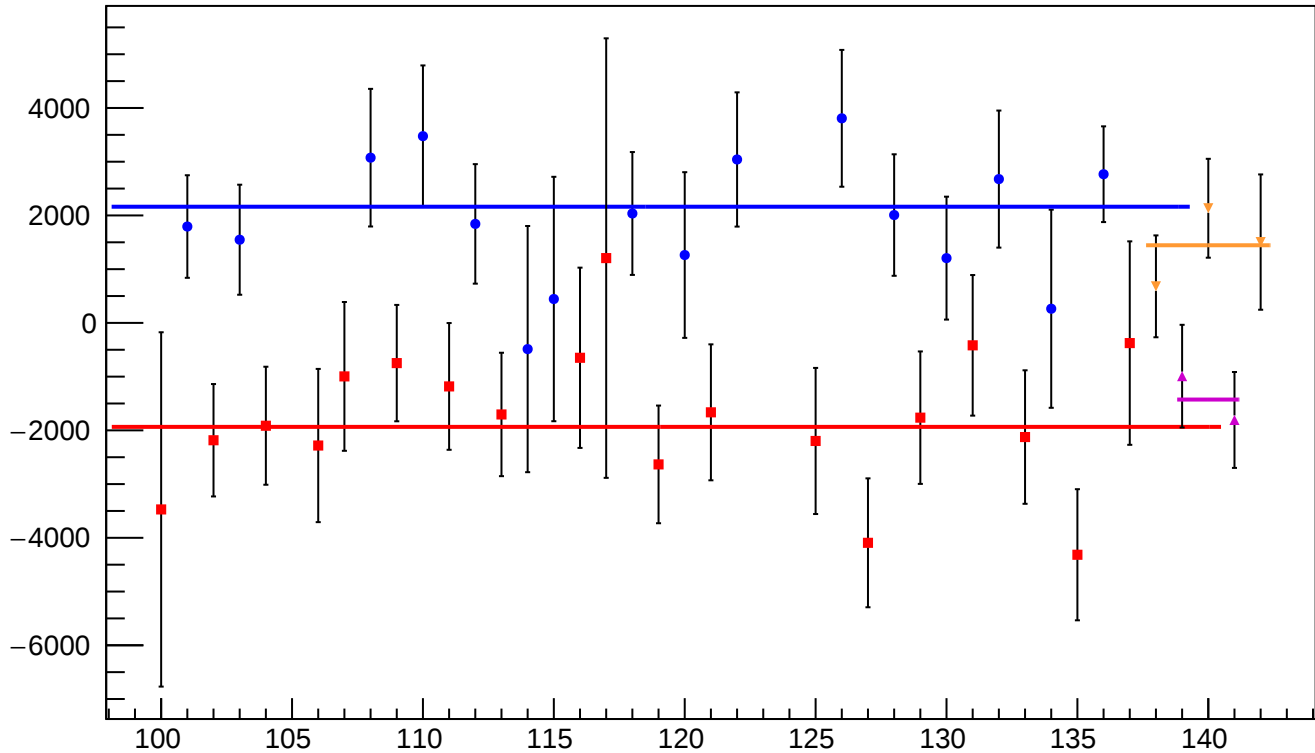


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

2007.079+/-272.036

χ^2/NDF : 11.3/18

Left Out: 1444.977+/-584.786

χ^2/NDF : 1.2/2

Right Out: -1935.183+/-299.773

χ^2/NDF : 13.2/18

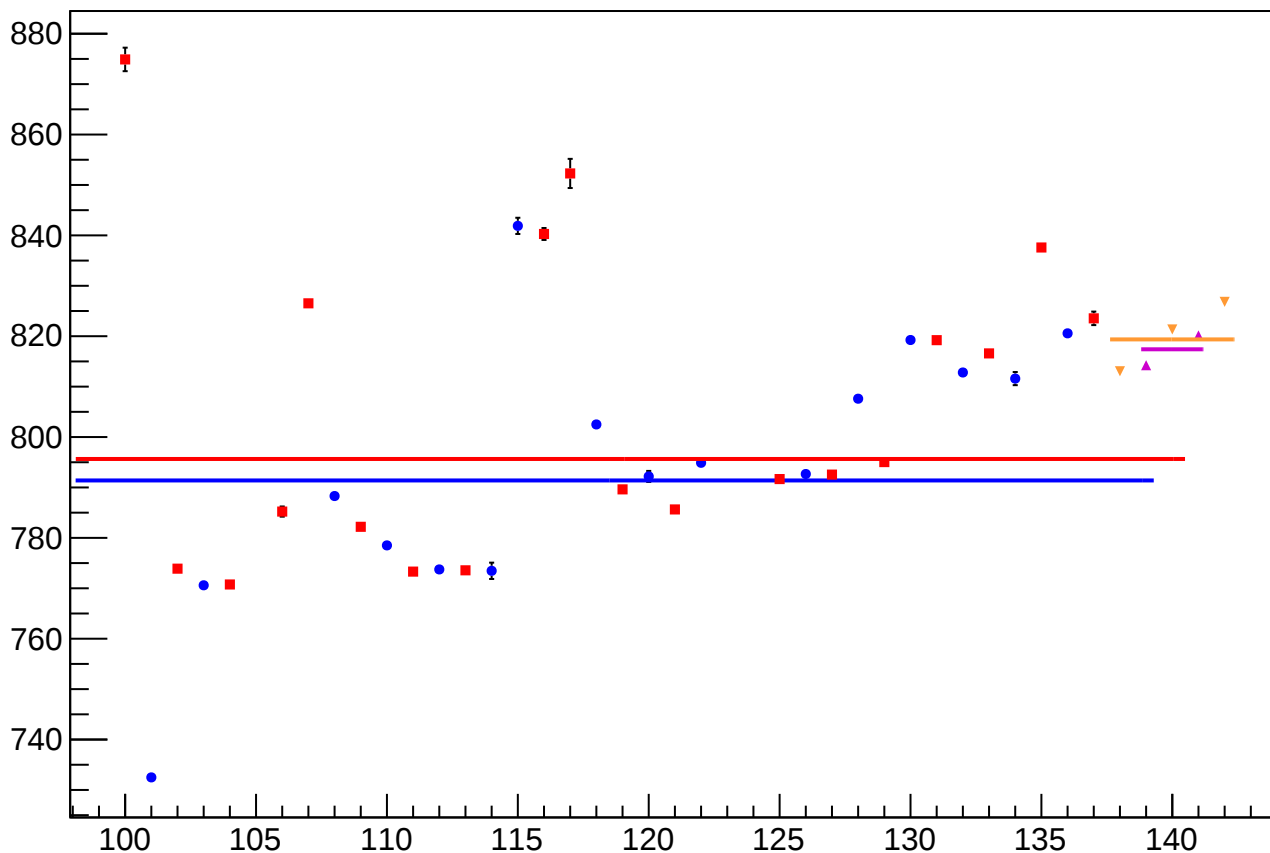
-1846.508+/-272.383

χ^2/NDF : 14.1/20

Left In: -1426.698+/-652.256

χ^2/NDF : 0.4/1

reg_asym_us_avg_rms vs Slug



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

Left Out: 819.366+/-0.414 χ^2/NDF : 168.1/2

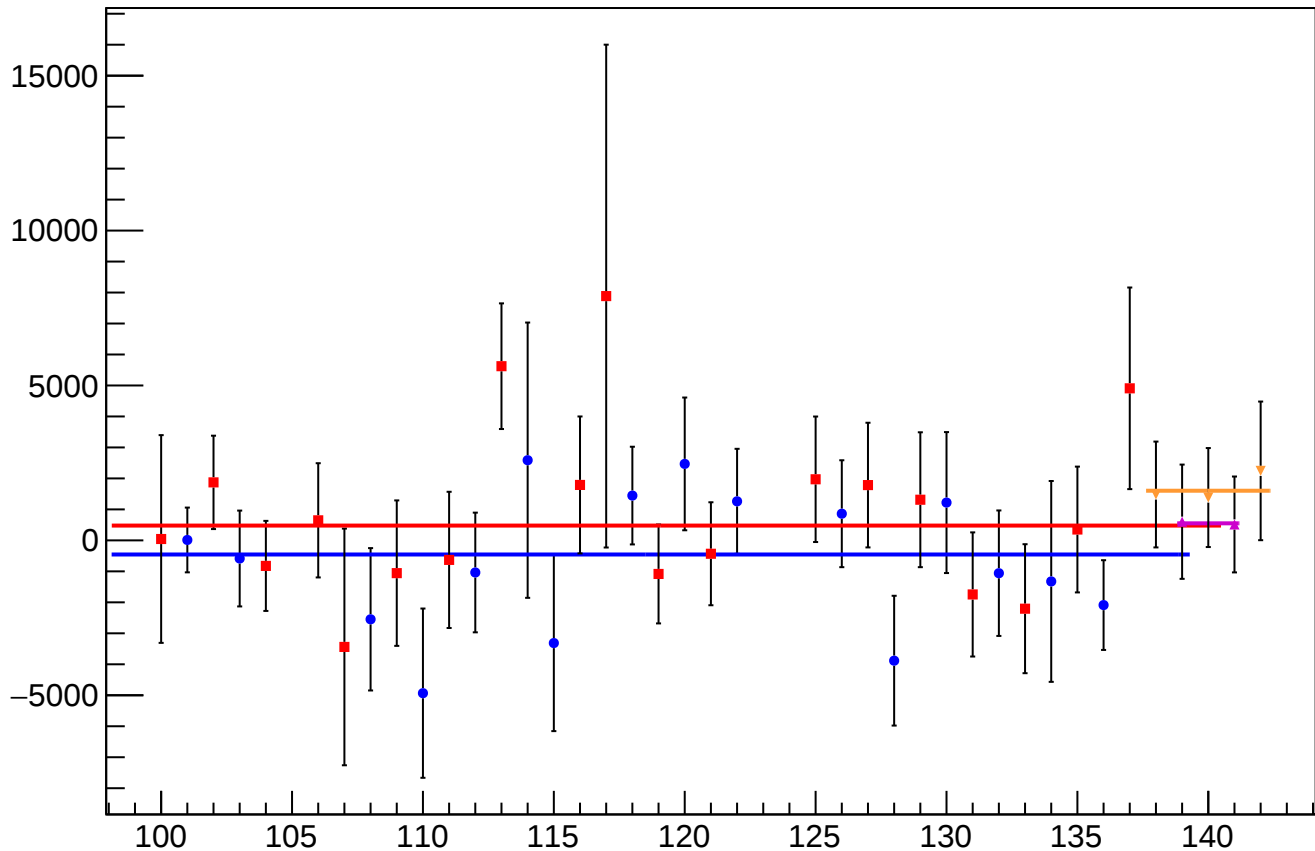
Right Out: 795.650+/-0.212 χ^2/NDF : 11945.4/18

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

797.444+/-0.192 χ^2/NDF : 18763.0/18

799.444+/-0.193 χ^2/NDF : 13822.9/20

asym_us_avg_correction_mean vs Slug



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

Left Out: 1602.597+/-1034.559 χ^2/NDF : 0.1/2

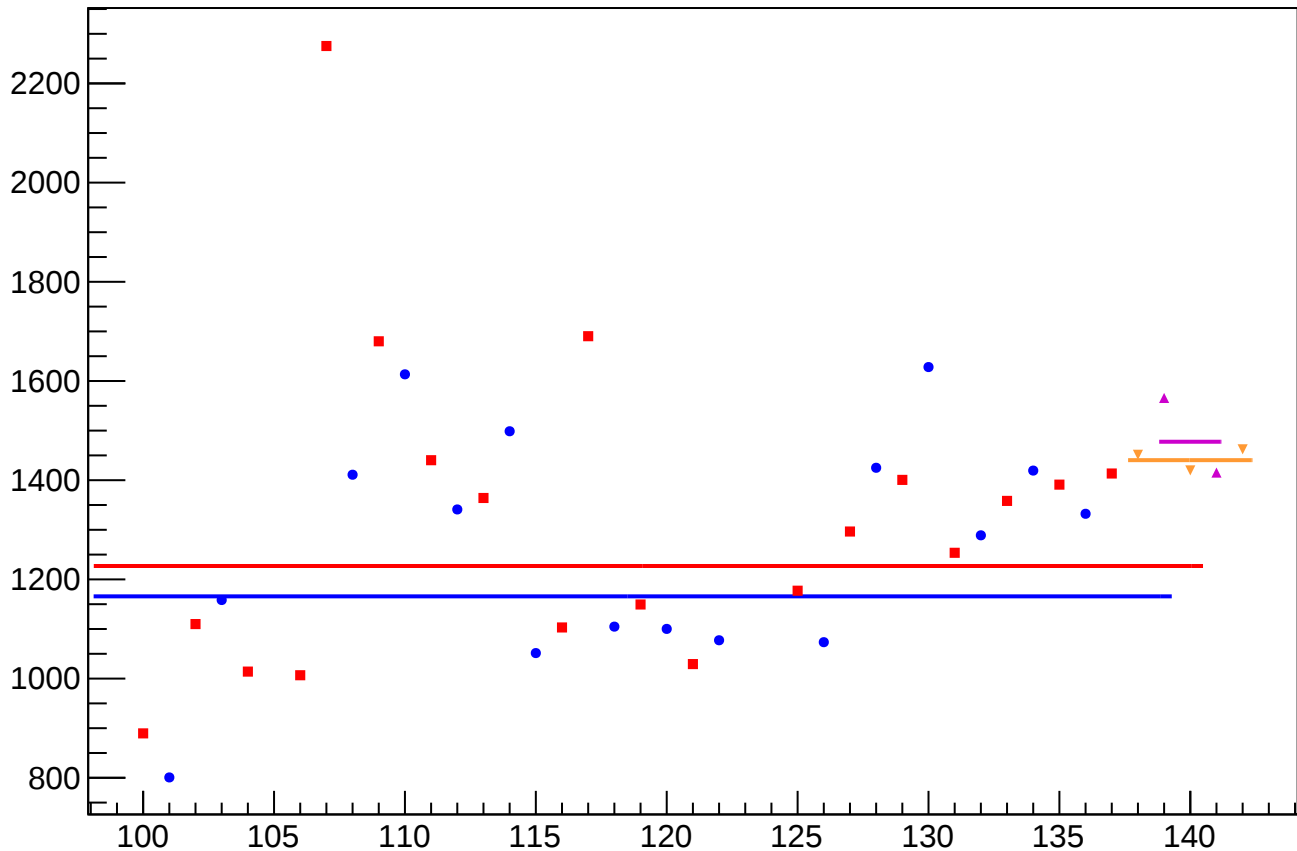
Right Out: 477.782+/-471.960 χ^2/NDF : 18.2/18

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

-110.697+/-423.545 χ^2/NDF : 18.3/18

487.699+/-438.487 χ^2/NDF : 18.2/20

asym_us_avg_correction_rms vs Slug



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

Left Out: 1440.416 $\pm$ 0.732 χ^2 /NDF: 605.5/2

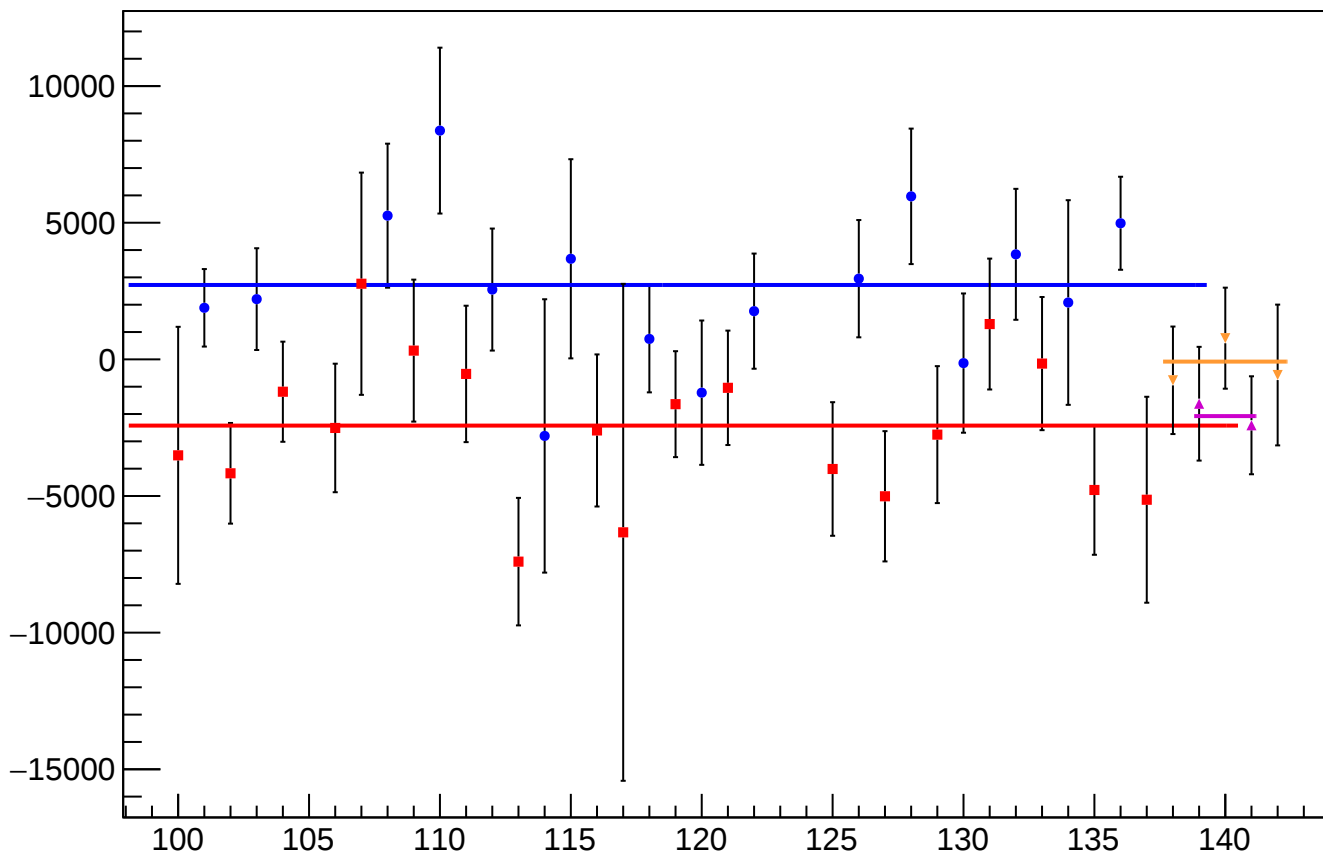
Right Out: 1227.021 $\pm$ 0.334 χ^2 /NDF: 446961.2/18

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

1211.837 $\pm$ 0.299 χ^2 /NDF: 644697.5/18

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

asym_us_avg_mean vs Slug



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

Left Out: -81.974+/-1193.718 χ^2/NDF : 0.4/2

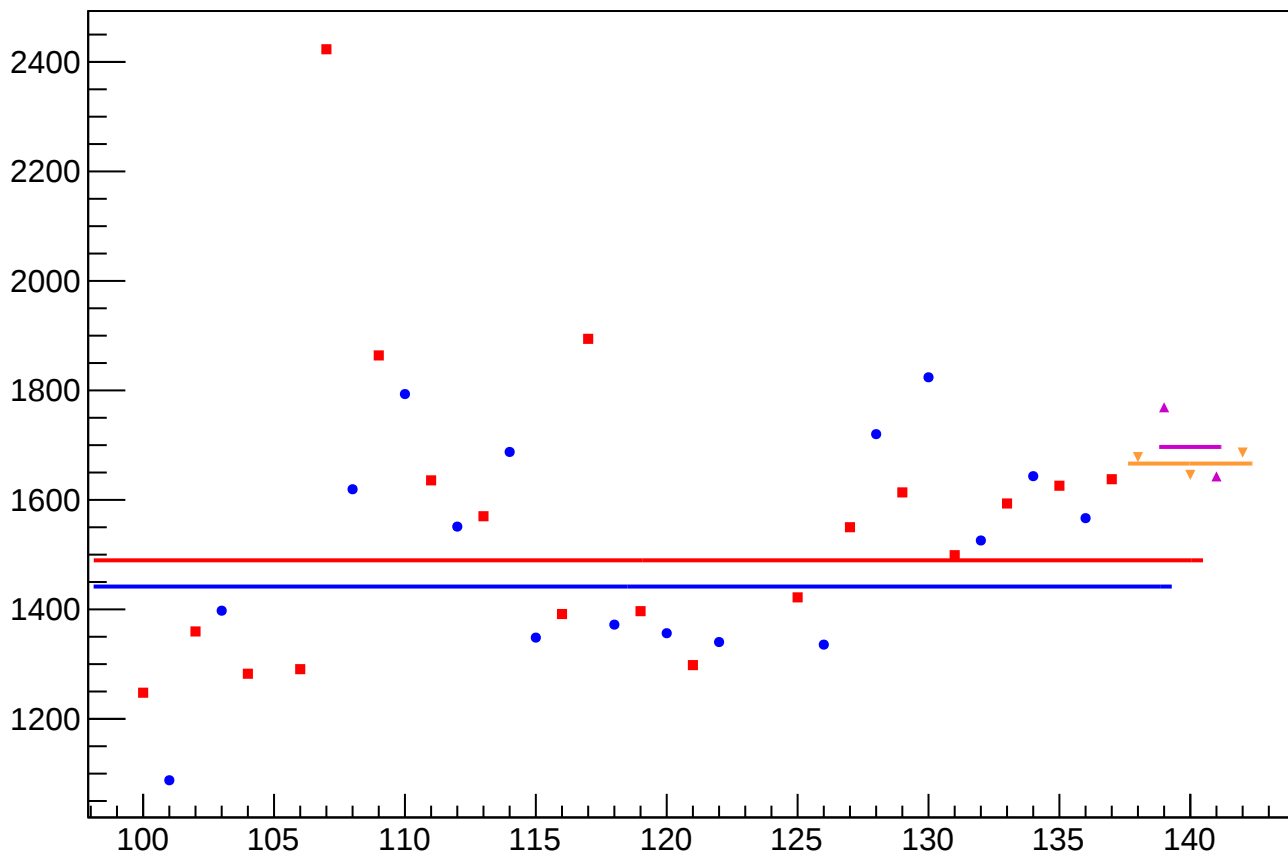
Right Out: -2423.739+/-567.866 χ^2/NDF : 16.5/18

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

2205.865+/-512.274 χ^2/NDF : 19.4/18

-2372.022+/-523.923 χ^2/NDF : 16.6/20

asym_us_avg_rms vs Slug



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

Left Out: 1666.396+/-0.844 χ^2 /NDF:445.7/2

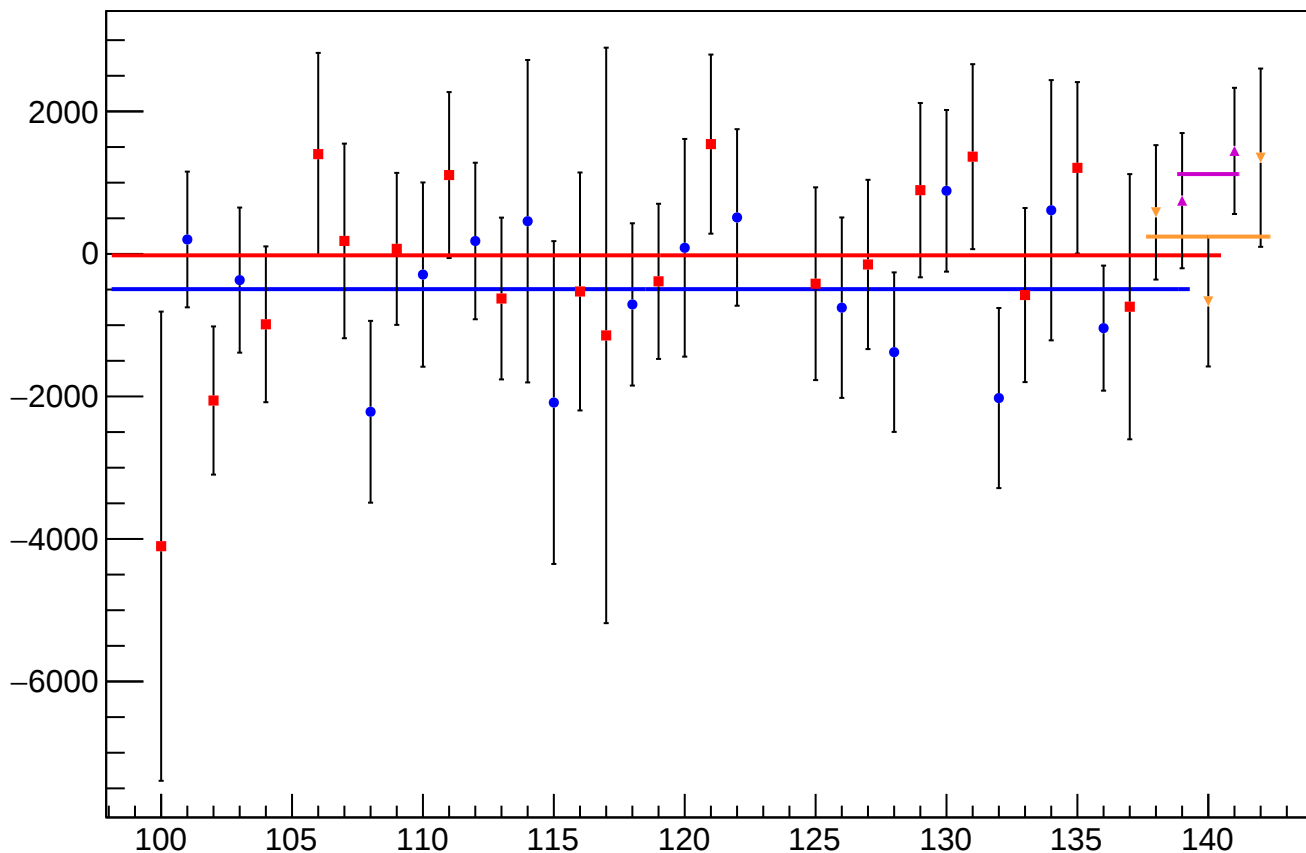
Right Out: 1489.610+/-0.402 χ^2 /NDF: 260116.0/18

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

1483.097+/-0.362 χ^2 /NDF: 334150.4/18

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

reg_asym_us_dd_mean vs Slug



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

Left Out: 242.873+/-580.989 χ^2/NDF : 1.9/2

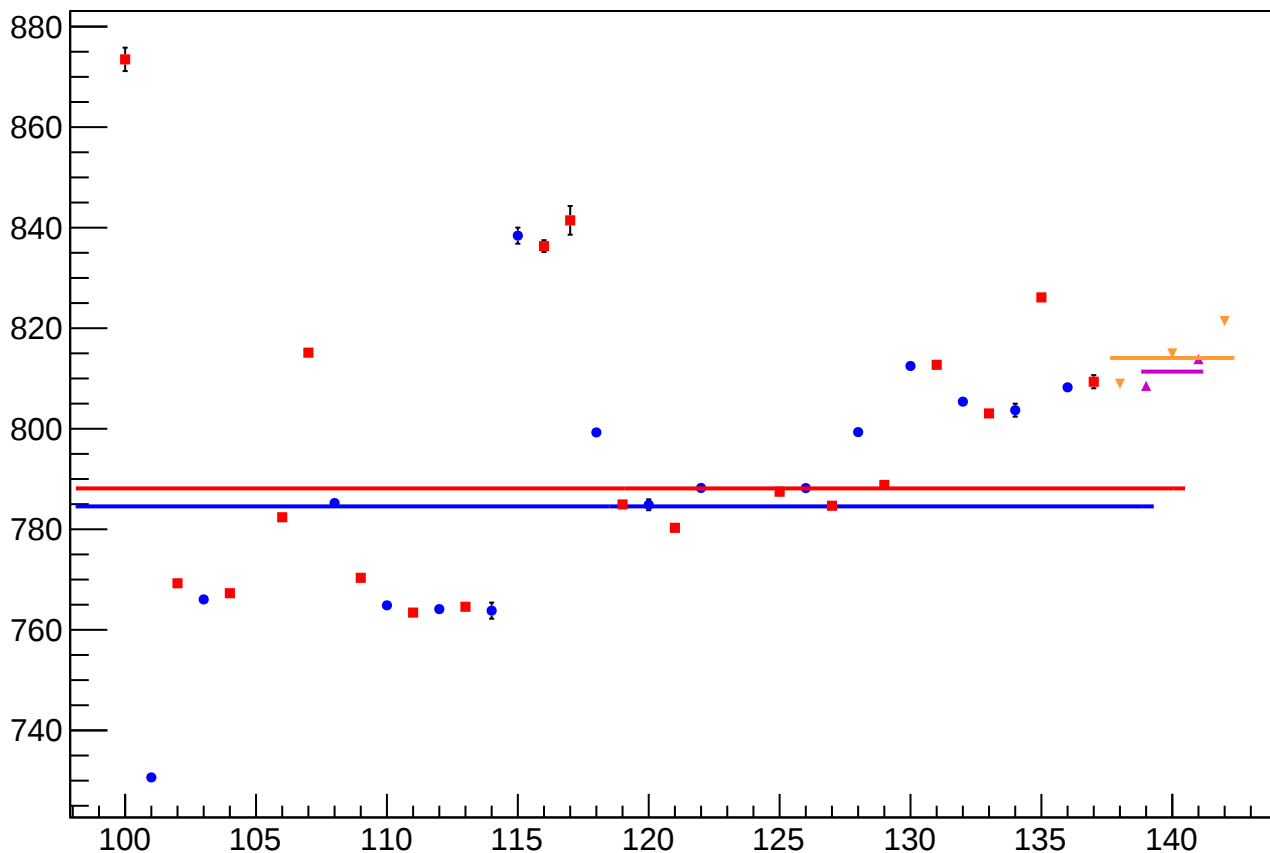
Right Out: -19.622+/-296.930 χ^2/NDF : 13.4/18

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

-335.266+/-269.803 χ^2/NDF : 11.8/18

178.553+/-269.896 χ^2/NDF : 16.3/20

reg_asym_us_dd_rms vs Slug



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

Left Out: 814.086 ± 0.411 χ^2/NDF : 129.7/2

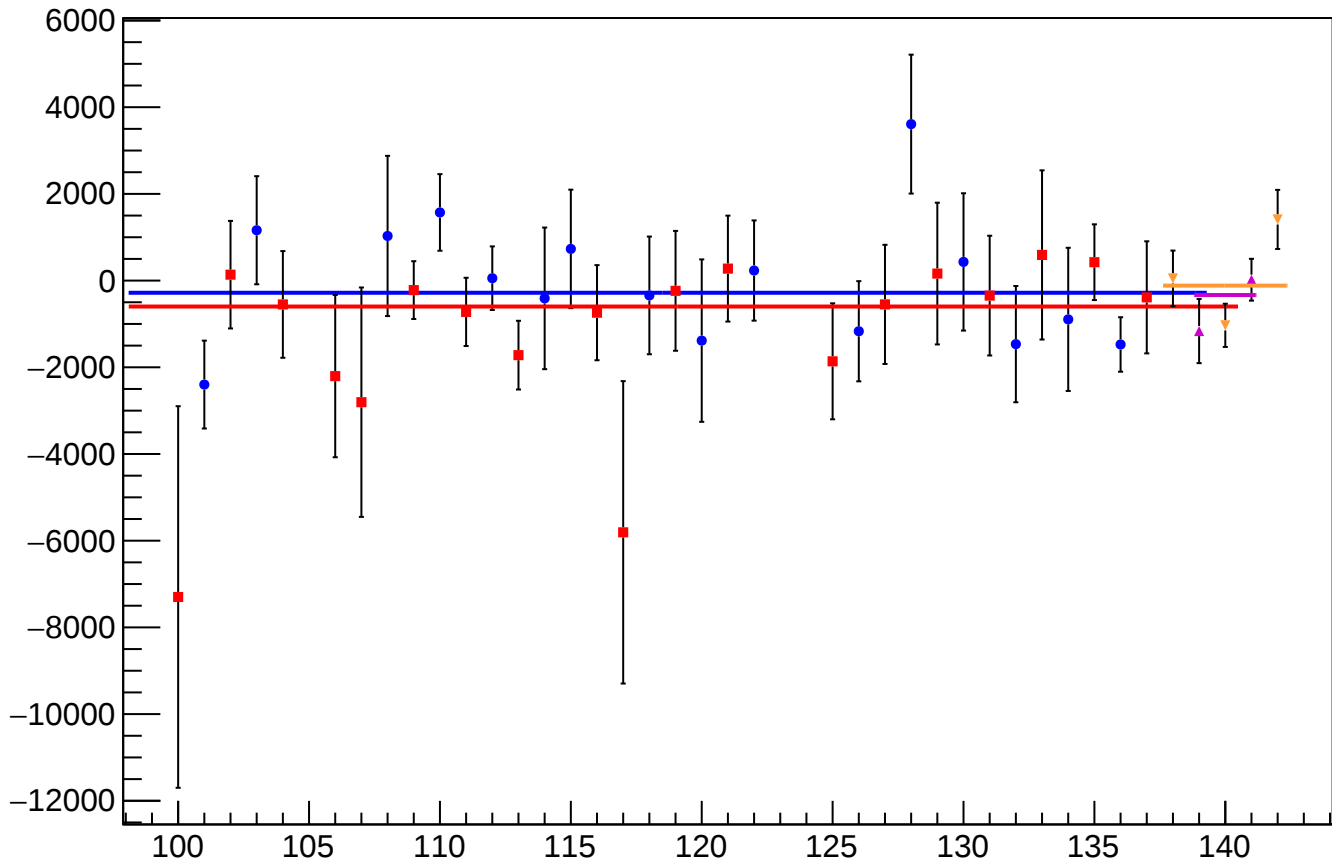
Right Out: 788.134 ± 0.210 χ^2/NDF : 11259.7/18

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

790.926 ± 0.191 χ^2/NDF : 17859.4/18

792.172 ± 0.191 χ^2/NDF : 13421.7/20

asym_us_dd_correction_mean vs Slug



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

Left Out: -115.733+/-340.974 χ^2/NDF : 8.5/2

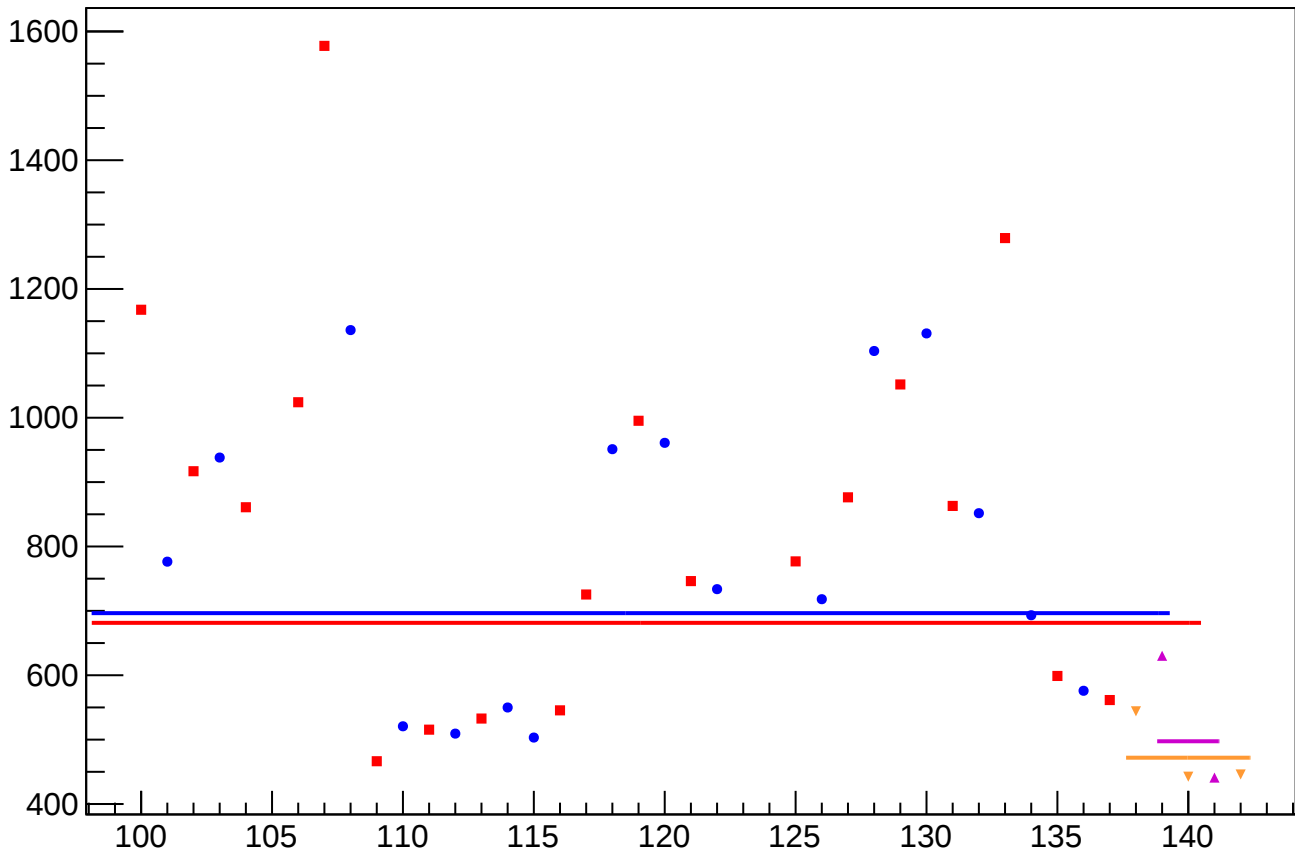
Right Out: -598.108+/-272.052 χ^2/NDF : 12.2/18

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

-213.513+/-217.538 χ^2/NDF : 31.7/18

-515.394+/-225.673 χ^2/NDF : 14.3/20

asym_us_dd_correction_rms vs Slug



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

Left Out: 471.918+/-0.241 χ^2/NDF : 35086.3/2

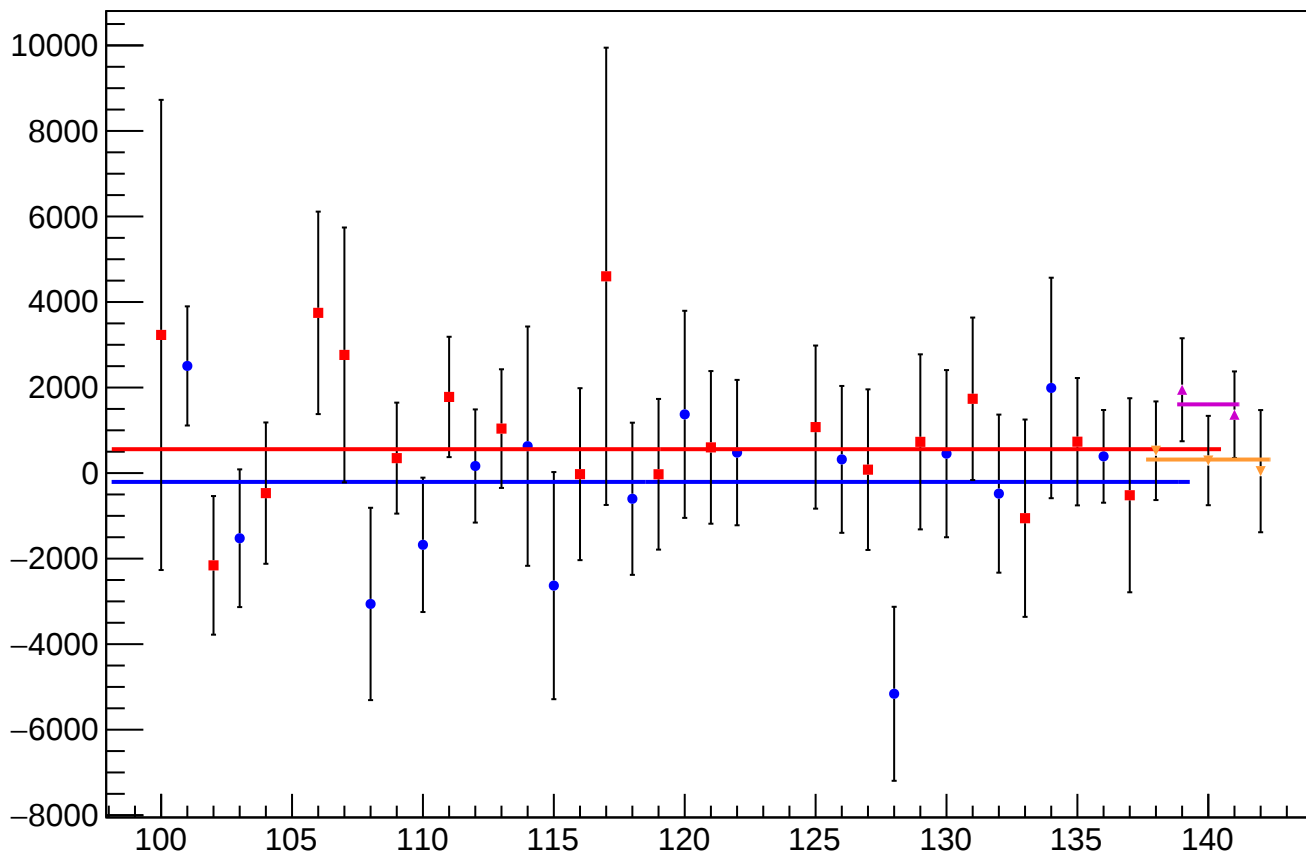
Right Out: 681.396+/-0.192 χ^2/NDF : 1352876.1/18

Left In: 497.439+/-0.286 χ^2/NDF : 91734.5/1

605.065+/-0.154 χ^2/NDF : 1508880.0/18

624.021+/-0.160 χ^2/NDF : 1729820.3/20

asym_us_dd_mean vs Slug



Right In: -206.385 $\pm$ 433.774 χ^2/NDF : 15.8/15

Left Out: 316.821 $\pm$ 680.646 χ^2/NDF : 0.1/2

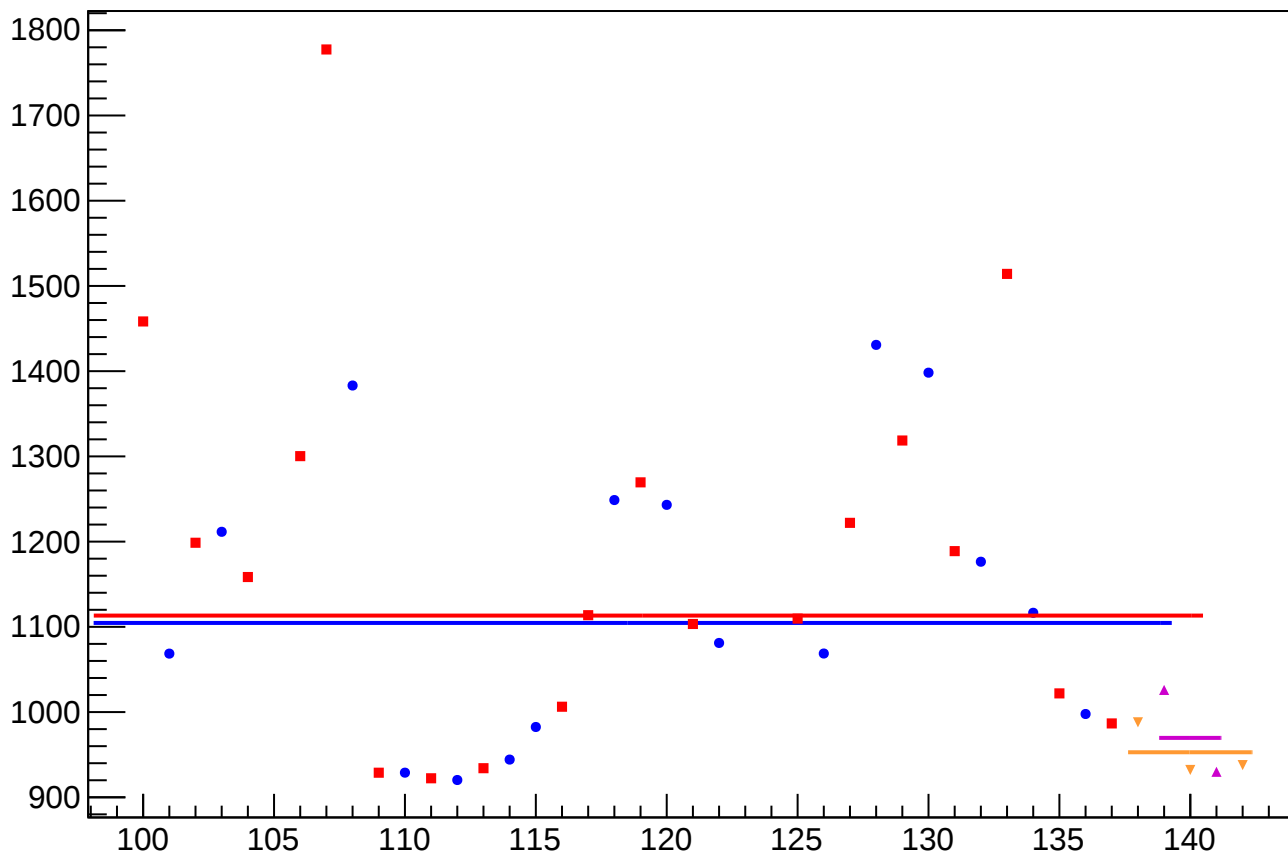
Right Out: 558.638 $\pm$ 425.771 χ^2/NDF : 8.7/18

Left In: 1606.756 $\pm$ 774.797 χ^2/NDF : 0.1/1

-55.263 $\pm$ 365.804 χ^2/NDF : 16.3/18

801.737 $\pm$ 373.142 χ^2/NDF : 10.3/20

asym_us_dd_rms vs Slug



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

Left Out: 952.851 ± 0.481 χ^2/NDF : 2868.7/2

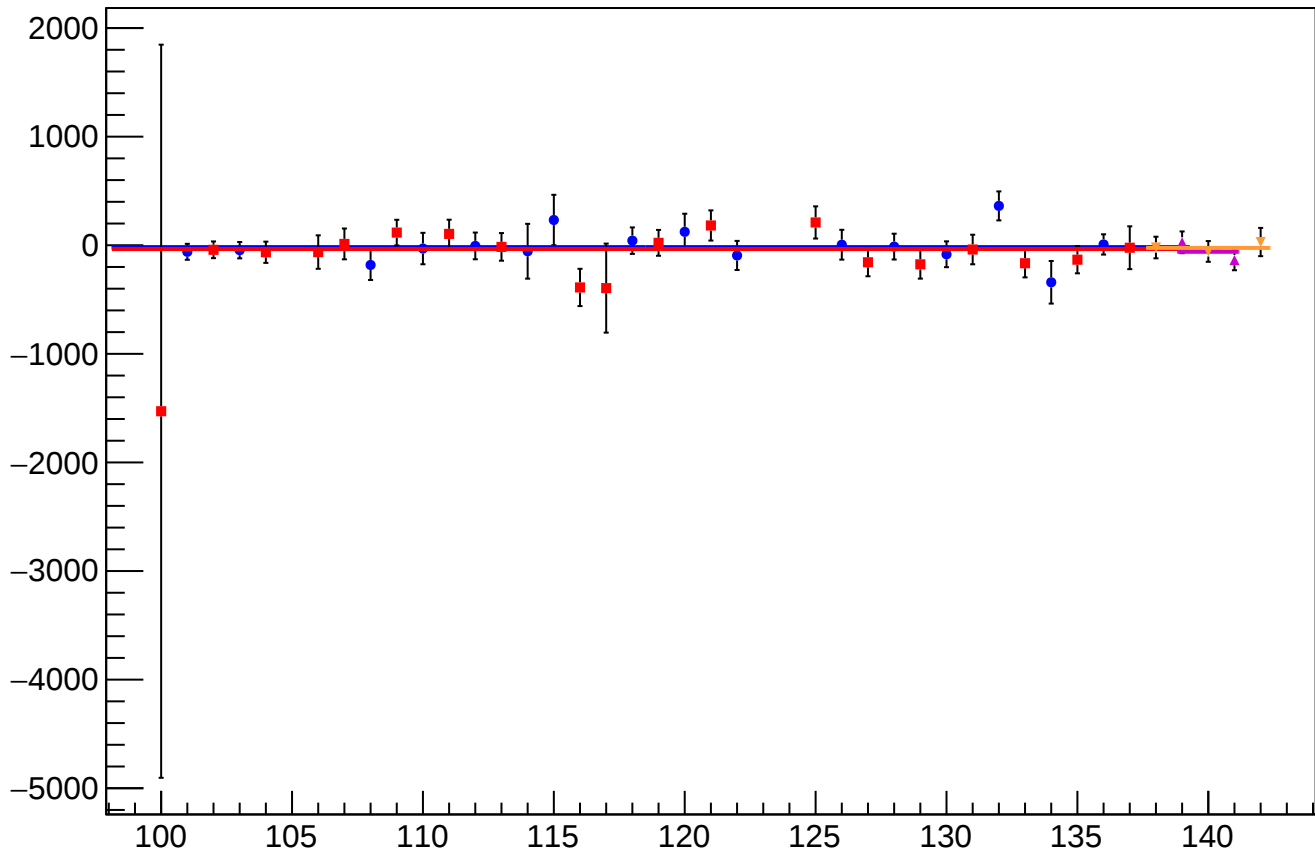
Right Out: 1113.218 ± 0.301 χ^2/NDF : 362982.2/18

Left In: 969.711 ± 0.548 χ^2/NDF : 7458.0/1

1060.767 ± 0.259 χ^2/NDF : 329051.6/18

1079.933 ± 0.264 χ^2/NDF : 423138.2/20

reg_asym_ds_avg_mean vs Slug



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

Left Out: -24.452 ± 60.900 χ^2/NDF : 0.3/2

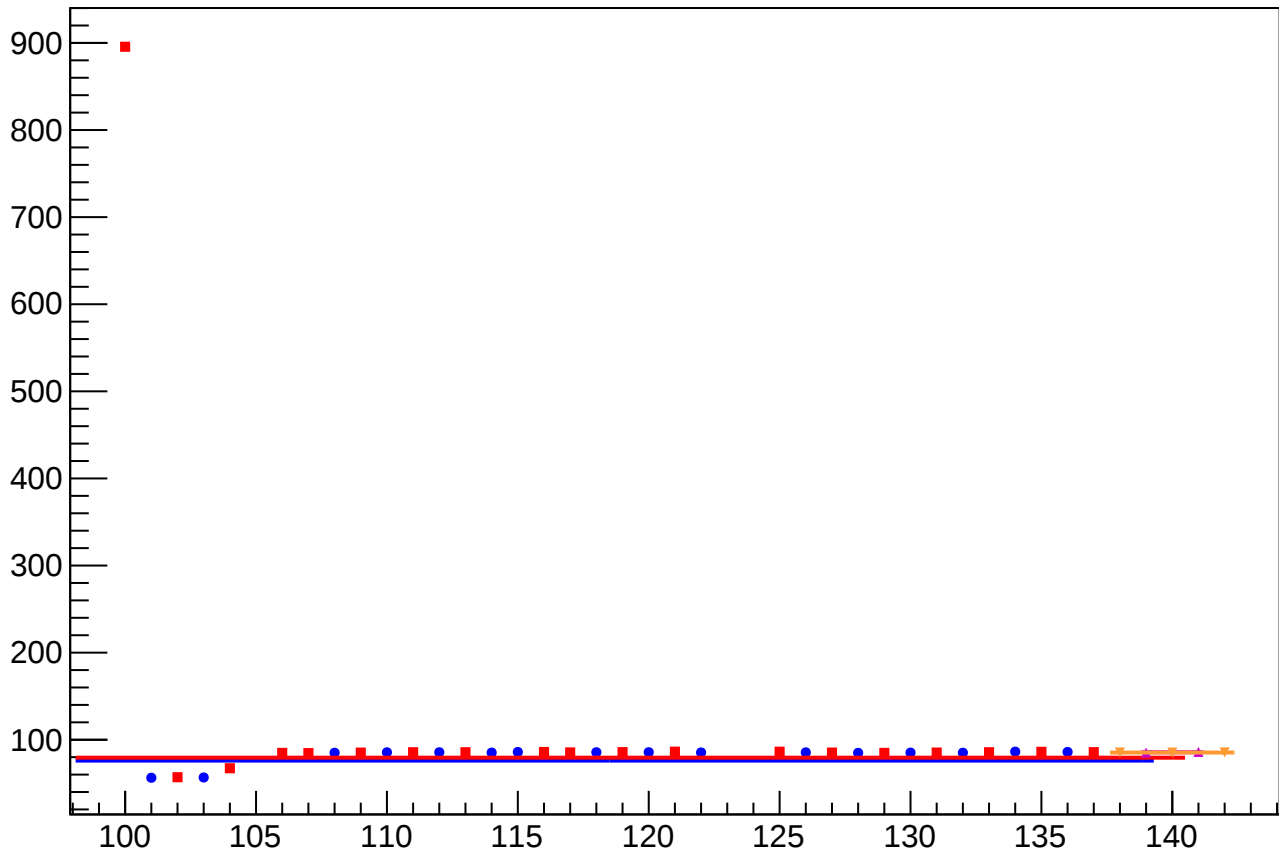
Right Out: -34.875 ± 30.363 χ^2/NDF : 17.3/18

Left In: -60.096 ± 68.369 χ^2/NDF : 1.4/1

-18.644 ± 26.903 χ^2/NDF : 15.9/18

-39.030 ± 27.749 χ^2/NDF : 18.9/20

reg_asym_ds_avg_rms vs Slug



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

Left Out: 85.333+/-0.043 χ^2/NDF : 3.0/2

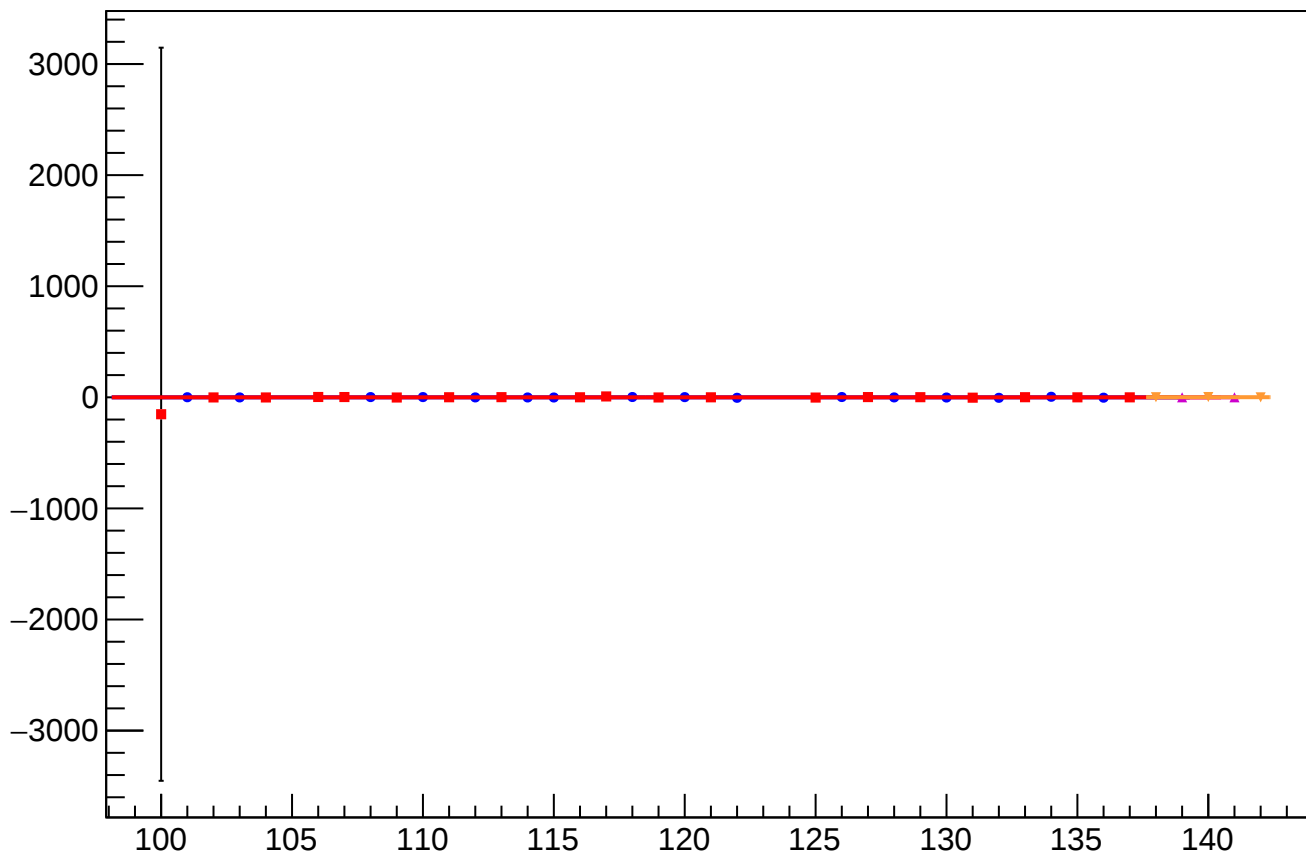
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

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

77.885+/-0.019 χ^2/NDF : 446340.5/18

80.454+/-0.020 χ^2/NDF : 393032.9/20

asym_ds_avg_correction_mean vs Slug



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

Left Out: 1.146 ± 1.123 χ^2/NDF : 1.1/2

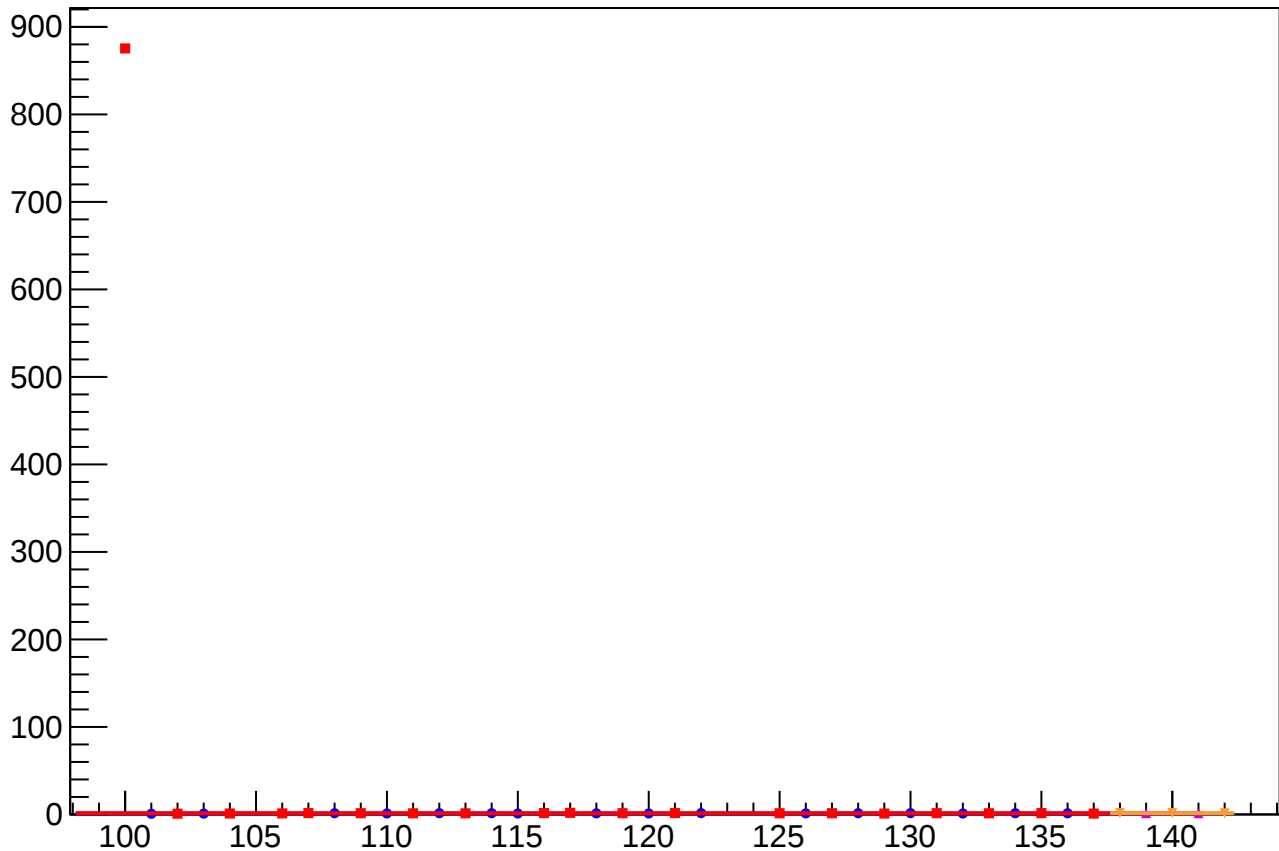
Right Out: -0.051 ± 0.520 χ^2/NDF : 9.8/18

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

-0.044 ± 0.458 χ^2/NDF : 23.6/18

-0.014 ± 0.481 χ^2/NDF : 9.8/20

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.475 $\pm$ 0.001 χ^2 /NDF: 9137.2/2

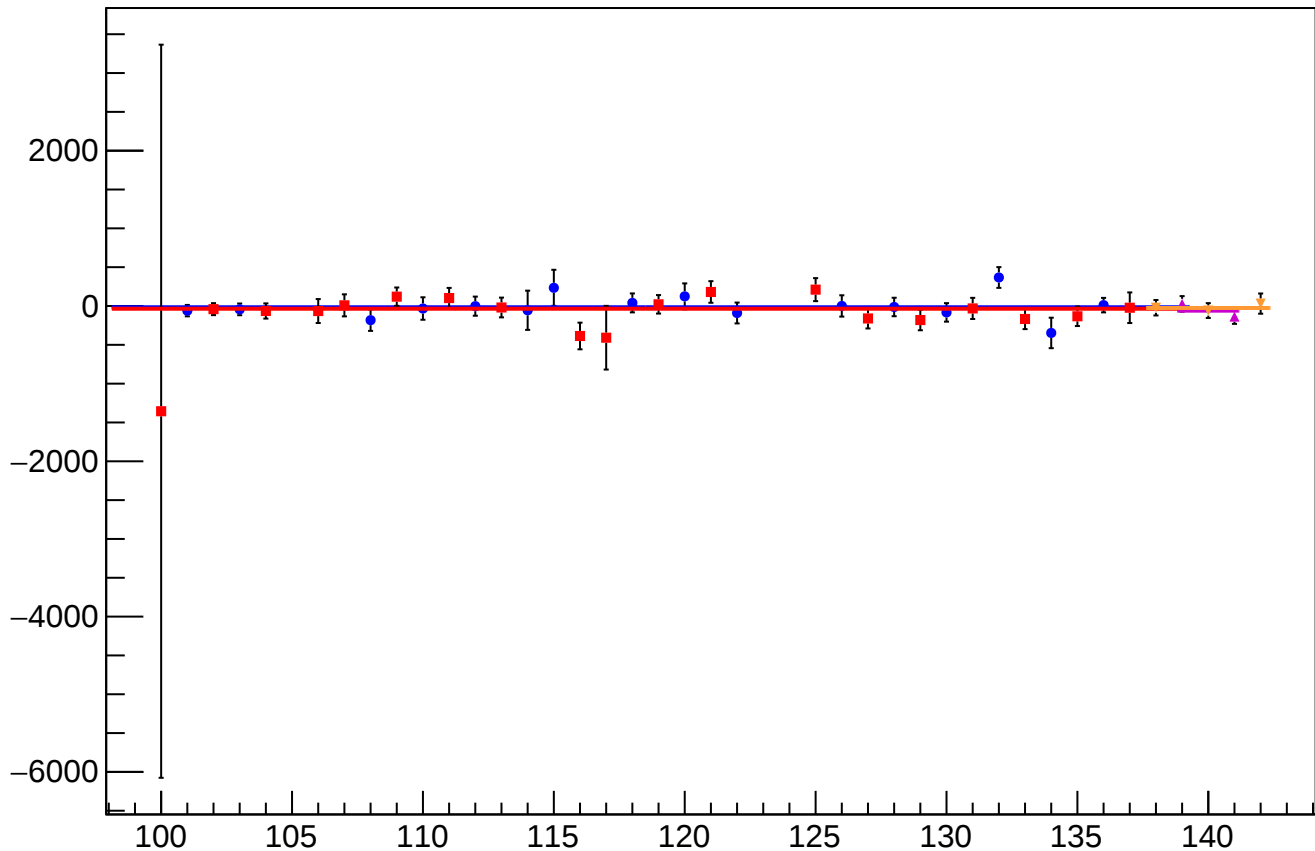
Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

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

1.206 $\pm$ 0.000 χ^2 /NDF: 660779.4/18

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

asym_ds_avg_mean vs Slug



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

Left Out: -25.409+/-60.916 χ^2 /NDF:0.3/2

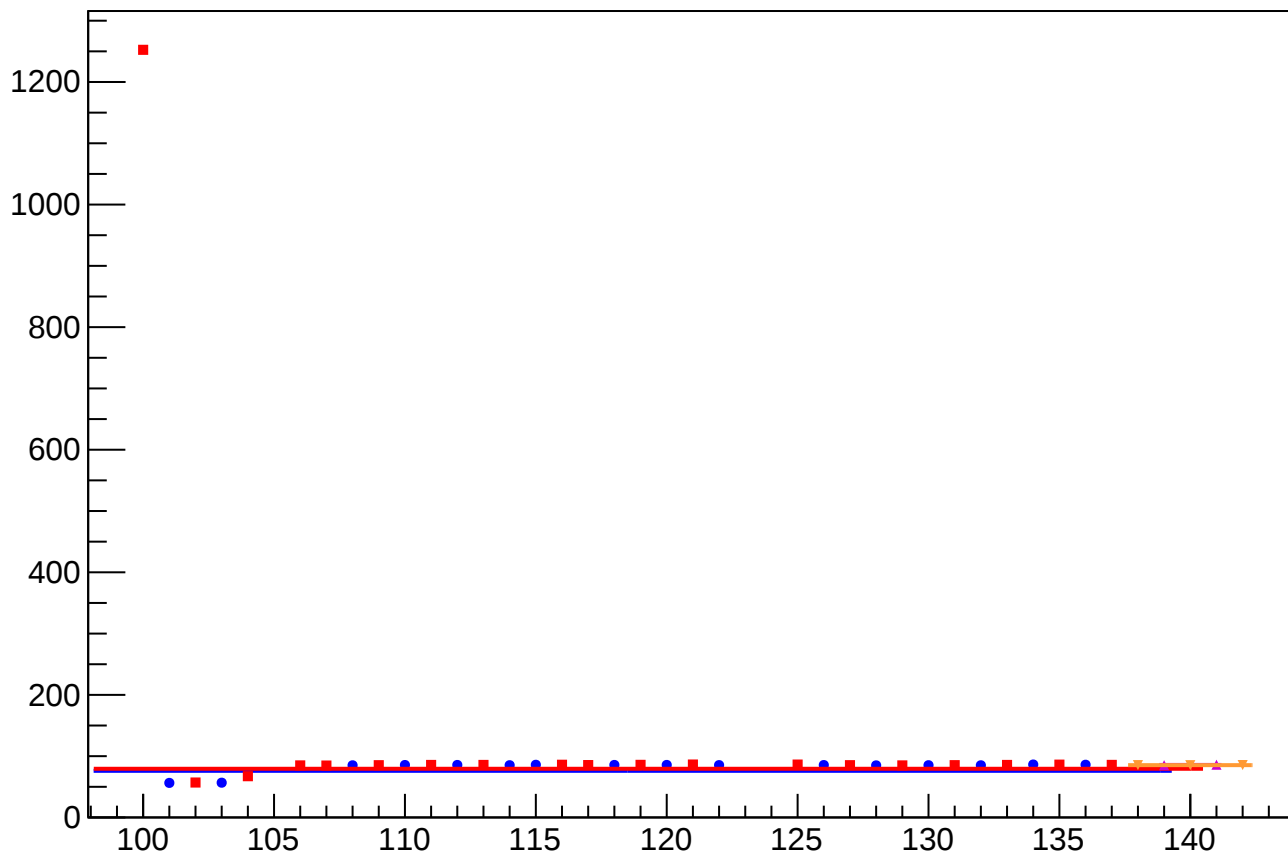
Right Out: -35.172+/-30.371 χ^2 /NDF: 17.4/18

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

-18.087+/-26.910 χ^2 /NDF: 16.2/18

-39.264+/-27.757 χ^2 /NDF: 18.9/20

asym_ds_avg_rms vs Slug



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

Left Out: 85.356+/-0.043 χ^2 /NDF:3.0/2

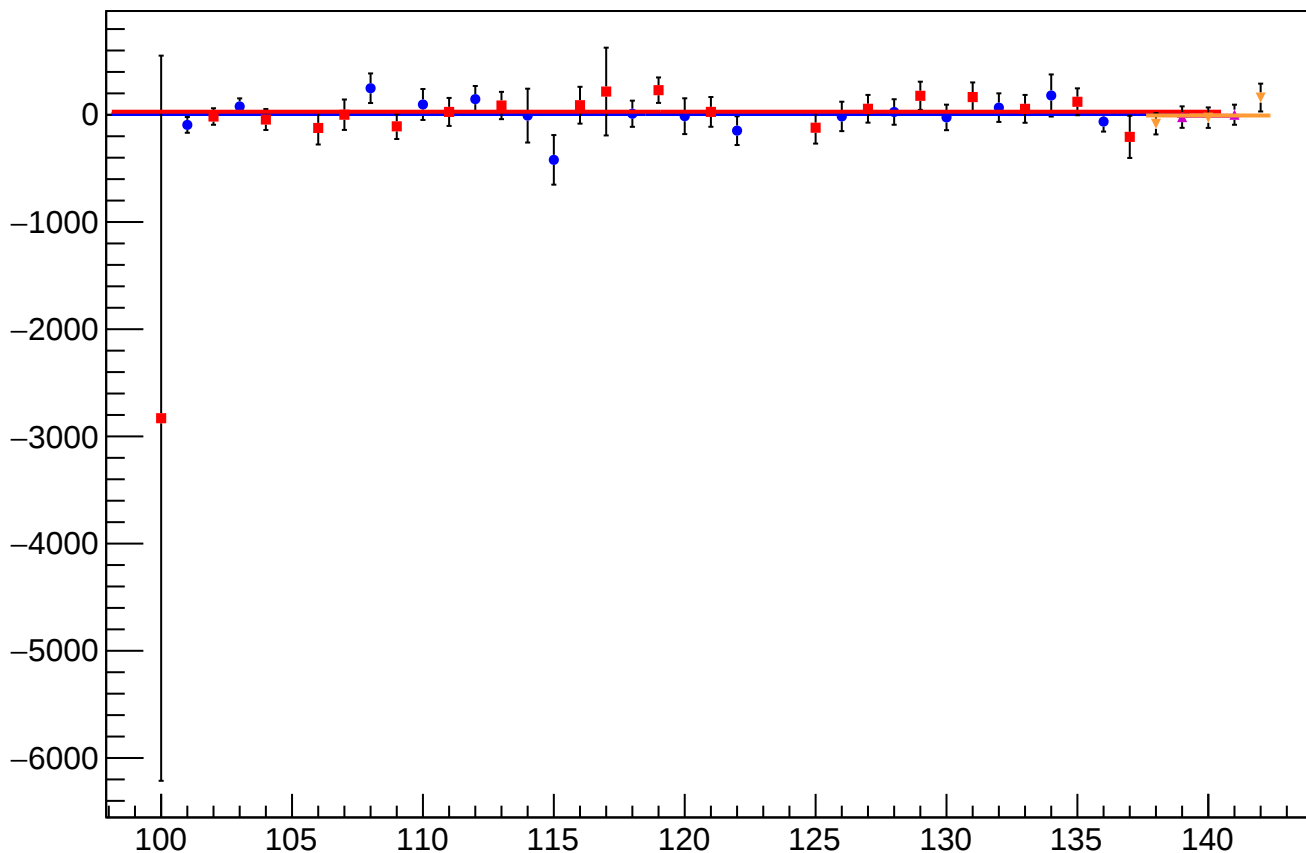
Right Out: 79.426+/-0.021 χ^2 /NDF: 385484.8/18

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

77.905+/-0.019 χ^2 /NDF: 446374.8/18

80.461+/-0.020 χ^2 /NDF: 399643.0/20

reg_asym_ds_dd_mean vs Slug



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

Left Out: -6.427+/-60.892 χ^2 /NDF: 2.3/2

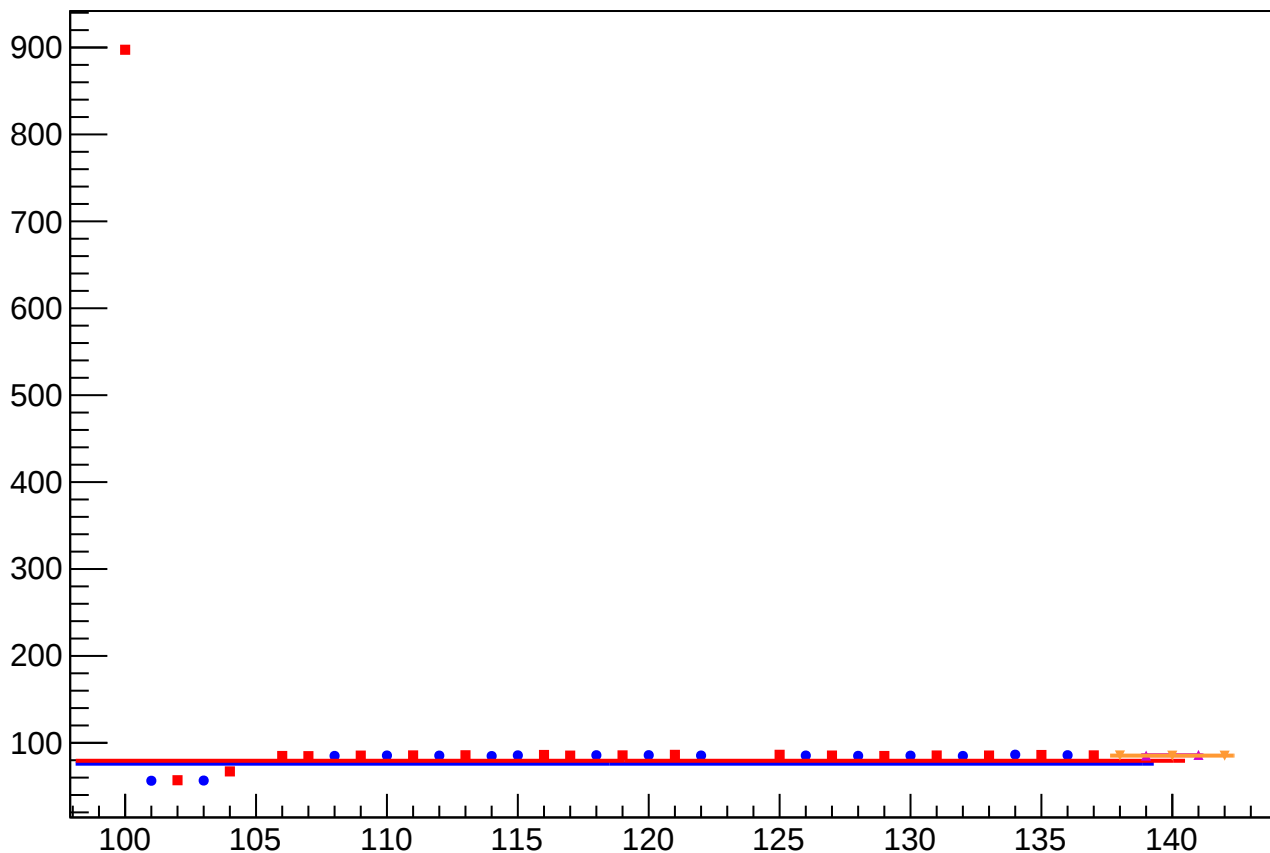
Right Out: 28.958+/-30.344 χ^2 /NDF: 12.7/18

Left In: -9.446+/-68.432 χ^2 /NDF: 0.0/1

4.752+/-26.889 χ^2 /NDF: 16.3/18

22.648+/-27.739 χ^2 /NDF: 13.0/20

reg_asym_ds_dd_rms vs Slug



Right In: 76.032+/-0.021 χ^2/NDF : 408917.7/15

Left Out: 85.322+/-0.043 χ^2/NDF : 6.8/2

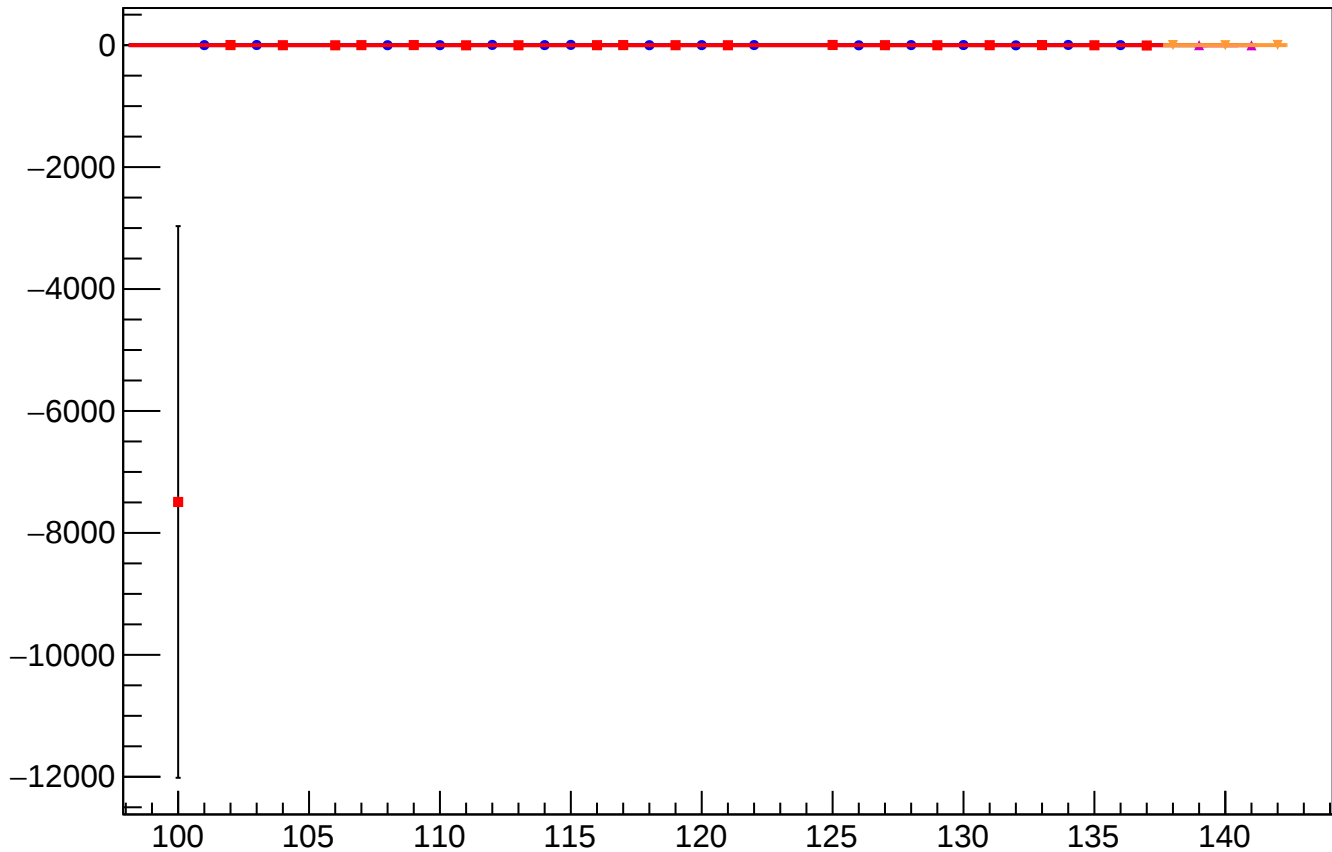
Right Out: 79.375+/-0.021 χ^2/NDF : 378794.5/18

Left In: 85.762+/-0.048 χ^2/NDF : 69.5/1

77.843+/-0.019 χ^2/NDF : 446400.3/18

80.424+/-0.020 χ^2/NDF : 393426.4/20

asym_ds_dd_correction_mean vs Slug



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

Left Out: 0.853+/-1.115 χ^2/NDF : 2.1/2

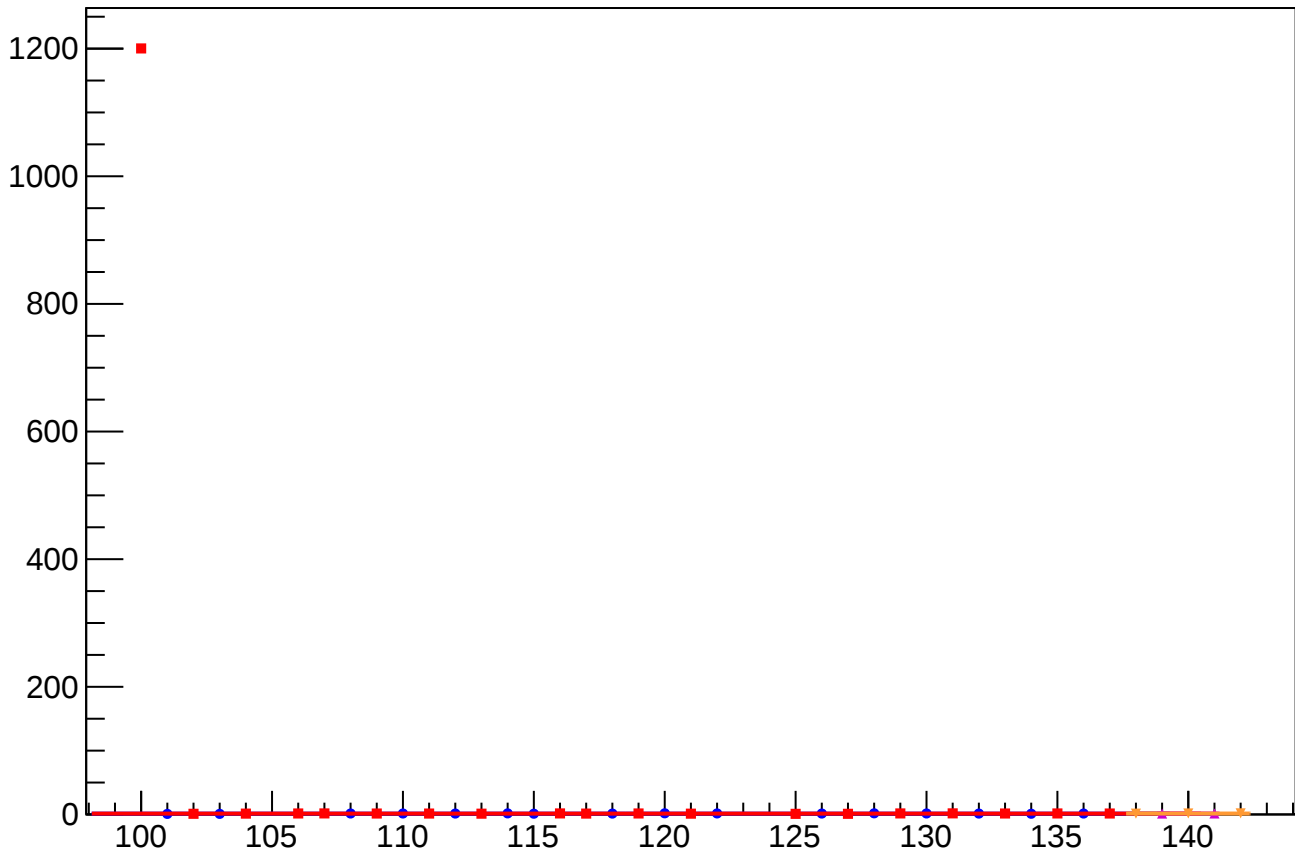
Right Out: -0.304+/-0.547 χ^2/NDF : 12.6/18

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

0.900+/-0.480 χ^2/NDF : 14.1/18

-0.436+/-0.501 χ^2/NDF : 13.9/20

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.442 $\pm$ 0.001 χ^2 /NDF: 54009.2/2

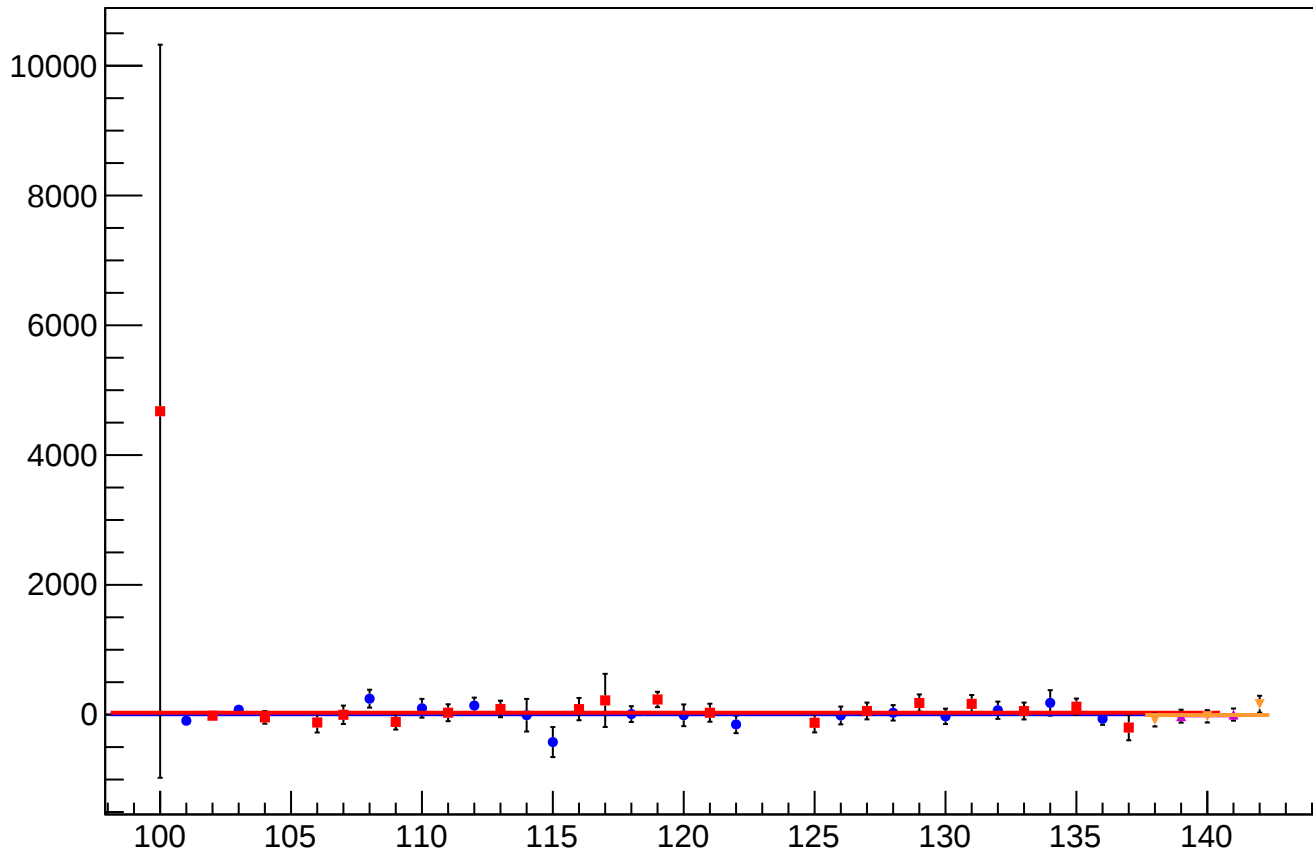
Right Out: 1.318 $\pm$ 0.000 χ^2 /NDF: 521623.7/18

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

1.276 $\pm$ 0.000 χ^2 /NDF: 766718.9/18

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

asym_ds_dd_mean vs Slug



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

Left Out: -6.029+/-60.909 χ^2/NDF : 2.3/2

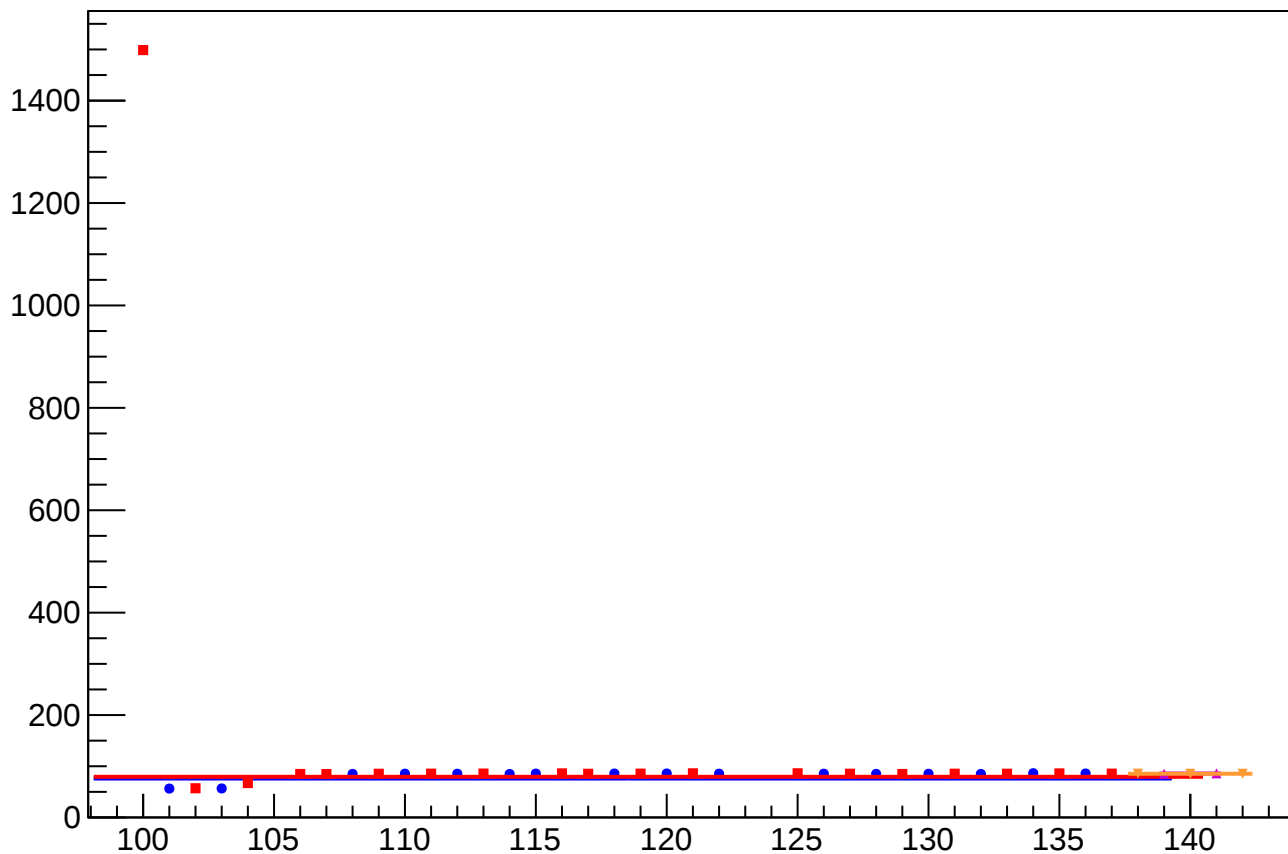
Right Out: 29.600+/-30.353 χ^2/NDF : 12.9/18

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

4.283+/-26.896 χ^2/NDF : 16.2/18

23.040+/-27.747 χ^2/NDF : 13.2/20

asym_ds_dd_rms vs Slug



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

Left Out: 85.346 $\pm$ 0.043 χ^2/NDF : 6.5/2

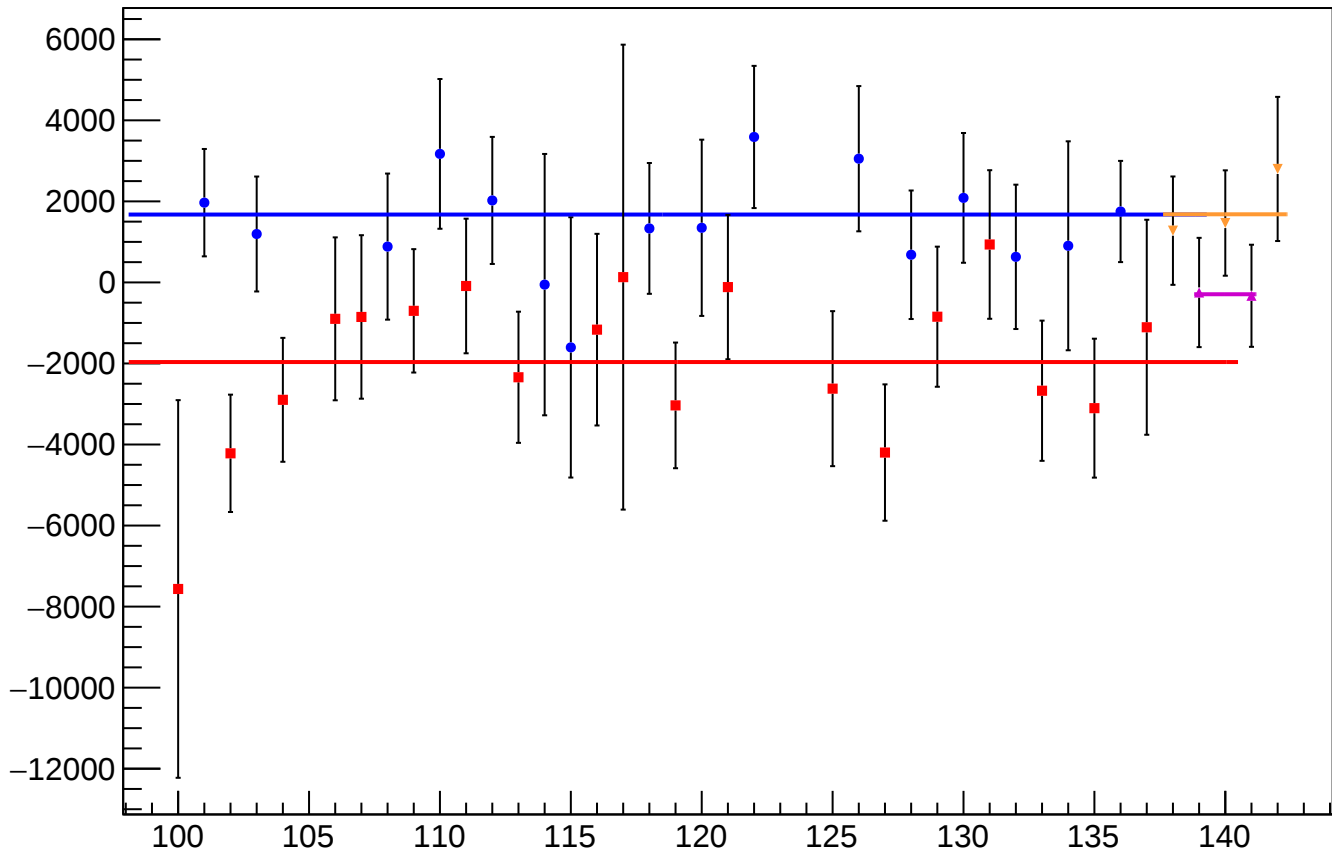
Right Out: 79.371 $\pm$ 0.021 χ^2/NDF : 388057.0/18

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

77.865 $\pm$ 0.019 χ^2/NDF : 446454.8/18

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

reg_asym_usl_mean vs Slug



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

Left Out: 1681.379 $\pm$ 825.637 χ^2 /NDF: 0.5/2

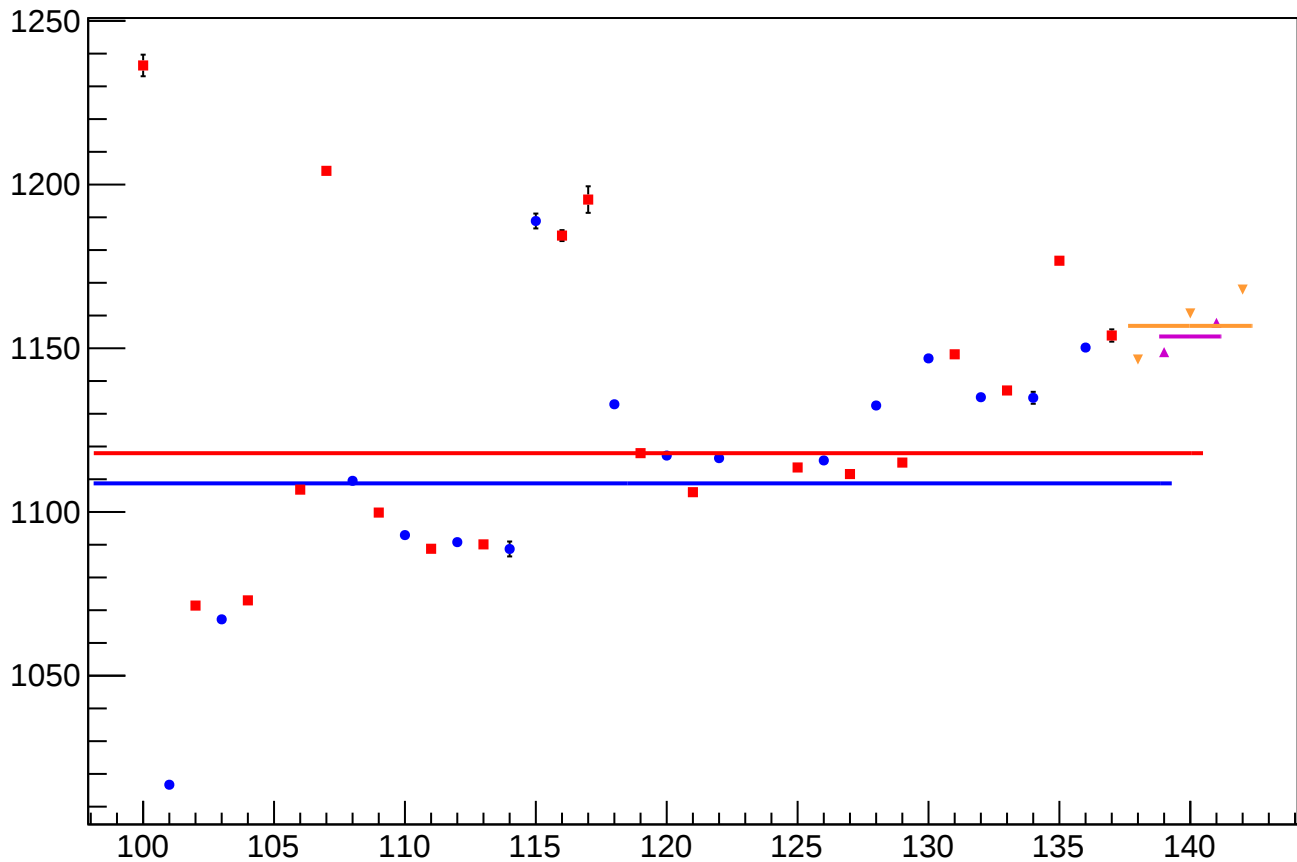
Right Out: -1964.936 $\pm$ 421.265 χ^2 /NDF: 14.2/18

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

1676.359 $\pm$ 381.793 χ^2 /NDF: 5.6/18

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

reg_asym_usl_rms vs Slug



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

Left Out: 1156.845 ± 0.584 χ^2/NDF : 212.9/2

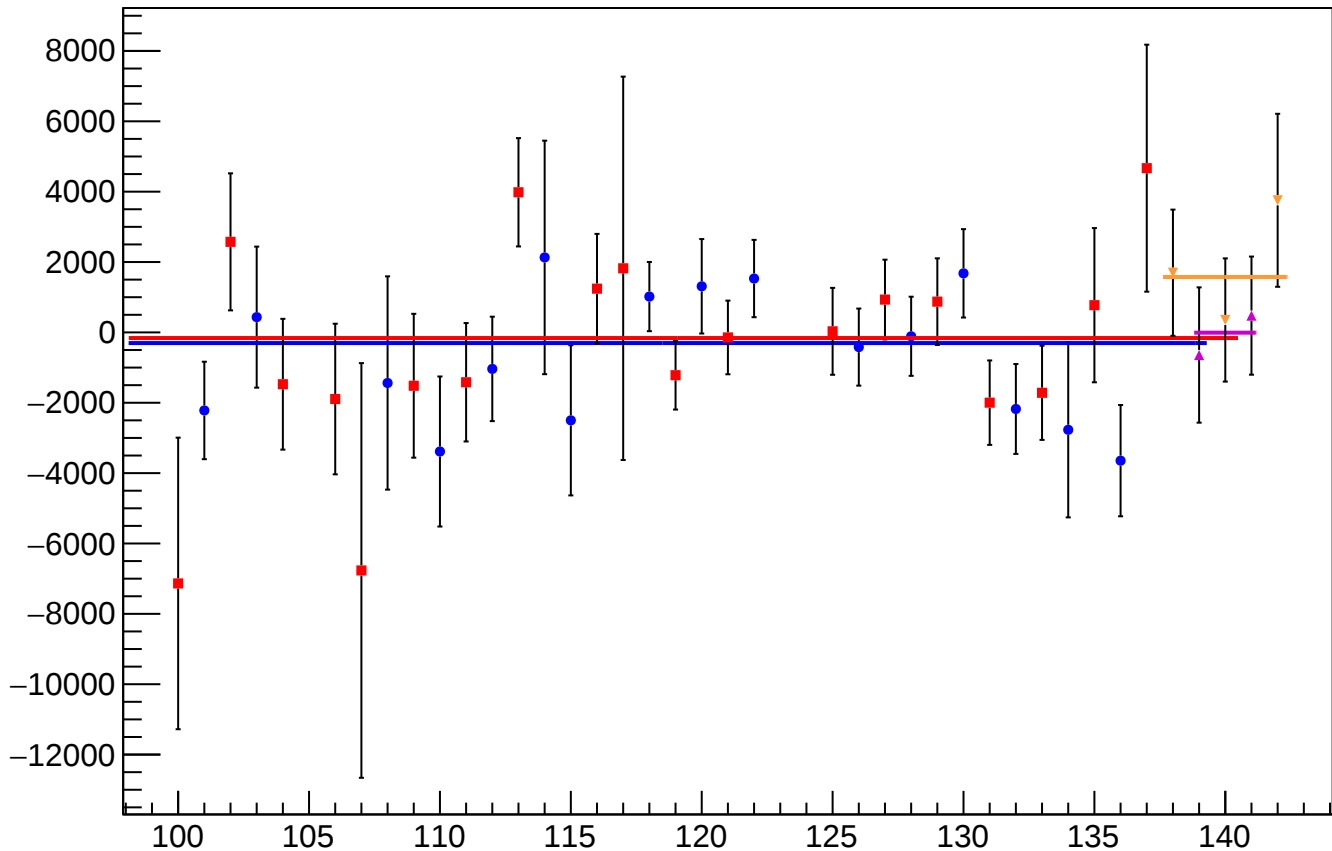
Right Out: 1117.959 ± 0.298 χ^2/NDF : 15881.8/18

Left In: 1153.605 ± 0.651 χ^2/NDF : 47.1/1

1119.026 ± 0.270 χ^2/NDF : 23631.4/18

1124.132 ± 0.271 χ^2/NDF : 18408.8/20

asym_usl_correction_mean vs Slug



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

Left Out: 1574.605+/-1116.370 χ^2/NDF : 1.3/2

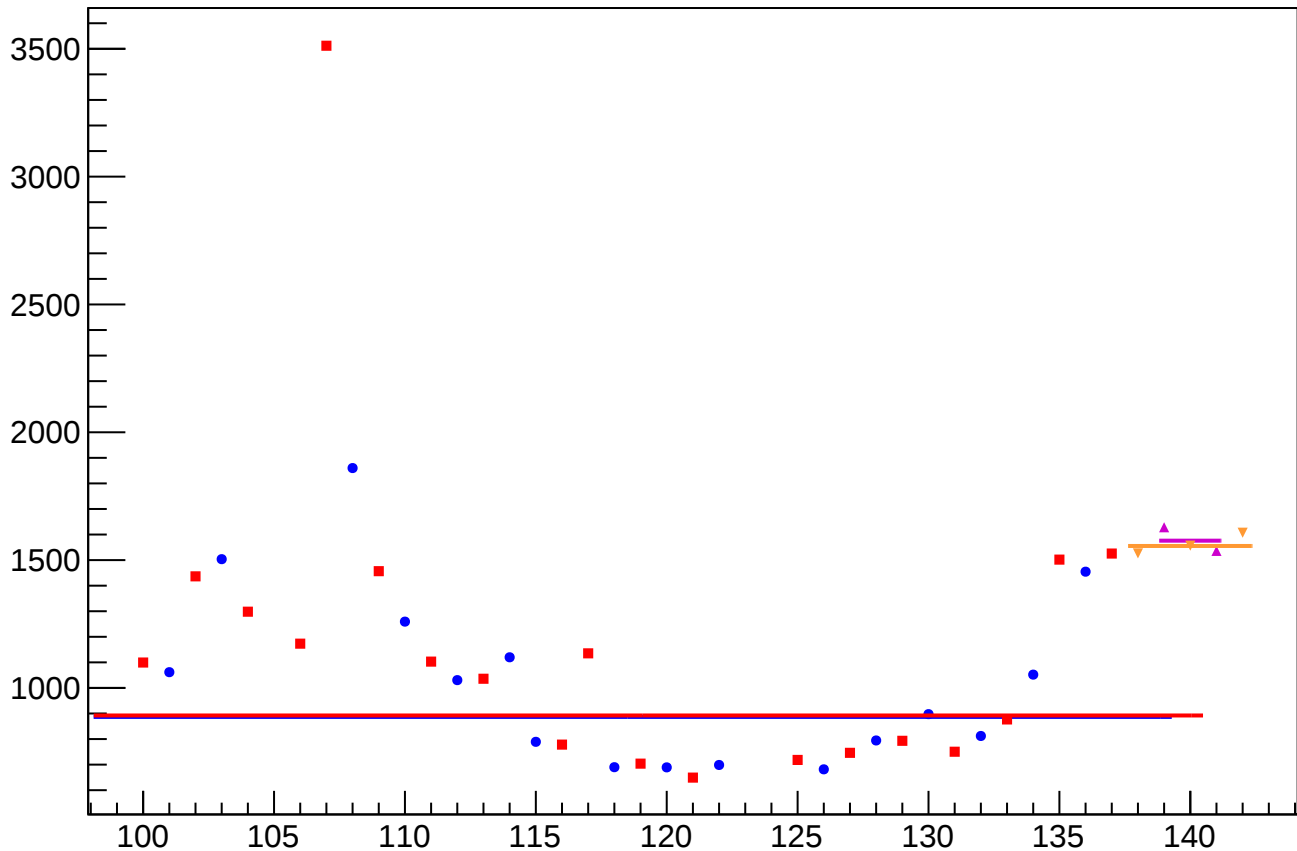
Right Out: -160.376+/-355.478 χ^2/NDF : 25.0/18

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

-126.383+/-342.685 χ^2/NDF : 26.1/18

-149.204+/-342.216 χ^2/NDF : 25.2/20

asym_usl_correction_rms vs Slug



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

Left Out: 1555.281+/-0.789 χ^2/NDF :1412.8/2

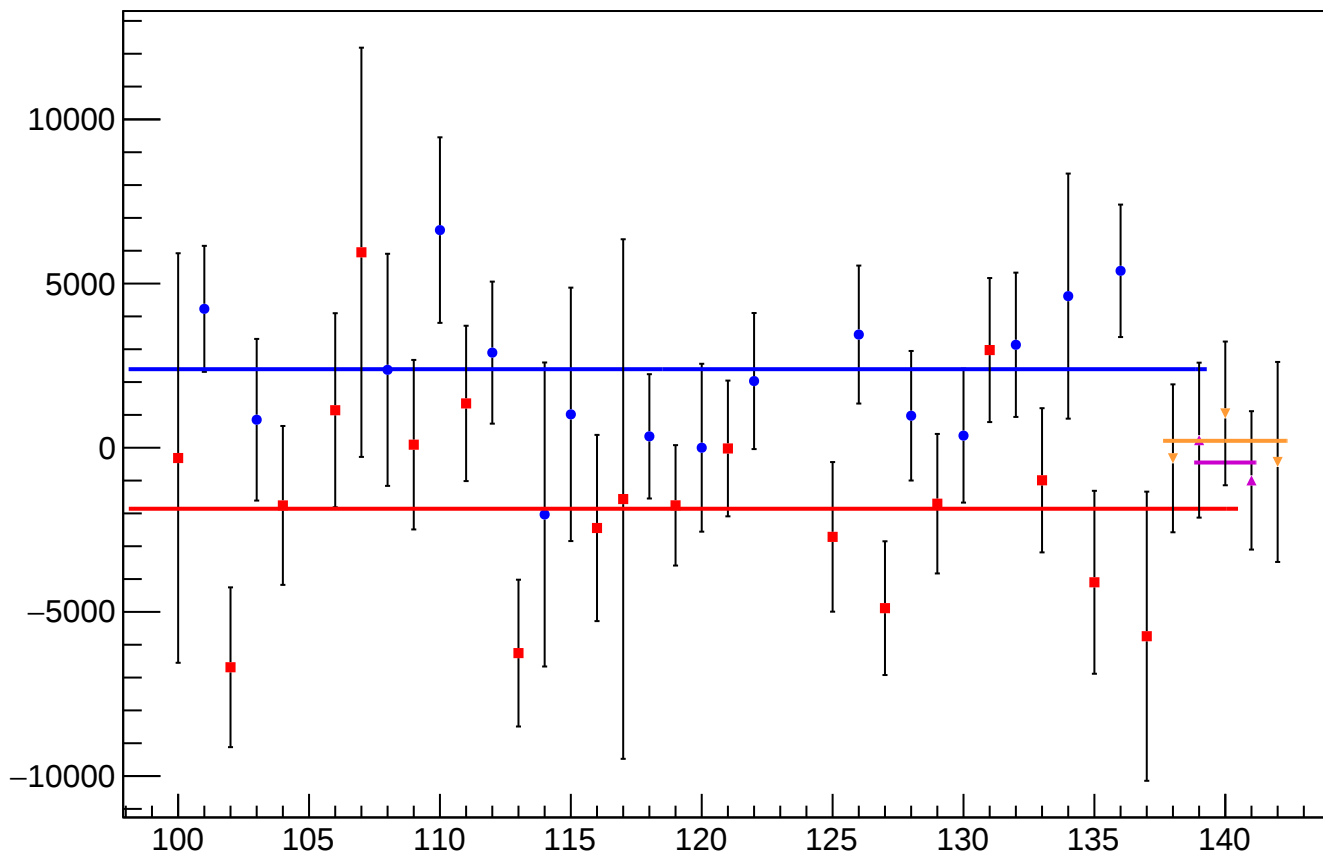
949.690+/-0.242 χ^2/NDF : 1712037.3/18

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

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

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

asym_usl_mean vs Slug



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

Left Out: 210.492 ± 1395.362 χ^2/NDF : 0.2/2

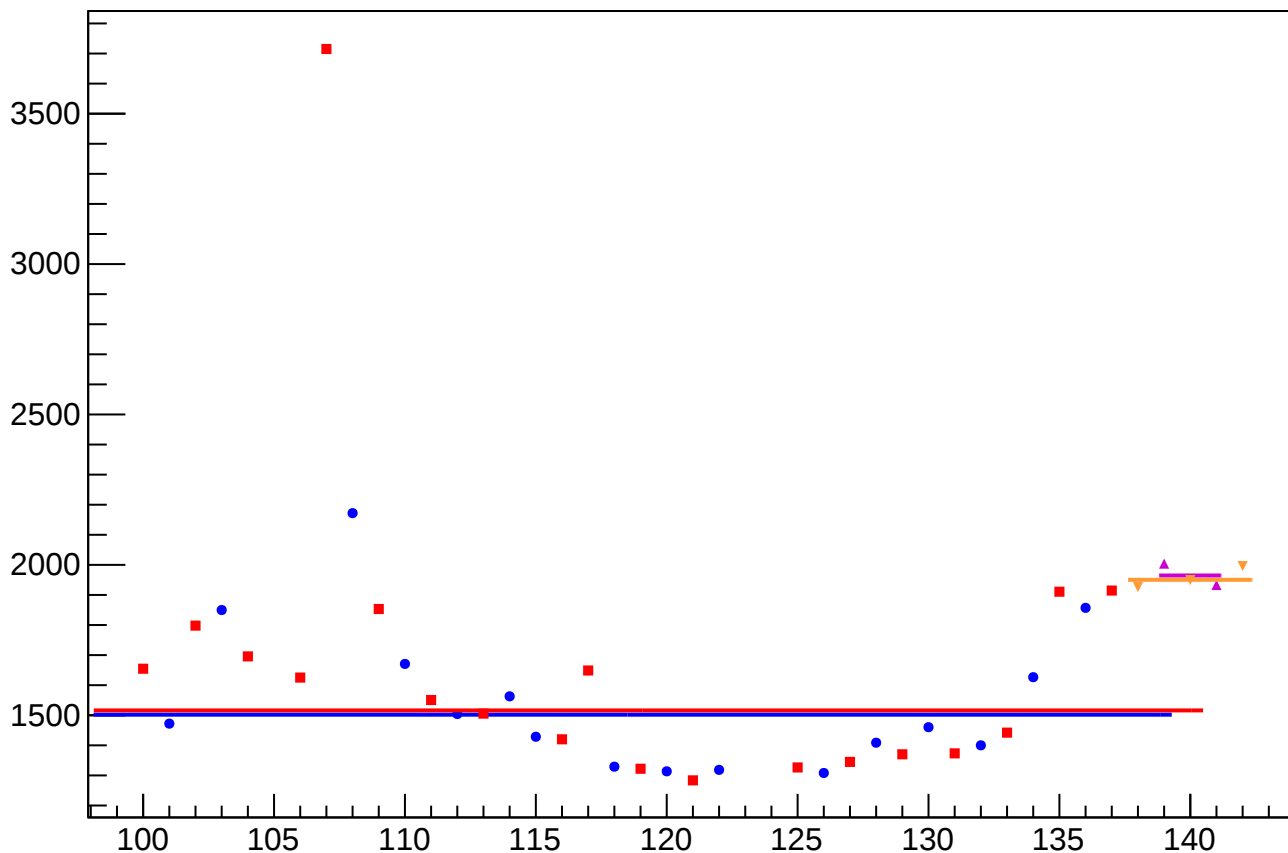
Right Out: -1858.263 ± 581.542 χ^2/NDF : 22.5/18

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

2062.420 ± 542.630 χ^2/NDF : 13.5/18

-1688.759 ± 545.409 χ^2/NDF : 23.4/20

asym_usl_rms vs Slug



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

Left Out: 1950.273 $\pm$ 0.987 χ^2/NDF : 678.9/2

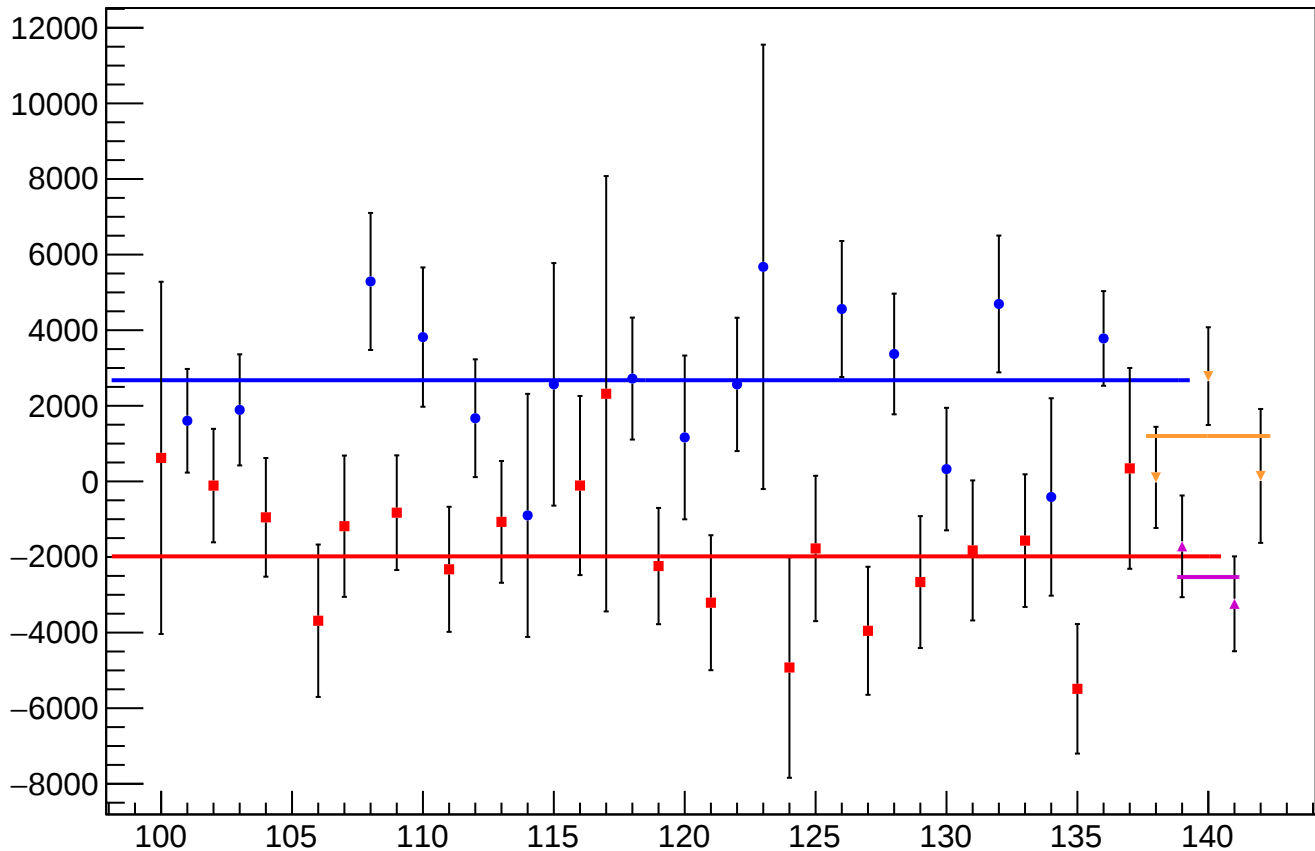
Right Out: 1516.127 $\pm$ 0.411 χ^2/NDF : 480325.9/18

Left In: 1964.625 $\pm$ 1.111 χ^2/NDF : 1006.0/1

1569.738 $\pm$ 0.384 χ^2/NDF : 430477.5/18

1570.128 $\pm$ 0.386 χ^2/NDF : 624562.6/20

reg_asym_usr_mean vs Slug



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

Left Out: 1200.885 ± 823.051 χ^2/NDF : 2.5/2

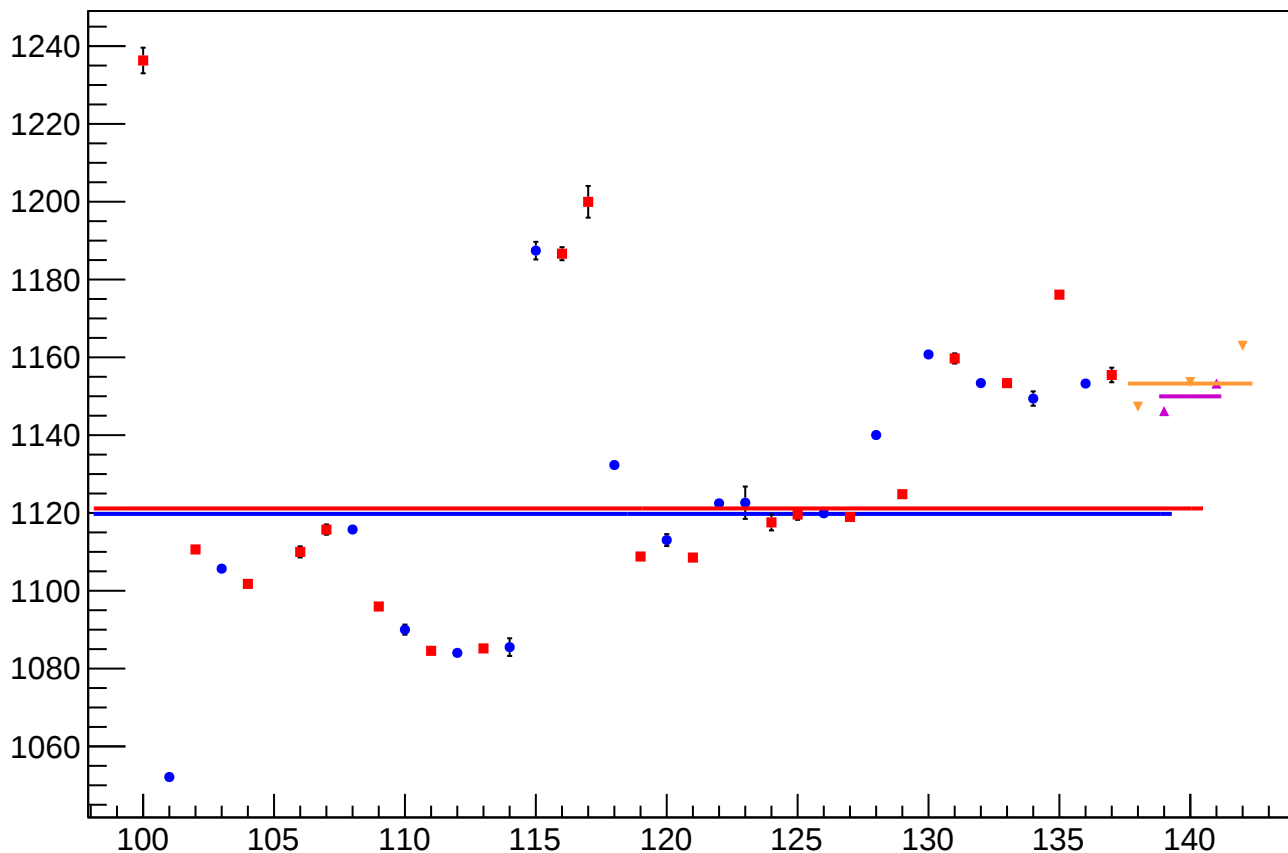
Right Out: -1983.779 ± 418.059 χ^2/NDF : 13.4/19

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

2356.093 ± 383.608 χ^2/NDF : 17.6/19

-2077.795 ± 380.435 χ^2/NDF : 14.3/21

reg_asym_usr_rms vs Slug



Right In: 1119.762 ± 0.307 χ^2/NDF : 11876.8/16

Left Out: 1153.257 ± 0.582 χ^2/NDF : 99.7/2

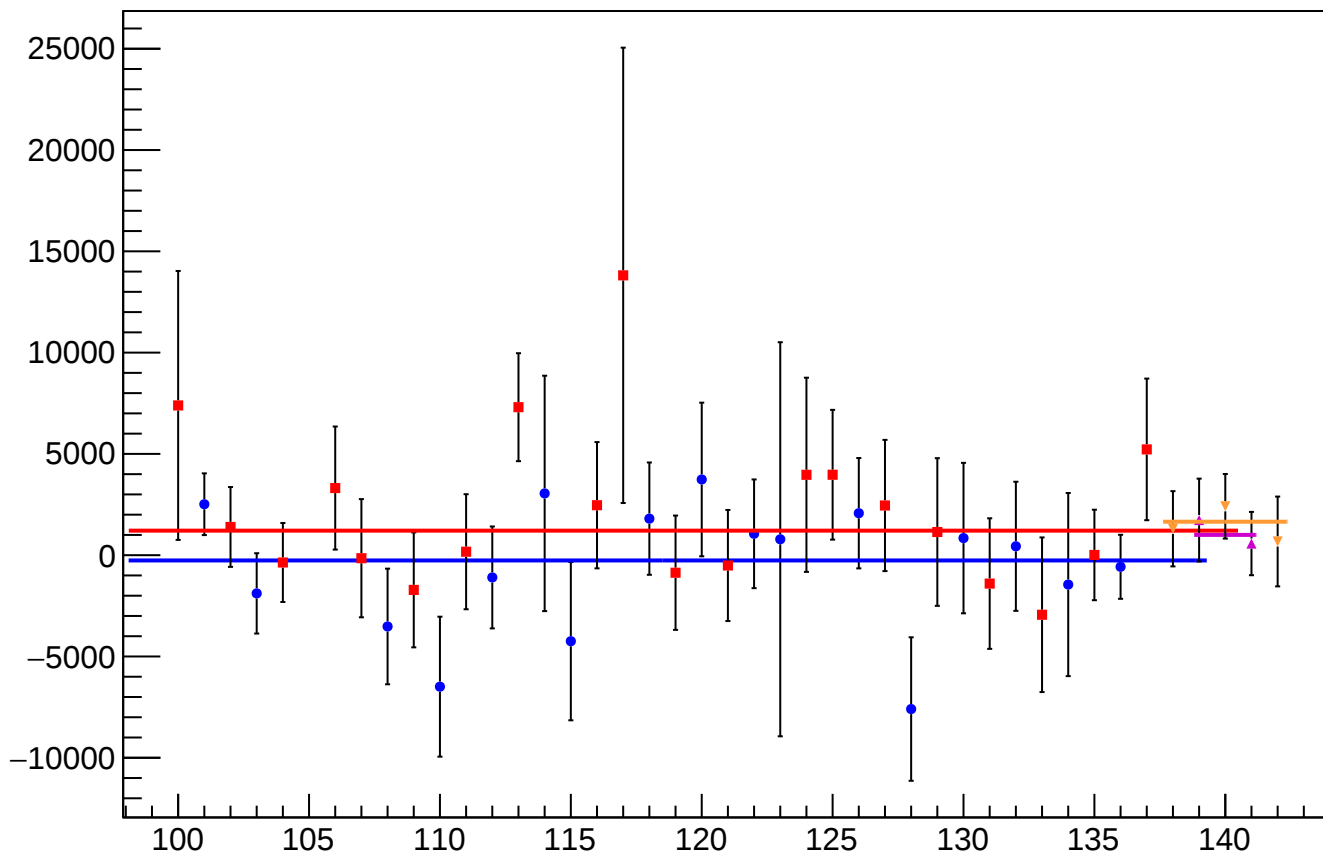
Right Out: 1121.164 ± 0.296 χ^2/NDF : 10310.8/19

Left In: 1149.974 ± 0.649 χ^2/NDF : 29.6/1

1127.038 ± 0.271 χ^2/NDF : 14569.3/19

1126.116 ± 0.269 χ^2/NDF : 11973.1/21

asym_usr_correction_mean vs Slug



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

Left Out: 1652.697+/-1061.744 χ^2/NDF : 0.5/2

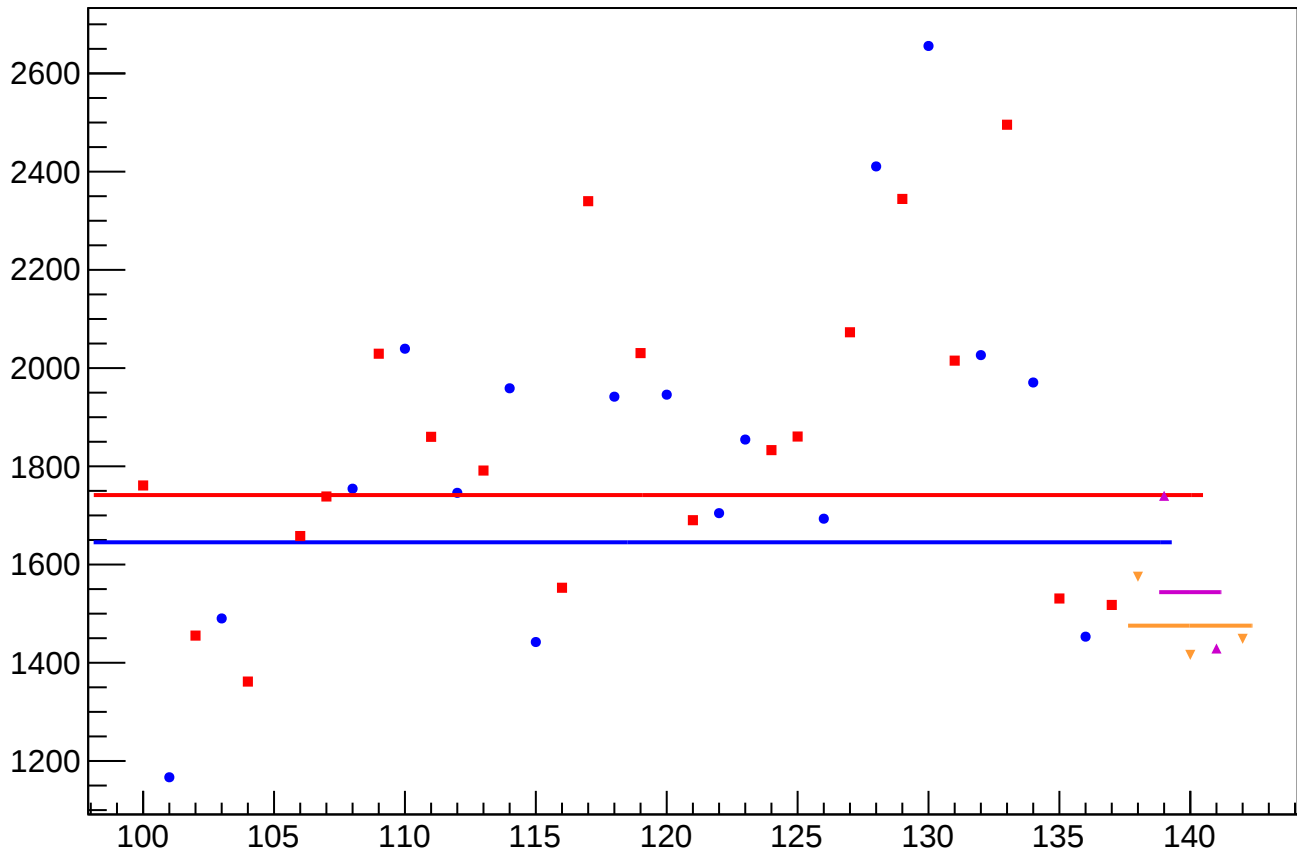
Right Out: 1211.378+/-661.281 χ^2/NDF : 15.7/19

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

267.715+/-557.626 χ^2/NDF : 20.0/19

1165.146+/-583.645 χ^2/NDF : 15.9/21

asym_usr_correction_rms vs Slug



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

Left Out: 1475.569+/-0.751 χ^2/NDF : 8834.2/2

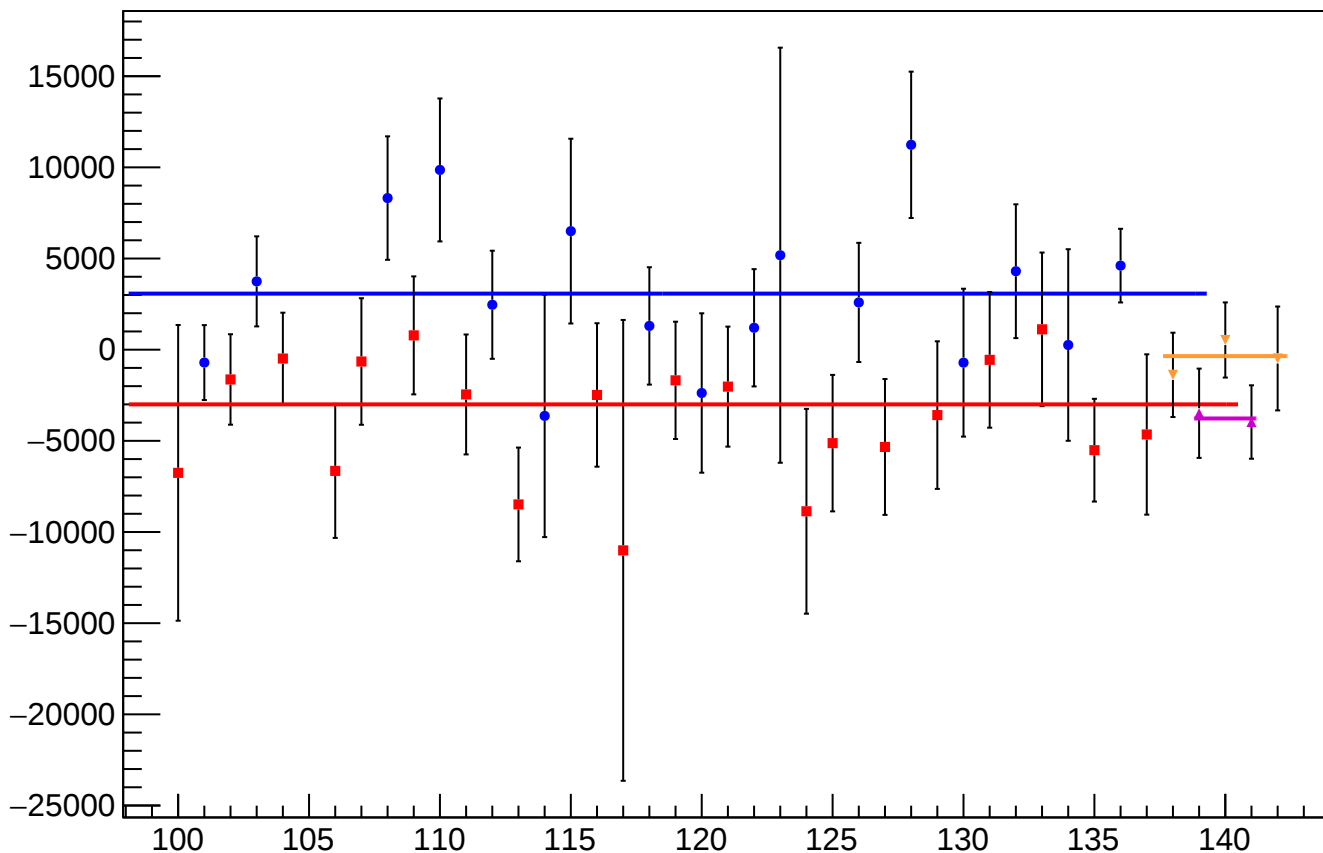
Right Out: 1741.460+/-0.468 χ^2/NDF : 376702.2/19

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

1598.487+/-0.394 χ^2/NDF : 646765.2/19

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

asym_usr_mean vs Slug



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

Left Out: -352.551+/-1353.796 χ^2/NDF : 0.4/2

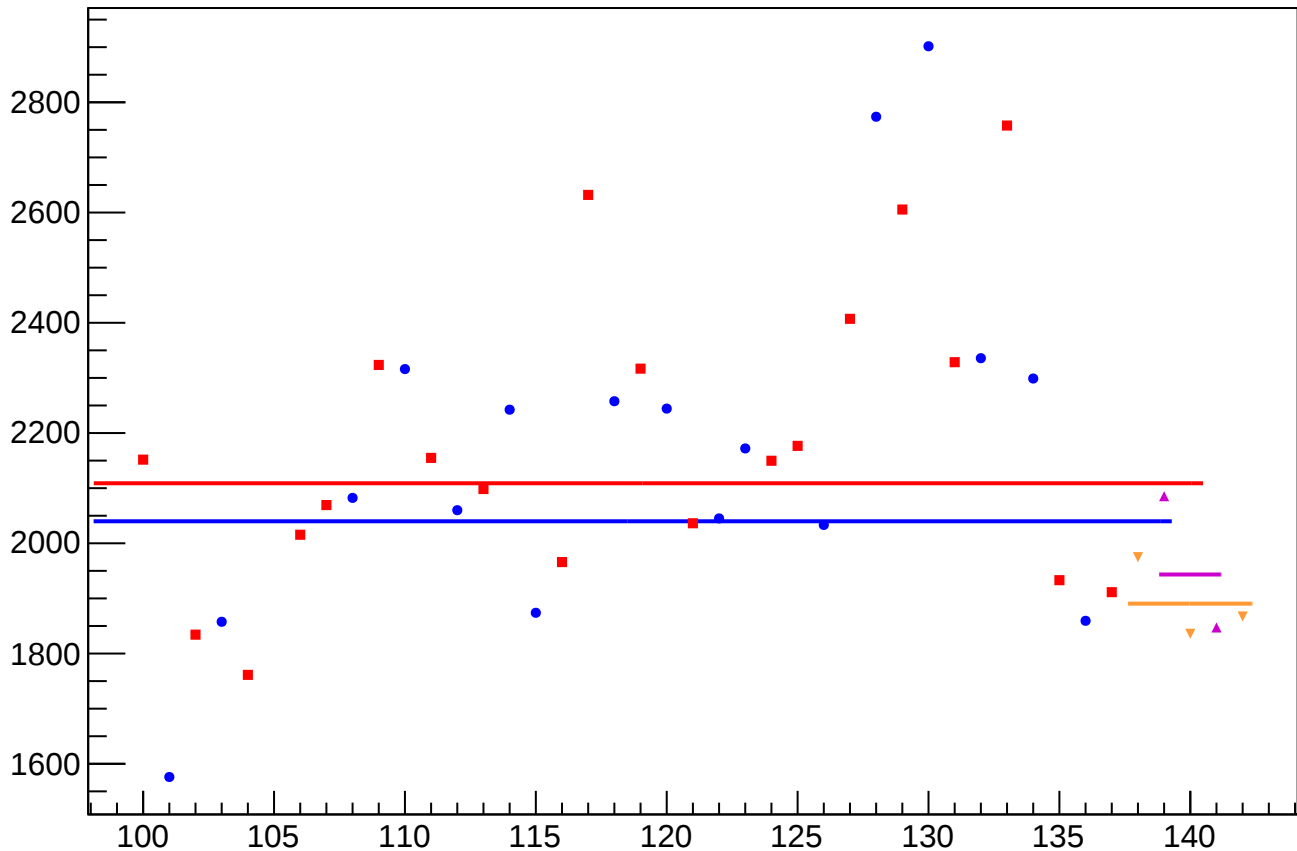
Right Out: -2999.277+/-794.066 χ^2/NDF : 12.3/19

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

2184.481+/-690.168 χ^2/NDF : 23.7/19

-3159.338+/-707.231 χ^2/NDF : 12.5/21

asym_usr_rms vs Slug



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

Left Out: 1890.538+/-0.957 χ^2/NDF : 4198.0/2

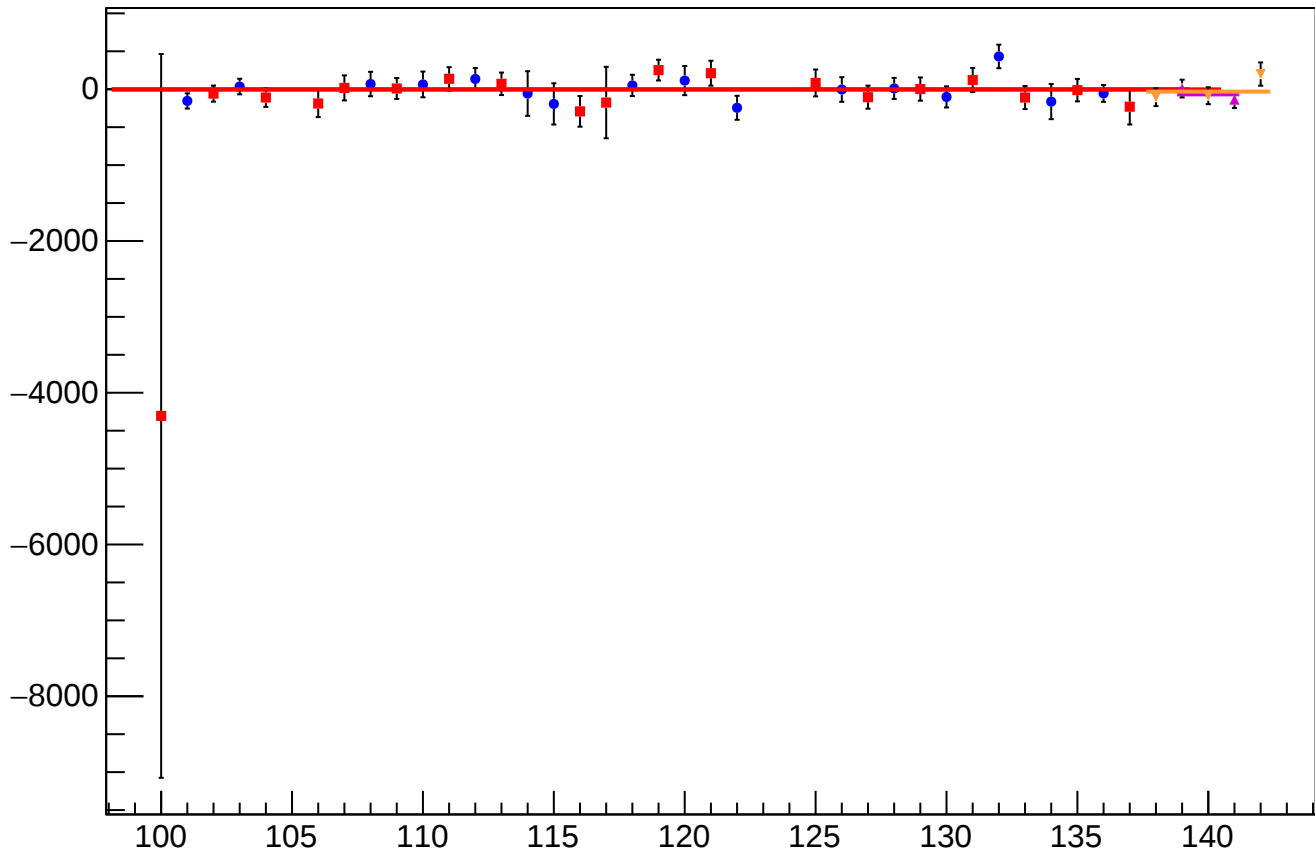
Right Out: 2108.906+/-0.561 χ^2/NDF : 198889.3/19

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

2001.112+/-0.488 χ^2/NDF : 354209.6/19

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

reg_asym_dsl_mean vs Slug



Right In: -3.283 ± 36.714 $\chi^2/\text{NDF}: 16.1/15$

Left Out: -31.307 ± 71.382 $\chi^2/\text{NDF}: 2.9/2$

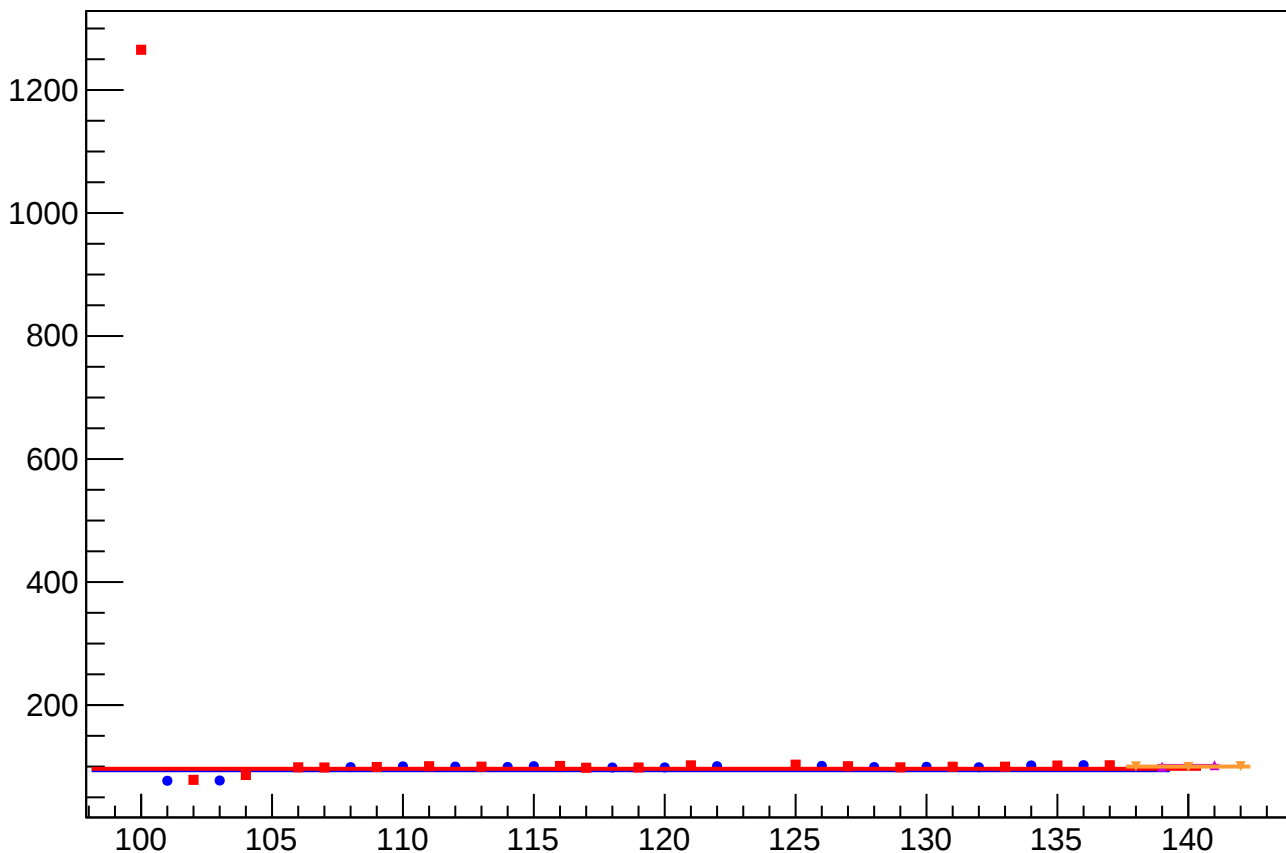
Right Out: -1.545 ± 36.588 $\chi^2/\text{NDF}: 14.1/18$

Left In: -67.829 ± 80.659 $\chi^2/\text{NDF}: 0.8/1$

-9.145 ± 32.649 $\chi^2/\text{NDF}: 19.2/18$

-12.857 ± 33.320 $\chi^2/\text{NDF}: 15.5/20$

reg_asym_dsl_rms vs Slug



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

Left Out: 100.018 ± 0.050 χ^2/NDF : 121.0/2

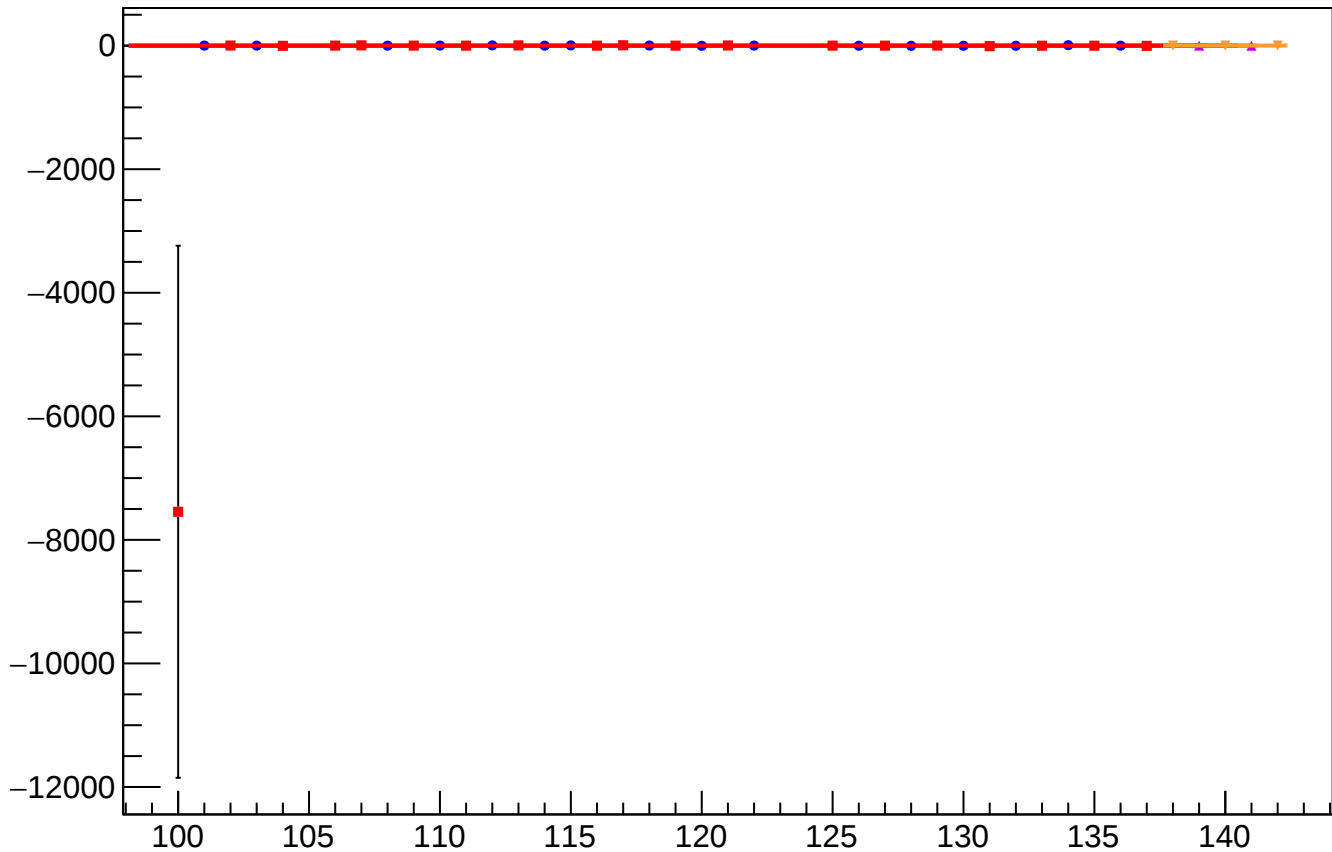
Right Out: 96.383 ± 0.026 χ^2/NDF : 209255.3/18

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

95.313 ± 0.023 χ^2/NDF : 163393.7/18

97.184 ± 0.024 χ^2/NDF : 215312.6/20

asym_dsl_correction_mean vs Slug



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

Left Out: 1.306+/-1.232 χ^2/NDF : 0.0/2

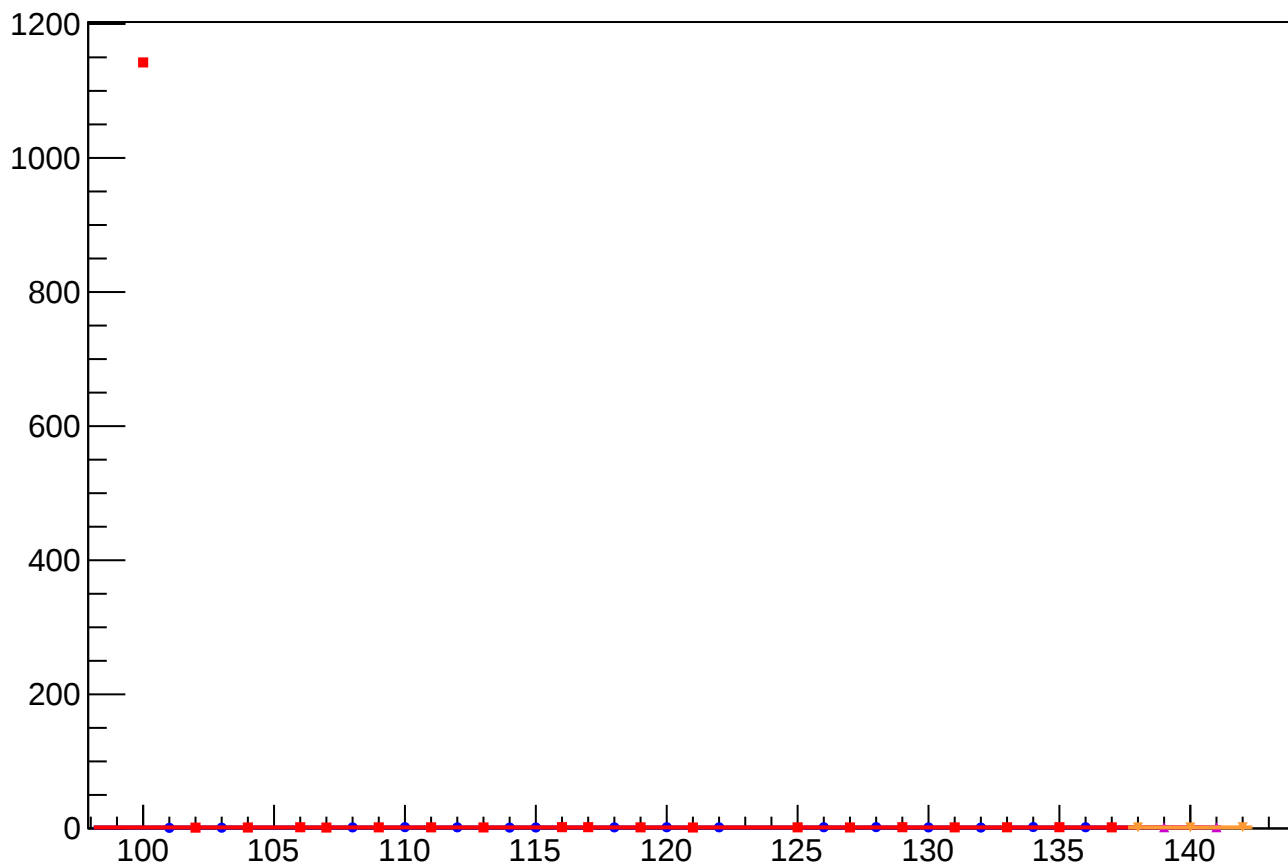
Right Out: 0.336+/-0.641 χ^2/NDF : 23.1/18

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

0.602+/-0.551 χ^2/NDF : 10.2/18

0.251+/-0.593 χ^2/NDF : 23.4/20

asym_dsl_correction_rms vs Slug



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

Left Out: 1.575+/-0.001 χ^2/NDF : 10067.0/2

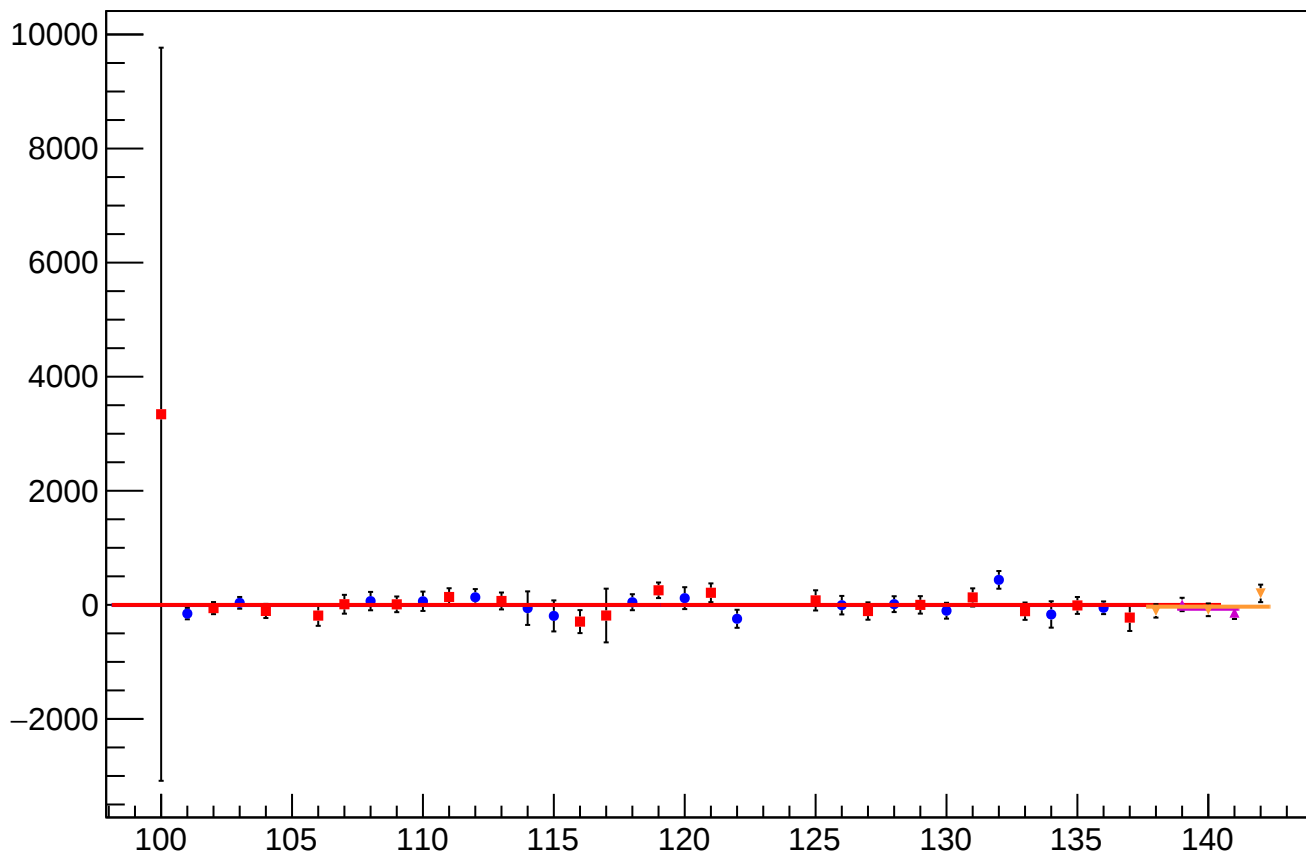
Right Out: 1.557+/-0.000 χ^2/NDF : 318750.9/18

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

1.451+/-0.000 χ^2/NDF : 766556.8/18

1.601+/-0.000 χ^2/NDF : 382787.7/20

asym_dsl_mean vs Slug



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

Left Out: -31.881+/-71.400 χ^2/NDF : 3.0/2

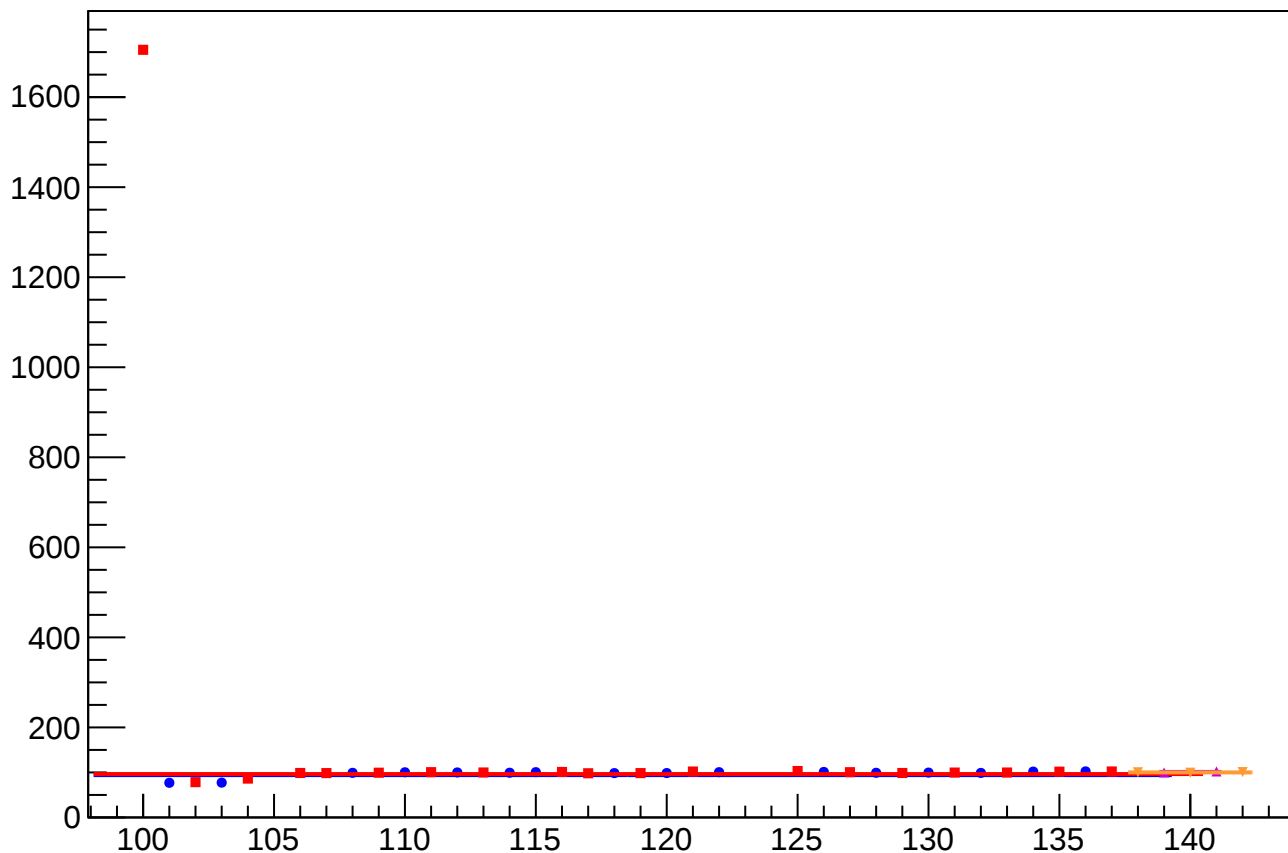
Right Out: -1.300+/-36.598 χ^2/NDF : 13.7/18

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

-9.120+/-32.657 χ^2/NDF : 19.4/18

-12.804+/-33.329 χ^2/NDF : 15.0/20

asym_dsl_rms vs Slug



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

Left Out: 100.044+/-0.050 χ^2/NDF : 121.1/2

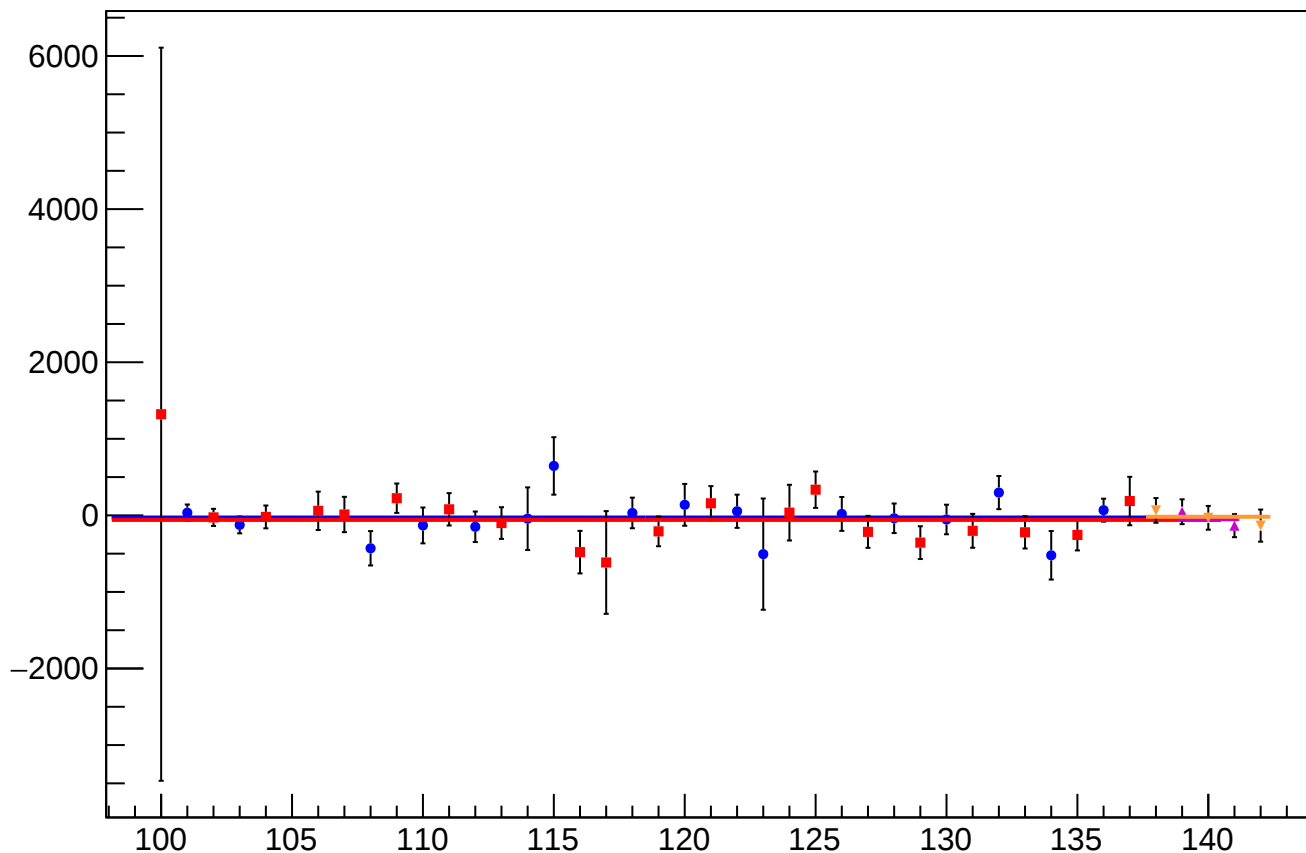
Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

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

95.338+/-0.023 χ^2/NDF : 163415.1/18

97.196+/-0.024 χ^2/NDF : 220491.1/20

reg_asym_dsr_mean vs Slug



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

Left Out: -18.229+/-98.669 χ^2/NDF : 0.6/2

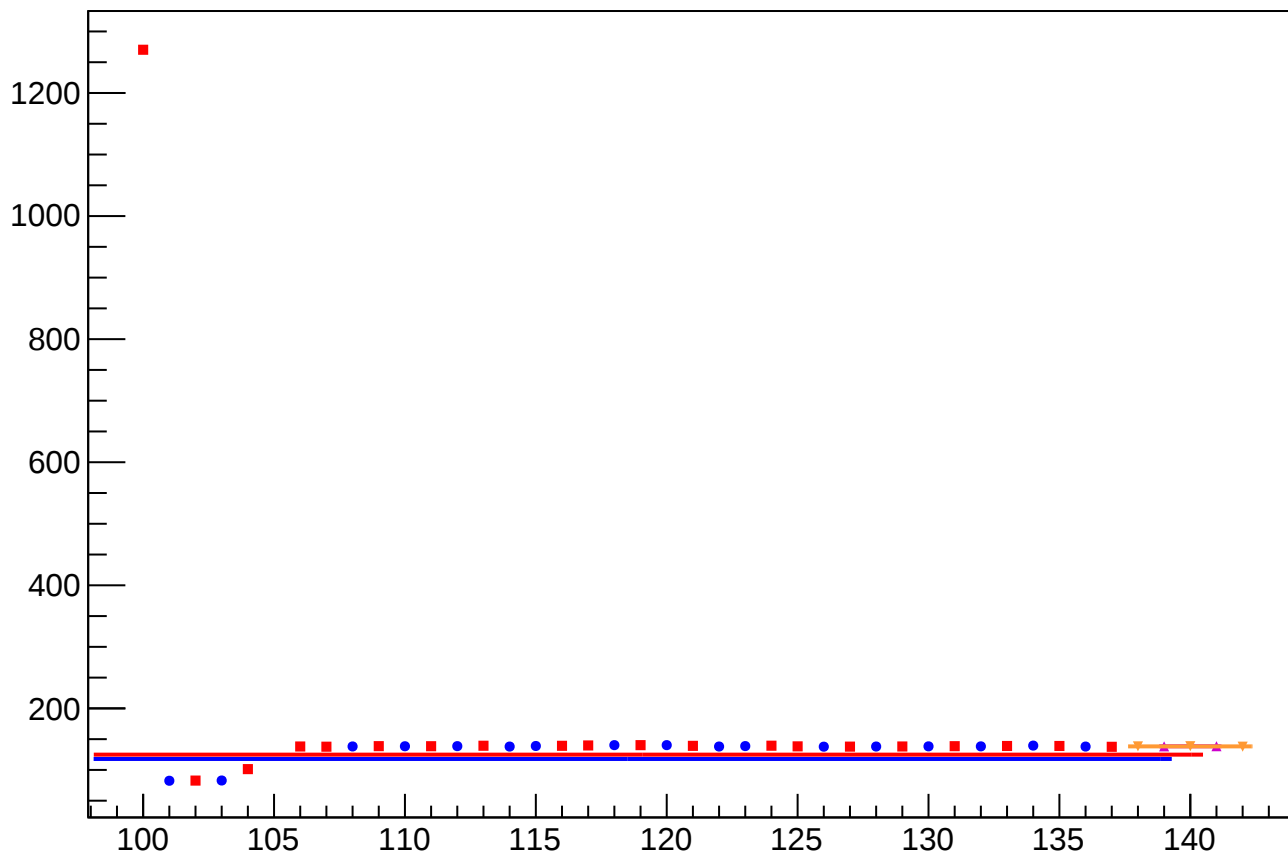
Right Out: -59.211+/-47.588 χ^2/NDF : 15.6/19

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

-26.076+/-42.267 χ^2/NDF : 14.9/19

-57.777+/-43.705 χ^2/NDF : 16.3/21

reg_asym_dsr_rms vs Slug



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

Left Out: 138.251+/-0.070 χ^2/NDF : 16.1/2

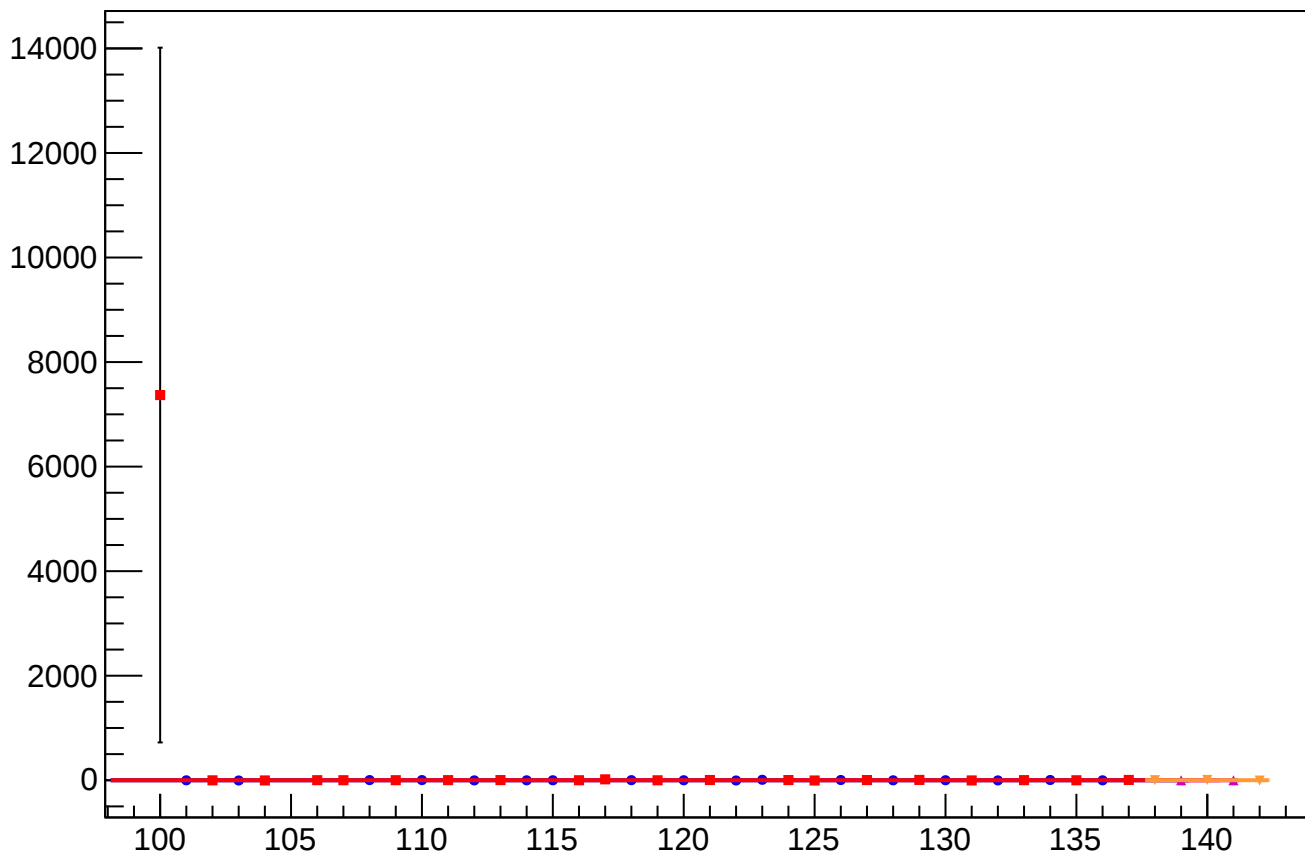
Right Out: 124.839+/-0.034 χ^2/NDF : 570766.0/19

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

121.565+/-0.030 χ^2/NDF : 736650.6/19

126.968+/-0.031 χ^2/NDF : 596351.8/21

asym_dsr_correction_mean vs Slug



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

Left Out: 1.049+/-1.882 χ^2/NDF : 5.9/2

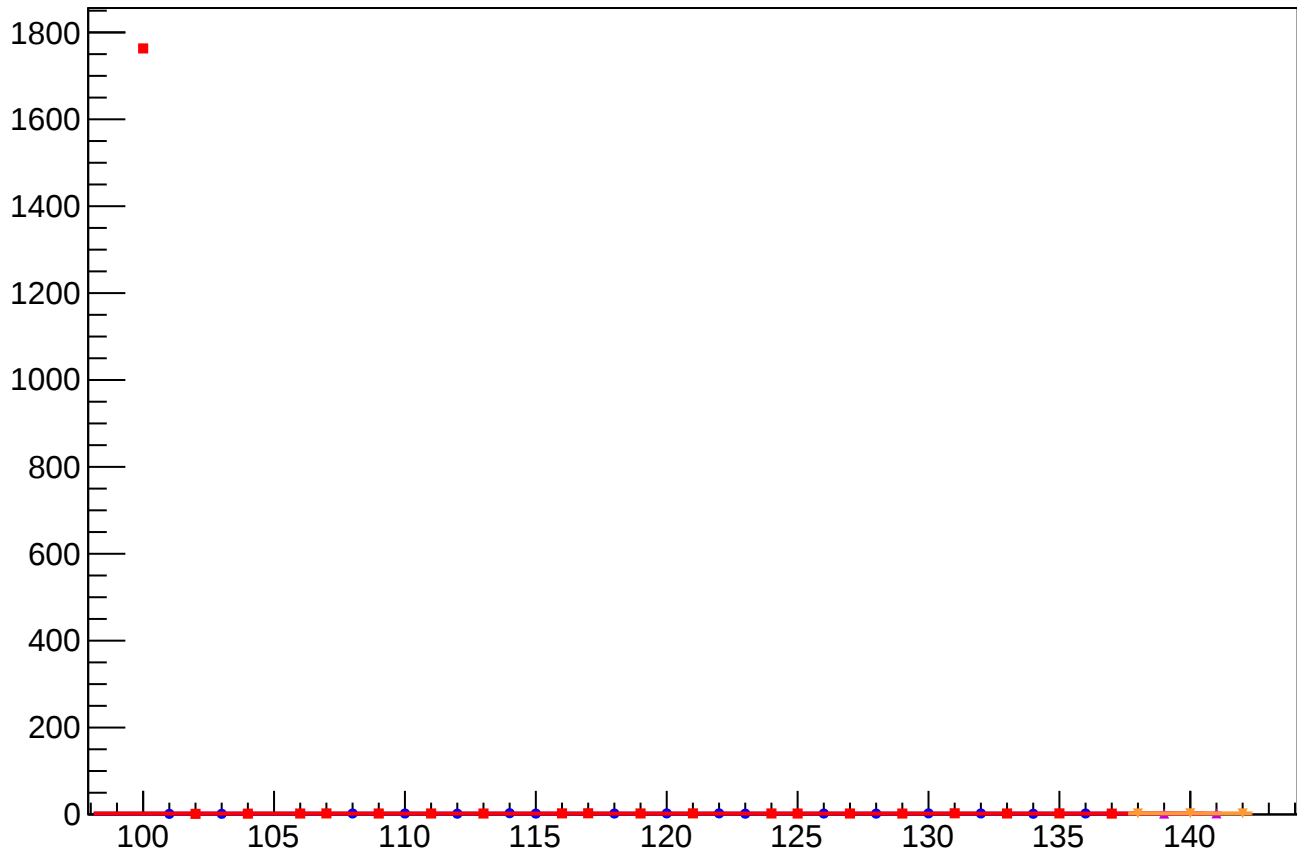
Right Out: 0.719+/-0.849 χ^2/NDF : 15.3/19

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

-0.423+/-0.744 χ^2/NDF : 19.3/19

0.536+/-0.780 χ^2/NDF : 15.6/21

asym_dsr_correction_rms vs Slug



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

Left Out: 2.483 $\pm$ 0.001 χ^2 /NDF: 9730.3/2

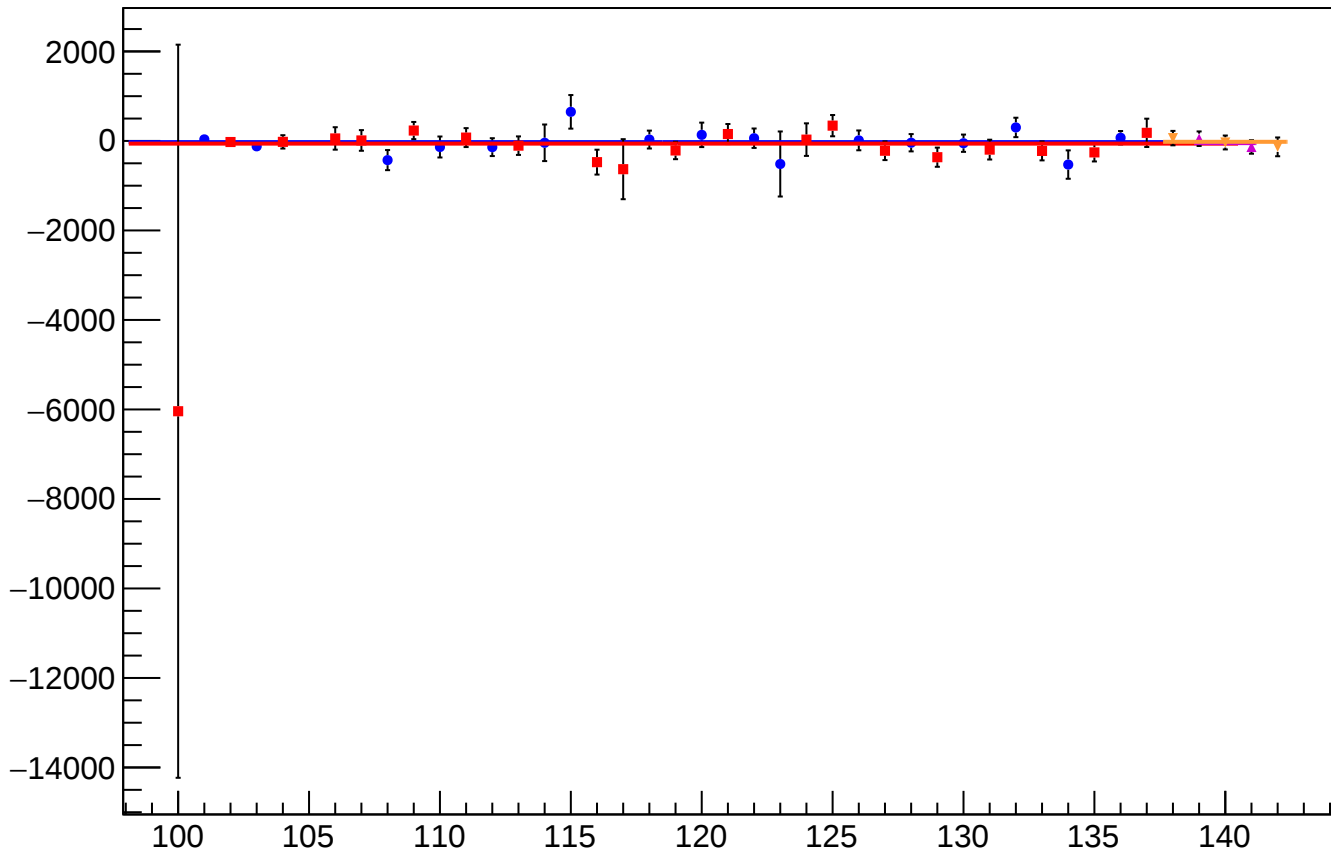
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

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

1.965 $\pm$ 0.001 χ^2 /NDF: 682661.9/19

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

asym_dsr_mean vs Slug



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

Left Out: -19.566 ± 98.697 χ^2/NDF : 0.6/2

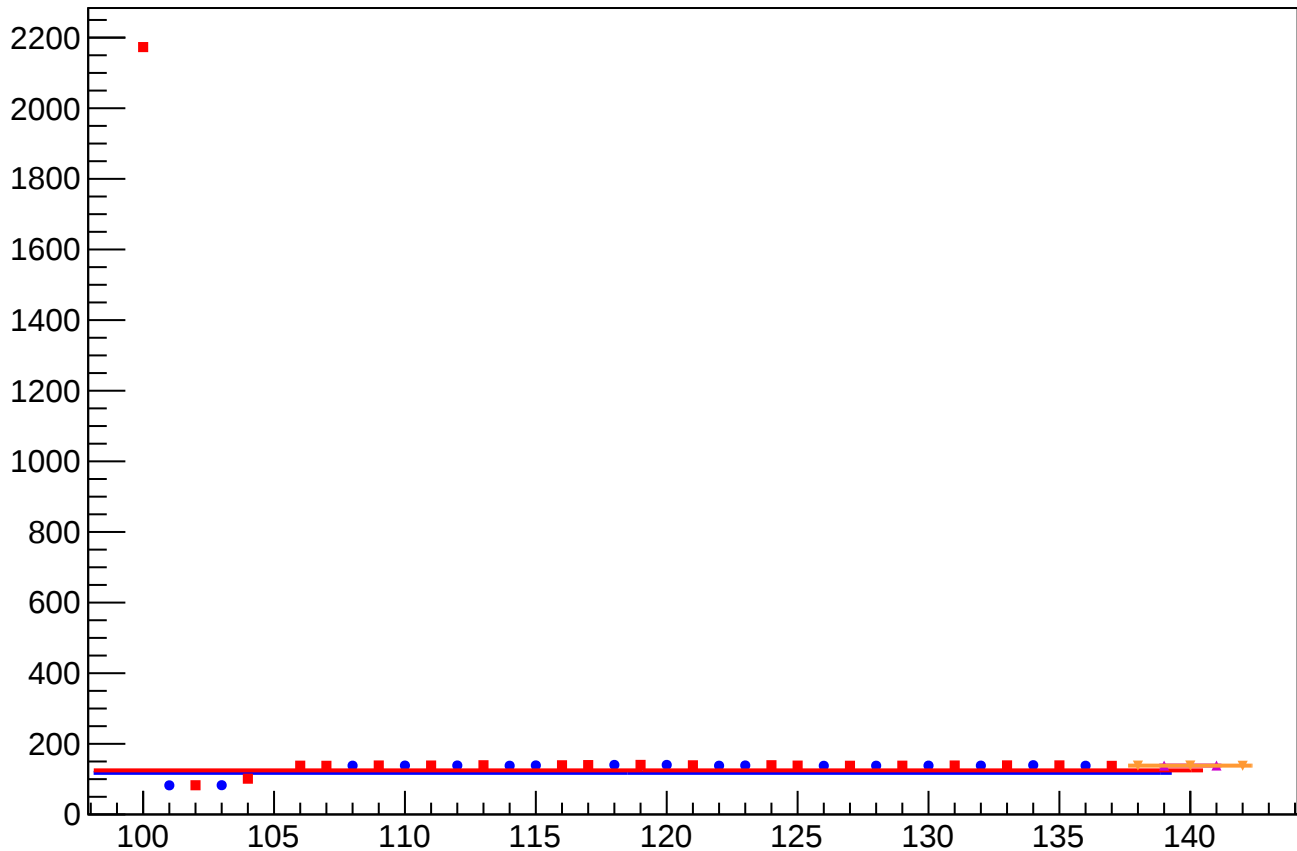
Right Out: -60.159 ± 47.602 χ^2/NDF : 16.2/19

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

-25.030 ± 42.279 χ^2/NDF : 14.9/19

-58.426 ± 43.718 χ^2/NDF : 16.9/21

asym_dsr_rms vs Slug



Right In: 117.847+/-0.033 χ^2/NDF : 666622.8/16

Left Out: 138.290+/-0.070 χ^2/NDF : 15.7/2

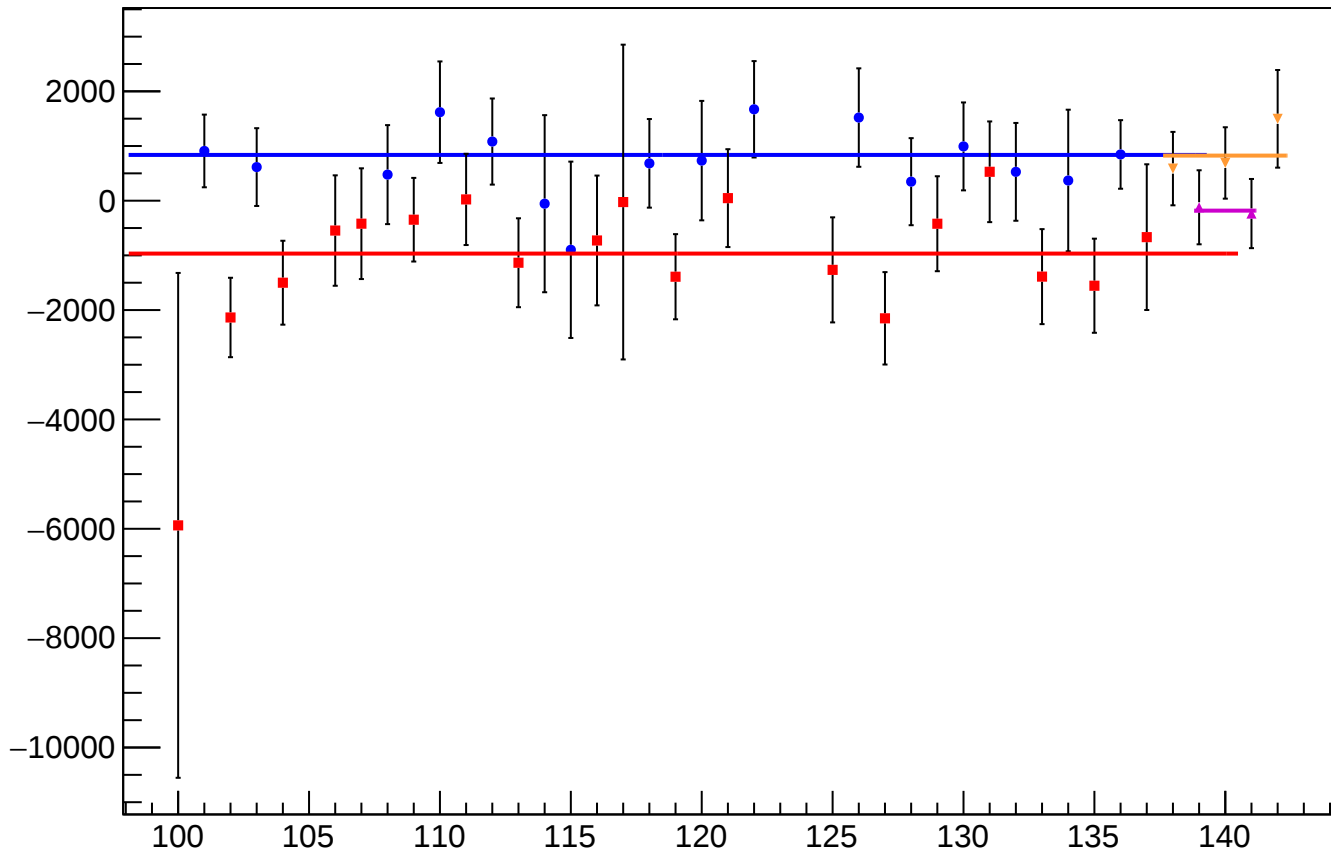
121.598+/-0.030 χ^2/NDF : 736702.9/19

Right Out: 124.828+/-0.034 χ^2/NDF : 581349.7/19

126.965+/-0.031 χ^2/NDF : 607107.6/21

Left In: 138.482+/-0.078 χ^2/NDF : 2.2/1

reg_asym_left_avg_mean vs Slug



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

Left Out: 824.727 ± 414.533 χ^2/NDF : 0.7/2

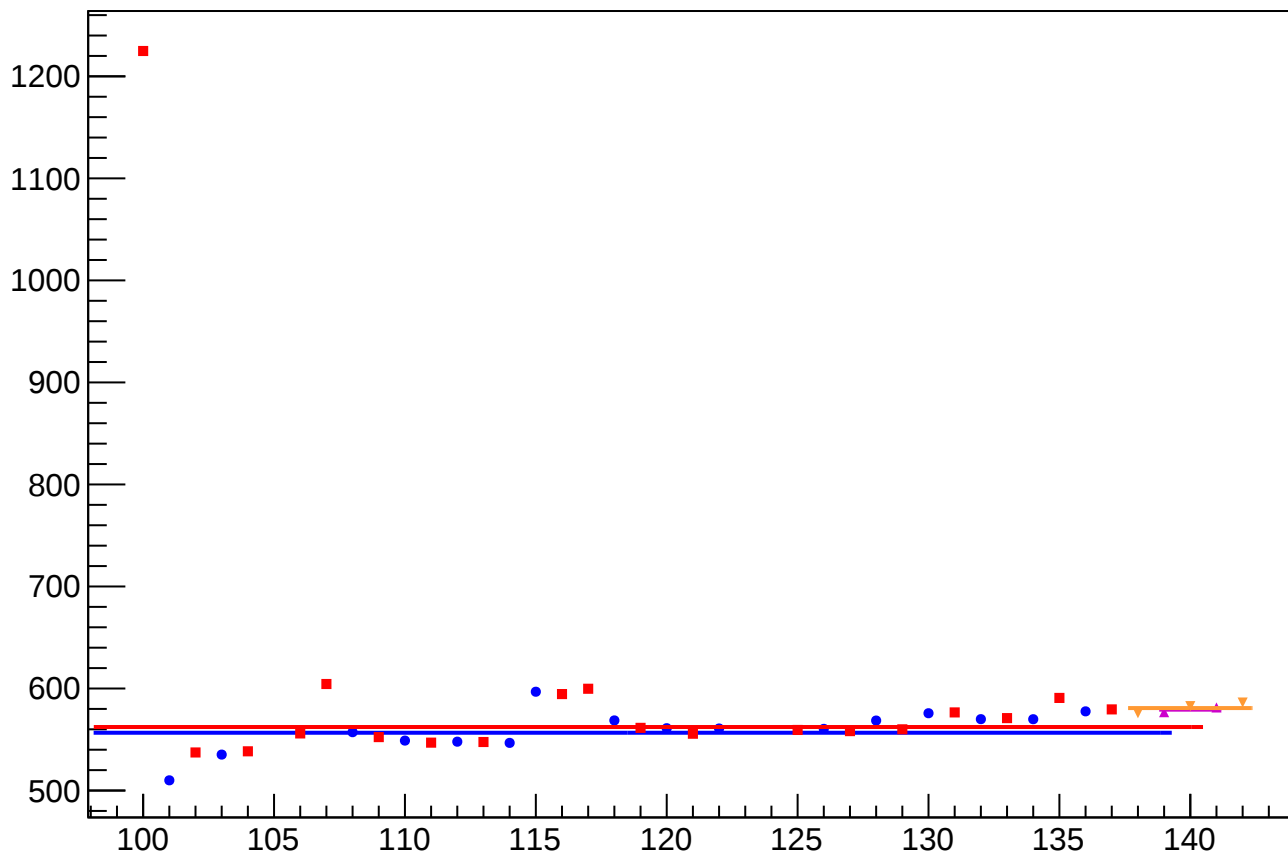
Right Out: -967.277 ± 212.168 χ^2/NDF : 14.4/18

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

834.414 ± 191.681 χ^2/NDF : 5.5/18

-830.575 ± 192.823 χ^2/NDF : 16.8/20

reg_asym_left_avg_rms vs Slug



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

Left Out: 580.826 ± 0.293 χ^2/NDF : 204.5/2

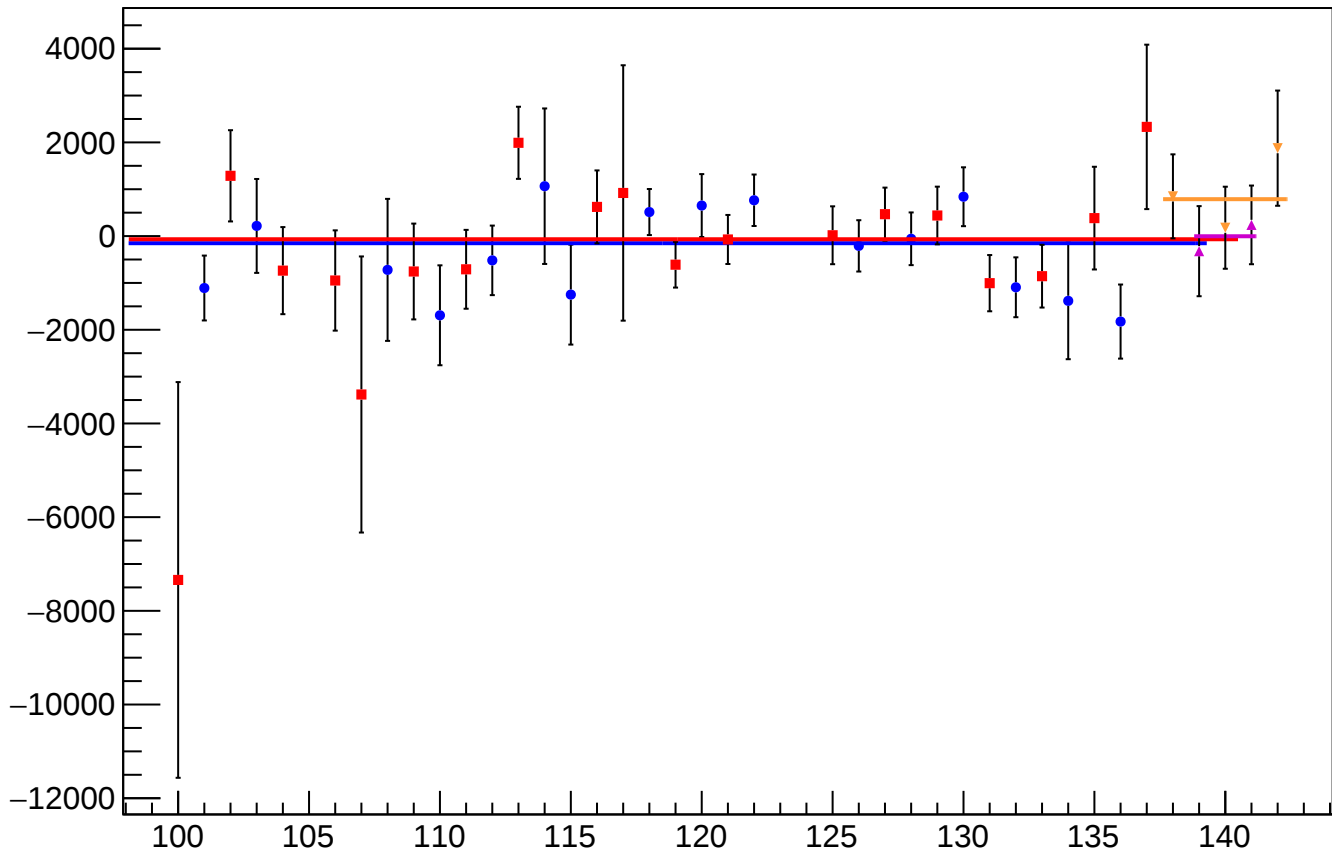
Right Out: 562.253 ± 0.150 χ^2/NDF : 55916.7/18

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

561.809 ± 0.136 χ^2/NDF : 23950.0/18

565.214 ± 0.136 χ^2/NDF : 58204.8/20

asym_left_avg_correction_mean vs Slug



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

Left Out: 787.927+/-558.288 χ^2/NDF : 1.3/2

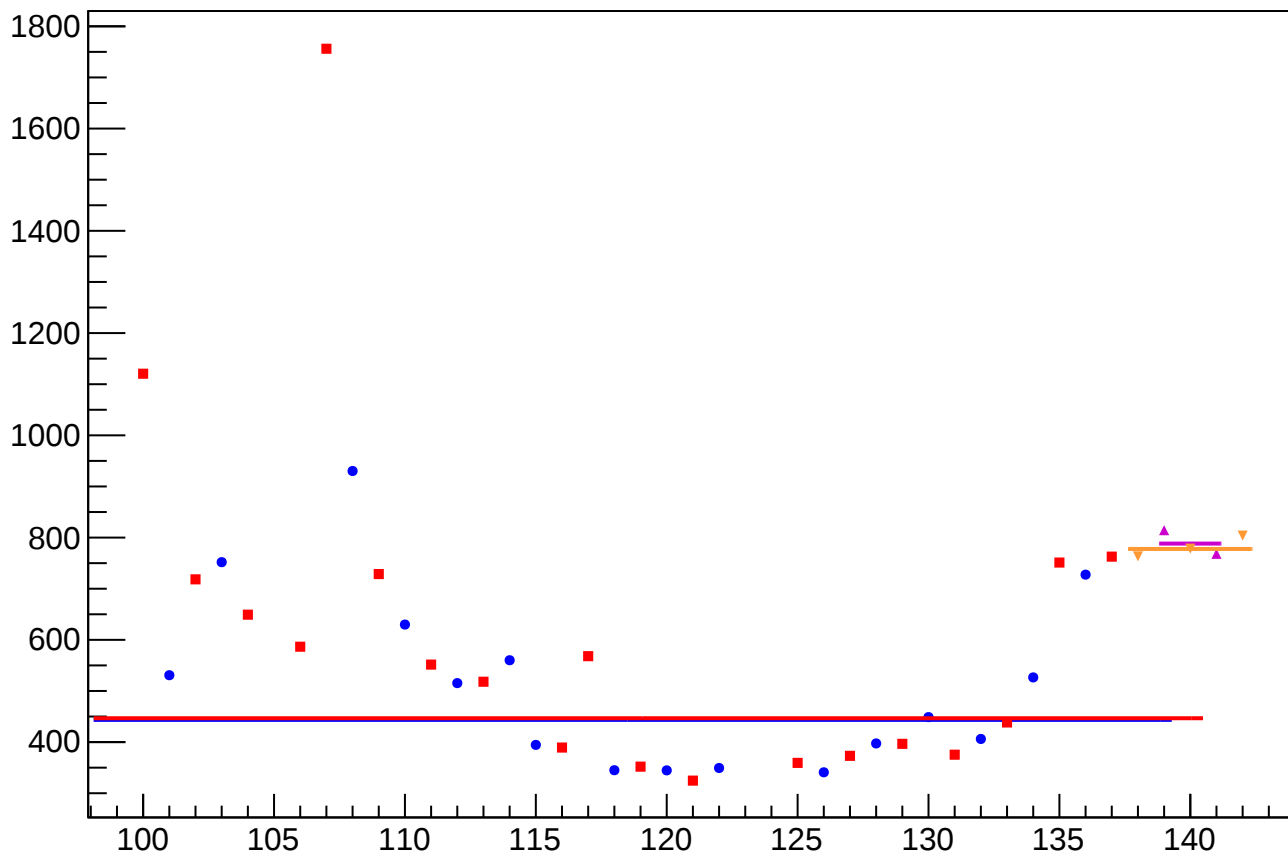
Right Out: -67.516+/-178.283 χ^2/NDF : 25.1/18

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

-63.312+/-171.383 χ^2/NDF : 26.1/18

-62.818+/-171.598 χ^2/NDF : 25.3/20

asym_left_avg_correction_rms vs Slug



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

Left Out: 777.783+/-0.395 χ^2/NDF :1420.5/2

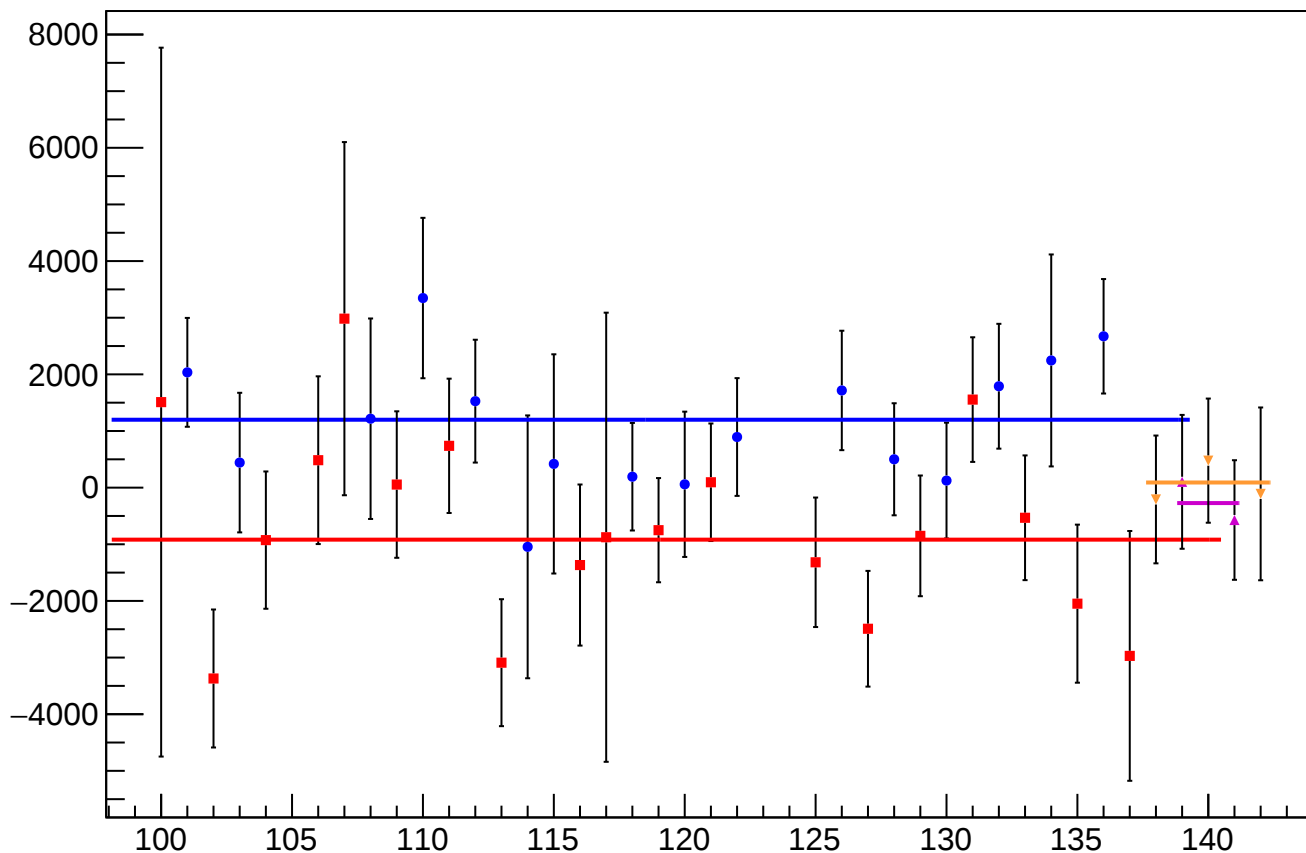
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

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

474.957+/-0.121 χ^2/NDF : 1712018.2/18

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

asym_left_avg_mean vs Slug



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

Left Out: 90.752 ± 698.798 χ^2/NDF : 0.2/2

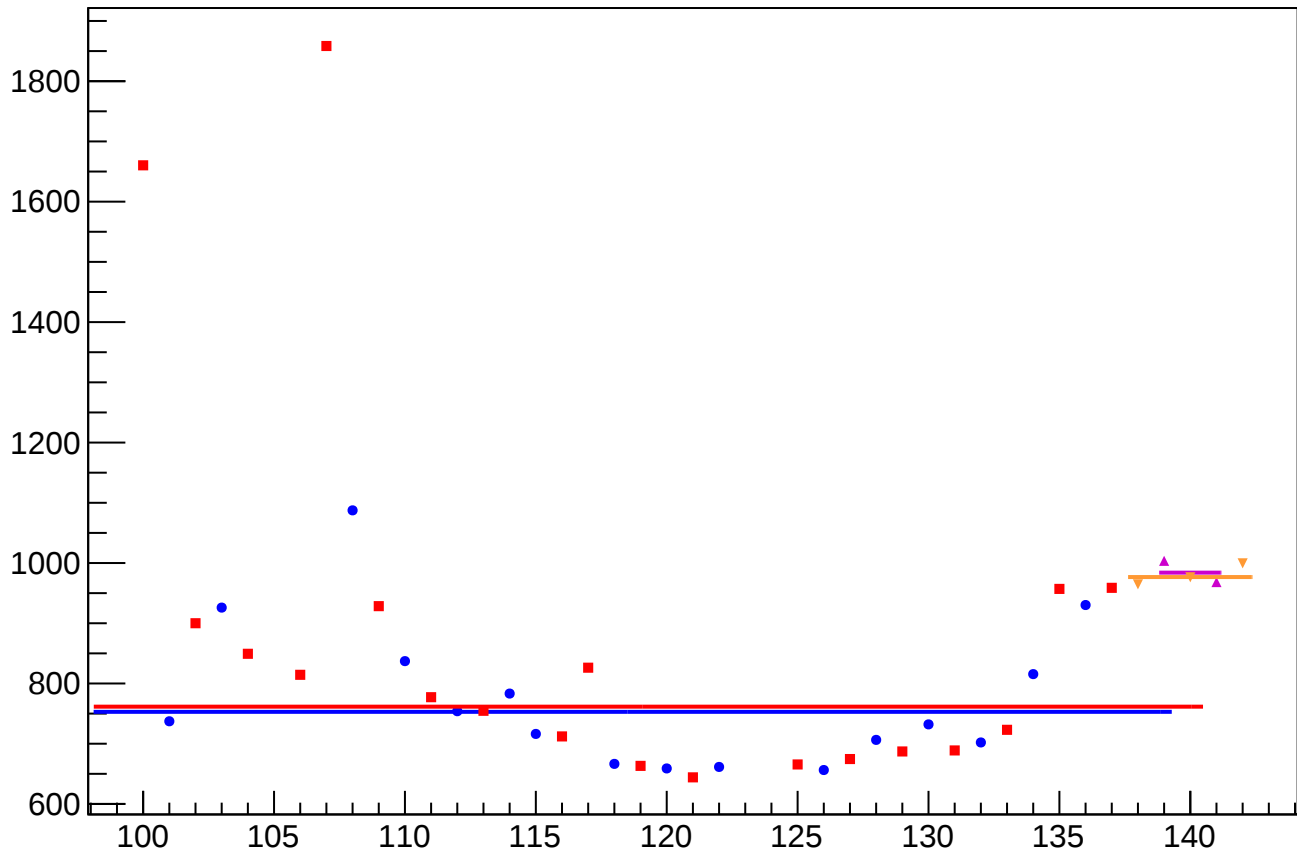
Right Out: -918.180 ± 292.495 χ^2/NDF : 23.2/18

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

1031.111 ± 271.965 χ^2/NDF : 13.5/18

-839.849 ± 274.183 χ^2/NDF : 24.0/20

asym_left_avg_rms vs Slug



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

Left Out: 976.711 $\pm$ 0.494 χ^2 /NDF: 674.8/2

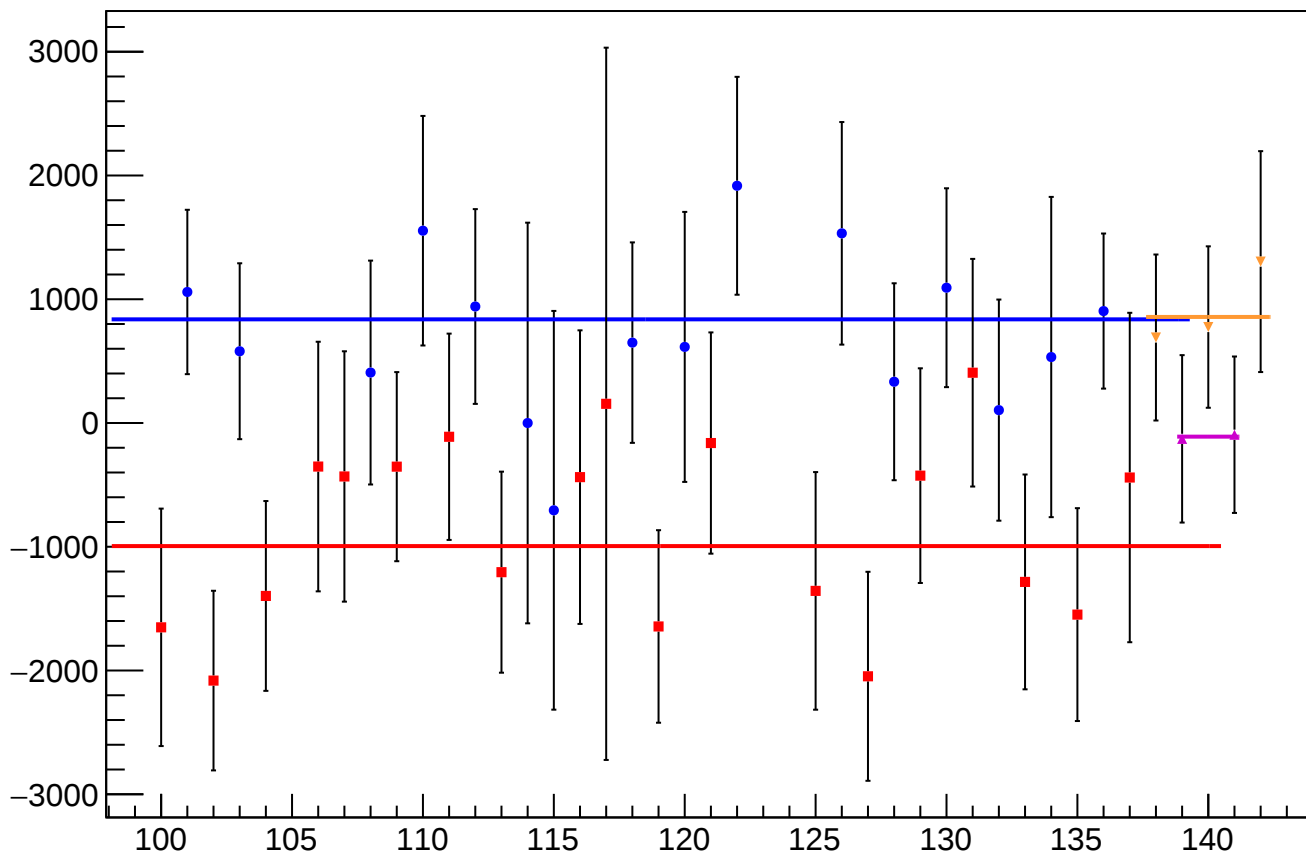
Right Out: 761.514 $\pm$ 0.207 χ^2 /NDF: 517672.2/18

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

786.832 $\pm$ 0.192 χ^2 /NDF: 427225.7/18

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

reg_asym_left_dd_mean vs Slug



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

Left Out: 856.997 $\pm$ 414.186 χ^2 /NDF: 0.3/2

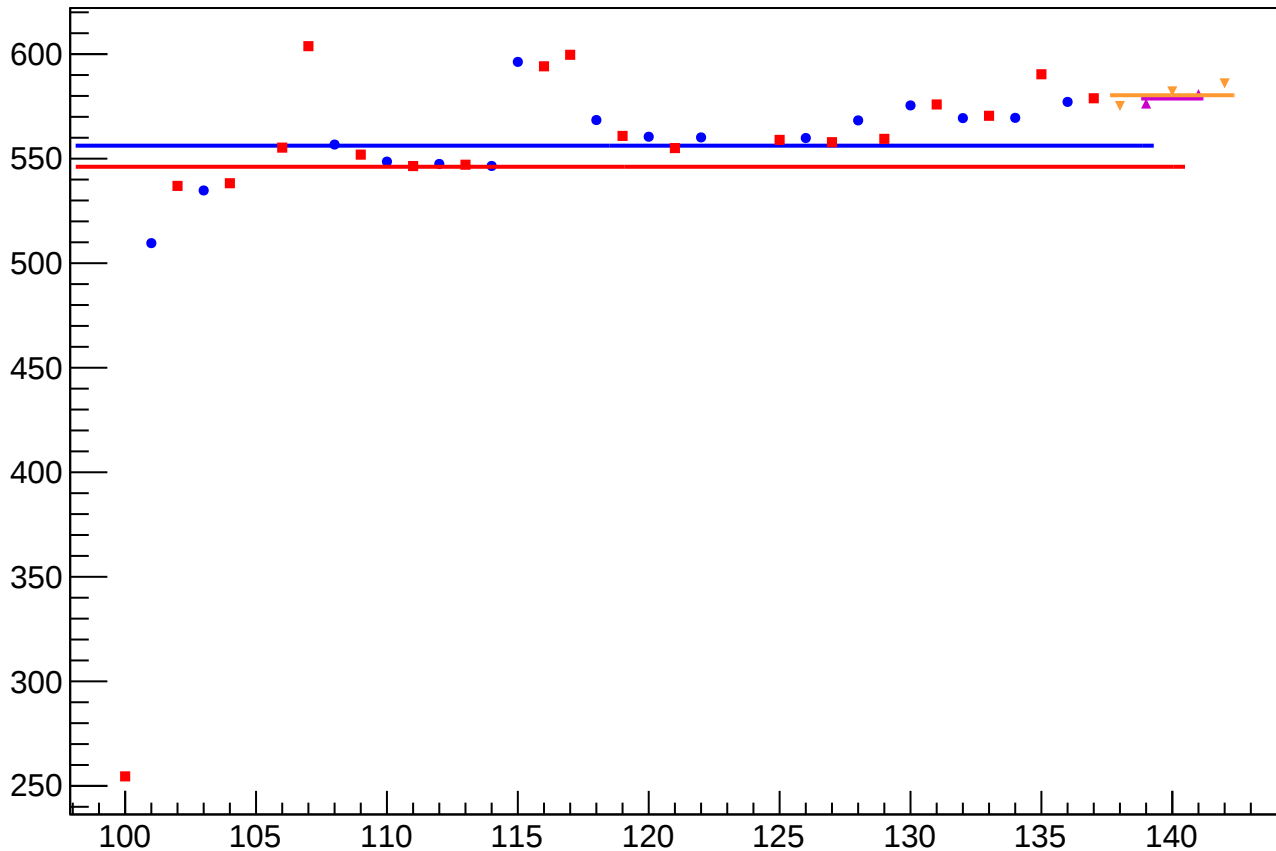
Right Out: -994.626 $\pm$ 207.208 χ^2 /NDF: 12.7/18

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

841.714 $\pm$ 191.532 χ^2 /NDF: 6.0/18

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

reg_asym_left_dd_rms vs Slug



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

Left Out: 580.339 $\pm$ 0.293 χ^2 /NDF:214.8/2

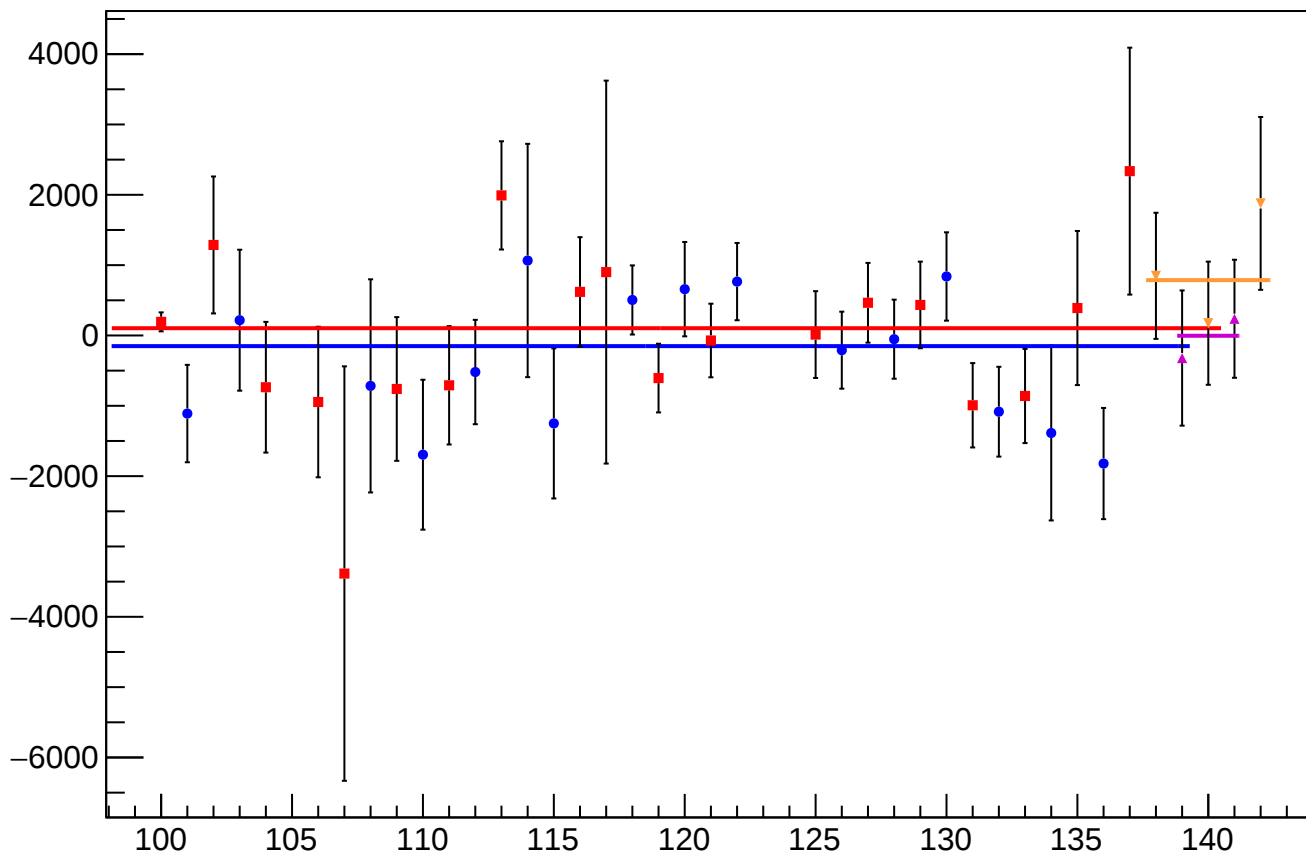
Right Out: 546.124 $\pm$ 0.147 χ^2 /NDF: 208336.6/18

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

561.370 $\pm$ 0.135 χ^2 /NDF: 23968.2/18

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

asym_left_dd_correction_mean vs Slug



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

Left Out: 786.678+/-558.082 χ^2 /NDF: 1.3/2

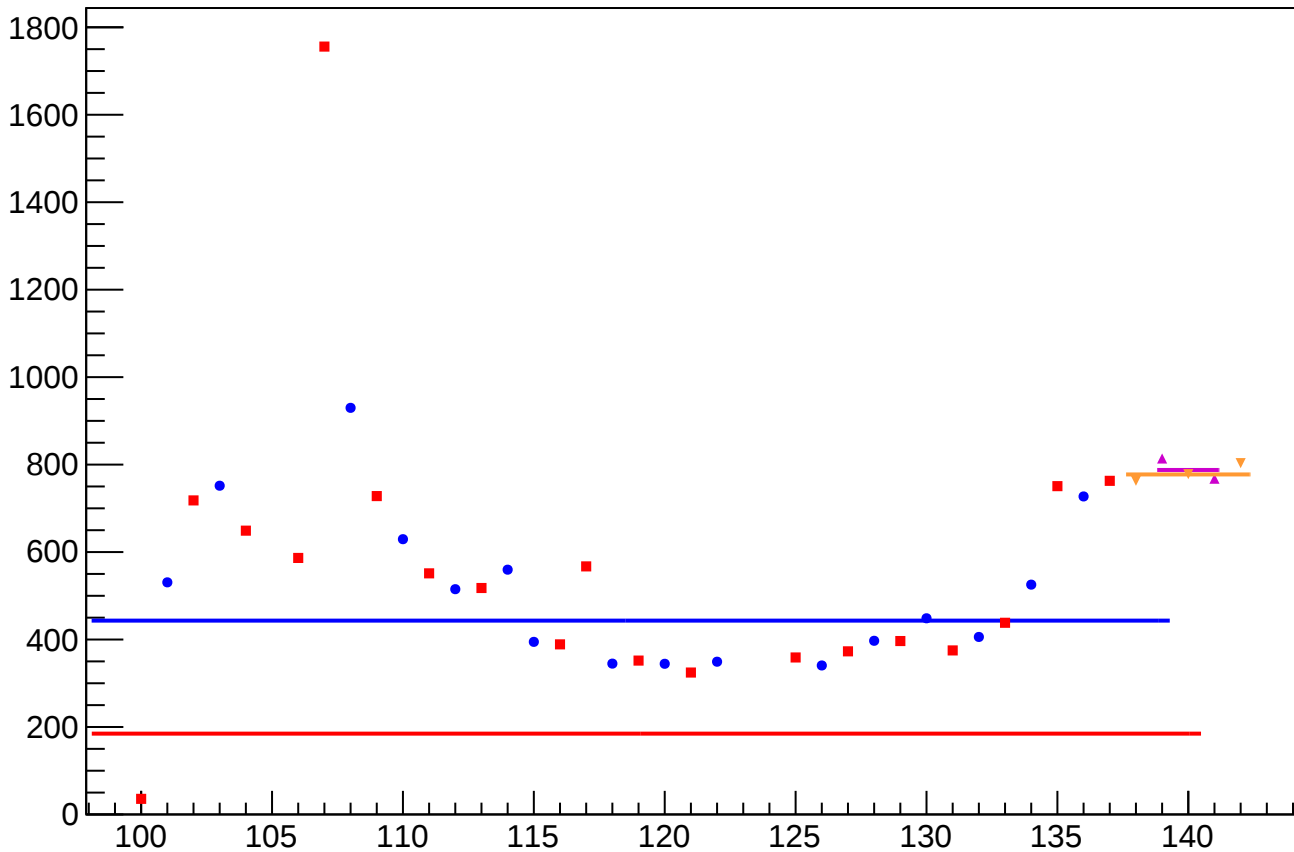
Right Out: 103.328+/-107.623 χ^2 /NDF: 23.3/18

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

-63.070+/-171.302 χ^2 /NDF: 26.1/18

100.301+/-106.096 χ^2 /NDF: 23.6/20

asym_left_dd_correction_rms vs Slug



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

Left Out: 777.498+/-0.395 χ^2/NDF : 1405.2/2

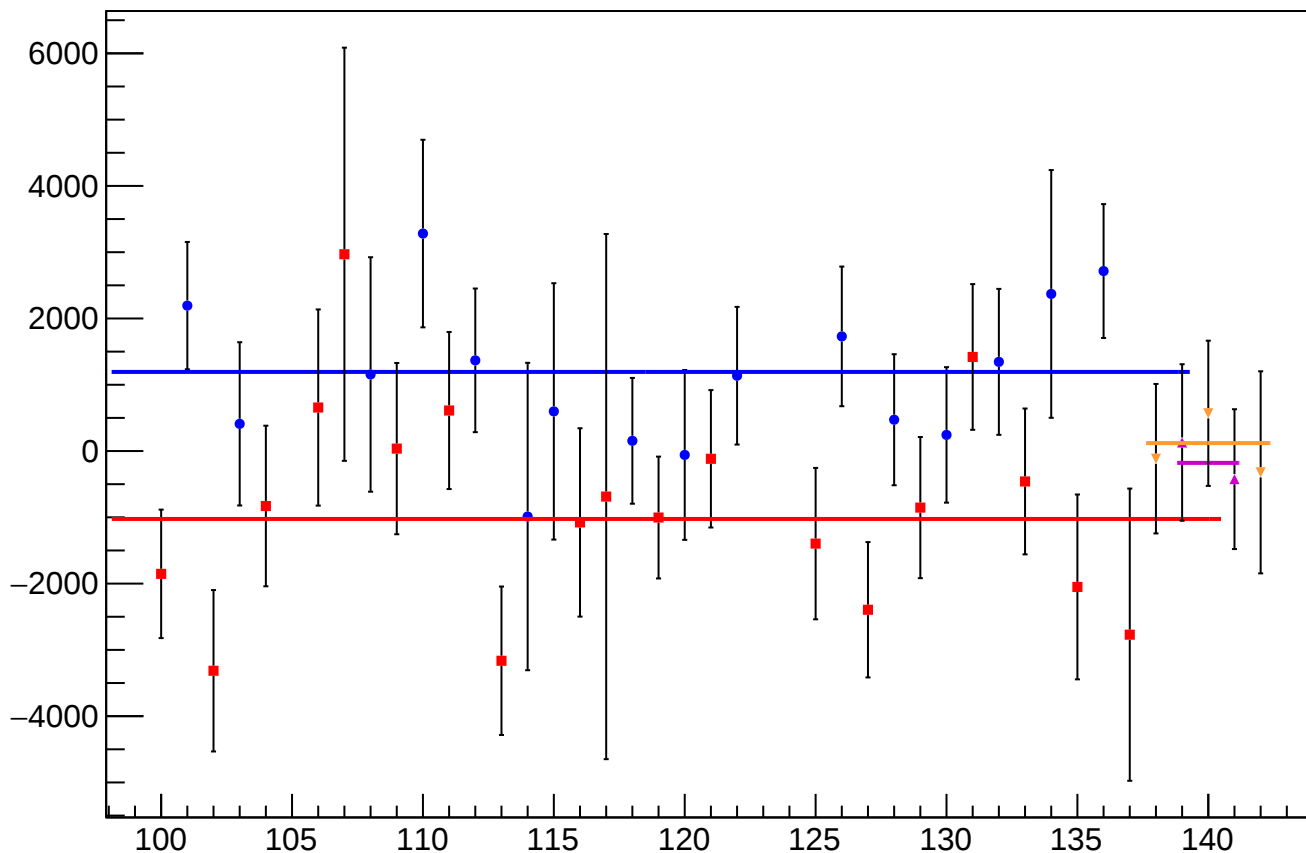
Right Out: 184.814+/-0.076 χ^2/NDF : 8119311.6/18

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

474.733+/-0.121 χ^2/NDF : 1712052.2/18

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

asym_left_dd_mean vs Slug



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

Left Out: 119.849 $\pm$ 698.425 χ^2 /NDF: 0.3/2

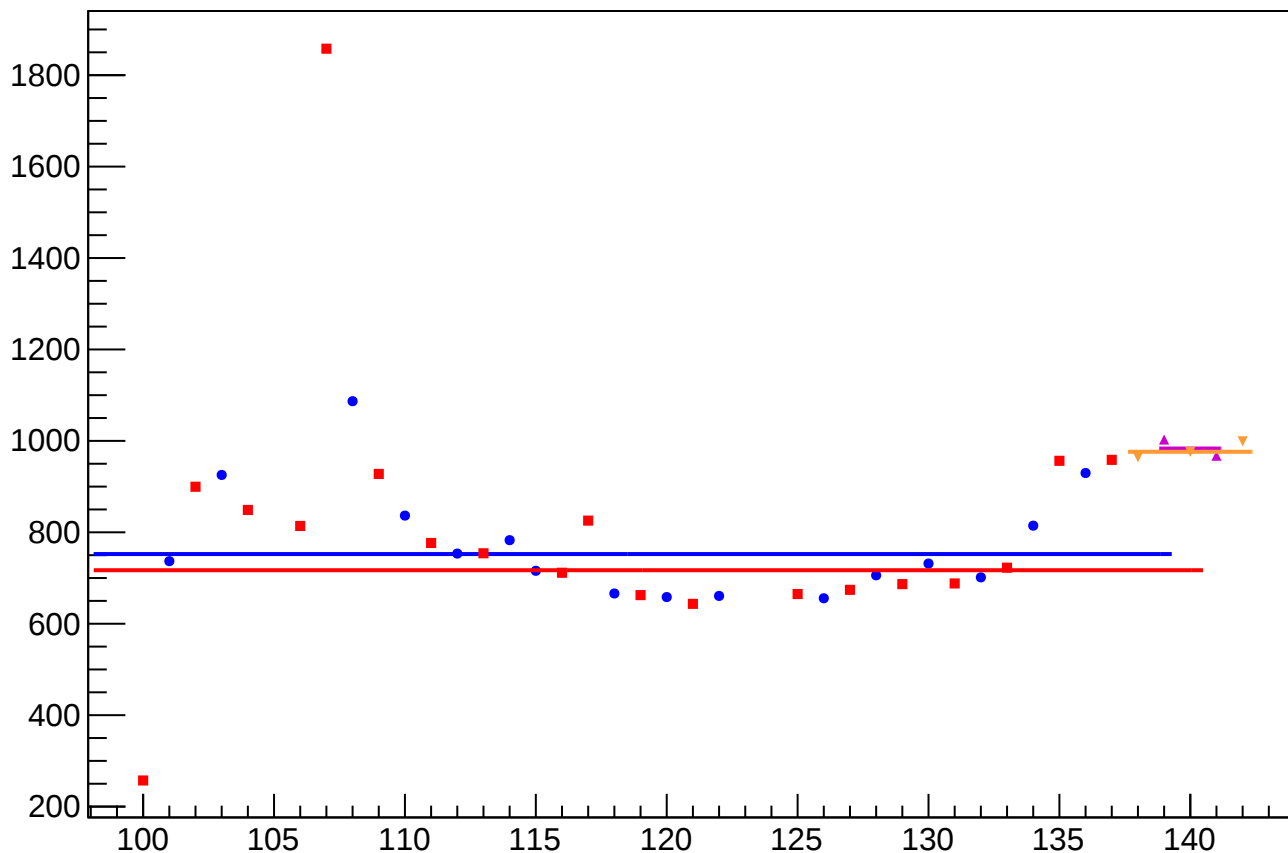
Right Out: -1024.435 $\pm$ 280.119 χ^2 /NDF: 22.5/18

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

1031.208 $\pm$ 271.789 χ^2 /NDF: 13.5/18

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

asym_left_dd_rms vs Slug



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

Left Out: 976.188+/-0.494 χ^2/NDF : 675.8/2

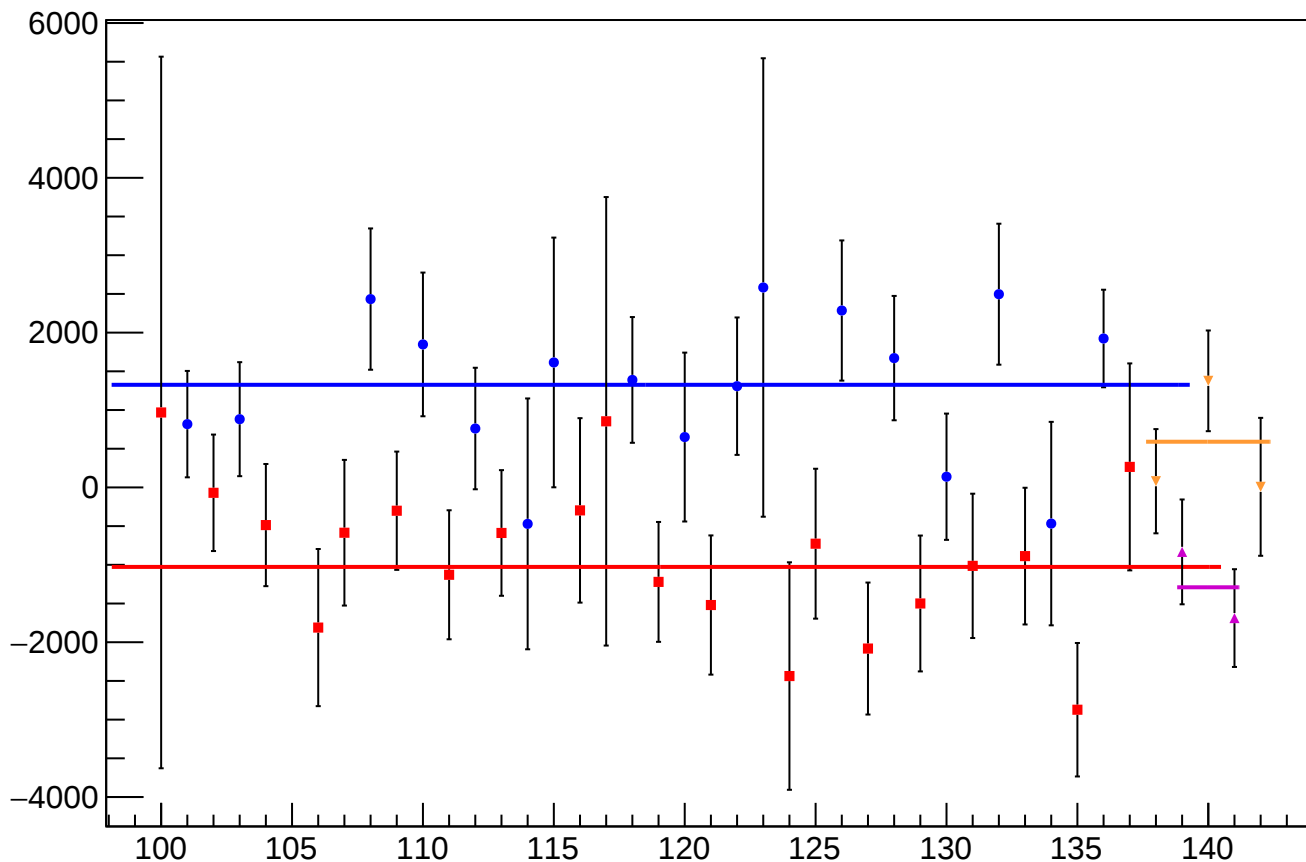
Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

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

786.313+/-0.192 χ^2/NDF : 427577.1/18

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

reg_asym_right_avg_mean vs Slug



Right In: 1325.776 $\pm$ 218.106 χ^2 /NDF: 12.9/16

Left Out: 590.391 $\pm$ 414.223 χ^2 /NDF: 2.5/2

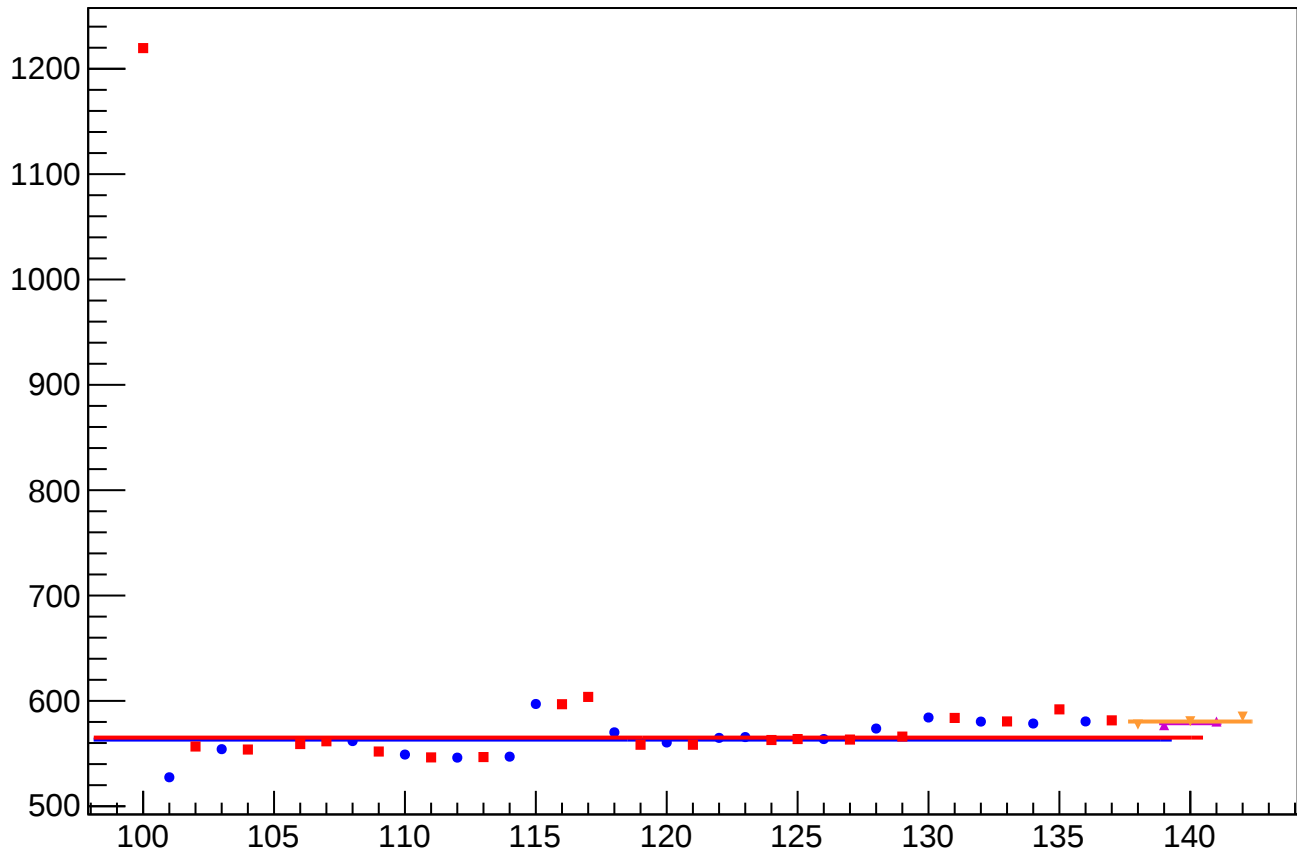
Right Out: -1026.996 $\pm$ 211.021 χ^2 /NDF: 13.8/19

Left In: -1290.273 $\pm$ 461.832 χ^2 /NDF: 0.9/1

1166.149 $\pm$ 192.988 χ^2 /NDF: 17.8/19

-1072.469 $\pm$ 191.934 χ^2 /NDF: 15.0/21

reg_asym_right_avg_rms vs Slug



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

Left Out: 580.410+/-0.293 χ^2/NDF : 93.3/2

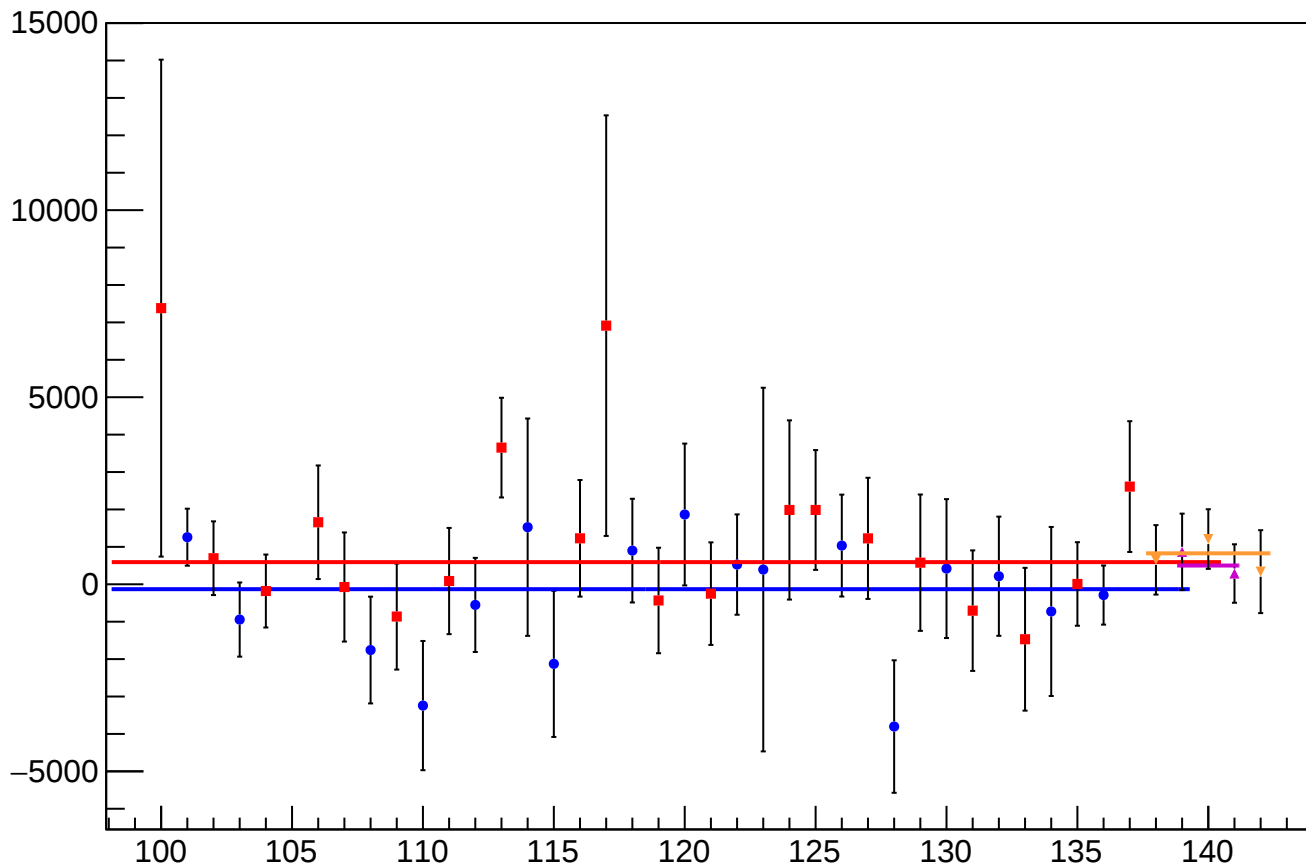
Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

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

566.987+/-0.136 χ^2/NDF : 15296.0/19

567.506+/-0.136 χ^2/NDF : 51124.7/21

asym_right_avg_correction_mean vs Slug



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

Left Out: 827.352+/-530.799 χ^2/NDF : 0.5/2

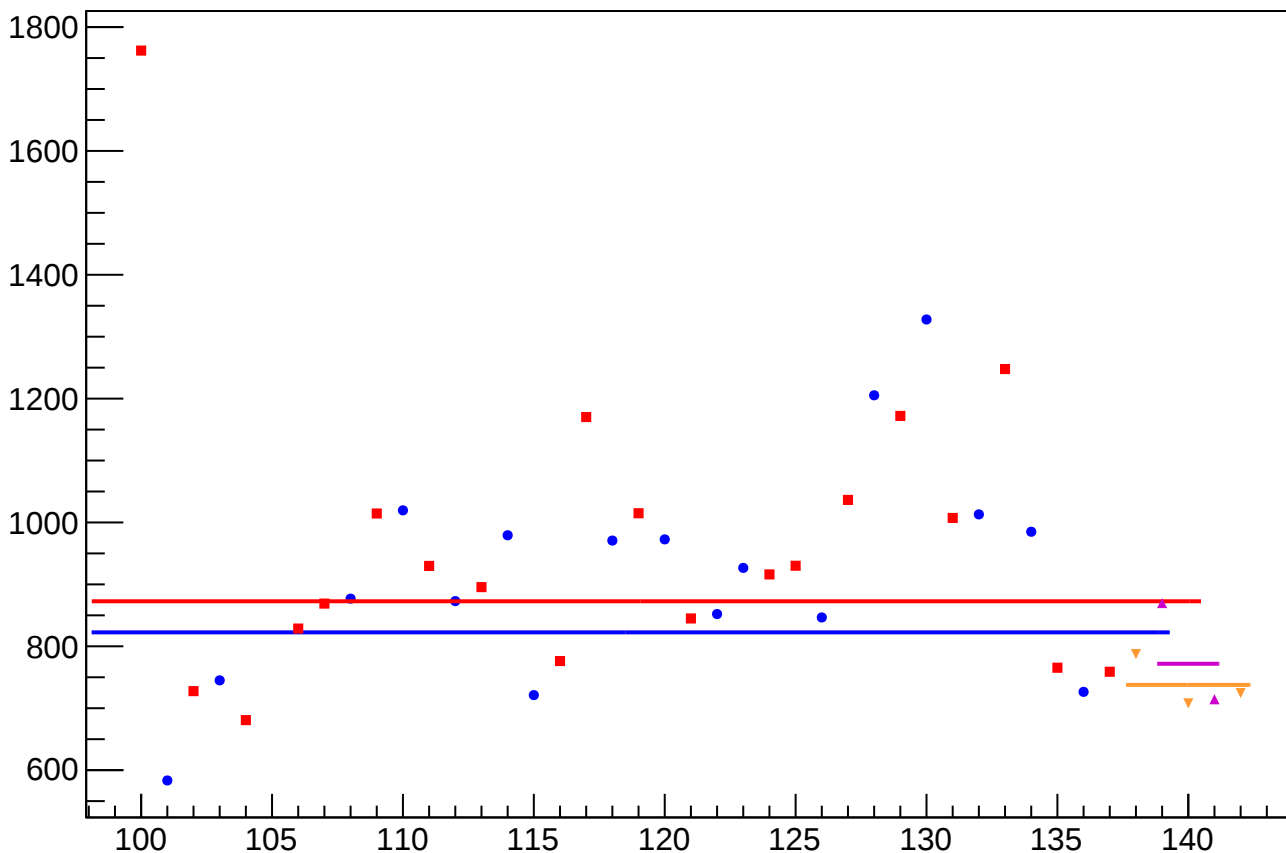
Right Out: 591.948+/-331.825 χ^2/NDF : 15.9/19

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

133.269+/-278.772 χ^2/NDF : 20.0/19

571.760+/-292.627 χ^2/NDF : 16.1/21

asym_right_avg_correction_rms vs Slug



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

Left Out: 737.693 ± 0.375 χ^2/NDF : 8823.4/2

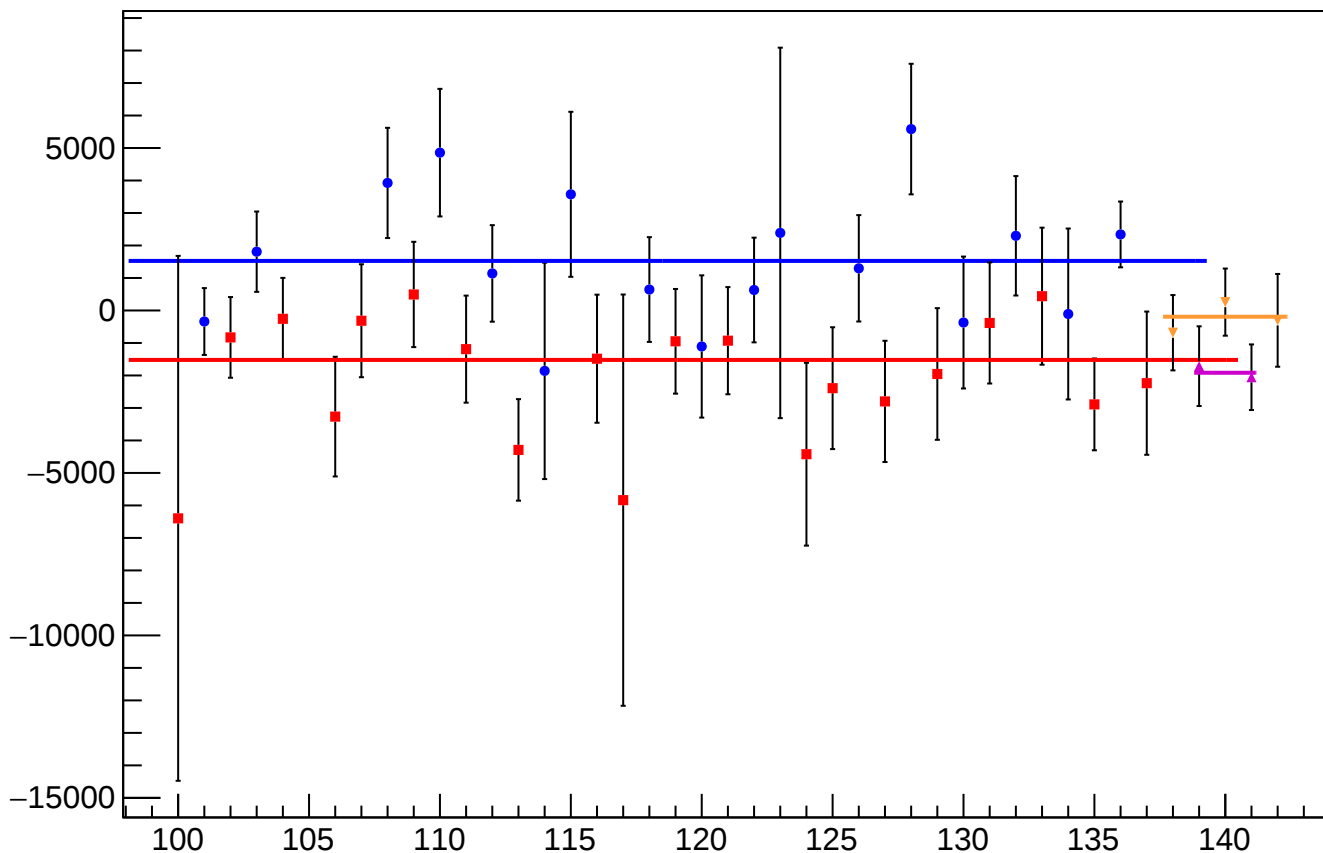
Right Out: 872.719 ± 0.235 χ^2/NDF : 412481.2/19

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

799.127 ± 0.197 χ^2/NDF : 646774.8/19

850.285 ± 0.207 χ^2/NDF : 482771.7/21

asym_right_avg_mean vs Slug



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

Left Out: -192.217 ± 678.519 χ^2/NDF : 0.4/2

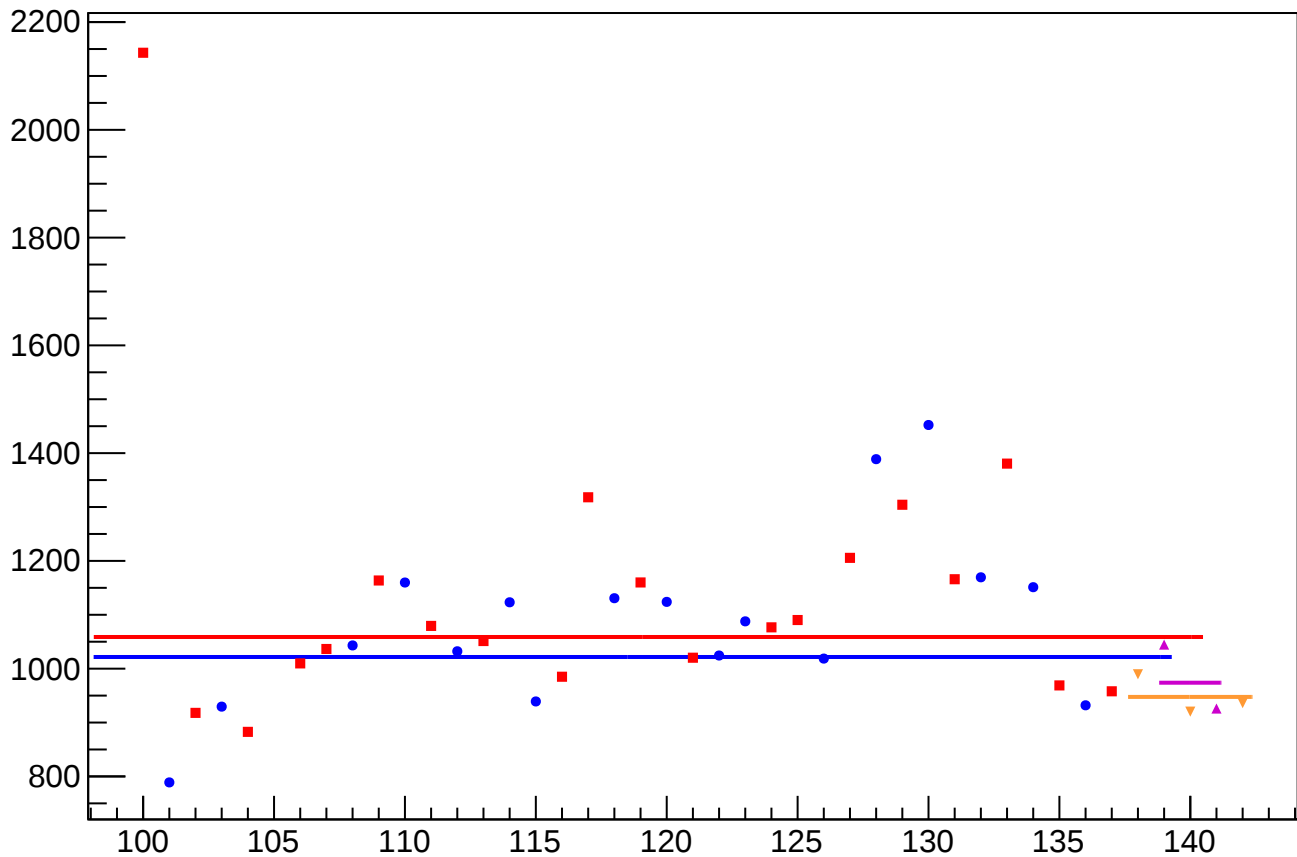
Right Out: -1521.641 ± 399.157 χ^2/NDF : 12.6/19

Left In: -1916.707 ± 779.444 χ^2/NDF : 0.0/1

1079.541 ± 345.718 χ^2/NDF : 23.4/19

-1603.722 ± 355.280 χ^2/NDF : 12.8/21

asym_right_avg_rms vs Slug



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

Left Out: 947.568+/-0.480 χ^2/NDF : 4158.4/2

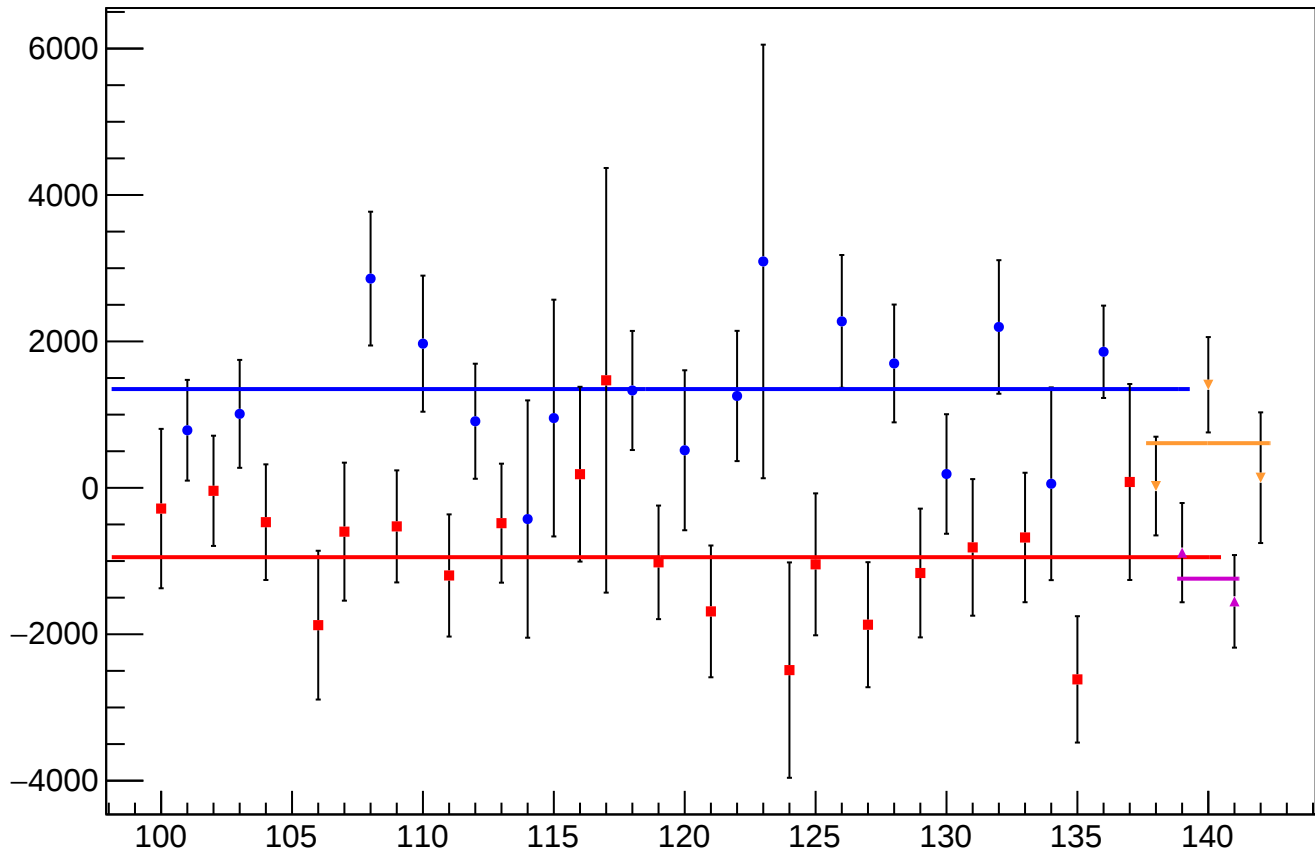
Right Out: 1058.783+/-0.282 χ^2/NDF : 234314.8/19

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

1002.428+/-0.244 χ^2/NDF : 353766.8/19

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

reg_asym_right_dd_mean vs Slug



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

Left Out: 610.167 $\pm$ 414.724 χ^2 /NDF: 2.5/2

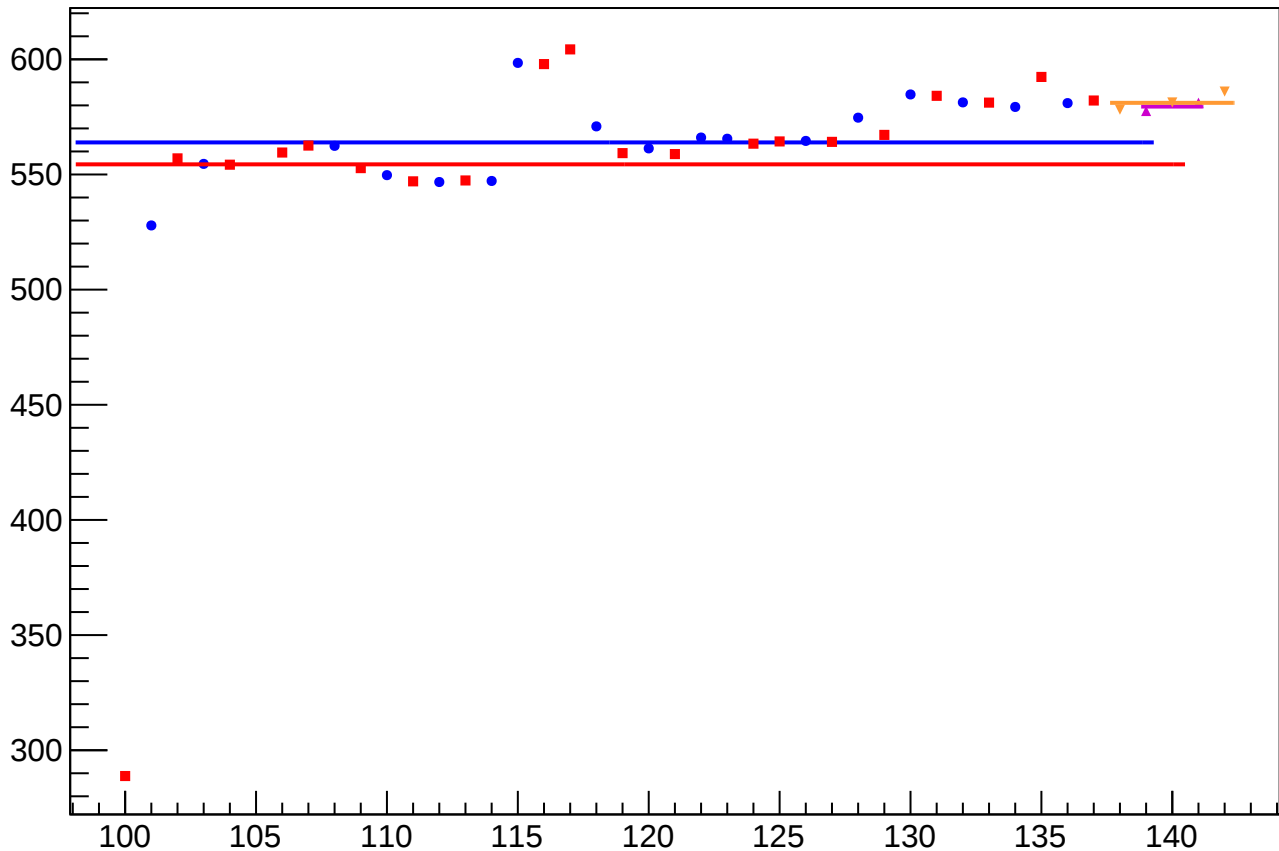
Right Out: -947.051 $\pm$ 207.609 χ^2 /NDF: 12.9/19

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

1188.756 $\pm$ 193.216 χ^2 /NDF: 17.3/19

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

reg_asym_right_dd_rms vs Slug



Right In: 563.922+/-0.154 χ^2/NDF : 12663.1/16

Left Out: 581.111+/-0.293 χ^2/NDF :99.3/2

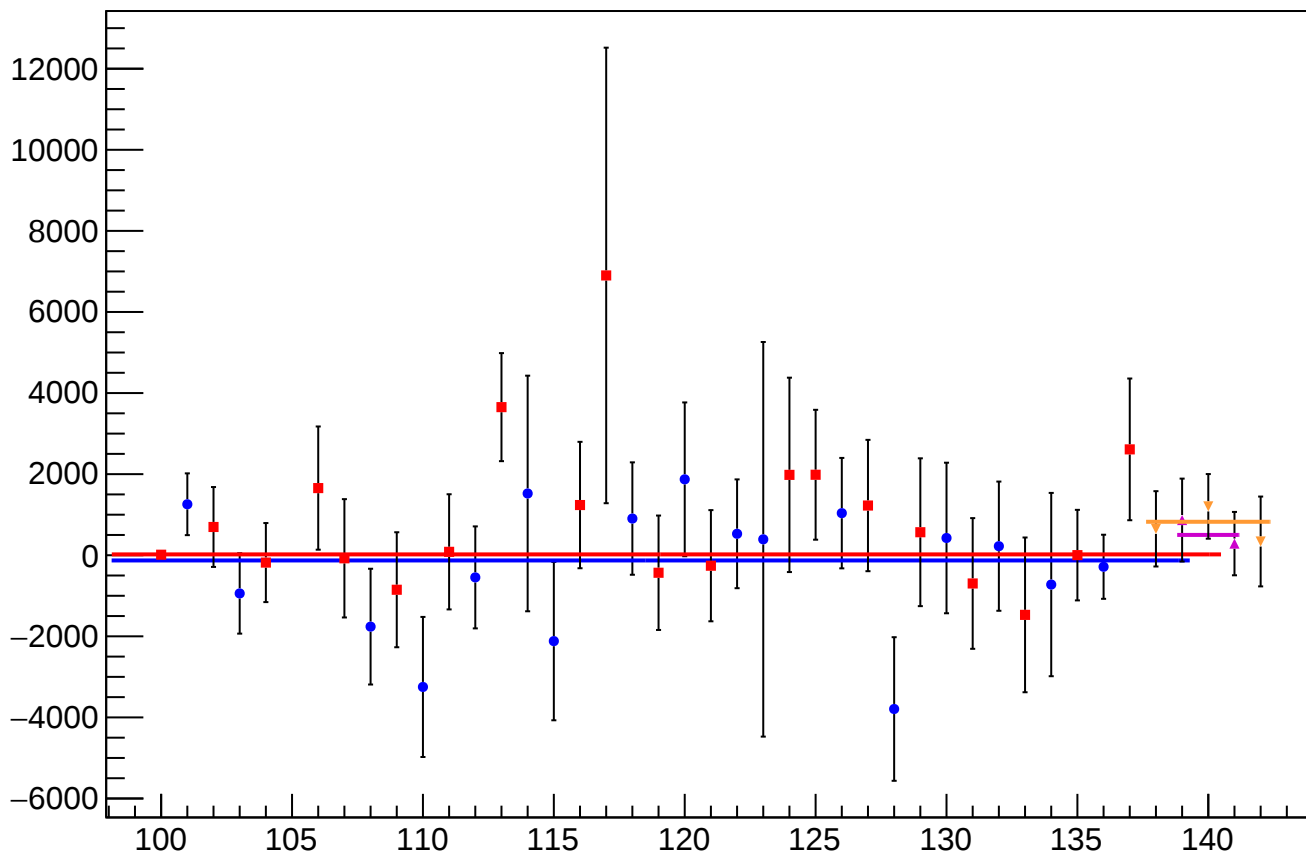
Right Out: 554.402+/-0.147 χ^2/NDF : 132560.6/19

Left In: 579.491+/-0.327 χ^2/NDF :30.4/1

567.653+/-0.137 χ^2/NDF : 15452.2/19

558.611+/-0.134 χ^2/NDF : 137491.5/21

asym_right_dd_correction_mean vs Slug



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

Left Out: 825.353 ± 530.945 χ^2/NDF : 0.5/2

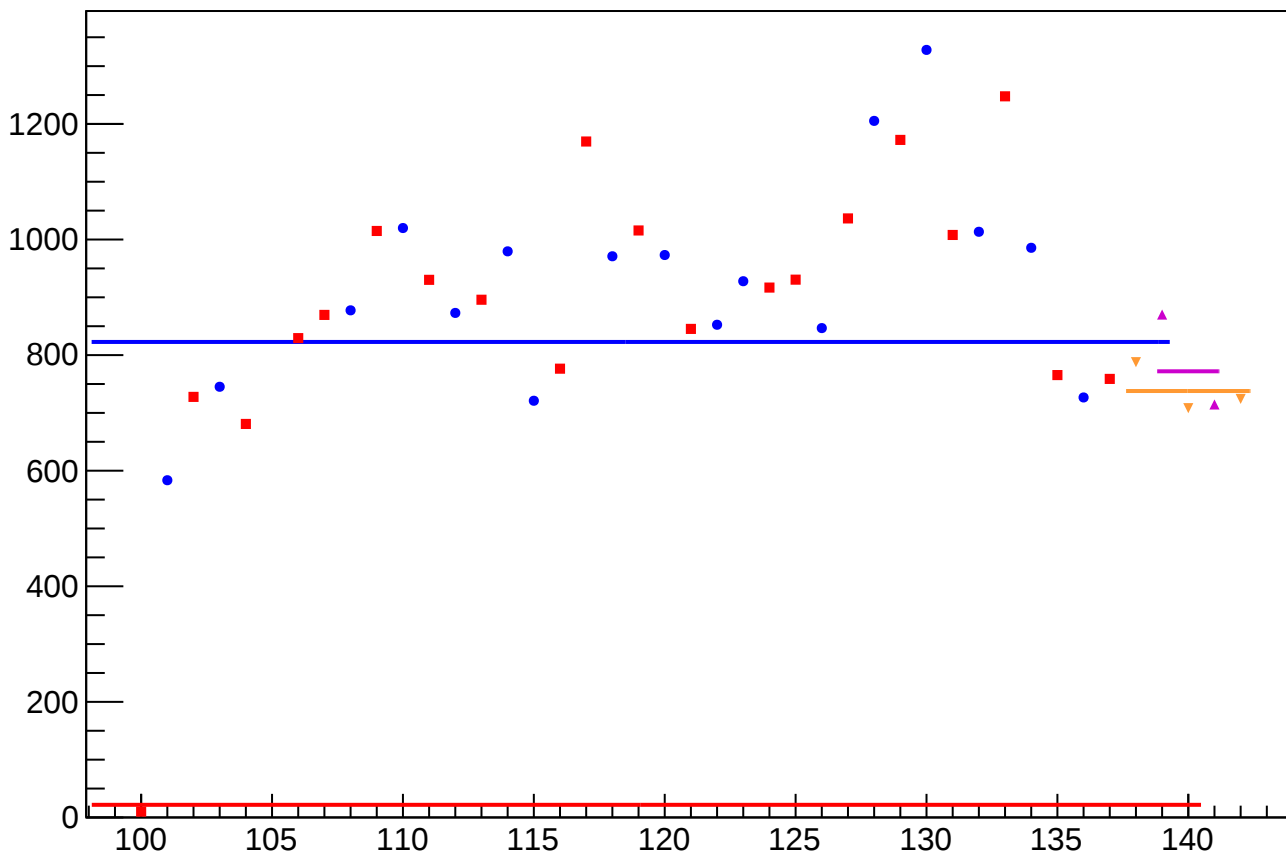
Right Out: 20.715 ± 38.953 χ^2/NDF : 17.6/19

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

134.447 ± 278.855 χ^2/NDF : 20.0/19

22.598 ± 38.877 χ^2/NDF : 18.4/21

asym_right_dd_correction_rms vs Slug



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

Left Out: 737.876 $\pm$ 0.375 χ^2 /NDF:8845.5/2

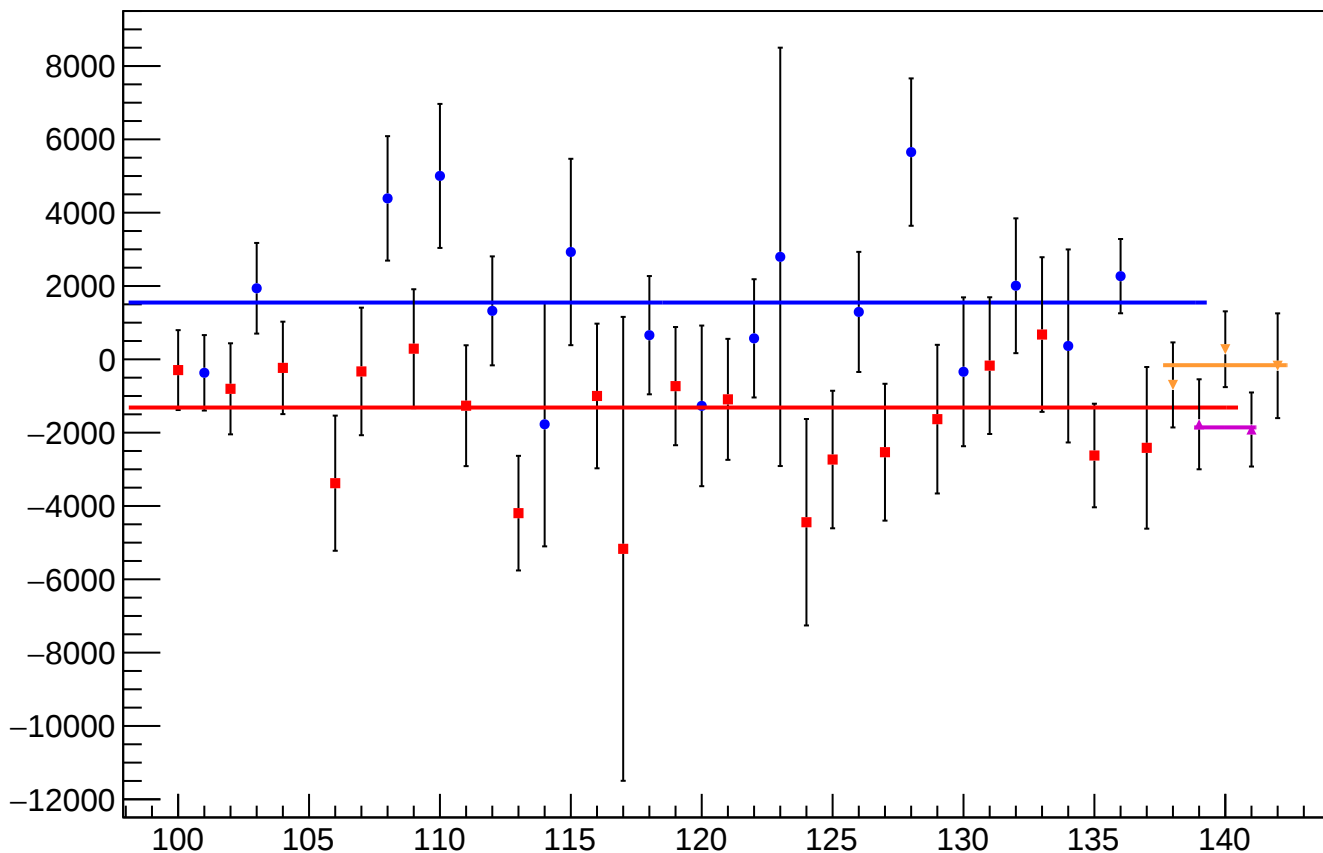
Right Out: 21.867 $\pm$ 0.028 χ^2 /NDF: 13607091.0/19

Left In: 771.984 $\pm$ 0.439 χ^2 /NDF:29244.6/1

799.360 $\pm$ 0.197 χ^2 /NDF: 646755.4/19

24.809 $\pm$ 0.027 χ^2 /NDF: 16544761.9/21

asym_right_dd_mean vs Slug



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

Left Out: -159.738 ± 678.964 χ^2/NDF : 0.4/2

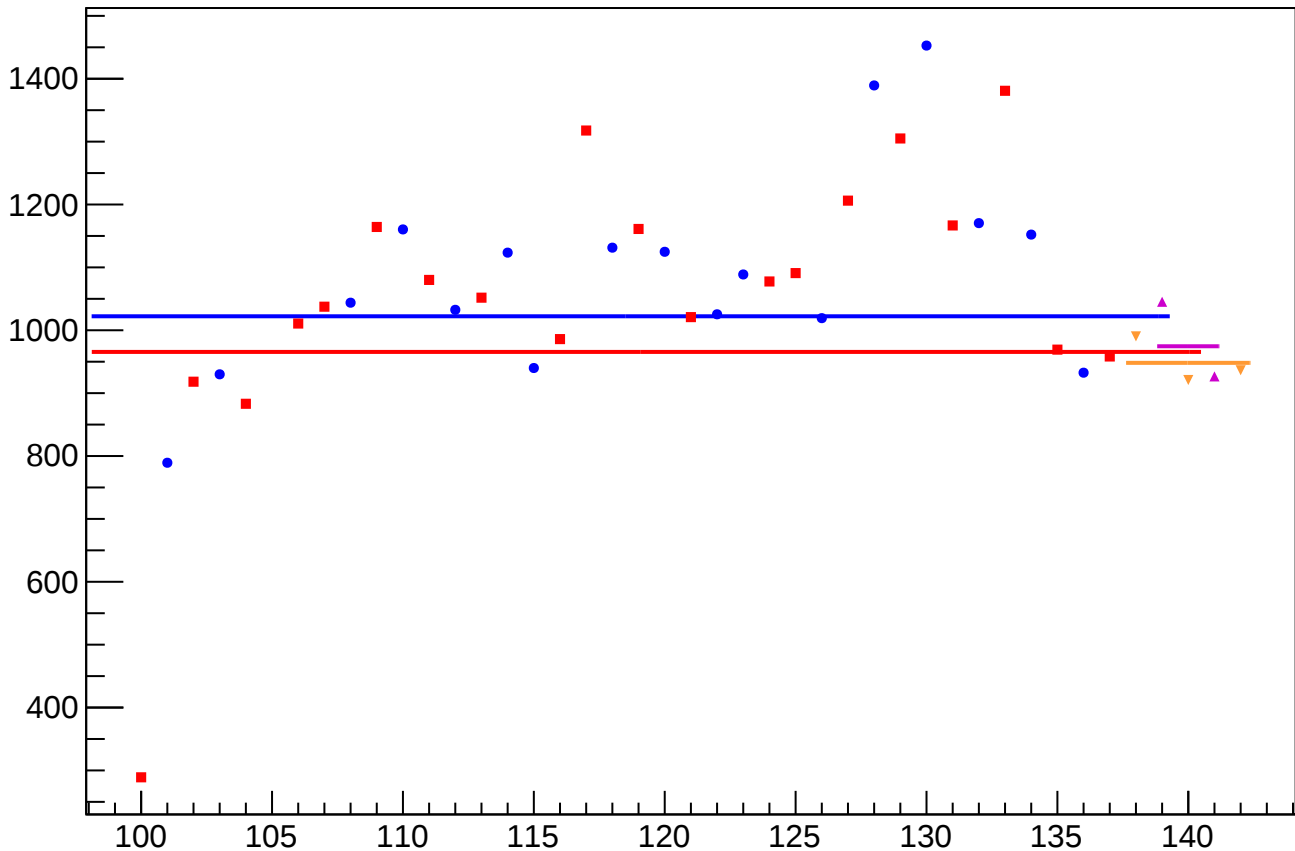
Right Out: -1314.562 ± 375.381 χ^2/NDF : 12.9/19

Left In: -1856.438 ± 779.954 χ^2/NDF : 0.0/1

1105.364 ± 345.920 χ^2/NDF : 24.1/19

-1416.474 ± 338.244 χ^2/NDF : 13.3/21

asym_right_dd_rms vs Slug



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

Left Out: 948.181+/-0.480 χ^2/NDF : 4164.1/2

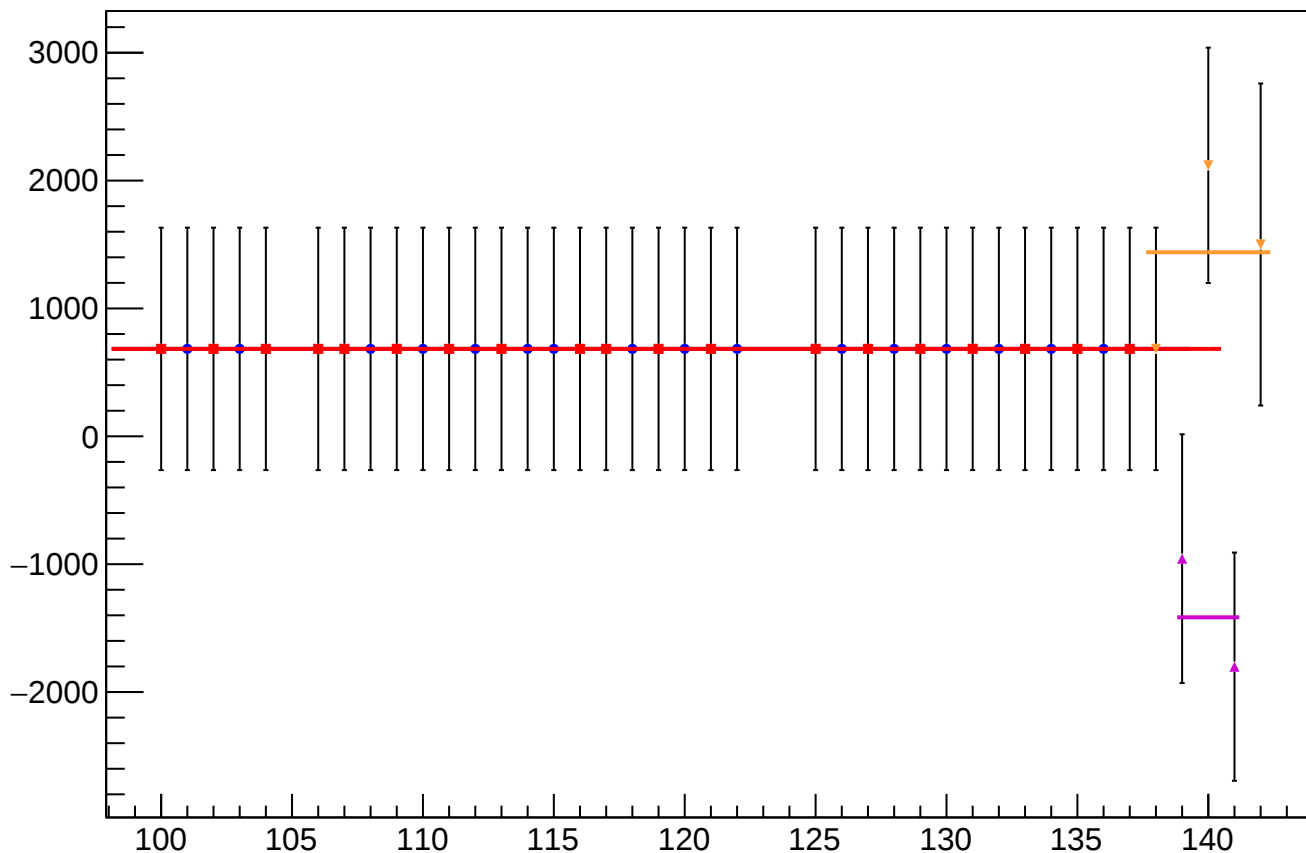
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

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

1003.017+/-0.245 χ^2/NDF : 353649.3/19

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

cor_asym_us_avg_mean vs Slug



Right In: 683.821+/-237.011 χ^2/NDF : 0.0/15

Left Out: 1439.375+/-584.844 χ^2/NDF : 1.2/2

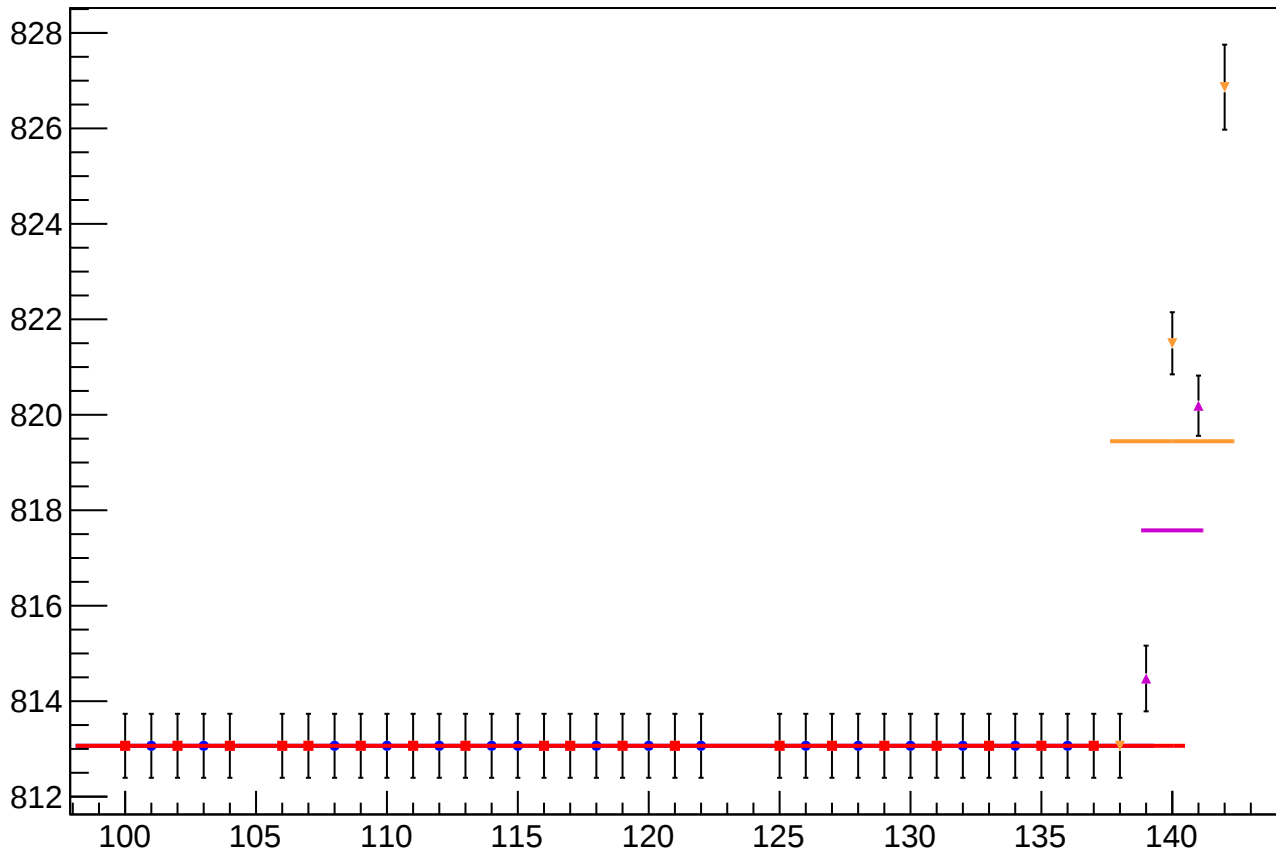
Right Out: 683.821+/-217.496 χ^2/NDF : 0.0/18

Left In: -1415.661+/-657.662 χ^2/NDF : 0.4/1

790.403+/-219.659 χ^2/NDF : 2.6/18

476.839+/-206.497 χ^2/NDF : 9.6/20

cor_asym_us_avg_rms vs Slug



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

Left Out: 819.446 $\pm$ 0.414 χ^2/NDF : 169.9/2

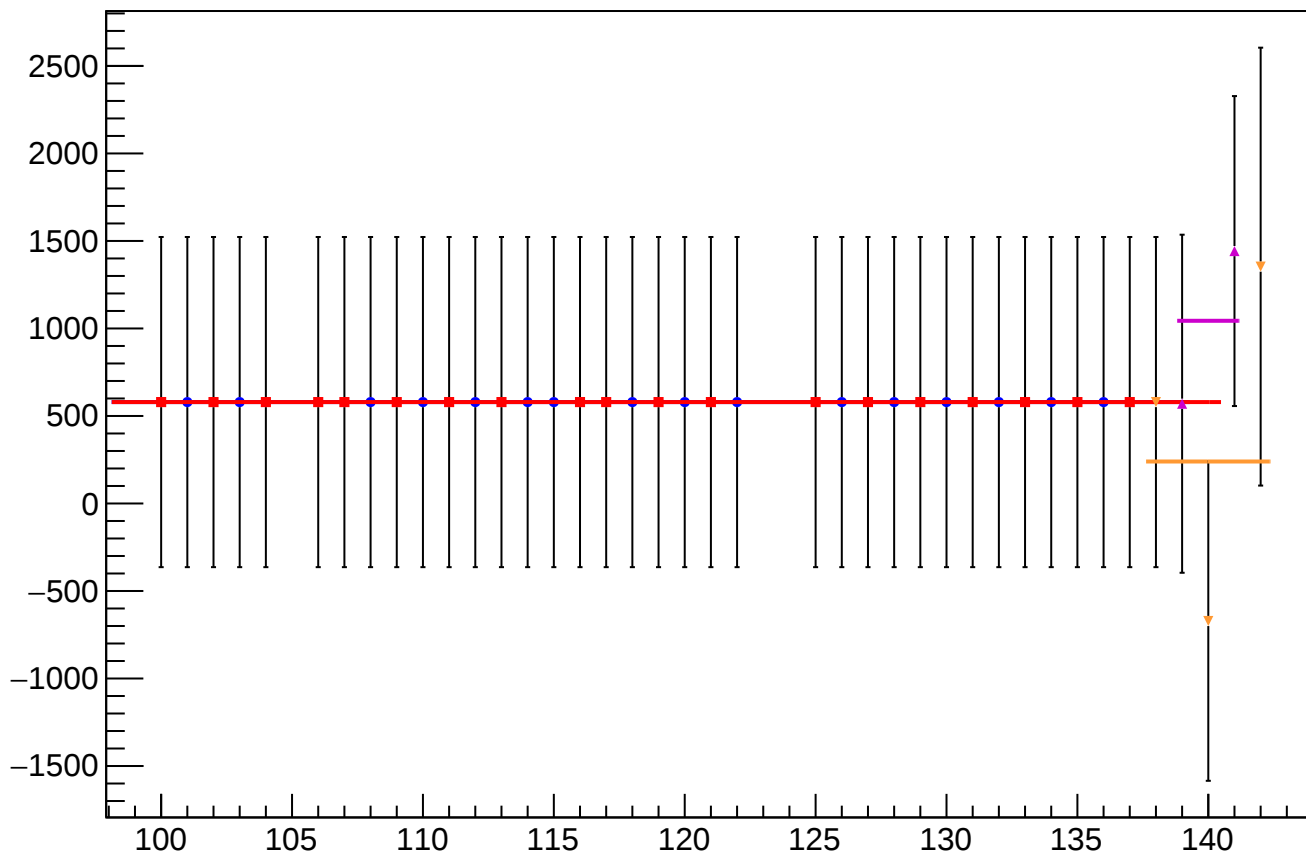
Right Out: 813.065 $\pm$ 0.154 χ^2/NDF : 0.0/18

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

813.966 $\pm$ 0.155 χ^2/NDF : 374.4/18

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

cor_asym_us_dd_mean vs Slug



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

Left Out: 239.858 $\pm$ 581.001 χ^2/NDF : 1.9/2

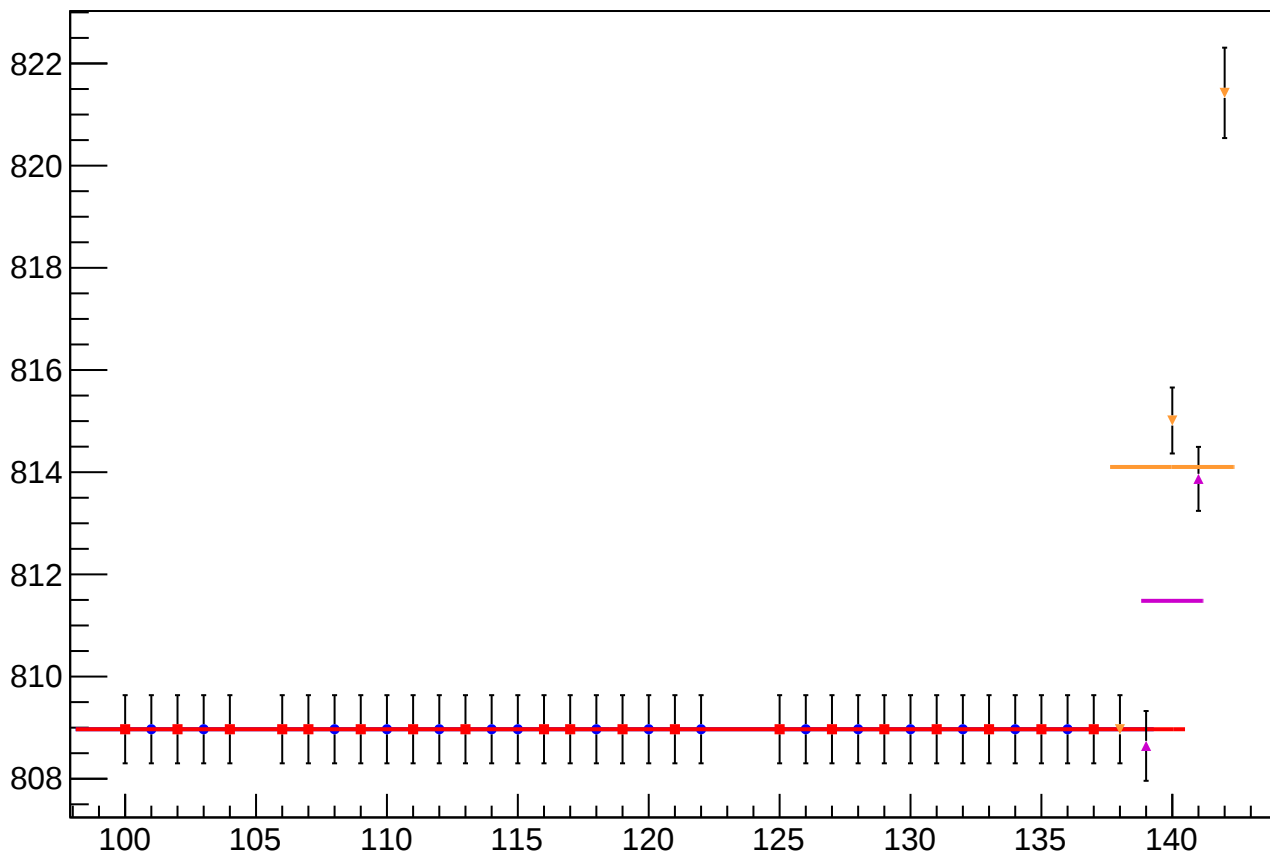
Right Out: 579.419 $\pm$ 216.396 χ^2/NDF : 0.0/18

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

531.394 $\pm$ 218.501 χ^2/NDF : 2.2/18

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

cor_asym_us_dd_rms vs Slug



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

Left Out: 814.102 $\pm$ 0.411 χ^2 /NDF:129.7/2

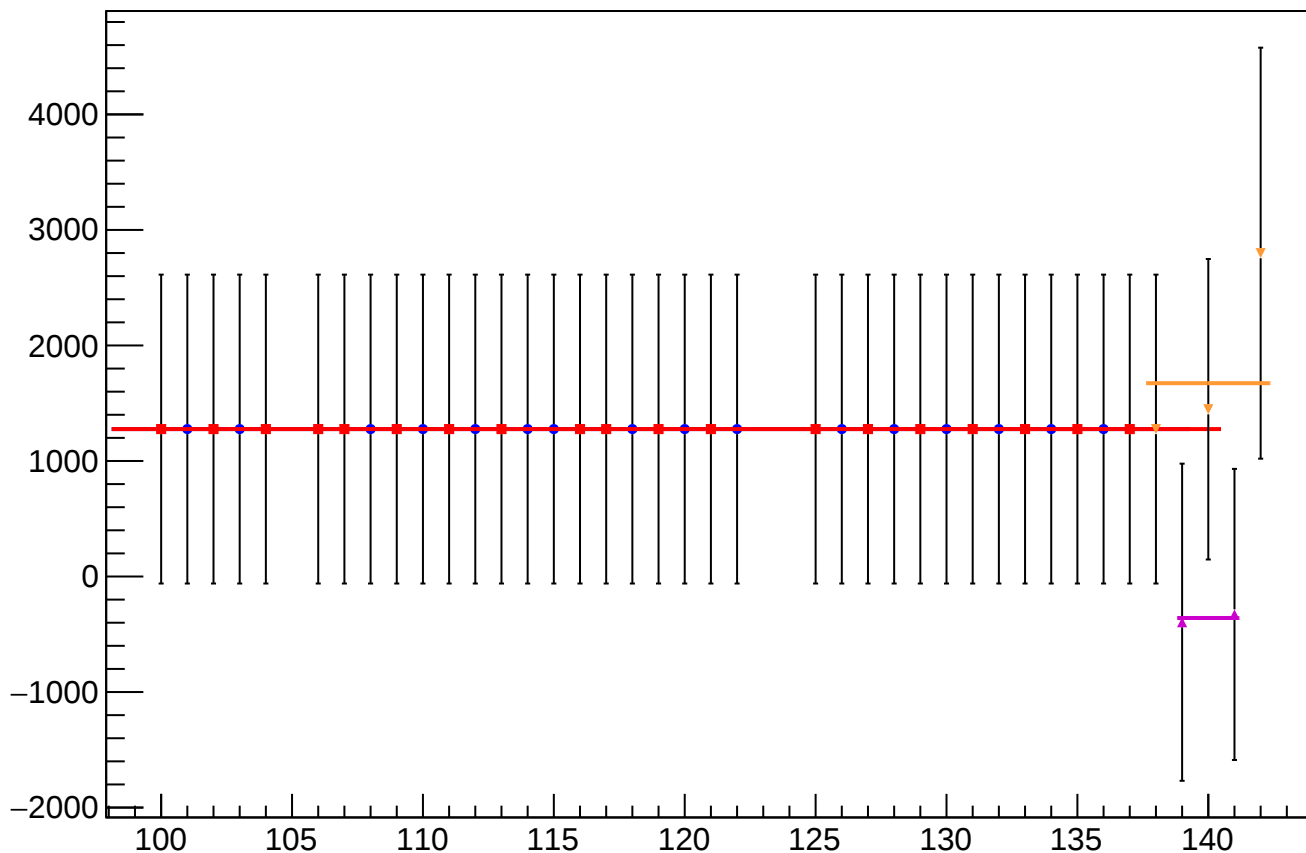
Right Out: 808.969 $\pm$ 0.153 χ^2 /NDF: 0.0/18

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

809.695 $\pm$ 0.155 χ^2 /NDF: 263.8/18

809.218 $\pm$ 0.145 χ^2 /NDF: 58.5/20

cor_asym_usl_mean vs Slug



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

Left Out: 1673.424+/-825.692 χ^2/NDF : 0.5/2

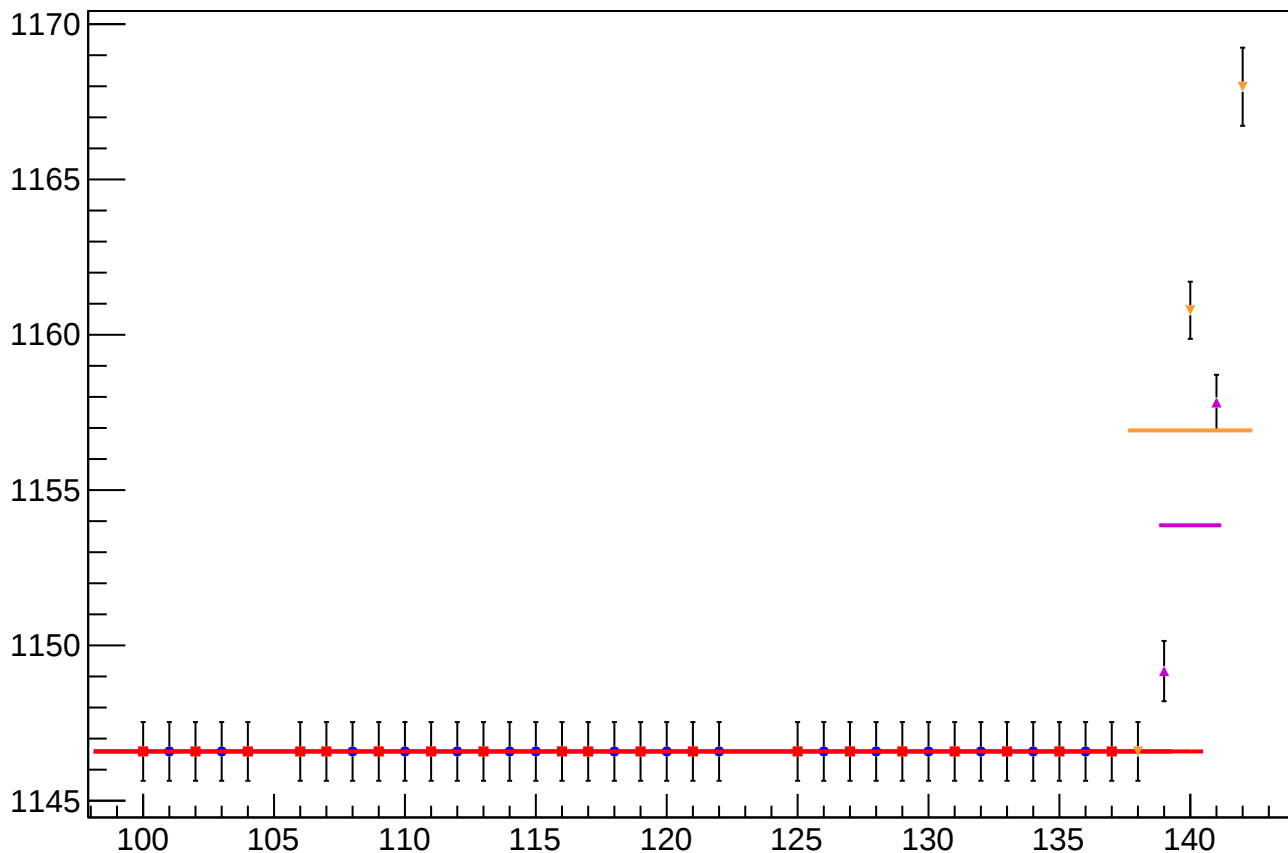
Right Out: 1276.244+/-306.710 χ^2/NDF : 0.0/18

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

1332.161+/-309.810 χ^2/NDF : 0.7/18

1115.245+/-291.221 χ^2/NDF : 2.8/20

cor_asym_usl_rms vs Slug



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

Left Out: 1156.922 $\pm$ 0.584 χ^2/NDF :214.6/2

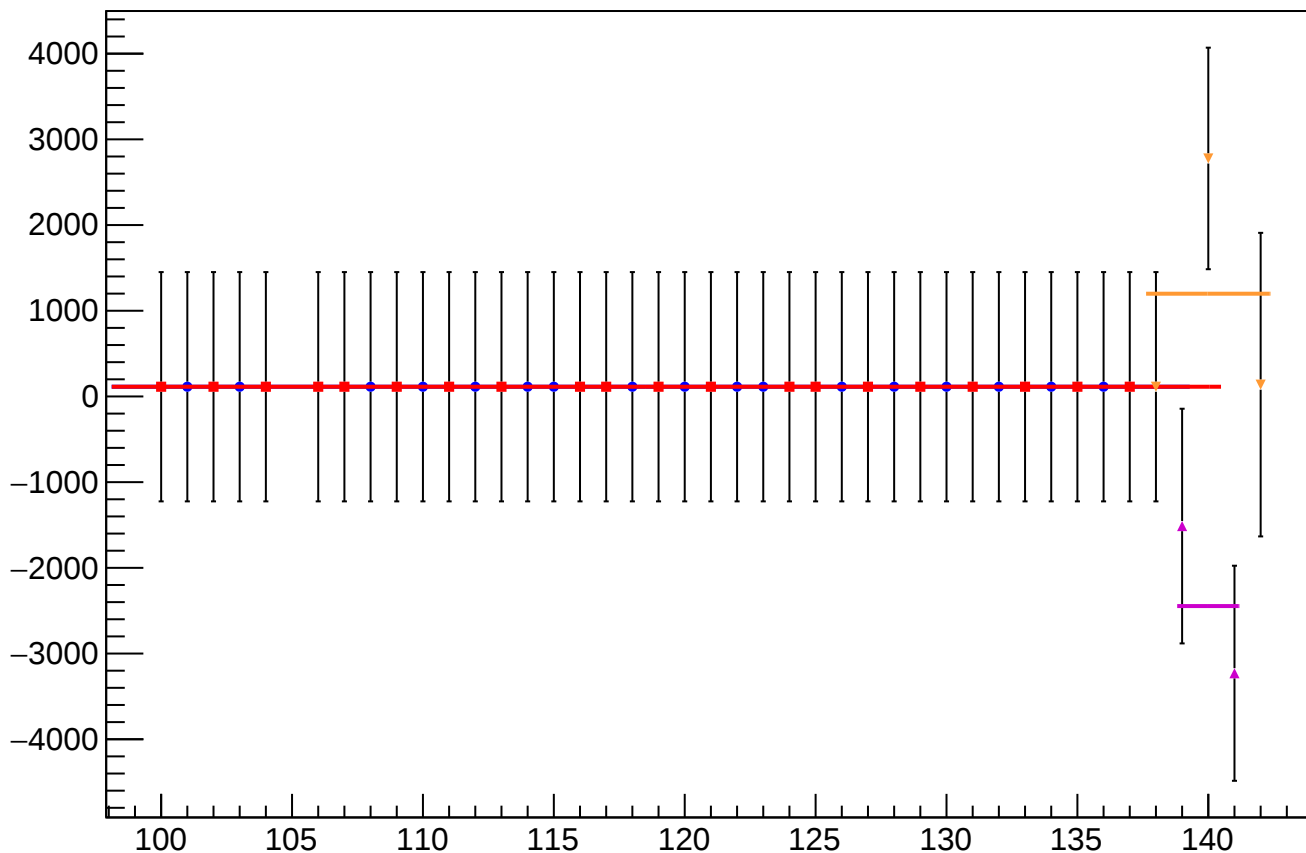
Right Out: 1146.587 $\pm$ 0.217 χ^2/NDF : 0.0/18

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

1148.042 $\pm$ 0.219 χ^2/NDF : 483.8/18

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

cor_asym_usr_mean vs Slug



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

Left Out: 1198.880+/-823.095 χ^2/NDF : 2.5/2

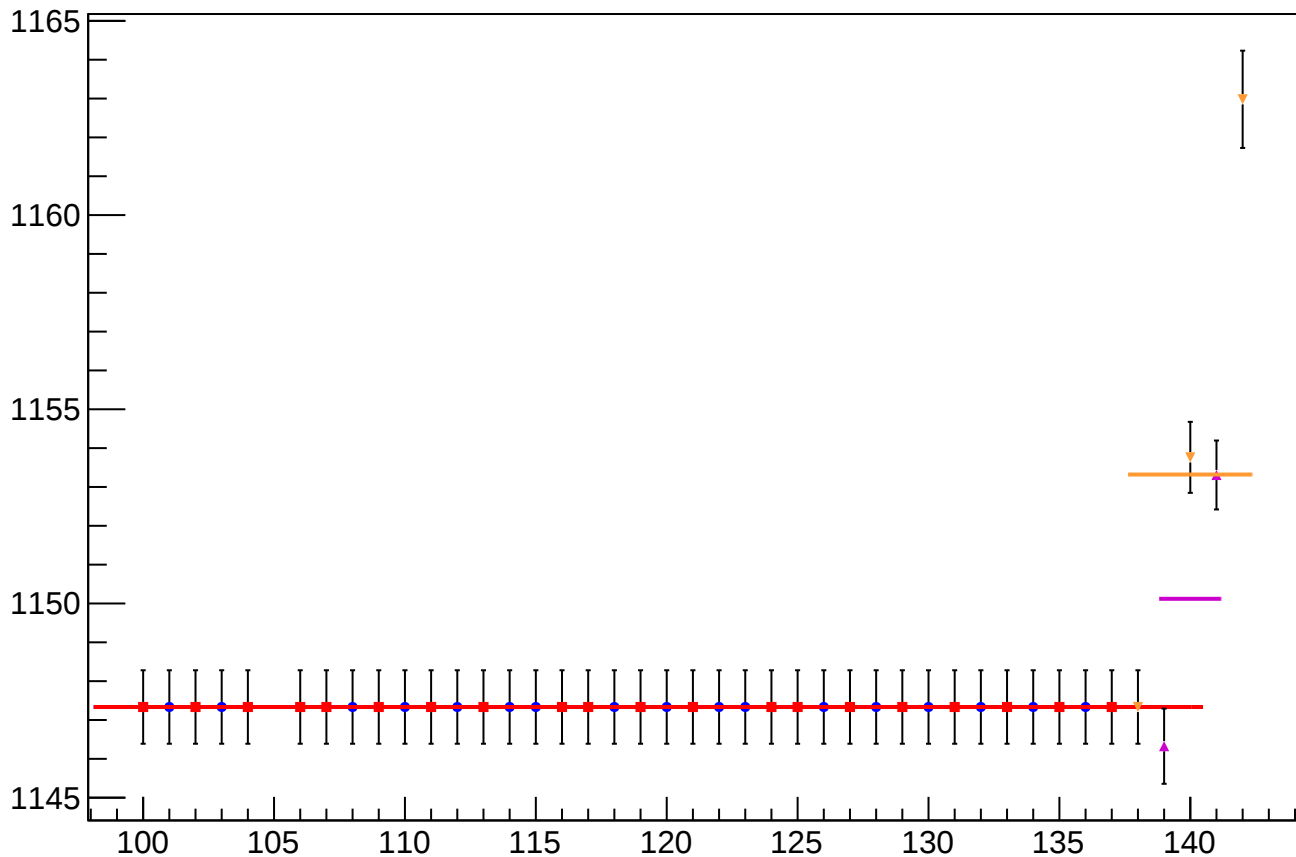
Right Out: 113.423+/-299.140 χ^2/NDF : 0.0/19

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

259.409+/-301.856 χ^2/NDF : 4.0/19

-128.844+/-284.629 χ^2/NDF : 7.8/21

cor_asym_usr_rms vs Slug



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

Left Out: 1153.320 $\pm$ 0.582 χ^2/NDF : 99.8/2

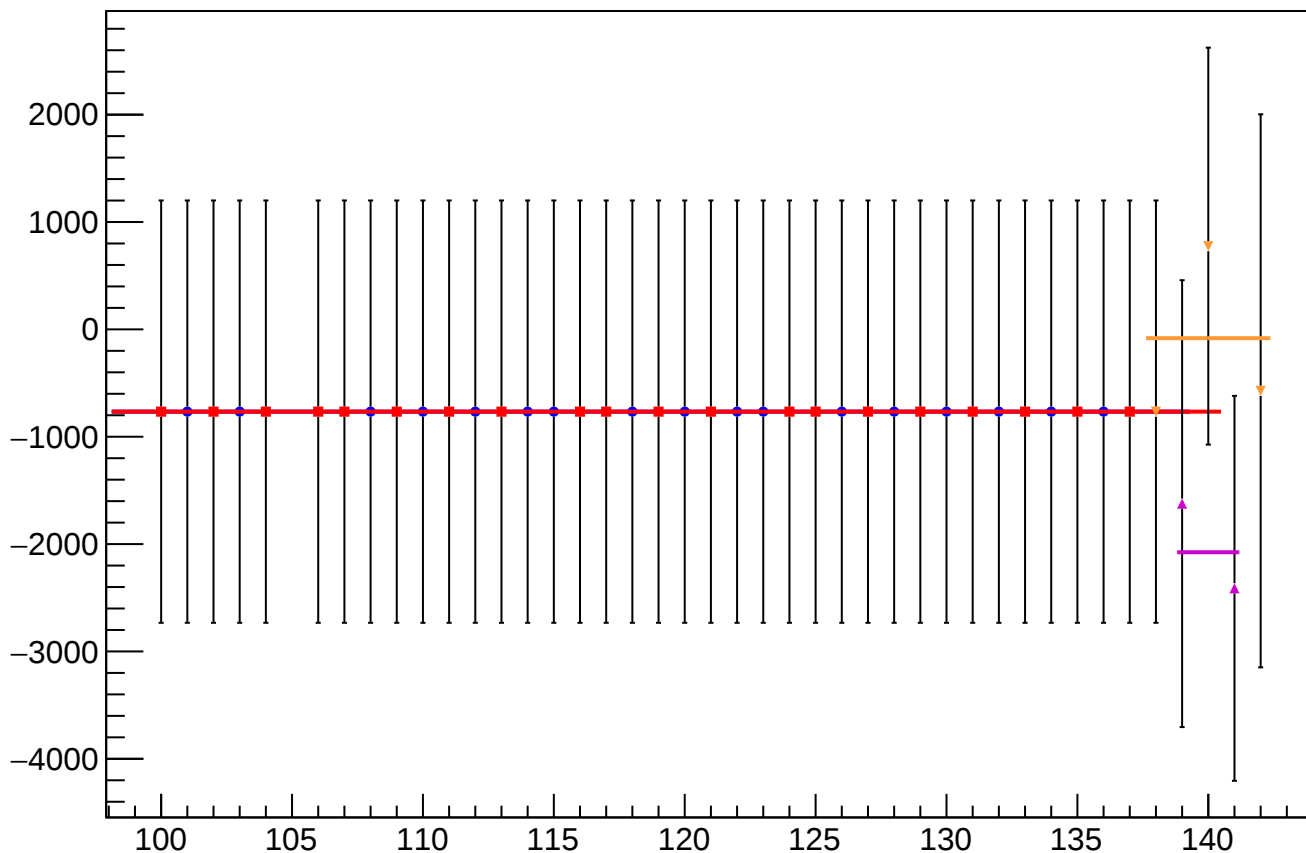
Right Out: 1147.335 $\pm$ 0.212 χ^2/NDF : 0.0/19

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

1148.140 $\pm$ 0.213 χ^2/NDF : 191.3/19

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

asym_us_agg_avg_mean vs Slug



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

Left Out: -81.974+/-1193.718 χ^2/NDF : 0.4/2

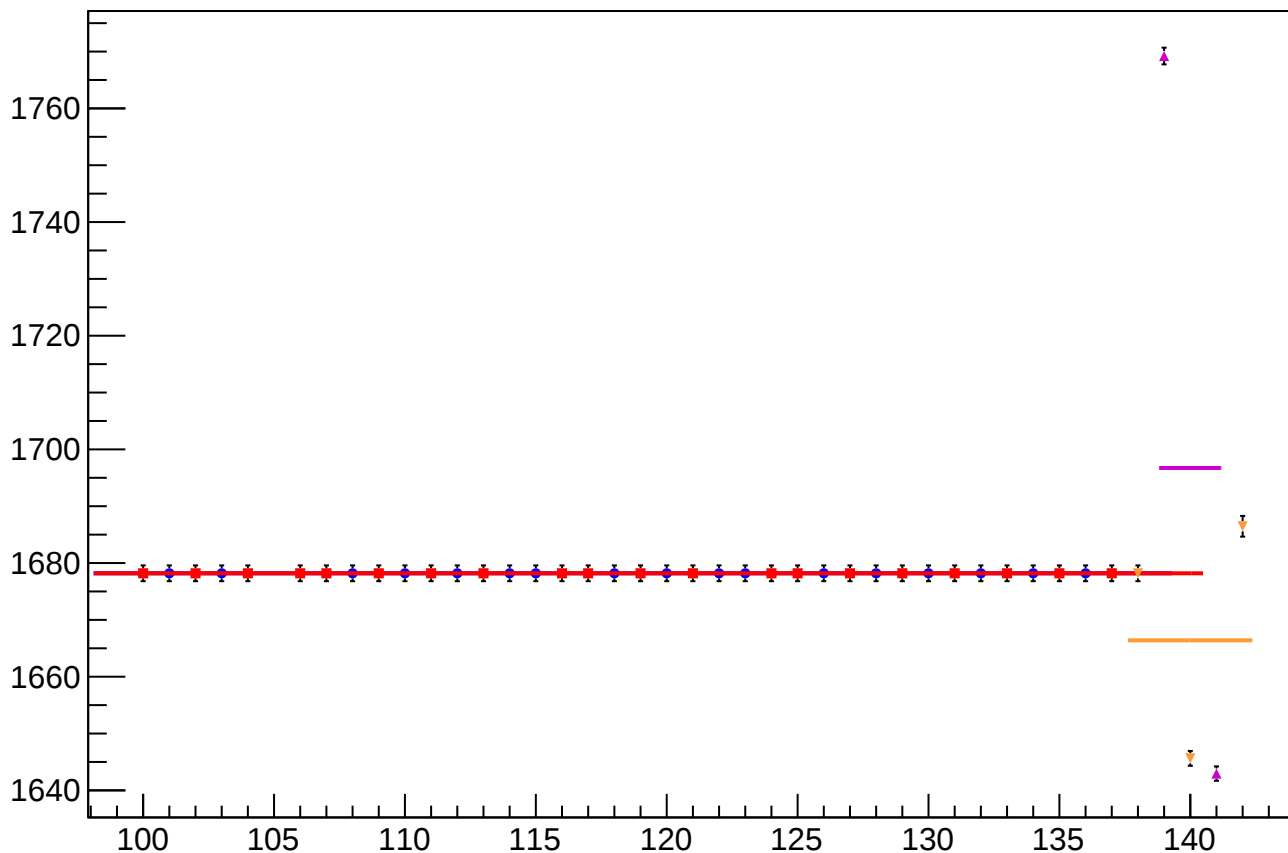
Right Out: -766.254+/-439.835 χ^2/NDF : 0.0/19

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

-672.014+/-443.000 χ^2/NDF : 0.7/19

-890.565+/-418.444 χ^2/NDF : 0.9/21

asym_us_agg_avg_rms vs Slug



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

Left Out: 1666.396+/-0.844 χ^2/NDF :445.7/2

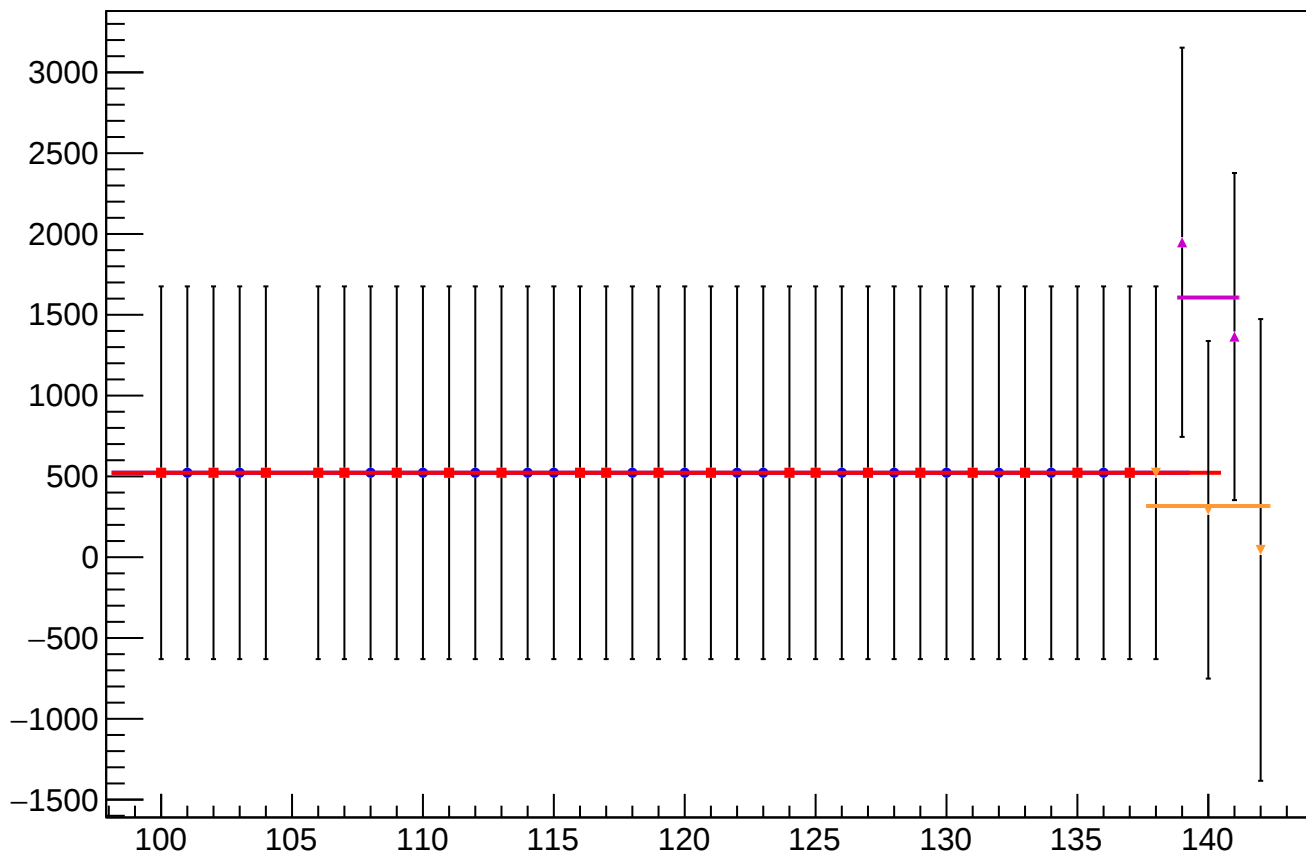
Right Out: 1678.197+/-0.311 χ^2/NDF : 0.0/19

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

1676.571+/-0.313 χ^2/NDF : 614.2/19

1679.955+/-0.296 χ^2/NDF : 4562.5/21

asym_us_agg_dd_mean vs Slug



Right In: 522.542 $\pm$ 279.690 χ^2 /NDF: 0.0/16

Left Out: 316.821 $\pm$ 680.646 χ^2 /NDF: 0.1/2

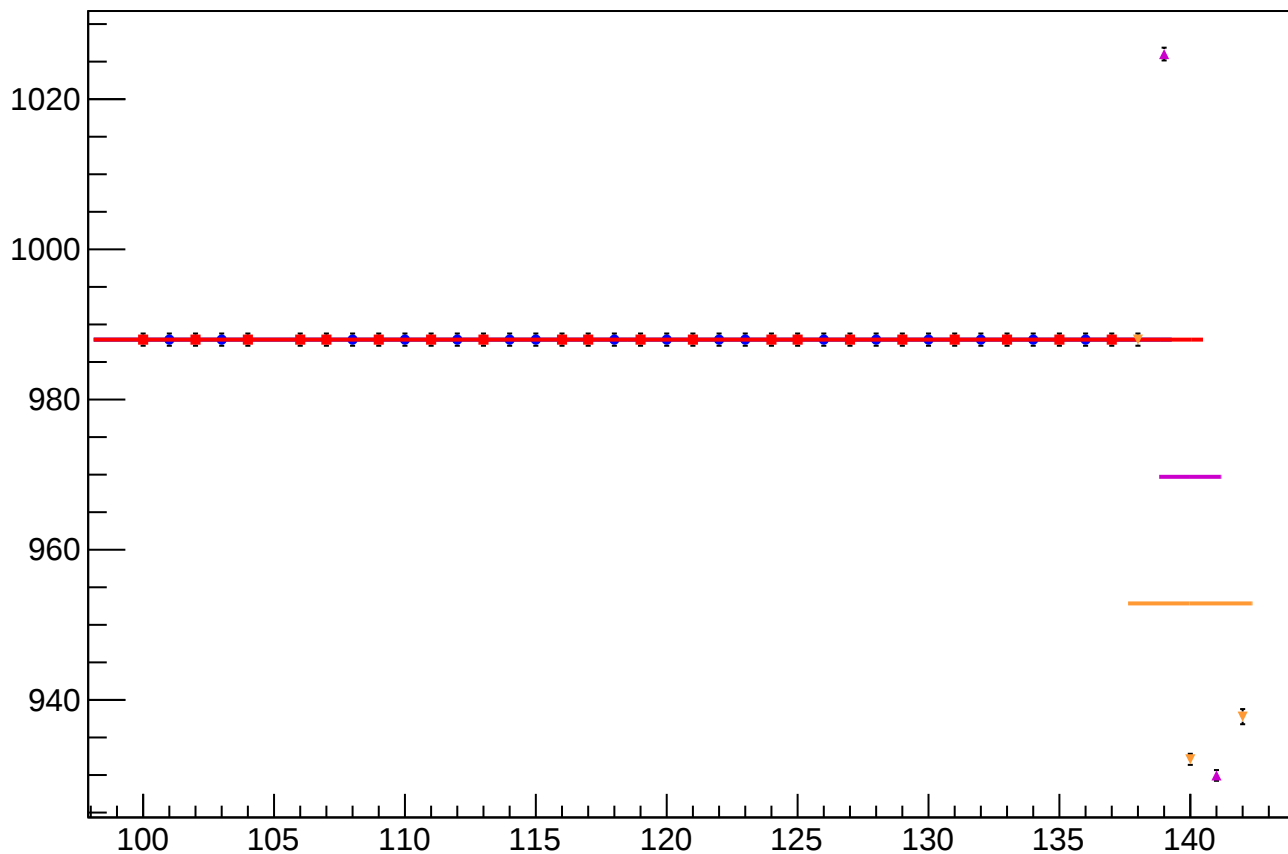
Right Out: 522.542 $\pm$ 257.861 χ^2 /NDF: 0.0/19

Left In: 1606.756 $\pm$ 774.797 χ^2 /NDF: 0.1/1

492.824 $\pm$ 258.700 χ^2 /NDF: 0.1/19

630.658 $\pm$ 244.667 χ^2 /NDF: 1.9/21

asym_us_agg_dd_rms vs Slug



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

Left Out: 952.851 $\pm$ 0.481 χ^2 /NDF:2868.7/2

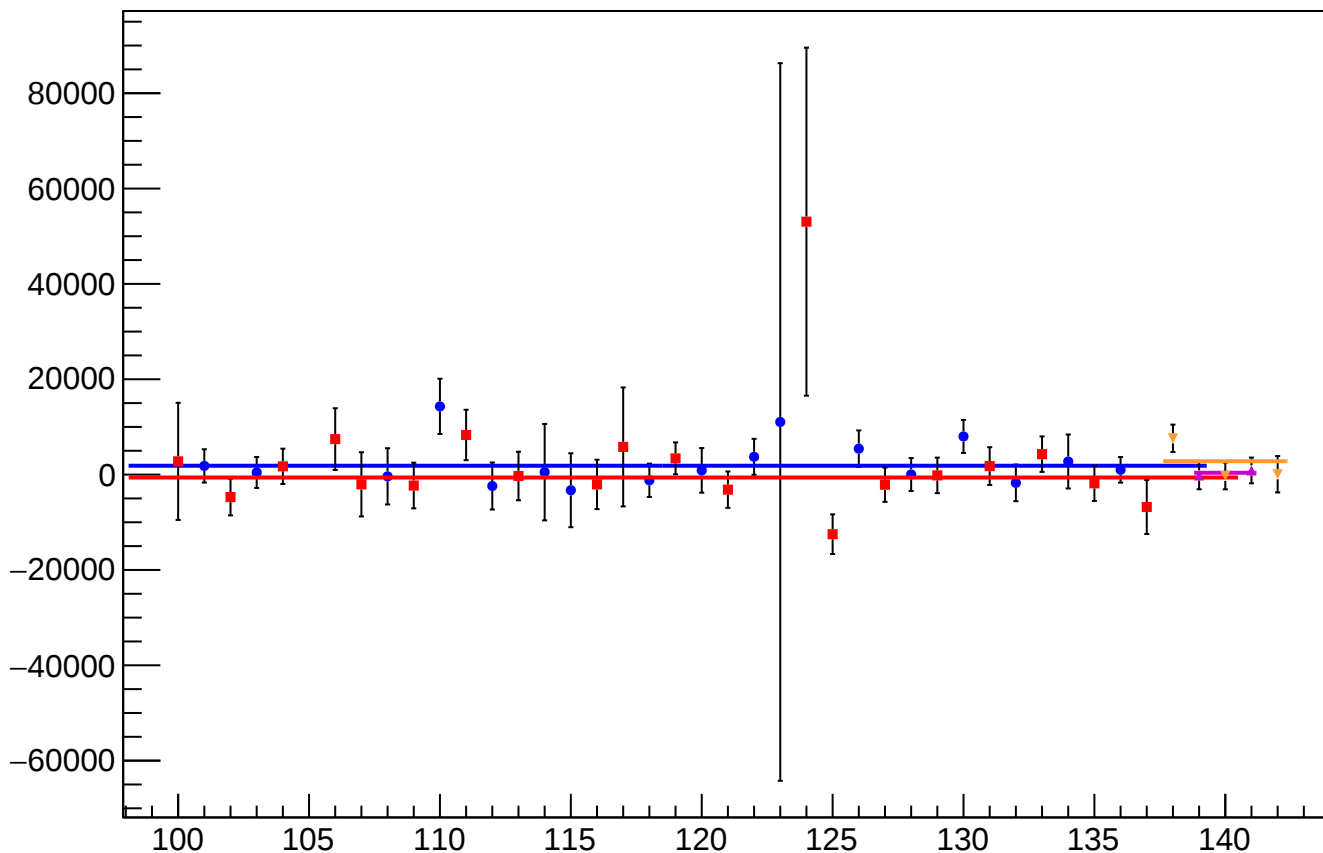
Right Out: 987.980 $\pm$ 0.182 χ^2 /NDF: 0.0/19

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

982.905 $\pm$ 0.183 χ^2 /NDF: 7426.4/19

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

reg_asym_atl1_mean vs Slug



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

Left Out: 2808.545 ± 1777.935 χ^2/NDF : 4.5/2

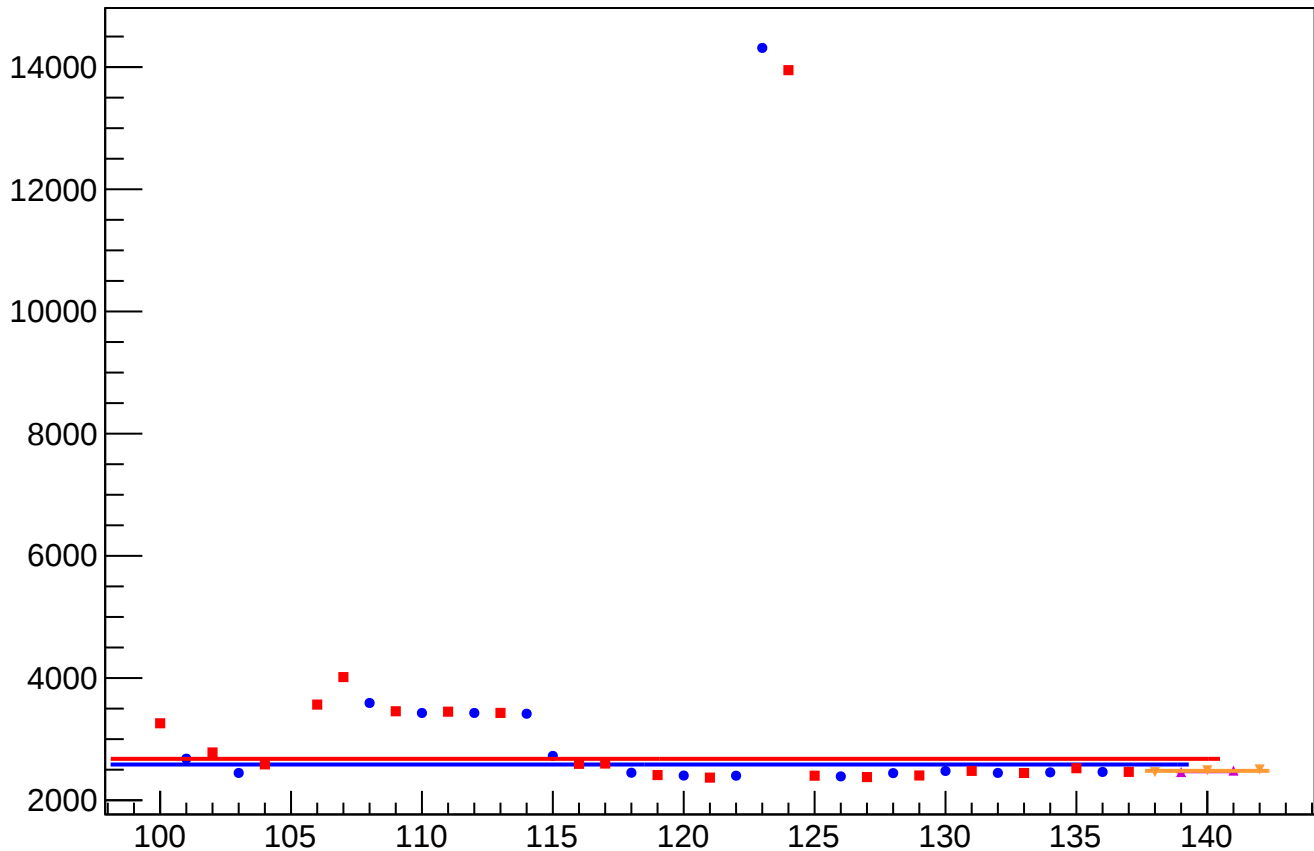
Right Out: -611.041 ± 1020.345 χ^2/NDF : 22.3/19

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

2092.437 ± 880.449 χ^2/NDF : 17.2/19

-401.072 ± 906.763 χ^2/NDF : 22.6/21

reg_asym_atl1_rms vs Slug



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

Left Out: 2481.000+/-1.257 χ^2/NDF : 209.1/2

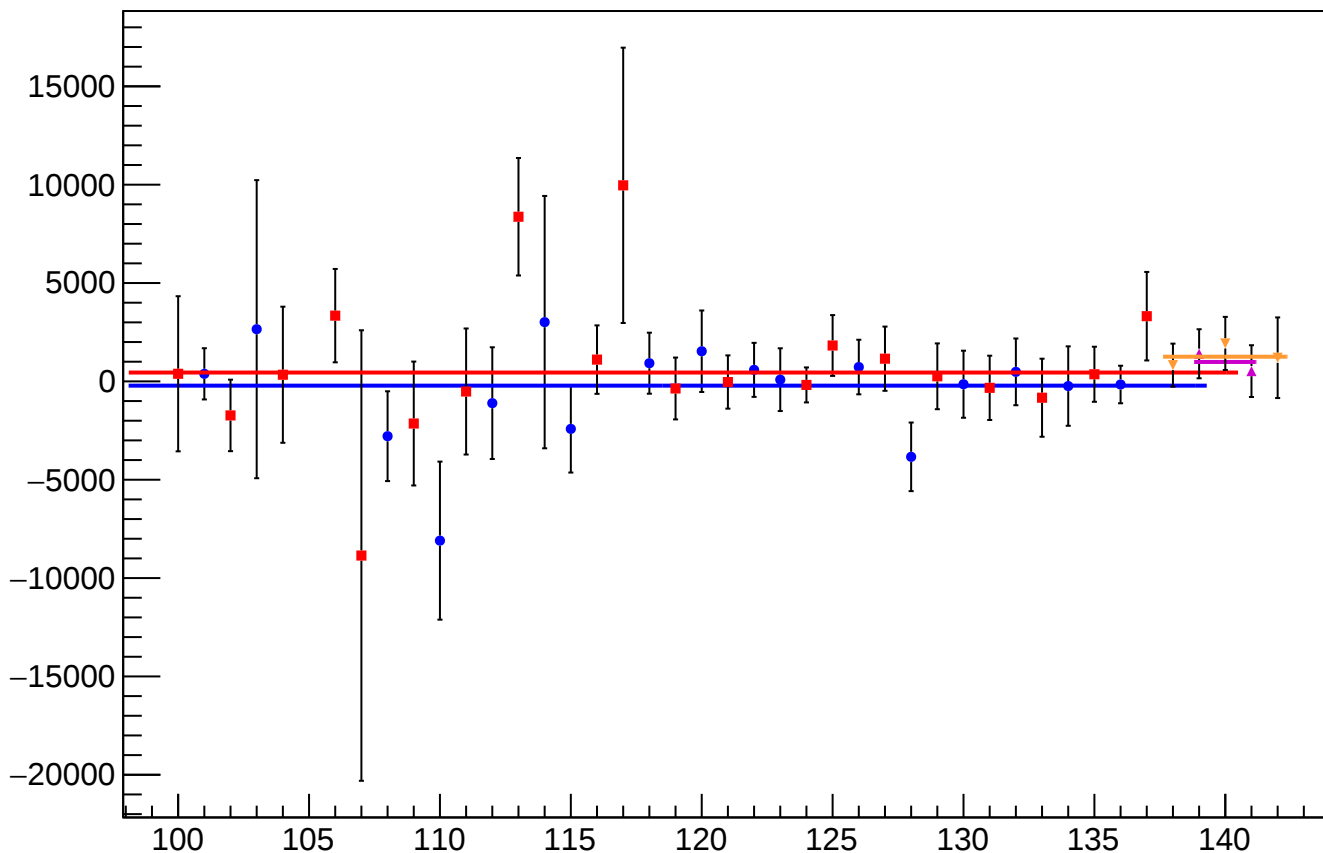
Right Out: 2677.711+/-0.721 χ^2/NDF : 532173.5/19

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

2559.359+/-0.623 χ^2/NDF : 261066.6/19

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

asym_atl1_correction_mean vs Slug



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

Left Out: 1254.507 ± 784.446 χ^2/NDF : 0.4/2

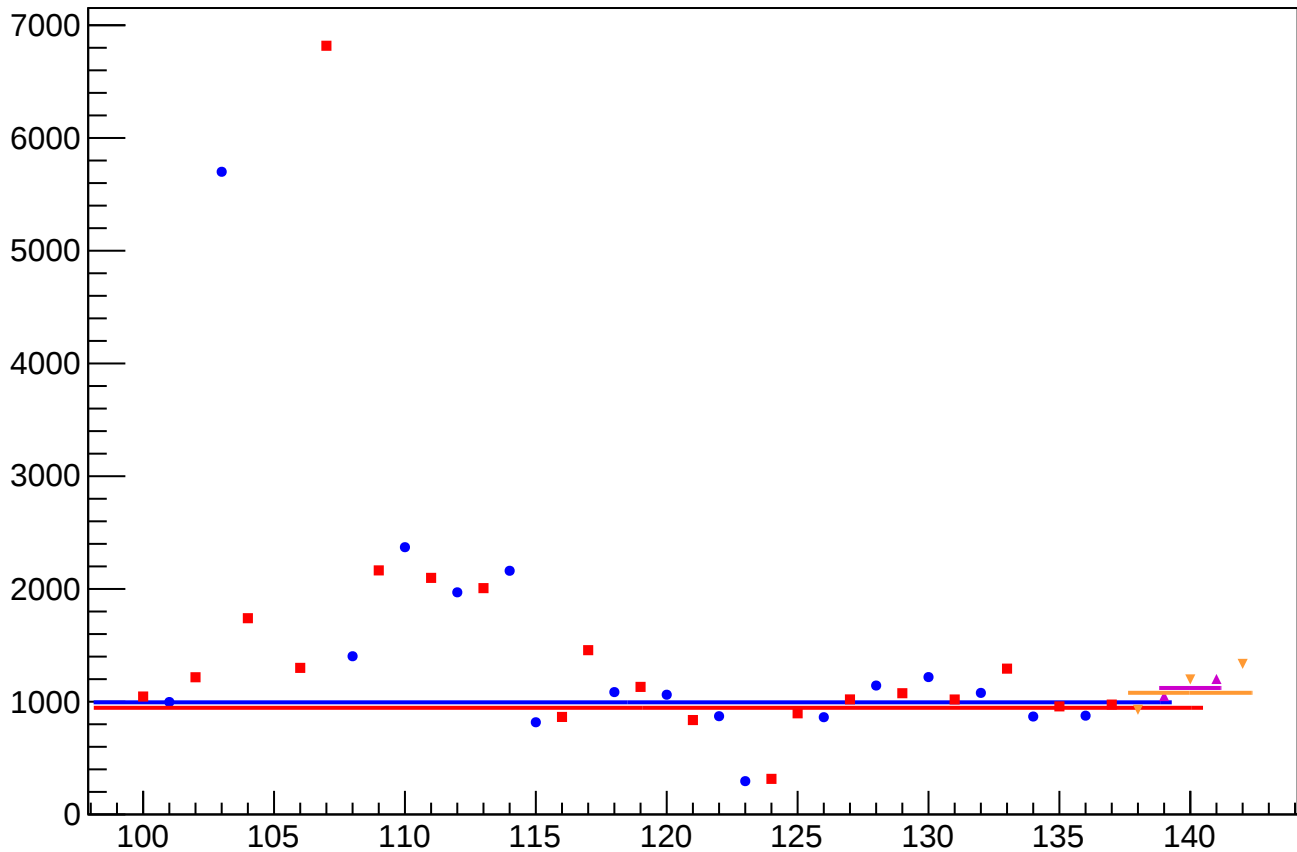
Right Out: 449.702 ± 408.279 χ^2/NDF : 17.5/19

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

110.927 ± 370.321 χ^2/NDF : 16.5/19

540.563 ± 372.158 χ^2/NDF : 18.1/21

asym_atl1_correction_rms vs Slug



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

Left Out: 1078.996+/-0.555 χ^2/NDF : 84862.2/2

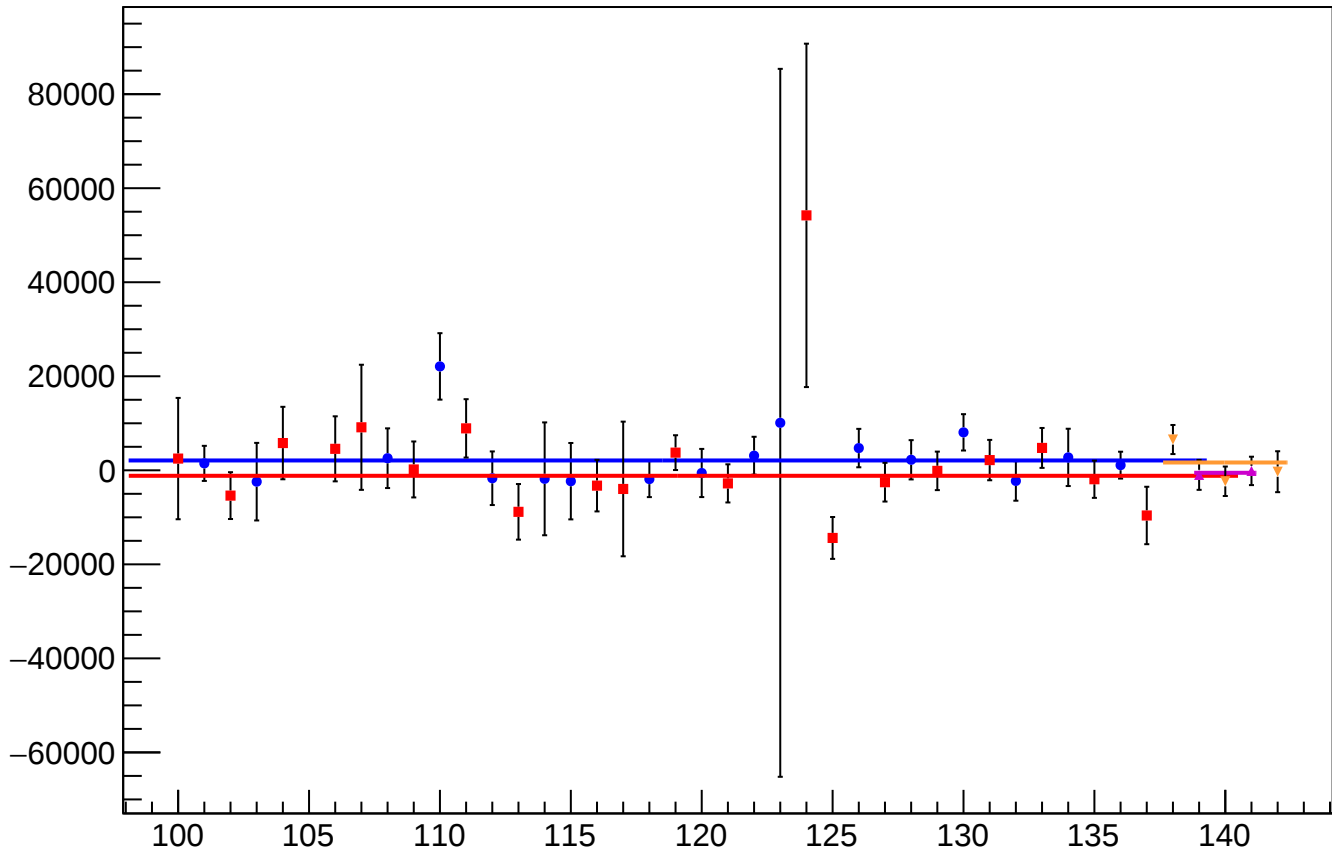
Right Out: 946.032+/-0.289 χ^2/NDF : 2676710.2/19

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

1013.363+/-0.262 χ^2/NDF : 2007427.2/19

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

asym_atl1_mean vs Slug



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

Left Out: 1661.744+/-1964.478 χ^2/NDF : 4.3/2

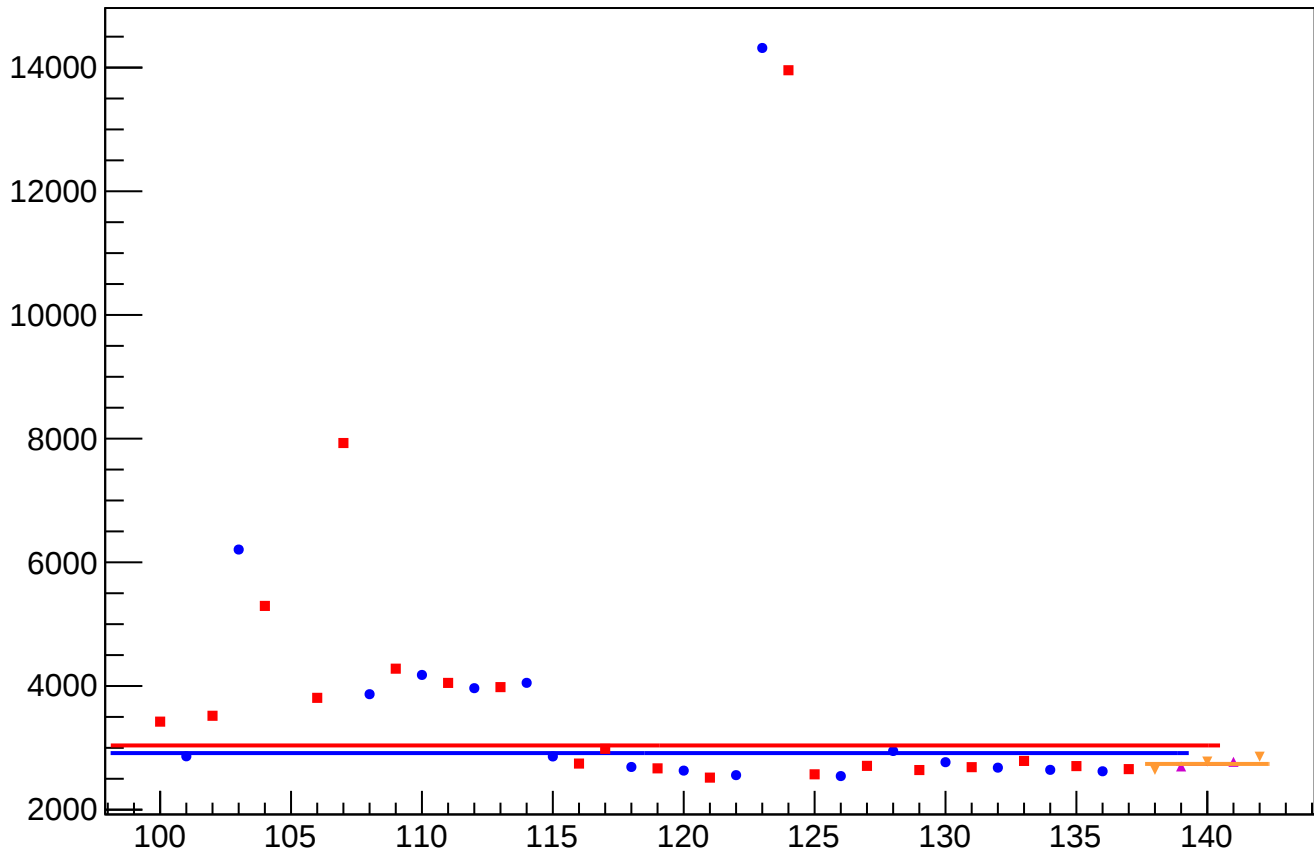
Right Out: -1167.038+/-1182.950 χ^2/NDF : 25.2/19

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

1982.224+/-999.131 χ^2/NDF : 19.0/19

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

asym_atl1_rms vs Slug



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

Left Out: 2739.876+/-1.389 χ^2 /NDF:3672.5/2

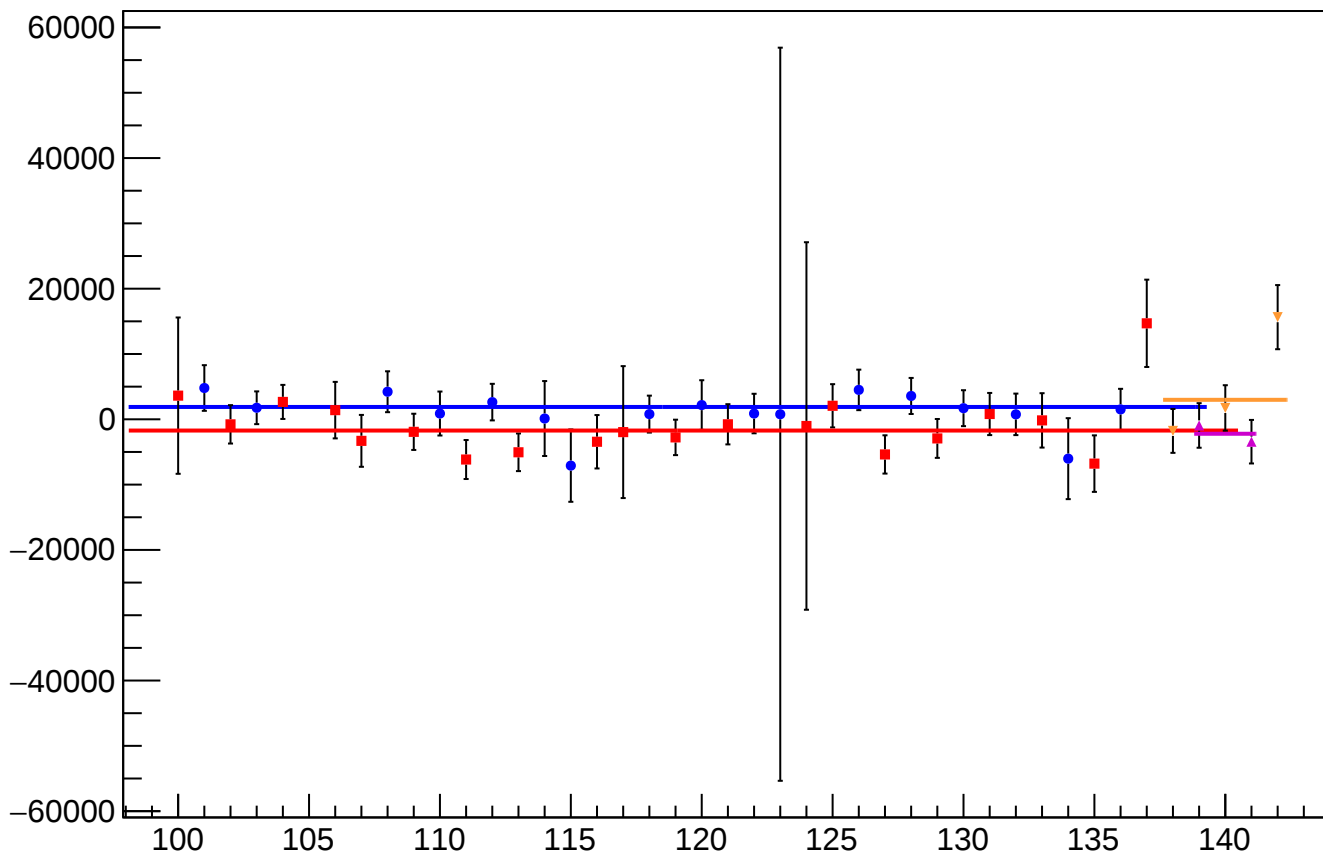
Right Out: 3038.763+/-0.836 χ^2 /NDF: 1011412.5/19

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

2869.849+/-0.706 χ^2 /NDF: 654618.3/19

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

reg_asym_atl2_mean vs Slug



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

Left Out: 2983.665+/-2167.537 χ^2 /NDF:8.8/2

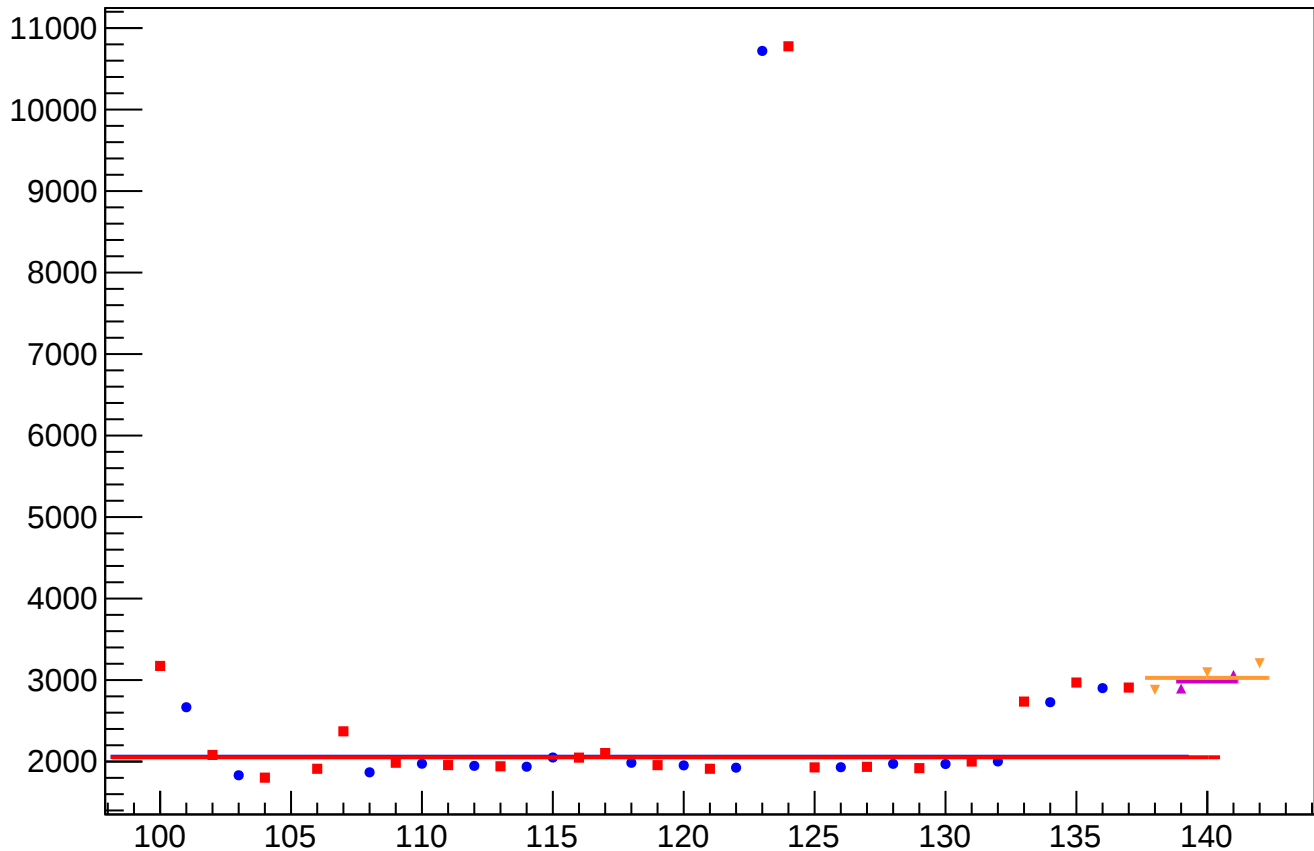
Right Out: -1720.591+/-787.704 χ^2 /NDF: 19.0/19

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

2024.380+/-759.927 χ^2 /NDF: 16.3/19

-1769.126+/-747.953 χ^2 /NDF: 19.3/21

reg_asym_atl2_rms vs Slug



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

Left Out: 3026.931+/-1.533 χ^2/NDF : 7260.8/2

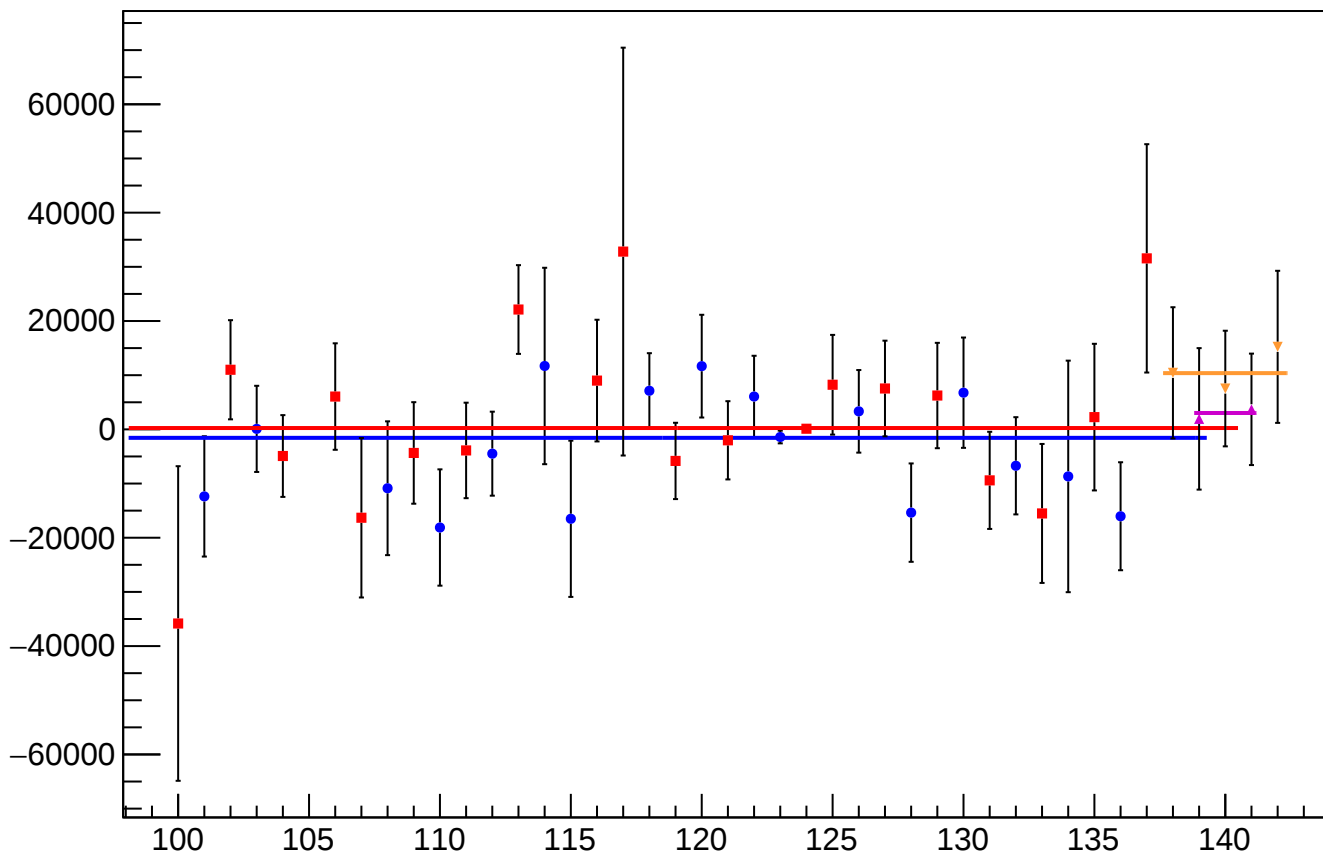
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

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

2177.943+/-0.537 χ^2/NDF : 675654.4/19

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

asym_atl2_correction_mean vs Slug



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

Left Out: 10381.089+/-6953.825 χ^2/NDF : 0.2/2

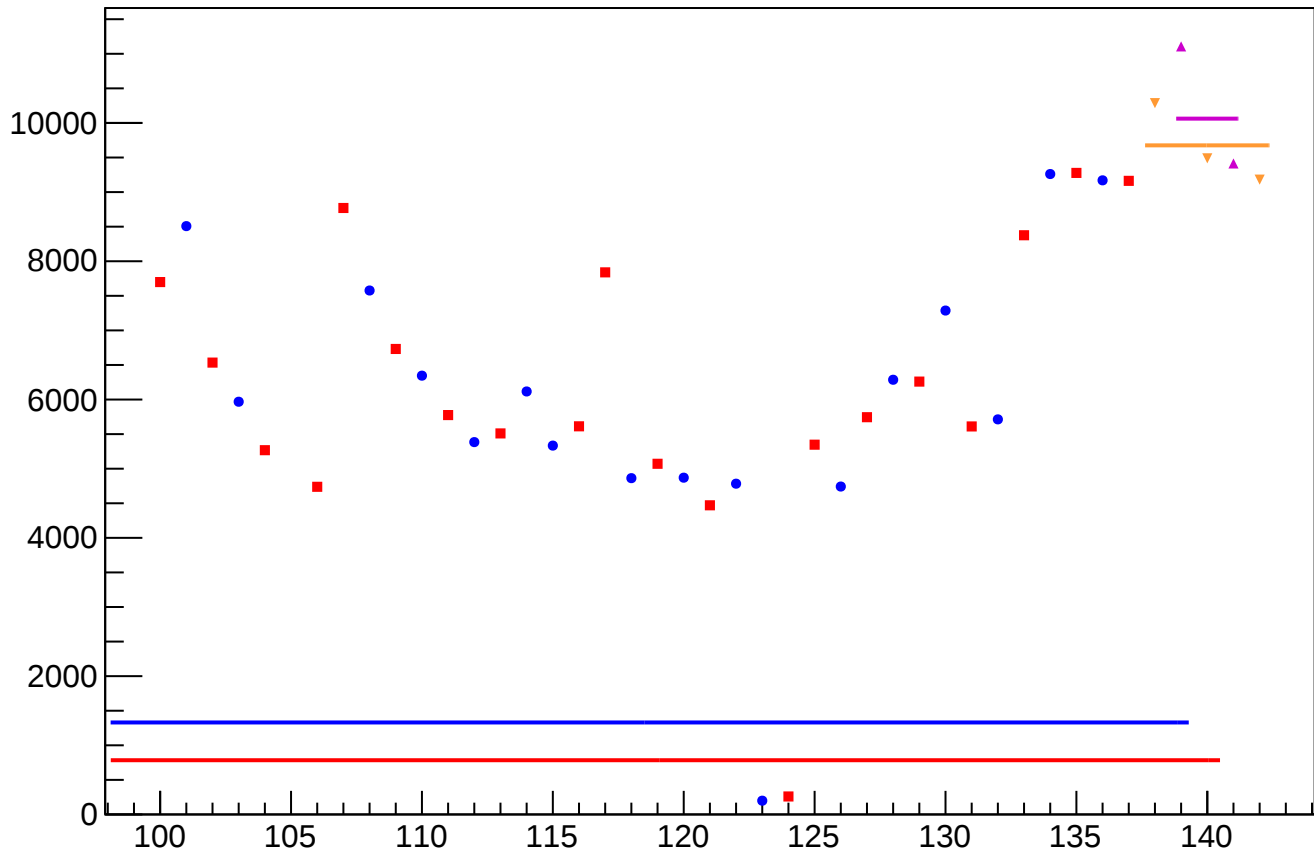
Right Out: 247.306+/-695.049 χ^2/NDF : 21.6/19

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

-1295.001+/-1042.045 χ^2/NDF : 19.3/19

267.695+/-692.491 χ^2/NDF : 21.7/21

asym_atl2_correction_rms vs Slug



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

Left Out: 9675.883 $\pm$ 4.917 χ^2/NDF : 8195.3/2

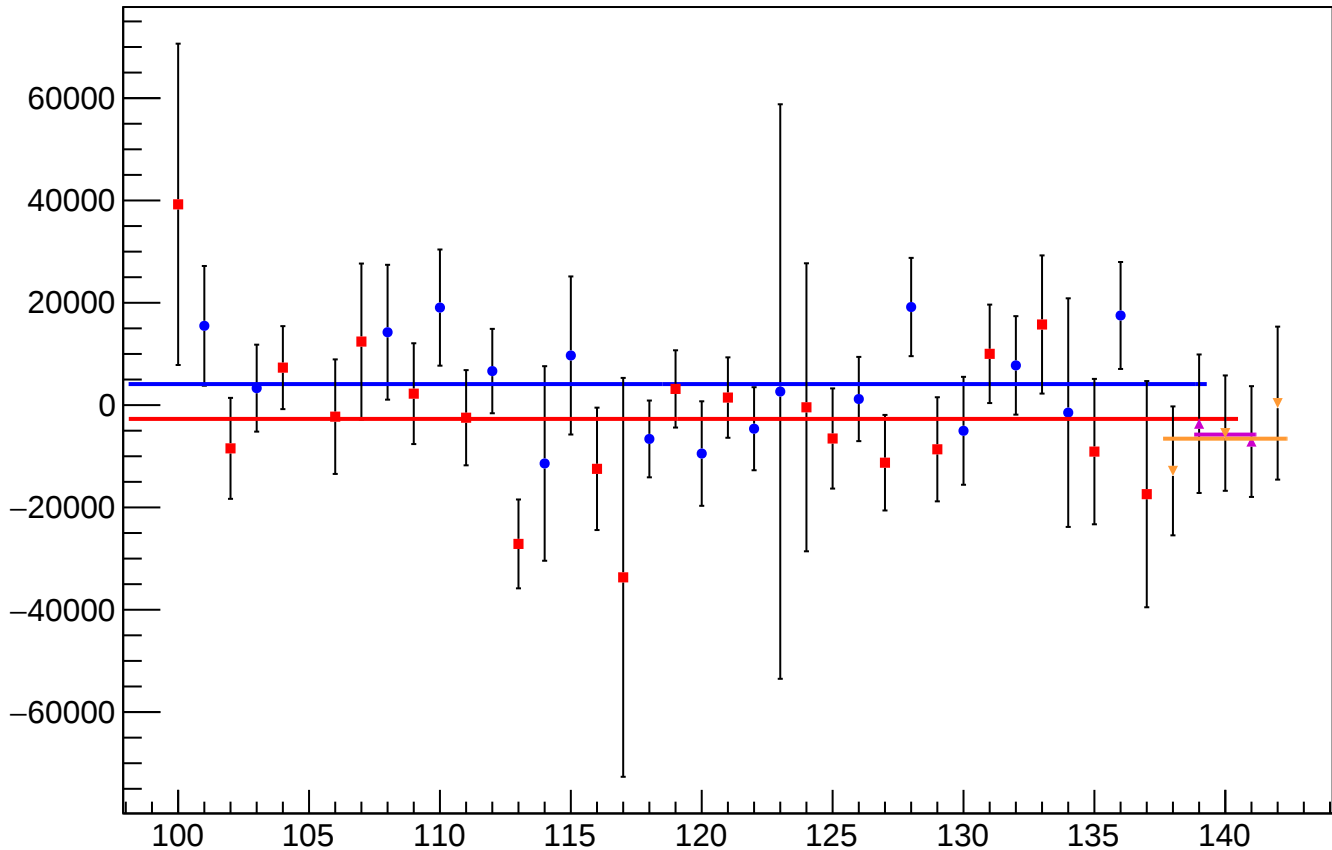
Right Out: 784.254 $\pm$ 0.491 χ^2/NDF : 11510186.9/19

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

1517.656 $\pm$ 0.737 χ^2/NDF : 12871055.6/19

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

asym_atl2_mean vs Slug



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

Left Out: -6561.913 ± 7325.137 χ^2/NDF : 0.5/2

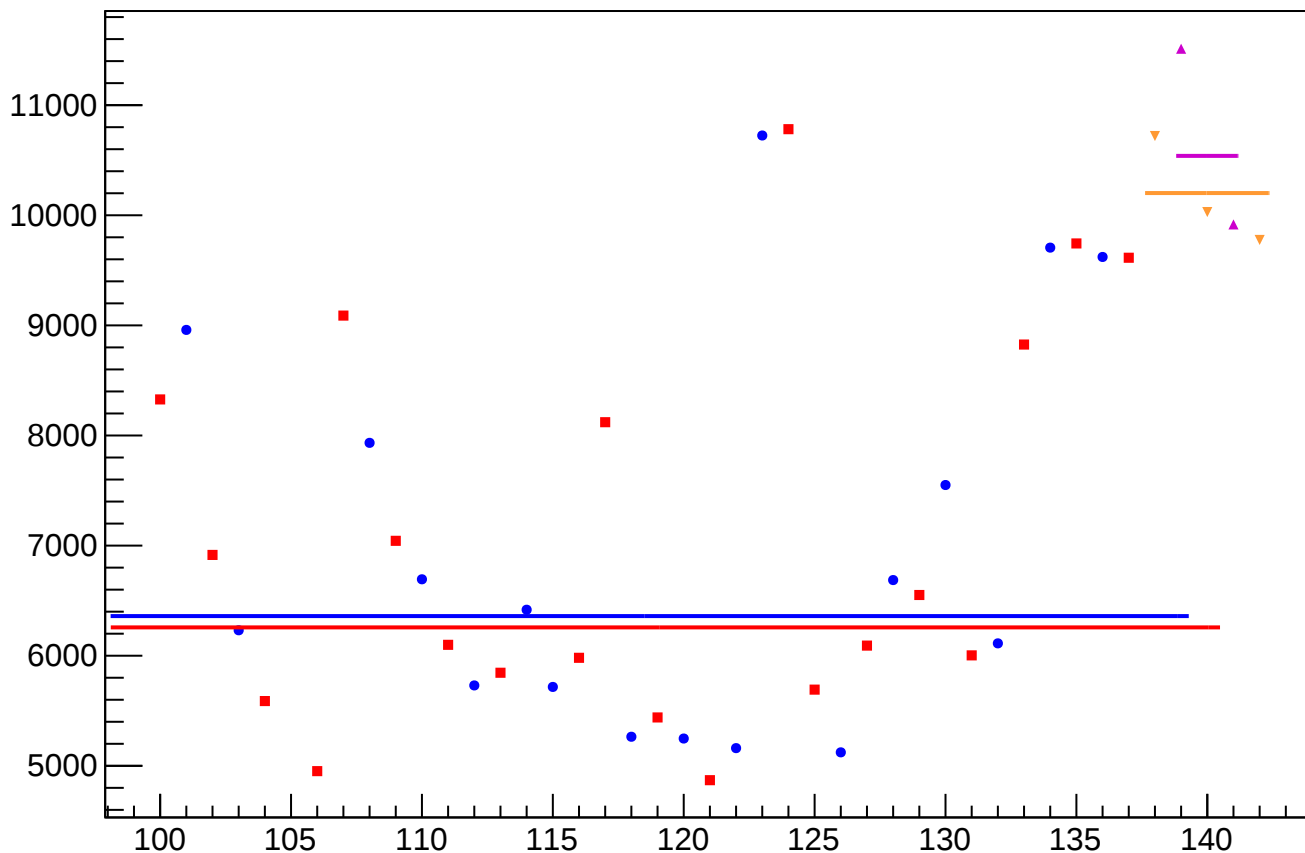
Right Out: -2697.106 ± 2415.828 χ^2/NDF : 20.6/19

Left In: -5763.325 ± 8455.143 χ^2/NDF : 0.0/1

2970.634 ± 2395.133 χ^2/NDF : 16.7/19

-2928.532 ± 2322.872 χ^2/NDF : 20.7/21

asym_atl2_rms vs Slug



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

Left Out: 10201.801+/-5.180 χ^2/NDF : 5470.3/2

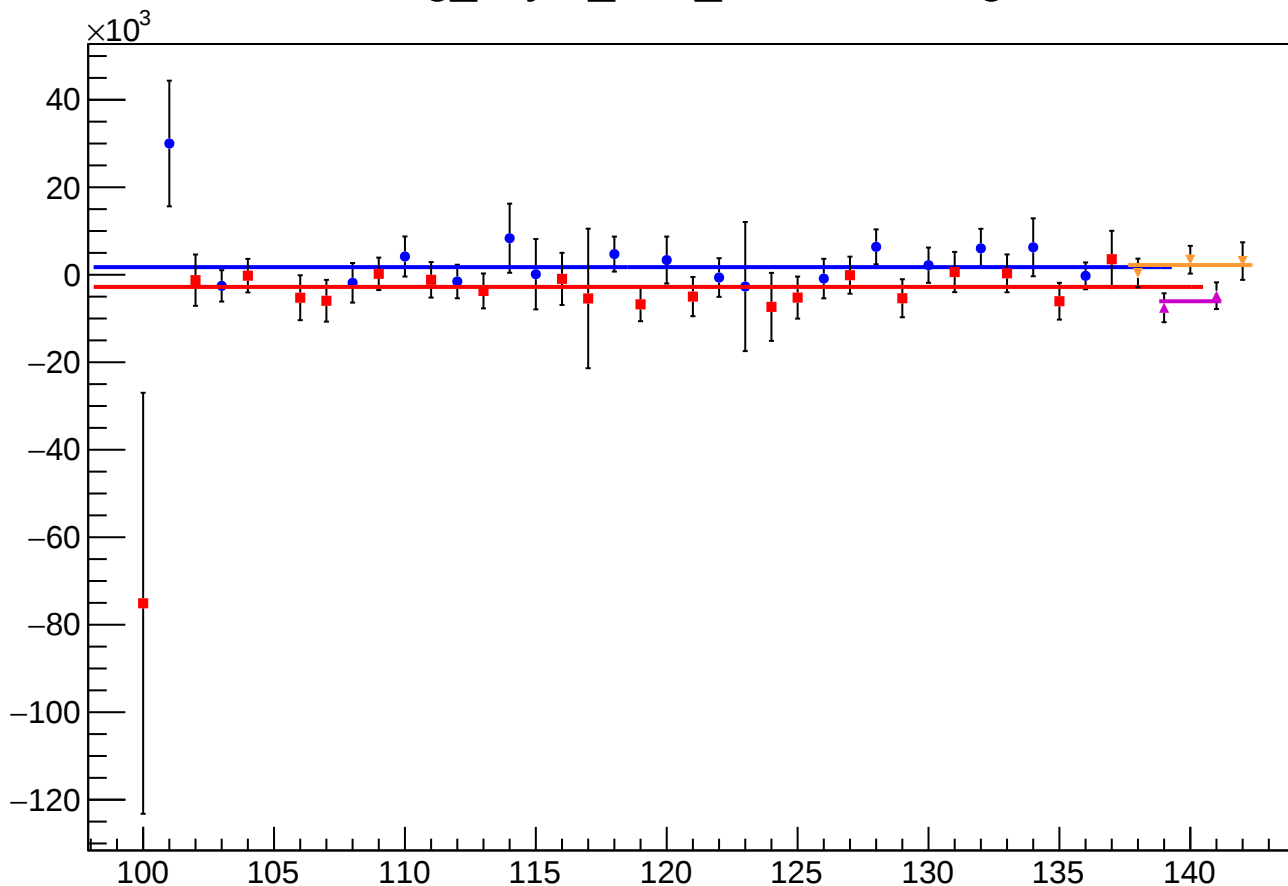
Right Out: 6257.232+/-1.708 χ^2/NDF : 537553.3/19

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

6770.668+/-1.694 χ^2/NDF : 1077277.8/19

6580.406+/-1.642 χ^2/NDF : 1028788.0/21

reg_asym_atr1_mean vs Slug



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

Left Out: 2228.107 $\pm$ 2013.632 χ^2 /NDF:0.5/2

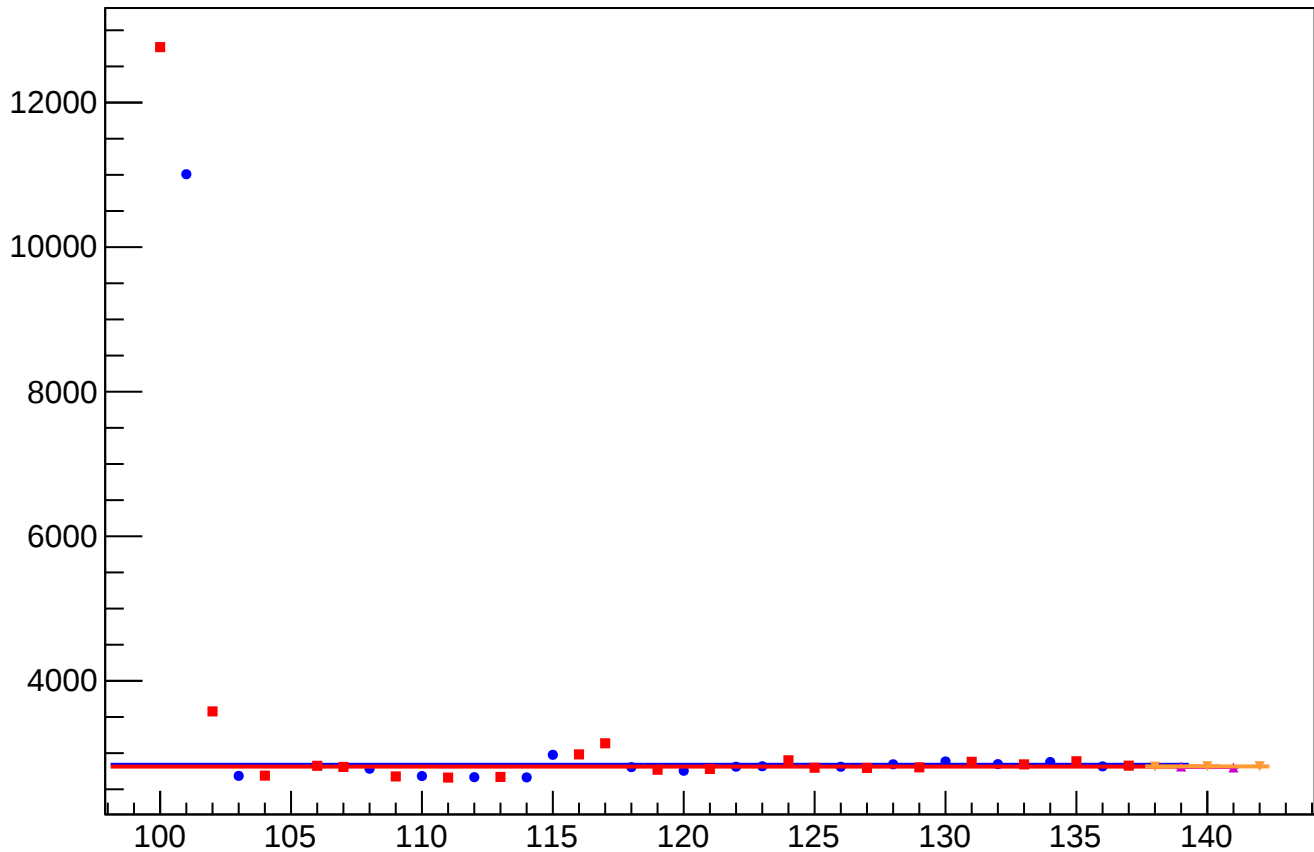
Right Out: -2775.793 $\pm$ 1069.534 χ^2 /NDF: 9.7/19

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

1861.234 $\pm$ 984.457 χ^2 /NDF: 12.8/19

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

reg_asym_atr1_rms vs Slug



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

Left Out: 2816.435+/-1.424 χ^2/NDF : 3.3/2

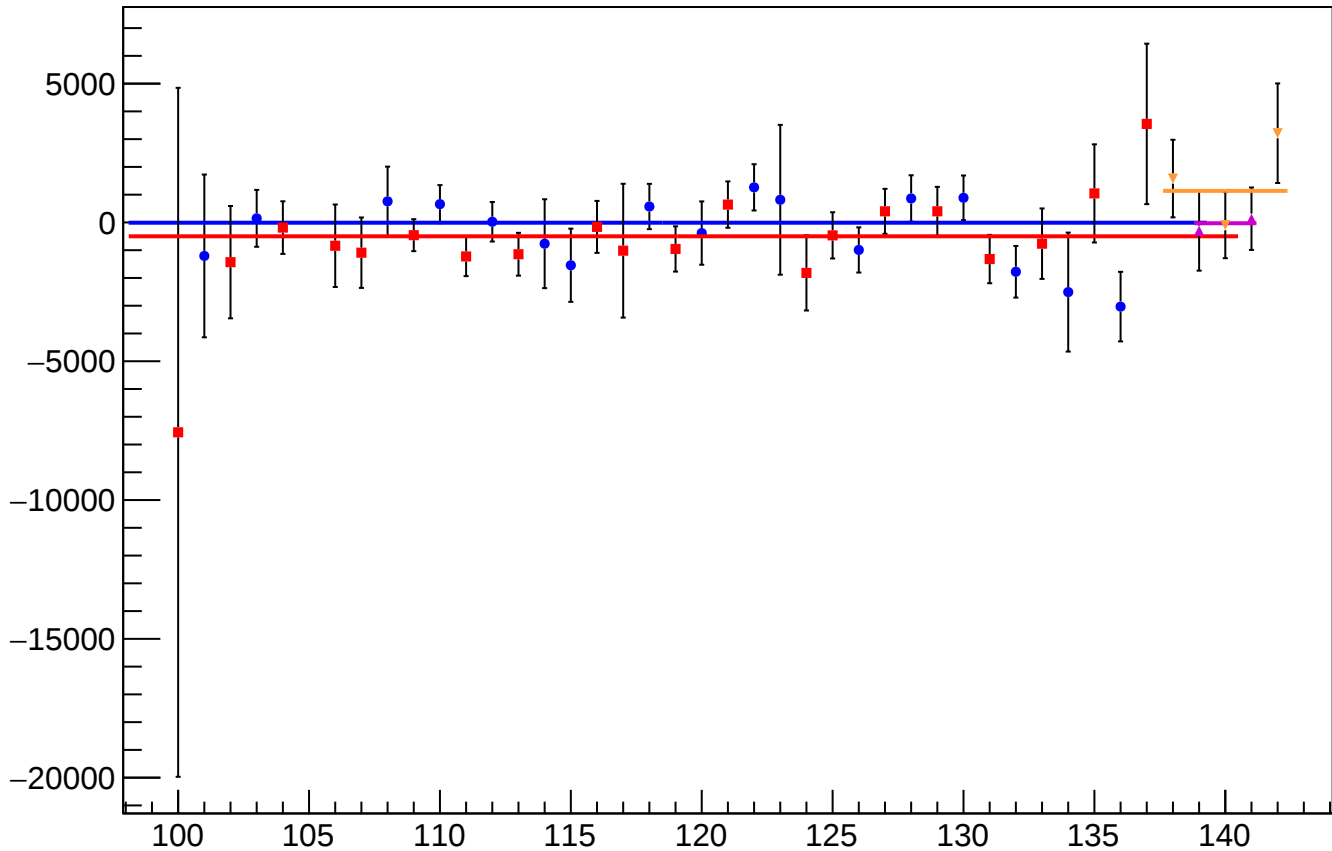
Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

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

2833.407+/-0.696 χ^2/NDF : 660399.3/19

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

asym_atr1_correction_mean vs Slug



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

Left Out: 1137.210 ± 808.648 χ^2/NDF : 2.5/2

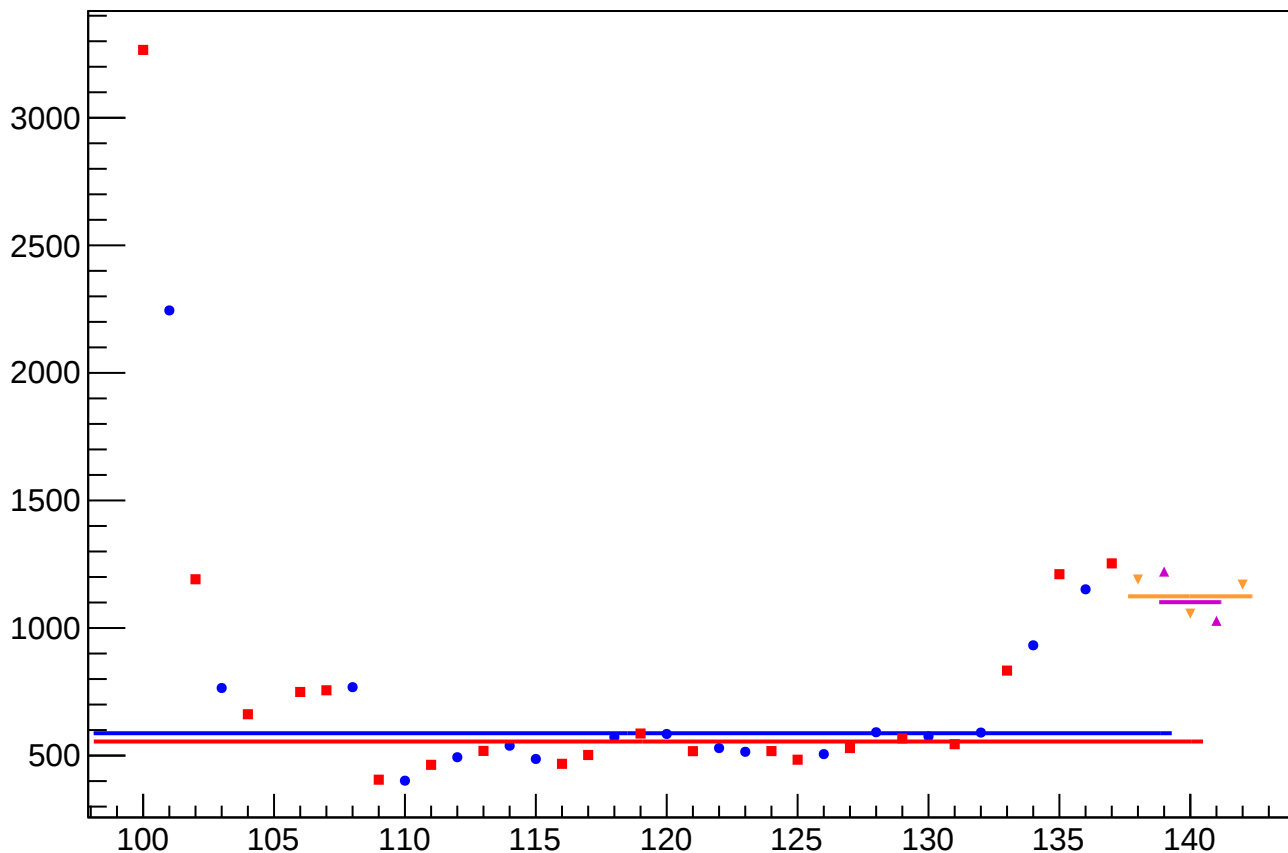
Right Out: -499.625 ± 220.558 χ^2/NDF : 11.9/19

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

84.211 ± 231.558 χ^2/NDF : 25.1/19

-472.195 ± 214.031 χ^2/NDF : 12.2/21

asym_atr1_correction_rms vs Slug



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

Left Out: 1124.261+/-0.572 χ^2/NDF : 12244.9/2

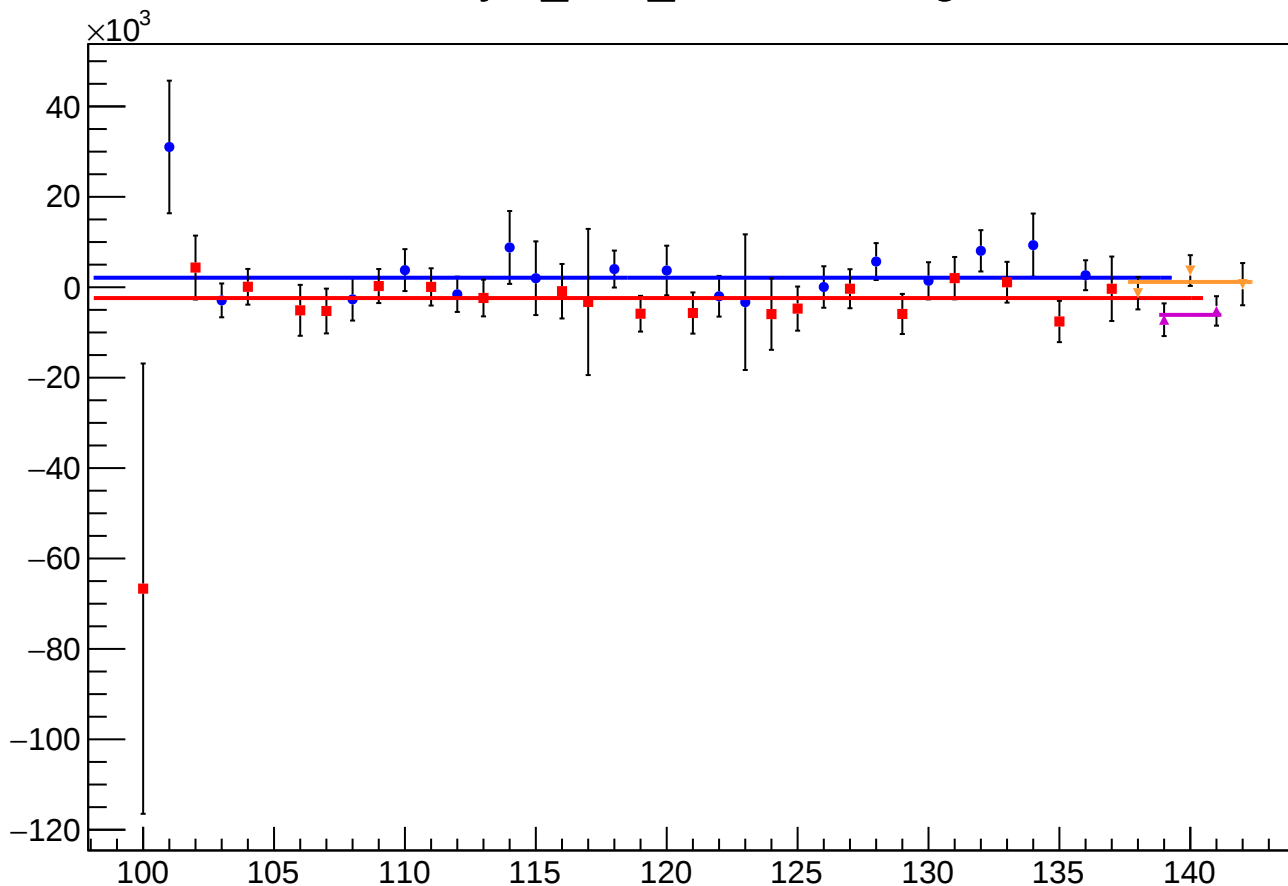
Right Out: 555.088+/-0.156 χ^2/NDF : 1107729.2/19

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

631.601+/-0.164 χ^2/NDF : 2246664.5/19

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

asym_atr1_mean vs Slug



Right In: 2108.498 ± 1164.336 $\chi^2/\text{NDF}: 13.5/16$

Left Out: 1178.312 ± 2179.832 $\chi^2/\text{NDF}: 1.0/2$

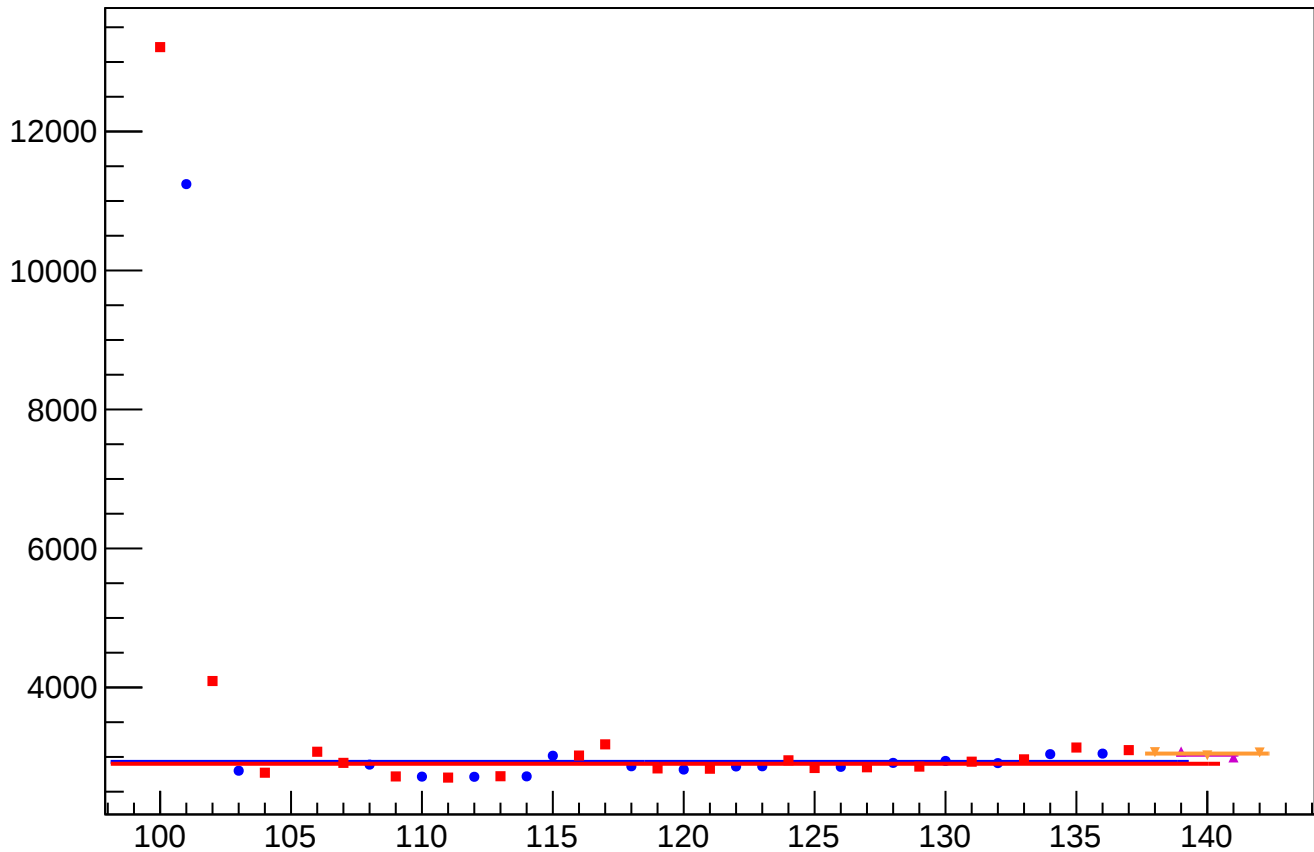
Right Out: -2389.947 ± 1107.639 $\chi^2/\text{NDF}: 9.9/19$

Left In: -6108.515 ± 2419.589 $\chi^2/\text{NDF}: 0.2/1$

1902.020 ± 1027.011 $\chi^2/\text{NDF}: 14.7/19$

-3034.206 ± 1007.126 $\chi^2/\text{NDF}: 12.0/21$

asym_atr1_rms vs Slug



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

Left Out: 3048.595+/-1.541 χ^2/NDF : 203.0/2

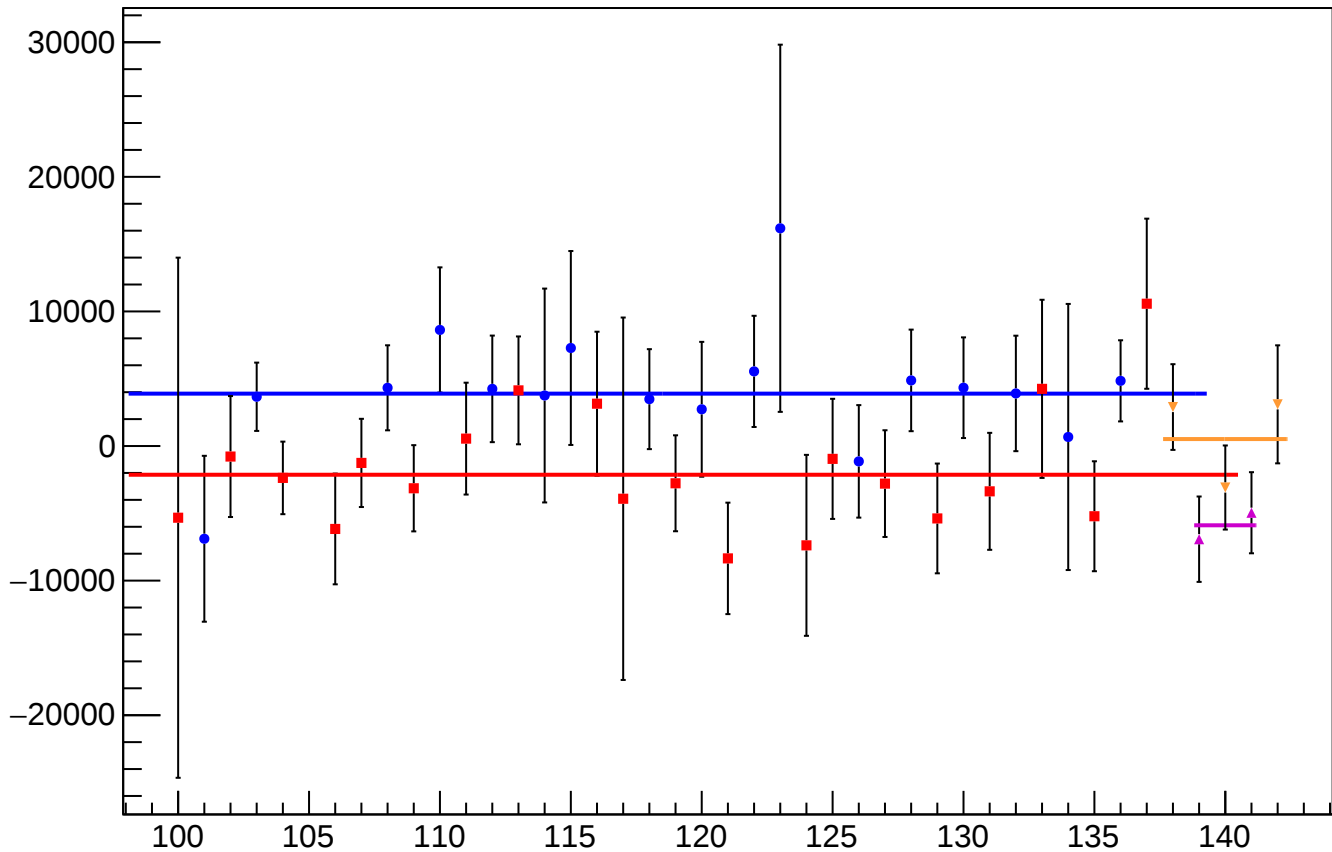
Right Out: 2901.790+/-0.783 χ^2/NDF : 170320.9/19

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

2955.314+/-0.726 χ^2/NDF : 667273.2/19

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

reg_asym_atr2_mean vs Slug



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

Left Out: 517.596+/-1987.558 χ^2/NDF : 2.2/2

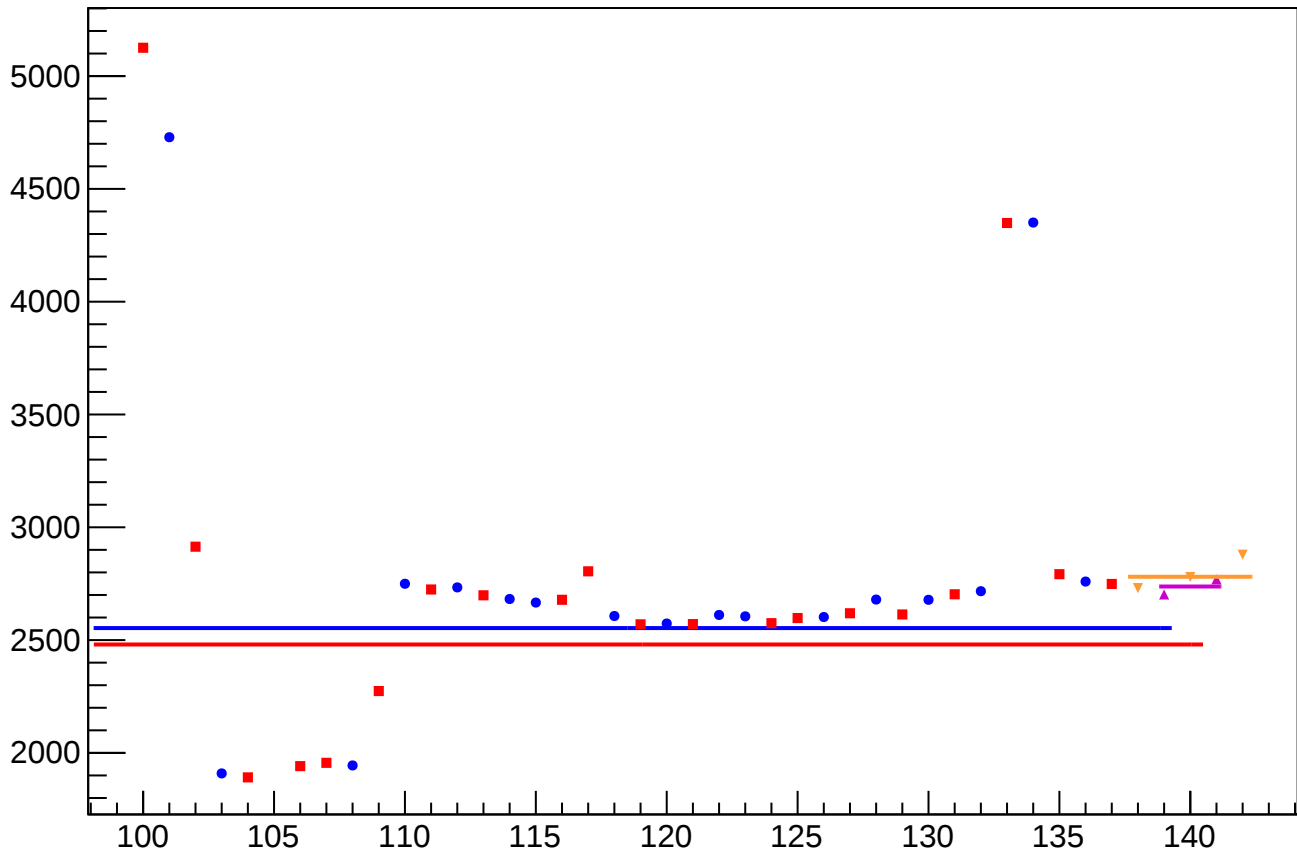
Right Out: -2133.736+/-955.999 χ^2/NDF : 14.4/19

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

3197.993+/-901.630 χ^2/NDF : 11.7/19

-2737.384+/-875.807 χ^2/NDF : 17.0/21

reg_asym_atr2_rms vs Slug



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

Left Out: 2780.751+/-1.405 χ^2/NDF :1491.7/2

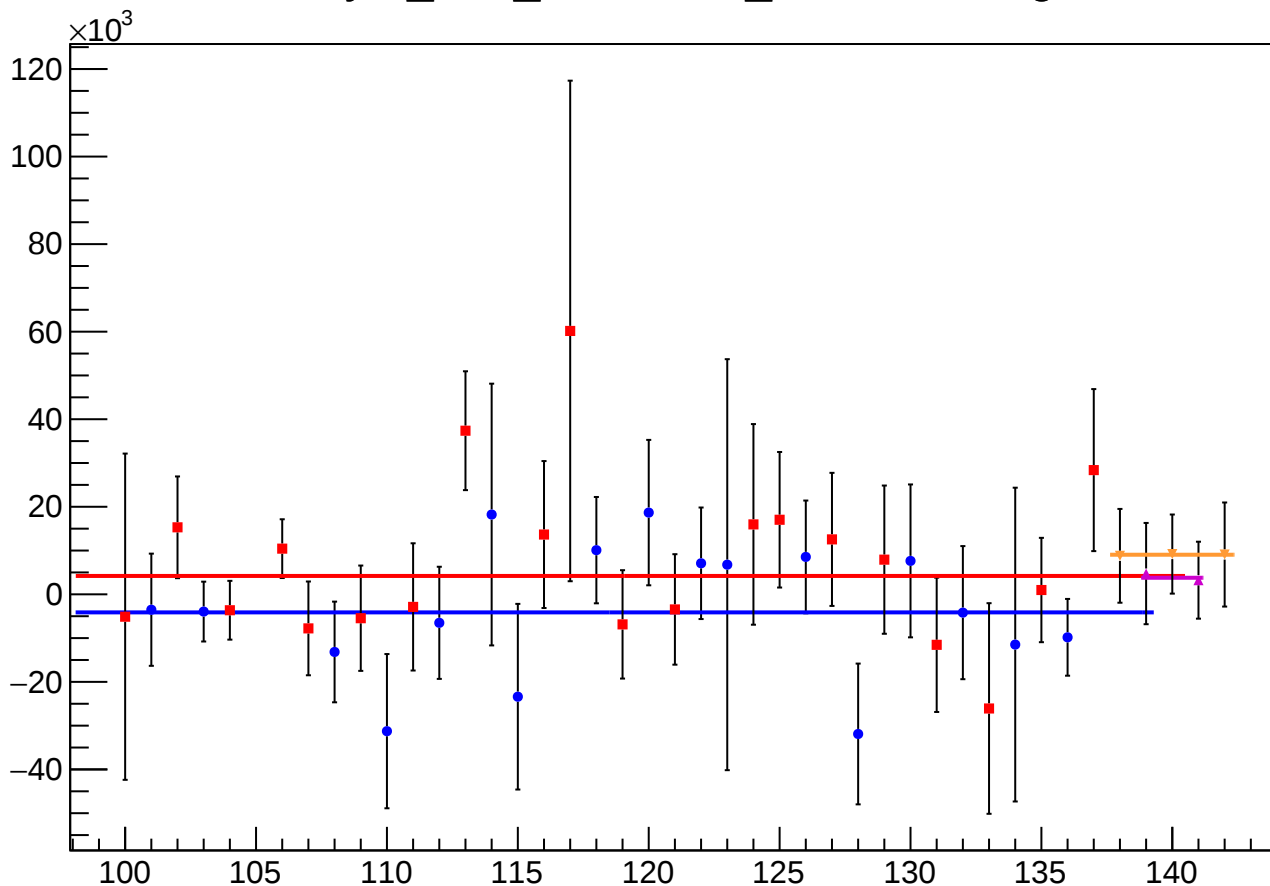
2600.091+/-0.638 χ^2/NDF : 567524.1/19

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

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

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

asym_atr2_correction_mean vs Slug



Right In: -4126.319 $\pm$ 3227.044 χ^2/NDF : 13.4/16

Left Out: 9044.558 $\pm$ 5971.968 χ^2/NDF : 0.0/2

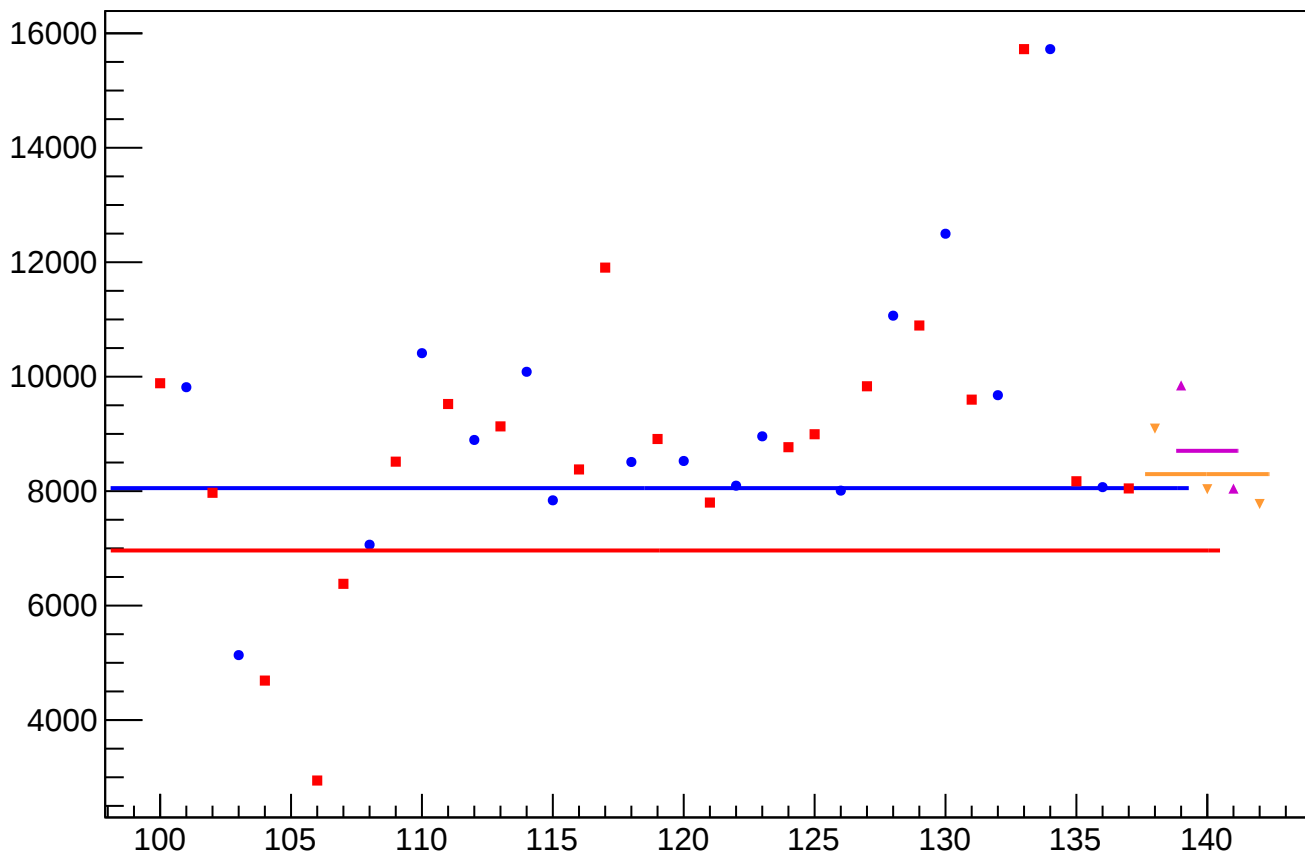
Right Out: 4197.870 $\pm$ 2830.850 χ^2/NDF : 19.5/19

Left In: 3782.307 $\pm$ 6998.708 χ^2/NDF : 0.0/1

-1149.662 $\pm$ 2839.059 χ^2/NDF : 17.1/19

4139.441 $\pm$ 2624.303 χ^2/NDF : 19.5/21

asym_atr2_correction_rms vs Slug



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

Left Out: 8297.453+/-4.223 χ^2/NDF : 16575.8/2

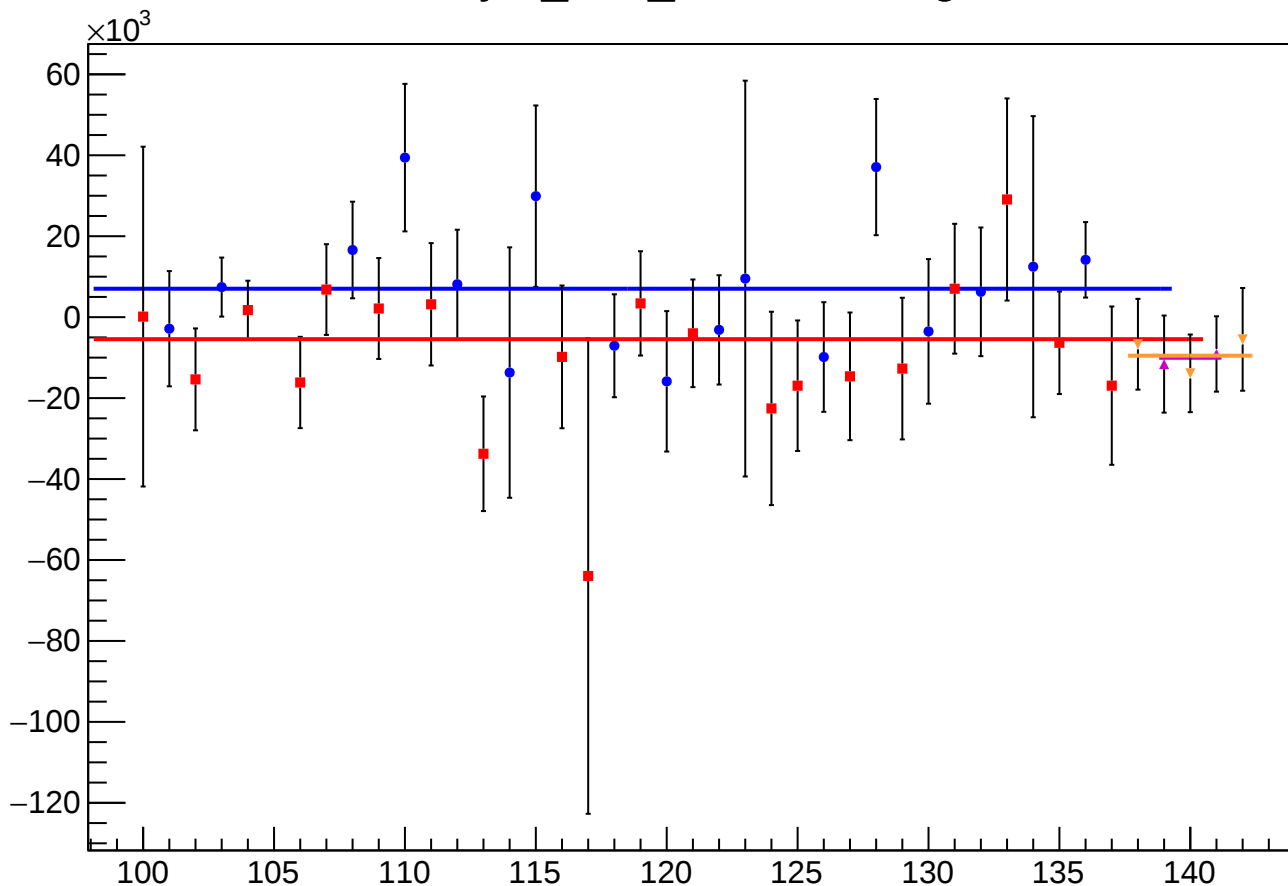
Right Out: 6963.091+/-2.002 χ^2/NDF : 1791563.9/19

Left In: 8704.485+/-4.949 χ^2/NDF : 30811.8/1

8107.900+/-2.008 χ^2/NDF : 809903.2/19

7207.935+/-1.856 χ^2/NDF : 1928785.8/21

asym_atr2_mean vs Slug



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

Left Out: -9516.738+/-6321.504 χ^2/NDF : 0.4/2

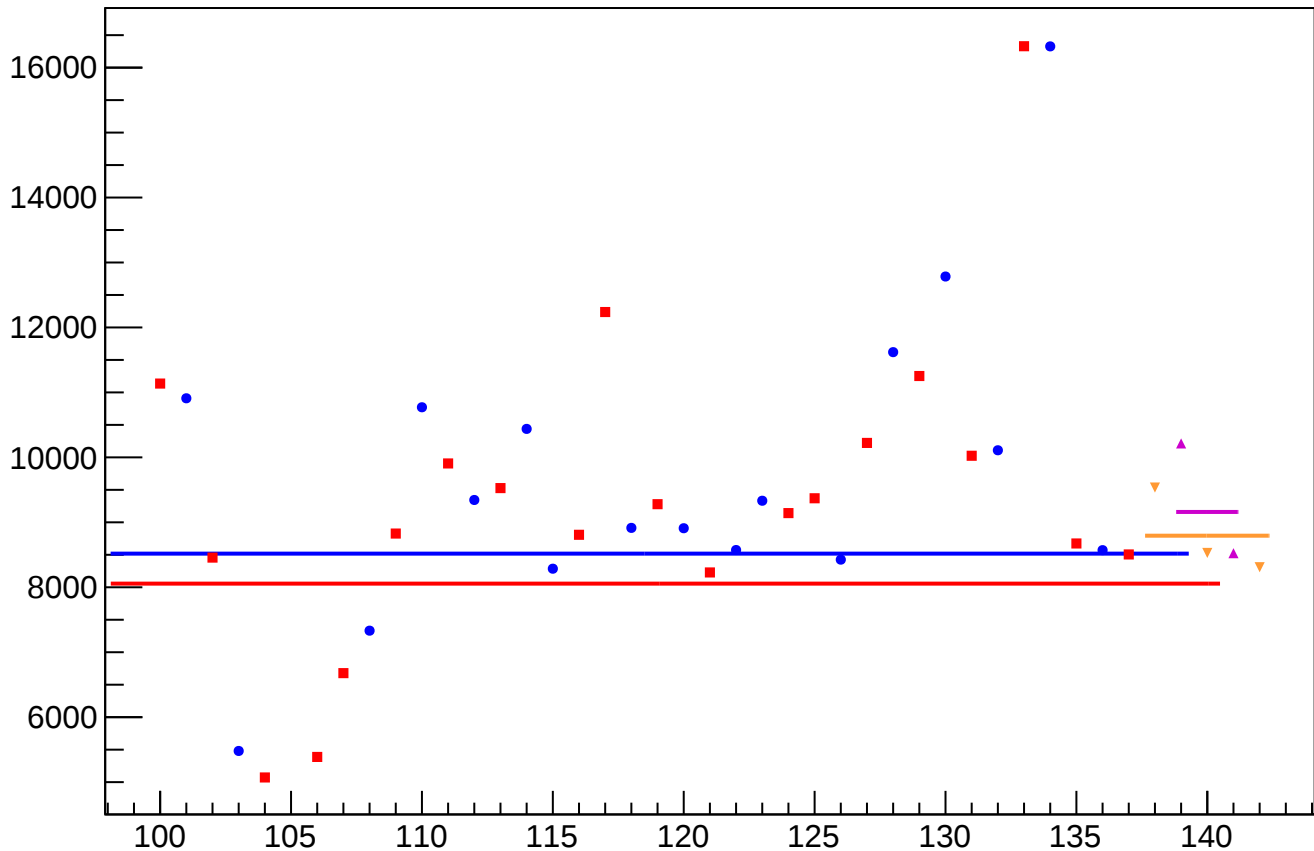
Right Out: -5441.890+/-3163.600 χ^2/NDF : 14.3/19

Left In: -10033.122+/-7353.742 χ^2/NDF : 0.0/1

3297.722+/-3000.846 χ^2/NDF : 20.7/19

-6158.908+/-2906.088 χ^2/NDF : 14.7/21

asym_atr2_rms vs Slug



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

Left Out: 8794.086+/-4.470 χ^2/NDF : 13191.4/2

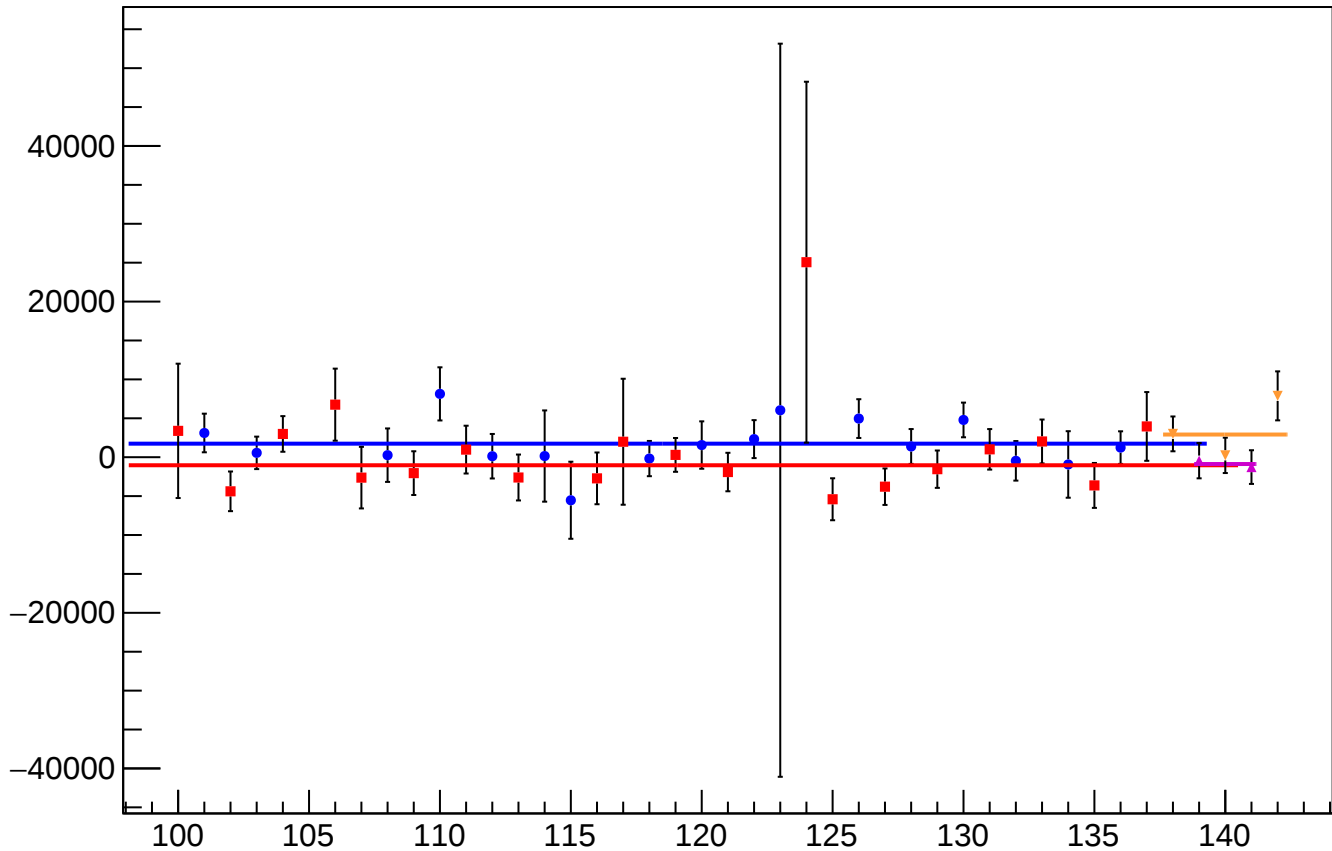
8580.126+/-2.122 χ^2/NDF : 779430.4/19

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

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

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

reg_asym_atl_avg_mean vs Slug



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

Left Out: 2913.772+/-1422.365 χ^2/NDF : 3.9/2

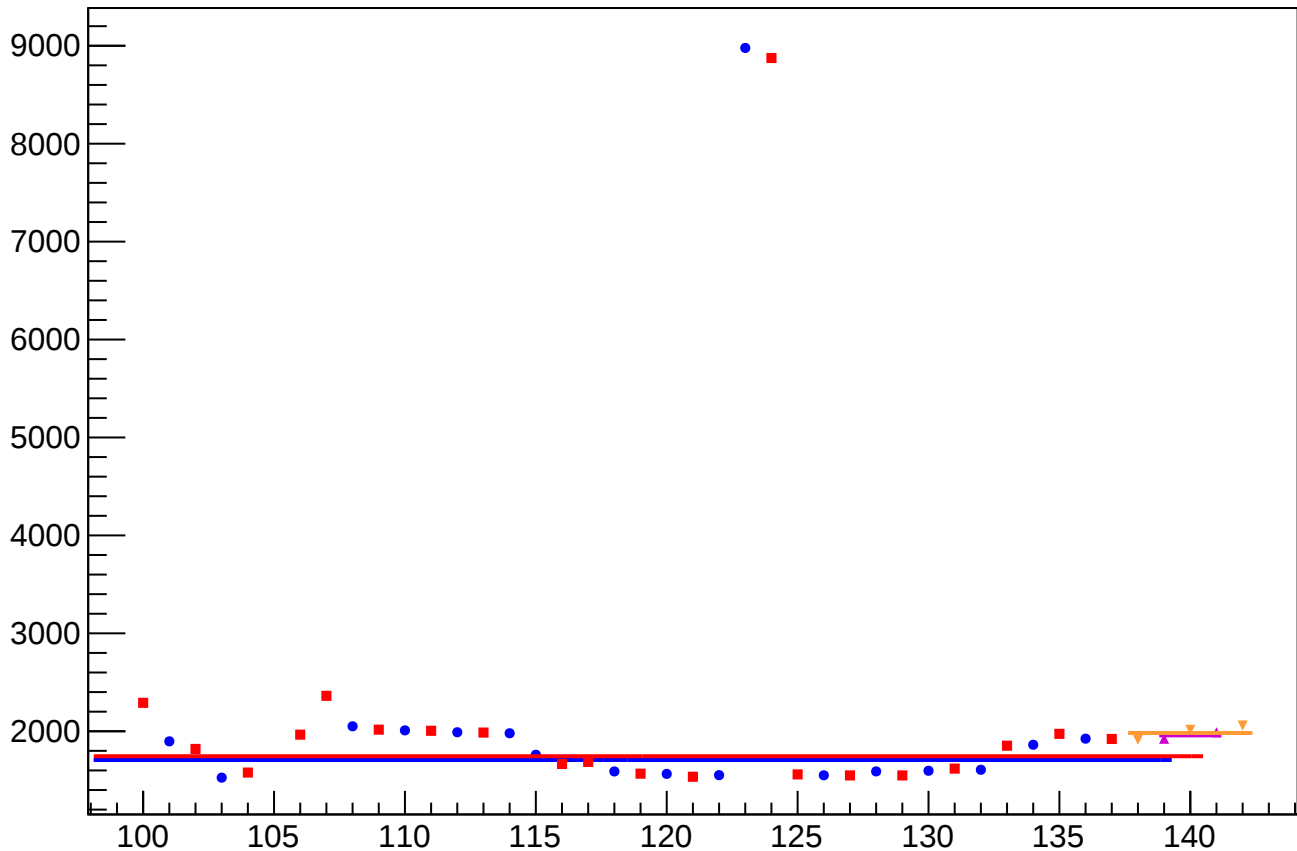
Right Out: -1034.828+/-668.692 χ^2/NDF : 19.0/19

Left In: -877.073+/-1566.671 χ^2/NDF : 0.1/1

1953.059+/-606.414 χ^2/NDF : 16.9/19

-1010.517+/-615.013 χ^2/NDF : 19.1/21

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1982.528+/-1.006 χ^2/NDF : 3482.2/2

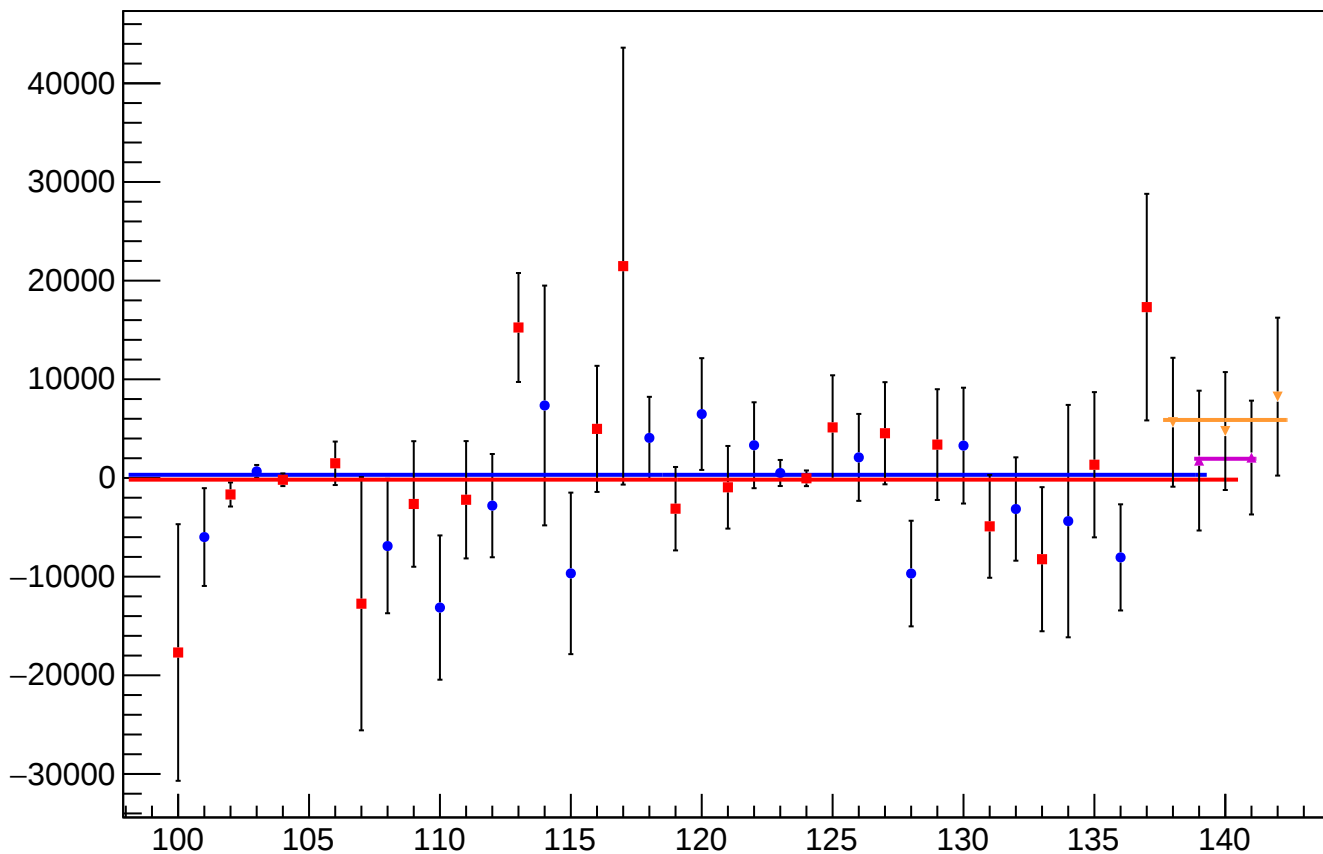
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

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

1756.973+/-0.429 χ^2/NDF : 262503.6/19

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

asym_atl_avg_correction_mean vs Slug



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

Left Out: 5880.723+/-3862.189 χ^2/NDF : 0.1/2

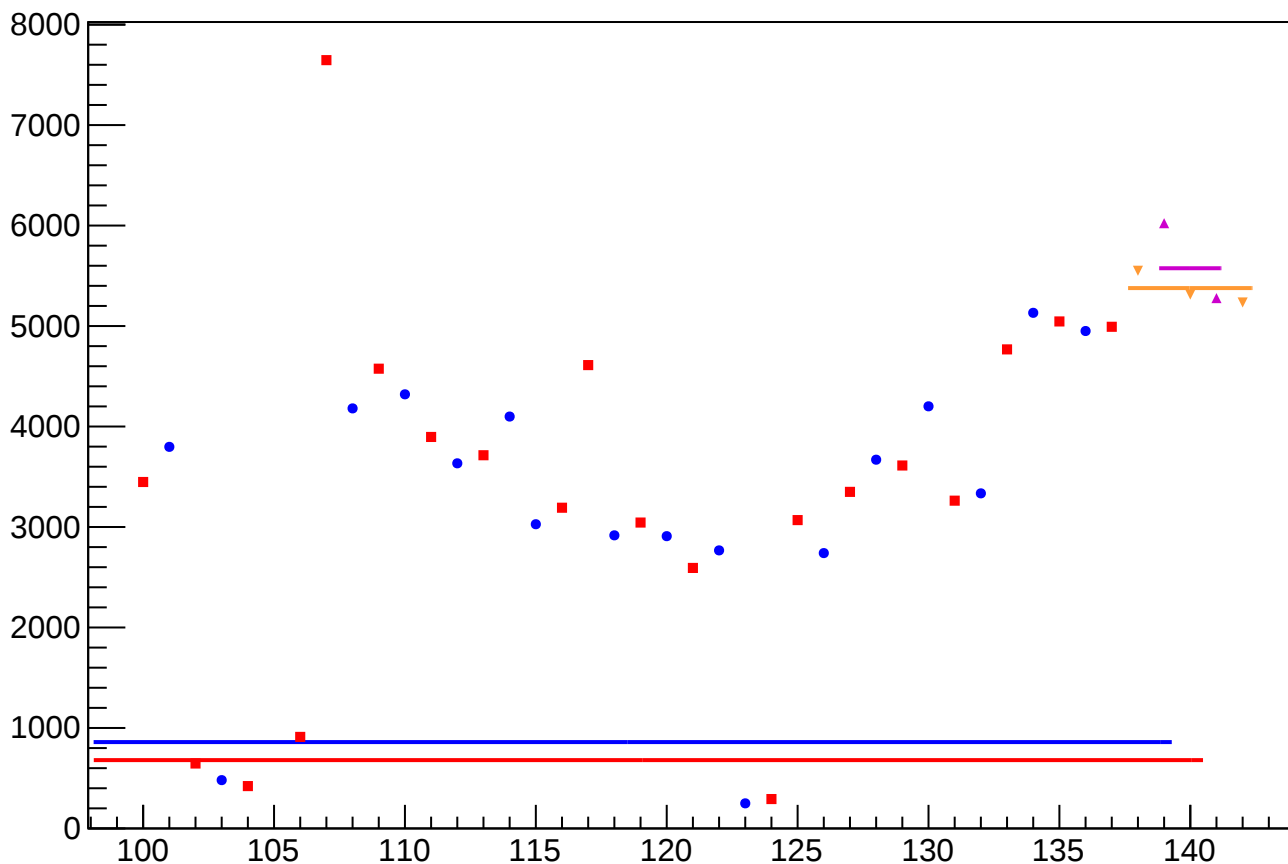
Right Out: -168.343+/-433.469 χ^2/NDF : 21.7/19

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

427.652+/-535.171 χ^2/NDF : 20.2/19

-148.670+/-431.447 χ^2/NDF : 21.9/21

asym_atl_avg_correction_rms vs Slug



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

Left Out: 5377.700+/-2.731 χ^2/NDF :2265.5/2

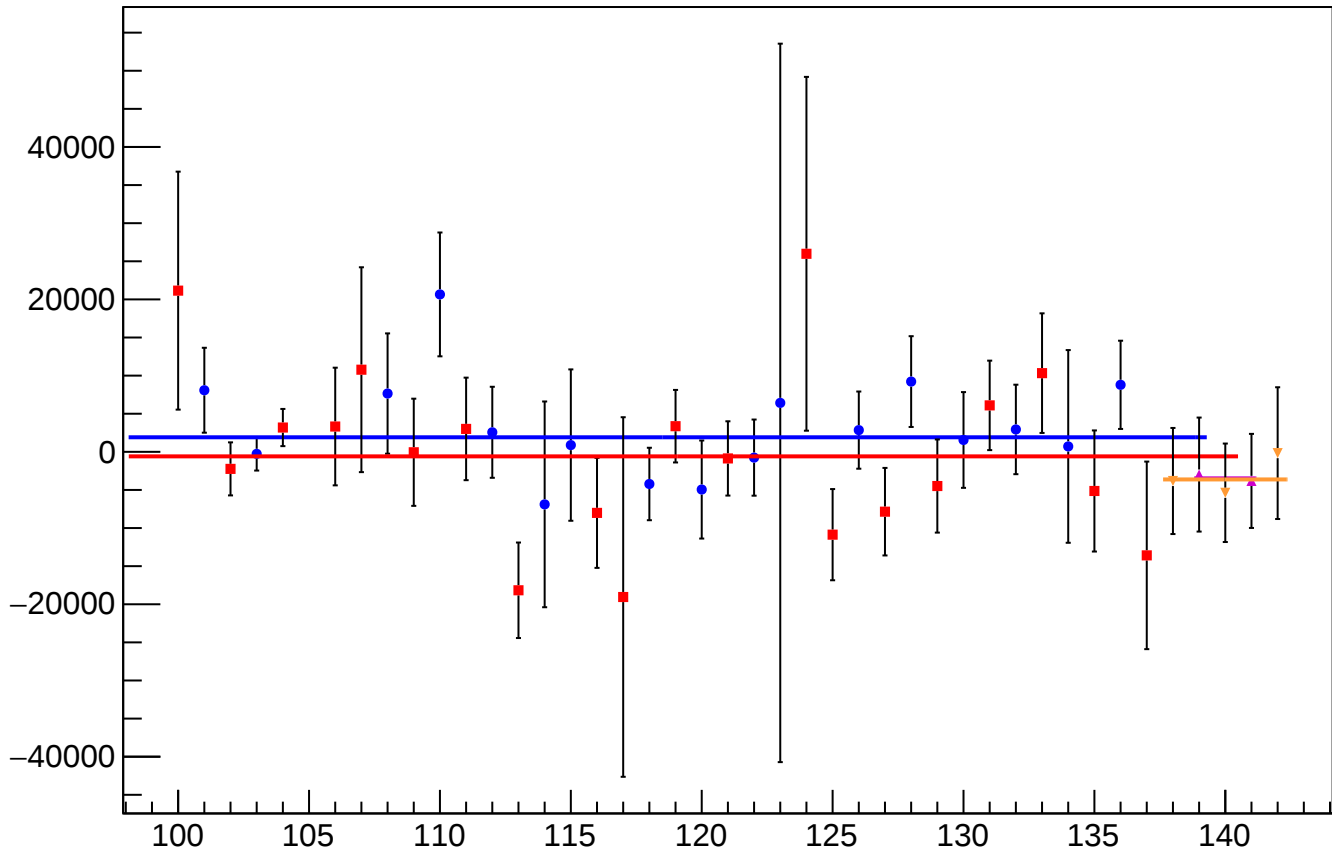
Right Out: 680.110+/-0.307 χ^2/NDF : 8447884.2/19

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

946.309+/-0.378 χ^2/NDF : 10830027.8/19

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

asym_atl_avg_mean vs Slug



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

Left Out: -3621.439+/-4152.581 χ^2/NDF : 0.2/2

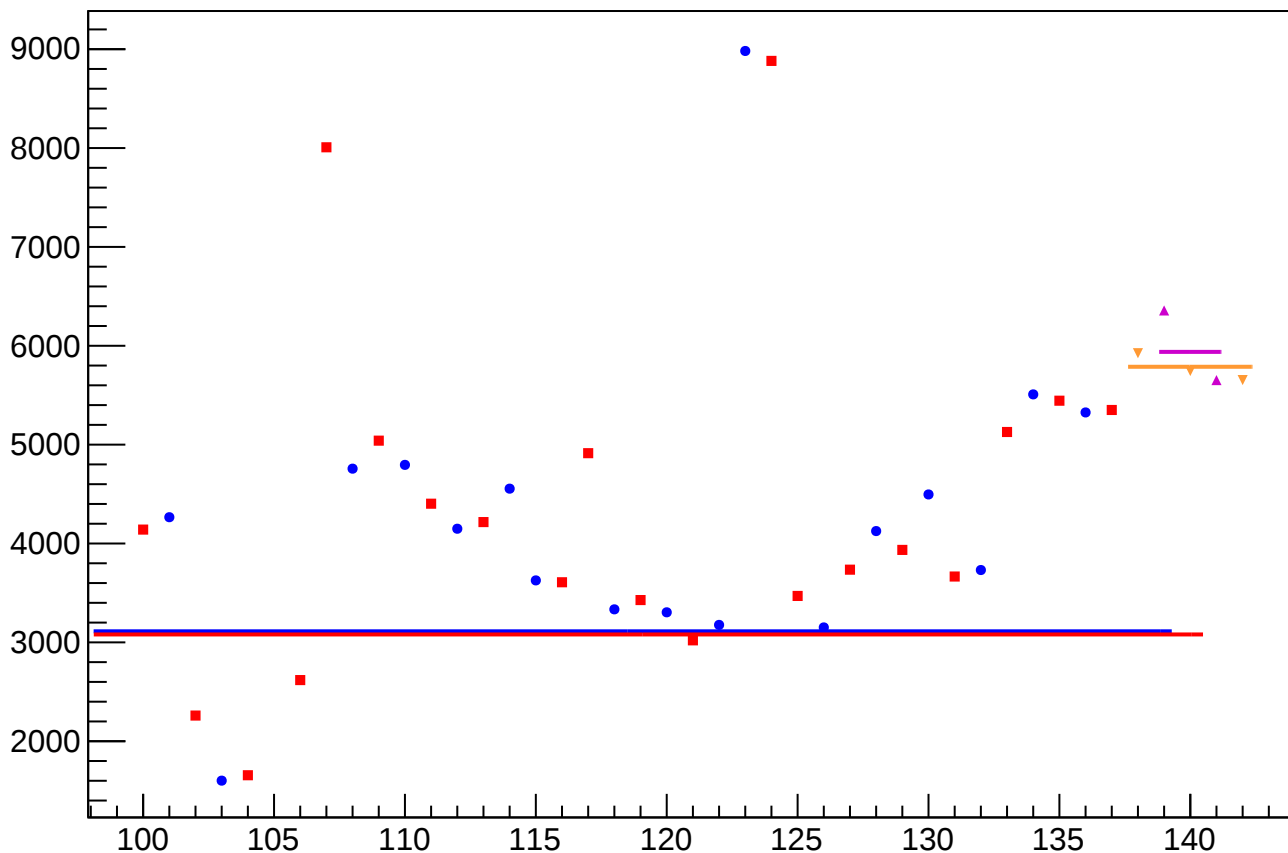
Right Out: -594.380+/-1283.911 χ^2/NDF : 27.0/19

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

1408.596+/-1249.499 χ^2/NDF : 16.5/19

-789.923+/-1239.616 χ^2/NDF : 27.3/21

asym_atl_avg_rms vs Slug



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

Left Out: 5787.657+/-2.936 χ^2/NDF :1348.7/2

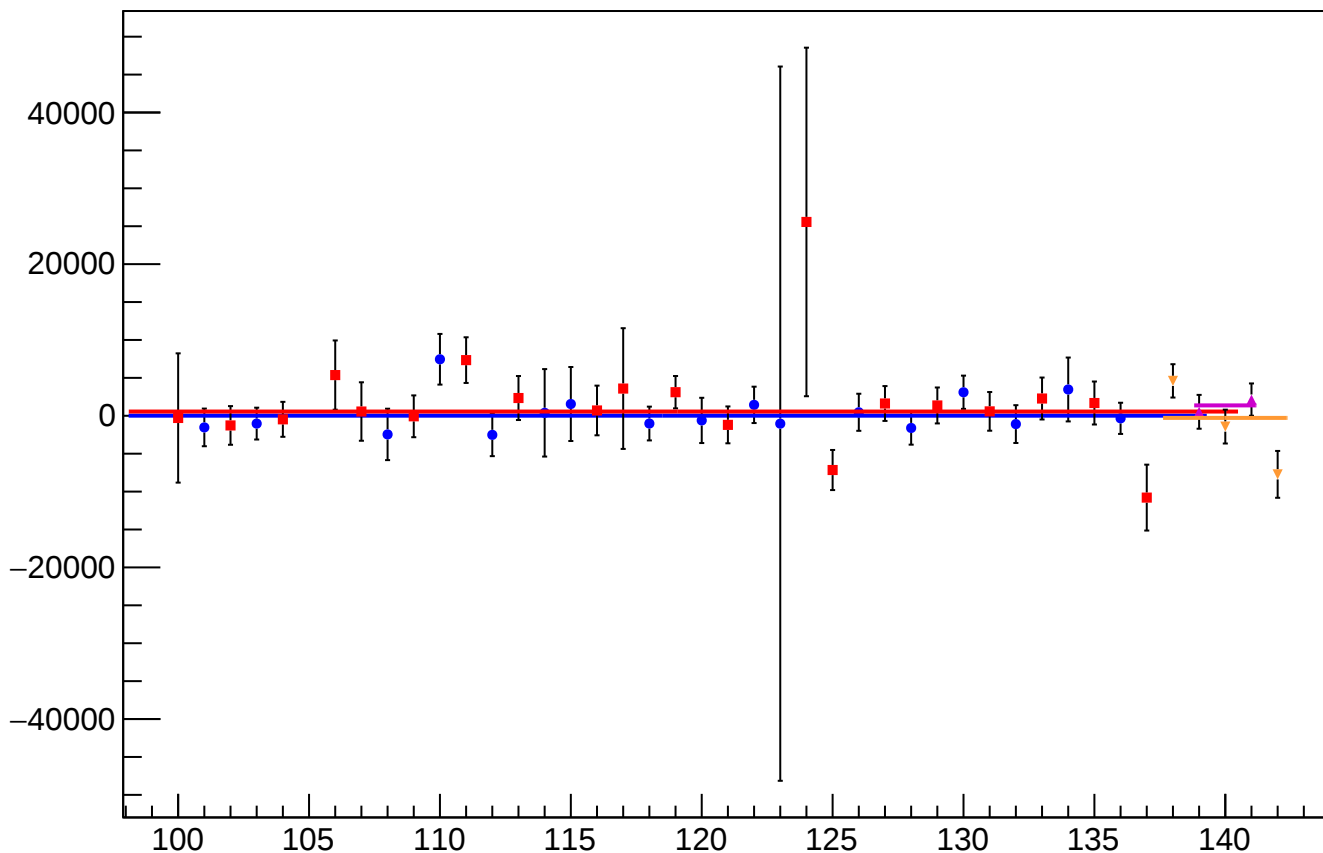
3354.090+/-0.884 χ^2/NDF : 2636166.6/19

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

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

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

reg_asym_atl_dd_mean vs Slug



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

Left Out: -280.377+/-1396.905 χ^2/NDF : 11.0/2

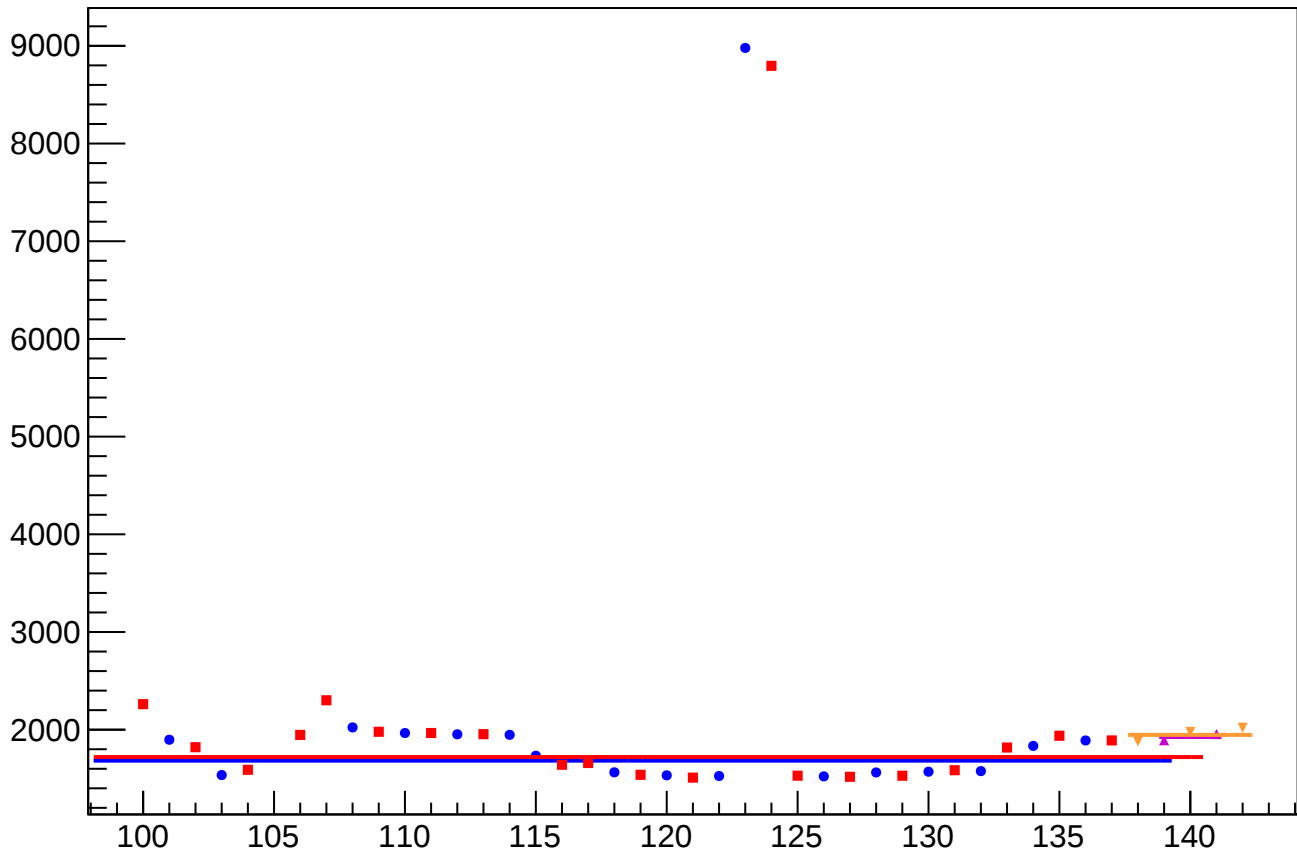
Right Out: 558.377+/-658.875 χ^2/NDF : 26.8/19

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

-39.772+/-597.560 χ^2/NDF : 22.2/19

683.675+/-605.769 χ^2/NDF : 27.3/21

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1946.916+/-0.988 χ^2/NDF : 3298.9/2

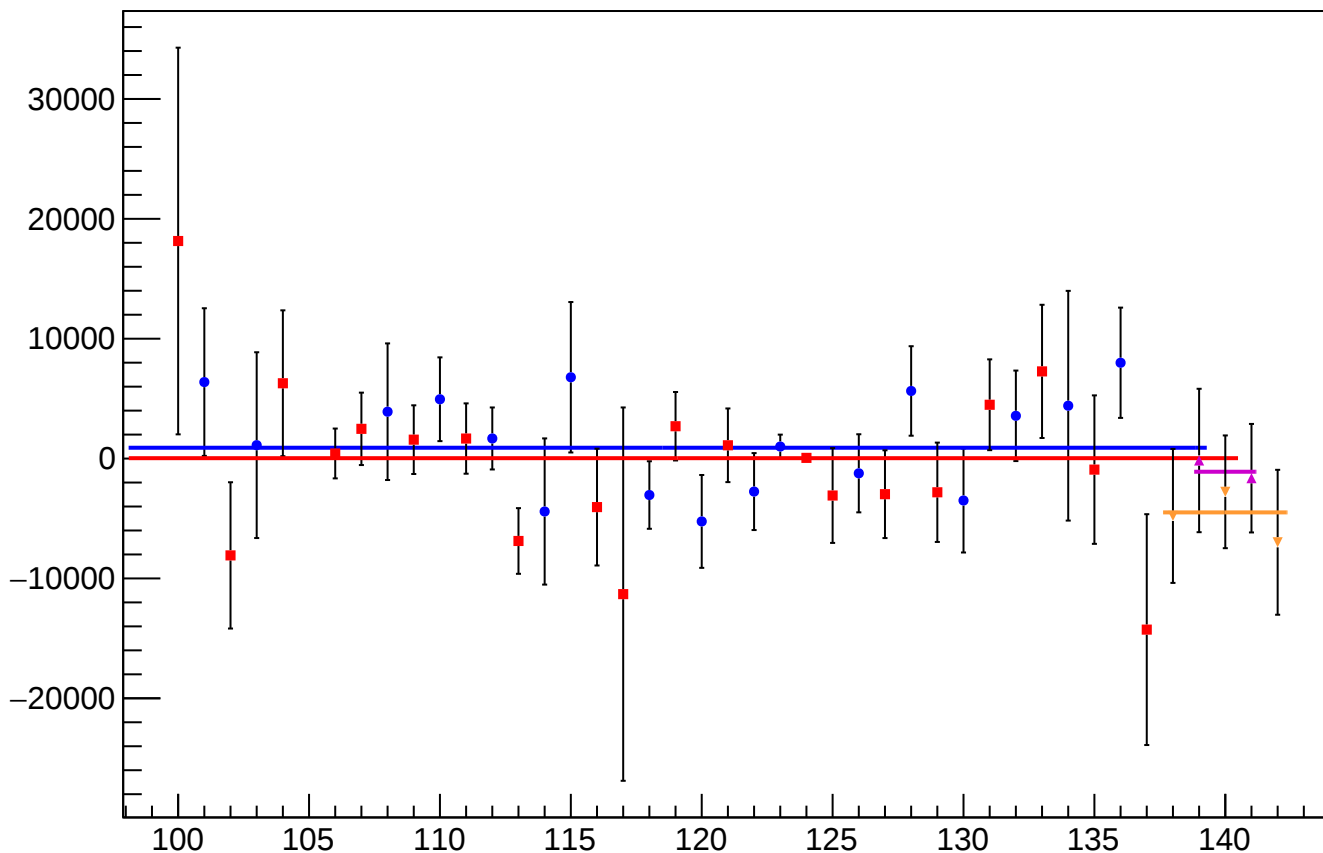
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

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

1731.505+/-0.423 χ^2/NDF : 257403.0/19

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

asym_atl_dd_correction_mean vs Slug



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

Left Out: -4491.081+/-3092.027 χ^2/NDF : 0.3/2

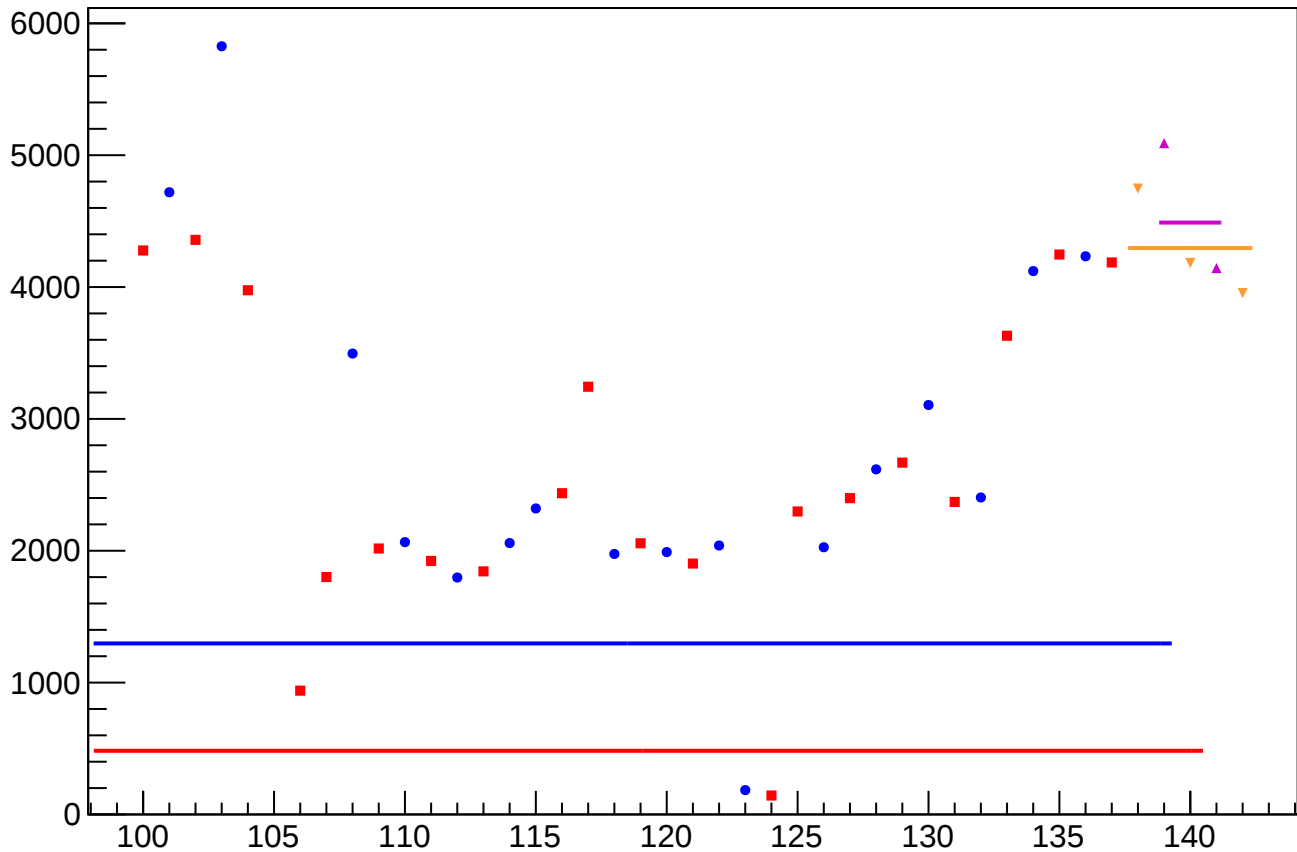
Right Out: 32.177+/-357.083 χ^2/NDF : 21.0/19

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

636.359+/-687.882 χ^2/NDF : 19.2/19

21.211+/-355.348 χ^2/NDF : 21.2/21

asym_atl_dd_correction_rms vs Slug



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

Left Out: 4295.825+/-2.186 χ^2/NDF : 20562.2/2

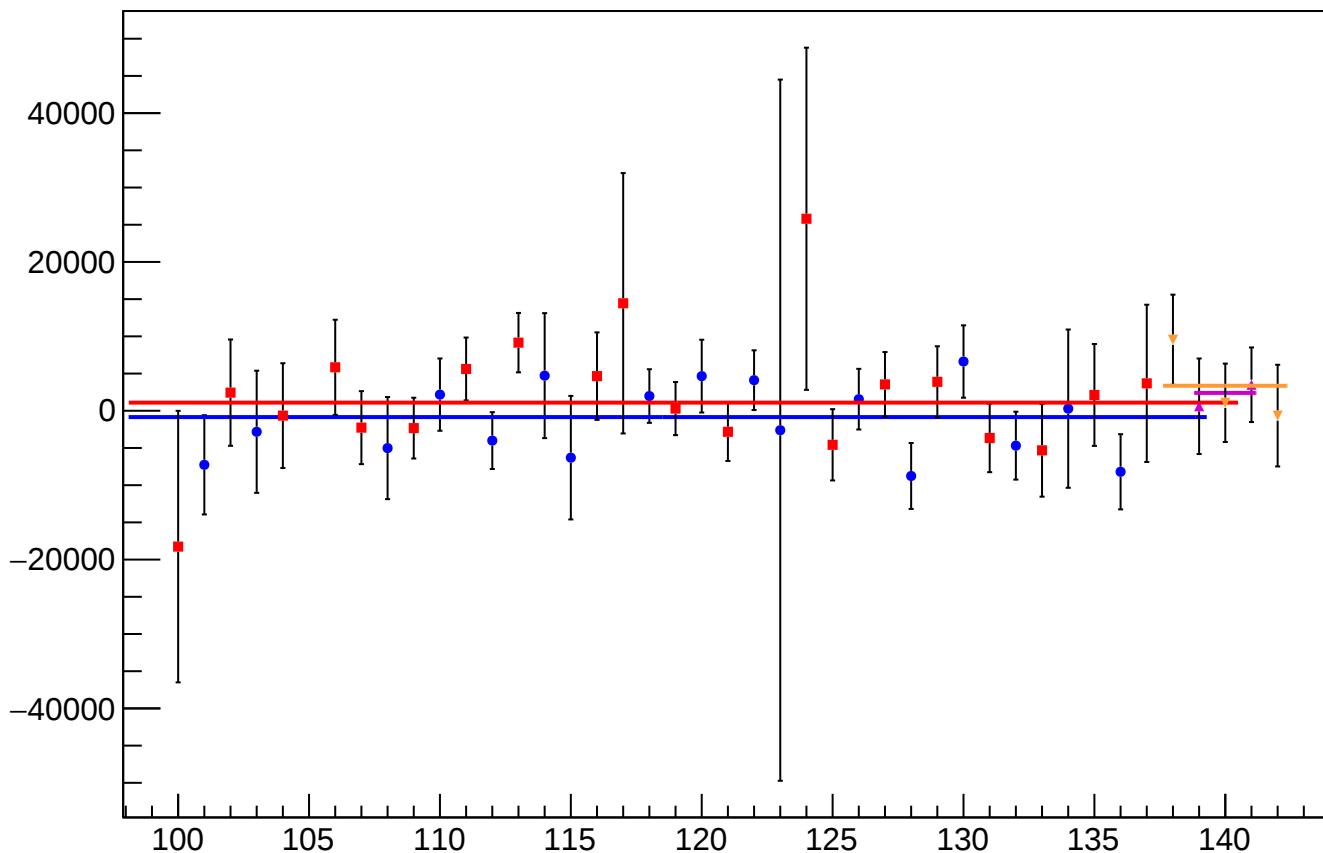
1445.424+/-0.486 χ^2/NDF : 8318303.6/19

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

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

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

asym_atl_dd_mean vs Slug



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

Left Out: 3359.924+/-3436.187 χ^2/NDF : 1.6/2

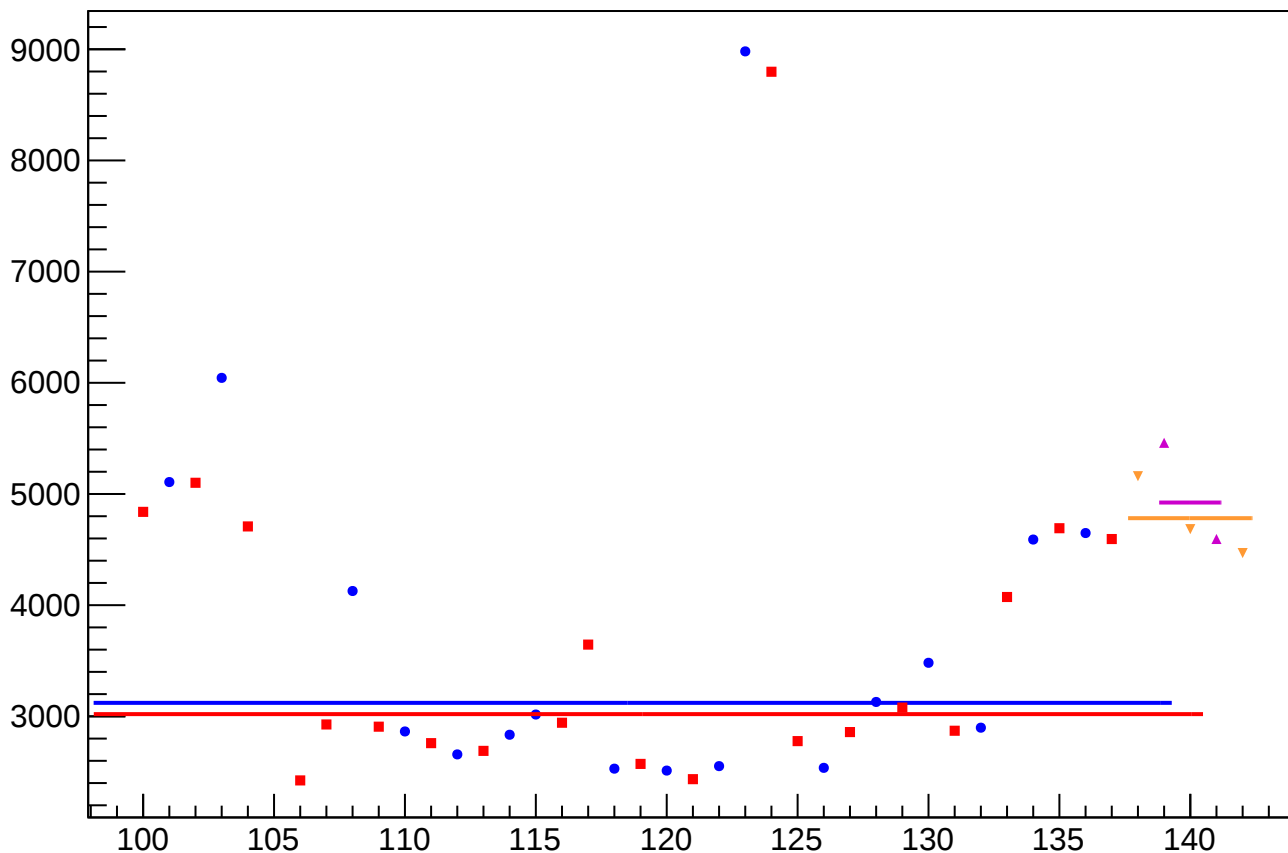
Right Out: 1095.033+/-1187.966 χ^2/NDF : 15.6/19

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

-349.761+/-1183.826 χ^2/NDF : 18.3/19

1203.322+/-1137.660 χ^2/NDF : 15.8/21

asym_atl_dd_rms vs Slug



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

Left Out: 4782.455+/-2.430 χ^2/NDF :12676.8/2

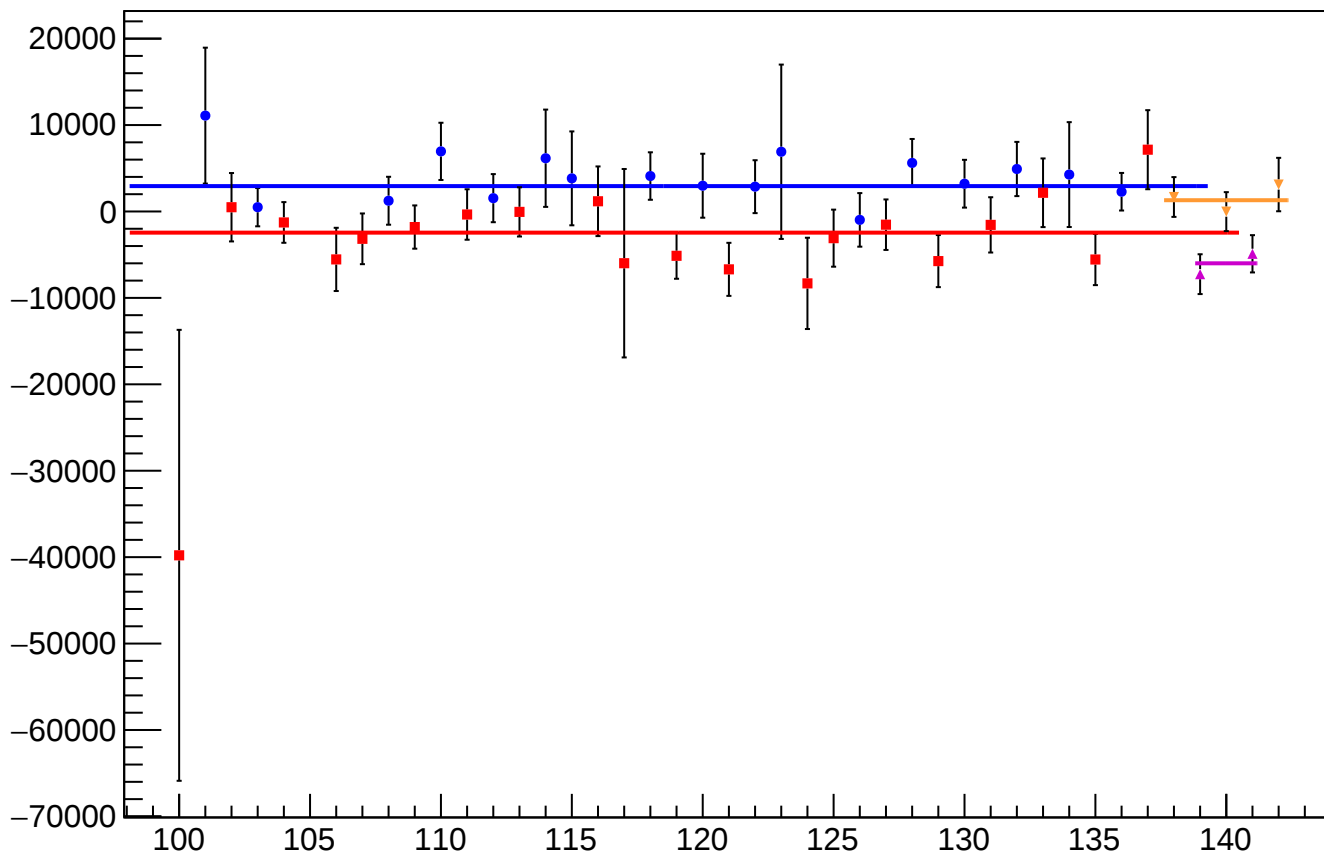
Right Out: 3020.039+/-0.830 χ^2/NDF : 794563.8/19

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

3318.567+/-0.837 χ^2/NDF : 1370258.7/19

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

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1303.398+/-1428.075 χ^2/NDF : 0.7/2

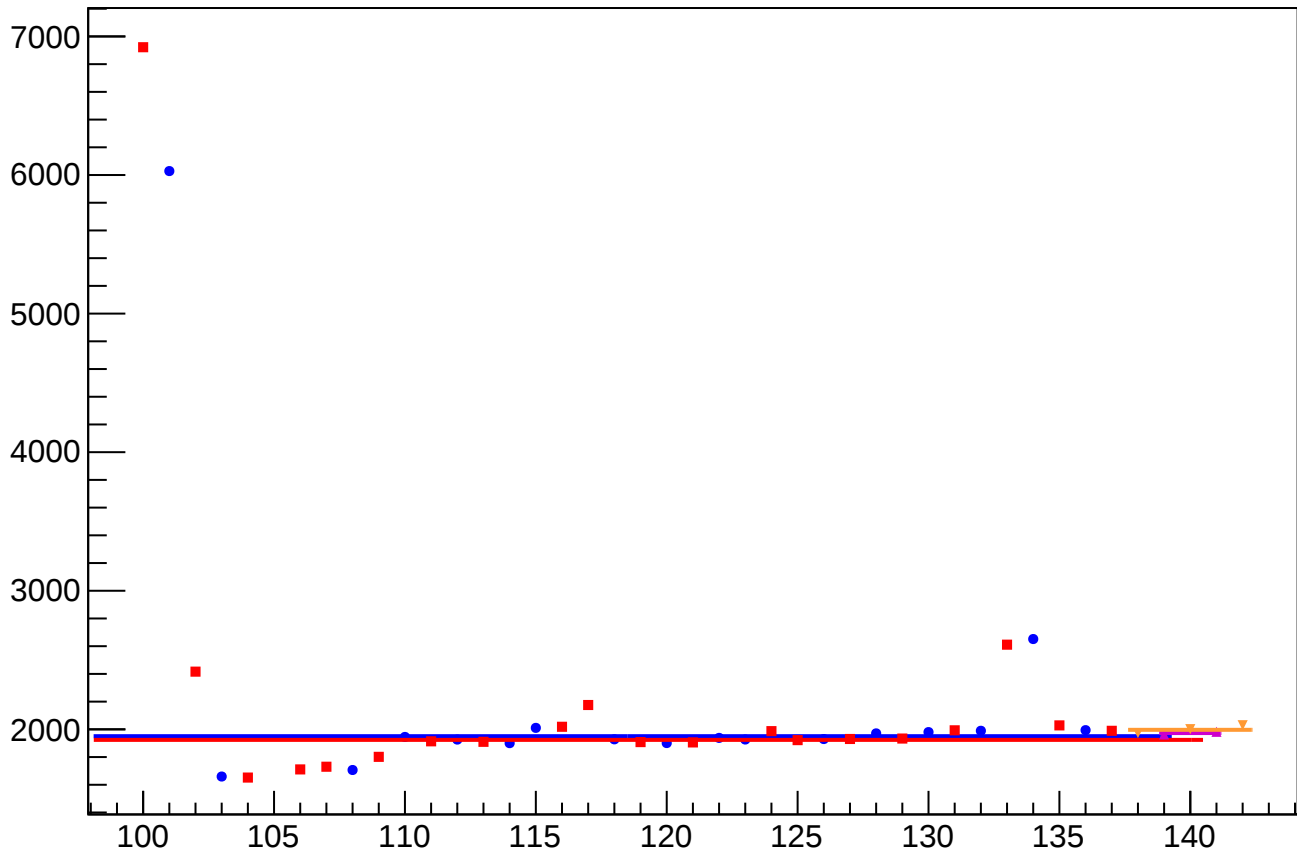
Right Out: -2449.072+/-738.715 χ^2/NDF : 18.3/19

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

2564.167+/-681.407 χ^2/NDF : 9.9/19

-3089.364+/-668.770 χ^2/NDF : 23.0/21

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1996.503+/-1.010 χ^2/NDF : 445.3/2

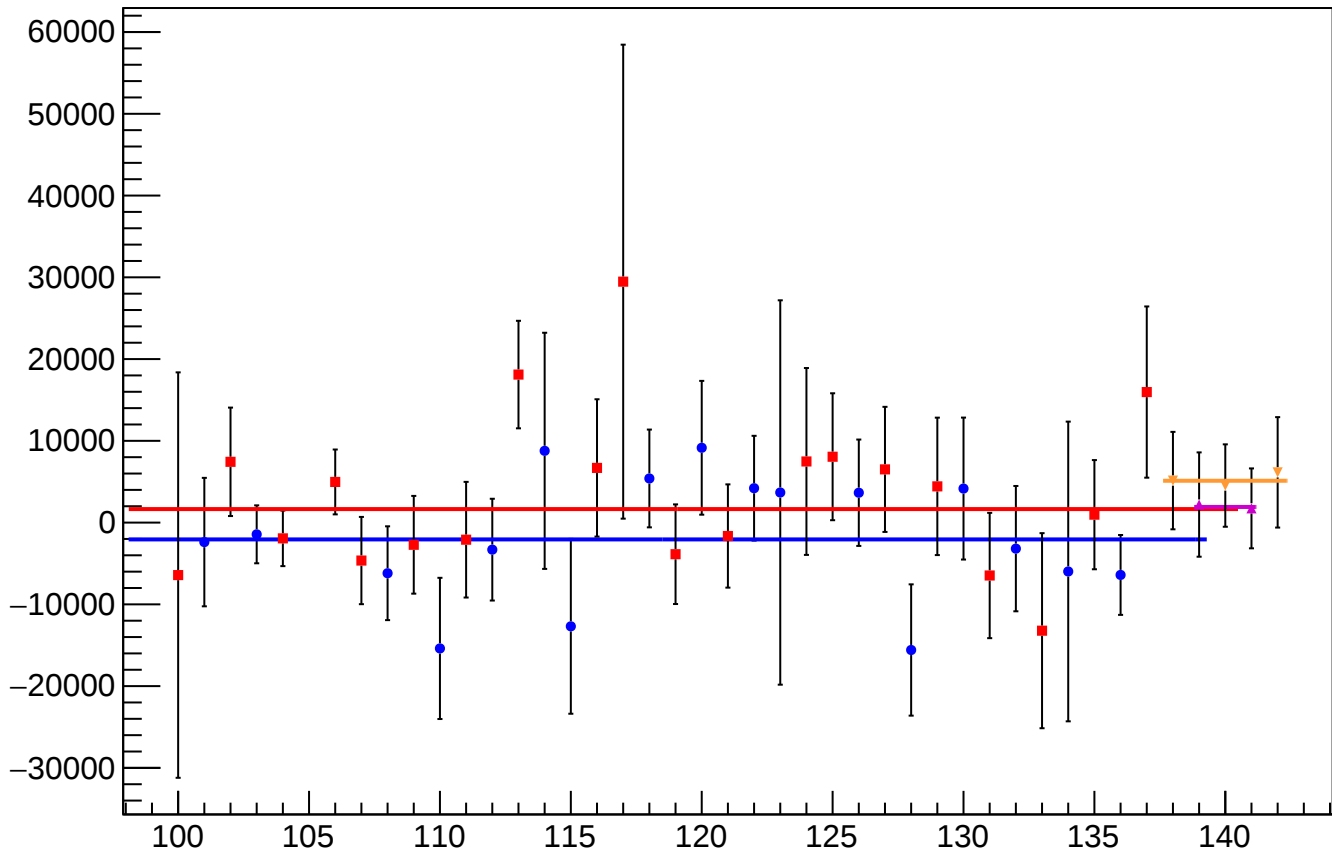
Right Out: 1923.907+/-0.521 χ^2/NDF : 218470.6/19

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

1961.062+/-0.482 χ^2/NDF : 619372.4/19

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

asym_atr_avg_correction_mean vs Slug



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

Left Out: 5117.718+/-3343.446 χ^2/NDF : 0.0/2

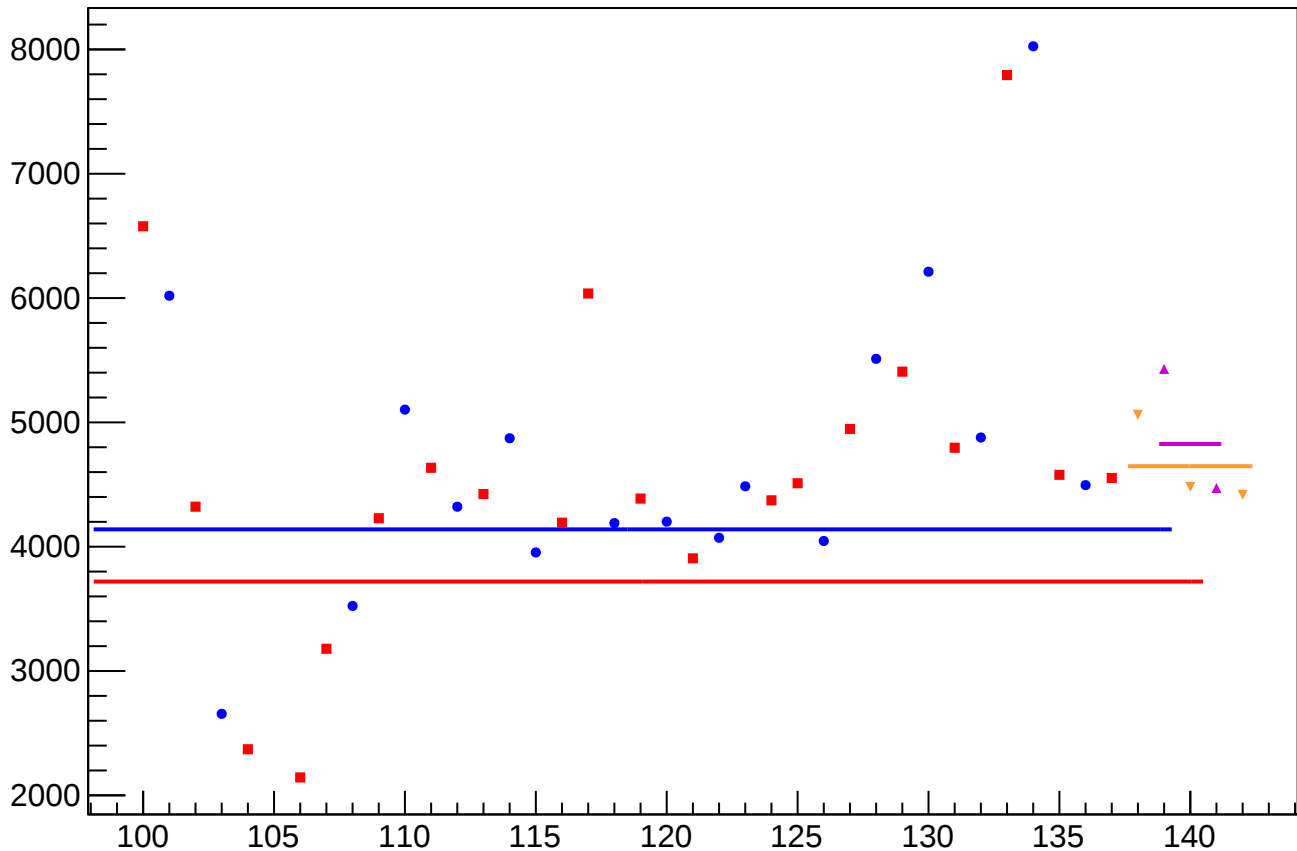
Right Out: 1652.978+/-1475.490 χ^2/NDF : 19.5/19

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

-636.566+/-1487.603 χ^2/NDF : 17.7/19

1685.763+/-1379.117 χ^2/NDF : 19.5/21

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4647.773+/-2.364 χ^2/NDF : 14134.6/2

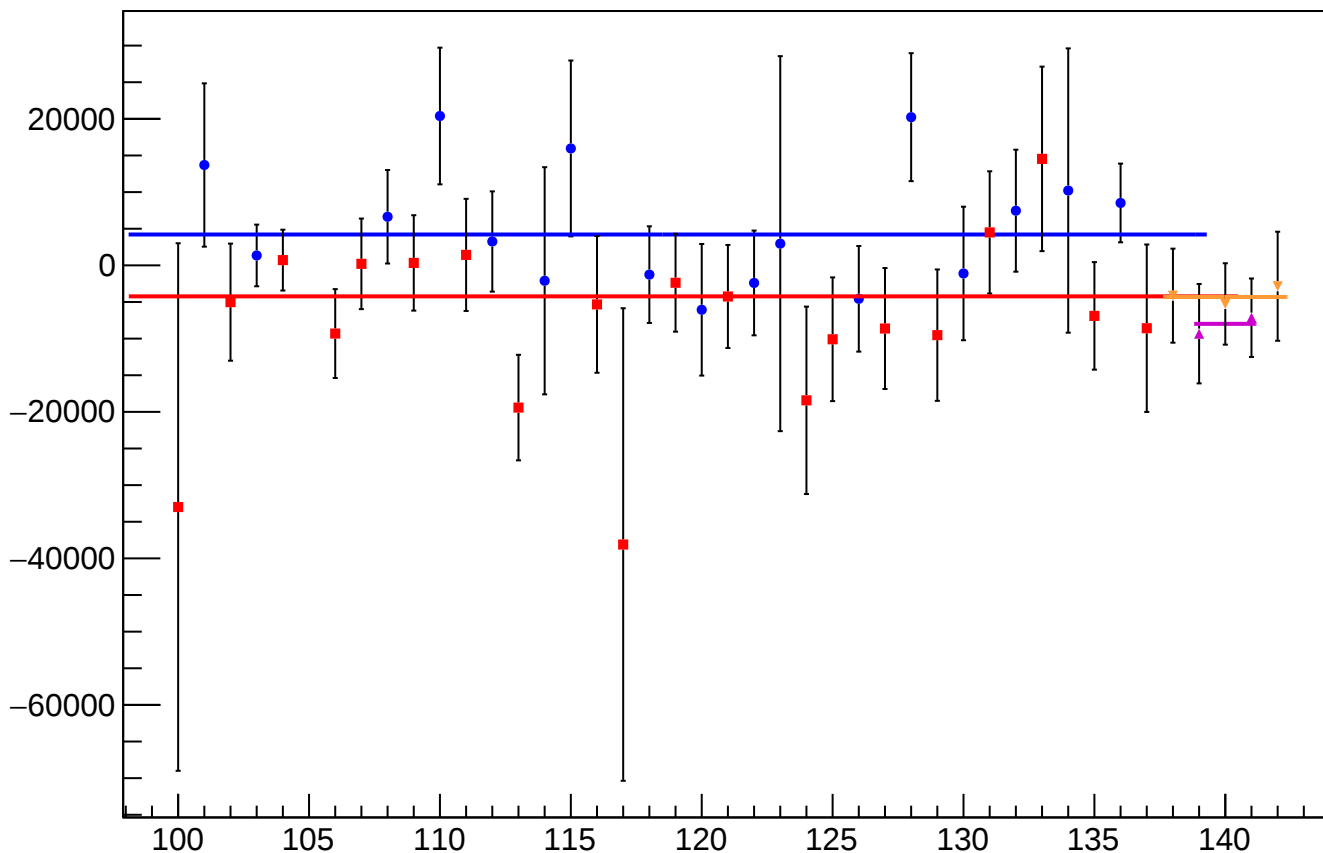
4240.035+/-1.052 χ^2/NDF : 864771.4/19

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

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

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

asym_atr_avg_mean vs Slug



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

Left Out: -4317.249 ± 3658.292 χ^2/NDF : 0.1/2

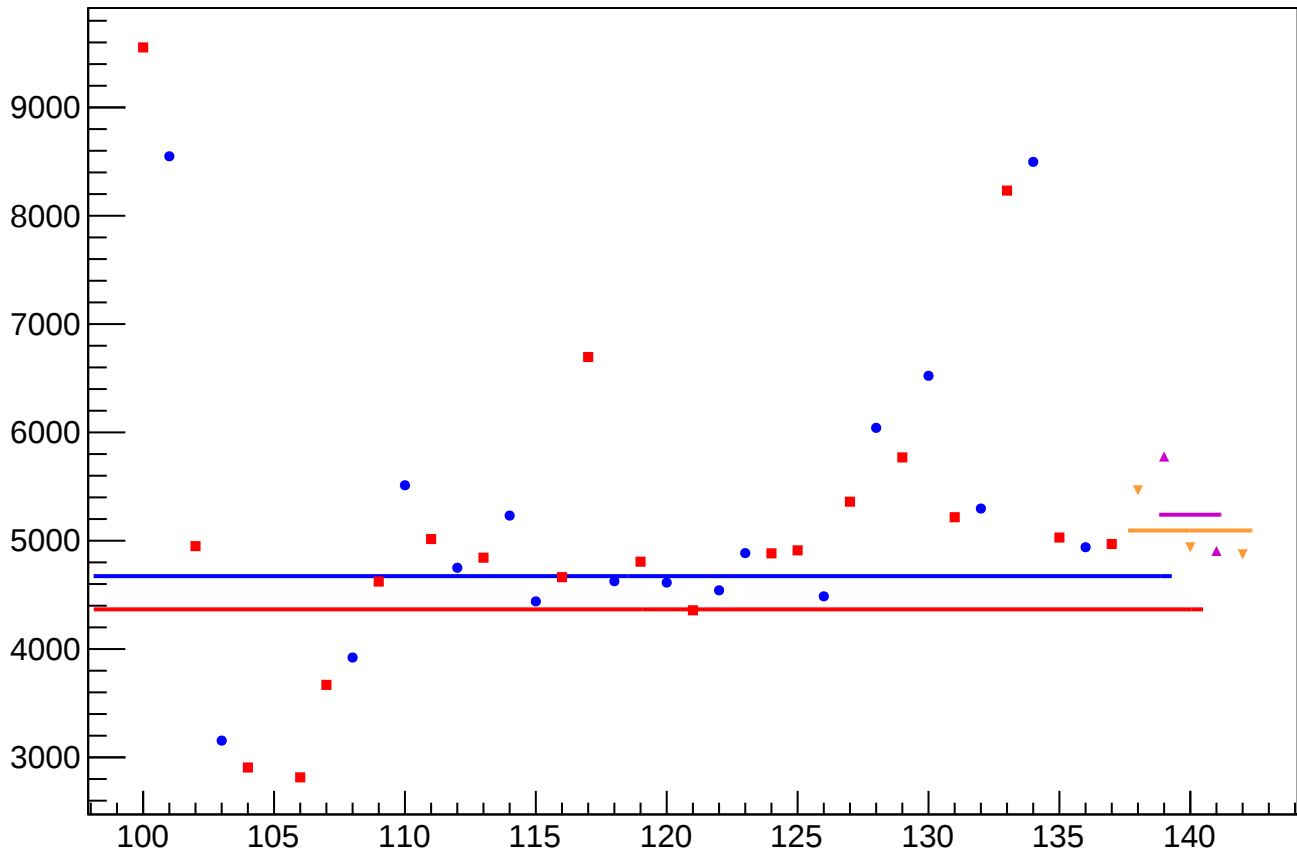
Right Out: -4230.596 ± 1722.878 χ^2/NDF : 15.9/19

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

2442.984 ± 1665.995 χ^2/NDF : 18.8/19

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

asym_atr_avg_rms vs Slug



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

Left Out: 5094.366+/-2.587 χ^2/NDF : 9982.7/2

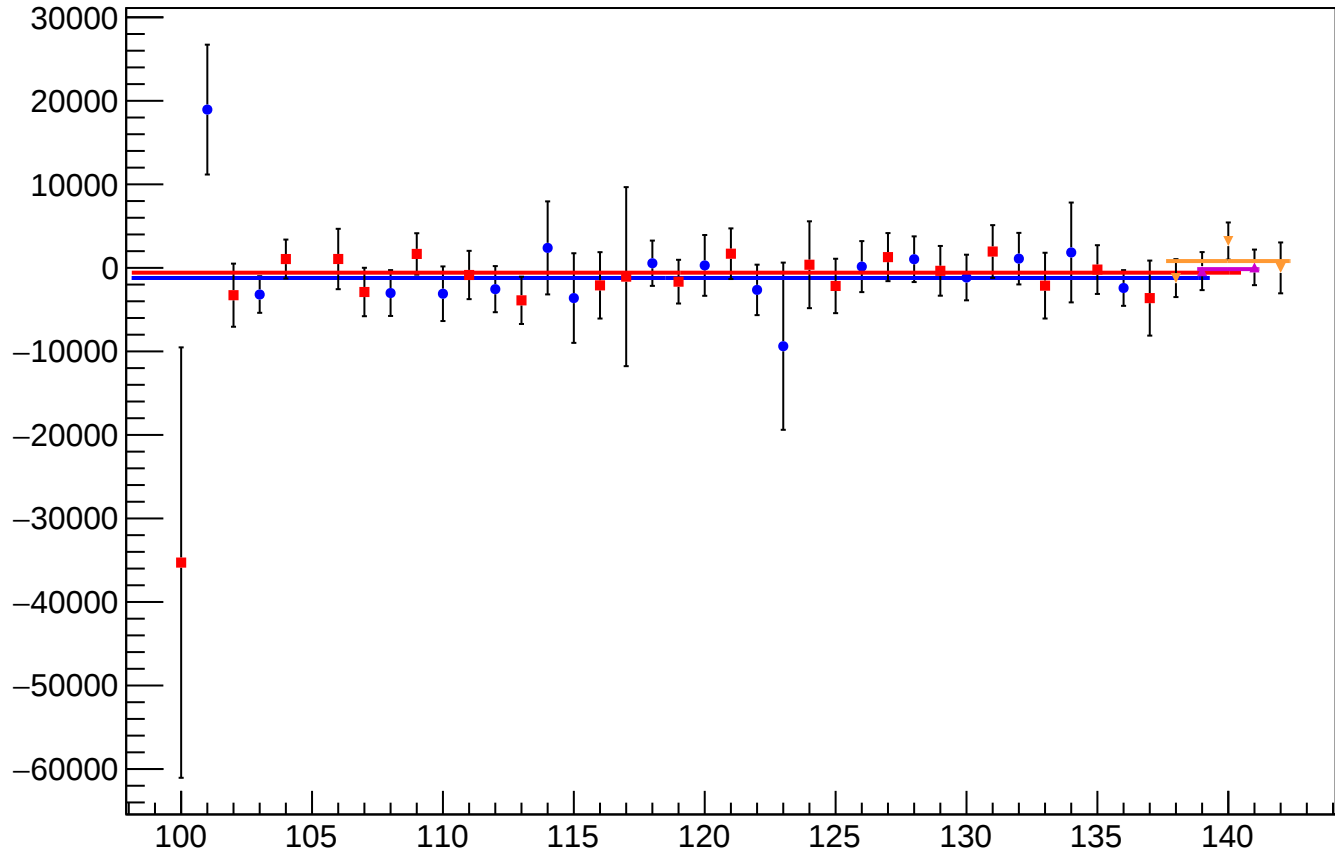
Right Out: 4366.422+/-1.211 χ^2/NDF : 842654.3/19

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

4760.424+/-1.178 χ^2/NDF : 808329.8/19

4490.851+/-1.122 χ^2/NDF : 937081.5/21

reg_asym_atr_dd_mean vs Slug



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

Left Out: 815.352 ± 1408.844 χ^2/NDF : 2.0/2

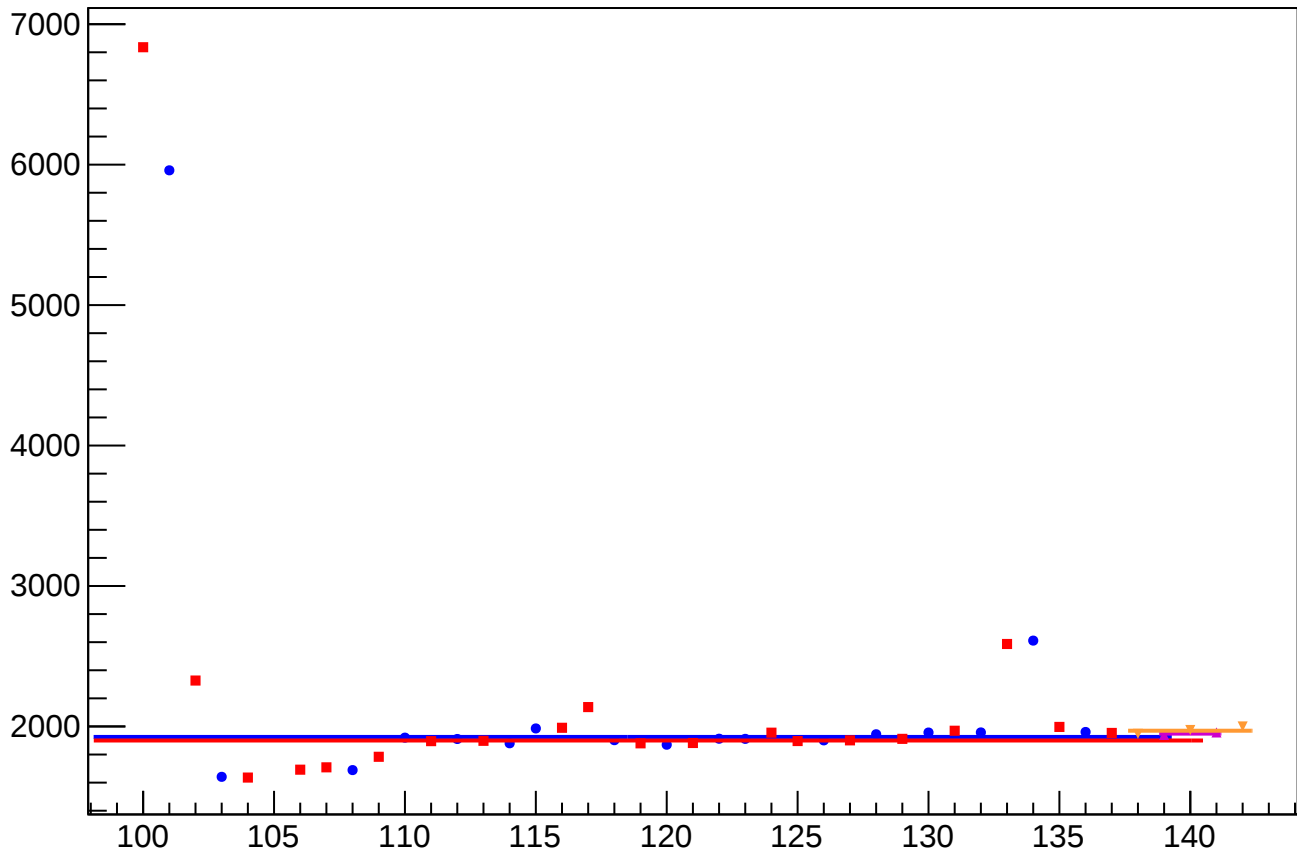
Right Out: -575.663 ± 728.976 χ^2/NDF : 8.7/19

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

-749.445 ± 672.483 χ^2/NDF : 16.3/19

-498.692 ± 660.056 χ^2/NDF : 8.8/21

reg_asym_atr_dd_rms vs Slug



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

Left Out: 1969.546+/-0.996 χ^2/NDF : 402.8/2

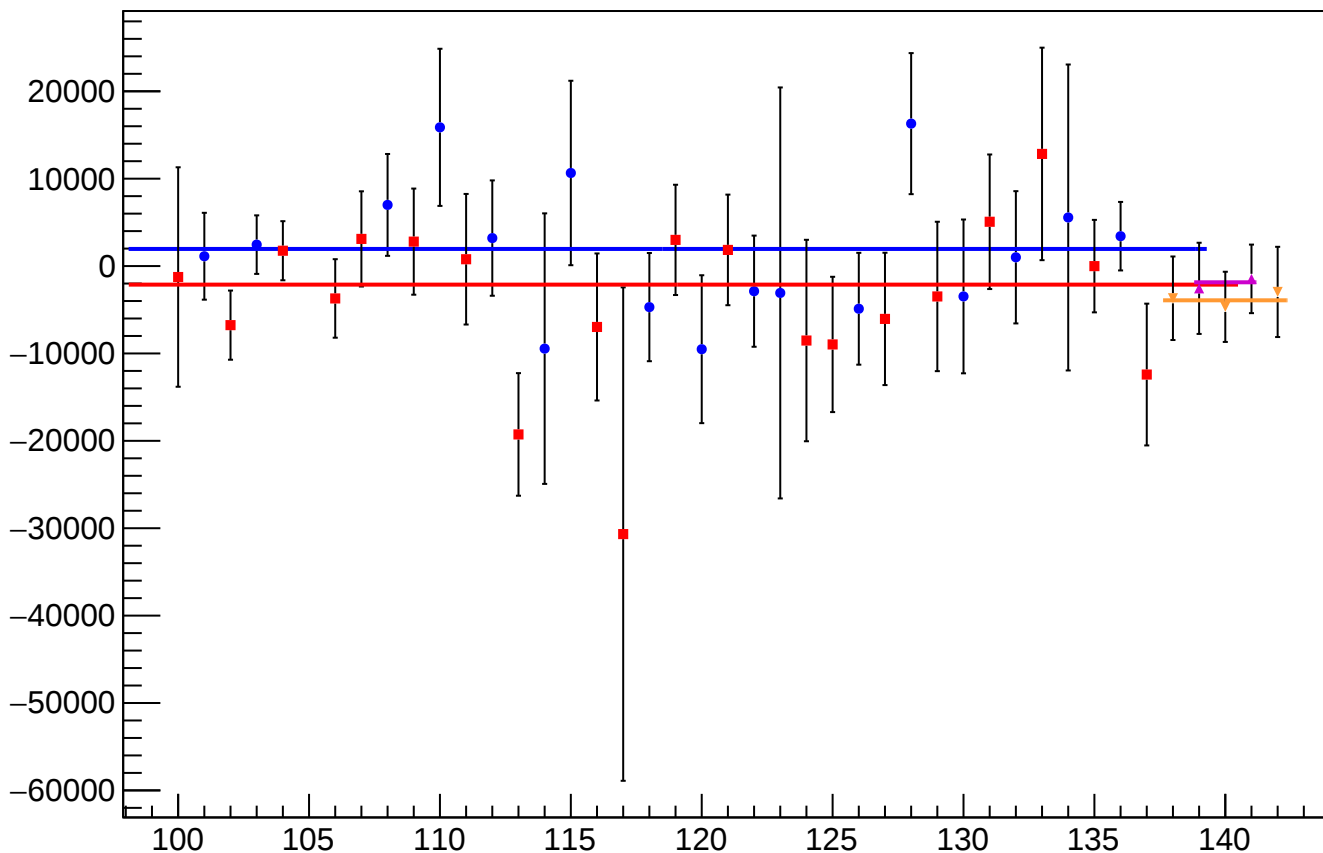
Right Out: 1899.955+/-0.514 χ^2/NDF : 211865.1/19

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

1935.397+/-0.476 χ^2/NDF : 617788.2/19

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

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 $\pm$ 1556.840 χ^2 /NDF: 12.9/16

Left Out: -3919.318 $\pm$ 2641.583 χ^2 /NDF: 0.1/2

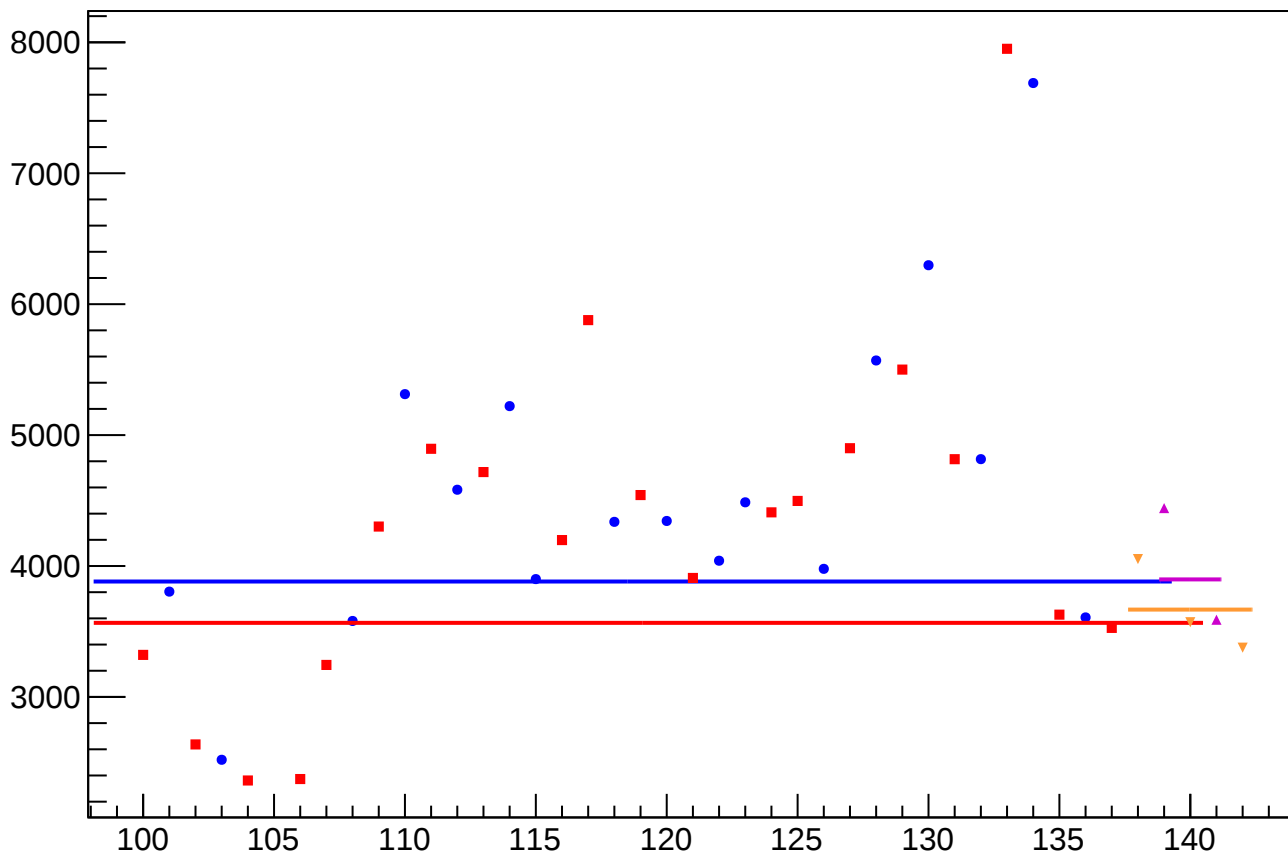
Right Out: -2124.415 $\pm$ 1411.872 χ^2 /NDF: 18.5/19

Left In: -1857.379 $\pm$ 3135.185 χ^2 /NDF: 0.0/1

443.620 $\pm$ 1341.235 χ^2 /NDF: 16.7/19

-2079.391 $\pm$ 1287.357 χ^2 /NDF: 18.5/21

asym_atr_dd_correction_rms vs Slug



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

Left Out: 3667.152 +/- 1.868 χ^2/NDF : 20539.6/2

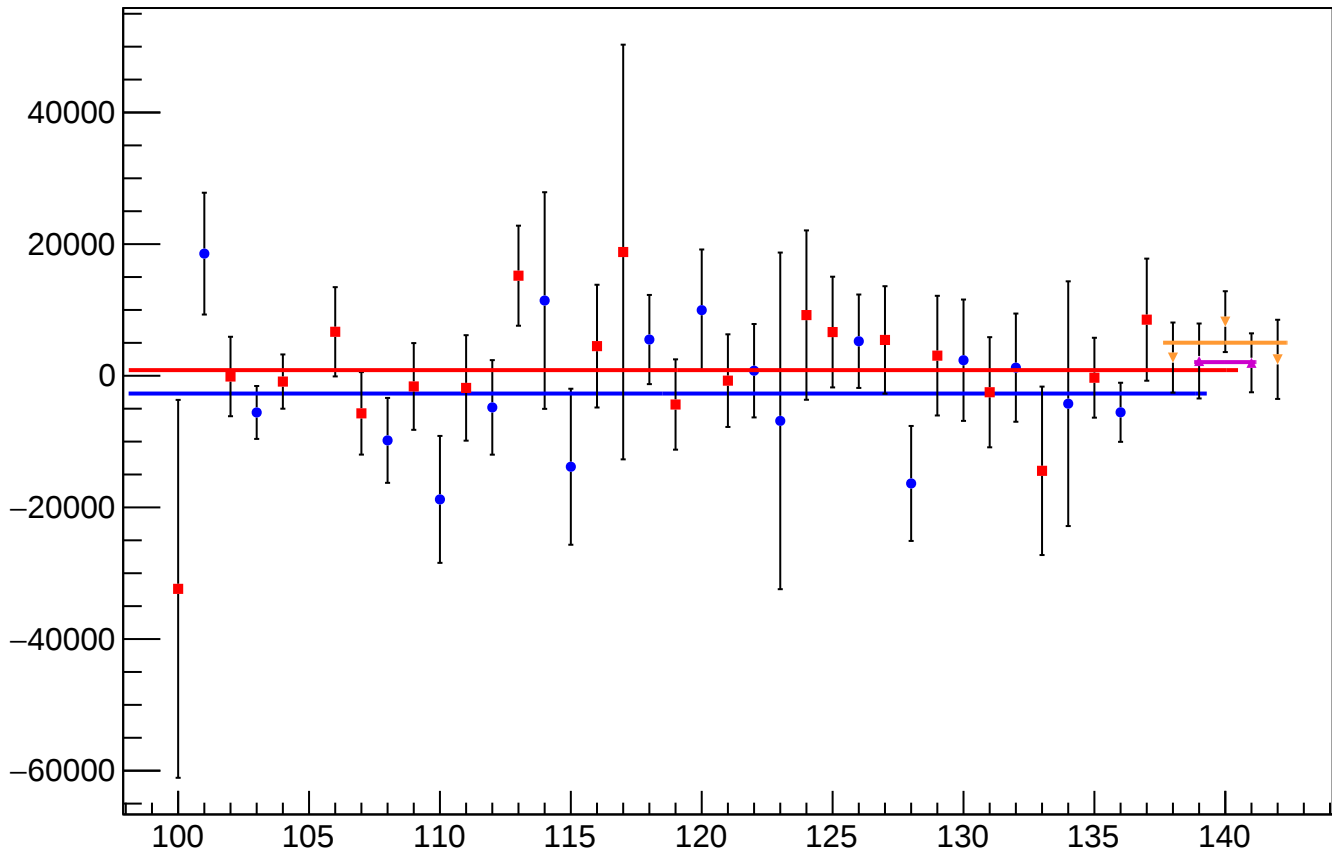
Right Out: 3565.851 +/- 0.998 χ^2/NDF : 1254973.6/19

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

3826.299 +/- 0.948 χ^2/NDF : 847787.0/19

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

asym_atr_dd_mean vs Slug



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

Left Out: 5023.455 ± 3020.020 χ^2/NDF : 0.8/2

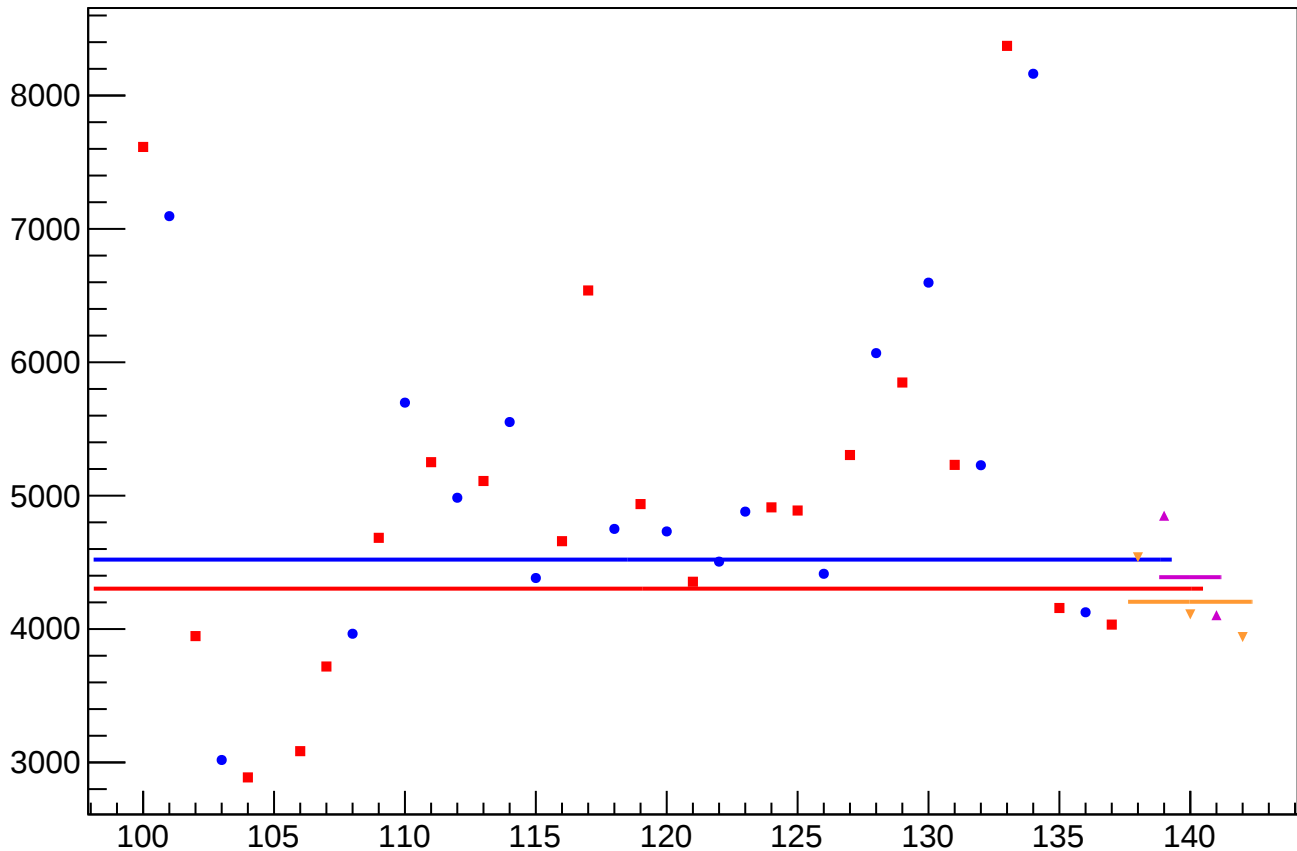
Right Out: 857.617 ± 1687.925 χ^2/NDF : 11.9/19

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

-660.979 ± 1551.922 χ^2/NDF : 25.4/19

1085.069 ± 1521.940 χ^2/NDF : 12.0/21

asym_atr_dd_rms vs Slug



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

Left Out: 4204.512+/-2.135 χ^2/NDF : 12526.4/2

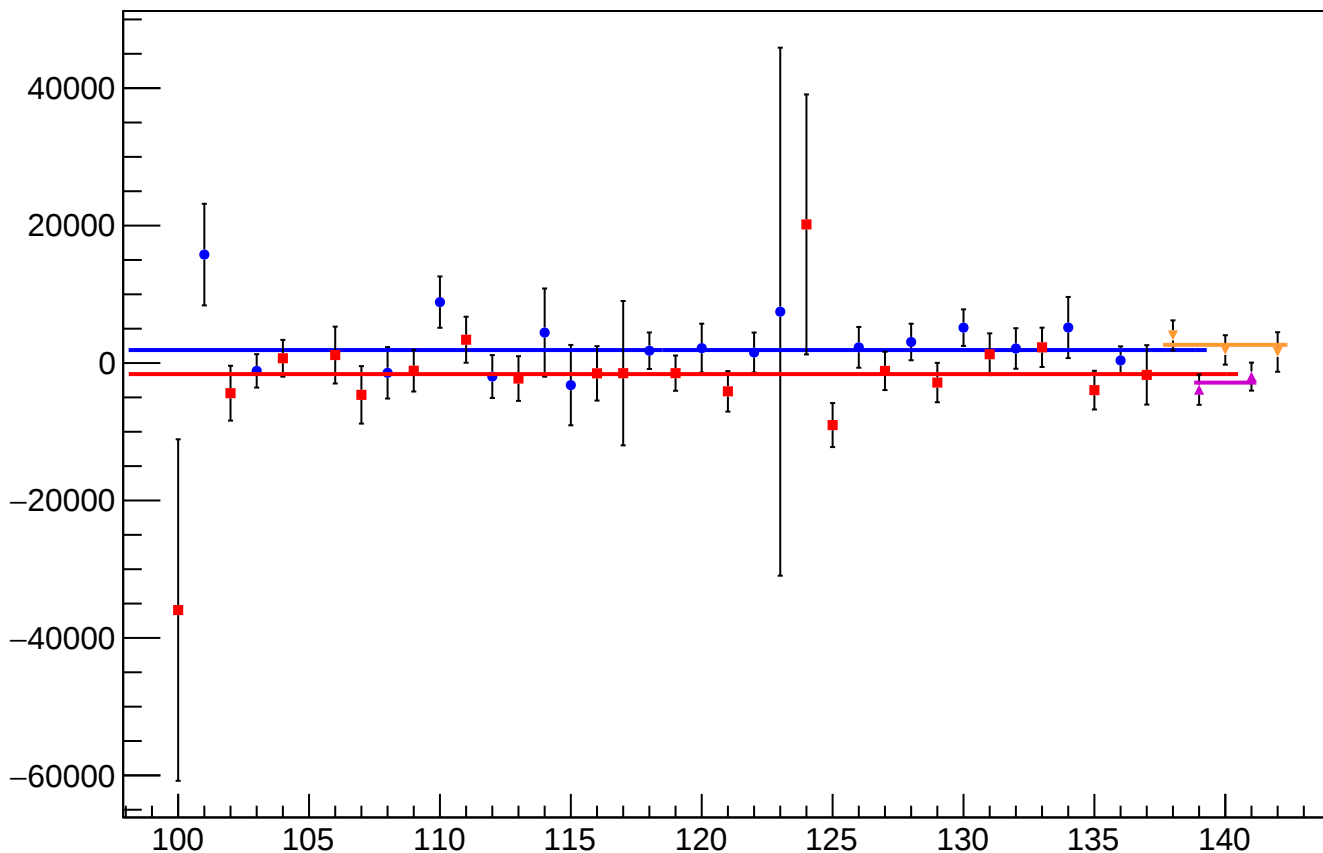
4437.193+/-1.097 χ^2/NDF : 799546.1/19

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

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

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

reg_asym_at1_avg_mean vs Slug



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

Left Out: 2648.454+/-1351.415 χ^2/NDF : 0.6/2

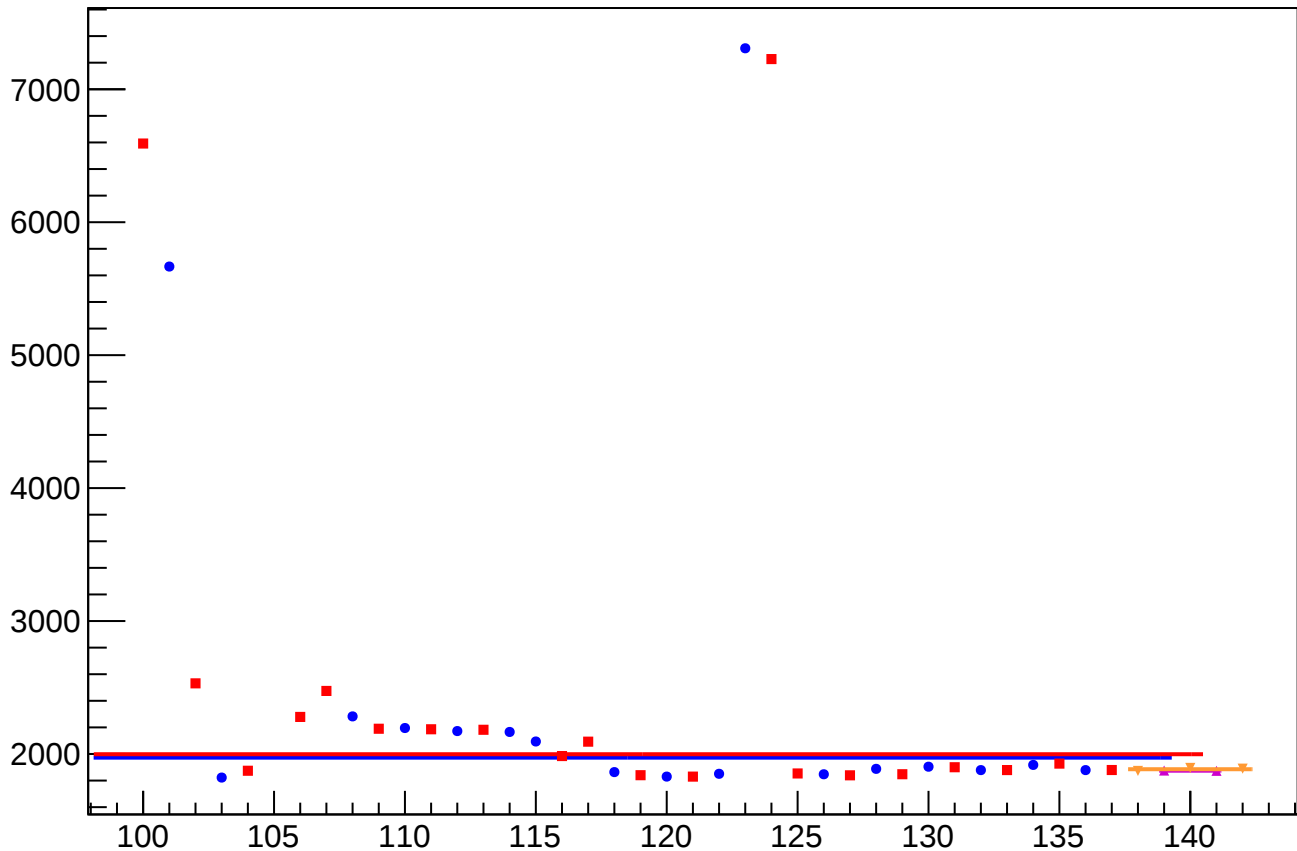
Right Out: -1609.604+/-763.815 χ^2/NDF : 17.5/19

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

2079.361+/-678.033 χ^2/NDF : 15.5/19

-1865.251+/-680.412 χ^2/NDF : 18.4/21

reg_asym_at1_avg_rms vs Slug



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

Left Out: 1885.345+/-0.956 χ^2/NDF :115.0/2

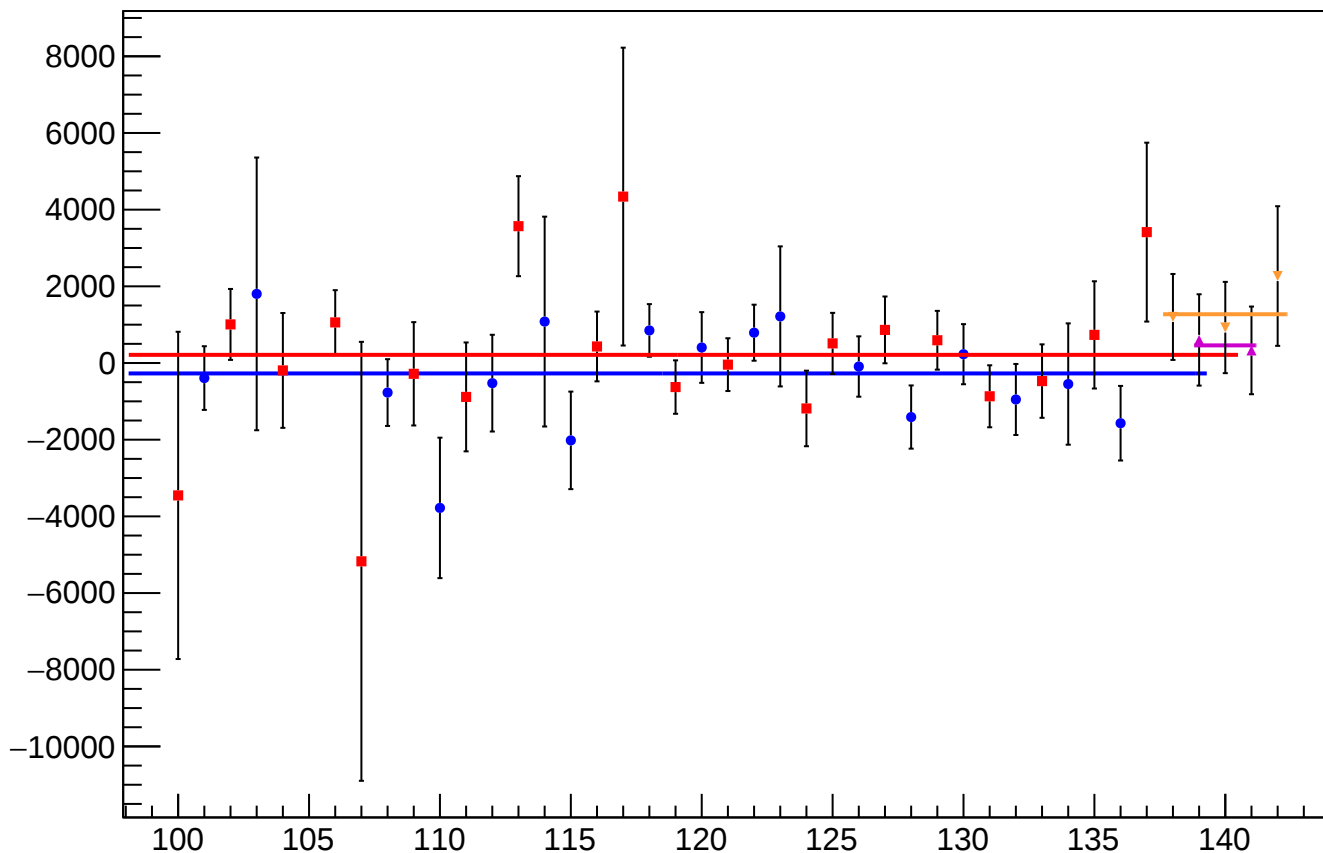
Right Out: 1998.150+/-0.540 χ^2/NDF : 355735.1/19

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

1950.549+/-0.479 χ^2/NDF : 607206.8/19

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

asym_at1_avg_correction_mean vs Slug



Right In: -271.773 $\pm$ 240.214 χ^2 /NDF: 17.2/16

Left Out: 1272.087 $\pm$ 744.733 χ^2 /NDF: 0.4/2

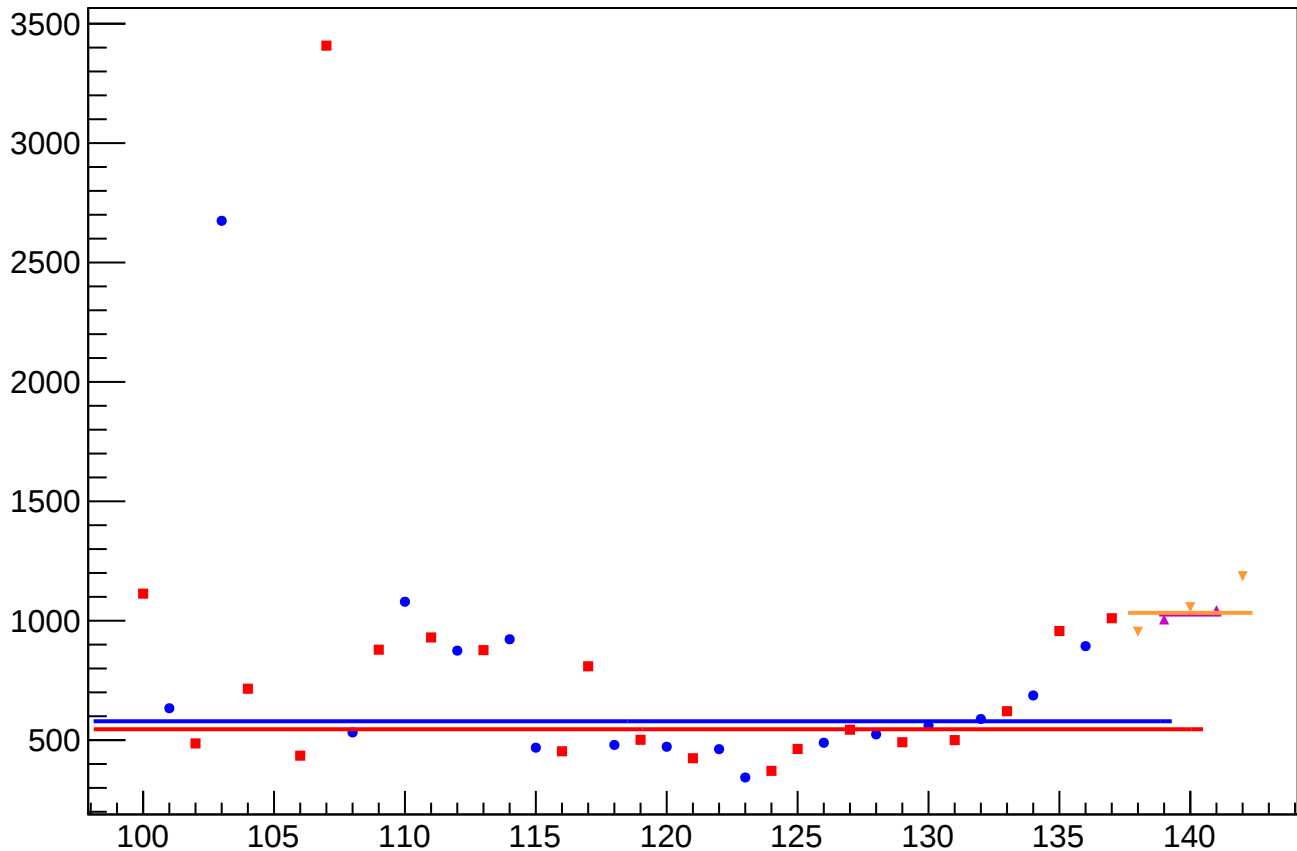
Right Out: 212.774 $\pm$ 228.638 χ^2 /NDF: 20.9/19

Left In: 459.989 $\pm$ 824.874 χ^2 /NDF: 0.0/1

-126.287 $\pm$ 228.616 χ^2 /NDF: 21.5/19

230.413 $\pm$ 220.331 χ^2 /NDF: 21.0/21

asym_at1_avg_correction_rms vs Slug



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 1033.065 $\pm$ 0.527 χ^2 /NDF:24846.0/2

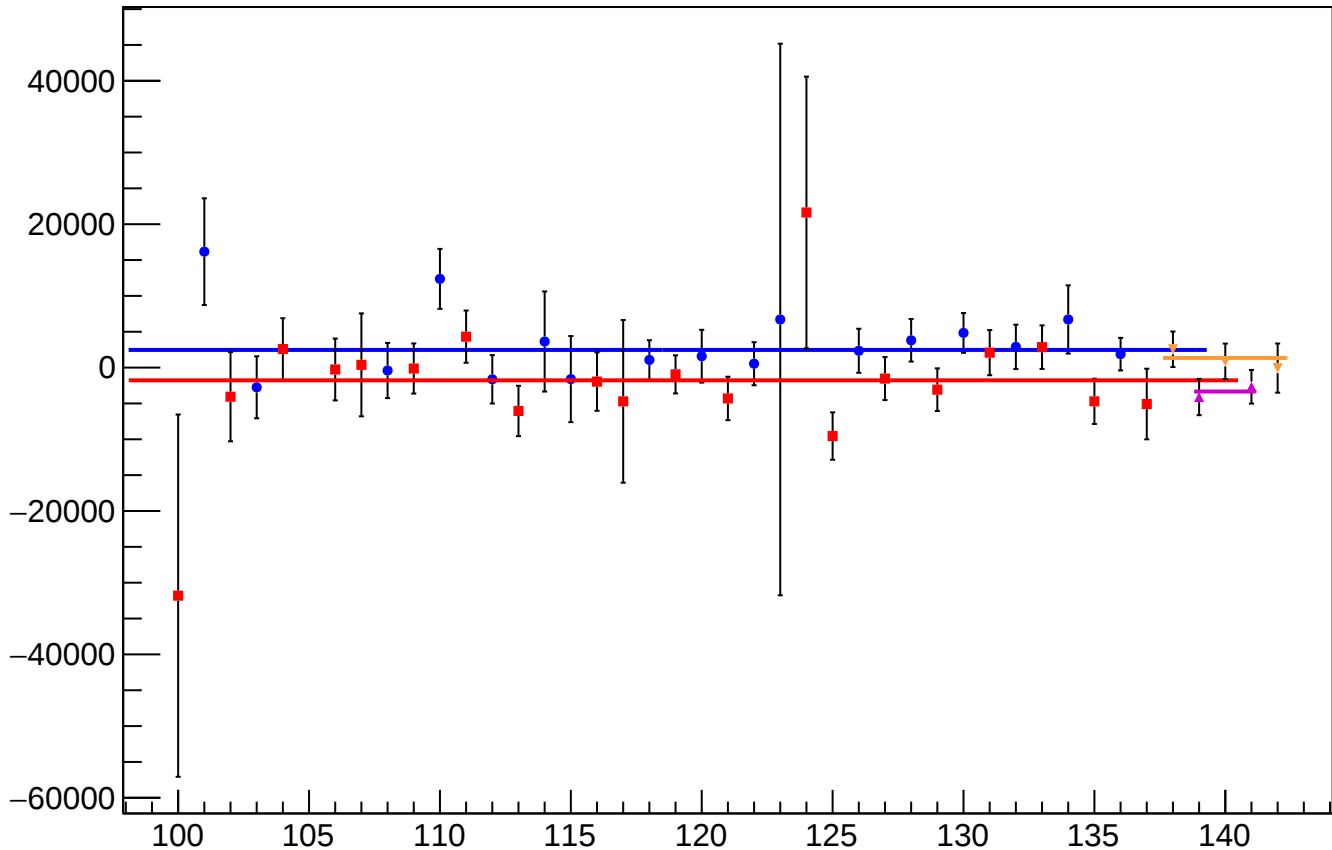
621.798 $\pm$ 0.162 χ^2 /NDF: 2120375.8/19

Right Out: 545.590 $\pm$ 0.162 χ^2 /NDF: 1467038.8/19

579.848 $\pm$ 0.156 χ^2 /NDF: 2097502.1/21

Left In: 1025.751 $\pm$ 0.583 χ^2 /NDF:1128.8/1

asym_at1_avg_mean vs Slug



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

Left Out: 1345.650+/-1557.539 χ^2/NDF : 0.4/2

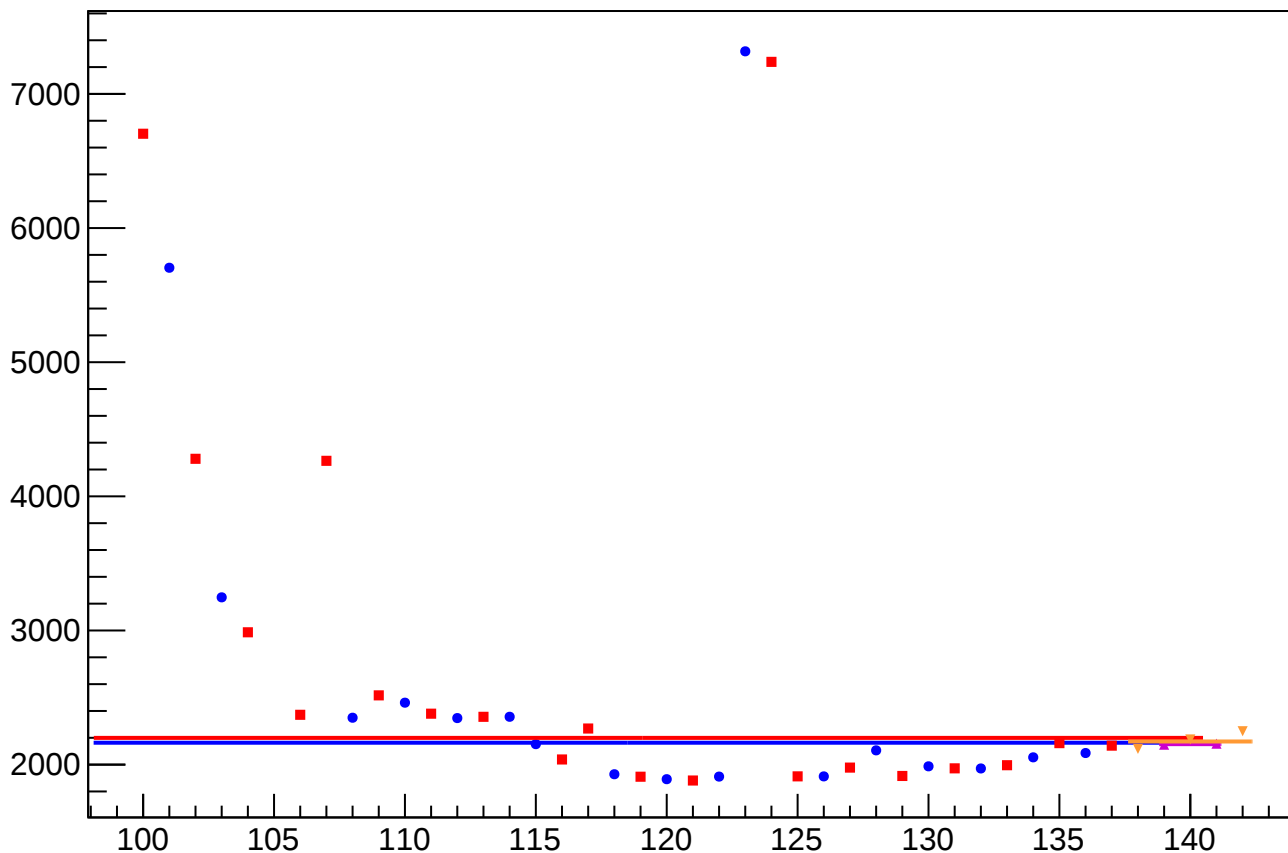
Right Out: -1773.396+/-850.889 χ^2/NDF : 20.5/19

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

2201.276+/-755.002 χ^2/NDF : 16.4/19

-2080.193+/-762.737 χ^2/NDF : 21.4/21

asym_at1_avg_rms vs Slug



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

Left Out: 2172.493+/-1.101 χ^2/NDF : 2061.7/2

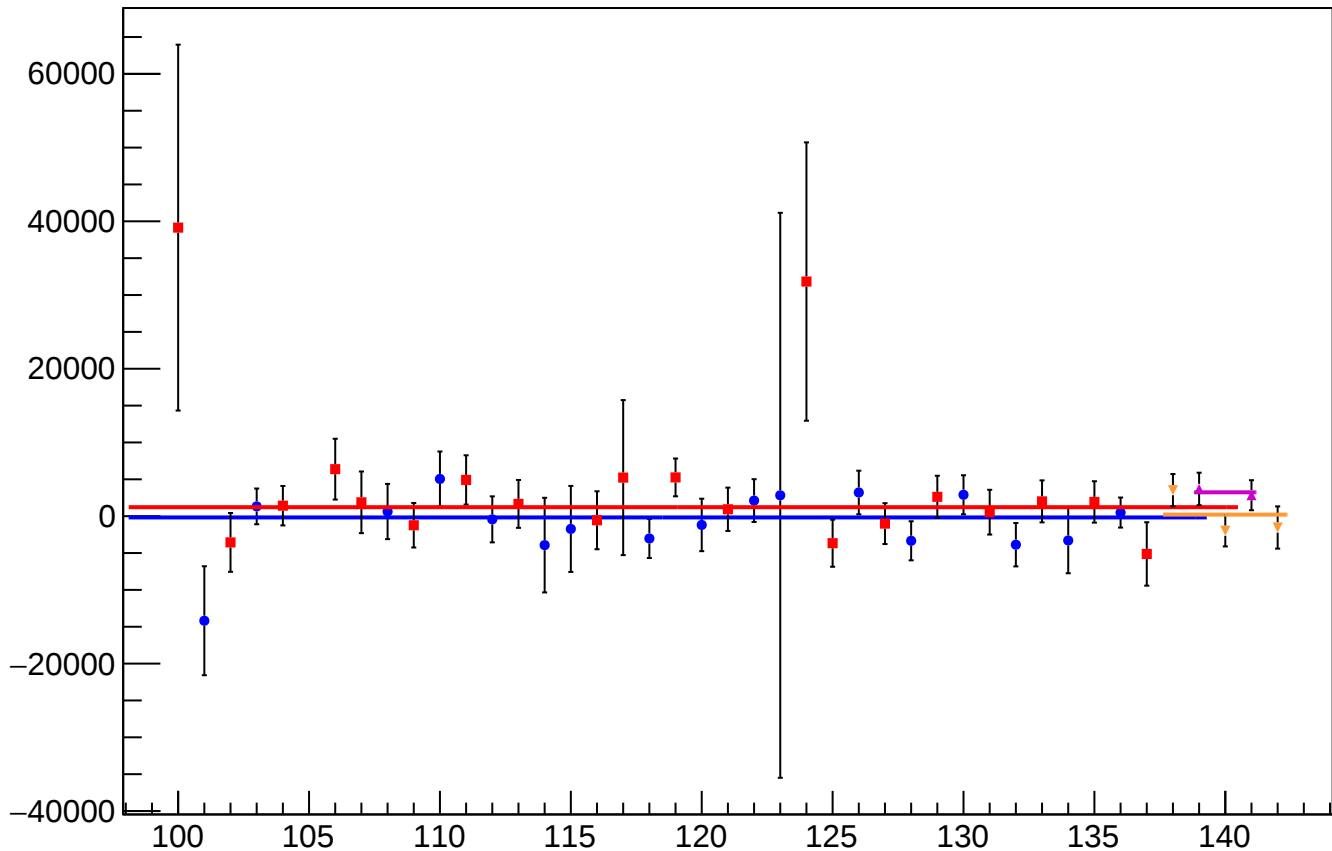
Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

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

2165.462+/-0.534 χ^2/NDF : 711699.5/19

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

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 $\chi^2/\text{NDF}: 14.5/16$

Left Out: 211.600 ± 1347.223 $\chi^2/\text{NDF}: 3.7/2$

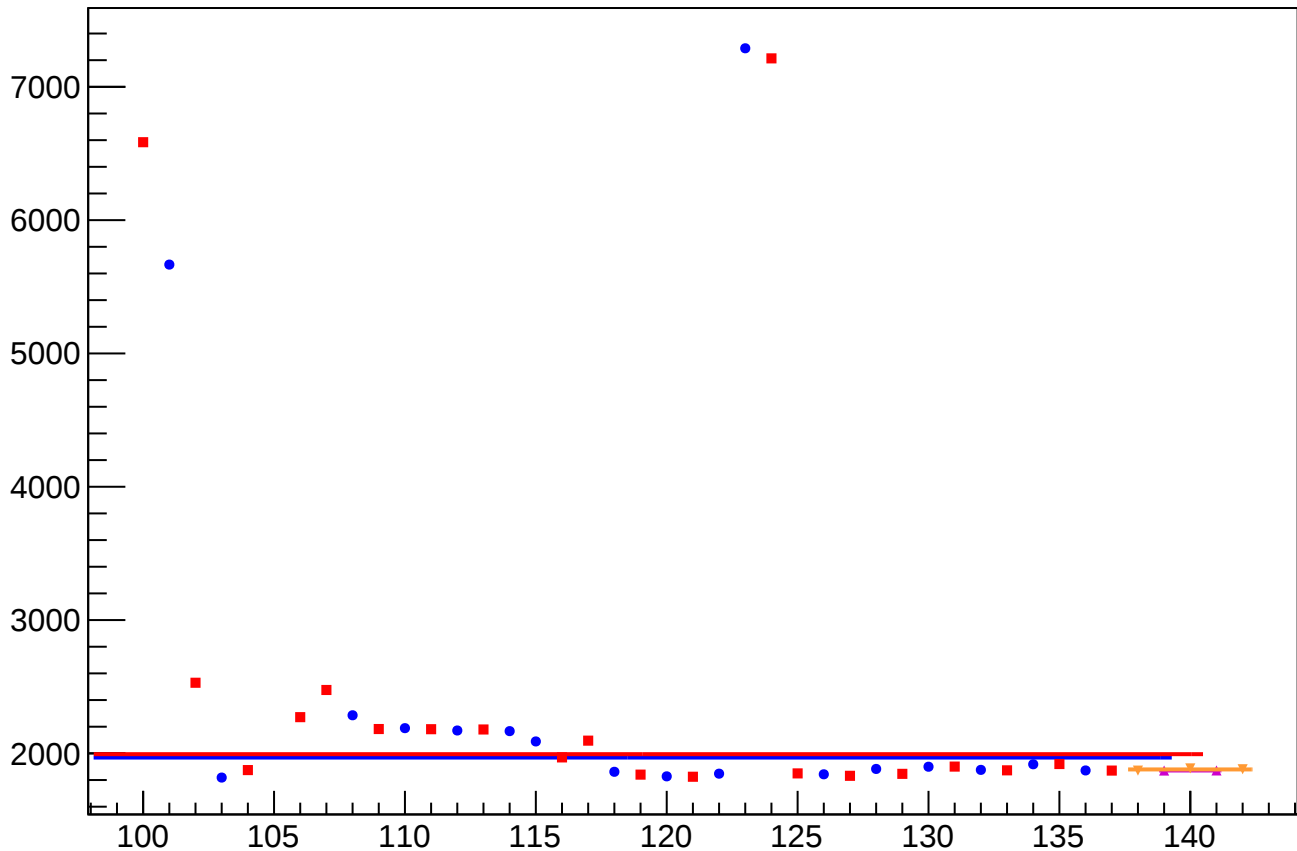
Right Out: 1218.753 ± 762.243 $\chi^2/\text{NDF}: 18.3/19$

Left In: 3236.110 ± 1495.229 $\chi^2/\text{NDF}: 0.1/1$

-74.023 ± 676.570 $\chi^2/\text{NDF}: 18.3/19$

1634.879 ± 679.092 $\chi^2/\text{NDF}: 19.8/21$

reg_asym_at1_dd_rms vs Slug



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

Left Out: 1879.467+/-0.953 χ^2/NDF : 59.9/2

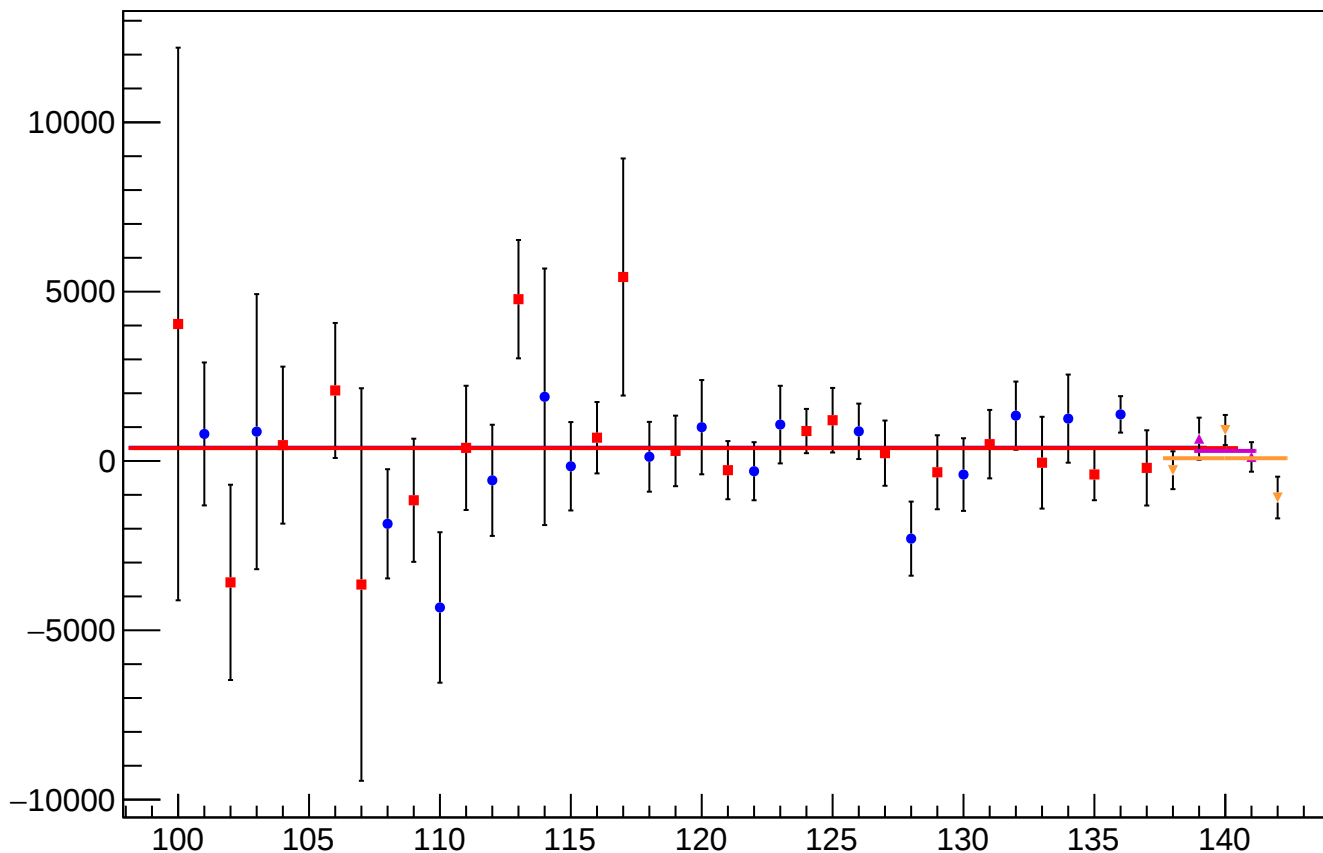
Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

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

1946.145+/-0.478 χ^2/NDF : 609584.0/19

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

asym_at1_dd_correction_mean vs Slug



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

Left Out: 81.347+/-303.176 χ^2/NDF : 7.5/2

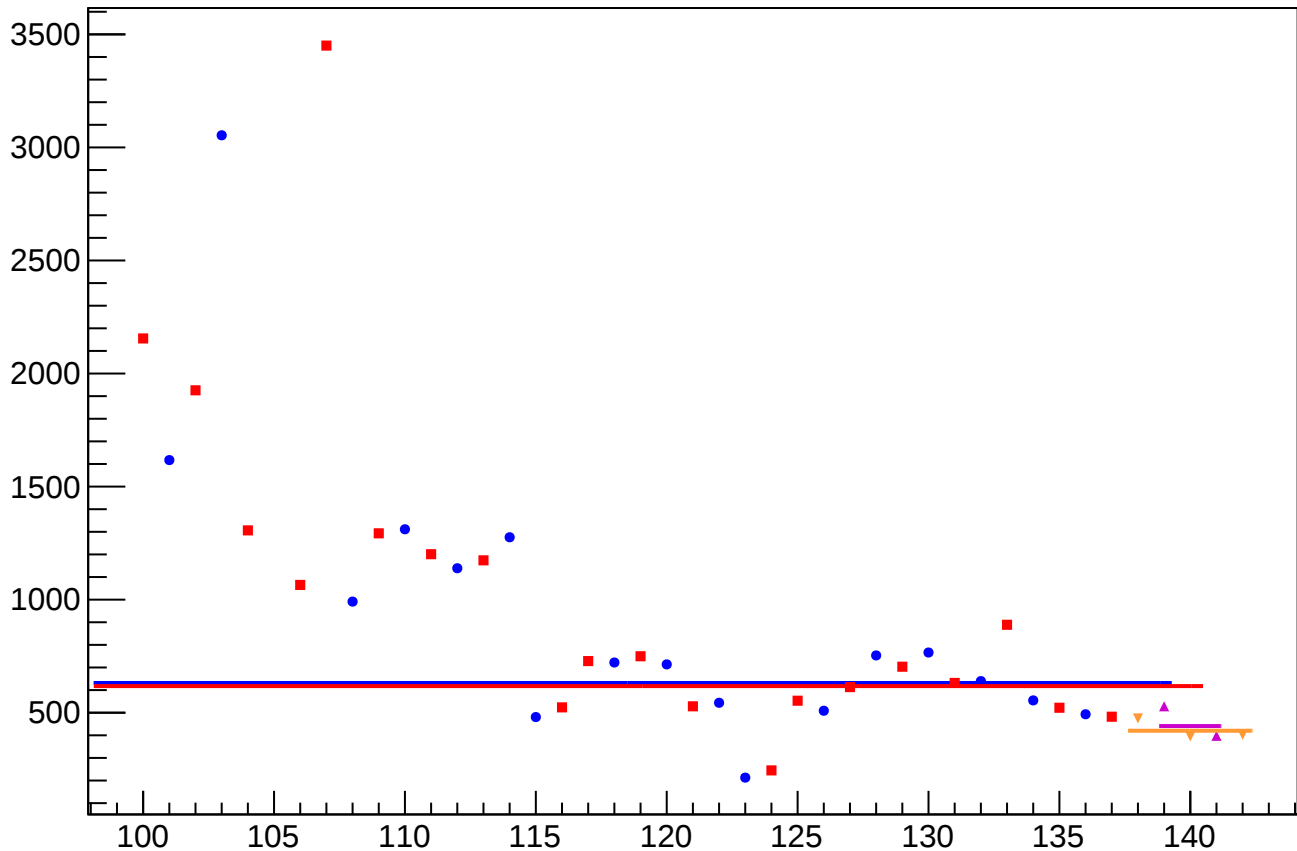
Right Out: 379.833+/-265.331 χ^2/NDF : 16.3/19

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

253.922+/-201.685 χ^2/NDF : 28.1/19

350.442+/-212.889 χ^2/NDF : 16.9/21

asym_at1_dd_correction_rms vs Slug



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

Left Out: 420.239+/-0.214 χ^2/NDF : 26977.9/2

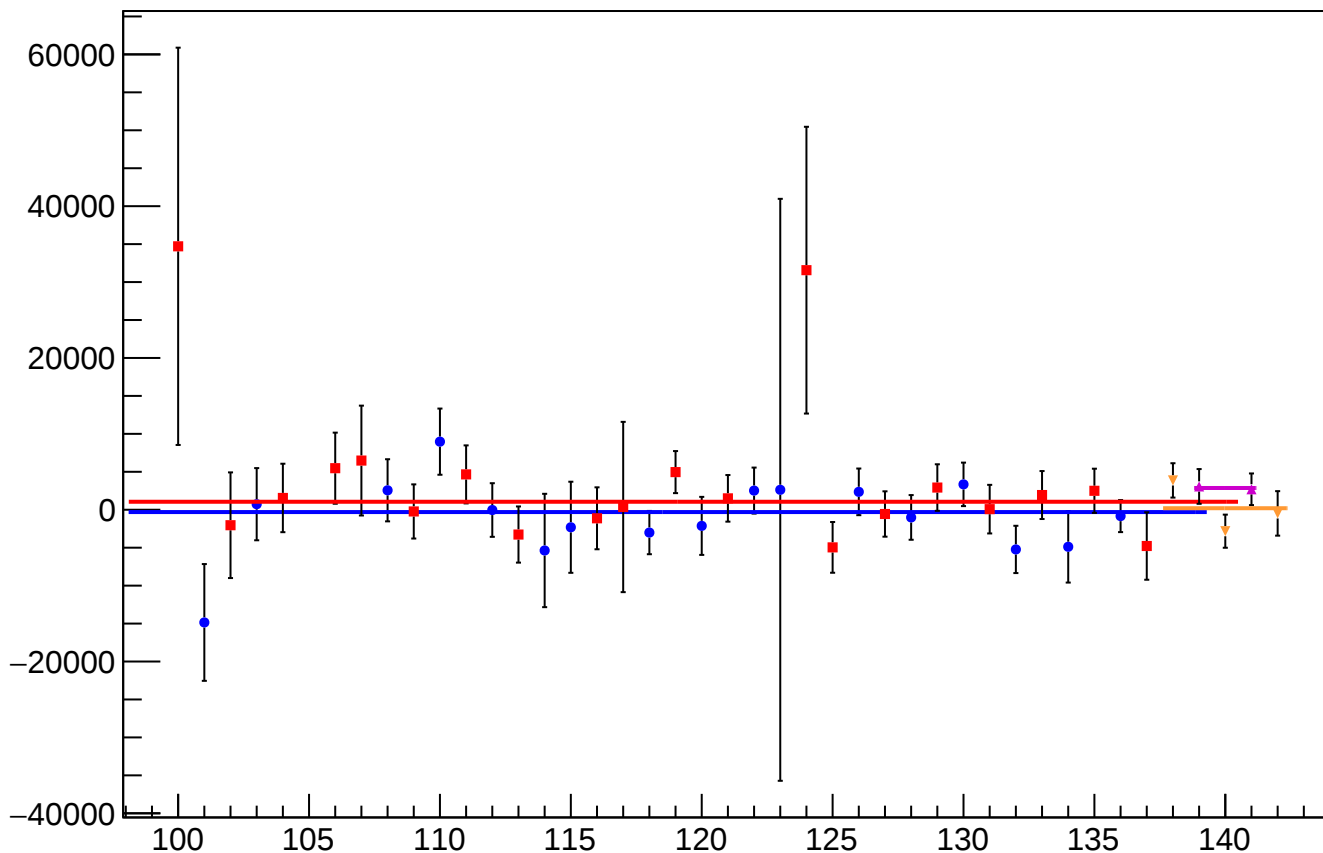
Right Out: 617.675+/-0.188 χ^2/NDF : 2804158.4/19

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

537.968+/-0.143 χ^2/NDF : 2828671.8/19

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

asym_at1_dd_mean vs Slug



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

Left Out: 200.477 ± 1384.720 $\chi^2/\text{NDF}: 4.6/2$

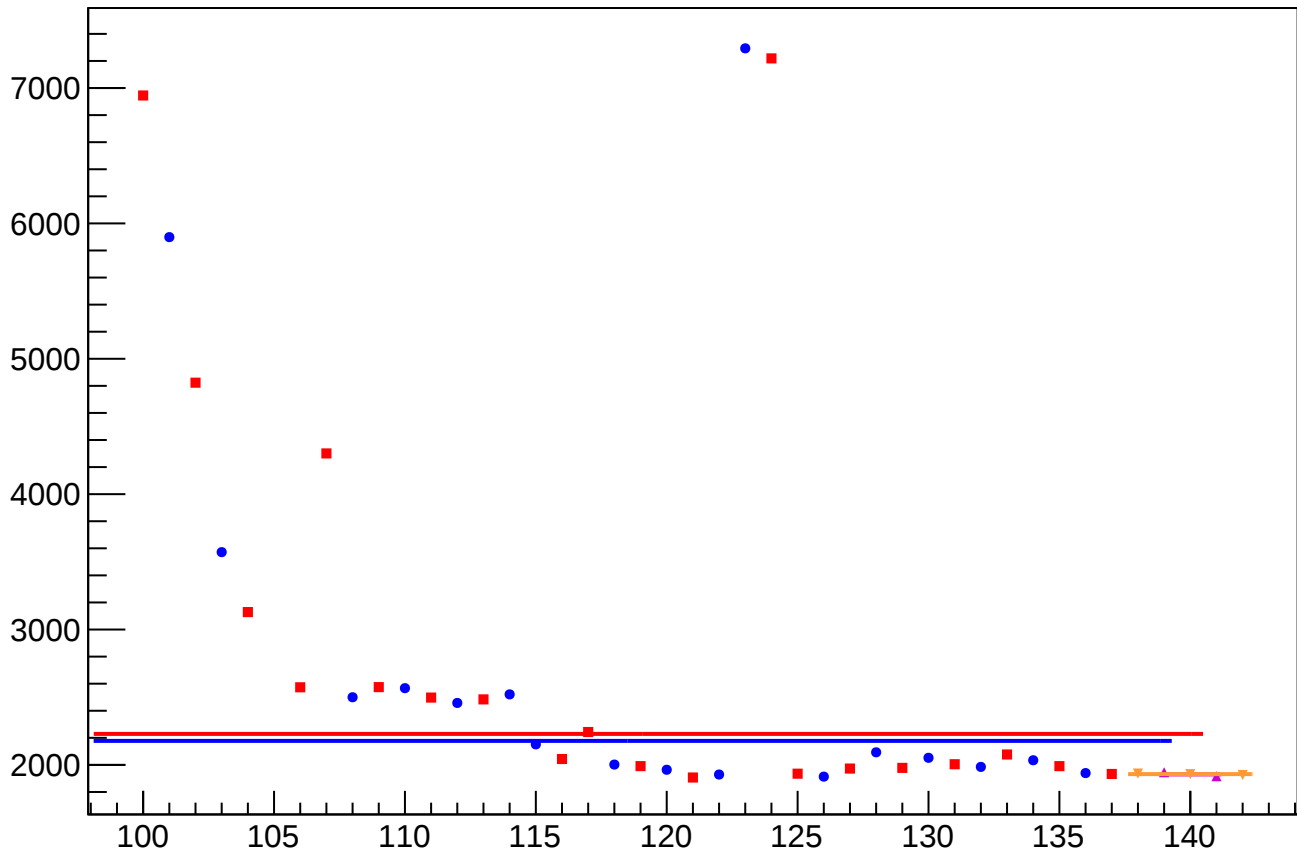
Right Out: 1052.718 ± 864.863 $\chi^2/\text{NDF}: 16.6/19$

Left In: 2865.936 ± 1541.642 $\chi^2/\text{NDF}: 0.0/1$

-161.996 ± 737.834 $\chi^2/\text{NDF}: 21.8/19$

1486.772 ± 754.276 $\chi^2/\text{NDF}: 17.7/21$

asym_at1_dd_rms vs Slug



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

Left Out: 1931.988+/-0.979 χ^2/NDF :17.0/2

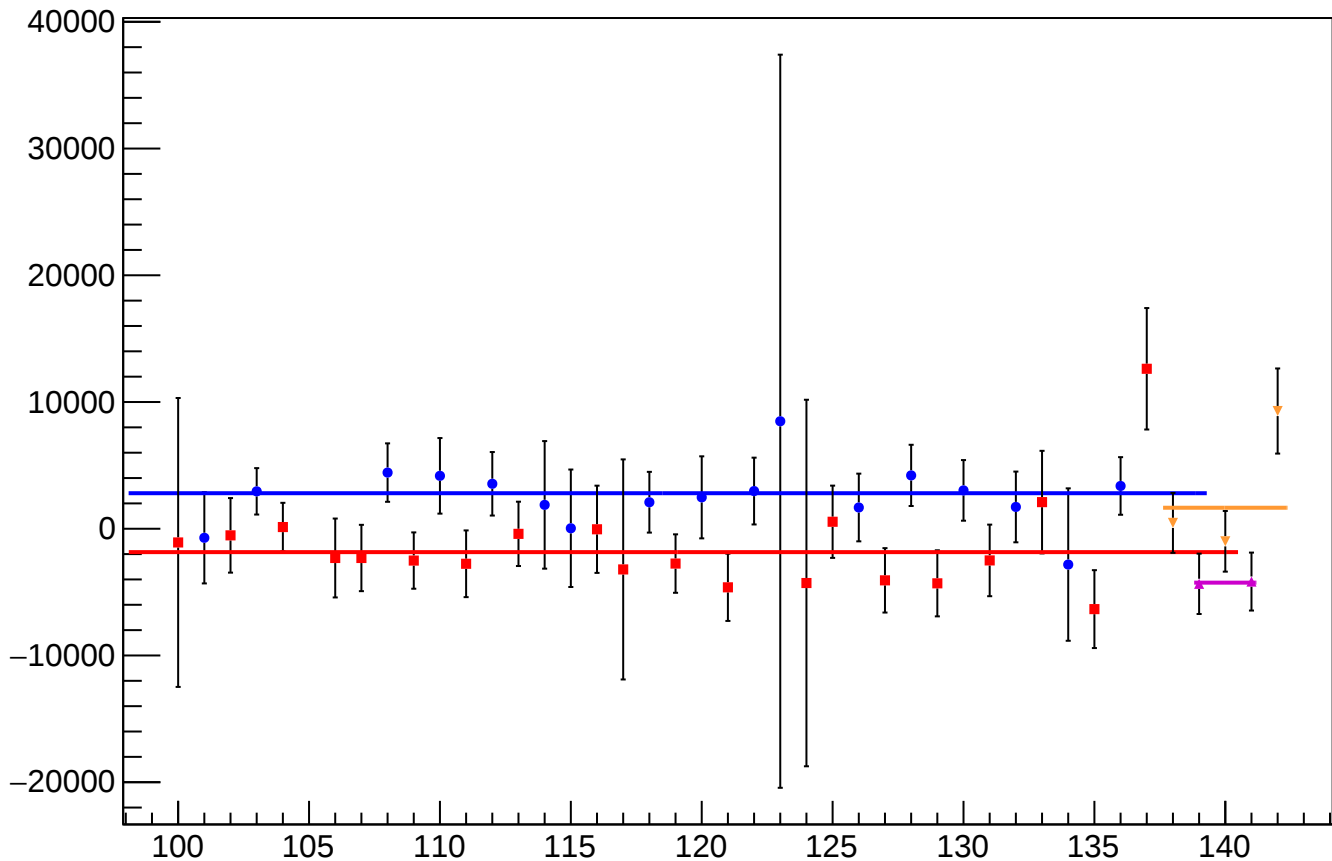
Right Out: 2229.096+/-0.612 χ^2/NDF : 895812.2/19

Left In: 1929.704+/-1.090 χ^2/NDF :178.6/1

2107.756+/-0.522 χ^2/NDF : 847854.7/19

2157.427+/-0.533 χ^2/NDF : 953364.2/21

reg_asym_at2_avg_mean vs Slug



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

Left Out: 1657.351 ± 1503.687 χ^2/NDF : 6.6/2

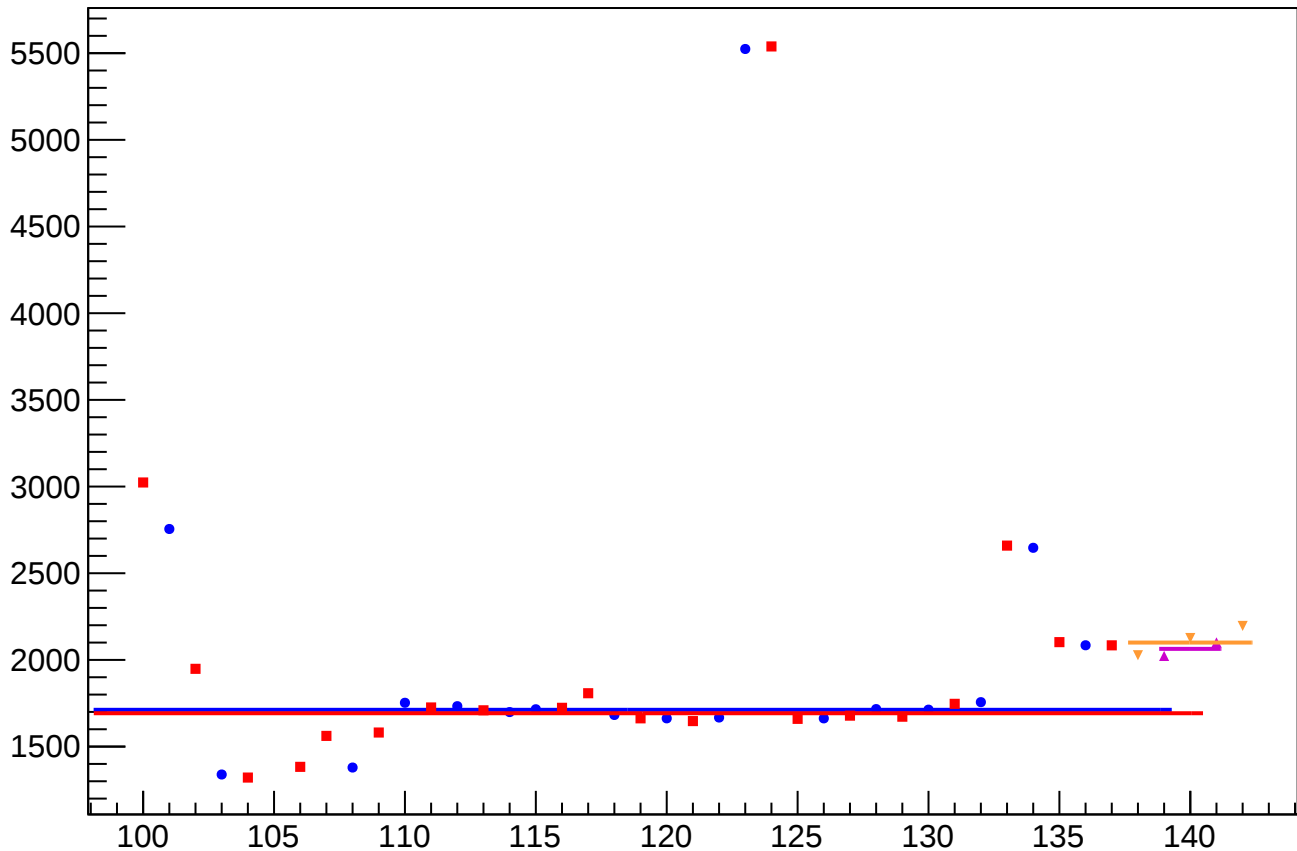
Right Out: -1844.945 ± 653.448 χ^2/NDF : 18.1/19

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

2609.939 ± 618.492 χ^2/NDF : 11.0/19

-2171.767 ± 607.496 χ^2/NDF : 19.9/21

reg_asym_at2_avg_rms vs Slug



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

Left Out: 2100.097+/-1.063 χ^2/NDF : 3787.7/2

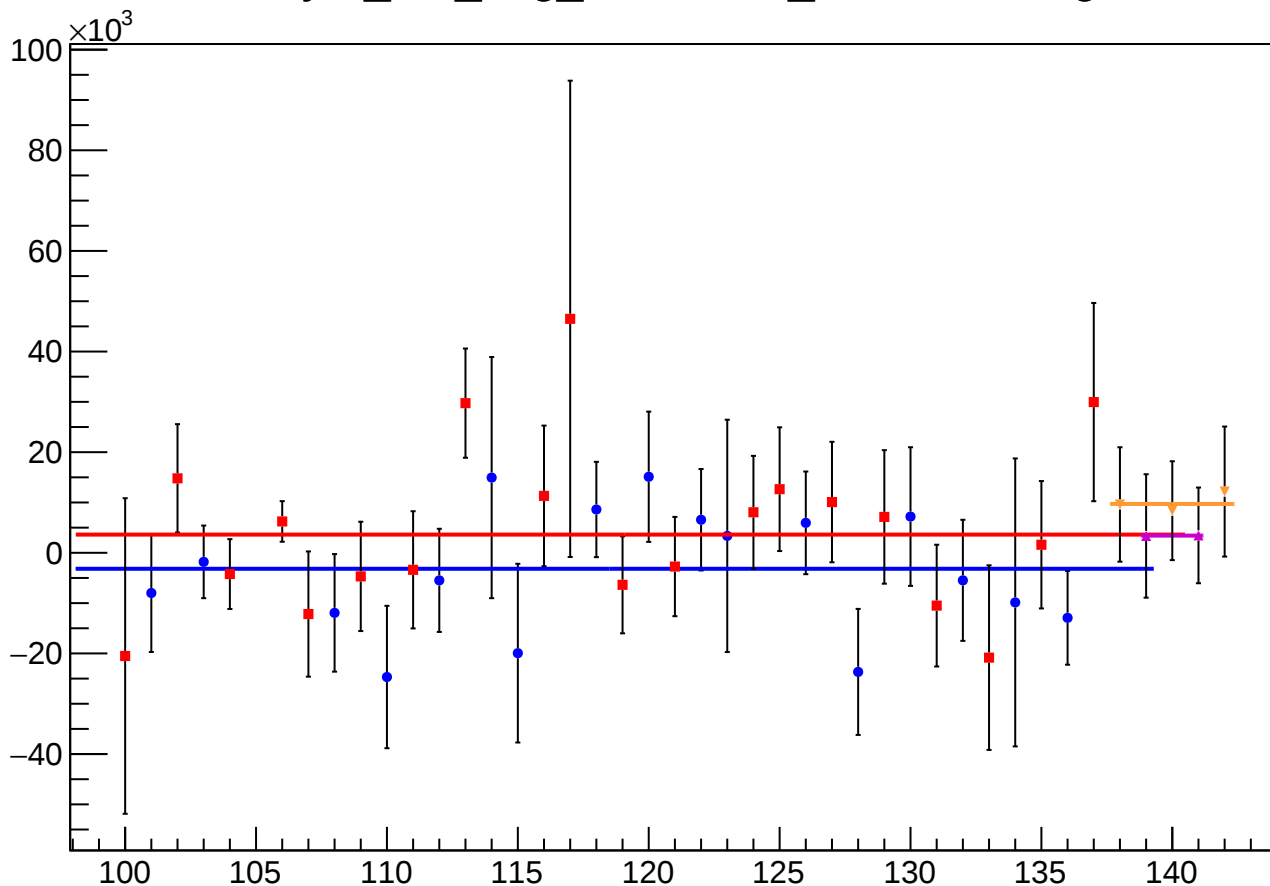
Right Out: 1692.404+/-0.462 χ^2/NDF : 455277.5/19

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

1777.787+/-0.437 χ^2/NDF : 546866.5/19

1742.790+/-0.430 χ^2/NDF : 544035.6/21

asym_at2_avg_correction_mean vs Slug



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

Left Out: 9712.663 ± 6444.405 $\chi^2/\text{NDF}: 0.1/2$

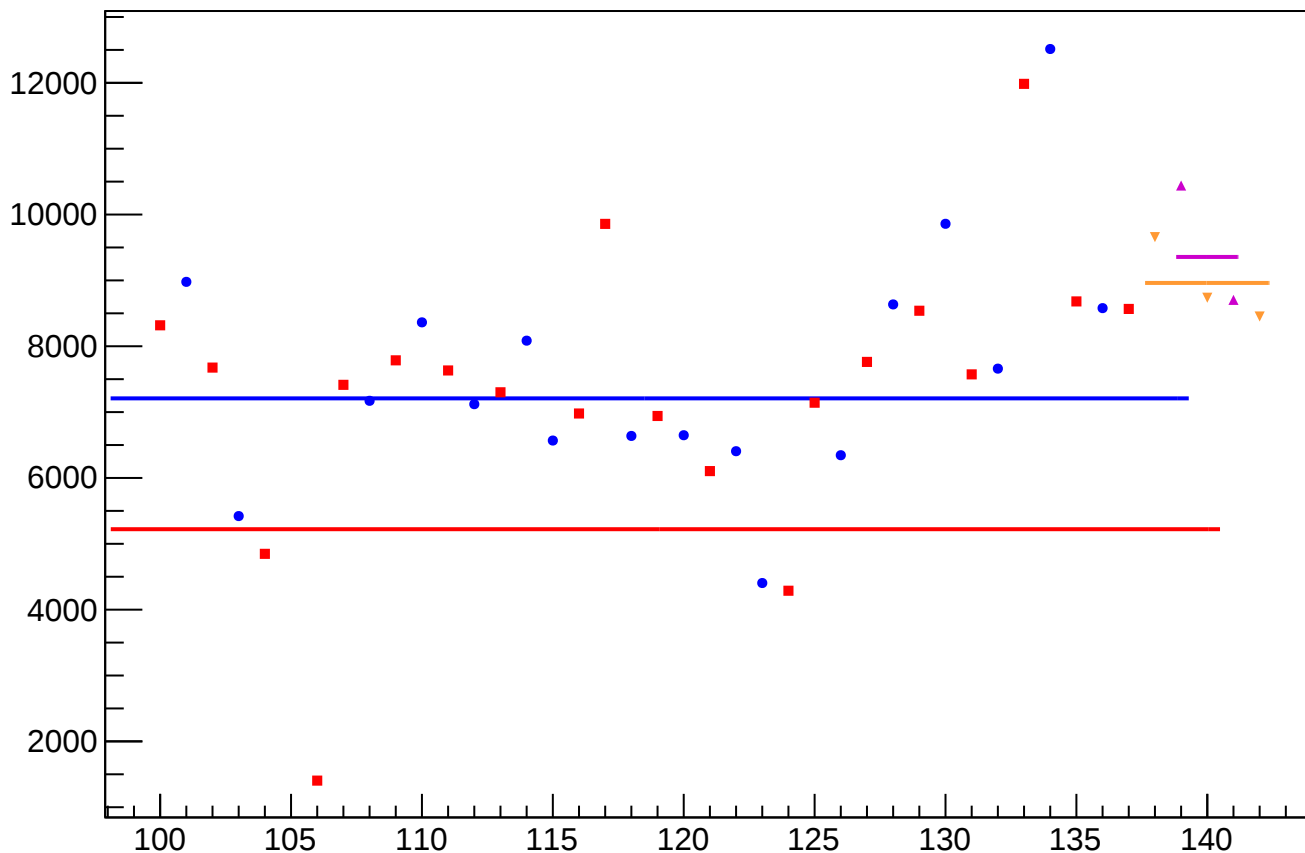
-1062.842 ± 2608.003 $\chi^2/\text{NDF}: 17.8/19$

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

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

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

asym_at2_avg_correction_rms vs Slug



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

Left Out: 8961.501+/-4.557 χ^2/NDF :11637.0/2

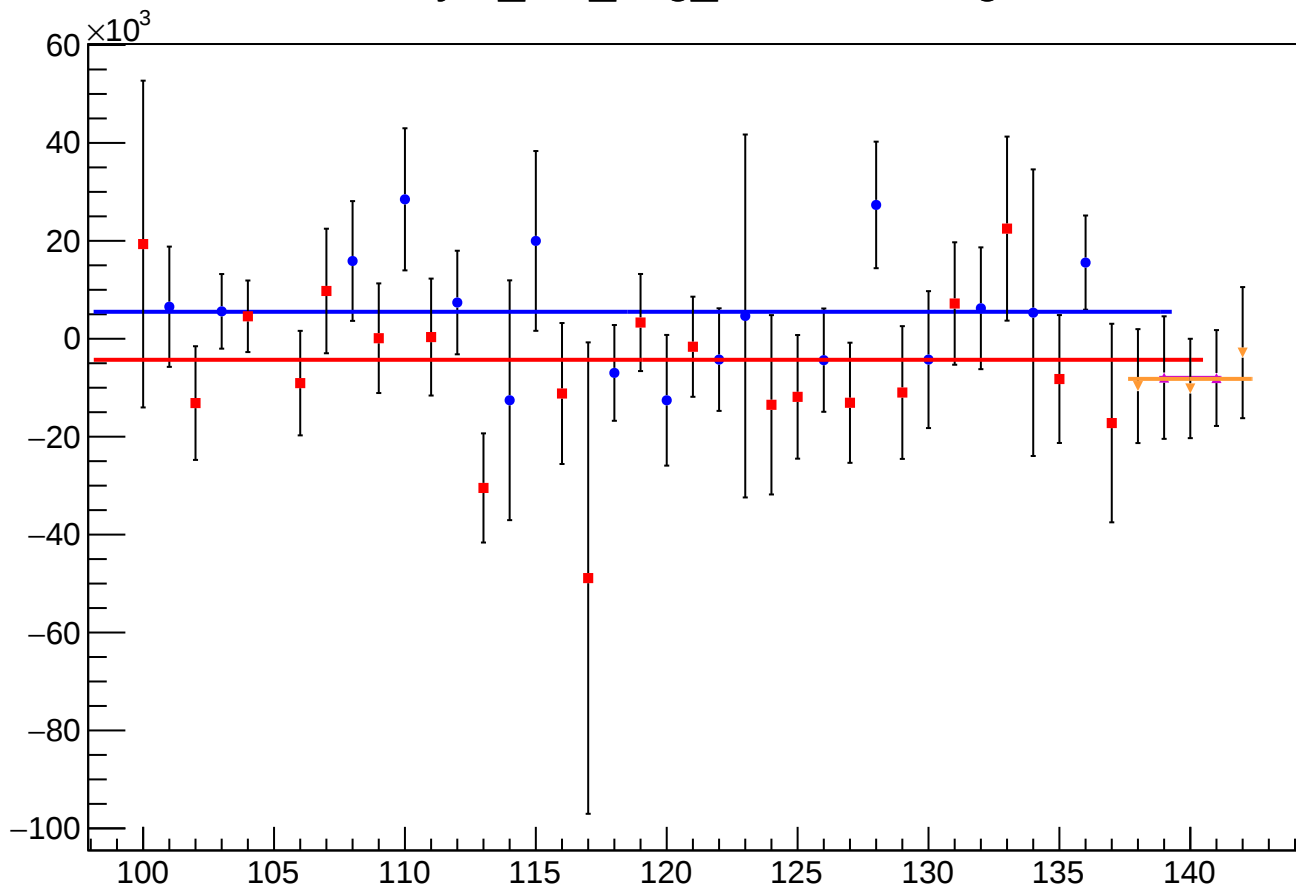
Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

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

7495.656+/-1.844 χ^2/NDF : 604681.2/19

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

asym_at2_avg_mean vs Slug



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

Left Out: -8193.823 $\pm$ 6640.480 χ^2 /NDF: 0.2/2

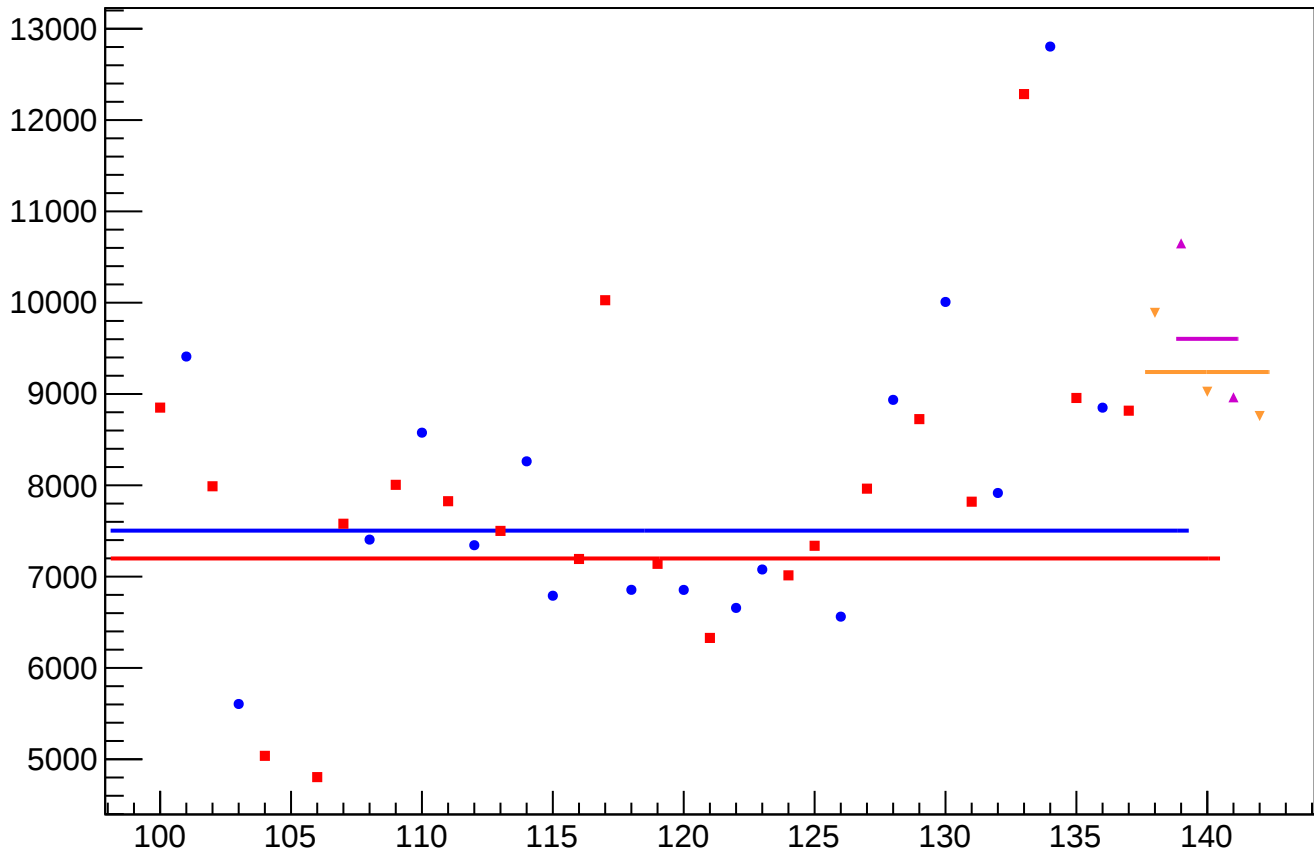
Right Out: -4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

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

3223.832 $\pm$ 2711.969 χ^2 /NDF: 17.8/19

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

asym_at2_avg_rms vs Slug



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

Left Out: 9240.798+/-4.696 χ^2 /NDF: 9697.6/2

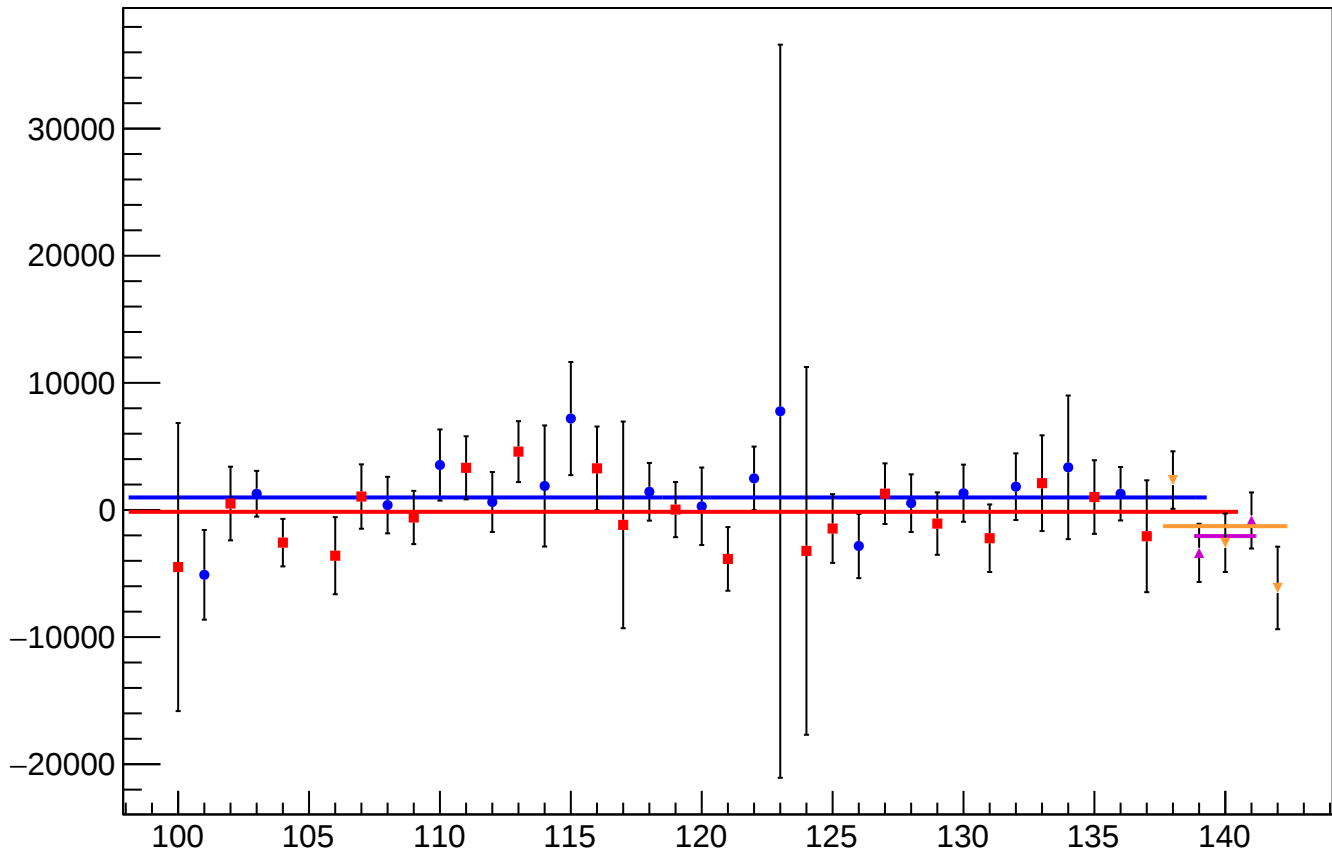
Right Out: 7198.728+/-1.969 χ^2 /NDF: 564629.1/19

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

7793.391+/-1.918 χ^2 /NDF: 551050.4/19

7476.336+/-1.852 χ^2 /NDF: 759307.2/21

reg_asym_at2_dd_mean vs Slug



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

Left Out: -1274.306 ± 1444.145 χ^2/NDF : 5.1/2

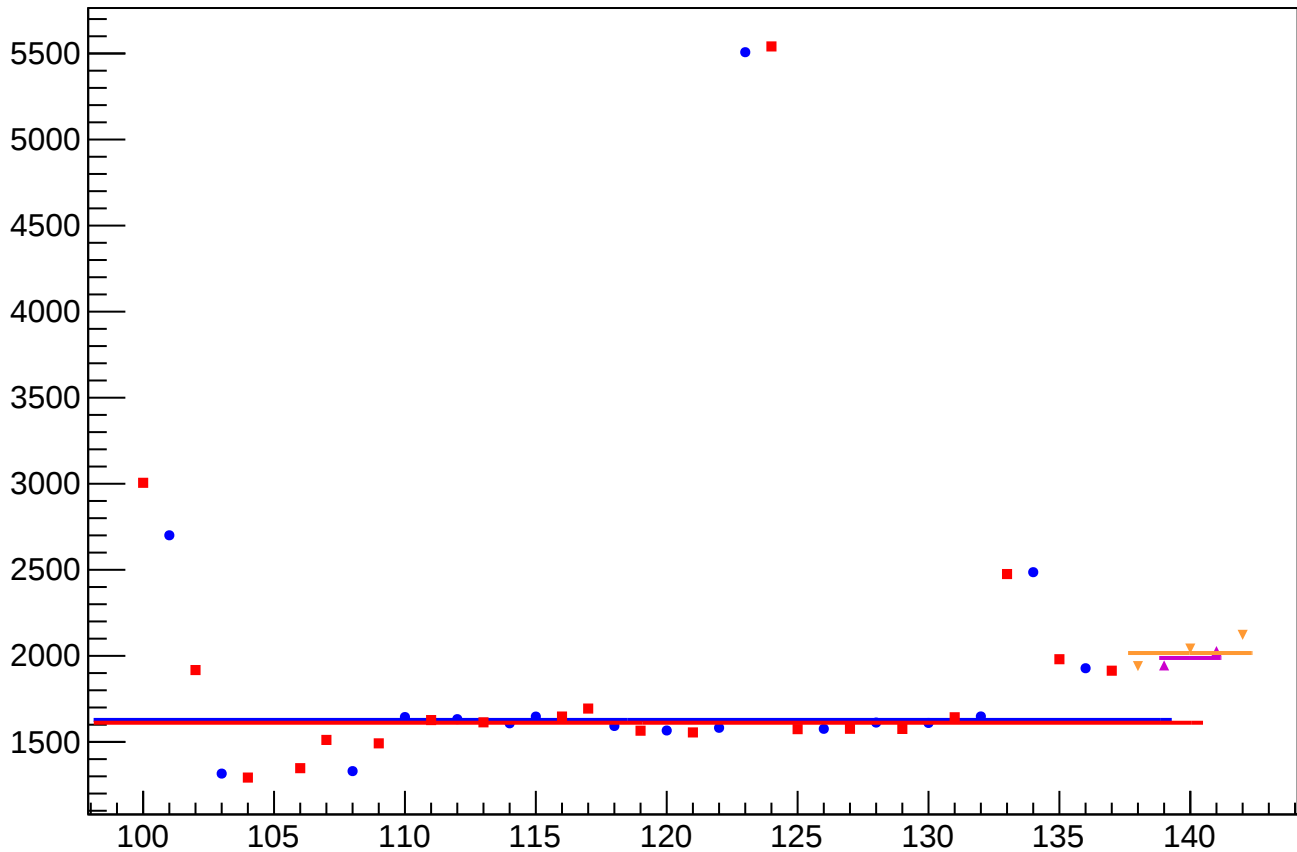
Right Out: -144.683 ± 621.728 χ^2/NDF : 14.7/19

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

610.002 ± 588.648 χ^2/NDF : 16.2/19

-398.276 ± 578.959 χ^2/NDF : 16.6/21

reg_asym_at2_dd_rms vs Slug



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

Left Out: 2016.551+/-1.021 χ^2/NDF :4637.2/2

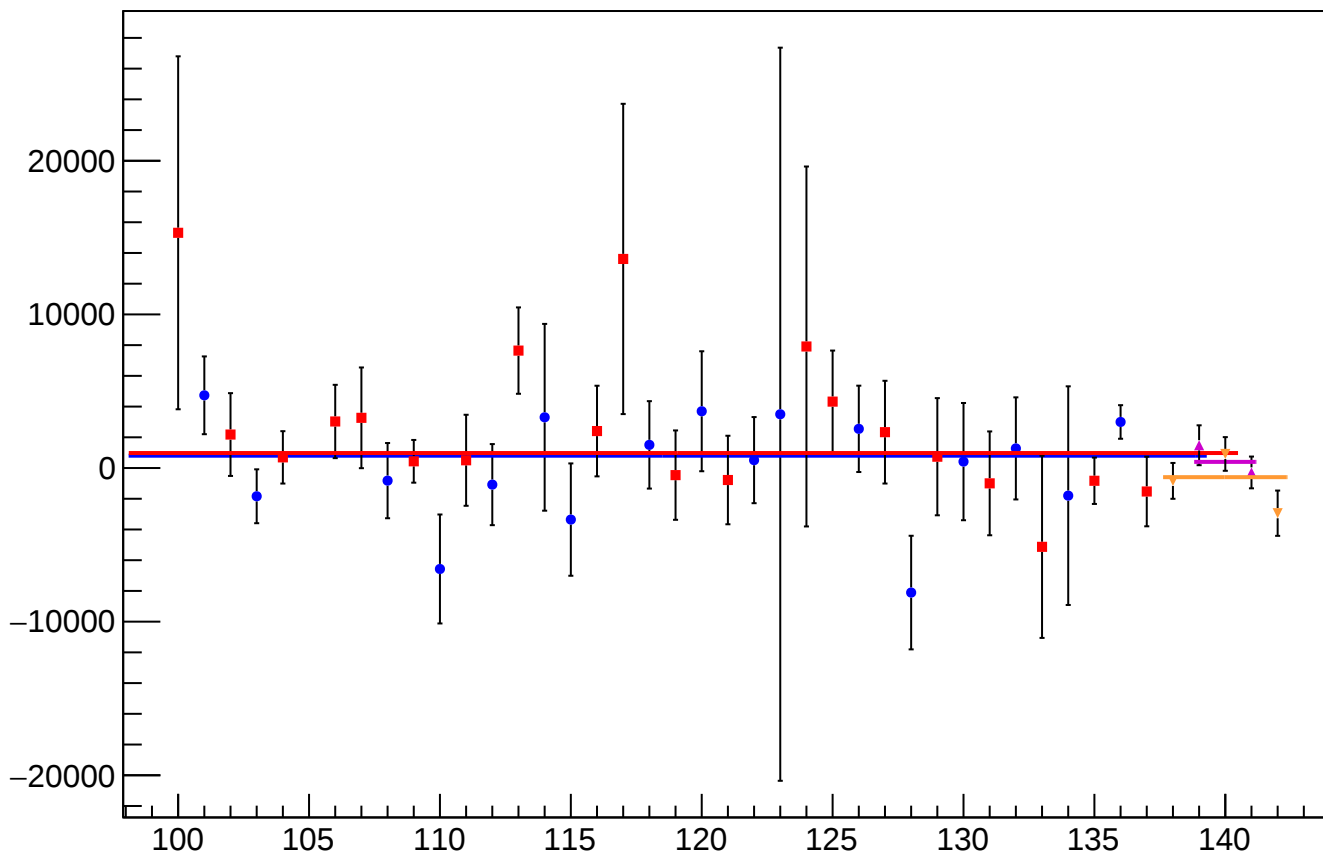
Right Out: 1611.433+/-0.440 χ^2/NDF : 434167.6/19

Left In: 1987.763+/-1.123 χ^2/NDF :1376.8/1

1692.420+/-0.416 χ^2/NDF : 532570.1/19

1661.428+/-0.409 χ^2/NDF : 532891.2/21

asym_at2_dd_correction_mean vs Slug



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

Left Out: -594.588 $\pm$ 702.301 χ^2 /NDF: 4.5/2

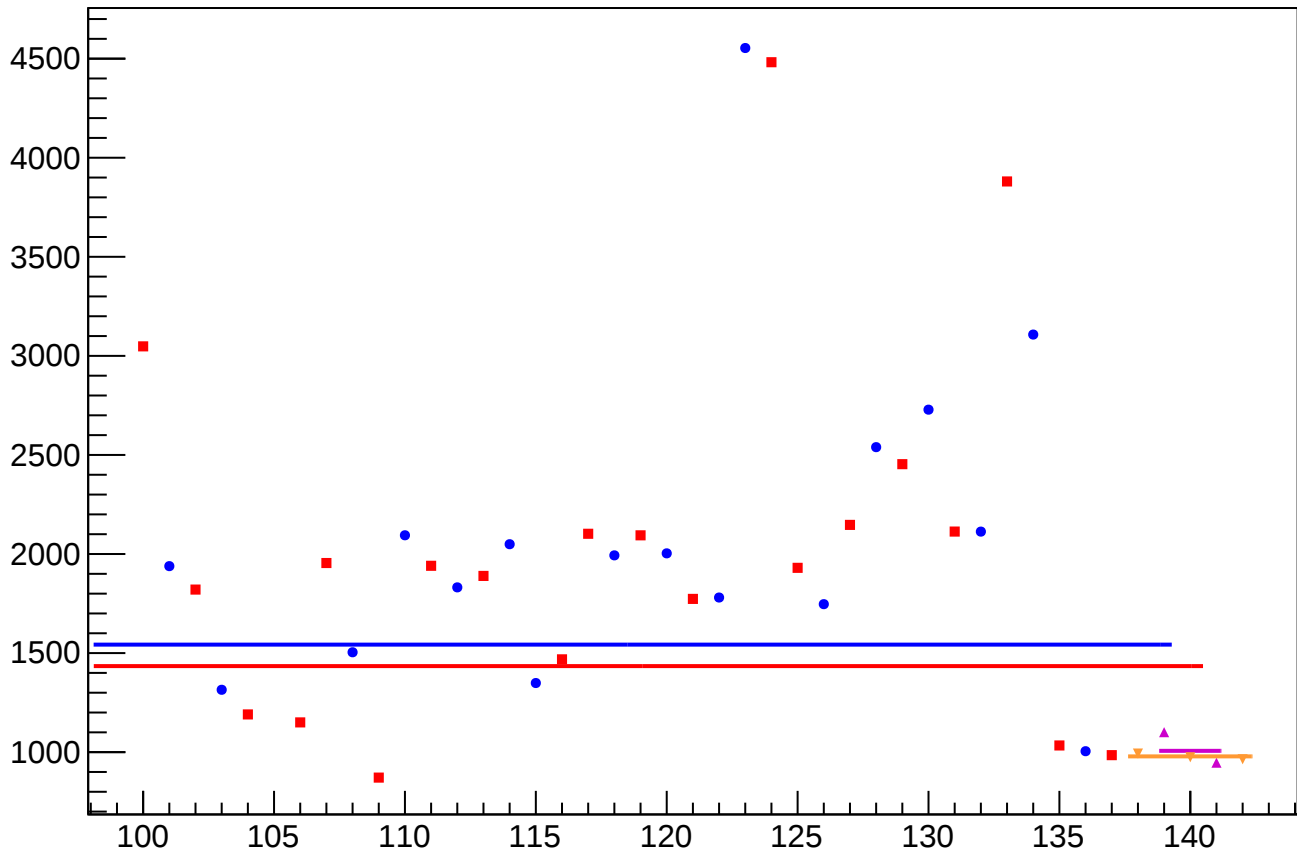
Right Out: 976.725 $\pm$ 588.724 χ^2 /NDF: 16.8/19

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

178.018 $\pm$ 469.652 χ^2 /NDF: 29.1/19

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

asym_at2_dd_correction_rms vs Slug



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

Left Out: 978.645 $\pm$ 0.497 χ^2/NDF : 530.1/2

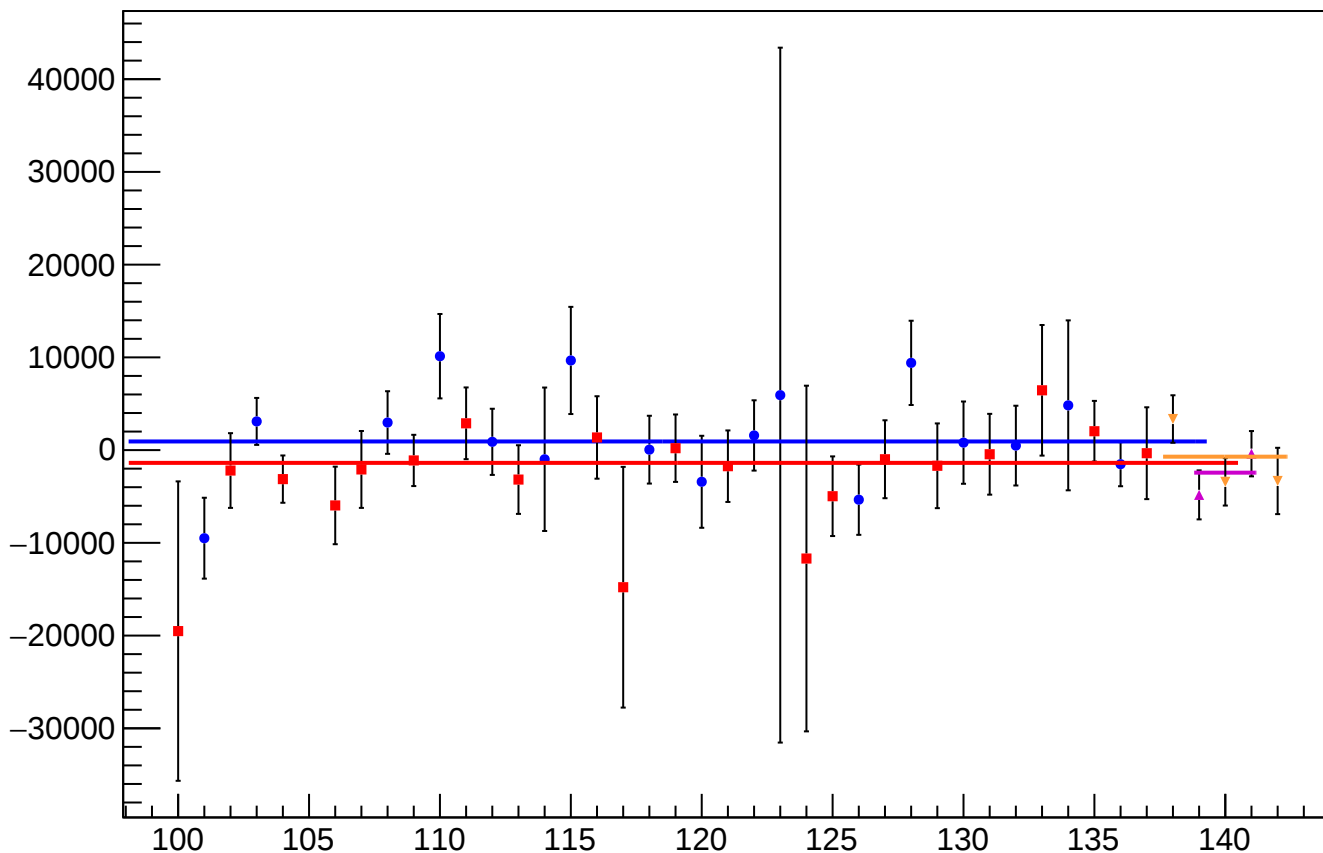
Right Out: 1434.290 $\pm$ 0.416 χ^2/NDF : 1832587.0/19

Left In: 1006.636 $\pm$ 0.572 χ^2/NDF : 17205.3/1

1290.455 $\pm$ 0.332 χ^2/NDF : 2001655.2/19

1286.203 $\pm$ 0.337 χ^2/NDF : 2215234.9/21

asym_at2_dd_mean vs Slug



Right In: 932.818 $\pm$ 967.941 χ^2 /NDF: 21.6/16

Left Out: -707.917 $\pm$ 1614.137 χ^2 /NDF: 4.2/2

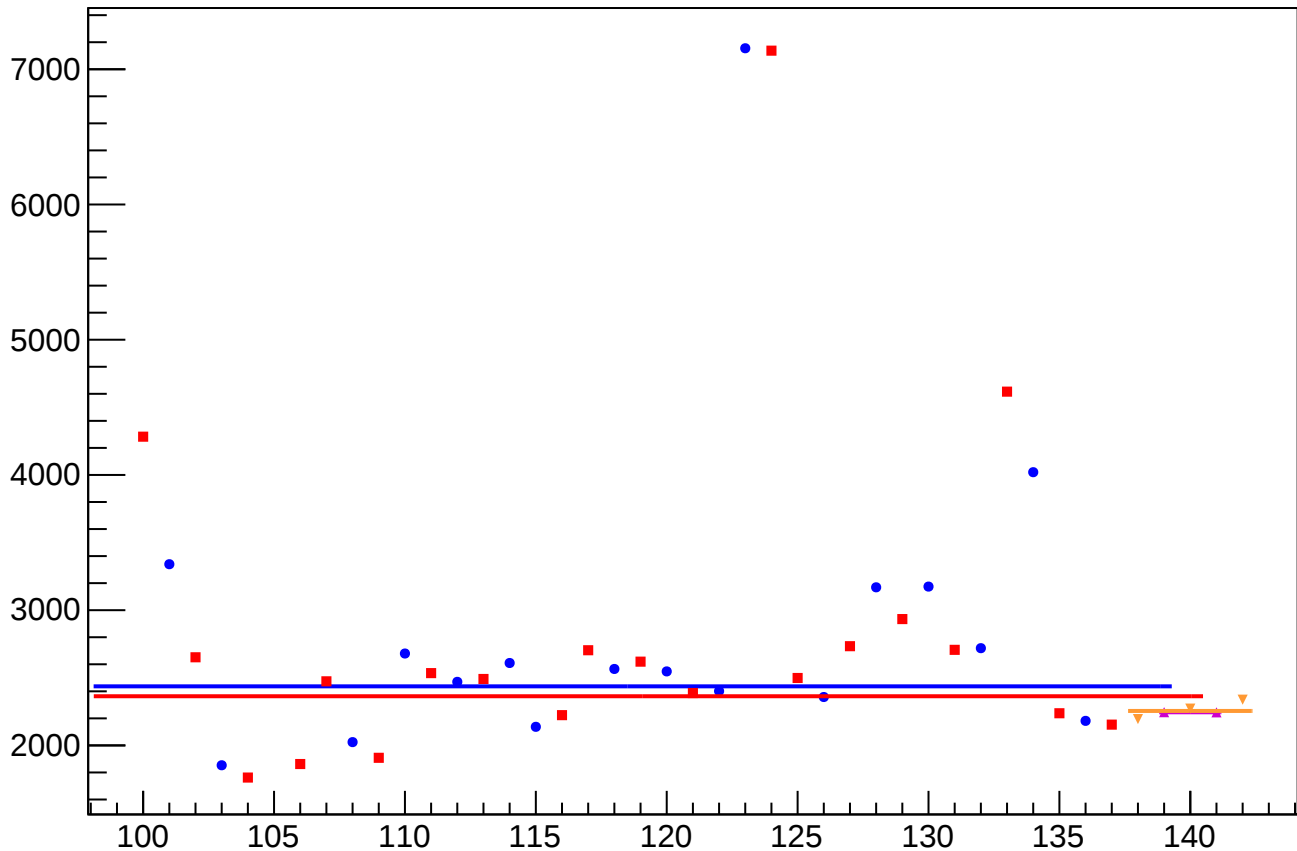
Right Out: -1375.966 $\pm$ 923.072 χ^2 /NDF: 9.6/19

Left In: -2432.385 $\pm$ 1793.867 χ^2 /NDF: 1.5/1

498.863 $\pm$ 830.125 χ^2 /NDF: 26.5/19

-1597.128 $\pm$ 820.781 χ^2 /NDF: 11.3/21

asym_at2_dd_rms vs Slug



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

Left Out: 2254.874 ± 1.141 χ^2/NDF : 2280.4/2

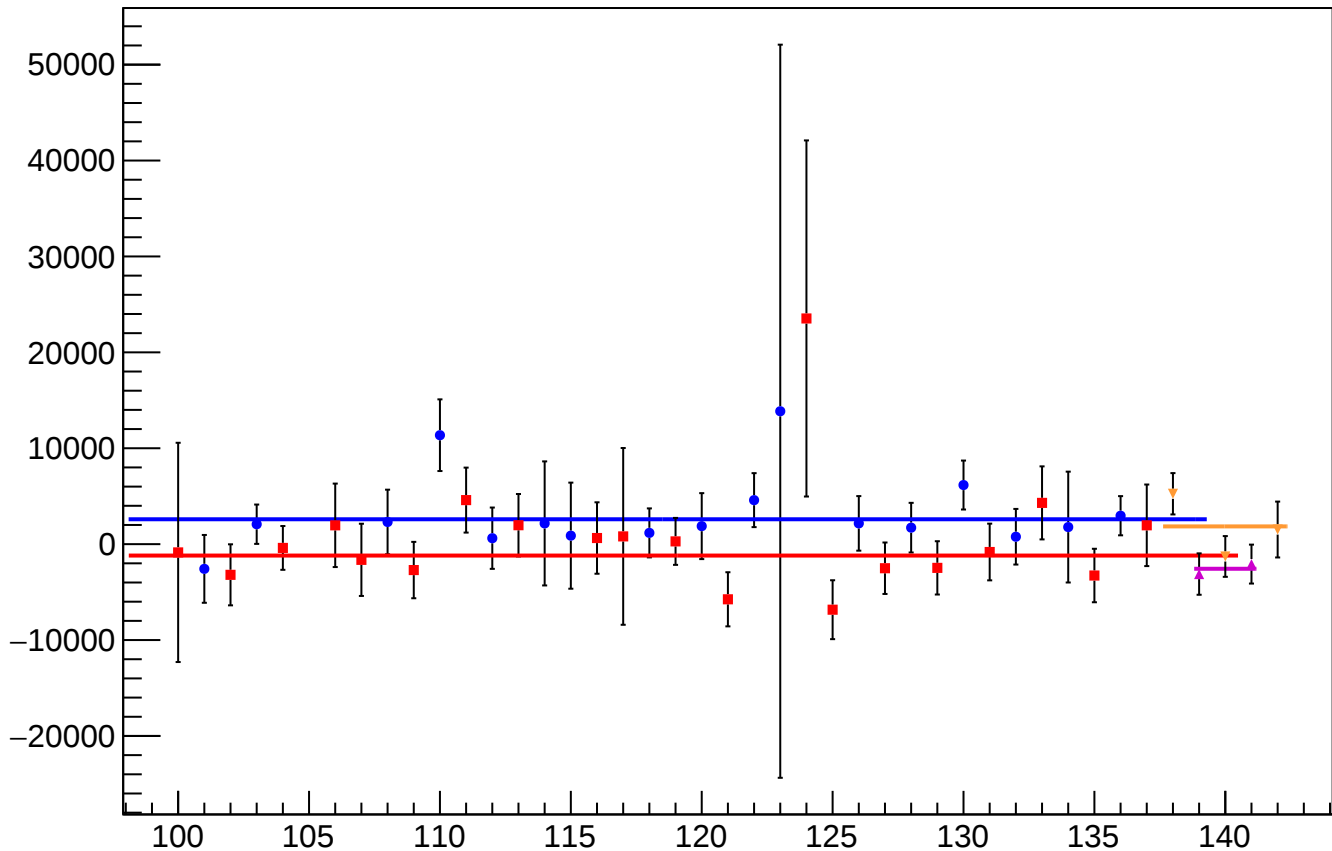
Right Out: 2363.609 ± 0.653 χ^2/NDF : 657228.5/19

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

2388.723 ± 0.587 χ^2/NDF : 490008.3/19

2338.789 ± 0.580 χ^2/NDF : 664136.3/21

reg_asym_atl1r2_avg_mean vs Slug



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

Left Out: 1850.066+/-1342.755 χ^2/NDF : 4.7/2

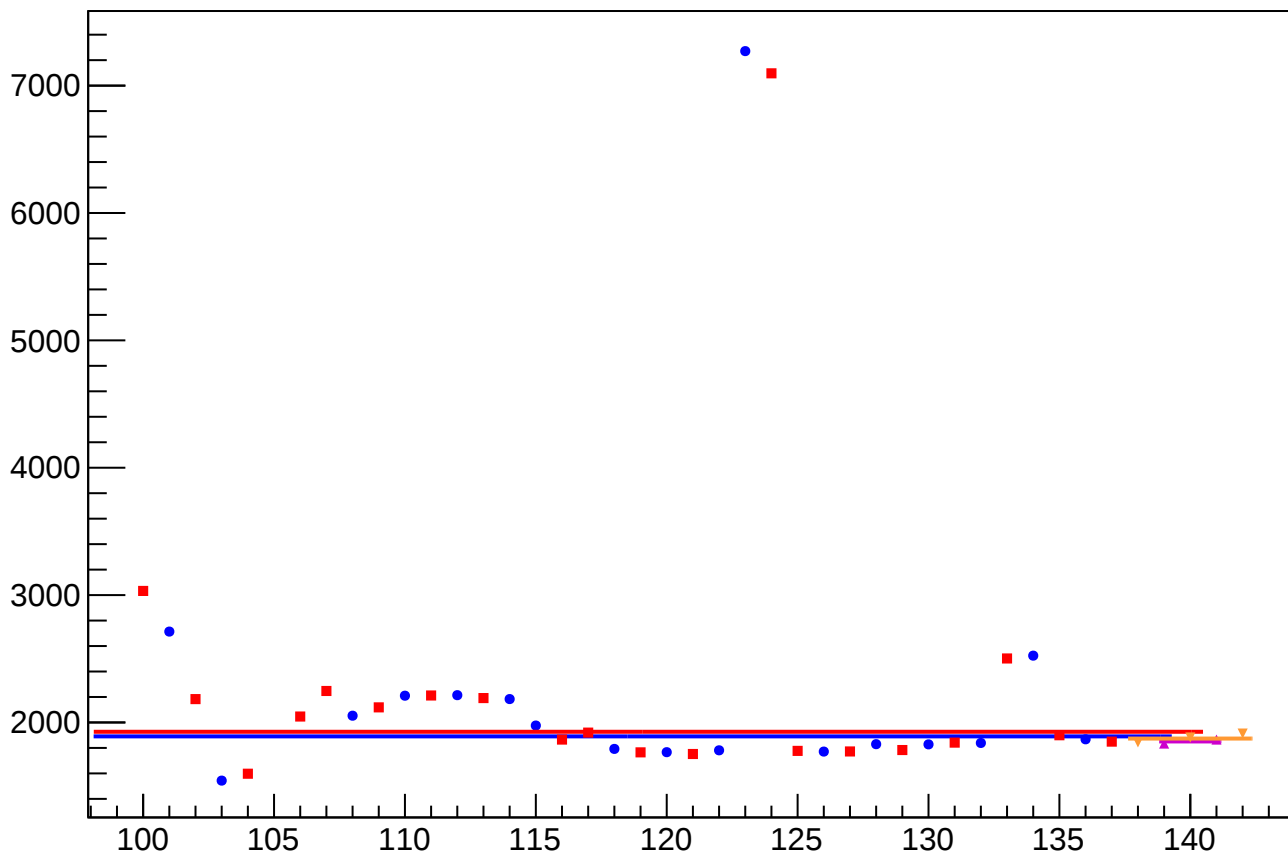
Right Out: -1189.680+/-737.247 χ^2/NDF : 17.3/19

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

2420.136+/-650.110 χ^2/NDF : 16.6/19

-1463.942+/-659.806 χ^2/NDF : 18.1/21

reg_asym_atl1r2_avg_rms vs Slug



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

Left Out: 1873.585+/-0.949 χ^2/NDF : 791.1/2

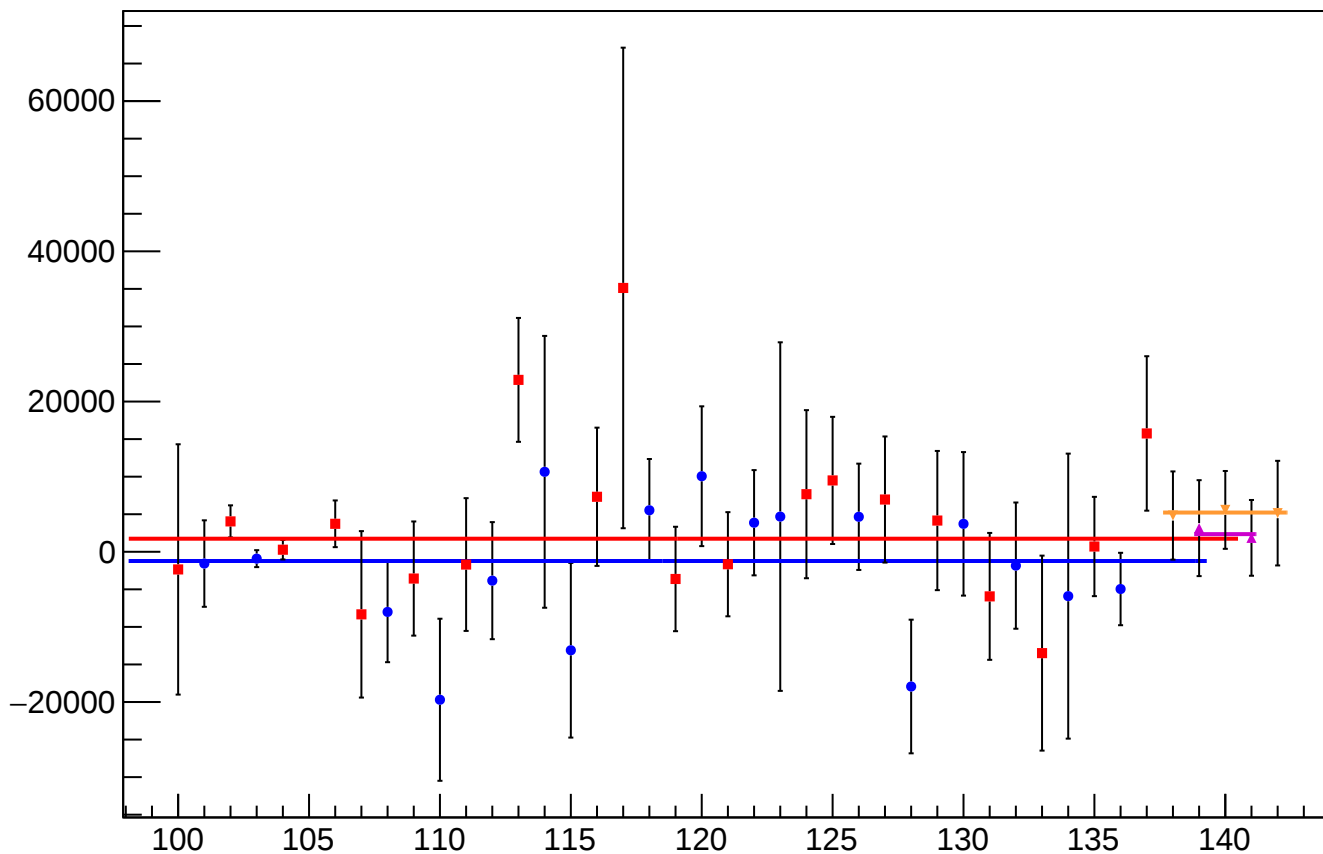
Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

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

1886.704+/-0.460 χ^2/NDF : 289985.4/19

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

asym_atl1r2_avg_correction_mean vs Slug



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

Left Out: 5223.369 ± 3392.605 χ^2/NDF : 0.0/2

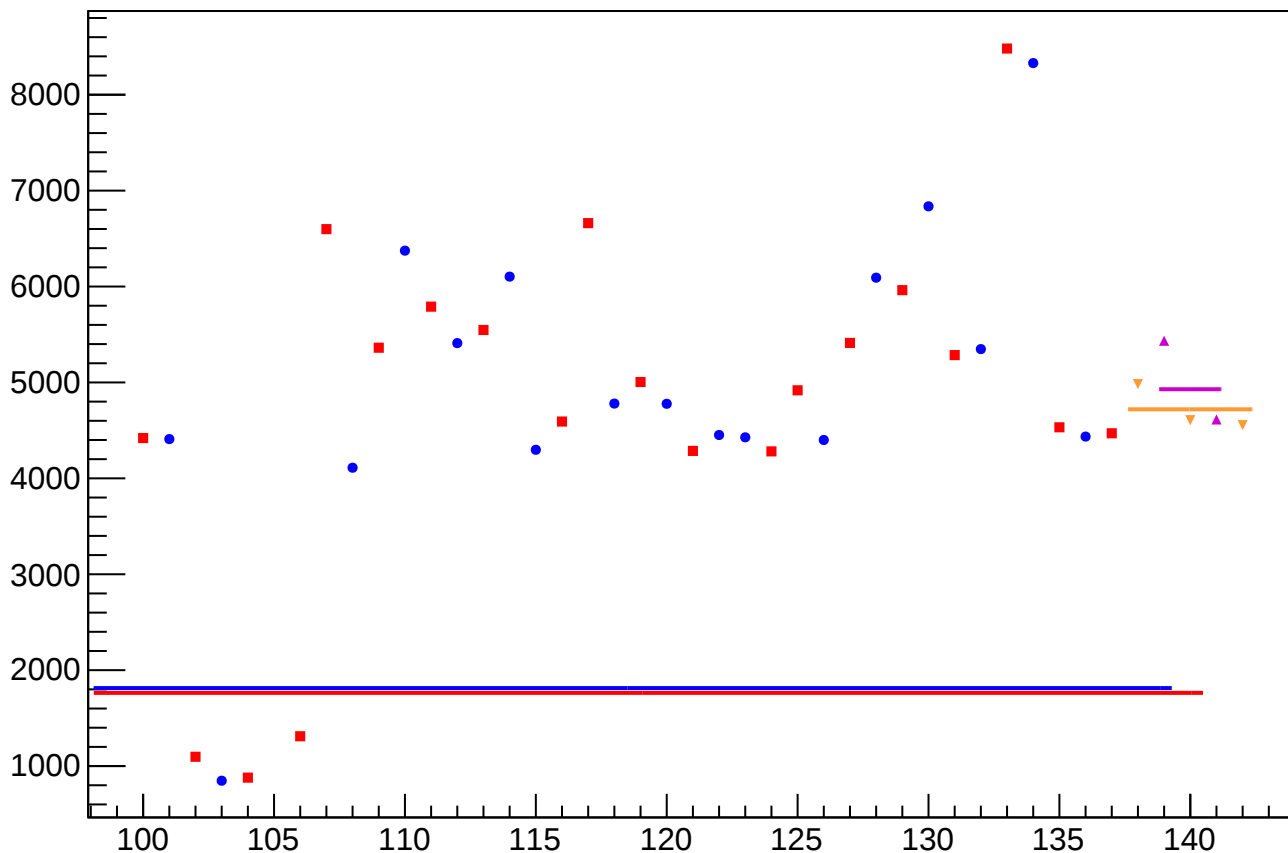
Right Out: 1740.671 ± 941.173 χ^2/NDF : 18.9/19

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

-725.827 ± 945.586 χ^2/NDF : 17.2/19

1773.315 ± 915.642 χ^2/NDF : 18.9/21

asym_atl1r2_avg_correction_rms vs Slug



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

Left Out: 4719.954+/-2.399 χ^2/NDF : 6102.3/2

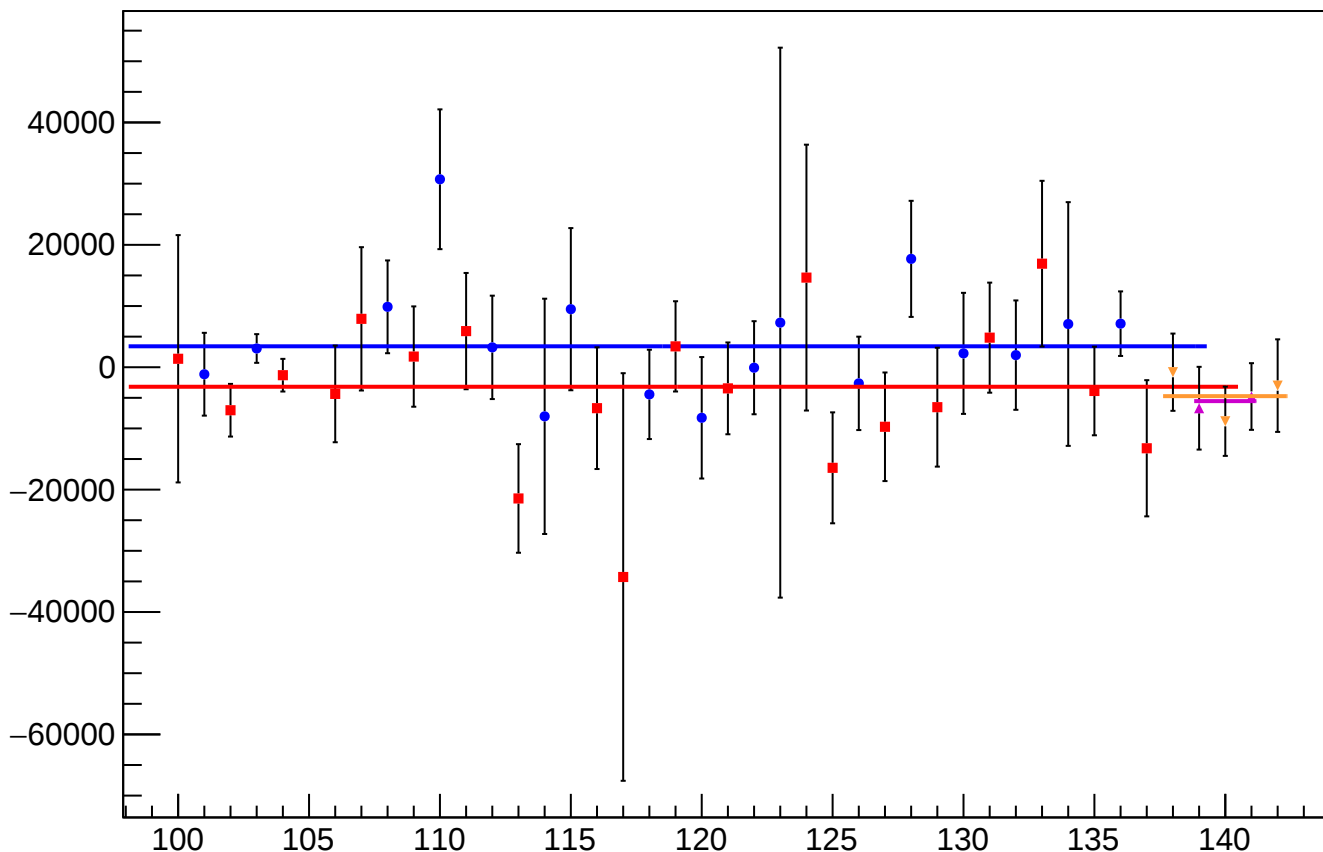
Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

Left In: 4929.336+/-2.799 χ^2/NDF : 20340.9/1

2039.006+/-0.669 χ^2/NDF : 7809271.3/19

1932.814+/-0.647 χ^2/NDF : 7591494.8/21

asym_atl1r2_avg_mean vs Slug



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

Left Out: -4724.903 ± 3679.937 χ^2/NDF : 1.0/2

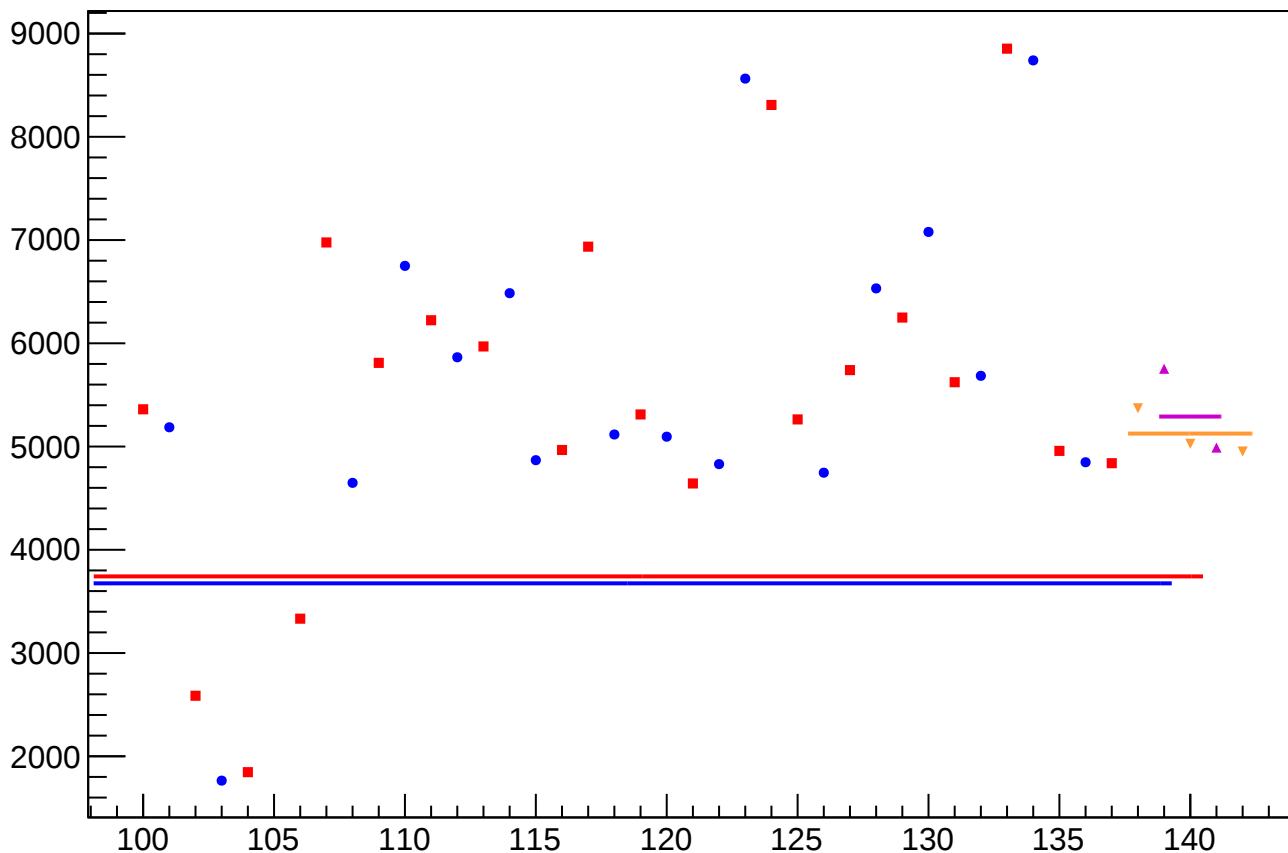
Right Out: -3190.143 ± 1604.066 χ^2/NDF : 16.9/19

Left In: -5536.594 ± 4242.350 χ^2/NDF : 0.0/1

2117.030 ± 1472.453 χ^2/NDF : 18.8/19

-3483.644 ± 1500.395 χ^2/NDF : 17.2/21

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5125.568+/-2.602 χ^2/NDF : 4686.2/2

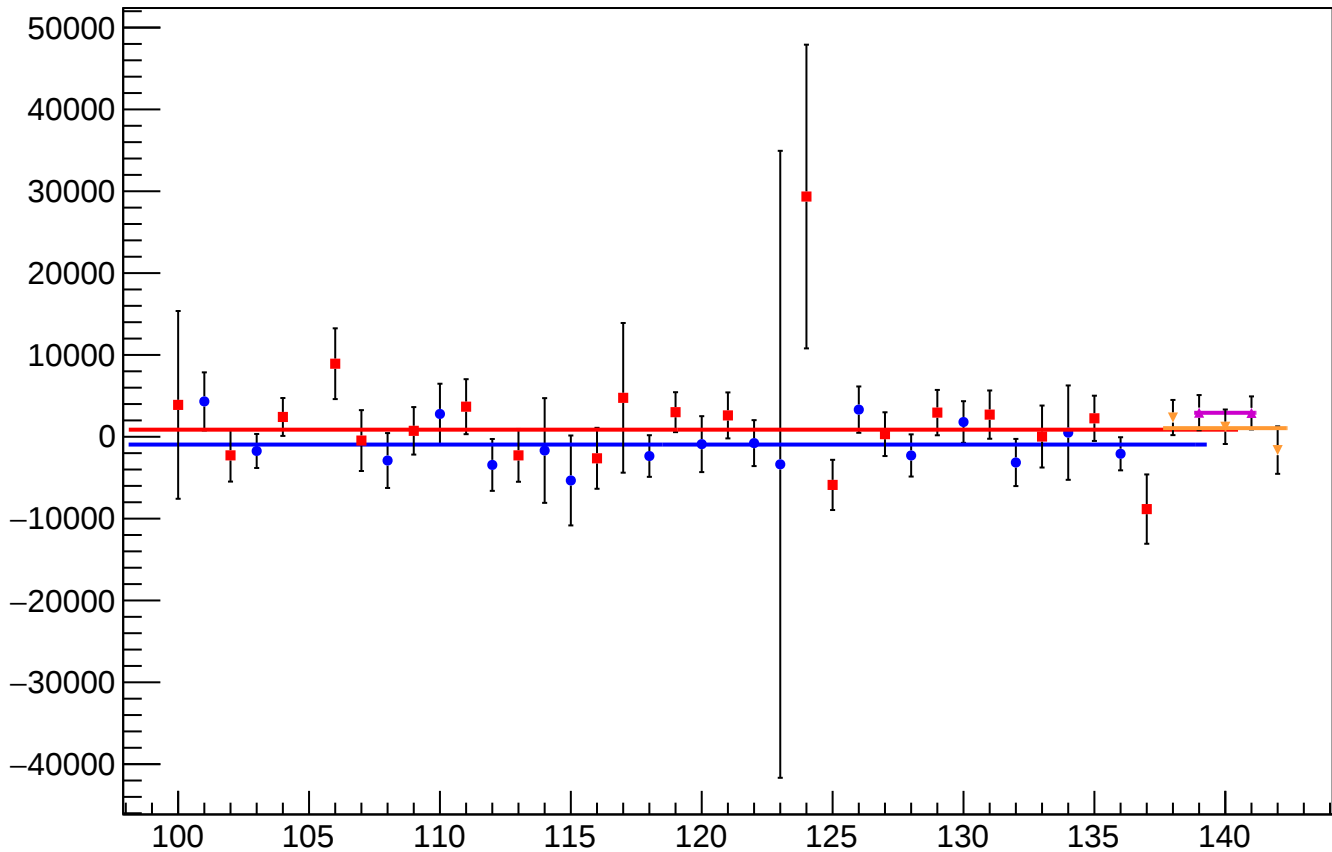
Right Out: 3742.124+/-1.127 χ^2/NDF : 2712365.3/19

Left In: 5290.497+/-3.000 χ^2/NDF : 15460.2/1

3907.244+/-1.041 χ^2/NDF : 3040777.1/19

3933.558+/-1.055 χ^2/NDF : 2961307.4/21

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 $\chi^2/\text{NDF}: 10.0/16$

Left Out: 1054.908+/-1335.289 $\chi^2/\text{NDF}: 1.2/2$

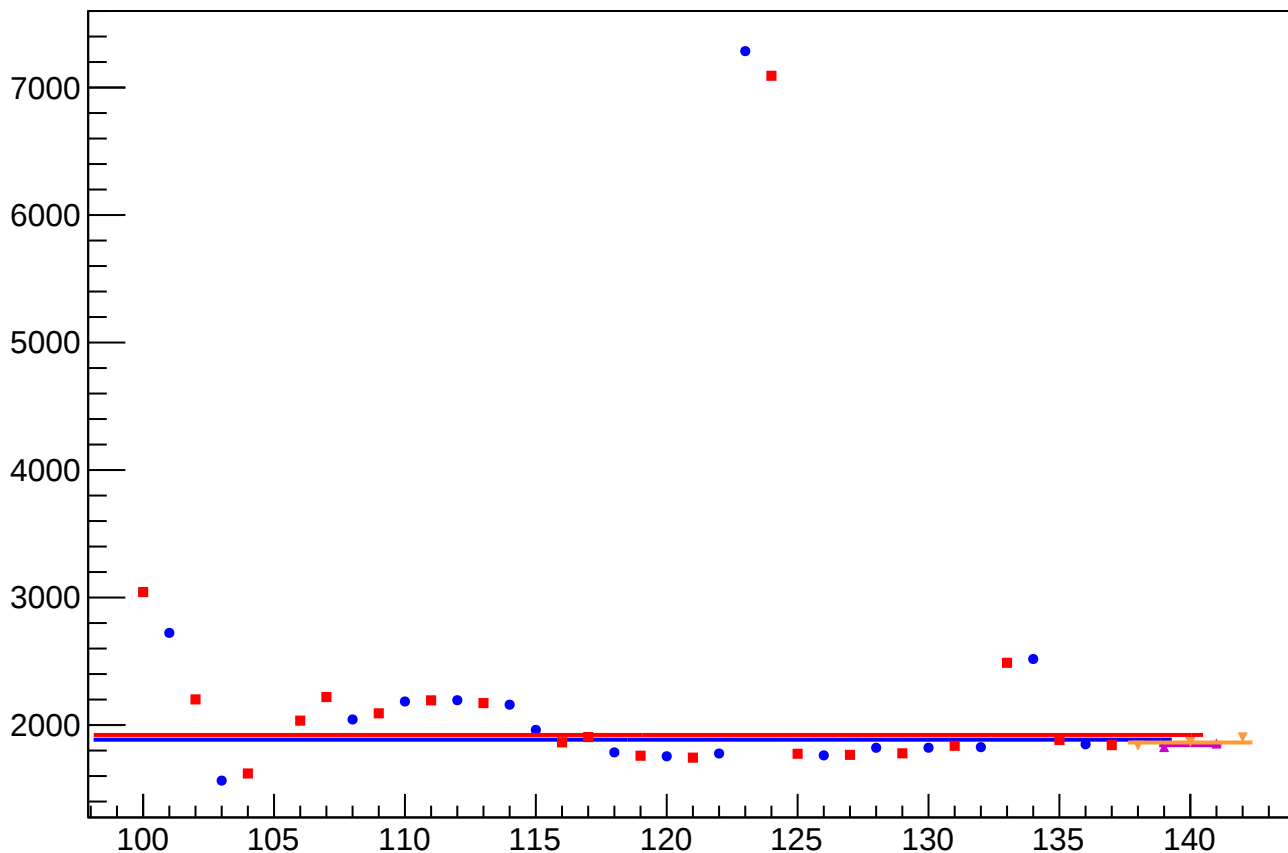
Right Out: 868.810+/-735.140 $\chi^2/\text{NDF}: 22.7/19$

Left In: 2930.762+/-1471.964 $\chi^2/\text{NDF}: 0.0/1$

-479.327+/-647.699 $\chi^2/\text{NDF}: 12.9/19$

1280.446+/-657.680 $\chi^2/\text{NDF}: 24.3/21$

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360 ± 0.524 χ^2/NDF : 280429.0/16

Left Out: 1863.127 ± 0.944 χ^2/NDF : 665.5/2

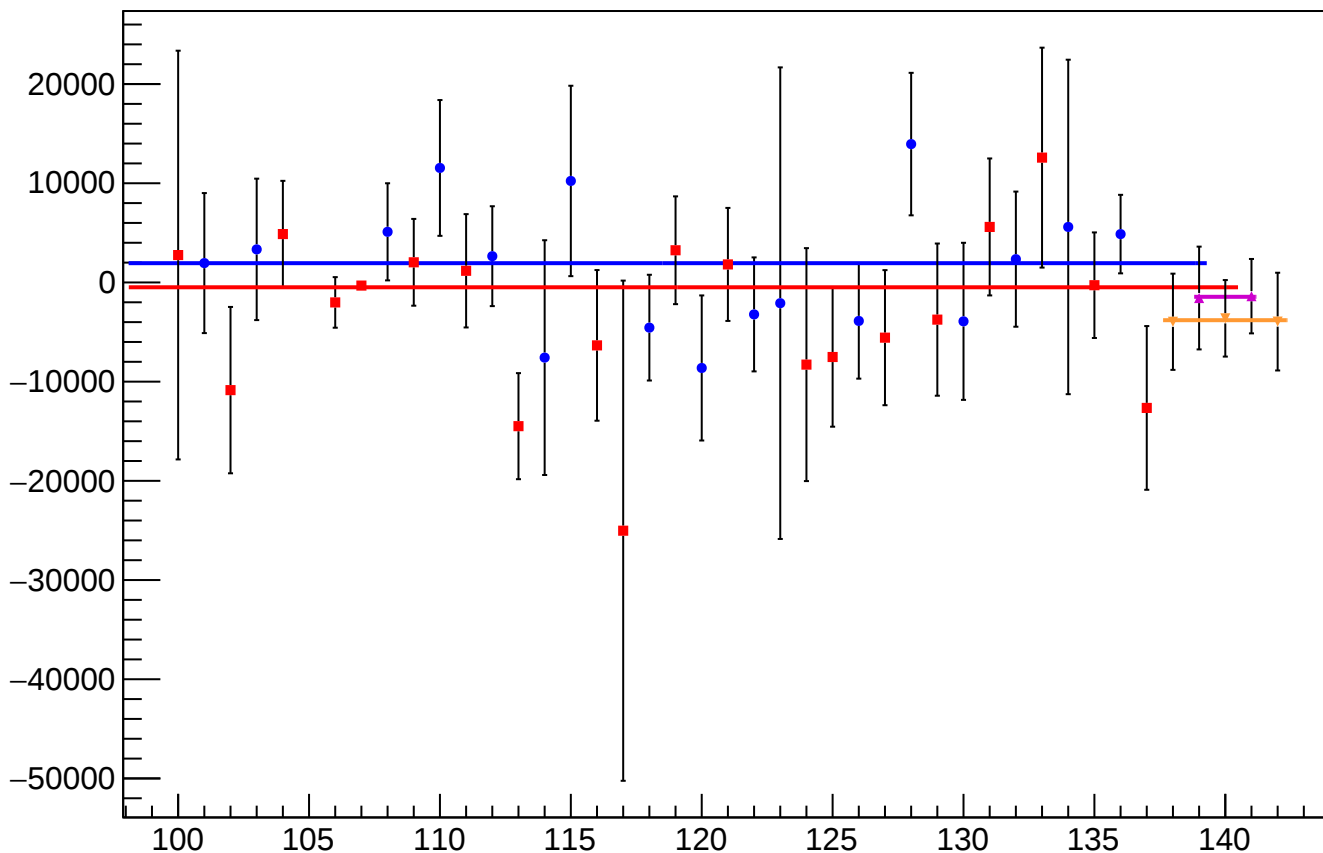
Right Out: 1922.430 ± 0.519 χ^2/NDF : 351518.8/19

Left In: 1842.328 ± 1.041 χ^2/NDF : 174.4/1

1880.129 ± 0.458 χ^2/NDF : 281518.6/19

1906.478 ± 0.464 χ^2/NDF : 356436.5/21

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -3804.724+/-2573.983 χ^2/NDF : 0.0/2

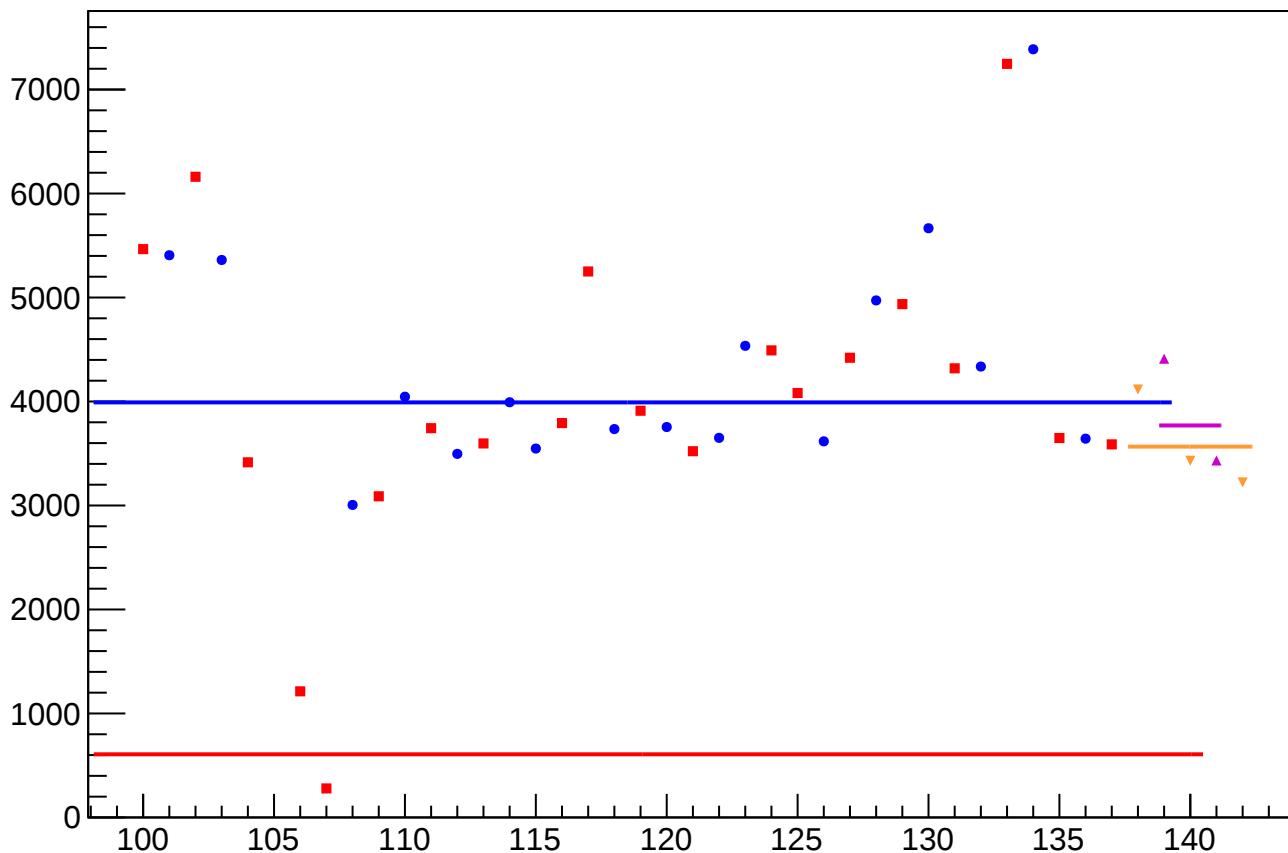
Right Out: -486.774+/-453.611 χ^2/NDF : 19.0/19

Left In: -1447.301+/-3038.130 χ^2/NDF : 0.0/1

368.591+/-1347.207 χ^2/NDF : 16.8/19

-507.720+/-448.638 χ^2/NDF : 19.1/21

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416 $\pm$ 1.118 χ^2 /NDF: 510782.7/16

Left Out: 3566.324 $\pm$ 1.820 χ^2 /NDF: 37903.2/2

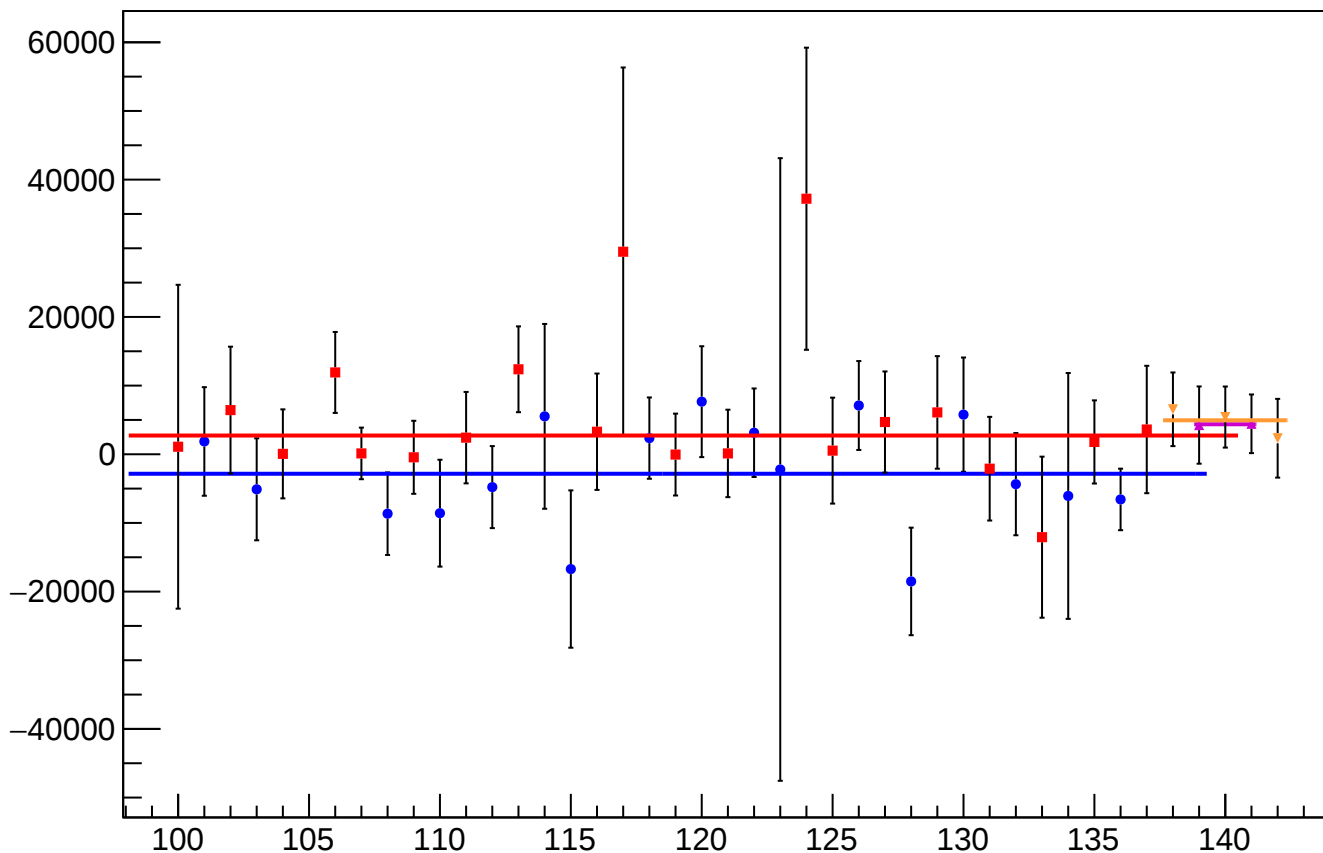
Right Out: 607.234 $\pm$ 0.321 χ^2 /NDF: 10314440.1/19

Left In: 3769.592 $\pm$ 2.148 χ^2 /NDF: 46827.1/1

3874.966 $\pm$ 0.953 χ^2 /NDF: 588291.6/19

676.193 $\pm$ 0.317 χ^2 /NDF: 12480916.8/21

asym_atl1r2_dd_mean vs Slug



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

Left Out: 4947.865+/-2939.178 χ^2/NDF : 0.3/2

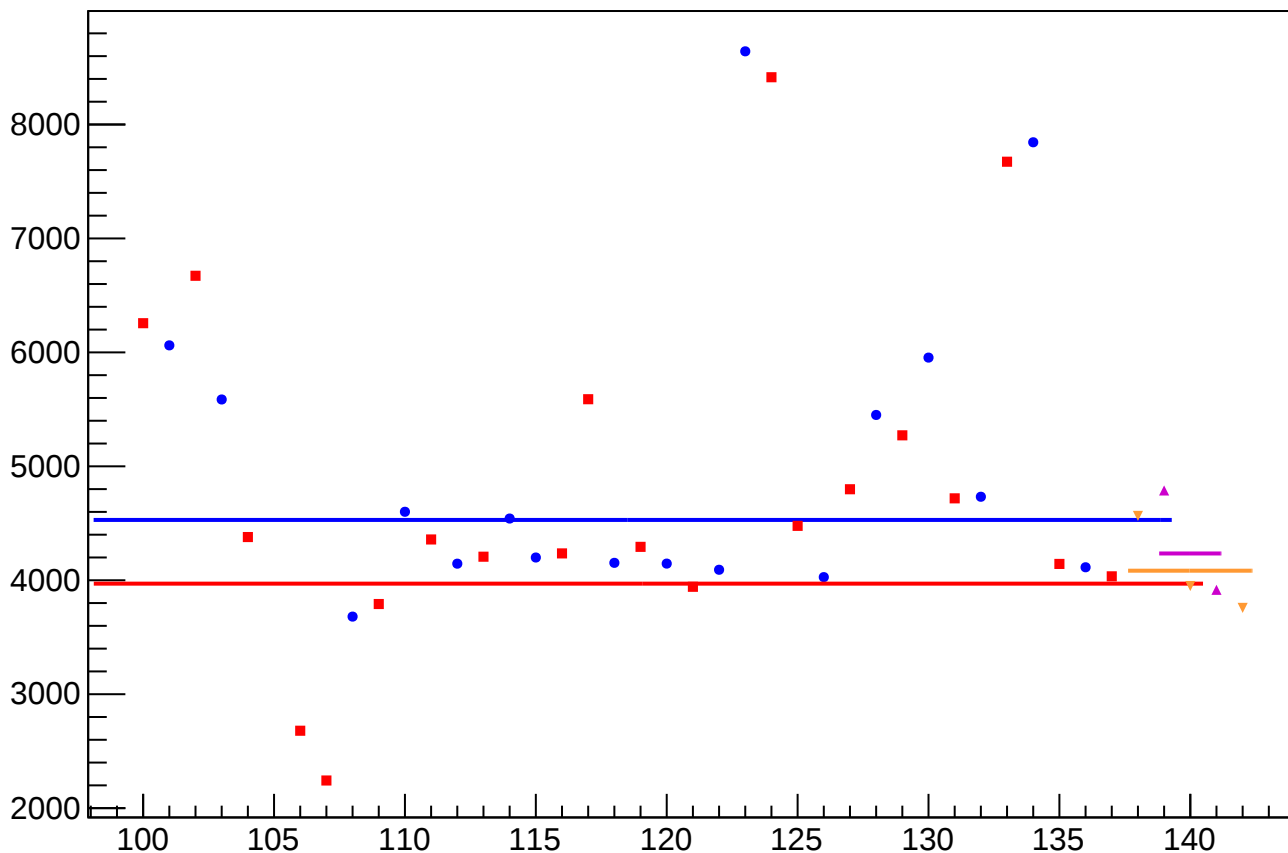
Right Out: 2729.311+/-1572.398 χ^2/NDF : 12.2/19

Left In: 4369.210+/-3402.109 χ^2/NDF : 0.0/1

-739.529+/-1526.317 χ^2/NDF : 20.9/19

3017.957+/-1427.323 χ^2/NDF : 12.4/21

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4084.004+/-2.078 χ^2/NDF : 24390.0/2

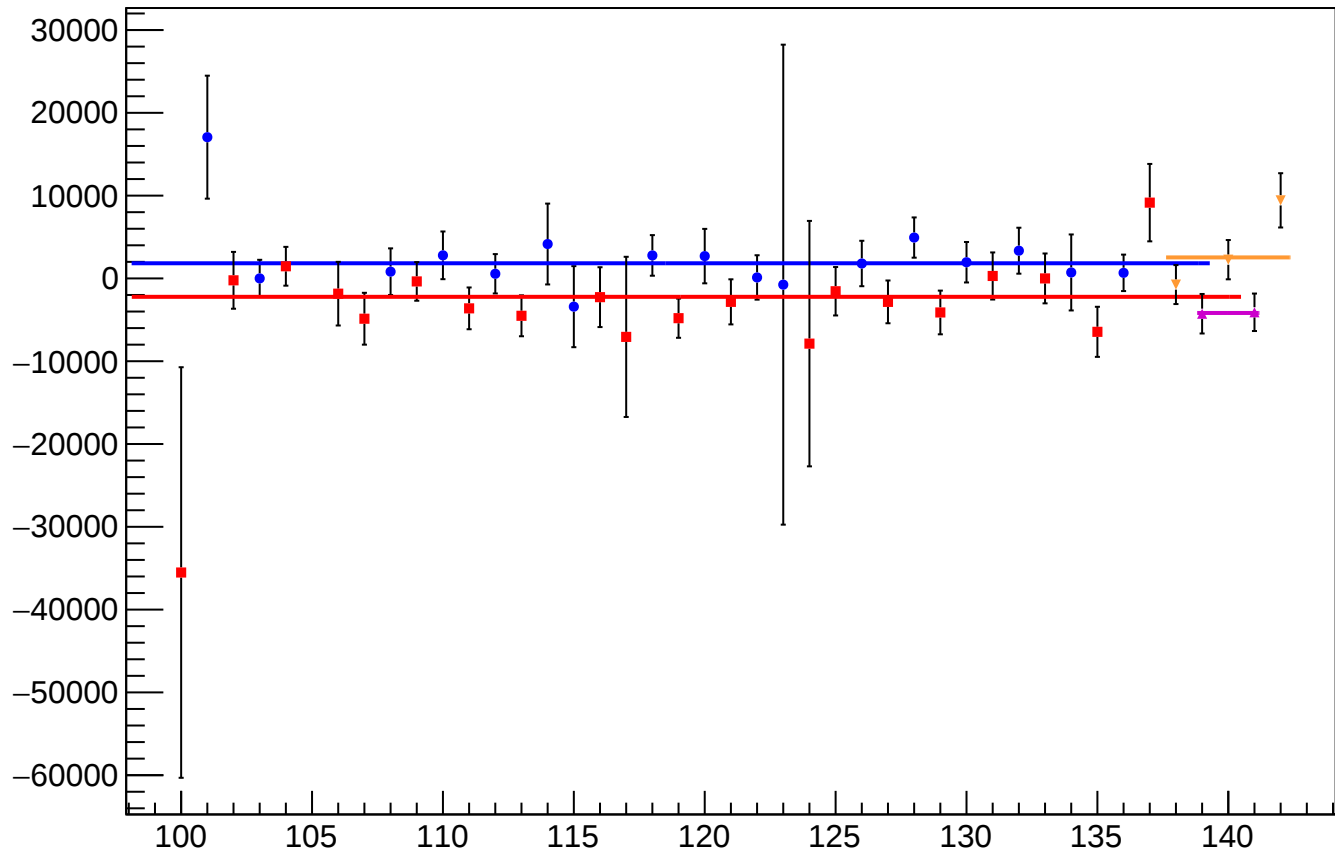
Right Out: 3970.336+/-1.105 χ^2/NDF : 1147711.9/19

Left In: 4235.110+/-2.406 χ^2/NDF : 30474.1/1

4409.334+/-1.079 χ^2/NDF : 447267.3/19

4016.451+/-1.004 χ^2/NDF : 1188190.1/21

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 2537.252+/-1488.401 χ^2/NDF : 6.4/2

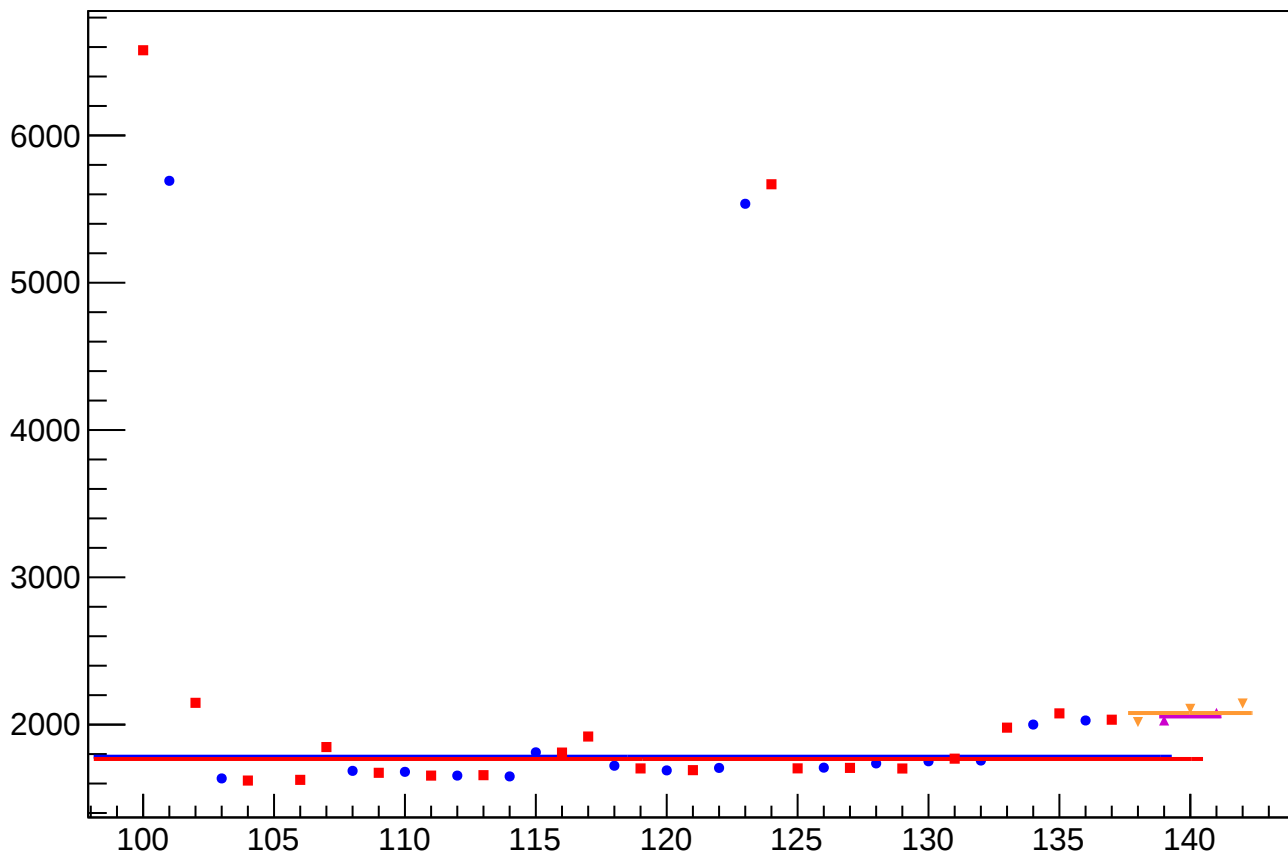
Right Out: -2222.274+/-682.500 χ^2/NDF : 18.6/19

Left In: -4172.953+/-1642.171 χ^2/NDF : 0.0/1

1961.587+/-641.805 χ^2/NDF : 16.2/19

-2509.588+/-630.237 χ^2/NDF : 19.8/21

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2078.689+/-1.052 χ^2/NDF : 2422.3/2

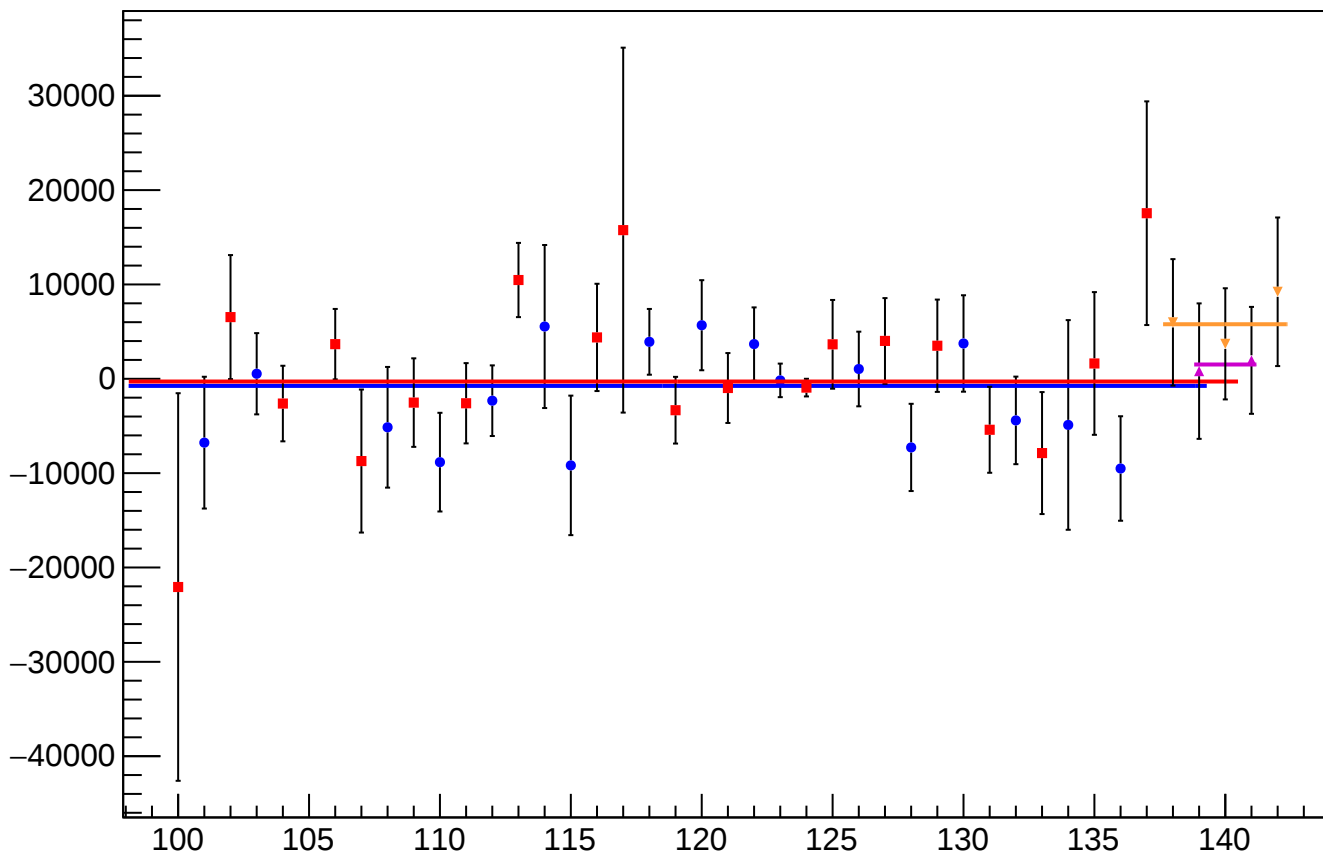
Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

Left In: 2055.350+/-1.161 χ^2/NDF : 494.1/1

1837.277+/-0.454 χ^2/NDF : 712243.4/19

1808.738+/-0.443 χ^2/NDF : 360581.2/21

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: 5783.164+/-3857.573 χ^2/NDF : 0.3/2

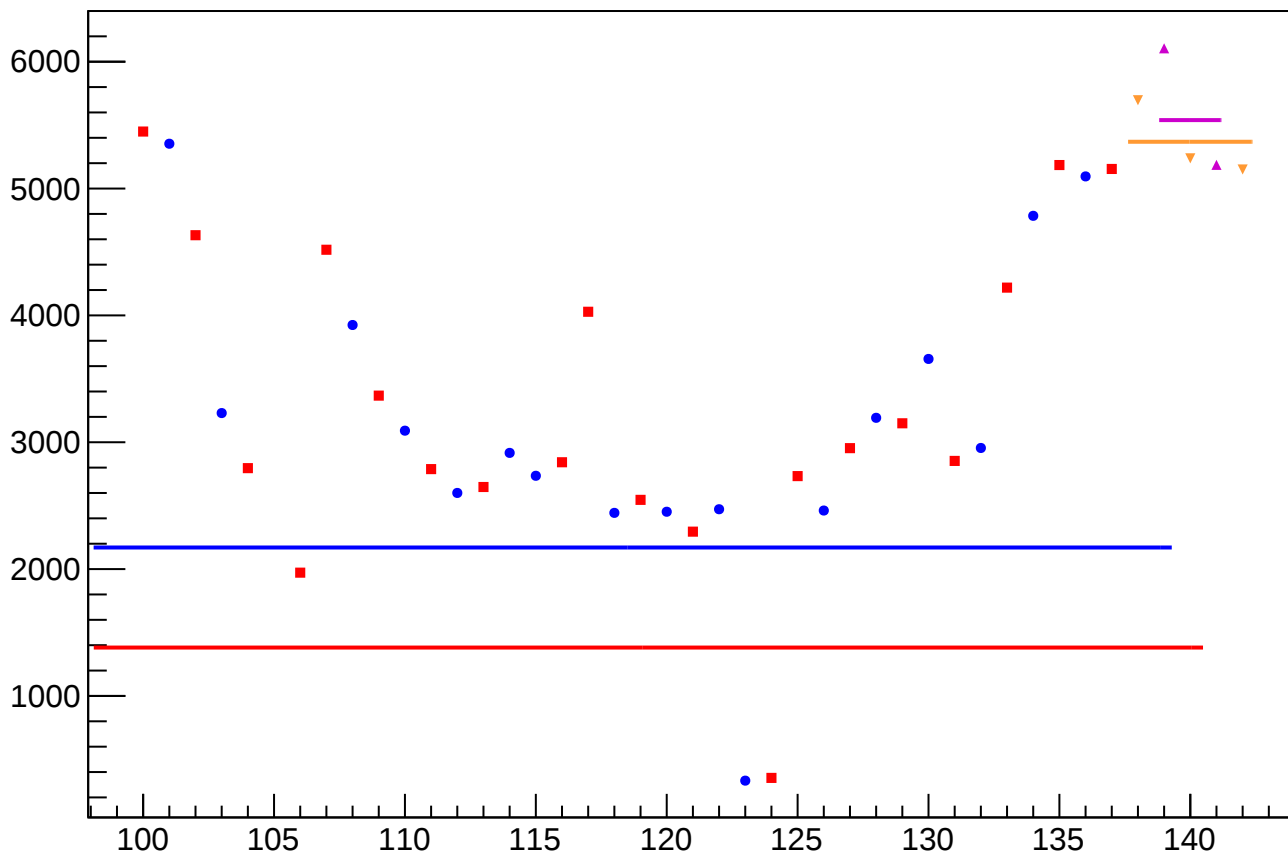
Right Out: -288.847+/-724.622 χ^2/NDF : 22.7/19

Left In: 1515.747+/-4448.370 χ^2/NDF : 0.0/1

-335.231+/-975.728 χ^2/NDF : 19.9/19

-242.199+/-715.196 χ^2/NDF : 22.9/21

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 5368.871+/-2.728 χ^2/NDF : 7294.7/2

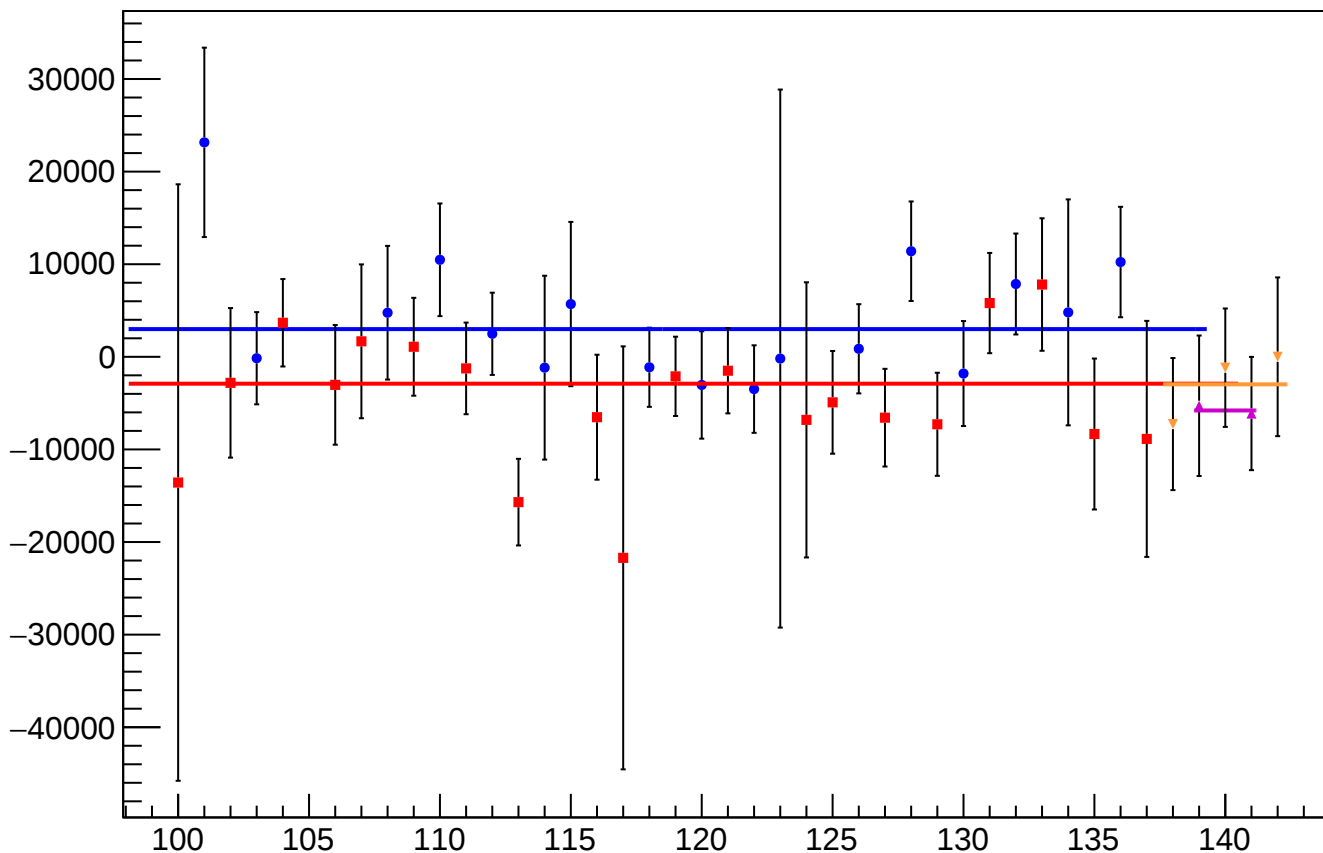
Right Out: 1381.438+/-0.512 χ^2/NDF : 6884822.3/19

Left In: 5539.622+/-3.145 χ^2/NDF : 20173.9/1

2374.883+/-0.690 χ^2/NDF : 5268130.4/19

1488.924+/-0.506 χ^2/NDF : 8607396.6/21

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 ± 1447.211 χ^2/NDF : 15.7/16

Left Out: -2970.191 ± 4161.652 χ^2/NDF : 0.6/2

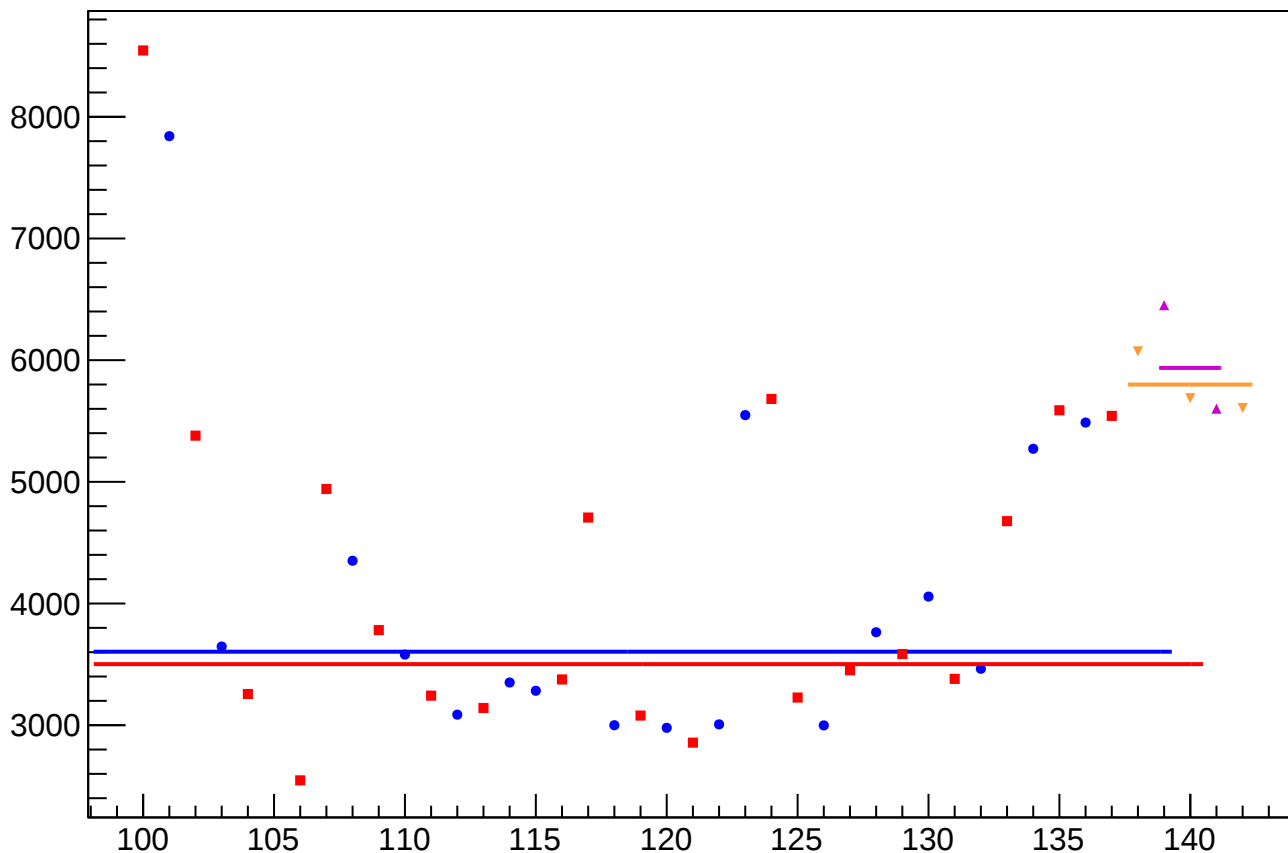
Right Out: -2901.985 ± 1376.603 χ^2/NDF : 18.4/19

Left In: -5793.724 ± 4760.496 χ^2/NDF : 0.0/1

2349.499 ± 1366.918 χ^2/NDF : 18.1/19

-3125.134 ± 1322.422 χ^2/NDF : 18.8/21

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5799.508 ± 2.943 χ^2/NDF : 4553.2/2

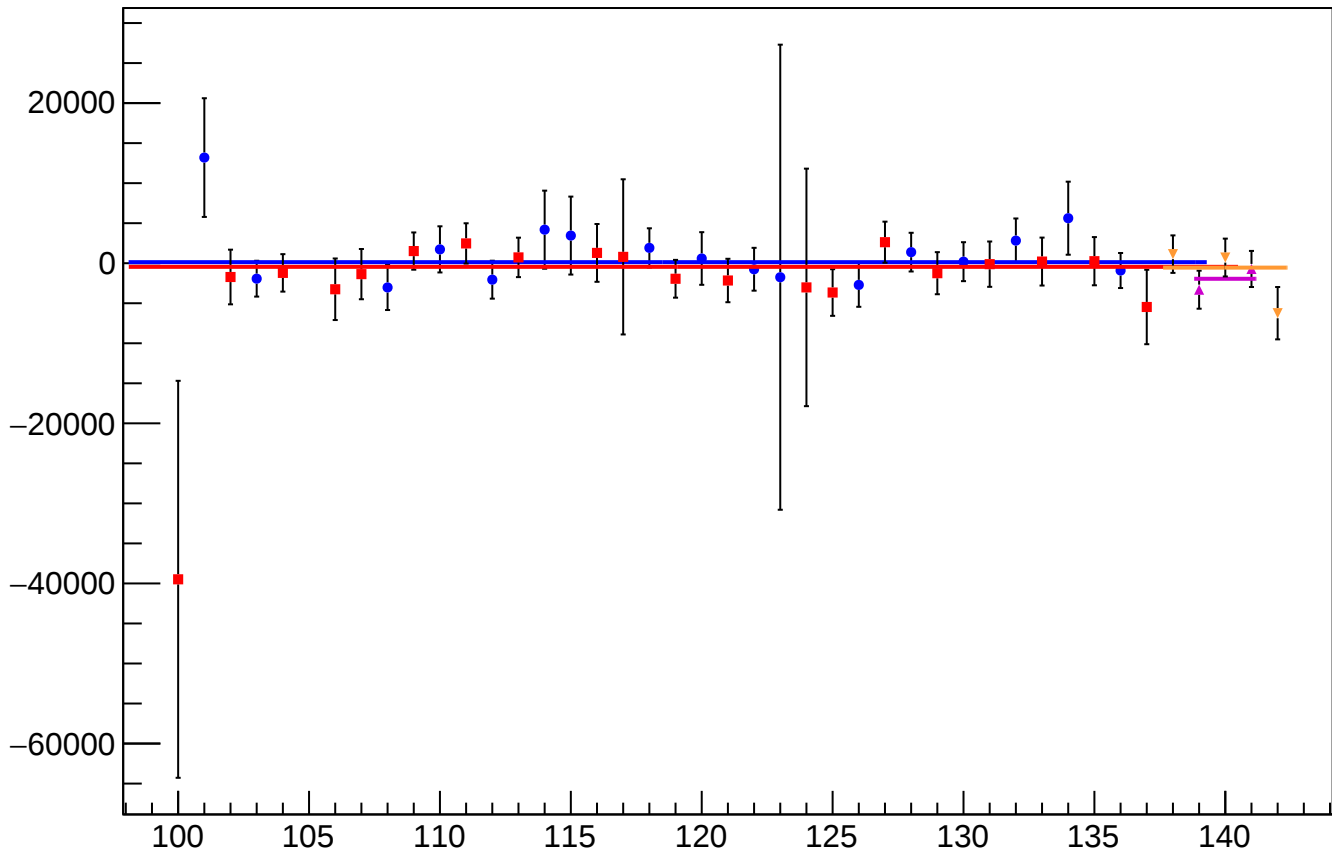
Right Out: 3501.857 ± 0.960 χ^2/NDF : 667483.1/19

Left In: 5936.454 ± 3.366 χ^2/NDF : 15241.7/1

3840.793 ± 0.967 χ^2/NDF : 1285841.2/19

3684.951 ± 0.923 χ^2/NDF : 1166479.7/21

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: -549.951 $\pm$ 1482.445 χ^2 /NDF: 3.8/2

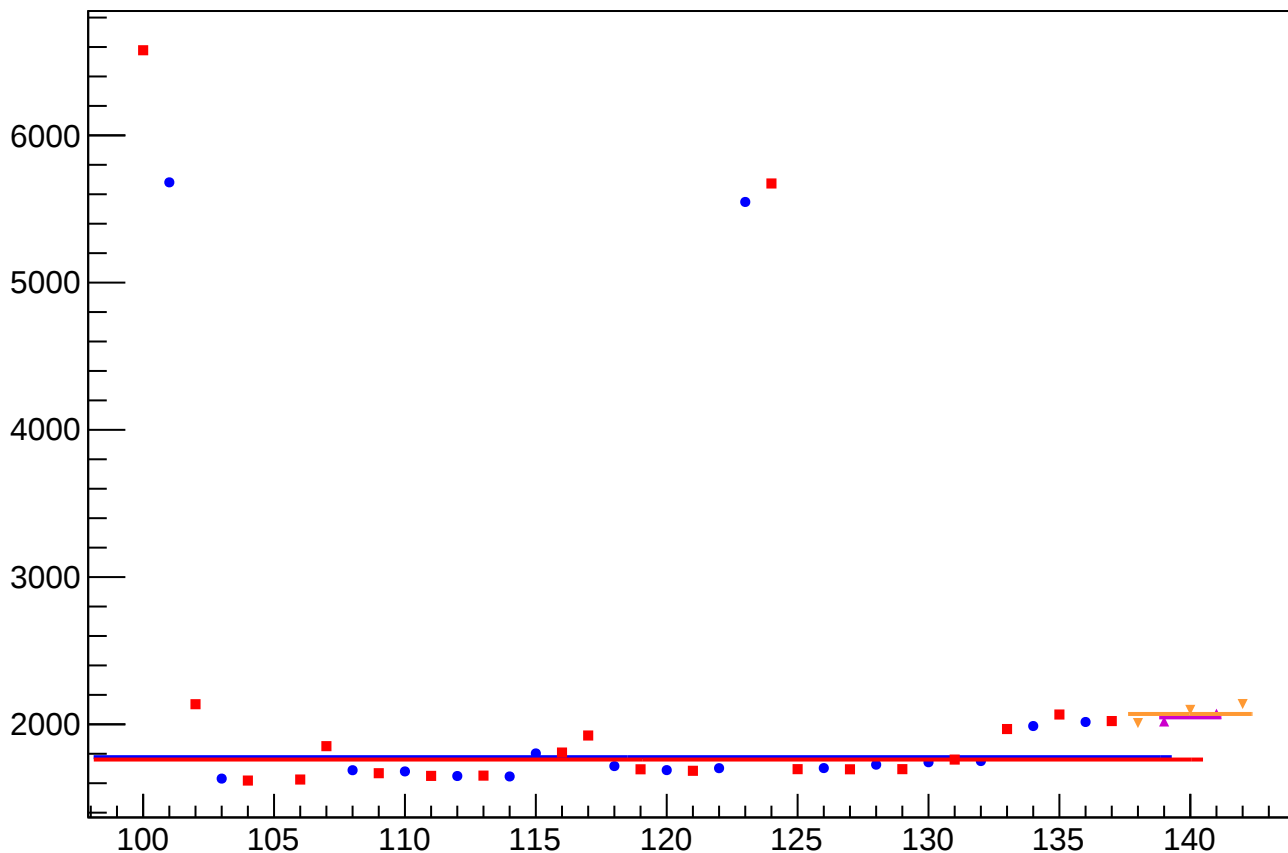
Right Out: -452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

Left In: -1945.105 $\pm$ 1635.584 χ^2 /NDF: 0.6/1

4.106 $\pm$ 639.764 χ^2 /NDF: 16.2/19

-672.881 $\pm$ 628.022 χ^2 /NDF: 12.1/21

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 2070.330+/-1.048 χ^2/NDF :2519.9/2

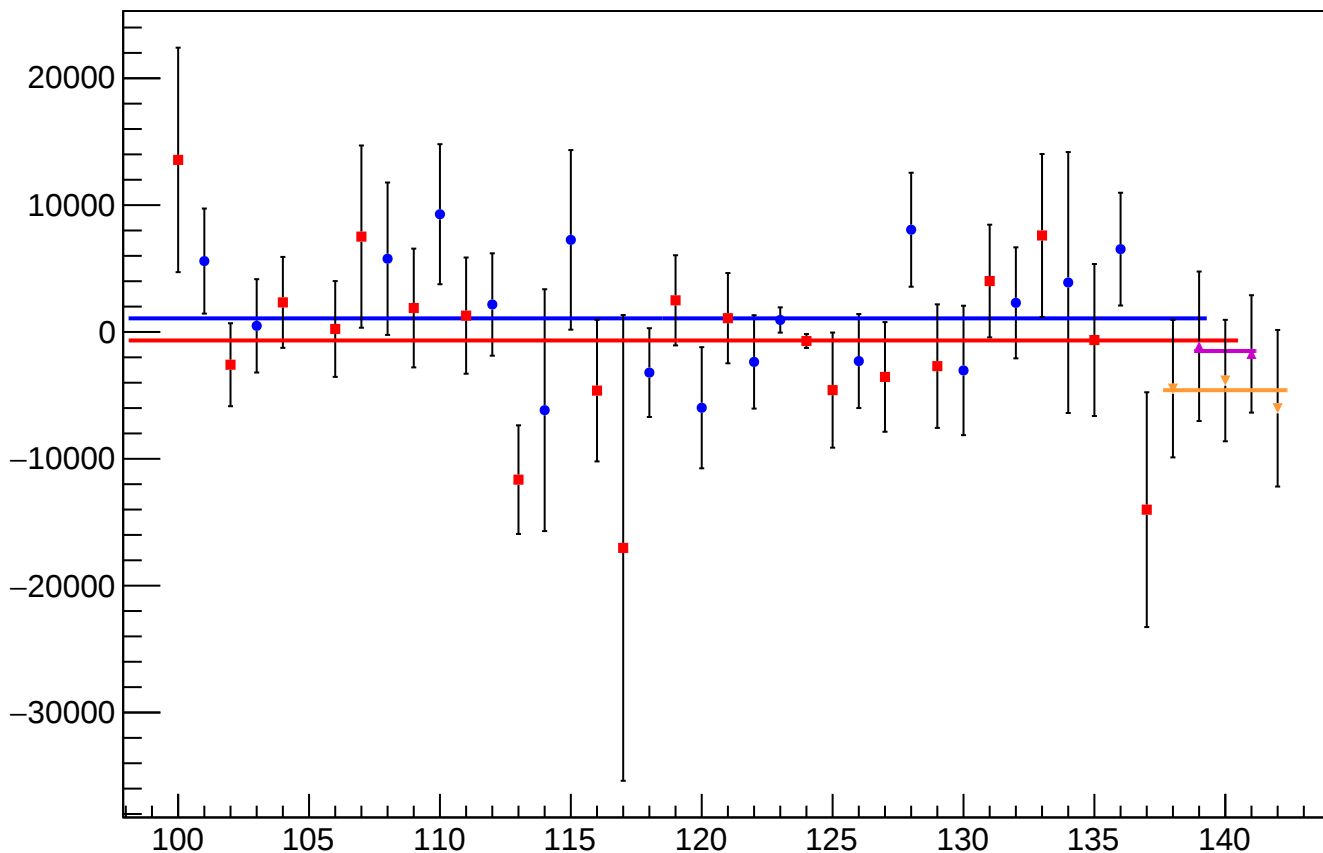
Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

Left In: 2047.211+/-1.157 χ^2/NDF :521.3/1

1831.532+/-0.452 χ^2/NDF : 709869.7/19

1802.529+/-0.442 χ^2/NDF : 359641.3/21

asym_atr1l2_dd_correction_mean vs Slug



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

Left Out: -4591.661+/-3101.921 χ^2/NDF : 0.1/2

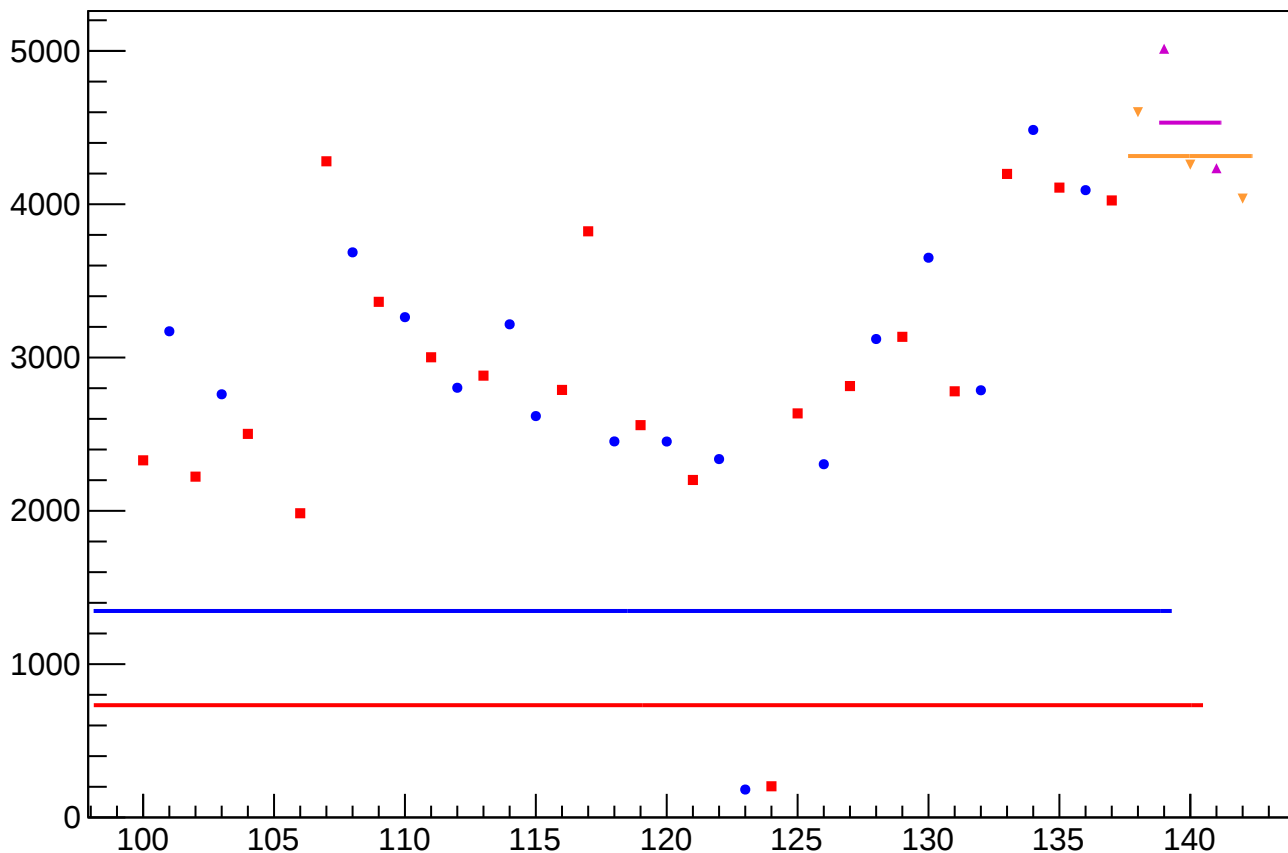
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: -1500.569+/-3639.199 χ^2/NDF : 0.0/1

757.572+/-731.087 χ^2/NDF : 18.8/19

-684.970+/-483.536 χ^2/NDF : 20.6/21

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836 $\pm$ 0.532 χ^2/NDF : 6839112.6/16

Left Out: 4314.355 $\pm$ 2.193 χ^2/NDF :9889.5/2

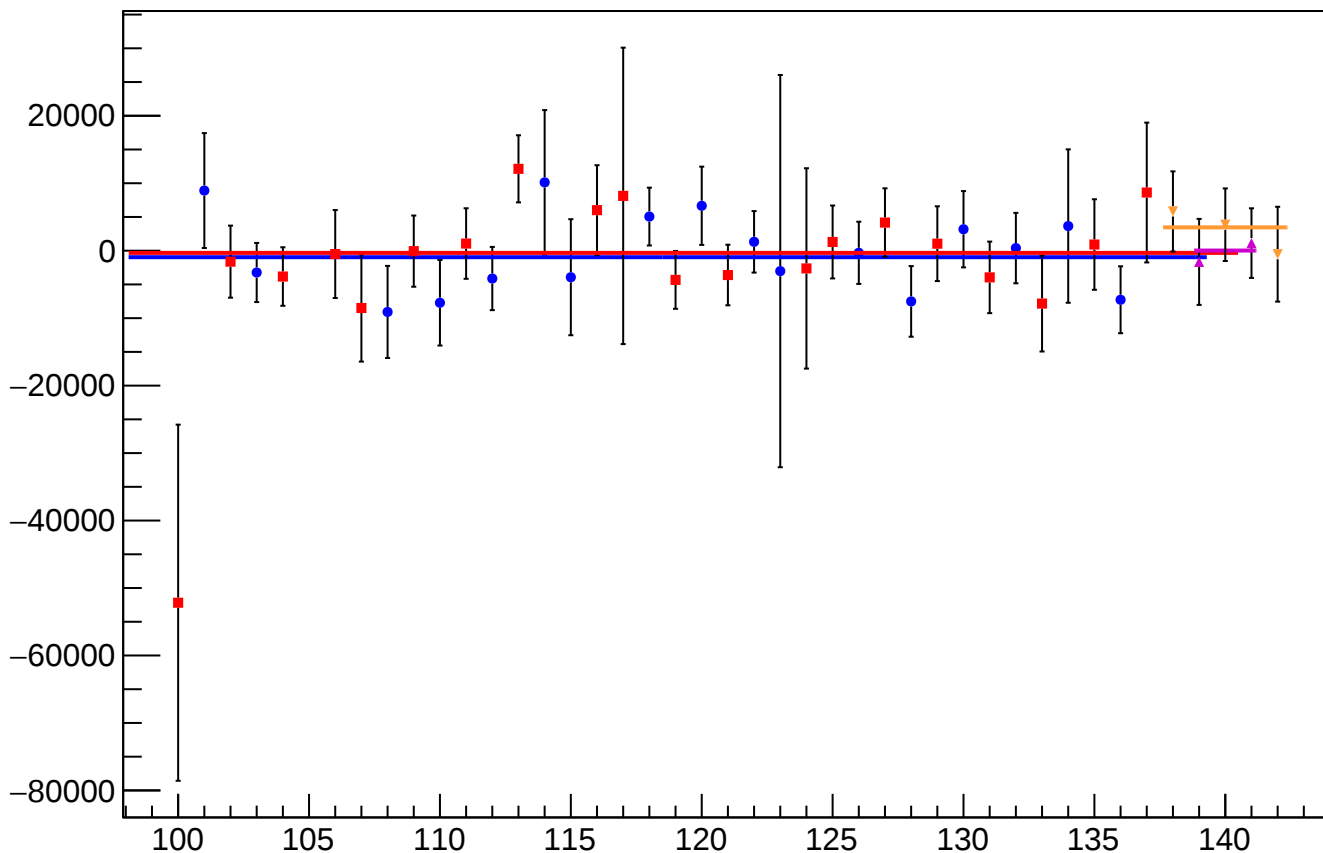
Right Out: 732.303 $\pm$ 0.345 χ^2/NDF : 9559853.6/19

Left In: 4532.199 $\pm$ 2.573 χ^2/NDF :21638.0/1

1511.679 $\pm$ 0.517 χ^2/NDF : 8577763.2/19

799.387 $\pm$ 0.342 χ^2/NDF : 11723525.1/21

asym_atr1l2_dd_mean vs Slug



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 3461.170+/-3467.761 χ^2/NDF : 0.5/2

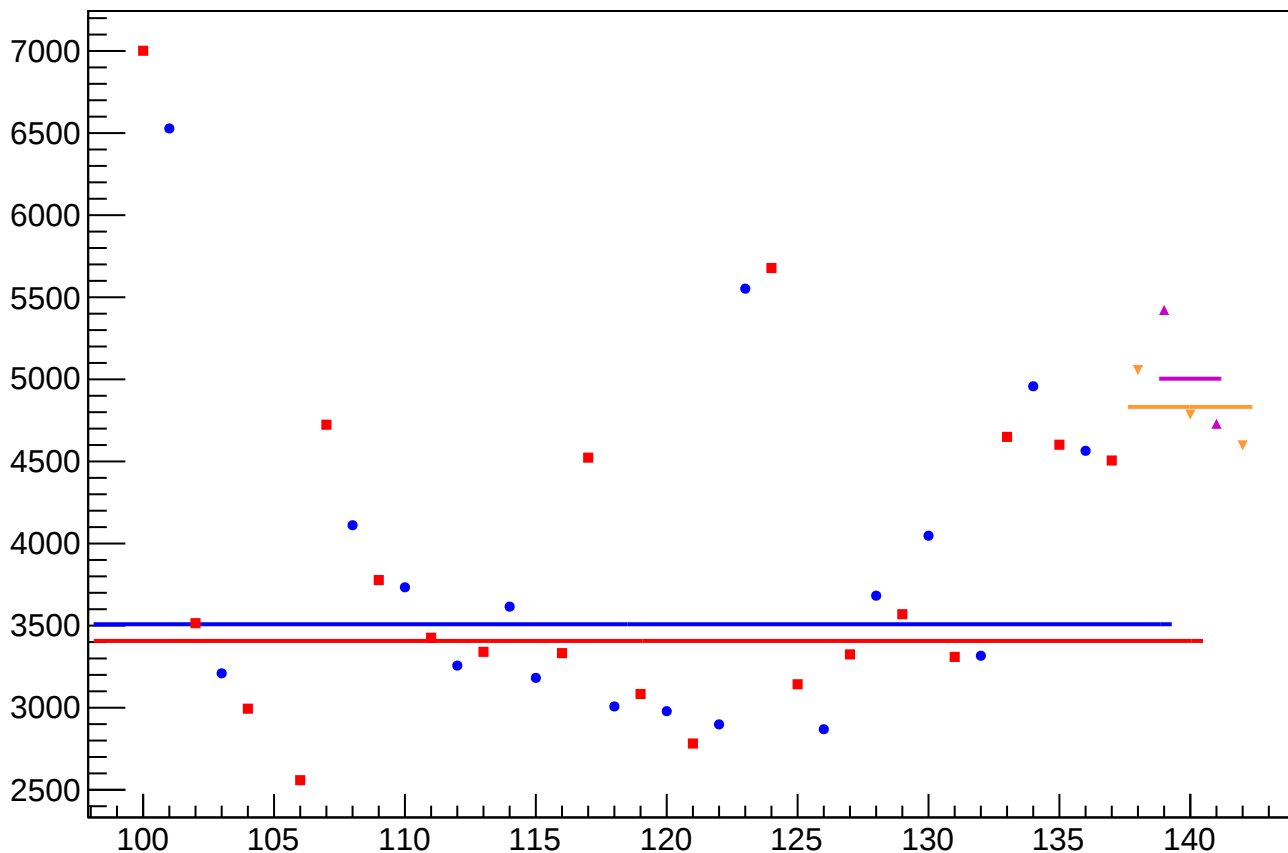
Right Out: -323.694+/-1327.331 χ^2/NDF : 17.8/19

Left In: 22.653+/-4010.529 χ^2/NDF : 0.1/1

-347.288+/-1294.706 χ^2/NDF : 15.6/19

-289.502+/-1260.110 χ^2/NDF : 17.9/21

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483 ± 0.987 χ^2/NDF : 562197.7/16

Left Out: 4832.432 ± 2.452 χ^2/NDF : 5225.3/2

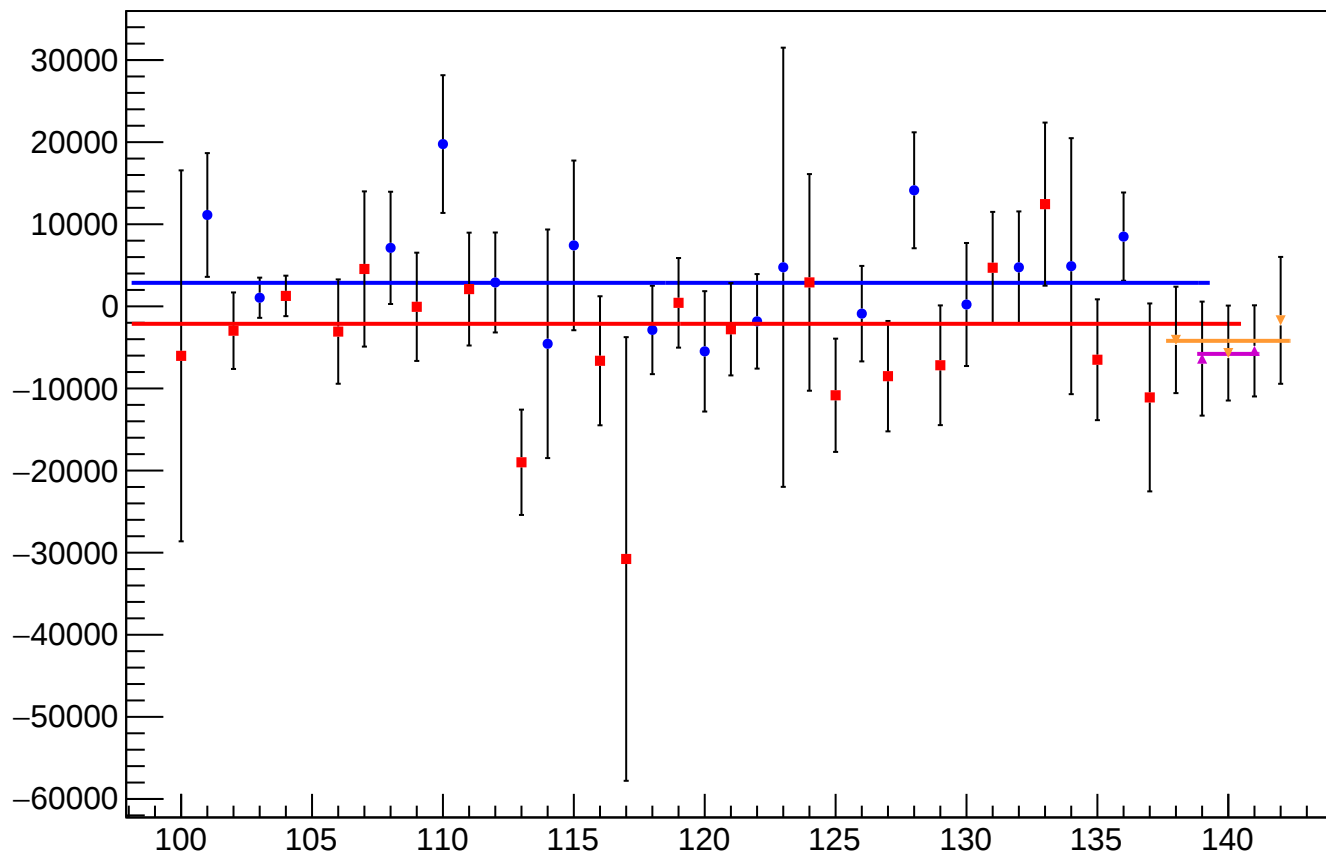
Right Out: 3406.868 ± 0.926 χ^2/NDF : 433737.9/19

Left In: 5004.067 ± 2.836 χ^2/NDF : 14297.5/1

3693.032 ± 0.915 χ^2/NDF : 818310.4/19

3560.895 ± 0.881 χ^2/NDF : 734653.9/21

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770 ± 1452.658 χ^2/NDF : 14.1/16

Left Out: -4200.118 ± 3766.986 χ^2/NDF : 0.2/2

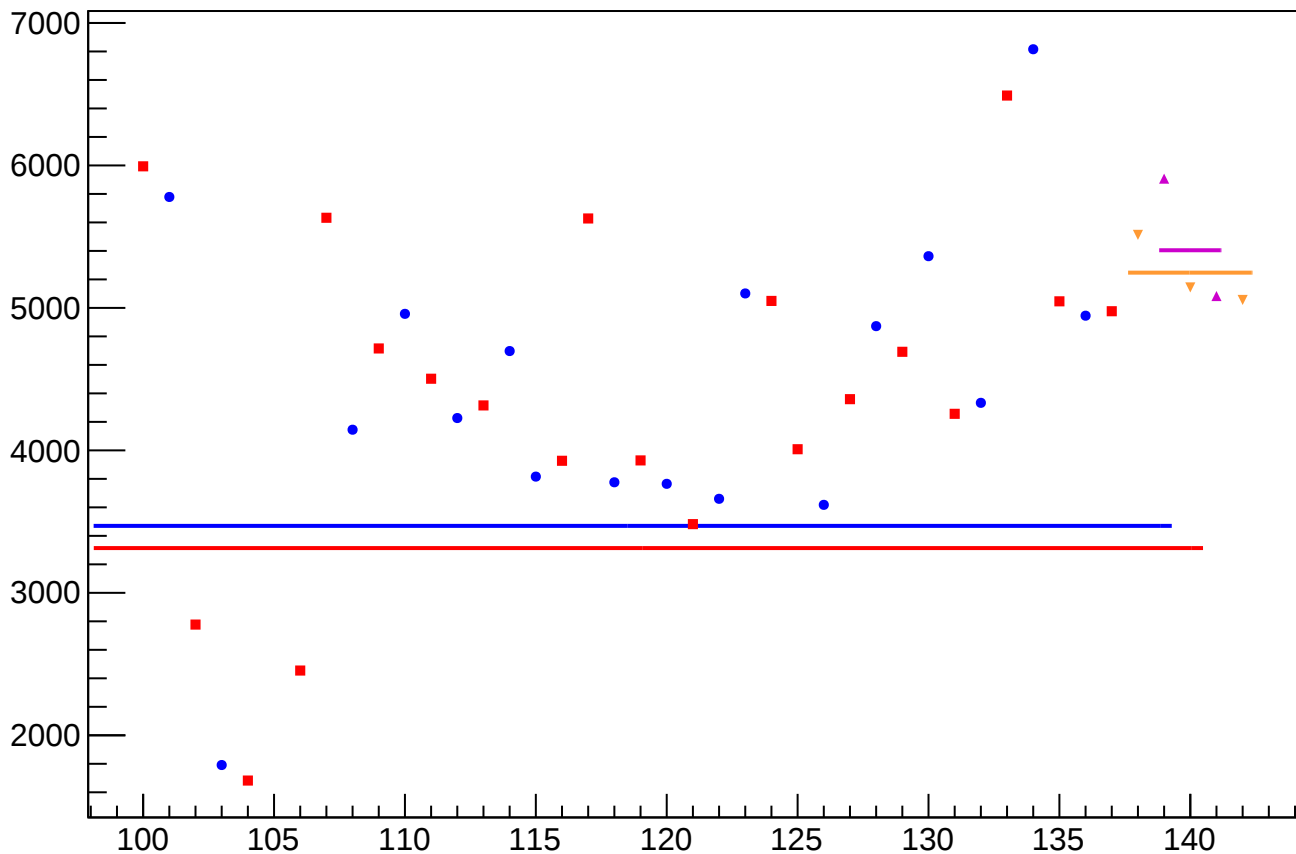
Right Out: -2126.105 ± 1379.774 χ^2/NDF : 18.8/19

Left In: -5790.107 ± 4336.057 χ^2/NDF : 0.0/1

1950.165 ± 1355.371 χ^2/NDF : 17.3/19

-2462.998 ± 1314.812 χ^2/NDF : 19.5/21

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: 5247.504 $\pm$ 2.664 χ^2/NDF : 5223.6/2

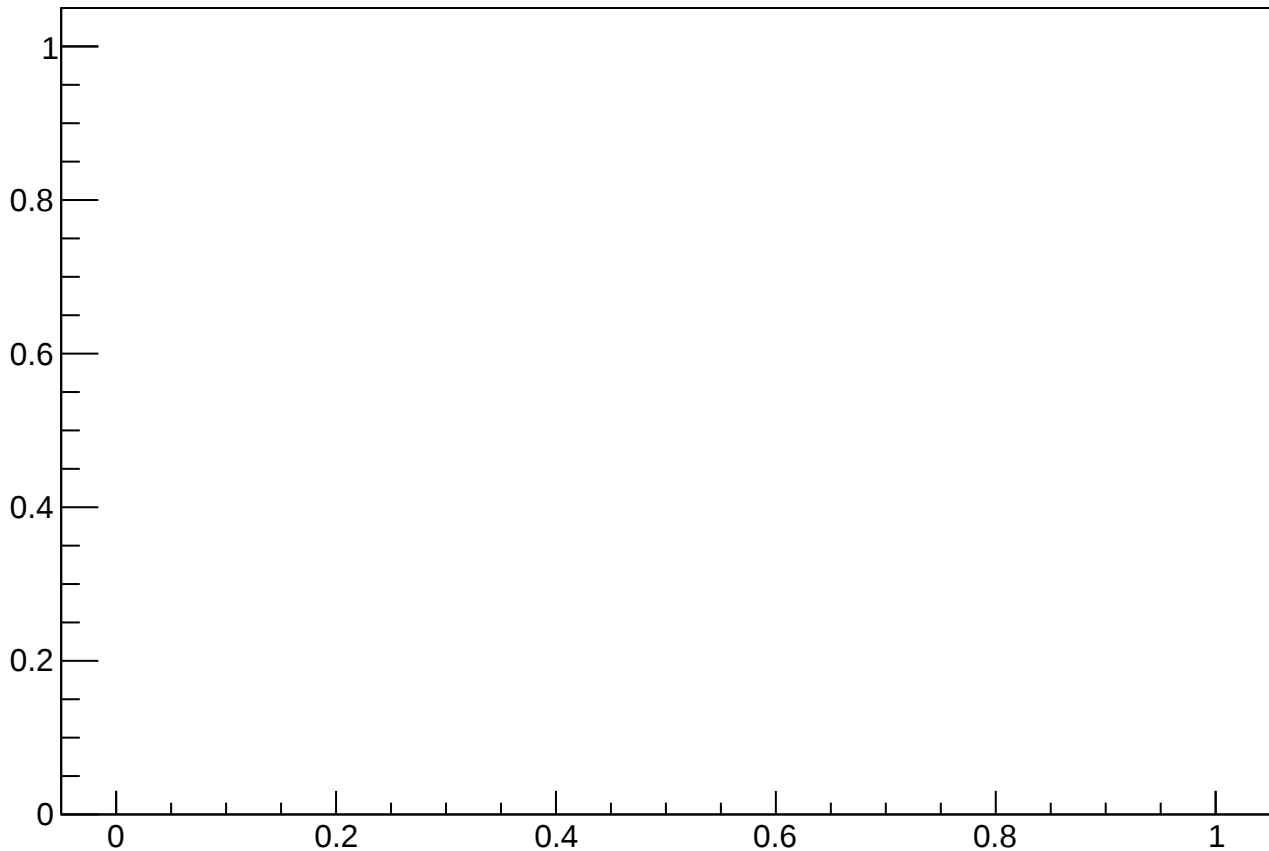
Right Out: 3314.183 $\pm$ 0.967 χ^2/NDF : 1925484.9/19

Left In: 5404.659 $\pm$ 3.066 χ^2/NDF : 17185.0/1

3700.139 $\pm$ 0.958 χ^2/NDF : 2153730.1/19

3503.224 $\pm$ 0.922 χ^2/NDF : 2365500.8/21

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

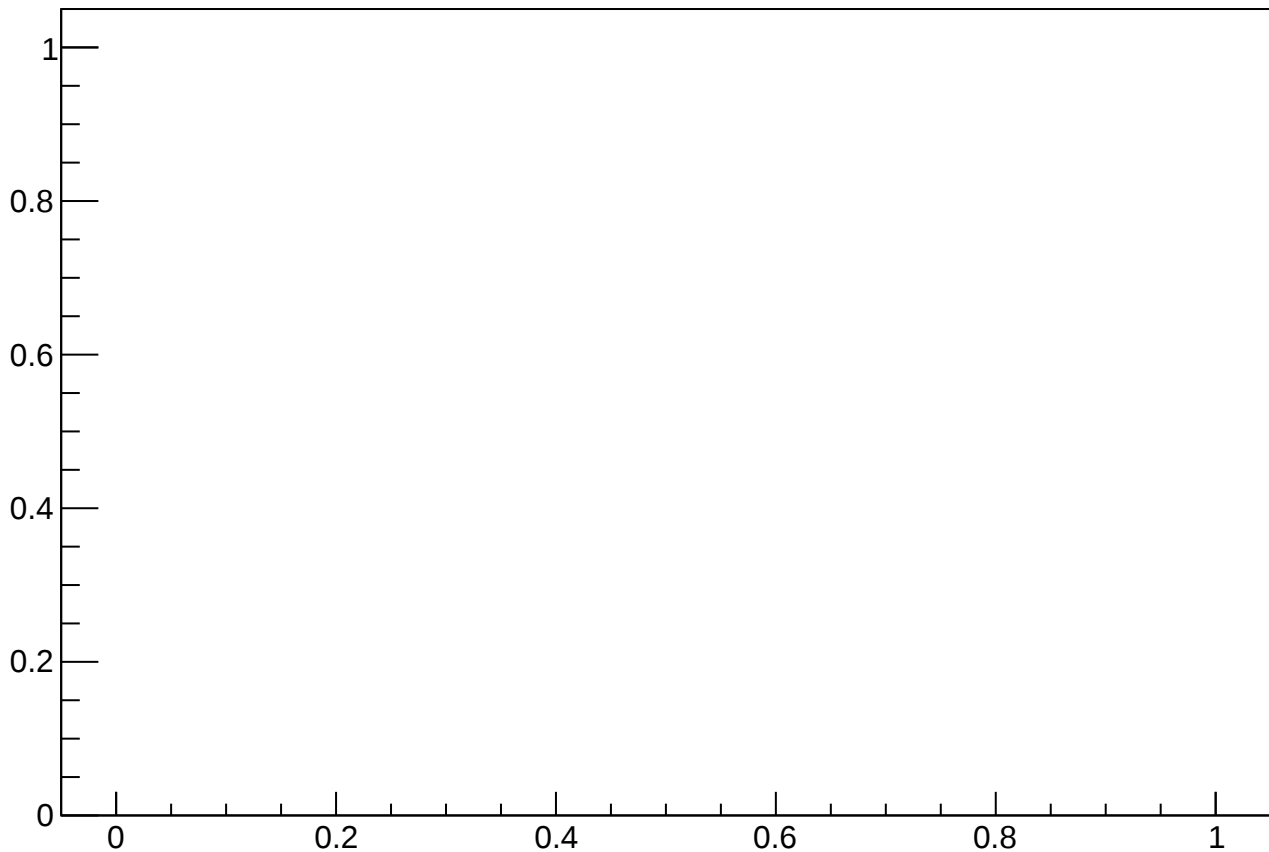
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

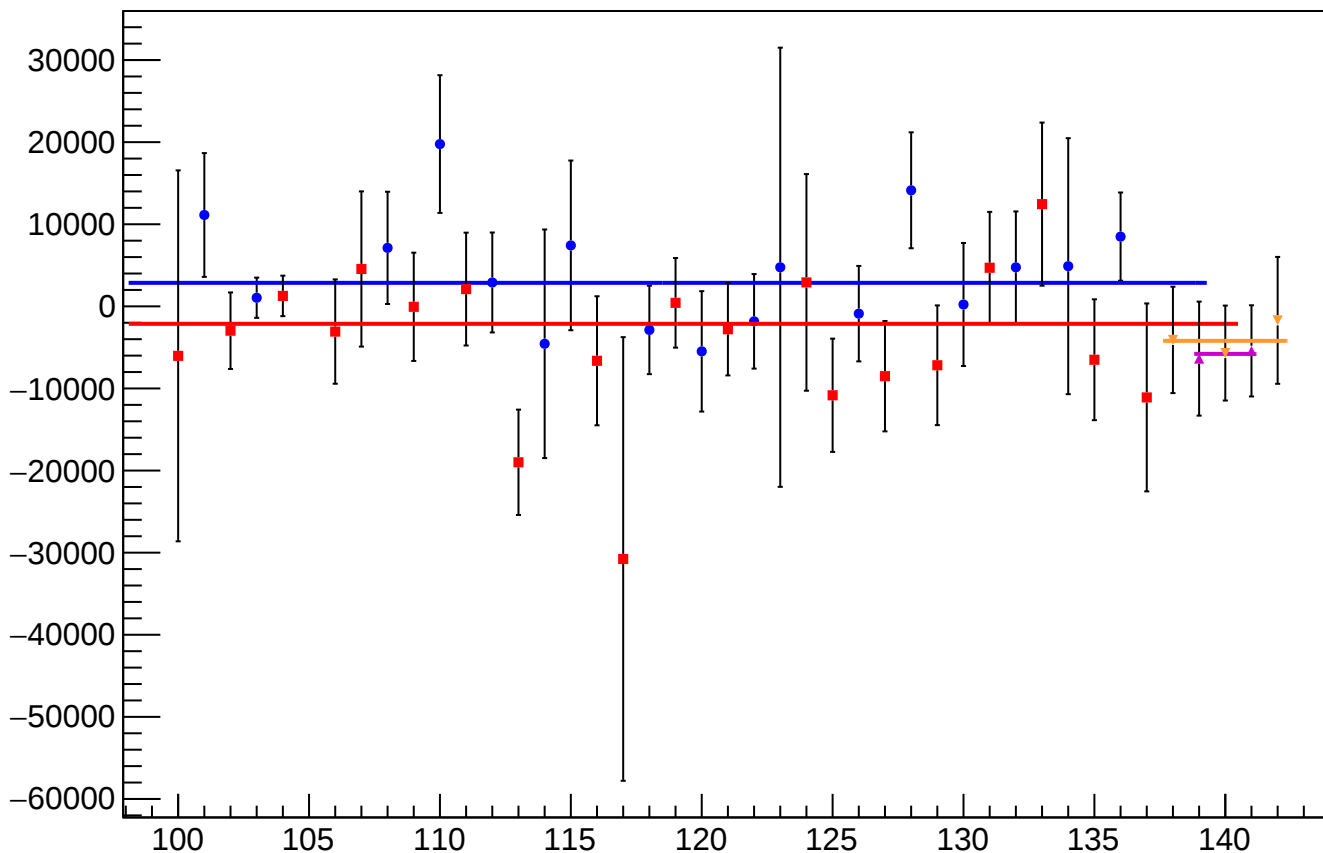
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: -4200.118 $\pm$ 3766.986 χ^2 /NDF: 0.2/2

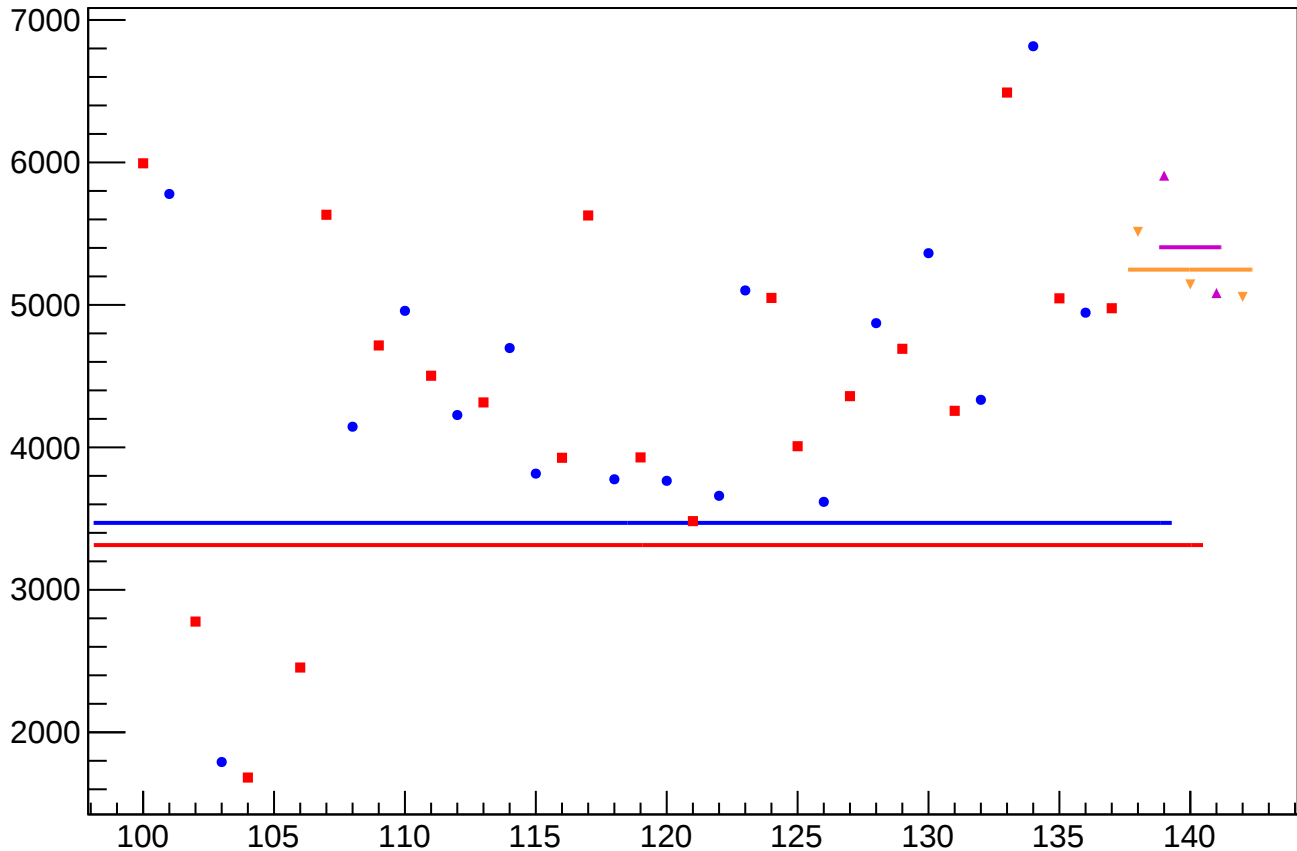
Right Out: -2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

Left In: -5790.107 $\pm$ 4336.057 χ^2 /NDF: 0.0/1

1950.165 $\pm$ 1355.371 χ^2 /NDF: 17.3/19

-2462.998 $\pm$ 1314.812 χ^2 /NDF: 19.5/21

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2/NDF : 1760860.6/16

Left Out: 5247.504 $\pm$ 2.664 χ^2/NDF : 5223.6/2

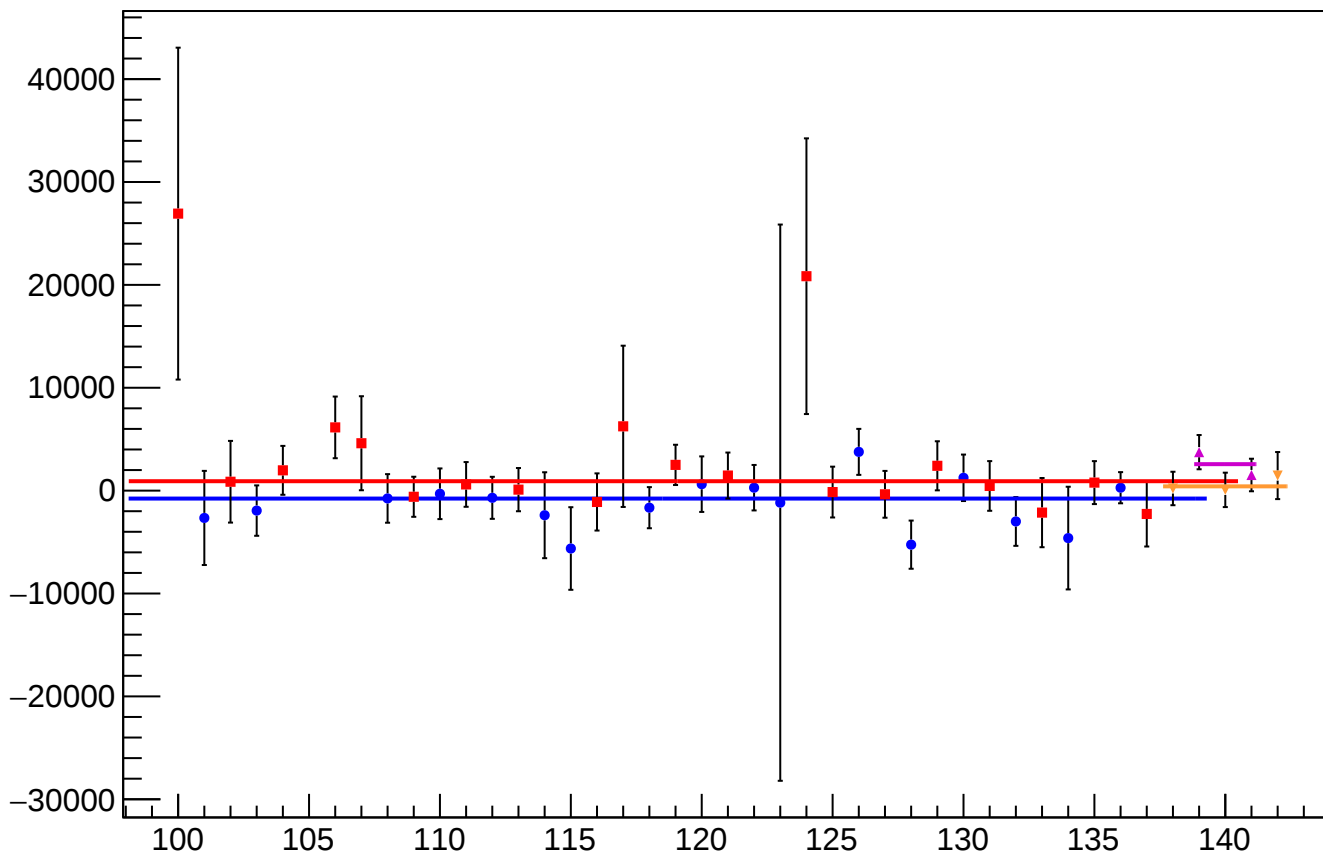
Right Out: 3314.183 $\pm$ 0.967 χ^2/NDF : 1925484.9/19

Left In: 5404.659 $\pm$ 3.066 χ^2/NDF : 17185.0/1

3700.139 $\pm$ 0.958 χ^2/NDF : 2153730.1/19

3503.224 $\pm$ 0.922 χ^2/NDF : 2365500.8/21

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 415.520+/-1038.706 χ^2/NDF : 0.3/2

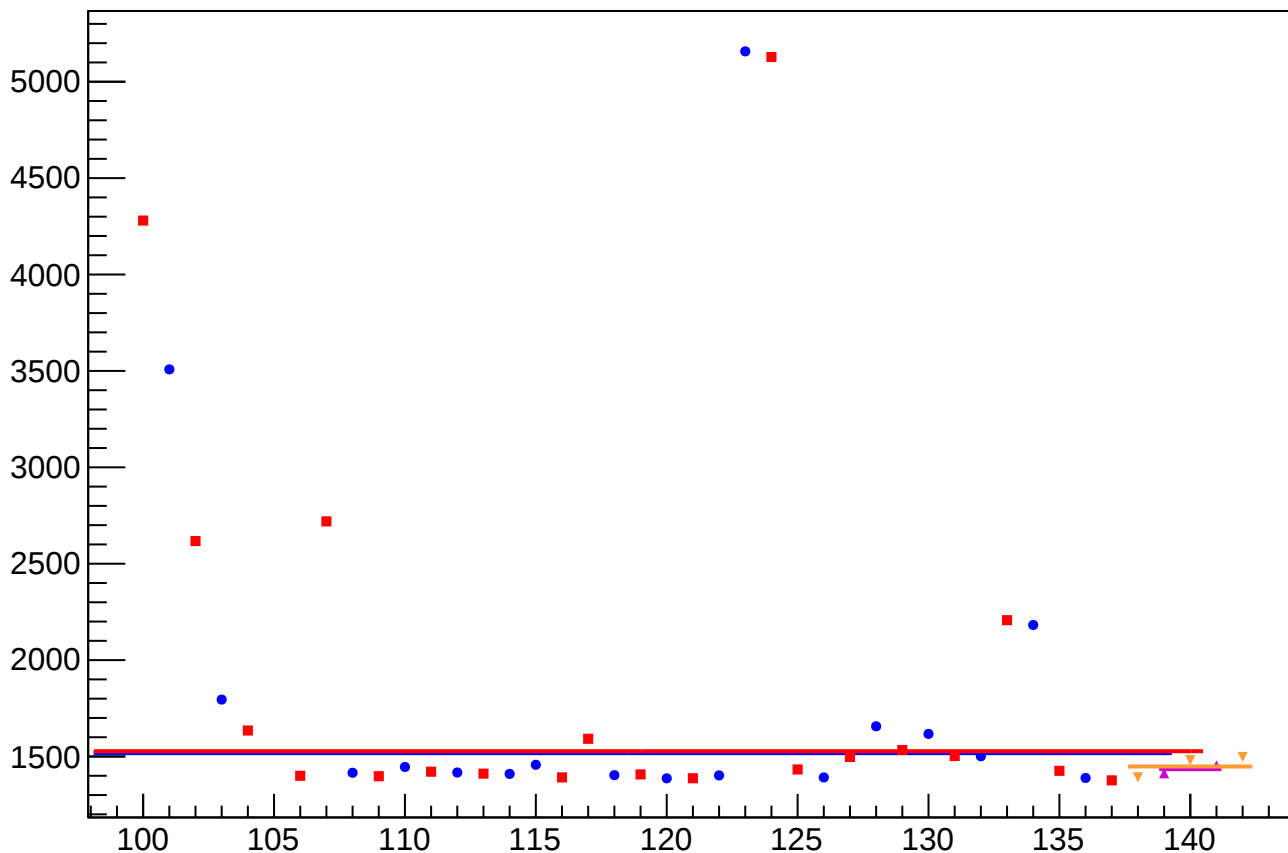
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 2573.592+/-1146.563 χ^2/NDF : 0.9/1

-471.522+/-521.940 χ^2/NDF : 14.5/19

1266.058+/-526.964 χ^2/NDF : 16.5/21

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1448.290+/-0.734 χ^2/NDF : 4086.4/2

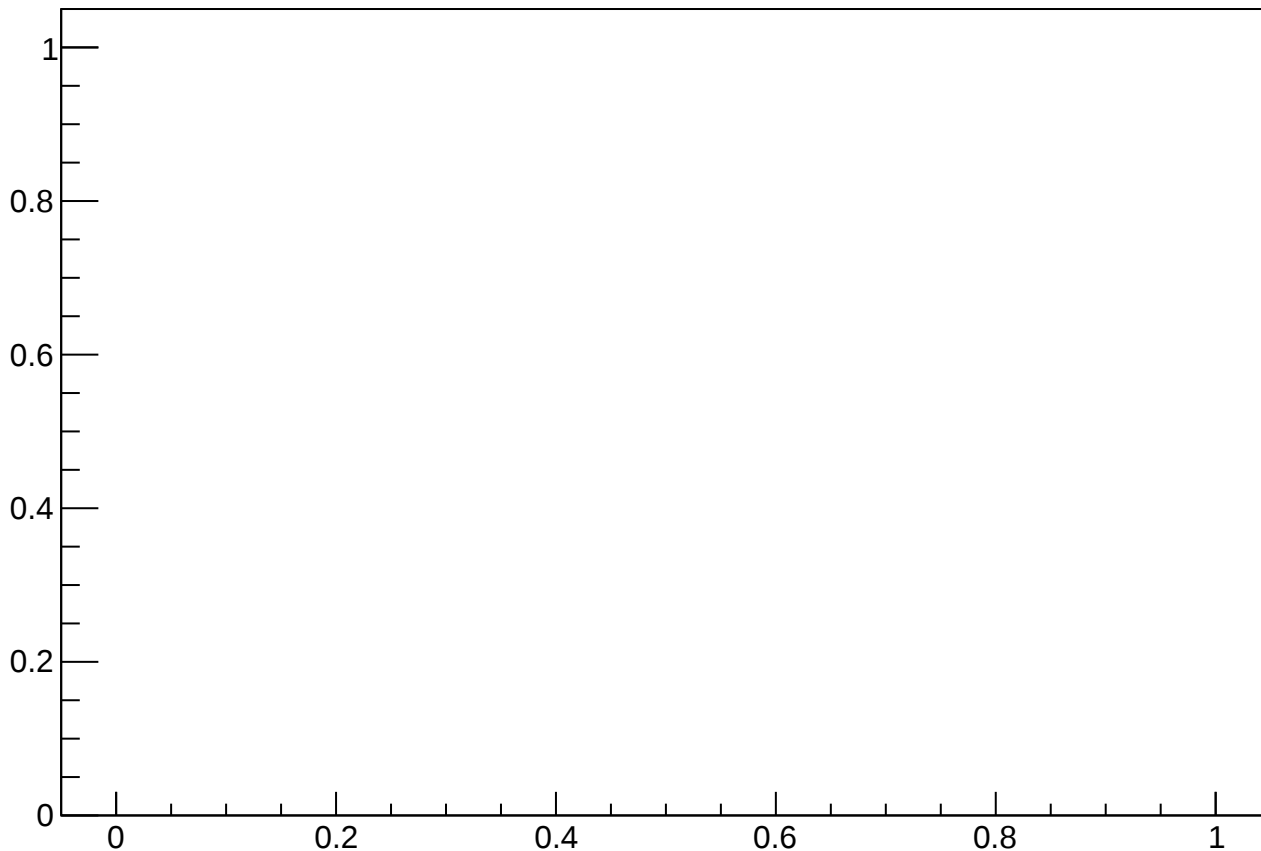
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1434.301+/-0.811 χ^2/NDF : 623.2/1

1499.901+/-0.369 χ^2/NDF : 547354.7/19

1507.717+/-0.373 χ^2/NDF : 642839.9/21

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

0.000+/-0.000 χ^2 /NDF: 0.0/0

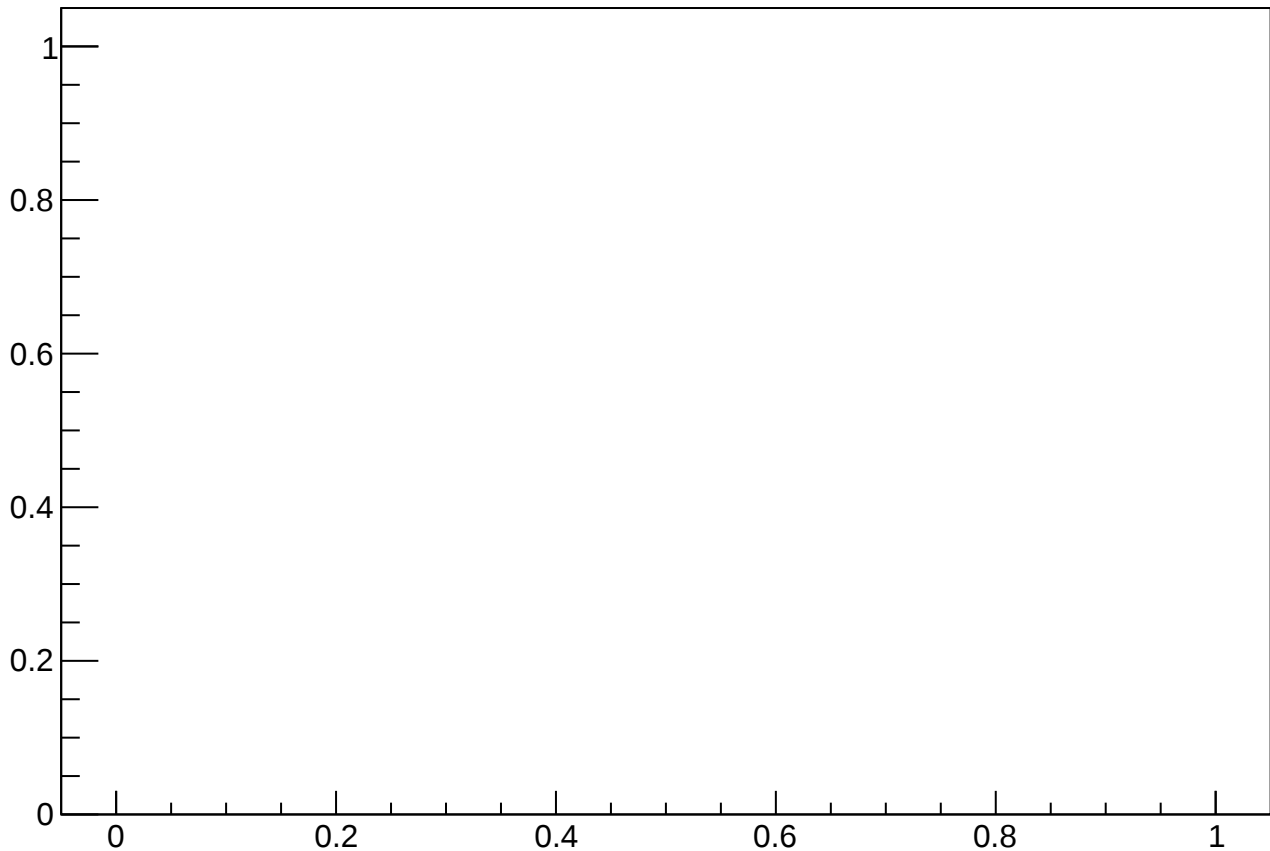
Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

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

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

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



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

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

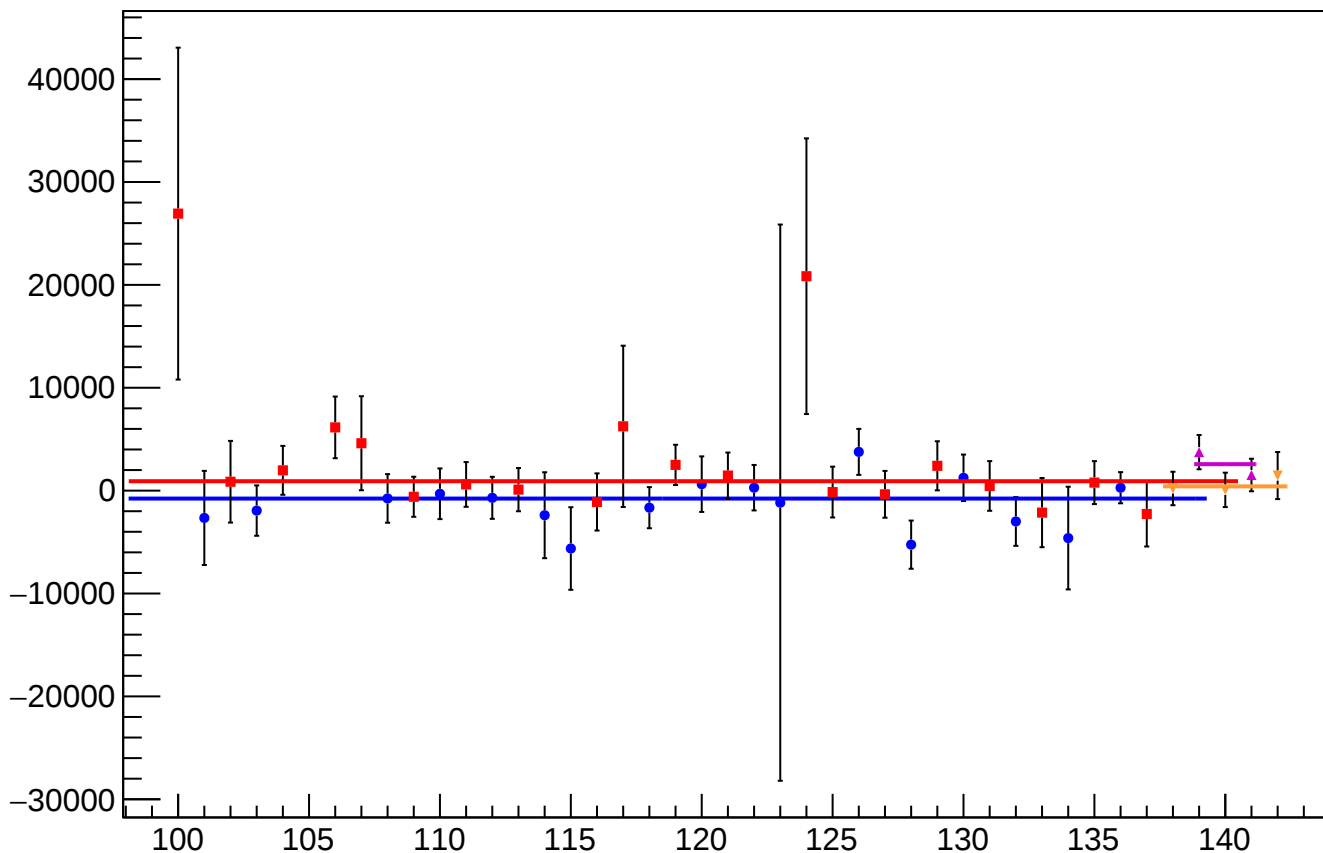
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 415.520+/-1038.706 χ^2/NDF : 0.3/2

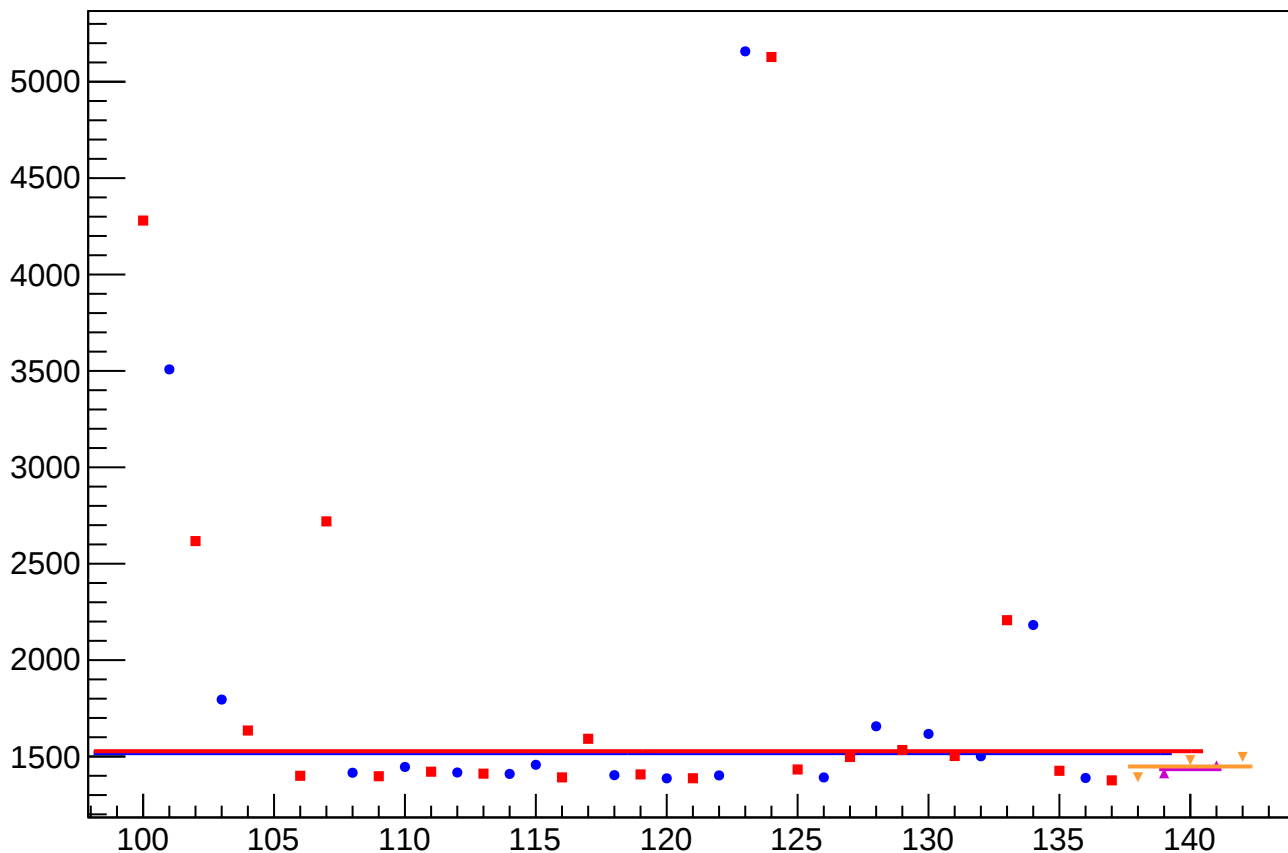
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 2573.592+/-1146.563 χ^2/NDF : 0.9/1

-471.522+/-521.940 χ^2/NDF : 14.5/19

1266.058+/-526.964 χ^2/NDF : 16.5/21

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1448.290+/-0.734 χ^2/NDF :4086.4/2

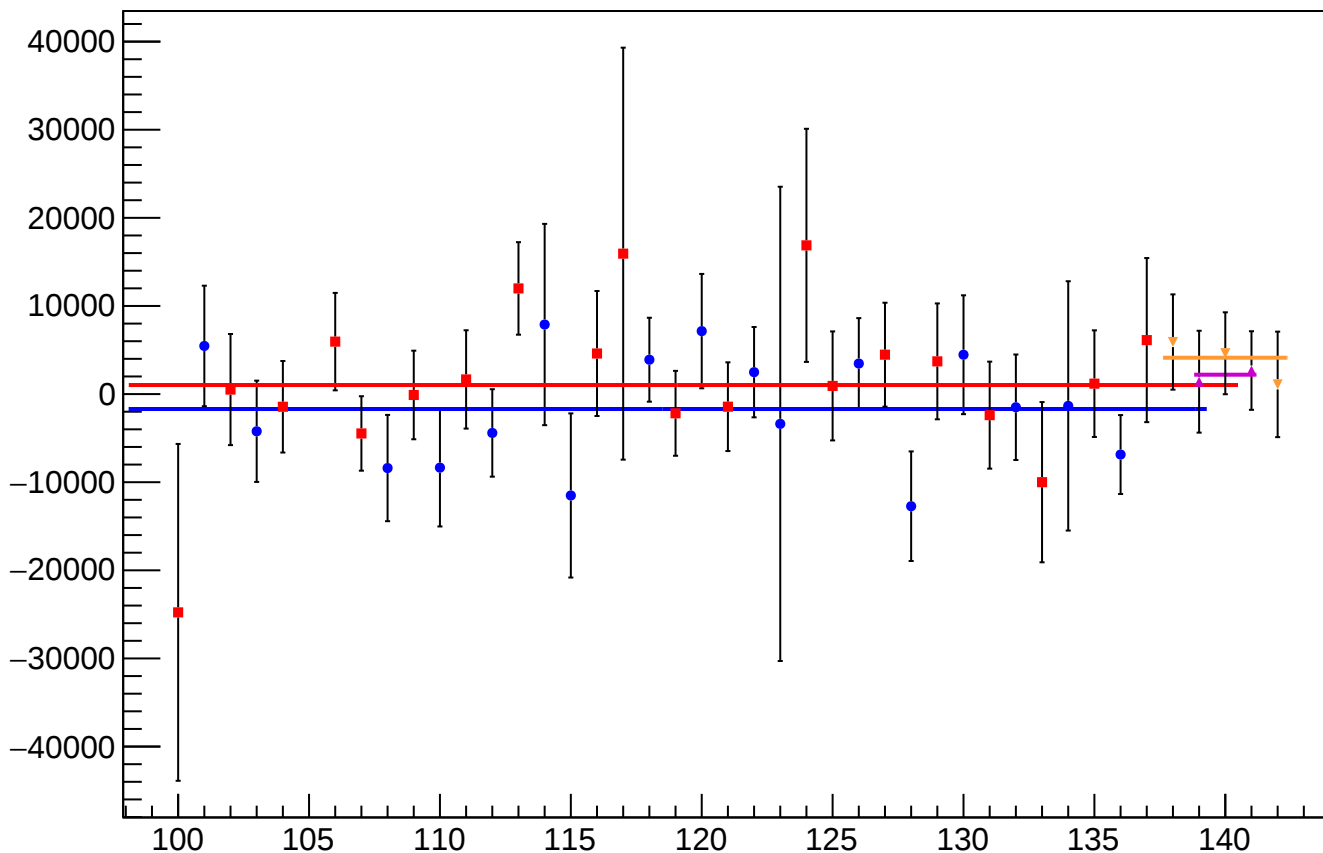
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1434.301+/-0.811 χ^2/NDF :623.2/1

1499.901+/-0.369 χ^2/NDF : 547354.7/19

1507.717+/-0.373 χ^2/NDF : 642839.9/21

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 4126.379+/-3037.328 χ^2/NDF : 0.4/2

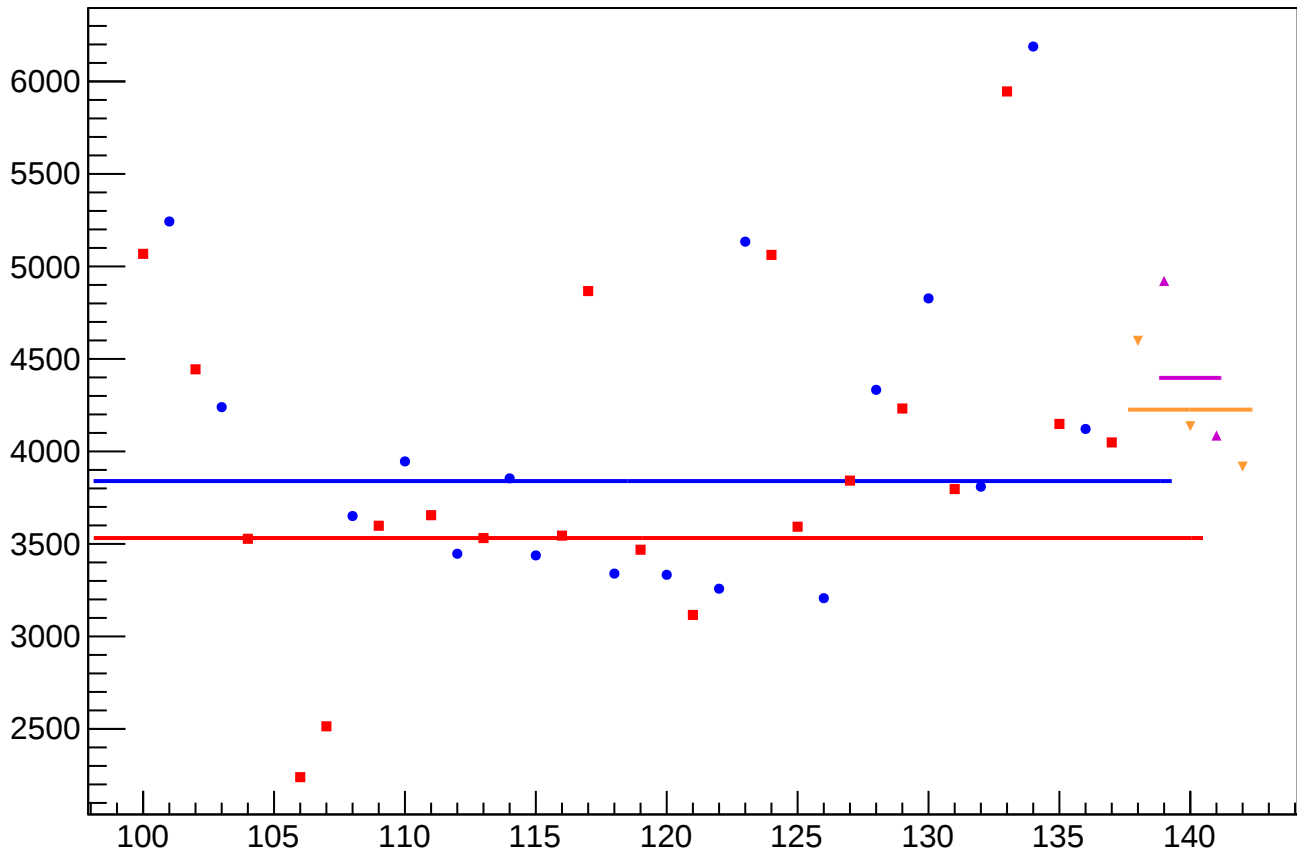
Right Out: 1029.768+/-1376.481 χ^2/NDF : 14.3/19

Left In: 2200.024+/-3531.036 χ^2/NDF : 0.0/1

-535.829+/-1354.231 χ^2/NDF : 19.2/19

1184.144+/-1282.482 χ^2/NDF : 14.5/21

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4225.887+/-2.148 χ^2/NDF :15506.6/2

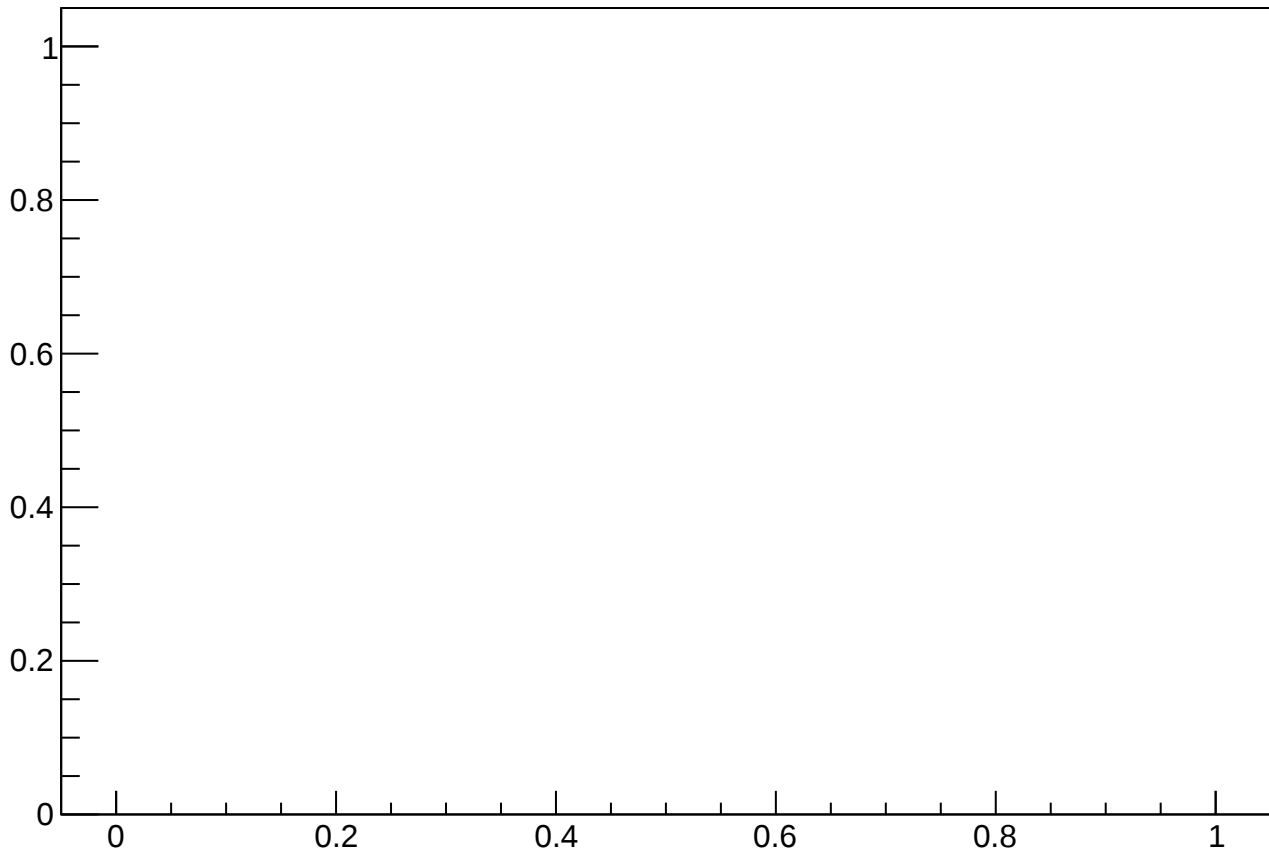
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4397.493+/-2.497 χ^2/NDF :26202.3/1

3916.509+/-0.958 χ^2/NDF : 367364.4/19

3644.277+/-0.900 χ^2/NDF : 692118.4/21

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

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

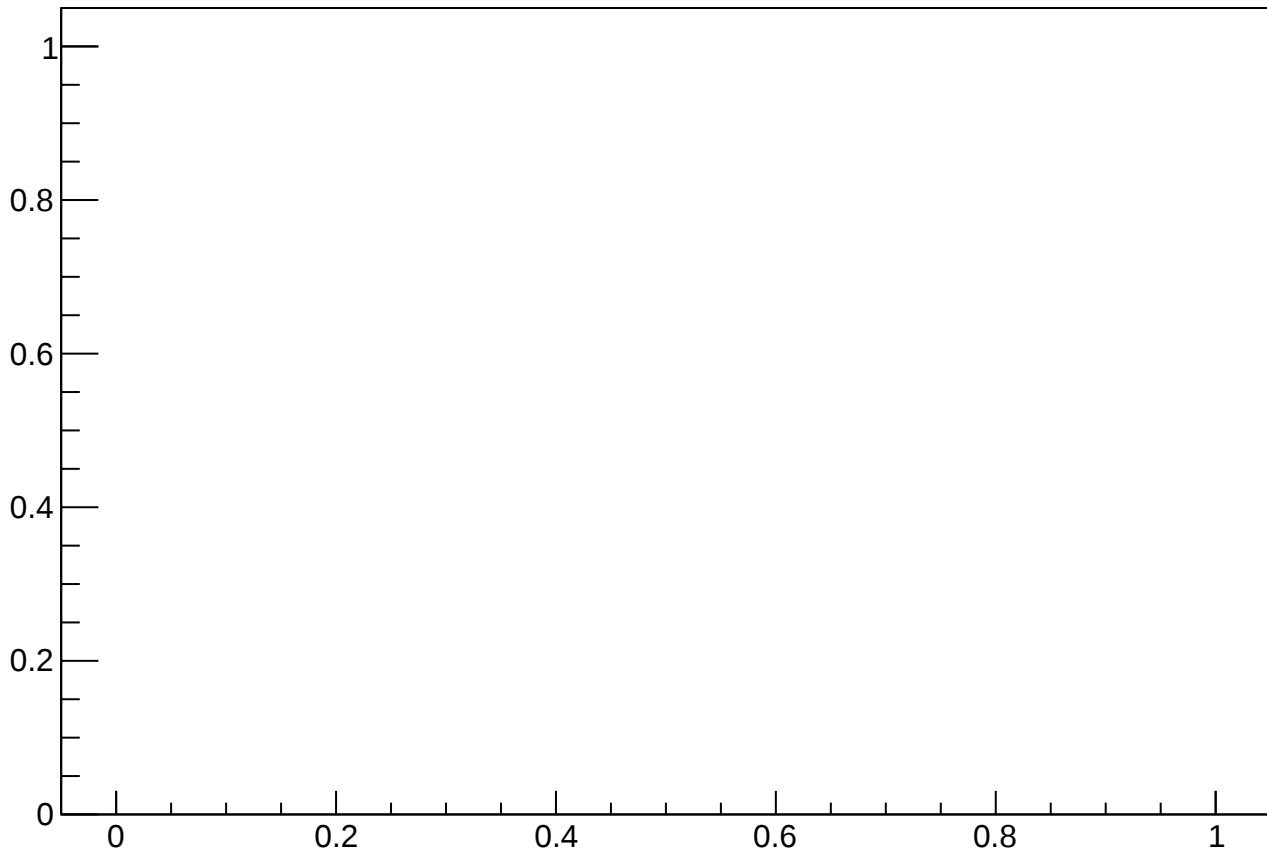
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



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

0.000+/-0.000 χ^2/NDF : 0.0/0

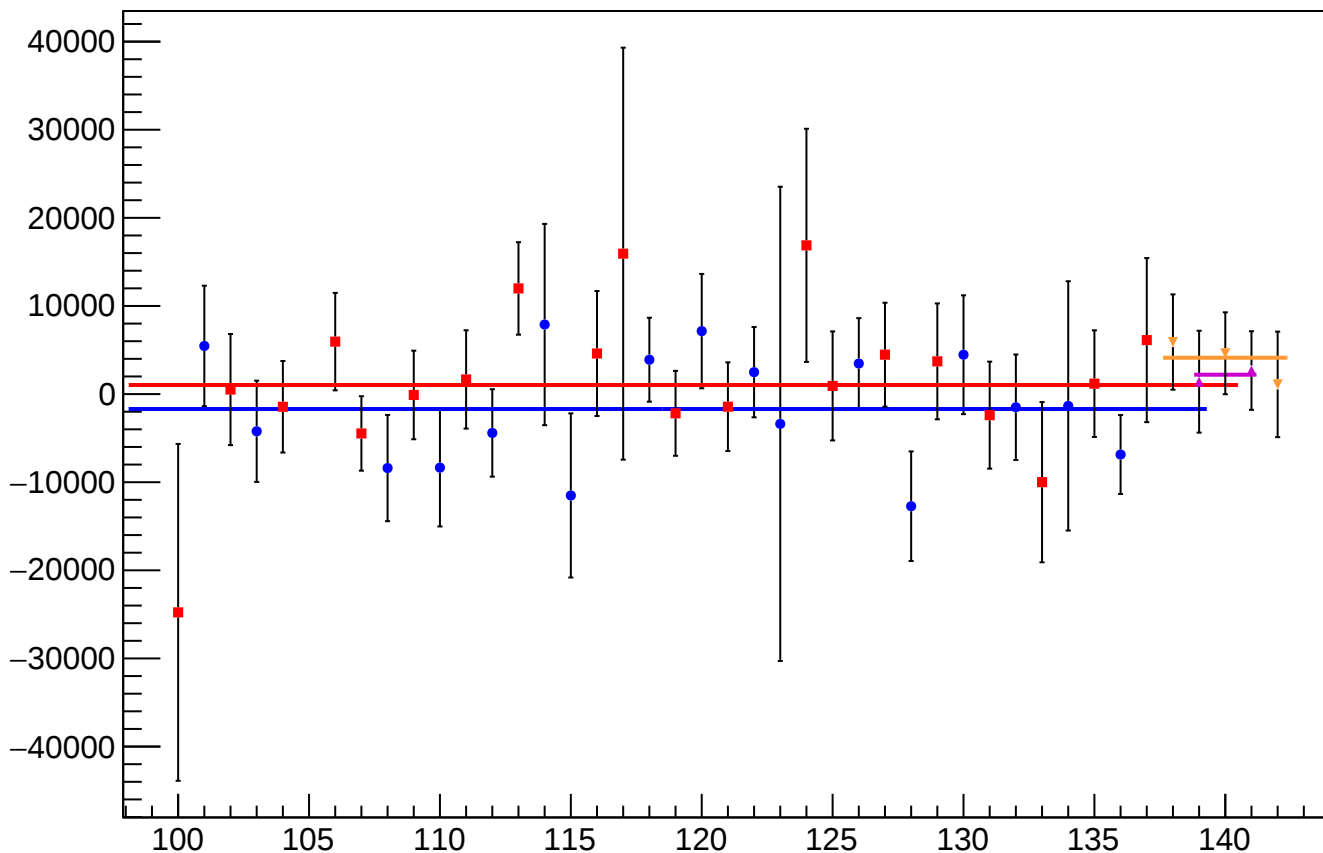
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

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

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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 4126.379+/-3037.328 χ^2/NDF : 0.4/2

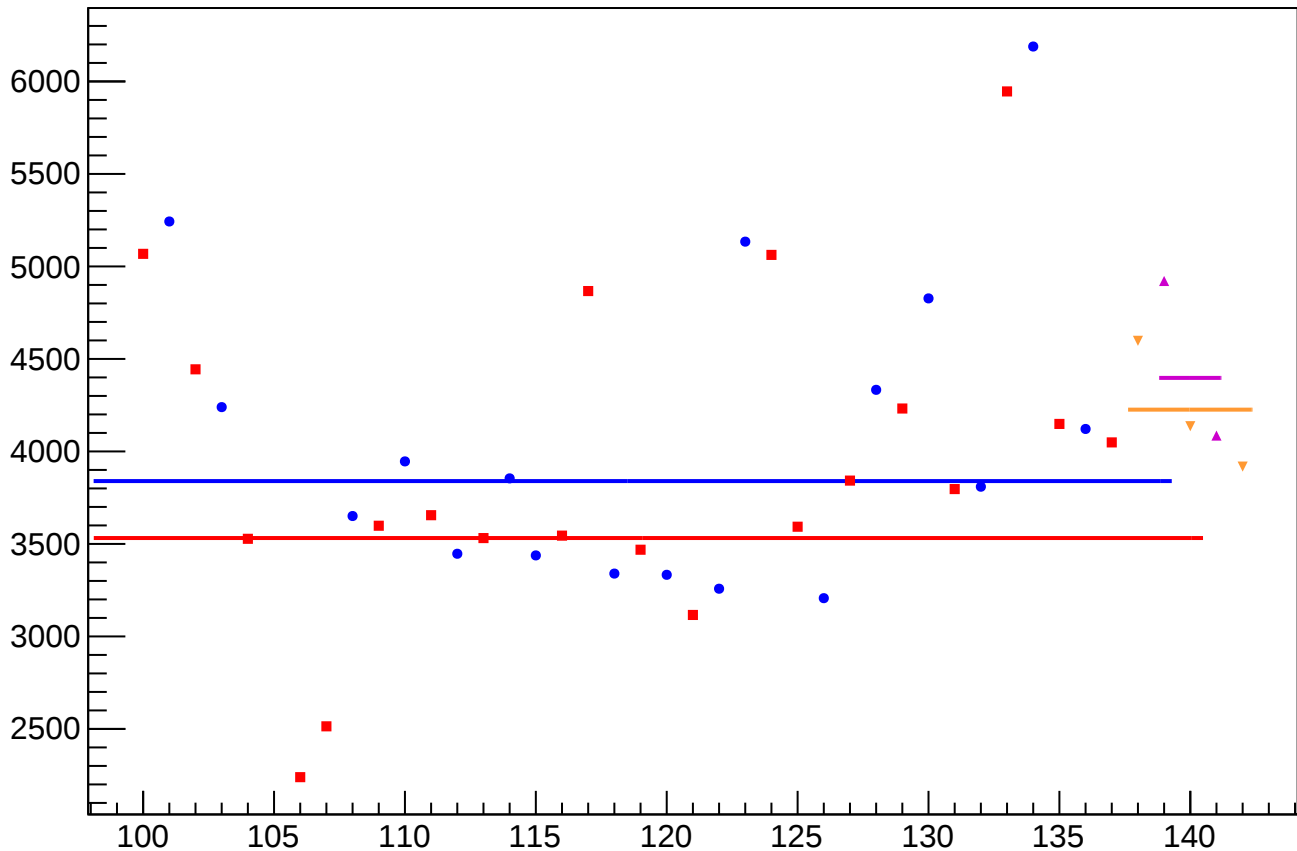
Right Out: 1029.768+/-1376.481 χ^2/NDF : 14.3/19

Left In: 2200.024+/-3531.036 χ^2/NDF : 0.0/1

-535.829+/-1354.231 χ^2/NDF : 19.2/19

1184.144+/-1282.482 χ^2/NDF : 14.5/21

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4225.887+/-2.148 χ^2/NDF :15506.6/2

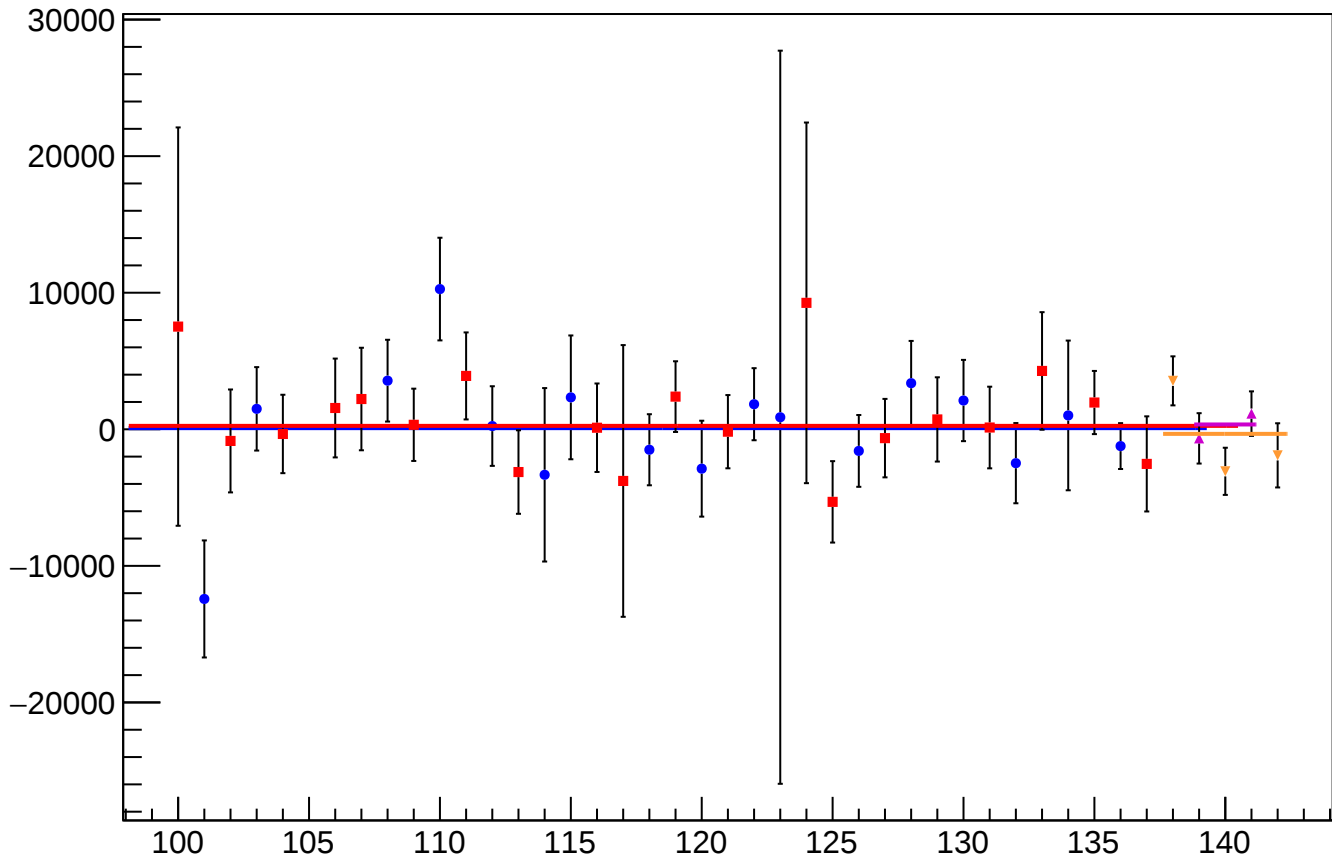
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4397.493+/-2.497 χ^2/NDF :26202.3/1

3916.509+/-0.958 χ^2/NDF : 367364.4/19

3644.277+/-0.900 χ^2/NDF : 692118.4/21

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -335.111+/-1099.601 χ^2/NDF : 7.6/2

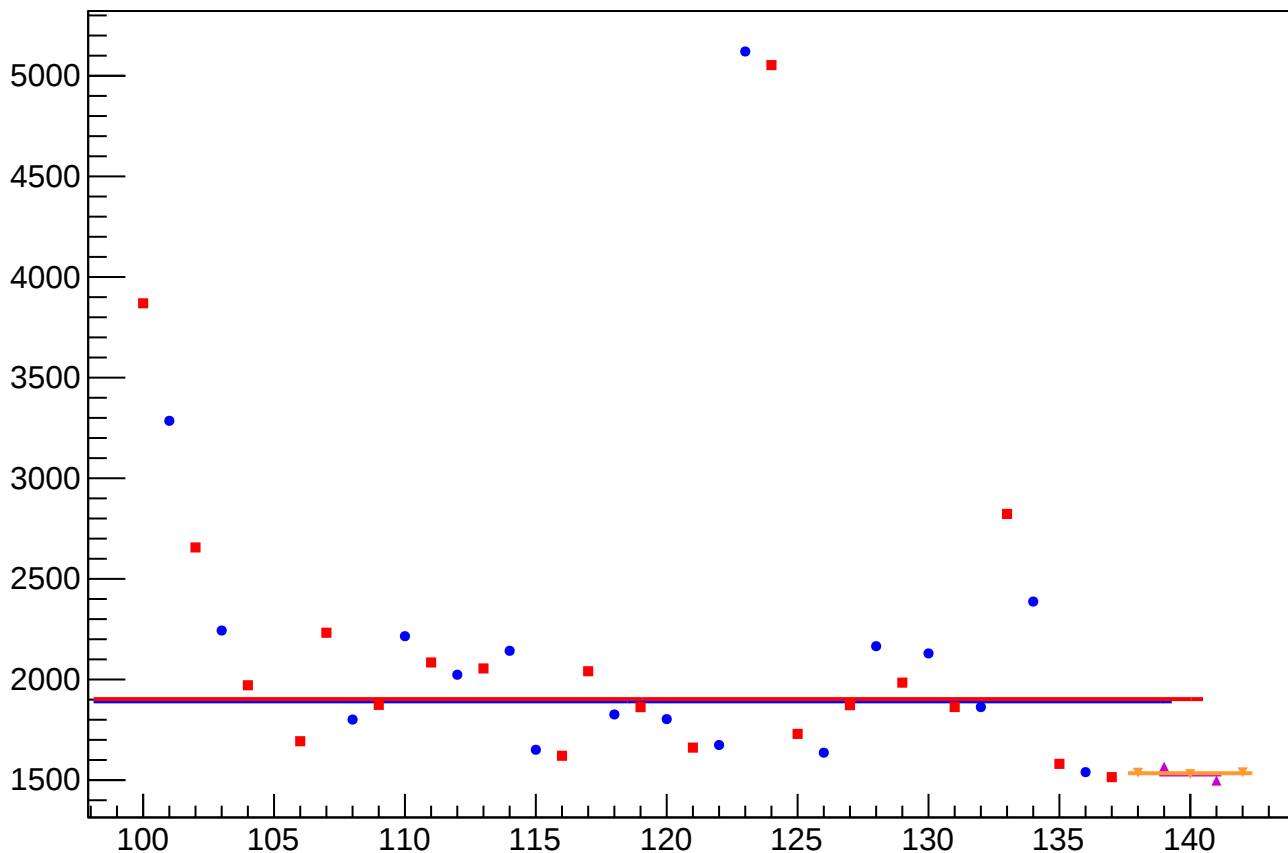
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: 352.974+/-1221.279 χ^2/NDF : 0.5/1

-49.299+/-619.909 χ^2/NDF : 30.6/19

277.769+/-627.937 χ^2/NDF : 10.9/21

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1534.217 $\pm$ 0.778 χ^2 /NDF: 23.7/2

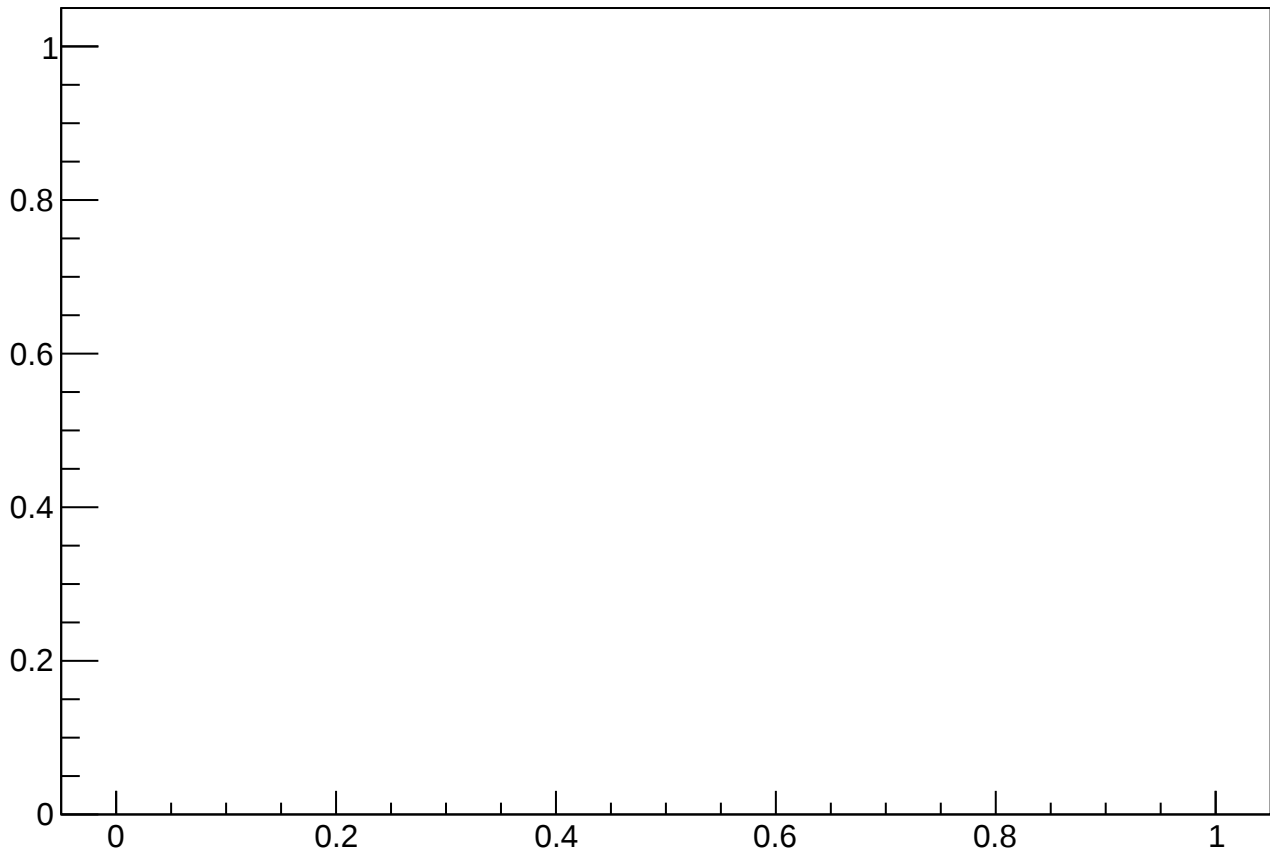
Right Out: 1902.551 $\pm$ 0.518 χ^2 /NDF: 461077.0/19

Left In: 1527.957 $\pm$ 0.864 χ^2 /NDF: 1566.9/1

1777.943 $\pm$ 0.438 χ^2 /NDF: 608554.8/19

1803.524 $\pm$ 0.444 χ^2 /NDF: 601060.7/21

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



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

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

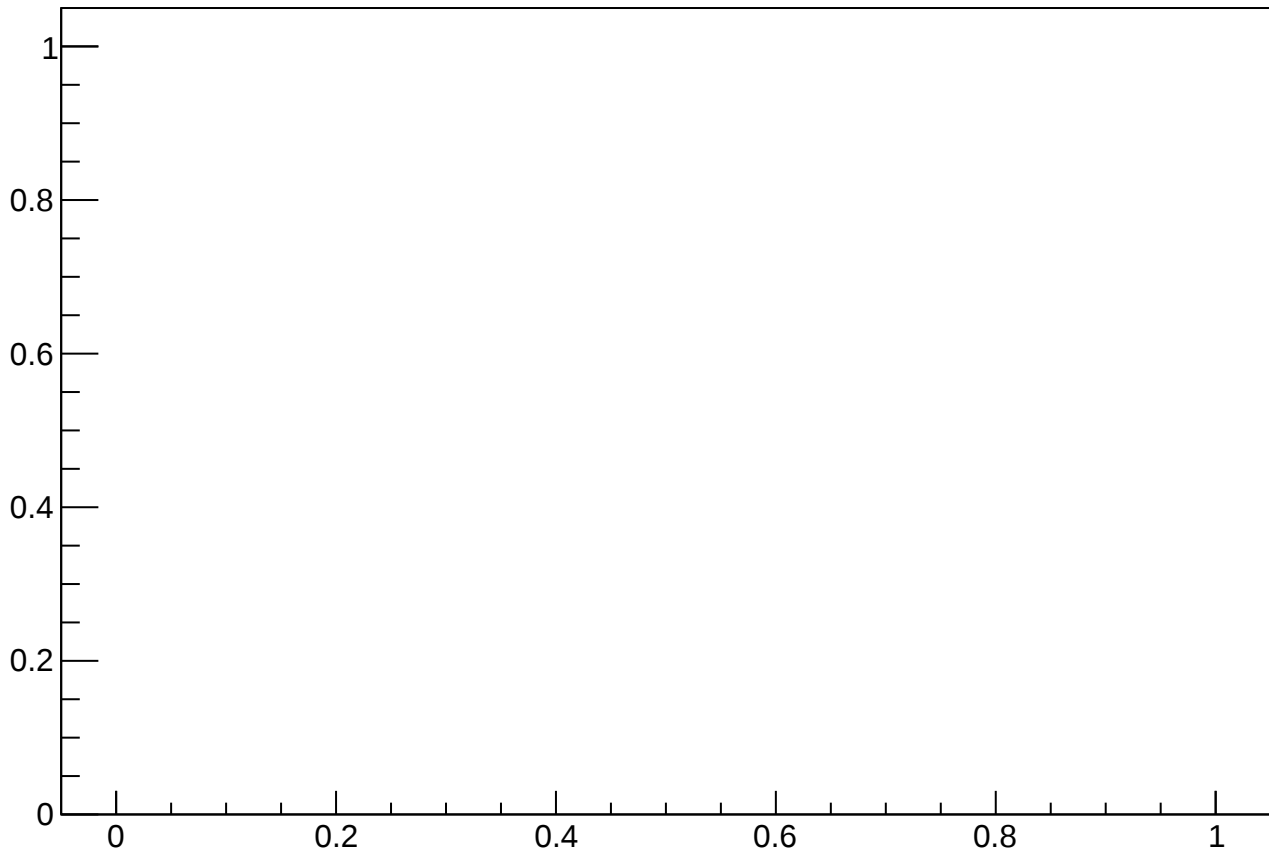
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



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

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

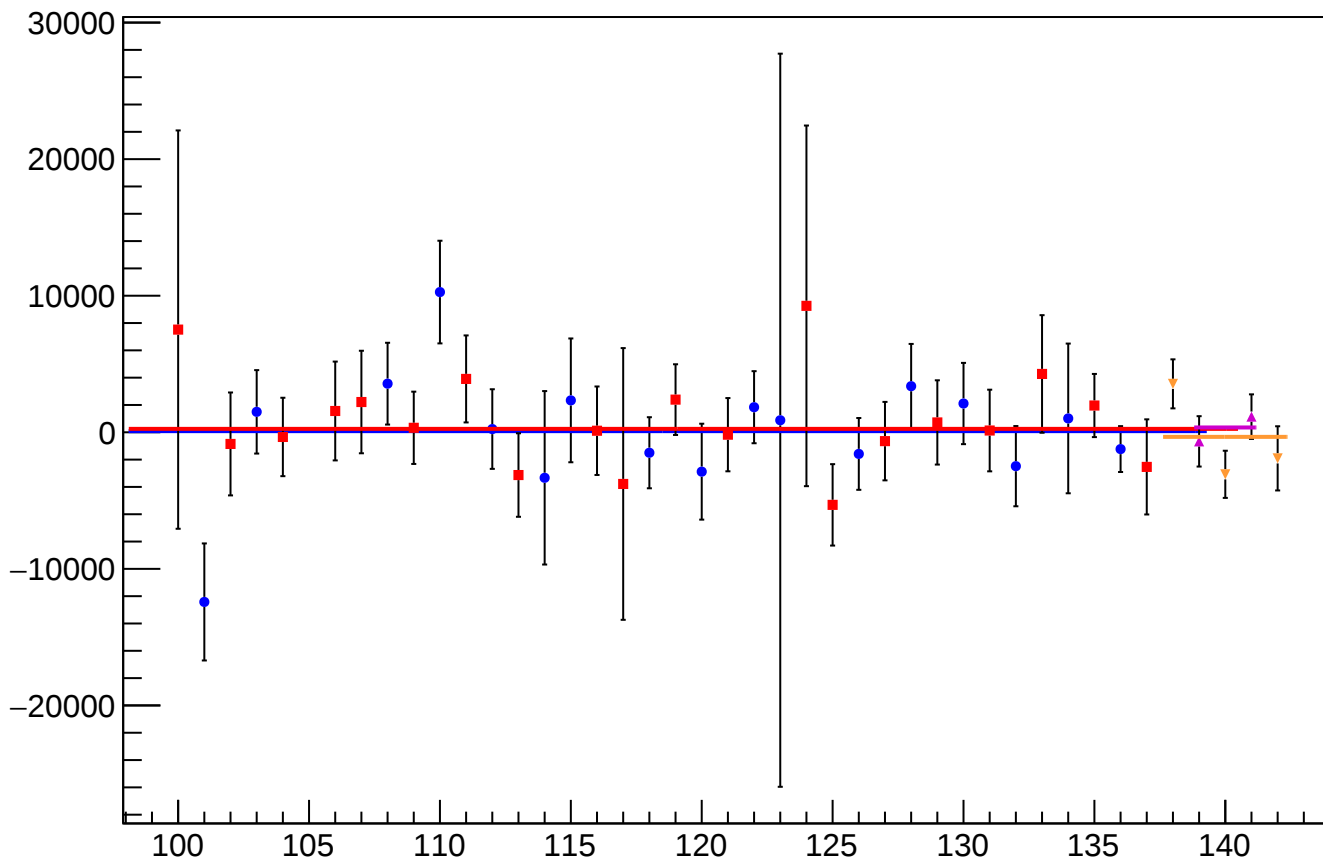
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -335.111+/-1099.601 χ^2/NDF : 7.6/2

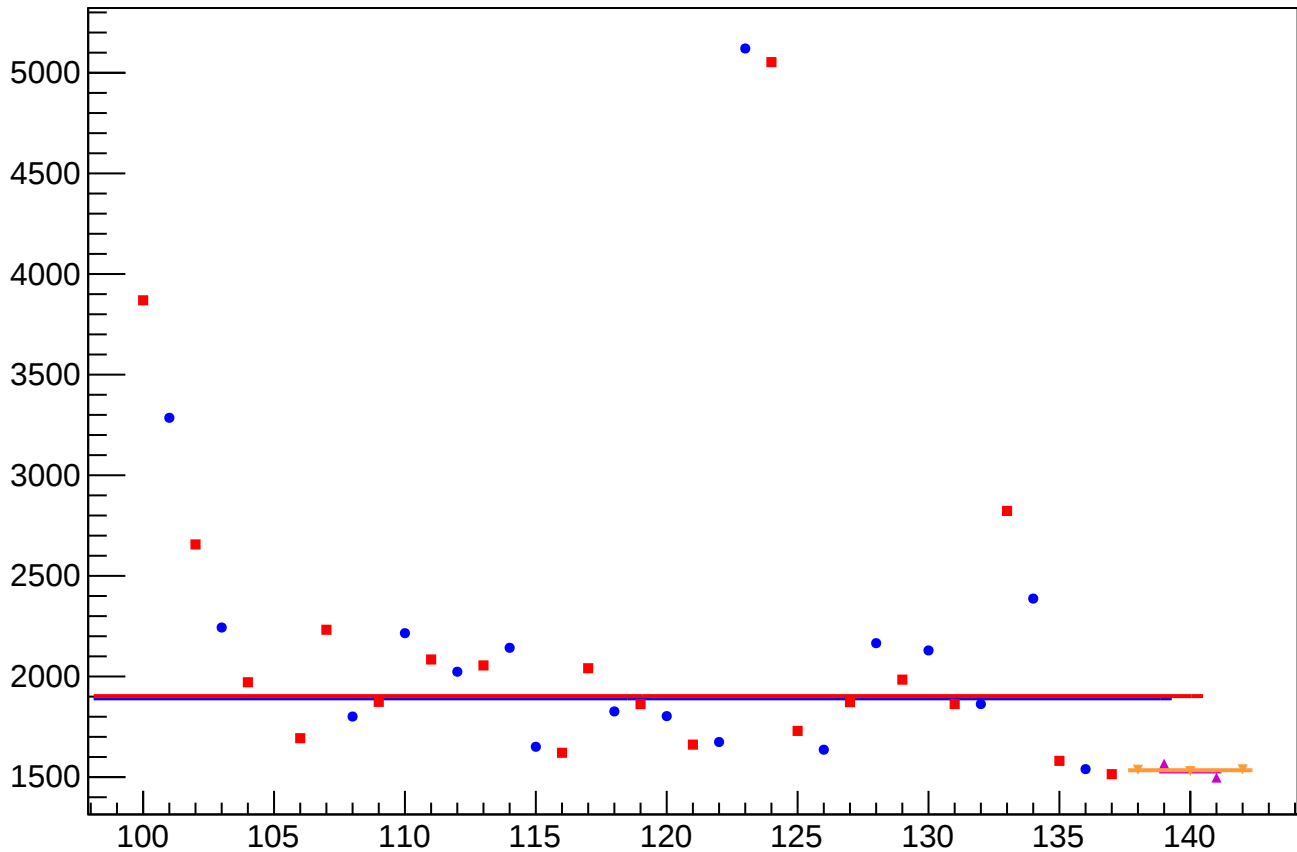
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: 352.974+/-1221.279 χ^2/NDF : 0.5/1

-49.299+/-619.909 χ^2/NDF : 30.6/19

277.769+/-627.937 χ^2/NDF : 10.9/21

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1534.217+/-0.778 χ^2/NDF : 23.7/2

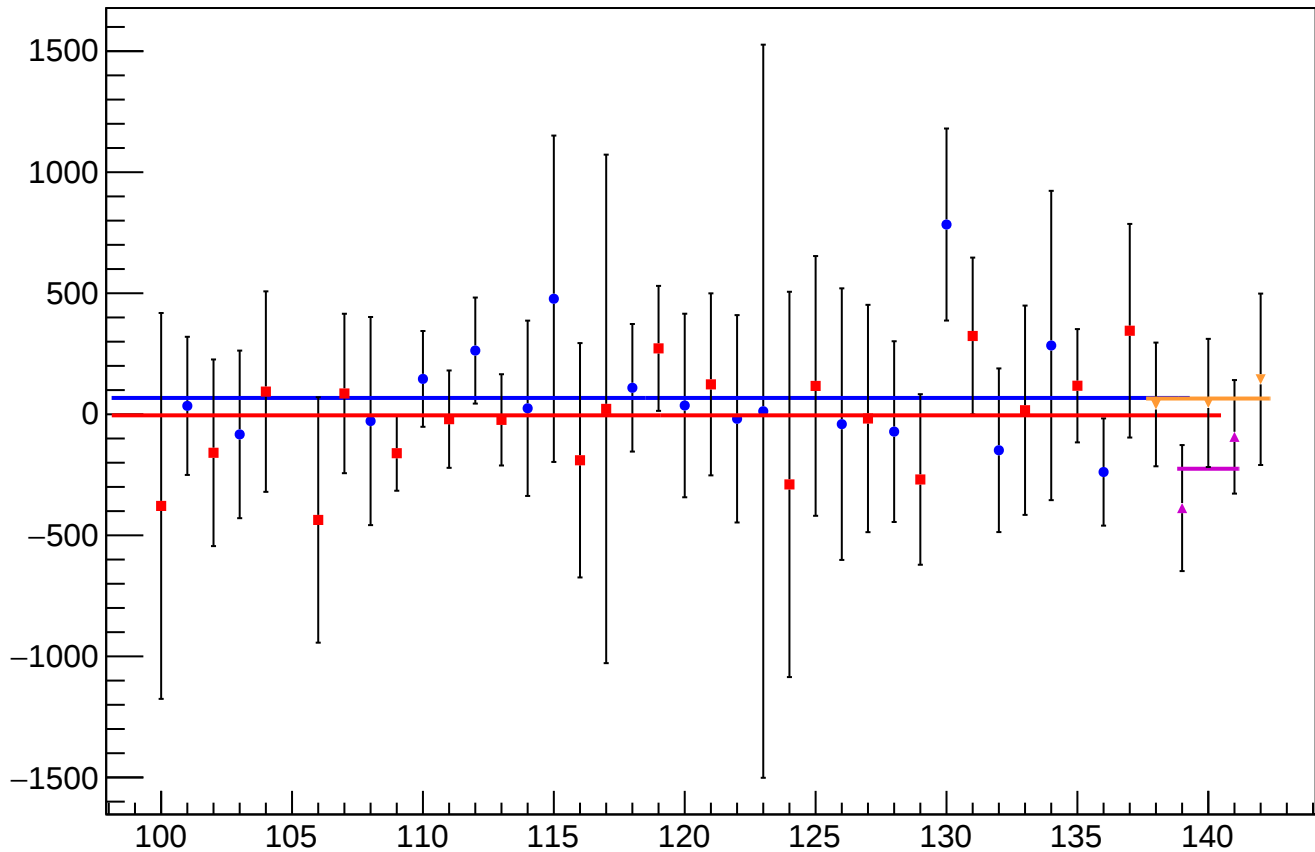
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1527.957+/-0.864 χ^2/NDF : 1566.9/1

1777.943+/-0.438 χ^2/NDF : 608554.8/19

1803.524+/-0.444 χ^2/NDF : 601060.7/21

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 65.109 $\pm$ 163.151 χ^2 /NDF: 0.1/2

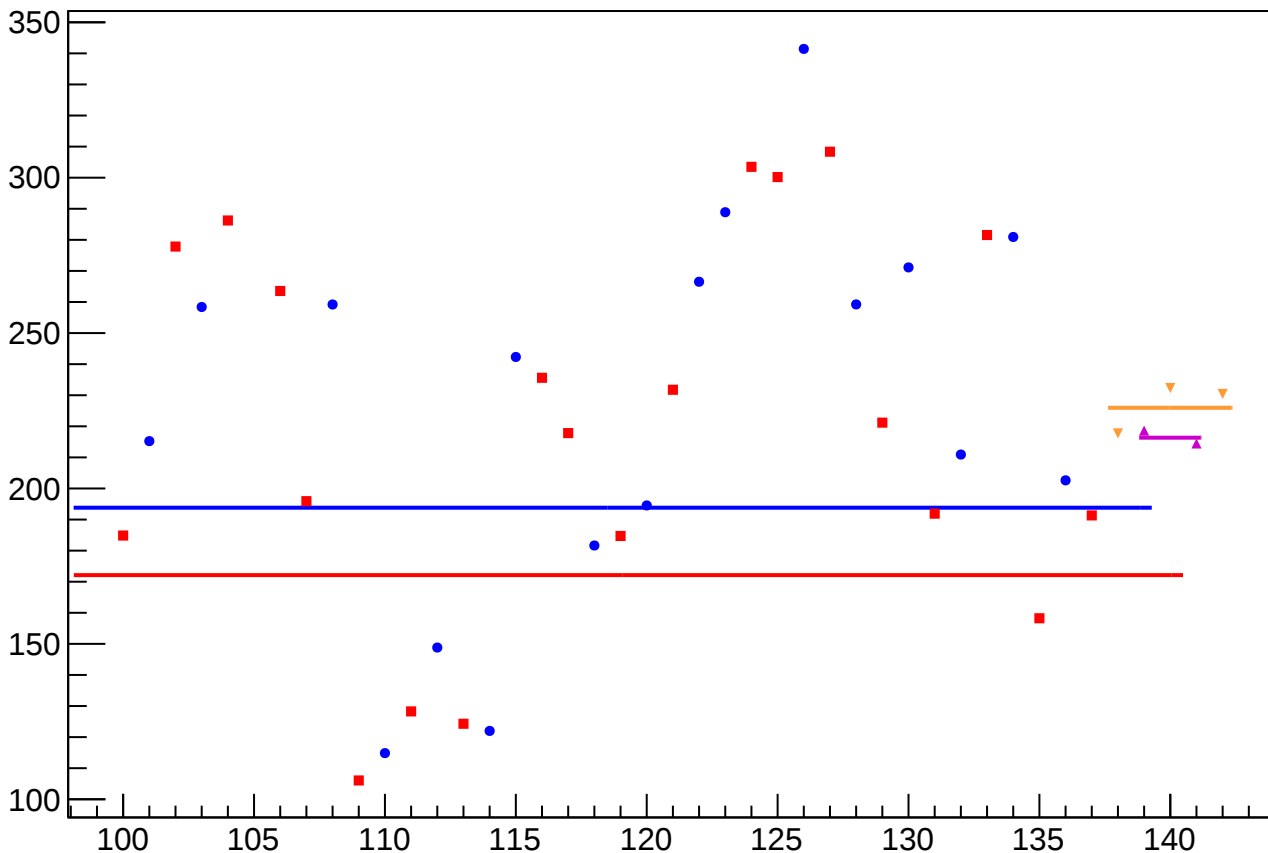
Right Out: -4.305 $\pm$ 69.854 χ^2 /NDF: 6.4/19

Left In: -224.951 $\pm$ 174.232 χ^2 /NDF: 0.7/1

67.074 $\pm$ 71.545 χ^2 /NDF: 7.6/19

-34.860 $\pm$ 64.837 χ^2 /NDF: 8.4/21

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815 $\pm$ 0.056 χ^2/NDF : 1010325.5/16

Left Out: 225.968 $\pm$ 0.115 χ^2/NDF :3549.1/2

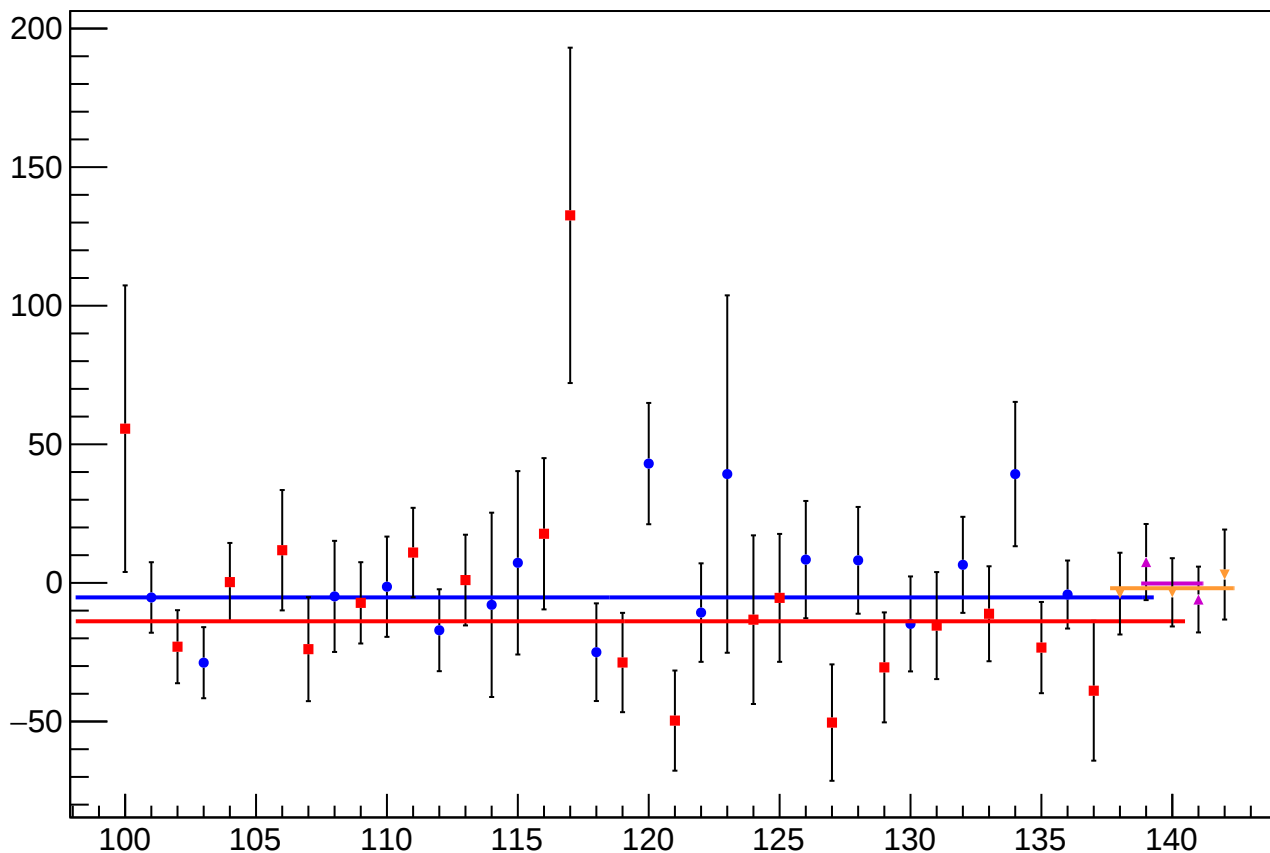
Right Out: 172.123 $\pm$ 0.049 χ^2/NDF : 1580879.9/19

Left In: 216.338 $\pm$ 0.123 χ^2/NDF :278.5/1

199.998 $\pm$ 0.051 χ^2/NDF : 1076614.1/19

178.246 $\pm$ 0.046 χ^2/NDF : 1692122.8/21

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231+/-4.356 χ^2/NDF : 15.5/16

Left Out: -1.920+/-8.169 χ^2/NDF : 0.1/2

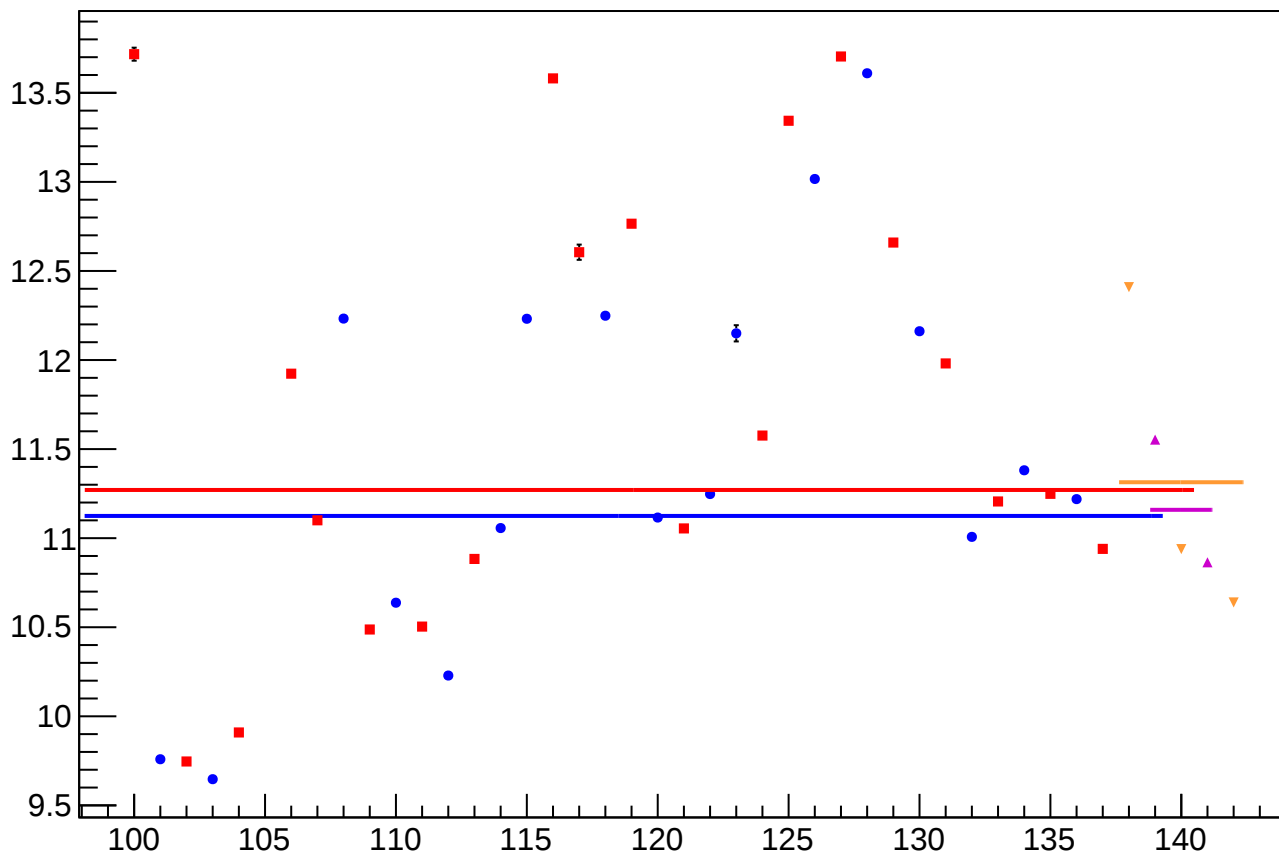
Right Out: -13.851+/-4.255 χ^2/NDF : 25.4/19

Left In: -0.216+/-8.980 χ^2/NDF : 0.6/1

-4.498+/-3.844 χ^2/NDF : 15.8/19

-11.352+/-3.845 χ^2/NDF : 27.8/21

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 $\pm$ 0.003 χ^2/NDF : 132520.1/16

Left Out: 11.314 $\pm$ 0.006 χ^2/NDF : 16340.2/2

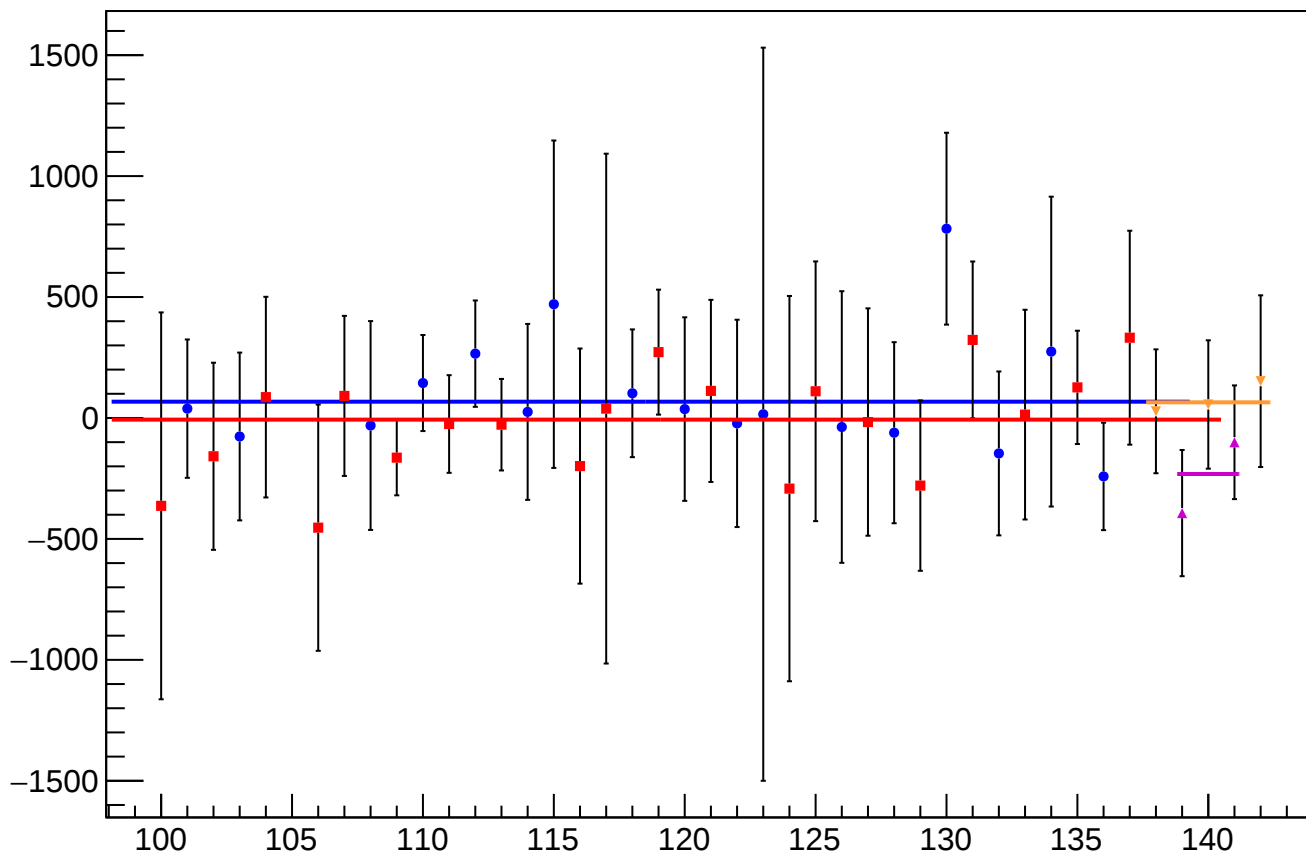
Right Out: 11.271 $\pm$ 0.003 χ^2/NDF : 148711.4/19

Left In: 11.159 $\pm$ 0.006 χ^2/NDF : 2880.0/1

11.167 $\pm$ 0.003 χ^2/NDF : 149695.1/19

11.250 $\pm$ 0.003 χ^2/NDF : 151842.9/21

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 64.746+/-163.539 χ^2/NDF : 0.1/2

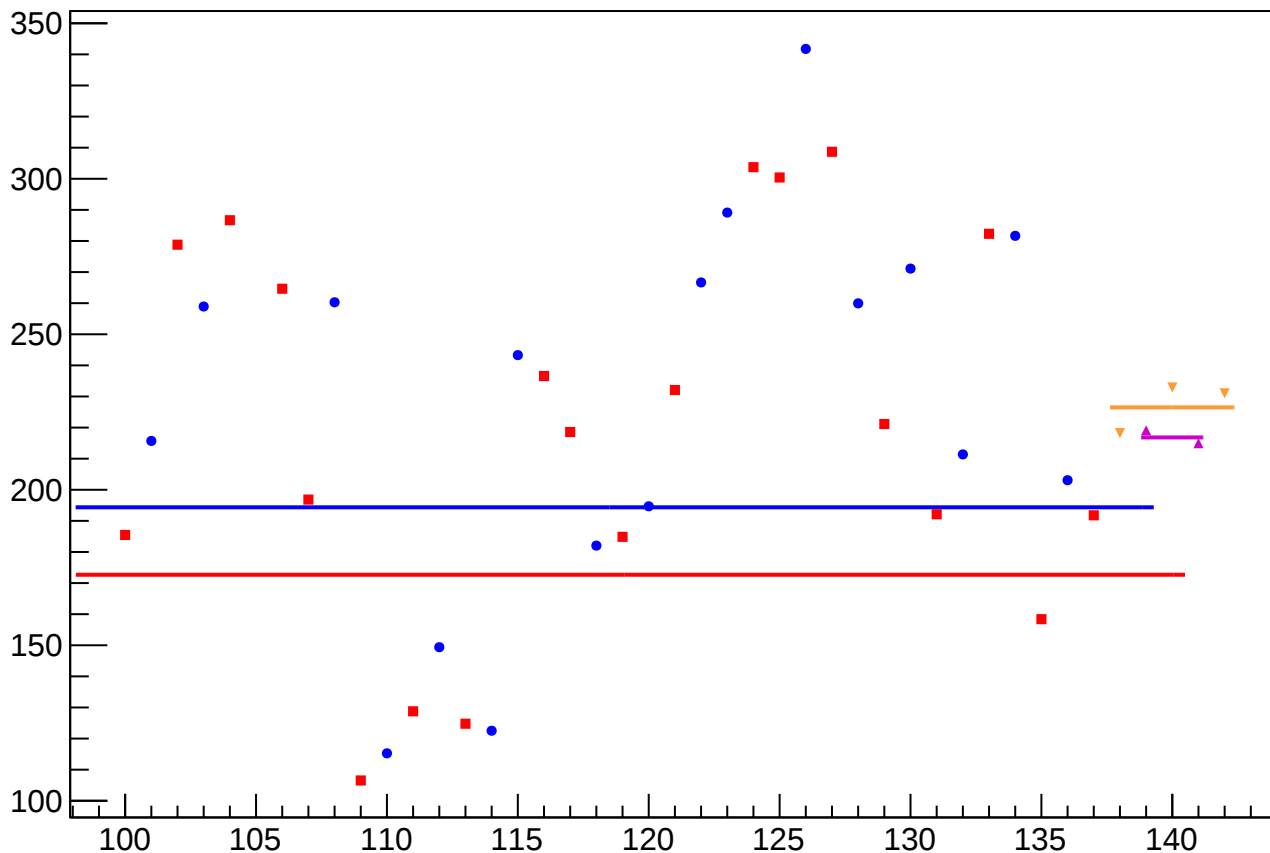
Right Out: -6.837+/-70.057 χ^2/NDF : 6.4/19

Left In: -231.617+/-174.629 χ^2/NDF : 0.7/1

66.812+/-71.730 χ^2/NDF : 7.6/19

-37.998+/-65.020 χ^2/NDF : 8.6/21

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 226.504 $\pm$ 0.116 χ^2 /NDF:3571.0/2

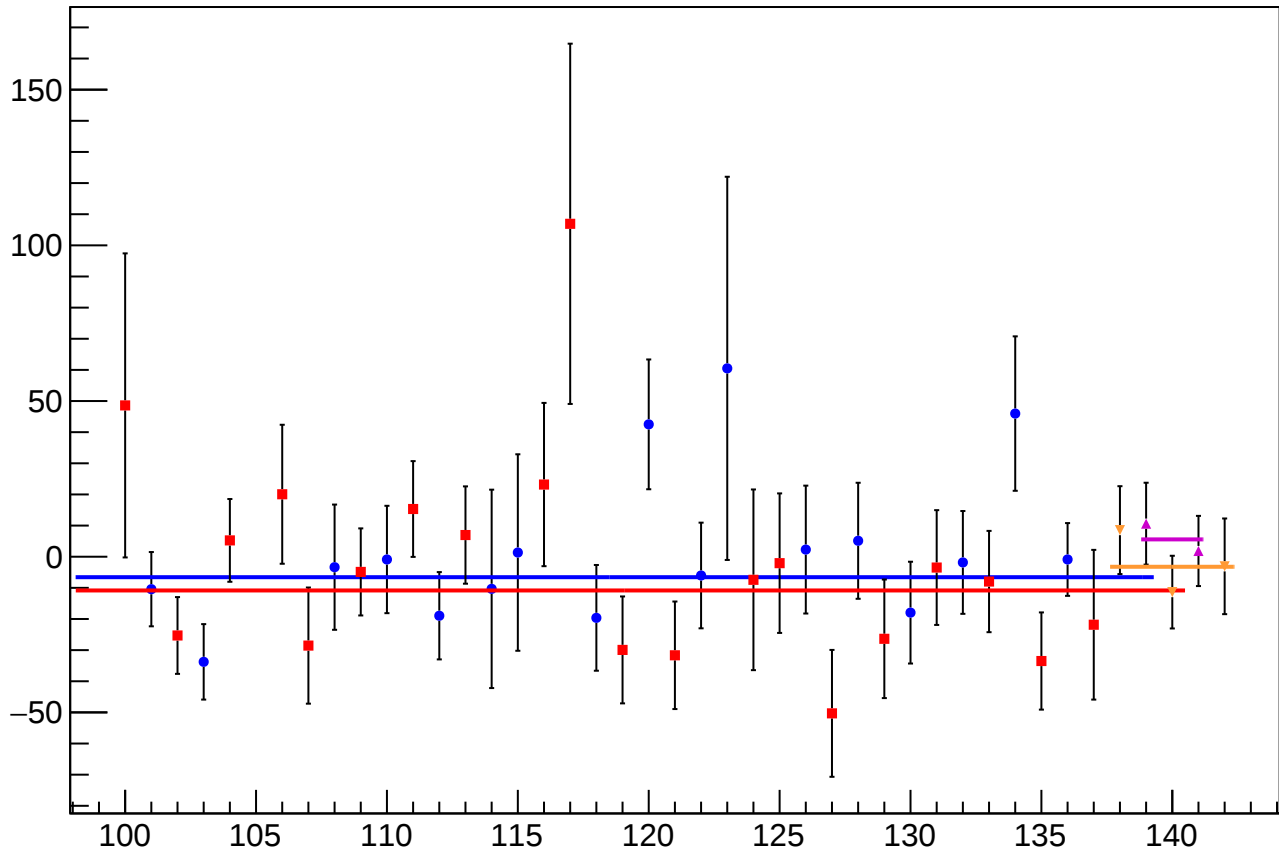
Right Out: 172.675 $\pm$ 0.050 χ^2 /NDF: 1573459.1/19

Left In: 216.831 $\pm$ 0.123 χ^2 /NDF:278.5/1

200.548 $\pm$ 0.051 χ^2 /NDF: 1071187.1/19

178.796 $\pm$ 0.046 χ^2 /NDF: 1683880.7/21

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: -3.230 ± 7.763 $\chi^2/\text{NDF}: 1.2/2$

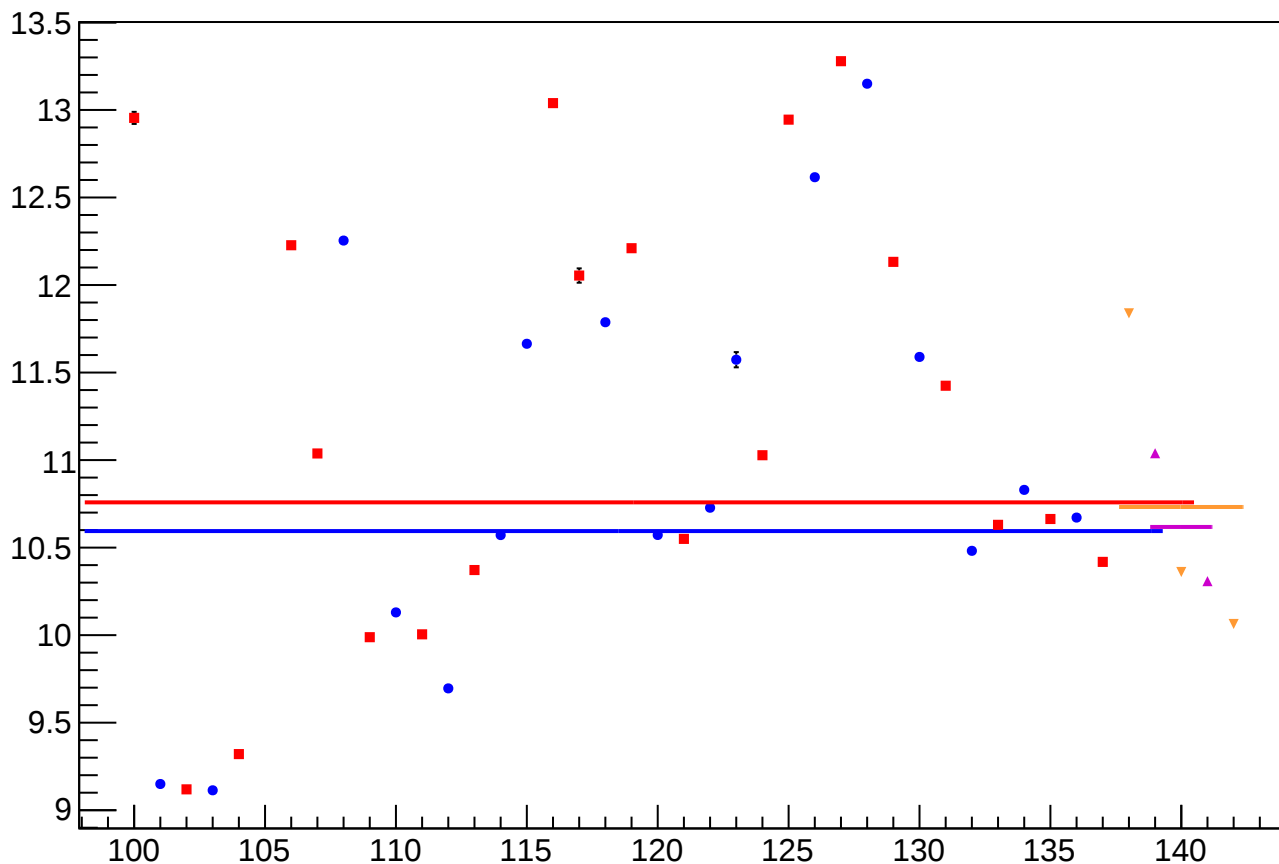
Right Out: -10.838 ± 4.070 $\chi^2/\text{NDF}: 27.1/19$

Left In: 5.563 ± 8.556 $\chi^2/\text{NDF}: 0.3/1$

-5.830 ± 3.665 $\chi^2/\text{NDF}: 20.7/19$

-7.812 ± 3.675 $\chi^2/\text{NDF}: 30.4/21$

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: 10.732 $\pm$ 0.005 χ^2/NDF : 18094.7/2

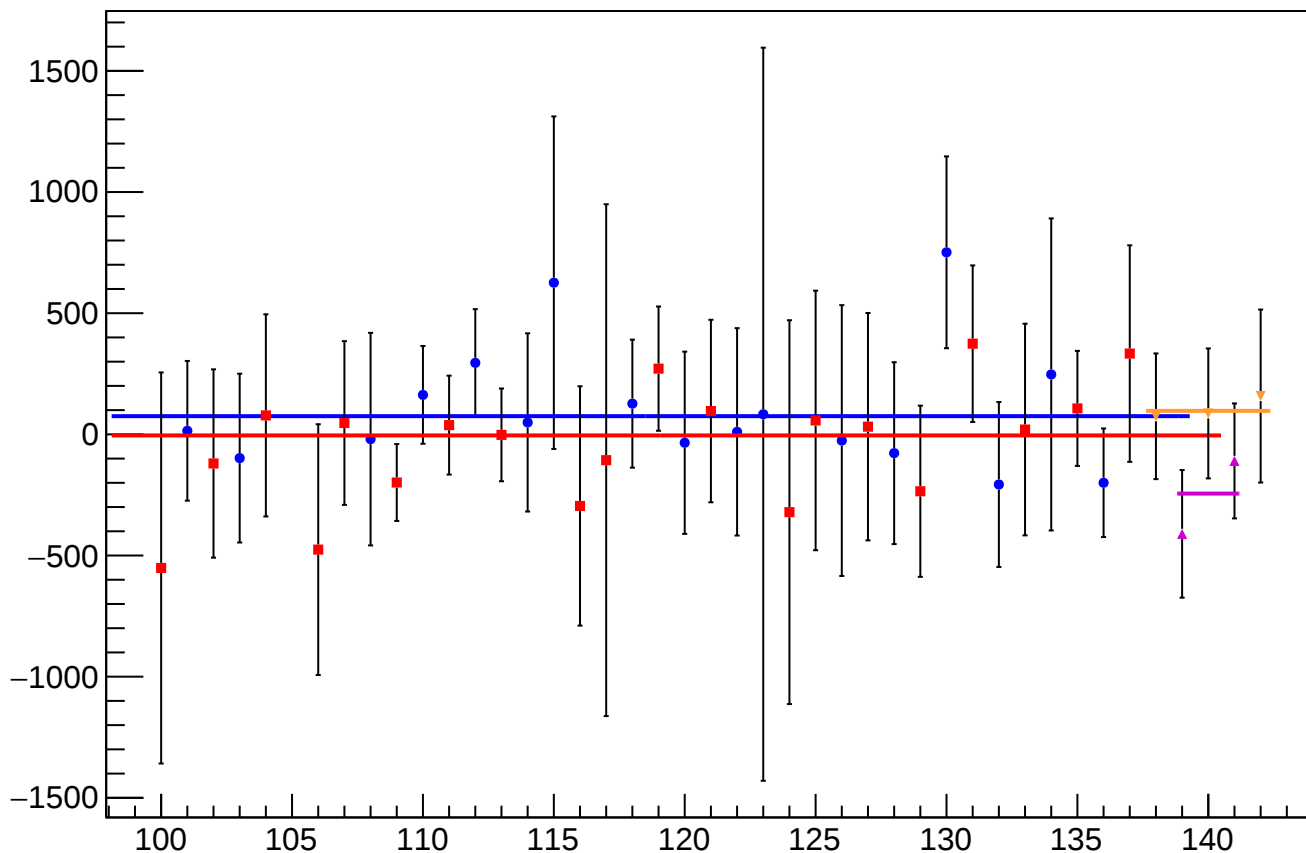
Right Out: 10.758 $\pm$ 0.003 χ^2/NDF : 178180.9/19

Left In: 10.618 $\pm$ 0.006 χ^2/NDF : 3561.4/1

10.625 $\pm$ 0.003 χ^2/NDF : 178642.1/19

10.733 $\pm$ 0.003 χ^2/NDF : 182181.6/21

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 96.962 $\pm$ 165.242 χ^2 /NDF:0.0/2

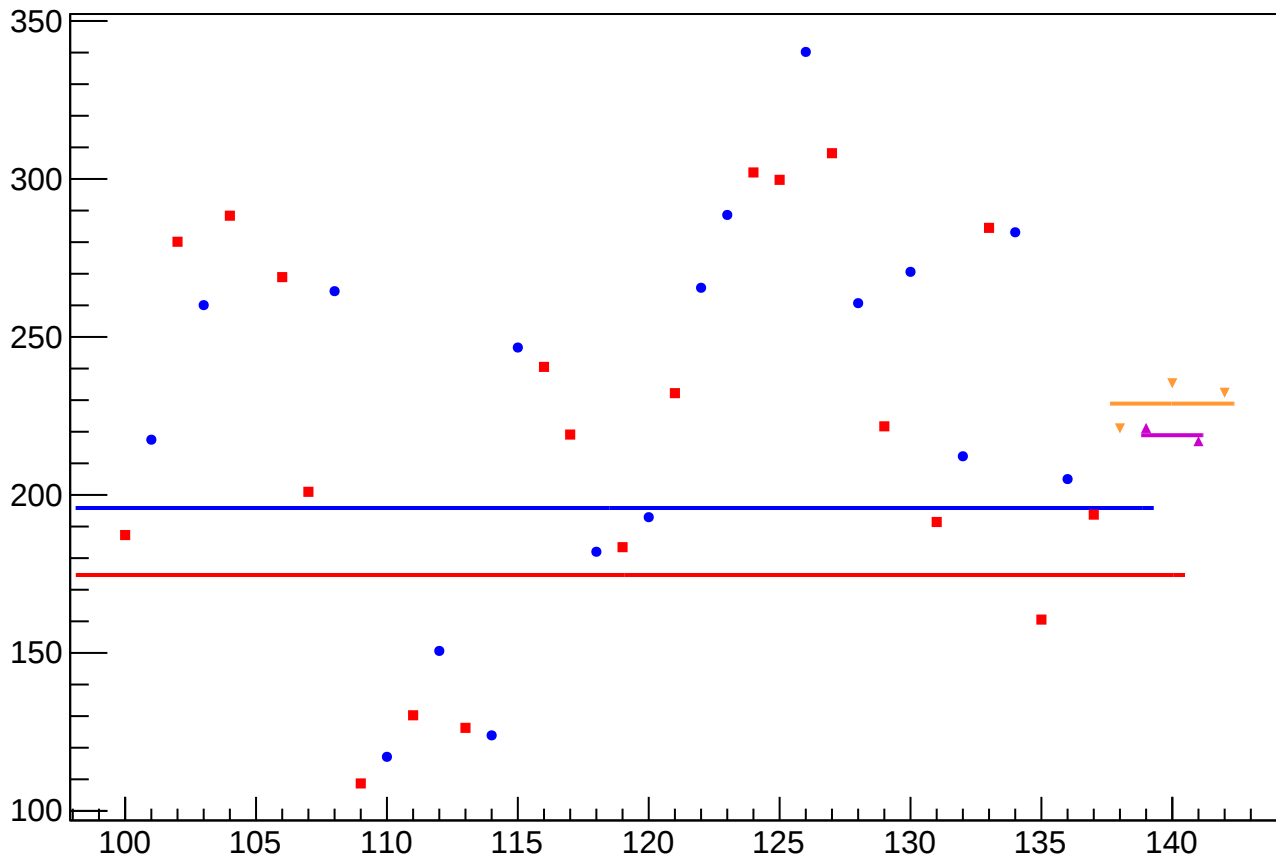
Right Out: -4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

Left In: -244.460 $\pm$ 176.277 χ^2 /NDF:0.7/1

79.269 $\pm$ 72.261 χ^2 /NDF: 7.7/19

-37.735 $\pm$ 65.638 χ^2 /NDF: 9.7/21

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 $\pm$ 0.057 χ^2/NDF : 979247.4/16

Left Out: 228.901 $\pm$ 0.117 χ^2/NDF : 3166.7/2

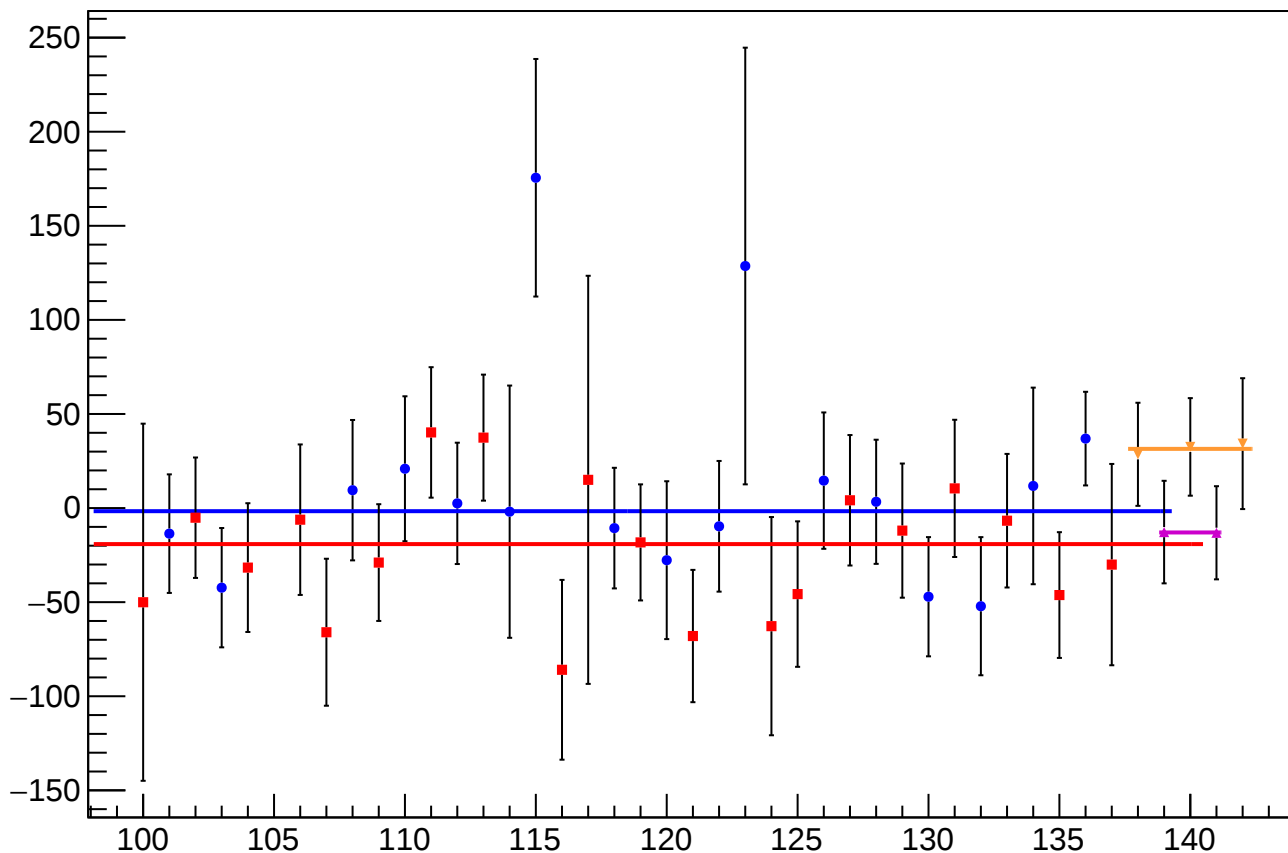
Right Out: 174.665 $\pm$ 0.050 χ^2/NDF : 1532335.9/19

Left In: 218.905 $\pm$ 0.125 χ^2/NDF : 280.8/1

202.186 $\pm$ 0.051 χ^2/NDF : 1047052.1/19

180.799 $\pm$ 0.046 χ^2/NDF : 1641117.8/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 31.458 ± 16.557 χ^2/NDF : 0.0/2

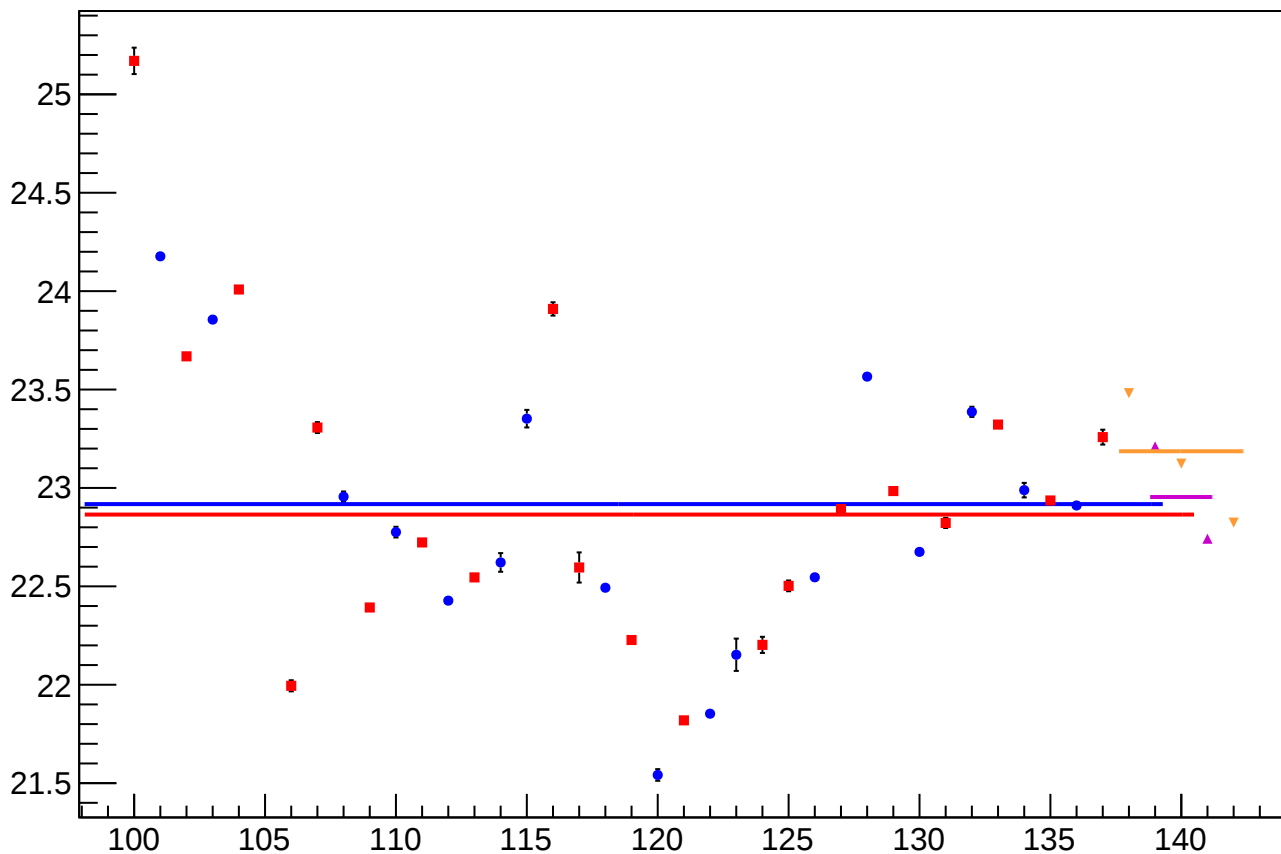
Right Out: -19.145 ± 8.529 χ^2/NDF : 14.9/19

Left In: -12.966 ± 18.320 χ^2/NDF : 0.0/1

5.744 ± 7.826 χ^2/NDF : 21.7/19

-18.044 ± 7.732 χ^2/NDF : 15.0/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 ± 0.006 χ^2/NDF : 11472.2/16

Left Out: 23.186 ± 0.012 χ^2/NDF : 461.3/2

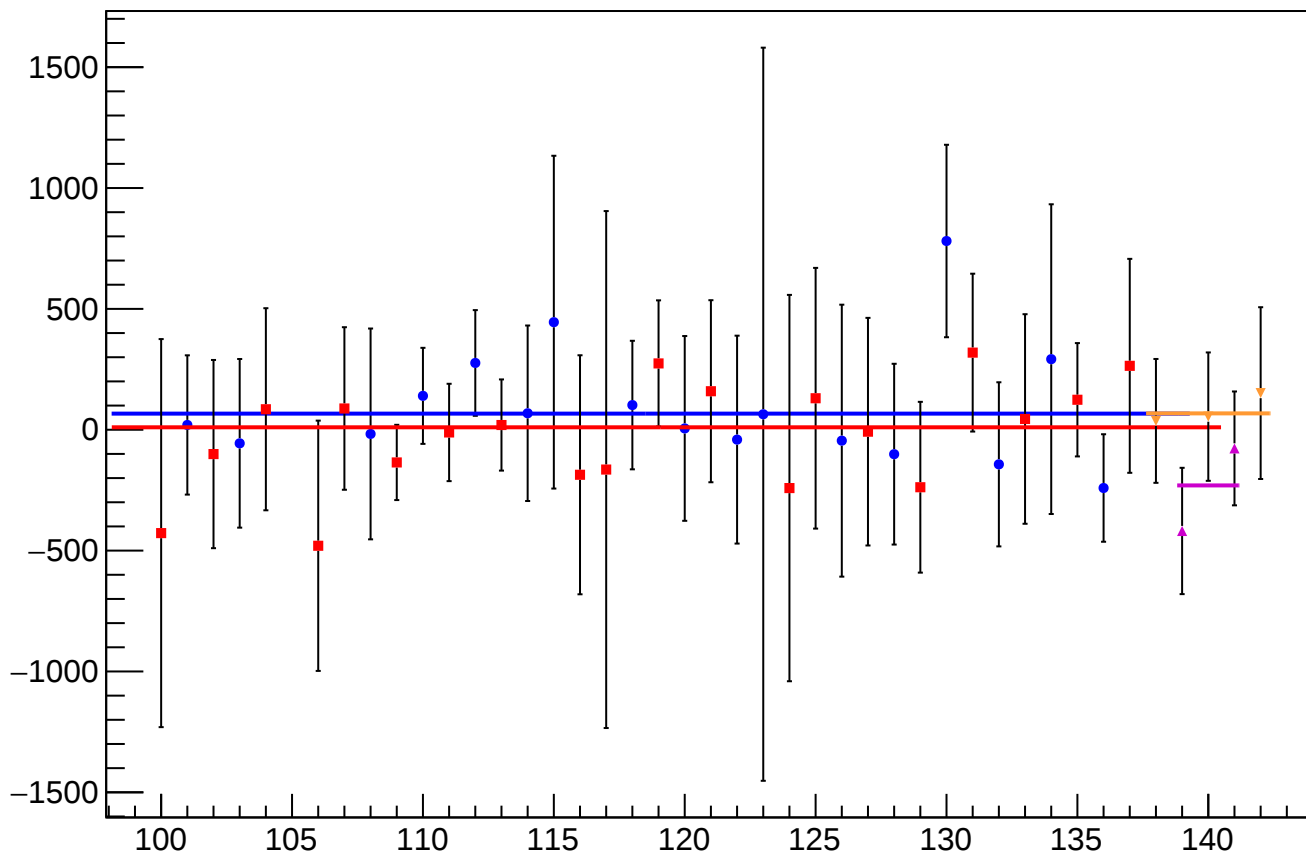
Right Out: 22.865 ± 0.006 χ^2/NDF : 11064.9/19

Left In: 22.954 ± 0.013 χ^2/NDF : 324.3/1

22.978 ± 0.006 χ^2/NDF : 12341.9/19

22.881 ± 0.005 χ^2/NDF : 11428.3/21

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: 67.696+/-163.657 χ^2/NDF : 0.1/2

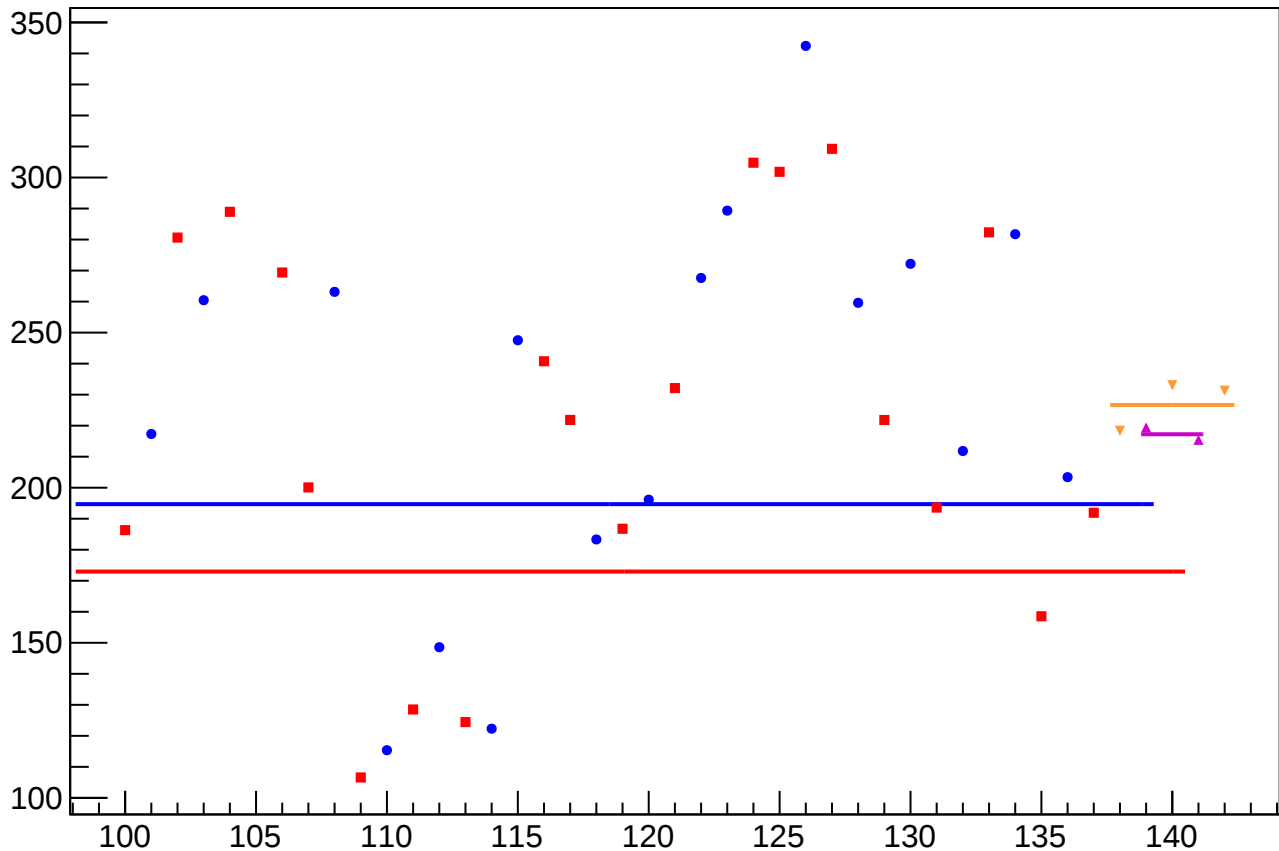
Right Out: 10.113+/-70.234 χ^2/NDF : 5.7/19

Left In: -230.336+/-174.945 χ^2/NDF : 0.9/1

66.893+/-71.869 χ^2/NDF : 7.6/19

-23.262+/-65.178 χ^2/NDF : 8.3/21

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 226.671 $\pm$ 0.116 χ^2 /NDF:3598.2/2

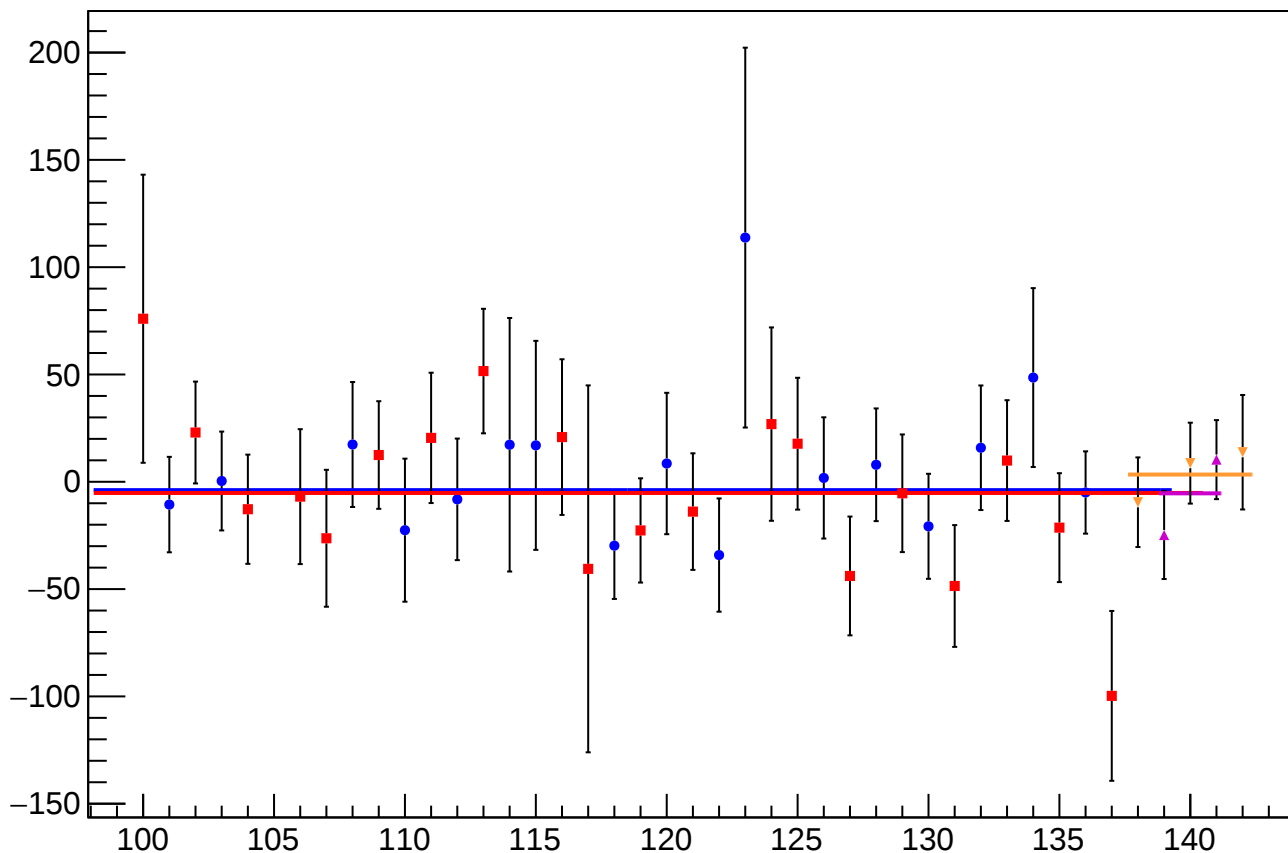
Right Out: 172.965 $\pm$ 0.050 χ^2 /NDF: 1601142.0/19

Left In: 217.231 $\pm$ 0.124 χ^2 /NDF:257.4/1

200.868 $\pm$ 0.051 χ^2 /NDF: 1085065.9/19

179.109 $\pm$ 0.046 χ^2 /NDF: 1711674.5/21

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894+/-6.915 χ^2/NDF : 8.4/16

Left Out: 3.373+/-12.391 χ^2/NDF : 0.6/2

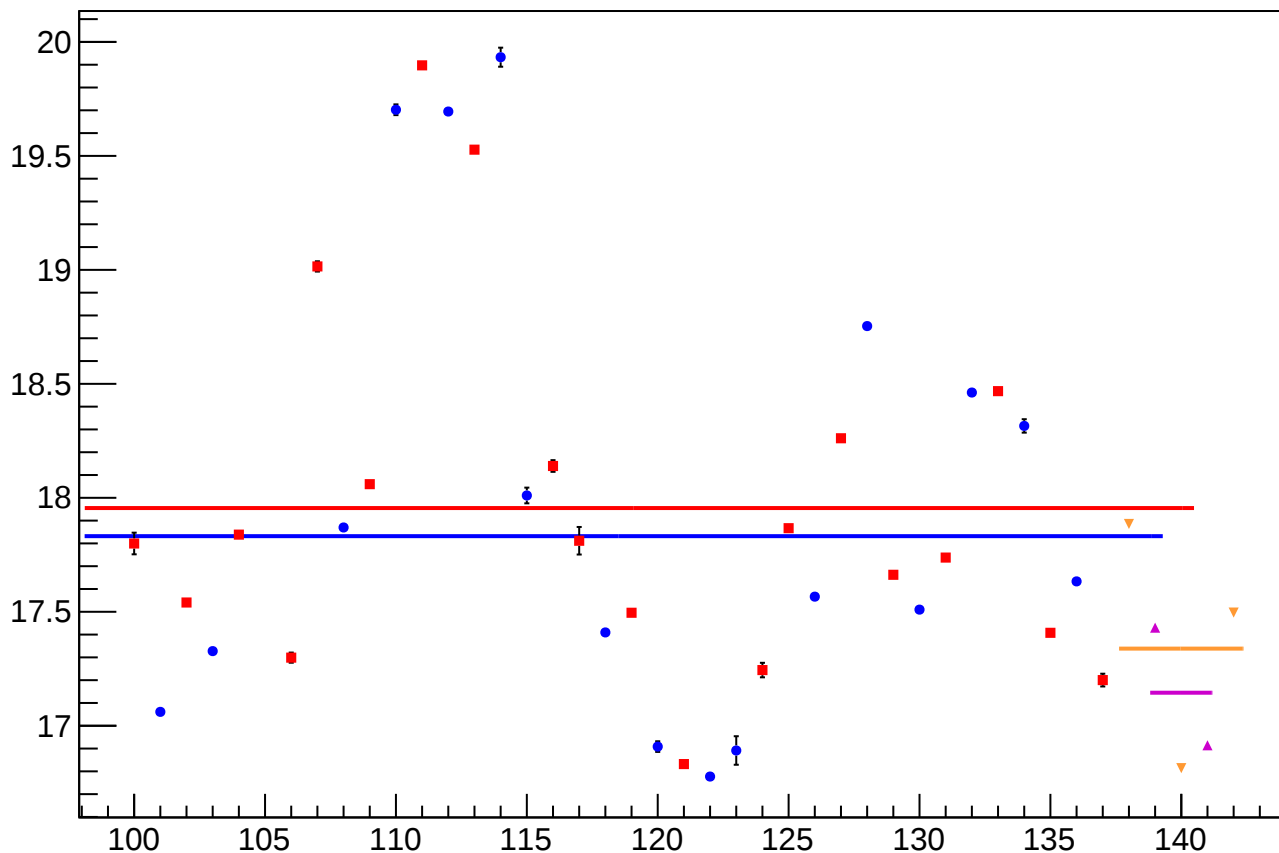
Right Out: -5.204+/-6.706 χ^2/NDF : 21.5/19

Left In: -5.383+/-13.694 χ^2/NDF : 1.6/1

-2.168+/-6.038 χ^2/NDF : 9.3/19

-5.238+/-6.023 χ^2/NDF : 23.1/21

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 17.338 $\pm$ 0.009 χ^2 /NDF:2990.1/2

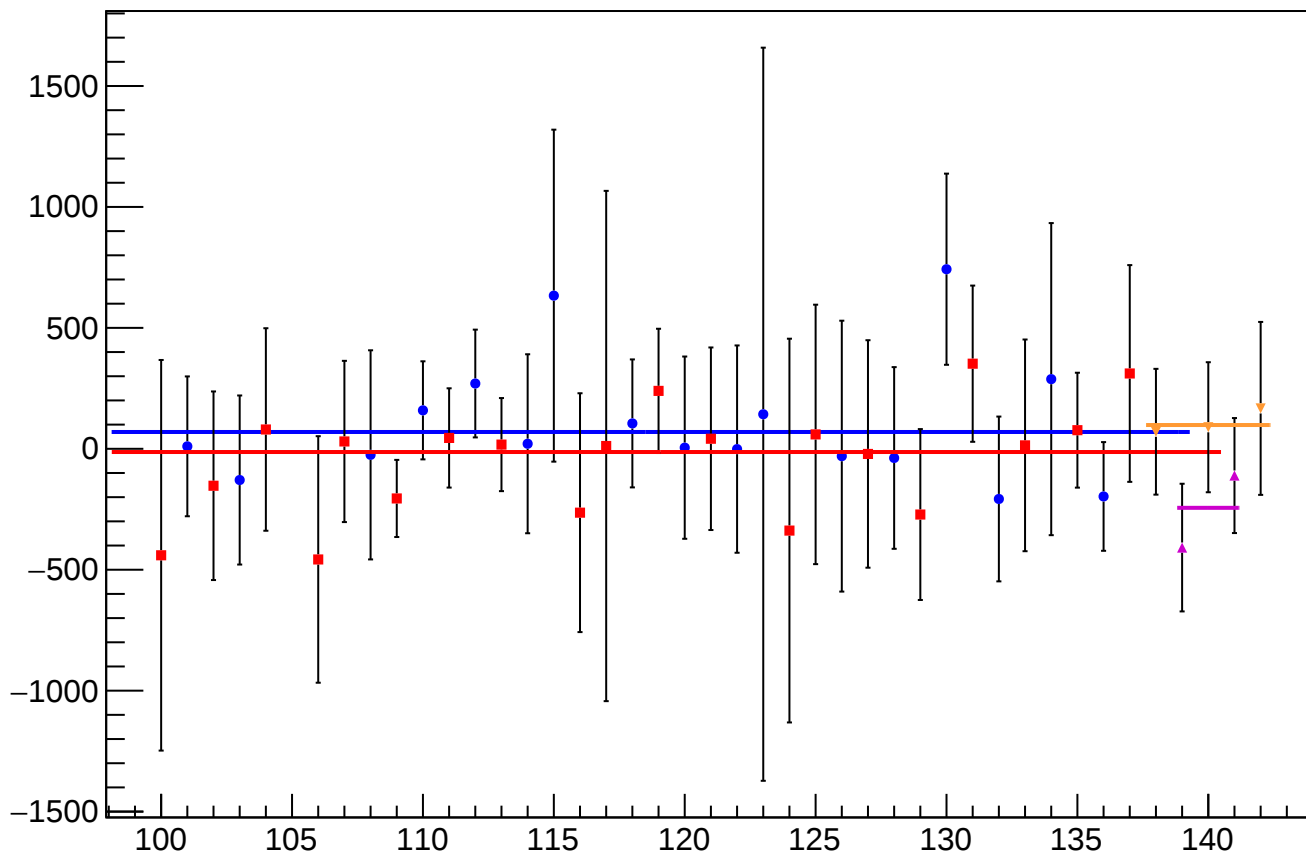
Right Out: 17.955 $\pm$ 0.005 χ^2 /NDF: 25454.6/19

Left In: 17.145 $\pm$ 0.010 χ^2 /NDF:702.0/1

17.715 $\pm$ 0.004 χ^2 /NDF: 36270.9/19

17.798 $\pm$ 0.004 χ^2 /NDF: 31802.1/21

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 98.310+/-165.637 χ^2/NDF : 0.0/2

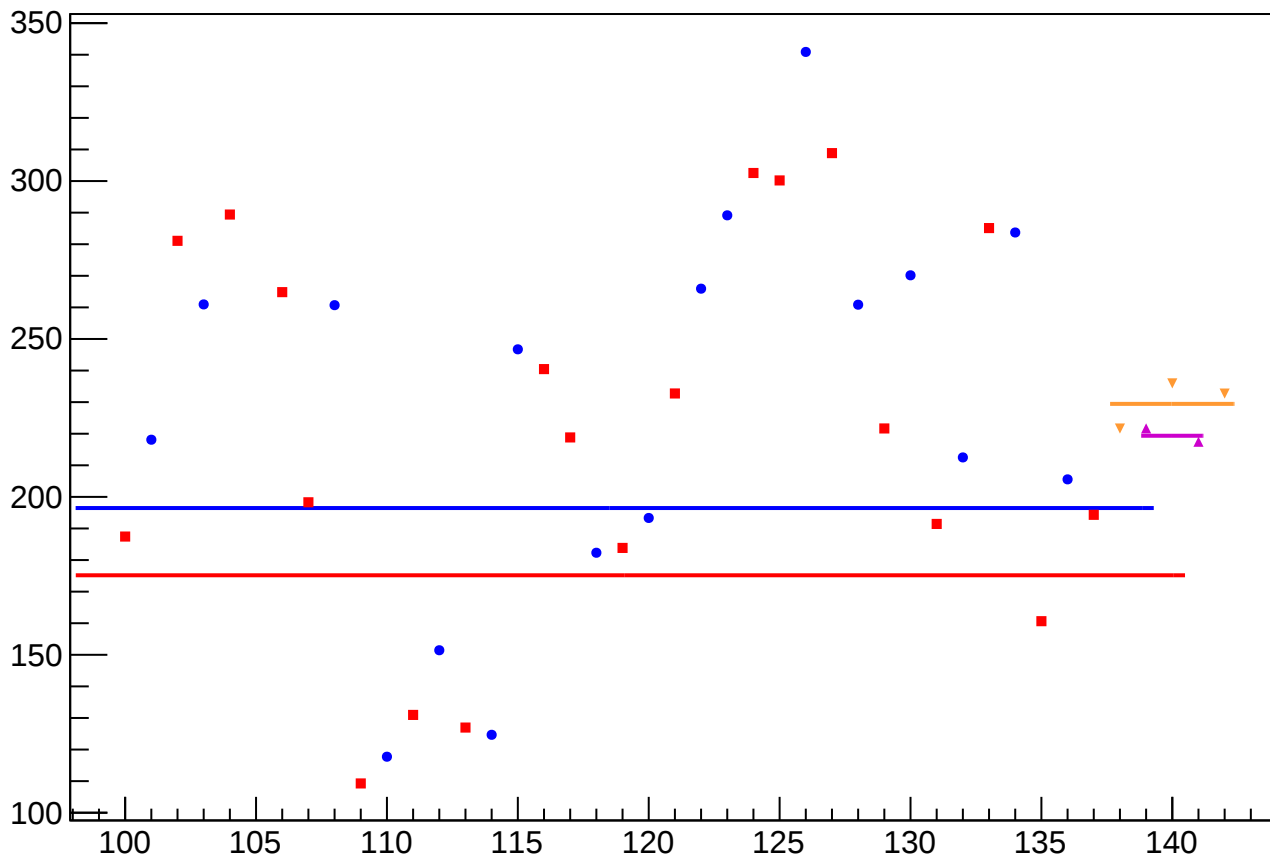
Right Out: -13.298+/-70.881 χ^2/NDF : 6.7/19

Left In: -244.039+/-176.641 χ^2/NDF : 0.7/1

75.019+/-72.439 χ^2/NDF : 7.5/19

-45.298+/-65.782 χ^2/NDF : 8.9/21

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.470 $\pm$ 0.057 χ^2/NDF : 964281.5/16

Left Out: 229.449 $\pm$ 0.117 χ^2/NDF :3133.8/2

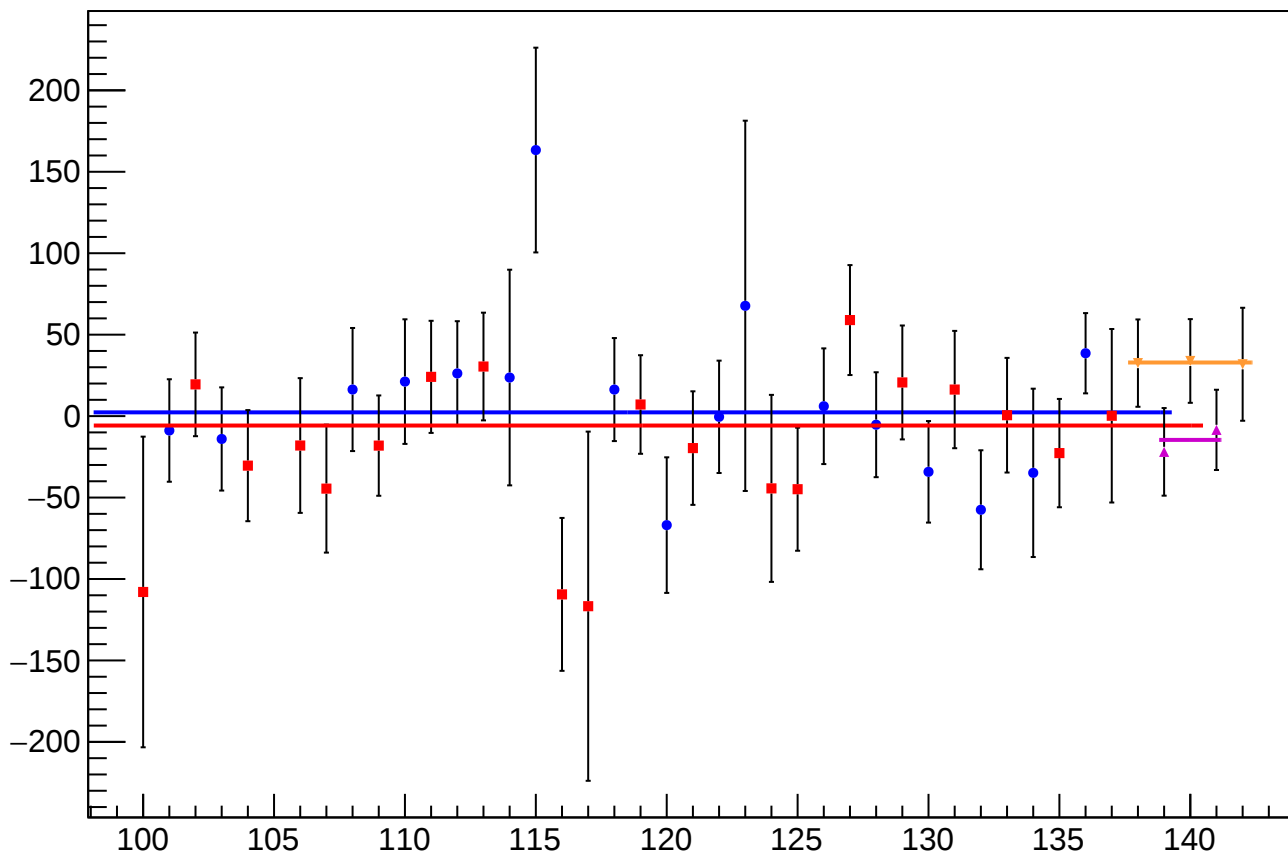
Right Out: 175.179 $\pm$ 0.050 χ^2/NDF : 1514541.6/19

Left In: 219.357 $\pm$ 0.125 χ^2/NDF :283.4/1

202.778 $\pm$ 0.051 χ^2/NDF : 1031534.9/19

181.306 $\pm$ 0.047 χ^2/NDF : 1622574.2/21

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 32.912 ± 16.356 $\chi^2/\text{NDF}: 0.0/2$

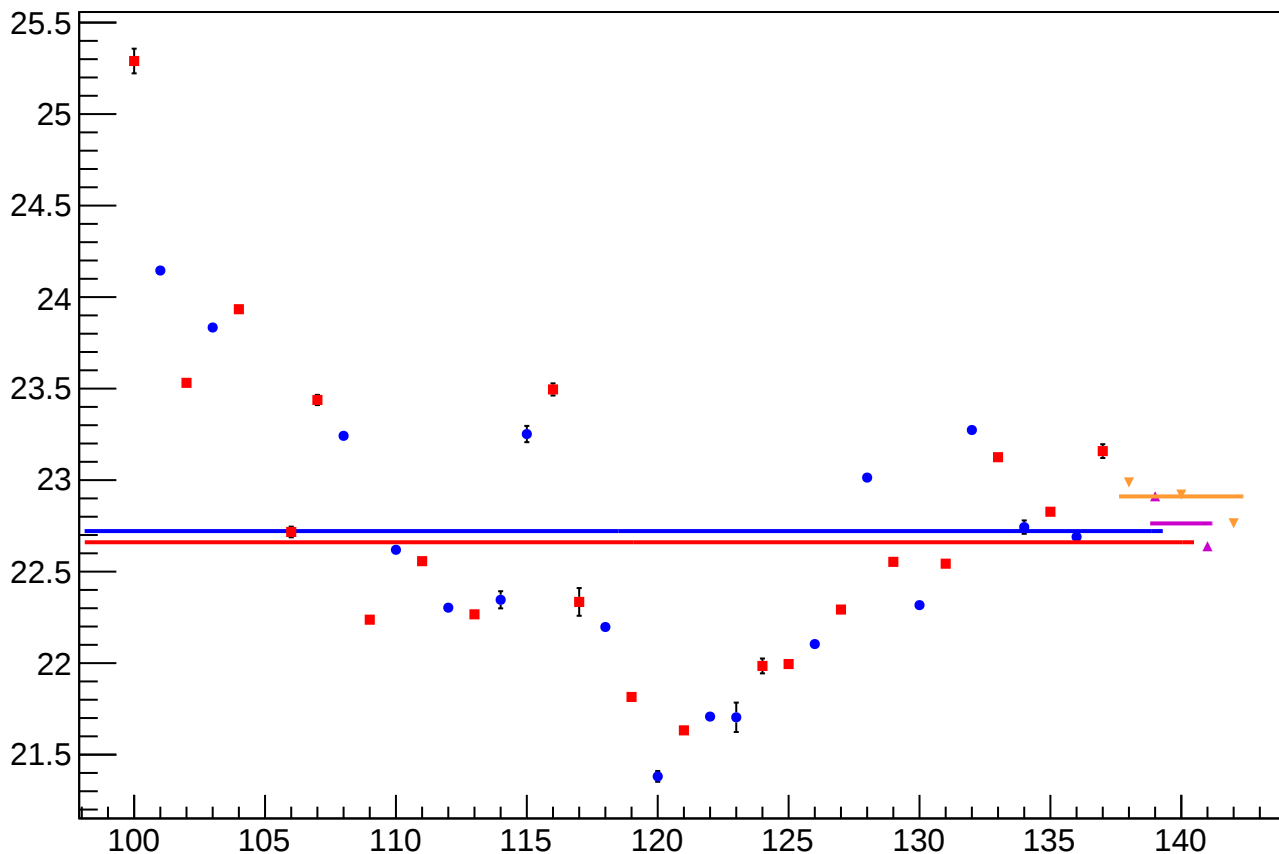
Right Out: -5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

Left In: -14.606 ± 18.167 $\chi^2/\text{NDF}: 0.1/1$

9.184 ± 7.753 $\chi^2/\text{NDF}: 20.8/19$

-7.353 ± 7.664 $\chi^2/\text{NDF}: 18.5/21$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 ± 0.006 χ^2/NDF : 13580.6/16

Left Out: 22.911 ± 0.012 χ^2/NDF : 52.5/2

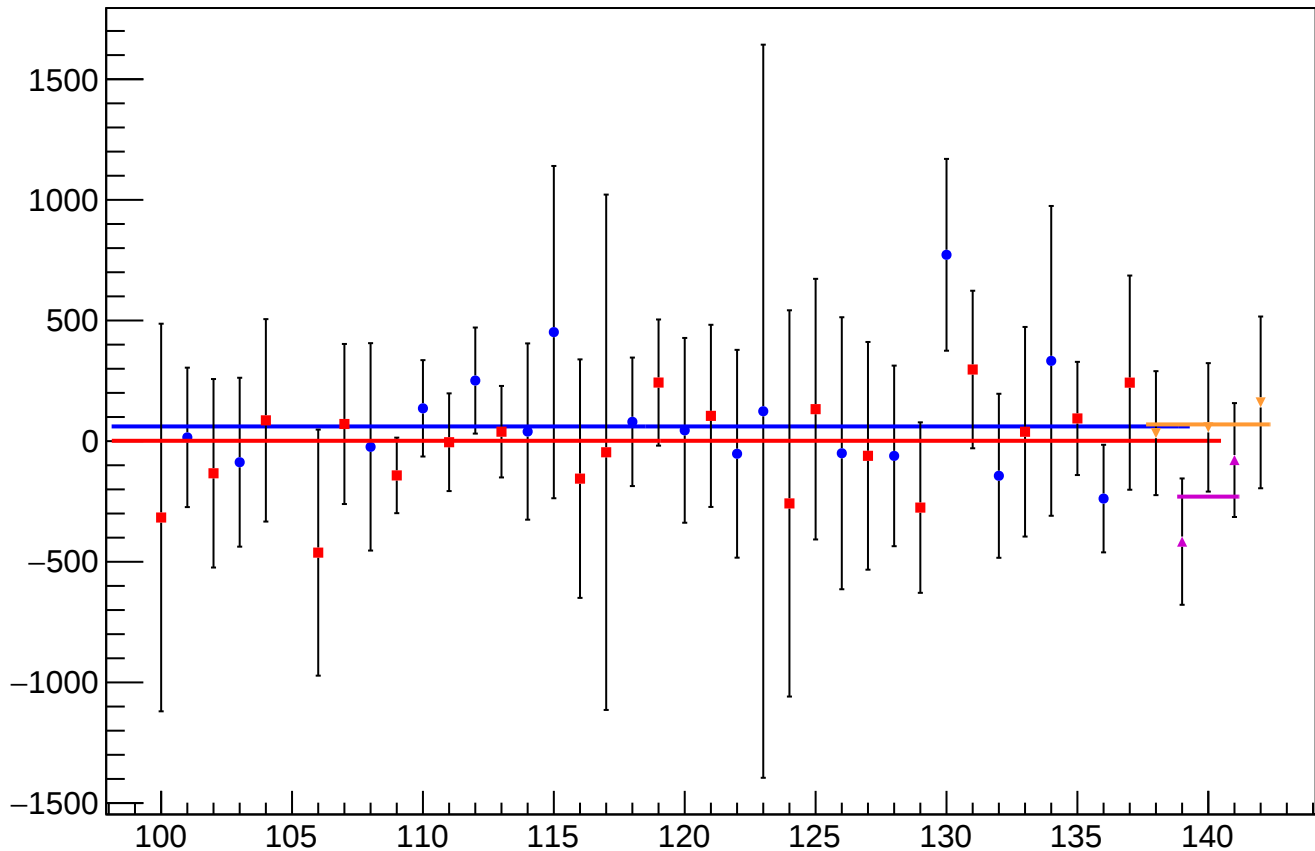
Right Out: 22.660 ± 0.006 χ^2/NDF : 12974.2/19

Left In: 22.763 ± 0.013 χ^2/NDF : 112.1/1

22.764 ± 0.005 χ^2/NDF : 13840.8/19

22.679 ± 0.005 χ^2/NDF : 13139.0/21

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: 69.323+/-164.053 χ^2/NDF : 0.1/2

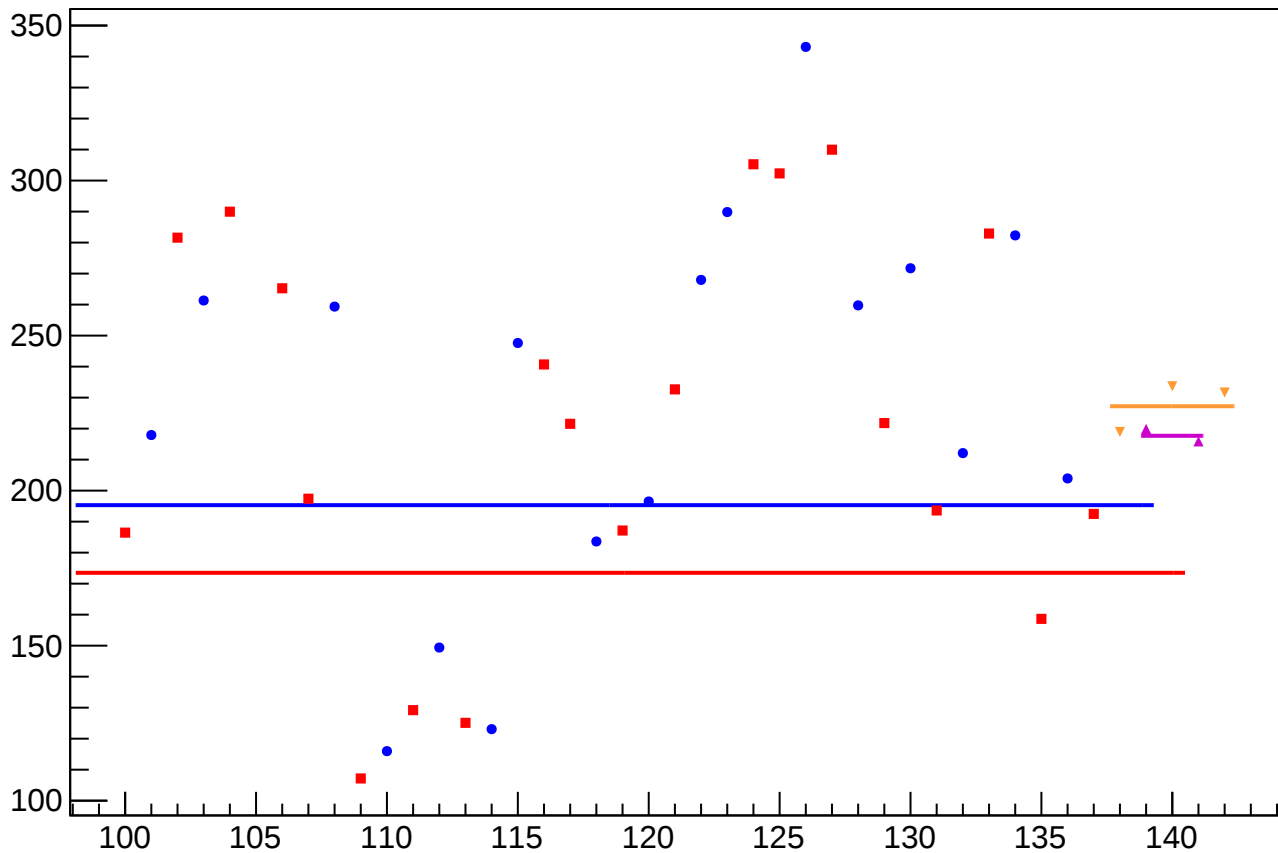
Right Out: 1.439+/-70.395 χ^2/NDF : 5.2/19

Left In: -229.929+/-175.311 χ^2/NDF : 0.9/1

62.573+/-72.049 χ^2/NDF : 7.3/19

-30.686+/-65.326 χ^2/NDF : 7.6/21

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316 $\pm$ 0.057 χ^2/NDF : 1004211.5/16

Left Out: 227.220 $\pm$ 0.116 χ^2/NDF : 3553.4/2

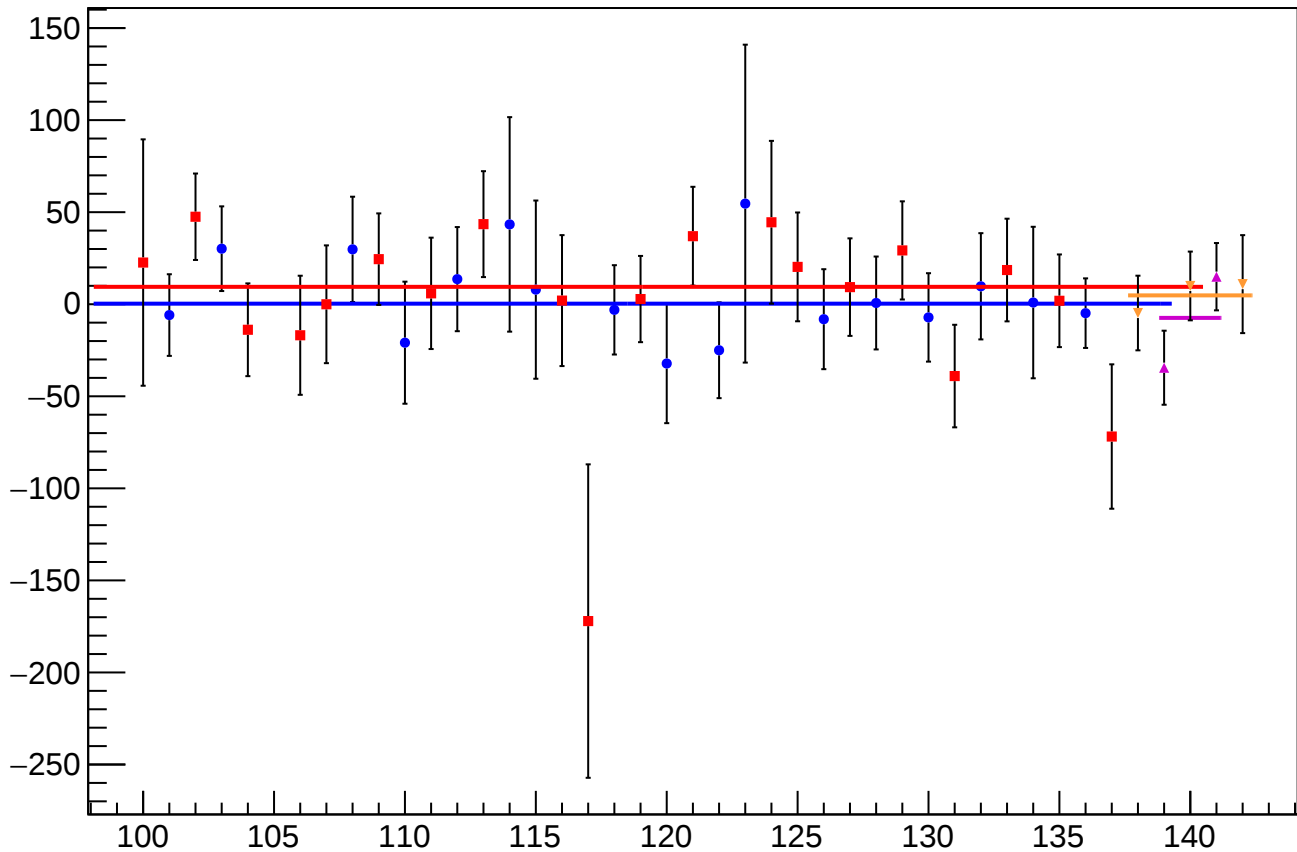
Right Out: 173.495 $\pm$ 0.050 χ^2/NDF : 1582449.6/19

Left In: 217.687 $\pm$ 0.124 χ^2/NDF : 260.2/1

201.469 $\pm$ 0.051 χ^2/NDF : 1068815.0/19

179.631 $\pm$ 0.046 χ^2/NDF : 1692150.8/21

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 $\pm$ 6.812 χ^2/NDF : 6.8/16

Left Out: 4.808 $\pm$ 12.205 χ^2/NDF : 0.4/2

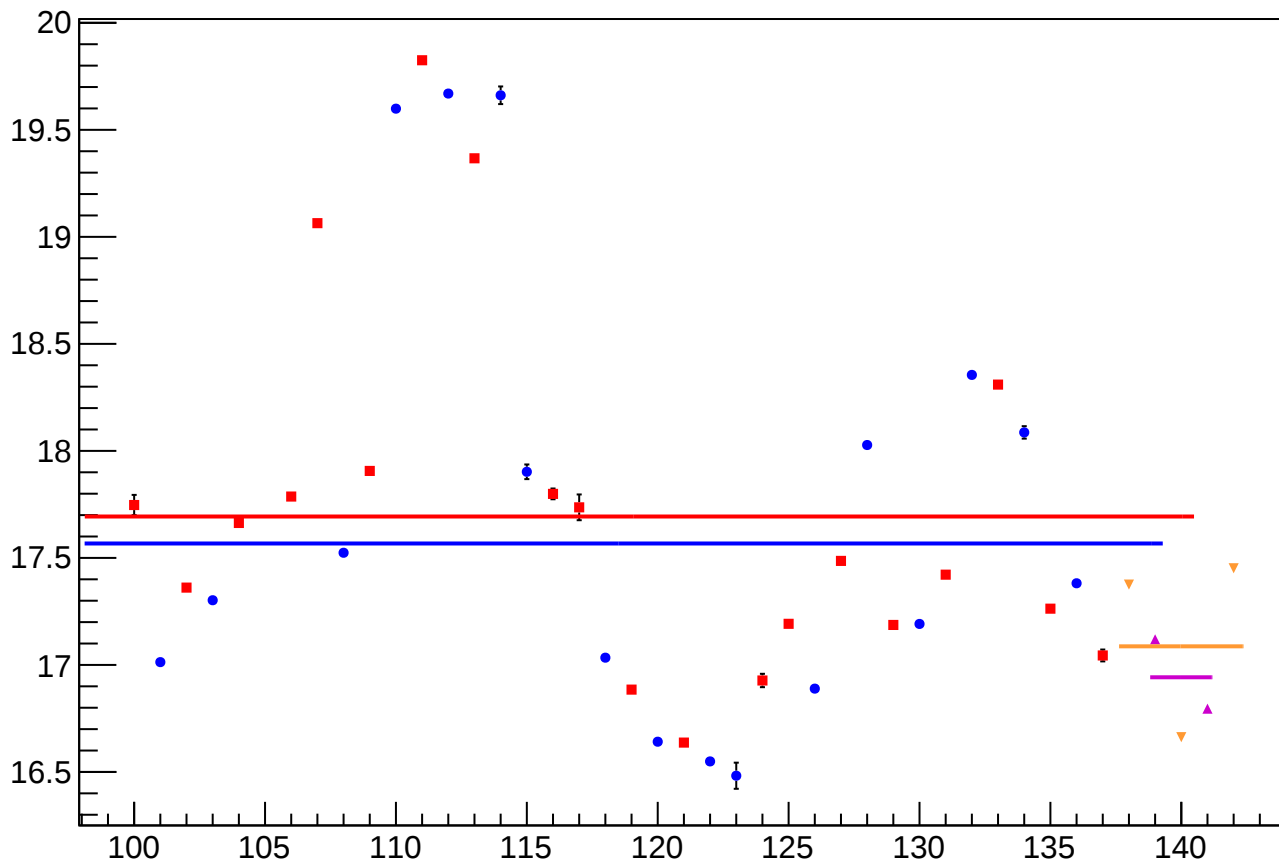
Right Out: 9.452 $\pm$ 6.608 χ^2/NDF : 20.6/19

Left In: -7.417 $\pm$ 13.527 χ^2/NDF : 3.3/1

1.375 $\pm$ 5.948 χ^2/NDF : 7.2/19

6.202 $\pm$ 5.937 χ^2/NDF : 25.2/21

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 17.087 $\pm$ 0.009 χ^2 /NDF:1813.9/2

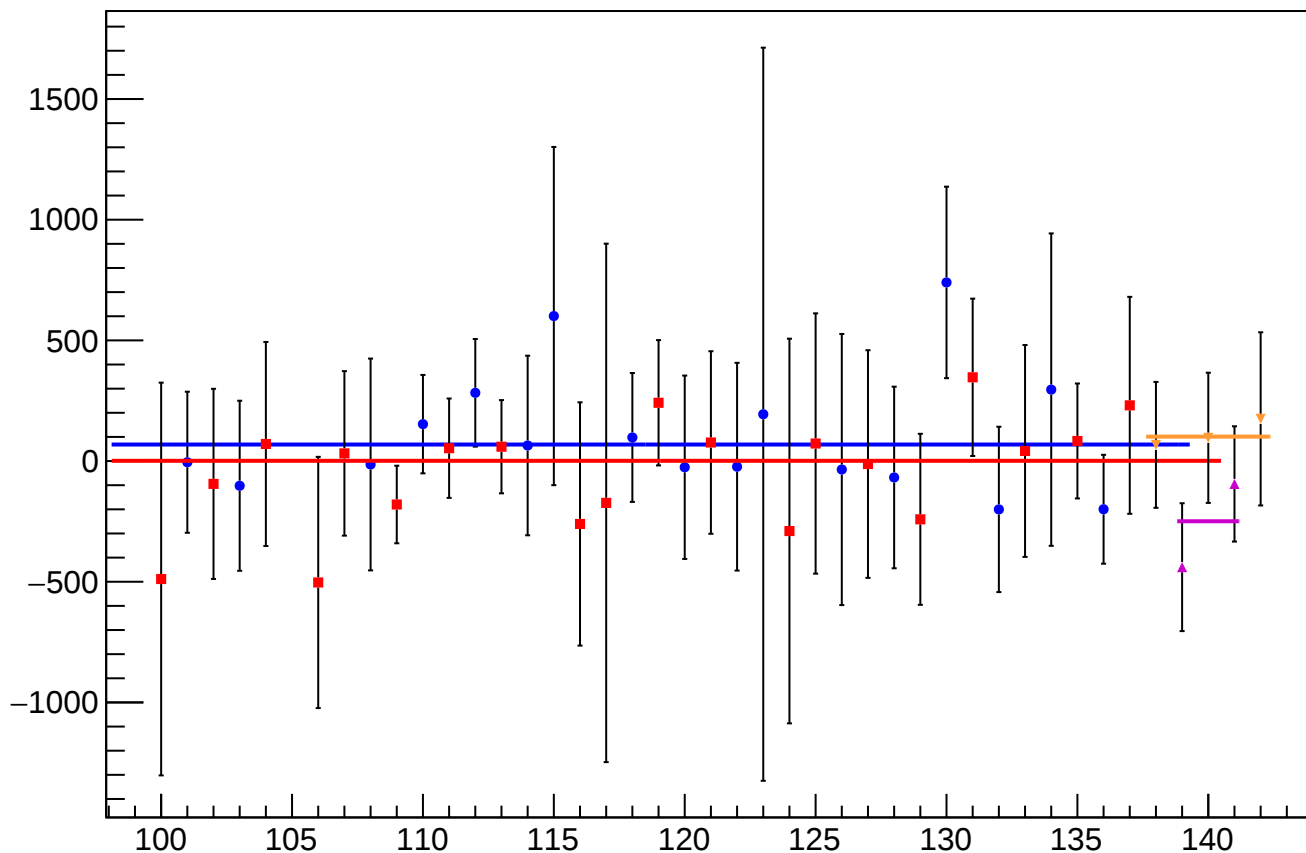
Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.6/19

Left In: 16.942 $\pm$ 0.010 χ^2 /NDF:284.2/1

17.453 $\pm$ 0.004 χ^2 /NDF: 37322.5/19

17.549 $\pm$ 0.004 χ^2 /NDF: 36030.9/21

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 101.313+/-166.161 χ^2/NDF : 0.1/2

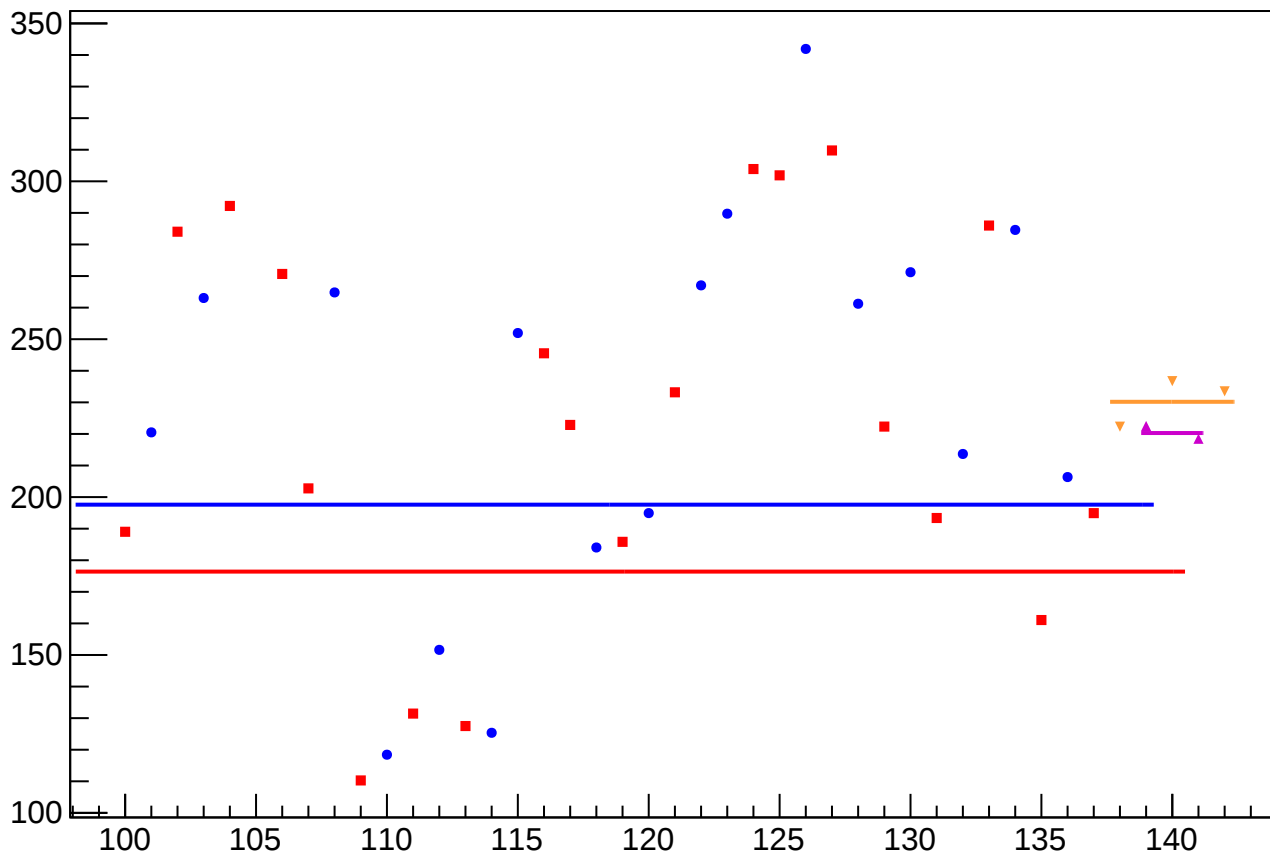
Right Out: 1.057+/-71.380 χ^2/NDF : 6.1/19

Left In: -249.334+/-177.385 χ^2/NDF : 0.9/1

74.846+/-72.823 χ^2/NDF : 7.4/19

-33.837+/-66.219 χ^2/NDF : 8.8/21

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 230.178 $\pm$ 0.117 χ^2 /NDF:3170.7/2

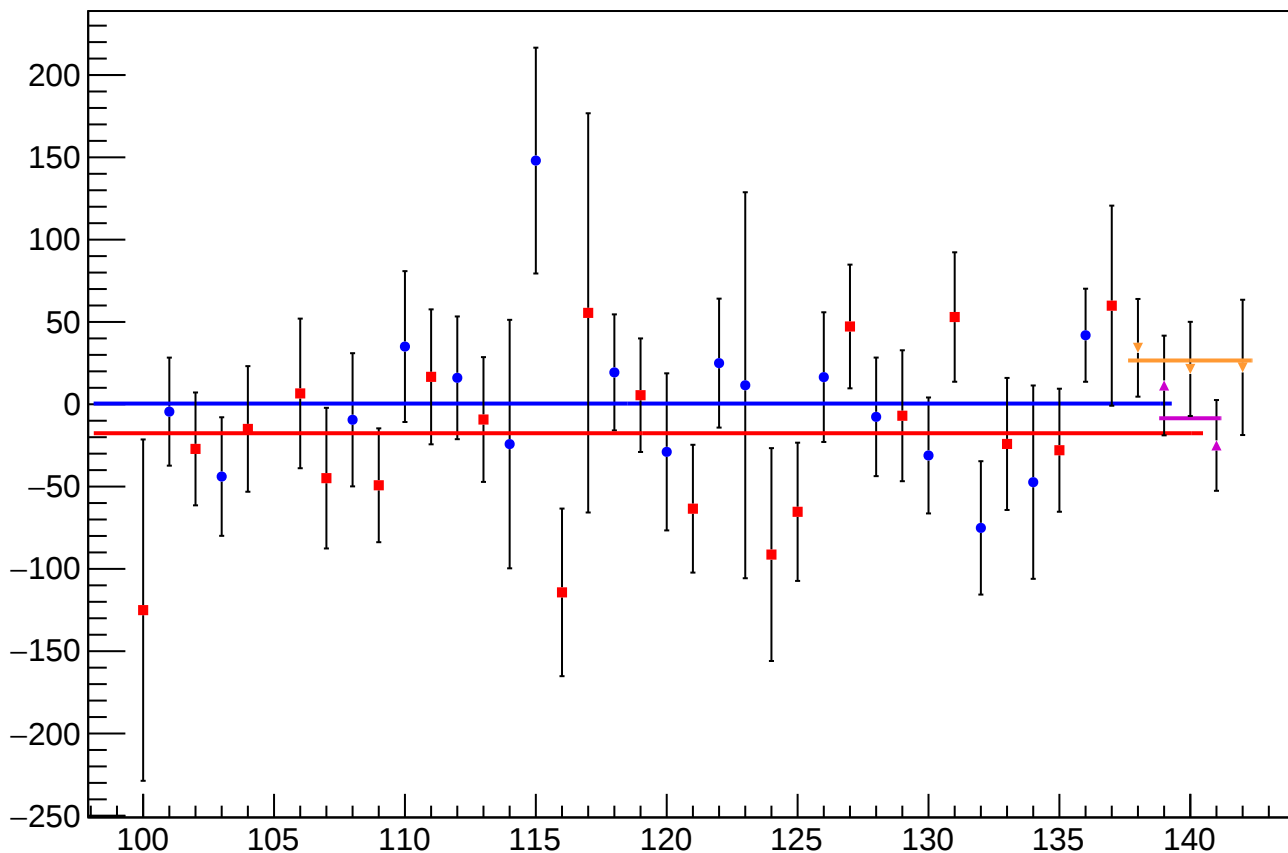
203.860 $\pm$ 0.051 χ^2 /NDF: 1034101.0/19

Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

182.523 $\pm$ 0.047 χ^2 /NDF: 1629185.7/21

Left In: 220.289 $\pm$ 0.125 χ^2 /NDF:257.9/1

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 26.595 ± 18.409 $\chi^2/\text{NDF}: 0.1/2$

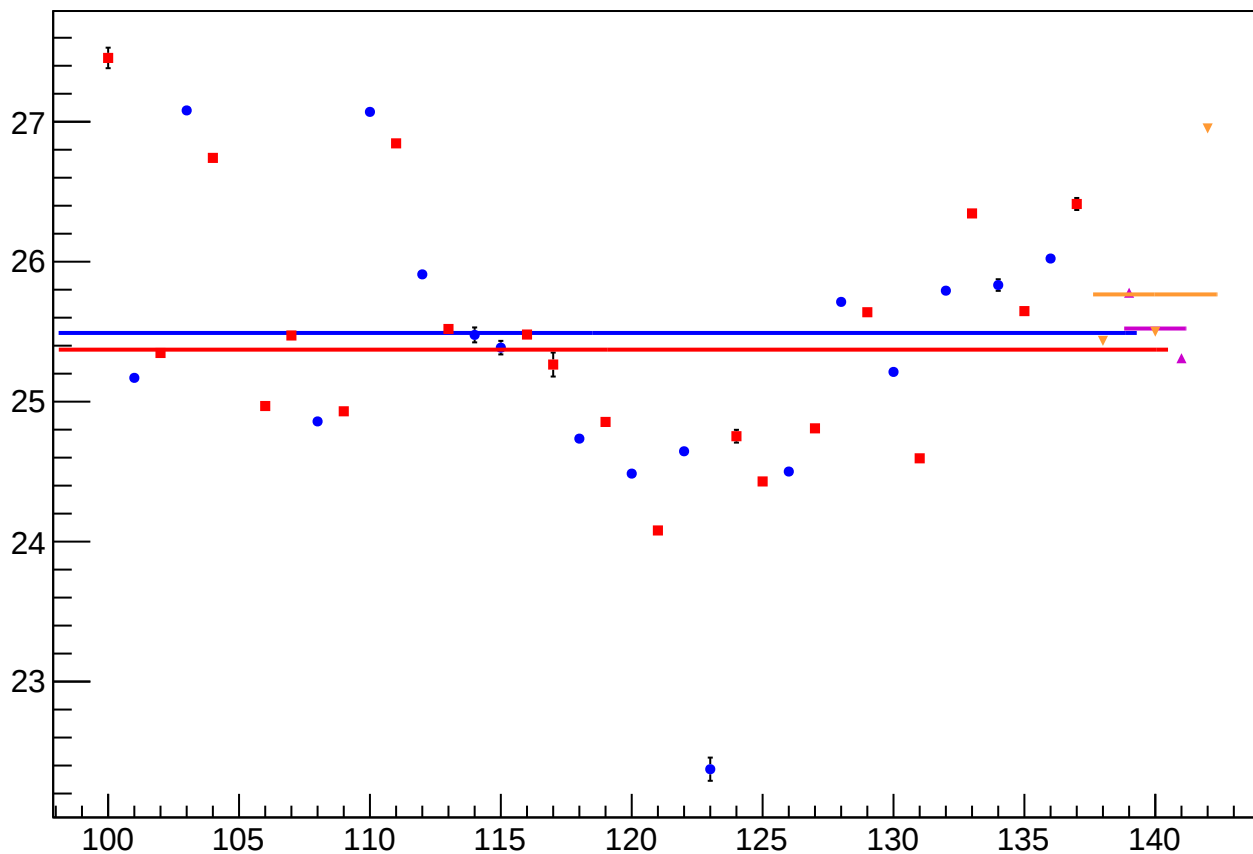
Right Out: -17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

Left In: -8.501 ± 20.386 $\chi^2/\text{NDF}: 0.8/1$

6.282 ± 8.708 $\chi^2/\text{NDF}: 17.1/19$

-15.981 ± 8.588 $\chi^2/\text{NDF}: 20.8/21$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491±/0.007 χ^2/NDF : 13713.0/16

Left Out: 25.766±/0.013 χ^2/NDF :2089.4/2

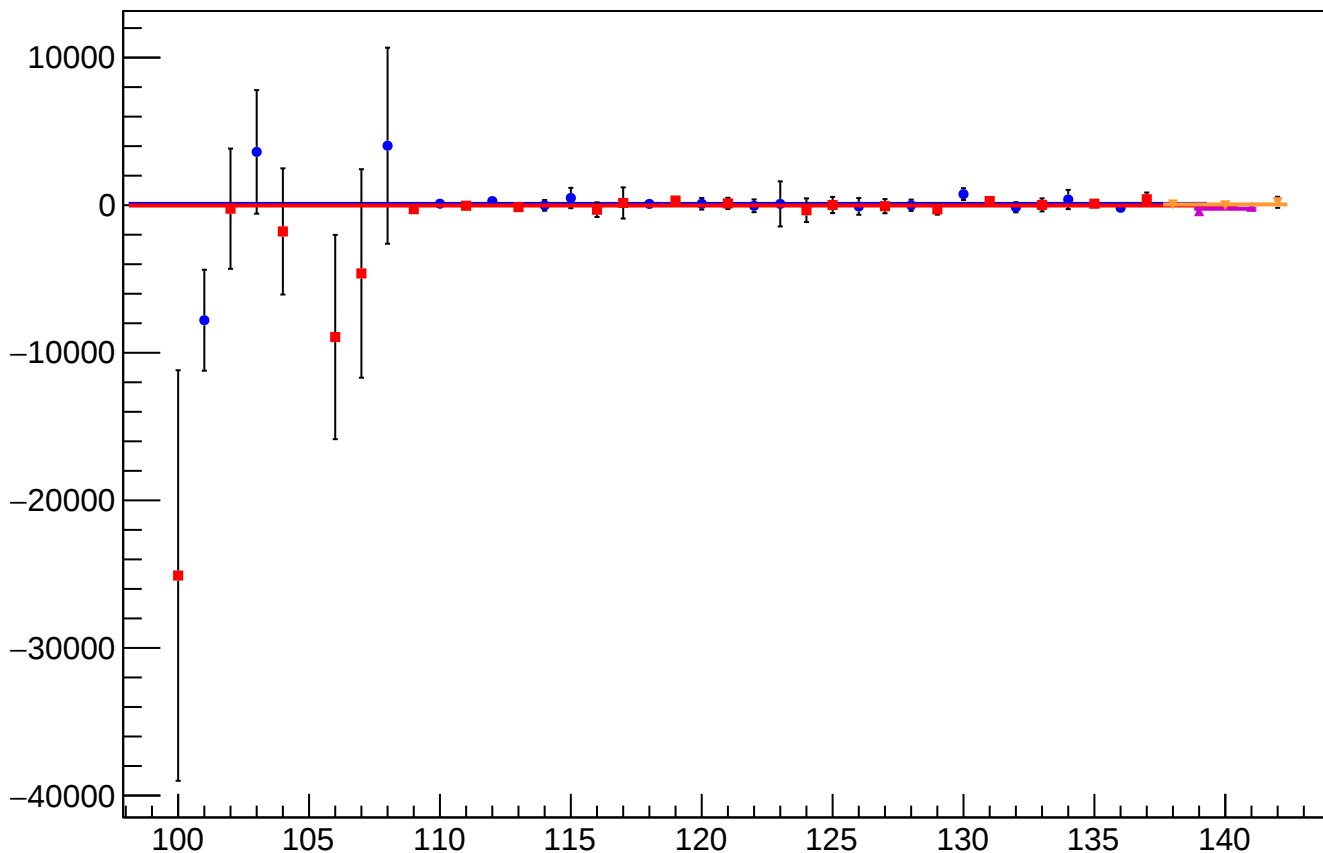
Right Out: 25.372±/0.007 χ^2/NDF : 13552.0/19

Left In: 25.522±/0.014 χ^2/NDF :261.3/1

25.552±/0.006 χ^2/NDF : 16149.7/19

25.398±/0.006 χ^2/NDF : 13903.5/21

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: 52.352+/-164.582 χ^2/NDF : 0.2/2

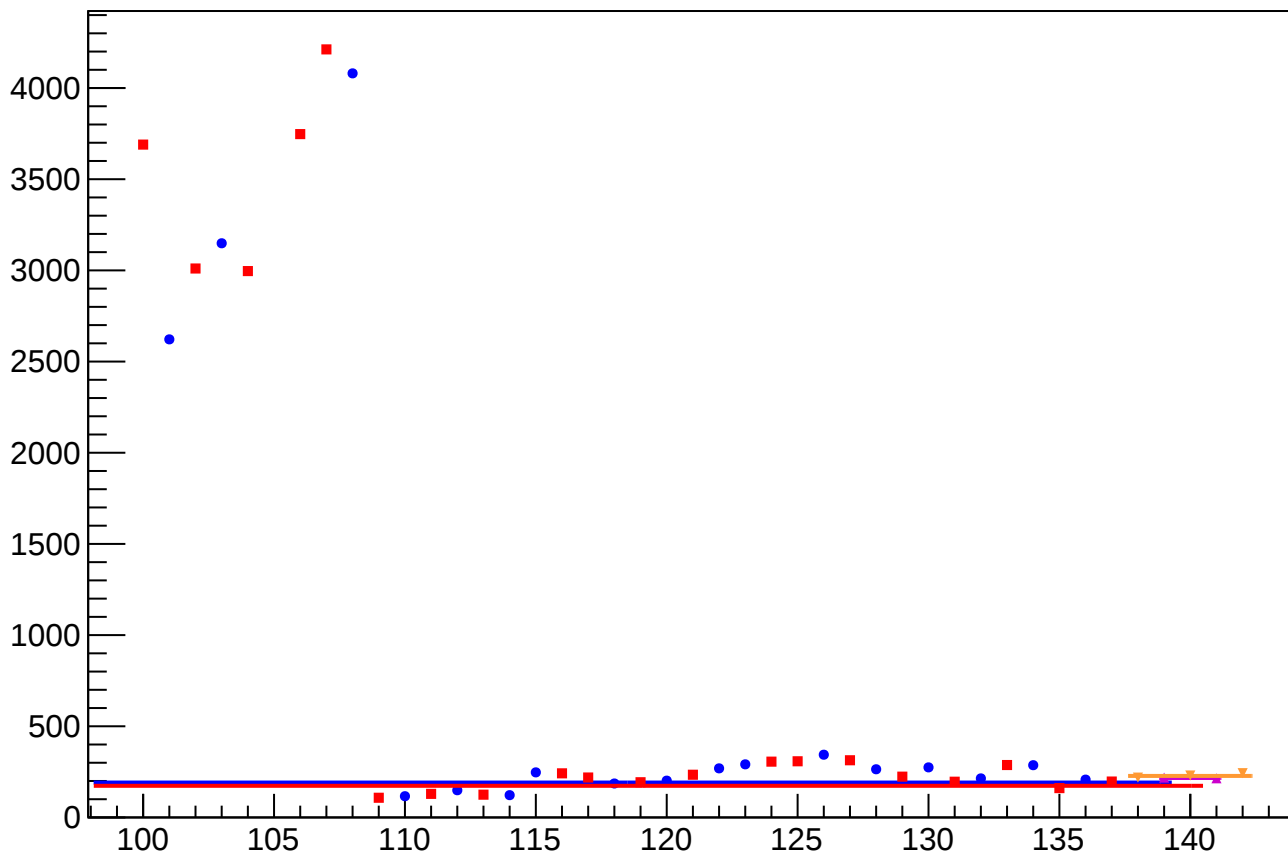
Right Out: -22.332+/-80.711 χ^2/NDF : 11.9/19

Left In: -240.736+/-174.398 χ^2/NDF : 0.7/1

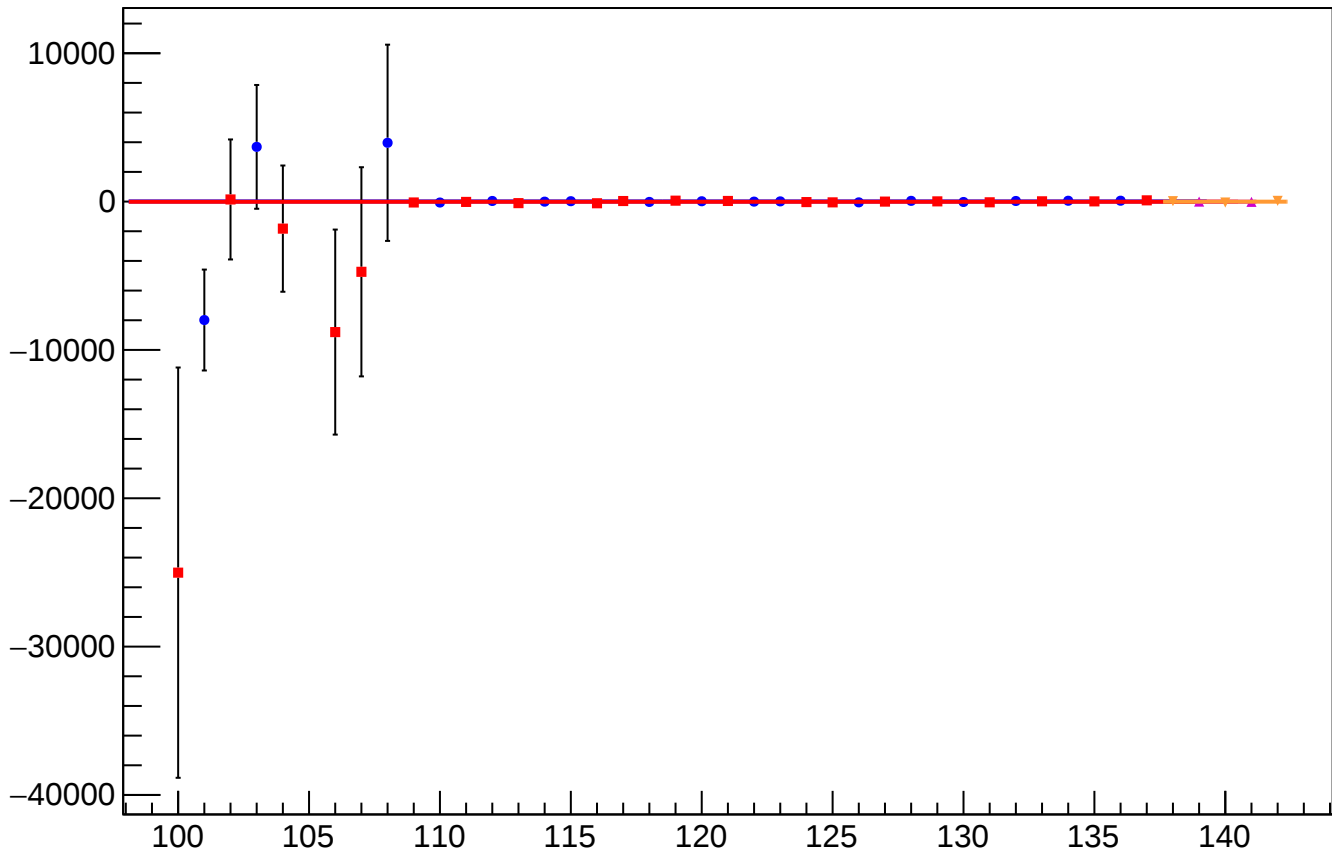
78.896+/-77.893 χ^2/NDF : 12.7/19

-60.859+/-73.248 χ^2/NDF : 13.9/21

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



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: -6.283+/-21.194 χ^2/NDF : 5.3/2

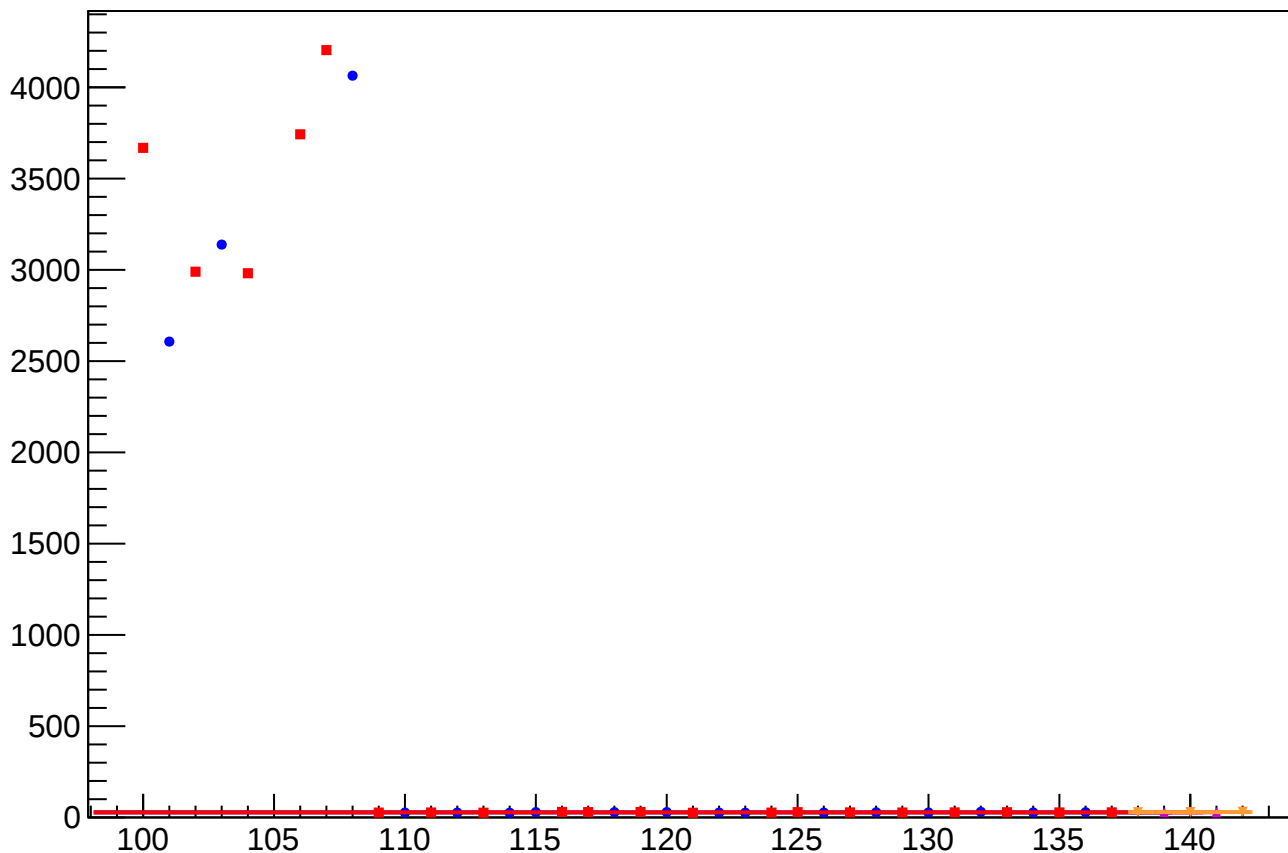
Right Out: -12.296+/-12.186 χ^2/NDF : 24.9/19

Left In: -10.184+/-22.867 χ^2/NDF : 0.2/1

6.120+/-10.627 χ^2/NDF : 24.1/19

-11.829+/-10.754 χ^2/NDF : 25.1/21

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 29.558+/-0.015 χ^2/NDF : 3818.6/2

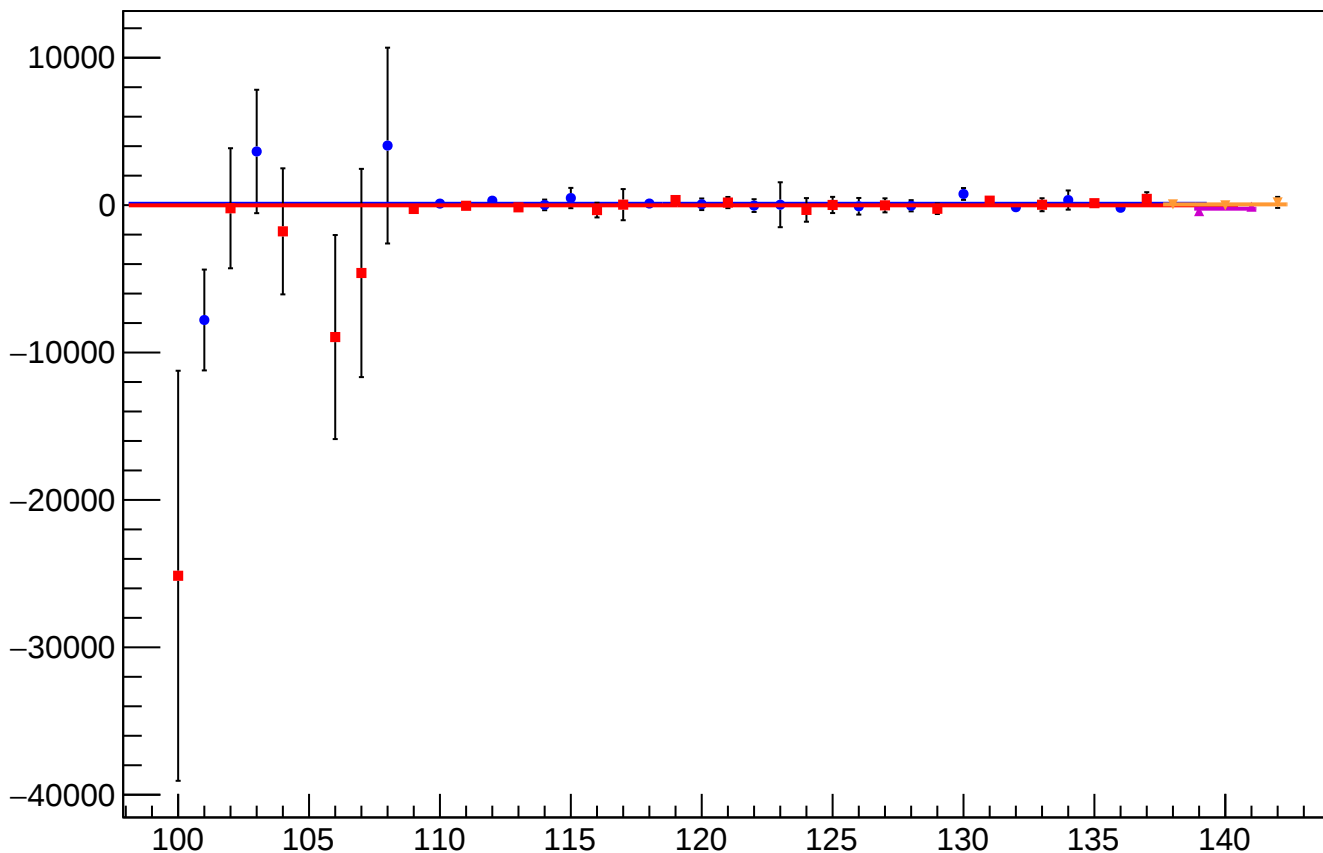
Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

Left In: 28.577+/-0.016 χ^2/NDF : 575.5/1

28.283+/-0.008 χ^2/NDF : 3041160.4/19

27.900+/-0.008 χ^2/NDF : 3479958.7/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: 50.980+/-164.183 χ^2/NDF : 0.2/2

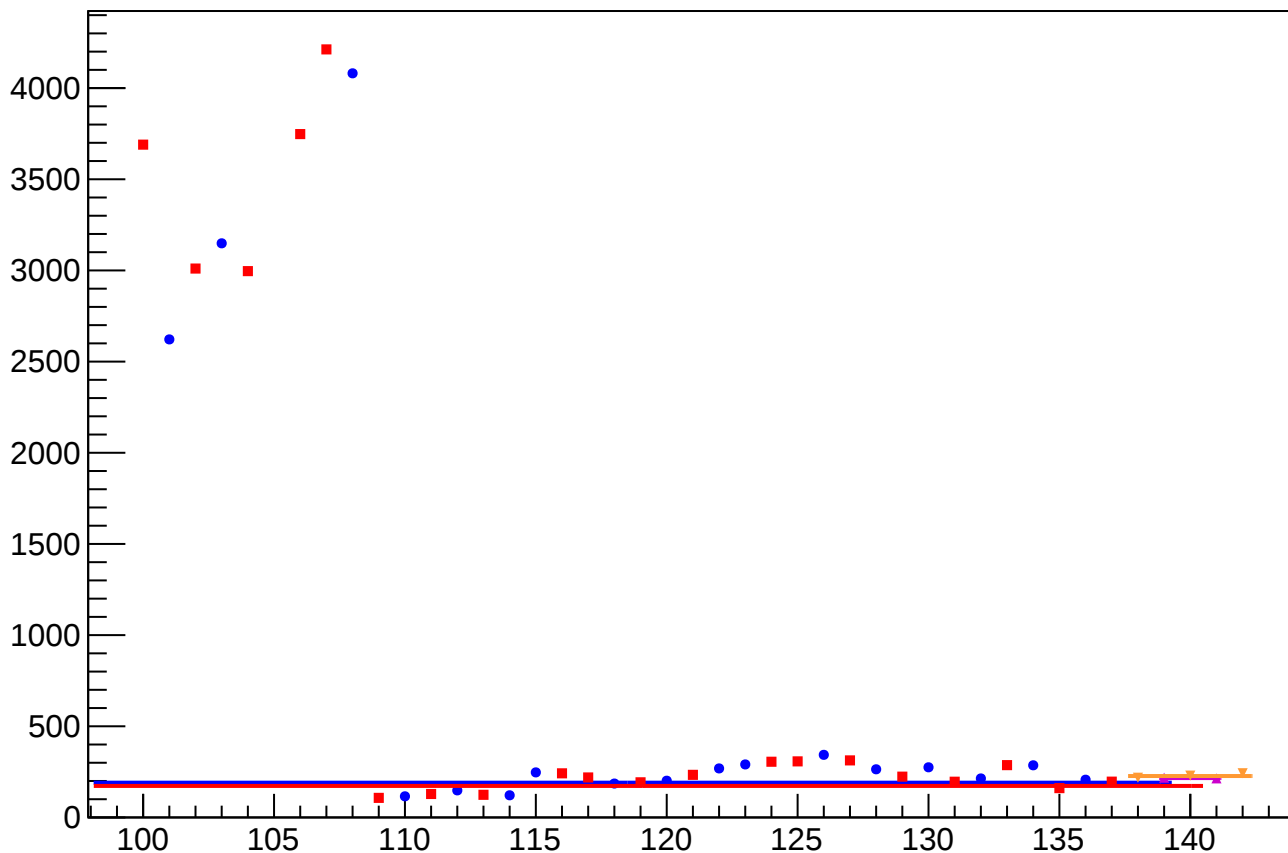
Right Out: -13.075+/-80.452 χ^2/NDF : 12.7/19

Left In: -241.082+/-174.035 χ^2/NDF : 0.7/1

81.869+/-77.663 χ^2/NDF : 13.0/19

-53.221+/-73.027 χ^2/NDF : 14.8/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 227.197+/-0.116 χ^2/NDF : 6121.9/2

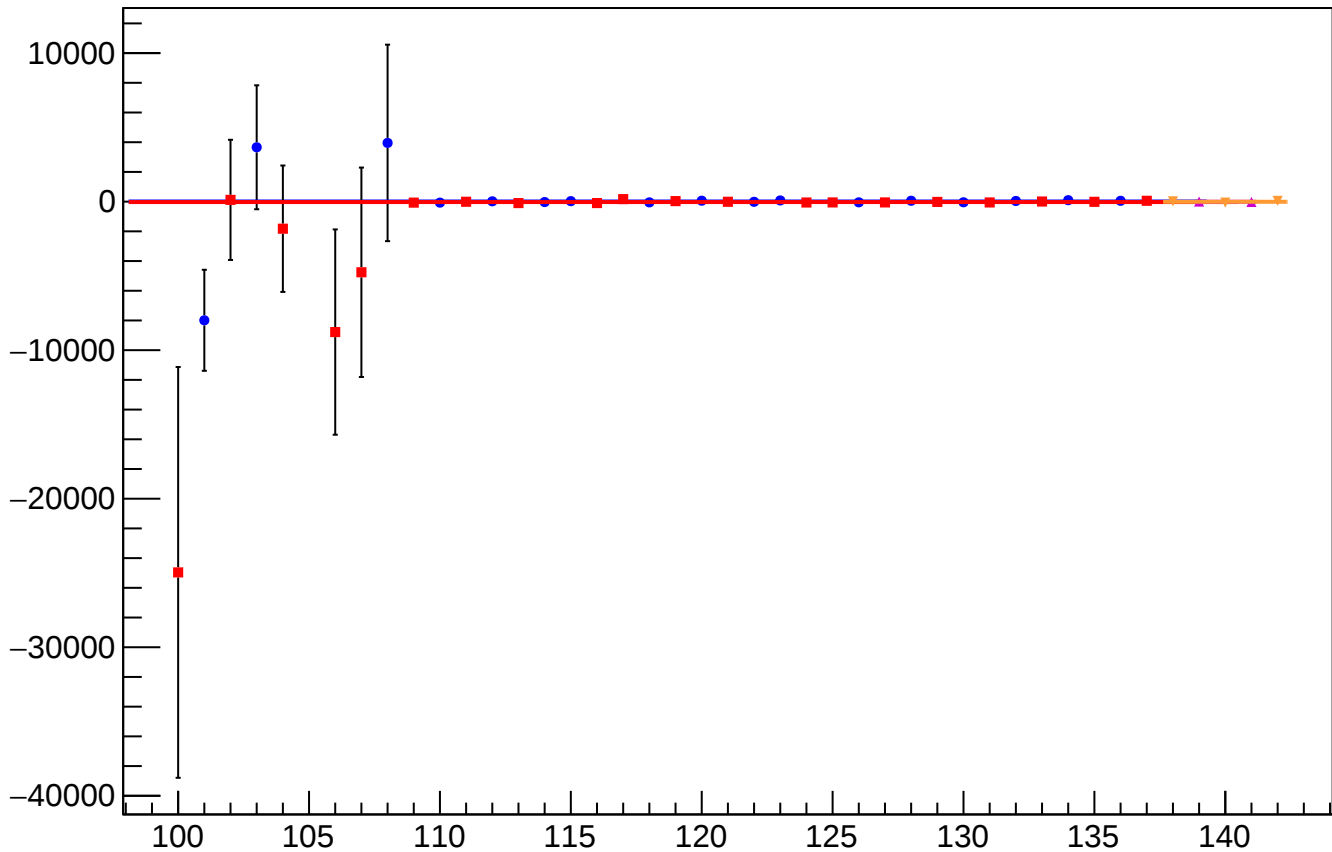
Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

Left In: 215.981+/-0.123 χ^2/NDF : 213.9/1

198.920+/-0.055 χ^2/NDF : 3667578.4/19

180.485+/-0.052 χ^2/NDF : 4323702.2/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 ± 12.368 χ^2/NDF : 23.2/16

Left Out: -9.427 ± 21.297 χ^2/NDF : 5.1/2

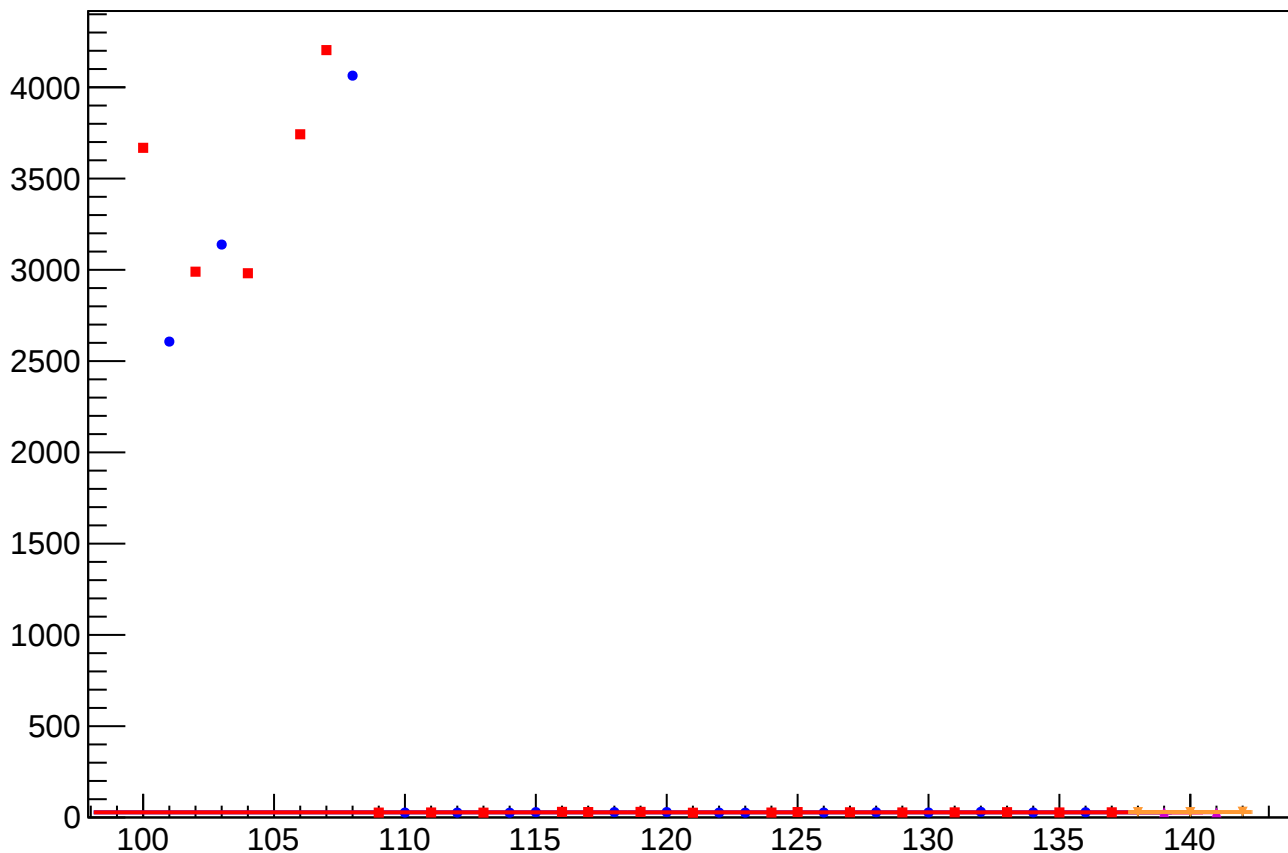
Right Out: -27.898 ± 12.287 χ^2/NDF : 18.8/19

Left In: -9.709 ± 22.942 χ^2/NDF : 0.4/1

4.054 ± 10.695 χ^2/NDF : 28.9/19

-23.844 ± 10.831 χ^2/NDF : 19.7/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044+/-0.009 χ^2 /NDF: 3027898.7/16

Left Out: 29.704+/-0.015 χ^2 /NDF:3529.1/2

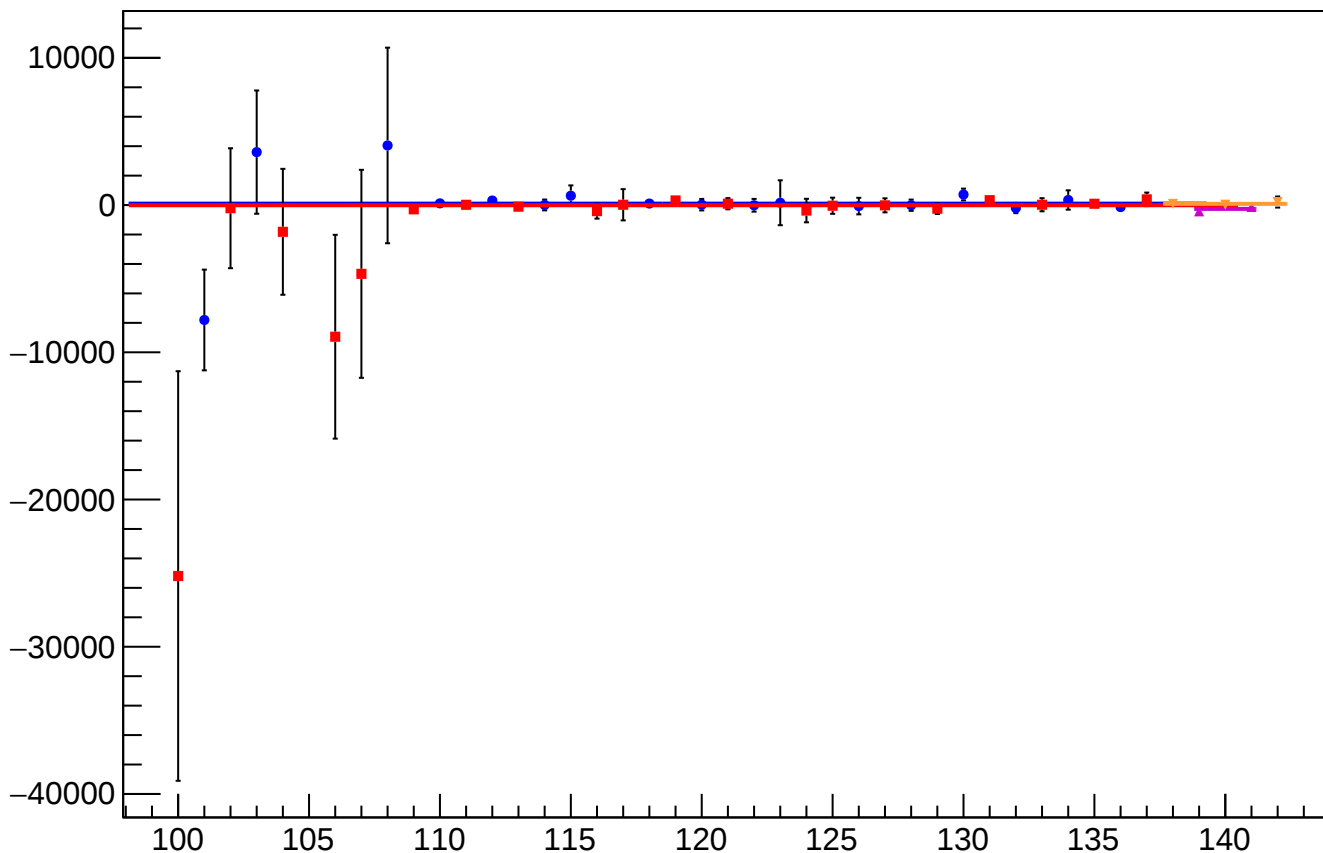
Right Out: 27.930+/-0.009 χ^2 /NDF: 3479947.6/19

Left In: 28.670+/-0.016 χ^2 /NDF:747.1/1

28.463+/-0.008 χ^2 /NDF: 3040514.9/19

28.095+/-0.008 χ^2 /NDF: 3482310.6/21

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: 83.374+/-166.656 χ^2/NDF : 0.2/2

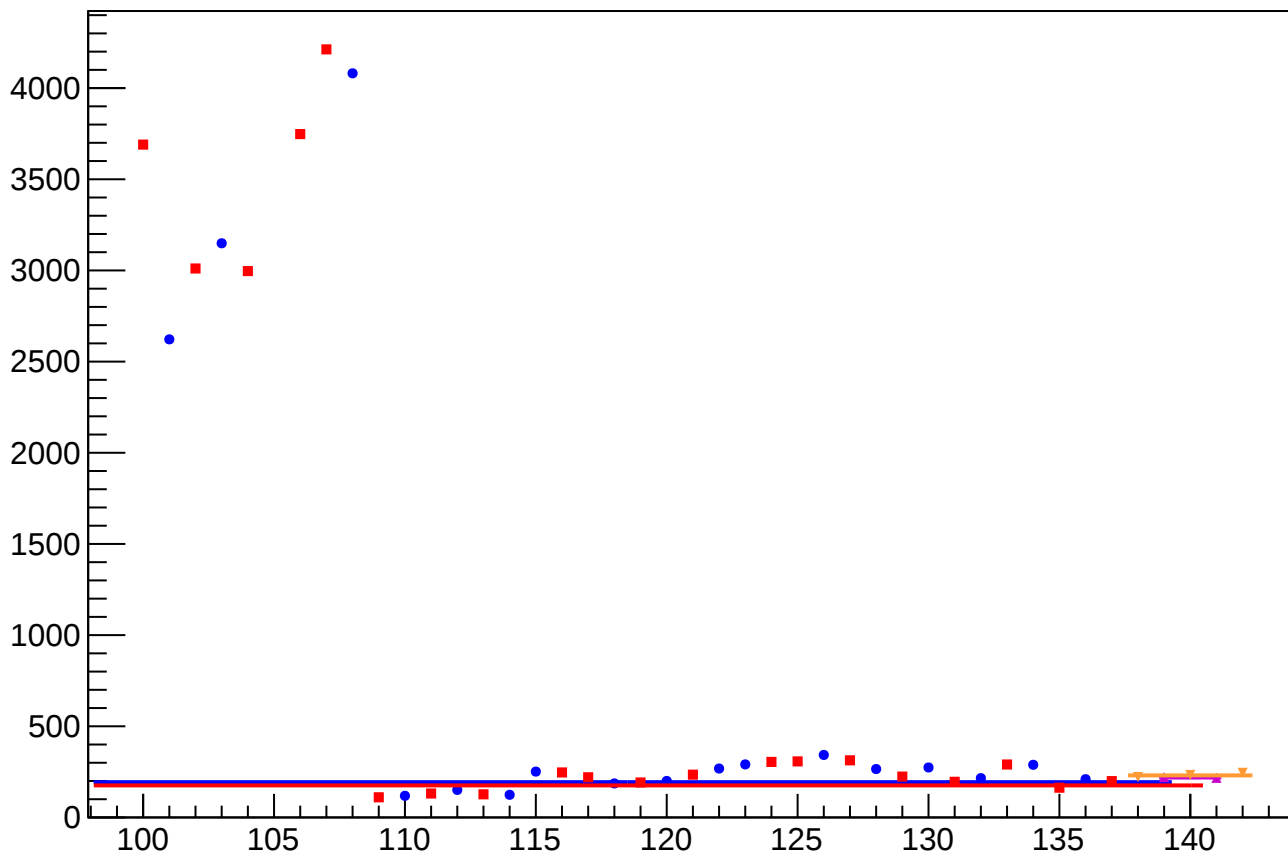
Right Out: -11.533+/-81.530 χ^2/NDF : 12.3/19

Left In: -259.203+/-176.411 χ^2/NDF : 0.7/1

94.853+/-78.646 χ^2/NDF : 12.7/19

-55.123+/-74.009 χ^2/NDF : 14.6/21

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 230.670+/-0.118 χ^2/NDF : 5336.9/2

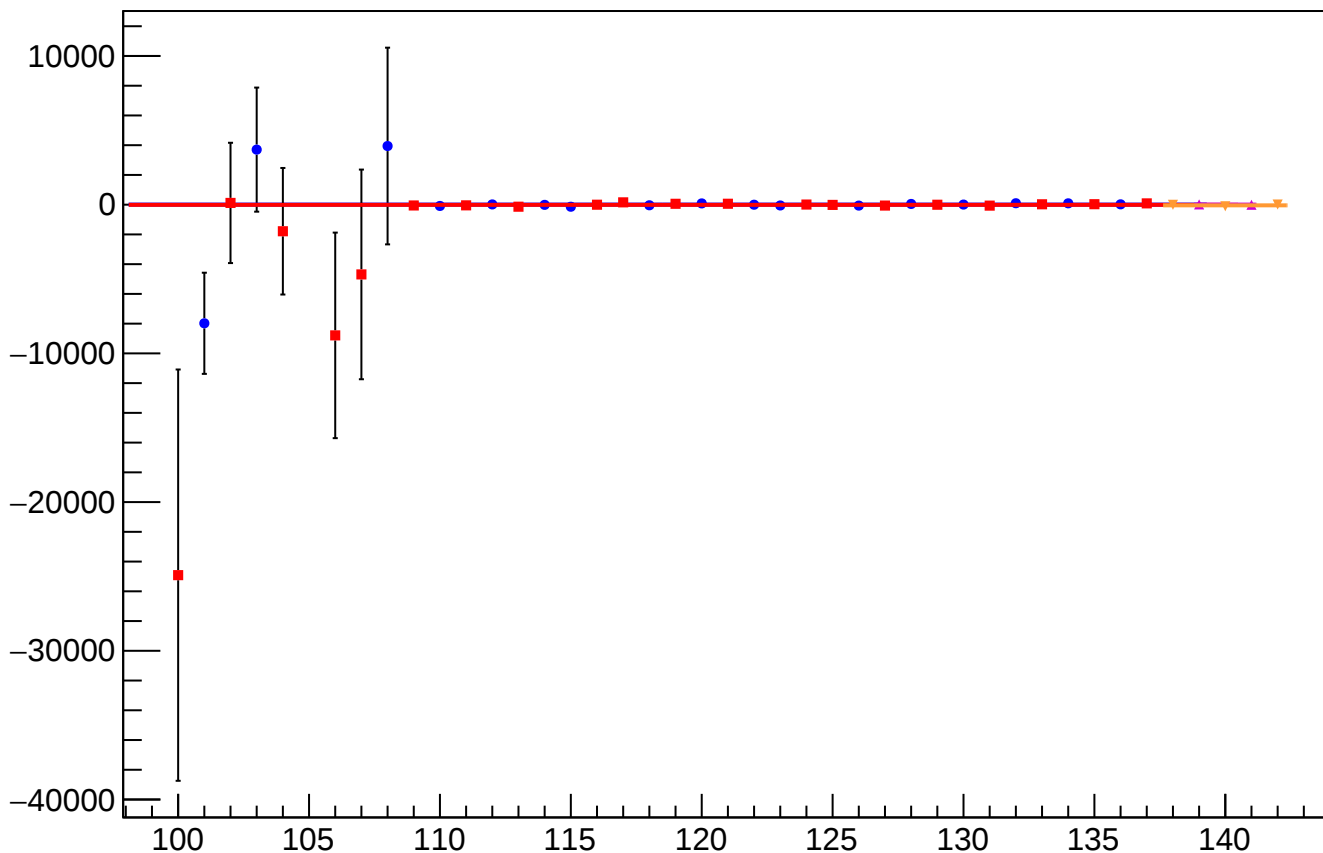
Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

Left In: 218.958+/-0.125 χ^2/NDF : 210.9/1

201.790+/-0.056 χ^2/NDF : 3619547.5/19

183.374+/-0.052 χ^2/NDF : 4268083.1/21

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

-7.219 $\pm$ 12.984 χ^2 /NDF: 27.5/19

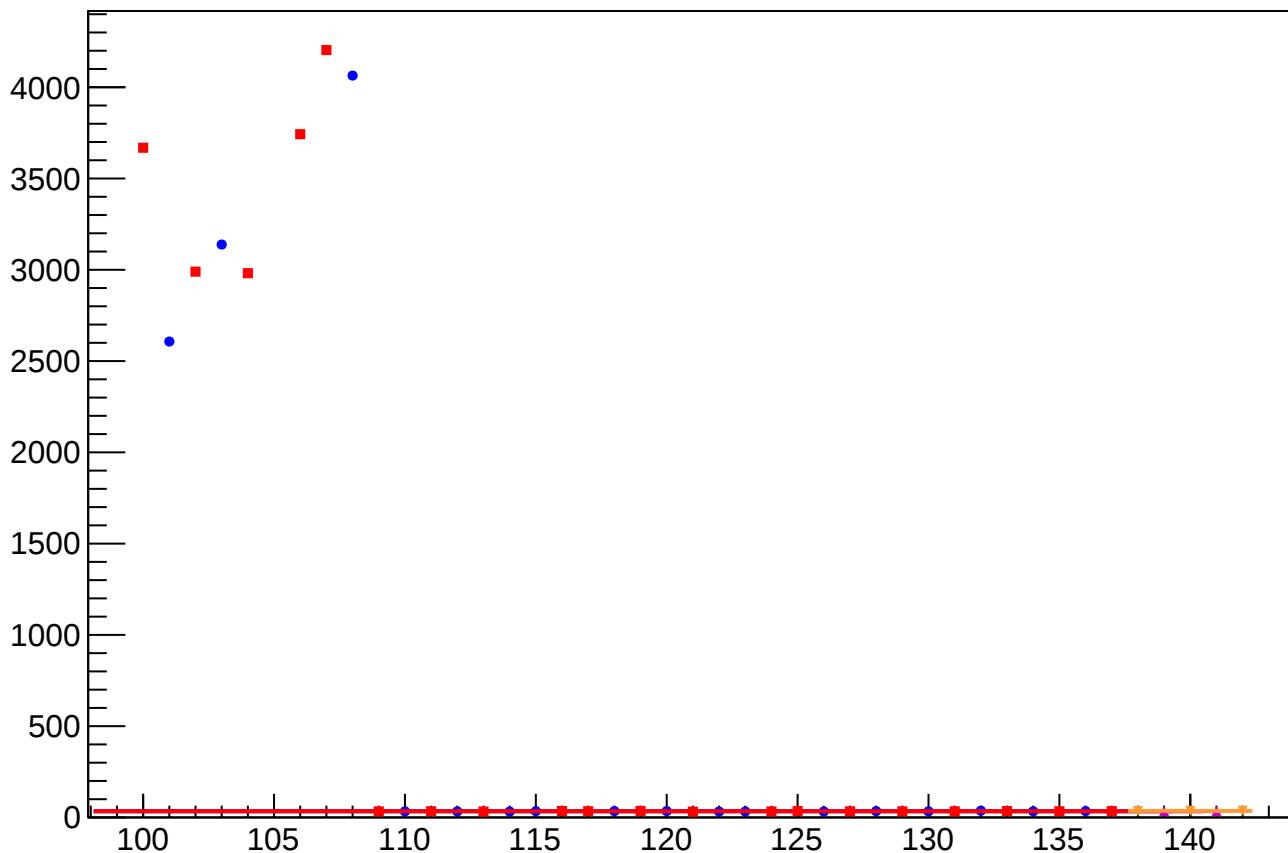
Left Out: -44.389 $\pm$ 25.666 χ^2 /NDF: 4.2/2

Right Out: -10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

-7.169 $\pm$ 13.146 χ^2 /NDF: 23.4/21

Left In: 5.572 $\pm$ 27.991 χ^2 /NDF: 0.2/1

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168+/-0.011 χ^2/NDF : 3006512.8/16

Left Out: 35.853+/-0.018 χ^2/NDF :1433.2/2

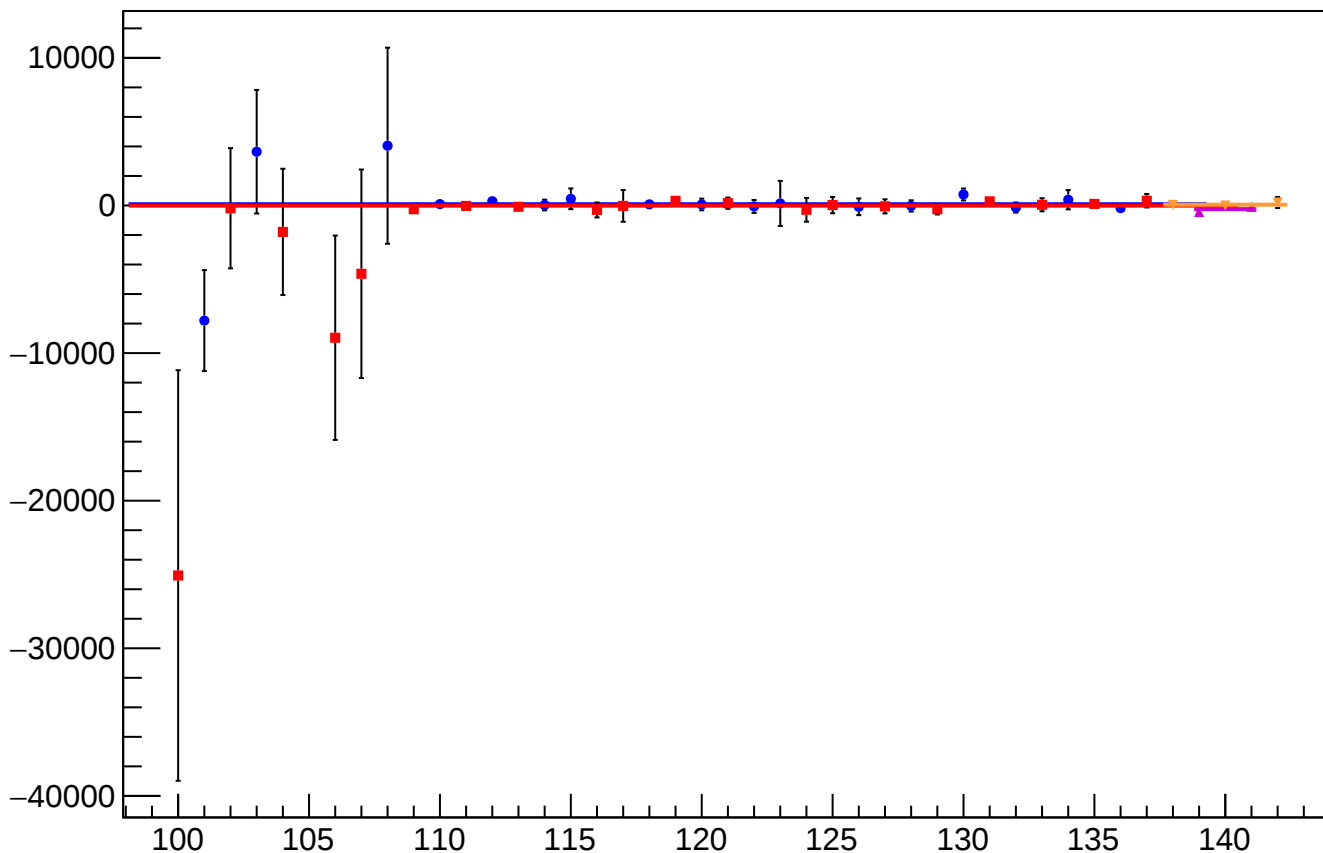
Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

Left In: 35.018+/-0.020 χ^2/NDF :308.0/1

34.599+/-0.009 χ^2/NDF : 3014365.8/19

34.159+/-0.009 χ^2/NDF : 3454645.8/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: 54.689+/-165.048 χ^2/NDF : 0.2/2

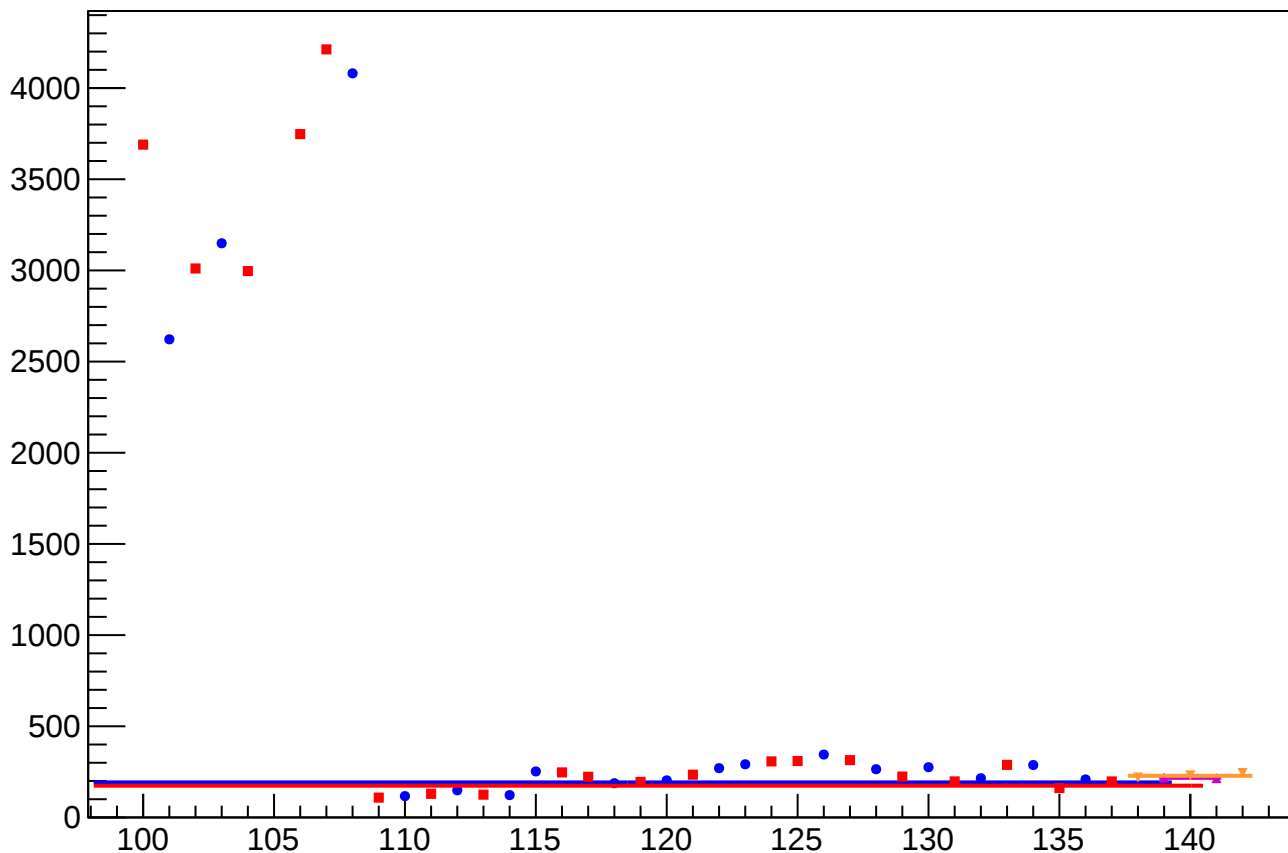
Right Out: -8.682+/-81.026 χ^2/NDF : 11.1/19

Left In: -246.790+/-175.081 χ^2/NDF : 1.0/1

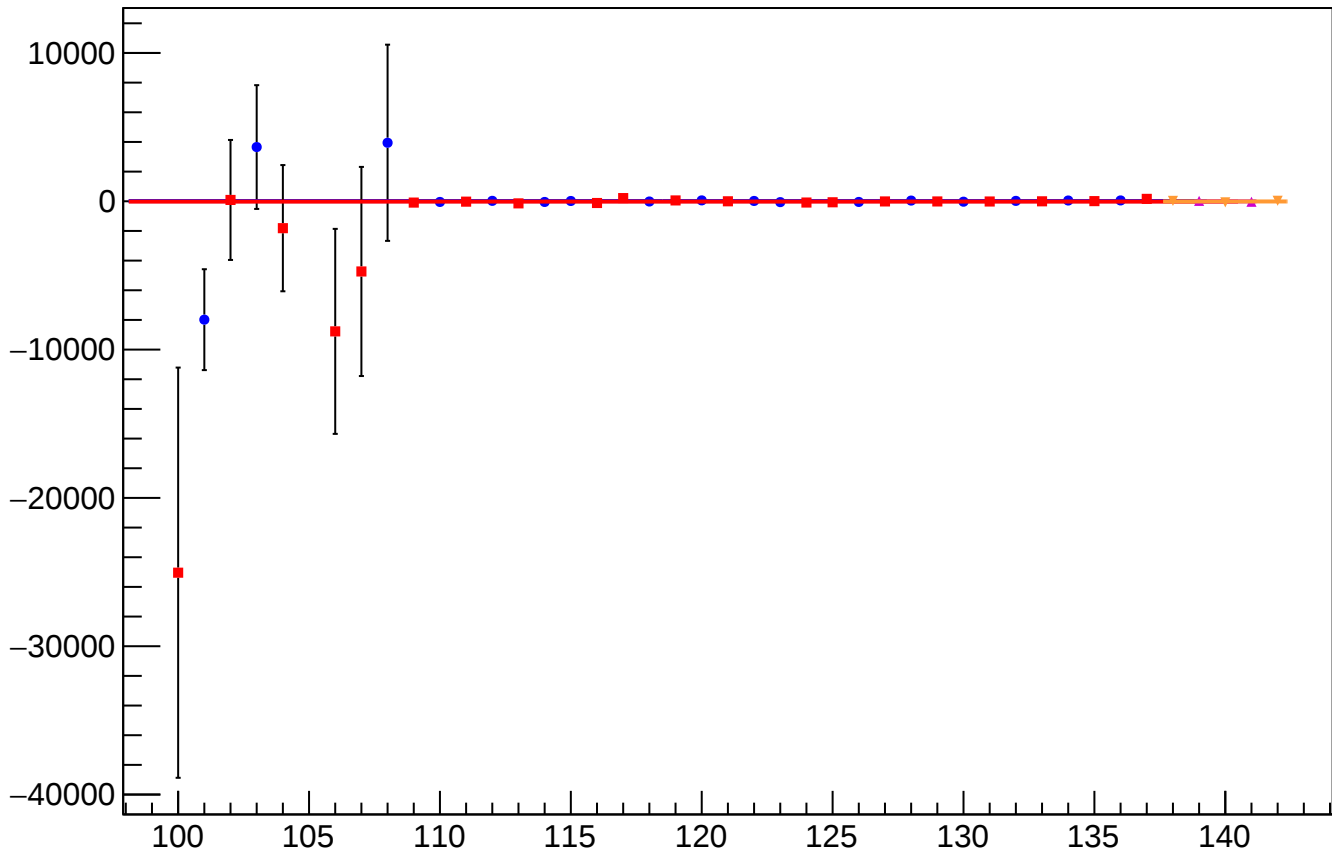
77.817+/-78.163 χ^2/NDF : 12.8/19

-50.683+/-73.533 χ^2/NDF : 13.5/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



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: -12.371+/-23.224 χ^2/NDF : 4.6/2

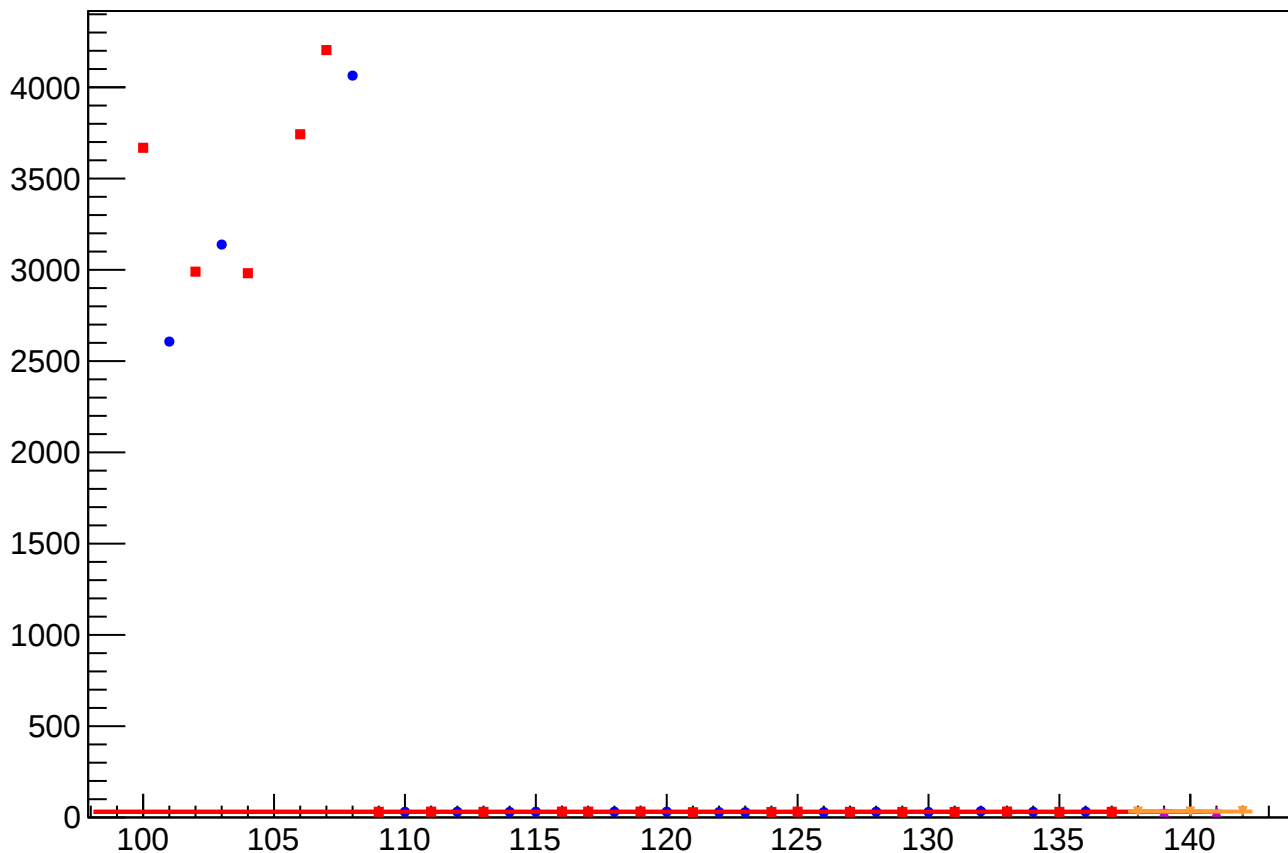
Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19

Left In: -4.990+/-25.178 χ^2/NDF : 1.4/1

6.249+/-11.815 χ^2/NDF : 20.1/19

-17.180+/-11.970 χ^2/NDF : 32.1/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 32.414+/-0.016 χ^2/NDF : 3130.3/2

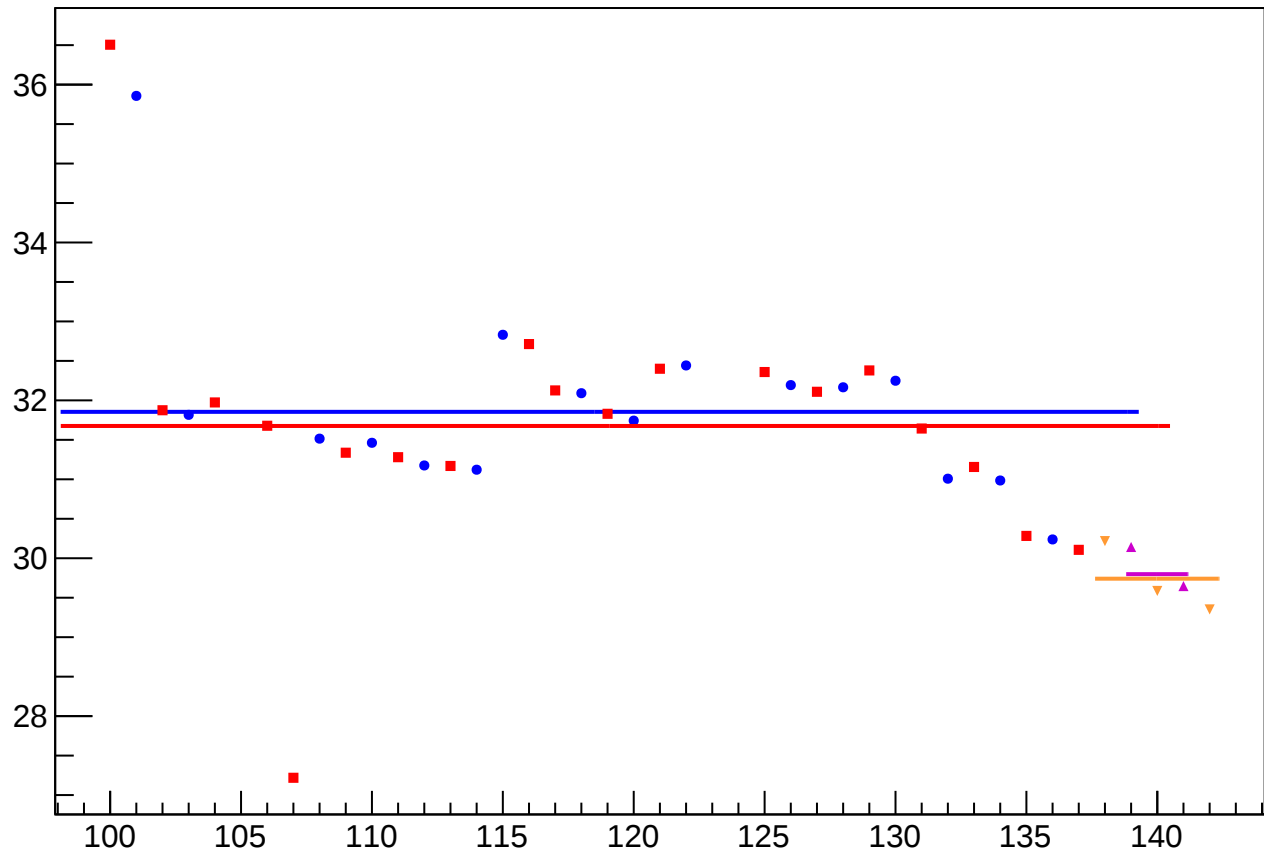
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 31.485+/-0.018 χ^2/NDF : 444.3/1

31.479+/-0.008 χ^2/NDF : 3022014.4/19

31.086+/-0.008 χ^2/NDF : 3460091.5/21

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 29.741+/-0.000 χ^2/NDF : 26860729.1/2

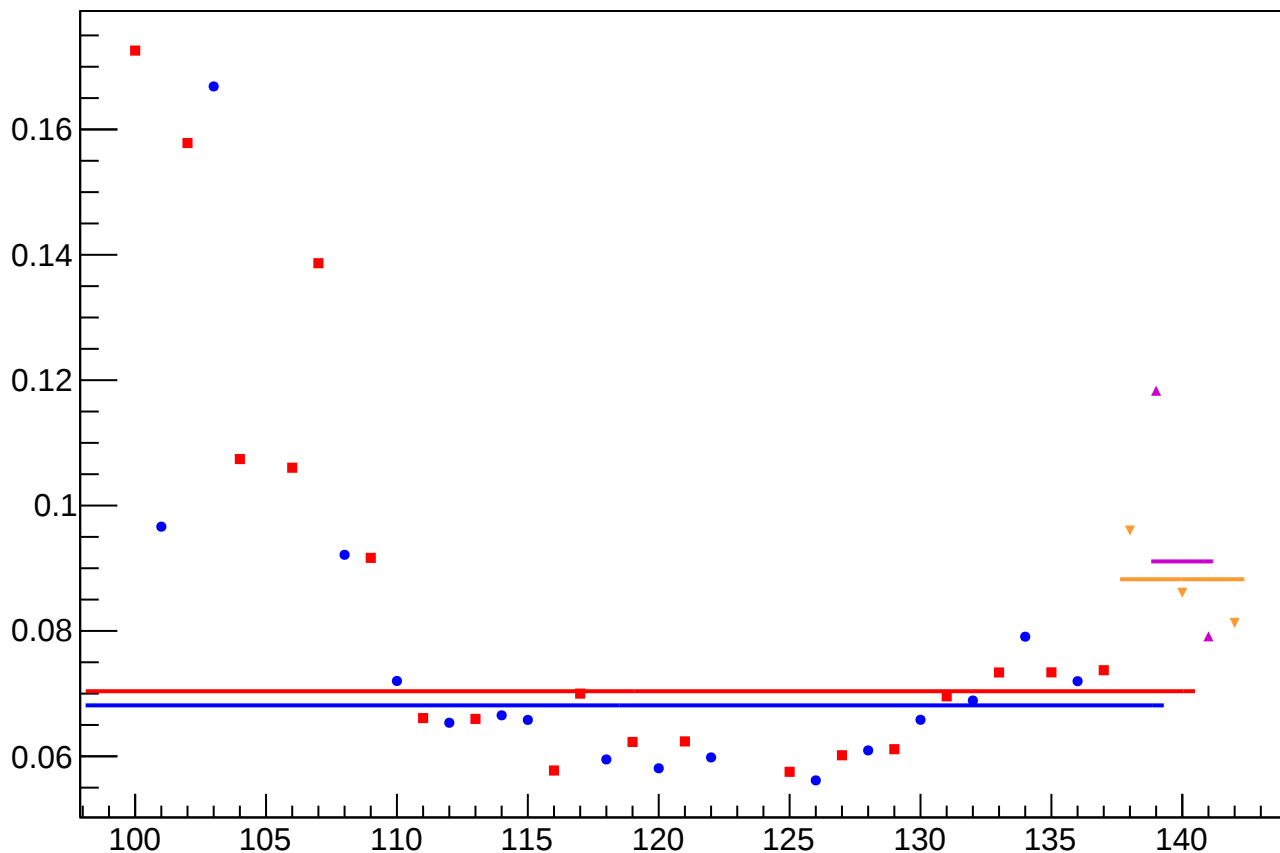
31.542+/-0.000 χ^2/NDF : 2418752253.6/18

Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

31.452+/-0.000 χ^2/NDF : 1433781619.1/20

Left In: 29.798+/-0.000 χ^2/NDF : 8477200.1/1

yield_usl_rms vs Slug



Right In: 0.068 ± 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.088 ± 0.000 χ^2/NDF : 14862.5/2

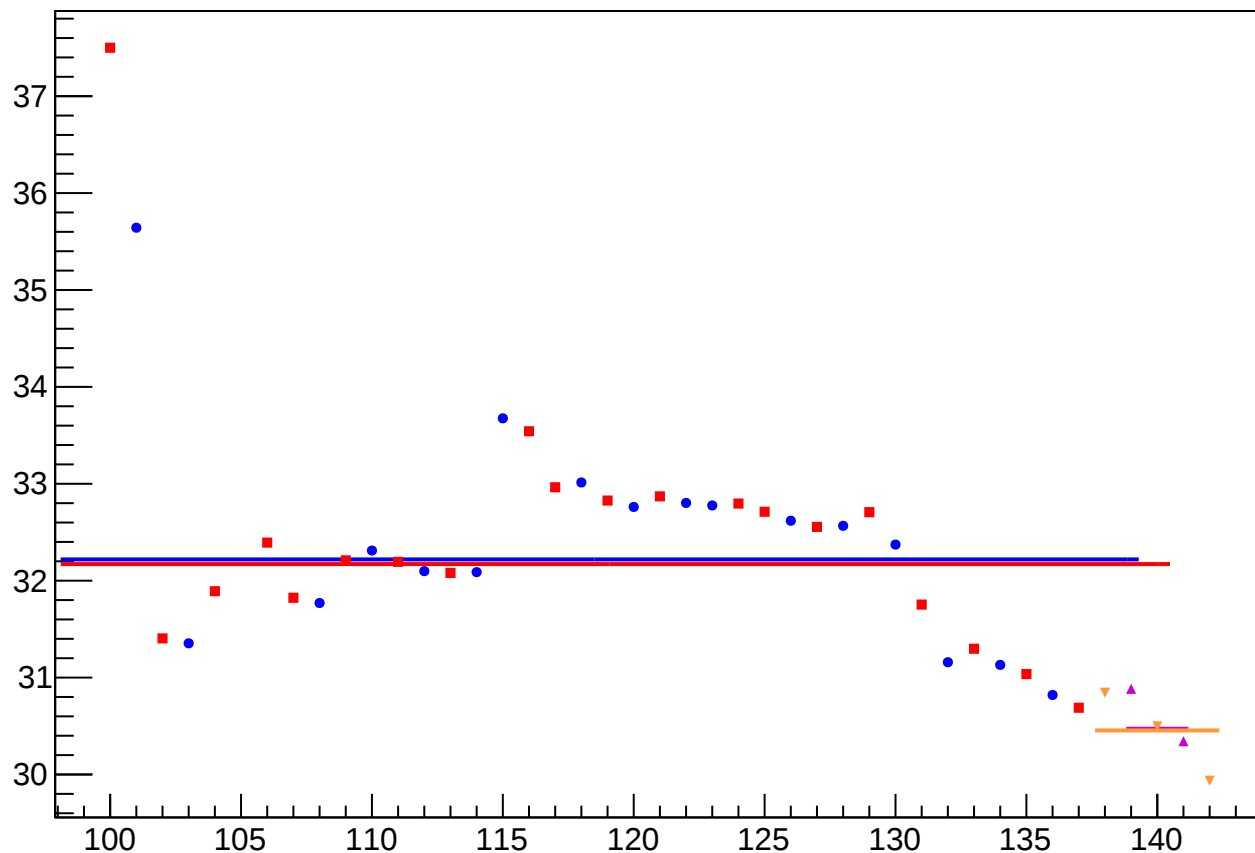
Right Out: 0.070 ± 0.000 χ^2/NDF : 841322.7/18

Left In: 0.091 ± 0.000 χ^2/NDF : 106021.7/1

0.071 ± 0.000 χ^2/NDF : 793468.8/18

0.073 ± 0.000 χ^2/NDF : 1070379.6/20

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 30.455+/-0.000 χ^2/NDF : 28701911.5/2

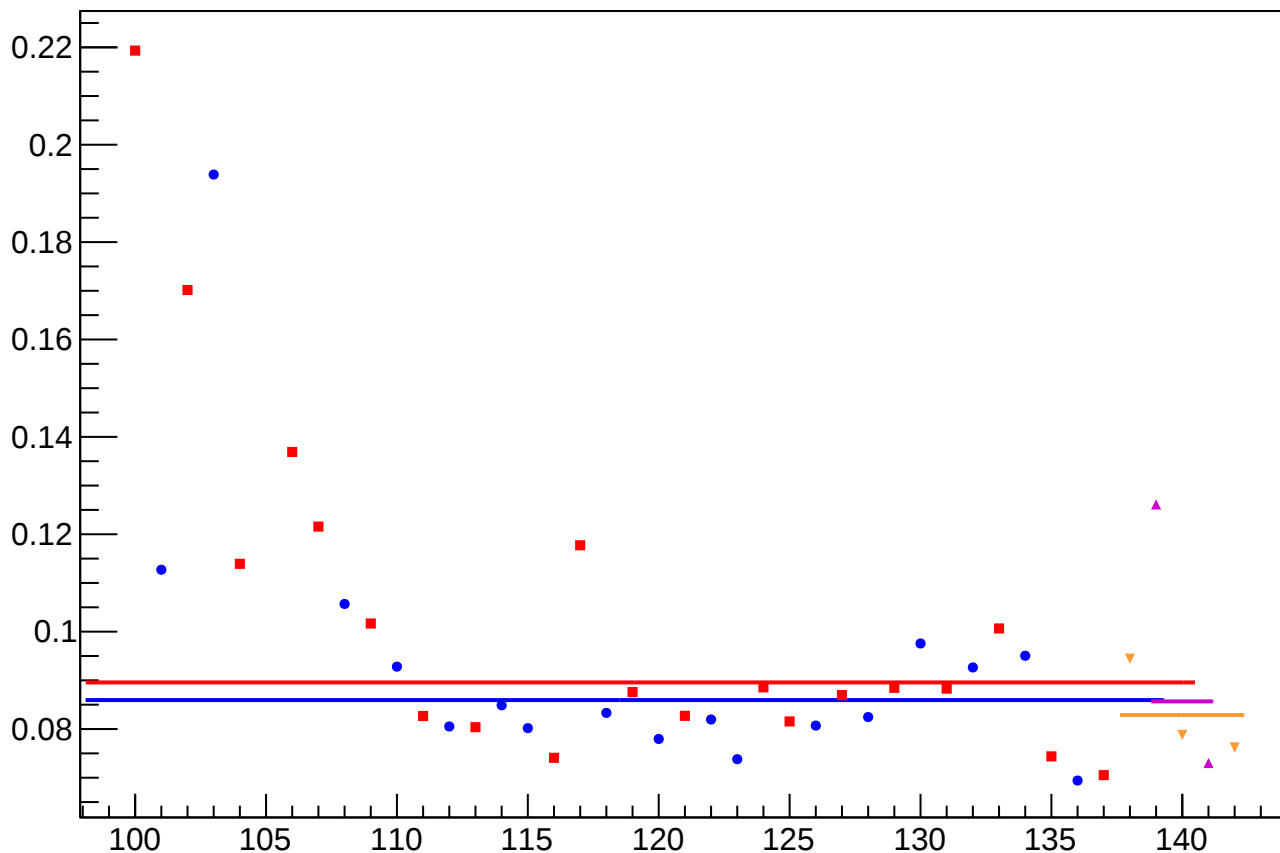
Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

Left In: 30.472+/-0.000 χ^2/NDF : 9876030.4/1

31.801+/-0.000 χ^2/NDF : 1622504924.8/19

31.841+/-0.000 χ^2/NDF : 886592864.7/21

yield_usr_rms vs Slug



Right In: 0.086 ± 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.083 ± 0.000 χ^2/NDF : 29033.4/2

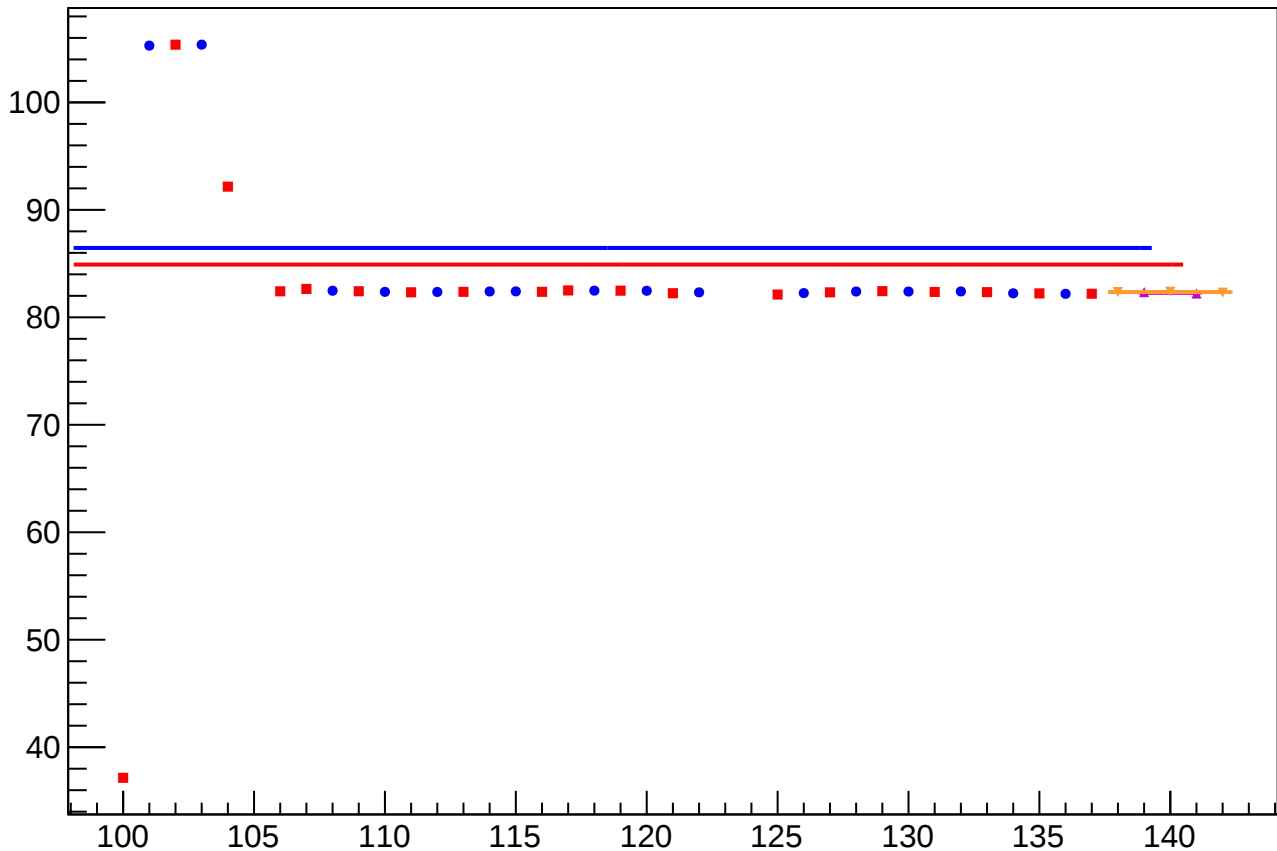
Right Out: 0.090 ± 0.000 χ^2/NDF : 544516.7/19

Left In: 0.086 ± 0.000 χ^2/NDF : 190335.0/1

0.085 ± 0.000 χ^2/NDF : 585835.9/19

0.089 ± 0.000 χ^2/NDF : 739392.3/21

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.351+/-0.000 χ^2/NDF : 1041607.6/2

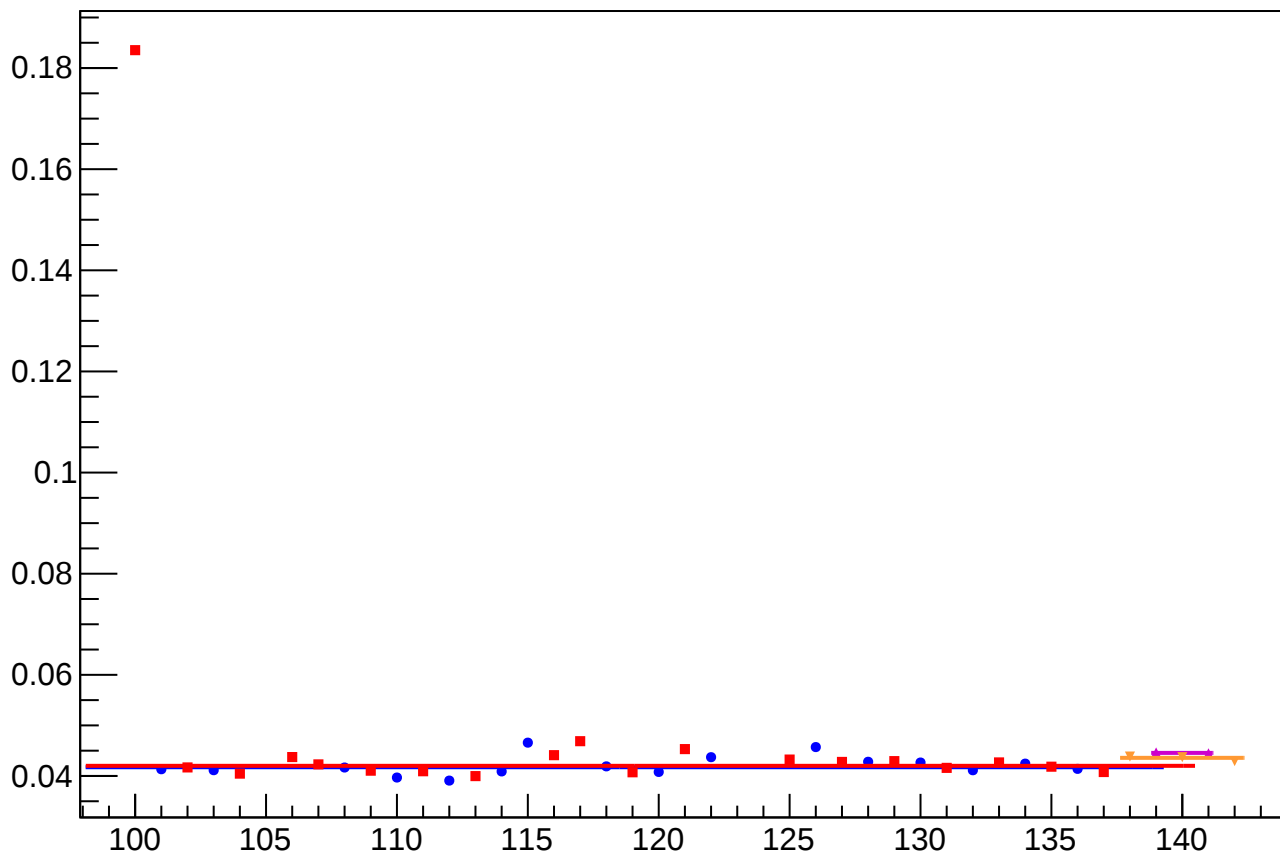
Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

Left In: 82.276+/-0.000 χ^2/NDF : 3191031.4/1

85.582+/-0.000 χ^2/NDF : 304957992054.6/18

84.472+/-0.000 χ^2/NDF : 176807824783.3/20

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.044+/-0.000 χ^2/NDF : 254.4/2

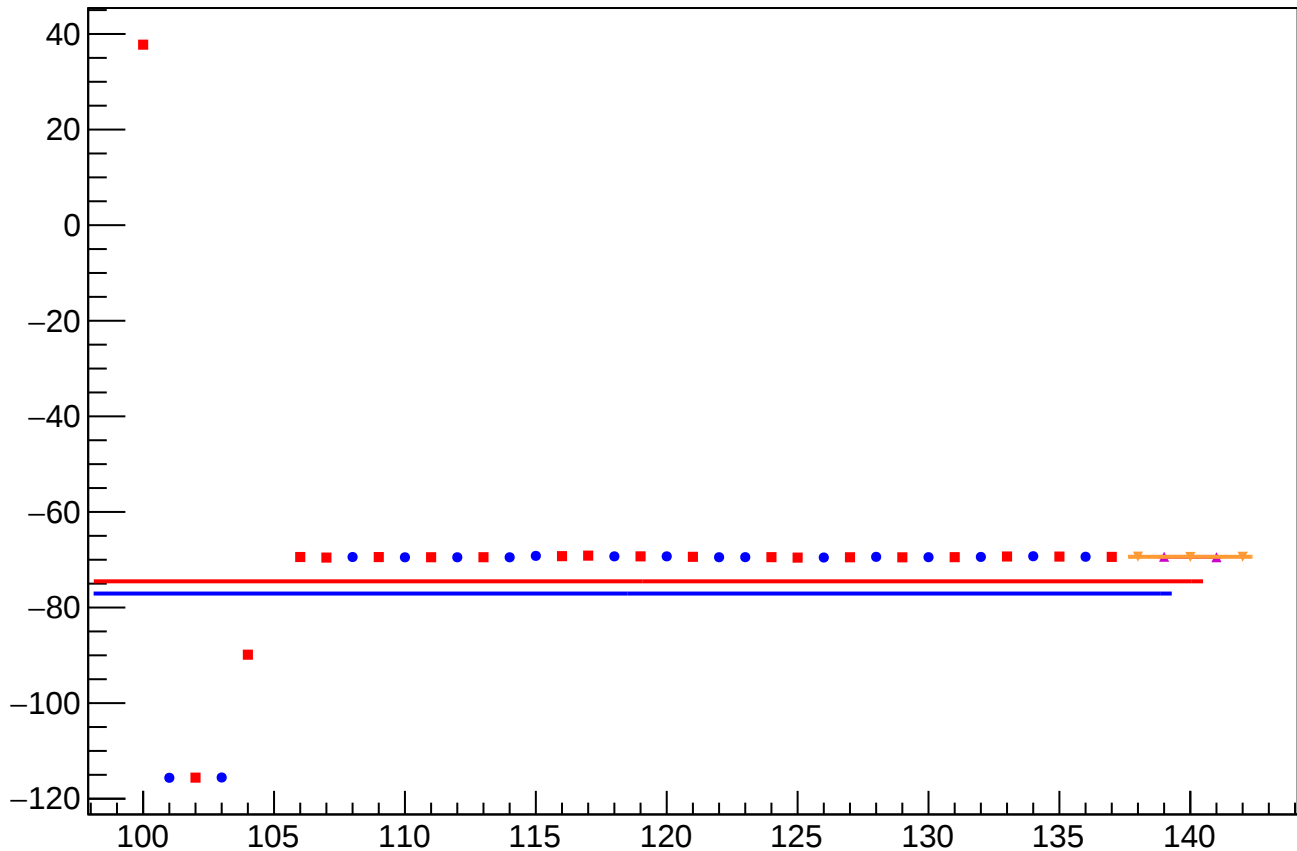
Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

Left In: 0.045+/-0.000 χ^2/NDF : 11.2/1

0.042+/-0.000 χ^2/NDF : 24668.6/18

0.042+/-0.000 χ^2/NDF : 106290.8/20

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.387+/-0.000 χ^2/NDF : 567346.2/2

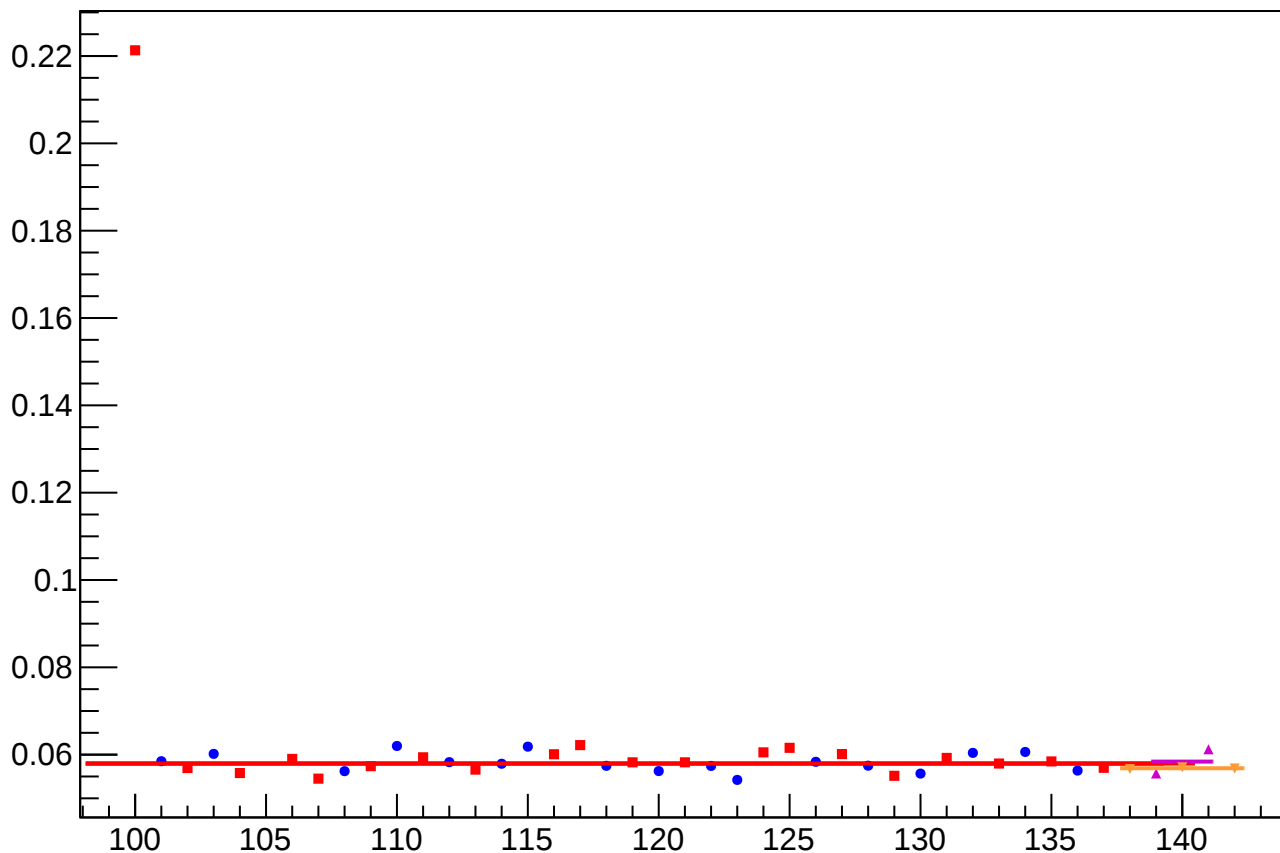
Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

Left In: -69.418+/-0.000 χ^2/NDF : 1164202.1/1

-75.271+/-0.000 χ^2/NDF : 591926839240.0/19

-73.611+/-0.000 χ^2/NDF : 381706850107.4/21

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.057+/-0.000 χ^2/NDF : 38.6/2

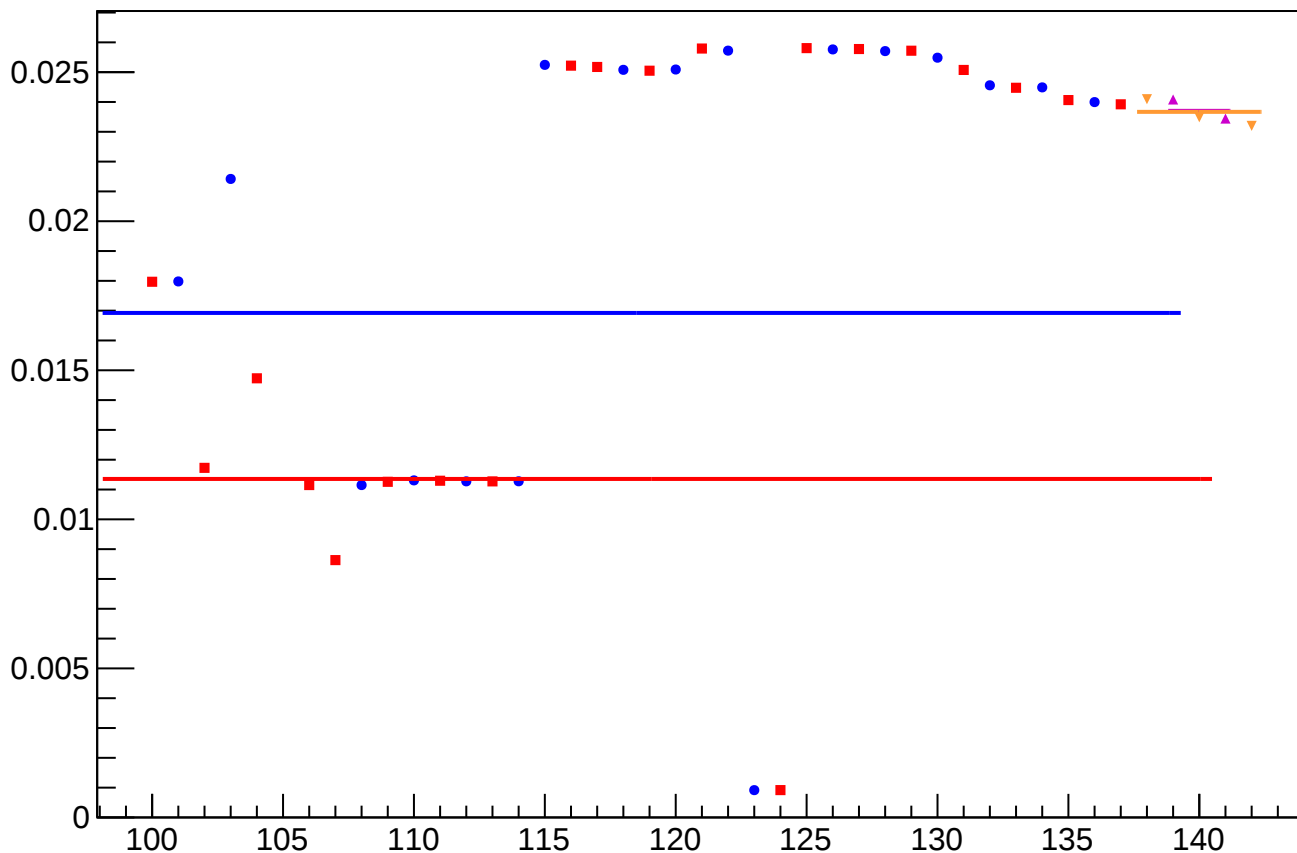
Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

Left In: 0.058+/-0.000 χ^2/NDF : 6810.3/1

0.058+/-0.000 χ^2/NDF : 13373.4/19

0.058+/-0.000 χ^2/NDF : 93815.4/21

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF:38788282.8/2

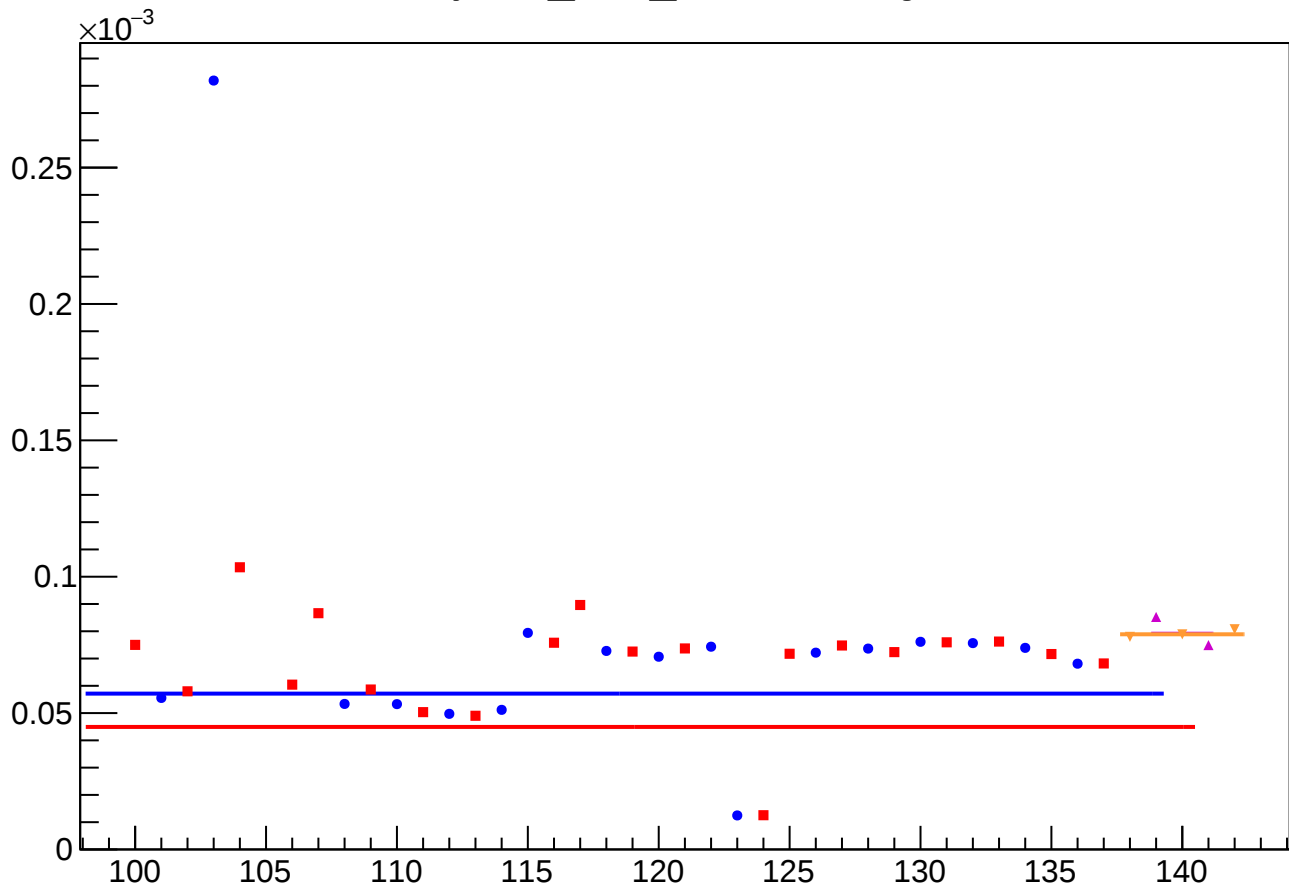
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF:23844343.3/1

0.018 $\pm$ 0.000 χ^2 /NDF: 137944158804.1/19

0.012 $\pm$ 0.000 χ^2 /NDF: 269265294965.0/21

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 637.3/2

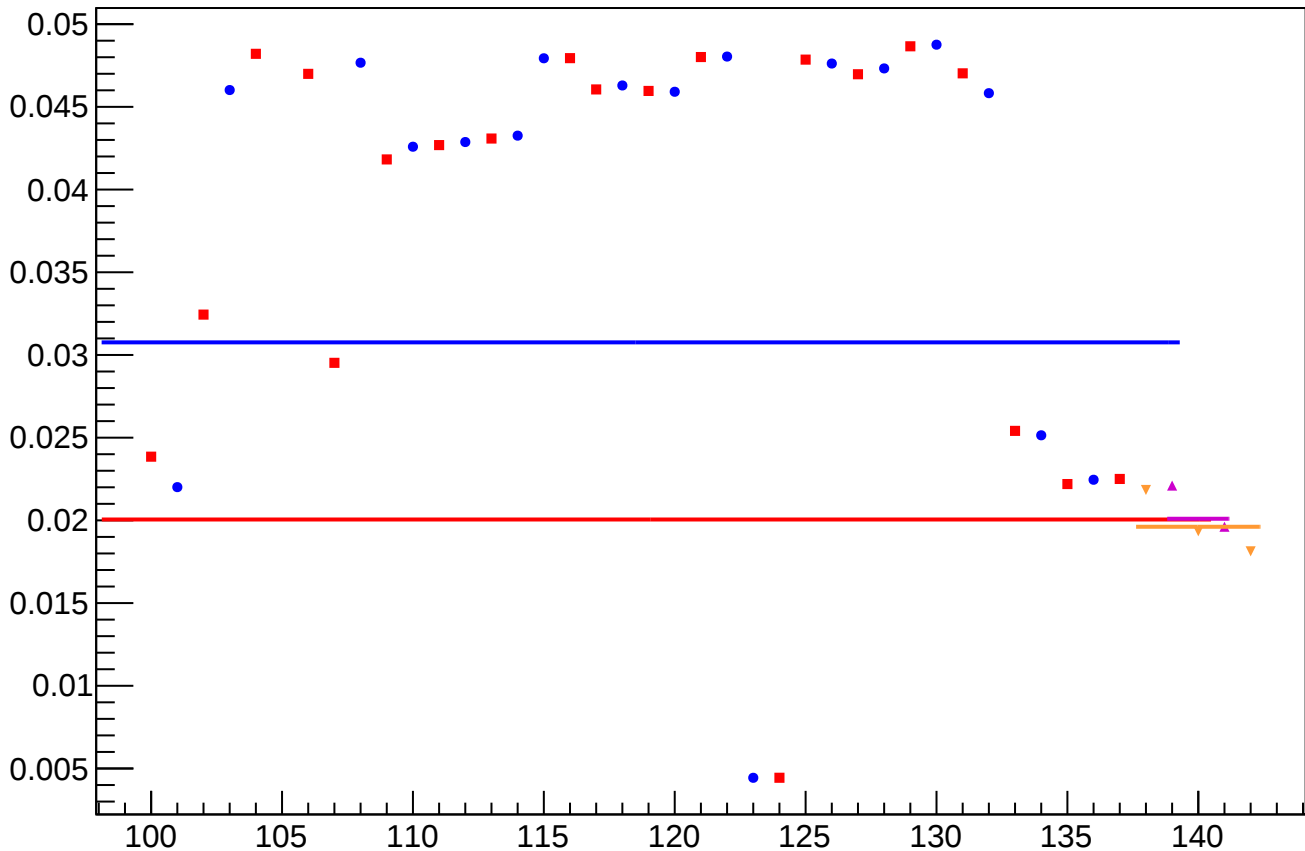
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF : 12405.0/1

0.000+/-0.000 χ^2/NDF : 2239413.8/19

0.000+/-0.000 χ^2/NDF : 4138607.0/21

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.020+/-0.000 χ^2/NDF : 45590316.0/2

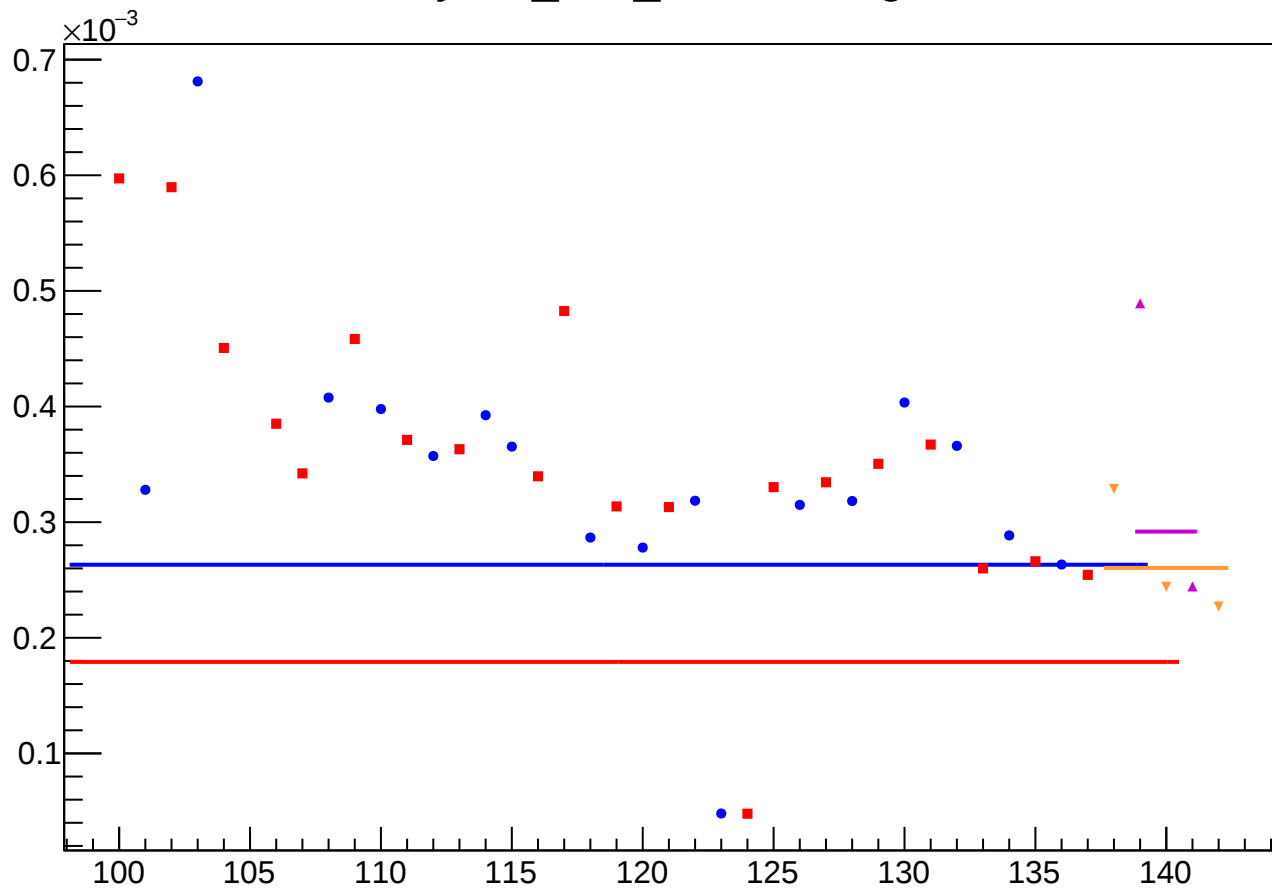
0.028+/-0.000 χ^2/NDF : 23421531568.8/19

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

0.020+/-0.000 χ^2/NDF : 40148335307.1/21

Left In: 0.020+/-0.000 χ^2/NDF : 14623364.8/1

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 : 76850.9/2

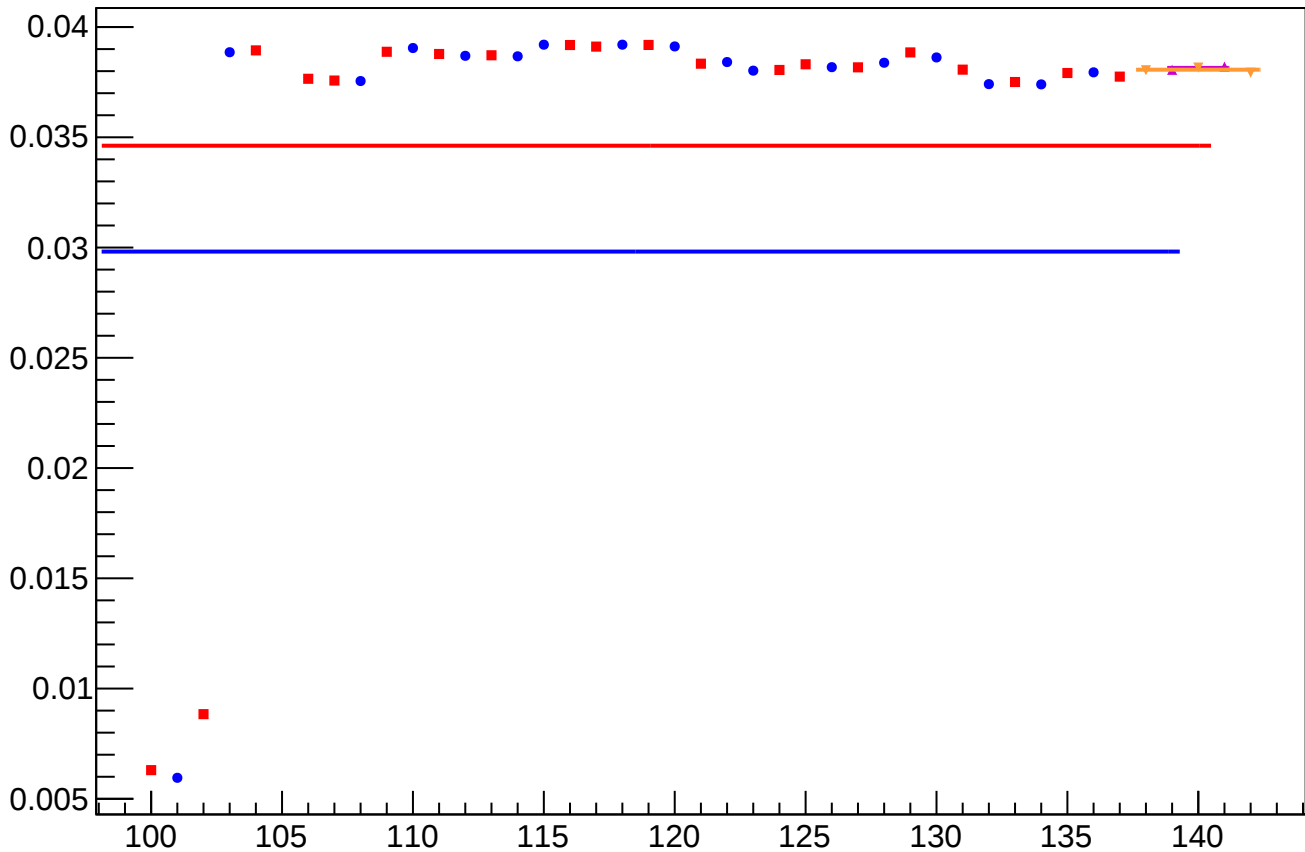
Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF : 283401.6/1

0.000+/-0.000 χ^2/NDF : 2478165.8/19

0.000+/-0.000 χ^2/NDF : 5998177.9/21

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.038+/-0.000 χ^2/NDF : 708375.5/2

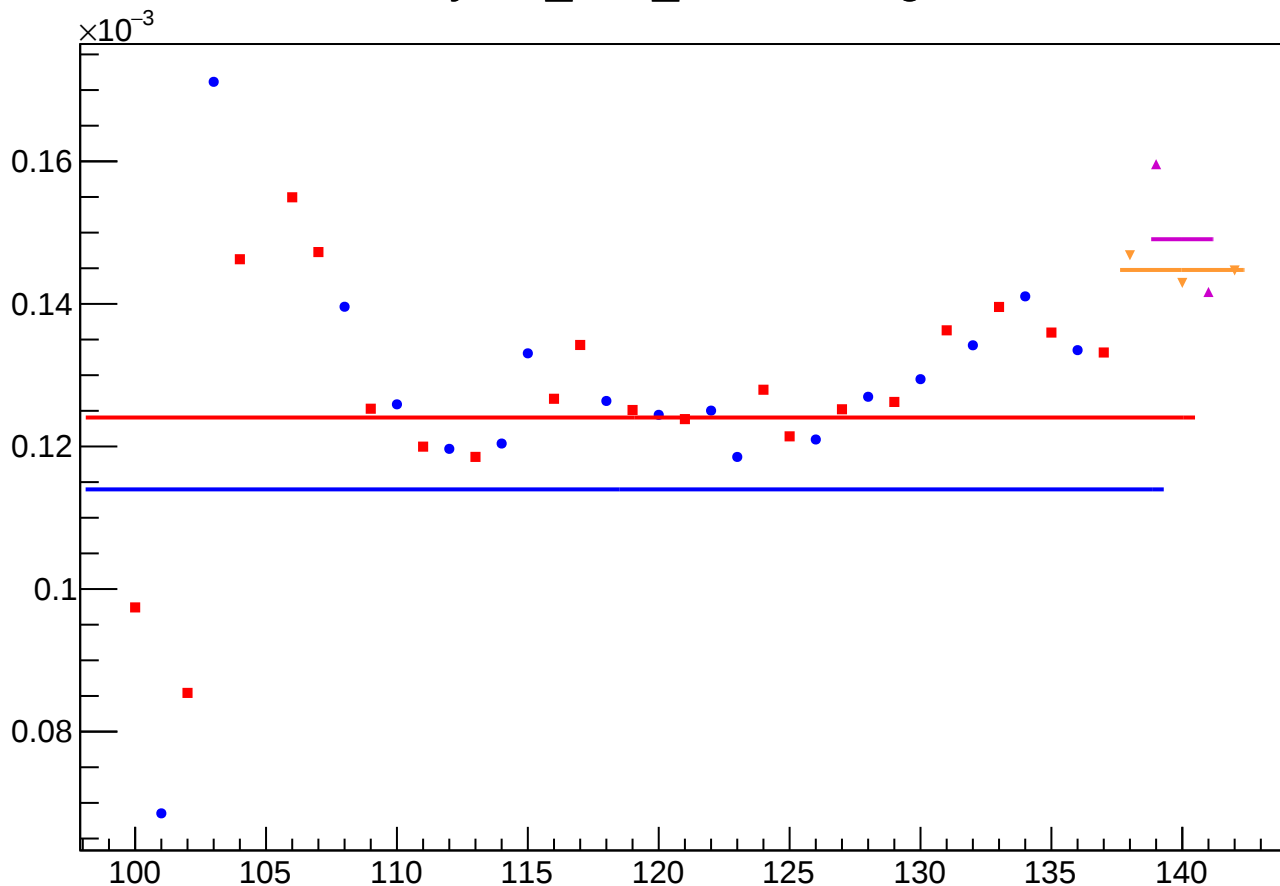
0.031+/-0.000 χ^2/NDF : 102244835622.5/19

Right Out: 0.035+/-0.000 χ^2/NDF : 43717644957.2/19

0.035+/-0.000 χ^2/NDF : 44448970627.2/21

Left In: 0.038+/-0.000 χ^2/NDF : 345217.6/1

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 794542.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:524.1/2

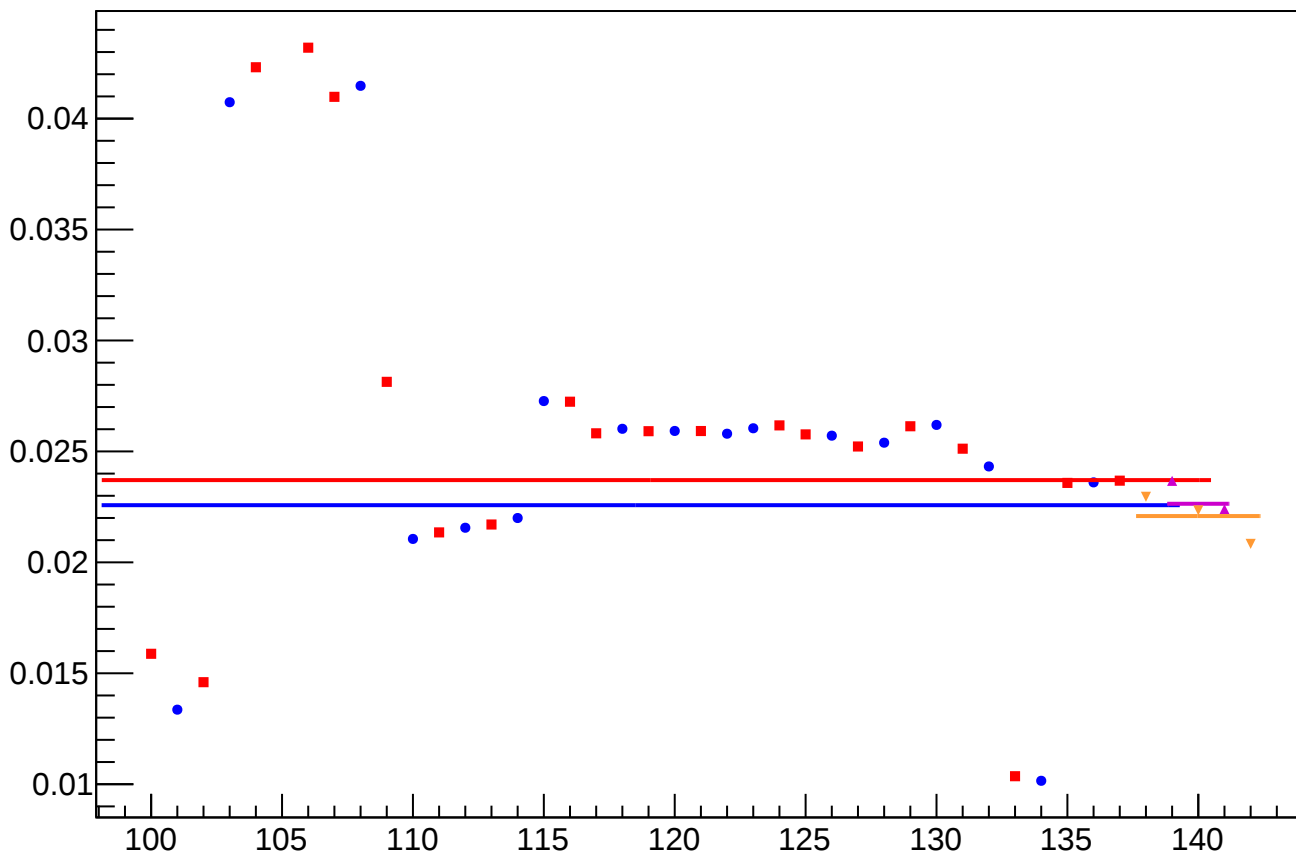
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245649.5/19

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:10580.0/1

0.000 $\pm$ 0.000 χ^2 /NDF: 936874.3/19

0.000 $\pm$ 0.000 χ^2 /NDF: 329715.7/21

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.022+/-0.000 χ^2/NDF :17657016.5/2

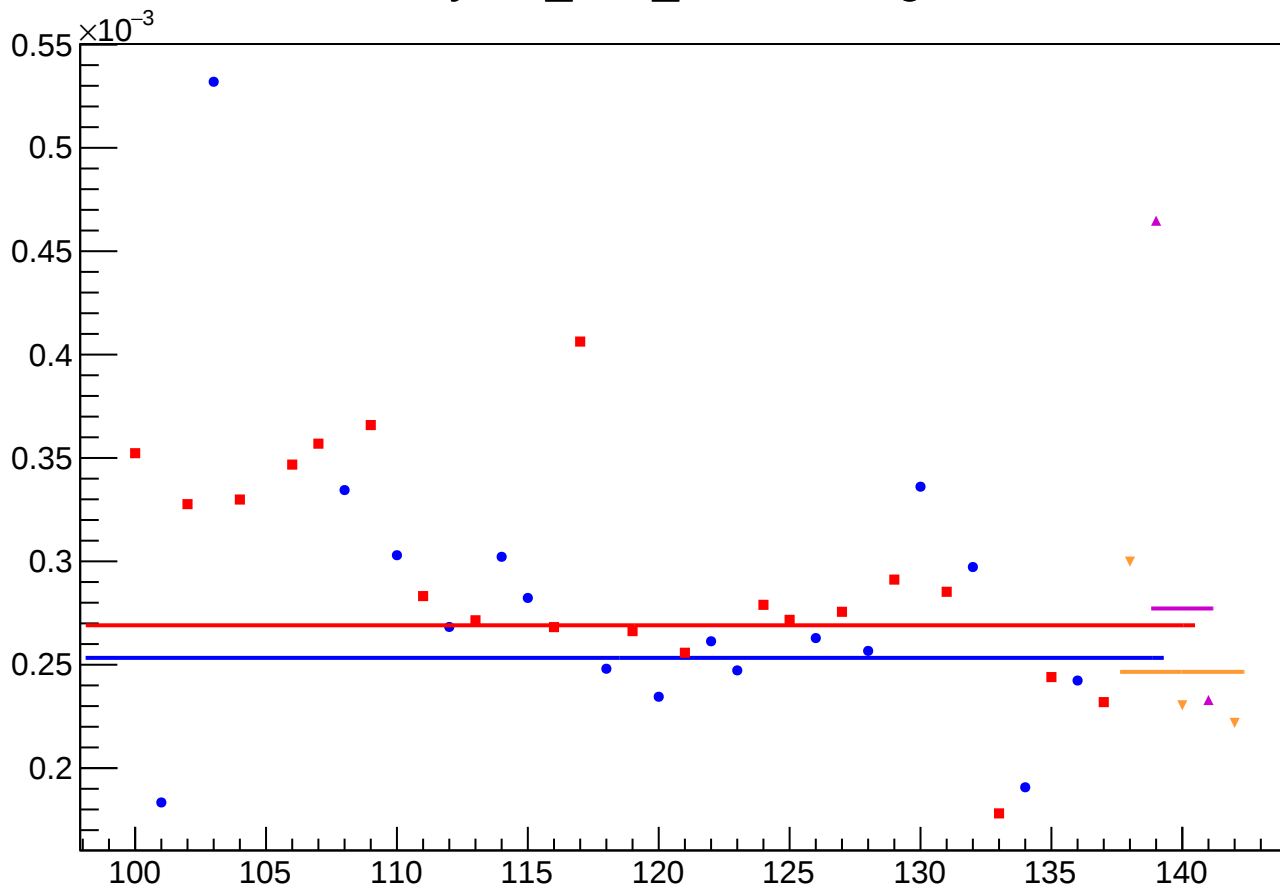
0.022+/-0.000 χ^2/NDF : 4270335980.8/19

Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

0.024+/-0.000 χ^2/NDF : 5672923166.1/21

Left In: 0.023+/-0.000 χ^2/NDF :4283442.5/1

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 :55254.3/2

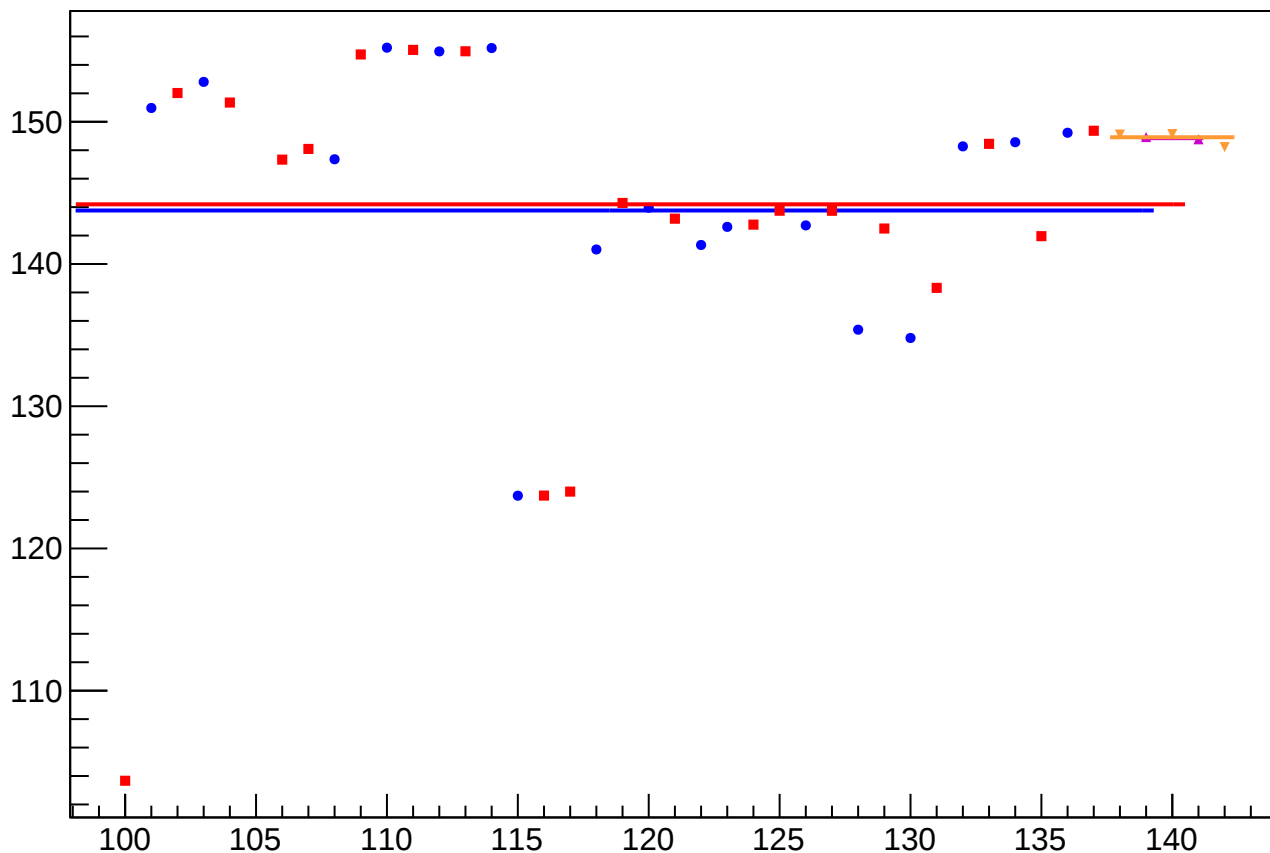
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF :282247.3/1

0.000+/-0.000 χ^2/NDF : 686282.3/19

0.000+/-0.000 χ^2/NDF : 721832.9/21

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 ± 0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.912 ± 0.000 χ^2/NDF : 2835041.6/2

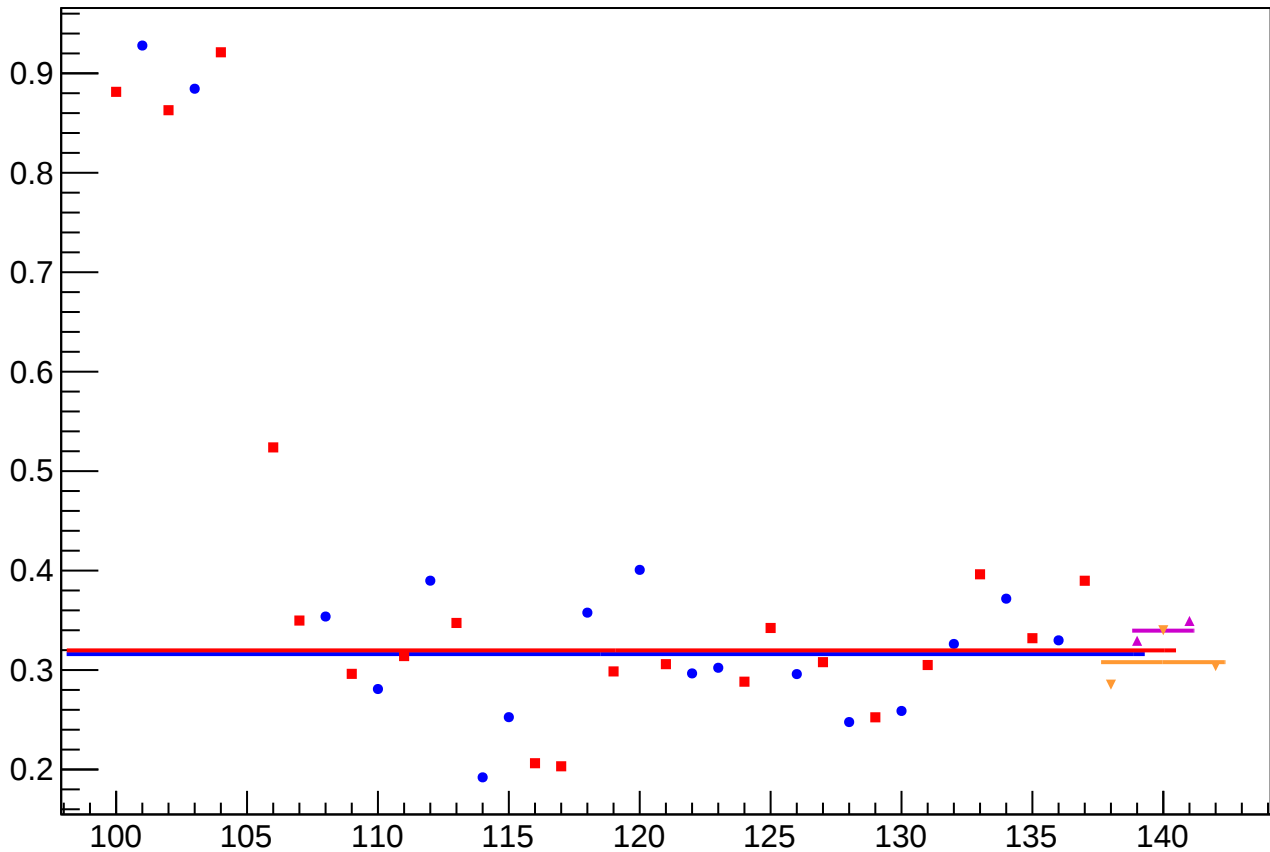
Right Out: 144.197 ± 0.000 χ^2/NDF : 4523139755.0/19

Left In: 148.847 ± 0.000 χ^2/NDF : 79816.1/1

145.128 ± 0.000 χ^2/NDF : 3928381669.3/19

145.065 ± 0.000 χ^2/NDF : 4755442015.6/21

yield_bcm_an_ds_rms vs Slug



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.308+/-0.000 χ^2/NDF : 22988.8/2

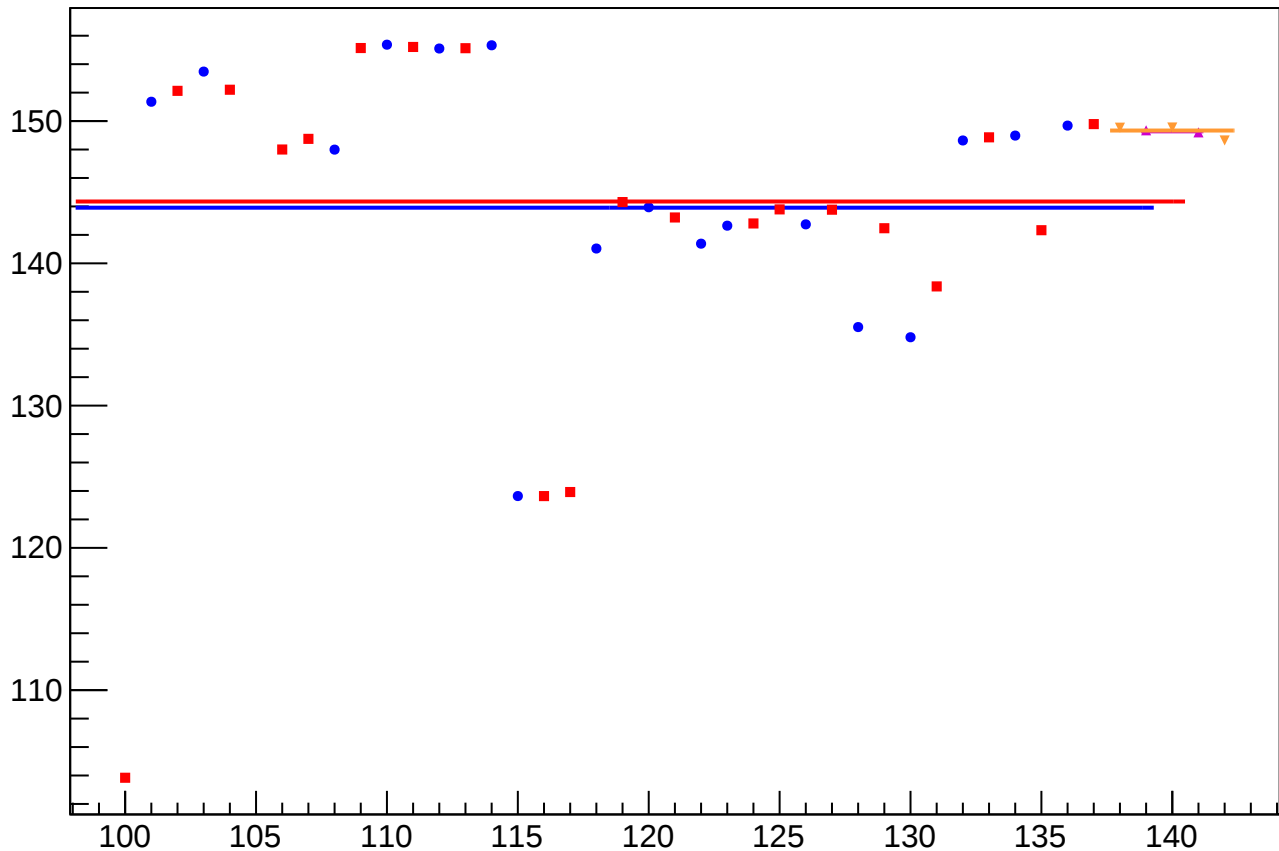
Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

Left In: 0.340+/-0.000 χ^2/NDF : 2617.8/1

0.314+/-0.000 χ^2/NDF : 1290845.1/19

0.323+/-0.000 χ^2/NDF : 1252829.4/21

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 ± 0.000 χ^2/NDF : 3587769790.2/16

Left Out: 149.335 ± 0.000 χ^2/NDF : 2832143.4/2

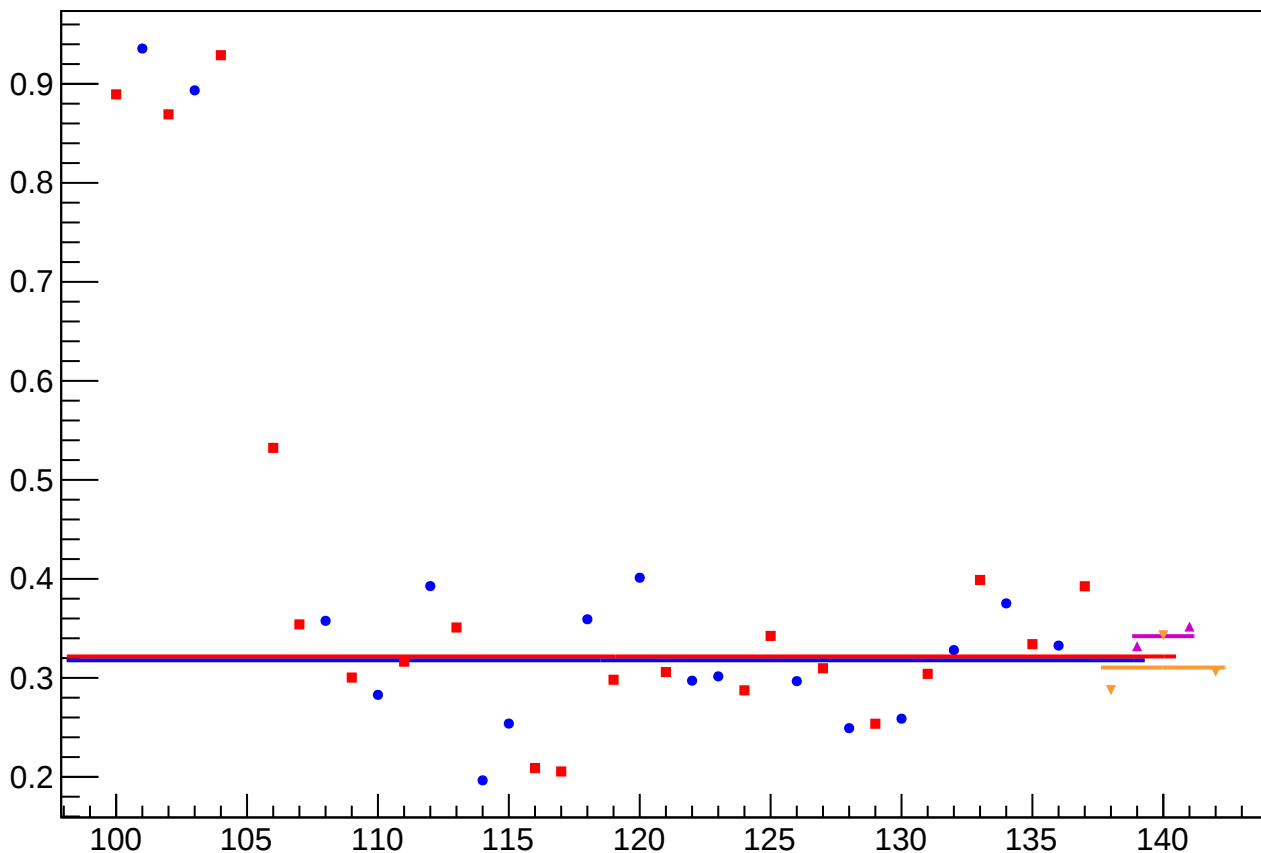
Right Out: 144.347 ± 0.000 χ^2/NDF : 4550581147.9/19

Left In: 149.277 ± 0.000 χ^2/NDF : 68099.9/1

145.344 ± 0.000 χ^2/NDF : 4017650426.2/19

145.265 ± 0.000 χ^2/NDF : 4807973091.6/21

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.310+/-0.000 χ^2/NDF : 23220.9/2

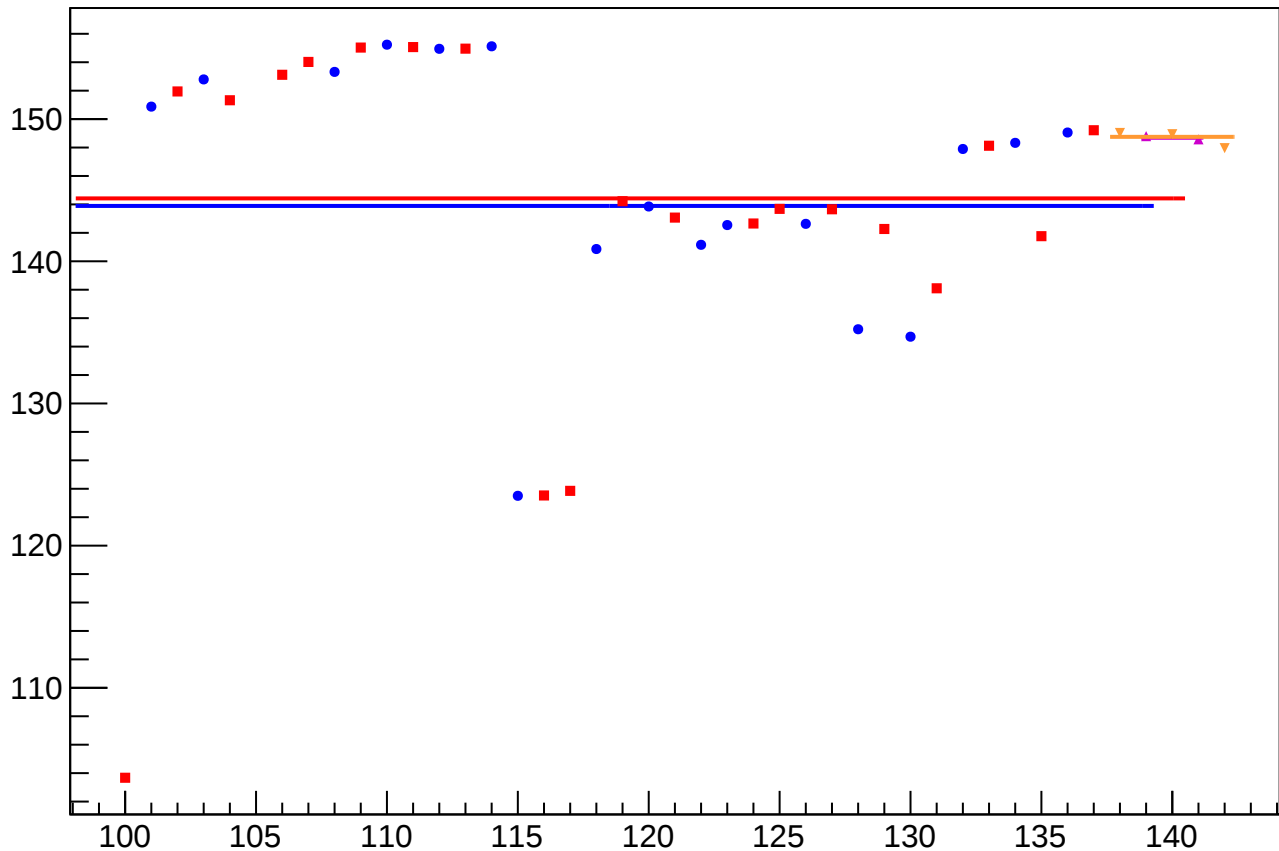
Right Out: 0.322+/-0.000 χ^2/NDF : 1244304.0/19

Left In: 0.342+/-0.000 χ^2/NDF : 2563.7/1

0.316+/-0.000 χ^2/NDF : 1293044.1/19

0.325+/-0.000 χ^2/NDF : 1255775.2/21

yield_bcm_an_us_mean vs Slug



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.752+/-0.000 χ^2/NDF : 3744612.1/2

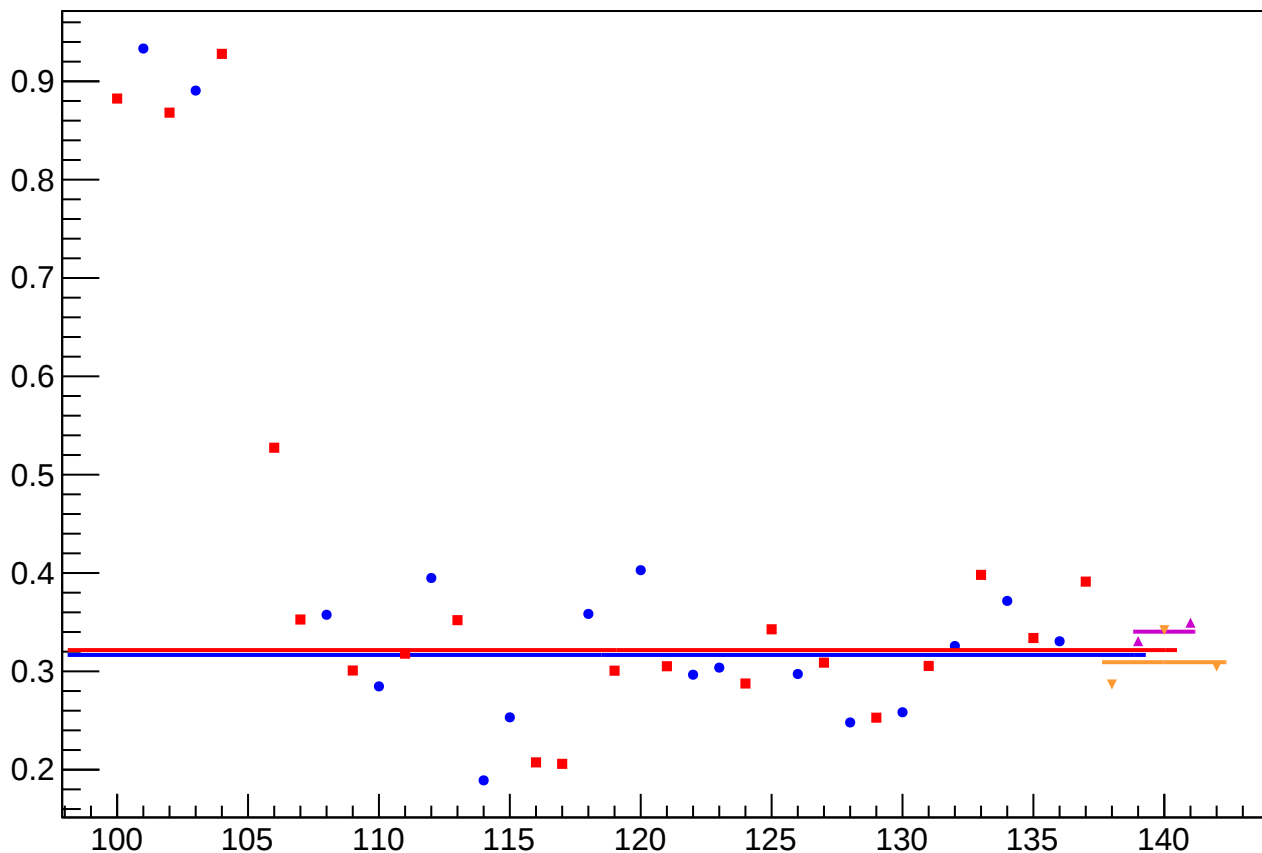
Right Out: 144.423+/-0.000 χ^2/NDF : 4819194675.6/19

Left In: 148.687+/-0.000 χ^2/NDF : 165511.7/1

145.178+/-0.000 χ^2/NDF : 4101471368.8/19

145.224+/-0.000 χ^2/NDF : 5013438518.6/21

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.309 $\pm$ 0.000 χ^2/NDF : 23220.0/2

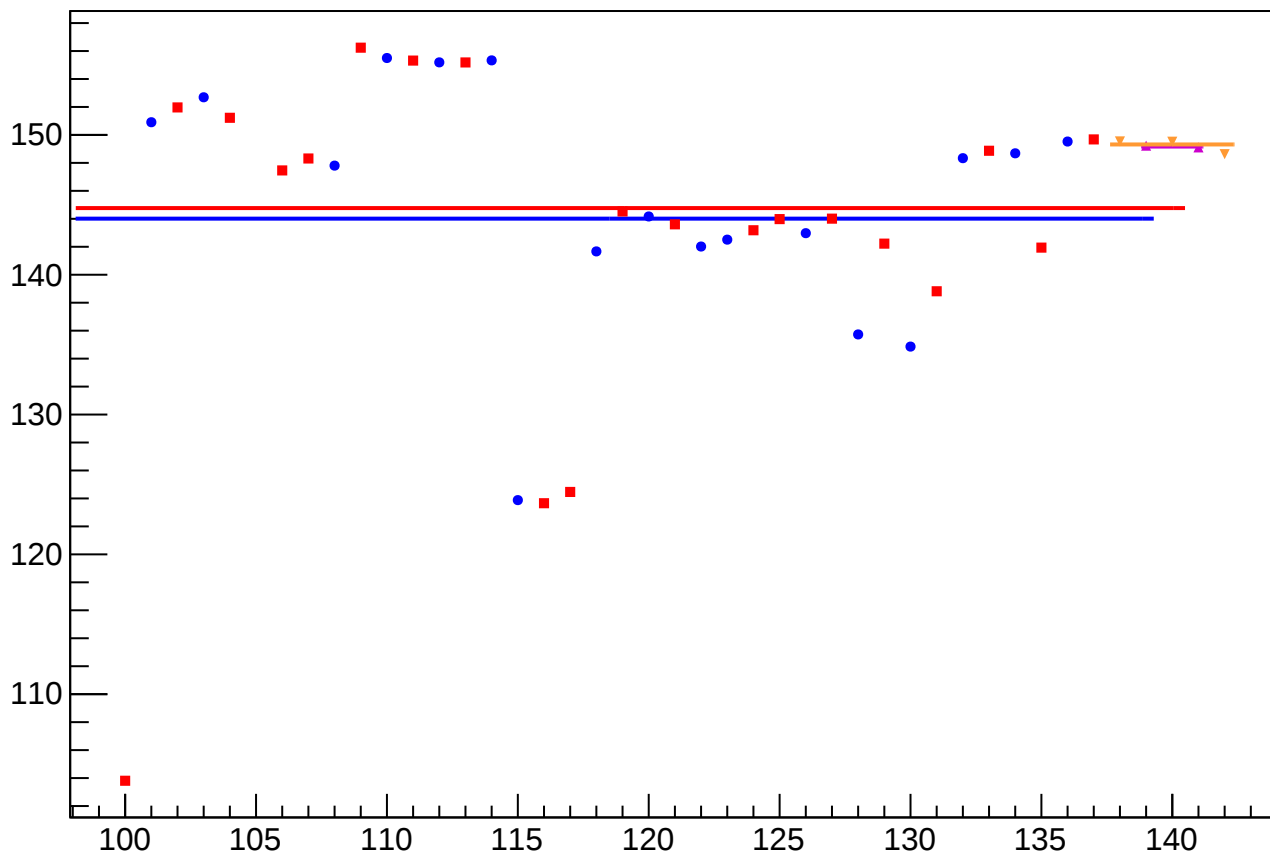
Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244671.1/19

Left In: 0.340 $\pm$ 0.000 χ^2/NDF : 2295.6/1

0.315 $\pm$ 0.000 χ^2/NDF : 1305175.9/19

0.325 $\pm$ 0.000 χ^2/NDF : 1254453.4/21

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 ± 0.000 χ^2/NDF : 3241696920.3/16

Left Out: 149.318 ± 0.000 χ^2/NDF : 2468161.2/2

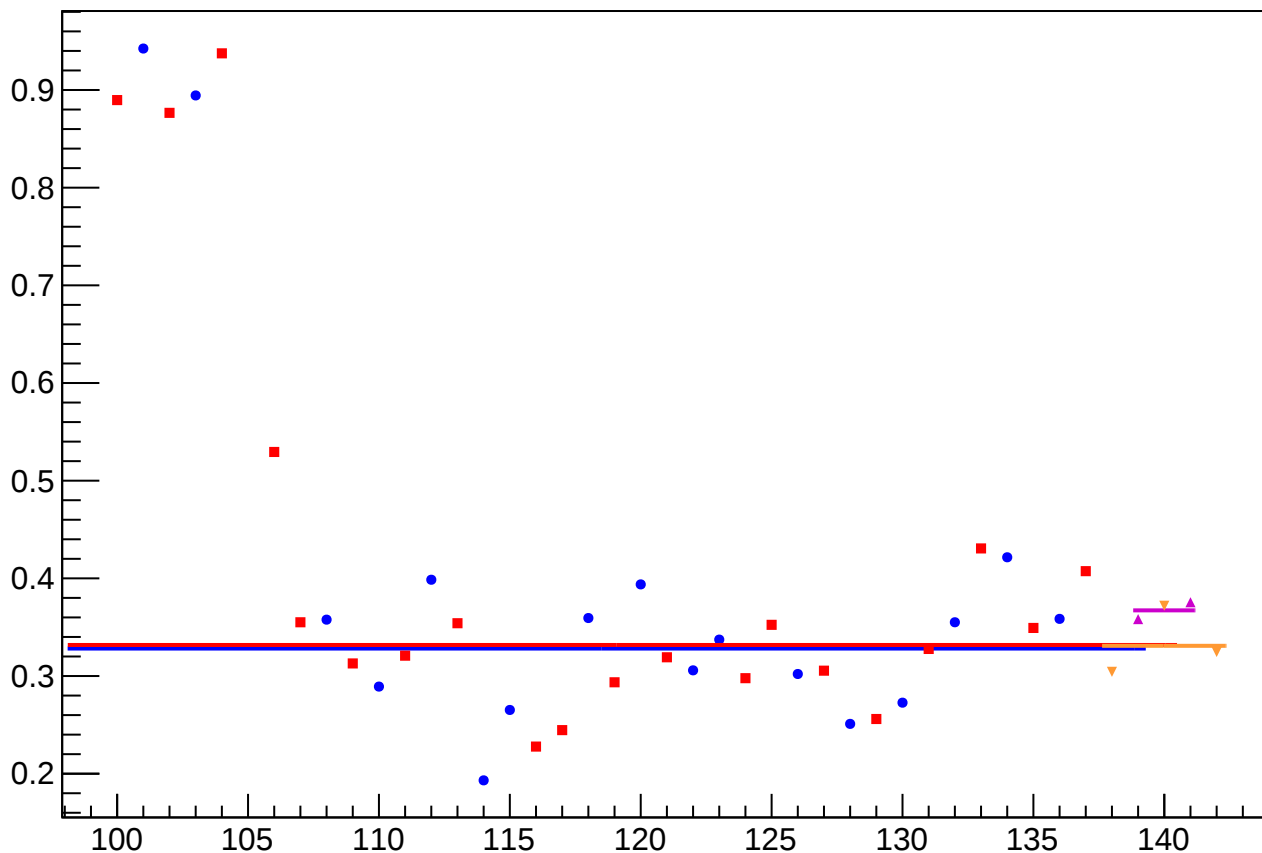
Right Out: 144.767 ± 0.000 χ^2/NDF : 4097482970.1/19

Left In: 149.168 ± 0.000 χ^2/NDF : 42828.8/1

145.334 ± 0.000 χ^2/NDF : 3604227787.9/19

145.531 ± 0.000 χ^2/NDF : 4276871615.7/21

yield_bcm_dg_us_rms vs Slug



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.331+/-0.000 χ^2/NDF : 29671.7/2

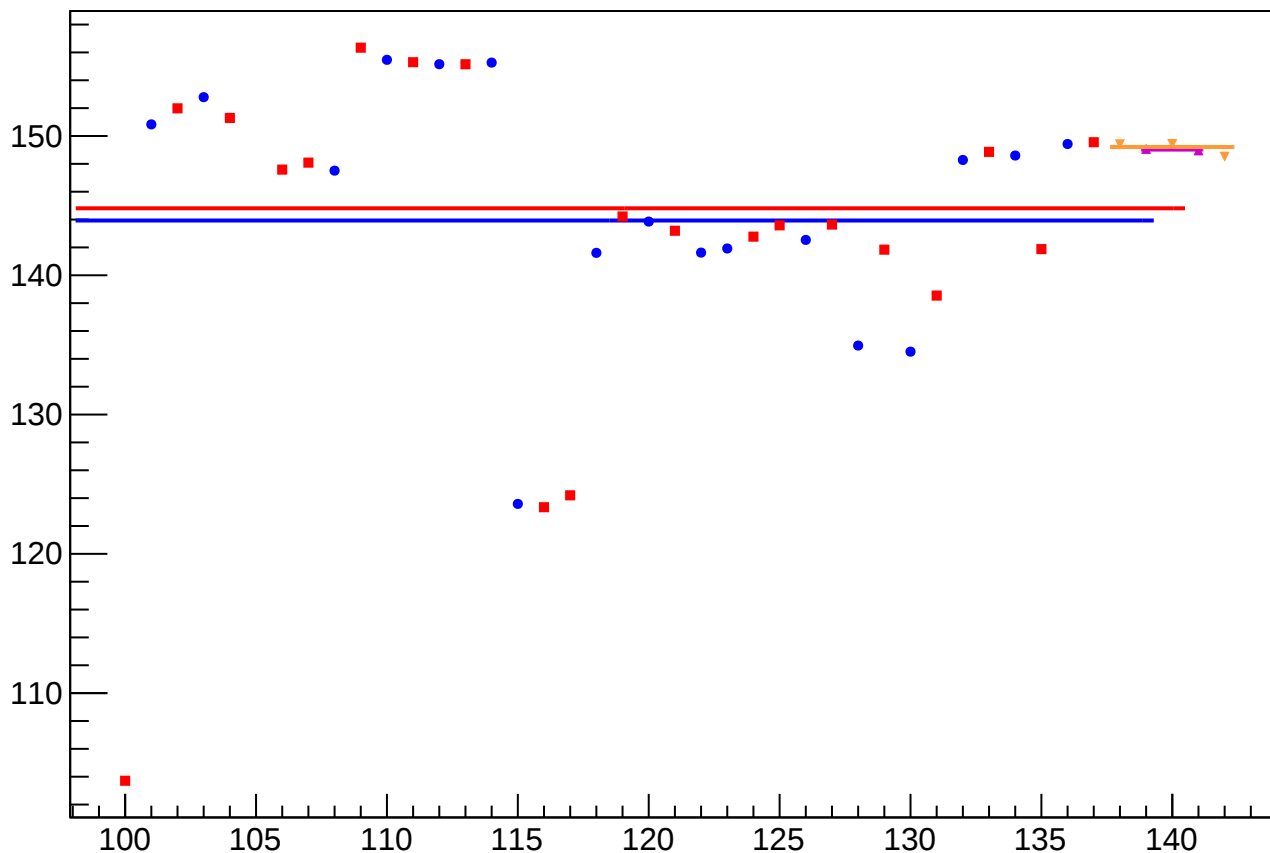
Right Out: 0.332+/-0.000 χ^2/NDF : 1194167.8/19

Left In: 0.367+/-0.000 χ^2/NDF : 1669.8/1

0.329+/-0.000 χ^2/NDF : 1295765.3/19

0.338+/-0.000 χ^2/NDF : 1219093.4/21

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 149.211 ± 0.000 χ^2/NDF : 2357452.4/2

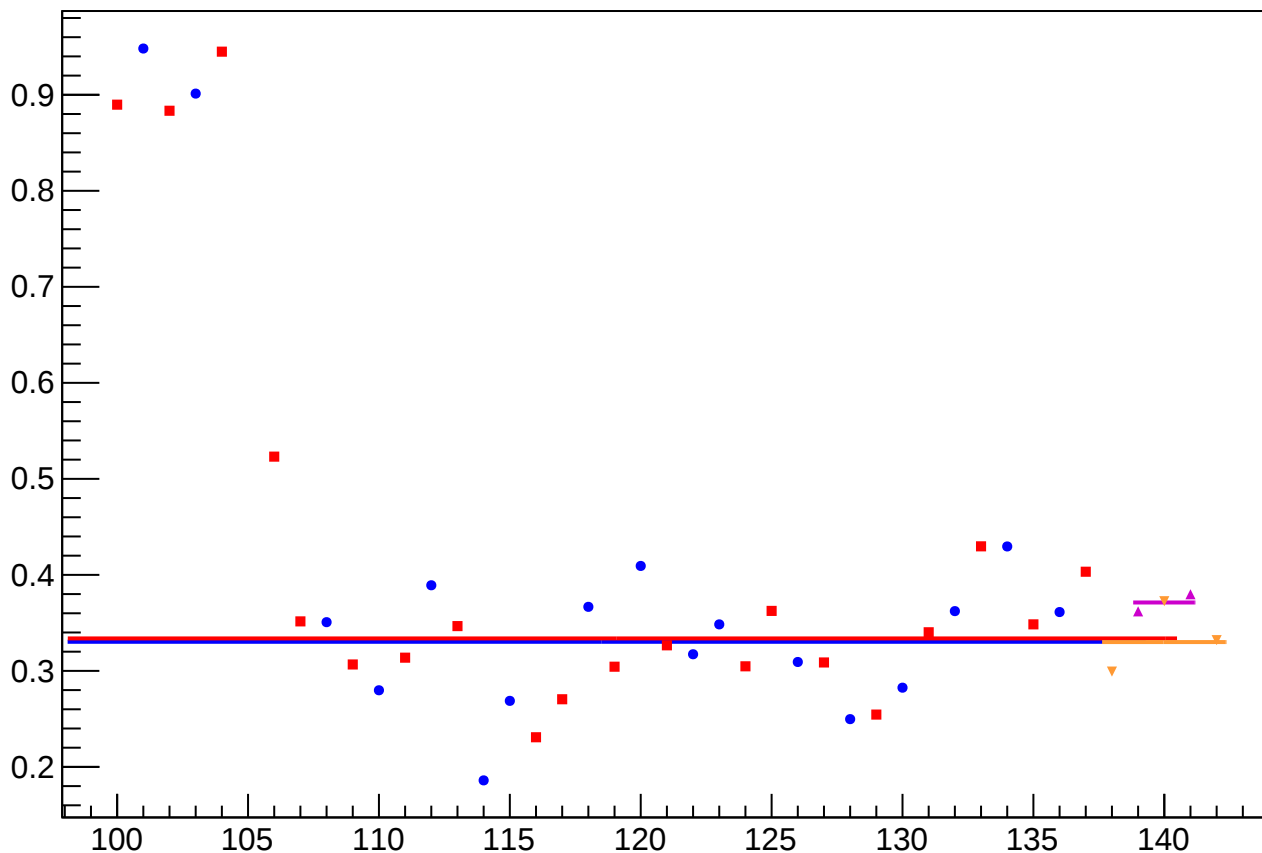
Right Out: 144.809 ± 0.000 χ^2/NDF : 4138041955.6/19

Left In: 149.024 ± 0.000 χ^2/NDF : 29073.0/1

145.262 ± 0.000 χ^2/NDF : 3739557106.9/19

145.532 ± 0.000 χ^2/NDF : 4298627023.9/21

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.330+/-0.000 χ^2/NDF : 34526.6/2

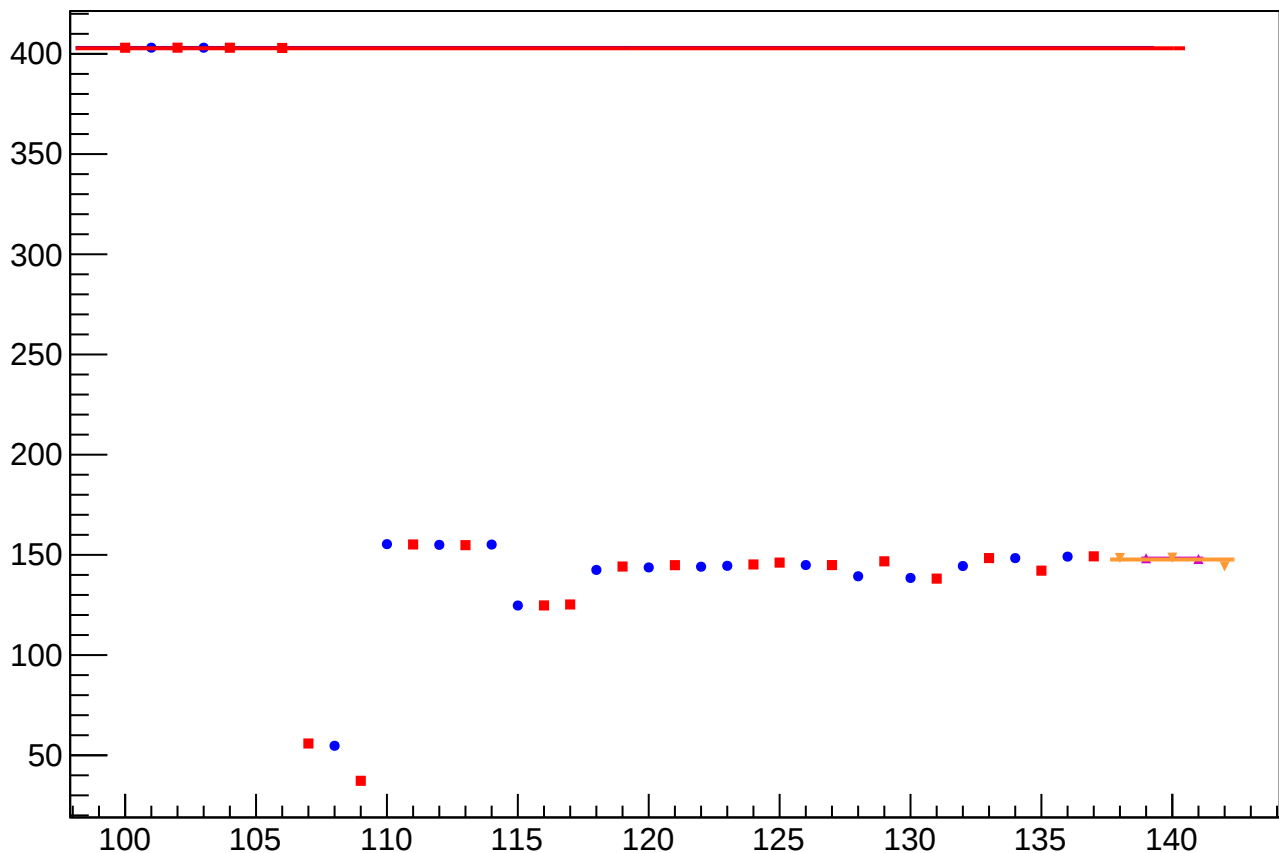
Right Out: 0.334+/-0.000 χ^2/NDF : 1177889.1/19

Left In: 0.371+/-0.000 χ^2/NDF : 1731.7/1

0.330+/-0.000 χ^2/NDF : 1318484.5/19

0.340+/-0.000 χ^2/NDF : 1204949.2/21

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 147.697+/-0.001 χ^2/NDF : 10981146.4/2

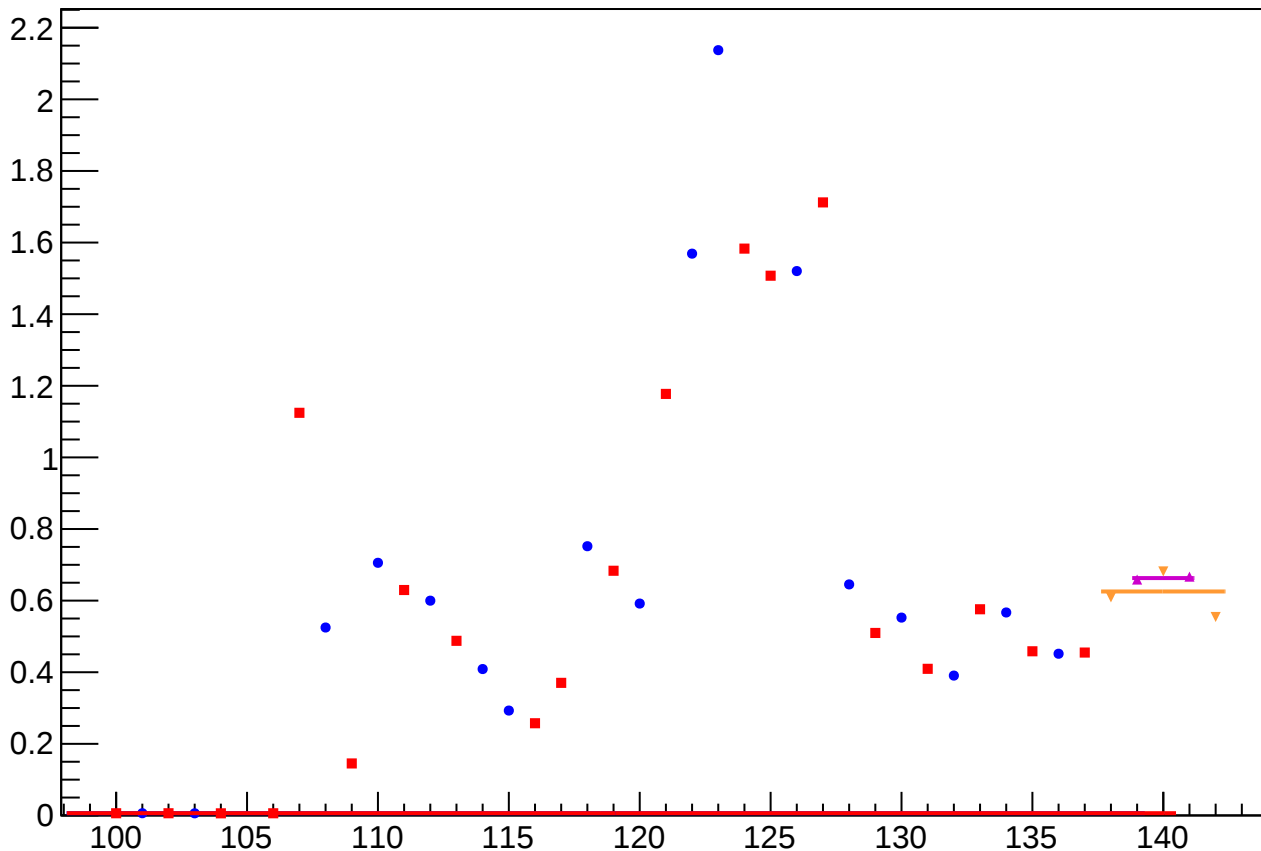
Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

Left In: 148.138+/-0.001 χ^2/NDF : 102947.0/1

402.926+/-0.000 χ^2/NDF : 1341432923376.8/19

402.776+/-0.000 χ^2/NDF : 3308012672973.6/21

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.626+/-0.000 χ^2/NDF :17188.3/2

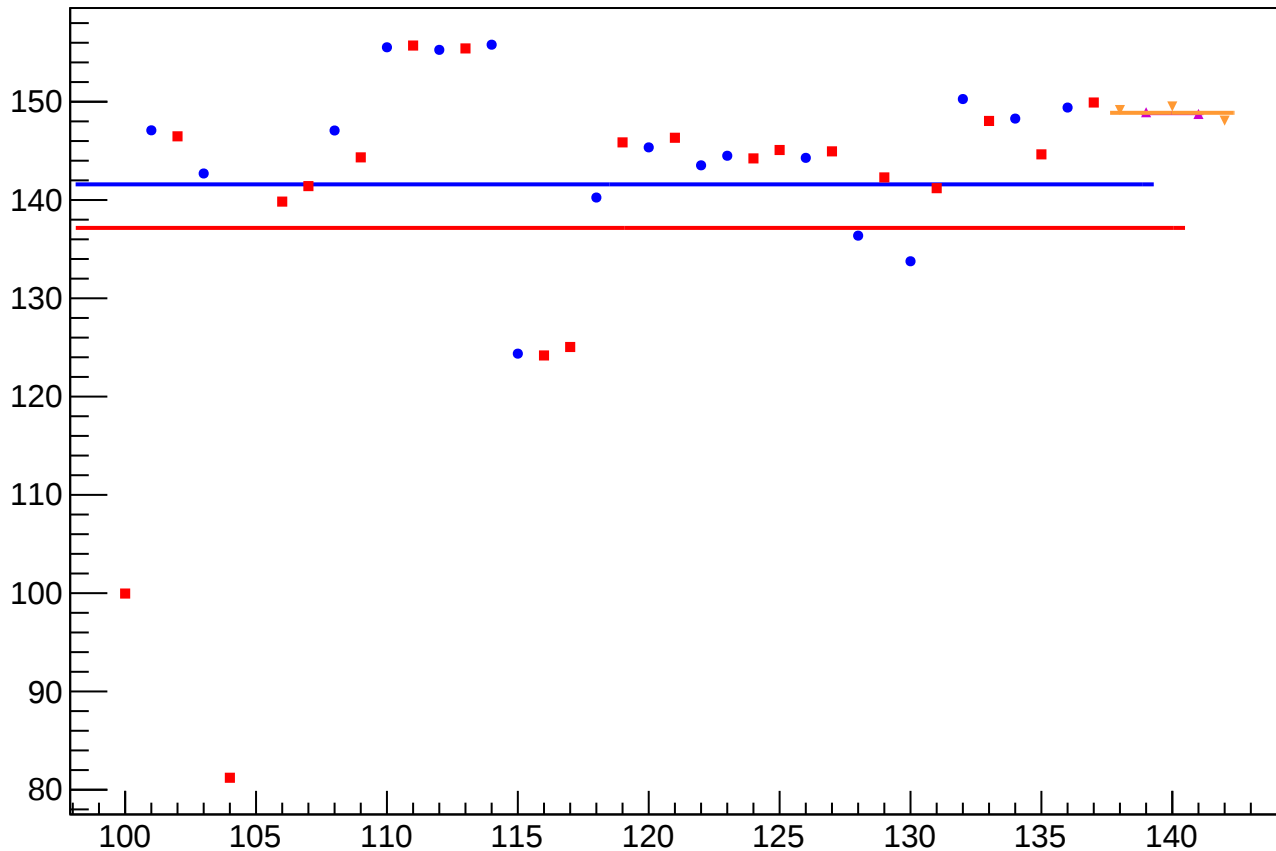
Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

Left In: 0.663+/-0.000 χ^2/NDF :94.4/1

0.006+/-0.000 χ^2/NDF : 12004018.6/19

0.006+/-0.000 χ^2/NDF : 11746432.6/21

yield_cav4cQ_mean vs Slug



Right In: 141.593+/-0.000 χ^2/NDF : 980101868.2/16

Left Out: 148.872+/-0.000 χ^2/NDF : 1565309.3/2

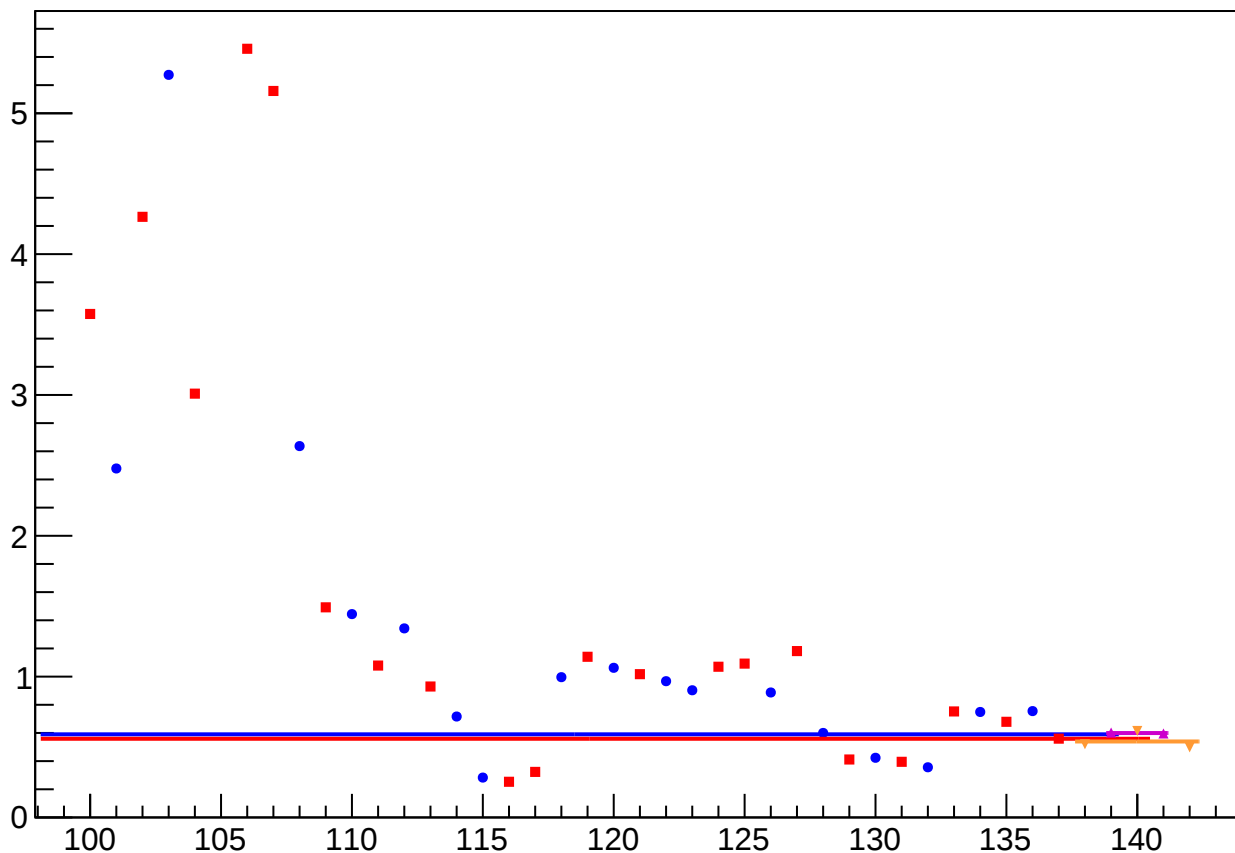
143.707+/-0.000 χ^2/NDF : 1137010207.1/19

Right Out: 137.162+/-0.000 χ^2/NDF : 1366089515.6/19

139.385+/-0.000 χ^2/NDF : 1650369502.2/21

Left In: 148.836+/-0.001 χ^2/NDF : 19887.0/1

yield_cav4cQ_rms vs Slug



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.539+/-0.000 χ^2/NDF :19798.1/2

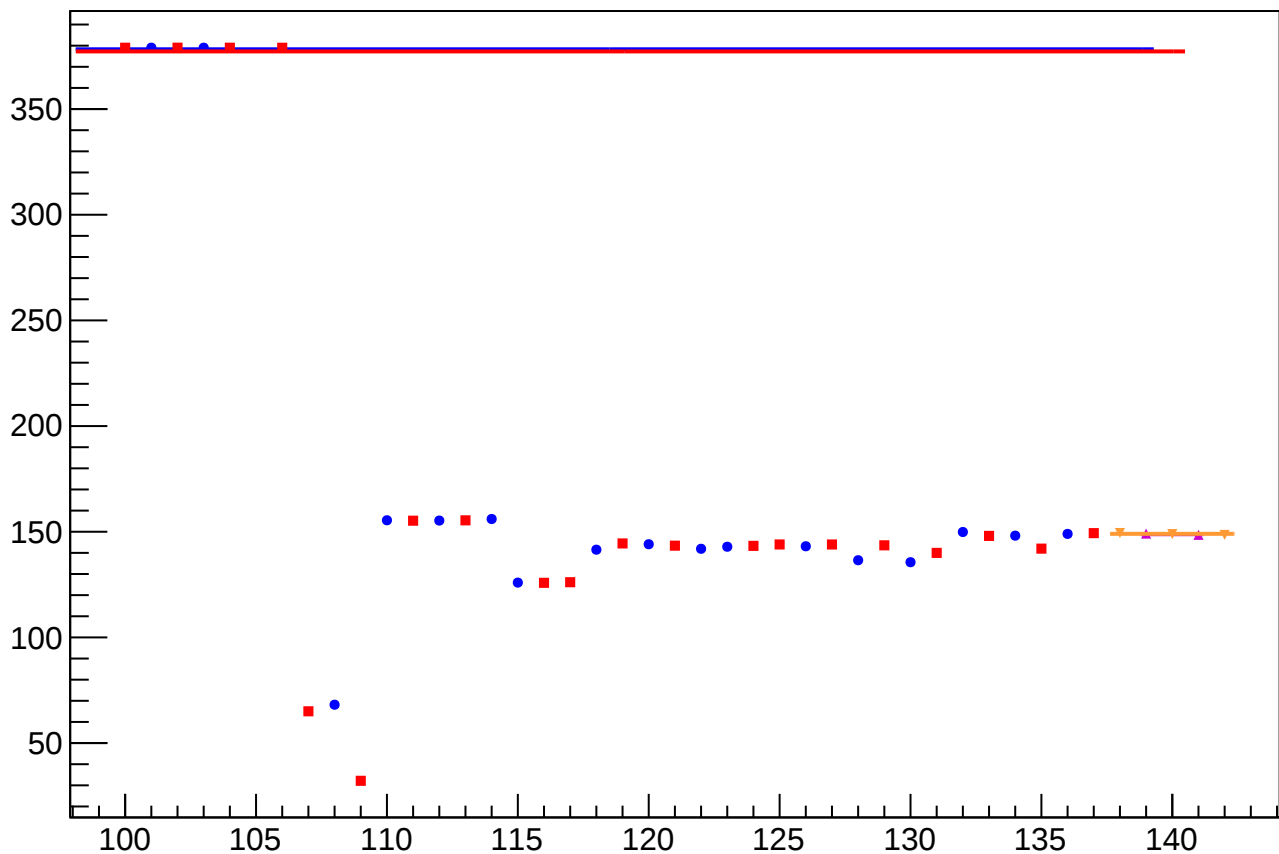
Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

Left In: 0.599+/-0.000 χ^2/NDF :58.5/1

0.576+/-0.000 χ^2/NDF : 3526904.8/19

0.566+/-0.000 χ^2/NDF : 4728243.0/21

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 149.011+/-0.000 χ^2/NDF :1885933.8/2

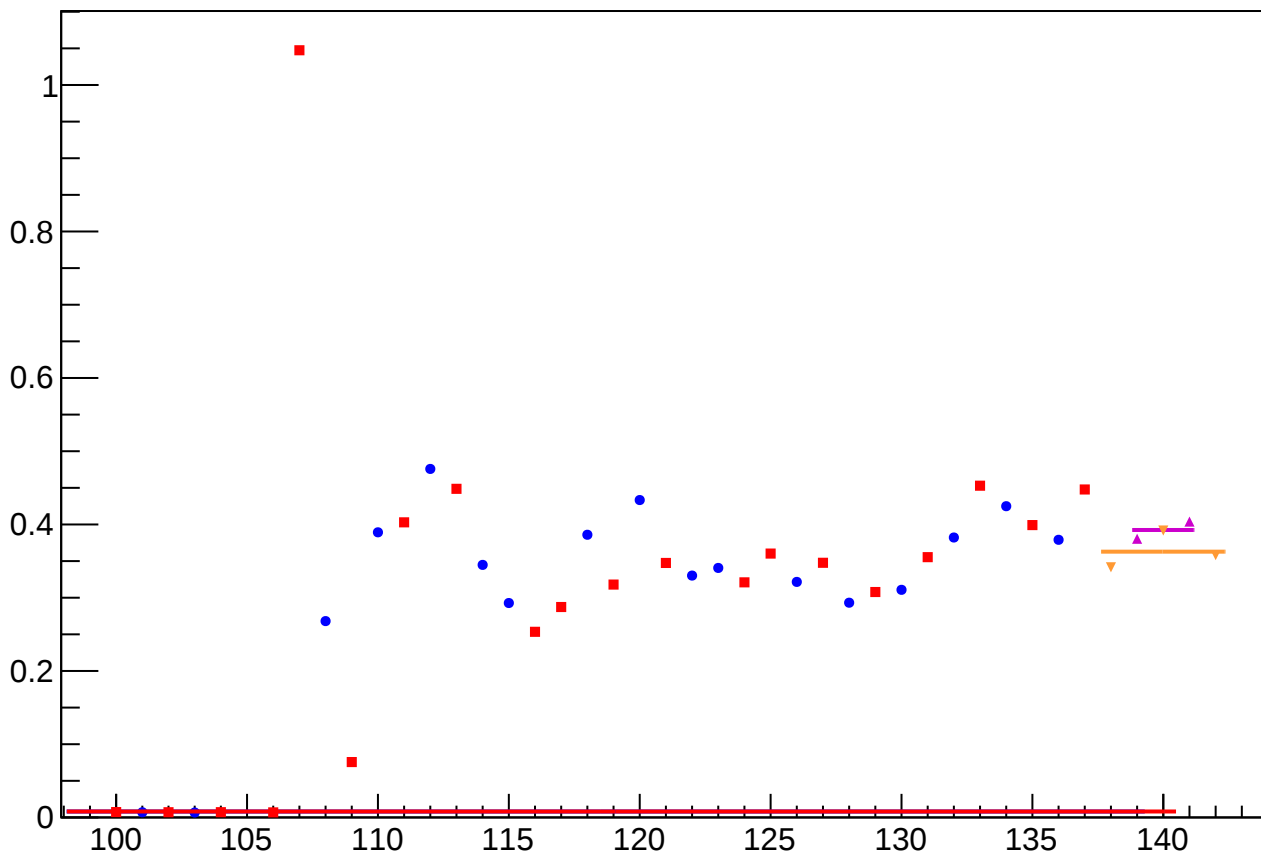
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 148.830+/-0.000 χ^2/NDF :831333.7/1

378.032+/-0.000 χ^2/NDF : 3274116441158.5/19

377.131+/-0.000 χ^2/NDF : 8829121630564.1/21

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.363+/-0.000 χ^2/NDF :14294.4/2

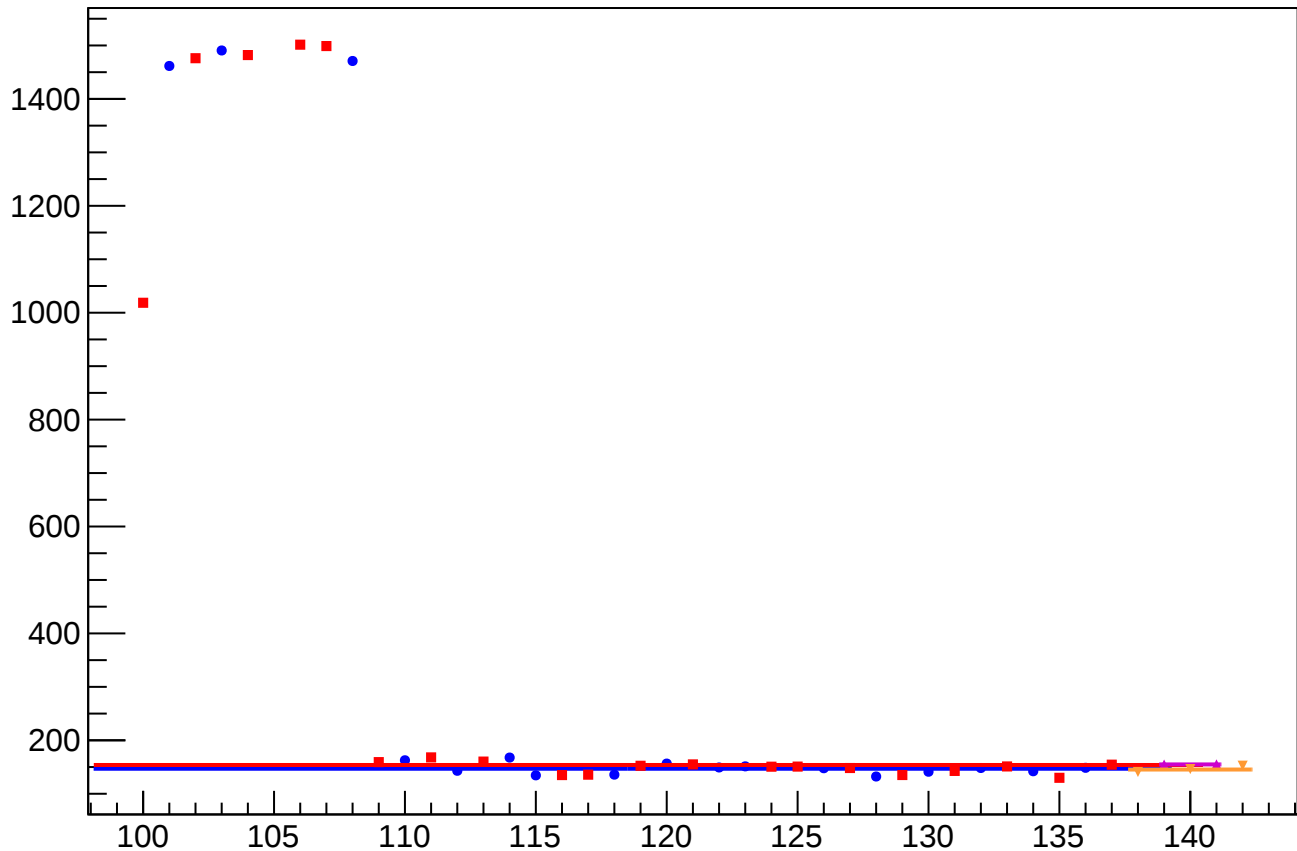
Right Out: 0.008+/-0.000 χ^2/NDF : 9589375.6/19

Left In: 0.392+/-0.000 χ^2/NDF :2710.0/1

0.009+/-0.000 χ^2/NDF : 13488049.2/19

0.008+/-0.000 χ^2/NDF : 12511963.8/21

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 145.332+/-0.001 χ^2/NDF : 36675011.2/2

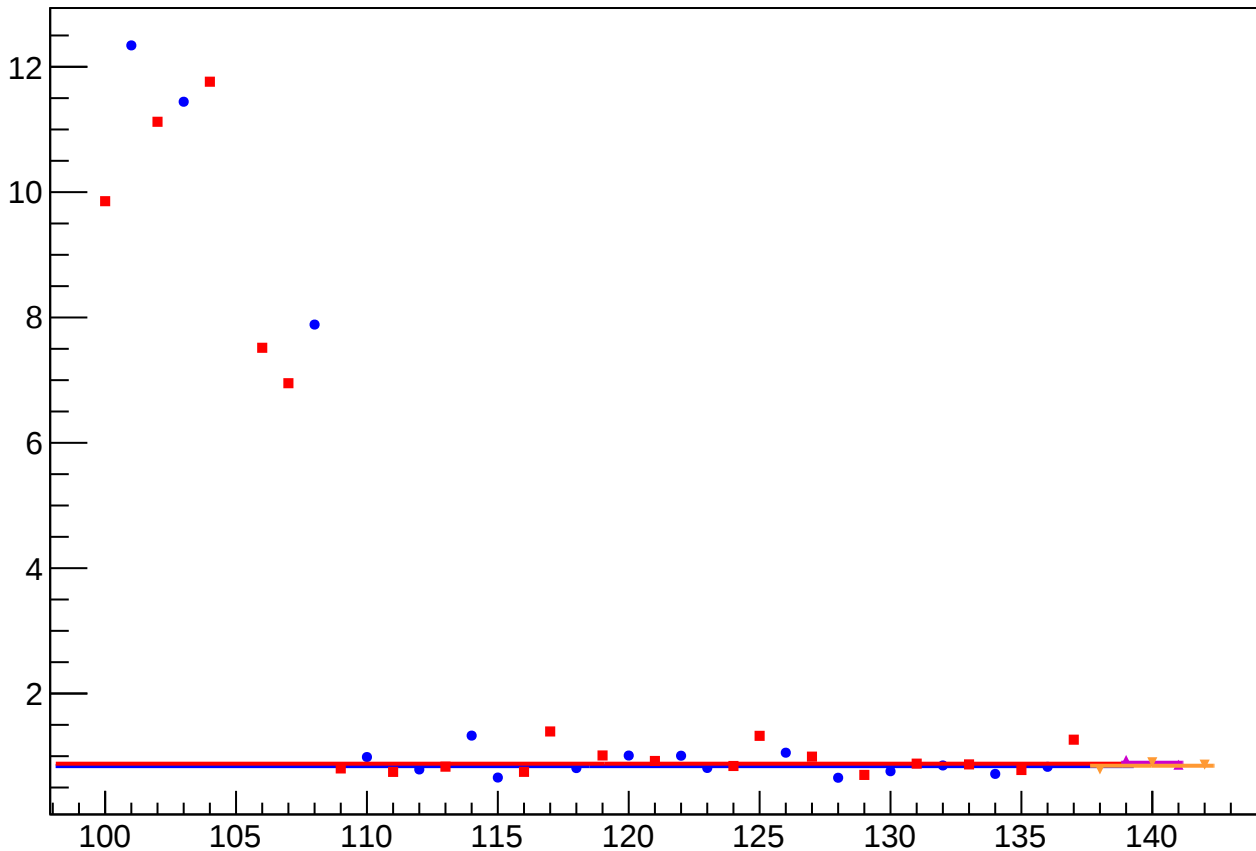
Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

Left In: 154.872+/-0.001 χ^2/NDF : 35060.1/1

146.438+/-0.000 χ^2/NDF : 24400468953.2/19

154.049+/-0.000 χ^2/NDF : 33745468497.0/21

yield_bcm0l02_rms vs Slug



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.848+/-0.001 χ^2/NDF : 9642.8/2

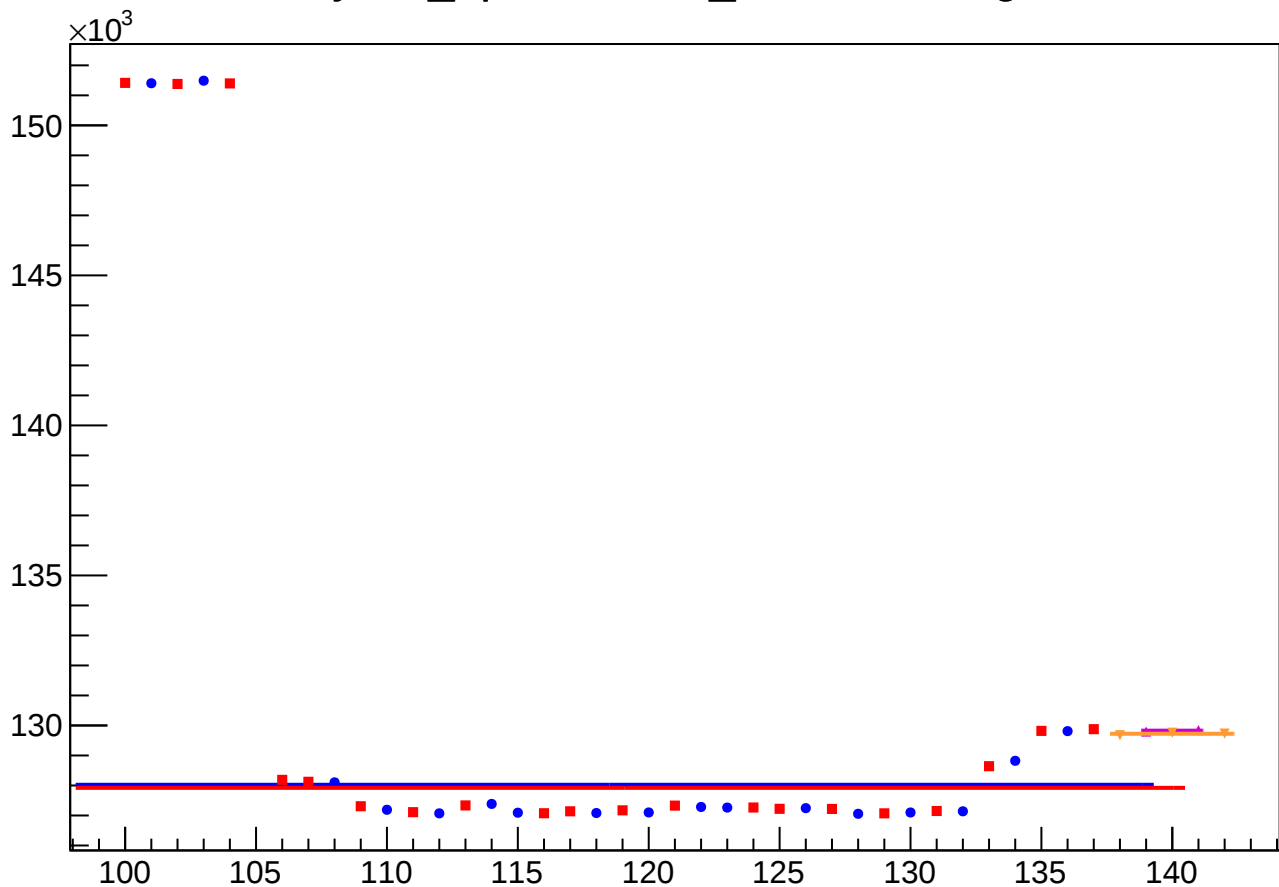
Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

Left In: 0.896+/-0.001 χ^2/NDF : 3824.9/1

0.843+/-0.000 χ^2/NDF : 2672153.6/19

0.883+/-0.000 χ^2/NDF : 2829701.2/21

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129723.943 $\pm$ 0.121 χ^2 /NDF: 91469.2/2

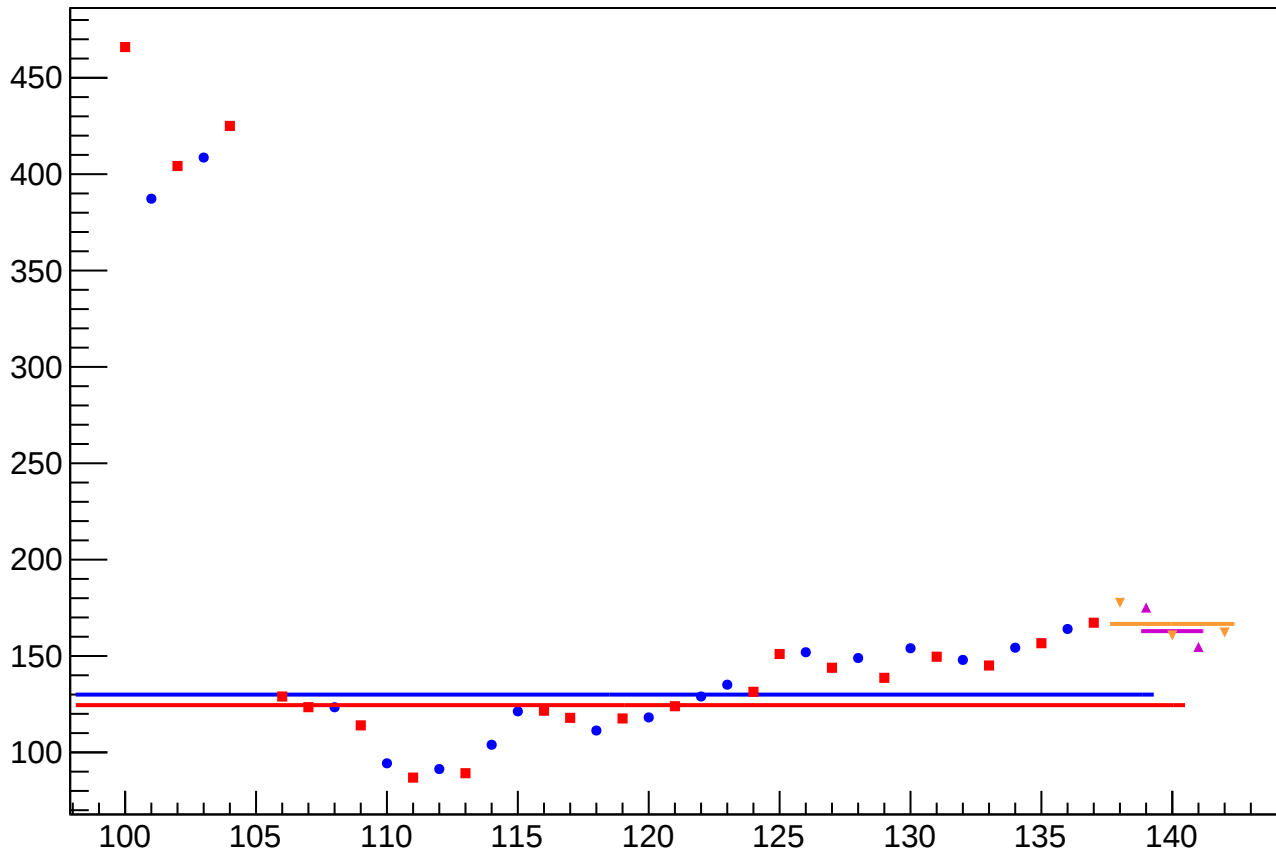
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129826.797 $\pm$ 0.131 χ^2 /NDF: 34779.0/1

128311.024 $\pm$ 0.050 χ^2 /NDF: 4480987194.6/19

128165.678 $\pm$ 0.047 χ^2 /NDF: 3953964957.5/21

yield_bpm2i01WS_rms vs Slug



Right In: 129.980+/-0.039 χ^2/NDF : 1485519.5/16

Left Out: 166.651+/-0.085 χ^2/NDF : 8193.9/2

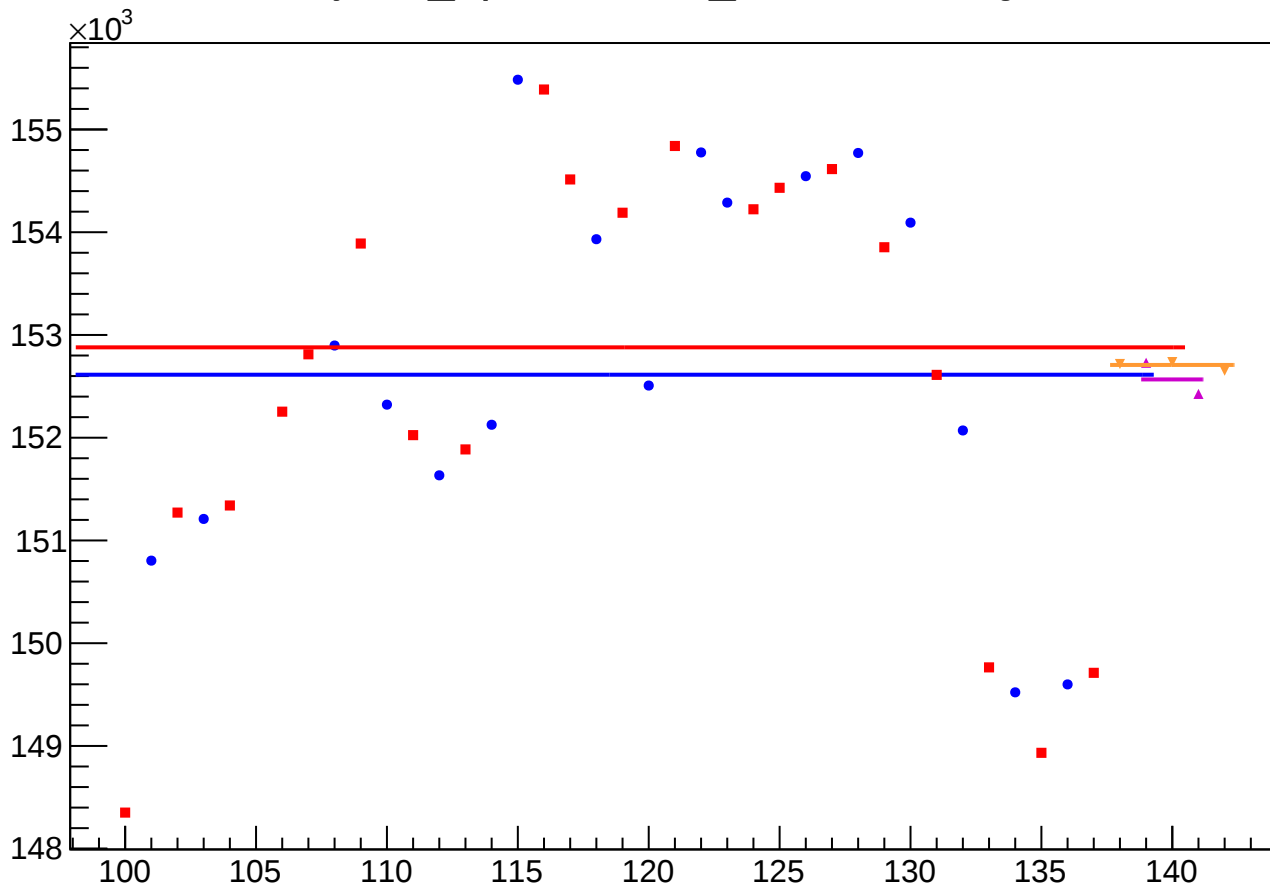
136.180+/-0.035 χ^2/NDF : 1646597.6/19

Right Out: 124.514+/-0.035 χ^2/NDF : 1531546.7/19

129.438+/-0.033 χ^2/NDF : 1693434.2/21

Left In: 162.909+/-0.093 χ^2/NDF : 11697.8/1

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 ± 0.072 $\chi^2/\text{NDF}: 623356098.4/16$

Left Out: 152708.230 ± 0.127 $\chi^2/\text{NDF}: 67339.4/2$

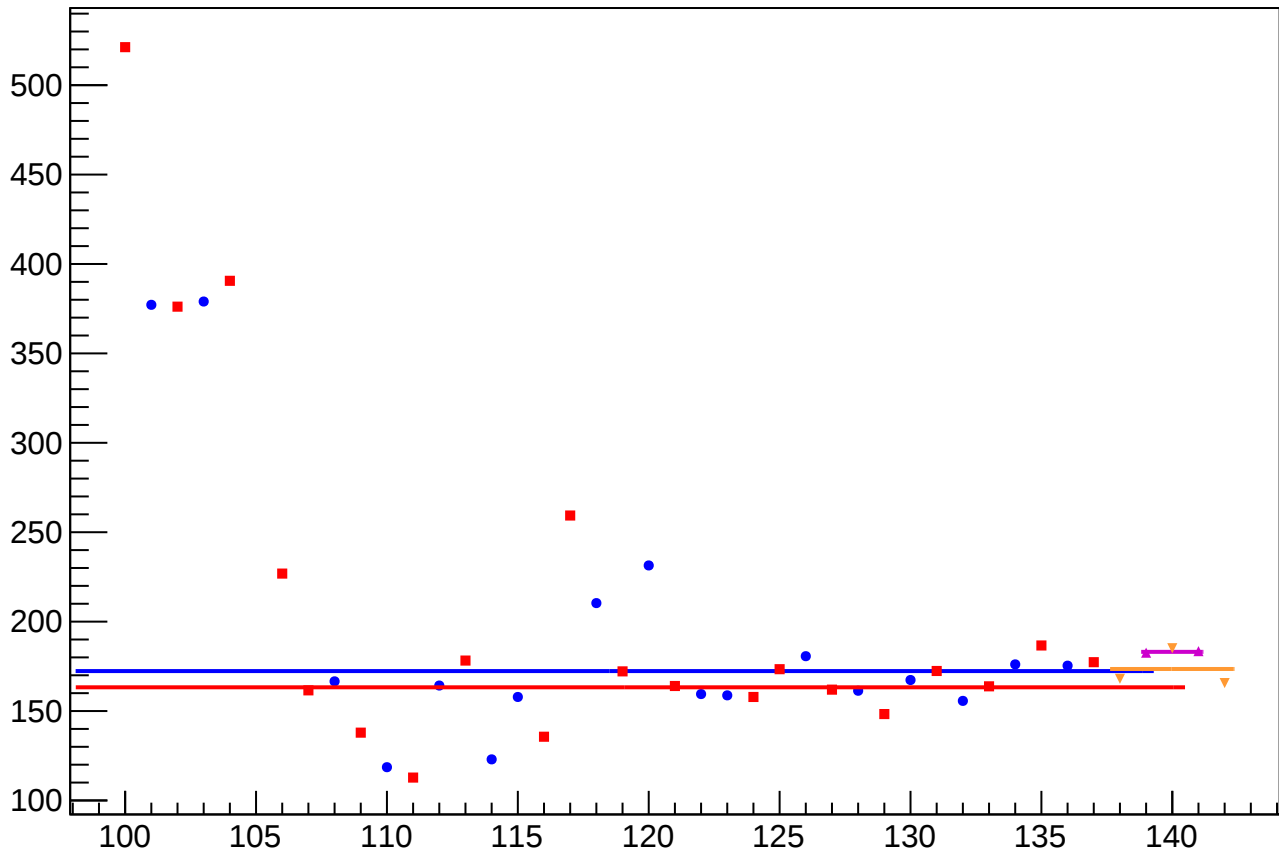
Right Out: 152879.455 ± 0.066 $\chi^2/\text{NDF}: 717907168.5/19$

Left In: 152567.172 ± 0.147 $\chi^2/\text{NDF}: 1059696.8/1$

152636.520 ± 0.063 $\chi^2/\text{NDF}: 623849544.5/19$

152826.866 ± 0.060 $\chi^2/\text{NDF}: 722724175.3/21$

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 χ^2/NDF : 921911.1/16

Left Out: 173.523 ± 0.089 χ^2/NDF : 9368.7/2

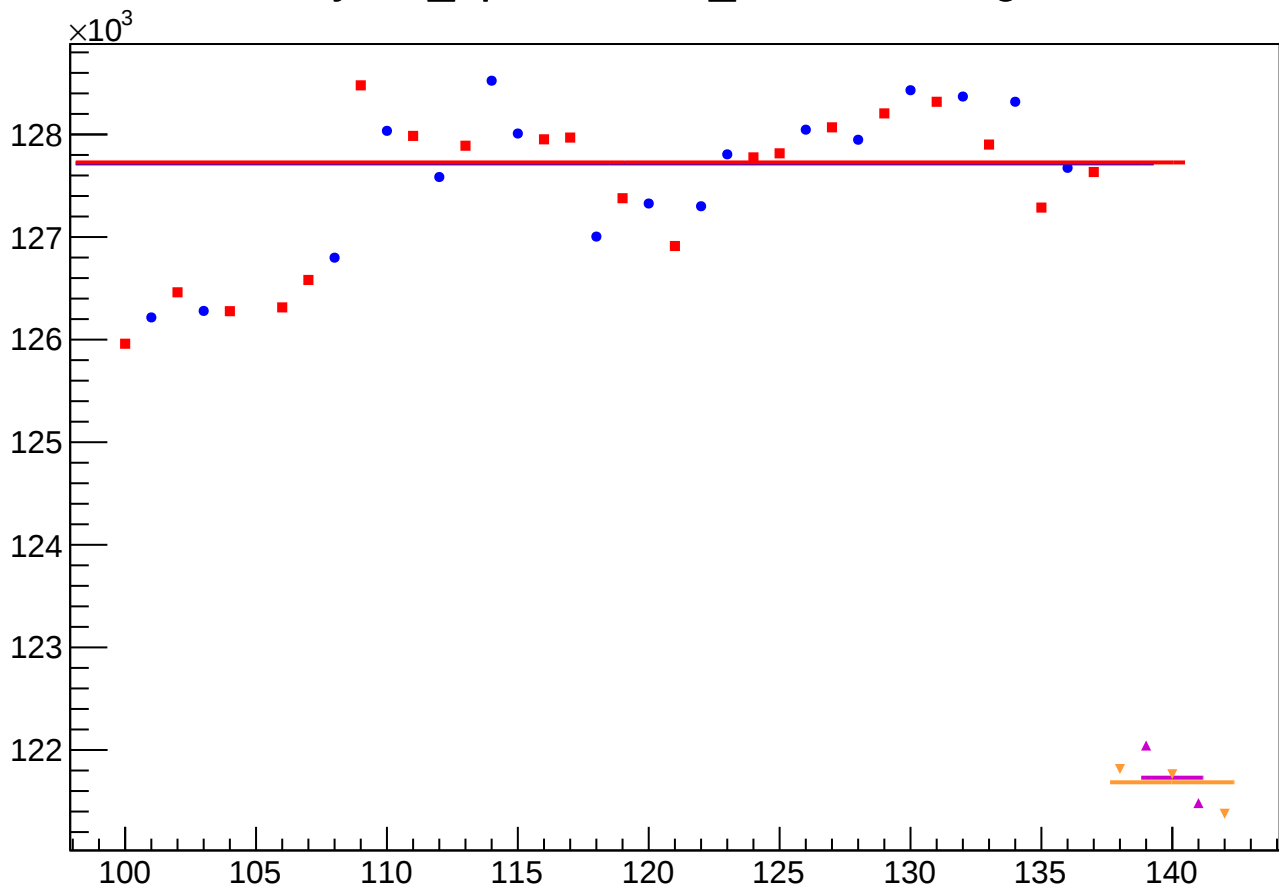
172.639 ± 0.044 χ^2/NDF : 931409.1/19

Right Out: 163.273 ± 0.047 χ^2/NDF : 1043440.1/19

166.611 ± 0.043 χ^2/NDF : 1073739.9/21

Left In: 183.097 ± 0.104 χ^2/NDF : 17.3/1

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 121685.277 $\pm$ 0.107 χ^2 /NDF: 2771827.0/2

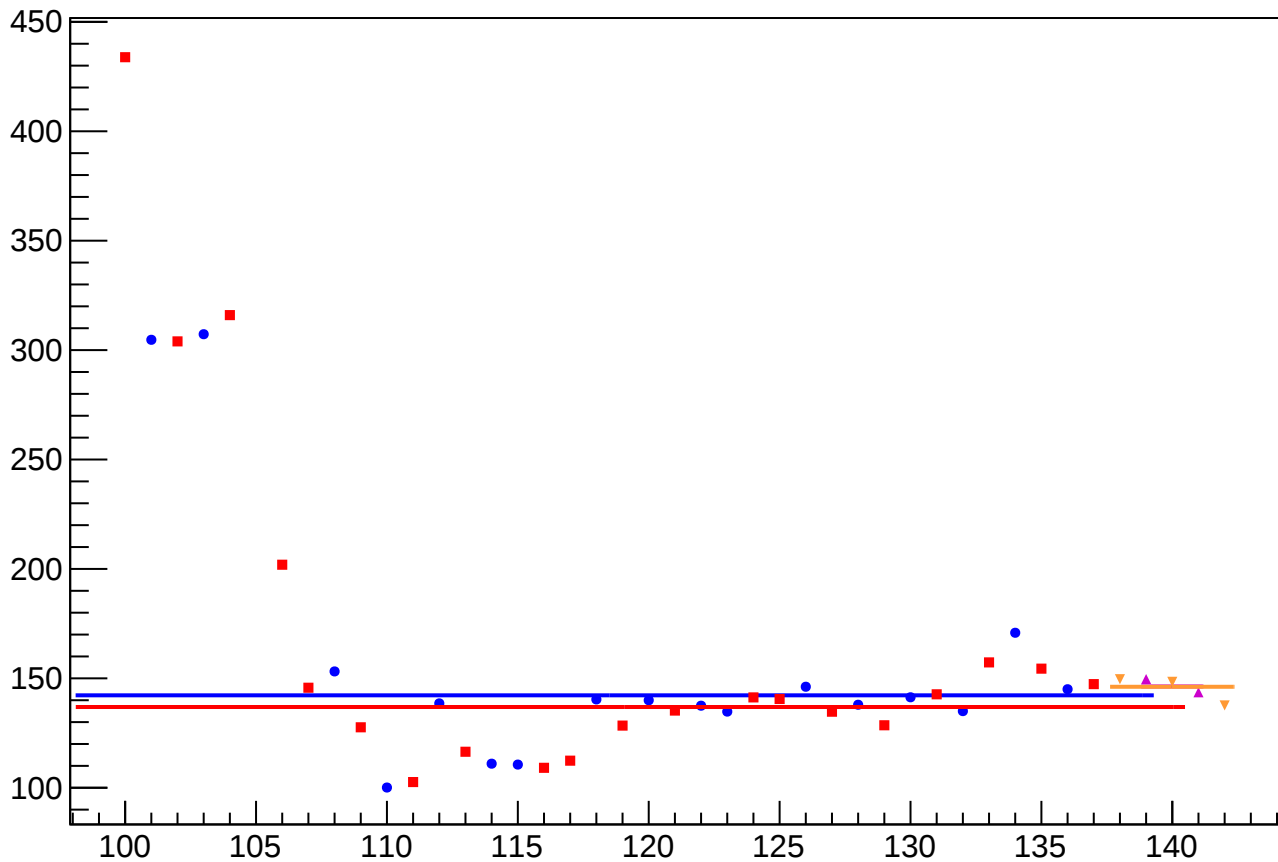
Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

Left In: 121730.053 $\pm$ 0.118 χ^2 /NDF: 5609473.5/1

126340.715 $\pm$ 0.051 χ^2 /NDF: 2543558954.0/19

126674.133 $\pm$ 0.049 χ^2 /NDF: 2263770372.7/21

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 ± 0.041 χ^2/NDF : 836415.1/16

Left Out: 146.145 ± 0.076 χ^2/NDF : 4248.1/2

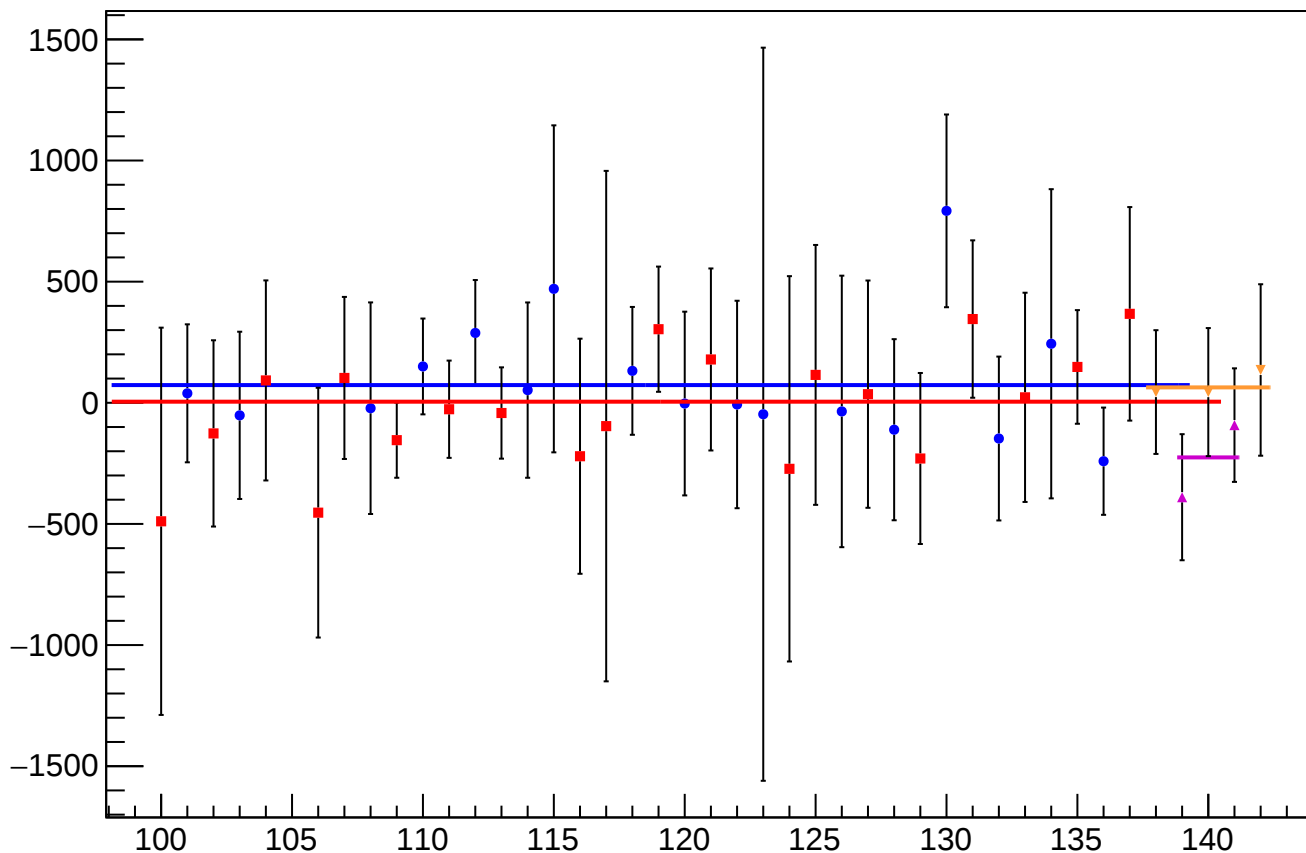
Right Out: 136.904 ± 0.038 χ^2/NDF : 961858.5/19

Left In: 146.291 ± 0.083 χ^2/NDF : 1302.7/1

143.132 ± 0.036 χ^2/NDF : 842712.2/19

138.552 ± 0.035 χ^2/NDF : 973676.4/21

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 63.563+/-163.025 χ^2/NDF : 0.1/2

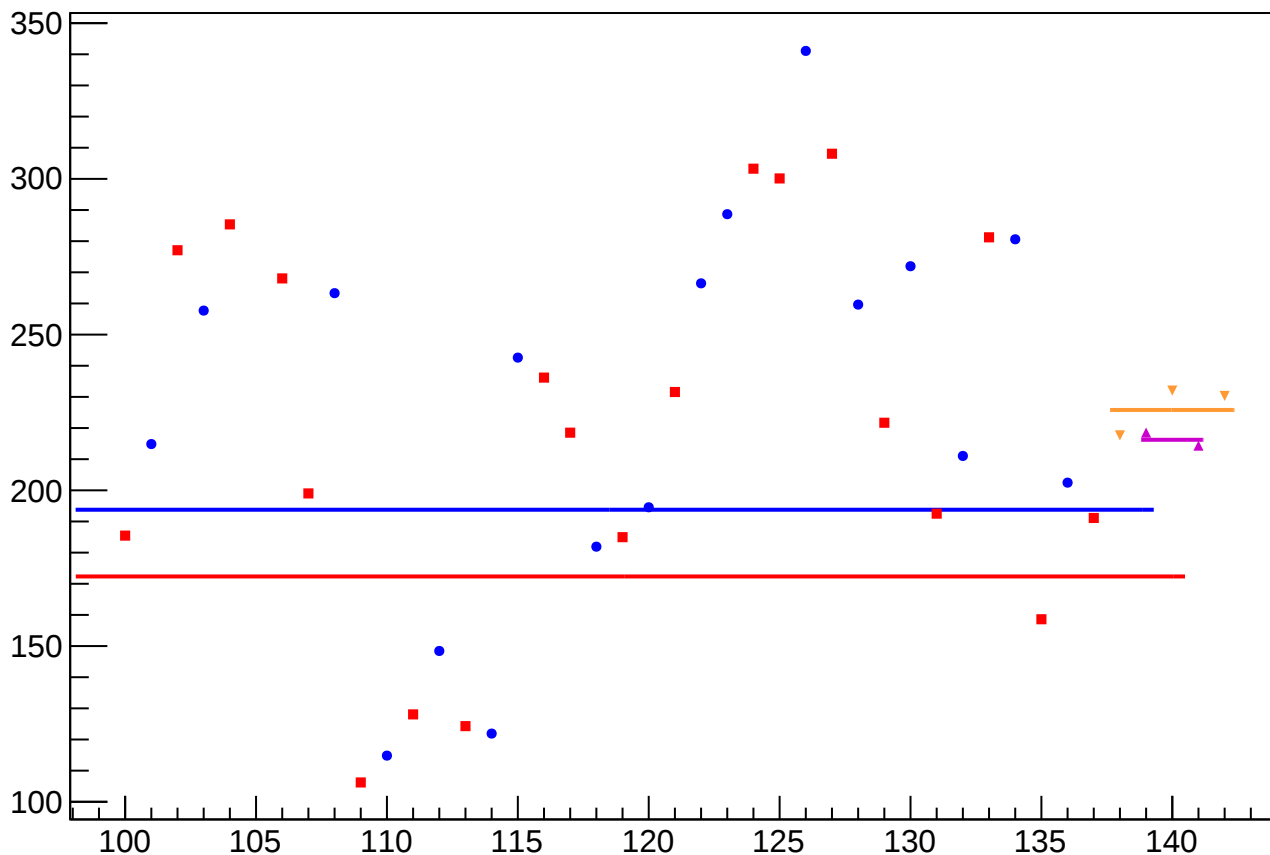
Right Out: 4.574+/-69.944 χ^2/NDF : 7.1/19

Left In: -225.439+/-174.139 χ^2/NDF : 0.7/1

71.271+/-71.532 χ^2/NDF : 7.9/19

-27.378+/-64.904 χ^2/NDF : 9.3/21

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 225.807+/-0.115 χ^2/NDF :3474.0/2

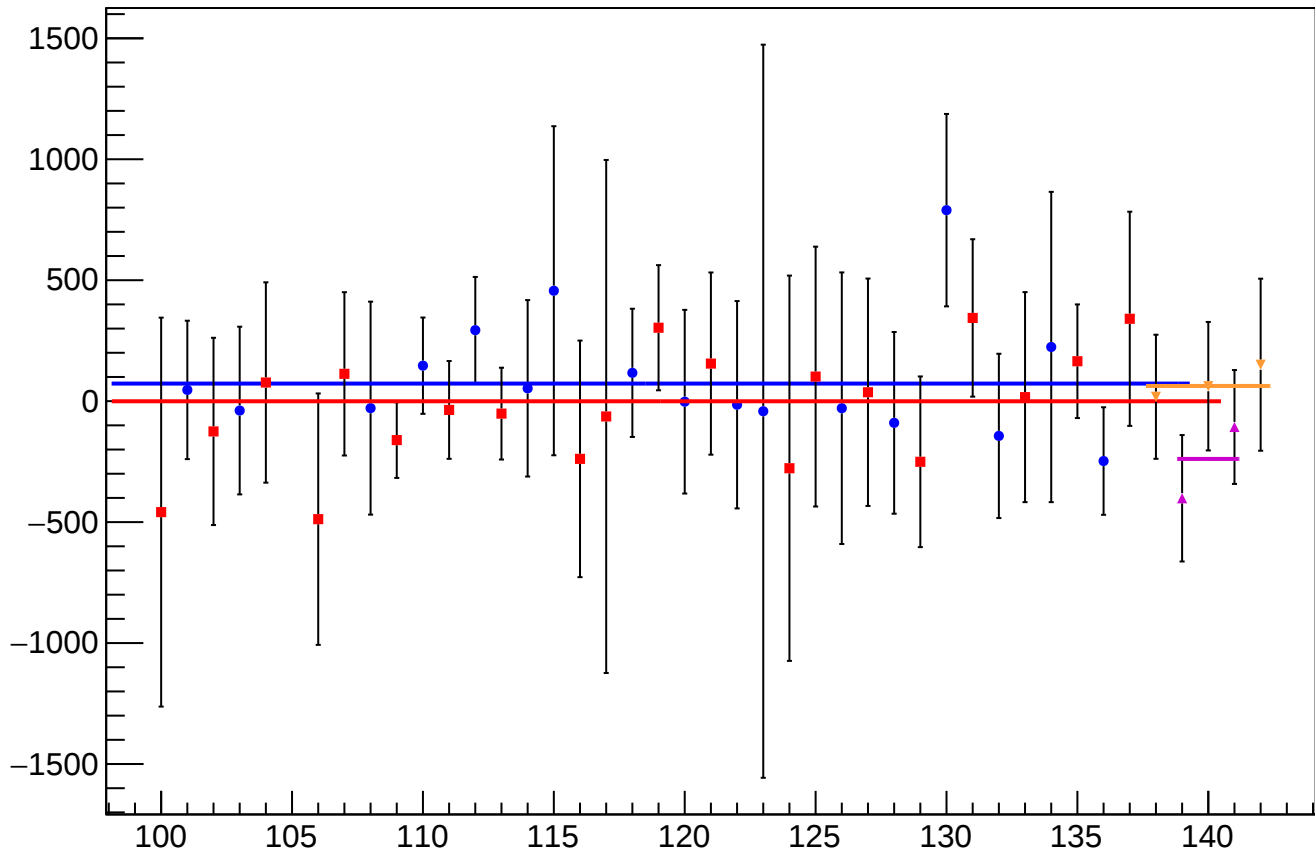
Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

Left In: 216.229+/-0.123 χ^2/NDF :286.4/1

199.940+/-0.051 χ^2/NDF : 1082911.8/19

178.442+/-0.046 χ^2/NDF : 1693539.5/21

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 62.884+/-163.763 χ^2/NDF : 0.1/2

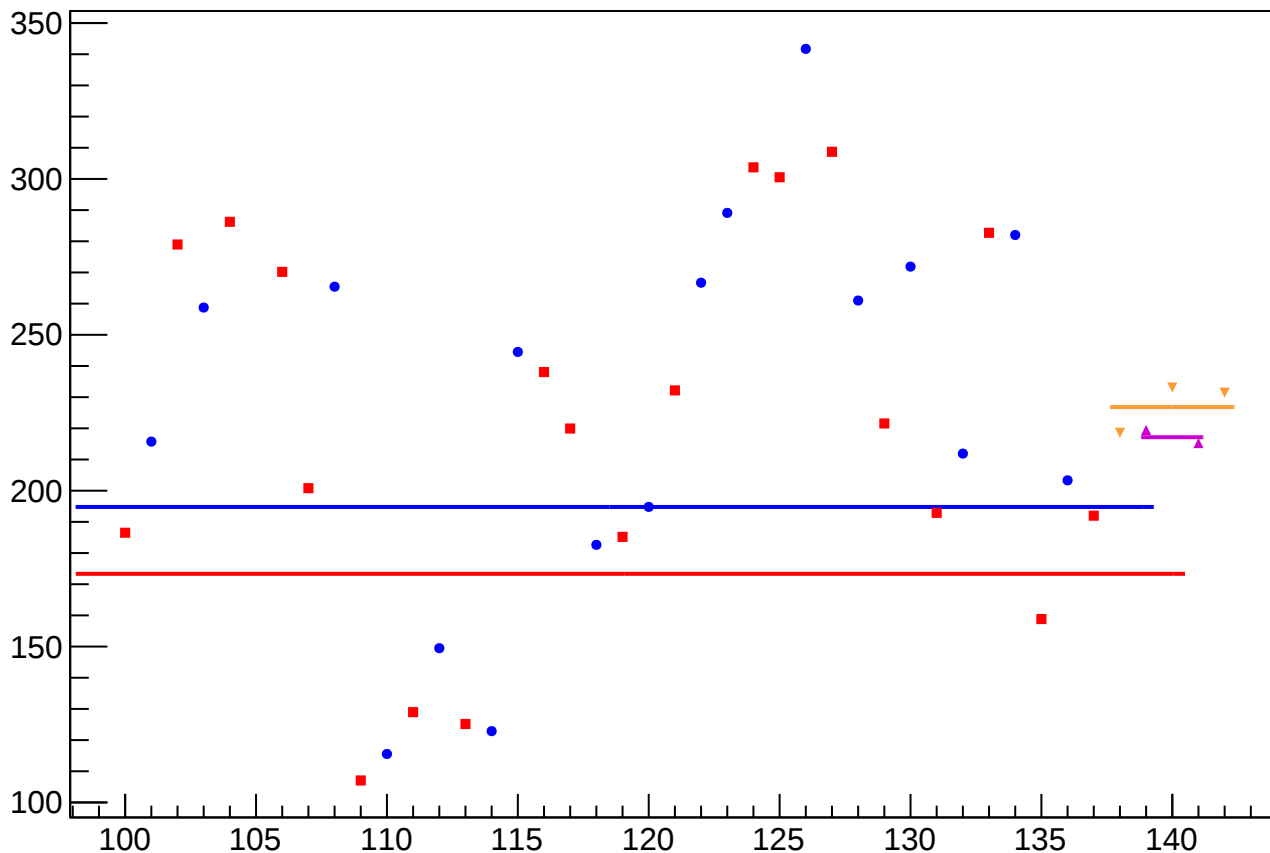
Right Out: -0.459+/-70.312 χ^2/NDF : 7.3/19

Left In: -238.771+/-174.892 χ^2/NDF : 0.7/1

70.789+/-71.875 χ^2/NDF : 7.8/19

-33.617+/-65.237 χ^2/NDF : 9.6/21

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 226.824 $\pm$ 0.116 χ^2 /NDF:3522.3/2

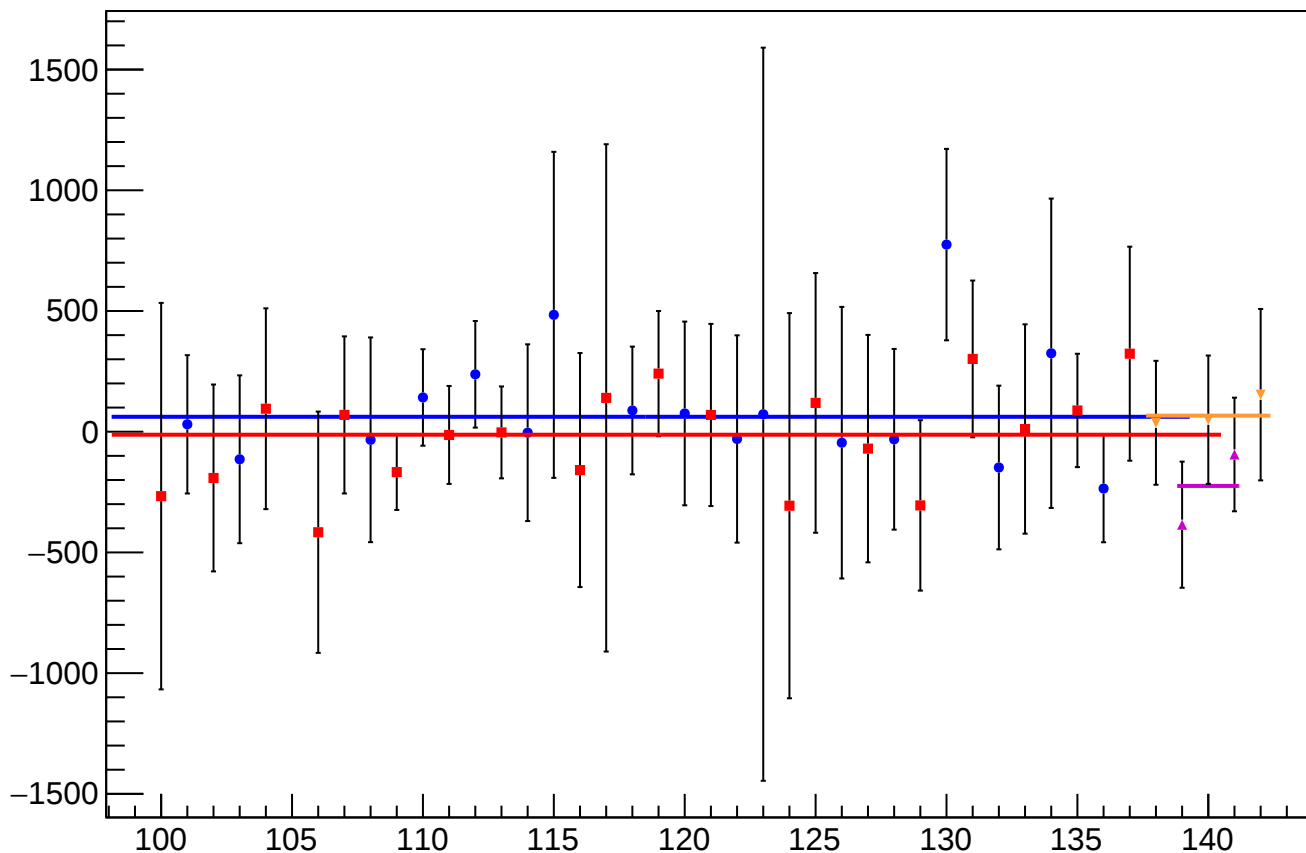
Right Out: 173.337 $\pm$ 0.050 χ^2 /NDF: 1571436.7/19

Left In: 217.160 $\pm$ 0.124 χ^2 /NDF:287.3/1

200.954 $\pm$ 0.051 χ^2 /NDF: 1073629.9/19

179.435 $\pm$ 0.046 χ^2 /NDF: 1679822.6/21

asym_bcm_an_us_mean vs Slug



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 66.600+/-163.781 χ^2/NDF : 0.1/2

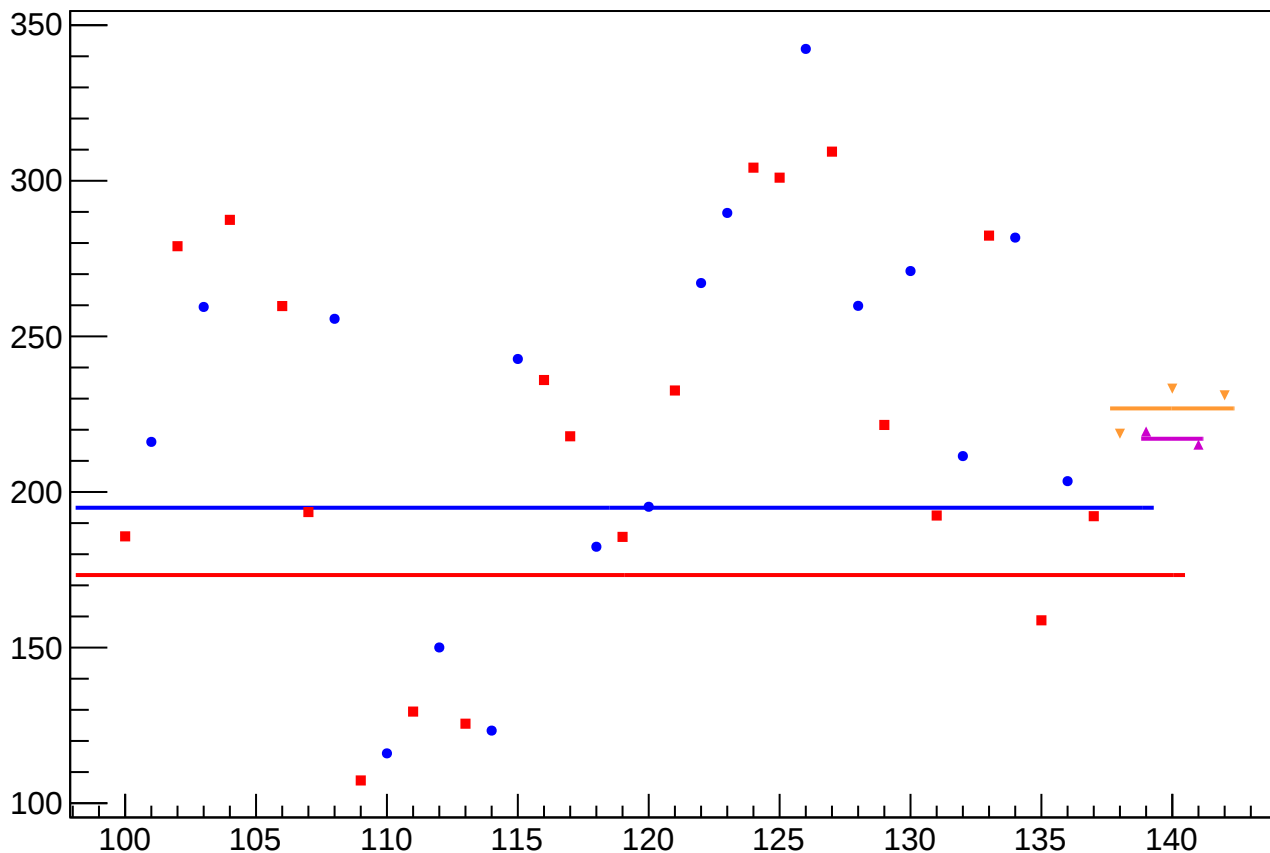
Right Out: -12.417+/-70.233 χ^2/NDF : 5.8/19

Left In: -224.559+/-174.845 χ^2/NDF : 0.7/1

62.736+/-71.873 χ^2/NDF : 7.3/19

-41.891+/-65.172 χ^2/NDF : 7.7/21

asym_bcm_an_us_rms vs Slug



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 226.851+/-0.116 χ^2/NDF : 3430.5/2

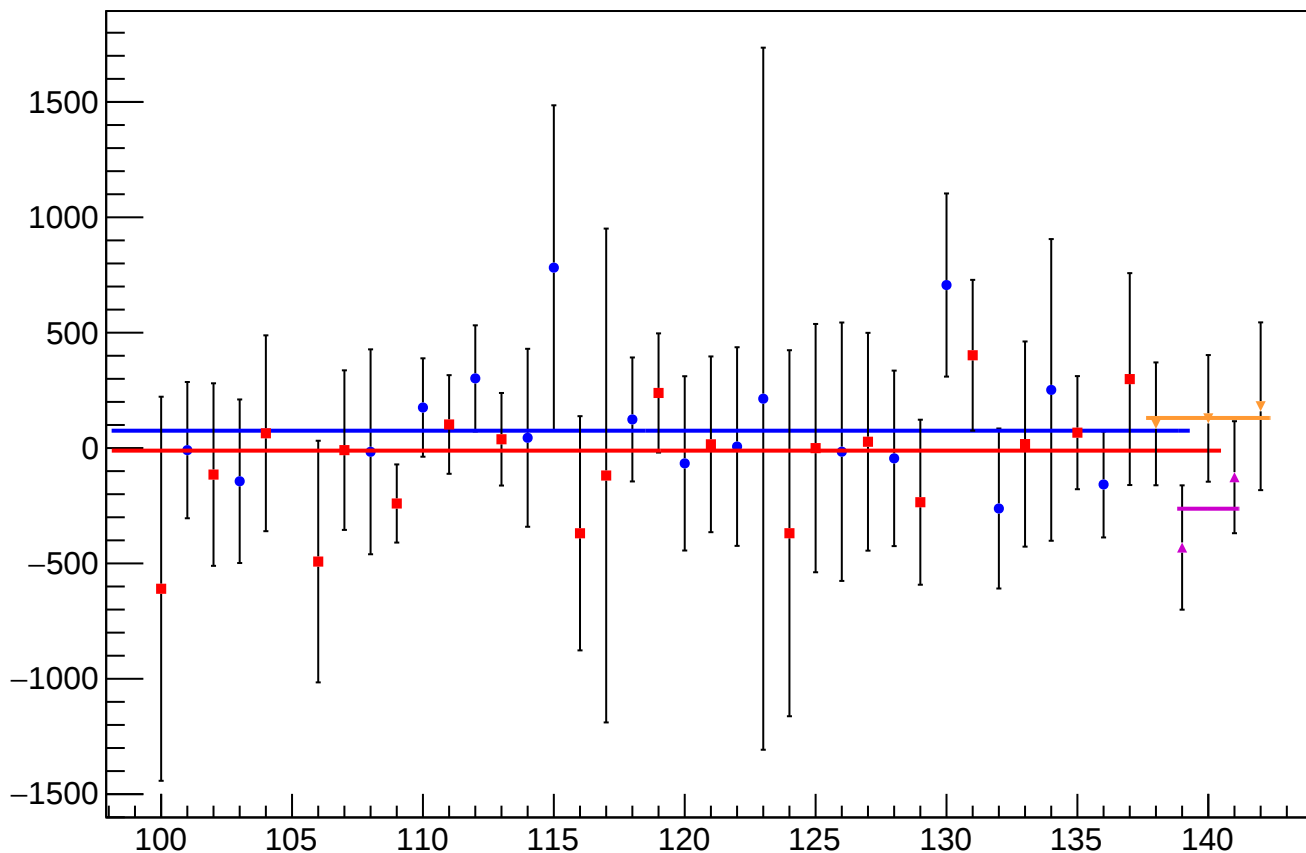
Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

Left In: 217.105+/-0.124 χ^2/NDF : 287.2/1

201.084+/-0.051 χ^2/NDF : 1051368.8/19

179.394+/-0.046 χ^2/NDF : 1656682.0/21

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 ± 82.504 $\chi^2/\text{NDF}: 7.6/16$

Left Out: 130.416 ± 169.137 $\chi^2/\text{NDF}: 0.0/2$

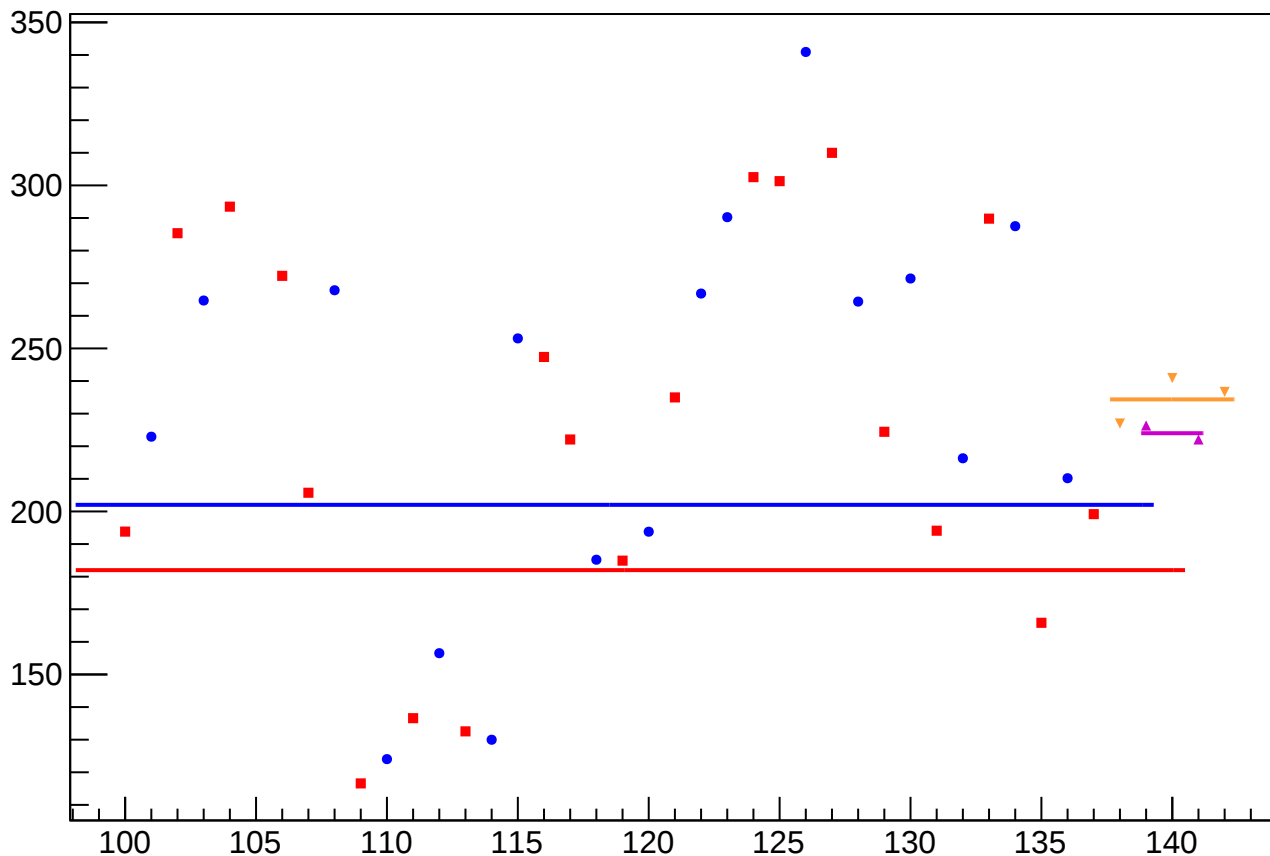
Right Out: -11.180 ± 73.166 $\chi^2/\text{NDF}: 7.8/19$

Left In: -262.897 ± 180.330 $\chi^2/\text{NDF}: 0.7/1$

85.818 ± 74.153 $\chi^2/\text{NDF}: 7.7/19$

-46.761 ± 67.798 $\chi^2/\text{NDF}: 10.2/21$

asym_bcm_dg_us_rms vs Slug



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 234.367+/-0.120 χ^2/NDF : 2760.2/2

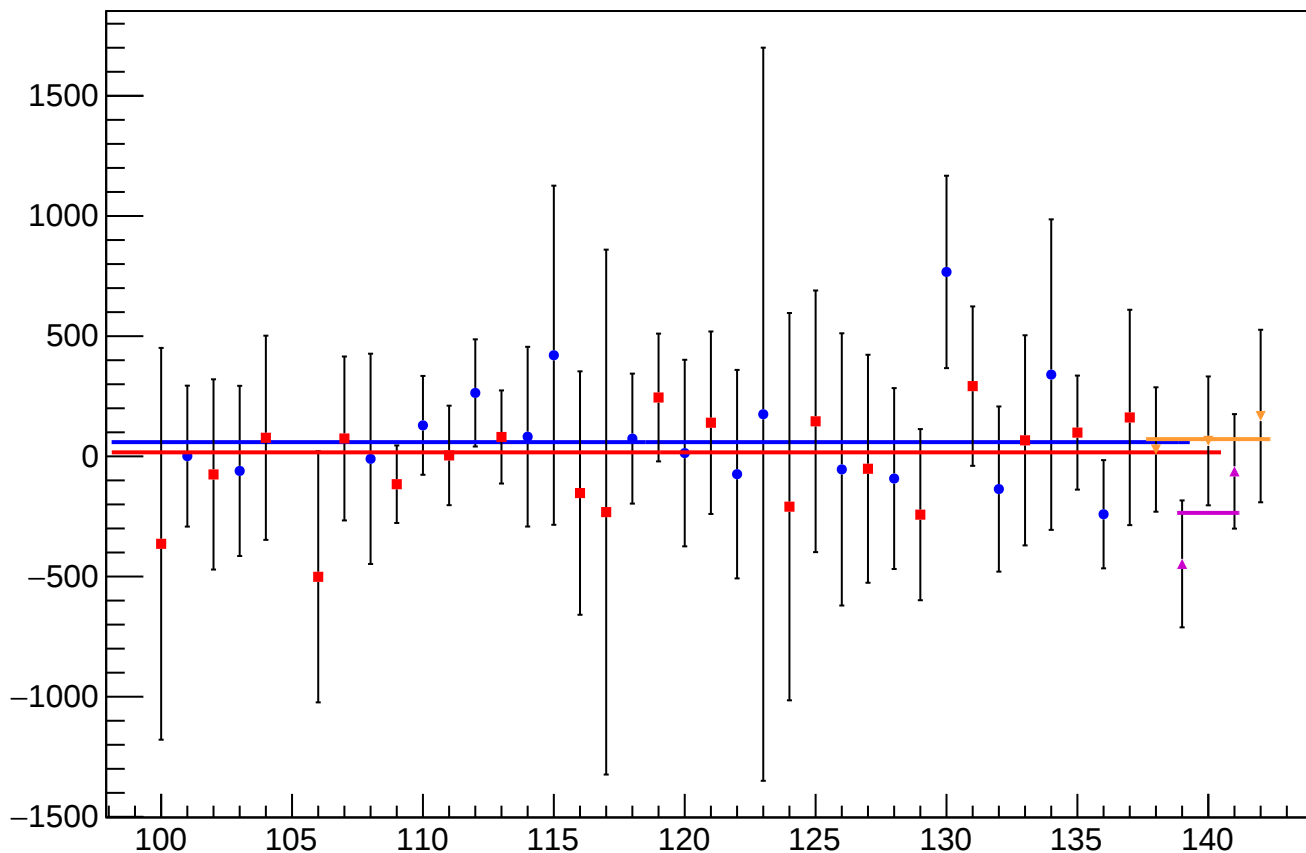
Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

Left In: 223.994+/-0.128 χ^2/NDF : 278.6/1

208.245+/-0.052 χ^2/NDF : 943425.9/19

187.936+/-0.048 χ^2/NDF : 1473765.8/21

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 71.668+/-165.287 χ^2/NDF : 0.1/2

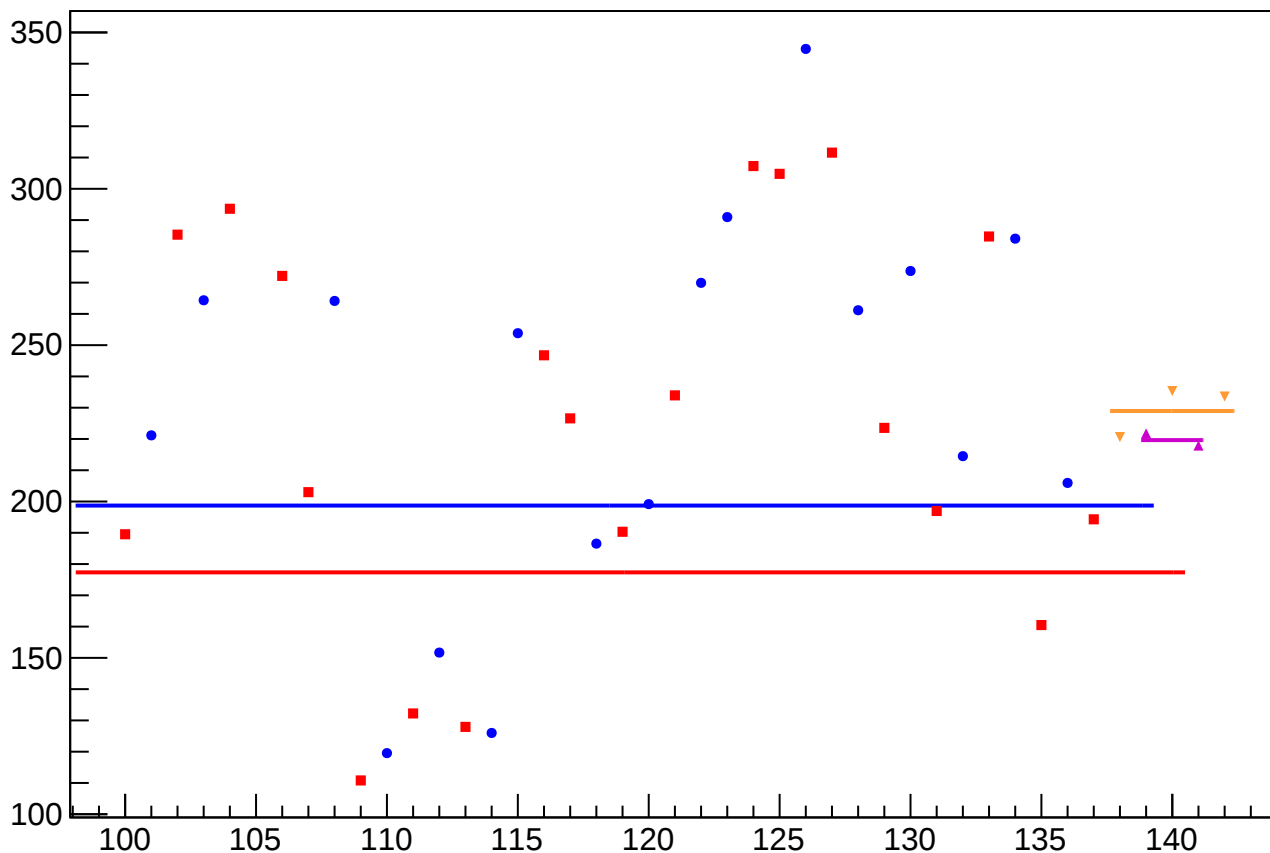
Right Out: 16.650+/-71.745 χ^2/NDF : 4.7/19

Left In: -235.167+/-176.862 χ^2/NDF : 1.2/1

61.614+/-73.037 χ^2/NDF : 7.2/19

-18.932+/-66.483 χ^2/NDF : 7.6/21

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704+/-0.058 χ^2/NDF : 963394.4/16

Left Out: 228.951+/-0.117 χ^2/NDF :3542.4/2

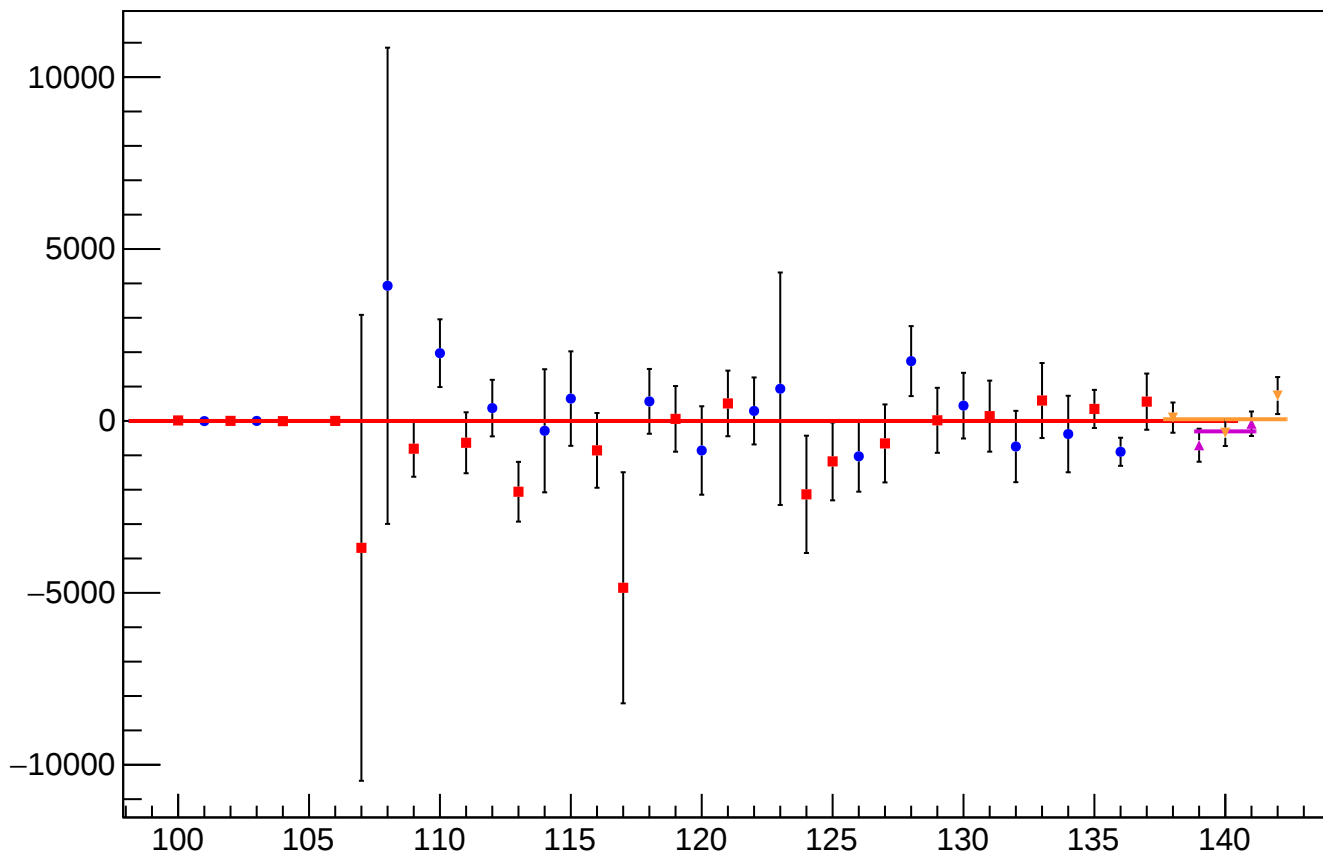
Right Out: 177.338+/-0.051 χ^2/NDF : 1528976.8/19

Left In: 219.637+/-0.125 χ^2/NDF :238.1/1

204.610+/-0.052 χ^2/NDF : 1020834.7/19

183.315+/-0.047 χ^2/NDF : 1627448.0/21

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: 49.409 ± 255.543 χ^2/NDF : 2.7/2

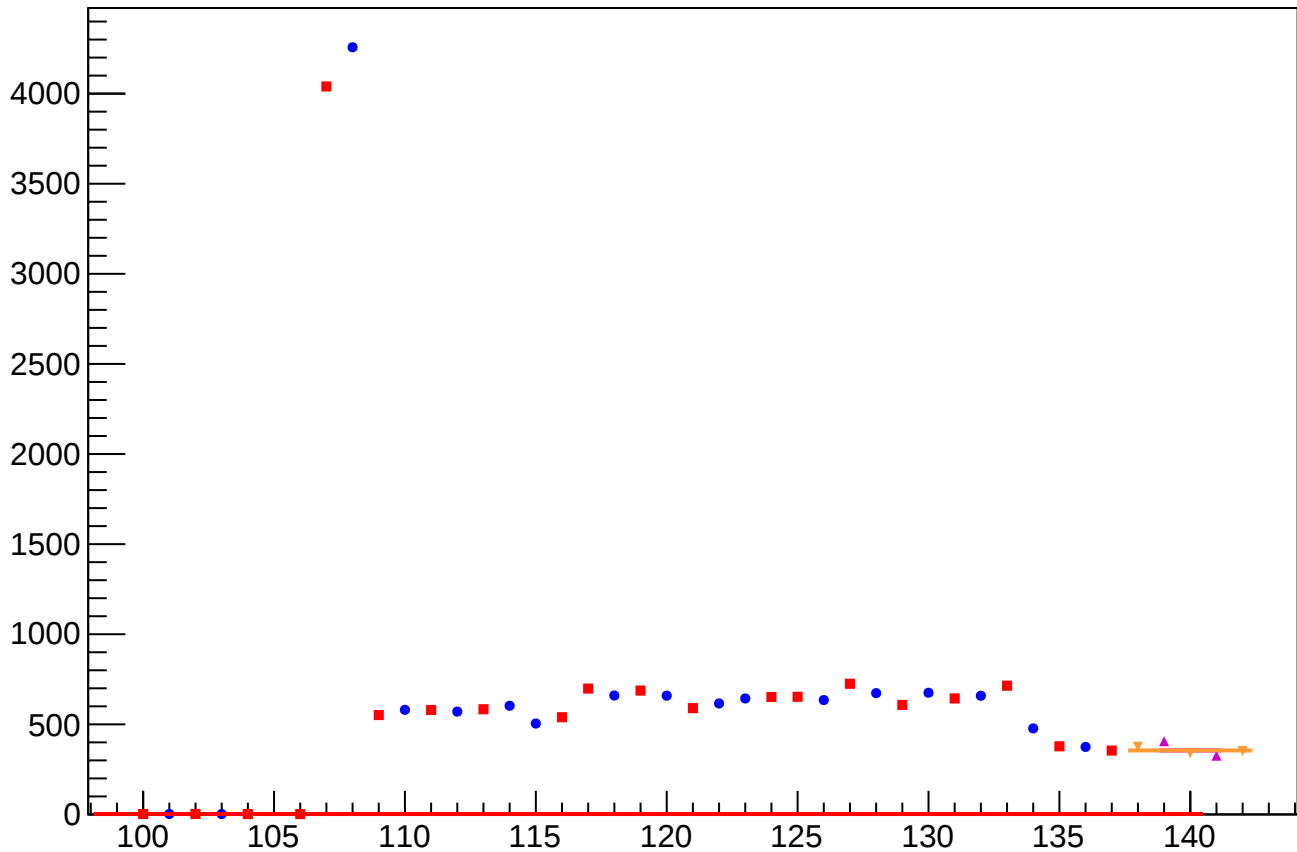
Right Out: -0.733 ± 2.111 χ^2/NDF : 20.5/19

Left In: -303.443 ± 285.972 χ^2/NDF : 1.1/1

-1.525 ± 2.251 χ^2/NDF : 19.4/19

-0.750 ± 2.111 χ^2/NDF : 22.7/21

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 355.097+/-0.181 χ^2/NDF : 7181.8/2

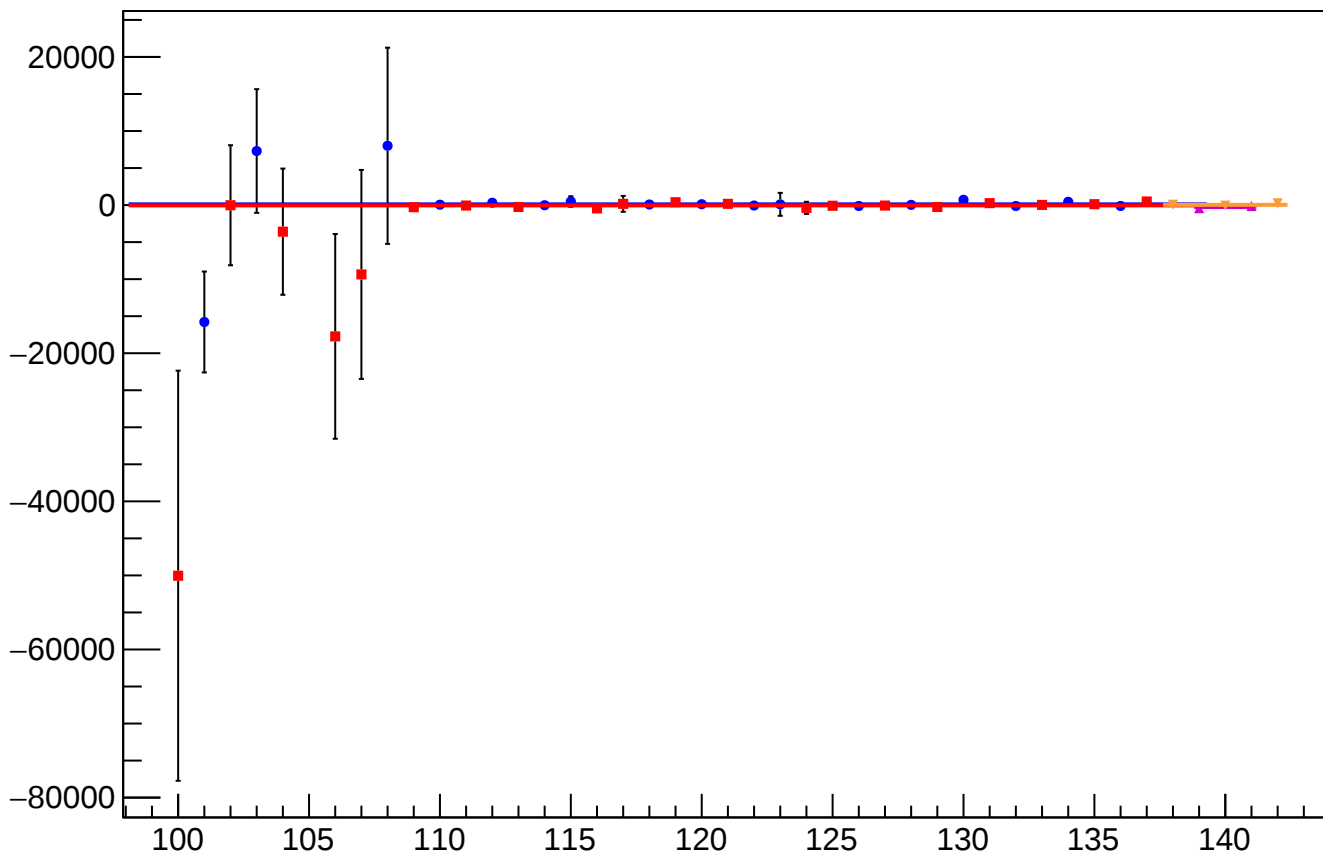
Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

Left In: 354.864+/-0.202 χ^2/NDF : 36228.2/1

2.483+/-0.002 χ^2/NDF : 14521857.5/19

2.456+/-0.001 χ^2/NDF : 14299597.5/21

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 31.910+/-167.318 χ^2/NDF : 0.4/2

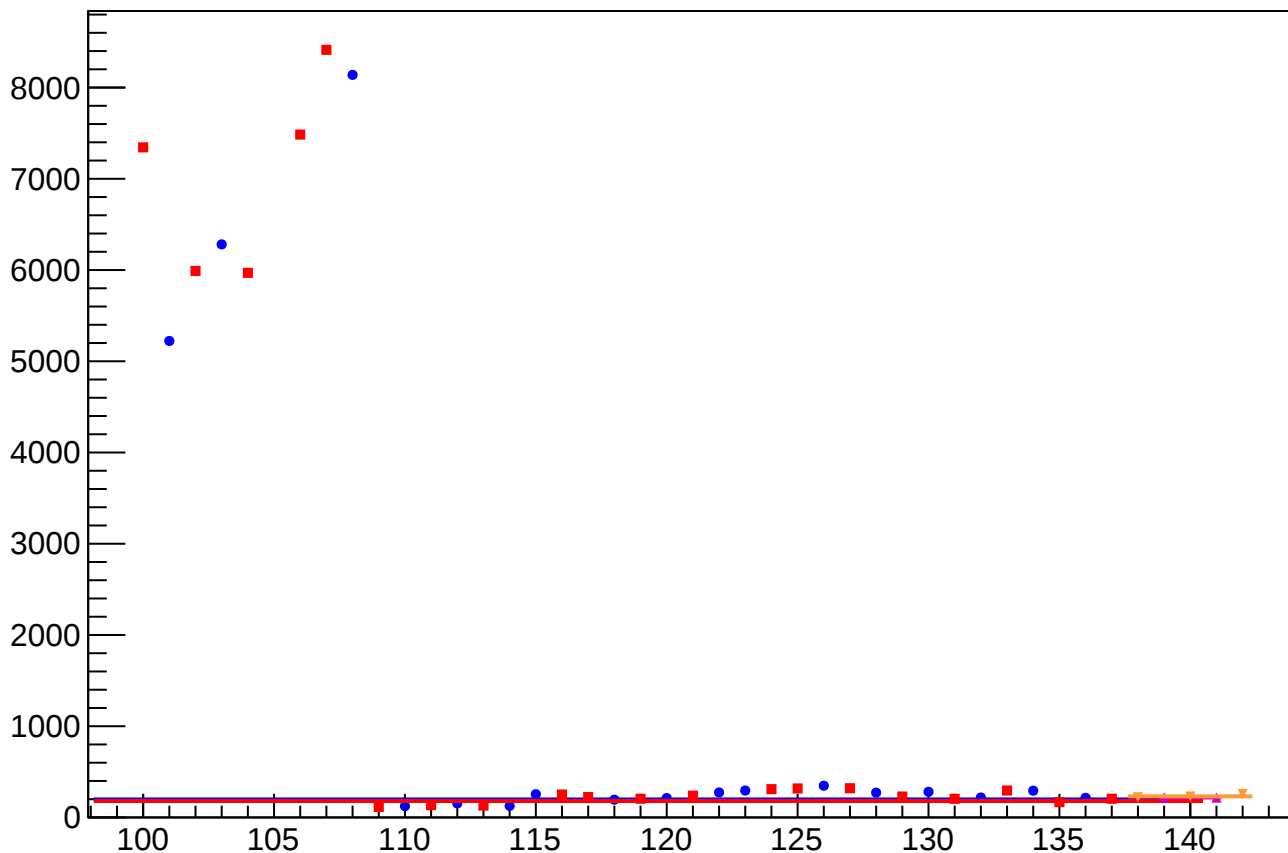
Right Out: -41.335+/-84.288 χ^2/NDF : 14.0/19

Left In: -257.500+/-176.434 χ^2/NDF : 0.7/1

80.696+/-80.420 χ^2/NDF : 12.5/19

-81.502+/-76.054 χ^2/NDF : 16.0/21

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 231.121+/-0.118 χ^2/NDF :11804.1/2

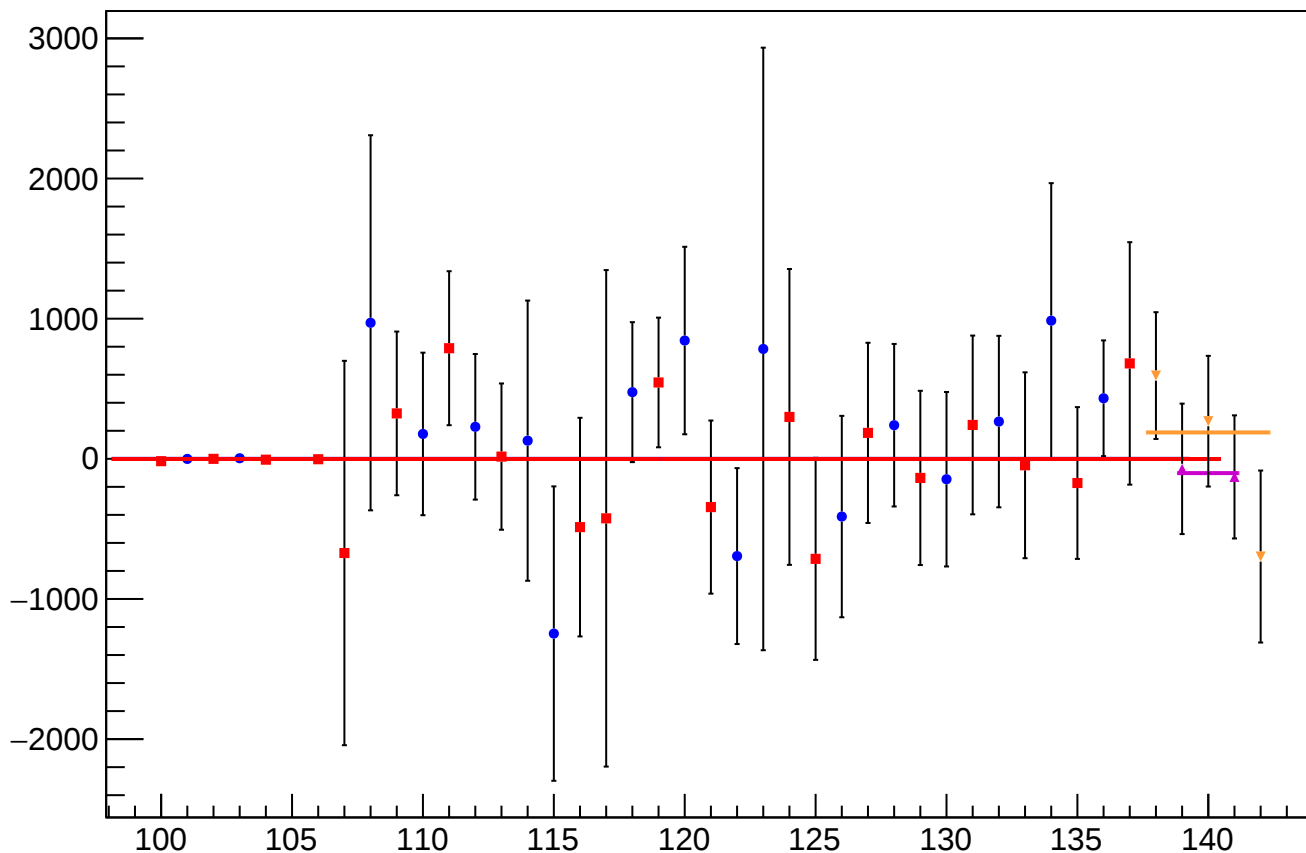
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 218.707+/-0.125 χ^2/NDF :136.6/1

205.207+/-0.057 χ^2/NDF : 3770040.8/19

187.396+/-0.054 χ^2/NDF : 4402183.1/21

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 188.307 ± 286.967 χ^2/NDF : 2.9/2

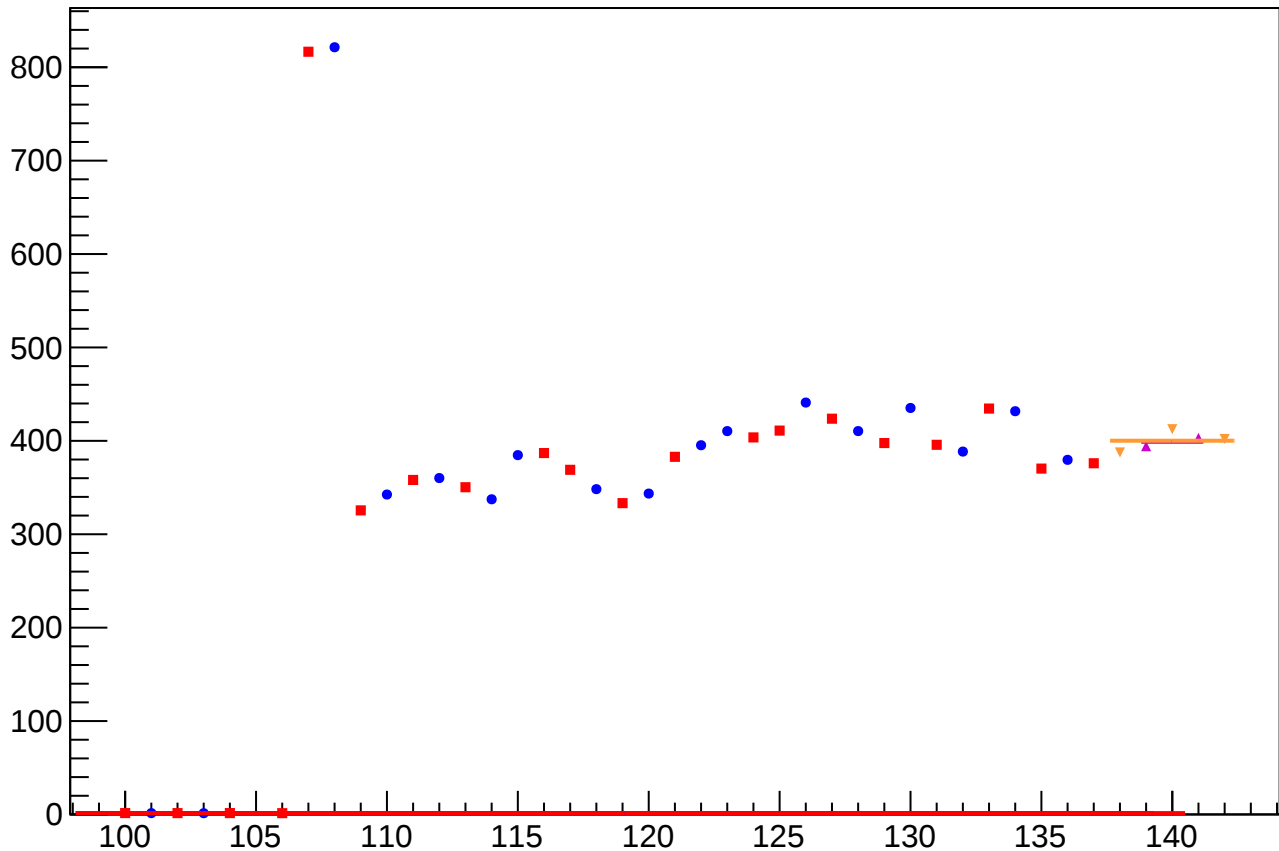
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.6/19

Left In: -101.958 ± 319.466 χ^2/NDF : 0.0/1

-0.132 ± 1.737 χ^2/NDF : 13.1/19

-1.327 ± 1.623 χ^2/NDF : 9.7/21

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 400.149+/-0.203 χ^2/NDF : 2954.0/2

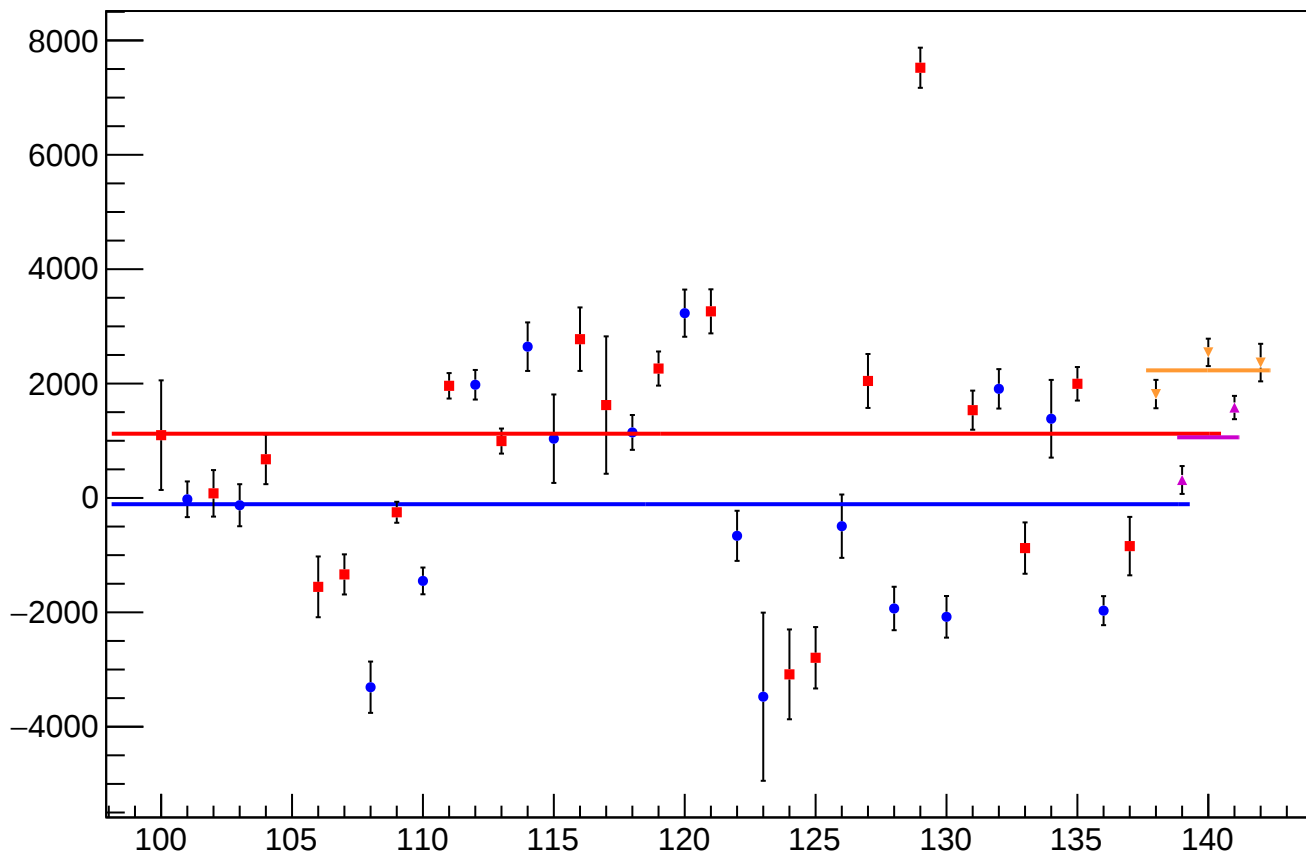
Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

Left In: 399.010+/-0.226 χ^2/NDF : 388.9/1

1.467+/-0.001 χ^2/NDF : 14679276.6/19

1.462+/-0.001 χ^2/NDF : 14057247.4/21

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 χ^2/NDF : 428.3/16

Left Out: 2230.965 ± 152.595 χ^2/NDF : 4.7/2

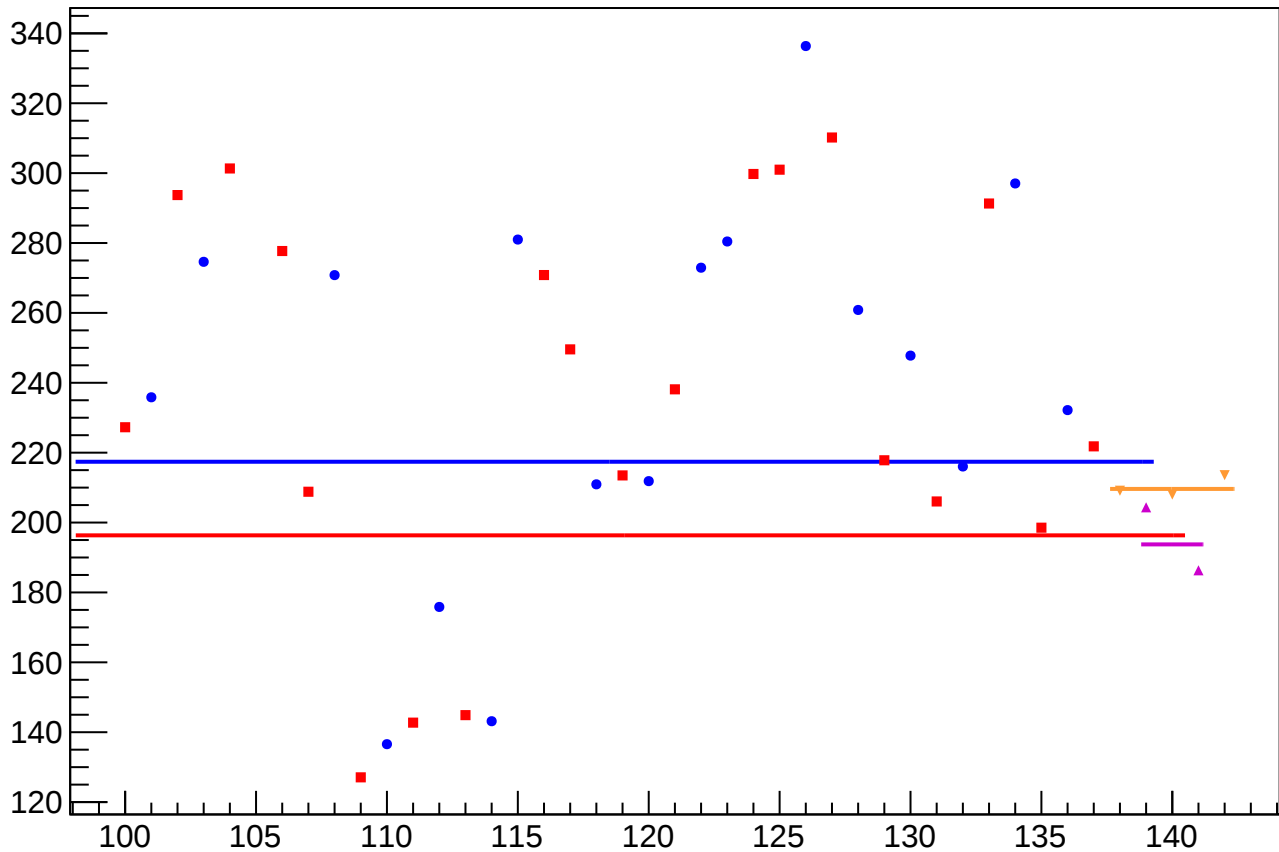
Right Out: 1123.337 ± 78.230 χ^2/NDF : 670.2/19

Left In: 1060.122 ± 156.281 χ^2/NDF : 15.9/1

474.433 ± 76.207 χ^2/NDF : 609.6/19

1110.671 ± 69.955 χ^2/NDF : 686.3/21

asym_bcm0l02_rms vs Slug



Right In: 217.403 ± 0.062 χ^2/NDF : 652632.9/16

Left Out: 209.624 ± 0.108 χ^2/NDF : 386.9/2

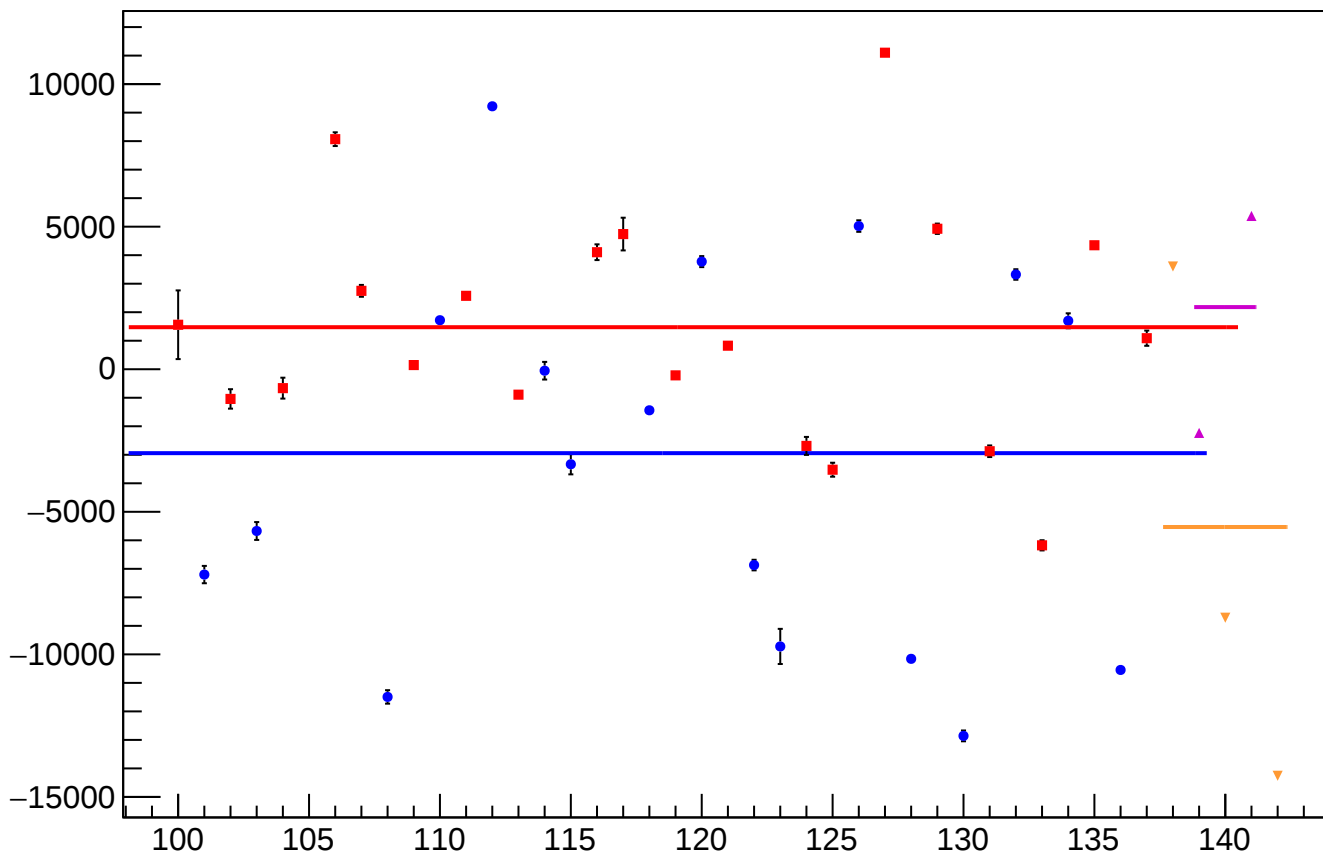
Right Out: 196.339 ± 0.055 χ^2/NDF : 1194805.7/19

Left In: 193.749 ± 0.111 χ^2/NDF : 6442.7/1

215.463 ± 0.054 χ^2/NDF : 656921.1/19

195.820 ± 0.049 χ^2/NDF : 1201687.5/21

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -5533.375 ± 84.045 $\chi^2/\text{NDF}: 7294.0/2$

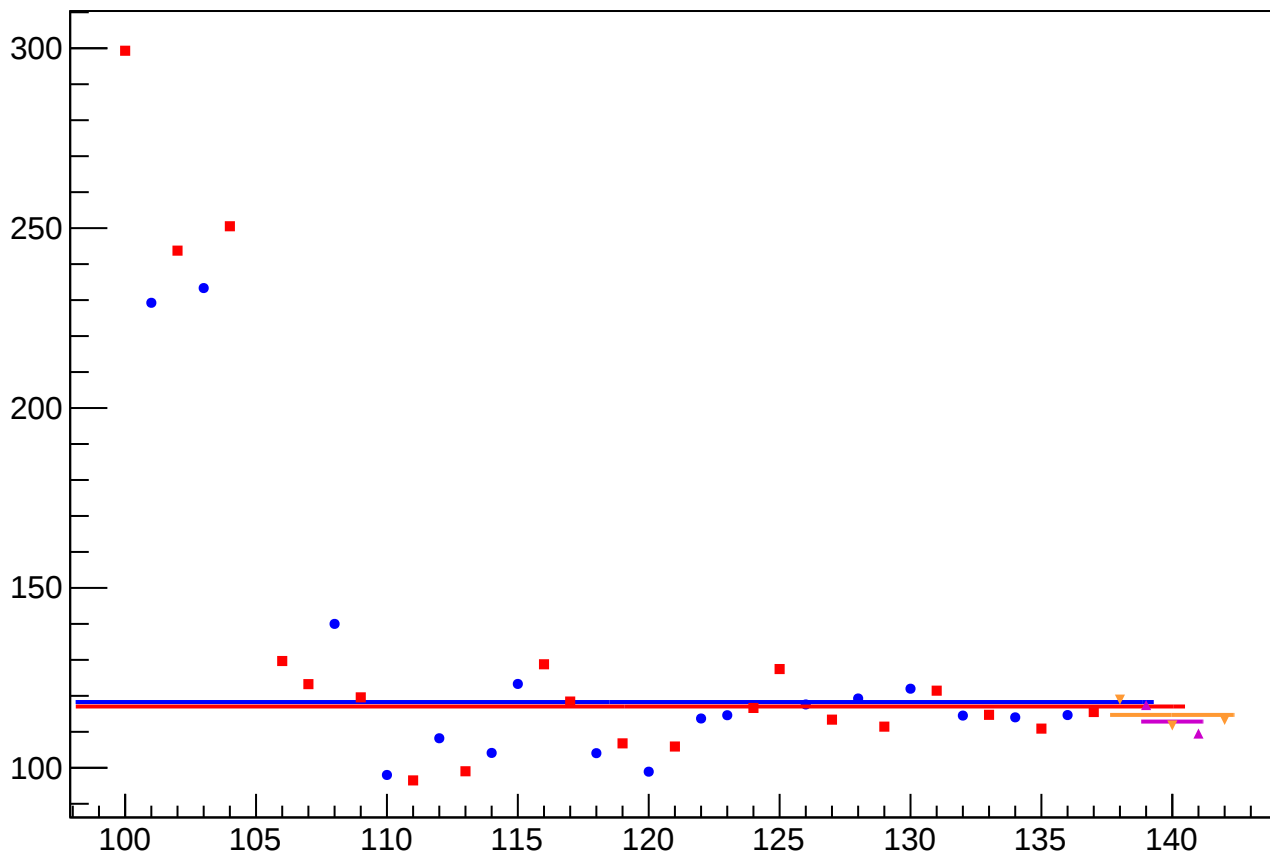
Right Out: 1474.497 ± 46.252 $\chi^2/\text{NDF}: 8028.6/19$

Left In: 2179.814 ± 92.048 $\chi^2/\text{NDF}: 1664.6/1$

-3592.467 ± 42.080 $\chi^2/\text{NDF}: 28915.6/19$

1616.682 ± 41.328 $\chi^2/\text{NDF}: 9740.1/21$

asym_bpm2i01WS_rms vs Slug



Right In: 118.286 ± 0.034 χ^2/NDF : 636918.0/16

Left Out: 114.702 ± 0.059 χ^2/NDF : 2970.9/2

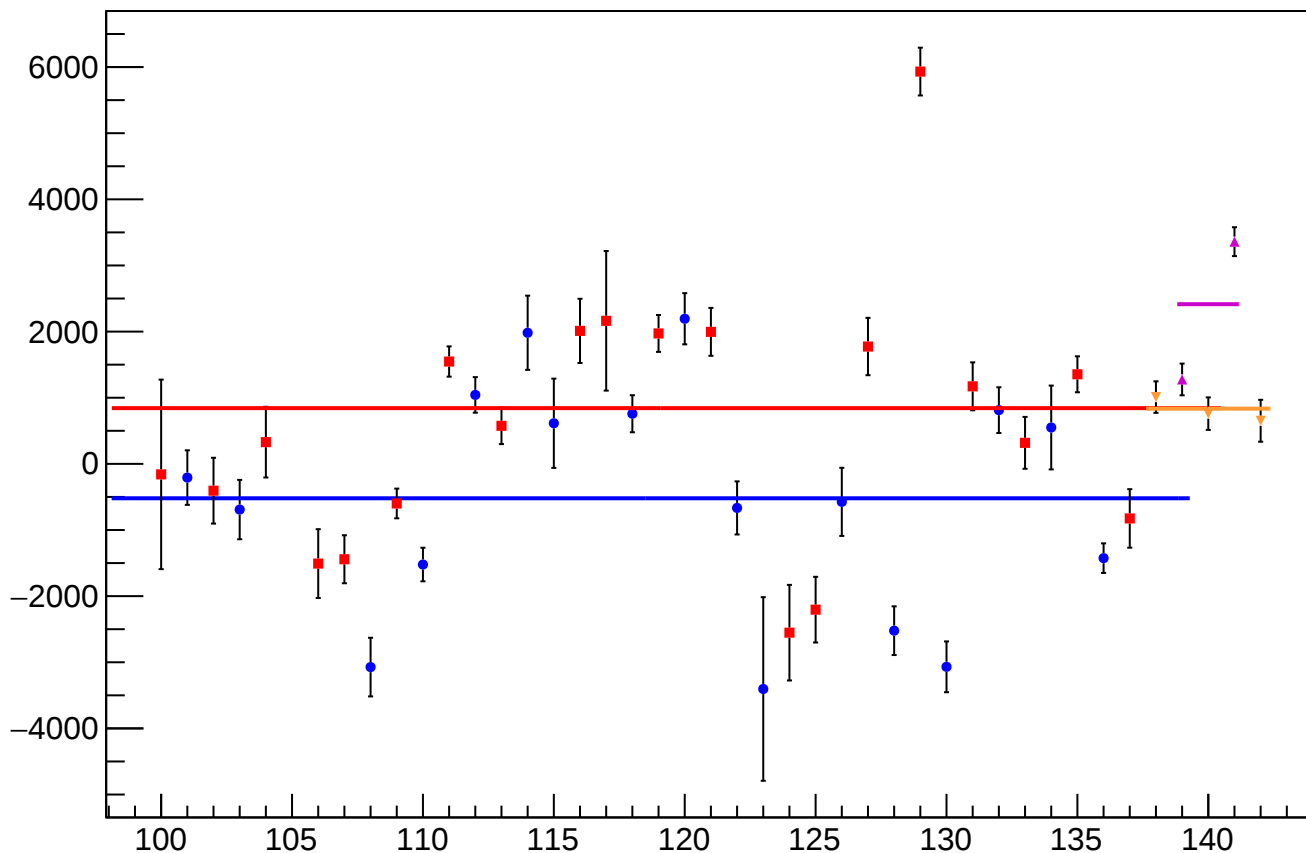
Right Out: 117.040 ± 0.033 χ^2/NDF : 690873.1/19

Left In: 112.850 ± 0.065 χ^2/NDF : 3612.6/1

117.387 ± 0.030 χ^2/NDF : 642612.9/19

116.196 ± 0.029 χ^2/NDF : 697795.3/21

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 835.191 ± 150.486 χ^2/NDF : 1.0/2

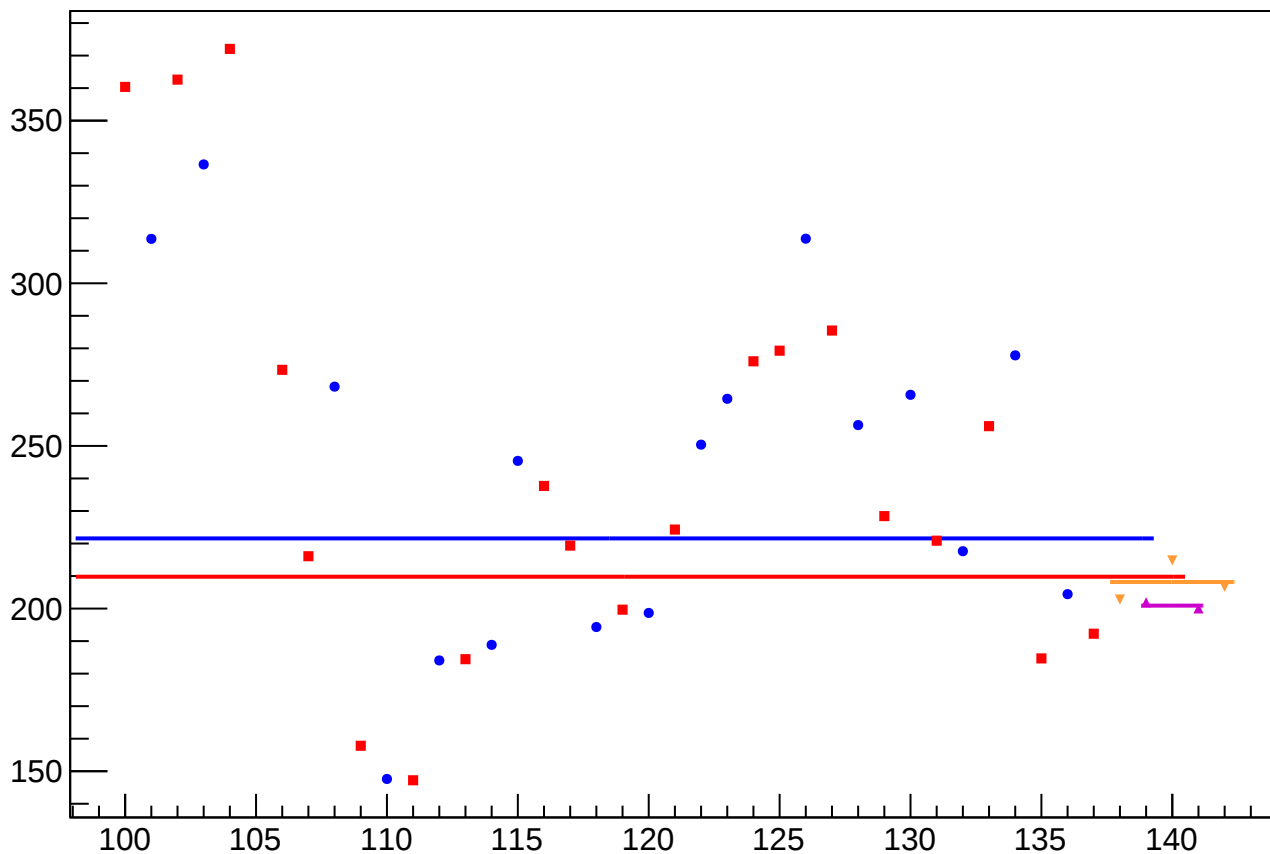
Right Out: 842.858 ± 82.024 χ^2/NDF : 436.3/19

Left In: 2414.192 ± 161.458 χ^2/NDF : 41.3/1

-167.613 ± 76.759 χ^2/NDF : 349.1/19

1165.206 ± 73.129 χ^2/NDF : 552.8/21

asym_bpm0i07WS_rms vs Slug



Right In: 221.570+/-0.063 χ^2/NDF : 644941.4/16

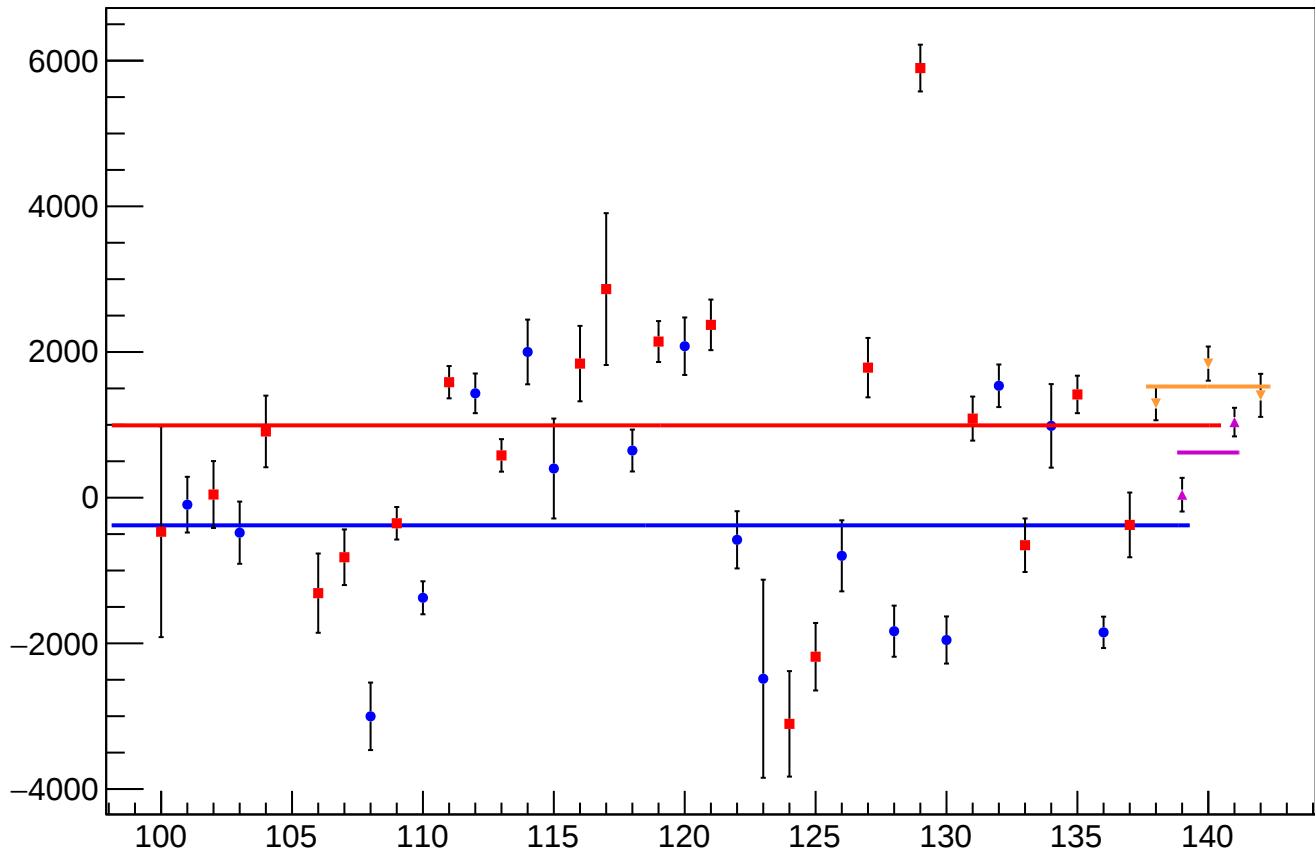
Left Out: 208.173+/-0.106 χ^2/NDF :2522.9/2

Right Out: 209.794+/-0.058 χ^2/NDF : 884087.4/19

Left In: 200.909+/-0.114 χ^2/NDF :68.0/1

218.084+/-0.054 χ^2/NDF : 659190.3/19

207.971+/-0.052 χ^2/NDF : 888970.1/21



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1526.135 ± 143.871 χ^2/NDF : 3.0/2

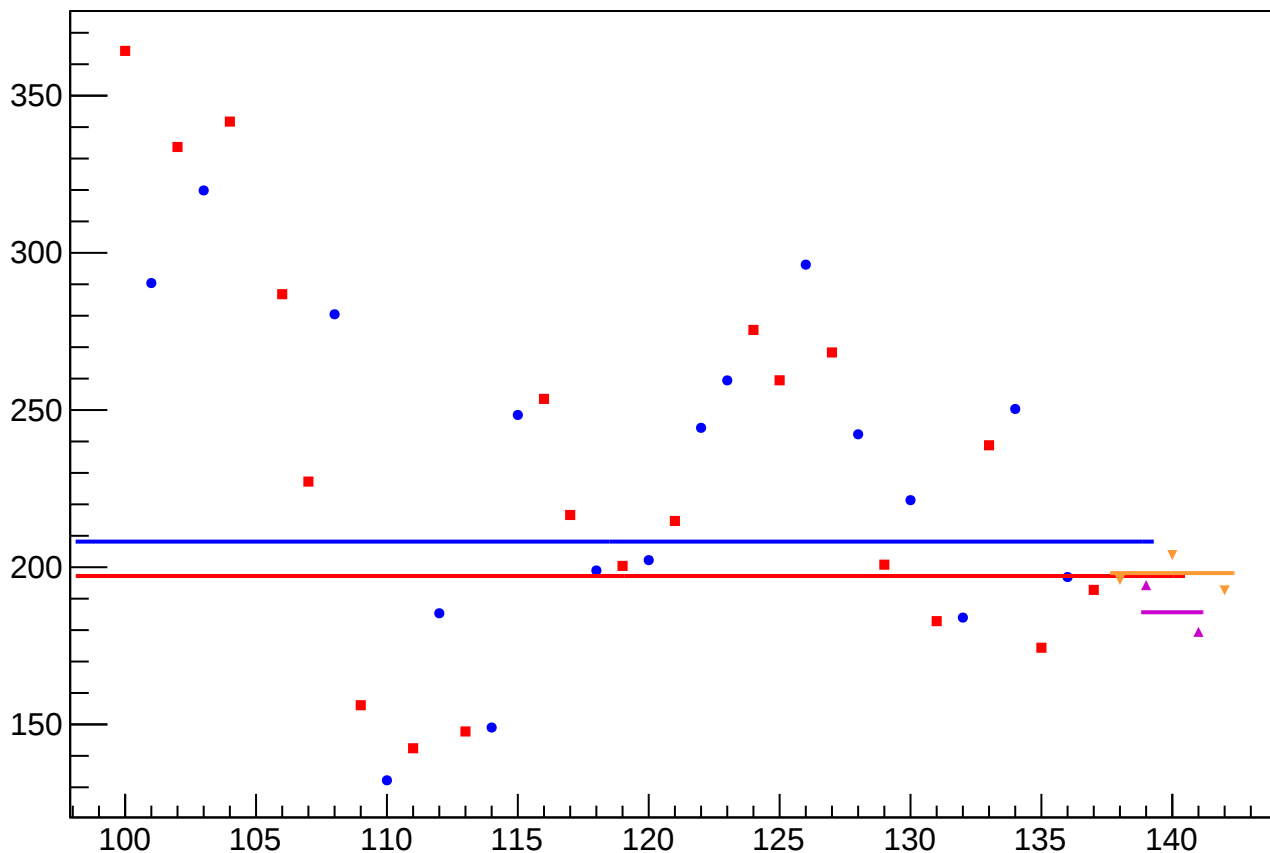
Right Out: 992.944 ± 77.509 χ^2/NDF : 479.5/19

Left In: 620.239 ± 149.564 χ^2/NDF : 10.8/1

107.087 ± 72.708 χ^2/NDF : 450.8/19

914.039 ± 68.817 χ^2/NDF : 495.2/21

asym_bpm0l01WS_rms vs Slug



Right In: 208.151 ± 0.060 χ^2/NDF : 699084.2/16

Left Out: 198.136 ± 0.102 χ^2/NDF : 2069.0/2

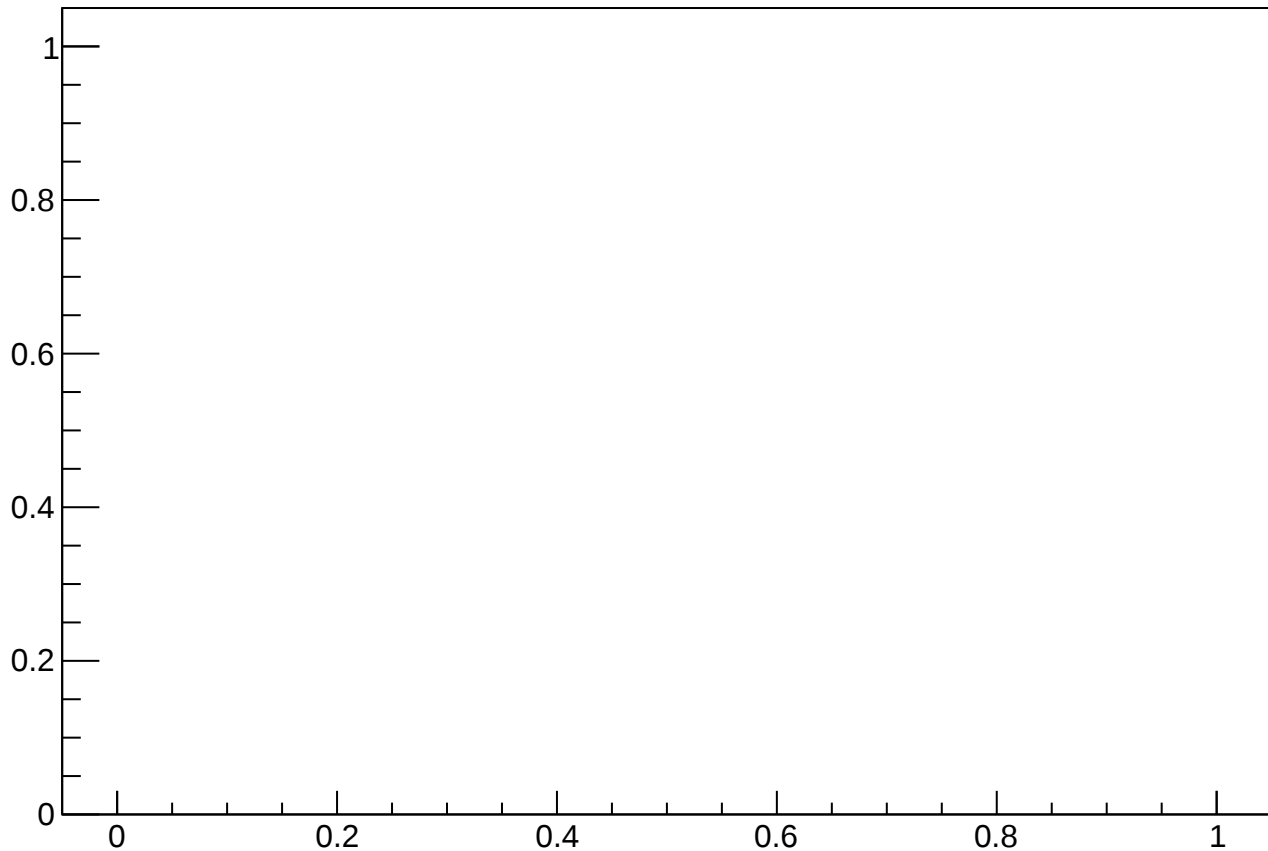
Right Out: 197.210 ± 0.055 χ^2/NDF : 927165.0/19

Left In: 185.677 ± 0.106 χ^2/NDF : 4804.6/1

205.593 ± 0.051 χ^2/NDF : 708368.9/19

194.769 ± 0.049 χ^2/NDF : 941344.9/21

bcm_an_us_ds_dd_mean vs Slug



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

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

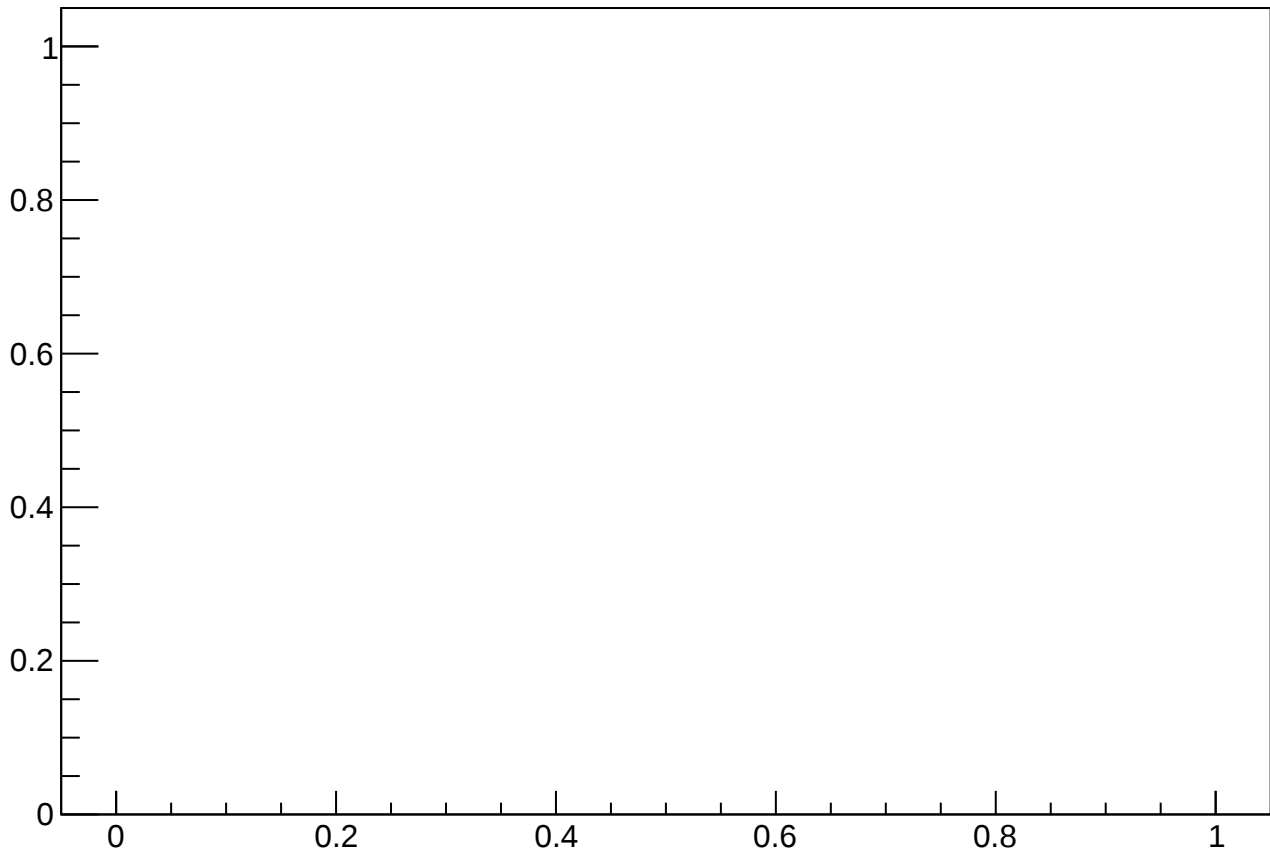
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

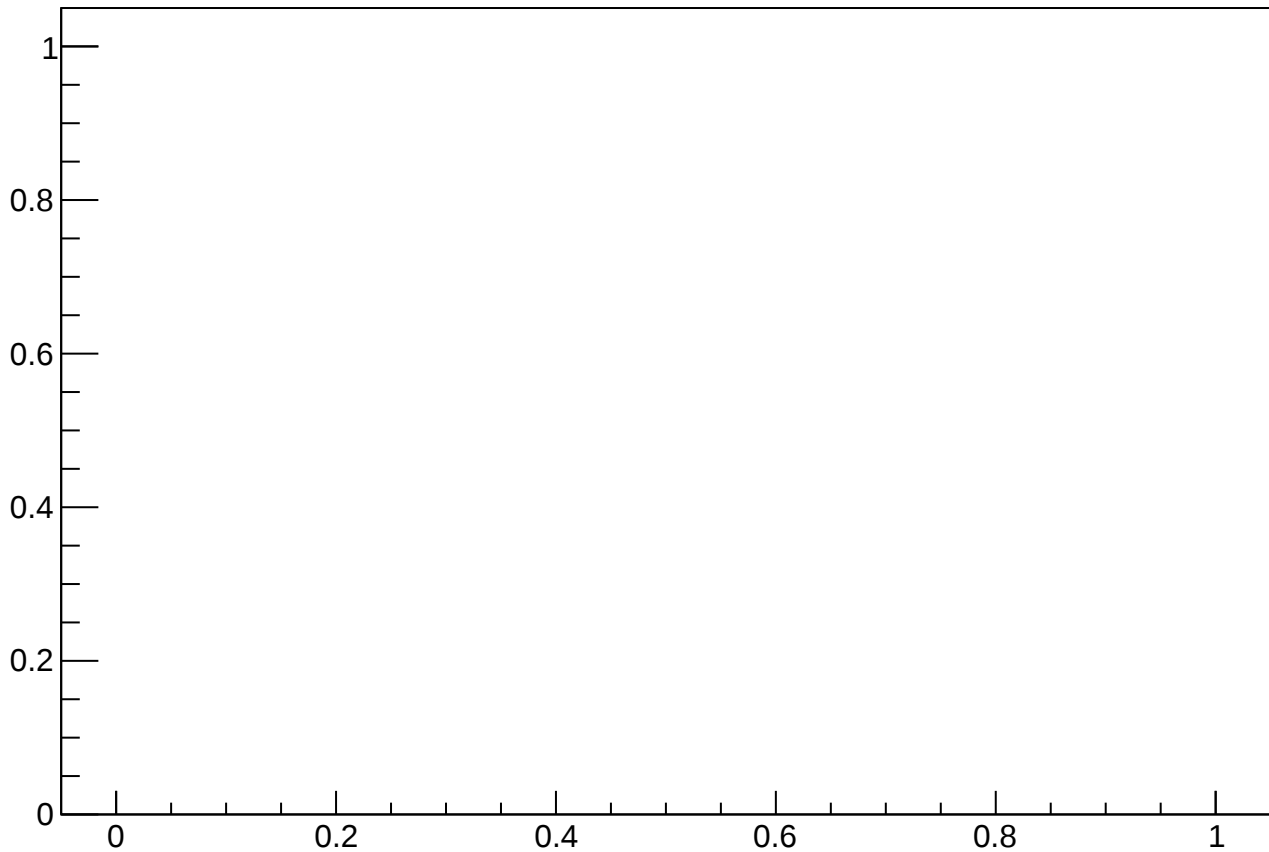
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

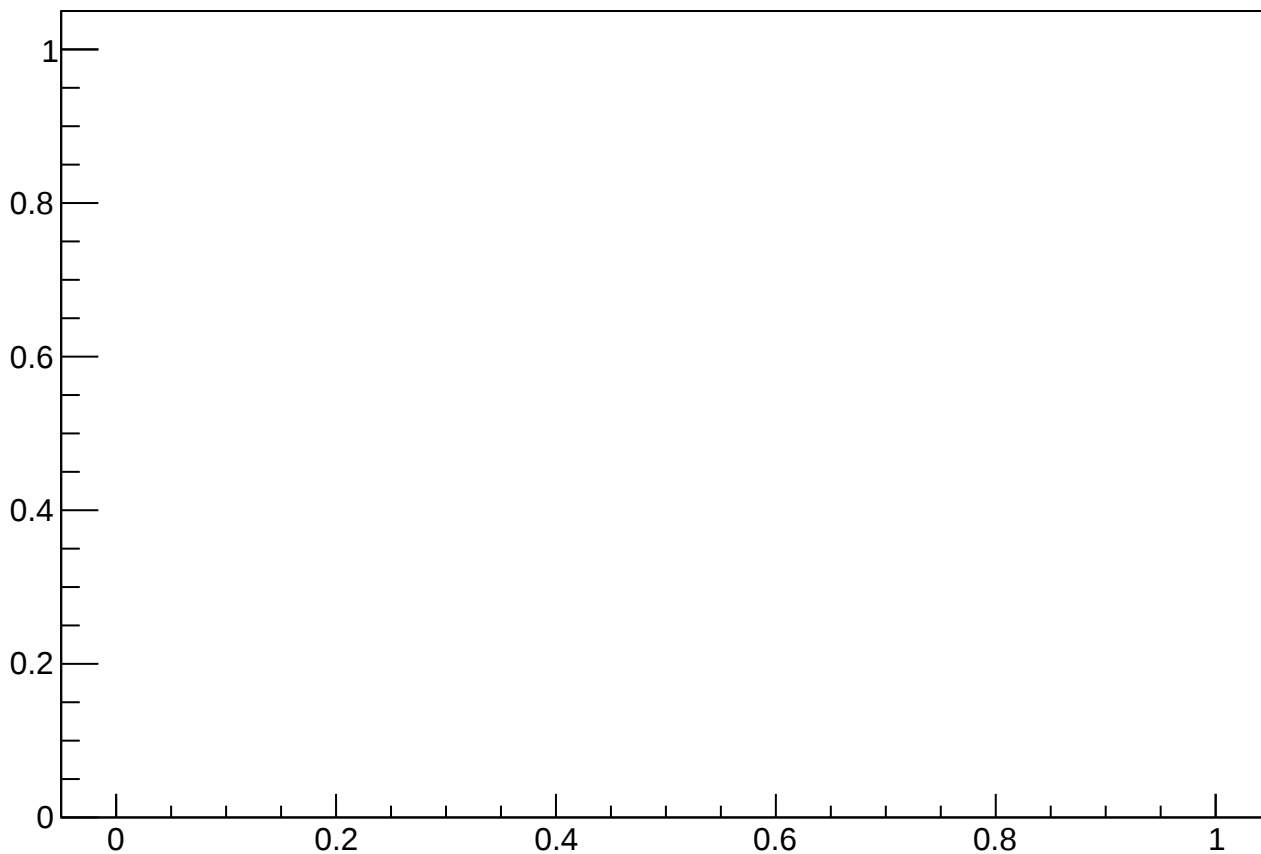
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

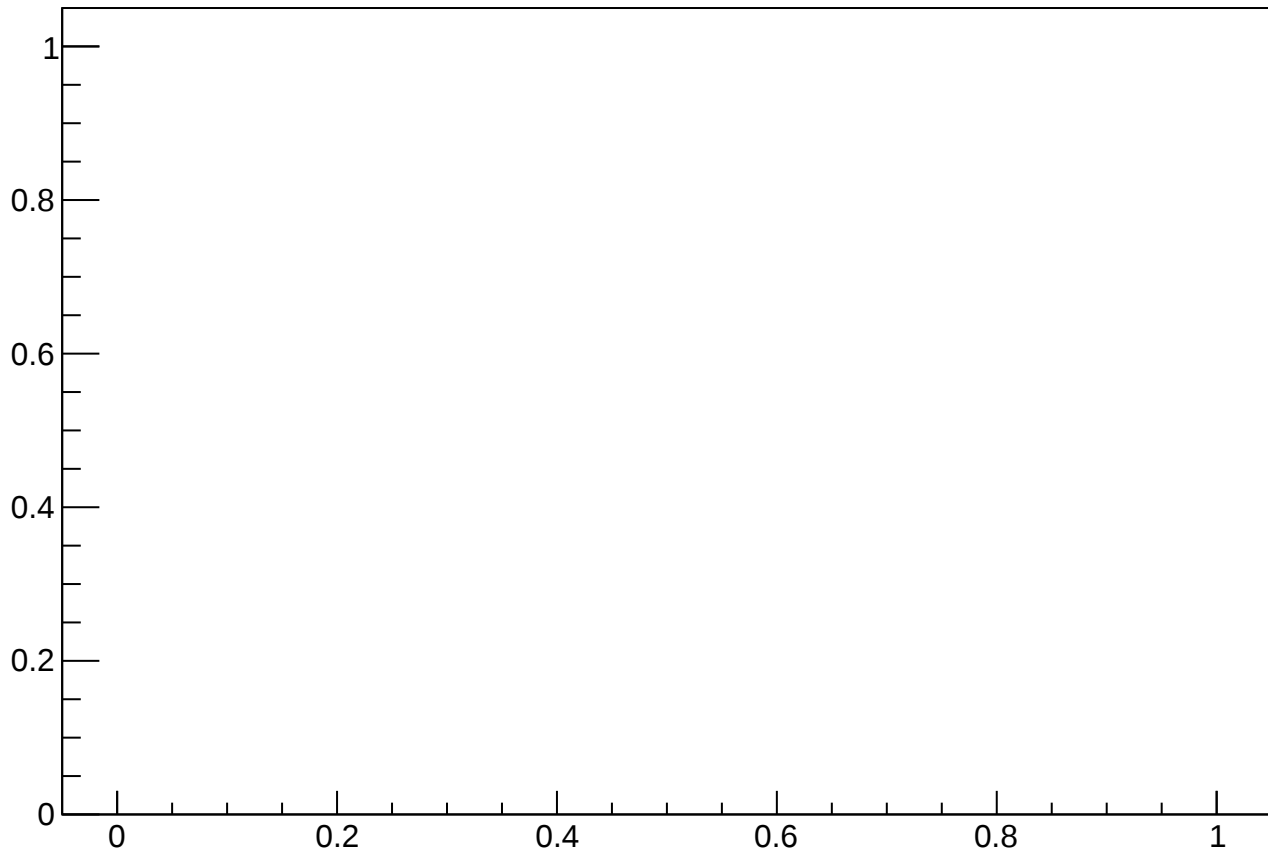
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

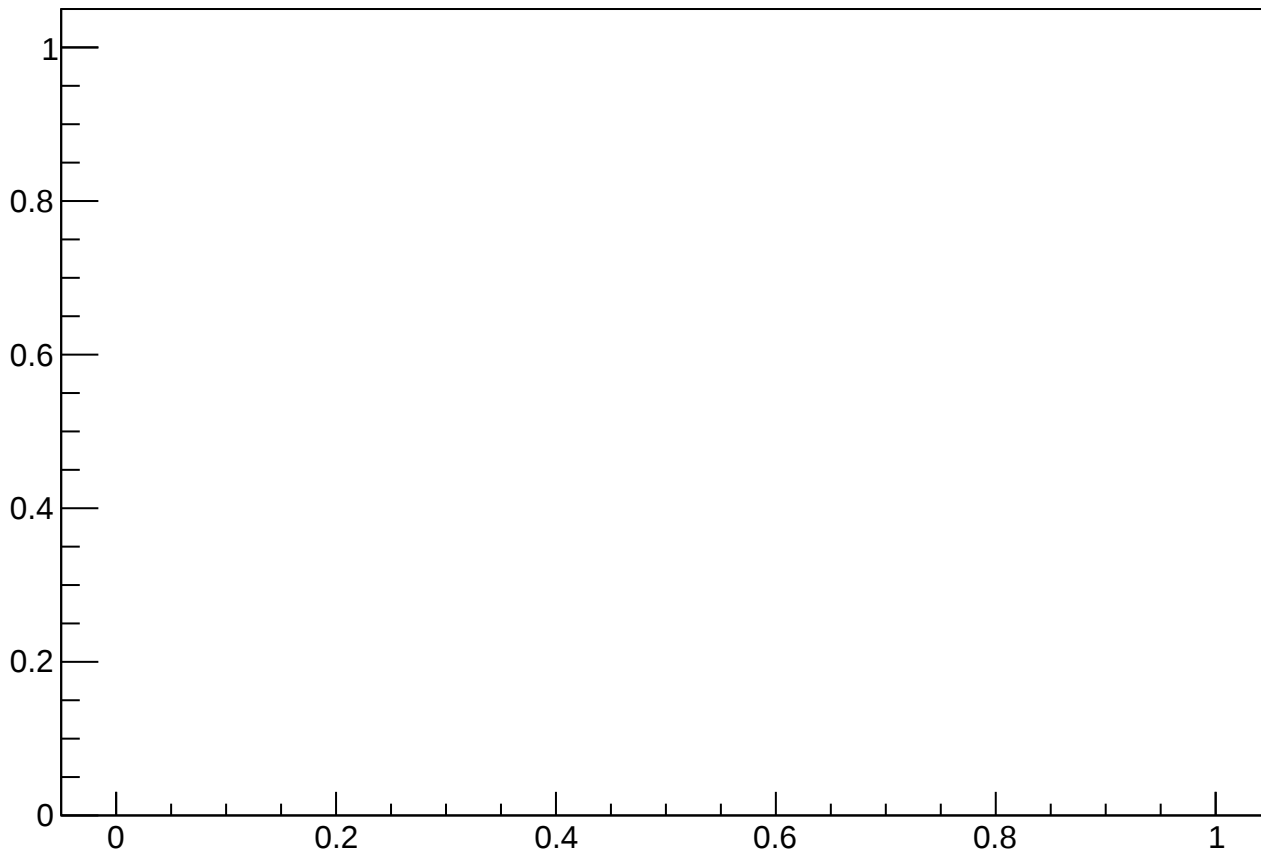
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

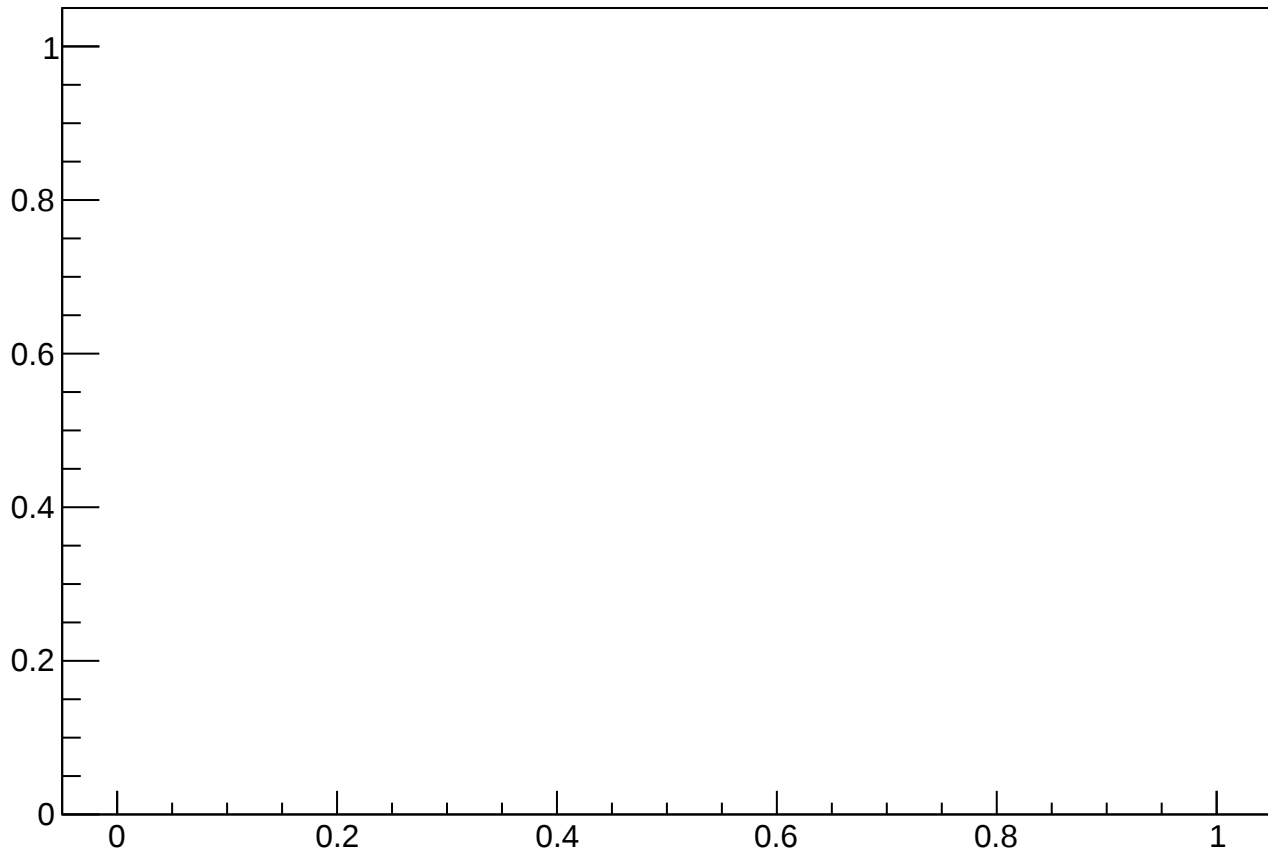
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

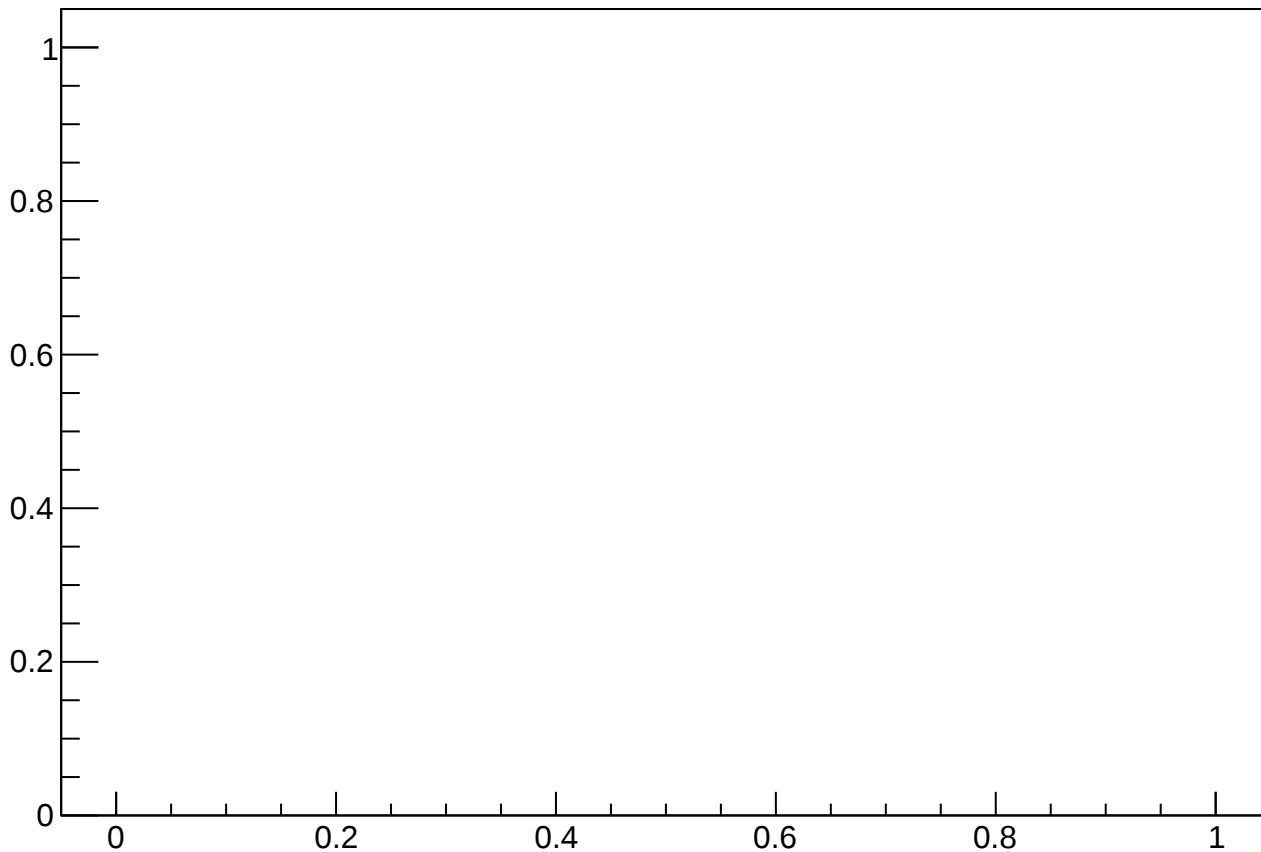
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

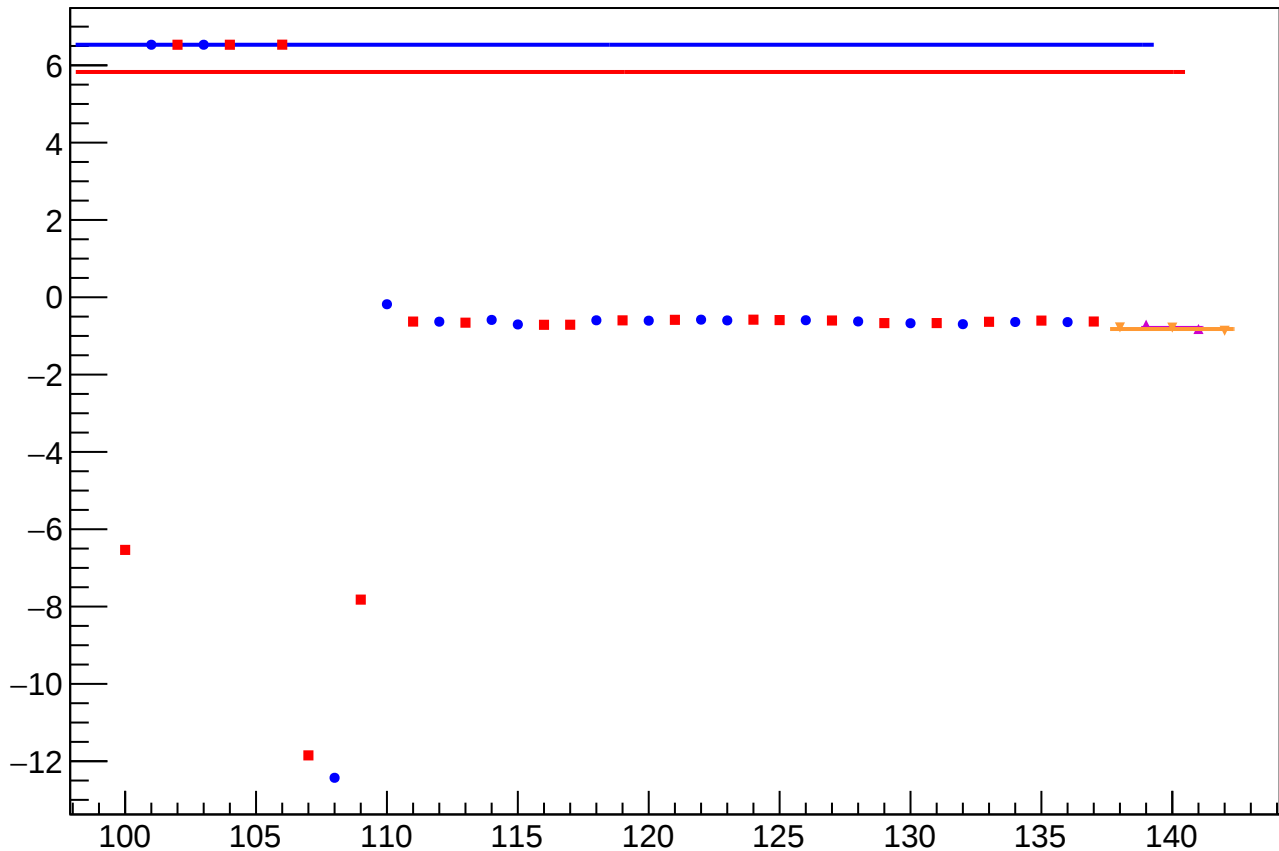
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Left Out: -0.821 $\pm$ 0.000 χ^2 /NDF: 2126857.4/2

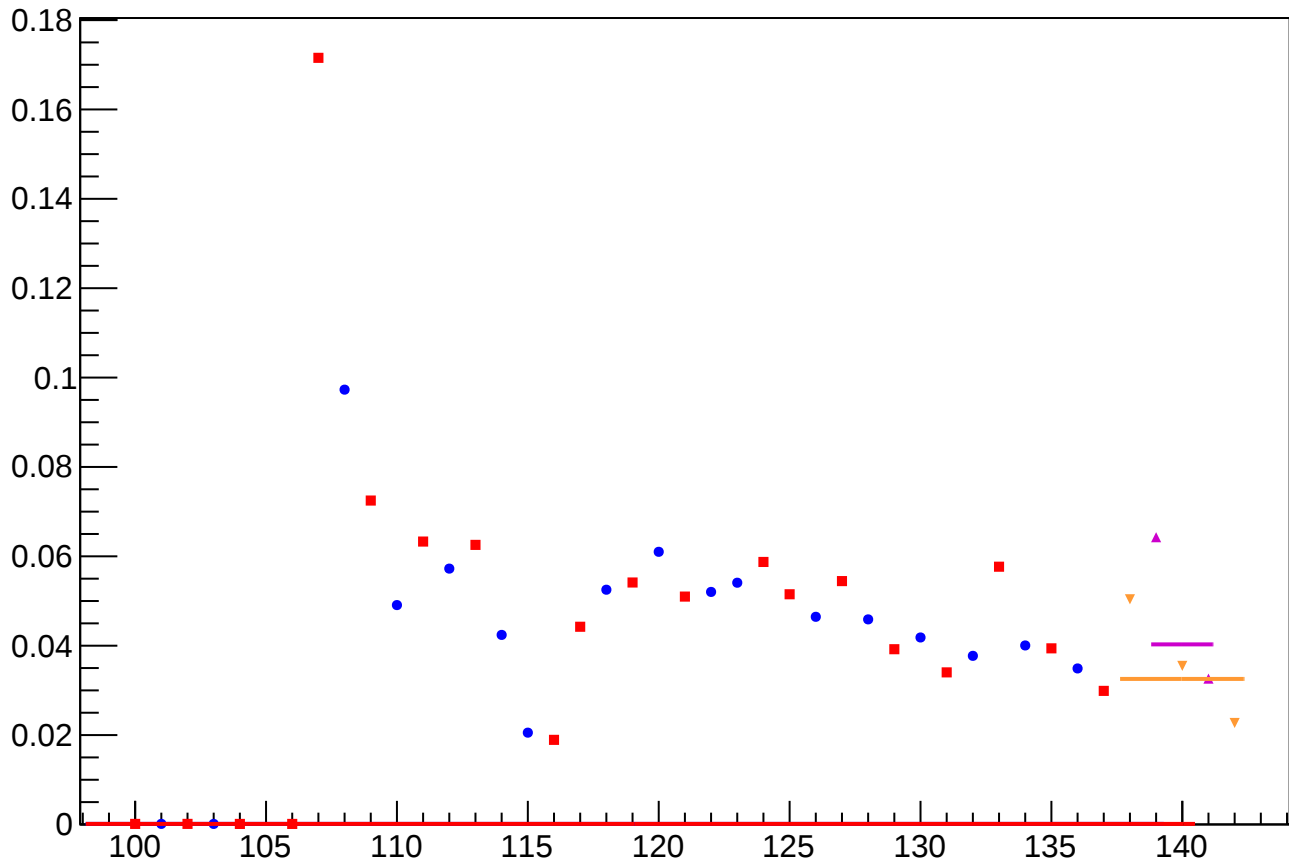
6.532 $\pm$ 0.000 χ^2 /NDF: 193261087014.4/19

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755964092355063.0/19

5.827 $\pm$ 0.000 χ^2 /NDF: 755994687441828.4/21

Left In: -0.793 $\pm$ 0.000 χ^2 /NDF: 1596161.8/1

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.033+/-0.000 χ^2/NDF :268497.9/2

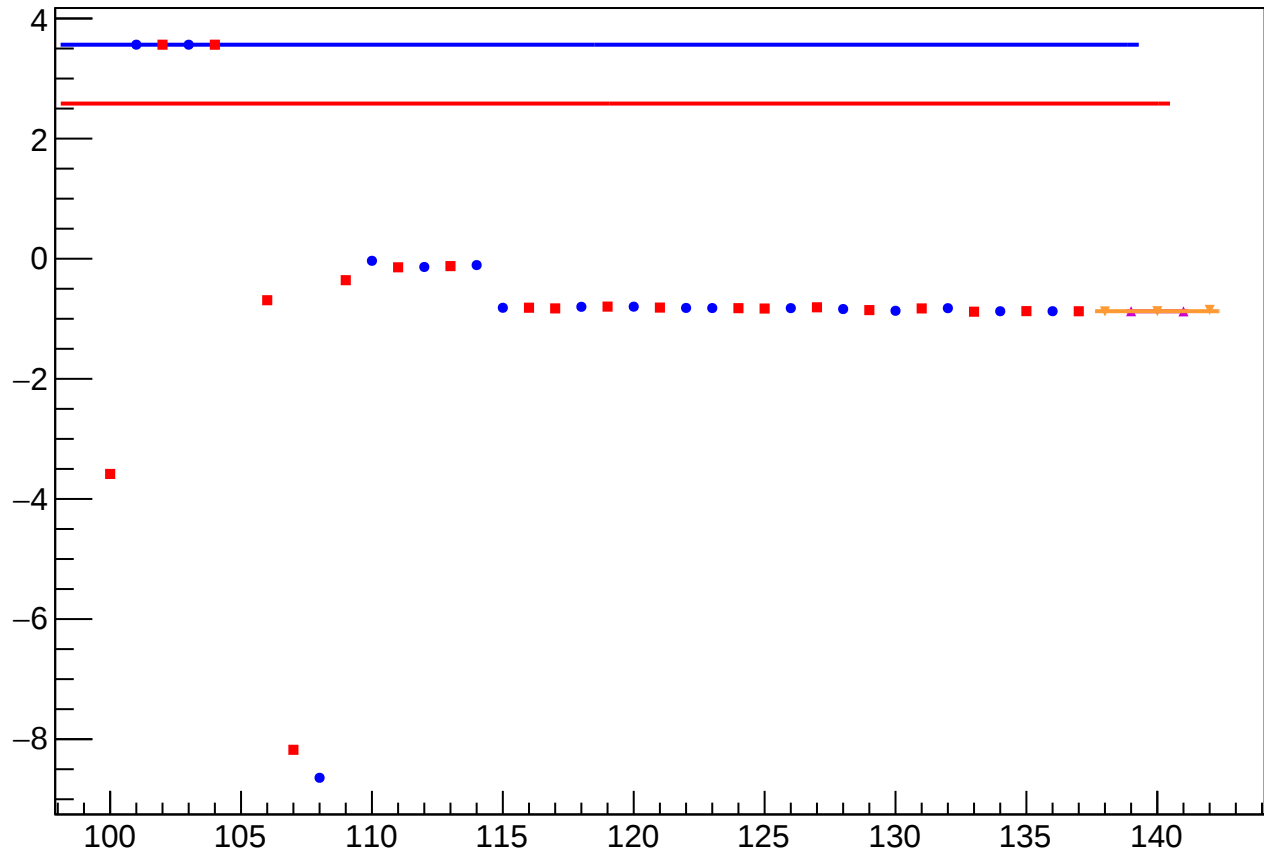
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.040+/-0.000 χ^2/NDF :256555.0/1

0.000+/-0.000 χ^2/NDF : 11727752.0/19

0.000+/-0.000 χ^2/NDF : 11938611.1/21

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.874+/-0.000 χ^2/NDF : 1181421.9/2

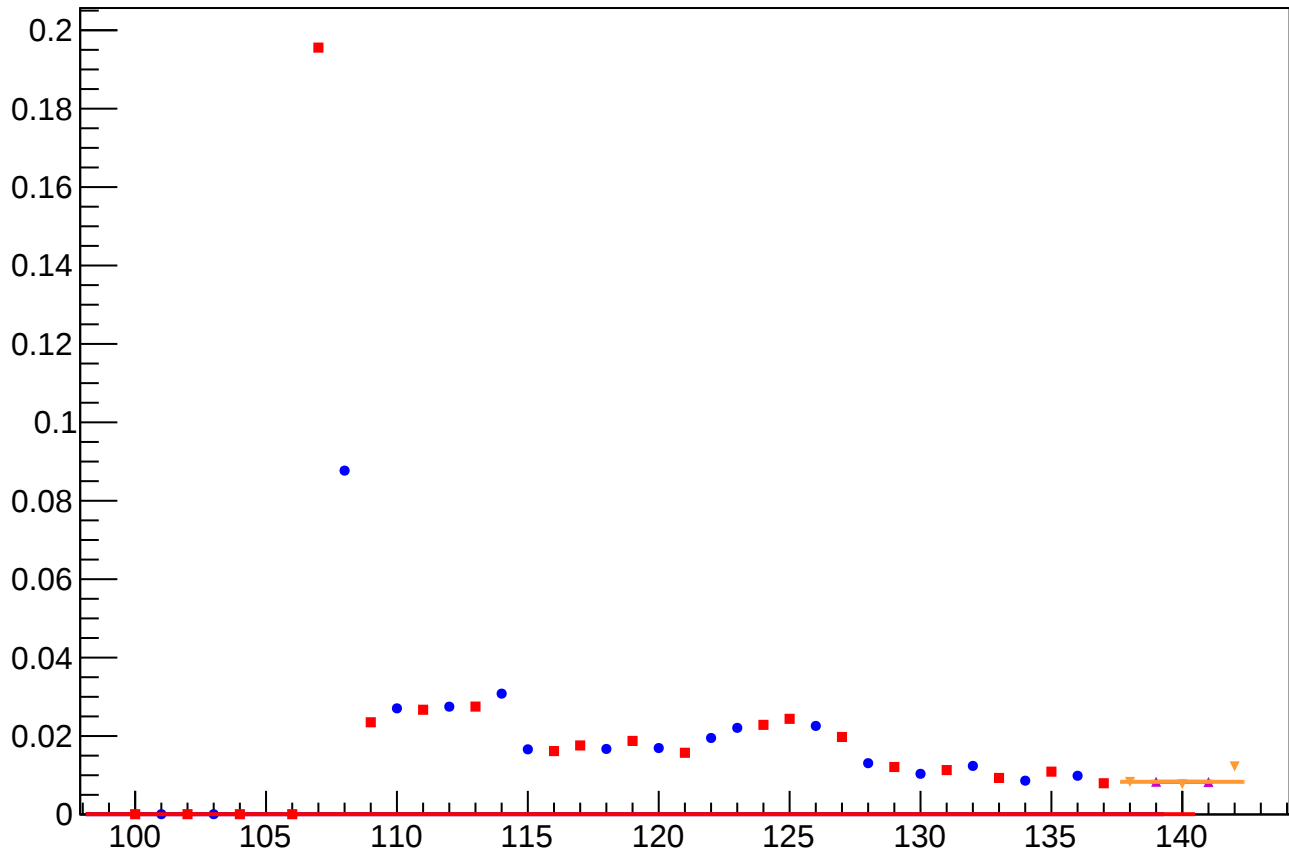
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.875+/-0.000 χ^2/NDF : 26874.7/1

3.563+/-0.000 χ^2/NDF : 974672885479.2/19

2.583+/-0.000 χ^2/NDF : 1253765705843789.5/2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.008+/-0.000 χ^2/NDF :73750.0/2

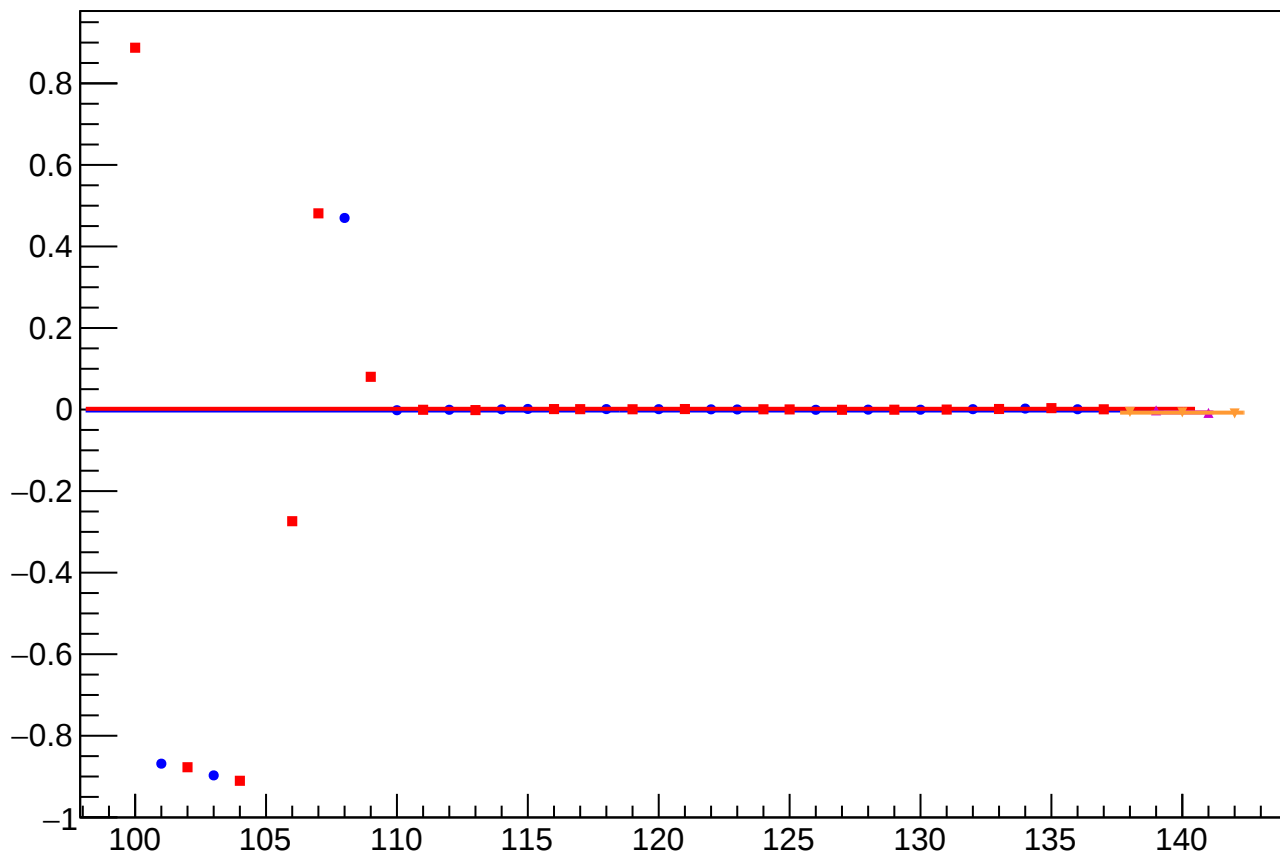
Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

Left In: 0.008+/-0.000 χ^2/NDF :45.6/1

0.000+/-0.000 χ^2/NDF : 13212492.3/19

0.000+/-0.000 χ^2/NDF : 12921708.3/21

yield_cav4cX_mean vs Slug



Right In: -0.002 $\pm$ 0.000 χ^2 /NDF: 9794863405.3/16

Left Out: -0.008 $\pm$ 0.000 χ^2 /NDF:1213630.5/2

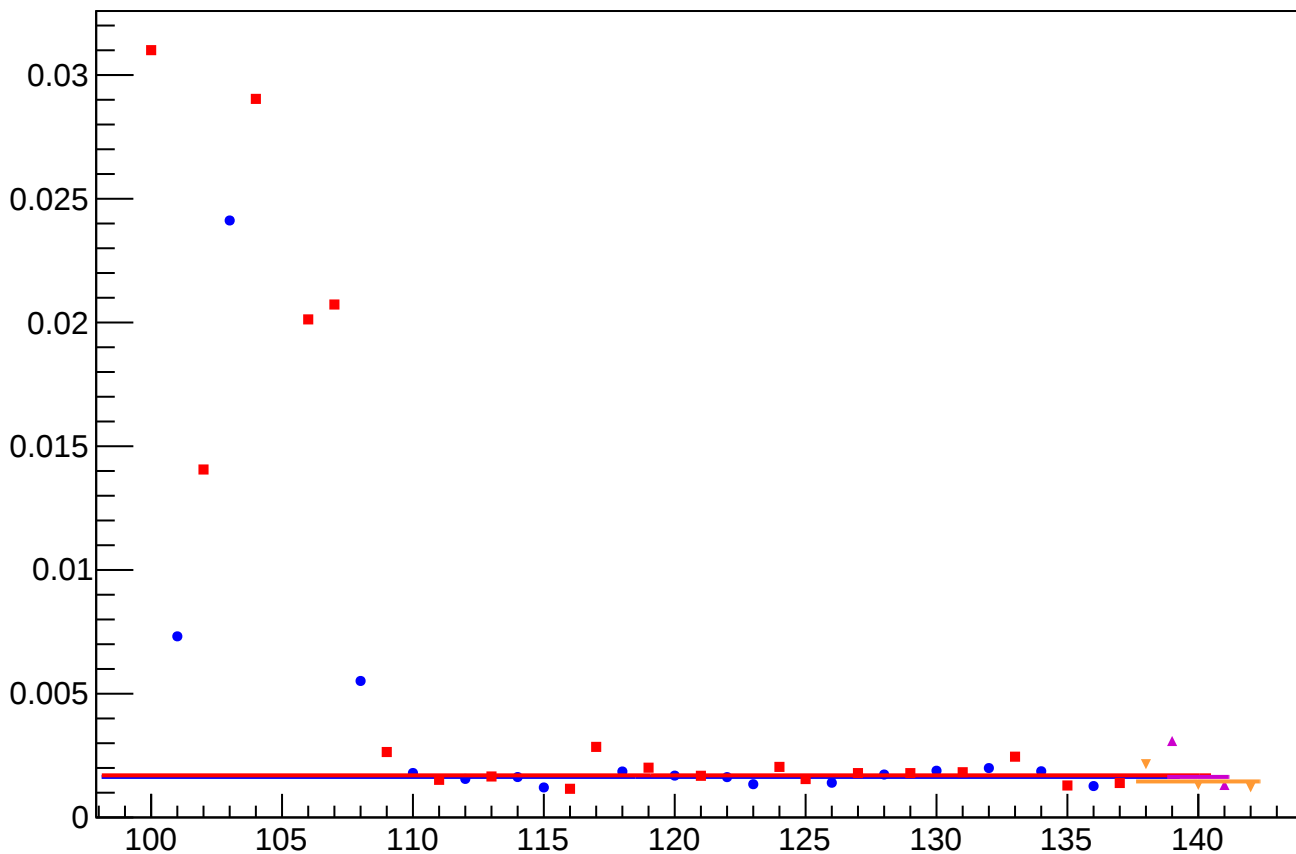
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3041323813.4/19

Left In: -0.007 $\pm$ 0.000 χ^2 /NDF:2374308.0/1

-0.004 $\pm$ 0.000 χ^2 /NDF: 9808290690.7/19

-0.000 $\pm$ 0.000 χ^2 /NDF: 3069200575.3/21

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.001+/-0.000 χ^2/NDF :159017.3/2

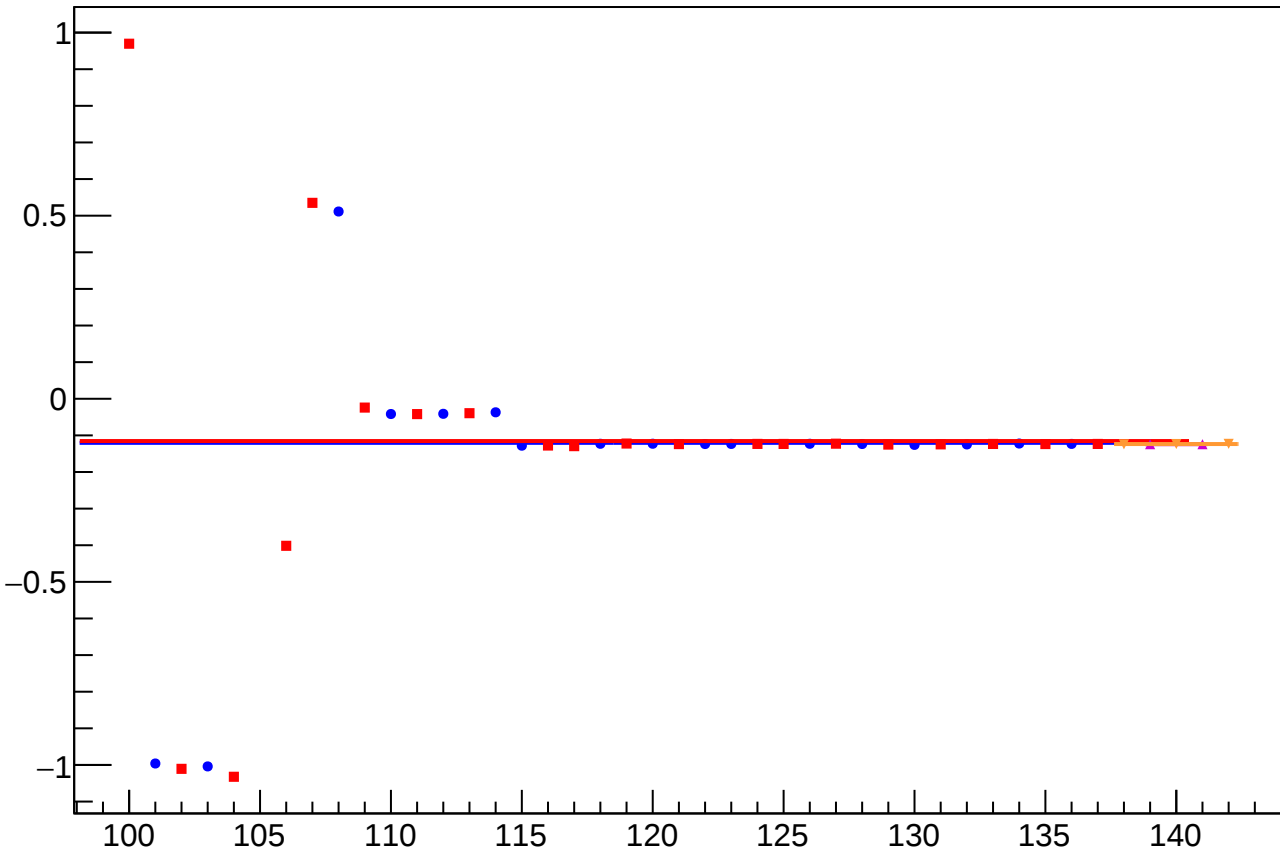
Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

Left In: 0.002+/-0.000 χ^2/NDF :389126.6/1

0.002+/-0.000 χ^2/NDF : 2105799.1/19

0.002+/-0.000 χ^2/NDF : 3428718.5/21

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.124+/-0.000 χ^2/NDF :320285.3/2

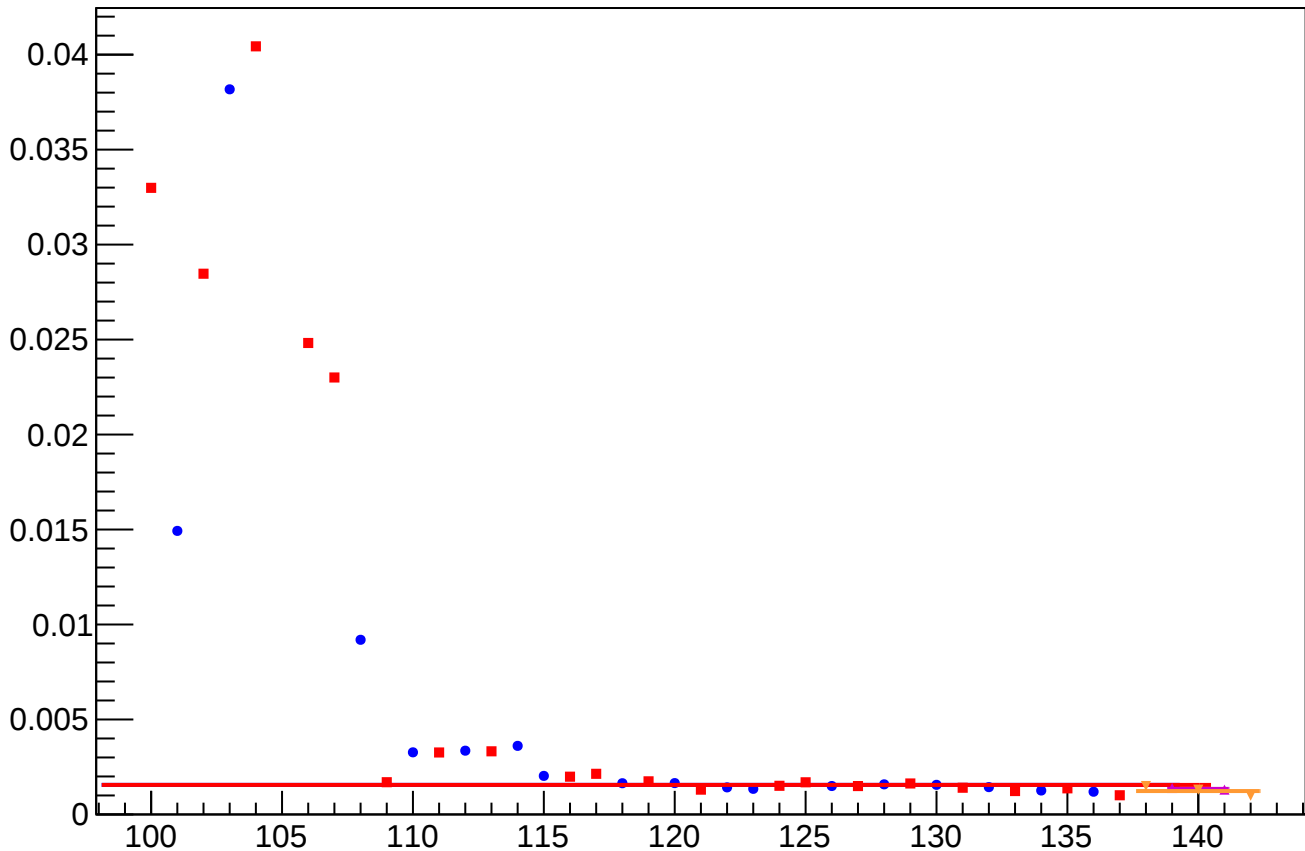
Right Out: -0.115 ± 0.000 χ^2/NDF : 2458475073.1/19

Left In: -0.124+/-0.000 χ^2/NDF :605.0/1

-0.122+/-0.000 χ^2/NDF : 3940103582.0/19

-0.118+/-0.000 χ^2/NDF : 2497786997.4/21

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF :96679.2/2

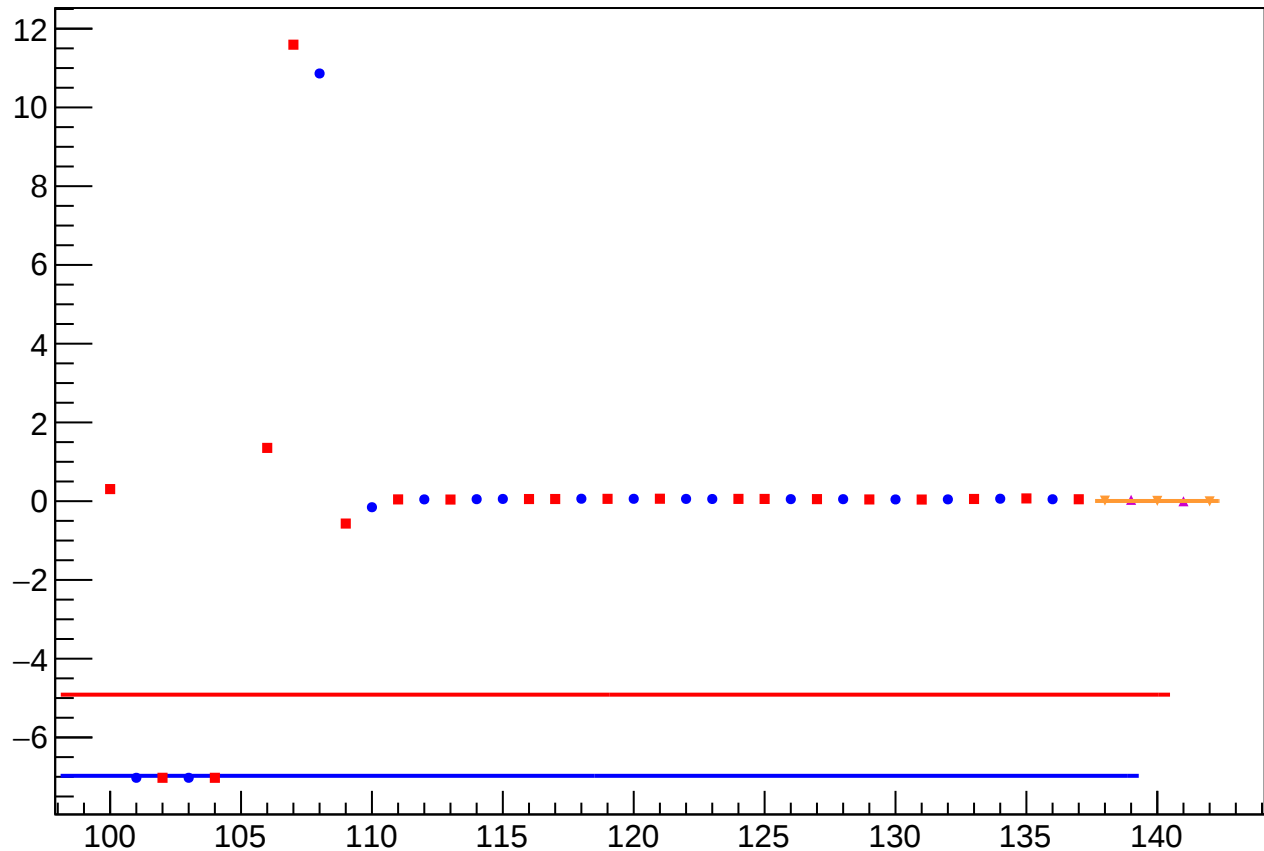
Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

Left In: 0.001+/-0.000 χ^2/NDF :2732.0/1

0.001+/-0.000 χ^2/NDF : 3144235.6/19

0.001+/-0.000 χ^2/NDF : 3594842.5/21

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.005+/-0.000 χ^2/NDF :895609.7/2

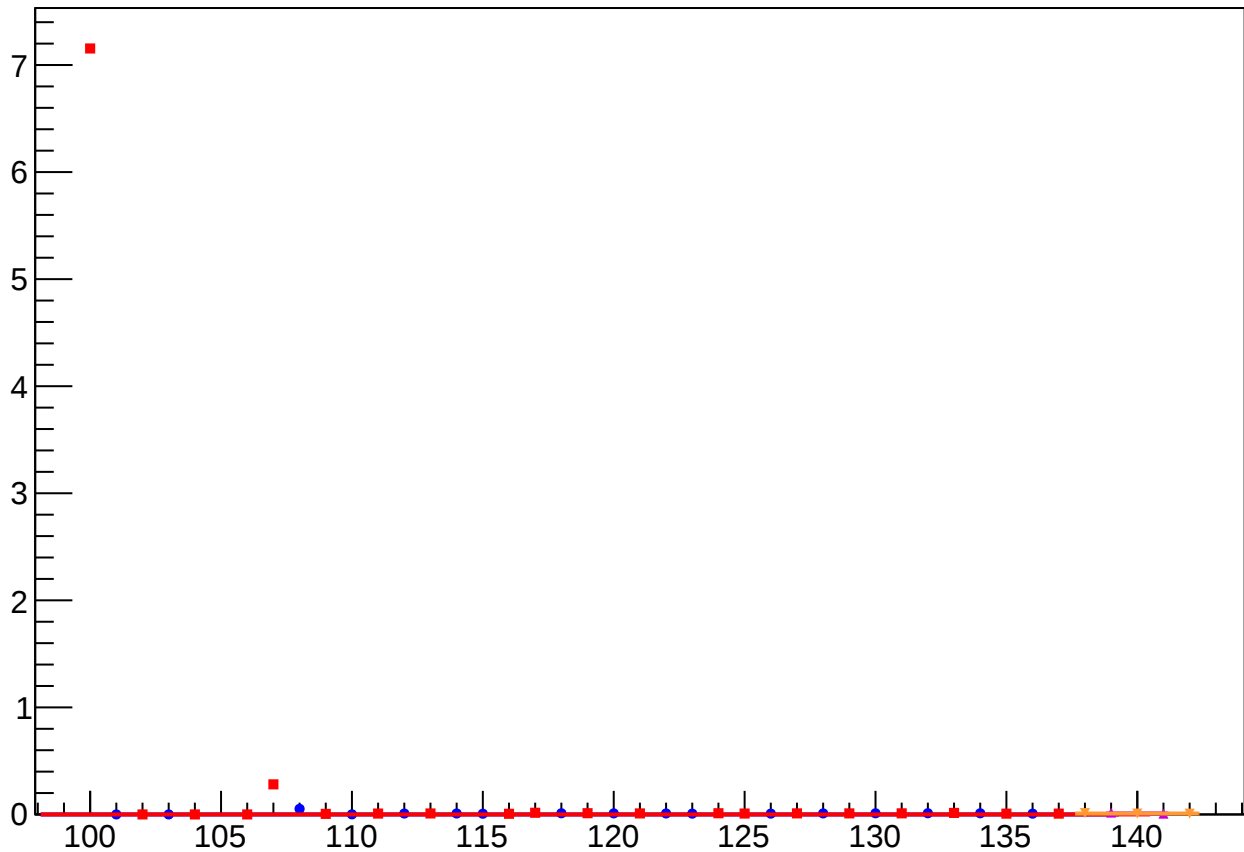
Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

Left In: 0.004+/-0.000 χ^2/NDF :2441517.3/1

-6.970+/-0.000 χ^2/NDF : 9609642812770.0/19

-4.912+/-0.000 χ^2/NDF : 365659752975552.2/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF :151325.4/2

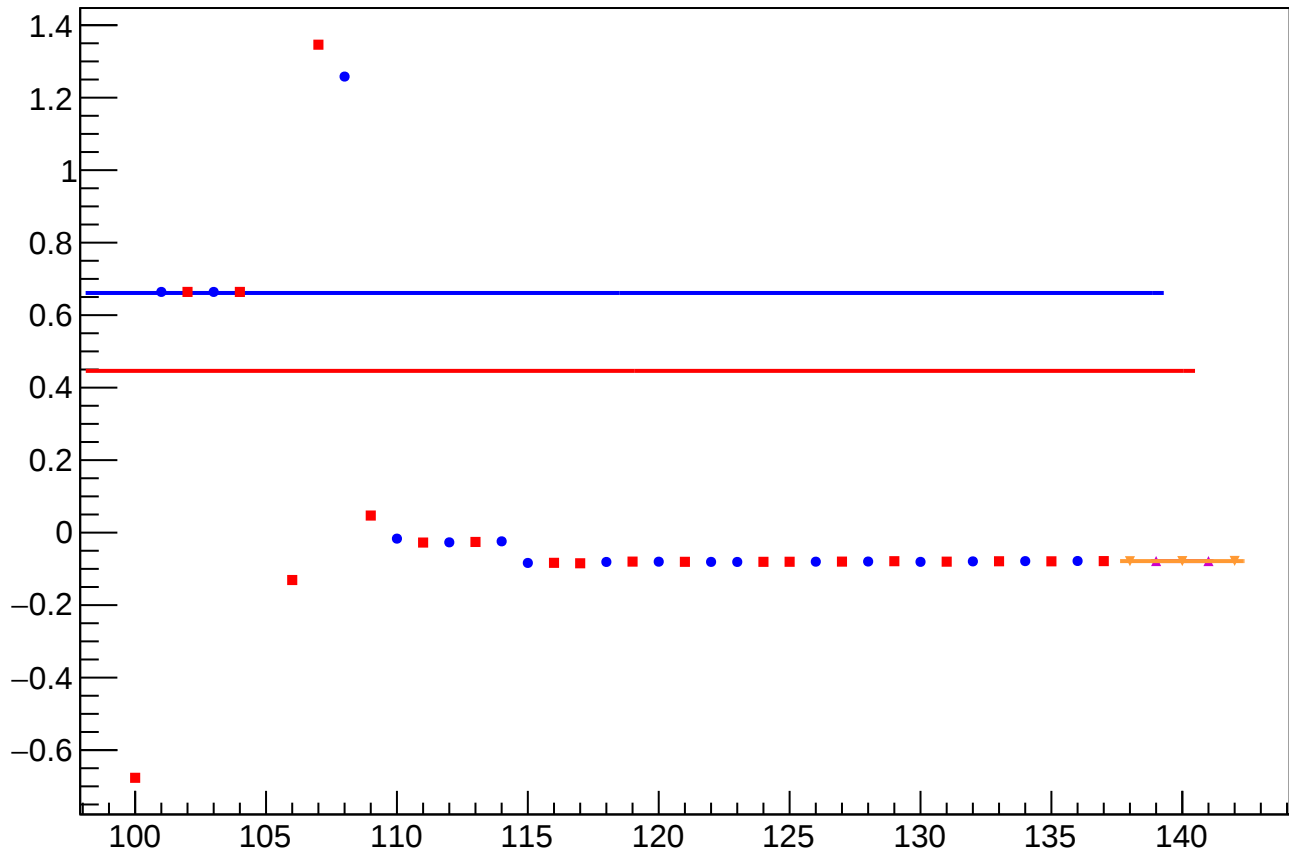
Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

Left In: 0.009+/-0.000 χ^2/NDF :386661.8/1

0.000+/-0.000 χ^2/NDF : 10981886.3/19

0.000+/-0.000 χ^2/NDF : 11371035.6/21

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.079+/-0.000 χ^2/NDF : 479965.9/2

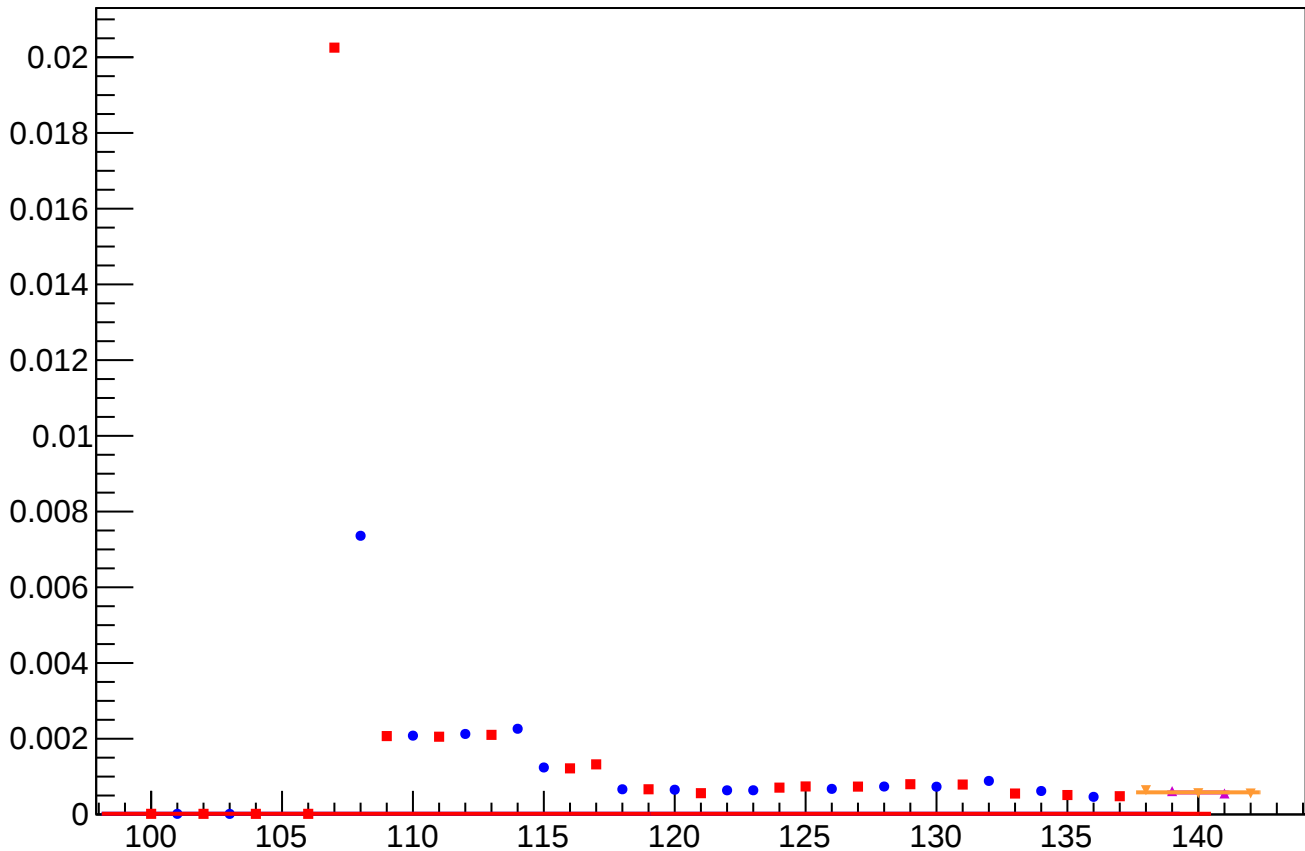
Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

Left In: -0.078+/-0.000 χ^2/NDF : 3766.3/1

0.660+/-0.000 χ^2/NDF : 8550492794990.3/19

0.445+/-0.000 χ^2/NDF : 406646622332457.4/21

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF :15757.1/2

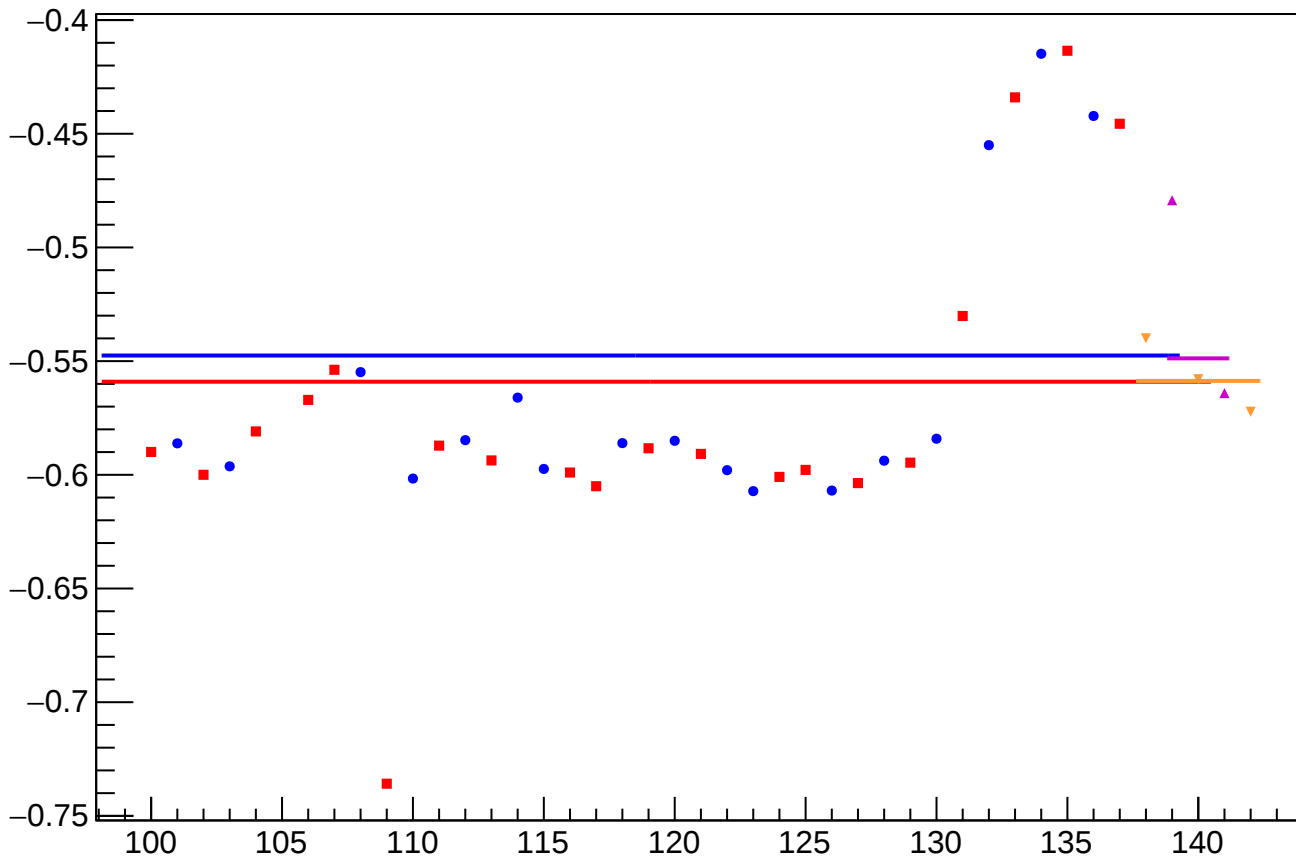
Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

Left In: 0.001+/-0.000 χ^2/NDF :8287.9/1

0.000+/-0.000 χ^2/NDF : 13332325.4/19

0.000+/-0.000 χ^2/NDF : 12373395.9/21

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.559 ± 0.000 χ^2/NDF : 472498.8/2

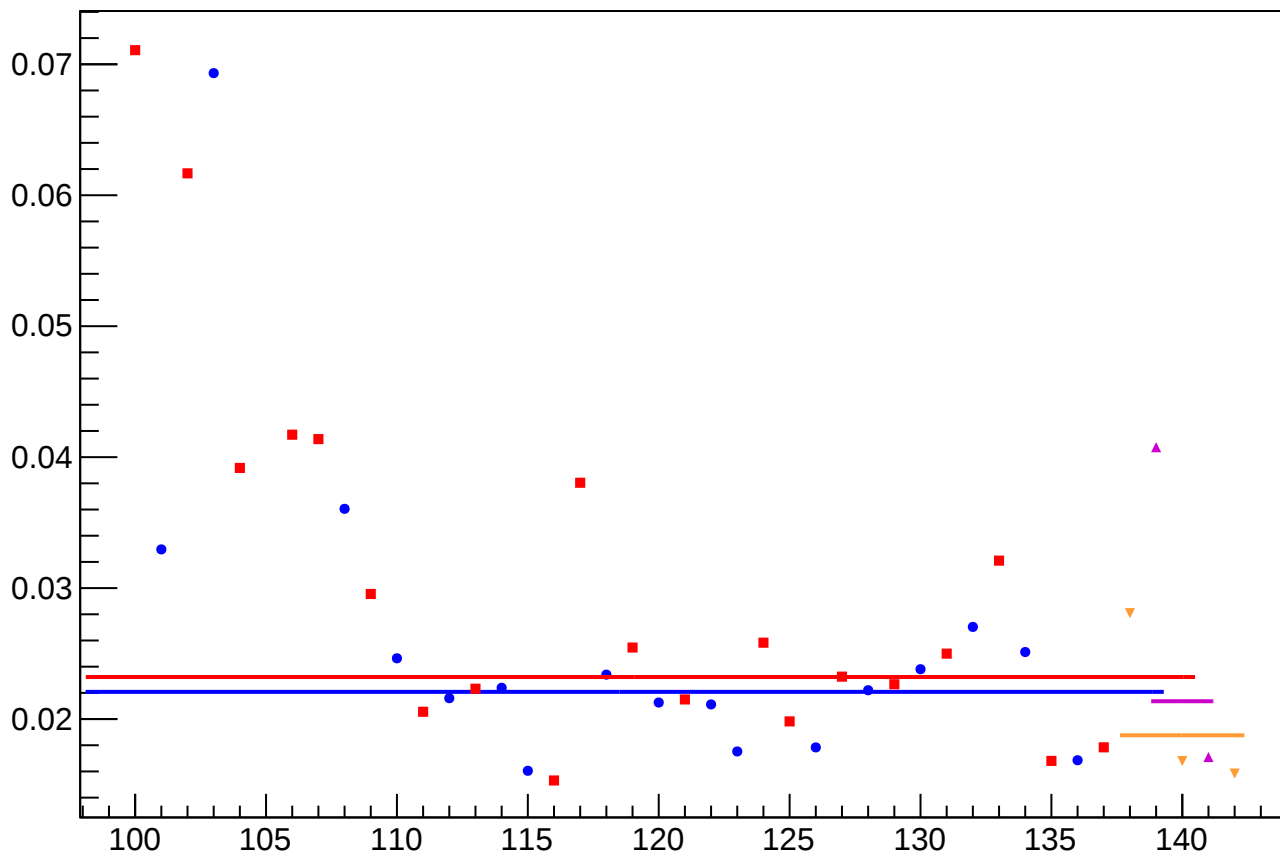
Right Out: -0.559 ± 0.000 χ^2/NDF : 65389755.0/19

Left In: -0.549 ± 0.000 χ^2/NDF : 2561130.8/1

-0.550 ± 0.000 χ^2/NDF : 49361205.0/19

-0.557 ± 0.000 χ^2/NDF : 68155107.5/21

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 954779.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:163983.5/2

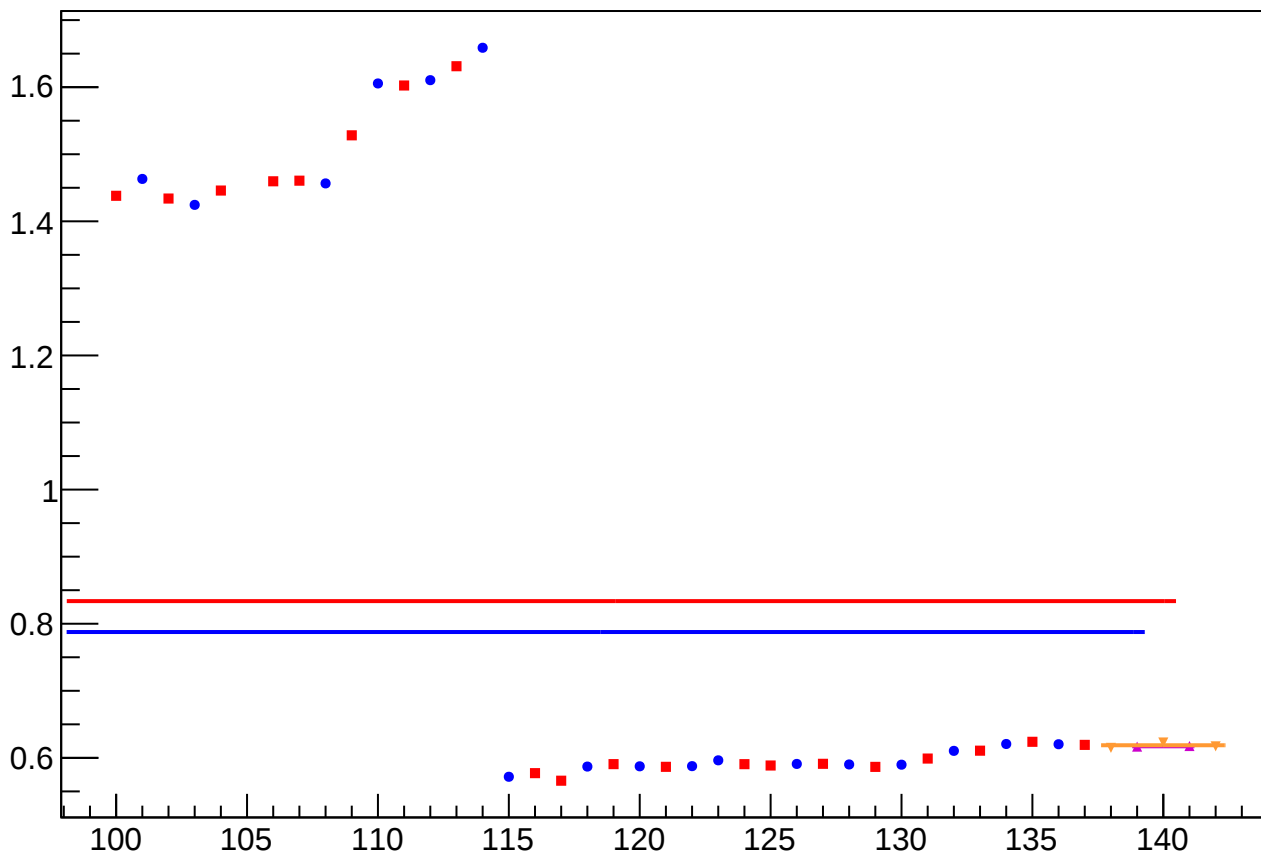
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1169013.8/19

Left In: 0.021 $\pm$ 0.000 χ^2 /NDF:398398.9/1

0.021 $\pm$ 0.000 χ^2 /NDF: 1179264.2/19

0.023 $\pm$ 0.000 χ^2 /NDF: 1580688.6/21

yield_bpm4aY_mean vs Slug



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.619+/-0.000 χ^2/NDF :178294.0/2

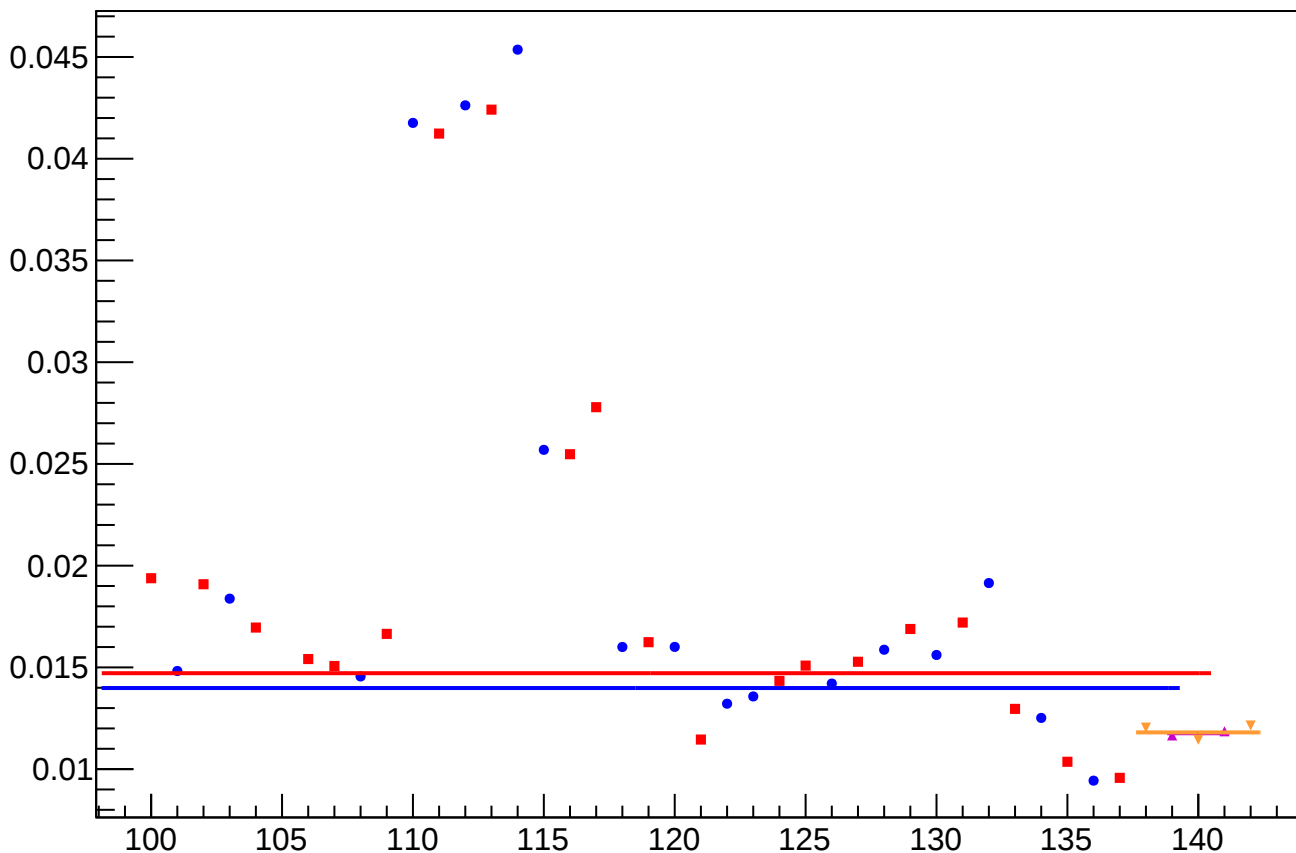
Right Out: 0.834+/-0.000 χ^2/NDF : 4155673215.9/19

Left In: 0.617+/-0.000 χ^2/NDF :2125.8/1

0.734+/-0.000 χ^2/NDF : 3842587374.2/19

0.773+/-0.000 χ^2/NDF : 4525028438.1/21

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:2709.3/2

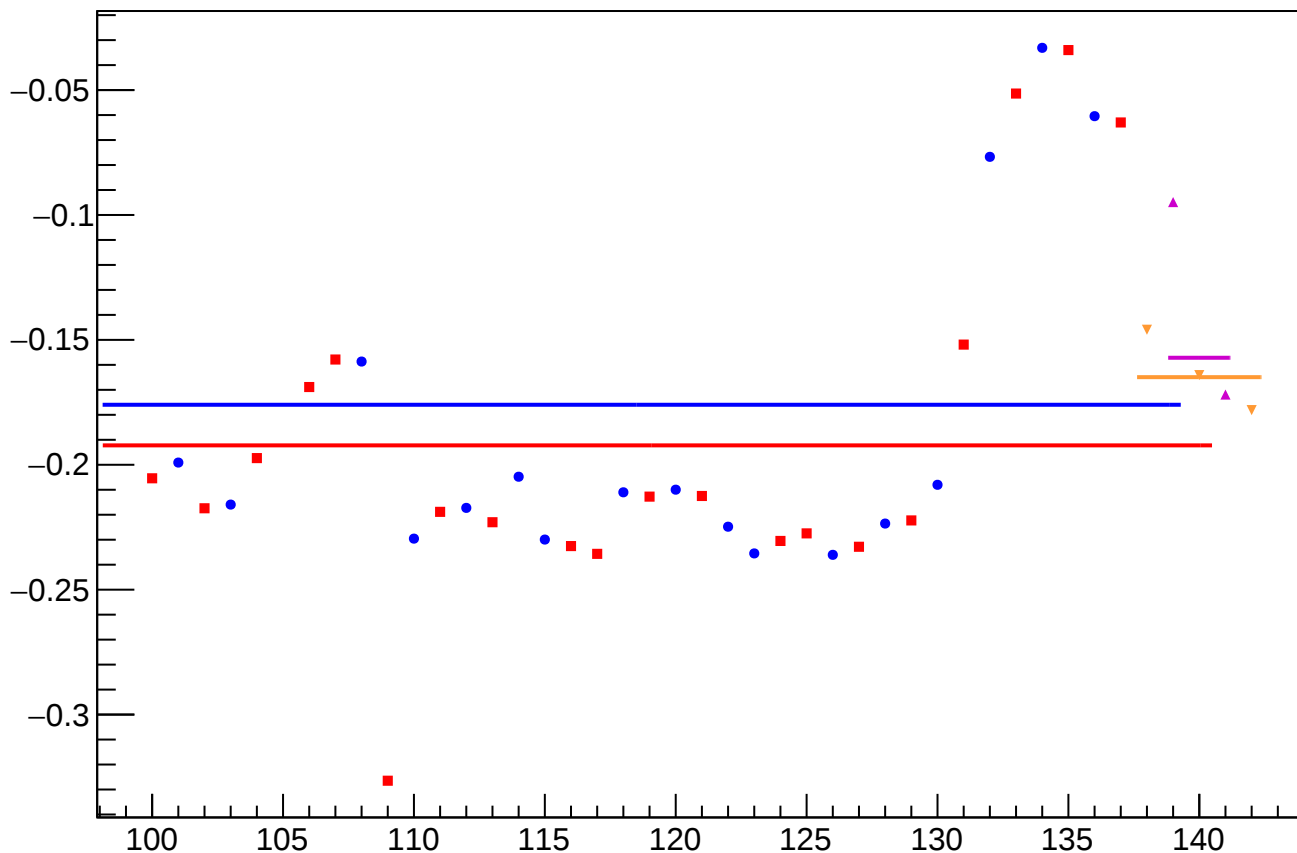
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:225.6/1

0.013 $\pm$ 0.000 χ^2 /NDF: 1488345.0/19

0.014 $\pm$ 0.000 χ^2 /NDF: 1413100.2/21

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.165+/-0.000 χ^2/NDF : 516162.1/2

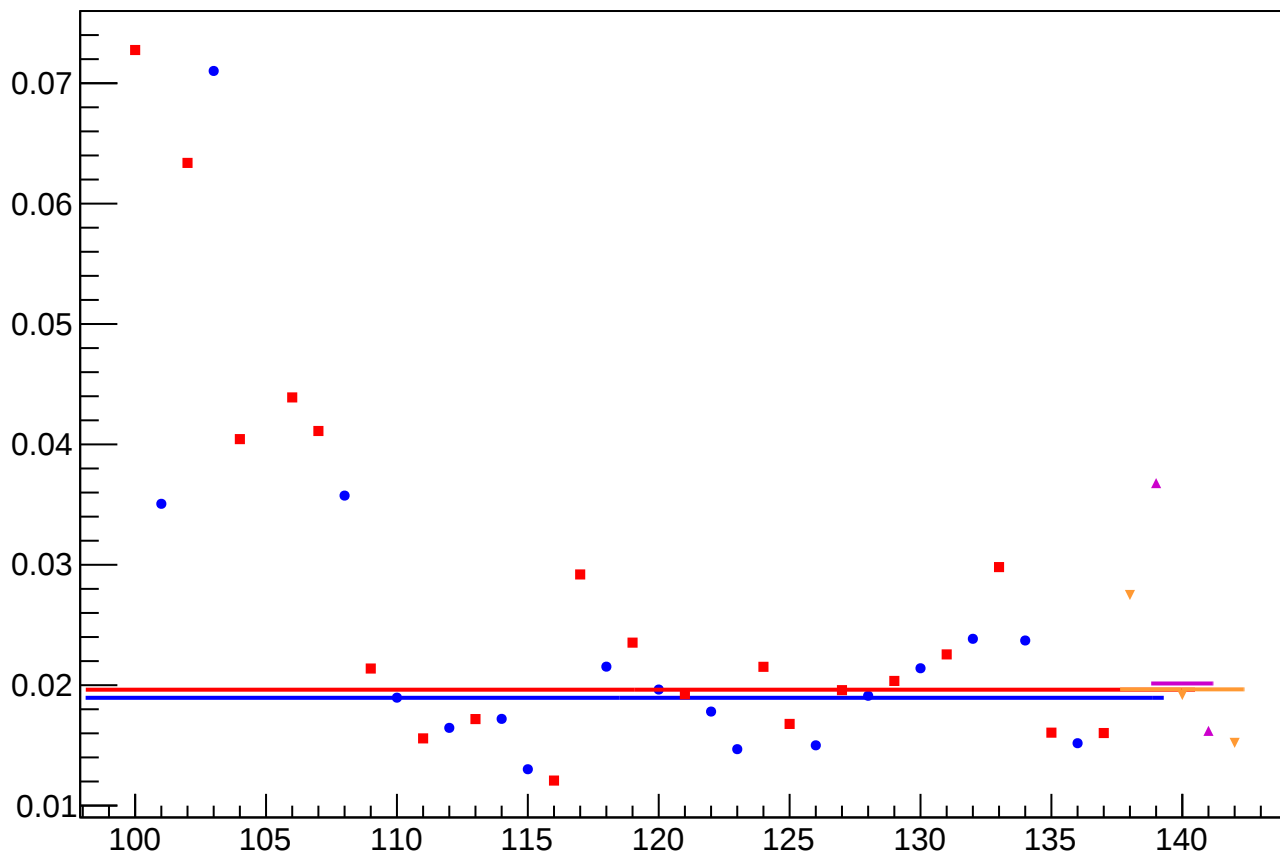
Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

Left In: -0.157+/-0.000 χ^2/NDF : 2554570.6/1

-0.174+/-0.000 χ^2/NDF : 70990216.1/19

-0.186+/-0.000 χ^2/NDF : 88737189.0/21

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.020+/-0.000 χ^2/NDF :151148.0/2

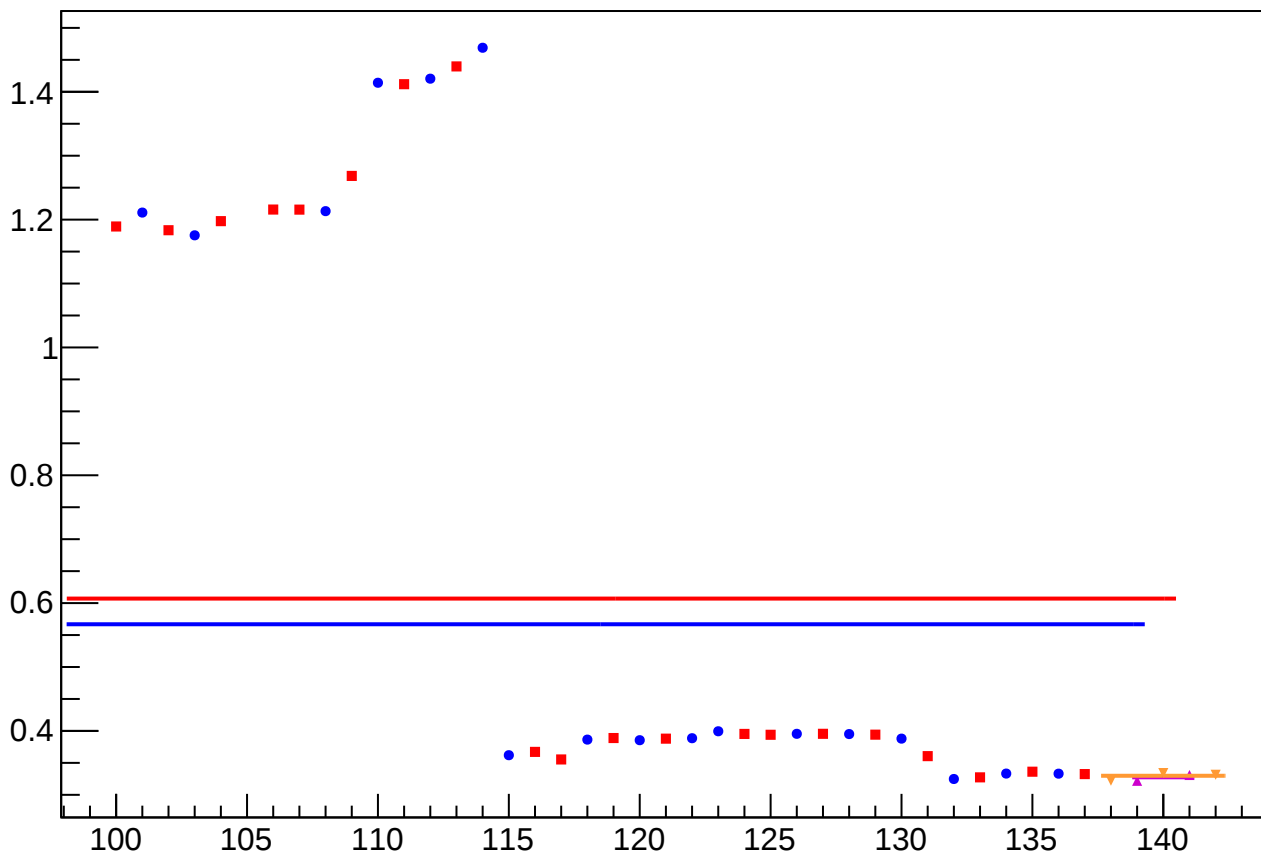
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.020+/-0.000 χ^2/NDF :364421.8/1

0.019+/-0.000 χ^2/NDF : 1357264.2/19

0.020+/-0.000 χ^2/NDF : 1829631.7/21

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.330 $\pm$ 0.000 χ^2 /NDF:341589.3/2

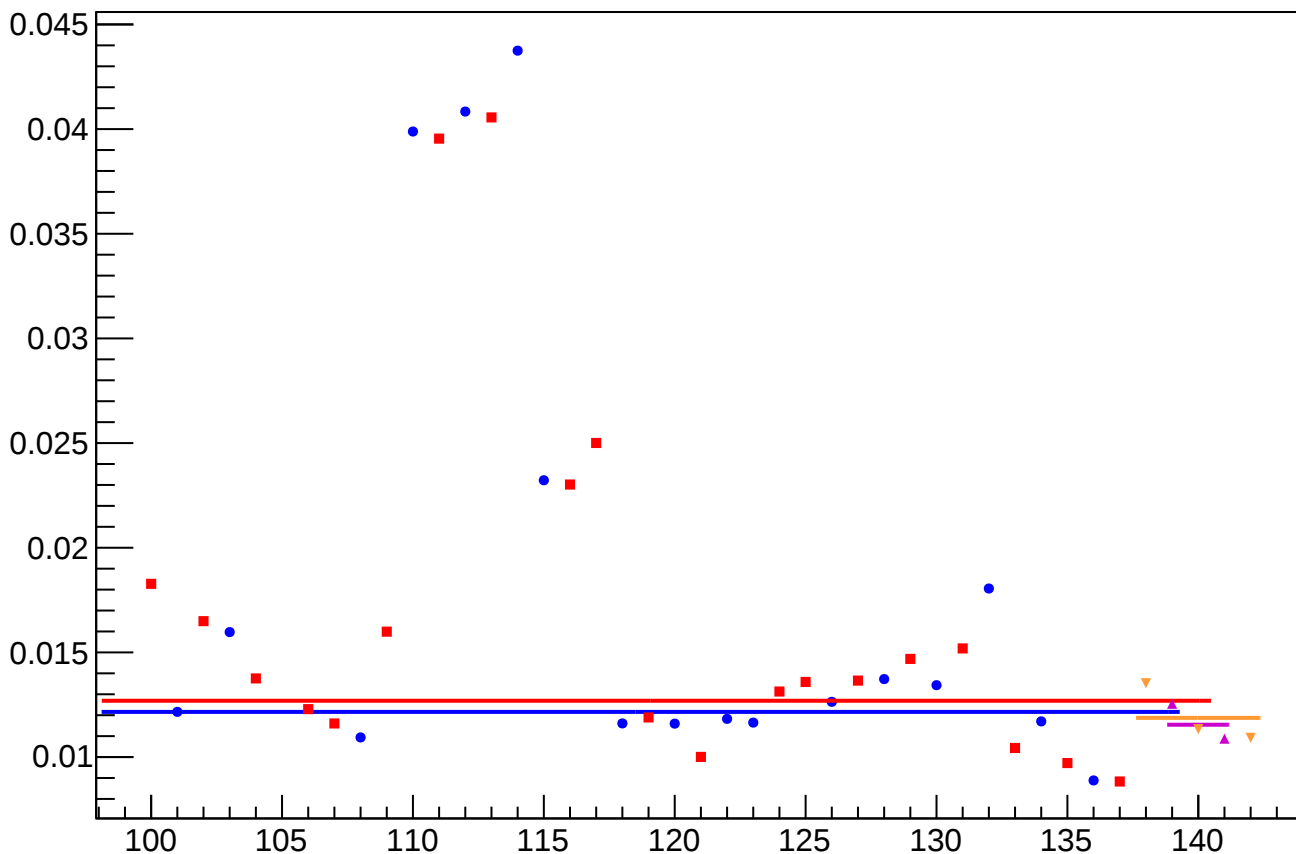
Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

Left In: 0.327 $\pm$ 0.000 χ^2 /NDF:221871.2/1

0.506 $\pm$ 0.000 χ^2 /NDF: 5563577490.0/19

0.542 $\pm$ 0.000 χ^2 /NDF: 6181642801.8/21

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:30687.4/2

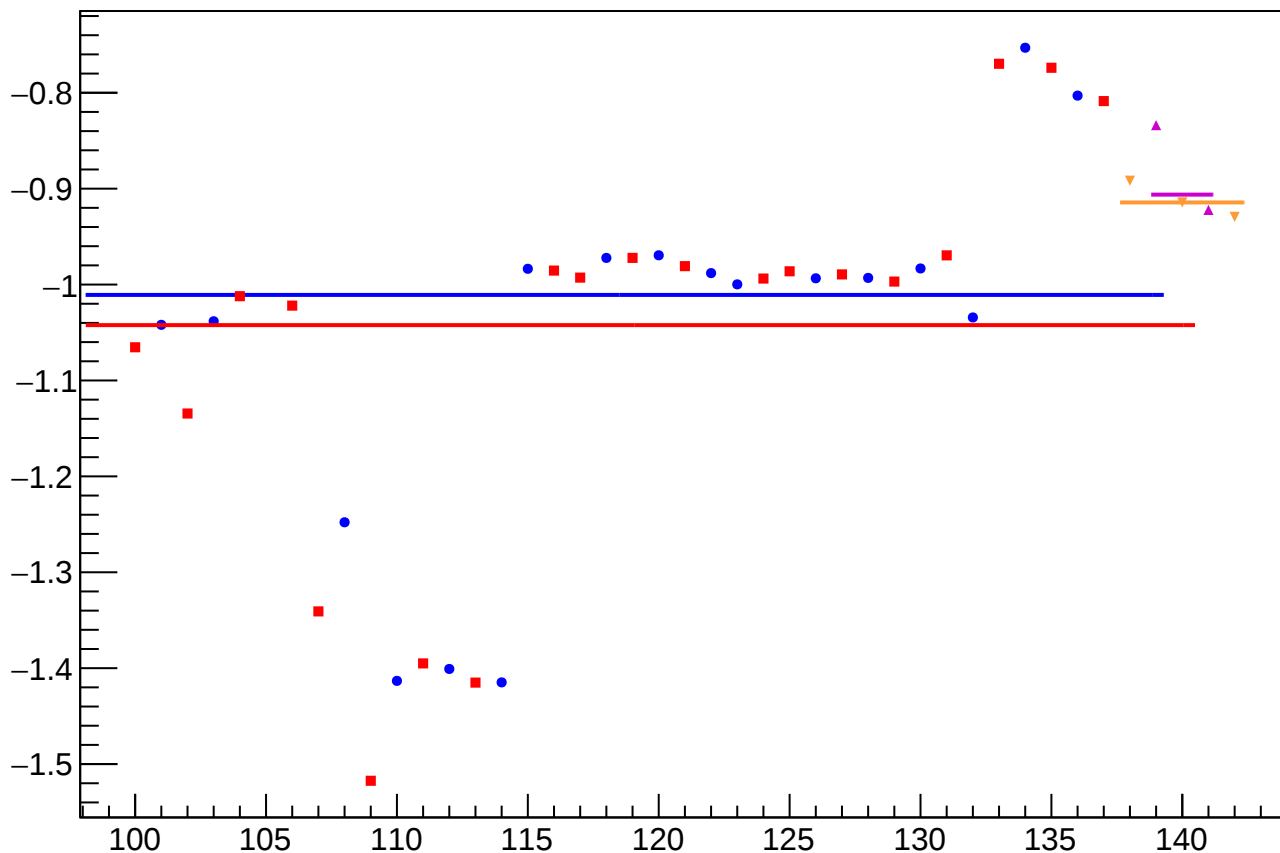
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:14955.5/1

0.012 $\pm$ 0.000 χ^2 /NDF: 1340219.6/19

0.012 $\pm$ 0.000 χ^2 /NDF: 1323386.5/21

yield_bpm4acX_mean vs Slug



Right In: -1.011 ± 0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.914 ± 0.000 χ^2/NDF : 674938.4/2

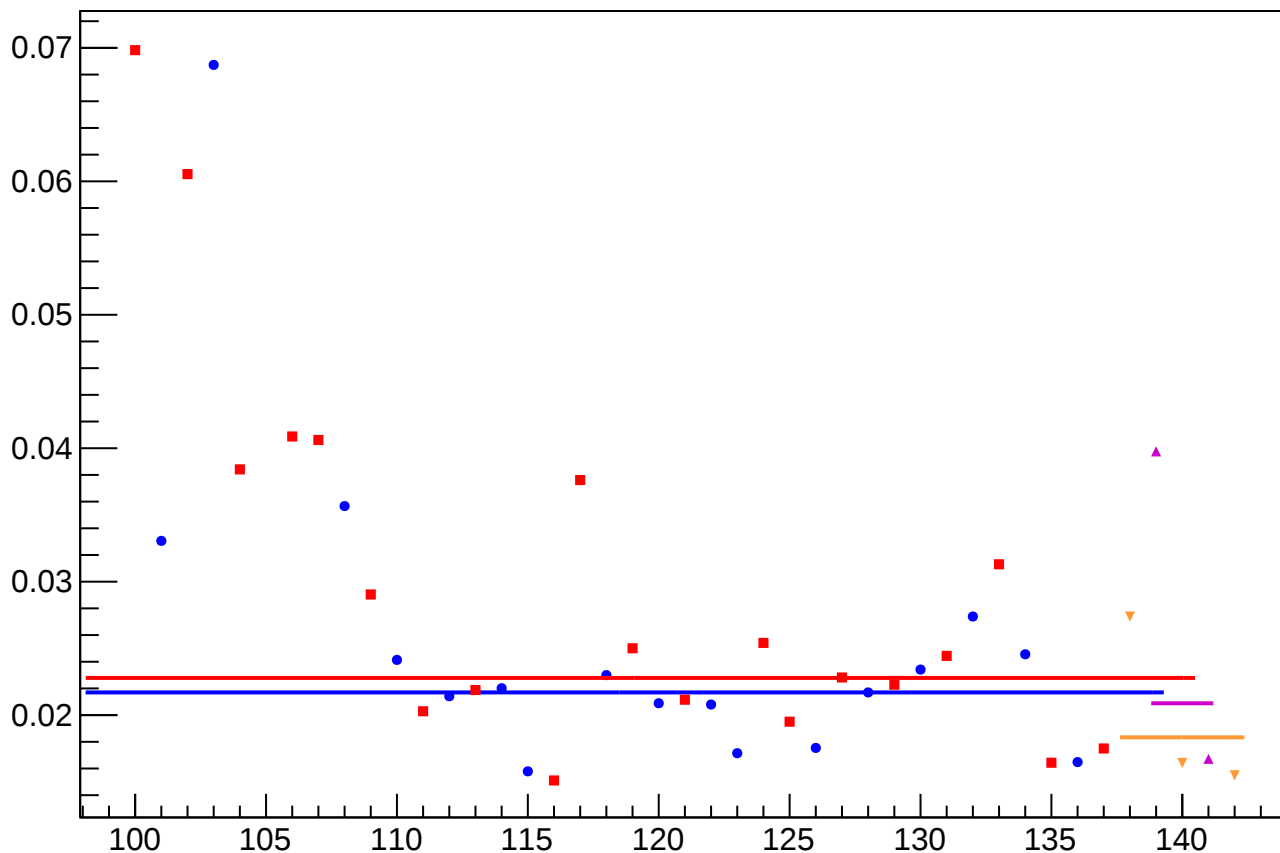
Right Out: -1.042 ± 0.000 χ^2/NDF : 529028760.6/19

Left In: -0.906 ± 0.000 χ^2/NDF : 2918893.1/1

-0.985 ± 0.000 χ^2/NDF : 414516435.5/19

-1.015 ± 0.000 χ^2/NDF : 569484541.2/21

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.018 ± 0.000 χ^2/NDF : 162527.2/2

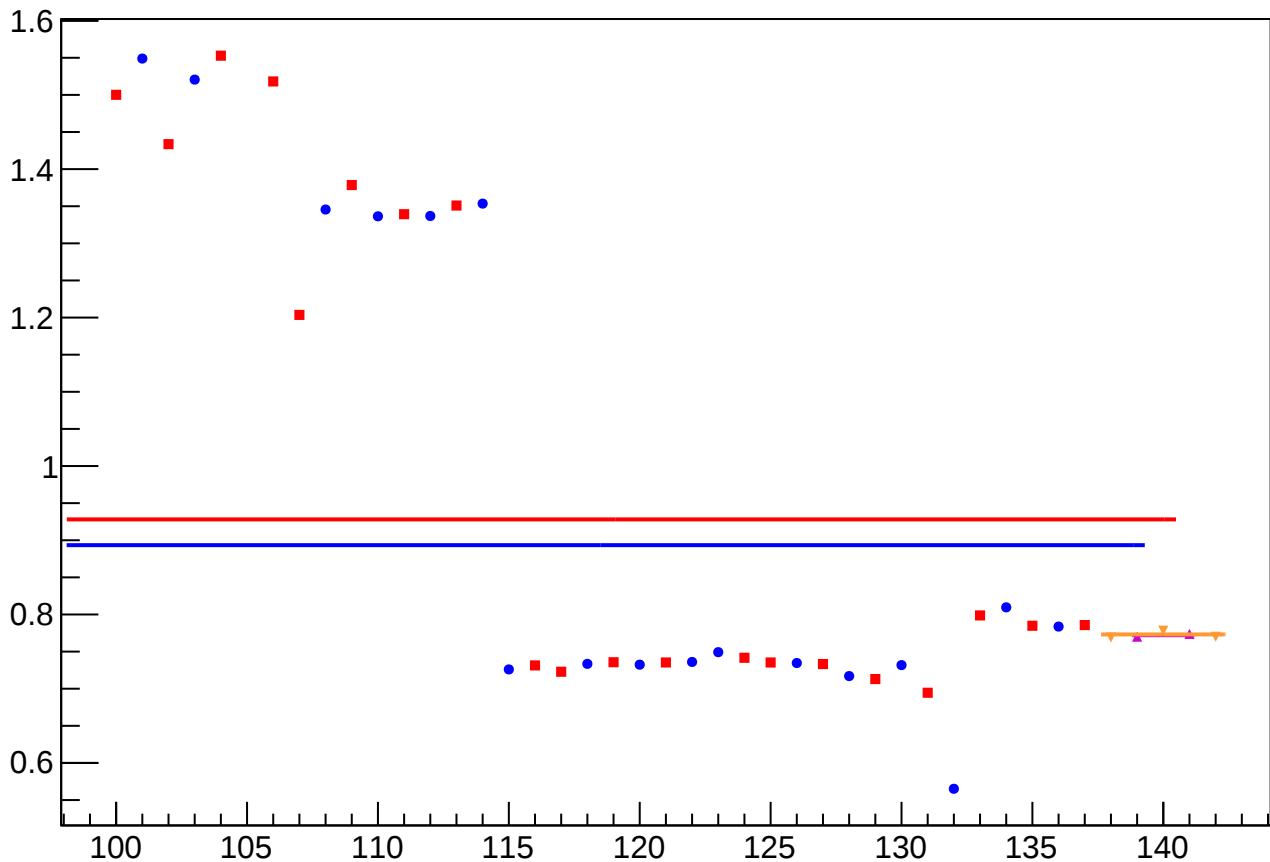
Right Out: 0.023 ± 0.000 χ^2/NDF : 1164870.4/19

Left In: 0.021 ± 0.000 χ^2/NDF : 396659.0/1

0.021 ± 0.000 χ^2/NDF : 1206917.0/19

0.022 ± 0.000 χ^2/NDF : 1576197.8/21

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.773+/-0.000 χ^2/NDF : 257951.8/2

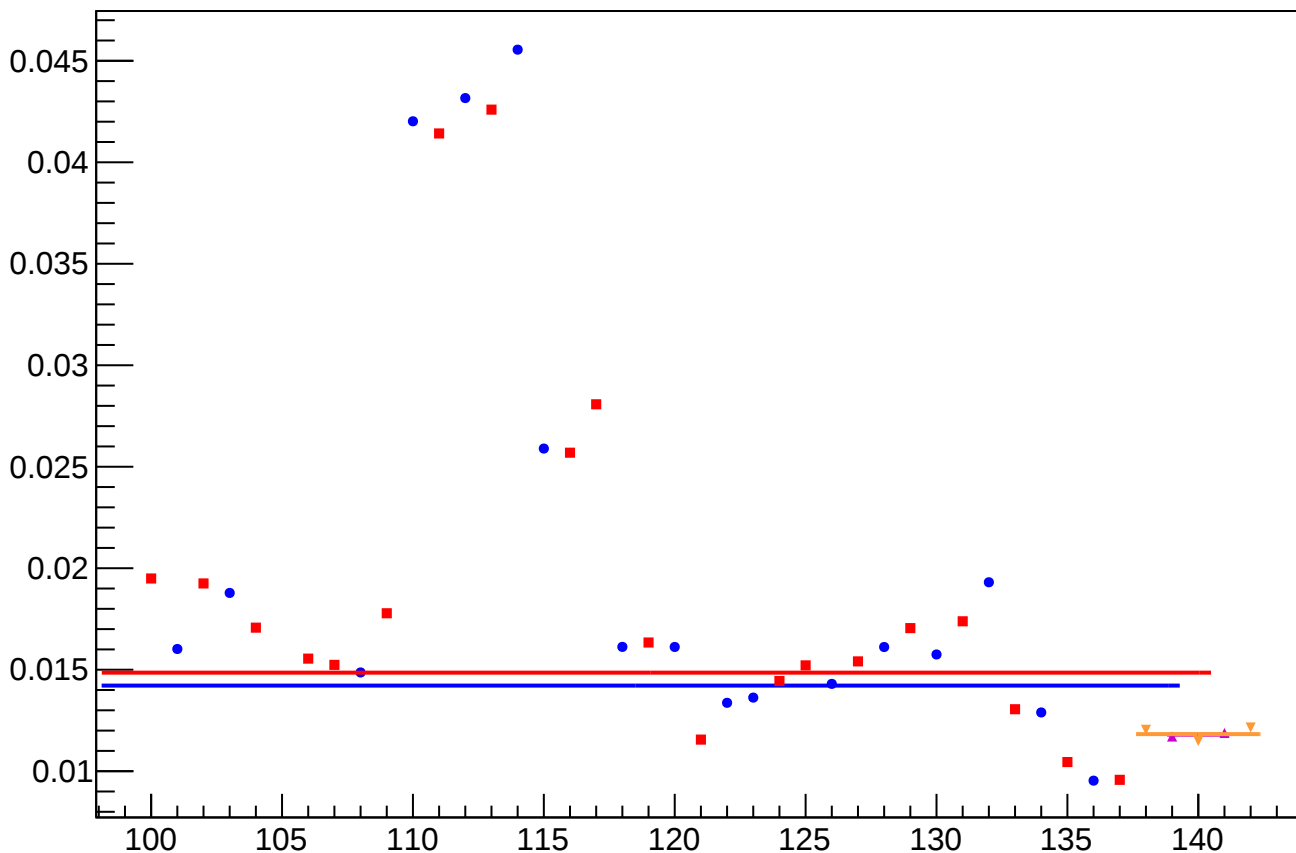
0.854+/-0.000 χ^2/NDF : 2538810807.0/19

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.883+/-0.000 χ^2/NDF : 2627452523.0/21

Left In: 0.772+/-0.000 χ^2/NDF : 38175.9/1

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:2370.5/2

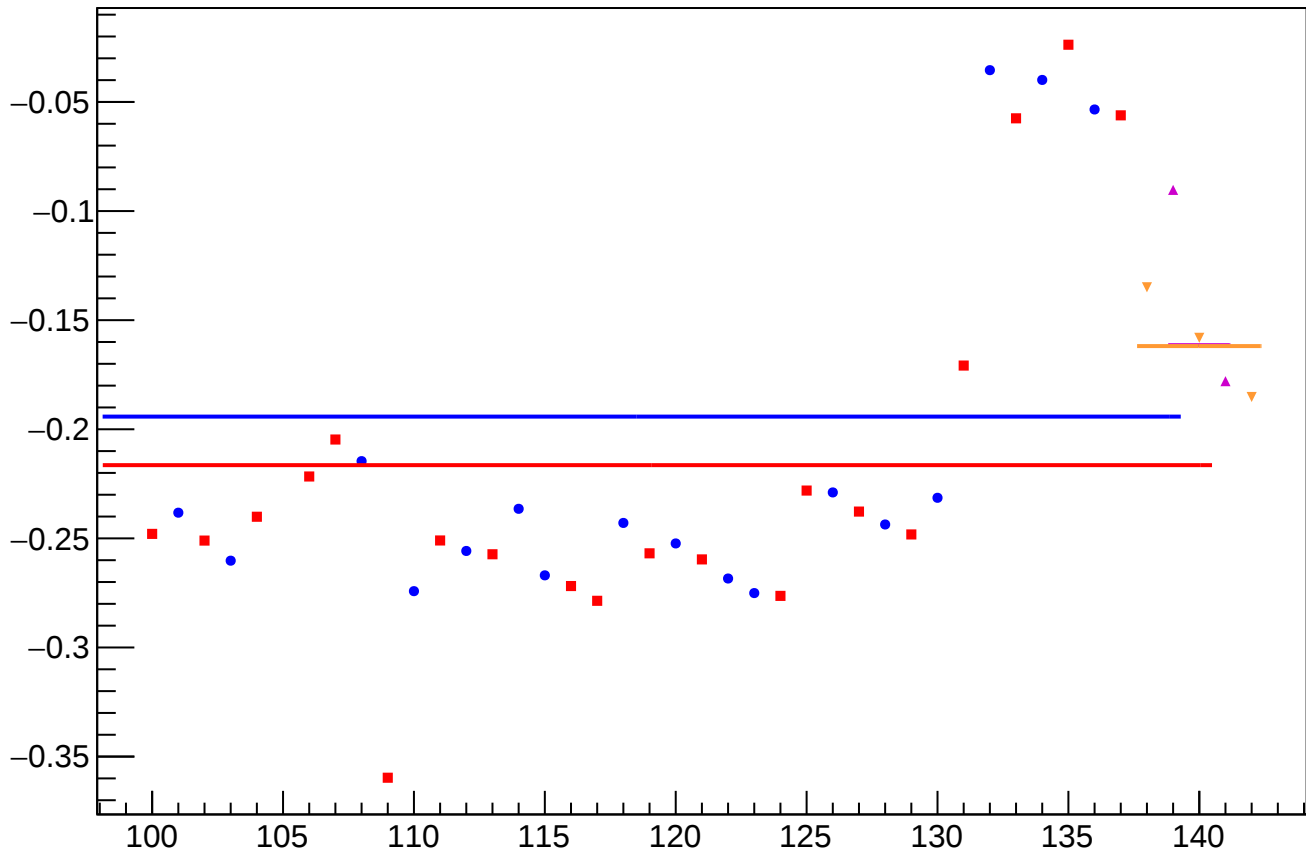
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1286513.9/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:166.2/1

0.013 $\pm$ 0.000 χ^2 /NDF: 1515118.4/19

0.014 $\pm$ 0.000 χ^2 /NDF: 1432266.8/21

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.162+/-0.000 χ^2/NDF :1350229.7/2

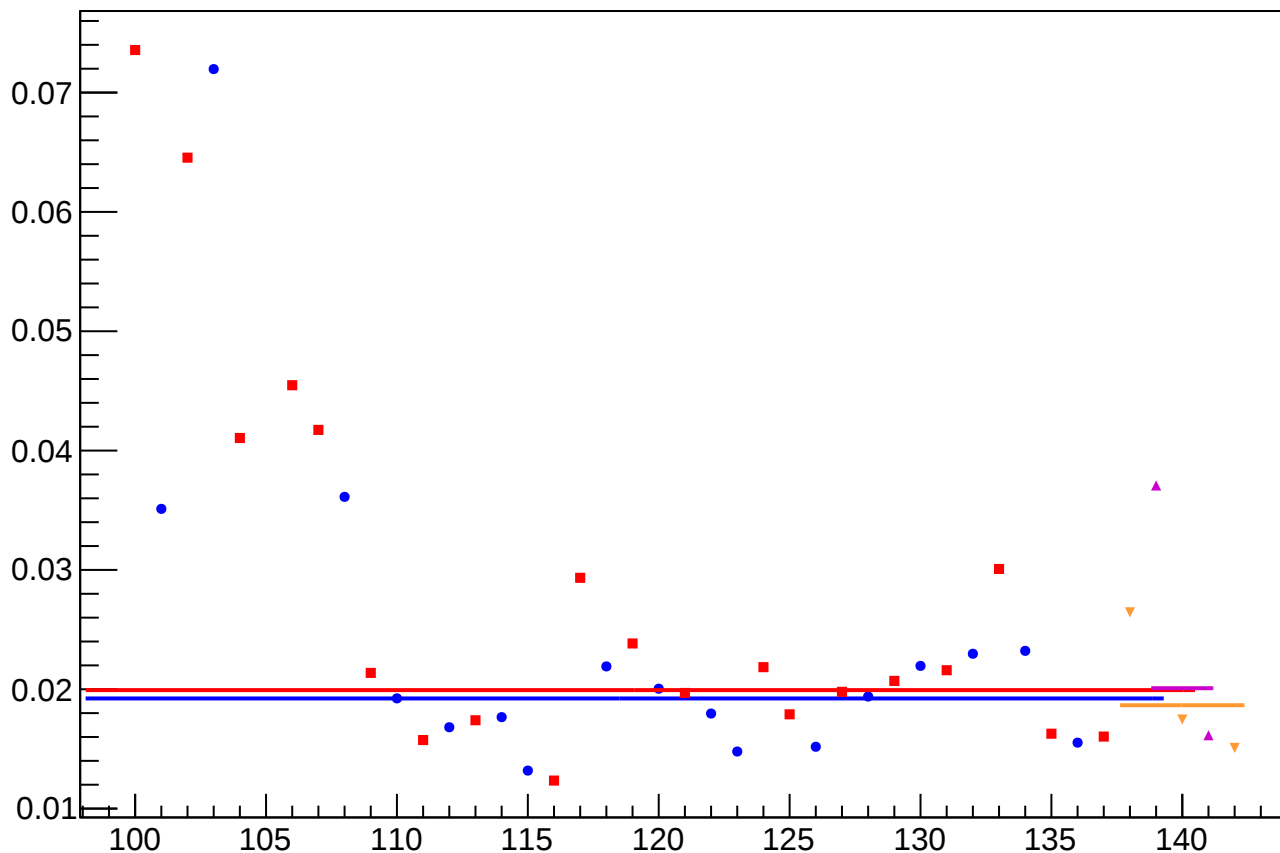
-0.187+/-0.000 χ^2/NDF : 112941867.0/19

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

-0.207+/-0.000 χ^2/NDF : 121410873.0/21

Left In: -0.161+/-0.000 χ^2/NDF :3262660.6/1

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019+/-0.000 χ^2/NDF : 142385.7/2

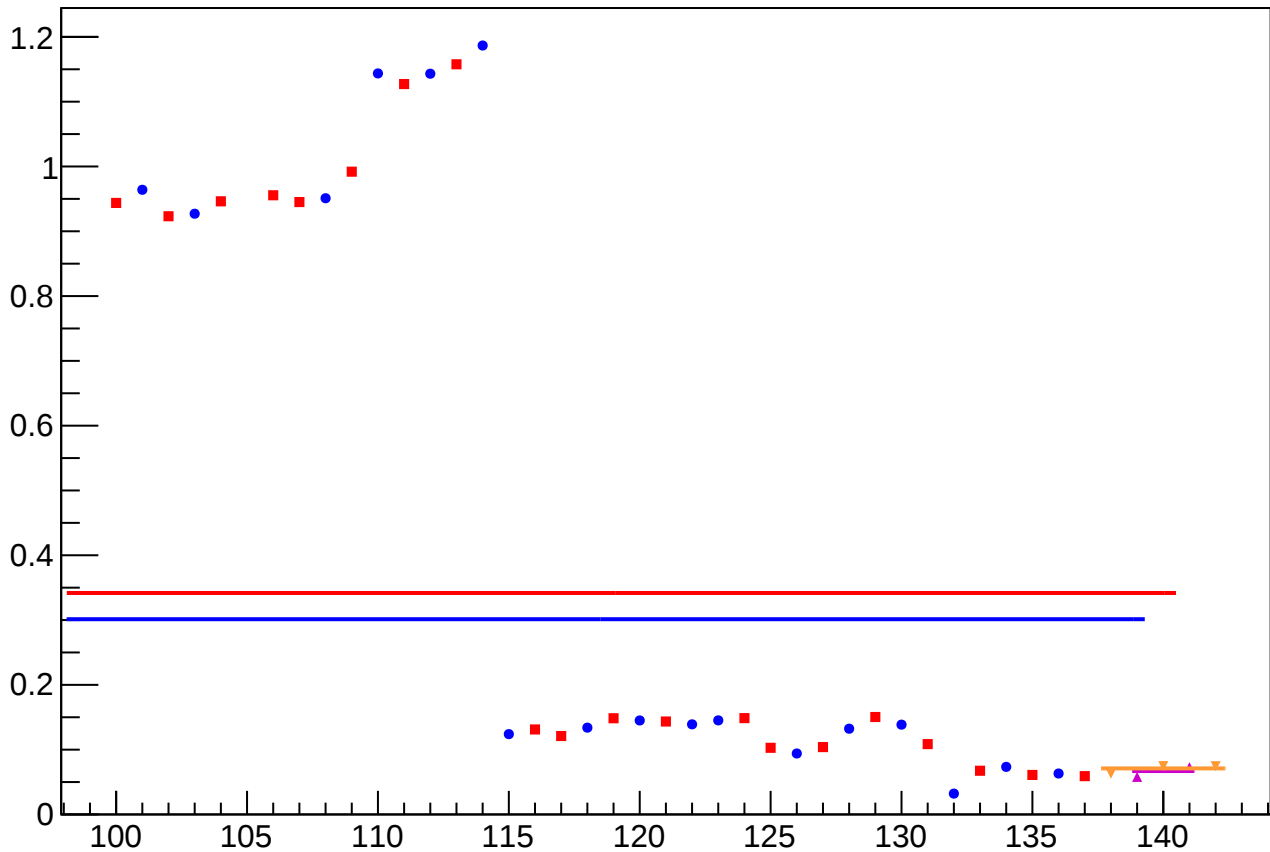
Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

Left In: 0.020+/-0.000 χ^2/NDF : 371887.0/1

0.019+/-0.000 χ^2/NDF : 1318919.3/19

0.020+/-0.000 χ^2/NDF : 1824732.7/21

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.071+/-0.000 χ^2/NDF : 397827.7/2

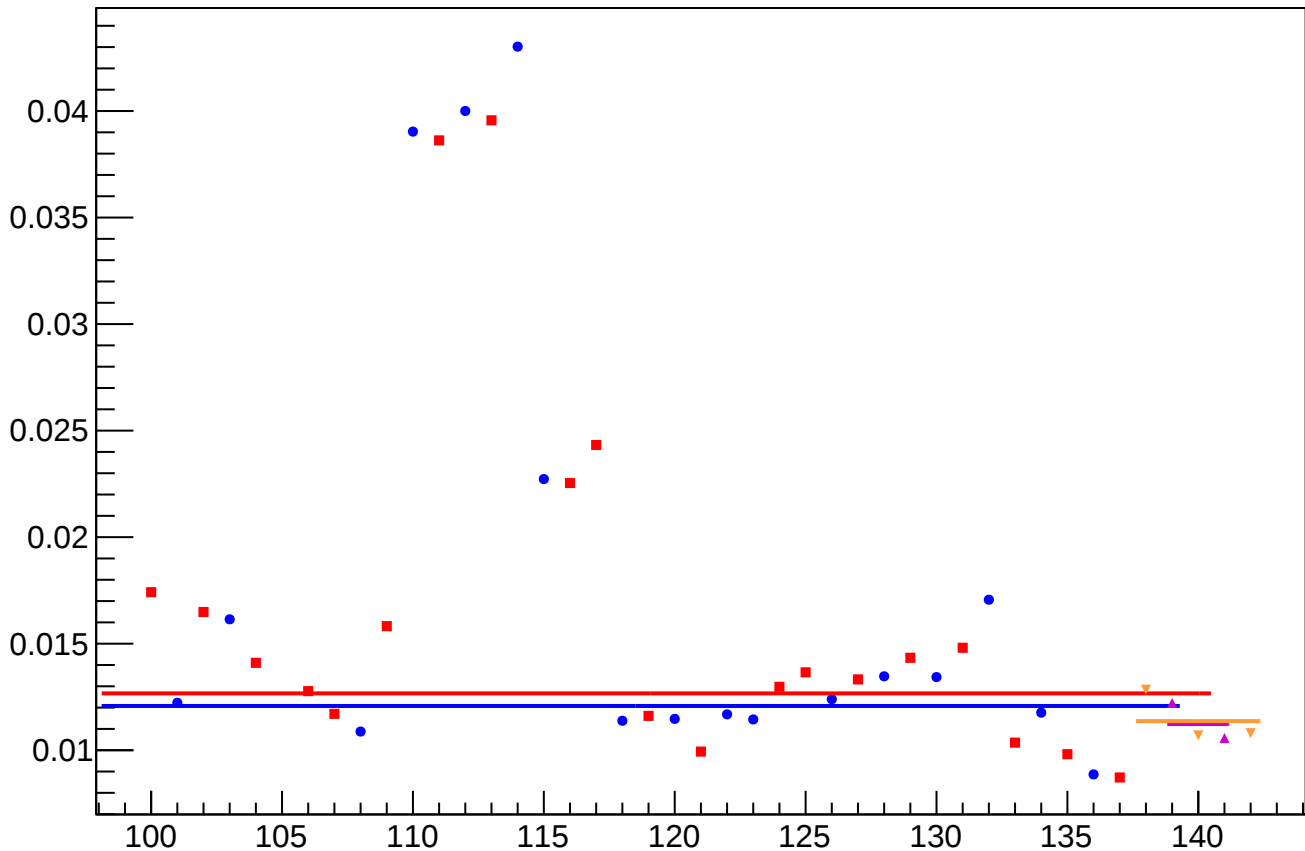
0.239+/-0.000 χ^2/NDF : 5705898960.9/19

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.275+/-0.000 χ^2/NDF : 6123993847.9/21

Left In: 0.067+/-0.000 χ^2/NDF : 633267.1/1

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011+/-0.000 χ^2/NDF :26583.8/2

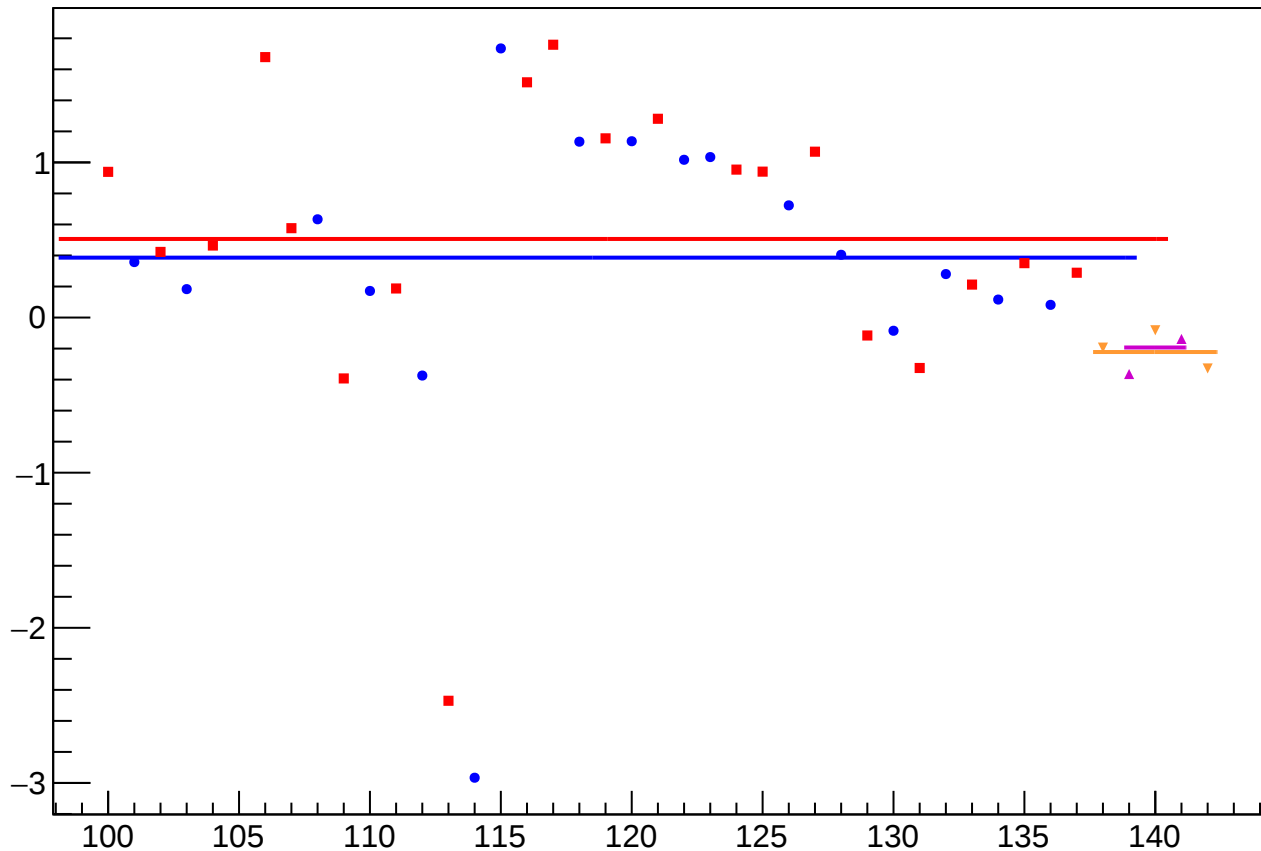
Right Out: 0.013+/-0.000 χ^2/NDF : 1253755.7/19

Left In: 0.011+/-0.000 χ^2/NDF :15389.1/1

0.012+/-0.000 χ^2/NDF : 1317423.2/19

0.012+/-0.000 χ^2/NDF : 1306271.7/21

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: -0.222+/-0.000 χ^2/NDF :2977384.2/2

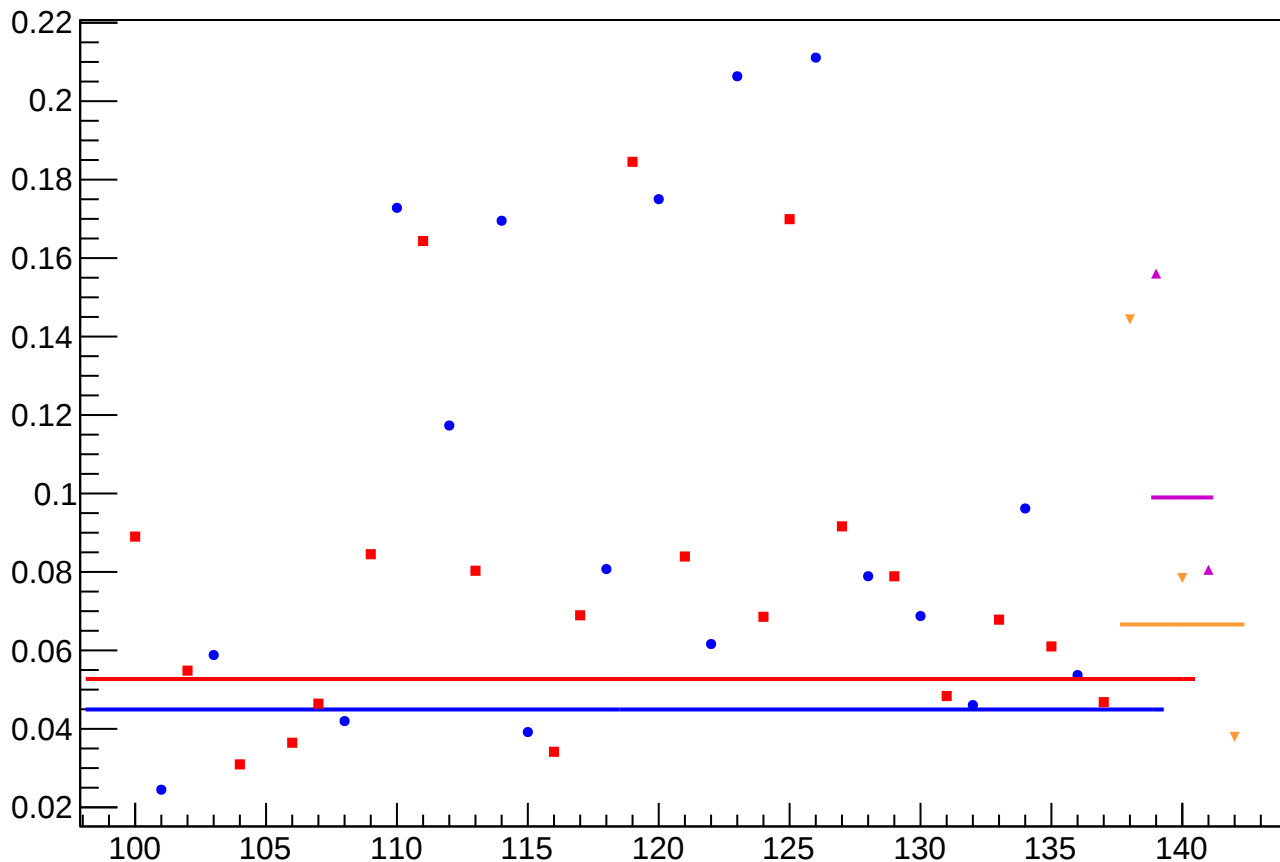
0.315+/-0.000 χ^2/NDF : 325064604.4/19

Right Out: 0.507+/-0.000 χ^2/NDF : 995373603.6/19

0.460+/-0.000 χ^2/NDF : 1044914749.0/21

Left In: -0.193+/-0.000 χ^2/NDF :1002420.3/1

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.067+/-0.000 χ^2/NDF :590026.1/2

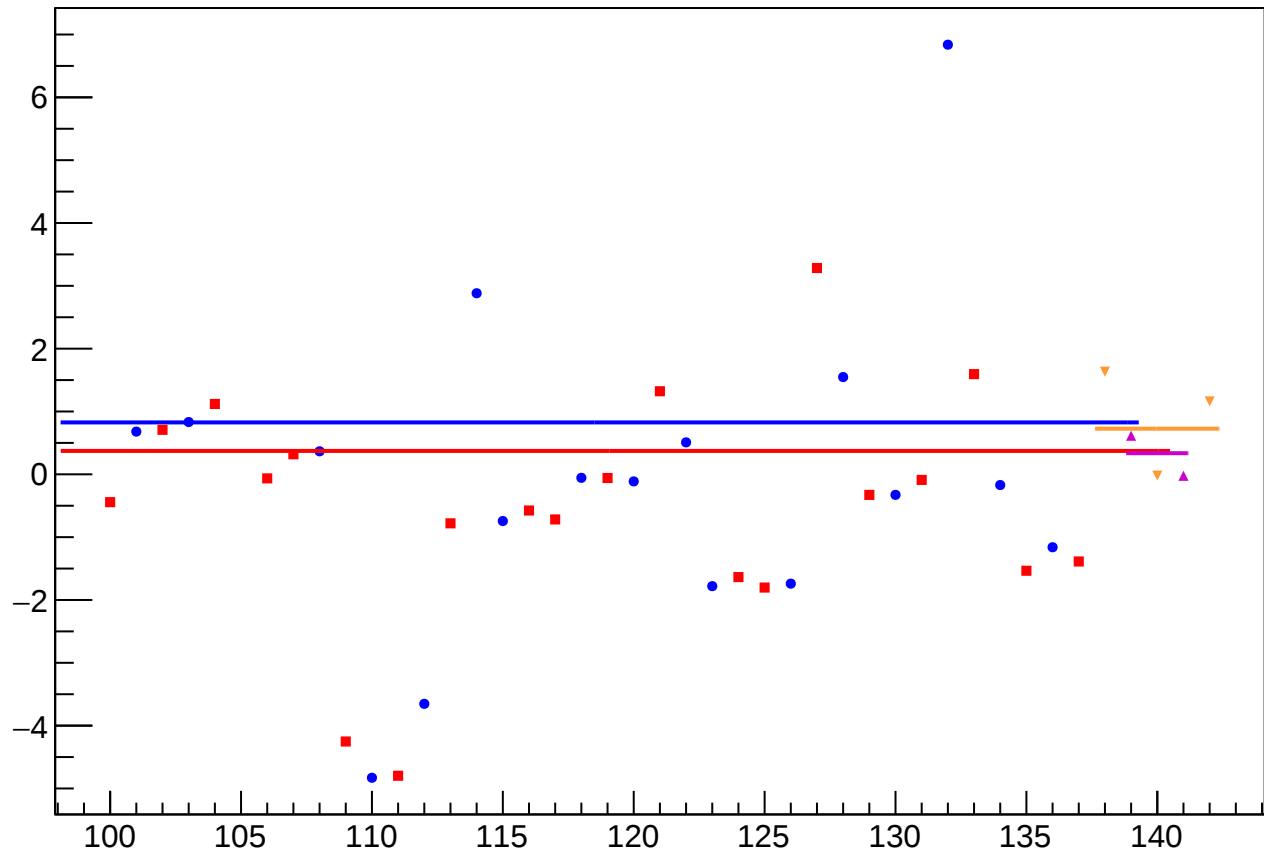
Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

Left In: 0.099+/-0.000 χ^2/NDF :223543.5/1

0.047+/-0.000 χ^2/NDF : 3570549.4/19

0.056+/-0.000 χ^2/NDF : 2843953.7/21

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.726+/-0.000 χ^2/NDF :157334201.3/2

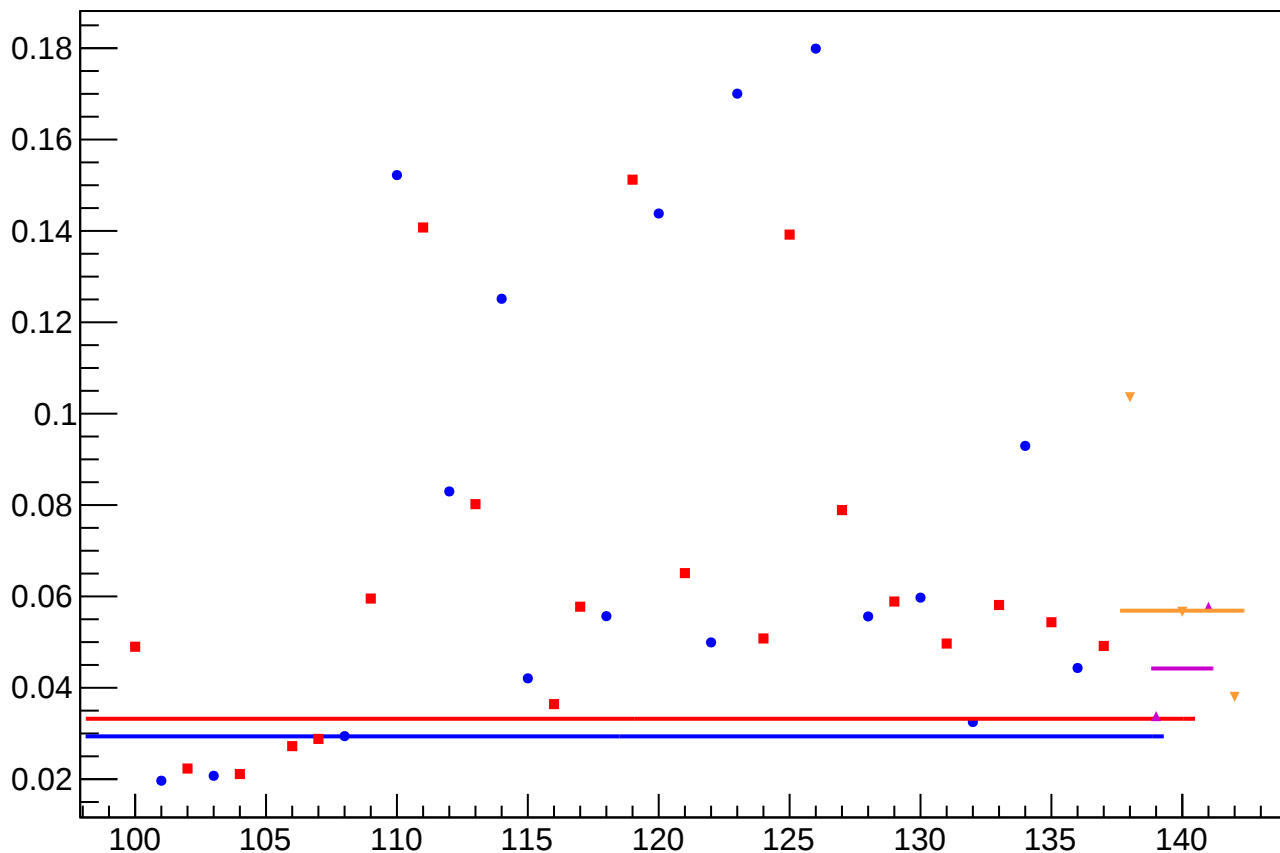
Right Out: 0.372+/-0.000 χ^2/NDF : 4960201861.0/19

Left In: 0.336+/-0.000 χ^2/NDF :32556864.5/1

0.818+/-0.000 χ^2/NDF : 11105960130.9/19

0.369+/-0.000 χ^2/NDF : 4993147090.0/21

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.057+/-0.000 χ^2/NDF :348743.0/2

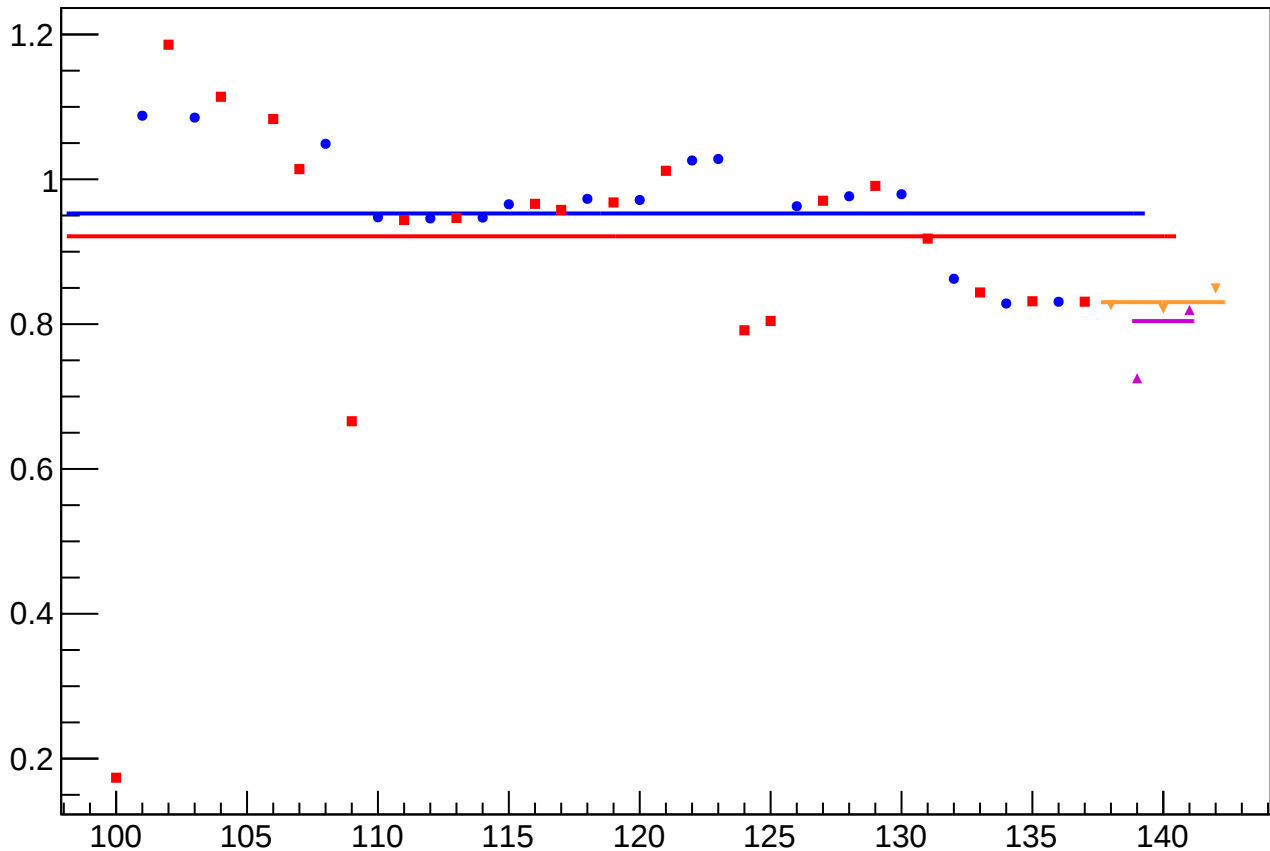
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.044+/-0.000 χ^2/NDF :91430.8/1

0.032+/-0.000 χ^2/NDF : 3818959.0/19

0.034+/-0.000 χ^2/NDF : 3275865.1/21

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.830+/-0.000 χ^2/NDF :1419315.8/2

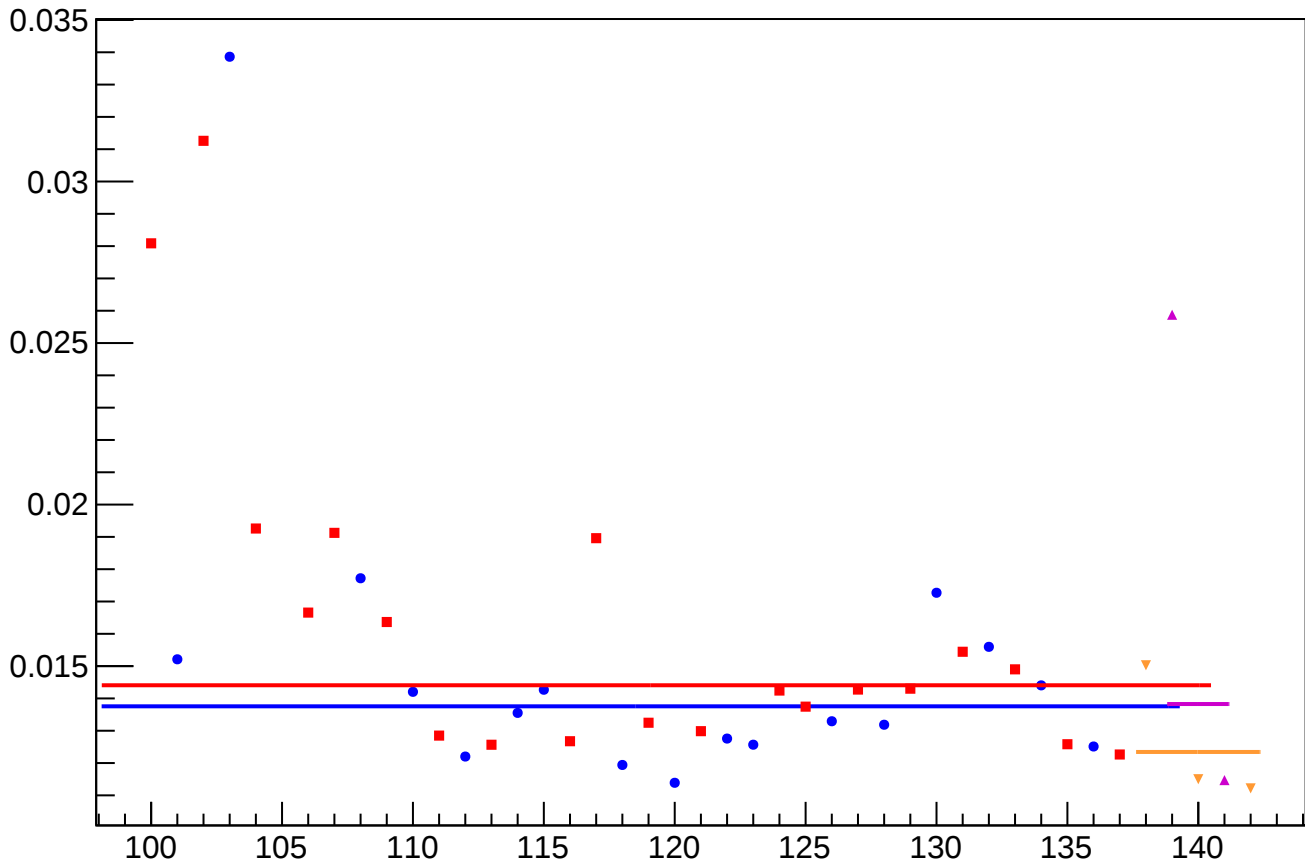
0.923+/-0.000 χ^2/NDF : 289712809.9/19

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

0.900+/-0.000 χ^2/NDF : 454049009.9/21

Left In: 0.804+/-0.000 χ^2/NDF :7777894.8/1

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.012+/-0.000 χ^2/NDF :51013.7/2

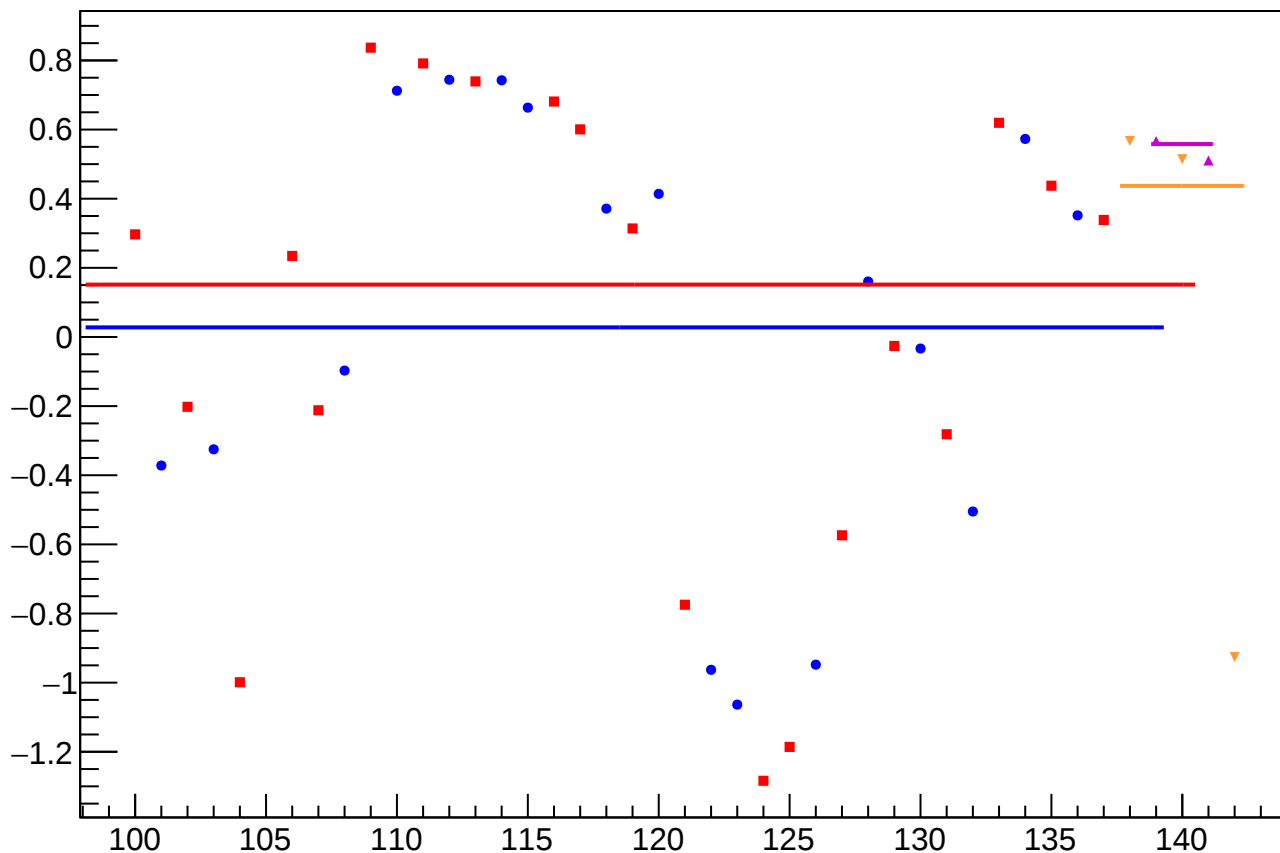
Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

Left In: 0.014+/-0.000 χ^2/NDF :362687.8/1

0.013+/-0.000 χ^2/NDF : 619406.6/19

0.014+/-0.000 χ^2/NDF : 874853.4/21

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.437+/-0.000 χ^2/NDF : 3877668087.8/2

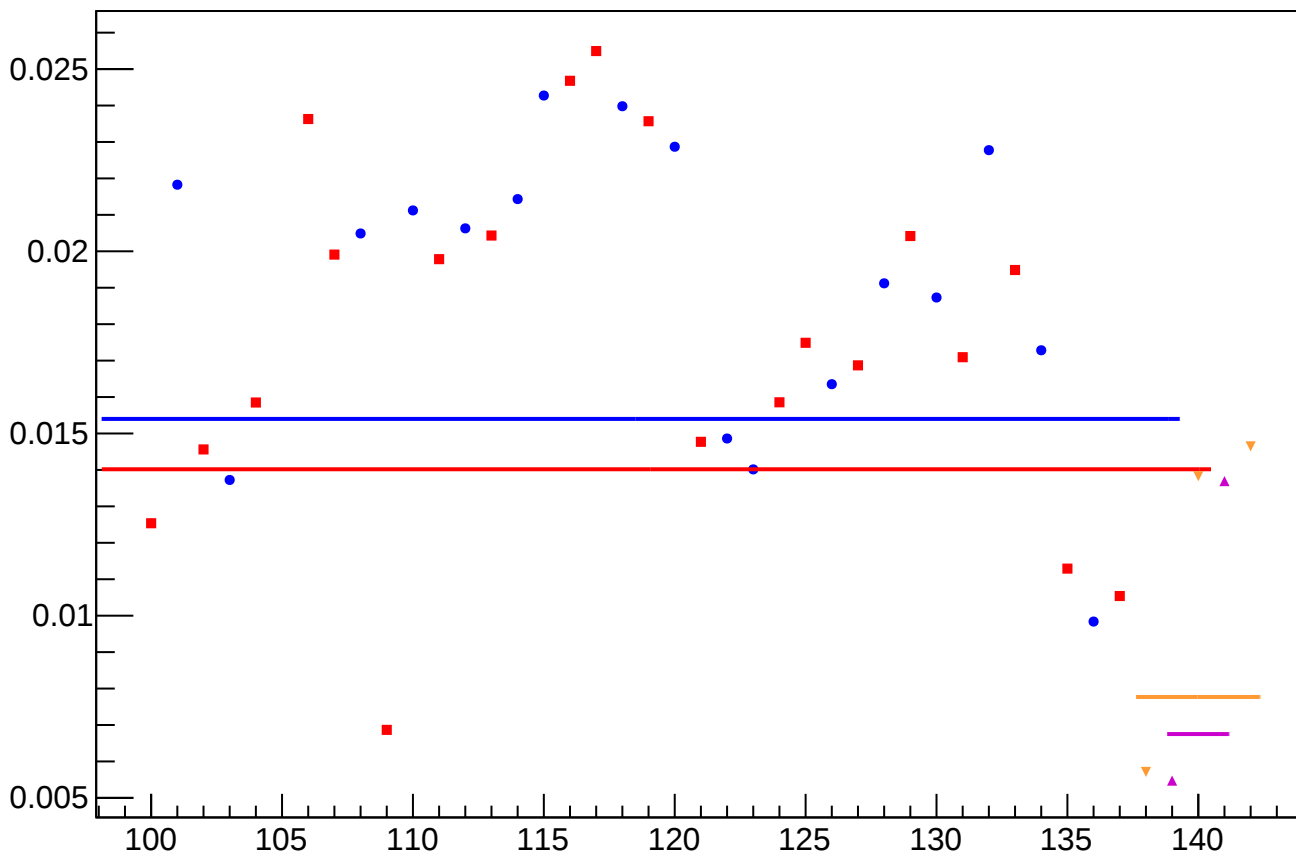
Right Out: 0.152+/-0.000 χ^2/NDF : 12665480117.0/19

Left In: 0.558+/-0.000 χ^2/NDF : 11145787.0/1

0.232+/-0.000 χ^2/NDF : 12131013250.7/19

0.348+/-0.000 χ^2/NDF : 14961633576.7/21

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 615276.3/2

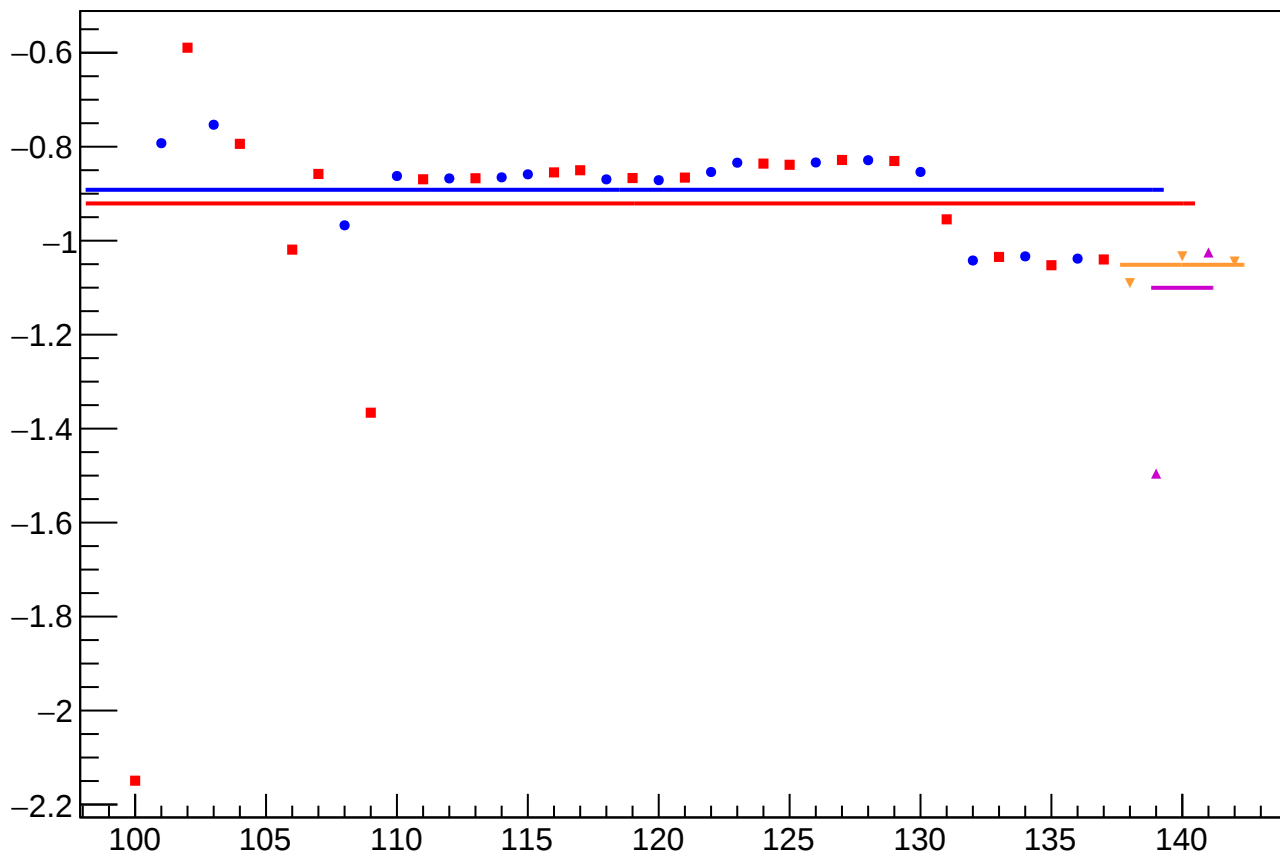
Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

Left In: 0.007+/-0.000 χ^2/NDF : 474182.7/1

0.012+/-0.000 χ^2/NDF : 3130658.7/19

0.011+/-0.000 χ^2/NDF : 3510273.6/21

yield_bpm12X_mean vs Slug



Right In: -0.892 ± 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.051 ± 0.000 χ^2/NDF : 859921.1/2

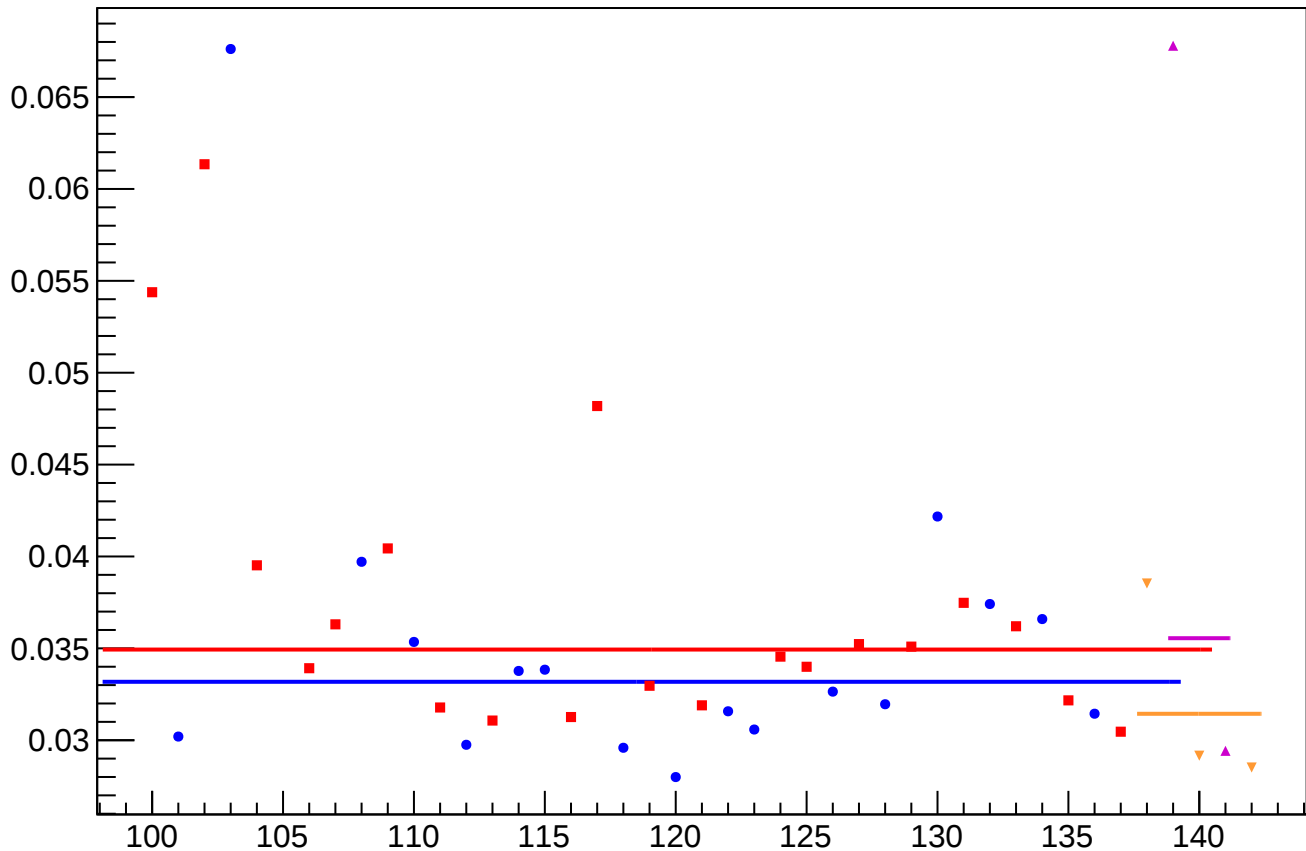
Right Out: -0.921 ± 0.000 χ^2/NDF : 131248005.3/19

Left In: -1.100 ± 0.000 χ^2/NDF : 28321231.5/1

-0.928 ± 0.000 χ^2/NDF : 70881557.3/19

-0.949 ± 0.000 χ^2/NDF : 185414534.5/21

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.031+/-0.000 χ^2/NDF :54888.1/2

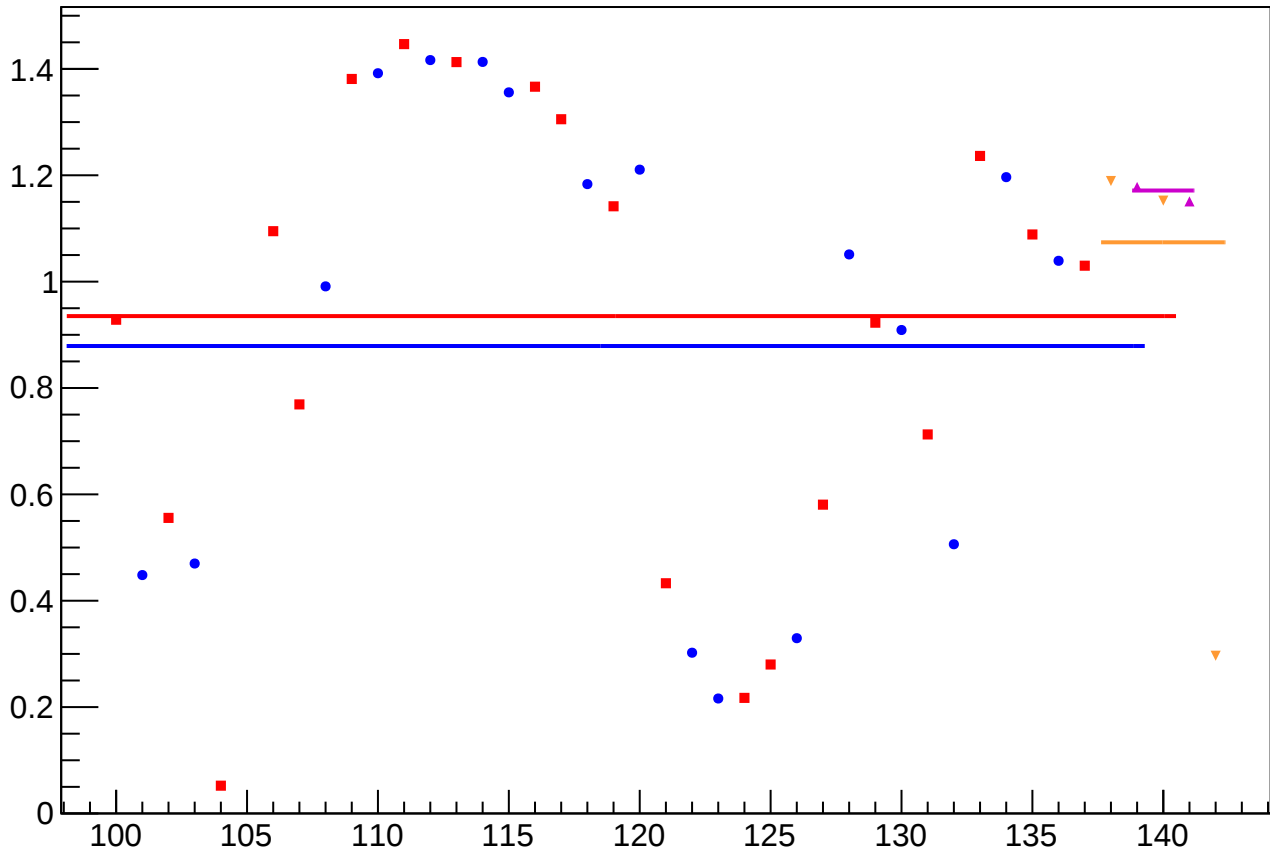
Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

Left In: 0.036+/-0.000 χ^2/NDF :376507.3/1

0.033+/-0.000 χ^2/NDF : 462186.7/19

0.035+/-0.000 χ^2/NDF : 658375.8/21

yield_bpm12Y_mean vs Slug



Right In: 0.879 ± 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 1.074 ± 0.000 χ^2/NDF : 2975820496.6/2

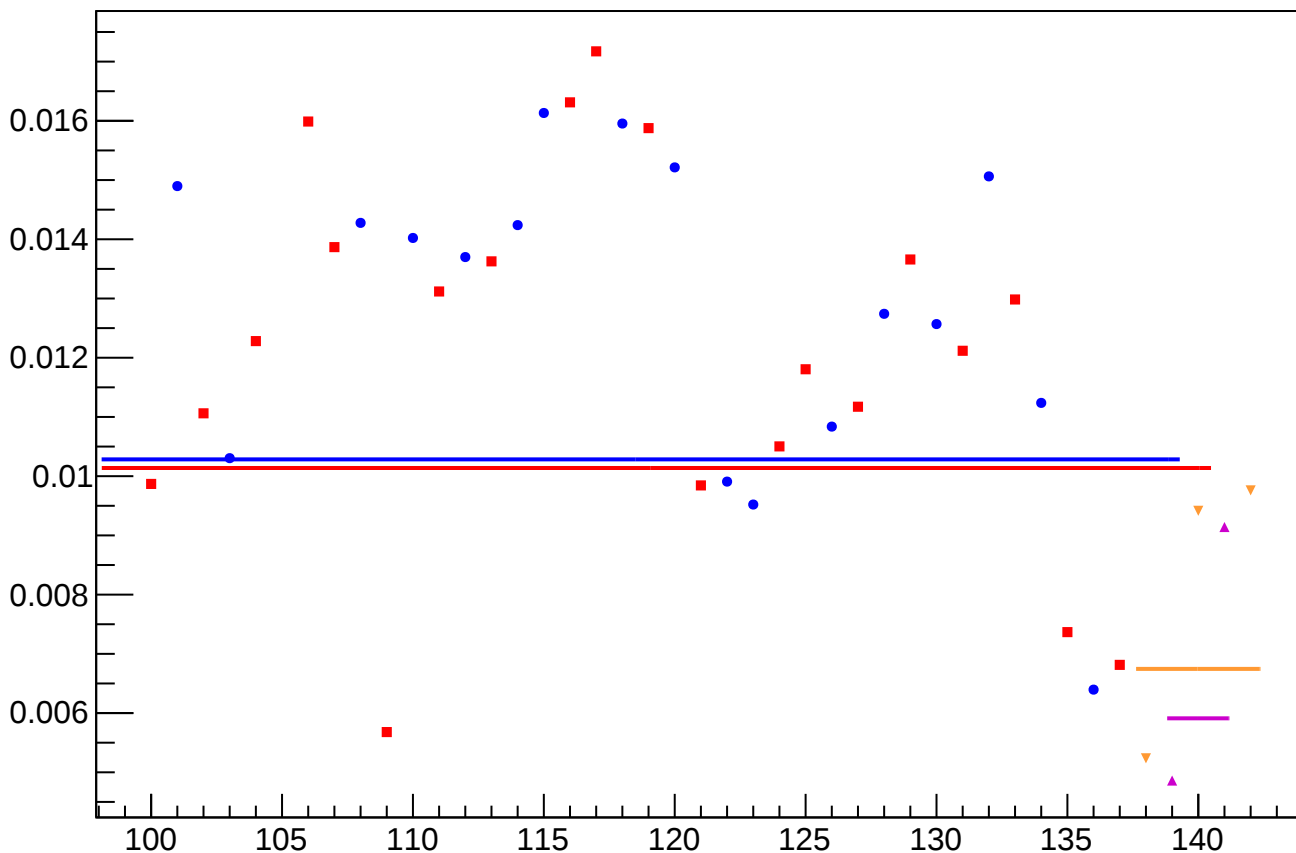
0.958 ± 0.000 χ^2/NDF : 10161788424.7/19

Right Out: 0.935 ± 0.000 χ^2/NDF : 9844960466.1/19

1.030 ± 0.000 χ^2/NDF : 11123553971.3/21

Left In: 1.171 ± 0.000 χ^2/NDF : 5182898.4/1

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 : 304929.2/2

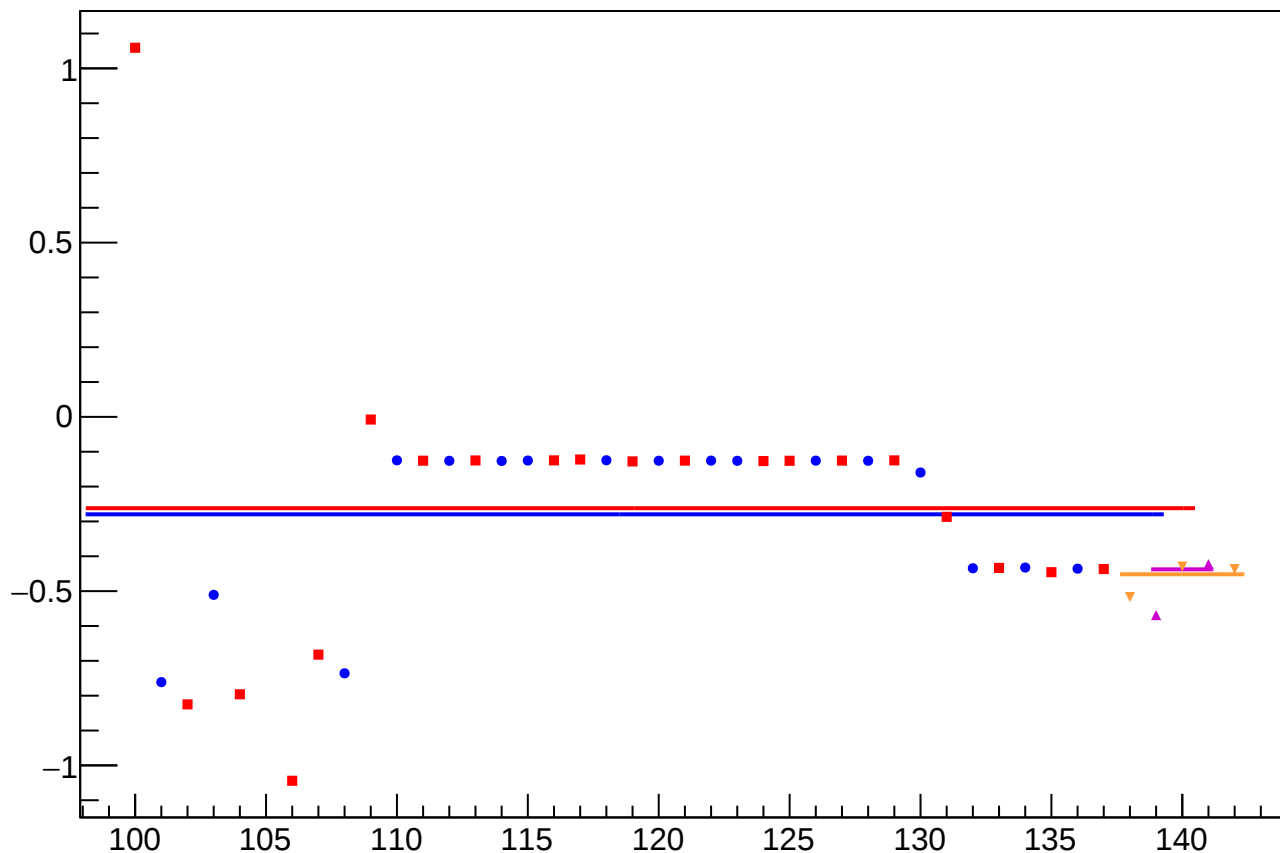
0.009+/-0.000 χ^2/NDF : 2048498.6/19

Right Out: 0.010+/-0.000 χ^2/NDF : 1189529.0/19

0.008+/-0.000 χ^2/NDF : 2263940.9/21

Left In: 0.006+/-0.000 χ^2/NDF : 258434.8/1

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.452 ± 0.000 χ^2/NDF : 20214571.8/2

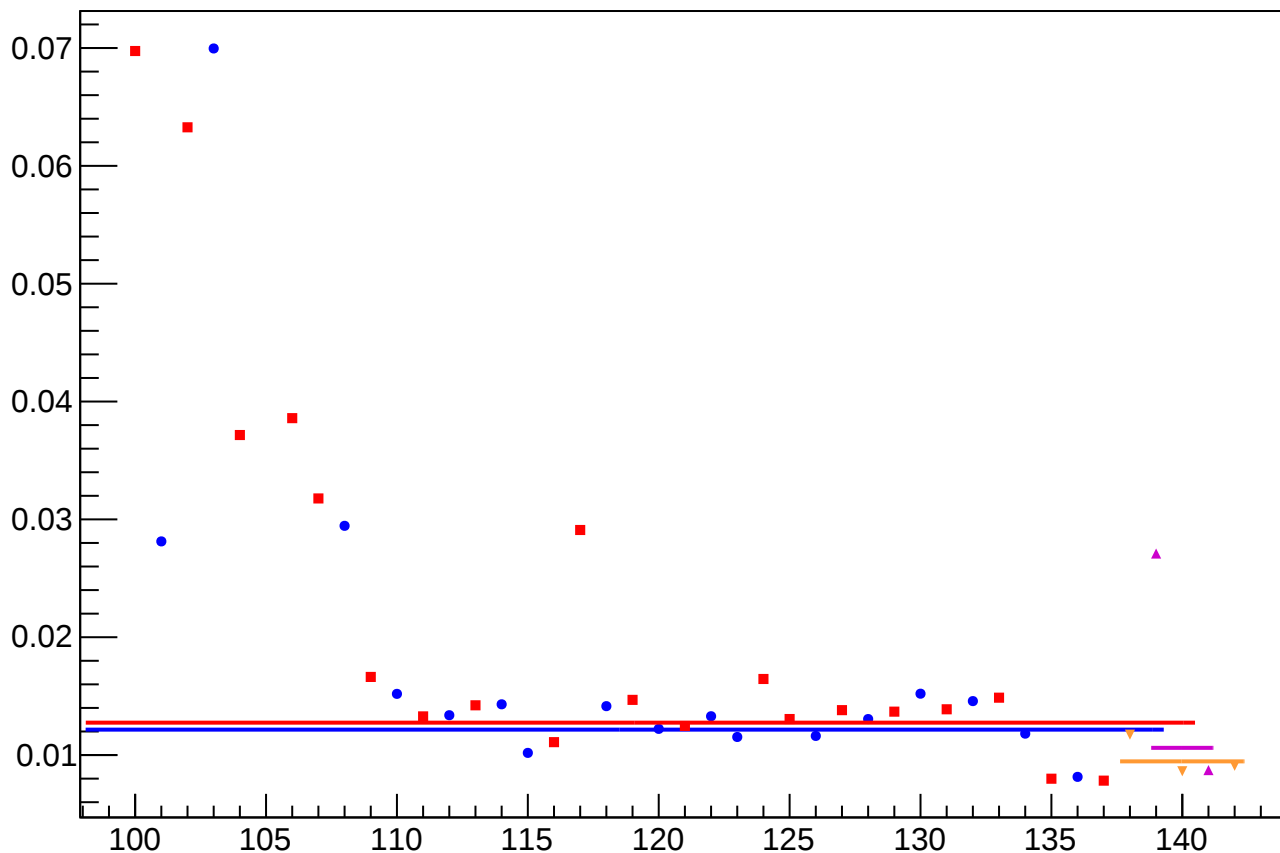
Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

Left In: -0.437 ± 0.000 χ^2/NDF : 18566367.7/1

-0.337 ± 0.000 χ^2/NDF : 1259226493.2/19

-0.304 ± 0.000 χ^2/NDF : 1245797428.3/21

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: 49570.1/2

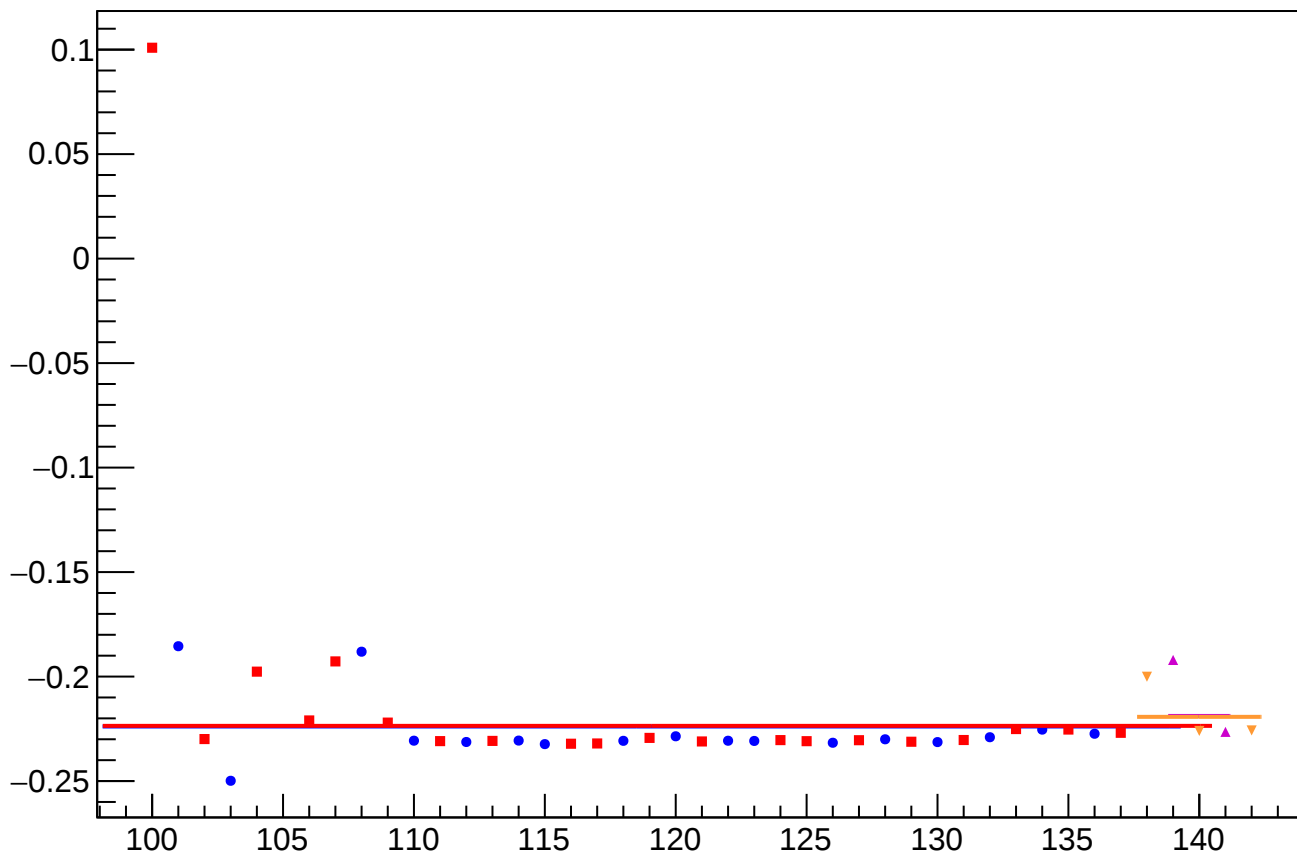
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1991972.4/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 585638.5/1

0.011 $\pm$ 0.000 χ^2 /NDF: 1924093.5/19

0.012 $\pm$ 0.000 χ^2 /NDF: 2642955.0/21

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.219+/-0.000 χ^2/NDF : 10057406.1/2

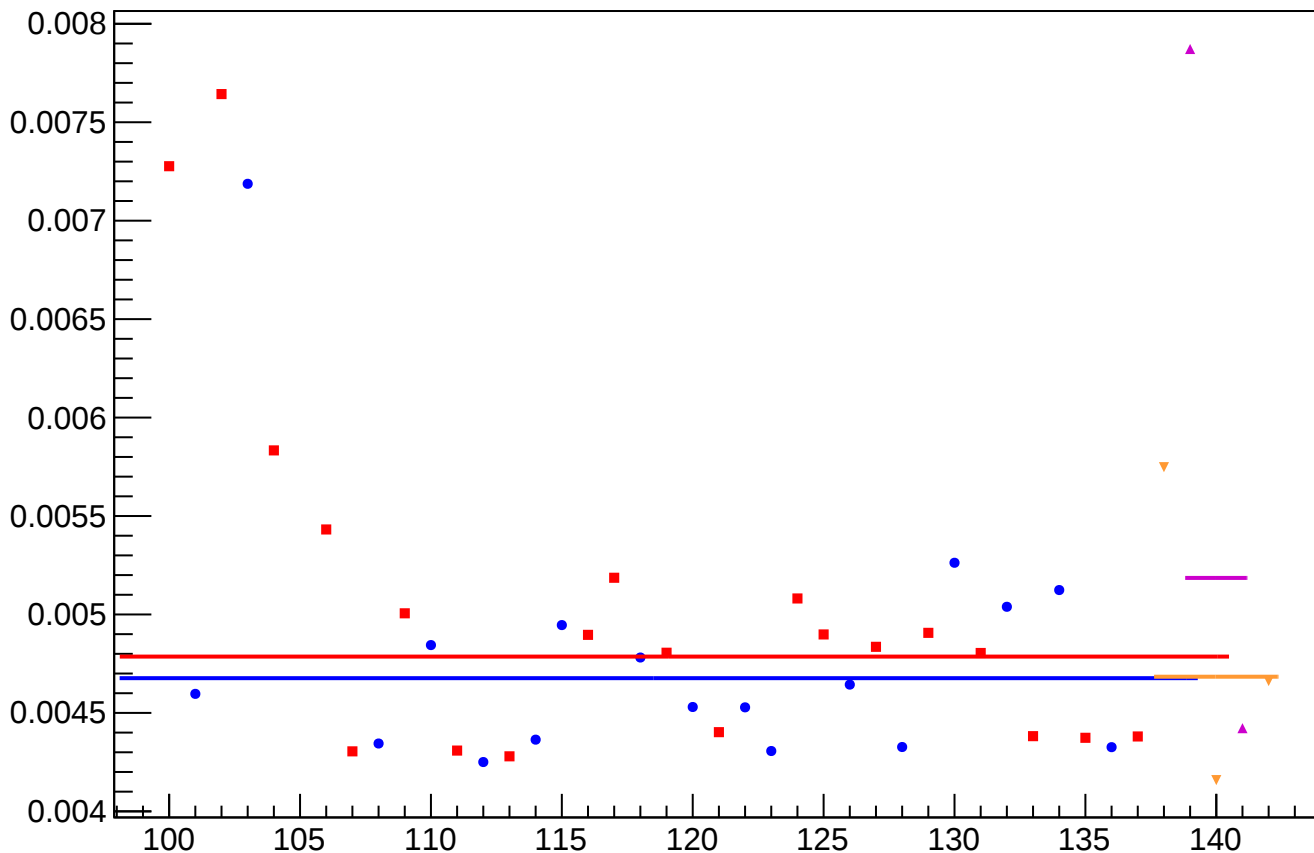
Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

Left In: -0.219+/-0.000 χ^2/NDF : 10222442.9/1

-0.223+/-0.000 χ^2/NDF : 85955831.3/19

-0.223+/-0.000 χ^2/NDF : 179409166.7/21

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 68132.6/2

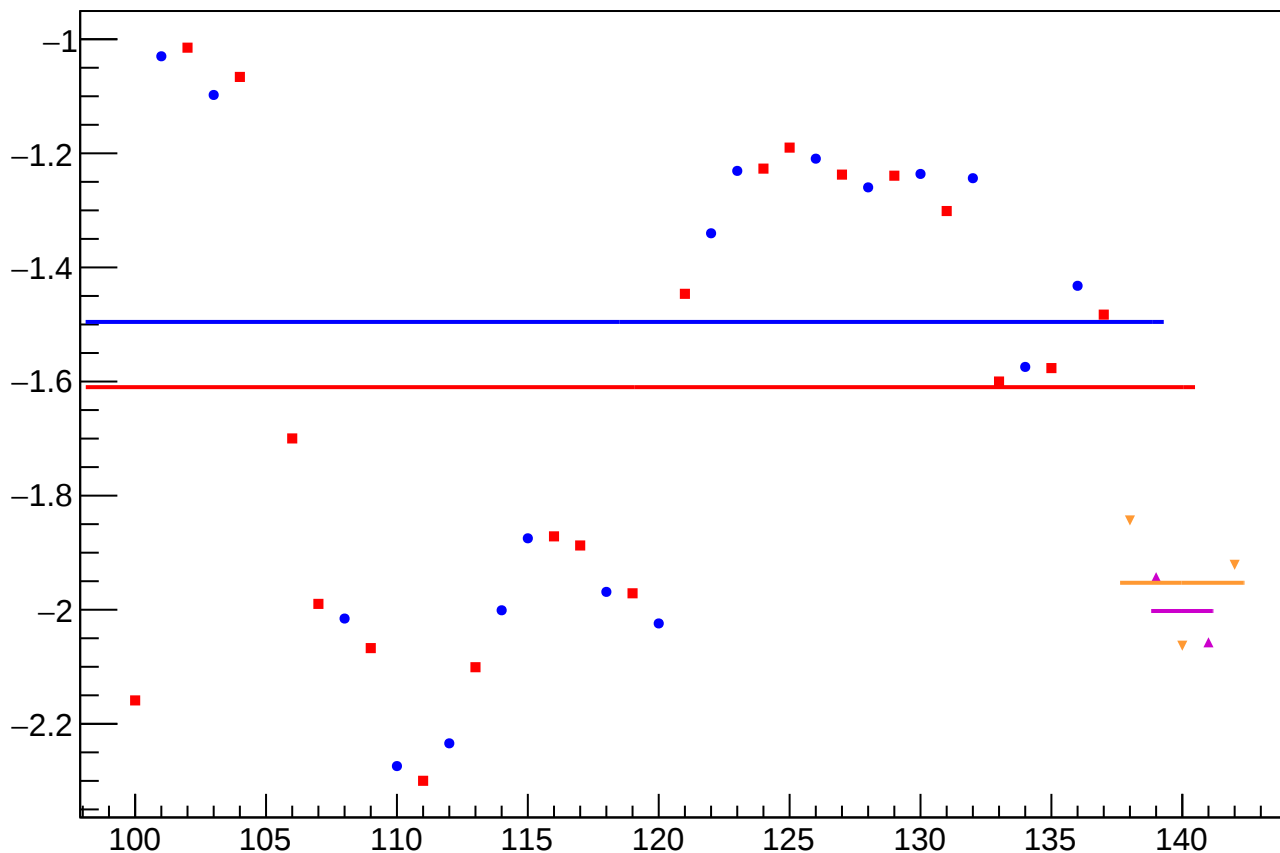
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 205461.4/1

0.005+/-0.000 χ^2/NDF : 248920.1/19

0.005+/-0.000 χ^2/NDF : 467780.1/21

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.953 ± 0.000 χ^2/NDF : 615597680.0/2

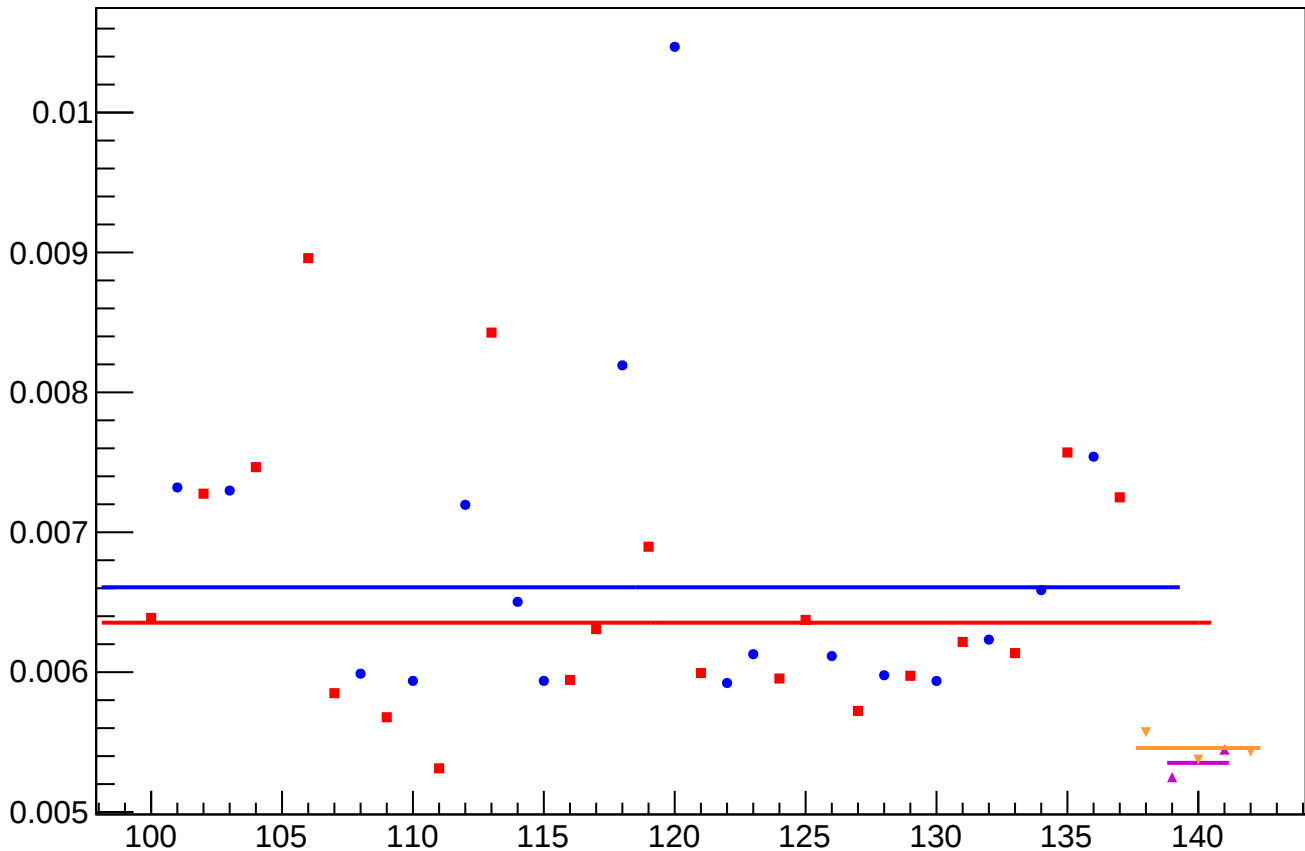
Right Out: -1.640 ± 0.000 χ^2/NDF : 27936032778.6/19

Left In: -2.002 ± 0.000 χ^2/NDF : 173790336.2/1

-1.640 ± 0.000 χ^2/NDF : 32264228517.3/19

-1.706 ± 0.000 χ^2/NDF : 34315029731.9/21

yield_bpm0l01X_rms vs Slug



Right In: 0.007 ± 0.000 χ^2/NDF : 201323.2/16

Left Out: 0.005 ± 0.000 χ^2/NDF : 974.7/2

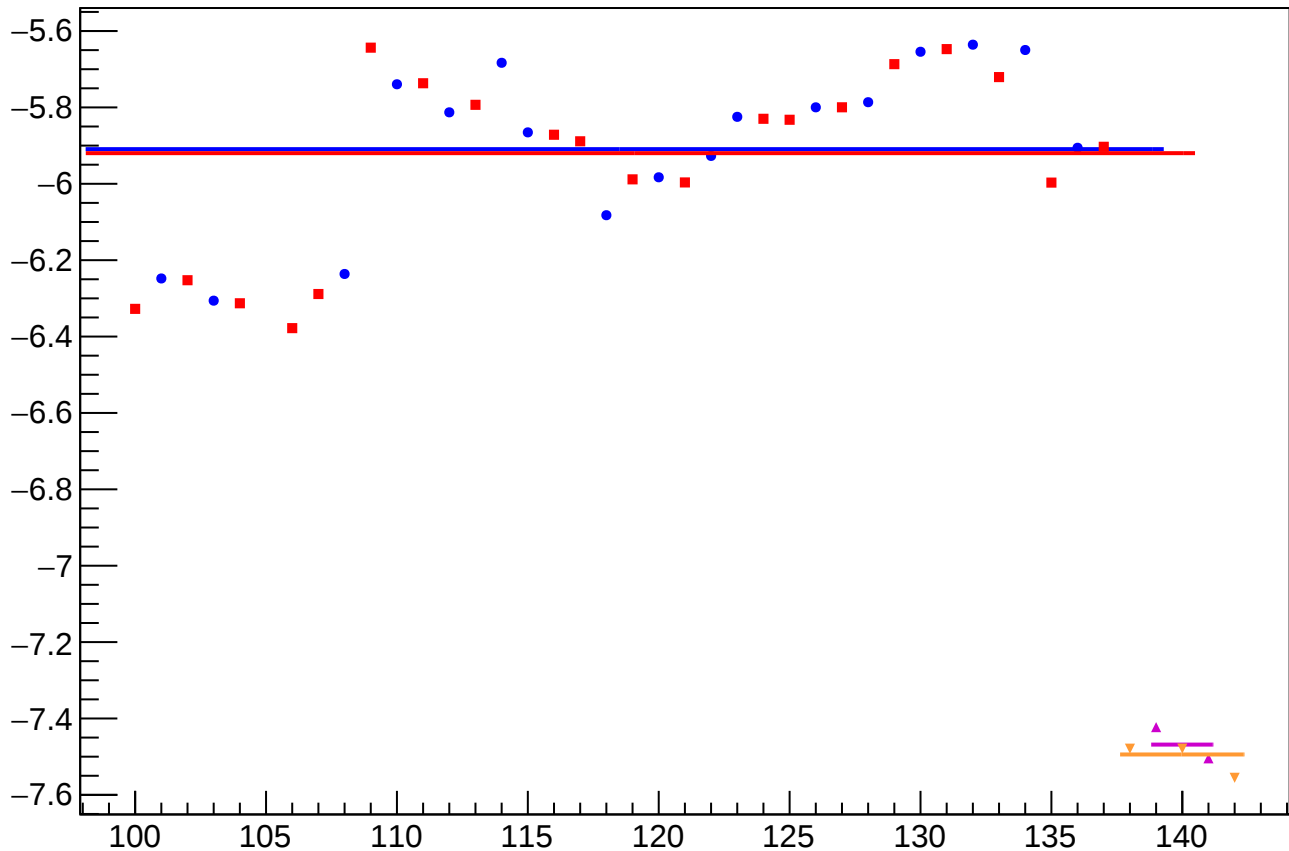
Right Out: 0.006 ± 0.000 χ^2/NDF : 227292.5/19

Left In: 0.005 ± 0.000 χ^2/NDF : 1033.2/1

0.006 ± 0.000 χ^2/NDF : 317705.4/19

0.006 ± 0.000 χ^2/NDF : 309307.4/21

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.494+/-0.000 χ^2/NDF : 20551389.3/2

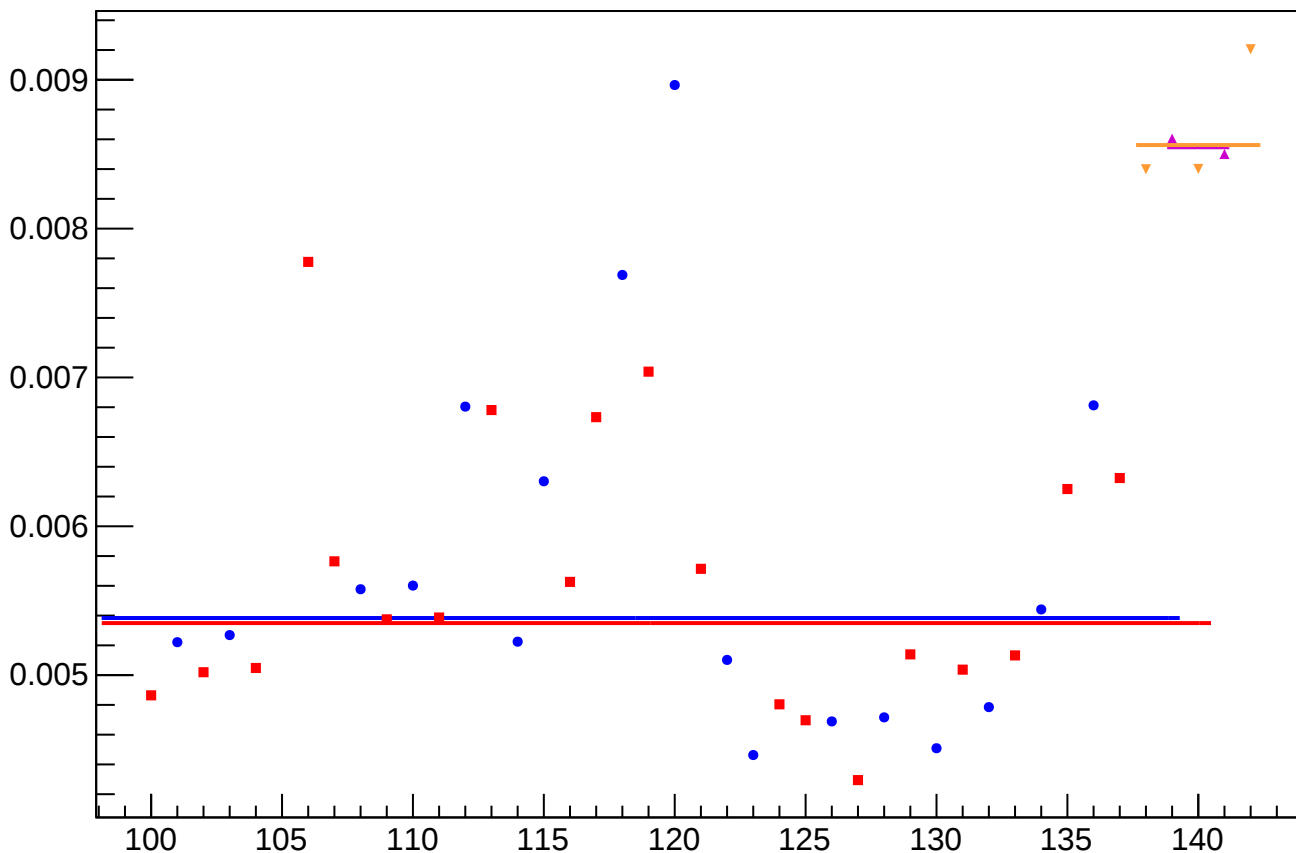
Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

Left In: -7.468+/-0.000 χ^2/NDF : 30127911.7/1

-6.065+/-0.000 χ^2/NDF : 60909969878.8/19

-6.037+/-0.000 χ^2/NDF : 53436351369.2/21

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 4566.0/2

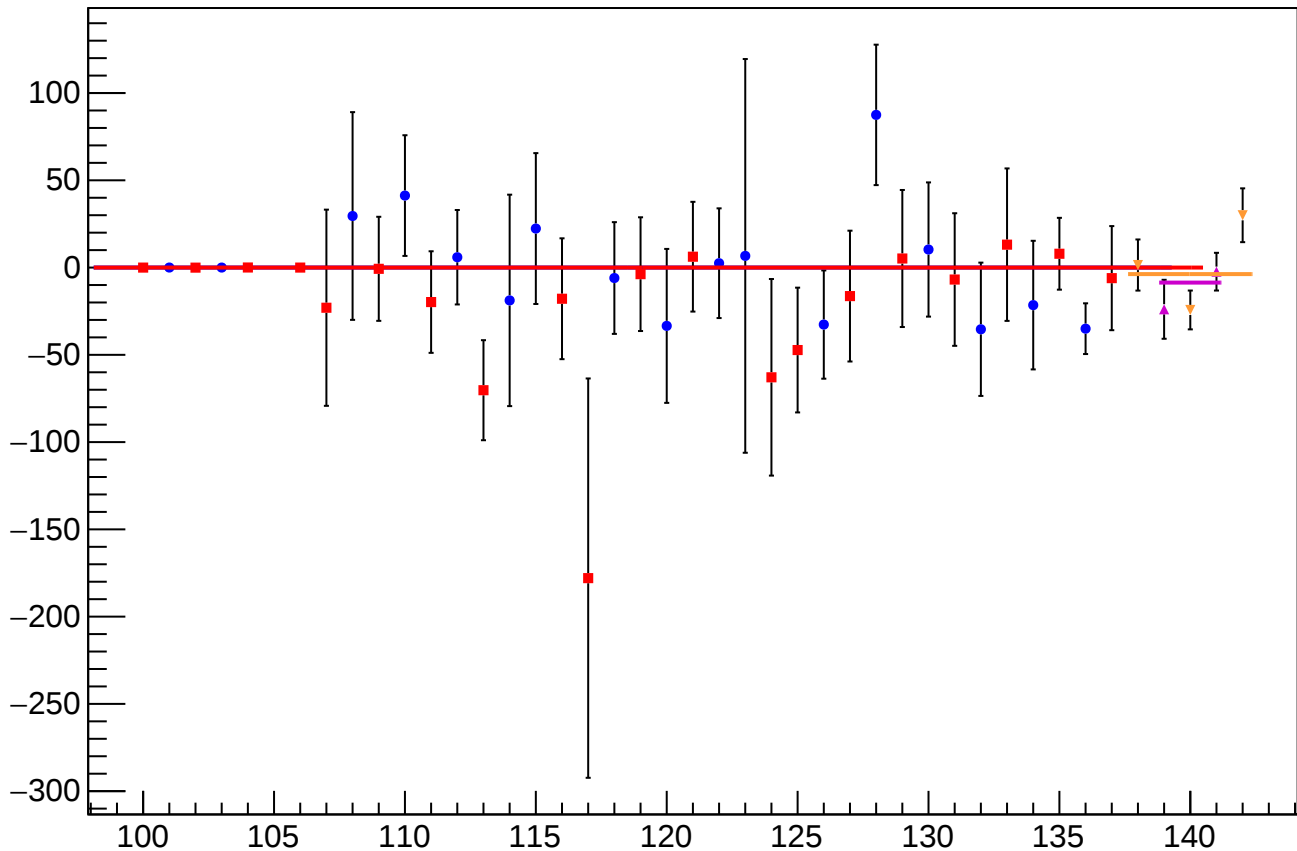
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.009+/-0.000 χ^2/NDF : 95.8/1

0.006+/-0.000 χ^2/NDF : 752255.9/19

0.006+/-0.000 χ^2/NDF : 594351.5/21

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 15.8/16

Left Out: -3.739+/-7.681 χ^2/NDF : 8.3/2

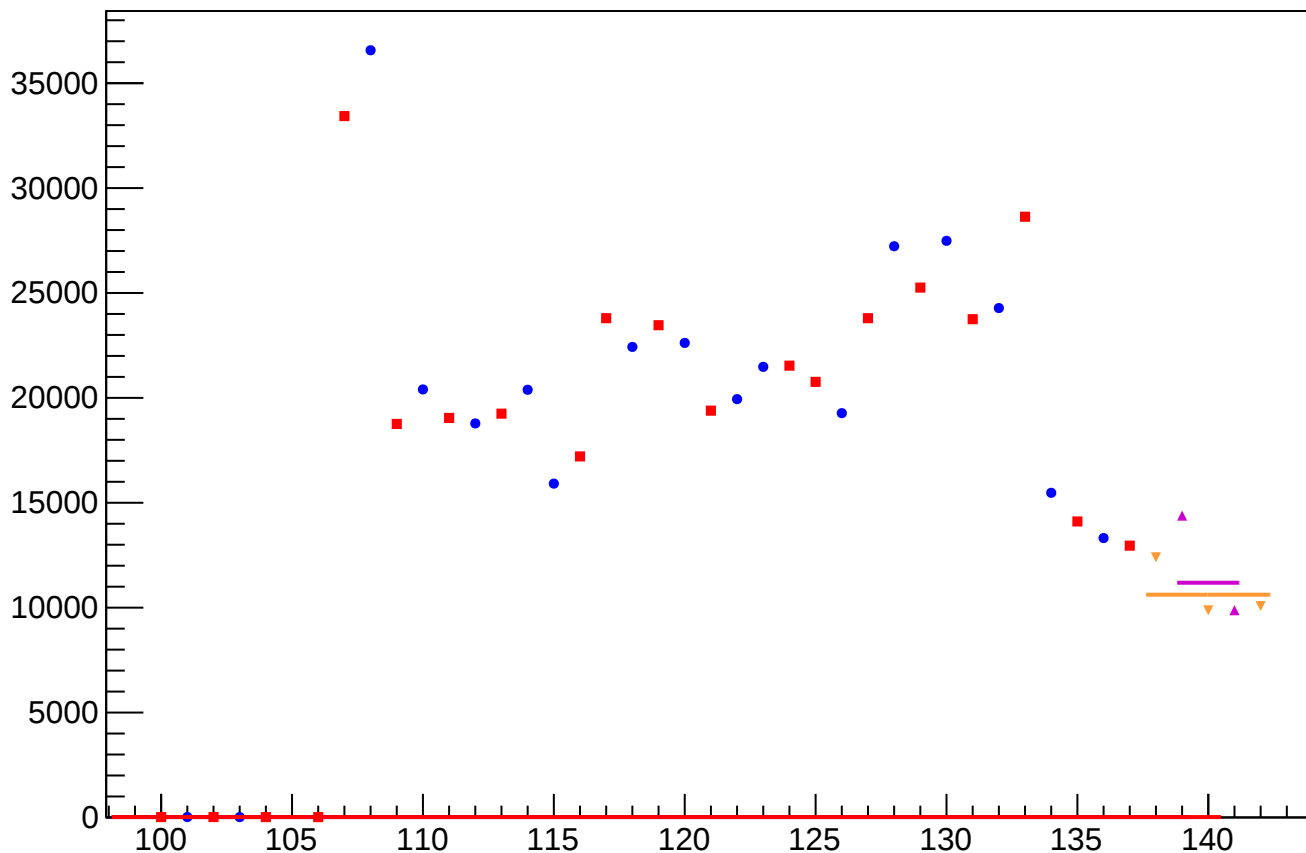
Right Out: 0.003+/-0.016 χ^2/NDF : 17.7/19

Left In: -8.608+/-9.104 χ^2/NDF : 1.2/1

0.013+/-0.017 χ^2/NDF : 24.3/19

0.003+/-0.016 χ^2/NDF : 19.8/21

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 10616.887+/-5.431 χ^2/NDF : 41049.7/2

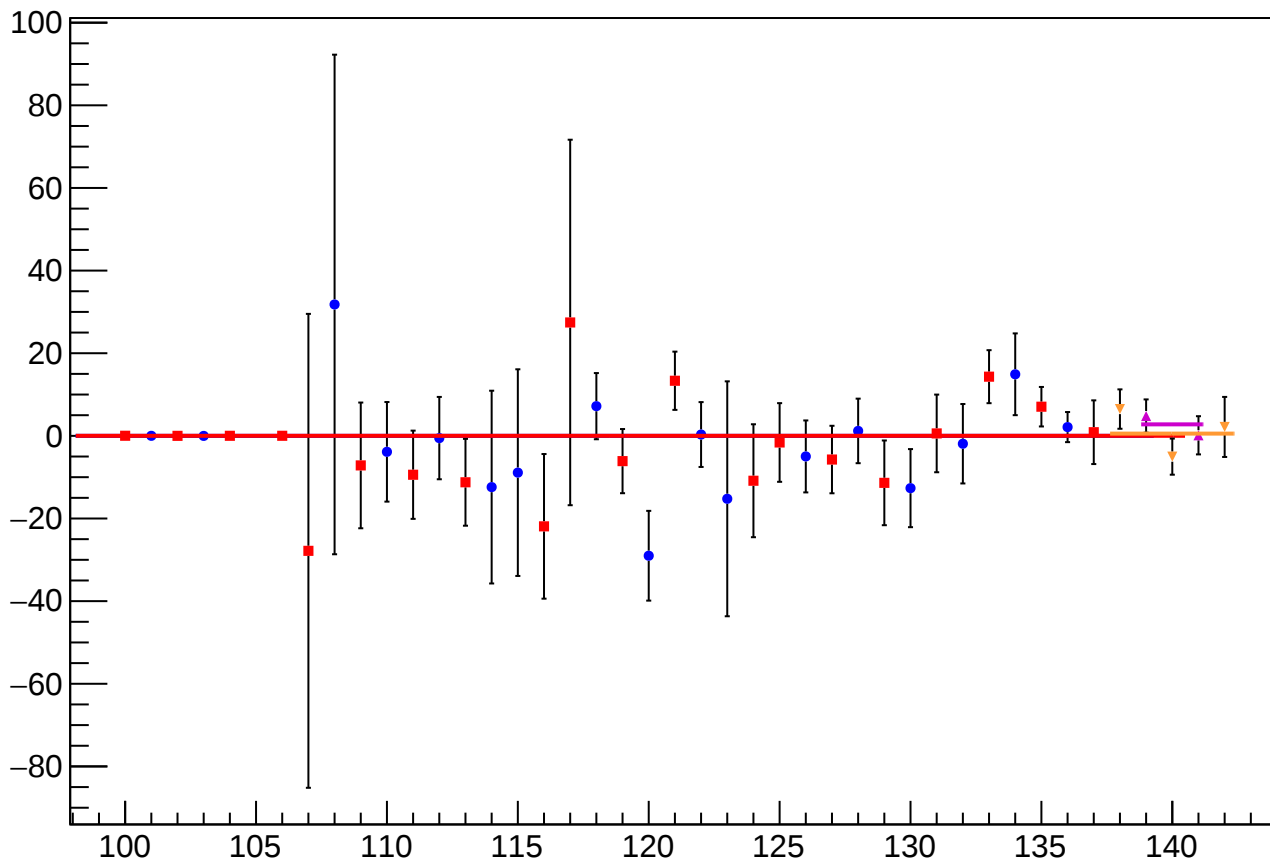
Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

Left In: 11188.350+/-6.437 χ^2/NDF : 101067.4/1

18.695+/-0.012 χ^2/NDF : 14690231.9/19

18.347+/-0.011 χ^2/NDF : 14301775.0/21

diff_cav4bY_mean vs Slug



Right In: 0.001+/-0.009 χ^2/NDF : 14.9/16

Left Out: 0.547+/-2.945 χ^2/NDF : 3.2/2

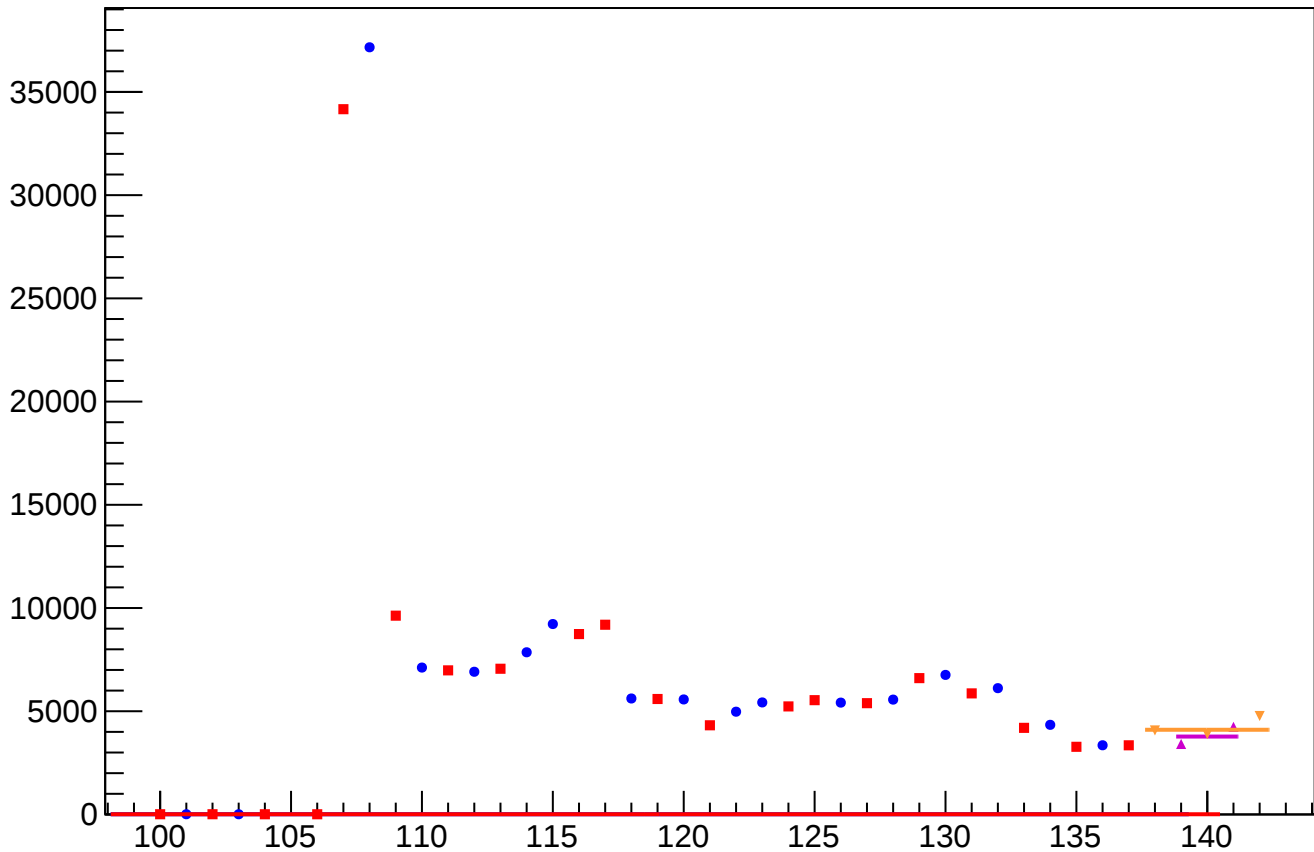
Right Out: 0.014+/-0.009 χ^2/NDF : 18.8/19

Left In: 2.786+/-3.036 χ^2/NDF : 0.6/1

0.001+/-0.009 χ^2/NDF : 18.2/19

0.014+/-0.009 χ^2/NDF : 20.2/21

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 10973577.1/16

Left Out: 4102.465 ± 2.082 χ^2/NDF : 21722.1/2

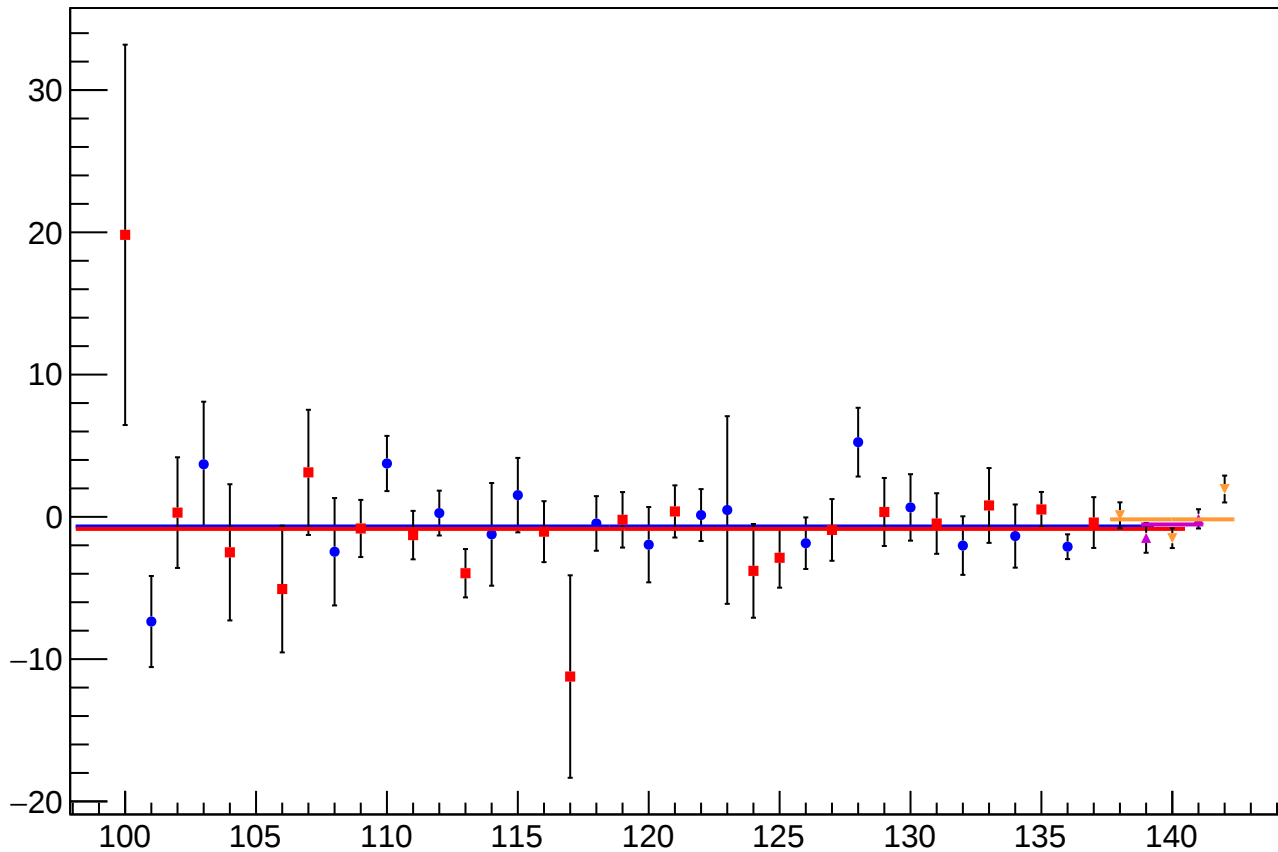
Right Out: 9.855 ± 0.006 χ^2/NDF : 11238836.3/19

Left In: 3773.365 ± 2.147 χ^2/NDF : 36696.0/1

9.978 ± 0.007 χ^2/NDF : 14857430.6/19

9.885 ± 0.006 χ^2/NDF : 14348785.7/21

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.176 ± 0.477 χ^2/NDF : 8.8/2

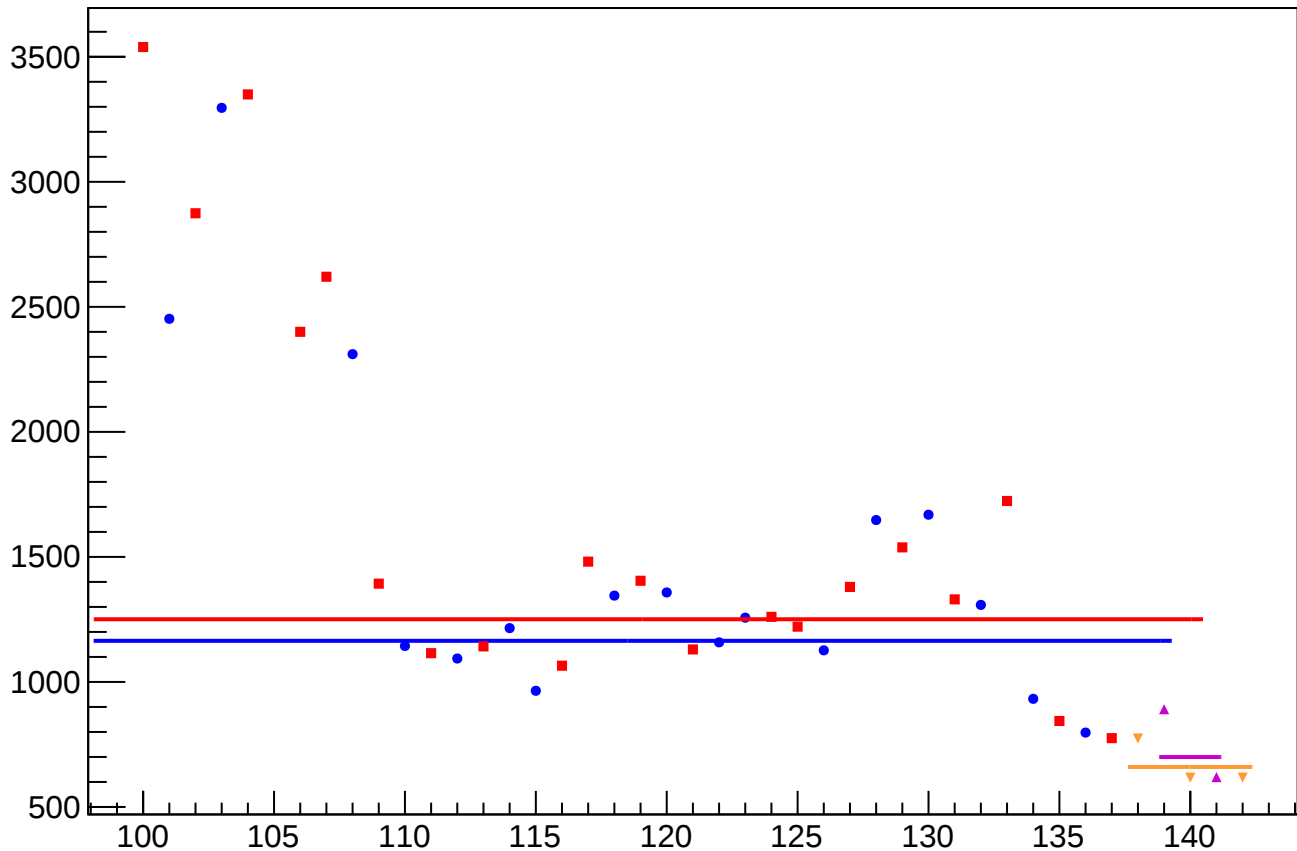
Right Out: -0.846 ± 0.500 χ^2/NDF : 14.1/19

Left In: -0.534 ± 0.569 χ^2/NDF : 1.1/1

-0.423 ± 0.340 χ^2/NDF : 31.6/19

-0.710 ± 0.375 χ^2/NDF : 15.4/21

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 660.018 $\pm$ 0.337 χ^2 /NDF: 42750.2/2

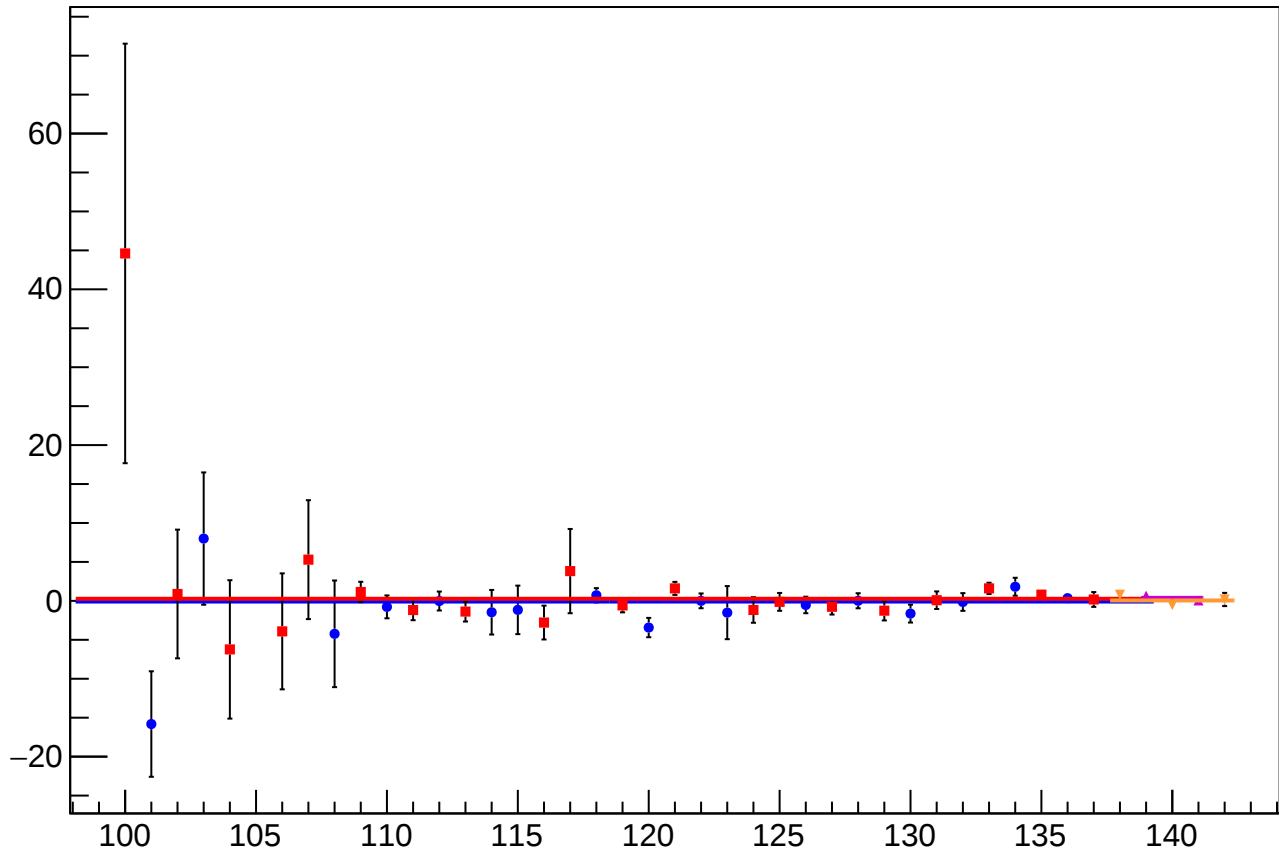
Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

Left In: 699.658 $\pm$ 0.402 χ^2 /NDF: 94886.4/1

908.617 $\pm$ 0.240 χ^2 /NDF: 2728183.3/19

1010.393 $\pm$ 0.266 χ^2 /NDF: 2806501.7/21

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.052 ± 0.349 χ^2/NDF : 3.0/2

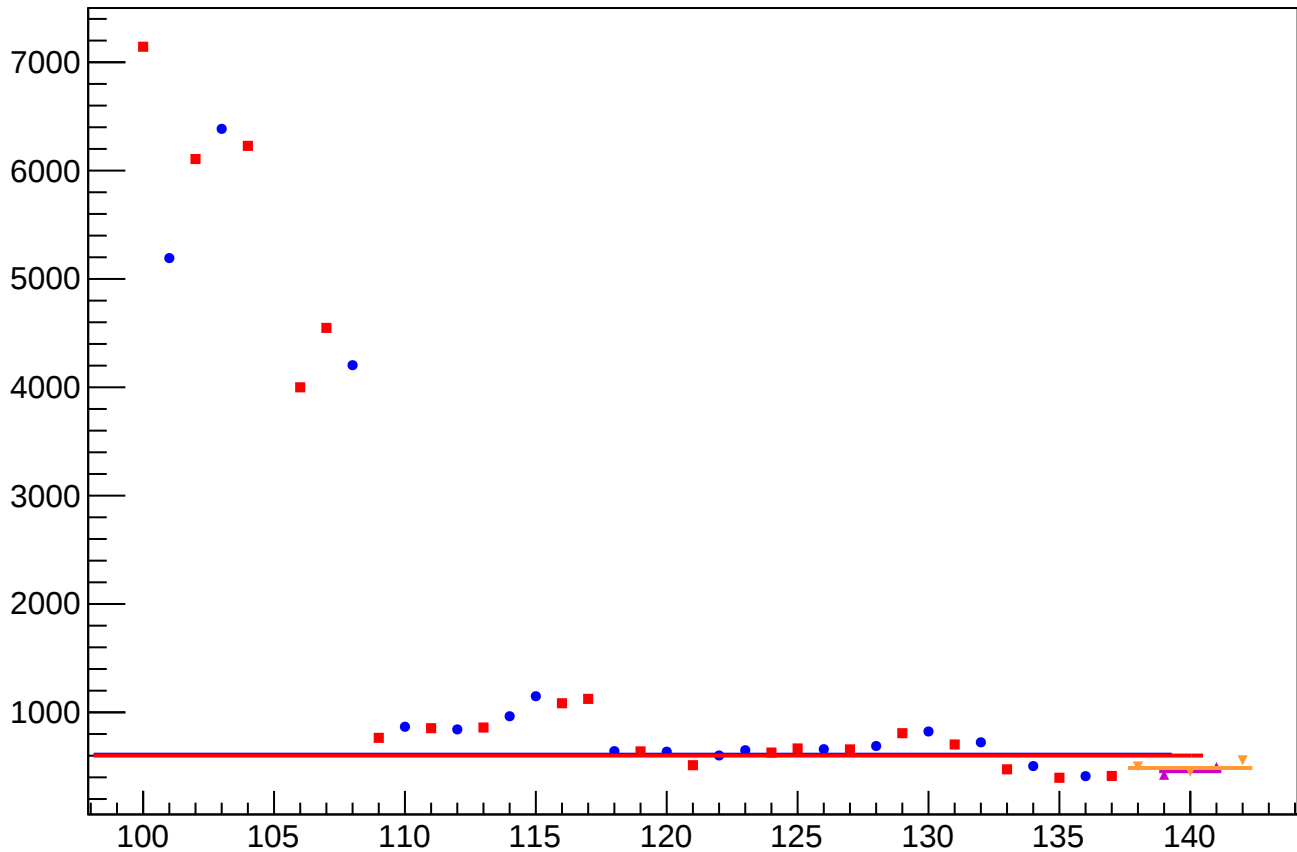
Right Out: 0.268 ± 0.264 χ^2/NDF : 20.9/19

Left In: 0.385 ± 0.367 χ^2/NDF : 0.7/1

-0.034 ± 0.214 χ^2/NDF : 24.1/19

0.308 ± 0.214 χ^2/NDF : 21.6/21

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 486.306+/-0.247 χ^2/NDF : 25184.0/2

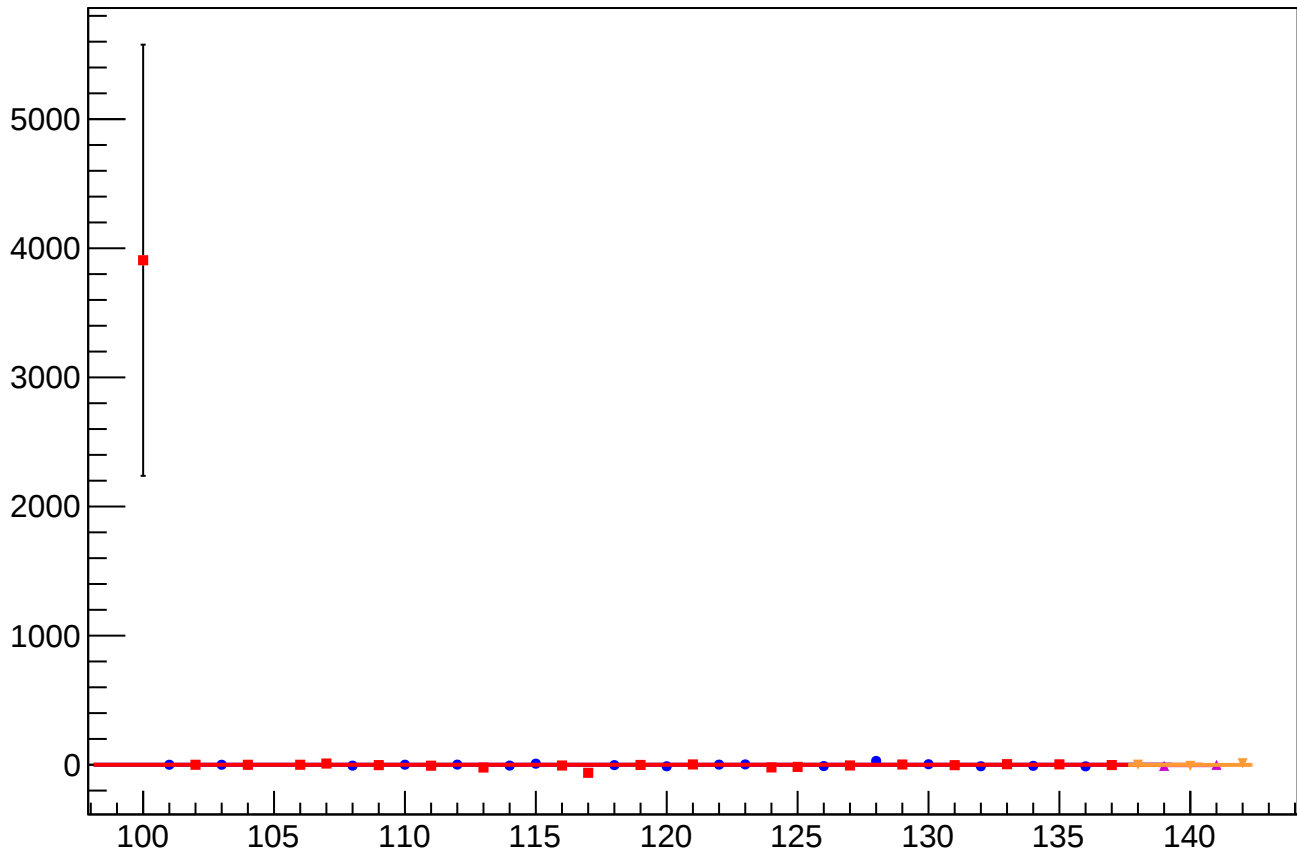
Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

Left In: 457.182+/-0.259 χ^2/NDF : 19262.4/1

563.045+/-0.151 χ^2/NDF : 3319002.2/19

552.050+/-0.152 χ^2/NDF : 3788465.0/21

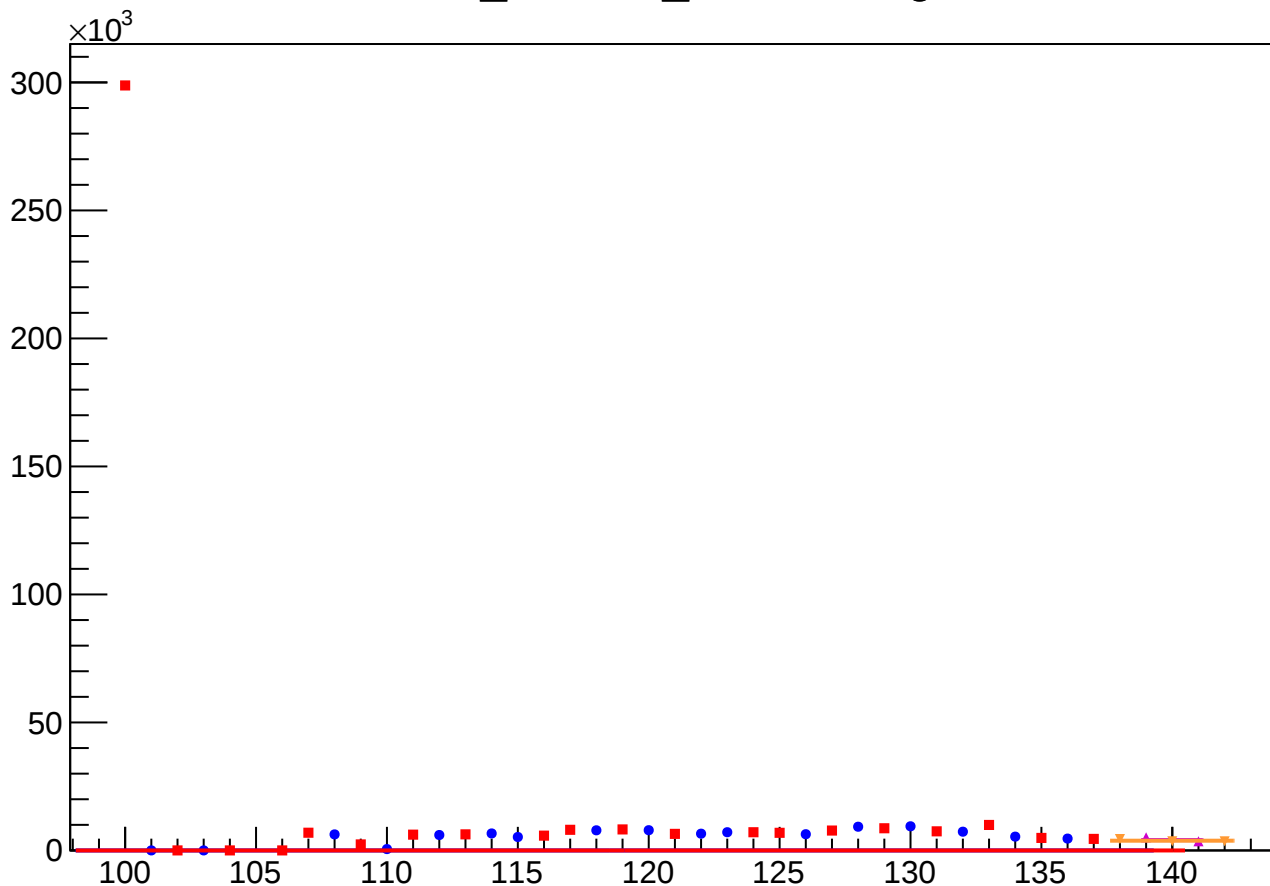
diff_cav4dX_mean vs Slug



-0.022+/-0.021 χ^2/NDF : 24.3/19

-0.027+/-0.020 χ^2/NDF : 21.8/21

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 3810.256 $\pm$ 1.948 χ^2 /NDF: 40797.8/2

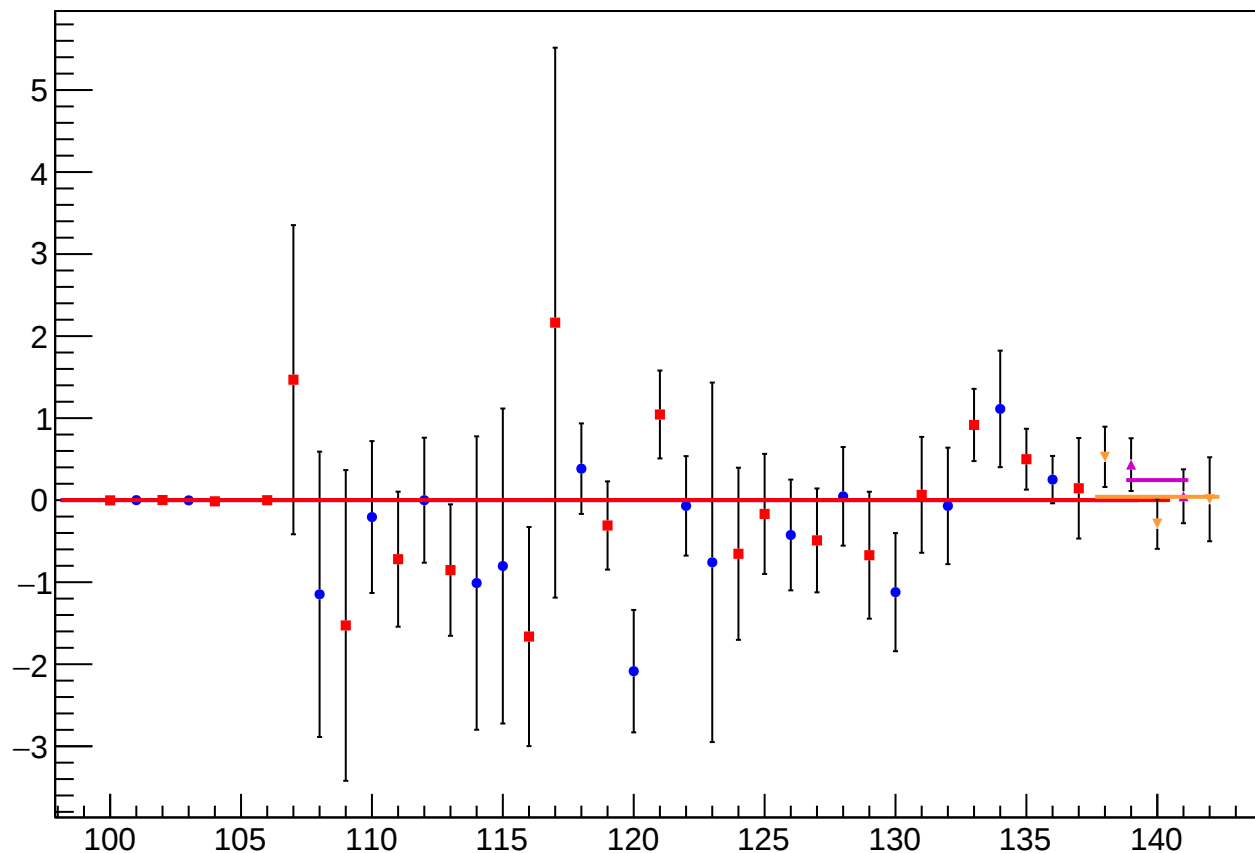
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 4049.334 $\pm$ 2.326 χ^2 /NDF: 91646.5/1

17.553 $\pm$ 0.015 χ^2 /NDF: 14191868.6/19

17.416 $\pm$ 0.014 χ^2 /NDF: 13997042.7/21

diff_cav4dY_mean vs Slug



Right In: 0.000+/-0.002 χ^2/NDF : 15.6/16

Left Out: 0.041+/-0.214 χ^2/NDF : 2.9/2

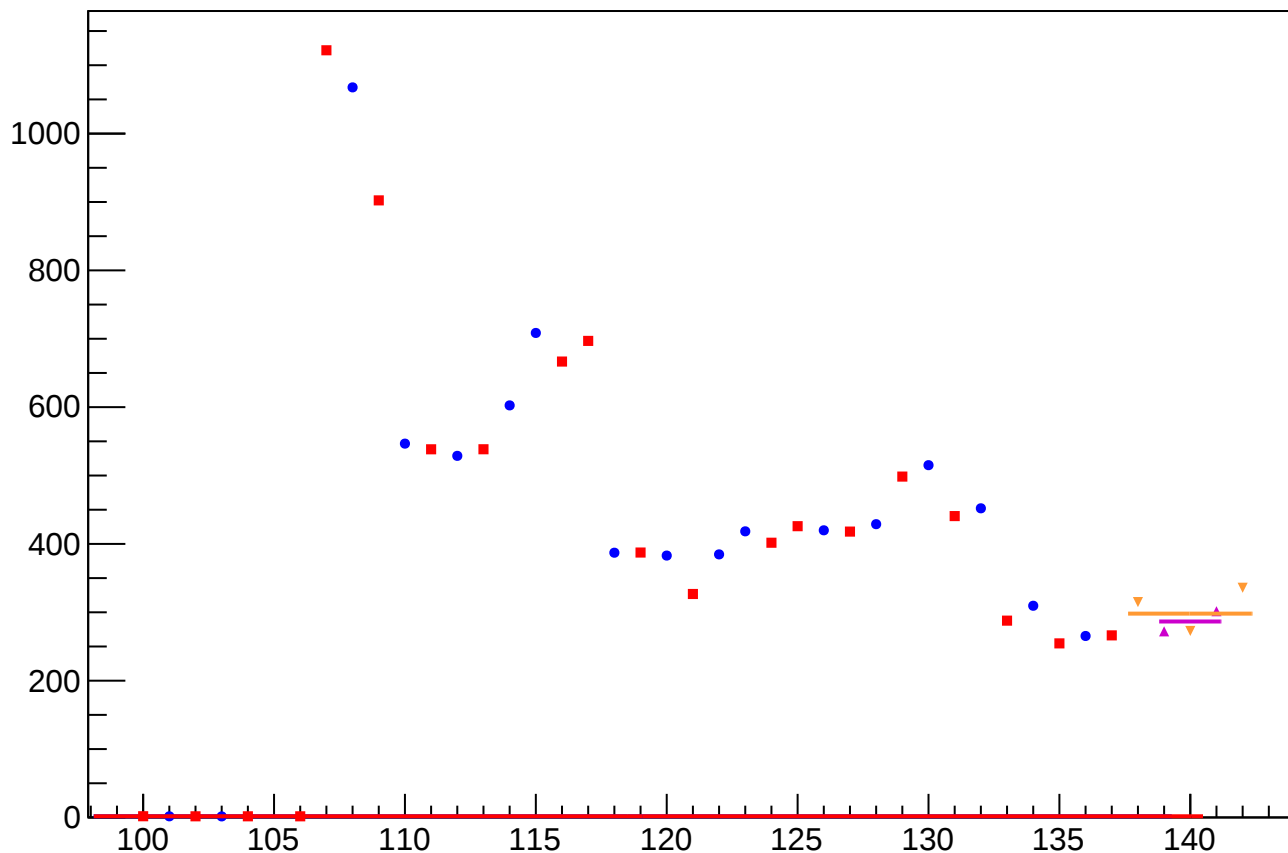
Right Out: 0.001+/-0.002 χ^2/NDF : 18.2/19

Left In: 0.245+/-0.230 χ^2/NDF : 0.7/1

0.000+/-0.002 χ^2/NDF : 18.6/19

0.001+/-0.002 χ^2/NDF : 20.1/21

diff_cav4dY_rms vs Slug



Right In: 1.698 ± 0.001 $\chi^2/\text{NDF}: 10911617.0/16$

Left Out: 298.062 ± 0.151 $\chi^2/\text{NDF}: 28777.8/2$

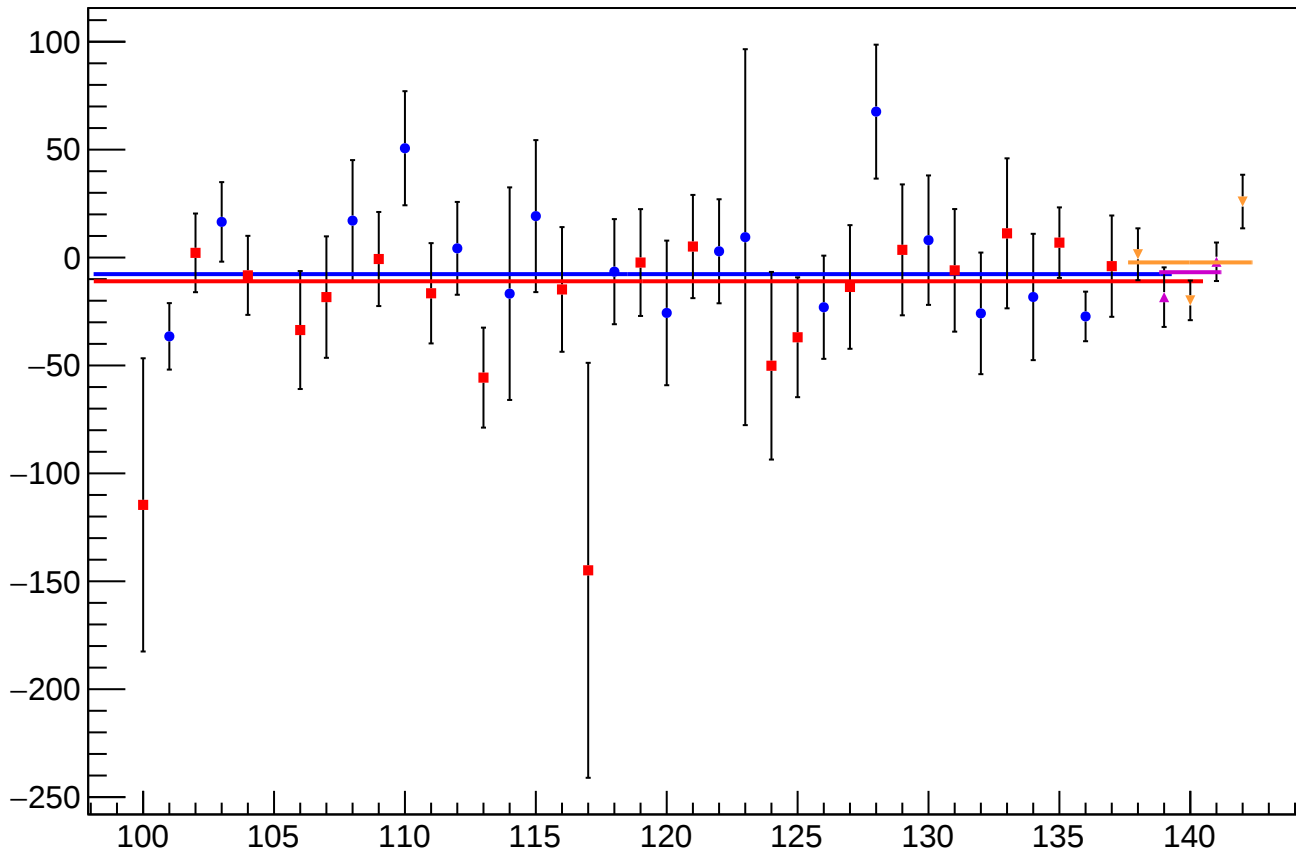
Right Out: 1.729 ± 0.001 $\chi^2/\text{NDF}: 10822679.1/19$

Left In: 286.548 ± 0.162 $\chi^2/\text{NDF}: 8202.5/1$

1.725 ± 0.001 $\chi^2/\text{NDF}: 14777174.3/19$

1.749 ± 0.001 $\chi^2/\text{NDF}: 13906835.4/21$

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -2.254 ± 6.288 χ^2/NDF : 8.9/2

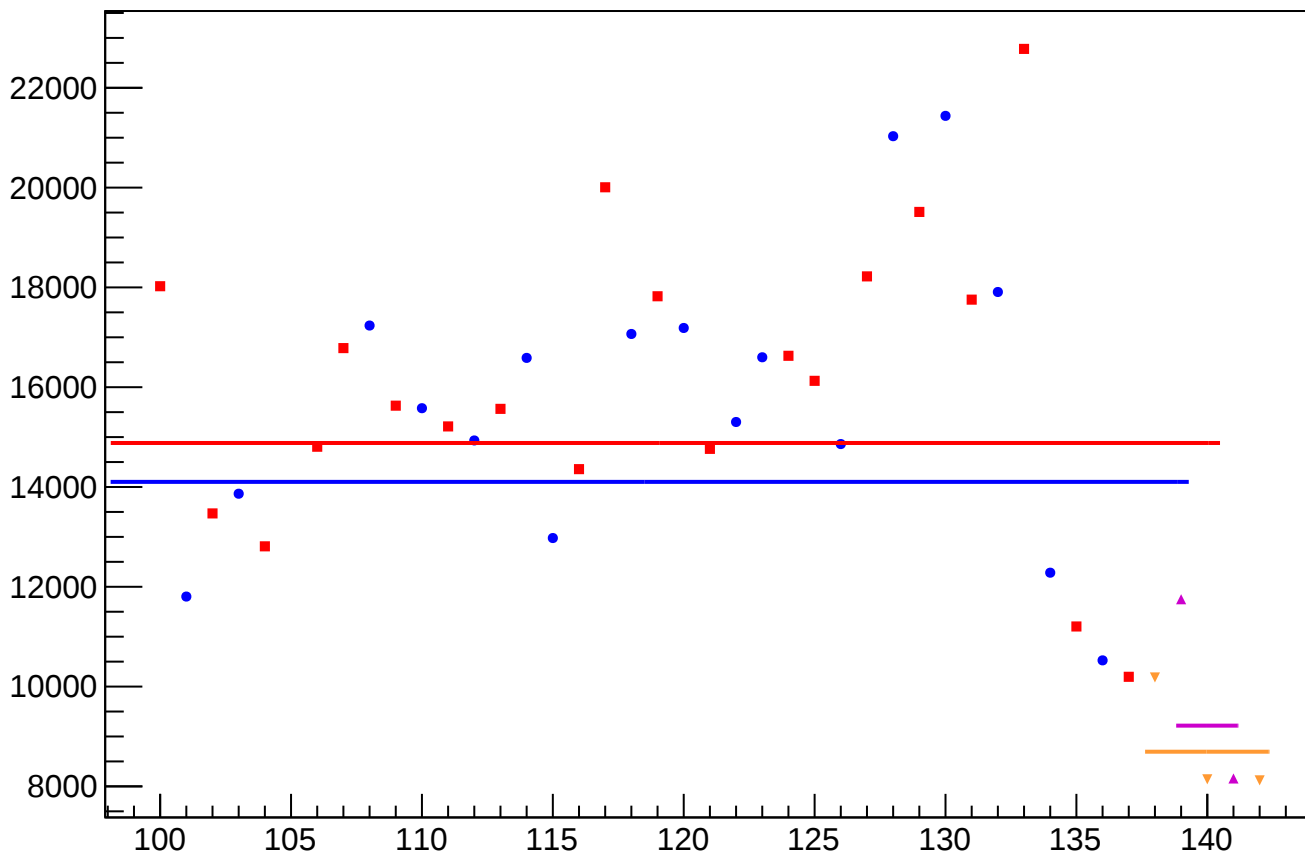
Right Out: -10.992 ± 5.672 χ^2/NDF : 13.8/19

Left In: -6.787 ± 7.491 χ^2/NDF : 1.0/1

-5.268 ± 4.193 χ^2/NDF : 31.7/19

-9.460 ± 4.522 χ^2/NDF : 15.0/21

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 8694.847+/-4.446 χ^2/NDF : 42205.1/2

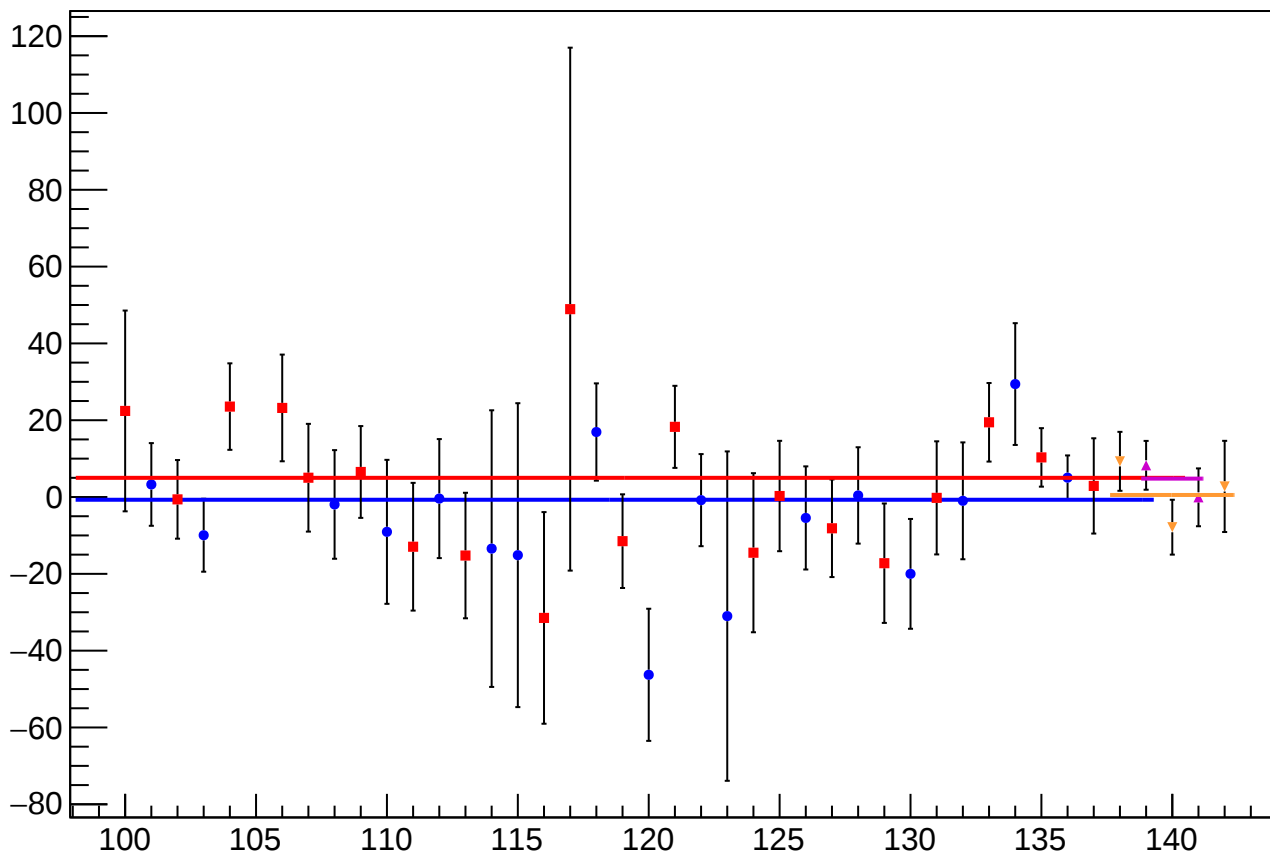
Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

Left In: 9217.250+/-5.297 χ^2/NDF : 95602.8/1

11697.475+/-2.965 χ^2/NDF : 1462583.7/19

12817.710+/-3.198 χ^2/NDF : 1298486.3/21

diff_bpm4aY_mean vs Slug



Right In: -0.708+/-3.084 χ^2 /NDF: 17.6/16

Left Out: 0.536+/-4.784 χ^2 /NDF:2.7/2

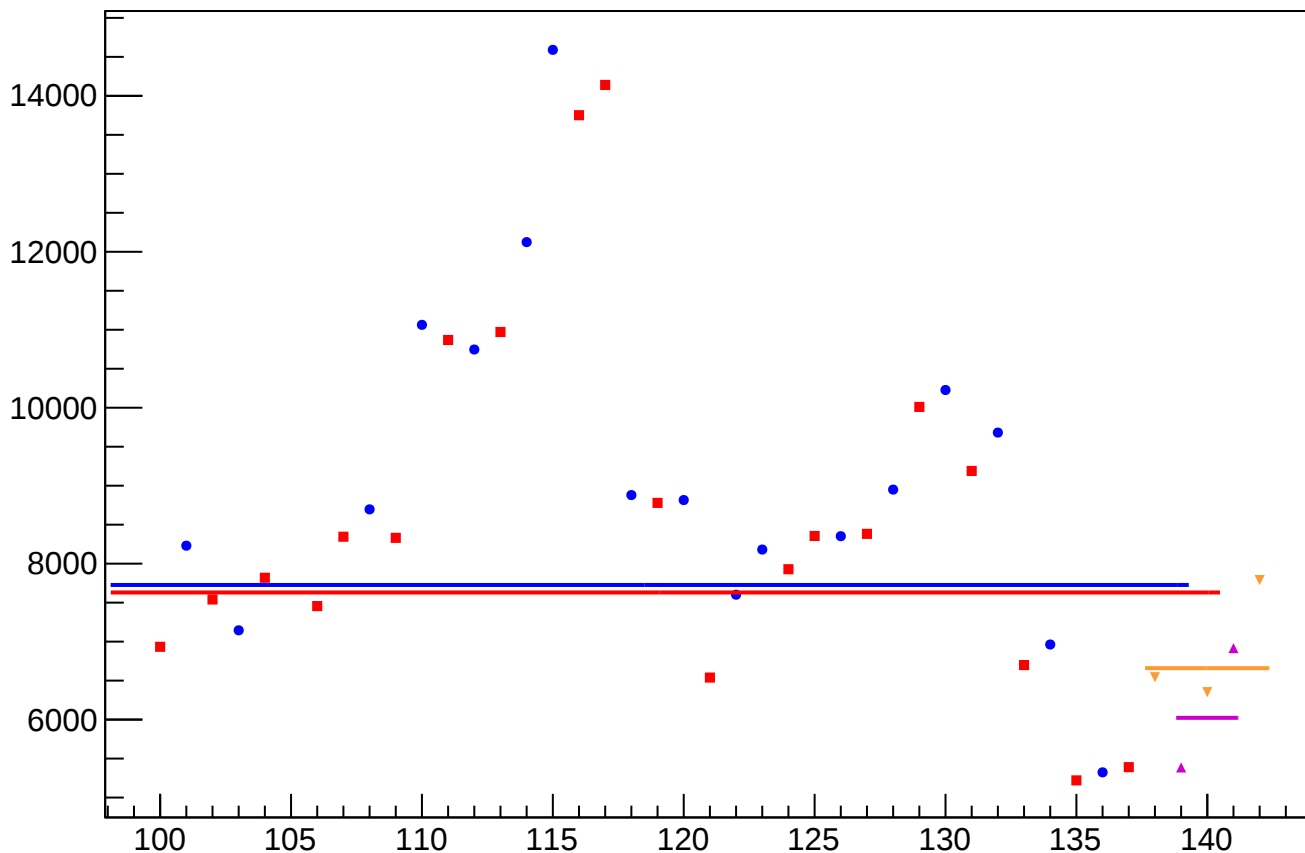
Right Out: 5.000+/-2.937 χ^2 /NDF: 20.2/19

Left In: 4.794+/-4.857 χ^2 /NDF:0.7/1

-0.343+/-2.592 χ^2 /NDF: 20.3/19

4.945+/-2.513 χ^2 /NDF: 20.9/21

diff_bpm4aY_rms vs Slug



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 6659.722+/-3.383 χ^2/NDF : 22291.8/2

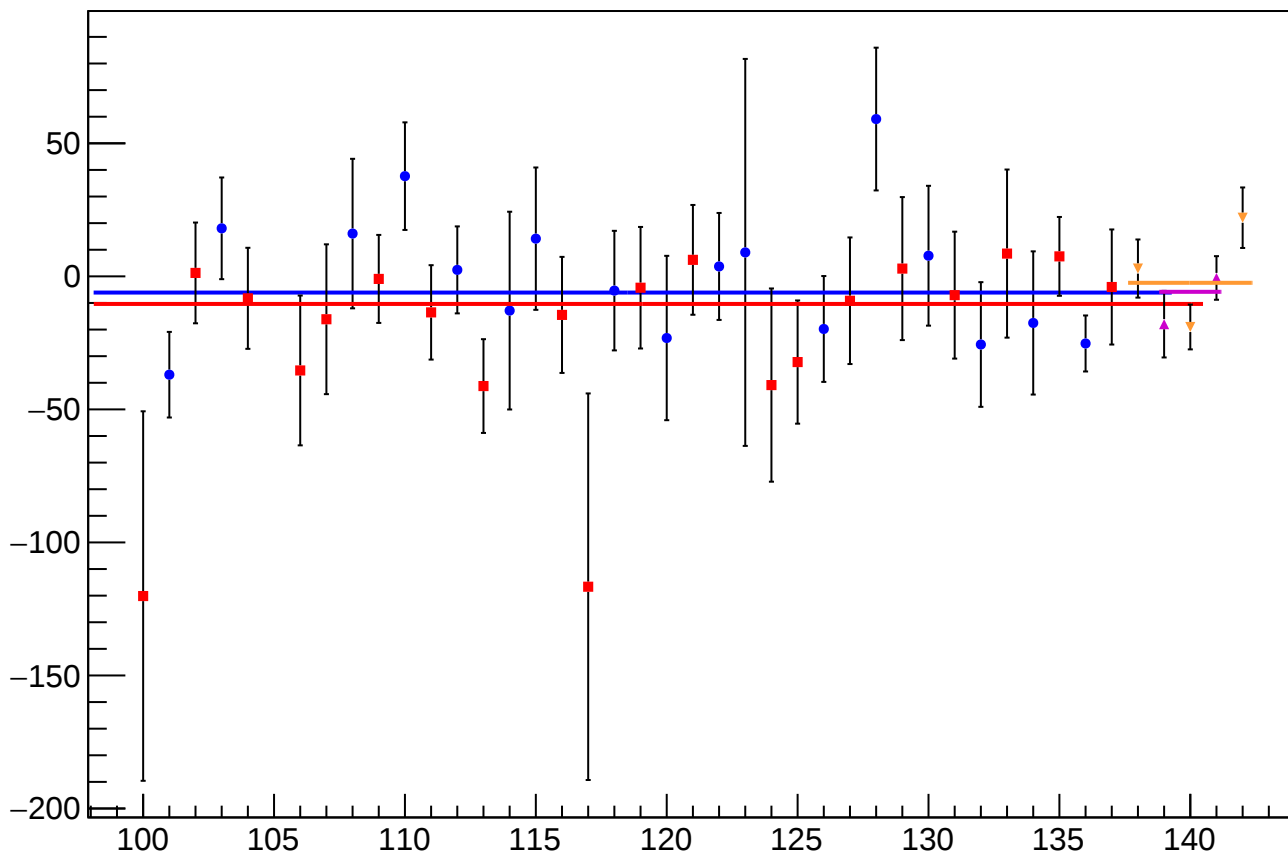
Right Out: 7630.342+/-2.077 χ^2/NDF : 693444.5/19

Left In: 6022.657+/-3.434 χ^2/NDF : 48214.1/1

7413.604+/-1.833 χ^2/NDF : 835088.0/19

7199.911+/-1.777 χ^2/NDF : 902125.3/21

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -2.427 ± 5.753 χ^2/NDF : 8.8/2

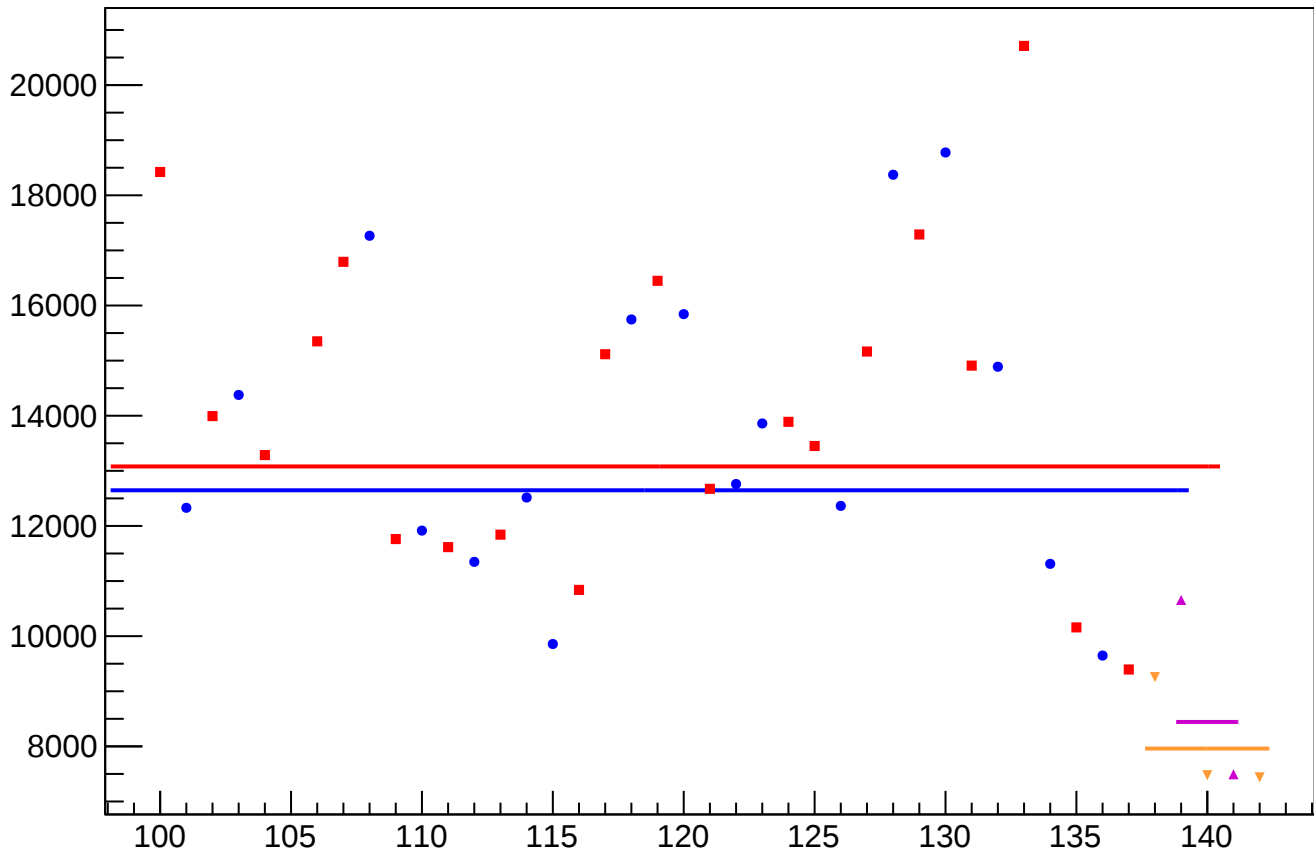
Right Out: -10.369 ± 4.992 χ^2/NDF : 13.8/19

Left In: -5.813 ± 6.855 χ^2/NDF : 1.3/1

-4.503 ± 3.788 χ^2/NDF : 31.9/19

-8.790 ± 4.035 χ^2/NDF : 15.4/21

diff_bpm4eX_rms vs Slug



Right In: 12647.257 ± 3.559 χ^2/NDF : 554320.4/16

Left Out: 7960.347 ± 4.068 χ^2/NDF : 38965.7/2

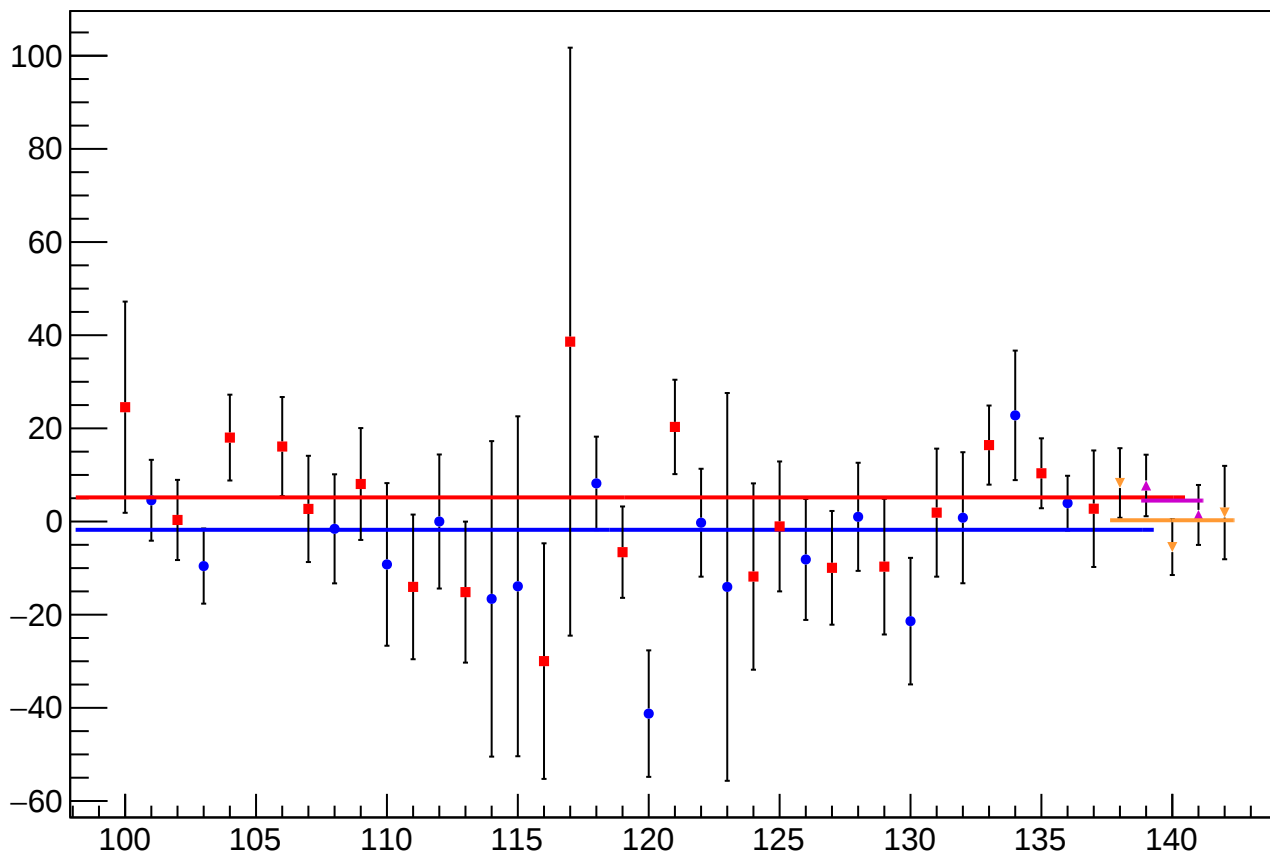
Right Out: 13079.592 ± 3.530 χ^2/NDF : 497851.1/19

Left In: 8443.073 ± 4.847 χ^2/NDF : 89464.8/1

10614.944 ± 2.679 χ^2/NDF : 1345140.7/19

11472.915 ± 2.853 χ^2/NDF : 1185251.8/21

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 0.273 ± 4.240 χ^2/NDF : 2.1/2

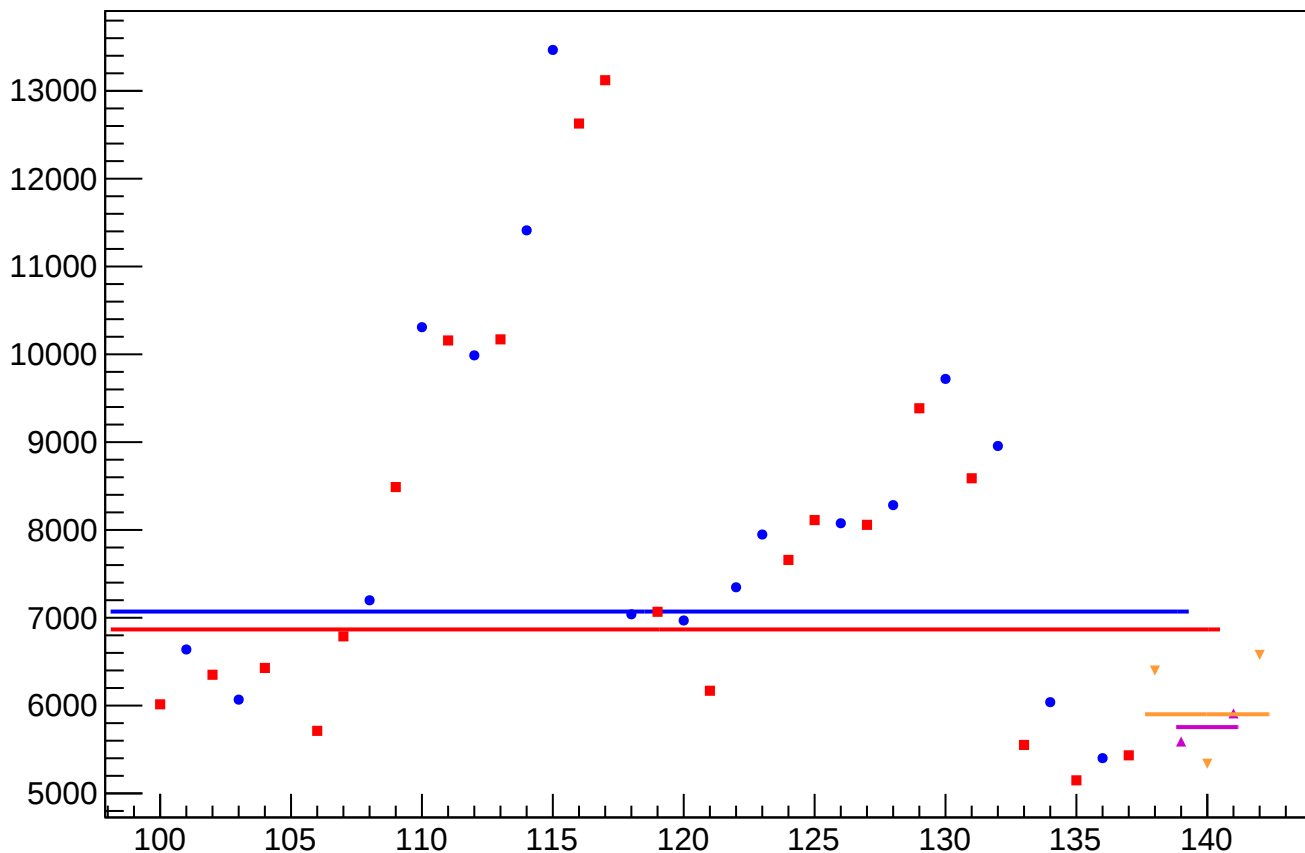
Right Out: 5.181 ± 2.640 χ^2/NDF : 19.2/19

Left In: 4.496 ± 4.610 χ^2/NDF : 0.5/1

-1.153 ± 2.340 χ^2/NDF : 20.2/19

5.011 ± 2.291 χ^2/NDF : 19.7/21

diff_bpm4eY_rms vs Slug



Right In: 7070.672 ± 1.984 χ^2/NDF : 601692.5/16

Left Out: 5901.102 ± 2.998 χ^2/NDF : 35577.2/2

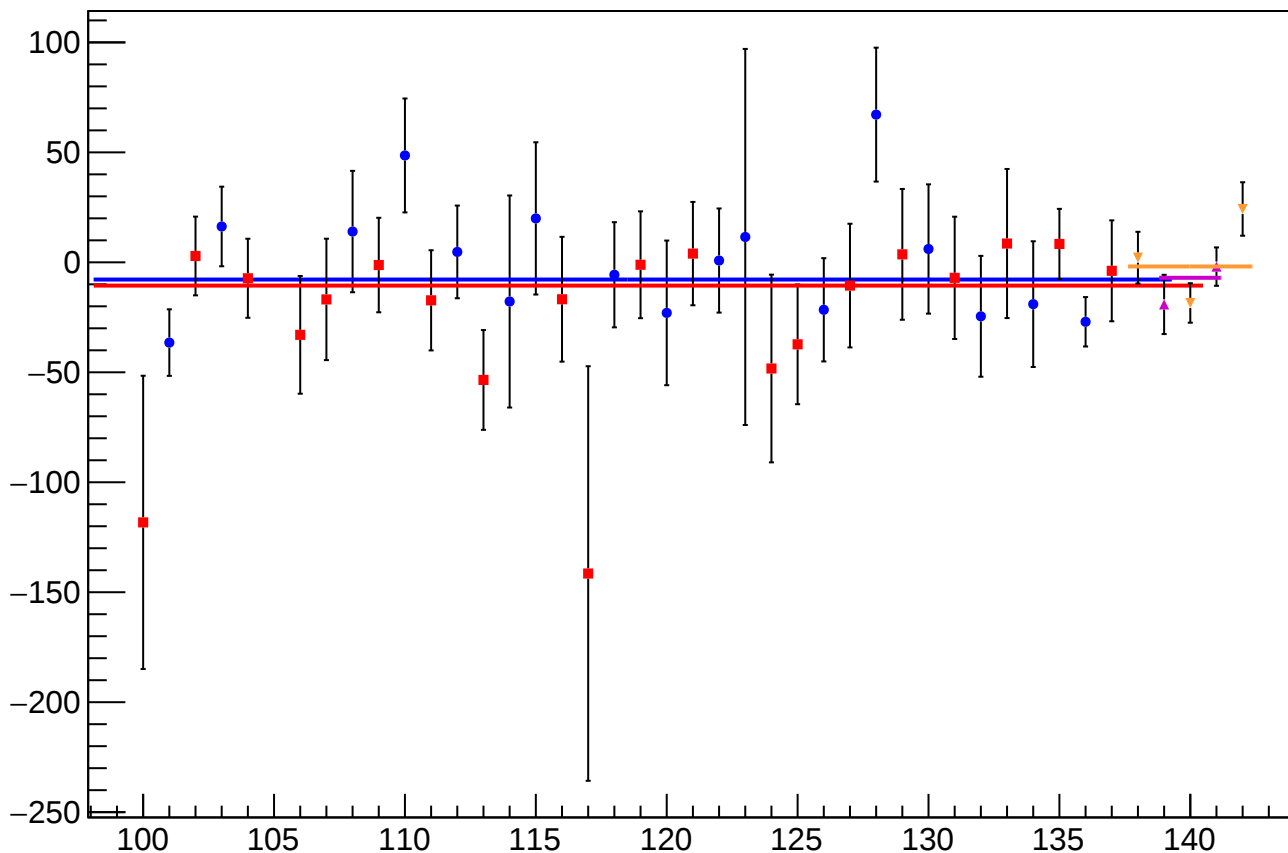
Right Out: 6867.094 ± 1.866 χ^2/NDF : 701892.5/19

Left In: 5755.053 ± 3.260 χ^2/NDF : 2414.3/1

6714.461 ± 1.655 χ^2/NDF : 743095.0/19

6592.502 ± 1.620 χ^2/NDF : 791960.9/21

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -1.881 ± 6.151 $\chi^2/\text{NDF}: 8.2/2$

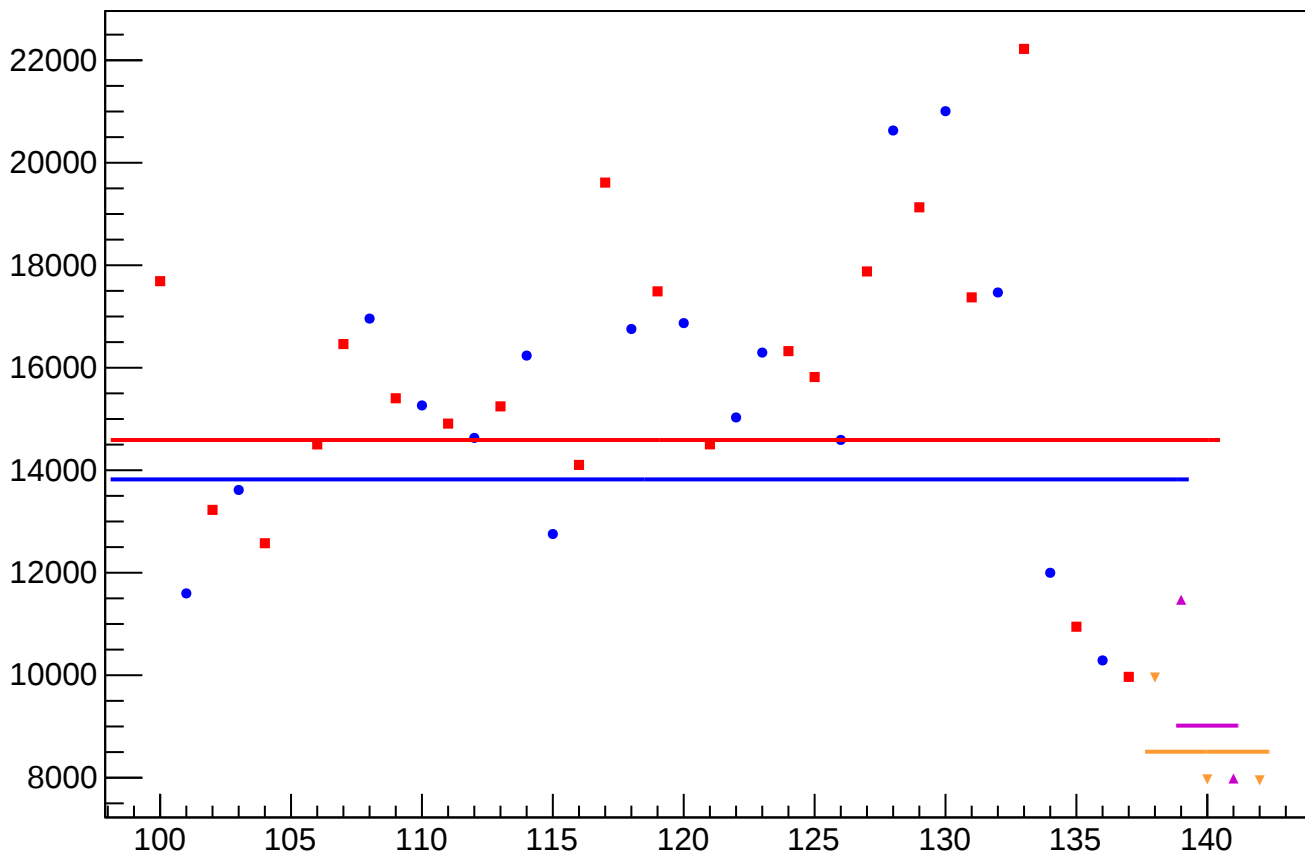
Right Out: -10.574 ± 5.561 $\chi^2/\text{NDF}: 14.1/19$

Left In: -7.032 ± 7.326 $\chi^2/\text{NDF}: 1.1/1$

-5.176 ± 4.107 $\chi^2/\text{NDF}: 30.9/19$

-9.279 ± 4.430 $\chi^2/\text{NDF}: 15.4/21$

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 8507.259+/-4.349 χ^2/NDF : 41813.7/2

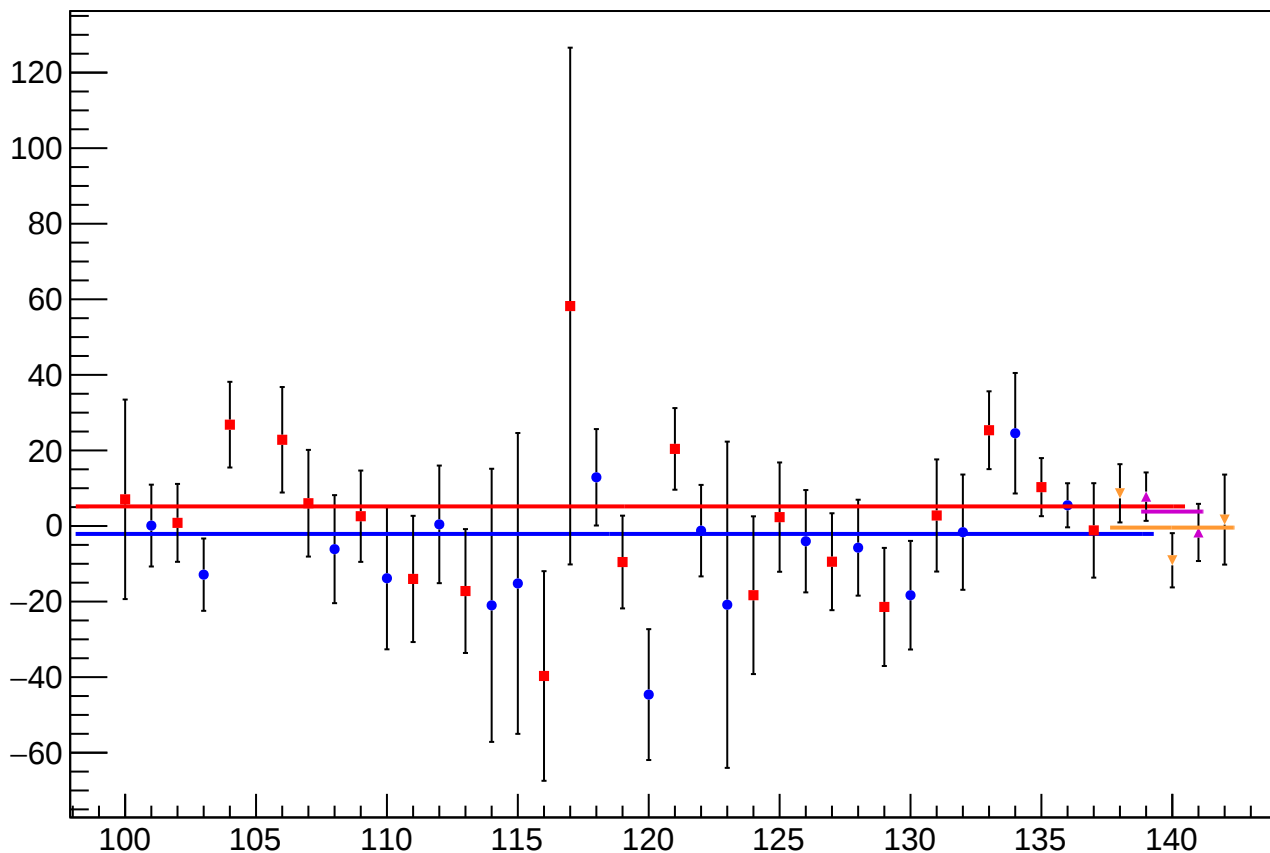
11452.706+/-2.904 χ^2/NDF : 1471870.9/19

Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

12552.580+/-3.132 χ^2/NDF : 1306857.2/21

Left In: 9016.746+/-5.181 χ^2/NDF : 94446.6/1

diff_bpm4acY_mean vs Slug



Right In: -2.098+/-3.106 χ^2/NDF : 15.6/16

Left Out: -0.423+/-4.807 χ^2/NDF : 2.9/2

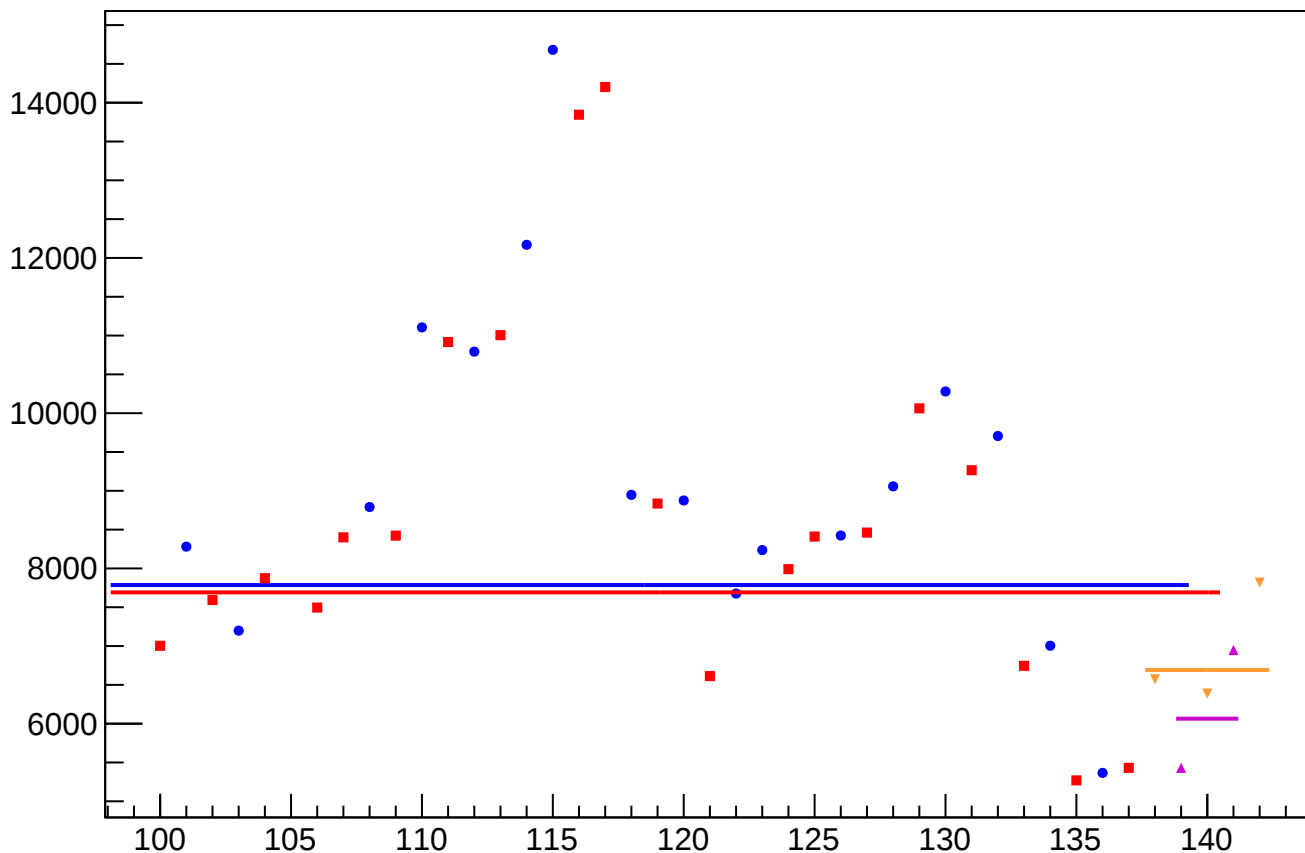
Right Out: 5.184+/-2.959 χ^2/NDF : 25.4/19

Left In: 3.816+/-4.889 χ^2/NDF : 0.9/1

-1.604+/-2.609 χ^2/NDF : 18.6/19

4.817+/-2.532 χ^2/NDF : 26.3/21

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 6692.083+/-3.399 χ^2/NDF : 21951.7/2

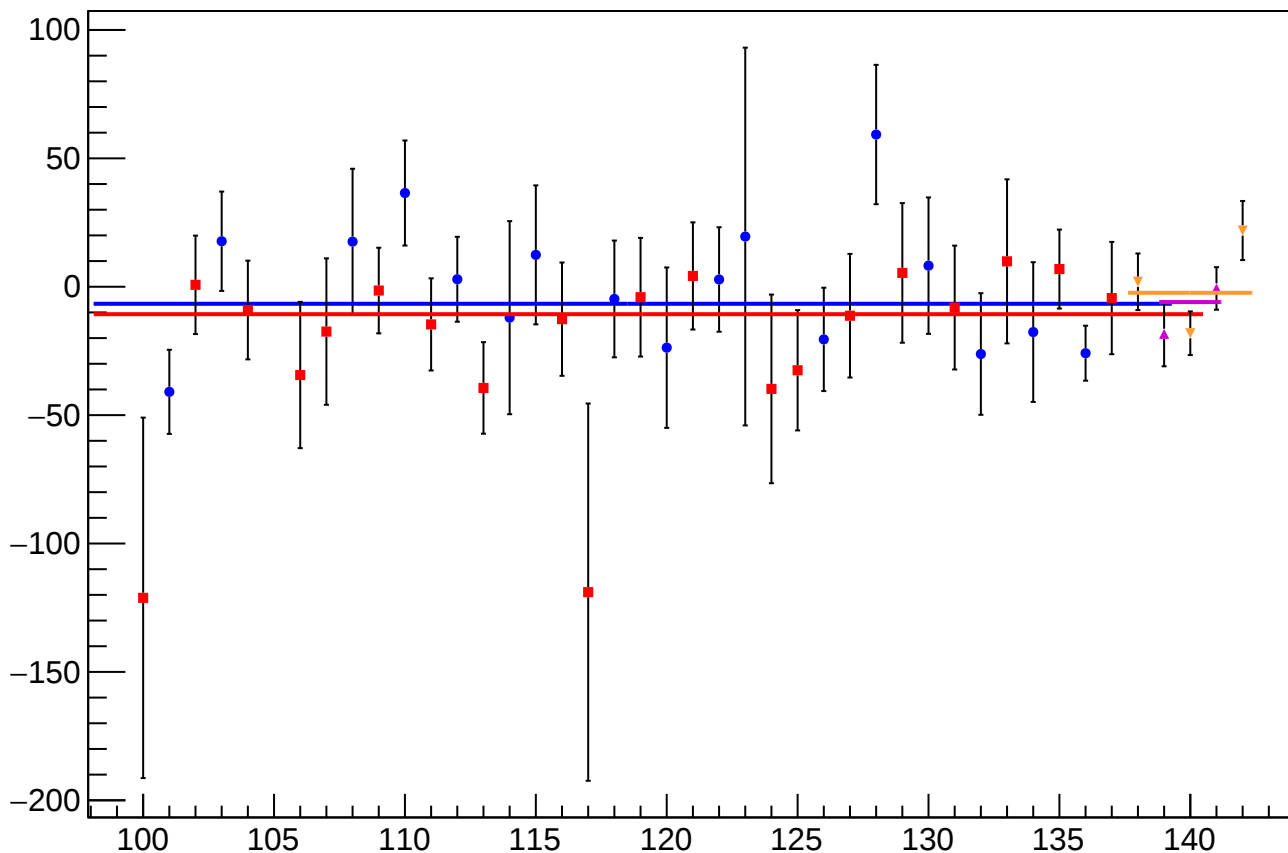
Right Out: 7691.398+/-2.093 χ^2/NDF : 686898.9/19

Left In: 6064.440+/-3.457 χ^2/NDF : 46884.6/1

7463.691+/-1.845 χ^2/NDF : 833105.3/19

7255.086+/-1.790 χ^2/NDF : 895885.2/21

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -2.348 ± 5.810 χ^2/NDF : 8.0/2

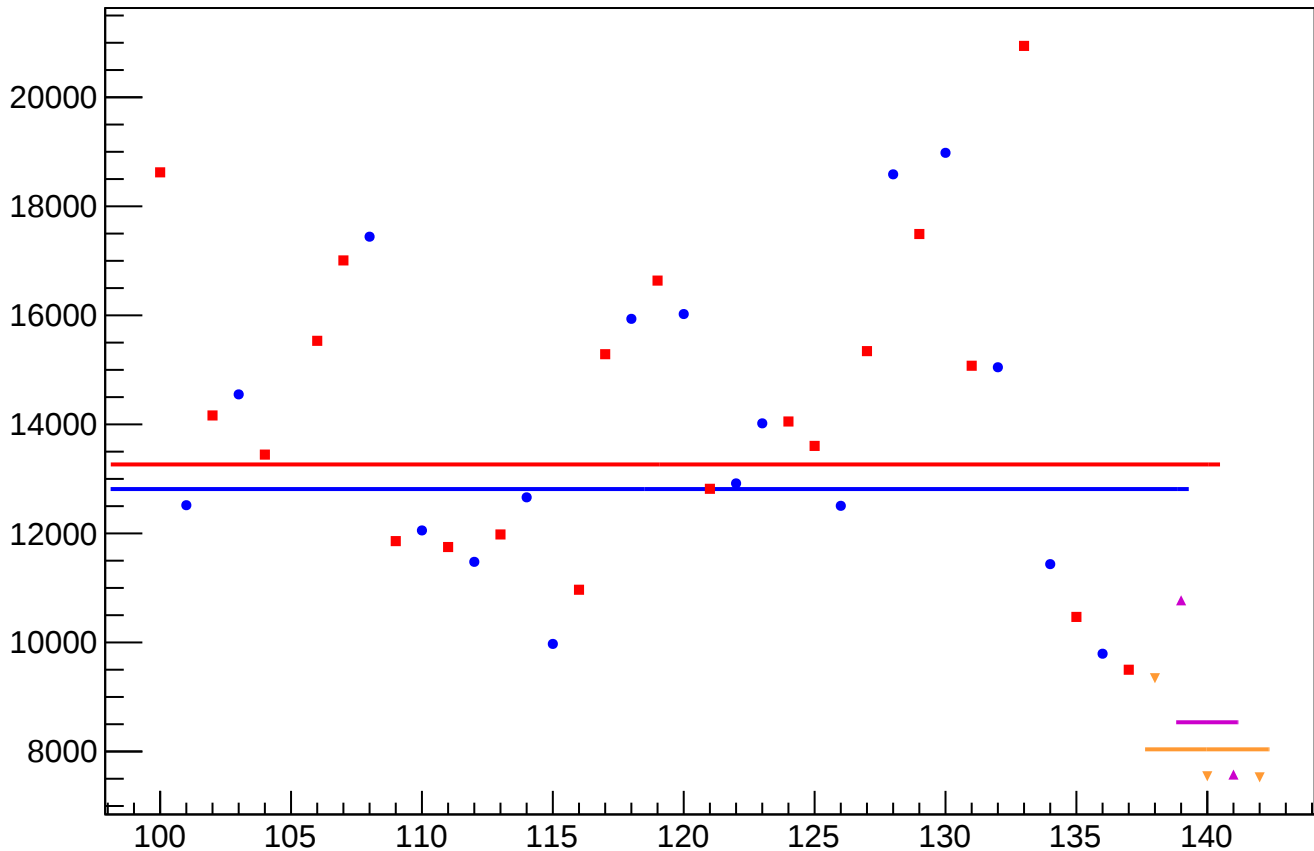
Right Out: -10.688 ± 5.063 χ^2/NDF : 13.0/19

Left In: -5.968 ± 6.930 χ^2/NDF : 1.4/1

-4.769 ± 3.833 χ^2/NDF : 31.7/19

-9.046 ± 4.088 χ^2/NDF : 14.6/21

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8039.339+/-4.108 χ^2/NDF :38758.5/2

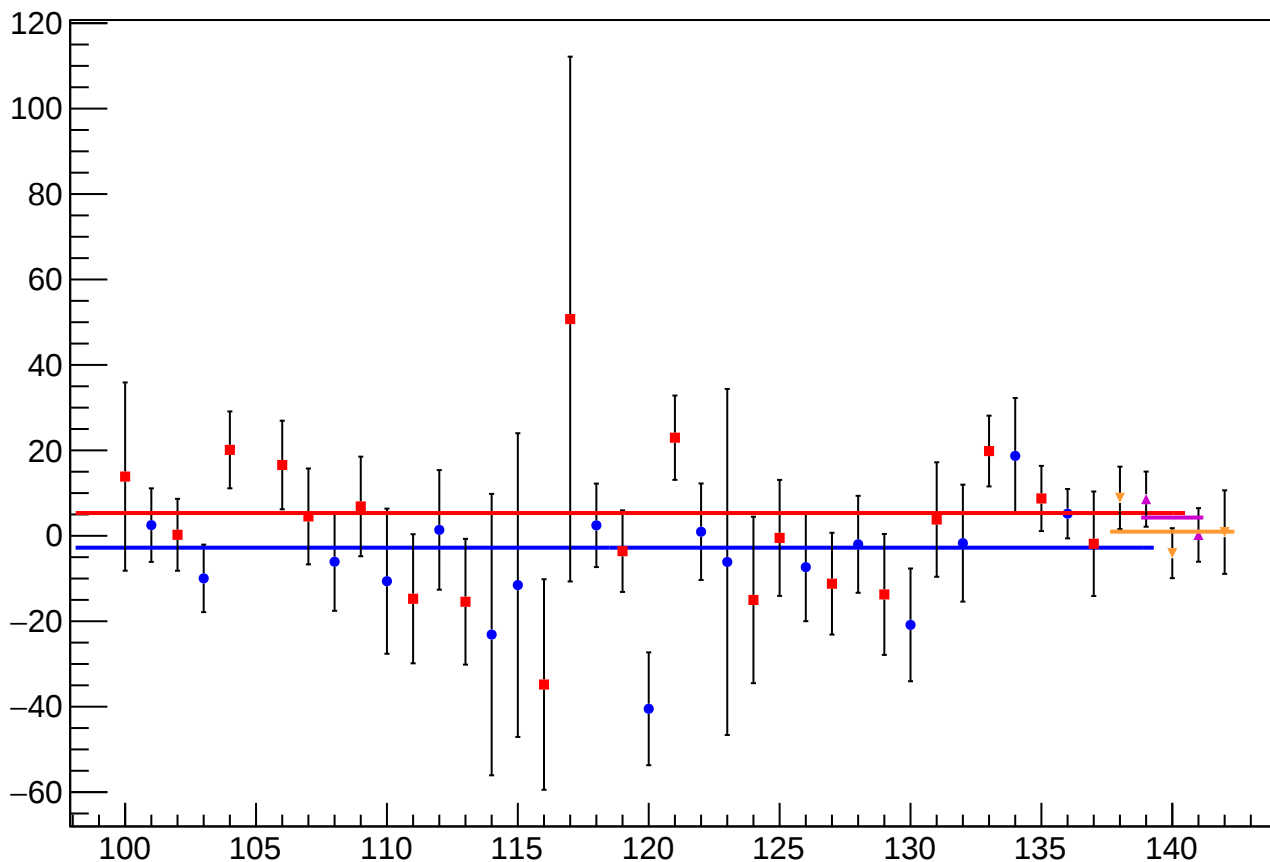
10735.340+/-2.711 χ^2/NDF : 1349503.8/19

Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

11619.465+/-2.891 χ^2/NDF : 1182498.6/21

Left In: 8535.916+/-4.900 χ^2/NDF :89375.8/1

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 0.976 ± 4.137 $\chi^2/\text{NDF}: 1.9/2$

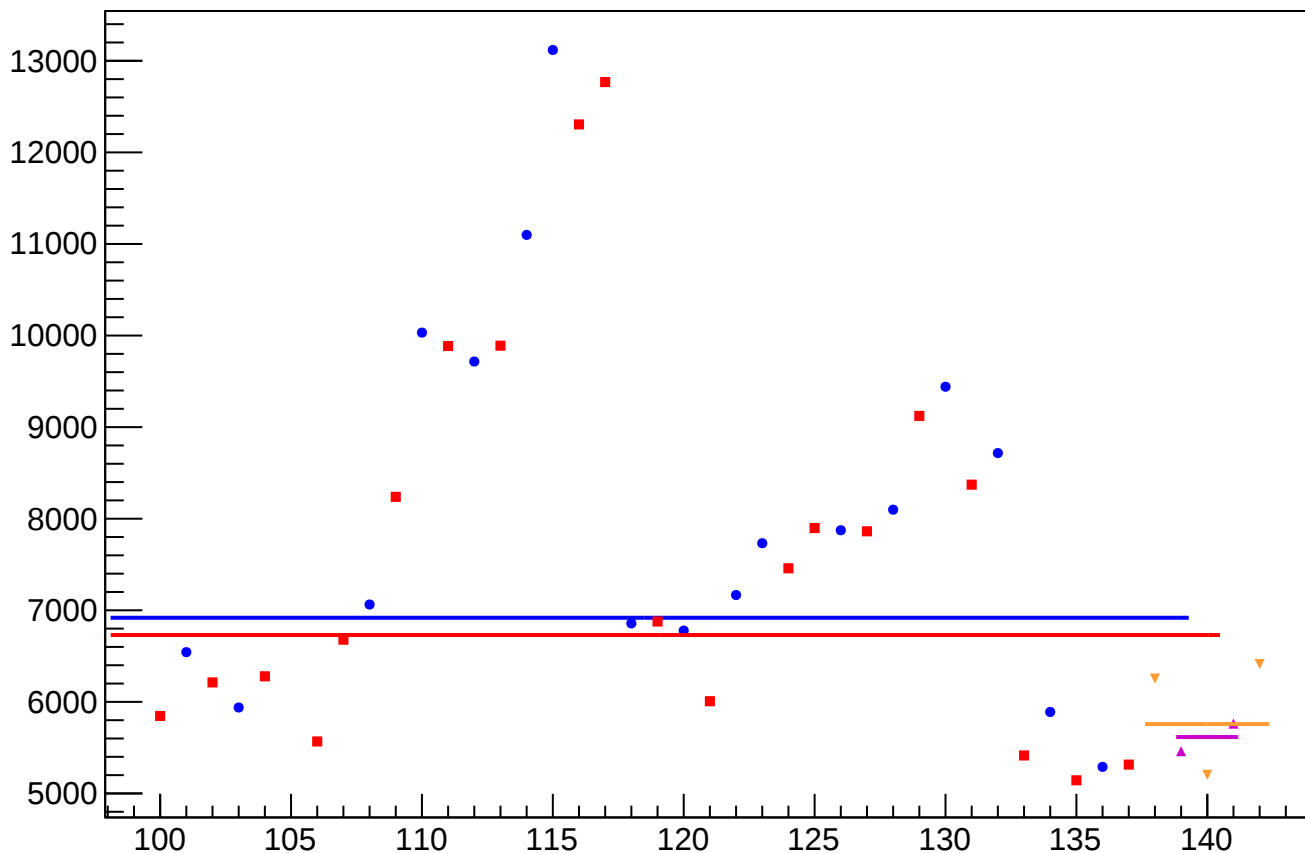
Right Out: 5.332 ± 2.587 $\chi^2/\text{NDF}: 24.1/19$

Left In: 4.275 ± 4.498 $\chi^2/\text{NDF}: 0.9/1$

-1.630 ± 2.289 $\chi^2/\text{NDF}: 19.5/19$

5.070 ± 2.243 $\chi^2/\text{NDF}: 25.0/21$

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 5757.329+/-2.925 χ^2/NDF : 36201.4/2

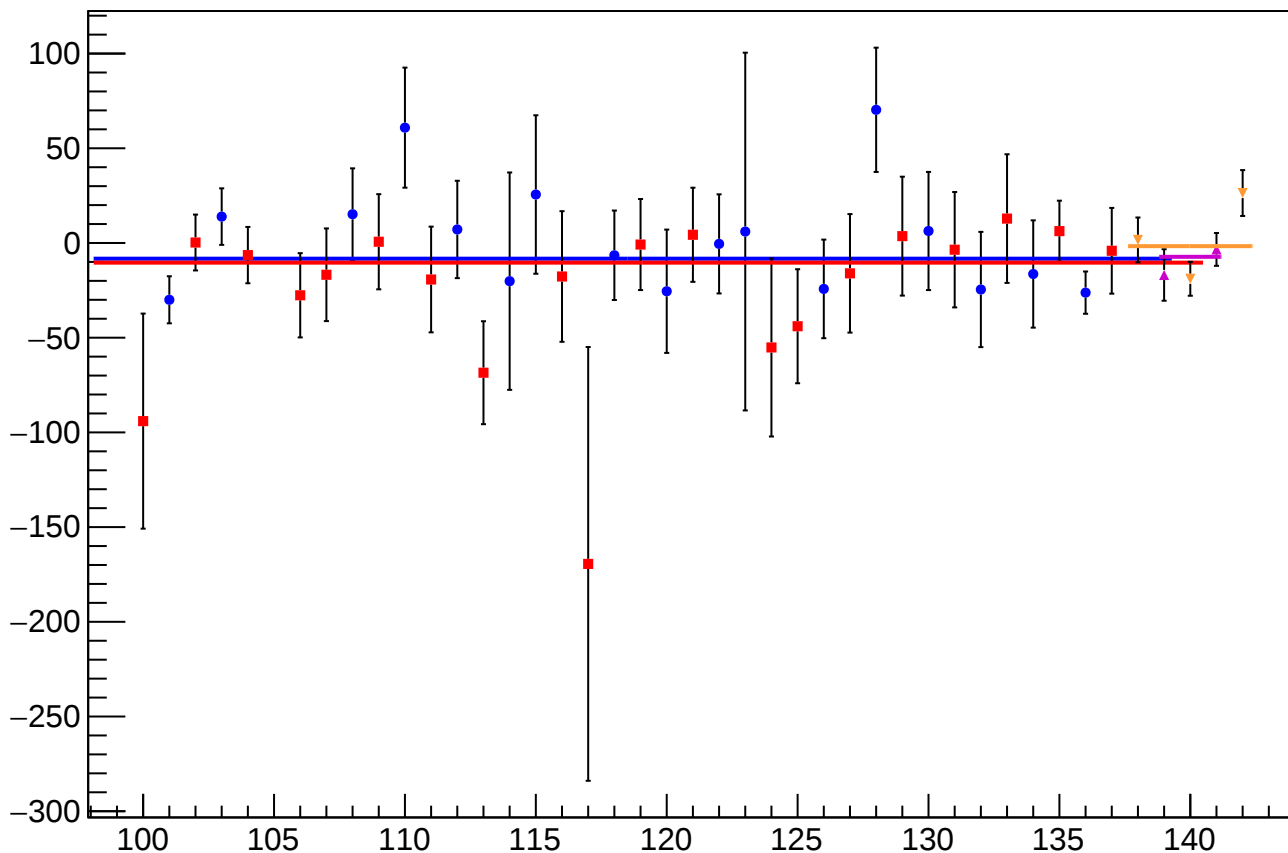
Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

Left In: 5616.136+/-3.181 χ^2/NDF : 2233.0/1

6563.220+/-1.618 χ^2/NDF : 733529.4/19

6453.219+/-1.586 χ^2/NDF : 767590.7/21

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -1.675 ± 6.150 χ^2/NDF : 9.1/2

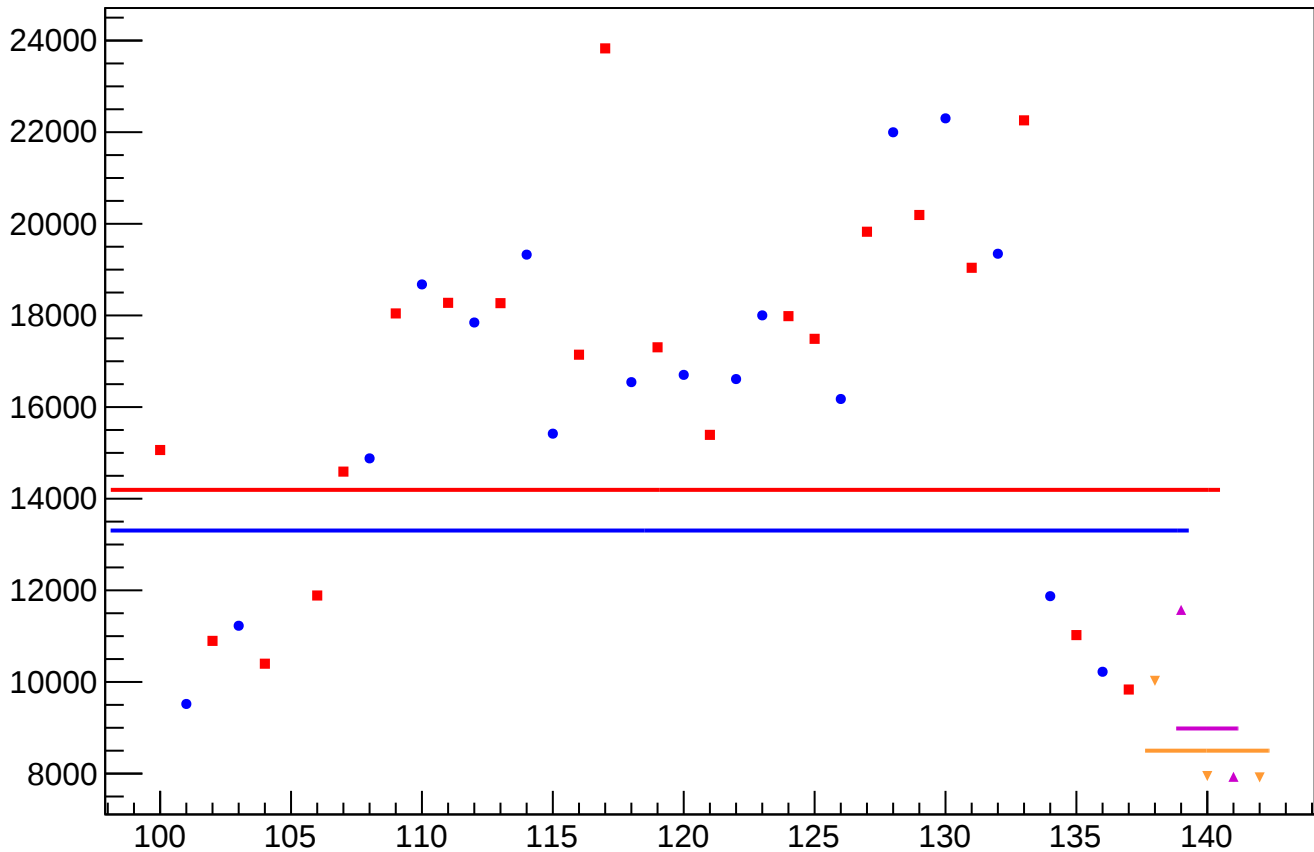
Right Out: -10.376 ± 5.507 χ^2/NDF : 14.8/19

Left In: -7.299 ± 7.310 χ^2/NDF : 0.7/1

-5.402 ± 4.062 χ^2/NDF : 31.5/19

-9.262 ± 4.398 χ^2/NDF : 15.6/21

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8500.416+/-4.348 χ^2/NDF : 45496.4/2

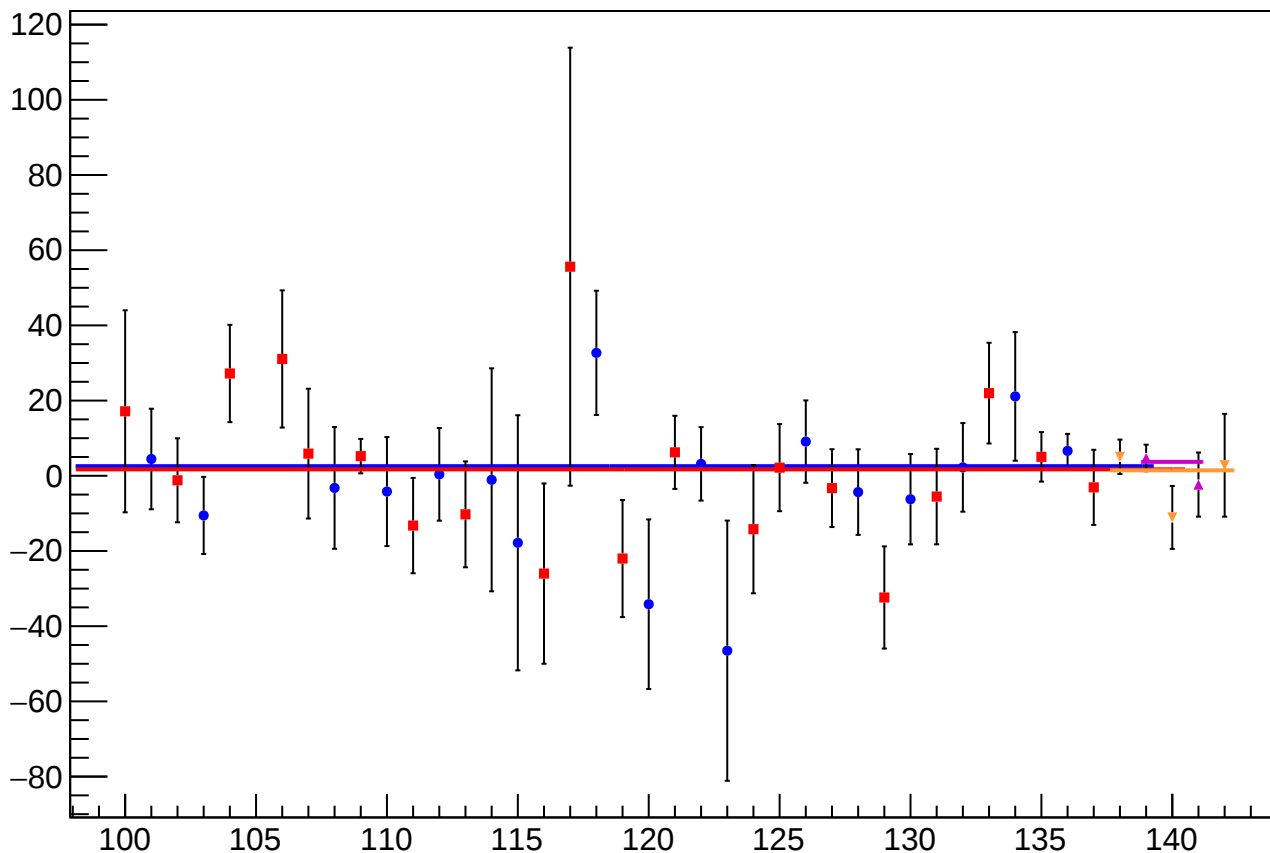
11209.053+/-2.872 χ^2/NDF : 1777877.5/19

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

12307.377+/-3.110 χ^2/NDF : 1694699.5/21

Left In: 8984.588+/-5.169 χ^2/NDF : 102140.3/1

diff_bpm1Y_mean vs Slug



Right In: 2.551 $\pm$ 2.757 χ^2 /NDF: 13.6/16

Left Out: 1.452 $\pm$ 3.855 χ^2 /NDF: 2.9/2

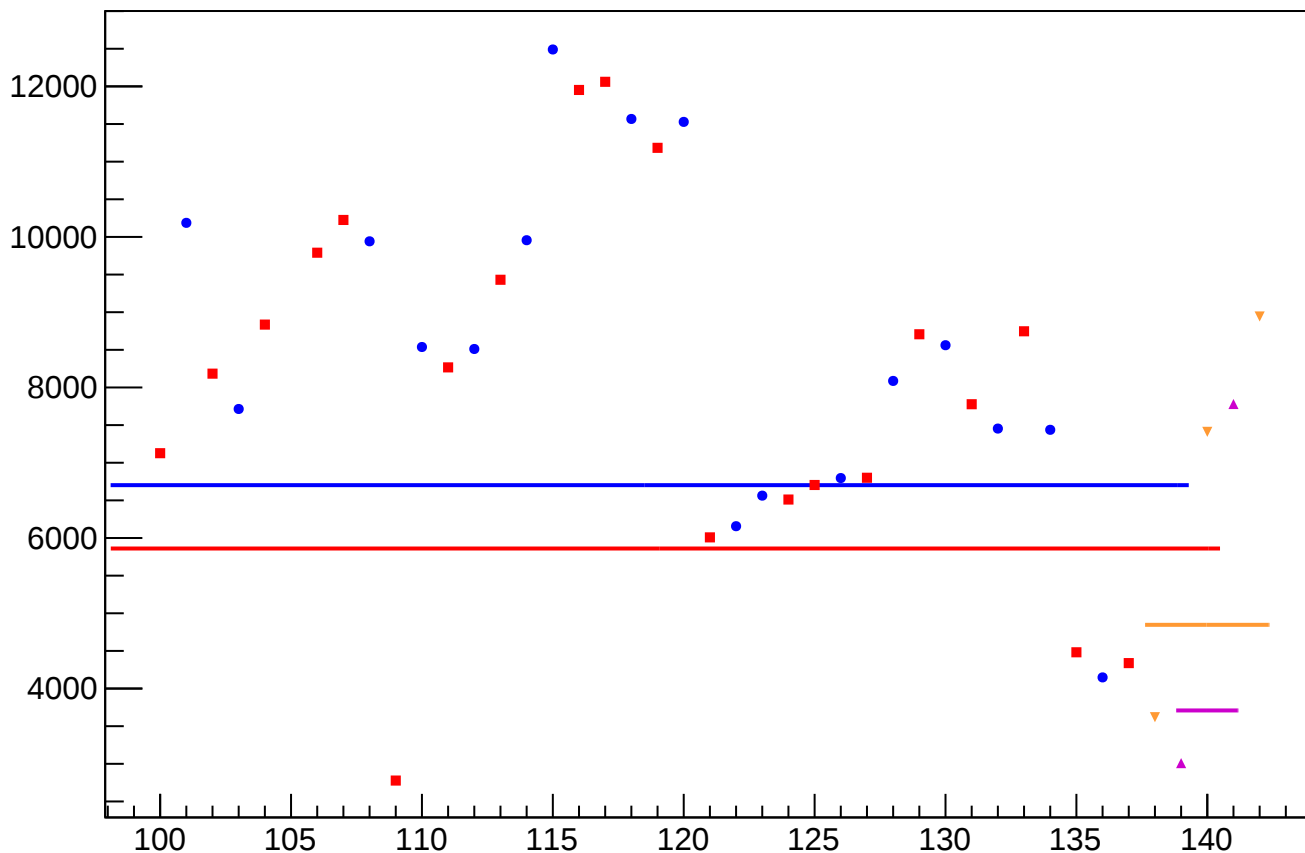
Right Out: 1.708 $\pm$ 2.440 χ^2 /NDF: 24.9/19

Left In: 3.704 $\pm$ 3.265 χ^2 /NDF: 0.6/1

2.179 $\pm$ 2.242 χ^2 /NDF: 16.6/19

2.423 $\pm$ 1.955 χ^2 /NDF: 25.7/21

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 4846.636+/-2.726 χ^2/NDF : 510833.1/2

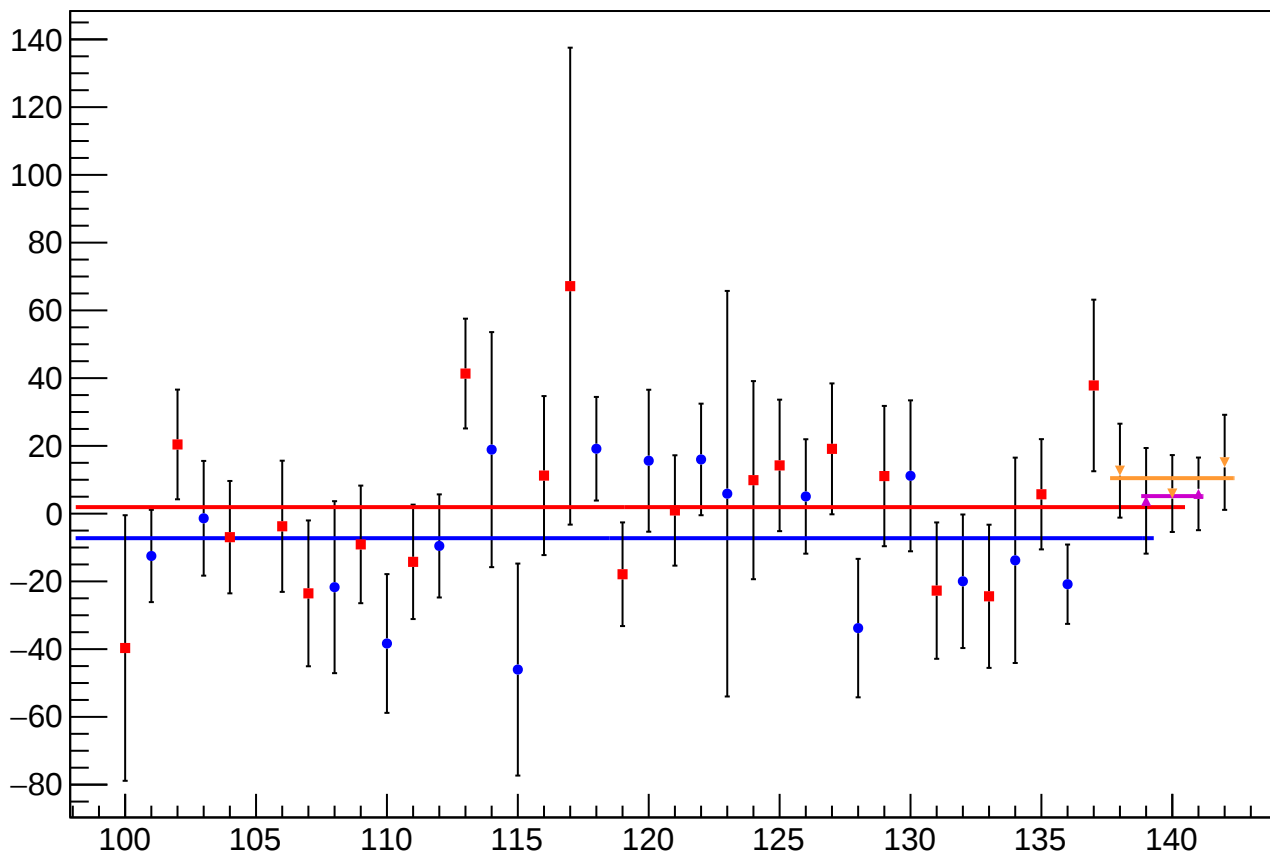
Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

Left In: 3709.042+/-2.309 χ^2/NDF : 534594.8/1

6074.303+/-1.586 χ^2/NDF : 2207428.8/19

5089.390+/-1.382 χ^2/NDF : 3393001.5/21

diff_bpm11X_mean vs Slug



Right In: -7.245+/-4.547 χ^2/NDF : 15.9/16

Left Out: 10.475+/-7.445 χ^2/NDF : 0.3/2

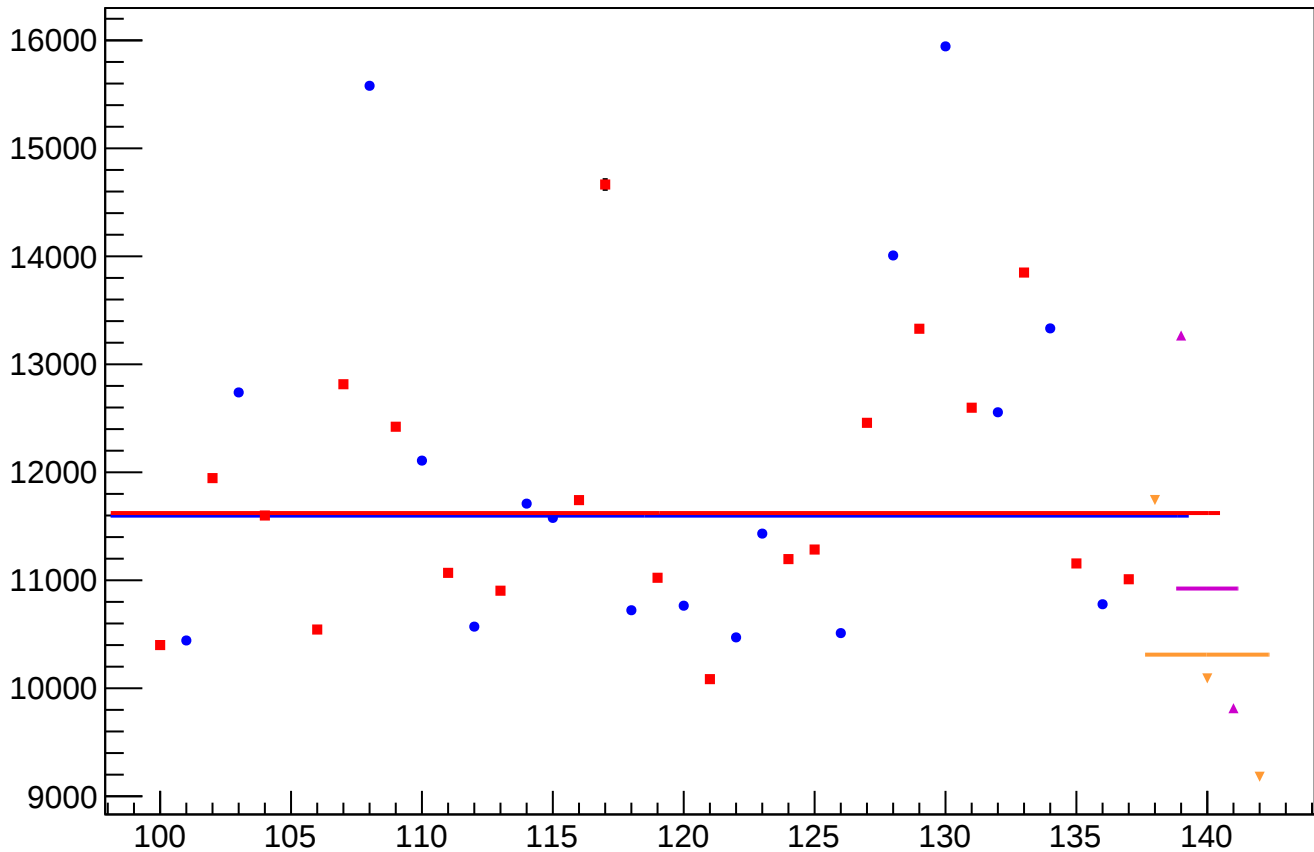
Right Out: 1.922+/-4.365 χ^2/NDF : 20.7/19

Left In: 5.177+/-8.835 χ^2/NDF : 0.0/1

-2.431+/-3.880 χ^2/NDF : 20.4/19

2.561+/-3.913 χ^2/NDF : 20.8/21

diff_bpm11X_rms vs Slug



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 10311.435+/-5.264 χ^2/NDF : 35064.1/2

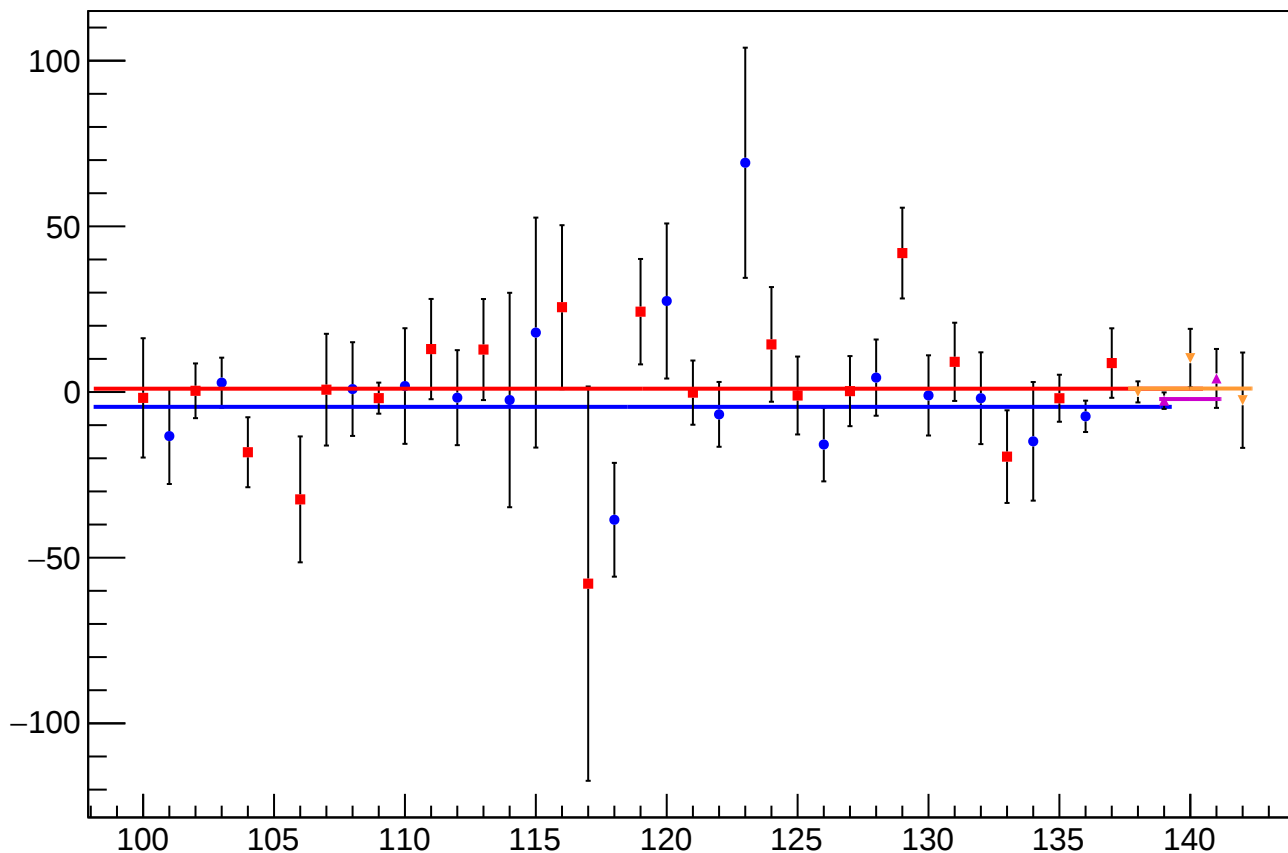
Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

Left In: 10923.499+/-6.247 χ^2/NDF : 66532.9/1

11249.036+/-2.744 χ^2/NDF : 314038.4/19

11485.513+/-2.767 χ^2/NDF : 174798.8/21

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 $\chi^2/\text{NDF}: 14.8/16$

Left Out: 1.054 ± 2.928 $\chi^2/\text{NDF}: 1.2/2$

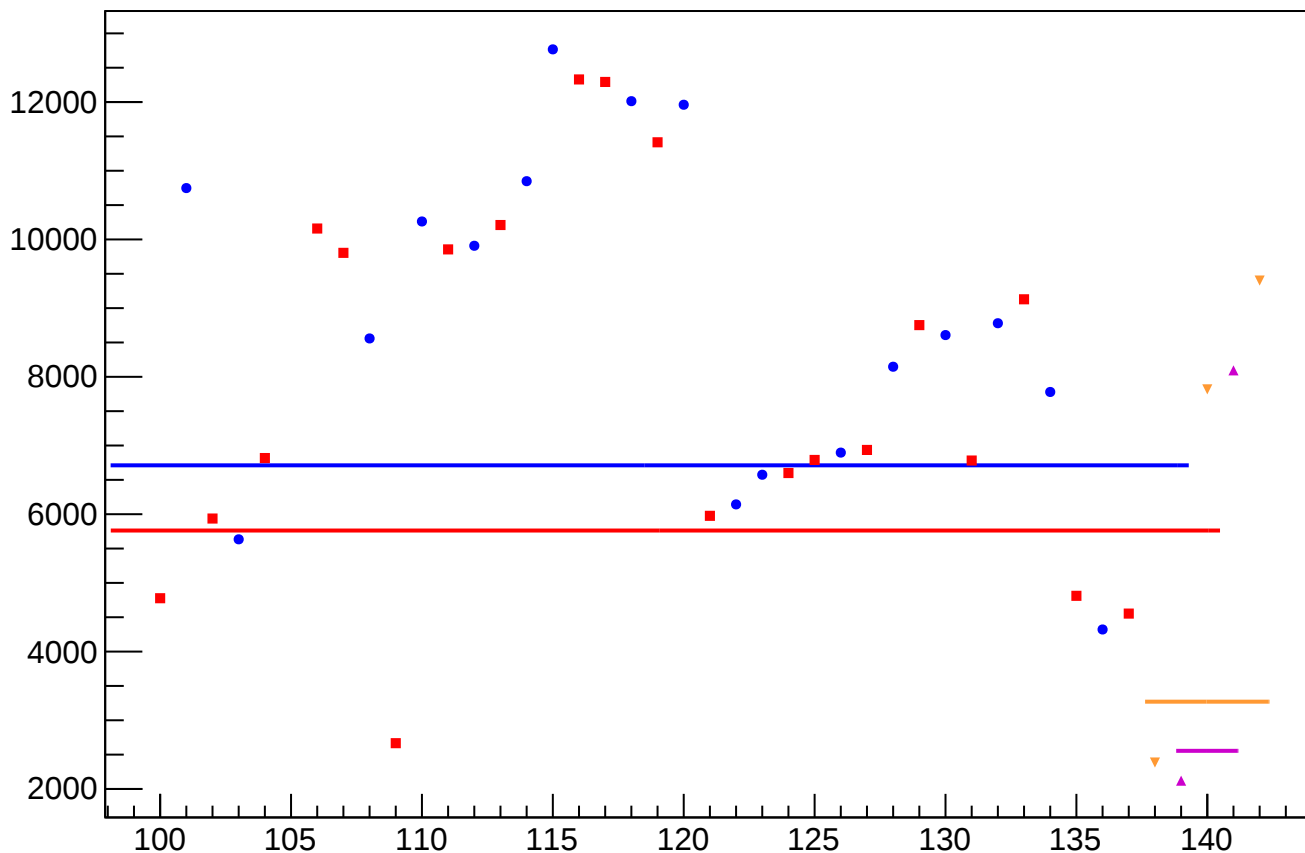
Right Out: 1.007 ± 2.427 $\chi^2/\text{NDF}: 25.0/19$

Left In: -2.118 ± 2.399 $\chi^2/\text{NDF}: 0.5/1$

-1.852 ± 2.017 $\chi^2/\text{NDF}: 18.0/19$

-0.574 ± 1.706 $\chi^2/\text{NDF}: 26.4/21$

diff_bpm11Y_rms vs Slug



Right In: 6711.550 ± 1.967 $\chi^2/\text{NDF}: 1446972.0/16$

Left Out: 3270.799 ± 2.070 $\chi^2/\text{NDF}: 1047253.2/2$

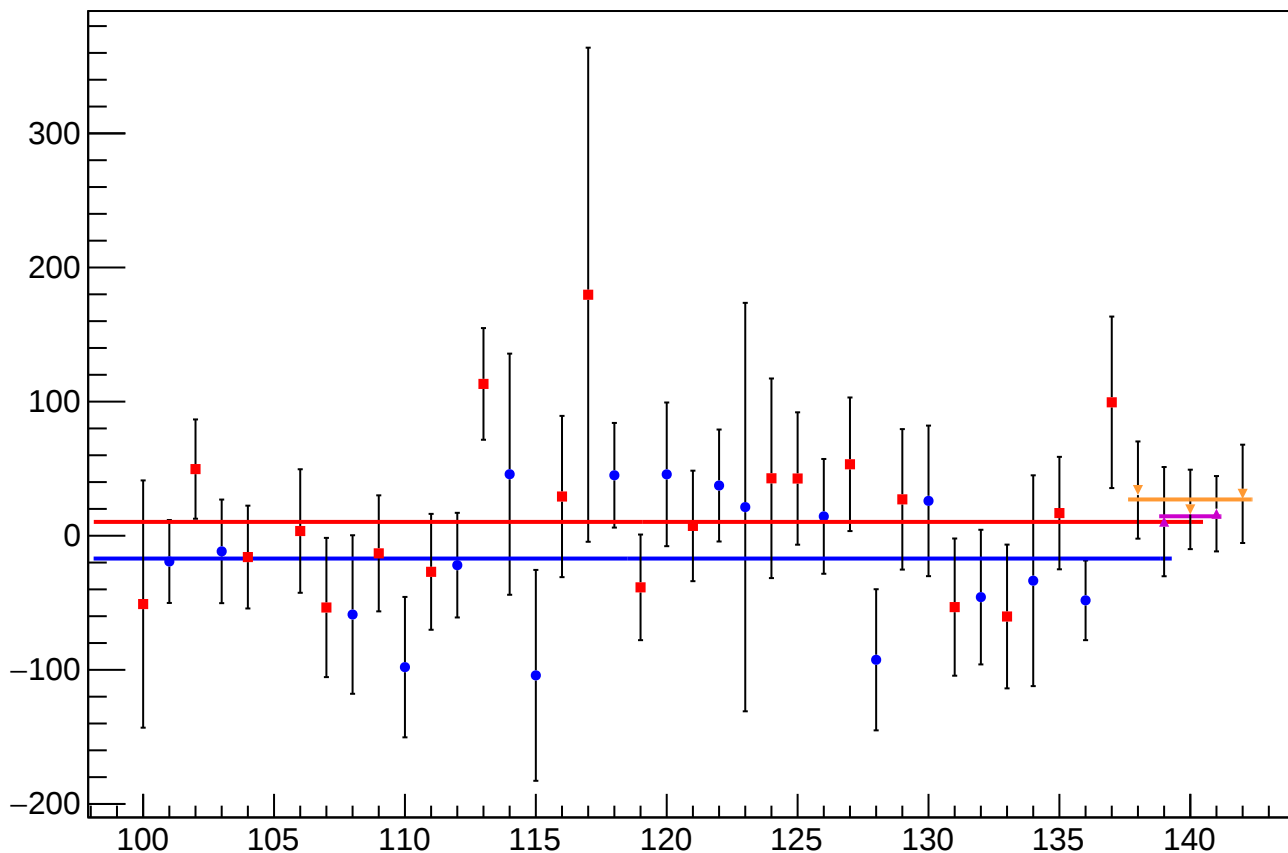
Right Out: 5762.387 ± 1.716 $\chi^2/\text{NDF}: 2189239.7/19$

Left In: 2555.123 ± 1.696 $\chi^2/\text{NDF}: 836531.1/1$

5079.124 ± 1.426 $\chi^2/\text{NDF}: 3945997.6/19$

4139.981 ± 1.206 $\chi^2/\text{NDF}: 4792640.2/21$

diff_bpm12X_mean vs Slug



Right In: -17.010 $\pm$ 11.287 χ^2/NDF : 15.0/16

Left Out: 27.047 $\pm$ 19.442 χ^2/NDF : 0.1/2

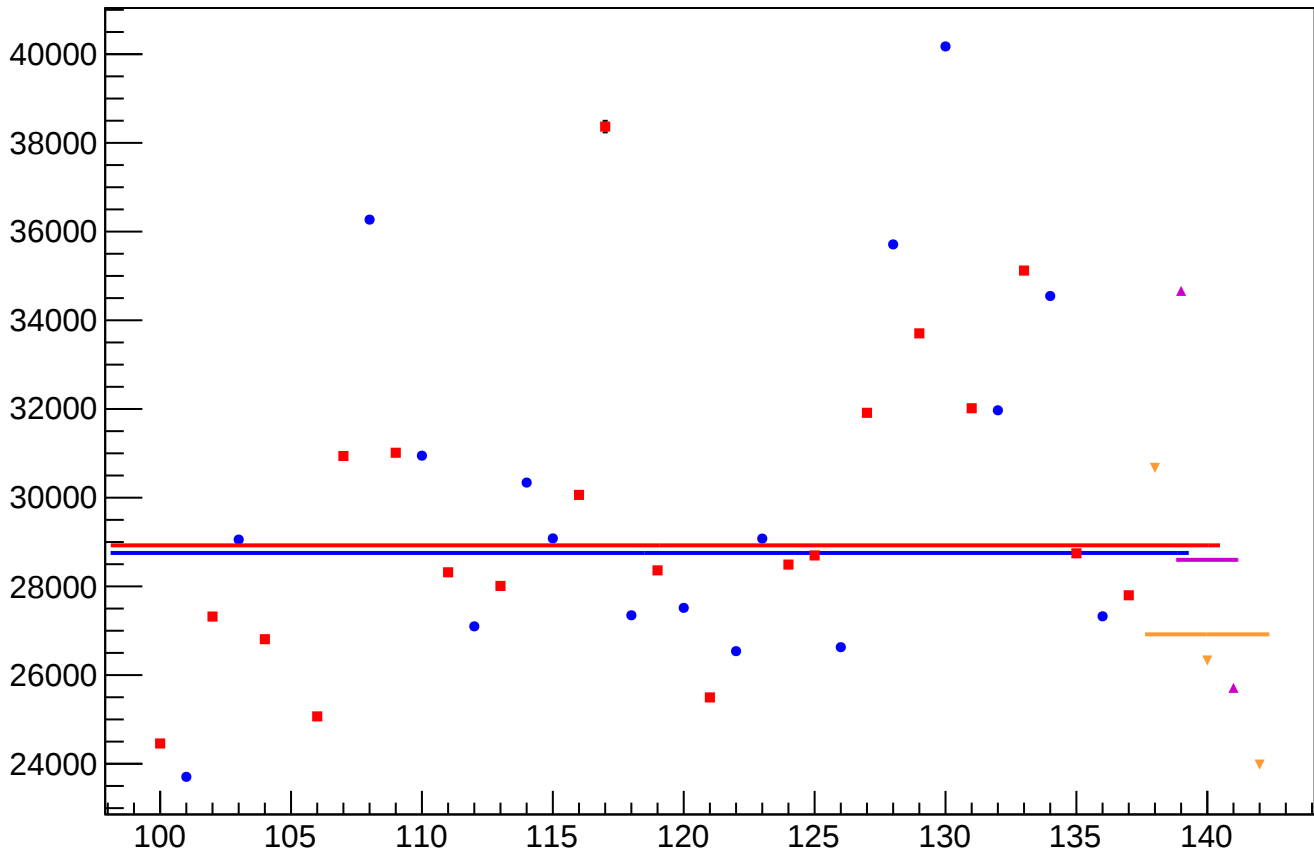
Right Out: 10.311 $\pm$ 10.872 χ^2/NDF : 19.9/19

Left In: 14.506 $\pm$ 23.123 χ^2/NDF : 0.0/1

-5.904 $\pm$ 9.761 χ^2/NDF : 18.9/19

11.071 $\pm$ 9.839 χ^2/NDF : 20.0/21

diff_bpm12X_rms vs Slug



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 26918.607+/-13.747 χ^2/NDF : 35090.5/2

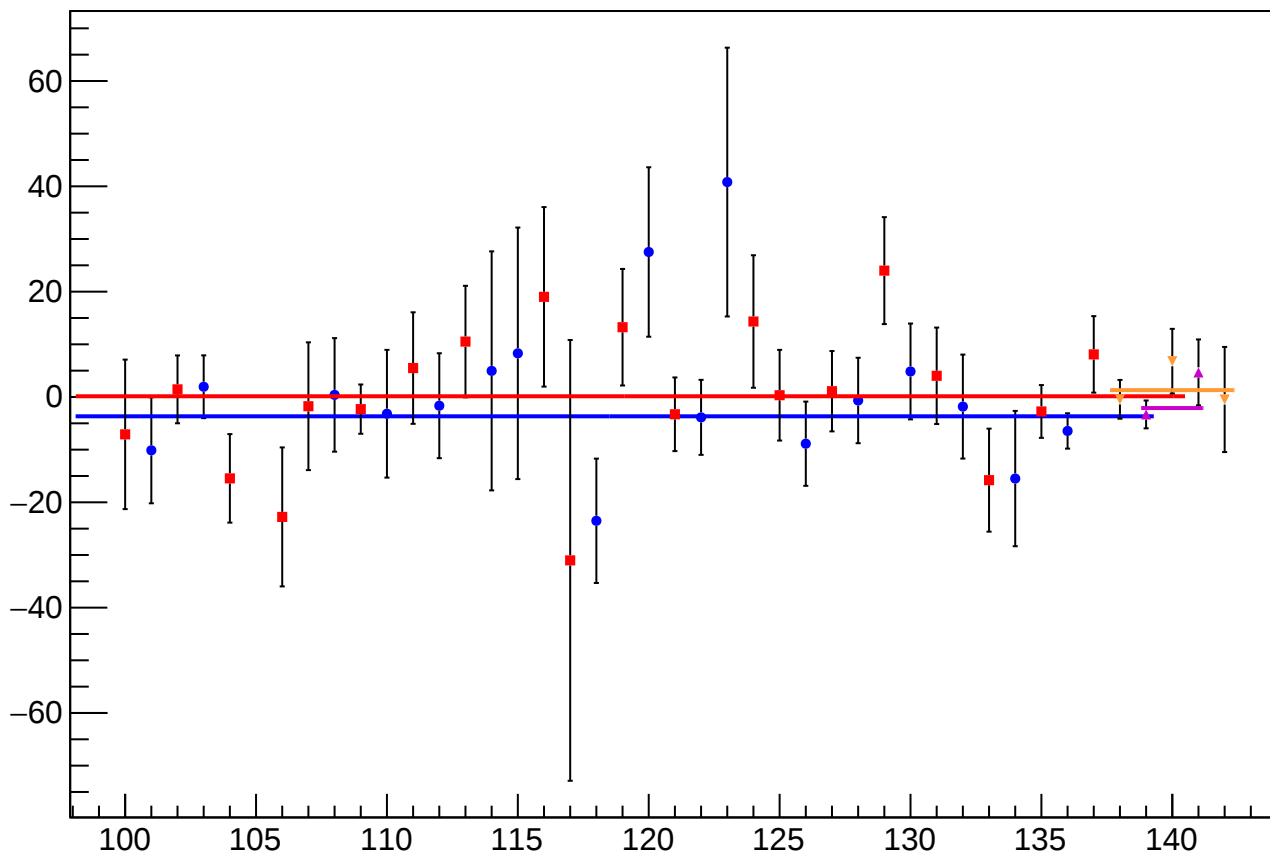
Right Out: 28925.160+/-7.687 χ^2/NDF : 116514.7/19

Left In: 28598.808+/-16.351 χ^2/NDF : 65464.6/1

28291.164+/-6.902 χ^2/NDF : 297633.8/19

28866.079+/-6.957 χ^2/NDF : 182305.6/21

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: 1.297 ± 3.012 χ^2/NDF : 1.1/2

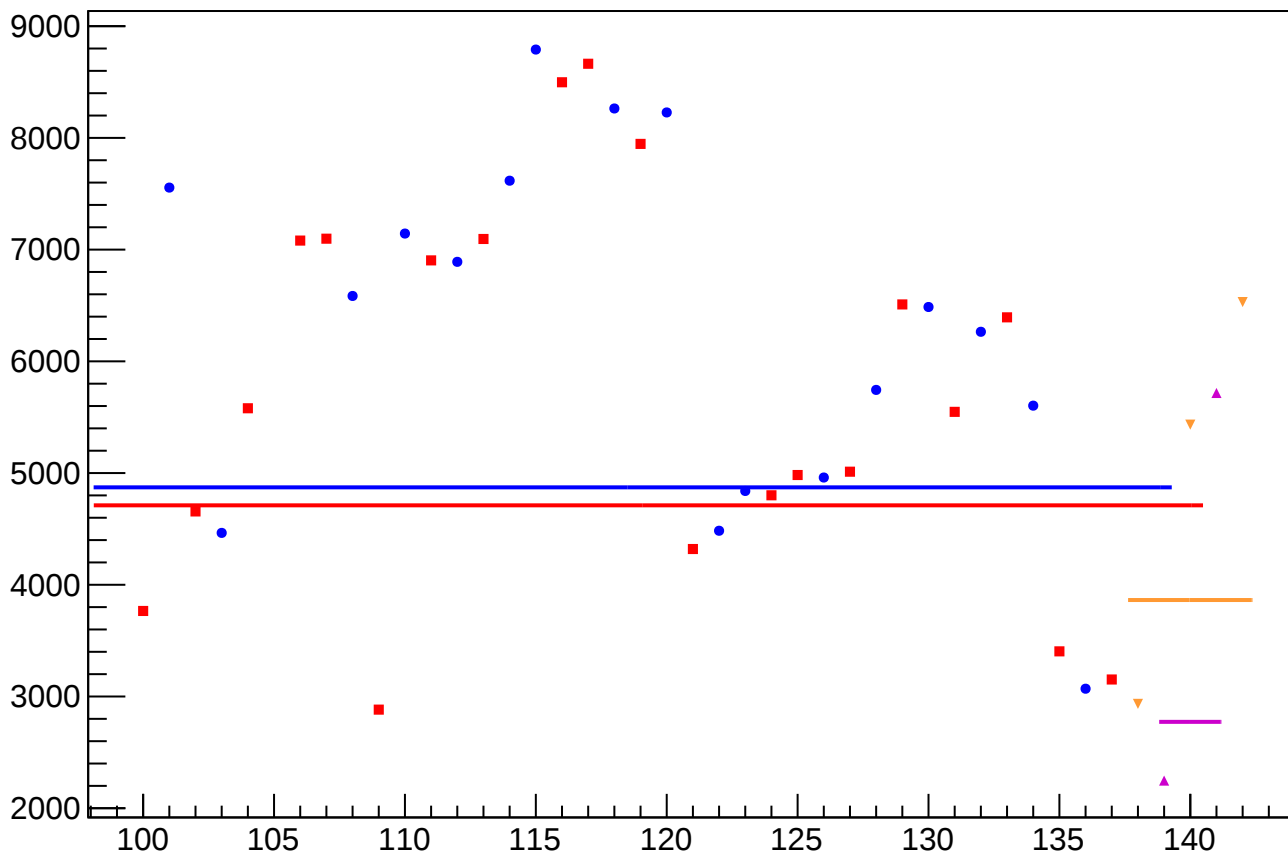
Right Out: 0.135 ± 1.891 χ^2/NDF : 22.9/19

Left In: -2.102 ± 2.438 χ^2/NDF : 1.4/1

-2.138 ± 1.672 χ^2/NDF : 17.4/19

-0.705 ± 1.494 χ^2/NDF : 24.8/21

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2 /NDF: 1405253.2/16

Left Out: 3863.504+/-2.129 χ^2 /NDF:401000.7/2

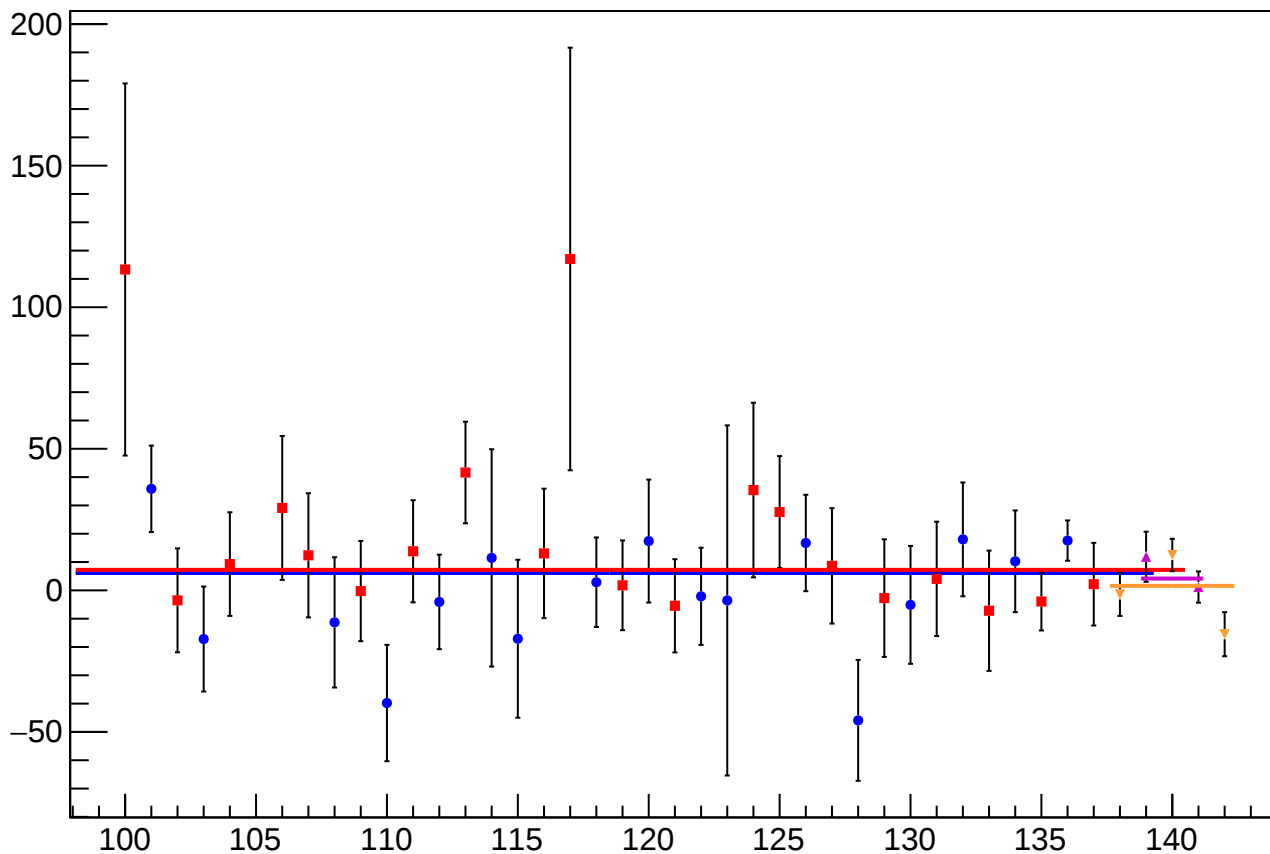
Right Out: 4711.077+/-1.337 χ^2 /NDF: 1330595.4/19

Left In: 2773.040+/-1.724 χ^2 /NDF:520934.0/1

4561.322+/-1.182 χ^2 /NDF: 1961462.1/19

3983.060+/-1.056 χ^2 /NDF: 2640878.0/21

diff_bpm16X_mean vs Slug



Right In: 6.133+/-4.080 χ^2/NDF : 22.2/16

Left Out: 1.587+/-3.940 χ^2/NDF : 8.6/2

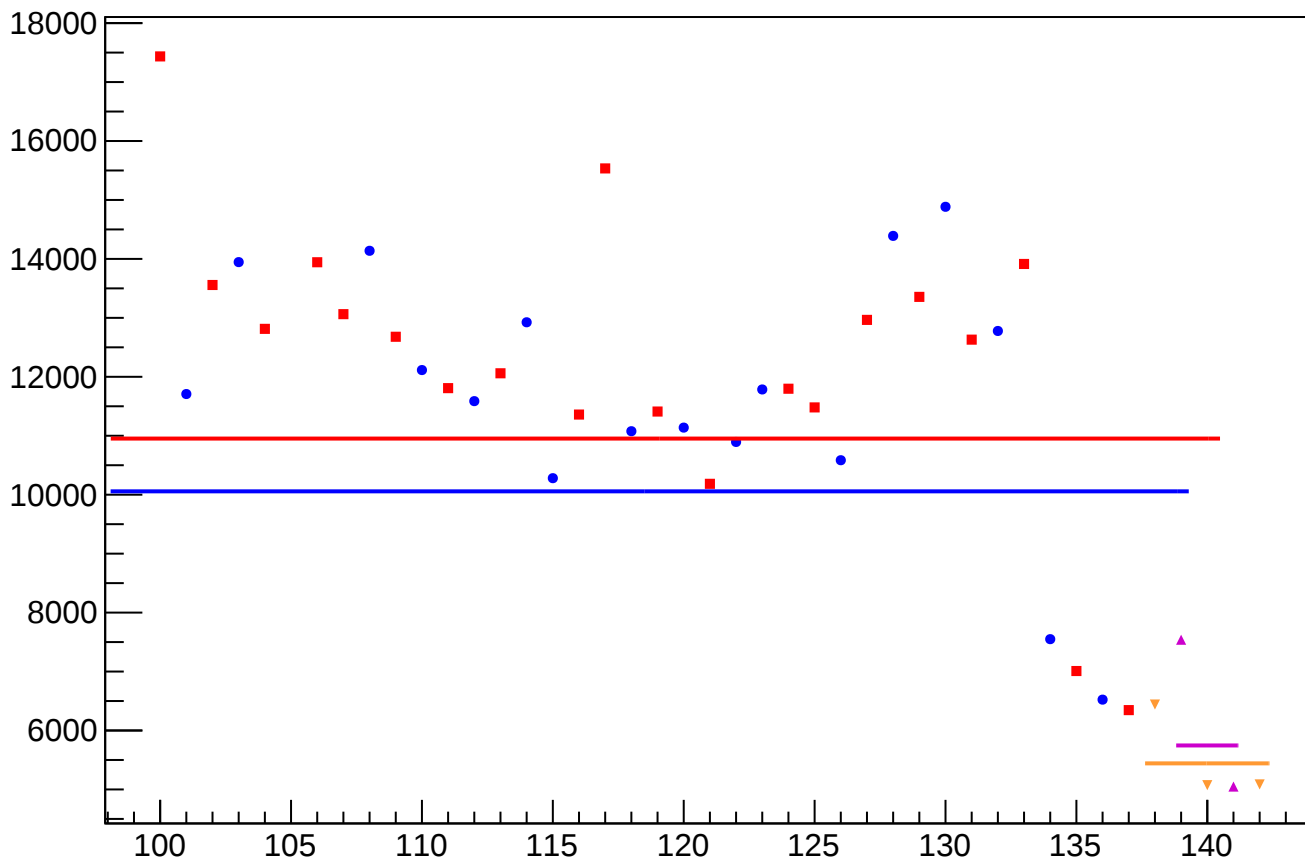
Right Out: 7.243+/-4.218 χ^2/NDF : 14.6/19

Left In: 4.169+/-4.684 χ^2/NDF : 1.1/1

3.781+/-2.834 χ^2/NDF : 31.5/19

5.867+/-3.134 χ^2/NDF : 15.9/21

diff_bpm16X_rms vs Slug



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

Left Out: 5442.279+/-2.786 χ^2/NDF : 46941.0/2

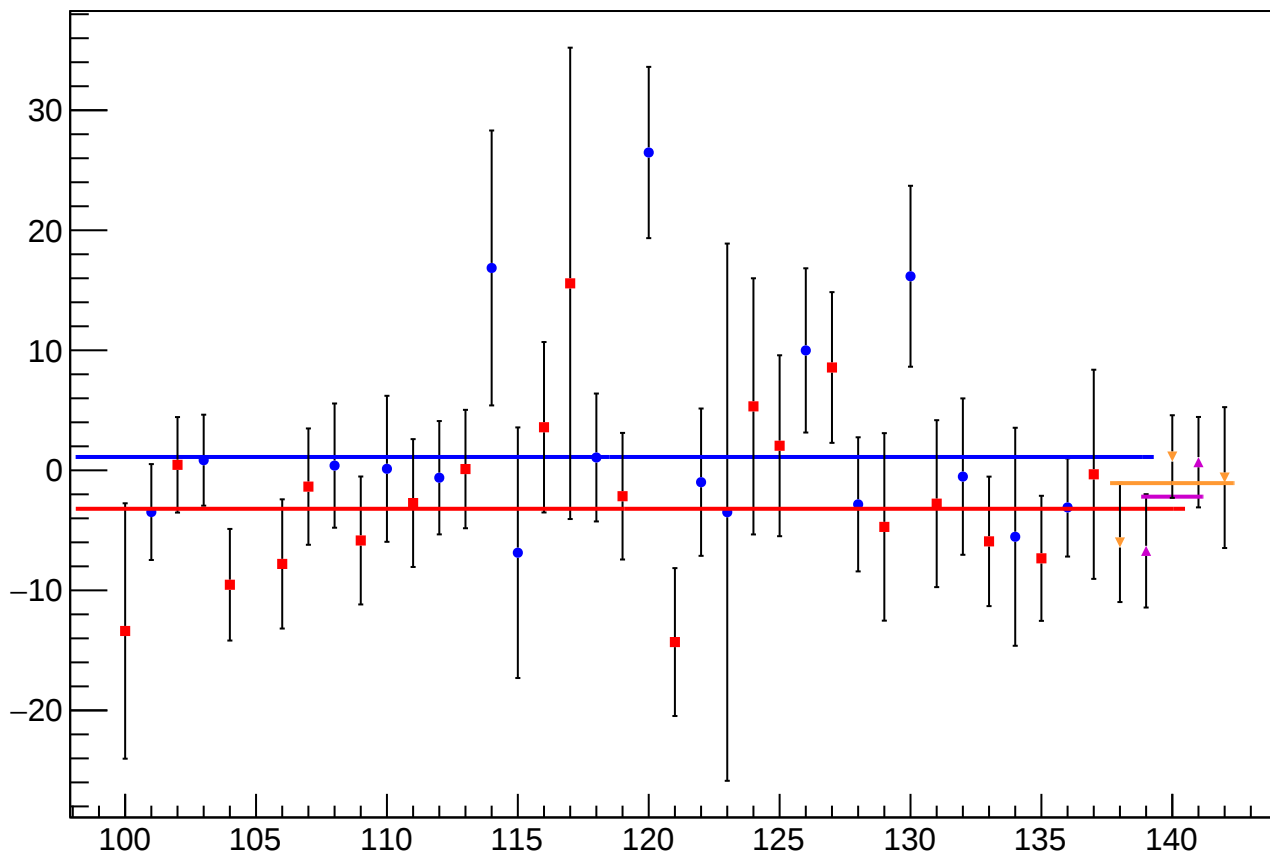
7669.226+/-2.004 χ^2/NDF : 2373556.8/19

Right Out: 10952.255+/-2.982 χ^2/NDF : 770474.3/19

8621.489+/-2.216 χ^2/NDF : 2248732.1/21

Left In: 5746.207+/-3.312 χ^2/NDF : 114003.9/1

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -1.066 ± 2.548 χ^2/NDF : 1.4/2

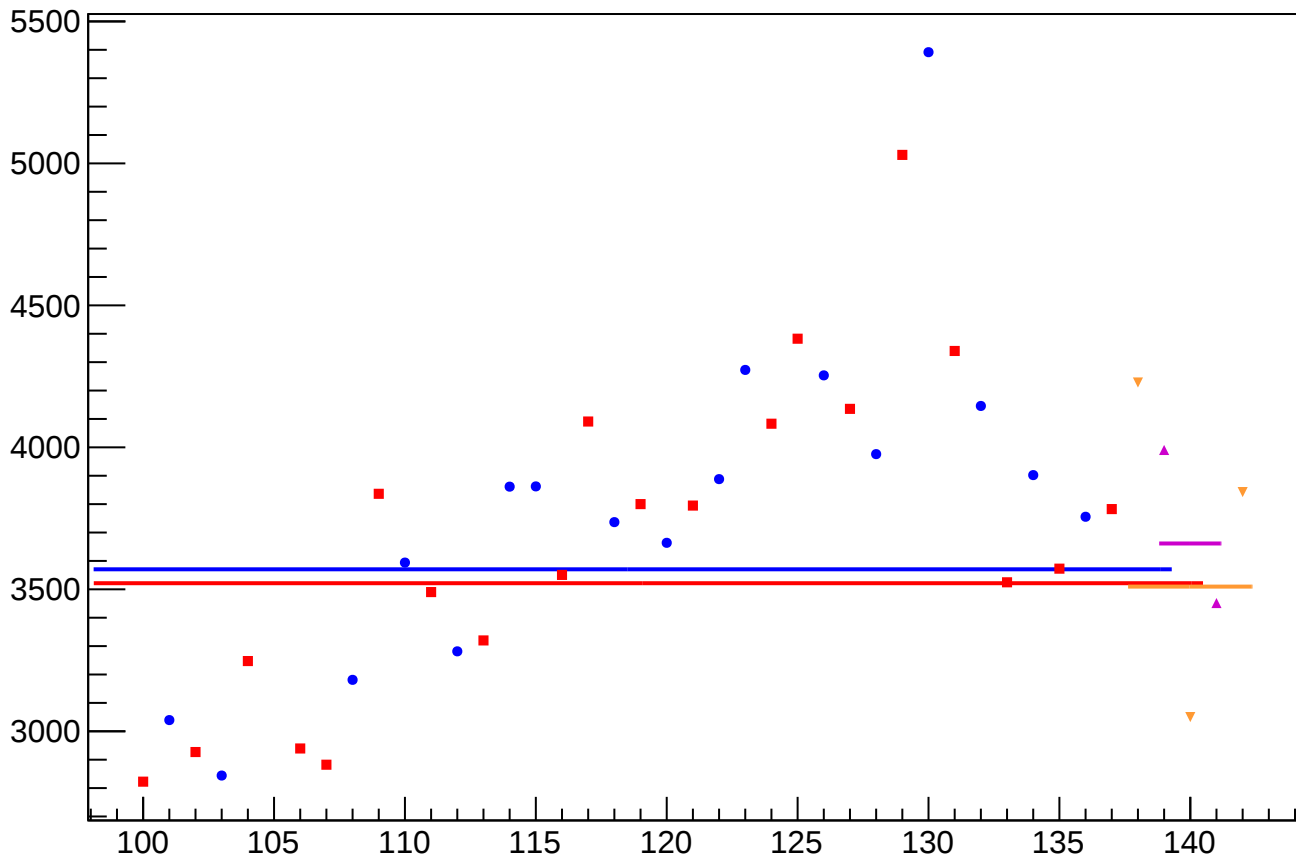
Right Out: -3.204 ± 1.331 χ^2/NDF : 16.0/19

Left In: -2.195 ± 2.945 χ^2/NDF : 1.5/1

0.606 ± 1.229 χ^2/NDF : 26.6/19

-3.033 ± 1.213 χ^2/NDF : 17.6/21

diff_bpm16Y_rms vs Slug



Right In: 3570.481 ± 0.992 χ^2/NDF : 309699.2/16

Left Out: 3509.570 ± 1.802 χ^2/NDF : 83969.2/2

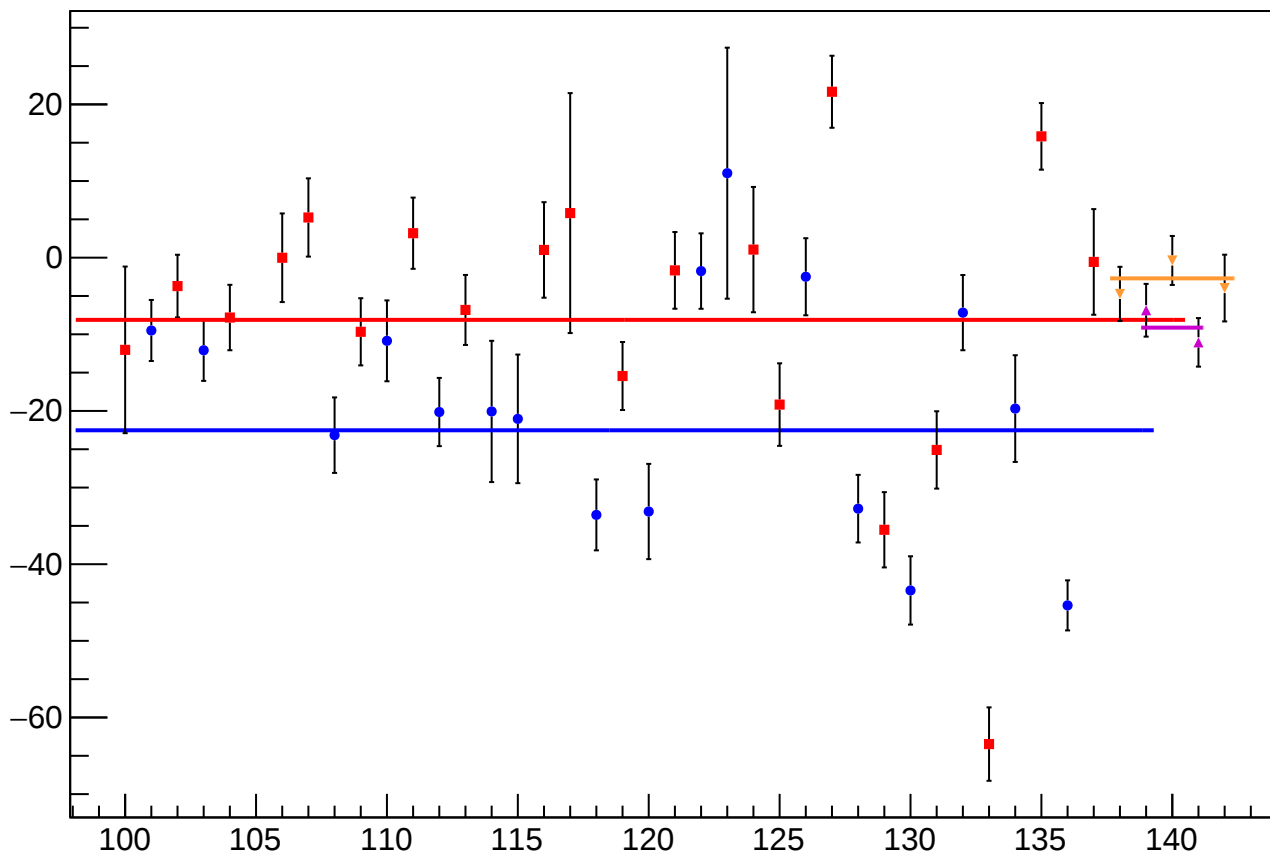
Right Out: 3521.513 ± 0.941 χ^2/NDF : 295082.3/19

Left In: 3661.410 ± 2.082 χ^2/NDF : 15932.8/1

3556.314 ± 0.869 χ^2/NDF : 394545.4/19

3545.233 ± 0.857 χ^2/NDF : 314763.8/21

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -2.702 ± 2.082 χ^2/NDF : 0.9/2

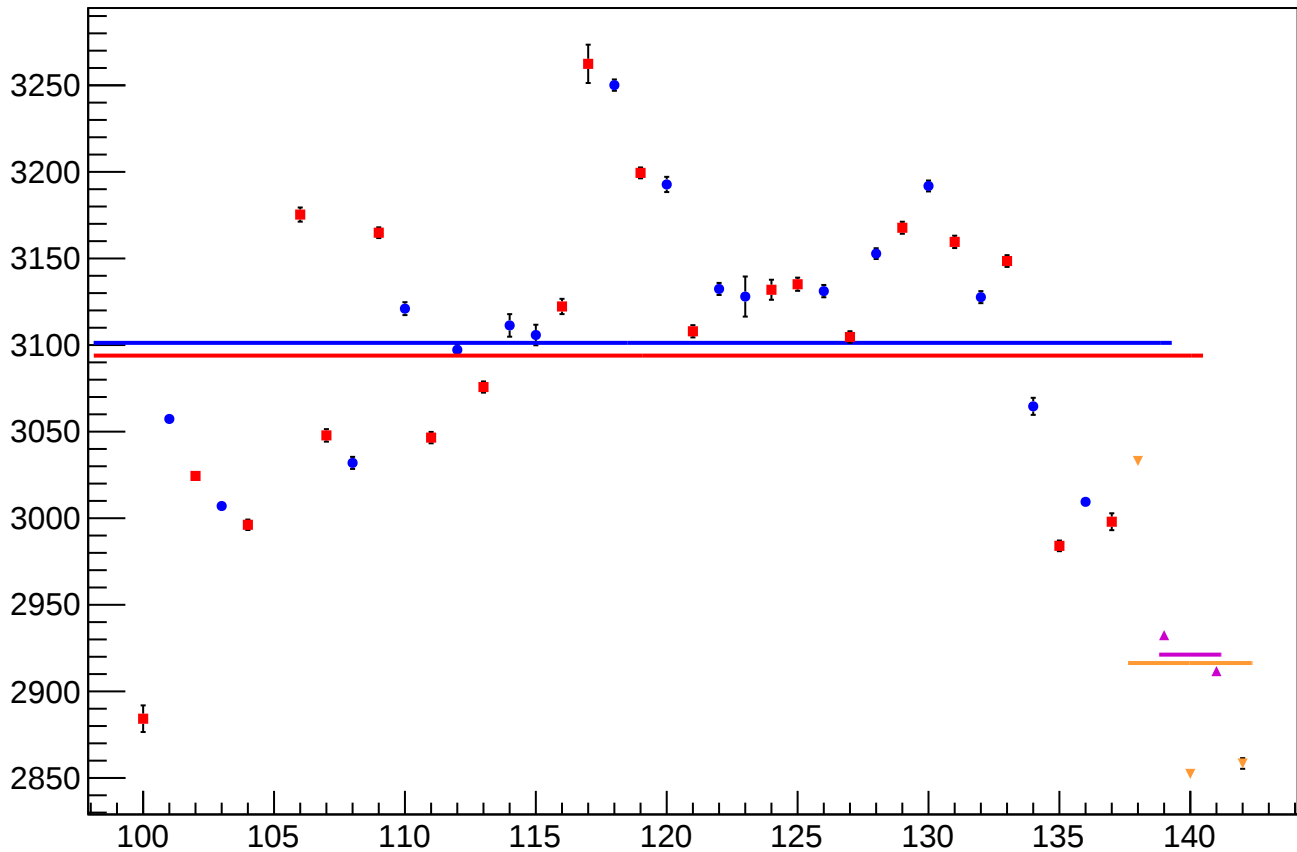
Right Out: -8.116 ± 1.154 χ^2/NDF : 276.6/19

Left In: -9.131 ± 2.331 χ^2/NDF : 0.8/1

-17.581 ± 1.040 χ^2/NDF : 224.5/19

-8.316 ± 1.034 χ^2/NDF : 277.6/21

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 2916.376+/-1.473 χ^2/NDF : 3333.9/2

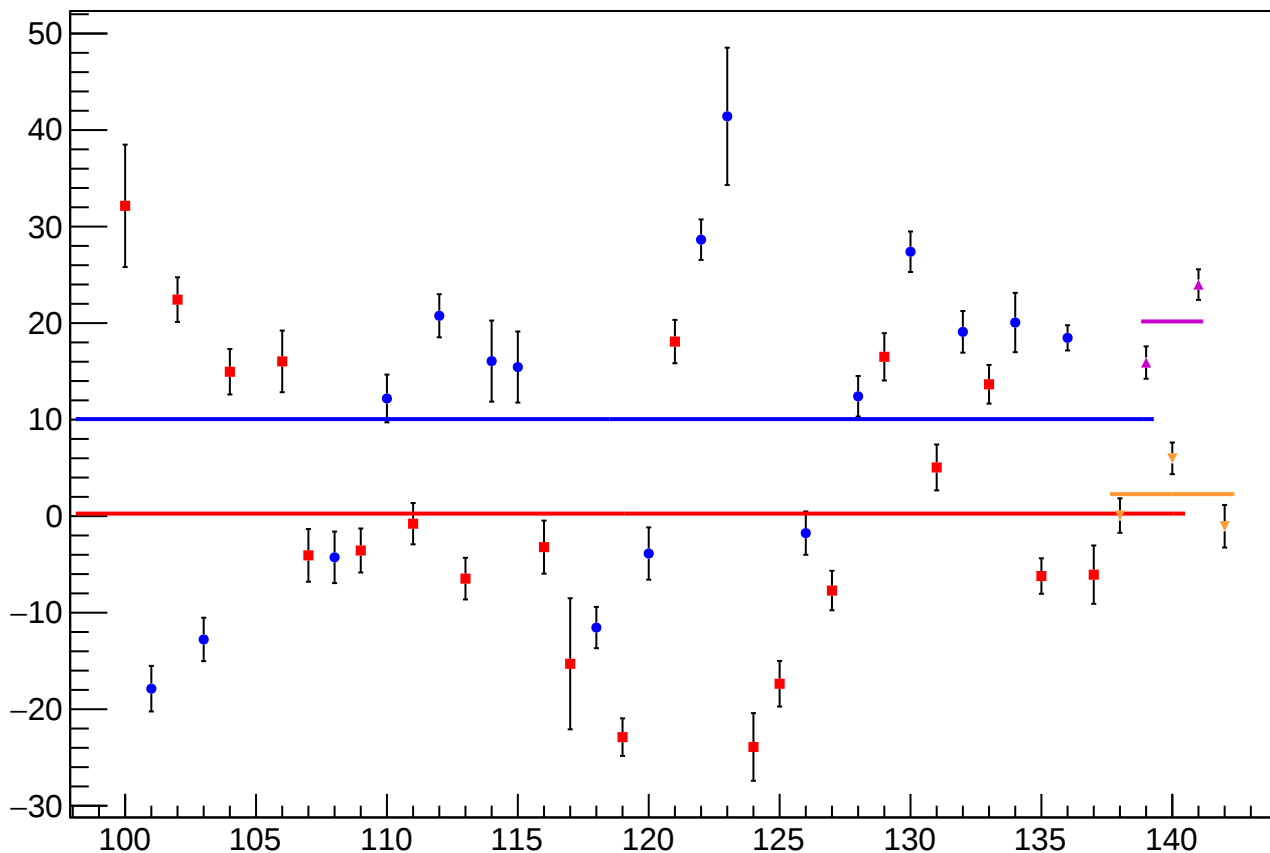
Right Out: 3093.913+/-0.816 χ^2/NDF : 7998.9/19

Left In: 2921.225+/-1.649 χ^2/NDF : 39.4/1

3055.149+/-0.735 χ^2/NDF : 22401.0/19

3059.942+/-0.731 χ^2/NDF : 16852.5/21

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 2.282 $\pm$ 1.059 χ^2 /NDF: 8.9/2

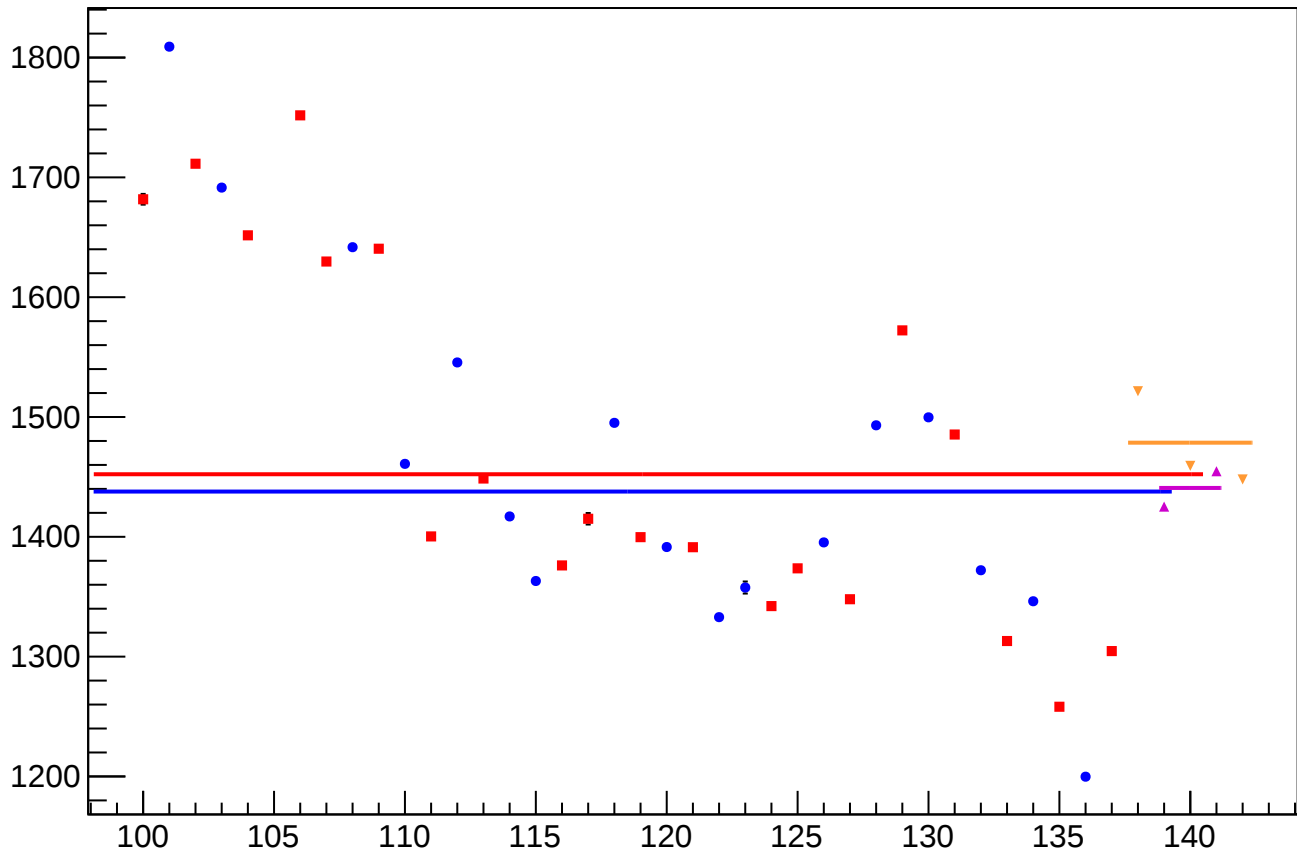
Right Out: 0.266 $\pm$ 0.545 χ^2 /NDF: 635.1/19

Left In: 20.174 $\pm$ 1.151 χ^2 /NDF: 12.3/1

8.348 $\pm$ 0.496 χ^2 /NDF: 743.2/19

3.915 $\pm$ 0.493 χ^2 /NDF: 891.8/21

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1478.573 $\pm$ 0.749 χ^2 /NDF:1823.7/2

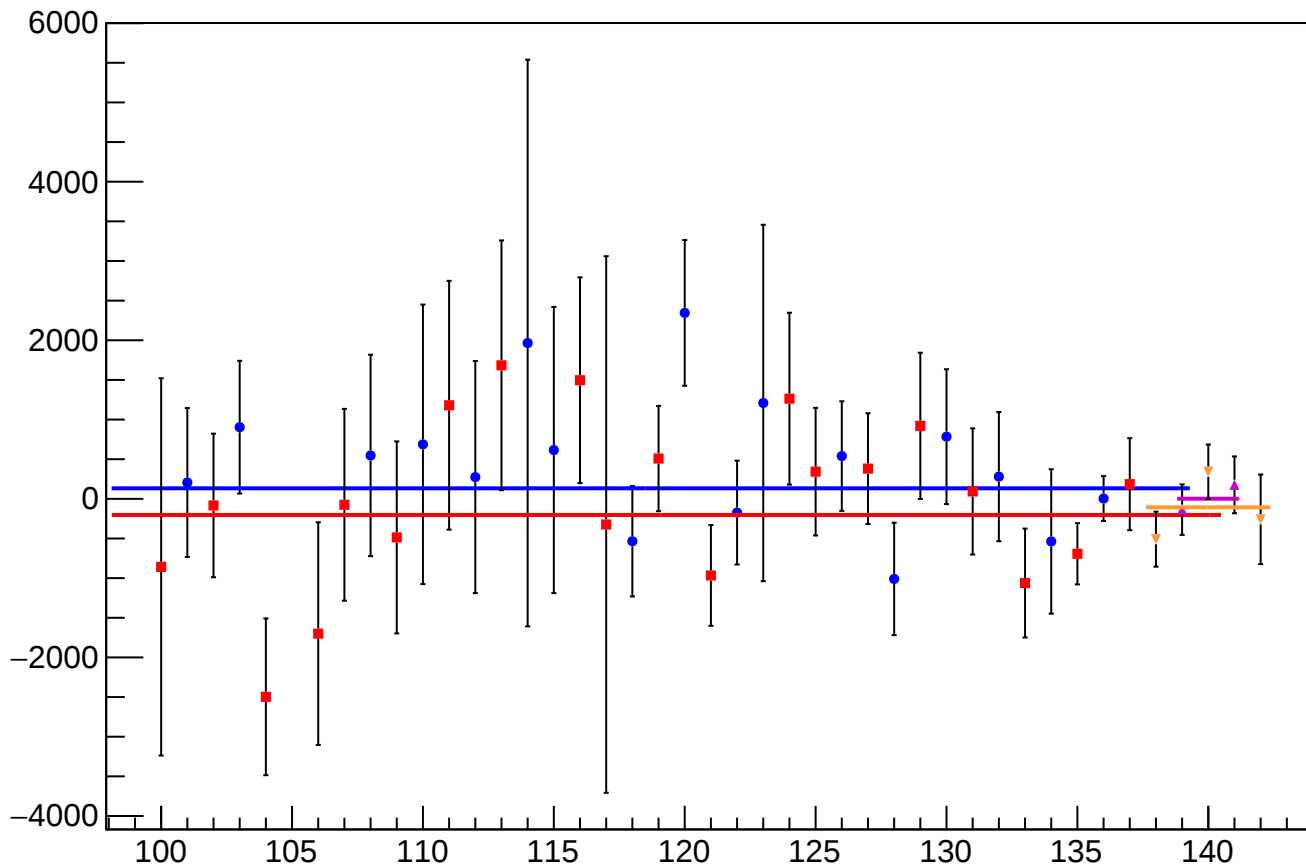
Right Out: 1452.227 $\pm$ 0.386 χ^2 /NDF: 138666.1/19

Left In: 1440.794 $\pm$ 0.814 χ^2 /NDF:328.0/1

1446.735 $\pm$ 0.351 χ^2 /NDF: 177357.1/19

1450.132 $\pm$ 0.348 χ^2 /NDF: 139155.3/21

asym_sam1_mean vs Slug



Right In: 132.921+/-180.271 χ^2/NDF : 12.9/16

Left Out: -107.002+/-224.017 χ^2/NDF : 3.1/2

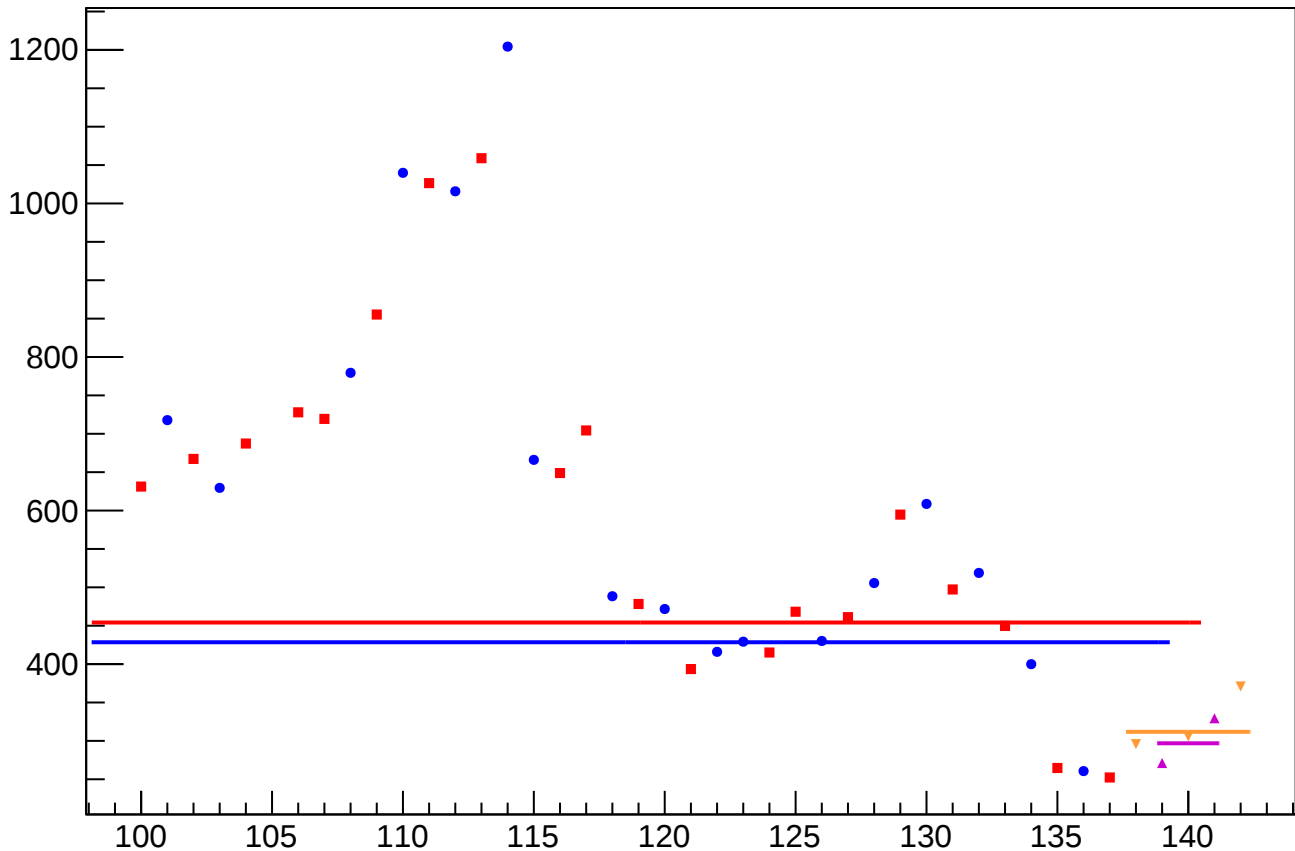
Right Out: -203.418+/-184.080 χ^2/NDF : 21.4/19

Left In: 1.856+/-238.161 χ^2/NDF : 0.4/1

38.620+/-140.444 χ^2/NDF : 16.7/19

-126.648+/-145.646 χ^2/NDF : 22.3/21

asym_sam1_rms vs Slug



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 311.813+/-0.158 χ^2/NDF :26744.9/2

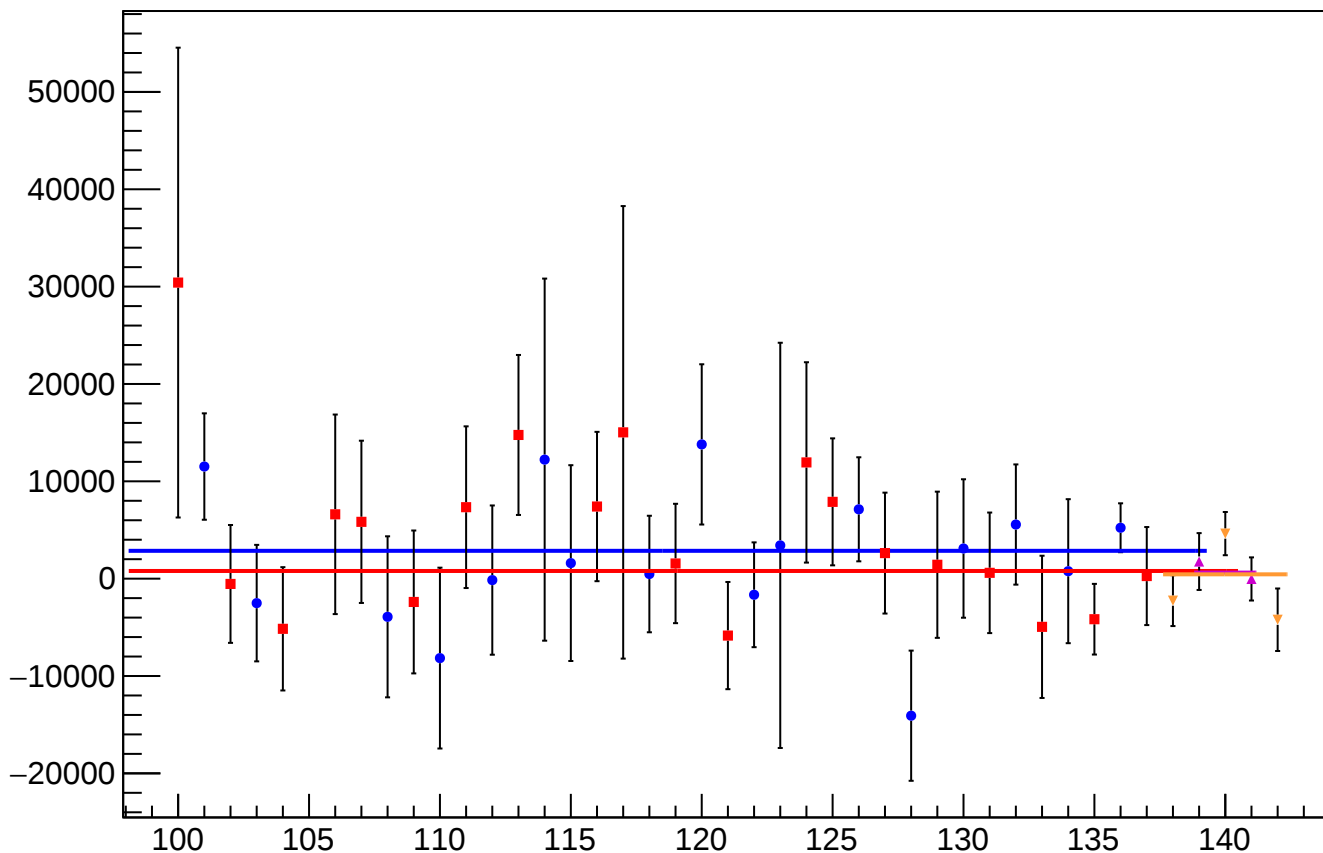
382.612+/-0.099 χ^2/NDF : 2367334.2/19

Right Out: 454.177+/-0.130 χ^2/NDF : 2040775.1/19

395.346+/-0.103 χ^2/NDF : 2616518.6/21

Left In: 296.868+/-0.168 χ^2/NDF :29504.8/1

asym_sam2_mean vs Slug



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 445.281+/-1496.737 χ^2/NDF : 6.7/2

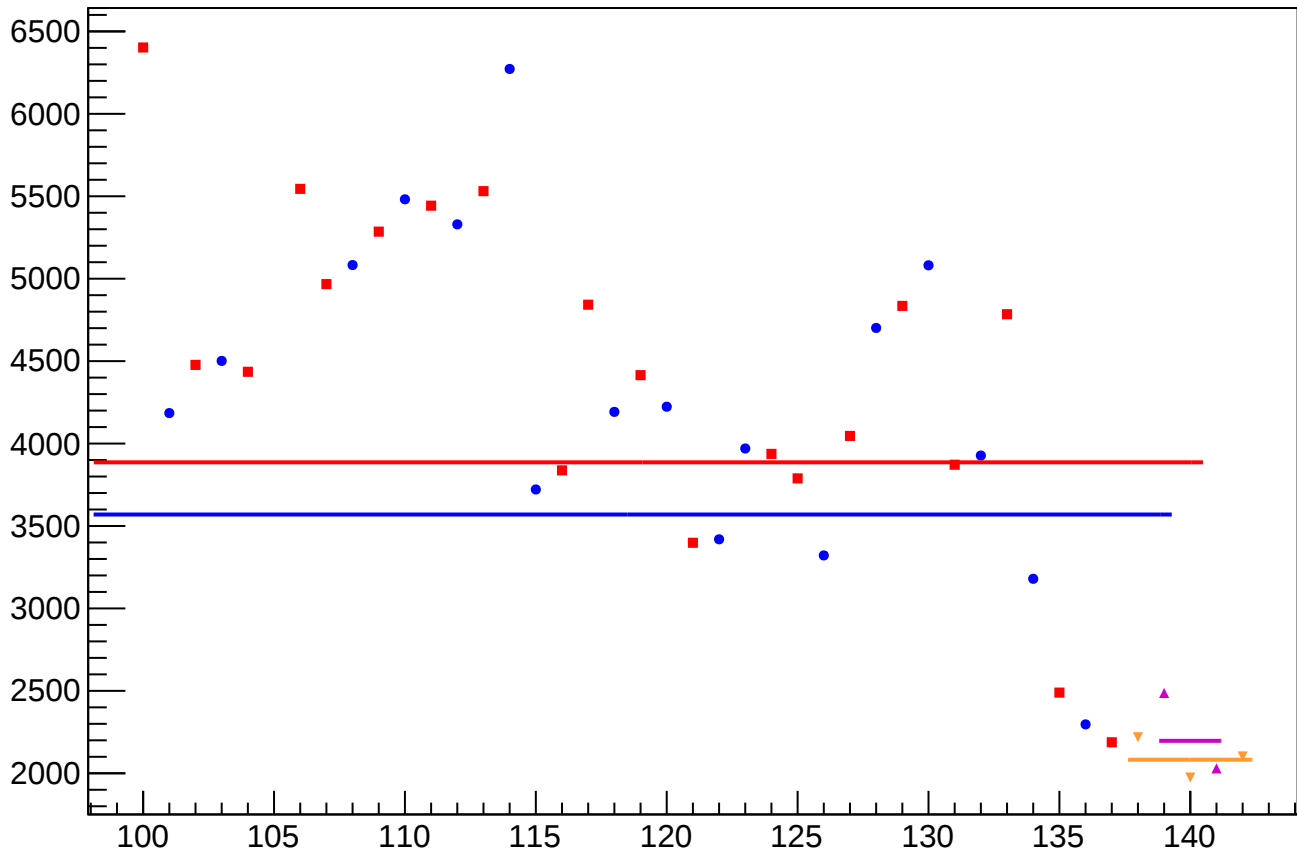
Right Out: 789.608+/-1506.053 χ^2/NDF : 14.4/19

Left In: 624.331+/-1765.075 χ^2/NDF : 0.2/1

1692.496+/-1040.651 χ^2/NDF : 24.7/19

719.975+/-1145.681 χ^2/NDF : 14.6/21

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2082.242+/-1.058 χ^2/NDF : 10258.1/2

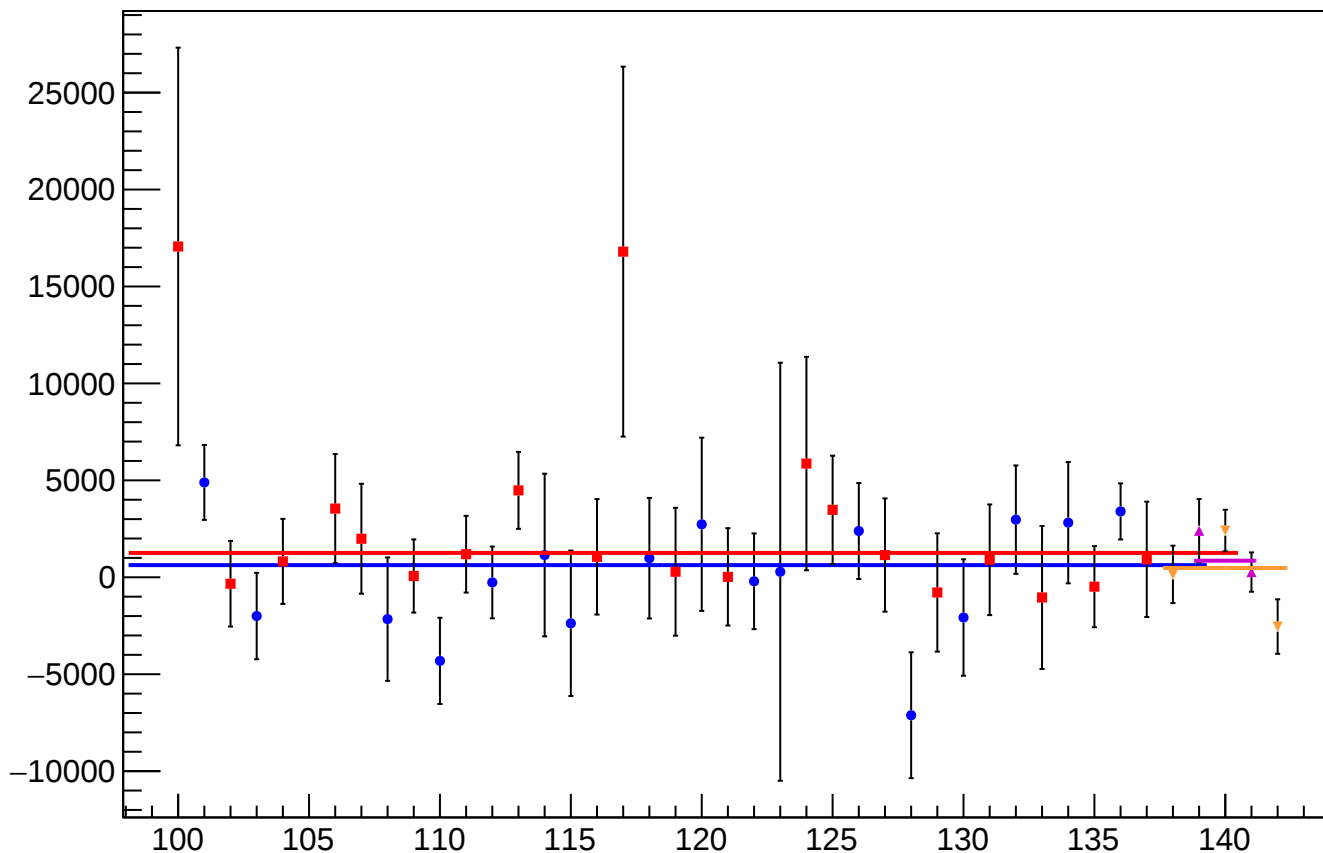
2850.607+/-0.736 χ^2/NDF : 2118500.7/19

Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

3174.478+/-0.810 χ^2/NDF : 2077811.5/21

Left In: 2196.889+/-1.248 χ^2/NDF : 31171.9/1

asym_sam3_mean vs Slug



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 480.173+/-738.801 χ^2/NDF : 7.9/2

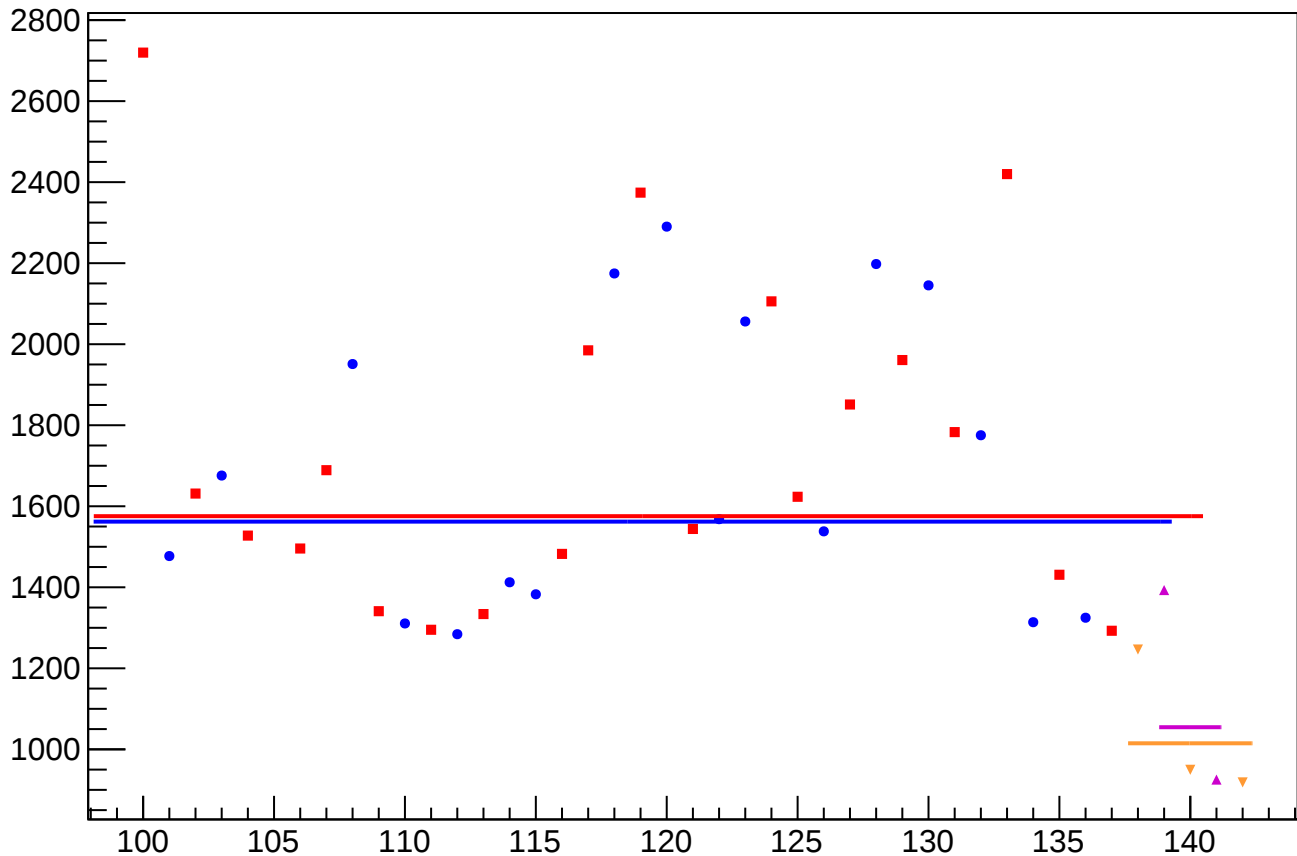
Right Out: 1257.467+/-601.857 χ^2/NDF : 12.6/19

Left In: 856.978+/-862.429 χ^2/NDF : 1.2/1

566.603+/-475.342 χ^2/NDF : 33.0/19

1126.303+/-493.555 χ^2/NDF : 13.9/21

asym_sam3_rms vs Slug



Right In: 1562.101+/-0.439 χ^2/NDF : 482088.3/16

Left Out: 1014.934+/-0.522 χ^2/NDF : 65786.5/2

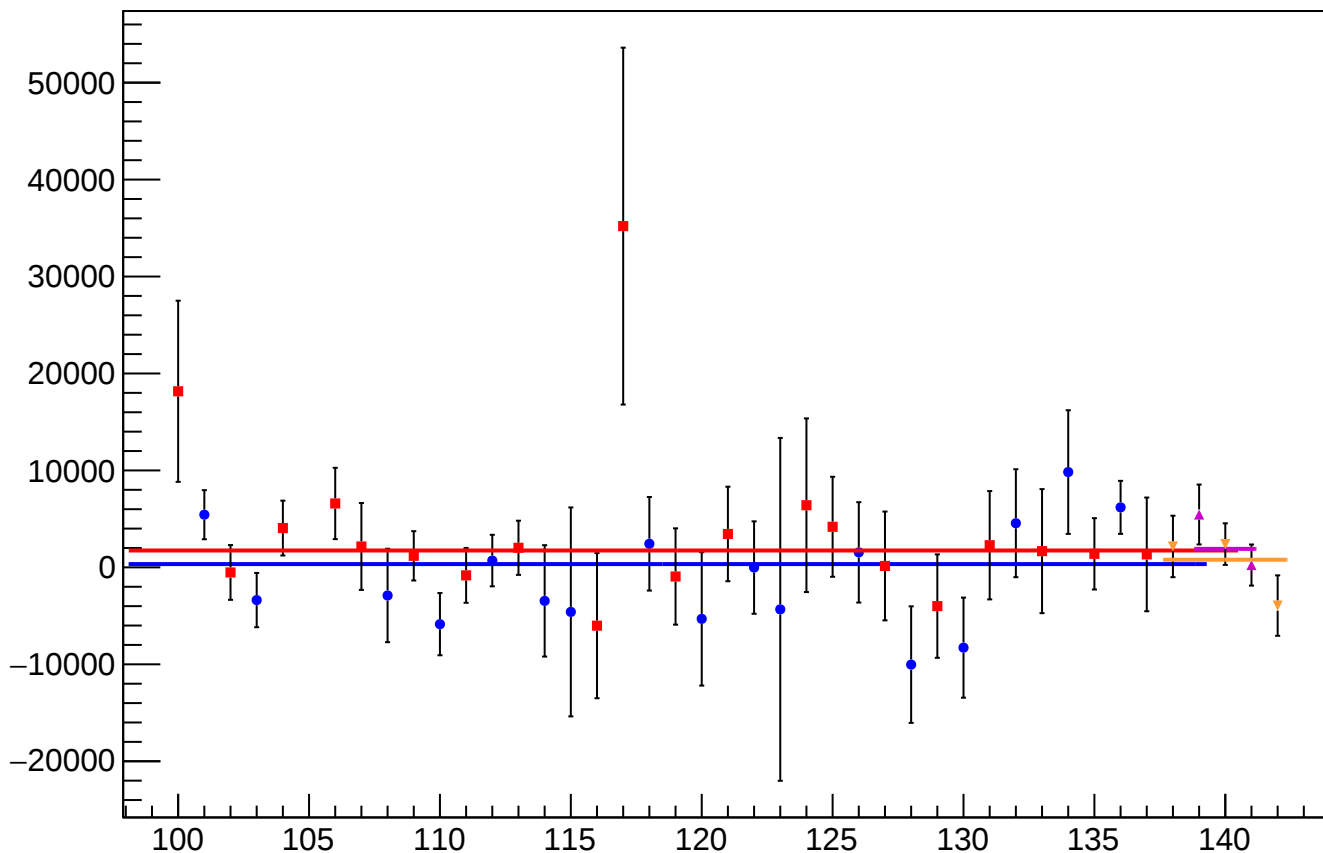
Right Out: 1575.541+/-0.426 χ^2/NDF : 467687.2/19

Left In: 1054.630+/-0.610 χ^2/NDF : 117665.8/1

1335.596+/-0.336 χ^2/NDF : 1190775.2/19

1404.937+/-0.349 χ^2/NDF : 1076031.9/21

asym_sam4_mean vs Slug



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 787.259 $\pm$ 1544.082 χ^2 /NDF: 3.1/2

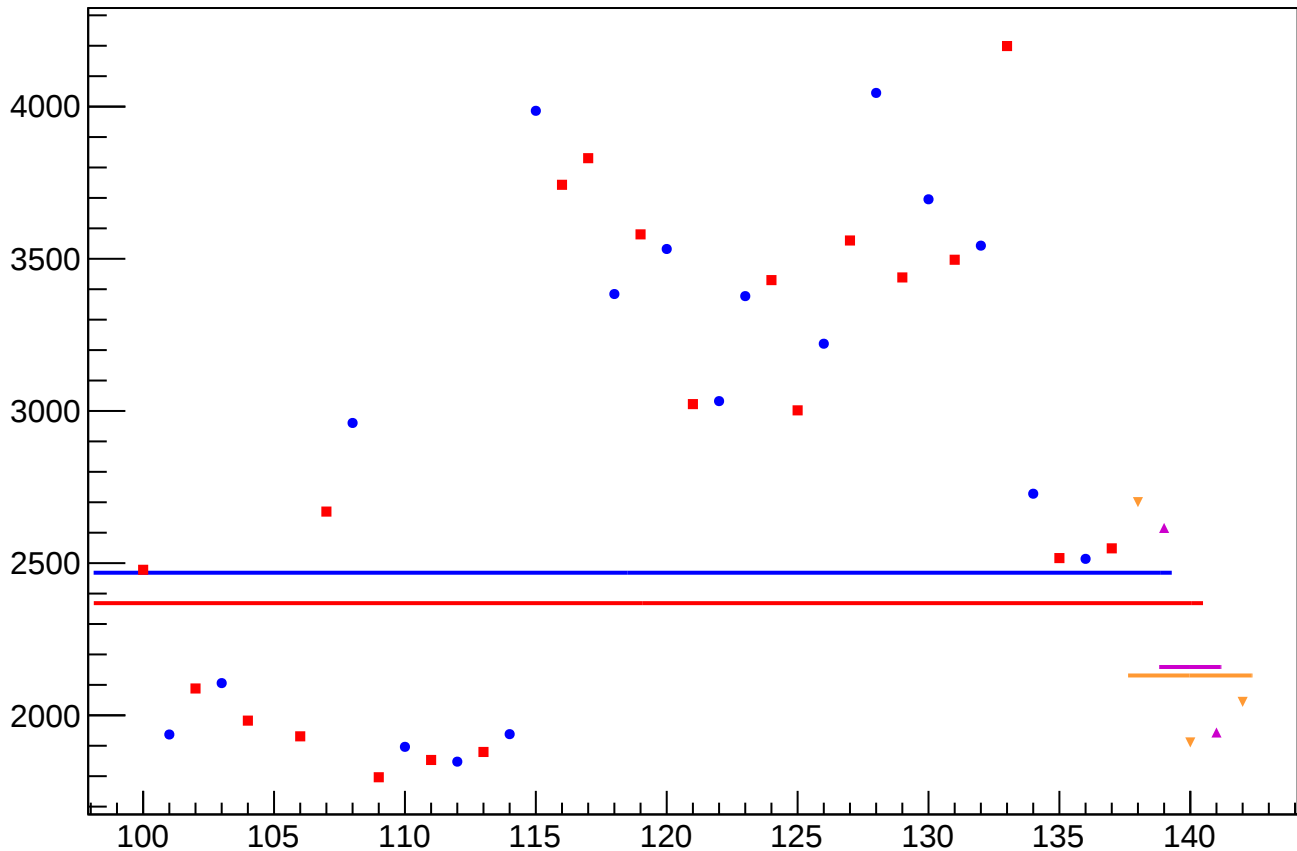
Right Out: 1742.470 $\pm$ 923.289 χ^2 /NDF: 13.6/19

Left In: 1908.712 $\pm$ 1747.235 χ^2 /NDF: 1.9/1

470.057 $\pm$ 836.887 χ^2 /NDF: 27.9/19

1778.758 $\pm$ 816.323 χ^2 /NDF: 15.5/21

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2130.848+/-1.092 χ^2/NDF : 87109.4/2

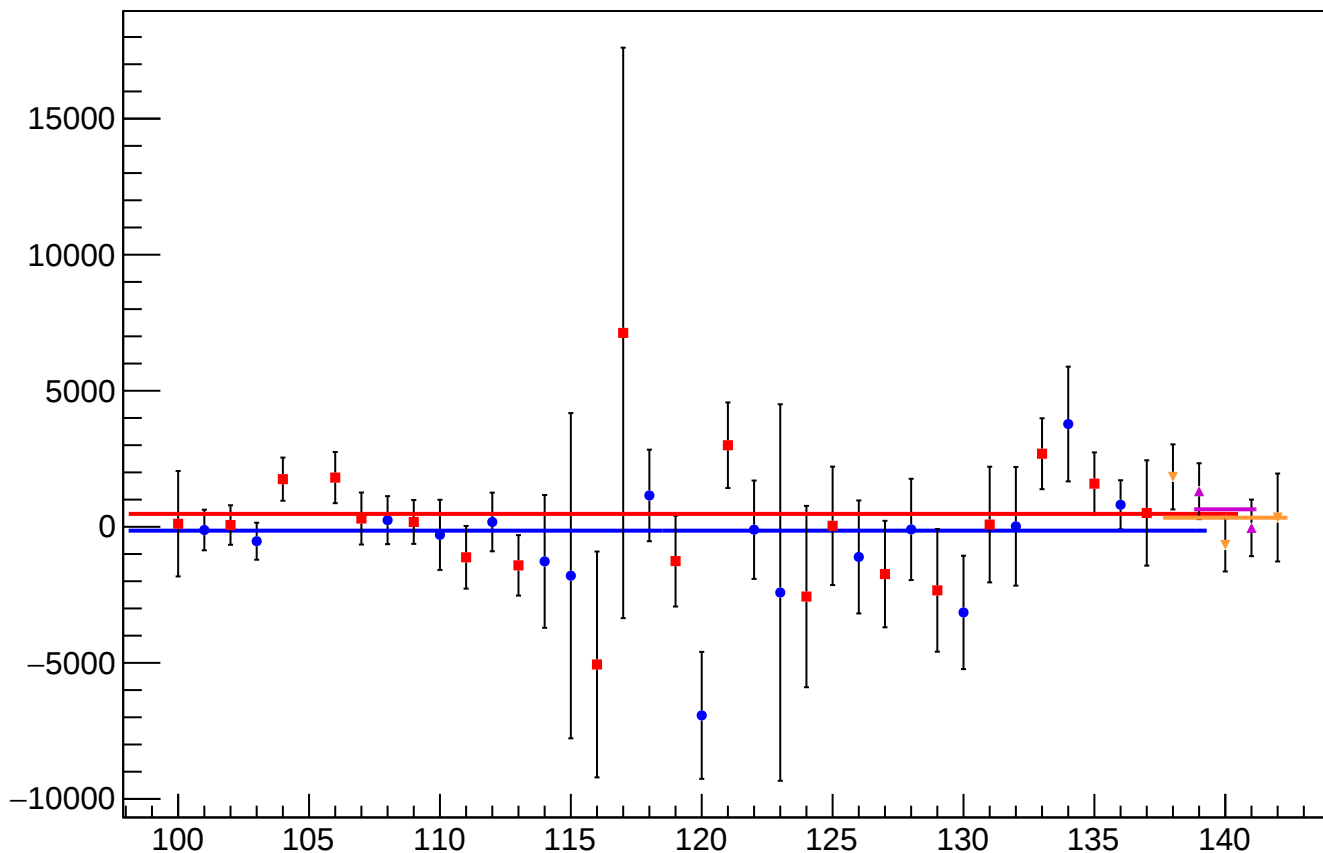
2369.303+/-0.592 χ^2/NDF : 1050801.8/19

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

2322.733+/-0.577 χ^2/NDF : 1124760.3/21

Left In: 2158.755+/-1.235 χ^2/NDF : 64413.9/1

asym_sam5_mean vs Slug



Right In: -141.213 ± 313.319 χ^2/NDF : 16.9/16

Left Out: 334.982 ± 684.791 χ^2/NDF : 2.6/2

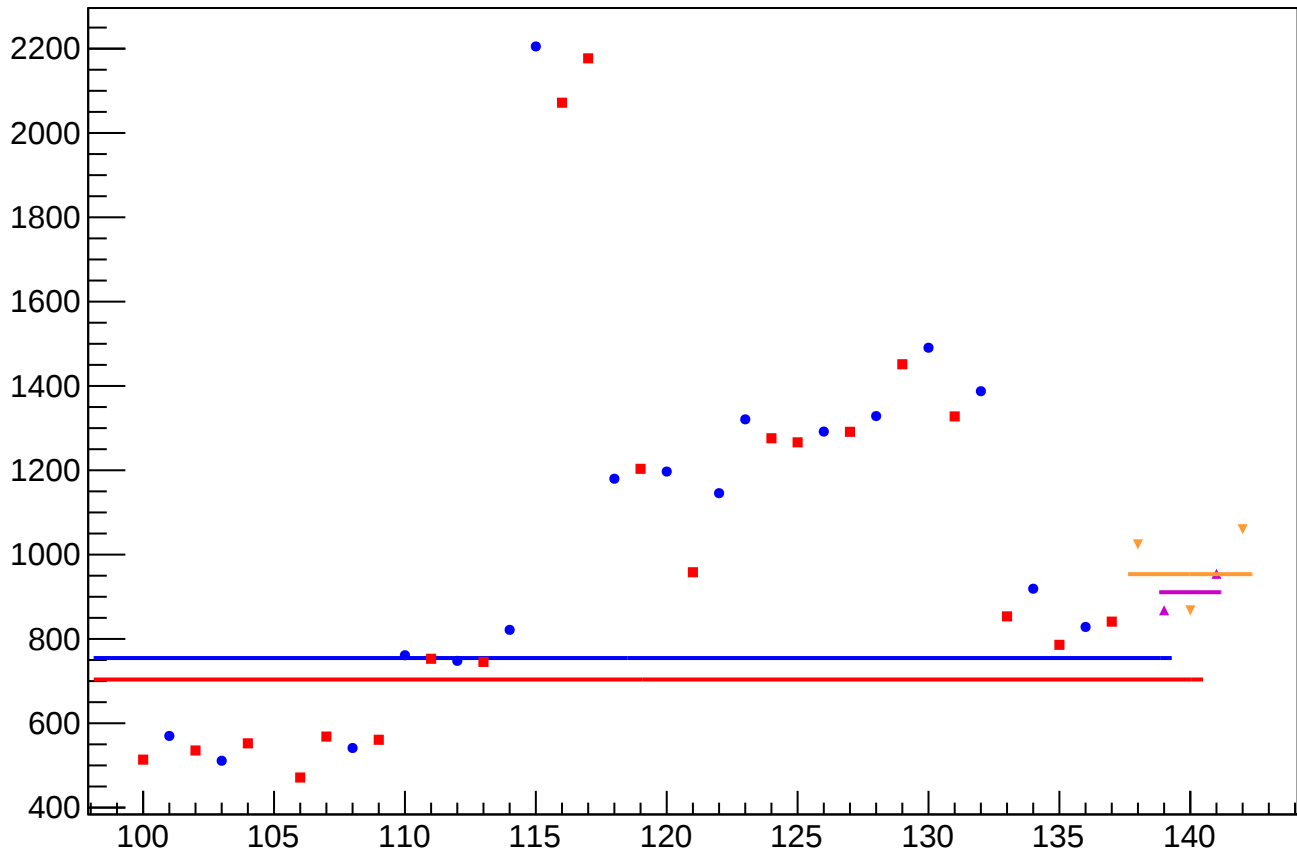
Right Out: 474.987 ± 282.789 χ^2/NDF : 23.3/19

Left In: 643.502 ± 730.447 χ^2/NDF : 0.9/1

-58.782 ± 284.913 χ^2/NDF : 20.0/19

496.952 ± 263.716 χ^2/NDF : 24.2/21

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 953.616+/-0.484 χ^2/NDF :31138.0/2

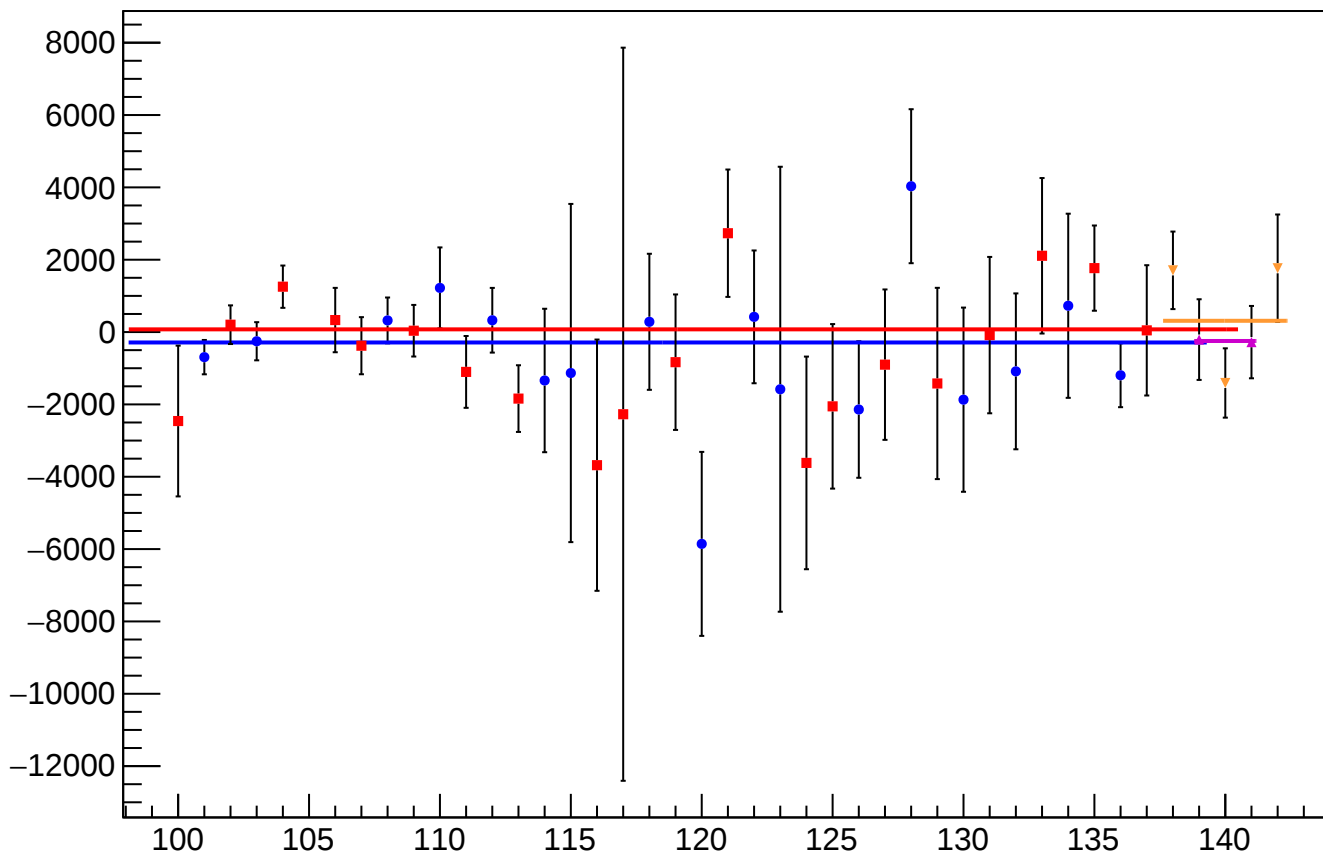
Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

Left In: 910.807+/-0.517 χ^2/NDF :7012.5/1

789.120+/-0.201 χ^2/NDF : 1861324.1/19

730.777+/-0.186 χ^2/NDF : 1877846.1/21

asym_sam6_mean vs Slug



Right In: -288.037 $\pm$ 250.436 χ^2 /NDF: 16.2/16

Left Out: 311.412 $\pm$ 643.790 χ^2 /NDF:5.9/2

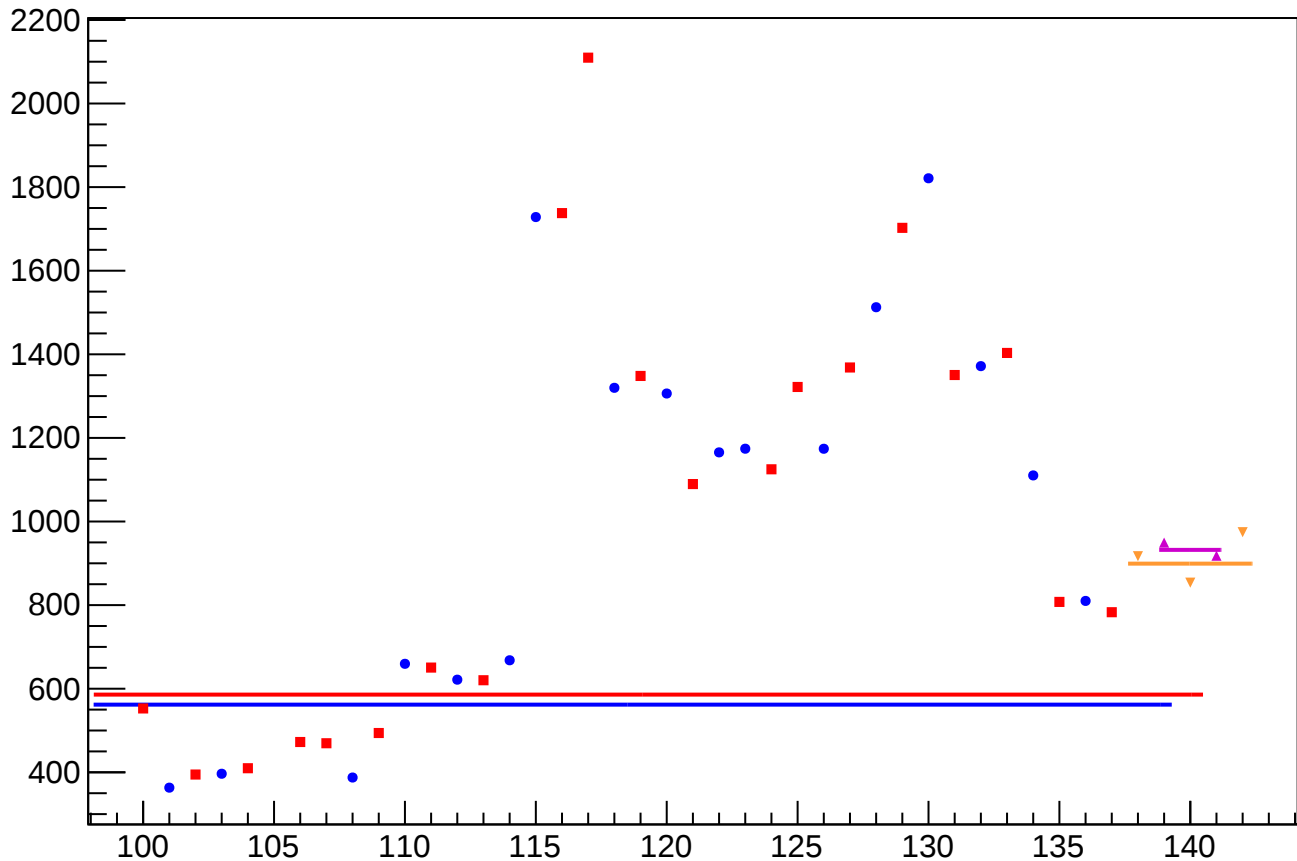
Right Out: 74.735 $\pm$ 246.011 χ^2 /NDF: 21.4/19

Left In: -246.921 $\pm$ 744.559 χ^2 /NDF:0.0/1

-209.249 $\pm$ 233.398 χ^2 /NDF: 22.8/19

43.076 $\pm$ 233.590 χ^2 /NDF: 21.6/21

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 899.205+/-0.455 χ^2/NDF :10179.1/2

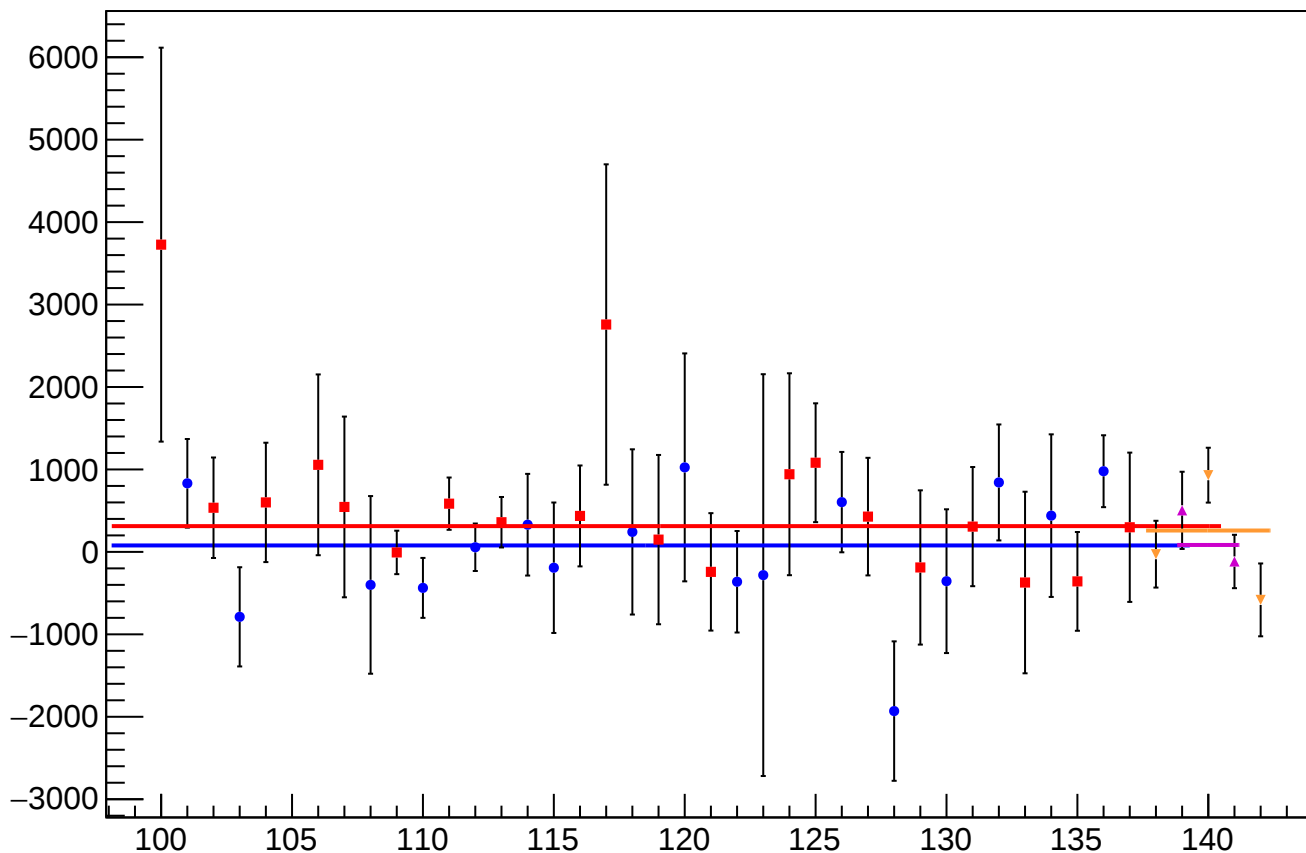
Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

Left In: 932.142+/-0.526 χ^2/NDF :877.5/1

606.228+/-0.165 χ^2/NDF : 3703706.1/19

619.971+/-0.165 χ^2/NDF : 3260524.5/21

asym_sam7_mean vs Slug



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 259.334+/-222.222 χ^2/NDF : 8.2/2

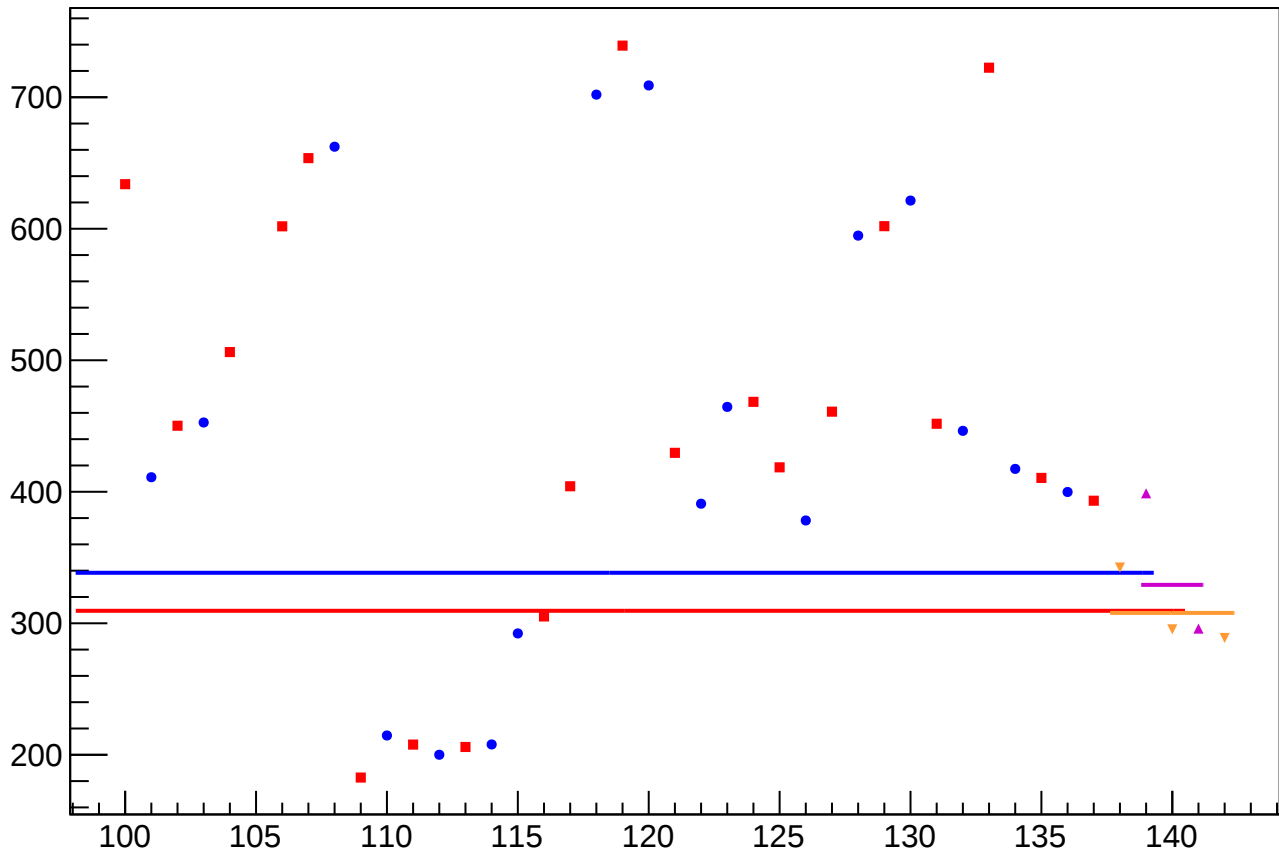
Right Out: 312.536+/-129.362 χ^2/NDF : 10.7/19

Left In: 84.007+/-266.271 χ^2/NDF : 1.2/1

131.162+/-120.176 χ^2/NDF : 28.4/19

268.897+/-116.357 χ^2/NDF : 12.5/21

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 307.883 $\pm$ 0.157 χ^2 /NDF:21075.7/2

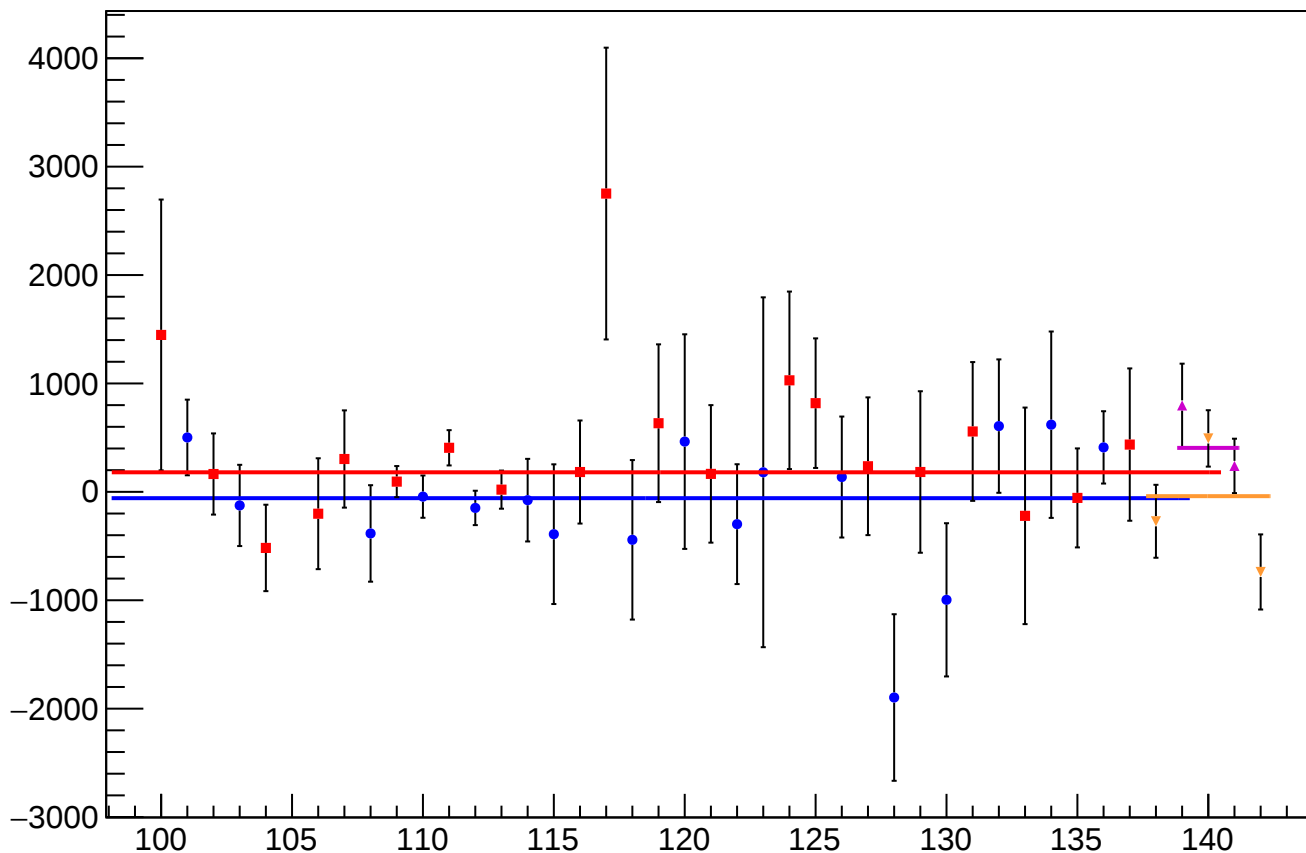
Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

Left In: 329.214 $\pm$ 0.188 χ^2 /NDF:65318.8/1

329.481 $\pm$ 0.085 χ^2 /NDF: 2057062.6/19

313.267 $\pm$ 0.082 χ^2 /NDF: 2812422.1/21

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: -39.764 ± 176.944 χ^2/NDF : 8.7/2

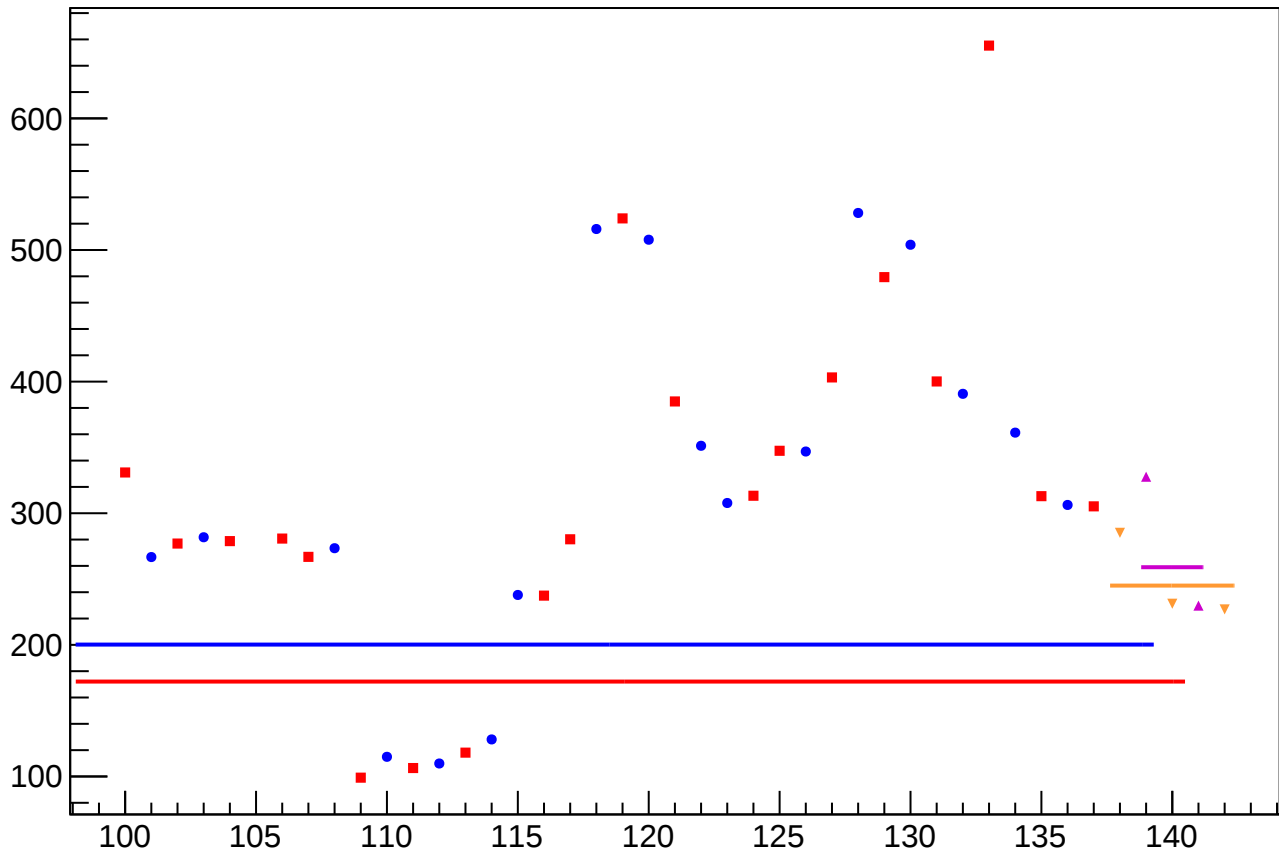
Right Out: 180.354 ± 76.795 χ^2/NDF : 15.0/19

Left In: 405.512 ± 210.290 χ^2/NDF : 1.5/1

-54.457 ± 80.562 χ^2/NDF : 24.6/19

206.848 ± 72.135 χ^2/NDF : 17.5/21

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 245.029+/-0.125 χ^2/NDF :39472.7/2

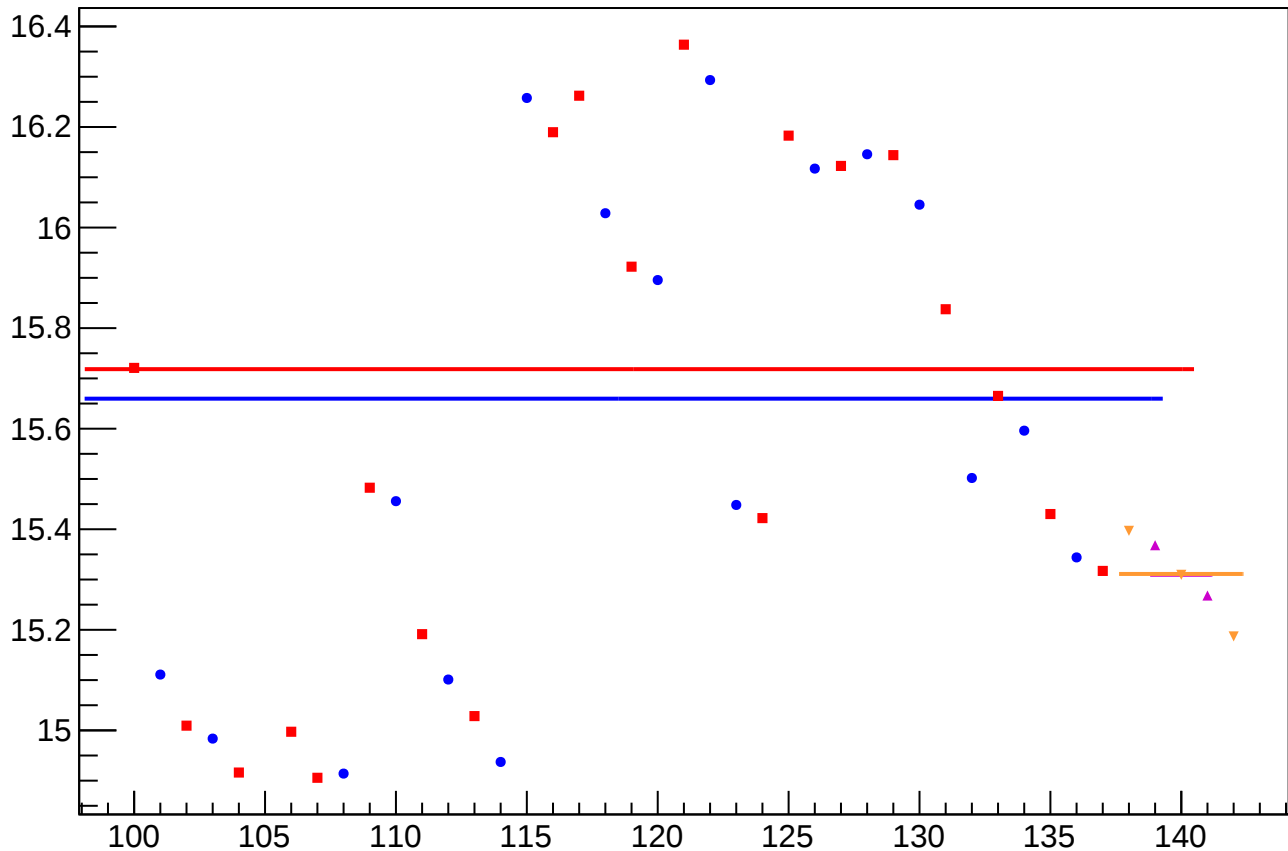
Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

Left In: 258.992+/-0.149 χ^2/NDF :90727.2/1

209.500+/-0.057 χ^2/NDF : 3528393.6/19

182.333+/-0.051 χ^2/NDF : 4498817.0/21

yield_sam1_mean vs Slug



Right In: 15.660+/-0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.311+/-0.000 χ^2/NDF :120056797.1/2

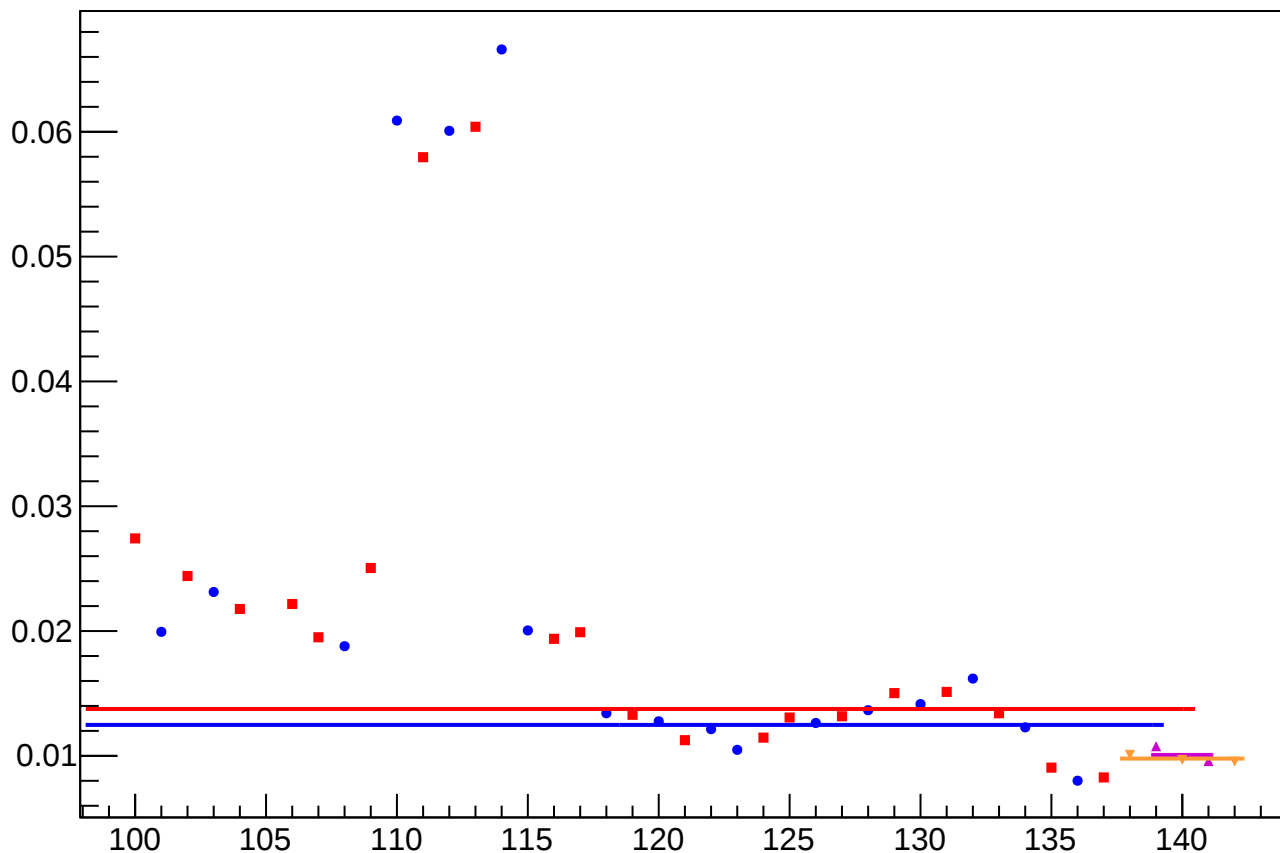
15.532+/-0.000 χ^2/NDF : 7381529008.7/19

Right Out: 15.718+/-0.000 χ^2/NDF : 5490626945.9/19

15.581+/-0.000 χ^2/NDF : 7159474225.9/21

Left In: 15.309+/-0.000 χ^2/NDF :35749005.9/1

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:1922.2/2

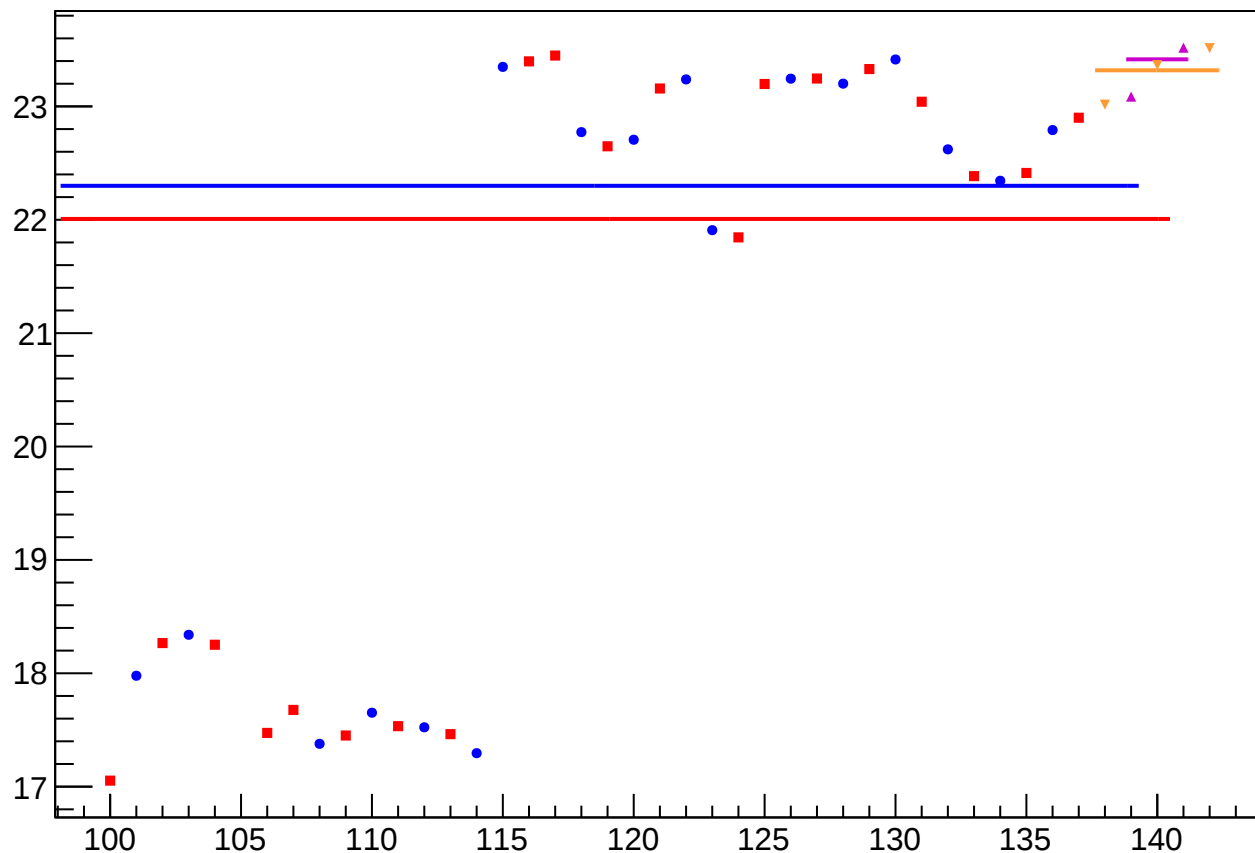
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:10102.9/1

0.011 $\pm$ 0.000 χ^2 /NDF: 2332062.6/19

0.013 $\pm$ 0.000 χ^2 /NDF: 2359718.7/21

yield_sam2_mean vs Slug



Right In: 22.300 ± 0.000 χ^2/NDF : 938398636.8/16

Left Out: 23.318 ± 0.000 χ^2/NDF : 4455319.6/2

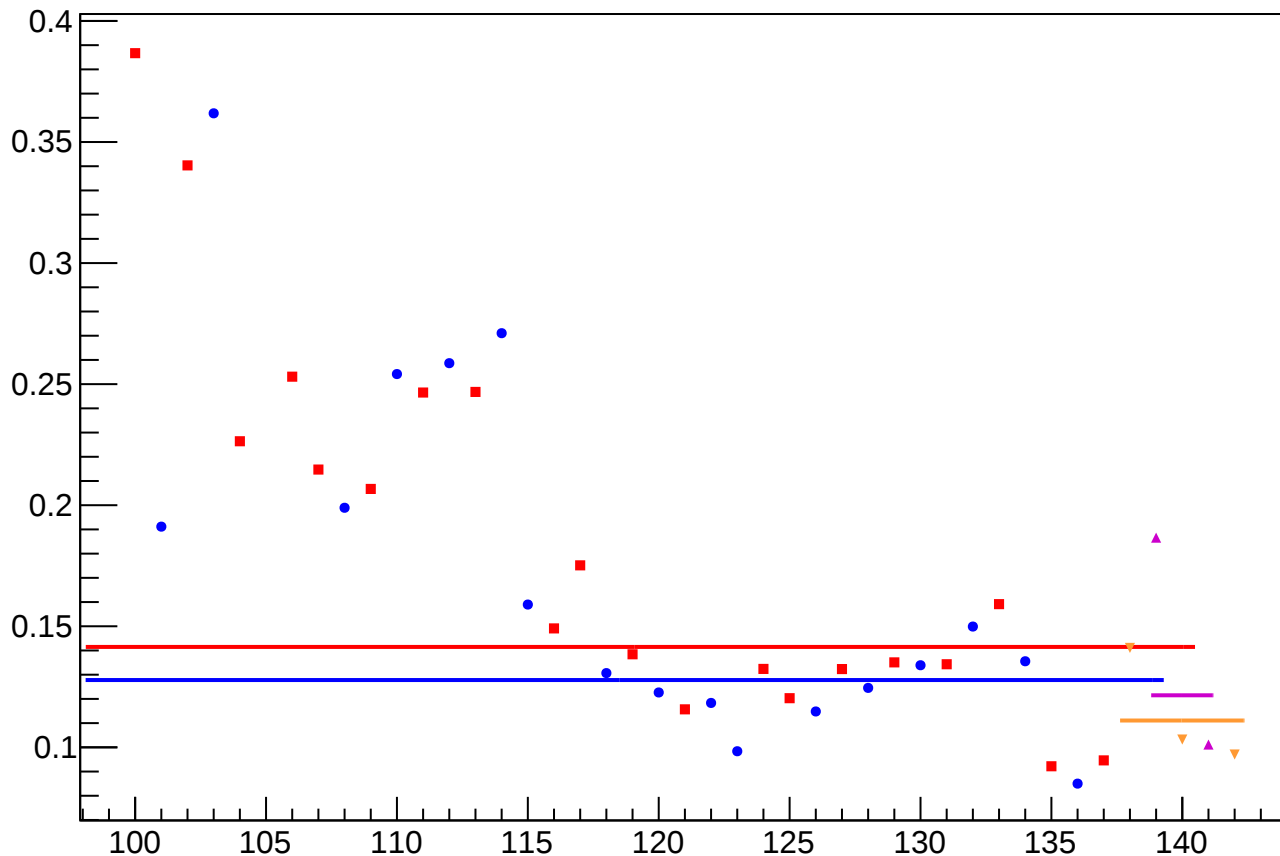
Right Out: 22.007 ± 0.000 χ^2/NDF : 1068683102.9/19

Left In: 23.415 ± 0.000 χ^2/NDF : 2936316.4/1

22.595 ± 0.000 χ^2/NDF : 1035982637.3/19

22.344 ± 0.000 χ^2/NDF : 1202795782.4/21

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.111+/-0.000 χ^2/NDF : 79268.6/2

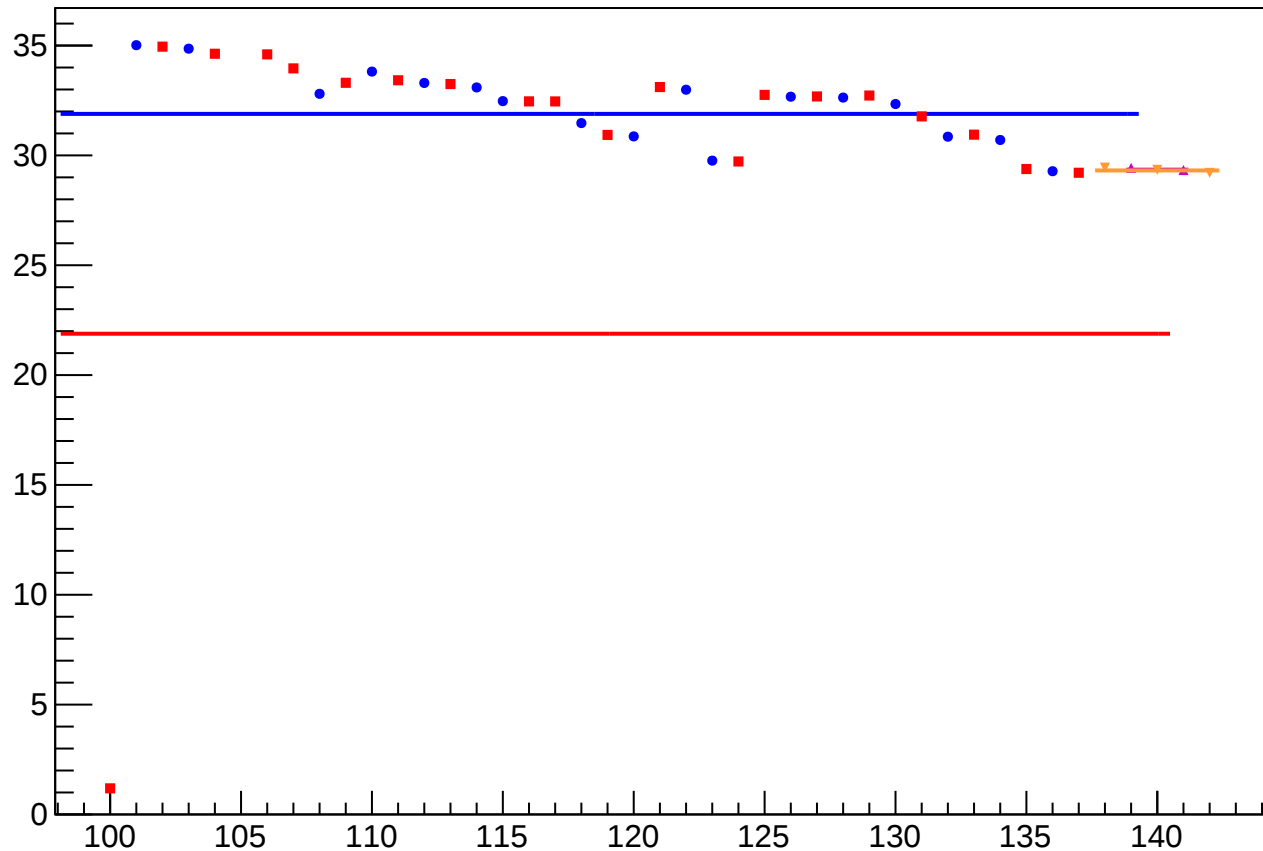
Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

Left In: 0.121+/-0.000 χ^2/NDF : 230346.6/1

0.123+/-0.000 χ^2/NDF : 1621525.1/19

0.137+/-0.000 χ^2/NDF : 1735330.8/21

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 29.315+/-0.000 χ^2/NDF : 1891129.4/2

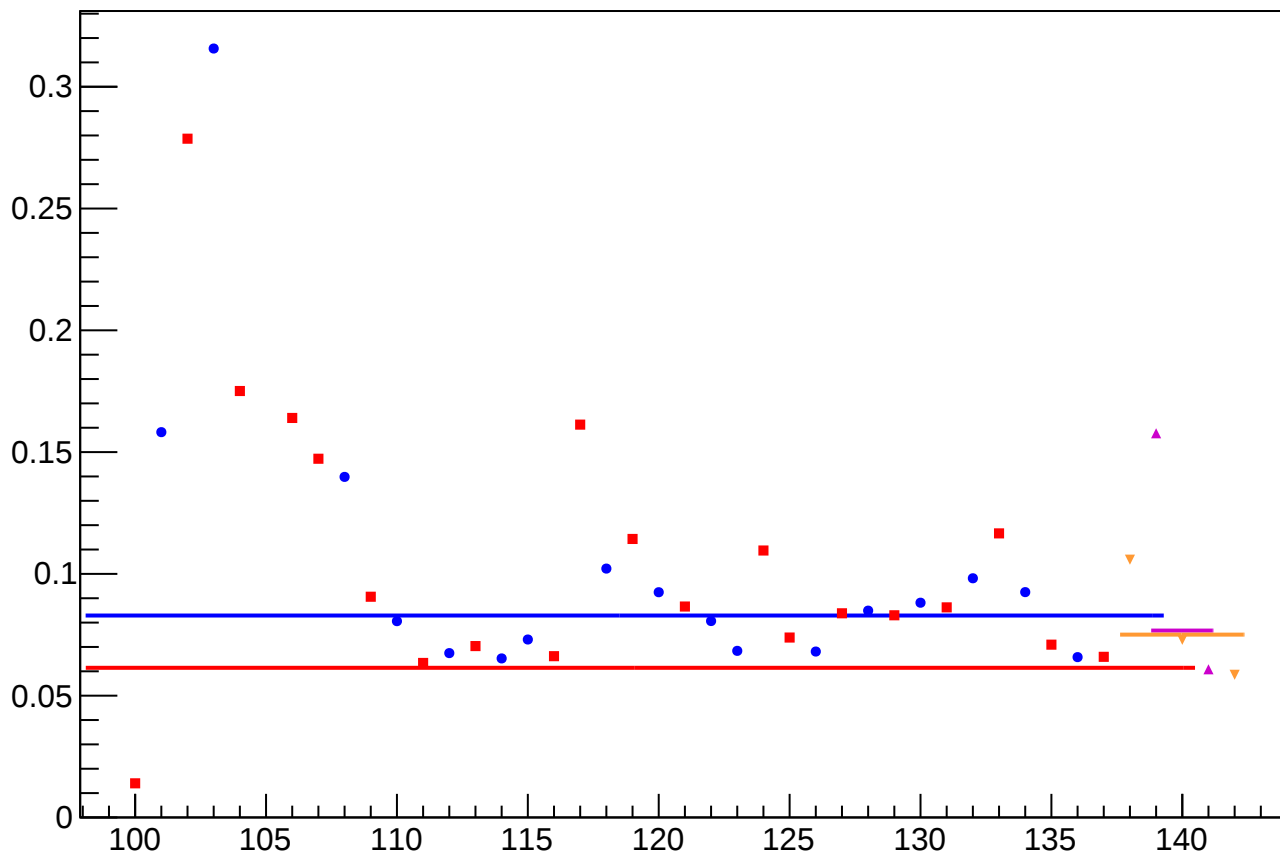
31.264+/-0.000 χ^2/NDF : 3079288389.3/19

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

22.939+/-0.000 χ^2/NDF : 238656866202.1/21

Left In: 29.350+/-0.000 χ^2/NDF : 232376.5/1

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.075+/-0.000 χ^2/NDF :139945.8/2

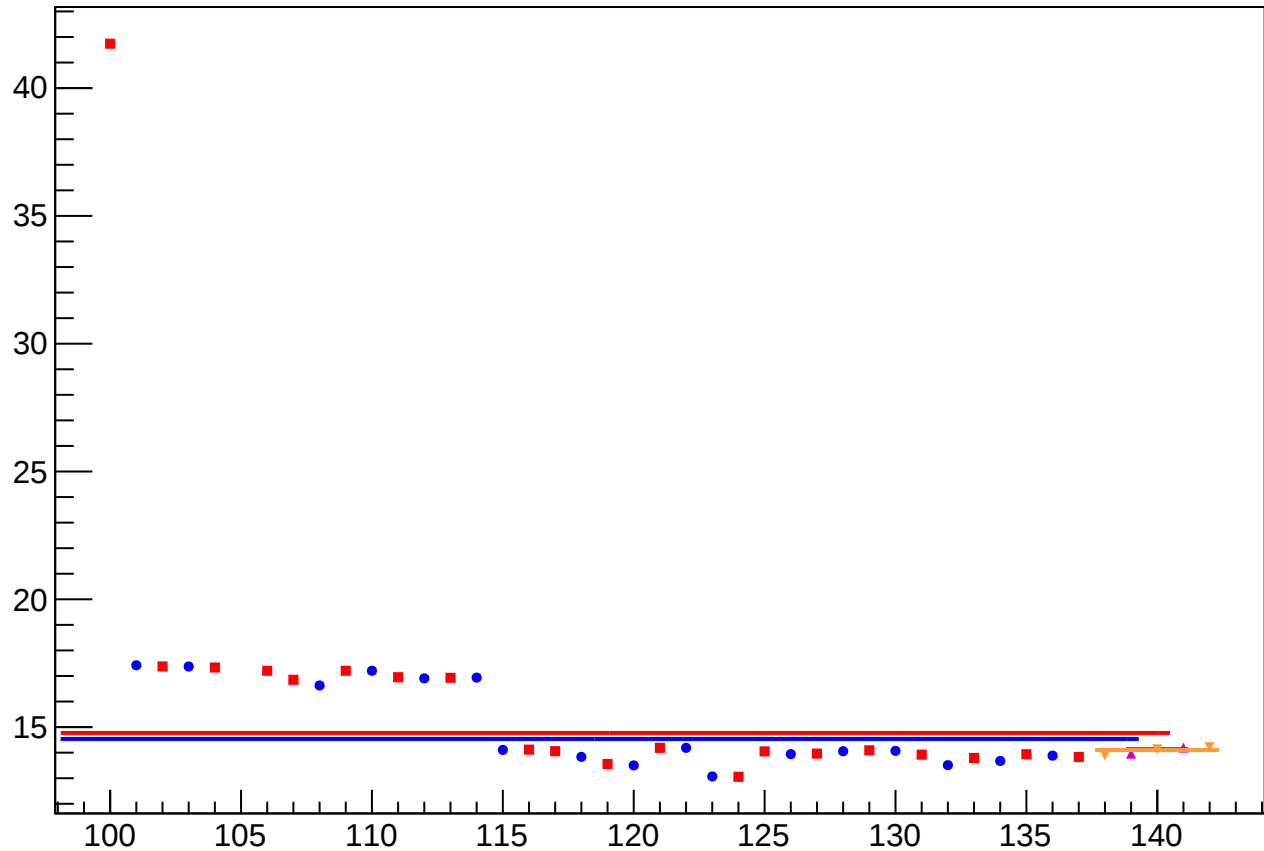
Right Out: 0.061+/-0.000 χ^2/NDF : 3635656.2/19

Left In: 0.077+/-0.000 χ^2/NDF :452252.0/1

0.081+/-0.000 χ^2/NDF : 1325690.4/19

0.064+/-0.000 χ^2/NDF : 4158366.0/21

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

14.436+/-0.000 χ^2/NDF : 1511266598.9/19

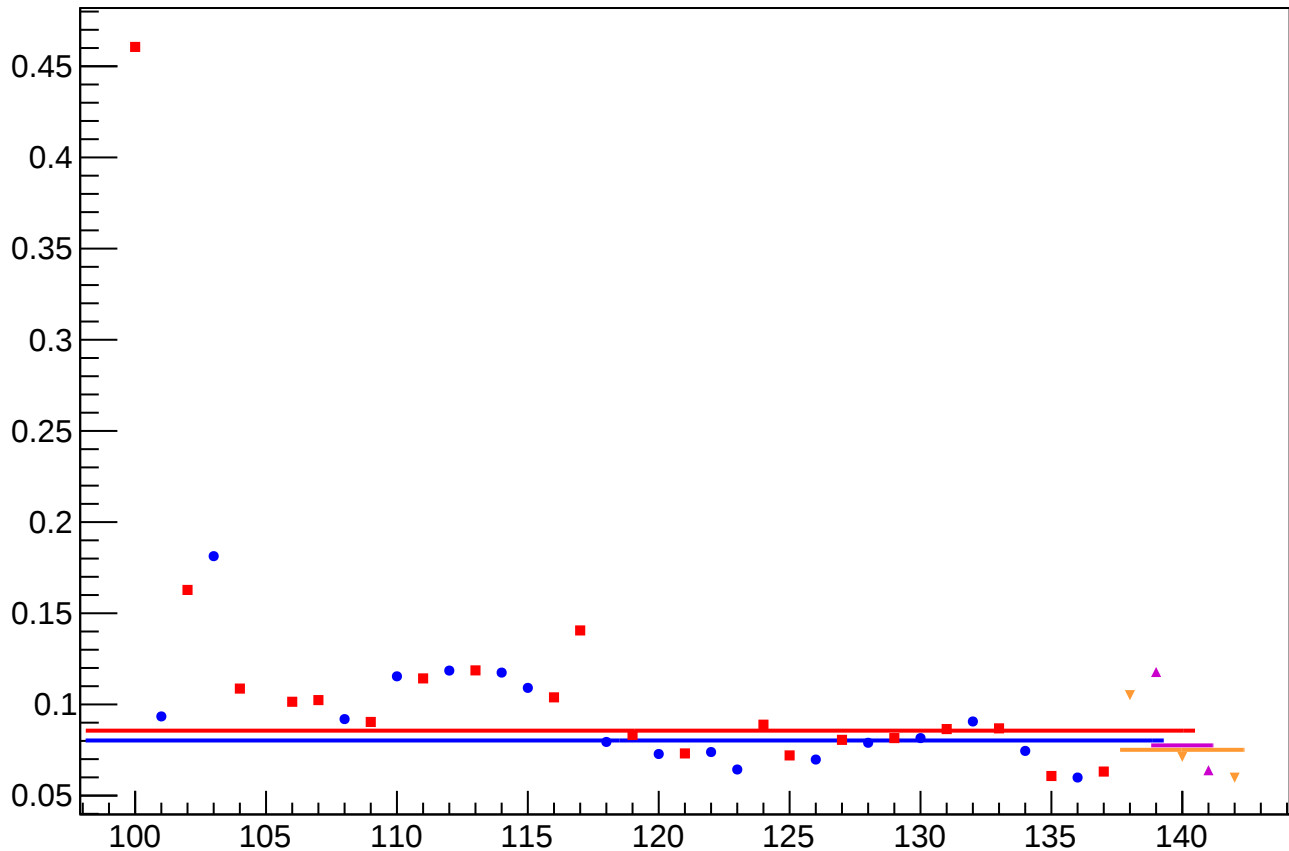
Left Out: 14.102+/-0.000 χ^2/NDF : 3774963.4/2

Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

14.645+/-0.000 χ^2/NDF : 1954409909.9/21

Left In: 14.139+/-0.000 χ^2/NDF : 2122341.4/1

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.075+/-0.000 χ^2/NDF : 147915.6/2

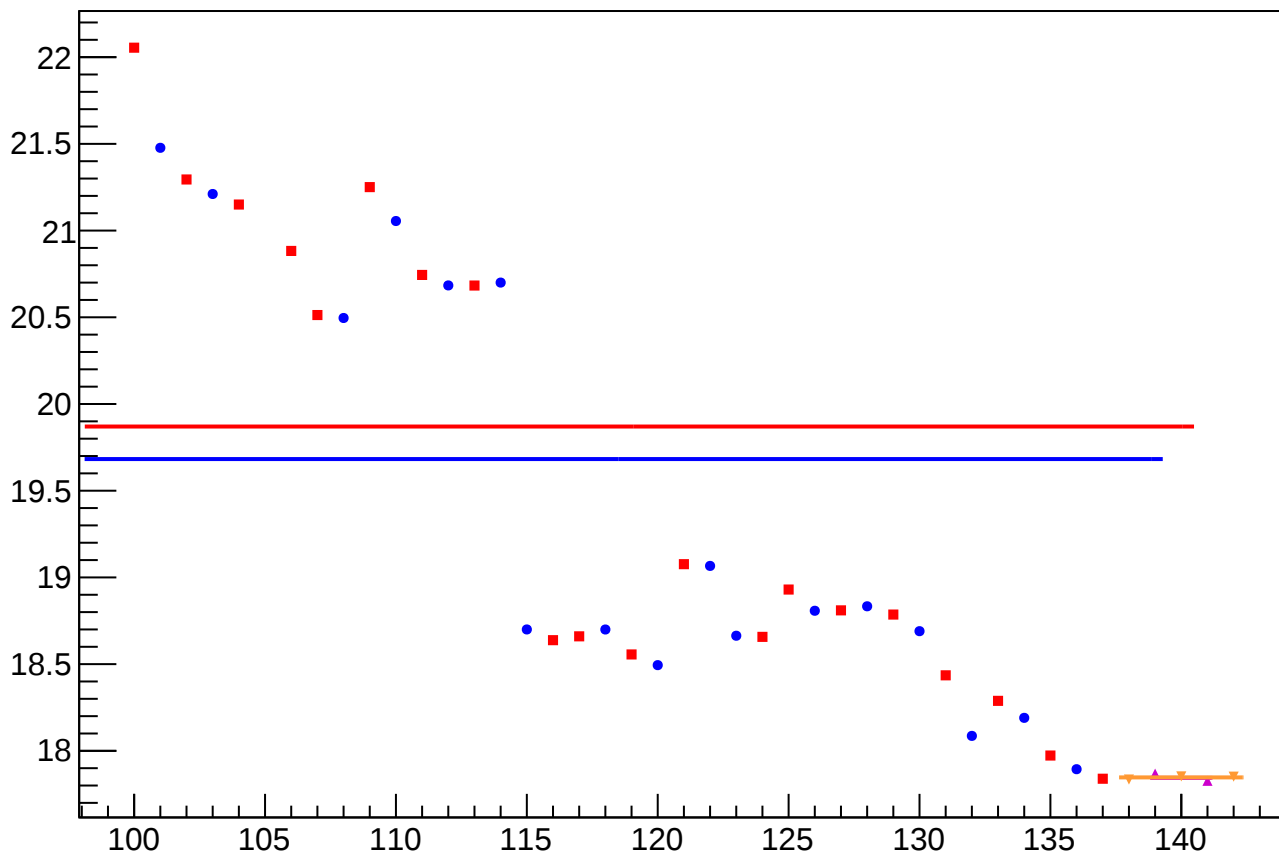
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.078+/-0.000 χ^2/NDF : 220824.9/1

0.079+/-0.000 χ^2/NDF : 936968.2/19

0.084+/-0.000 χ^2/NDF : 992167.5/21

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.847+/-0.000 χ^2/NDF : 104105.8/2

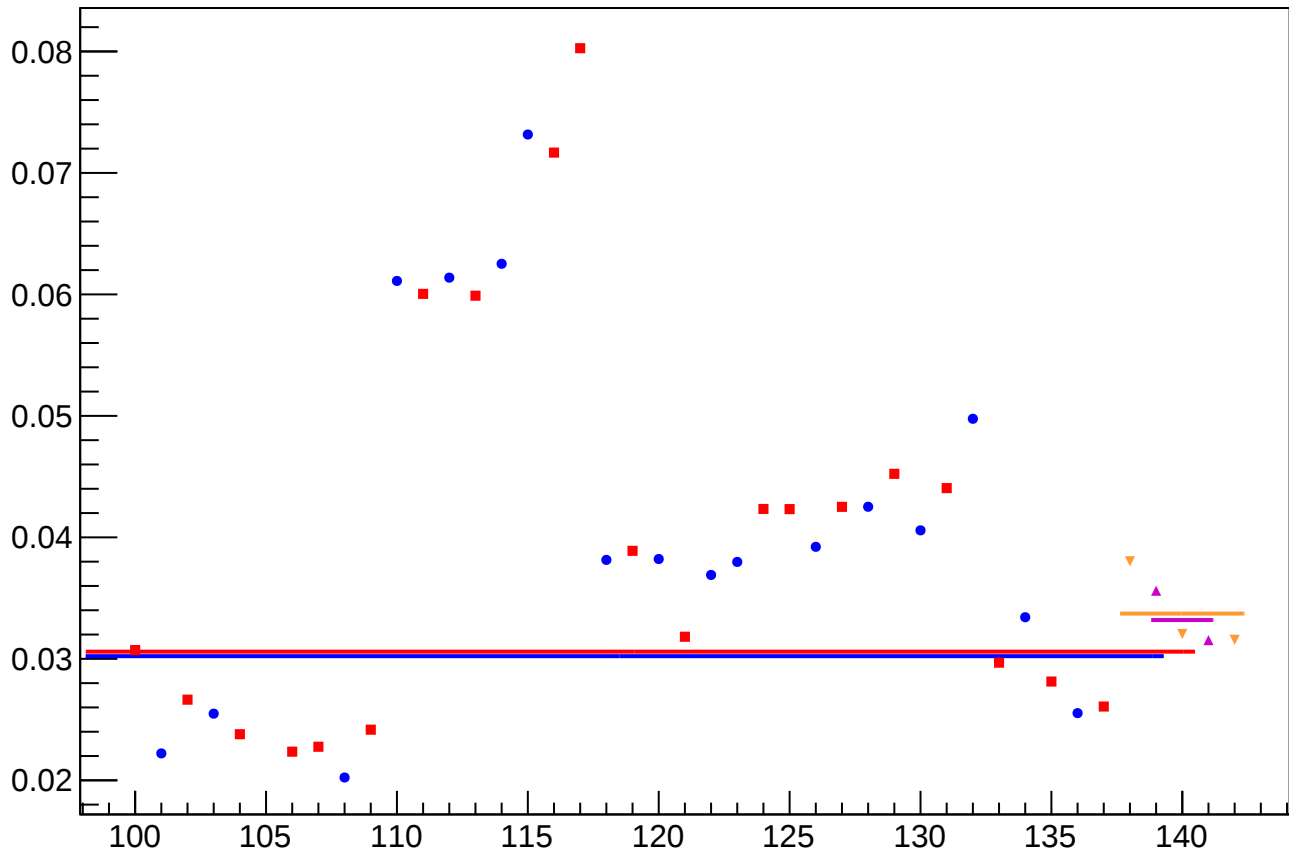
Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

Left In: 17.844+/-0.000 χ^2/NDF : 557980.4/1

19.301+/-0.000 χ^2/NDF : 16556907741.5/19

19.513+/-0.000 χ^2/NDF : 15913985977.4/21

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.034+/-0.000 χ^2/NDF : 25729.9/2

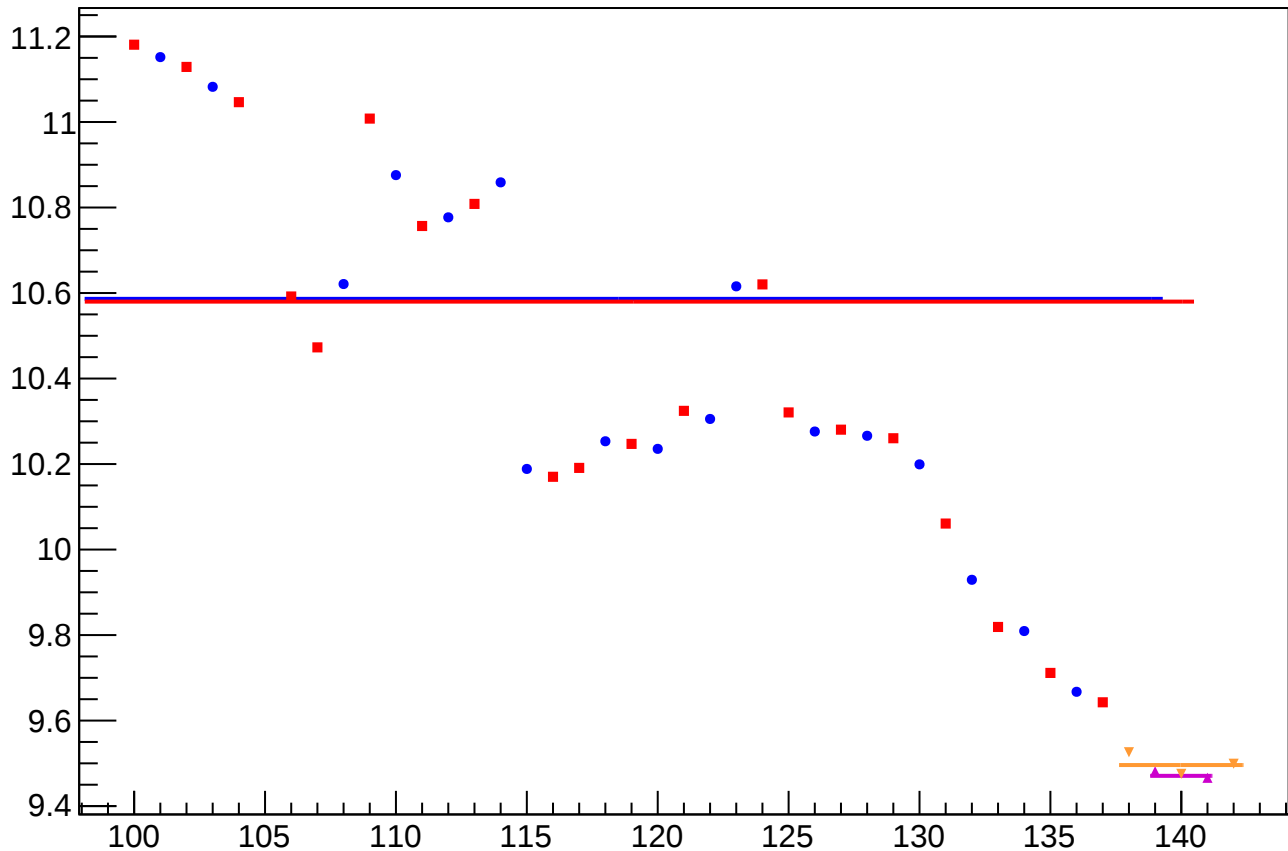
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.033+/-0.000 χ^2/NDF : 10819.0/1

0.031+/-0.000 χ^2/NDF : 1381472.5/19

0.031+/-0.000 χ^2/NDF : 1245162.6/21

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.496 $\pm$ 0.000 χ^2 /NDF: 2183652.7/2

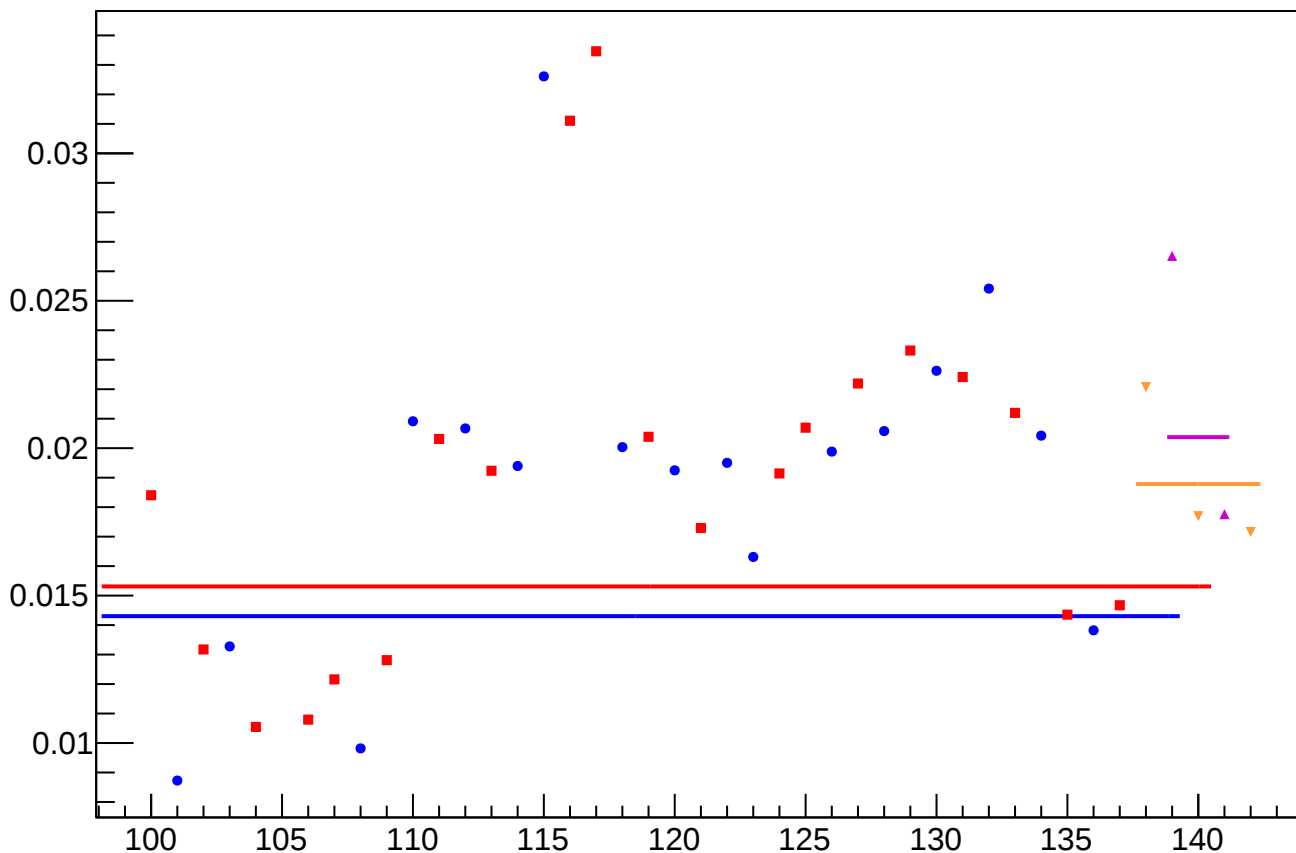
10.414 $\pm$ 0.000 χ^2 /NDF: 12324201304.7/19

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

10.448 $\pm$ 0.000 χ^2 /NDF: 9482172200.4/21

Left In: 9.471 $\pm$ 0.000 χ^2 /NDF: 167571.3/1

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 41999.5/2

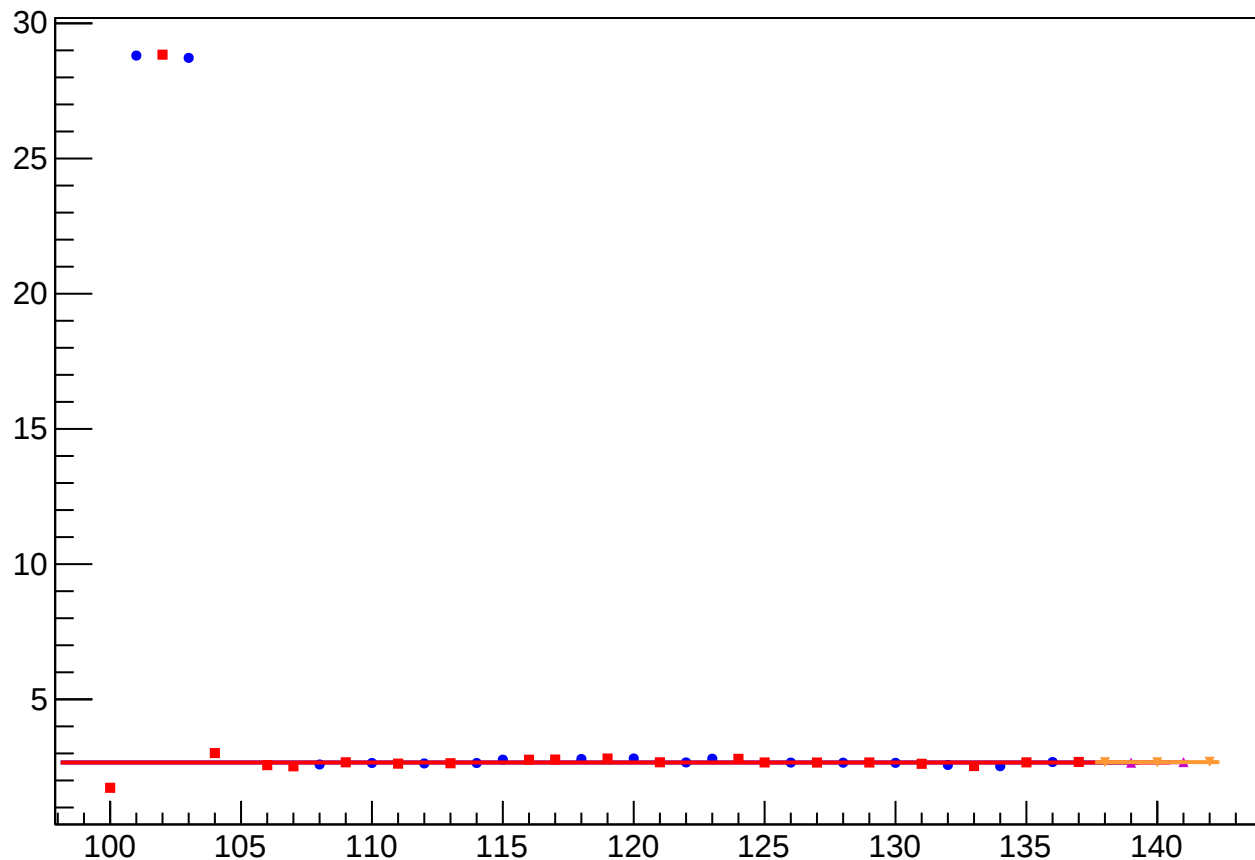
Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

Left In: 0.020+/-0.000 χ^2/NDF : 110056.6/1

0.015+/-0.000 χ^2/NDF : 1615589.4/19

0.016+/-0.000 χ^2/NDF : 1276319.0/21

yield_sam7_mean vs Slug



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.679+/-0.000 χ^2/NDF : 16416586.8/2

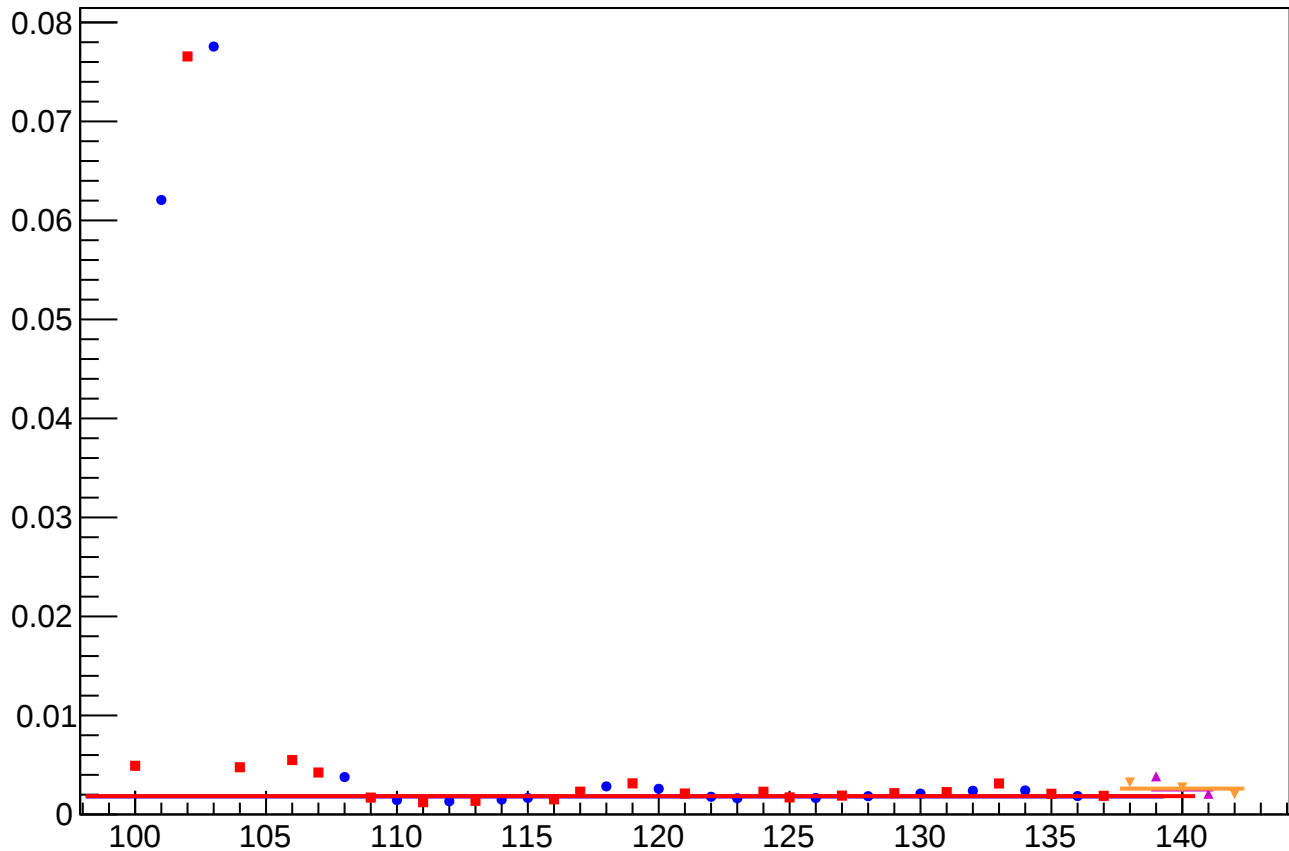
Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.676+/-0.000 χ^2/NDF : 18167006.6/1

2.668+/-0.000 χ^2/NDF : 163214137891.7/19

2.665+/-0.000 χ^2/NDF : 70524480123.1/21

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.003+/-0.000 χ^2/NDF :100050.9/2

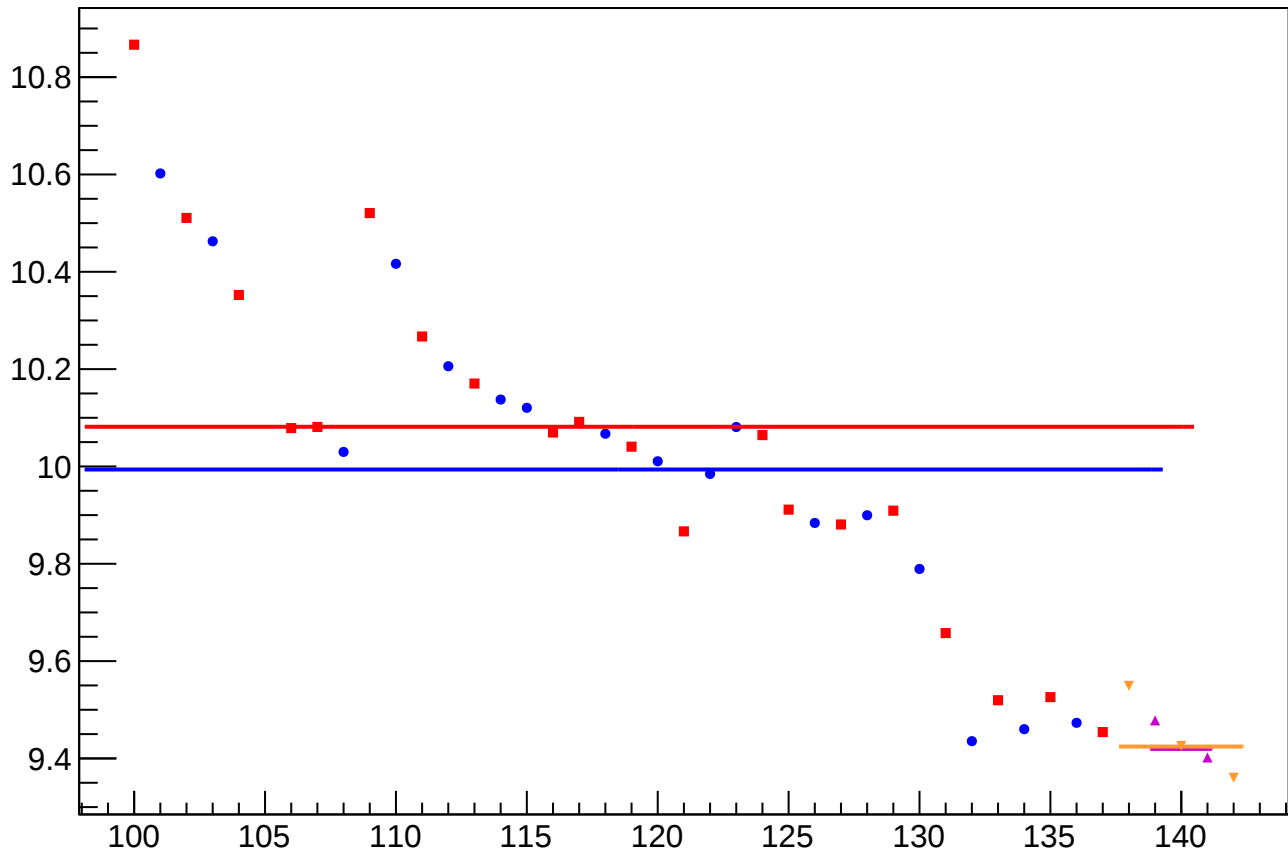
Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

Left In: 0.003+/-0.000 χ^2/NDF :221410.4/1

0.002+/-0.000 χ^2/NDF : 2997875.9/19

0.002+/-0.000 χ^2/NDF : 2708175.8/21

yield_sam8_mean vs Slug



Right In: 9.994 ± 0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.424 ± 0.000 χ^2/NDF : 128064089.9/2

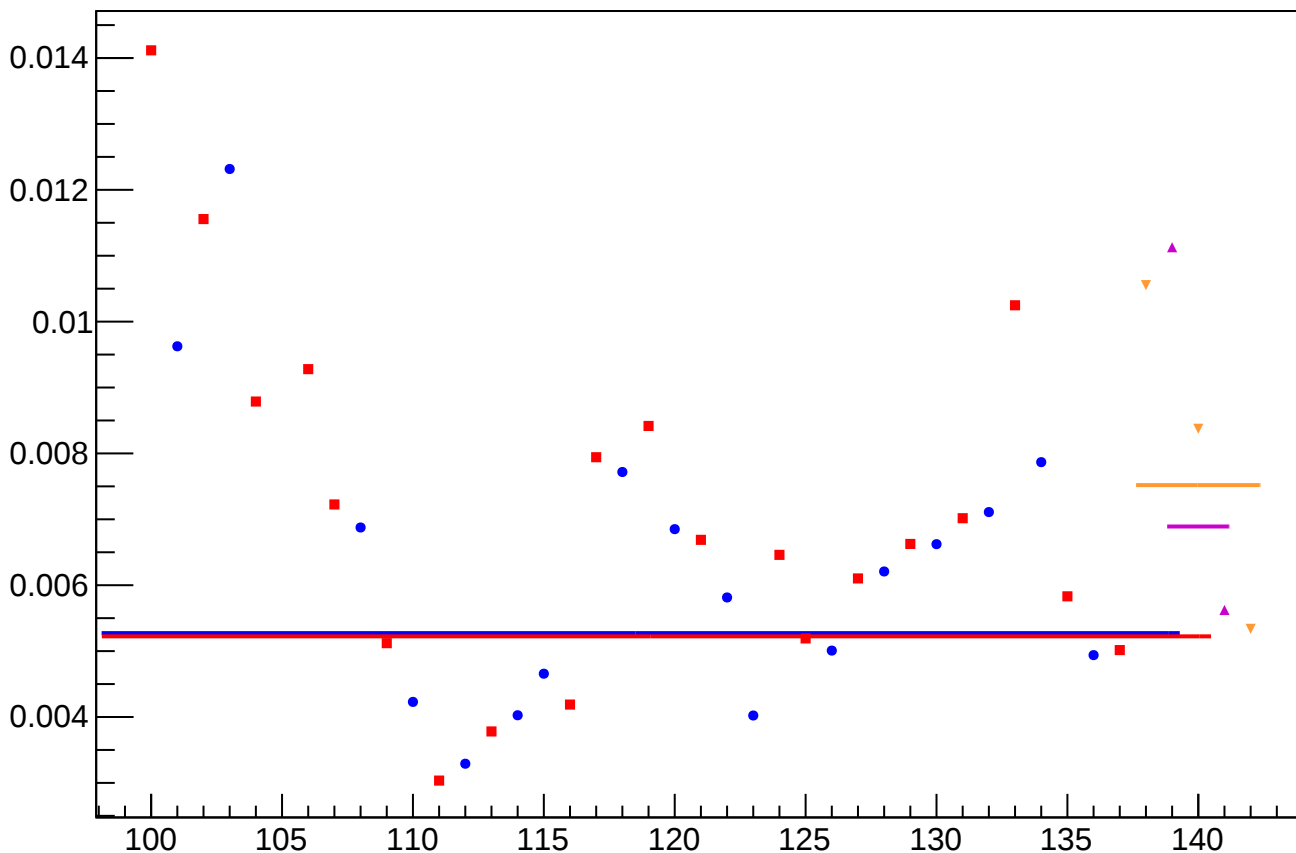
9.927 ± 0.000 χ^2/NDF : 25829390643.6/19

Right Out: 10.082 ± 0.000 χ^2/NDF : 15502760782.3/19

10.009 ± 0.000 χ^2/NDF : 24836211704.2/21

Left In: 9.420 ± 0.000 χ^2/NDF : 24546410.1/1

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.008+/-0.000 χ^2/NDF :212758.6/2

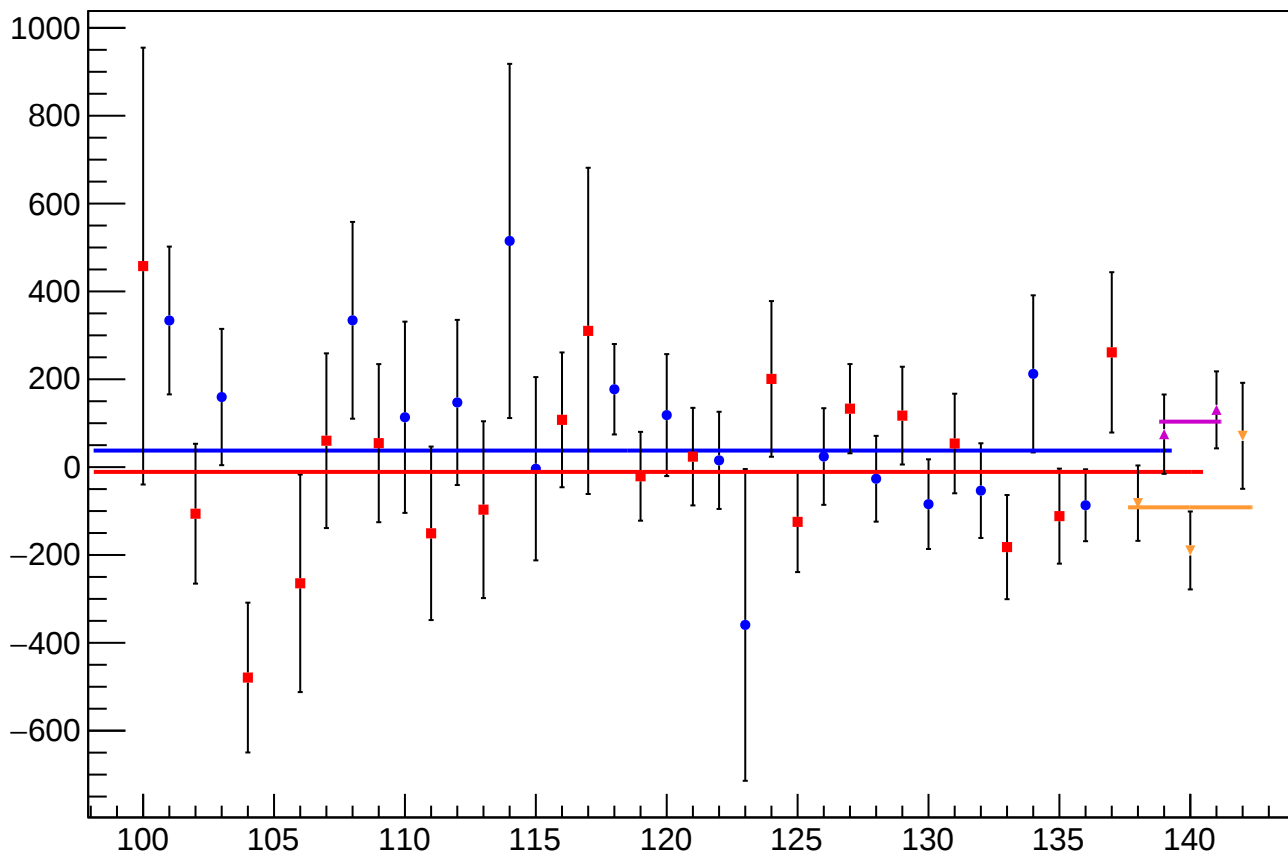
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.007+/-0.000 χ^2/NDF :256320.9/1

0.006+/-0.000 χ^2/NDF : 1672690.1/19

0.005+/-0.000 χ^2/NDF : 2041901.5/21

reg_asym_sam1_mean vs Slug



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -91.513 $\pm$ 54.926 χ^2 /NDF: 3.1/2

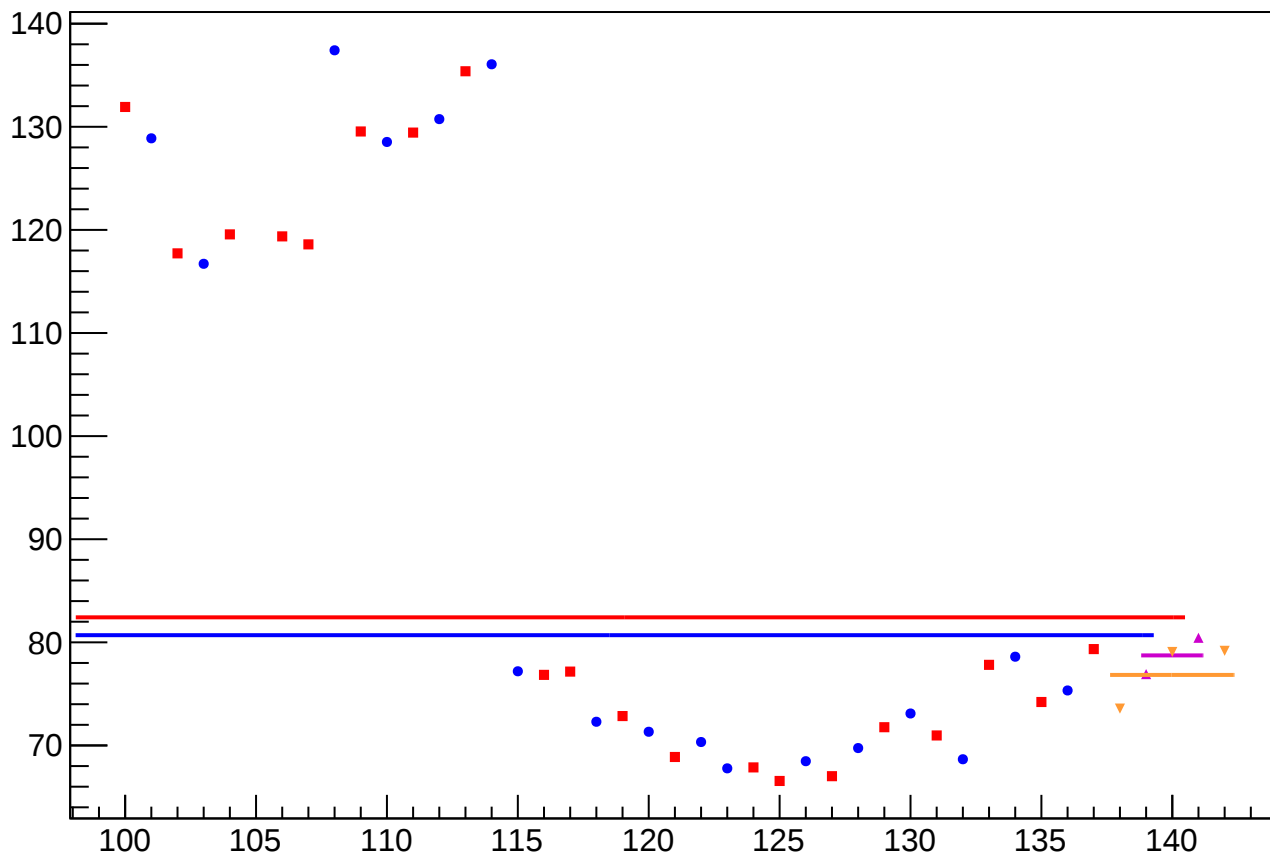
Right Out: -10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

Left In: 103.522 $\pm$ 62.898 χ^2 /NDF: 0.2/1

4.564 $\pm$ 27.813 χ^2 /NDF: 23.9/19

12.578 $\pm$ 28.484 χ^2 /NDF: 26.3/21

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 76.840 $\pm$ 0.039 χ^2 /NDF:4904.3/2

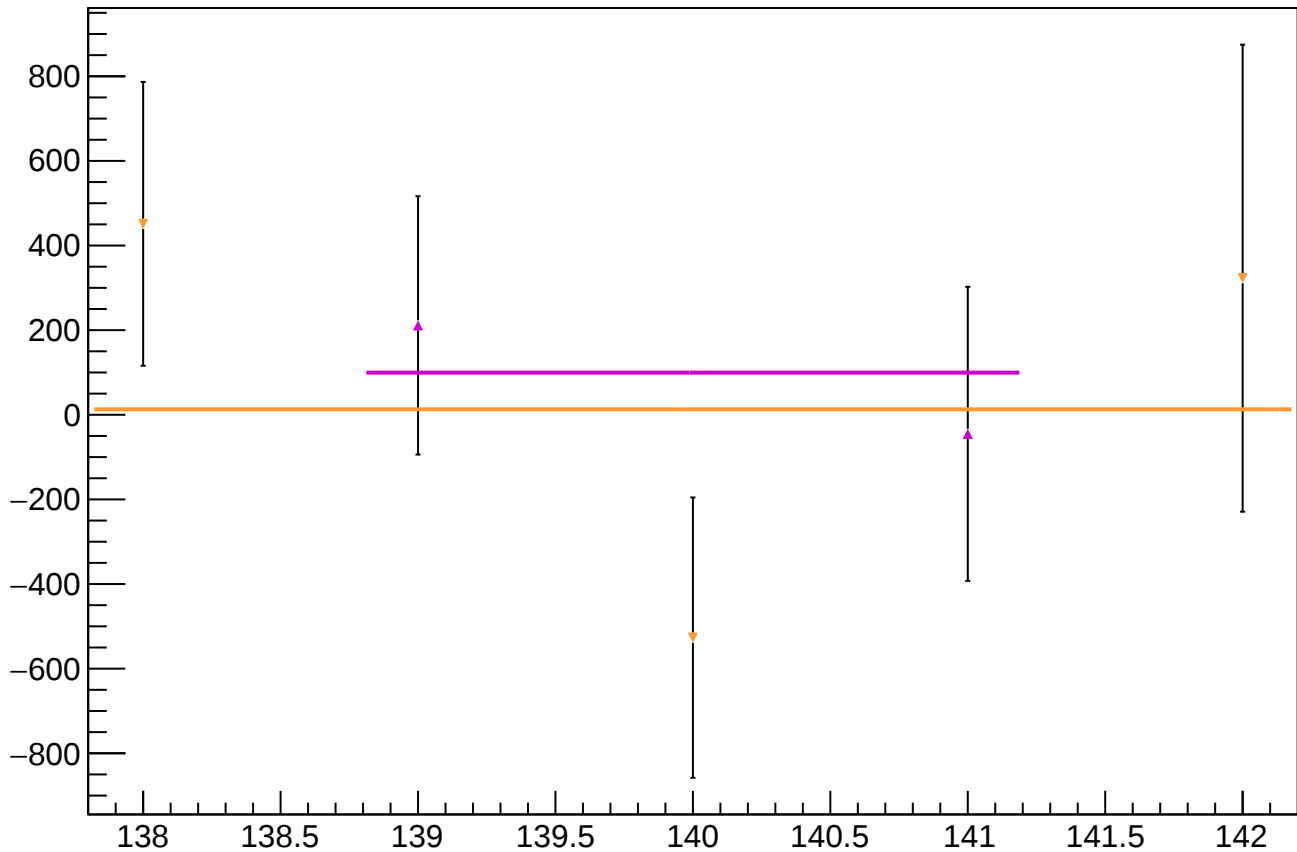
Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

Left In: 78.733 $\pm$ 0.044 χ^2 /NDF:1567.0/1

79.706 $\pm$ 0.020 χ^2 /NDF: 826254.0/19

81.667 $\pm$ 0.020 χ^2 /NDF: 922325.3/21

asym_sam1_correction_mean vs Slug



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

Left Out: 12.849+/-216.748 χ^2/NDF : 4.7/2

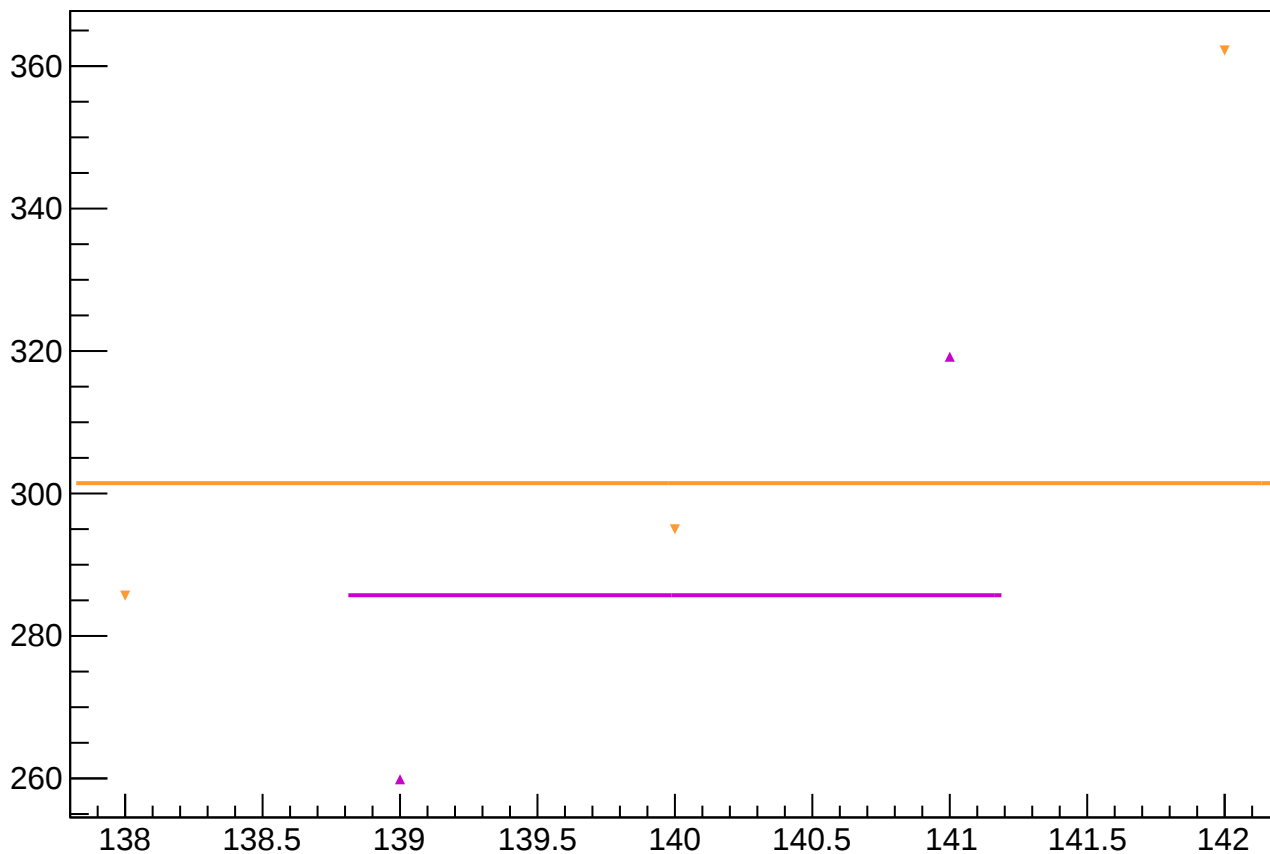
12.849+/-216.748 χ^2/NDF : 4.7/2

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

99.648+/-229.372 χ^2/NDF : 0.3/1

Left In: 99.648+/-229.372 χ^2/NDF : 0.3/1

asym_sam1_correction_rms vs Slug



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

Left Out: 301.452+/-0.153 χ^2/NDF : 29428.6/2

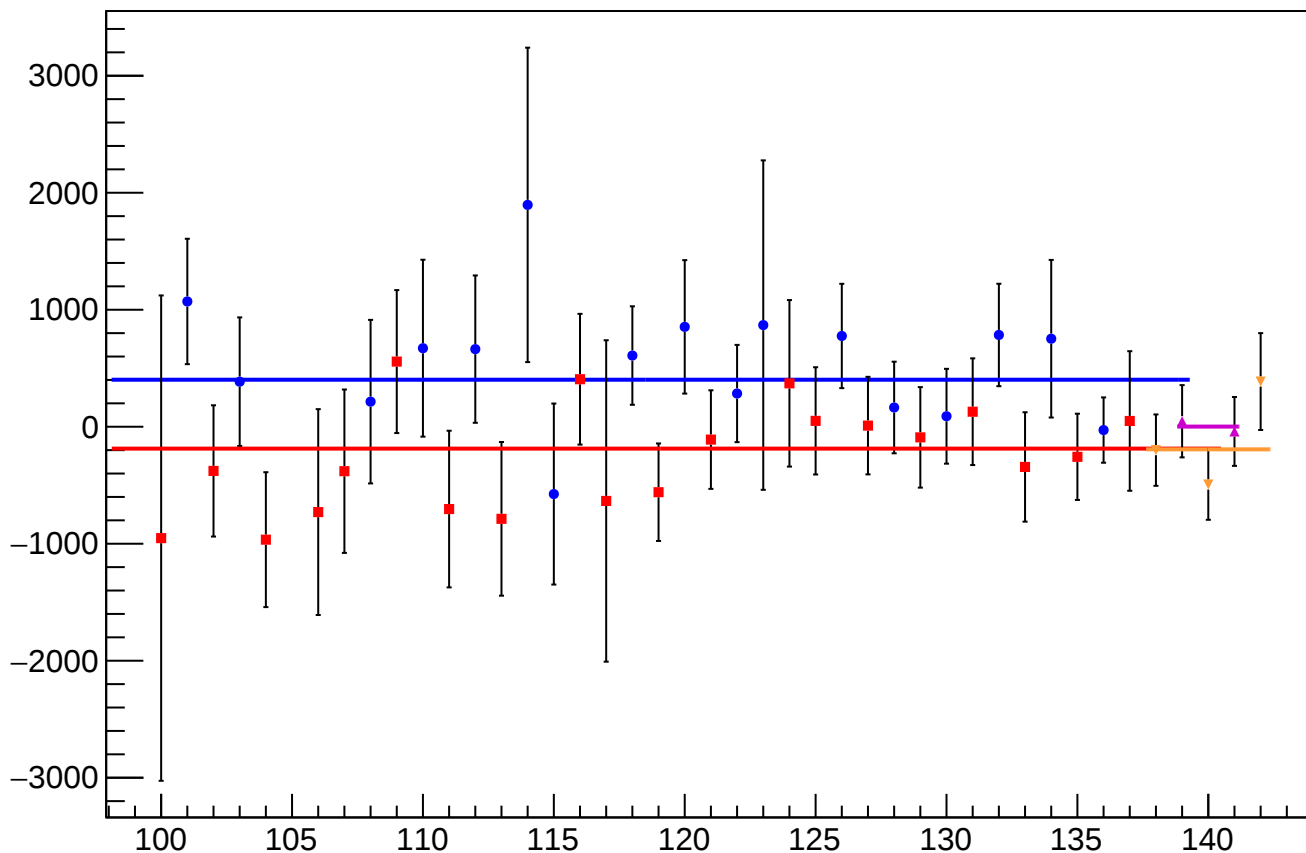
301.452+/-0.153 χ^2/NDF : 29428.6/2

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

285.717+/-0.162 χ^2/NDF : 32889.4/1

Left In: 285.717+/-0.162 χ^2/NDF : 32889.4/1

reg_asym_sam2_mean vs Slug



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -193.212+/-190.400 χ^2/NDF : 3.0/2

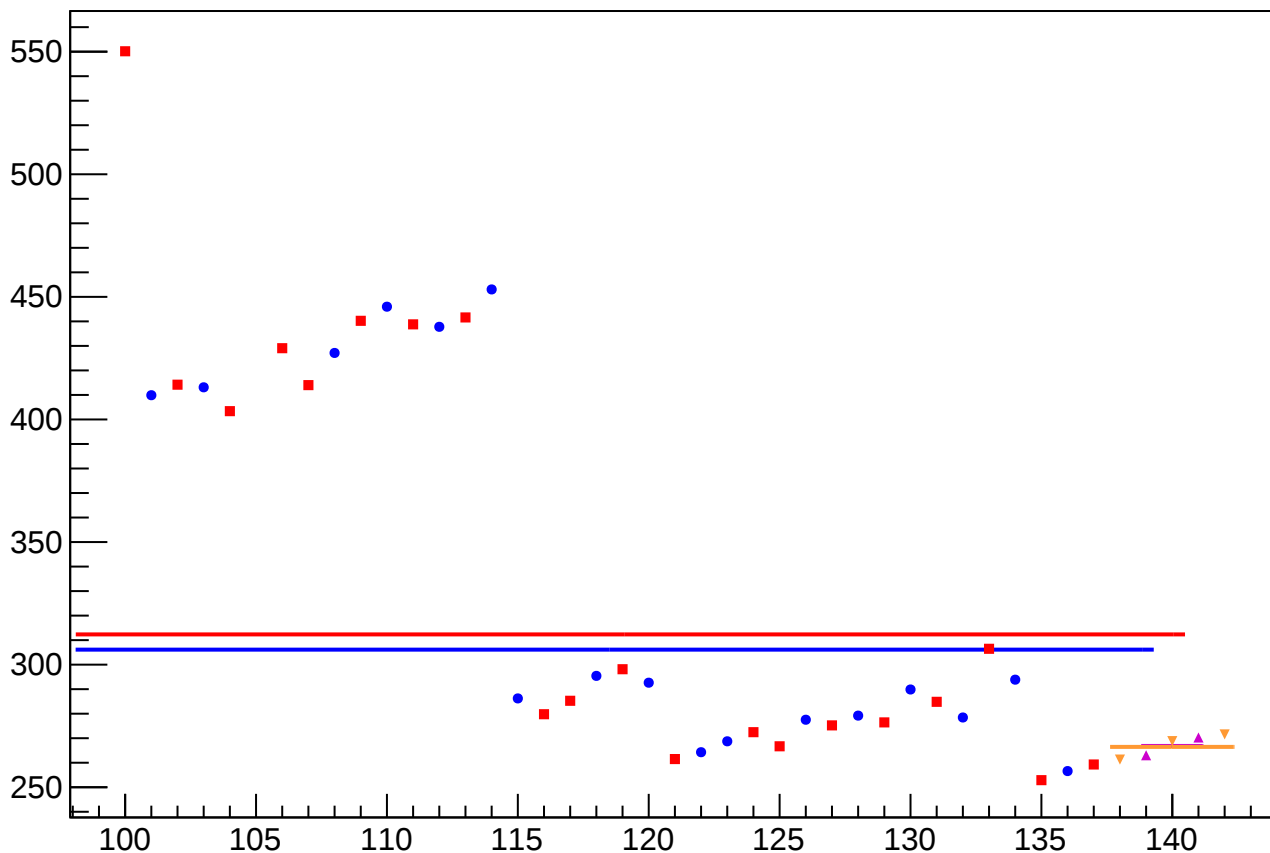
Right Out: -186.914+/-119.879 χ^2/NDF : 9.4/19

Left In: 1.329+/-213.066 χ^2/NDF : 0.0/1

230.581+/-102.151 χ^2/NDF : 20.8/19

-141.652+/-104.477 χ^2/NDF : 10.1/21

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 266.459+/-0.135 χ^2/NDF : 998.8/2

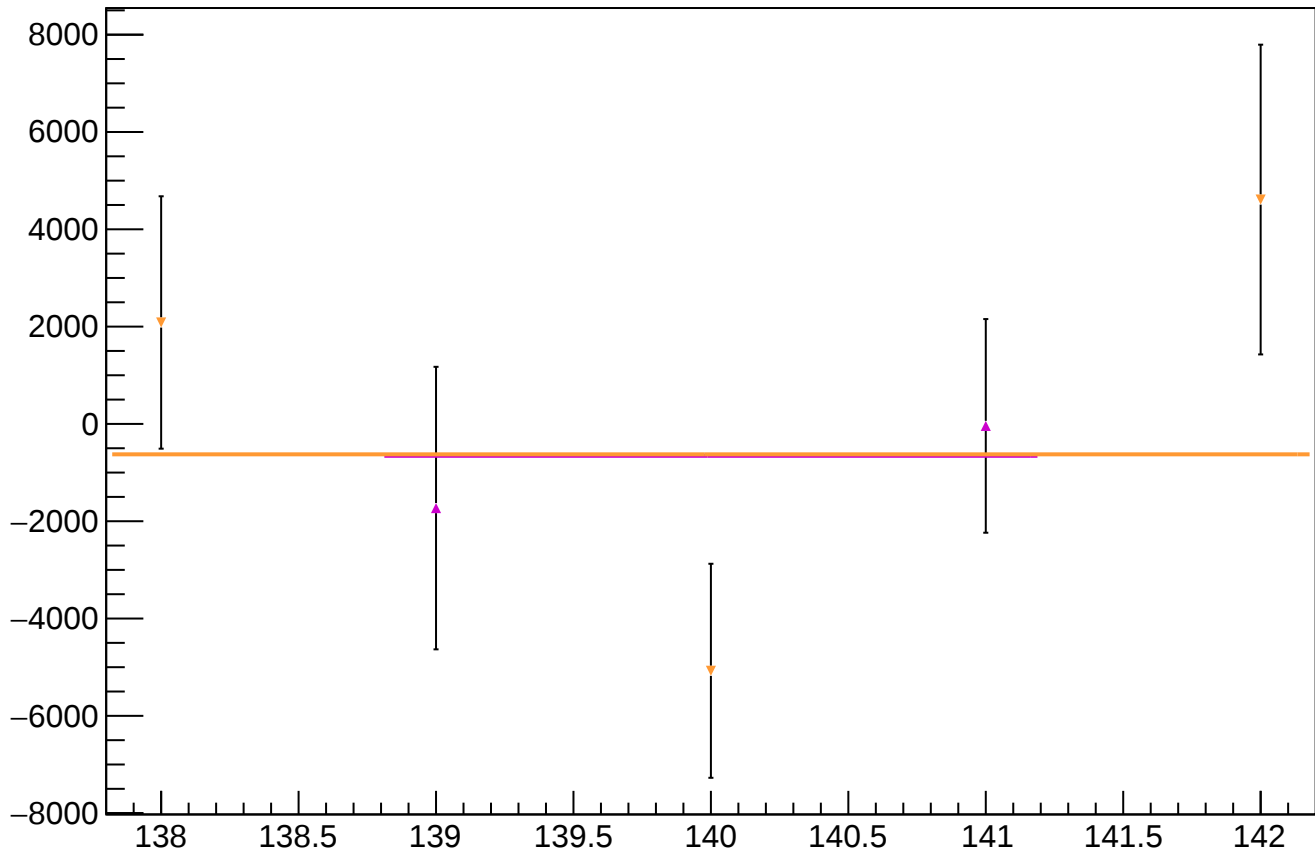
Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

Left In: 266.840+/-0.151 χ^2/NDF : 576.4/1

294.706+/-0.072 χ^2/NDF : 571248.6/19

301.396+/-0.074 χ^2/NDF : 696389.4/21

asym_sam2_correction_mean vs Slug



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

Left Out: -625.091+/-1484.061 χ^2/NDF : 7.9/2

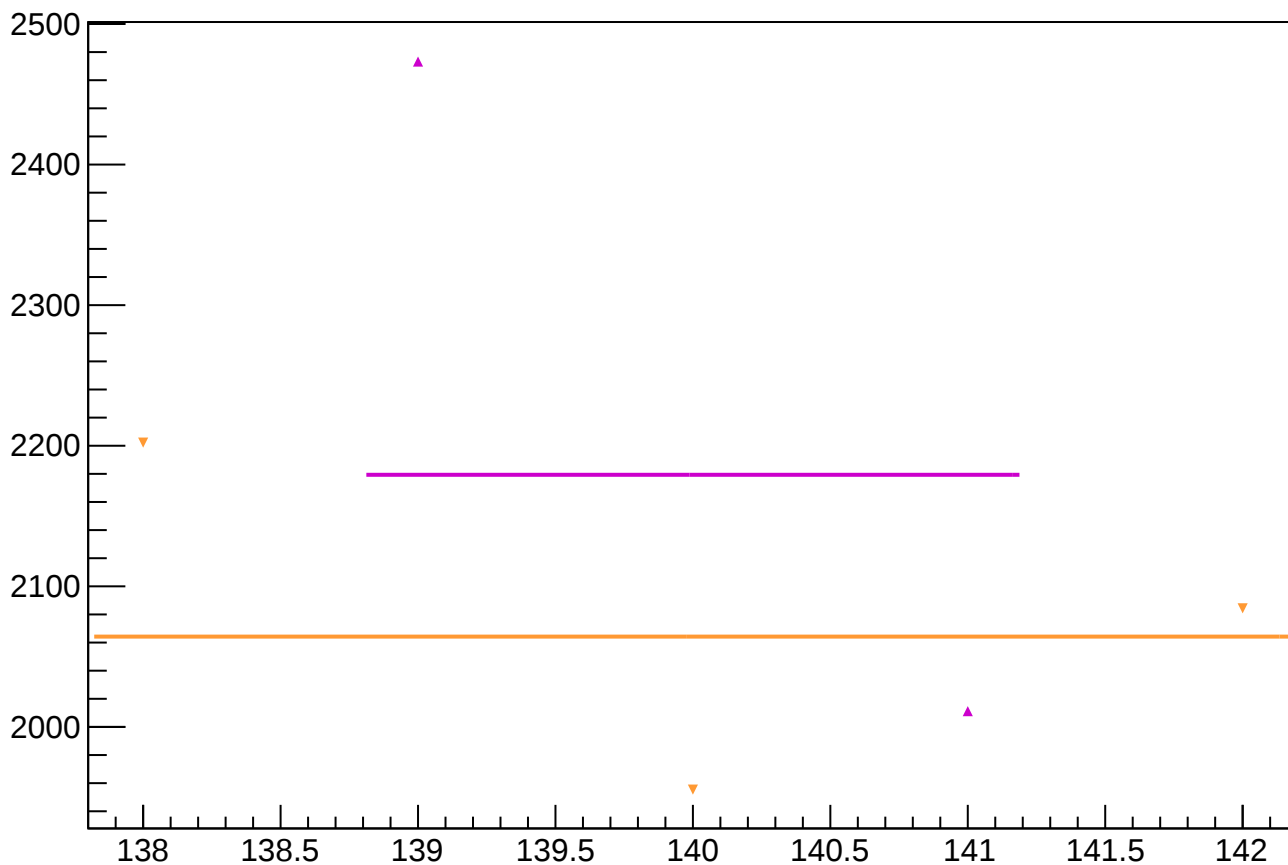
-625.091+/-1484.061 χ^2/NDF : 7.9/2

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

-655.197+/-1751.345 χ^2/NDF : 0.2/1

Left In: -655.197+/-1751.345 χ^2/NDF : 0.2/1

asym_sam2_correction_rms vs Slug



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

Left Out: 2064.239+/-1.049 χ^2/NDF : 10637.1/2

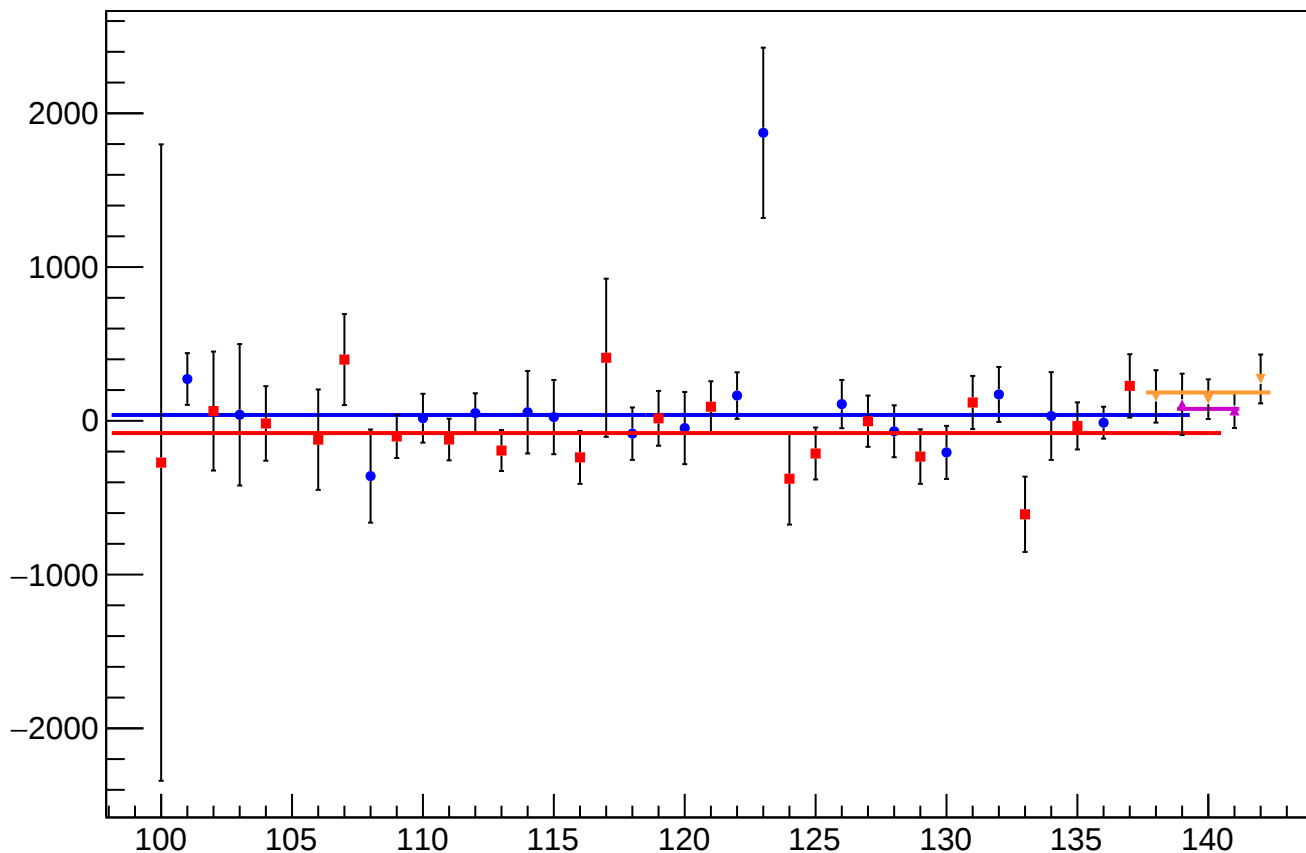
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2179.333+/-1.238 χ^2/NDF : 32223.4/1

2064.239+/-1.049 χ^2/NDF : 10637.1/2

2179.333+/-1.238 χ^2/NDF : 32223.4/1

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 184.335+/-86.405 χ^2/NDF : 0.4/2

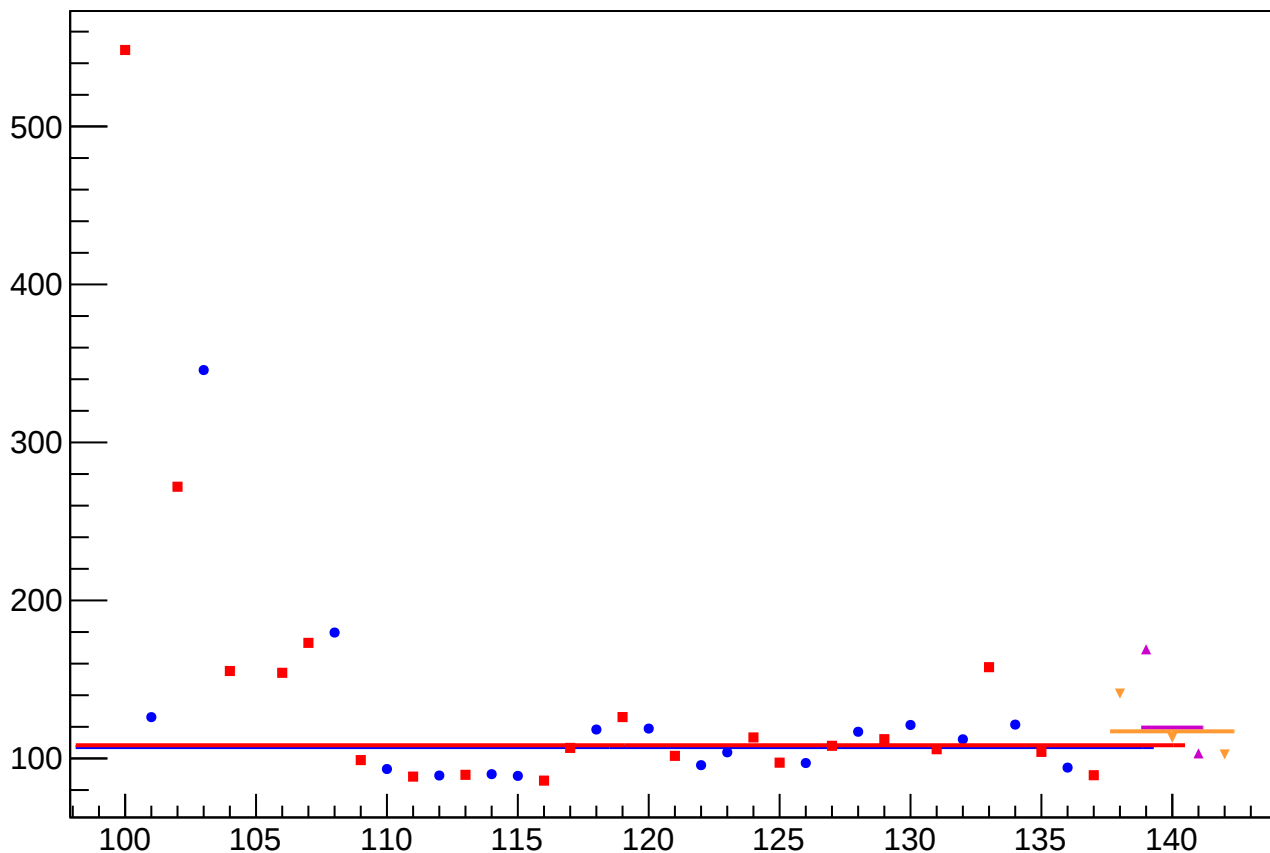
Right Out: -79.665+/-42.948 χ^2/NDF : 17.6/19

Left In: 77.383+/-99.181 χ^2/NDF : 0.0/1

67.742+/-38.888 χ^2/NDF : 22.1/19

-54.867+/-39.411 χ^2/NDF : 19.8/21

reg_asym_sam3_rms vs Slug



Right In: 107.189 ± 0.031 χ^2/NDF : 843115.1/16

Left Out: 117.156 ± 0.061 χ^2/NDF : 58268.5/2

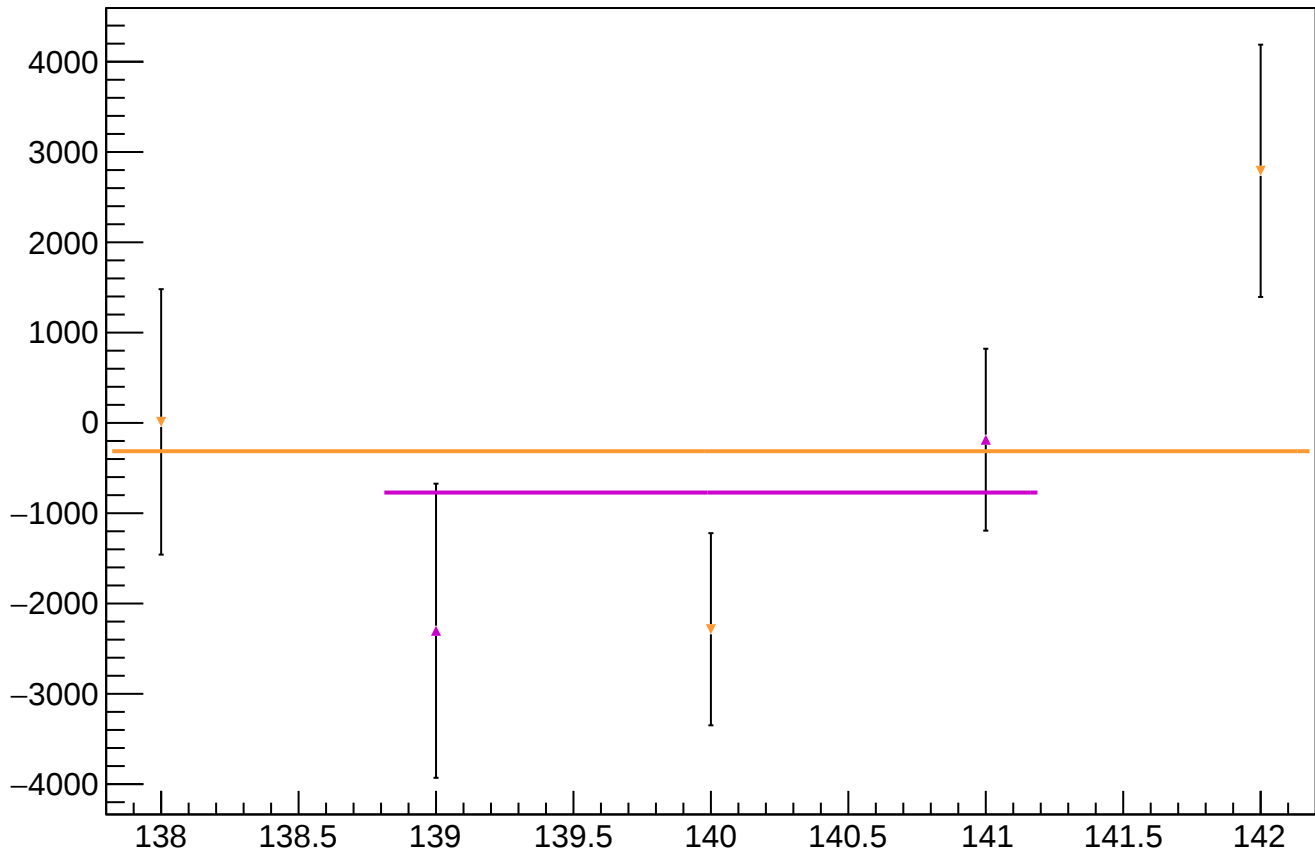
Right Out: 108.347 ± 0.030 χ^2/NDF : 917309.2/19

Left In: 119.522 ± 0.070 χ^2/NDF : 164363.5/1

109.208 ± 0.027 χ^2/NDF : 922605.9/19

110.112 ± 0.028 χ^2/NDF : 1103054.3/21

asym_sam3_correction_mean vs Slug



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

Left Out: -313.173+/-733.490 χ^2/NDF : 8.4/2

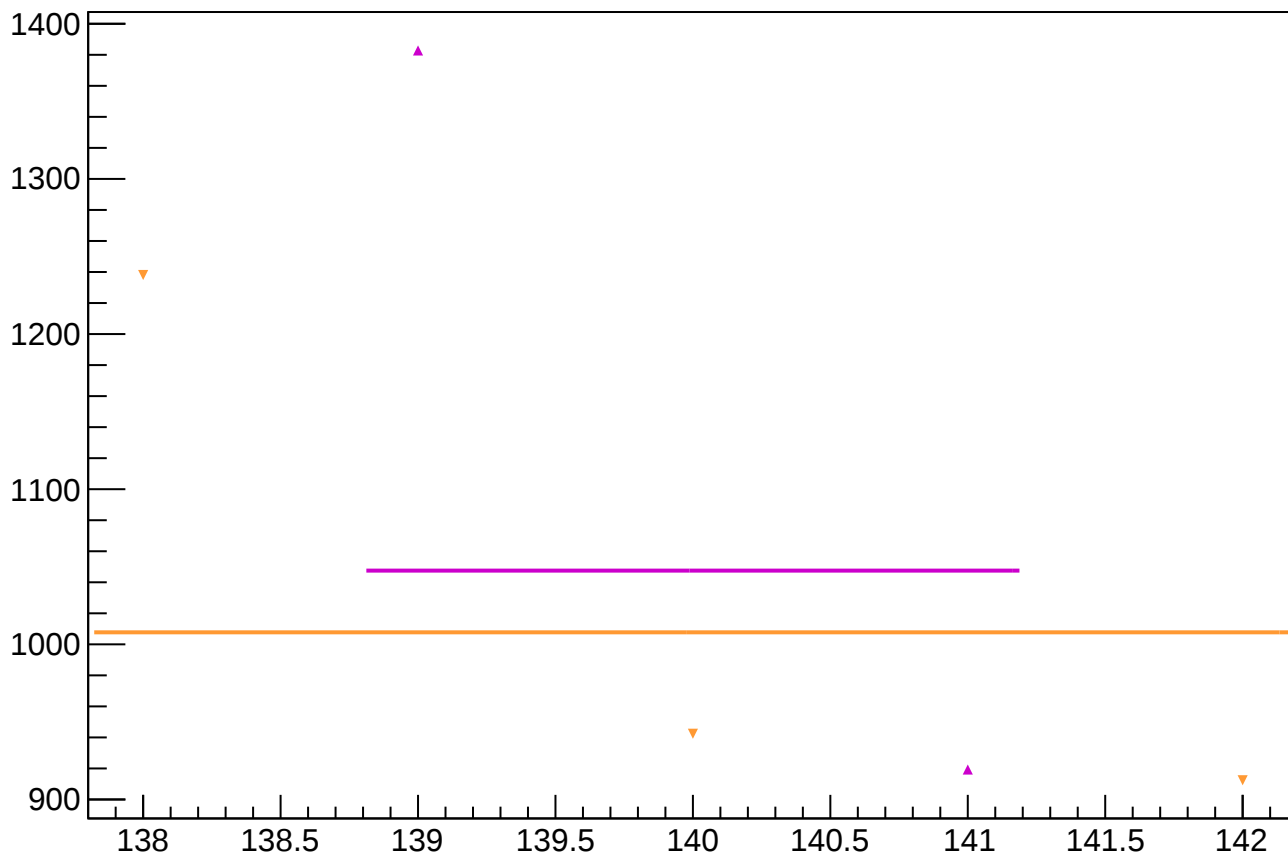
-313.173+/-733.490 χ^2/NDF : 8.4/2

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

-771.111+/-856.510 χ^2/NDF : 1.2/1

Left In: -771.111+/-856.510 χ^2/NDF : 1.2/1

asym_sam3_correction_rms vs Slug



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

Left Out: 1007.745+/-0.519 χ^2/NDF : 65984.4/2

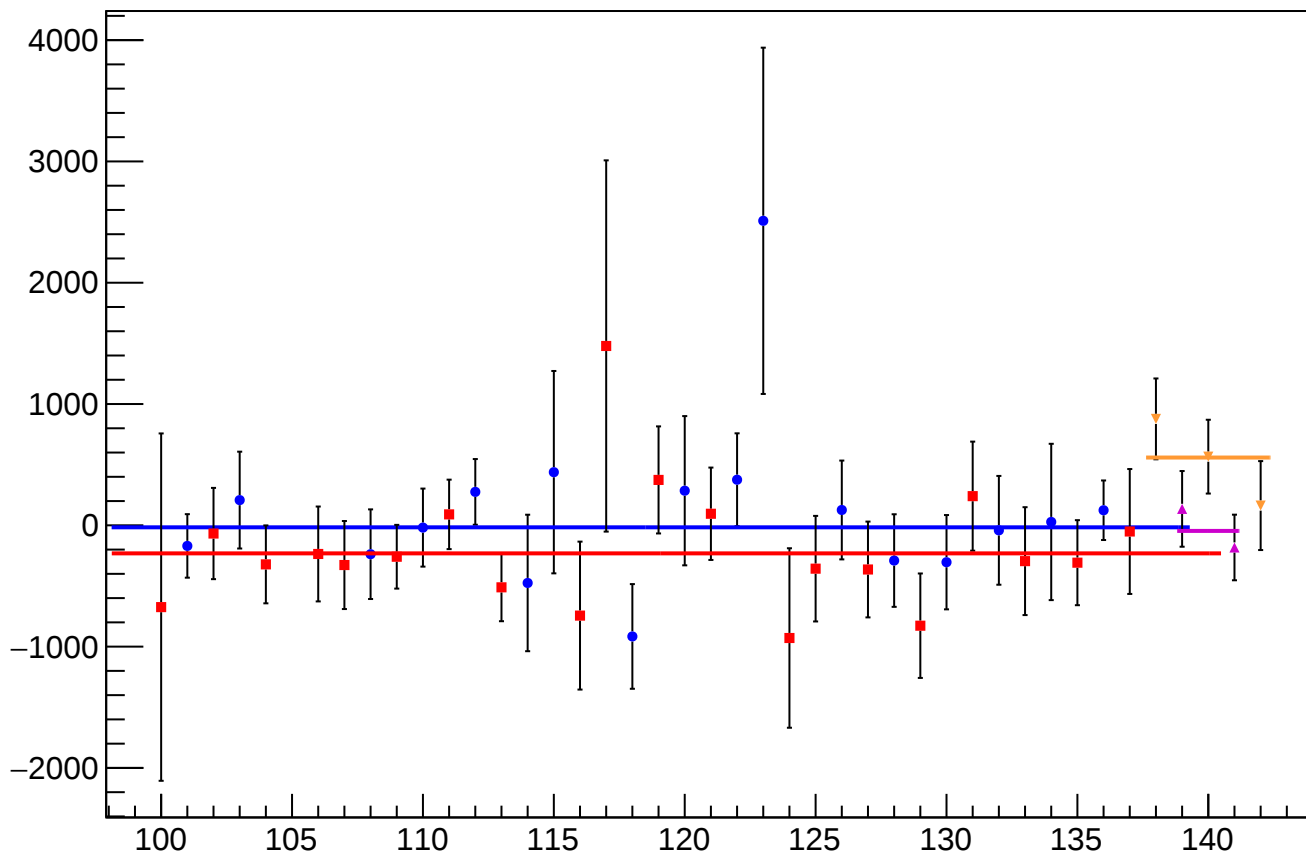
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1047.526+/-0.606 χ^2/NDF : 117192.0/1

1007.745+/-0.519 χ^2/NDF : 65984.4/2

1047.526+/-0.606 χ^2/NDF : 117192.0/1

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 558.810 ± 191.578 χ^2/NDF : 2.1/2

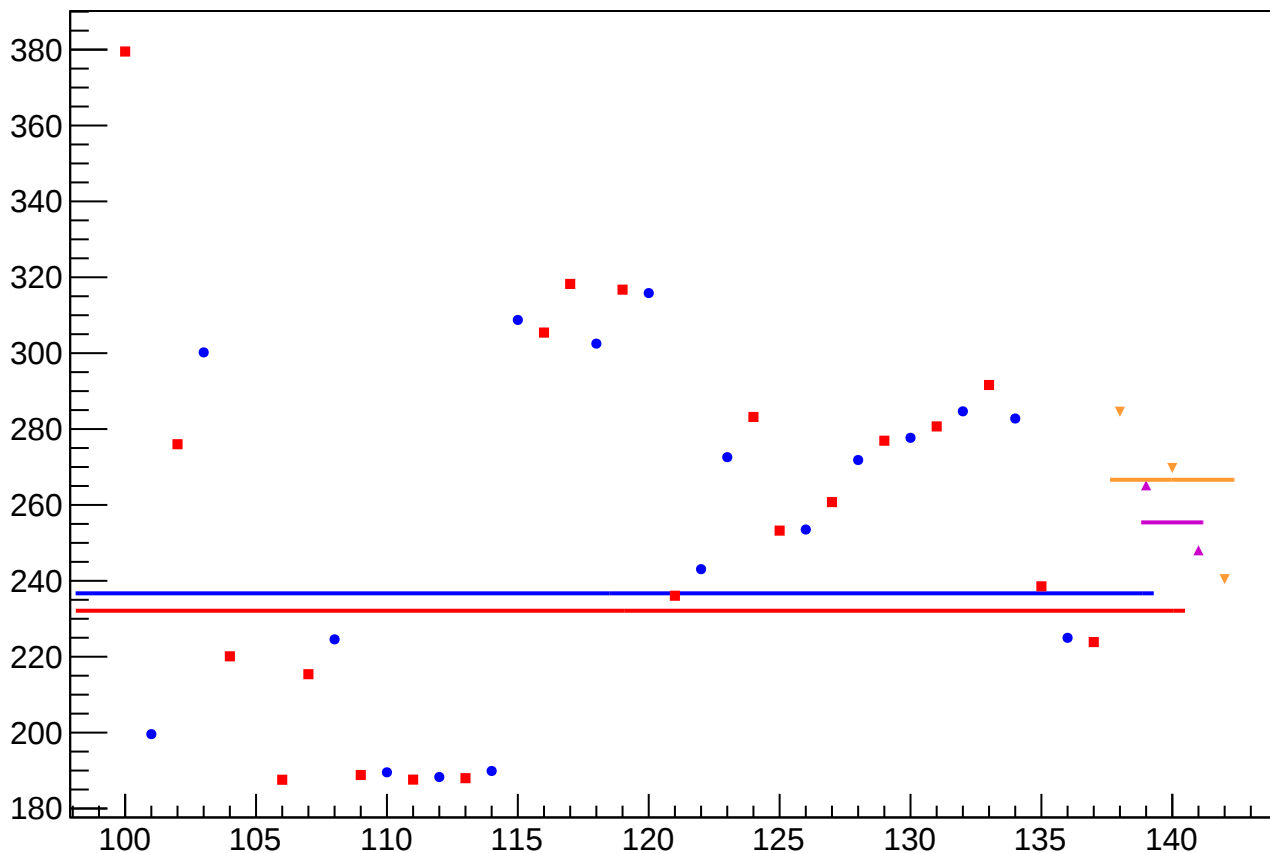
Right Out: -231.209 ± 88.787 χ^2/NDF : 11.6/19

Left In: -46.086 ± 204.364 χ^2/NDF : 0.6/1

93.795 ± 83.870 χ^2/NDF : 22.8/19

-201.815 ± 81.434 χ^2/NDF : 12.9/21

reg_asym_sam4_rms vs Slug



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 266.639 $\pm$ 0.135 χ^2 /NDF:16205.5/2

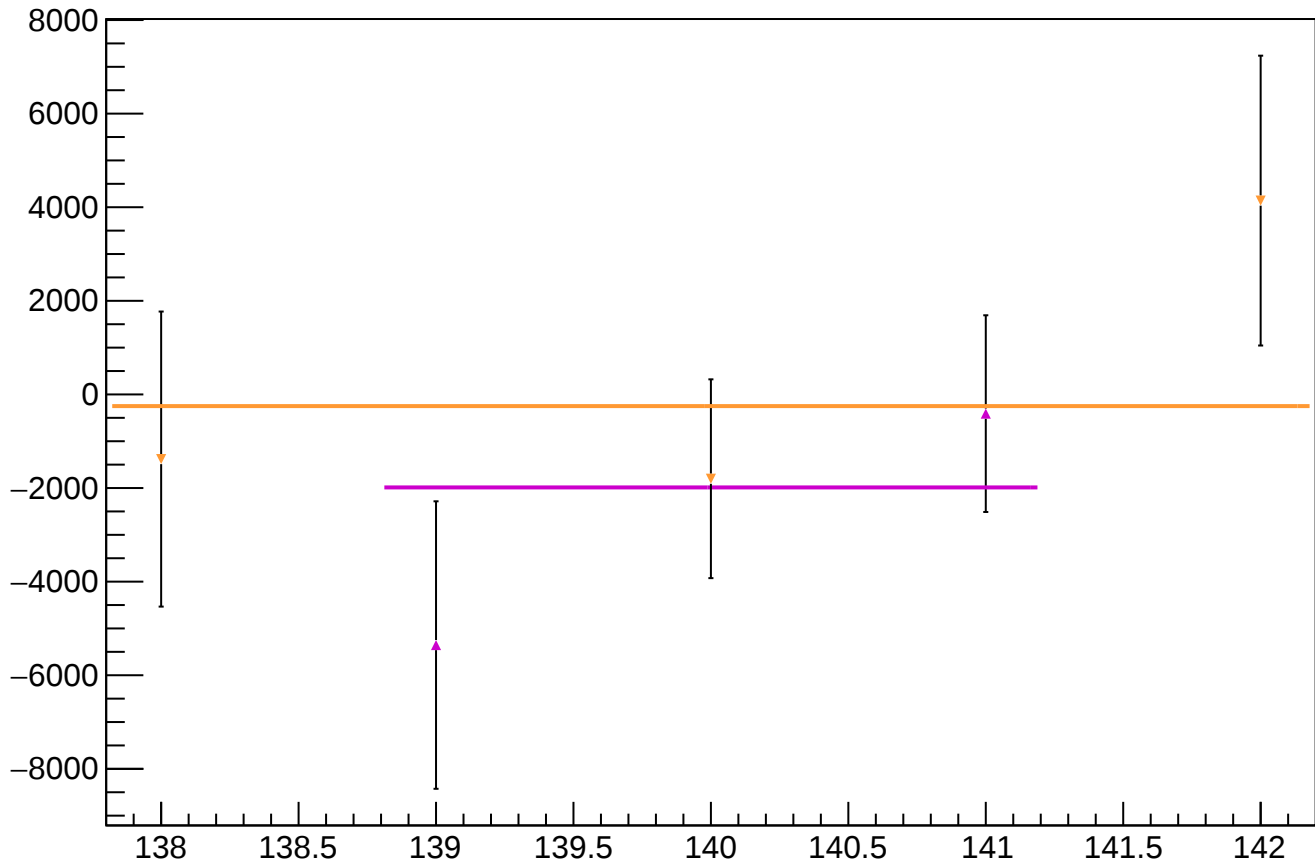
Right Out: 232.119 $\pm$ 0.063 χ^2 /NDF: 449633.1/19

Left In: 255.398 $\pm$ 0.145 χ^2 /NDF:3440.8/1

242.443 $\pm$ 0.059 χ^2 /NDF: 446017.9/19

235.815 $\pm$ 0.058 χ^2 /NDF: 474903.8/21

asym_sam4_correction_mean vs Slug



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

Left Out: -249.404+/-1531.000 χ^2/NDF : 2.7/2

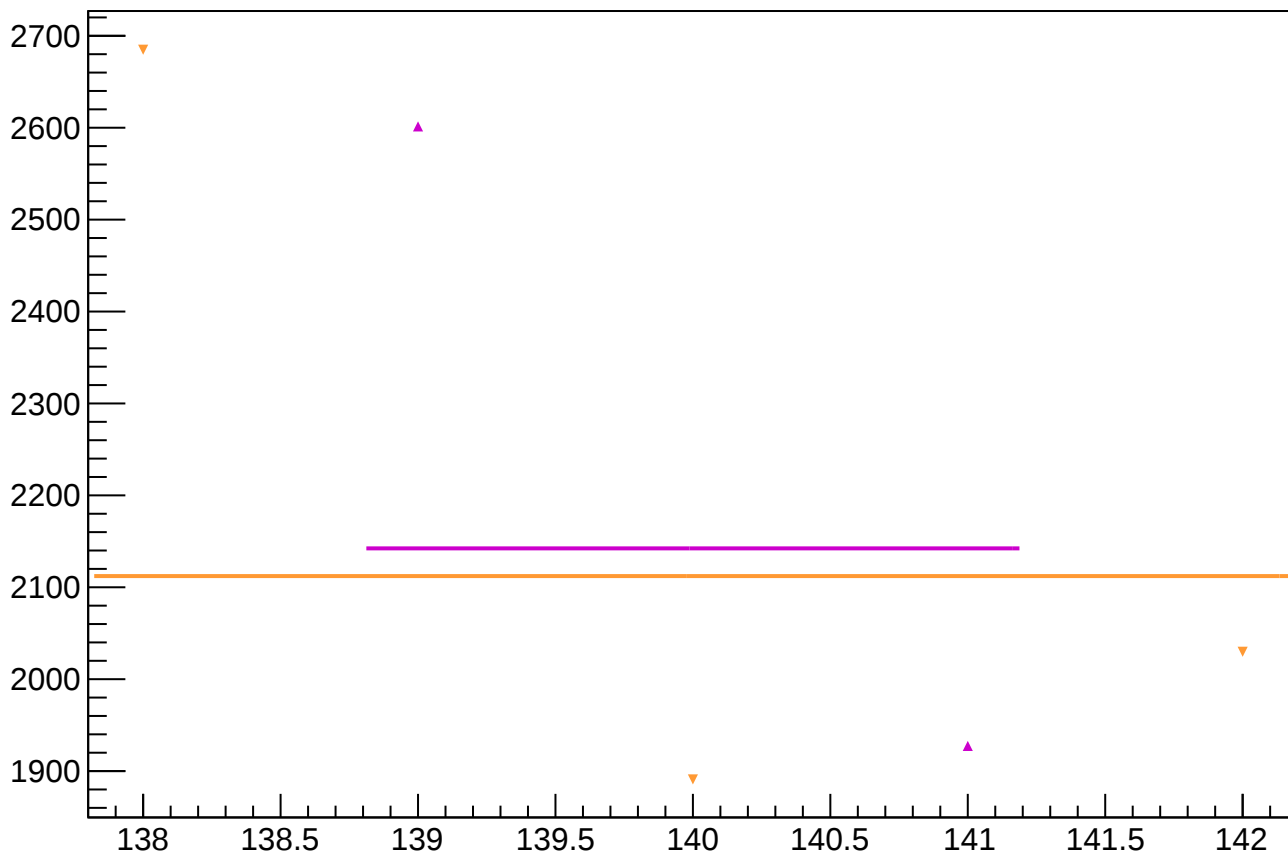
-249.404+/-1531.000 χ^2/NDF : 2.7/2

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

-1986.966+/-1734.379 χ^2/NDF : 1.8/1

Left In: -1986.966+/-1734.379 χ^2/NDF : 1.8/1

asym_sam4_correction_rms vs Slug



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

Left Out: 2112.179+/-1.083 χ^2/NDF : 89128.8/2

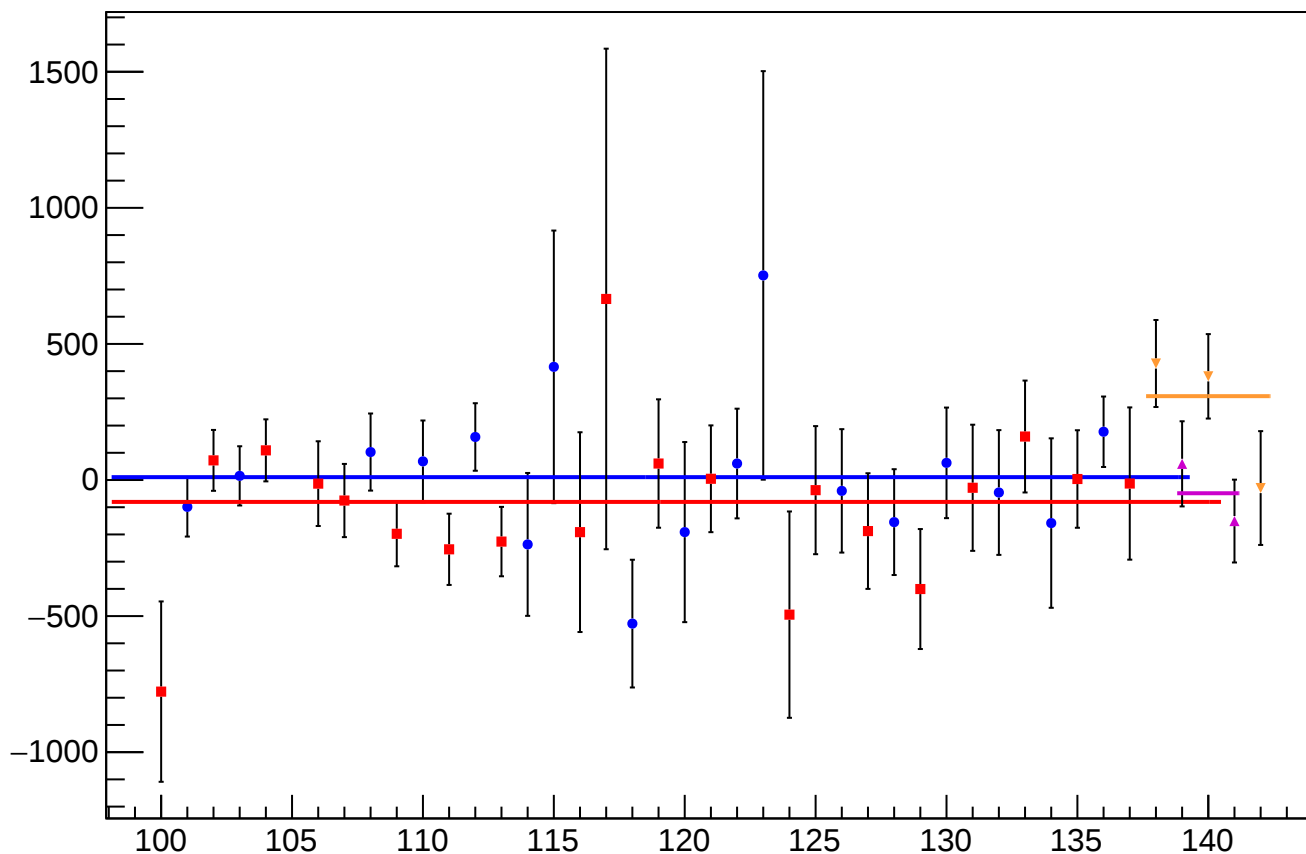
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2142.322+/-1.226 χ^2/NDF : 65611.6/1

2112.179+/-1.083 χ^2/NDF : 89128.8/2

2142.322+/-1.226 χ^2/NDF : 65611.6/1

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 χ^2/NDF : 14.1/16

Left Out: 308.100 ± 98.272 χ^2/NDF : 3.4/2

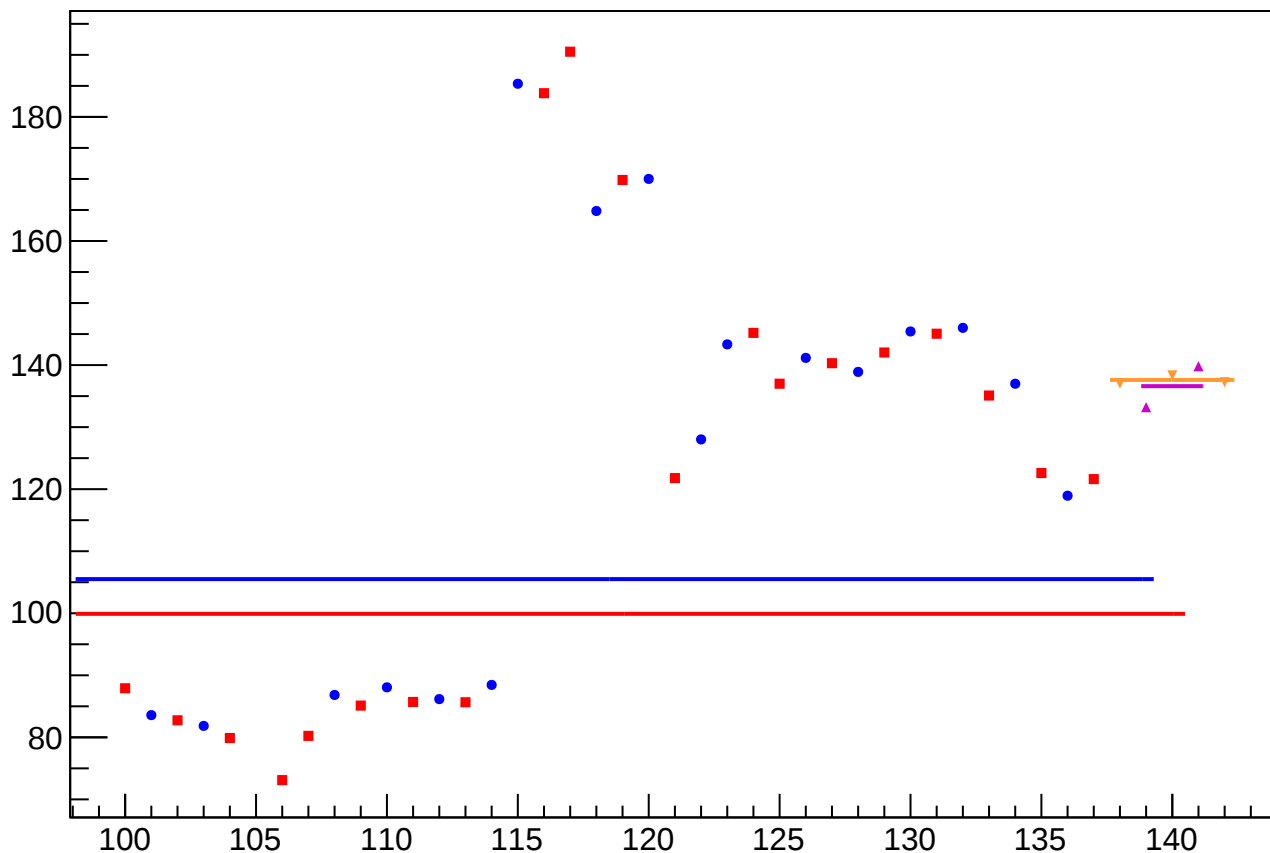
Right Out: -80.462 ± 38.950 χ^2/NDF : 19.9/19

Left In: -48.616 ± 109.074 χ^2/NDF : 0.9/1

57.035 ± 38.849 χ^2/NDF : 25.2/19

-76.860 ± 36.681 χ^2/NDF : 20.9/21

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 137.607+/-0.069 χ^2/NDF : 78.1/2

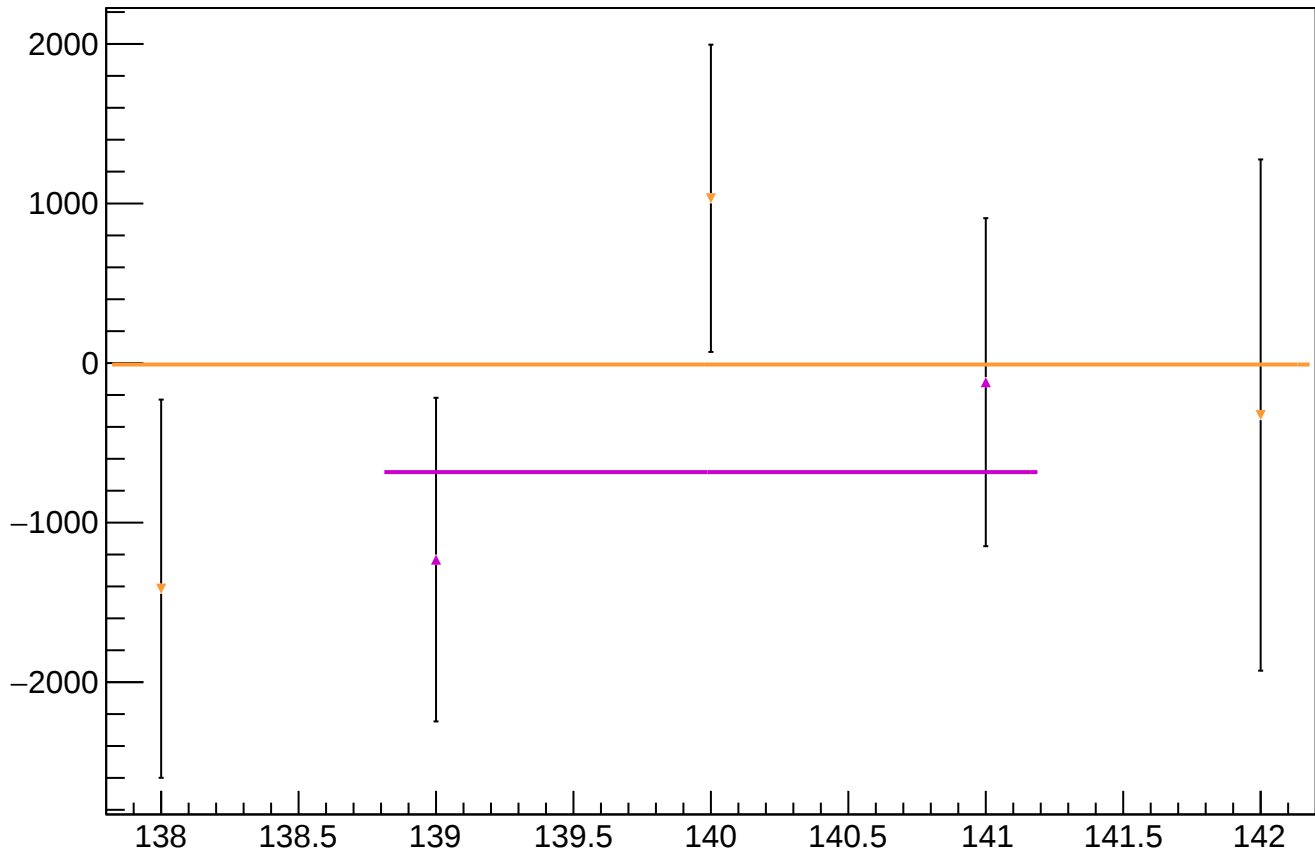
Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

Left In: 136.606+/-0.077 χ^2/NDF : 1829.6/1

110.520+/-0.027 χ^2/NDF : 1049190.1/19

104.057+/-0.026 χ^2/NDF : 1222182.4/21

asym_sam5_correction_mean vs Slug



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

Left Out: -9.070 $\pm$ 677.291 χ^2 /NDF: 2.6/2

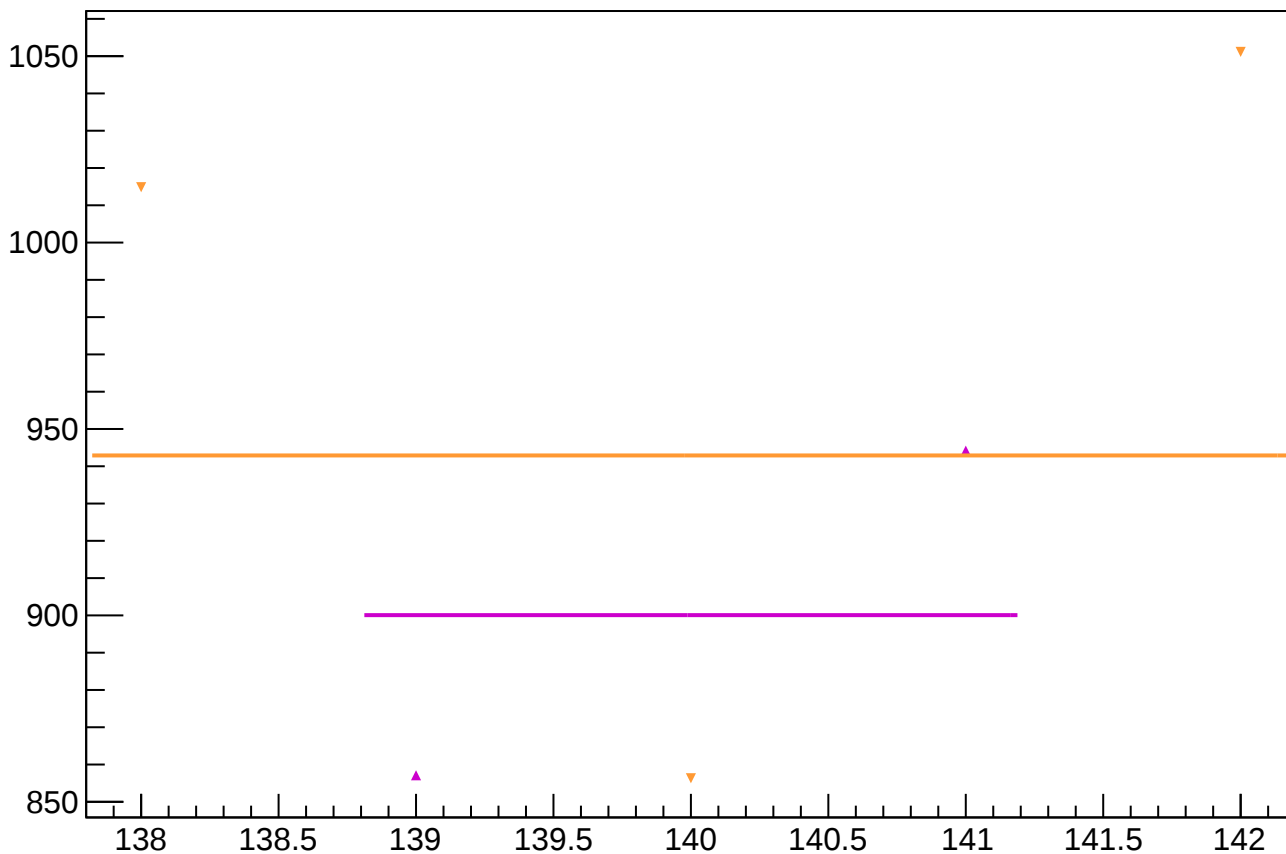
-9.070 $\pm$ 677.291 χ^2 /NDF: 2.6/2

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

-683.346 $\pm$ 721.996 χ^2 /NDF: 0.6/1

Left In: -683.346 $\pm$ 721.996 χ^2 /NDF: 0.6/1

asym_sam5_correction_rms vs Slug



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

Left Out: 942.903+/-0.479 χ^2/NDF : 32669.7/2

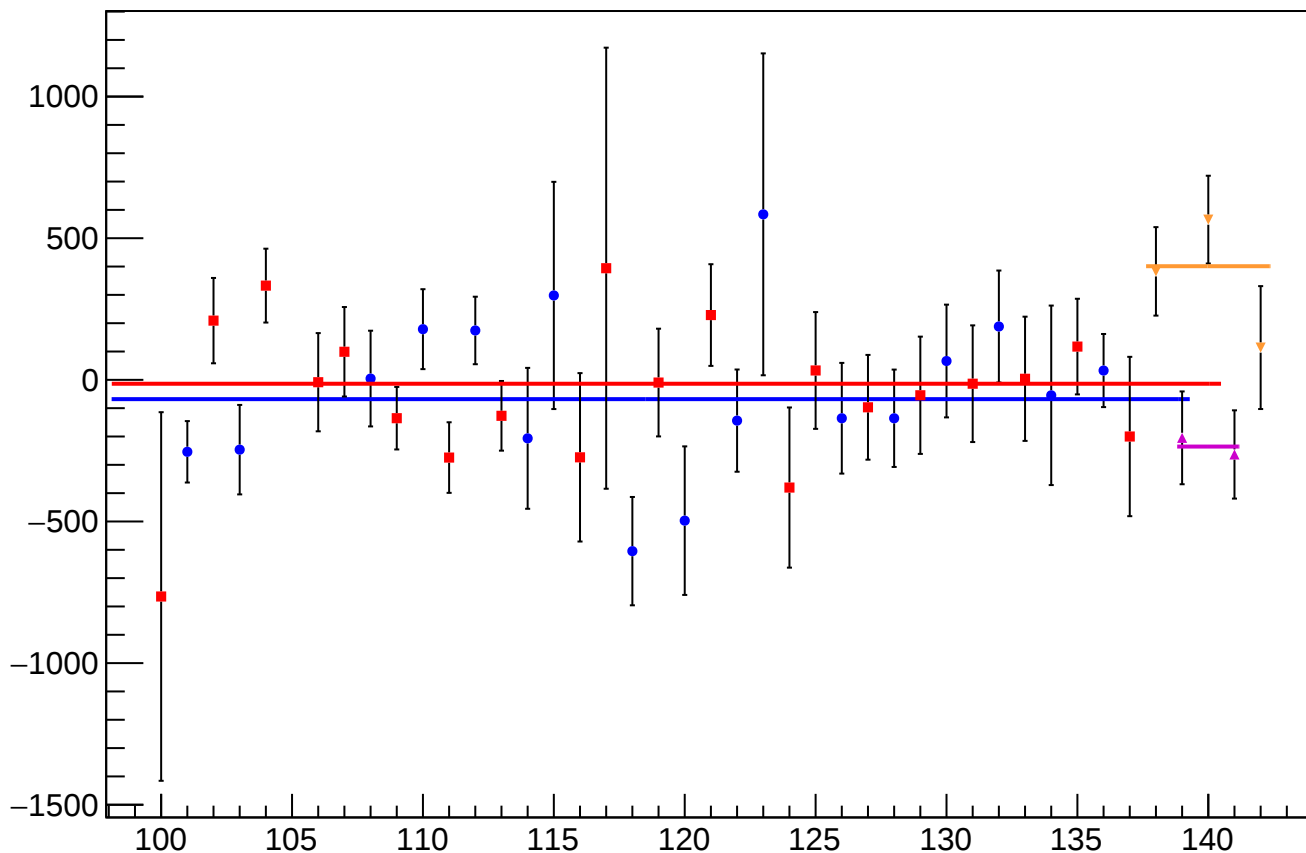
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 900.069+/-0.511 χ^2/NDF : 7271.5/1

942.903+/-0.479 χ^2/NDF : 32669.7/2

900.069+/-0.511 χ^2/NDF : 7271.5/1

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 401.163 ± 98.108 $\chi^2/\text{NDF}: 2.9/2$

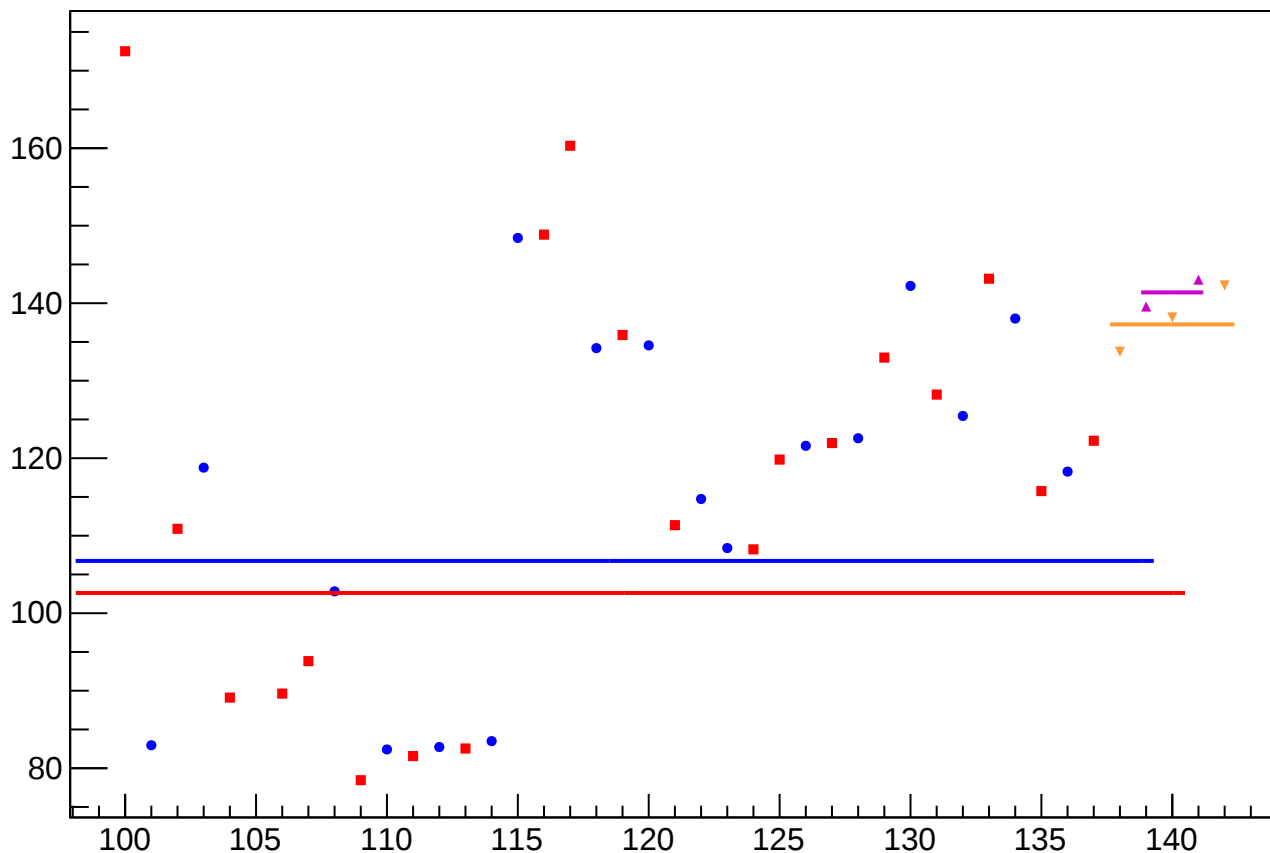
Right Out: -13.752 ± 39.416 $\chi^2/\text{NDF}: 23.4/19$

Left In: -235.521 ± 112.897 $\chi^2/\text{NDF}: 0.1/1$

5.349 ± 38.817 $\chi^2/\text{NDF}: 50.0/19$

-37.847 ± 37.213 $\chi^2/\text{NDF}: 26.9/21$

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 137.262 $\pm$ 0.069 χ^2 /NDF:2161.6/2

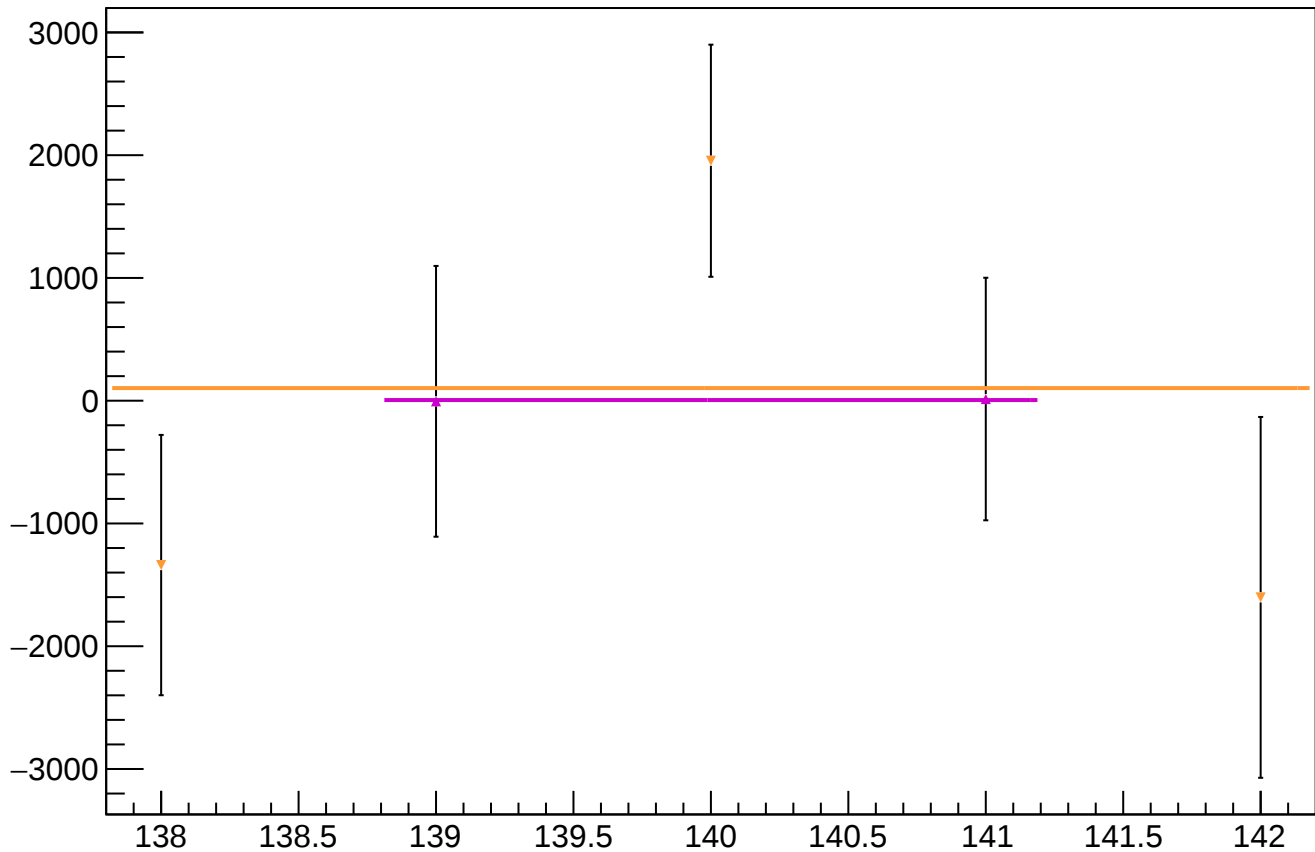
Right Out: 102.615 $\pm$ 0.028 χ^2 /NDF: 600357.6/19

Left In: 141.392 $\pm$ 0.080 χ^2 /NDF:470.7/1

111.526 $\pm$ 0.027 χ^2 /NDF: 667075.6/19

106.828 $\pm$ 0.026 χ^2 /NDF: 811138.2/21

asym_sam6_correction_mean vs Slug



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

Left Out: 102.817+/-636.112 χ^2/NDF : 7.0/2

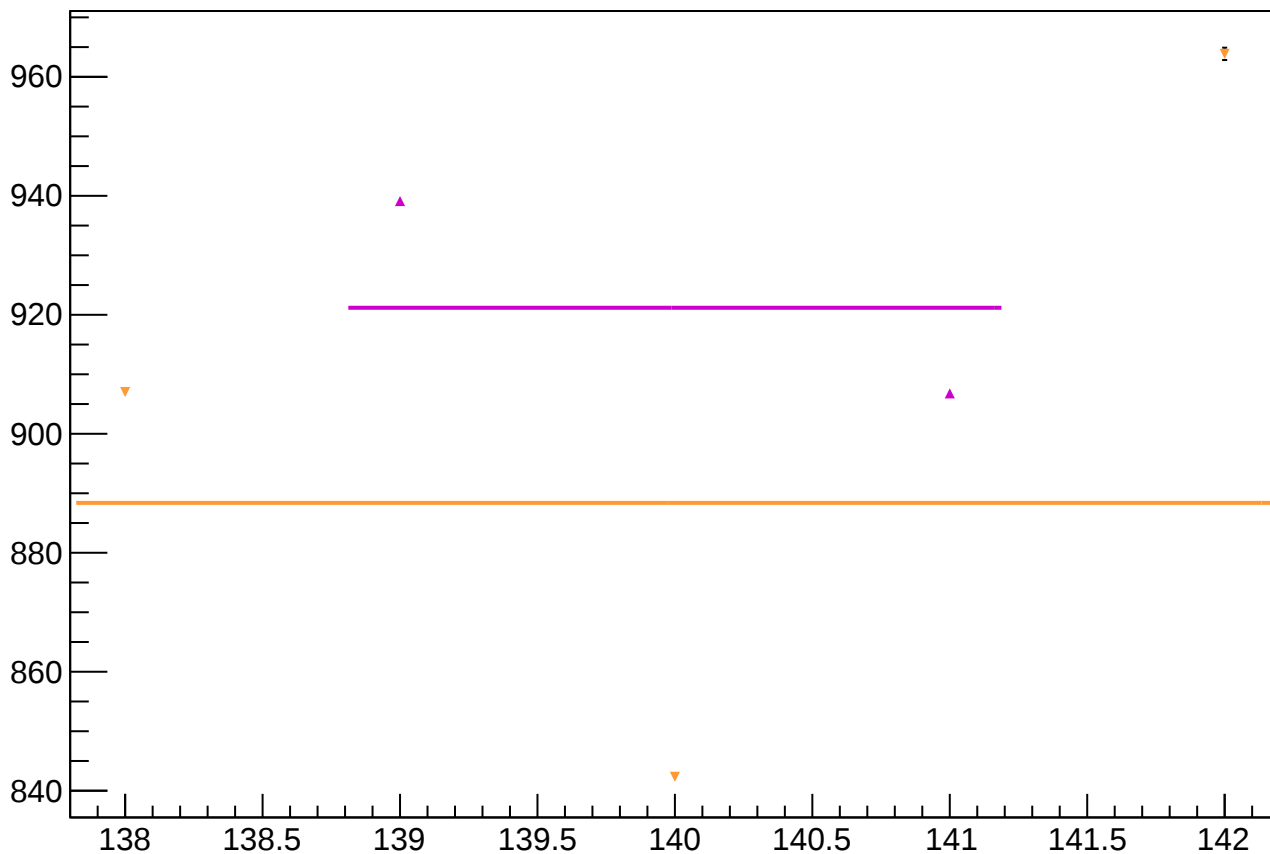
102.817+/-636.112 χ^2/NDF : 7.0/2

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

5.328+/-735.840 χ^2/NDF : 0.0/1

Left In: 5.328+/-735.840 χ^2/NDF : 0.0/1

asym_sam6_correction_rms vs Slug



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

Left Out: 888.387+/-0.450 χ^2/NDF : 10637.6/2

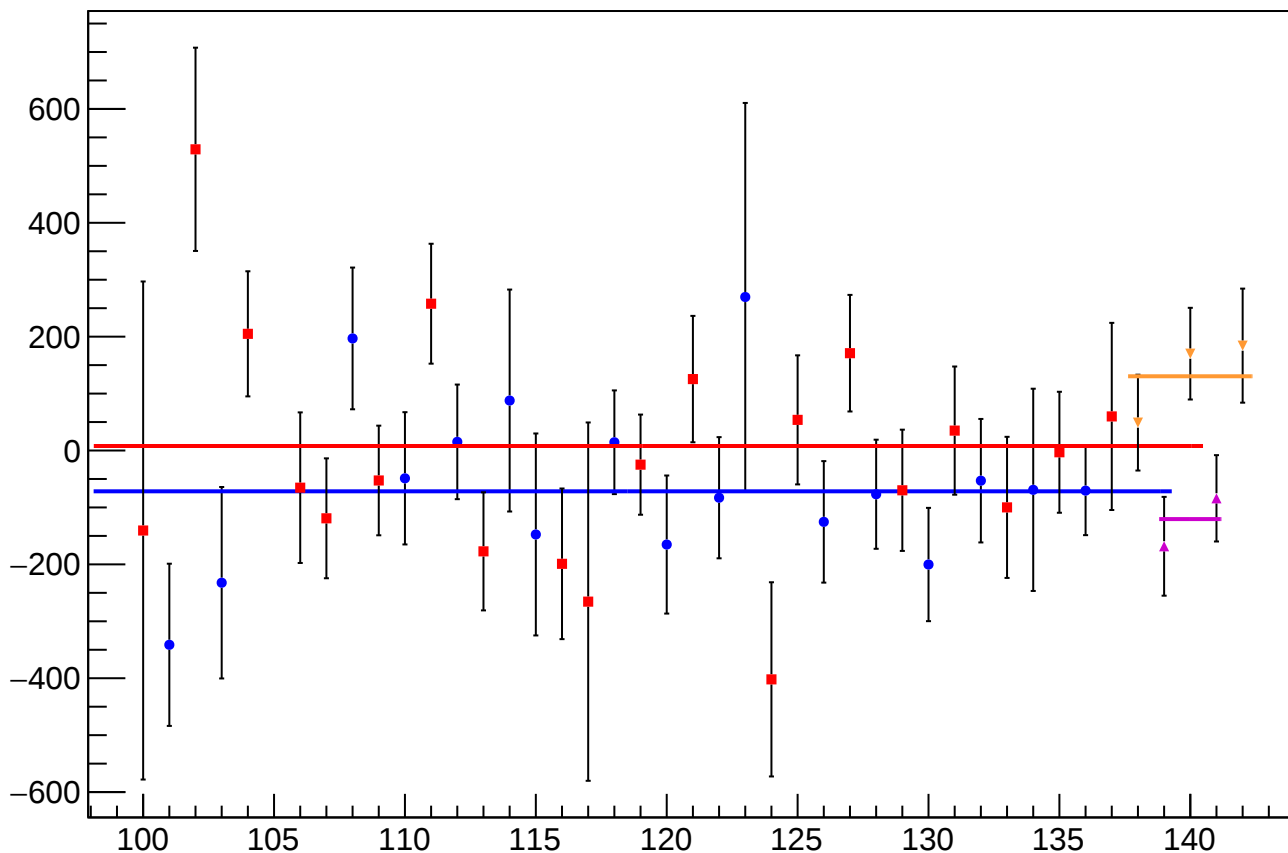
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 921.184+/-0.520 χ^2/NDF : 953.6/1

888.387+/-0.450 χ^2/NDF : 10637.6/2

921.184+/-0.520 χ^2/NDF : 953.6/1

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 130.405 ± 50.315 $\chi^2/\text{NDF}: 1.5/2$

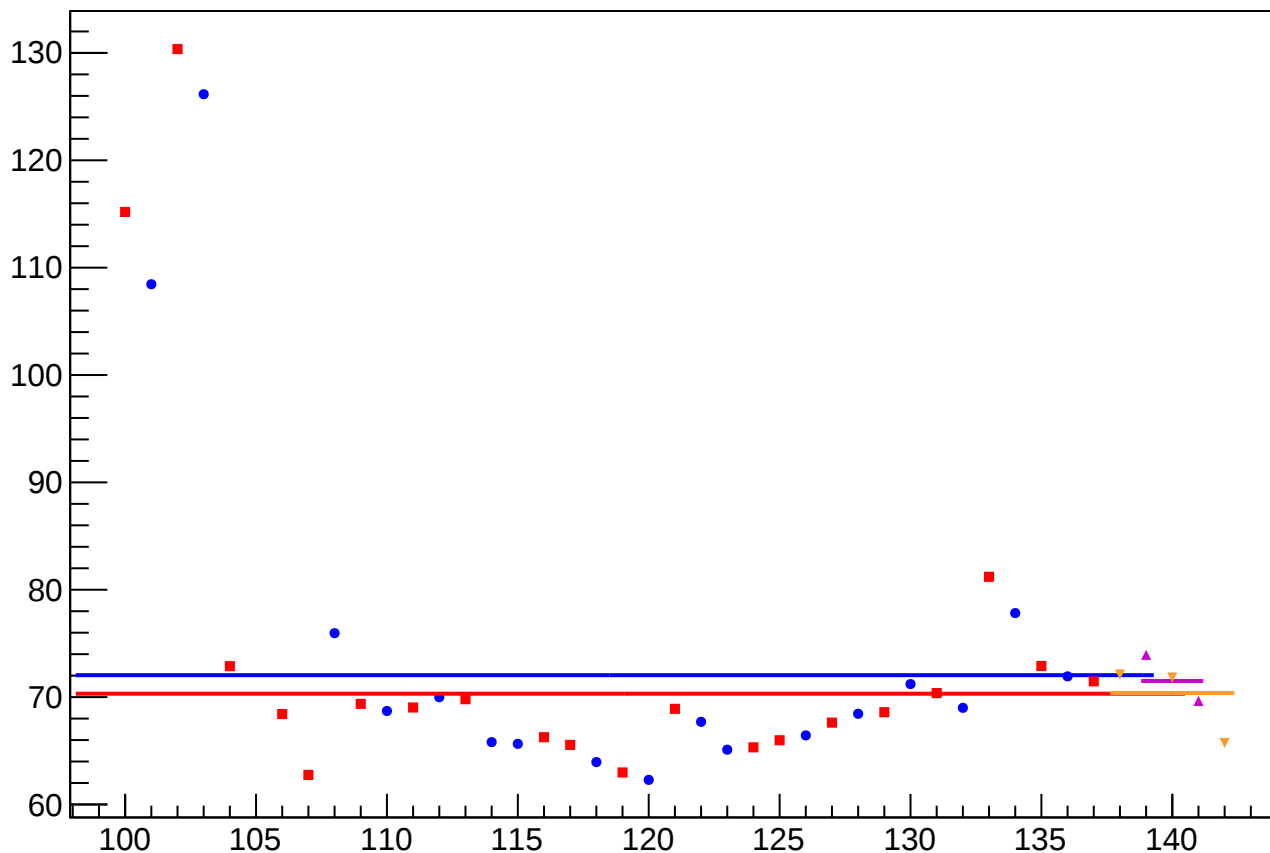
Right Out: 7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

Left In: -120.445 ± 57.103 $\chi^2/\text{NDF}: 0.5/1$

-22.953 ± 24.705 $\chi^2/\text{NDF}: 29.0/19$

-15.126 ± 24.201 $\chi^2/\text{NDF}: 41.9/21$

reg_asym_sam7_rms vs Slug



Right In: 72.042 ± 0.020 $\chi^2/\text{NDF}: 391971.7/16$

Left Out: 70.387 ± 0.036 $\chi^2/\text{NDF}: 5801.6/2$

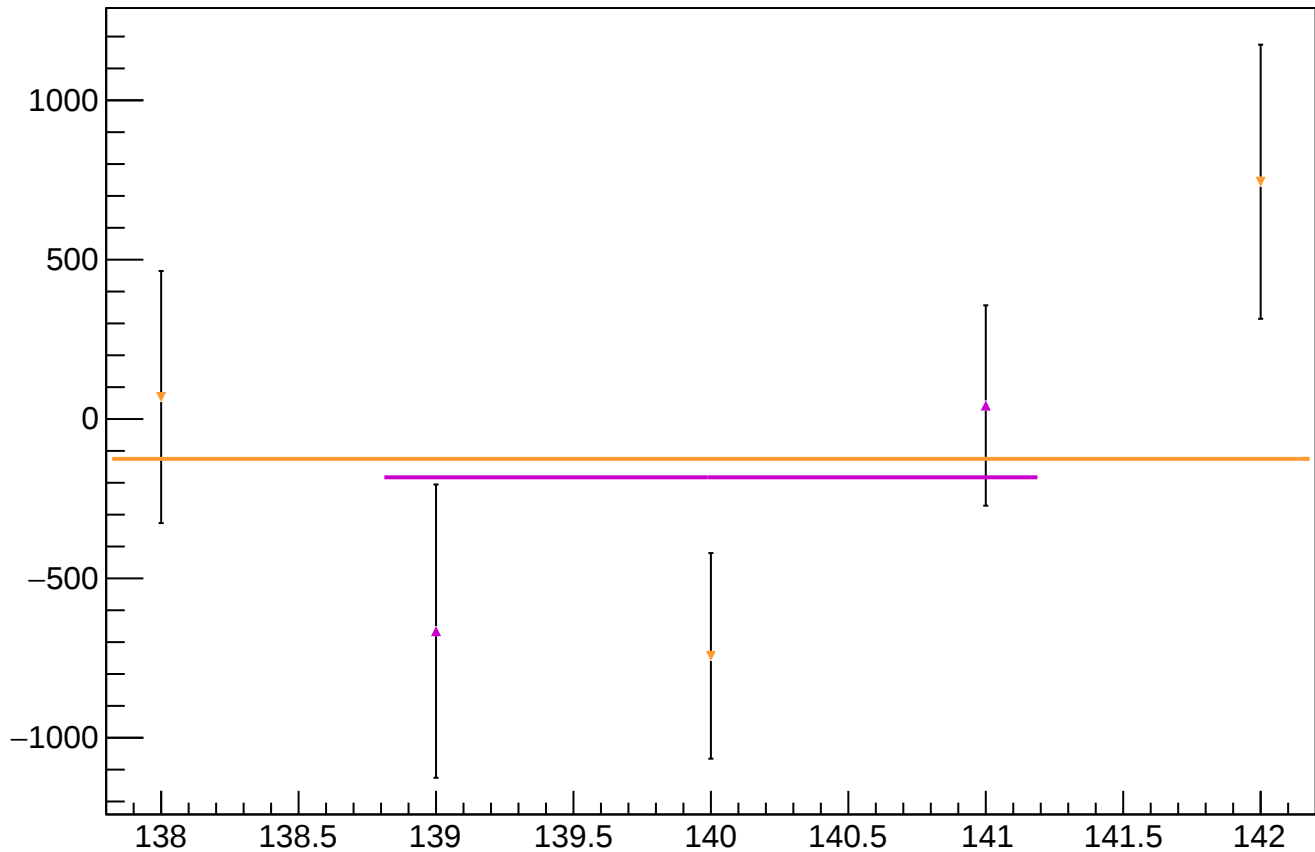
Right Out: 70.316 ± 0.019 $\chi^2/\text{NDF}: 299468.0/19$

Left In: 71.504 ± 0.040 $\chi^2/\text{NDF}: 2775.4/1$

71.643 ± 0.017 $\chi^2/\text{NDF}: 399415.5/19$

70.530 ± 0.017 $\chi^2/\text{NDF}: 302952.8/21$

asym_sam7_correction_mean vs Slug



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

Left Out: -124.977+/-216.119 χ^2/NDF : 8.0/2

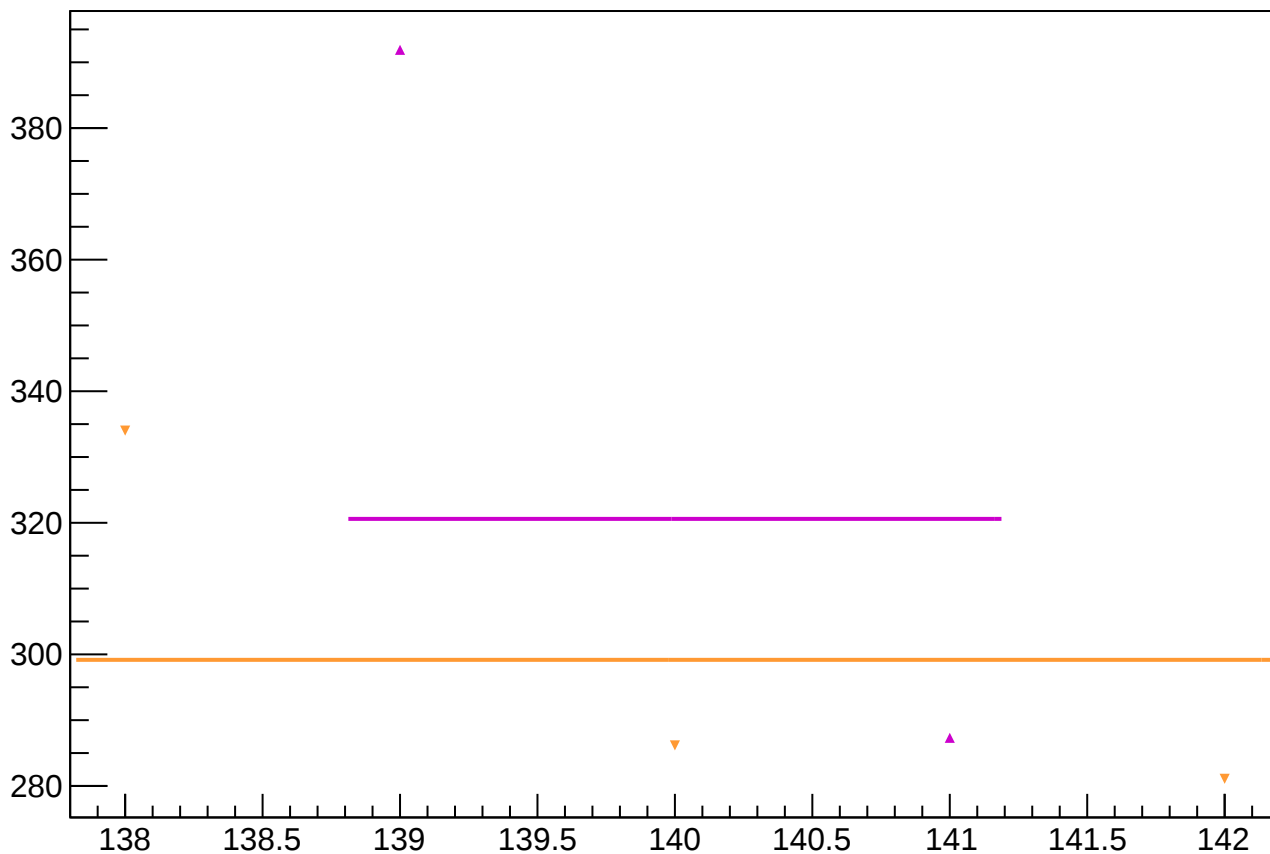
-124.977+/-216.119 χ^2/NDF : 8.0/2

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

-182.830+/-259.589 χ^2/NDF : 1.6/1

Left In: -182.830+/-259.589 χ^2/NDF : 1.6/1

asym_sam7_correction_rms vs Slug



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

Left Out: 299.170+/-0.153 χ^2/NDF : 22311.3/2

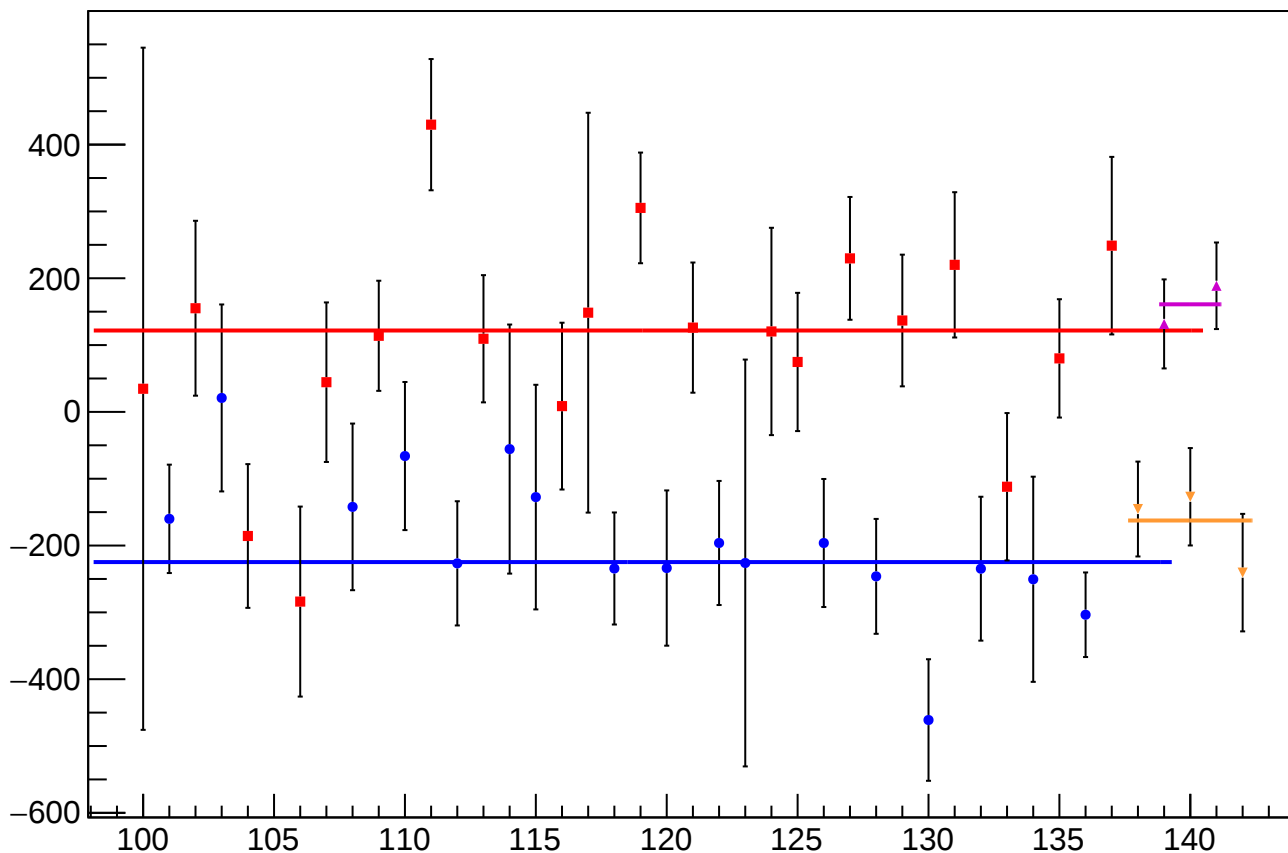
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 320.596+/-0.184 χ^2/NDF : 70421.9/1

299.170+/-0.153 χ^2/NDF : 22311.3/2

320.596+/-0.184 χ^2/NDF : 70421.9/1

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -162.513 ± 44.024 χ^2/NDF : 1.1/2

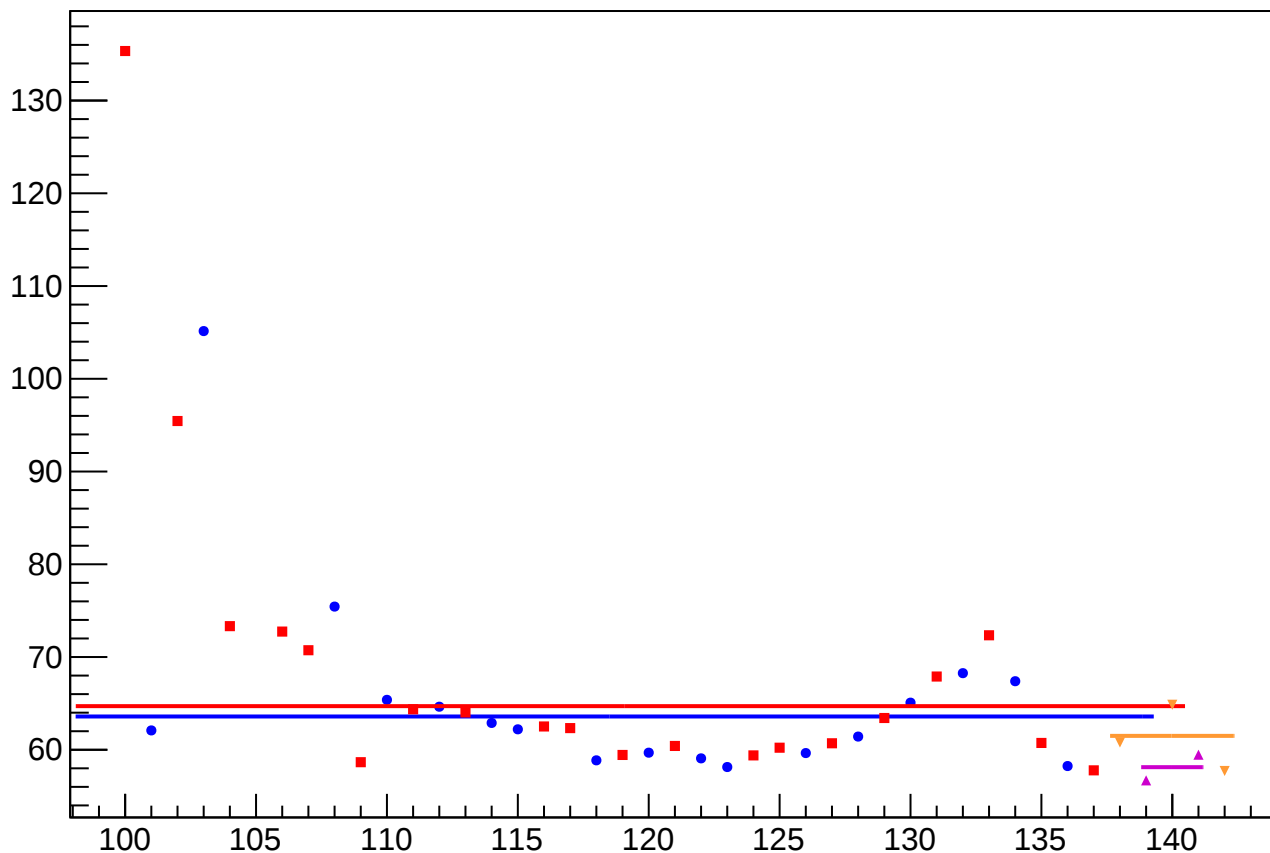
Right Out: 121.814 ± 24.516 χ^2/NDF : 40.5/19

Left In: 161.005 ± 46.438 χ^2/NDF : 0.4/1

-209.666 ± 21.660 χ^2/NDF : 18.6/19

130.356 ± 21.681 χ^2/NDF : 41.4/21

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 61.499+/-0.031 χ^2/NDF :8150.1/2

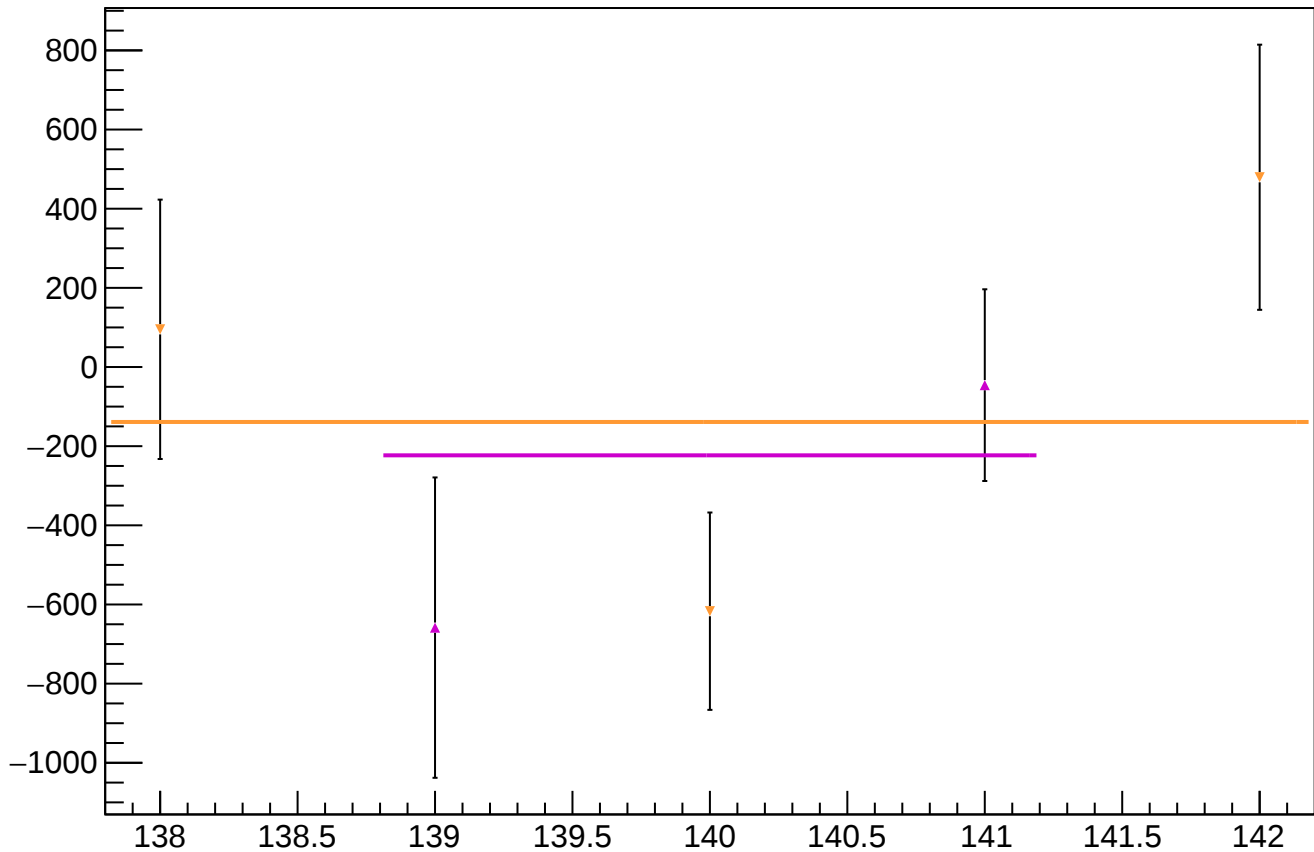
Right Out: 64.704+/-0.017 χ^2/NDF : 227632.6/19

Left In: 58.125+/-0.033 χ^2/NDF :1775.3/1

63.083+/-0.015 χ^2/NDF : 246168.1/19

63.270+/-0.015 χ^2/NDF : 260803.7/21

asym_sam8_correction_mean vs Slug



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

Left Out: -138.843+/-170.715 χ^2 /NDF: 7.6/2

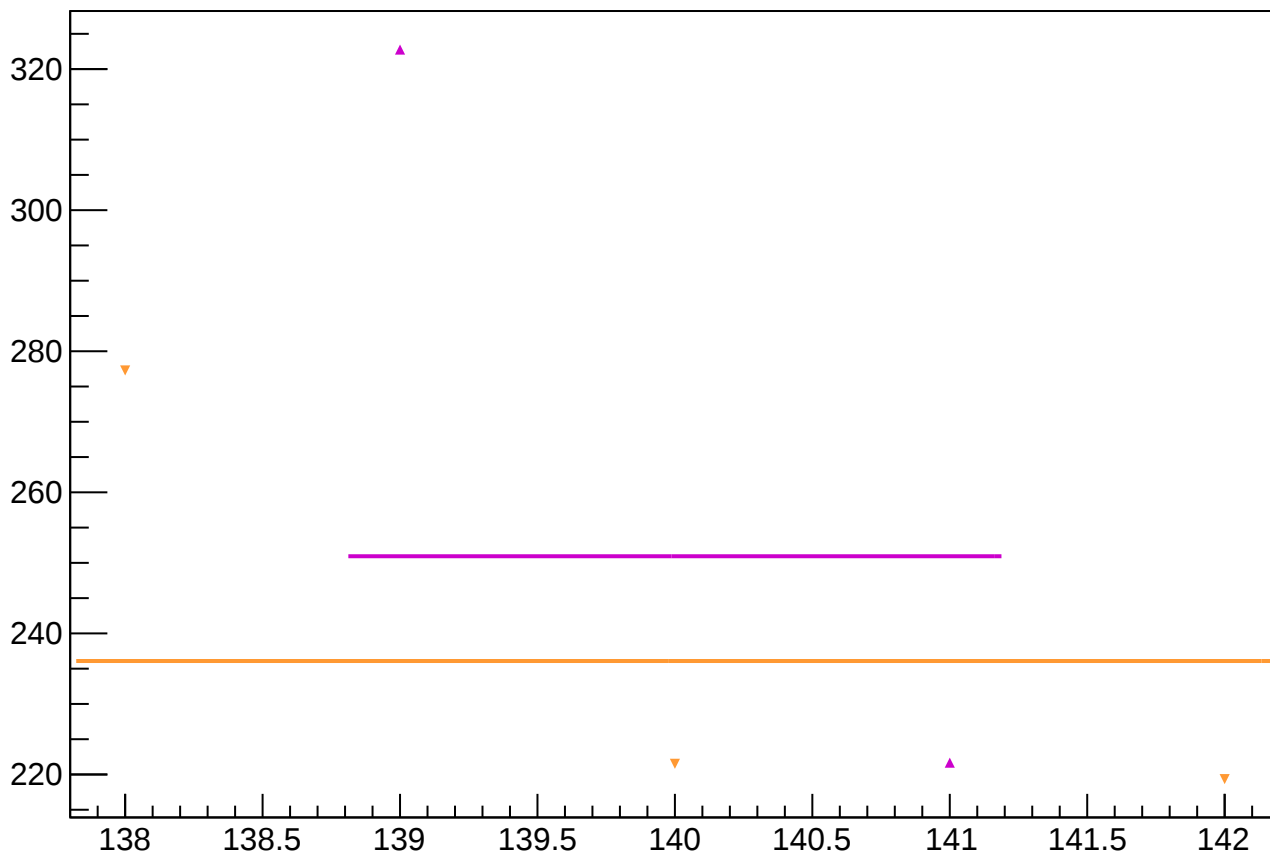
-138.843+/-170.715 χ^2 /NDF: 7.6/2

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

-223.152+/-204.148 χ^2 /NDF: 1.9/1

Left In: -223.152+/-204.148 χ^2 /NDF: 1.9/1

asym_sam8_correction_rms vs Slug



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

Left Out: 236.086+/-0.121 χ^2/NDF : 43435.8/2

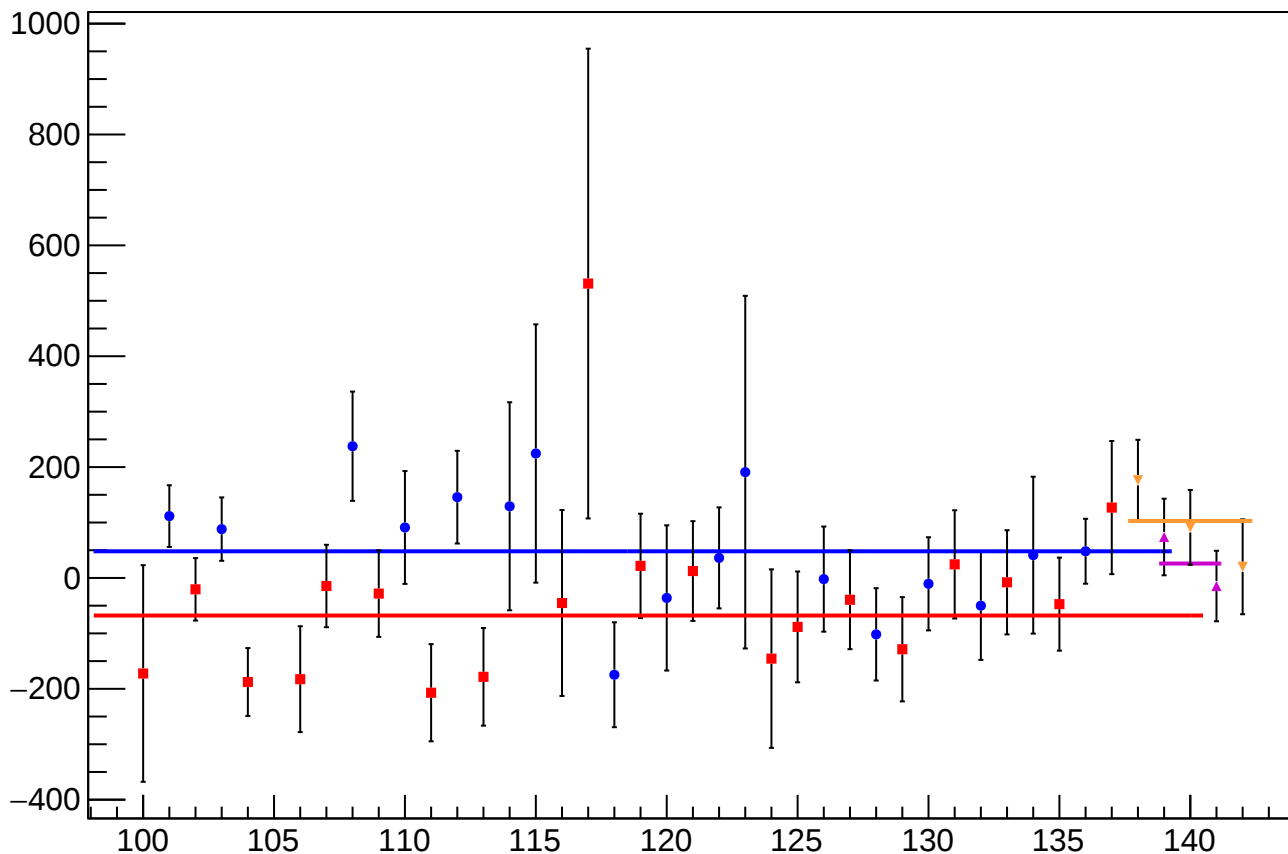
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 250.938+/-0.144 χ^2/NDF : 100876.4/1

236.086+/-0.121 χ^2/NDF : 43435.8/2

250.938+/-0.144 χ^2/NDF : 100876.4/1

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 102.830+/-42.872 χ^2/NDF : 2.0/2

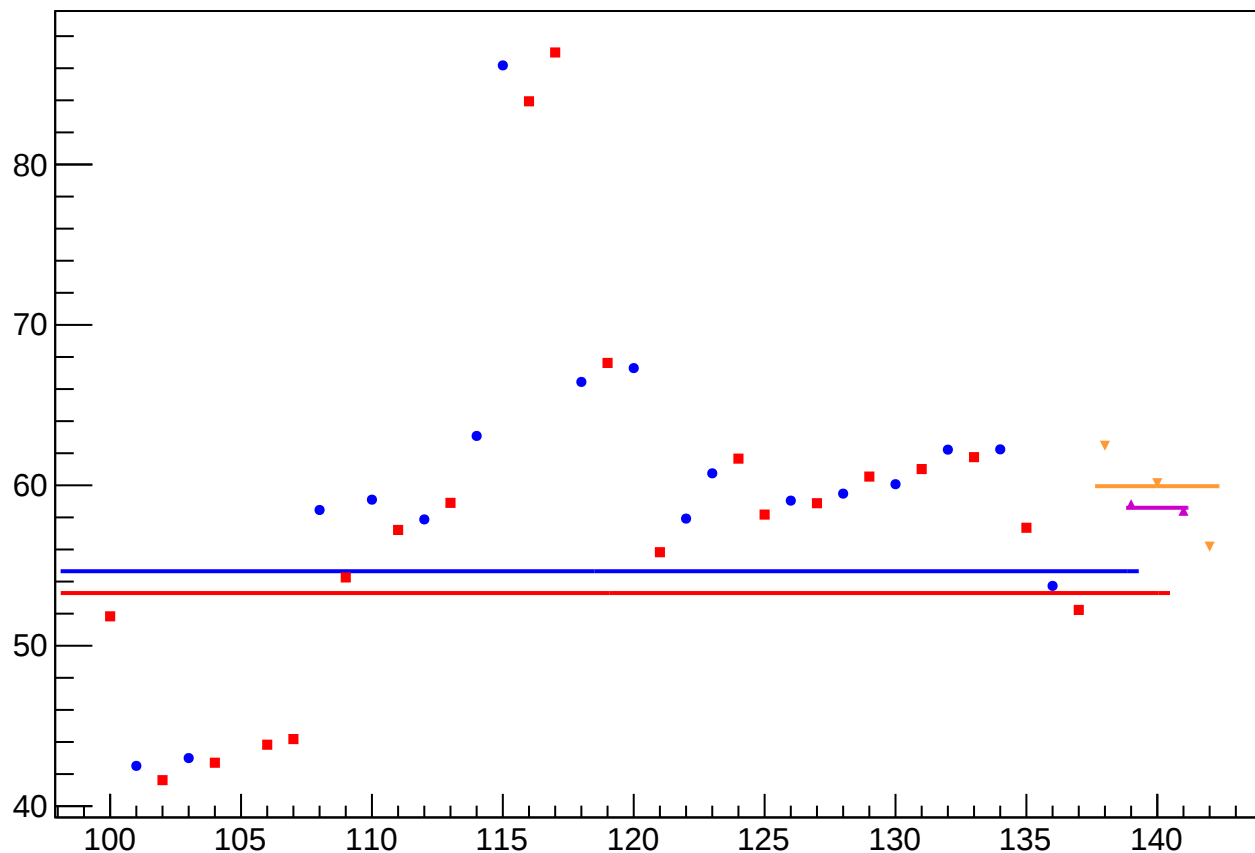
Right Out: -67.767+/-20.383 χ^2/NDF : 19.7/19

Left In: 26.008+/-46.787 χ^2/NDF : 0.9/1

59.114+/-19.226 χ^2/NDF : 22.3/19

-52.807+/-18.687 χ^2/NDF : 23.9/21

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2 /NDF: 319300.2/16

Left Out: 59.946+/-0.030 χ^2 /NDF:6285.4/2

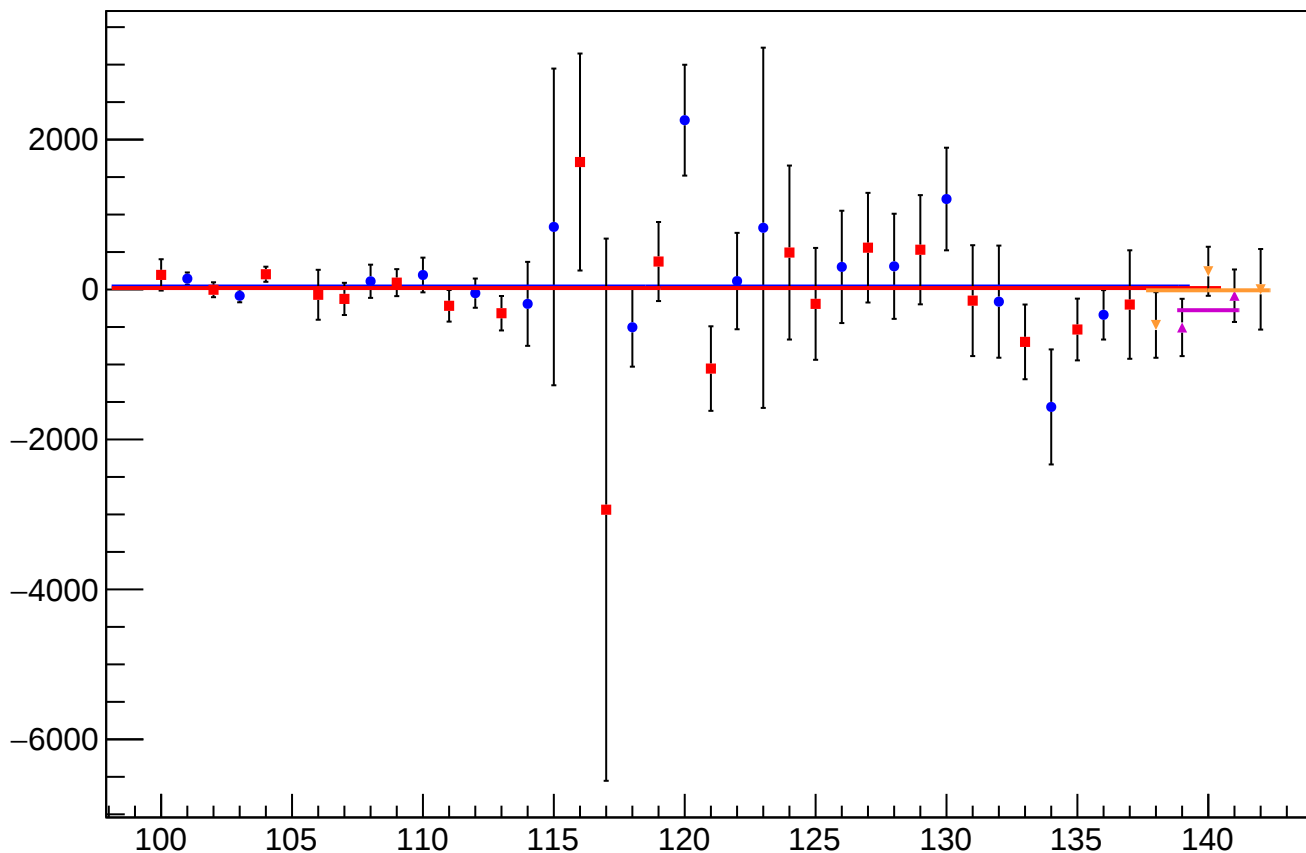
Right Out: 53.285+/-0.014 χ^2 /NDF: 398973.0/19

Left In: 58.601+/-0.033 χ^2 /NDF:37.7/1

55.711+/-0.014 χ^2 /NDF: 350014.2/19

54.133+/-0.013 χ^2 /NDF: 420713.2/21

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -10.256 $\pm$ 235.450 χ^2 /NDF:1.7/2

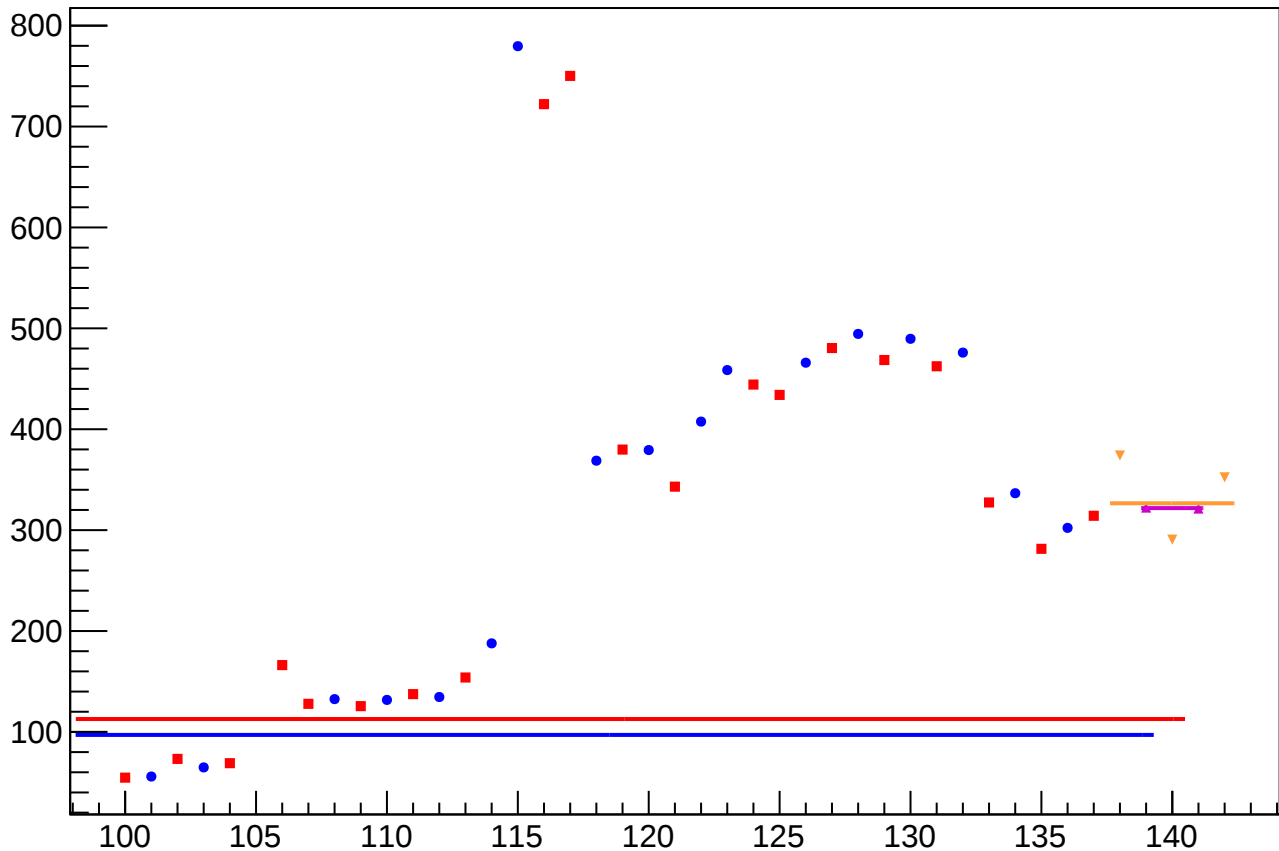
Right Out: 19.590 $\pm$ 53.268 χ^2 /NDF: 19.6/19

Left In: -275.800 $\pm$ 258.130 χ^2 /NDF:0.7/1

37.899 $\pm$ 50.350 χ^2 /NDF: 25.6/19

7.525 $\pm$ 52.169 χ^2 /NDF: 21.5/21

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 326.599+/-0.166 χ^2/NDF : 52329.9/2

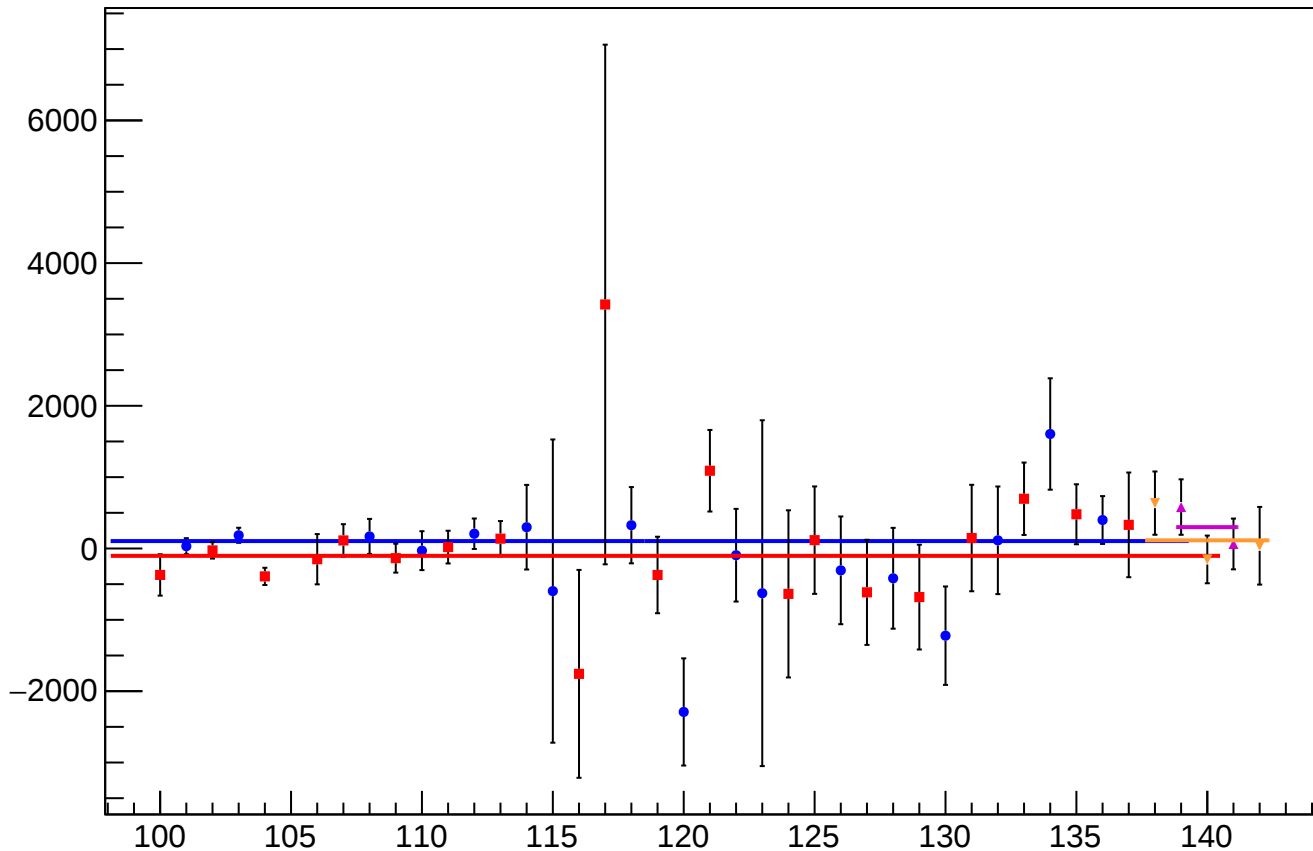
Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

Left In: 321.835+/-0.183 χ^2/NDF : 7.0/1

107.537+/-0.036 χ^2/NDF : 7686280.0/19

121.330+/-0.037 χ^2/NDF : 6356554.9/21

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 114.318 $\pm$ 239.662 χ^2 /NDF: 2.0/2

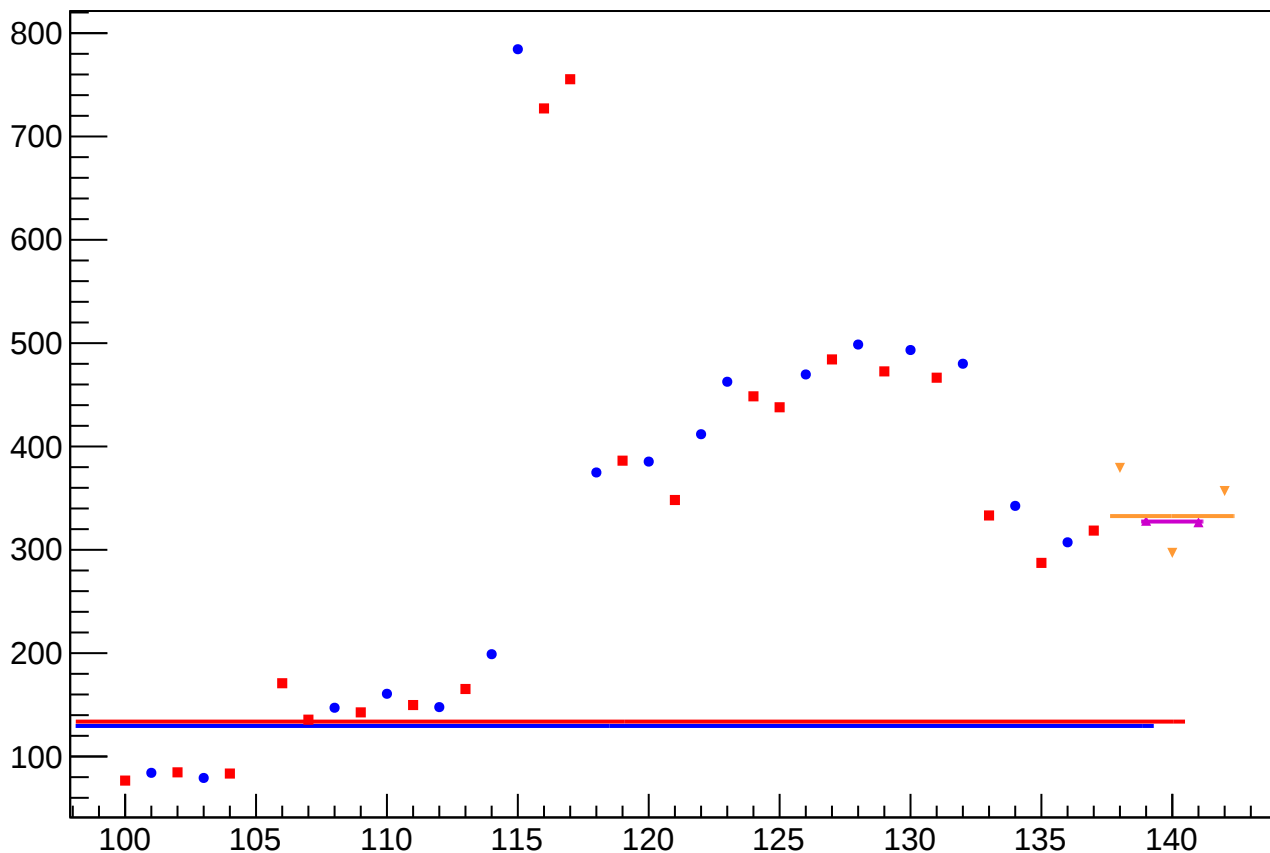
Right Out: -103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

Left In: 299.275 $\pm$ 262.483 χ^2 /NDF: 1.0/1

104.671 $\pm$ 61.071 χ^2 /NDF: 23.3/19

-82.632 $\pm$ 59.277 χ^2 /NDF: 25.5/21

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 332.656+/-0.169 χ^2/NDF : 48765.8/2

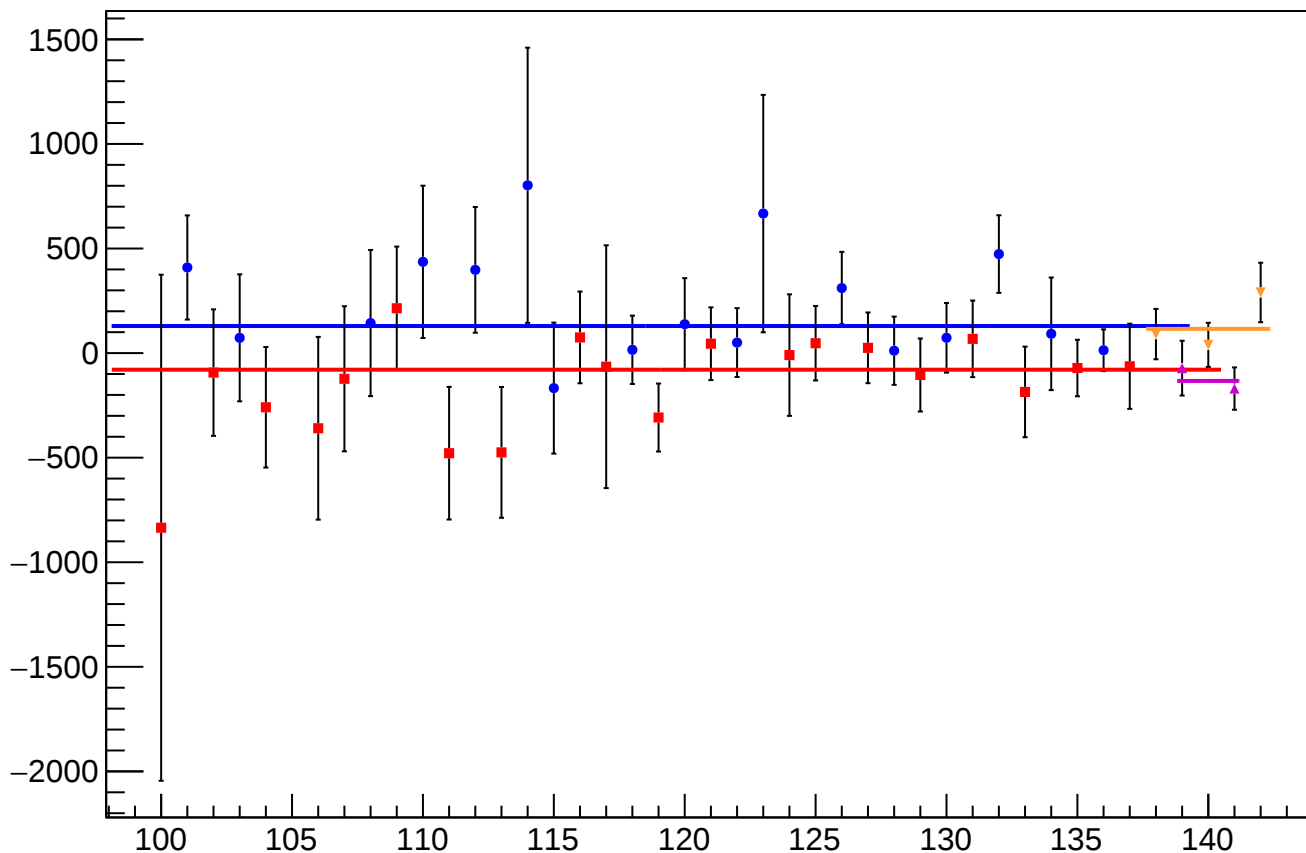
Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

Left In: 327.363+/-0.186 χ^2/NDF : 15.0/1

142.740+/-0.043 χ^2/NDF : 6164331.1/19

143.639+/-0.042 χ^2/NDF : 5457064.3/21

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 115.872 $\pm$ 69.278 χ^2 /NDF: 2.1/2

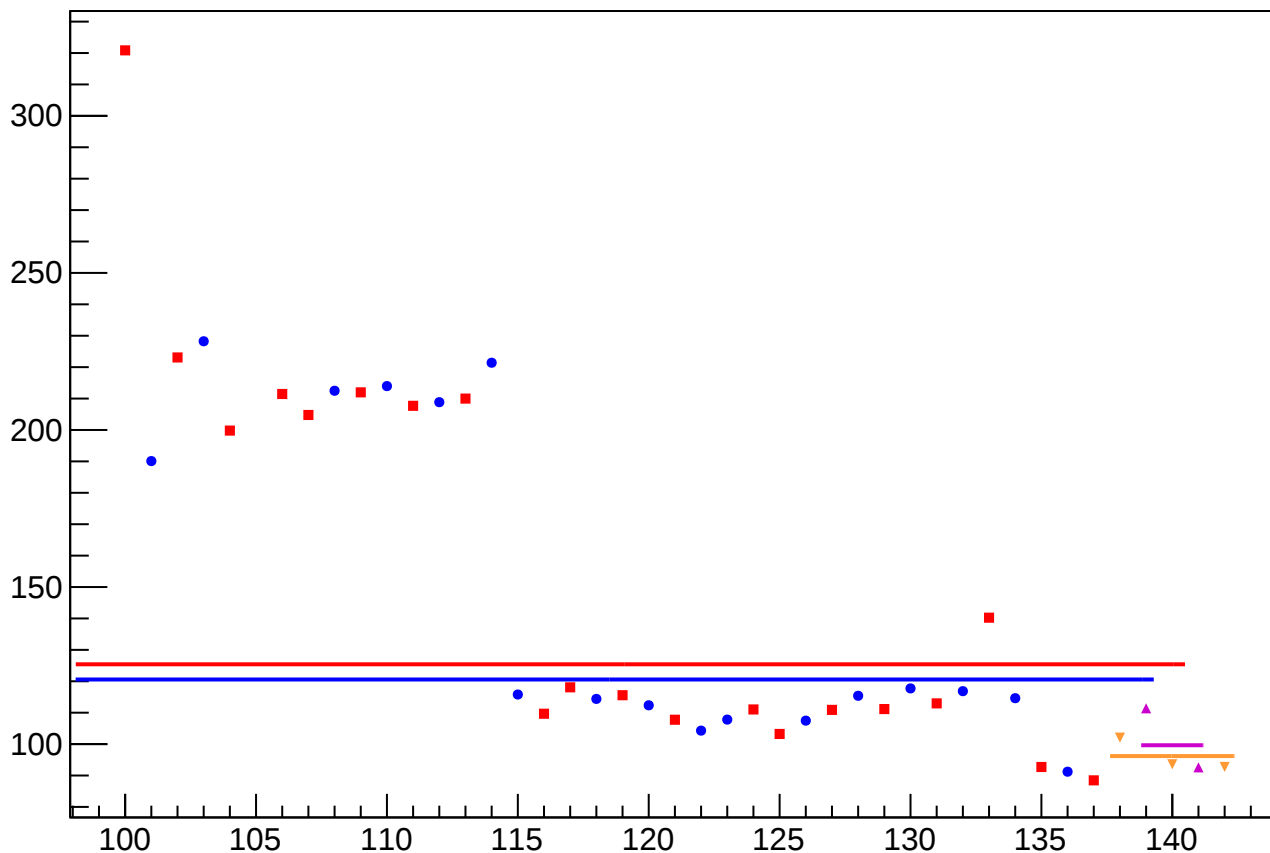
Right Out: -79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

Left In: -133.058 $\pm$ 80.109 χ^2 /NDF: 0.3/1

124.873 $\pm$ 40.071 χ^2 /NDF: 15.0/19

-94.298 $\pm$ 42.234 χ^2 /NDF: 10.9/21

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 96.185 $\pm$ 0.049 χ^2 /NDF: 7176.5/2

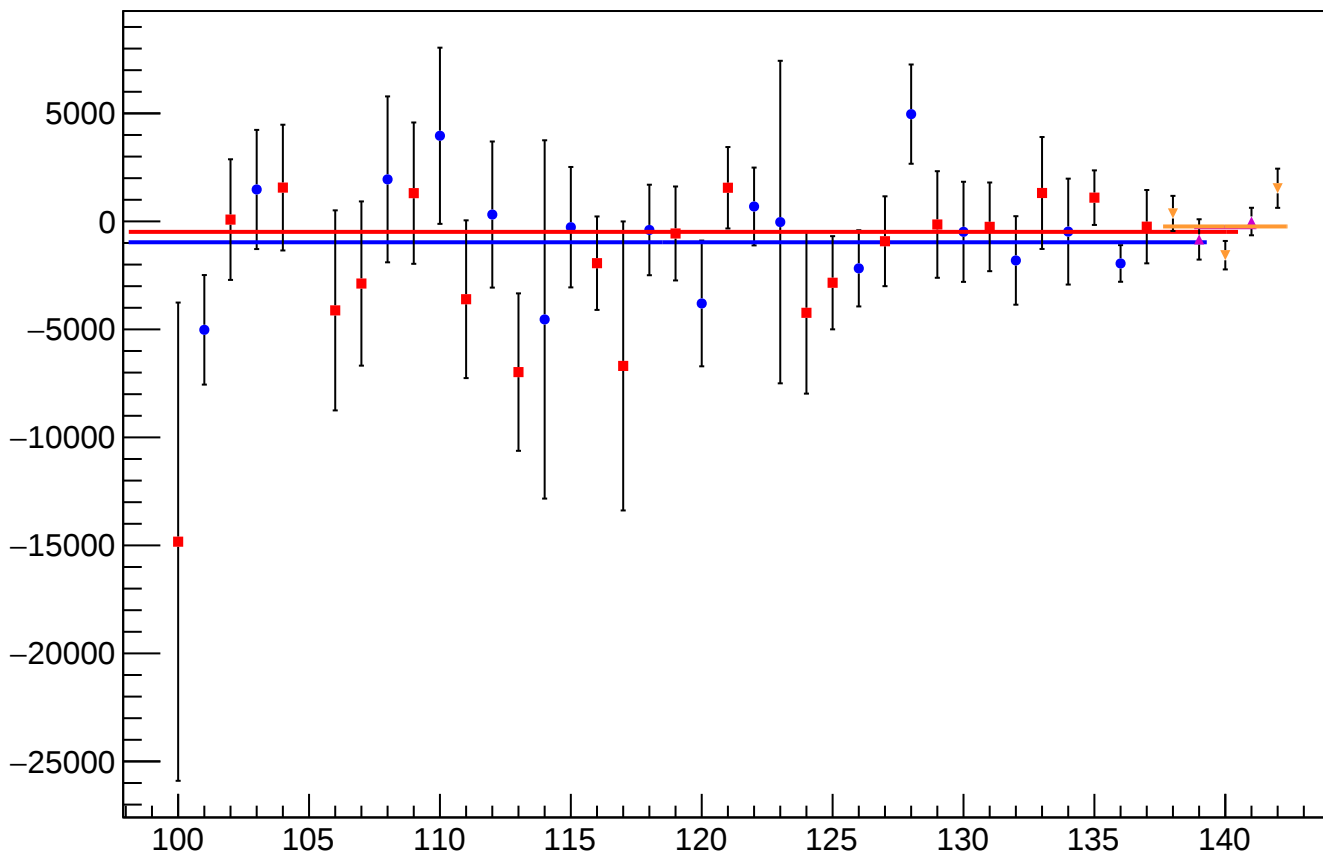
Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

Left In: 99.635 $\pm$ 0.057 χ^2 /NDF: 25776.6/1

112.409 $\pm$ 0.028 χ^2 /NDF: 1284077.8/19

118.242 $\pm$ 0.030 χ^2 /NDF: 1509284.5/21

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -235.439 ± 445.770 χ^2/NDF : 8.4/2

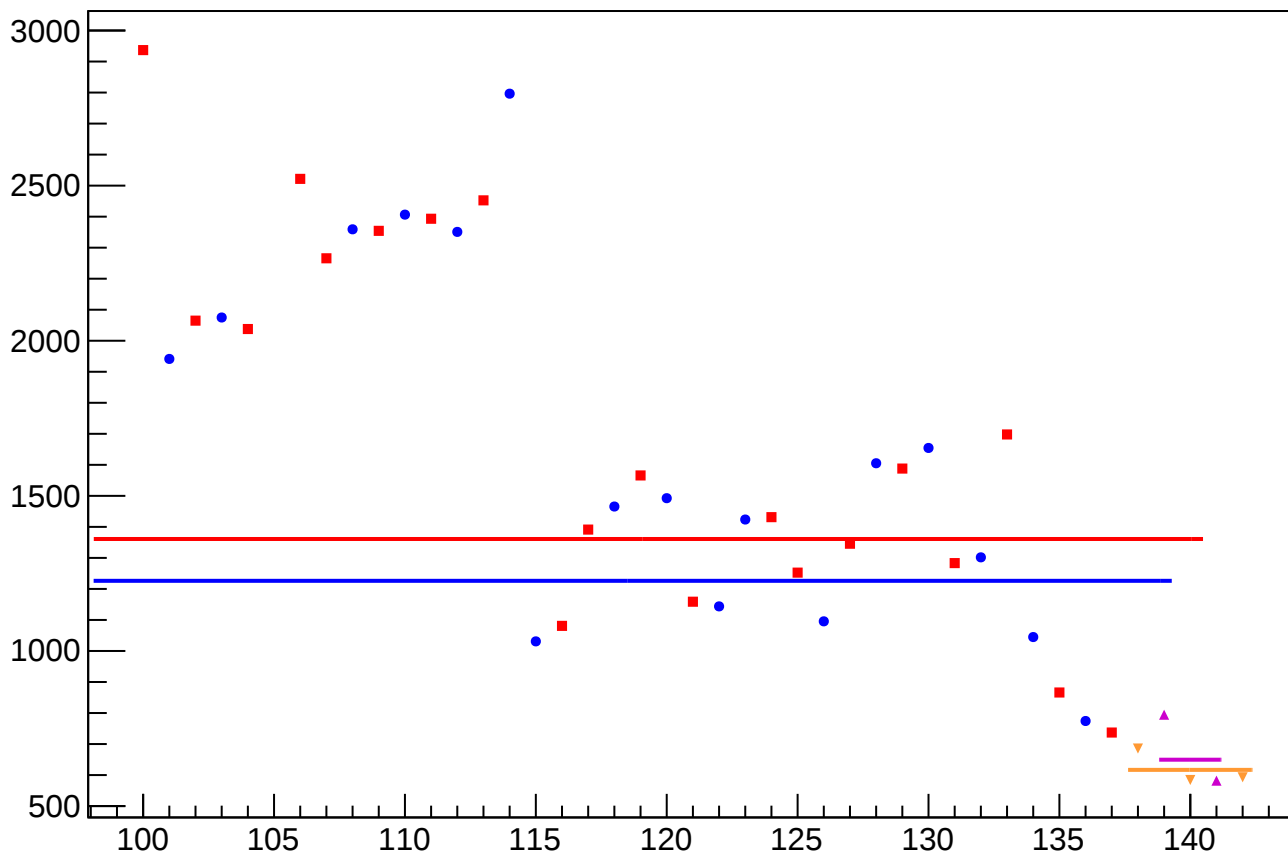
Right Out: -485.654 ± 543.567 χ^2/NDF : 14.3/19

Left In: -270.354 ± 526.085 χ^2/NDF : 0.5/1

-550.457 ± 336.297 χ^2/NDF : 26.0/19

-374.486 ± 378.028 χ^2/NDF : 14.9/21

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 616.758+/-0.315 χ^2/NDF : 20618.5/2

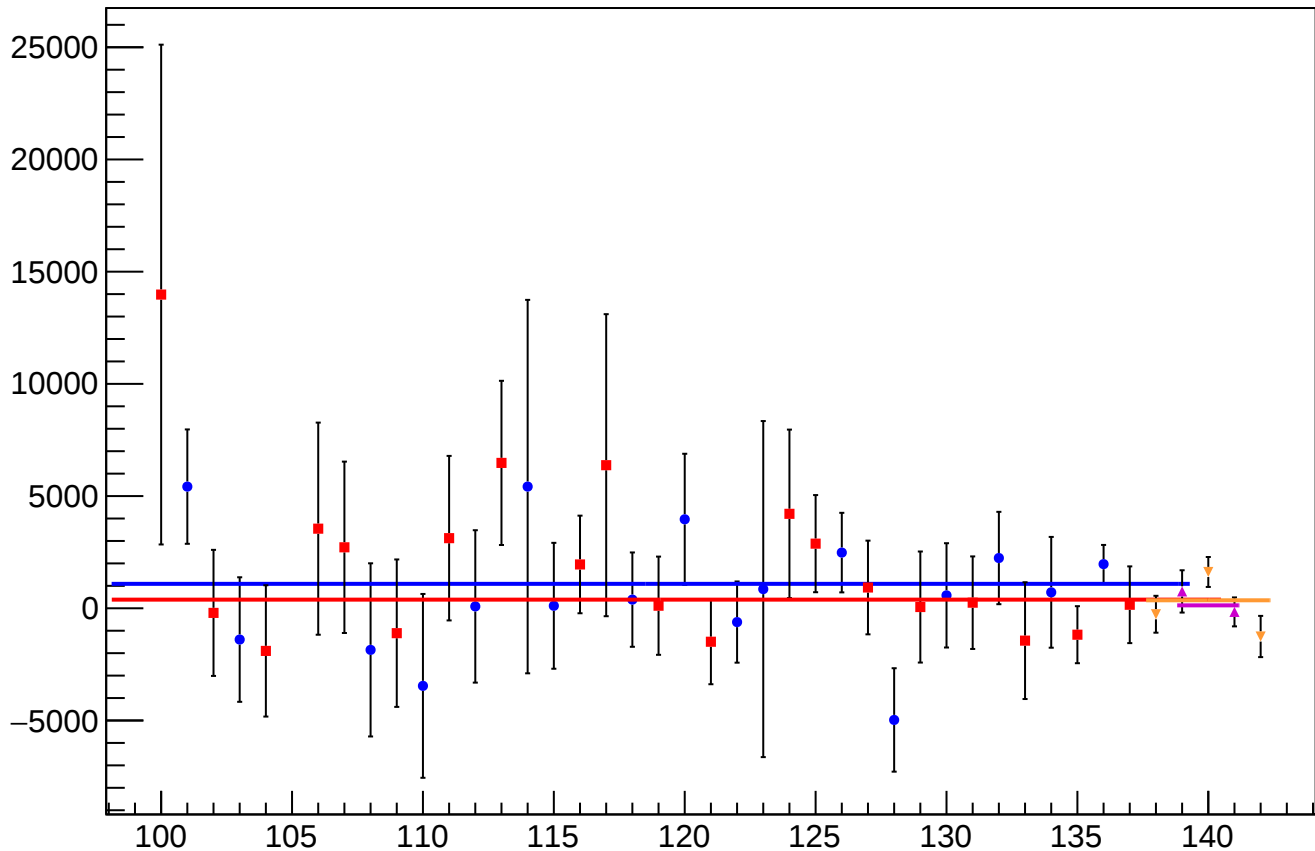
Right Out: 1360.972+/-0.384 χ^2/NDF : 1749116.2/19

Left In: 649.517+/-0.372 χ^2/NDF : 70801.0/1

879.310+/-0.238 χ^2/NDF : 3387249.8/19

993.620+/-0.267 χ^2/NDF : 3589020.9/21

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 355.963 $\pm$ 451.211 χ^2 /NDF: 7.2/2

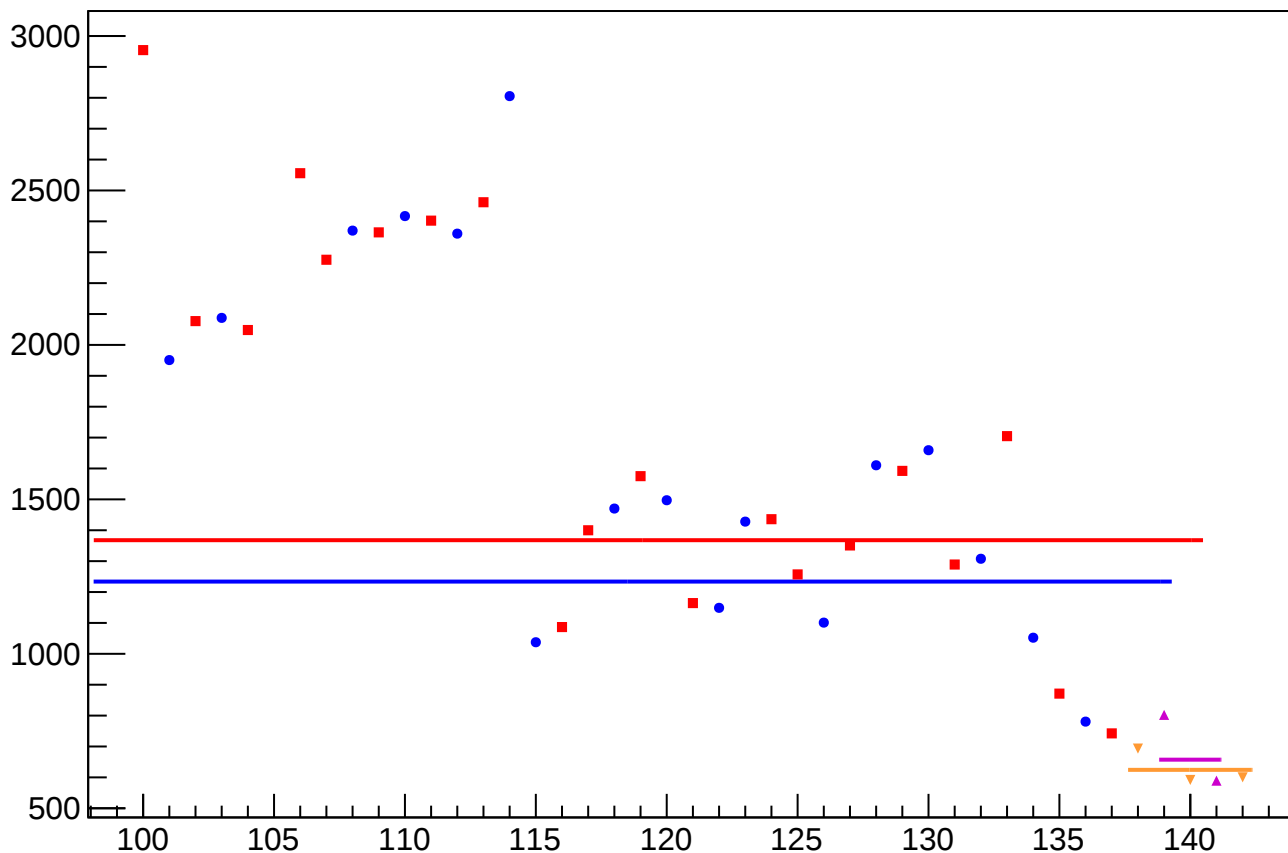
Right Out: 385.391 $\pm$ 546.382 χ^2 /NDF: 13.3/19

Left In: 130.002 $\pm$ 532.277 χ^2 /NDF: 0.6/1

674.135 $\pm$ 339.457 χ^2 /NDF: 25.3/19

254.358 $\pm$ 381.266 χ^2 /NDF: 14.0/21

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 624.358+/-0.319 χ^2/NDF : 20231.2/2

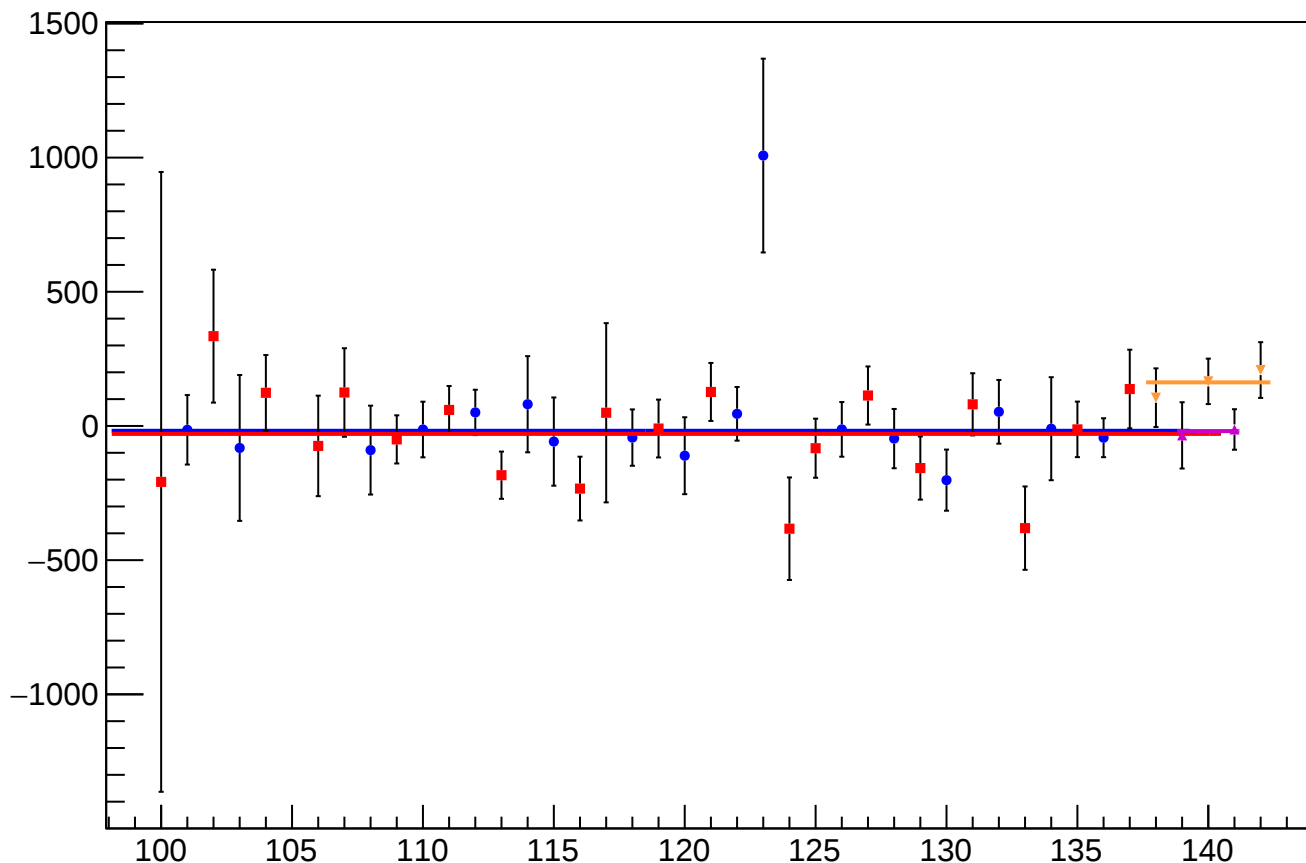
Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

Left In: 657.308+/-0.376 χ^2/NDF : 69564.7/1

888.887+/-0.240 χ^2/NDF : 3348158.5/19

1003.276+/-0.270 χ^2/NDF : 3549458.3/21

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 162.485 ± 56.261 χ^2/NDF : 0.5/2

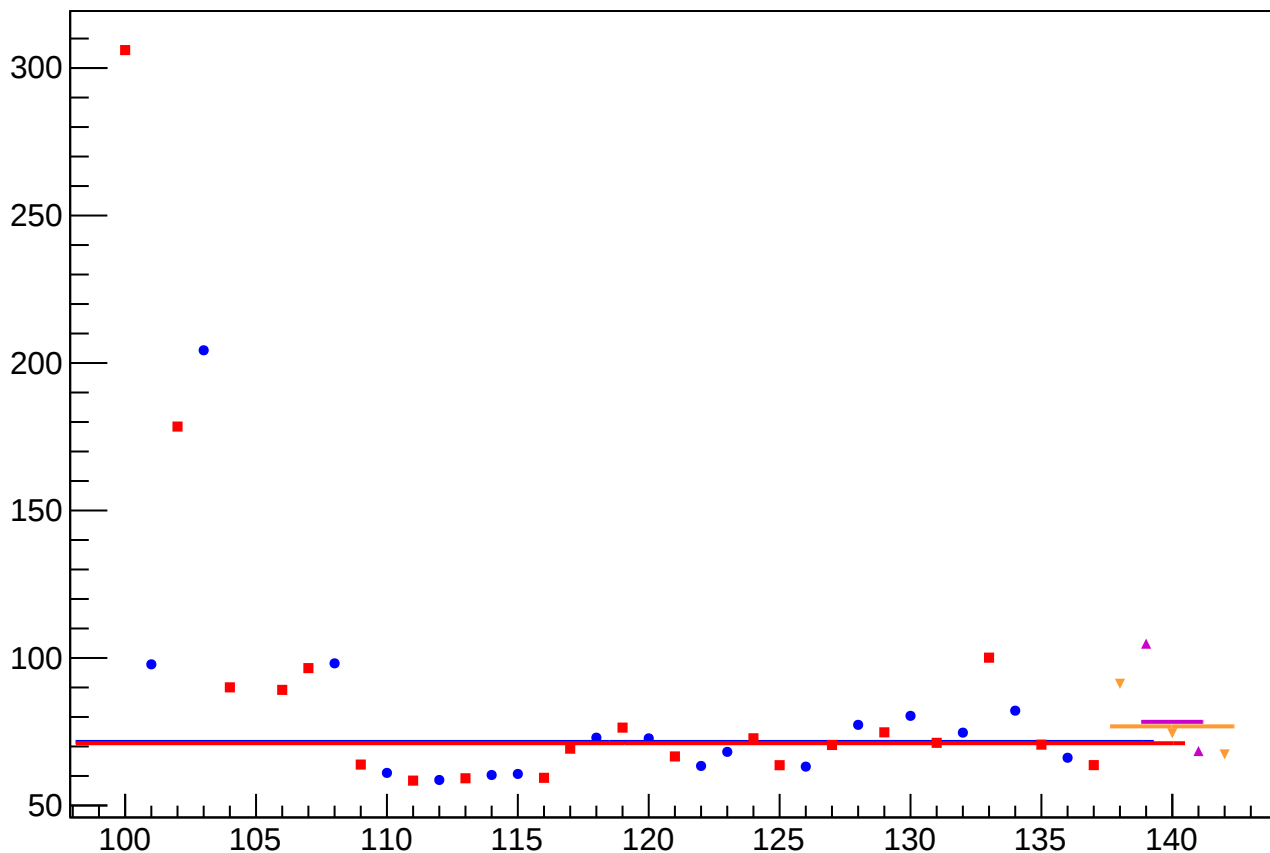
Right Out: -29.517 ± 27.879 χ^2/NDF : 27.5/19

Left In: -19.035 ± 64.402 χ^2/NDF : 0.0/1

19.596 ± 25.670 χ^2/NDF : 22.0/19

-27.863 ± 25.584 χ^2/NDF : 27.5/21

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 76.814 $\pm$ 0.040 χ^2 /NDF: 53143.0/2

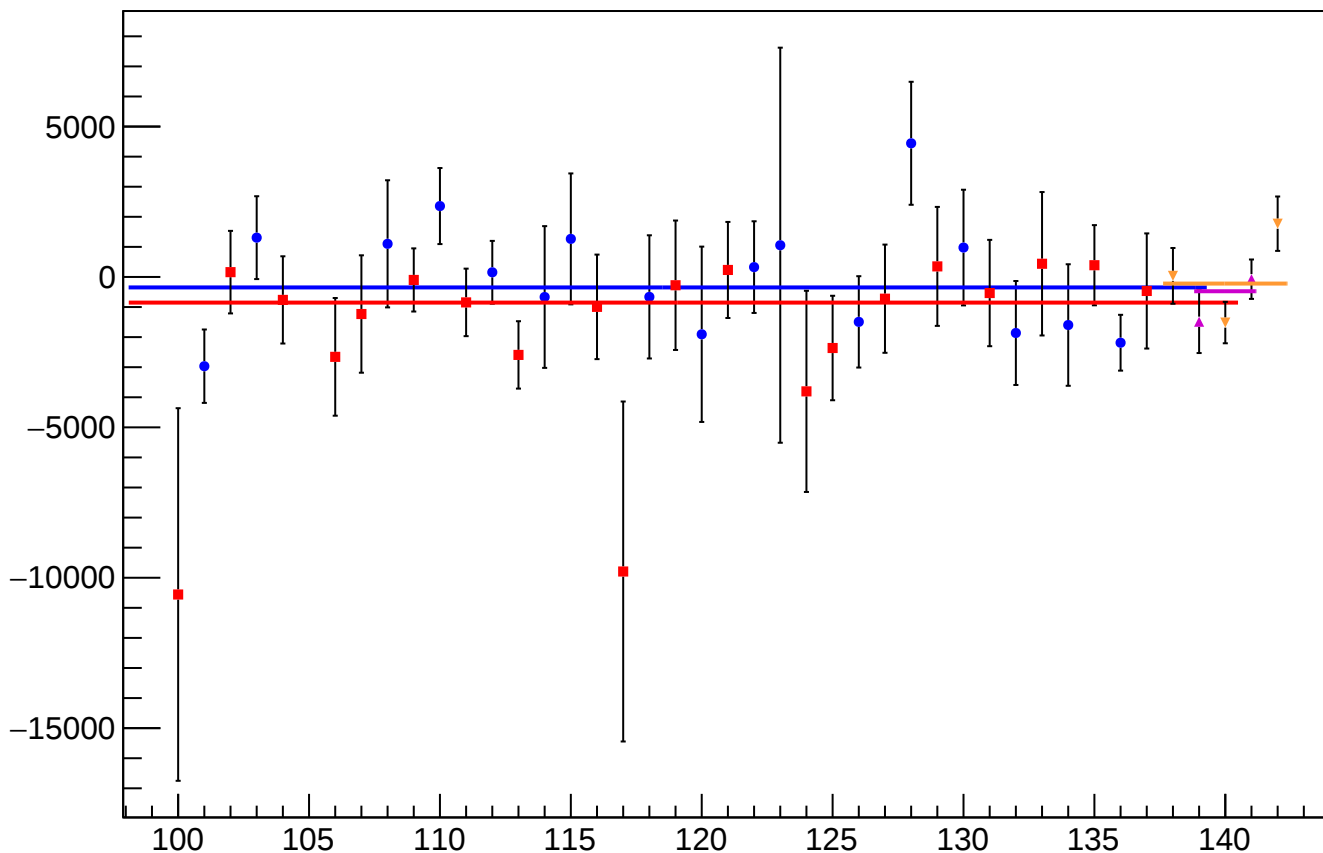
Right Out: 71.102 $\pm$ 0.020 χ^2 /NDF: 765220.8/19

Left In: 78.353 $\pm$ 0.046 χ^2 /NDF: 126517.1/1

72.635 $\pm$ 0.018 χ^2 /NDF: 826042.3/19

72.246 $\pm$ 0.018 χ^2 /NDF: 913091.9/21

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -219.776+/-471.565 χ^2/NDF : 8.5/2

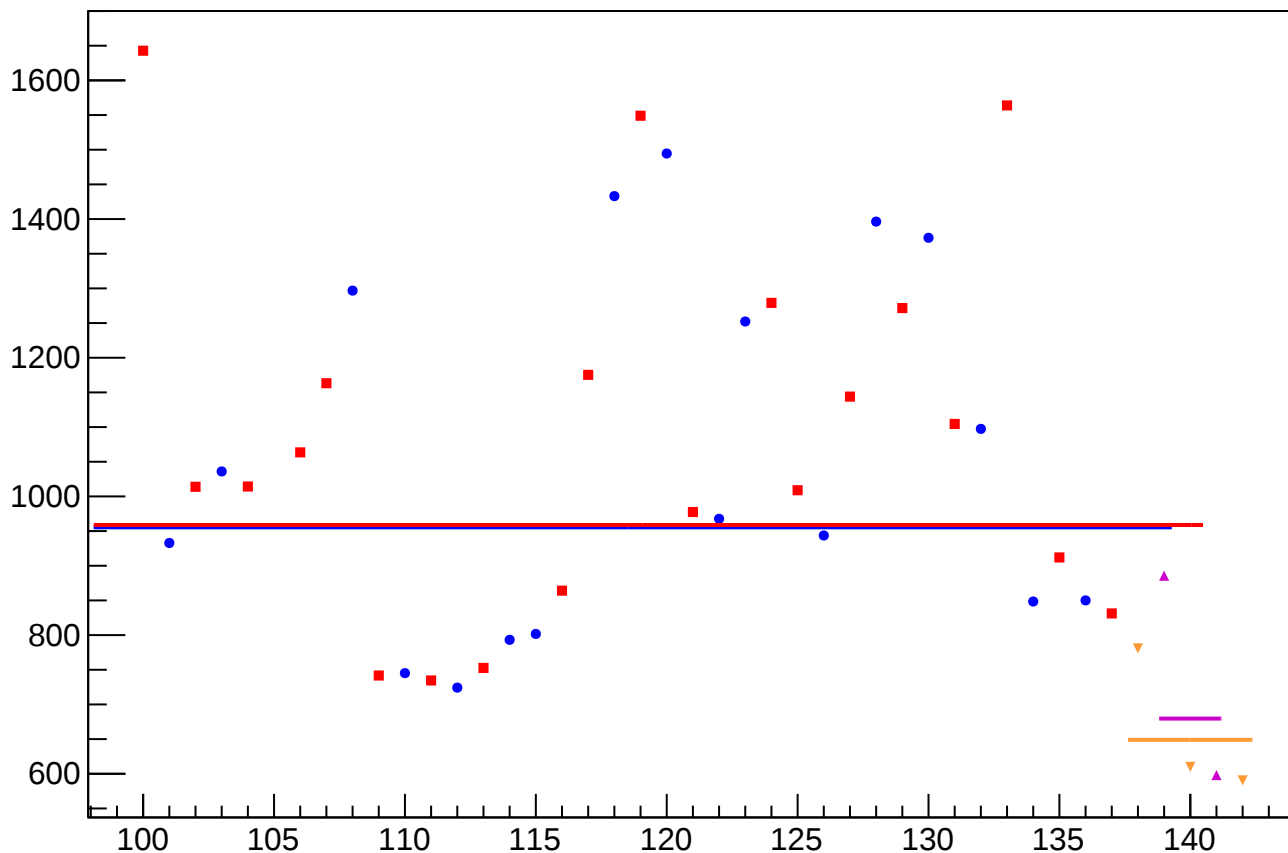
Right Out: -852.433+/-369.018 χ^2/NDF : 13.0/19

Left In: -474.902+/-554.550 χ^2/NDF : 1.3/1

-297.160+/-296.826 χ^2/NDF : 32.6/19

-736.567+/-307.216 χ^2/NDF : 14.6/21

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 648.972+/-0.333 χ^2/NDF : 55246.6/2

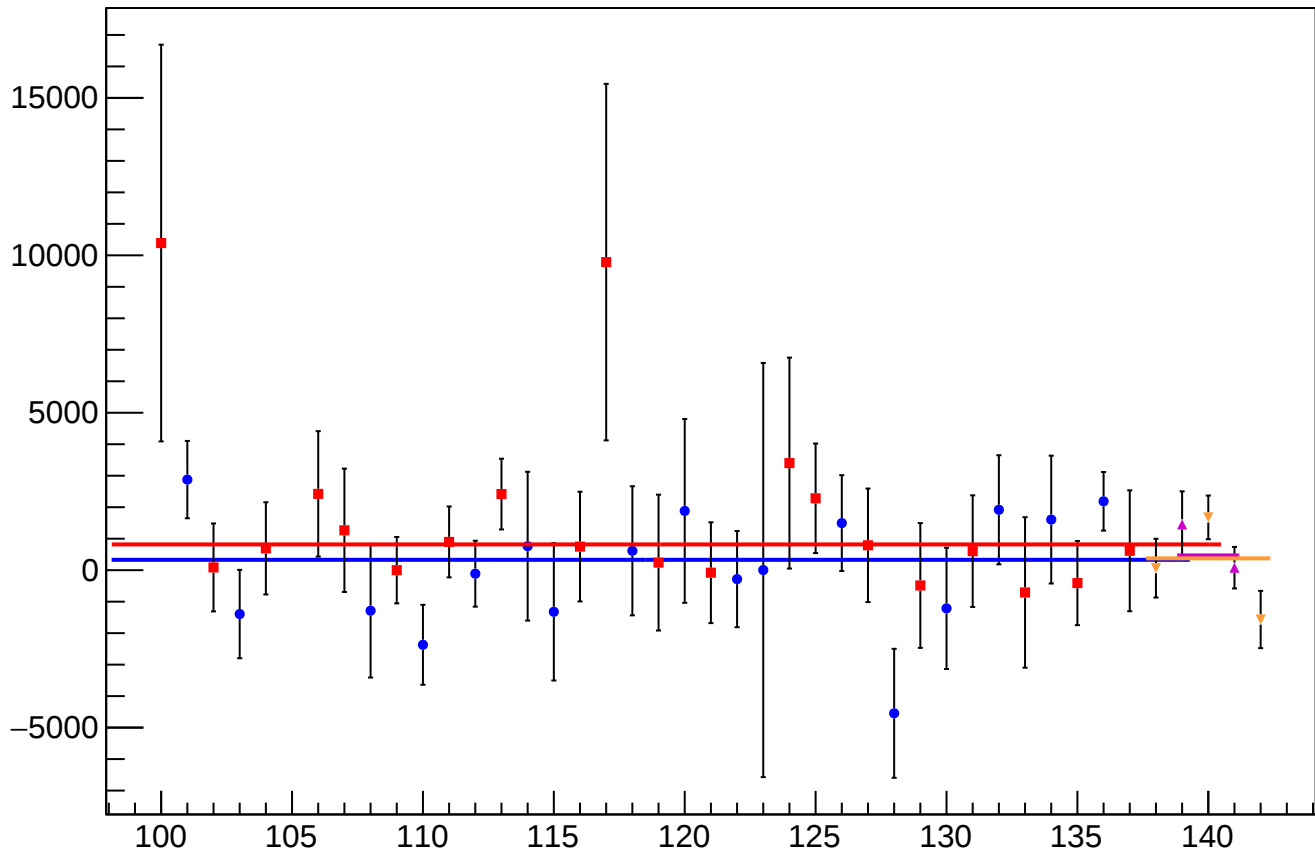
Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

Left In: 679.613+/-0.392 χ^2/NDF : 109158.5/1

834.007+/-0.210 χ^2/NDF : 1211754.2/19

873.099+/-0.217 χ^2/NDF : 1156473.3/21

asym_sam_37_avg_mean vs Slug



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 375.401+/-475.007 χ^2/NDF : 8.2/2

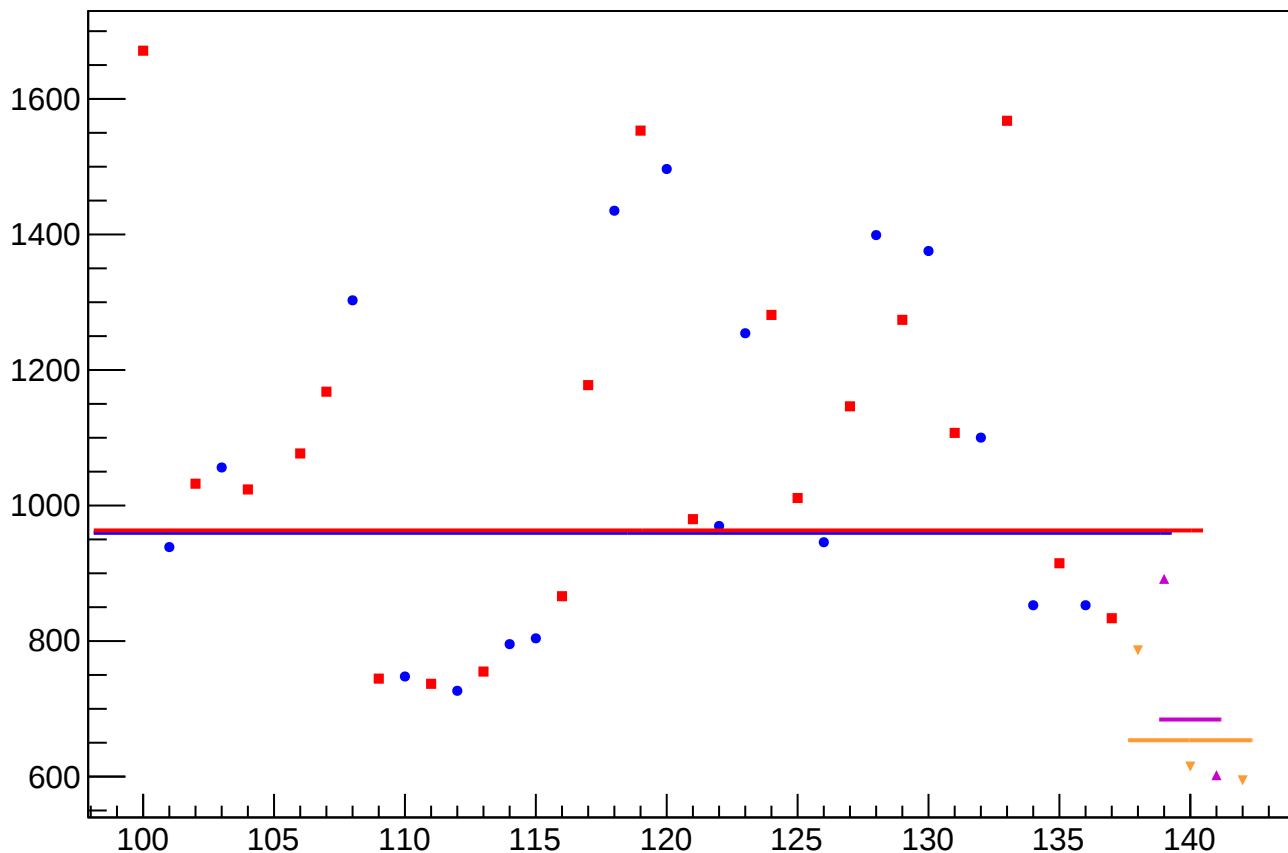
Right Out: 818.253+/-370.875 χ^2/NDF : 11.8/19

Left In: 469.153+/-558.352 χ^2/NDF : 1.2/1

347.423+/-298.497 χ^2/NDF : 32.5/19

711.381+/-308.933 χ^2/NDF : 13.3/21

asym_sam_37_avg_rms vs Slug



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 653.667+/-0.336 χ^2/NDF : 55137.0/2

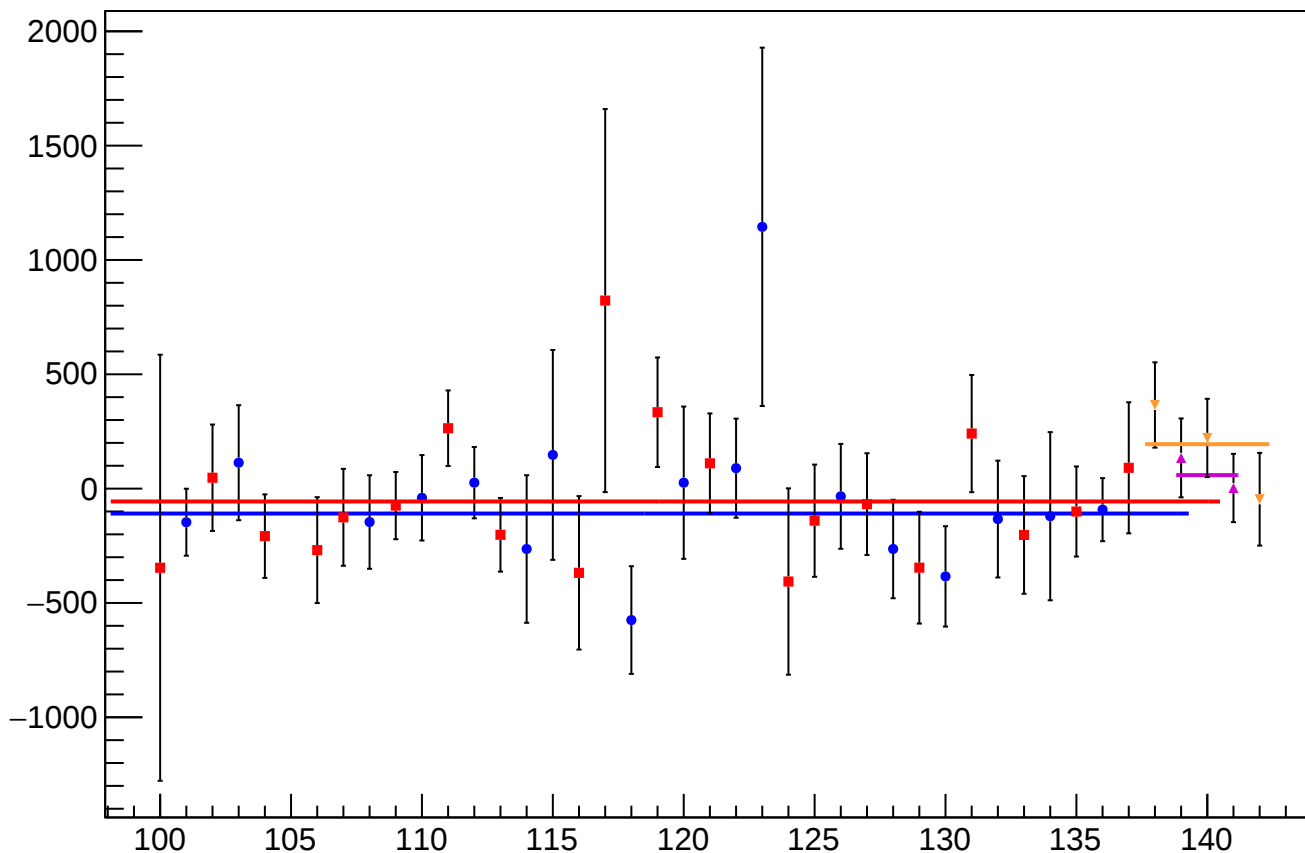
Right Out: 963.238+/-0.262 χ^2/NDF : 698638.3/19

Left In: 684.234+/-0.395 χ^2/NDF : 109309.2/1

838.892+/-0.211 χ^2/NDF : 1204439.0/19

877.825+/-0.218 χ^2/NDF : 1154452.6/21

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977+/-52.923 χ^2/NDF : 12.0/16

Left Out: 194.333+/-107.116 χ^2/NDF : 2.3/2

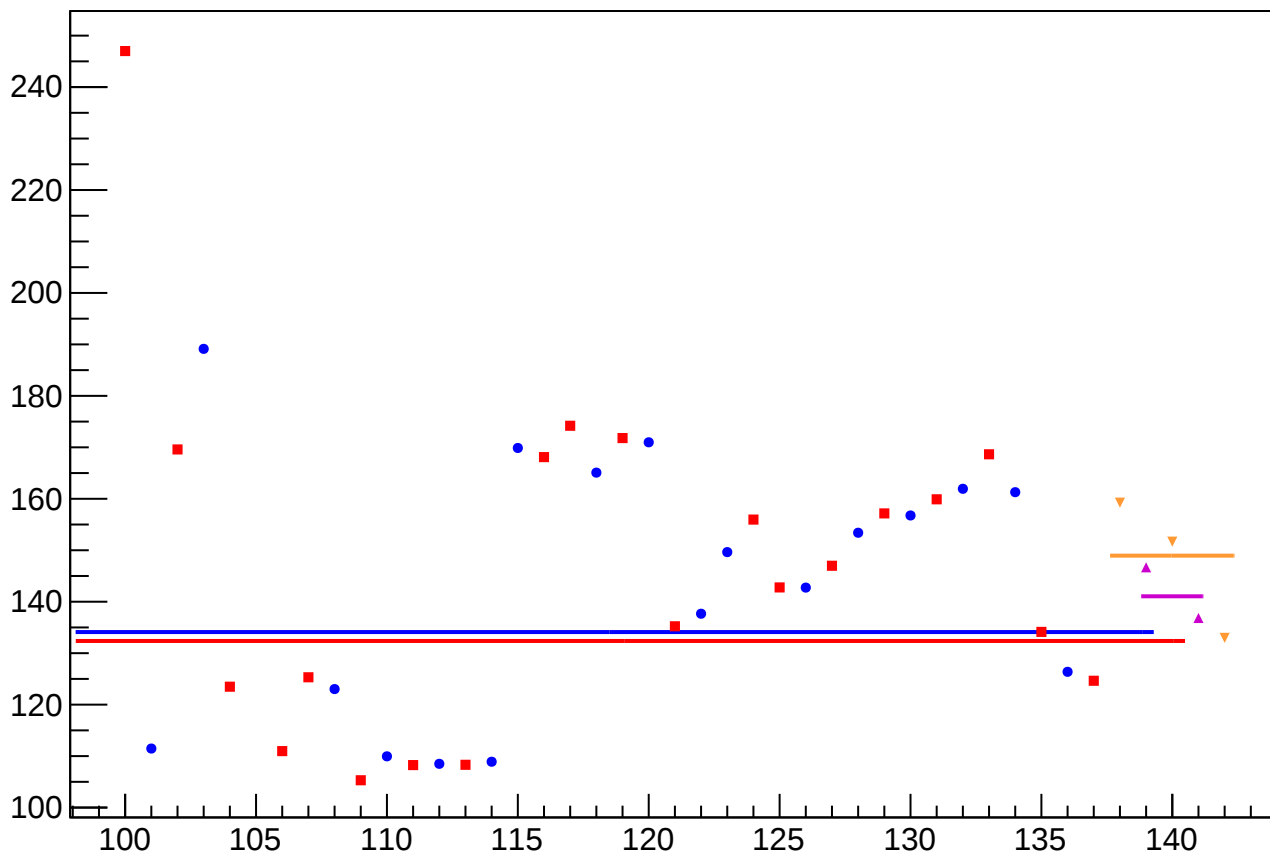
Right Out: -56.241+/-50.729 χ^2/NDF : 16.0/19

Left In: 59.062+/-112.904 χ^2/NDF : 0.3/1

-49.465+/-47.448 χ^2/NDF : 20.7/19

-36.874+/-46.273 χ^2/NDF : 17.2/21

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 $\pm$ 0.037 χ^2/NDF : 402581.2/16

Left Out: 148.952 $\pm$ 0.076 χ^2/NDF :19011.8/2

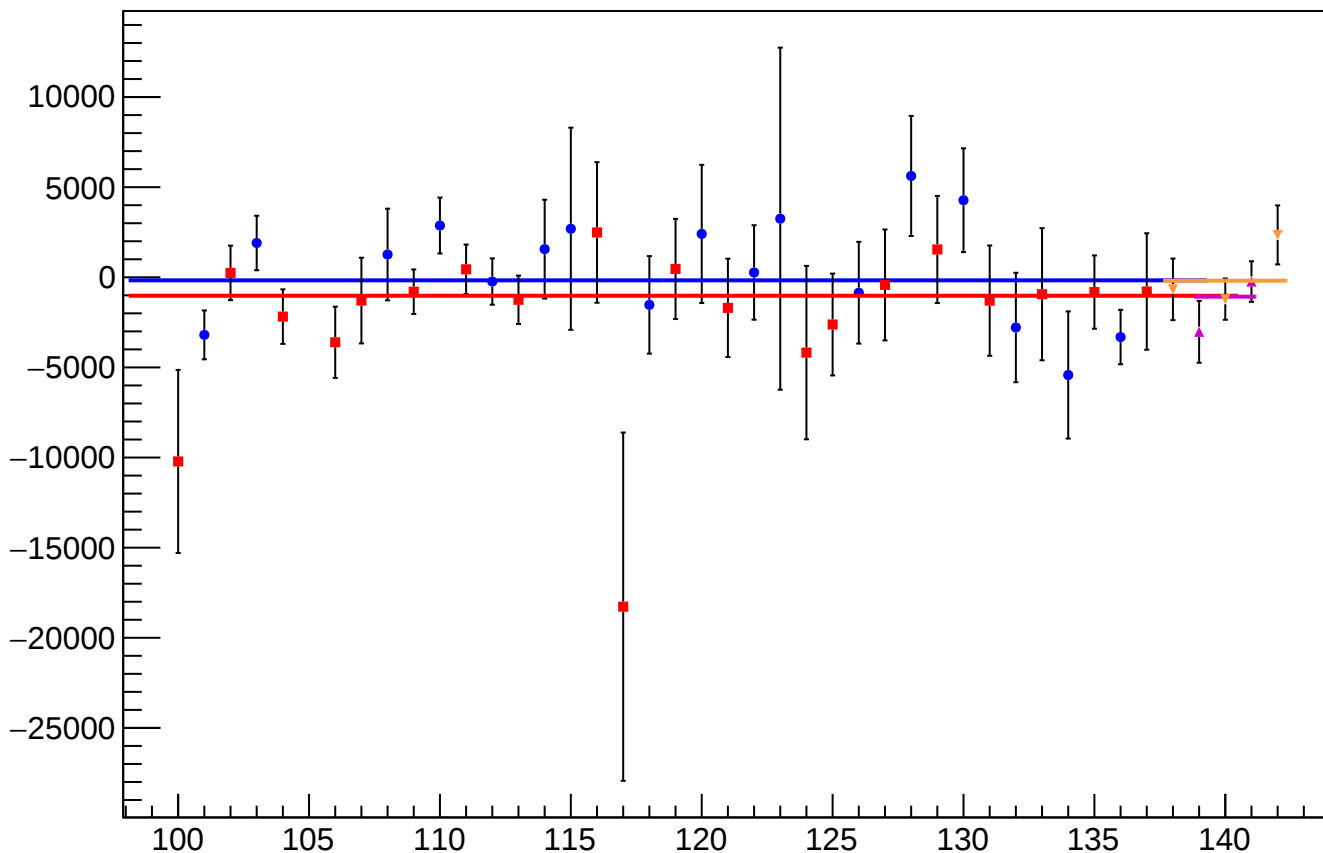
Right Out: 132.373 $\pm$ 0.036 χ^2/NDF : 446741.9/19

Left In: 141.053 $\pm$ 0.080 χ^2/NDF :3721.1/1

137.017 $\pm$ 0.034 χ^2/NDF : 452485.5/19

133.831 $\pm$ 0.033 χ^2/NDF : 460298.2/21

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237+/-523.672 χ^2/NDF : 25.3/16

Left Out: -186.133+/-822.313 χ^2/NDF : 3.3/2

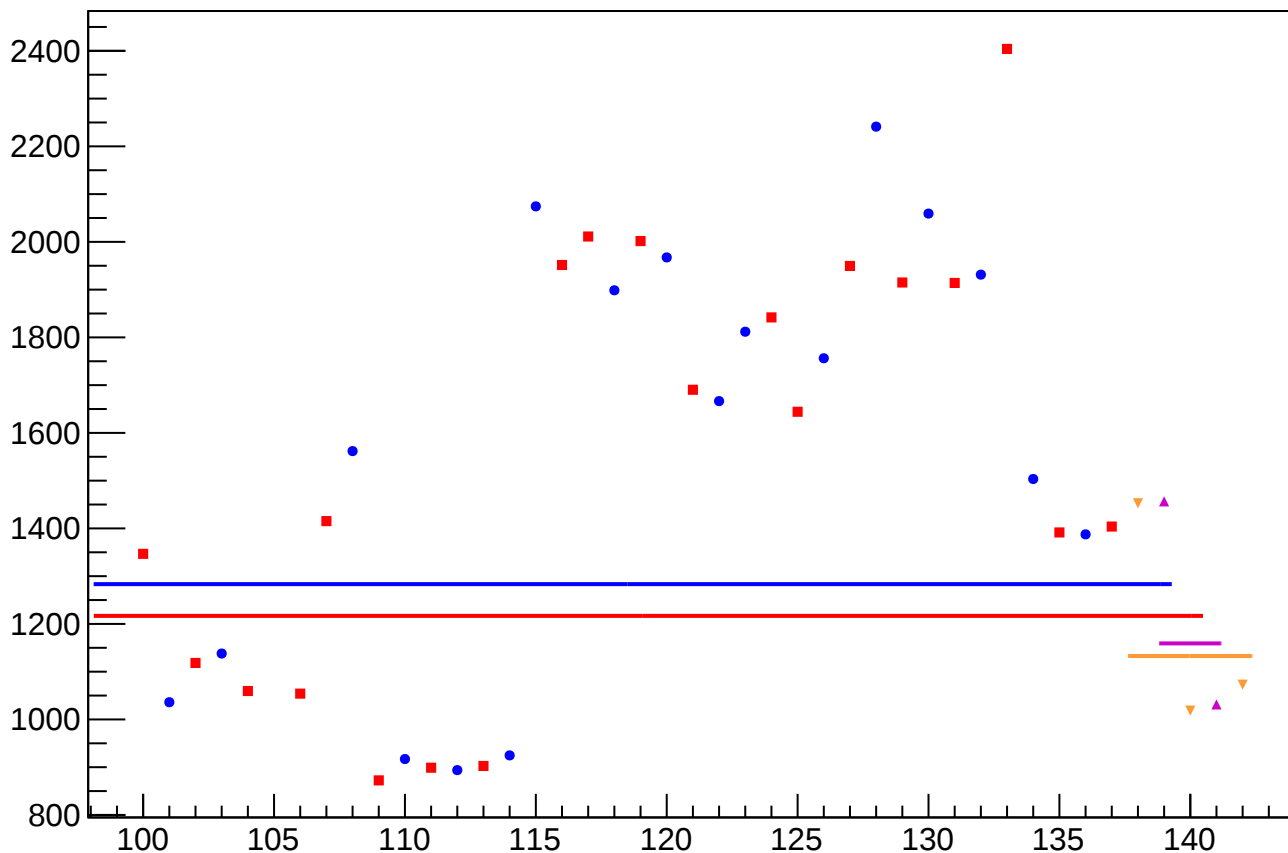
Right Out: -1023.271+/-480.373 χ^2/NDF : 13.4/19

Left In: -1072.739+/-941.219 χ^2/NDF : 1.8/1

-173.400+/-441.709 χ^2/NDF : 28.6/19

-1033.494+/-427.869 χ^2/NDF : 15.2/21

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1132.767+/-0.581 χ^2/NDF : 92724.4/2

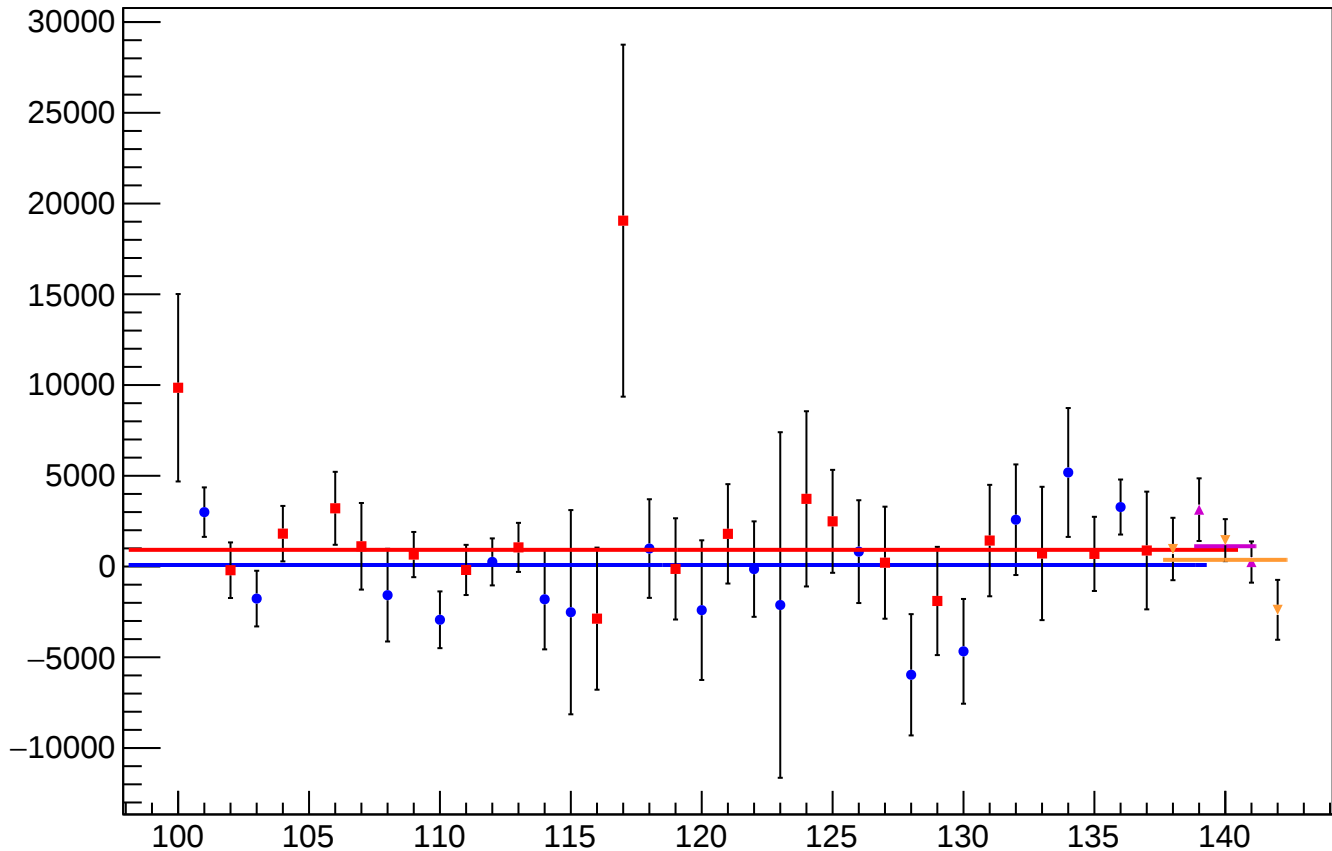
Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

Left In: 1159.212+/-0.666 χ^2/NDF : 85798.4/1

1239.879+/-0.312 χ^2/NDF : 1309851.1/19

1204.940+/-0.303 χ^2/NDF : 1466165.0/21

asym_sam_48_avg_mean vs Slug



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 368.233+/-830.004 χ^2/NDF : 3.8/2

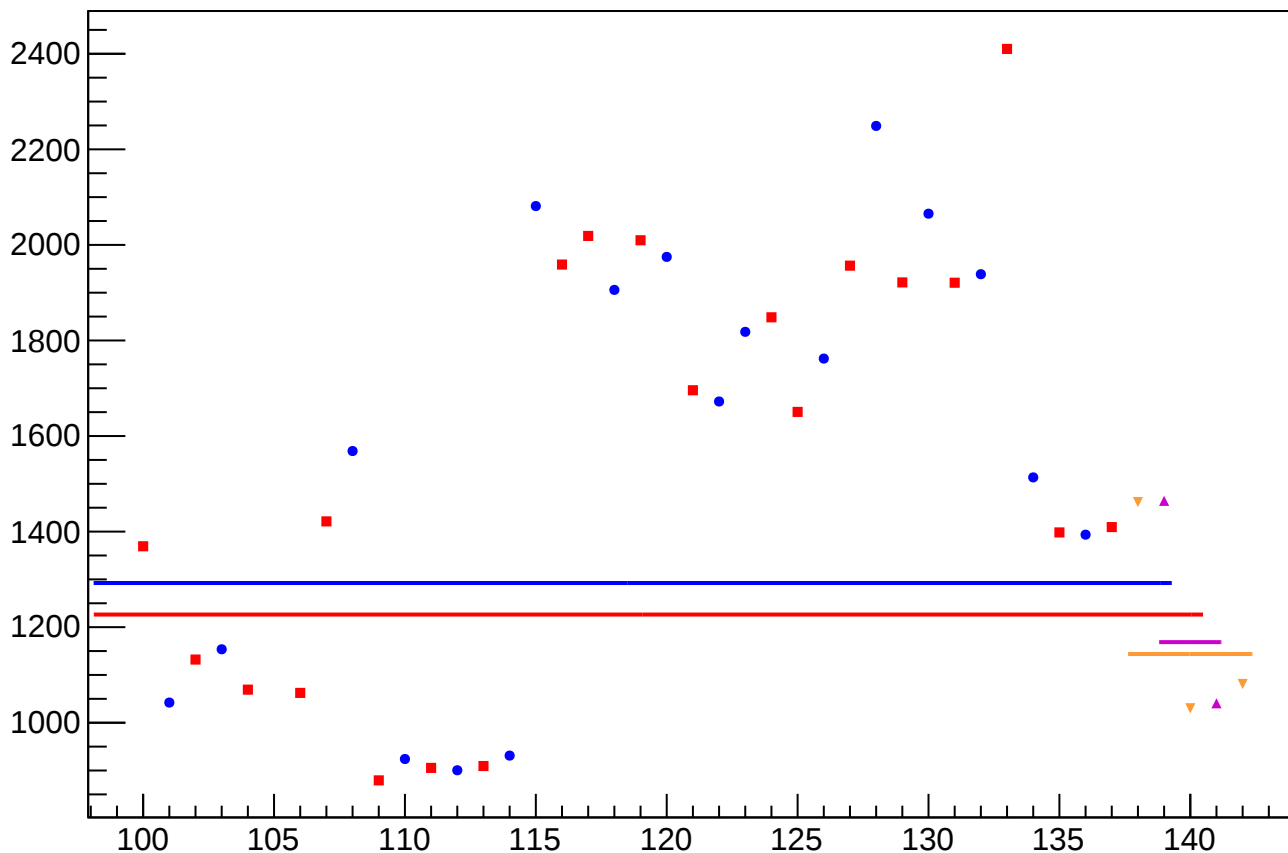
Right Out: 919.892+/-484.043 χ^2/NDF : 12.2/19

Left In: 1118.818+/-948.583 χ^2/NDF : 2.0/1

166.450+/-444.947 χ^2/NDF : 28.6/19

960.988+/-431.153 χ^2/NDF : 14.2/21

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1143.749+/-0.587 χ^2/NDF : 90543.7/2

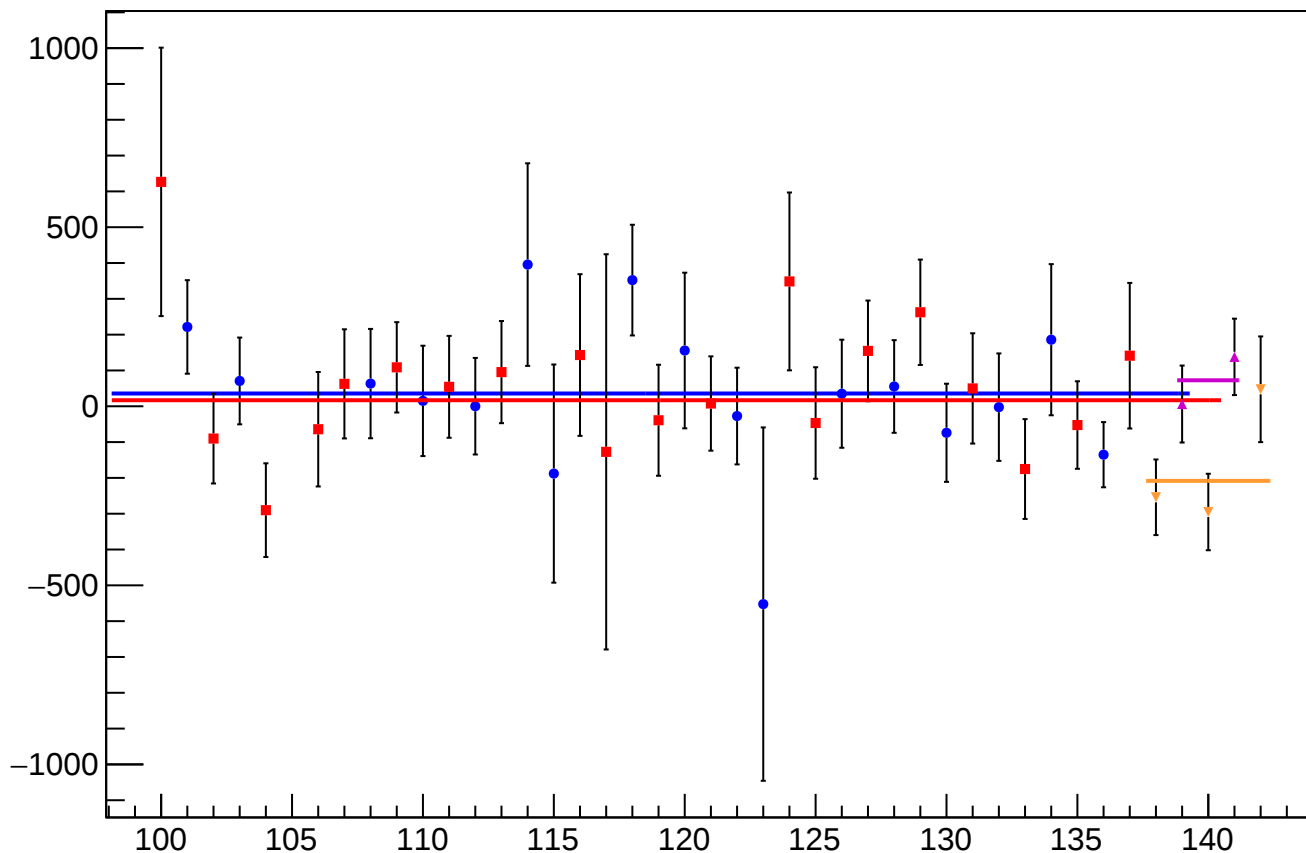
Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

Left In: 1168.671+/-0.671 χ^2/NDF : 84120.1/1

1249.699+/-0.315 χ^2/NDF : 1292851.0/19

1214.480+/-0.305 χ^2/NDF : 1449133.7/21

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -208.280+/-66.907 χ^2/NDF : 3.9/2

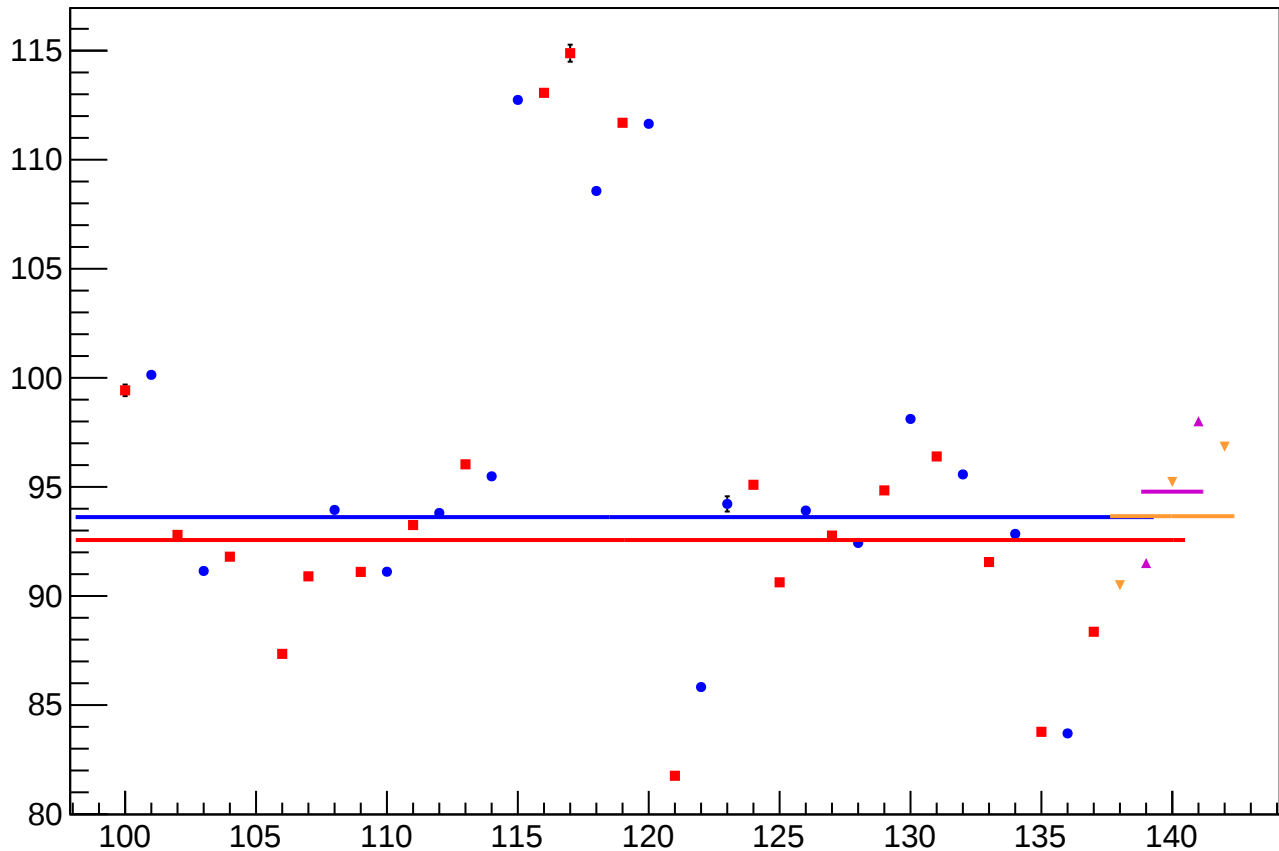
Right Out: 16.849+/-34.623 χ^2/NDF : 19.0/19

Left In: 72.531+/-75.705 χ^2/NDF : 0.8/1

-19.920+/-31.941 χ^2/NDF : 29.4/19

26.480+/-31.486 χ^2/NDF : 20.2/21

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 93.657+/-0.047 χ^2/NDF : 3163.6/2

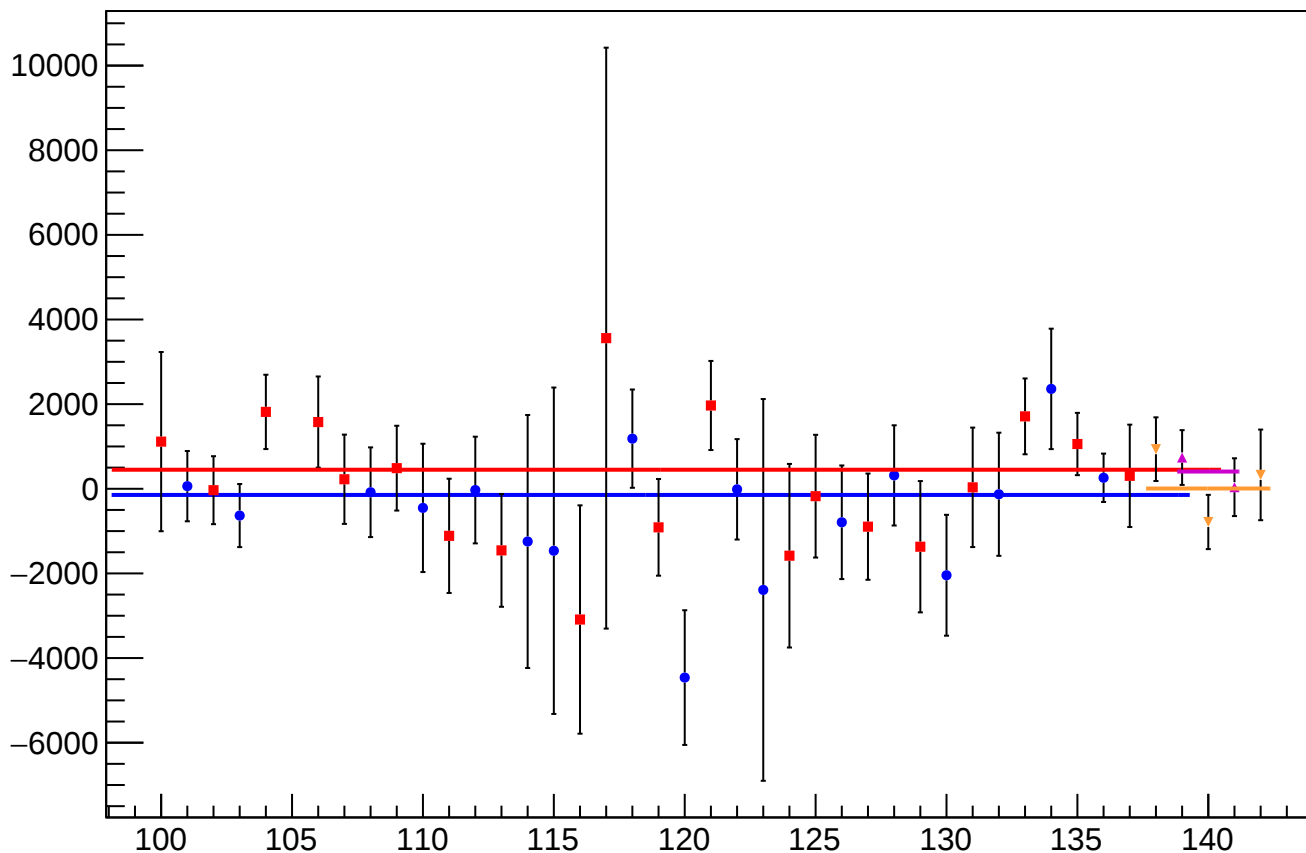
Right Out: 92.565+/-0.024 χ^2/NDF : 81875.5/19

Left In: 94.782+/-0.054 χ^2/NDF : 3685.2/1

93.625+/-0.023 χ^2/NDF : 83092.8/19

92.949+/-0.022 χ^2/NDF : 86979.1/21

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 $\pm$ 276.629 χ^2 /NDF: 15.5/16

Left Out: 6.398 $\pm$ 444.152 χ^2 /NDF:3.1/2

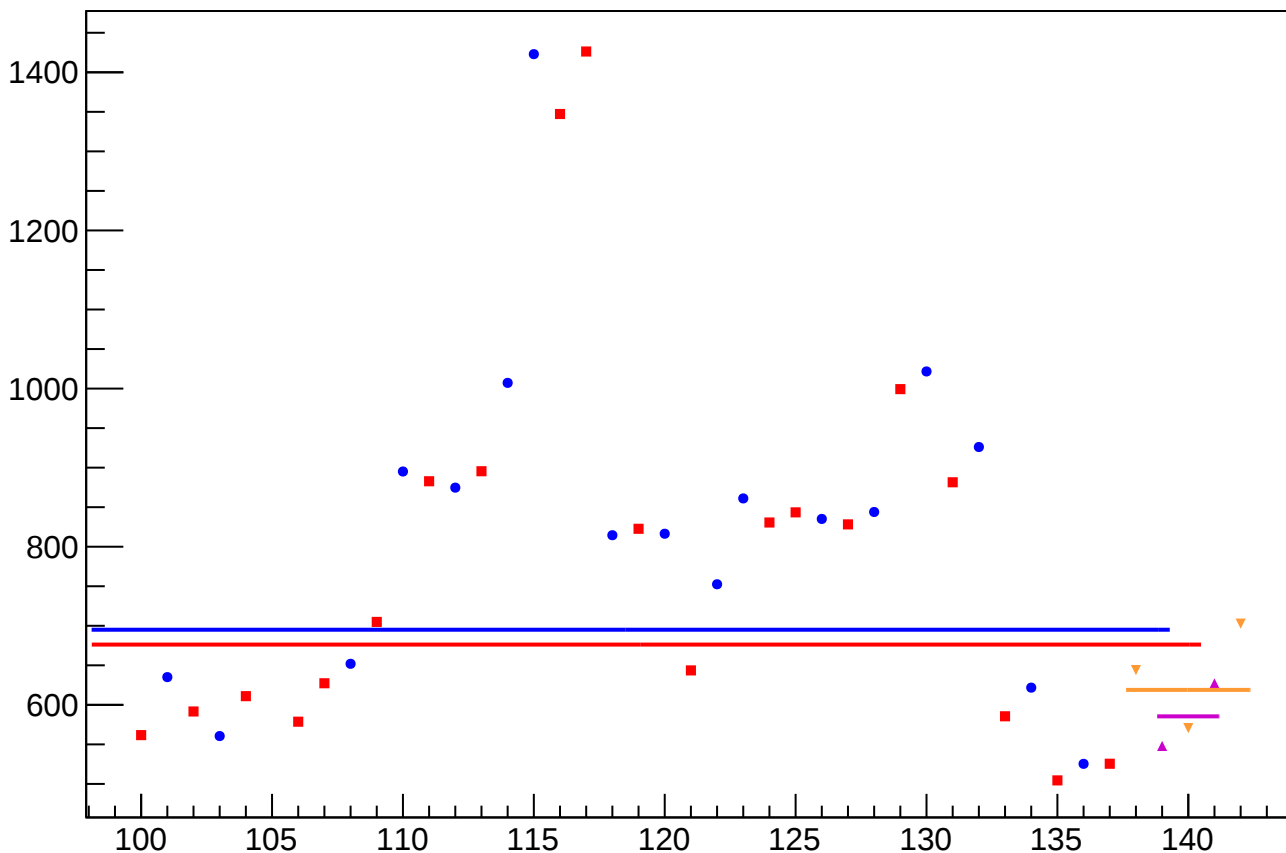
Right Out: 450.047 $\pm$ 260.089 χ^2 /NDF: 19.2/19

Left In: 407.111 $\pm$ 469.541 χ^2 /NDF:0.6/1

-103.020 $\pm$ 234.810 χ^2 /NDF: 18.7/19

439.966 $\pm$ 227.516 χ^2 /NDF: 19.7/21

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014+/-0.196 χ^2/NDF : 677713.0/16

Left Out: 618.921+/-0.314 χ^2/NDF :25813.4/2

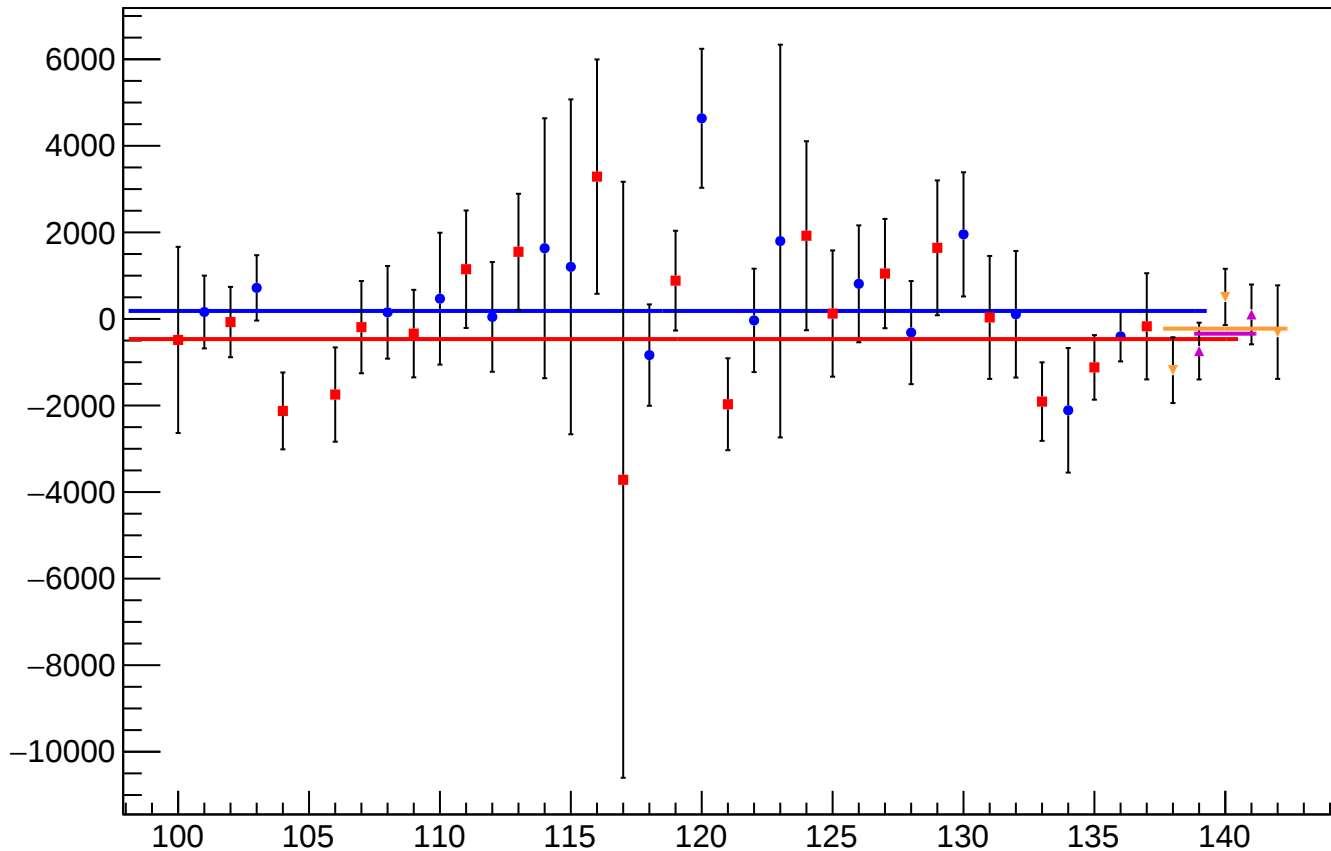
Right Out: 676.229+/-0.184 χ^2/NDF : 700313.6/19

Left In: 585.449+/-0.332 χ^2/NDF :14138.9/1

673.746+/-0.166 χ^2/NDF : 745821.7/19

654.915+/-0.161 χ^2/NDF : 771659.2/21

asym_sam_15_dd_mean vs Slug



Right In: 184.518+/-279.390 χ^2/NDF : 14.9/16

Left Out: -223.951+/-449.425 χ^2/NDF : 2.9/2

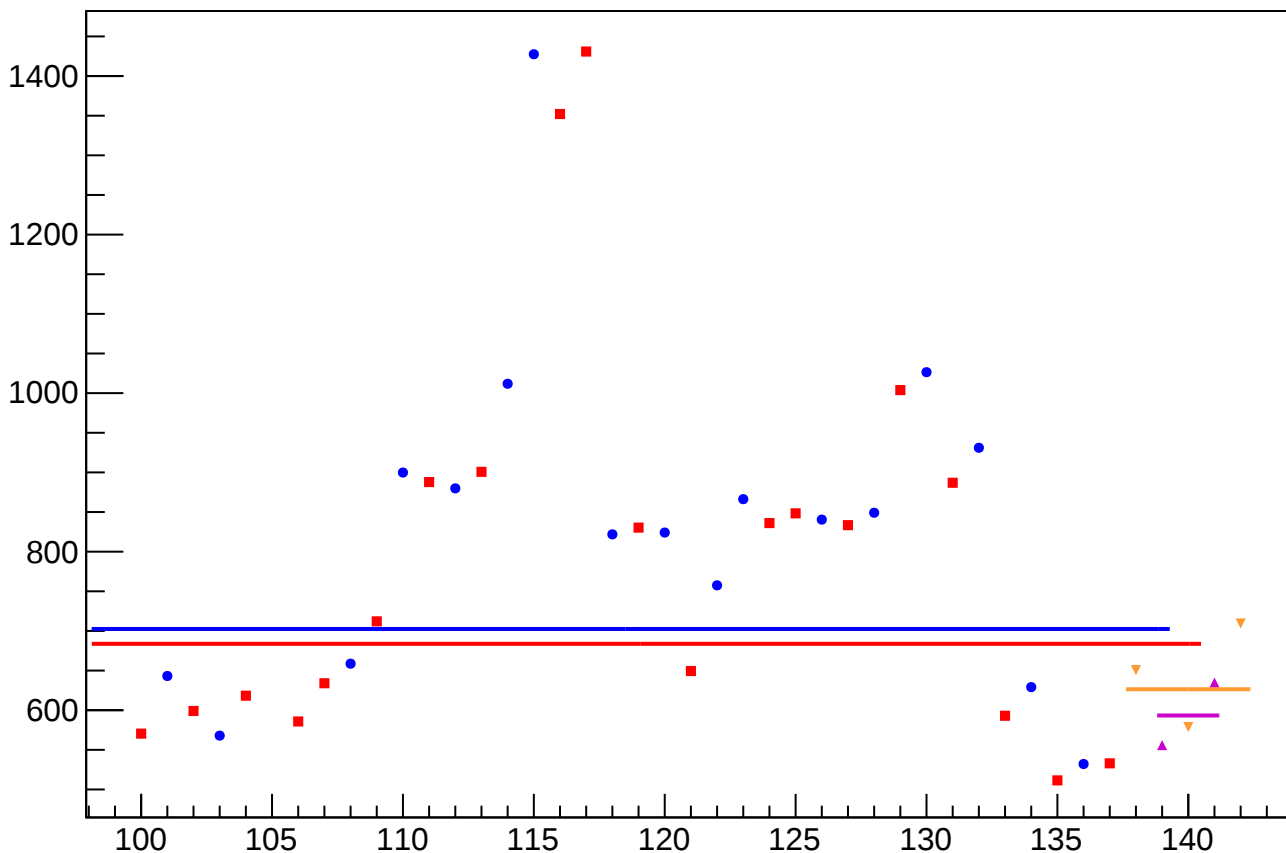
Right Out: -464.916+/-262.768 χ^2/NDF : 22.5/19

Left In: -340.830+/-475.768 χ^2/NDF : 0.8/1

70.661+/-237.278 χ^2/NDF : 18.4/19

-435.912+/-230.018 χ^2/NDF : 23.4/21

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 626.432+/-0.318 χ^2/NDF : 24565.1/2

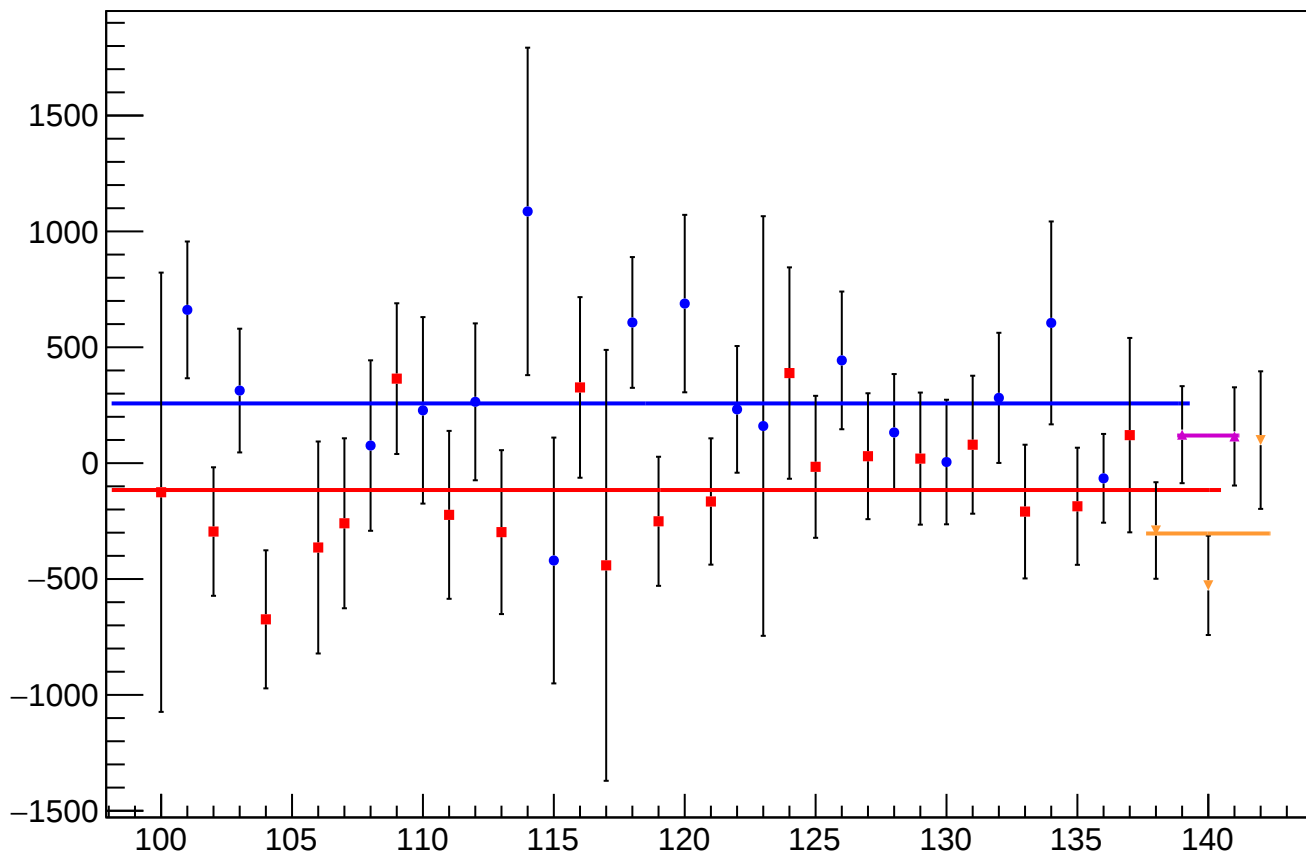
Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

Left In: 593.341+/-0.336 χ^2/NDF : 13700.0/1

681.274+/-0.168 χ^2/NDF : 726381.8/19

662.619+/-0.163 χ^2/NDF : 752146.3/21

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -303.500 ± 133.442 $\chi^2/\text{NDF}: 2.9/2$

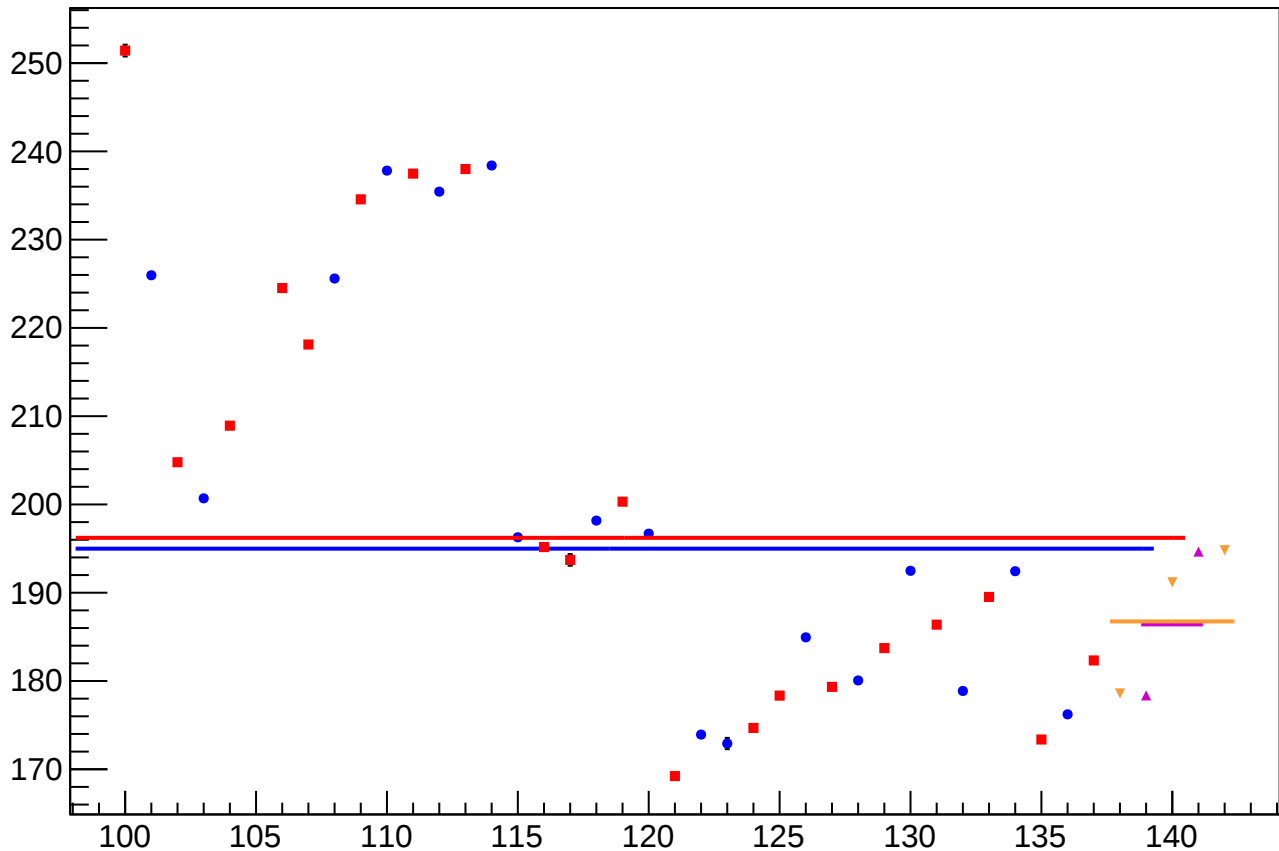
Right Out: -115.922 ± 73.976 $\chi^2/\text{NDF}: 11.4/19$

Left In: 119.198 ± 148.946 $\chi^2/\text{NDF}: 0.0/1$

120.452 ± 65.995 $\chi^2/\text{NDF}: 29.3/19$

-69.400 ± 66.254 $\chi^2/\text{NDF}: 13.4/21$

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 186.749 ± 0.094 χ^2/NDF : 5401.8/2

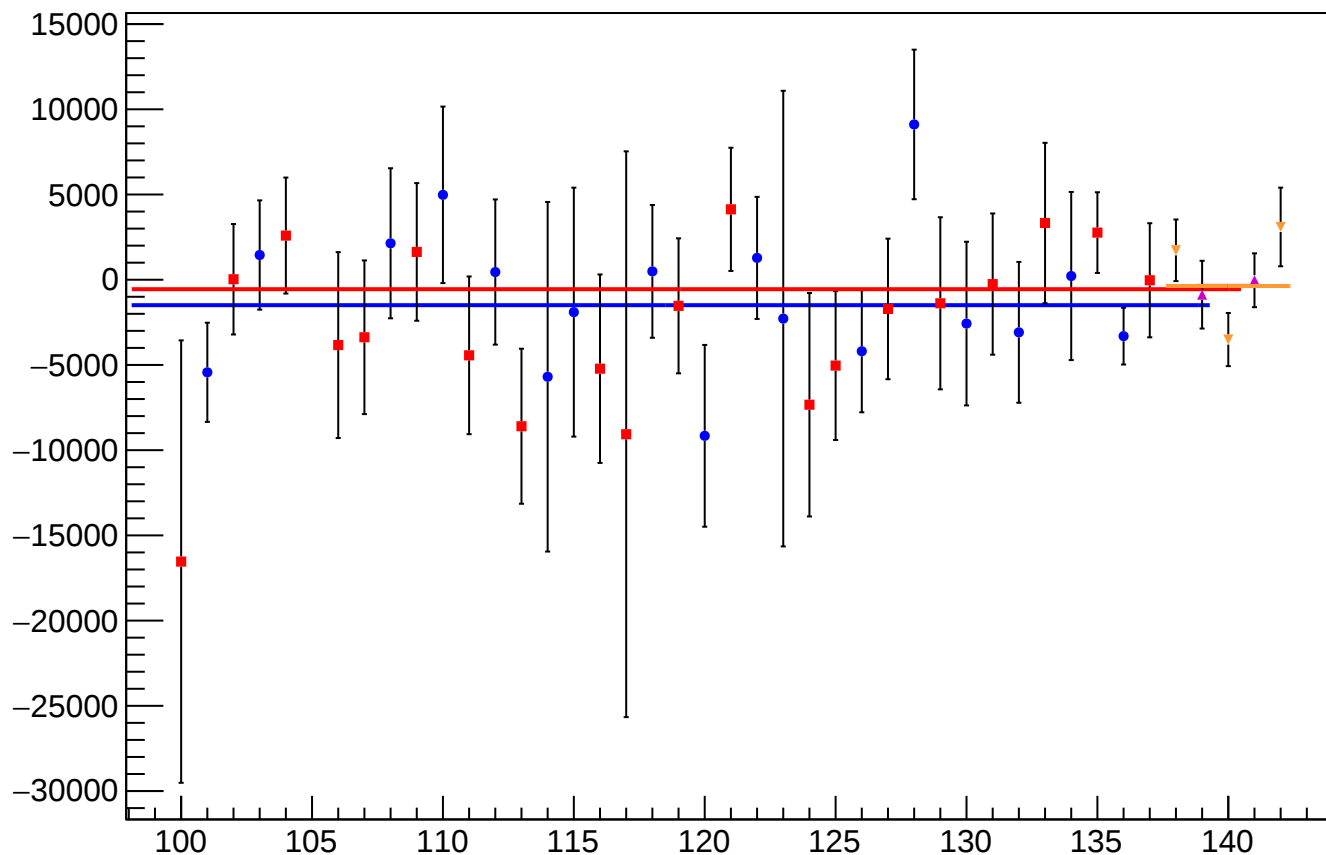
Right Out: 196.219 ± 0.052 χ^2/NDF : 173506.2/19

Left In: 186.414 ± 0.105 χ^2/NDF : 5985.3/1

192.978 ± 0.047 χ^2/NDF : 155440.6/19

194.279 ± 0.047 χ^2/NDF : 186444.2/21

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -367.868 ± 1051.387 χ^2/NDF : 7.7/2

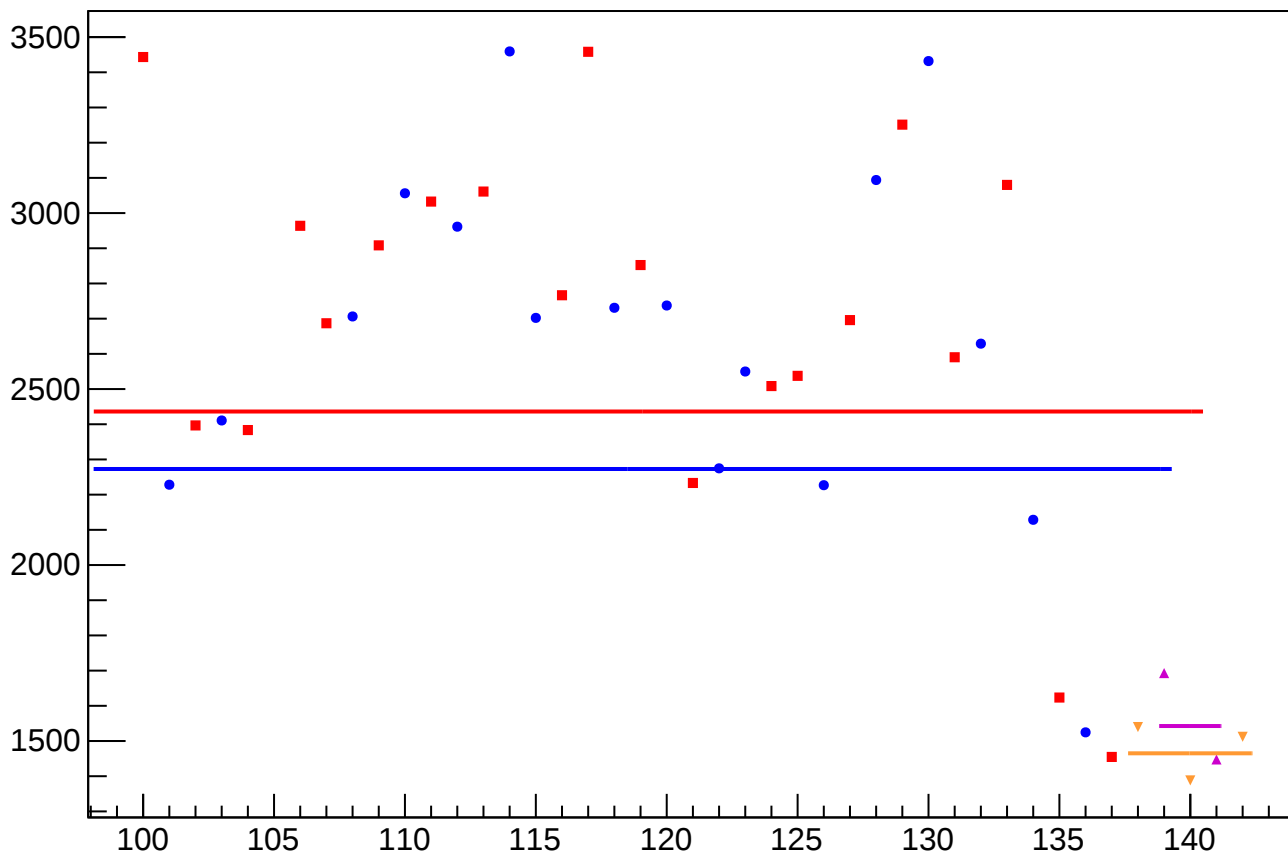
Right Out: -555.744 ± 933.239 χ^2/NDF : 14.9/19

Left In: -358.127 ± 1236.380 χ^2/NDF : 0.1/1

-1010.775 ± 688.427 χ^2/NDF : 24.4/19

-484.018 ± 744.866 χ^2/NDF : 15.0/21

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1465.042+/-0.743 χ^2/NDF : 9106.7/2

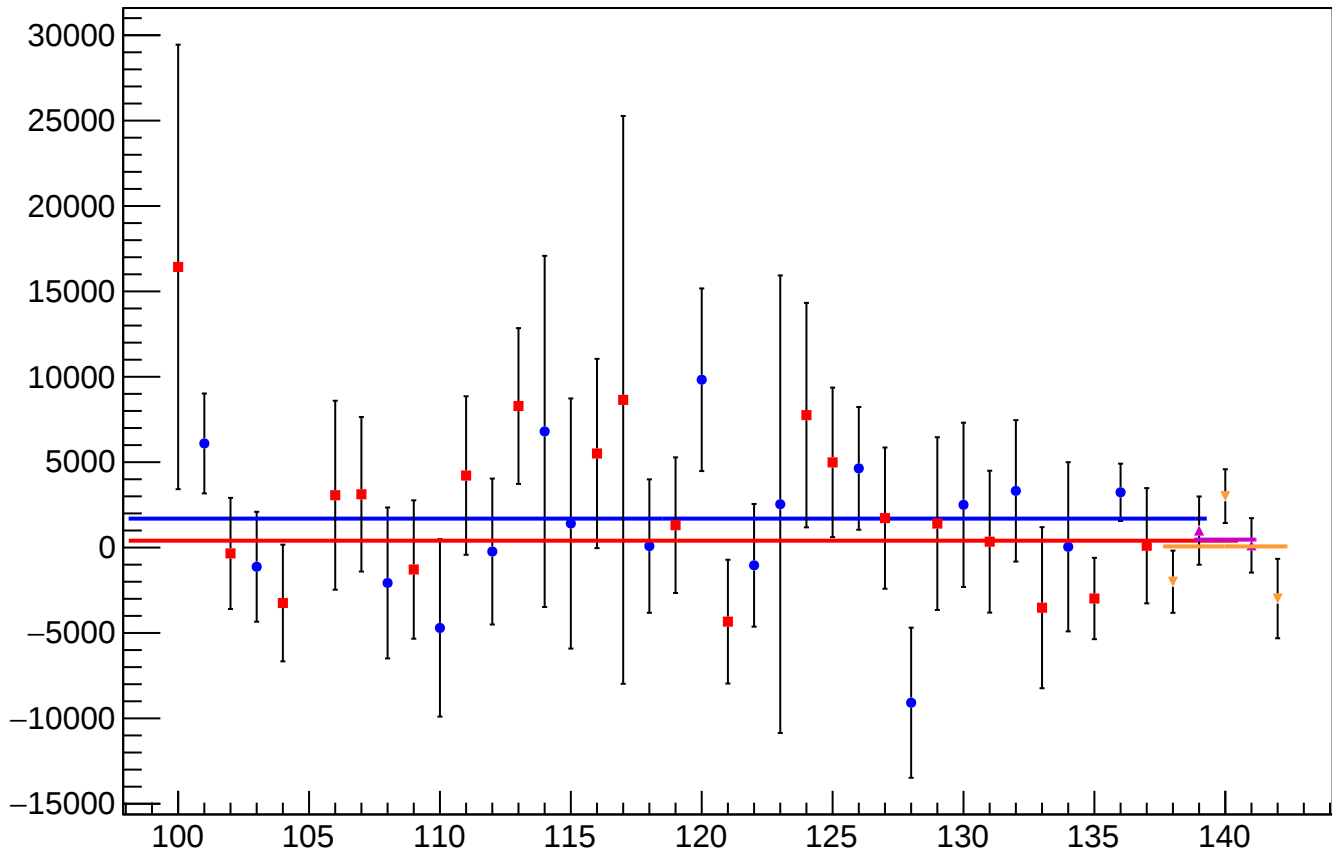
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1542.591+/-0.874 χ^2/NDF : 18685.5/1

1926.533+/-0.487 χ^2/NDF : 1489275.2/19

2111.855+/-0.527 χ^2/NDF : 1372629.6/21

asym_sam_26_dd_mean vs Slug



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 67.956+/-1060.274 χ^2/NDF : 6.5/2

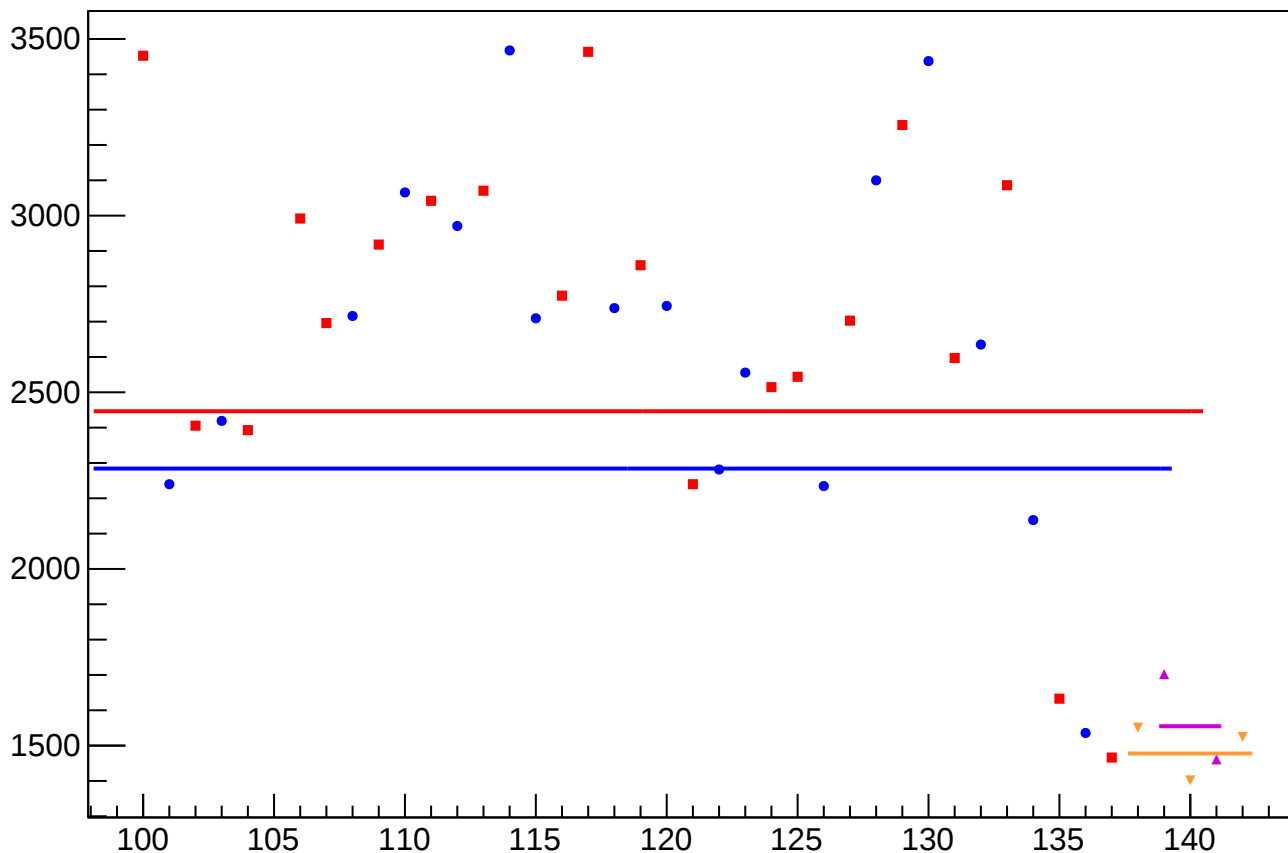
Right Out: 403.904+/-937.036 χ^2/NDF : 15.2/19

Left In: 465.886+/-1245.962 χ^2/NDF : 0.1/1

1001.171+/-692.653 χ^2/NDF : 24.5/19

426.296+/-748.888 χ^2/NDF : 15.3/21

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1477.678+/-0.750 χ^2/NDF : 8711.9/2

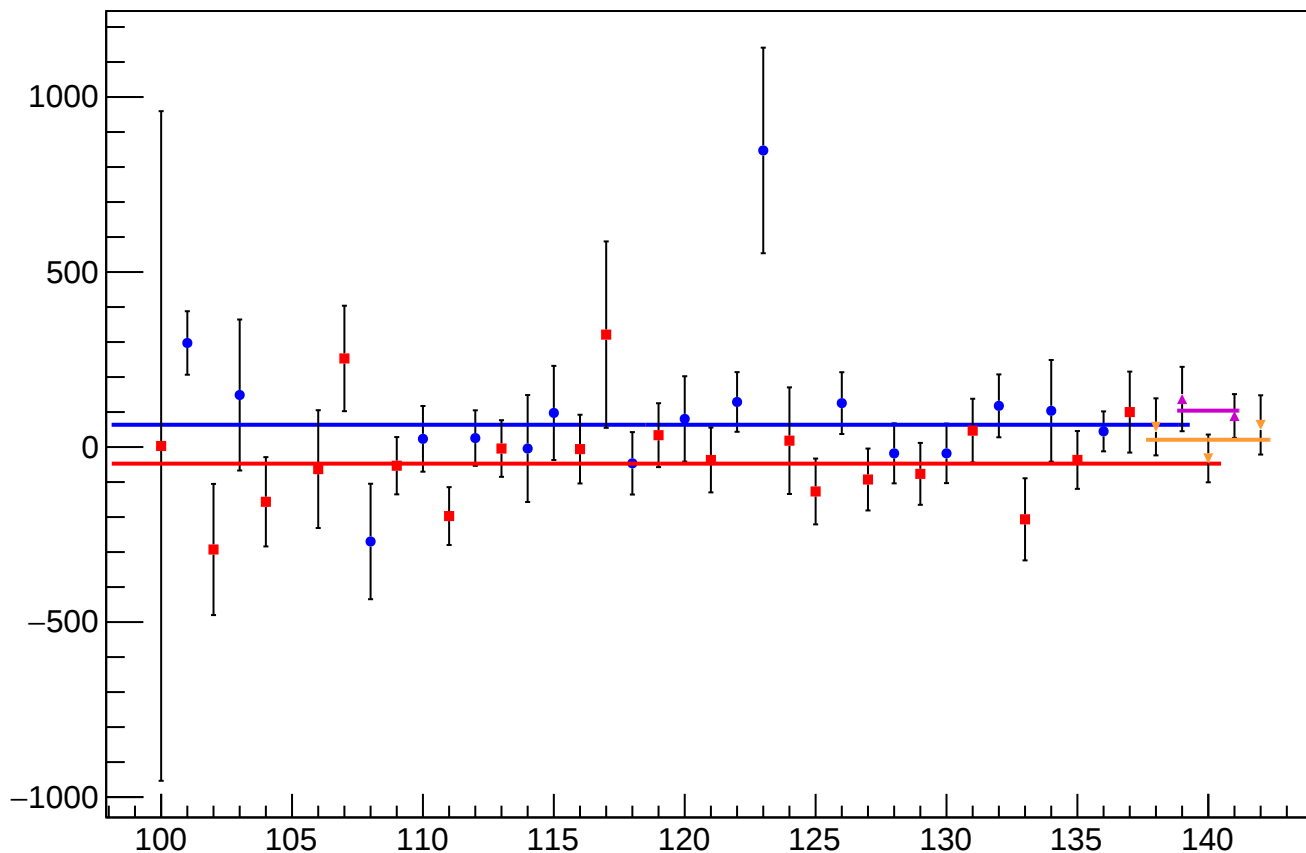
Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

Left In: 1554.825+/-0.881 χ^2/NDF : 17840.0/1

1939.944+/-0.490 χ^2/NDF : 1465913.0/19

2124.285+/-0.530 χ^2/NDF : 1352324.1/21

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 $\pm$ 23.743 χ^2/NDF : 23.7/16

Left Out: 20.860 $\pm$ 44.494 χ^2/NDF : 1.1/2

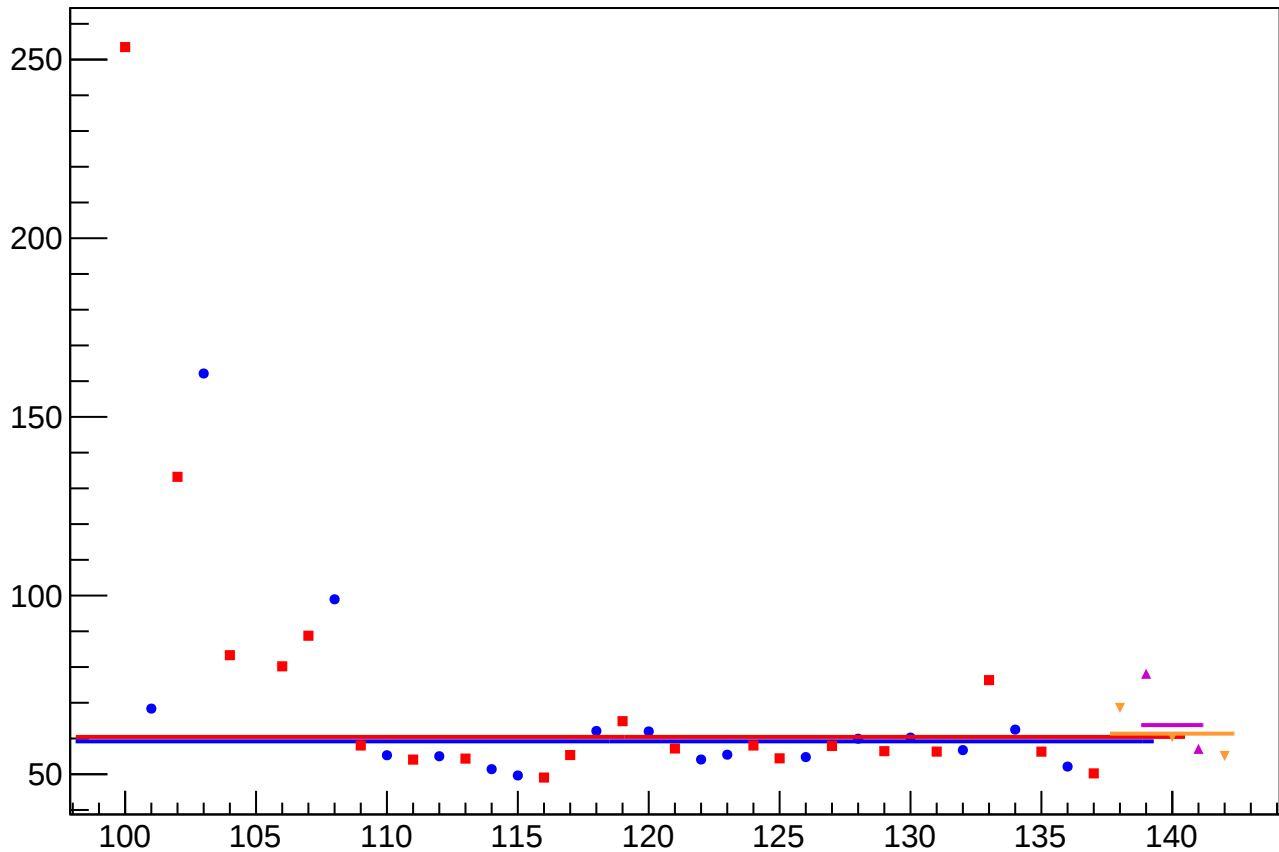
Right Out: -47.367 $\pm$ 23.568 χ^2/NDF : 18.7/19

Left In: 104.048 $\pm$ 51.696 χ^2/NDF : 0.2/1

54.179 $\pm$ 20.947 χ^2/NDF : 25.5/19

-21.312 $\pm$ 21.445 χ^2/NDF : 26.0/21

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 61.362 $\pm$ 0.031 χ^2 /NDF: 26938.3/2

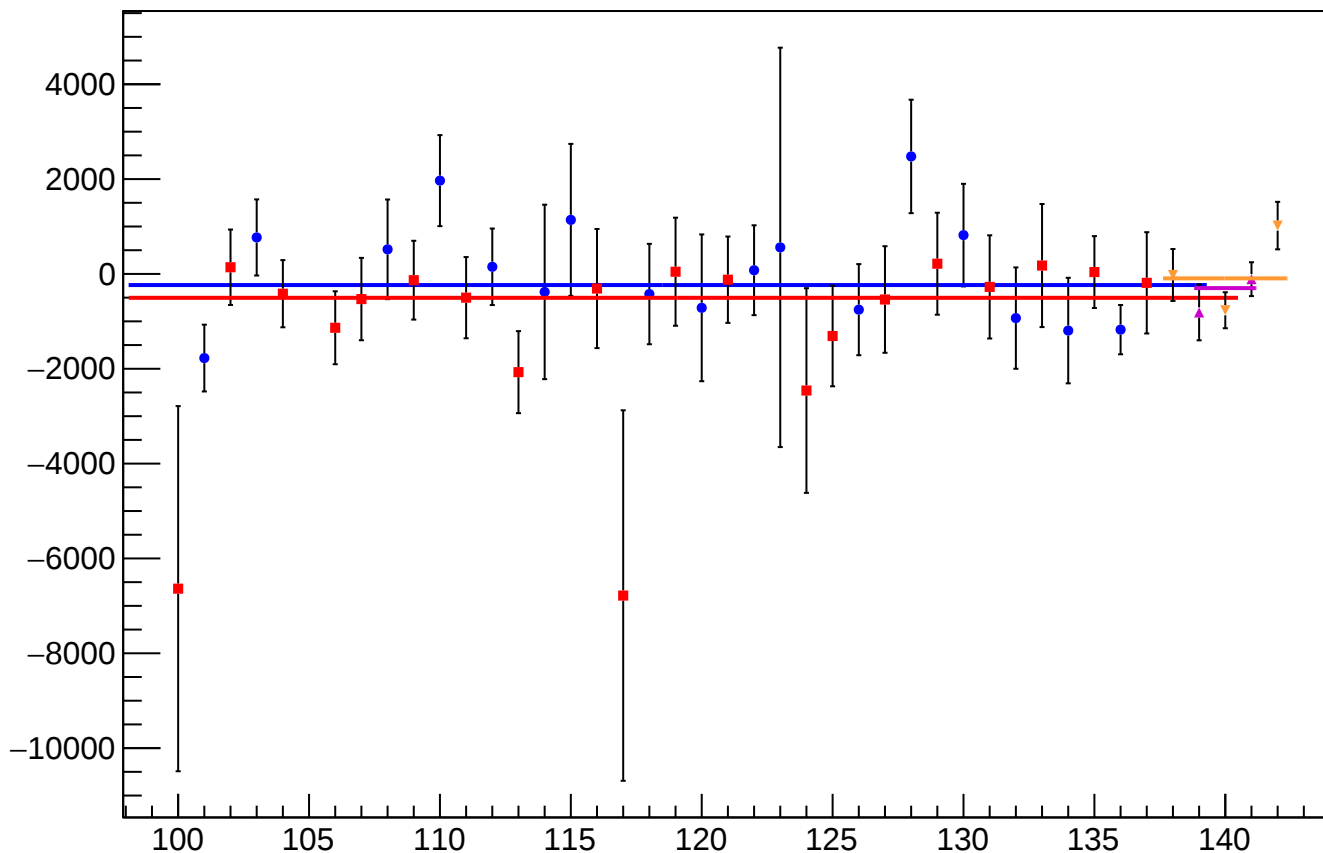
Right Out: 60.443 $\pm$ 0.017 χ^2 /NDF: 680790.3/19

Left In: 63.752 $\pm$ 0.037 χ^2 /NDF: 71459.0/1

59.680 $\pm$ 0.015 χ^2 /NDF: 696085.7/19

61.013 $\pm$ 0.015 χ^2 /NDF: 759033.7/21

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492+/-233.880 χ^2 /NDF: 24.2/16

Left Out: -93.437+/-264.708 χ^2 /NDF: 8.1/2

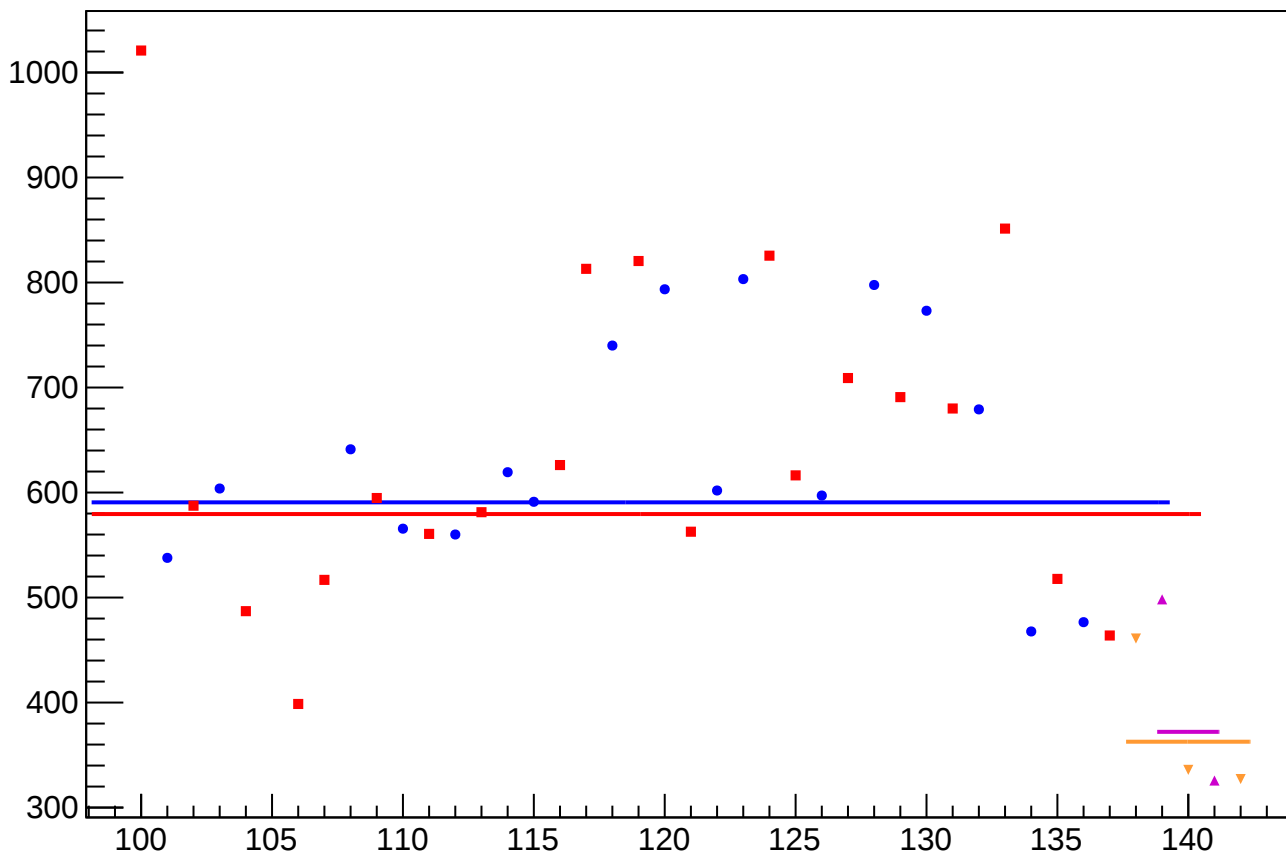
Right Out: -503.638+/-221.955 χ^2 /NDF: 13.2/19

Left In: -298.967+/-305.185 χ^2 /NDF: 1.0/1

-172.652+/-175.269 χ^2 /NDF: 32.4/19

-432.832+/-179.502 χ^2 /NDF: 14.5/21

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 362.712+/-0.187 χ^2/NDF : 84526.4/2

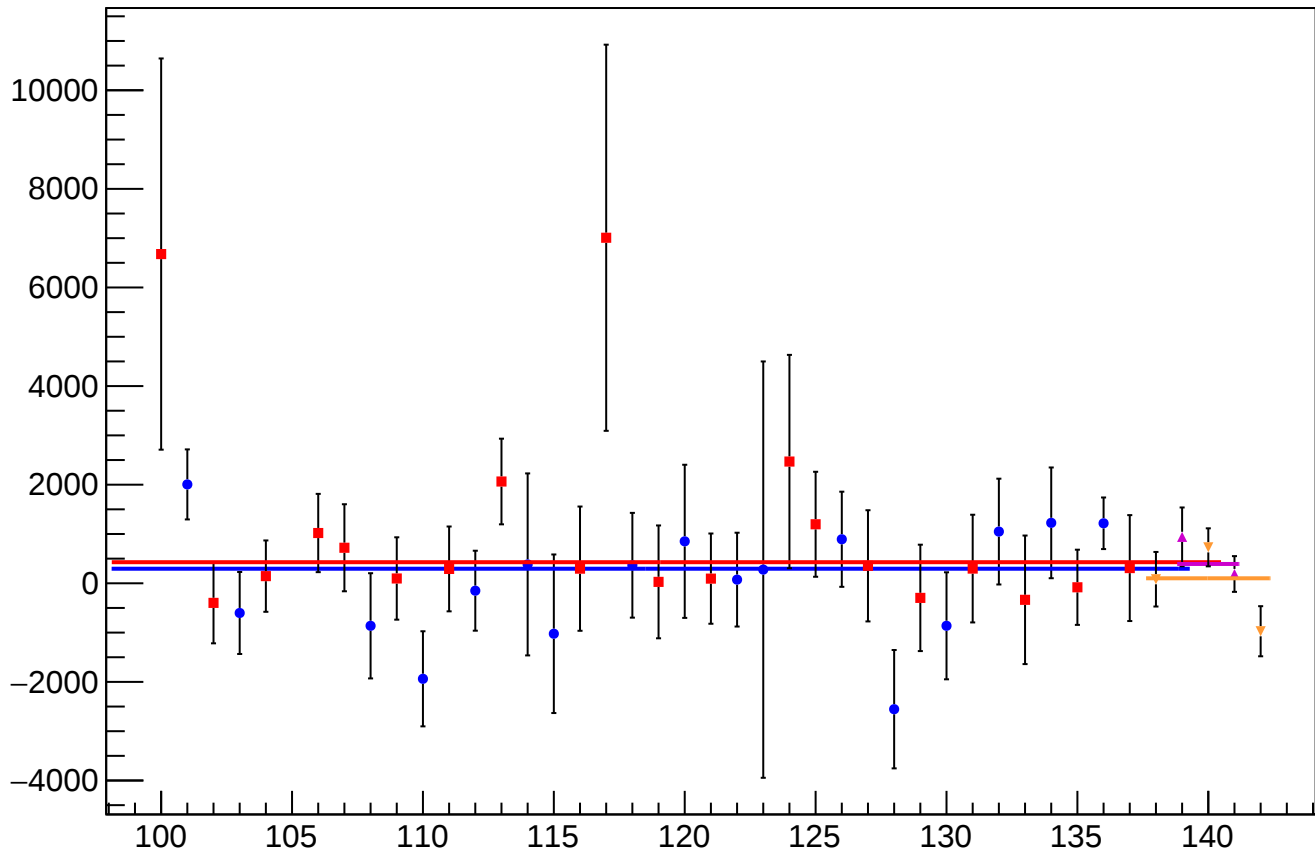
Right Out: 579.509+/-0.157 χ^2/NDF : 501132.1/19

Left In: 372.115+/-0.216 χ^2/NDF : 125625.9/1

490.726+/-0.124 χ^2/NDF : 1269498.5/19

507.761+/-0.127 χ^2/NDF : 1230856.6/21

asym_sam_37_dd_mean vs Slug



Right In: 295.401+/-235.860 χ^2/NDF : 26.1/16

Left Out: 101.454+/-268.574 χ^2/NDF : 7.1/2

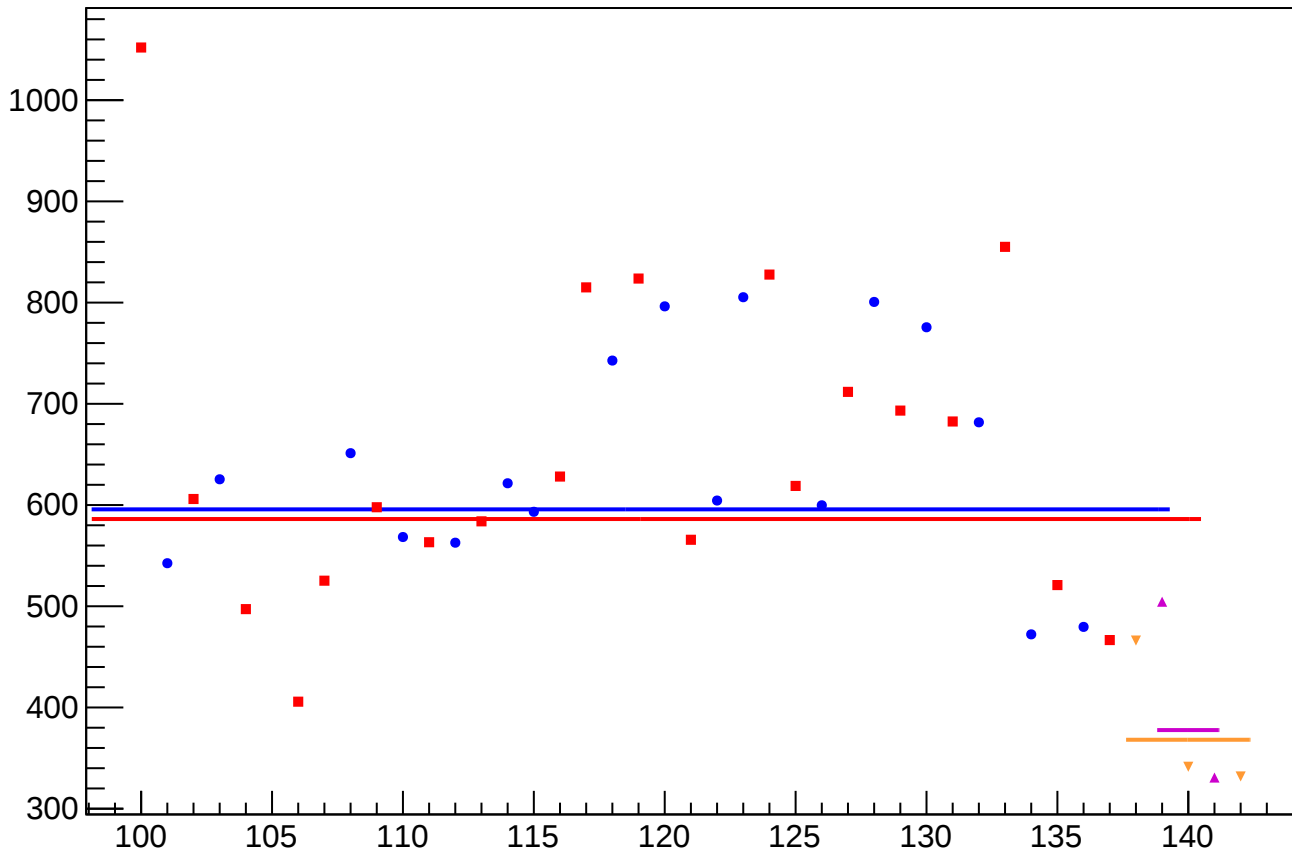
Right Out: 427.853+/-224.485 χ^2/NDF : 13.8/19

Left In: 391.953+/-309.631 χ^2/NDF : 1.2/1

210.953+/-177.222 χ^2/NDF : 33.5/19

415.484+/-181.745 χ^2/NDF : 15.0/21

asym_sam_37_dd_rms vs Slug



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 368.115+/-0.190 χ^2/NDF : 82454.9/2

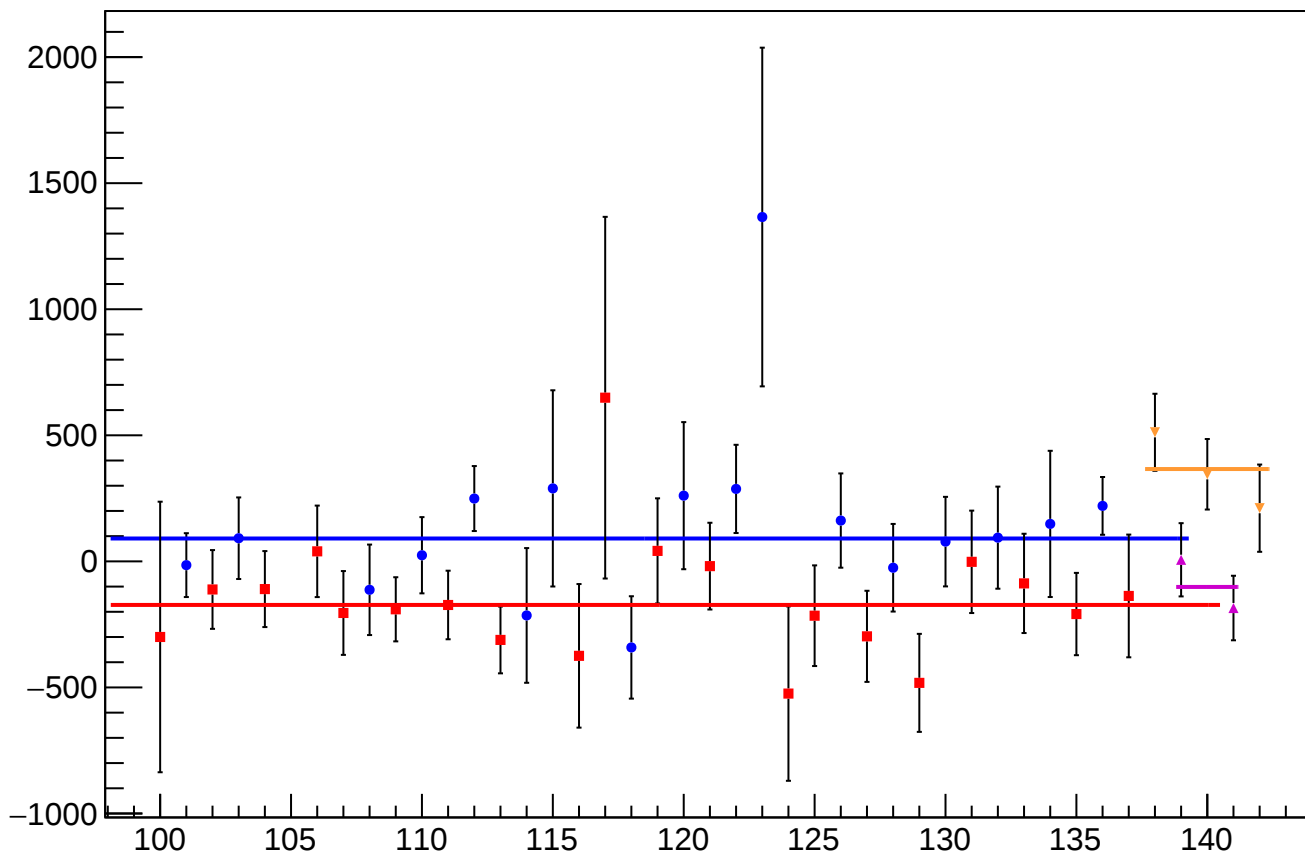
Right Out: 586.176+/-0.159 χ^2/NDF : 481325.4/19

Left In: 377.676+/-0.219 χ^2/NDF : 124063.9/1

496.624+/-0.125 χ^2/NDF : 1243557.1/19

514.340+/-0.129 χ^2/NDF : 1199818.9/21

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 366.214 ± 88.605 $\chi^2/\text{NDF}: 1.7/2$

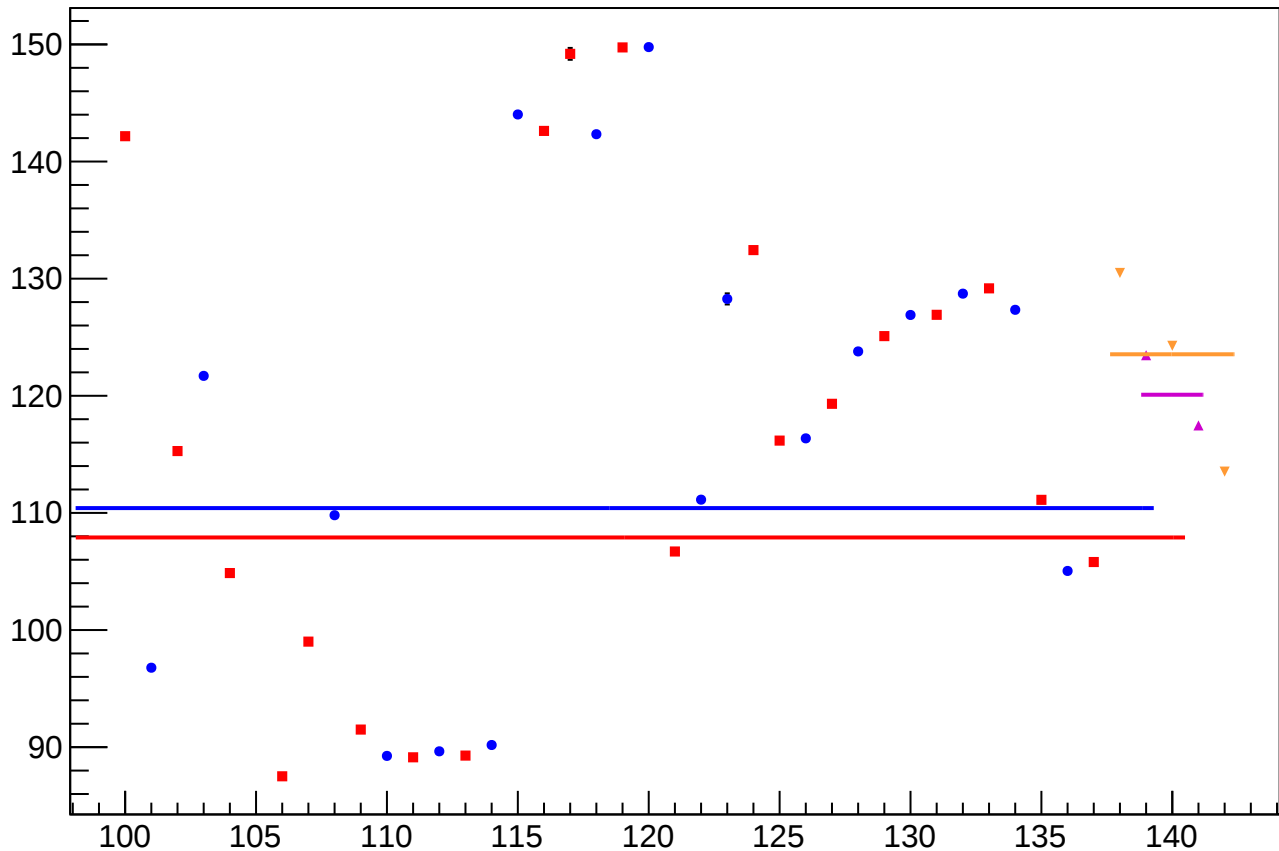
Right Out: -172.786 ± 41.033 $\chi^2/\text{NDF}: 11.6/19$

Left In: -101.415 ± 96.023 $\chi^2/\text{NDF}: 1.0/1$

143.846 ± 38.912 $\chi^2/\text{NDF}: 26.4/19$

-161.765 ± 37.733 $\chi^2/\text{NDF}: 13.1/21$

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 ± 0.031 χ^2/NDF : 296425.4/16

Left Out: 123.544 ± 0.063 χ^2/NDF : 10890.3/2

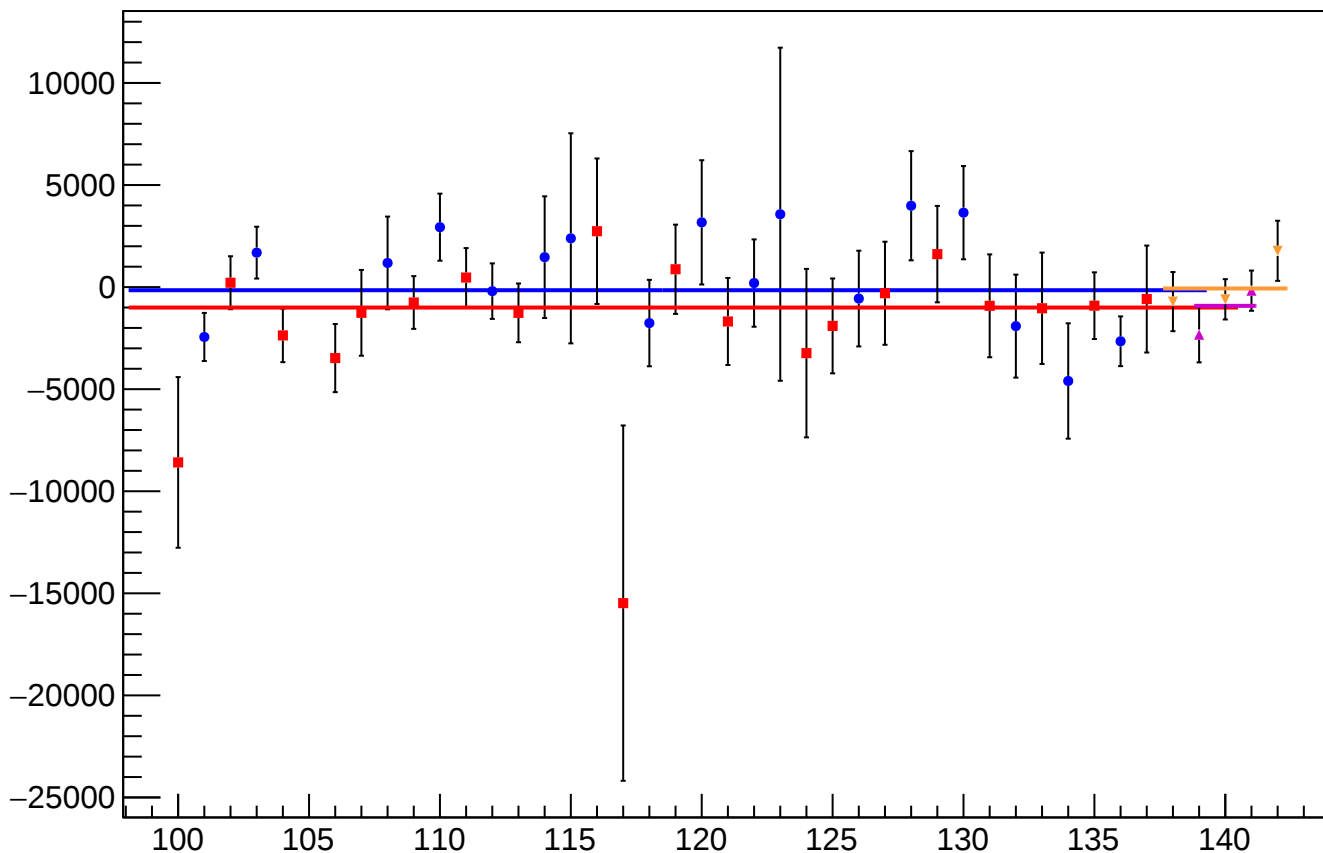
Right Out: 107.903 ± 0.029 χ^2/NDF : 351091.4/19

Left In: 120.090 ± 0.068 χ^2/NDF : 1917.8/1

112.944 ± 0.028 χ^2/NDF : 342779.5/19

109.785 ± 0.027 χ^2/NDF : 380248.2/21

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403+/-464.753 χ^2 /NDF: 24.7/16

Left Out: -67.504+/-713.496 χ^2 /NDF:2.1/2

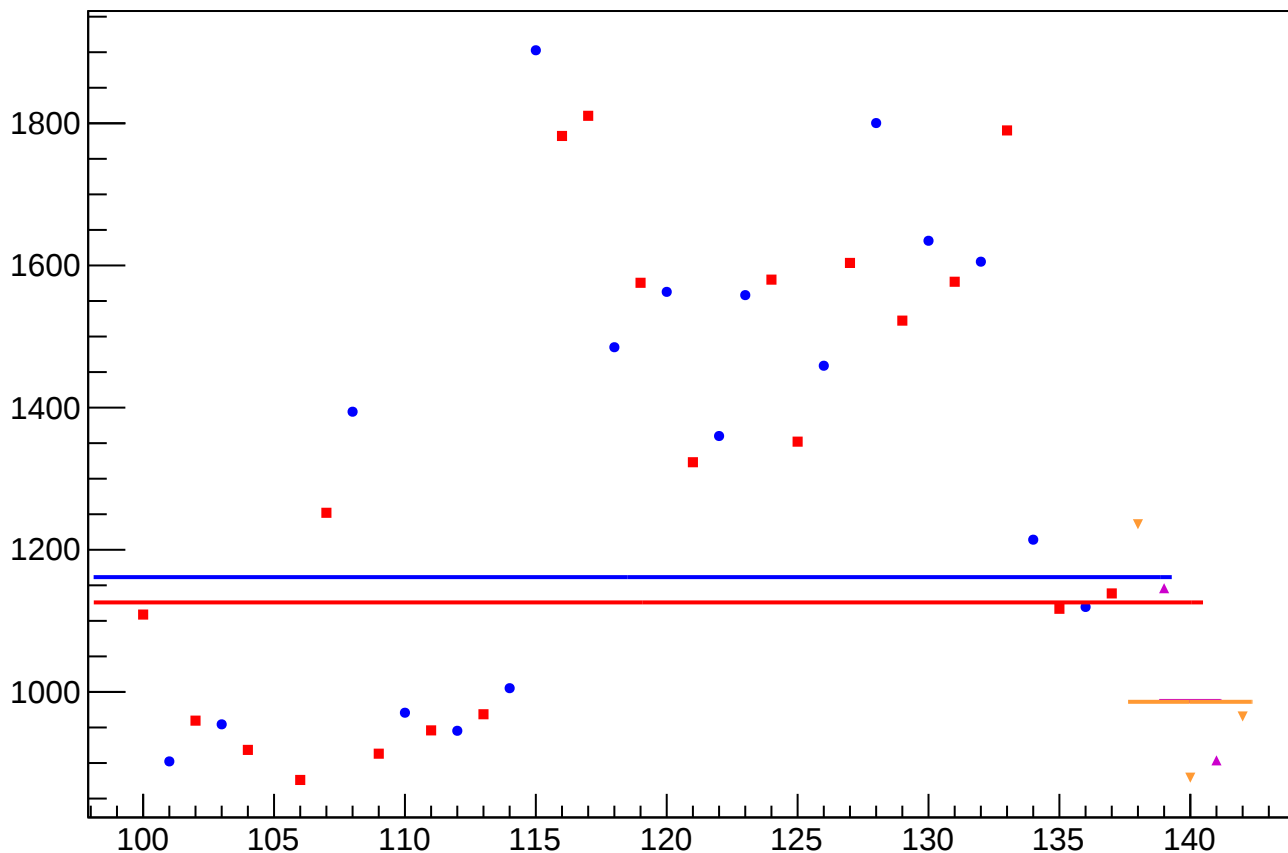
Right Out: -1000.907+/-434.569 χ^2 /NDF: 15.1/19

Left In: -918.513+/-796.882 χ^2 /NDF:1.7/1

-127.112+/-389.424 χ^2 /NDF: 26.7/19

-982.020+/-381.525 χ^2 /NDF: 16.7/21

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 986.133+/-0.505 χ^2/NDF : 83255.7/2

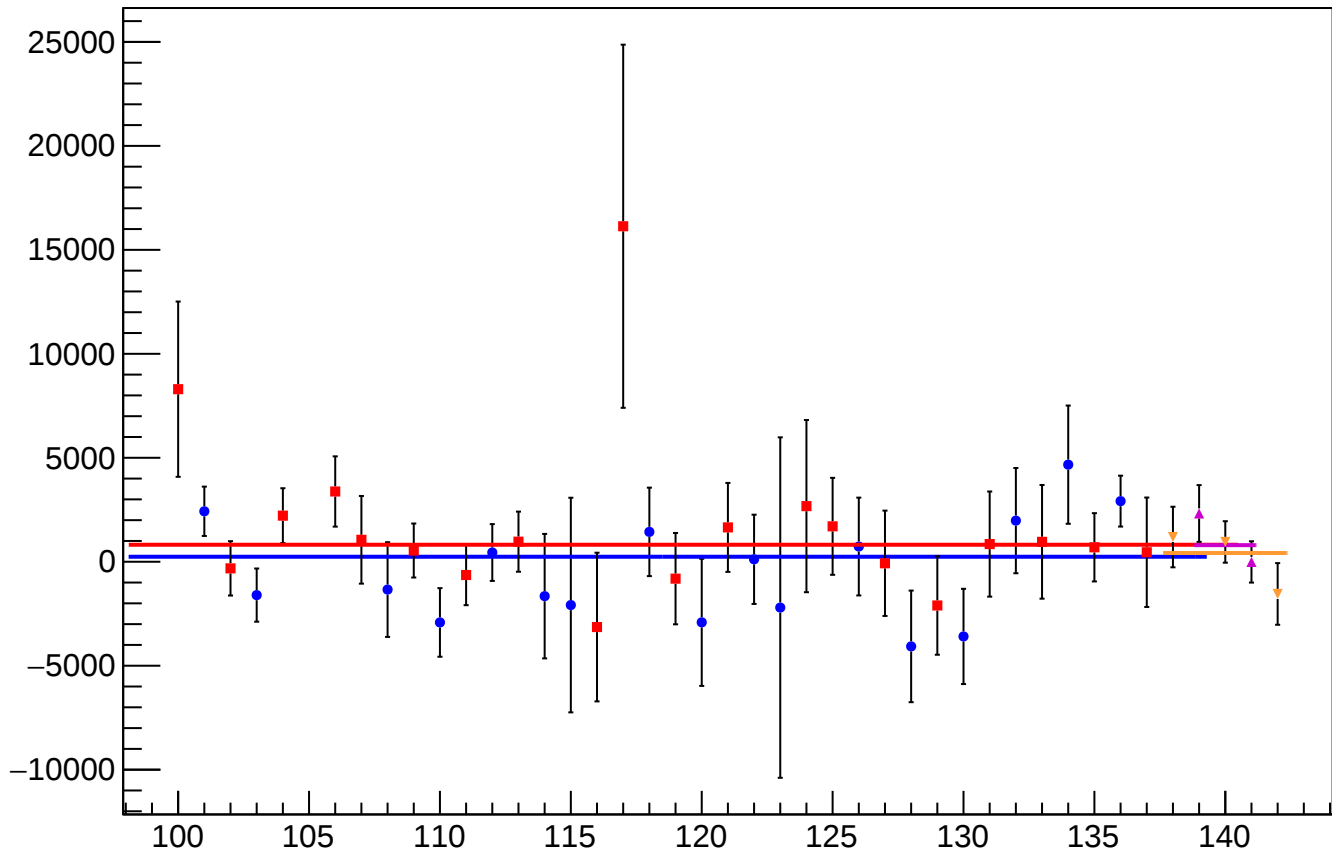
Right Out: 1125.946+/-0.307 χ^2/NDF : 780195.3/19

Left In: 987.338+/-0.563 χ^2/NDF : 41747.6/1

1109.280+/-0.275 χ^2/NDF : 864021.0/19

1094.174+/-0.270 χ^2/NDF : 868581.9/21

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 421.227 $\pm$ 719.433 χ^2 /NDF: 2.3/2

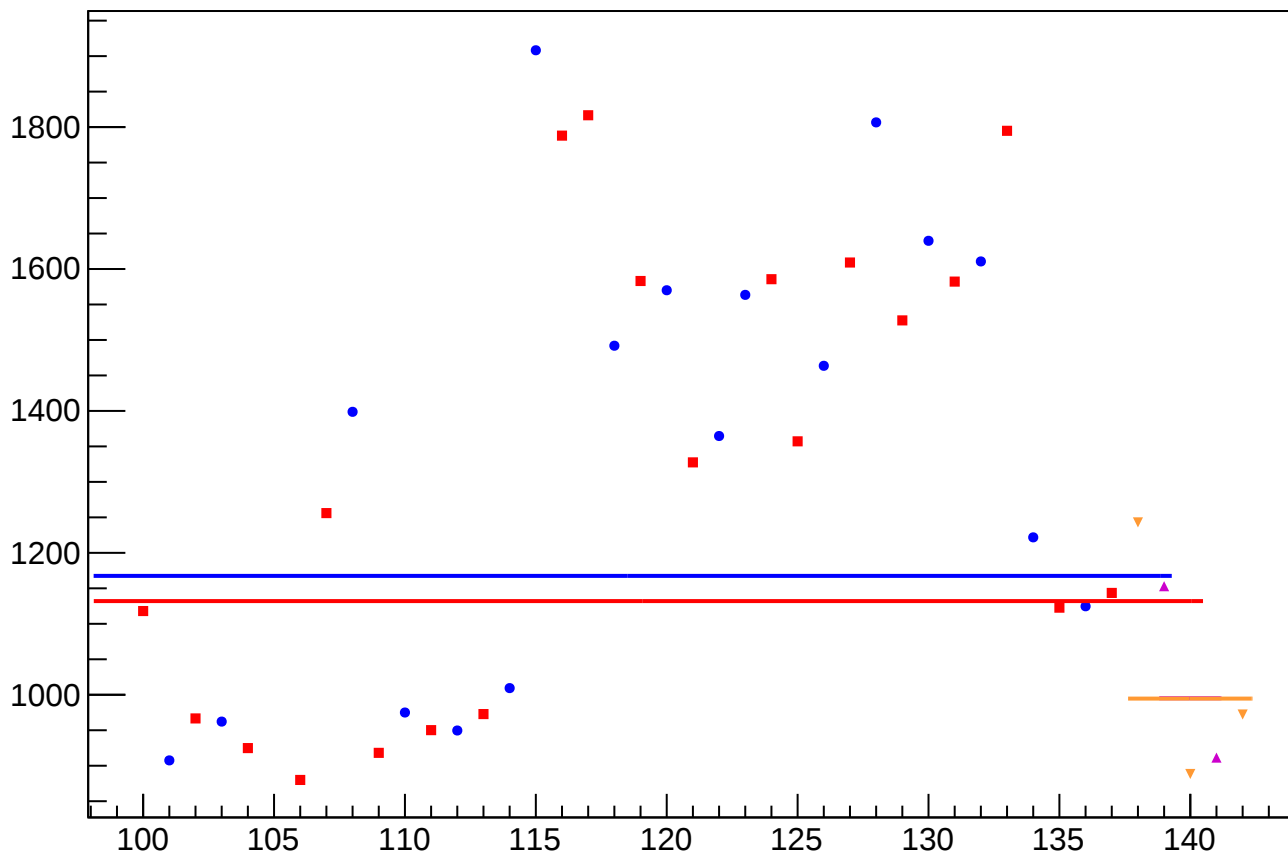
Right Out: 817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

Left In: 798.093 $\pm$ 802.958 χ^2 /NDF: 1.9/1

294.245 $\pm$ 391.732 χ^2 /NDF: 27.2/19

813.170 $\pm$ 383.795 χ^2 /NDF: 17.3/21

asym_sam_48_dd_rms vs Slug



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 994.611+/-0.509 χ^2/NDF : 81281.4/2

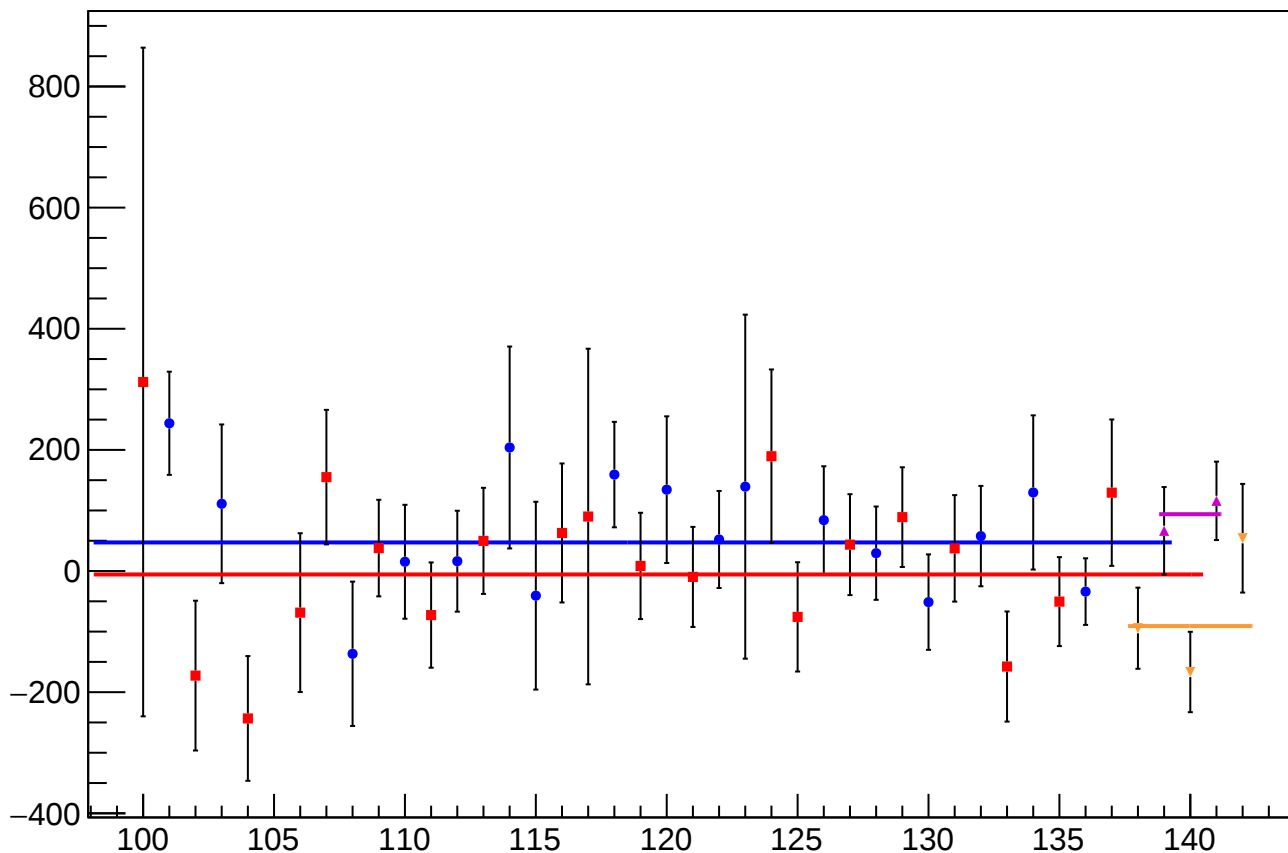
Right Out: 1132.019+/-0.309 χ^2/NDF : 773827.8/19

Left In: 995.074+/-0.568 χ^2/NDF : 40959.6/1

1116.269+/-0.277 χ^2/NDF : 853059.7/19

1100.732+/-0.271 χ^2/NDF : 859671.9/21

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -90.833 $\pm$ 41.733 χ^2 /NDF: 3.9/2

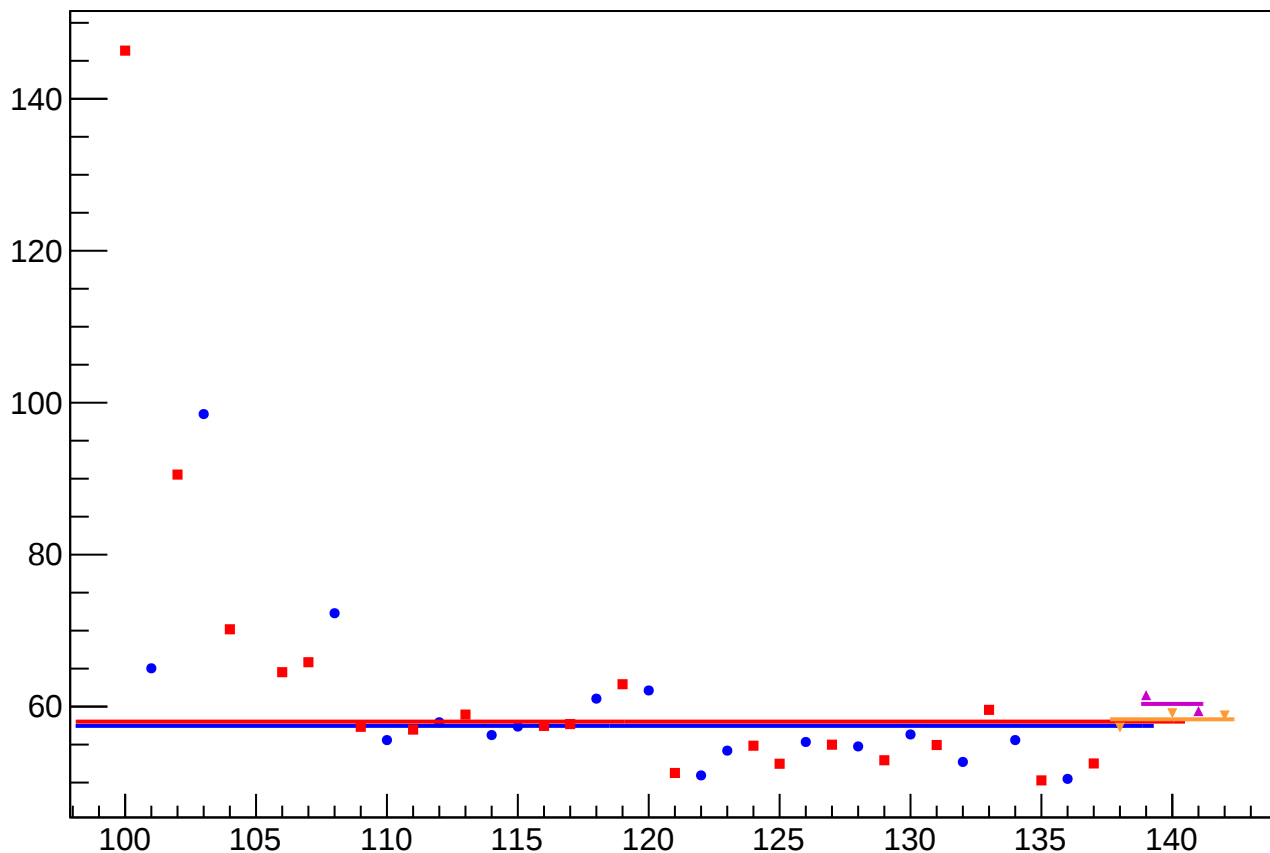
Right Out: -5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

Left In: 93.848 $\pm$ 48.215 χ^2 /NDF: 0.3/1

15.991 $\pm$ 19.849 χ^2 /NDF: 28.5/19

11.581 $\pm$ 20.058 χ^2 /NDF: 24.2/21

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 58.325+/-0.030 χ^2/NDF : 880.2/2

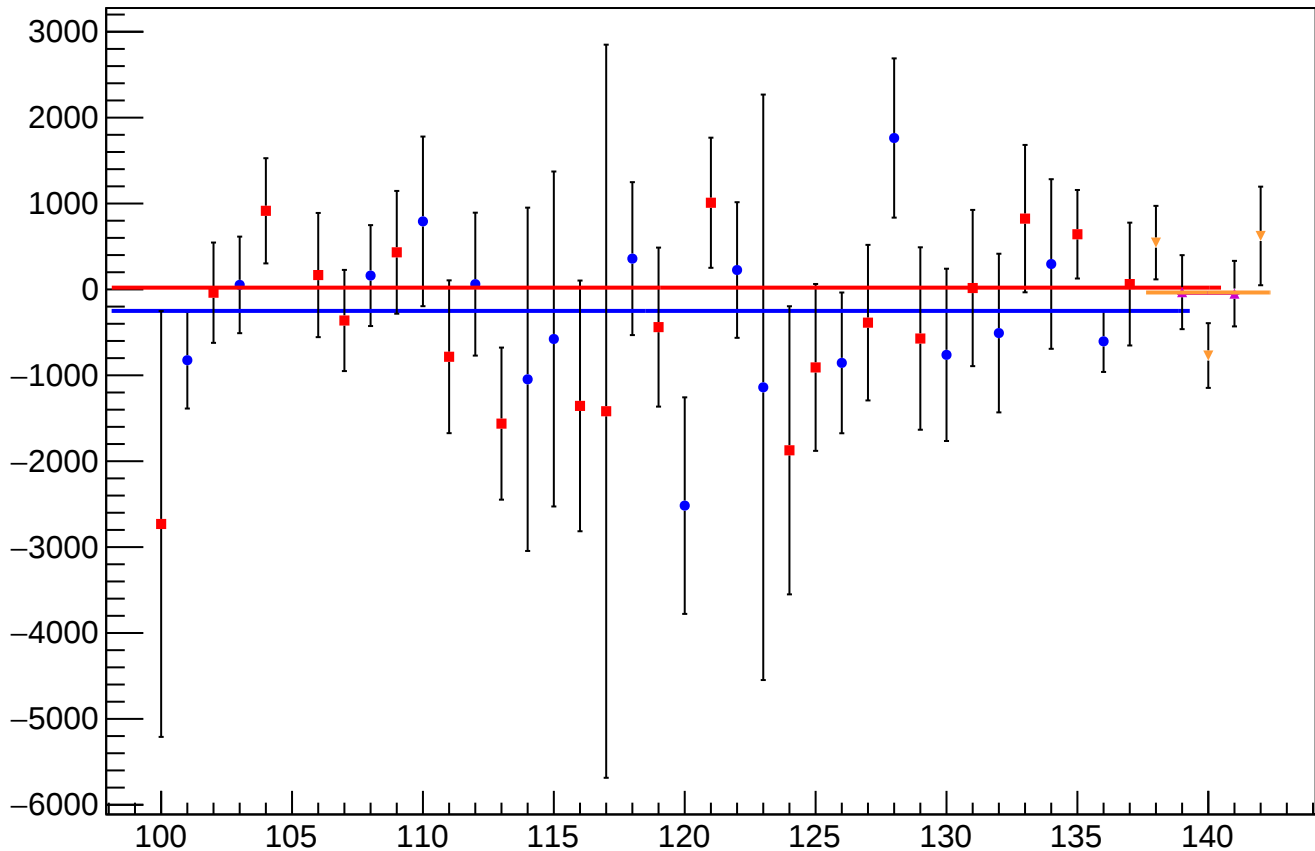
Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

Left In: 60.352+/-0.034 χ^2/NDF : 938.7/1

57.660+/-0.014 χ^2/NDF : 308693.4/19

58.428+/-0.014 χ^2/NDF : 305583.4/21

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140+/-184.092 χ^2/NDF : 14.3/16

Left Out: -35.738+/-253.641 χ^2/NDF : 7.0/2

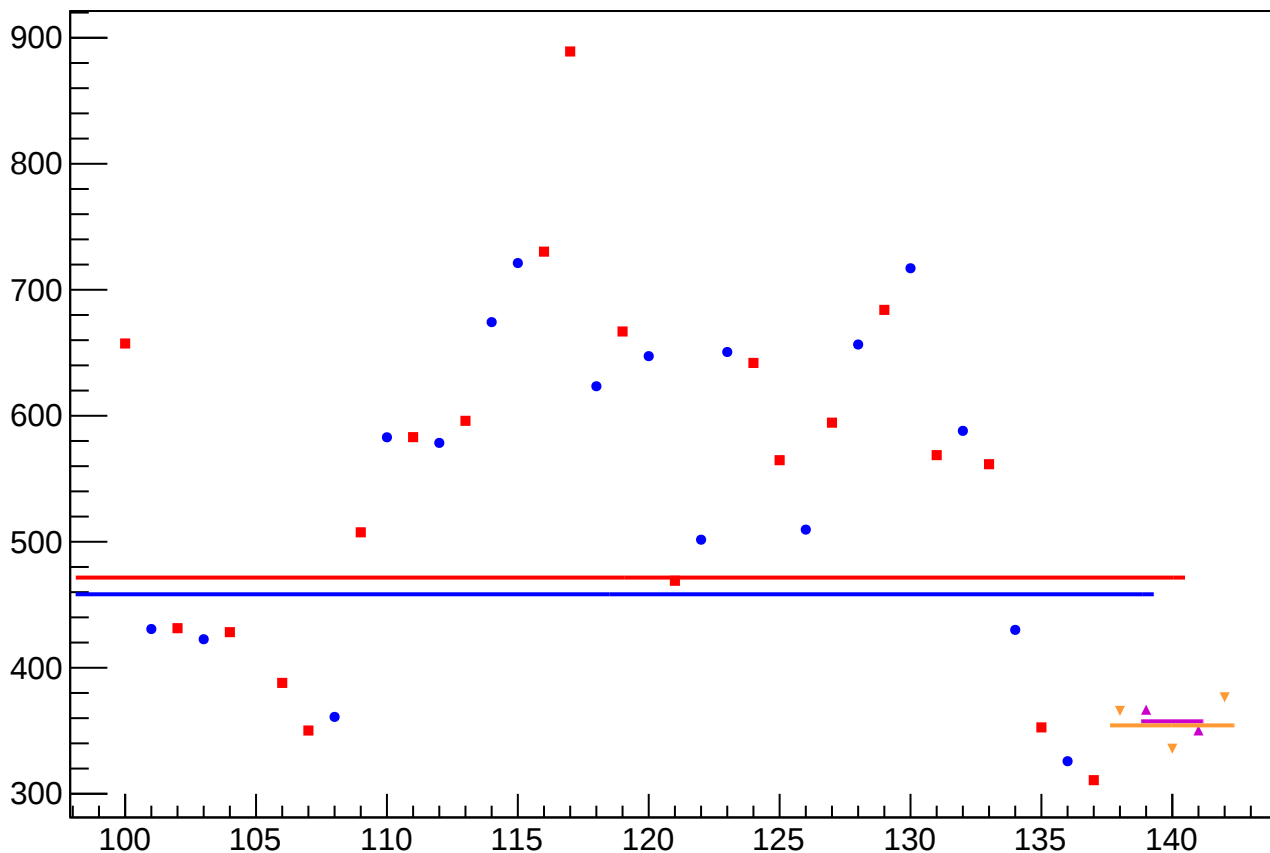
Right Out: 20.701+/-181.669 χ^2/NDF : 16.2/19

Left In: -41.474+/-285.599 χ^2/NDF : 0.0/1

-176.165+/-148.986 χ^2/NDF : 21.7/19

2.791+/-153.286 χ^2/NDF : 16.2/21

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2/NDF : 877201.7/16

Left Out: 354.261 $\pm$ 0.179 χ^2/NDF : 9296.9/2

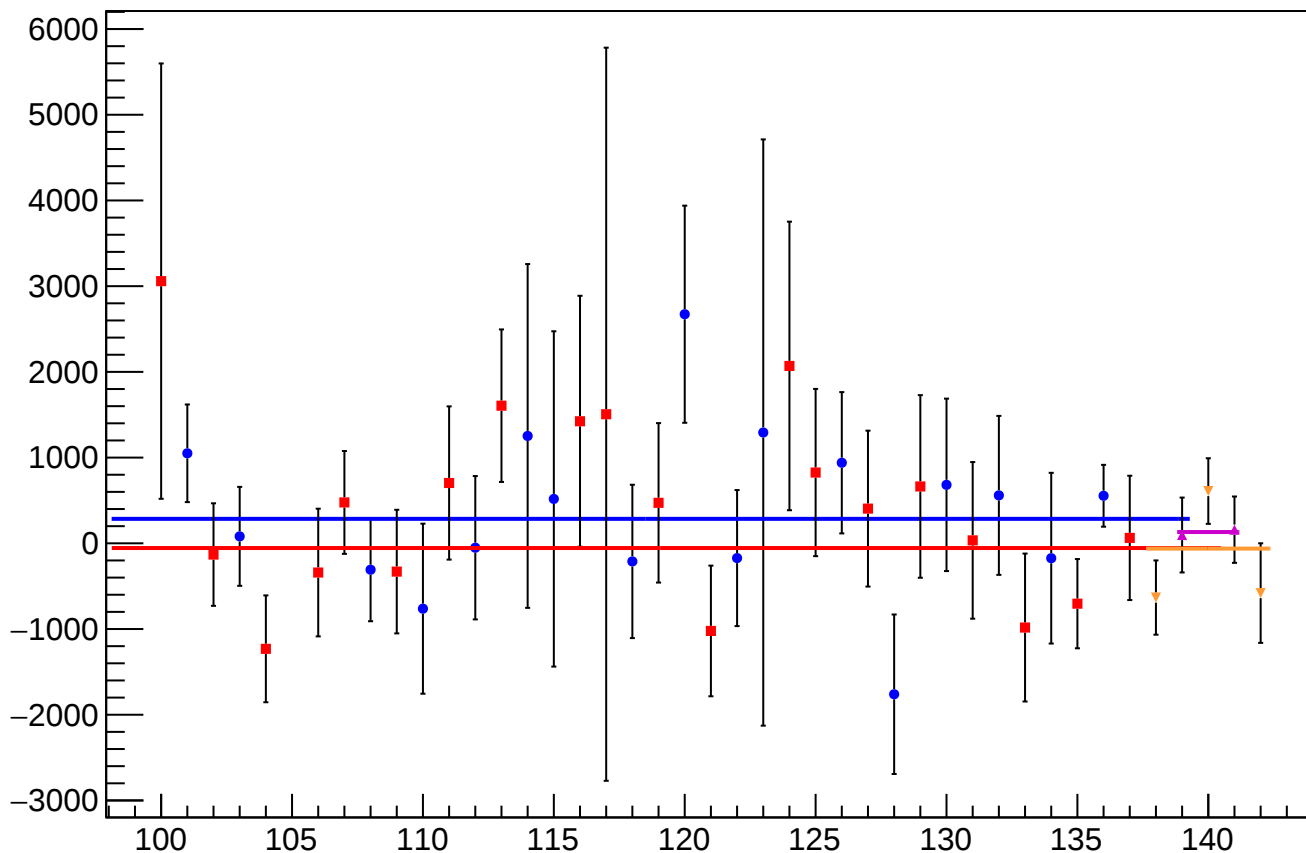
Right Out: 471.585 $\pm$ 0.128 χ^2/NDF : 797816.0/19

Left In: 357.493 $\pm$ 0.202 χ^2/NDF : 1635.1/1

422.420 $\pm$ 0.105 χ^2/NDF : 1106998.0/19

438.719 $\pm$ 0.108 χ^2/NDF : 1026683.0/21

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349+/-186.262 χ^2/NDF : 15.2/16

Left Out: -61.517+/-257.144 χ^2/NDF : 5.6/2

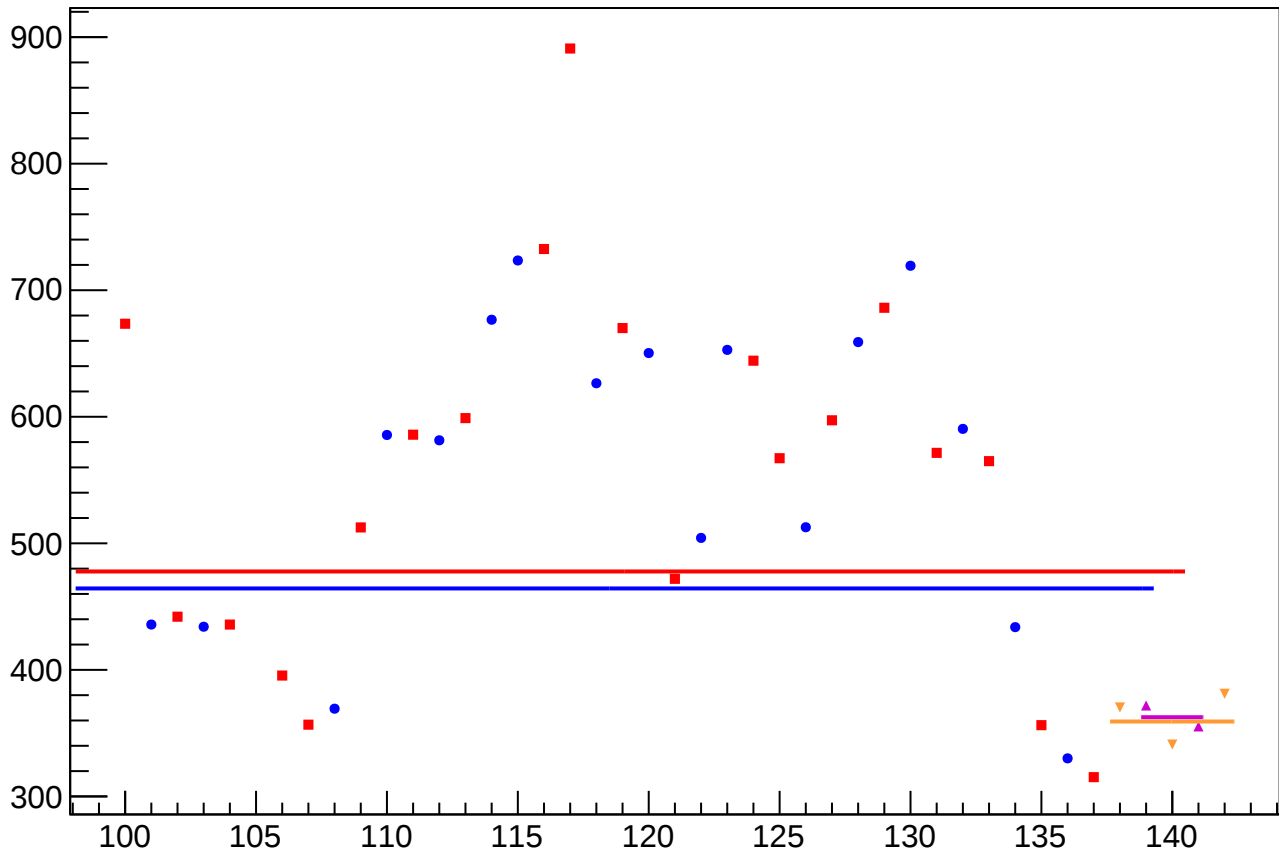
Right Out: -55.109+/-183.903 χ^2/NDF : 19.3/19

Left In: 131.659+/-289.671 χ^2/NDF : 0.0/1

165.984+/-150.846 χ^2/NDF : 22.0/19

-1.456+/-155.257 χ^2/NDF : 19.6/21

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 359.191+/-0.182 χ^2/NDF : 8695.9/2

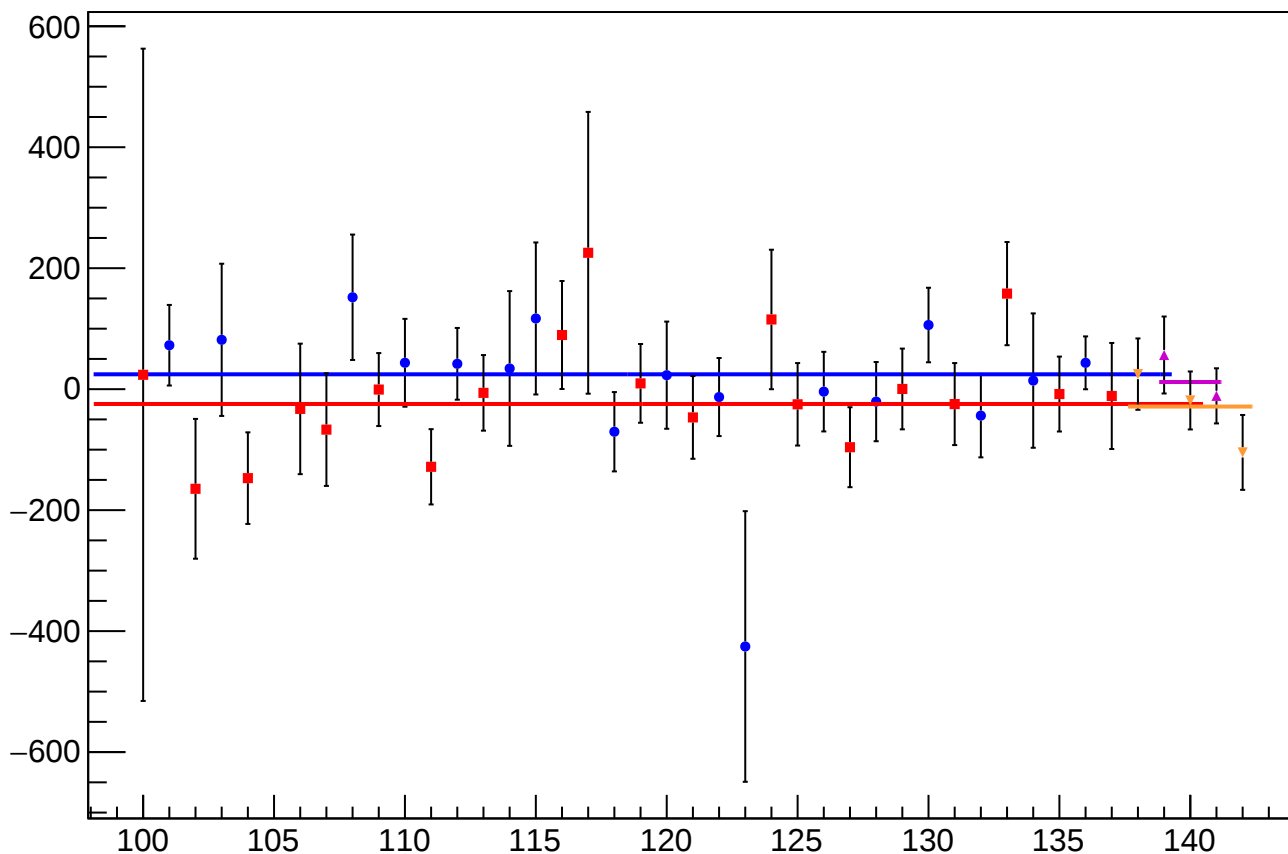
Right Out: 477.754+/-0.130 χ^2/NDF : 768041.0/19

Left In: 362.601+/-0.205 χ^2/NDF : 1605.7/1

428.156+/-0.107 χ^2/NDF : 1073935.2/19

444.674+/-0.110 χ^2/NDF : 994915.2/21

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 χ^2/NDF : 13.0/16

Left Out: -28.735 ± 31.881 χ^2/NDF : 2.4/2

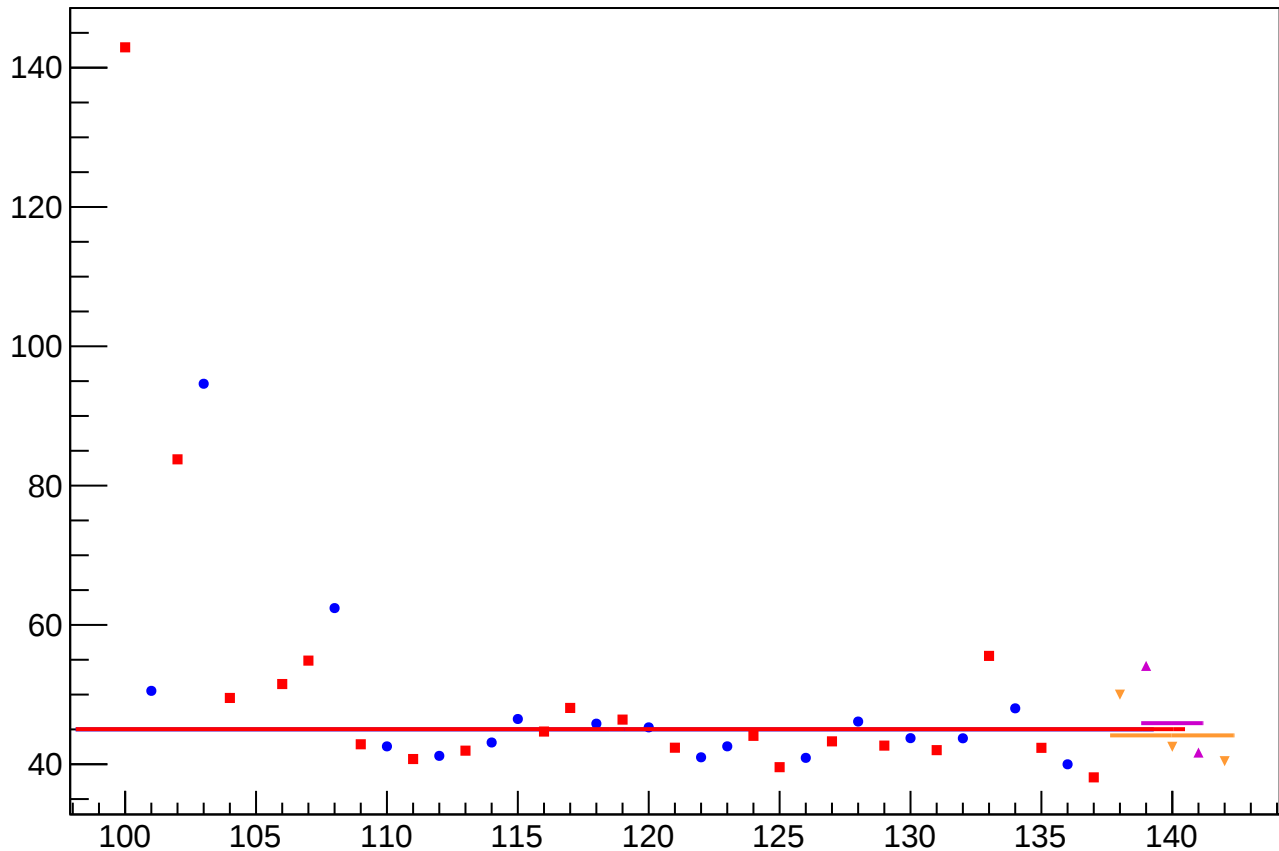
Right Out: -24.491 ± 17.338 χ^2/NDF : 18.0/19

Left In: 11.848 ± 37.046 χ^2/NDF : 0.7/1

11.871 ± 15.568 χ^2/NDF : 17.5/19

-17.962 ± 15.703 χ^2/NDF : 19.5/21

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 44.141 $\pm$ 0.023 χ^2 /NDF: 29146.2/2

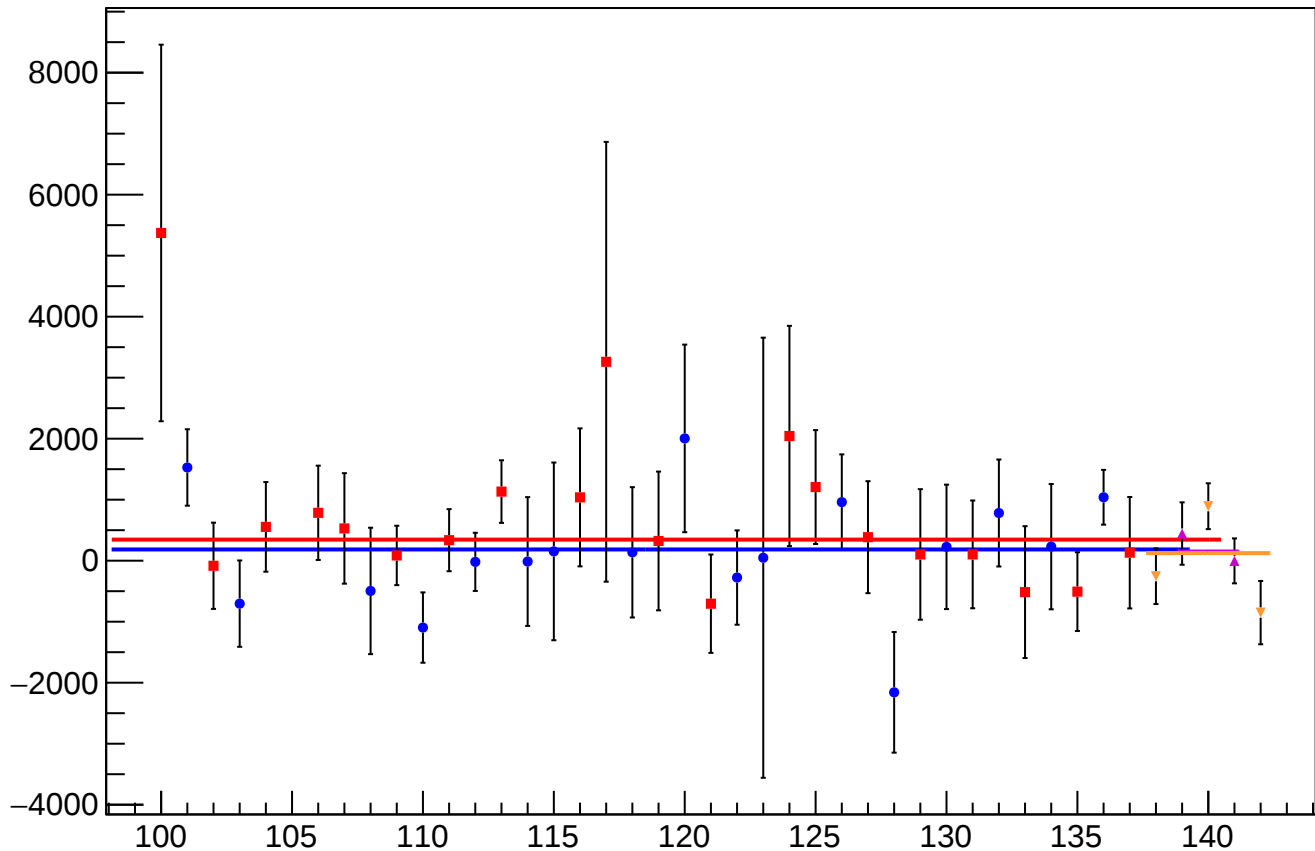
Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

Left In: 45.896 $\pm$ 0.026 χ^2 /NDF: 50555.7/1

44.796 $\pm$ 0.011 χ^2 /NDF: 468607.0/19

45.189 $\pm$ 0.011 χ^2 /NDF: 467297.1/21

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 $\chi^2/\text{NDF}: 24.2/16$

Left Out: 124.157 ± 253.156 $\chi^2/\text{NDF}: 8.4/2$

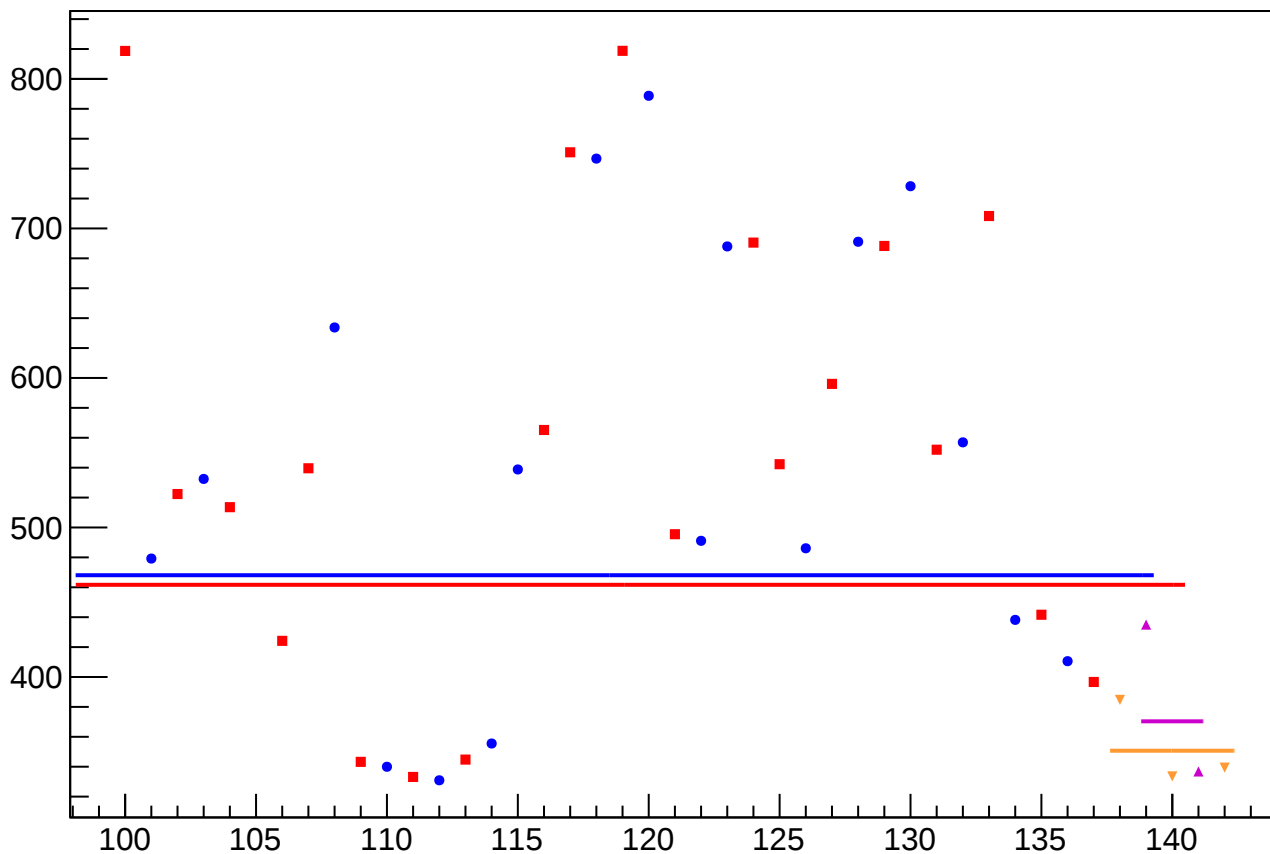
Right Out: 345.548 ± 179.160 $\chi^2/\text{NDF}: 13.1/19$

Left In: 149.983 ± 298.870 $\chi^2/\text{NDF}: 0.5/1$

162.766 ± 151.221 $\chi^2/\text{NDF}: 32.7/19$

293.850 ± 153.665 $\chi^2/\text{NDF}: 14.0/21$

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2/NDF : 880319.3/16

Left Out: 350.698 $\pm$ 0.179 χ^2/NDF : 16255.3/2

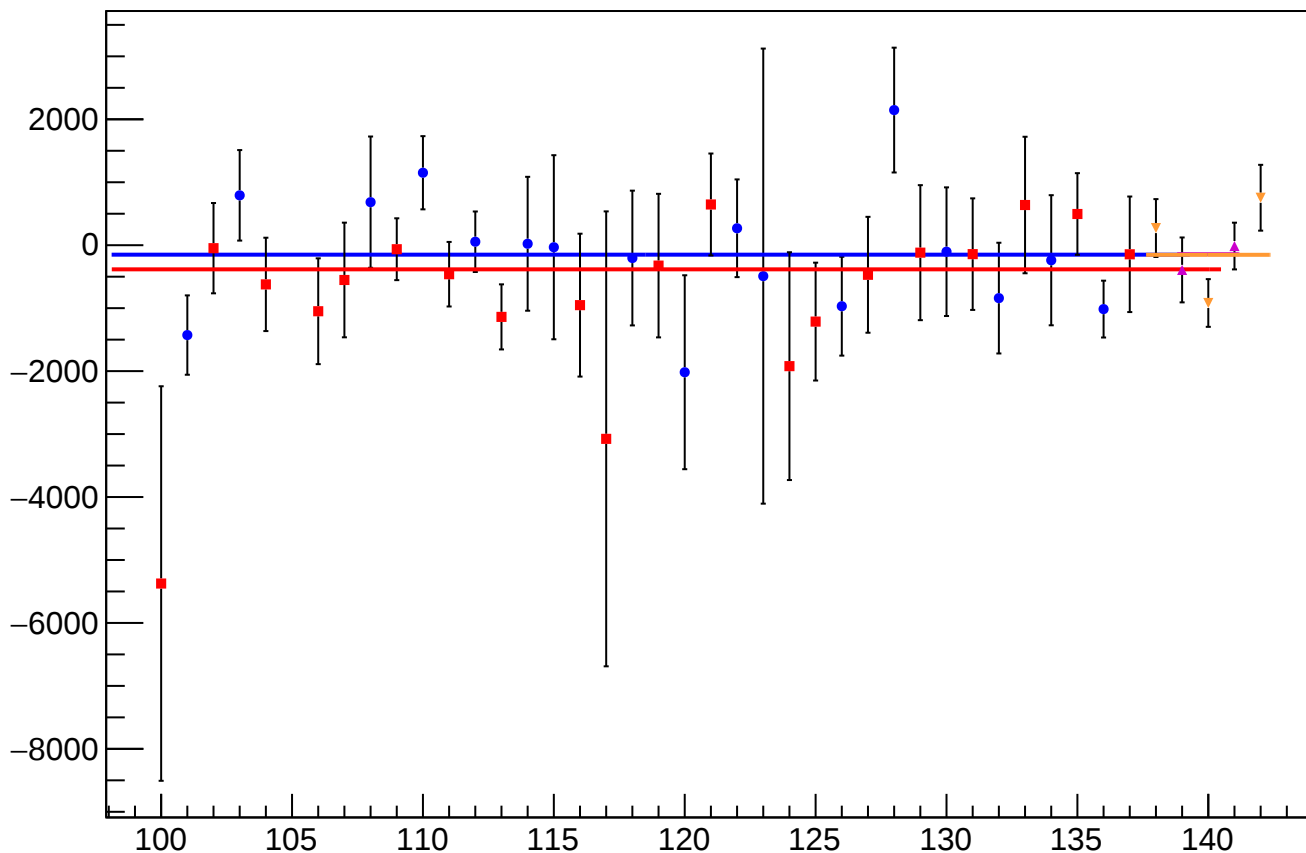
Right Out: 461.656 $\pm$ 0.127 χ^2/NDF : 967939.5/19

Left In: 370.354 $\pm$ 0.211 χ^2/NDF : 48569.7/1

426.190 $\pm$ 0.107 χ^2/NDF : 1173095.5/19

437.520 $\pm$ 0.109 χ^2/NDF : 1153814.6/21

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -152.523 ± 255.187 χ^2/NDF : 7.9/2

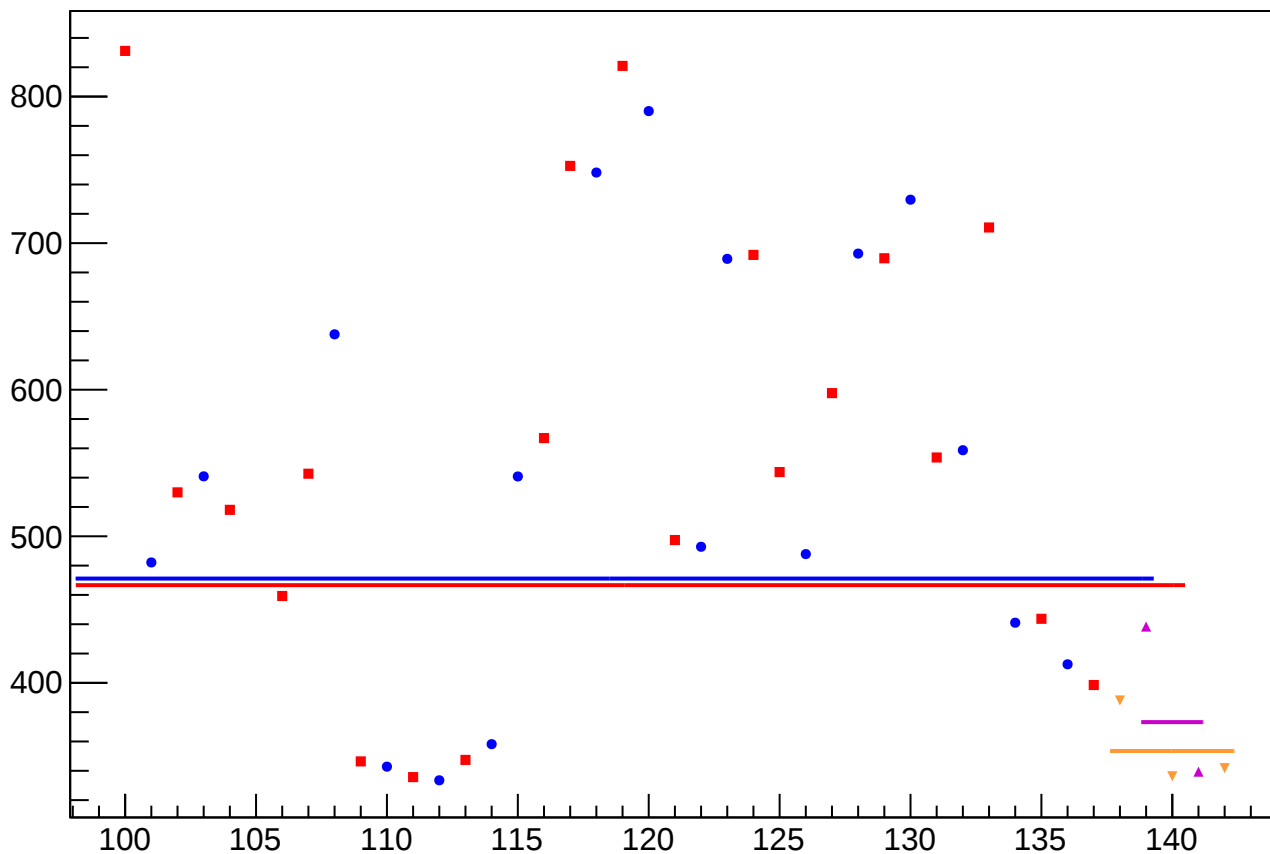
Right Out: -383.331 ± 181.030 χ^2/NDF : 13.0/19

Left In: -142.785 ± 301.174 χ^2/NDF : 0.4/1

-151.094 ± 152.258 χ^2/NDF : 32.2/19

-319.488 ± 155.158 χ^2/NDF : 13.8/21

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 353.519+/-0.180 χ^2/NDF :16384.8/2

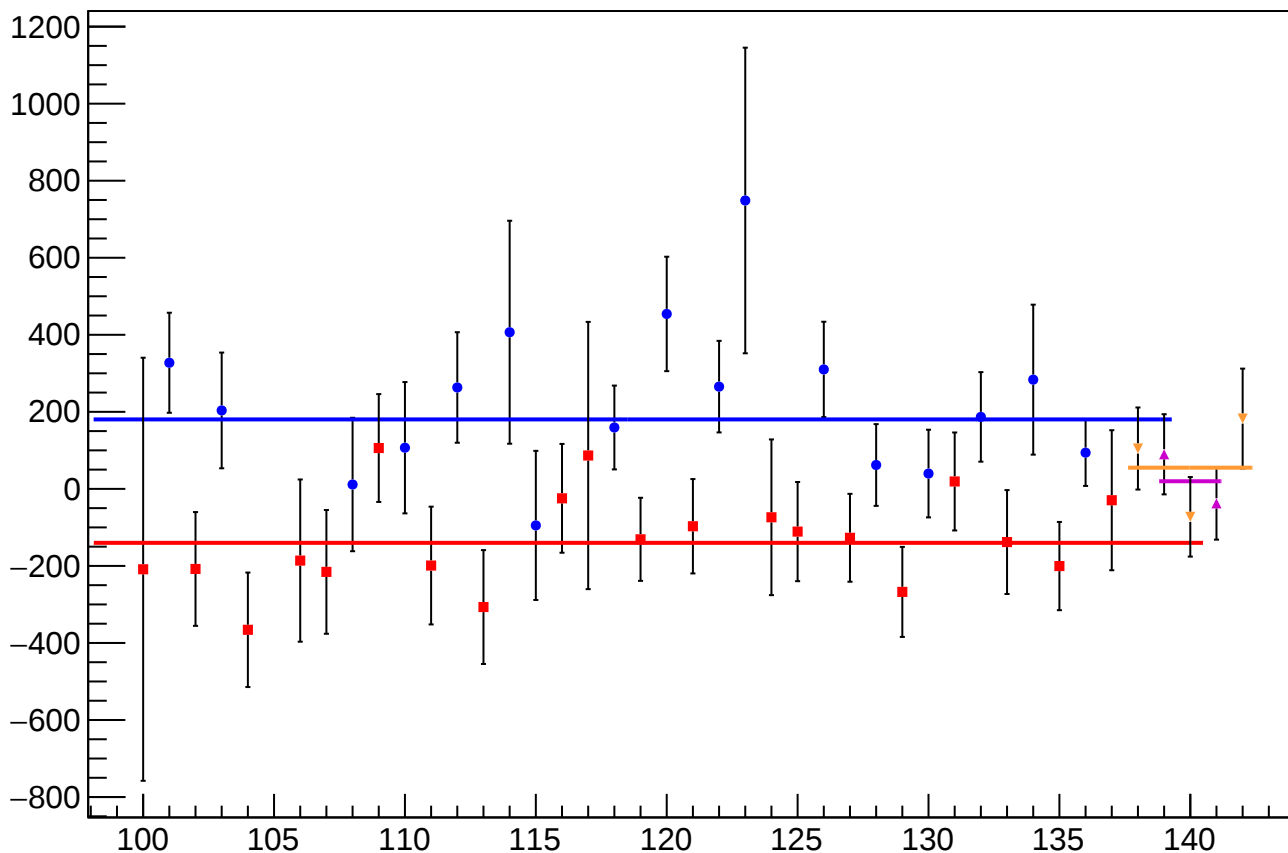
Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

Left In: 373.213+/-0.213 χ^2/NDF :48591.6/1

429.278+/-0.108 χ^2/NDF : 1161931.0/19

441.855+/-0.110 χ^2/NDF : 1143107.4/21

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: 55.047 $\pm$ 64.350 χ^2 /NDF: 2.7/2

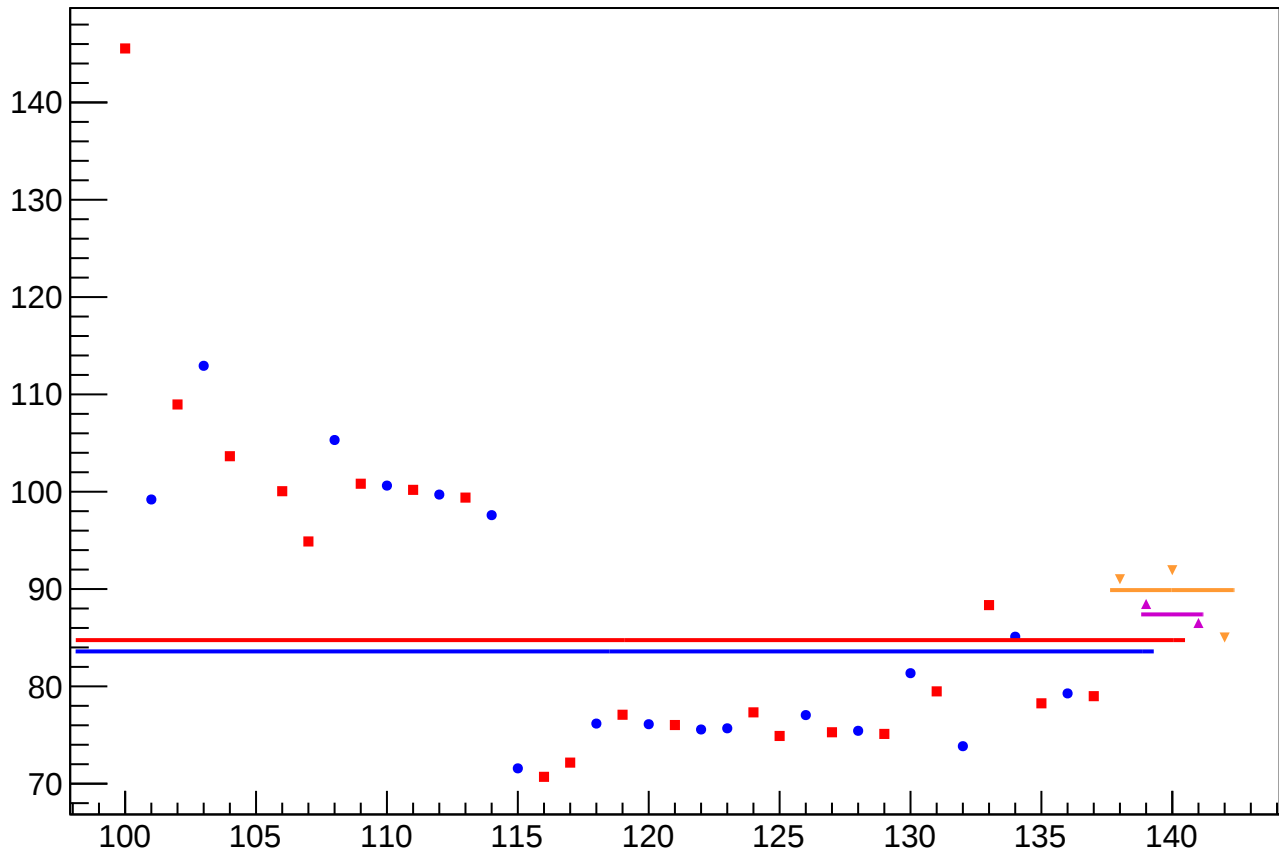
Right Out: -140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

Left In: 19.810 $\pm$ 69.837 χ^2 /NDF: 0.8/1

154.529 $\pm$ 29.201 χ^2 /NDF: 22.3/19

-112.043 $\pm$ 29.240 χ^2 /NDF: 17.3/21

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 $\pm$ 0.023 χ^2/NDF : 255921.7/16

Left Out: 89.891 $\pm$ 0.046 χ^2/NDF : 3827.7/2

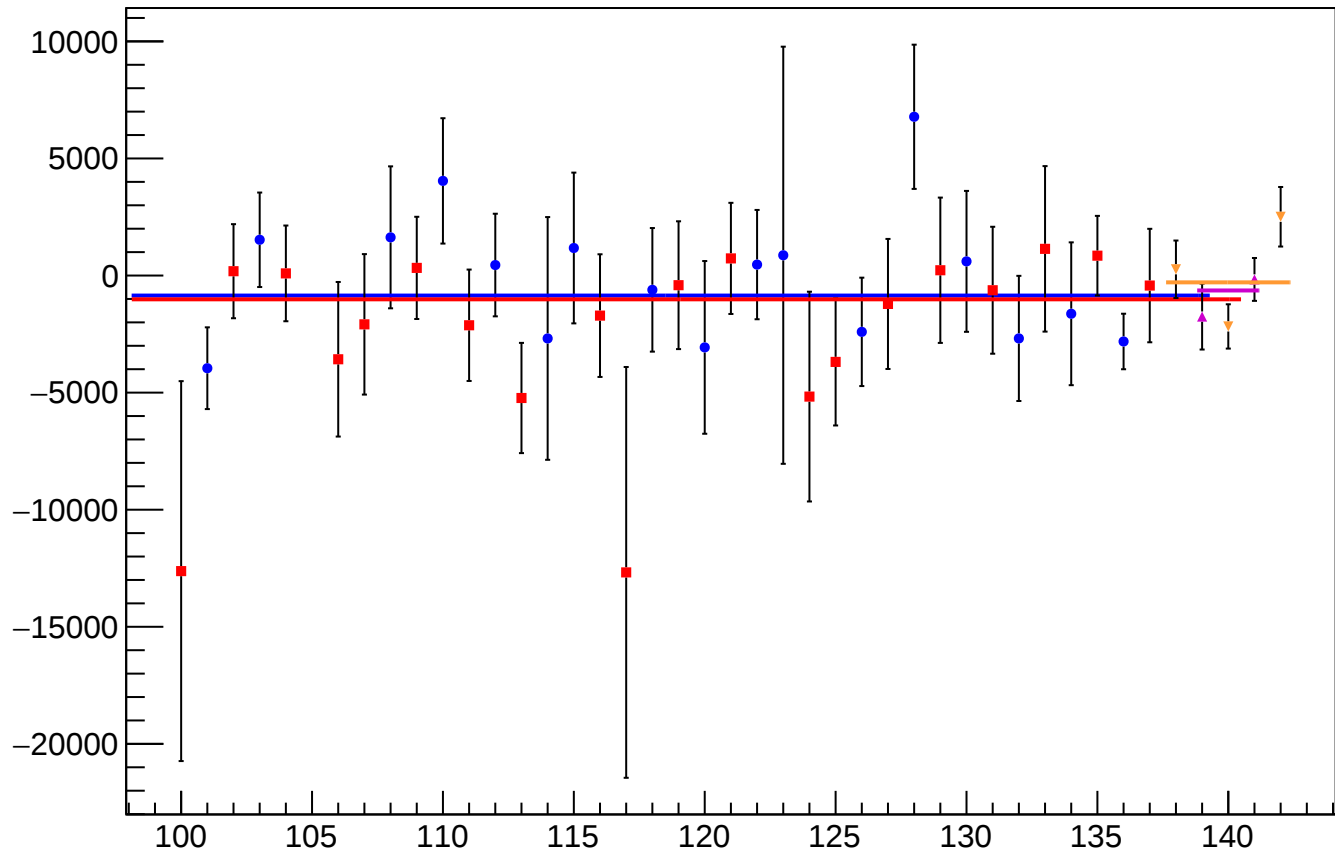
Right Out: 84.752 $\pm$ 0.023 χ^2/NDF : 293262.6/19

Left In: 87.394 $\pm$ 0.049 χ^2/NDF : 386.8/1

84.888 $\pm$ 0.021 χ^2/NDF : 274973.3/19

85.215 $\pm$ 0.021 χ^2/NDF : 296010.0/21

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -290.965+/-645.717 χ^2/NDF : 9.0/2

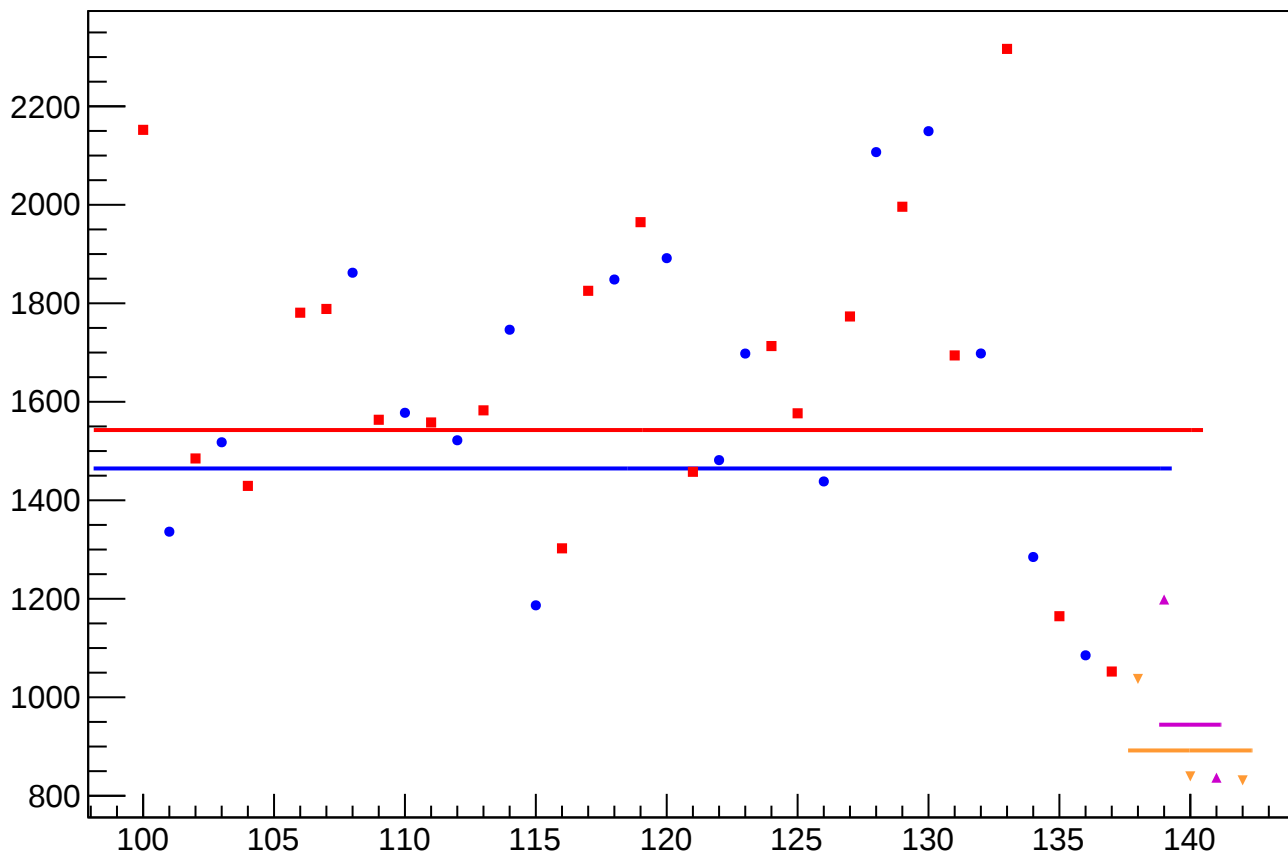
Right Out: -1015.523+/-587.747 χ^2/NDF : 13.3/19

Left In: -637.411+/-767.398 χ^2/NDF : 0.9/1

-601.728+/-432.841 χ^2/NDF : 29.7/19

-875.727+/-466.614 χ^2/NDF : 14.3/21

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 892.053 $\pm$ 0.457 χ^2 /NDF:38725.3/2

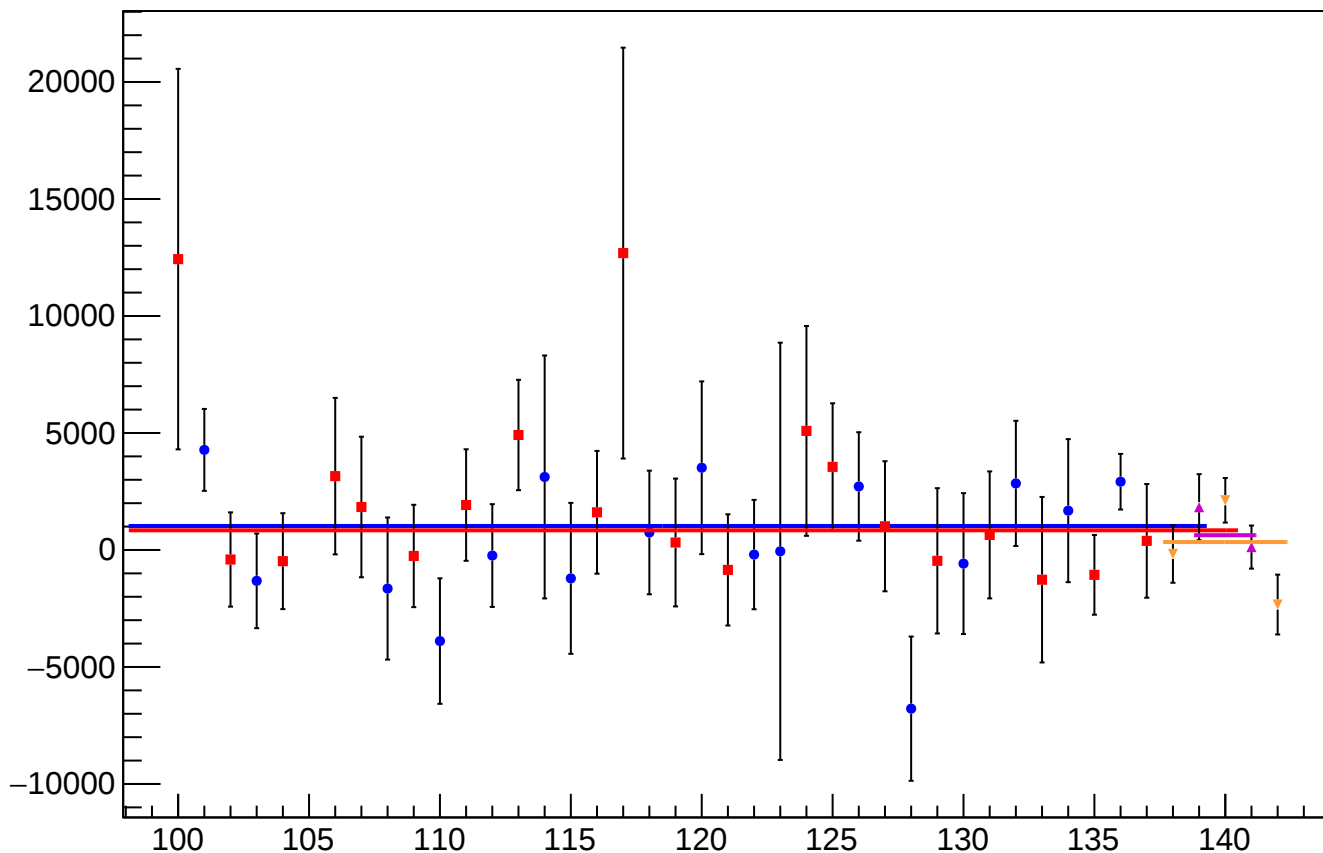
Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

Left In: 944.344 $\pm$ 0.543 χ^2 /NDF:92853.4/1

1207.354 $\pm$ 0.306 χ^2 /NDF: 1465570.0/19

1321.453 $\pm$ 0.330 χ^2 /NDF: 1314930.4/21

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527+/-584.500 χ^2/NDF : 20.9/16

Left Out: 339.262+/-649.158 χ^2/NDF : 8.0/2

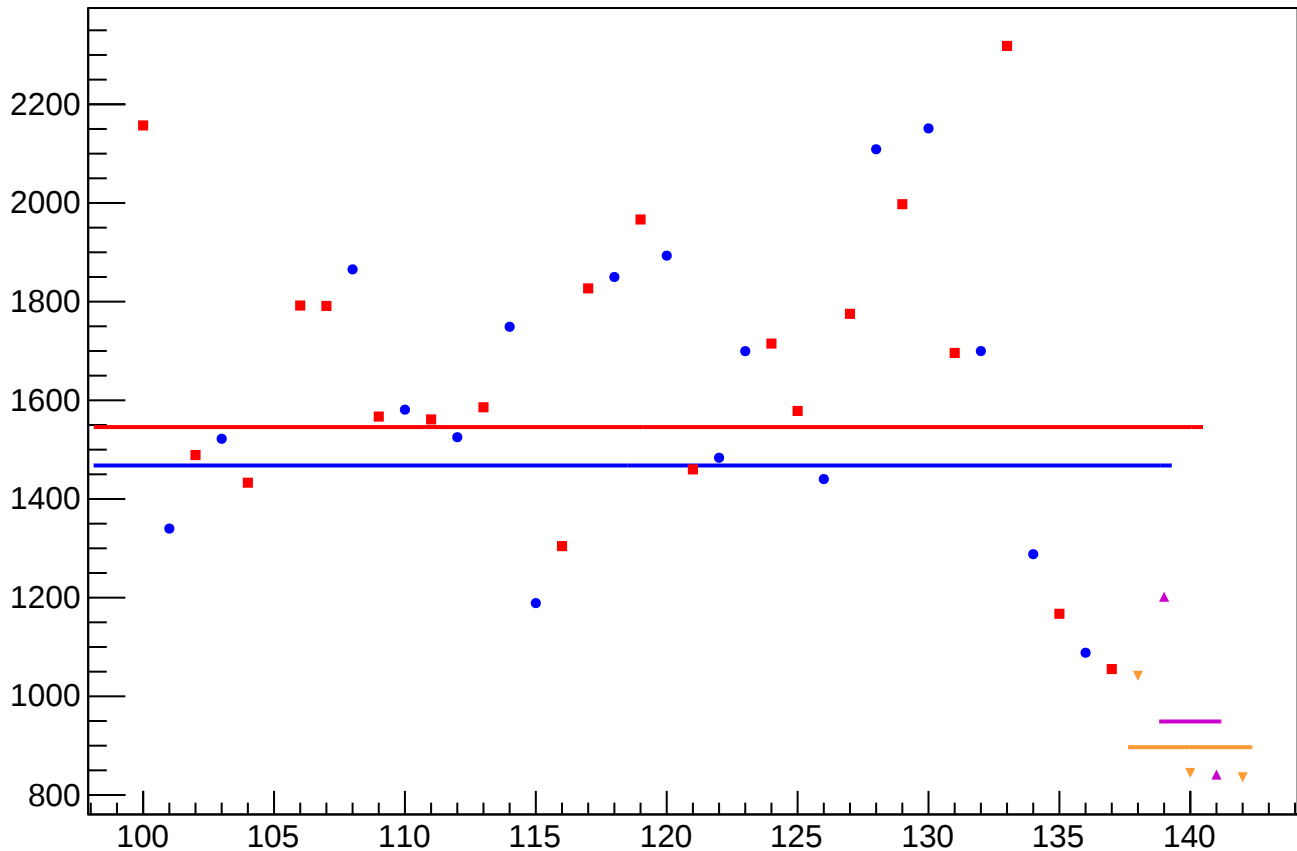
Right Out: 840.586+/-589.057 χ^2/NDF : 13.0/19

Left In: 632.541+/-770.976 χ^2/NDF : 1.0/1

718.265+/-434.370 χ^2/NDF : 29.6/19

763.903+/-468.072 χ^2/NDF : 14.1/21

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905 $\pm$ 0.413 χ^2 /NDF: 557458.9/16

Left Out: 896.977 $\pm$ 0.459 χ^2 /NDF:38144.2/2

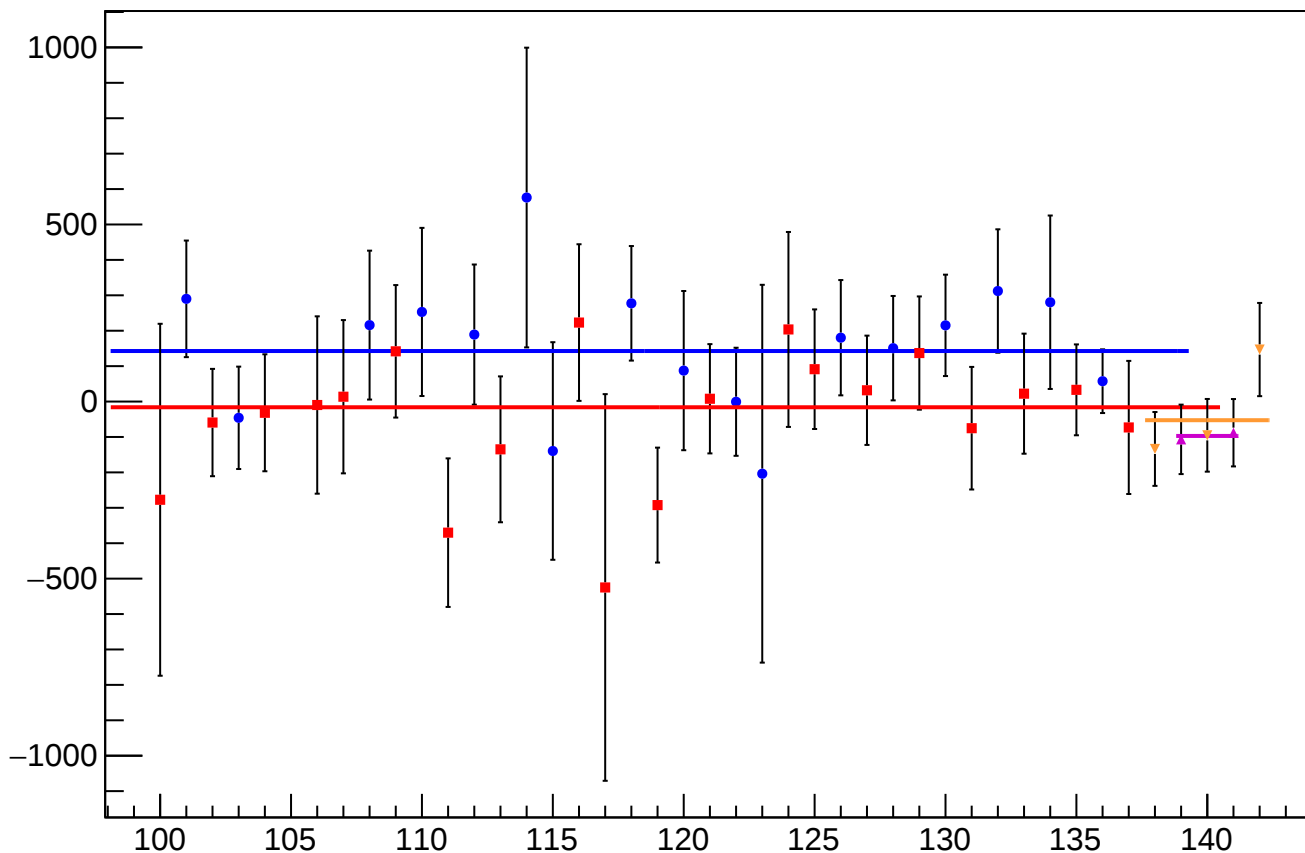
Right Out: 1545.785 $\pm$ 0.417 χ^2 /NDF: 453865.6/19

Left In: 949.004 $\pm$ 0.545 χ^2 /NDF:91523.0/1

1212.283 $\pm$ 0.307 χ^2 /NDF: 1449964.2/19

1325.817 $\pm$ 0.331 χ^2 /NDF: 1302028.5/21

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -52.648 $\pm$ 63.933 χ^2 /NDF: 3.1/2

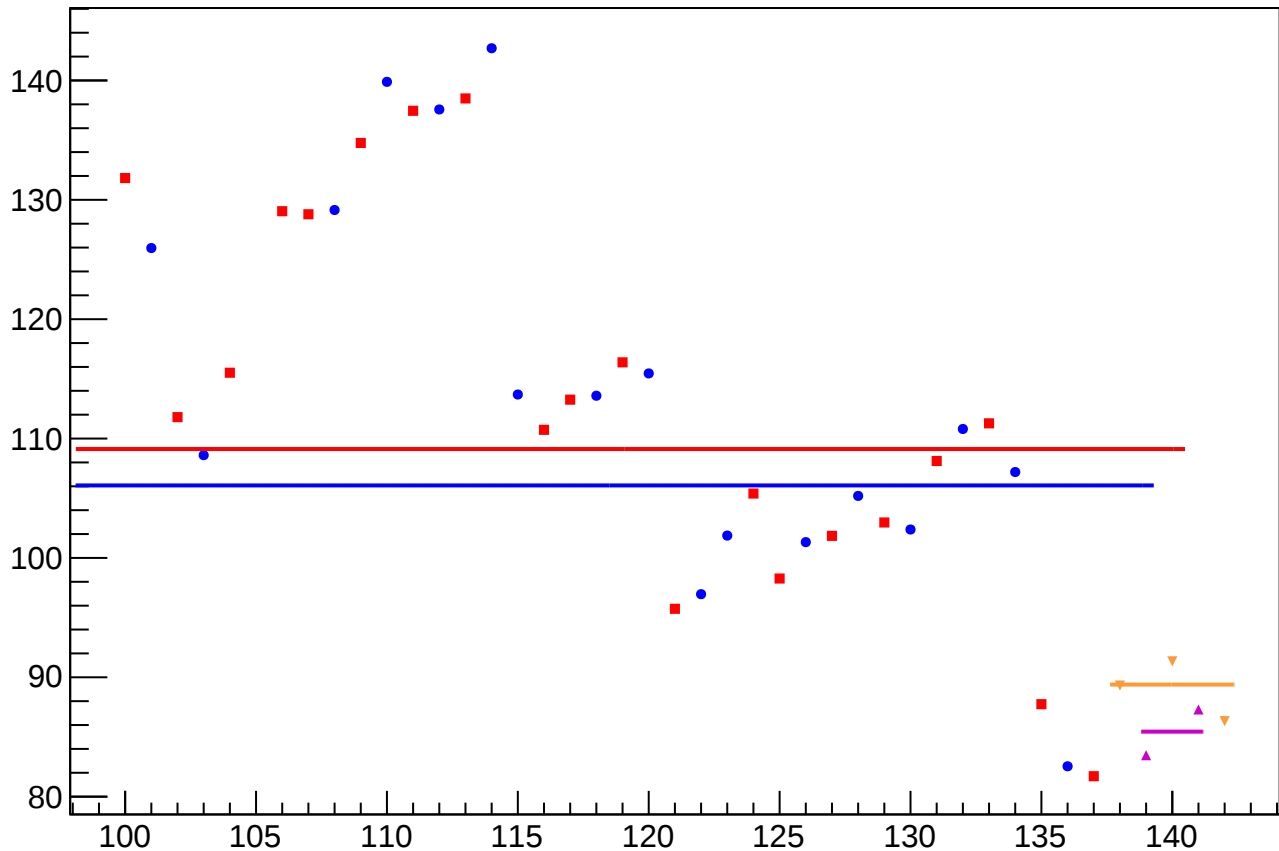
Right Out: -16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

Left In: -97.096 $\pm$ 68.269 χ^2 /NDF: 0.0/1

84.533 $\pm$ 34.883 χ^2 /NDF: 19.0/19

-37.786 $\pm$ 35.323 χ^2 /NDF: 12.8/21

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2/NDF : 317907.9/16

Left Out: 89.390 $\pm$ 0.045 χ^2/NDF :1804.4/2

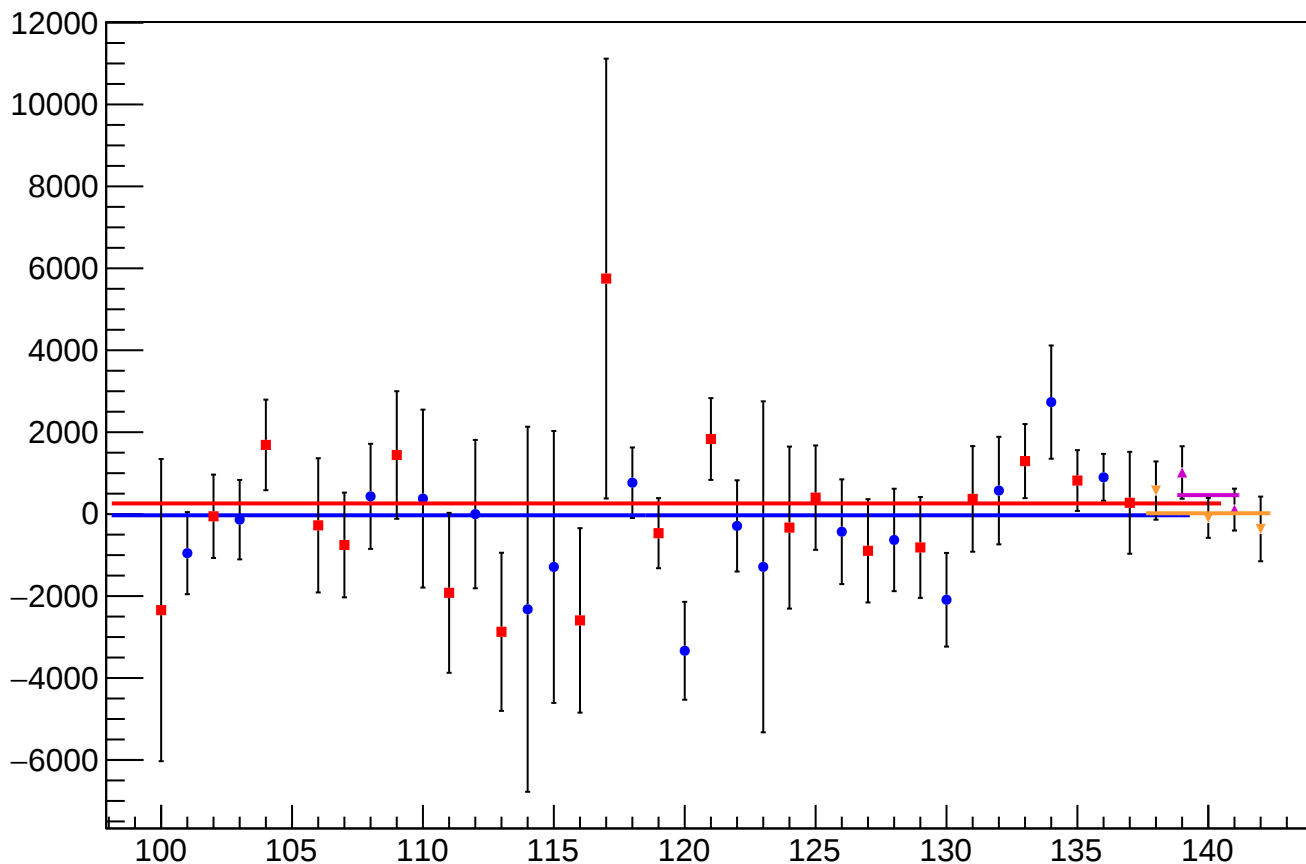
Right Out: 109.124 $\pm$ 0.029 χ^2/NDF : 285510.2/19

Left In: 85.446 $\pm$ 0.048 χ^2/NDF :1574.6/1

101.107 $\pm$ 0.025 χ^2/NDF : 415357.2/19

102.785 $\pm$ 0.025 χ^2/NDF : 463262.0/21

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 $\chi^2/\text{NDF}: 20.5/16$

Left Out: 21.610 ± 357.919 $\chi^2/\text{NDF}: 0.9/2$

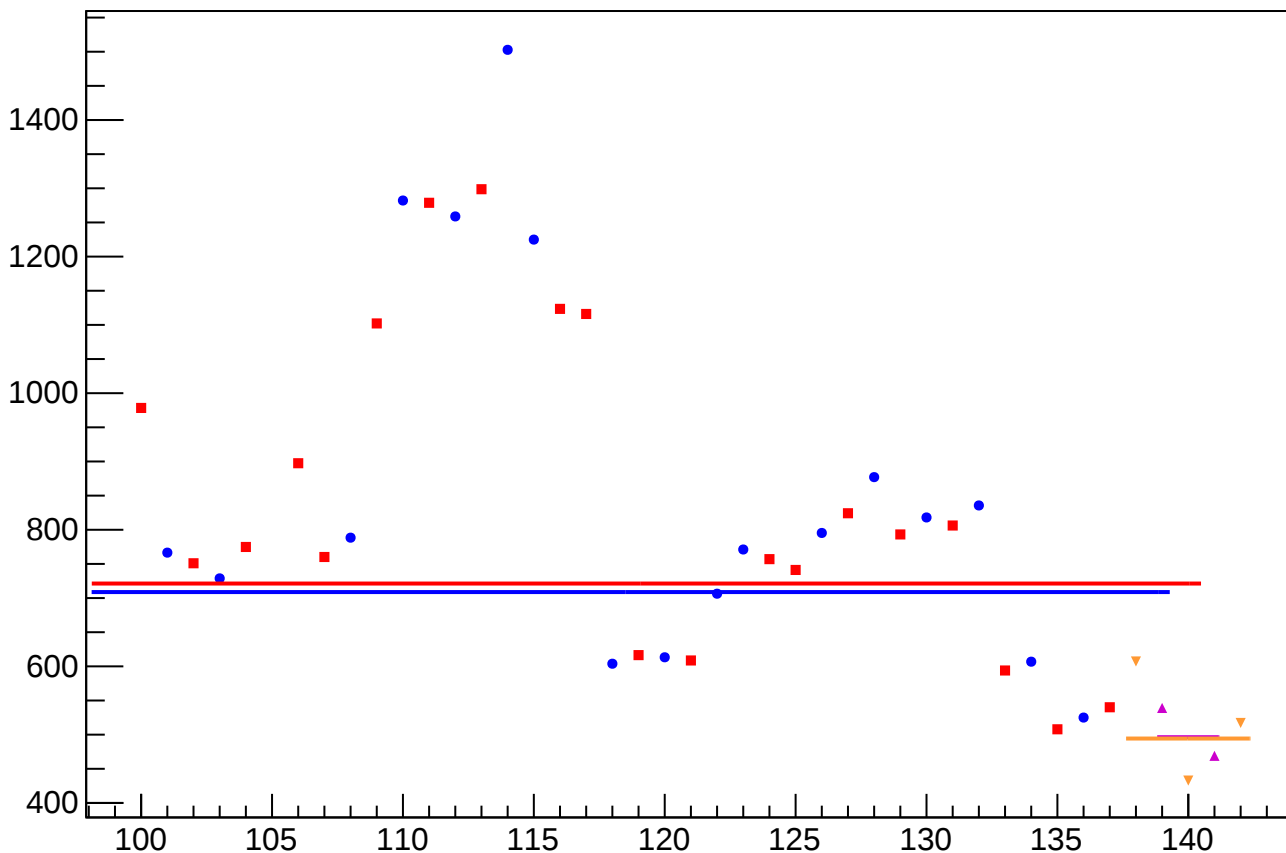
Right Out: 261.265 ± 279.073 $\chi^2/\text{NDF}: 16.9/19$

Left In: 464.065 ± 399.220 $\chi^2/\text{NDF}: 1.2/1$

-8.836 ± 222.349 $\chi^2/\text{NDF}: 21.4/19$

327.836 ± 228.728 $\chi^2/\text{NDF}: 18.3/21$

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 494.314 $\pm$ 0.253 χ^2 /NDF: 83998.0/2

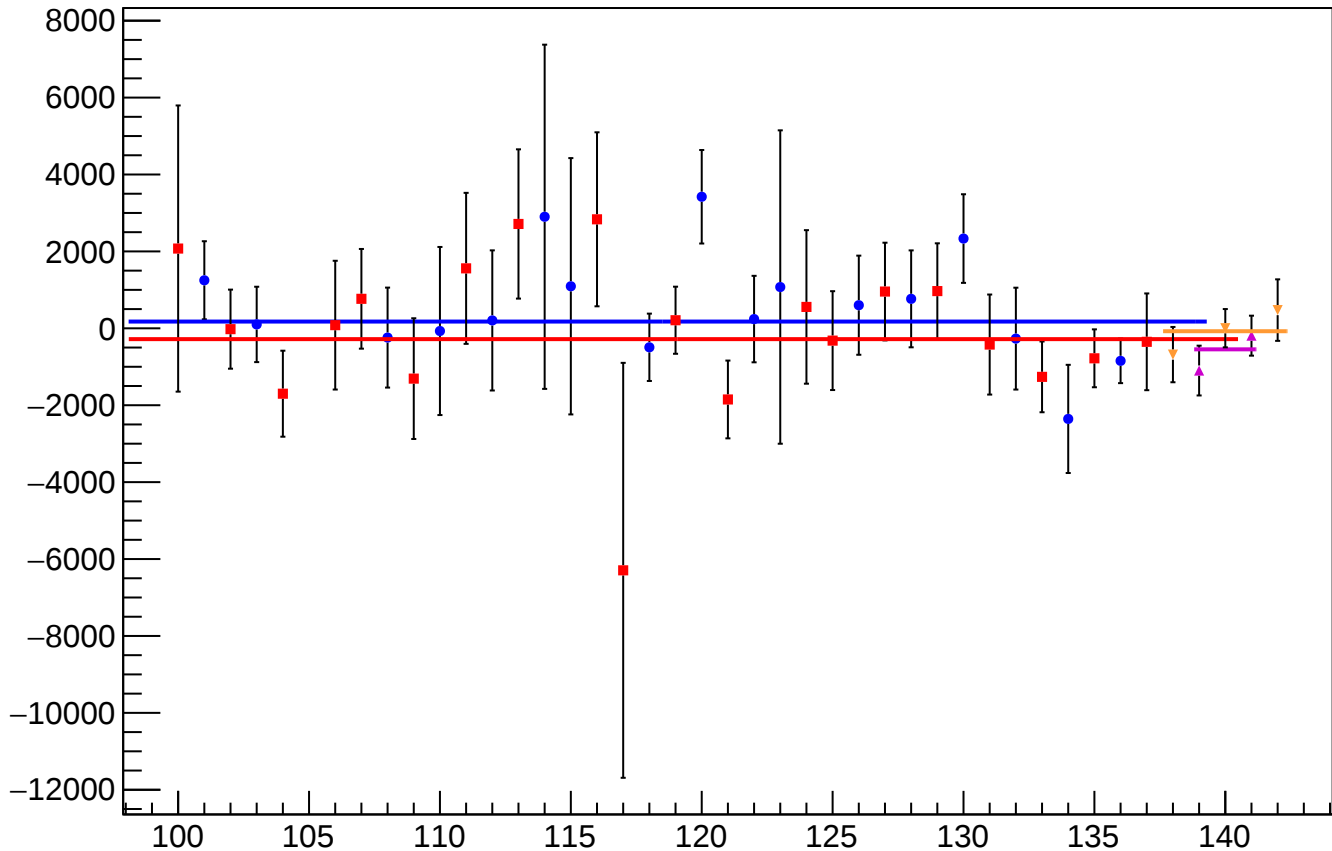
Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

Left In: 496.313 $\pm$ 0.282 χ^2 /NDF: 14670.8/1

626.016 $\pm$ 0.157 χ^2 /NDF: 1318515.1/19

647.427 $\pm$ 0.162 χ^2 /NDF: 1352043.6/21

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -75.385 $\pm$ 364.343 χ^2 /NDF: 1.2/2

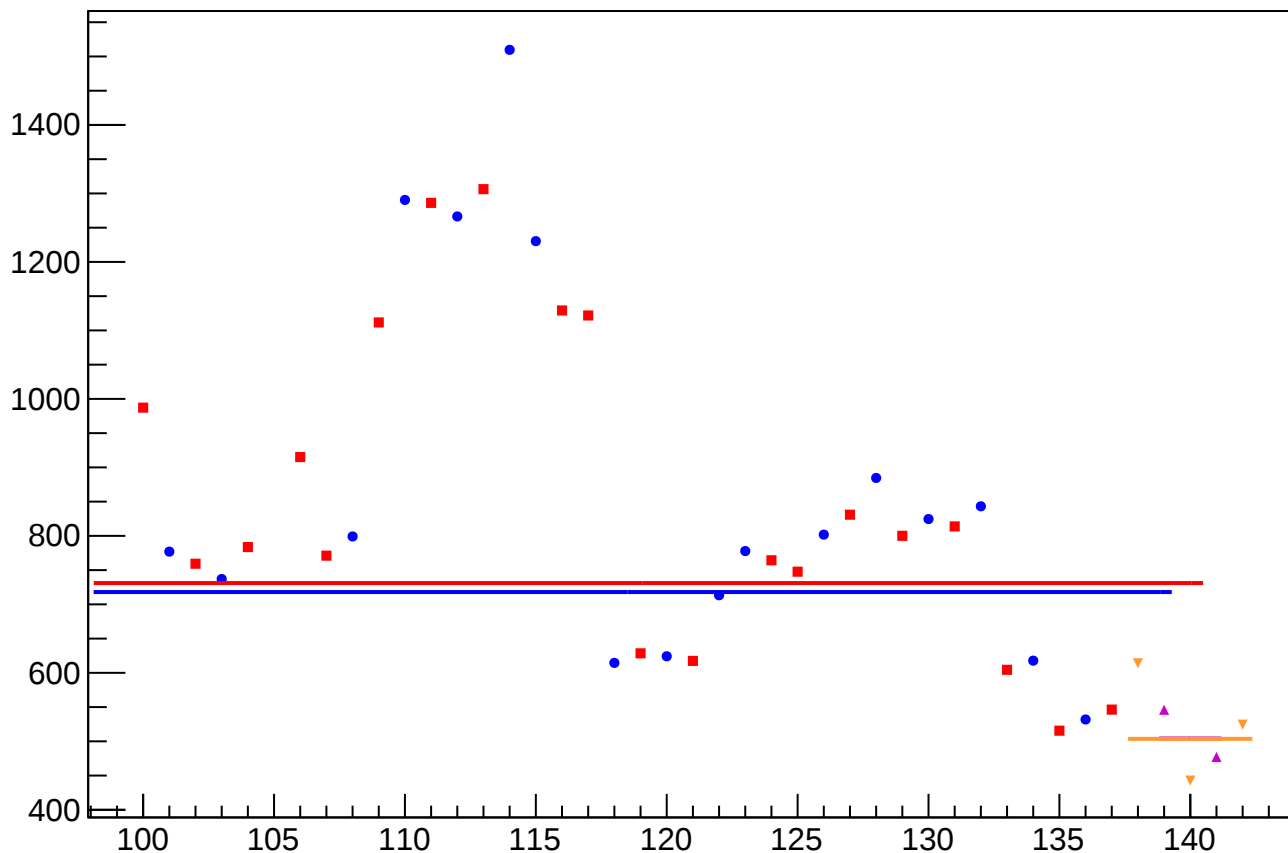
Right Out: -281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

Left In: -546.769 $\pm$ 405.383 χ^2 /NDF: 1.2/1

79.563 $\pm$ 225.559 χ^2 /NDF: 21.2/19

-368.069 $\pm$ 231.875 χ^2 /NDF: 17.5/21

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 503.633+/-0.258 χ^2/NDF : 78398.4/2

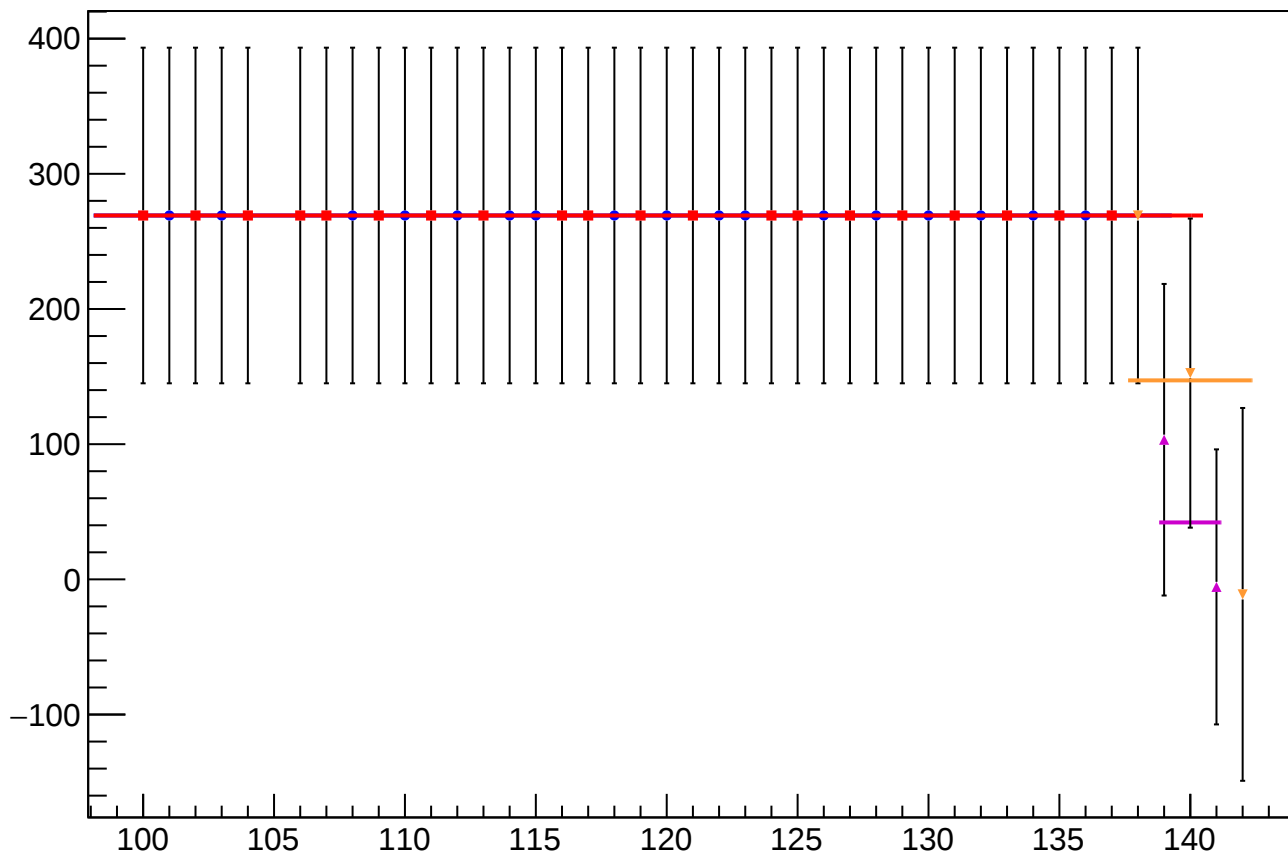
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 504.166+/-0.287 χ^2/NDF : 13781.3/1

635.824+/-0.159 χ^2/NDF : 1283868.6/19

656.864+/-0.164 χ^2/NDF : 1327895.0/21

reg_asym_sam_1548_avg_mean vs Slug



Right In: 269.172 $\pm$ 30.110 χ^2 /NDF: 0.0/16

Left Out: 147.198 $\pm$ 71.802 χ^2 /NDF:2.3/2

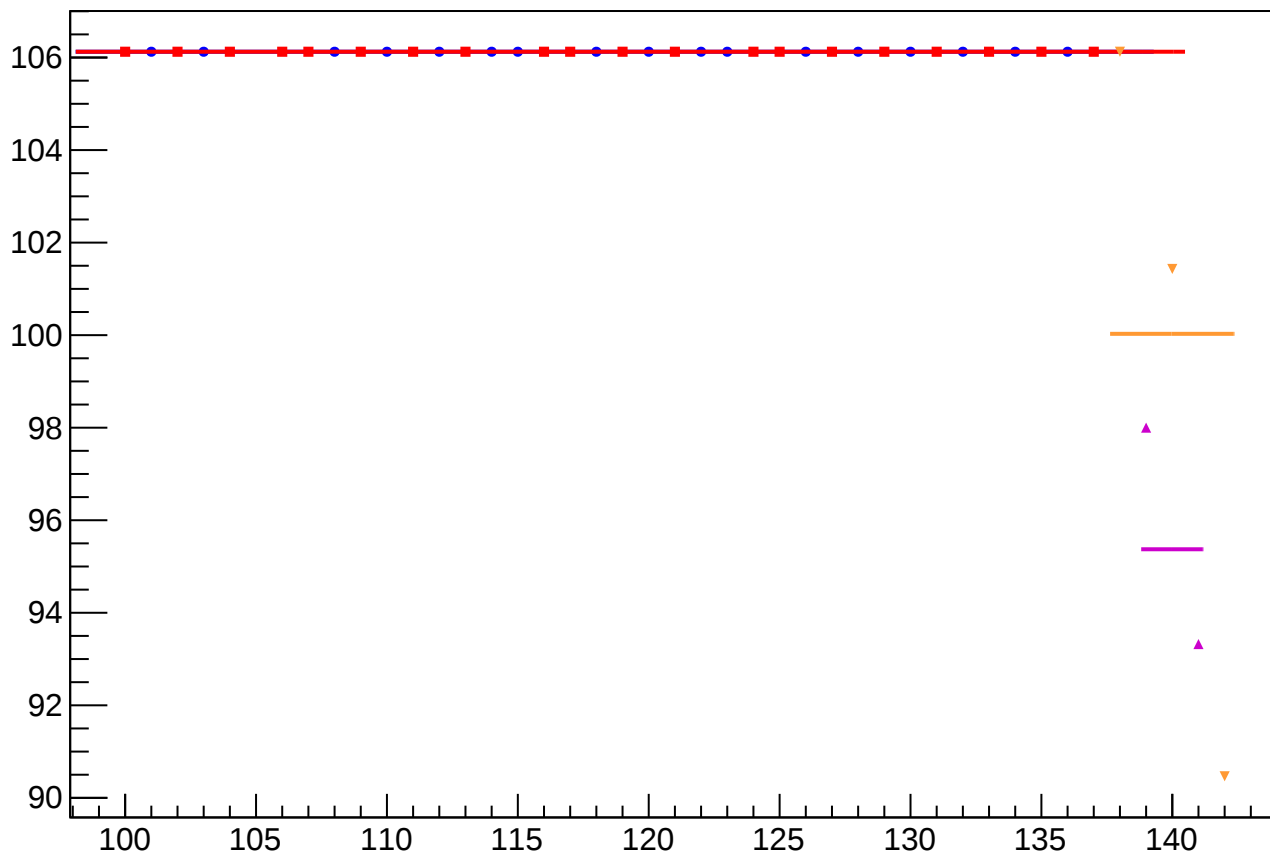
Right Out: 269.172 $\pm$ 27.760 χ^2 /NDF: 0.0/19

Left In: 42.105 $\pm$ 76.269 χ^2 /NDF:0.5/1

250.930 $\pm$ 27.767 χ^2 /NDF: 4.7/19

242.610 $\pm$ 26.086 χ^2 /NDF: 8.3/21

reg_asym_sam_1548_avg_rms vs Slug



Right In: 106.125 $\pm$ 0.021 χ^2 /NDF: 0.0/16

Left Out: 100.029 $\pm$ 0.051 χ^2 /NDF:14741.3/2

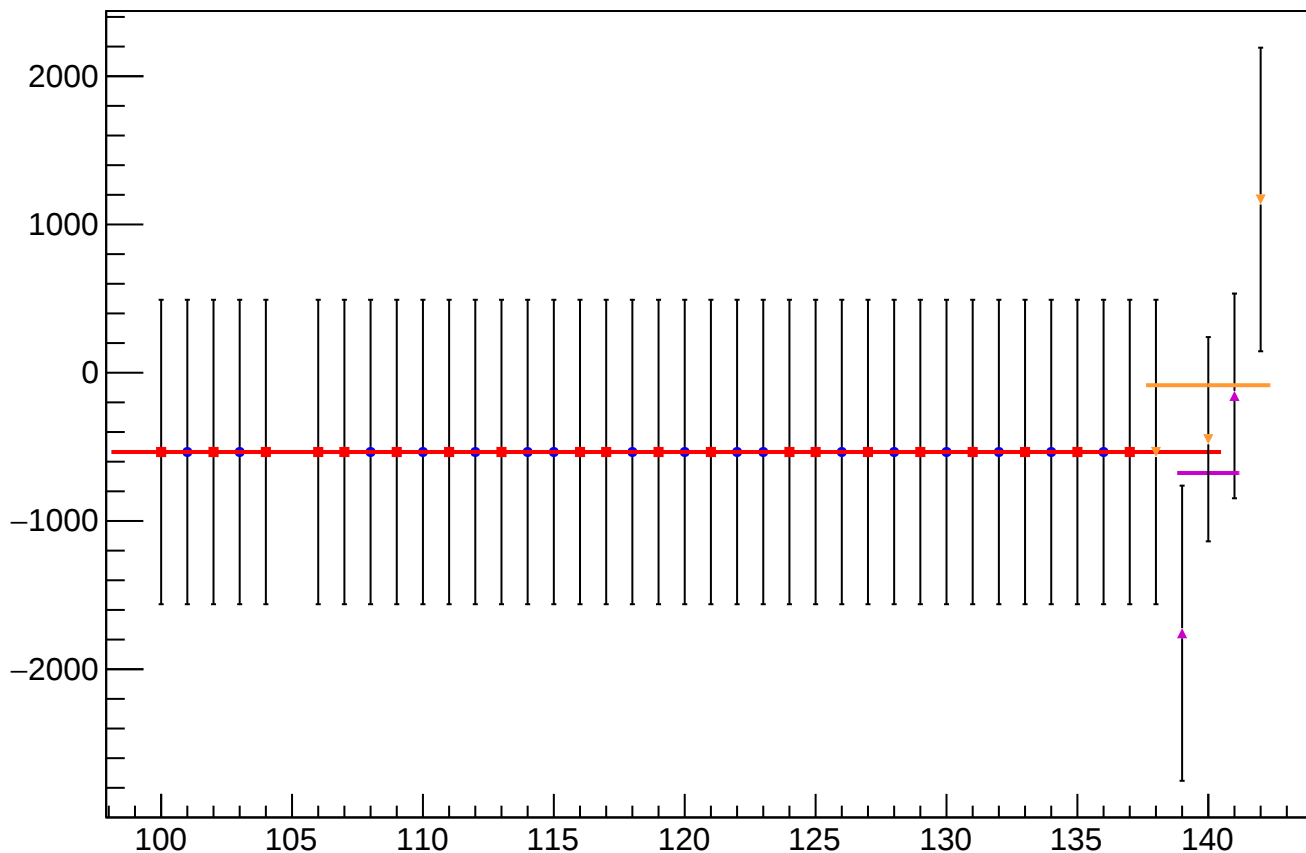
Right Out: 106.125 $\pm$ 0.020 χ^2 /NDF: 0.0/19

Left In: 95.372 $\pm$ 0.054 χ^2 /NDF:1851.6/1

105.214 $\pm$ 0.020 χ^2 /NDF: 27004.5/19

104.867 $\pm$ 0.018 χ^2 /NDF: 36955.7/21

asym_sam_1548_avg_correction_mean vs Slug



Right In: -534.744+/-249.039 χ^2/NDF : 0.0/16

Left Out: -84.228+/-499.434 χ^2/NDF : 2.0/2

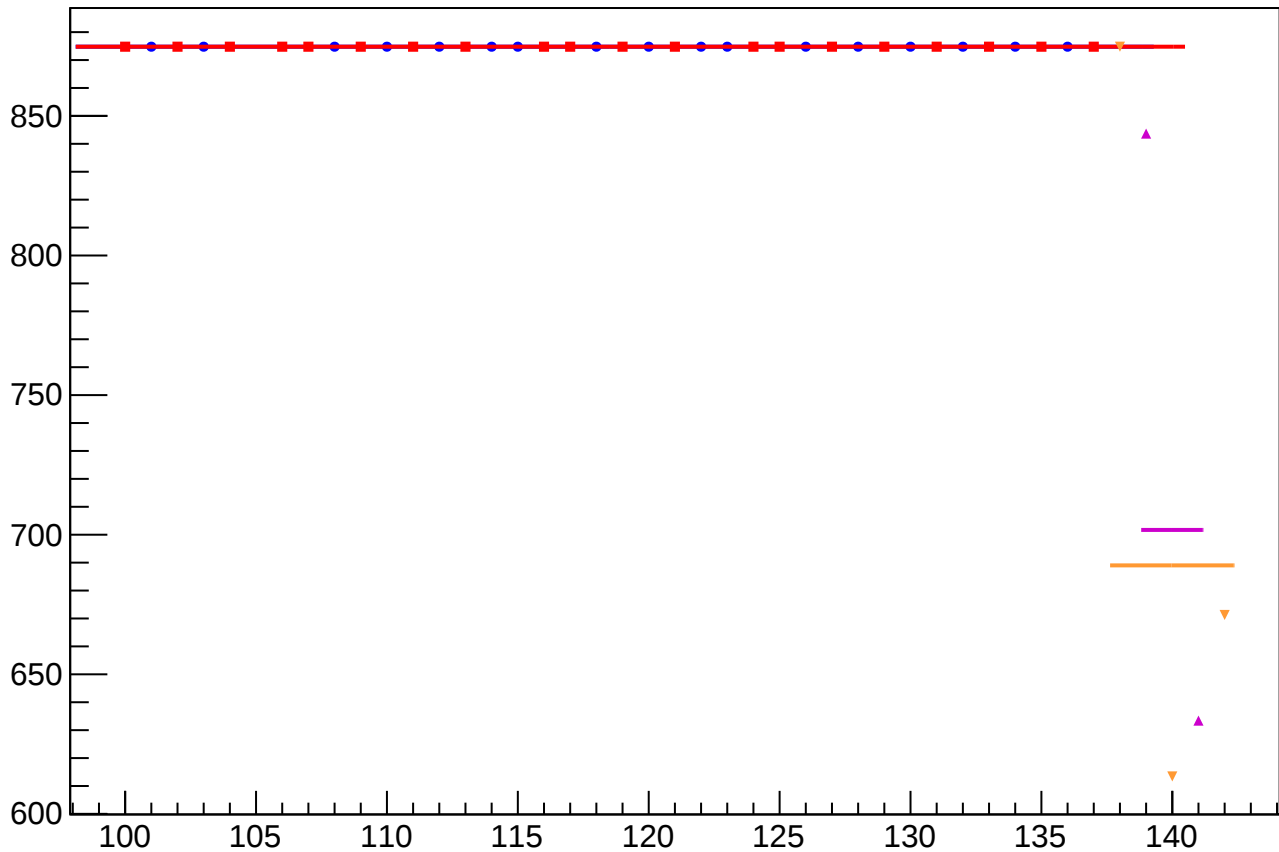
Right Out: -534.744+/-229.602 χ^2/NDF : 0.0/19

Left In: -676.454+/-567.356 χ^2/NDF : 1.7/1

-445.033+/-222.868 χ^2/NDF : 2.6/19

-554.687+/-212.835 χ^2/NDF : 1.8/21

asym_sam_1548_avg_correction_rms vs Slug



Right In: 874.783 $\pm$ 0.176 χ^2 /NDF: 0.0/16

Left Out: 689.014 $\pm$ 0.353 χ^2 /NDF: 90140.5/2

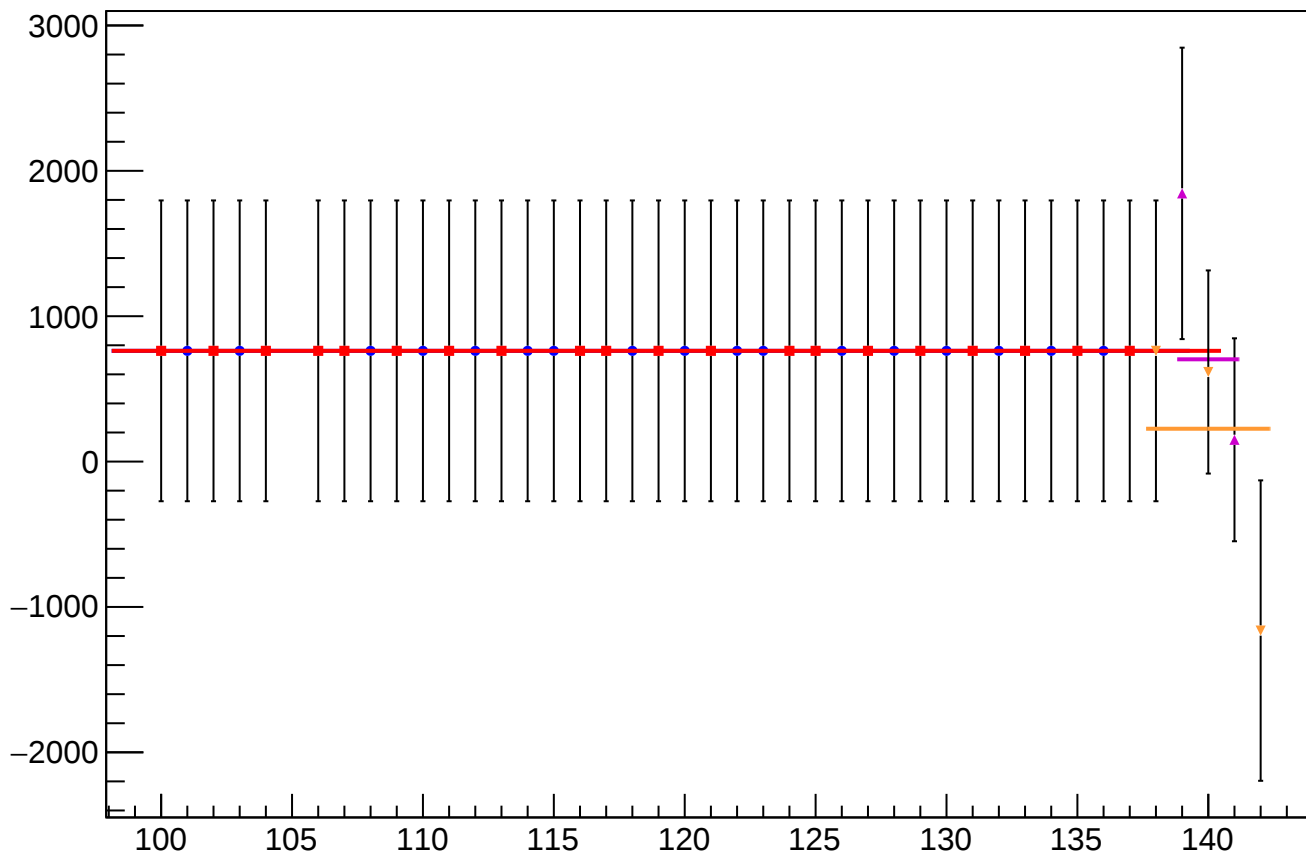
Right Out: 874.783 $\pm$ 0.162 χ^2 /NDF: 0.0/19

Left In: 701.713 $\pm$ 0.401 χ^2 /NDF: 60233.0/1

837.791 $\pm$ 0.158 χ^2 /NDF: 311746.8/19

850.427 $\pm$ 0.150 χ^2 /NDF: 220150.7/21

asym_sam_1548_avg_mean vs Slug



Right In: 761.735 $\pm$ 250.914 χ^2 /NDF: 0.0/16

Left Out: 225.847 $\pm$ 505.110 χ^2 /NDF:2.4/2

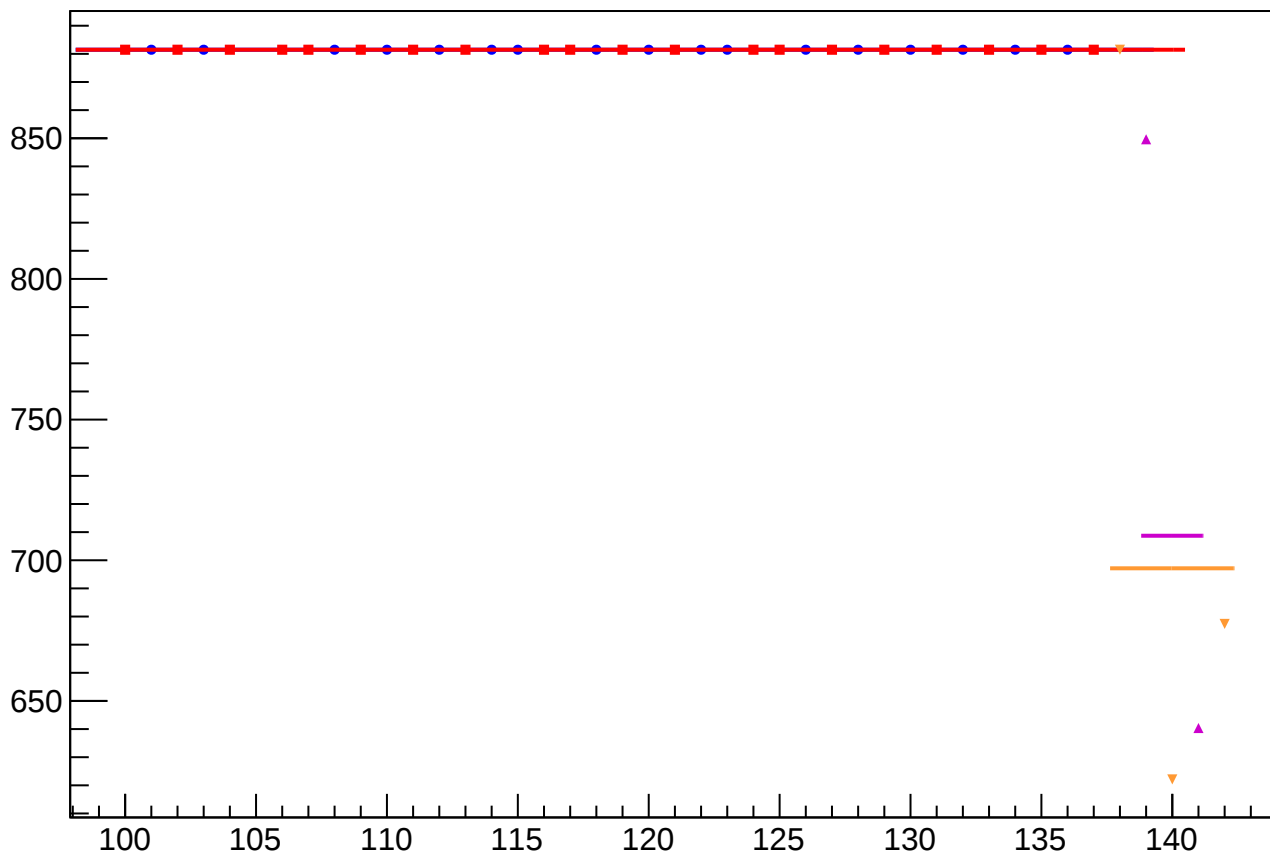
Right Out: 761.735 $\pm$ 231.331 χ^2 /NDF: 0.0/19

Left In: 703.443 $\pm$ 572.833 χ^2 /NDF:1.9/1

655.671 $\pm$ 224.715 χ^2 /NDF: 3.3/19

753.562 $\pm$ 214.501 χ^2 /NDF: 1.9/21

asym_sam_1548_avg_rms vs Slug



Right In: 881.467+/-0.177 χ^2/NDF : 0.0/16

Left Out: 697.141+/-0.357 χ^2/NDF : 87288.8/2

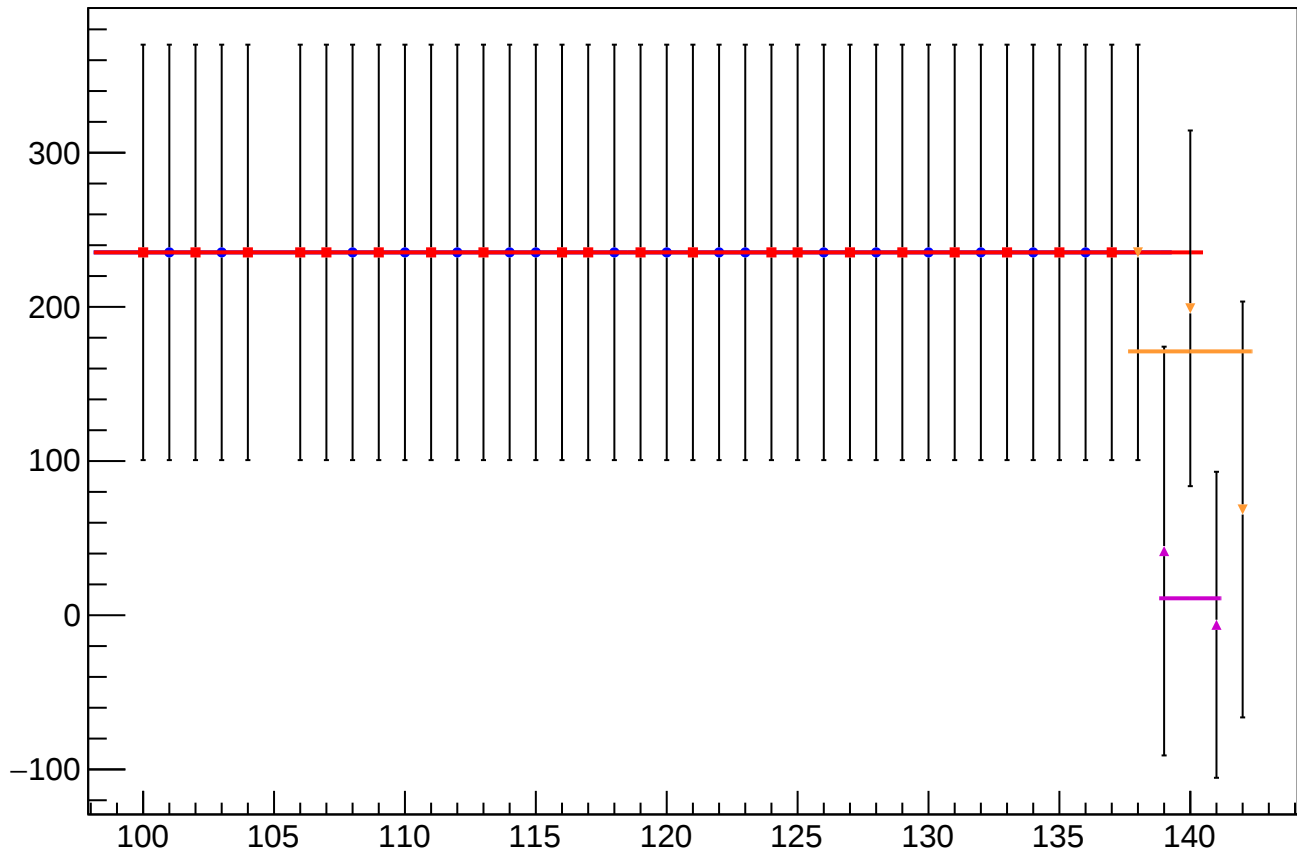
Right Out: 881.467+/-0.164 χ^2/NDF : 0.0/19

Left In: 708.718+/-0.405 χ^2/NDF : 58702.4/1

844.985+/-0.159 χ^2/NDF : 300911.3/19

857.245+/-0.152 χ^2/NDF : 215088.6/21

reg_asym_sam_3748_avg_mean vs Slug



Right In: 235.346 $\pm$ 32.676 χ^2 /NDF: 0.0/16

Left Out: 171.132 $\pm$ 73.474 χ^2 /NDF:0.9/2

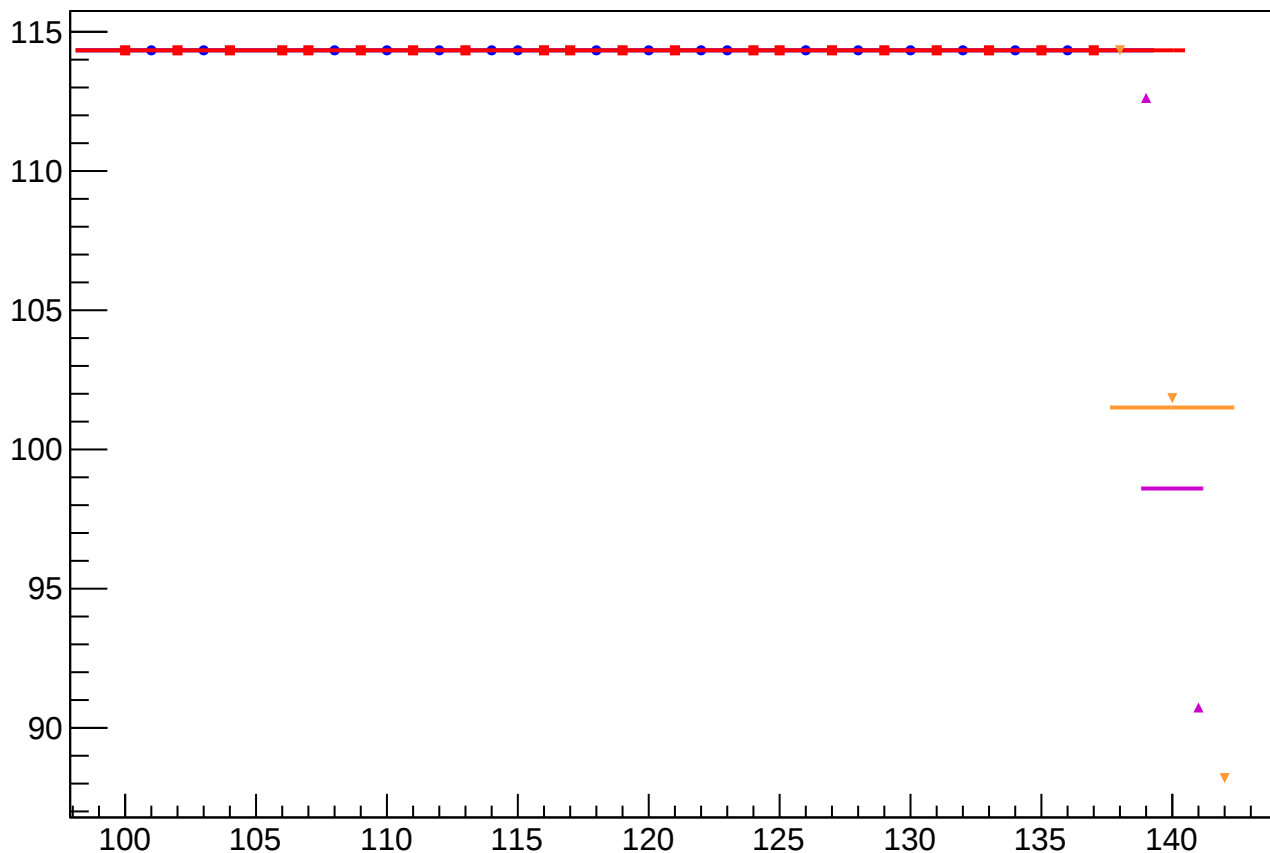
Right Out: 235.346 $\pm$ 30.125 χ^2 /NDF: 0.0/19

Left In: 10.981 $\pm$ 79.444 χ^2 /NDF:0.1/1

224.743 $\pm$ 29.856 χ^2 /NDF: 1.5/19

207.140 $\pm$ 28.168 χ^2 /NDF: 7.1/21

reg_asym_sam_3748_avg_rms vs Slug



Right In: 114.335 $\pm$ 0.023 χ^2 /NDF: 0.0/16

Left Out: 101.507 $\pm$ 0.052 χ^2 /NDF:37634.4/2

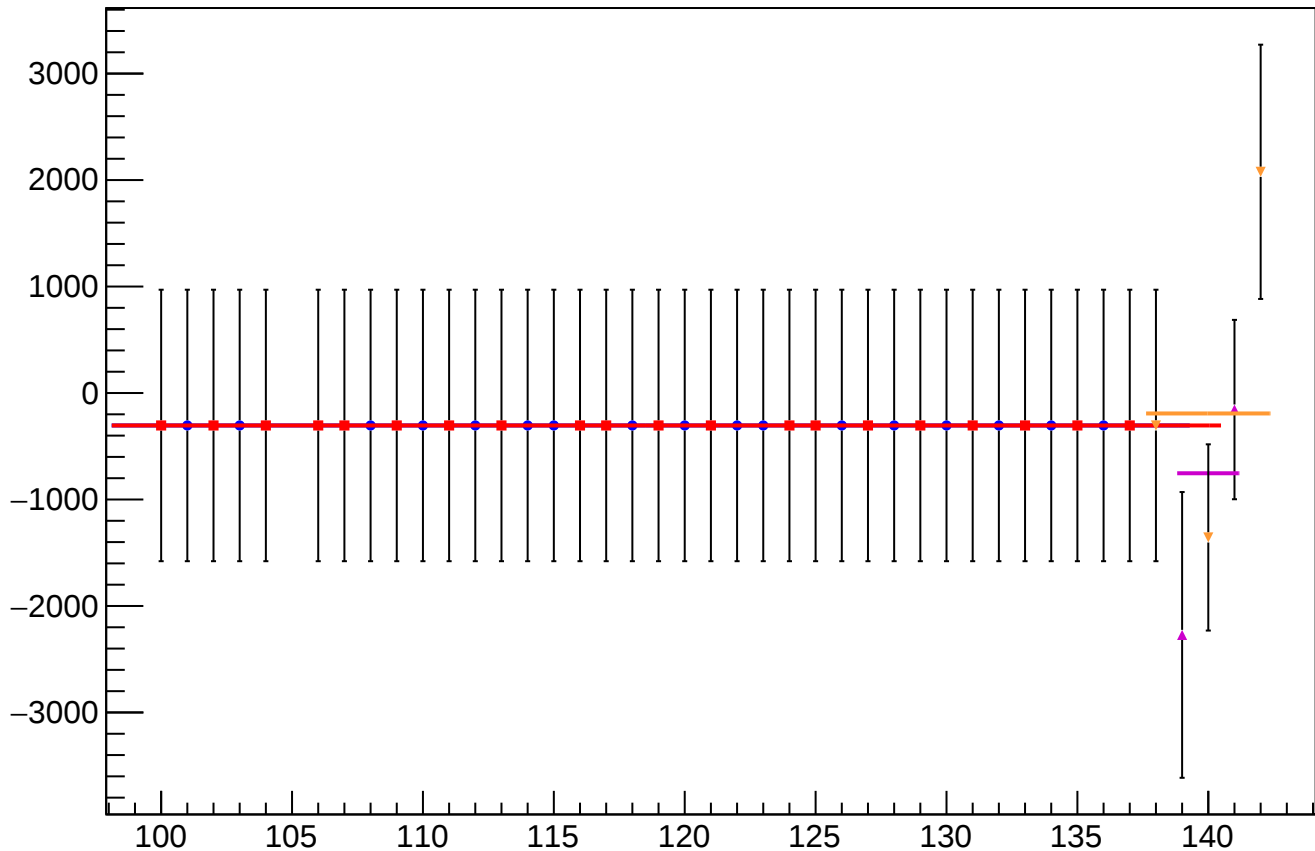
Right Out: 114.335 $\pm$ 0.021 χ^2 /NDF: 0.0/19

Left In: 98.598 $\pm$ 0.056 χ^2 /NDF:34953.6/1

112.217 $\pm$ 0.021 χ^2 /NDF: 88533.9/19

112.357 $\pm$ 0.020 χ^2 /NDF: 103568.6/21

asym_sam_3748_avg_correction_mean vs Slug



Right In: -304.659+/-309.179 χ^2/NDF : 0.0/16

Left Out: -191.991+/-617.287 χ^2/NDF : 5.4/2

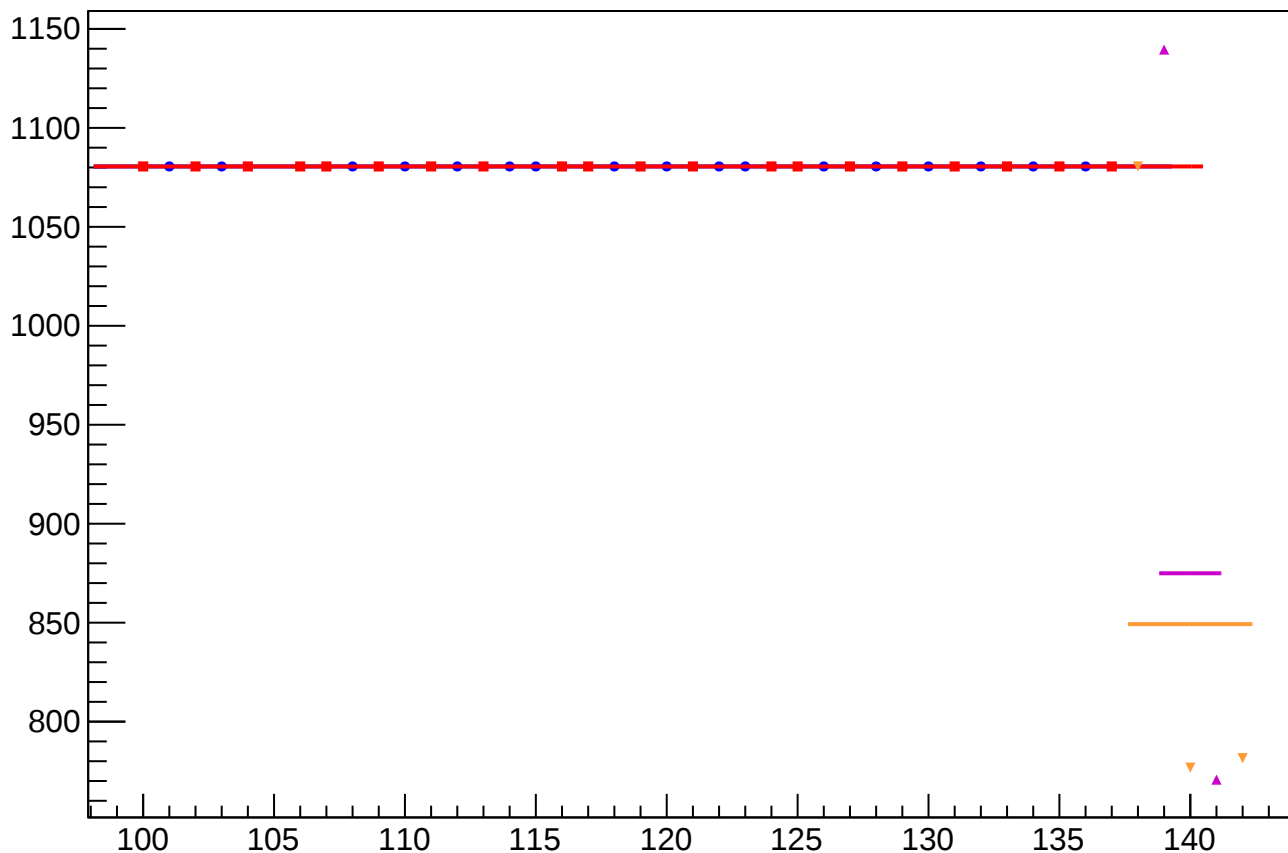
Right Out: -304.659+/-285.049 χ^2/NDF : 0.0/19

Left In: -753.559+/-713.363 χ^2/NDF : 1.8/1

-282.063+/-276.442 χ^2/NDF : 5.4/19

-366.465+/-264.699 χ^2/NDF : 2.1/21

asym_sam_3748_avg_correction_rms vs Slug



Right In: 1080.515+/-0.219 χ^2/NDF : 0.0/16

Left Out: 849.266+/-0.436 χ^2/NDF :85994.2/2

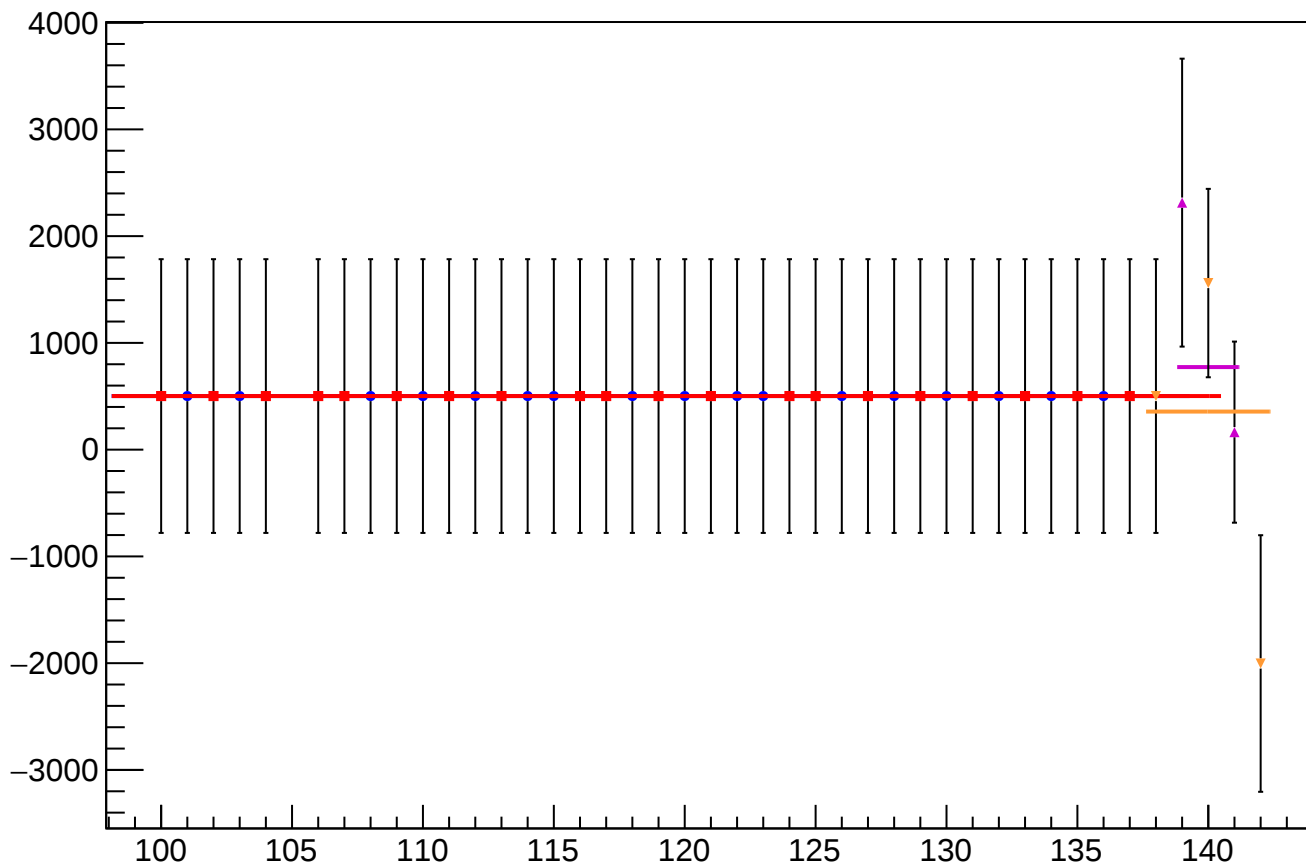
Right Out: 1080.515+/-0.202 χ^2/NDF : 0.0/19

Left In: 874.959+/-0.504 χ^2/NDF :108429.0/1

1034.137+/-0.195 χ^2/NDF : 310384.7/19

1052.213+/-0.187 χ^2/NDF : 251626.6/21

asym_sam_3748_avg_mean vs Slug



Right In: 502.043+/-310.943 χ^2/NDF : 0.0/16

Left Out: 356.730+/-621.952 χ^2/NDF : 5.7/2

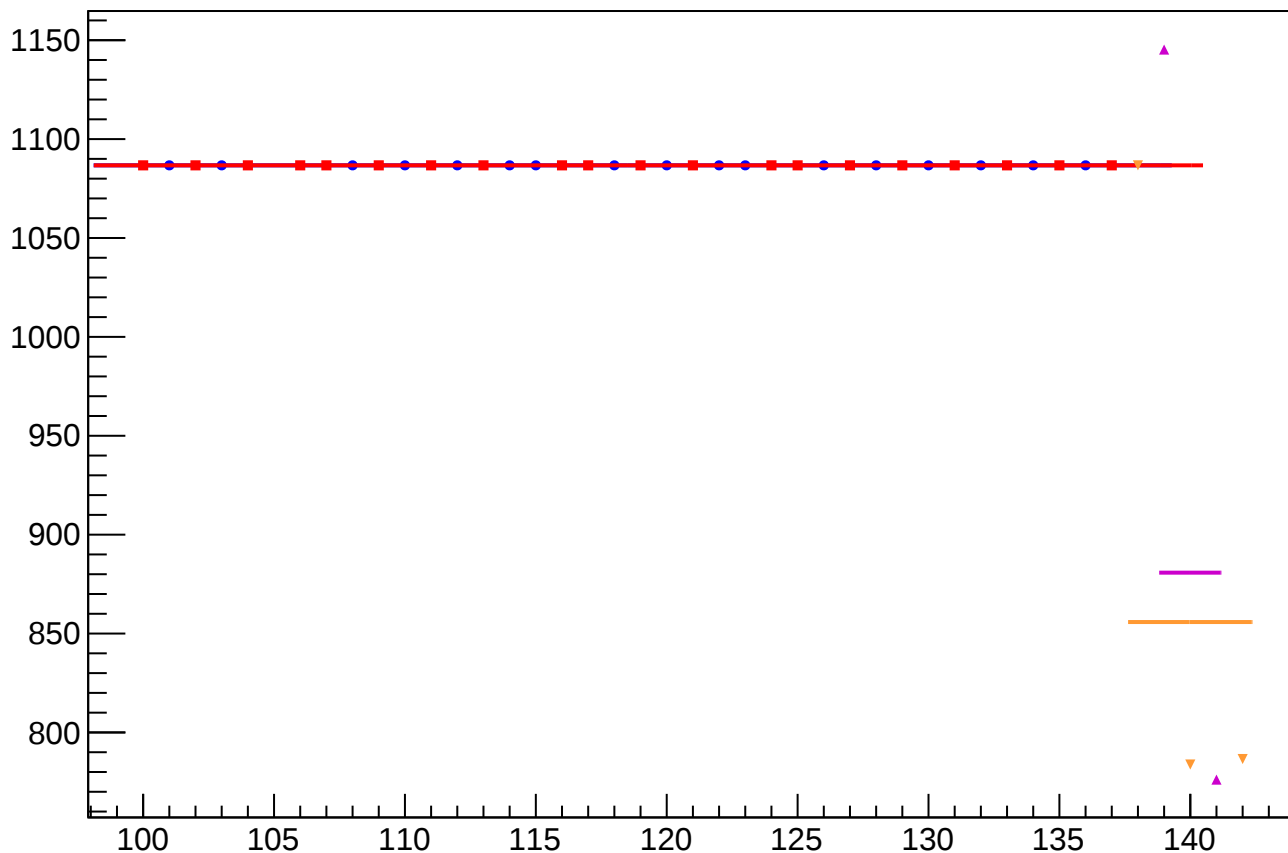
Right Out: 502.043+/-286.675 χ^2/NDF : 0.0/19

Left In: 773.429+/-717.974 χ^2/NDF : 1.8/1

472.986+/-278.122 χ^2/NDF : 5.8/19

539.360+/-266.237 χ^2/NDF : 1.9/21

asym_sam_3748_avg_rms vs Slug



Right In: 1086.731 $\pm$ 0.220 χ^2 /NDF: 0.0/16

Left Out: 855.827 $\pm$ 0.440 χ^2 /NDF: 84850.4/2

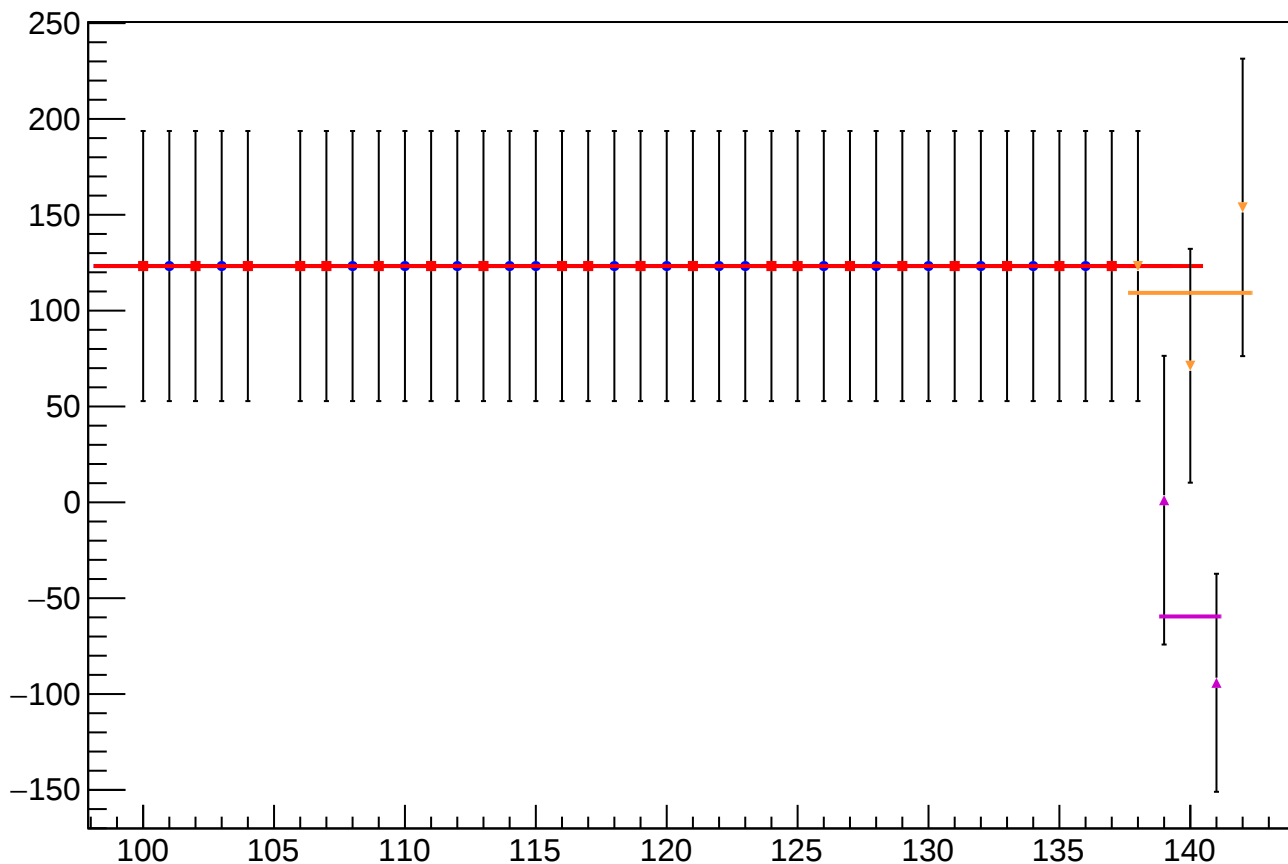
Right Out: 1086.731 $\pm$ 0.203 χ^2 /NDF: 0.0/19

Left In: 880.790 $\pm$ 0.508 χ^2 /NDF: 107373.1/1

1040.558 $\pm$ 0.197 χ^2 /NDF: 305390.6/19

1058.413 $\pm$ 0.188 χ^2 /NDF: 249296.0/21

reg_asym_sam_1526_avg_mean vs Slug



Right In: 123.260 $\pm$ 17.085 χ^2 /NDF: 0.0/16

Left Out: 109.275 $\pm$ 39.637 χ^2 /NDF:0.8/2

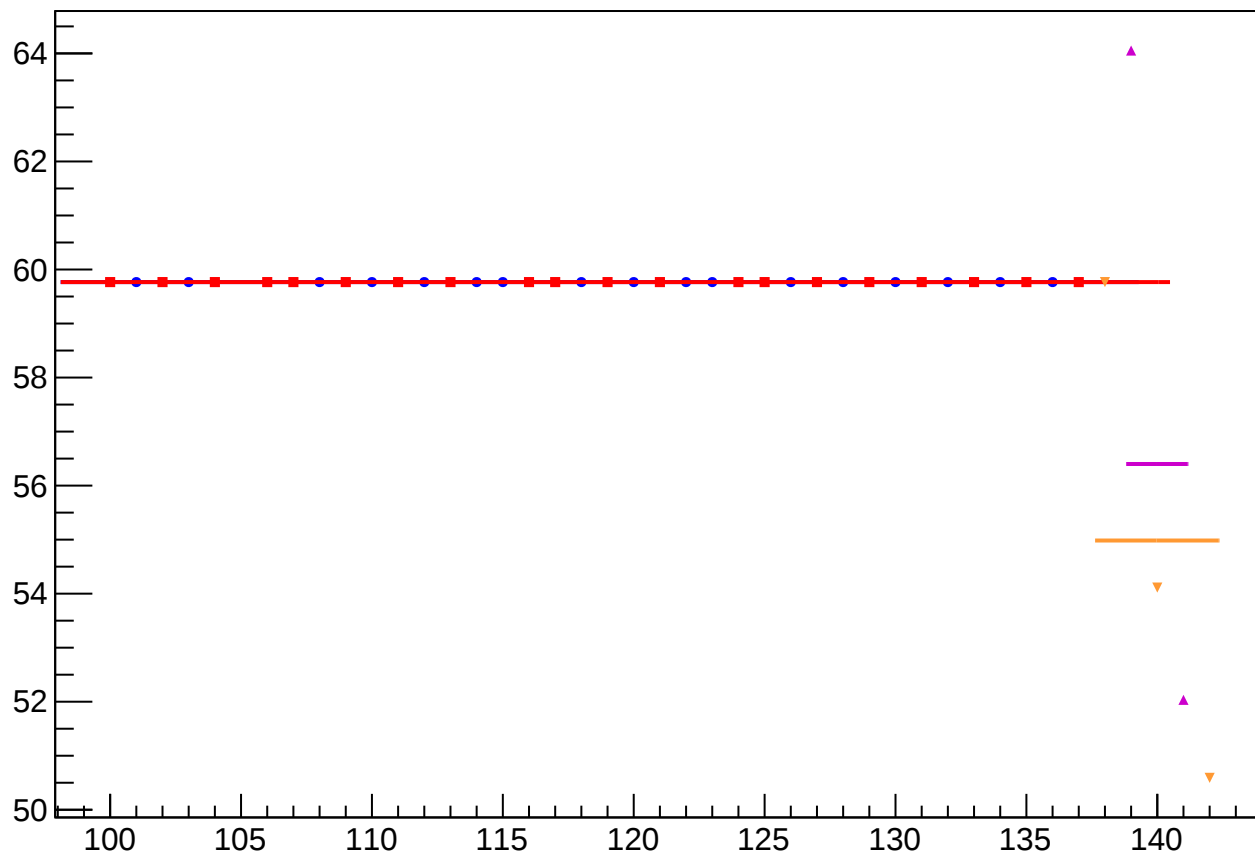
Right Out: 123.260 $\pm$ 15.751 χ^2 /NDF: 0.0/19

Left In: -59.528 $\pm$ 45.378 χ^2 /NDF:1.0/1

121.069 $\pm$ 15.689 χ^2 /NDF: 0.9/19

103.605 $\pm$ 14.880 χ^2 /NDF: 15.5/21

reg_asym_sam_1526_avg_rms vs Slug



Right In: 59.767 $\pm$ 0.012 χ^2 /NDF: 0.0/16

Left Out: 54.984 $\pm$ 0.028 χ^2 /NDF:16042.9/2

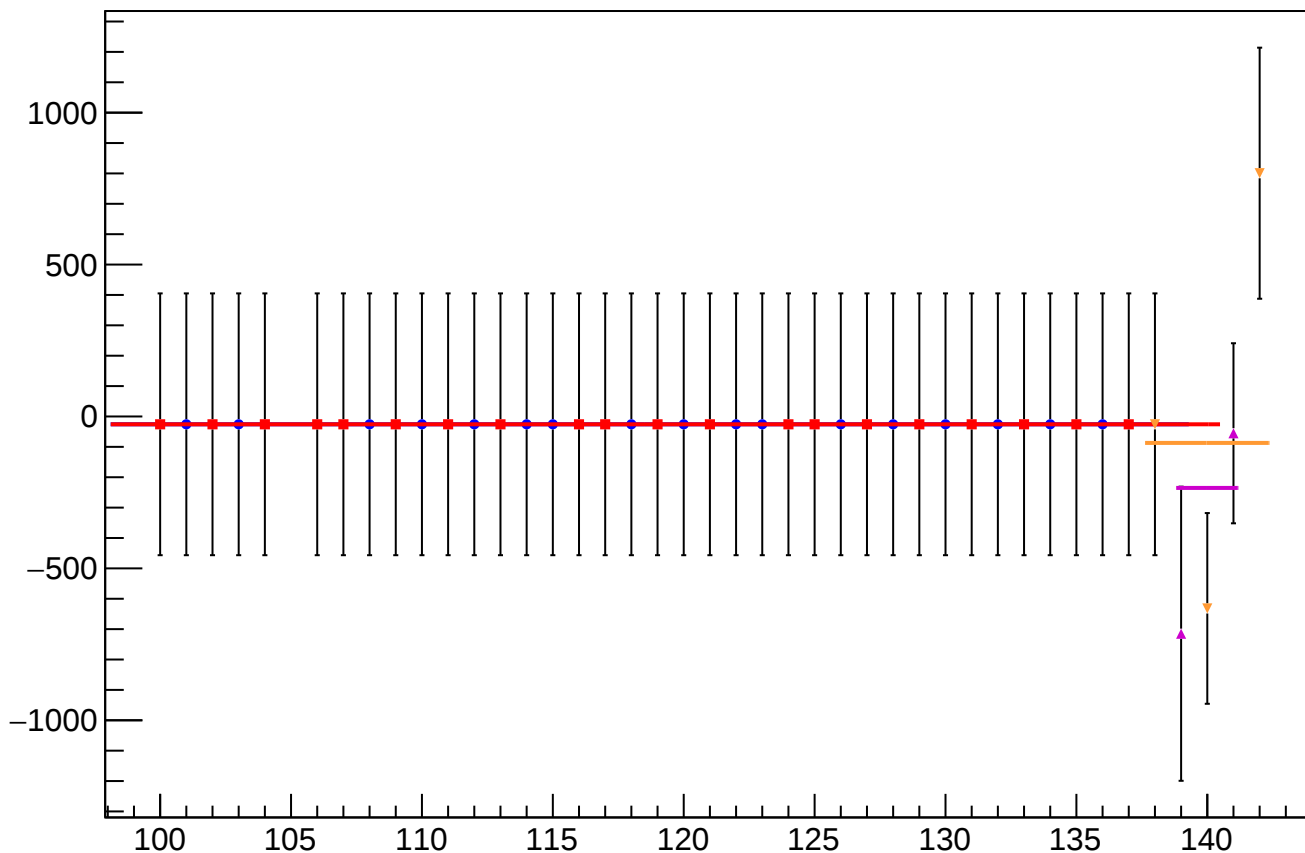
Right Out: 59.767 $\pm$ 0.011 χ^2 /NDF: 0.0/19

Left In: 56.400 $\pm$ 0.032 χ^2 /NDF:32448.1/1

59.018 $\pm$ 0.011 χ^2 /NDF: 40608.7/19

59.405 $\pm$ 0.011 χ^2 /NDF: 42276.5/21

asym_sam_1526_avg_correction_mean vs Slug



Right In: -25.761 ± 104.501 χ^2/NDF : 0.0/16

Left Out: -87.027 ± 216.206 χ^2/NDF : 7.6/2

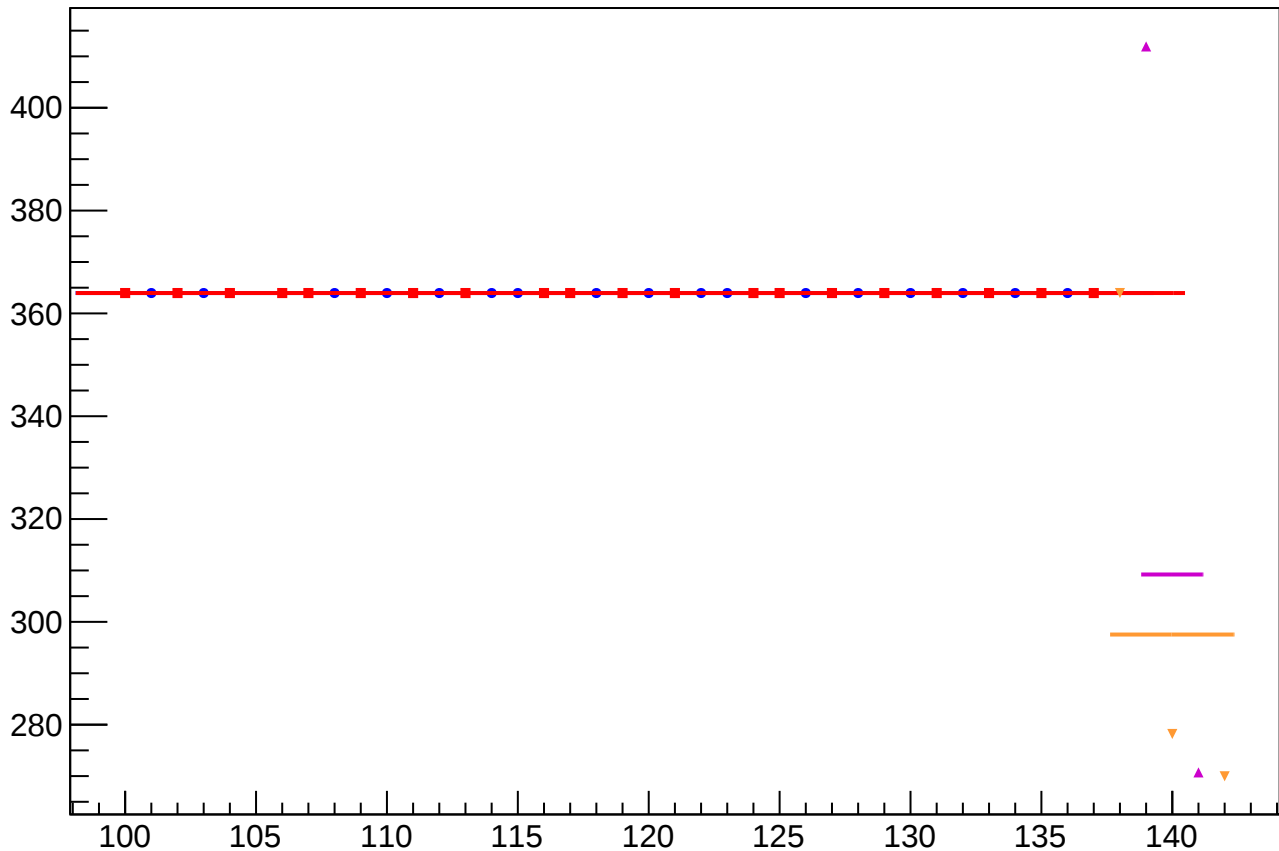
Right Out: -25.761 ± 96.345 χ^2/NDF : 0.0/19

Left In: -235.185 ± 252.757 χ^2/NDF : 1.4/1

-37.363 ± 94.087 χ^2/NDF : 7.7/19

-52.329 ± 90.026 χ^2/NDF : 2.0/21

asym_sam_1526_avg_correction_rms vs Slug



Right In: 363.962 $\pm$ 0.074 χ^2 /NDF: 0.0/16

Left Out: 297.534 $\pm$ 0.153 χ^2 /NDF:64039.8/2

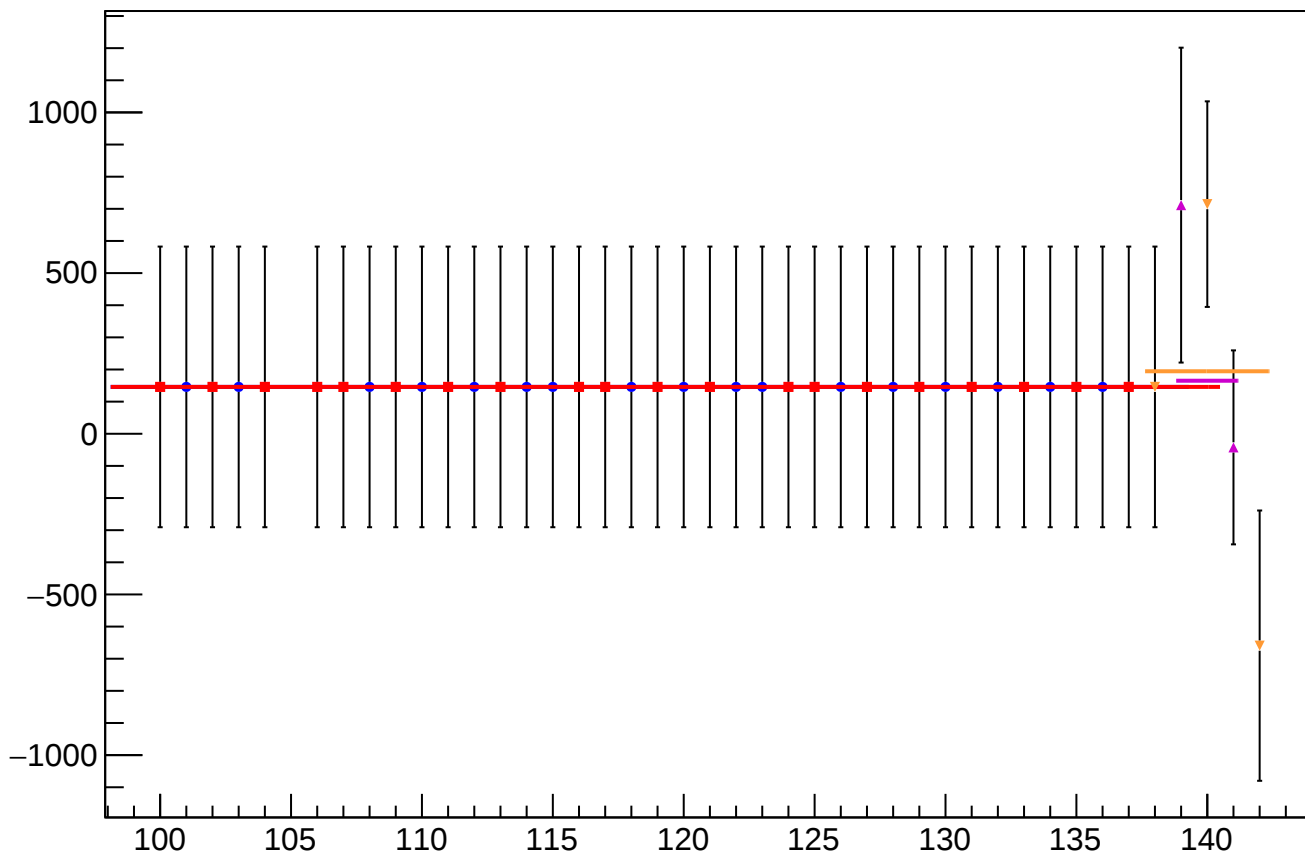
Right Out: 363.962 $\pm$ 0.068 χ^2 /NDF: 0.0/19

Left In: 309.215 $\pm$ 0.179 χ^2 /NDF:123788.1/1

351.383 $\pm$ 0.067 χ^2 /NDF: 217084.2/19

357.017 $\pm$ 0.064 χ^2 /NDF: 205716.9/21

asym_sam_1526_avg_mean vs Slug



Right In: 145.833 $\pm$ 105.907 χ^2 /NDF: 0.0/16

Left Out: 194.497 $\pm$ 219.942 χ^2 /NDF: 6.8/2

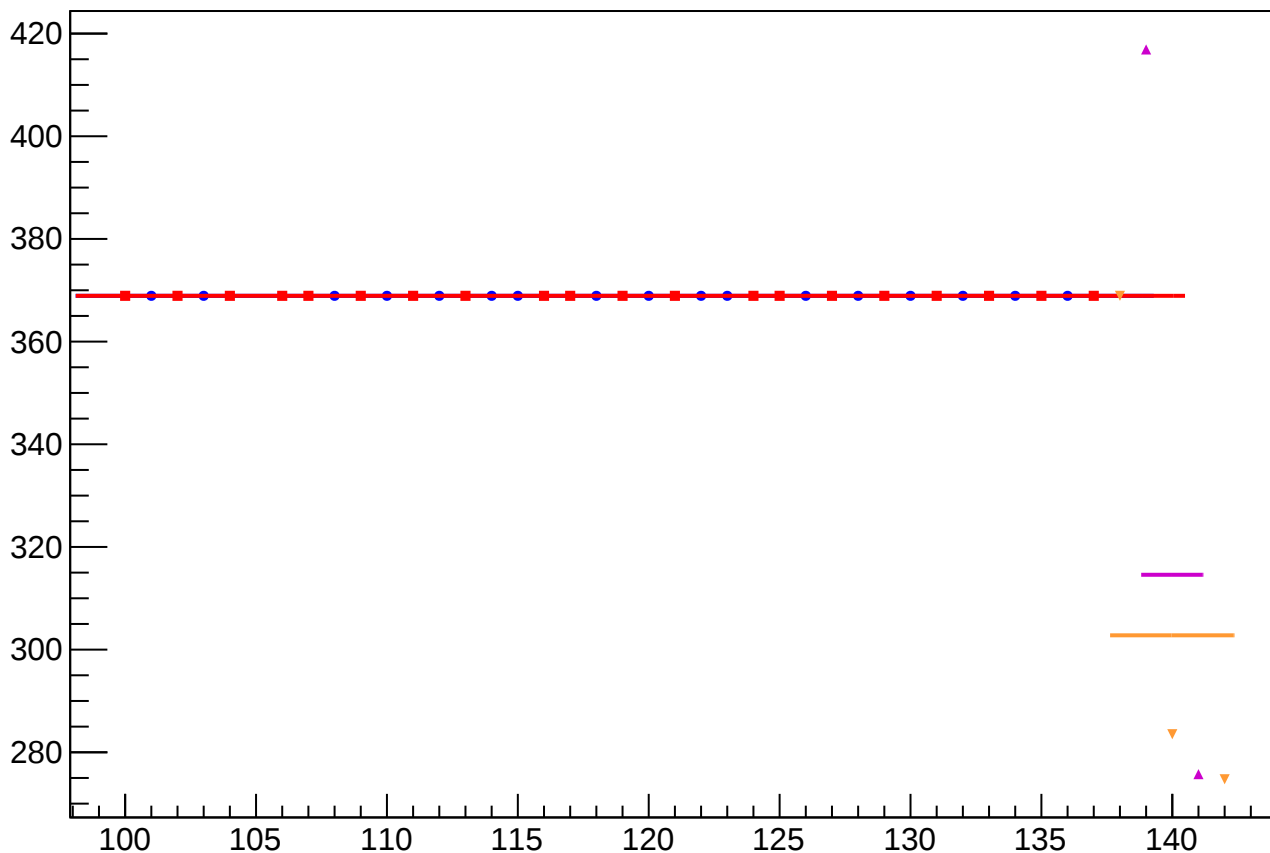
Right Out: 145.833 $\pm$ 97.641 χ^2 /NDF: 0.0/19

Left In: 165.054 $\pm$ 256.978 χ^2 /NDF: 1.7/1

154.992 $\pm$ 95.421 χ^2 /NDF: 6.8/19

148.258 $\pm$ 91.275 χ^2 /NDF: 1.7/21

asym_sam_1526_avg_rms vs Slug



Right In: 368.918+/-0.075 χ^2/NDF : 0.0/16

Left Out: 302.786+/-0.156 χ^2/NDF : 62018.9/2

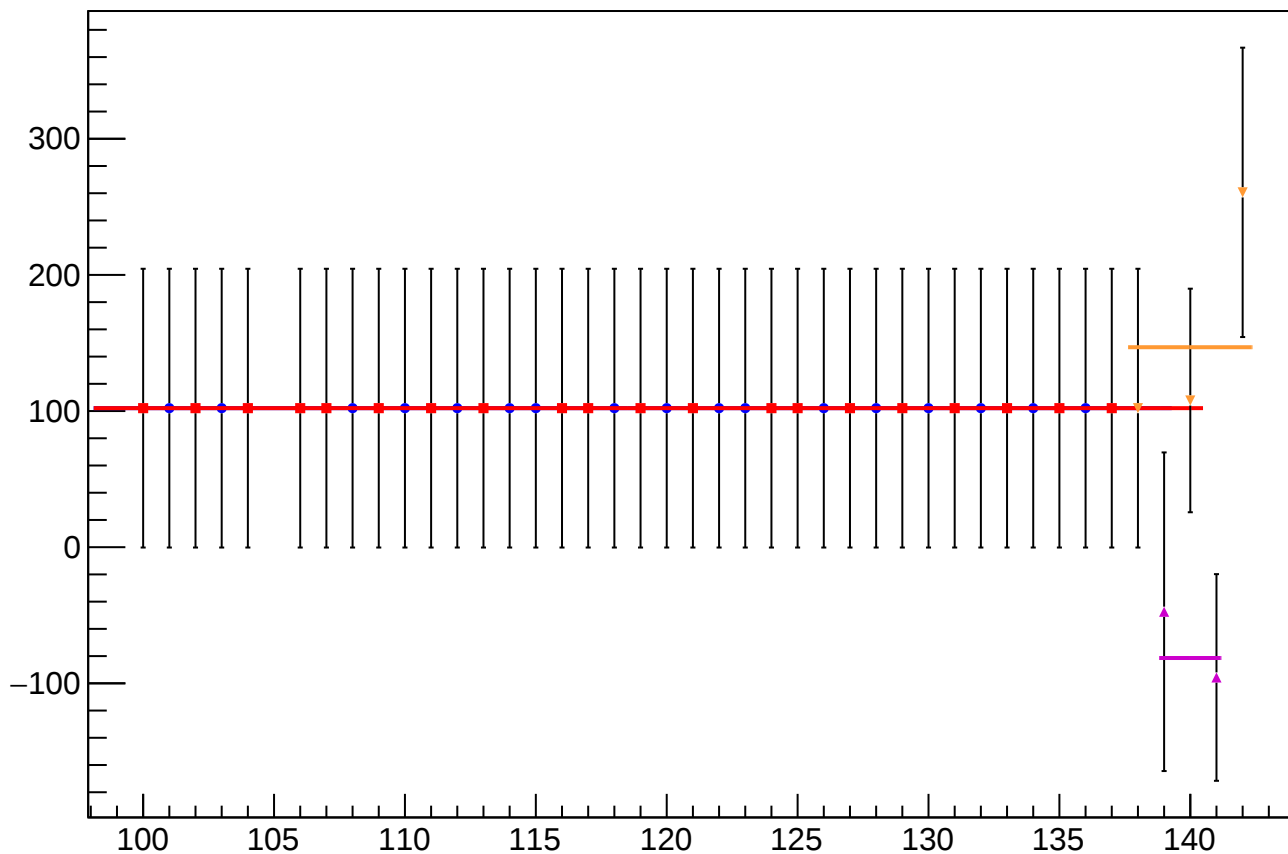
Right Out: 368.918+/-0.069 χ^2/NDF : 0.0/19

Left In: 314.579+/-0.182 χ^2/NDF : 120356.7/1

356.471+/-0.067 χ^2/NDF : 208801.0/19

362.063+/-0.065 χ^2/NDF : 198501.6/21

reg_asym_sam_3726_avg_mean vs Slug



Right In: 102.129 $\pm$ 24.831 χ^2 /NDF: 0.0/16

Left Out: 146.882 $\pm$ 54.861 χ^2 /NDF:1.6/2

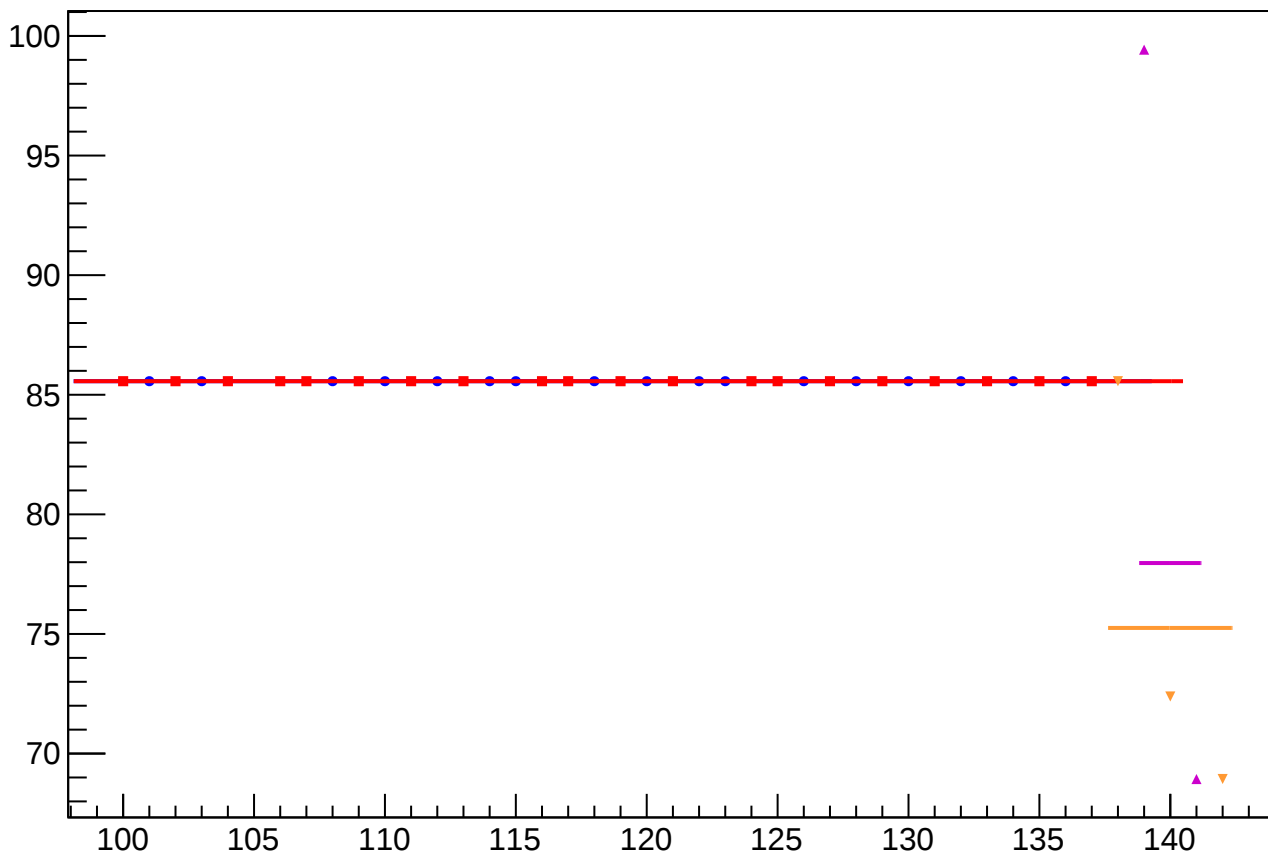
Right Out: 102.129 $\pm$ 22.893 χ^2 /NDF: 0.0/19

Left In: -81.398 $\pm$ 63.679 χ^2 /NDF:0.1/1

109.738 $\pm$ 22.621 χ^2 /NDF: 2.1/19

81.125 $\pm$ 21.543 χ^2 /NDF: 7.5/21

reg_asym_sam_3726_avg_rms vs Slug



Right In: 85.567+/-0.018 χ^2/NDF : 0.0/16

Left Out: 75.252+/-0.039 χ^2/NDF : 29799.7/2

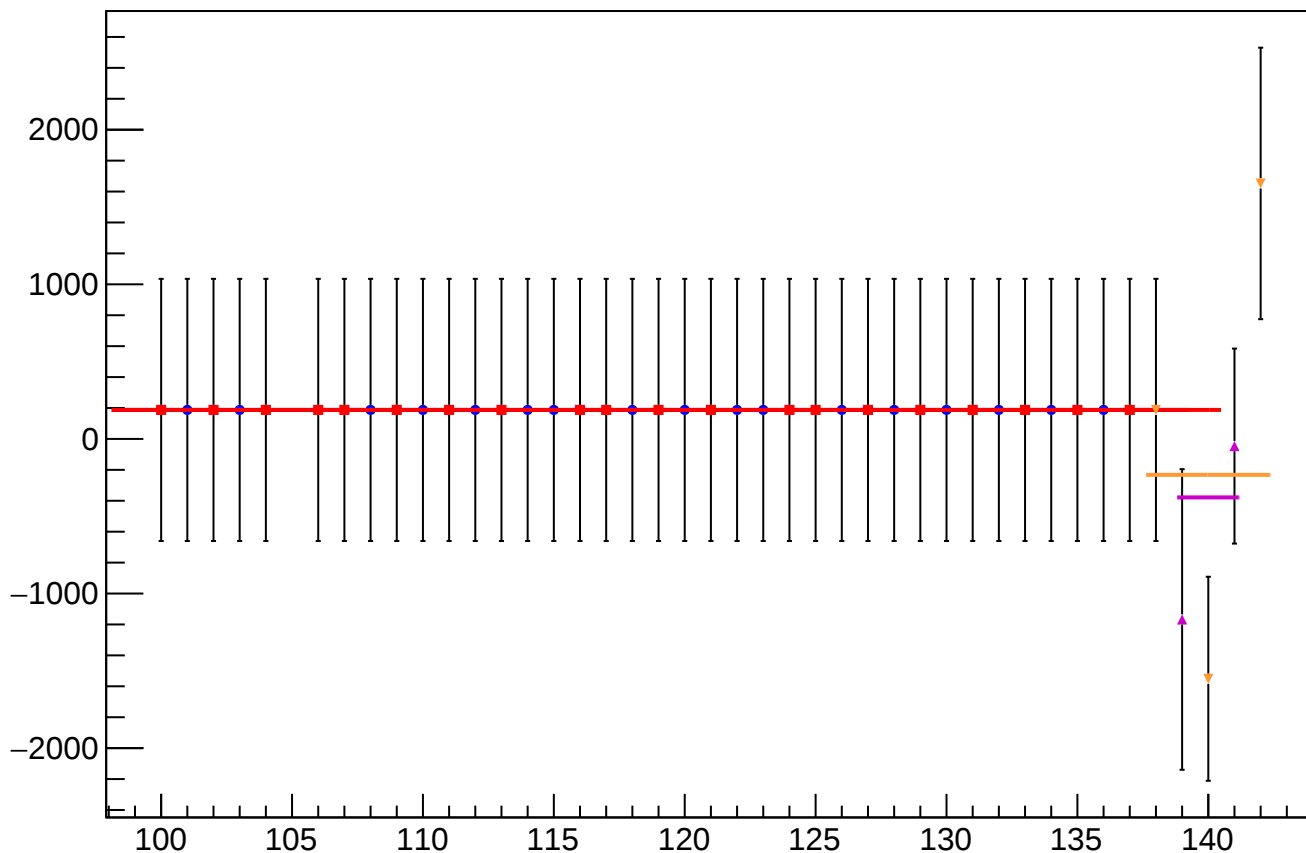
Right Out: 85.567+/-0.016 χ^2/NDF : 0.0/19

Left In: 77.965+/-0.045 χ^2/NDF : 95585.5/1

83.813+/-0.016 χ^2/NDF : 88480.5/19

84.697+/-0.015 χ^2/NDF : 120826.8/21

asym_sam_3726_avg_correction_mean vs Slug



Right In: 187.636 $\pm$ 205.631 χ^2 /NDF: 0.0/16

Left Out: -232.384 $\pm$ 447.898 χ^2 /NDF: 8.8/2

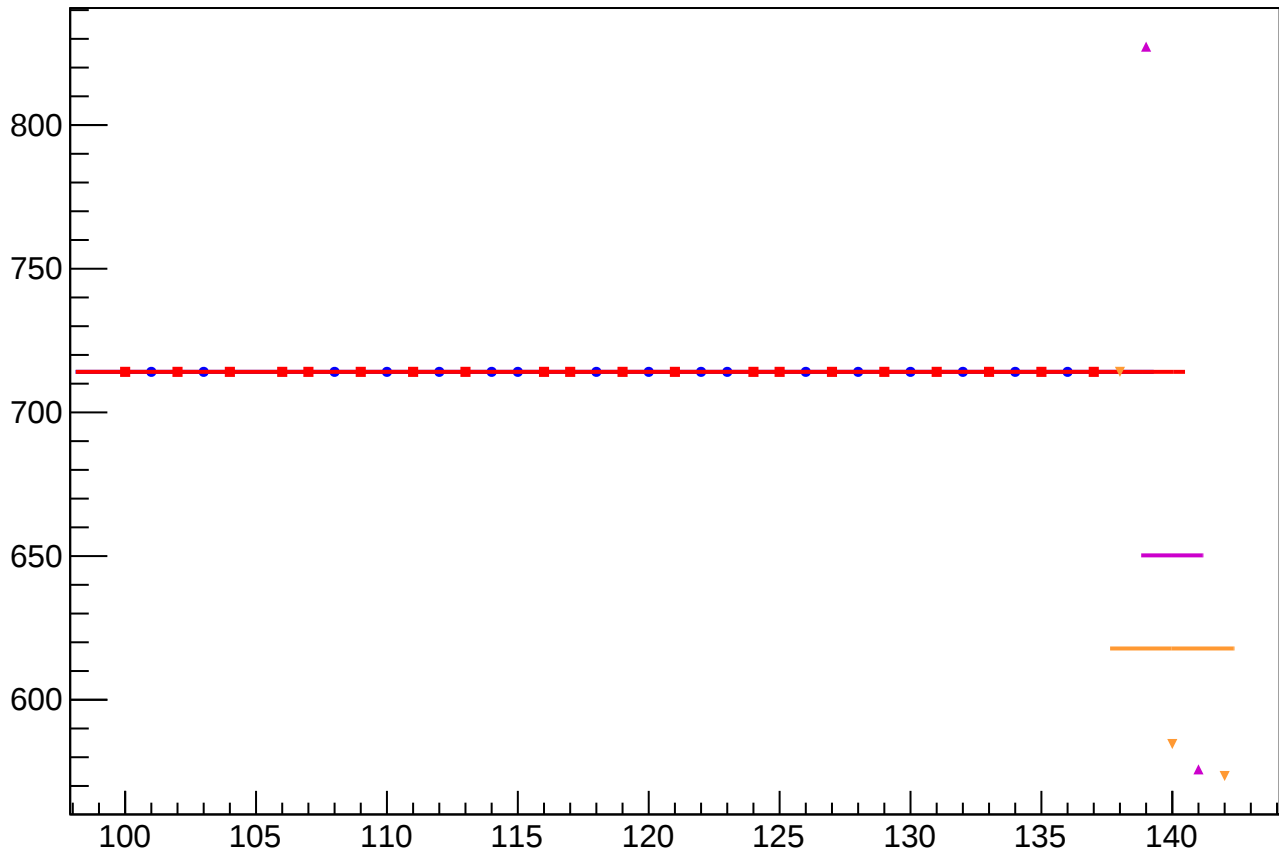
Right Out: 187.636 $\pm$ 189.582 χ^2 /NDF: 0.0/19

Left In: -378.330 $\pm$ 529.028 χ^2 /NDF: 0.9/1

114.518 $\pm$ 186.877 χ^2 /NDF: 9.6/19

123.225 $\pm$ 178.469 χ^2 /NDF: 2.0/21

asym_sam_3726_avg_correction_rms vs Slug



Right In: 714.113+/-0.145 χ^2/NDF : 0.0/16

Left Out: 617.844+/-0.317 χ^2/NDF : 35972.5/2

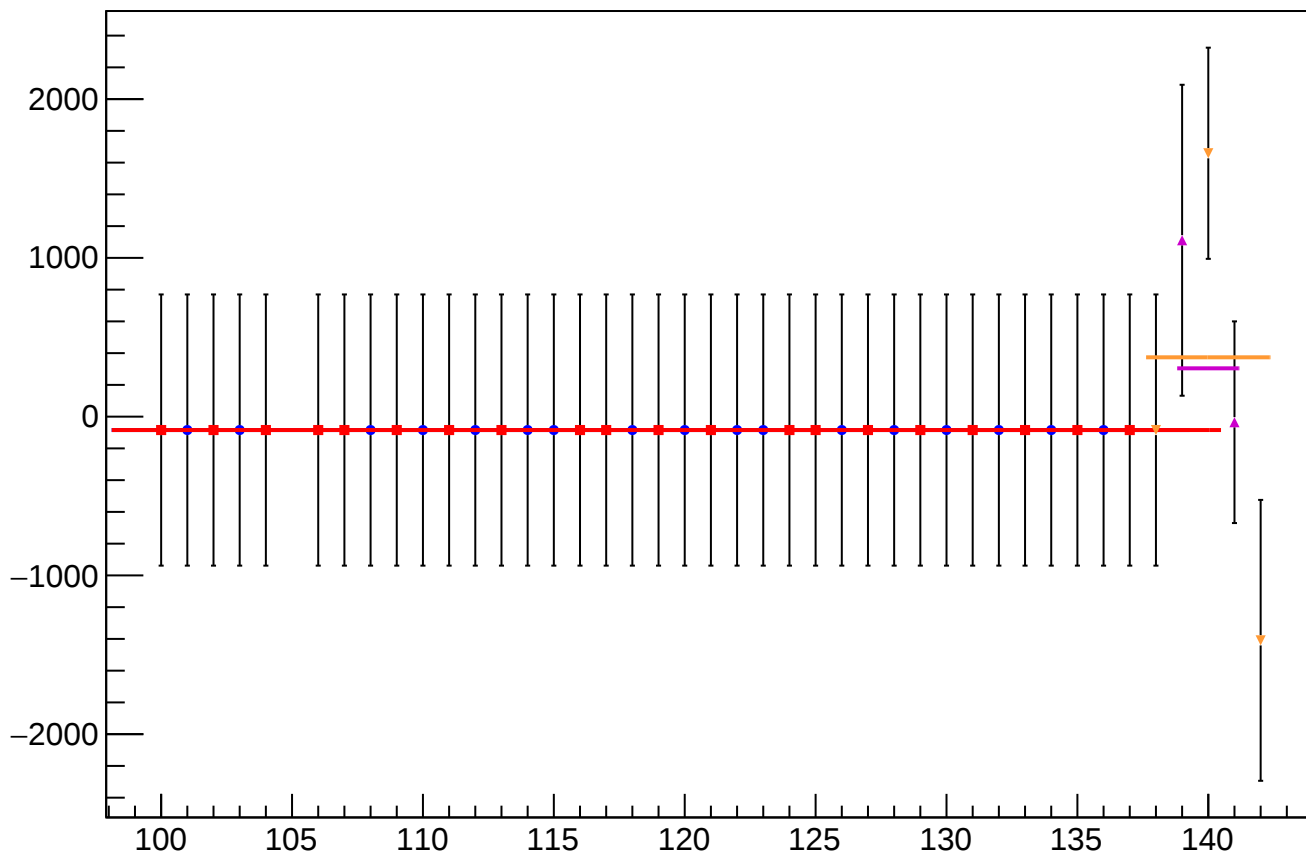
Right Out: 714.113+/-0.134 χ^2/NDF : 0.0/19

Left In: 650.247+/-0.374 χ^2/NDF : 94210.7/1

697.354+/-0.132 χ^2/NDF : 112281.0/19

706.844+/-0.126 χ^2/NDF : 120041.2/21

asym_sam_3726_avg_mean vs Slug



Right In: -84.386+/-207.148 χ^2/NDF : 0.0/16

Left Out: 373.686+/-451.313 χ^2/NDF : 8.1/2

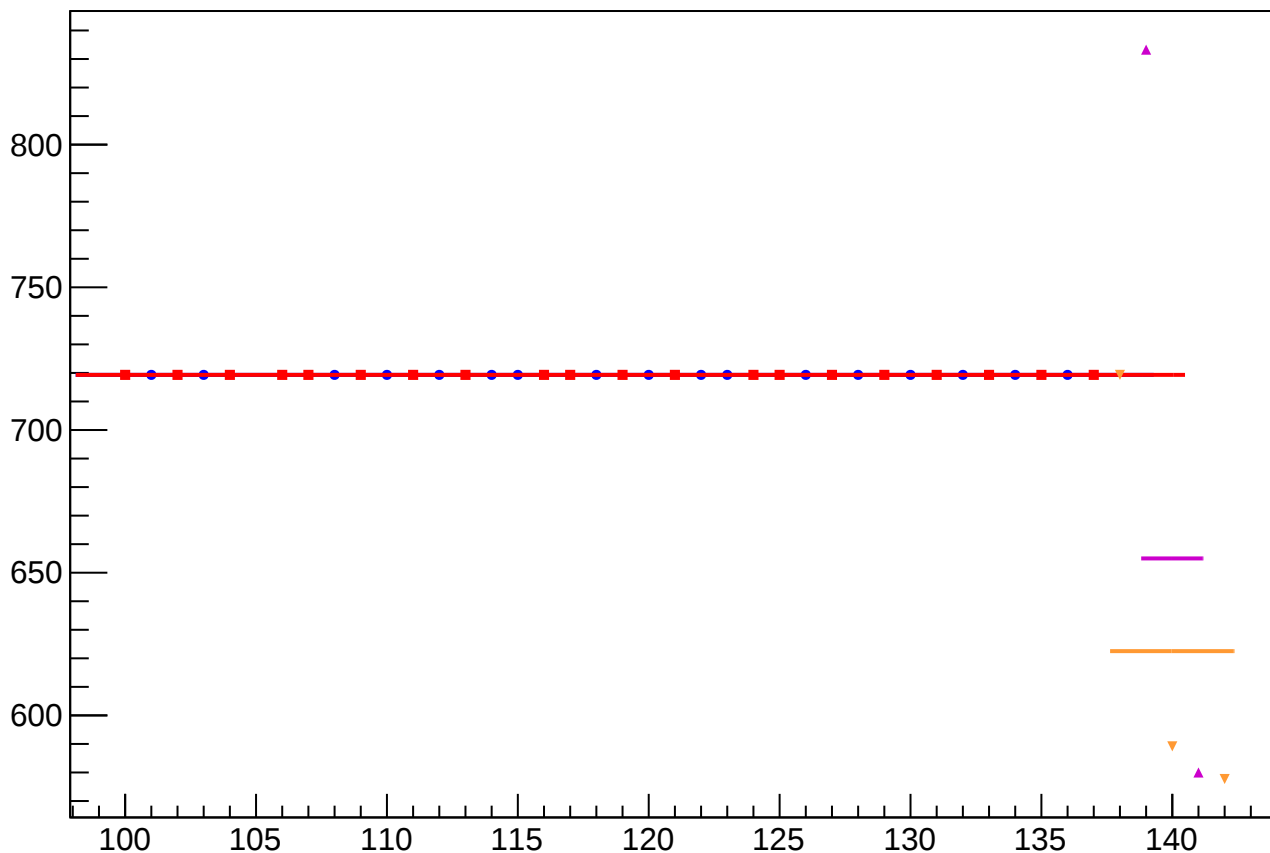
Right Out: -84.386+/-190.981 χ^2/NDF : 0.0/19

Left In: 304.294+/-532.908 χ^2/NDF : 1.0/1

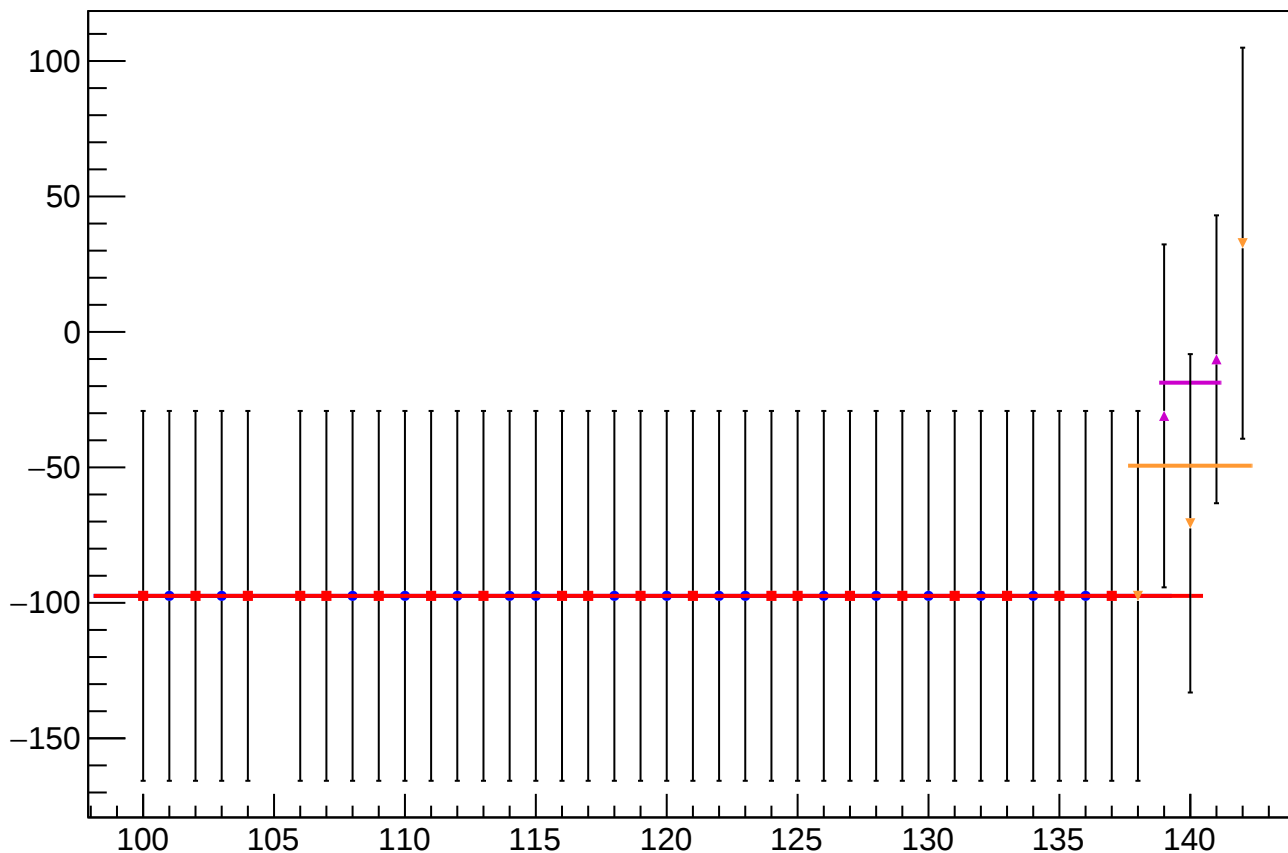
-4.676+/-188.265 χ^2/NDF : 8.9/19

-40.148+/-179.785 χ^2/NDF : 1.4/21

asym_sam_3726_avg_rms vs Slug



reg_asym_sam_15_48_dd_mean vs Slug



Right In: -97.426 $\pm$ 16.555 χ^2 /NDF: 0.0/16

Left Out: -49.377 $\pm$ 38.836 χ^2 /NDF:1.9/2

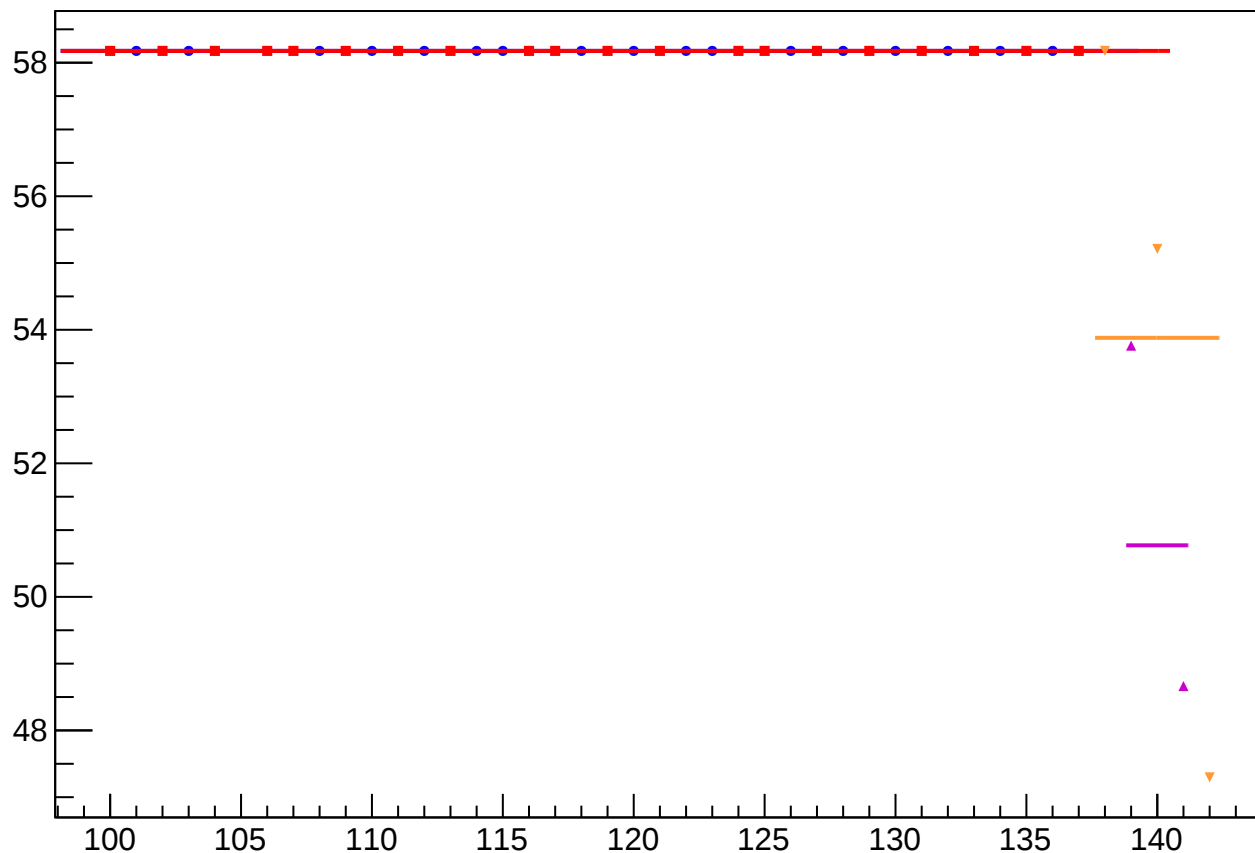
Right Out: -97.426 $\pm$ 15.263 χ^2 /NDF: 0.0/19

Left In: -18.734 $\pm$ 40.694 χ^2 /NDF:0.1/1

-90.038 $\pm$ 15.229 χ^2 /NDF: 3.2/19

-87.722 $\pm$ 14.291 χ^2 /NDF: 3.3/21

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 58.177+/-0.012 χ^2/NDF : 0.0/16

Left Out: 53.880+/-0.027 χ^2/NDF :25476.5/2

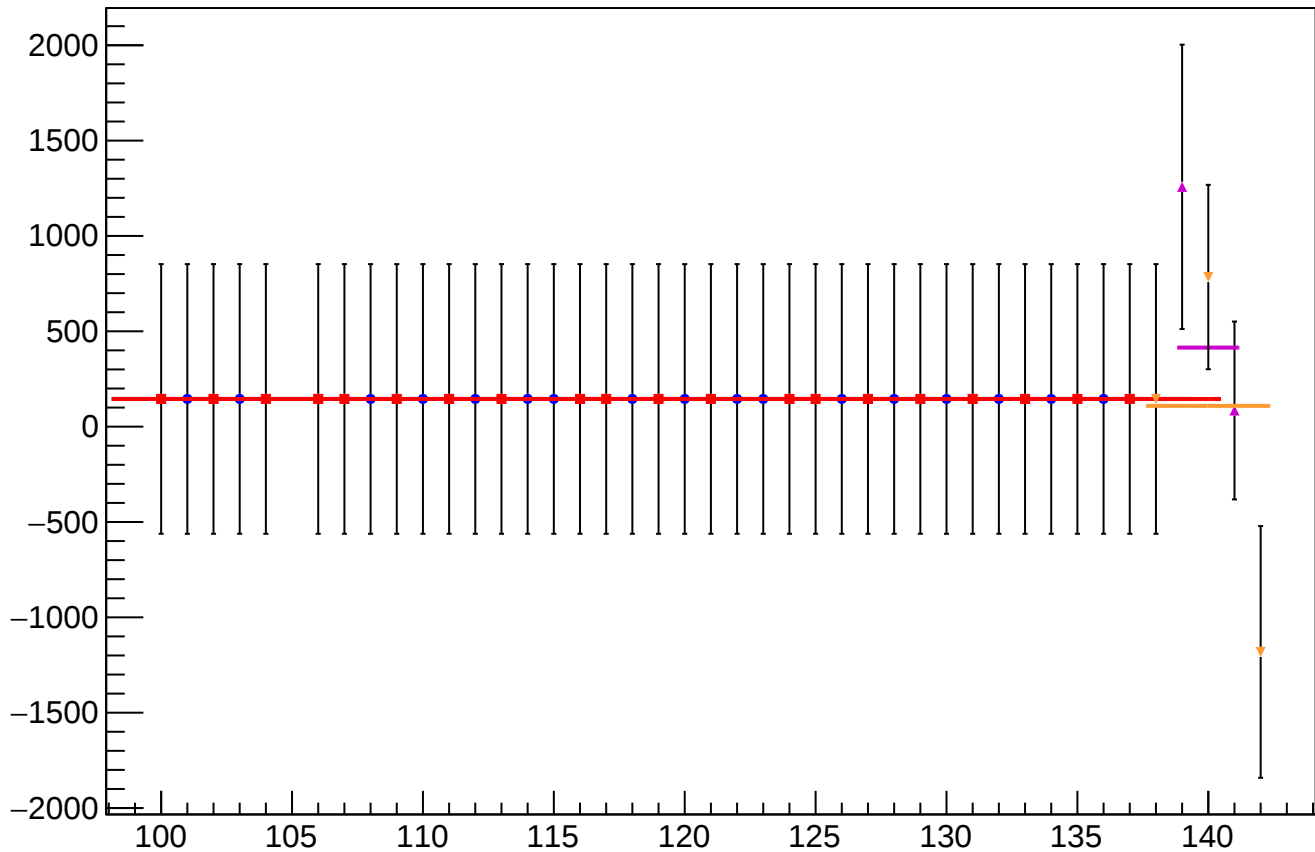
Right Out: 58.177+/-0.011 χ^2/NDF : 0.0/19

Left In: 50.772+/-0.029 χ^2/NDF :7612.0/1

57.516+/-0.011 χ^2/NDF : 46198.9/19

57.264+/-0.010 χ^2/NDF : 65669.8/21

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 145.219+/-171.503 χ^2/NDF : 0.0/16

Left Out: 108.948+/-341.565 χ^2/NDF : 5.8/2

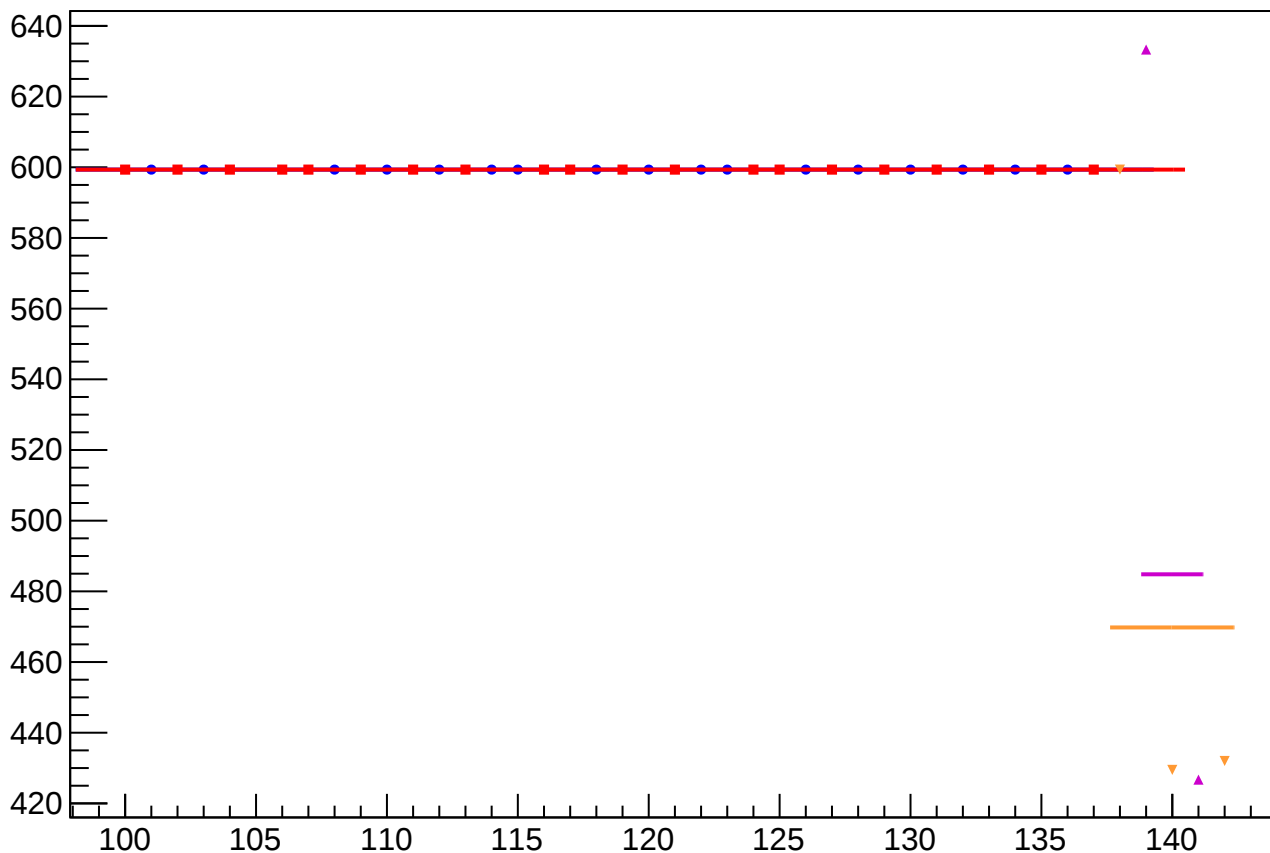
Right Out: 145.219+/-158.118 χ^2/NDF : 0.0/19

Left In: 414.522+/-395.416 χ^2/NDF : 1.8/1

137.916+/-153.268 χ^2/NDF : 5.8/19

182.345+/-146.815 χ^2/NDF : 2.2/21

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 599.340 $\pm$ 0.121 χ^2 /NDF: 0.0/16

Left Out: 469.786 $\pm$ 0.242 χ^2 /NDF: 87581.6/2

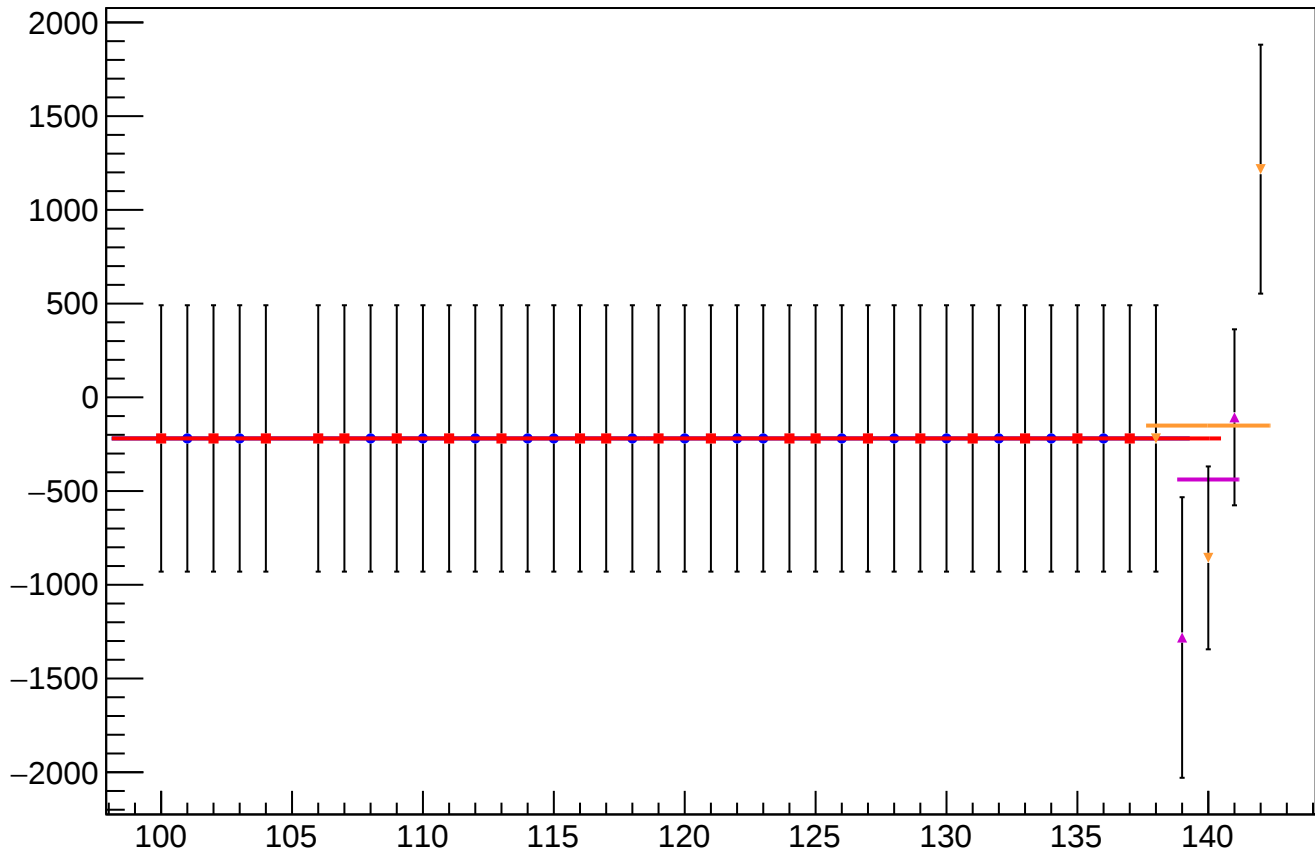
Right Out: 599.340 $\pm$ 0.112 χ^2 /NDF: 0.0/19

Left In: 484.823 $\pm$ 0.280 χ^2 /NDF: 110358.1/1

573.254 $\pm$ 0.108 χ^2 /NDF: 317374.4/19

583.553 $\pm$ 0.104 χ^2 /NDF: 254980.8/21

asym_sam_15_48_dd_mean vs Slug



Right In: -219.315+/-172.344 χ^2 /NDF: 0.0/16

Left Out: -150.691+/-343.995 χ^2 /NDF: 6.3/2

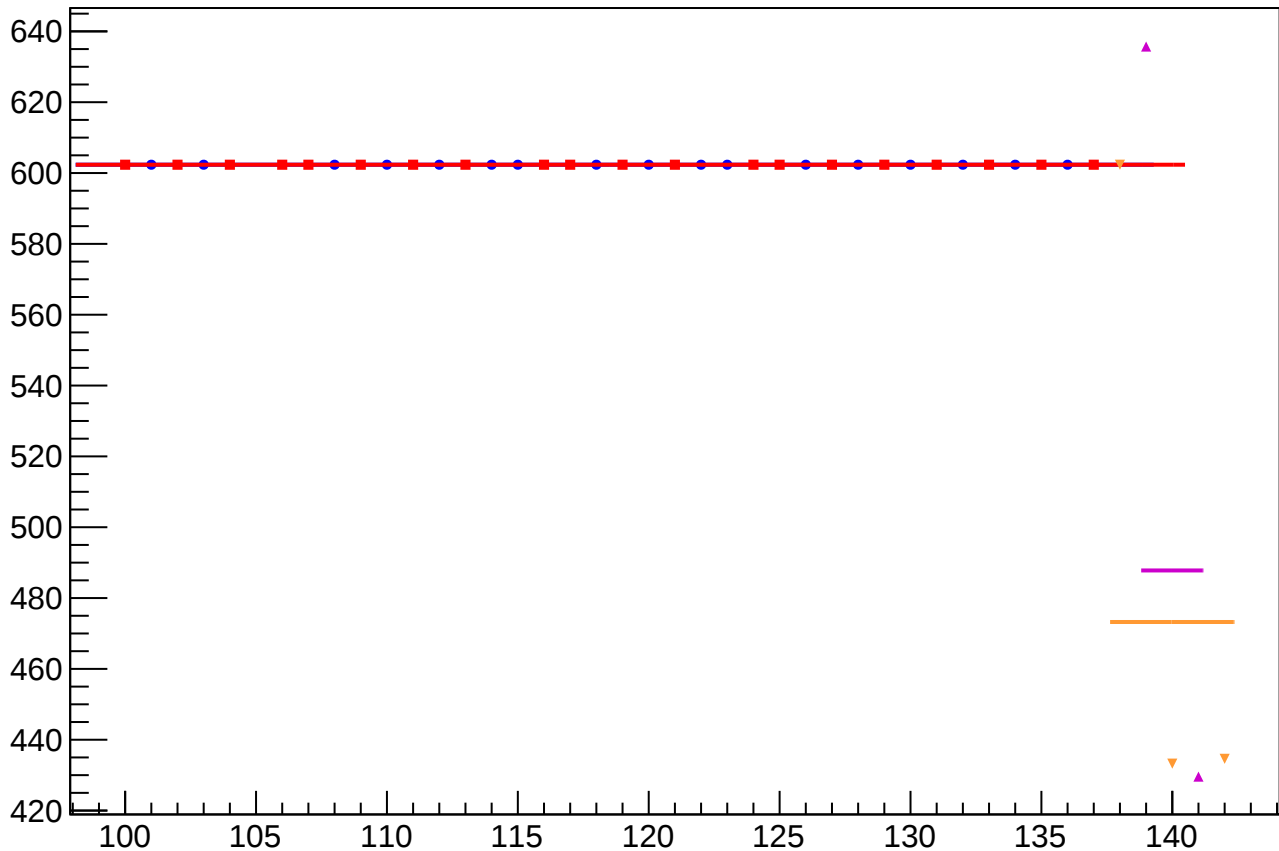
Right Out: -219.315+/-158.893 χ^2 /NDF: 0.0/19

Left In: -438.353+/-397.722 χ^2 /NDF: 1.8/1

-205.546+/-154.087 χ^2 /NDF: 6.4/19

-249.463+/-147.554 χ^2 /NDF: 2.0/21

asym_sam_15_48_dd_rms vs Slug



Right In: 602.349+/-0.122 χ^2/NDF : 0.0/16

Left Out: 473.243+/-0.243 χ^2/NDF : 86233.6/2

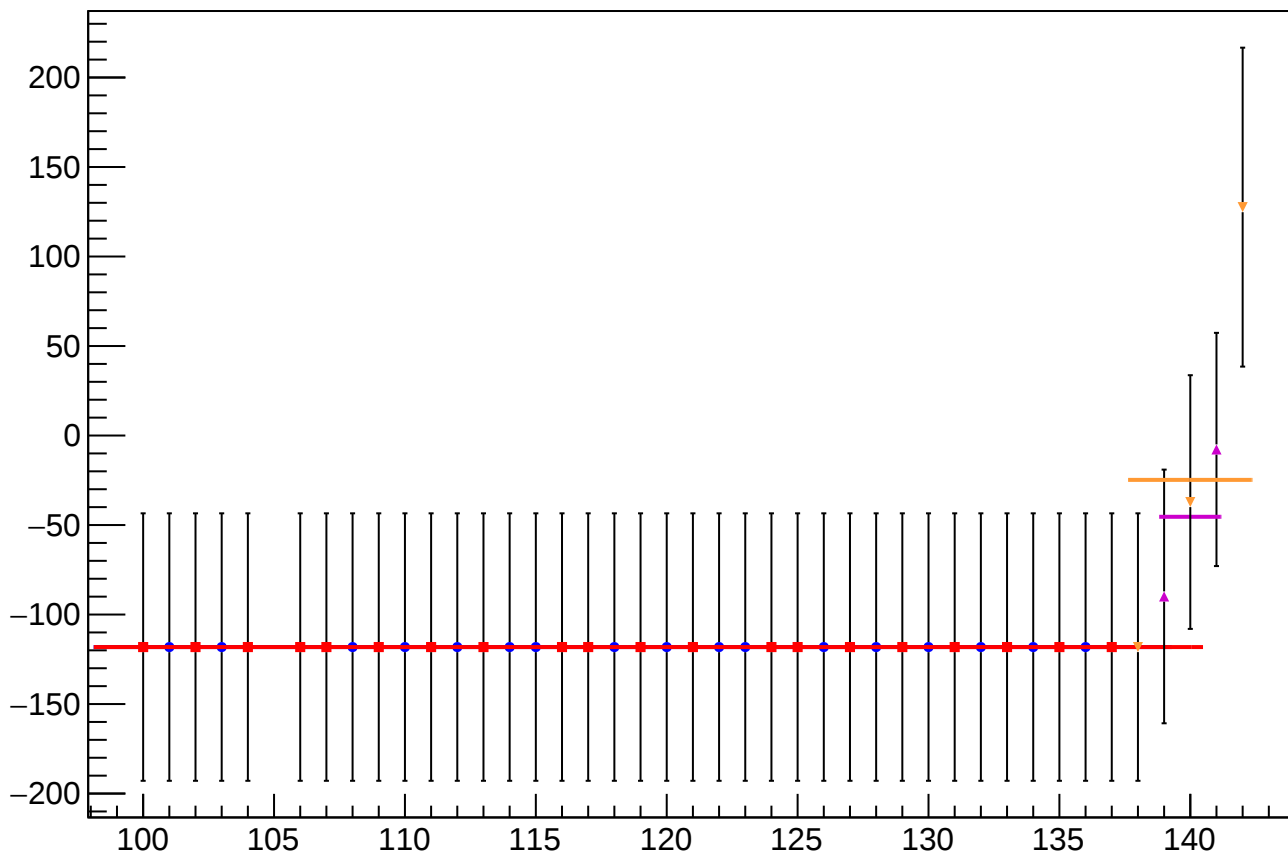
Right Out: 602.349+/-0.112 χ^2/NDF : 0.0/19

Left In: 487.795+/-0.281 χ^2/NDF : 108867.0/1

576.444+/-0.109 χ^2/NDF : 311427.2/19

586.581+/-0.104 χ^2/NDF : 251947.2/21

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -118.166+/-18.119 χ^2/NDF : 0.0/16

Left Out: -24.776+/-44.528 χ^2/NDF : 4.5/2

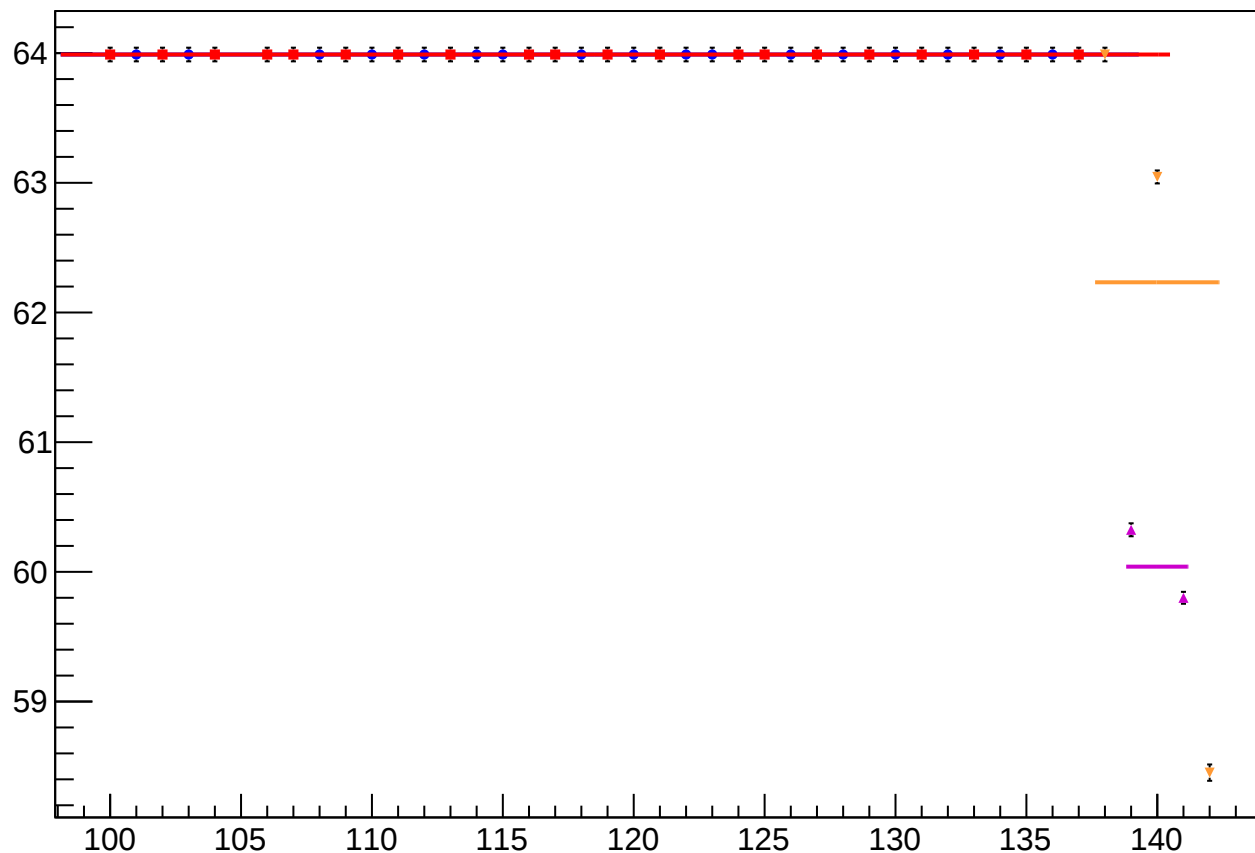
Right Out: -118.166+/-16.705 χ^2/NDF : 0.0/19

Left In: -45.395+/-47.954 χ^2/NDF : 0.7/1

-104.899+/-16.783 χ^2/NDF : 8.3/19

-110.291+/-15.775 χ^2/NDF : 2.8/21

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.989 $\pm$ 0.013 χ^2 /NDF: 0.0/16

Left Out: 62.233 $\pm$ 0.031 χ^2 /NDF:4971.8/2

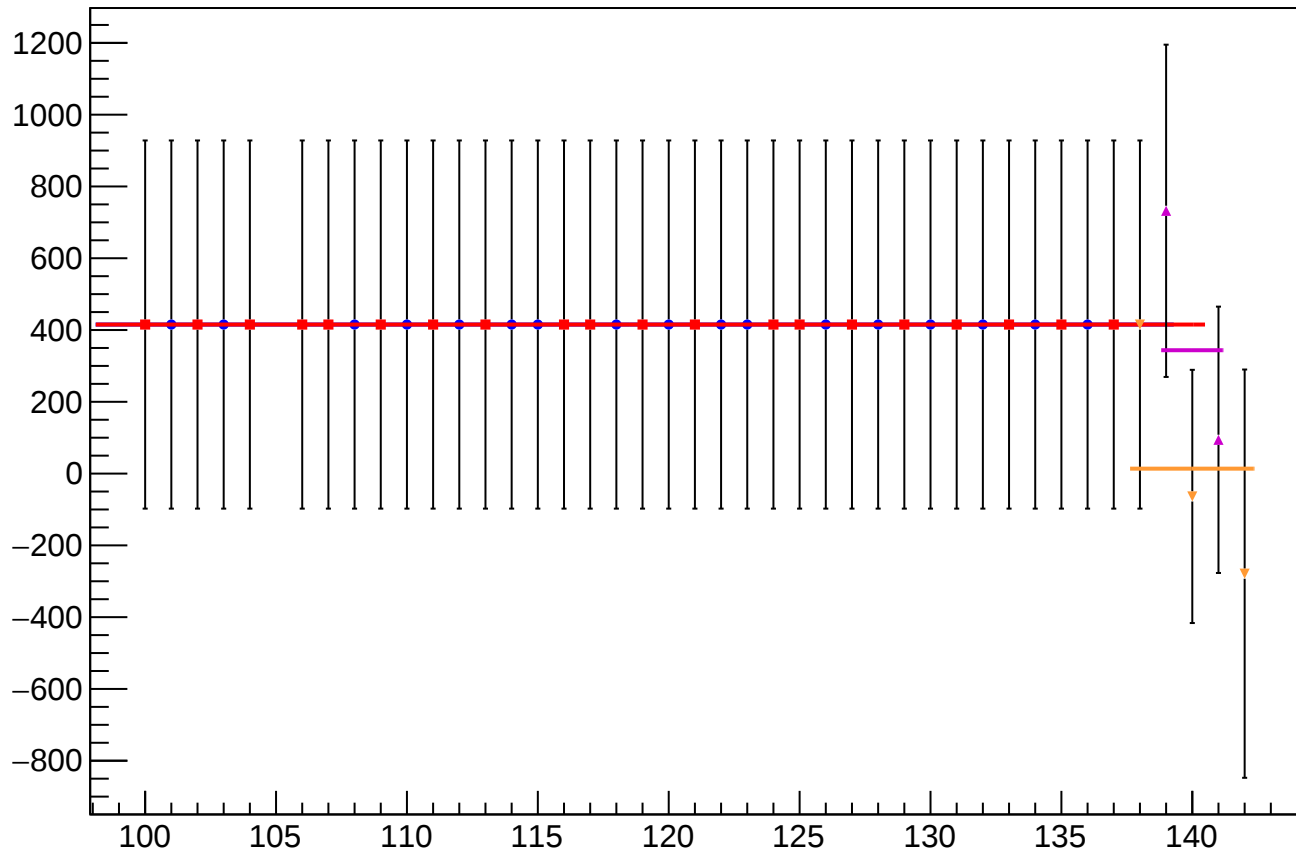
Right Out: 63.989 $\pm$ 0.012 χ^2 /NDF: 0.0/19

Left In: 60.040 $\pm$ 0.034 χ^2 /NDF:59.4/1

63.740 $\pm$ 0.012 χ^2 /NDF: 7641.5/19

63.562 $\pm$ 0.011 χ^2 /NDF: 12155.8/21

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 415.260 $\pm$ 124.389 χ^2/NDF : 0.0/16

Left Out: 13.750 $\pm$ 258.799 χ^2/NDF : 0.9/2

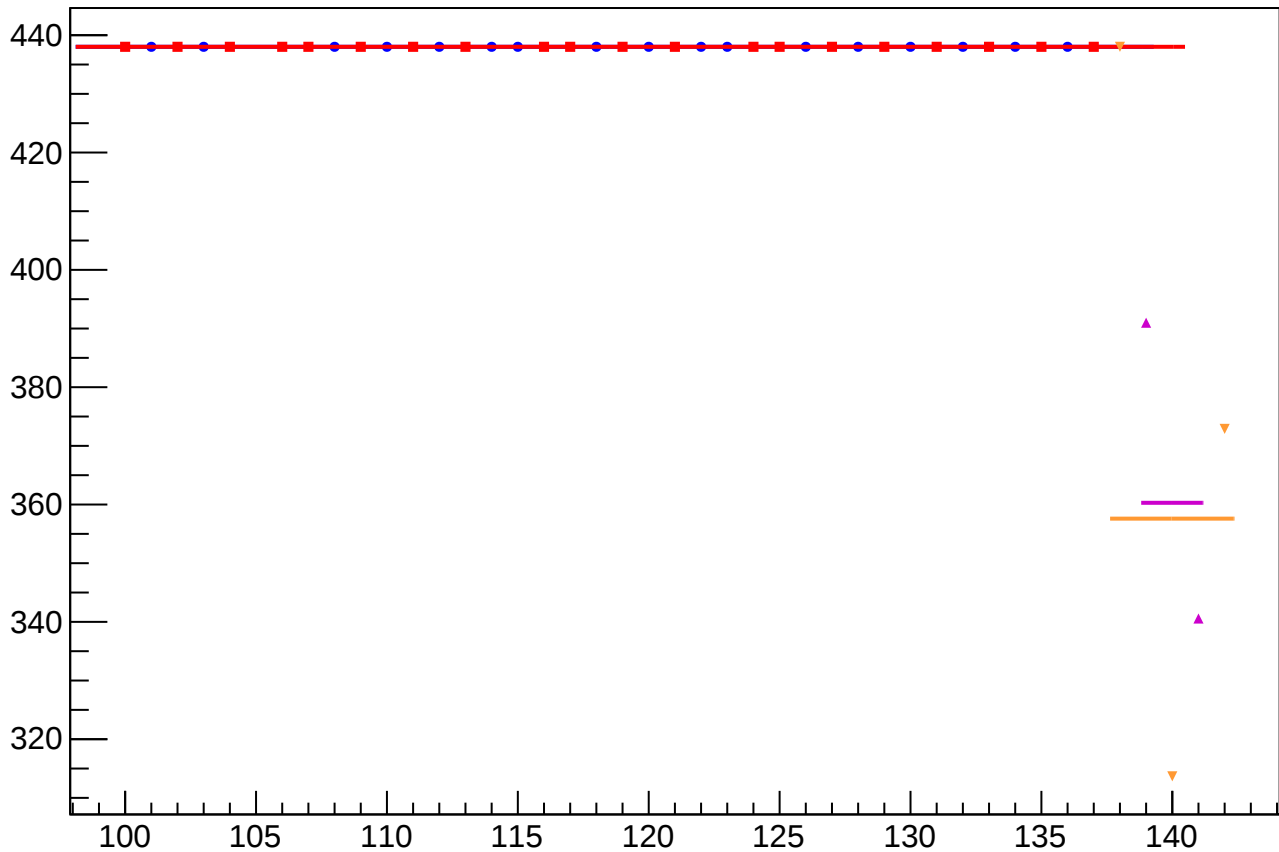
Right Out: 415.260 $\pm$ 114.681 χ^2/NDF : 0.0/19

Left In: 343.714 $\pm$ 289.511 χ^2/NDF : 1.2/1

339.912 $\pm$ 112.112 χ^2/NDF : 2.9/19

405.557 $\pm$ 106.621 χ^2/NDF : 1.2/21

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 438.022 $\pm$ 0.088 χ^2 /NDF: 0.0/16

Left Out: 357.596 $\pm$ 0.183 χ^2 /NDF:81644.9/2

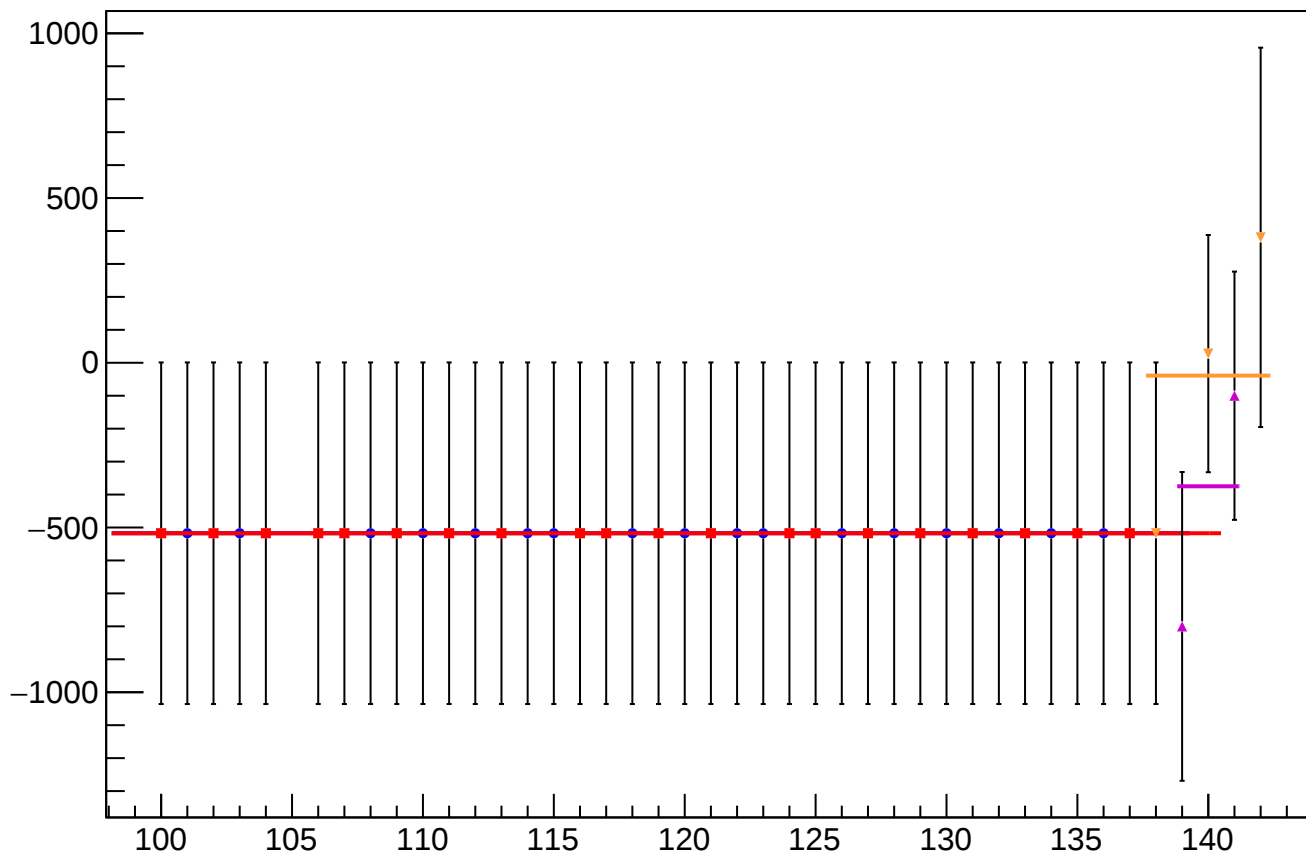
Right Out: 438.022 $\pm$ 0.081 χ^2 /NDF: 0.0/19

Left In: 360.295 $\pm$ 0.205 χ^2 /NDF:14445.9/1

422.929 $\pm$ 0.079 χ^2 /NDF: 238548.2/19

427.480 $\pm$ 0.075 χ^2 /NDF: 139052.9/21

asym_sam_37_48_dd_mean vs Slug



Right In: -517.375±/125.736 χ^2 /NDF: 0.0/16

Left Out: -38.889±/263.054 χ^2 /NDF:1.4/2

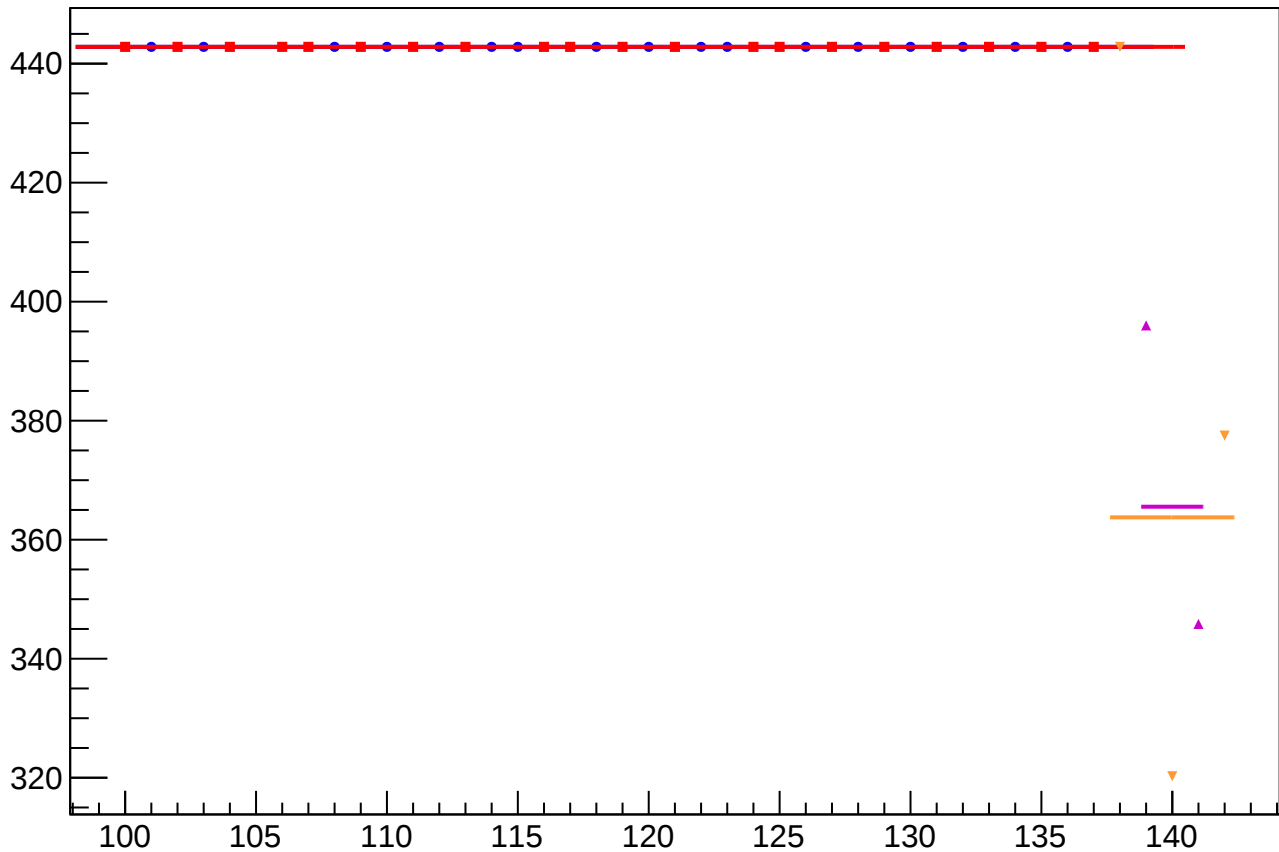
Right Out: -517.375±/115.923 χ^2 /NDF: 0.0/19

Left In: -374.877±/293.642 χ^2 /NDF:1.4/1

-428.386±/113.443 χ^2 /NDF: 4.1/19

-498.161±/107.825 χ^2 /NDF: 1.6/21

asym_sam_37_48_dd_rms vs Slug



Right In: 442.822 $\pm$ 0.089 χ^2 /NDF: 0.0/16

Left Out: 363.754 $\pm$ 0.186 χ^2 /NDF: 76869.3/2

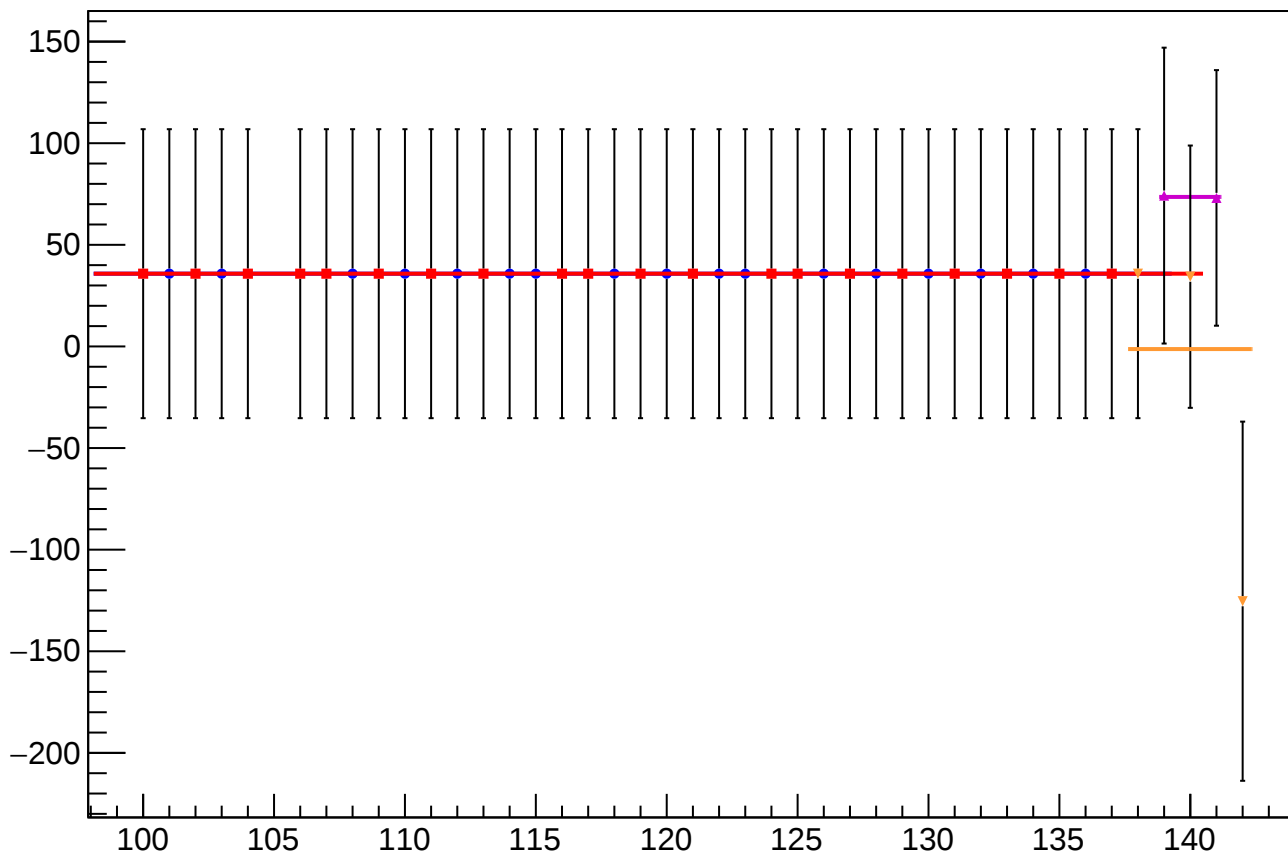
Right Out: 442.822 $\pm$ 0.082 χ^2 /NDF: 0.0/19

Left In: 365.543 $\pm$ 0.208 χ^2 /NDF: 13919.0/1

428.117 $\pm$ 0.080 χ^2 /NDF: 223957.3/19

432.402 $\pm$ 0.076 χ^2 /NDF: 133762.8/21

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 35.799+/-17.244 χ^2/NDF : 0.0/16

Left Out: -1.293+/-42.034 χ^2/NDF : 2.5/2

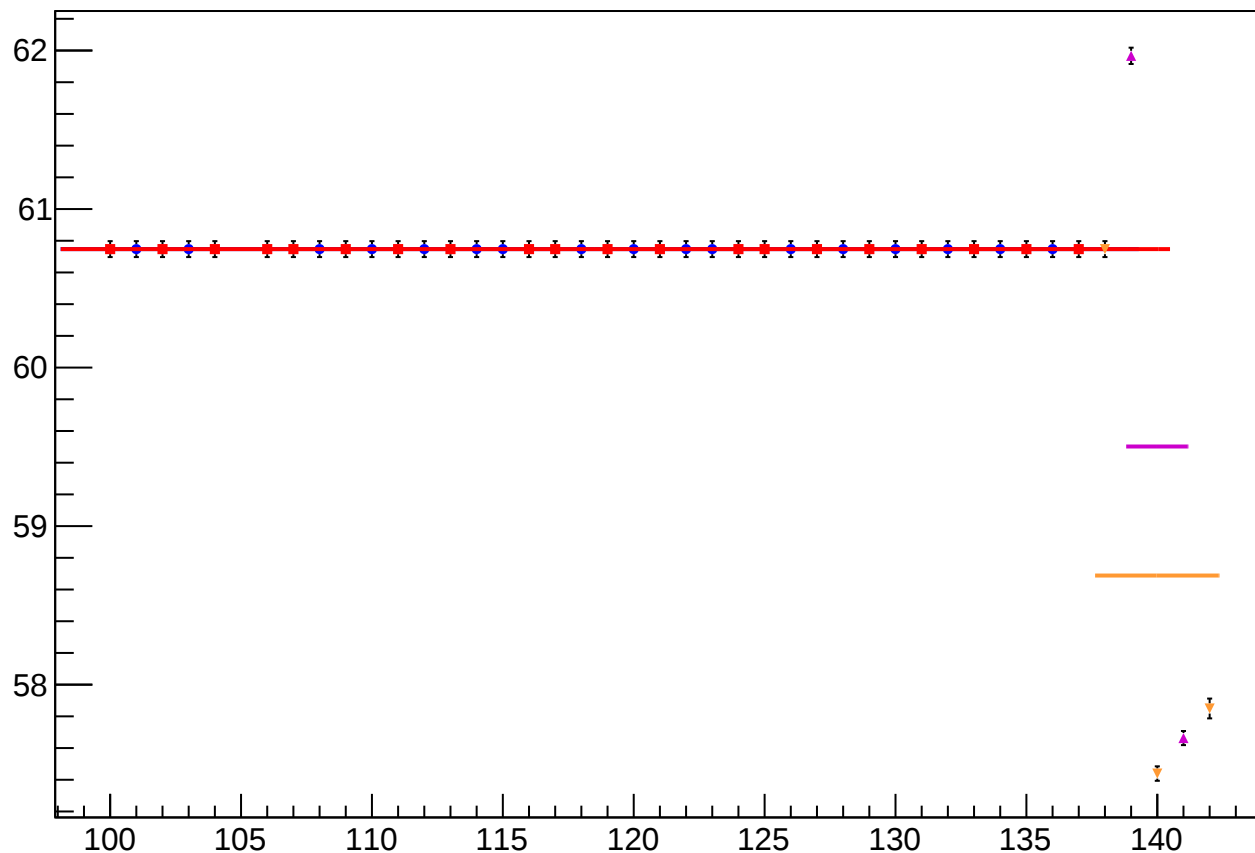
Right Out: 35.799+/-15.898 χ^2/NDF : 0.0/19

Left In: 73.567+/-47.586 χ^2/NDF : 0.0/1

30.456+/-15.954 χ^2/NDF : 3.2/19

39.592+/-15.079 χ^2/NDF : 0.6/21

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 60.747 $\pm$ 0.012 χ^2 /NDF: 0.0/16

Left Out: 58.688 $\pm$ 0.030 χ^2 /NDF:2606.8/2

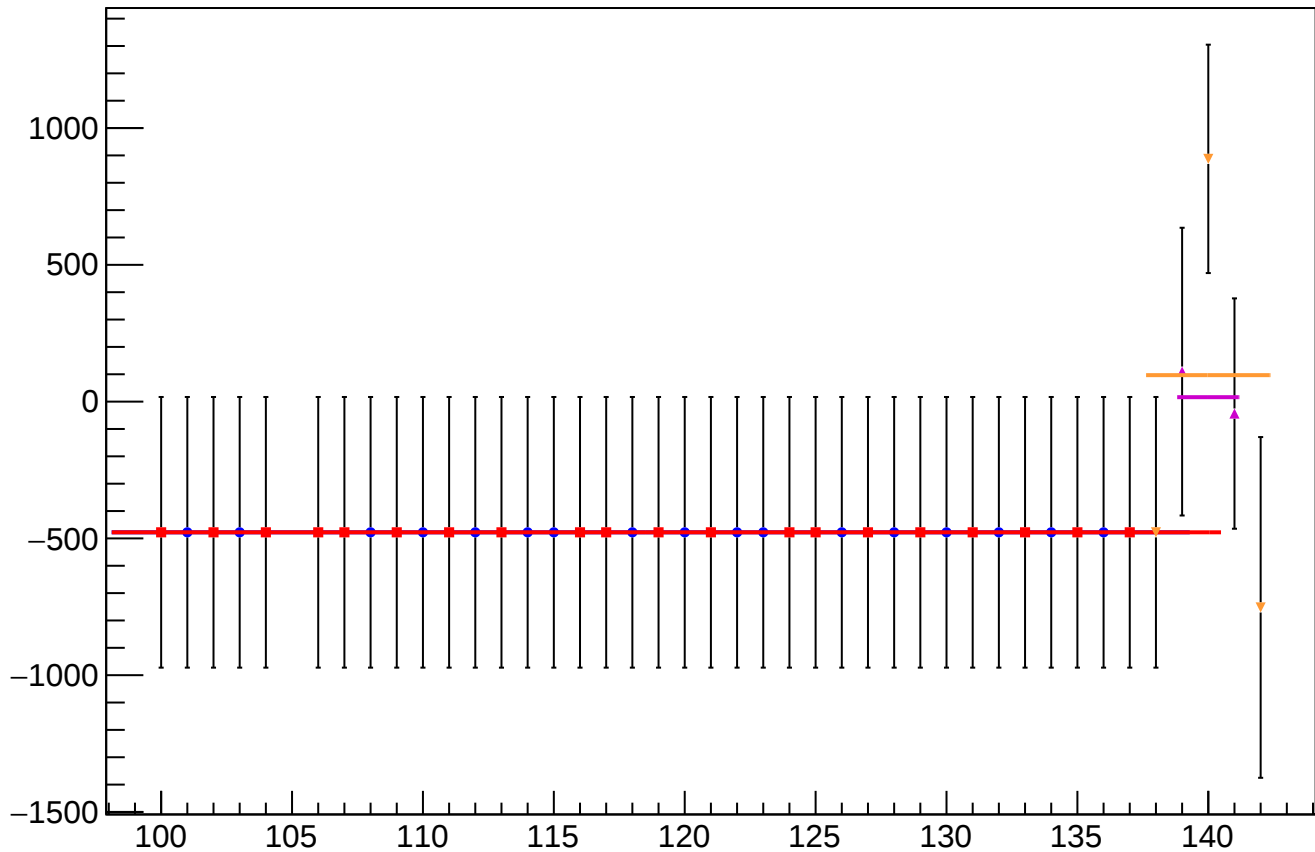
Right Out: 60.747 $\pm$ 0.011 χ^2 /NDF: 0.0/19

Left In: 59.502 $\pm$ 0.034 χ^2 /NDF:4002.8/1

60.451 $\pm$ 0.011 χ^2 /NDF: 6714.7/19

60.622 $\pm$ 0.011 χ^2 /NDF: 5234.7/21

asym_sam_15_26_dd_correction_mean vs Slug



Right In: -477.757+/-119.983 χ^2/NDF : 0.0/16

Left Out: 96.776+/-283.951 χ^2/NDF : 6.8/2

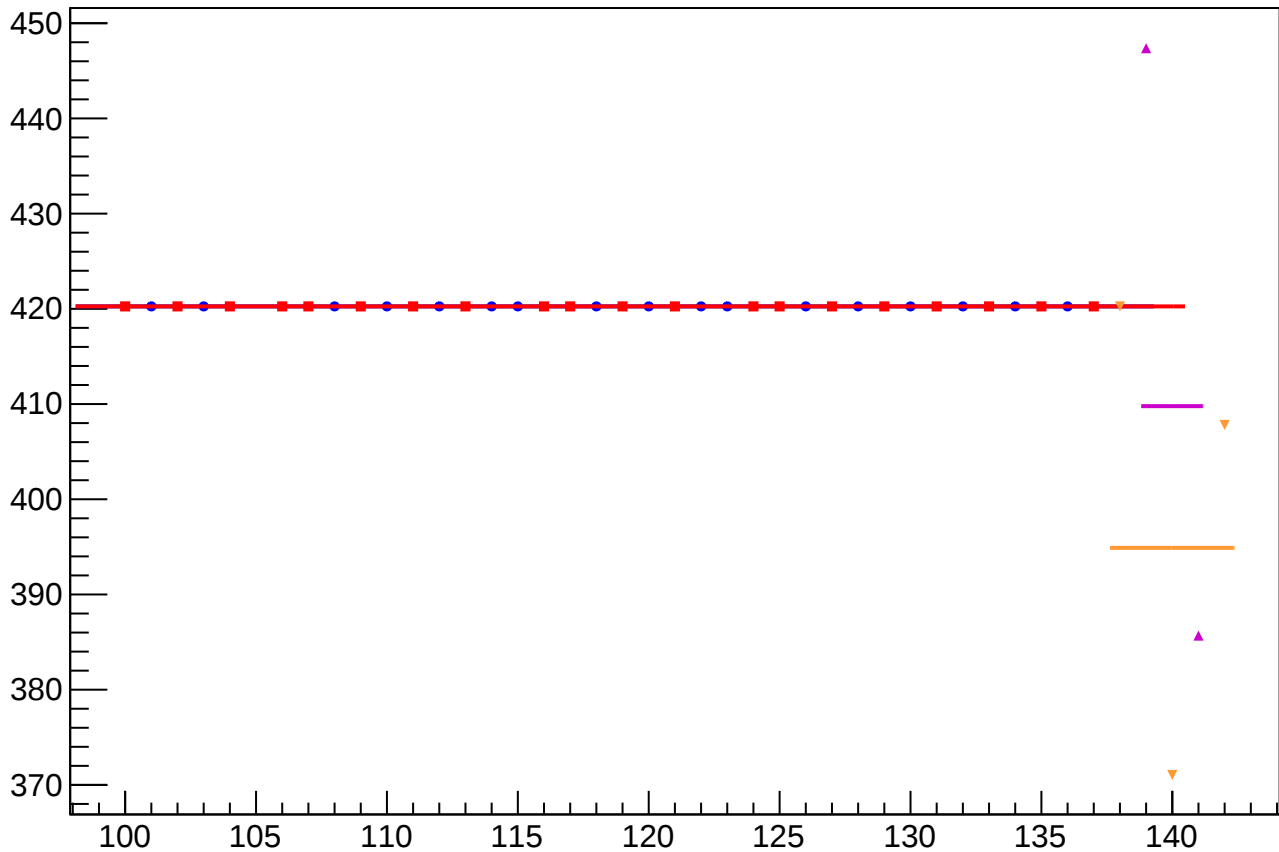
Right Out: -477.757+/-110.619 χ^2/NDF : 0.0/19

Left In: 16.240+/-328.688 χ^2/NDF : 0.1/1

-390.717+/-110.522 χ^2/NDF : 10.3/19

-427.498+/-104.841 χ^2/NDF : 2.1/21

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 420.257 $\pm$ 0.085 χ^2 /NDF: 0.0/16

Left Out: 394.898 $\pm$ 0.201 χ^2 /NDF:12646.3/2

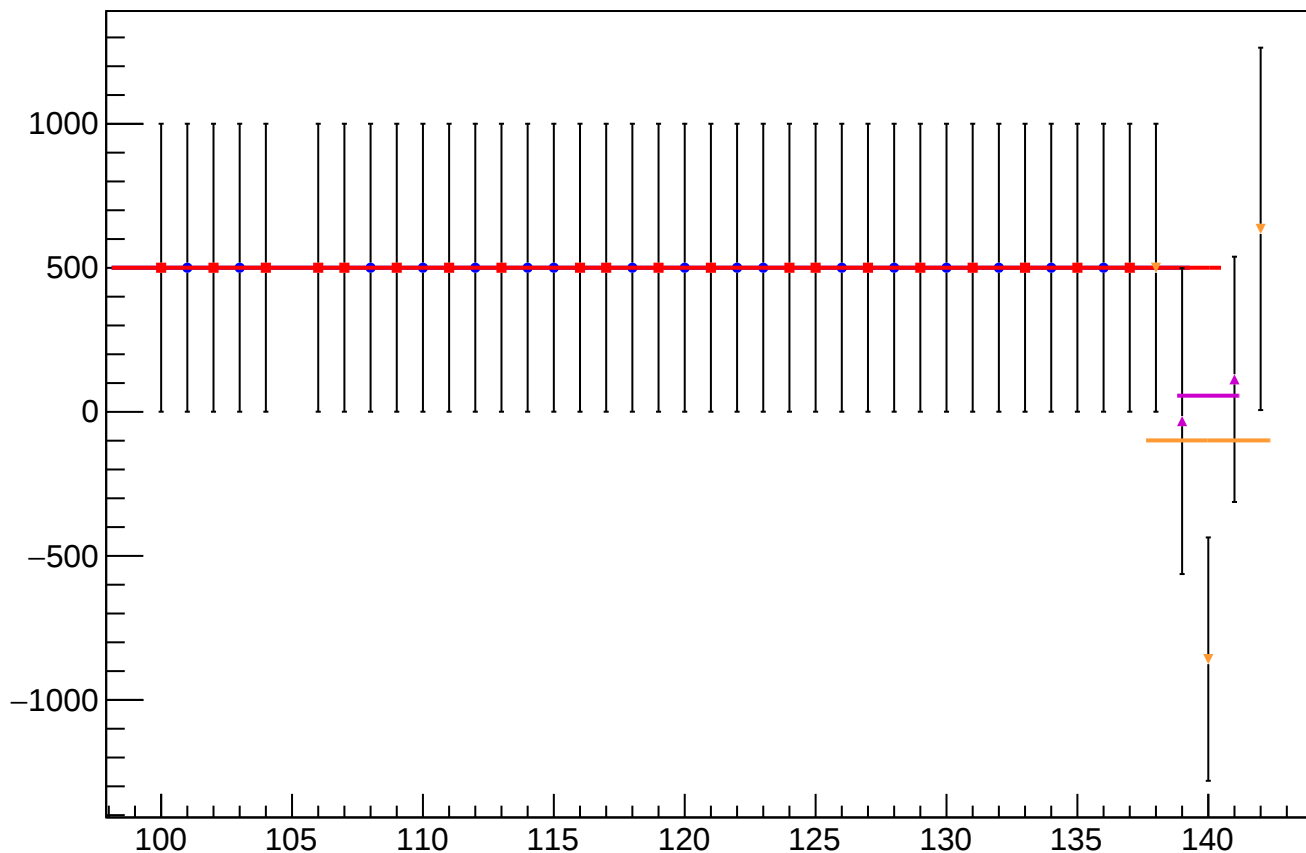
Right Out: 420.257 $\pm$ 0.078 χ^2 /NDF: 0.0/19

Left In: 409.780 $\pm$ 0.232 χ^2 /NDF:16769.7/1

416.415 $\pm$ 0.078 χ^2 /NDF: 26180.5/19

419.191 $\pm$ 0.074 χ^2 /NDF: 18594.8/21

asym_sam_15_26_dd_mean vs Slug



Right In: 500.448 $\pm$ 121.238 χ^2 /NDF: 0.0/16

Left Out: -99.010 $\pm$ 287.098 χ^2 /NDF:6.0/2

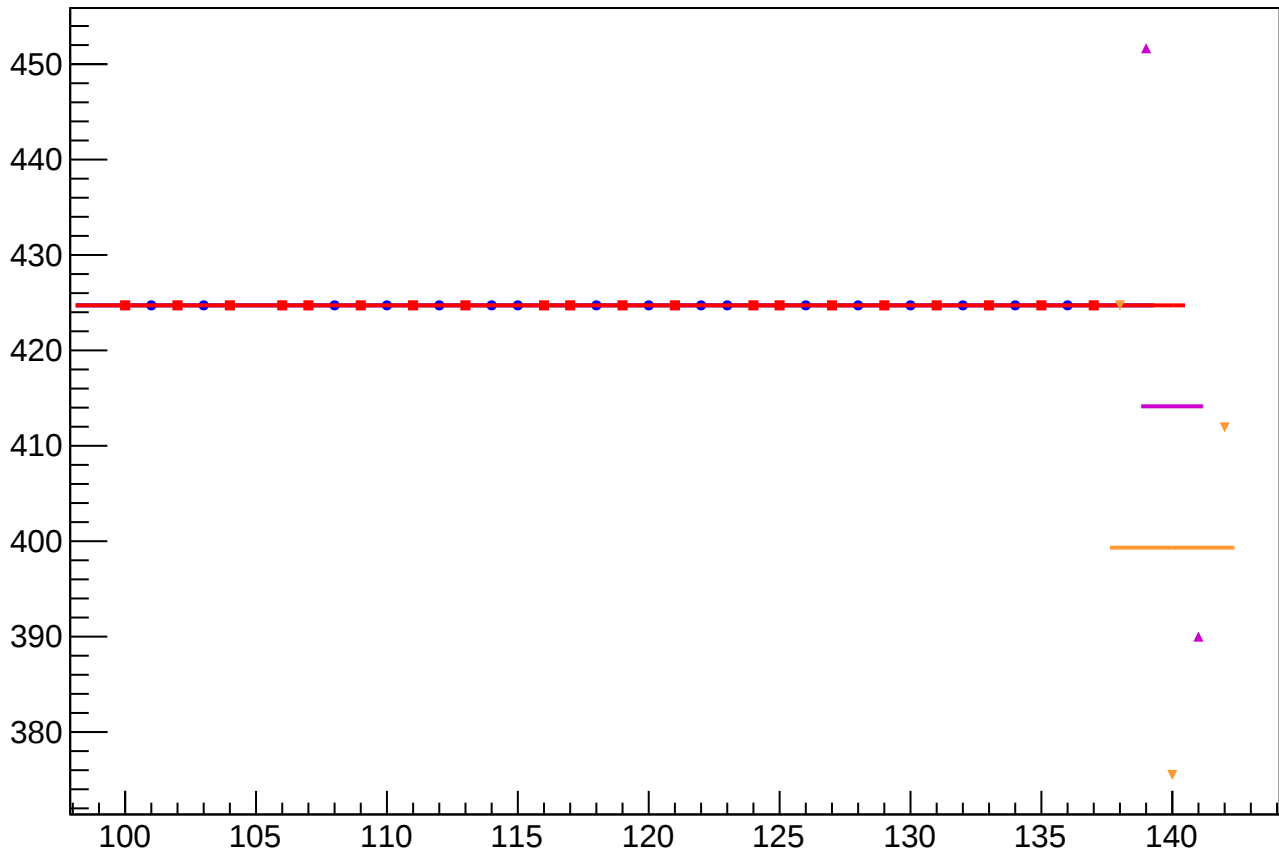
Right Out: 500.448 $\pm$ 111.776 χ^2 /NDF: 0.0/19

Left In: 56.239 $\pm$ 332.154 χ^2 /NDF:0.0/1

409.726 $\pm$ 111.688 χ^2 /NDF: 9.7/19

455.261 $\pm$ 105.938 χ^2 /NDF: 1.7/21

asym_sam_15_26_dd_rms vs Slug



Right In: 424.721+/-0.086 χ^2/NDF : 0.0/16

Left Out: 399.325+/-0.203 χ^2/NDF :12325.0/2

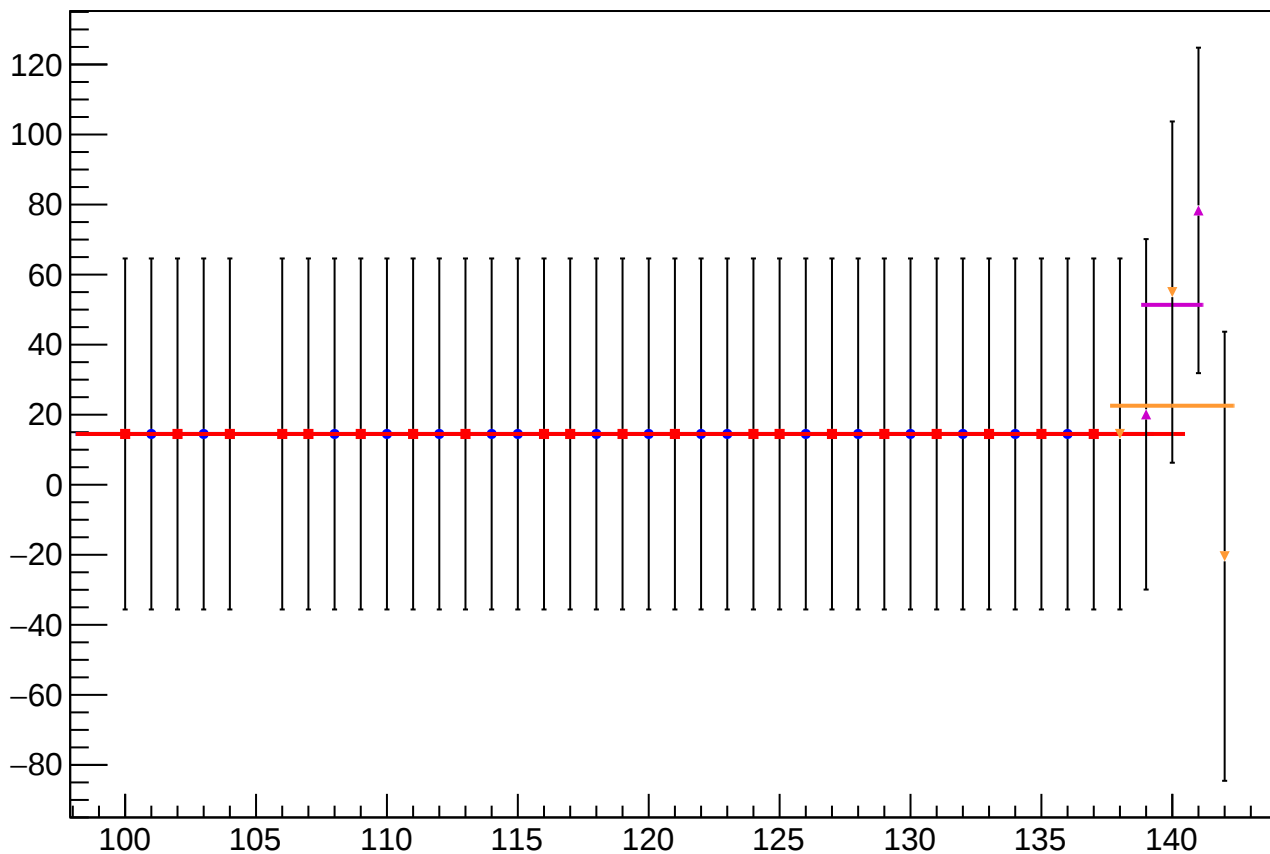
Right Out: 424.721+/-0.079 χ^2/NDF : 0.0/19

Left In: 414.138+/-0.235 χ^2/NDF :16417.8/1

420.877+/-0.079 χ^2/NDF : 25606.1/19

423.644+/-0.075 χ^2/NDF : 18241.6/21

reg_asym_sam_37_26_dd_mean vs Slug



Right In: 14.497 $\pm$ 12.154 χ^2 /NDF: 0.0/16

Left Out: 22.560 $\pm$ 30.675 χ^2 /NDF:0.9/2

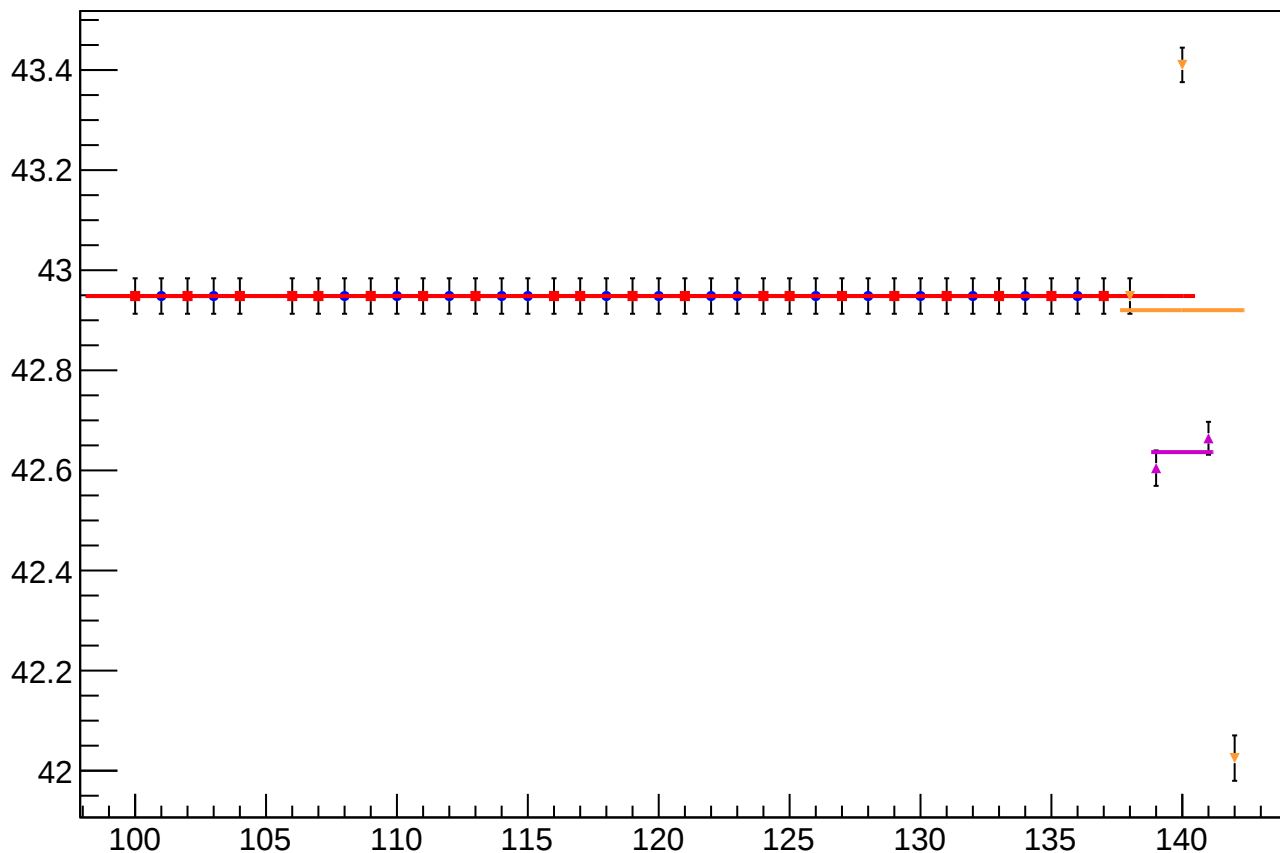
Right Out: 14.497 $\pm$ 11.205 χ^2 /NDF: 0.0/19

Left In: 51.364 $\pm$ 34.049 χ^2 /NDF:0.7/1

15.591 $\pm$ 11.299 χ^2 /NDF: 1.0/19

18.100 $\pm$ 10.644 χ^2 /NDF: 1.8/21

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 42.948 $\pm$ 0.009 χ^2 /NDF: 0.0/16

Left Out: 42.920 $\pm$ 0.022 χ^2 /NDF: 592.7/2

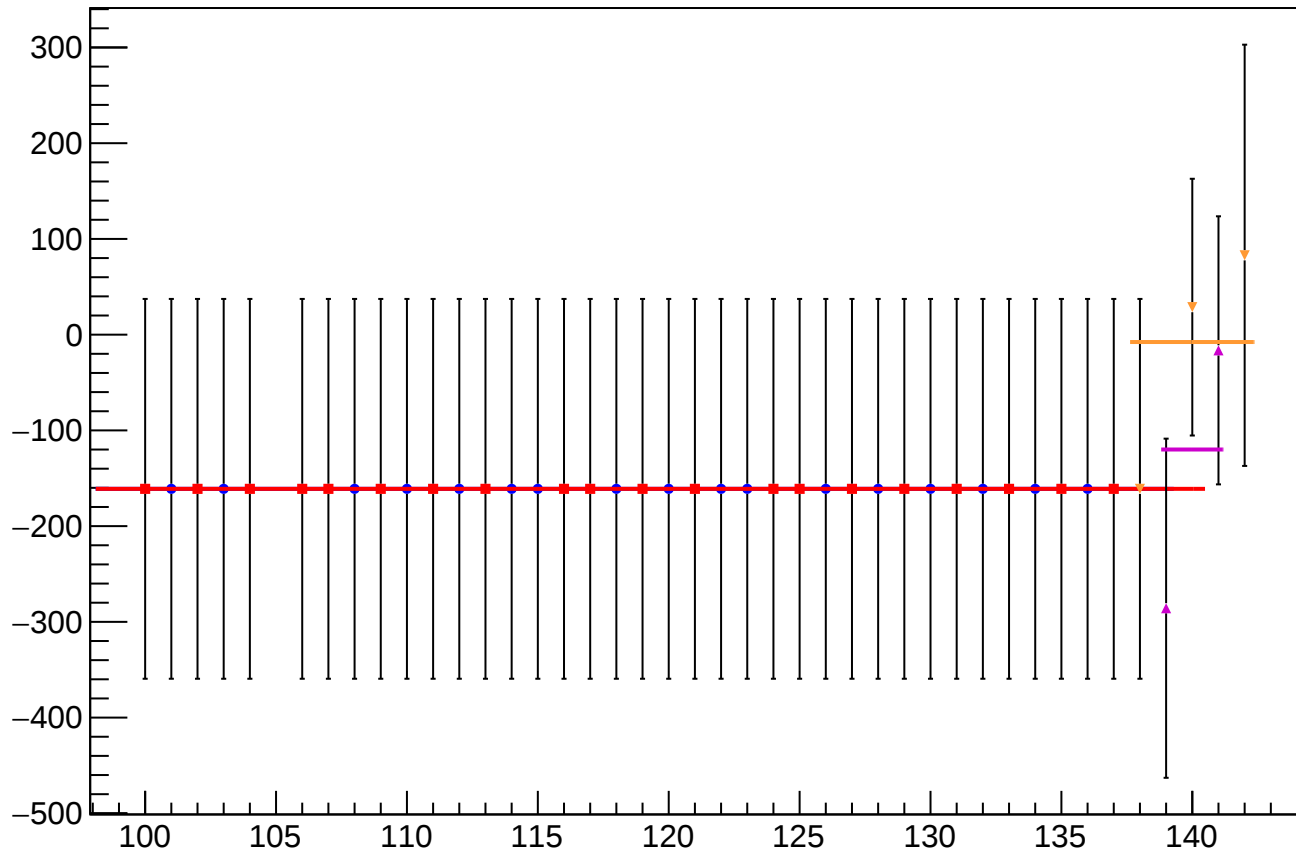
Right Out: 42.948 $\pm$ 0.008 χ^2 /NDF: 0.0/19

Left In: 42.637 $\pm$ 0.024 χ^2 /NDF: 1.5/1

42.945 $\pm$ 0.008 χ^2 /NDF: 594.2/19

42.918 $\pm$ 0.008 χ^2 /NDF: 152.9/21

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -161.053+/-48.113 χ^2/NDF : 0.0/16

-131.830+/-43.287 χ^2/NDF : 2.8/19

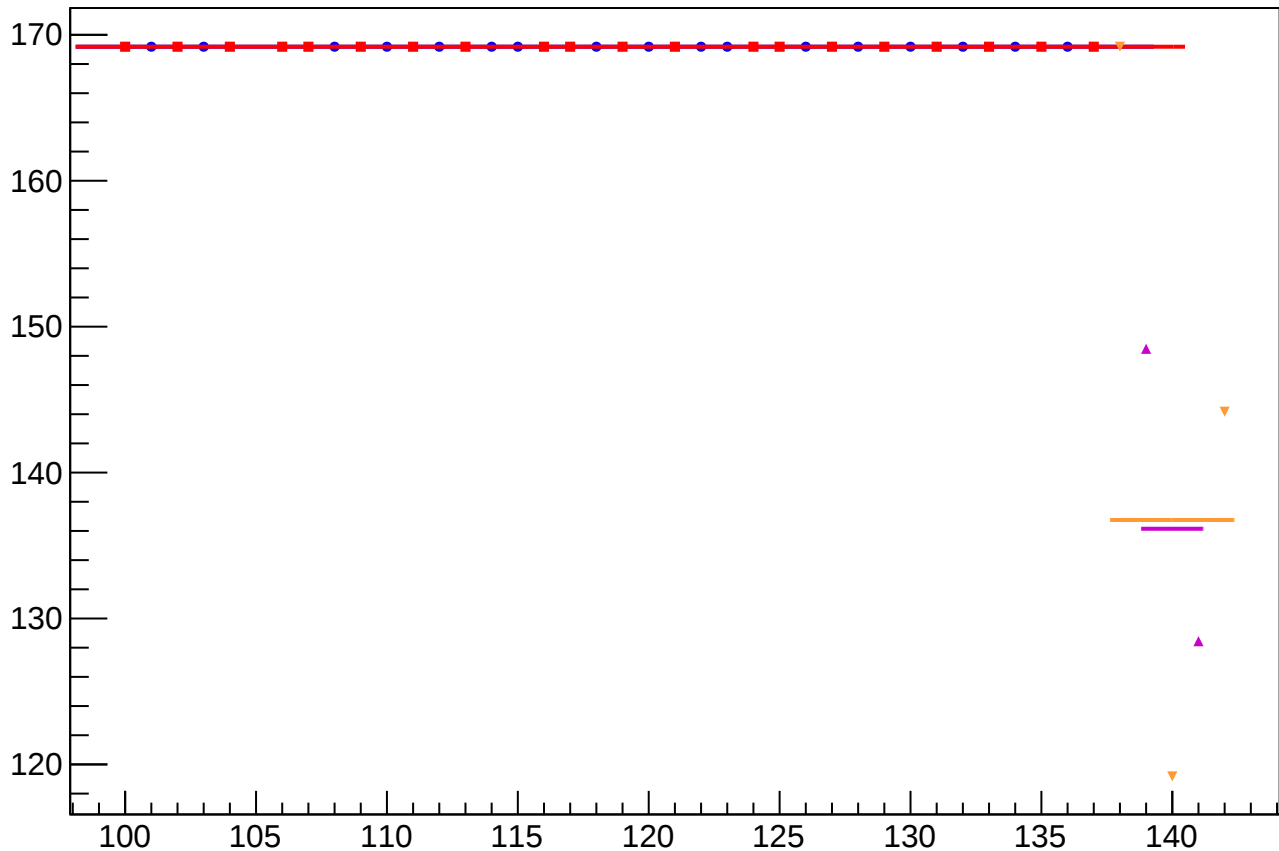
Left Out: -7.684+/-99.166 χ^2/NDF :0.8/2

Right Out: -161.053 ± 44.358 χ^2/NDF : 0.0/19

-155.292+/-41.131 χ^2/NDF : 1.5/21

Left In: -119.966+/-109.843 χ^2/NDF :1.4/1

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 169.186 $\pm$ 0.034 χ^2 /NDF: 0.0/16

Left Out: 136.752 $\pm$ 0.070 χ^2 /NDF:90094.8/2

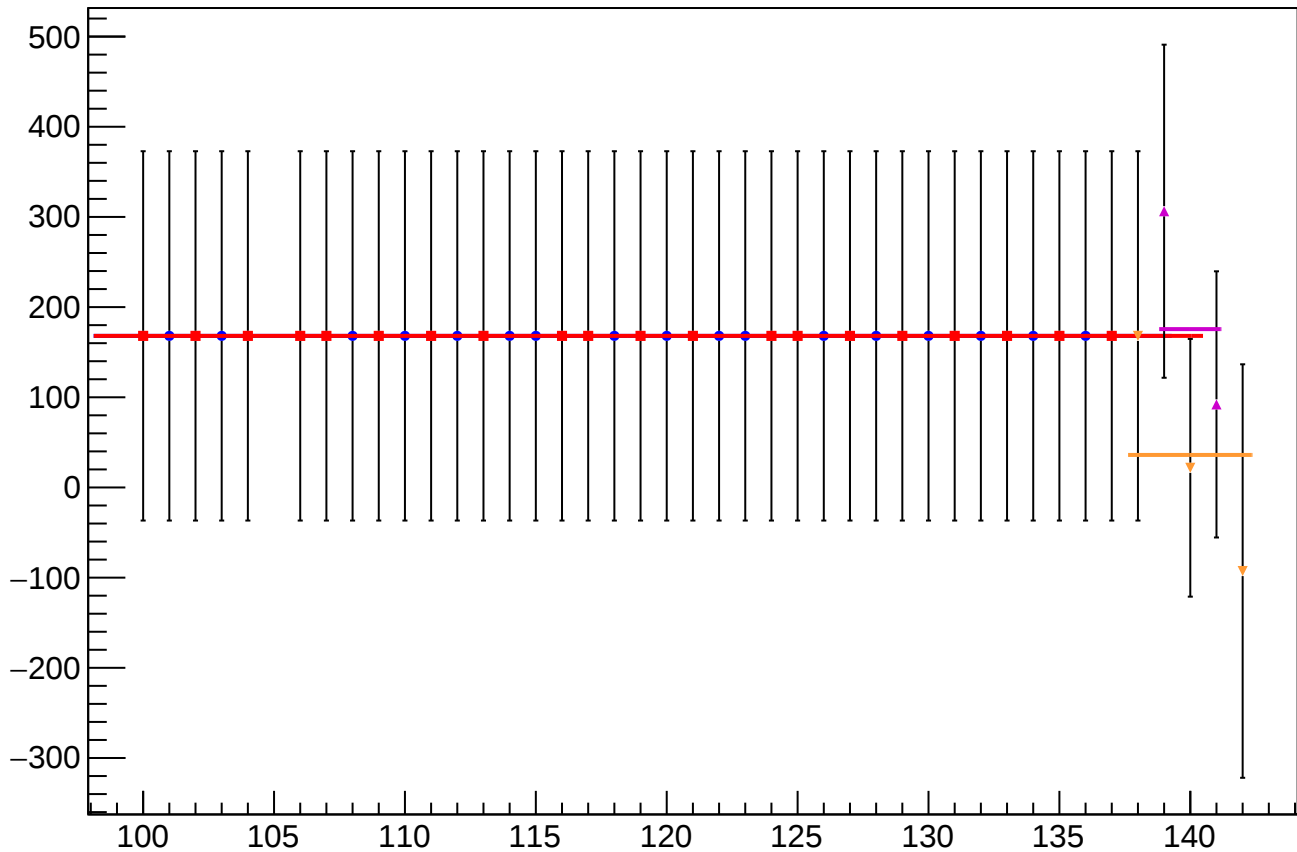
Right Out: 169.186 $\pm$ 0.031 χ^2 /NDF: 0.0/19

Left In: 136.151 $\pm$ 0.078 χ^2 /NDF:15754.7/1

163.006 $\pm$ 0.031 χ^2 /NDF: 263275.3/19

164.554 $\pm$ 0.029 χ^2 /NDF: 171289.5/21

asym_sam_37_26_dd_mean vs Slug



Right In: 168.090 $\pm$ 49.667 χ^2 /NDF: 0.0/16

Left Out: 36.071 $\pm$ 104.347 χ^2 /NDF: 0.7/2

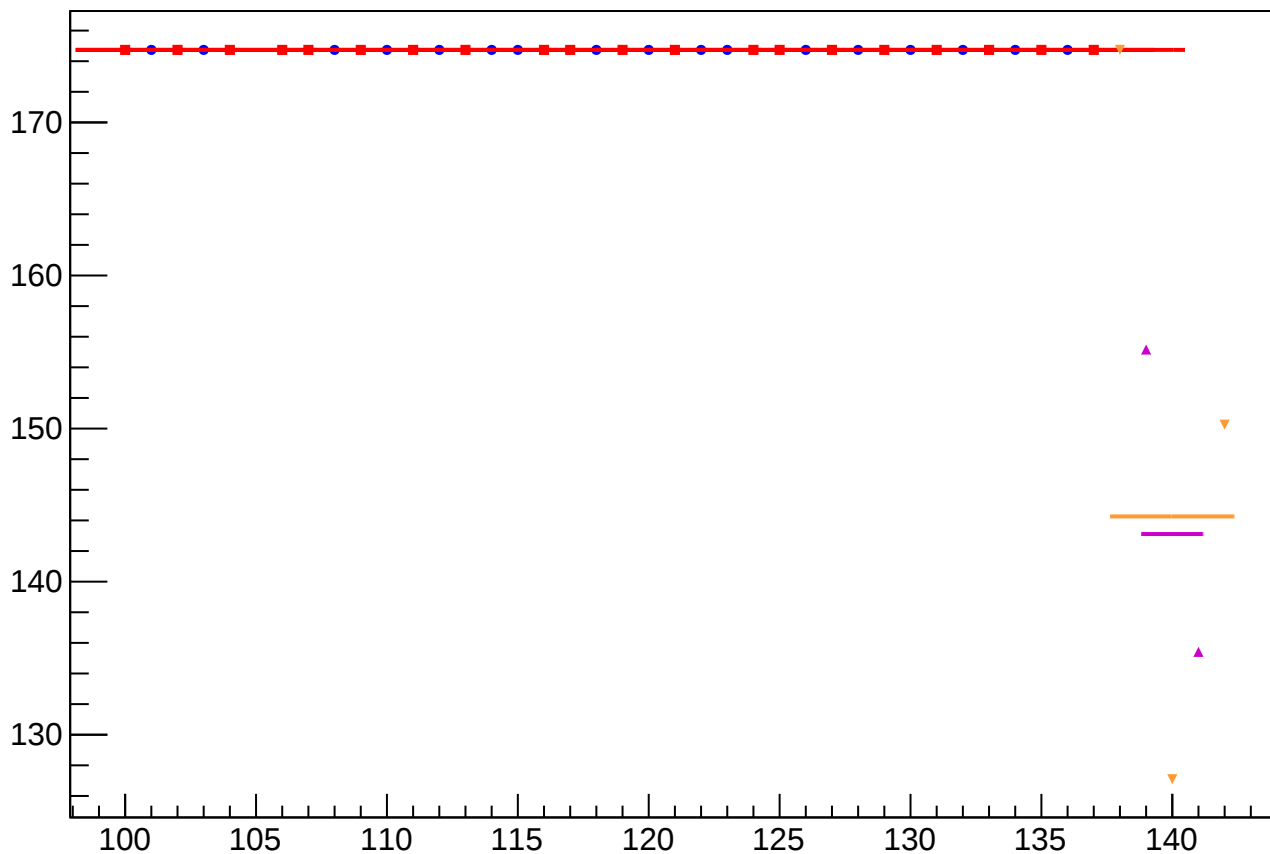
Right Out: 168.090 $\pm$ 45.791 χ^2 /NDF: 0.0/19

Left In: 175.601 $\pm$ 115.295 χ^2 /NDF: 0.8/1

143.705 $\pm$ 44.846 χ^2 /NDF: 2.0/19

169.113 $\pm$ 42.557 χ^2 /NDF: 0.8/21

asym_sam_37_26_dd_rms vs Slug



Right In: 174.739 ± 0.035 χ^2/NDF : 0.0/16

Left Out: 144.260 ± 0.074 χ^2/NDF : 74541.3/2

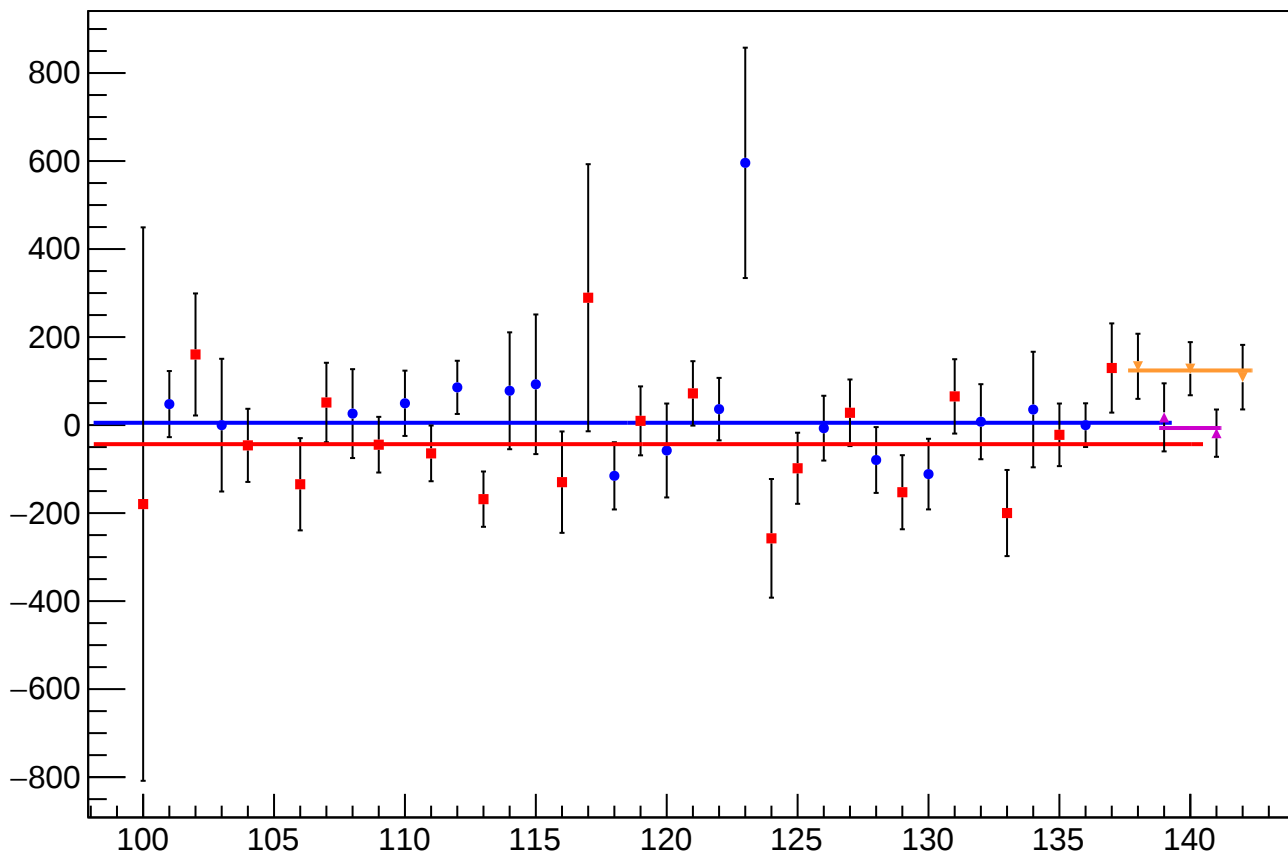
Right Out: 174.739 ± 0.032 χ^2/NDF : 0.0/19

Left In: 143.111 ± 0.082 χ^2/NDF : 13958.9/1

169.109 ± 0.032 χ^2/NDF : 213657.2/19

170.430 ± 0.030 χ^2/NDF : 143959.5/21

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 124.104 ± 39.436 $\chi^2/\text{NDF}: 0.1/2$

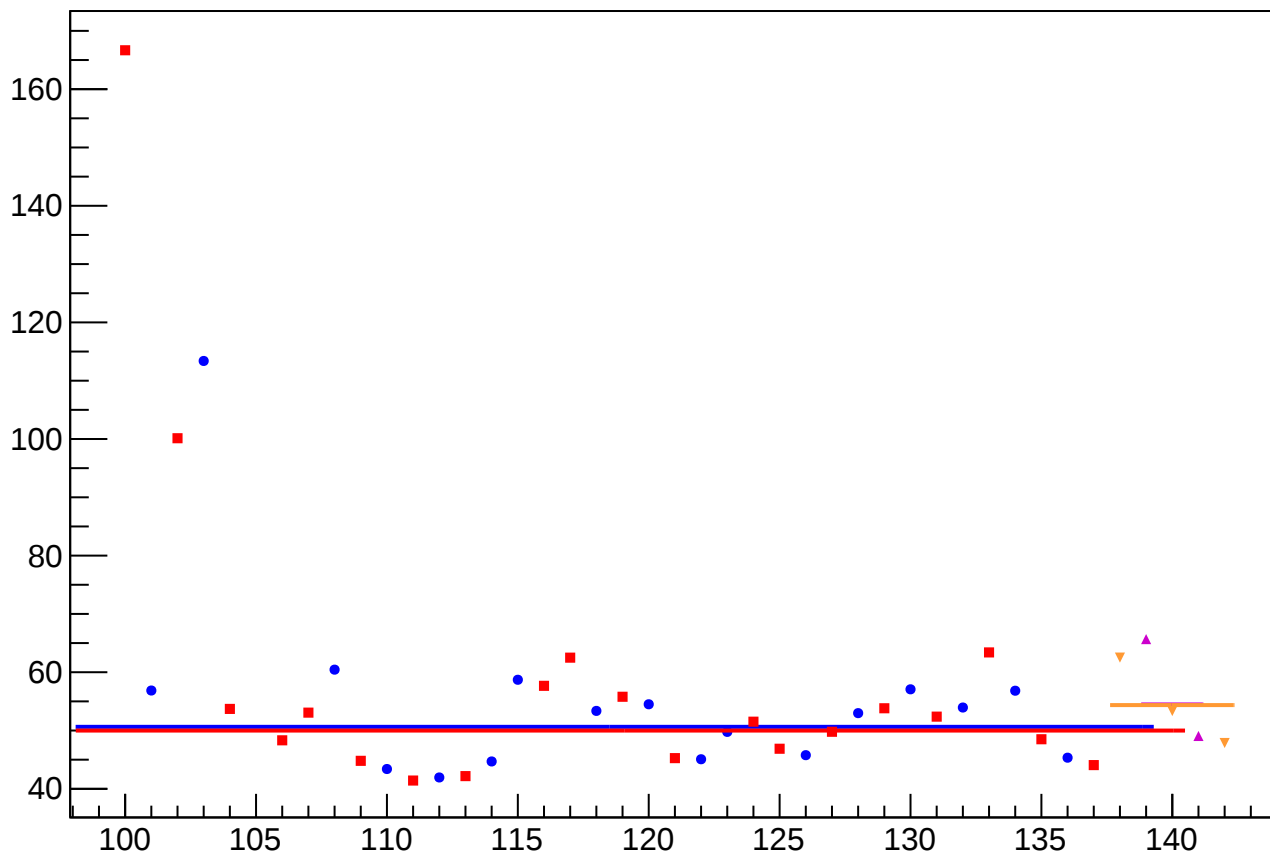
Right Out: -43.354 ± 19.371 $\chi^2/\text{NDF}: 25.6/19$

Left In: -6.676 ± 44.126 $\chi^2/\text{NDF}: 0.1/1$

29.832 ± 17.944 $\chi^2/\text{NDF}: 22.0/19$

-37.428 ± 17.737 $\chi^2/\text{NDF}: 26.3/21$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635+/-0.014 χ^2/NDF : 519687.1/16

Left Out: 54.363+/-0.028 χ^2/NDF : 40533.9/2

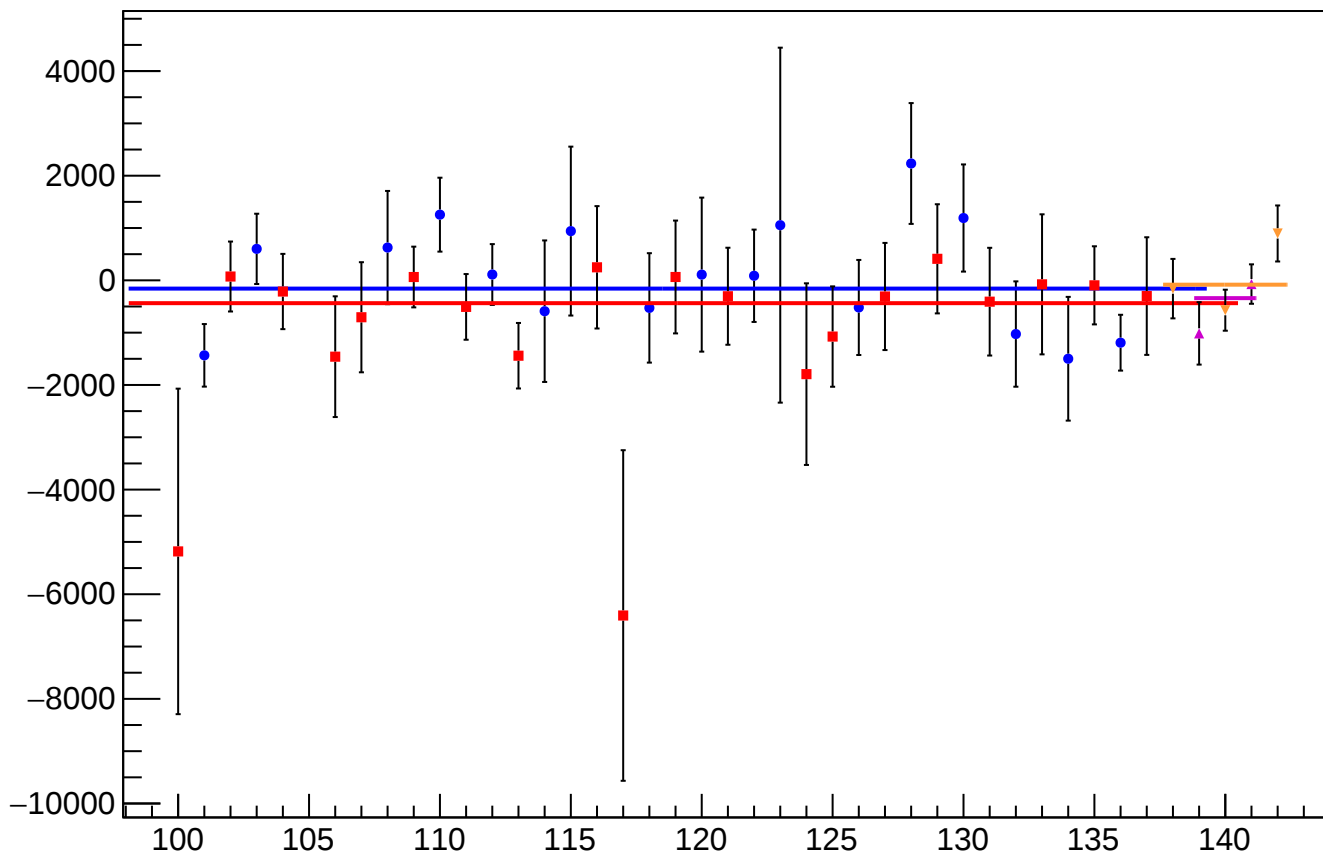
Right Out: 49.994+/-0.014 χ^2/NDF : 503898.1/19

Left In: 54.477+/-0.031 χ^2/NDF : 62258.0/1

51.407+/-0.013 χ^2/NDF : 574396.1/19

50.718+/-0.013 χ^2/NDF : 583460.9/21

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -83.140 ± 276.290 χ^2/NDF : 4.9/2

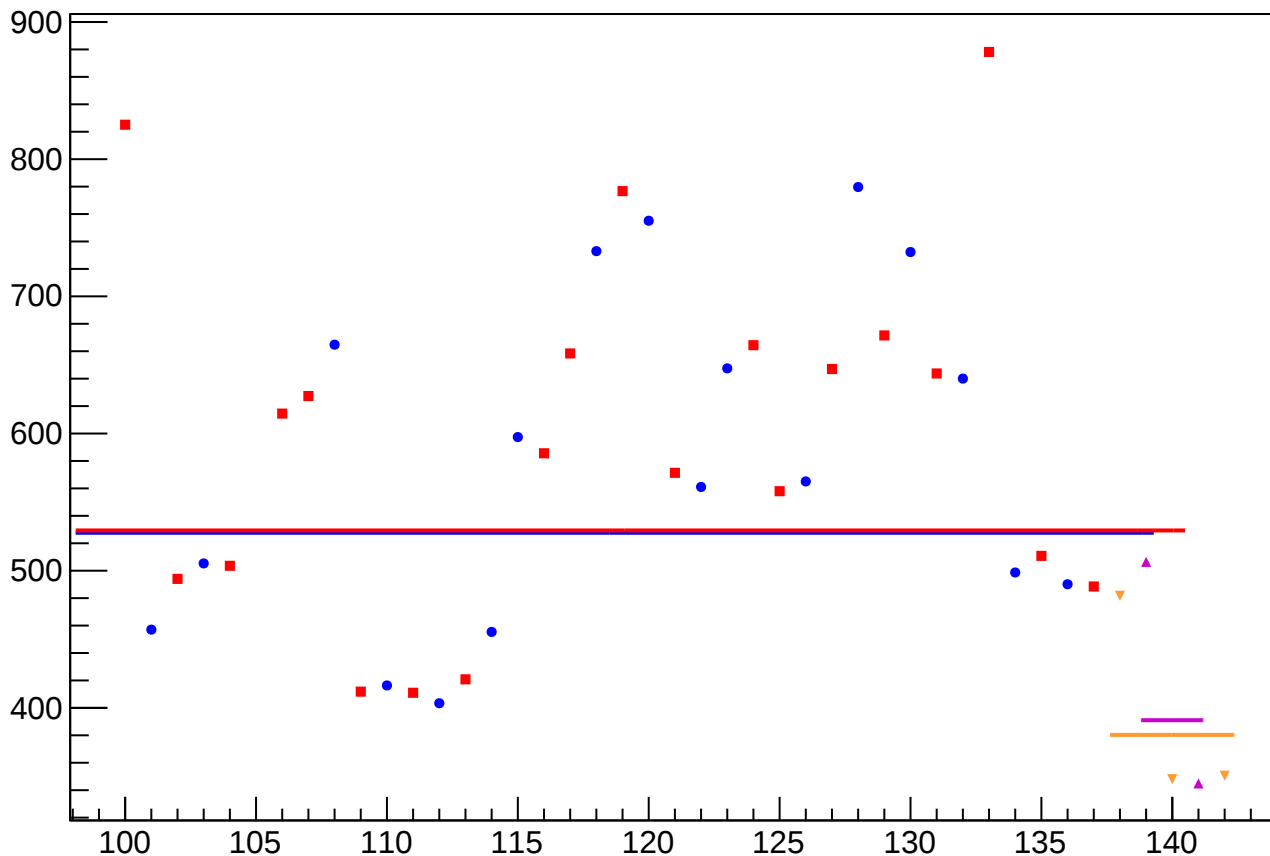
Right Out: -436.410 ± 203.212 χ^2/NDF : 13.4/19

Left In: -340.318 ± 318.593 χ^2/NDF : 1.8/1

-130.559 ± 167.280 χ^2/NDF : 28.4/19

-408.621 ± 171.327 χ^2/NDF : 15.2/21

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 380.313+/-0.195 χ^2/NDF :83445.4/2

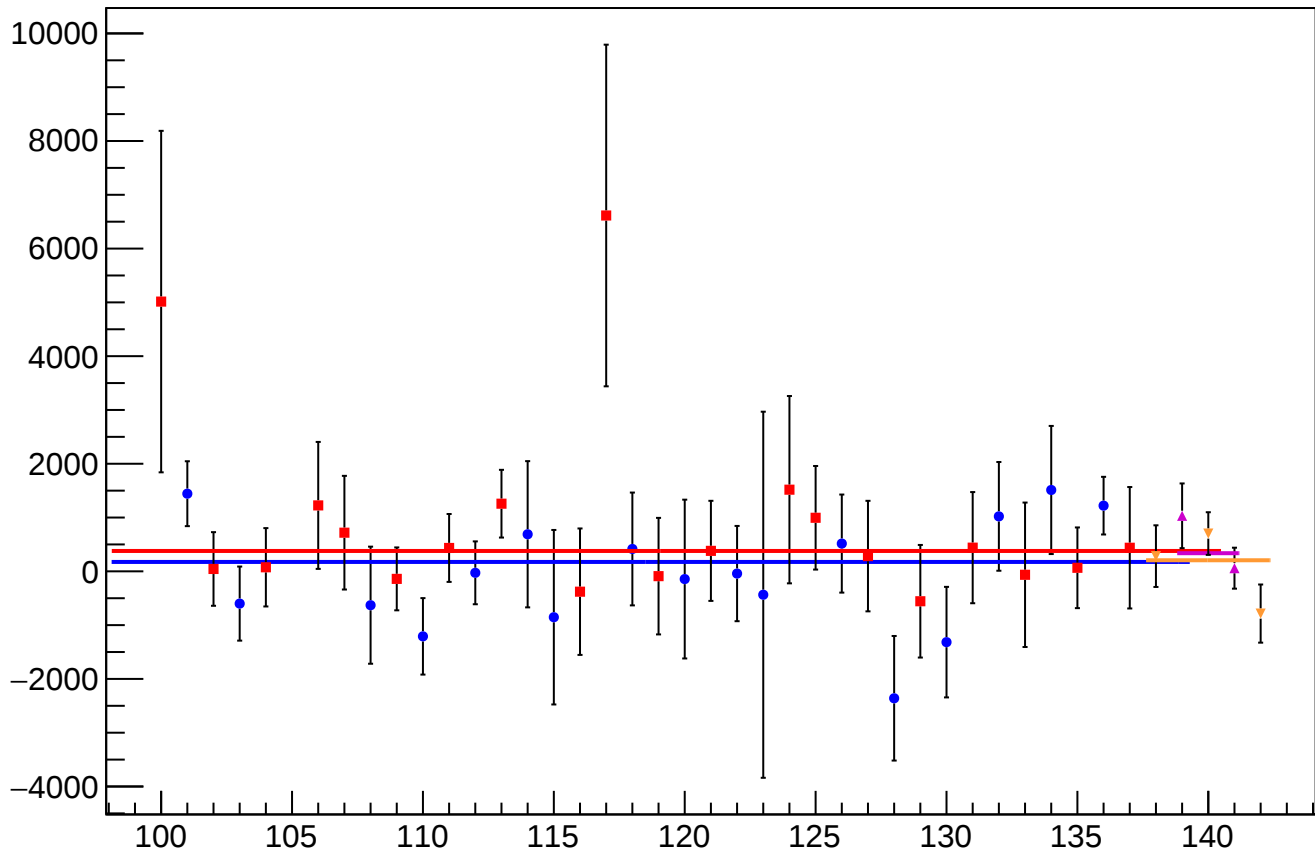
Right Out: 529.342+/-0.144 χ^2/NDF : 626714.3/19

Left In: 391.016+/-0.225 χ^2/NDF :104852.8/1

473.649+/-0.118 χ^2/NDF : 1001198.7/19

489.340+/-0.121 χ^2/NDF : 999559.1/21

asym_sam_1357_avg_mean vs Slug



Right In: 174.605+/-211.662 χ^2/NDF : 23.7/16

Left Out: 205.665+/-279.214 χ^2/NDF : 4.9/2

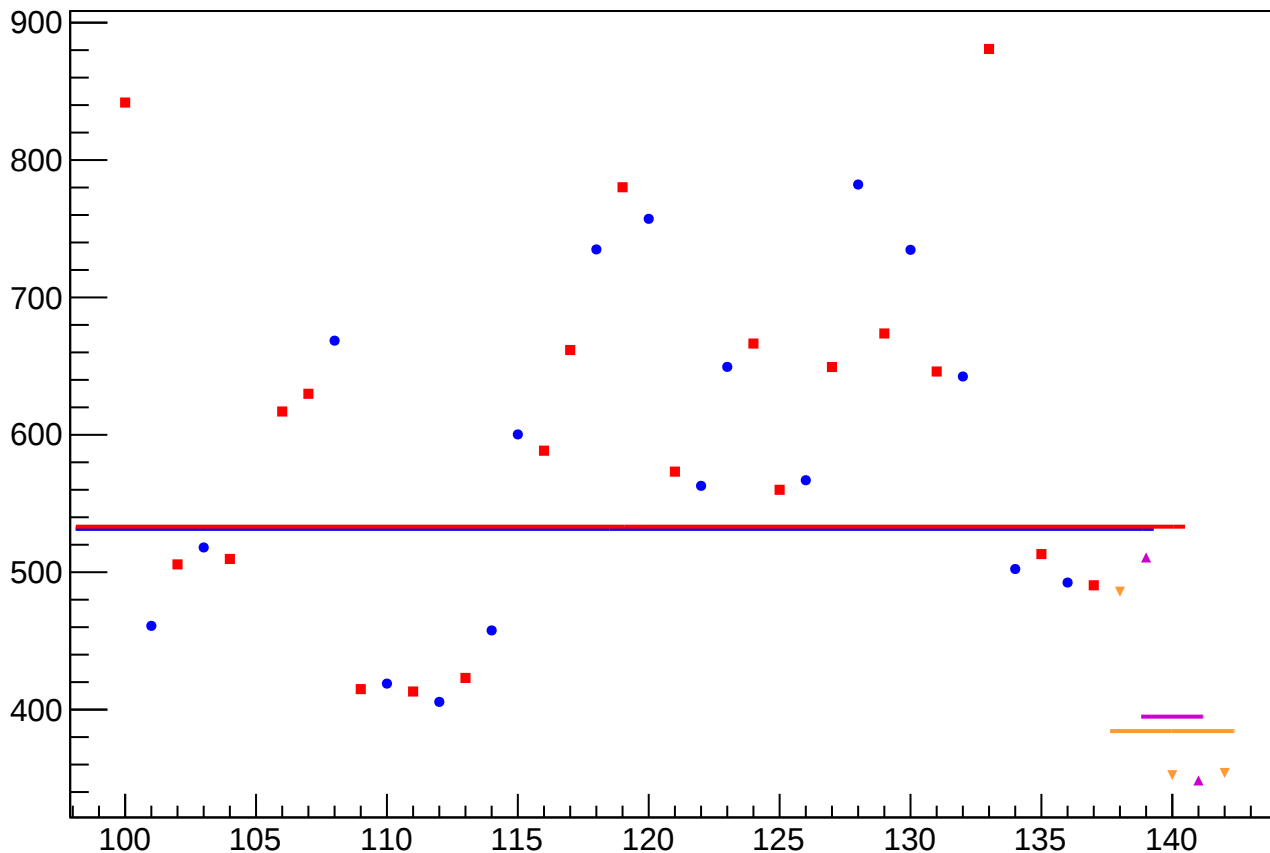
Right Out: 378.609+/-204.777 χ^2/NDF : 12.3/19

Left In: 337.108+/-321.693 χ^2/NDF : 1.9/1

185.940+/-168.674 χ^2/NDF : 28.6/19

366.642+/-172.747 χ^2/NDF : 14.2/21

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 384.387+/-0.197 χ^2/NDF : 82170.4/2

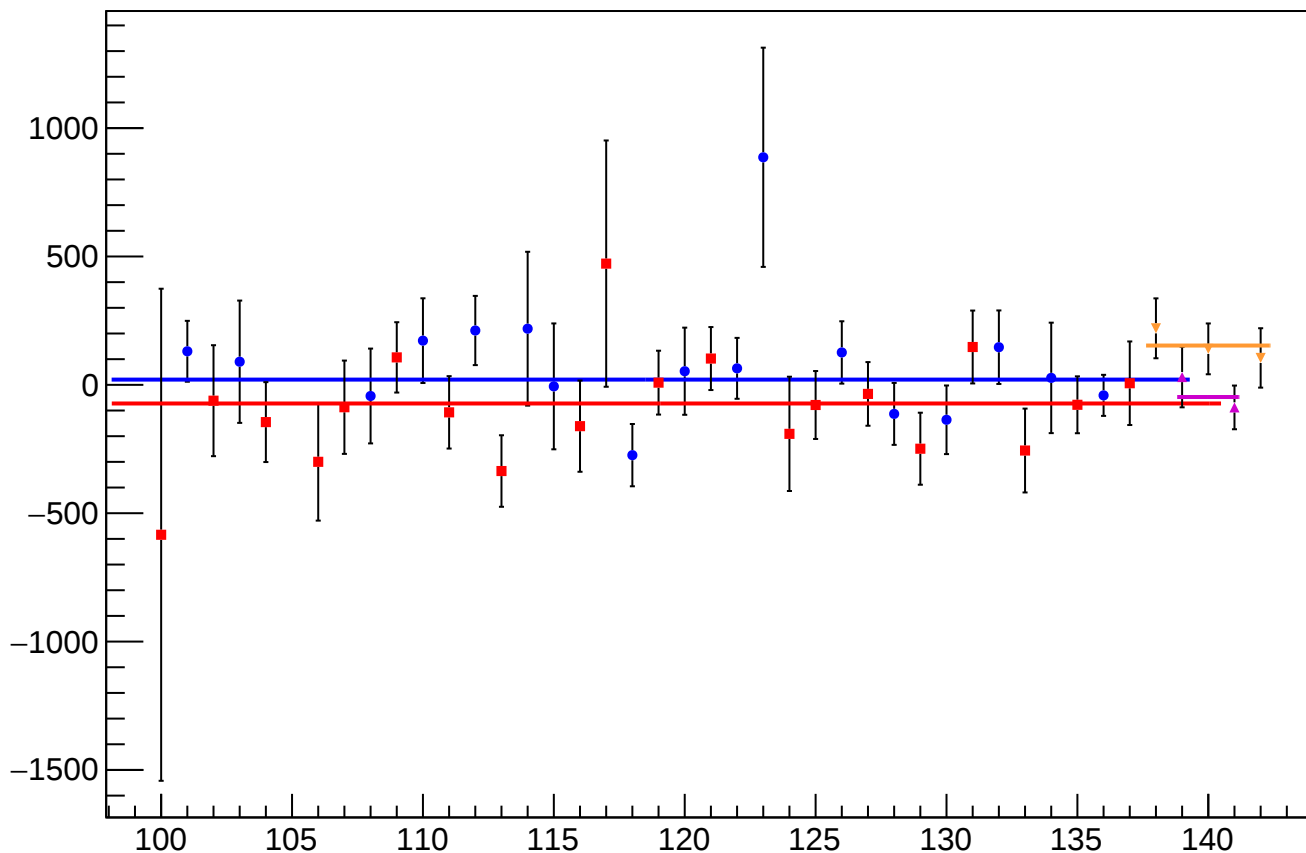
Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

Left In: 394.880+/-0.227 χ^2/NDF : 103959.2/1

477.847+/-0.119 χ^2/NDF : 985107.5/19

493.283+/-0.122 χ^2/NDF : 985970.4/21

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 ± 34.583 χ^2/NDF : 19.3/16

Left Out: 153.122 ± 63.211 χ^2/NDF : 0.5/2

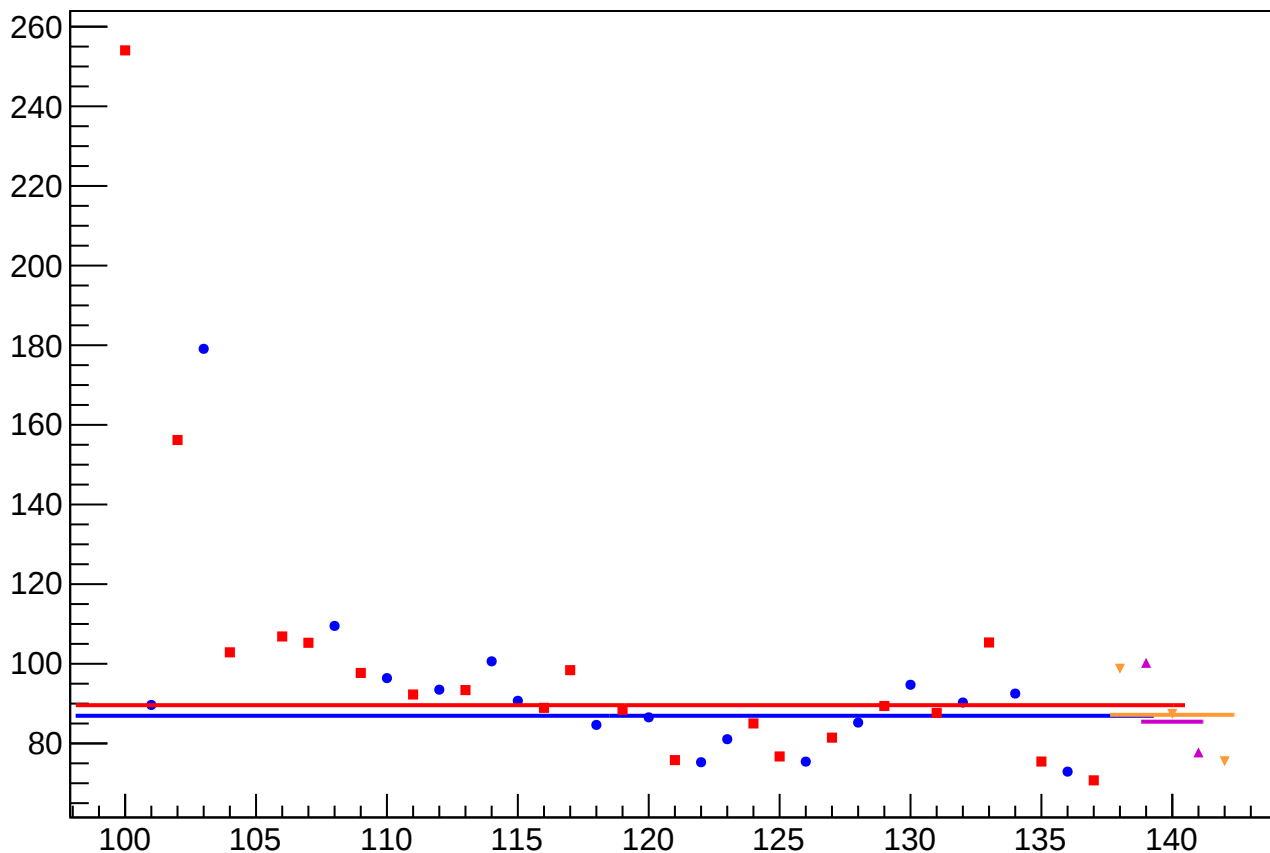
Right Out: -72.603 ± 34.608 χ^2/NDF : 16.7/19

Left In: -47.367 ± 69.023 χ^2/NDF : 0.7/1

51.007 ± 30.339 χ^2/NDF : 23.2/19

-67.533 ± 30.937 χ^2/NDF : 17.5/21

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943 ± 0.024 χ^2/NDF : 455809.4/16

Left Out: 87.187 ± 0.045 χ^2/NDF : 40066.2/2

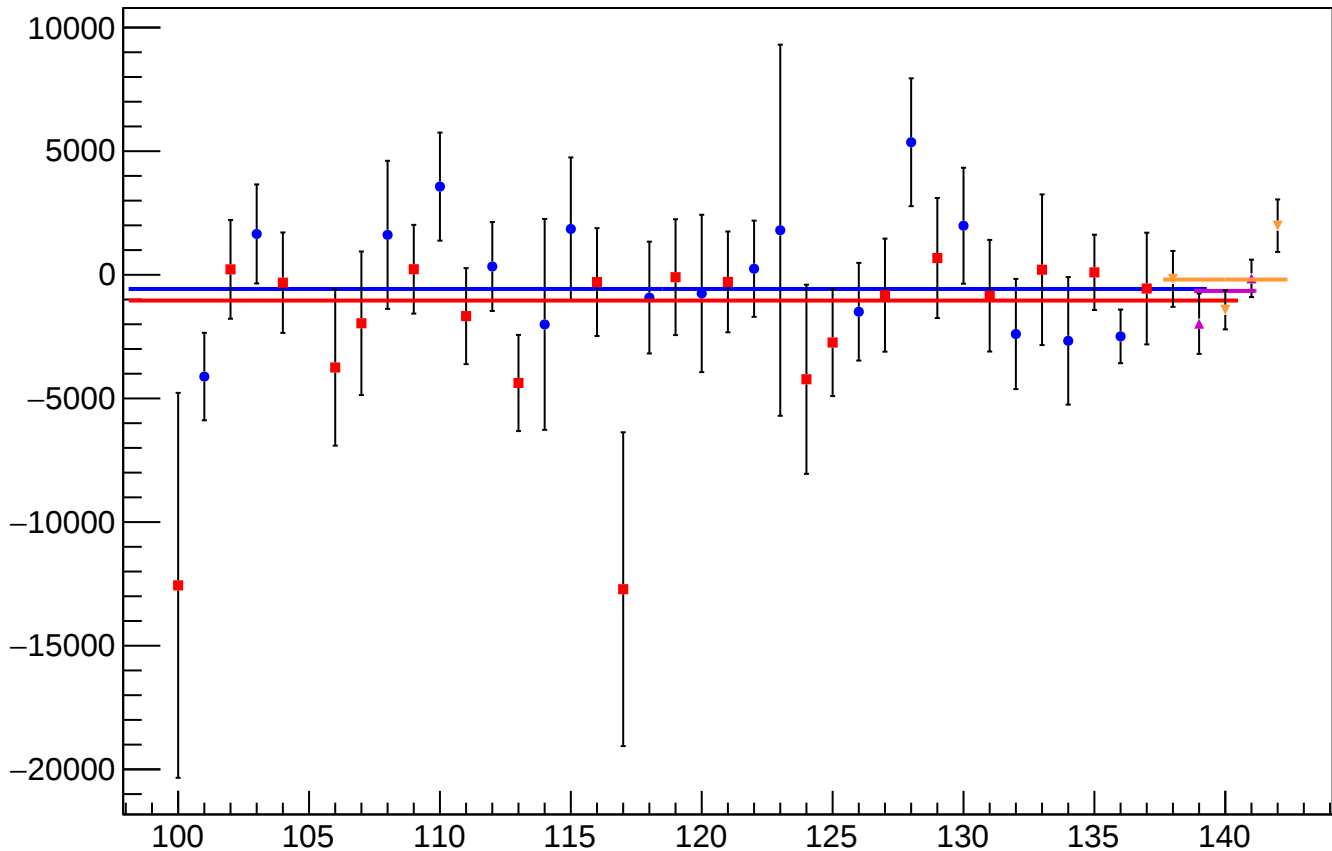
Right Out: 89.607 ± 0.024 χ^2/NDF : 431905.8/19

Left In: 85.458 ± 0.049 χ^2/NDF : 47797.5/1

86.999 ± 0.021 χ^2/NDF : 495898.6/19

88.774 ± 0.022 χ^2/NDF : 485476.9/21

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -191.485+/-553.363 χ^2/NDF : 6.6/2

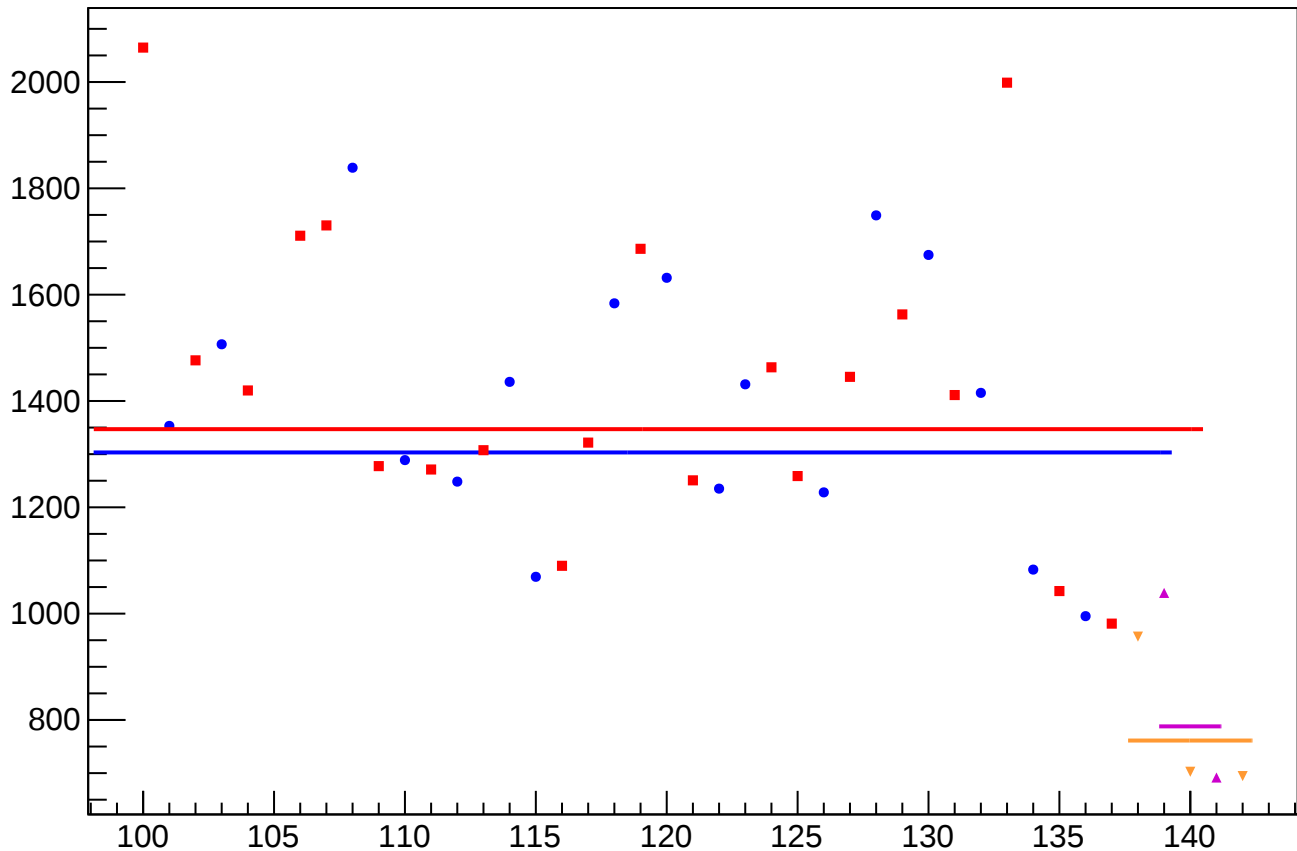
Right Out: -1040.618+/-512.937 χ^2/NDF : 13.5/19

Left In: -651.819+/-643.234 χ^2/NDF : 1.6/1

-394.830+/-377.784 χ^2/NDF : 28.7/19

-889.485+/-401.038 χ^2/NDF : 15.3/21

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 761.297+/-0.391 χ^2/NDF : 78765.7/2

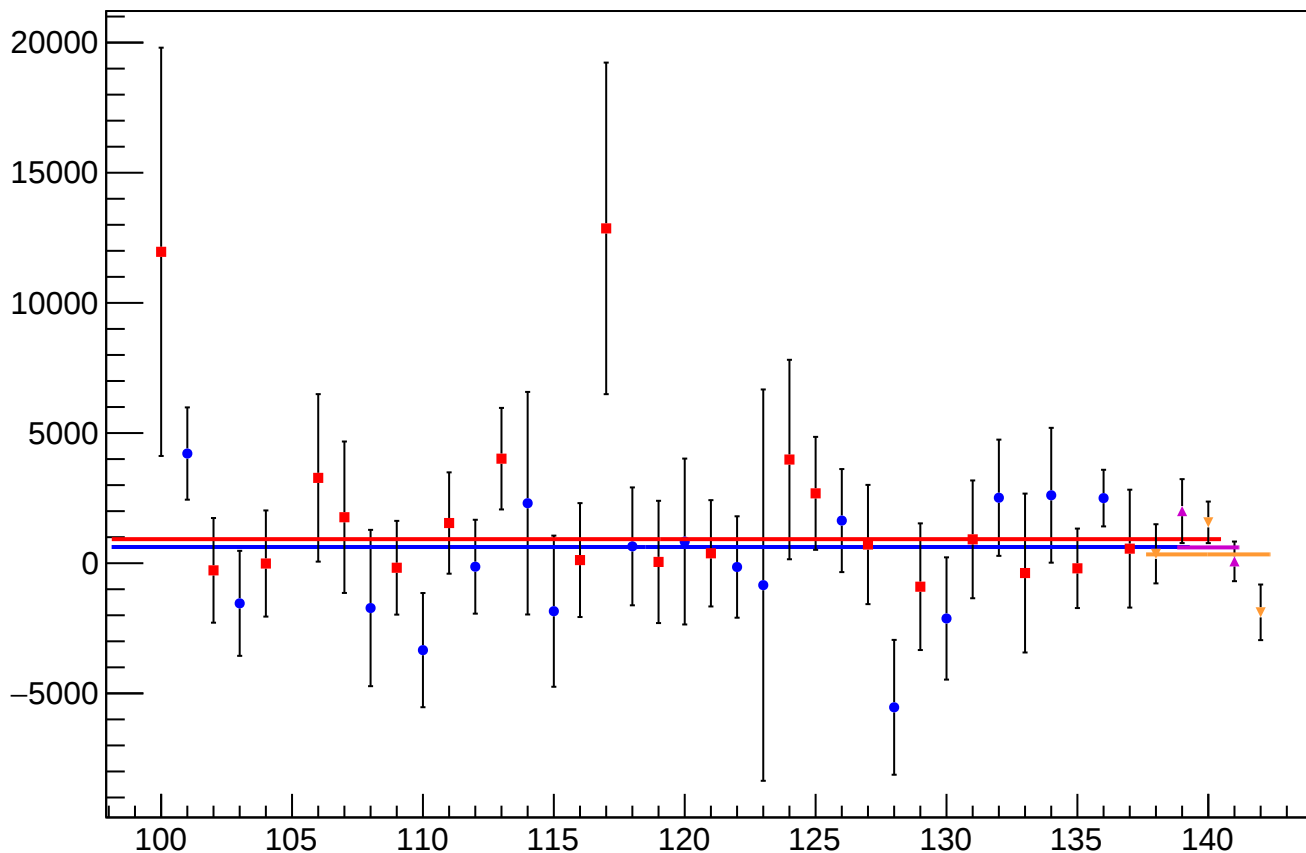
Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

Left In: 787.941+/-0.455 χ^2/NDF : 116744.1/1

1050.627+/-0.267 χ^2/NDF : 1554790.3/19

1129.691+/-0.284 χ^2/NDF : 1461115.4/21

asym_sam_2468_avg_mean vs Slug



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 338.742+/-557.174 χ^2/NDF : 6.7/2

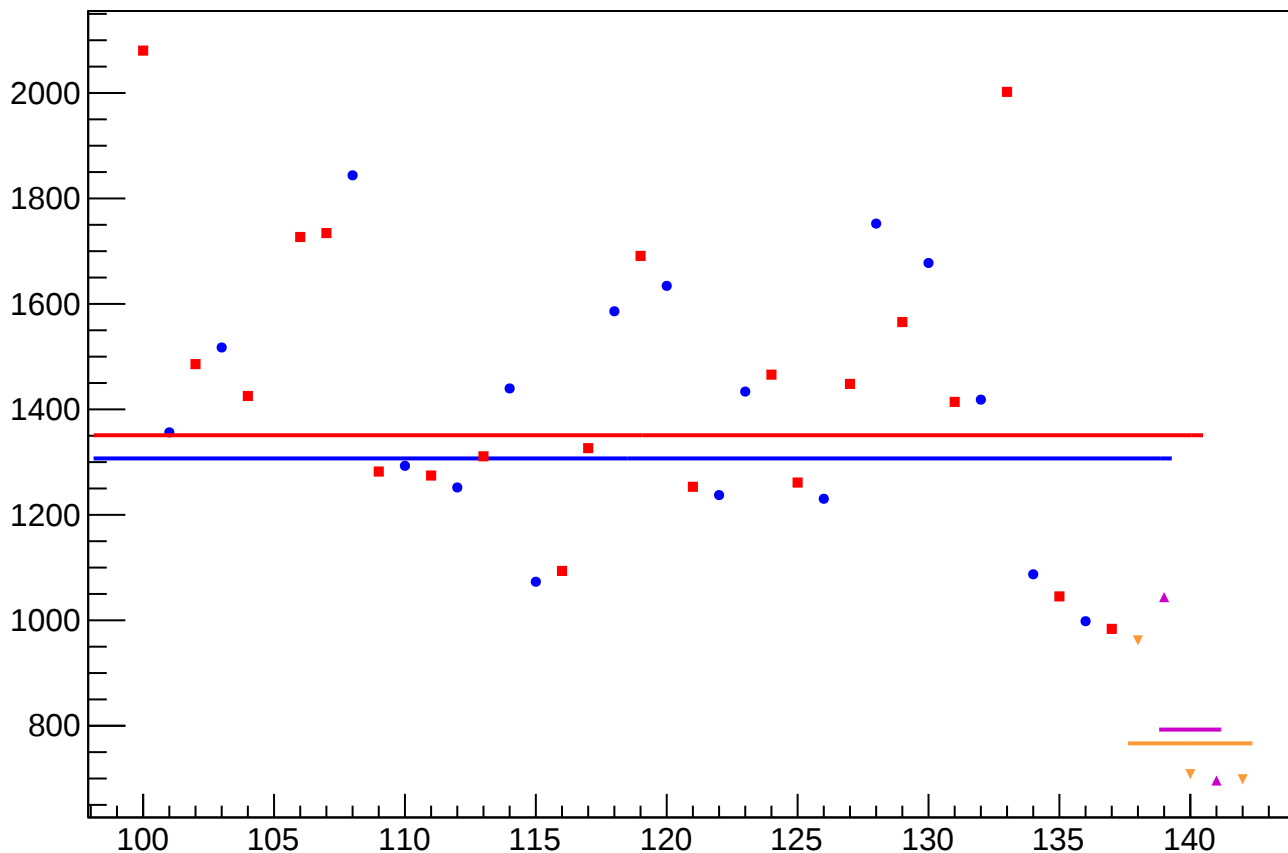
Right Out: 924.488+/-514.636 χ^2/NDF : 12.6/19

Left In: 607.163+/-647.070 χ^2/NDF : 1.8/1

490.764+/-379.570 χ^2/NDF : 28.8/19

801.537+/-402.779 χ^2/NDF : 14.6/21

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 766.631+/-0.394 χ^2/NDF : 77932.5/2

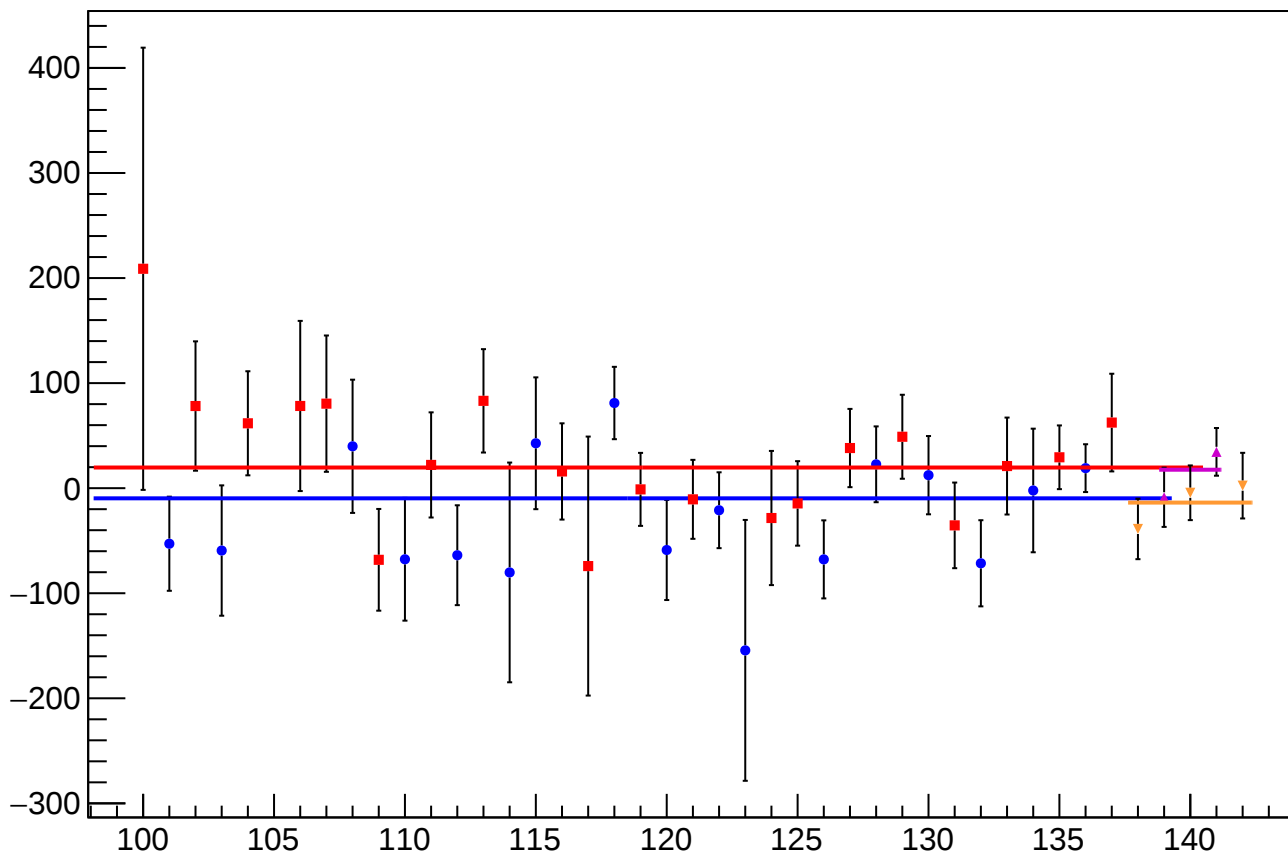
Right Out: 1350.936+/-0.364 χ^2/NDF : 421834.2/19

Left In: 792.772+/-0.458 χ^2/NDF : 115851.9/1

1056.210+/-0.268 χ^2/NDF : 1537193.2/19

1134.668+/-0.285 χ^2/NDF : 1449243.2/21

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 $\pm$ 10.408 χ^2/NDF : 22.6/16

Left Out: -13.721 $\pm$ 16.422 χ^2/NDF : 1.2/2

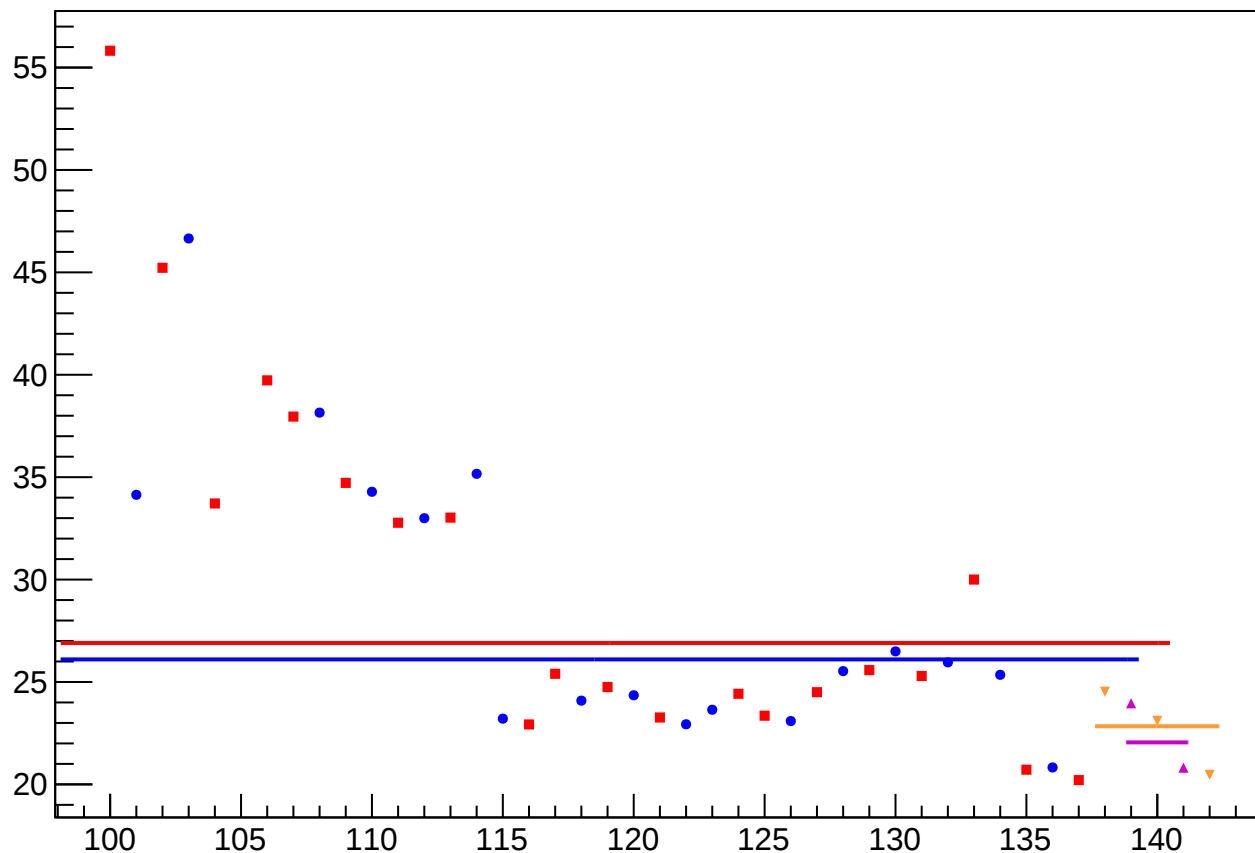
Right Out: 19.662 $\pm$ 10.406 χ^2/NDF : 15.2/19

Left In: 17.558 $\pm$ 17.679 χ^2/NDF : 1.4/1

-10.830 $\pm$ 8.791 χ^2/NDF : 23.8/19

19.120 $\pm$ 8.968 χ^2/NDF : 16.7/21

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 22.838+/-0.012 χ^2/NDF : 18642.8/2

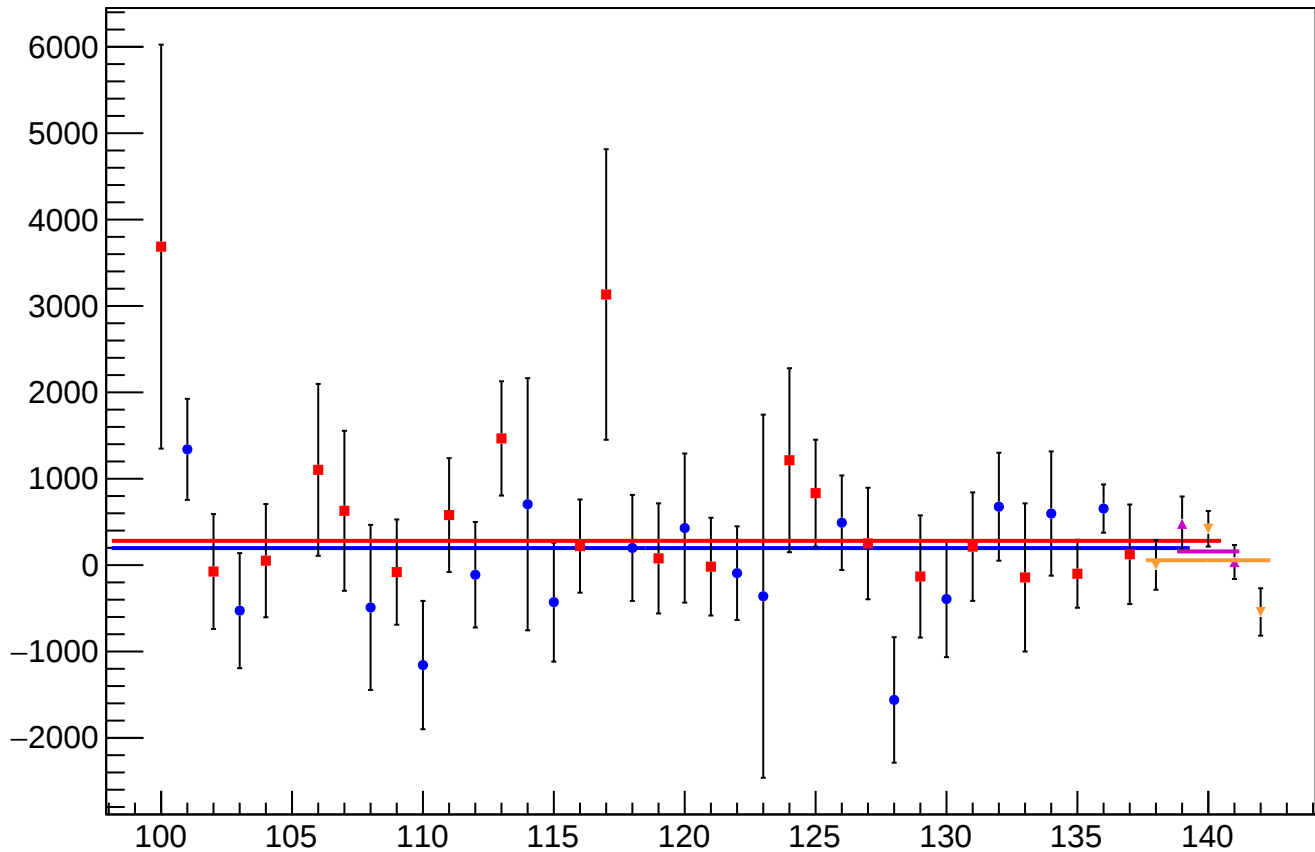
Right Out: 26.903+/-0.007 χ^2/NDF : 679269.9/19

Left In: 22.051+/-0.013 χ^2/NDF : 15095.1/1

25.167+/-0.006 χ^2/NDF : 679057.4/19

25.654+/-0.006 χ^2/NDF : 806241.8/21

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 56.380 ± 142.805 χ^2/NDF : 7.9/2

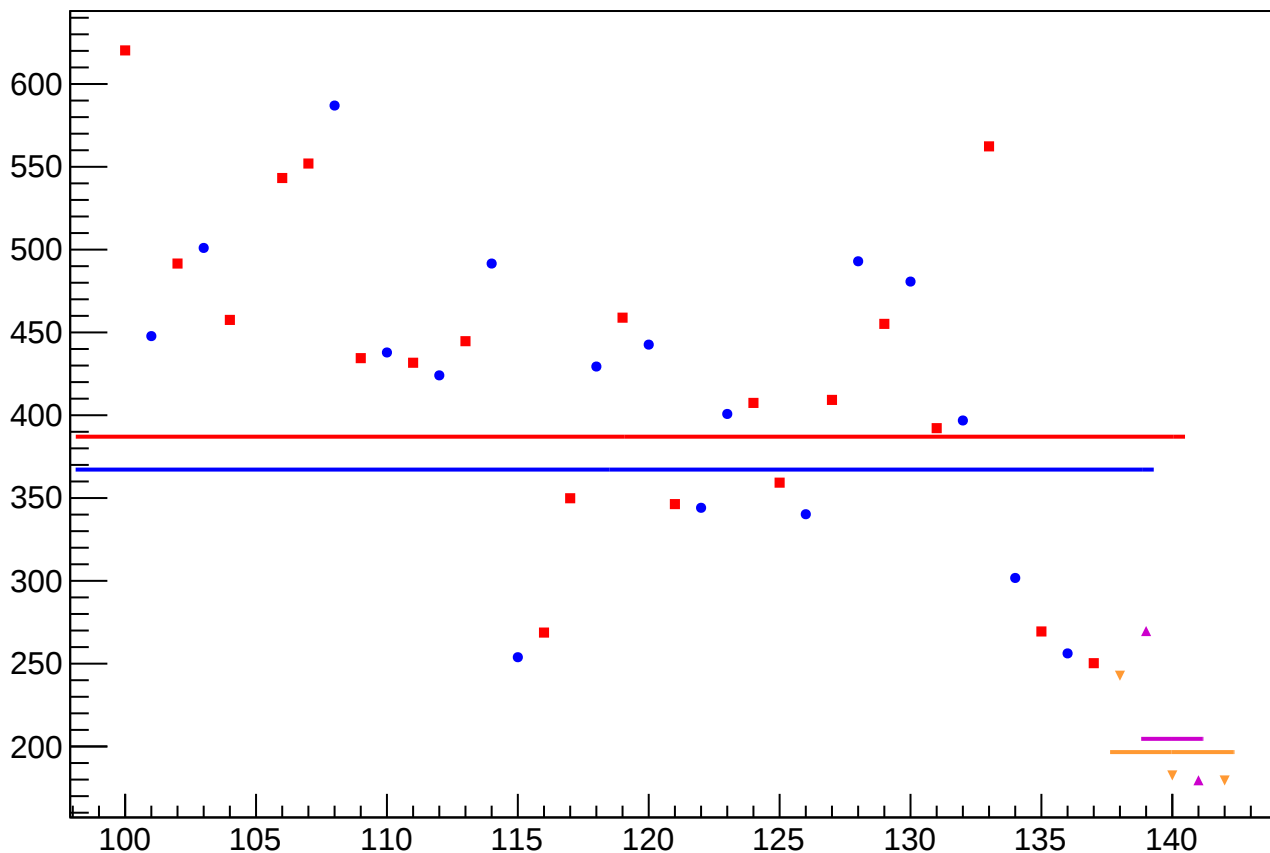
Right Out: 281.185 ± 149.275 χ^2/NDF : 13.6/19

Left In: 158.630 ± 167.002 χ^2/NDF : 1.4/1

124.392 ± 102.727 χ^2/NDF : 29.4/19

226.755 ± 111.295 χ^2/NDF : 15.3/21

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 +/- 0.105 χ^2/NDF : 827148.2/16

Left Out: 196.604 +/- 0.101 χ^2/NDF : 68861.3/2

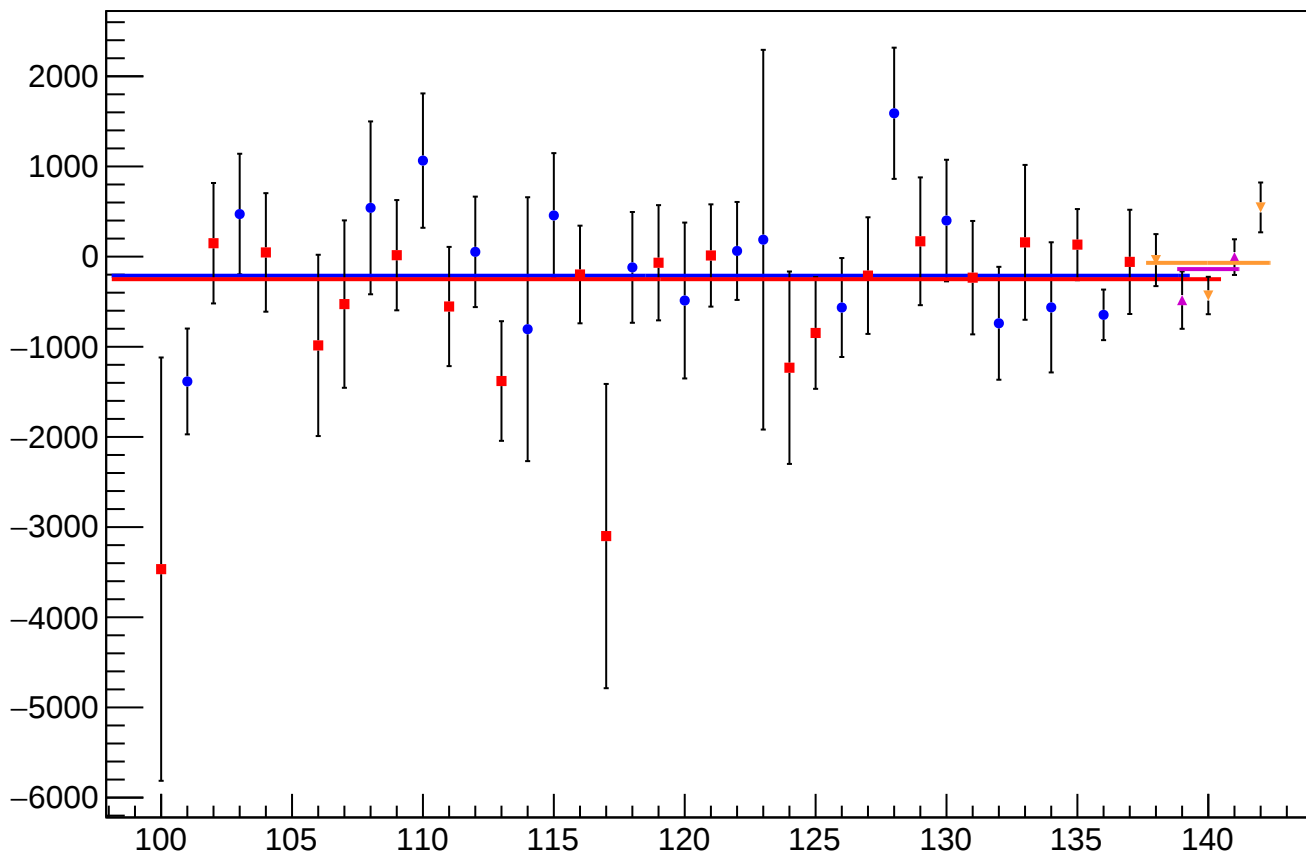
Right Out: 387.048 +/- 0.106 χ^2/NDF : 775547.5/19

Left In: 204.600 +/- 0.118 χ^2/NDF : 116738.8/1

278.913 +/- 0.073 χ^2/NDF : 2272930.2/19

306.018 +/- 0.079 χ^2/NDF : 2219204.5/21

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -69.051 ± 143.809 χ^2/NDF : 8.0/2

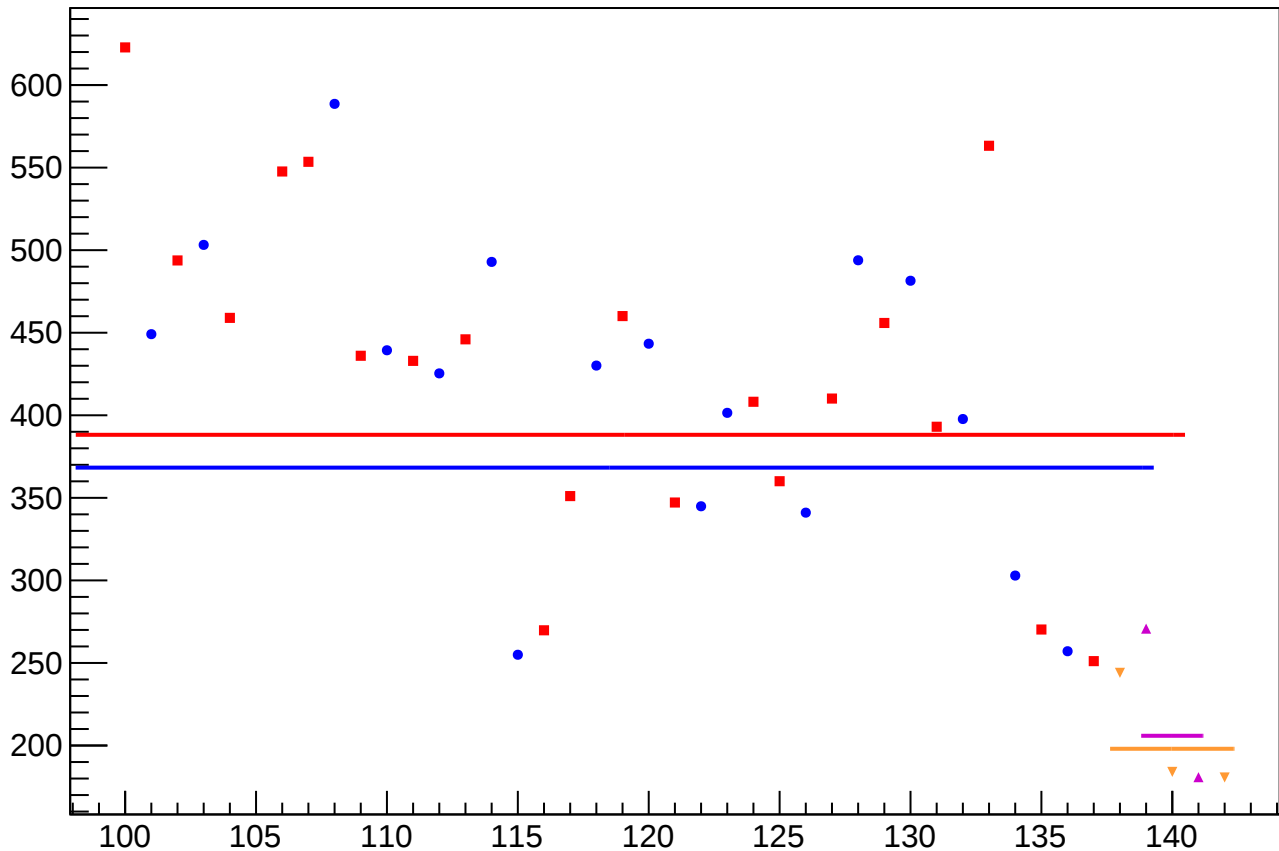
Right Out: -250.443 ± 149.724 χ^2/NDF : 12.9/19

Left In: -138.519 ± 168.012 χ^2/NDF : 1.6/1

-138.252 ± 103.245 χ^2/NDF : 29.5/19

-200.902 ± 111.779 χ^2/NDF : 14.8/21

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 198.029 $\pm$ 0.102 χ^2 /NDF: 67899.6/2

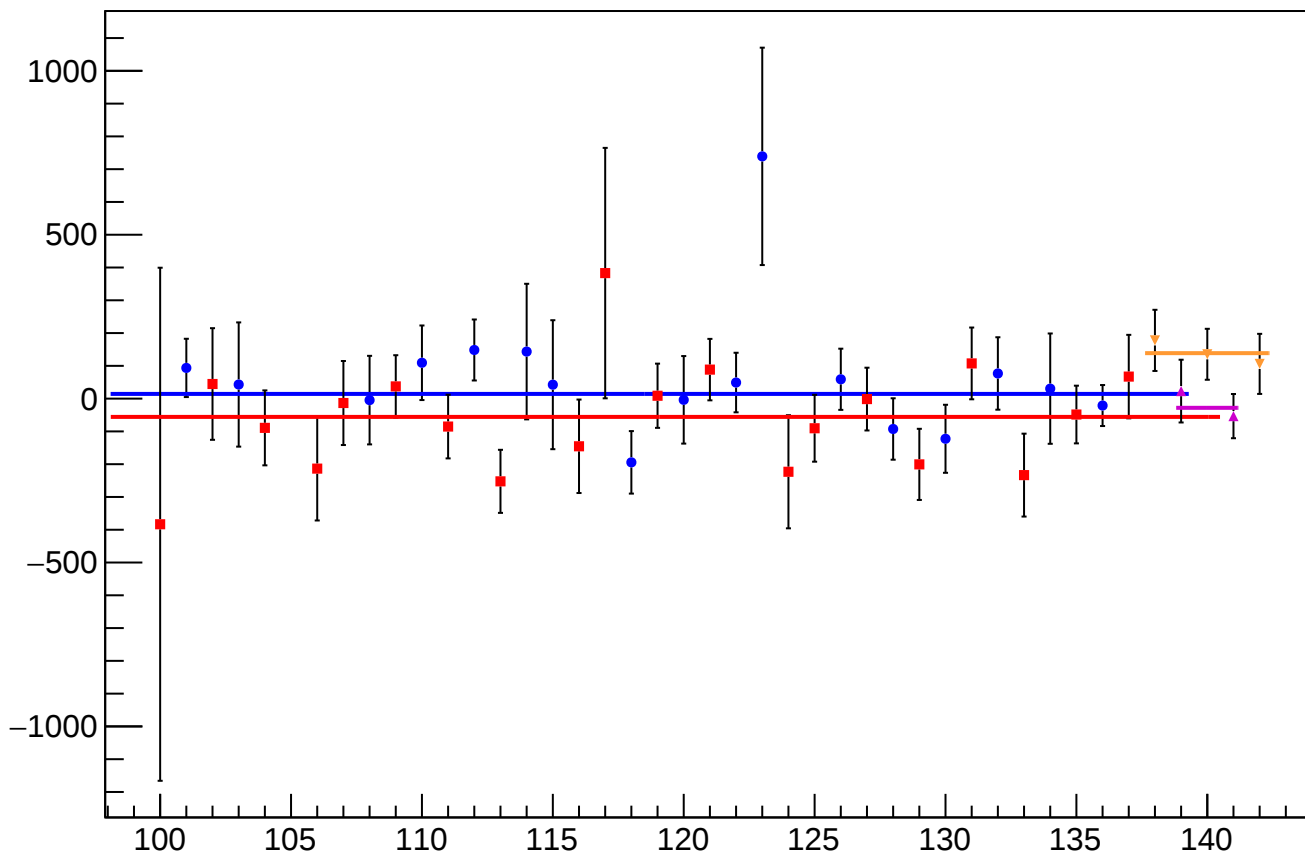
Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

Left In: 205.899 $\pm$ 0.119 χ^2 /NDF: 115269.7/1

280.539 $\pm$ 0.073 χ^2 /NDF: 2251167.6/19

307.496 $\pm$ 0.079 χ^2 /NDF: 2203053.0/21

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 138.751+/-50.031 χ^2/NDF : 0.3/2

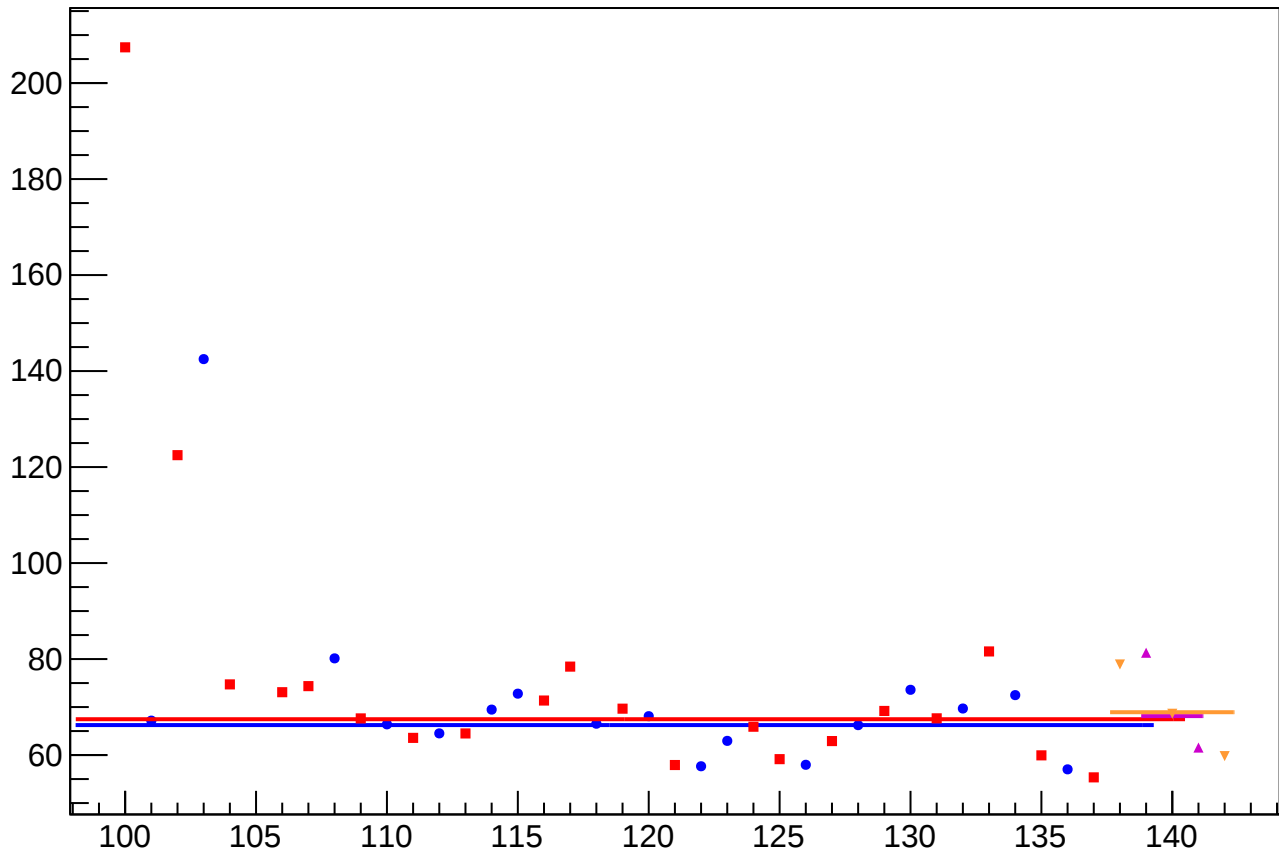
Right Out: -55.744+/-26.060 χ^2/NDF : 19.7/19

Left In: -28.048+/-55.122 χ^2/NDF : 0.4/1

41.365+/-23.303 χ^2/NDF : 22.8/19

-50.684+/-23.560 χ^2/NDF : 20.4/21

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247 ± 0.019 $\chi^2/\text{NDF}: 440944.2/16$

Left Out: 68.926 ± 0.035 $\chi^2/\text{NDF}: 42701.5/2$

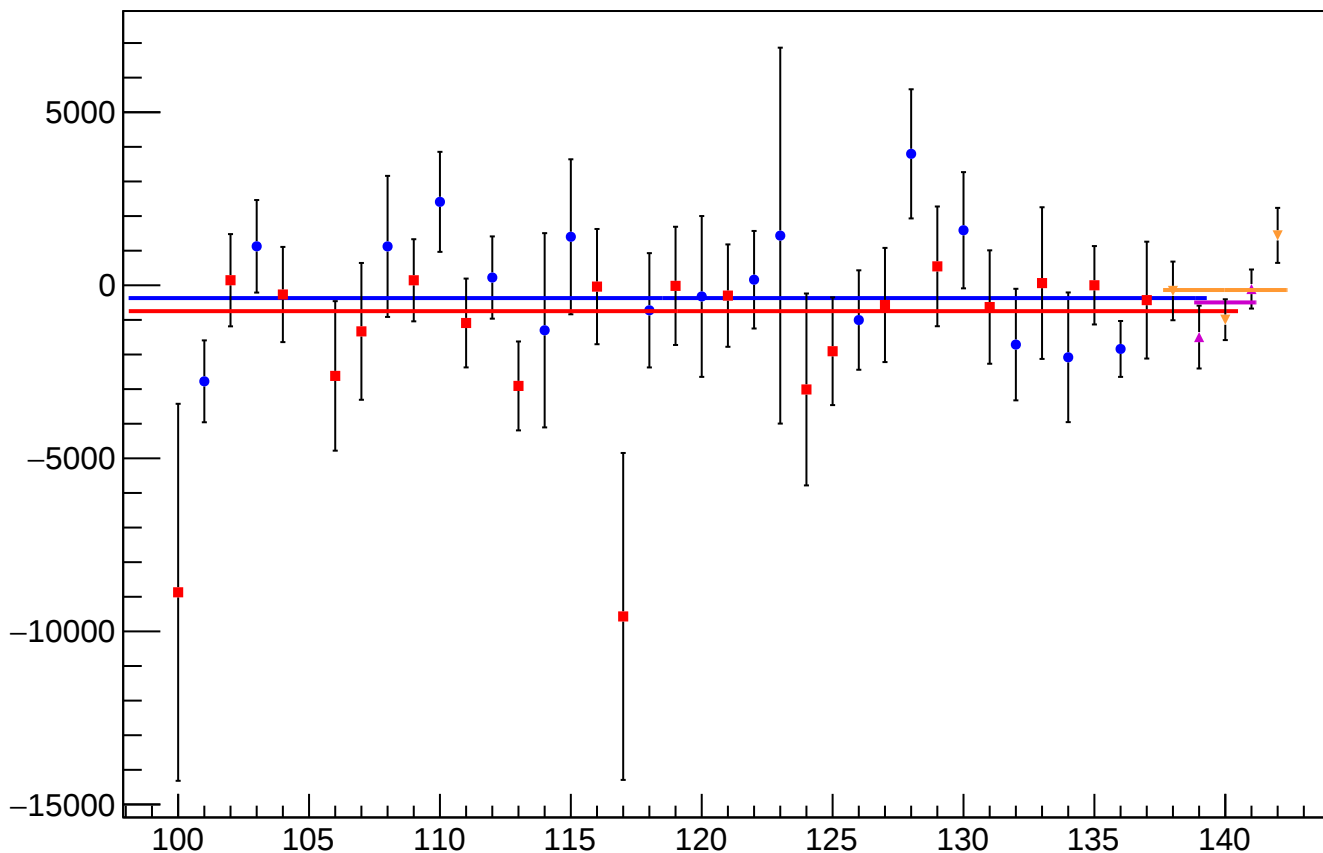
Right Out: 67.466 ± 0.018 $\chi^2/\text{NDF}: 395262.8/19$

Left In: 68.117 ± 0.039 $\chi^2/\text{NDF}: 56962.6/1$

66.828 ± 0.016 $\chi^2/\text{NDF}: 488135.9/19$

67.585 ± 0.017 $\chi^2/\text{NDF}: 452453.2/21$

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -136.487+/-413.392 χ^2/NDF : 6.1/2

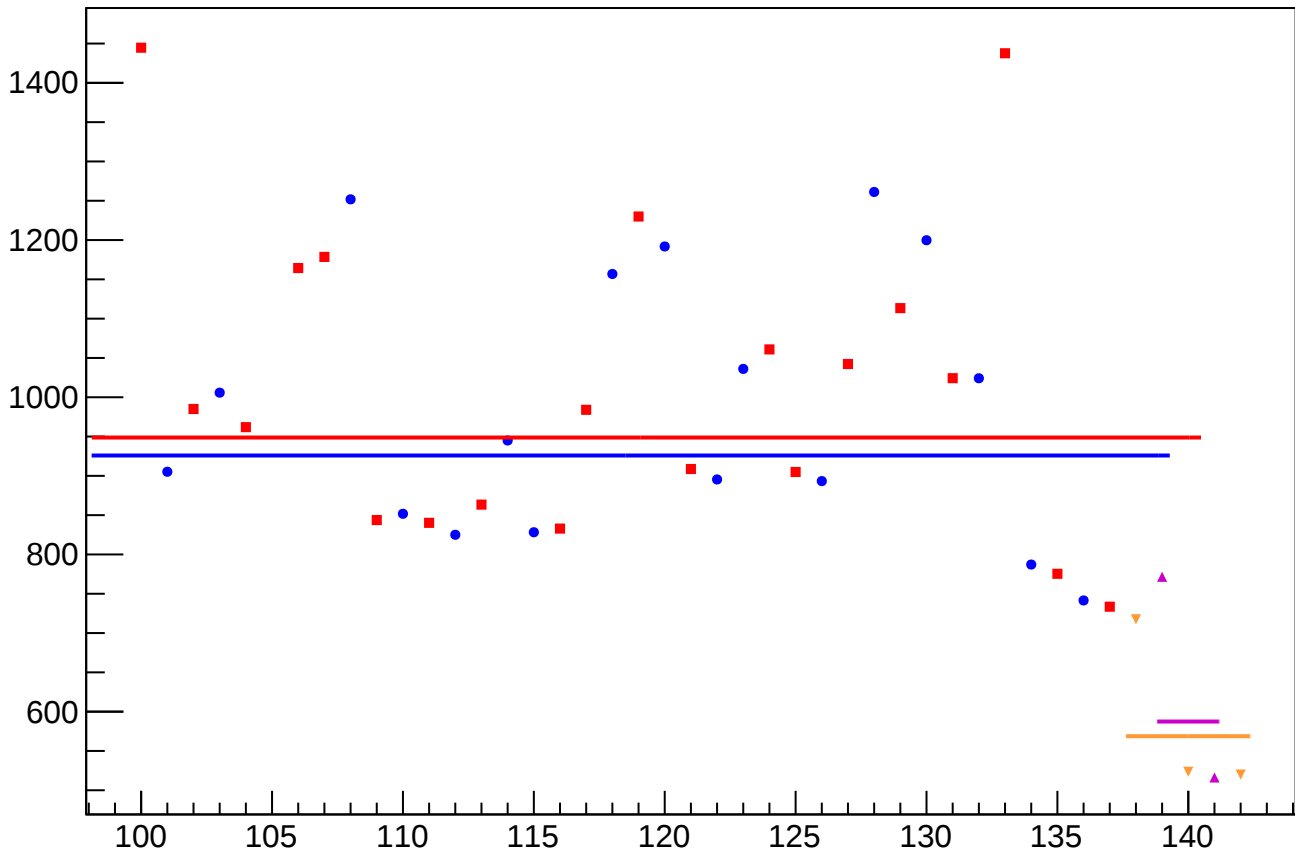
Right Out: -747.208+/-360.830 χ^2/NDF : 13.4/19

Left In: -494.944+/-479.334 χ^2/NDF : 1.7/1

-267.000+/-274.213 χ^2/NDF : 28.5/19

-655.963+/-288.280 χ^2/NDF : 15.3/21

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 568.758+/-0.292 χ^2/NDF : 80960.3/2

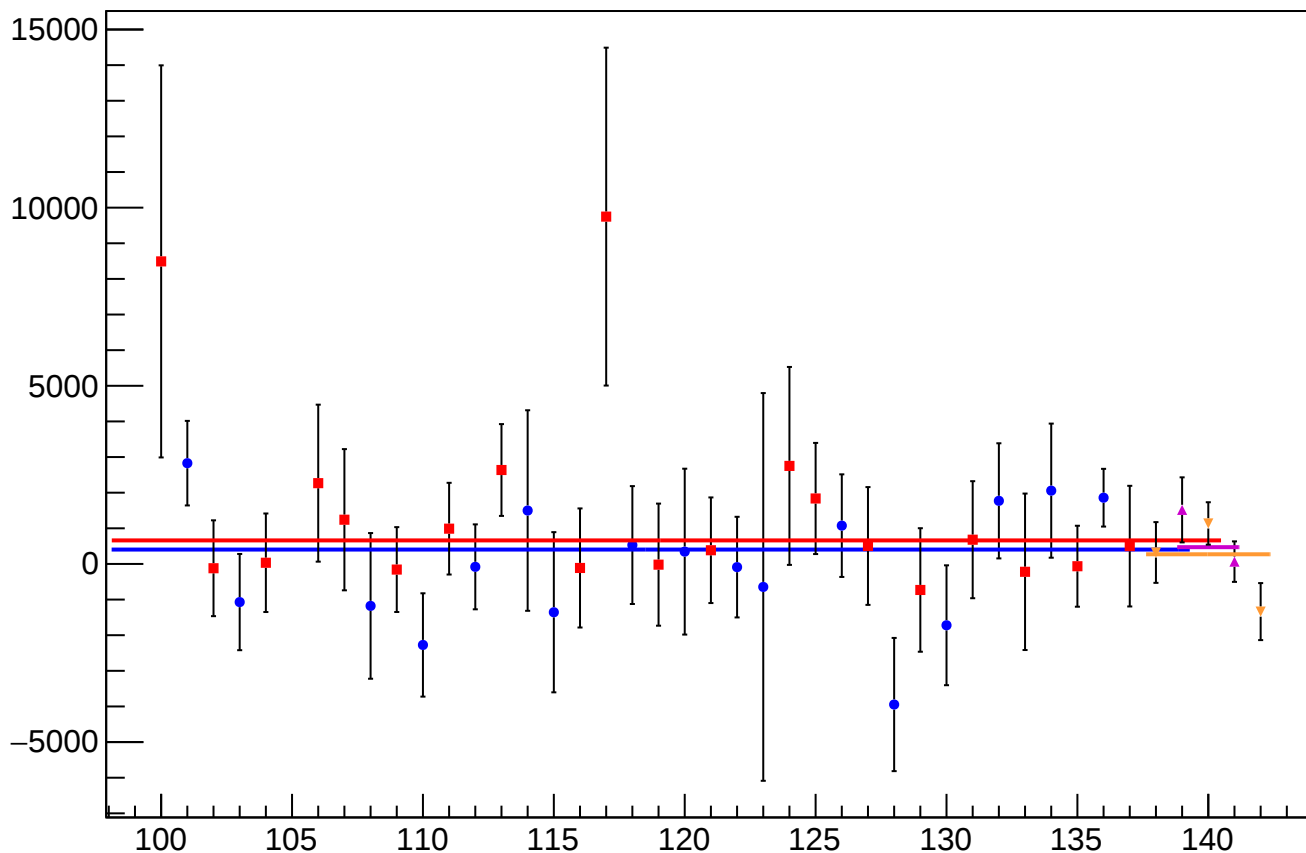
Right Out: 948.760+/-0.255 χ^2/NDF : 382044.0/19

Left In: 587.418+/-0.339 χ^2/NDF : 114086.8/1

768.749+/-0.194 χ^2/NDF : 1307917.1/19

818.061+/-0.204 χ^2/NDF : 1221591.1/21

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 271.250+/-416.572 χ^2/NDF : 6.2/2

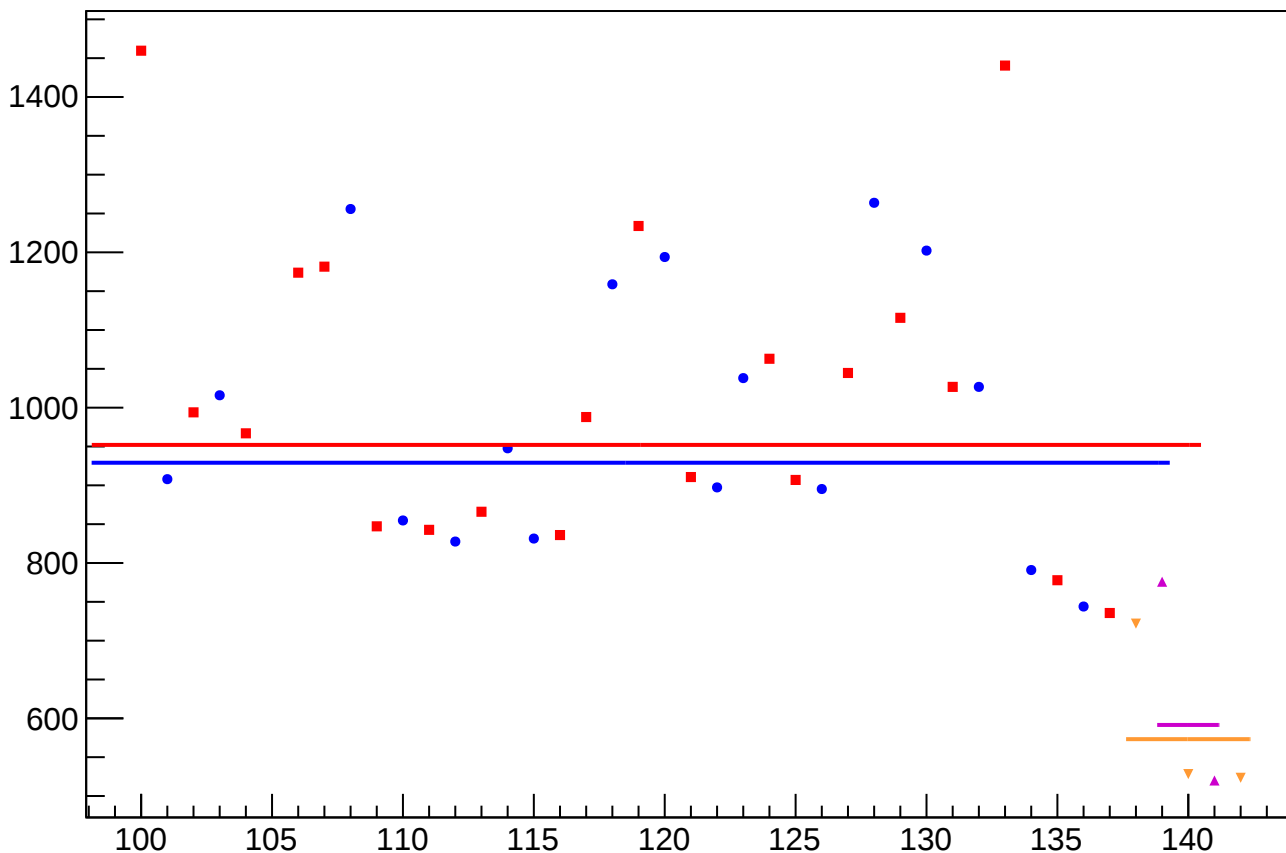
Right Out: 660.630+/-362.265 χ^2/NDF : 12.5/19

Left In: 470.813+/-482.588 χ^2/NDF : 1.8/1

345.638+/-275.665 χ^2/NDF : 28.6/19

592.218+/-289.719 χ^2/NDF : 14.4/21

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 573.196+/-0.295 χ^2/NDF : 80050.8/2

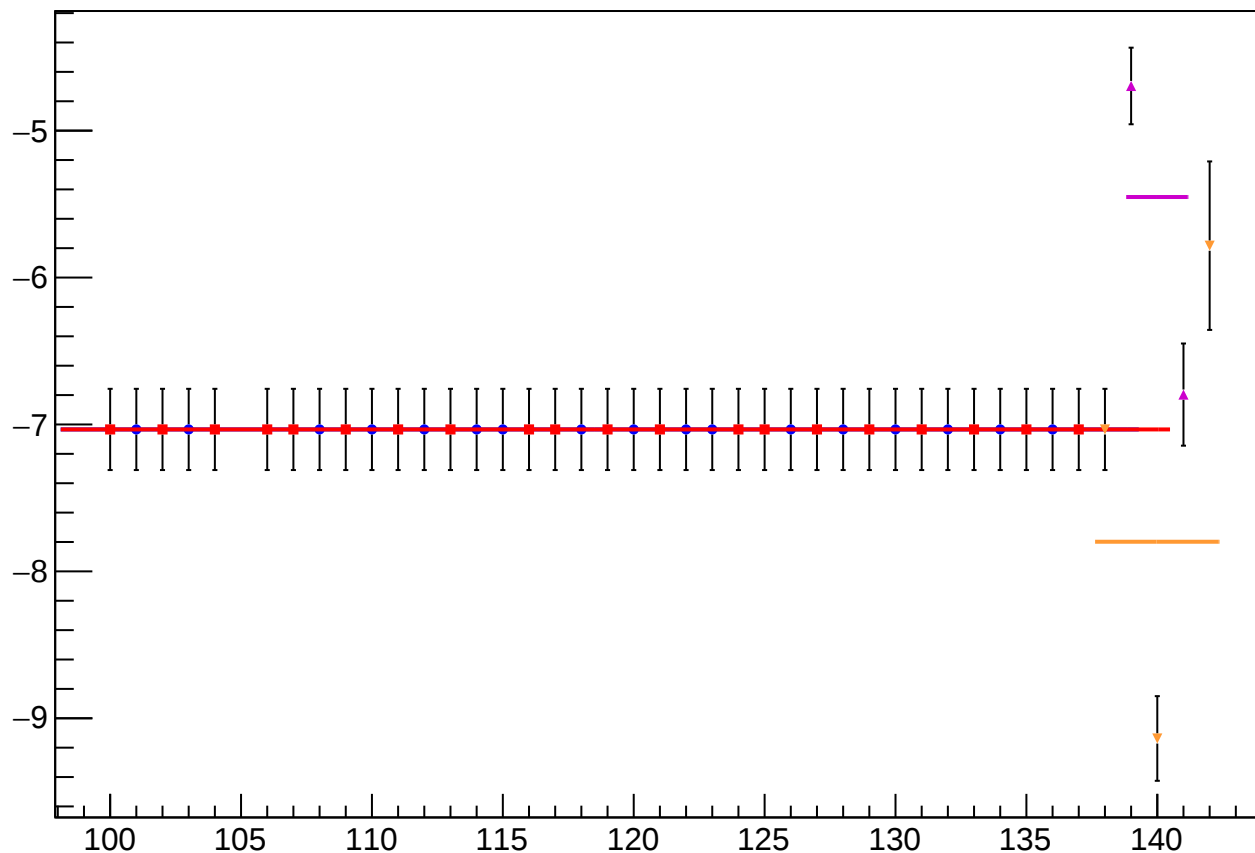
Right Out: 952.057+/-0.256 χ^2/NDF : 382334.5/19

Left In: 591.492+/-0.341 χ^2/NDF : 113247.9/1

773.245+/-0.195 χ^2/NDF : 1290909.6/19

822.105+/-0.205 χ^2/NDF : 1209657.4/21

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -7.034 $\pm$ 0.067 χ^2 /NDF: 0.0/16

Left Out: -7.798 $\pm$ 0.188 χ^2 /NDF:41.6/2

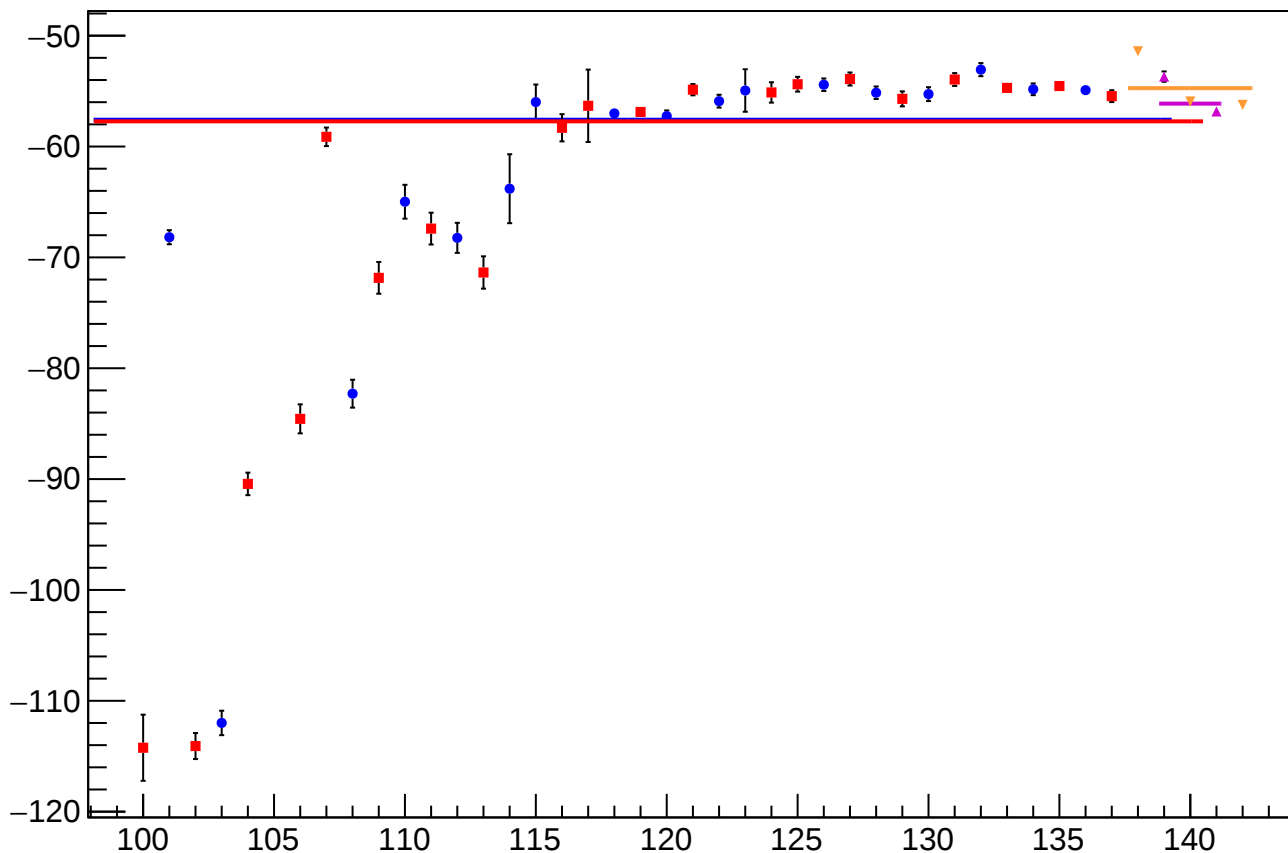
Right Out: -7.034 $\pm$ 0.062 χ^2 /NDF: 0.0/19

Left In: -5.452 $\pm$ 0.209 χ^2 /NDF:23.4/1

-7.120 $\pm$ 0.063 χ^2 /NDF: 56.2/19

-6.906 $\pm$ 0.059 χ^2 /NDF: 76.3/21

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581+/-0.143 χ^2/NDF : 3455.5/16

Left Out: -54.733+/-0.171 χ^2/NDF :148.7/2

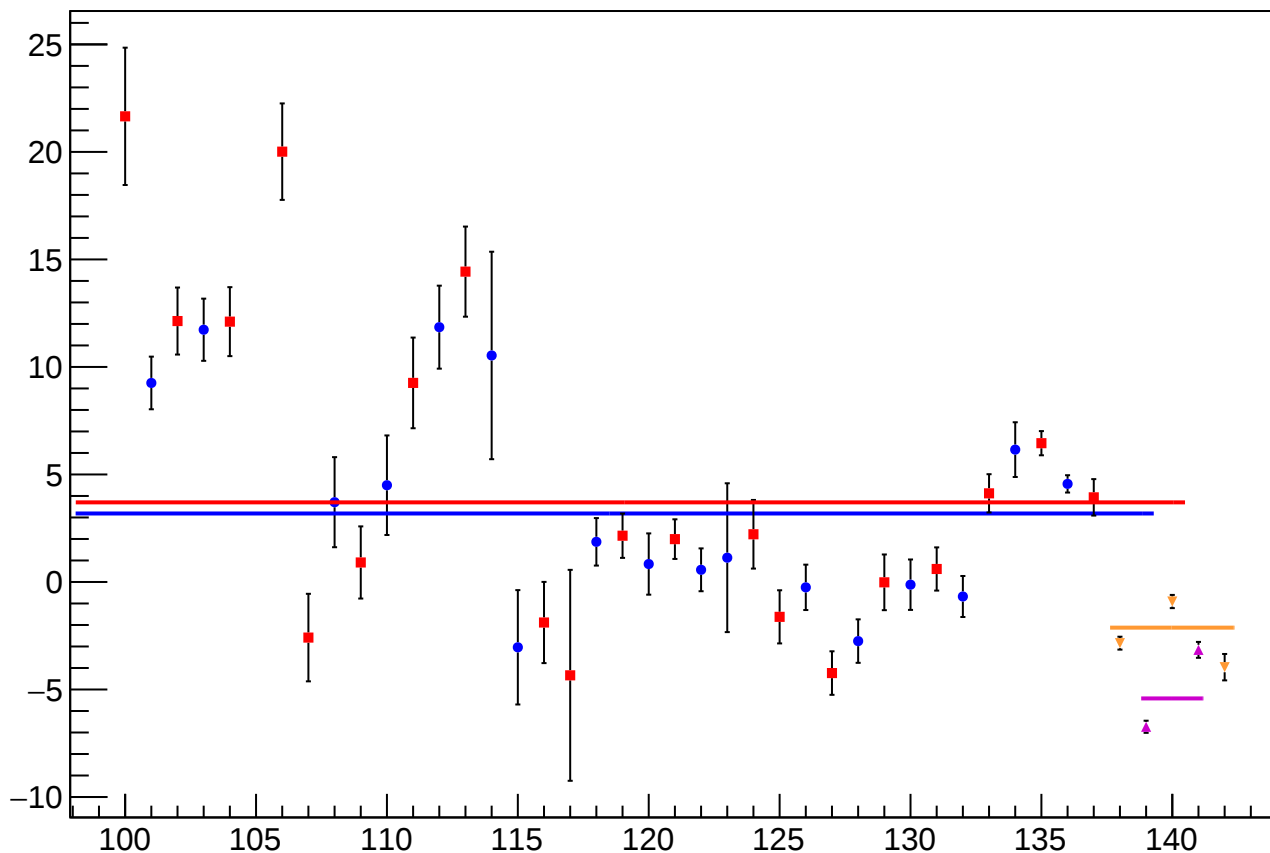
Right Out: -57.730+/-0.143 χ^2/NDF : 4698.7/19

Left In: -56.129+/-0.221 χ^2/NDF :35.2/1

-56.405+/-0.110 χ^2/NDF : 3767.8/19

-57.258+/-0.120 χ^2/NDF : 4770.9/21

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185+/-0.259 χ^2/NDF : 185.8/16

Left Out: -2.123+/-0.203 χ^2/NDF : 30.4/2

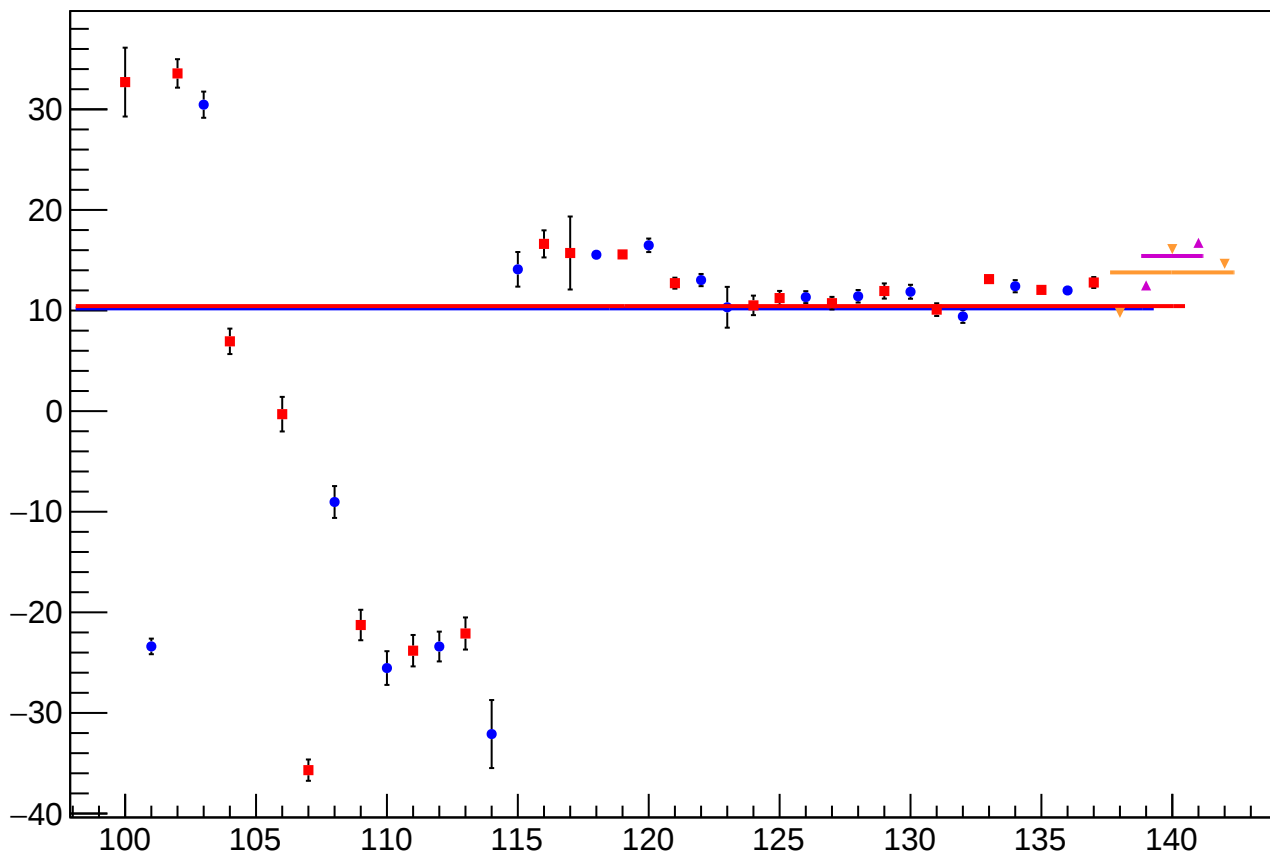
Right Out: 3.702+/-0.267 χ^2/NDF : 326.8/19

Left In: -5.416+/-0.225 χ^2/NDF : 59.1/1

-0.108+/-0.160 χ^2/NDF : 476.9/19

-1.641+/-0.172 χ^2/NDF : 1068.6/21

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 13.790+/-0.199 χ^2/NDF :197.6/2

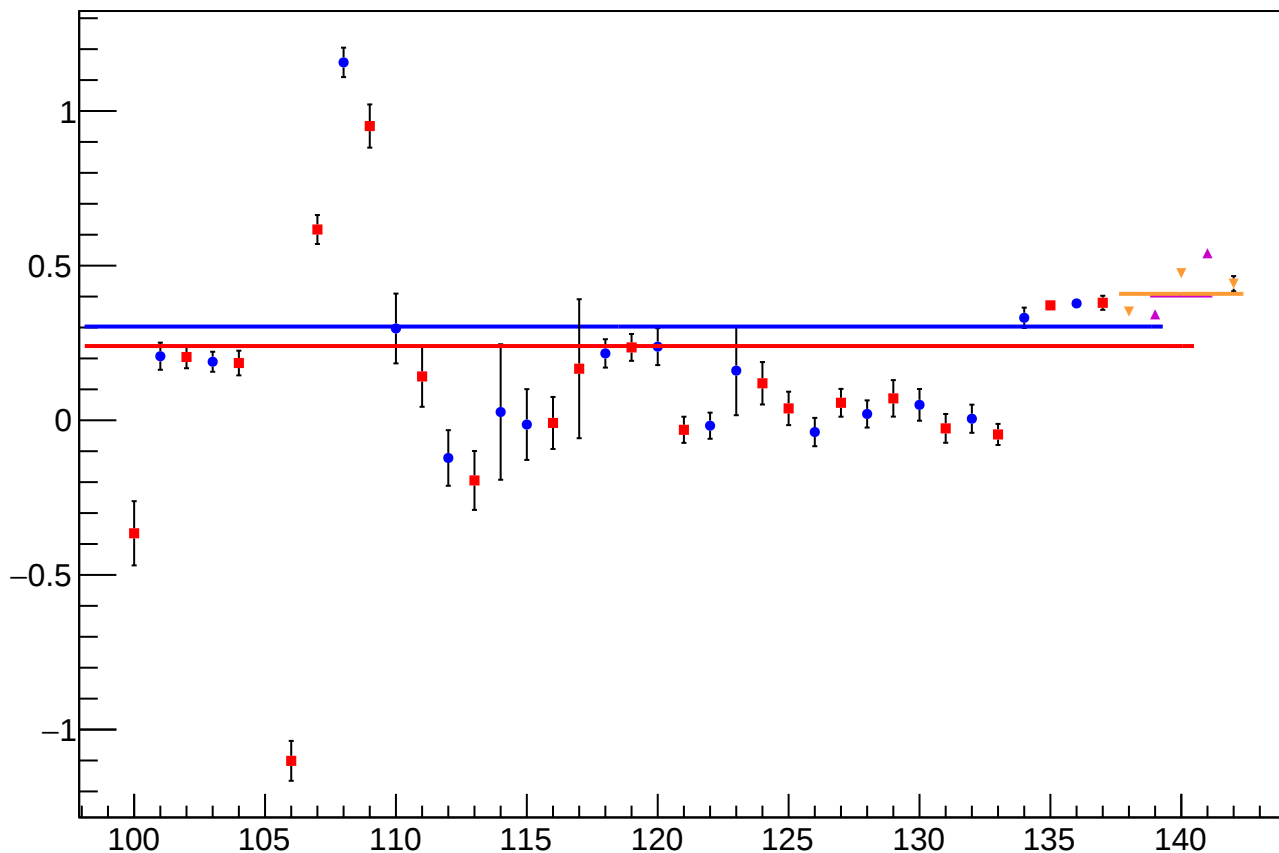
Right Out: 10.440+/-0.160 χ^2/NDF : 3829.1/19

Left In: 15.422+/-0.249 χ^2/NDF :61.6/1

11.595+/-0.124 χ^2/NDF : 4087.5/19

11.891+/-0.135 χ^2/NDF : 4173.3/21

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303+/-0.008 χ^2/NDF : 646.3/16

Left Out: 0.409+/-0.008 χ^2/NDF : 51.7/2

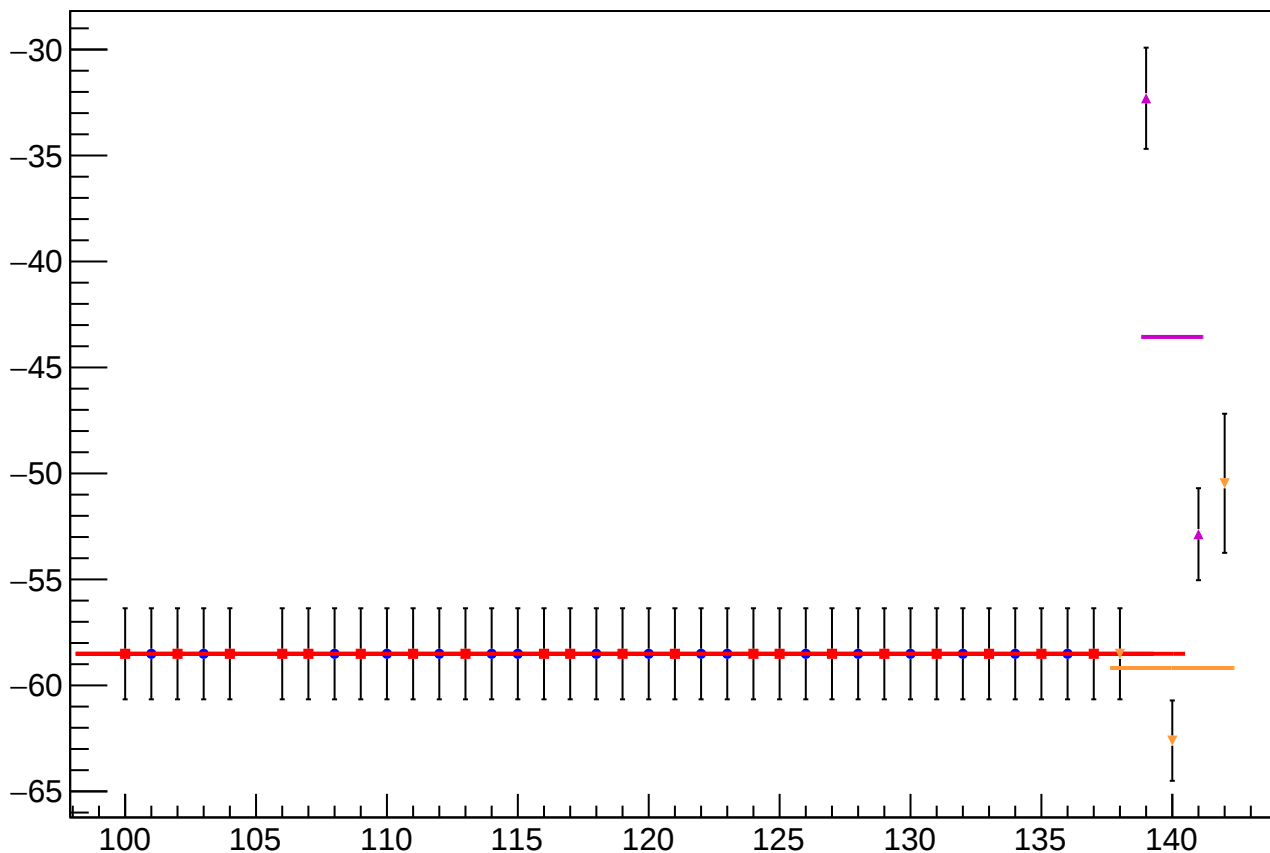
Right Out: 0.240+/-0.009 χ^2/NDF : 984.5/19

Left In: 0.403+/-0.008 χ^2/NDF : 122.2/1

0.356+/-0.006 χ^2/NDF : 781.1/19

0.324+/-0.006 χ^2/NDF : 1296.4/21

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -58.509+/-0.521 χ^2/NDF : 0.0/16

Left Out: -59.178+/-1.304 χ^2/NDF : 10.4/2

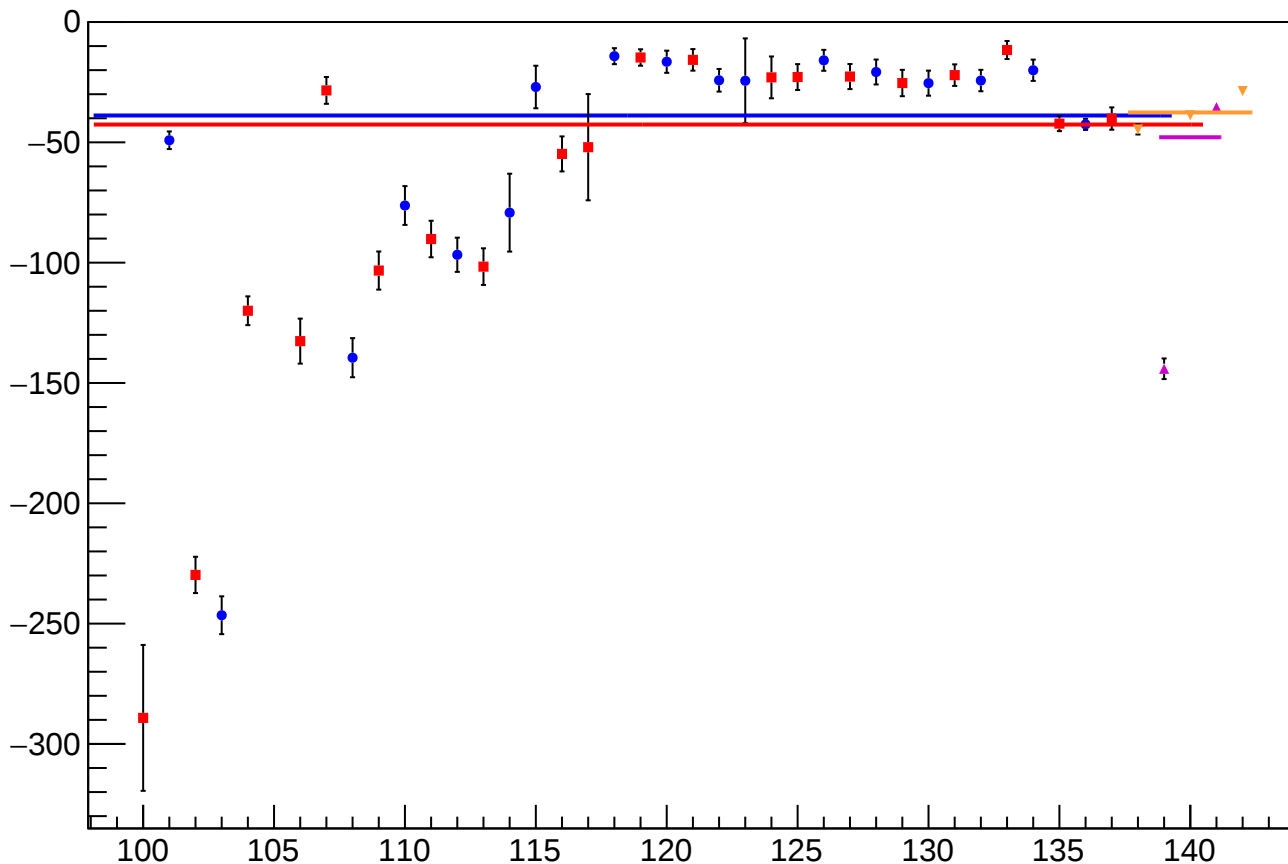
Right Out: -58.509+/-0.480 χ^2/NDF : 0.0/19

Left In: -43.560+/-1.606 χ^2/NDF : 40.6/1

-58.601+/-0.484 χ^2/NDF : 10.6/19

-57.282+/-0.460 χ^2/NDF : 120.2/21

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -37.590 ± 1.068 $\chi^2/\text{NDF}: 30.2/2$

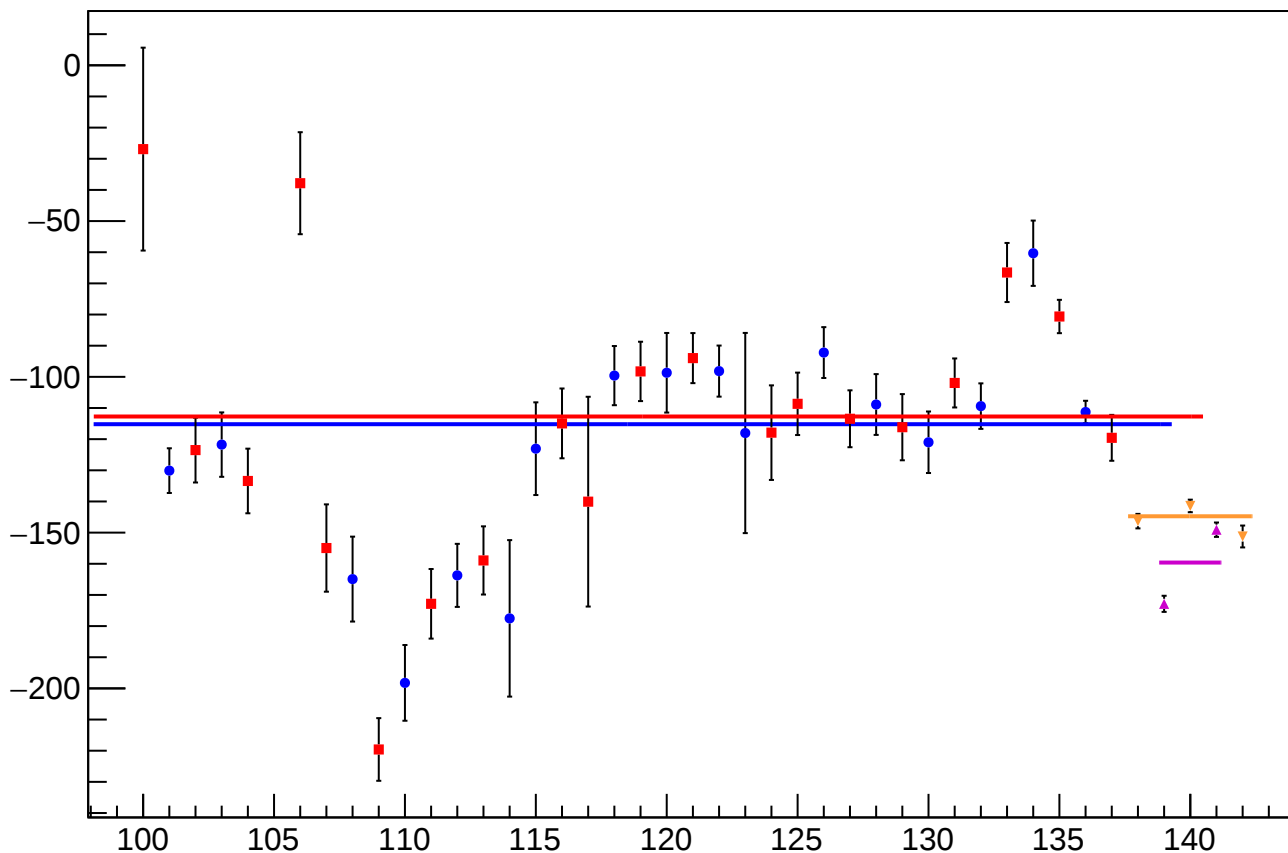
Right Out: -42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

Left In: -47.890 ± 1.452 $\chi^2/\text{NDF}: 570.5/1$

-38.172 ± 0.782 $\chi^2/\text{NDF}: 1152.7/19$

-44.773 ± 0.929 $\chi^2/\text{NDF}: 1924.1/21$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -144.752 ± 1.399 $\chi^2/\text{NDF}: 6.6/2$

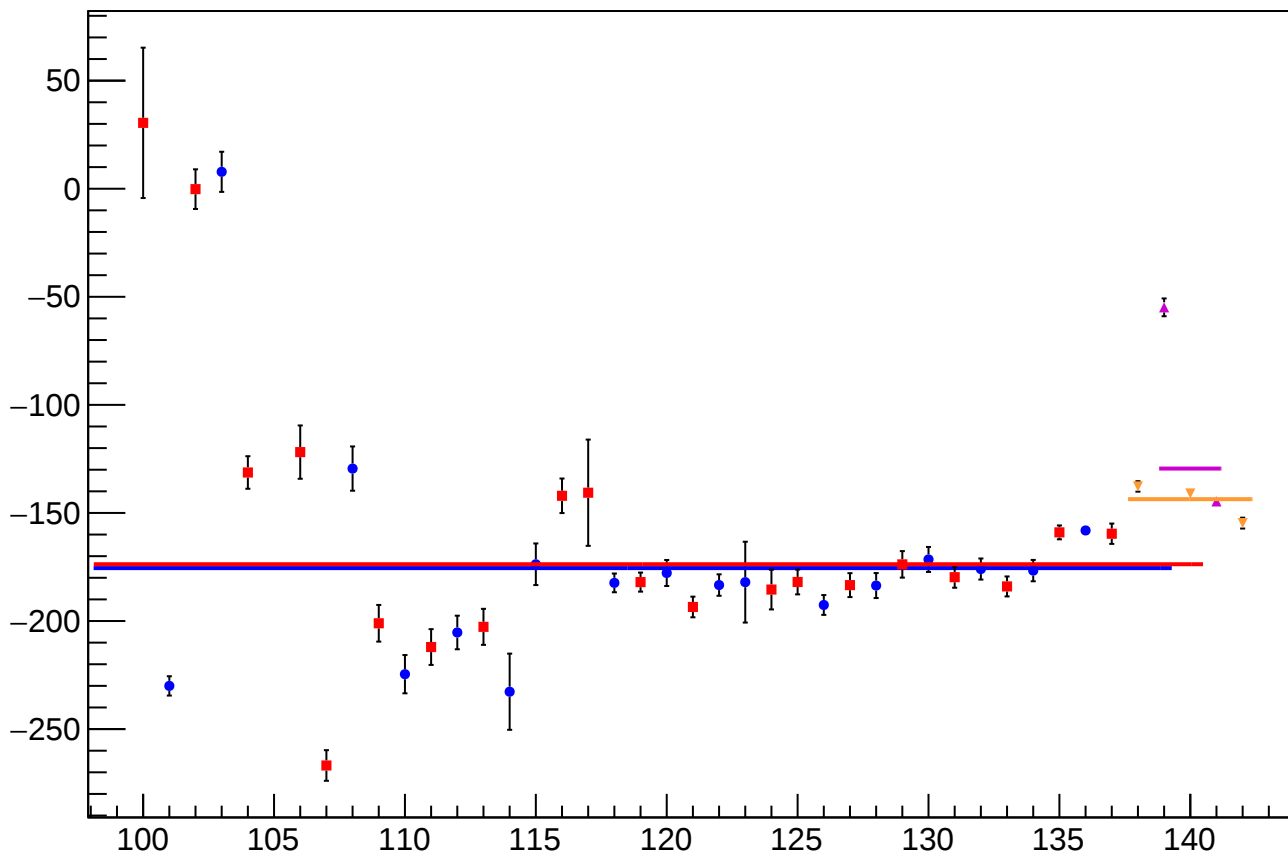
Right Out: -112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

Left In: -159.609 ± 1.722 $\chi^2/\text{NDF}: 47.1/1$

-135.555 ± 1.161 $\chi^2/\text{NDF}: 286.2/19$

-141.844 ± 1.357 $\chi^2/\text{NDF}: 601.0/21$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -143.626 ± 1.276 χ^2/NDF : 27.3/2

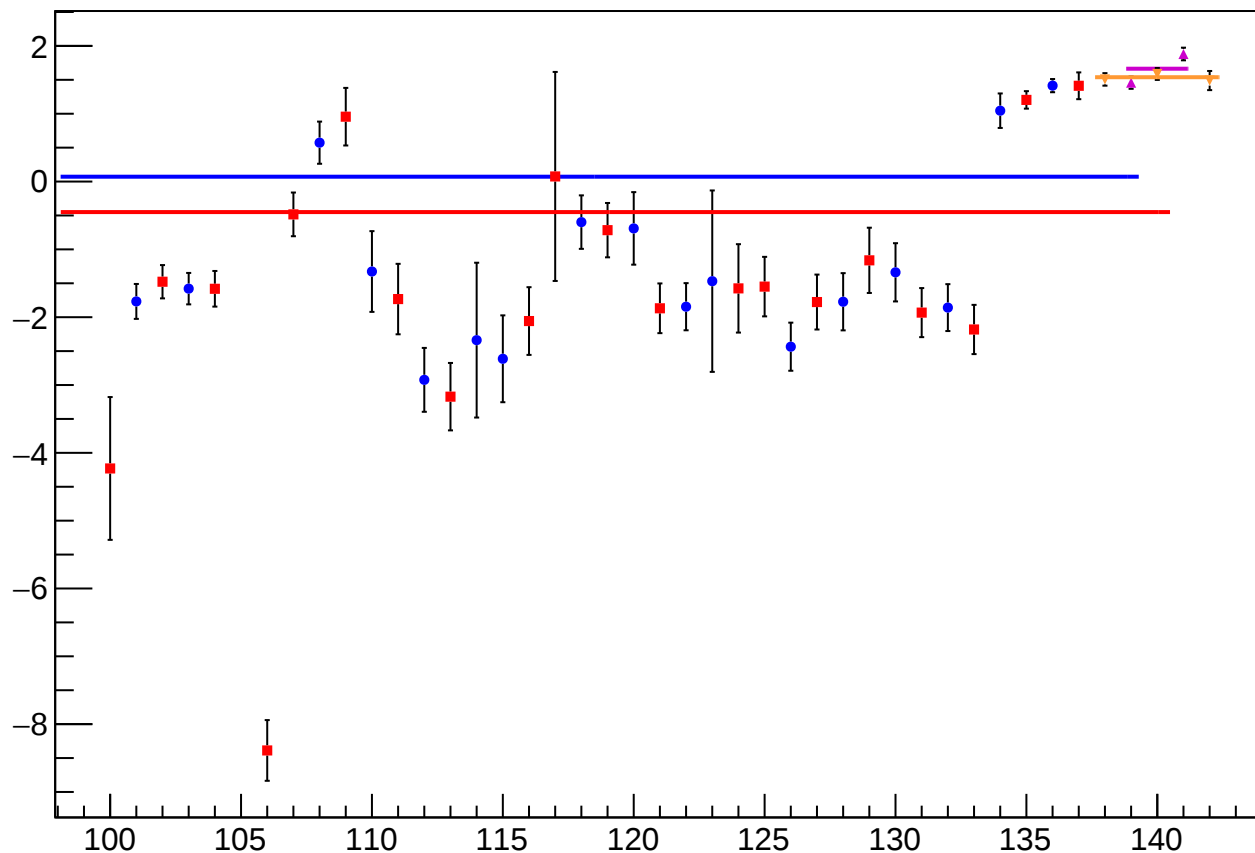
Right Out: -173.729 ± 1.354 χ^2/NDF : 739.7/19

Left In: -129.466 ± 1.695 χ^2/NDF : 394.5/1

-159.558 ± 0.903 χ^2/NDF : 1031.8/19

-156.484 ± 1.058 χ^2/NDF : 1550.2/21

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 $\pm$ 0.067 χ^2 /NDF: 525.2/16

Left Out: 1.538 $\pm$ 0.058 χ^2 /NDF: 0.5/2

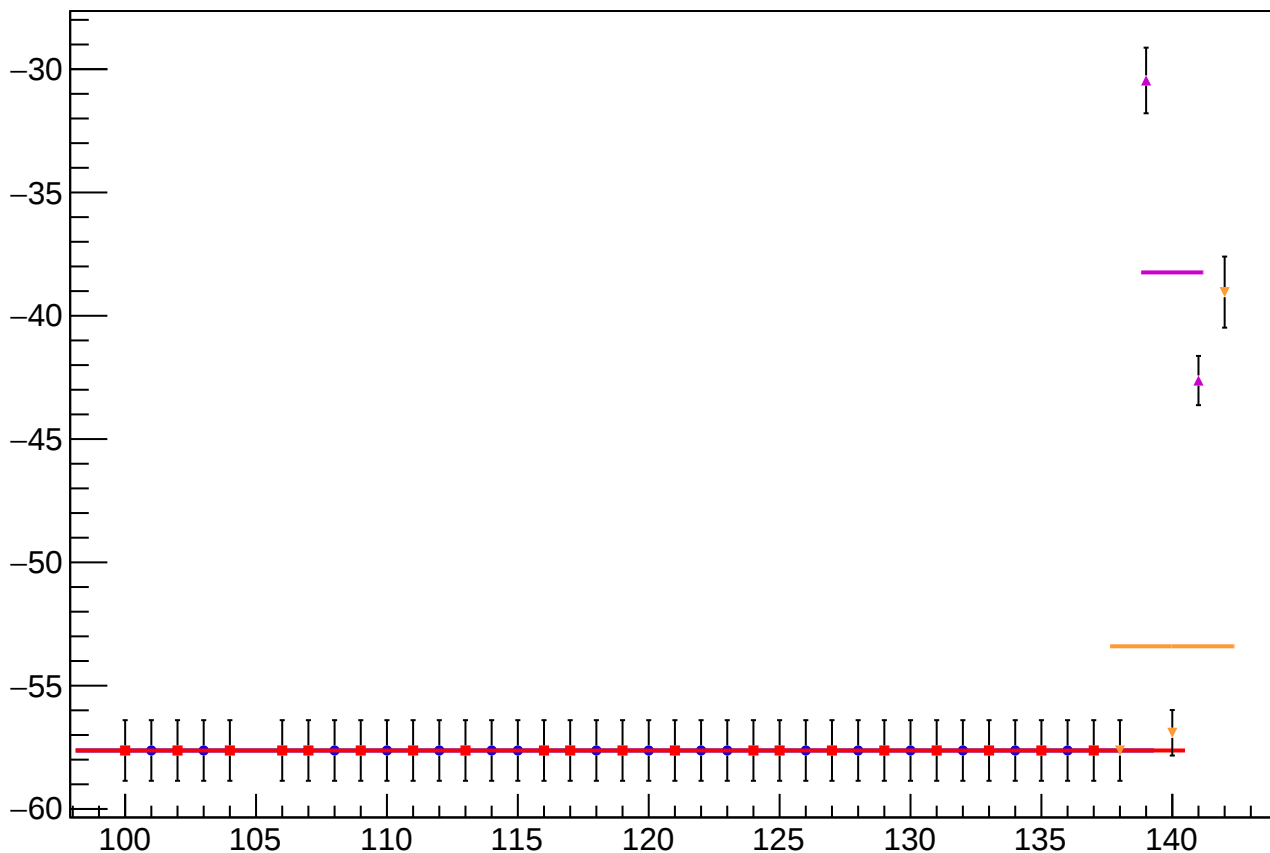
Right Out: -0.450 $\pm$ 0.071 χ^2 /NDF: 751.4/19

Left In: 1.664 $\pm$ 0.065 χ^2 /NDF: 10.5/1

0.911 $\pm$ 0.044 χ^2 /NDF: 798.8/19

0.702 $\pm$ 0.048 χ^2 /NDF: 1241.6/21

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -57.628 $\pm$ 0.298 χ^2 /NDF: 0.0/16

Left Out: -53.403 $\pm$ 0.657 χ^2 /NDF:125.6/2

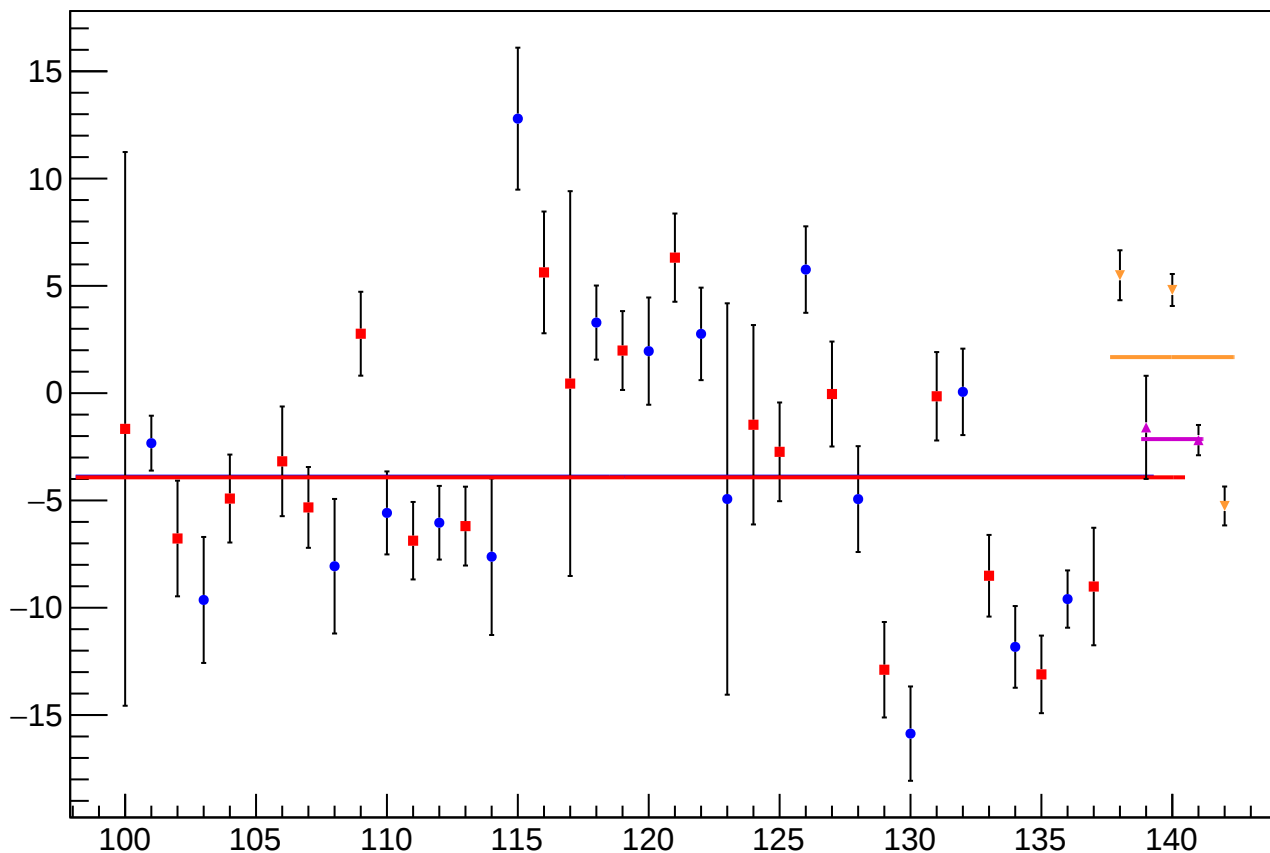
Right Out: -57.628 $\pm$ 0.275 χ^2 /NDF: 0.0/19

Left In: -38.242 $\pm$ 0.798 χ^2 /NDF:53.5/1

-56.906 $\pm$ 0.272 χ^2 /NDF: 159.9/19

-55.574 $\pm$ 0.260 χ^2 /NDF: 580.6/21

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: 1.680 ± 0.516 $\chi^2/\text{NDF}: 86.9/2$

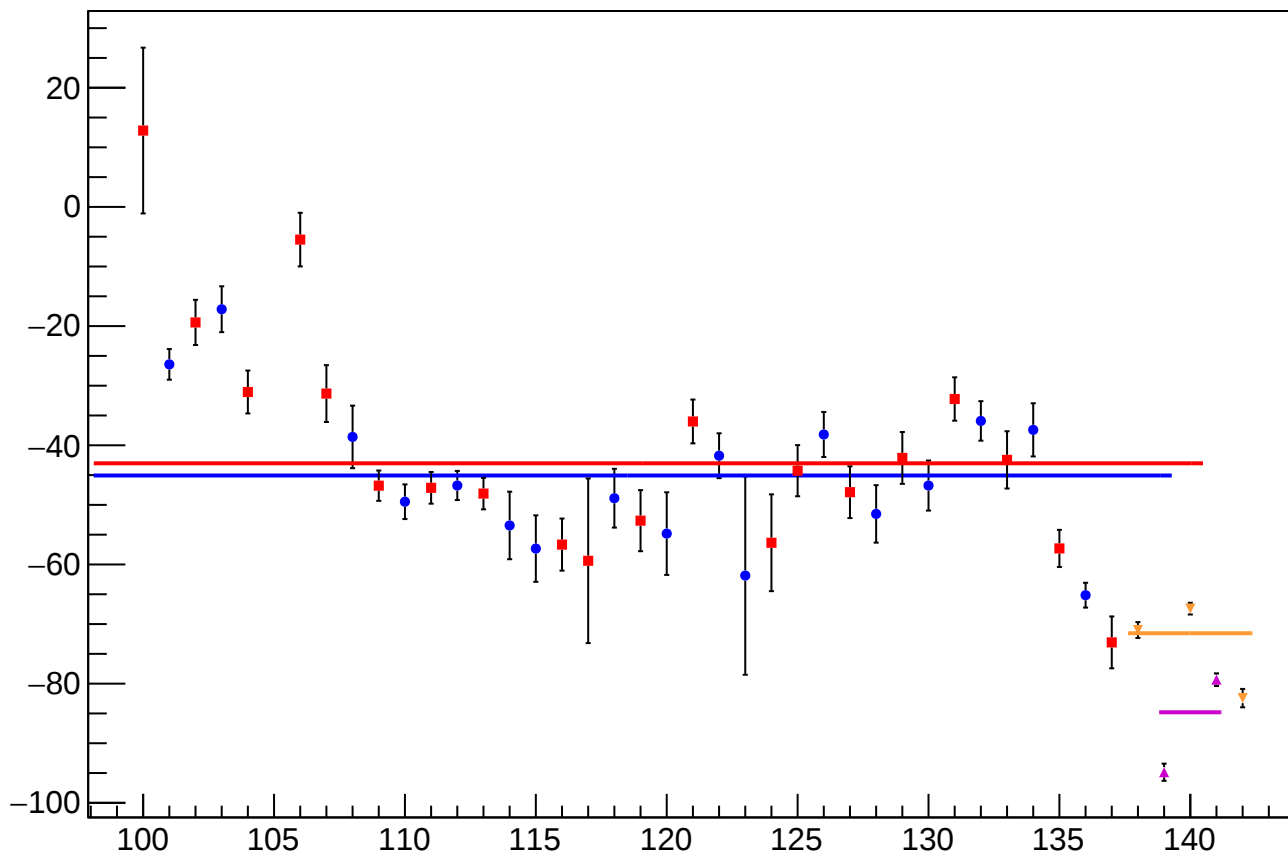
Right Out: -3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

Left In: -2.141 ± 0.677 $\chi^2/\text{NDF}: 0.1/1$

-1.202 ± 0.358 $\chi^2/\text{NDF}: 307.7/19$

-3.285 ± 0.405 $\chi^2/\text{NDF}: 126.9/21$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -71.539 ± 0.704 χ^2/NDF : 67.6/2

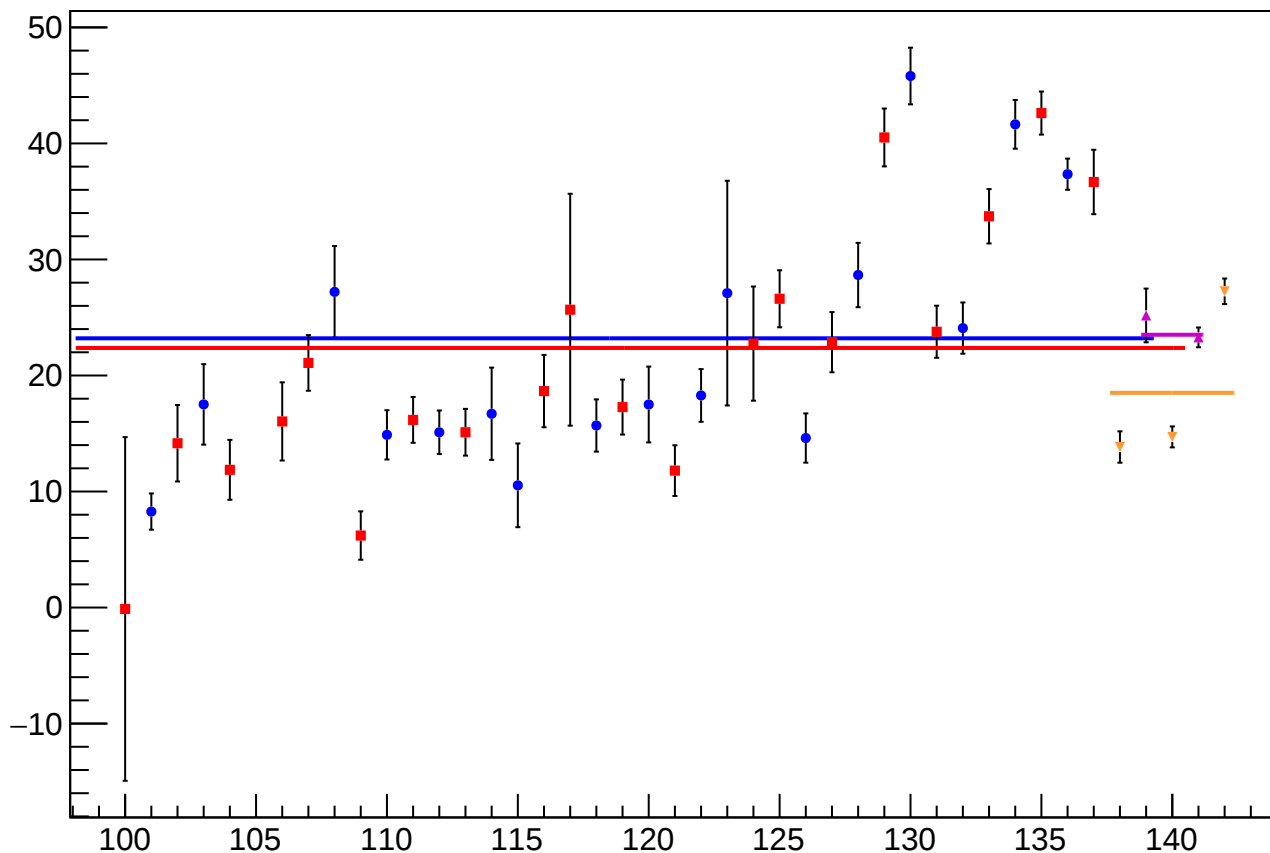
Right Out: -43.025 ± 0.876 χ^2/NDF : 249.7/19

Left In: -84.807 ± 0.854 χ^2/NDF : 75.4/1

-61.266 ± 0.550 χ^2/NDF : 846.7/19

-64.441 ± 0.612 χ^2/NDF : 1490.9/21

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205±/0.559 χ^2/NDF : 457.3/16

Left Out: 18.505±/0.620 χ^2/NDF : 92.8/2

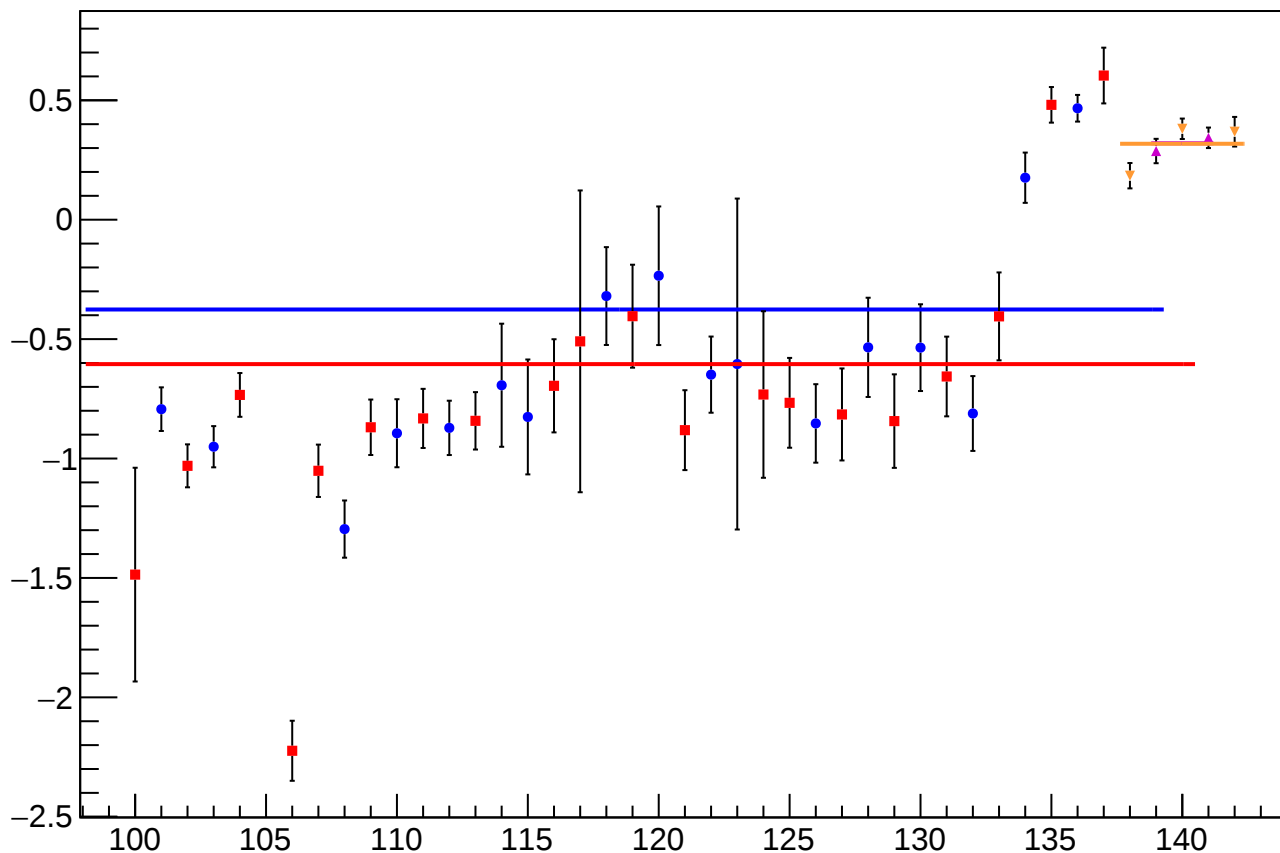
Right Out: 22.372±/0.572 χ^2/NDF : 367.0/19

Left In: 23.511±/0.800 χ^2/NDF : 0.6/1

21.100±/0.415 χ^2/NDF : 581.7/19

22.757±/0.465 χ^2/NDF : 368.9/21

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.318 ± 0.029 $\chi^2/\text{NDF}: 9.1/2$

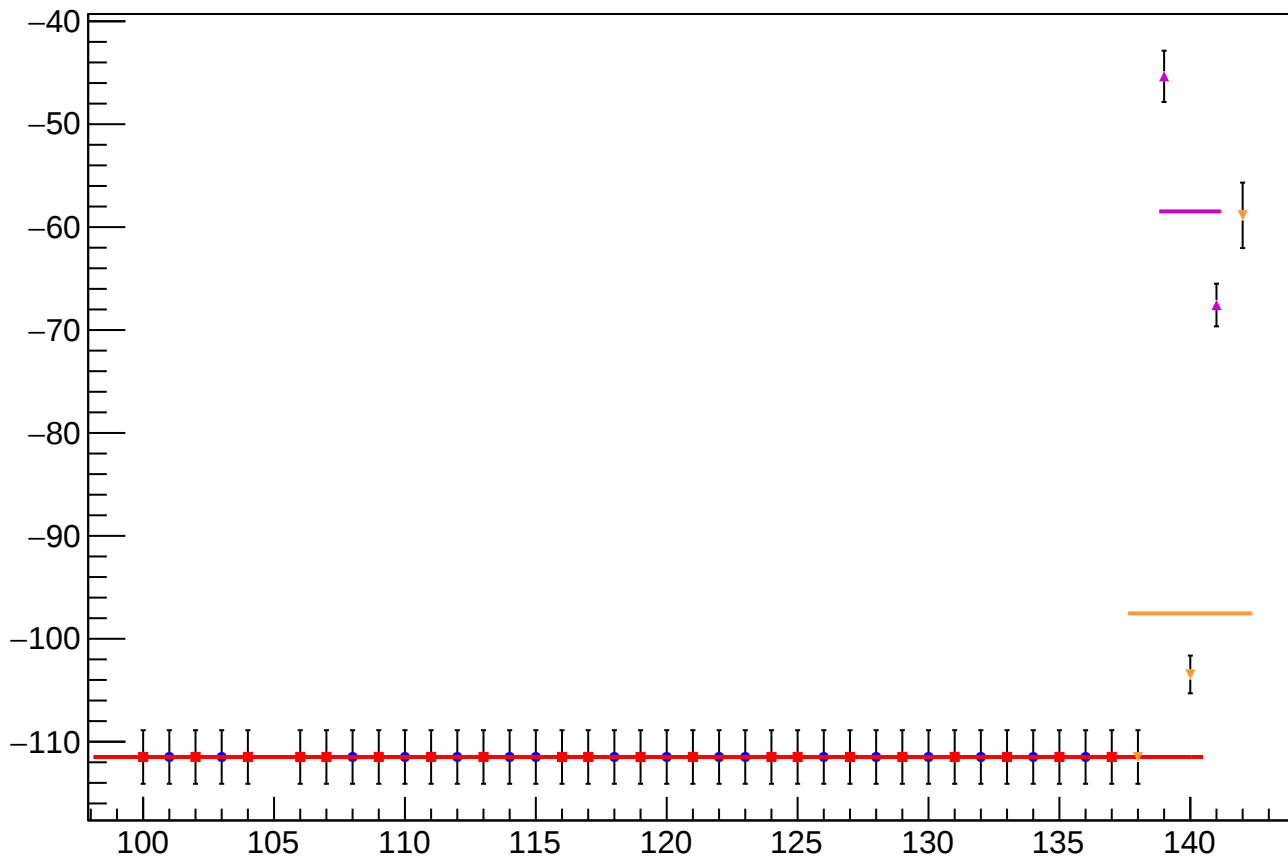
Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

Left In: 0.320 ± 0.033 $\chi^2/\text{NDF}: 0.7/1$

-0.020 ± 0.021 $\chi^2/\text{NDF}: 718.6/19$

-0.181 ± 0.022 $\chi^2/\text{NDF}: 981.4/21$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -111.486 $\pm$ 0.632 χ^2 /NDF: 0.0/16

Left Out: -97.535 $\pm$ 1.356 χ^2 /NDF:187.0/2

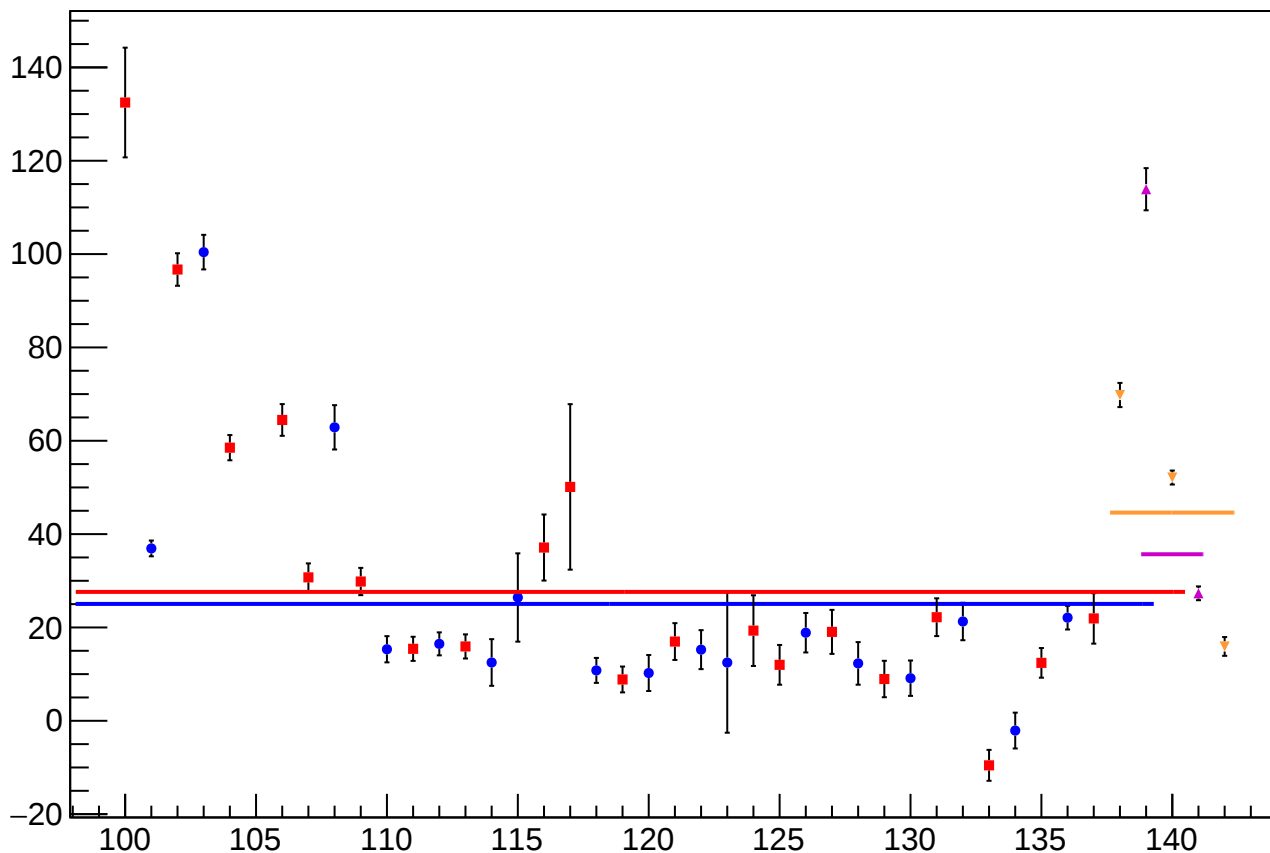
Right Out: -111.486 $\pm$ 0.582 χ^2 /NDF: 0.0/19

Left In: -58.475 $\pm$ 1.595 χ^2 /NDF:47.0/1

-108.998 $\pm$ 0.573 χ^2 /NDF: 274.0/19

-105.248 $\pm$ 0.547 χ^2 /NDF: 1022.2/21

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 44.613 $\pm$ 1.091 χ^2 /NDF:322.8/2

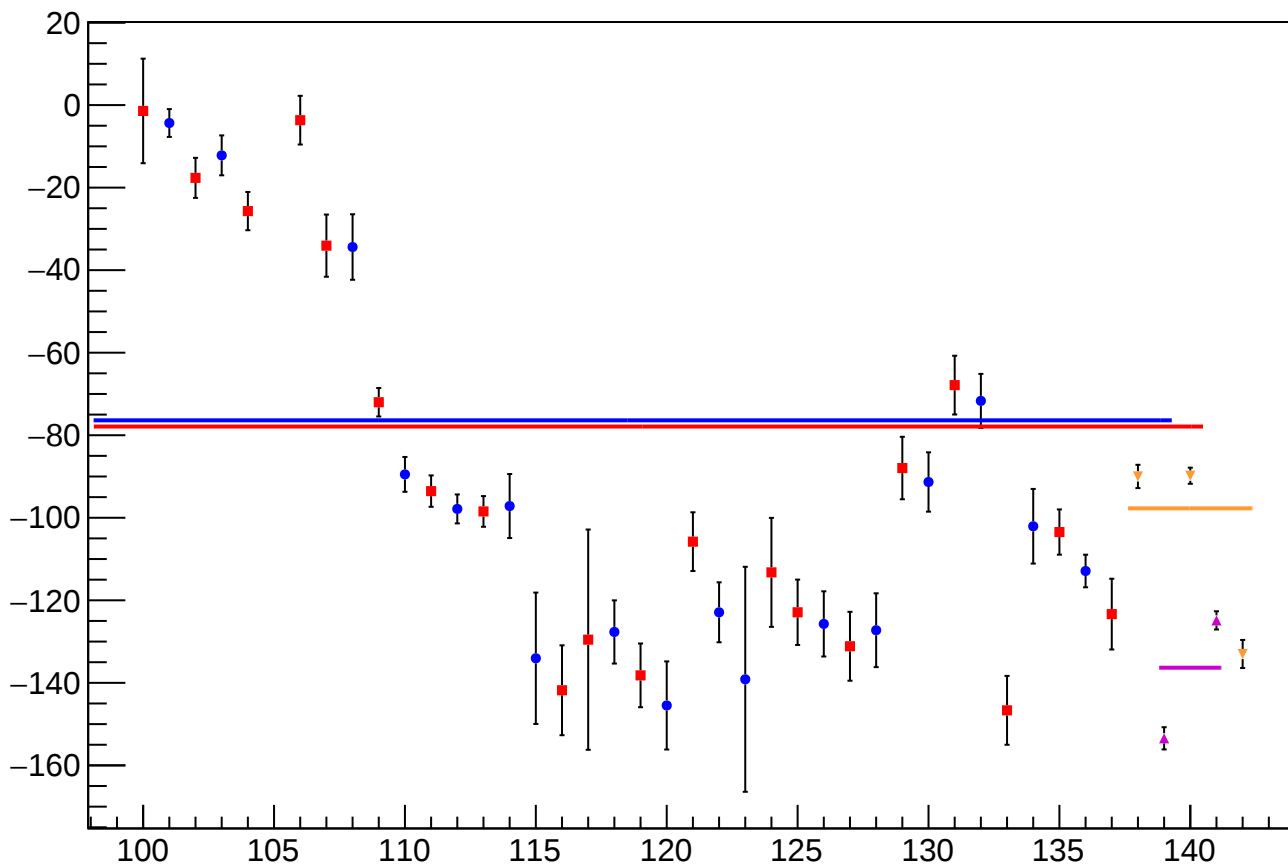
Right Out: 27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

Left In: 35.685 $\pm$ 1.404 χ^2 /NDF:331.9/1

31.960 $\pm$ 0.648 χ^2 /NDF: 1217.4/19

29.630 $\pm$ 0.701 χ^2 /NDF: 1371.1/21

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 $\pm$ 1.416 χ^2/NDF : 1031.9/16

Left Out: -97.715 $\pm$ 1.452 χ^2/NDF :131.3/2

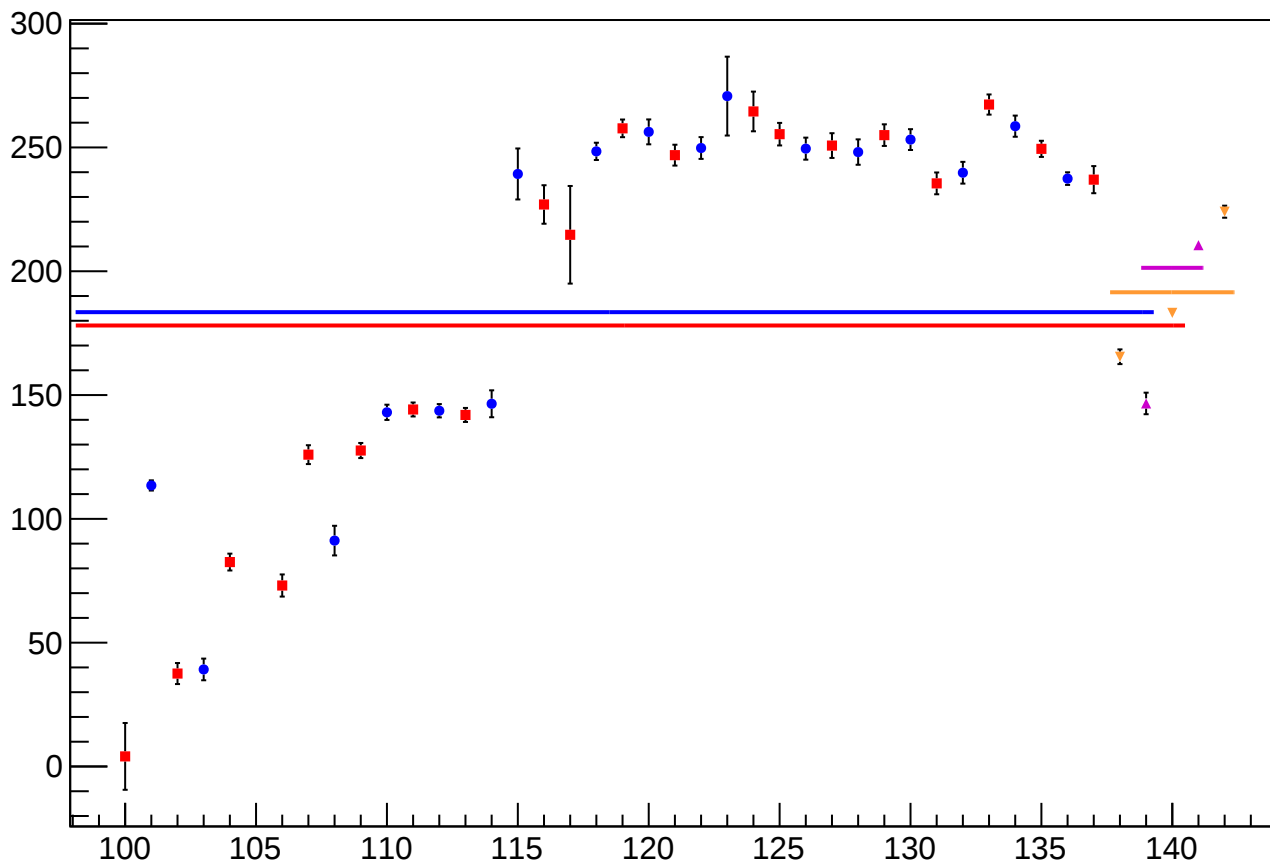
Right Out: -77.894 $\pm$ 1.351 χ^2/NDF : 876.4/19

Left In: -136.332 $\pm$ 1.707 χ^2/NDF :67.3/1

-86.785 $\pm$ 1.014 χ^2/NDF : 1273.8/19

-100.398 $\pm$ 1.059 χ^2/NDF : 1664.2/21

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 191.511 $\pm$ 1.305 χ^2 /NDF:276.3/2

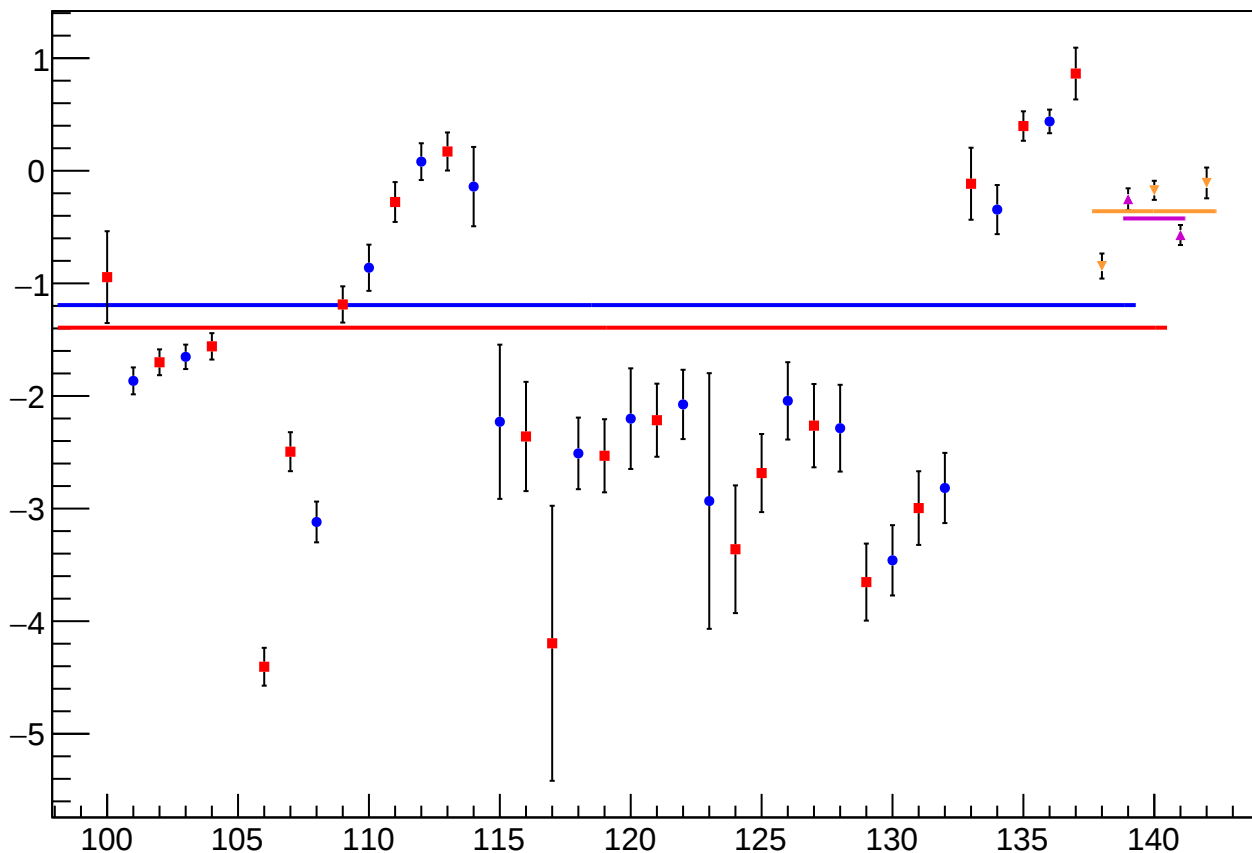
Right Out: 178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

Left In: 201.382 $\pm$ 1.646 χ^2 /NDF:184.9/1

186.139 $\pm$ 0.751 χ^2 /NDF: 5633.0/19

183.664 $\pm$ 0.805 χ^2 /NDF: 6686.5/21

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.359 ± 0.060 χ^2/NDF : 27.3/2

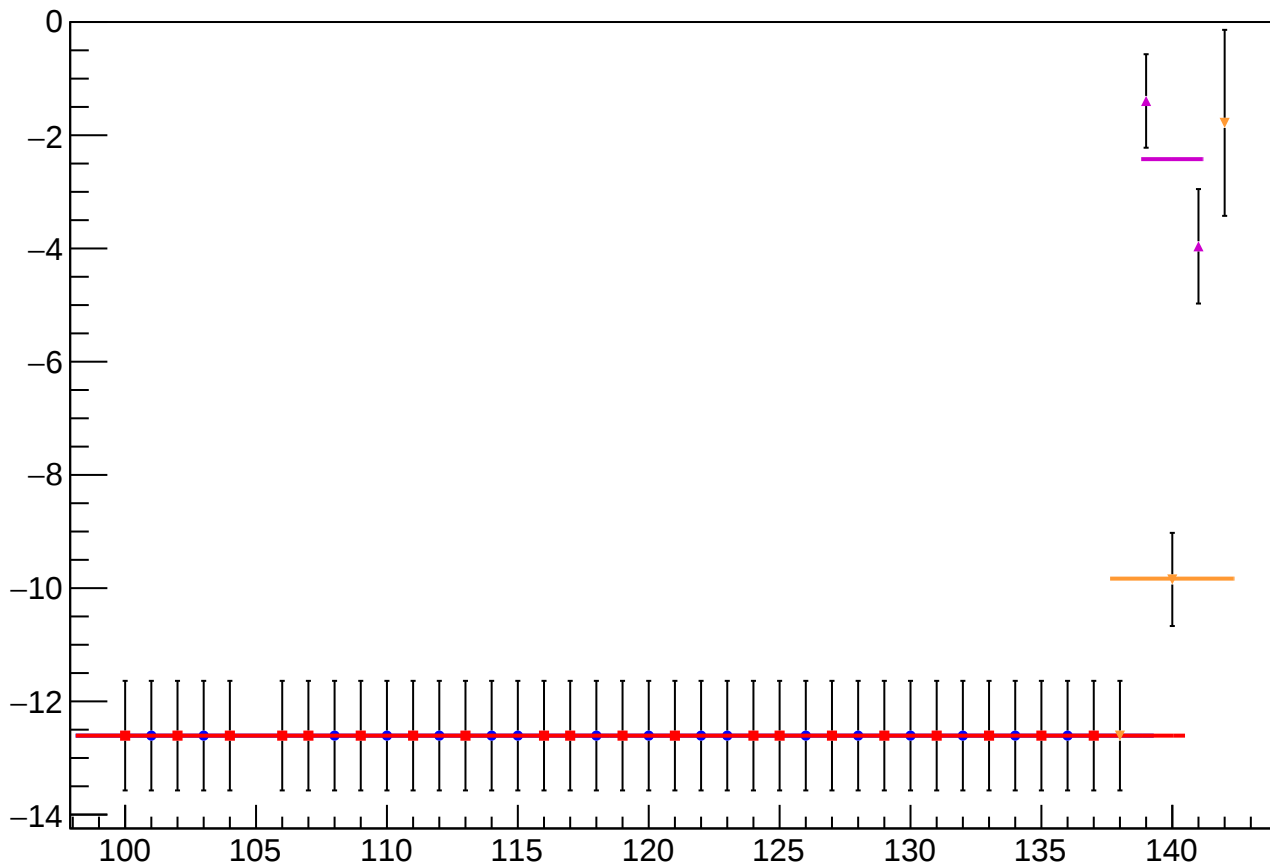
Right Out: -1.393 ± 0.046 χ^2/NDF : 925.8/19

Left In: -0.424 ± 0.065 χ^2/NDF : 5.9/1

-0.869 ± 0.038 χ^2/NDF : 765.4/19

-1.073 ± 0.037 χ^2/NDF : 1079.8/21

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -12.605 $\pm$ 0.235 χ^2 /NDF: 0.0/16

Left Out: -9.832 $\pm$ 0.586 χ^2 /NDF: 32.2/2

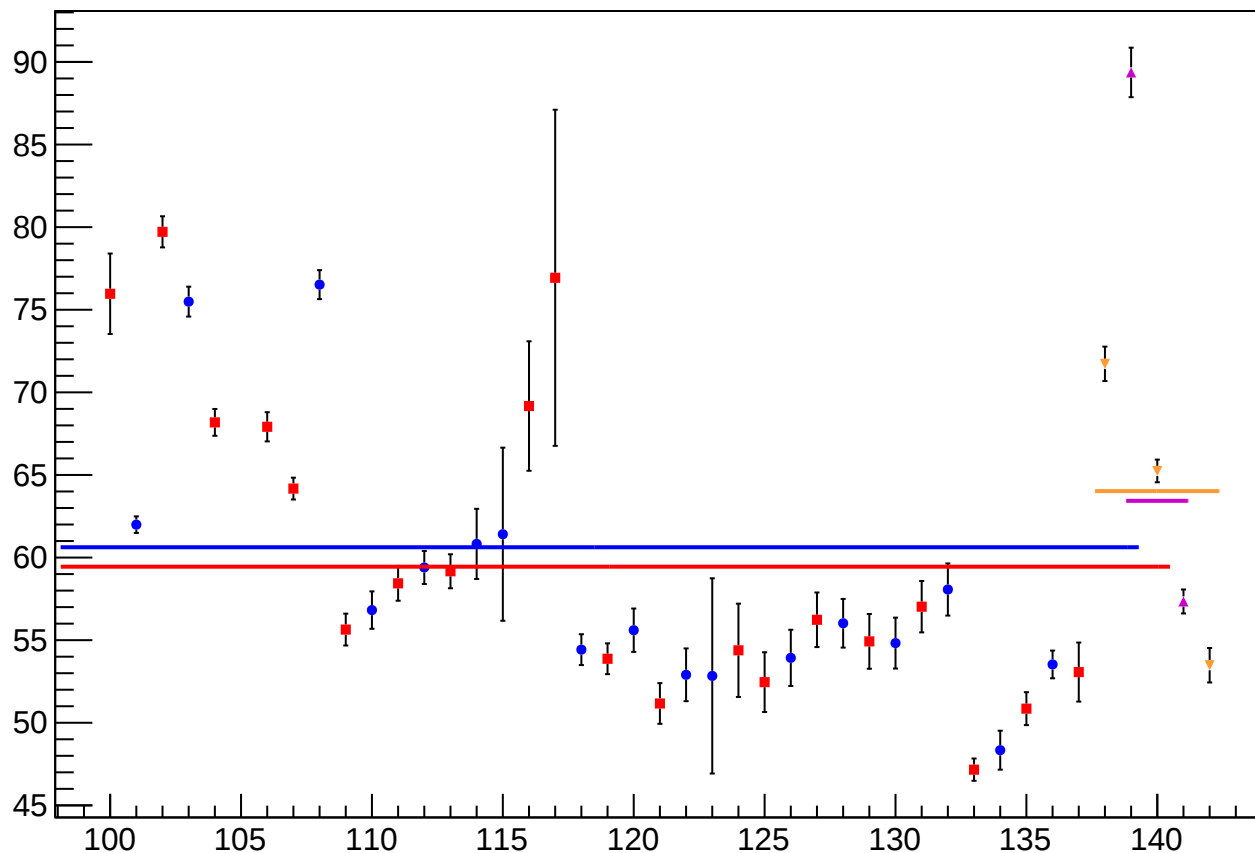
Right Out: -12.605 $\pm$ 0.216 χ^2 /NDF: 0.0/19

Left In: -2.422 $\pm$ 0.640 χ^2 /NDF: 3.9/1

-12.221 $\pm$ 0.218 χ^2 /NDF: 51.6/19

-11.559 $\pm$ 0.205 χ^2 /NDF: 231.3/21

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 64.024 $\pm$ 0.502 χ^2 /NDF:160.0/2

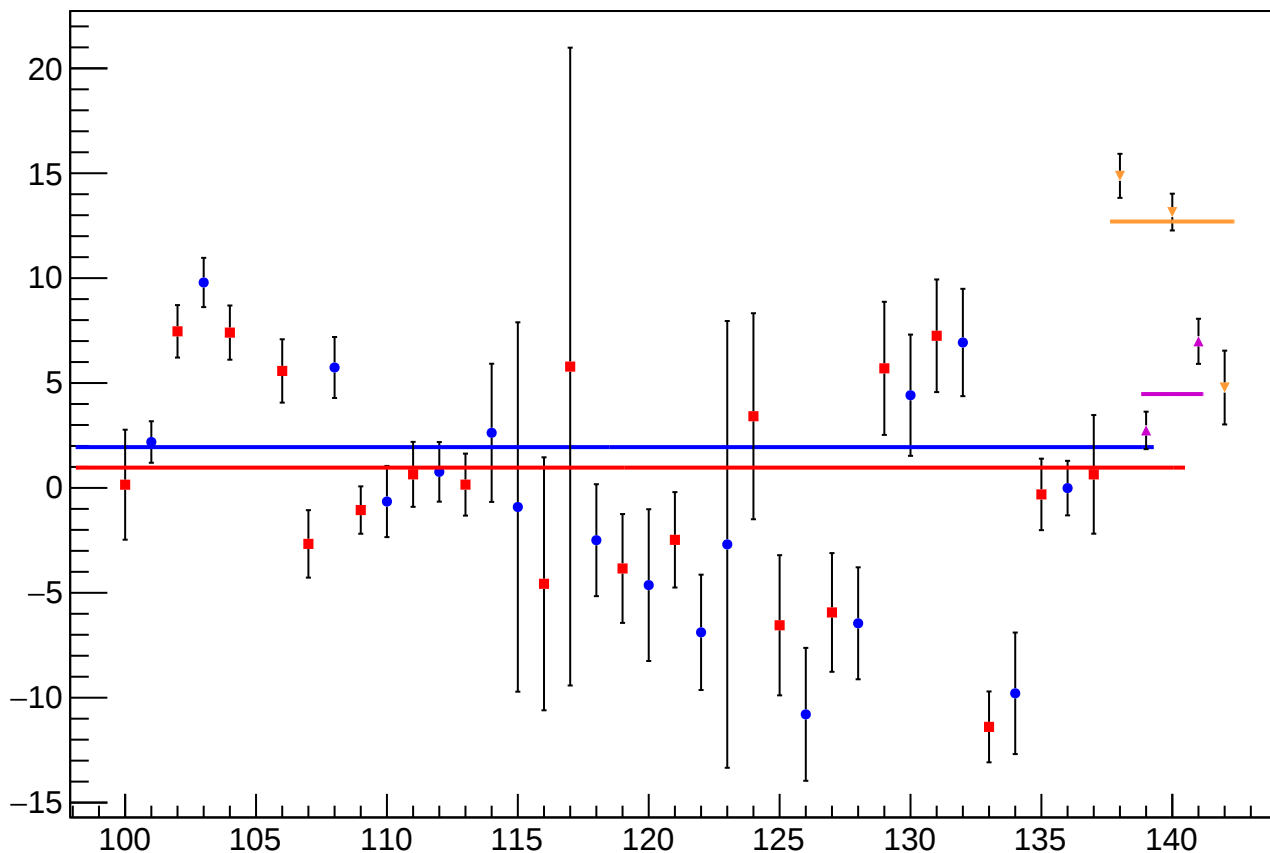
Right Out: 59.448 $\pm$ 0.248 χ^2 /NDF: 1326.3/19

Left In: 63.434 $\pm$ 0.653 χ^2 /NDF:370.0/1

61.357 $\pm$ 0.233 χ^2 /NDF: 1120.5/19

59.949 $\pm$ 0.232 χ^2 /NDF: 1728.8/21

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 12.699 ± 0.629 χ^2/NDF : 24.8/2

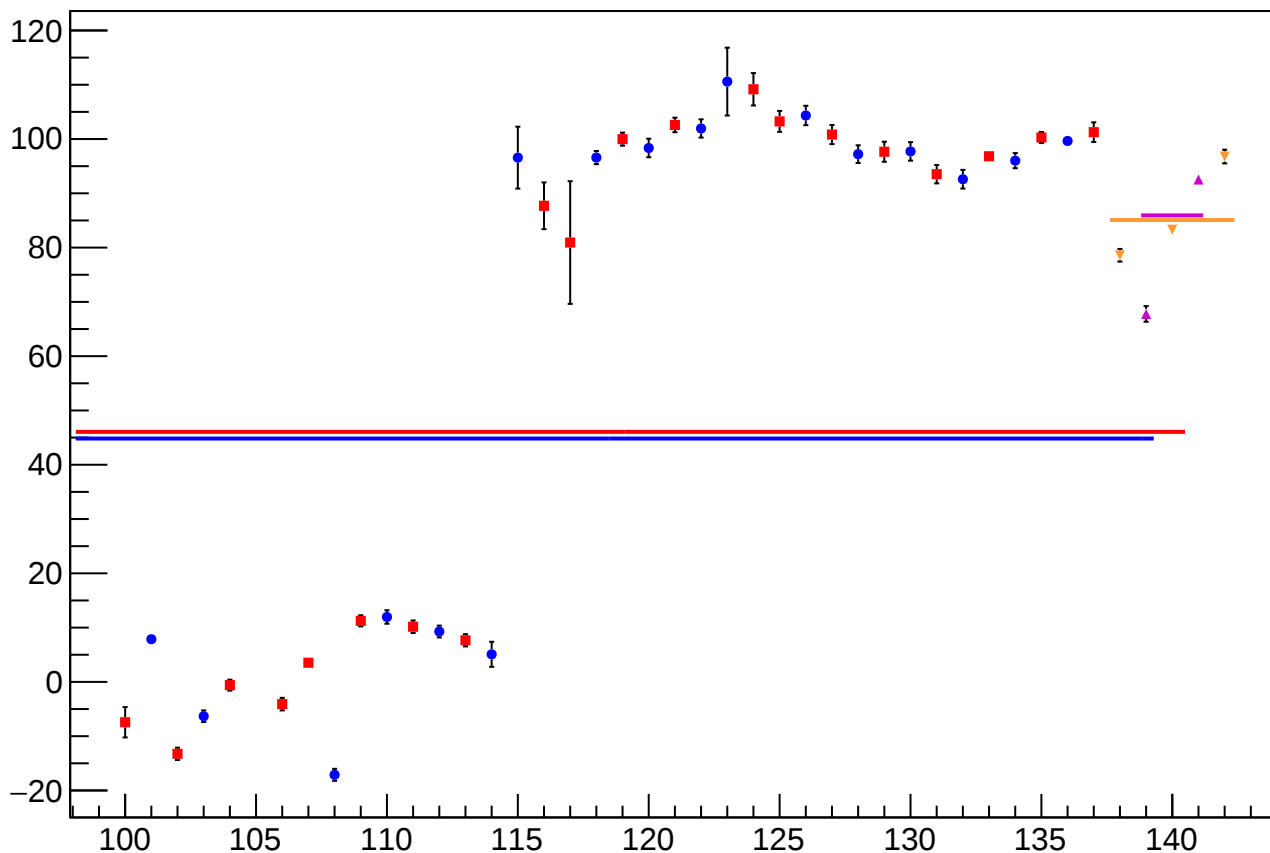
Right Out: 0.968 ± 0.424 χ^2/NDF : 149.6/19

Left In: 4.474 ± 0.687 χ^2/NDF : 9.2/1

5.684 ± 0.371 χ^2/NDF : 336.4/19

1.936 ± 0.361 χ^2/NDF : 177.7/21

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 85.079+/-0.594 χ^2/NDF :121.6/2

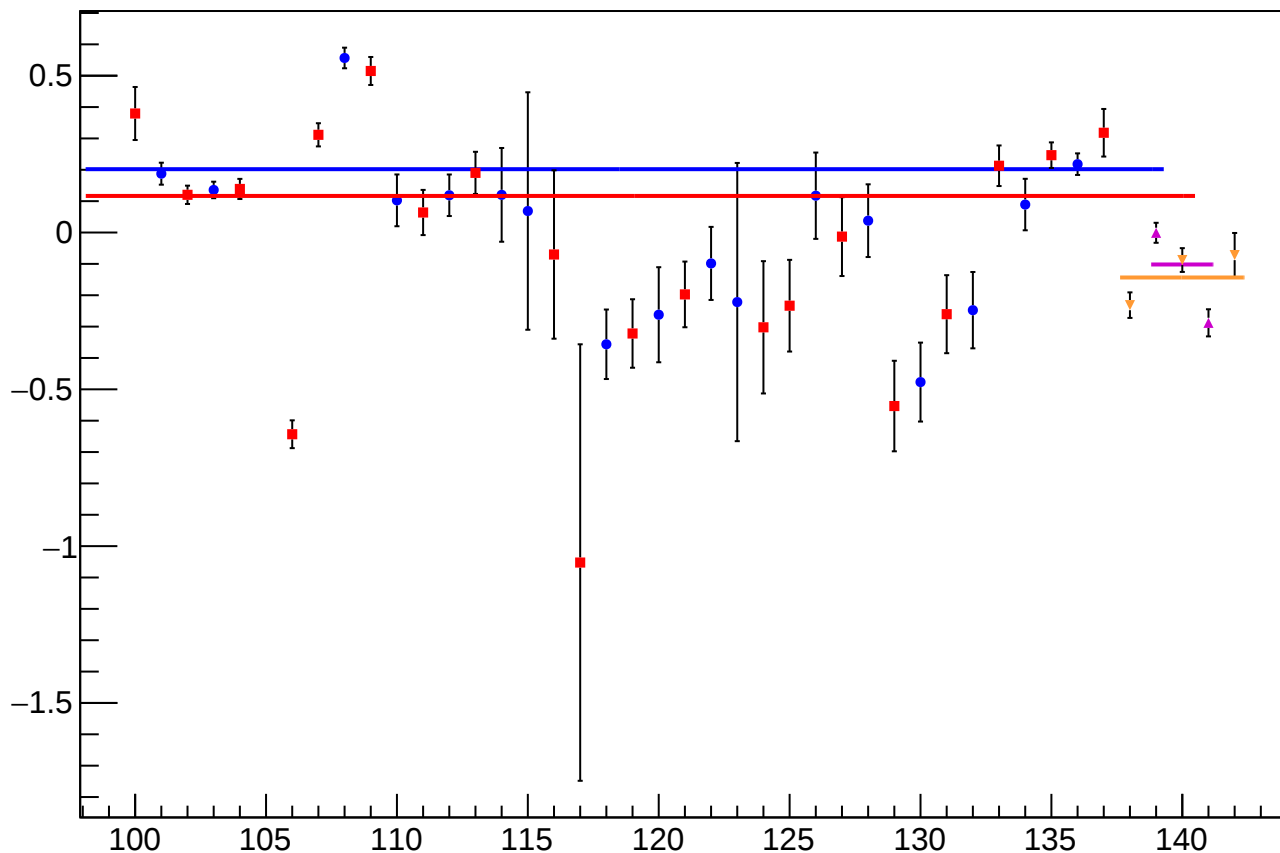
Right Out: 46.062+/-0.289 χ^2/NDF : 28272.9/19

Left In: 85.936+/-0.746 χ^2/NDF :215.8/1

53.204+/-0.271 χ^2/NDF : 28516.6/19

51.283+/-0.270 χ^2/NDF : 30974.7/21

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.143 ± 0.026 χ^2/NDF : 7.9/2

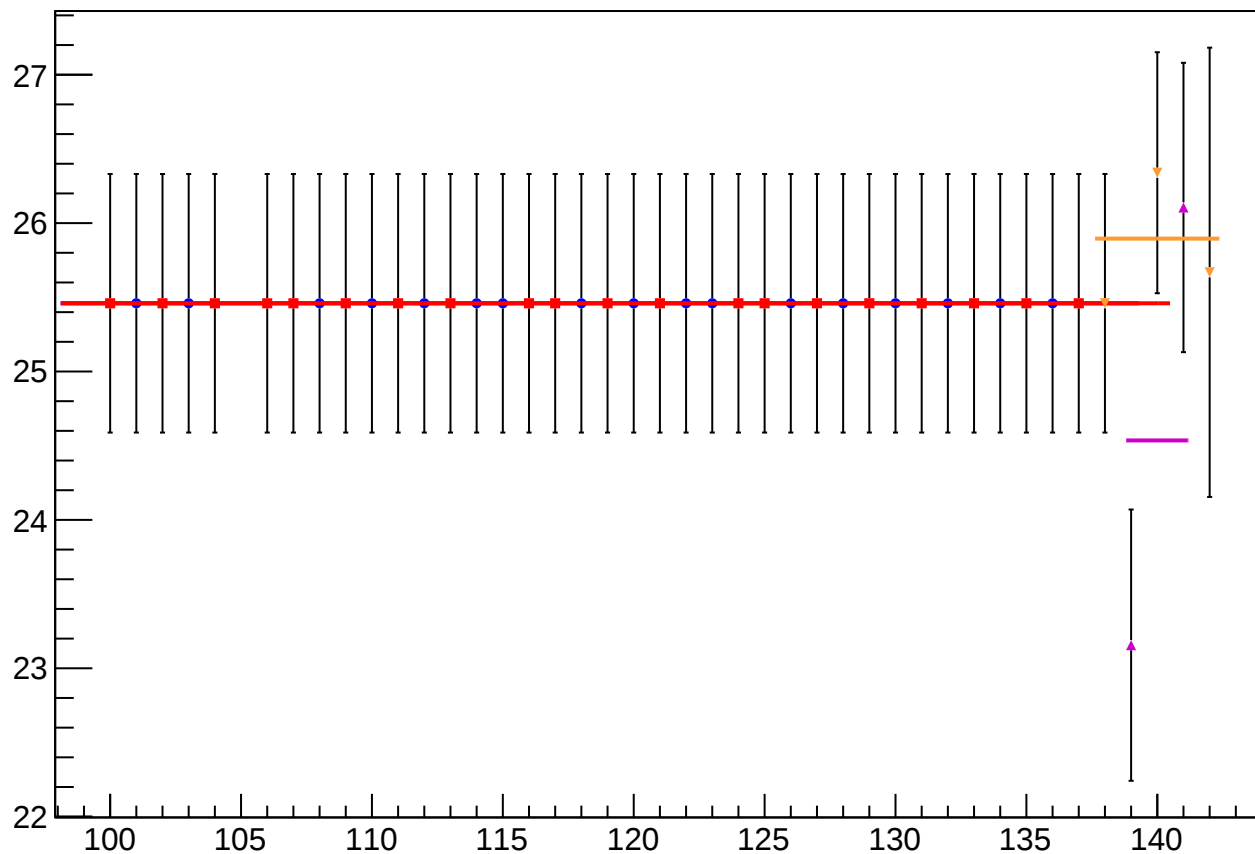
Right Out: 0.117 ± 0.013 χ^2/NDF : 502.5/19

Left In: -0.102 ± 0.026 χ^2/NDF : 28.5/1

0.123 ± 0.012 χ^2/NDF : 361.9/19

0.072 ± 0.012 χ^2/NDF : 588.7/21

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 25.460 ± 0.211 χ^2/NDF : 0.0/16

Left Out: 25.896 ± 0.553 χ^2/NDF : 0.6/2

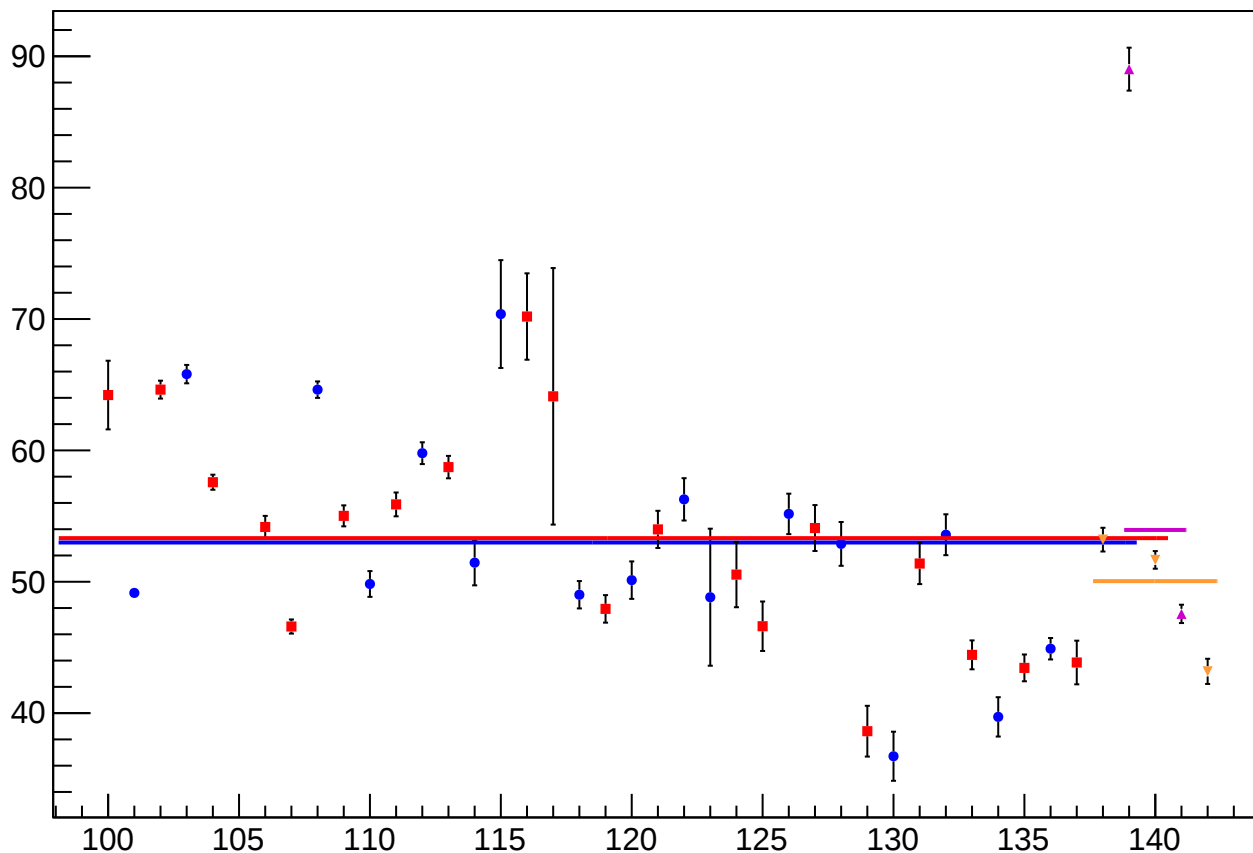
Right Out: 25.460 ± 0.195 χ^2/NDF : 0.0/19

Left In: 24.536 ± 0.667 χ^2/NDF : 4.9/1

25.515 ± 0.197 χ^2/NDF : 1.1/19

25.387 ± 0.187 χ^2/NDF : 6.6/21

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 50.048 $\pm$ 0.469 χ^2 /NDF:69.4/2

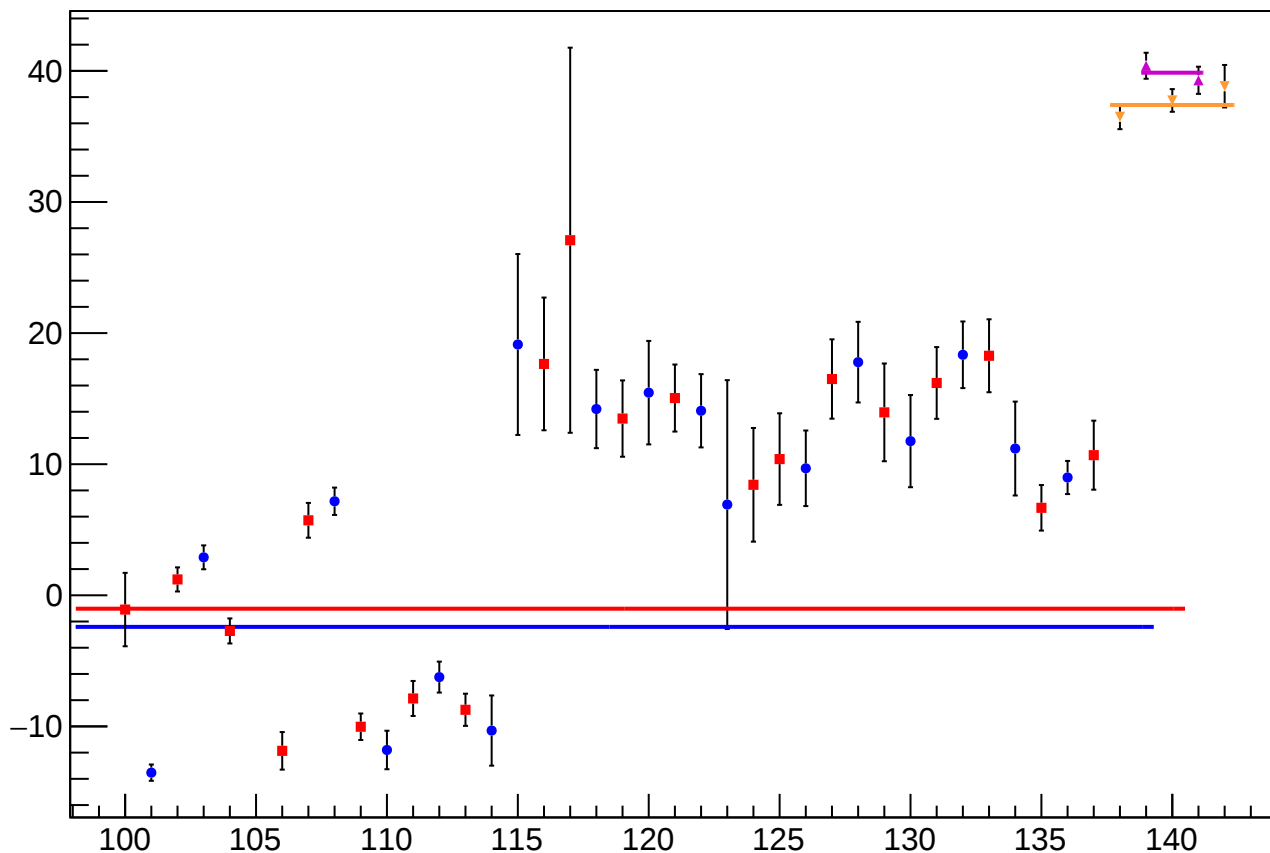
Right Out: 53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

Left In: 53.943 $\pm$ 0.642 χ^2 /NDF:544.4/1

52.495 $\pm$ 0.192 χ^2 /NDF: 1300.1/19

53.390 $\pm$ 0.214 χ^2 /NDF: 1422.0/21

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 37.400 ± 0.594 χ^2/NDF : 1.8/2

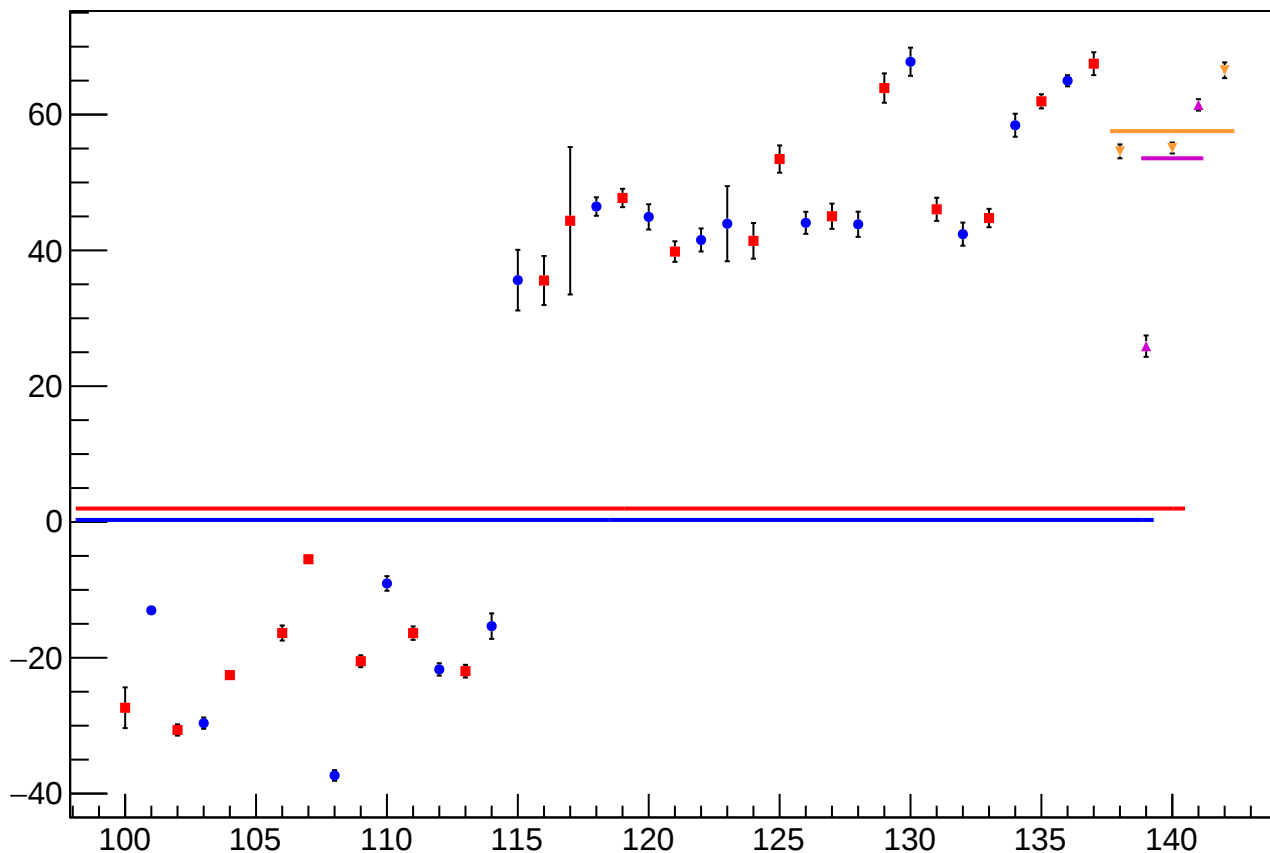
Right Out: -1.021 ± 0.377 χ^2/NDF : 511.2/19

Left In: 39.862 ± 0.716 χ^2/NDF : 0.6/1

8.482 ± 0.311 χ^2/NDF : 4102.8/19

7.845 ± 0.334 χ^2/NDF : 3063.1/21

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 57.568 ± 0.557 χ^2/NDF : 77.6/2

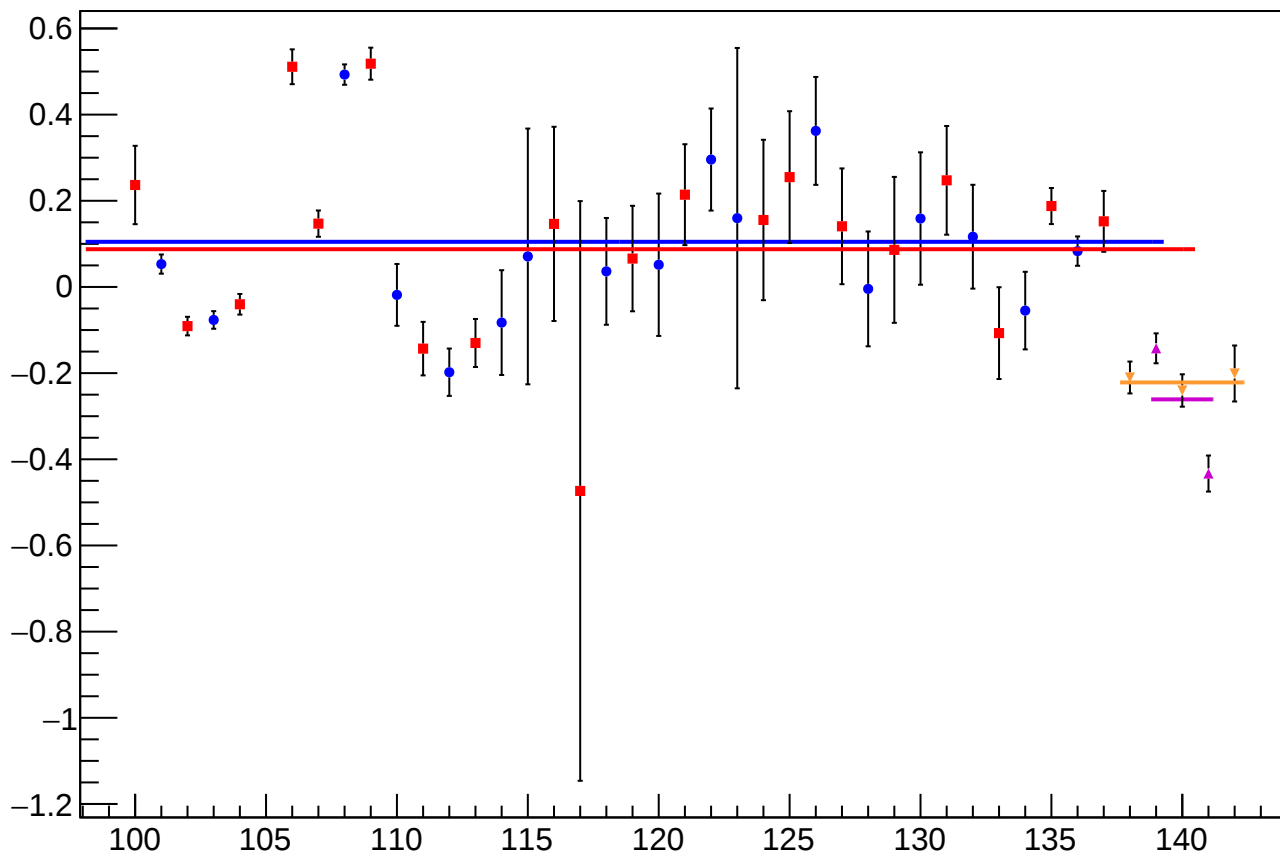
Right Out: 1.978 ± 0.267 χ^2/NDF : 15465.9/19

Left In: 53.561 ± 0.740 χ^2/NDF : 397.5/1

9.751 ± 0.226 χ^2/NDF : 27177.9/19

7.904 ± 0.251 χ^2/NDF : 20166.2/21

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.222 ± 0.024 χ^2/NDF : 0.4/2

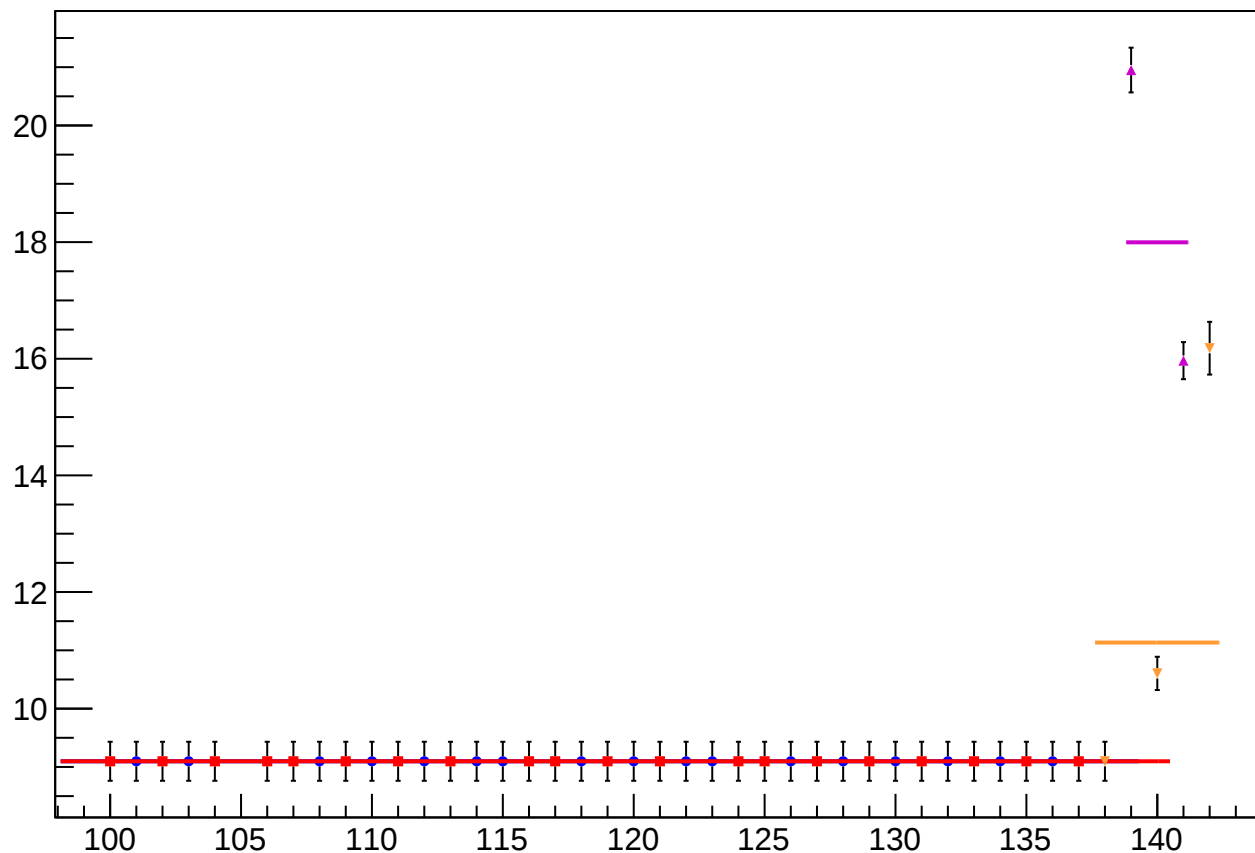
Right Out: 0.088 ± 0.011 χ^2/NDF : 391.6/19

Left In: -0.261 ± 0.027 χ^2/NDF : 28.6/1

0.049 ± 0.010 χ^2/NDF : 549.4/19

0.037 ± 0.010 χ^2/NDF : 565.5/21

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 9.097 $\pm$ 0.081 χ^2 /NDF: 0.0/16

Left Out: 11.133 $\pm$ 0.196 χ^2 /NDF:165.0/2

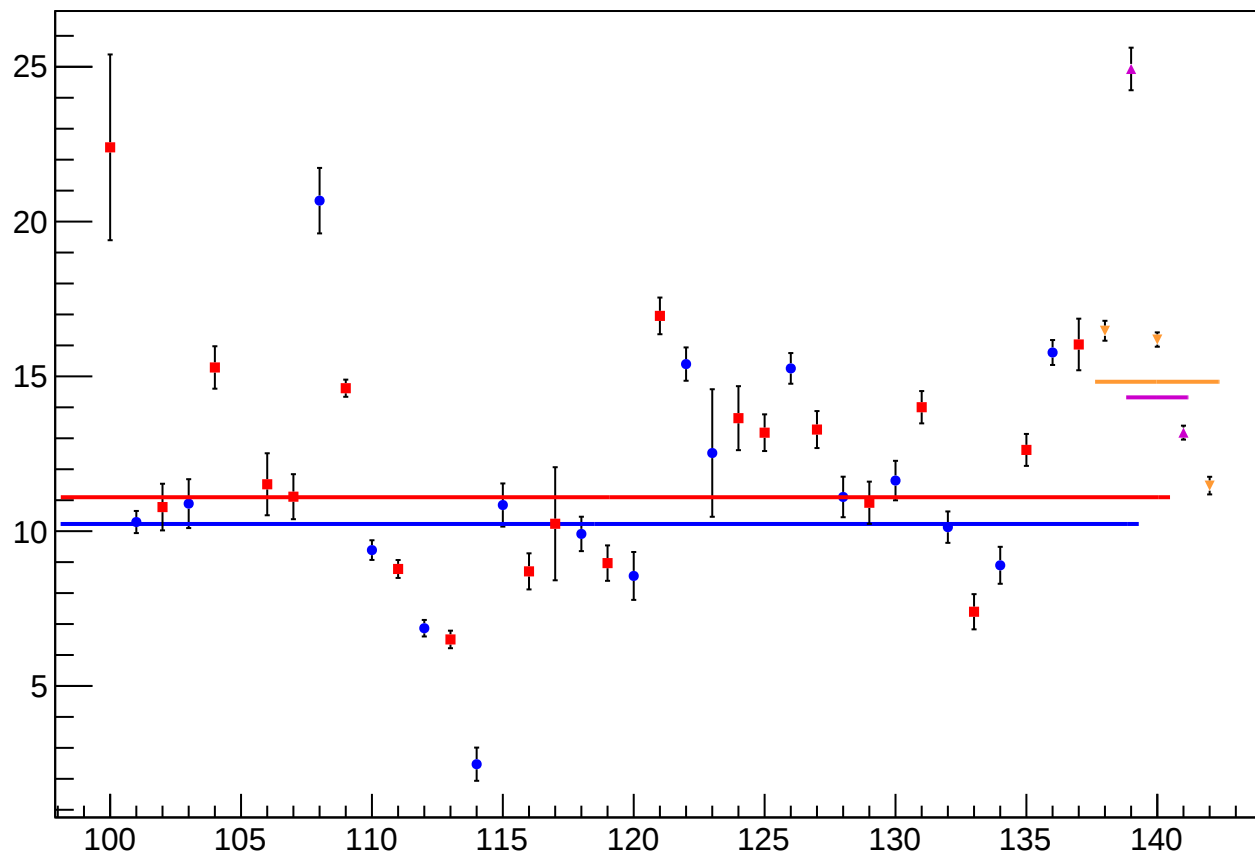
Right Out: 9.097 $\pm$ 0.075 χ^2 /NDF: 0.0/19

Left In: 17.996 $\pm$ 0.245 χ^2 /NDF:100.0/1

9.396 $\pm$ 0.075 χ^2 /NDF: 257.3/19

9.858 $\pm$ 0.072 χ^2 /NDF: 1308.7/21

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 $\pm$ 0.119 χ^2/NDF : 876.7/16

Left Out: 14.826 $\pm$ 0.157 χ^2/NDF : 199.7/2

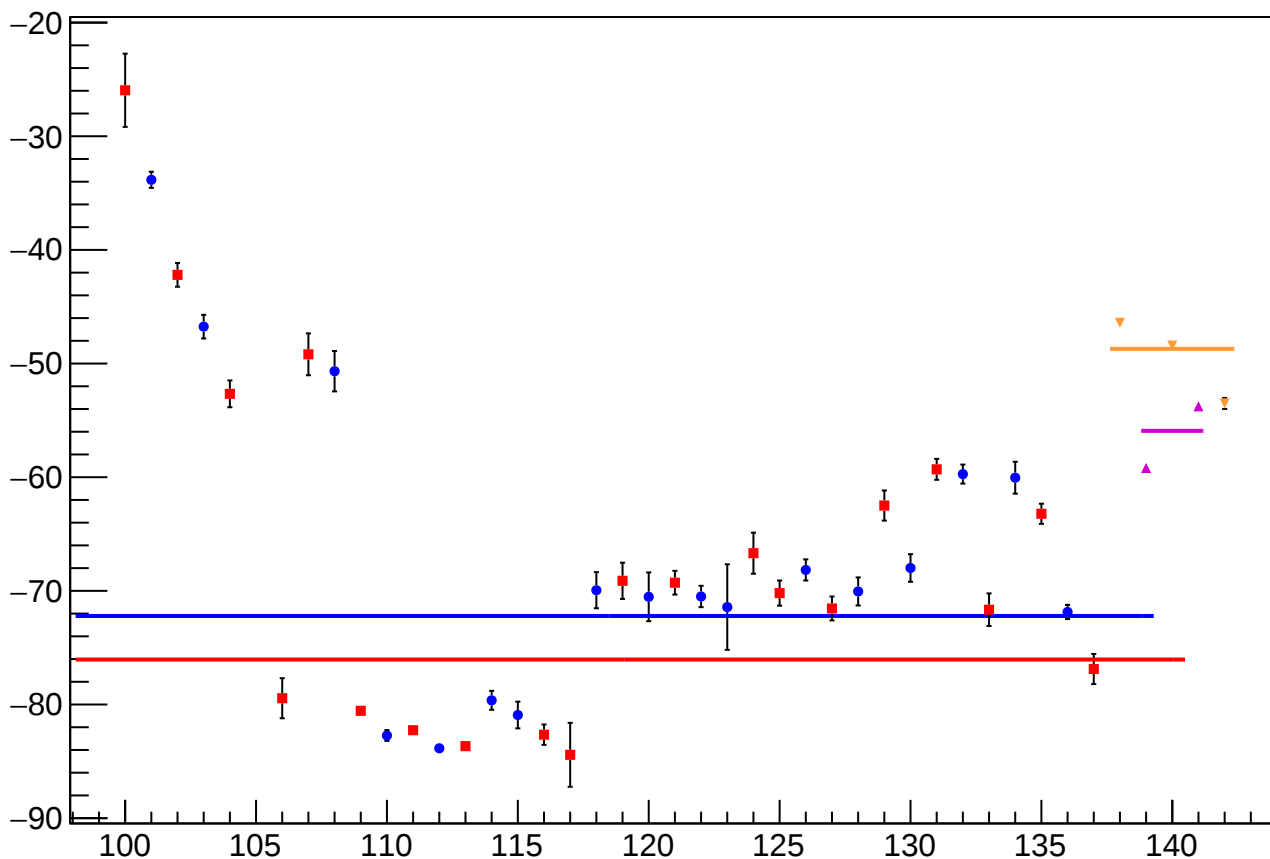
Right Out: 11.096 $\pm$ 0.116 χ^2/NDF : 818.0/19

Left In: 14.322 $\pm$ 0.214 χ^2/NDF : 263.6/1

11.918 $\pm$ 0.095 χ^2/NDF : 1619.6/19

11.830 $\pm$ 0.102 χ^2/NDF : 1257.0/21

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -48.707+/-0.210 χ^2/NDF :139.0/2

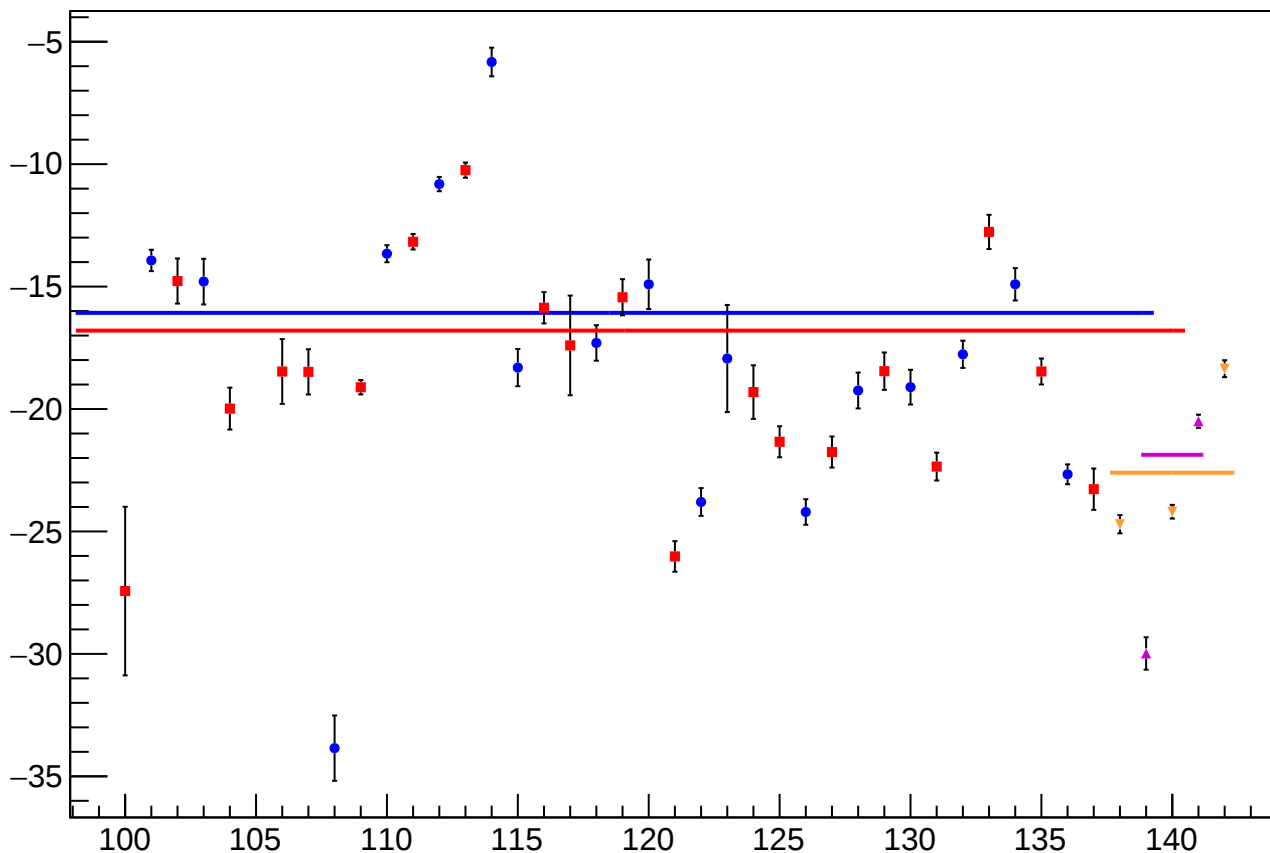
Right Out: -76.044+/-0.181 χ^2/NDF : 3472.2/19

Left In: -55.920+/-0.262 χ^2/NDF :102.5/1

-61.142+/-0.144 χ^2/NDF : 12342.0/19

-69.571+/-0.149 χ^2/NDF : 7567.9/21

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -22.599 ± 0.188 $\chi^2/\text{NDF}: 215.2/2$

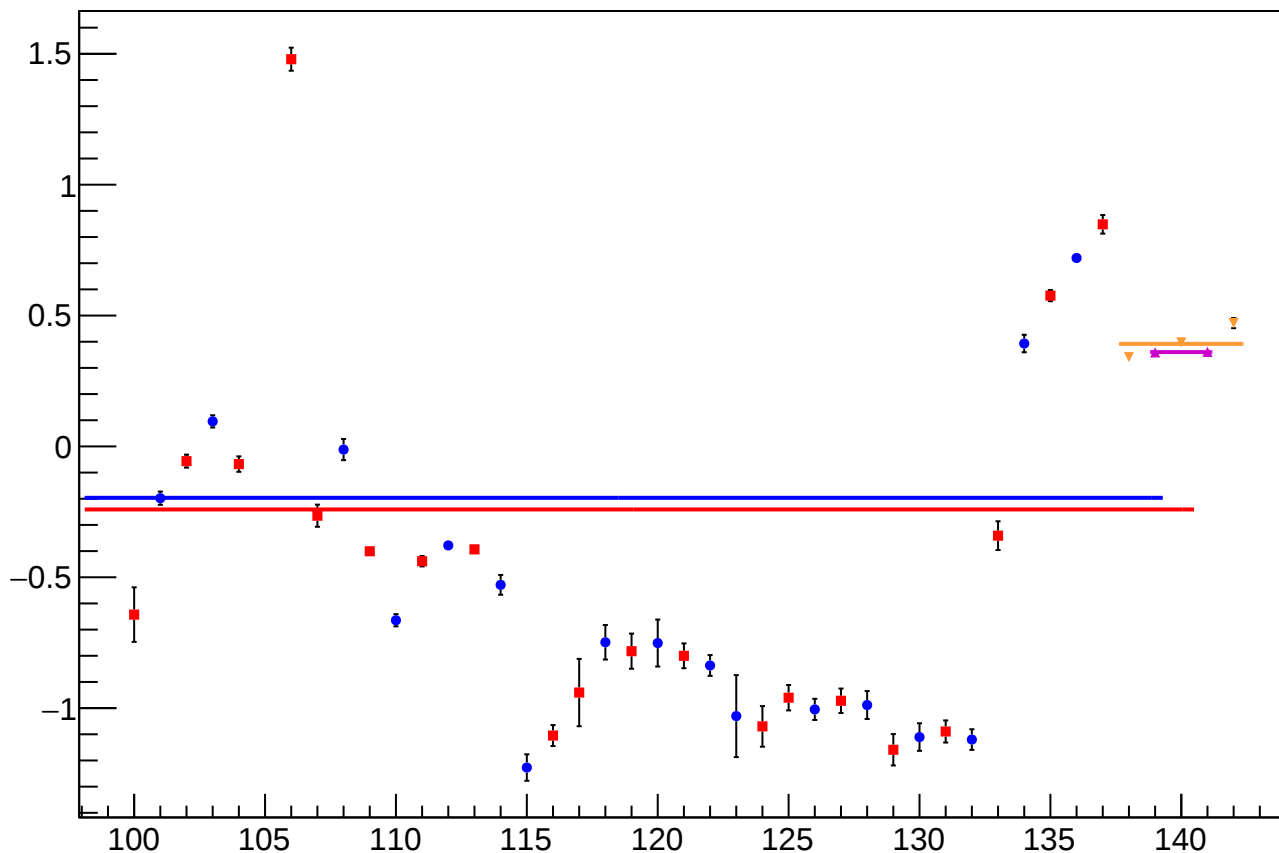
Right Out: -16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

Left In: -21.869 ± 0.251 $\chi^2/\text{NDF}: 175.8/1$

-18.241 ± 0.108 $\chi^2/\text{NDF}: 2661.6/19$

-17.840 ± 0.114 $\chi^2/\text{NDF}: 1715.1/21$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.392 ± 0.009 χ^2/NDF : 29.2/2

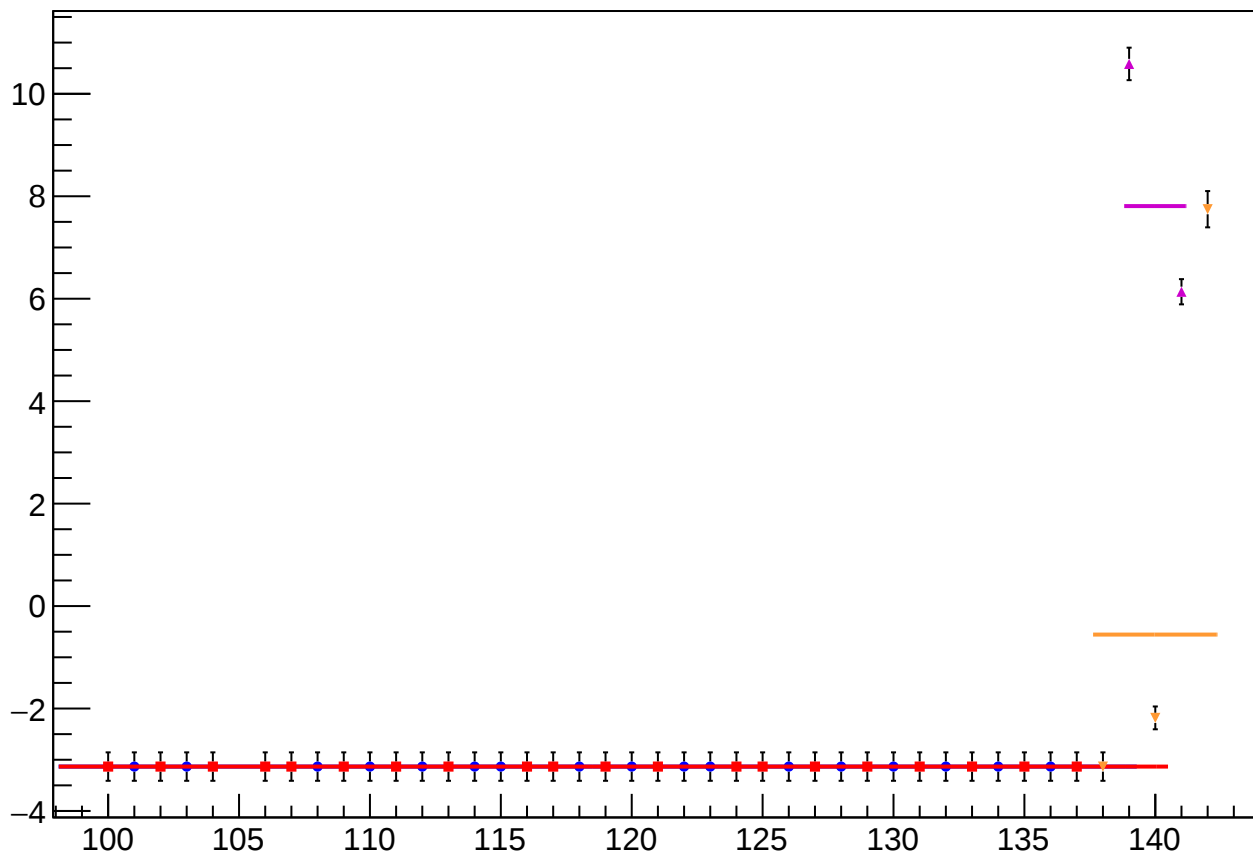
Right Out: -0.241 ± 0.007 χ^2/NDF : 6218.3/19

Left In: 0.360 ± 0.010 χ^2/NDF : 0.0/1

0.055 ± 0.006 χ^2/NDF : 8953.6/19

-0.036 ± 0.006 χ^2/NDF : 8614.1/21

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: -3.133+/-0.067 χ^2/NDF : 0.0/16

Left Out: -0.557+/-0.156 χ^2/NDF : 689.5/2

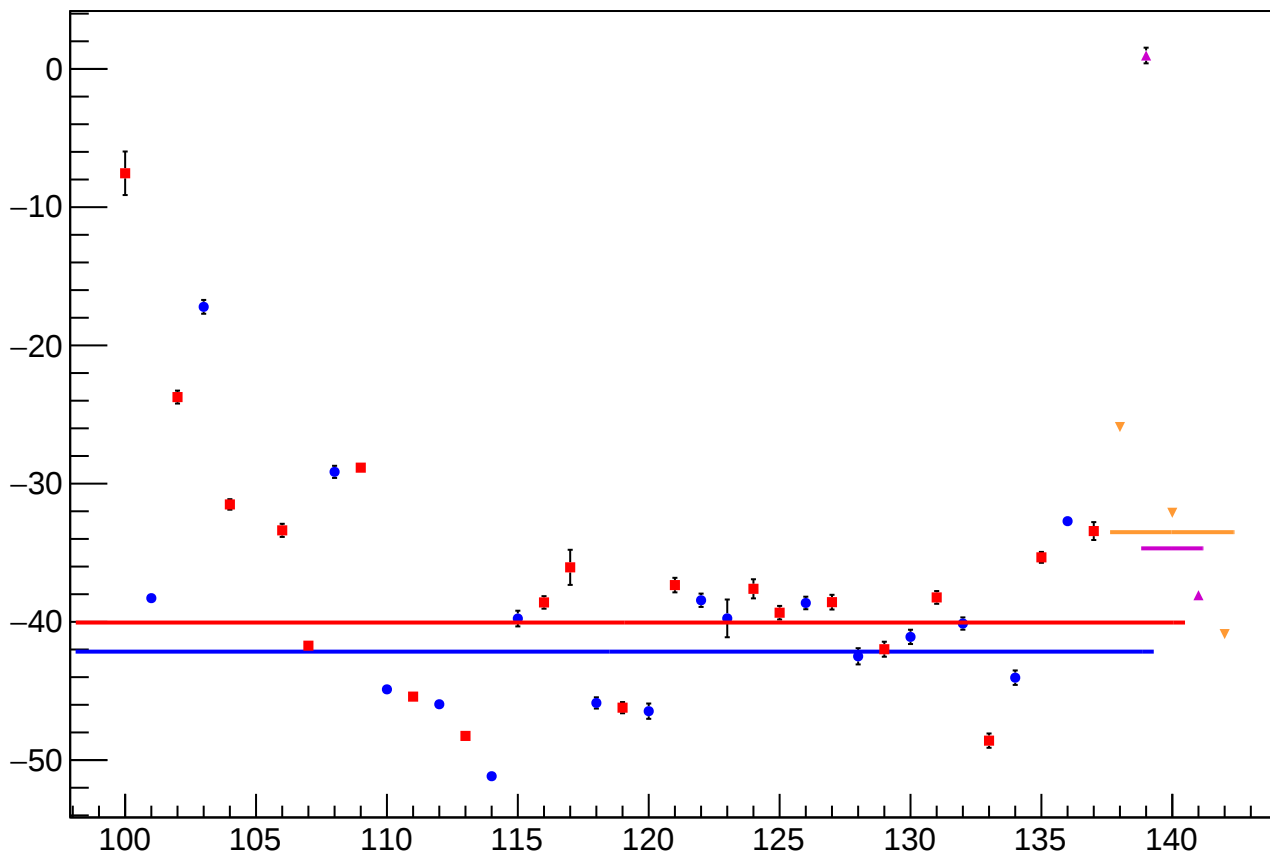
Right Out: -3.133+/-0.062 χ^2/NDF : 0.0/19

Left In: 7.808+/-0.194 χ^2/NDF : 122.7/1

-2.729+/-0.062 χ^2/NDF : 919.7/19

-2.122+/-0.059 χ^2/NDF : 2996.2/21

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -33.511 ± 0.125 $\chi^2/\text{NDF}: 1947.0/2$

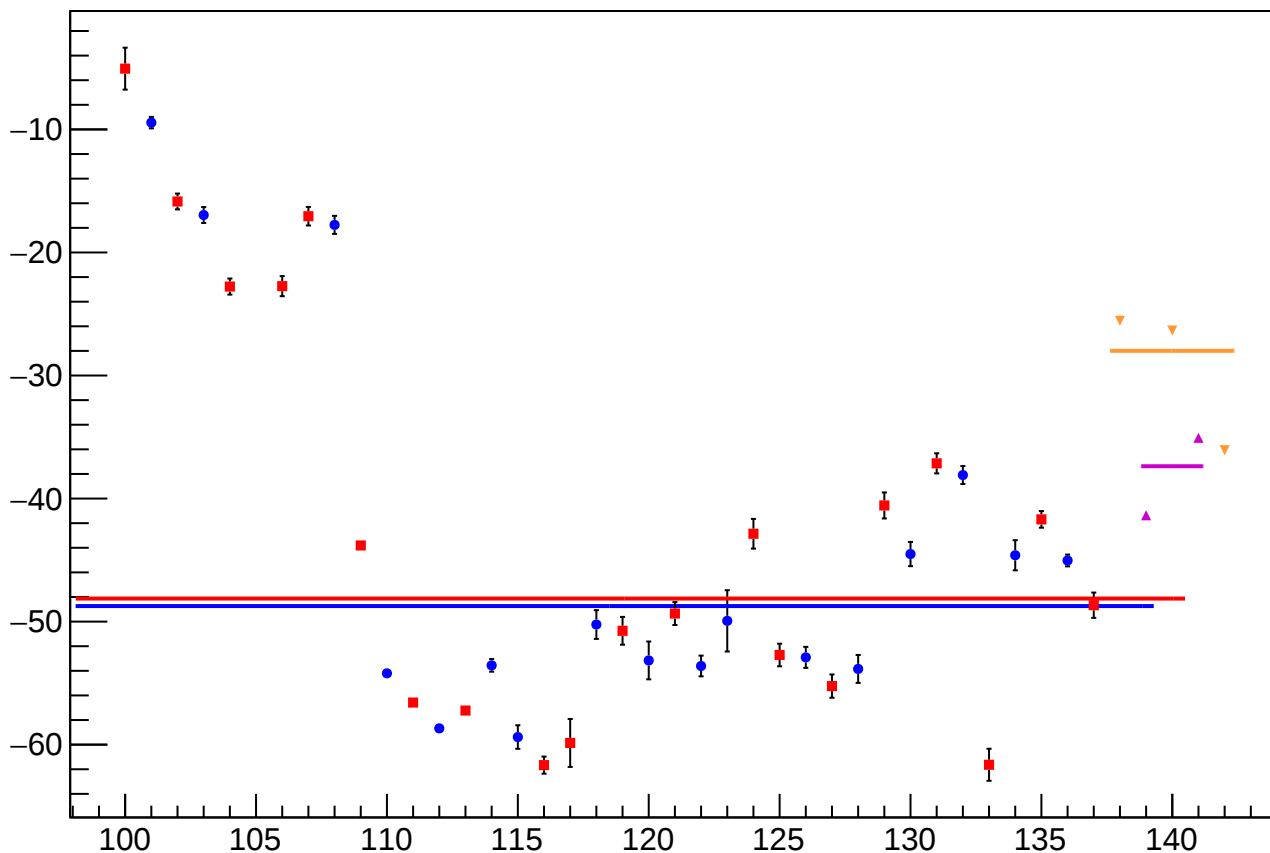
Right Out: -40.049 ± 0.073 $\chi^2/\text{NDF}: 11332.1/19$

Left In: -34.683 ± 0.167 $\chi^2/\text{NDF}: 4333.2/1$

-39.721 ± 0.066 $\chi^2/\text{NDF}: 11958.2/19$

-39.195 ± 0.067 $\chi^2/\text{NDF}: 16533.2/21$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -27.992 ± 0.167 χ^2/NDF : 568.5/2

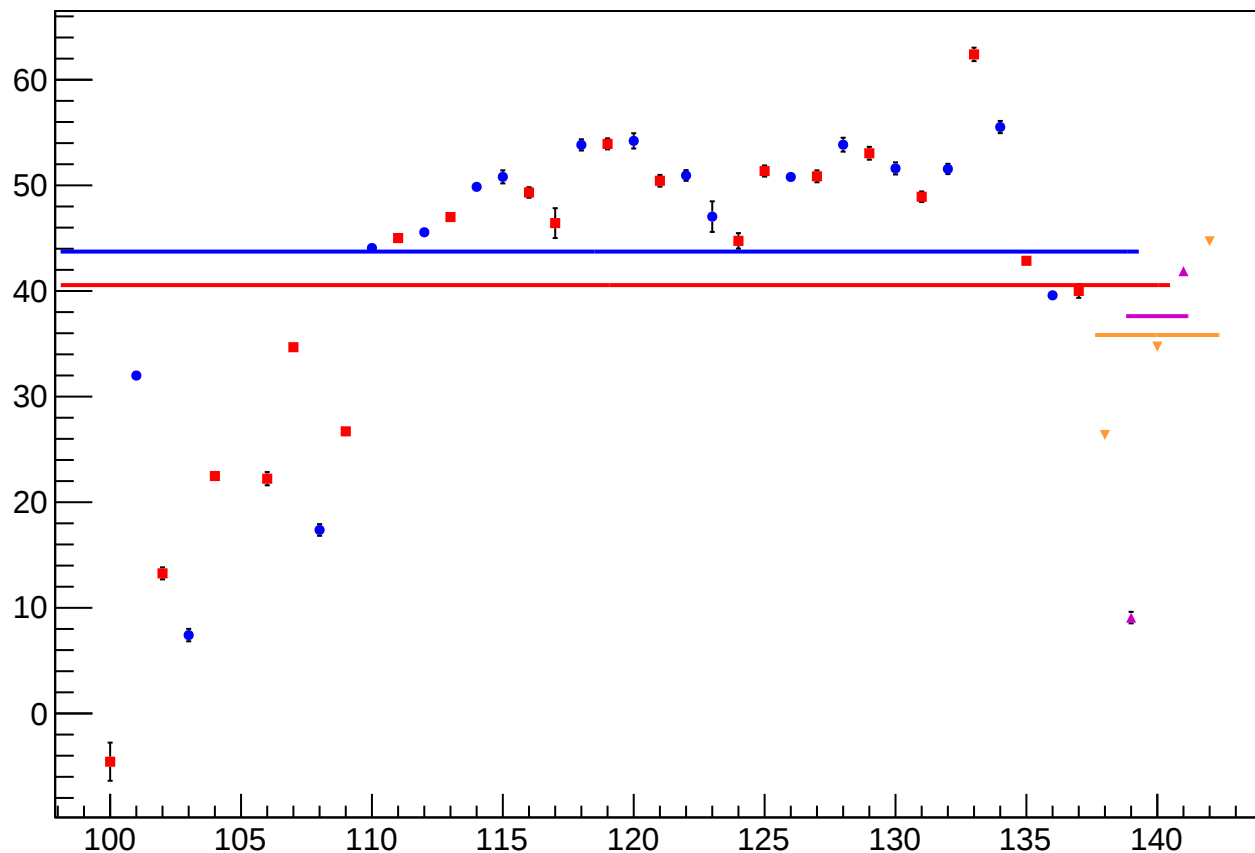
Right Out: -48.127 ± 0.107 χ^2/NDF : 11769.6/19

Left In: -37.373 ± 0.208 χ^2/NDF : 212.3/1

-41.330 ± 0.100 χ^2/NDF : 25131.0/19

-45.879 ± 0.095 χ^2/NDF : 14090.5/21

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731+/-0.087 χ^2/NDF : 10567.7/16

Left Out: 35.830+/-0.149 χ^2/NDF : 2026.0/2

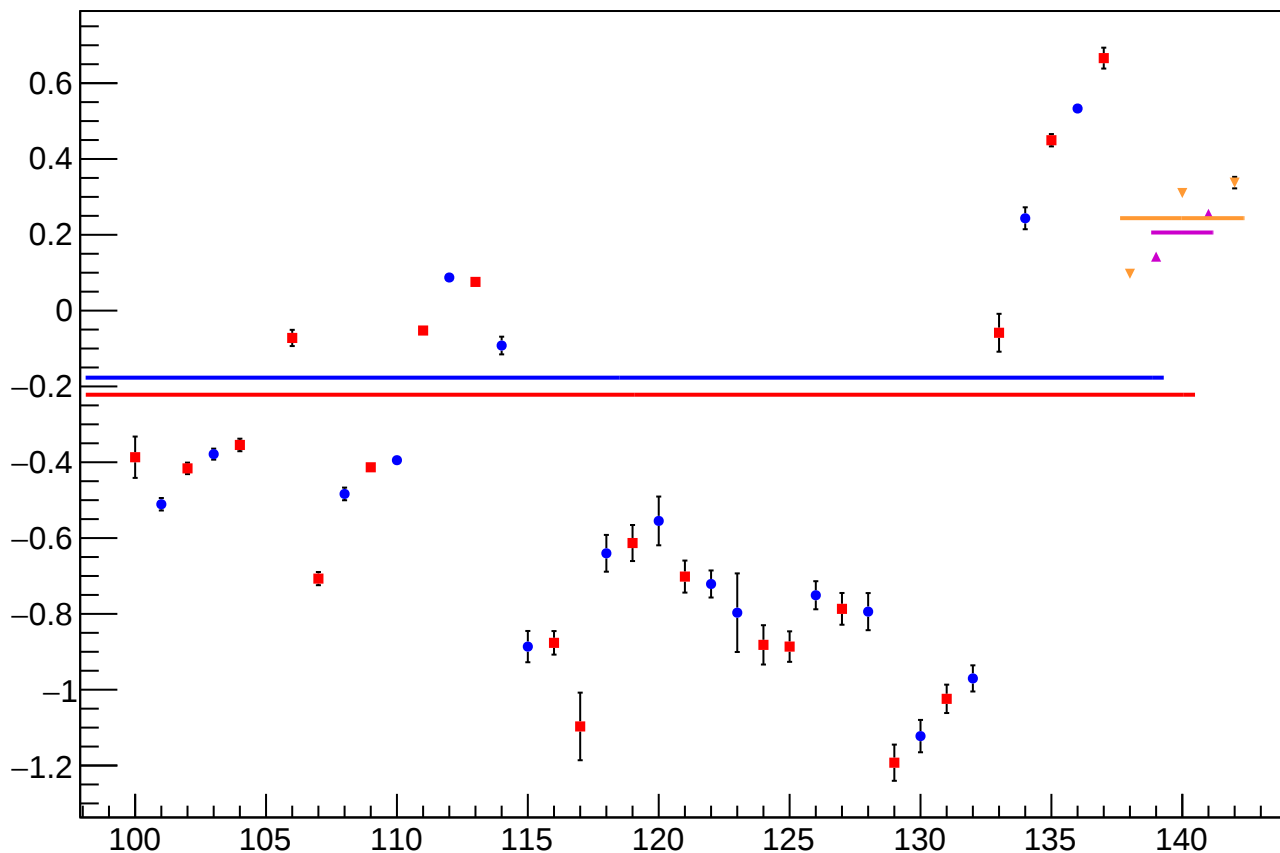
Right Out: 40.556+/-0.080 χ^2/NDF : 17618.6/19

Left In: 37.617+/-0.196 χ^2/NDF : 3148.5/1

41.732+/-0.075 χ^2/NDF : 14687.5/19

40.138+/-0.074 χ^2/NDF : 20959.0/21

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 $\chi^2/\text{NDF}: 7364.7/16$

Left Out: 0.244 ± 0.007 $\chi^2/\text{NDF}: 230.0/2$

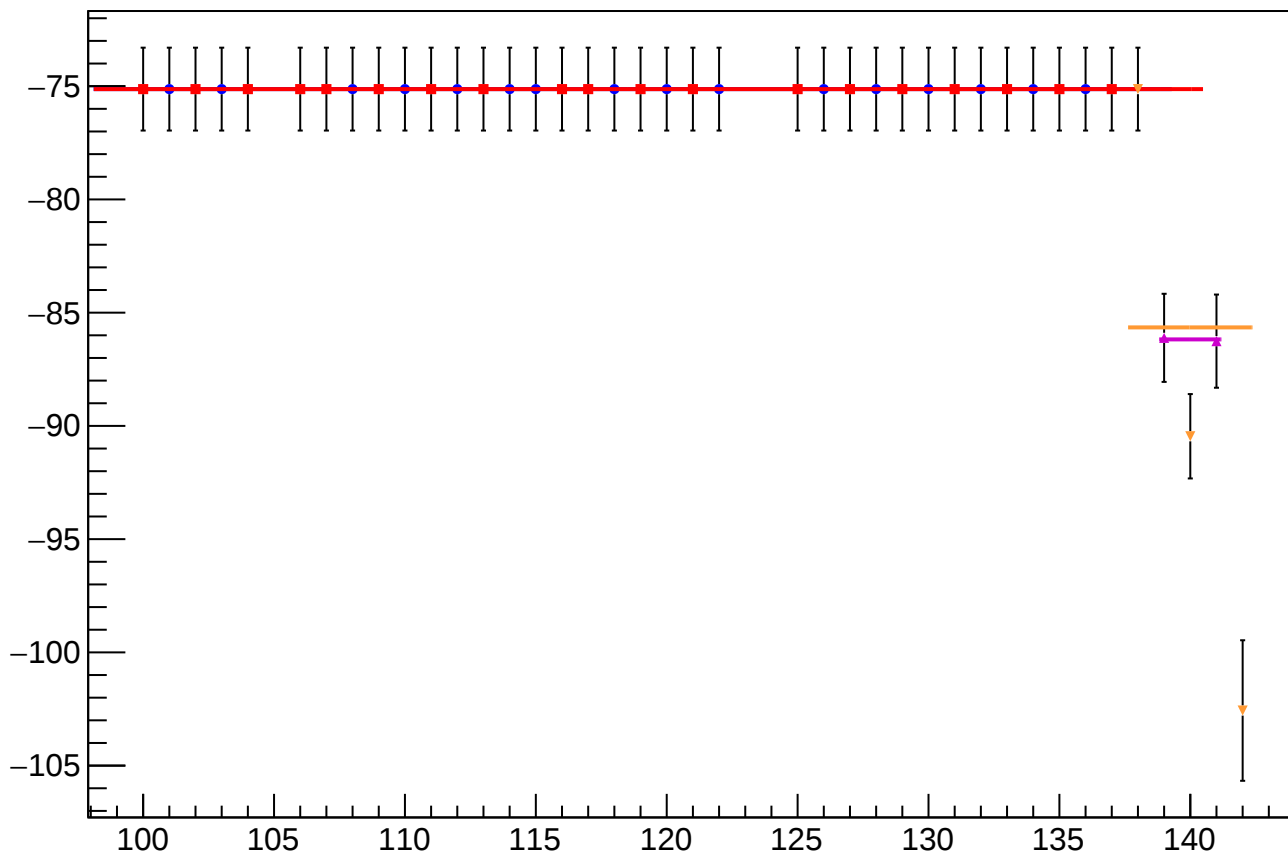
Right Out: -0.222 ± 0.004 $\chi^2/\text{NDF}: 7527.0/19$

Left In: 0.206 ± 0.008 $\chi^2/\text{NDF}: 49.8/1$

-0.039 ± 0.004 $\chi^2/\text{NDF}: 10062.6/19$

-0.125 ± 0.004 $\chi^2/\text{NDF}: 9824.4/21$

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -75.129 $\pm$ 0.457 χ^2 /NDF: 0.0/15

Left Out: -85.651 $\pm$ 1.203 χ^2 /NDF: 69.4/2

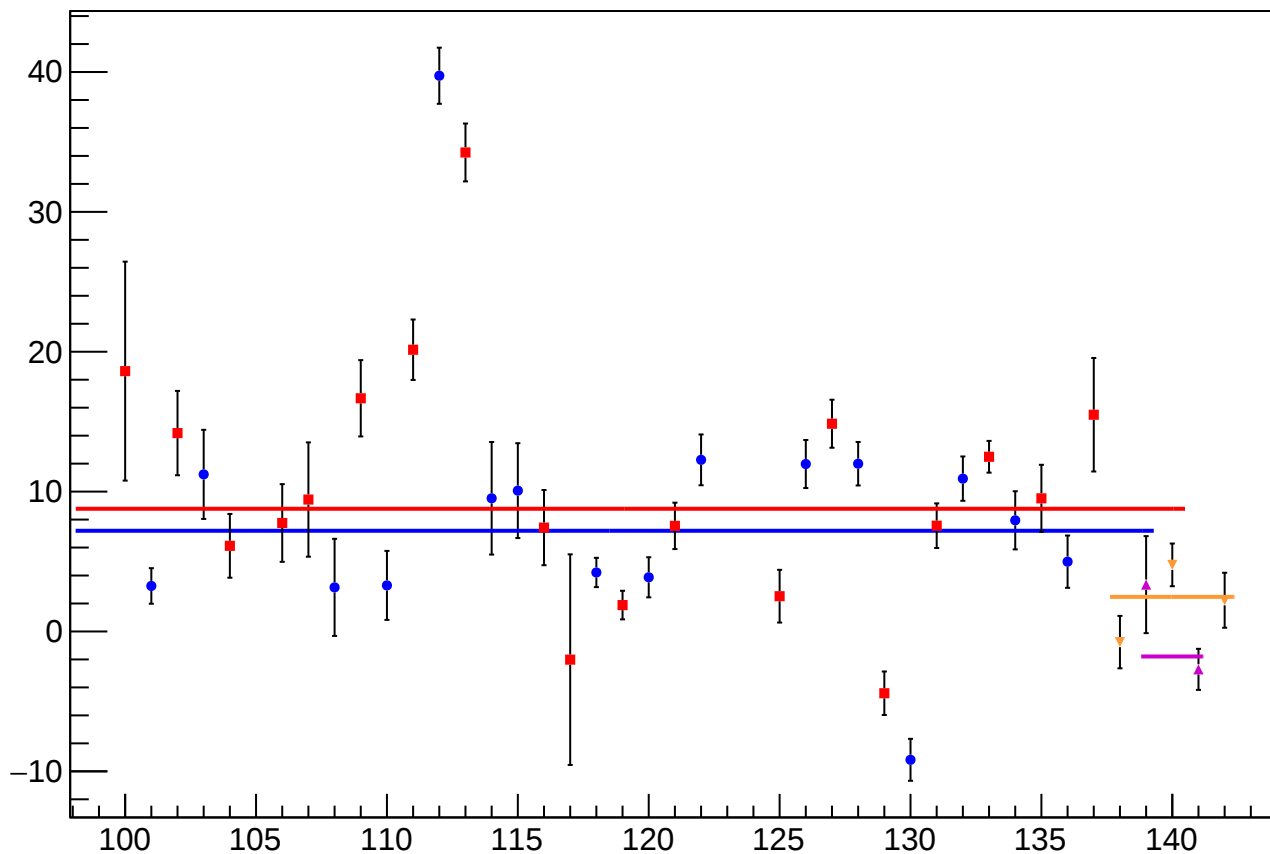
Right Out: -75.129 $\pm$ 0.420 χ^2 /NDF: 0.0/18

Left In: -86.181 $\pm$ 1.414 χ^2 /NDF: 0.0/1

-76.458 $\pm$ 0.428 χ^2 /NDF: 136.3/18

-76.025 $\pm$ 0.402 χ^2 /NDF: 56.2/20

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.474 ± 1.014 χ^2/NDF : 5.2/2

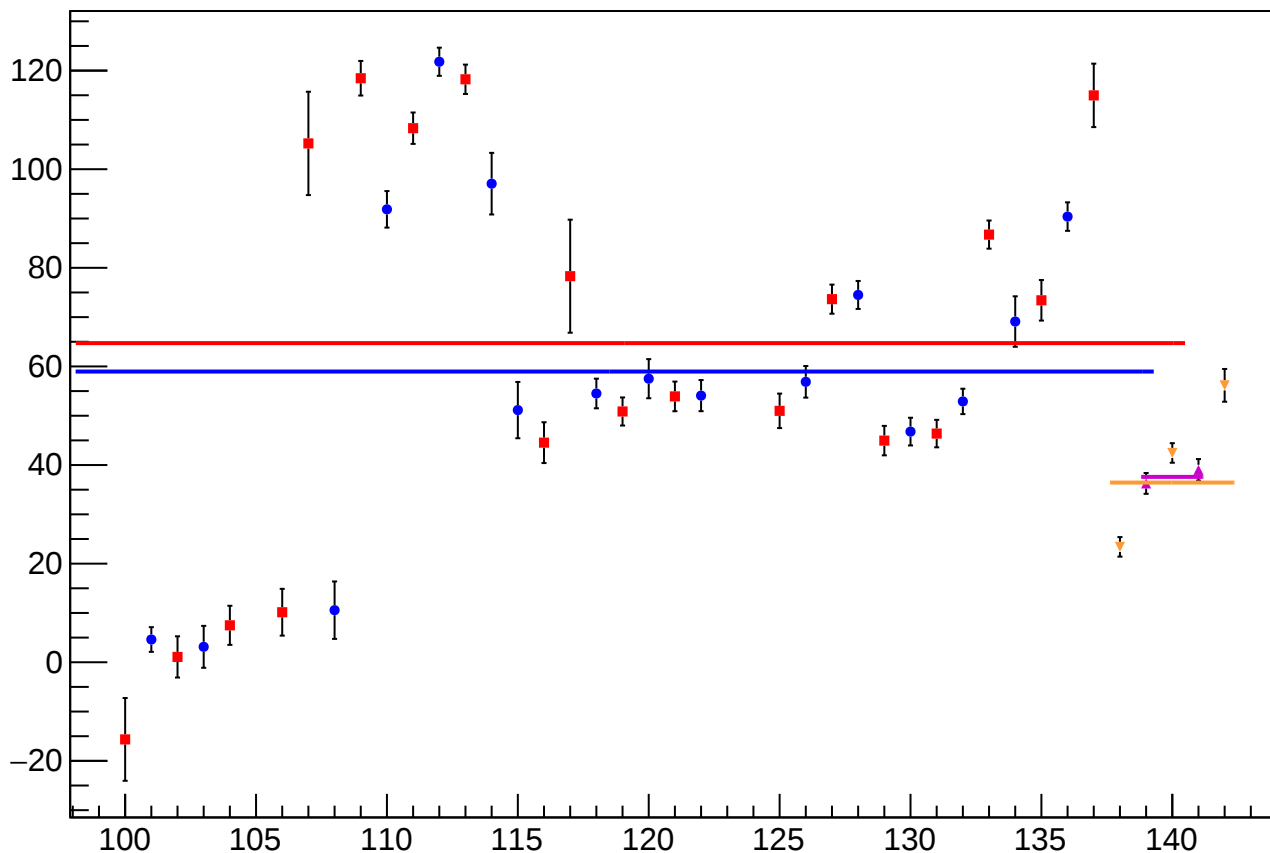
Right Out: 8.772 ± 0.447 χ^2/NDF : 351.7/18

Left In: -1.788 ± 1.352 χ^2/NDF : 2.6/1

6.452 ± 0.403 χ^2/NDF : 467.3/18

7.731 ± 0.424 χ^2/NDF : 409.3/20

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 36.447 $\pm$ 1.292 χ^2 /NDF: 87.6/2

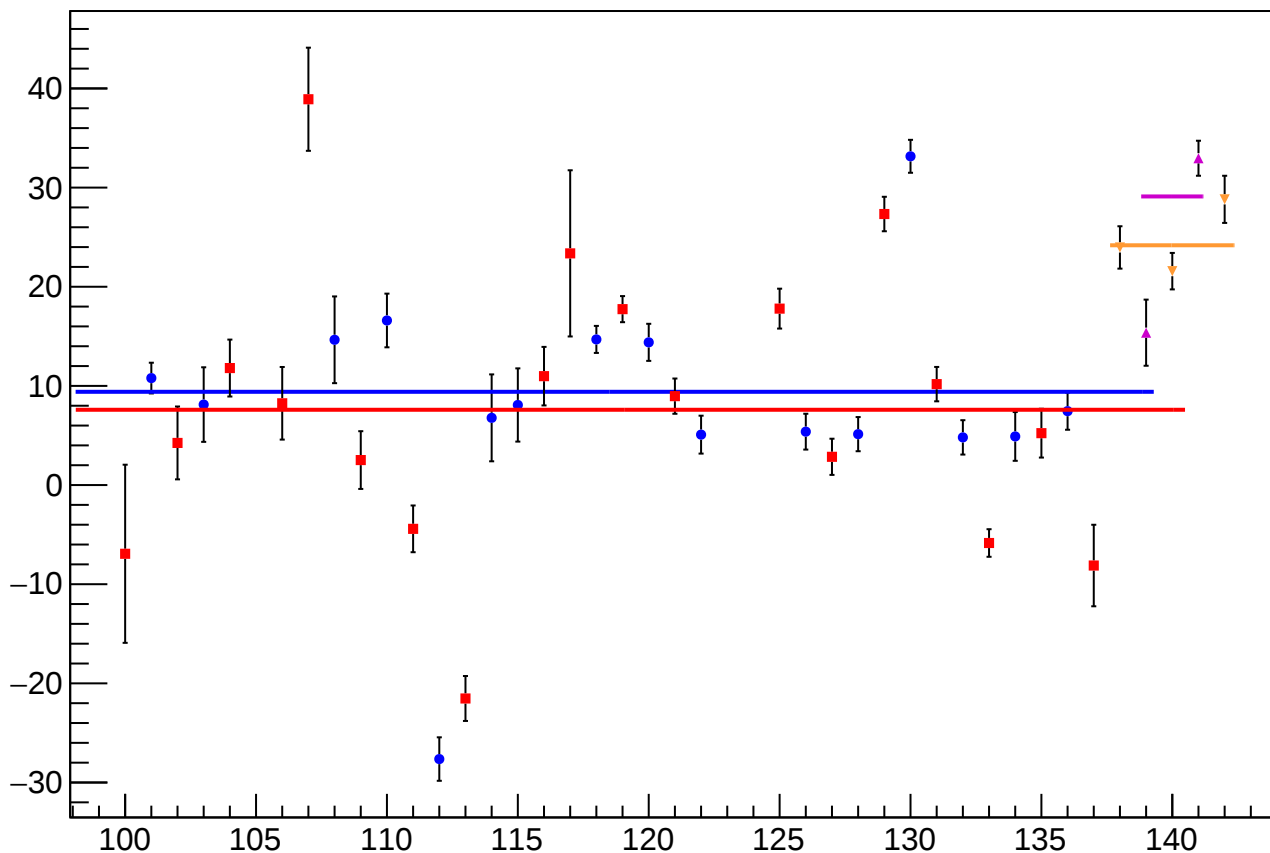
Right Out: 64.728 $\pm$ 0.838 χ^2 /NDF: 1723.2/18

Left In: 37.599 $\pm$ 1.519 χ^2 /NDF: 0.8/1

52.309 $\pm$ 0.702 χ^2 /NDF: 1798.0/18

58.398 $\pm$ 0.734 χ^2 /NDF: 1968.7/20

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 24.183 ± 1.203 χ^2/NDF : 5.8/2

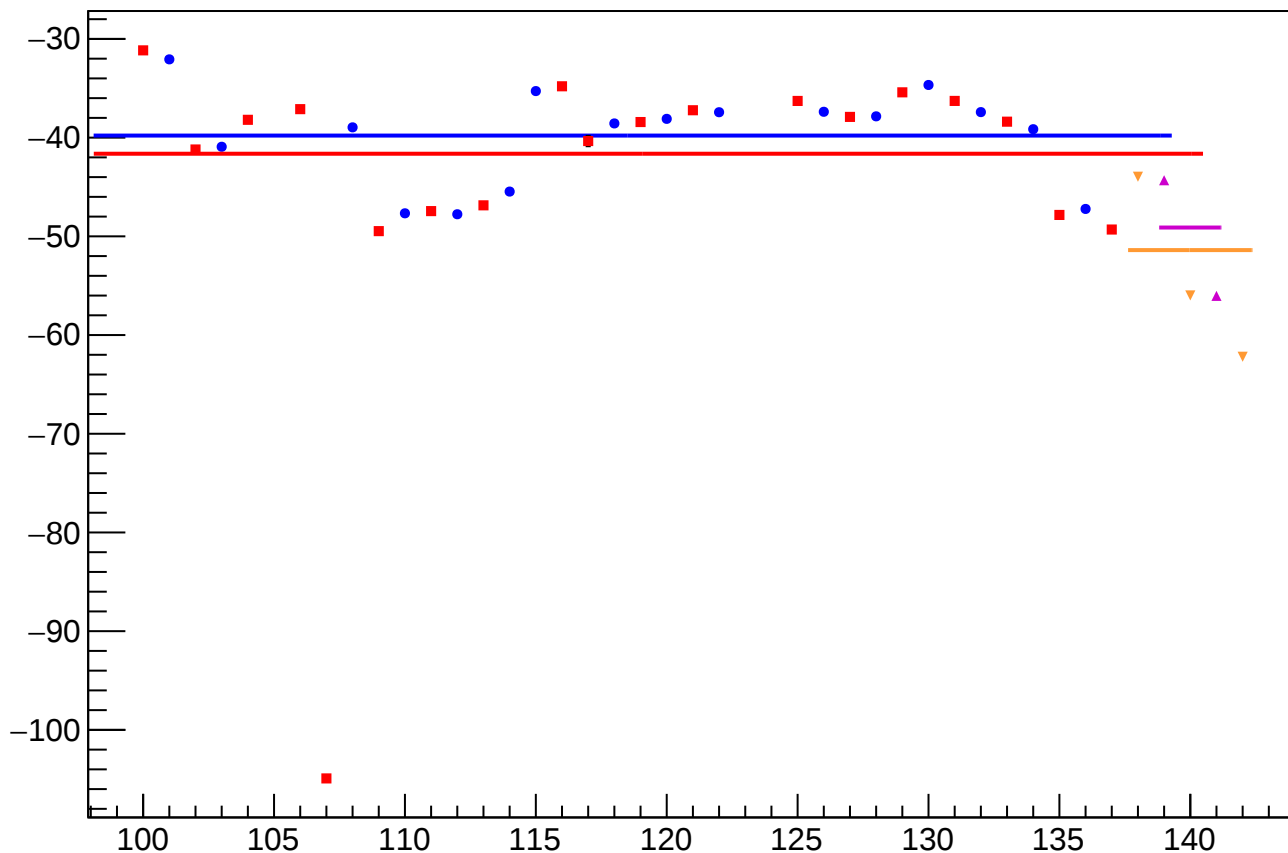
Right Out: 7.593 ± 0.514 χ^2/NDF : 573.4/18

Left In: 29.107 ± 1.561 χ^2/NDF : 21.7/1

11.633 ± 0.467 χ^2/NDF : 683.5/18

9.697 ± 0.488 χ^2/NDF : 766.6/20

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -51.394 ± 0.053 χ^2/NDF : 18446.1/2

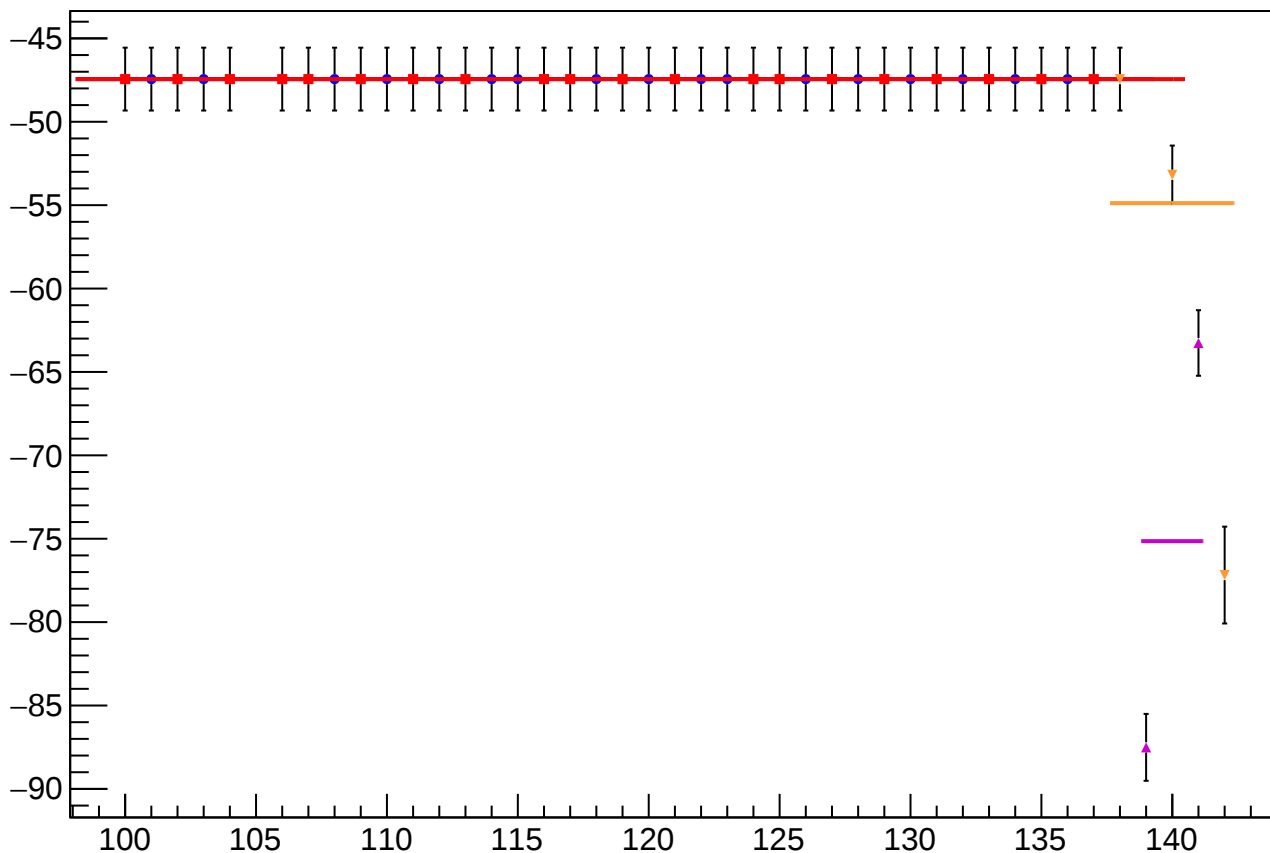
Right Out: -41.631 ± 0.031 χ^2/NDF : 94399.1/18

Left In: -49.108 ± 0.057 χ^2/NDF : 10357.8/1

-42.766 ± 0.027 χ^2/NDF : 79988.1/18

-43.370 ± 0.027 χ^2/NDF : 118154.7/20

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -47.442 ± 0.457 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -54.877 ± 1.174 $\chi^2/\text{NDF}: 75.5/2$

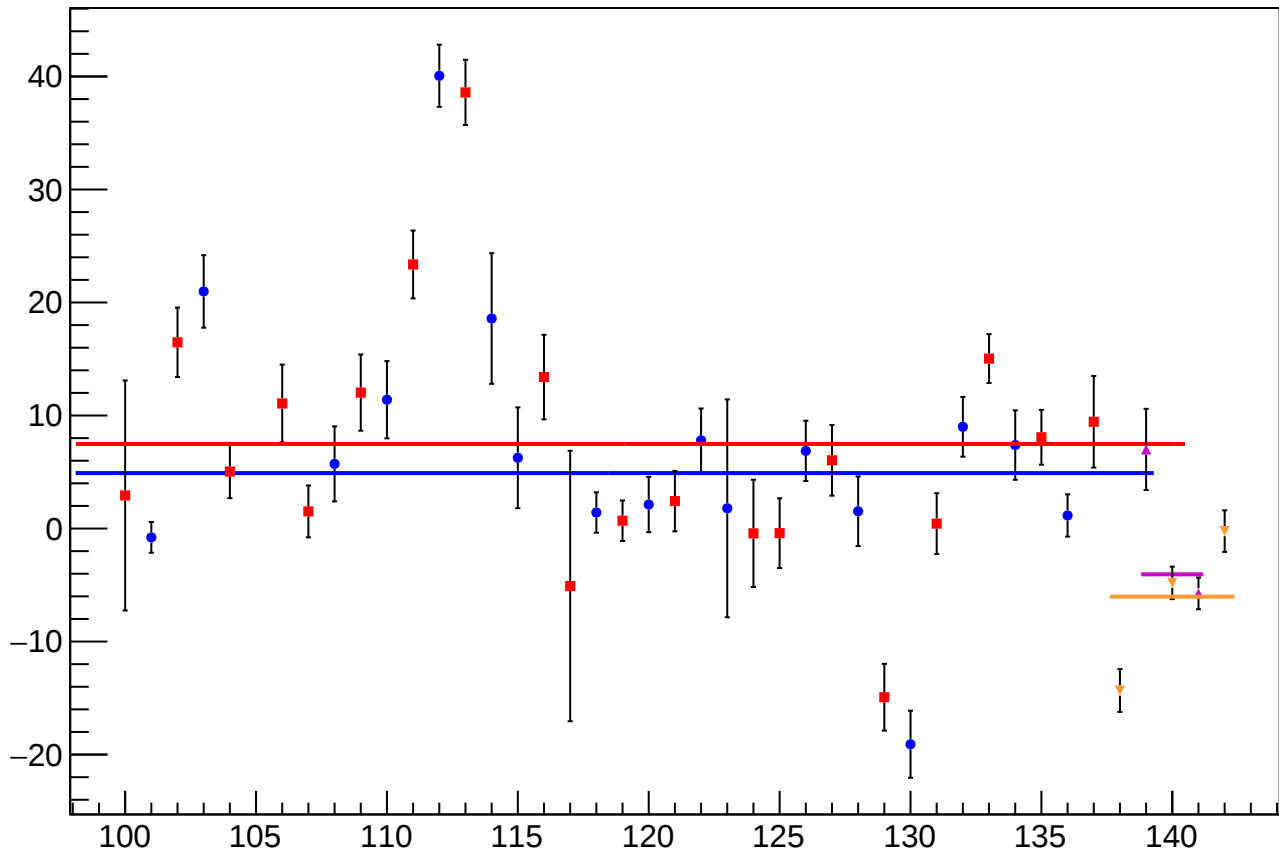
Right Out: -47.442 ± 0.421 $\chi^2/\text{NDF}: 0.0/19$

Left In: -75.145 ± 1.404 $\chi^2/\text{NDF}: 74.6/1$

-48.421 ± 0.426 $\chi^2/\text{NDF}: 110.3/19$

-49.733 ± 0.404 $\chi^2/\text{NDF}: 431.9/21$

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 $\pm$ 0.628 χ^2 /NDF: 295.4/16

Left Out: -6.029 $\pm$ 0.972 χ^2 /NDF:29.9/2

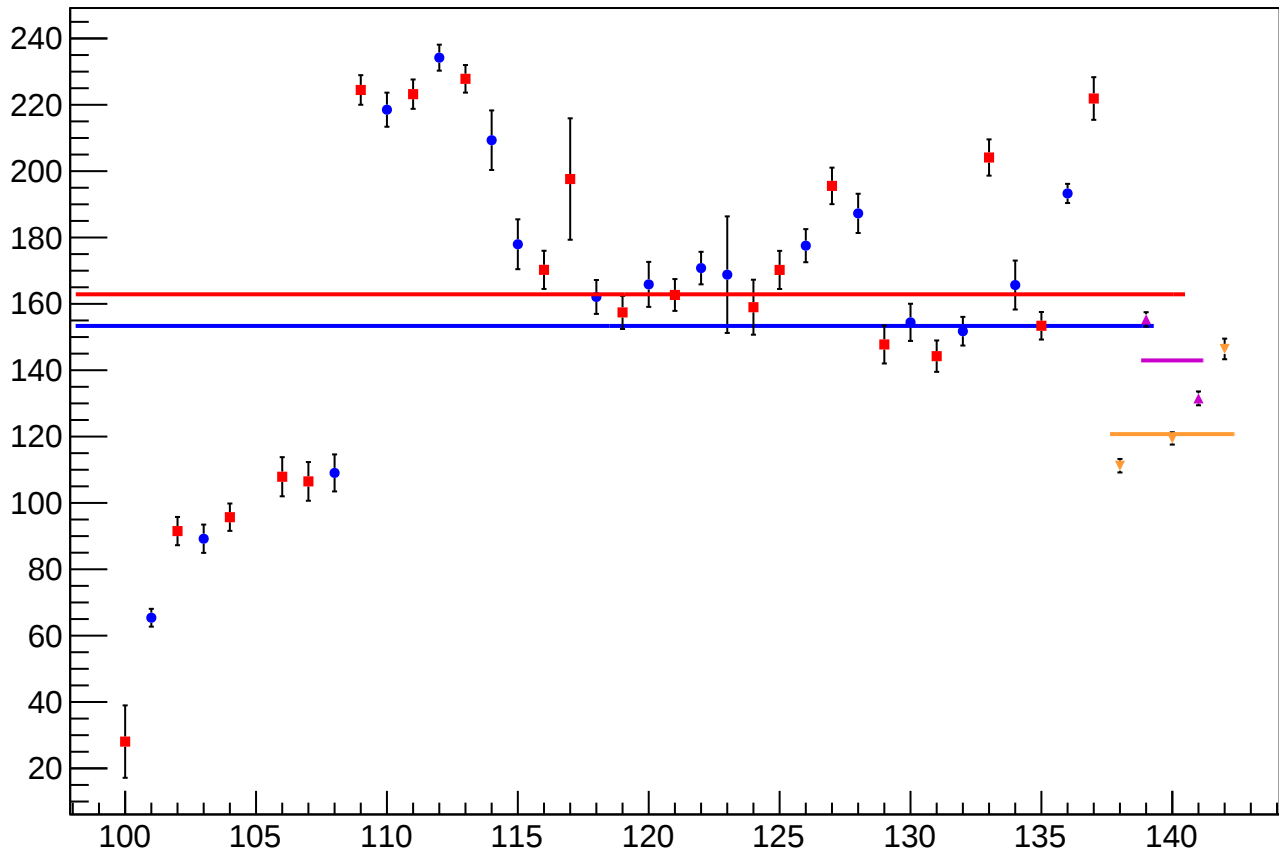
Right Out: 7.486 $\pm$ 0.650 χ^2 /NDF: 271.7/19

Left In: -4.050 $\pm$ 1.307 χ^2 /NDF:10.9/1

1.688 $\pm$ 0.527 χ^2 /NDF: 414.6/19

5.201 $\pm$ 0.582 χ^2 /NDF: 345.1/21

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 120.746+/-1.260 χ^2/NDF : 90.5/2

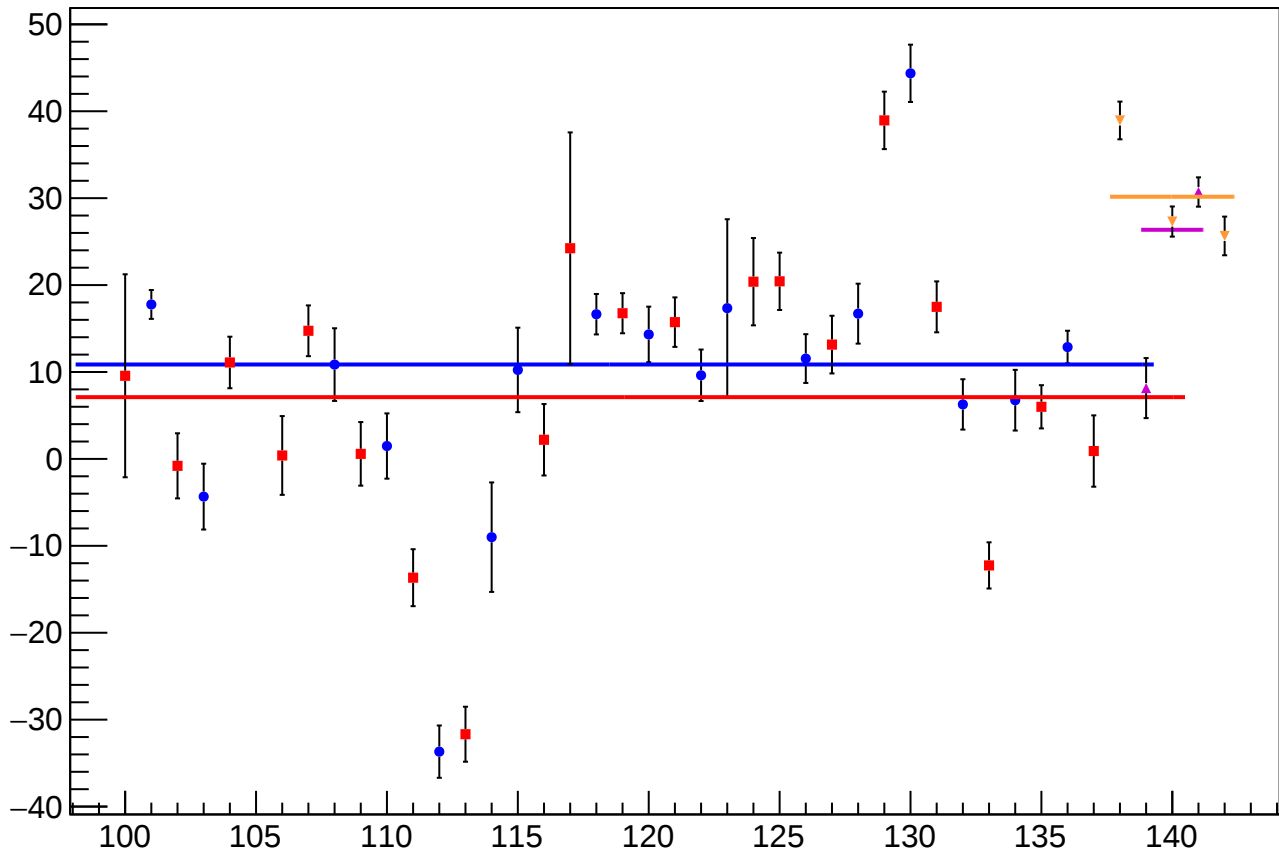
Right Out: 162.878+/-1.174 χ^2/NDF : 1712.4/19

Left In: 142.955+/-1.506 χ^2/NDF : 62.4/1

138.525+/-0.849 χ^2/NDF : 2724.1/19

155.345+/-0.926 χ^2/NDF : 1883.6/21

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 ± 0.719 $\chi^2/\text{NDF}: 387.9/16$

Left Out: 30.164 ± 1.157 $\chi^2/\text{NDF}: 23.2/2$

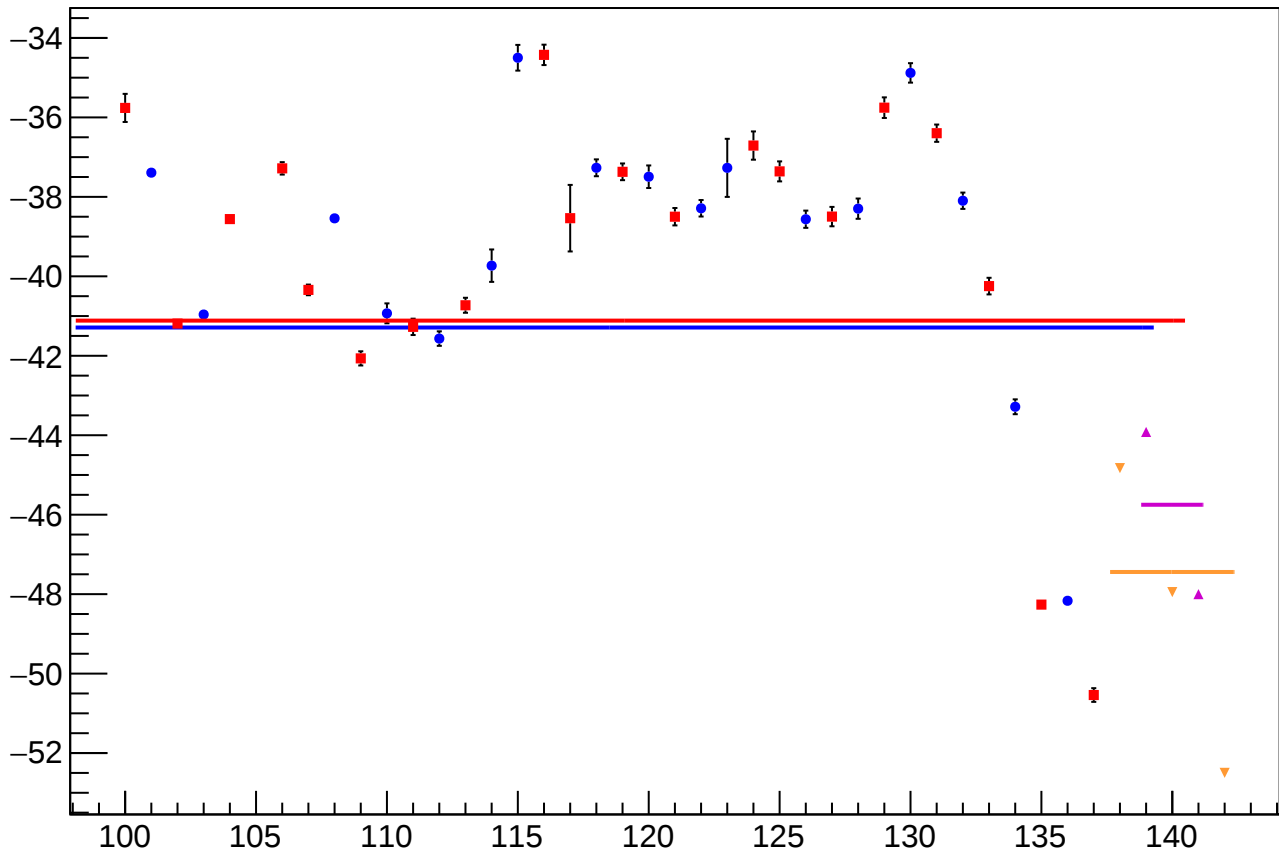
Right Out: 7.106 ± 0.746 $\chi^2/\text{NDF}: 426.4/19$

Left In: 26.362 ± 1.516 $\chi^2/\text{NDF}: 34.4/1$

16.247 ± 0.611 $\chi^2/\text{NDF}: 611.8/19$

10.861 ± 0.670 $\chi^2/\text{NDF}: 590.6/21$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289+/-0.039 χ^2/NDF : 12509.1/16

Left Out: -47.442+/-0.052 χ^2/NDF : 2729.0/2

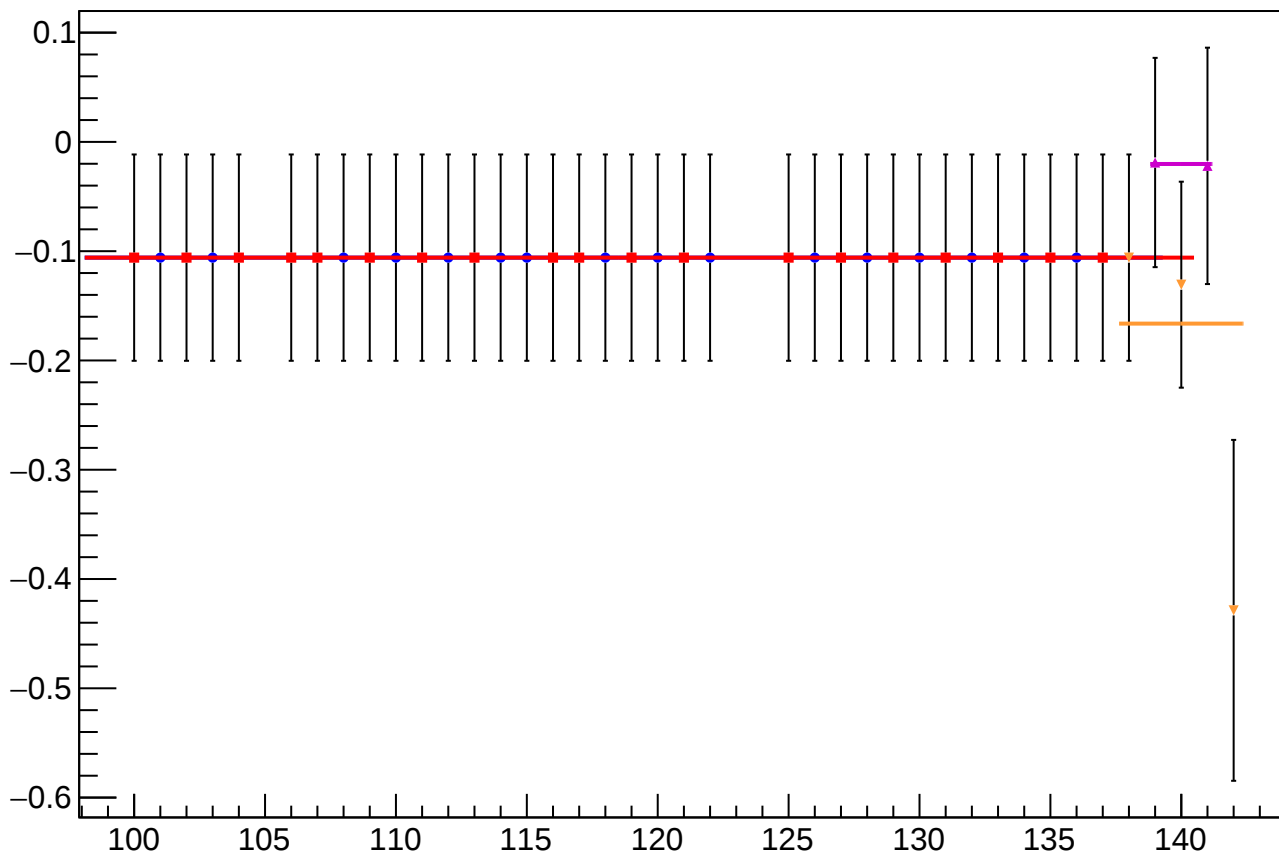
Right Out: -41.115+/-0.039 χ^2/NDF : 12120.1/19

Left In: -45.750+/-0.057 χ^2/NDF : 1286.0/1

-43.469+/-0.031 χ^2/NDF : 24238.5/19

-42.587+/-0.032 χ^2/NDF : 17978.3/21

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: -0.106 $\pm$ 0.024 χ^2 /NDF: 0.0/15

Left Out: -0.166 $\pm$ 0.061 χ^2 /NDF: 3.4/2

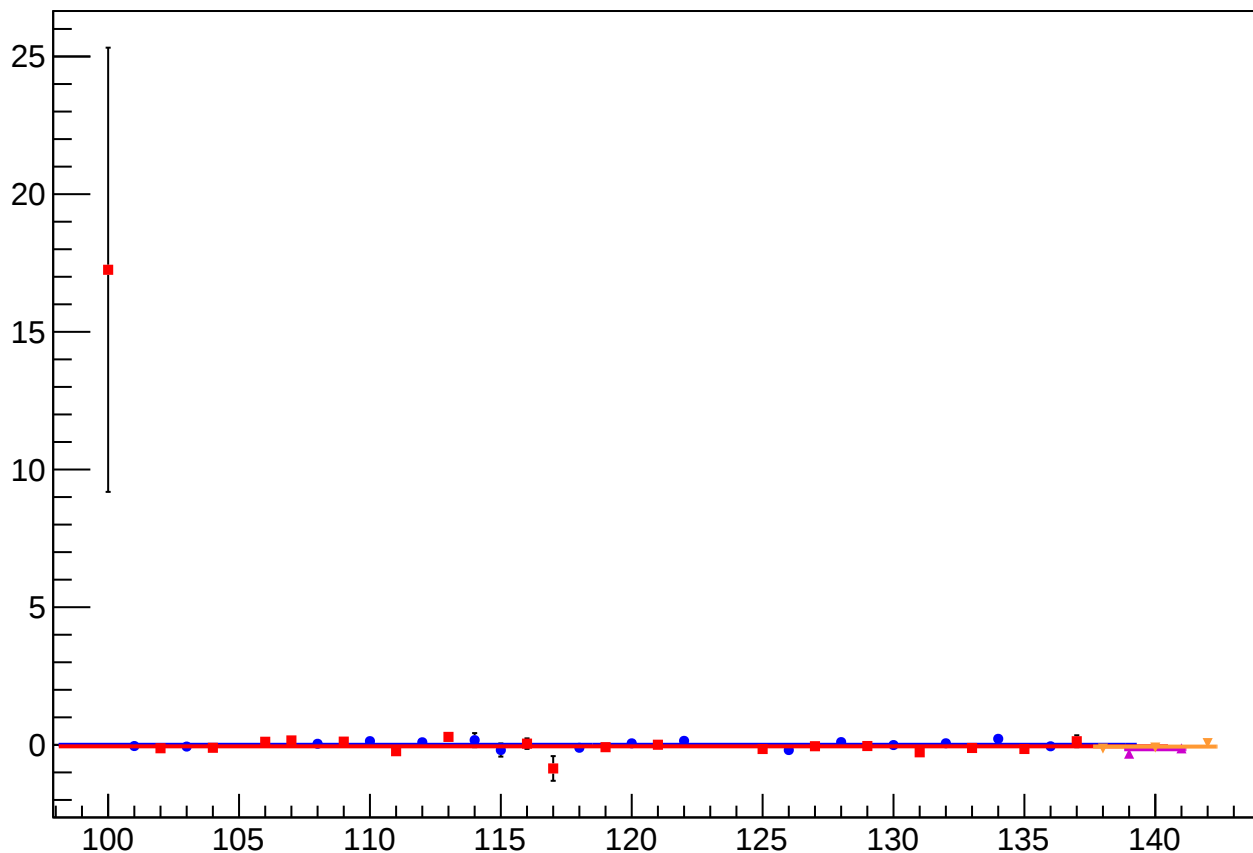
Right Out: -0.106 $\pm$ 0.022 χ^2 /NDF: 0.0/18

Left In: -0.020 $\pm$ 0.072 χ^2 /NDF: 0.0/1

-0.114 $\pm$ 0.022 χ^2 /NDF: 4.2/18

-0.099 $\pm$ 0.021 χ^2 /NDF: 1.3/20

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.062 ± 0.052 χ^2/NDF : 2.3/2

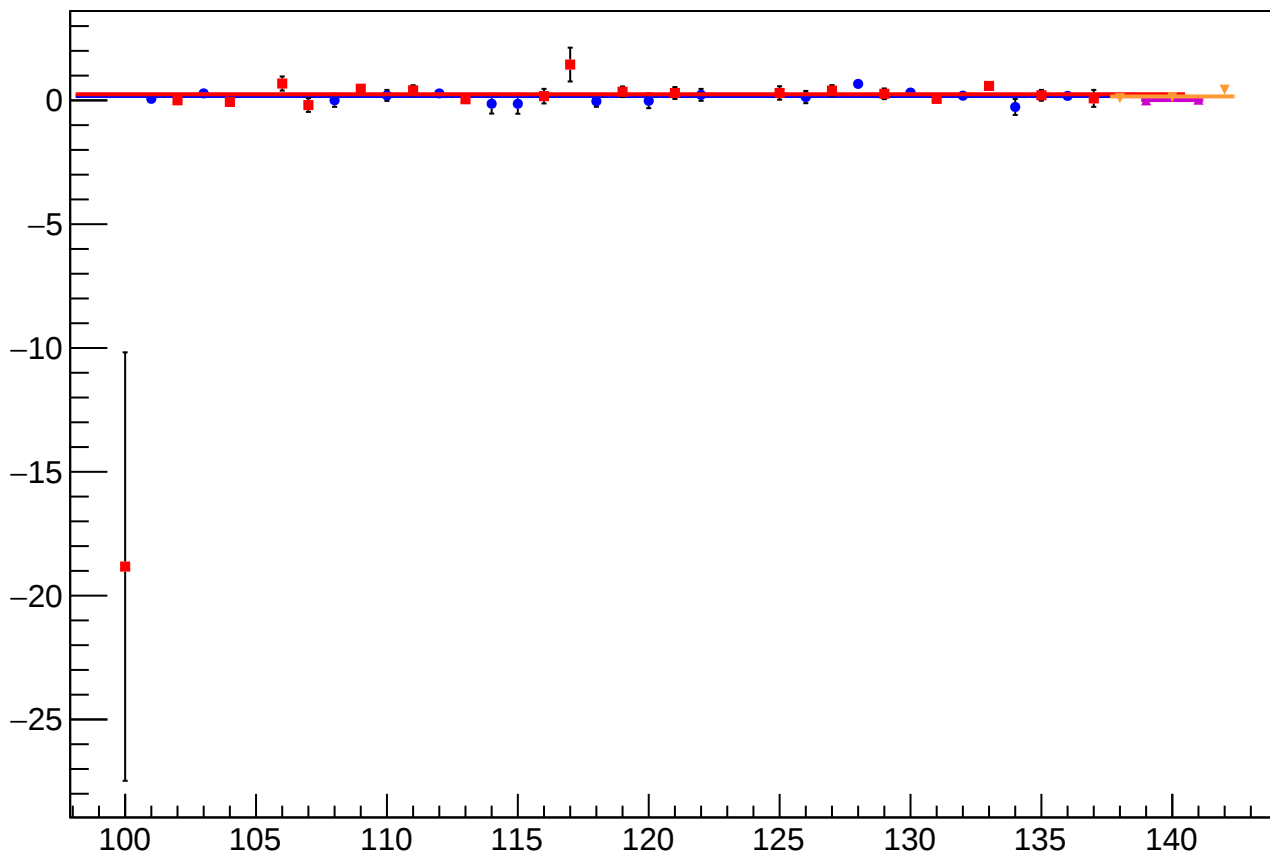
Right Out: -0.053 ± 0.029 χ^2/NDF : 28.8/18

Left In: -0.159 ± 0.071 χ^2/NDF : 1.0/1

-0.012 ± 0.025 χ^2/NDF : 16.0/18

-0.069 ± 0.027 χ^2/NDF : 31.8/20

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.159+/-0.066 χ^2/NDF : 3.2/2

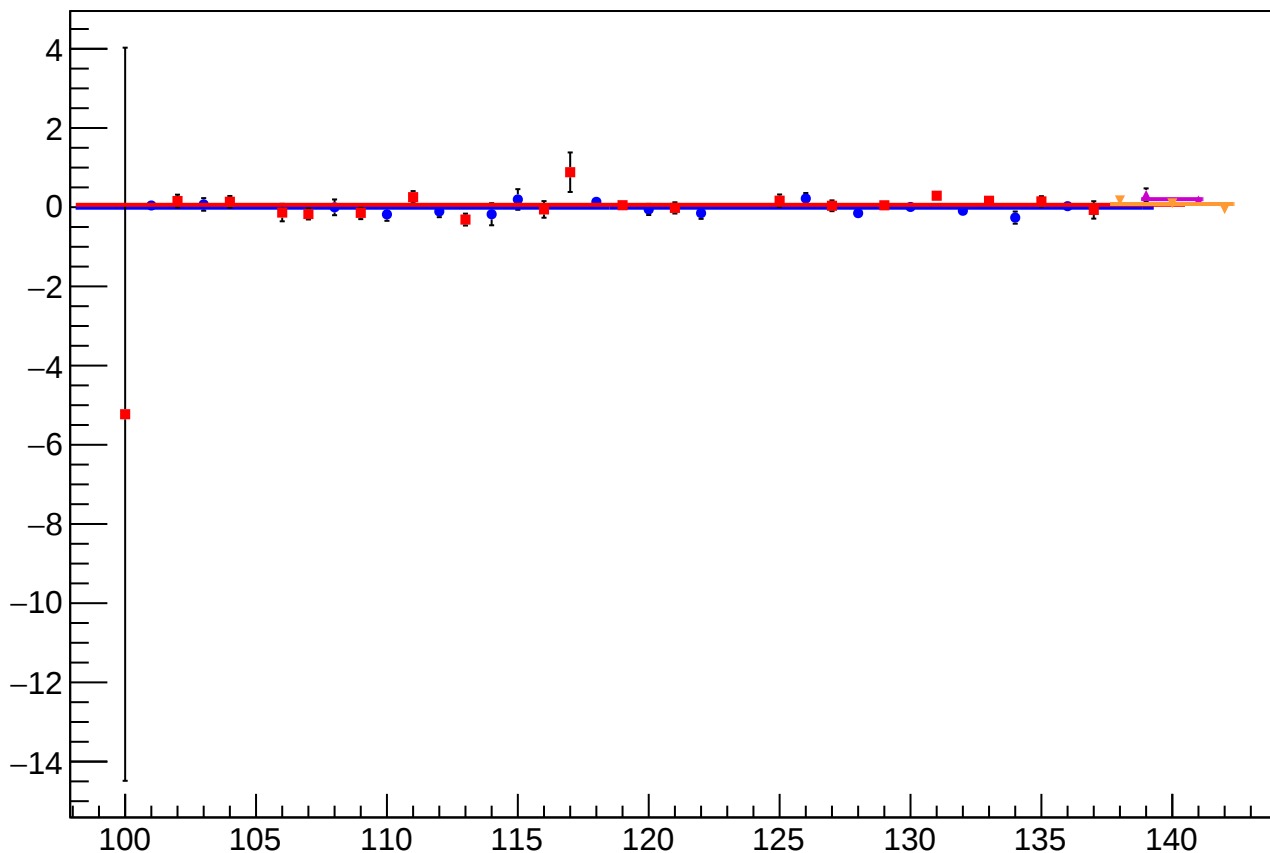
Right Out: 0.247+/-0.054 χ^2/NDF : 24.7/18

Left In: 0.013+/-0.077 χ^2/NDF : 0.0/1

0.169+/-0.041 χ^2/NDF : 16.2/18

0.170+/-0.044 χ^2/NDF : 31.0/20

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.080 ± 0.062 χ^2/NDF : 1.8/2

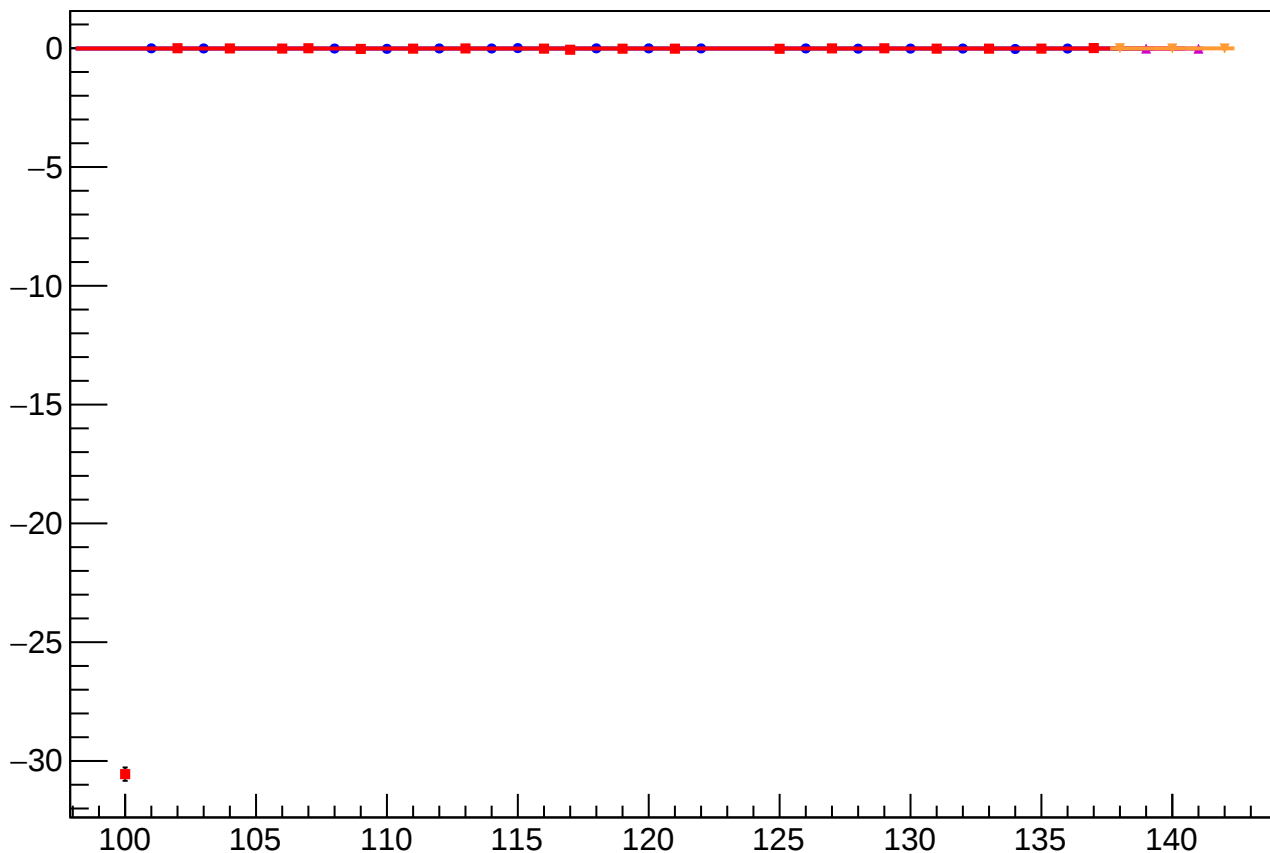
Right Out: 0.061 ± 0.034 χ^2/NDF : 23.1/18

Left In: 0.203 ± 0.081 χ^2/NDF : 0.6/1

0.008 ± 0.029 χ^2/NDF : 17.2/18

0.082 ± 0.031 χ^2/NDF : 26.2/20

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.006 $\pm$ 0.003 χ^2 /NDF: 2.5/2

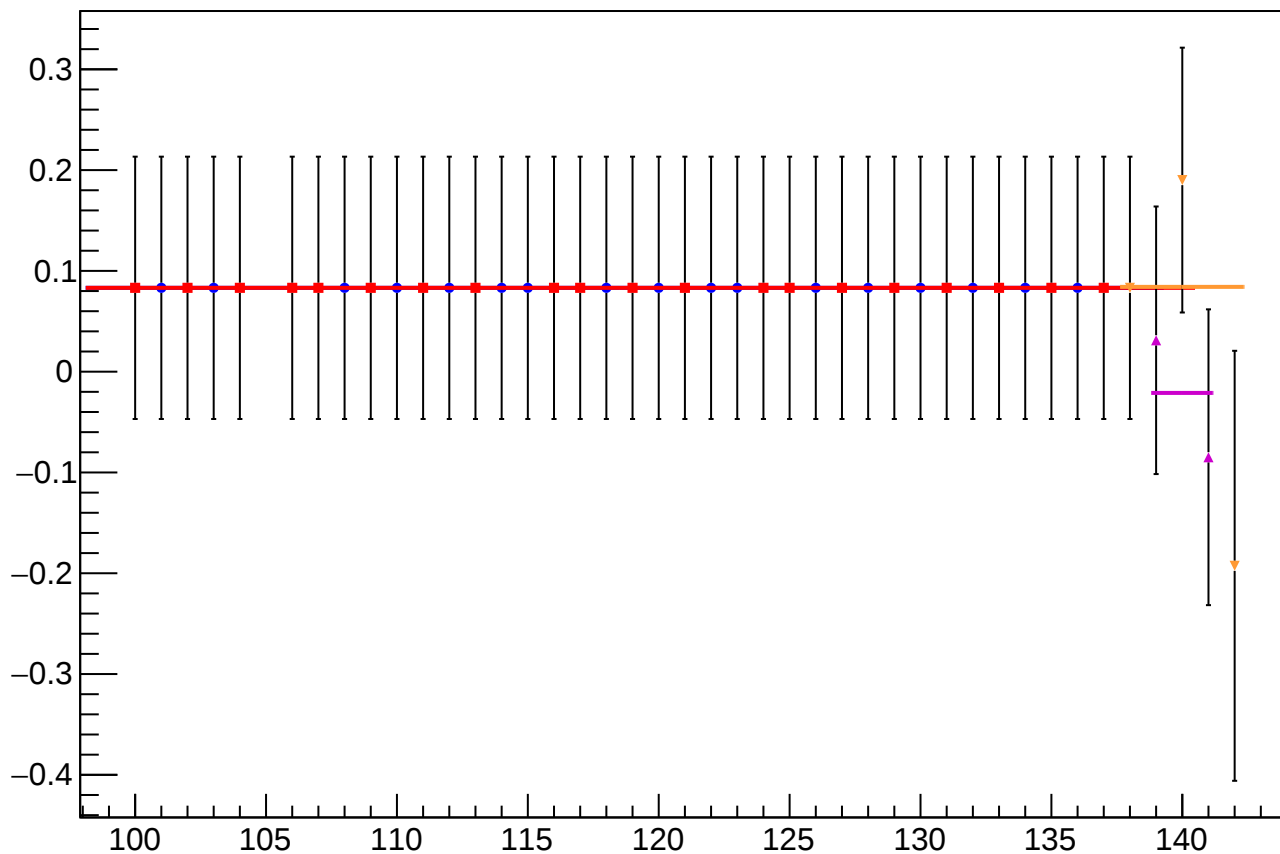
Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11894.0/18

Left In: -0.016 $\pm$ 0.003 χ^2 /NDF: 0.4/1

-0.010 $\pm$ 0.001 χ^2 /NDF: 18.3/18

-0.013 $\pm$ 0.002 χ^2 /NDF: 11895.6/20

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.083+/-0.032 χ^2/NDF : 0.0/16

Left Out: 0.084+/-0.085 χ^2/NDF : 2.3/2

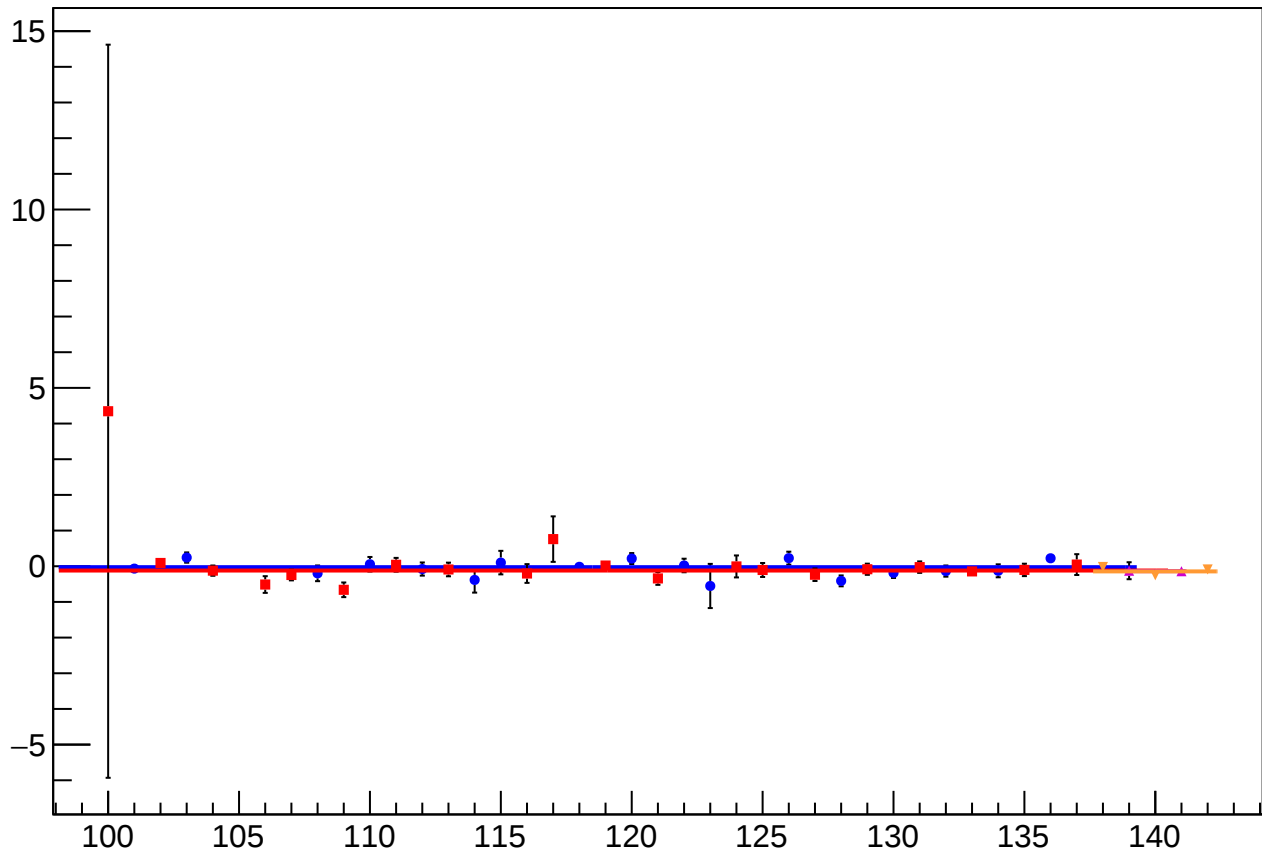
Right Out: 0.083+/-0.029 χ^2/NDF : 0.0/19

Left In: -0.021+/-0.098 χ^2/NDF : 0.3/1

0.083+/-0.030 χ^2/NDF : 2.3/19

0.075+/-0.028 χ^2/NDF : 1.4/21

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.144 ± 0.072 χ^2/NDF : 2.0/2

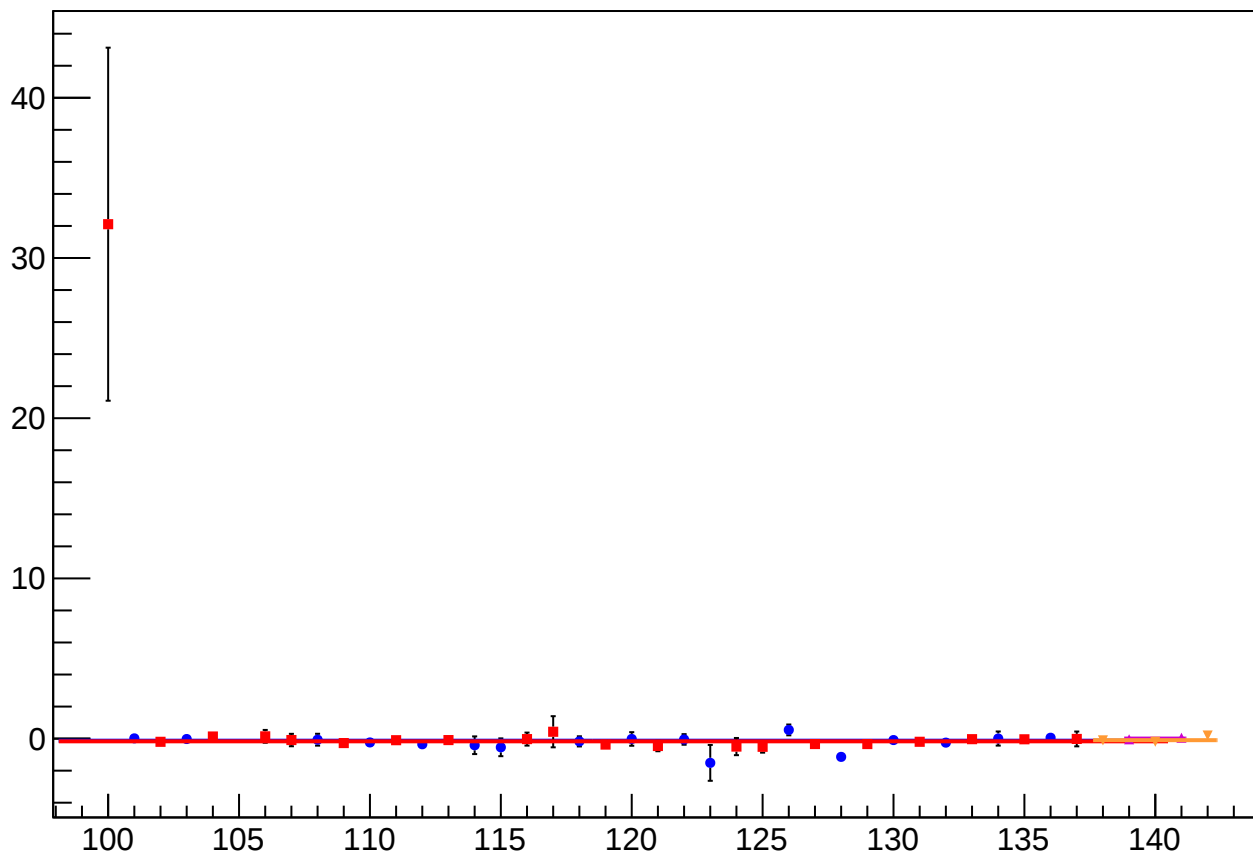
Right Out: -0.120 ± 0.039 χ^2/NDF : 20.2/19

Left In: -0.137 ± 0.096 χ^2/NDF : 0.0/1

-0.050 ± 0.033 χ^2/NDF : 26.8/19

-0.123 ± 0.036 χ^2/NDF : 20.2/21

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129±/0.067 χ^2/NDF : 23.1/16

Left Out: -0.097±/0.091 χ^2/NDF : 2.1/2

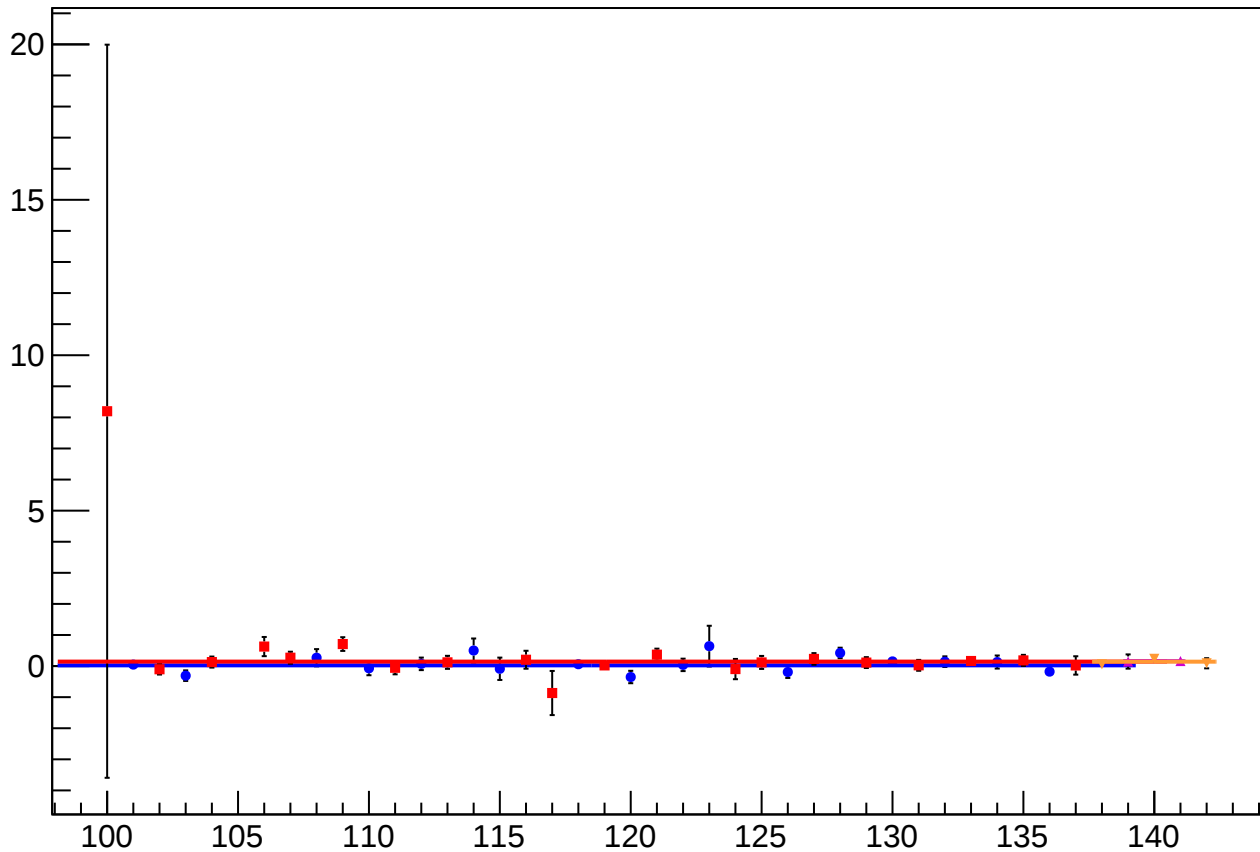
Right Out: -0.169±/0.071 χ^2/NDF : 15.3/19

Left In: 0.002±/0.106 χ^2/NDF : 0.2/1

-0.118±/0.054 χ^2/NDF : 25.3/19

-0.116±/0.059 χ^2/NDF : 17.3/21

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.142+/-0.085 χ^2/NDF : 0.9/2

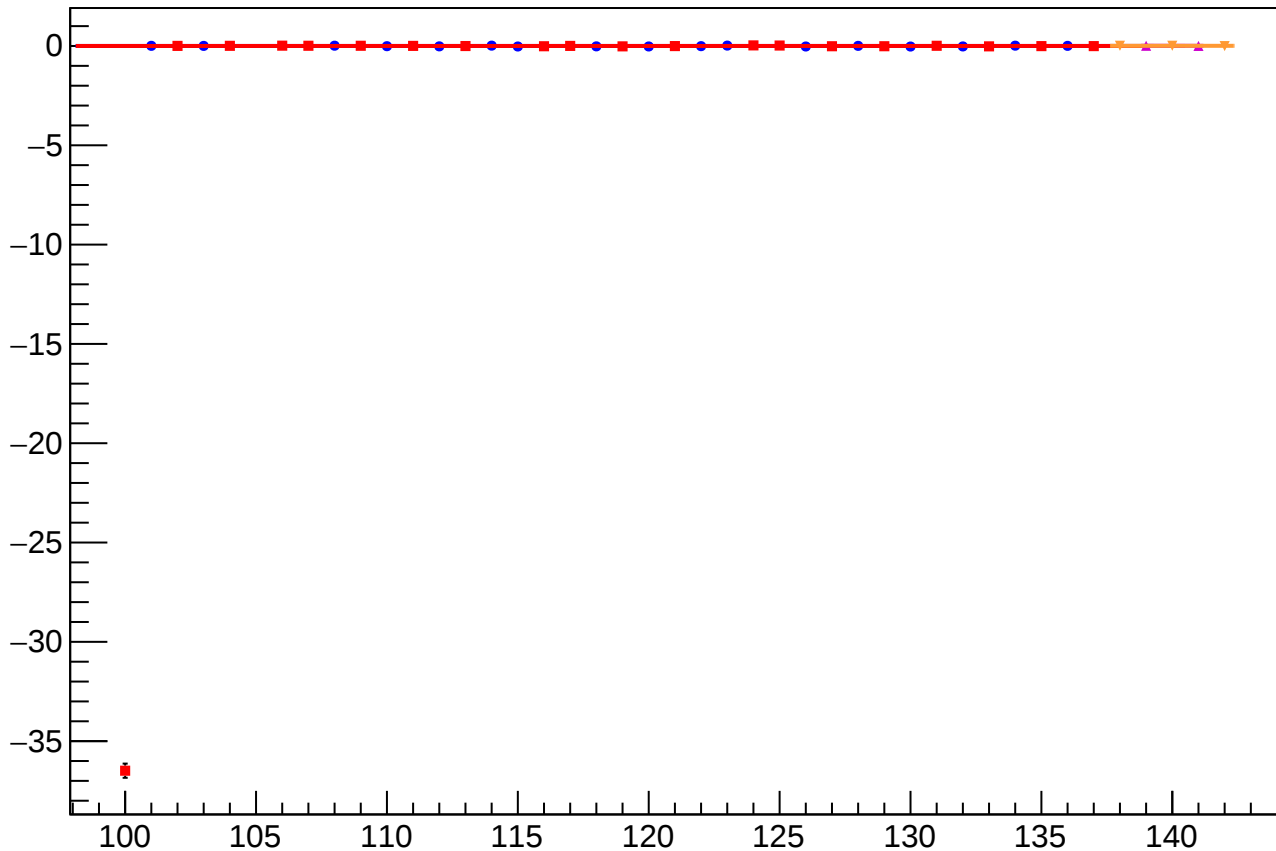
Right Out: 0.144+/-0.045 χ^2/NDF : 18.6/19

Left In: 0.158+/-0.111 χ^2/NDF : 0.0/1

0.047+/-0.038 χ^2/NDF : 23.8/19

0.146+/-0.042 χ^2/NDF : 18.7/21

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.6/16

Left Out: 0.009+/-0.004 χ^2/NDF : 3.2/2

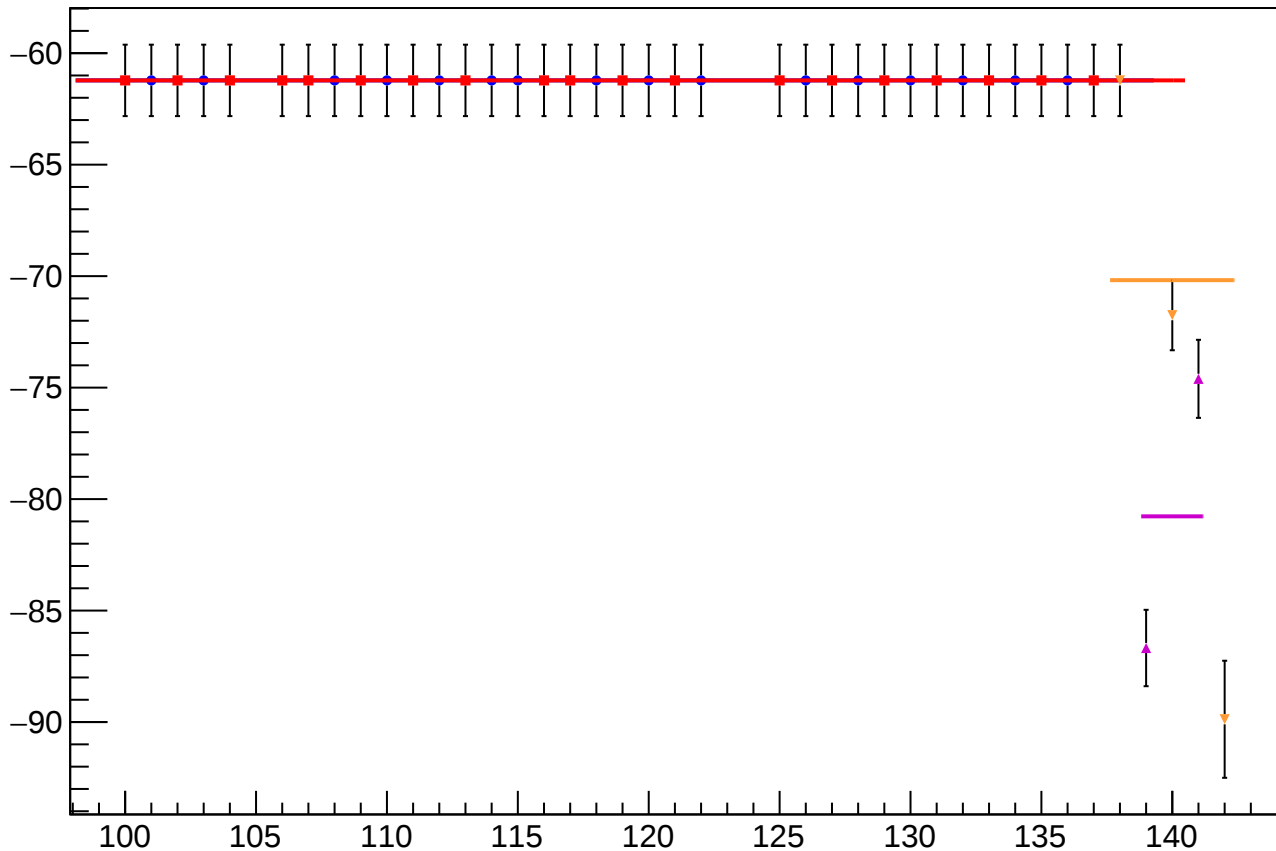
Right Out: 0.001+/-0.002 χ^2/NDF : 10449.1/19

Left In: 0.008+/-0.004 χ^2/NDF : 0.9/1

0.003+/-0.002 χ^2/NDF : 36.7/19

0.003+/-0.002 χ^2/NDF : 10452.6/21

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -61.220 $\pm$ 0.400 χ^2 /NDF: 0.0/15

Left Out: -70.180 $\pm$ 1.032 χ^2 /NDF:88.6/2

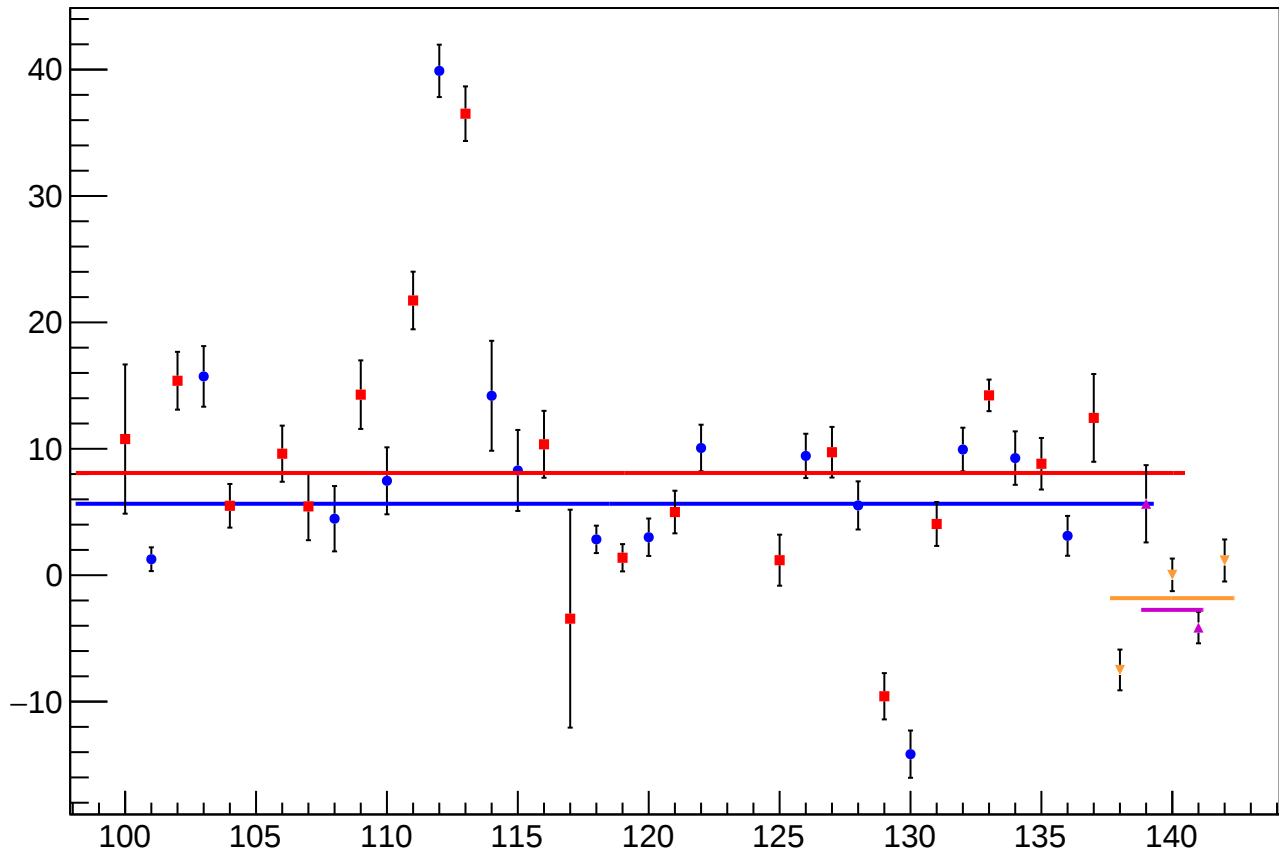
Right Out: -61.220 $\pm$ 0.368 χ^2 /NDF: 0.0/18

Left In: -80.774 $\pm$ 1.224 χ^2 /NDF:24.3/1

-62.393 $\pm$ 0.373 χ^2 /NDF: 154.0/18

-62.837 $\pm$ 0.352 χ^2 /NDF: 258.3/20

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 $\pm$ 0.429 χ^2 /NDF: 461.9/15

Left Out: -1.816 $\pm$ 0.861 χ^2 /NDF:17.7/2

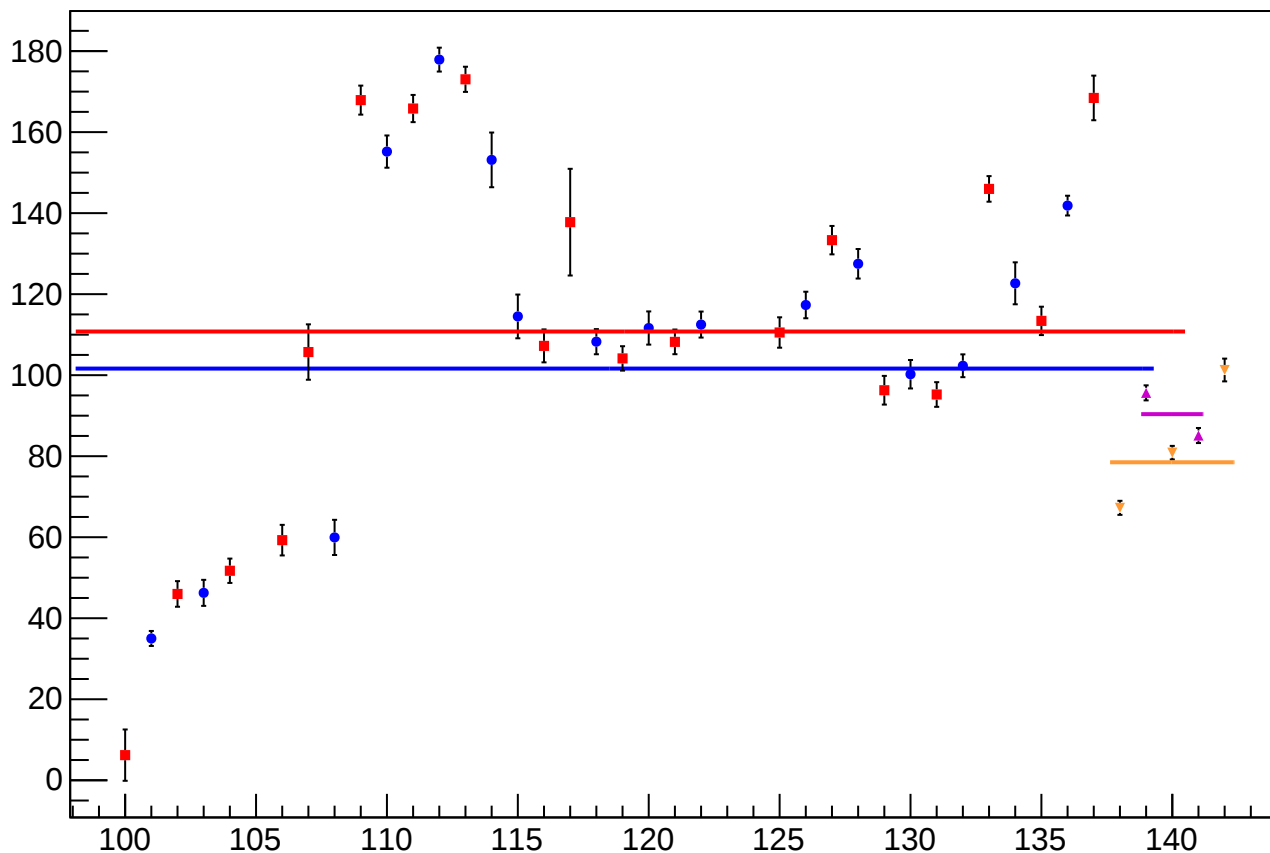
Right Out: 8.087 $\pm$ 0.452 χ^2 /NDF: 409.7/18

Left In: -2.743 $\pm$ 1.156 χ^2 /NDF:8.8/1

4.165 $\pm$ 0.384 χ^2 /NDF: 539.8/18

6.651 $\pm$ 0.421 χ^2 /NDF: 494.6/20

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 78.500 $\pm$ 1.108 χ^2 /NDF:109.7/2

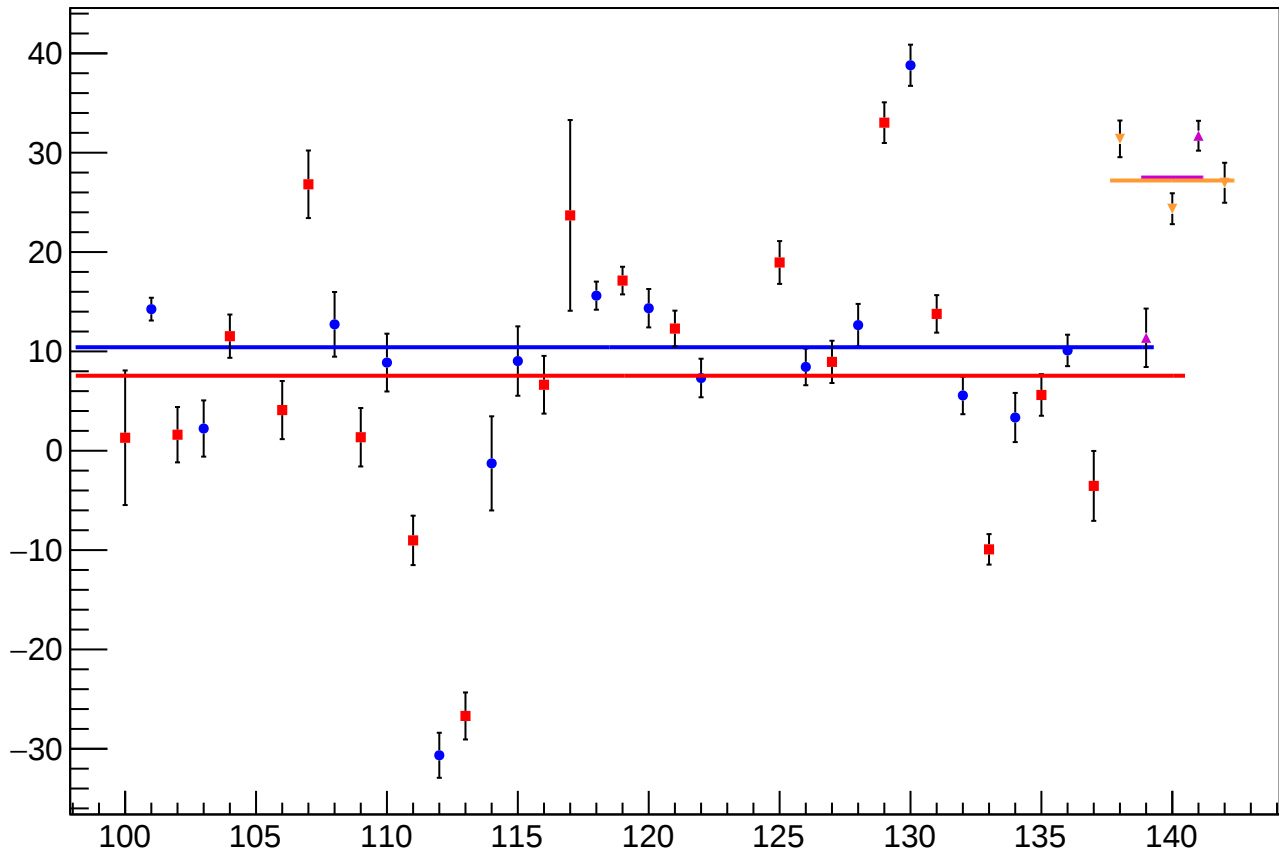
Right Out: 110.778 $\pm$ 0.834 χ^2 /NDF: 2518.3/18

Left In: 90.380 $\pm$ 1.315 χ^2 /NDF:16.0/1

93.549 $\pm$ 0.655 χ^2 /NDF: 3373.3/18

104.920 $\pm$ 0.704 χ^2 /NDF: 2705.9/20

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 27.202 ± 1.024 $\chi^2/\text{NDF}: 8.5/2$

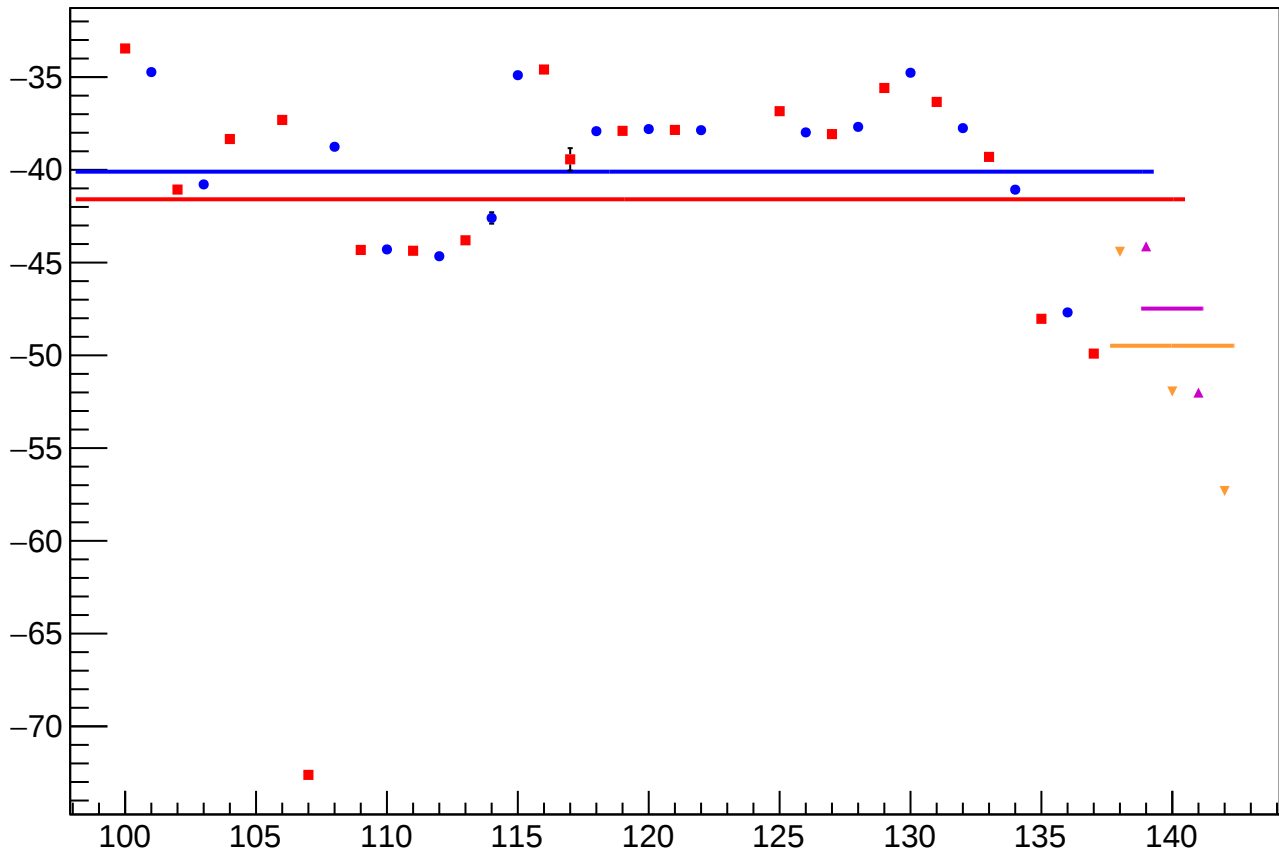
Right Out: 7.550 ± 0.522 $\chi^2/\text{NDF}: 692.3/18$

Left In: 27.497 ± 1.338 $\chi^2/\text{NDF}: 37.9/1$

13.624 ± 0.447 $\chi^2/\text{NDF}: 805.7/18$

10.190 ± 0.487 $\chi^2/\text{NDF}: 923.1/20$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098+/-0.028 χ^2/NDF : 25073.4/15

Left Out: -49.483+/-0.046 χ^2/NDF :11383.6/2

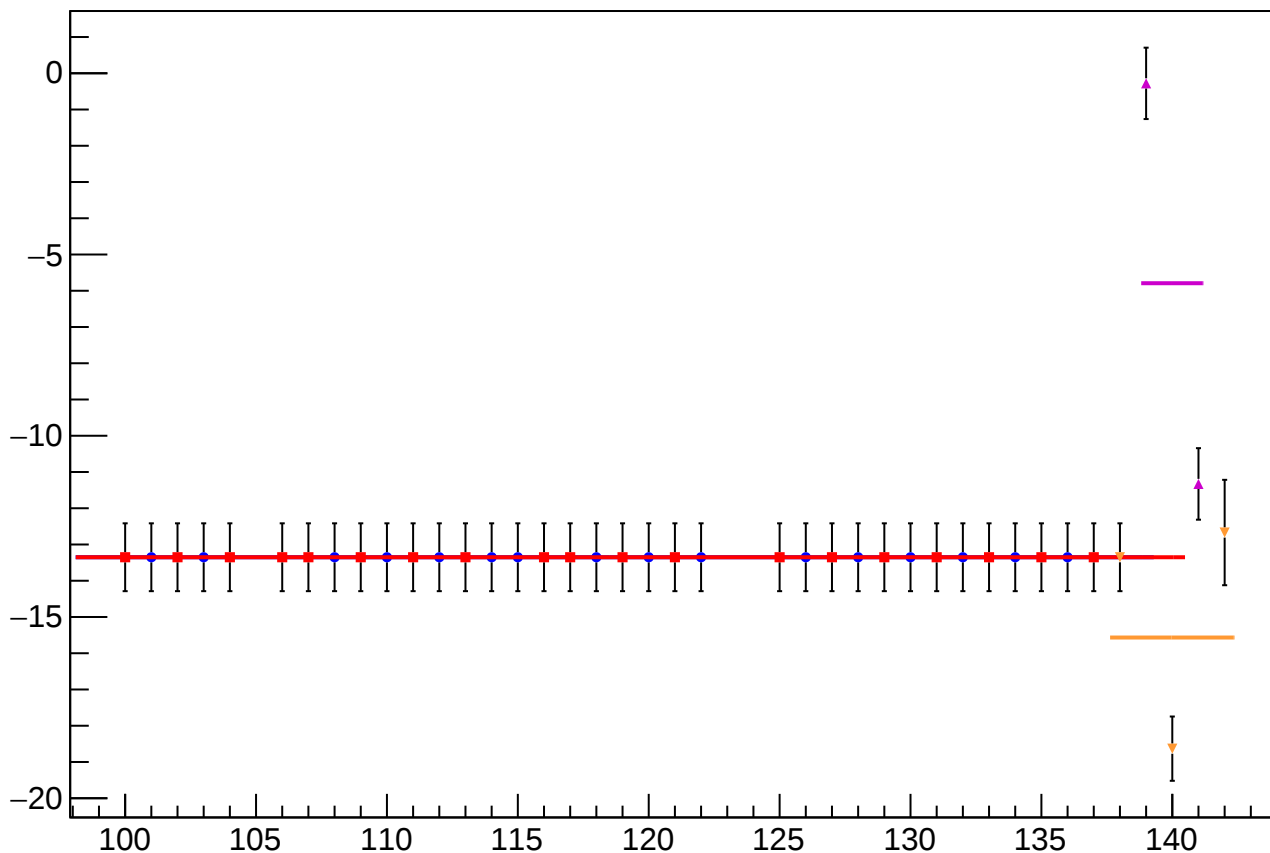
Right Out: -41.588+/-0.029 χ^2/NDF : 61690.5/18

Left In: -47.480+/-0.049 χ^2/NDF :6280.3/1

-42.694+/-0.024 χ^2/NDF : 66830.8/18

-43.074+/-0.025 χ^2/NDF : 78703.0/20

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: -13.352 ± 0.234 $\chi^2/\text{NDF}: 0.0/15$

Left Out: -15.566 ± 0.589 $\chi^2/\text{NDF}: 21.5/2$

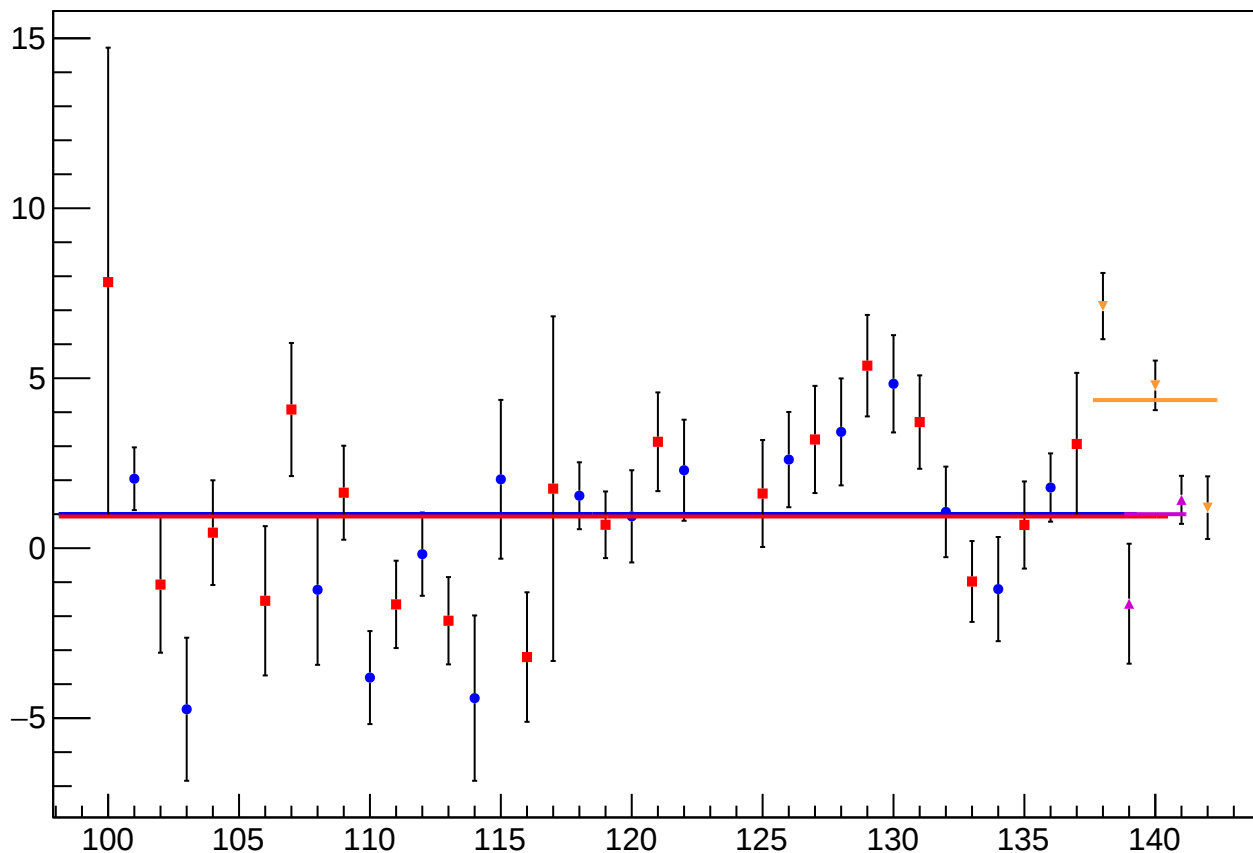
Right Out: -13.352 ± 0.215 $\chi^2/\text{NDF}: 0.0/18$

Left In: -5.792 ± 0.697 $\chi^2/\text{NDF}: 62.9/1$

-13.654 ± 0.217 $\chi^2/\text{NDF}: 33.8/18$

-12.697 ± 0.205 $\chi^2/\text{NDF}: 170.3/20$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: 4.357 ± 0.493 χ^2/NDF : 20.2/2

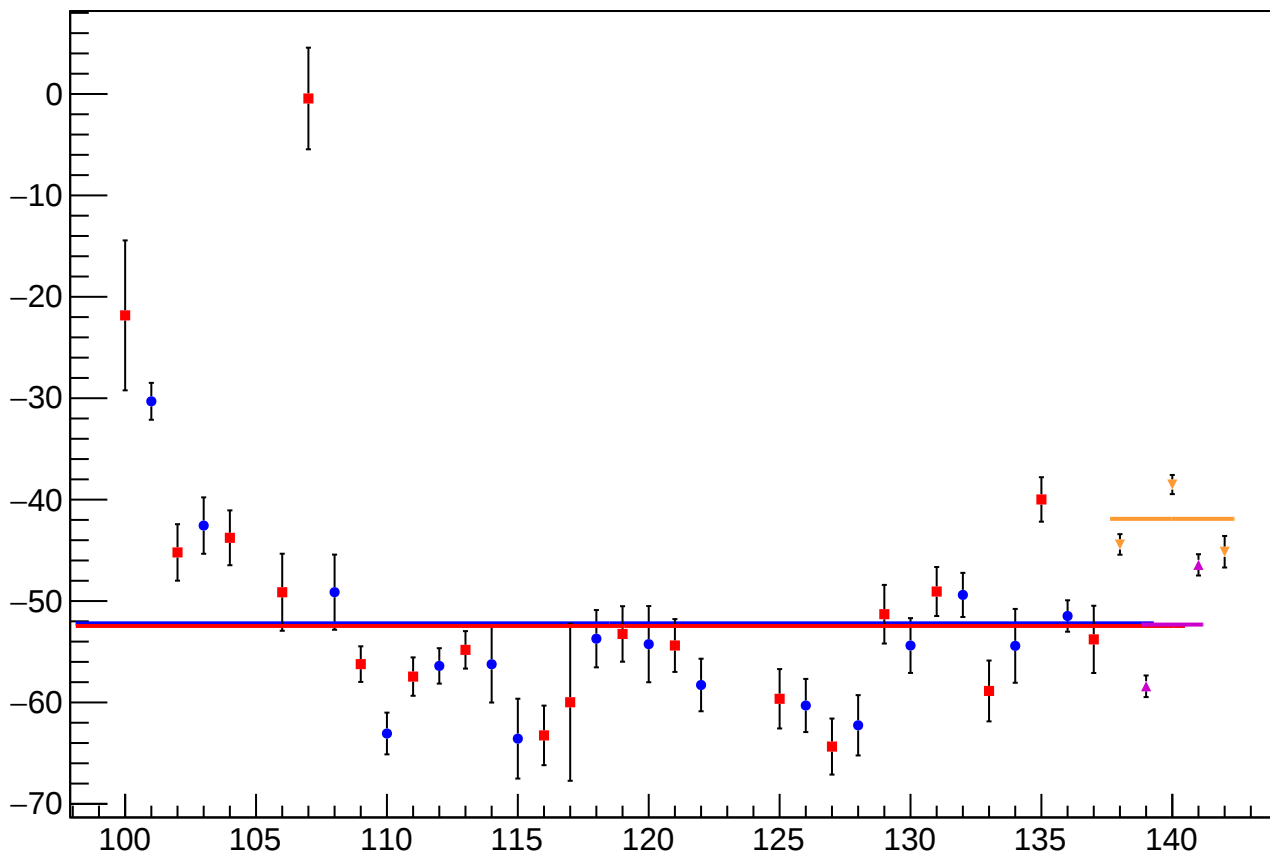
Right Out: 0.933 ± 0.352 χ^2/NDF : 41.9/18

Left In: 1.000 ± 0.656 χ^2/NDF : 2.6/1

2.093 ± 0.281 χ^2/NDF : 94.2/18

0.948 ± 0.310 χ^2/NDF : 44.5/20

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -41.893 ± 0.632 χ^2/NDF : 23.4/2

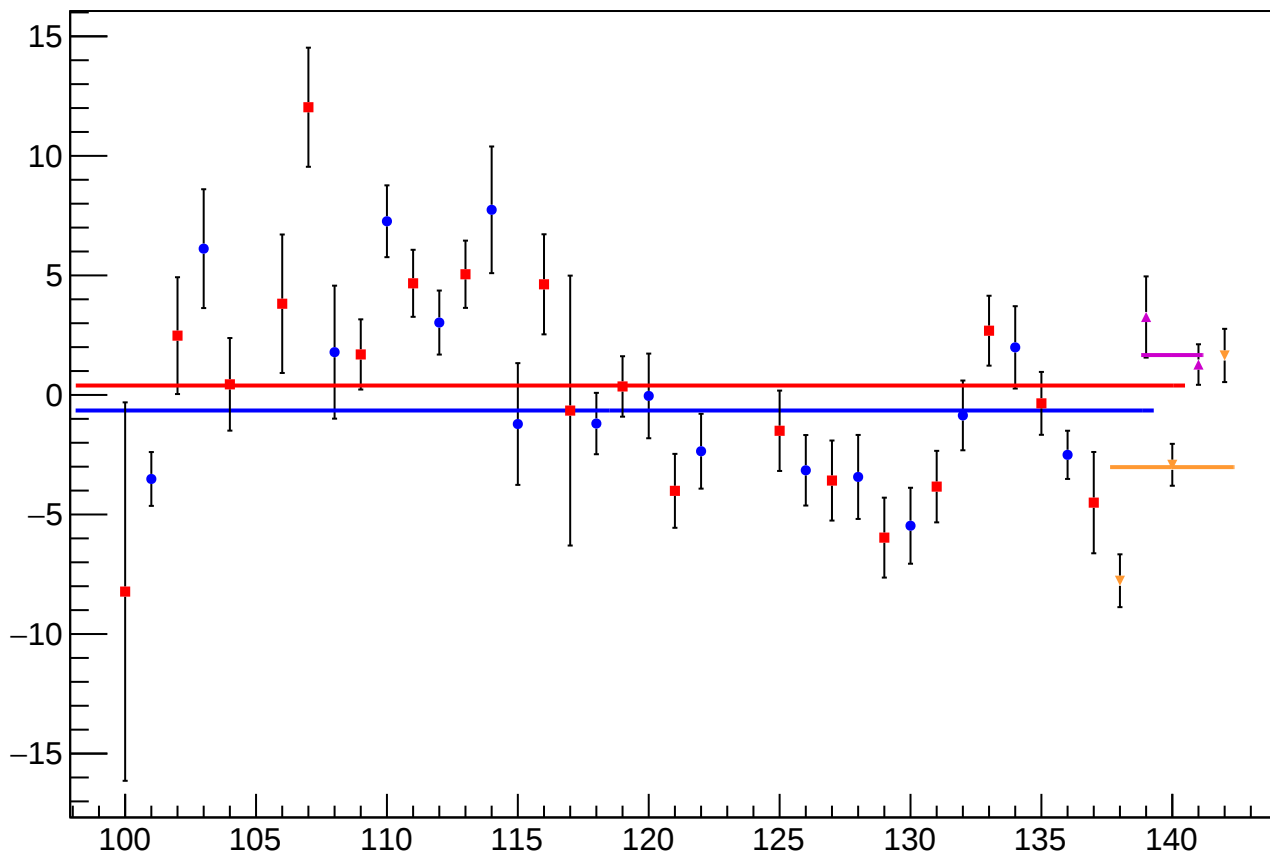
Right Out: -52.455 ± 0.614 χ^2/NDF : 234.8/18

Left In: -52.320 ± 0.748 χ^2/NDF : 64.0/1

-47.189 ± 0.441 χ^2/NDF : 390.7/18

-52.400 ± 0.475 χ^2/NDF : 298.9/20

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: -3.019 ± 0.584 χ^2/NDF : 36.1/2

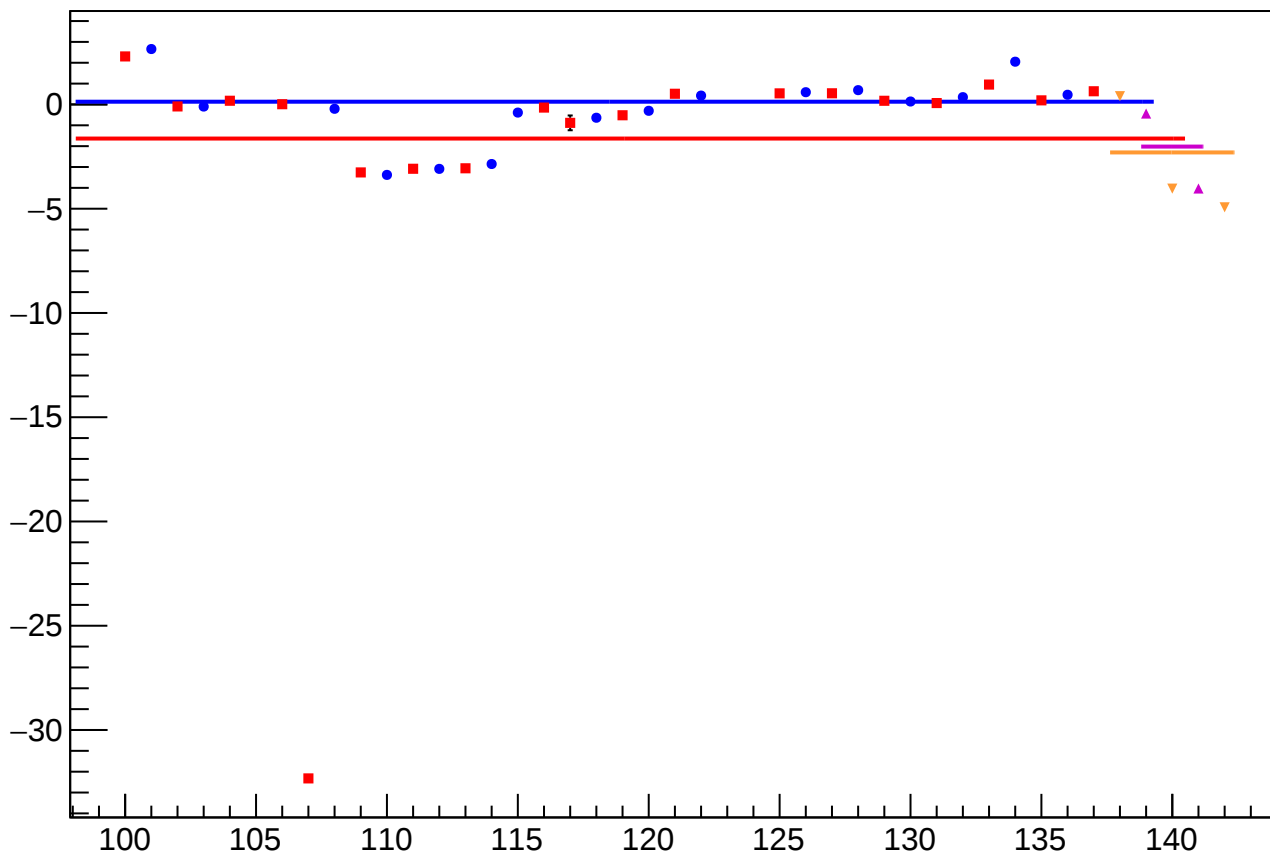
Right Out: 0.394 ± 0.398 χ^2/NDF : 95.9/18

Left In: 1.669 ± 0.759 χ^2/NDF : 1.1/1

-1.372 ± 0.323 χ^2/NDF : 129.4/18

0.670 ± 0.353 χ^2/NDF : 99.2/20

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 χ^2/NDF : 5247.5/15

Left Out: -2.301 ± 0.026 χ^2/NDF : 8191.7/2

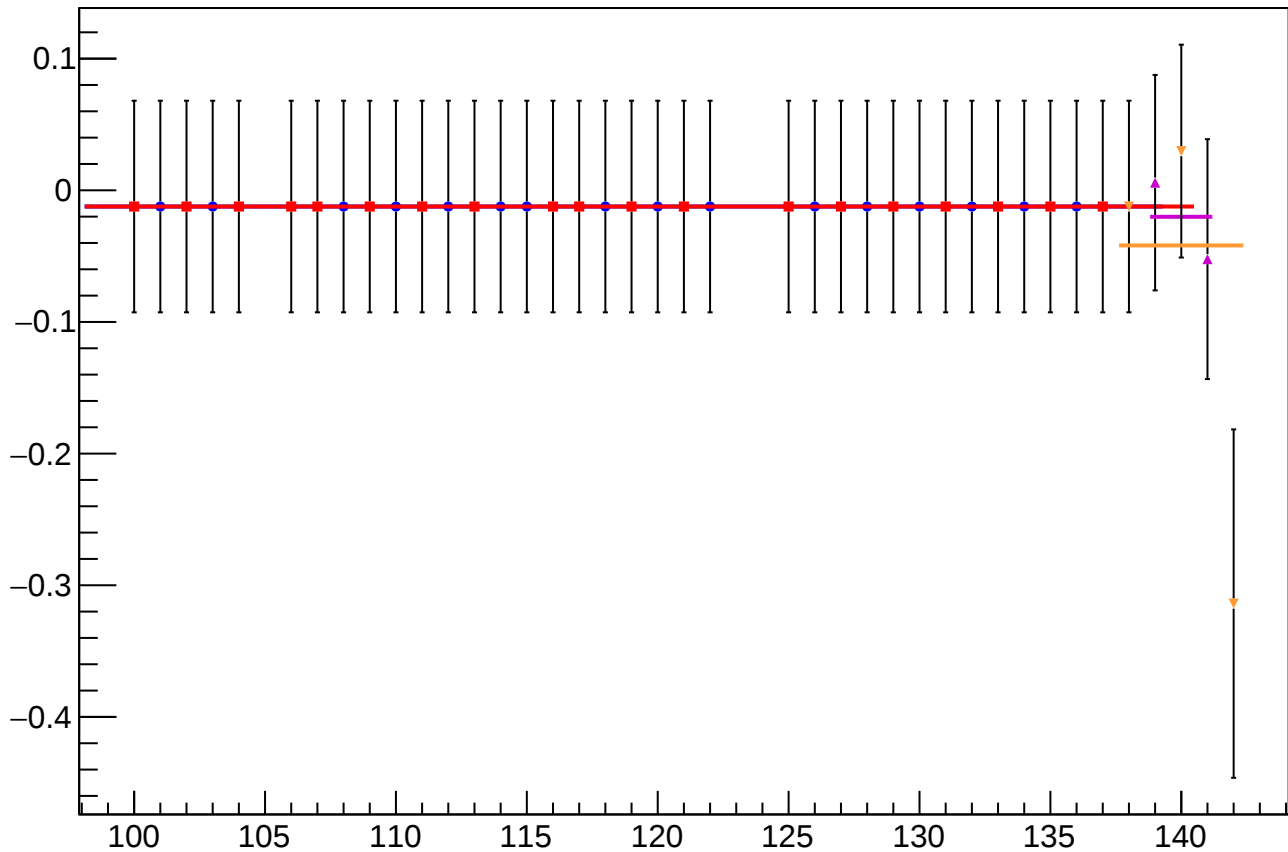
Right Out: -1.635 ± 0.022 χ^2/NDF : 77852.9/18

Left In: -2.020 ± 0.028 χ^2/NDF : 4050.1/1

-0.862 ± 0.017 χ^2/NDF : 18640.9/18

-1.780 ± 0.017 χ^2/NDF : 82020.6/20

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: -0.012 $\pm$ 0.020 χ^2/NDF : 0.0/15

Left Out: -0.042 $\pm$ 0.052 χ^2/NDF : 5.1/2

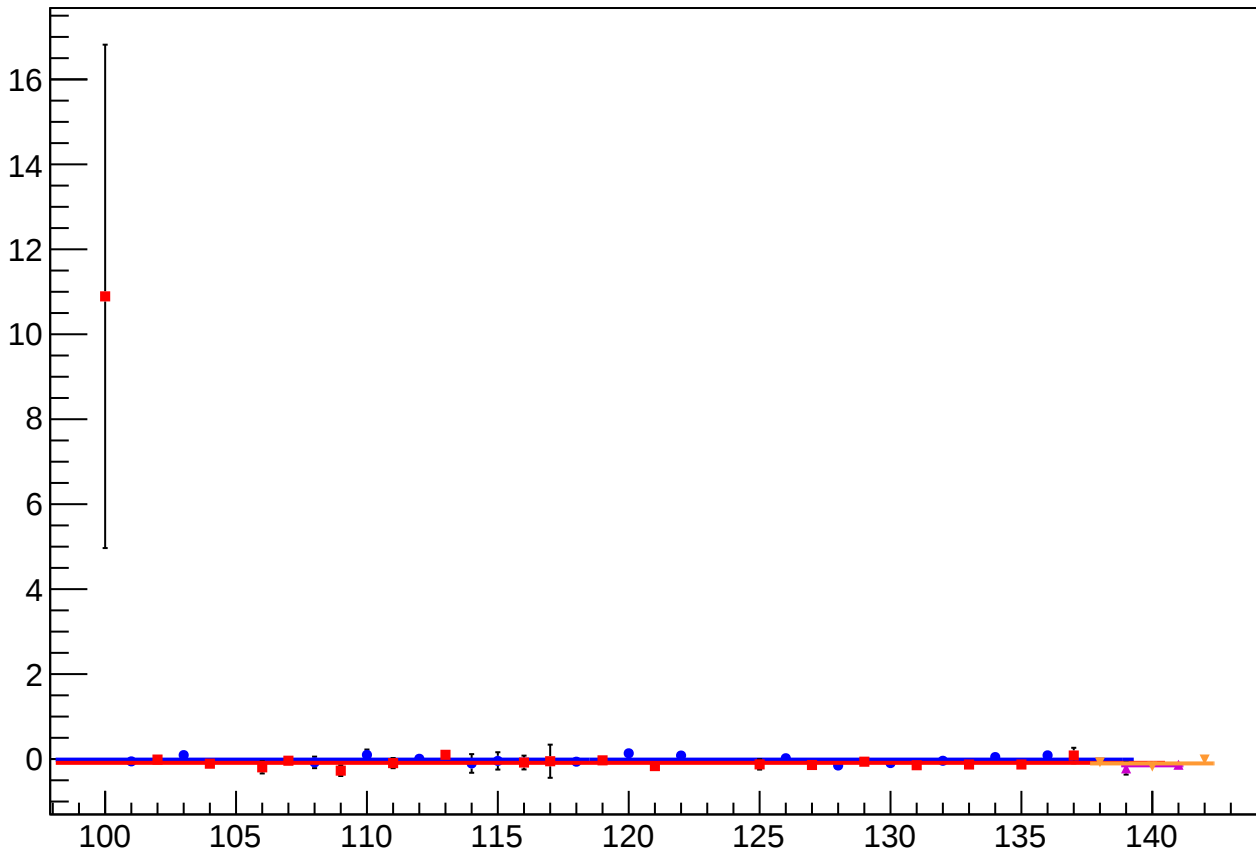
Right Out: -0.012 $\pm$ 0.018 χ^2/NDF : 0.0/18

Left In: -0.020 $\pm$ 0.061 χ^2/NDF : 0.2/1

-0.016 $\pm$ 0.019 χ^2/NDF : 5.4/18

-0.013 $\pm$ 0.018 χ^2/NDF : 0.2/20

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.103 ± 0.045 χ^2/NDF : 2.5/2

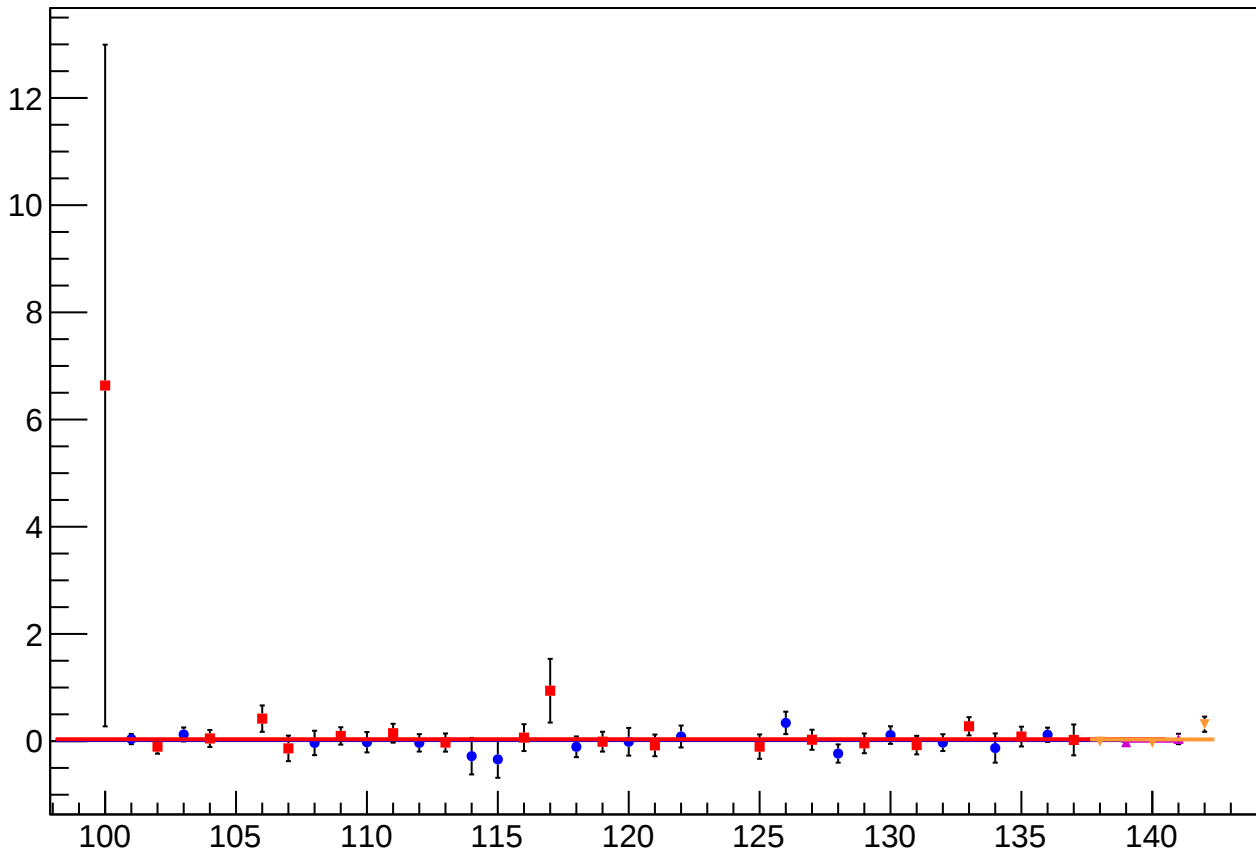
Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/18

Left In: -0.148 ± 0.060 χ^2/NDF : 0.3/1

-0.033 ± 0.021 χ^2/NDF : 17.4/18

-0.098 ± 0.023 χ^2/NDF : 14.1/20

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020+/-0.043 χ^2/NDF : 9.1/15

Left Out: 0.032+/-0.056 χ^2/NDF : 4.8/2

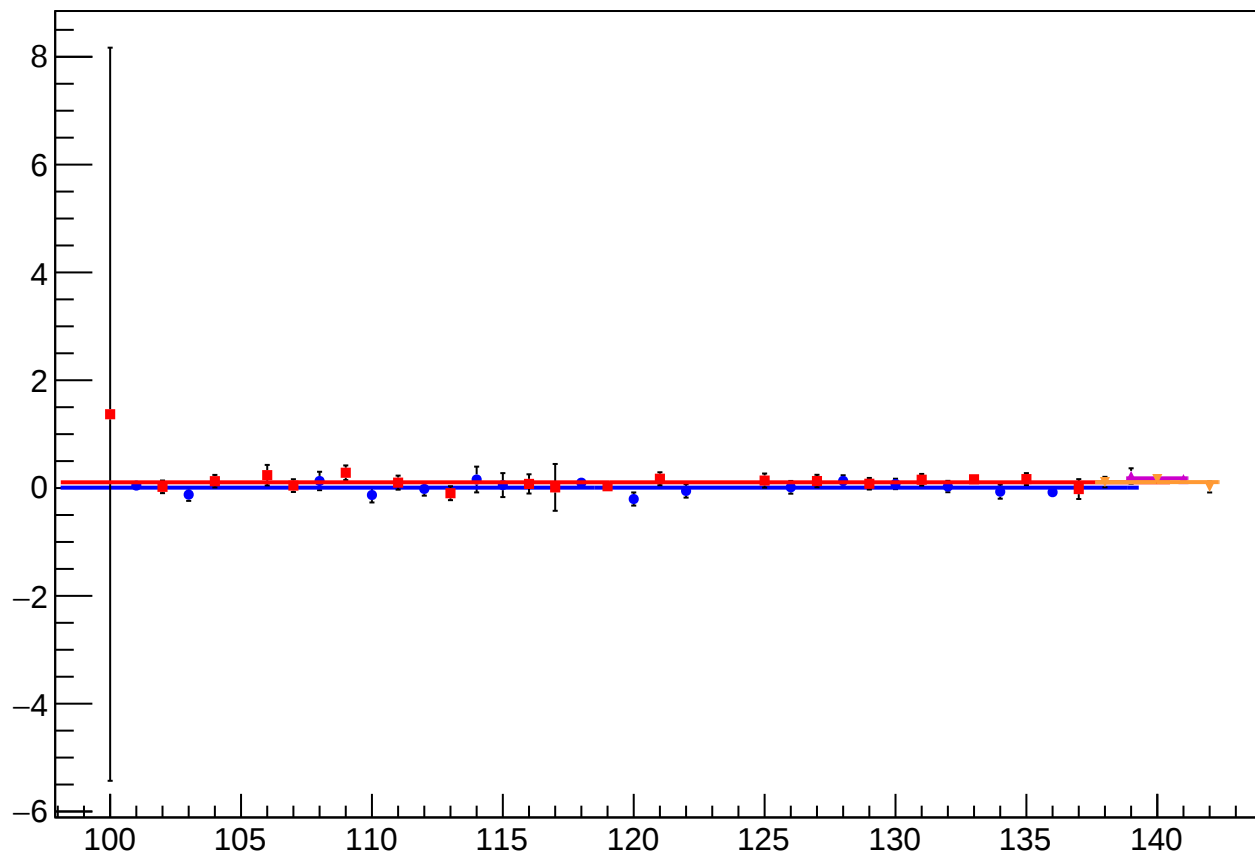
Right Out: 0.035+/-0.045 χ^2/NDF : 11.6/18

Left In: 0.007+/-0.065 χ^2/NDF : 0.2/1

0.024+/-0.034 χ^2/NDF : 13.9/18

0.026+/-0.037 χ^2/NDF : 11.9/20

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.110 $\pm$ 0.053 χ^2 /NDF: 1.3/2

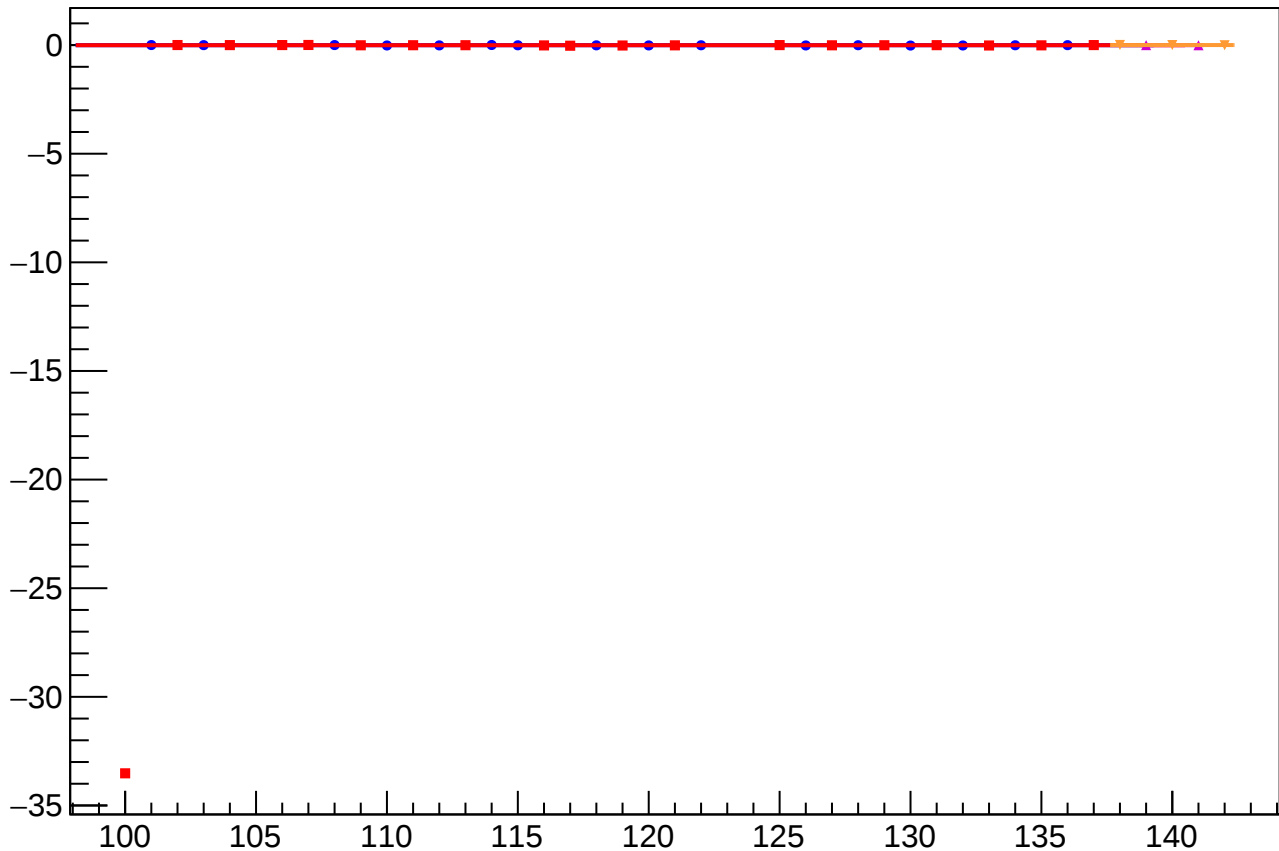
Right Out: 0.106 $\pm$ 0.029 χ^2 /NDF: 8.2/18

Left In: 0.180 $\pm$ 0.069 χ^2 /NDF: 0.1/1

0.029 $\pm$ 0.024 χ^2 /NDF: 15.6/18

0.117 $\pm$ 0.026 χ^2 /NDF: 9.3/20

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.002 χ^2/NDF : 4.0/2

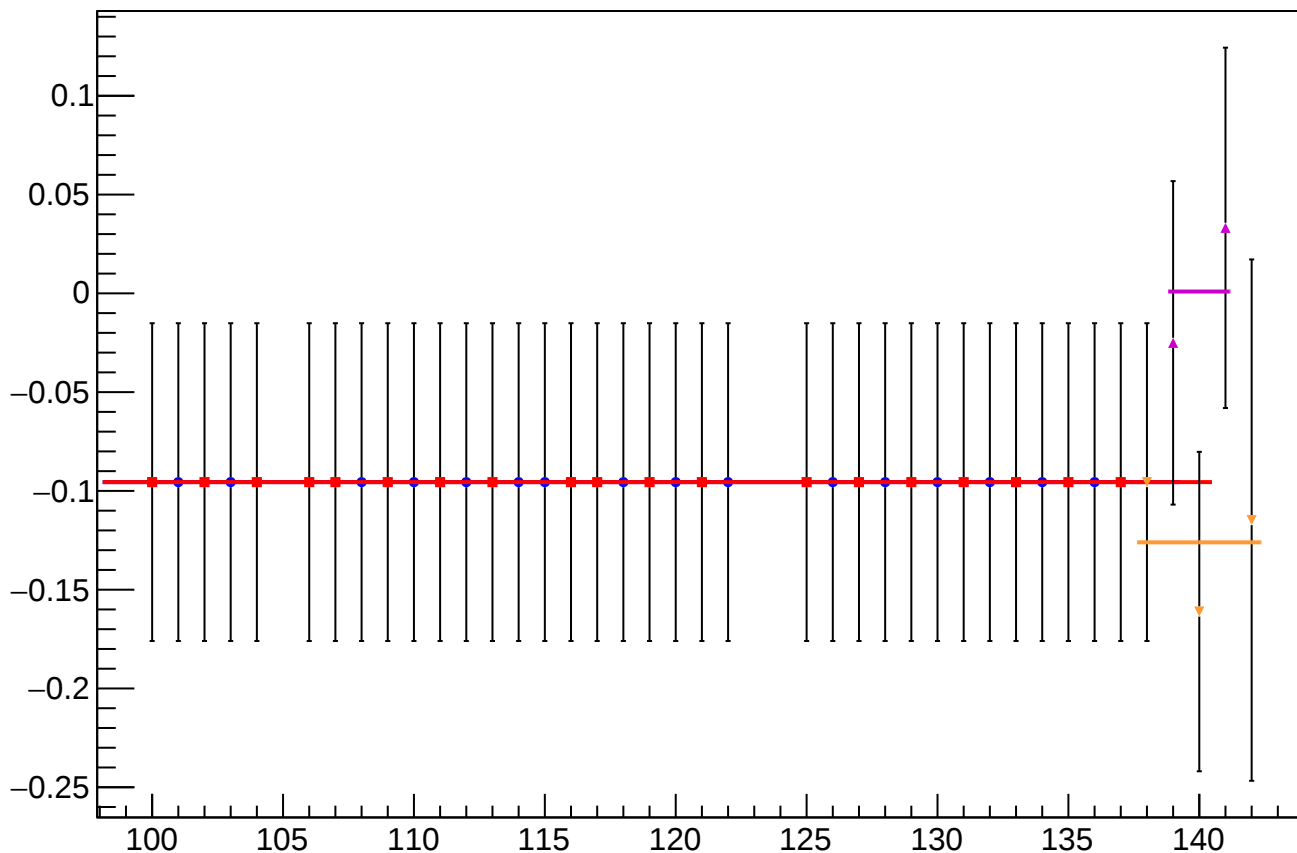
Right Out: -0.006 ± 0.001 χ^2/NDF : 26509.5/18

Left In: -0.004 ± 0.002 χ^2/NDF : 1.3/1

-0.003 ± 0.001 χ^2/NDF : 31.7/18

-0.005 ± 0.001 χ^2/NDF : 26511.5/20

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.096 ± 0.020 $\chi^2/\text{NDF}: 0.0/15$

Left Out: -0.126 ± 0.052 $\chi^2/\text{NDF}: 0.3/2$

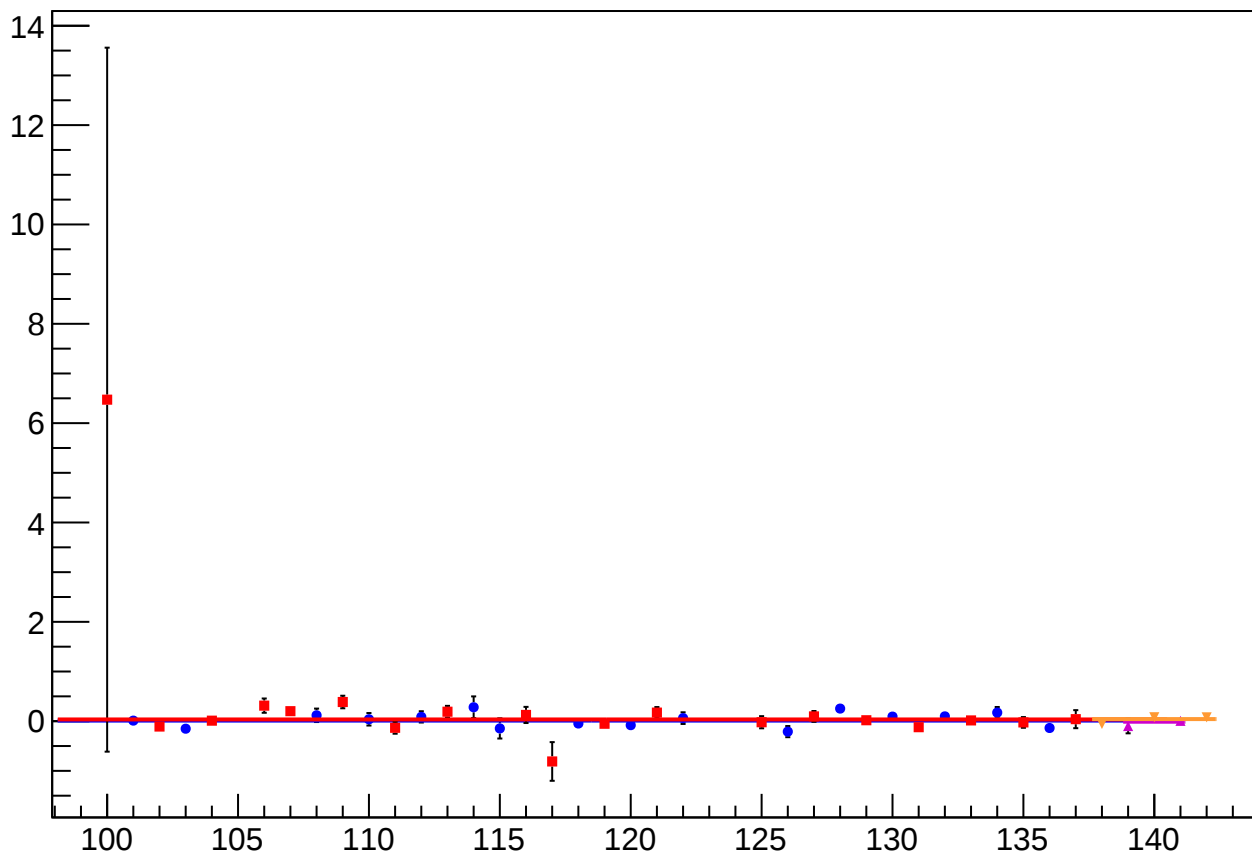
Right Out: -0.096 ± 0.018 $\chi^2/\text{NDF}: 0.0/18$

Left In: 0.001 ± 0.061 $\chi^2/\text{NDF}: 0.2/1$

-0.099 ± 0.019 $\chi^2/\text{NDF}: 0.6/18$

-0.087 ± 0.018 $\chi^2/\text{NDF}: 2.5/20$

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: 0.042 $\pm$ 0.045 χ^2 /NDF: 1.8/2

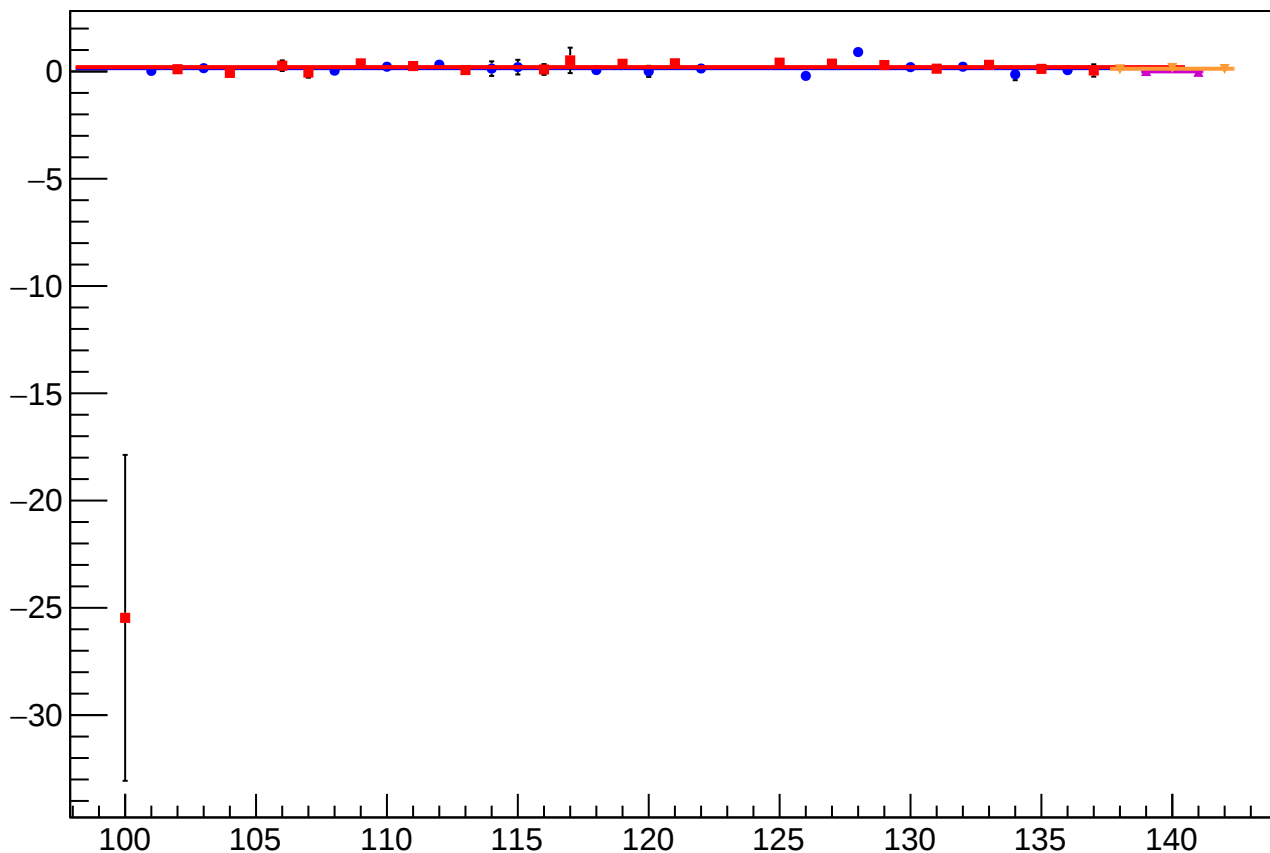
Right Out: 0.035 $\pm$ 0.025 χ^2 /NDF: 33.2/18

Left In: -0.010 $\pm$ 0.060 χ^2 /NDF: 0.4/1

0.019 $\pm$ 0.021 χ^2 /NDF: 27.2/18

0.028 $\pm$ 0.023 χ^2 /NDF: 34.1/20

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.129 $\pm$ 0.056 χ^2 /NDF: 0.3/2

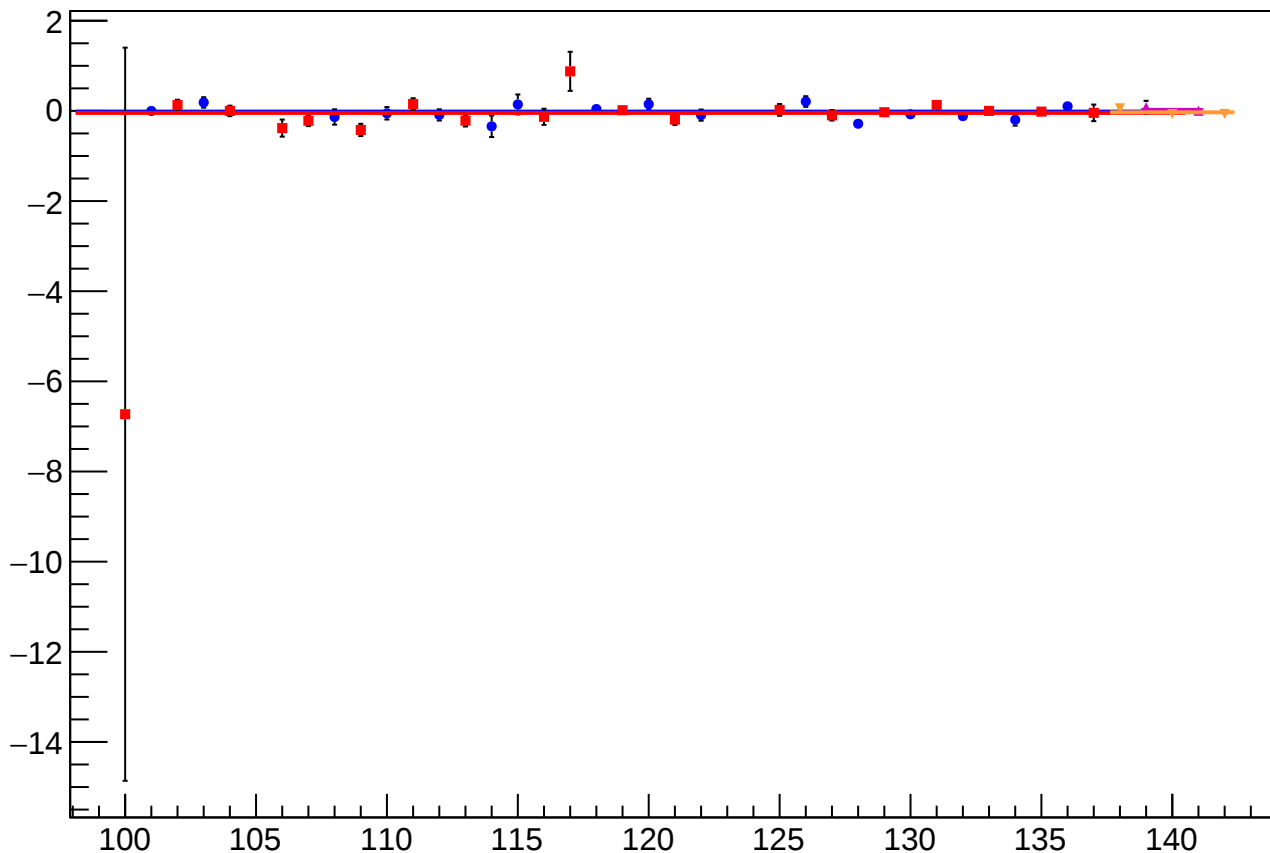
Right Out: 0.203 $\pm$ 0.045 χ^2 /NDF: 22.9/18

Left In: 0.005 $\pm$ 0.065 χ^2 /NDF: 0.1/1

0.145 $\pm$ 0.034 χ^2 /NDF: 28.3/18

0.139 $\pm$ 0.037 χ^2 /NDF: 29.2/20

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: -0.032 ± 0.053 χ^2/NDF : 1.2/2

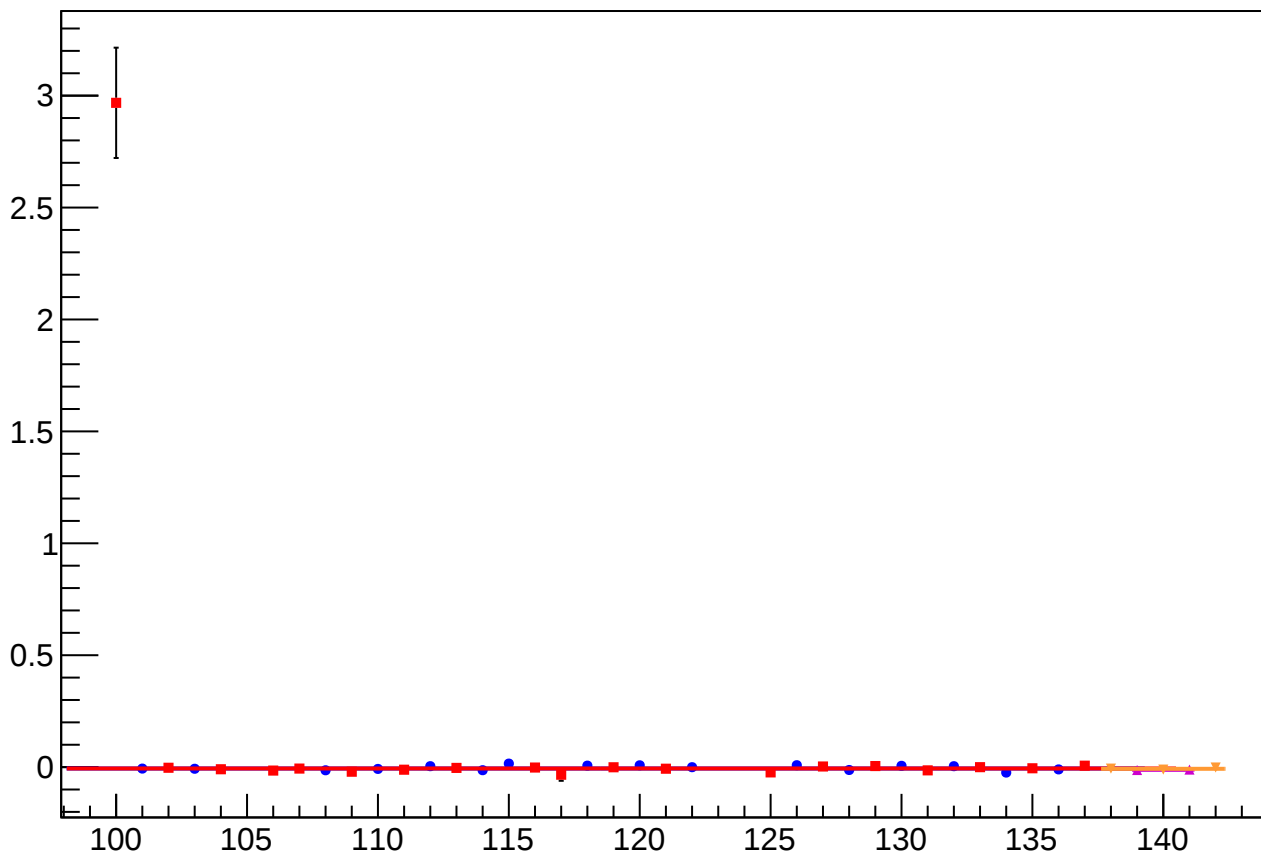
Right Out: -0.044 ± 0.029 χ^2/NDF : 30.5/18

Left In: 0.022 ± 0.069 χ^2/NDF : 0.2/1

-0.019 ± 0.024 χ^2/NDF : 25.6/18

-0.035 ± 0.026 χ^2/NDF : 31.5/20

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.008 ± 0.002 χ^2/NDF : 2.0/2

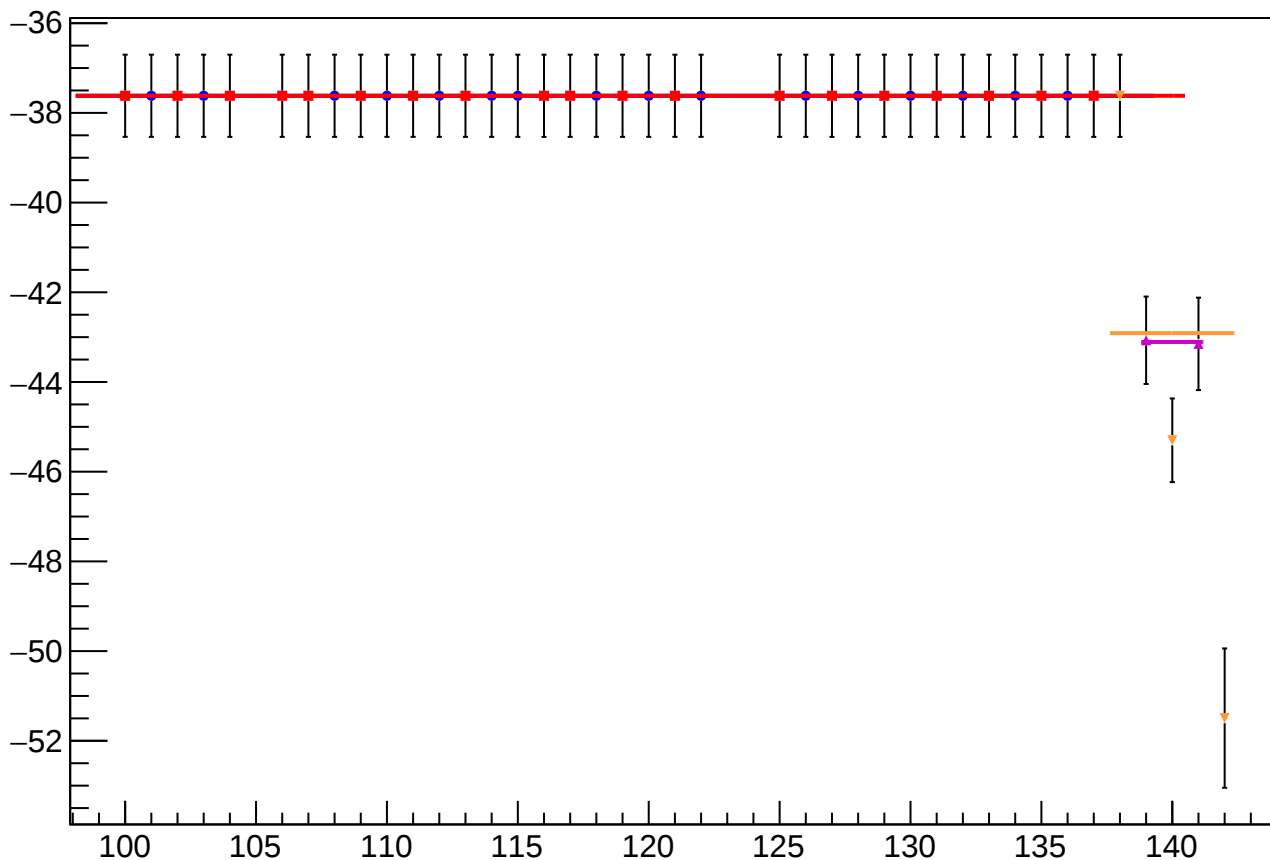
Right Out: -0.006 ± 0.001 χ^2/NDF : 167.0/18

Left In: -0.012 ± 0.002 χ^2/NDF : 0.1/1

-0.007 ± 0.001 χ^2/NDF : 29.6/18

-0.008 ± 0.001 χ^2/NDF : 171.7/20

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -37.618 $\pm$ 0.229 χ^2 /NDF: 0.0/15

Left Out: -42.910 $\pm$ 0.603 χ^2 /NDF:70.4/2

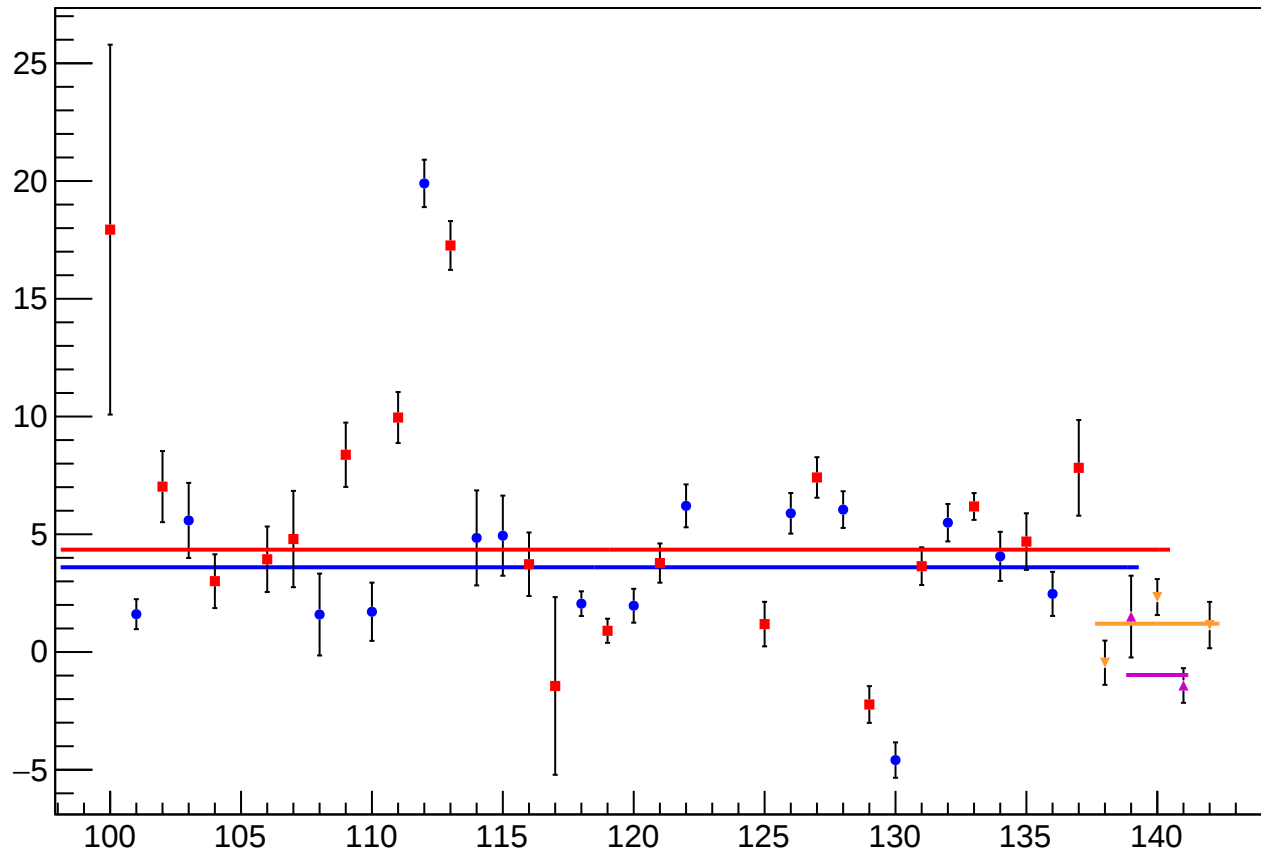
Right Out: -37.618 $\pm$ 0.210 χ^2 /NDF: 0.0/18

Left In: -43.108 $\pm$ 0.708 χ^2 /NDF:0.0/1

-38.287 $\pm$ 0.214 χ^2 /NDF: 137.8/18

-38.063 $\pm$ 0.202 χ^2 /NDF: 55.3/20

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 1.203 ± 0.508 χ^2/NDF : 5.3/2

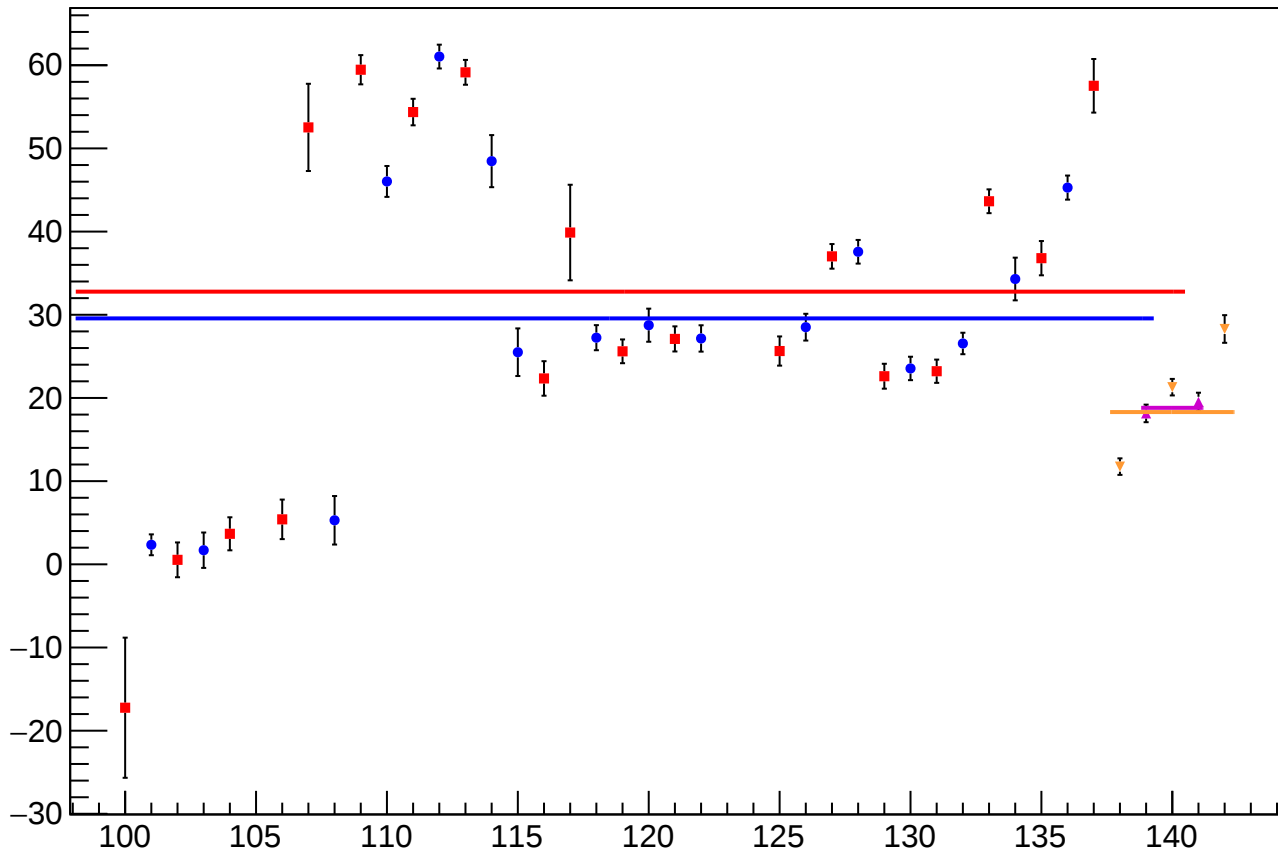
Right Out: 4.347 ± 0.224 χ^2/NDF : 355.4/18

Left In: -0.976 ± 0.677 χ^2/NDF : 2.4/1

3.219 ± 0.202 χ^2/NDF : 467.5/18

3.820 ± 0.213 χ^2/NDF : 413.5/20

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 18.305 $\pm$ 0.647 χ^2 /NDF: 88.7/2

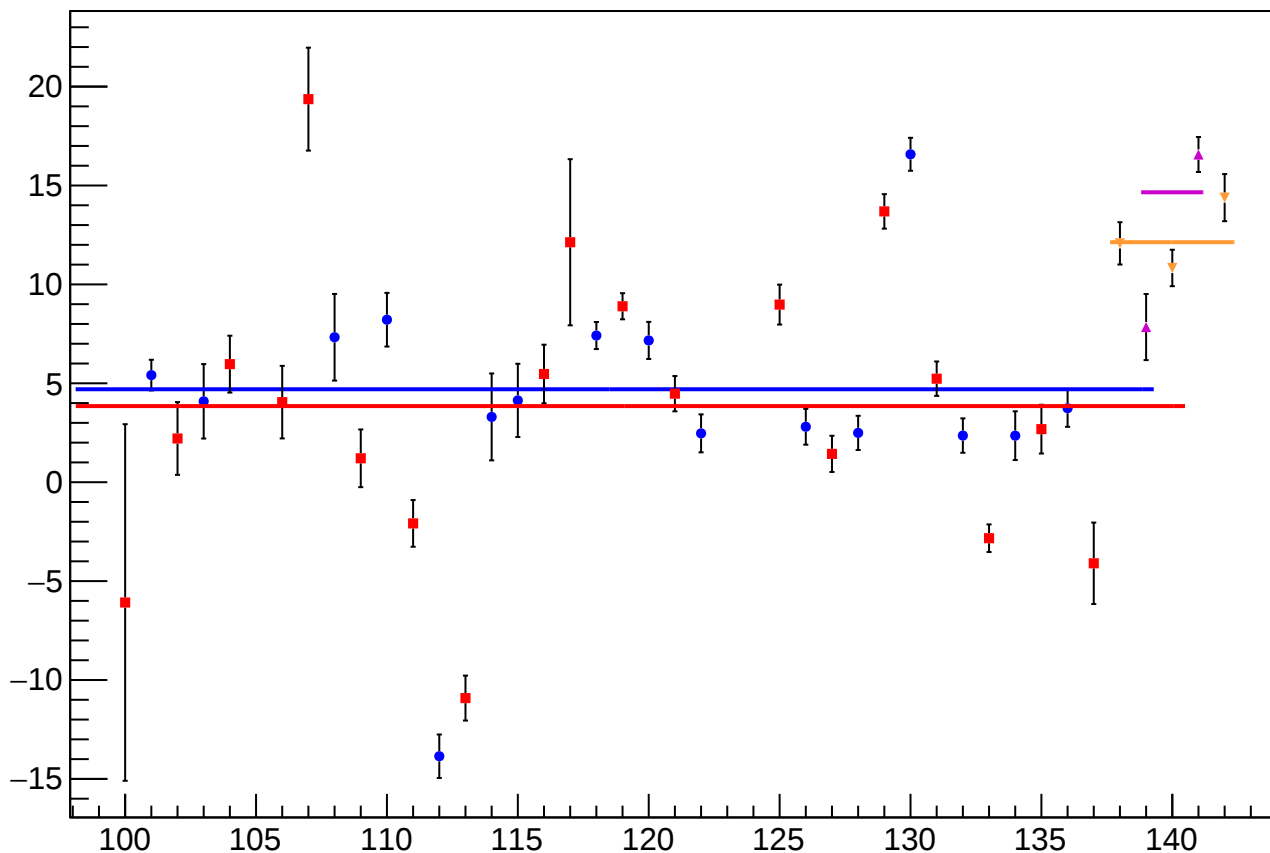
Right Out: 32.780 $\pm$ 0.422 χ^2 /NDF: 1664.8/18

Left In: 18.813 $\pm$ 0.761 χ^2 /NDF: 0.8/1

26.232 $\pm$ 0.352 χ^2 /NDF: 1796.4/18

29.497 $\pm$ 0.369 χ^2 /NDF: 1923.6/20

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 12.135 ± 0.602 χ^2/NDF : 5.6/2

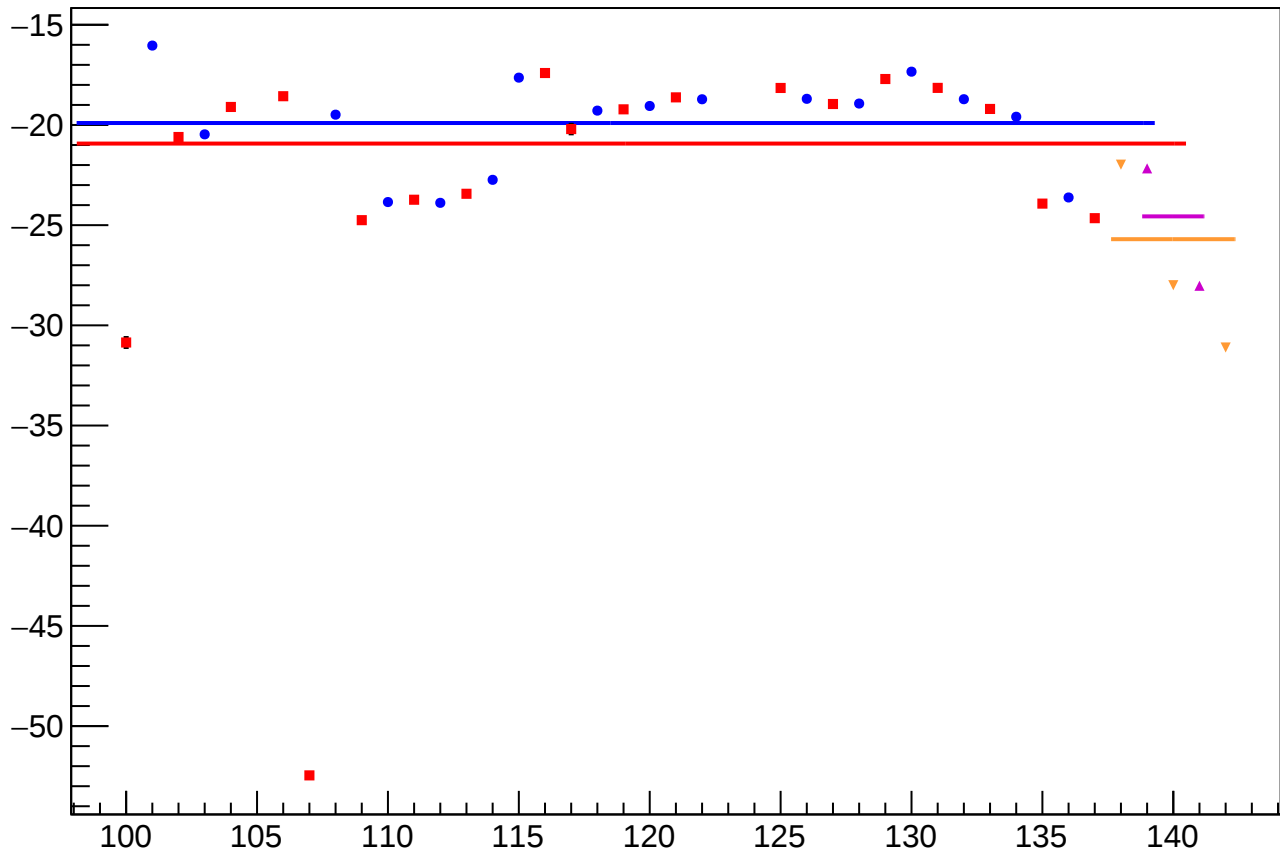
Right Out: 3.848 ± 0.258 χ^2/NDF : 571.5/18

Left In: 14.656 ± 0.782 χ^2/NDF : 21.3/1

5.822 ± 0.234 χ^2/NDF : 683.9/18

4.909 ± 0.245 χ^2/NDF : 765.2/20

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -25.700 ± 0.027 $\chi^2/\text{NDF}: 18412.0/2$

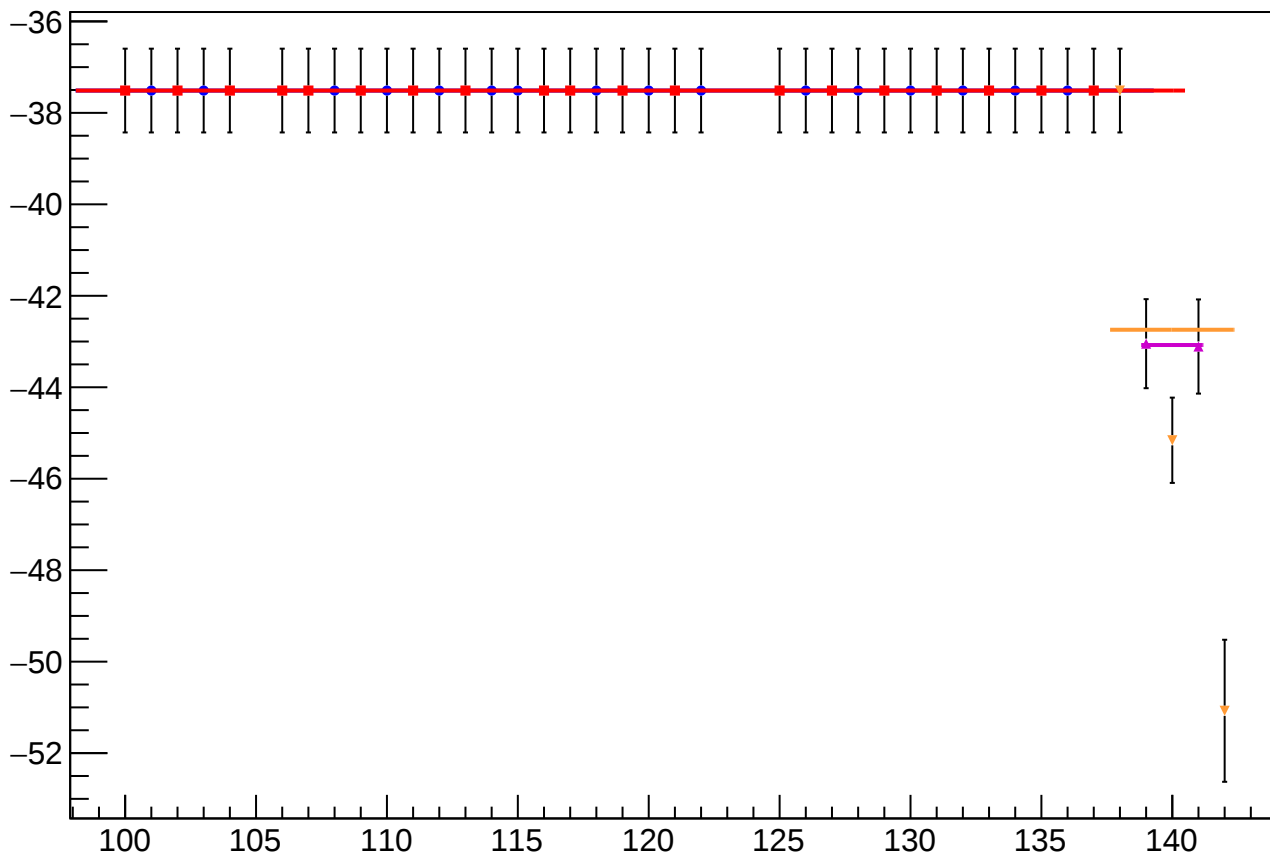
Right Out: -20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

Left In: -24.562 ± 0.028 $\chi^2/\text{NDF}: 10328.7/1$

-21.390 ± 0.013 $\chi^2/\text{NDF}: 79701.6/18$

-21.781 ± 0.014 $\chi^2/\text{NDF}: 116924.1/20$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -37.512 ± 0.229 $\chi^2/\text{NDF}: 0.0/15$

Left Out: -42.742 ± 0.602 $\chi^2/\text{NDF}: 68.1/2$

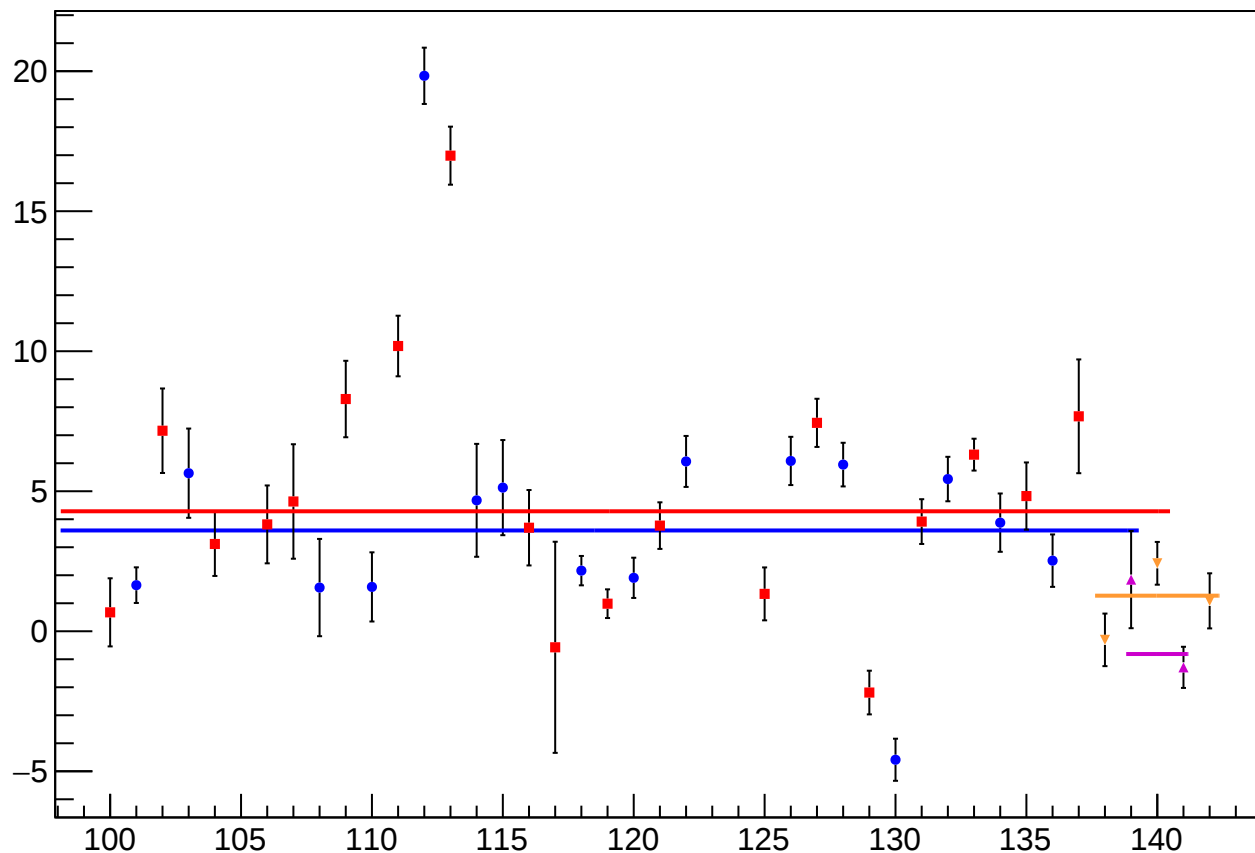
Right Out: -37.512 ± 0.210 $\chi^2/\text{NDF}: 0.0/18$

Left In: -43.076 ± 0.707 $\chi^2/\text{NDF}: 0.0/1$

-38.173 ± 0.214 $\chi^2/\text{NDF}: 134.0/18$

-37.963 ± 0.201 $\chi^2/\text{NDF}: 56.8/20$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: 1.270 $\pm$ 0.507 χ^2 /NDF: 5.2/2

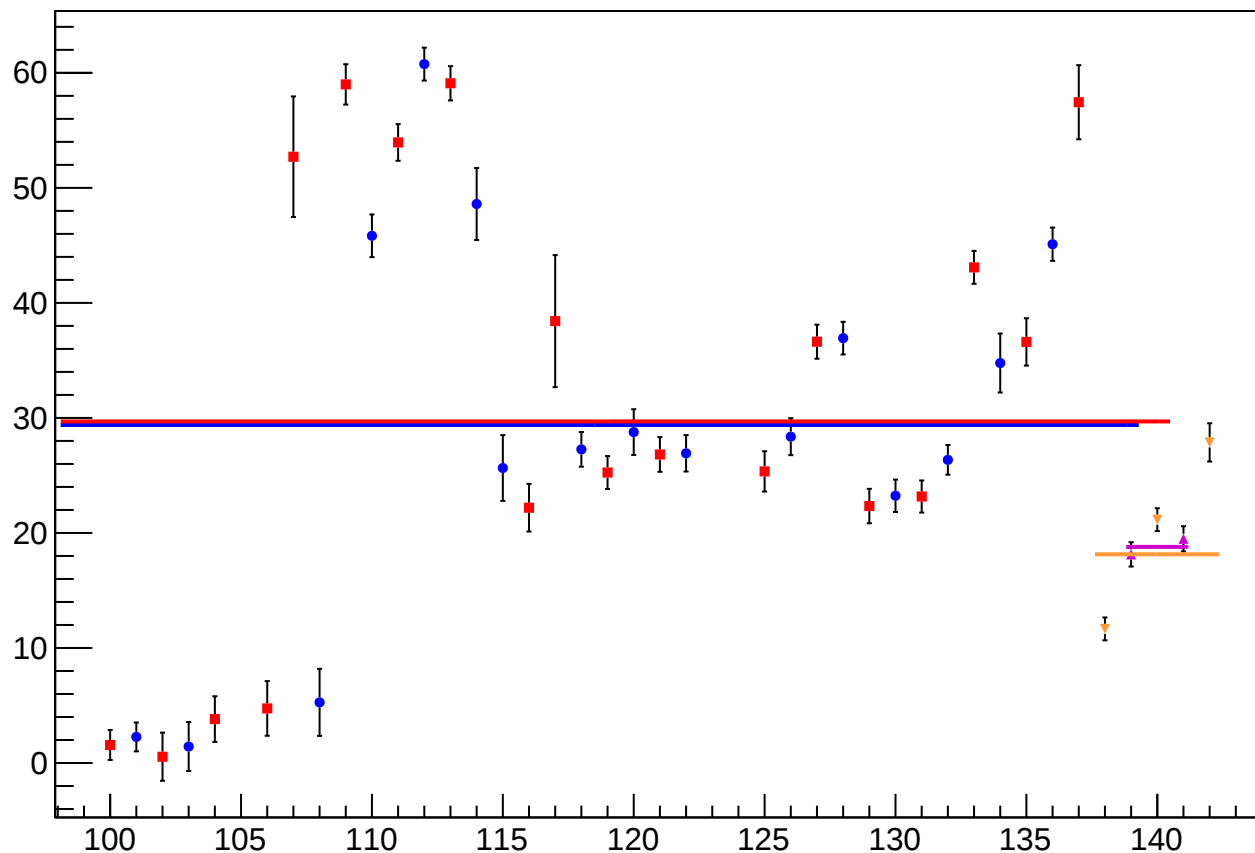
Right Out: 4.284 $\pm$ 0.221 χ^2 /NDF: 353.8/18

Left In: -0.813 $\pm$ 0.677 χ^2 /NDF: 2.8/1

3.230 $\pm$ 0.202 χ^2 /NDF: 463.1/18

3.794 $\pm$ 0.210 χ^2 /NDF: 407.8/20

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 18.145 $\pm$ 0.647 χ^2 /NDF:86.1/2

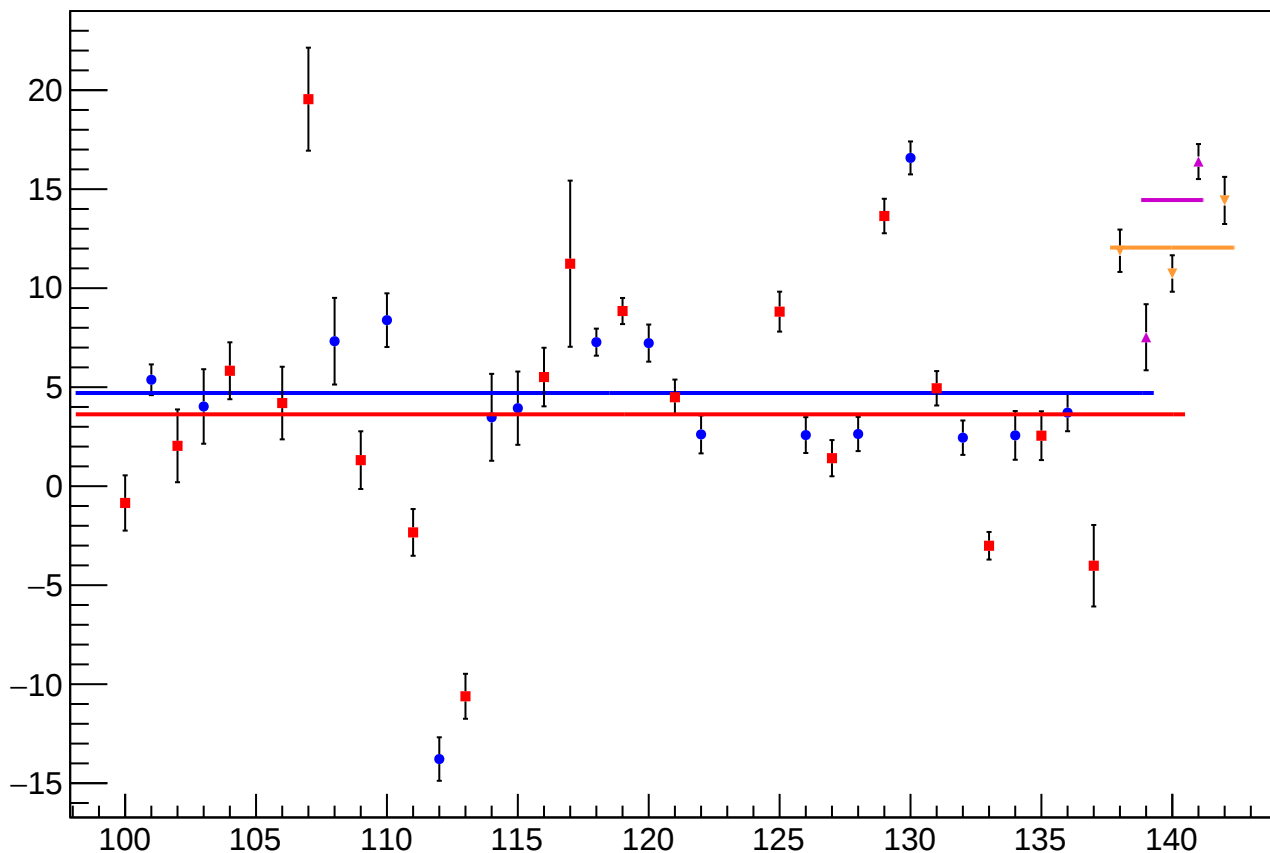
Right Out: 29.695 $\pm$ 0.401 χ^2 /NDF: 2133.3/18

Left In: 18.789 $\pm$ 0.760 χ^2 /NDF:0.8/1

26.061 $\pm$ 0.352 χ^2 /NDF: 1787.4/18

27.317 $\pm$ 0.355 χ^2 /NDF: 2295.1/20

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 $\pm$ 0.254 χ^2 /NDF: 545.2/15

Left Out: 12.049 $\pm$ 0.602 χ^2 /NDF: 6.0/2

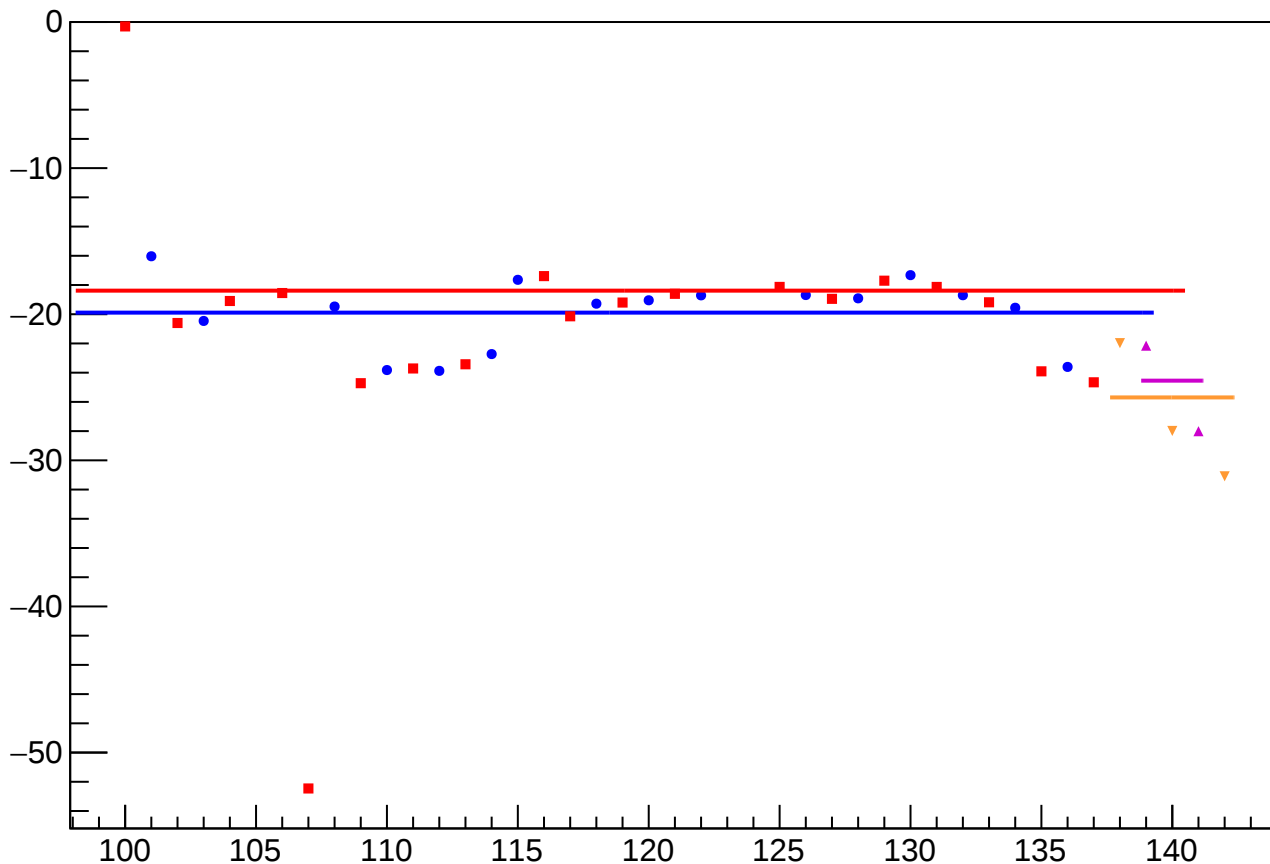
Right Out: 3.629 $\pm$ 0.254 χ^2 /NDF: 576.7/18

Left In: 14.451 $\pm$ 0.781 χ^2 /NDF: 22.1/1

5.815 $\pm$ 0.234 χ^2 /NDF: 677.5/18

4.661 $\pm$ 0.241 χ^2 /NDF: 772.5/20

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890+/-0.016 χ^2/NDF : 26044.4/15

Left Out: -25.694+/-0.027 χ^2/NDF : 18388.1/2

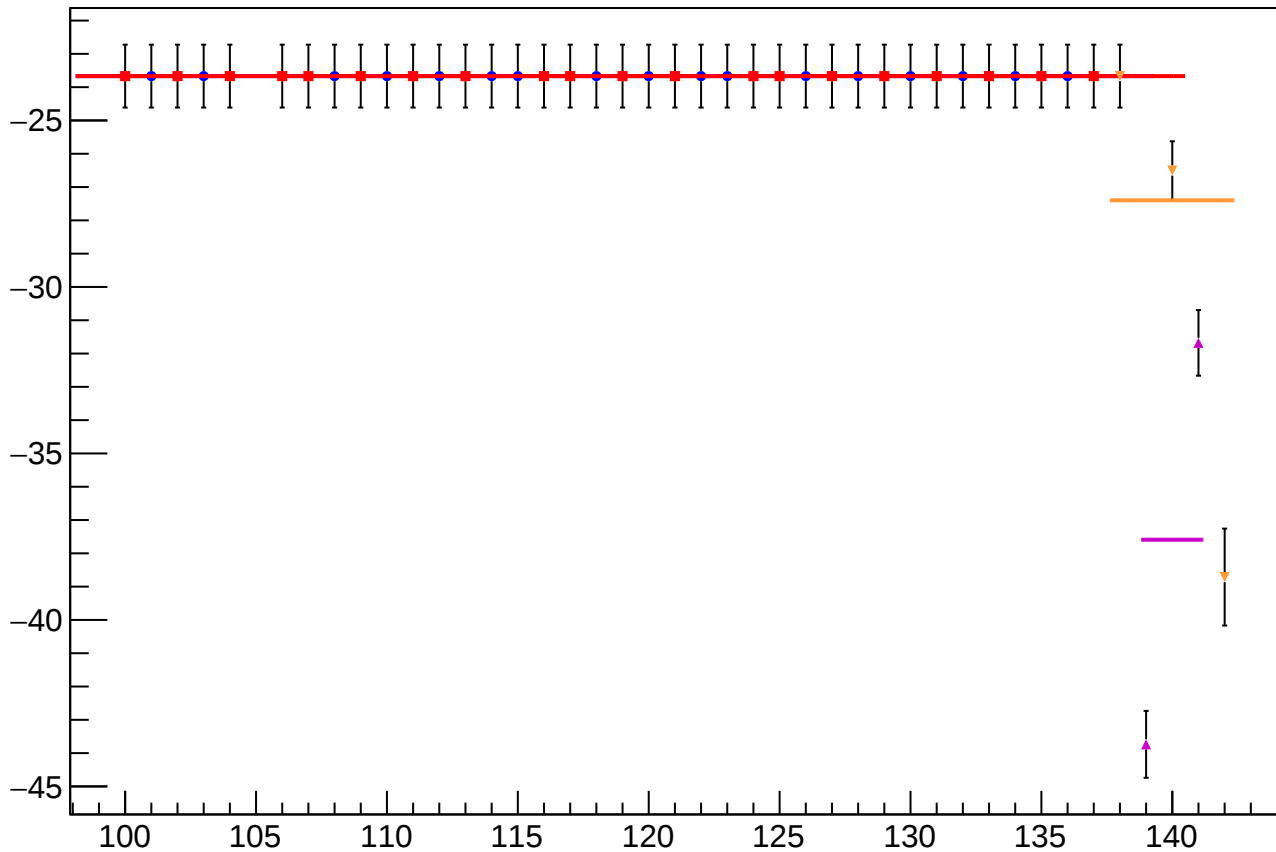
Right Out: -18.386+/-0.015 χ^2/NDF : 301044.3/18

Left In: -24.546+/-0.028 χ^2/NDF : 10328.7/1

-21.380+/-0.013 χ^2/NDF : 79783.1/18

-19.697+/-0.013 χ^2/NDF : 348623.7/20

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -23.668 ± 0.229 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -27.398 ± 0.588 $\chi^2/\text{NDF}: 77.1/2$

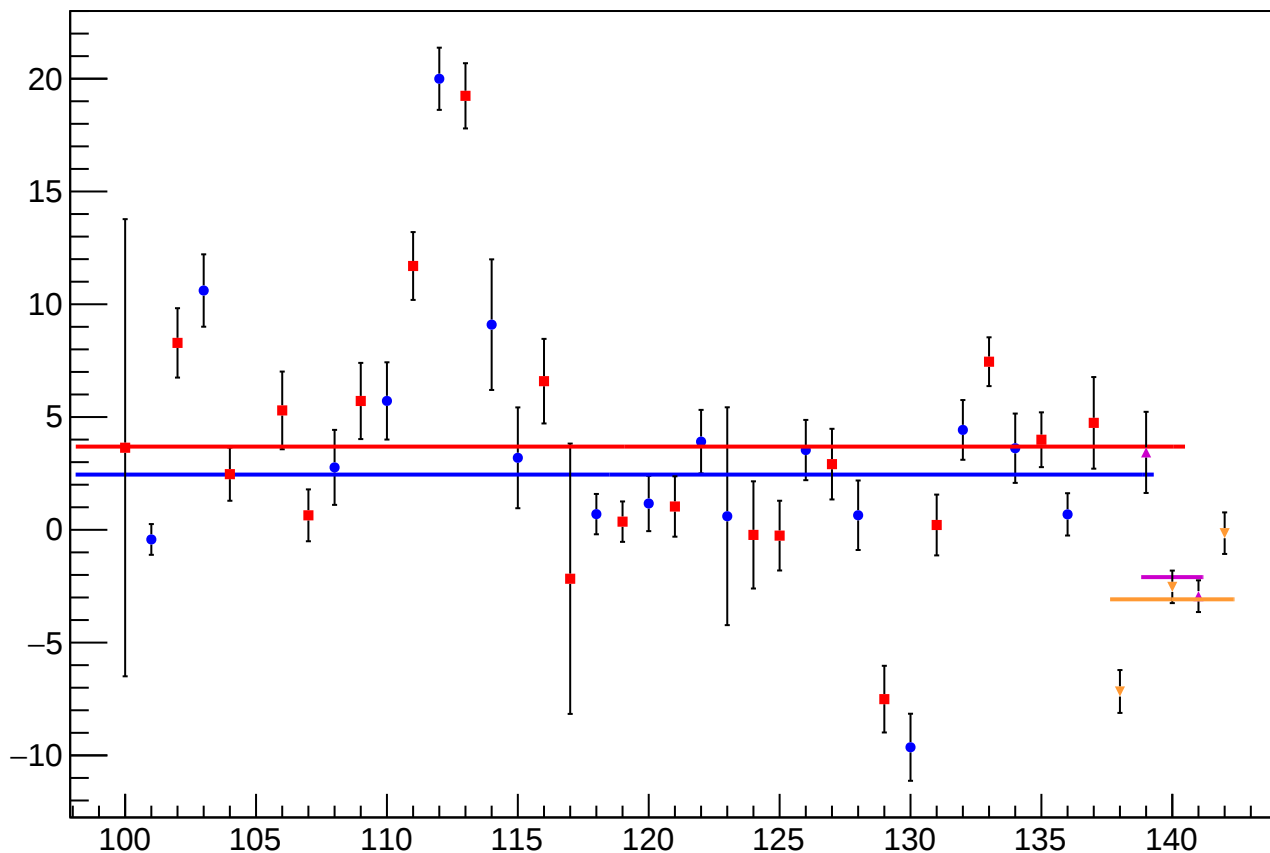
Right Out: -23.668 ± 0.211 $\chi^2/\text{NDF}: 0.0/19$

Left In: -37.592 ± 0.703 $\chi^2/\text{NDF}: 73.4/1$

-24.159 ± 0.213 $\chi^2/\text{NDF}: 112.0/19$

-24.819 ± 0.202 $\chi^2/\text{NDF}: 432.9/21$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 $\pm$ 0.314 χ^2/NDF : 295.3/16

Left Out: -3.081 $\pm$ 0.487 χ^2/NDF : 29.2/2

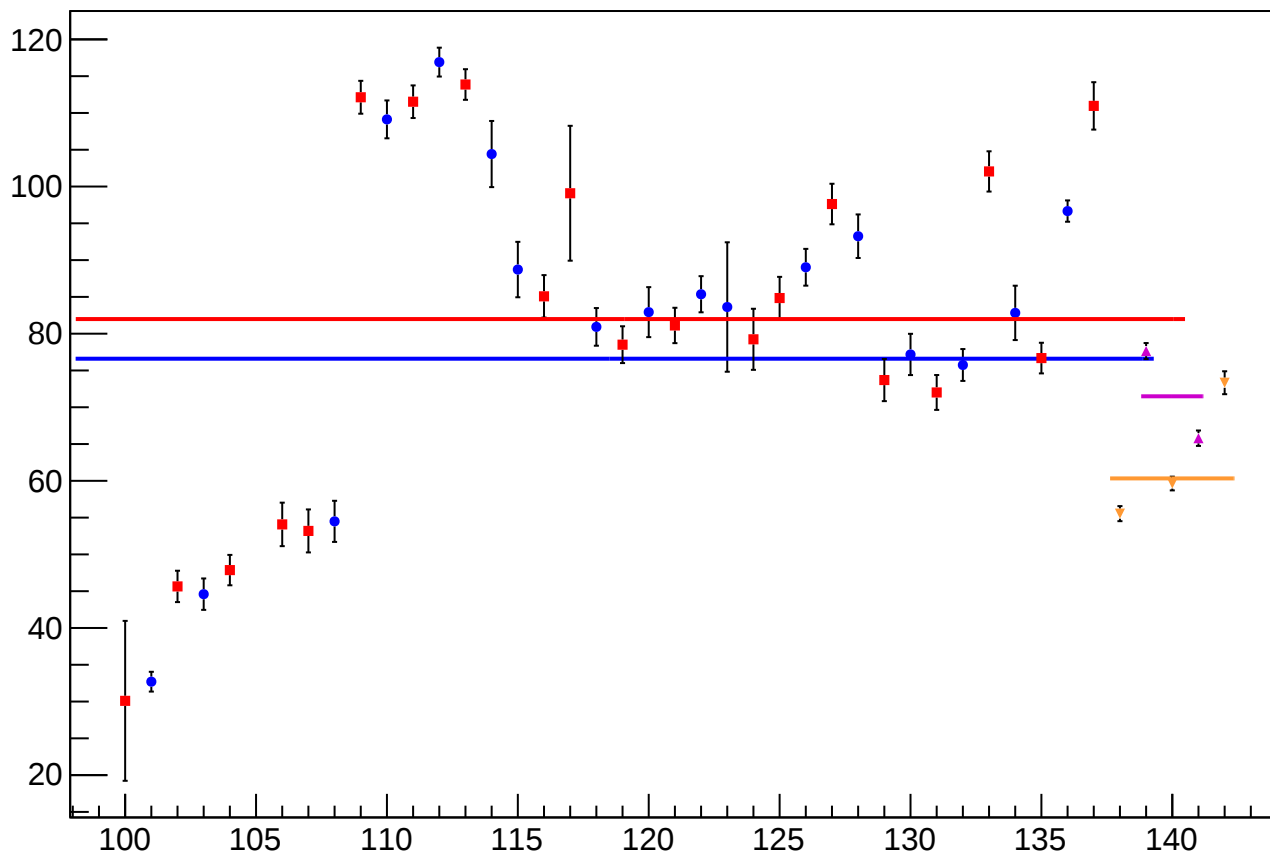
Right Out: 3.690 $\pm$ 0.326 χ^2/NDF : 270.4/19

Left In: -2.096 $\pm$ 0.655 χ^2/NDF : 10.9/1

0.823 $\pm$ 0.264 χ^2/NDF : 415.5/19

2.542 $\pm$ 0.292 χ^2/NDF : 343.8/21

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 ± 0.576 χ^2/NDF : 2255.1/16

Left Out: 60.328 ± 0.631 χ^2/NDF : 92.1/2

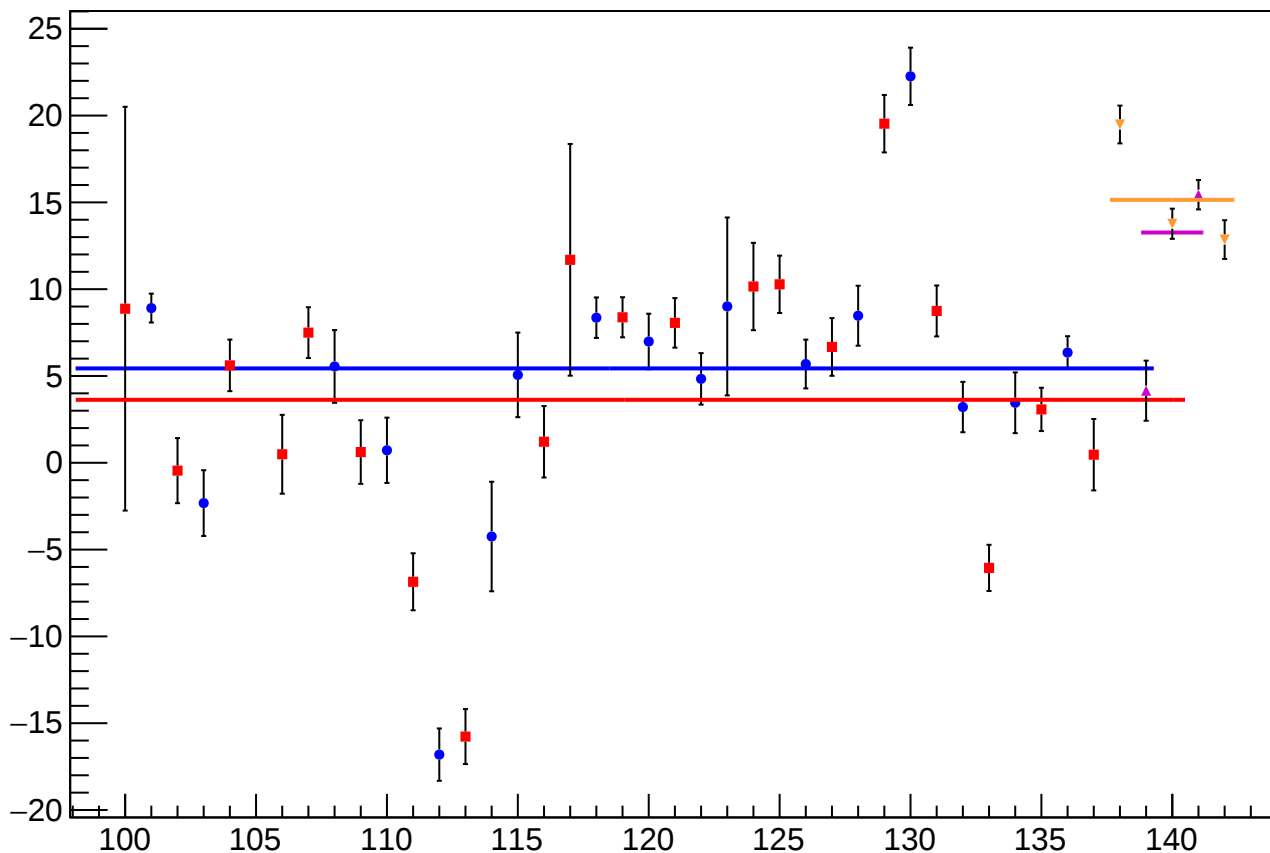
Right Out: 81.987 ± 0.591 χ^2/NDF : 1574.2/19

Left In: 71.489 ± 0.755 χ^2/NDF : 61.5/1

69.206 ± 0.426 χ^2/NDF : 2709.6/19

77.998 ± 0.465 χ^2/NDF : 1755.7/21

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 $\pm$ 0.360 χ^2 /NDF: 387.2/16

Left Out: 15.146 $\pm$ 0.580 χ^2 /NDF: 22.6/2

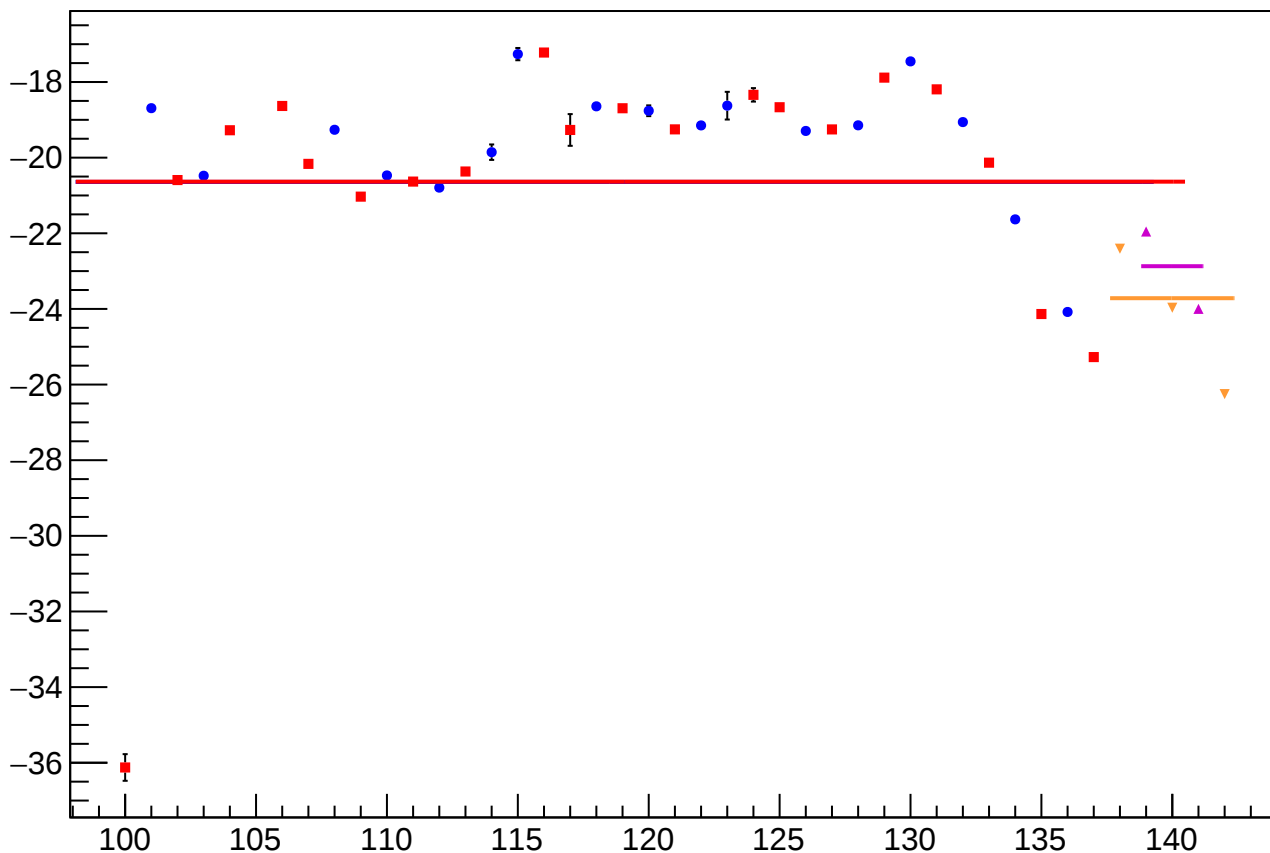
Right Out: 3.628 $\pm$ 0.374 χ^2 /NDF: 424.8/19

Left In: 13.263 $\pm$ 0.760 χ^2 /NDF: 34.3/1

8.141 $\pm$ 0.306 χ^2 /NDF: 612.2/19

5.510 $\pm$ 0.336 χ^2 /NDF: 588.5/21

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -23.716 ± 0.026 $\chi^2/\text{NDF}: 2728.8/2$

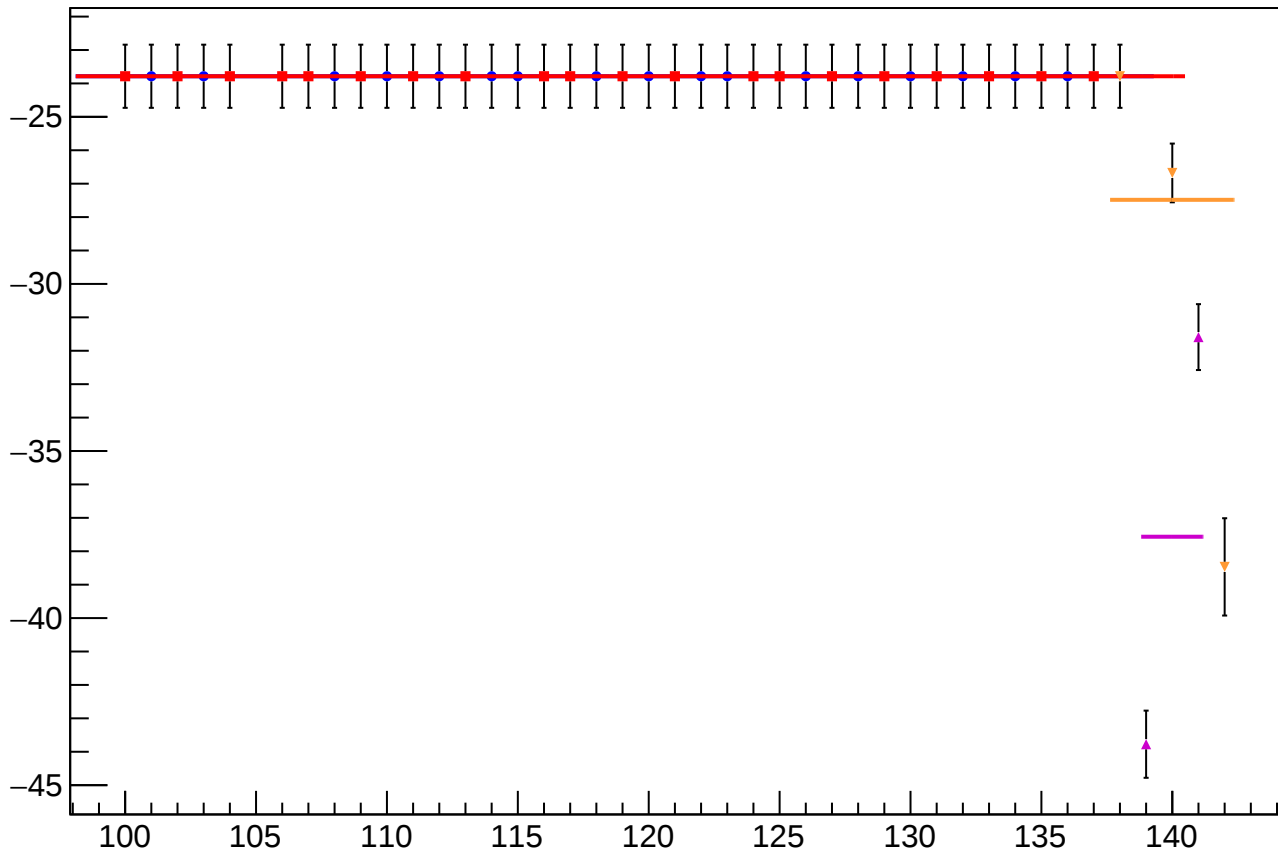
Right Out: -20.635 ± 0.019 $\chi^2/\text{NDF}: 13794.0/19$

Left In: -22.870 ± 0.028 $\chi^2/\text{NDF}: 1284.7/1$

-21.730 ± 0.016 $\chi^2/\text{NDF}: 24111.0/19$

-21.349 ± 0.016 $\chi^2/\text{NDF}: 19302.6/21$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -23.785 ± 0.229 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -27.483 ± 0.589 $\chi^2/\text{NDF}: 73.1/2$

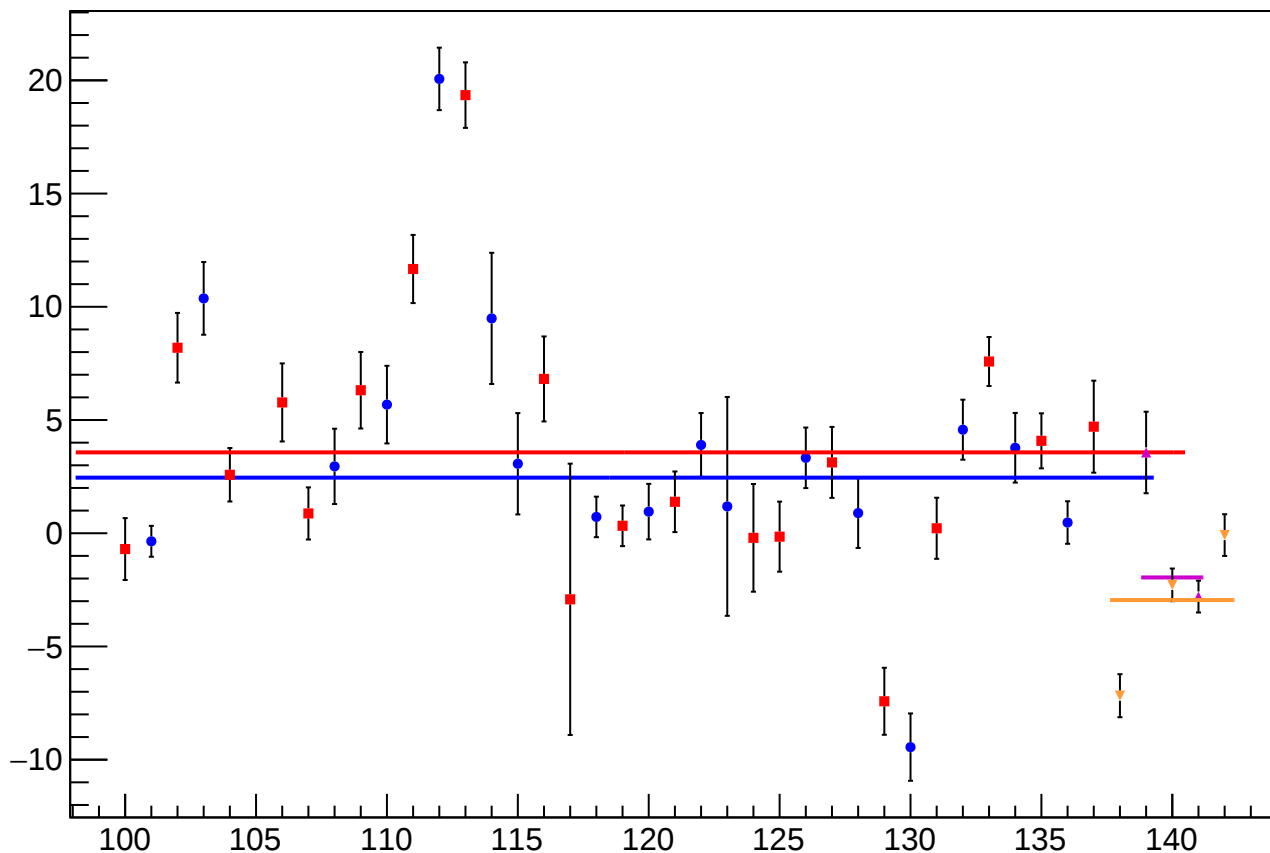
Right Out: -23.785 ± 0.211 $\chi^2/\text{NDF}: 0.0/19$

Left In: -37.565 ± 0.704 $\chi^2/\text{NDF}: 74.9/1$

-24.272 ± 0.214 $\chi^2/\text{NDF}: 107.3/19$

-24.925 ± 0.202 $\chi^2/\text{NDF}: 426.5/21$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: -2.950 ± 0.488 χ^2/NDF : 30.3/2

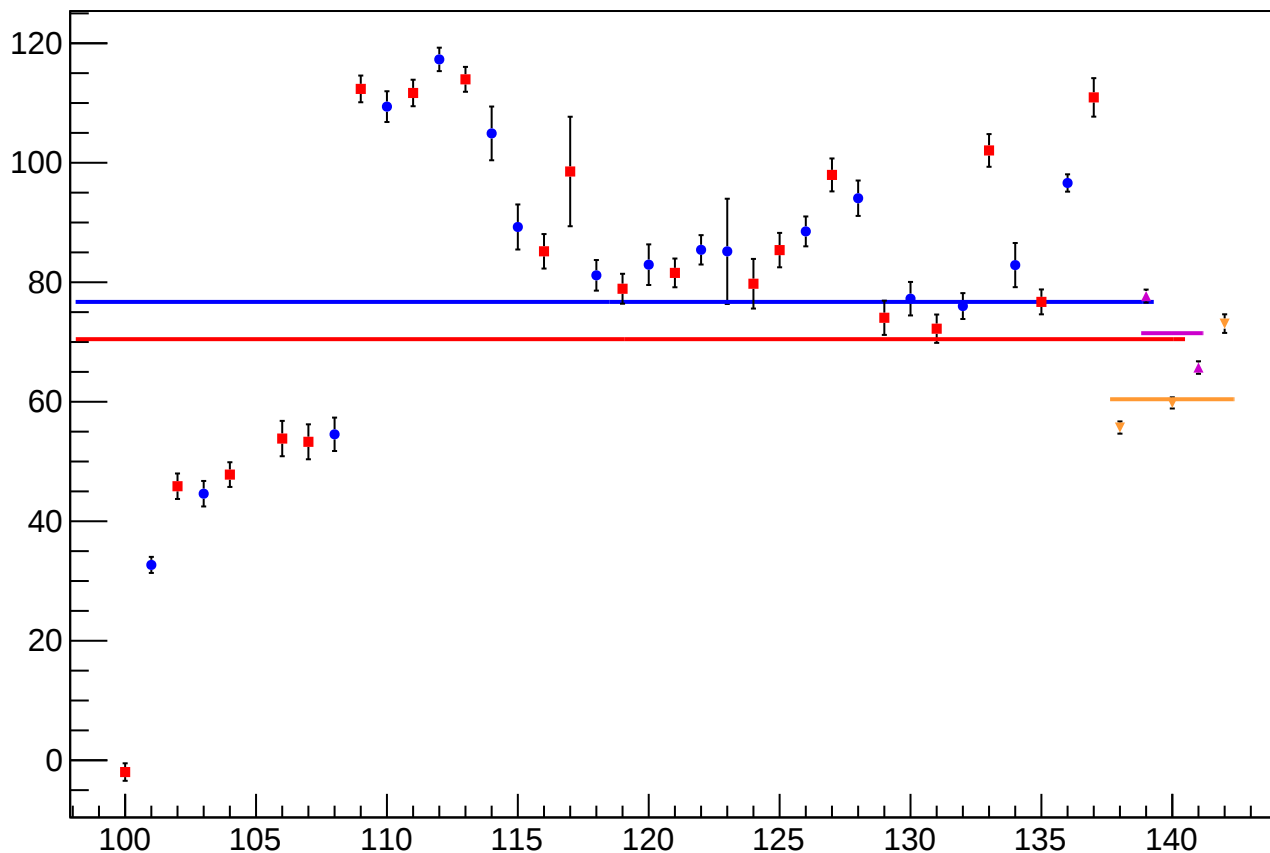
Right Out: 3.571 ± 0.317 χ^2/NDF : 281.0/19

Left In: -1.952 ± 0.655 χ^2/NDF : 10.8/1

0.866 ± 0.264 χ^2/NDF : 410.6/19

2.523 ± 0.286 χ^2/NDF : 349.4/21

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 60.423+/-0.632 χ^2/NDF : 87.8/2

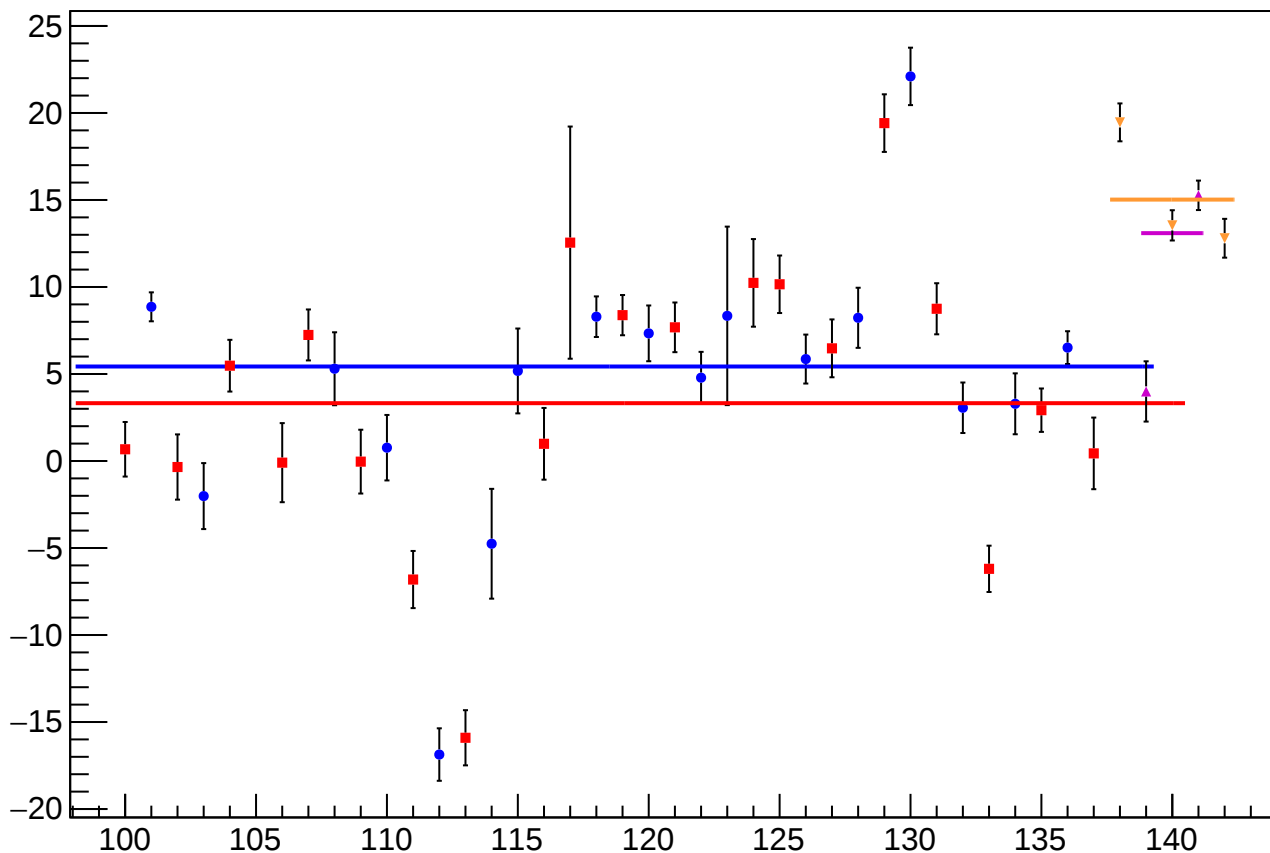
Right Out: 70.477+/-0.549 χ^2/NDF : 4400.1/19

Left In: 71.478+/-0.755 χ^2/NDF : 62.6/1

69.313+/-0.426 χ^2/NDF : 2717.3/19

70.823+/-0.444 χ^2/NDF : 4463.8/21

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 15.022 ± 0.580 χ^2/NDF : 23.5/2

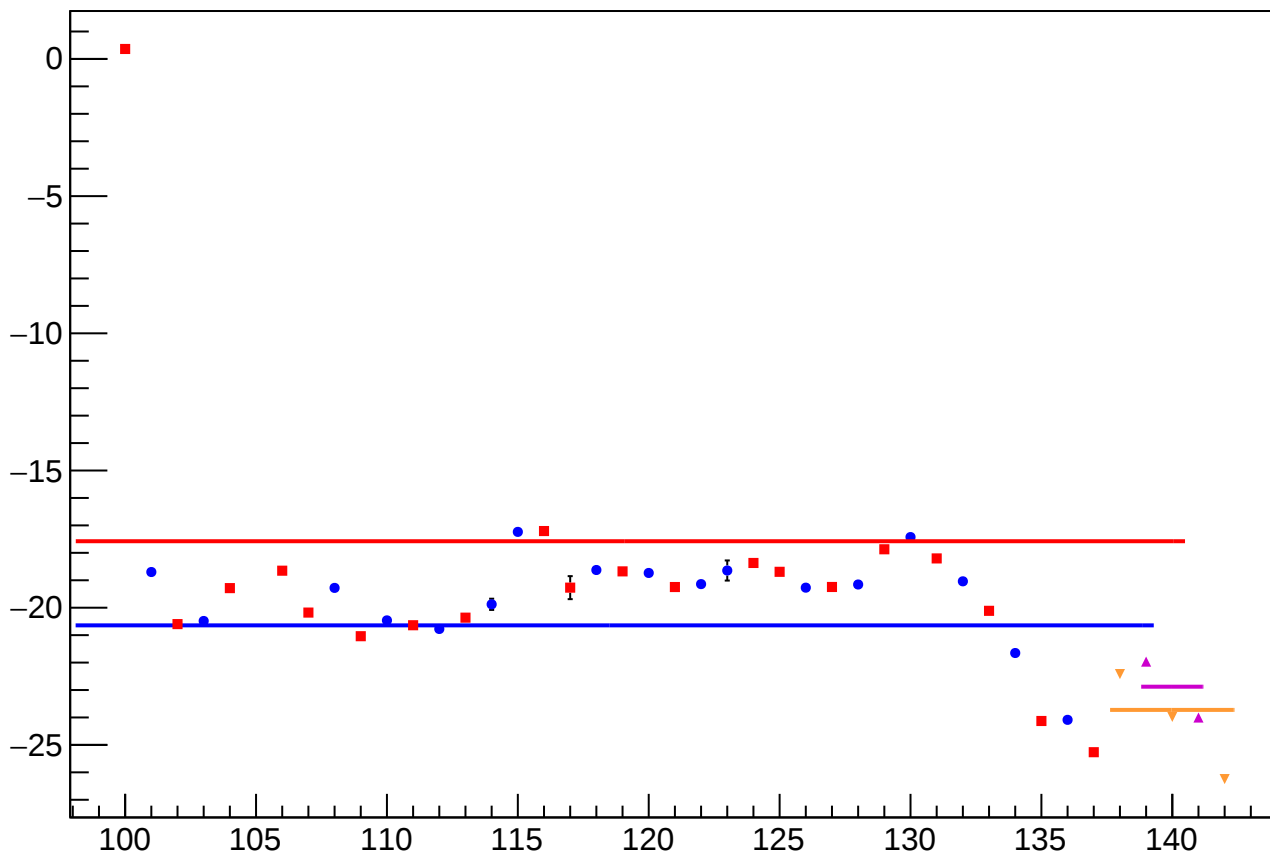
Right Out: 3.323 ± 0.365 χ^2/NDF : 428.0/19

Left In: 13.094 ± 0.760 χ^2/NDF : 34.2/1

8.102 ± 0.306 χ^2/NDF : 606.5/19

5.149 ± 0.329 χ^2/NDF : 596.5/21

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643±/0.019 χ^2/NDF : 12468.6/16

Left Out: -23.725±/0.026 χ^2/NDF :2703.3/2

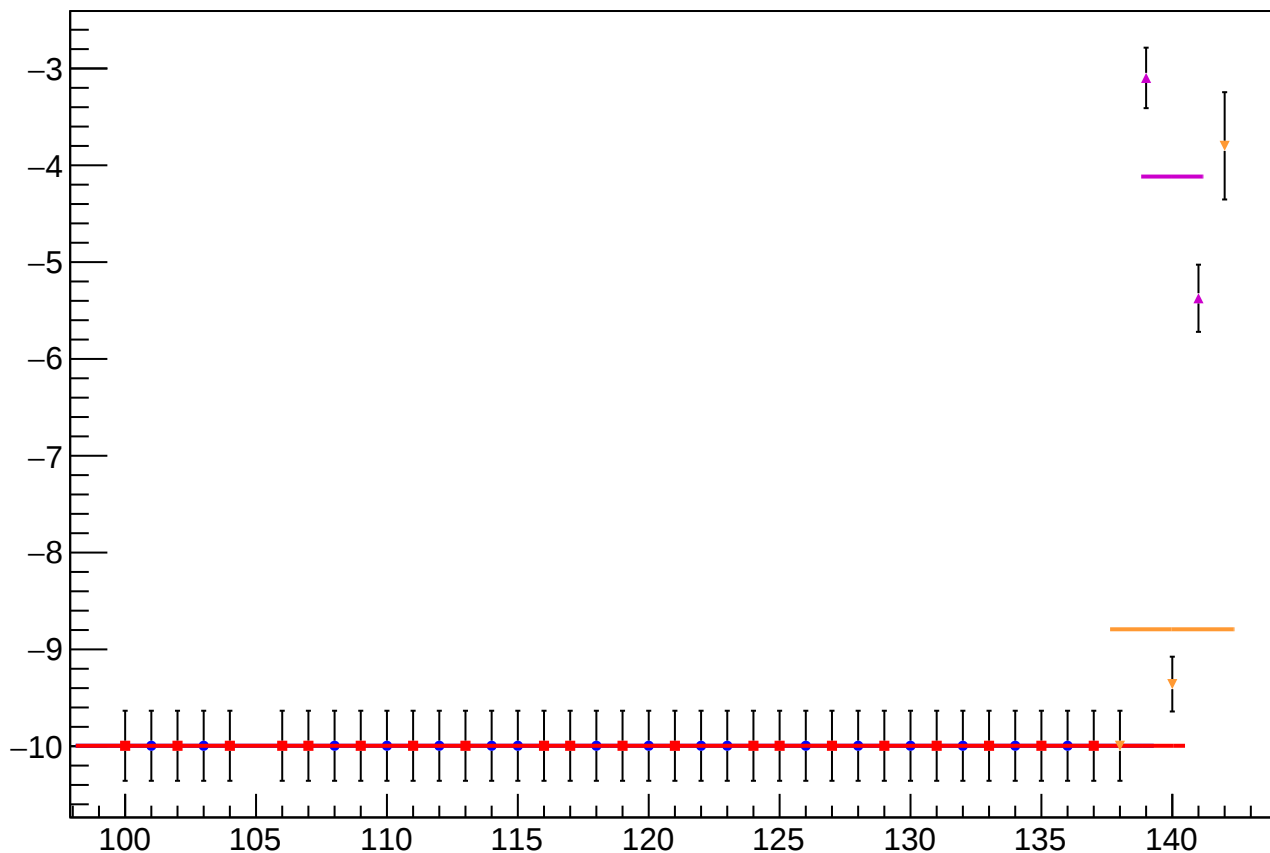
Right Out: -17.577±/0.018 χ^2/NDF : 178343.3/19

Left In: -22.879±/0.028 χ^2/NDF :1274.1/1

-21.734±/0.016 χ^2/NDF : 24150.8/19

-19.099±/0.015 χ^2/NDF : 204471.6/21

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -9.995+/-0.088 χ^2/NDF : 0.0/16

Left Out: -8.792+/-0.207 χ^2/NDF : 96.3/2

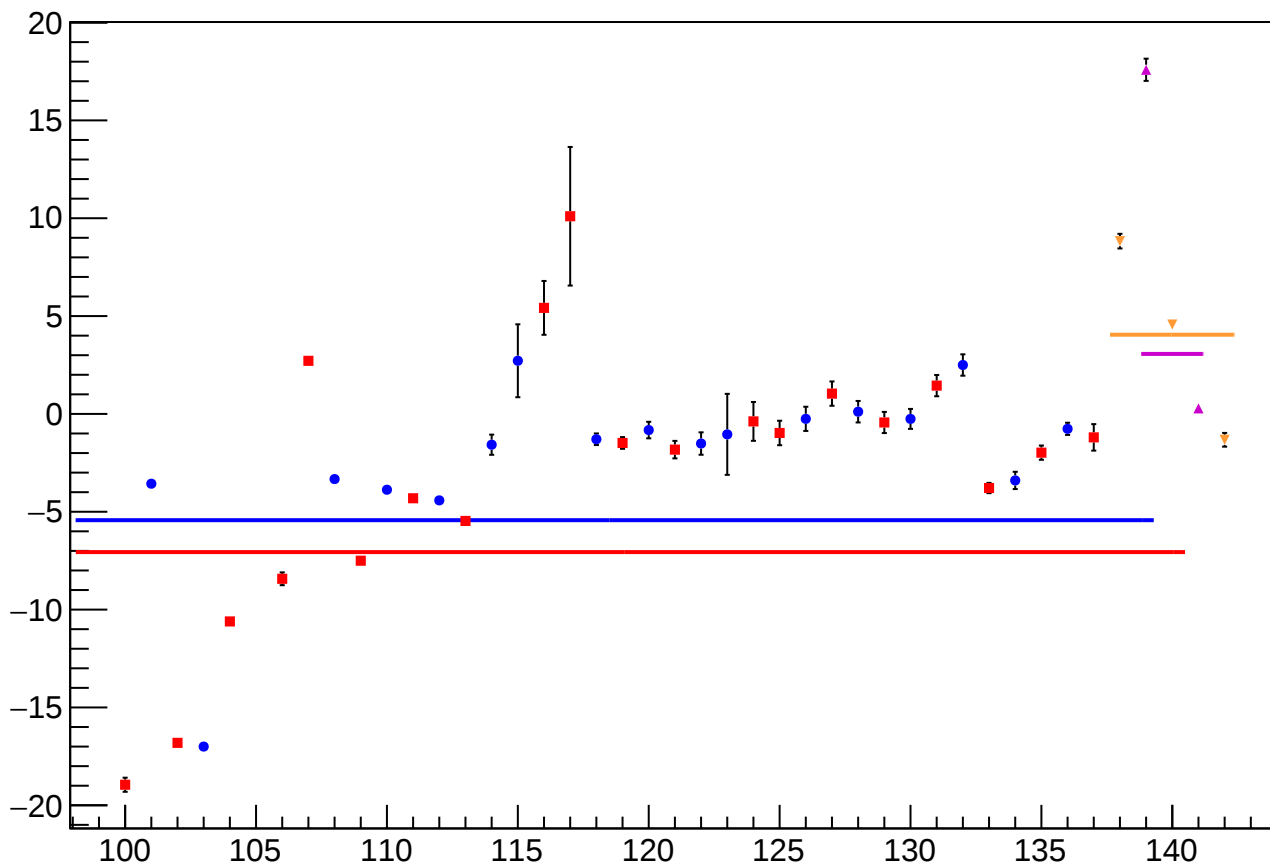
Right Out: -9.995+/-0.081 χ^2/NDF : 0.0/19

Left In: -4.116+/-0.232 χ^2/NDF : 23.8/1

-9.812+/-0.081 χ^2/NDF : 125.0/19

-9.359+/-0.076 χ^2/NDF : 595.8/21

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431+/-0.055 χ^2/NDF : 9233.8/16

Left Out: 4.048+/-0.173 χ^2/NDF :401.7/2

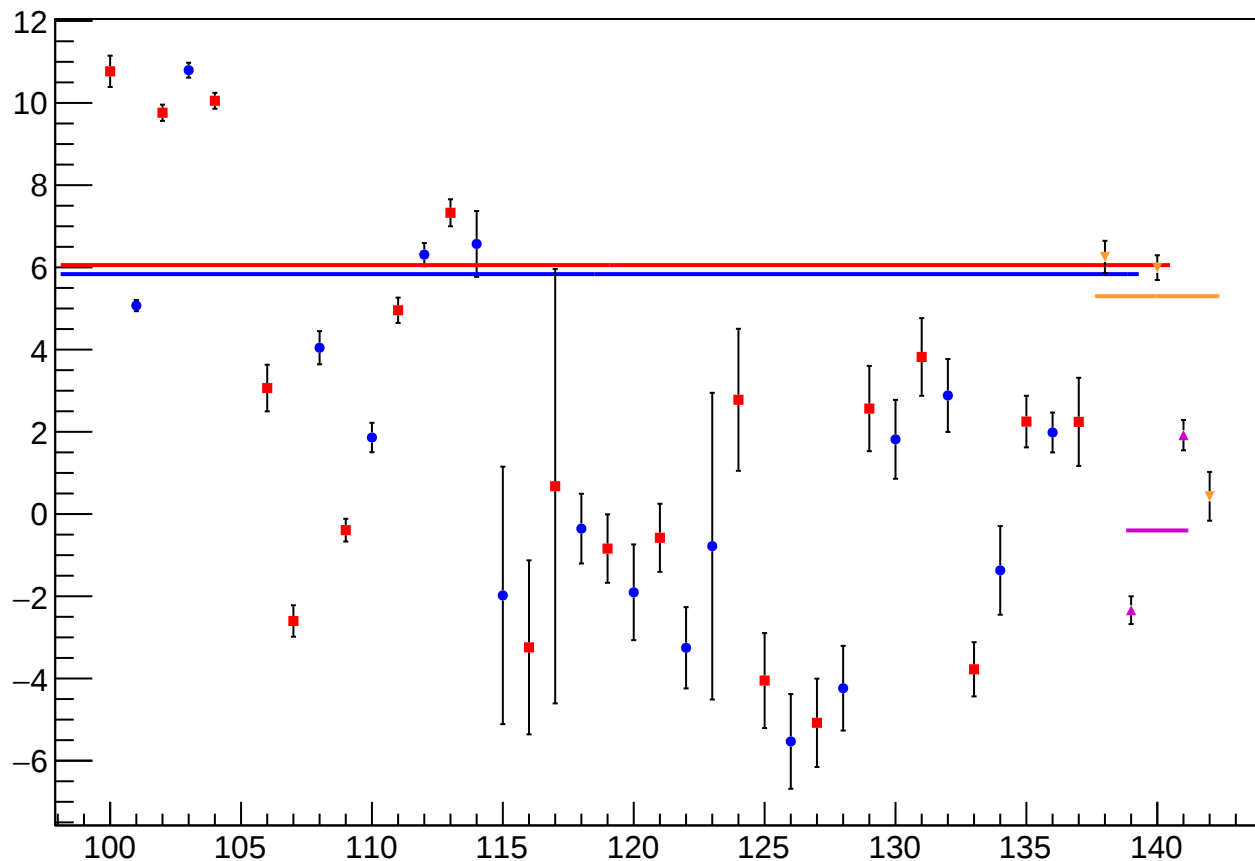
Right Out: -7.061+/-0.059 χ^2/NDF : 12330.1/19

Left In: 3.066+/-0.228 χ^2/NDF :780.0/1

-4.566+/-0.052 χ^2/NDF : 12356.9/19

-6.423+/-0.057 χ^2/NDF : 14965.2/21

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 5.299 $\pm$ 0.222 χ^2 /NDF: 78.6/2

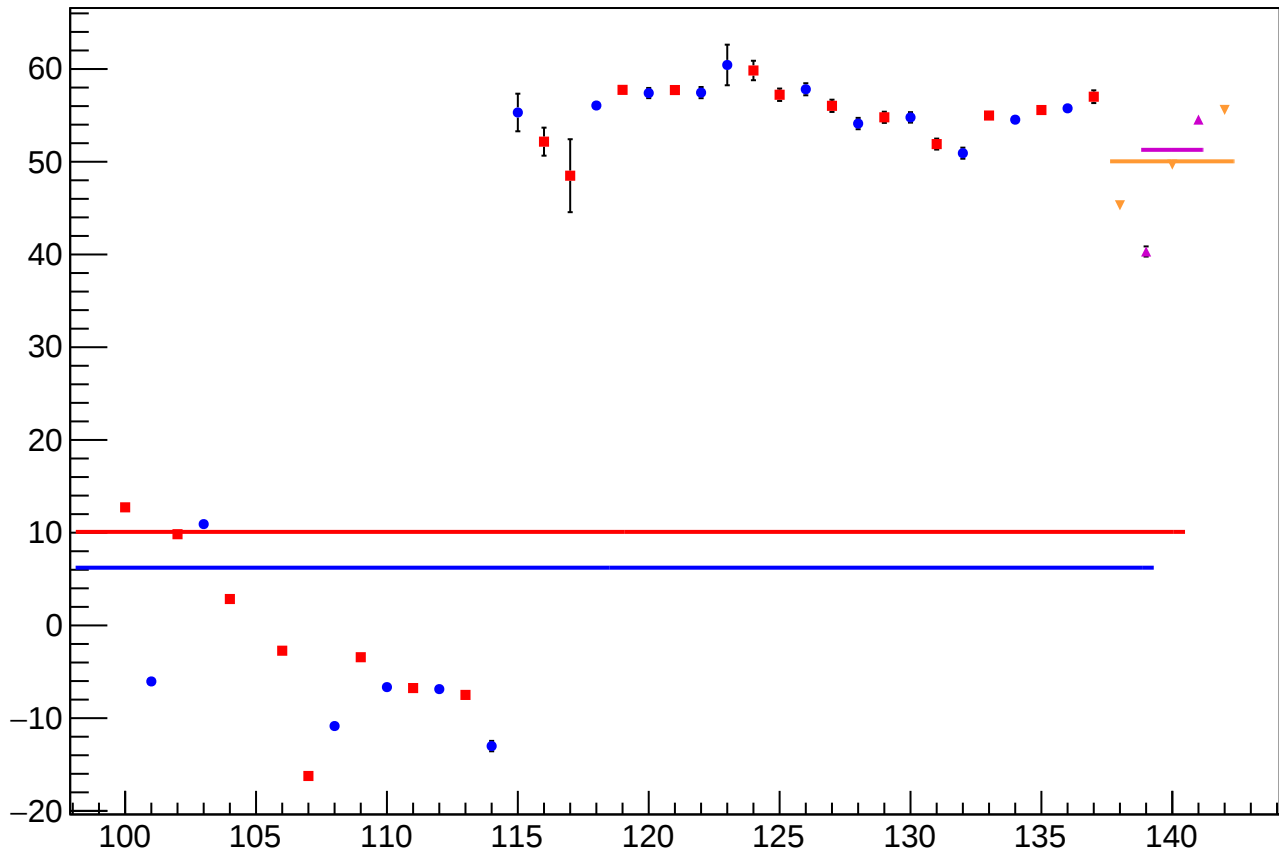
Right Out: 6.056 $\pm$ 0.093 χ^2 /NDF: 2669.9/19

Left In: -0.399 $\pm$ 0.249 χ^2 /NDF: 72.5/1

5.761 $\pm$ 0.083 χ^2 /NDF: 1524.5/19

5.261 $\pm$ 0.087 χ^2 /NDF: 3331.6/21

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 50.045+/-0.206 χ^2/NDF : 296.4/2

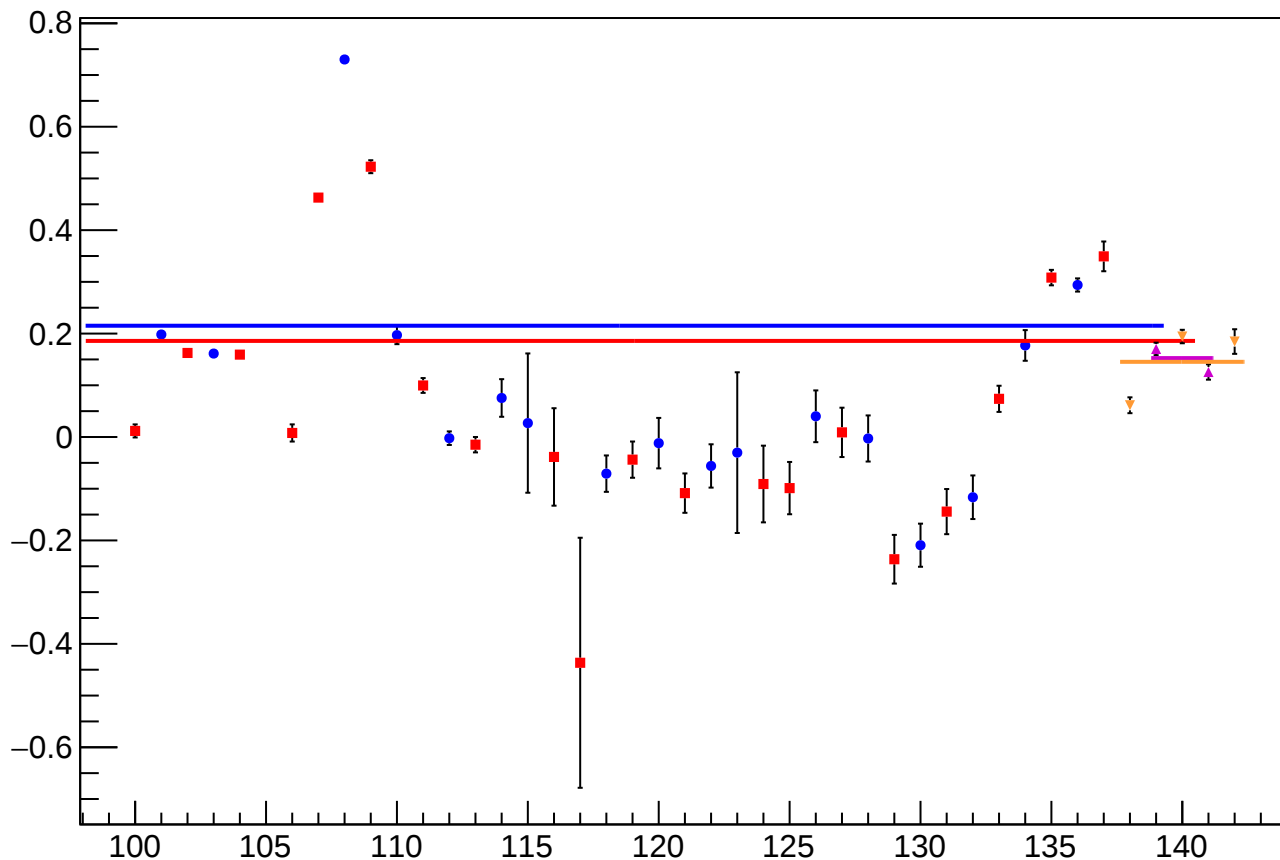
Right Out: 10.087+/-0.070 χ^2/NDF : 122144.7/19

Left In: 51.285+/-0.262 χ^2/NDF : 521.4/1

10.174+/-0.062 χ^2/NDF : 162404.3/19

12.814+/-0.067 χ^2/NDF : 145774.2/21

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.145 $\pm$ 0.009 χ^2 /NDF:46.9/2

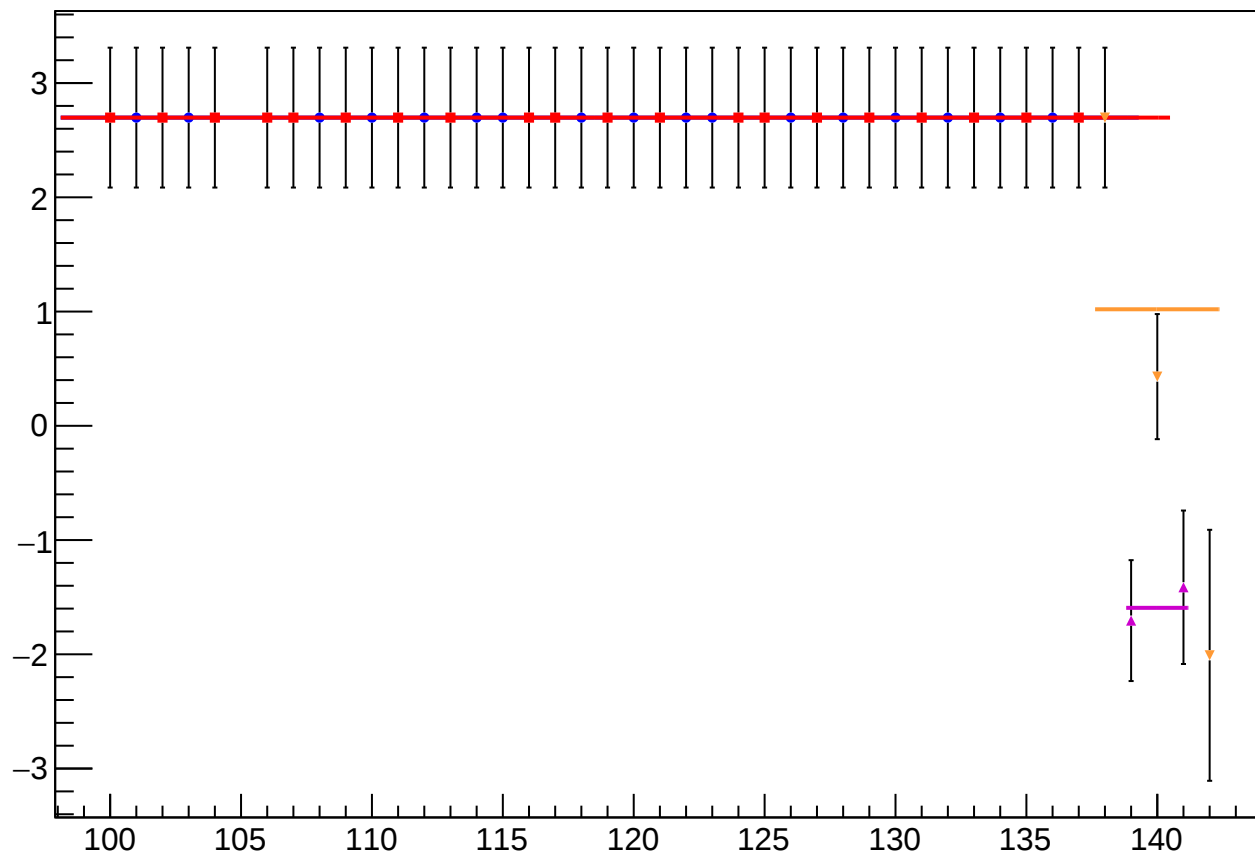
Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

Left In: 0.153 $\pm$ 0.009 χ^2 /NDF:5.4/1

0.209 $\pm$ 0.003 χ^2 /NDF: 4026.1/19

0.183 $\pm$ 0.003 χ^2 /NDF: 2741.8/21

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: 2.698 $\pm$ 0.148 χ^2 /NDF: 0.0/16

Left Out: 1.020 $\pm$ 0.383 χ^2 /NDF: 16.3/2

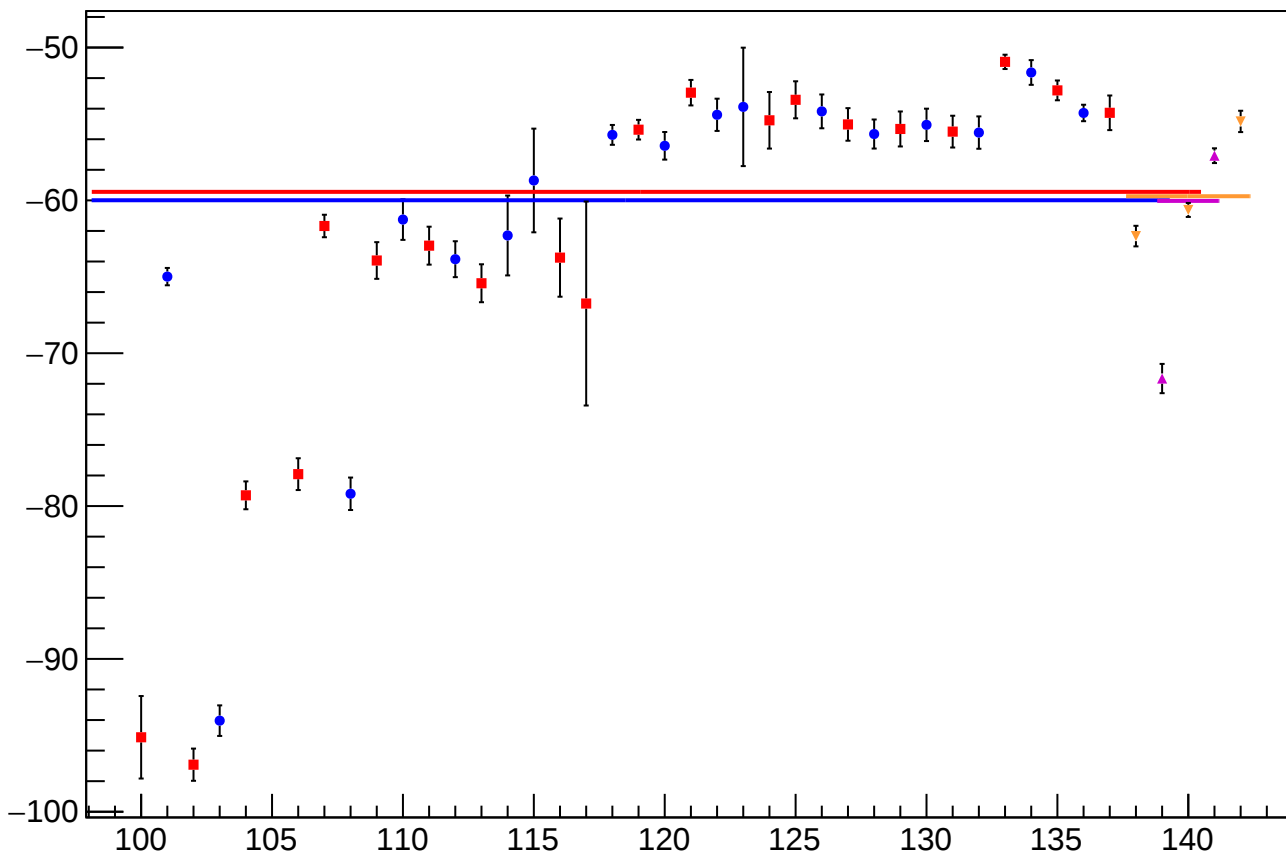
Right Out: 2.698 $\pm$ 0.137 χ^2 /NDF: 0.0/19

Left In: -1.593 $\pm$ 0.416 χ^2 /NDF: 0.1/1

2.478 $\pm$ 0.138 χ^2 /NDF: 33.0/19

2.278 $\pm$ 0.130 χ^2 /NDF: 96.3/21

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992±/0.225 χ^2/NDF : 1972.9/16

Left Out: -59.729±/0.333 χ^2/NDF : 68.0/2

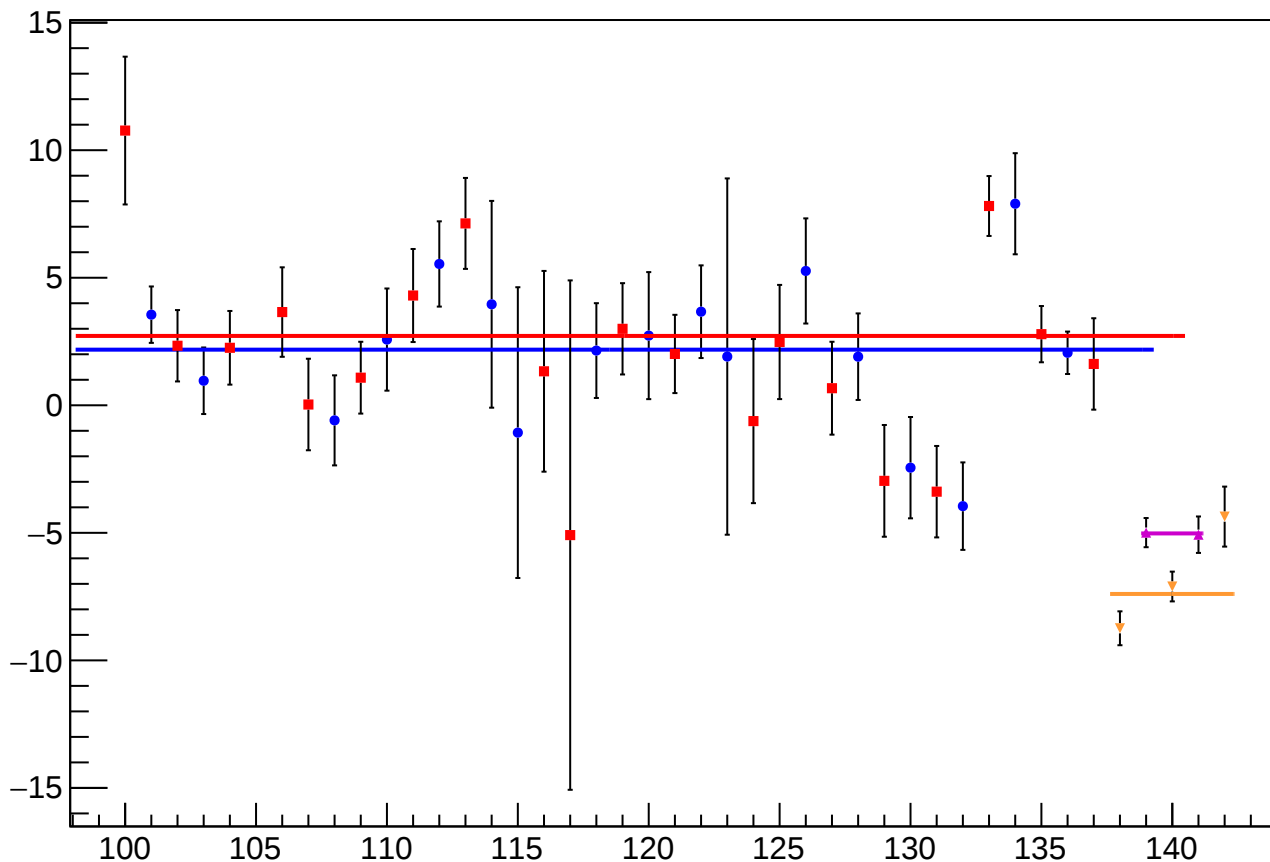
Right Out: -59.442±/0.212 χ^2/NDF : 2919.1/19

Left In: -60.034±/0.431 χ^2/NDF : 184.9/1

-59.909±/0.186 χ^2/NDF : 2041.4/19

-59.557±/0.190 χ^2/NDF : 3105.5/21

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 χ^2/NDF : 39.0/16

Left Out: -7.396 ± 0.411 χ^2/NDF : 11.0/2

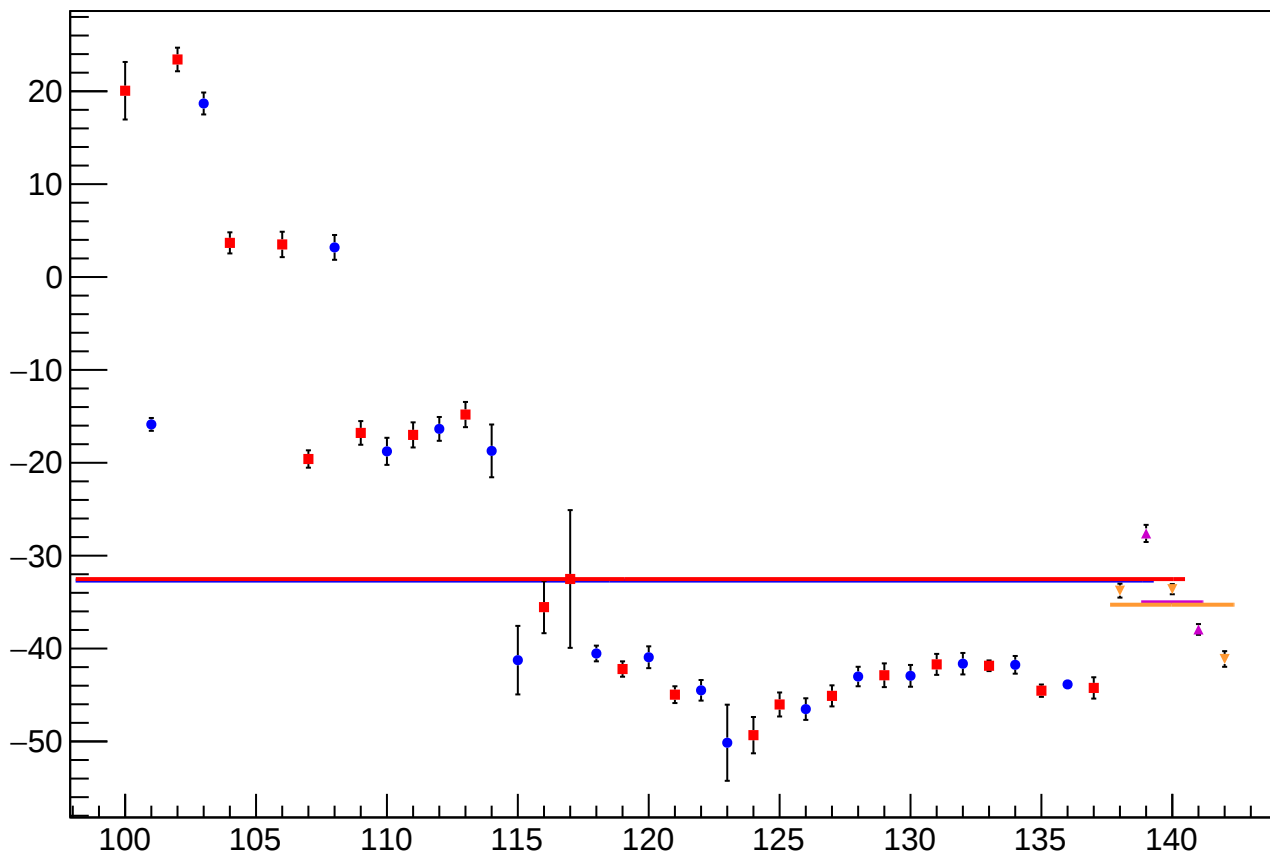
Right Out: 2.719 ± 0.388 χ^2/NDF : 59.5/19

Left In: -5.023 ± 0.447 χ^2/NDF : 0.0/1

-2.548 ± 0.289 χ^2/NDF : 325.2/19

-0.609 ± 0.293 χ^2/NDF : 231.0/21

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: -35.280 ± 0.392 $\chi^2/\text{NDF}: 61.4/2$

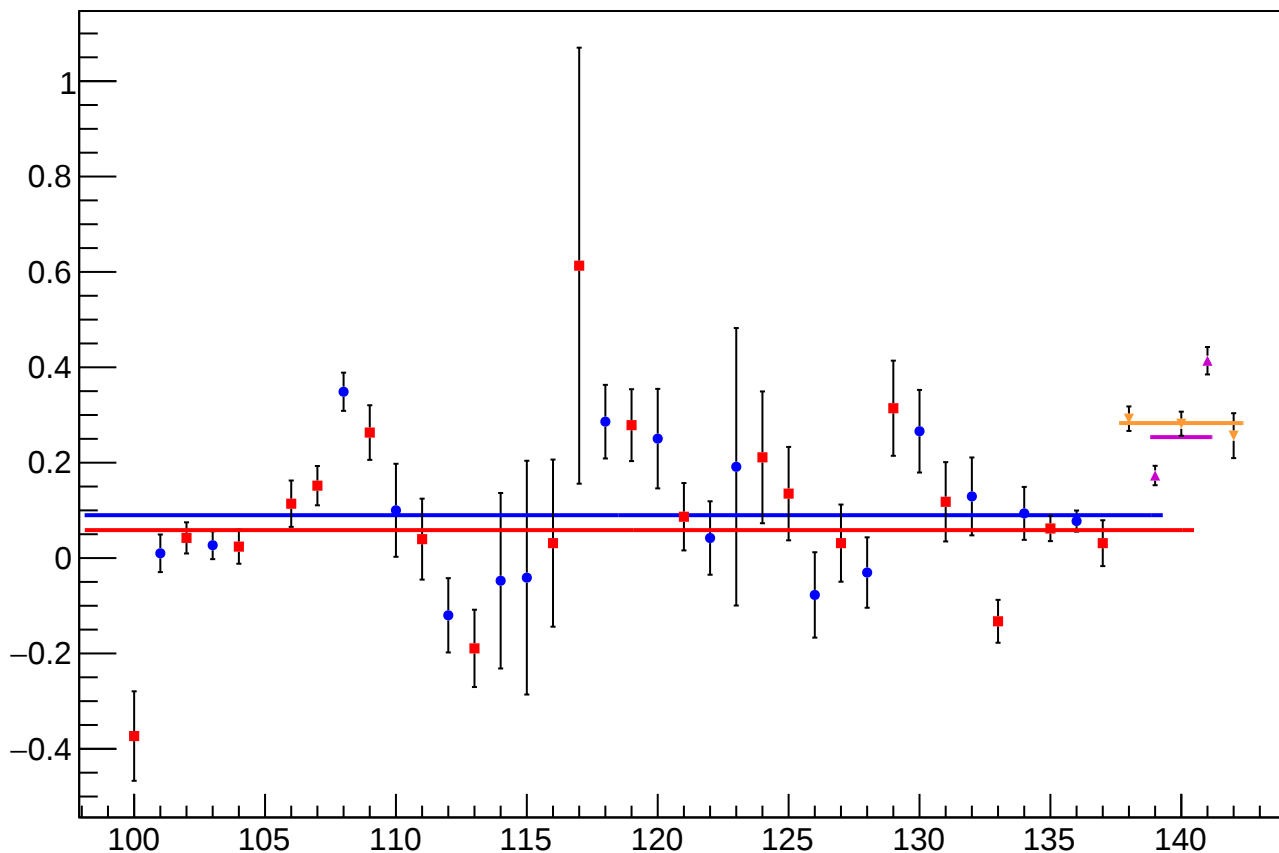
Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

Left In: -35.023 ± 0.490 $\chi^2/\text{NDF}: 90.2/1$

-33.457 ± 0.214 $\chi^2/\text{NDF}: 4739.1/19$

-33.019 ± 0.218 $\chi^2/\text{NDF}: 6156.3/21$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.283 $\pm$ 0.017 χ^2 /NDF: 0.4/2

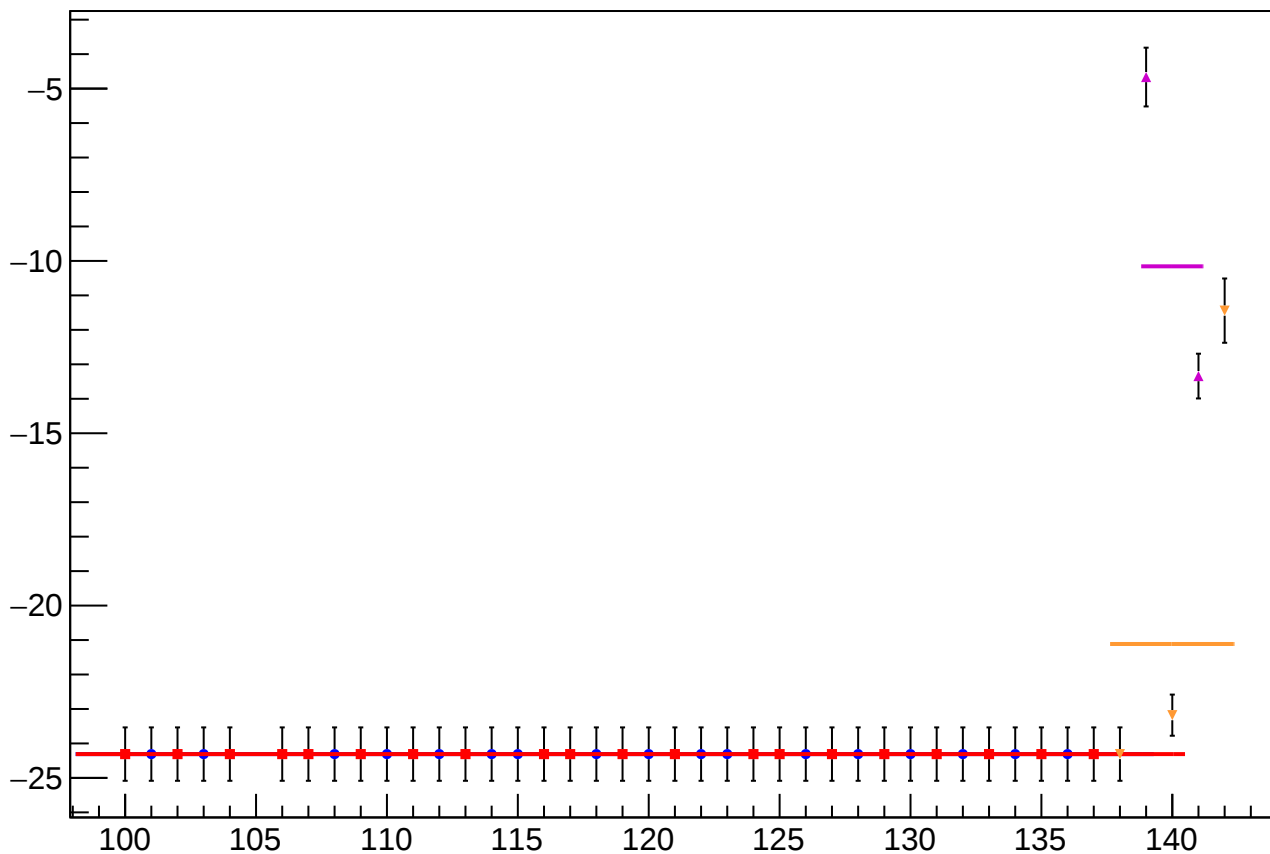
Right Out: 0.059 $\pm$ 0.012 χ^2 /NDF: 88.6/19

Left In: 0.254 $\pm$ 0.017 χ^2 /NDF: 46.7/1

0.160 $\pm$ 0.010 χ^2 /NDF: 163.1/19

0.127 $\pm$ 0.010 χ^2 /NDF: 224.9/21

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -24.309 ± 0.188 χ^2/NDF : 0.0/16

Left Out: -21.114 ± 0.422 χ^2/NDF : 136.5/2

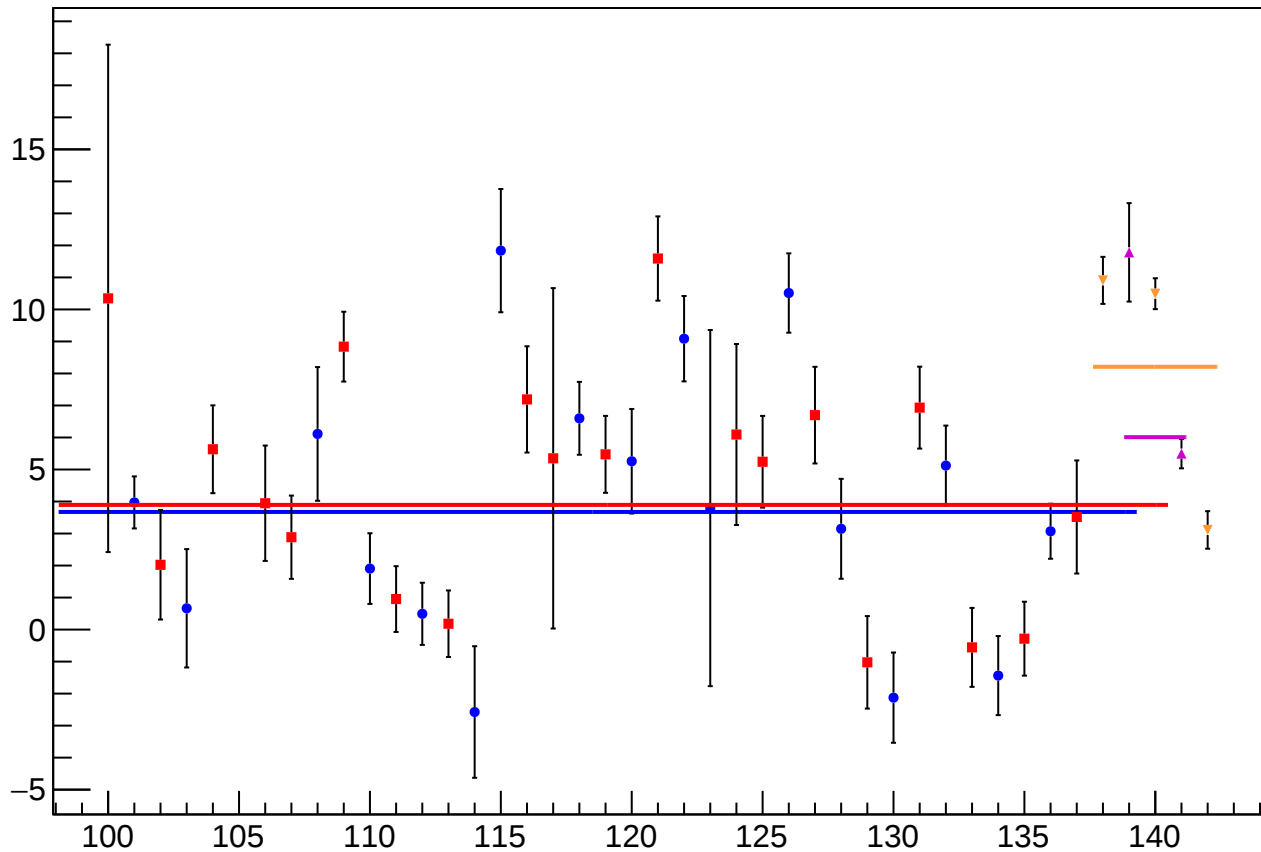
Right Out: -24.309 ± 0.173 χ^2/NDF : 0.0/19

Left In: -10.157 ± 0.517 χ^2/NDF : 65.5/1

-23.780 ± 0.172 χ^2/NDF : 184.4/19

-22.879 ± 0.164 χ^2/NDF : 740.3/21

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: 8.208 $\pm$ 0.332 χ^2 /NDF:111.4/2

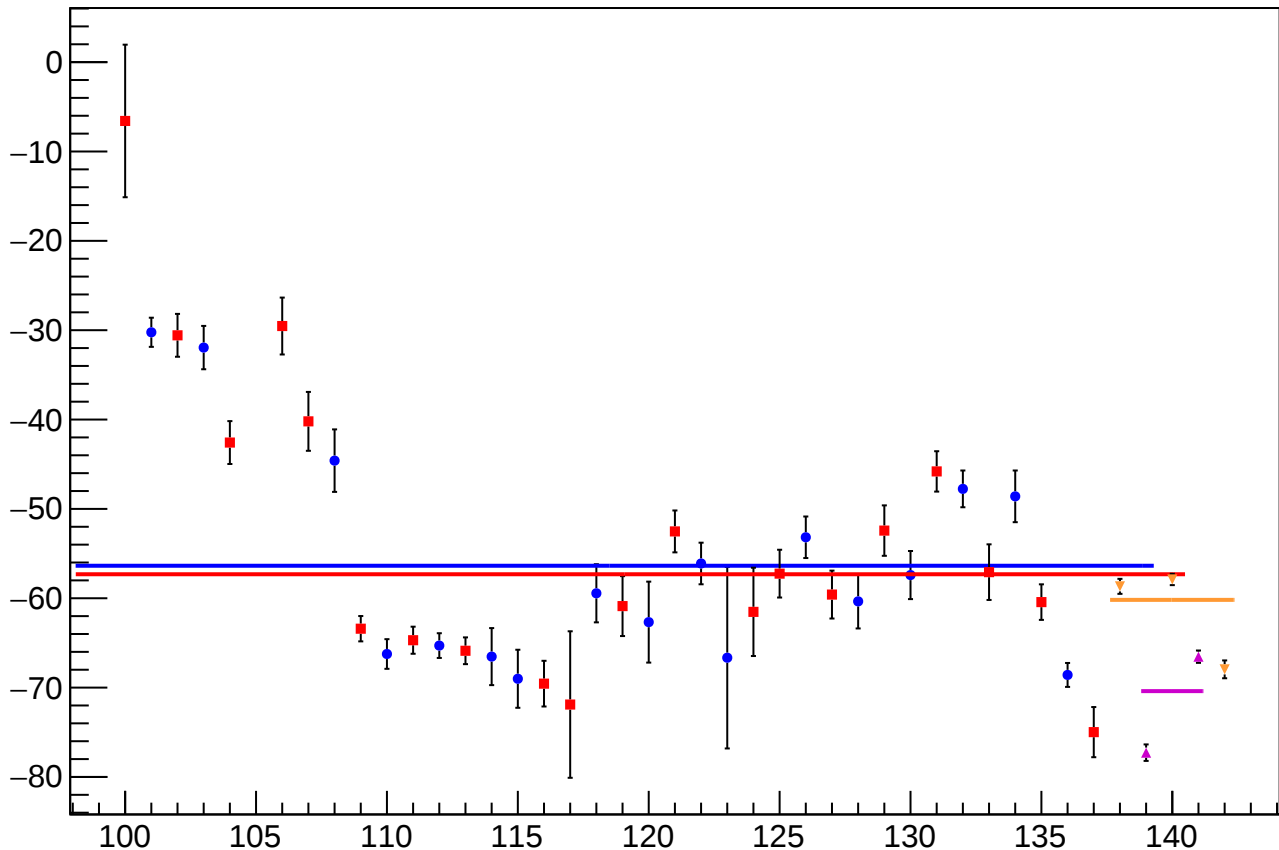
Right Out: 3.895 $\pm$ 0.316 χ^2 /NDF: 133.8/19

Left In: 6.011 $\pm$ 0.440 χ^2 /NDF:15.3/1

5.787 $\pm$ 0.227 χ^2 /NDF: 346.0/19

4.614 $\pm$ 0.256 χ^2 /NDF: 164.4/21

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 $\pm$ 0.543 χ^2 /NDF: 587.2/16

Left Out: -60.180 $\pm$ 0.452 χ^2 /NDF: 76.9/2

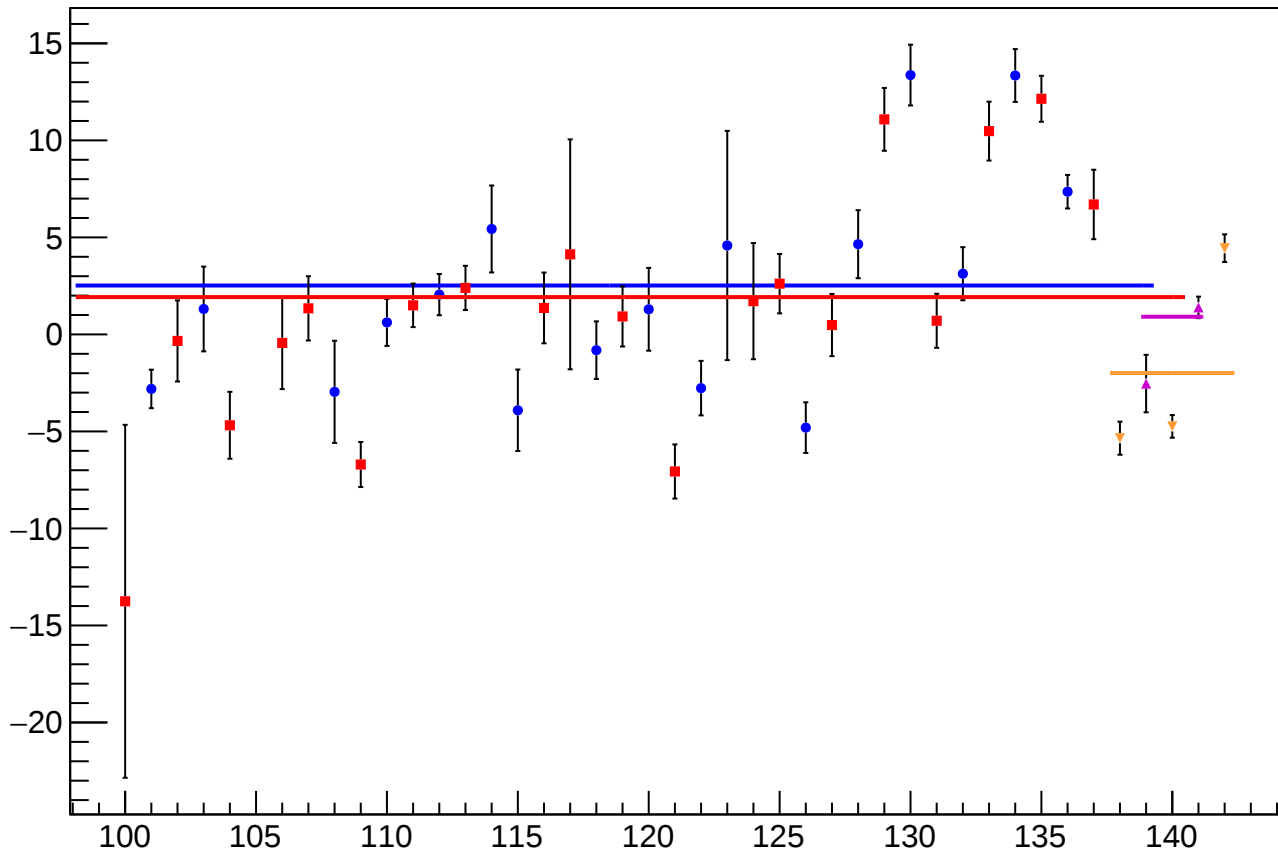
Right Out: -57.314 $\pm$ 0.535 χ^2 /NDF: 479.2/19

Left In: -70.393 $\pm$ 0.553 χ^2 /NDF: 86.9/1

-58.619 $\pm$ 0.347 χ^2 /NDF: 693.3/19

-63.639 $\pm$ 0.384 χ^2 /NDF: 855.1/21

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 $\chi^2/\text{NDF}: 242.3/16$

Left Out: -1.991 ± 0.399 $\chi^2/\text{NDF}: 119.2/2$

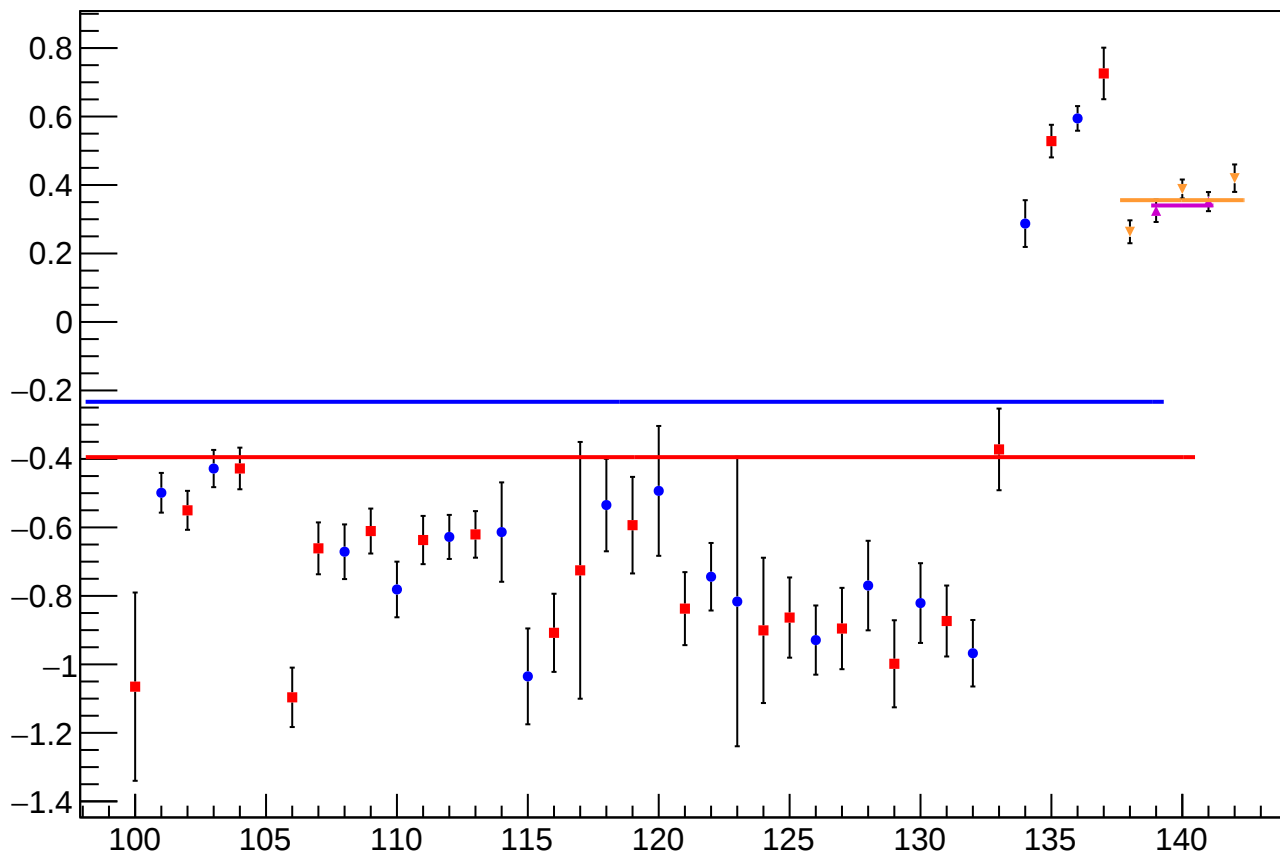
Right Out: 1.922 ± 0.354 $\chi^2/\text{NDF}: 264.7/19$

Left In: 0.909 ± 0.519 $\chi^2/\text{NDF}: 6.2/1$

0.578 ± 0.262 $\chi^2/\text{NDF}: 434.2/19$

1.600 ± 0.293 $\chi^2/\text{NDF}: 273.4/21$

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.356 ± 0.019 χ^2/NDF : 11.6/2

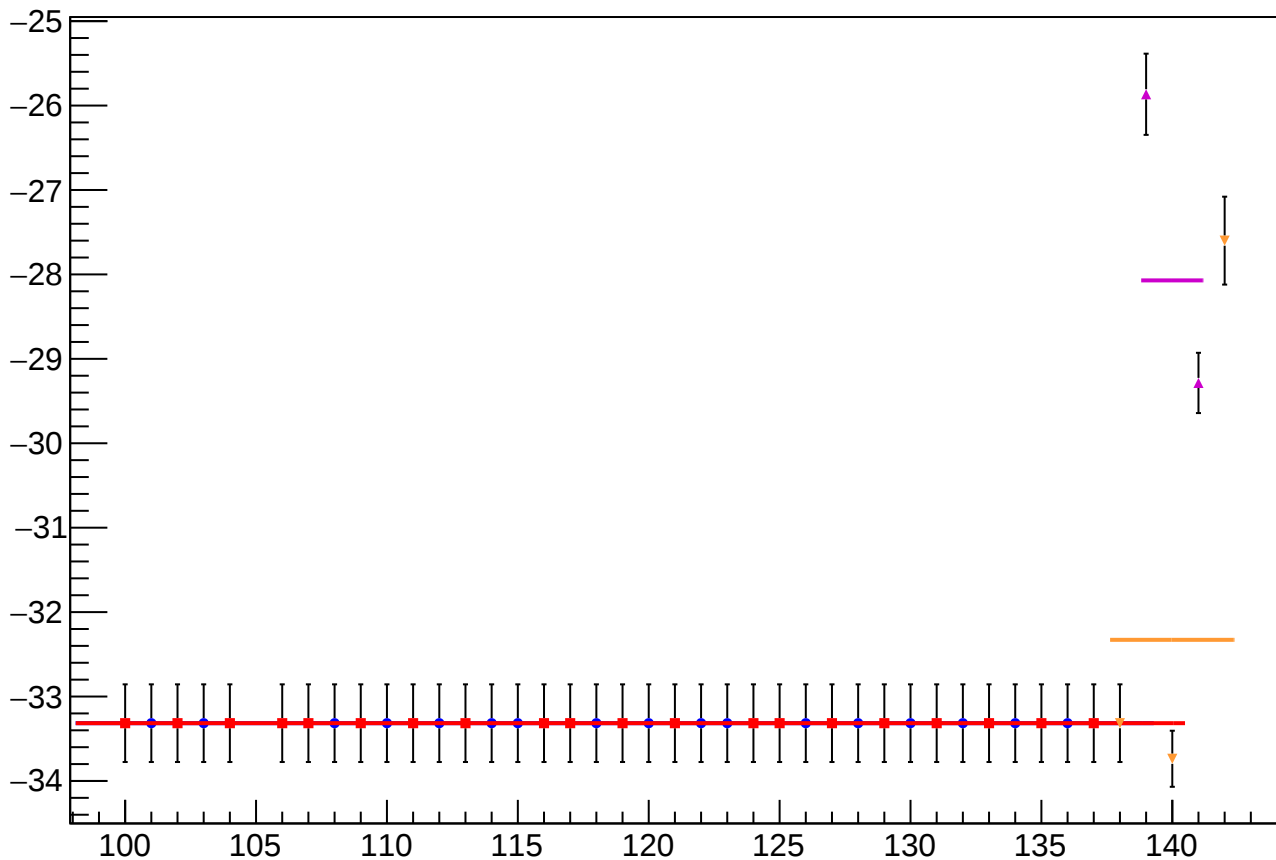
Right Out: -0.395 ± 0.019 χ^2/NDF : 845.9/19

Left In: 0.340 ± 0.021 χ^2/NDF : 0.4/1

0.062 ± 0.013 χ^2/NDF : 1455.2/19

-0.068 ± 0.014 χ^2/NDF : 1513.5/21

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.316 ± 0.112 χ^2/NDF : 0.0/16

Left Out: -32.328 ± 0.239 χ^2/NDF : 105.1/2

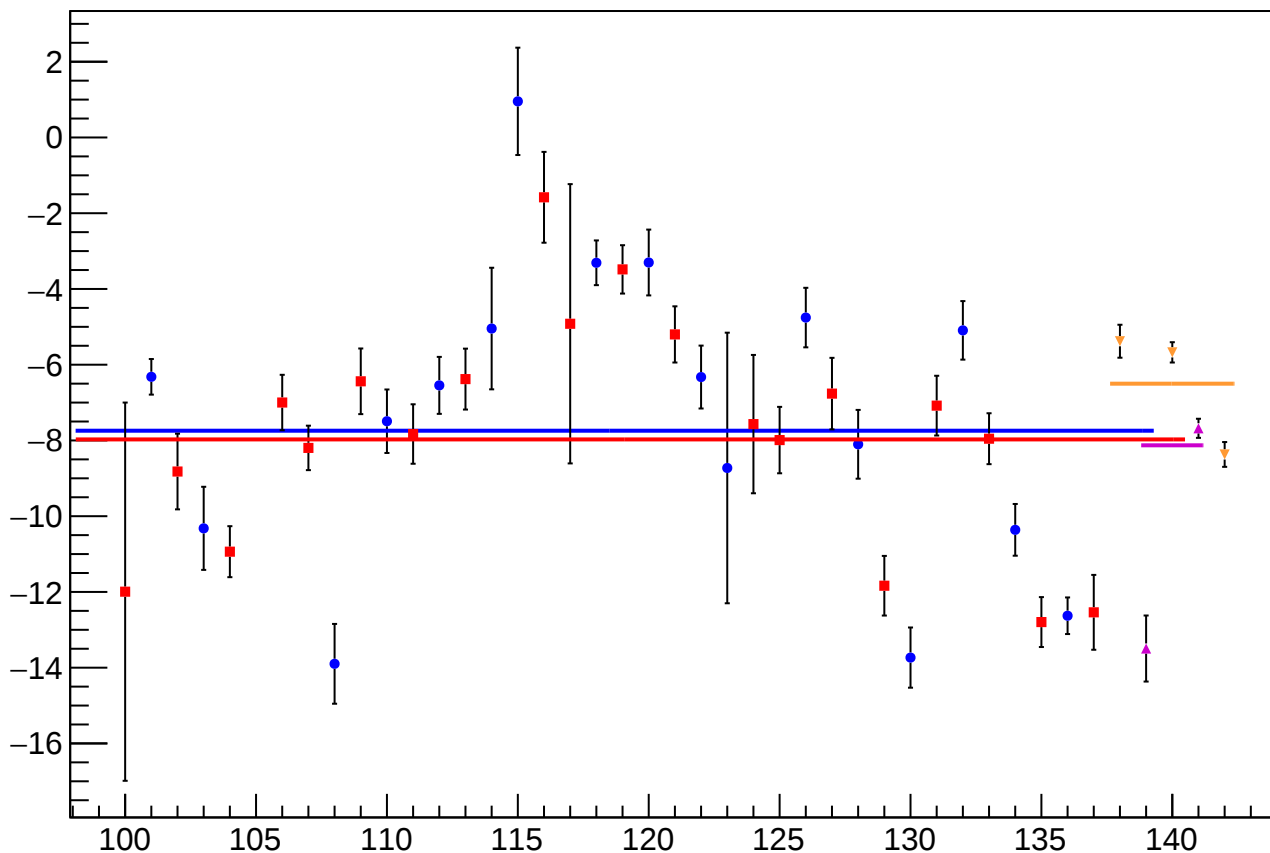
Right Out: -33.316 ± 0.103 χ^2/NDF : 0.0/19

Left In: -28.071 ± 0.287 χ^2/NDF : 32.6/1

-33.139 ± 0.101 χ^2/NDF : 119.1/19

-32.717 ± 0.097 χ^2/NDF : 329.2/21

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743+/-0.187 χ^2/NDF : 377.5/16

Left Out: -6.501+/-0.187 χ^2/NDF : 48.7/2

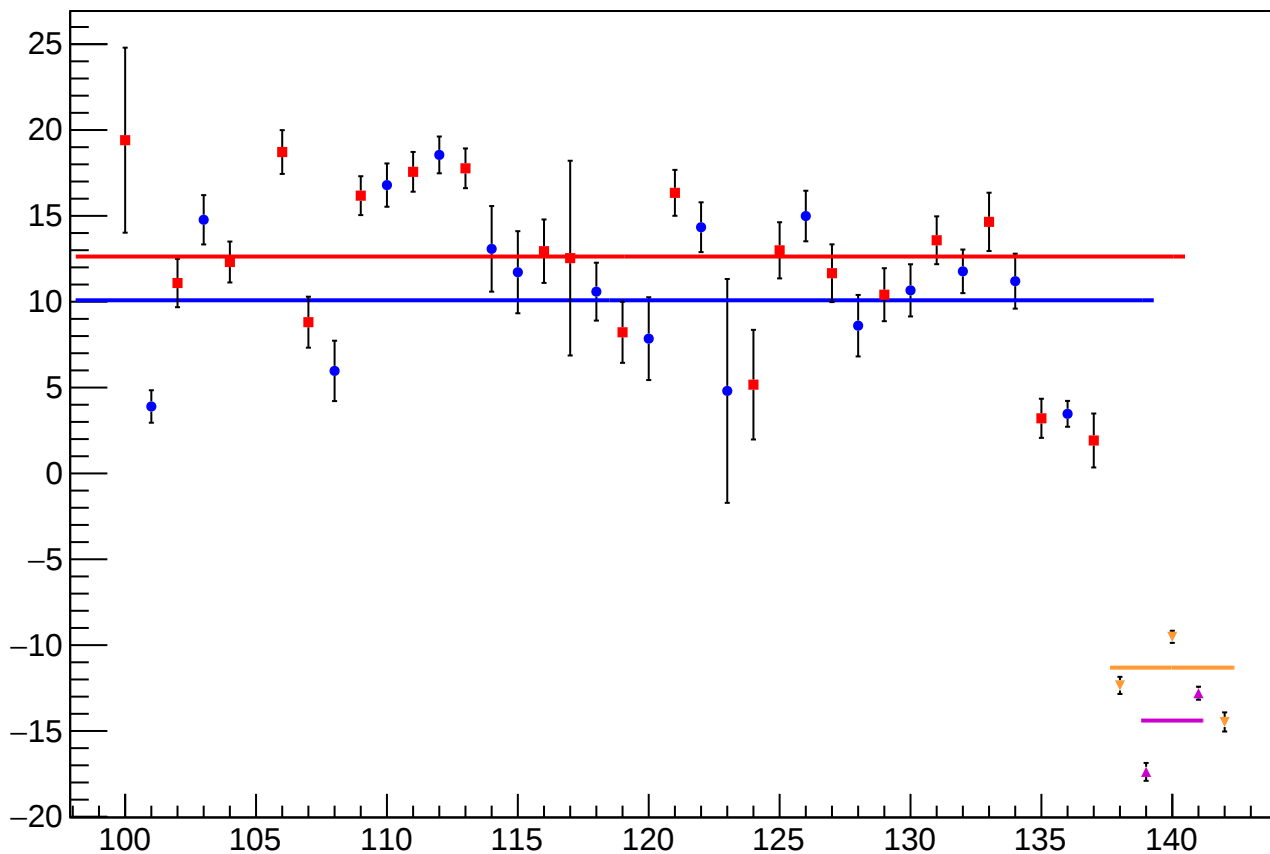
Right Out: -7.973+/-0.186 χ^2/NDF : 224.2/19

Left In: -8.128+/-0.242 χ^2/NDF : 41.0/1

-7.123+/-0.132 χ^2/NDF : 448.2/19

-8.030+/-0.147 χ^2/NDF : 265.5/21

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083+/-0.338 χ^2/NDF : 252.7/16

Left Out: -11.310+/-0.256 χ^2/NDF : 62.3/2

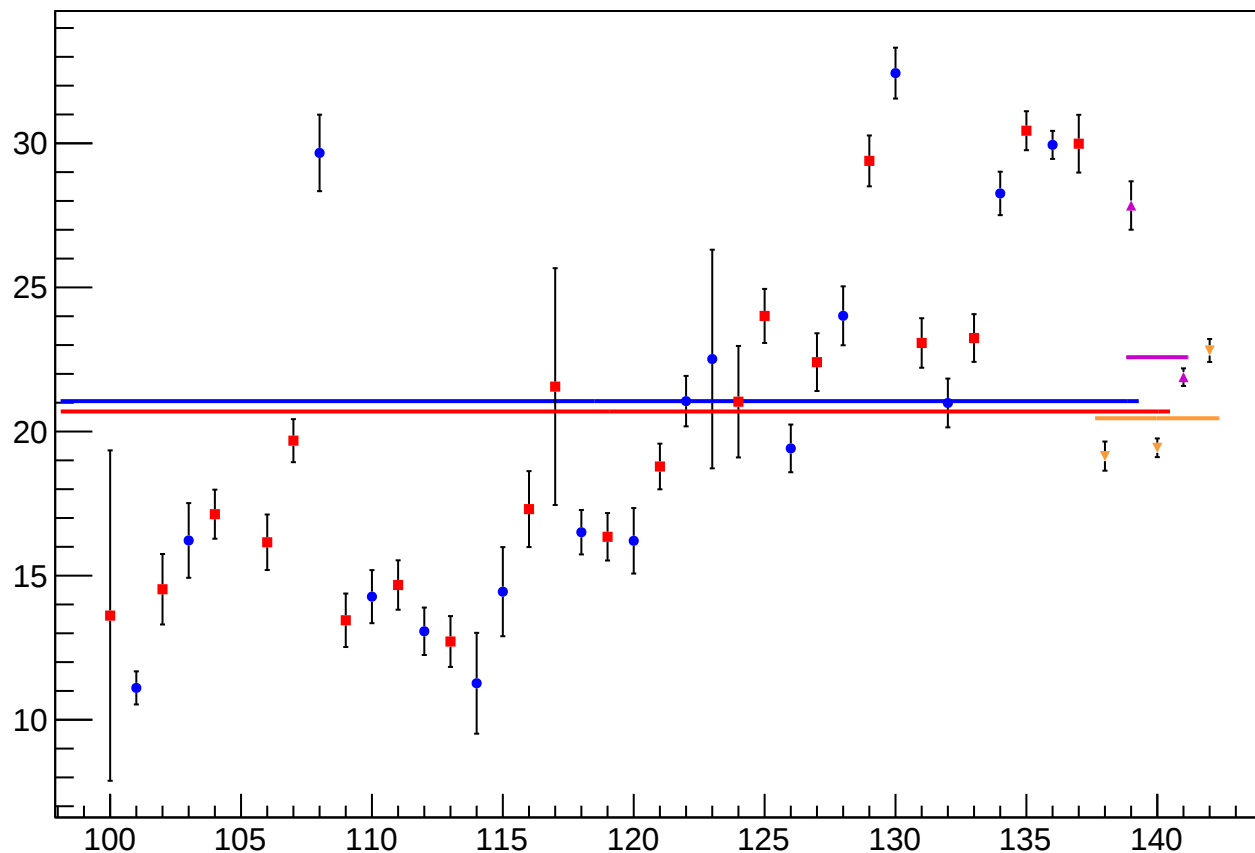
Right Out: 12.631+/-0.332 χ^2/NDF : 218.6/19

Left In: -14.393+/-0.307 χ^2/NDF : 50.6/1

-3.506+/-0.204 χ^2/NDF : 2860.9/19

-1.958+/-0.225 χ^2/NDF : 3844.3/21

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055+/-0.211 χ^2/NDF : 1211.8/16

Left Out: 20.461+/-0.225 χ^2/NDF : 51.6/2

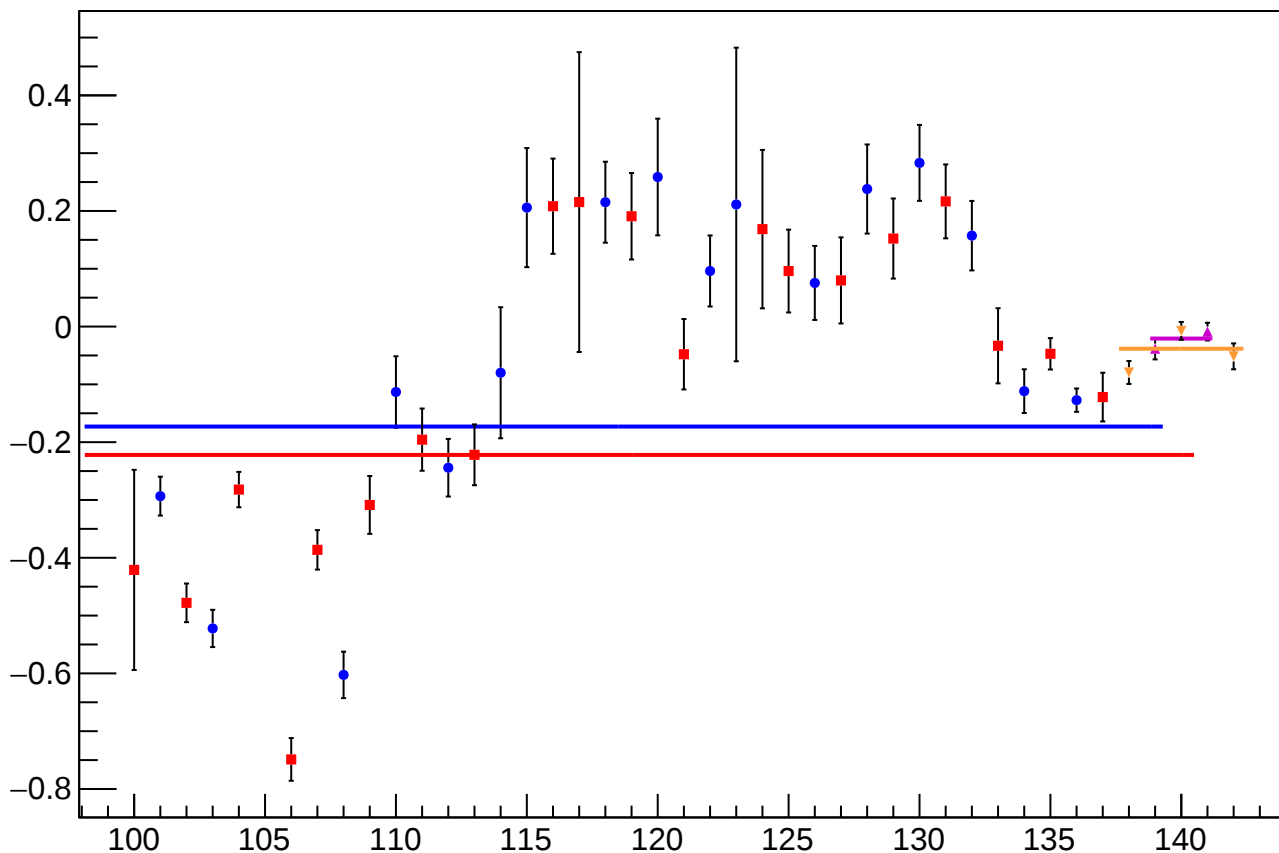
Right Out: 20.696+/-0.212 χ^2/NDF : 724.1/19

Left In: 22.579+/-0.286 χ^2/NDF : 44.4/1

20.777+/-0.154 χ^2/NDF : 1267.1/19

21.365+/-0.171 χ^2/NDF : 796.4/21

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.038 ± 0.011 χ^2/NDF : 8.6/2

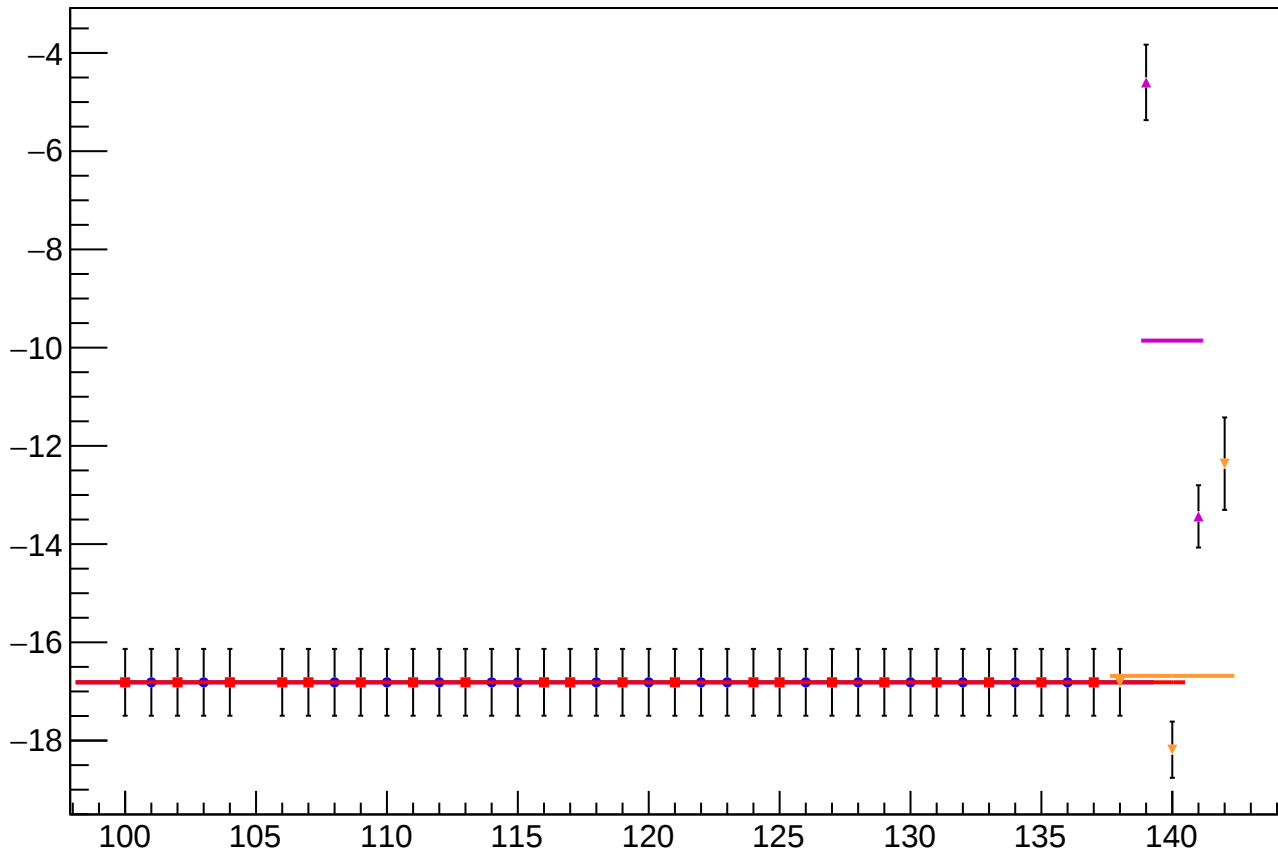
Right Out: -0.222 ± 0.011 χ^2/NDF : 538.0/19

Left In: -0.021 ± 0.012 χ^2/NDF : 1.5/1

-0.102 ± 0.008 χ^2/NDF : 546.1/19

-0.129 ± 0.008 χ^2/NDF : 695.6/21

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -16.814 $\pm$ 0.165 χ^2 /NDF: 0.0/16

Left Out: -16.682 $\pm$ 0.397 χ^2 /NDF:28.0/2

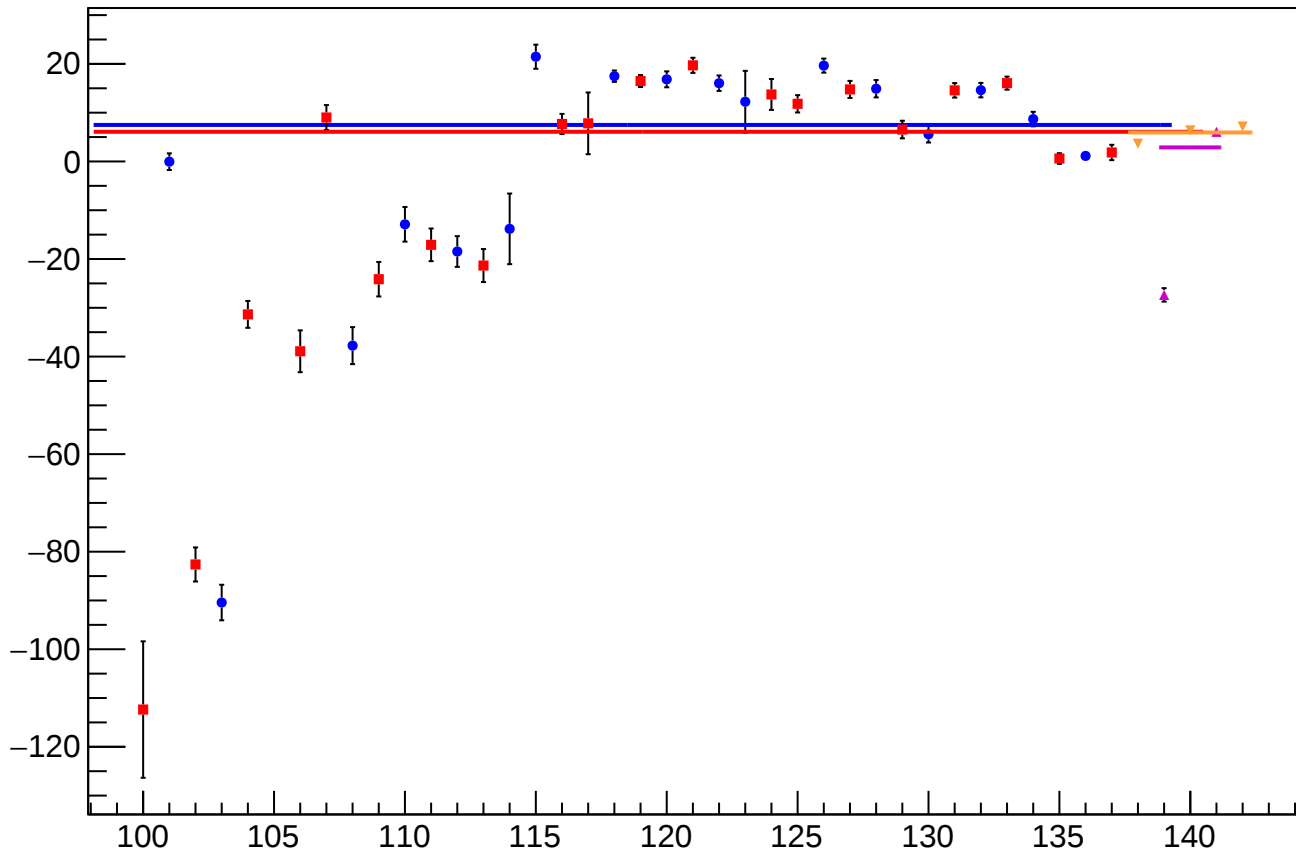
Right Out: -16.814 $\pm$ 0.152 χ^2 /NDF: 0.0/19

Left In: -9.857 $\pm$ 0.489 χ^2 /NDF:78.7/1

-16.795 $\pm$ 0.152 χ^2 /NDF: 28.1/19

-16.200 $\pm$ 0.145 χ^2 /NDF: 263.3/21

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 5.943 ± 0.318 χ^2/NDF : 17.5/2

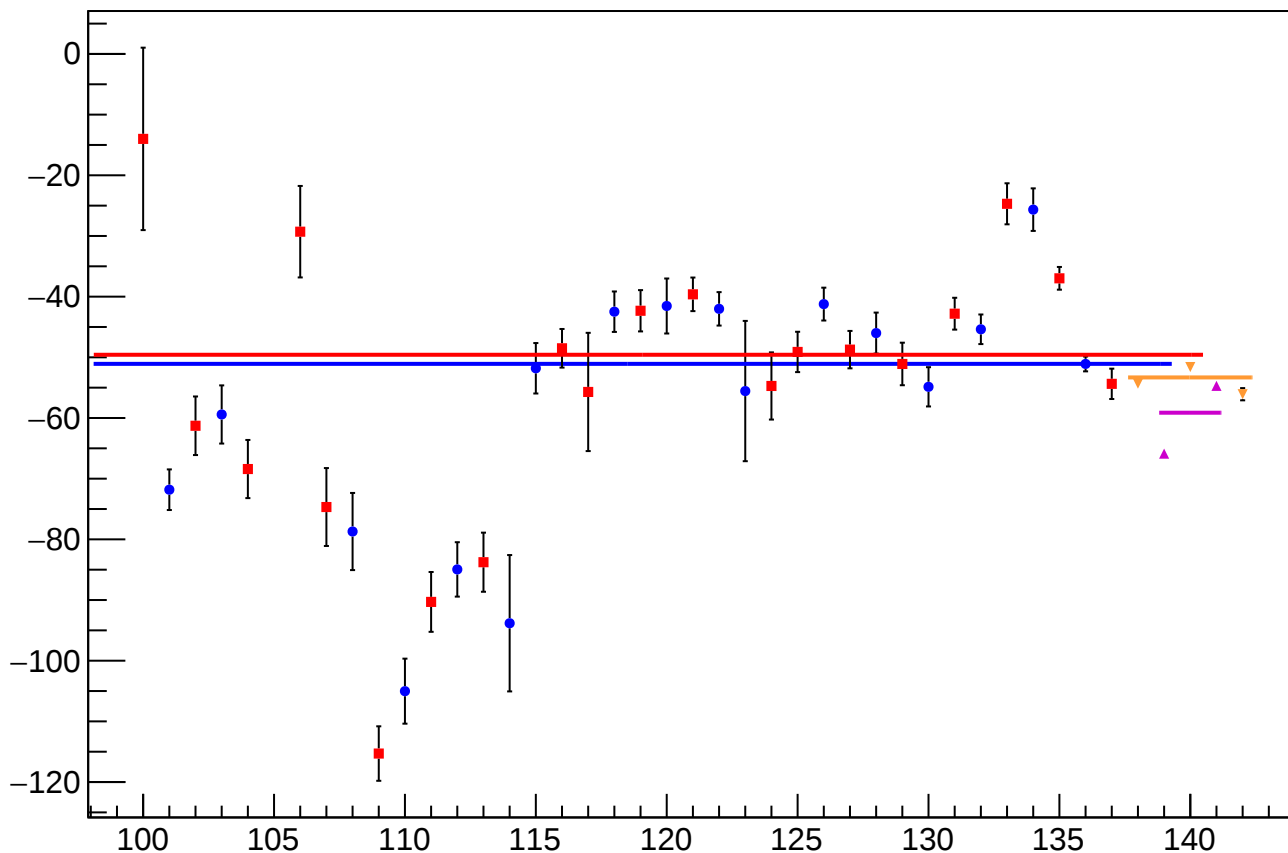
Right Out: 6.086 ± 0.433 χ^2/NDF : 1512.2/19

Left In: 2.879 ± 0.427 χ^2/NDF : 529.5/1

6.530 ± 0.251 χ^2/NDF : 1367.0/19

4.459 ± 0.304 χ^2/NDF : 2069.5/21

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -53.314 ± 0.426 χ^2/NDF : 17.4/2

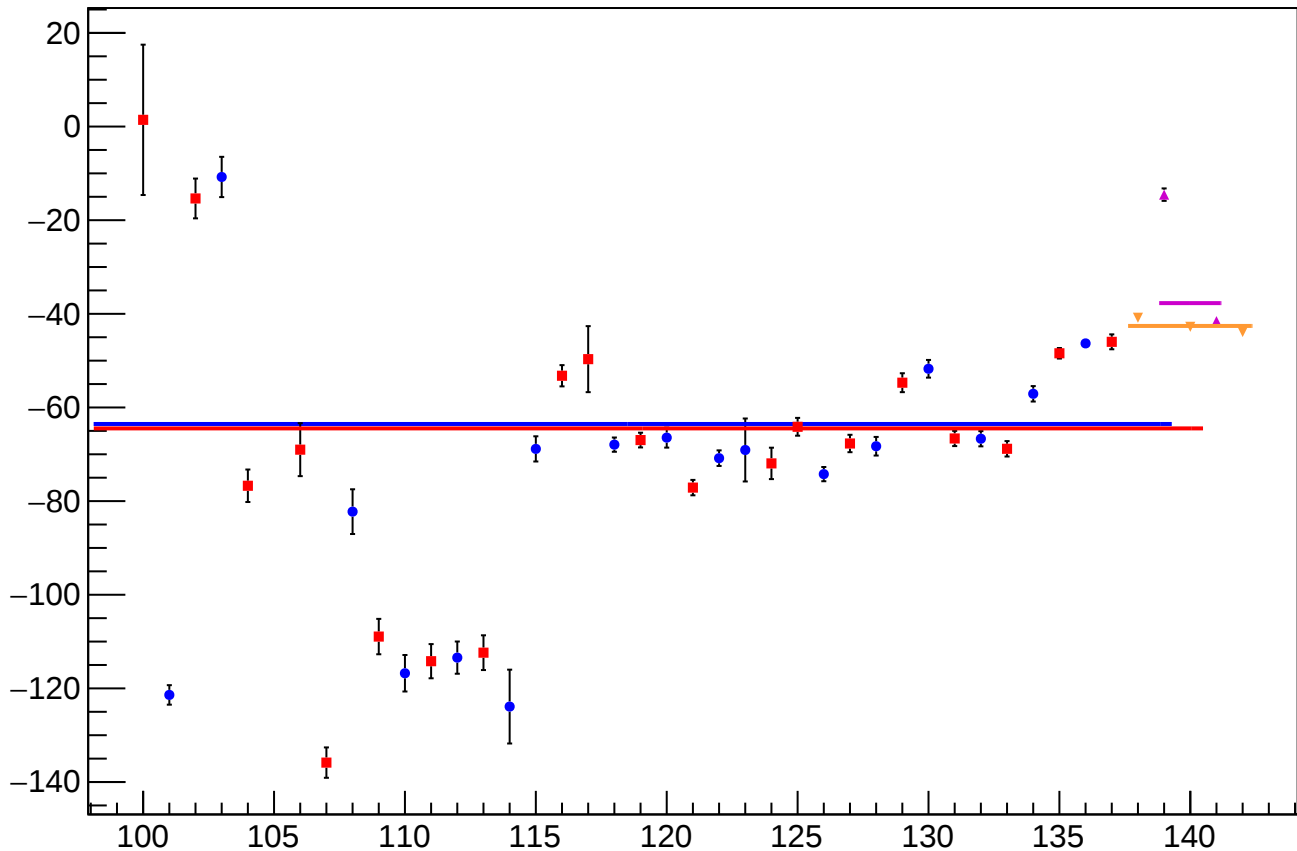
Right Out: -49.579 ± 0.796 χ^2/NDF : 510.0/19

Left In: -59.130 ± 0.524 χ^2/NDF : 108.8/1

-52.759 ± 0.369 χ^2/NDF : 354.4/19

-56.243 ± 0.437 χ^2/NDF : 719.3/21

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -42.586 ± 0.382 χ^2/NDF : 8.8/2

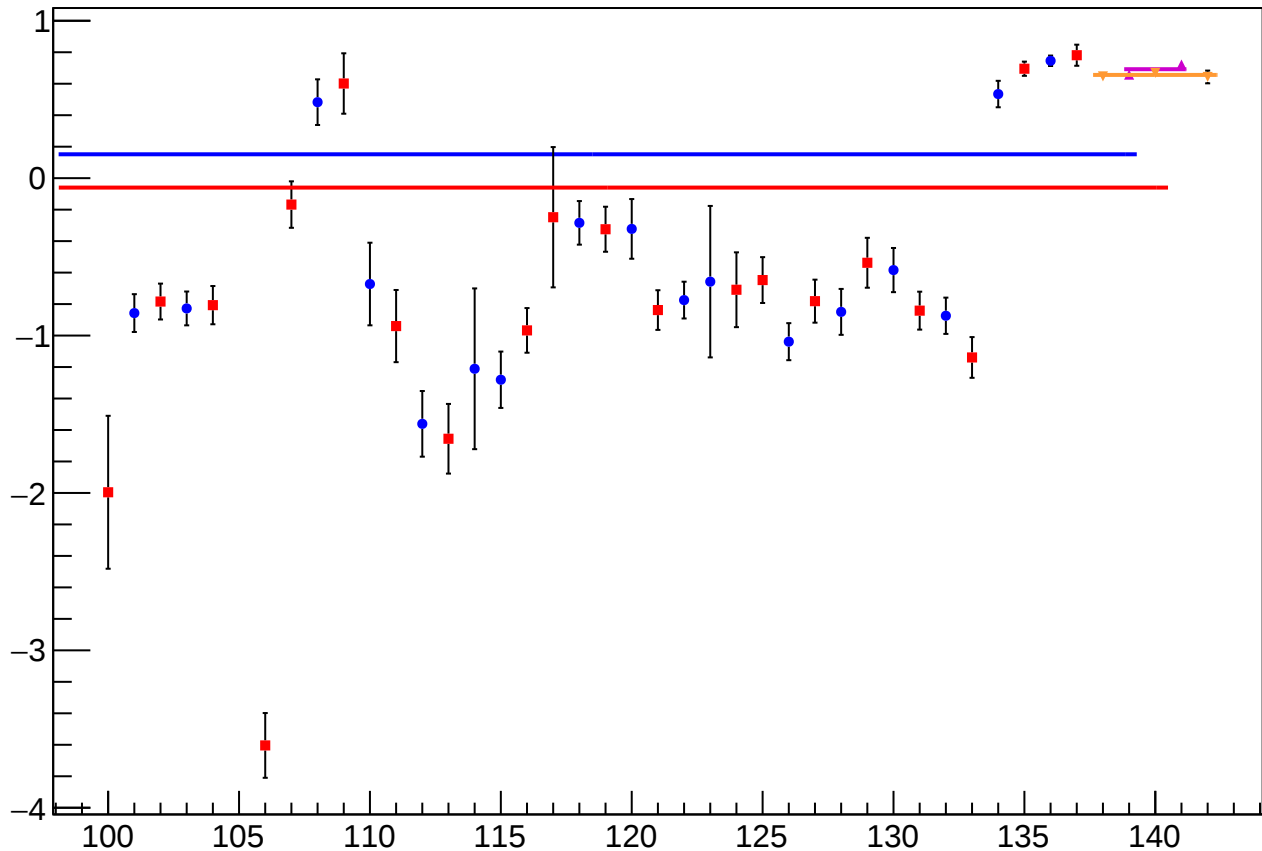
Right Out: -64.470 ± 0.482 χ^2/NDF : 1607.5/19

Left In: -37.712 ± 0.502 χ^2/NDF : 353.9/1

-51.379 ± 0.291 χ^2/NDF : 3283.1/19

-51.639 ± 0.348 χ^2/NDF : 3440.4/21

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

0.478 $\pm$ 0.014 χ^2 /NDF: 1272.9/19

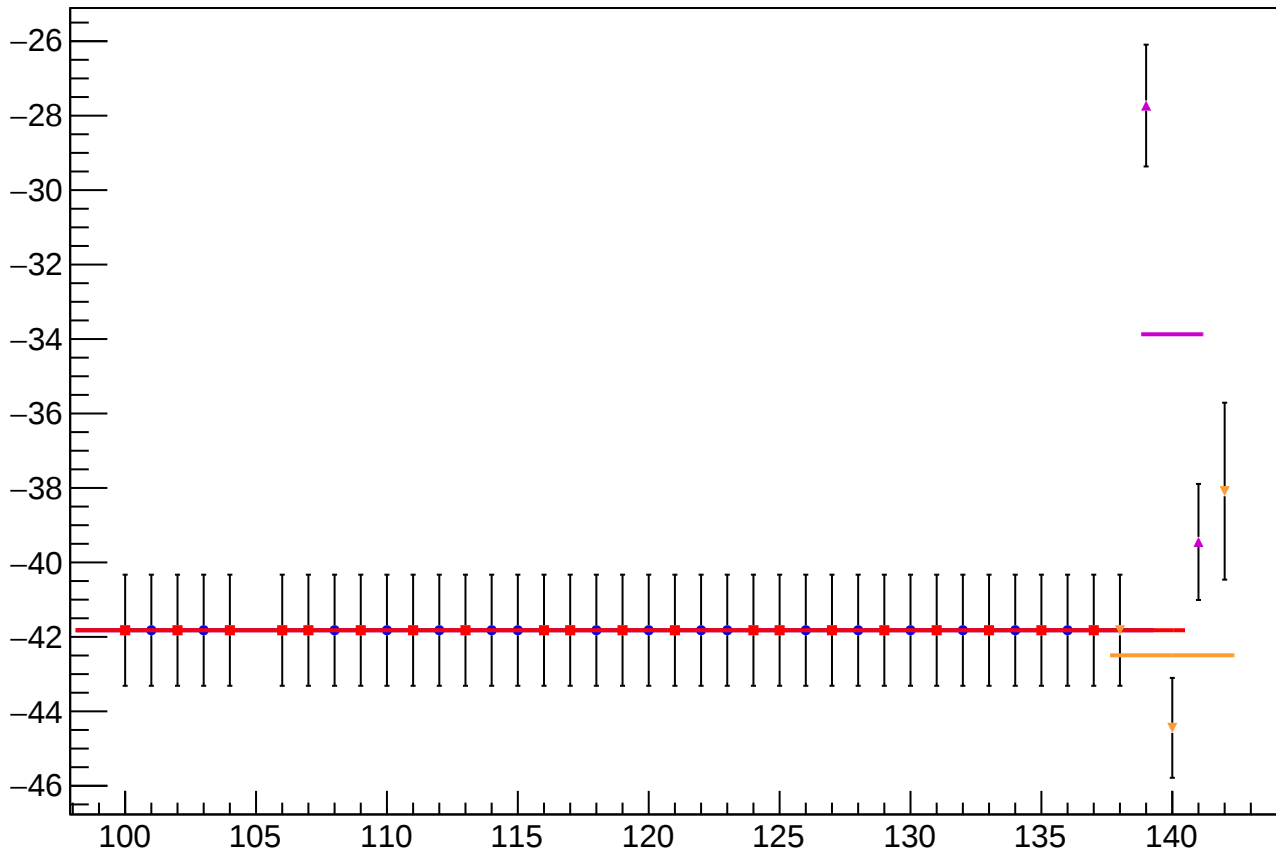
Left Out: 0.656 $\pm$ 0.018 χ^2 /NDF: 0.4/2

Right Out: -0.060 $\pm$ 0.026 χ^2 /NDF: 1162.1/19

0.416 $\pm$ 0.016 χ^2 /NDF: 1684.7/21

Left In: 0.692 $\pm$ 0.020 χ^2 /NDF: 2.6/1

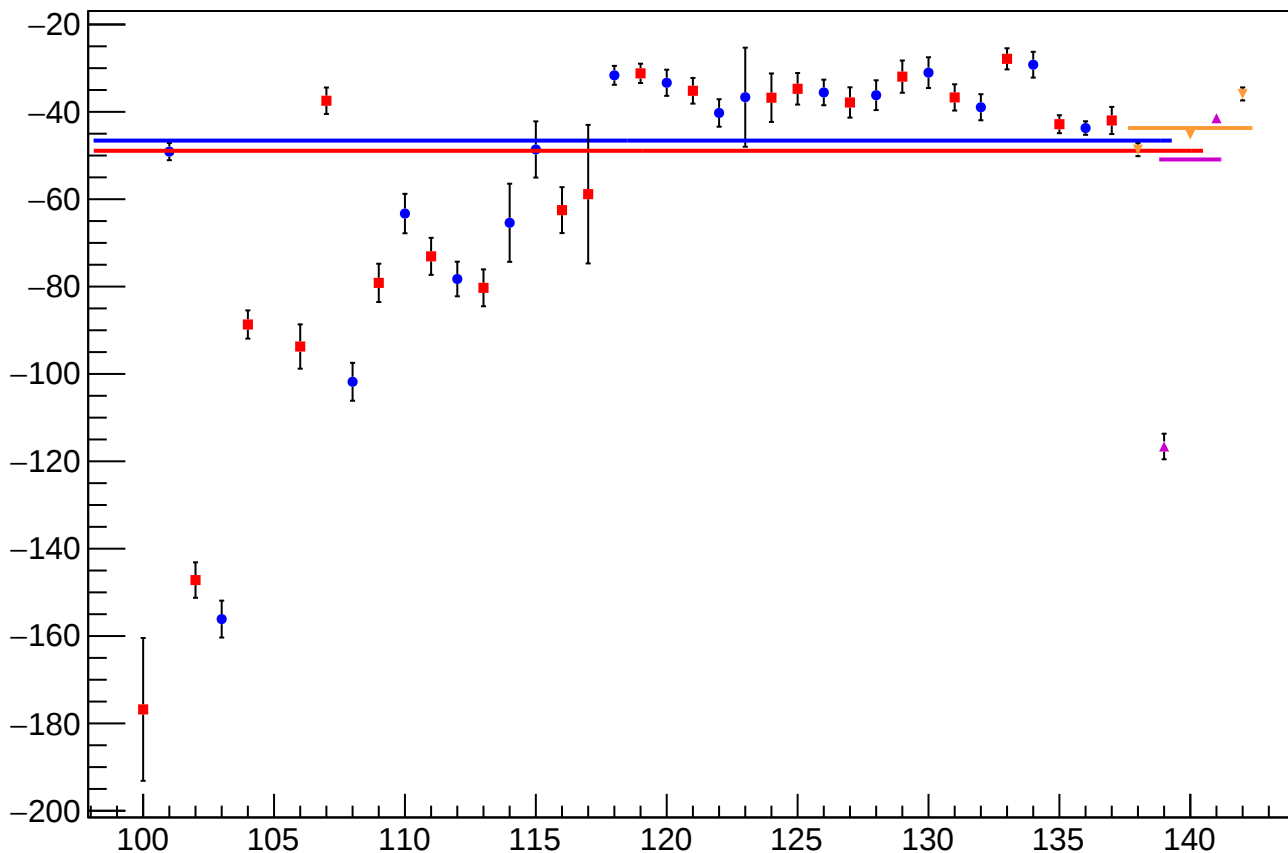
reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



-41.912 $\pm$ 0.337 χ^2 /NDF: 6.2/19

-41.182 $\pm$ 0.320 χ^2 /NDF: 72.5/21

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 $\pm$ 0.730 χ^2 /NDF: 1076.4/16

Left Out: -43.702 $\pm$ 0.761 χ^2 /NDF:40.0/2

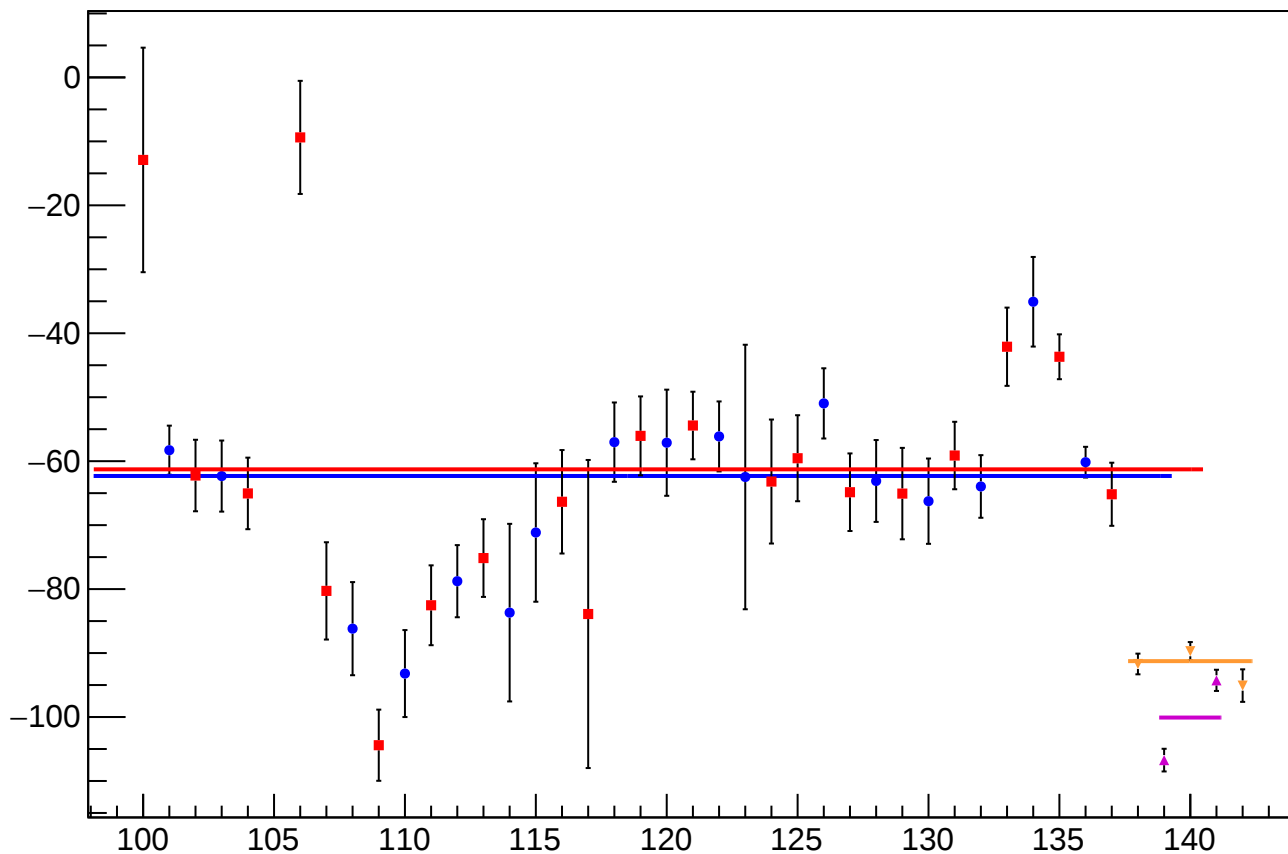
Right Out: -48.911 $\pm$ 0.763 χ^2 /NDF: 1277.9/19

Left In: -50.901 $\pm$ 1.038 χ^2 /NDF:574.9/1

-45.201 $\pm$ 0.527 χ^2 /NDF: 1123.8/19

-49.608 $\pm$ 0.615 χ^2 /NDF: 1855.2/21

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -91.263 ± 0.987 χ^2/NDF : 3.5/2

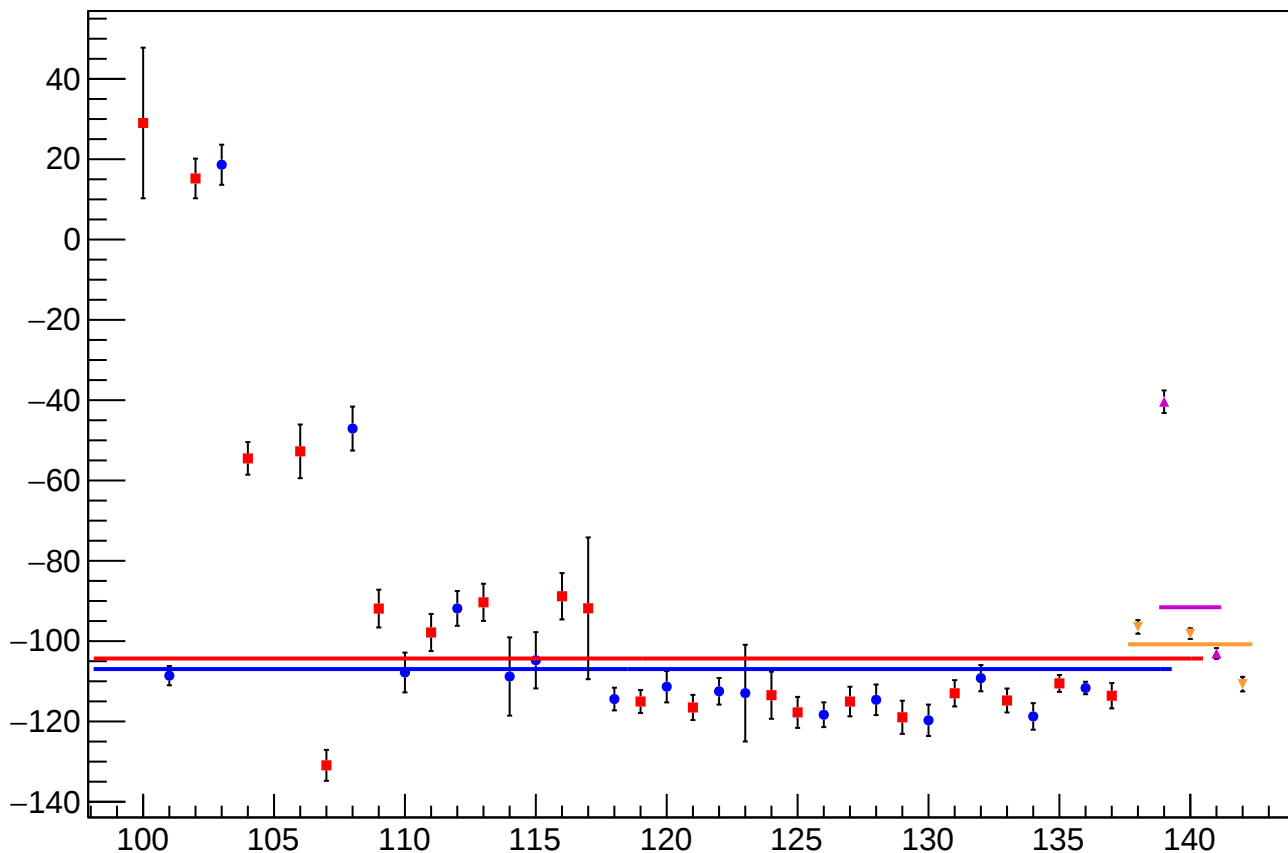
Right Out: -61.277 ± 1.379 χ^2/NDF : 165.9/19

Left In: -100.084 ± 1.211 χ^2/NDF : 26.4/1

-80.838 ± 0.789 χ^2/NDF : 380.4/19

-83.189 ± 0.910 χ^2/NDF : 639.7/21

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -100.784 ± 0.907 $\chi^2/\text{NDF}: 40.2/2$

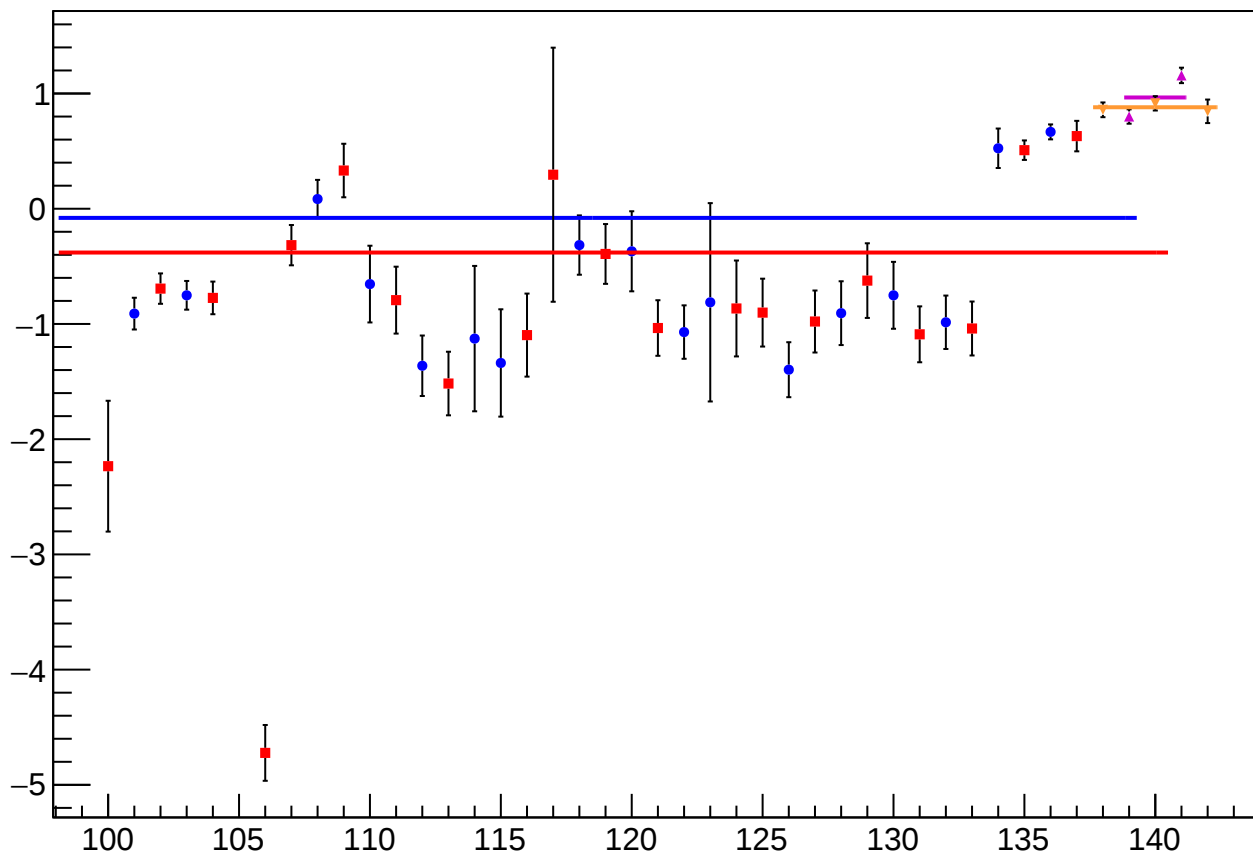
Right Out: -104.326 ± 0.860 $\chi^2/\text{NDF}: 1021.5/19$

Left In: -91.566 ± 1.208 $\chi^2/\text{NDF}: 403.5/1$

-104.191 ± 0.607 $\chi^2/\text{NDF}: 893.0/19$

-100.033 ± 0.701 $\chi^2/\text{NDF}: 1499.0/21$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079+/-0.042 χ^2 /NDF: 328.5/16

Left Out: 0.881+/-0.041 χ^2 /NDF: 0.5/2

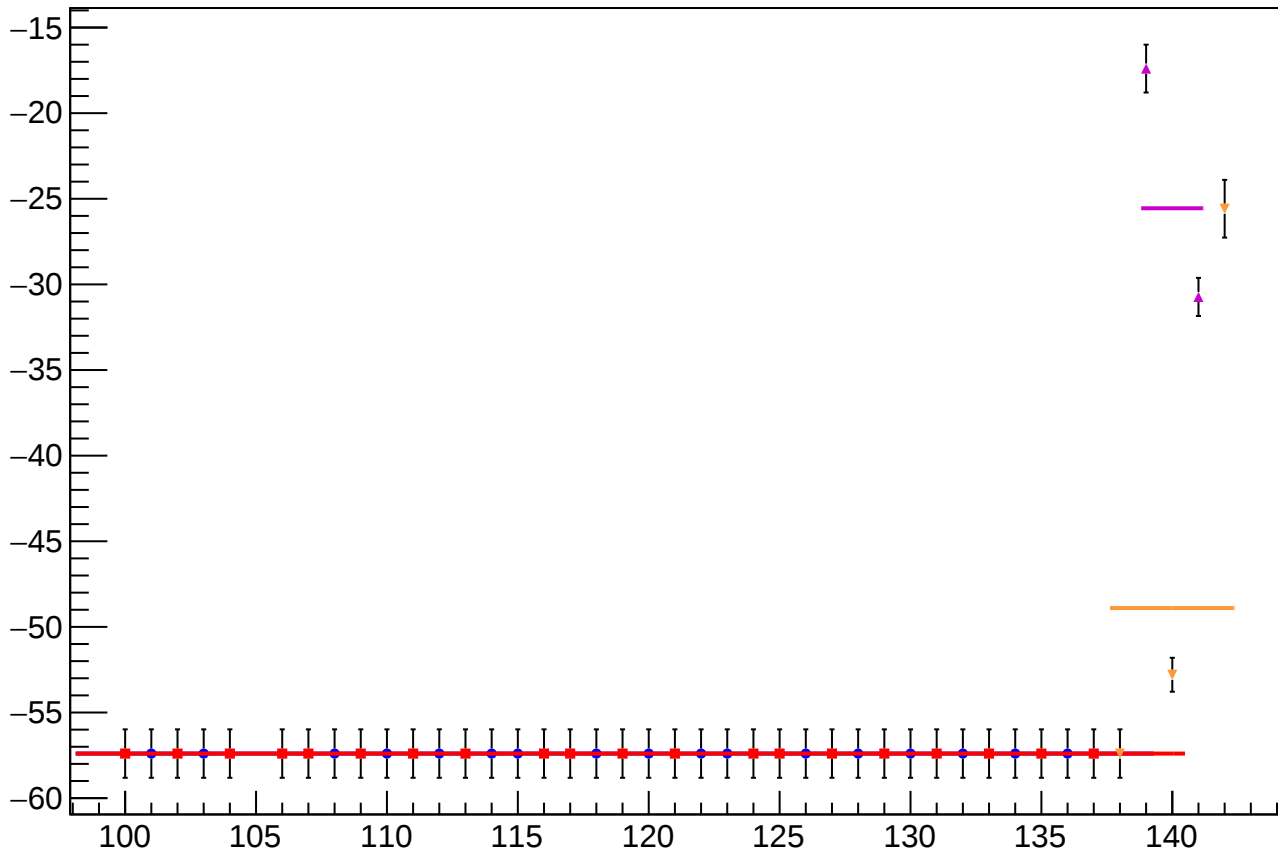
Right Out: -0.380+/-0.044 χ^2 /NDF: 580.9/19

Left In: 0.966+/-0.046 χ^2 /NDF: 15.2/1

0.417+/-0.029 χ^2 /NDF: 595.8/19

0.269+/-0.032 χ^2 /NDF: 1047.6/21

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -57.398+/-0.343 χ^2/NDF : 0.0/16

Left Out: -48.901+/-0.731 χ^2/NDF :243.2/2

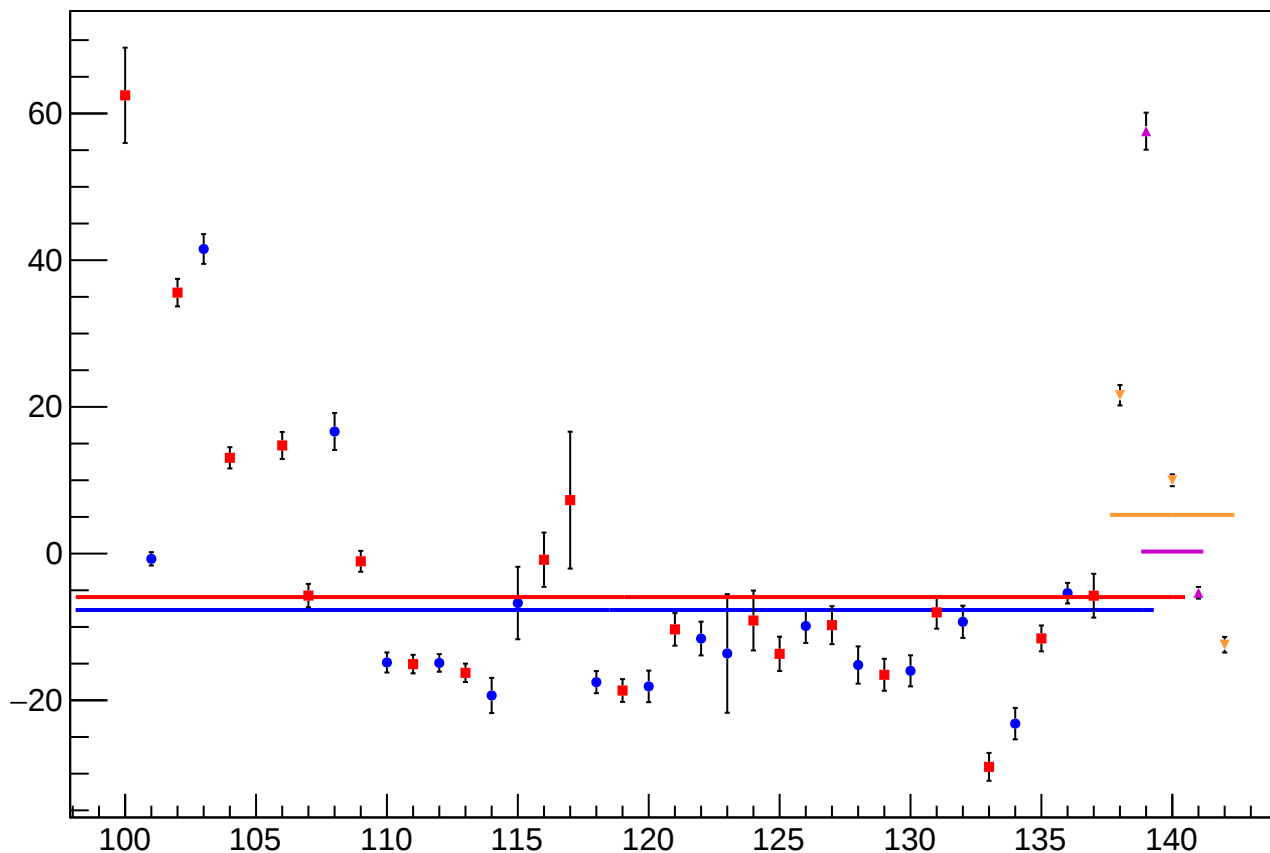
Right Out: -57.398+/-0.316 χ^2/NDF : 0.0/19

Left In: -25.554+/-0.870 χ^2/NDF :55.7/1

-55.863+/-0.311 χ^2/NDF : 353.9/19

-53.682+/-0.297 χ^2/NDF : 1238.1/21

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686+/-0.430 χ^2/NDF : 975.9/16

Left Out: 5.275+/-0.584 χ^2/NDF : 447.6/2

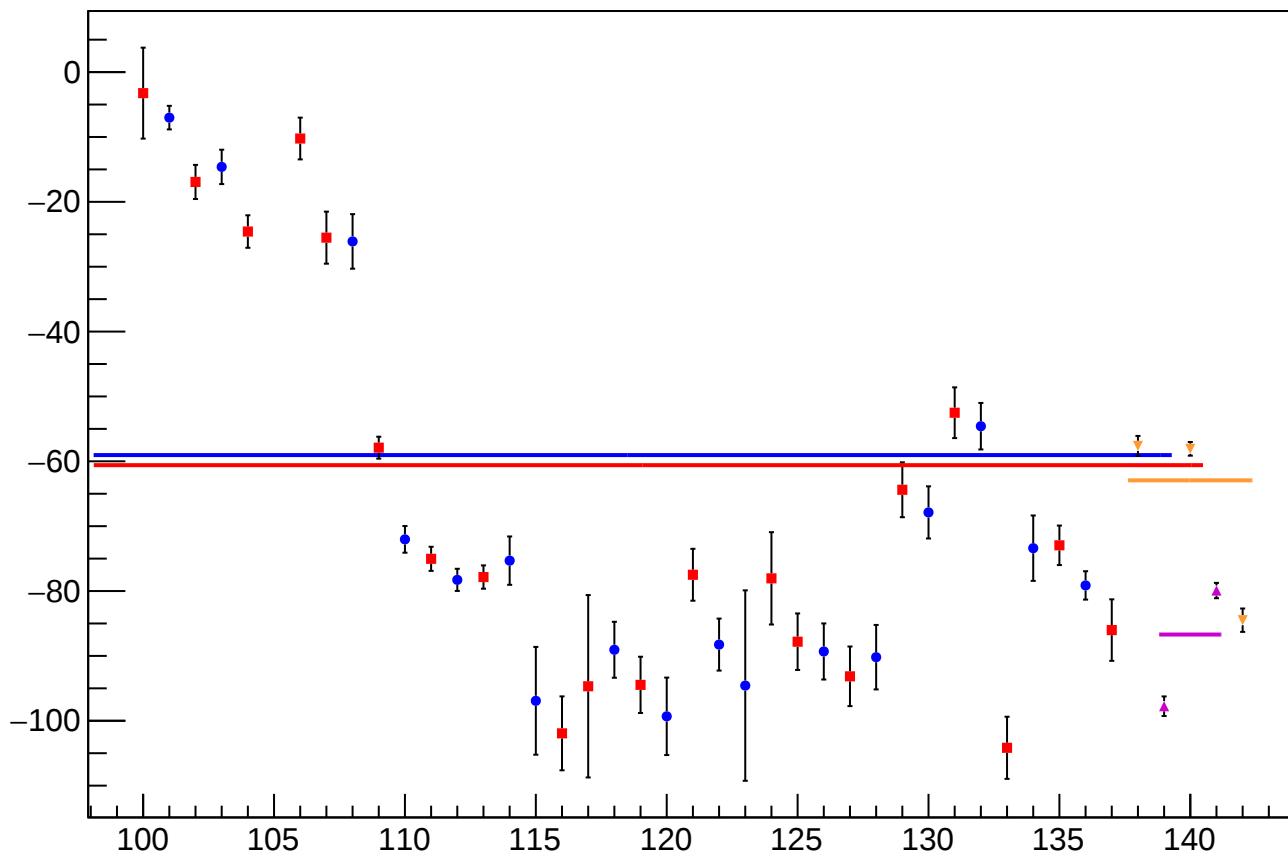
Right Out: -5.925+/-0.428 χ^2/NDF : 1300.1/19

Left In: 0.278+/-0.755 χ^2/NDF : 564.9/1

-3.133+/-0.346 χ^2/NDF : 1742.8/19

-4.414+/-0.373 χ^2/NDF : 1916.0/21

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 $\pm$ 0.746 χ^2/NDF : 1709.5/16

Left Out: -62.936 $\pm$ 0.783 χ^2/NDF : 176.2/2

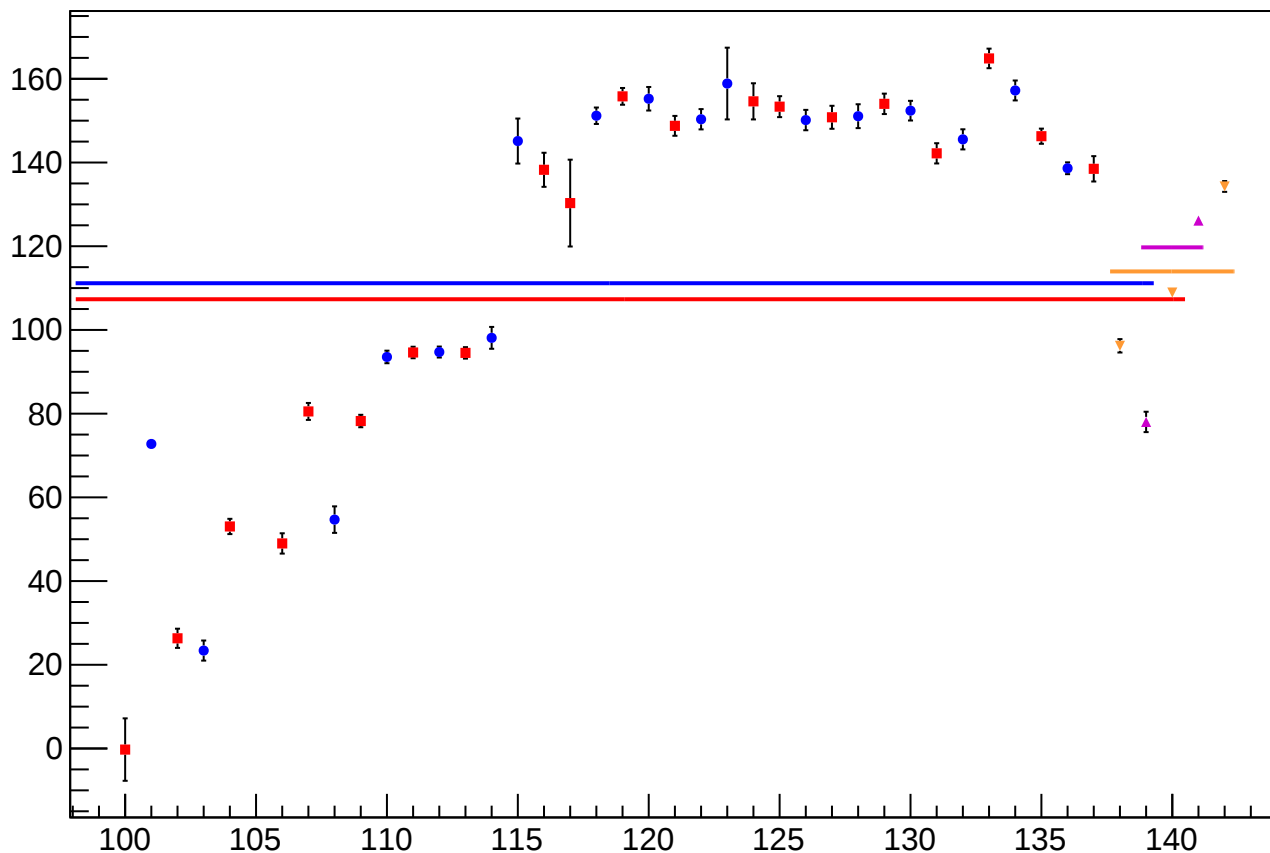
Right Out: -60.593 $\pm$ 0.704 χ^2/NDF : 1390.7/19

Left In: -86.704 $\pm$ 0.932 χ^2/NDF : 86.3/1

-60.893 $\pm$ 0.540 χ^2/NDF : 1898.7/19

-70.075 $\pm$ 0.561 χ^2/NDF : 1977.3/21

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 113.979 $\pm$ 0.700 χ^2 /NDF: 397.6/2

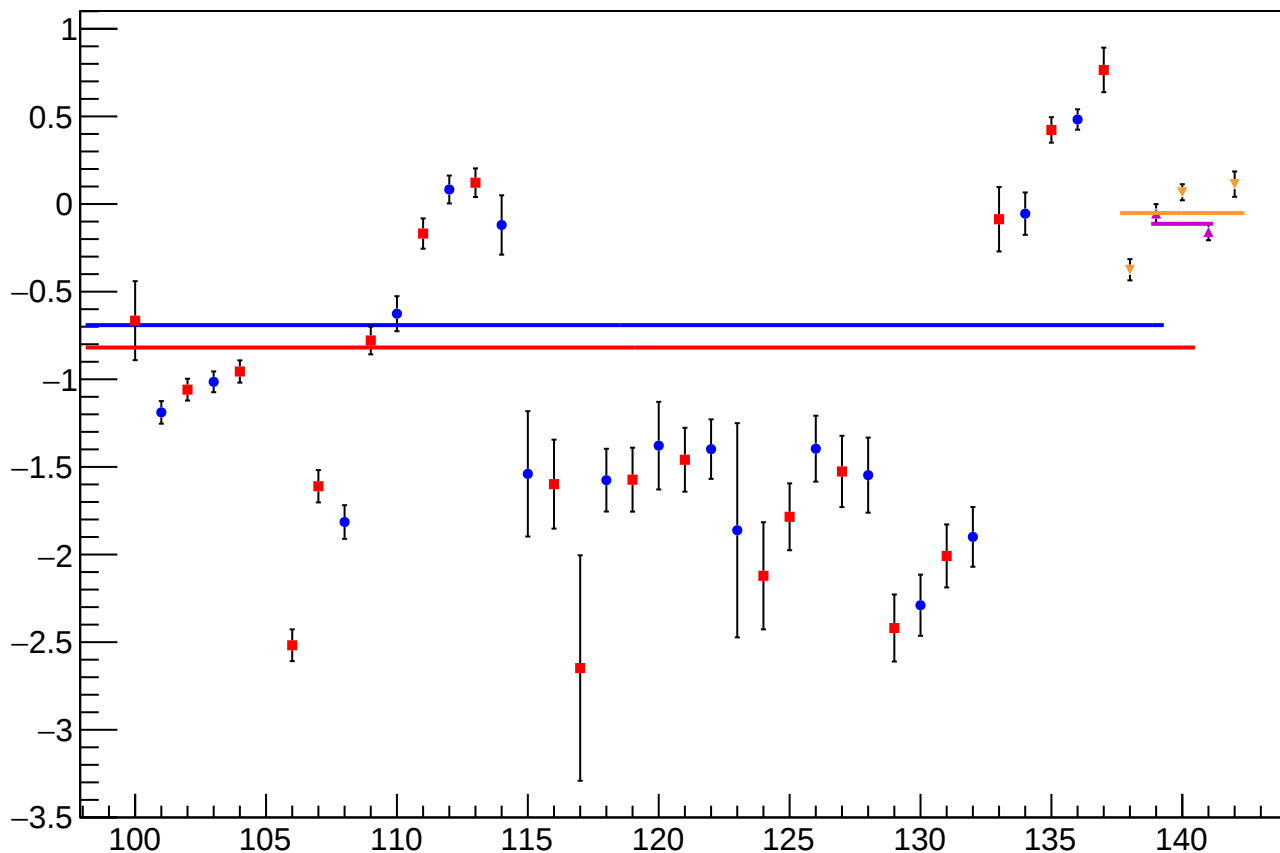
Right Out: 107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

Left In: 119.729 $\pm$ 0.887 χ^2 /NDF: 338.8/1

112.084 $\pm$ 0.401 χ^2 /NDF: 6286.0/19

110.205 $\pm$ 0.427 χ^2 /NDF: 7548.7/21

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.052 ± 0.033 χ^2/NDF : 40.4/2

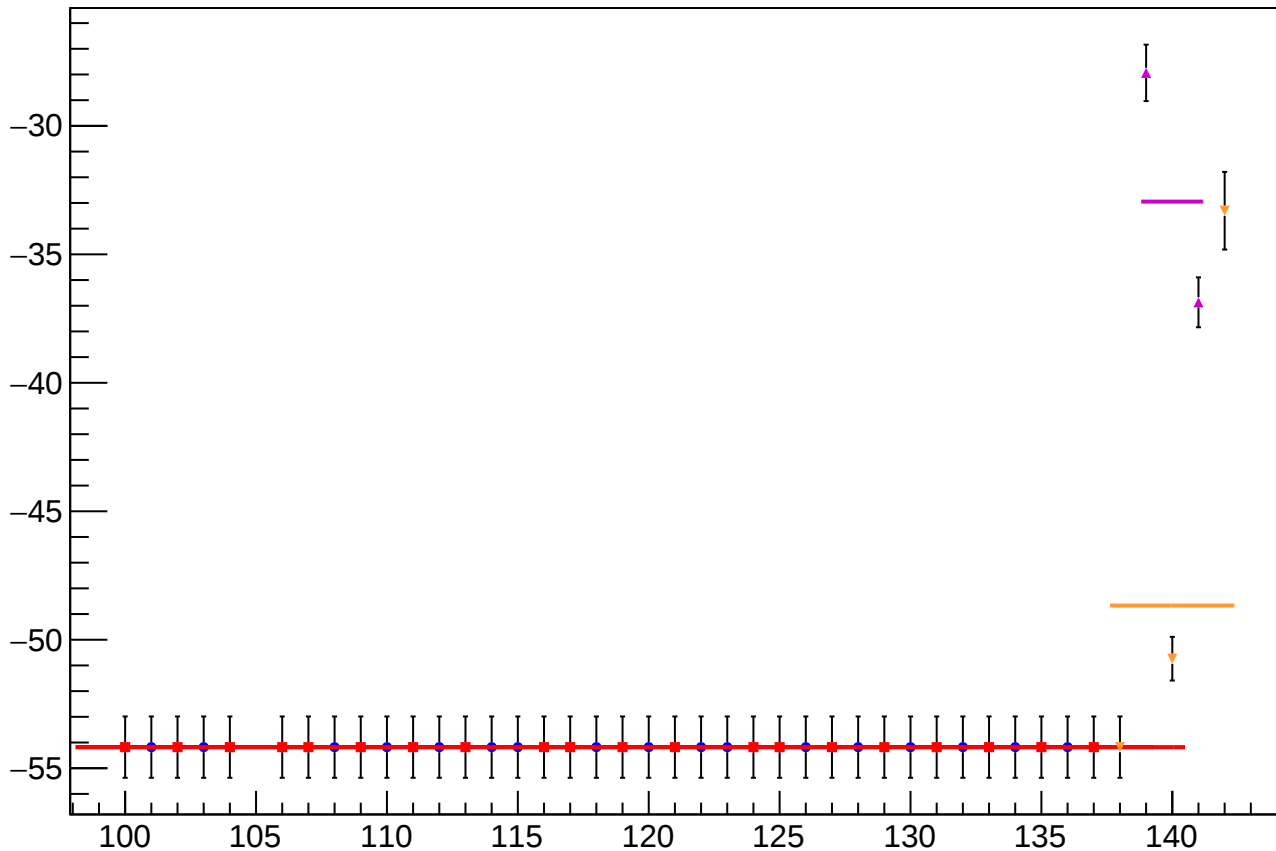
Right Out: -0.819 ± 0.024 χ^2/NDF : 1312.5/19

Left In: -0.113 ± 0.036 χ^2/NDF : 2.1/1

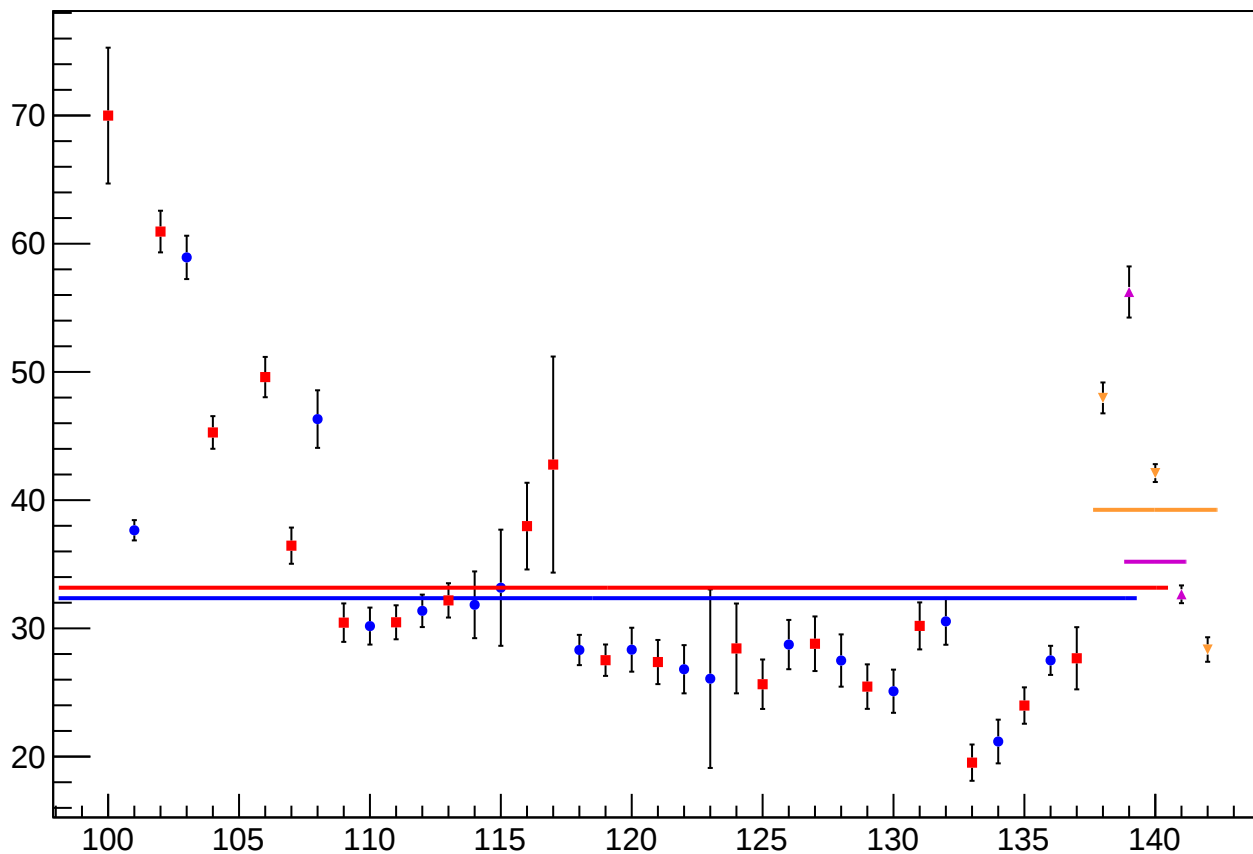
-0.445 ± 0.020 χ^2/NDF : 1267.7/19

-0.594 ± 0.020 χ^2/NDF : 1581.7/21

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 39.245+/-0.510 χ^2/NDF :199.1/2

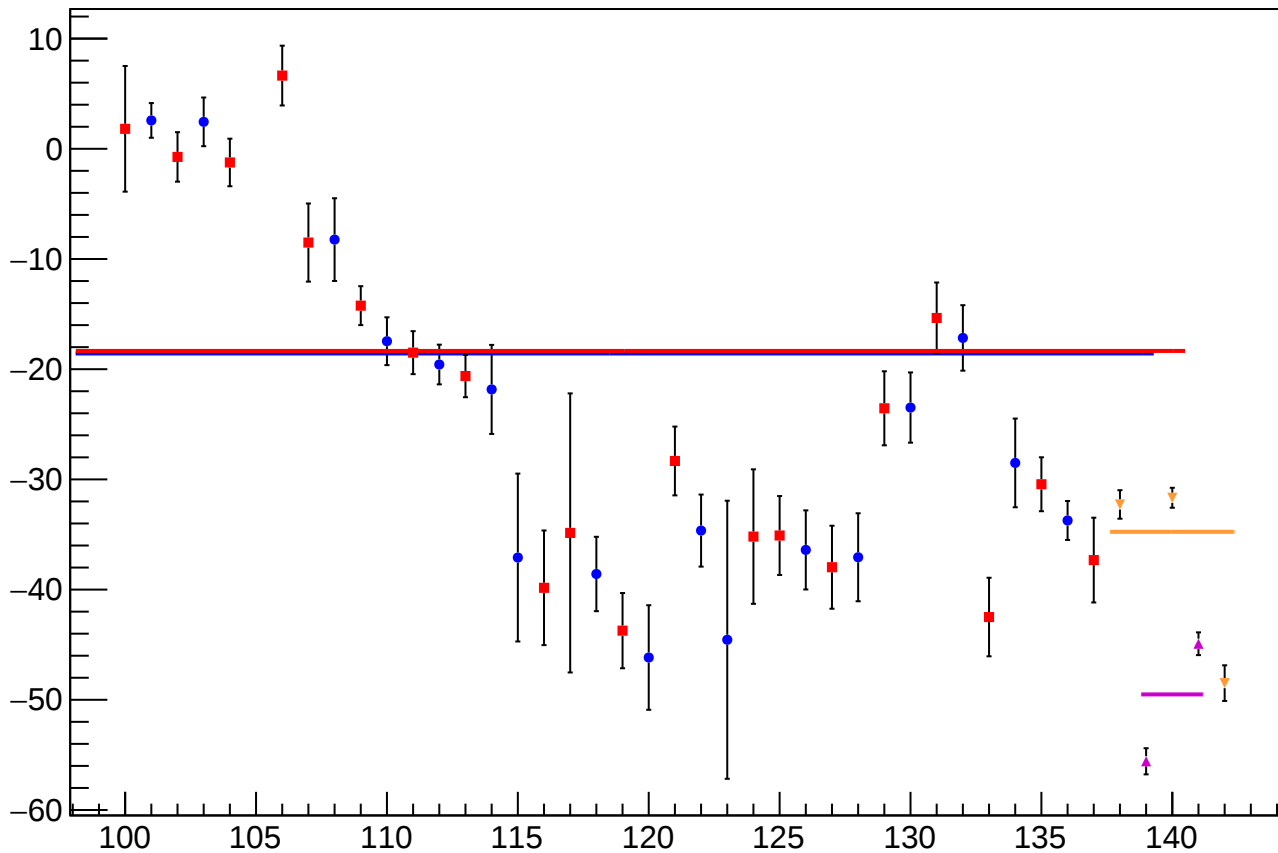
Right Out: 33.172+/-0.378 χ^2/NDF : 773.3/19

Left In: 35.198+/-0.654 χ^2/NDF :124.8/1

34.774+/-0.302 χ^2/NDF : 767.9/19

33.679+/-0.328 χ^2/NDF : 905.2/21

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572±0.667 χ^2/NDF : 511.5/16

Left Out: -34.755±0.674 χ^2/NDF : 87.4/2

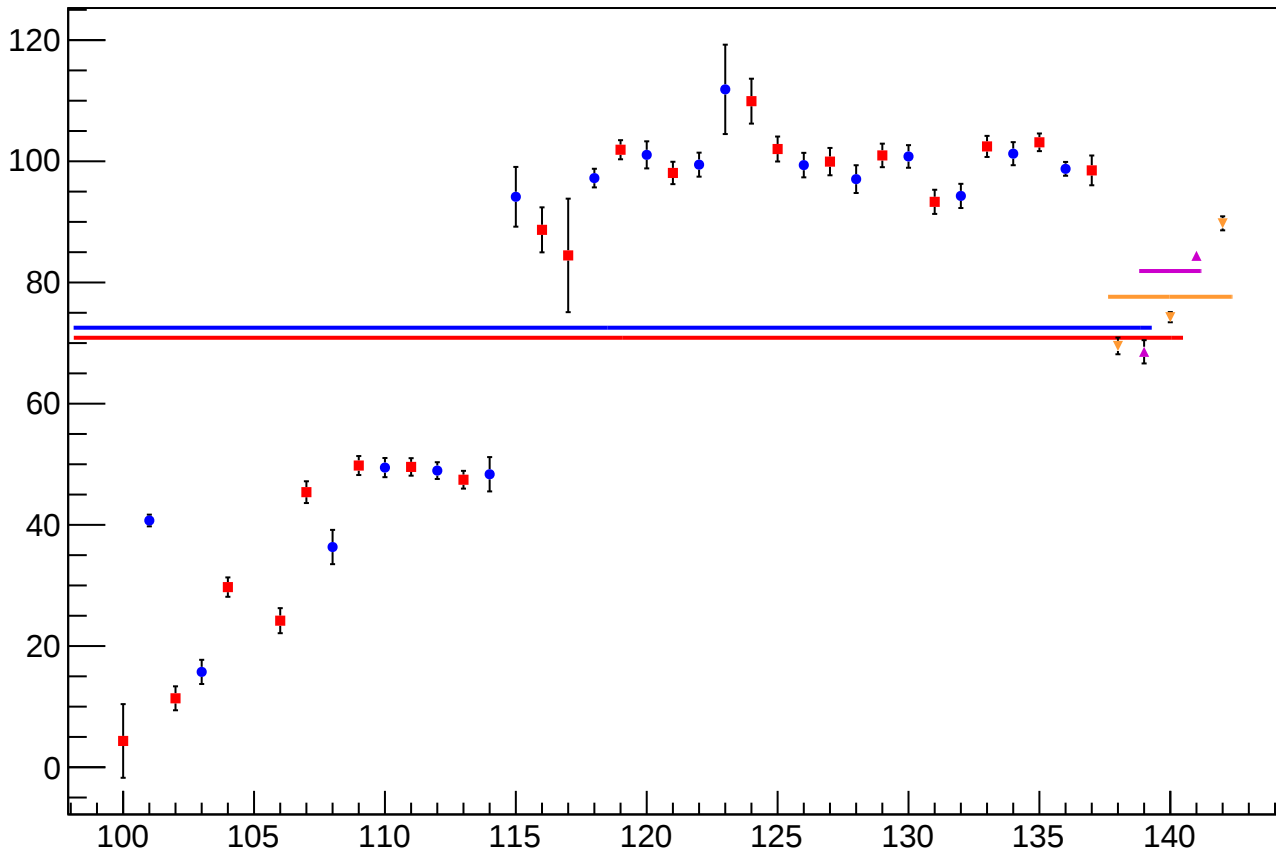
Right Out: -18.343±0.643 χ^2/NDF : 475.1/19

Left In: -49.511±0.779 χ^2/NDF : 46.0/1

-26.581±0.474 χ^2/NDF : 889.8/19

-30.974±0.496 χ^2/NDF : 1473.3/21

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537+/-0.428 χ^2 /NDF: 4684.1/16

Left Out: 77.644+/-0.610 χ^2 /NDF:160.5/2

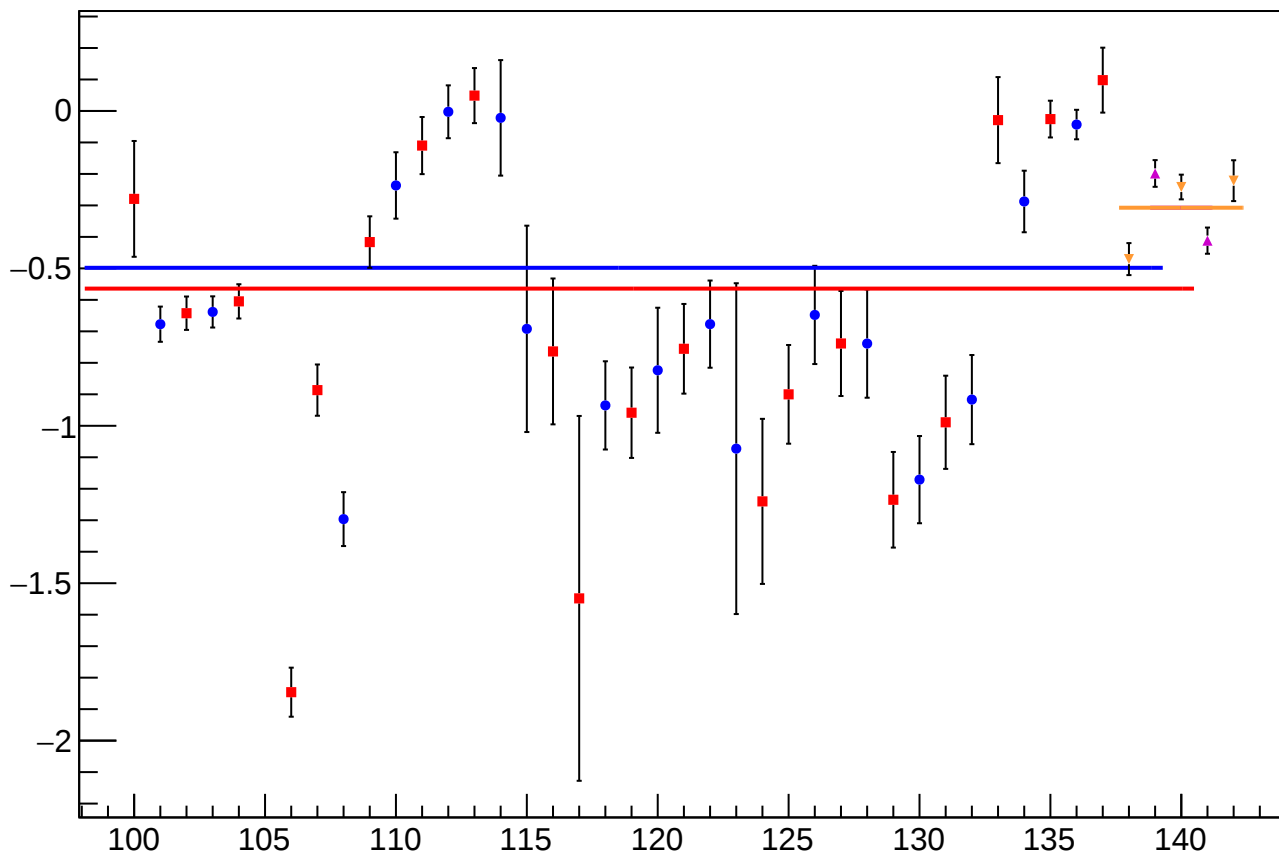
Right Out: 70.878+/-0.433 χ^2 /NDF: 5502.3/19

Left In: 81.893+/-0.764 χ^2 /NDF:57.2/1

74.224+/-0.351 χ^2 /NDF: 4891.5/19

73.553+/-0.377 χ^2 /NDF: 5716.9/21

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.307 ± 0.028 χ^2/NDF : 14.9/2

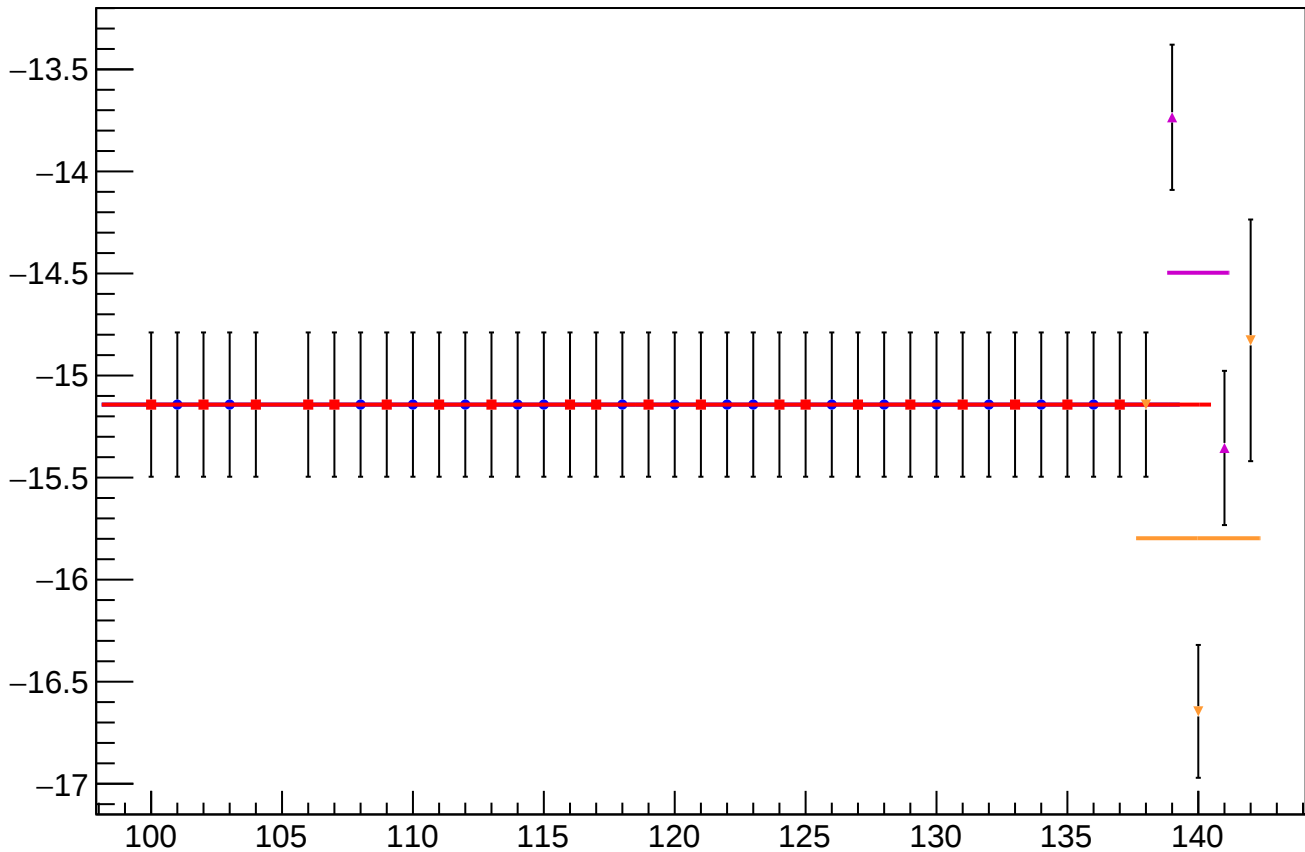
Right Out: -0.564 ± 0.021 χ^2/NDF : 563.6/19

Left In: -0.307 ± 0.030 χ^2/NDF : 12.9/1

-0.424 ± 0.017 χ^2/NDF : 346.0/19

-0.476 ± 0.017 χ^2/NDF : 625.8/21

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.142 $\pm$ 0.086 χ^2 /NDF: 0.0/16

Left Out: -15.797 $\pm$ 0.222 χ^2 /NDF:12.9/2

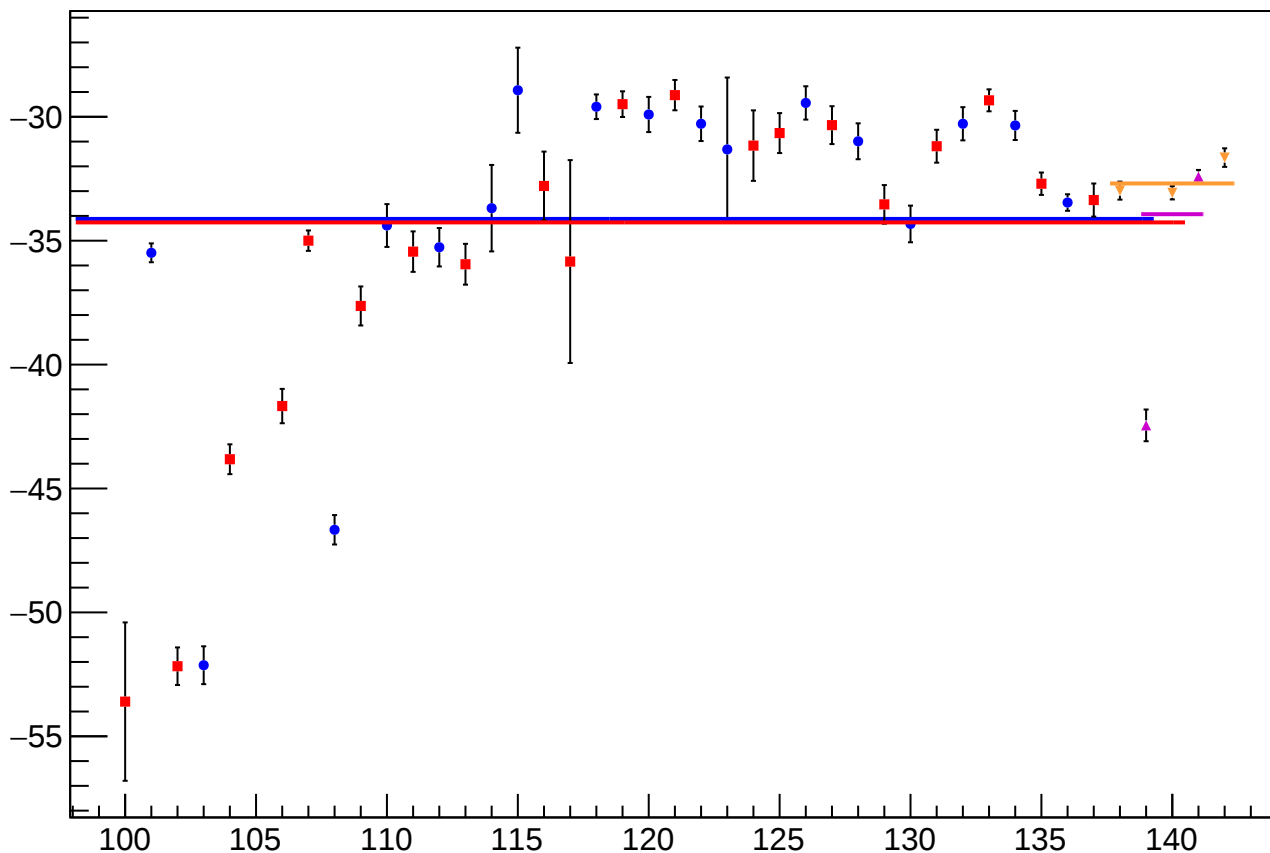
Right Out: -15.142 $\pm$ 0.079 χ^2 /NDF: 0.0/19

Left In: -14.496 $\pm$ 0.259 χ^2 /NDF:9.7/1

-15.227 $\pm$ 0.080 χ^2 /NDF: 20.5/19

-15.087 $\pm$ 0.076 χ^2 /NDF: 15.4/21

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -32.691 ± 0.187 χ^2/NDF : 10.4/2

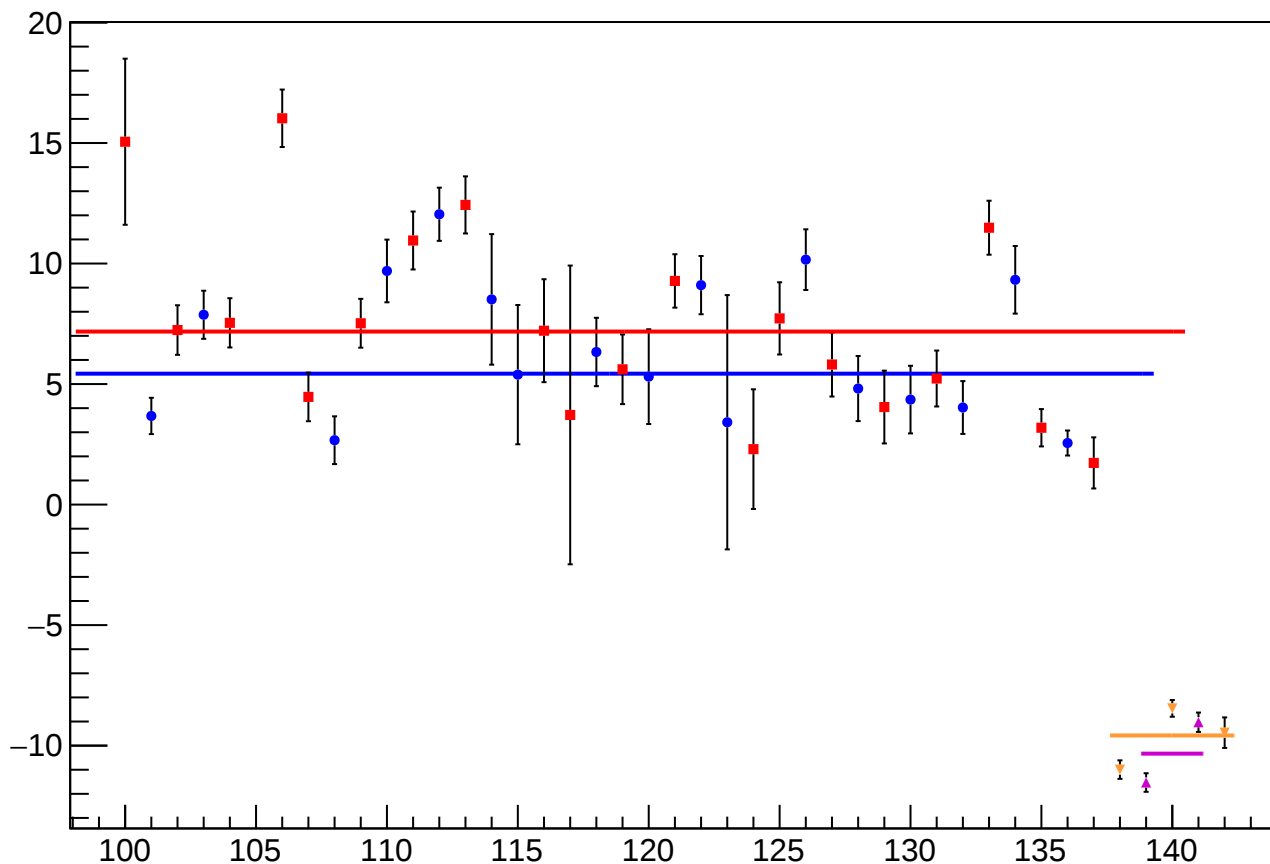
Right Out: -34.262 ± 0.151 χ^2/NDF : 1355.1/19

Left In: -33.930 ± 0.249 χ^2/NDF : 208.7/1

-33.553 ± 0.118 χ^2/NDF : 1368.1/19

-34.173 ± 0.129 χ^2/NDF : 1565.1/21

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -9.578 ± 0.238 χ^2/NDF : 24.2/2

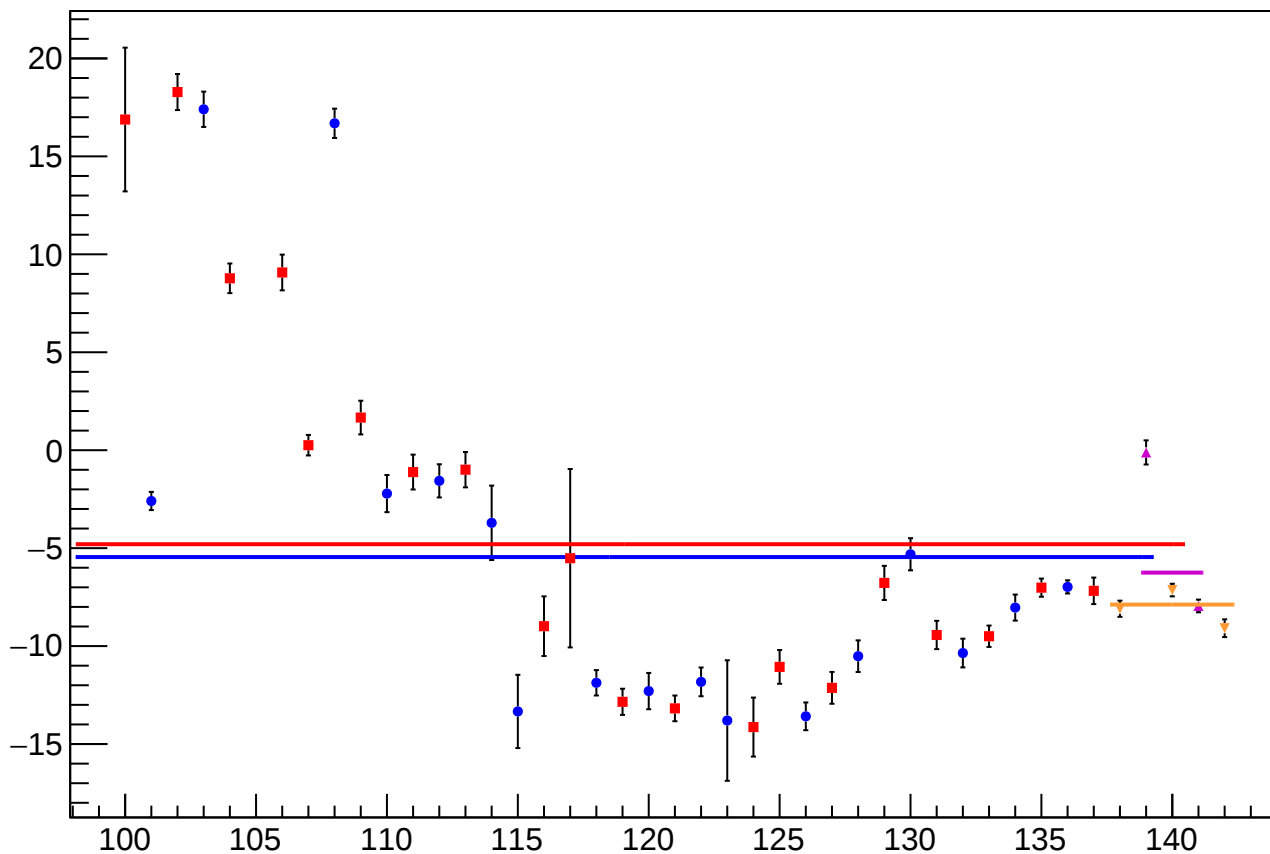
Right Out: 7.178 ± 0.274 χ^2/NDF : 182.4/19

Left In: -10.332 ± 0.278 χ^2/NDF : 20.2/1

-3.018 ± 0.179 χ^2/NDF : 1890.7/19

-1.454 ± 0.195 χ^2/NDF : 2213.3/21

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455+/-0.171 χ^2/NDF : 2096.5/16

Left Out: -7.881+/-0.222 χ^2/NDF : 12.6/2

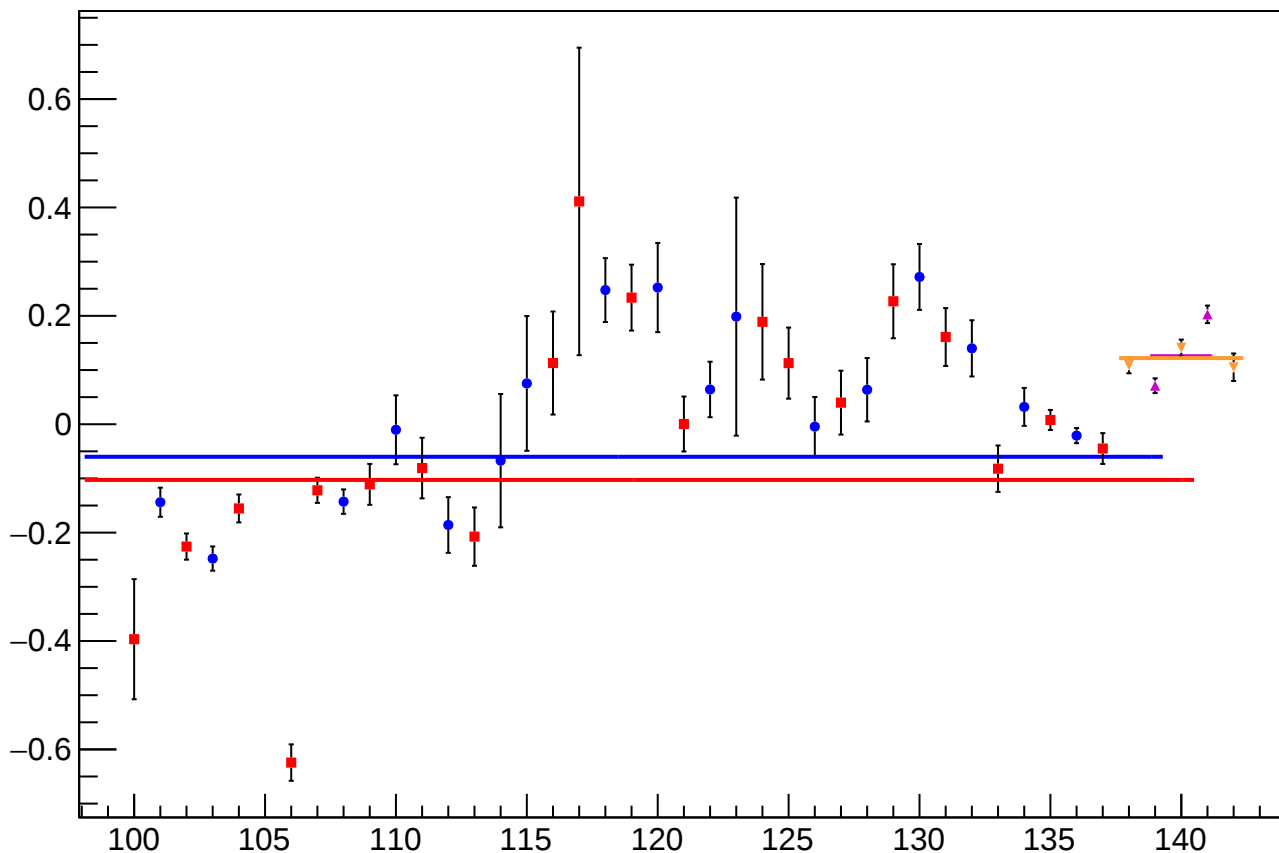
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -6.249+/-0.287 χ^2/NDF : 126.6/1

-6.358+/-0.135 χ^2/NDF : 2184.2/19

-5.185+/-0.148 χ^2/NDF : 2192.8/21

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.122 ± 0.010 χ^2/NDF : 2.8/2

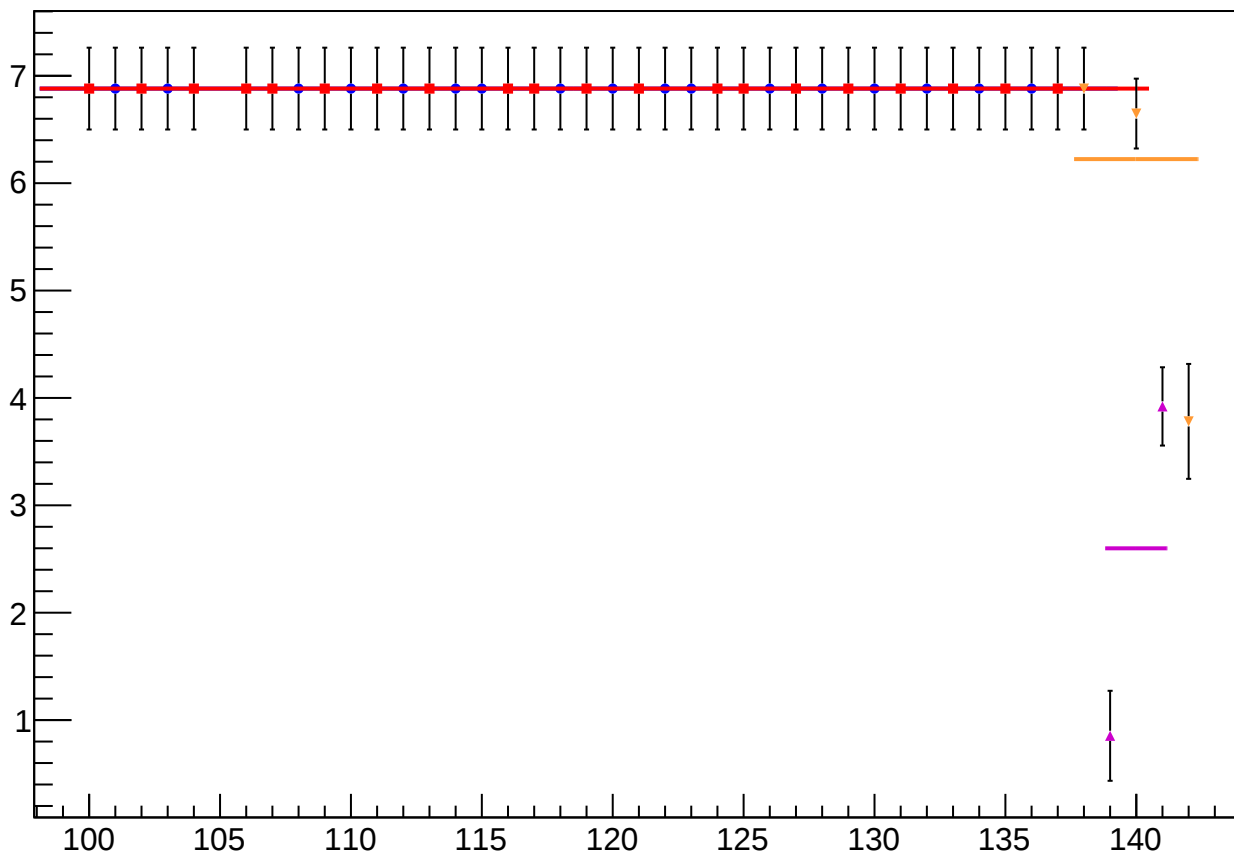
Right Out: -0.103 ± 0.008 χ^2/NDF : 437.6/19

Left In: 0.126 ± 0.010 χ^2/NDF : 38.8/1

0.017 ± 0.006 χ^2/NDF : 417.4/19

-0.012 ± 0.007 χ^2/NDF : 766.7/21

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 6.881 $\pm$ 0.092 χ^2 /NDF: 0.0/16

Left Out: 6.224 $\pm$ 0.225 χ^2 /NDF:25.5/2

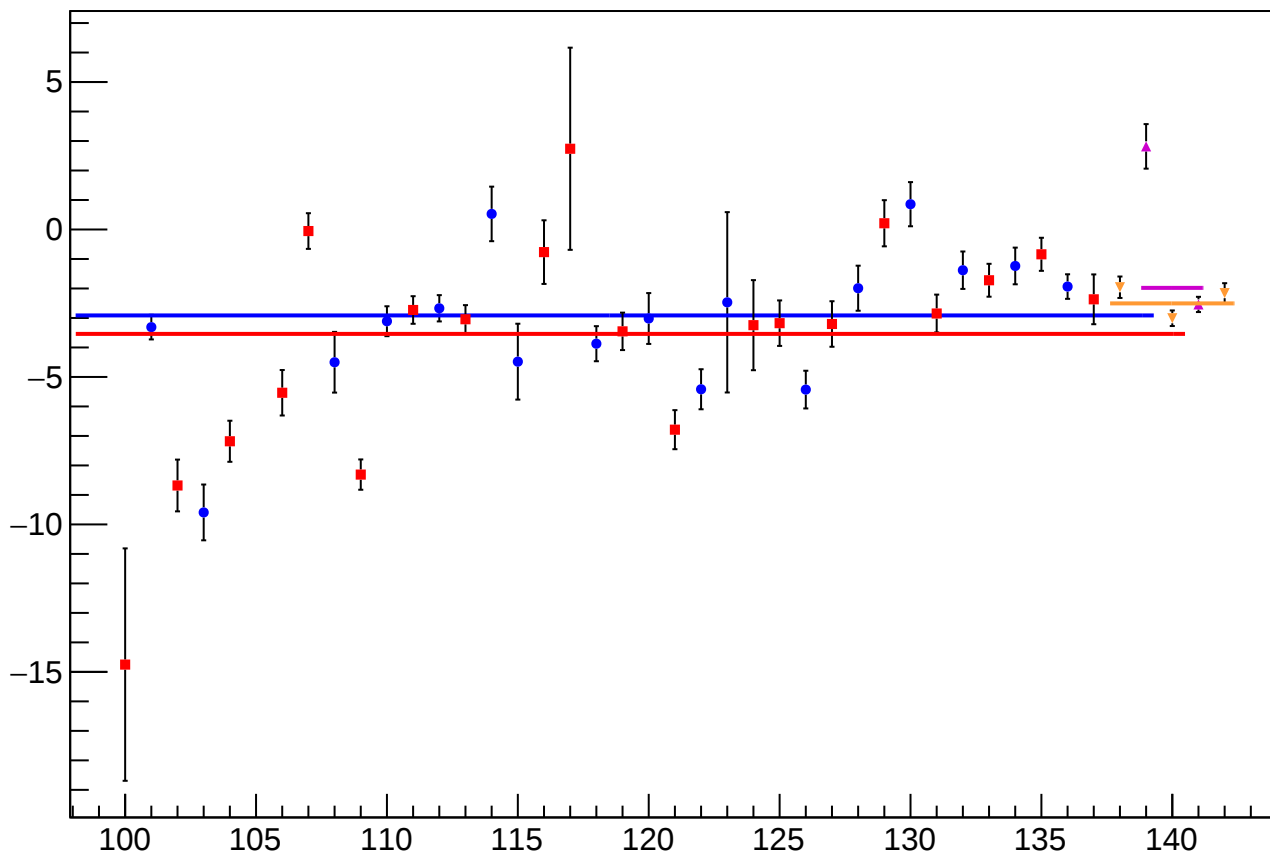
Right Out: 6.881 $\pm$ 0.085 χ^2 /NDF: 0.0/19

Left In: 2.599 $\pm$ 0.275 χ^2 /NDF:30.5/1

6.786 $\pm$ 0.085 χ^2 /NDF: 32.8/19

6.506 $\pm$ 0.081 χ^2 /NDF: 251.6/21

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -2.506 ± 0.180 χ^2/NDF : 7.0/2

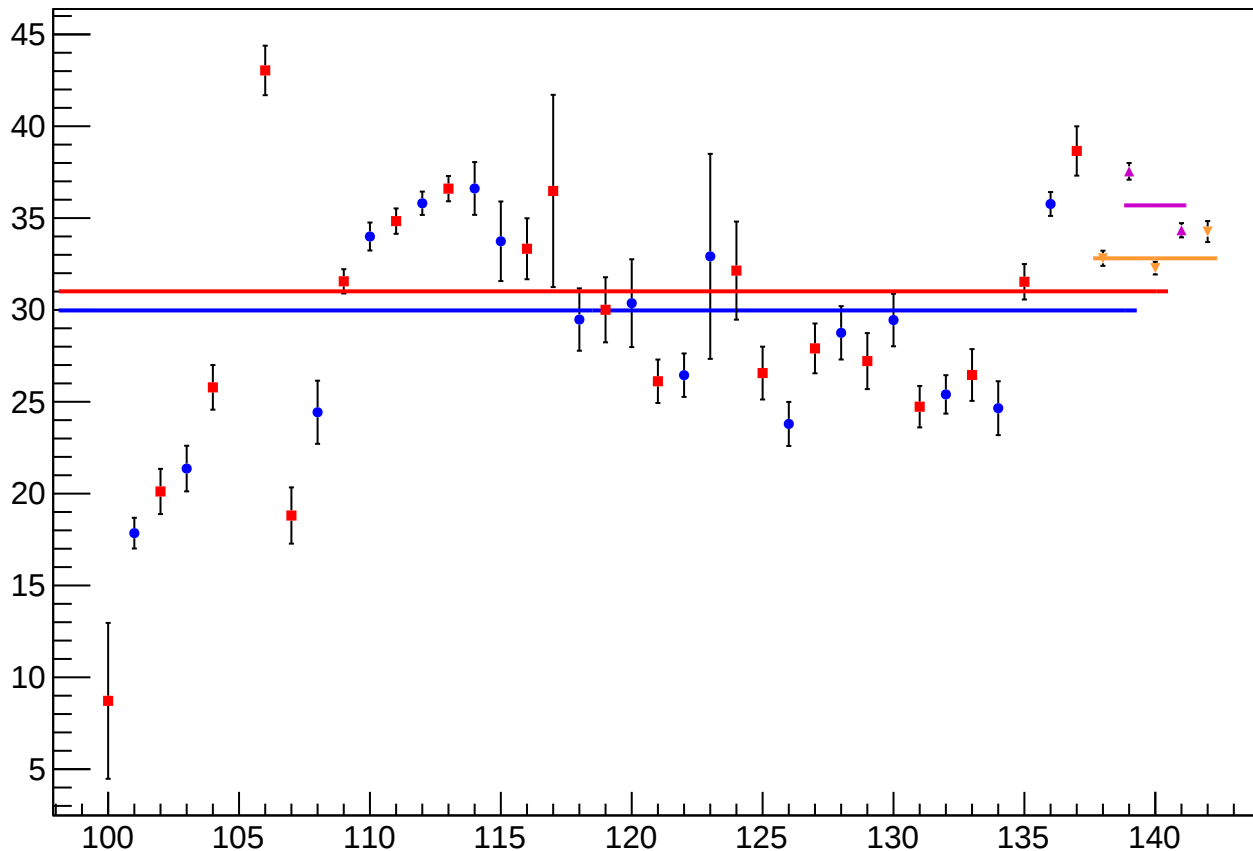
Right Out: -3.540 ± 0.154 χ^2/NDF : 294.2/19

Left In: -1.979 ± 0.244 χ^2/NDF : 45.1/1

-2.741 ± 0.117 χ^2/NDF : 156.0/19

-3.095 ± 0.131 χ^2/NDF : 368.4/21

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: 32.810 $\pm$ 0.241 χ^2 /NDF: 8.9/2

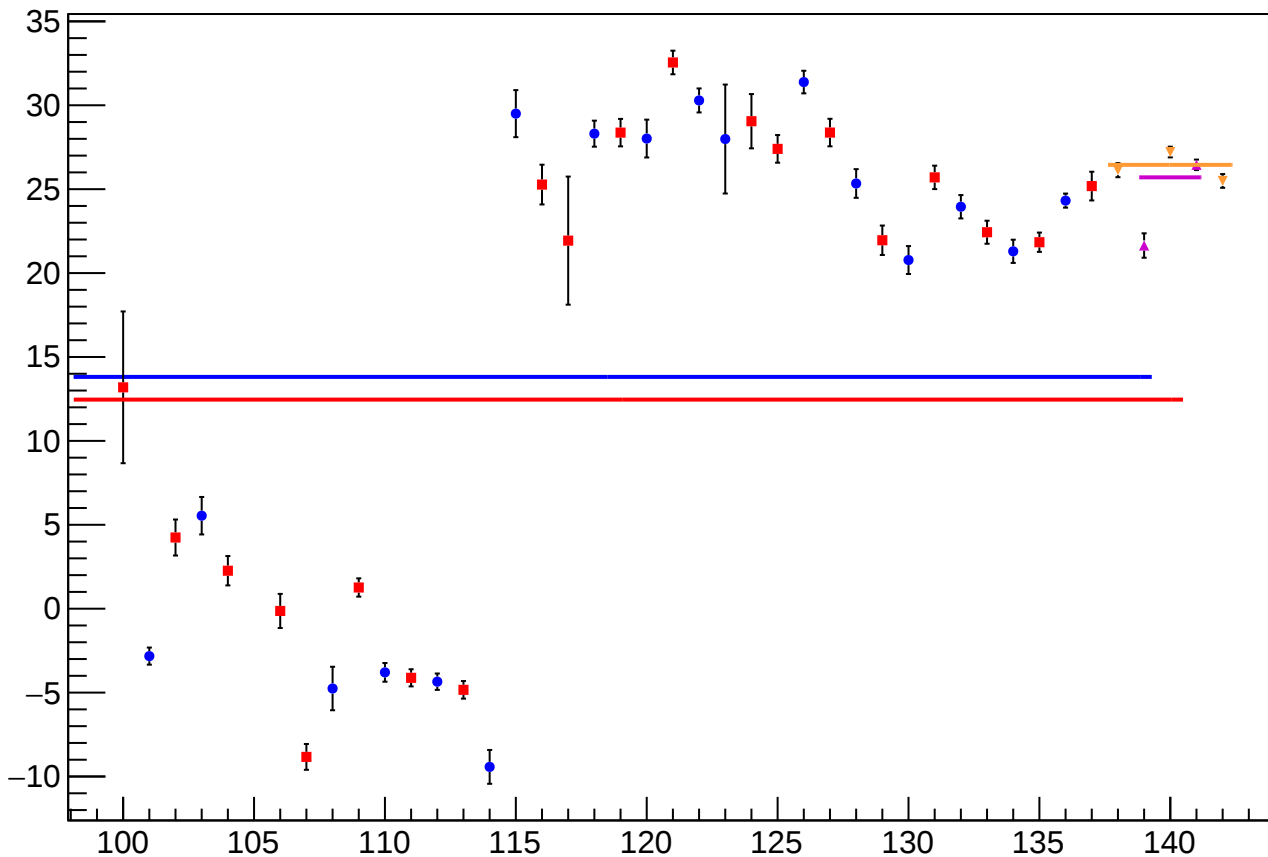
Right Out: 31.013 $\pm$ 0.260 χ^2 /NDF: 480.6/19

Left In: 35.691 $\pm$ 0.295 χ^2 /NDF: 28.9/1

31.539 $\pm$ 0.179 χ^2 /NDF: 625.4/19

33.058 $\pm$ 0.195 χ^2 /NDF: 651.3/21

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813+/-0.173 χ^2/NDF : 7318.6/16

Left Out: 26.449+/-0.216 χ^2/NDF :11.8/2

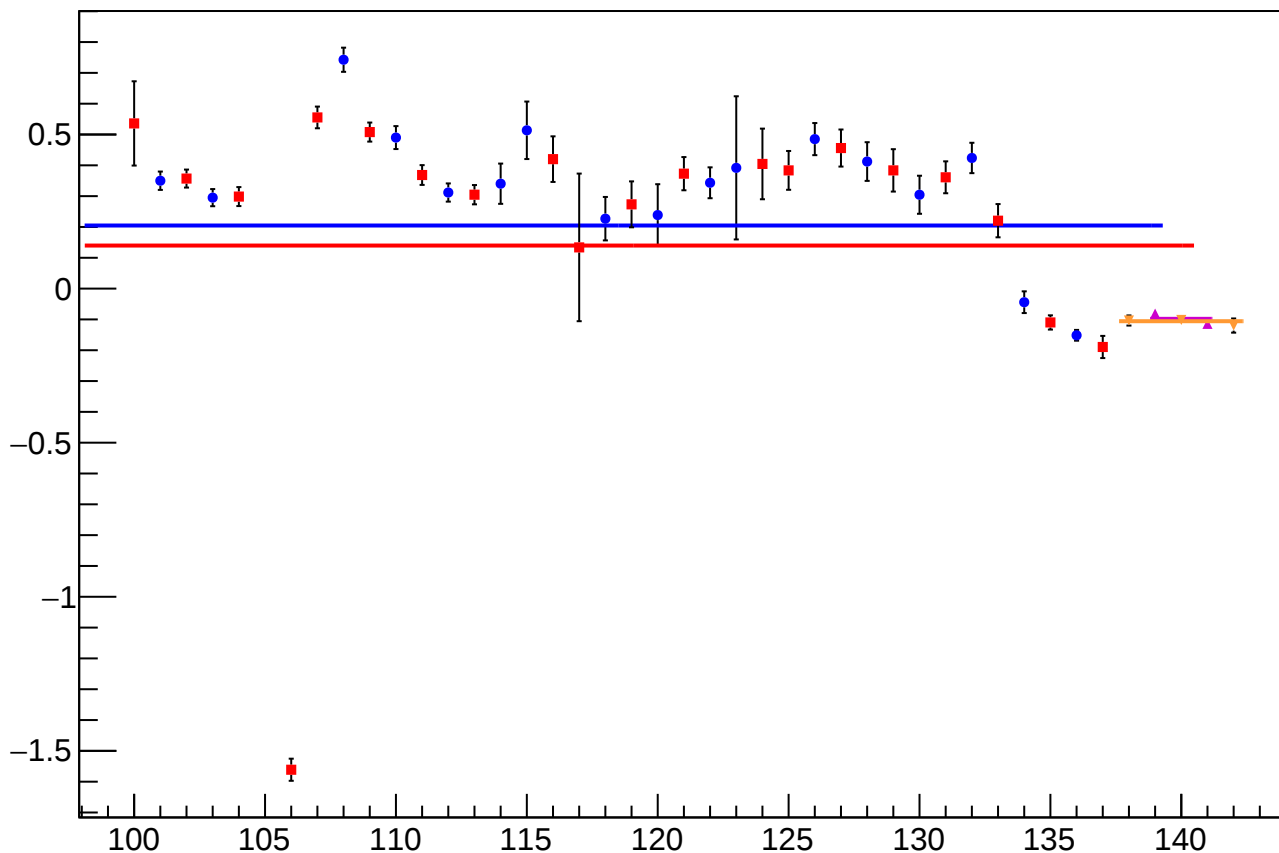
Right Out: 12.460+/-0.174 χ^2/NDF : 6976.5/19

Left In: 25.704+/-0.287 χ^2/NDF :36.9/1

18.735+/-0.135 χ^2/NDF : 9416.2/19

16.013+/-0.148 χ^2/NDF : 8576.0/21

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.009 χ^2 /NDF: 845.8/16

Left Out: -0.106 $\pm$ 0.010 χ^2 /NDF: 0.5/2

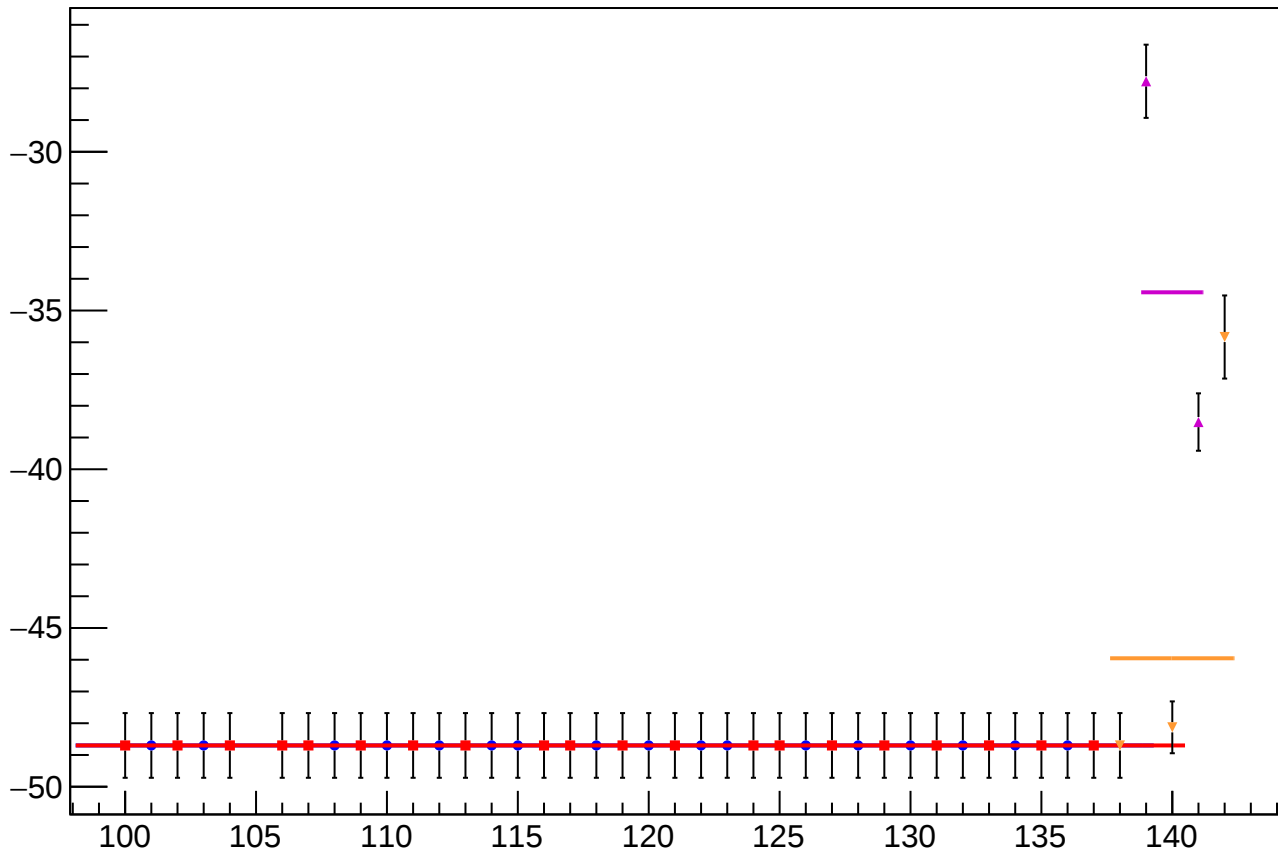
Right Out: 0.140 $\pm$ 0.009 χ^2 /NDF: 3014.2/19

Left In: -0.098 $\pm$ 0.011 χ^2 /NDF: 2.2/1

0.060 $\pm$ 0.007 χ^2 /NDF: 1359.3/19

0.044 $\pm$ 0.007 χ^2 /NDF: 3285.3/21

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -48.699 ± 0.247 χ^2/NDF : 0.0/16

Left Out: -45.954 ± 0.573 χ^2/NDF : 74.1/2

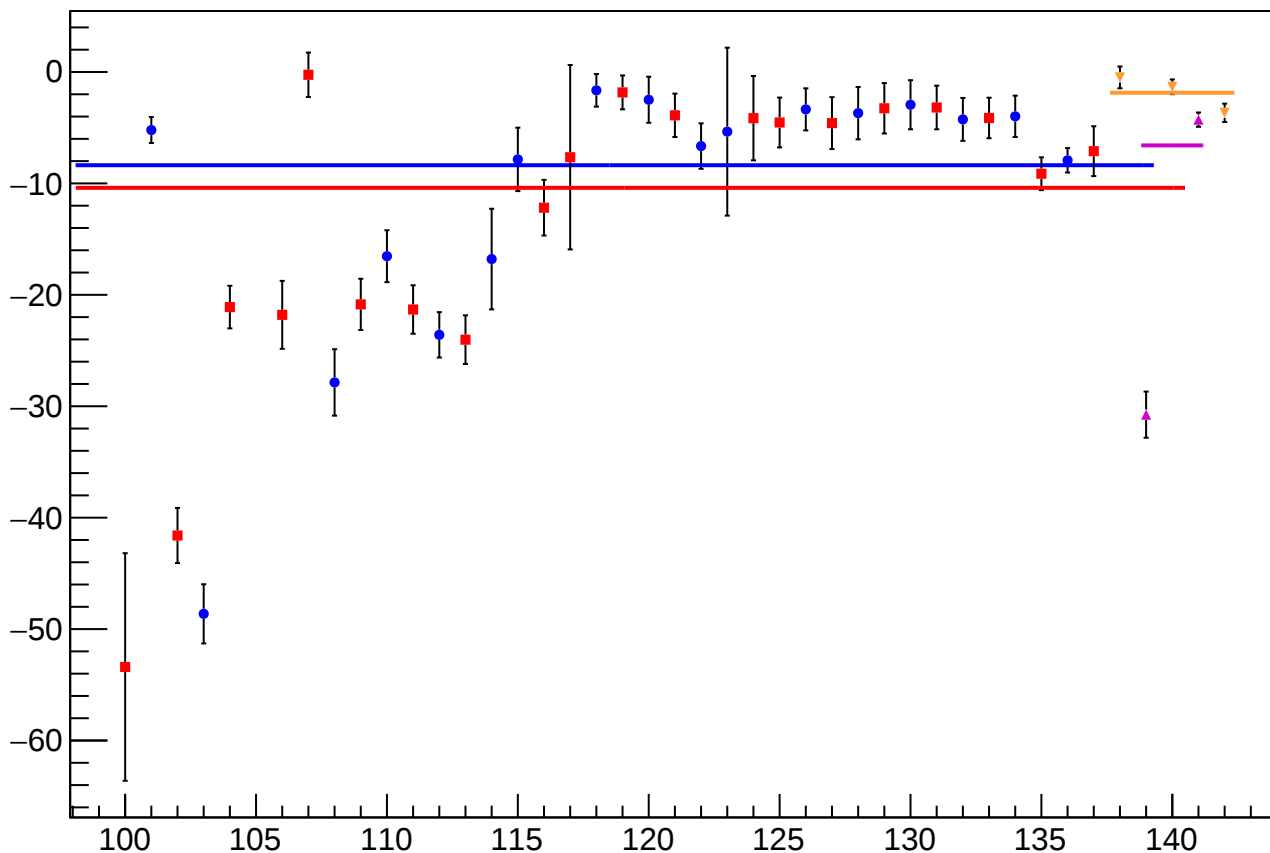
Right Out: -48.699 ± 0.228 χ^2/NDF : 0.0/19

Left In: -34.426 ± 0.711 χ^2/NDF : 53.7/1

-48.269 ± 0.227 χ^2/NDF : 93.5/19

-47.371 ± 0.217 χ^2/NDF : 418.7/21

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -1.861 ± 0.456 $\chi^2/\text{NDF}: 7.4/2$

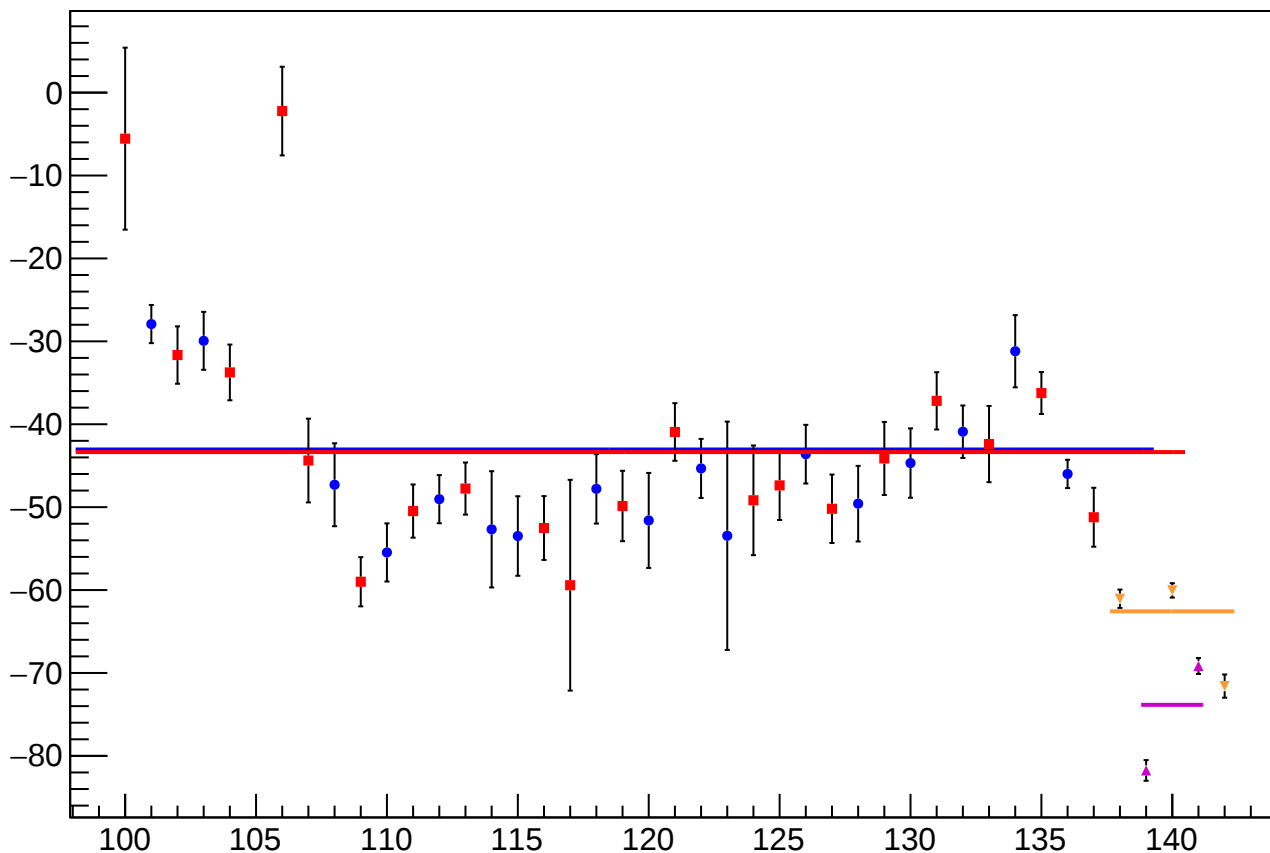
Right Out: -10.396 ± 0.490 $\chi^2/\text{NDF}: 430.4/19$

Left In: -6.589 ± 0.612 $\chi^2/\text{NDF}: 149.2/1$

-5.046 ± 0.326 $\chi^2/\text{NDF}: 515.7/19$

-8.908 ± 0.383 $\chi^2/\text{NDF}: 603.2/21$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$

Left Out: -62.568 ± 0.614 $\chi^2/\text{NDF}: 51.8/2$

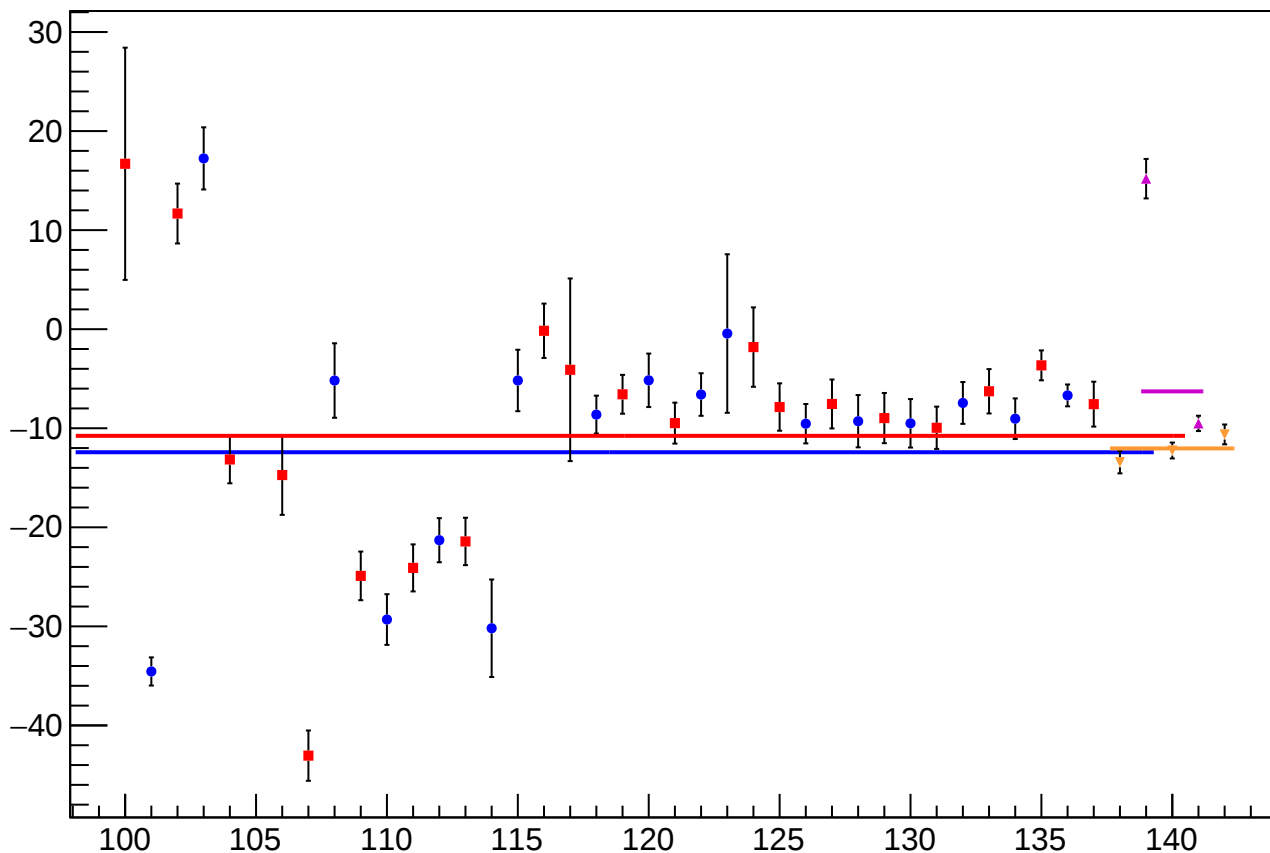
Right Out: -43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

Left In: -73.845 ± 0.762 $\chi^2/\text{NDF}: 63.9/1$

-55.741 ± 0.495 $\chi^2/\text{NDF}: 504.2/19$

-60.530 ± 0.572 $\chi^2/\text{NDF}: 919.4/21$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 $\pm$ 0.523 χ^2 /NDF: 474.4/16

Left Out: -12.037 $\pm$ 0.547 χ^2 /NDF: 3.6/2

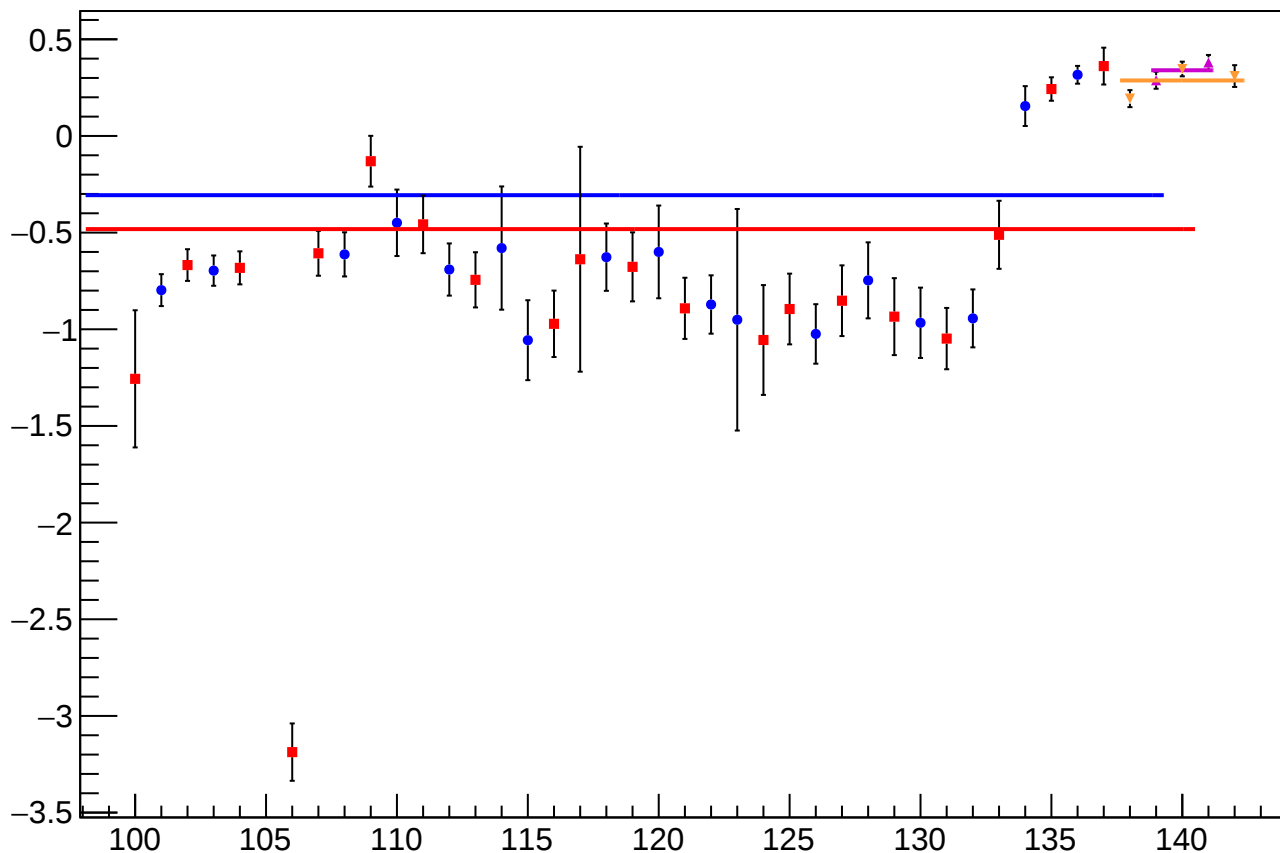
Right Out: -10.766 $\pm$ 0.553 χ^2 /NDF: 366.3/19

Left In: -6.279 $\pm$ 0.721 χ^2 /NDF: 133.5/1

-12.238 $\pm$ 0.378 χ^2 /NDF: 478.2/19

-9.105 $\pm$ 0.439 χ^2 /NDF: 524.3/21

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.287 ± 0.026 χ^2/NDF : 7.2/2

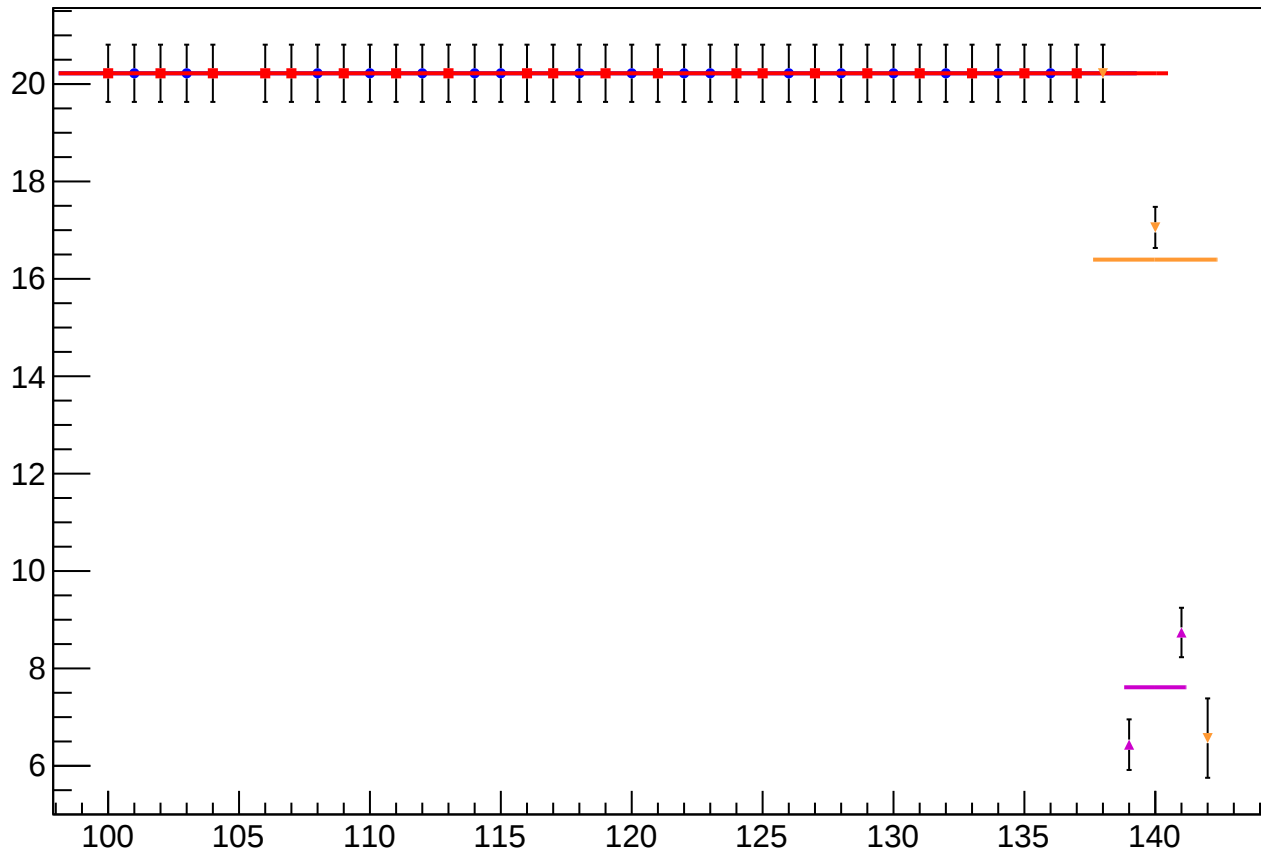
Right Out: -0.482 ± 0.029 χ^2/NDF : 628.3/19

Left In: 0.340 ± 0.029 χ^2/NDF : 2.5/1

0.012 ± 0.019 χ^2/NDF : 627.7/19

-0.079 ± 0.020 χ^2/NDF : 1036.4/21

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 20.221 $\pm$ 0.143 χ^2/NDF : 0.0/16

Left Out: 16.395 $\pm$ 0.316 χ^2/NDF :190.1/2

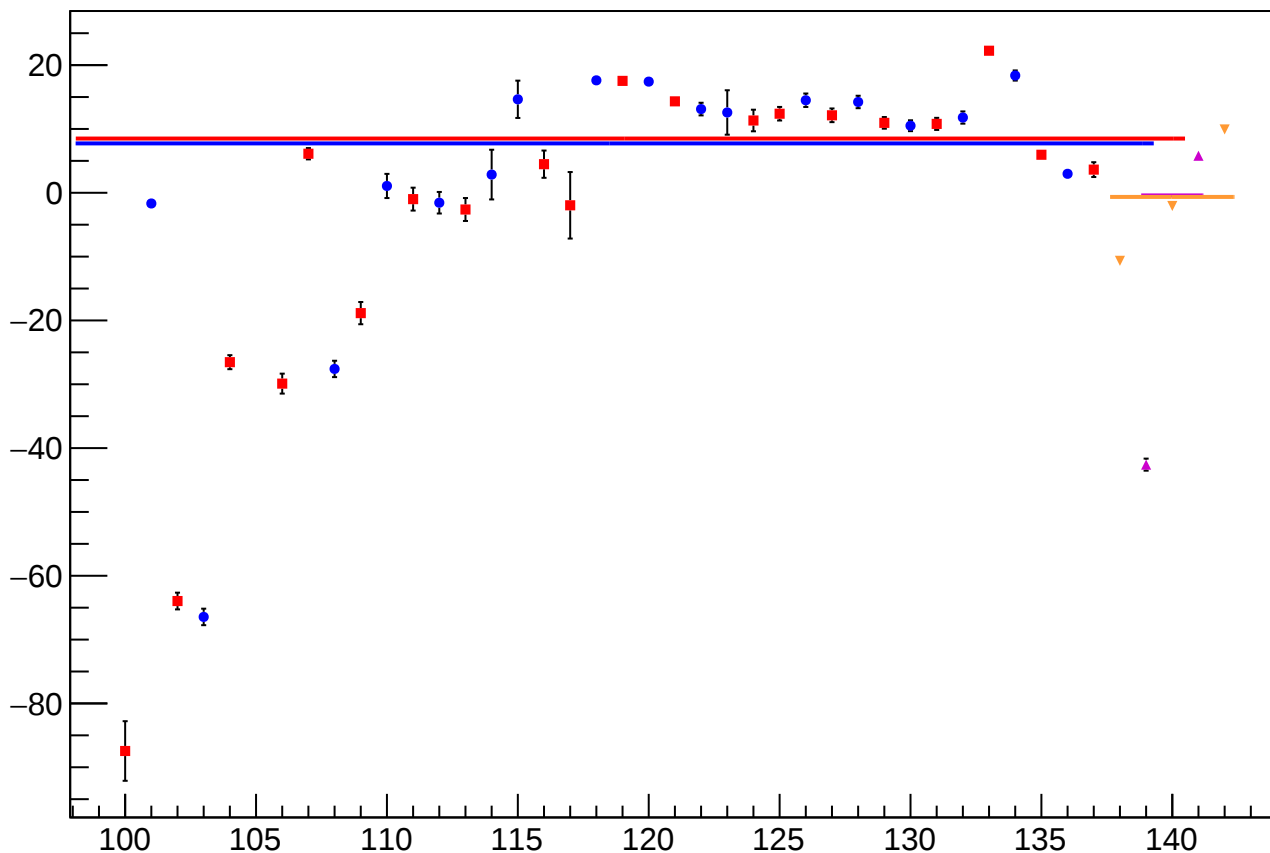
Right Out: 20.221 $\pm$ 0.131 χ^2/NDF : 0.0/19

Left In: 7.613 $\pm$ 0.363 χ^2/NDF :10.1/1

19.574 $\pm$ 0.130 χ^2/NDF : 311.9/19

18.760 $\pm$ 0.124 χ^2/NDF : 1076.4/21

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: -0.649 ± 0.260 χ^2/NDF : 717.4/2

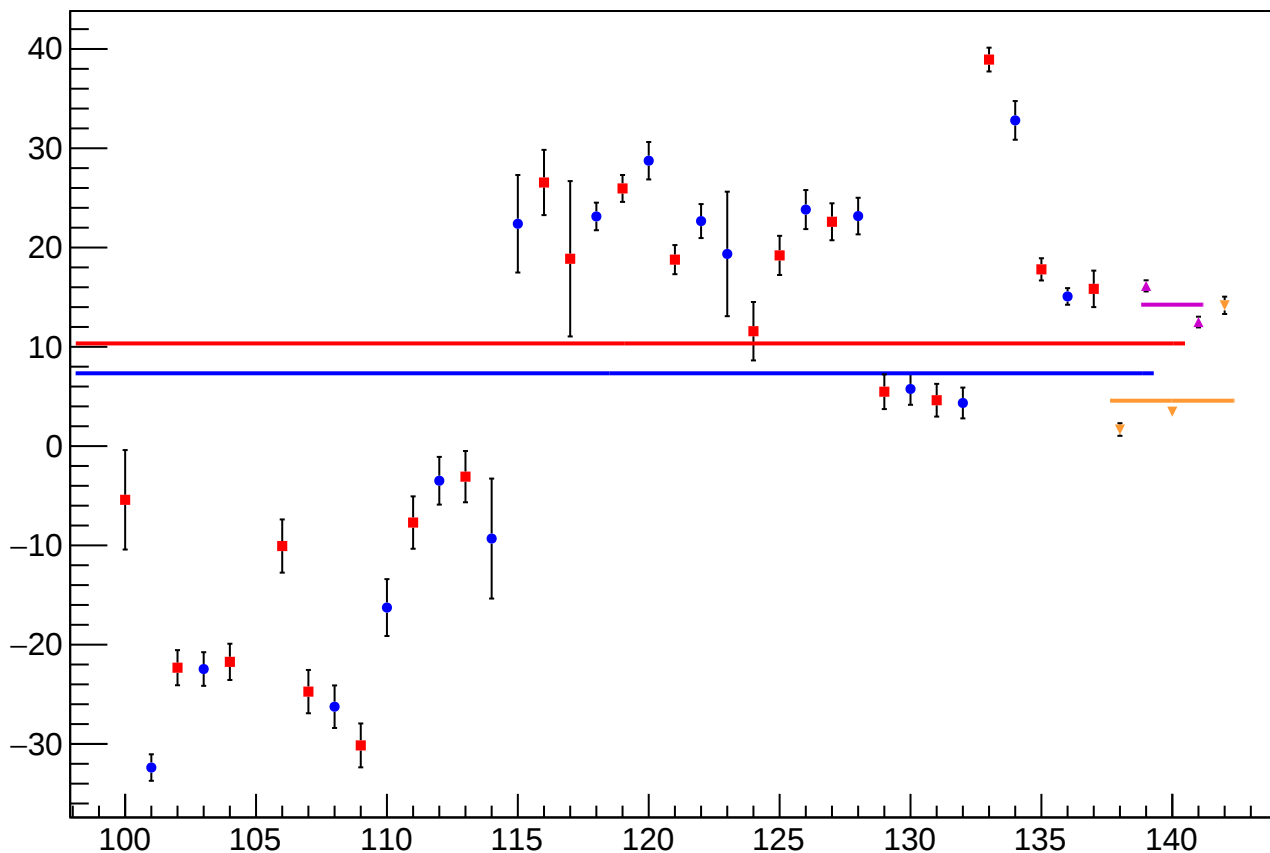
Right Out: 8.496 ± 0.213 χ^2/NDF : 6723.5/19

Left In: -0.413 ± 0.339 χ^2/NDF : 2286.8/1

4.279 ± 0.167 χ^2/NDF : 6627.7/19

5.970 ± 0.180 χ^2/NDF : 9506.2/21

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: 4.574+/-0.339 χ^2/NDF :148.0/2

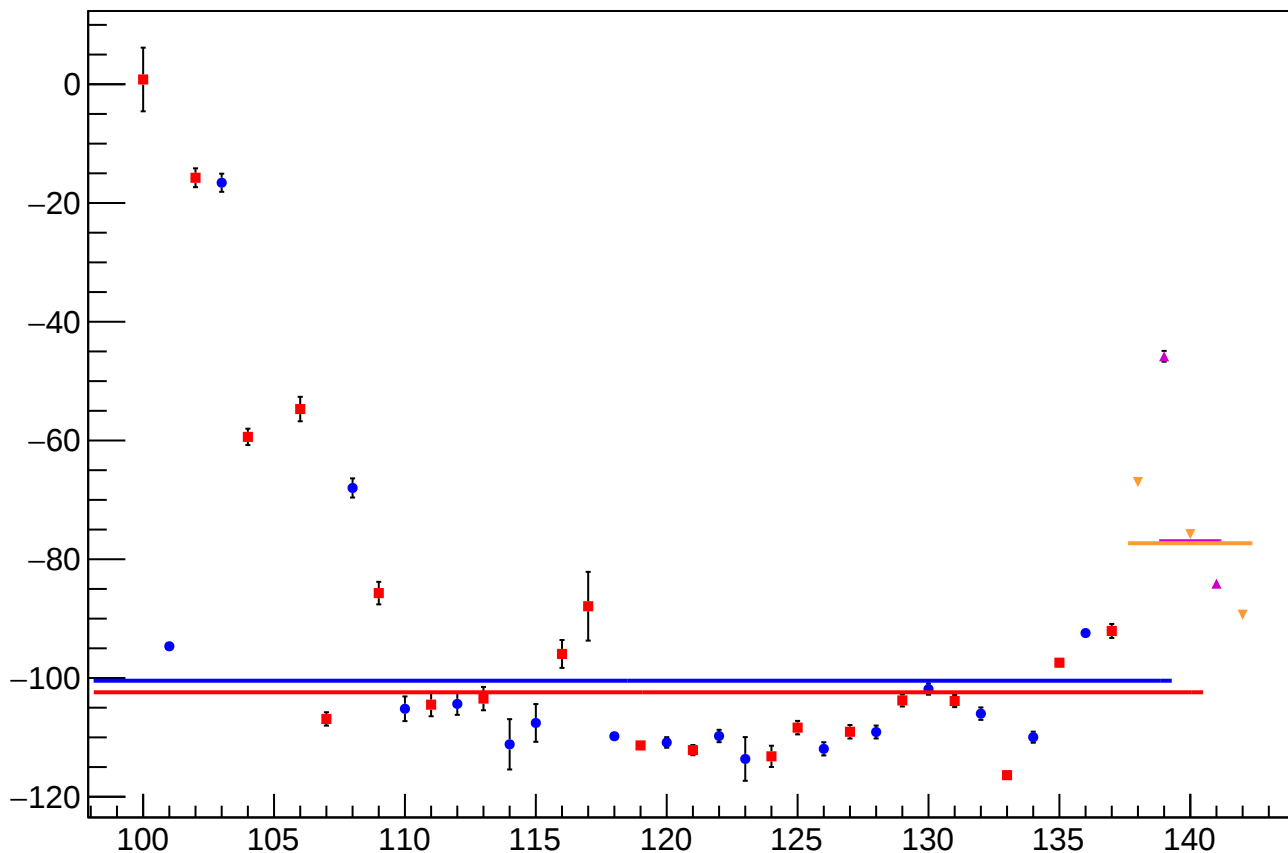
Right Out: 10.342+/-0.416 χ^2/NDF : 2282.7/19

Left In: 14.245+/-0.389 χ^2/NDF :21.9/1

5.666+/-0.263 χ^2/NDF : 2467.4/19

12.425+/-0.284 χ^2/NDF : 2351.6/21

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457+/-0.251 χ^2/NDF : 4461.1/16

Left Out: -77.302+/-0.311 χ^2/NDF : 613.8/2

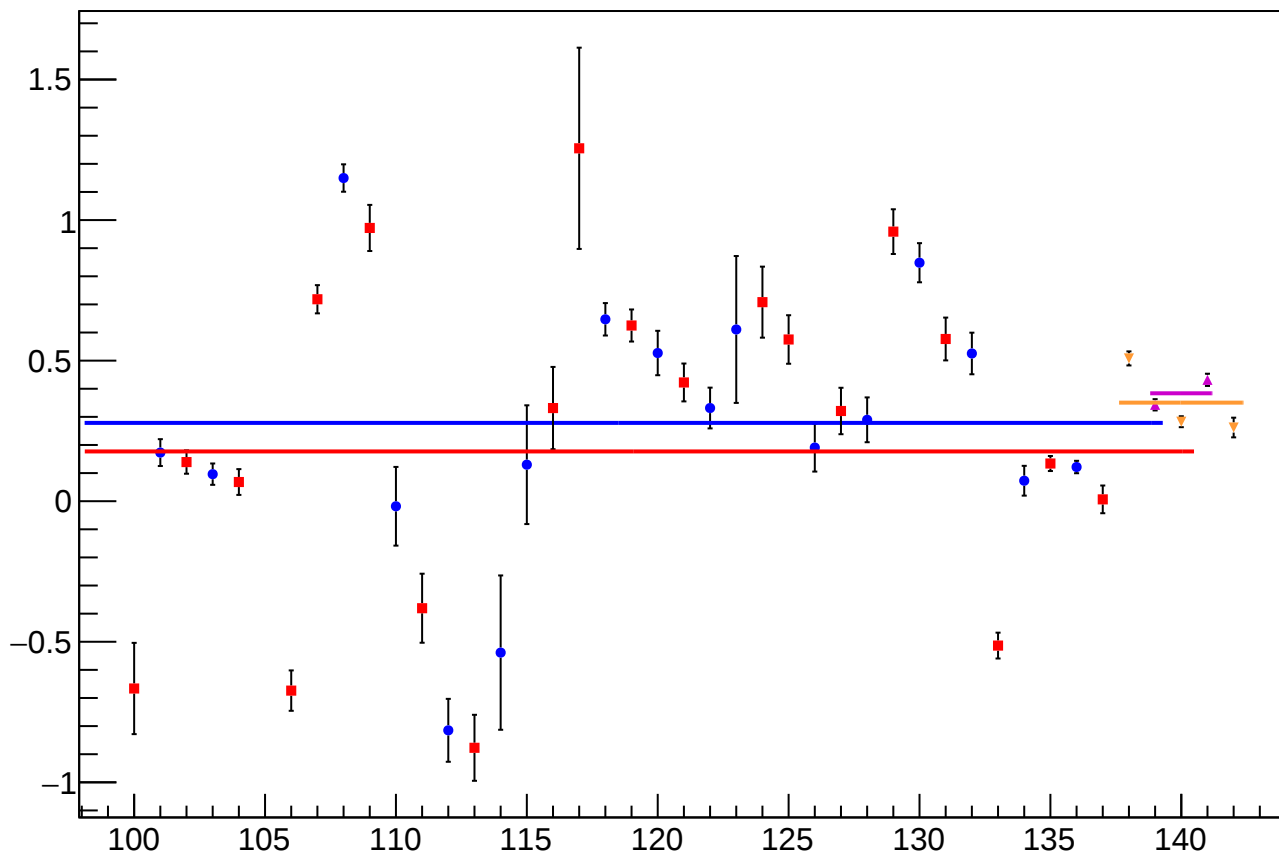
Right Out: -102.405+/-0.246 χ^2/NDF : 6100.6/19

Left In: -76.963+/-0.393 χ^2/NDF : 1438.7/1

-91.328+/-0.195 χ^2/NDF : 8437.2/19

-95.247+/-0.209 χ^2/NDF : 10547.6/21

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.351 ± 0.014 χ^2/NDF : 58.1/2

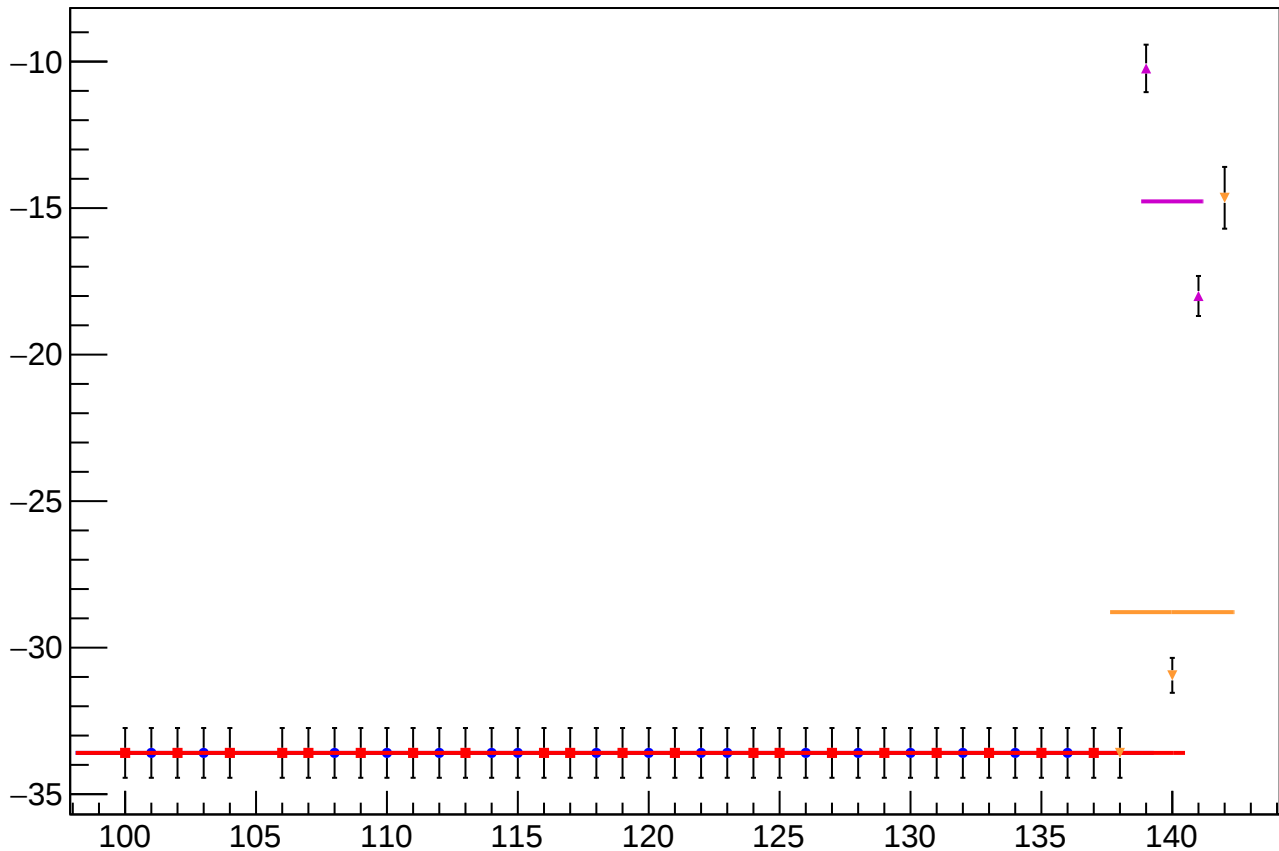
Right Out: 0.177 ± 0.013 χ^2/NDF : 976.8/19

Left In: 0.384 ± 0.015 χ^2/NDF : 9.0/1

0.313 ± 0.010 χ^2/NDF : 725.6/19

0.271 ± 0.010 χ^2/NDF : 1092.9/21

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -33.592 $\pm$ 0.206 χ^2 /NDF: 0.0/16

Left Out: -28.788 $\pm$ 0.443 χ^2 /NDF:225.1/2

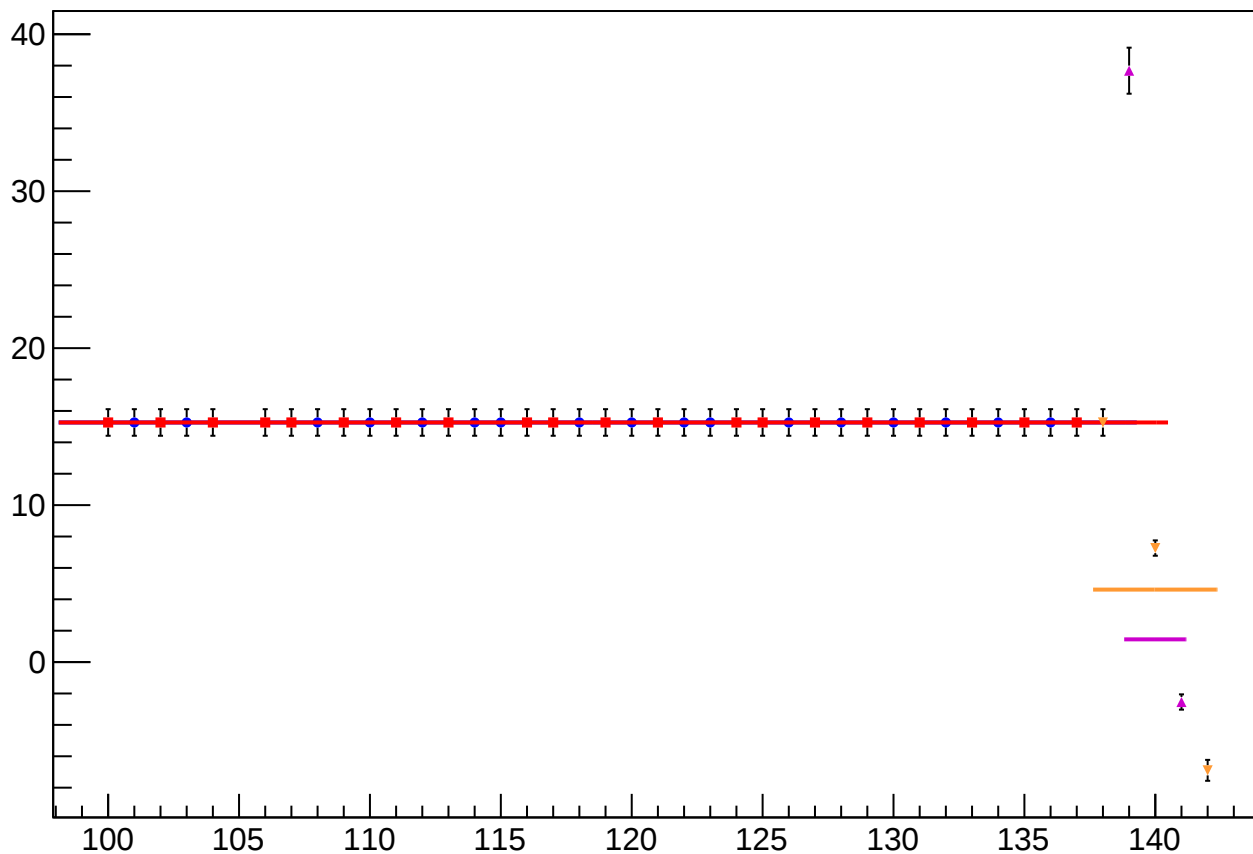
Right Out: -33.592 $\pm$ 0.190 χ^2 /NDF: 0.0/19

Left In: -14.771 $\pm$ 0.522 χ^2 /NDF:53.7/1

-32.736 $\pm$ 0.187 χ^2 /NDF: 321.9/19

-31.392 $\pm$ 0.179 χ^2 /NDF: 1201.2/21

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 15.266 $\pm$ 0.205 χ^2 /NDF: 0.0/16

Left Out: 4.619 $\pm$ 0.357 χ^2 /NDF: 485.7/2

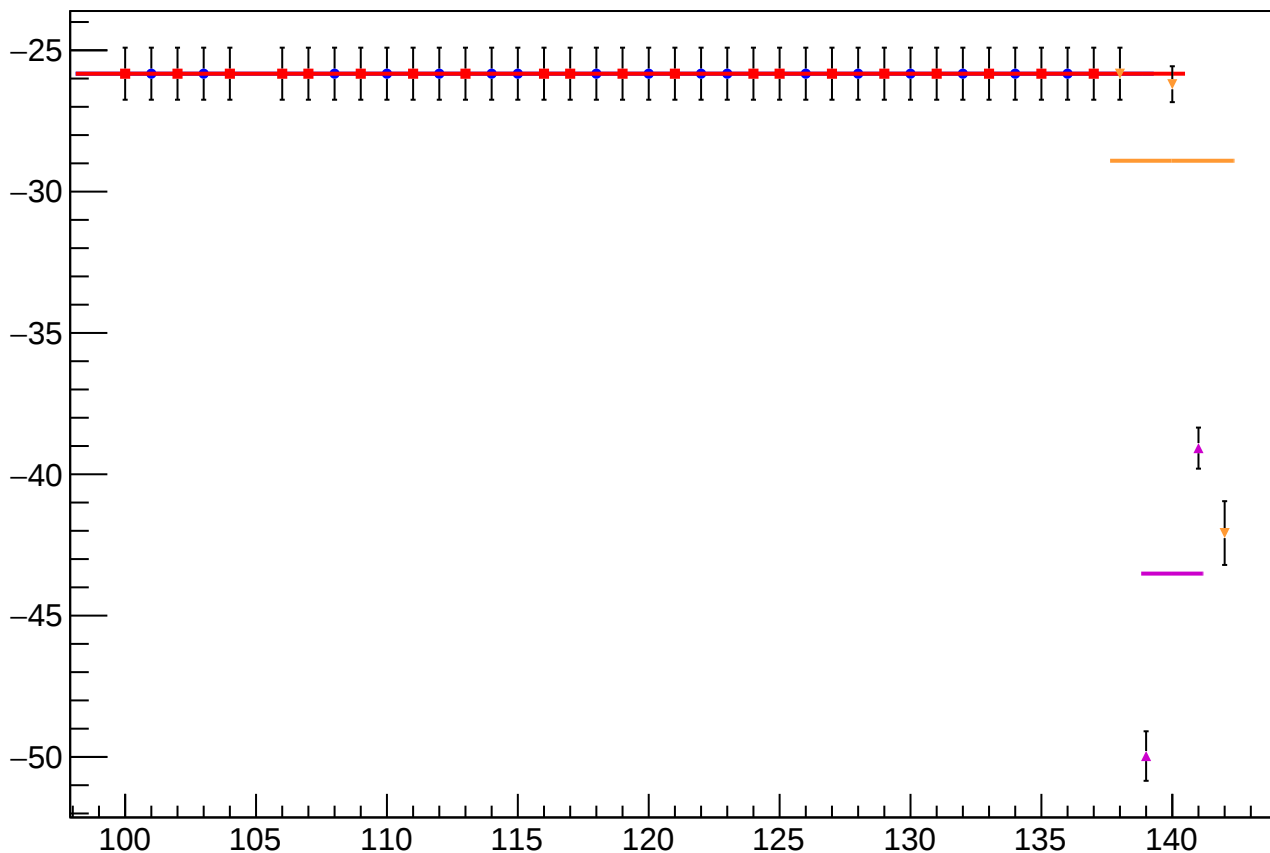
Right Out: 15.266 $\pm$ 0.189 χ^2 /NDF: 0.0/19

Left In: 1.448 $\pm$ 0.462 χ^2 /NDF: 677.4/1

12.620 $\pm$ 0.178 χ^2 /NDF: 1152.9/19

13.277 $\pm$ 0.175 χ^2 /NDF: 1443.2/21

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -25.828 ± 0.223 χ^2/NDF : 0.0/16

Left Out: -28.908 ± 0.474 χ^2/NDF : 165.7/2

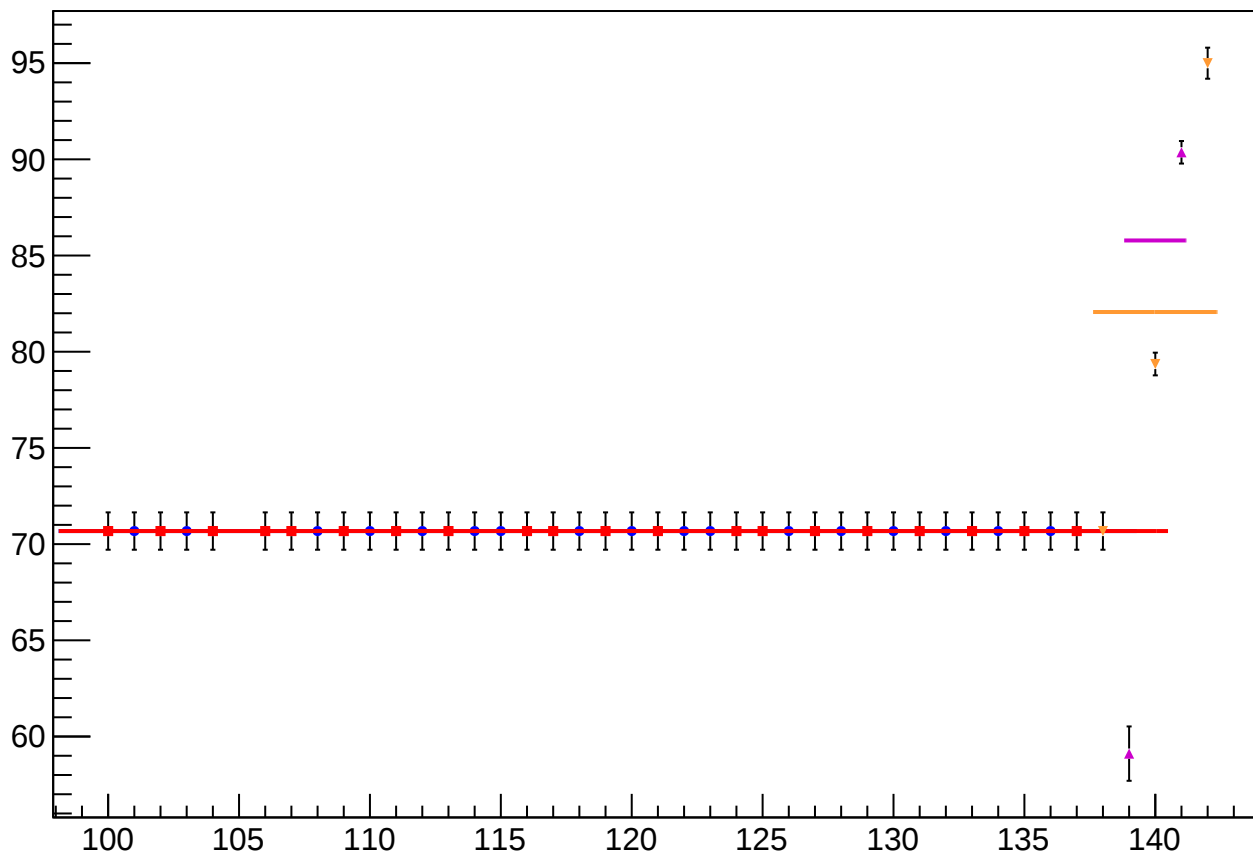
Right Out: -25.828 ± 0.206 χ^2/NDF : 0.0/19

Left In: -43.514 ± 0.559 χ^2/NDF : 91.7/1

-26.387 ± 0.202 χ^2/NDF : 200.2/19

-27.940 ± 0.193 χ^2/NDF : 972.7/21

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 70.679 $\pm$ 0.235 χ^2 /NDF: 0.0/16

Left Out: 82.064 $\pm$ 0.428 χ^2 /NDF: 415.2/2

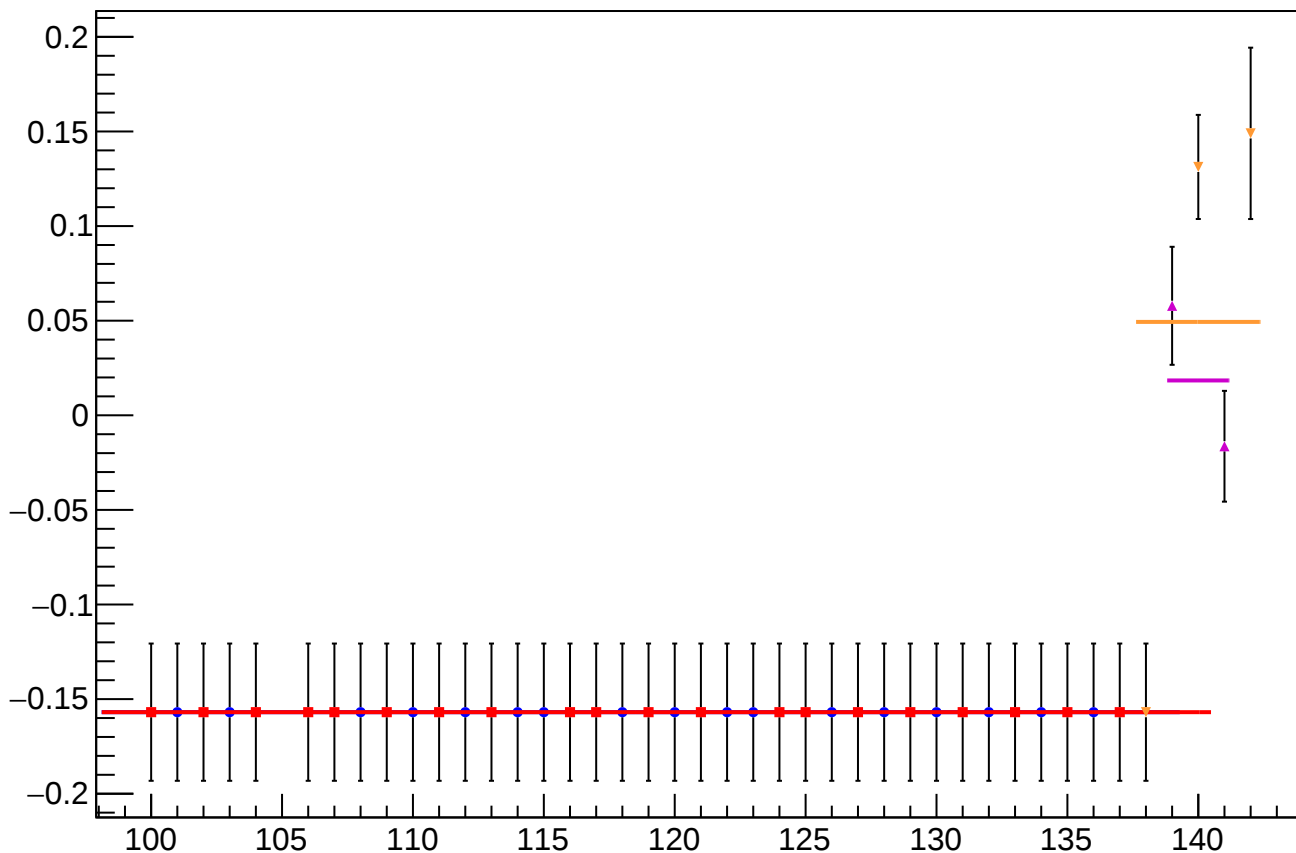
Right Out: 70.679 $\pm$ 0.217 χ^2 /NDF: 0.0/19

Left In: 85.783 $\pm$ 0.541 χ^2 /NDF: 417.7/1

73.329 $\pm$ 0.206 χ^2 /NDF: 959.3/19

72.774 $\pm$ 0.201 χ^2 /NDF: 1089.1/21

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.157 ± 0.009 χ^2/NDF : 0.0/16

Left Out: 0.049 ± 0.020 χ^2/NDF : 46.0/2

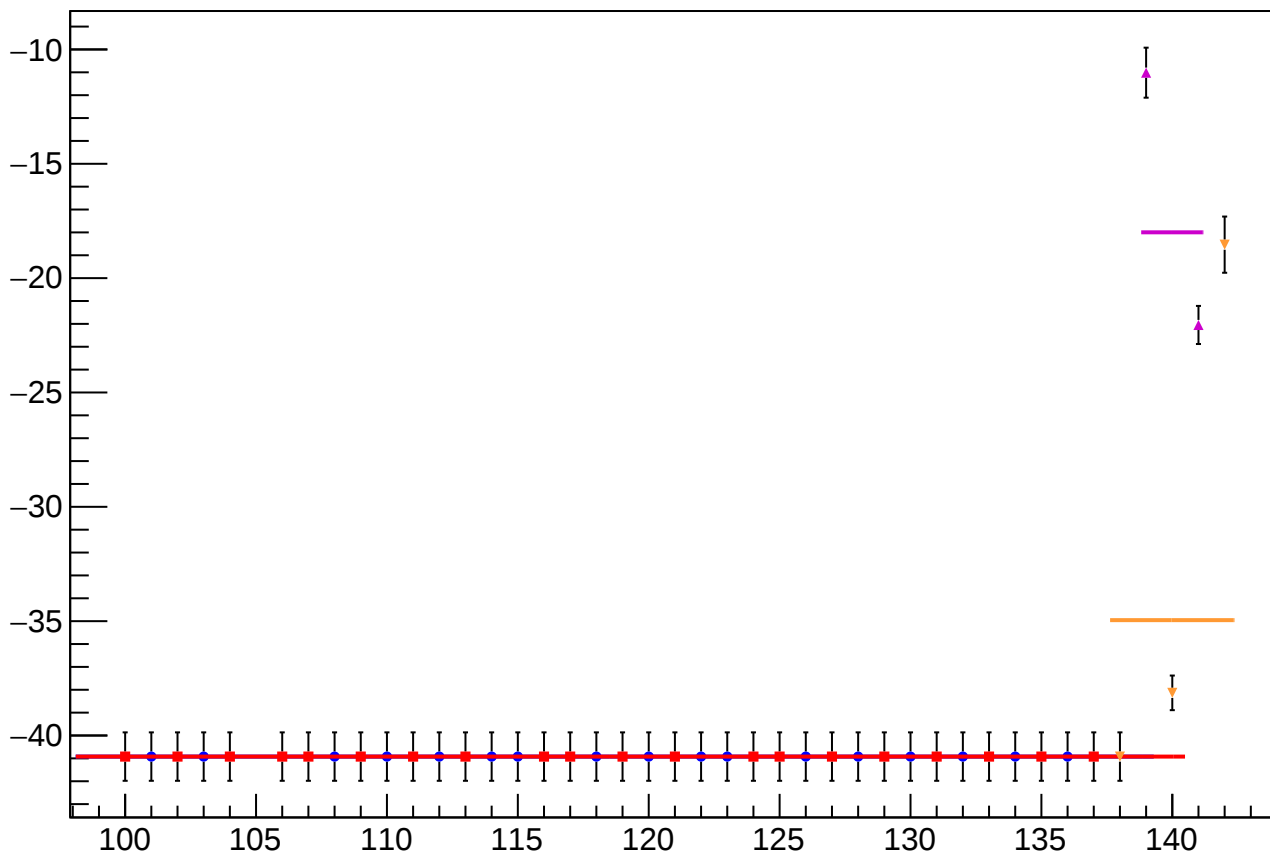
Right Out: -0.157 ± 0.008 χ^2/NDF : 0.0/19

Left In: 0.018 ± 0.021 χ^2/NDF : 3.0/1

-0.123 ± 0.008 χ^2/NDF : 137.2/19

-0.135 ± 0.008 χ^2/NDF : 62.0/21

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -40.922 ± 0.257 χ^2/NDF : 0.0/16

Left Out: -34.955 ± 0.550 χ^2/NDF : 228.0/2

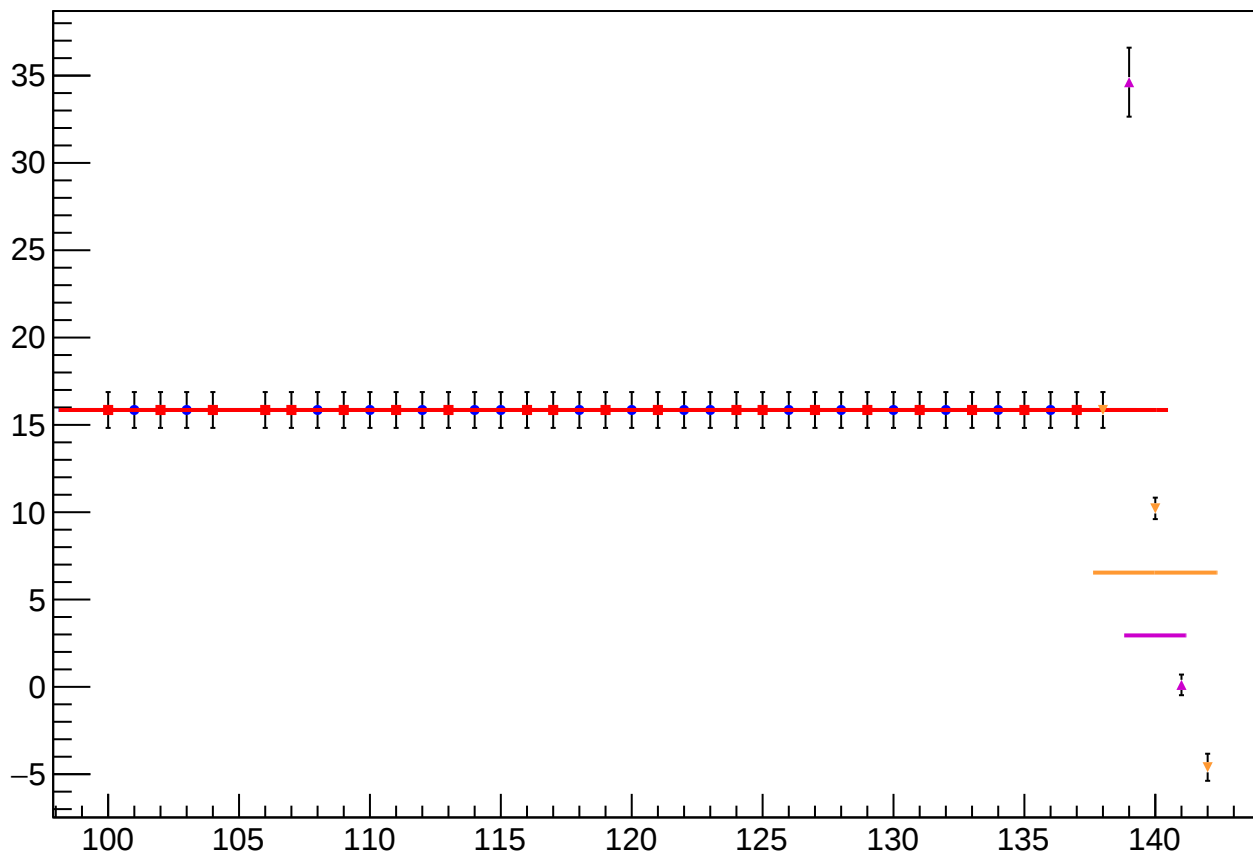
Right Out: -40.922 ± 0.237 χ^2/NDF : 0.0/19

Left In: -17.997 ± 0.663 χ^2/NDF : 64.4/1

-39.855 ± 0.233 χ^2/NDF : 324.4/19

-38.327 ± 0.223 χ^2/NDF : 1125.7/21

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 15.853 $\pm$ 0.249 χ^2 /NDF: 0.0/16

Left Out: 6.542 $\pm$ 0.436 χ^2 /NDF:324.9/2

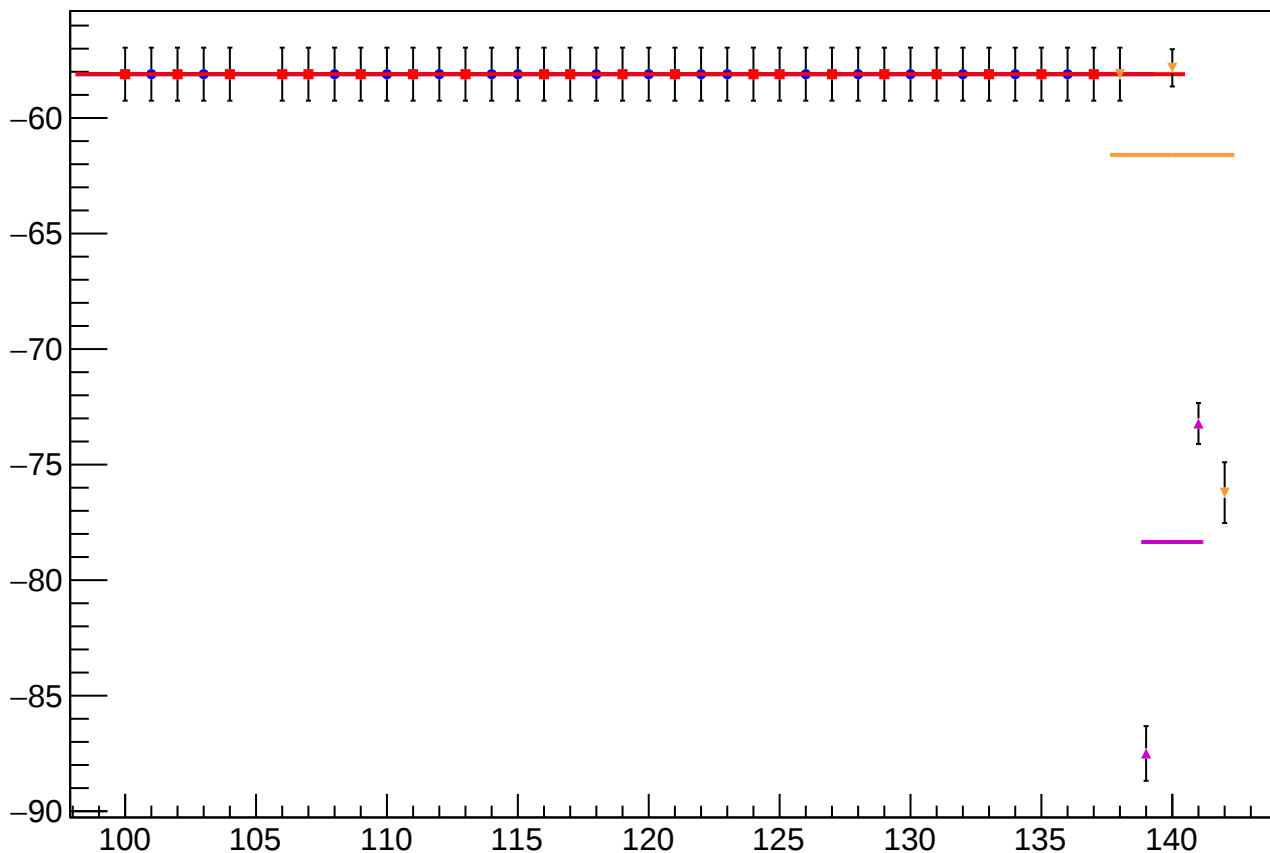
Right Out: 15.853 $\pm$ 0.230 χ^2 /NDF: 0.0/19

Left In: 2.945 $\pm$ 0.566 χ^2 /NDF:280.1/1

13.562 $\pm$ 0.216 χ^2 /NDF: 668.9/19

14.029 $\pm$ 0.213 χ^2 /NDF: 726.7/21

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -58.103 $\pm$ 0.278 χ^2 /NDF: 0.0/16

Left Out: -61.595 $\pm$ 0.590 χ^2 /NDF:154.6/2

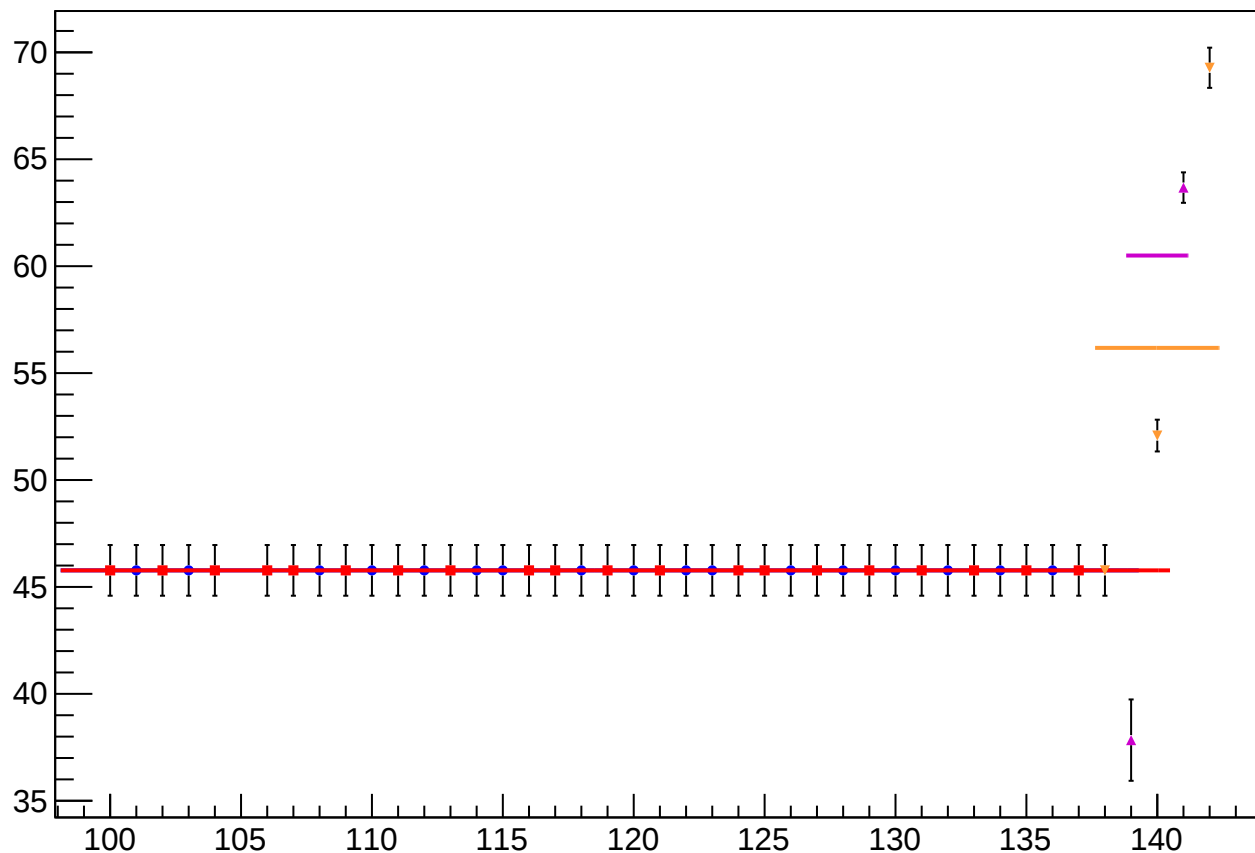
Right Out: -58.103 $\pm$ 0.257 χ^2 /NDF: 0.0/19

Left In: -78.349 $\pm$ 0.709 χ^2 /NDF:93.3/1

-58.740 $\pm$ 0.252 χ^2 /NDF: 183.3/19

-60.447 $\pm$ 0.241 χ^2 /NDF: 814.0/21

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 45.775 $\pm$ 0.288 χ^2 /NDF: 0.0/16

Left Out: 56.179 $\pm$ 0.523 χ^2 /NDF:301.7/2

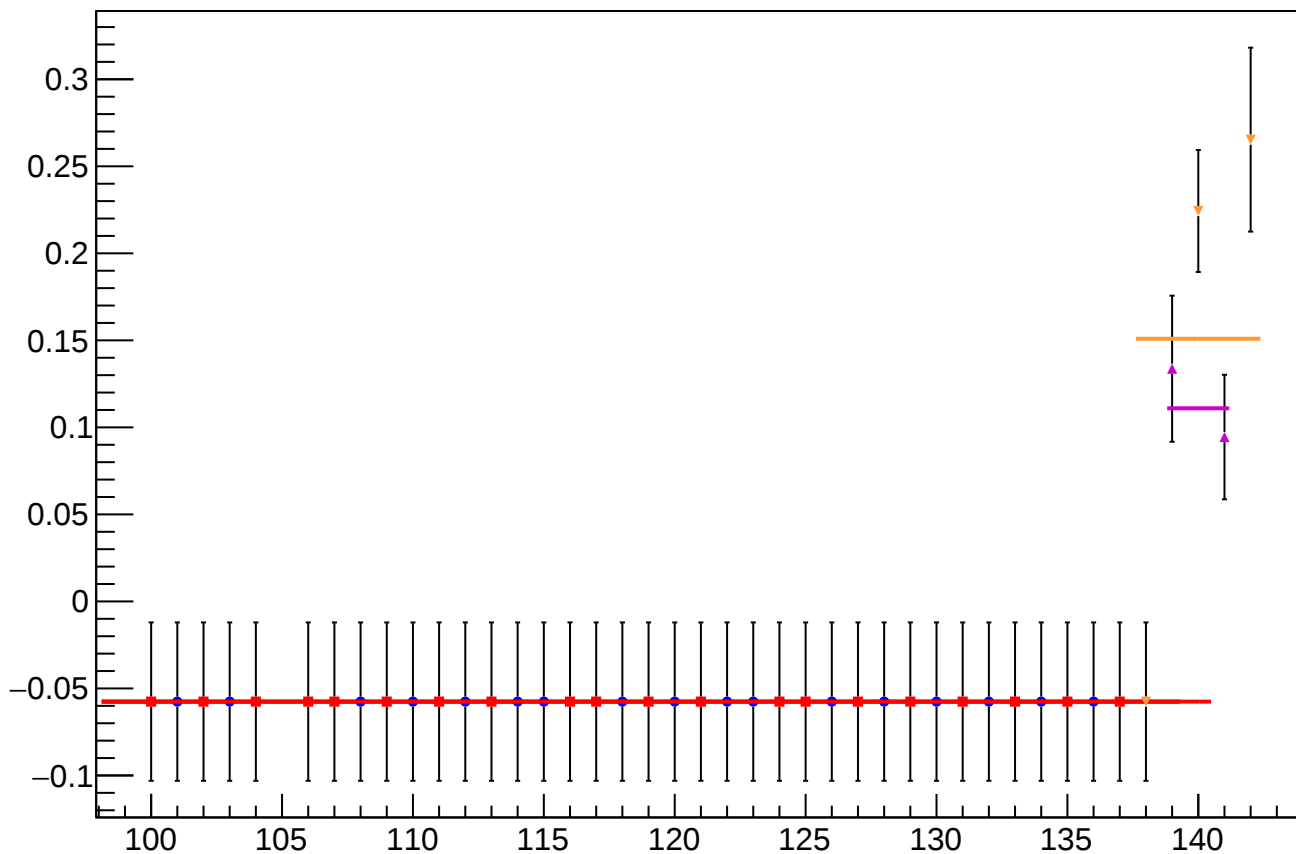
Right Out: 45.775 $\pm$ 0.265 χ^2 /NDF: 0.0/19

Left In: 60.498 $\pm$ 0.667 χ^2 /NDF:161.8/1

48.189 $\pm$ 0.252 χ^2 /NDF: 605.6/19

47.783 $\pm$ 0.246 χ^2 /NDF: 582.5/21

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.058 $\pm$ 0.011 χ^2 /NDF: 0.0/16

Left Out: 0.151 $\pm$ 0.025 χ^2 /NDF:30.1/2

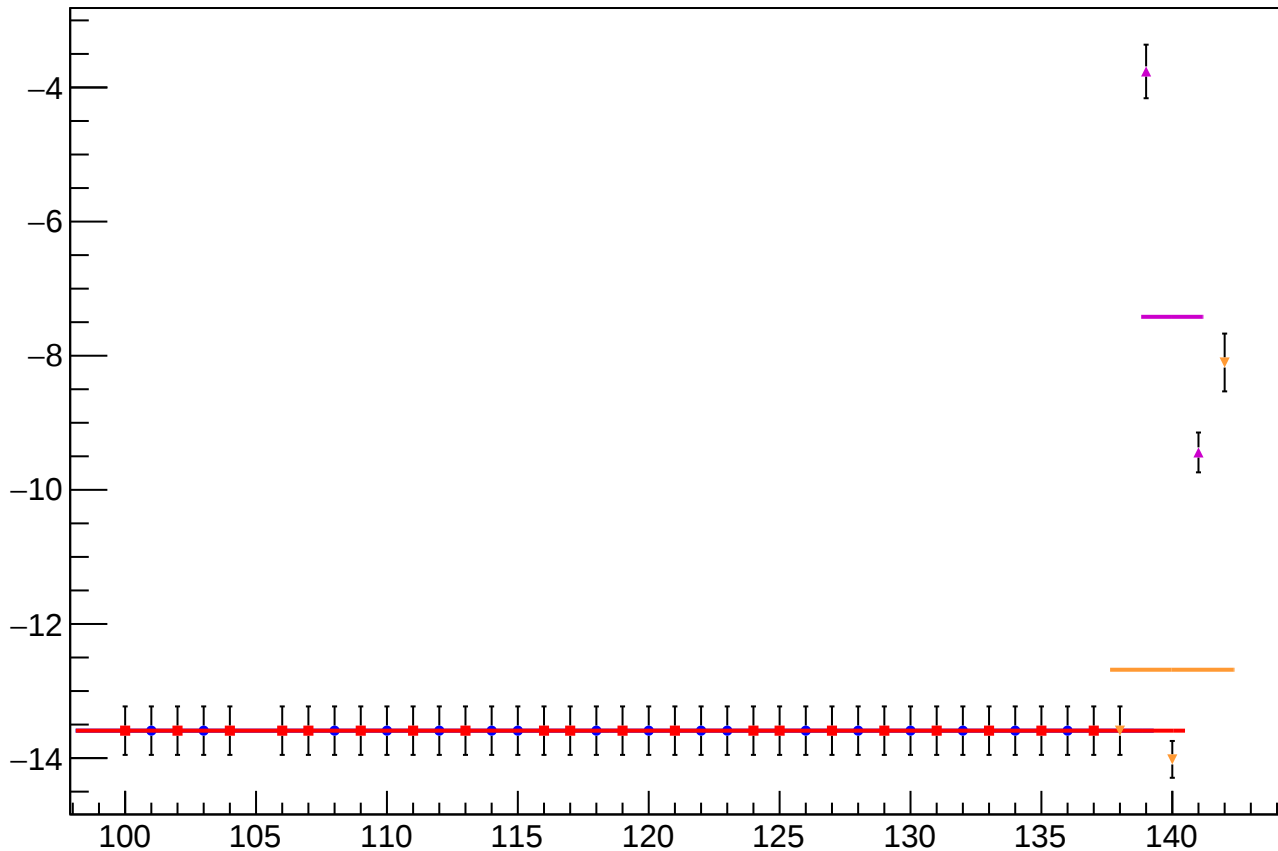
Right Out: -0.058 $\pm$ 0.010 χ^2 /NDF: 0.0/19

Left In: 0.111 $\pm$ 0.027 χ^2 /NDF:0.5/1

-0.023 $\pm$ 0.010 χ^2 /NDF: 90.0/19

-0.037 $\pm$ 0.010 χ^2 /NDF: 34.1/21

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -13.591 $\pm$ 0.088 χ^2 /NDF: 0.0/16

Left Out: -12.682 $\pm$ 0.195 χ^2 /NDF:143.1/2

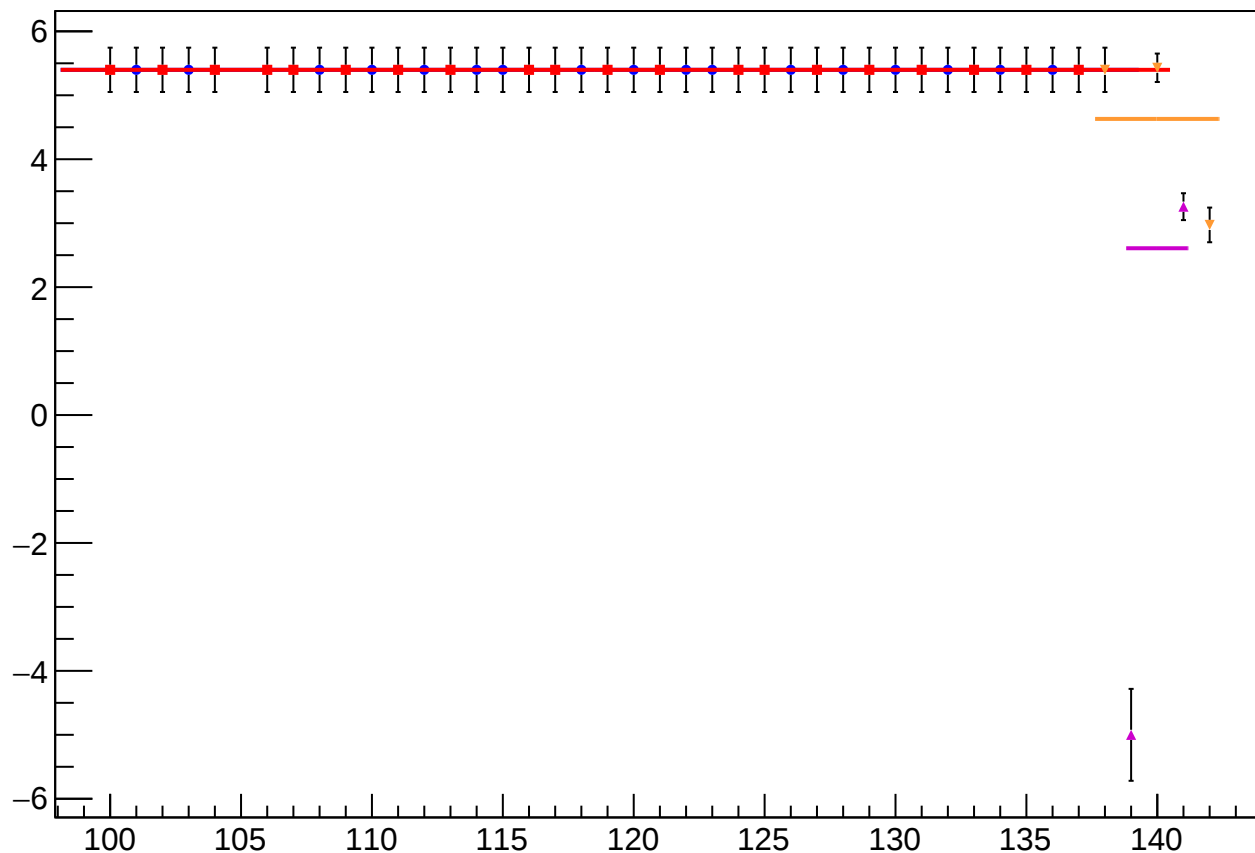
Right Out: -13.591 $\pm$ 0.081 χ^2 /NDF: 0.0/19

Left In: -7.420 $\pm$ 0.238 χ^2 /NDF:130.3/1

-13.438 $\pm$ 0.080 χ^2 /NDF: 161.2/19

-12.954 $\pm$ 0.077 χ^2 /NDF: 731.9/21

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 5.398 $\pm$ 0.084 χ^2 /NDF: 0.0/16

Left Out: 4.630 $\pm$ 0.154 χ^2 /NDF:55.2/2

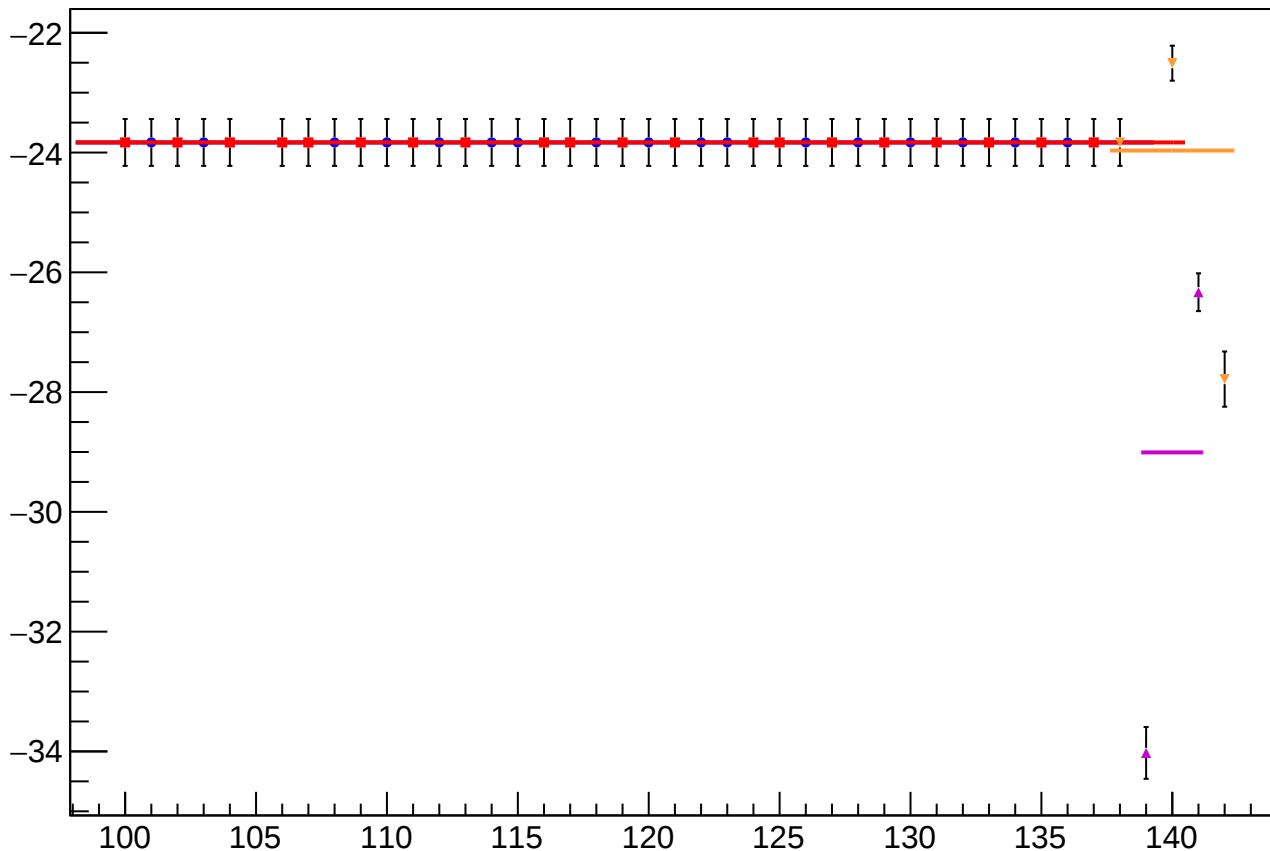
Right Out: 5.398 $\pm$ 0.077 χ^2 /NDF: 0.0/19

Left In: 2.608 $\pm$ 0.202 χ^2 /NDF:121.7/1

5.222 $\pm$ 0.074 χ^2 /NDF: 74.4/19

5.039 $\pm$ 0.072 χ^2 /NDF: 288.4/21

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -23.831 $\pm$ 0.095 χ^2 /NDF: 0.0/16

Left Out: -23.966 $\pm$ 0.209 χ^2 /NDF: 93.5/2

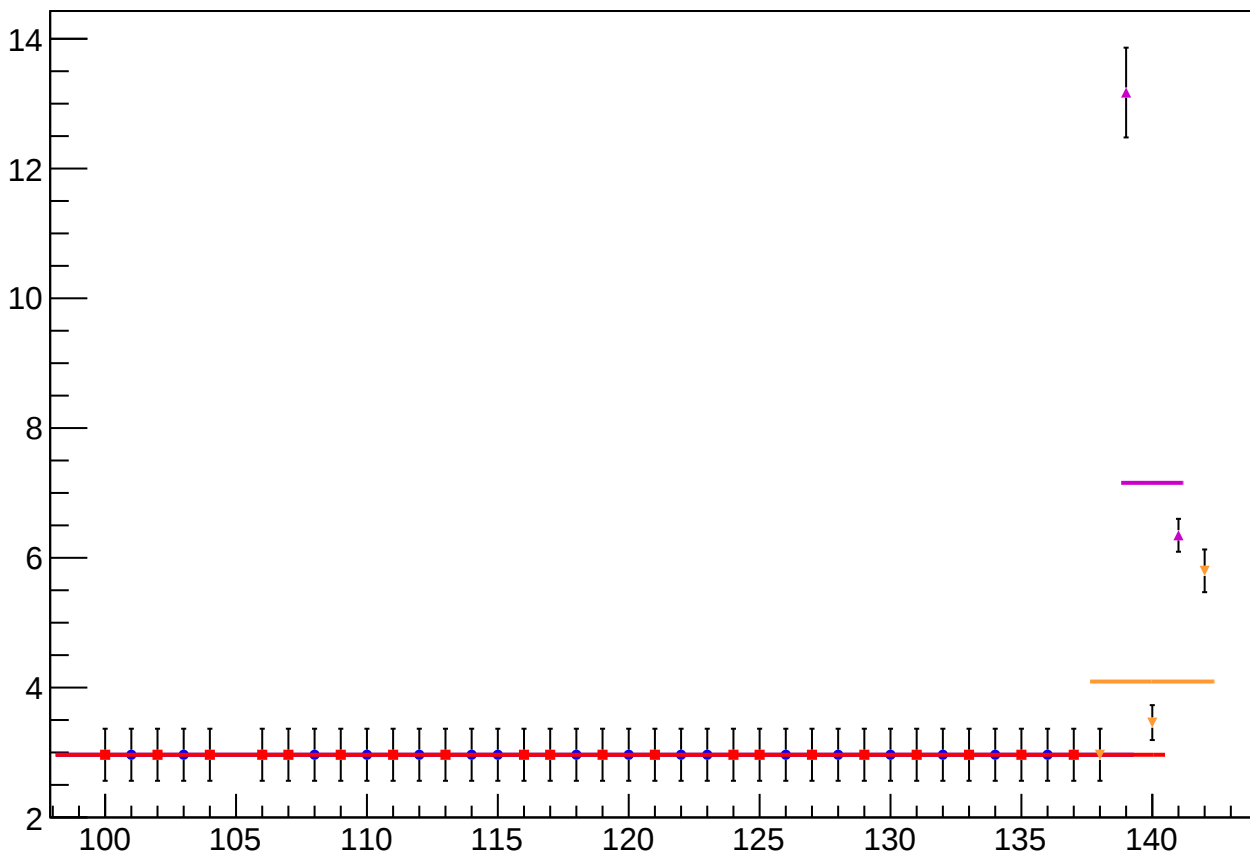
Right Out: -23.831 $\pm$ 0.088 χ^2 /NDF: 0.0/19

Left In: -29.007 $\pm$ 0.255 χ^2 /NDF: 206.4/1

-23.854 $\pm$ 0.086 χ^2 /NDF: 93.9/19

-24.377 $\pm$ 0.083 χ^2 /NDF: 575.0/21

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 2.964 $\pm$ 0.097 χ^2 /NDF: 0.0/16

Left Out: 4.093 $\pm$ 0.185 χ^2 /NDF: 40.3/2

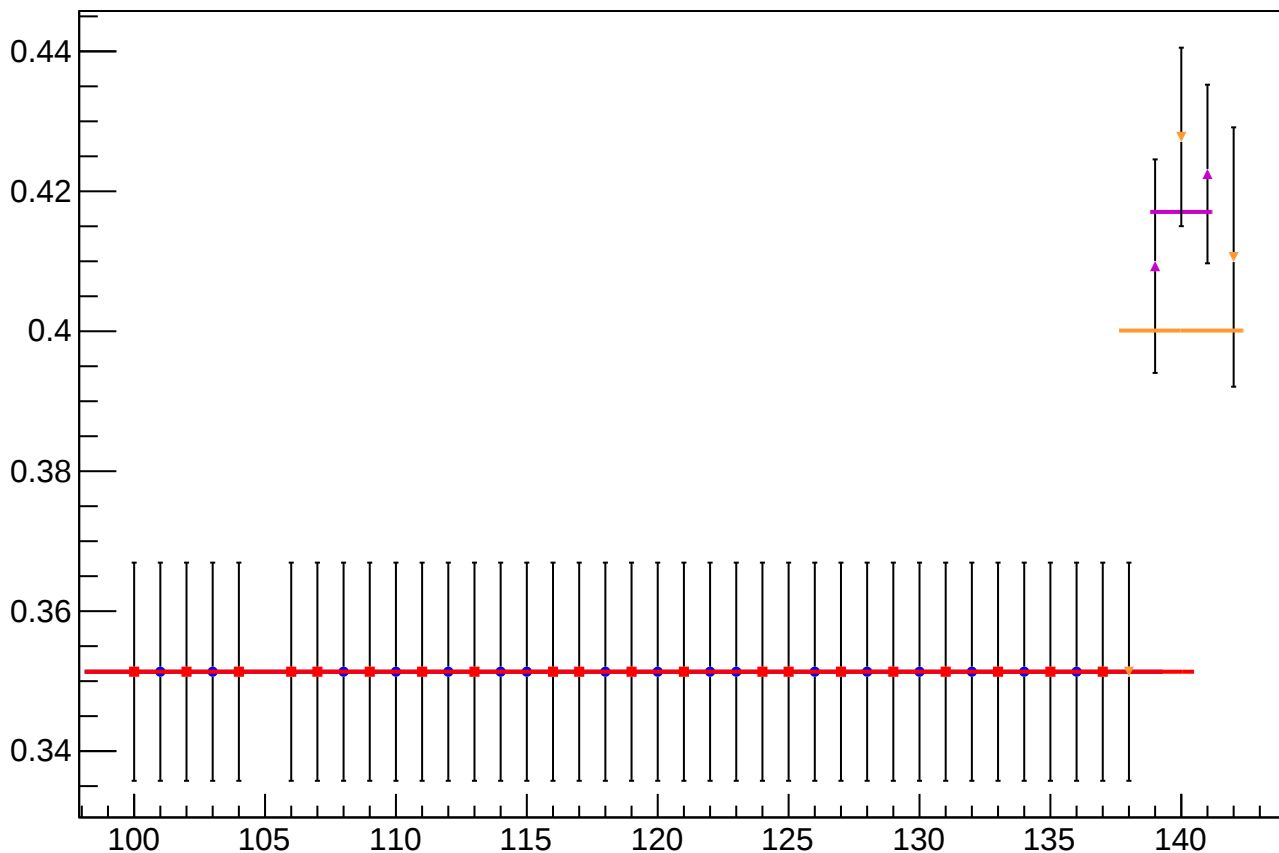
Right Out: 2.964 $\pm$ 0.090 χ^2 /NDF: 0.0/19

Left In: 7.156 $\pm$ 0.238 χ^2 /NDF: 85.8/1

3.209 $\pm$ 0.086 χ^2 /NDF: 69.5/19

3.486 $\pm$ 0.084 χ^2 /NDF: 357.1/21

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.351 $\pm$ 0.004 χ^2 /NDF: 0.0/16

Left Out: 0.400 $\pm$ 0.009 χ^2 /NDF:14.8/2

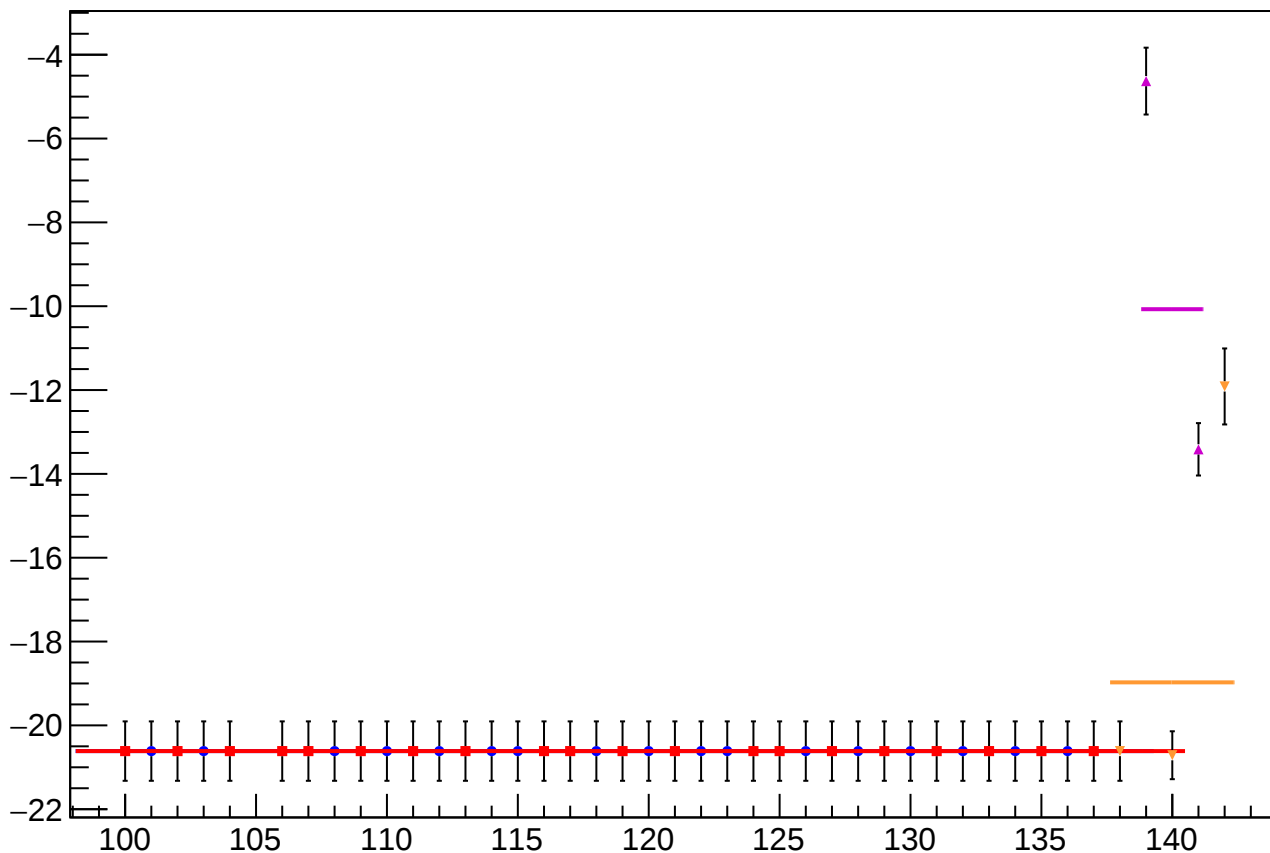
Right Out: 0.351 $\pm$ 0.003 χ^2 /NDF: 0.0/19

Left In: 0.417 $\pm$ 0.010 χ^2 /NDF:0.4/1

0.359 $\pm$ 0.003 χ^2 /NDF: 41.2/19

0.359 $\pm$ 0.003 χ^2 /NDF: 40.4/21

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -20.614 ± 0.172 χ^2/NDF : 0.0/16

Left Out: -18.974 ± 0.399 χ^2/NDF : 75.2/2

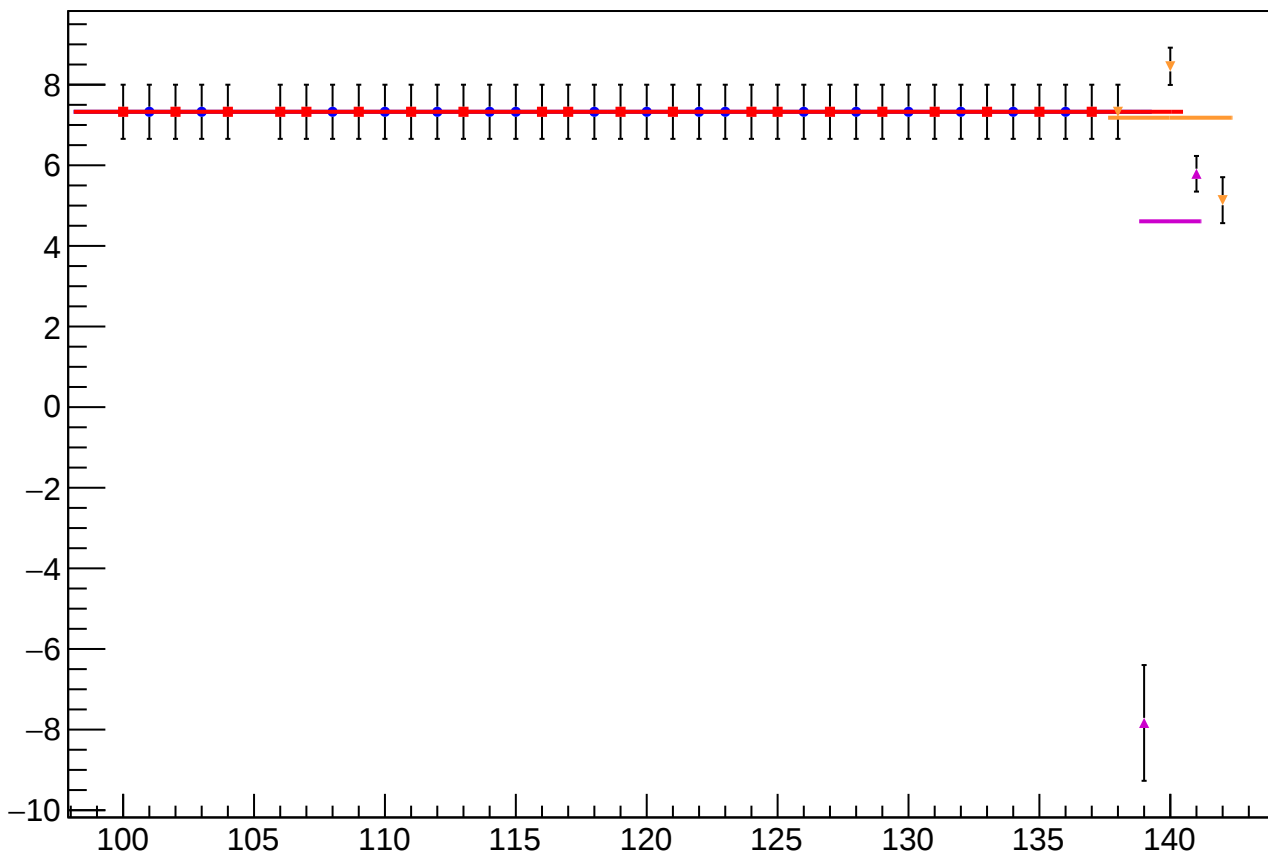
Right Out: -20.614 ± 0.158 χ^2/NDF : 0.0/19

Left In: -10.071 ± 0.492 χ^2/NDF : 75.2/1

-20.357 ± 0.158 χ^2/NDF : 89.5/19

-19.622 ± 0.151 χ^2/NDF : 491.2/21

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 7.327 $\pm$ 0.163 χ^2 /NDF: 0.0/16

Left Out: 7.180 $\pm$ 0.317 χ^2 /NDF:20.5/2

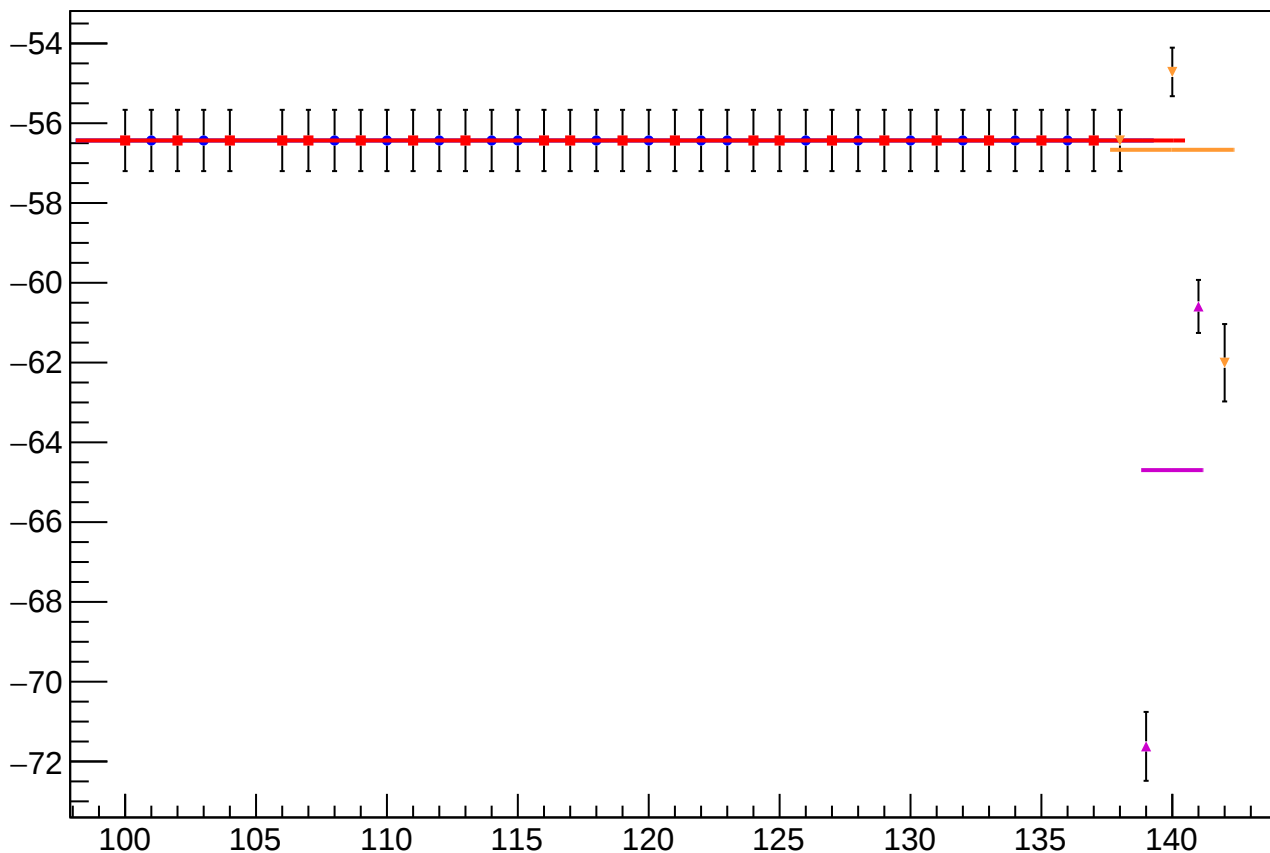
Right Out: 7.327 $\pm$ 0.150 χ^2 /NDF: 0.0/19

Left In: 4.610 $\pm$ 0.422 χ^2 /NDF:82.2/1

7.297 $\pm$ 0.145 χ^2 /NDF: 20.7/19

7.022 $\pm$ 0.142 χ^2 /NDF: 119.0/21

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -56.432 ± 0.186 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -56.666 ± 0.428 $\chi^2/\text{NDF}: 40.7/2$

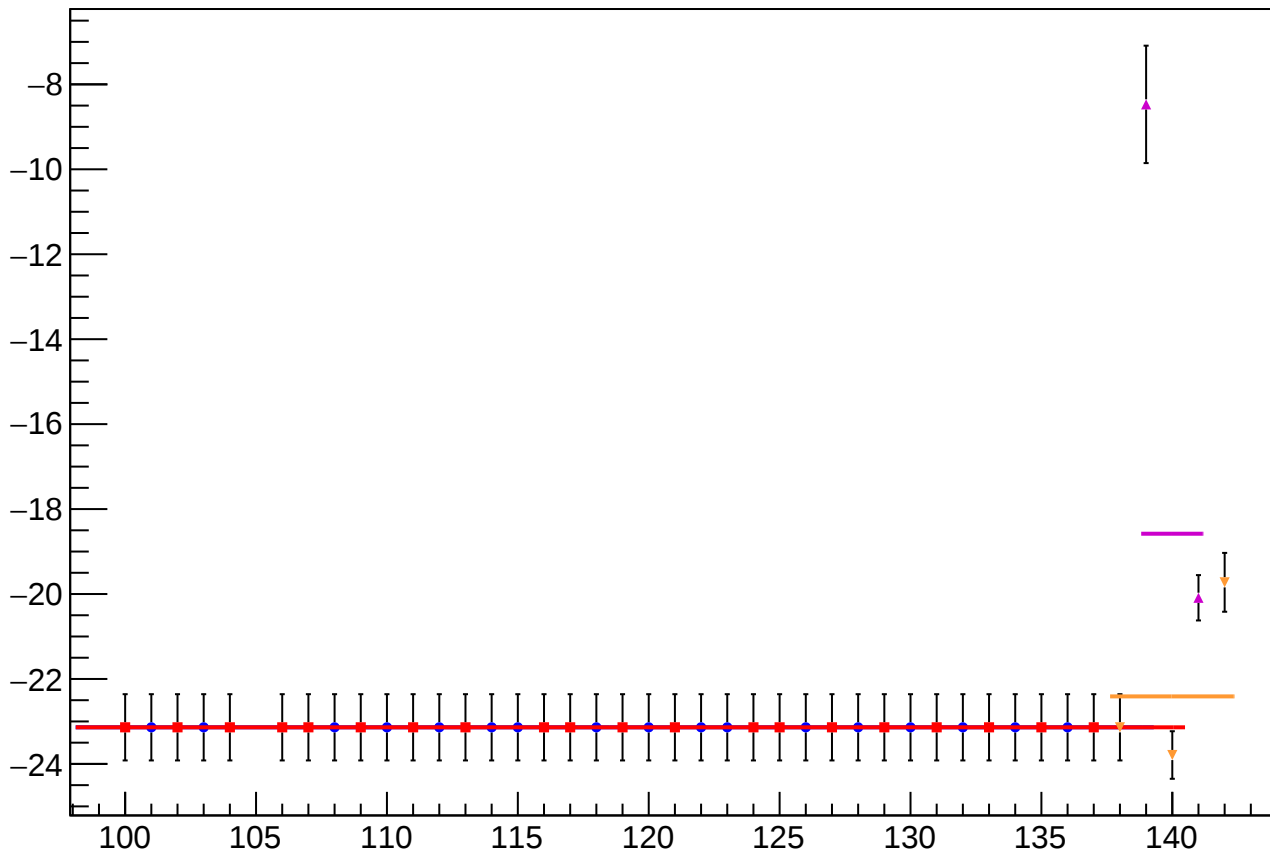
Right Out: -56.432 ± 0.172 $\chi^2/\text{NDF}: 0.0/19$

Left In: -64.696 ± 0.527 $\chi^2/\text{NDF}: 102.4/1$

-56.470 ± 0.171 $\chi^2/\text{NDF}: 40.9/19$

-57.227 ± 0.163 $\chi^2/\text{NDF}: 325.0/21$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -23.138 ± 0.189 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -22.411 ± 0.380 $\chi^2/\text{NDF}: 22.0/2$

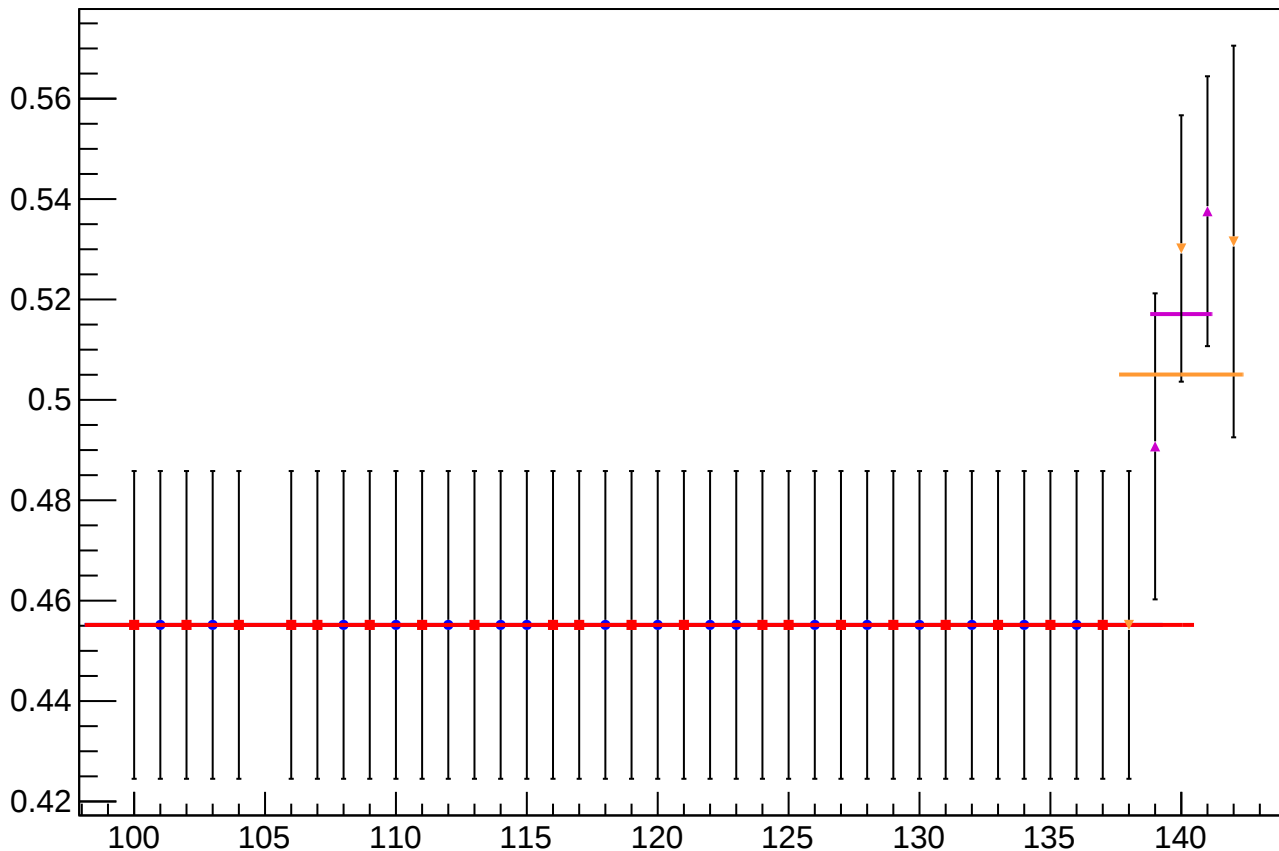
Right Out: -23.138 ± 0.174 $\chi^2/\text{NDF}: 0.0/19$

Left In: -18.580 ± 0.498 $\chi^2/\text{NDF}: 61.5/1$

-22.994 ± 0.169 $\chi^2/\text{NDF}: 24.9/19$

-22.640 ± 0.165 $\chi^2/\text{NDF}: 136.1/21$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.455 $\pm$ 0.007 χ^2 /NDF: 0.0/16

Left Out: 0.505 $\pm$ 0.018 χ^2 /NDF: 4.0/2

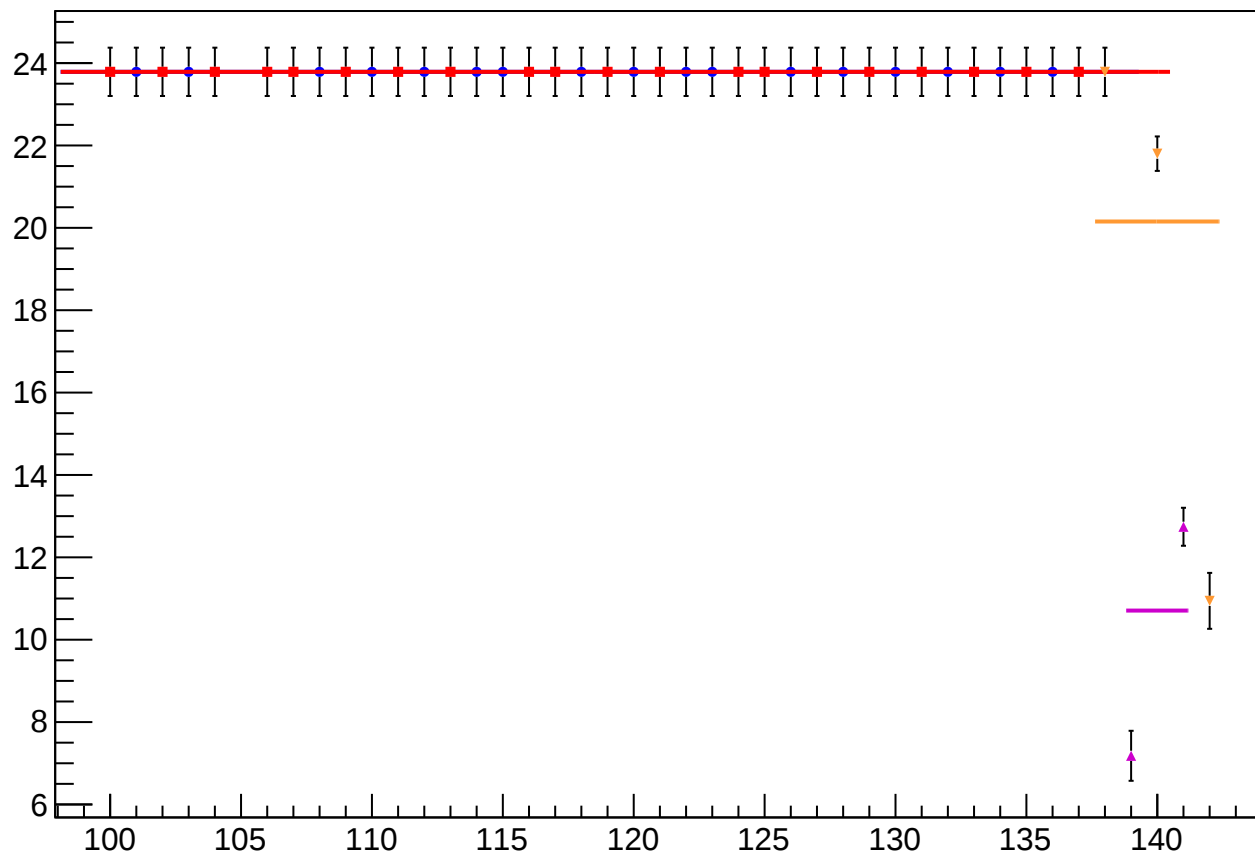
Right Out: 0.455 $\pm$ 0.007 χ^2 /NDF: 0.0/19

Left In: 0.517 $\pm$ 0.020 χ^2 /NDF: 1.3/1

0.463 $\pm$ 0.007 χ^2 /NDF: 10.7/19

0.462 $\pm$ 0.006 χ^2 /NDF: 9.8/21

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 23.788 $\pm$ 0.142 χ^2 /NDF: 0.0/16

Left Out: 20.154 $\pm$ 0.304 χ^2 /NDF:237.8/2

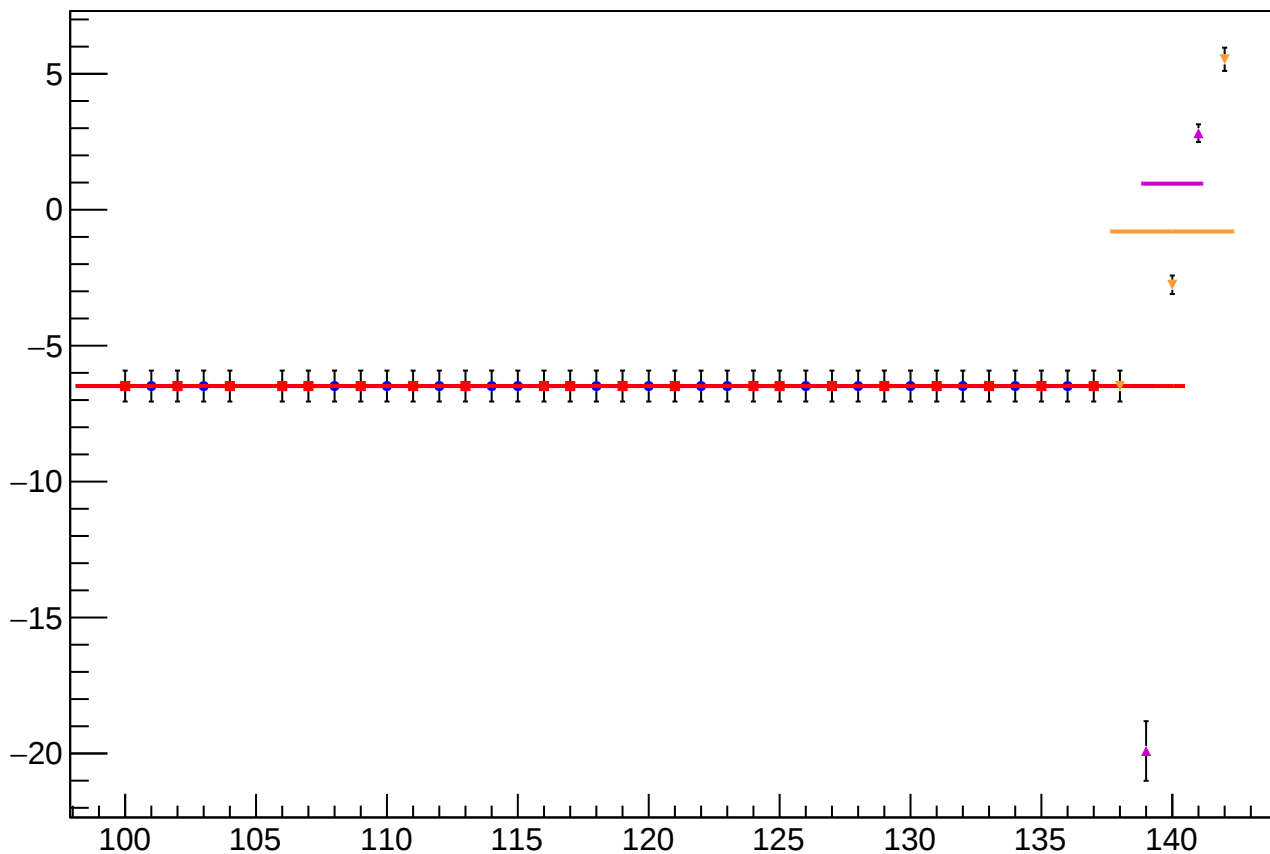
Right Out: 23.788 $\pm$ 0.131 χ^2 /NDF: 0.0/19

Left In: 10.707 $\pm$ 0.367 χ^2 /NDF:53.2/1

23.136 $\pm$ 0.129 χ^2 /NDF: 354.8/19

22.307 $\pm$ 0.124 χ^2 /NDF: 1178.6/21

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -6.485+/-0.138 χ^2/NDF : 0.0/16

Left Out: -0.800+/-0.241 χ^2/NDF : 351.9/2

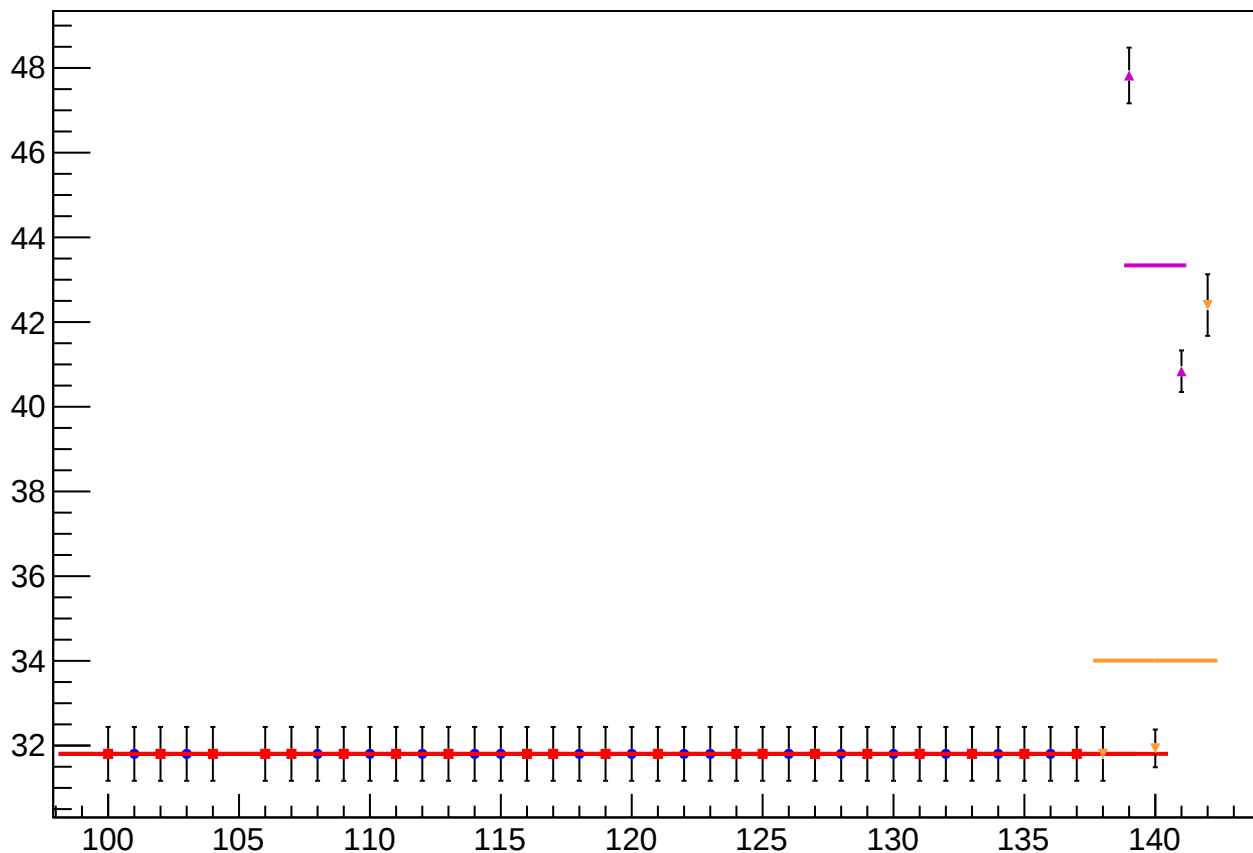
Right Out: -6.485+/-0.127 χ^2/NDF : 0.0/19

Left In: 0.961+/-0.313 χ^2/NDF : 394.5/1

-5.082+/-0.120 χ^2/NDF : 771.0/19

-5.431+/-0.118 χ^2/NDF : 879.3/21

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 31.804+/-0.154 χ^2/NDF : 0.0/16

Left Out: 34.006+/-0.326 χ^2/NDF :167.1/2

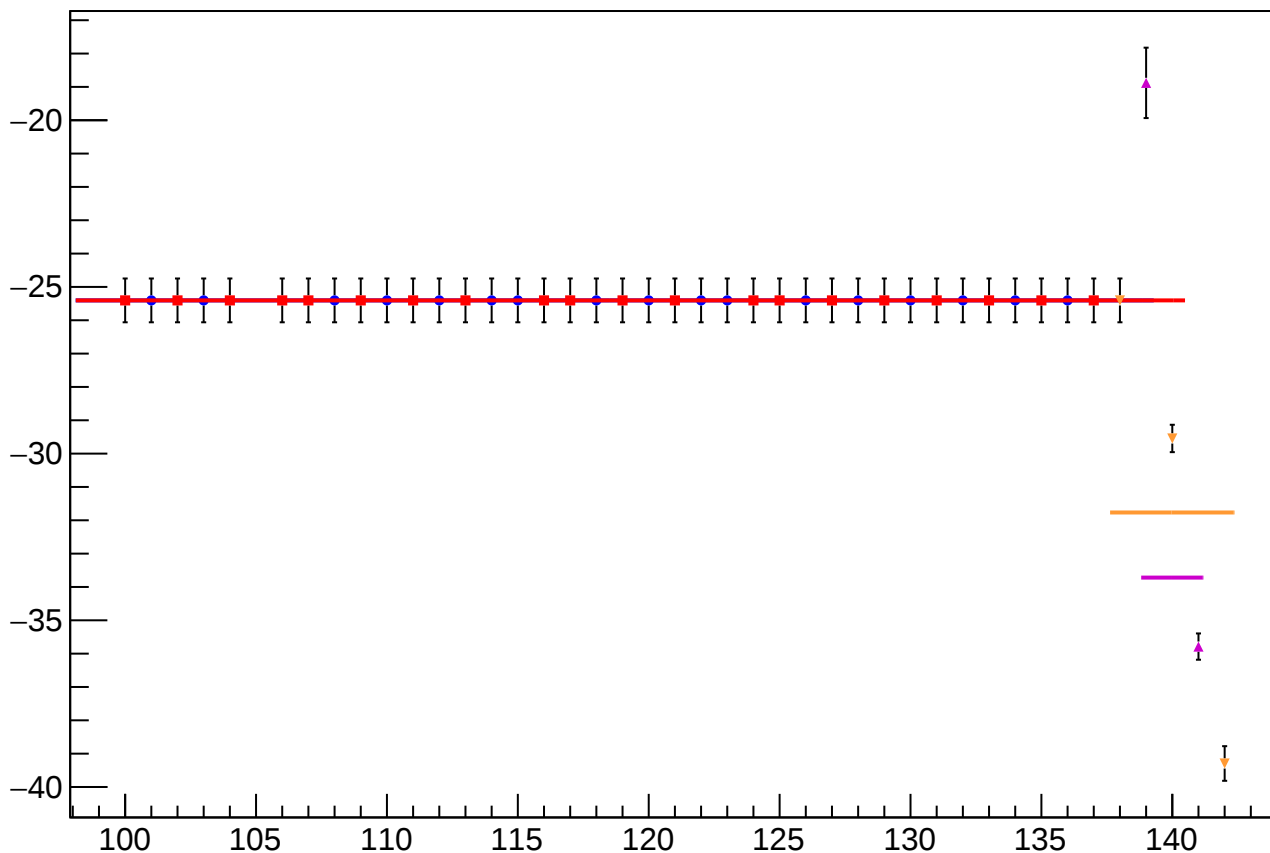
Right Out: 31.804+/-0.142 χ^2/NDF : 0.0/19

Left In: 43.338+/-0.393 χ^2/NDF :72.6/1

32.206+/-0.139 χ^2/NDF : 204.3/19

33.139+/-0.134 χ^2/NDF : 834.5/21

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -25.404 $\pm$ 0.159 χ^2/NDF : 0.0/16

Left Out: -31.766 $\pm$ 0.289 χ^2/NDF : 333.1/2

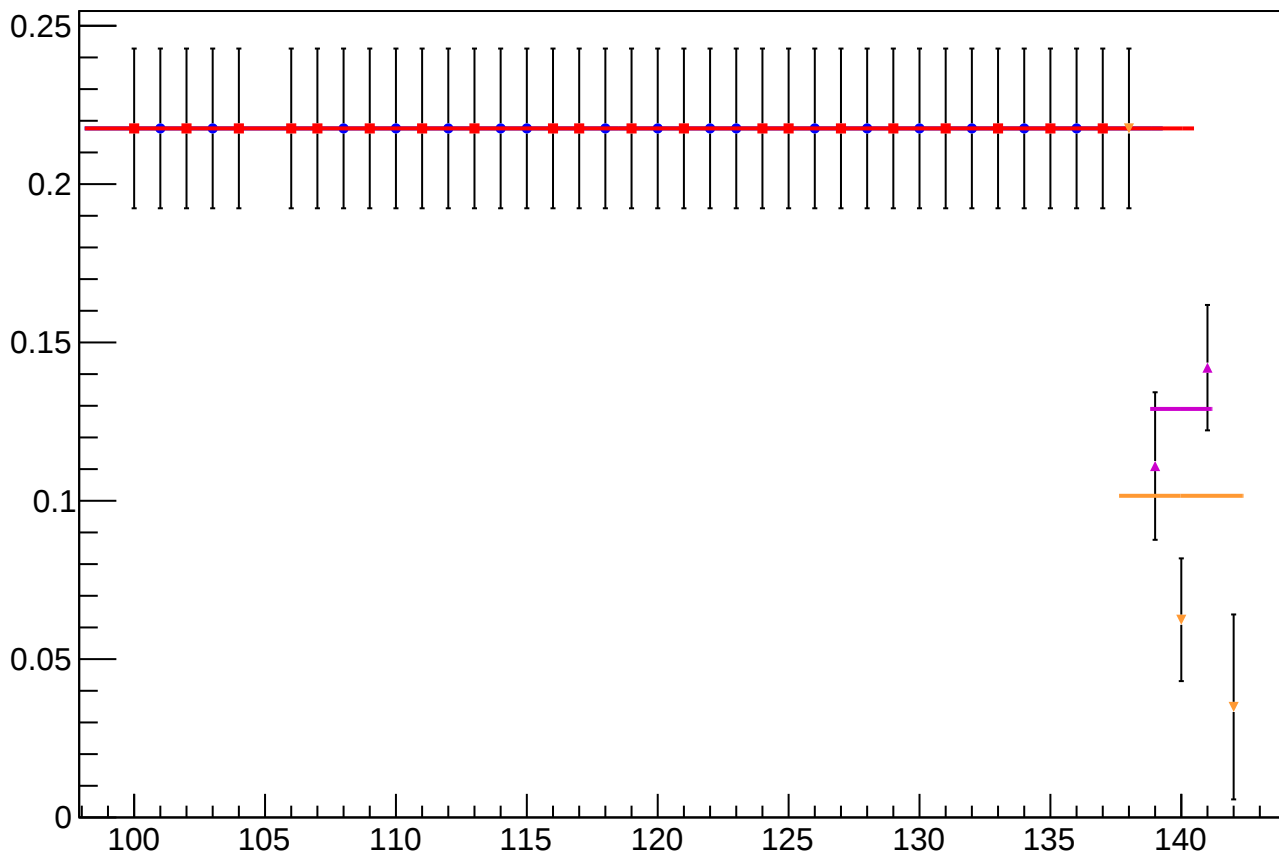
Right Out: -25.404 $\pm$ 0.147 χ^2/NDF : 0.0/19

Left In: -33.719 $\pm$ 0.369 χ^2/NDF : 225.1/1

-26.885 $\pm$ 0.140 χ^2/NDF : 704.3/19

-26.540 $\pm$ 0.137 χ^2/NDF : 662.7/21

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.218 $\pm$ 0.006 χ^2 /NDF: 0.0/16

Left Out: 0.102 $\pm$ 0.014 χ^2 /NDF:30.5/2

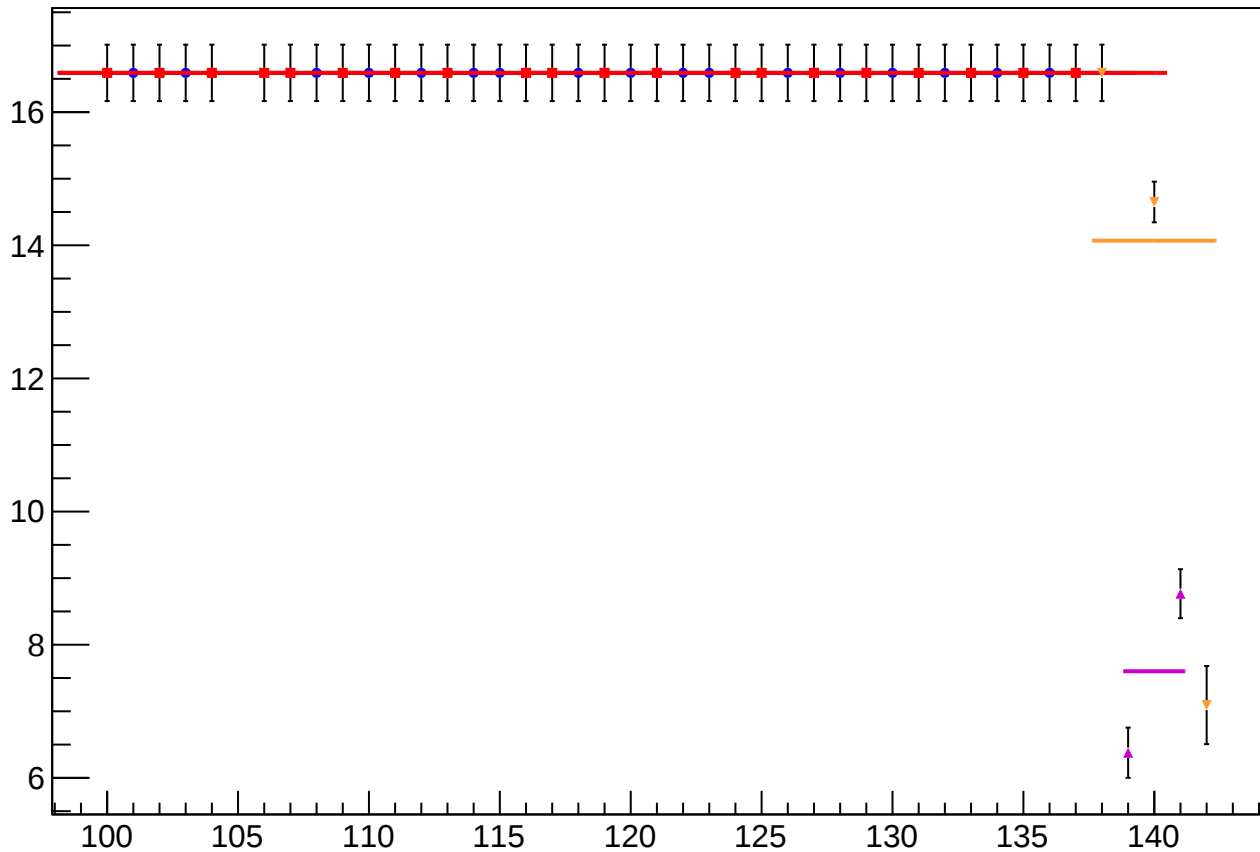
Right Out: 0.218 $\pm$ 0.006 χ^2 /NDF: 0.0/19

Left In: 0.129 $\pm$ 0.015 χ^2 /NDF:1.0/1

0.198 $\pm$ 0.006 χ^2 /NDF: 91.0/19

0.207 $\pm$ 0.005 χ^2 /NDF: 31.3/21

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 16.590 $\pm$ 0.103 χ^2 /NDF: 0.0/16

Left Out: 14.070 $\pm$ 0.228 χ^2 /NDF:180.4/2

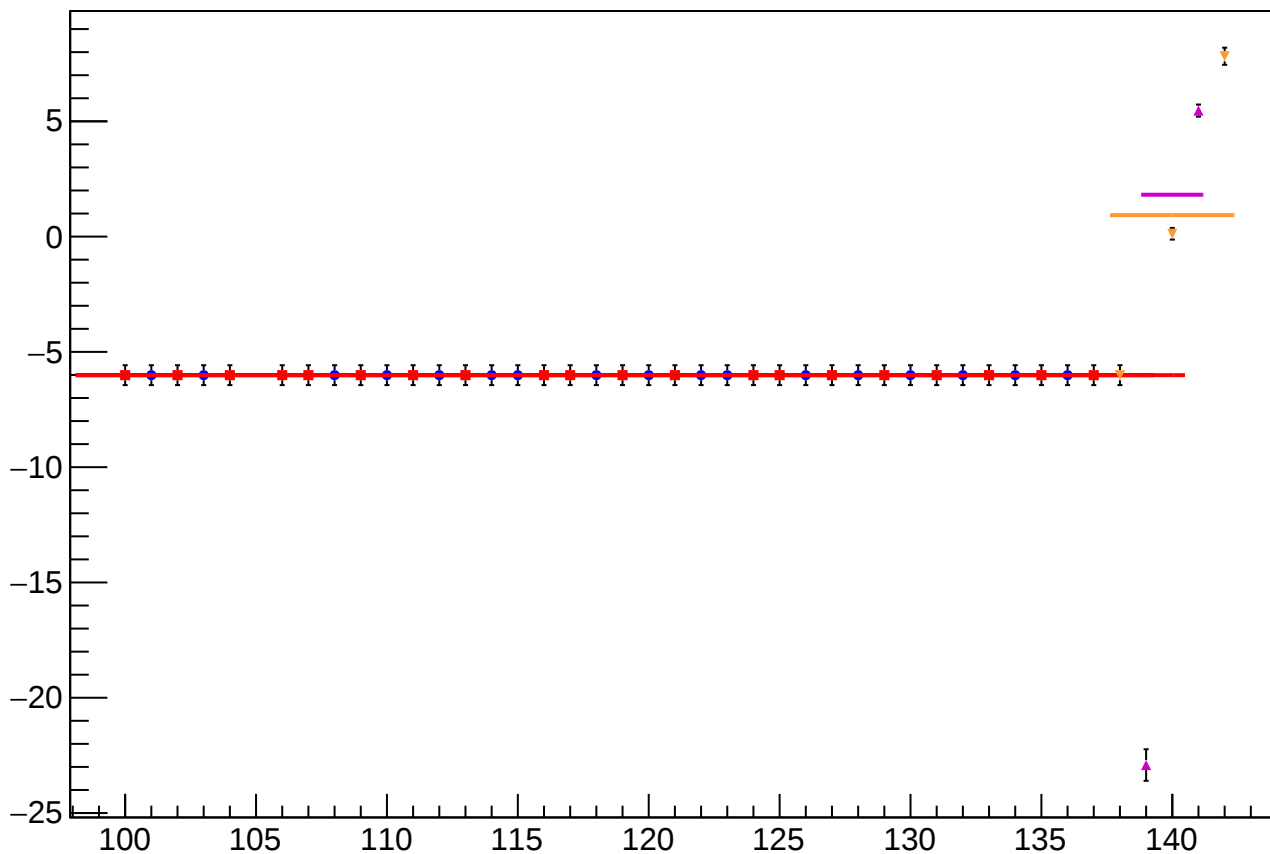
Right Out: 16.590 $\pm$ 0.095 χ^2 /NDF: 0.0/19

Left In: 7.602 $\pm$ 0.263 χ^2 /NDF:20.6/1

16.165 $\pm$ 0.094 χ^2 /NDF: 281.8/19

15.559 $\pm$ 0.089 χ^2 /NDF: 1053.0/21

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -6.009 $\pm$ 0.105 χ^2 /NDF: 0.0/16

Left Out: 0.932 $\pm$ 0.188 χ^2 /NDF:613.1/2

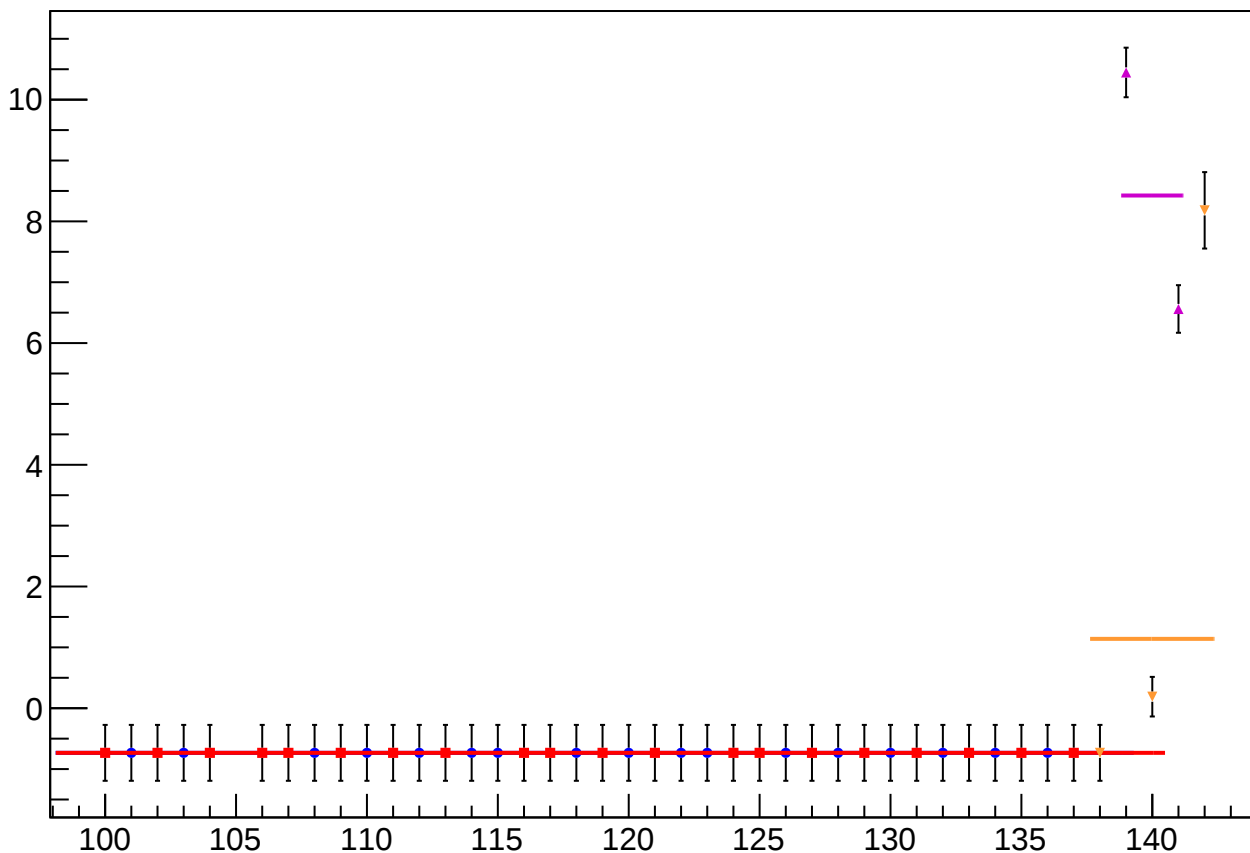
Right Out: -6.009 $\pm$ 0.096 χ^2 /NDF: 0.0/19

Left In: 1.815 $\pm$ 0.245 χ^2 /NDF:1498.9/1

-4.368 $\pm$ 0.091 χ^2 /NDF: 1652.9/19

-4.962 $\pm$ 0.090 χ^2 /NDF: 2379.3/21

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.733 $\pm$ 0.111 χ^2 /NDF: 0.0/16

Left Out: 1.140 $\pm$ 0.245 χ^2 /NDF:150.9/2

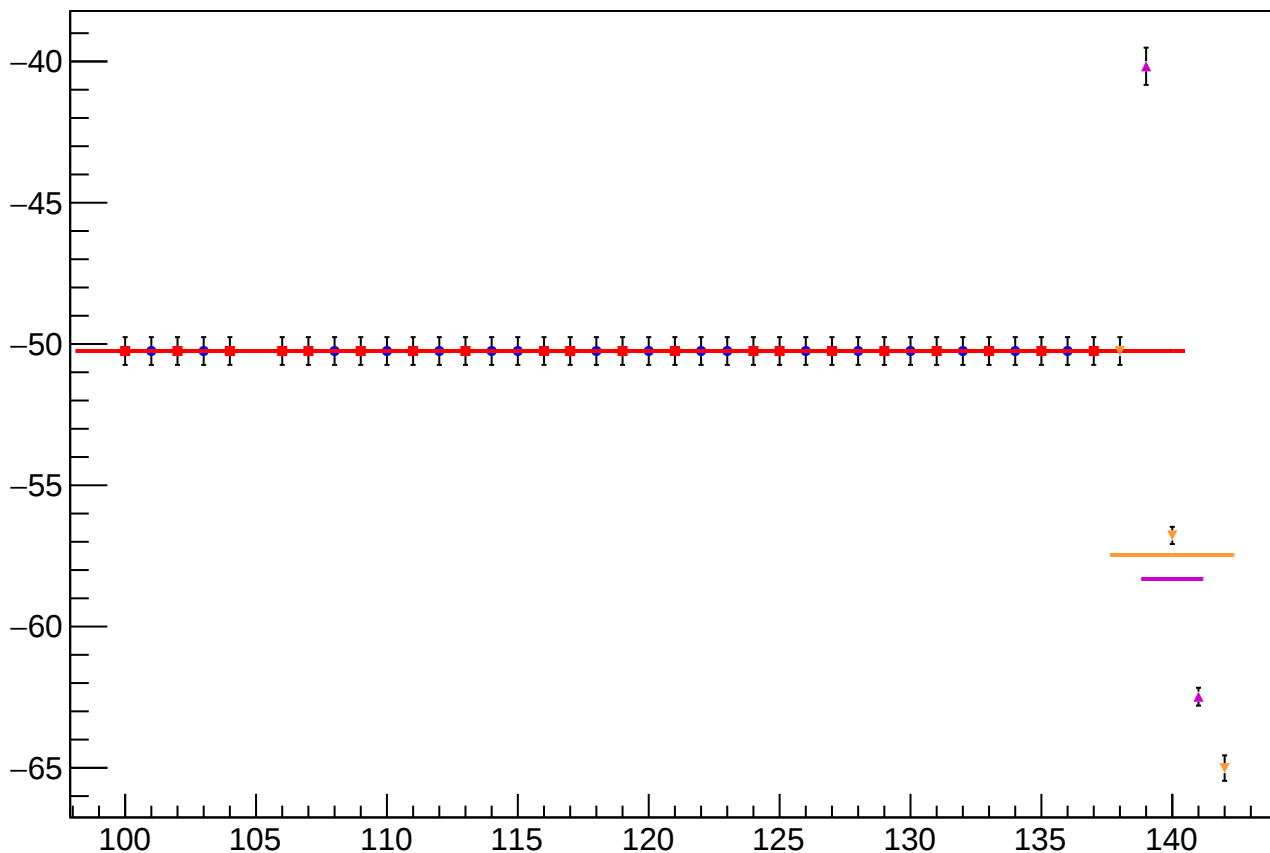
Right Out: -0.733 $\pm$ 0.103 χ^2 /NDF: 0.0/19

Left In: 8.425 $\pm$ 0.282 χ^2 /NDF:47.4/1

-0.411 $\pm$ 0.101 χ^2 /NDF: 199.5/19

0.339 $\pm$ 0.097 χ^2 /NDF: 978.0/21

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -50.248 ± 0.119 χ^2/NDF : 0.0/16

Left Out: -57.467 ± 0.224 χ^2/NDF : 502.2/2

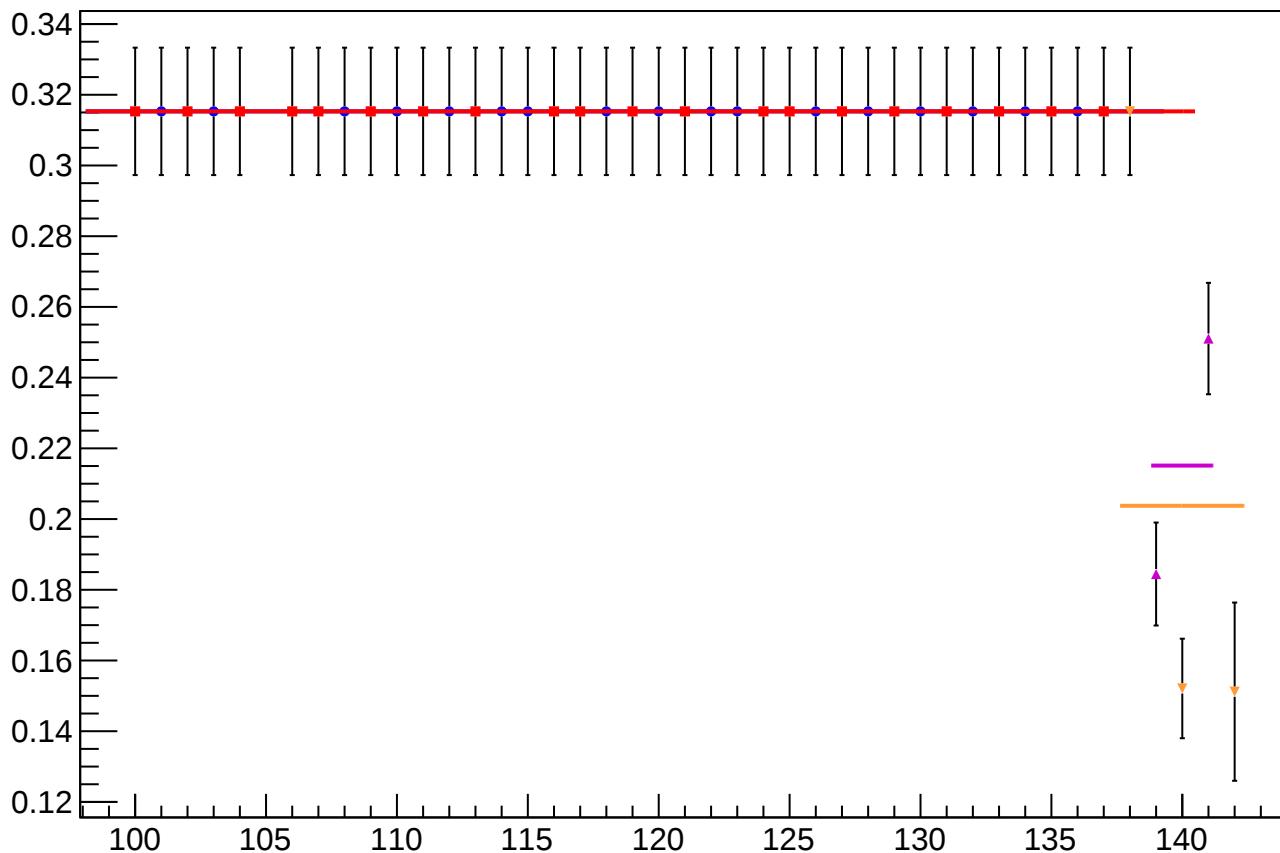
Right Out: -50.248 ± 0.110 χ^2/NDF : 0.0/19

Left In: -58.316 ± 0.285 χ^2/NDF : 931.1/1

-51.837 ± 0.105 χ^2/NDF : 1308.8/19

-51.293 ± 0.103 χ^2/NDF : 1629.0/21

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.315 ± 0.004 χ^2/NDF : 0.0/16

Left Out: 0.204 ± 0.010 χ^2/NDF : 56.2/2

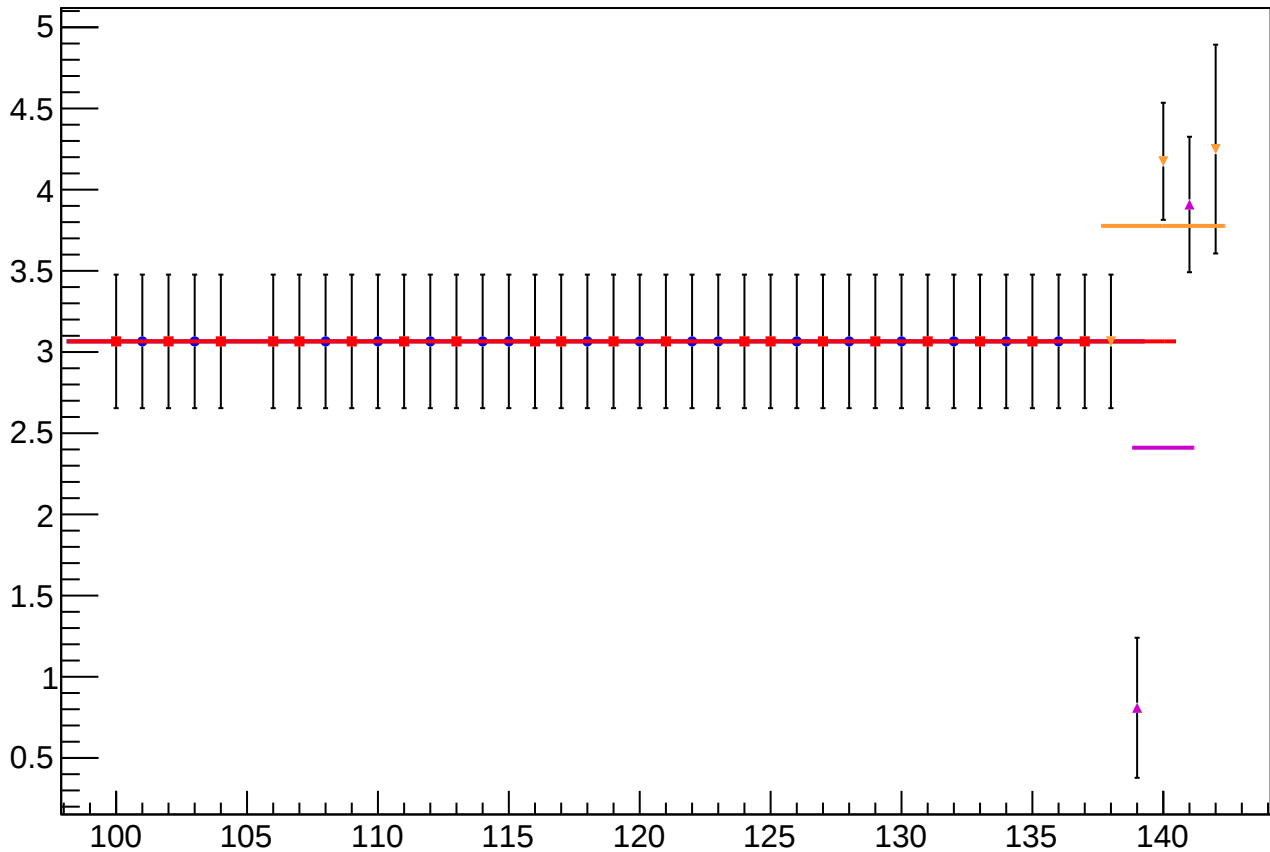
Right Out: 0.315 ± 0.004 χ^2/NDF : 0.0/19

Left In: 0.215 ± 0.011 χ^2/NDF : 9.6/1

0.298 ± 0.004 χ^2/NDF : 158.0/19

0.303 ± 0.004 χ^2/NDF : 86.5/21

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 3.066 $\pm$ 0.100 χ^2 /NDF: 0.0/16

Left Out: 3.777 $\pm$ 0.250 χ^2 /NDF: 4.8/2

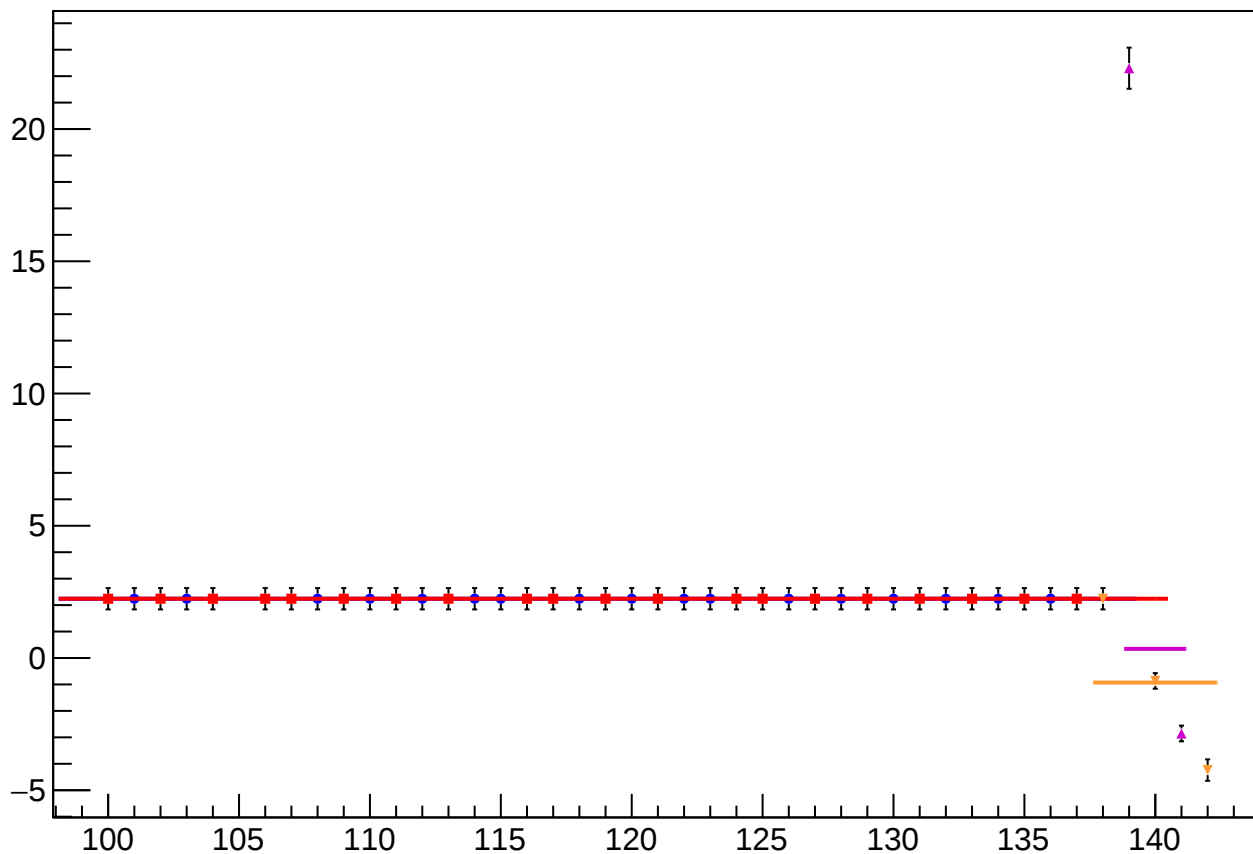
Right Out: 3.066 $\pm$ 0.092 χ^2 /NDF: 0.0/19

Left In: 2.411 $\pm$ 0.300 χ^2 /NDF: 26.7/1

3.163 $\pm$ 0.093 χ^2 /NDF: 11.7/19

3.009 $\pm$ 0.088 χ^2 /NDF: 31.0/21

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 2.241+/-0.098 χ^2/NDF : 0.0/16

Left Out: -0.929+/-0.205 χ^2/NDF : 128.1/2

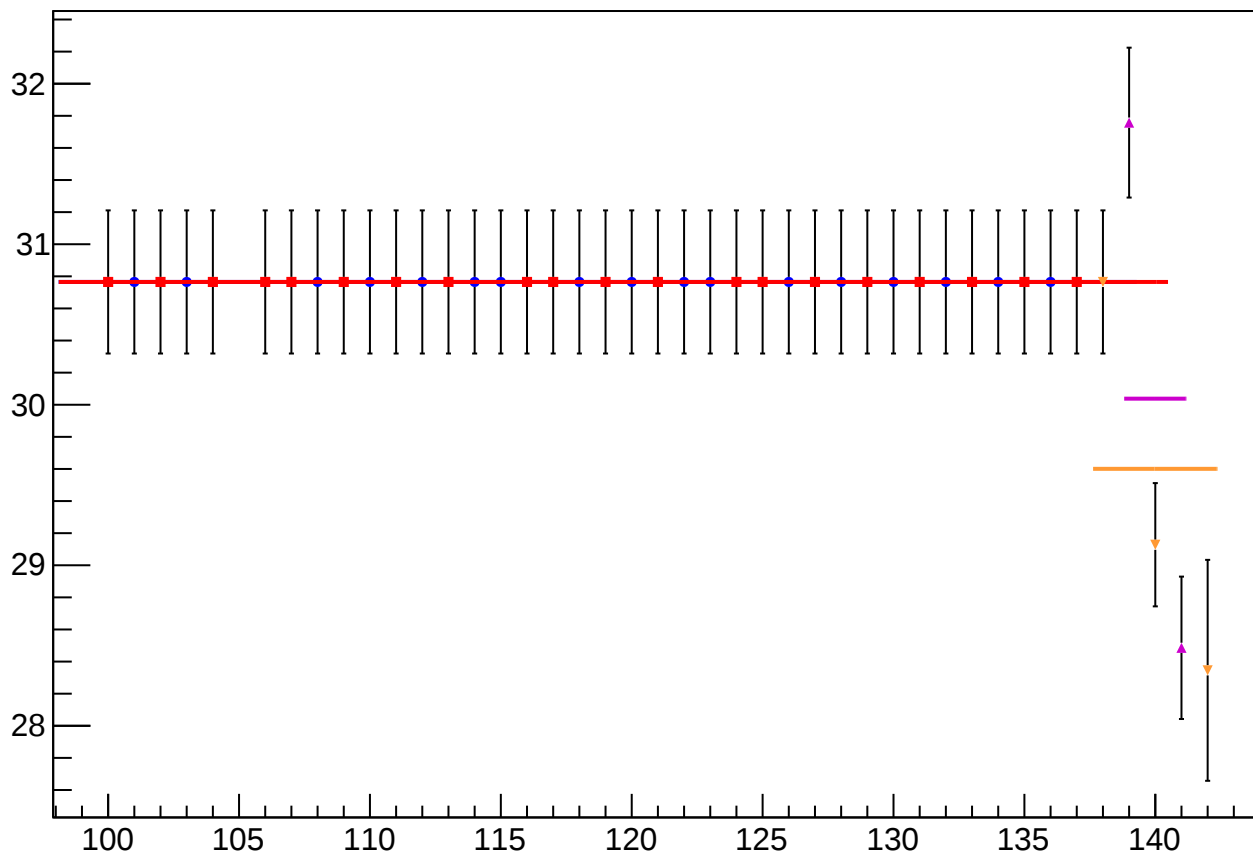
Right Out: 2.241+/-0.090 χ^2/NDF : 0.0/19

Left In: 0.345+/-0.277 χ^2/NDF : 914.4/1

1.653+/-0.088 χ^2/NDF : 321.9/19

2.058+/-0.086 χ^2/NDF : 956.7/21

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 30.765 $\pm$ 0.108 χ^2 /NDF: 0.0/16

Left Out: 29.601 $\pm$ 0.268 χ^2 /NDF:11.7/2

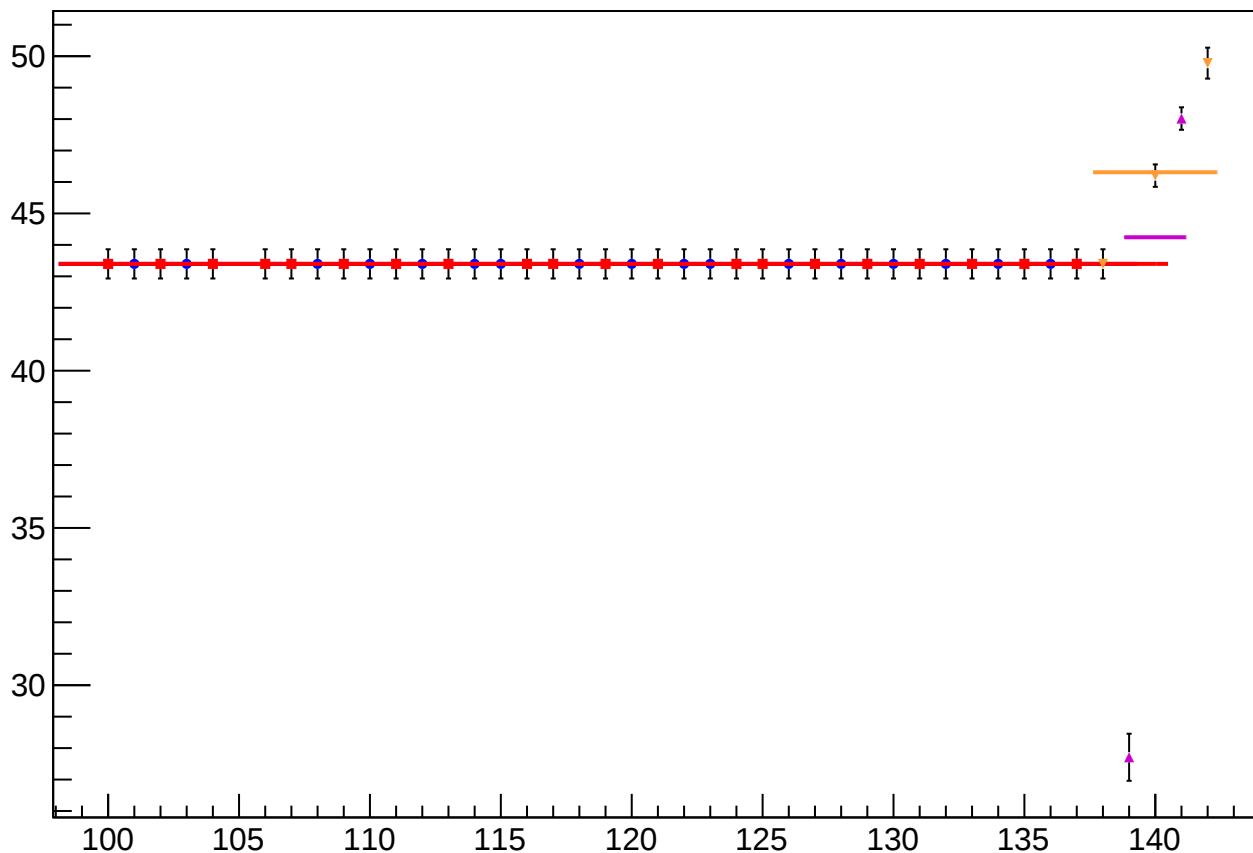
Right Out: 30.765 $\pm$ 0.100 χ^2 /NDF: 0.0/19

Left In: 30.038 $\pm$ 0.322 χ^2 /NDF:25.8/1

30.602 $\pm$ 0.100 χ^2 /NDF: 27.9/19

30.701 $\pm$ 0.095 χ^2 /NDF: 30.5/21

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 43.396+/-0.113 χ^2/NDF : 0.0/16

Left Out: 46.309+/-0.245 χ^2/NDF : 89.1/2

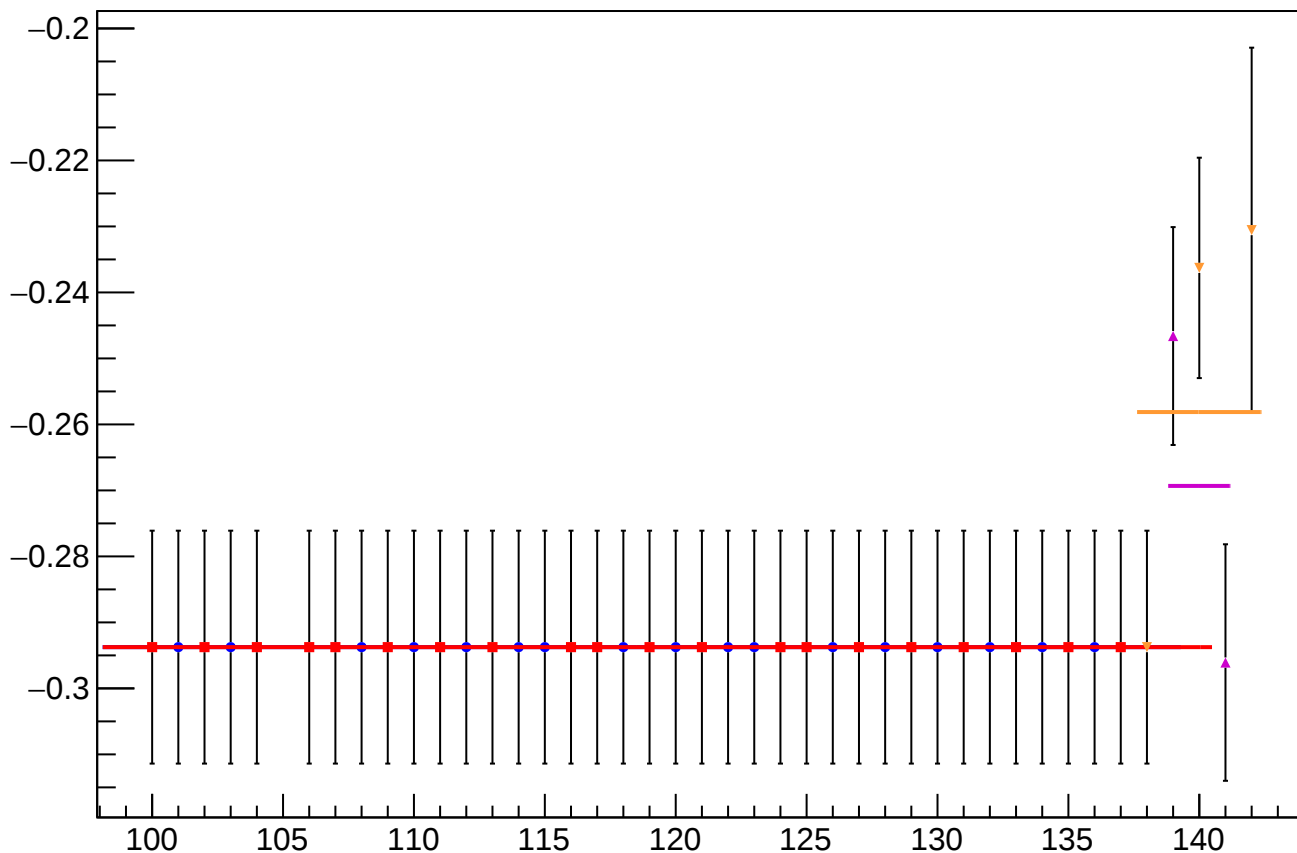
Right Out: 43.396+/-0.104 χ^2/NDF : 0.0/19

Left In: 44.243+/-0.323 χ^2/NDF : 599.7/1

43.904+/-0.102 χ^2/NDF : 205.6/19

43.476+/-0.099 χ^2/NDF : 605.9/21

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.294 $\pm$ 0.004 χ^2 /NDF: 0.0/16

Left Out: -0.258 $\pm$ 0.011 χ^2 /NDF: 6.8/2

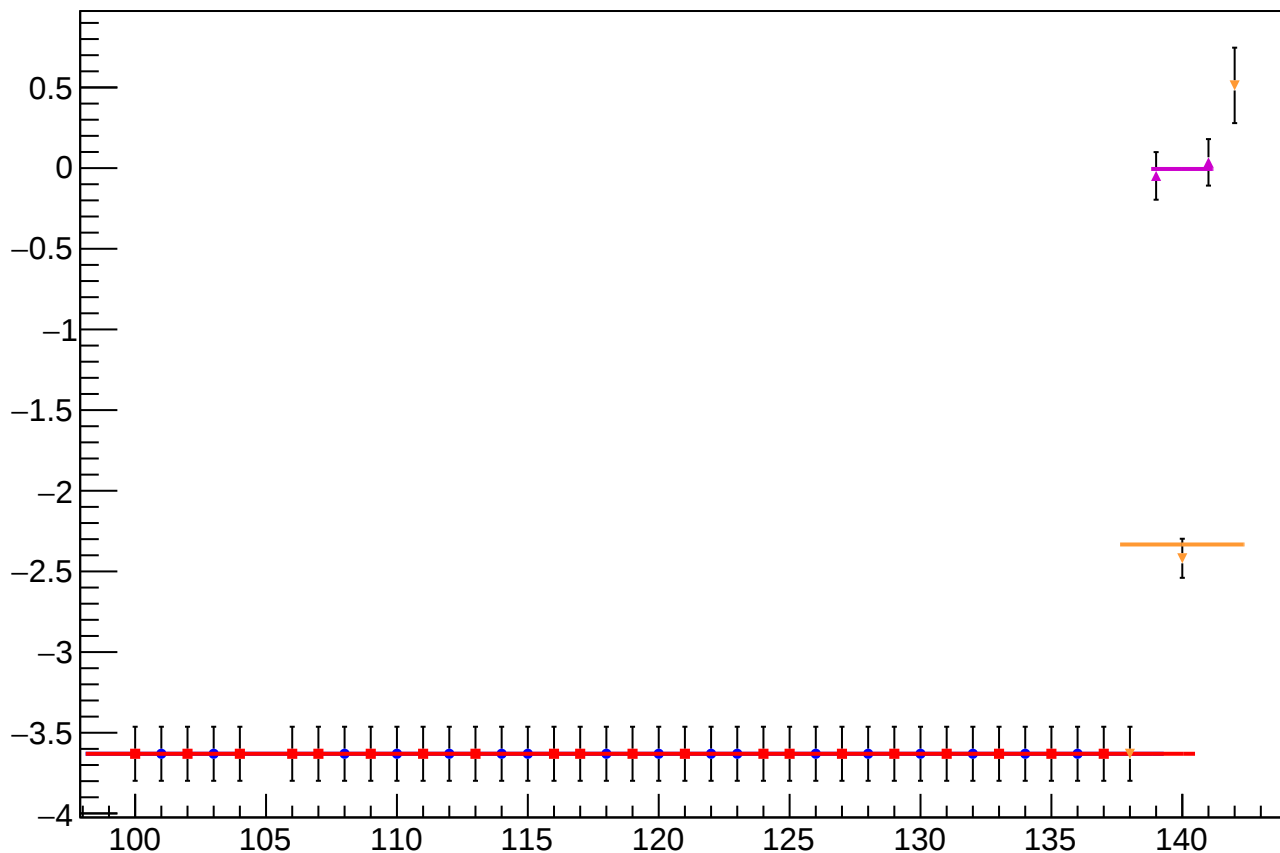
Right Out: -0.294 $\pm$ 0.004 χ^2 /NDF: 0.0/19

Left In: -0.269 $\pm$ 0.012 χ^2 /NDF: 4.1/1

-0.289 $\pm$ 0.004 χ^2 /NDF: 15.7/19

-0.291 $\pm$ 0.004 χ^2 /NDF: 7.8/21

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -3.630+/-0.041 χ^2/NDF : 0.0/16

Left Out: -2.333+/-0.091 χ^2/NDF : 208.6/2

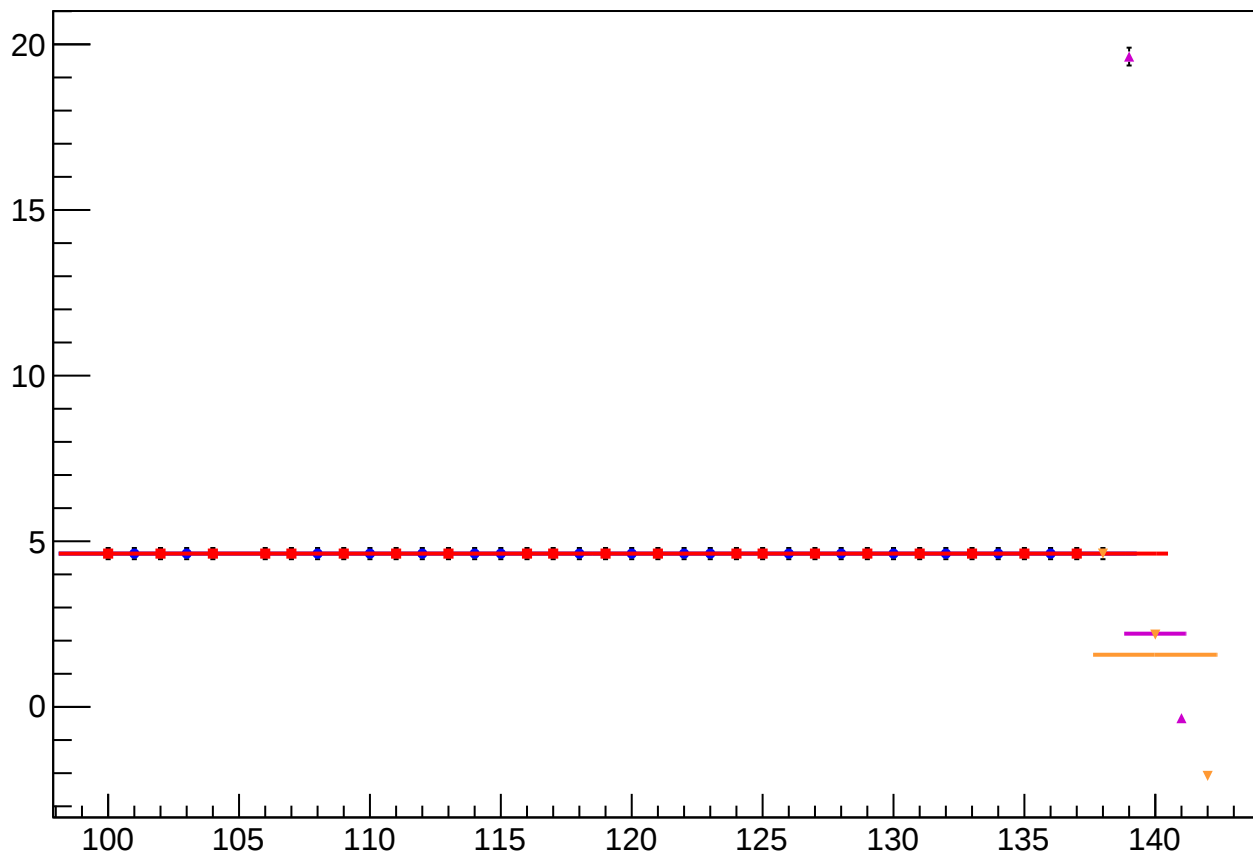
Right Out: -3.630+/-0.037 χ^2/NDF : 0.0/19

Left In: -0.005+/-0.103 χ^2/NDF : 0.2/1

-3.413+/-0.037 χ^2/NDF : 379.6/19

-3.208+/-0.035 χ^2/NDF : 1091.8/21

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 4.628 $\pm$ 0.041 χ^2 /NDF: 0.0/16

Left Out: 1.575 $\pm$ 0.074 χ^2 /NDF: 974.4/2

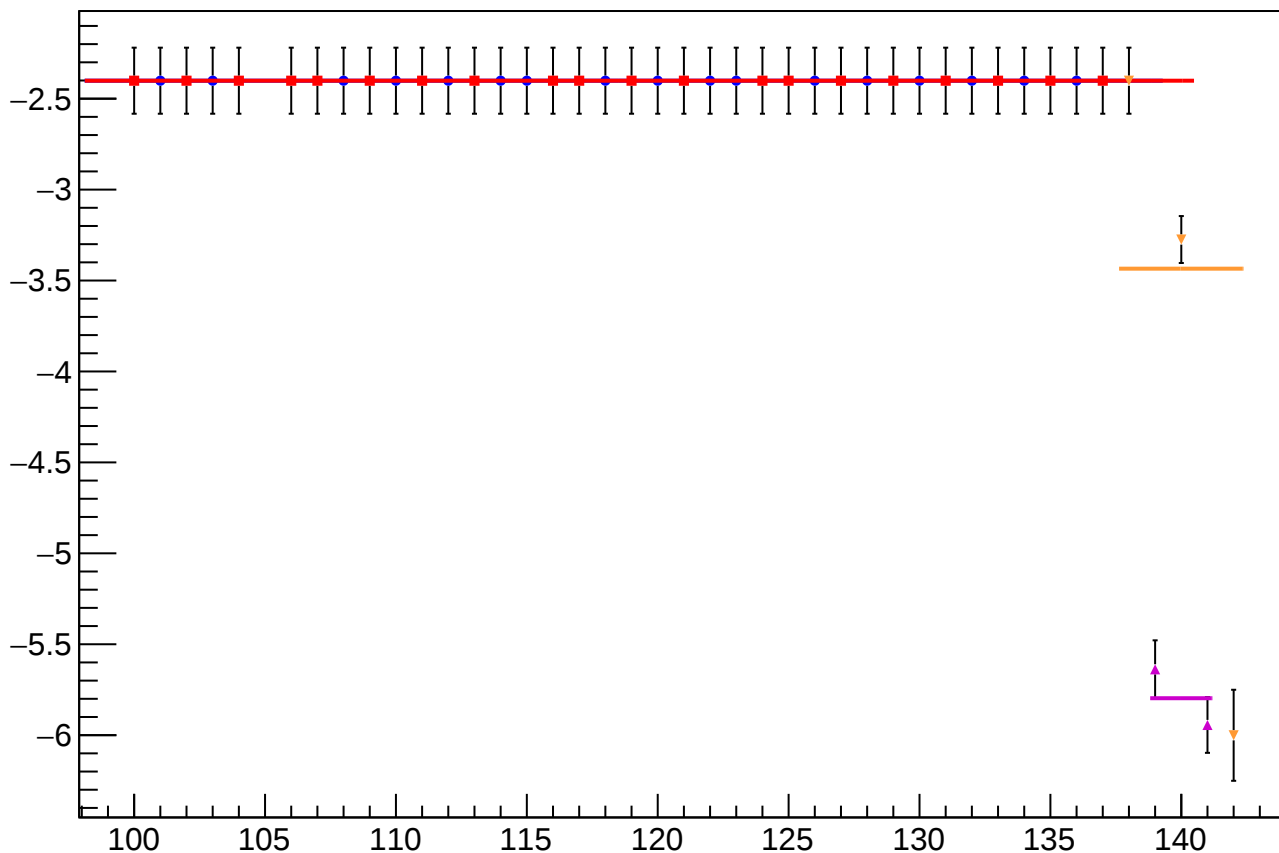
Right Out: 4.628 $\pm$ 0.038 χ^2 /NDF: 0.0/19

Left In: 2.211 $\pm$ 0.096 χ^2 /NDF: 4807.2/1

3.917 $\pm$ 0.036 χ^2 /NDF: 2264.1/19

4.304 $\pm$ 0.035 χ^2 /NDF: 5354.6/21

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.401 ± 0.044 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -3.435 ± 0.097 $\chi^2/\text{NDF}: 139.0/2$

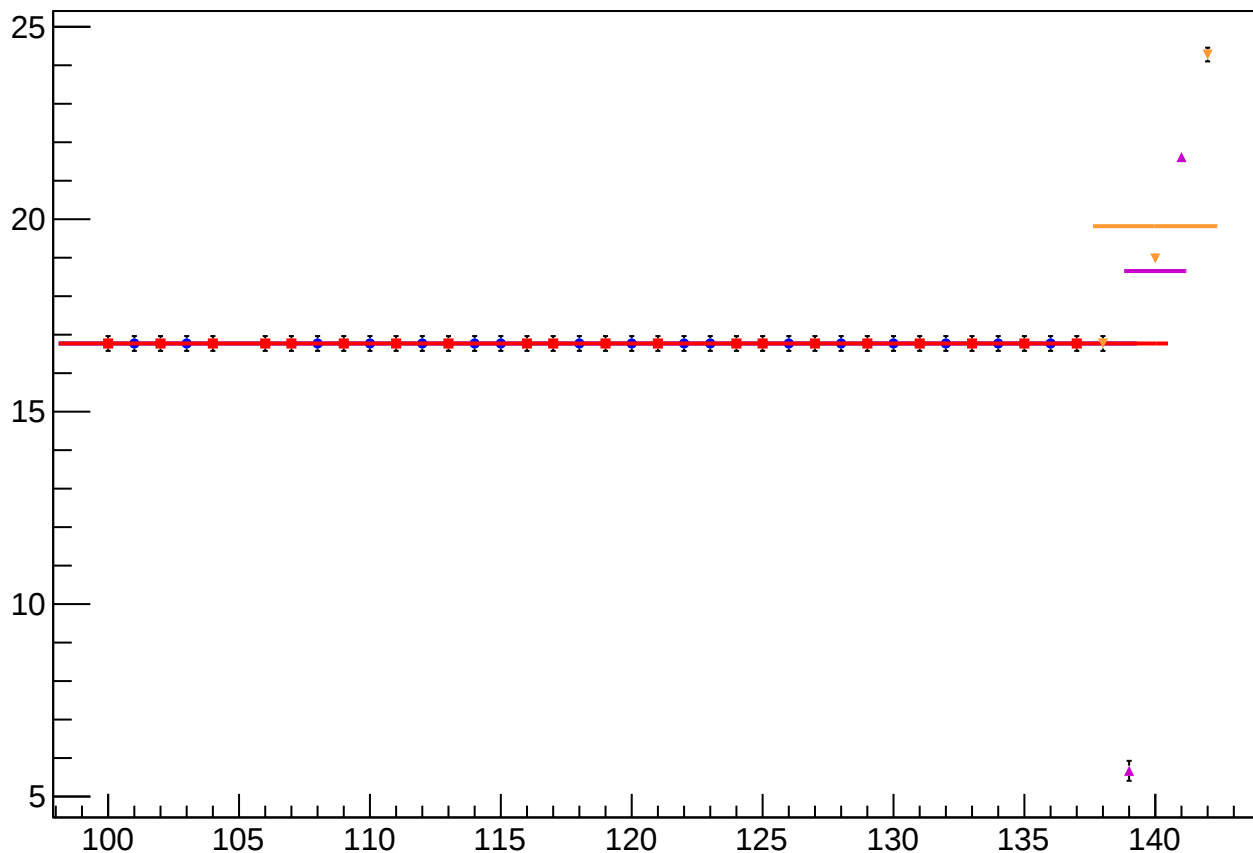
Right Out: -2.401 ± 0.041 $\chi^2/\text{NDF}: 0.0/19$

Left In: -5.797 ± 0.110 $\chi^2/\text{NDF}: 1.9/1$

-2.578 ± 0.040 $\chi^2/\text{NDF}: 233.2/19$

-2.805 ± 0.038 $\chi^2/\text{NDF}: 834.0/21$

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 16.771 $\pm$ 0.047 χ^2 /NDF: 0.0/16

Left Out: 19.819 $\pm$ 0.089 χ^2 /NDF: 917.3/2

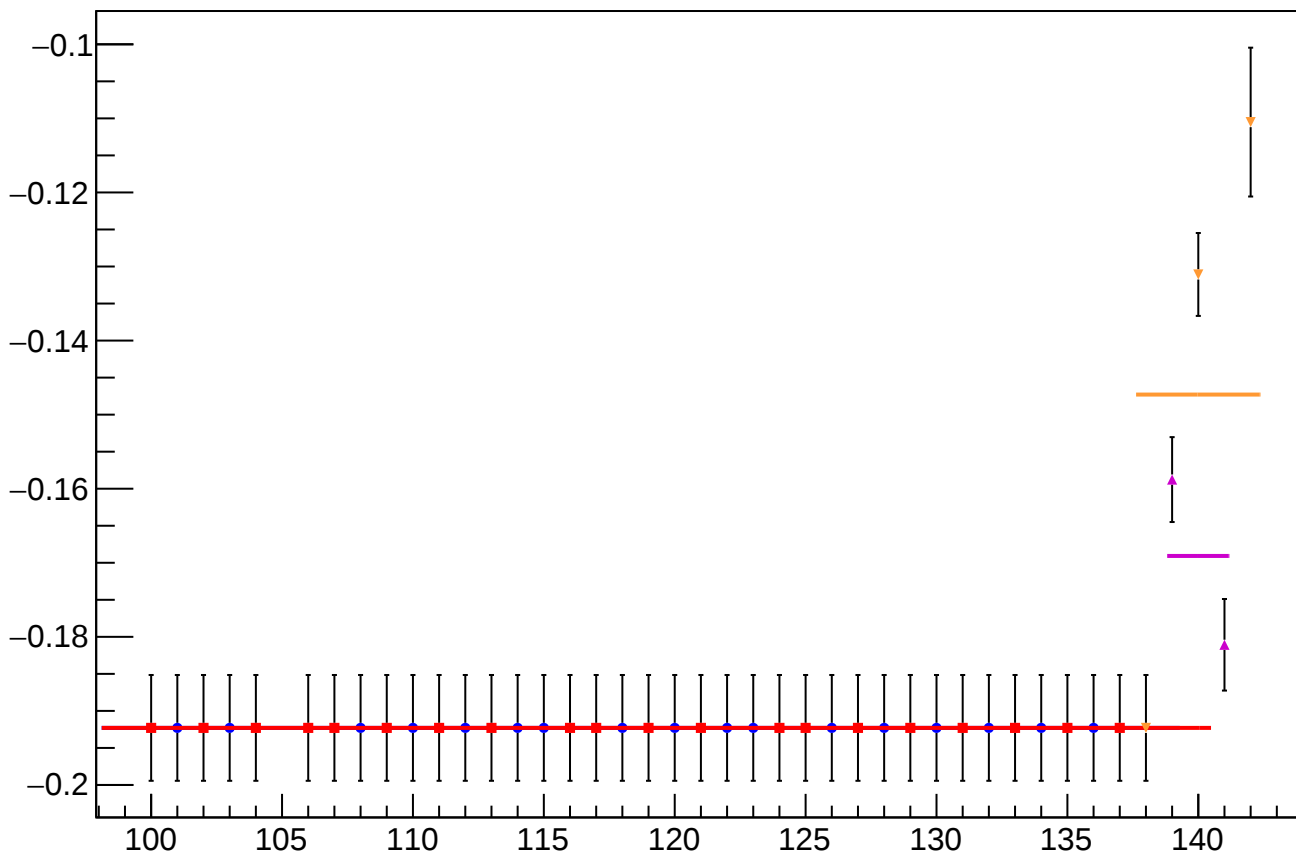
Right Out: 16.771 $\pm$ 0.043 χ^2 /NDF: 0.0/19

Left In: 18.654 $\pm$ 0.112 χ^2 /NDF: 3079.9/1

17.433 $\pm$ 0.041 χ^2 /NDF: 1836.7/19

17.016 $\pm$ 0.040 χ^2 /NDF: 3327.0/21

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.192 $\pm$ 0.002 χ^2 /NDF: 0.0/16

Left Out: -0.147 $\pm$ 0.004 χ^2 /NDF: 61.5/2

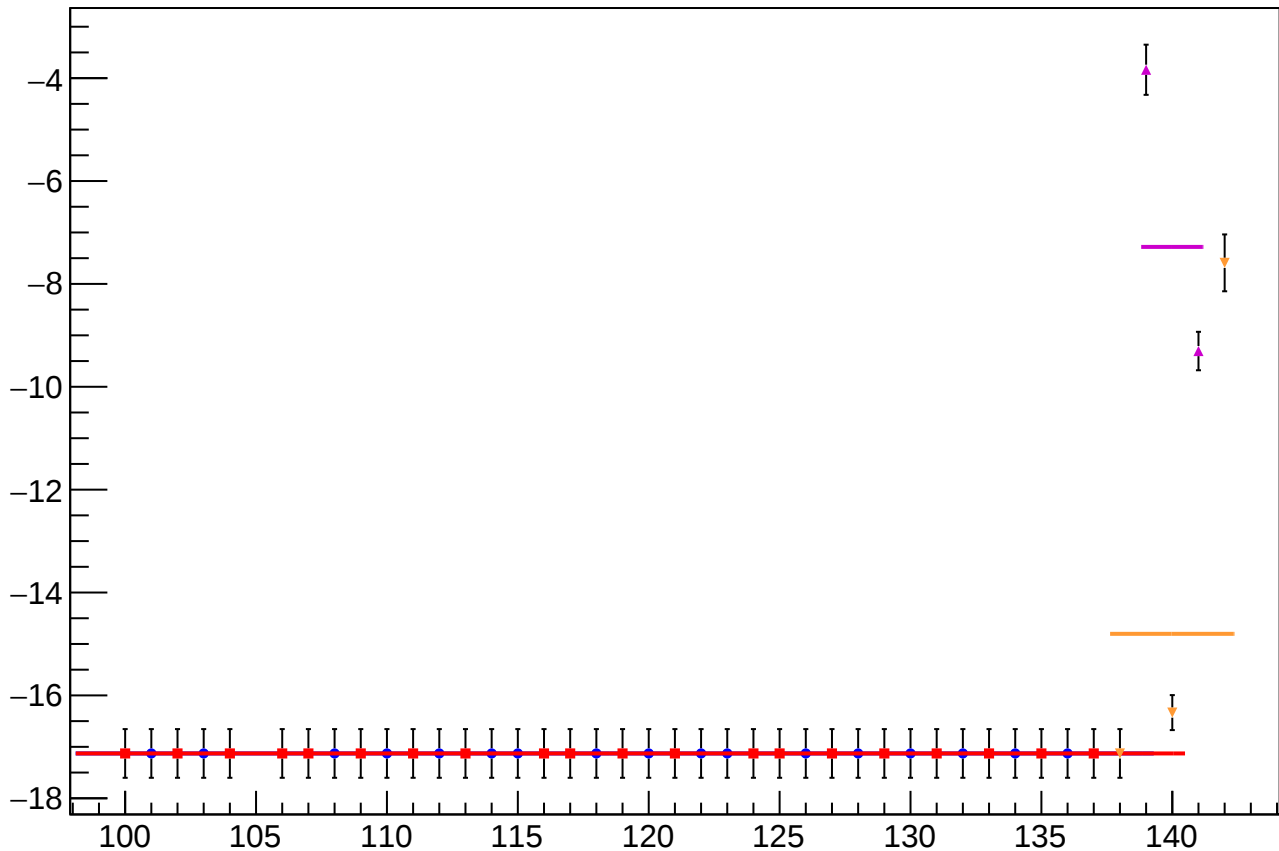
Right Out: -0.192 $\pm$ 0.002 χ^2 /NDF: 0.0/19

Left In: -0.169 $\pm$ 0.004 χ^2 /NDF: 7.0/1

-0.185 $\pm$ 0.002 χ^2 /NDF: 166.5/19

-0.189 $\pm$ 0.001 χ^2 /NDF: 33.7/21

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -17.128 ± 0.115 χ^2/NDF : 0.0/16

Left Out: -14.803 ± 0.247 χ^2/NDF : 214.7/2

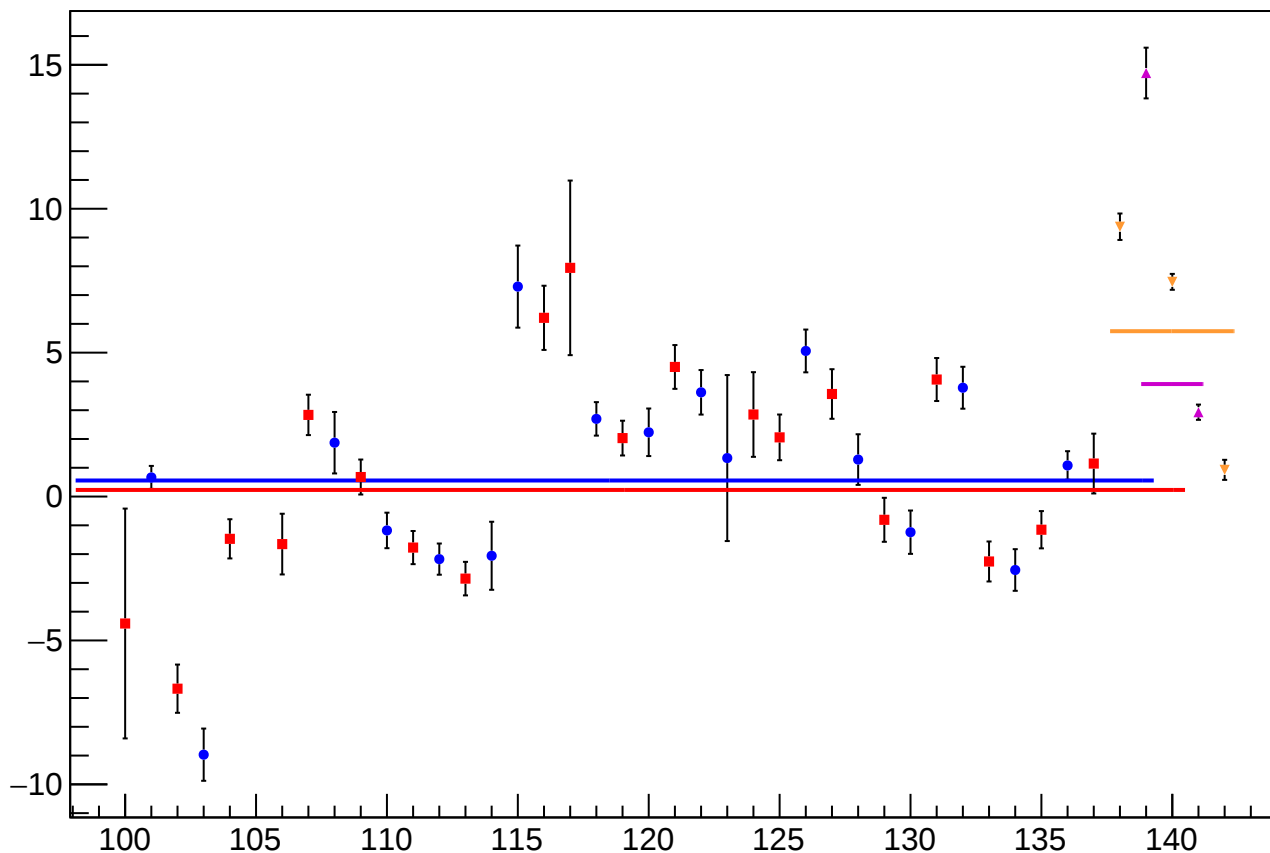
Right Out: -17.128 ± 0.106 χ^2/NDF : 0.0/19

Left In: -7.281 ± 0.297 χ^2/NDF : 79.2/1

-16.715 ± 0.104 χ^2/NDF : 287.5/19

-16.016 ± 0.100 χ^2/NDF : 1056.2/21

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 5.745 ± 0.196 χ^2/NDF : 292.0/2

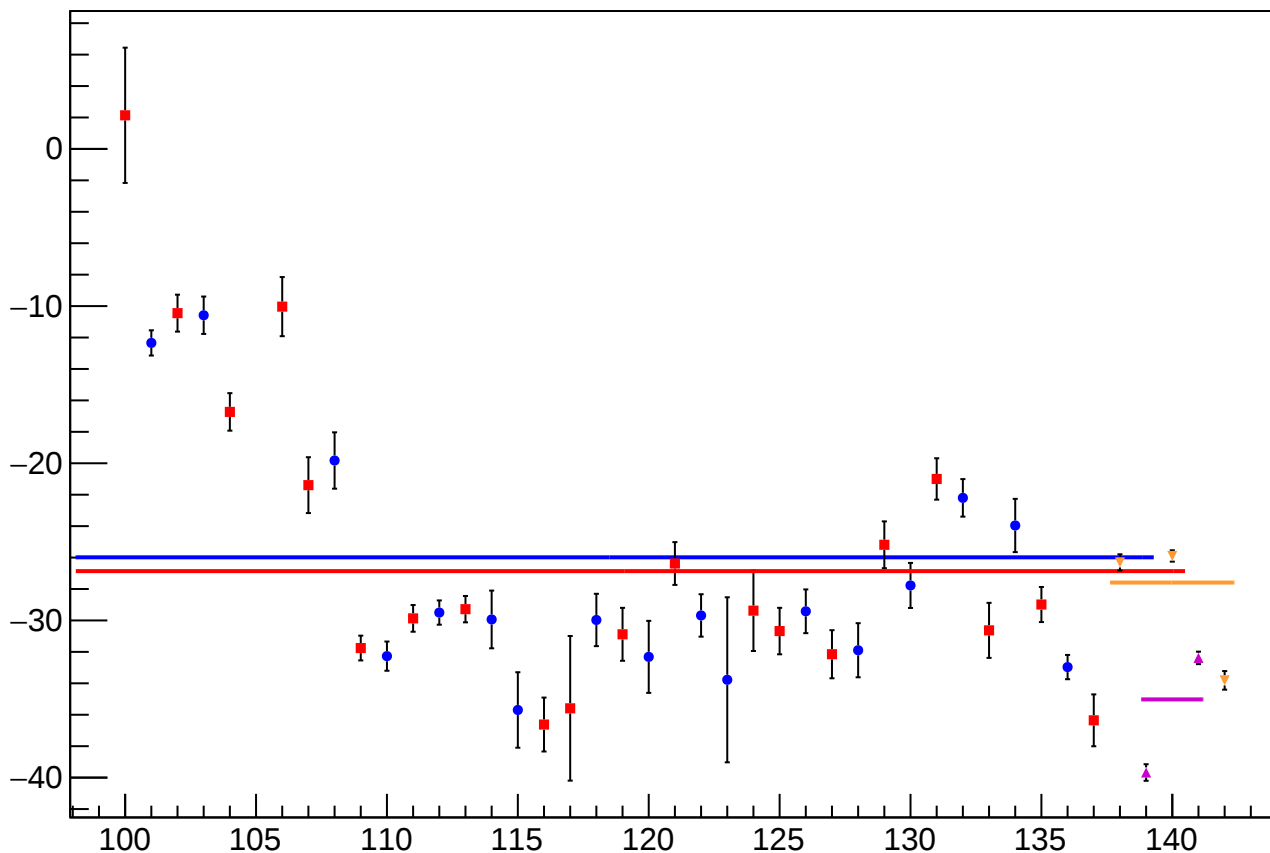
Right Out: 0.230 ± 0.174 χ^2/NDF : 278.5/19

Left In: 3.909 ± 0.254 χ^2/NDF : 164.0/1

2.790 ± 0.128 χ^2/NDF : 979.7/19

1.408 ± 0.144 χ^2/NDF : 585.3/21

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -27.590 ± 0.265 χ^2/NDF : 138.8/2

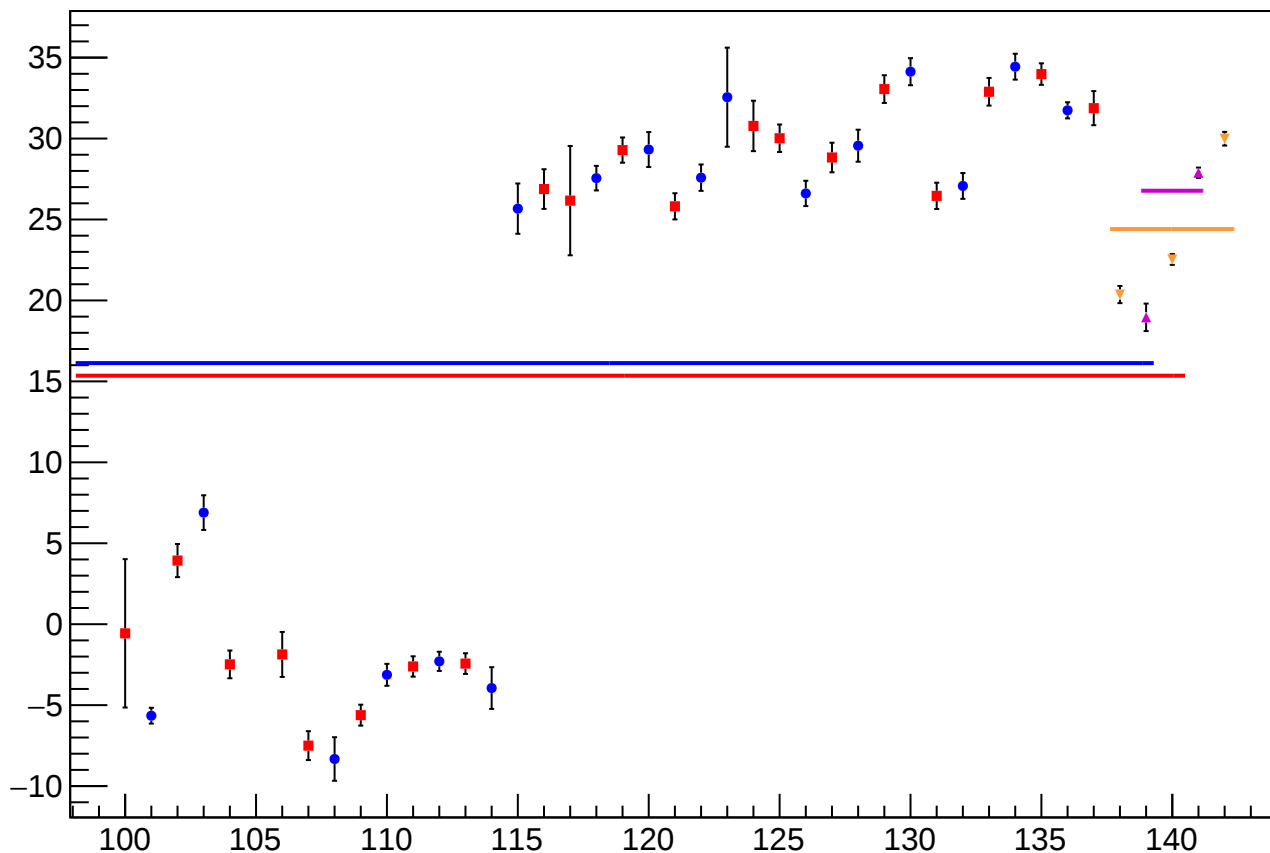
Right Out: -26.861 ± 0.297 χ^2/NDF : 585.2/19

Left In: -35.023 ± 0.318 χ^2/NDF : 121.8/1

-26.888 ± 0.199 χ^2/NDF : 846.4/19

-30.670 ± 0.217 χ^2/NDF : 1059.3/21

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 24.411 $\pm$ 0.235 χ^2 /NDF: 264.0/2

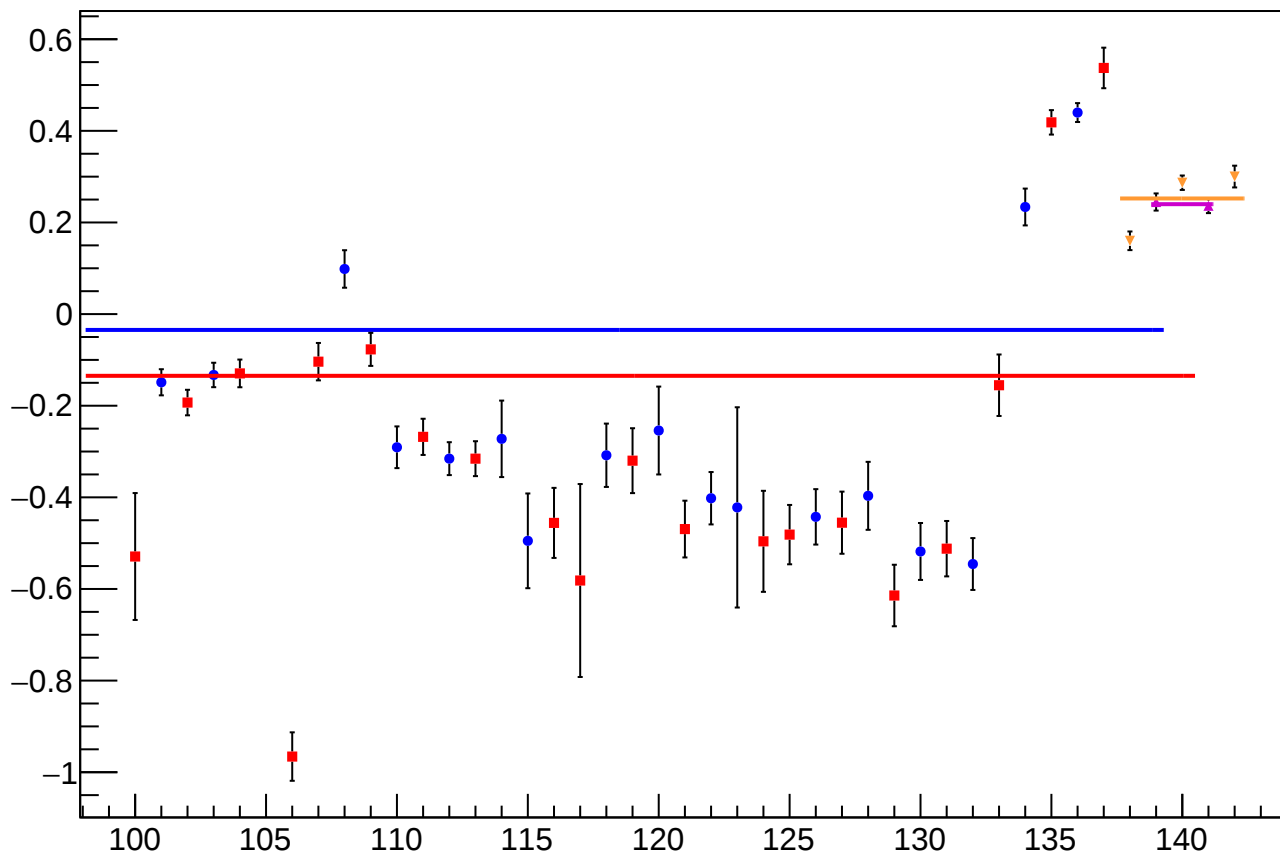
Right Out: 15.352 $\pm$ 0.197 χ^2 /NDF: 7288.4/19

Left In: 26.776 $\pm$ 0.299 χ^2 /NDF: 97.0/1

19.446 $\pm$ 0.149 χ^2 /NDF: 8581.4/19

18.799 $\pm$ 0.164 χ^2 /NDF: 8403.5/21

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035±/0.010 χ^2/NDF : 1011.6/16

Left Out: 0.252±/0.011 χ^2/NDF : 29.5/2

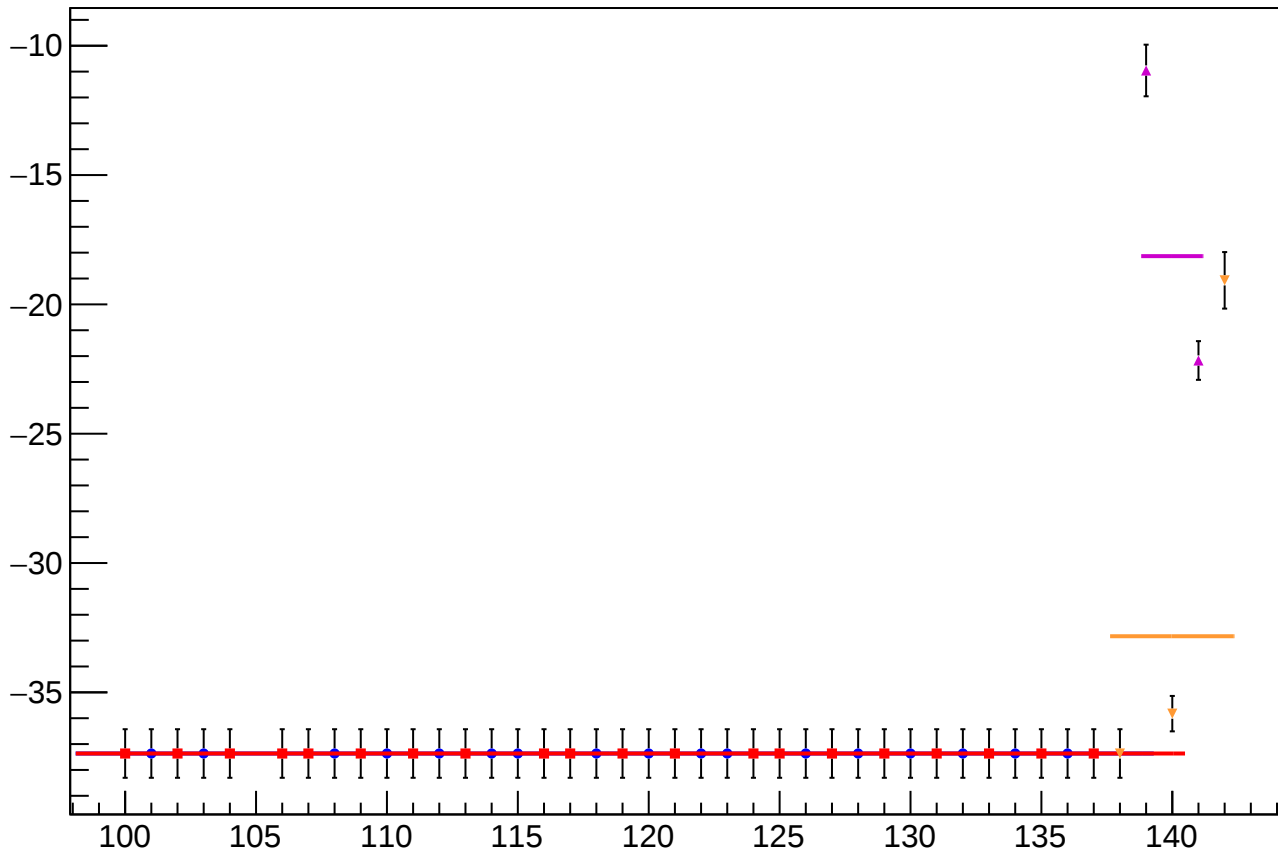
Right Out: -0.135±/0.010 χ^2/NDF : 1166.4/19

Left In: 0.240±/0.012 χ^2/NDF : 0.1/1

0.100±/0.008 χ^2/NDF : 1401.6/19

0.023±/0.008 χ^2/NDF : 1715.1/21

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -37.364 ± 0.228 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -32.831 ± 0.494 $\chi^2/\text{NDF}: 200.9/2$

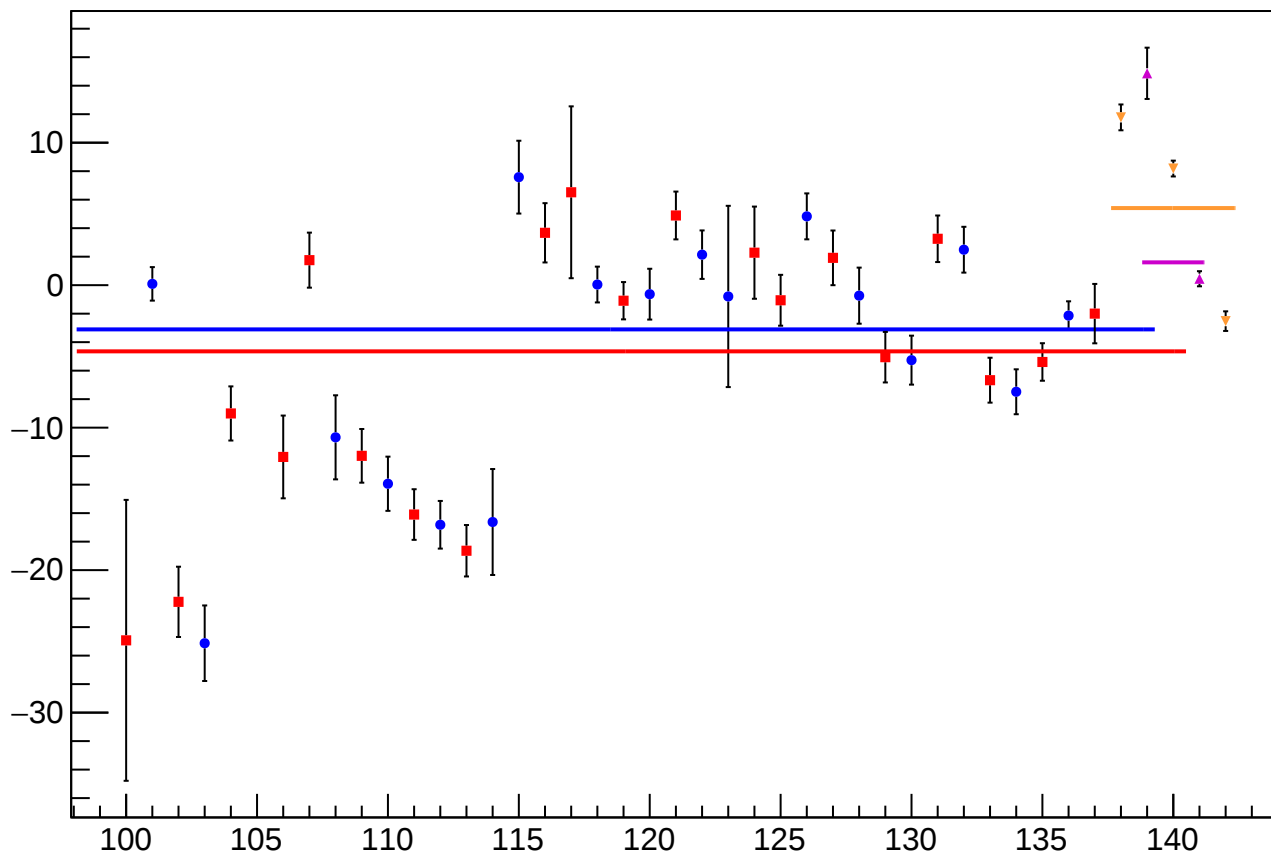
Right Out: -37.364 ± 0.210 $\chi^2/\text{NDF}: 0.0/19$

Left In: -18.135 ± 0.599 $\chi^2/\text{NDF}: 80.8/1$

-36.569 ± 0.207 $\chi^2/\text{NDF}: 270.4/19$

-35.258 ± 0.198 $\chi^2/\text{NDF}: 999.4/21$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: 5.411 ± 0.390 χ^2/NDF : 207.1/2

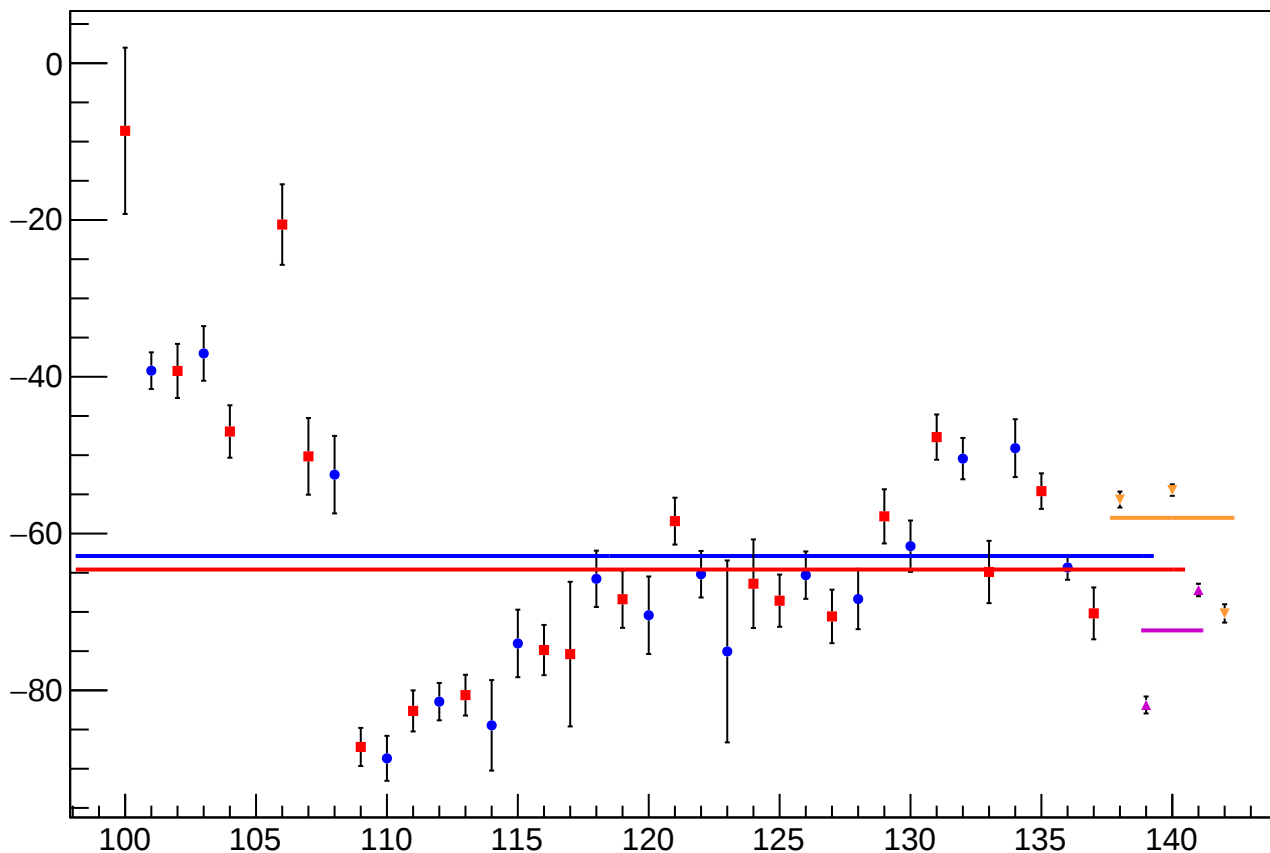
Right Out: -4.645 ± 0.425 χ^2/NDF : 301.1/19

Left In: 1.601 ± 0.509 χ^2/NDF : 59.0/1

1.376 ± 0.283 χ^2/NDF : 712.0/19

-2.074 ± 0.326 χ^2/NDF : 448.9/21

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 $\pm$ 0.741 χ^2 /NDF: 368.7/16

Left Out: -57.995 $\pm$ 0.529 χ^2 /NDF:137.5/2

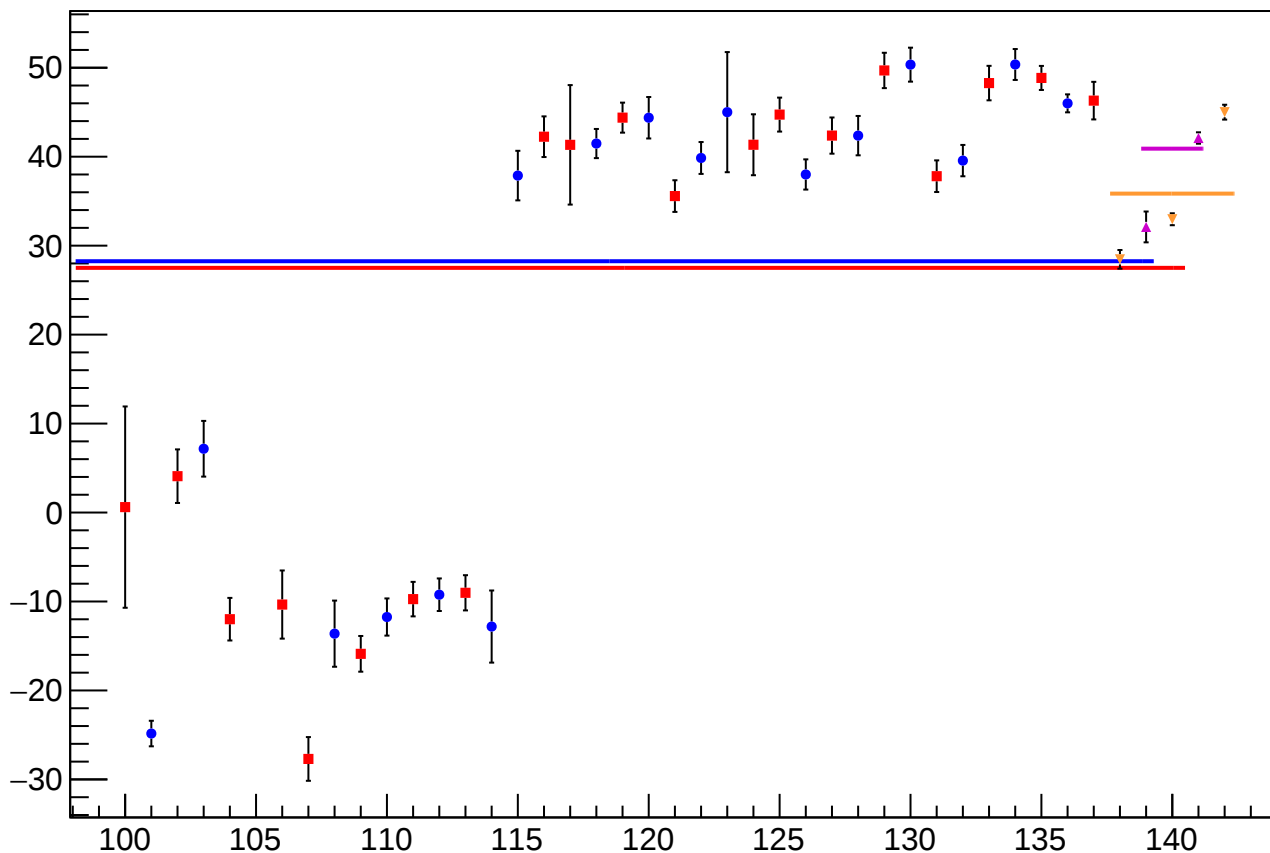
Right Out: -64.588 $\pm$ 0.749 χ^2 /NDF: 445.6/19

Left In: -72.355 $\pm$ 0.641 χ^2 /NDF:119.5/1

-59.639 $\pm$ 0.430 χ^2 /NDF: 534.8/19

-69.075 $\pm$ 0.487 χ^2 /NDF: 627.2/21

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 35.849 $\pm$ 0.468 χ^2 /NDF:188.1/2

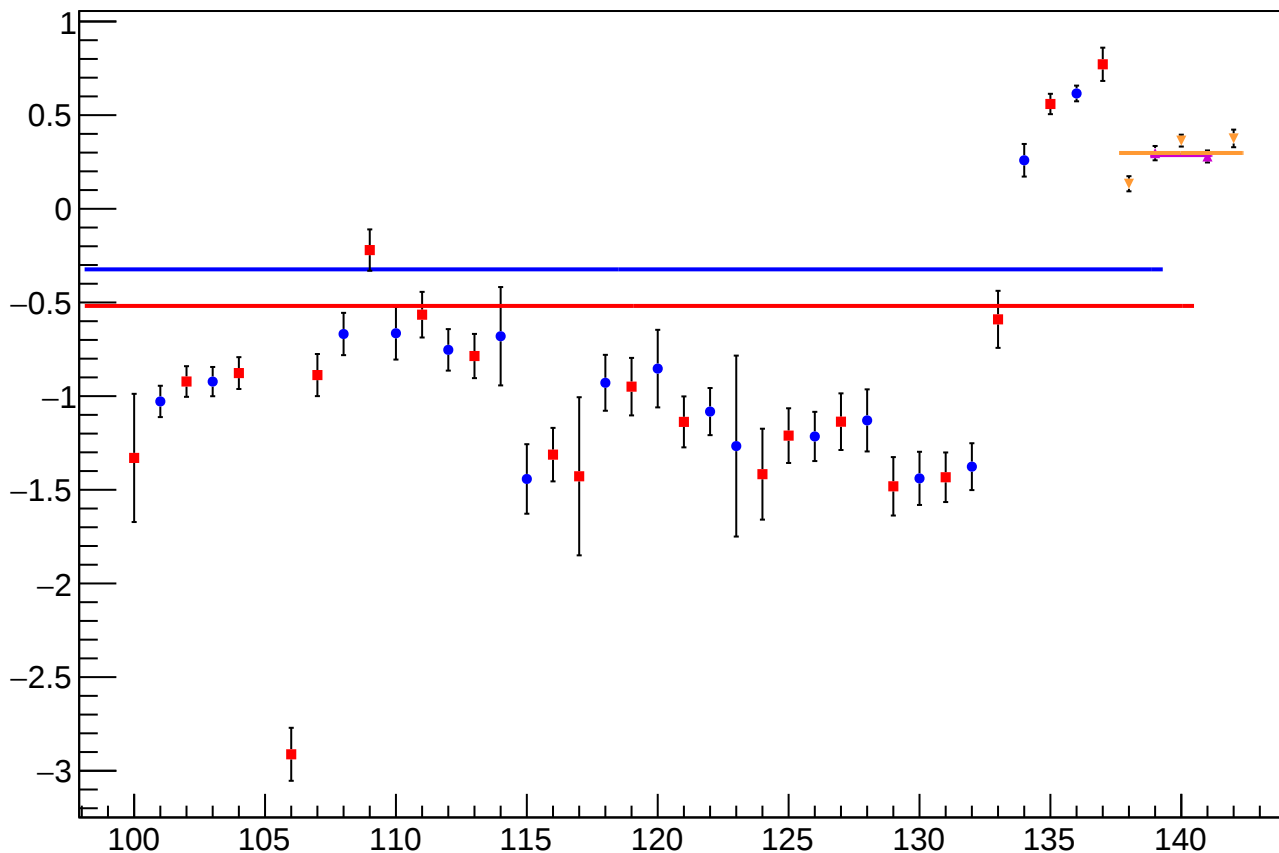
Right Out: 27.505 $\pm$ 0.478 χ^2 /NDF: 3036.7/19

Left In: 40.903 $\pm$ 0.600 χ^2 /NDF:29.3/1

31.983 $\pm$ 0.328 χ^2 /NDF: 3641.7/19

32.701 $\pm$ 0.374 χ^2 /NDF: 3371.2/21

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.298 ± 0.022 χ^2/NDF : 23.6/2

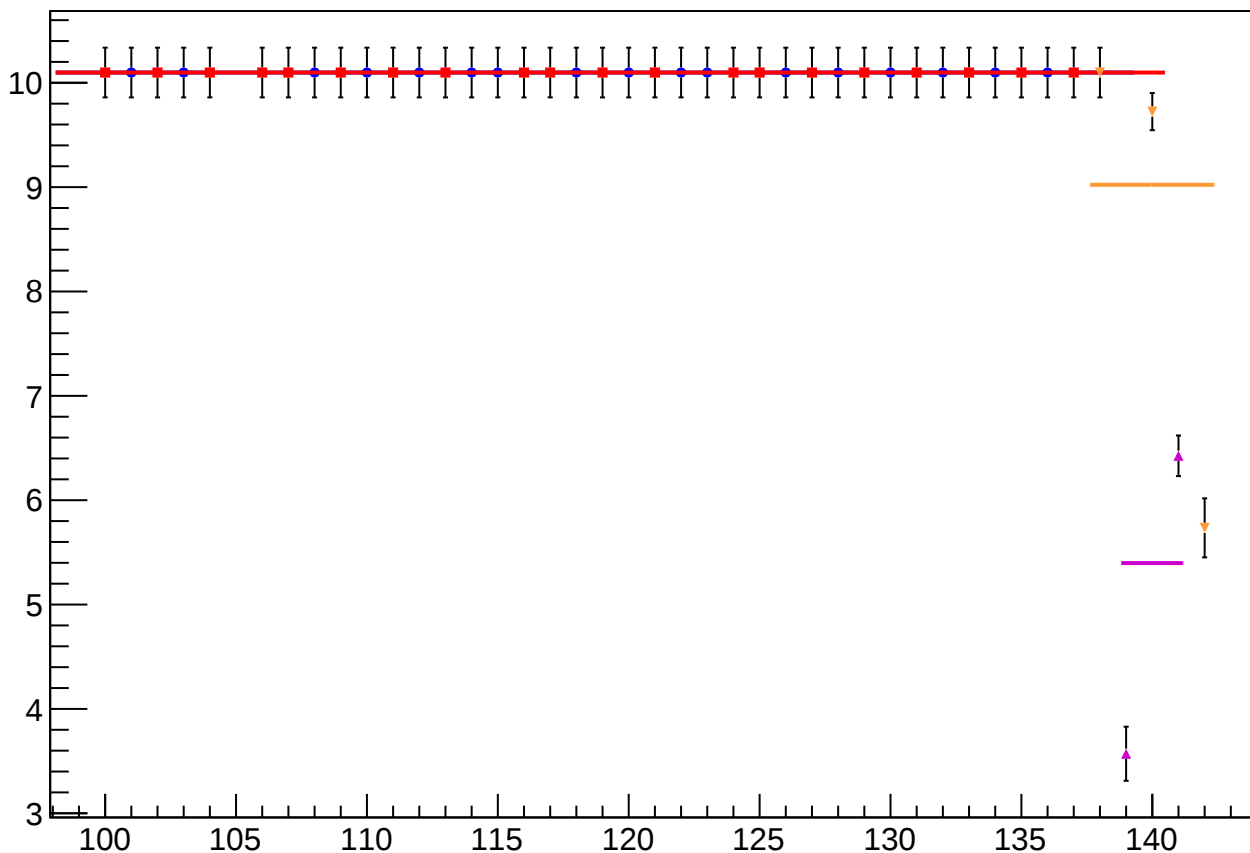
Right Out: -0.518 ± 0.026 χ^2/NDF : 1165.5/19

Left In: 0.287 ± 0.025 χ^2/NDF : 0.1/1

0.026 ± 0.017 χ^2/NDF : 1382.4/19

-0.098 ± 0.018 χ^2/NDF : 1677.6/21

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 10.098 $\pm$ 0.058 χ^2 /NDF: 0.0/16

Left Out: 9.022 $\pm$ 0.127 χ^2 /NDF:170.9/2

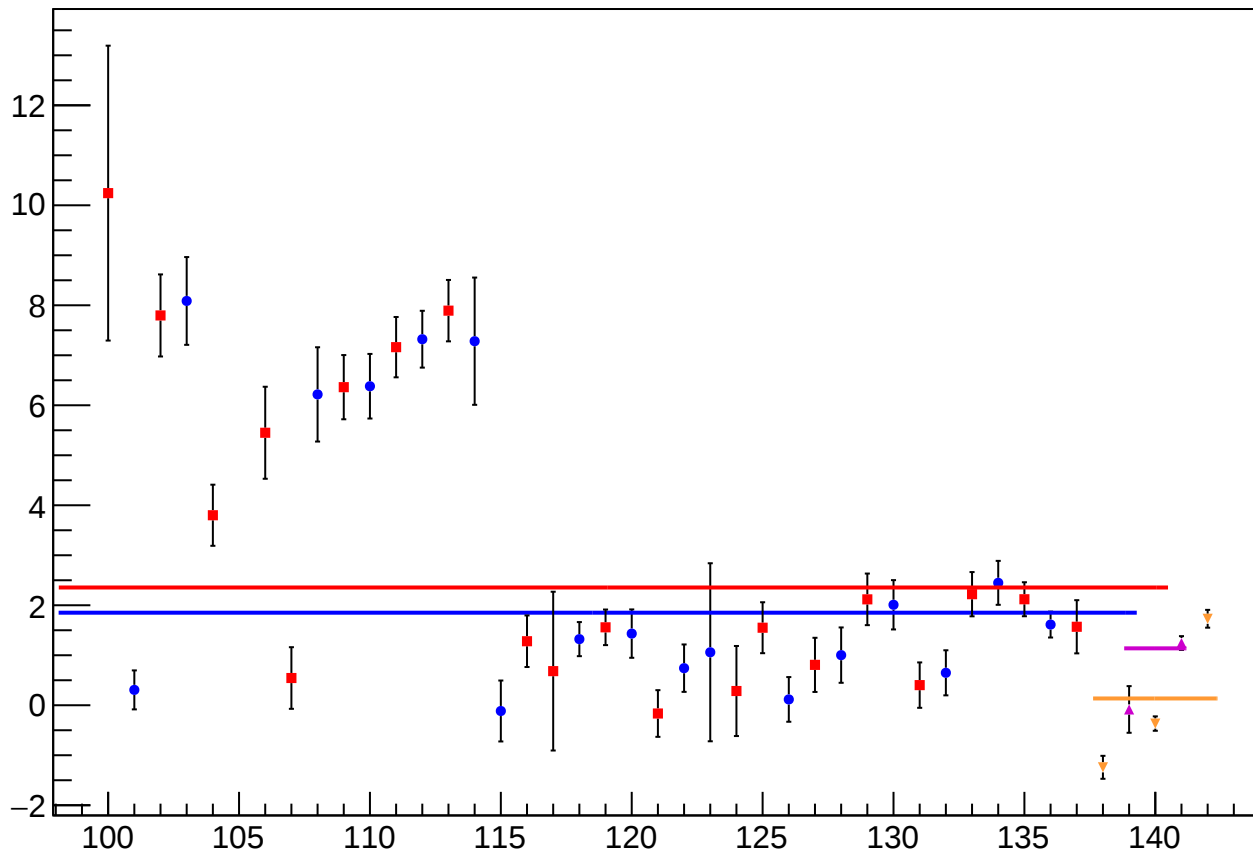
Right Out: 10.098 $\pm$ 0.053 χ^2 /NDF: 0.0/19

Left In: 5.398 $\pm$ 0.156 χ^2 /NDF:77.6/1

9.914 $\pm$ 0.053 χ^2 /NDF: 230.1/19

9.604 $\pm$ 0.050 χ^2 /NDF: 895.0/21

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 0.136 ± 0.101 χ^2/NDF : 128.2/2

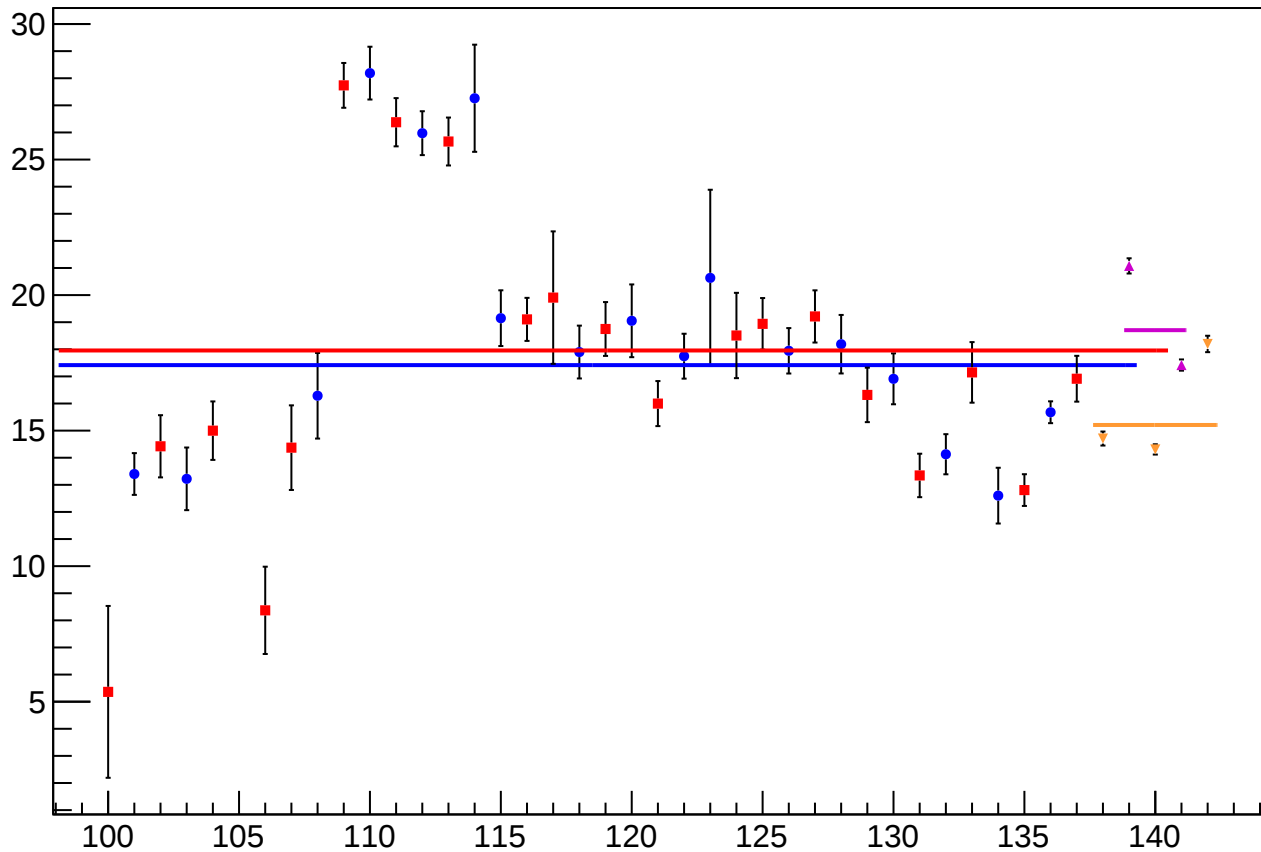
Right Out: 2.355 ± 0.122 χ^2/NDF : 337.4/19

Left In: 1.138 ± 0.132 χ^2/NDF : 7.5/1

0.865 ± 0.076 χ^2/NDF : 545.6/19

1.794 ± 0.090 χ^2/NDF : 390.6/21

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 15.208 $\pm$ 0.136 χ^2 /NDF:123.9/2

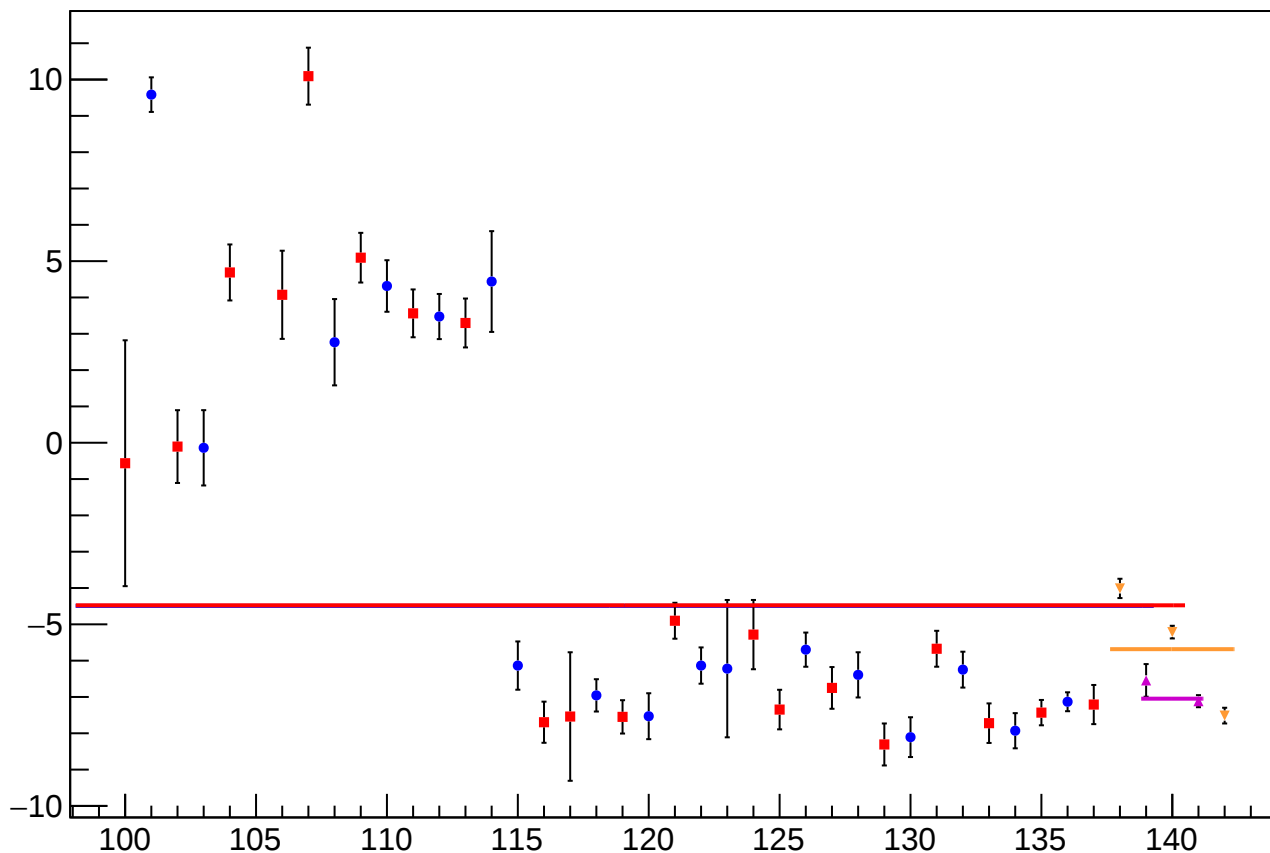
Right Out: 17.957 $\pm$ 0.218 χ^2 /NDF: 506.2/19

Left In: 18.706 $\pm$ 0.166 χ^2 /NDF:110.1/1

15.852 $\pm$ 0.115 χ^2 /NDF: 567.3/19

18.431 $\pm$ 0.132 χ^2 /NDF: 623.8/21

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.491 ± 0.130 $\chi^2/\text{NDF}: 1585.4/16$

Left Out: -5.684 ± 0.121 $\chi^2/\text{NDF}: 118.5/2$

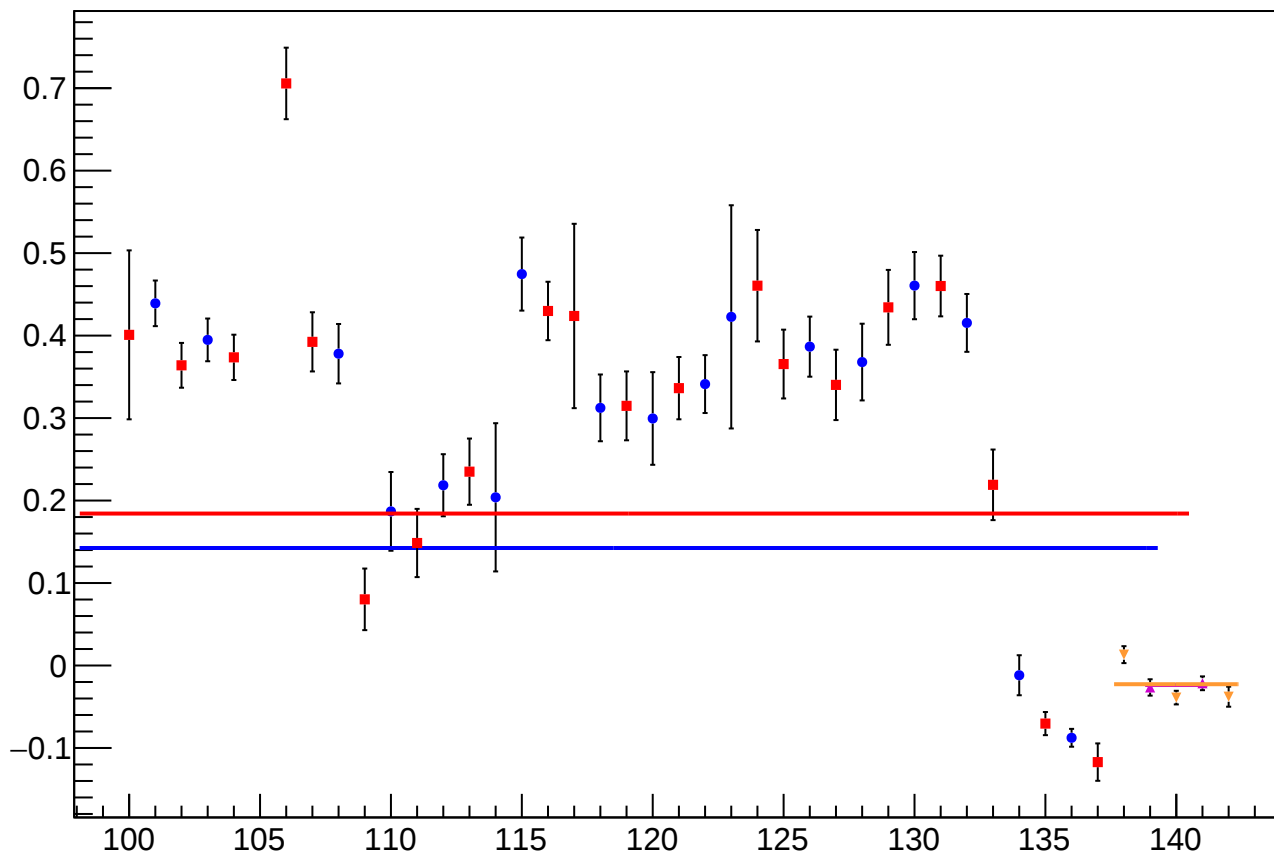
Right Out: -4.476 ± 0.137 $\chi^2/\text{NDF}: 1342.0/19$

Left In: -7.047 ± 0.156 $\chi^2/\text{NDF}: 1.4/1$

-5.133 ± 0.089 $\chi^2/\text{NDF}: 1748.8/19$

-5.593 ± 0.103 $\chi^2/\text{NDF}: 1497.2/21$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.023 ± 0.006 χ^2/NDF : 17.6/2

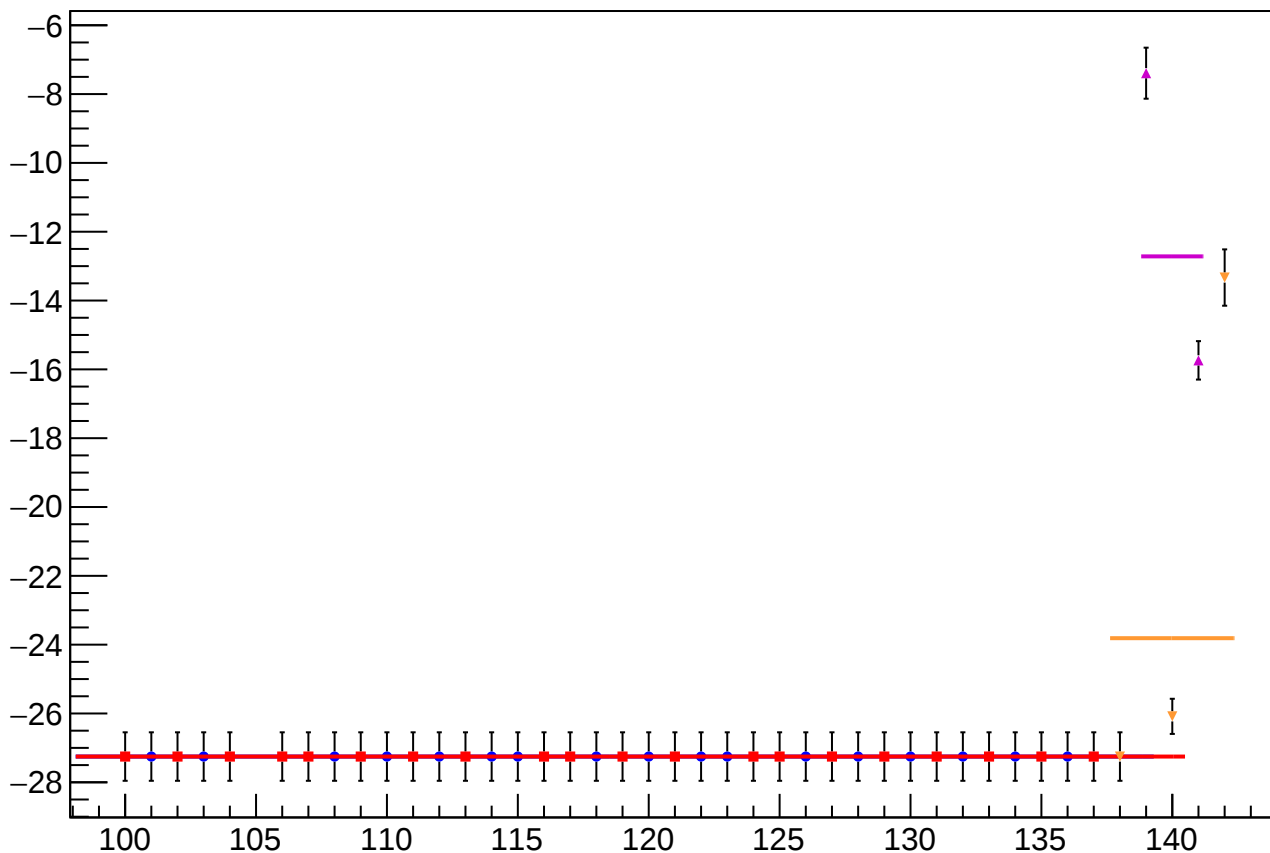
Right Out: 0.184 ± 0.007 χ^2/NDF : 1005.5/19

Left In: -0.024 ± 0.006 χ^2/NDF : 0.2/1

0.042 ± 0.004 χ^2/NDF : 1407.5/19

0.065 ± 0.005 χ^2/NDF : 1458.4/21

911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000



Right In: -27.252+/-0.171 χ^2/NDF : 0.0/16

-26.645+/-0.155 χ^2/NDF : 279.1/19

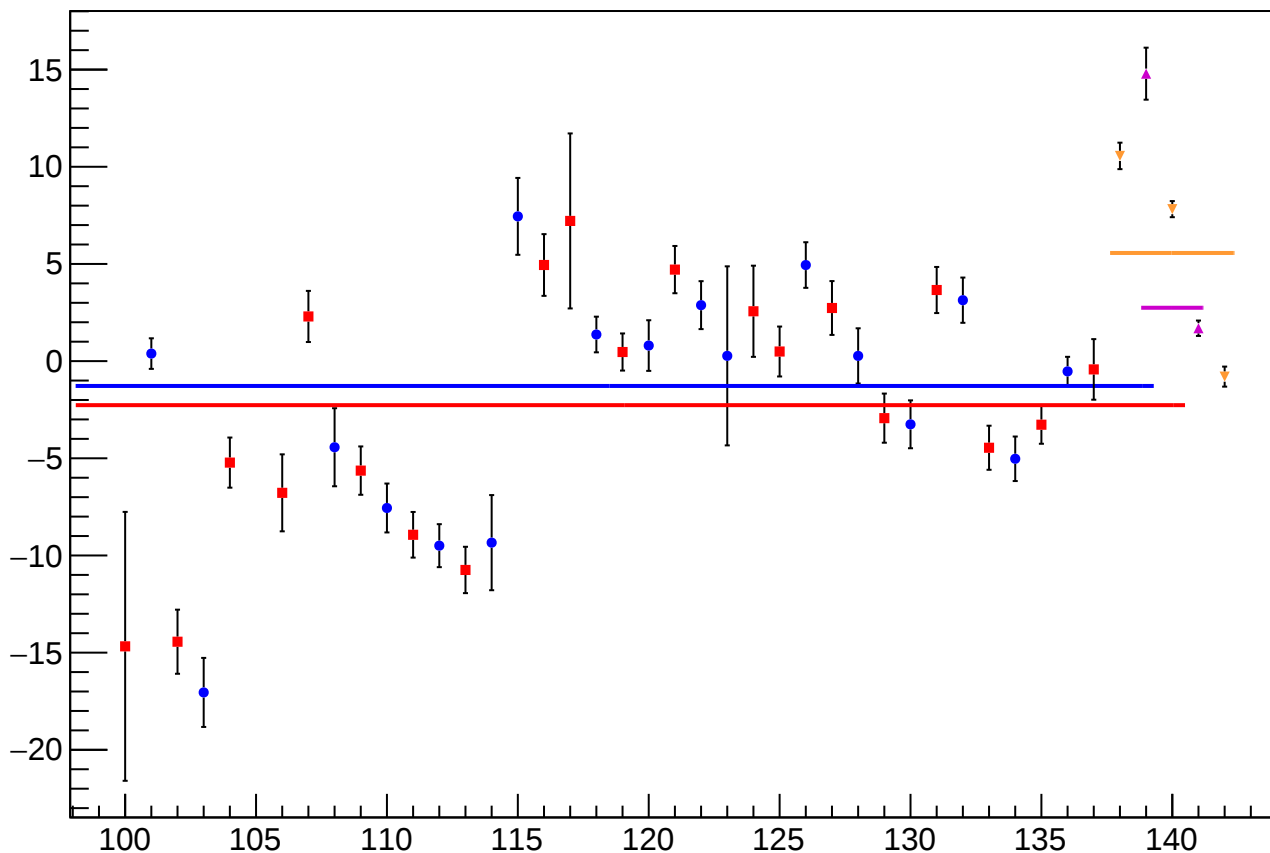
Left Out: -23.812 ± 0.369 $\chi^2/\text{NDF}: 207.6/2$

-25.641+/-0.149 χ^2/NDF : 1024.4/21

Right Out: -27.252 ± 0.158 χ^2/NDF : 0.0/19

Left In: -12.717+/-0.446 χ^2/NDF :80.8/1

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 5.565 ± 0.292 χ^2/NDF : 235.6/2

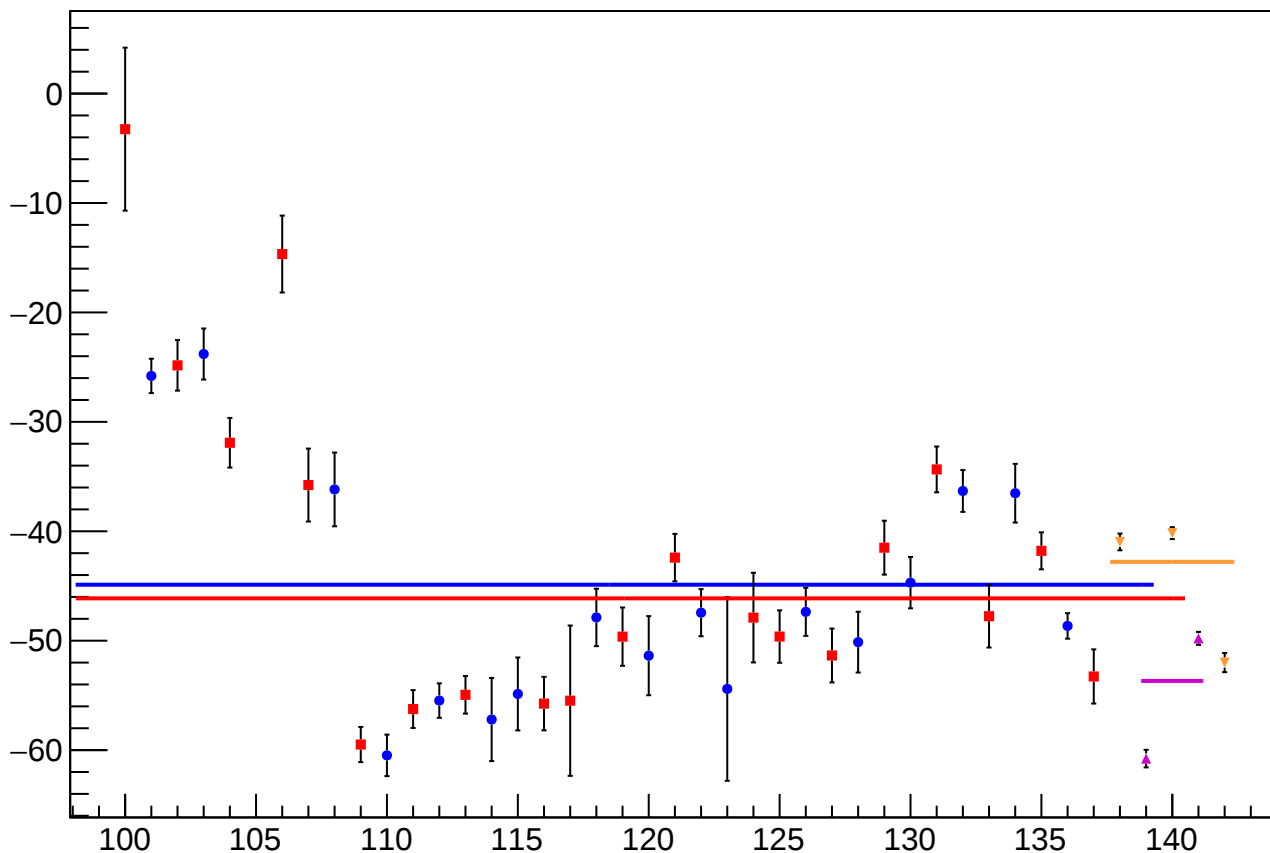
Right Out: -2.266 ± 0.302 χ^2/NDF : 289.8/19

Left In: 2.746 ± 0.380 χ^2/NDF : 88.1/1

2.151 ± 0.207 χ^2/NDF : 786.5/19

-0.326 ± 0.236 χ^2/NDF : 484.7/21

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -42.792 ± 0.395 χ^2/NDF : 139.4/2

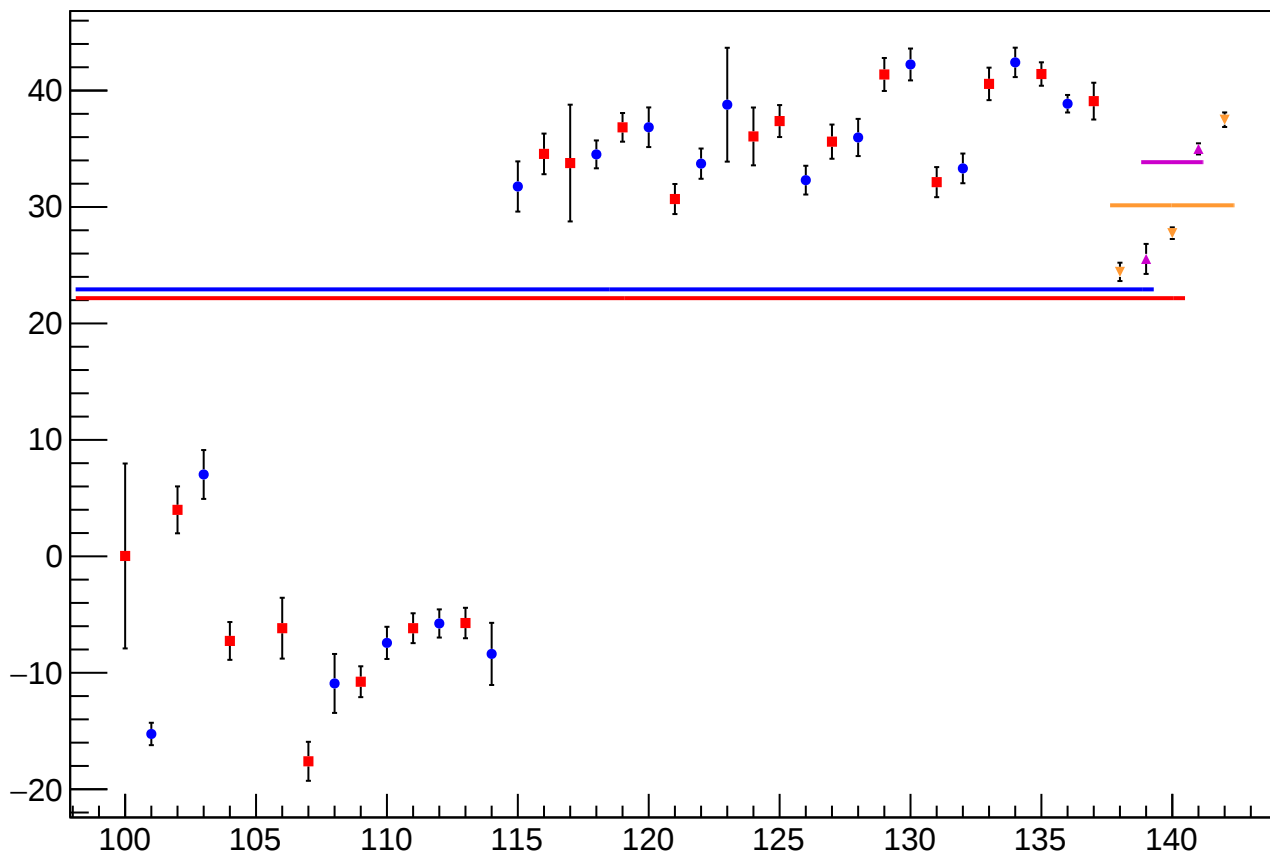
Right Out: -46.130 ± 0.527 χ^2/NDF : 456.1/19

Left In: -53.676 ± 0.477 χ^2/NDF : 121.1/1

-43.550 ± 0.316 χ^2/NDF : 570.5/19

-50.275 ± 0.354 χ^2/NDF : 689.9/21

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 30.145 $\pm$ 0.350 χ^2 /NDF:213.5/2

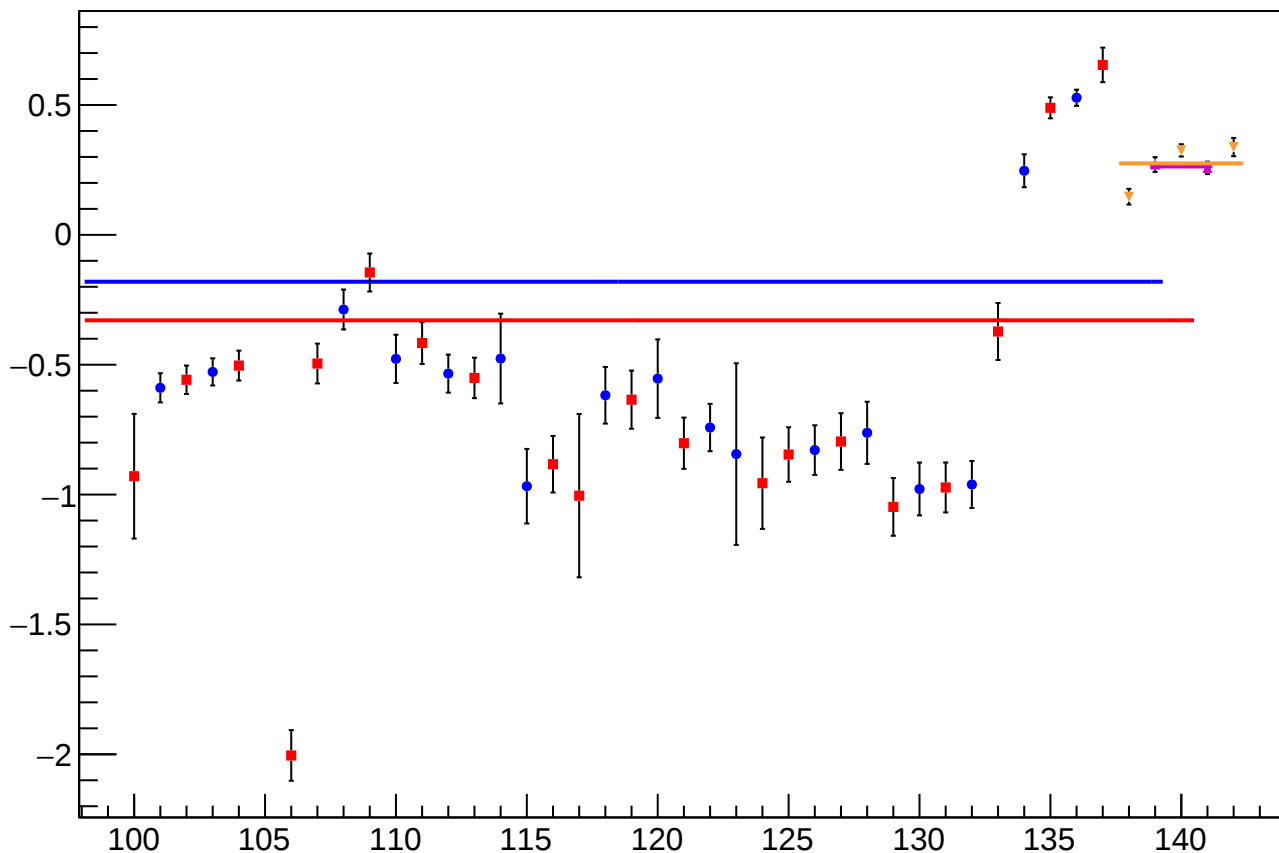
Right Out: 22.170 $\pm$ 0.339 χ^2 /NDF: 4038.8/19

Left In: 33.849 $\pm$ 0.448 χ^2 /NDF:47.3/1

26.300 $\pm$ 0.239 χ^2 /NDF: 4770.0/19

26.429 $\pm$ 0.270 χ^2 /NDF: 4518.4/21

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.275 ± 0.016 χ^2/NDF : 25.6/2

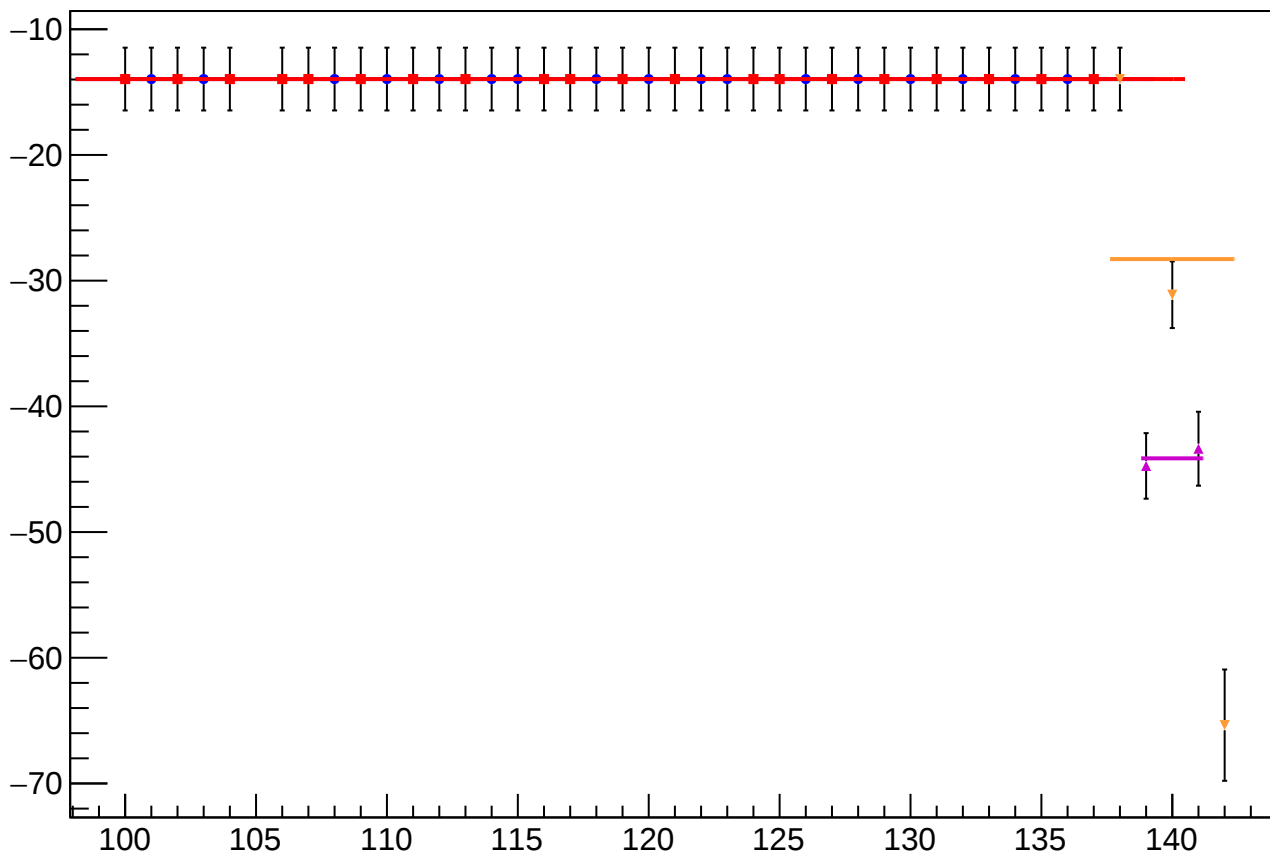
Right Out: -0.329 ± 0.018 χ^2/NDF : 1180.2/19

Left In: 0.263 ± 0.018 χ^2/NDF : 0.1/1

0.065 ± 0.012 χ^2/NDF : 1374.8/19

-0.036 ± 0.013 χ^2/NDF : 1707.0/21

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -13.963 ± 0.606 χ^2/NDF : 0.0/16

Left Out: -28.283 ± 1.682 χ^2/NDF : 104.2/2

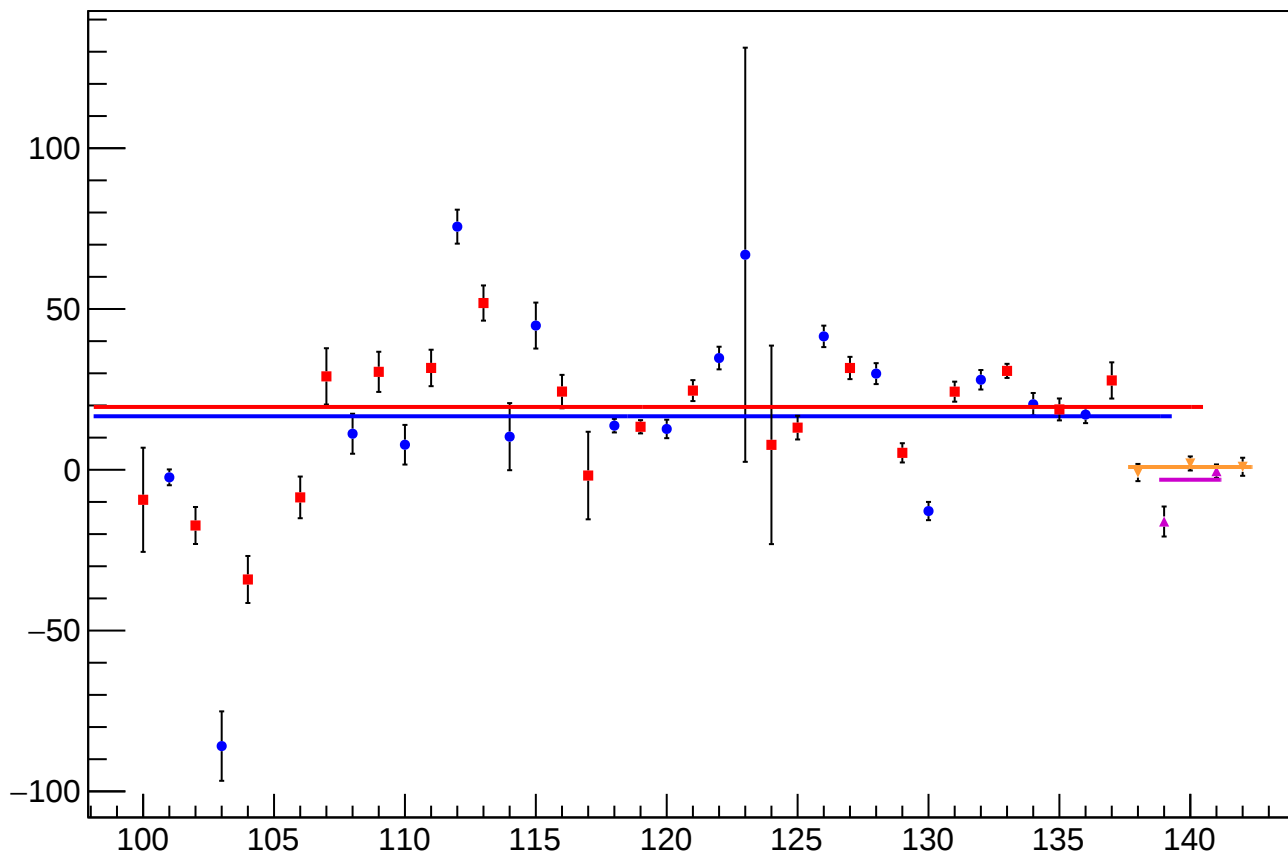
Right Out: -13.963 ± 0.559 χ^2/NDF : 0.0/19

Left In: -44.136 ± 1.951 χ^2/NDF : 0.1/1

-15.607 ± 0.570 χ^2/NDF : 168.3/19

-16.248 ± 0.537 χ^2/NDF : 221.1/21

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 0.863 ± 1.449 $\chi^2/\text{NDF}: 0.7/2$

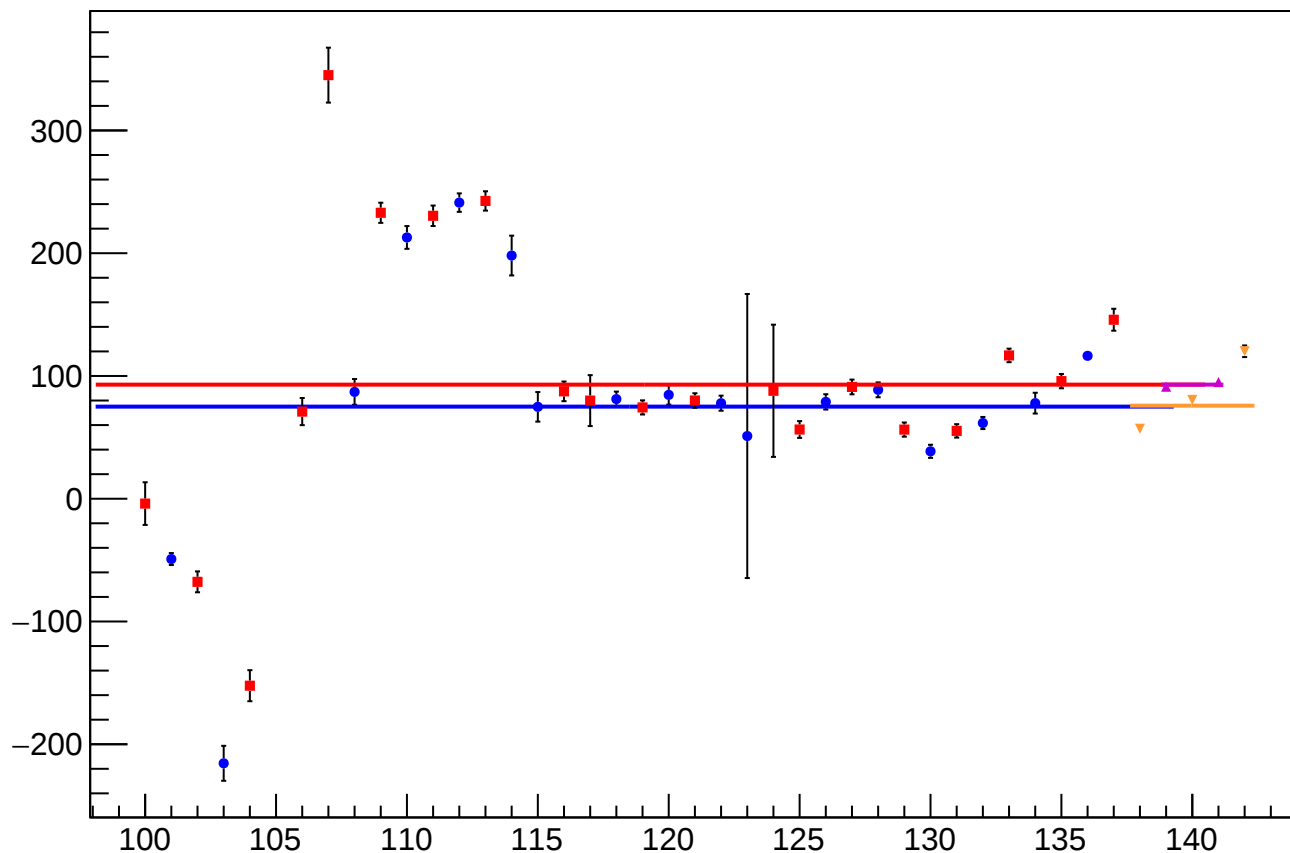
Right Out: 19.540 ± 0.894 $\chi^2/\text{NDF}: 244.1/19$

Left In: -3.095 ± 1.921 $\chi^2/\text{NDF}: 9.3/1$

12.542 ± 0.739 $\chi^2/\text{NDF}: 607.3/19$

15.507 ± 0.811 $\chi^2/\text{NDF}: 367.6/21$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 75.811 $\pm$ 1.808 χ^2 /NDF:138.4/2

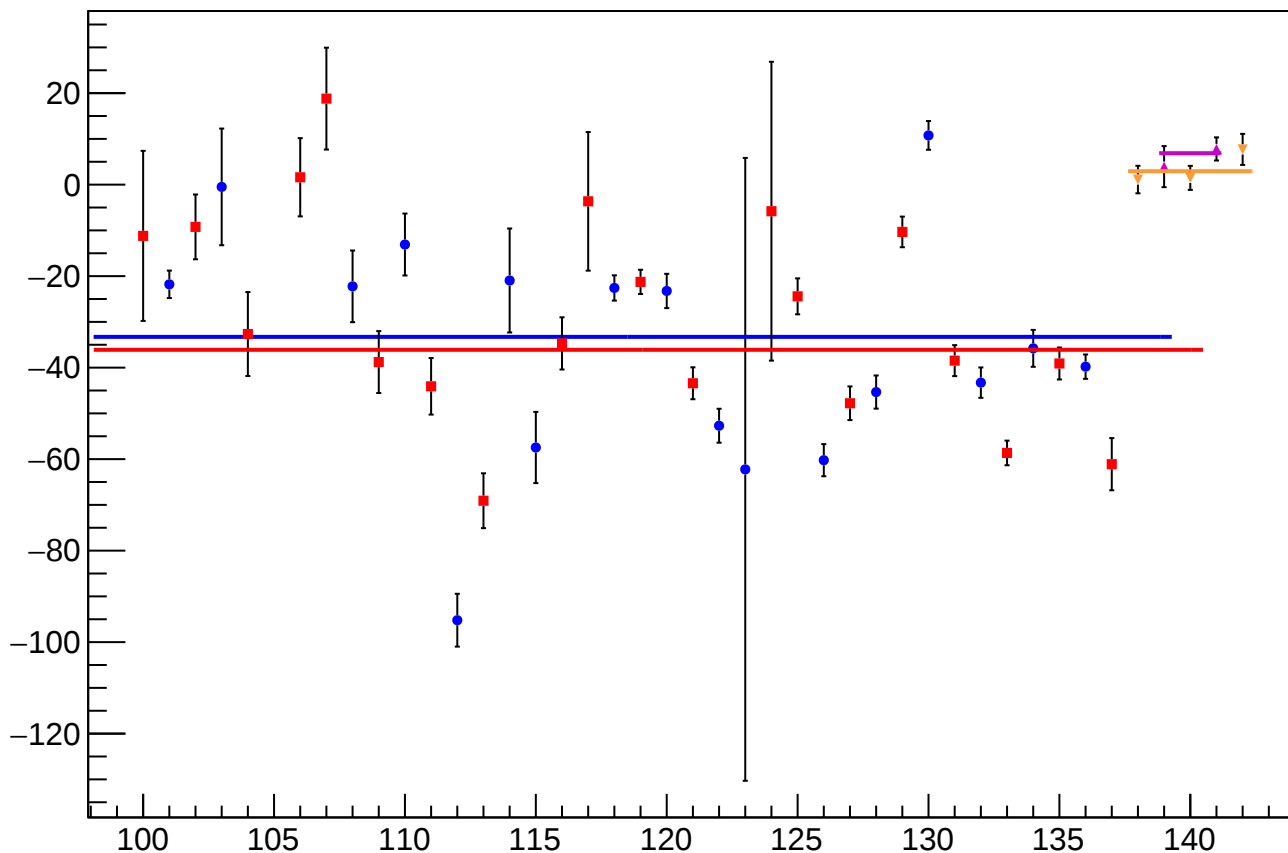
Right Out: 92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

Left In: 92.963 $\pm$ 2.097 χ^2 /NDF:0.8/1

75.385 $\pm$ 1.217 χ^2 /NDF: 2138.2/19

92.949 $\pm$ 1.323 χ^2 /NDF: 2004.8/21

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: 2.938 ± 1.709 $\chi^2/\text{NDF}: 2.7/2$

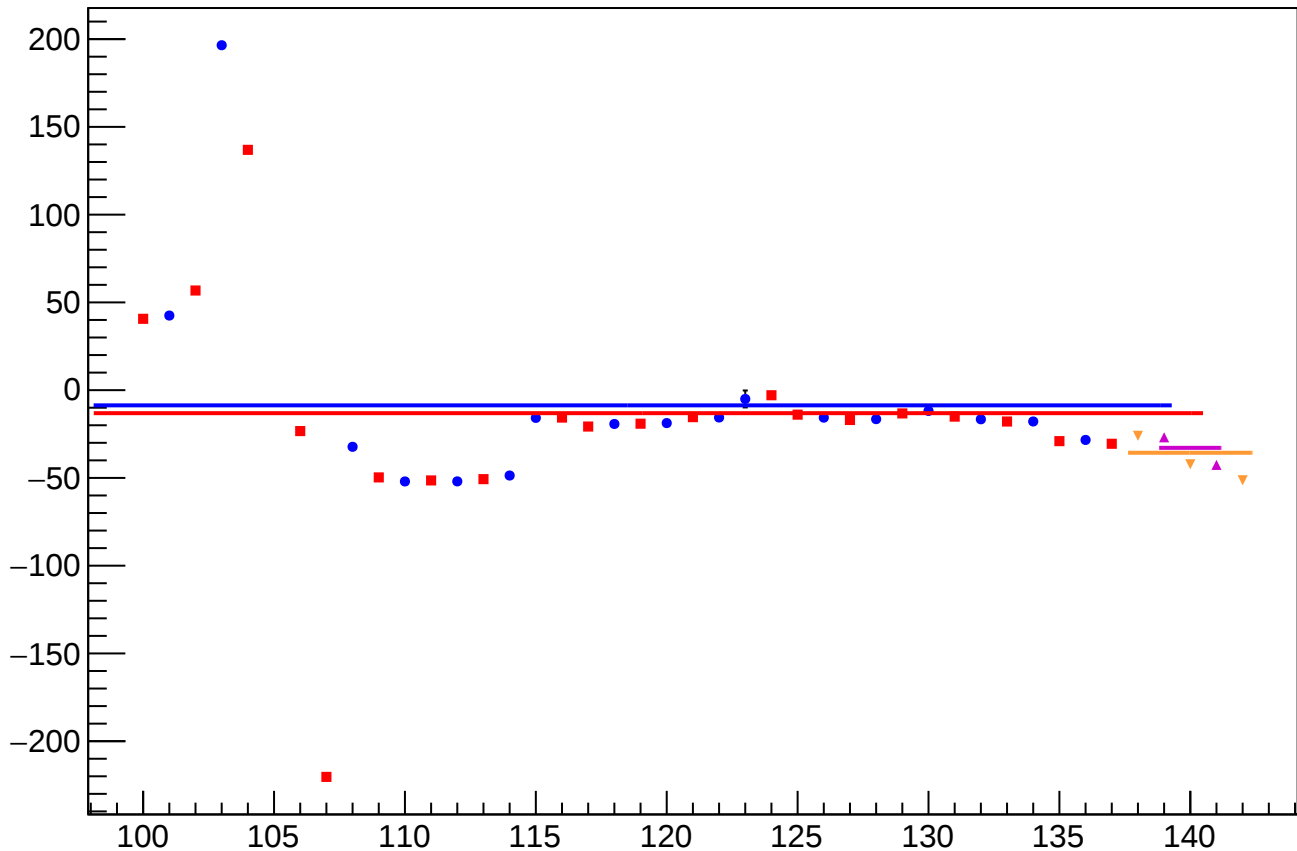
Right Out: -36.103 ± 1.022 $\chi^2/\text{NDF}: 302.3/19$

Left In: 6.872 ± 2.203 $\chi^2/\text{NDF}: 0.6/1$

-24.283 ± 0.851 $\chi^2/\text{NDF}: 829.6/19$

-28.497 ± 0.927 $\chi^2/\text{NDF}: 616.0/21$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -35.664 ± 0.074 χ^2/NDF : 18091.2/2

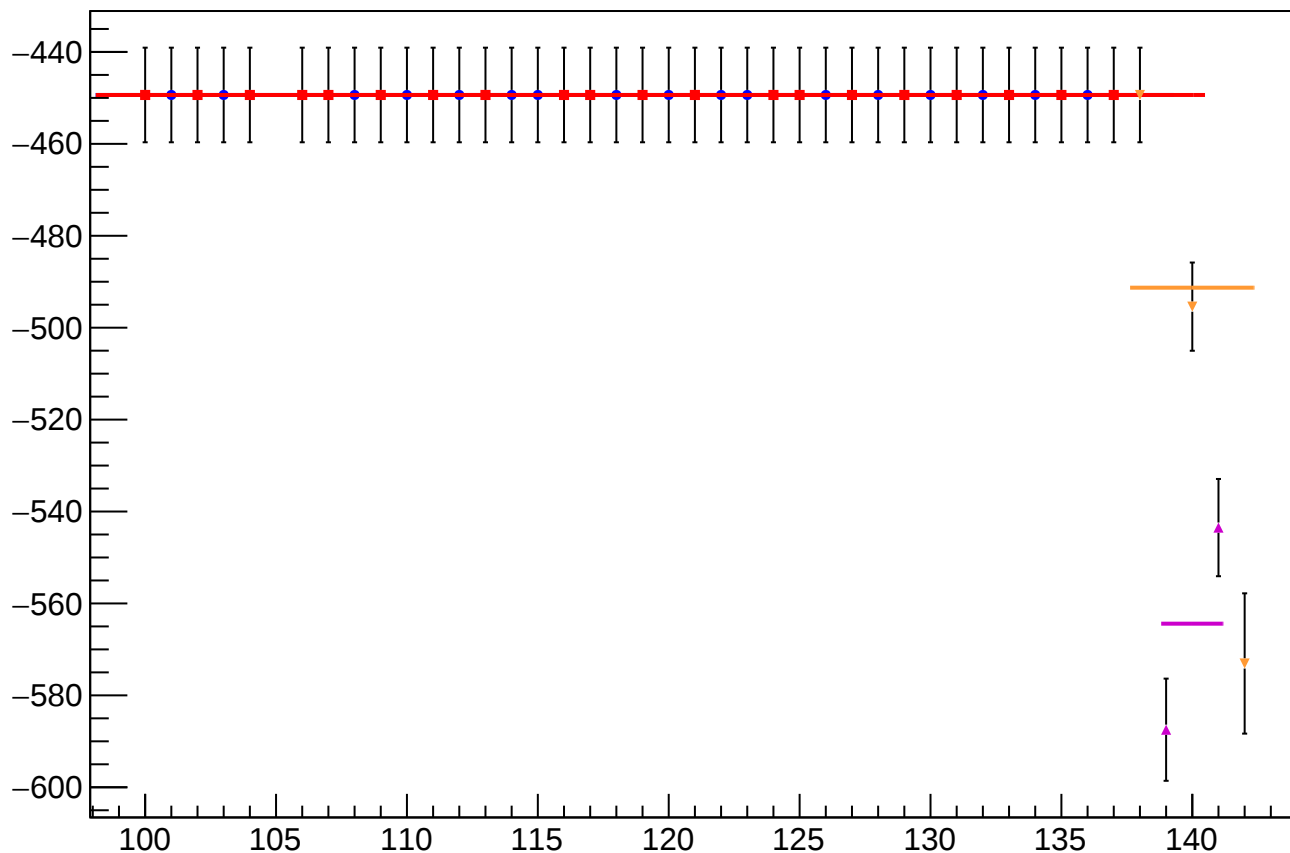
Right Out: -13.109 ± 0.062 χ^2/NDF : 558383.6/19

Left In: -32.864 ± 0.078 χ^2/NDF : 9600.6/1

-19.222 ± 0.046 χ^2/NDF : 675569.8/19

-20.724 ± 0.048 χ^2/NDF : 607501.0/21

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -449.364+/-2.496 χ^2/NDF : 0.0/16

Left Out: -491.295+/-6.377 χ^2/NDF : 45.5/2

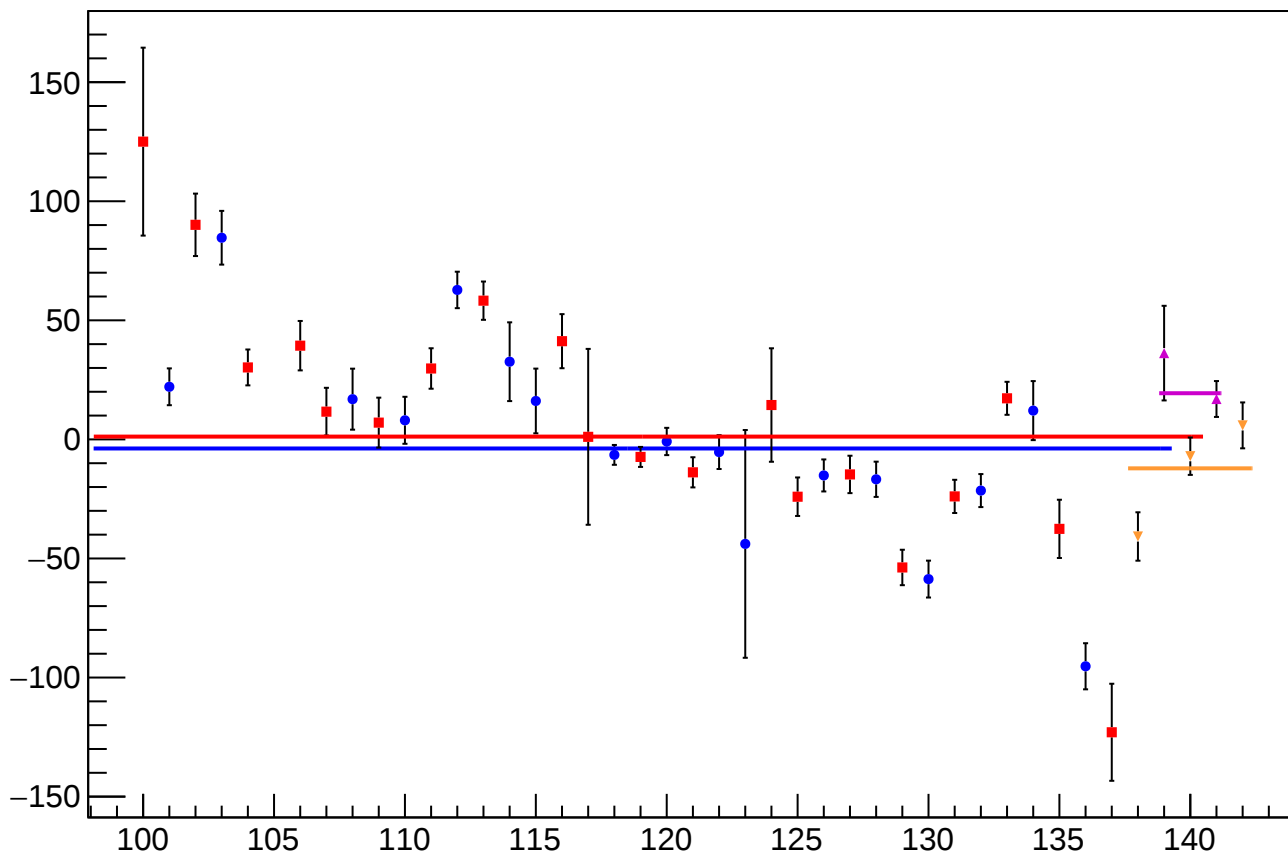
Right Out: -449.364+/-2.301 χ^2/NDF : 0.0/19

Left In: -564.403+/-7.664 χ^2/NDF : 8.2/1

-454.935+/-2.325 χ^2/NDF : 83.0/19

-458.880+/-2.204 χ^2/NDF : 214.9/21

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: -12.157 ± 5.222 χ^2/NDF : 11.9/2

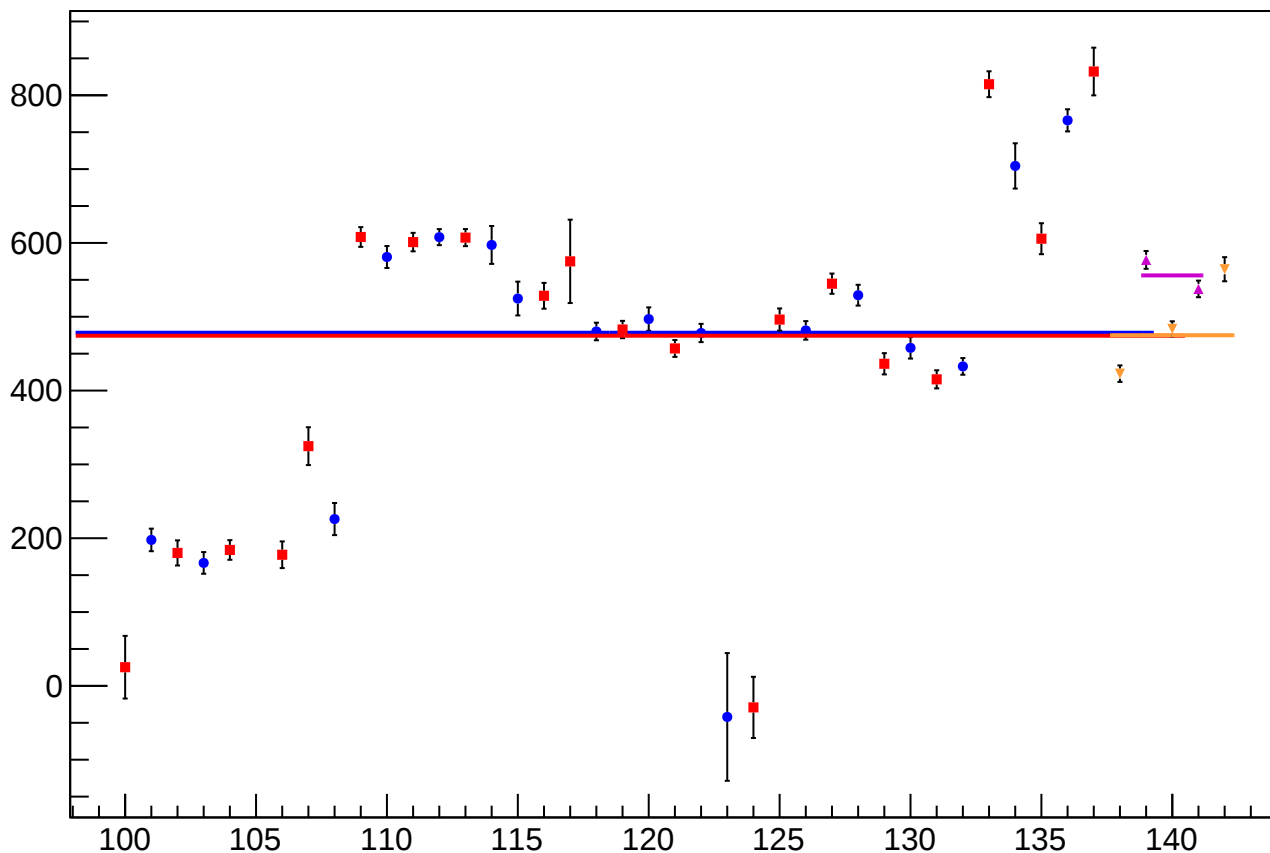
Right Out: 1.175 ± 1.911 χ^2/NDF : 303.9/19

Left In: 19.388 ± 7.046 χ^2/NDF : 0.8/1

-4.811 ± 1.804 χ^2/NDF : 328.4/19

2.423 ± 1.845 χ^2/NDF : 310.9/21

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 474.954 $\pm$ 6.843 χ^2 /NDF: 52.4/2

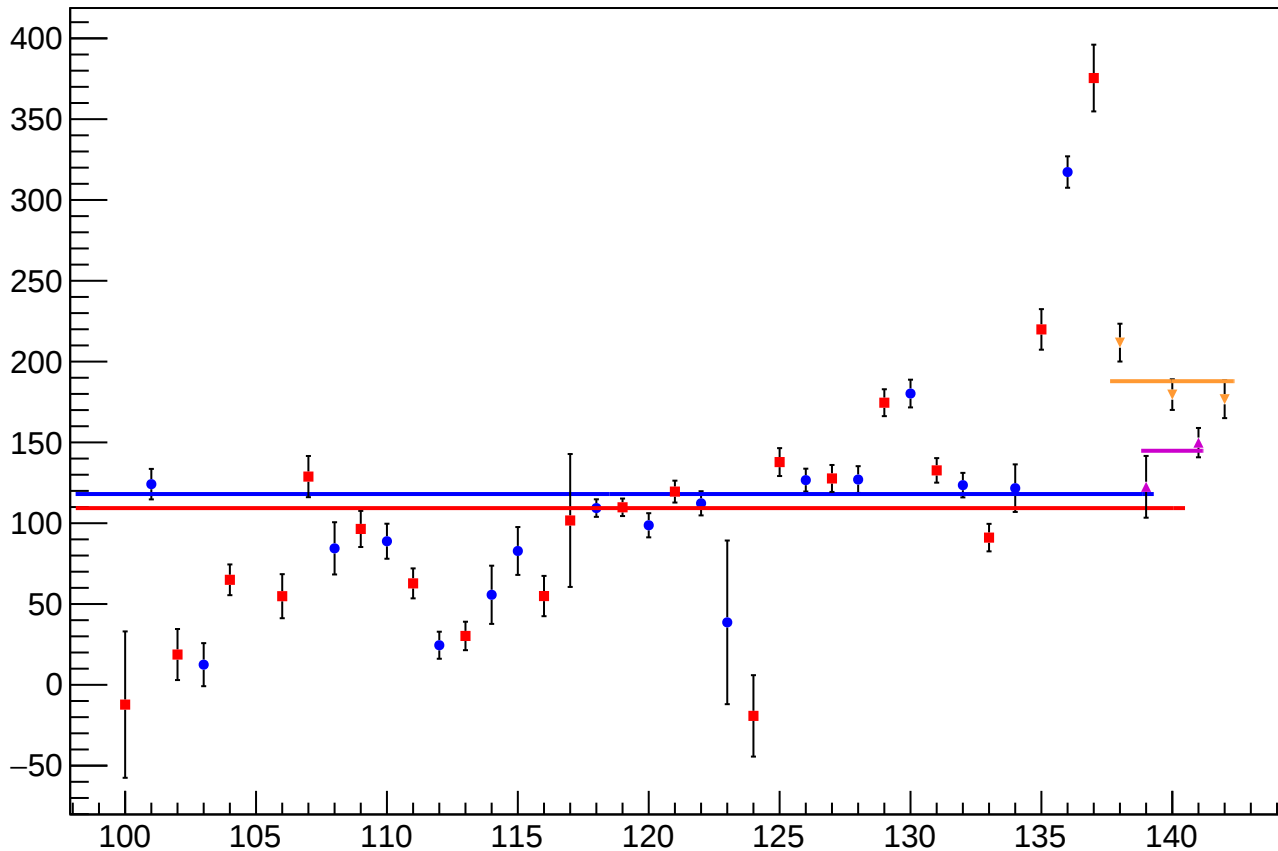
Right Out: 474.296 $\pm$ 3.524 χ^2 /NDF: 2288.2/19

Left In: 555.999 $\pm$ 8.222 χ^2 /NDF: 5.7/1

477.582 $\pm$ 3.229 χ^2 /NDF: 1681.5/19

486.976 $\pm$ 3.239 χ^2 /NDF: 2377.3/21

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 187.874 $\pm$ 6.230 χ^2 /NDF: 5.8/2

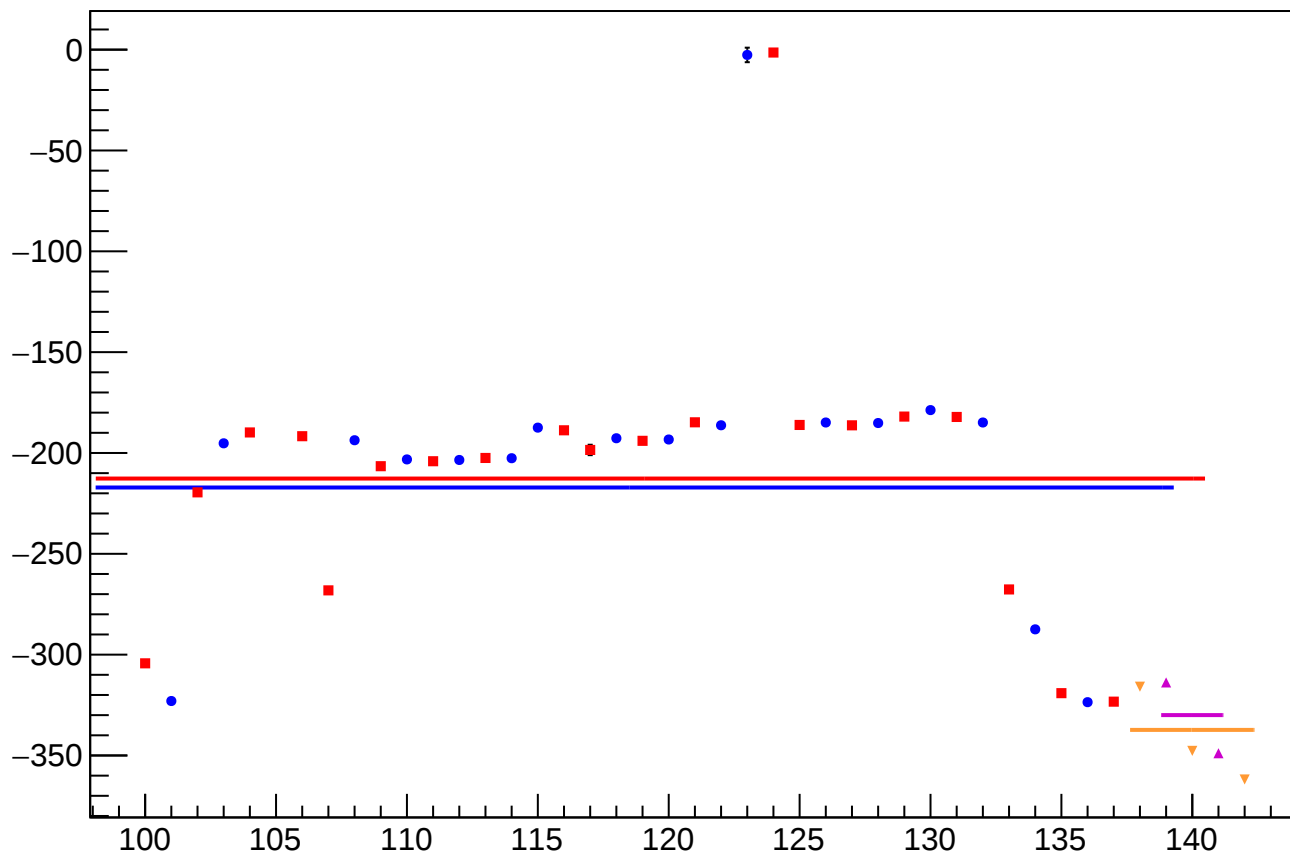
Right Out: 109.345 $\pm$ 2.202 χ^2 /NDF: 569.8/19

Left In: 144.827 $\pm$ 8.199 χ^2 /NDF: 1.7/1

125.956 $\pm$ 2.096 χ^2 /NDF: 822.6/19

111.731 $\pm$ 2.126 χ^2 /NDF: 589.0/21

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -337.317+/-0.284 χ^2/NDF : 4275.5/2

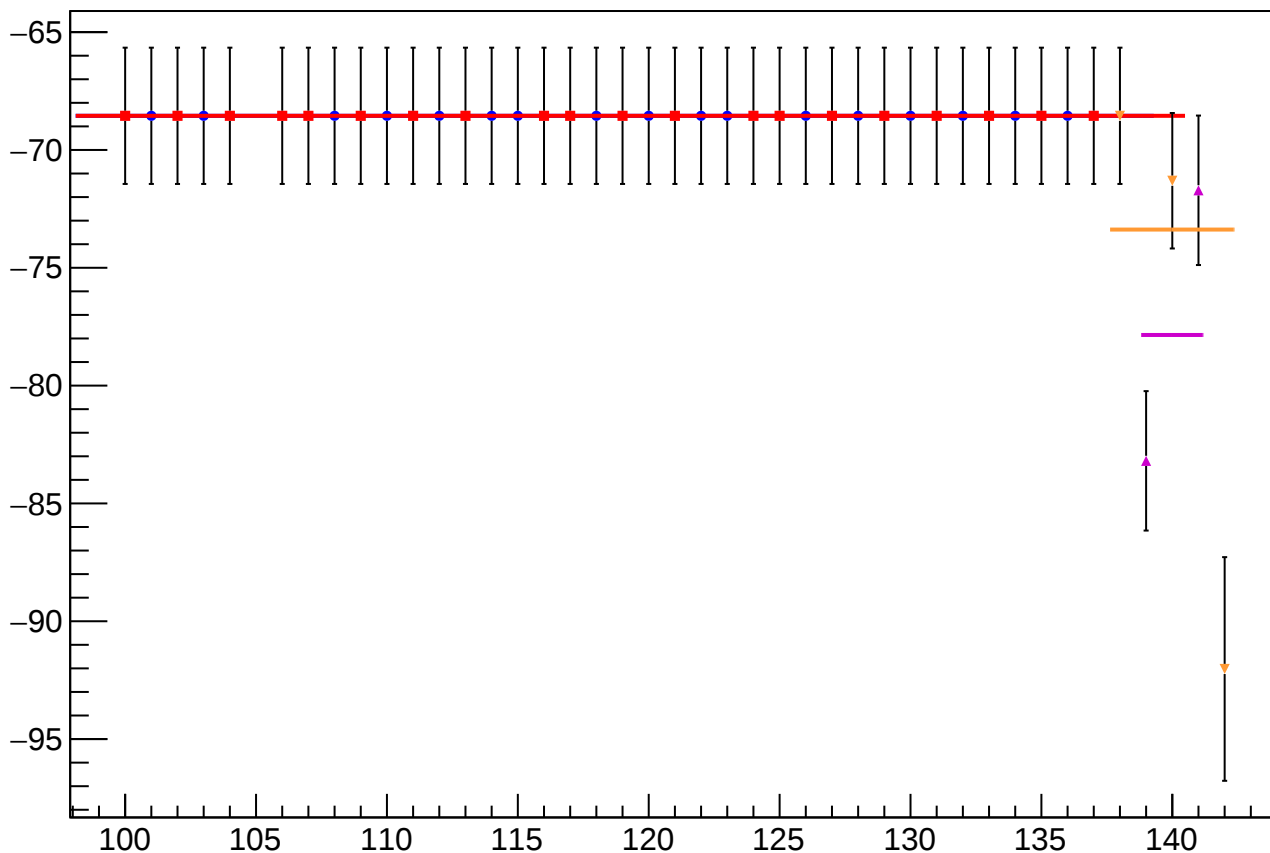
Right Out: -212.679+/-0.130 χ^2/NDF : 115596.4/19

Left In: -329.978+/-0.310 χ^2/NDF : 3192.8/1

-239.710+/-0.123 χ^2/NDF : 296405.6/19

-230.247+/-0.120 χ^2/NDF : 240699.0/21

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -68.551 ± 0.701 χ^2/NDF : 0.0/16

Left Out: -73.378 ± 1.873 χ^2/NDF : 18.7/2

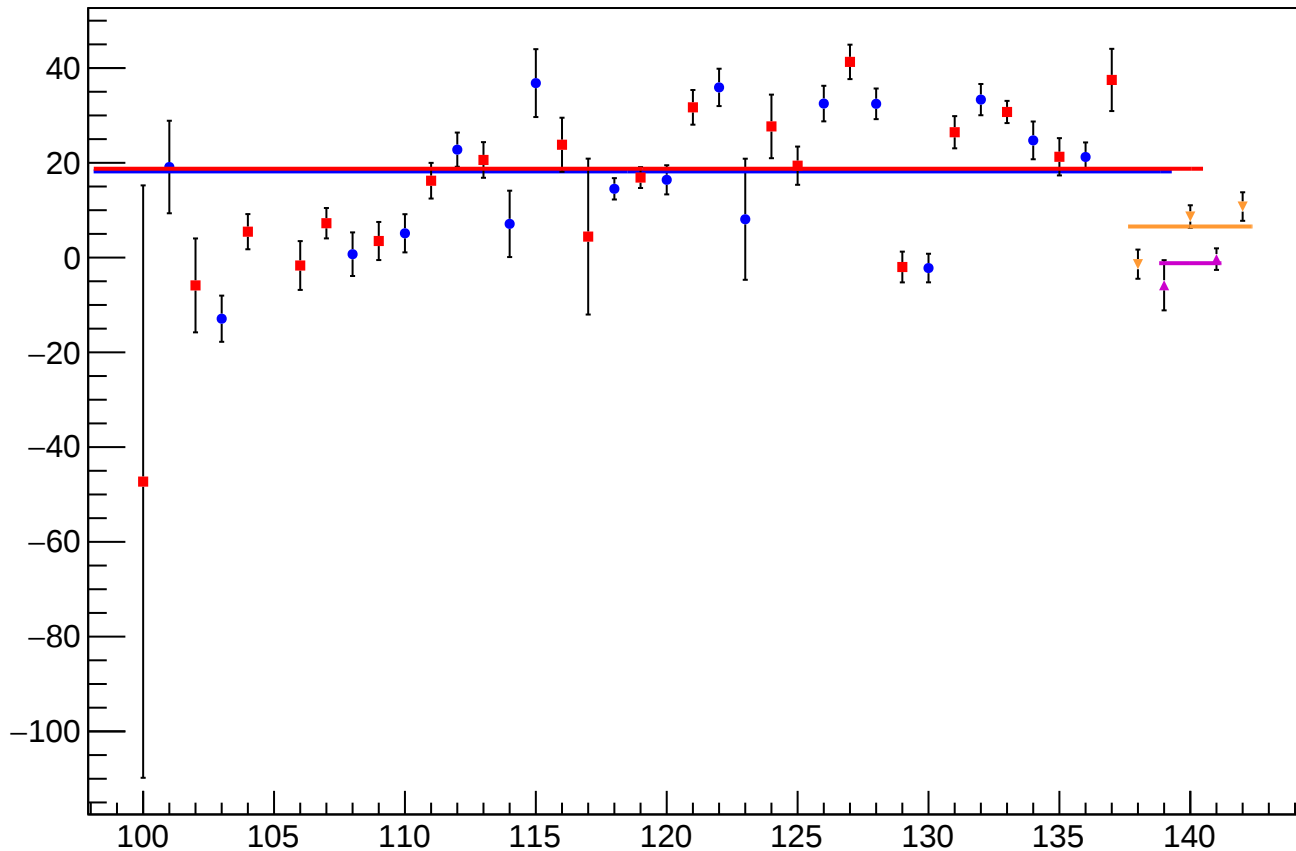
Right Out: -68.551 ± 0.647 χ^2/NDF : 0.0/19

Left In: -77.851 ± 2.163 χ^2/NDF : 7.0/1

-69.145 ± 0.657 χ^2/NDF : 24.6/19

-69.314 ± 0.620 χ^2/NDF : 24.0/21

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 $\pm$ 0.917 χ^2/NDF : 204.9/16

Left Out: 6.559 $\pm$ 1.595 χ^2/NDF : 9.4/2

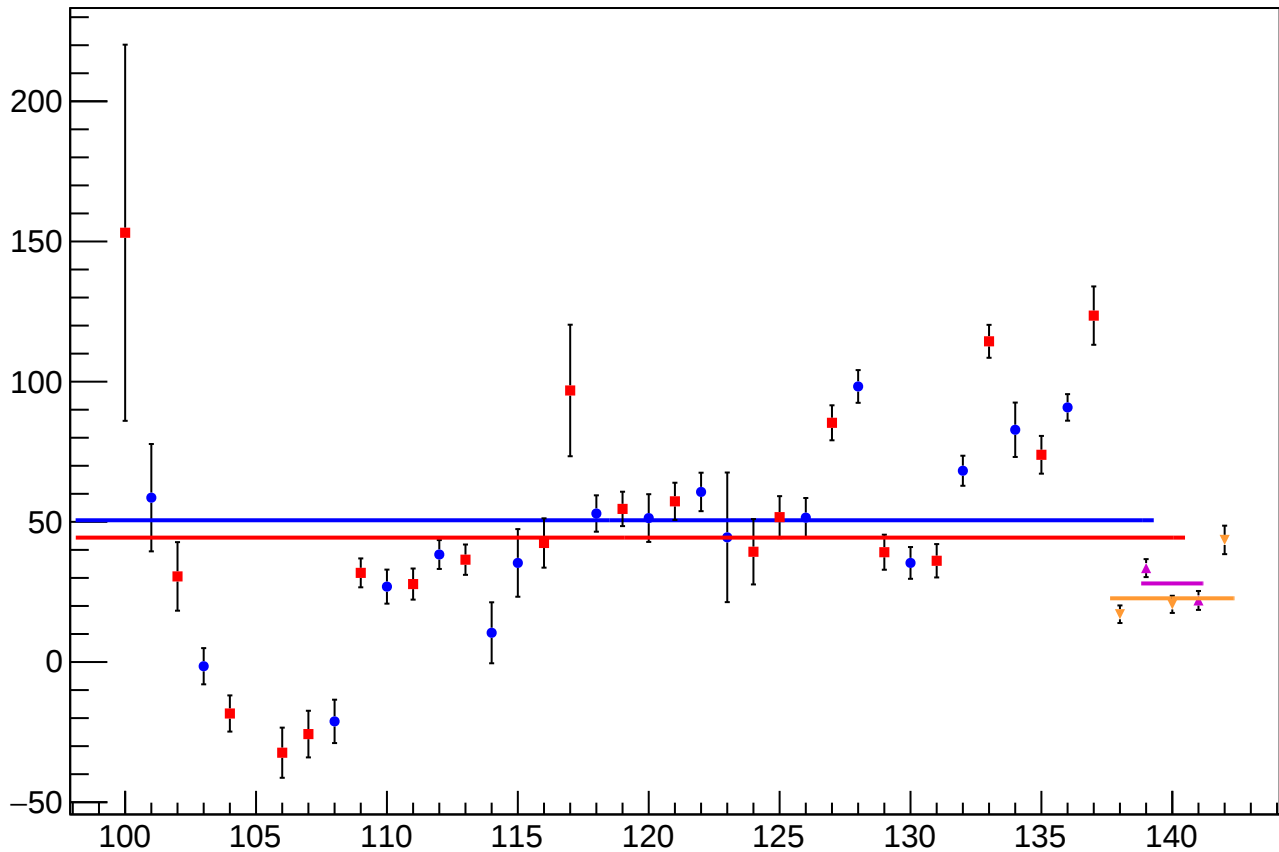
Right Out: 18.752 $\pm$ 0.862 χ^2/NDF : 199.5/19

Left In: -1.183 $\pm$ 2.090 χ^2/NDF : 0.9/1

15.298 $\pm$ 0.795 χ^2/NDF : 254.2/19

15.857 $\pm$ 0.797 χ^2/NDF : 278.2/21

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: 22.729 $\pm$ 2.012 χ^2 /NDF: 20.6/2

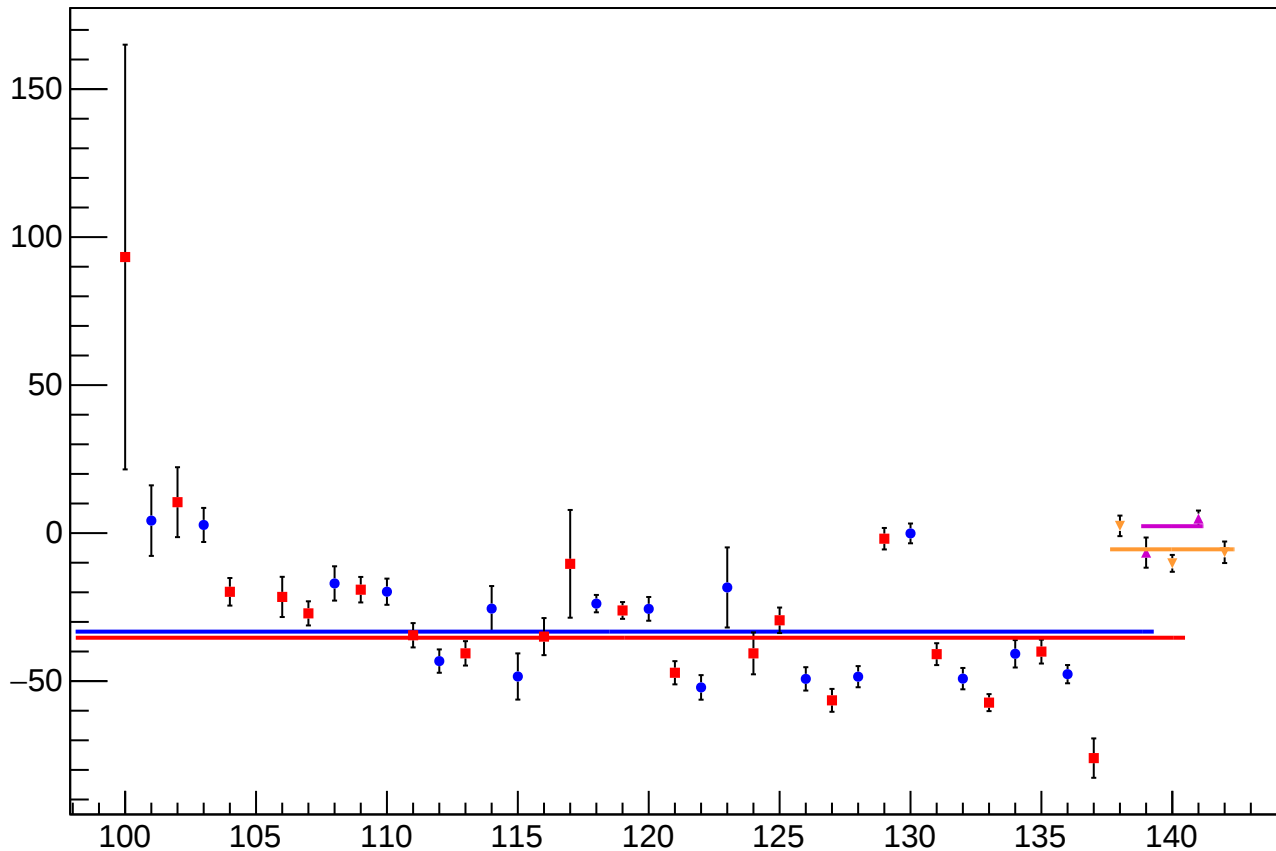
Right Out: 44.377 $\pm$ 1.599 χ^2 /NDF: 537.6/19

Left In: 28.030 $\pm$ 2.324 χ^2 /NDF: 6.1/1

39.148 $\pm$ 1.288 χ^2 /NDF: 491.4/19

39.125 $\pm$ 1.317 χ^2 /NDF: 577.3/21

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -5.479 ± 1.885 χ^2/NDF : 8.1/2

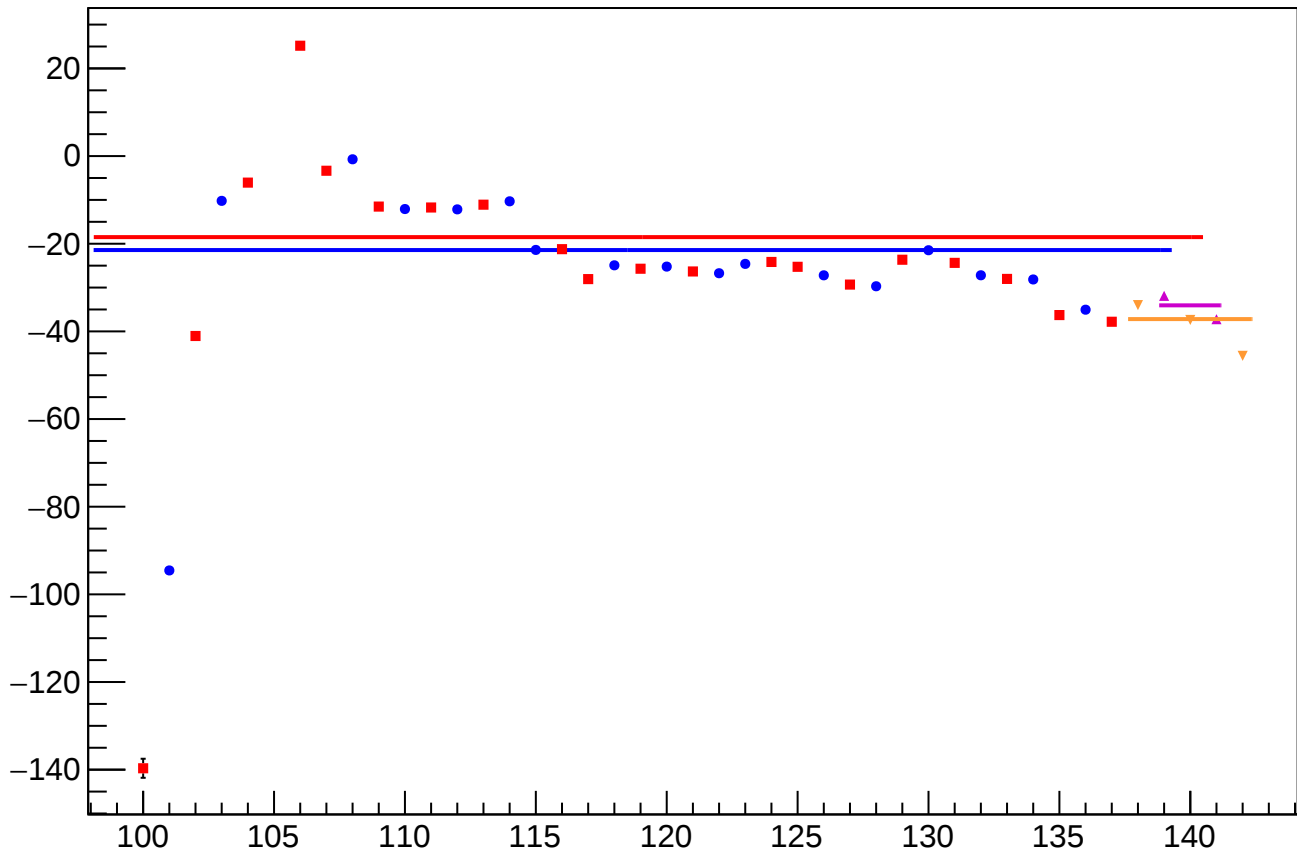
Right Out: -35.343 ± 0.990 χ^2/NDF : 291.6/19

Left In: 2.338 ± 2.405 χ^2/NDF : 3.9/1

-26.758 ± 0.913 χ^2/NDF : 464.7/19

-29.884 ± 0.915 χ^2/NDF : 505.5/21

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -37.193 ± 0.082 $\chi^2/\text{NDF}: 2385.0/2$

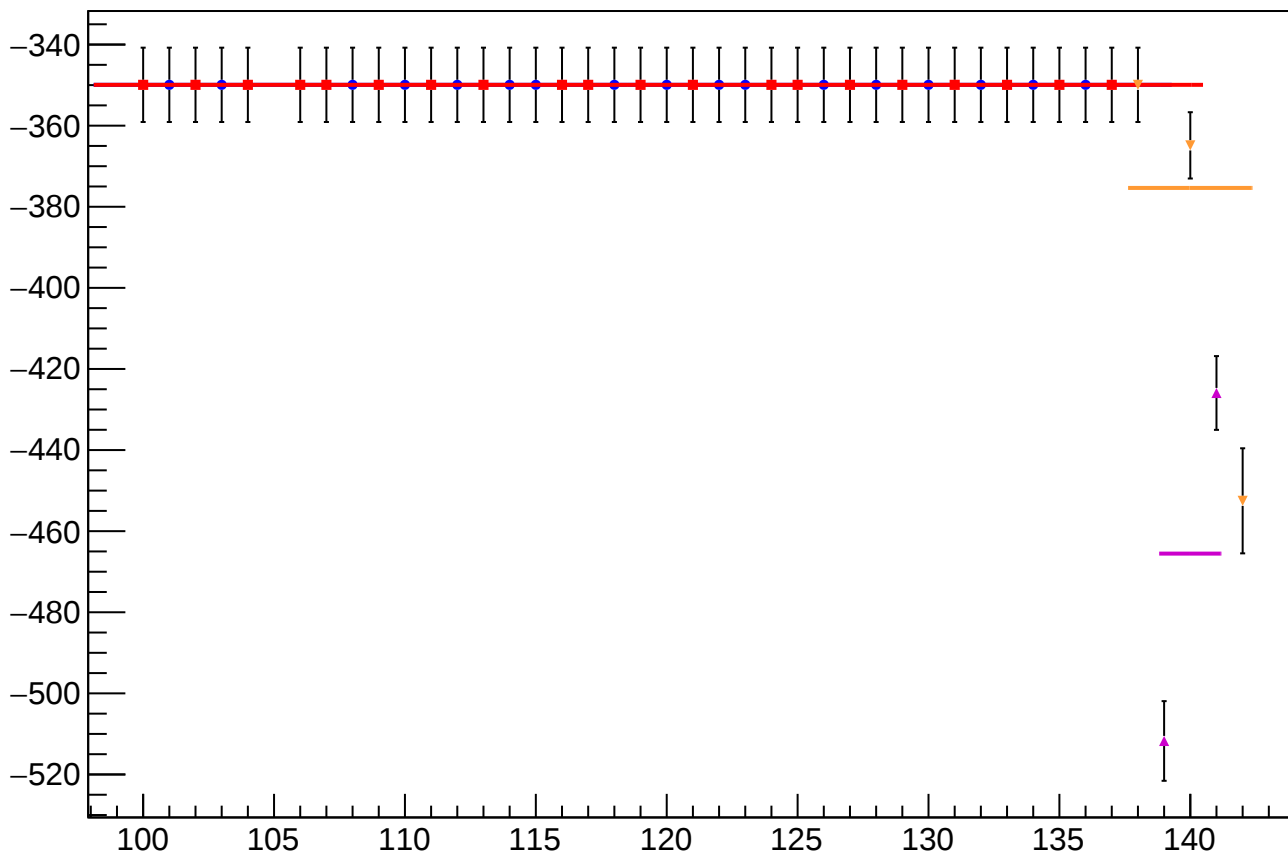
Right Out: -18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

Left In: -34.059 ± 0.087 $\chi^2/\text{NDF}: 912.3/1$

-26.773 ± 0.048 $\chi^2/\text{NDF}: 75548.9/19$

-23.231 ± 0.048 $\chi^2/\text{NDF}: 103925.4/21$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -349.933 ± 2.223 χ^2/NDF : 0.0/16

Left Out: -375.356 ± 5.519 χ^2/NDF : 44.8/2

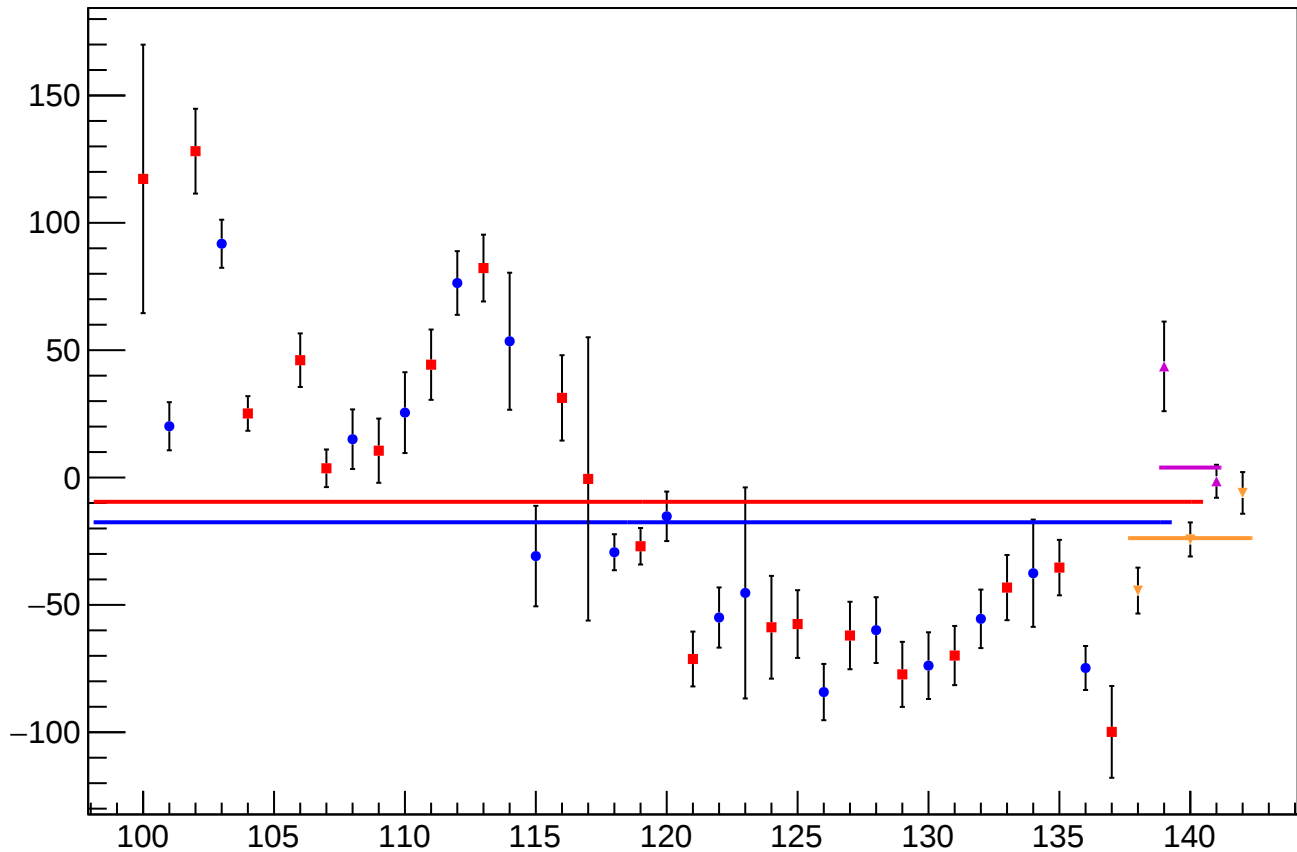
Right Out: -349.933 ± 2.049 χ^2/NDF : 0.0/19

Left In: -465.535 ± 6.674 χ^2/NDF : 41.1/1

-353.481 ± 2.062 χ^2/NDF : 63.1/19

-359.896 ± 1.959 χ^2/NDF : 315.3/21

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: -23.789 ± 4.489 χ^2/NDF : 9.9/2

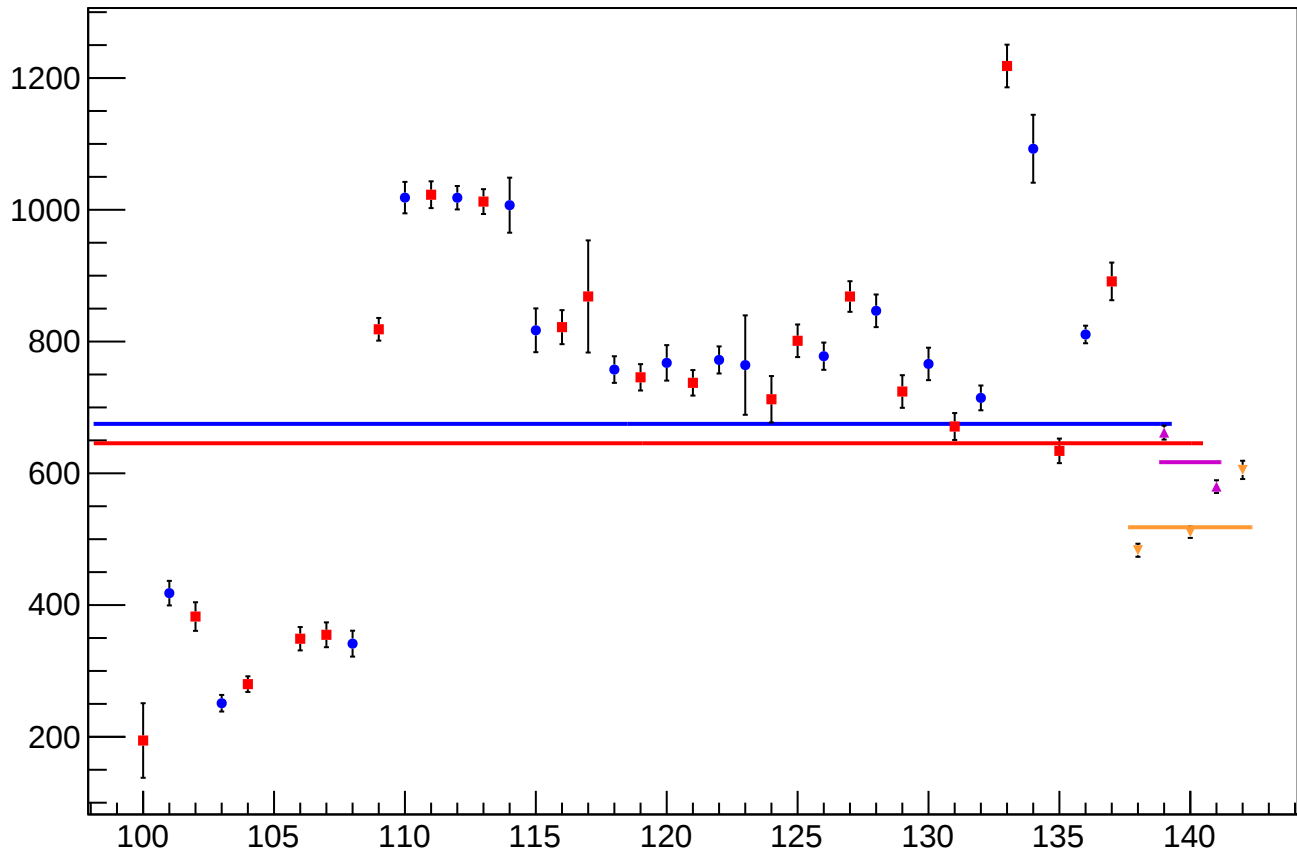
Right Out: -9.527 ± 2.606 χ^2/NDF : 370.3/19

Left In: 3.921 ± 6.079 χ^2/NDF : 5.8/1

-19.325 ± 2.388 χ^2/NDF : 375.1/19

-7.440 ± 2.395 χ^2/NDF : 380.2/21

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 518.138 $\pm$ 5.920 χ^2 /NDF:52.5/2

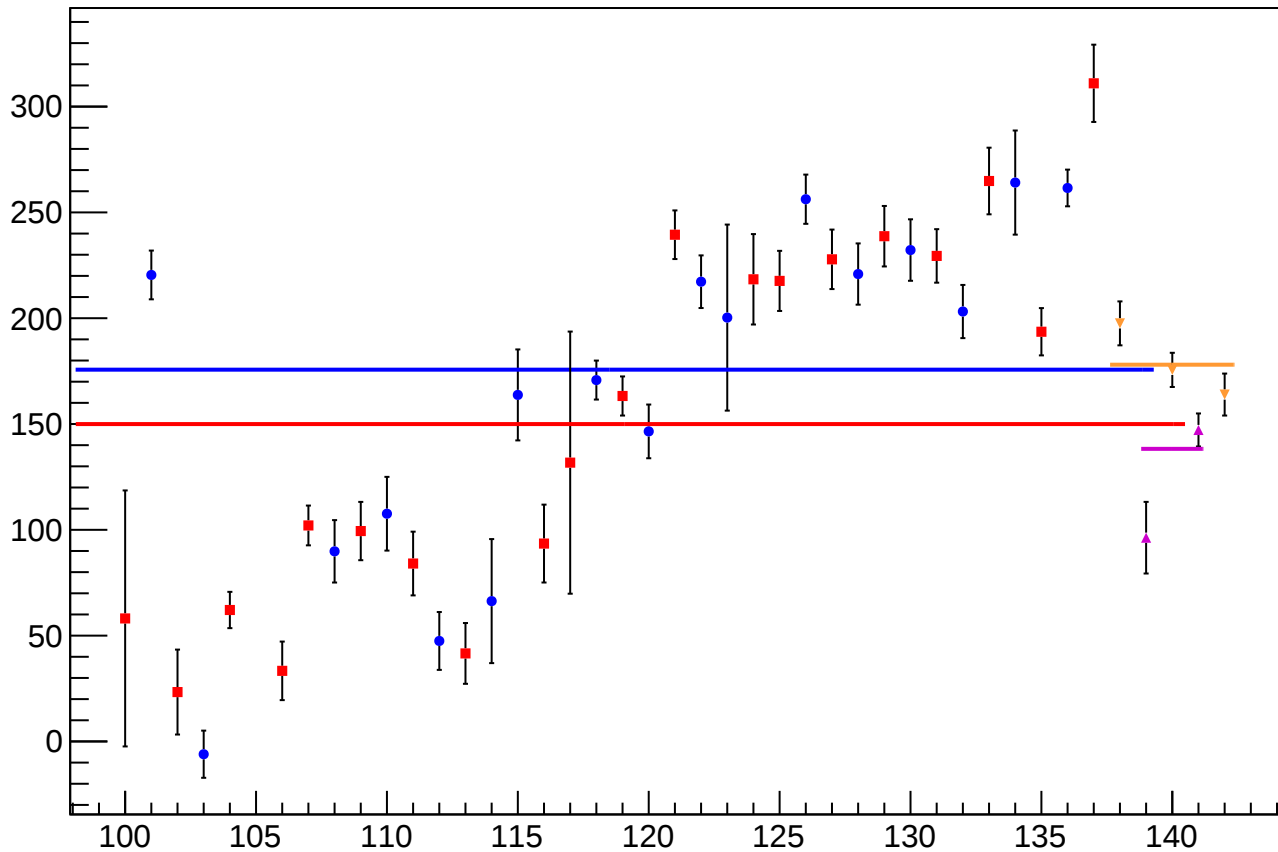
Right Out: 645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

Left In: 616.896 $\pm$ 7.157 χ^2 /NDF:32.5/1

608.695 $\pm$ 3.850 χ^2 /NDF: 3042.3/19

636.822 $\pm$ 3.960 χ^2 /NDF: 3172.7/21

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686+/-3.239 χ^2/NDF : 637.9/16

Left Out: 178.034+/-5.363 χ^2/NDF : 5.7/2

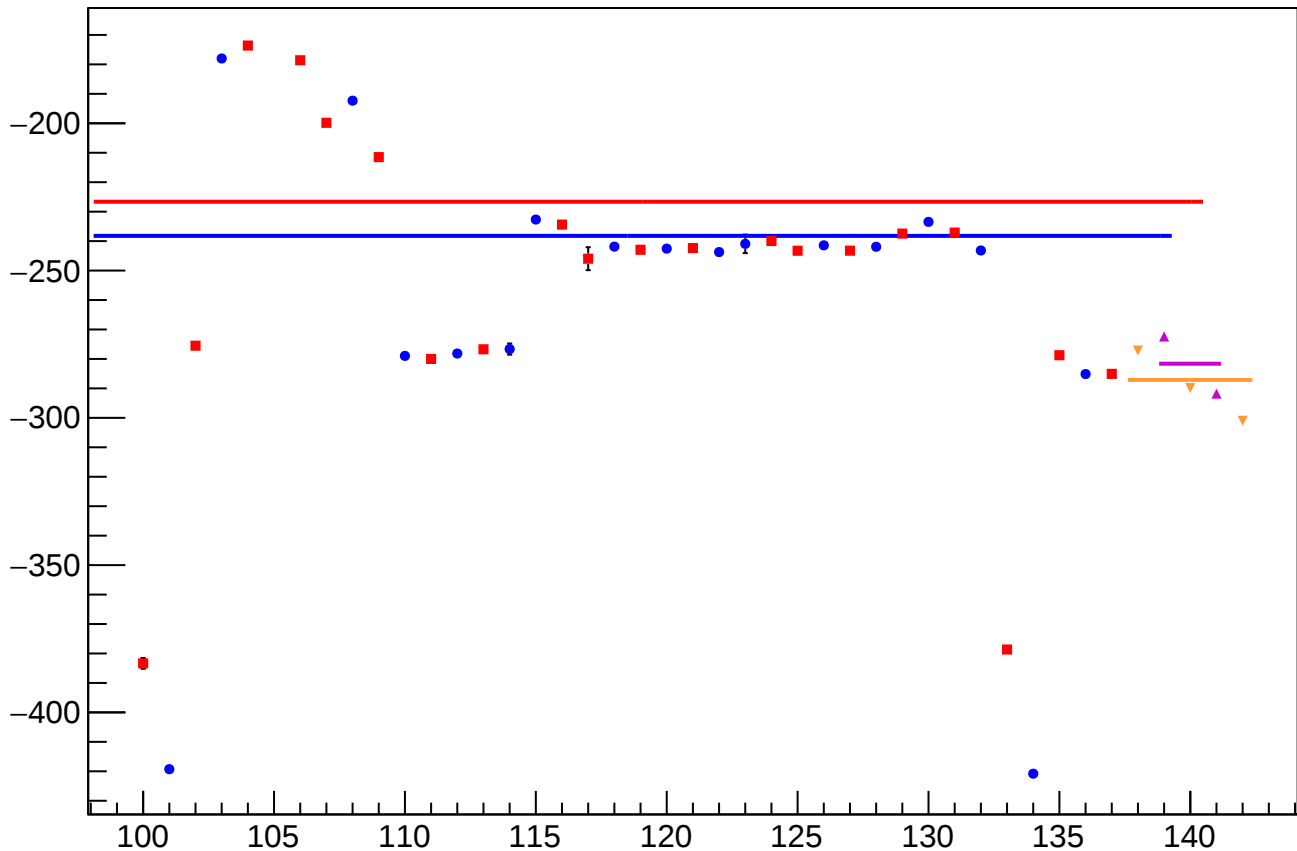
Right Out: 149.973+/-3.038 χ^2/NDF : 693.8/19

Left In: 138.264+/-7.086 χ^2/NDF : 7.5/1

176.313+/-2.772 χ^2/NDF : 643.7/19

148.154+/-2.792 χ^2/NDF : 703.6/21

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 $\chi^2/\text{NDF}: 167120.0/16$

Left Out: -287.120 ± 0.246 $\chi^2/\text{NDF}: 1307.6/2$

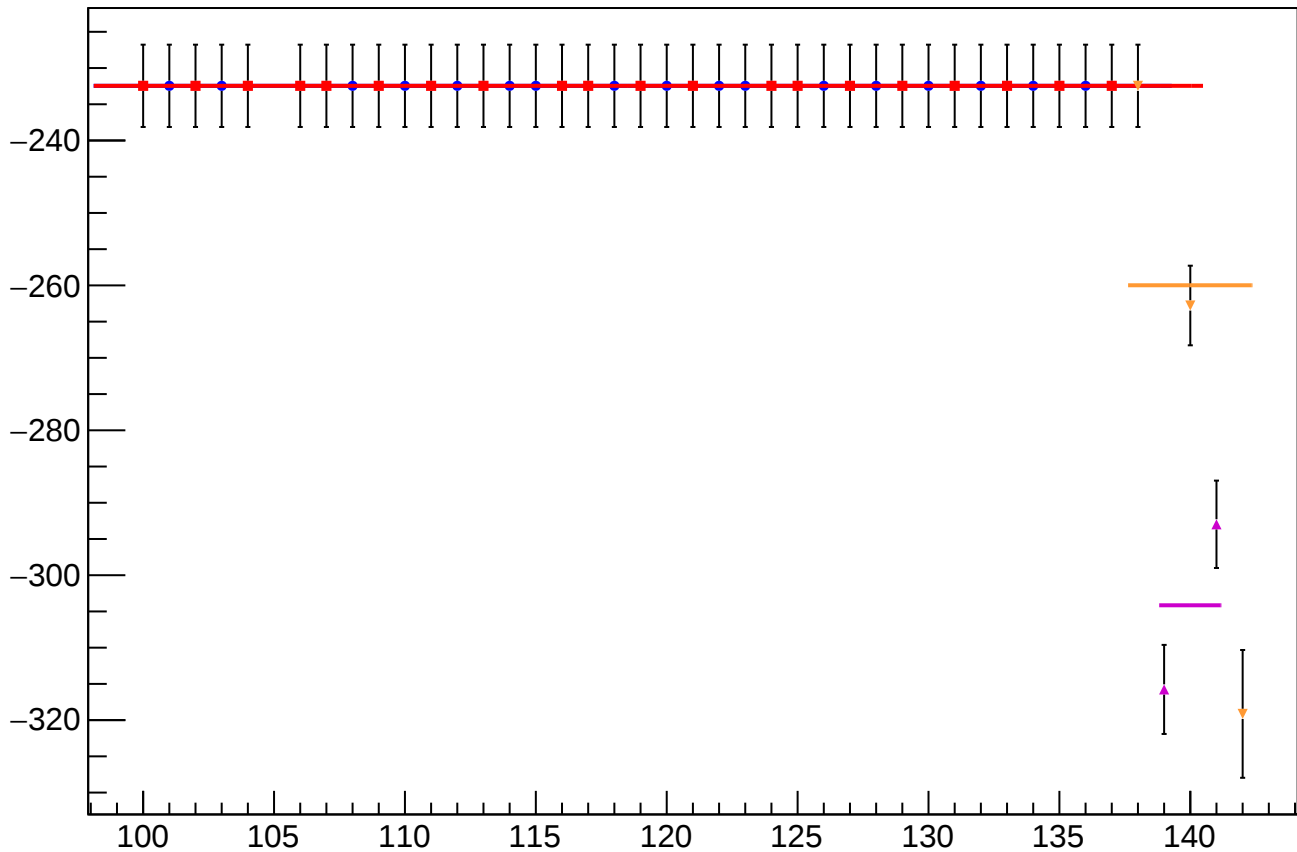
Right Out: -226.626 ± 0.151 $\chi^2/\text{NDF}: 102587.0/19$

Left In: -281.620 ± 0.271 $\chi^2/\text{NDF}: 1279.7/1$

-252.801 ± 0.134 $\chi^2/\text{NDF}: 196129.4/19$

-239.698 ± 0.132 $\chi^2/\text{NDF}: 135348.3/21$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -232.456+/-1.378 χ^2/NDF : 0.0/16

Left Out: -259.982+/-3.604 χ^2/NDF : 68.7/2

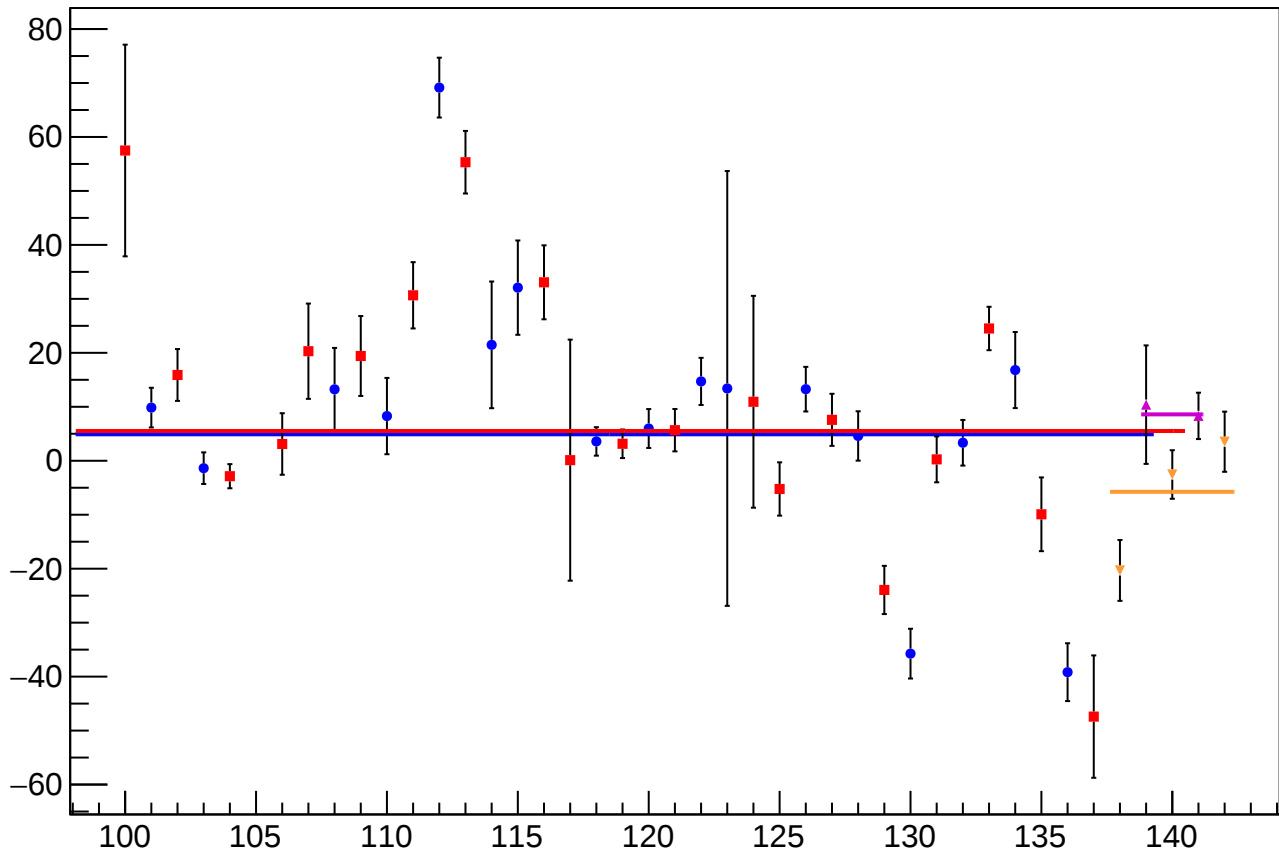
Right Out: -232.456+/-1.270 χ^2/NDF : 0.0/19

Left In: -304.150+/-4.305 χ^2/NDF : 7.0/1

-235.965+/-1.287 χ^2/NDF : 119.6/19

-238.198+/-1.218 χ^2/NDF : 262.2/21

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 $\pm$ 1.105 χ^2/NDF : 311.7/16

Left Out: -5.755 $\pm$ 2.974 χ^2/NDF : 10.0/2

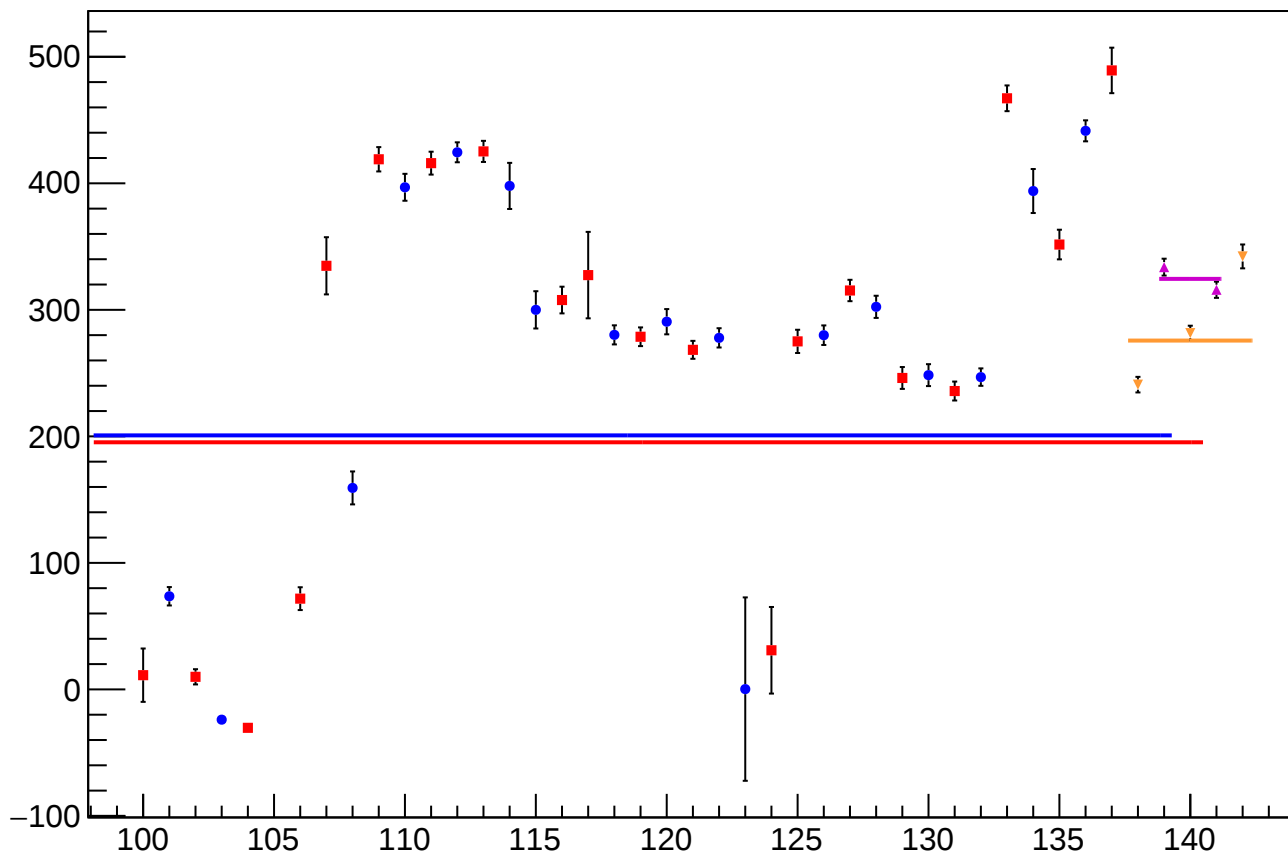
Right Out: 5.517 $\pm$ 1.067 χ^2/NDF : 239.0/19

Left In: 8.593 $\pm$ 4.000 χ^2/NDF : 0.0/1

3.611 $\pm$ 1.036 χ^2/NDF : 332.9/19

5.722 $\pm$ 1.031 χ^2/NDF : 239.5/21

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 275.712 $\pm$ 3.869 χ^2 /NDF: 82.7/2

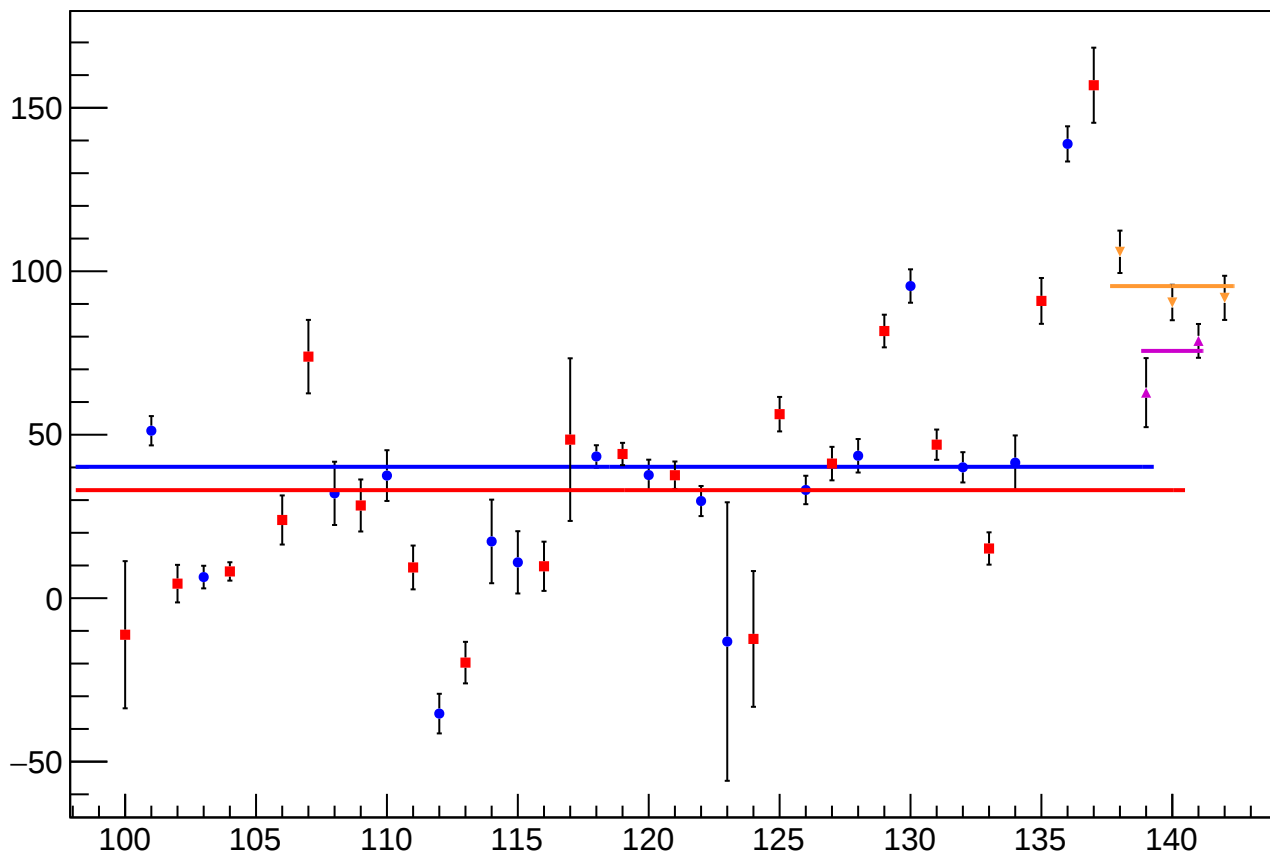
Right Out: 195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

Left In: 324.471 $\pm$ 4.620 χ^2 /NDF: 3.7/1

216.367 $\pm$ 1.765 χ^2 /NDF: 7112.8/19

214.346 $\pm$ 1.774 χ^2 /NDF: 8932.3/21

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 χ^2/NDF : 734.6/16

Left Out: 95.463 ± 3.542 χ^2/NDF : 3.8/2

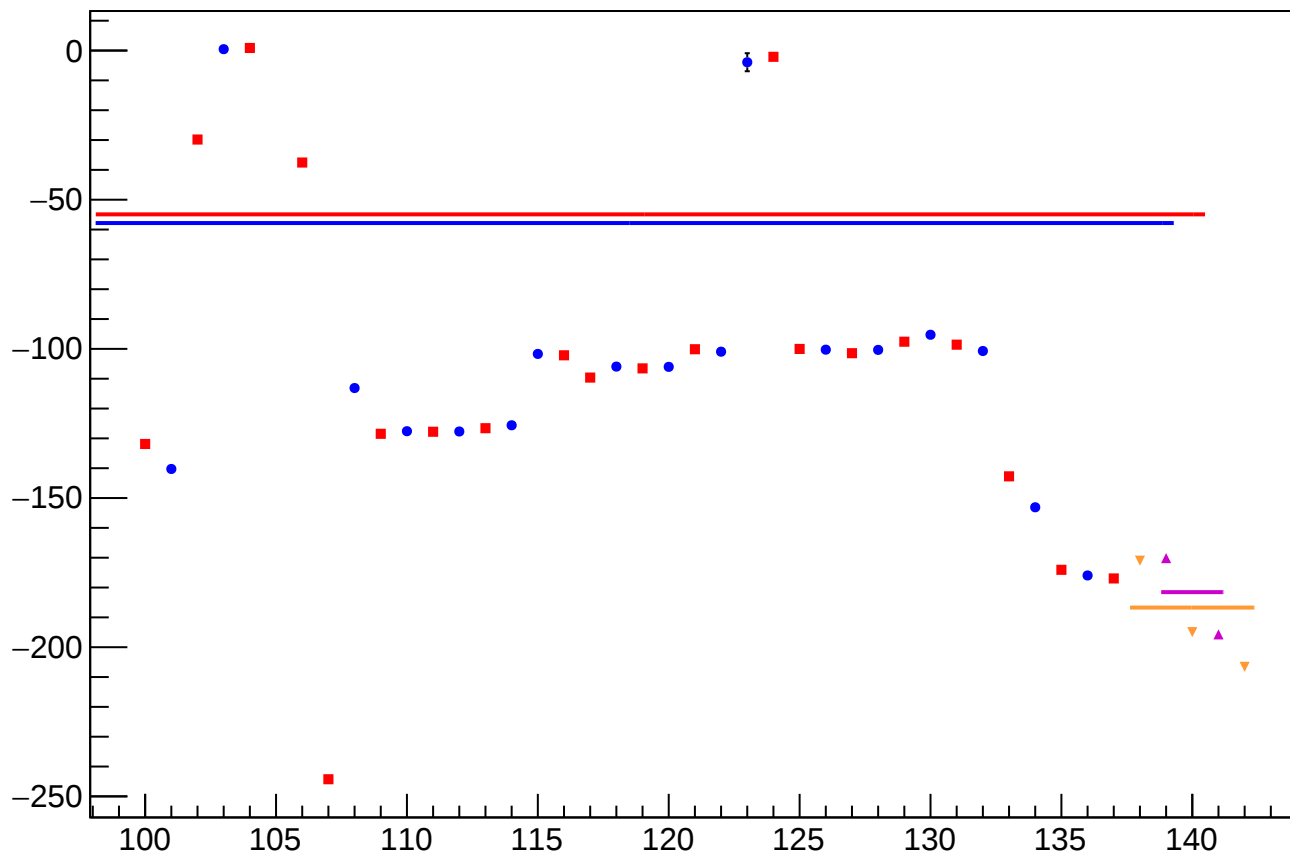
Right Out: 33.045 ± 1.249 χ^2/NDF : 553.1/19

Left In: 75.640 ± 4.646 χ^2/NDF : 1.8/1

46.598 ± 1.206 χ^2/NDF : 953.6/19

35.915 ± 1.206 χ^2/NDF : 633.3/21

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821+/-0.062 χ^2/NDF : 1101296.2/16

Left Out: -186.714+/-0.160 χ^2/NDF : 7924.9/2

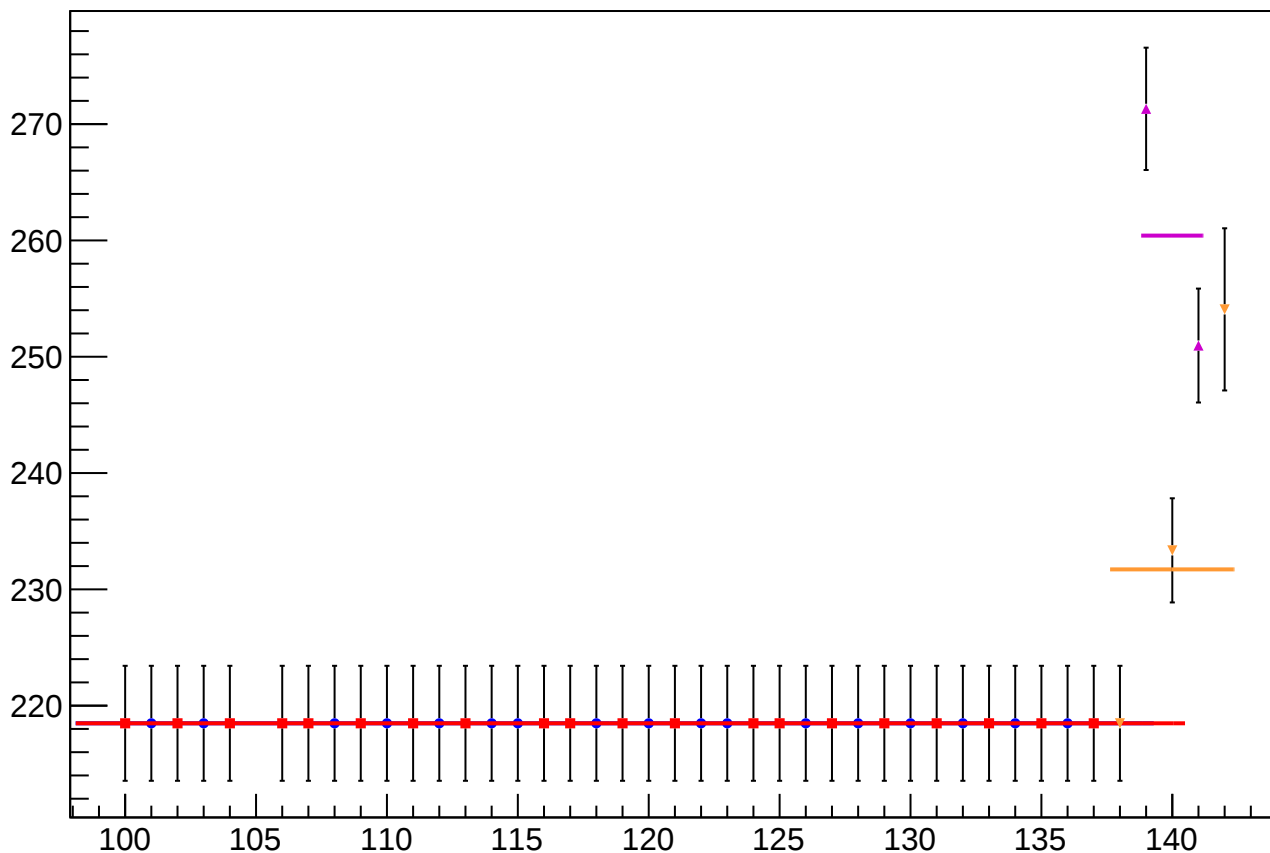
Right Out: -54.915+/-0.060 χ^2/NDF : 1001968.3/19

Left In: -181.542+/-0.174 χ^2/NDF : 5357.0/1

-74.526+/-0.058 χ^2/NDF : 1673200.8/19

-68.501+/-0.057 χ^2/NDF : 1482246.2/21

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 218.484 ± 1.199 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 231.717 ± 2.997 $\chi^2/\text{NDF}: 17.6/2$

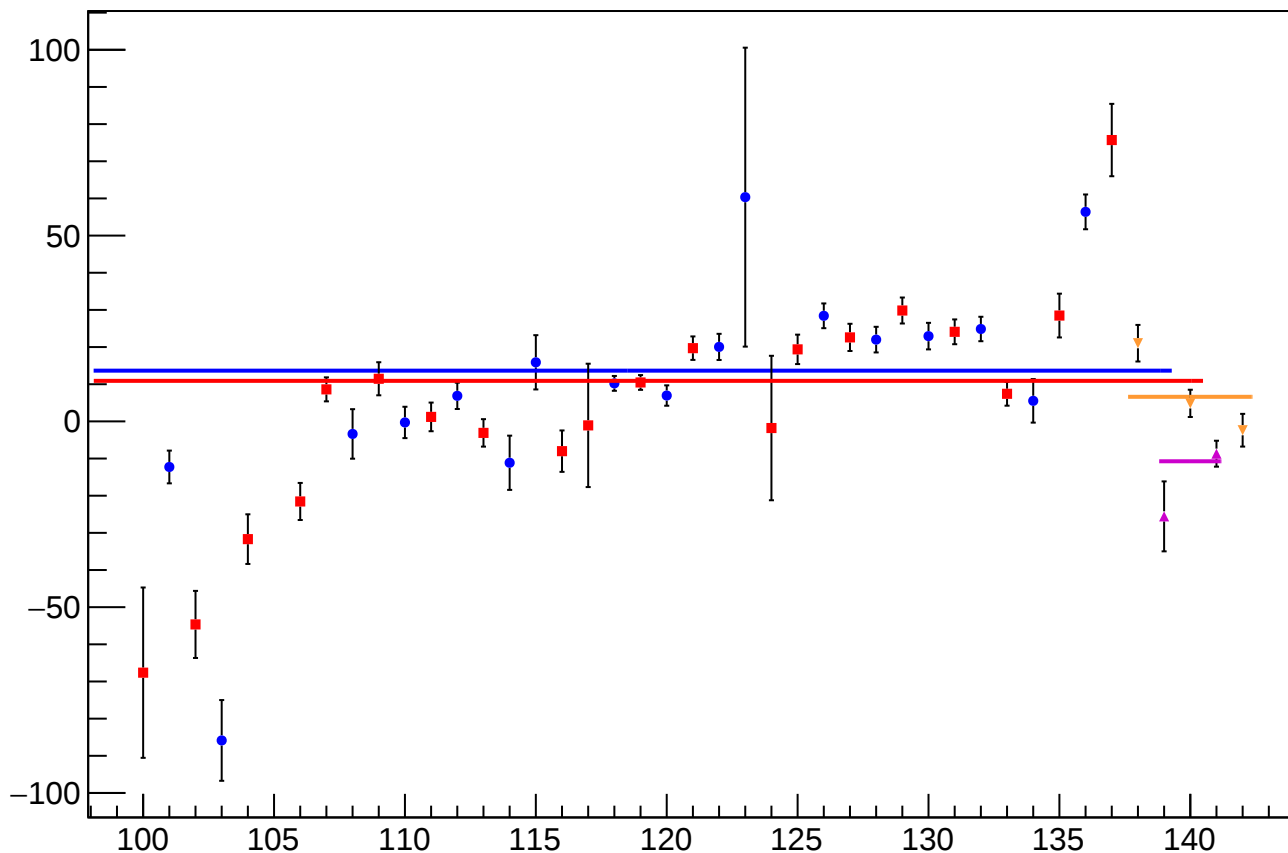
Right Out: 218.484 ± 1.105 $\chi^2/\text{NDF}: 0.0/19$

Left In: 260.415 ± 3.584 $\chi^2/\text{NDF}: 8.0/1$

220.310 ± 1.113 $\chi^2/\text{NDF}: 34.4/19$

222.126 ± 1.056 $\chi^2/\text{NDF}: 133.0/21$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 $\pm$ 0.936 χ^2/NDF : 294.0/16

Left Out: 6.613 $\pm$ 2.446 χ^2/NDF :13.0/2

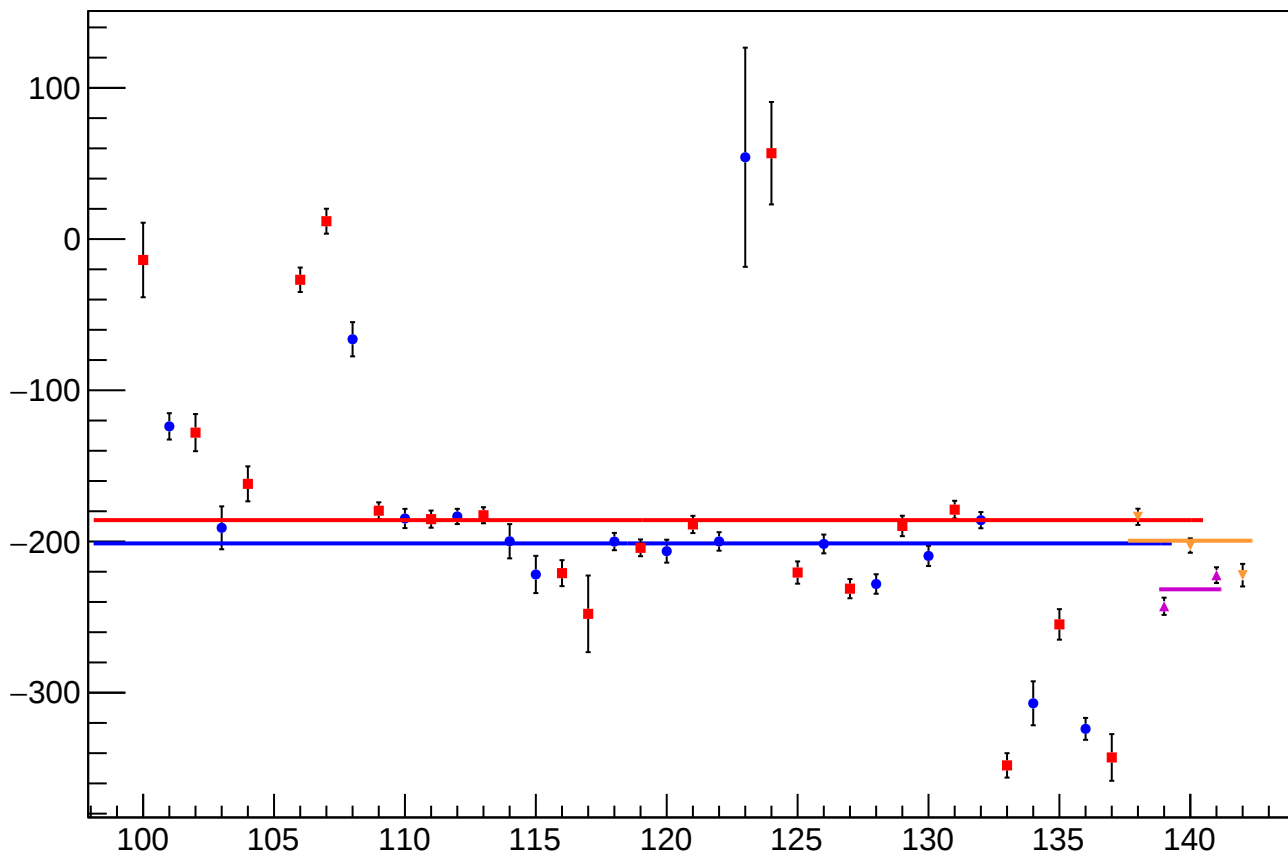
Right Out: 10.908 $\pm$ 0.912 χ^2/NDF : 303.1/19

Left In: -10.736 $\pm$ 3.273 χ^2/NDF :2.8/1

12.753 $\pm$ 0.874 χ^2/NDF : 314.2/19

9.349 $\pm$ 0.878 χ^2/NDF : 346.5/21

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -199.488 ± 3.215 χ^2/NDF : 18.5/2

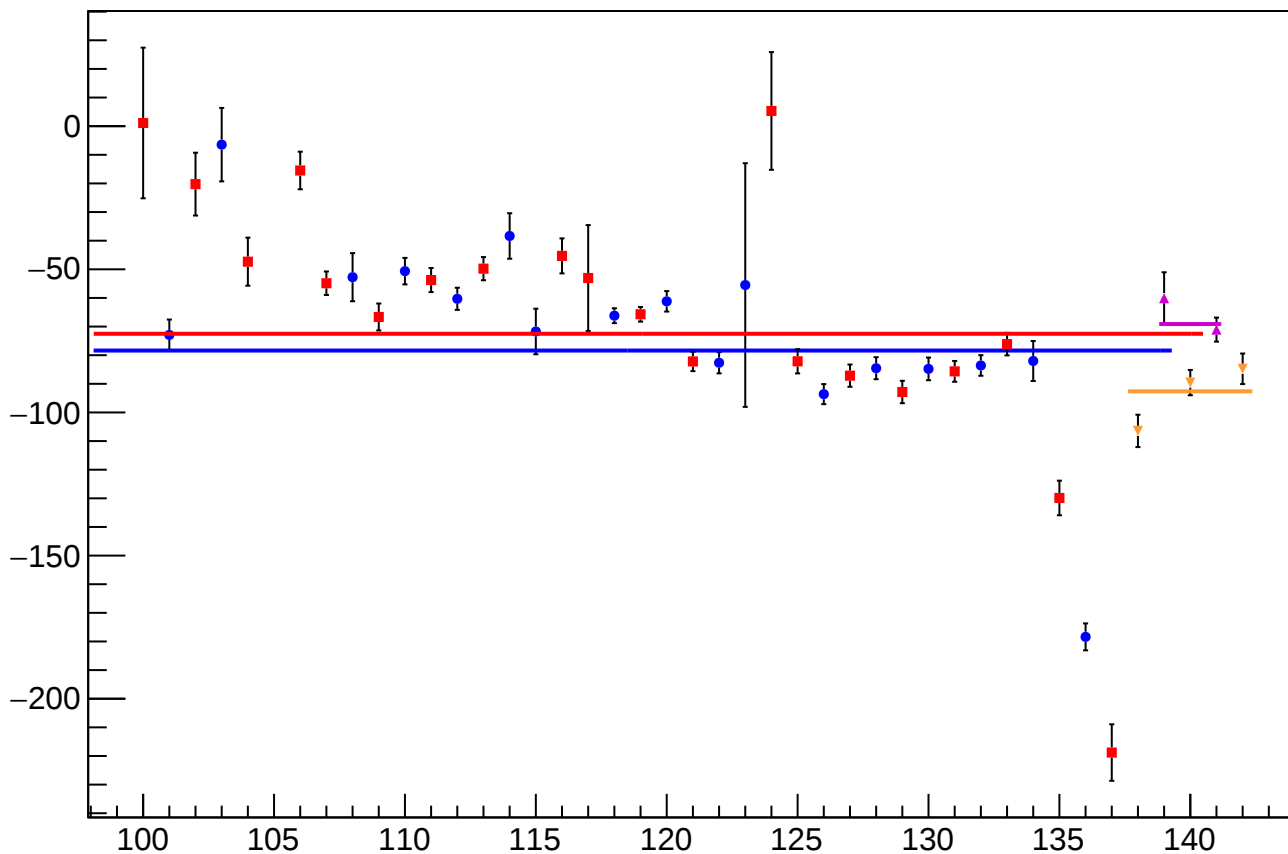
Right Out: -185.871 ± 1.695 χ^2/NDF : 1752.0/19

Left In: -231.634 ± 3.844 χ^2/NDF : 7.1/1

-200.843 ± 1.567 χ^2/NDF : 642.1/19

-193.325 ± 1.551 χ^2/NDF : 1877.8/21

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376+/-1.081 χ^2/NDF : 651.4/16

Left Out: -92.621+/-2.916 χ^2/NDF : 8.6/2

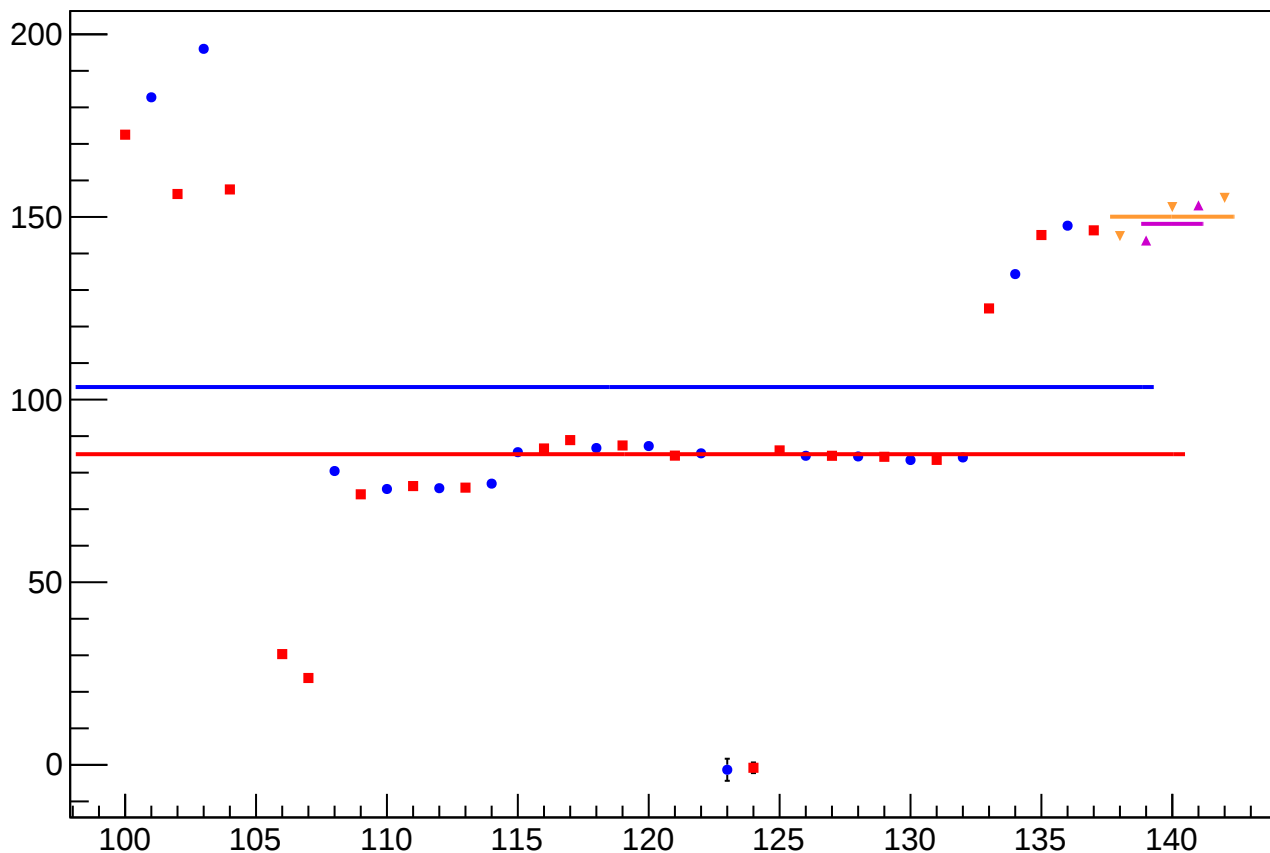
Right Out: -72.514+/-1.050 χ^2/NDF : 607.0/19

Left In: -69.114+/-3.812 χ^2/NDF : 1.2/1

-80.098+/-1.014 χ^2/NDF : 681.0/19

-72.274+/-1.012 χ^2/NDF : 608.9/21

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 150.074 $\pm$ 0.133 χ^2/NDF :1081.8/2

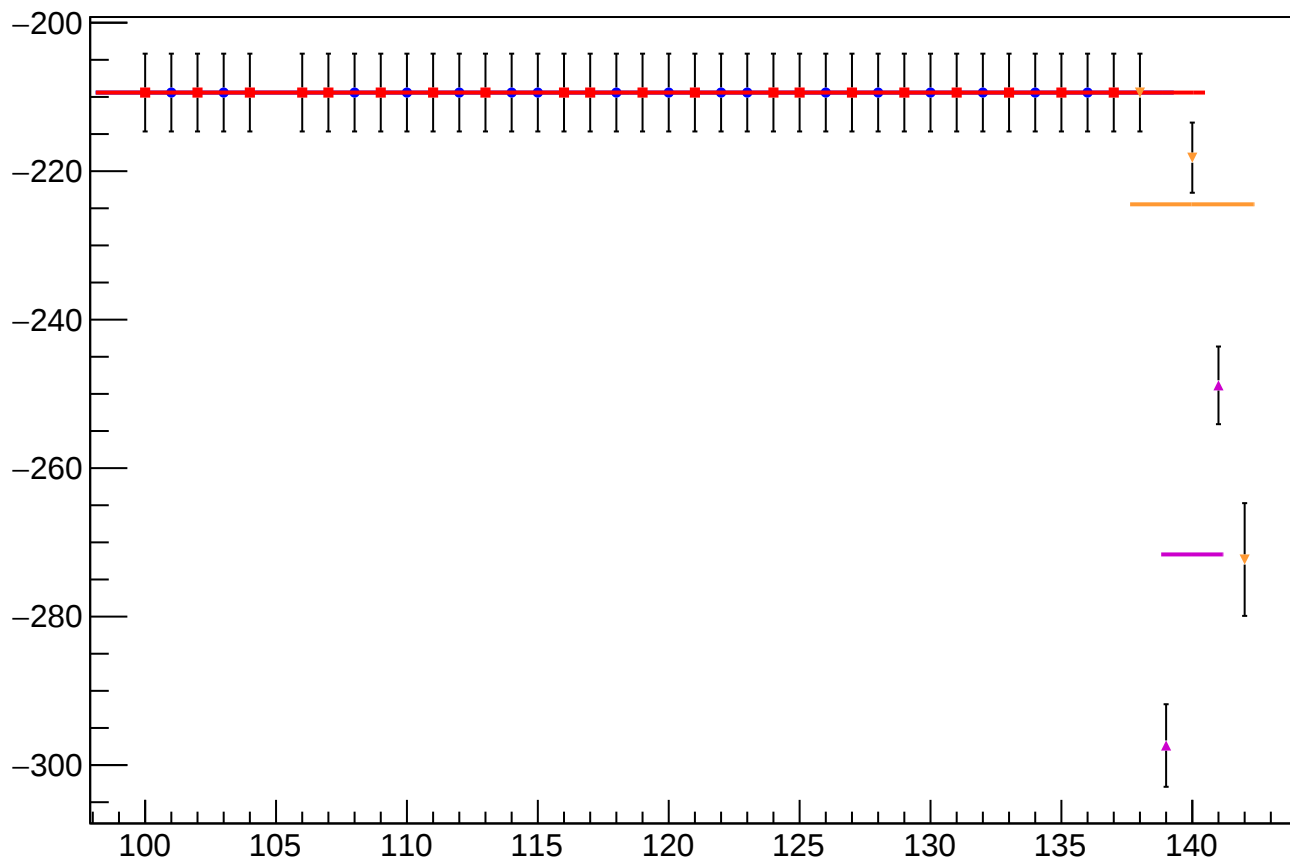
Right Out: 85.054 $\pm$ 0.064 χ^2/NDF : 422354.0/19

Left In: 148.111 $\pm$ 0.145 χ^2/NDF :1093.6/1

113.727 $\pm$ 0.063 χ^2/NDF : 369402.5/19

95.220 $\pm$ 0.058 χ^2/NDF : 581705.7/21

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -209.411 ± 1.271 χ^2/NDF : 0.0/16

Left Out: -224.464 ± 3.186 χ^2/NDF : 49.7/2

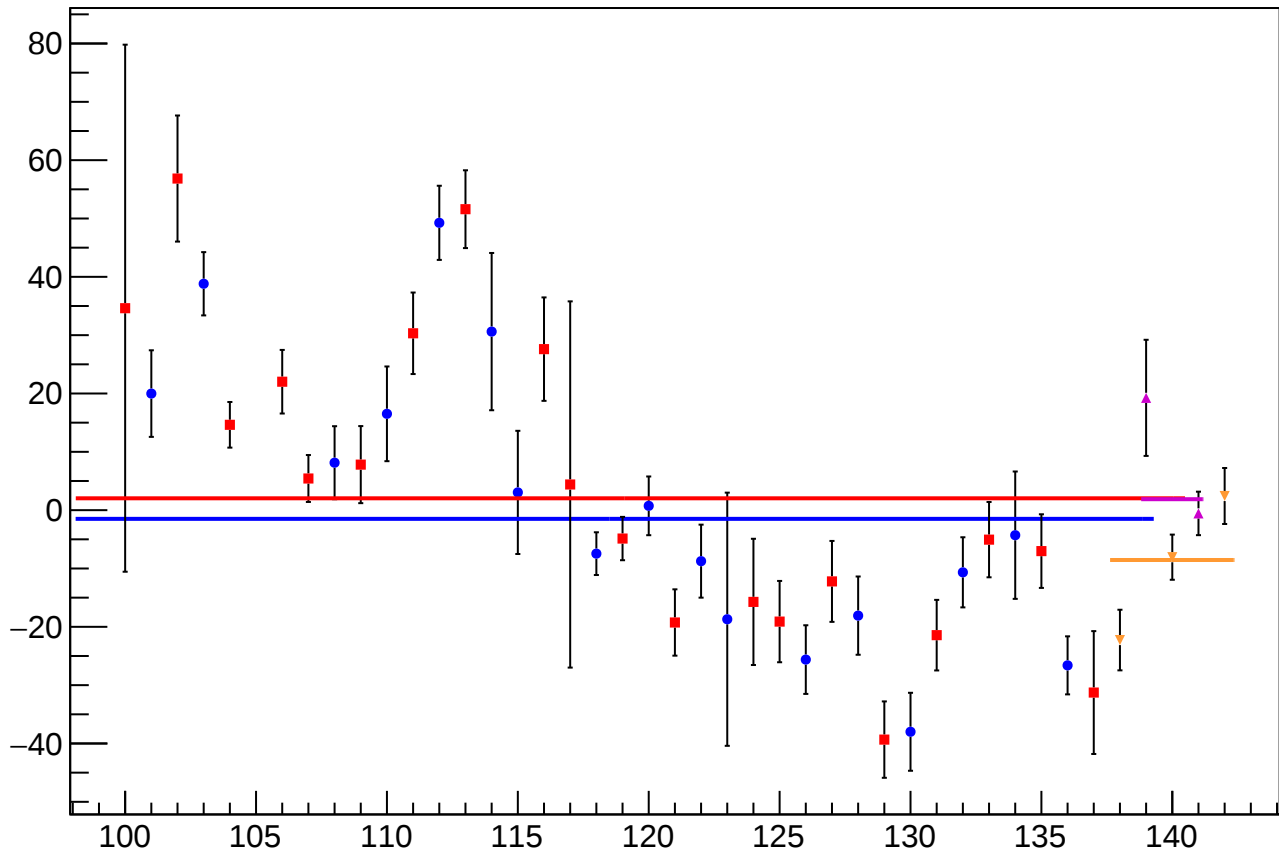
Right Out: -209.411 ± 1.172 χ^2/NDF : 0.0/19

Left In: -271.625 ± 3.810 χ^2/NDF : 40.4/1

-211.477 ± 1.180 χ^2/NDF : 69.0/19

-214.785 ± 1.120 χ^2/NDF : 284.0/21

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490+/-1.536 χ^2/NDF : 226.0/16

Left Out: -8.544+/-2.607 χ^2/NDF : 12.2/2

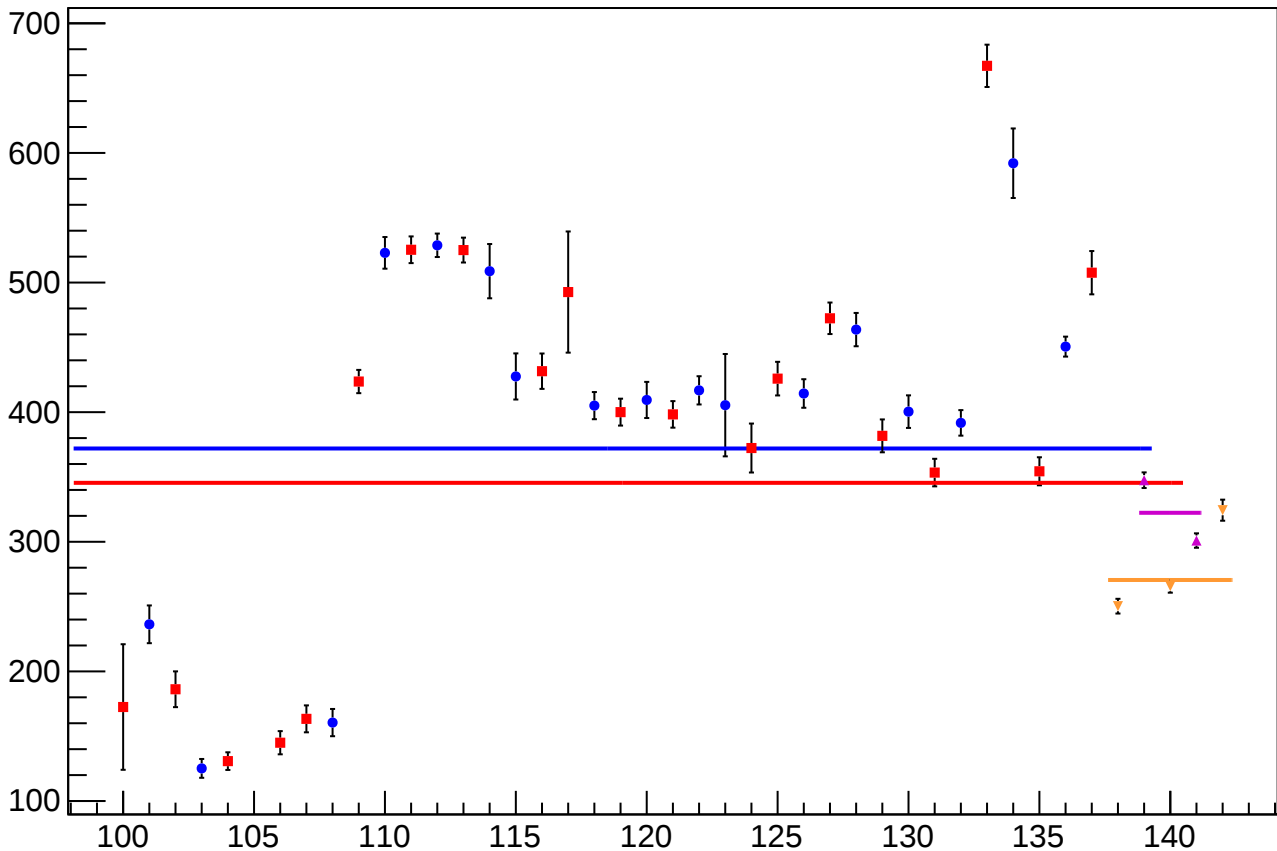
Right Out: 2.032+/-1.398 χ^2/NDF : 233.3/19

Left In: 1.879+/-3.491 χ^2/NDF : 3.5/1

-3.309+/-1.323 χ^2/NDF : 243.6/19

2.011+/-1.298 χ^2/NDF : 236.8/21

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 270.532 $\pm$ 3.417 χ^2 /NDF:57.4/2

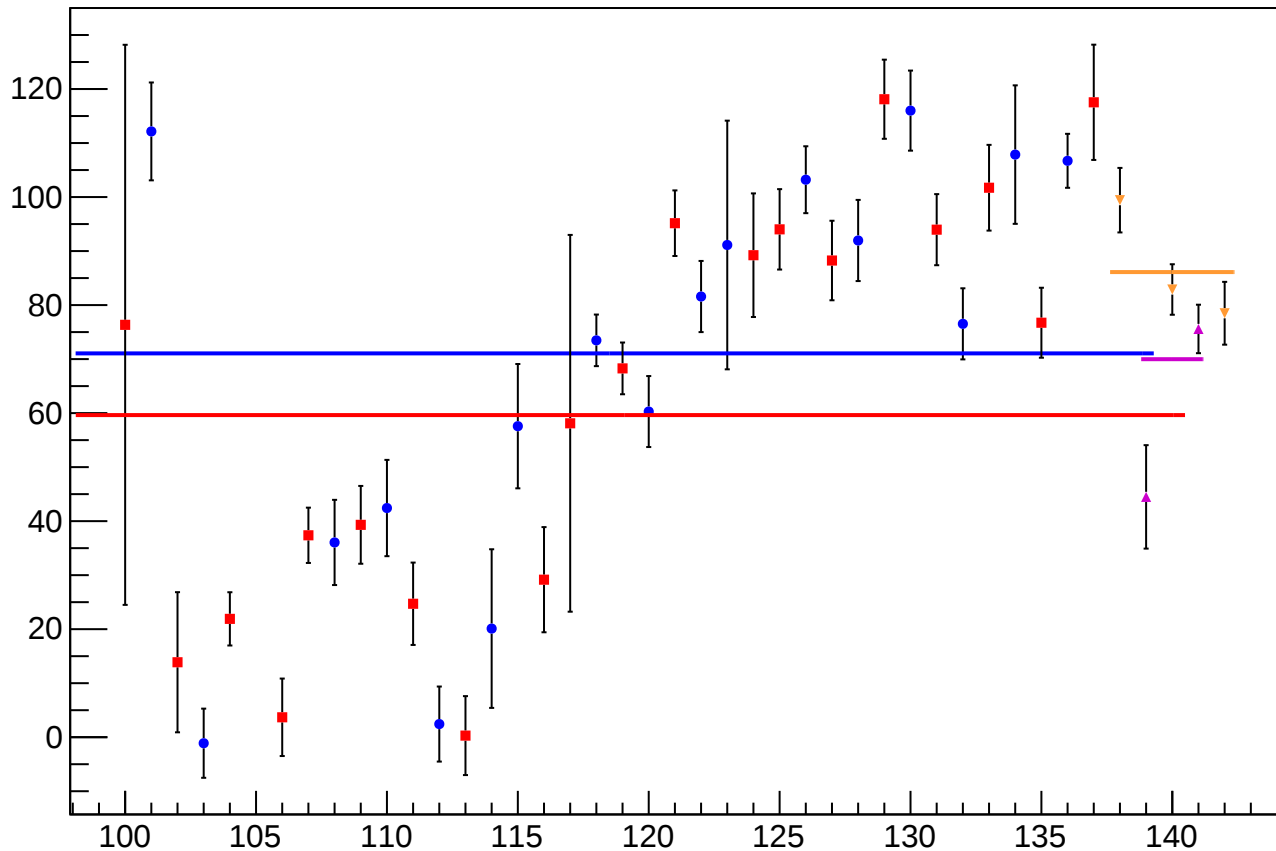
Right Out: 345.485 $\pm$ 2.558 χ^2 /NDF: 3425.1/19

Left In: 322.366 $\pm$ 4.087 χ^2 /NDF:32.2/1

331.614 $\pm$ 2.155 χ^2 /NDF: 3020.7/19

338.977 $\pm$ 2.168 χ^2 /NDF: 3480.4/21

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 86.111 $\pm$ 3.110 χ^2 /NDF: 7.2/2

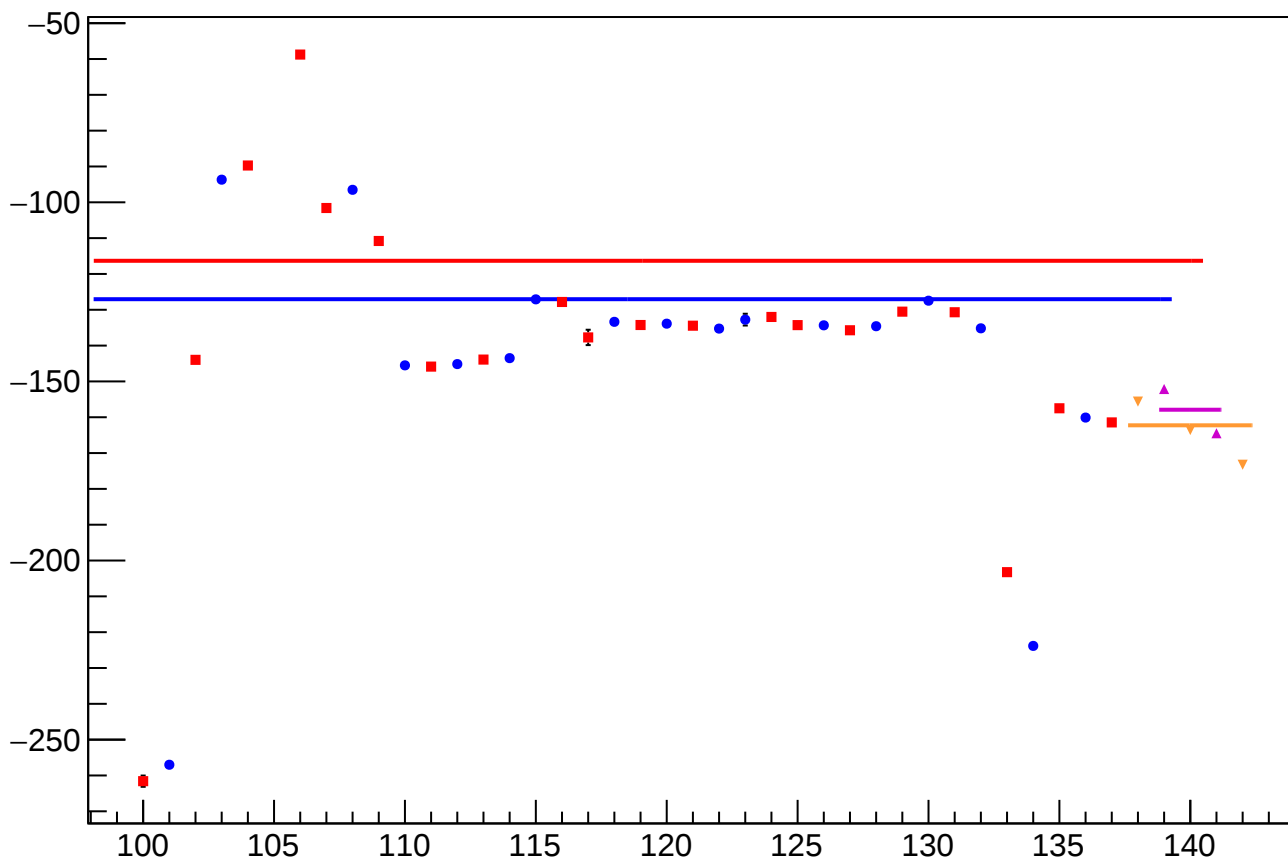
Right Out: 59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

Left In: 69.982 $\pm$ 4.064 χ^2 /NDF: 8.6/1

74.720 $\pm$ 1.534 χ^2 /NDF: 451.1/19

61.067 $\pm$ 1.512 χ^2 /NDF: 505.9/21

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -162.253+/-0.142 χ^2/NDF : 2031.5/2

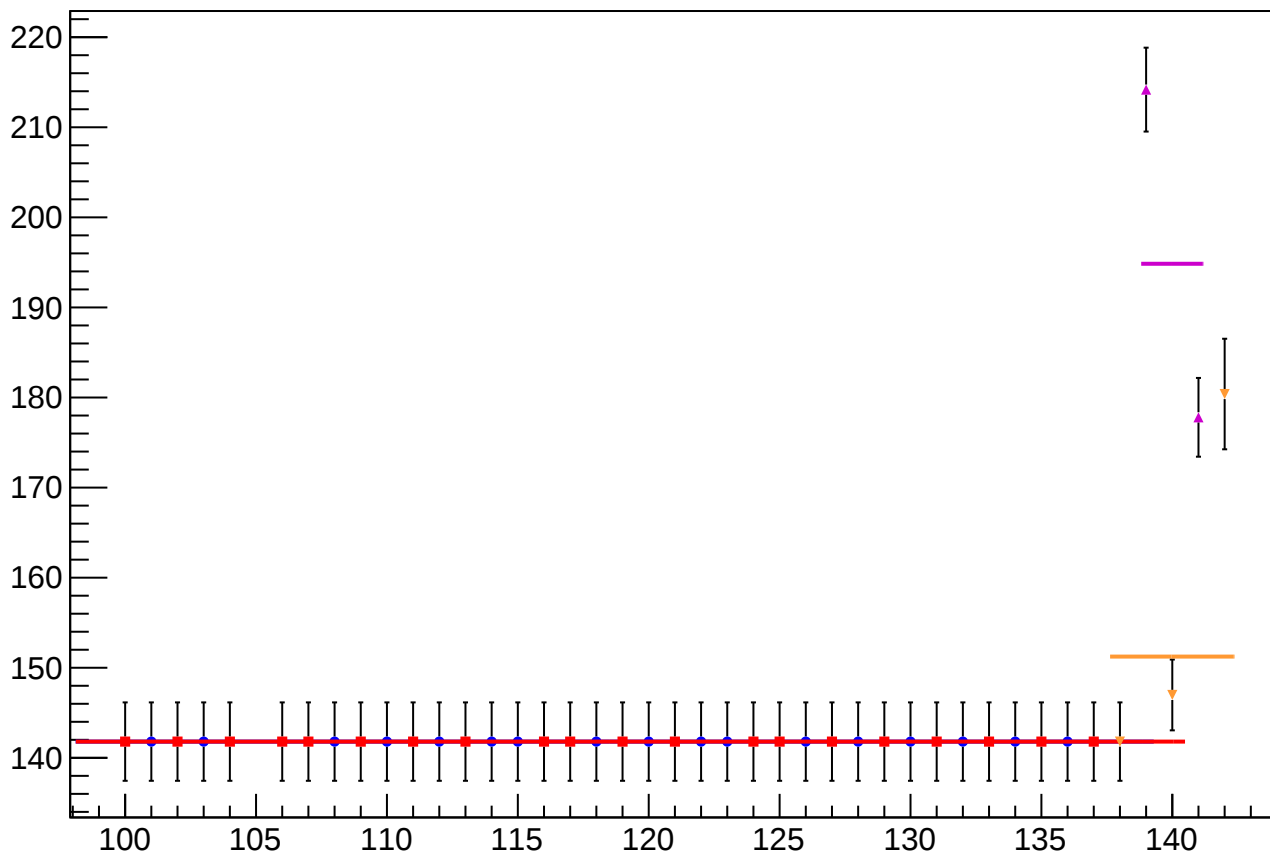
Right Out: -116.327+/-0.083 χ^2/NDF : 167208.7/19

Left In: -157.903+/-0.154 χ^2/NDF : 1596.2/1

-137.109+/-0.076 χ^2/NDF : 212985.1/19

-125.649+/-0.073 χ^2/NDF : 225168.9/21

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 141.803 $\pm$ 1.055 χ^2 /NDF: 0.0/16

Left Out: 151.240 $\pm$ 2.634 χ^2 /NDF: 28.4/2

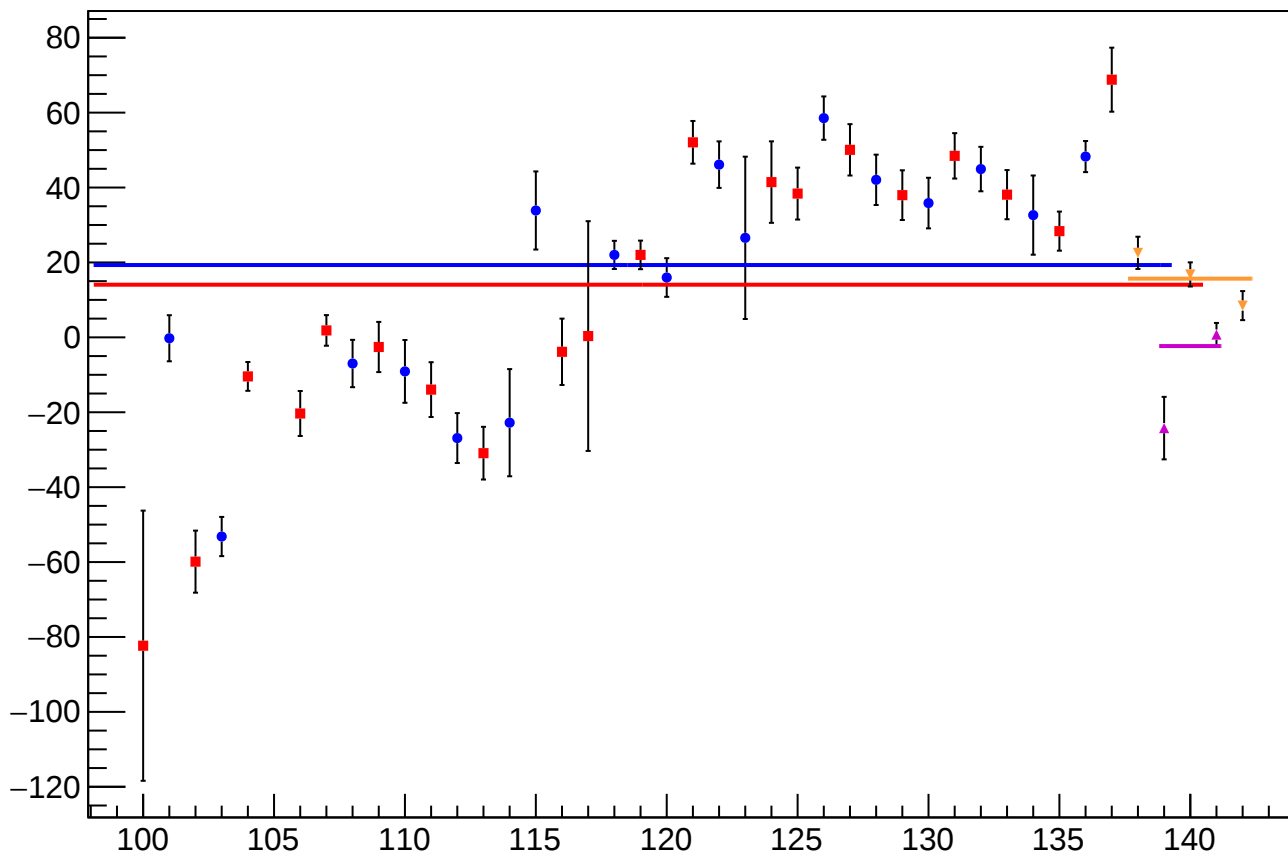
Right Out: 141.803 $\pm$ 0.973 χ^2 /NDF: 0.0/19

Left In: 194.847 $\pm$ 3.187 χ^2 /NDF: 32.4/1

143.108 $\pm$ 0.980 χ^2 /NDF: 39.5/19

146.325 $\pm$ 0.931 χ^2 /NDF: 285.8/21

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308+/-1.500 χ^2/NDF : 441.3/16

Left Out: 15.676+/-2.148 χ^2/NDF : 6.1/2

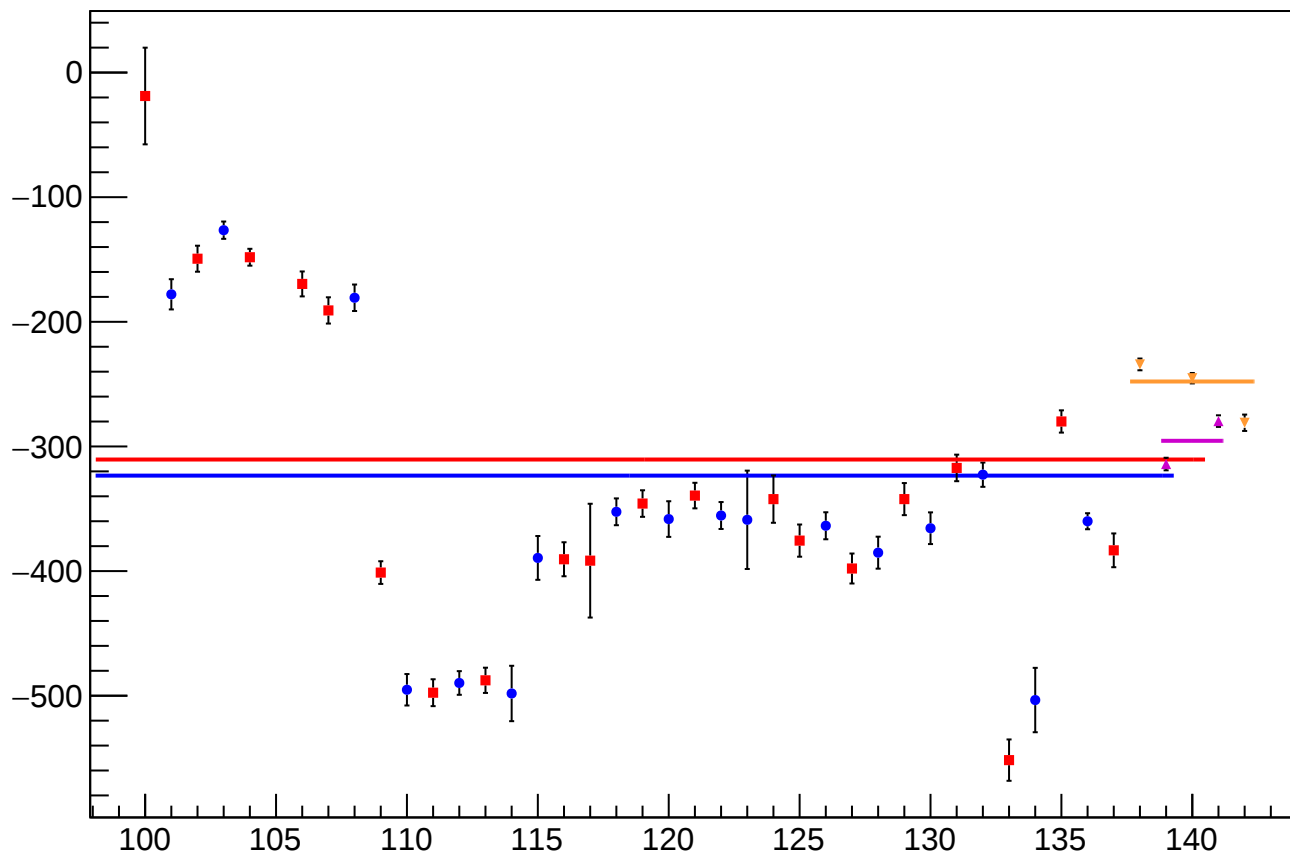
Right Out: 14.055+/-1.388 χ^2/NDF : 437.1/19

Left In: -2.325+/-2.920 χ^2/NDF : 7.9/1

18.117+/-1.230 χ^2/NDF : 449.3/19

11.036+/-1.254 χ^2/NDF : 470.6/21

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 χ^2/NDF : 1849.6/16

Left Out: -247.885 ± 2.826 χ^2/NDF : 34.3/2

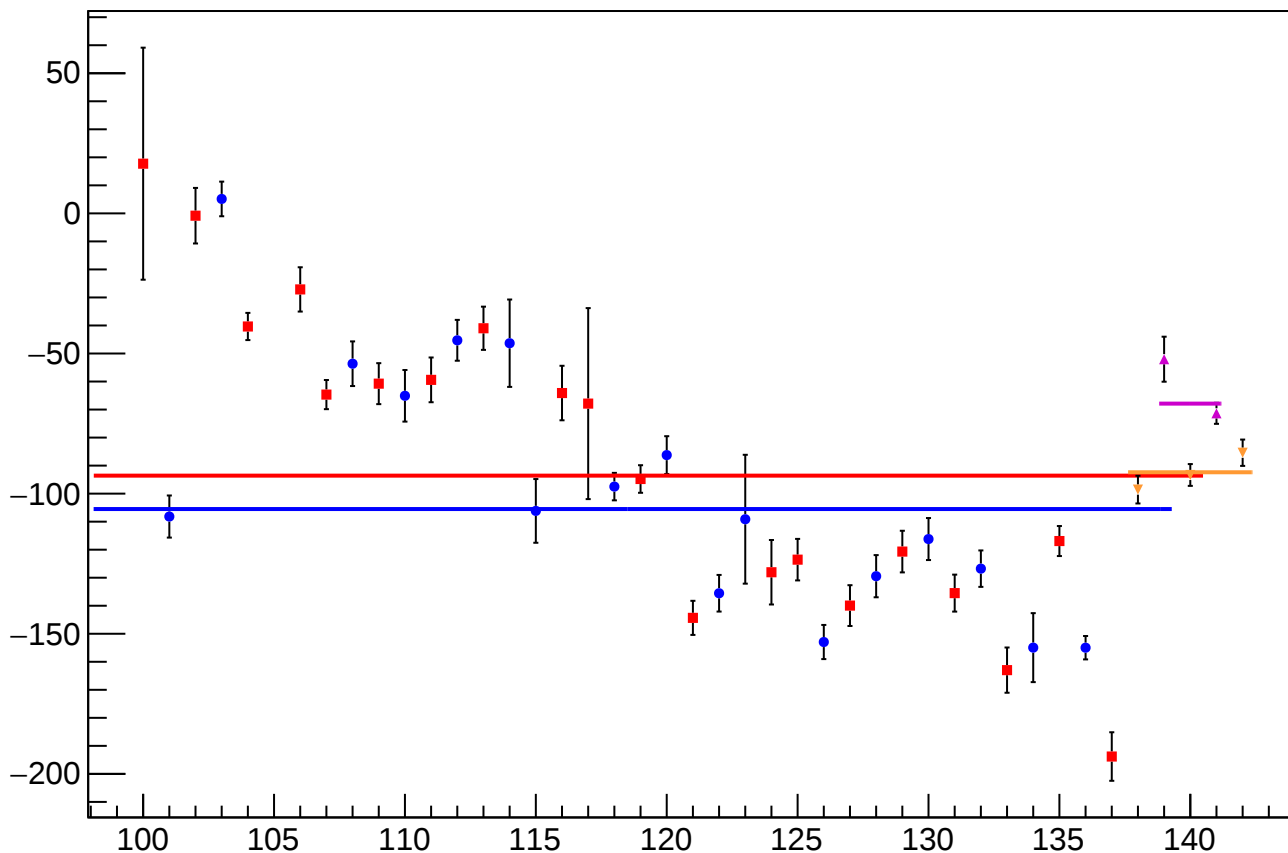
Right Out: -310.484 ± 2.520 χ^2/NDF : 2302.0/19

Left In: -295.474 ± 3.419 χ^2/NDF : 25.2/1

-287.589 ± 1.946 χ^2/NDF : 2259.3/19

-305.200 ± 2.028 χ^2/NDF : 2339.7/21

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 $\pm$ 1.712 χ^2/NDF : 737.3/16

Left Out: -92.376 $\pm$ 2.564 χ^2/NDF : 3.8/2

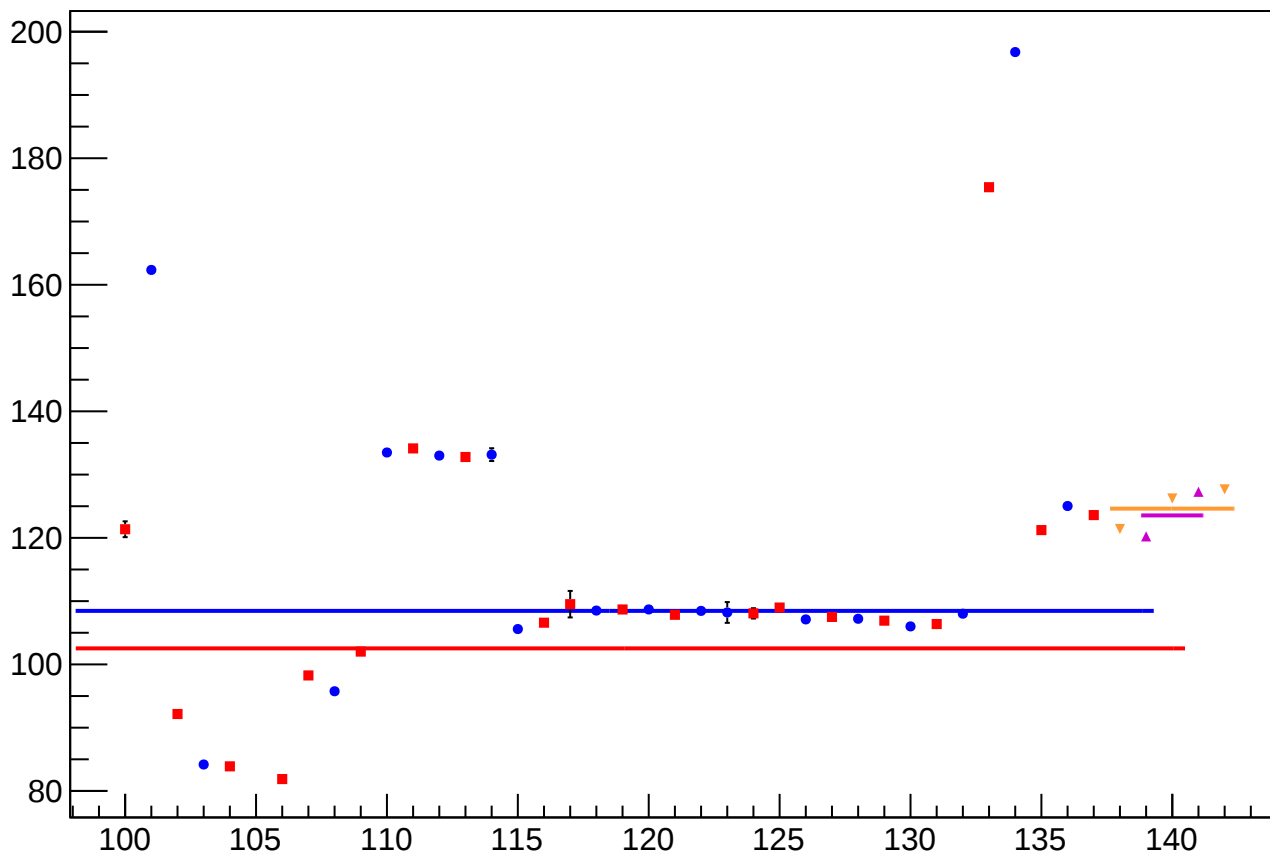
Right Out: -93.579 $\pm$ 1.608 χ^2/NDF : 827.7/19

Left In: -67.882 $\pm$ 3.400 χ^2/NDF : 4.7/1

-101.449 $\pm$ 1.424 χ^2/NDF : 759.3/19

-88.879 $\pm$ 1.454 χ^2/NDF : 879.1/21

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 124.621 ± 0.117 $\chi^2/\text{NDF}: 505.4/2$

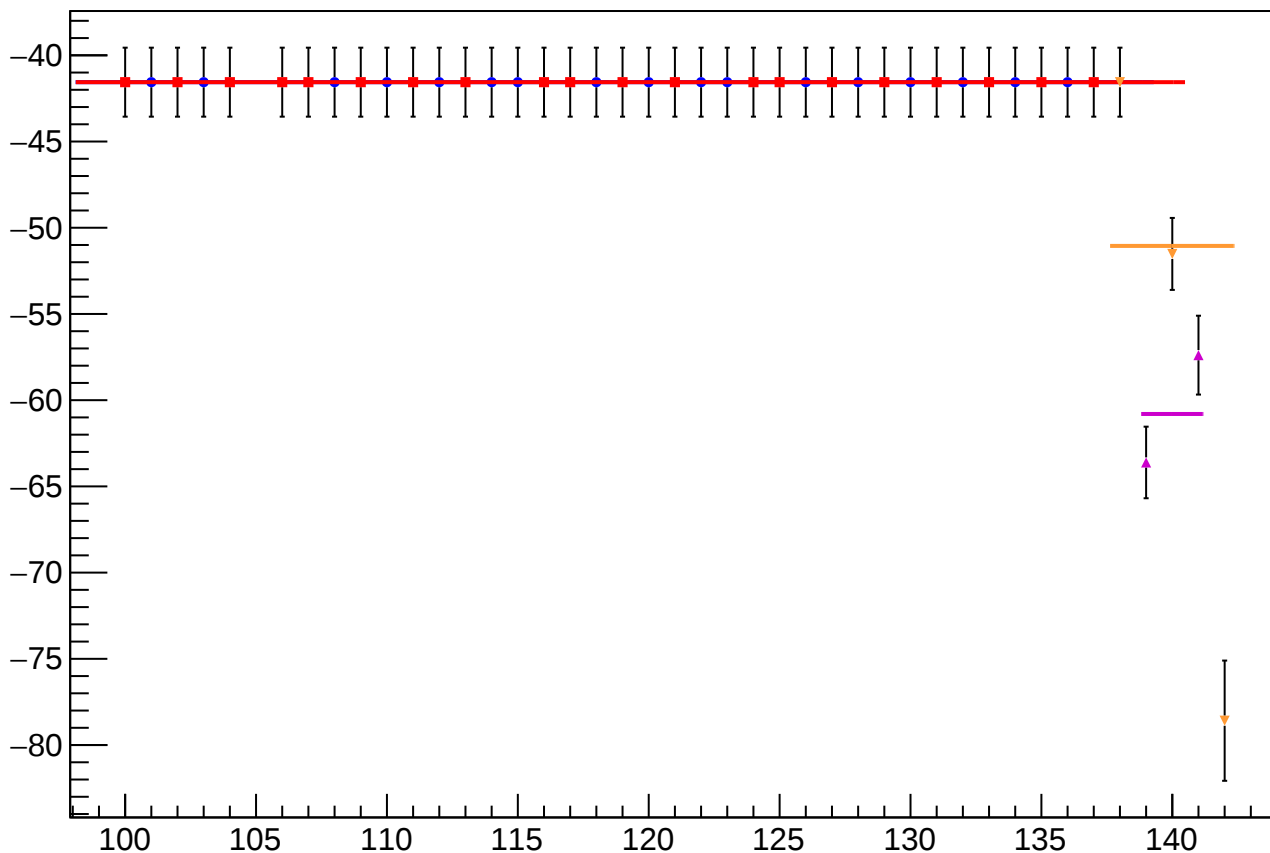
Right Out: 102.532 ± 0.079 $\chi^2/\text{NDF}: 53003.2/19$

Left In: 123.548 ± 0.129 $\chi^2/\text{NDF}: 742.7/1$

114.024 ± 0.069 $\chi^2/\text{NDF}: 86253.4/19$

108.306 ± 0.068 $\chi^2/\text{NDF}: 72953.5/21$

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -41.558 $\pm$ 0.485 χ^2 /NDF: 0.0/16

Left Out: -51.054 $\pm$ 1.334 χ^2 /NDF: 85.0/2

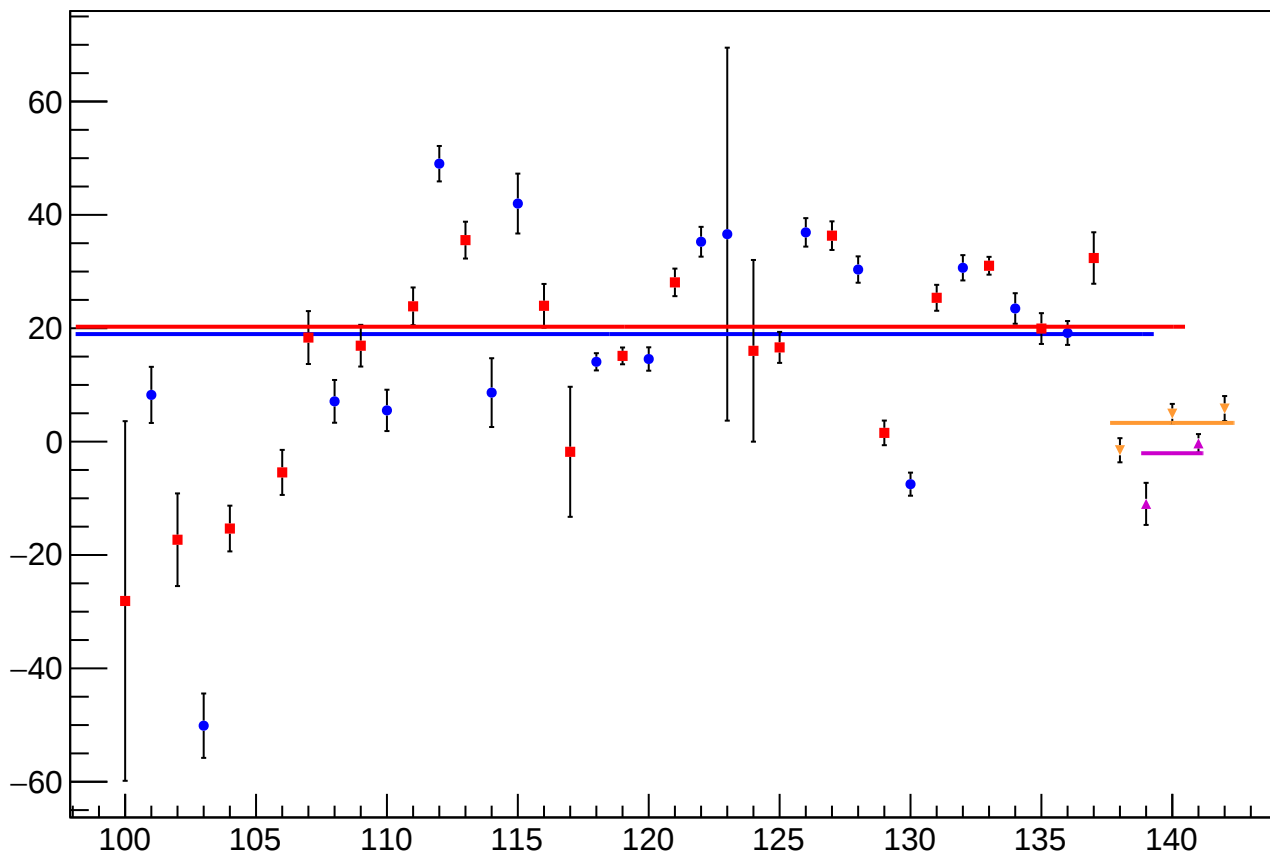
Right Out: -41.558 $\pm$ 0.447 χ^2 /NDF: 0.0/19

Left In: -60.800 $\pm$ 1.537 χ^2 /NDF: 4.1/1

-42.667 $\pm$ 0.456 χ^2 /NDF: 129.7/19

-43.061 $\pm$ 0.430 χ^2 /NDF: 148.6/21

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 $\chi^2/\text{NDF}: 618.4/16$

Left Out: 3.303 ± 1.146 $\chi^2/\text{NDF}: 7.3/2$

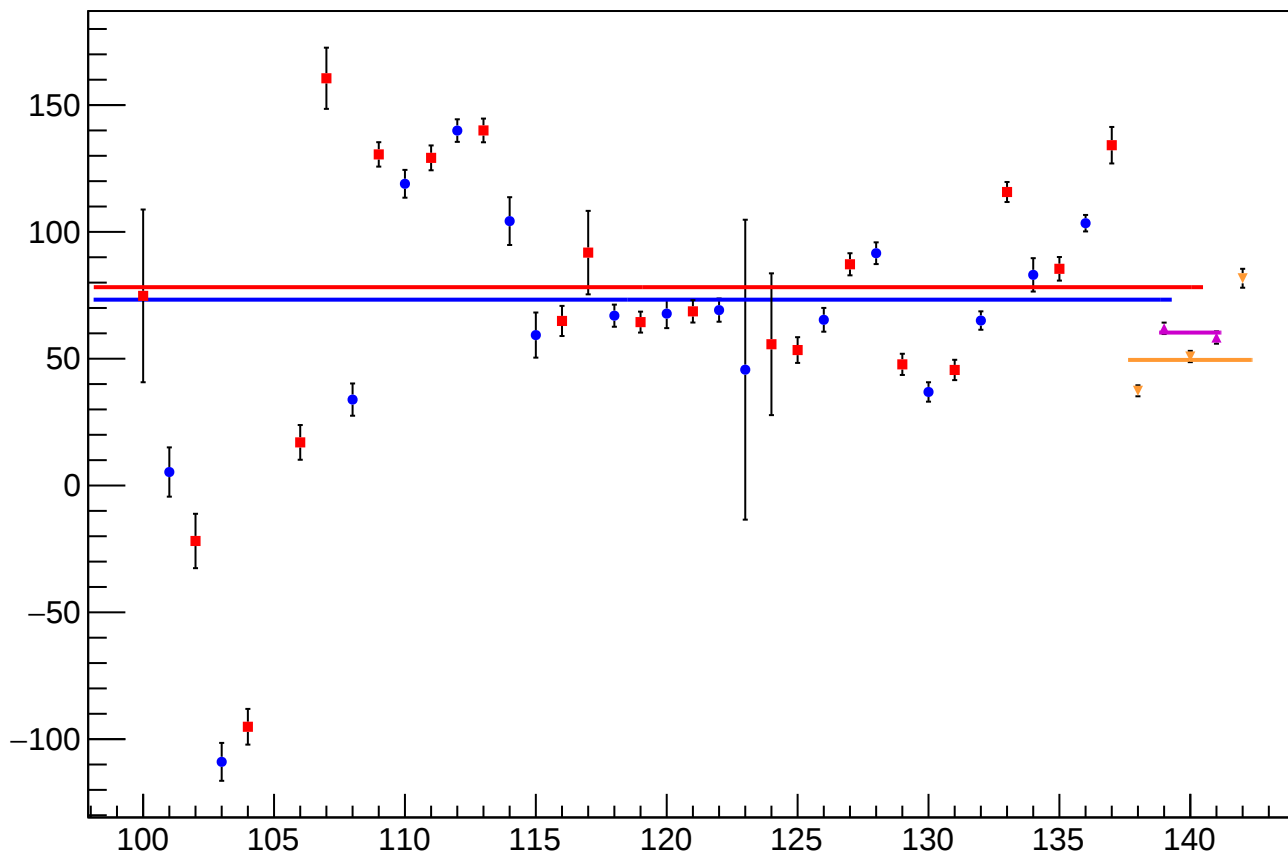
Right Out: 20.269 ± 0.641 $\chi^2/\text{NDF}: 370.1/19$

Left In: -2.048 ± 1.498 $\chi^2/\text{NDF}: 6.9/1$

15.129 ± 0.567 $\chi^2/\text{NDF}: 766.8/19$

16.815 ± 0.589 $\chi^2/\text{NDF}: 564.5/21$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2/NDF : 1198.6/16

Left Out: 49.522 $\pm$ 1.434 χ^2/NDF : 106.2/2

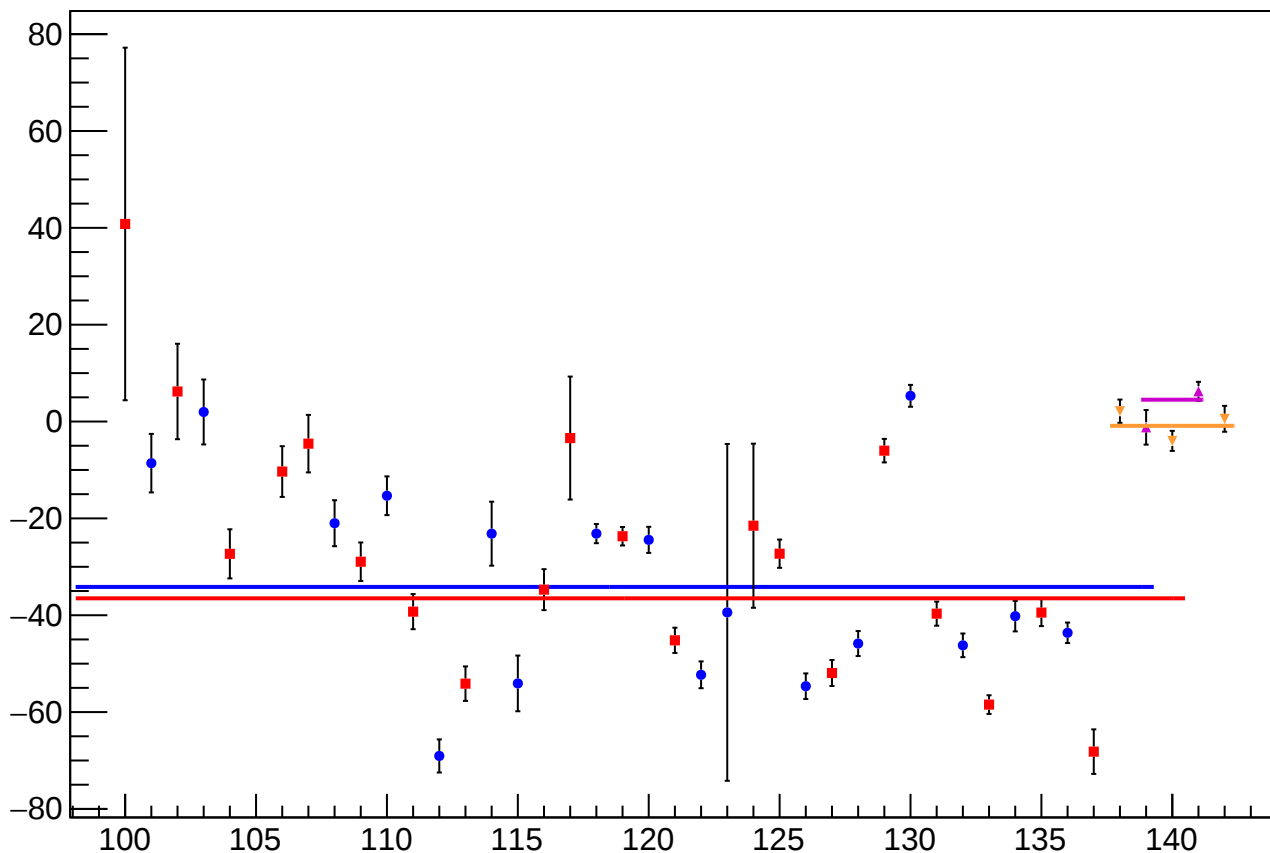
Right Out: 78.205 $\pm$ 1.219 χ^2/NDF : 1544.0/19

Left In: 60.303 $\pm$ 1.651 χ^2/NDF : 1.2/1

63.146 $\pm$ 0.936 χ^2/NDF : 1462.3/19

71.890 $\pm$ 0.981 χ^2/NDF : 1621.3/21

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -0.884 ± 1.352 χ^2/NDF : 4.1/2

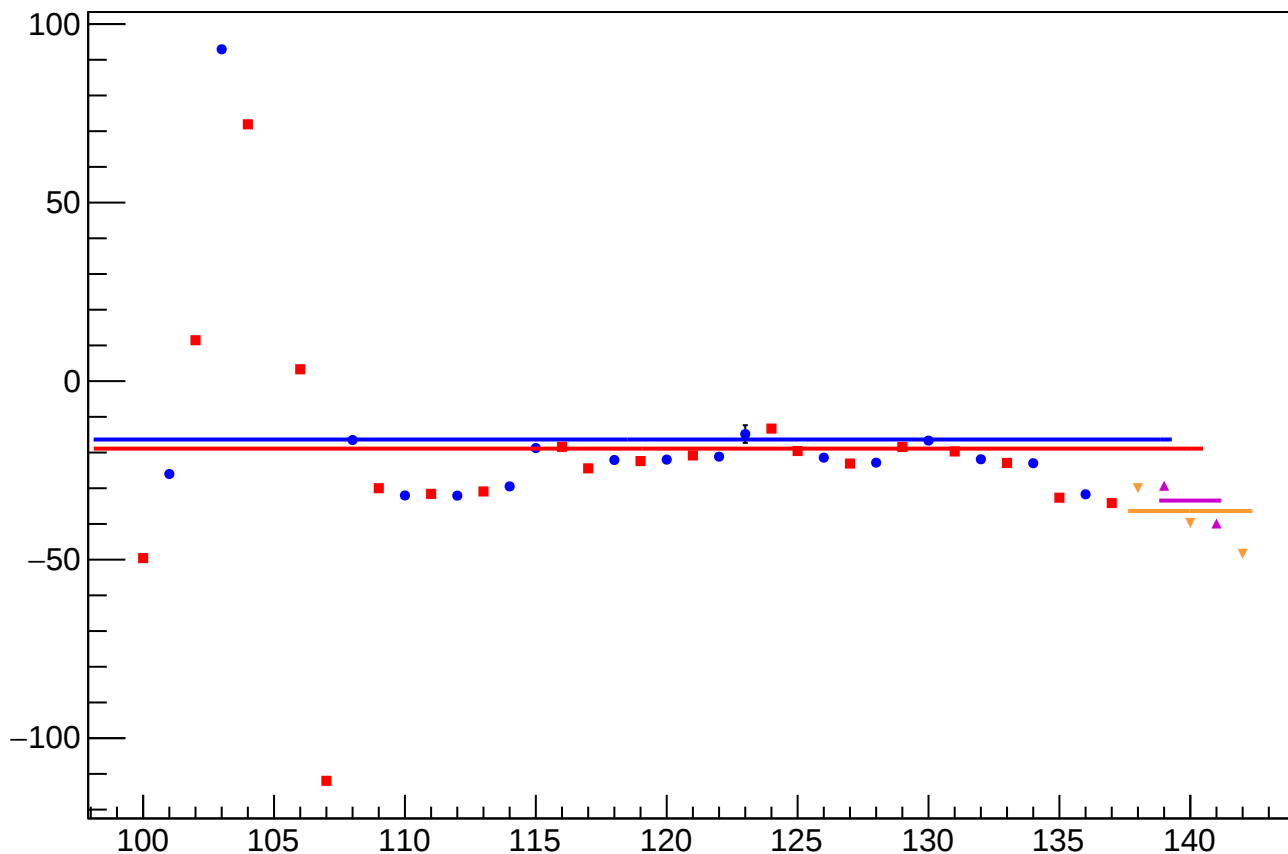
Right Out: -36.507 ± 0.735 χ^2/NDF : 553.8/19

Left In: 4.509 ± 1.722 χ^2/NDF : 3.3/1

-26.408 ± 0.652 χ^2/NDF : 1186.1/19

-30.193 ± 0.676 χ^2/NDF : 1037.1/21

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -36.366 ± 0.059 $\chi^2/\text{NDF}: 13331.5/2$

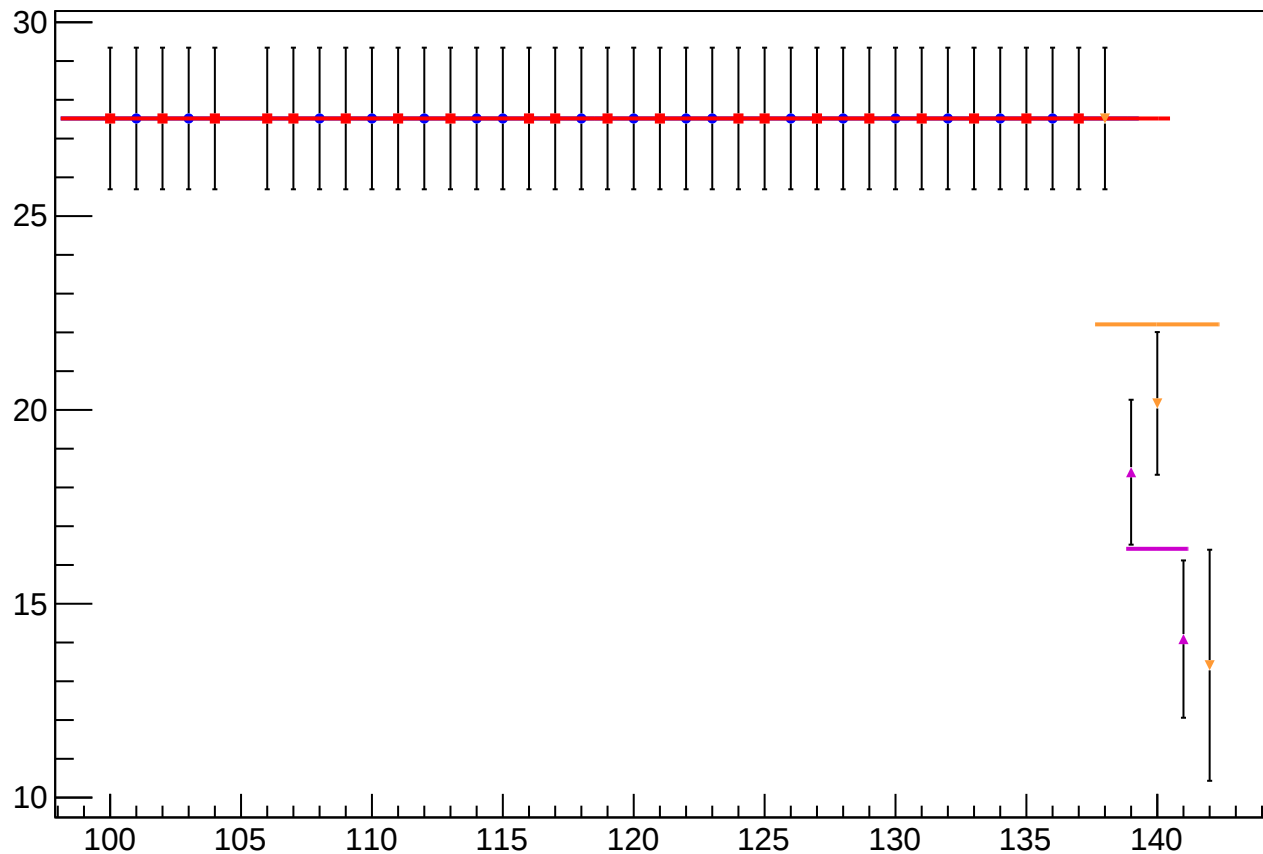
Right Out: -18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

Left In: -33.451 ± 0.061 $\chi^2/\text{NDF}: 7054.2/1$

-23.701 ± 0.036 $\chi^2/\text{NDF}: 561368.8/19$

-24.017 ± 0.036 $\chi^2/\text{NDF}: 477259.3/21$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 27.518 $\pm$ 0.443 χ^2 /NDF: 0.0/16

Left Out: 22.207 $\pm$ 1.189 χ^2 /NDF:18.4/2

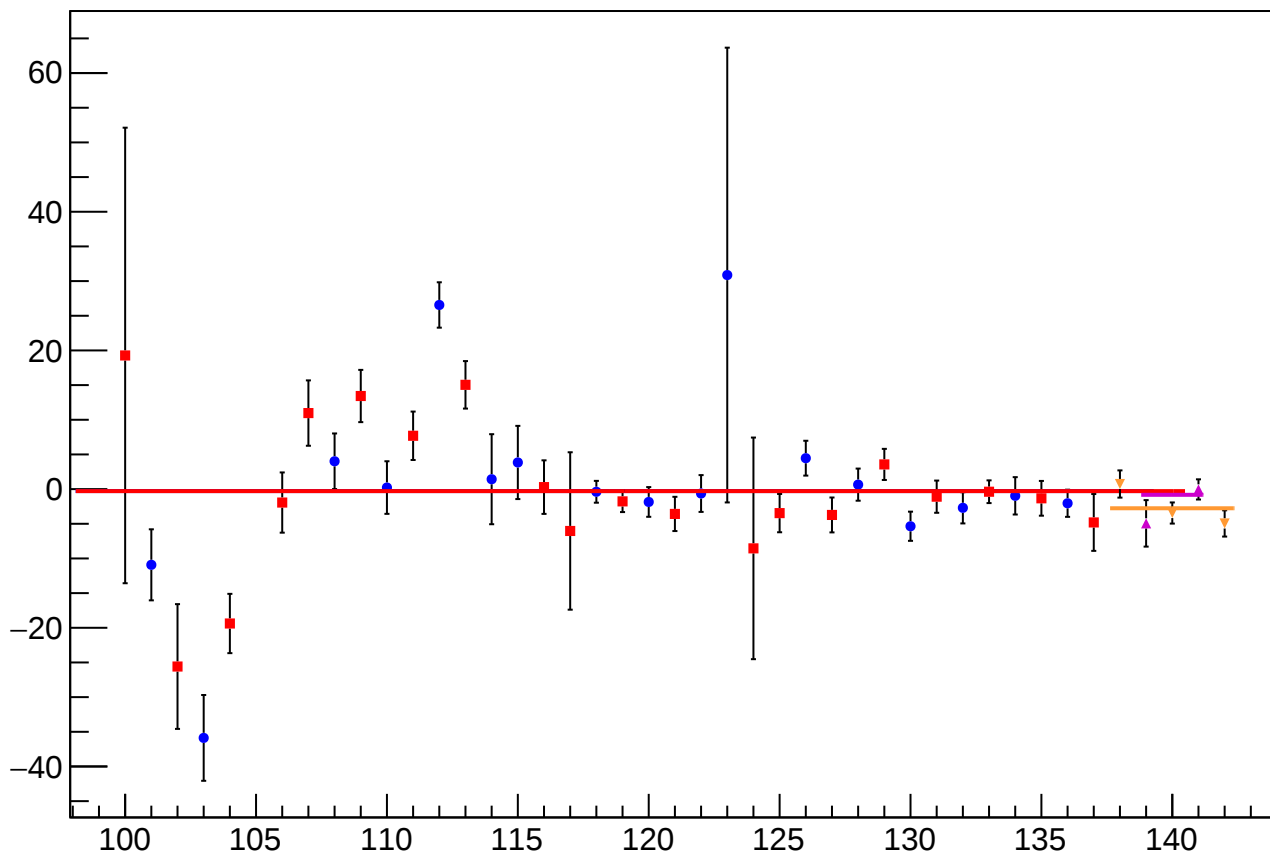
Right Out: 27.518 $\pm$ 0.408 χ^2 /NDF: 0.0/19

Left In: 16.417 $\pm$ 1.375 χ^2 /NDF:2.4/1

26.871 $\pm$ 0.415 χ^2 /NDF: 35.9/19

26.618 $\pm$ 0.392 χ^2 /NDF: 62.4/21

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -2.762 ± 1.016 χ^2/NDF : 4.7/2

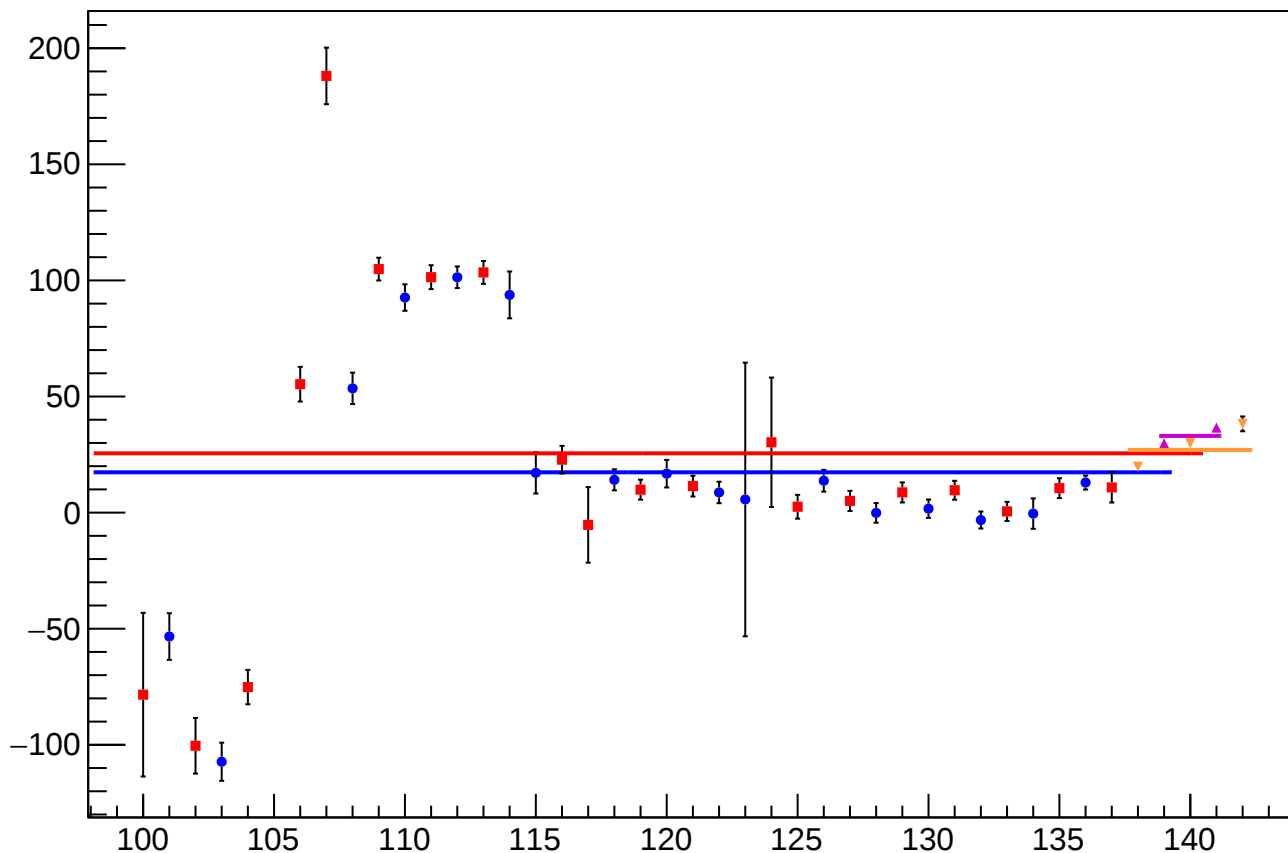
Right Out: -0.289 ± 0.655 χ^2/NDF : 83.4/19

Left In: -0.823 ± 1.336 χ^2/NDF : 1.8/1

-1.021 ± 0.555 χ^2/NDF : 128.4/19

-0.392 ± 0.588 χ^2/NDF : 85.4/21

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 27.001 ± 1.277 $\chi^2/\text{NDF}: 27.9/2$

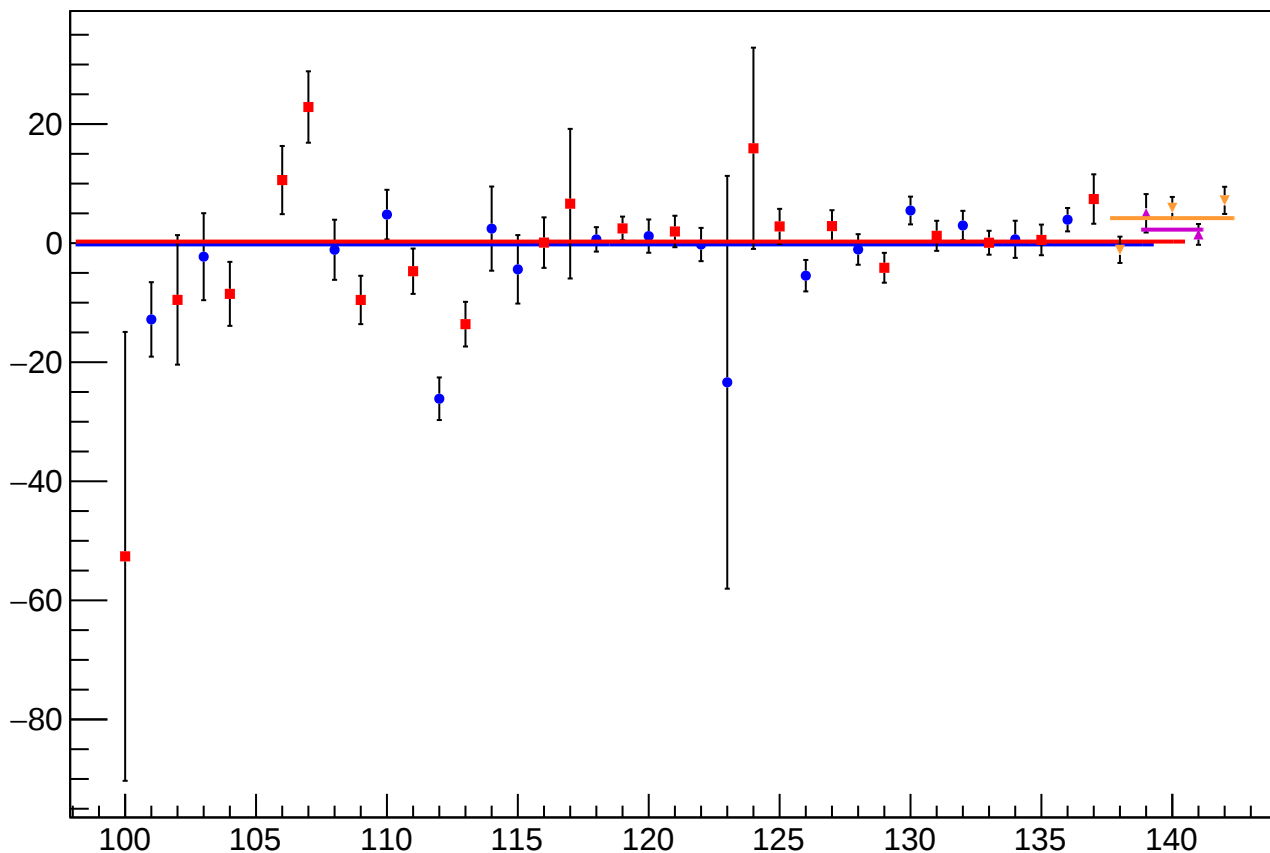
Right Out: 25.537 ± 1.239 $\chi^2/\text{NDF}: 1382.4/19$

Left In: 33.036 ± 1.476 $\chi^2/\text{NDF}: 5.2/1$

22.066 ± 0.892 $\chi^2/\text{NDF}: 1000.1/19$

28.636 ± 0.949 $\chi^2/\text{NDF}: 1402.8/21$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 4.198 ± 1.198 χ^2/NDF : 8.4/2

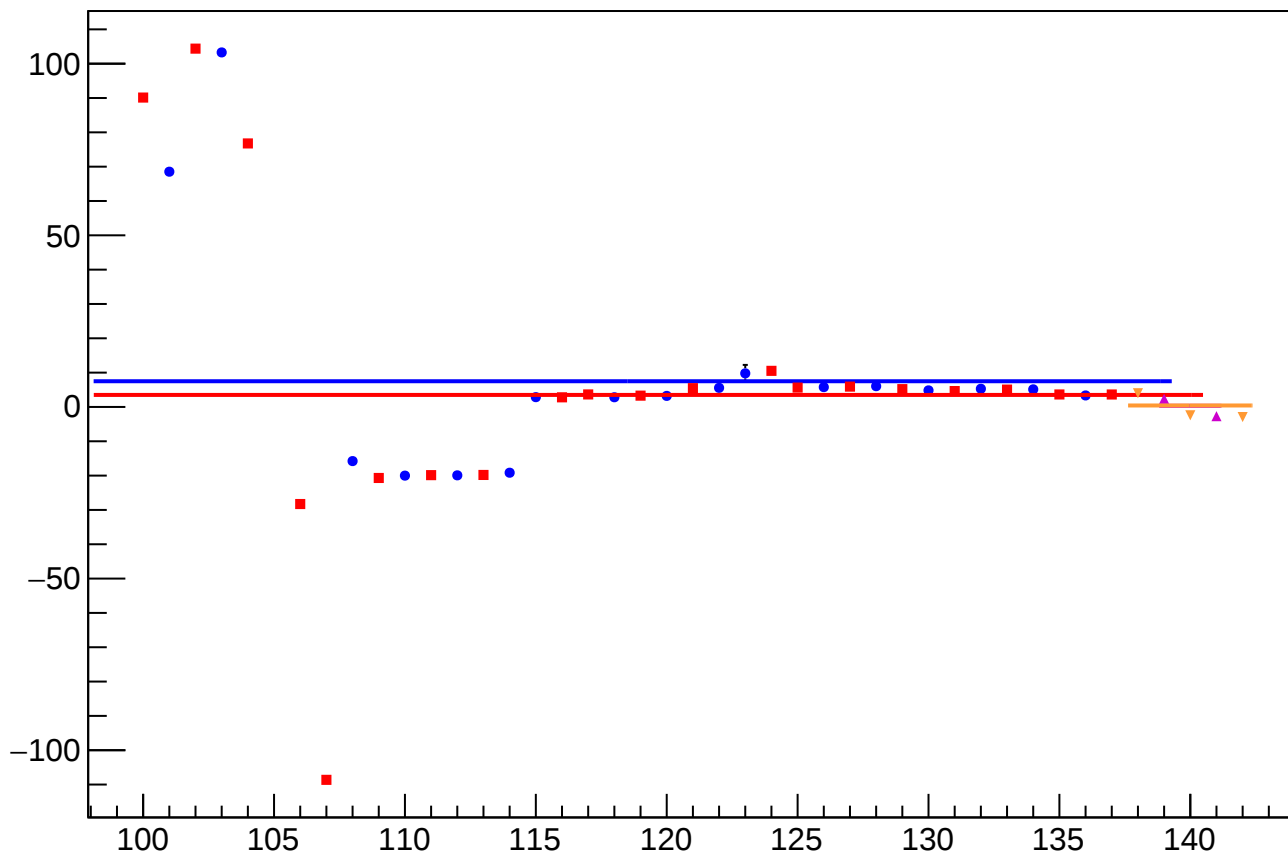
Right Out: 0.262 ± 0.747 χ^2/NDF : 54.8/19

Left In: 2.268 ± 1.535 χ^2/NDF : 0.9/1

1.034 ± 0.637 χ^2/NDF : 94.0/19

0.646 ± 0.672 χ^2/NDF : 57.1/21

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492+/-0.045 χ^2/NDF : 355979.0/16

Left Out: 0.429+/-0.052 χ^2/NDF : 3973.4/2

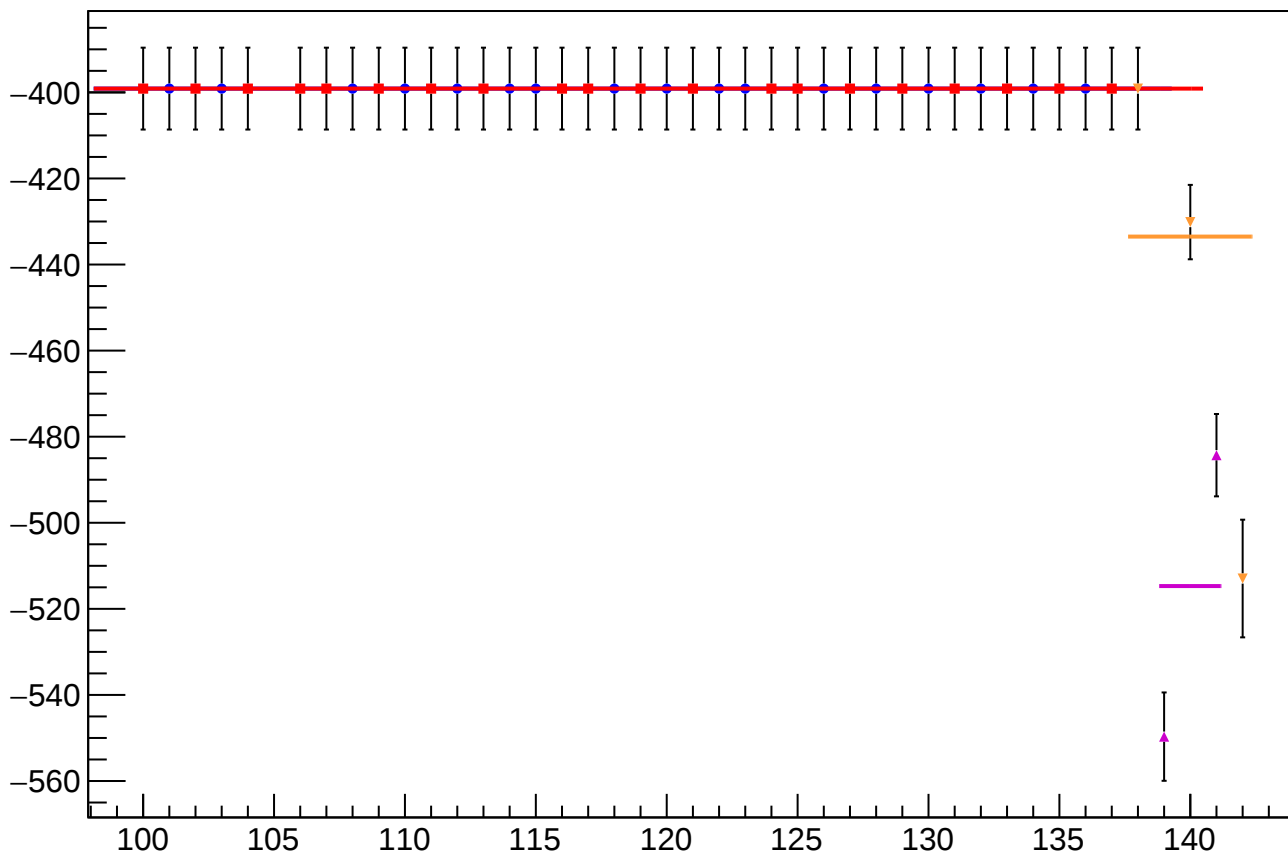
Right Out: 3.504+/-0.046 χ^2/NDF : 510579.5/19

Left In: 0.331+/-0.055 χ^2/NDF : 2028.9/1

4.502+/-0.034 χ^2/NDF : 370550.9/19

2.216+/-0.035 χ^2/NDF : 514579.3/21

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -399.124+/-2.307 χ^2/NDF : 0.0/16

Left Out: -433.507+/-5.794 χ^2/NDF : 47.0/2

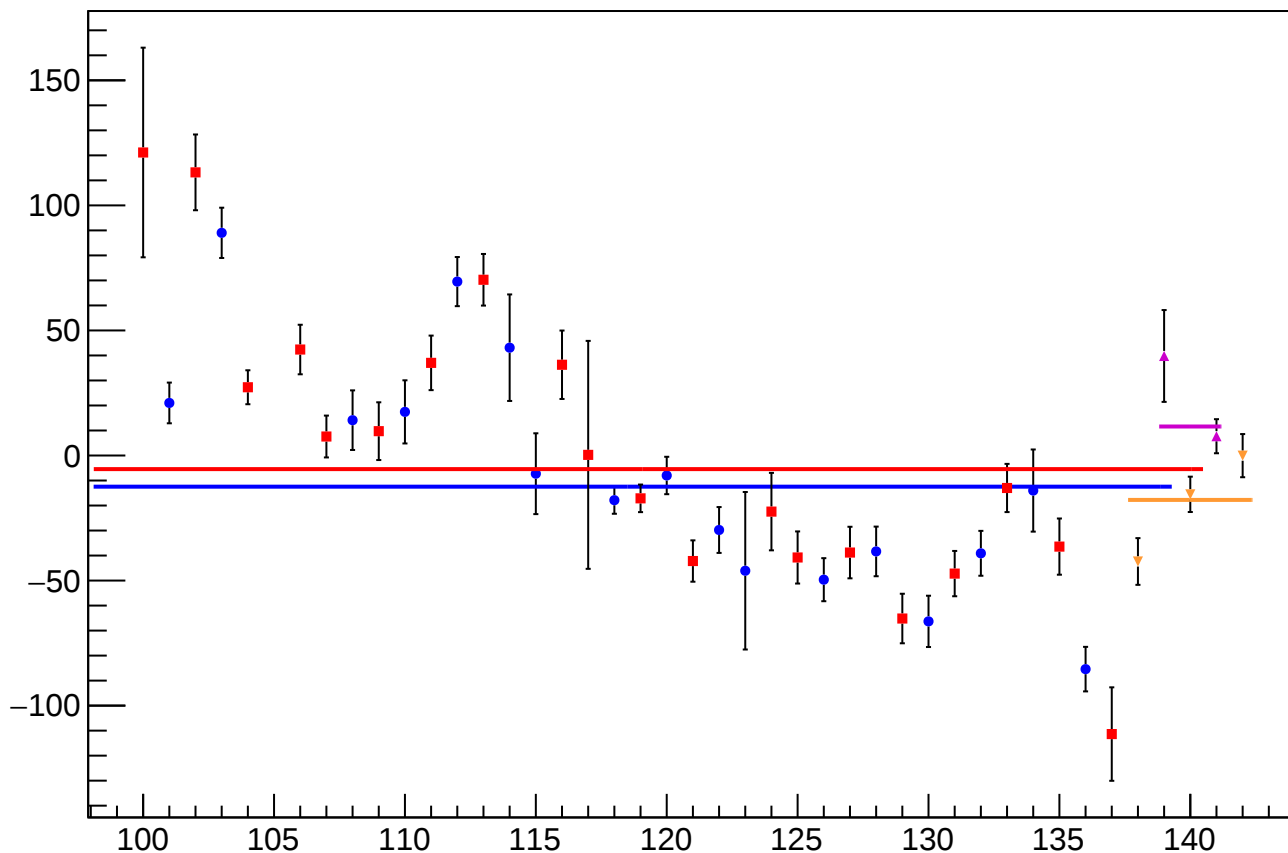
Right Out: -399.124+/-2.127 χ^2/NDF : 0.0/19

Left In: -514.707+/-6.999 χ^2/NDF : 21.7/1

-403.829+/-2.143 χ^2/NDF : 77.4/19

-408.896+/-2.035 χ^2/NDF : 271.4/21

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: -17.754 ± 4.719 χ^2/NDF : 11.3/2

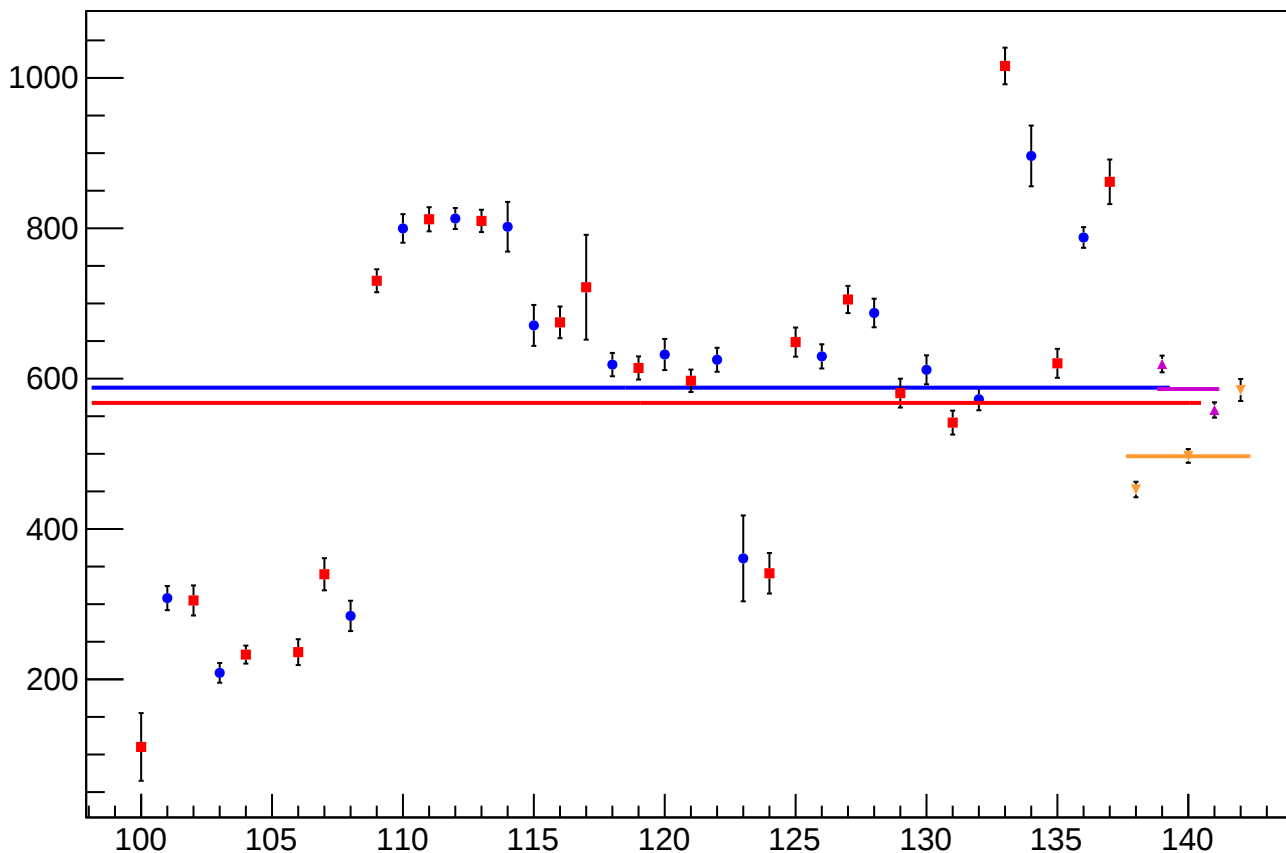
Right Out: -5.439 ± 2.256 χ^2/NDF : 345.0/19

Left In: 11.595 ± 6.387 χ^2/NDF : 2.7/1

-13.510 ± 2.103 χ^2/NDF : 353.3/19

-3.550 ± 2.127 χ^2/NDF : 354.0/21

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994±/-4.353 χ^2/NDF : 2129.6/16

Left Out: 496.765±/-6.215 χ^2/NDF : 54.7/2

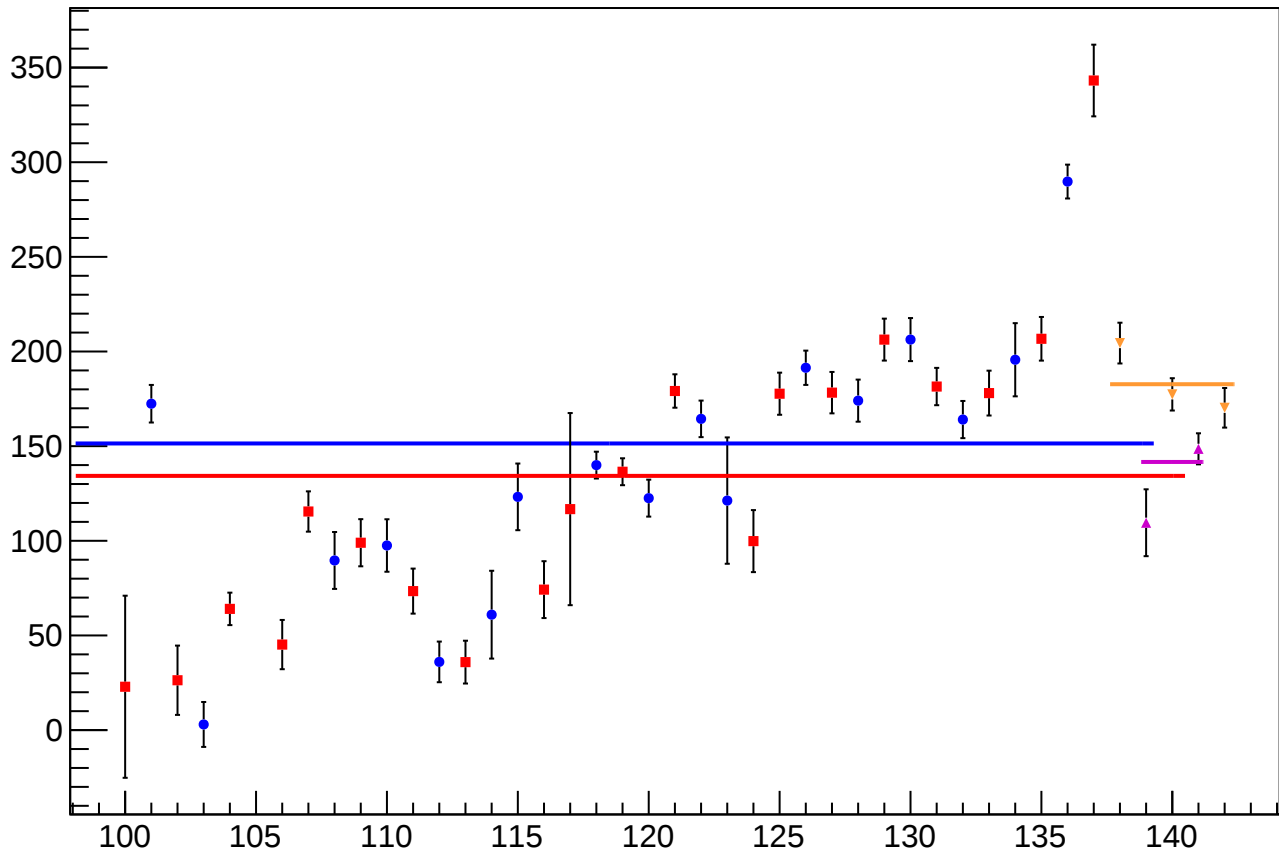
Right Out: 567.720±/-4.129 χ^2/NDF : 2788.1/19

Left In: 586.188±/-7.507 χ^2/NDF : 16.5/1

557.973±/-3.565 χ^2/NDF : 2328.8/19

572.010±/-3.618 χ^2/NDF : 2809.2/21

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 +/- 2.709 χ^2/NDF : 633.3/16

Left Out: 182.722 +/- 5.636 χ^2/NDF : 5.9/2

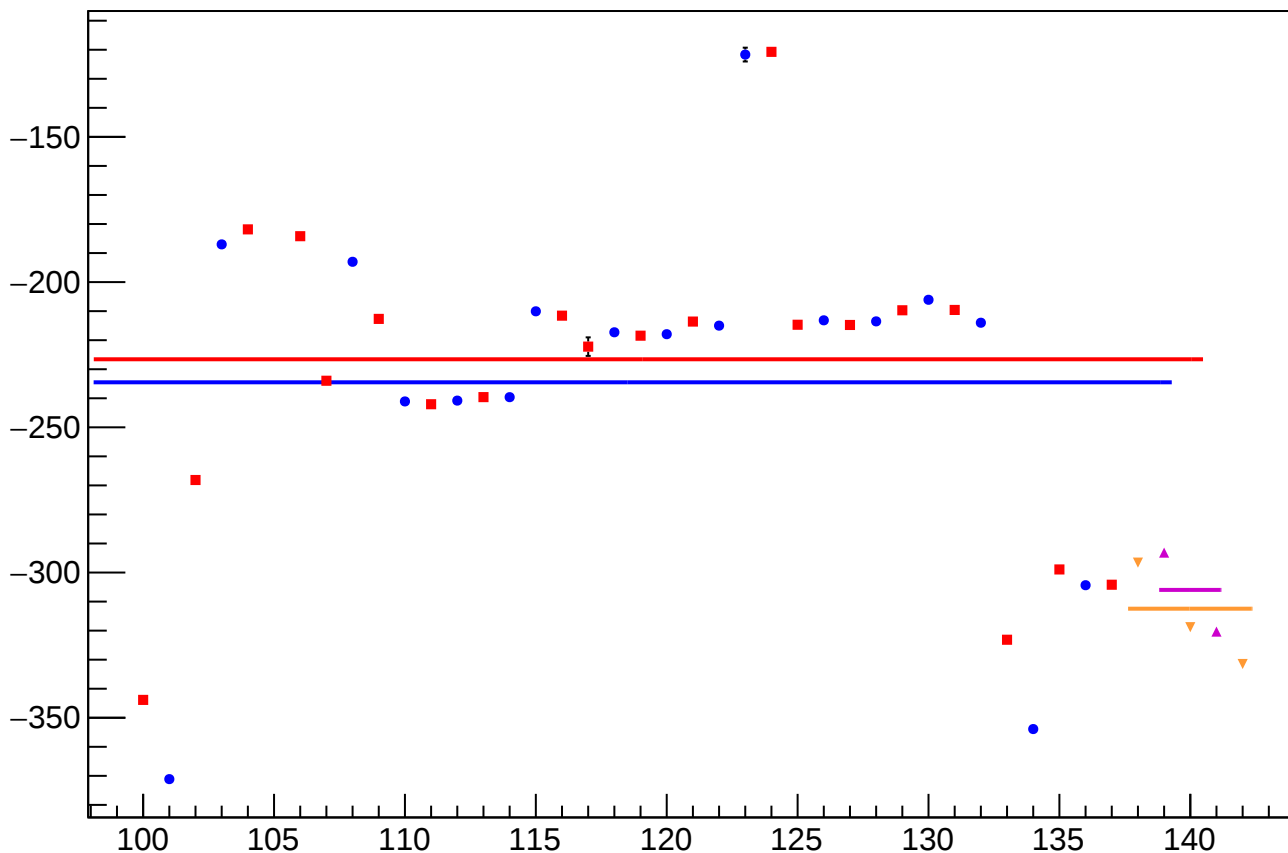
Right Out: 134.299 +/- 2.612 χ^2/NDF : 585.0/19

Left In: 141.653 +/- 7.444 χ^2/NDF : 4.0/1

157.296 +/- 2.442 χ^2/NDF : 664.2/19

135.105 +/- 2.465 χ^2/NDF : 589.9/21

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -312.447 ± 0.258 $\chi^2/\text{NDF}: 2789.0/2$

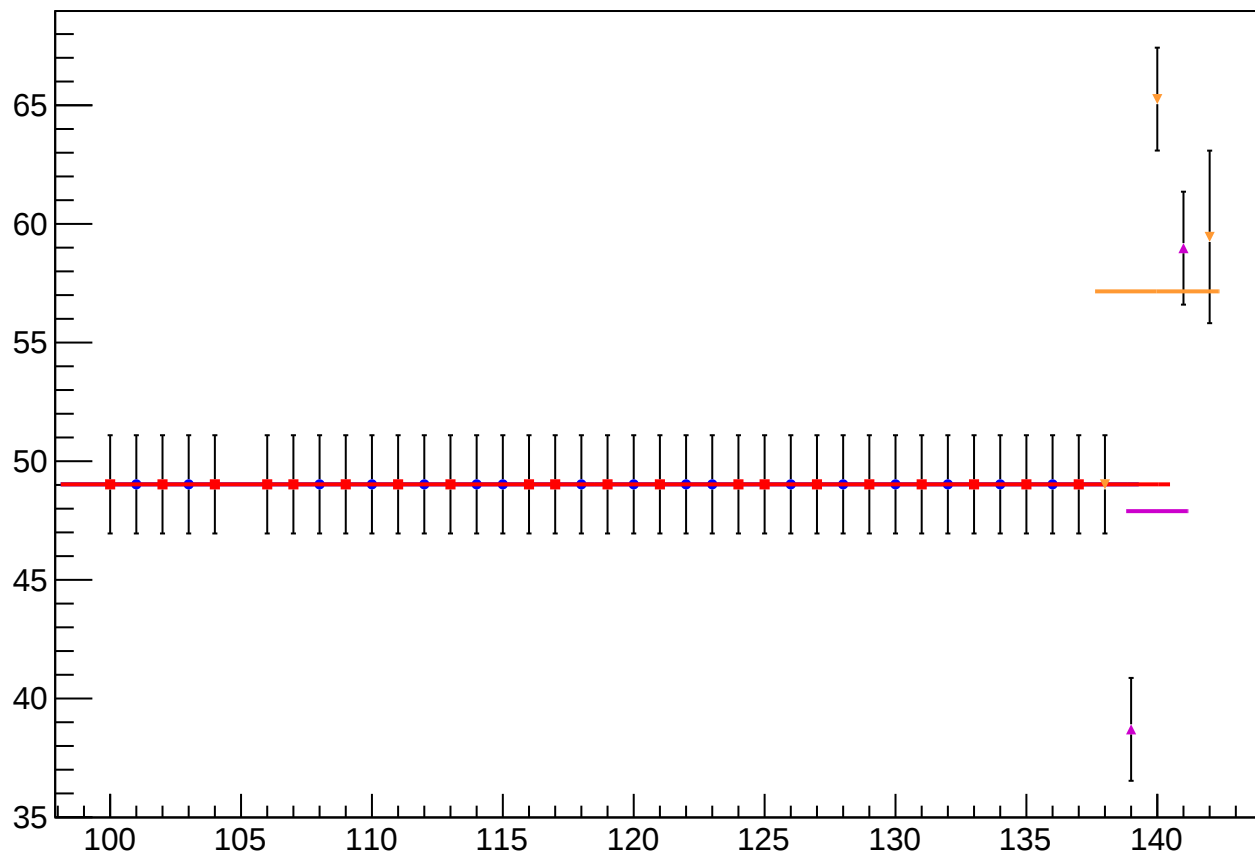
Right Out: -226.572 ± 0.141 $\chi^2/\text{NDF}: 98970.7/19$

Left In: -305.978 ± 0.284 $\chi^2/\text{NDF}: 2292.9/1$

-253.966 ± 0.129 $\chi^2/\text{NDF}: 216149.6/19$

-242.367 ± 0.126 $\chi^2/\text{NDF}: 164106.7/21$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: 49.025 $\pm$ 0.502 χ^2 /NDF: 0.0/16

Left Out: 57.157 $\pm$ 1.384 χ^2 /NDF: 29.8/2

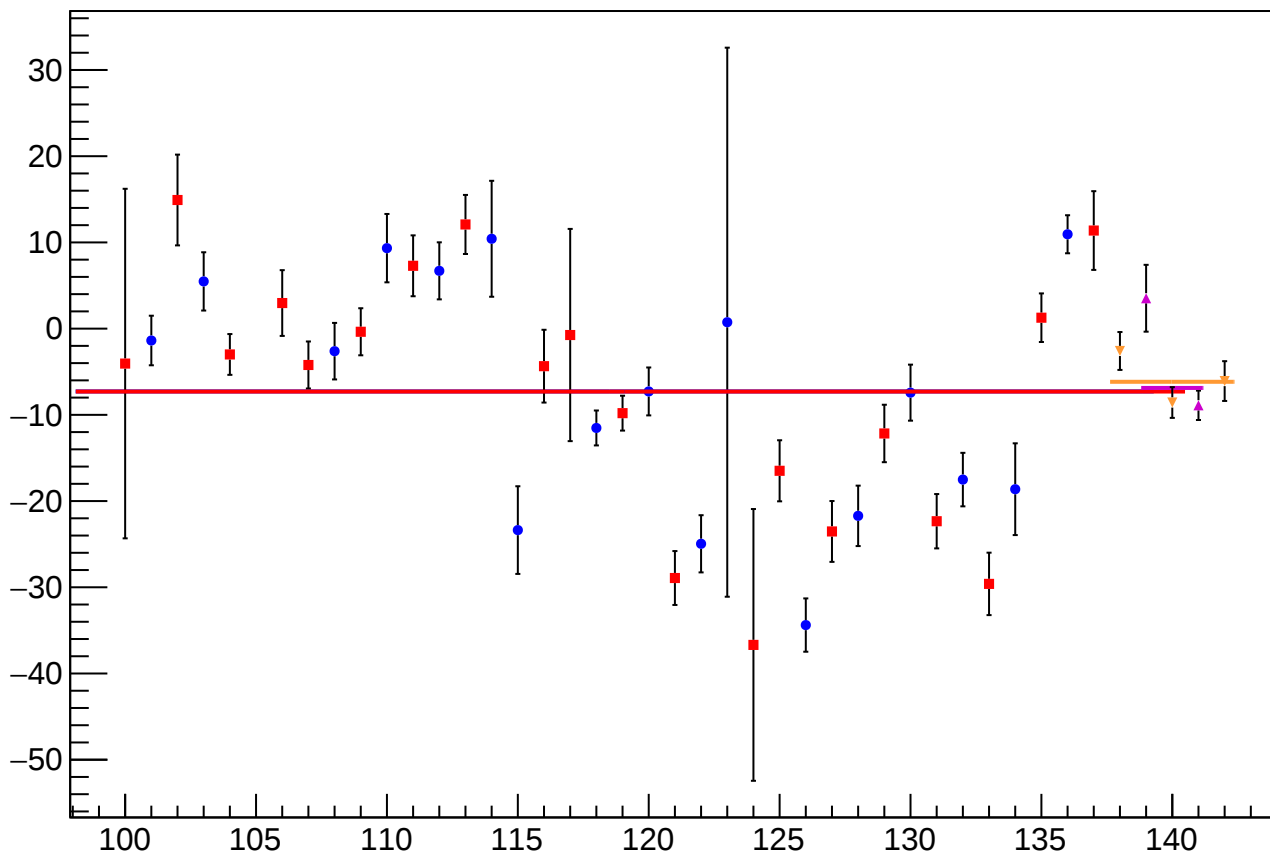
Right Out: 49.025 $\pm$ 0.463 χ^2 /NDF: 0.0/19

Left In: 47.896 $\pm$ 1.602 χ^2 /NDF: 39.7/1

49.970 $\pm$ 0.472 χ^2 /NDF: 60.3/19

48.938 $\pm$ 0.445 χ^2 /NDF: 40.1/21

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 $\chi^2/\text{NDF}: 283.2/16$

Left Out: -6.166 ± 1.187 $\chi^2/\text{NDF}: 4.5/2$

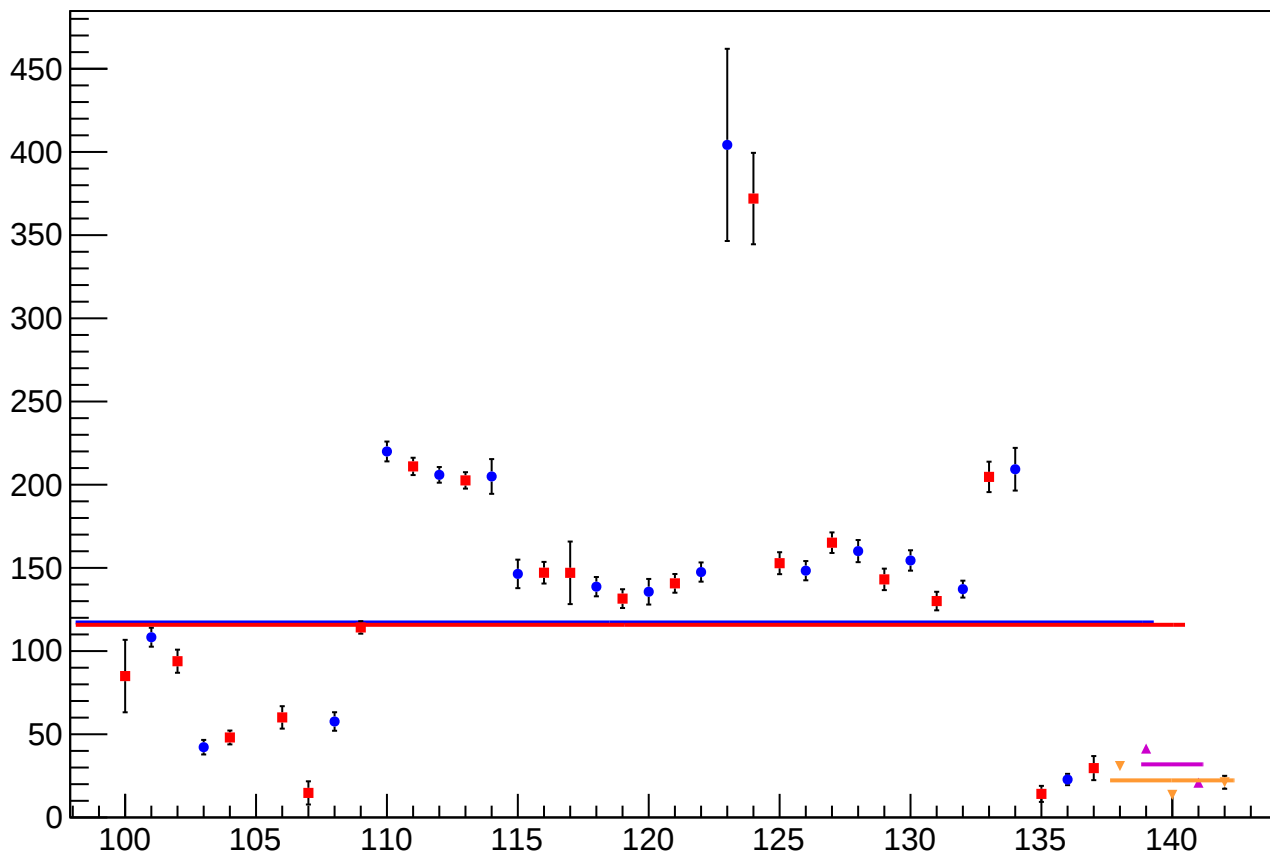
Right Out: -7.298 ± 0.759 $\chi^2/\text{NDF}: 255.6/19$

Left In: -6.880 ± 1.561 $\chi^2/\text{NDF}: 8.6/1$

-6.942 ± 0.657 $\chi^2/\text{NDF}: 288.3/19$

-7.218 ± 0.683 $\chi^2/\text{NDF}: 264.2/21$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187+/-1.416 χ^2/NDF : 2161.0/16

Left Out: 22.284+/-1.487 χ^2/NDF :29.0/2

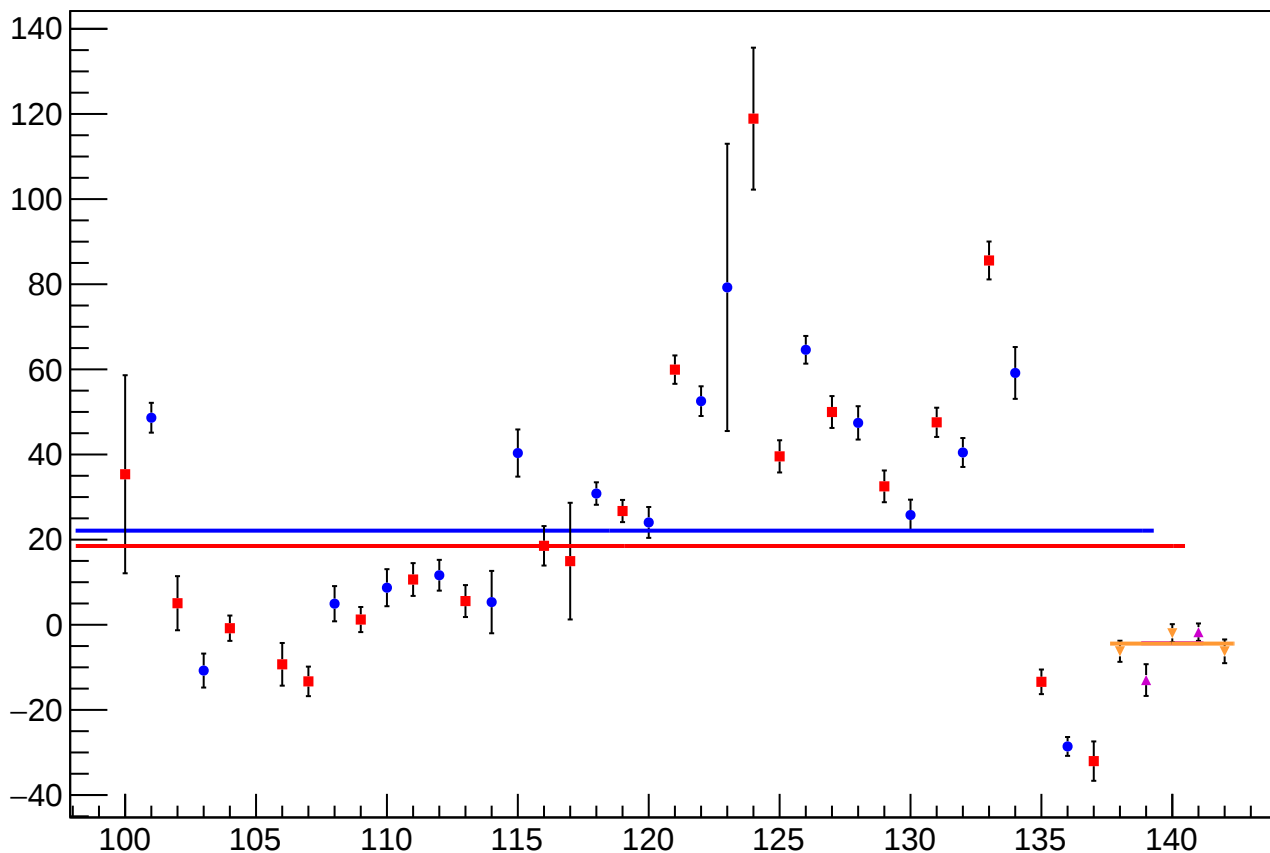
Right Out: 115.795+/-1.357 χ^2/NDF : 2140.4/19

Left In: 31.911+/-1.722 χ^2/NDF :35.3/1

72.057+/-1.026 χ^2/NDF : 4325.0/19

83.643+/-1.066 χ^2/NDF : 3639.3/21

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -4.424 $\pm$ 1.402 χ^2 /NDF: 2.2/2

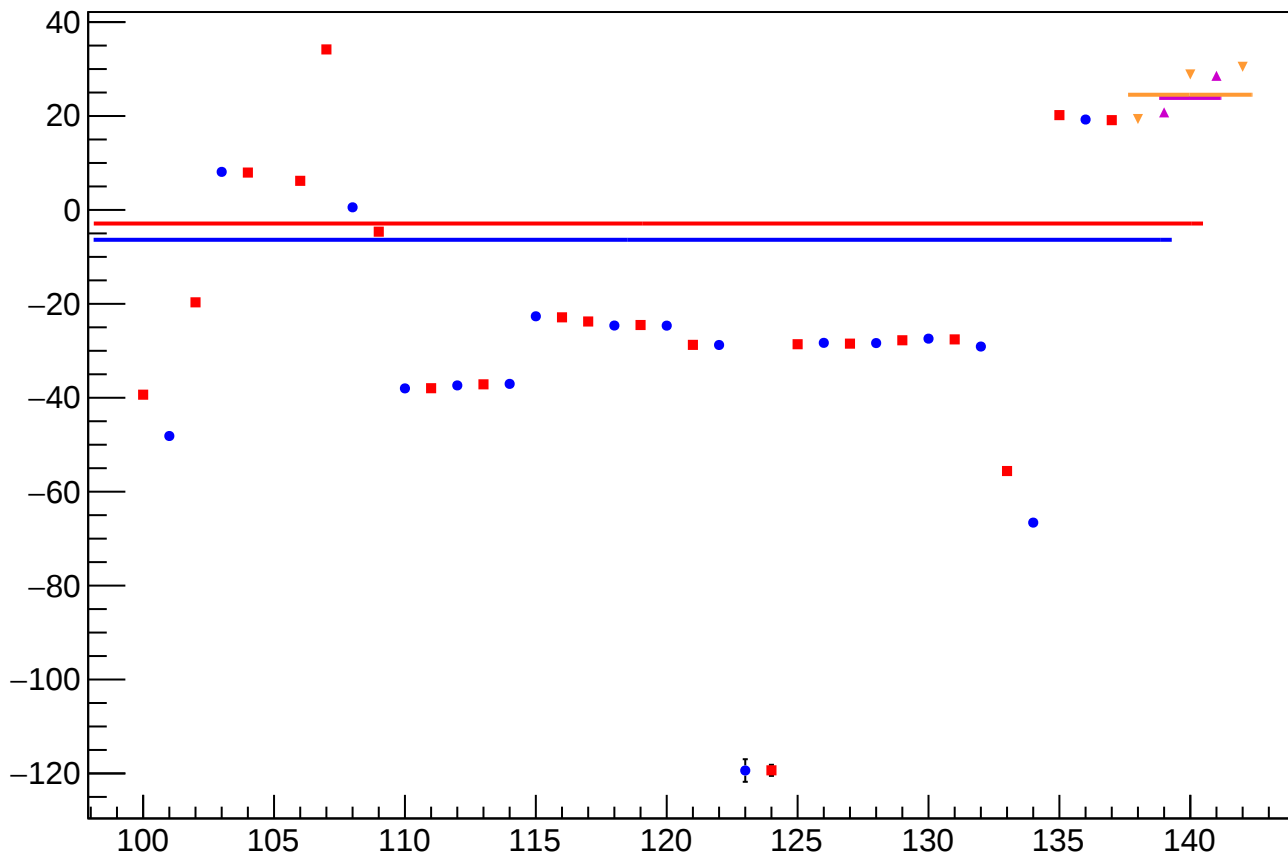
Right Out: 18.506 $\pm$ 0.869 χ^2 /NDF: 1068.6/19

Left In: -4.339 $\pm$ 1.793 χ^2 /NDF: 7.0/1

14.385 $\pm$ 0.756 χ^2 /NDF: 1326.6/19

14.159 $\pm$ 0.782 χ^2 /NDF: 1207.0/21

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 24.530 ± 0.061 $\chi^2/\text{NDF}: 6818.8/2$

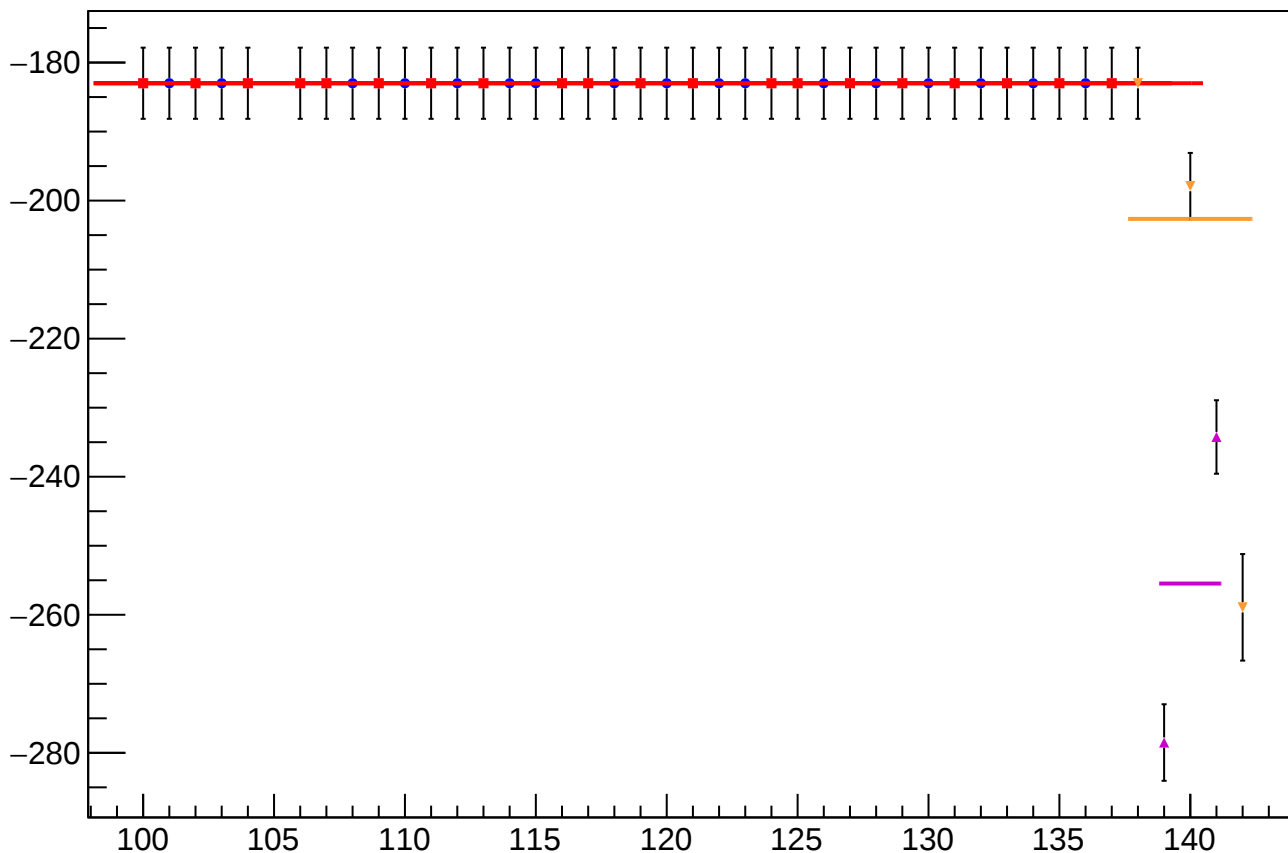
Right Out: -2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

Left In: 23.849 ± 0.064 $\chi^2/\text{NDF}: 3534.3/1$

5.008 ± 0.037 $\chi^2/\text{NDF}: 435290.2/19$

6.129 ± 0.037 $\chi^2/\text{NDF}: 385373.0/21$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -182.999 $\pm$ 1.250 χ^2 /NDF: 0.0/16

Left Out: -202.650 $\pm$ 3.201 χ^2 /NDF:68.7/2

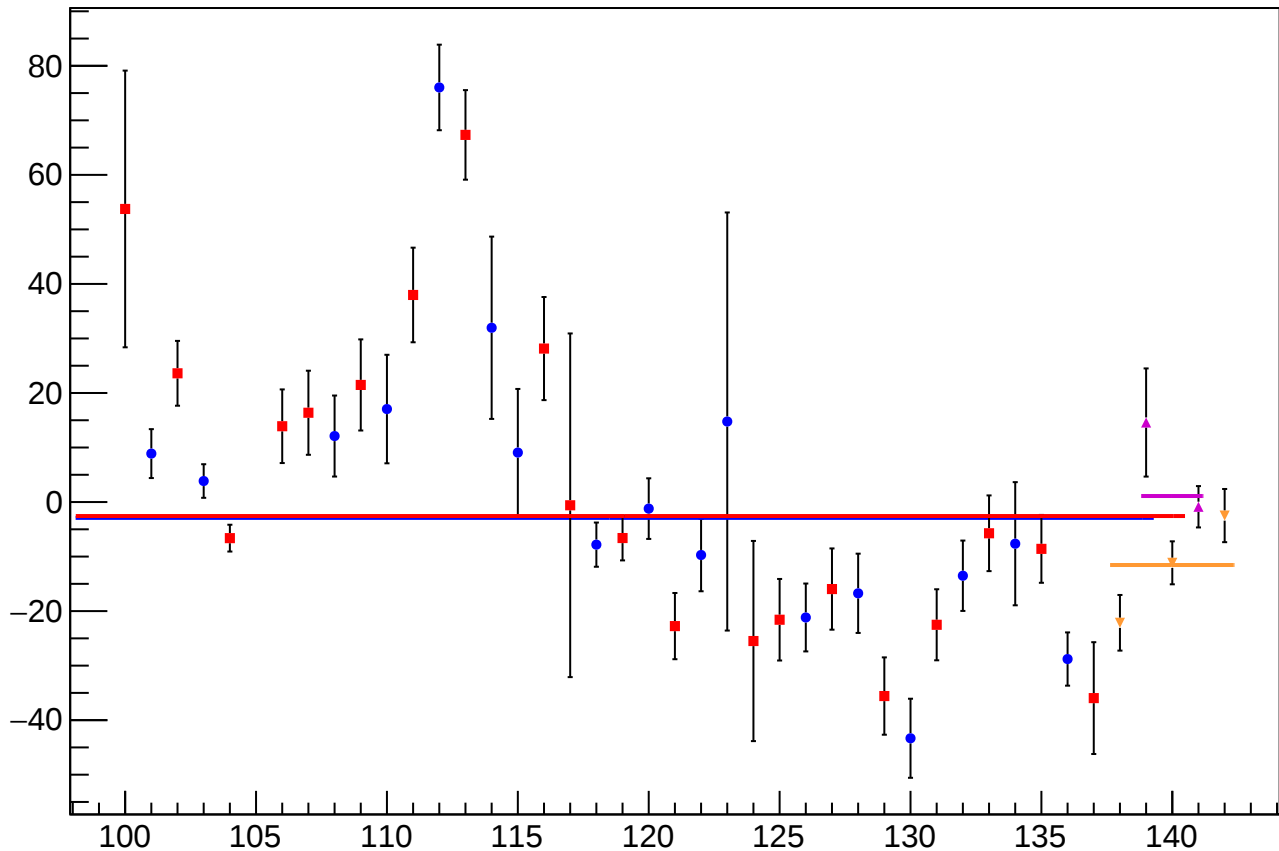
Right Out: -182.999 $\pm$ 1.152 χ^2 /NDF: 0.0/19

Left In: -255.476 $\pm$ 3.840 χ^2 /NDF:33.2/1

-185.598 $\pm$ 1.164 χ^2 /NDF: 101.4/19

-188.987 $\pm$ 1.104 χ^2 /NDF: 360.0/21

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: -11.547 ± 2.628 χ^2/NDF : 7.8/2

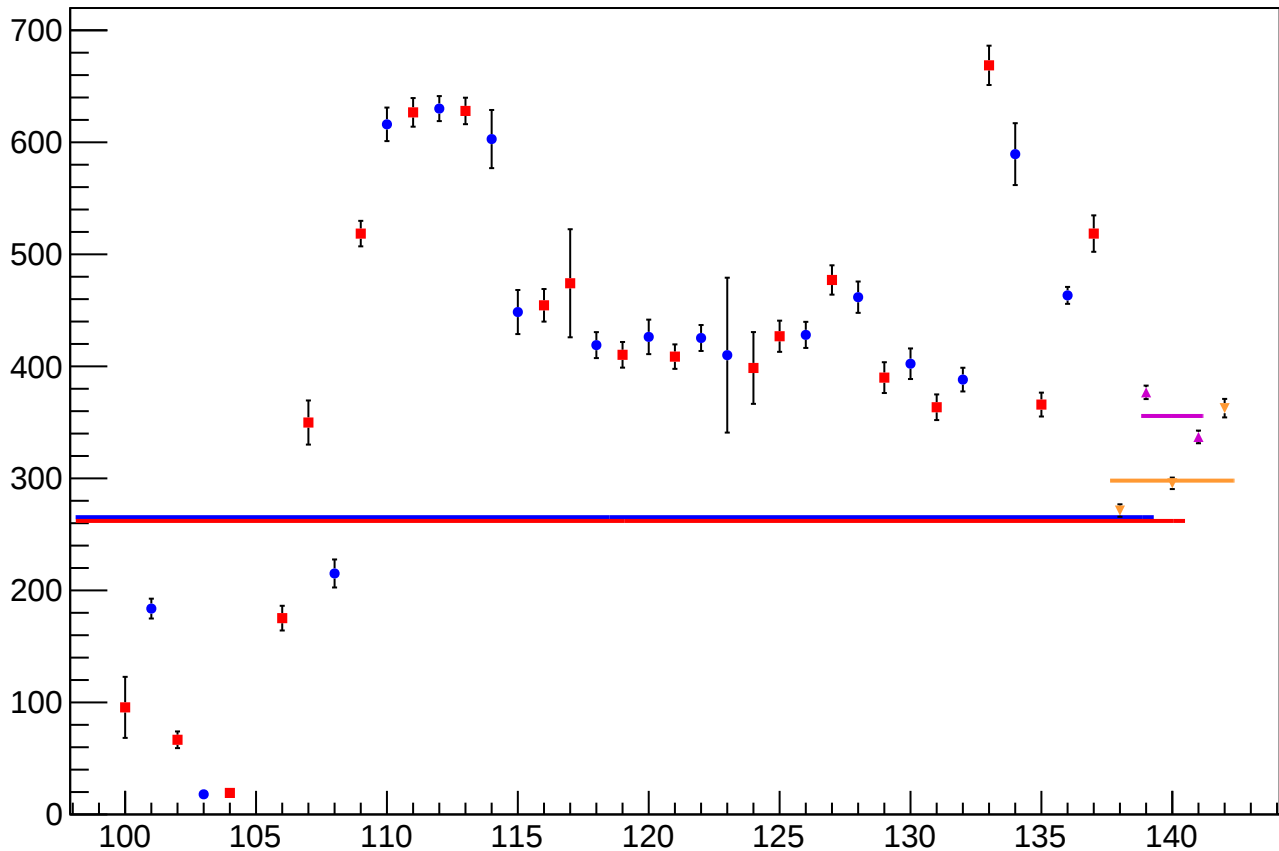
Right Out: -2.566 ± 1.395 χ^2/NDF : 218.2/19

Left In: 1.105 ± 3.542 χ^2/NDF : 2.1/1

-4.956 ± 1.281 χ^2/NDF : 219.6/19

-2.073 ± 1.298 χ^2/NDF : 221.3/21

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369+/-2.488 χ^2/NDF : 7633.8/16

Left Out: 297.997+/-3.435 χ^2/NDF : 84.4/2

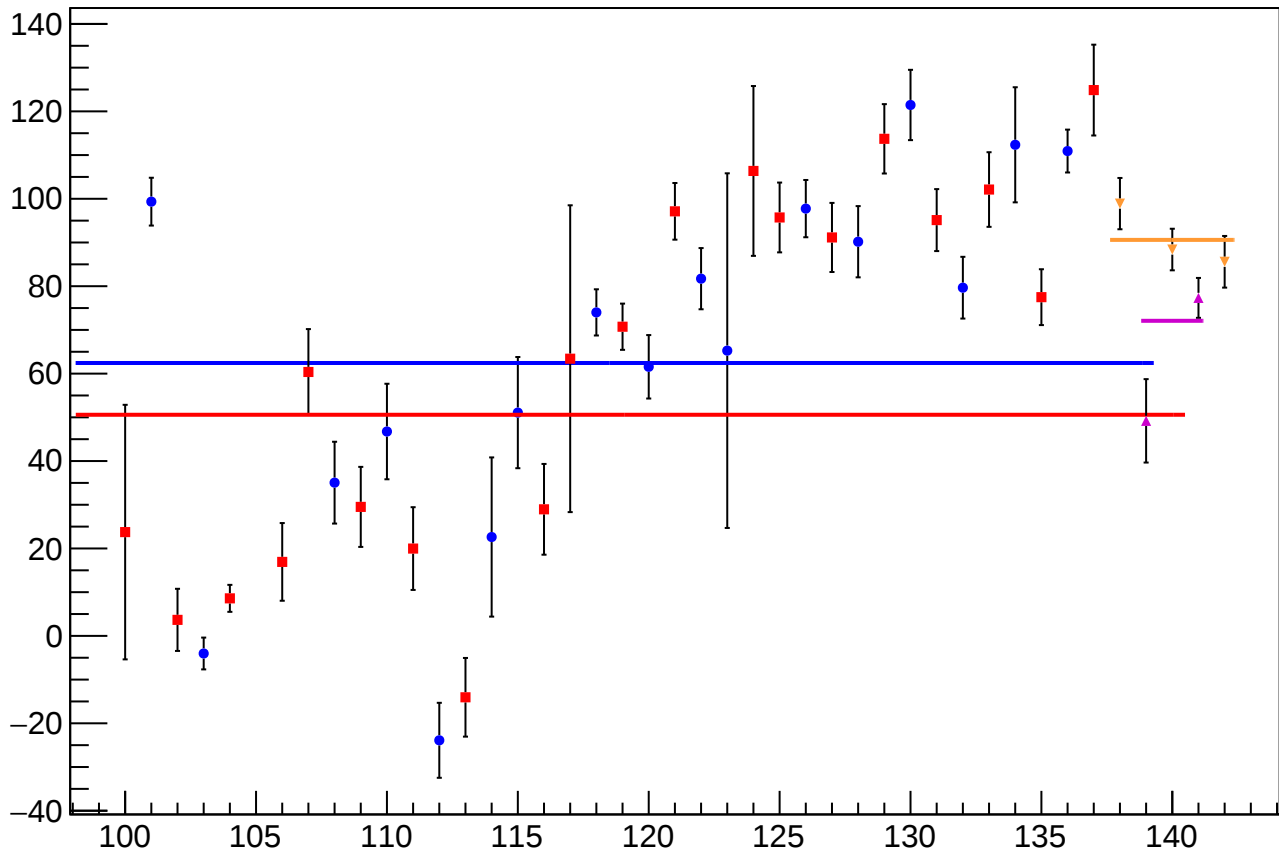
Right Out: 262.016+/-2.455 χ^2/NDF : 8223.7/19

Left In: 355.716+/-4.119 χ^2/NDF : 23.2/1

276.597+/-2.015 χ^2/NDF : 7777.4/19

286.569+/-2.109 χ^2/NDF : 8628.8/21

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 90.596 $\pm$ 3.133 χ^2 /NDF: 2.9/2

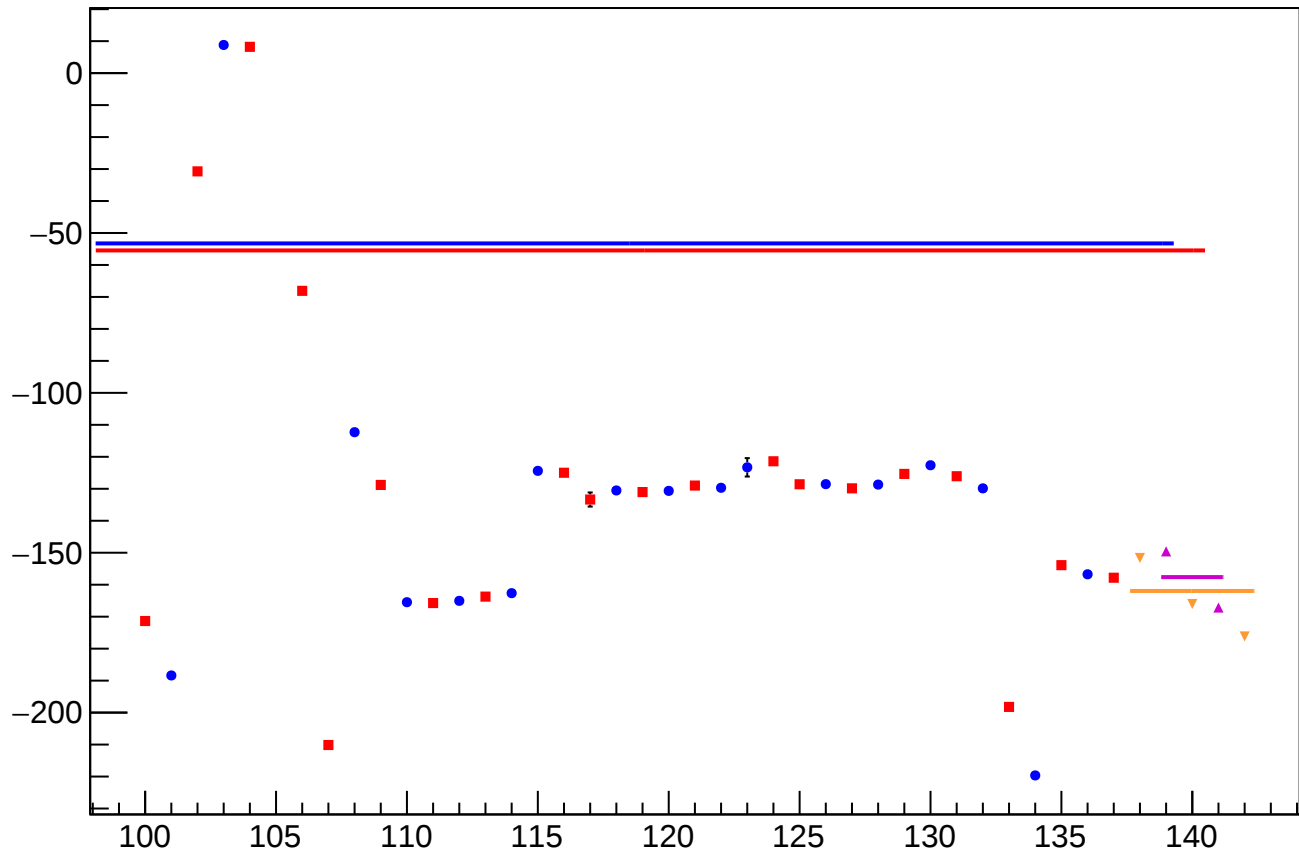
Right Out: 50.588 $\pm$ 1.640 χ^2 /NDF: 657.5/19

Left In: 72.084 $\pm$ 4.120 χ^2 /NDF: 7.1/1

68.803 $\pm$ 1.490 χ^2 /NDF: 787.2/19

53.530 $\pm$ 1.524 χ^2 /NDF: 688.1/21

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -161.955 $\pm$ 0.142 χ^2 /NDF: 4332.6/2

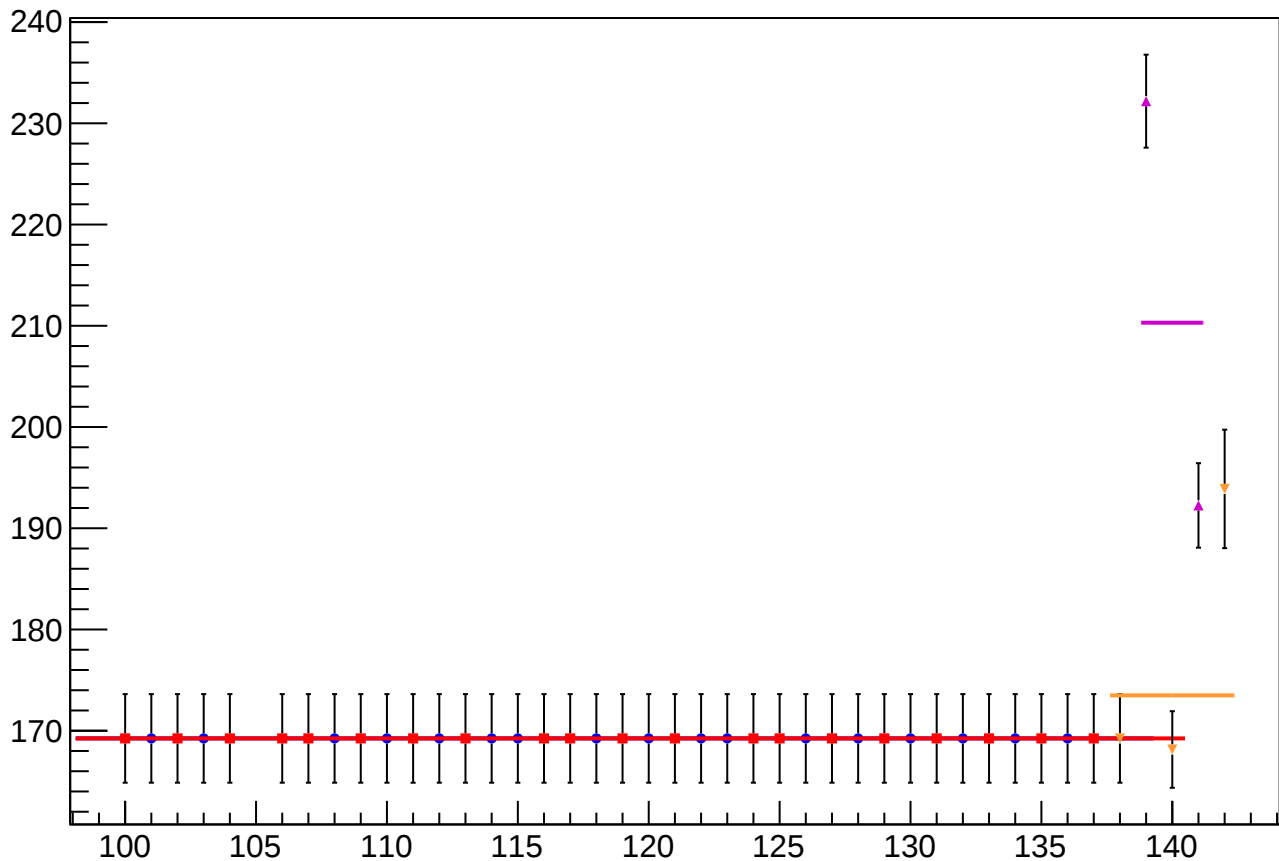
Right Out: -55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

Left In: -157.621 $\pm$ 0.155 χ^2 /NDF: 3178.3/1

-74.618 $\pm$ 0.063 χ^2 /NDF: 1697990.1/19

-73.504 $\pm$ 0.065 χ^2 /NDF: 1328012.4/21

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 169.242 $\pm$ 1.061 χ^2 /NDF: 0.0/16

Left Out: 173.492 $\pm$ 2.571 χ^2 /NDF:15.1/2

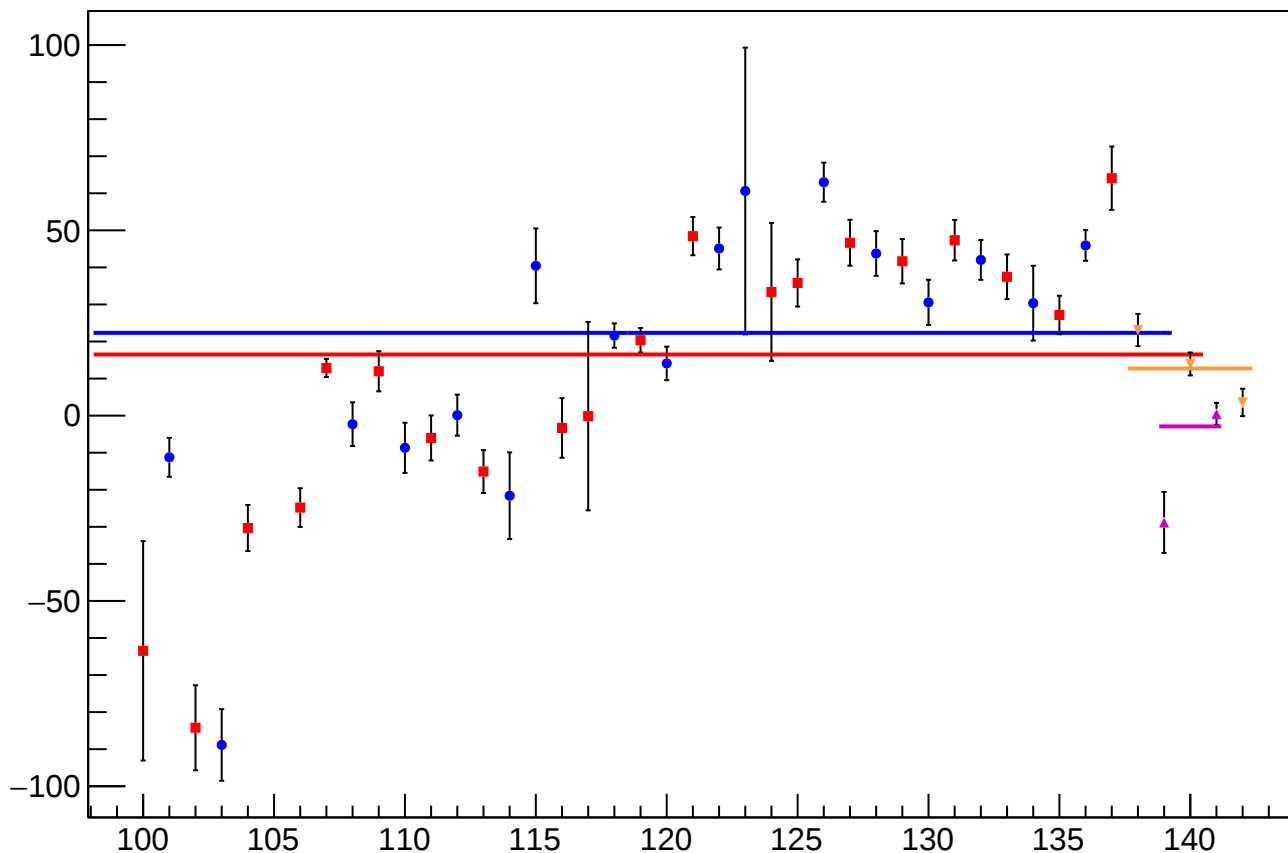
Right Out: 169.242 $\pm$ 0.979 χ^2 /NDF: 0.0/19

Left In: 210.304 $\pm$ 3.088 χ^2 /NDF:41.4/1

169.861 $\pm$ 0.981 χ^2 /NDF: 17.4/19

172.989 $\pm$ 0.933 χ^2 /NDF: 202.1/21

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342+/-1.395 χ^2 /NDF: 385.8/16

Left Out: 12.746+/-2.084 χ^2 /NDF: 12.0/2

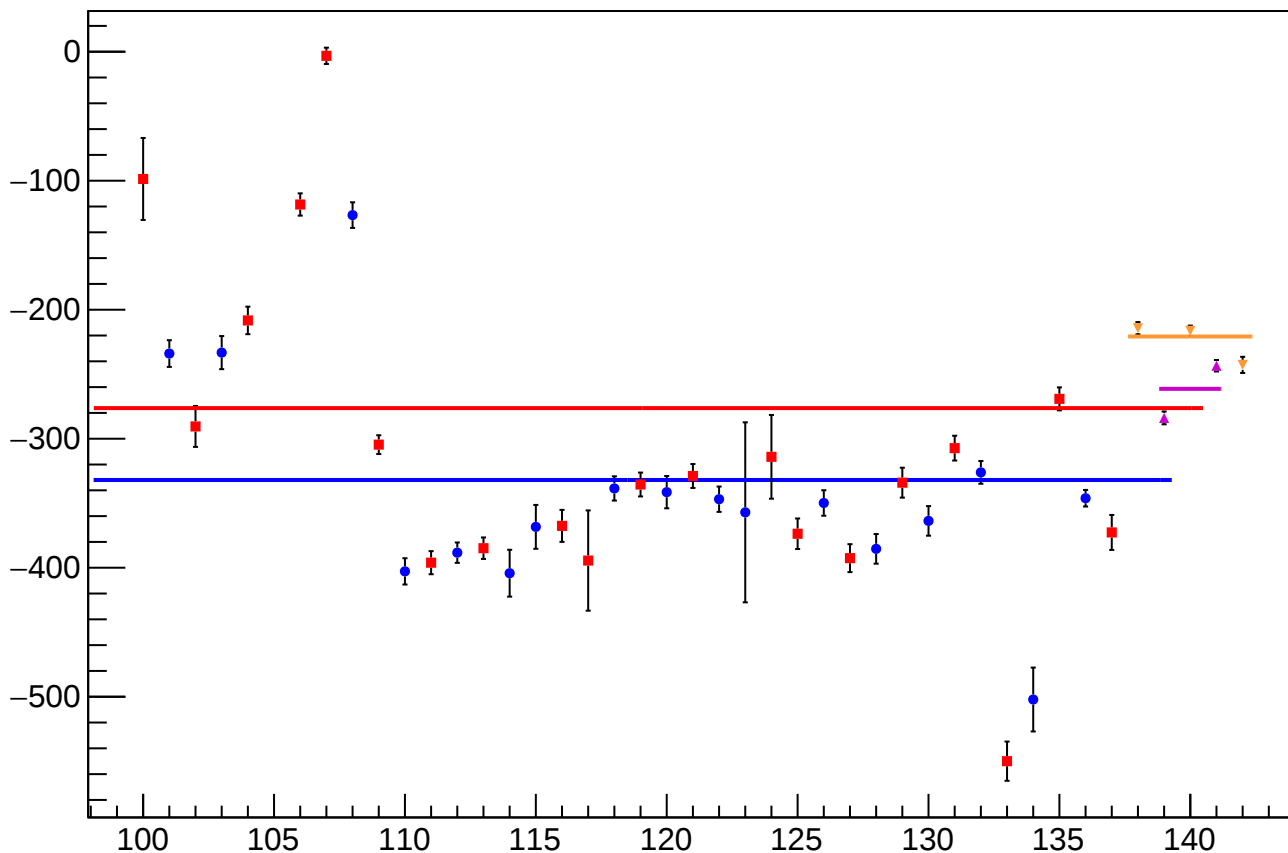
Right Out: 16.498+/-1.226 χ^2 /NDF: 427.0/19

Left In: -2.905+/-2.798 χ^2 /NDF: 11.2/1

19.373+/-1.159 χ^2 /NDF: 412.5/19

13.373+/-1.123 χ^2 /NDF: 478.5/21

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -220.766+/-2.757 χ^2/NDF : 15.4/2

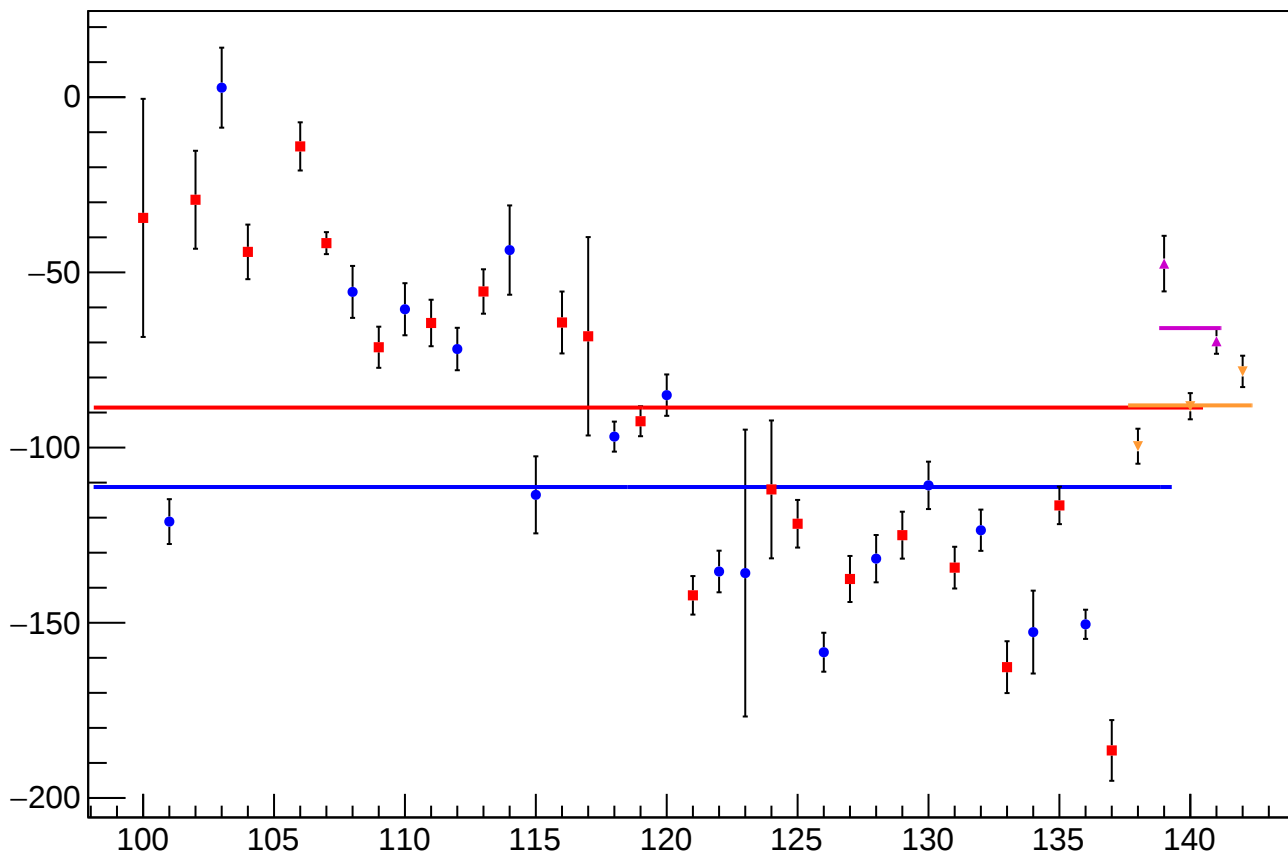
Right Out: -276.265+/-2.320 χ^2/NDF : 3371.5/19

Left In: -261.336+/-3.311 χ^2/NDF : 36.8/1

-280.056+/-1.884 χ^2/NDF : 1668.0/19

-271.347+/-1.900 χ^2/NDF : 3421.9/21

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257+/-1.597 χ^2/NDF : 509.6/16

Left Out: -87.960+/-2.488 χ^2/NDF : 10.1/2

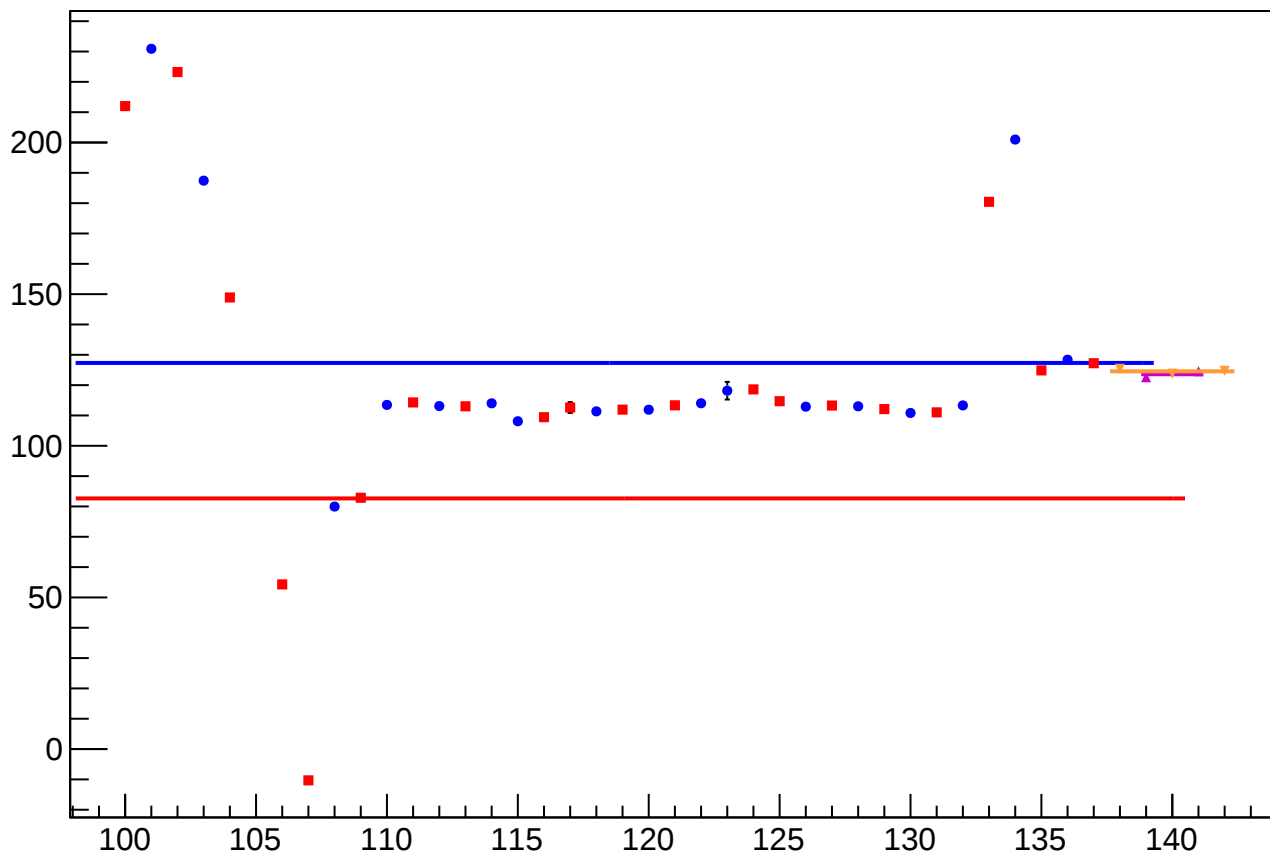
Right Out: -88.581+/-1.431 χ^2/NDF : 971.5/19

Left In: -65.901+/-3.263 χ^2/NDF : 6.5/1

-104.459+/-1.344 χ^2/NDF : 581.8/19

-84.922+/-1.311 χ^2/NDF : 1018.5/21

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 124.561+/-0.114 χ^2/NDF : 39.3/2

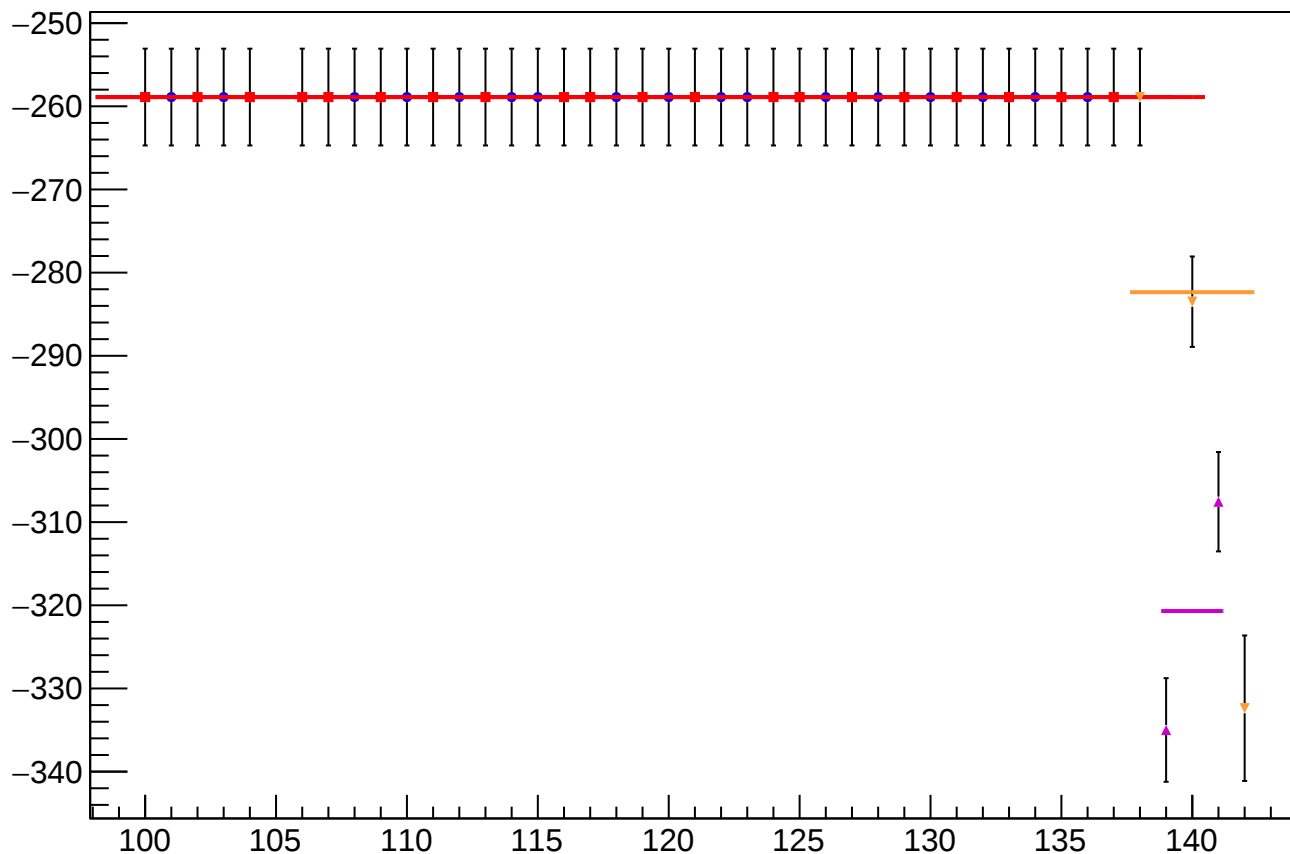
Right Out: 82.649+/-0.075 χ^2/NDF : 765307.1/19

Left In: 123.583+/-0.125 χ^2/NDF : 62.2/1

126.275+/-0.070 χ^2/NDF : 188177.3/19

93.490+/-0.065 χ^2/NDF : 843620.9/21

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -258.891 $\pm$ 1.411 χ^2 /NDF: 0.0/16

Left Out: -282.351 $\pm$ 3.617 χ^2 /NDF: 49.0/2

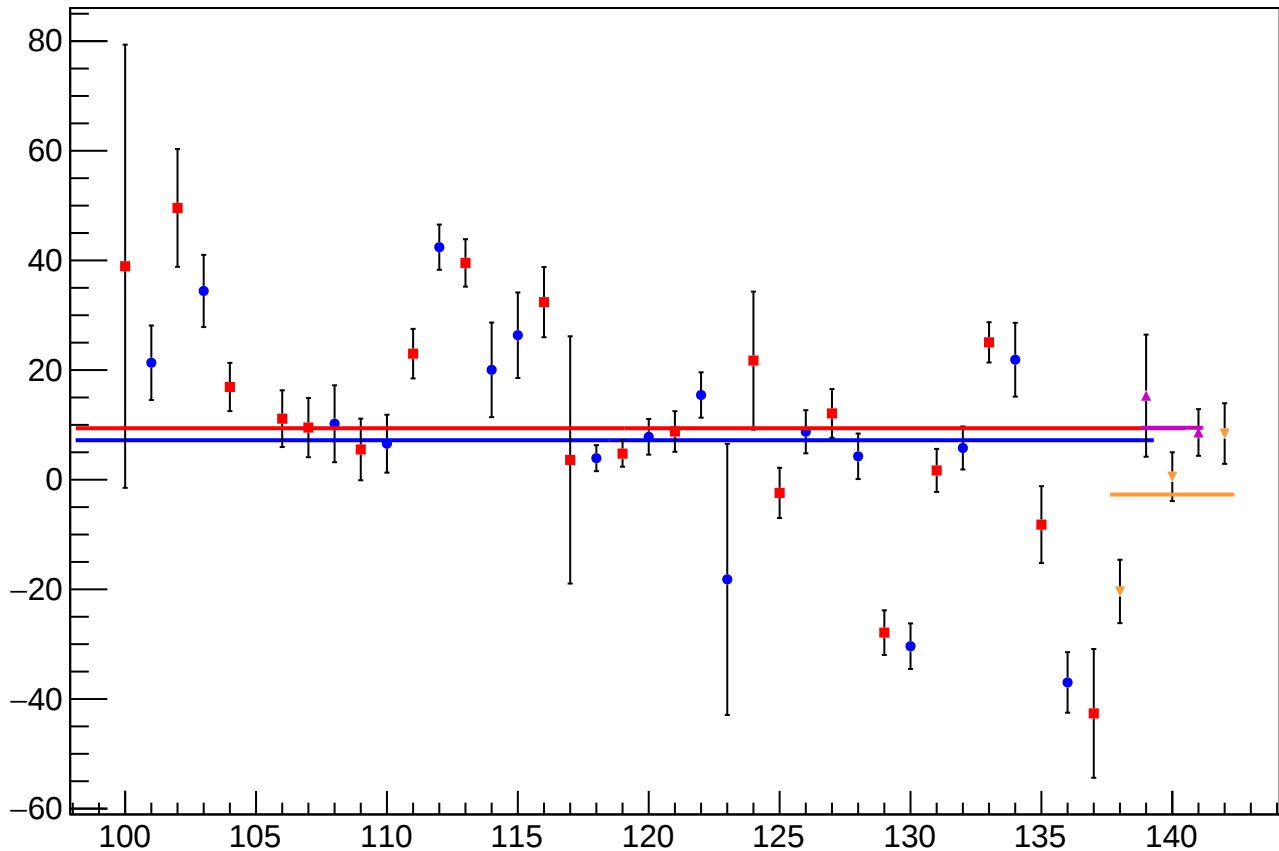
Right Out: -258.891 $\pm$ 1.301 χ^2 /NDF: 0.0/19

Left In: -320.690 $\pm$ 4.313 χ^2 /NDF: 10.1/1

-261.991 $\pm$ 1.315 χ^2 /NDF: 85.5/19

-264.048 $\pm$ 1.246 χ^2 /NDF: 198.3/21

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199+/-1.103 χ^2/NDF : 260.9/16

Left Out: -2.708+/-2.974 χ^2/NDF : 13.9/2

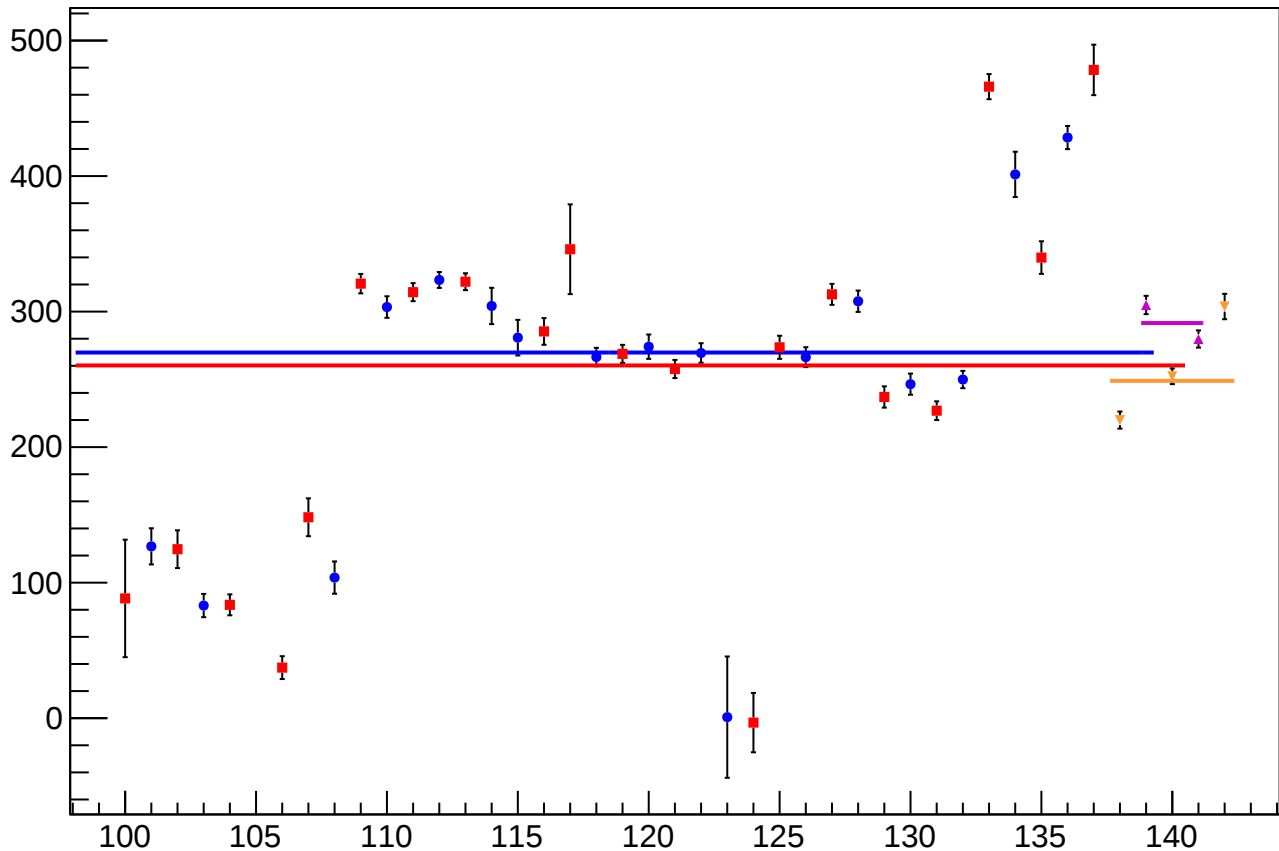
Right Out: 9.390+/-1.070 χ^2/NDF : 232.2/19

Left In: 9.474+/-3.976 χ^2/NDF : 0.3/1

6.001+/-1.034 χ^2/NDF : 284.6/19

9.395+/-1.033 χ^2/NDF : 232.5/21

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 ± 2.089 χ^2/NDF : 1374.1/16

Left Out: 248.886 ± 3.881 χ^2/NDF : 55.7/2

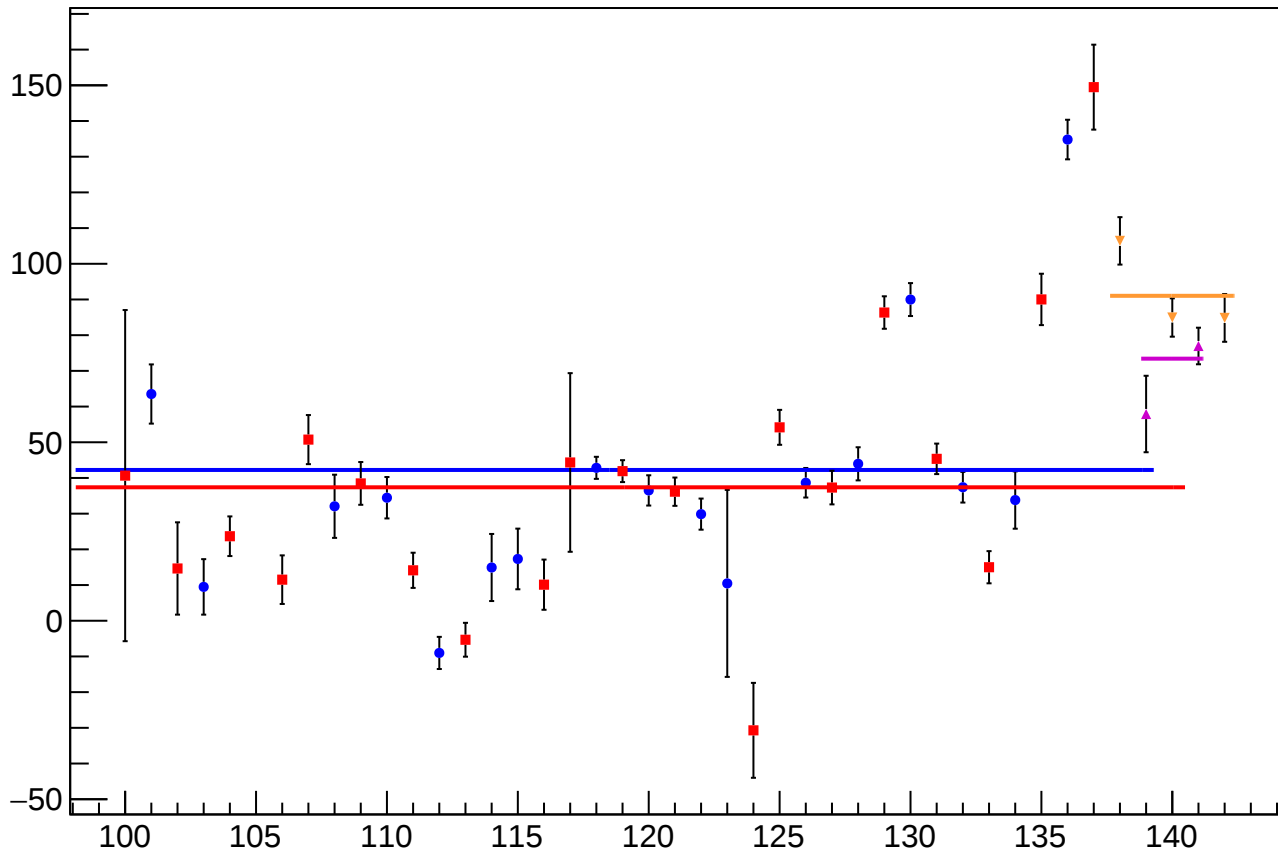
Right Out: 260.286 ± 1.973 χ^2/NDF : 2545.4/19

Left In: 291.565 ± 4.627 χ^2/NDF : 7.3/1

265.106 ± 1.840 χ^2/NDF : 1452.4/19

265.099 ± 1.815 χ^2/NDF : 2591.3/21

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 ± 1.274 χ^2/NDF : 574.4/16

Left Out: 91.029 ± 3.545 χ^2/NDF : 7.5/2

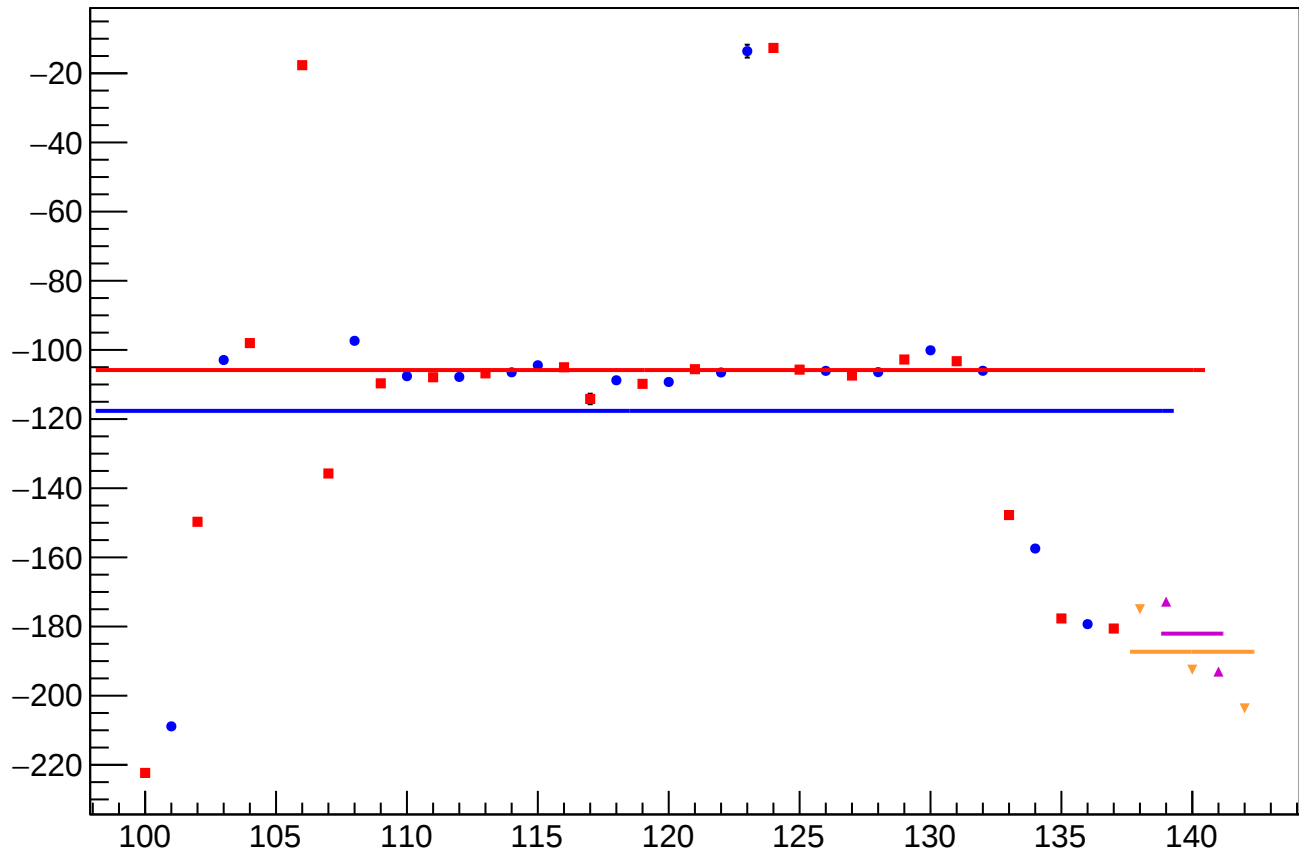
Right Out: 37.384 ± 1.233 χ^2/NDF : 472.4/19

Left In: 73.421 ± 4.623 χ^2/NDF : 2.6/1

47.820 ± 1.199 χ^2/NDF : 749.7/19

39.777 ± 1.191 χ^2/NDF : 531.7/21

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625 ± 0.079 $\chi^2/\text{NDF}: 141872.3/16$

Left Out: -187.298 ± 0.161 $\chi^2/\text{NDF}: 4725.0/2$

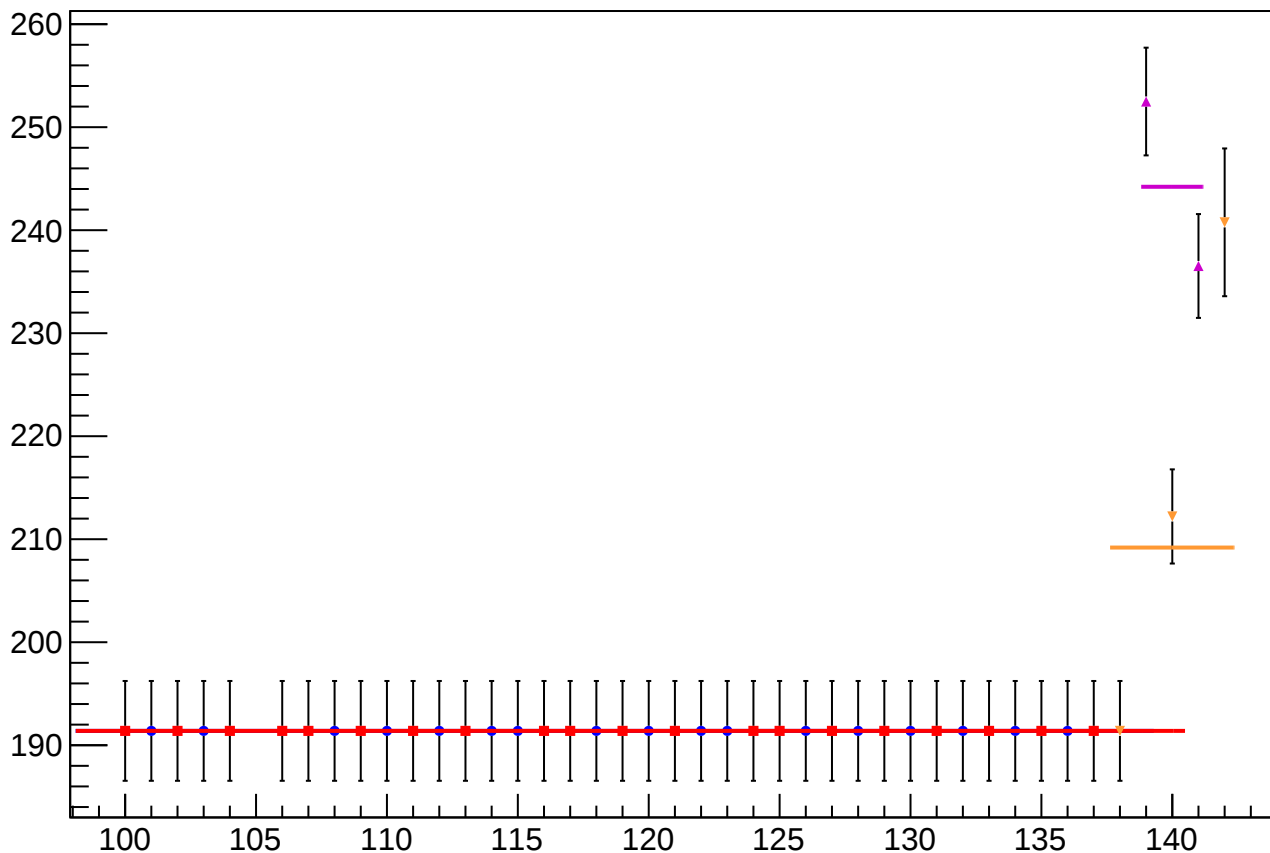
Right Out: -105.826 ± 0.073 $\chi^2/\text{NDF}: 323138.4/19$

Left In: -182.052 ± 0.174 $\chi^2/\text{NDF}: 3350.0/1$

-131.023 ± 0.071 $\chi^2/\text{NDF}: 297982.9/19$

-117.144 ± 0.067 $\chi^2/\text{NDF}: 489586.1/21$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 191.392 $\pm$ 1.175 χ^2 /NDF: 0.0/16

Left Out: 209.191 $\pm$ 3.016 χ^2 /NDF:33.3/2

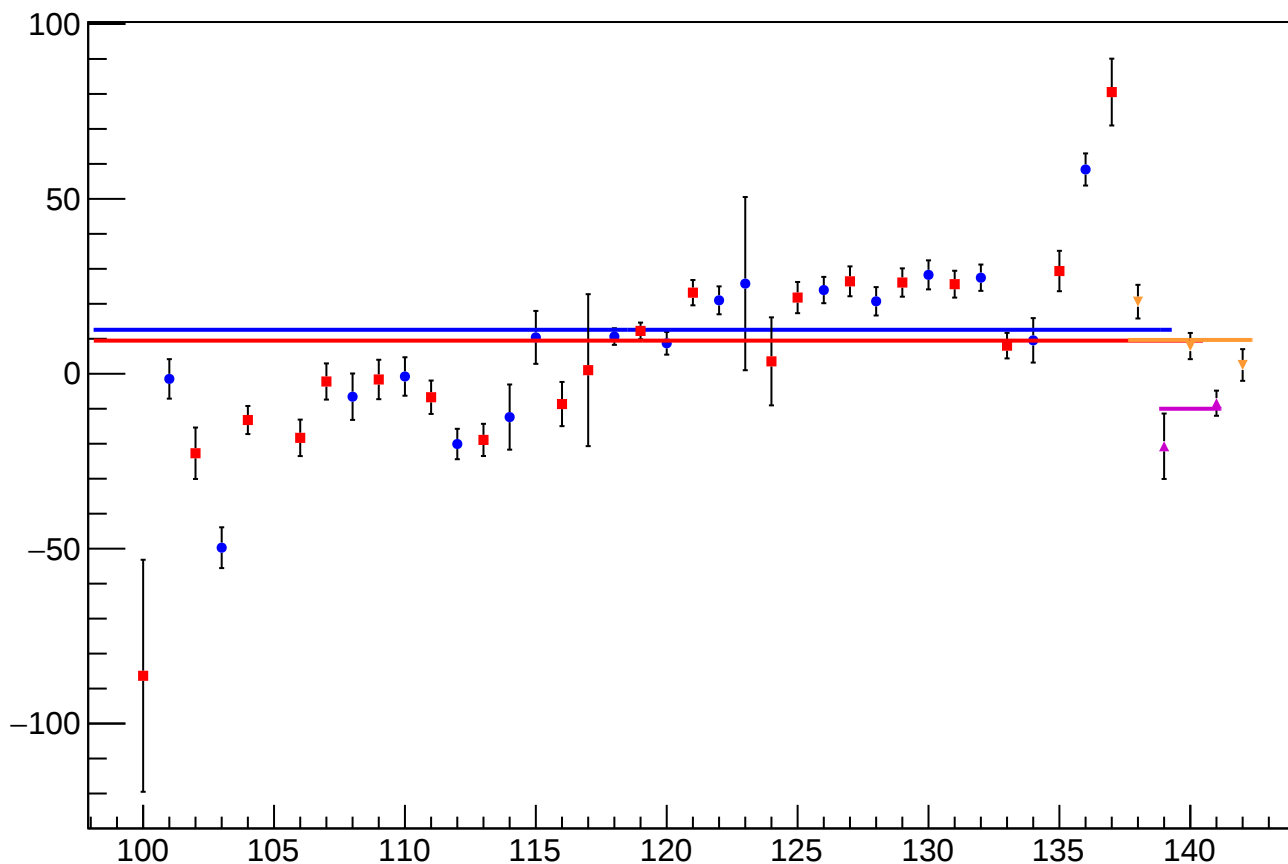
Right Out: 191.392 $\pm$ 1.083 χ^2 /NDF: 0.0/19

Left In: 244.215 $\pm$ 3.629 χ^2 /NDF:4.8/1

193.738 $\pm$ 1.095 χ^2 /NDF: 63.5/19

195.716 $\pm$ 1.038 χ^2 /NDF: 199.4/21

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: 9.670+/-2.476 χ^2/NDF : 7.9/2

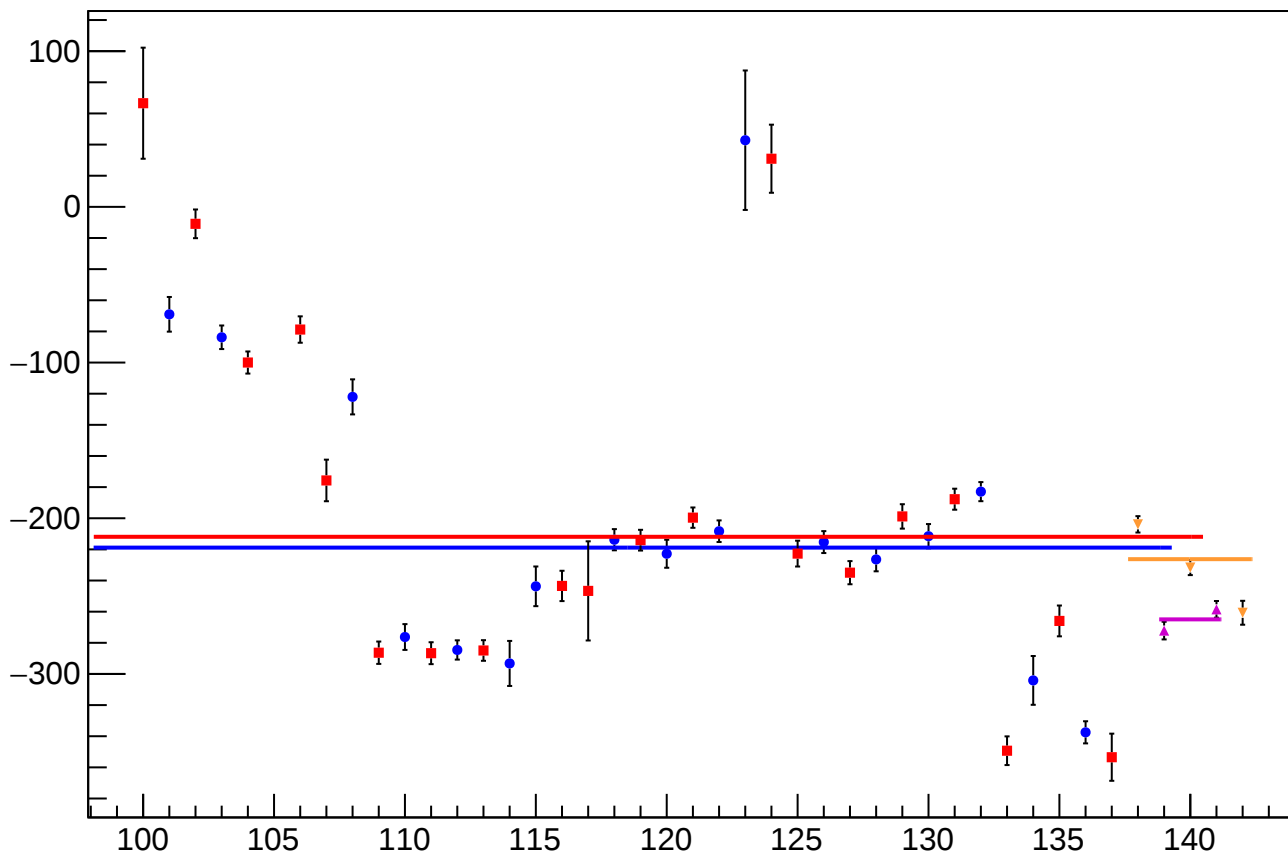
Right Out: 9.474+/-1.046 χ^2/NDF : 296.0/19

Left In: -10.001+/-3.354 χ^2/NDF : 1.5/1

12.114+/-0.985 χ^2/NDF : 357.0/19

7.747+/-0.999 χ^2/NDF : 328.2/21

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -226.275 ± 3.237 $\chi^2/\text{NDF}: 39.5/2$

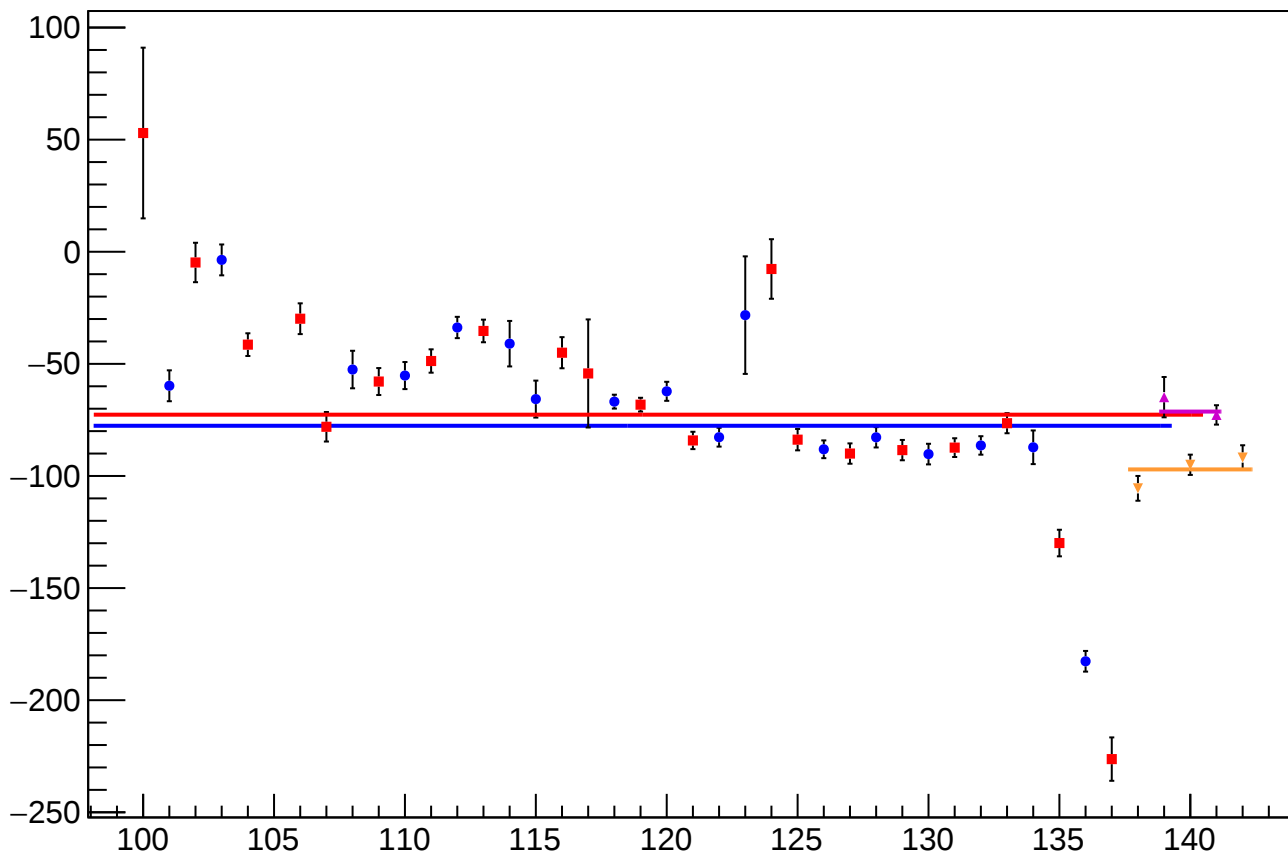
Right Out: -211.907 ± 1.920 $\chi^2/\text{NDF}: 1886.4/19$

Left In: -264.949 ± 3.894 $\chi^2/\text{NDF}: 3.1/1$

-220.939 ± 1.715 $\chi^2/\text{NDF}: 1189.8/19$

-222.285 ± 1.722 $\chi^2/\text{NDF}: 2038.7/21$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 $\pm$ 1.236 χ^2 /NDF: 815.9/16

Left Out: -97.076 $\pm$ 2.951 χ^2 /NDF: 3.5/2

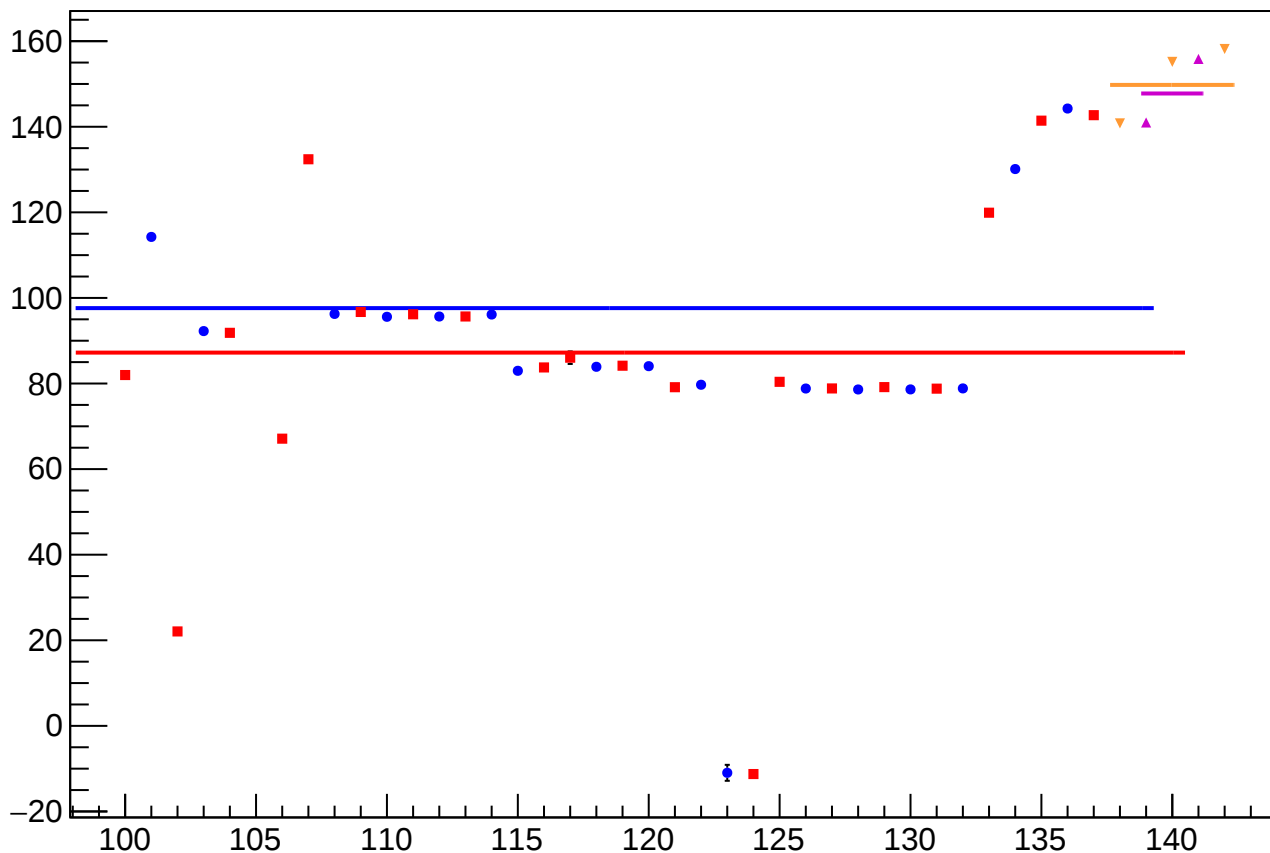
Right Out: -72.664 $\pm$ 1.205 χ^2 /NDF: 672.0/19

Left In: -71.282 $\pm$ 3.898 χ^2 /NDF: 0.6/1

-80.519 $\pm$ 1.140 χ^2 /NDF: 856.4/19

-72.543 $\pm$ 1.151 χ^2 /NDF: 672.8/21

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 149.779 $\pm$ 0.134 χ^2 /NDF: 3239.7/2

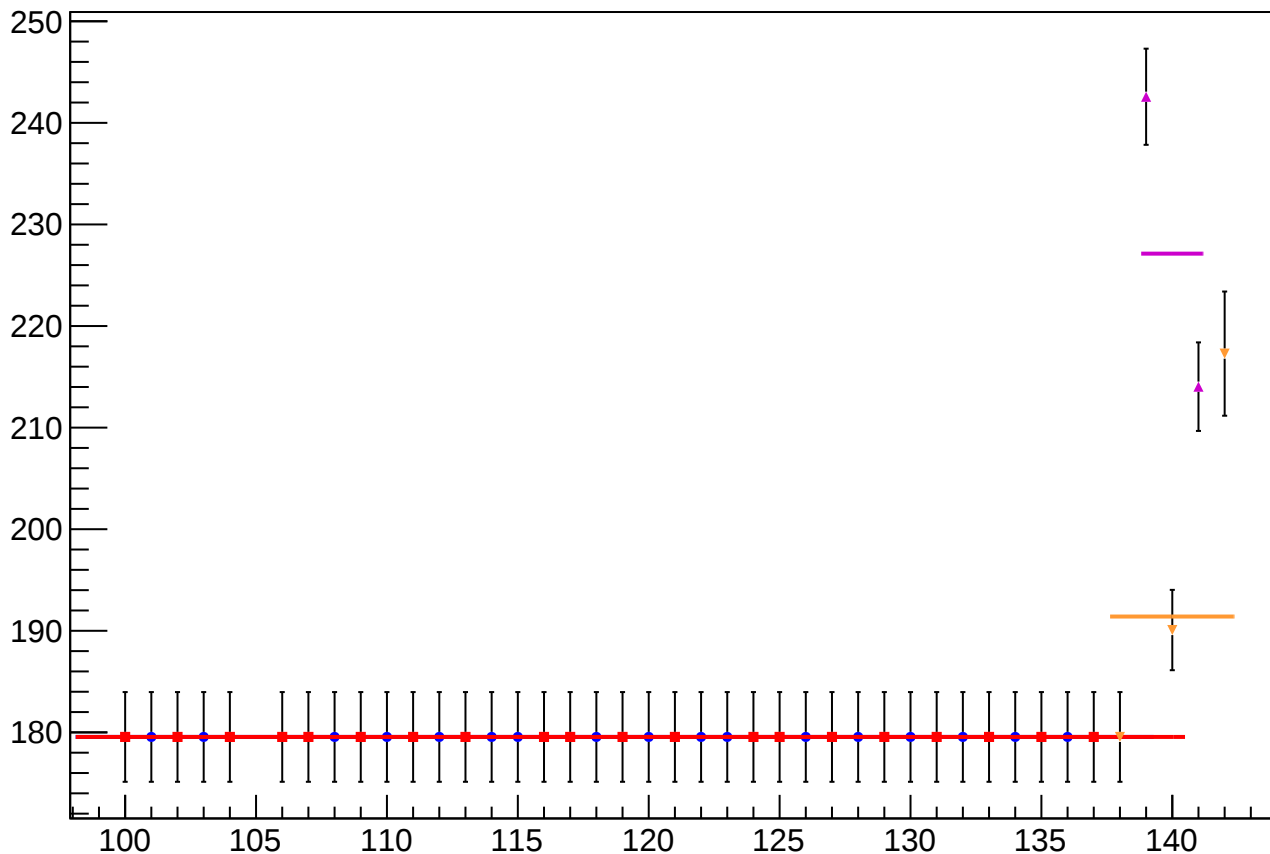
Right Out: 87.224 $\pm$ 0.068 χ^2 /NDF: 220851.2/19

Left In: 147.774 $\pm$ 0.147 χ^2 /NDF: 2547.0/1

109.720 $\pm$ 0.065 χ^2 /NDF: 213446.2/19

97.999 $\pm$ 0.062 χ^2 /NDF: 363698.0/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 179.552 $\pm$ 1.071 χ^2 /NDF: 0.0/16

Left Out: 191.404 $\pm$ 2.654 χ^2 /NDF:25.2/2

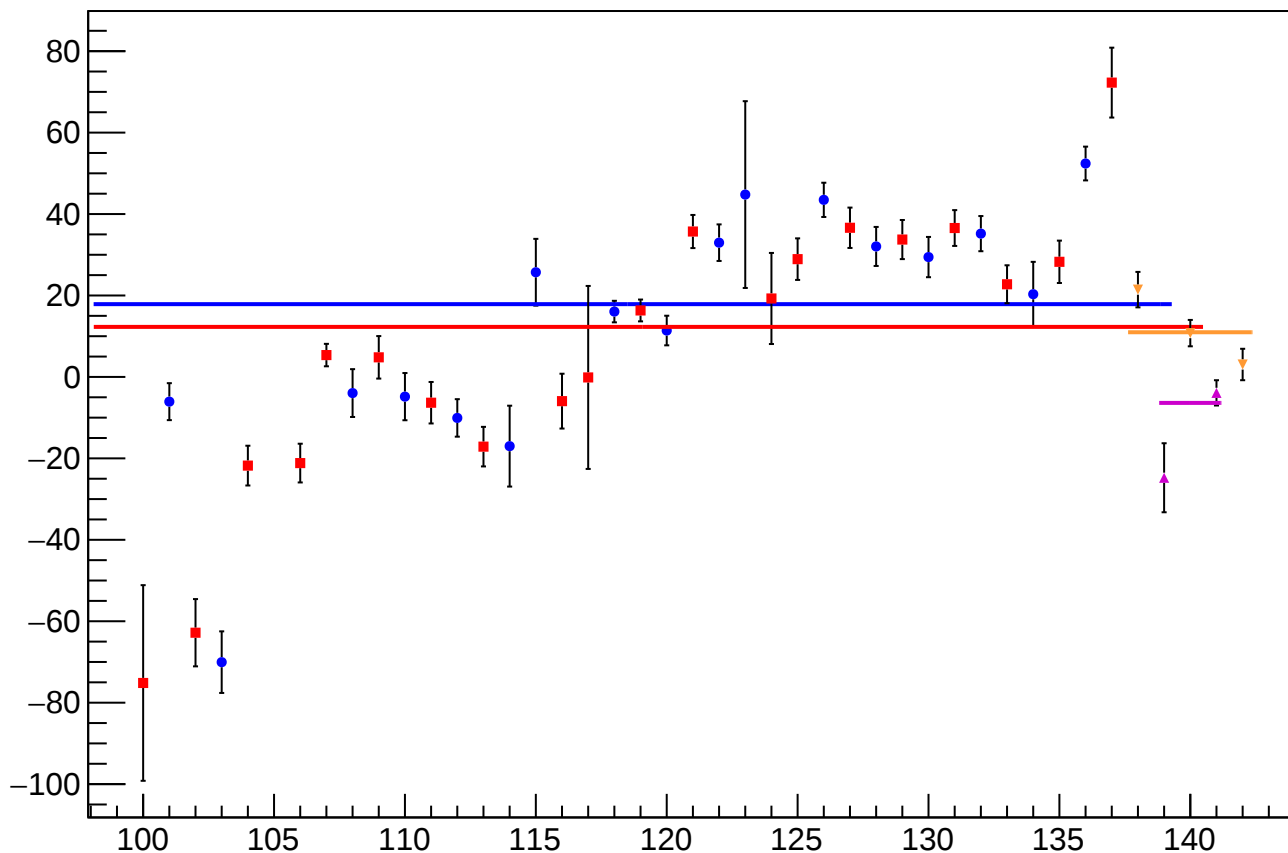
Right Out: 179.552 $\pm$ 0.988 χ^2 /NDF: 0.0/19

Left In: 227.126 $\pm$ 3.206 χ^2 /NDF:19.7/1

181.212 $\pm$ 0.993 χ^2 /NDF: 42.4/19

183.676 $\pm$ 0.944 χ^2 /NDF: 220.8/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 $\pm$ 1.166 χ^2/NDF : 395.3/16

Left Out: 10.972 $\pm$ 2.155 χ^2/NDF : 10.0/2

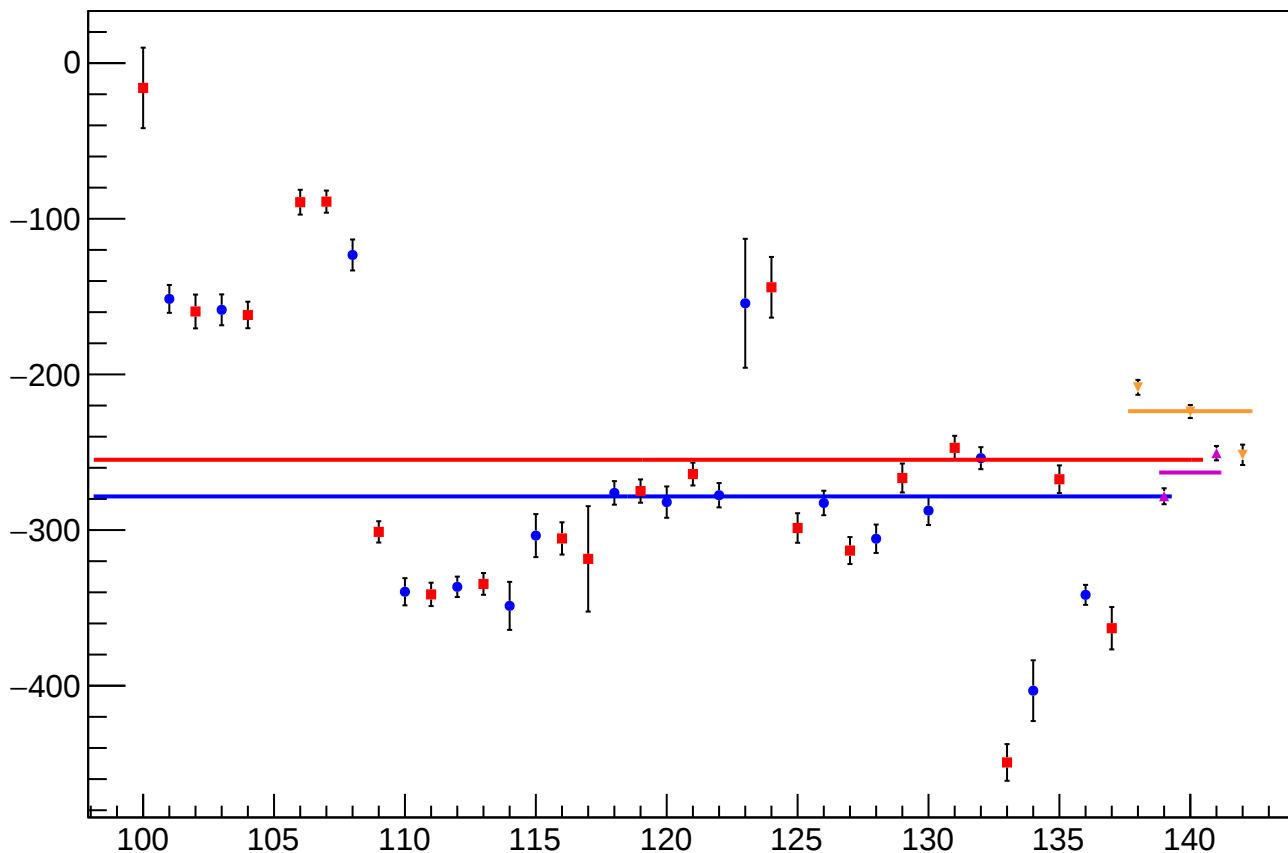
Right Out: 12.288 $\pm$ 1.082 χ^2/NDF : 444.4/19

Left In: -6.379 $\pm$ 2.915 χ^2/NDF : 5.3/1

16.310 $\pm$ 1.025 χ^2/NDF : 413.3/19

10.028 $\pm$ 1.014 χ^2/NDF : 485.7/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380+/-2.185 χ^2/NDF : 910.6/16

Left Out: -223.611+/-2.847 χ^2/NDF : 28.6/2

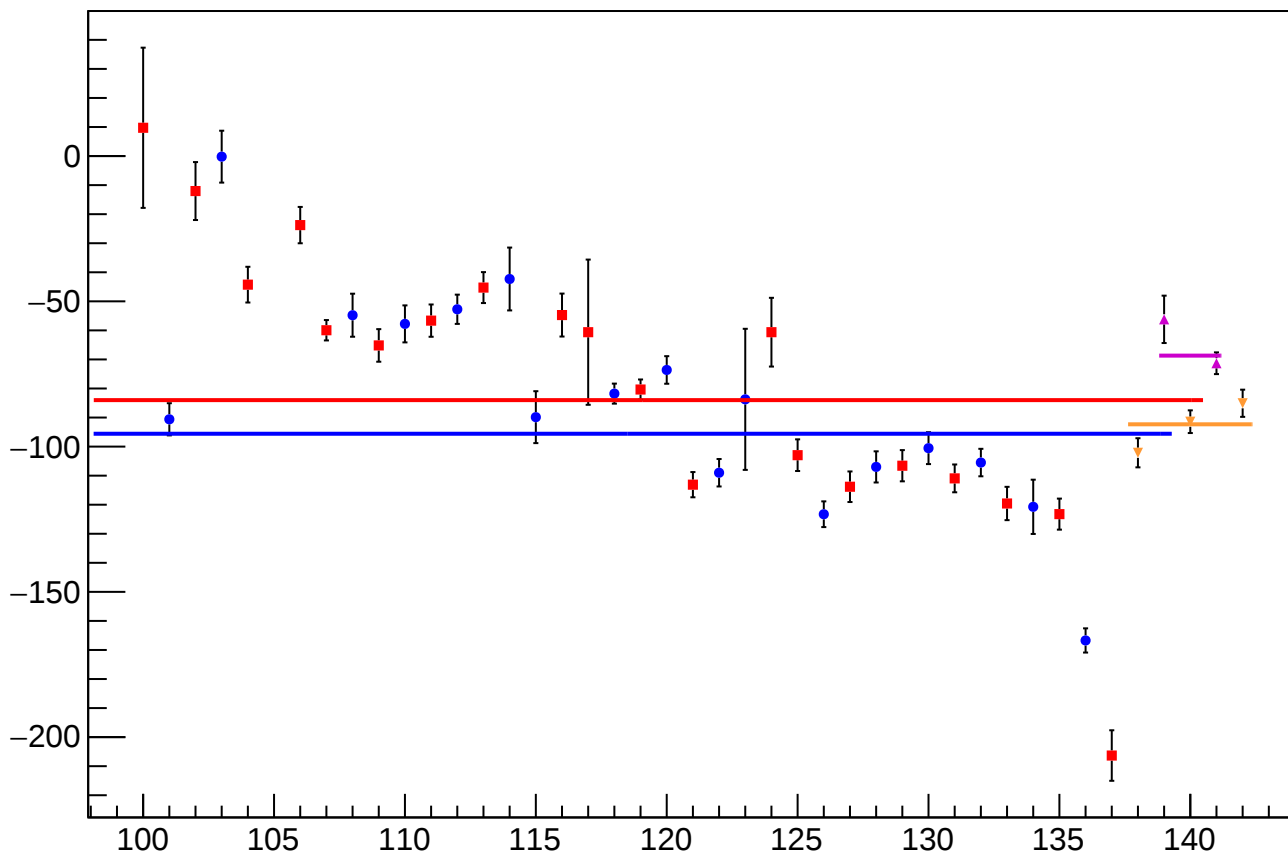
Right Out: -254.830+/-2.016 χ^2/NDF : 2041.0/19

Left In: -263.030+/-3.438 χ^2/NDF : 16.0/1

-258.076+/-1.733 χ^2/NDF : 1172.1/19

-256.929+/-1.739 χ^2/NDF : 2061.3/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 $\pm$ 1.340 χ^2/NDF : 671.2/16

Left Out: -92.328 $\pm$ 2.573 χ^2/NDF : 6.3/2

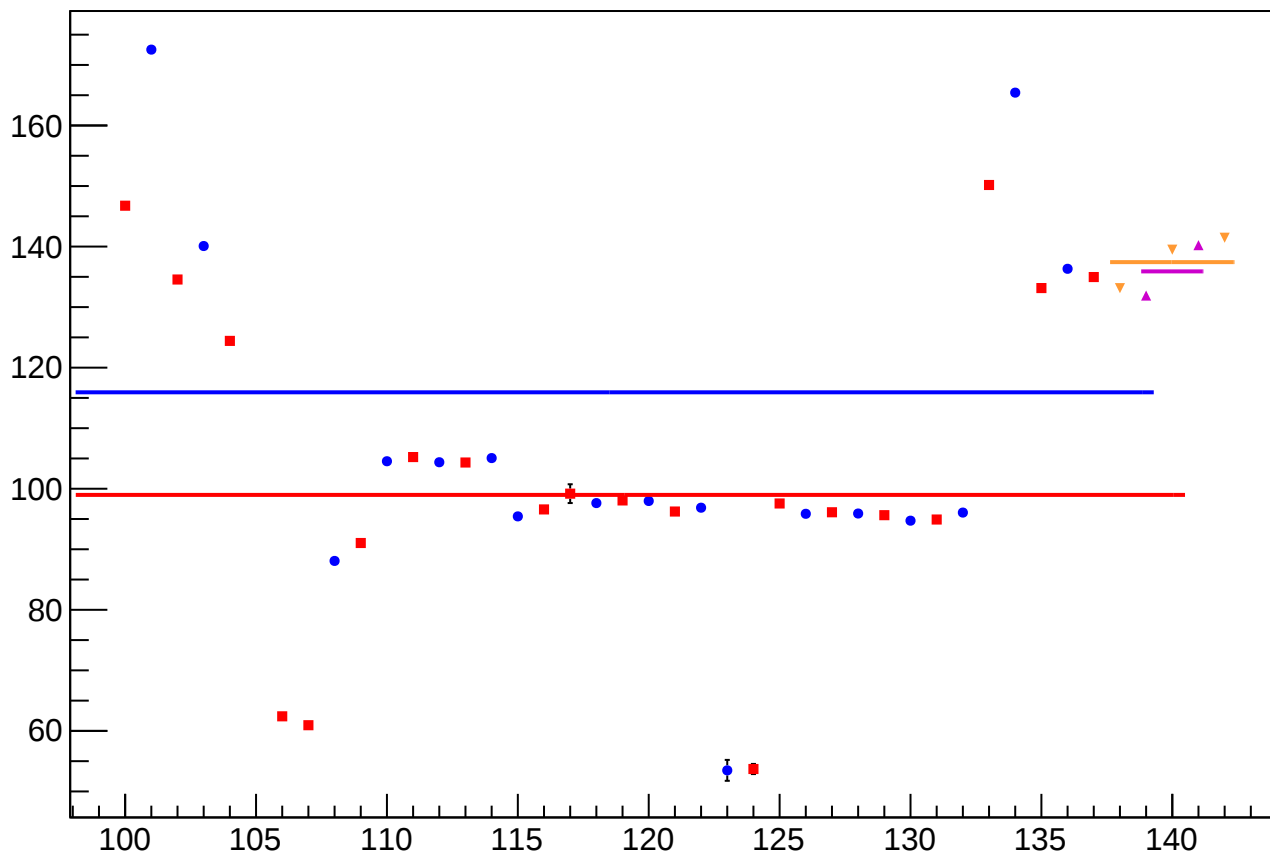
Right Out: -84.003 $\pm$ 1.255 χ^2/NDF : 784.1/19

Left In: -68.685 $\pm$ 3.398 χ^2/NDF : 2.8/1

-94.883 $\pm$ 1.189 χ^2/NDF : 678.8/19

-82.165 $\pm$ 1.177 χ^2/NDF : 804.8/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 137.431 $\pm$ 0.118 χ^2 /NDF:869.9/2

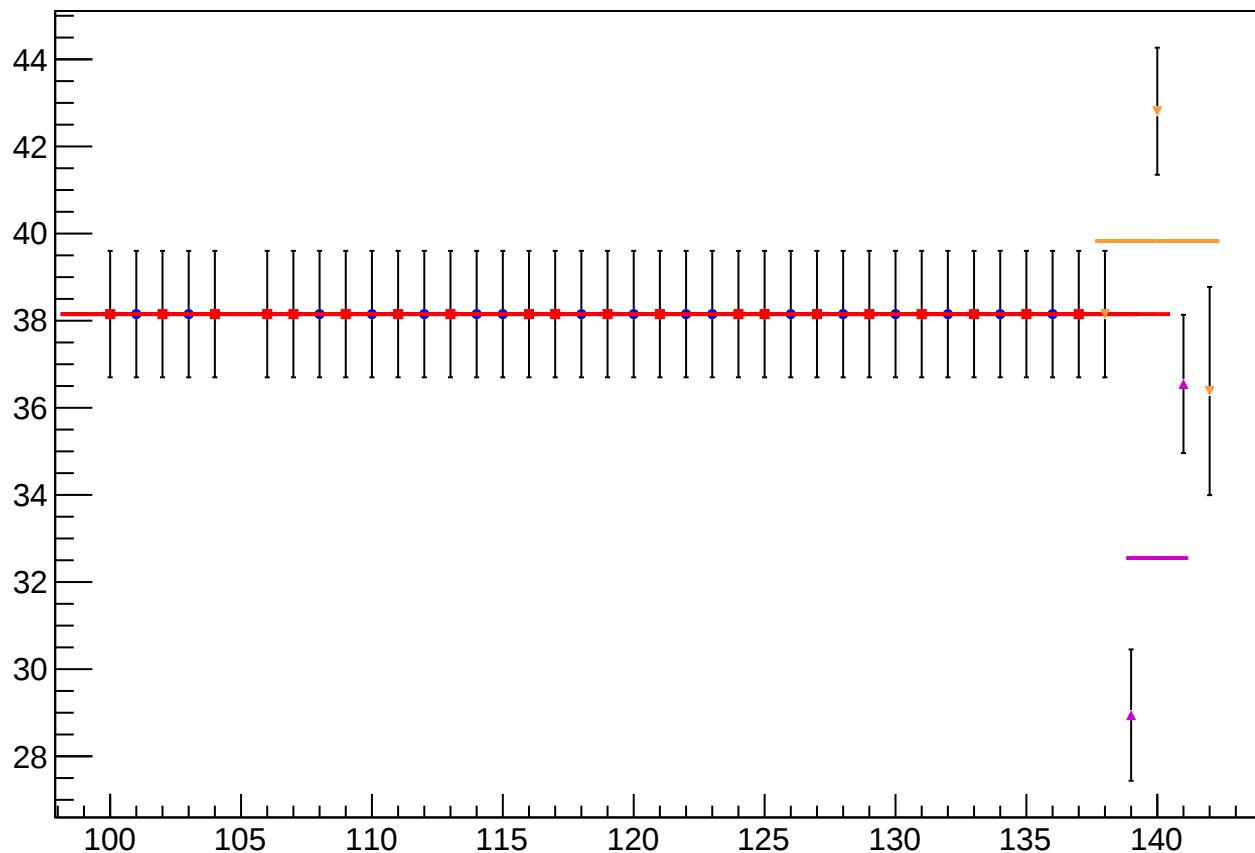
Right Out: 98.982 $\pm$ 0.068 χ^2 /NDF: 172974.2/19

Left In: 135.900 $\pm$ 0.130 χ^2 /NDF:1022.8/1

122.499 $\pm$ 0.065 χ^2 /NDF: 129638.7/19

106.999 $\pm$ 0.061 χ^2 /NDF: 237105.5/21

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 38.151+/-0.352 χ^2 /NDF: 0.0/16

Left Out: 39.830+/-0.945 χ^2 /NDF: 7.6/2

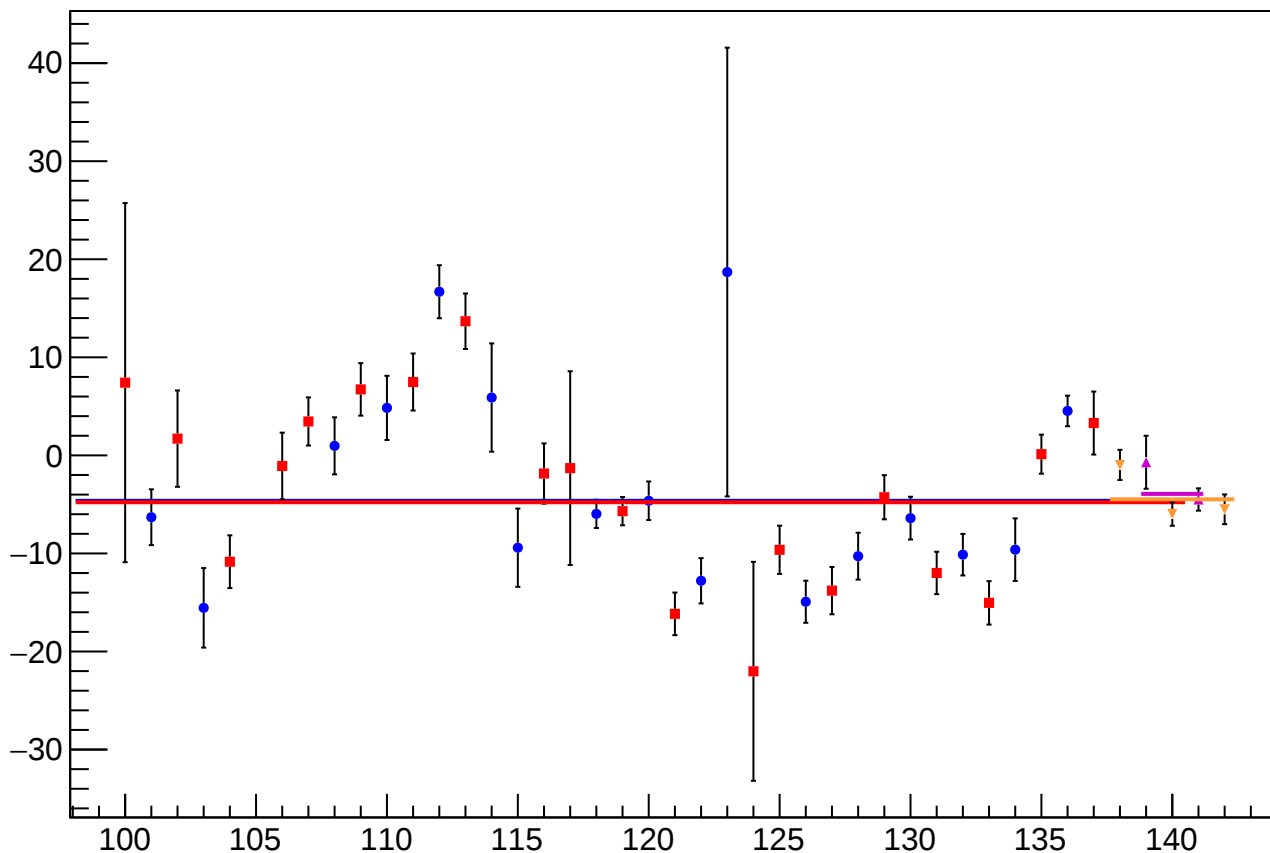
Right Out: 38.151+/-0.325 χ^2 /NDF: 0.0/19

Left In: 32.552+/-1.094 χ^2 /NDF: 12.1/1

38.356+/-0.330 χ^2 /NDF: 10.4/19

37.698+/-0.311 χ^2 /NDF: 36.2/21

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -4.480 ± 0.804 χ^2/NDF : 7.2/2

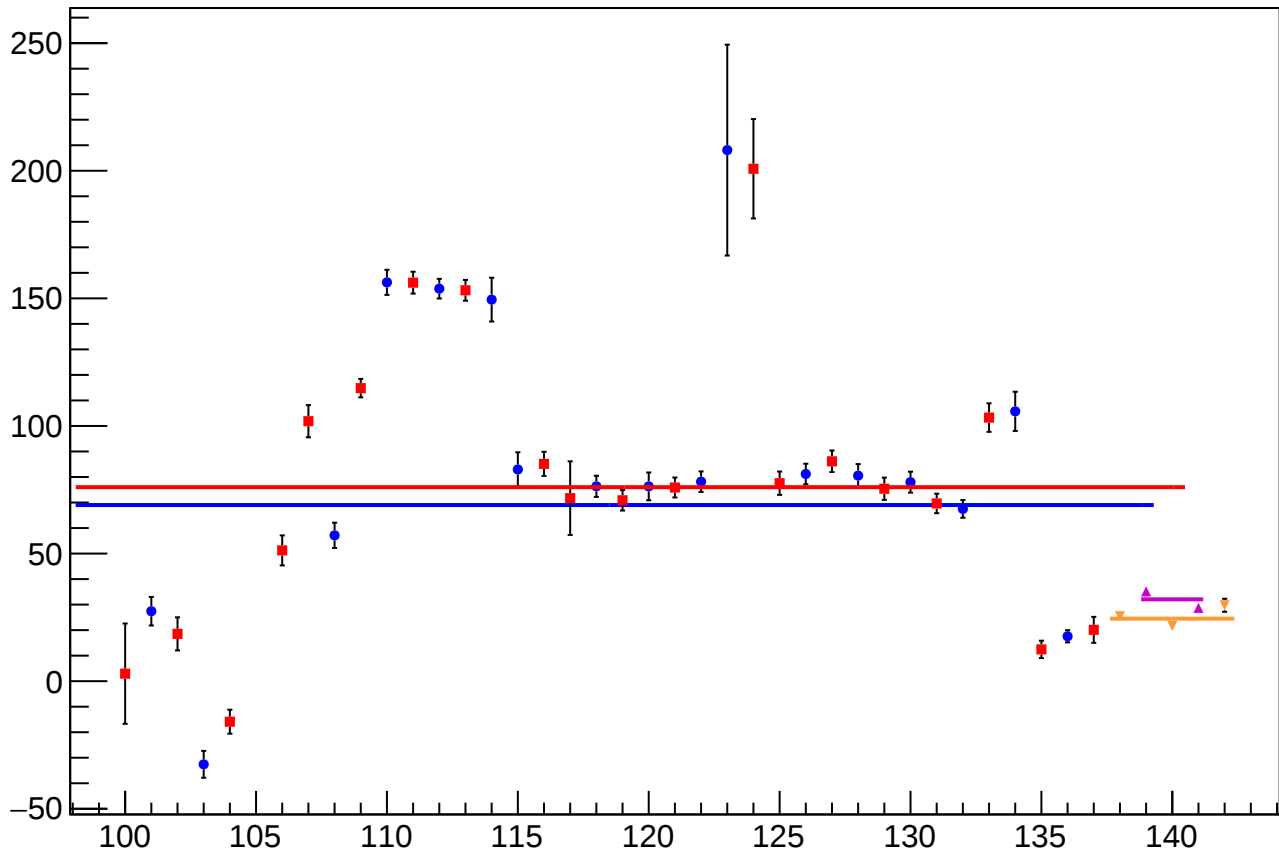
Right Out: -4.779 ± 0.583 χ^2/NDF : 192.7/19

Left In: -3.927 ± 1.049 χ^2/NDF : 1.7/1

-4.582 ± 0.475 χ^2/NDF : 181.6/19

-4.577 ± 0.510 χ^2/NDF : 194.8/21

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 24.497+/-1.015 χ^2/NDF : 8.0/2

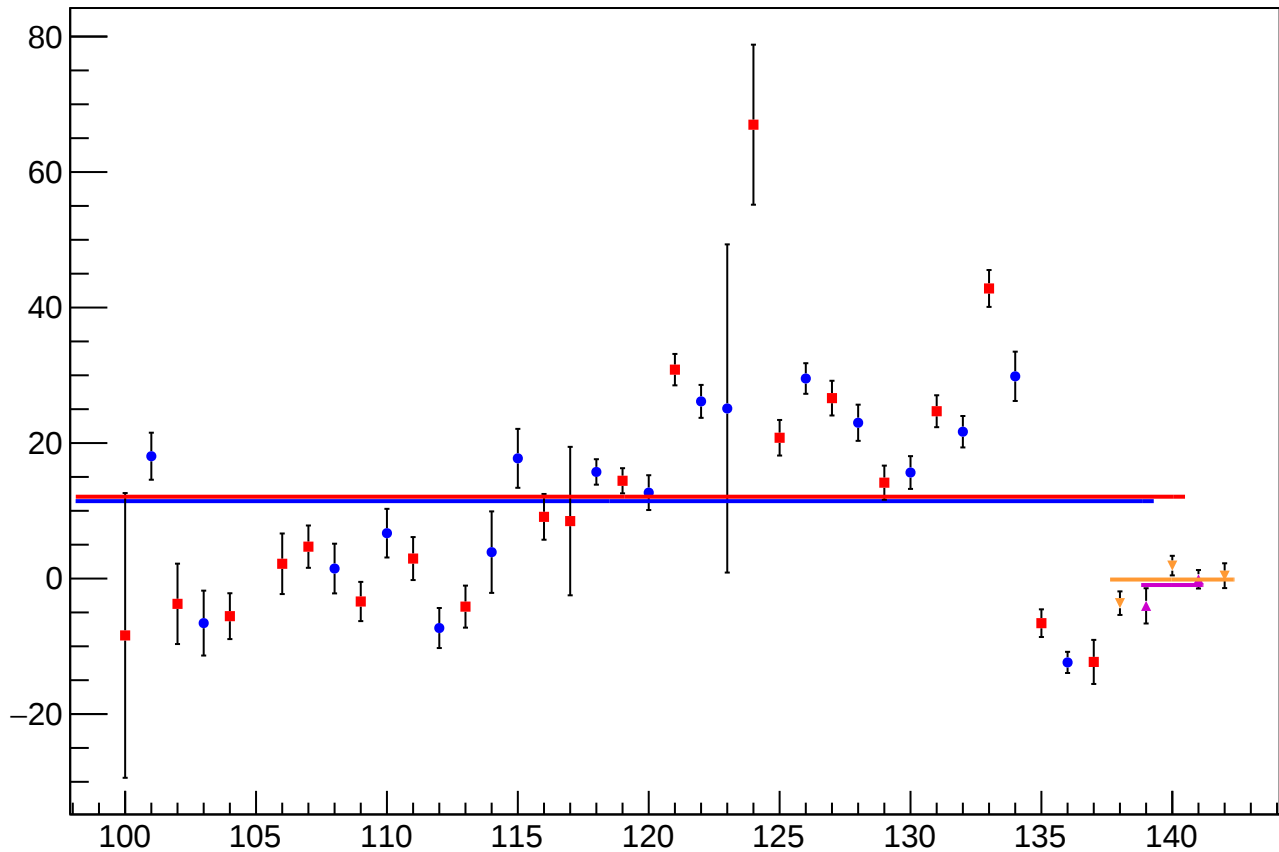
Right Out: 76.017+/-1.067 χ^2/NDF : 1882.0/19

Left In: 32.069+/-1.174 χ^2/NDF : 7.5/1

45.312+/-0.741 χ^2/NDF : 2755.2/19

56.144+/-0.790 χ^2/NDF : 2656.8/21

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: -0.144 $\pm$ 0.950 χ^2 /NDF: 6.1/2

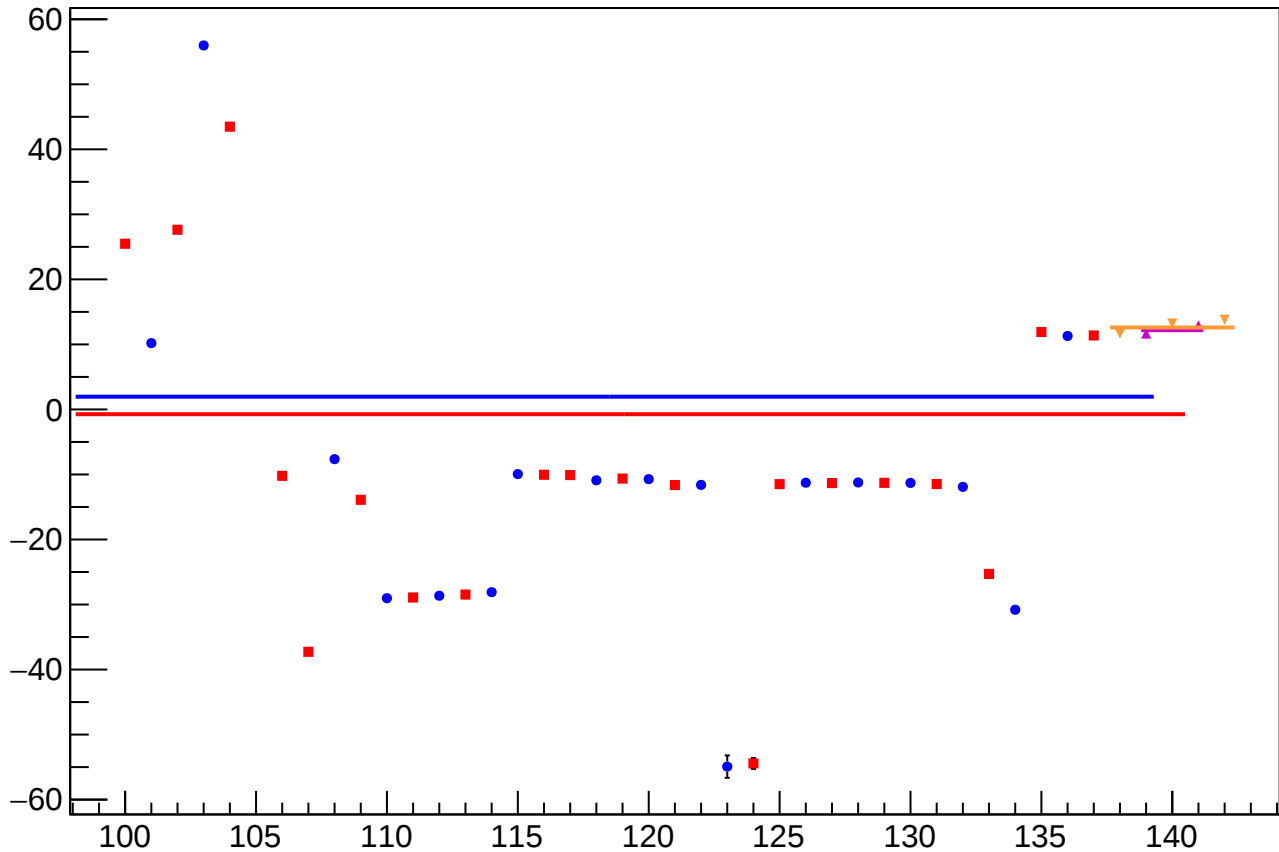
Right Out: 12.082 $\pm$ 0.663 χ^2 /NDF: 539.2/19

Left In: -0.953 $\pm$ 1.209 χ^2 /NDF: 1.8/1

7.619 $\pm$ 0.545 χ^2 /NDF: 582.4/19

9.068 $\pm$ 0.581 χ^2 /NDF: 630.4/21

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960+/-0.037 χ^2/NDF : 358457.0/16

Left Out: 12.604+/-0.041 χ^2/NDF : 447.4/2

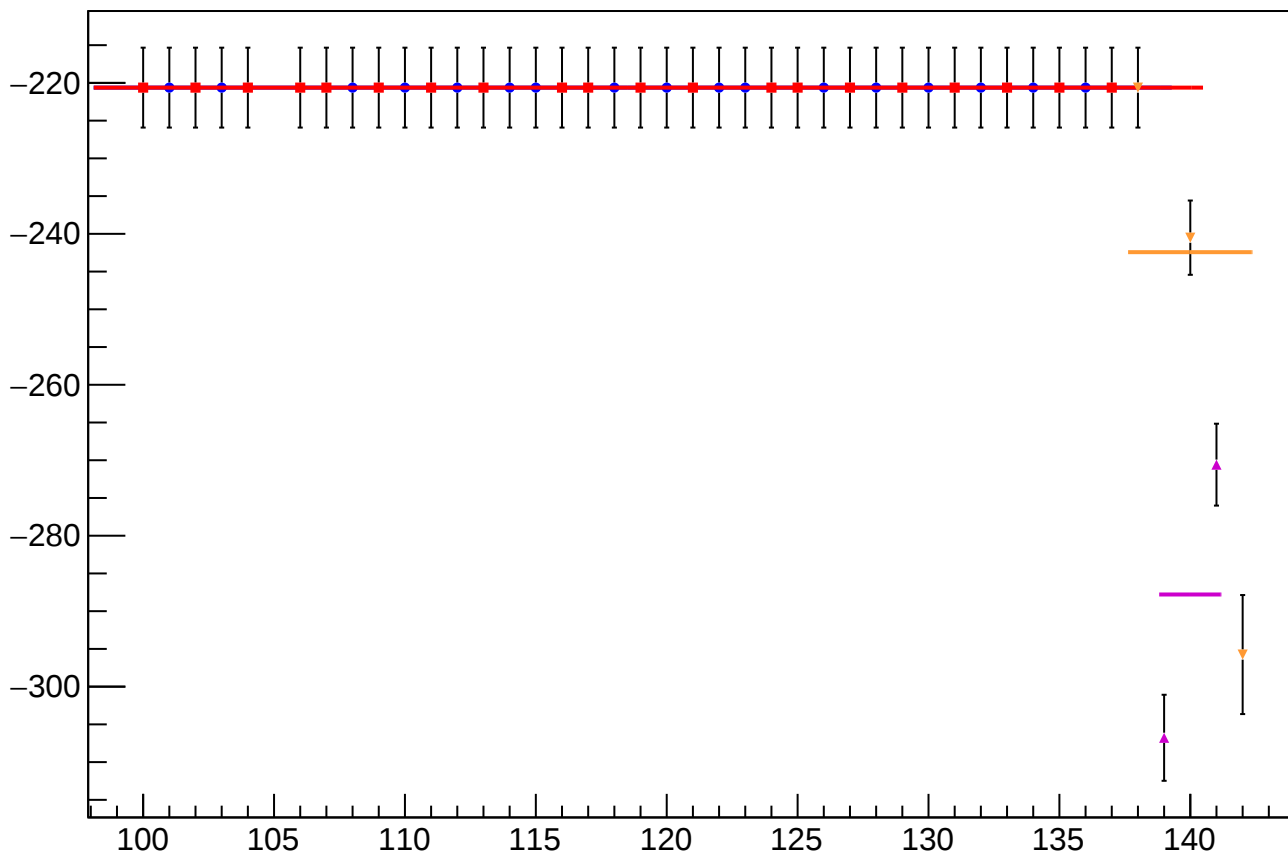
Right Out: -0.733+/-0.037 χ^2/NDF : 361368.4/19

Left In: 12.193+/-0.044 χ^2/NDF : 205.9/1

6.698+/-0.028 χ^2/NDF : 395444.6/19

4.653+/-0.028 χ^2/NDF : 412259.8/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -220.625+/-1.284 χ^2/NDF : 0.0/16

Left Out: -242.428+/-3.278 χ^2/NDF : 62.8/2

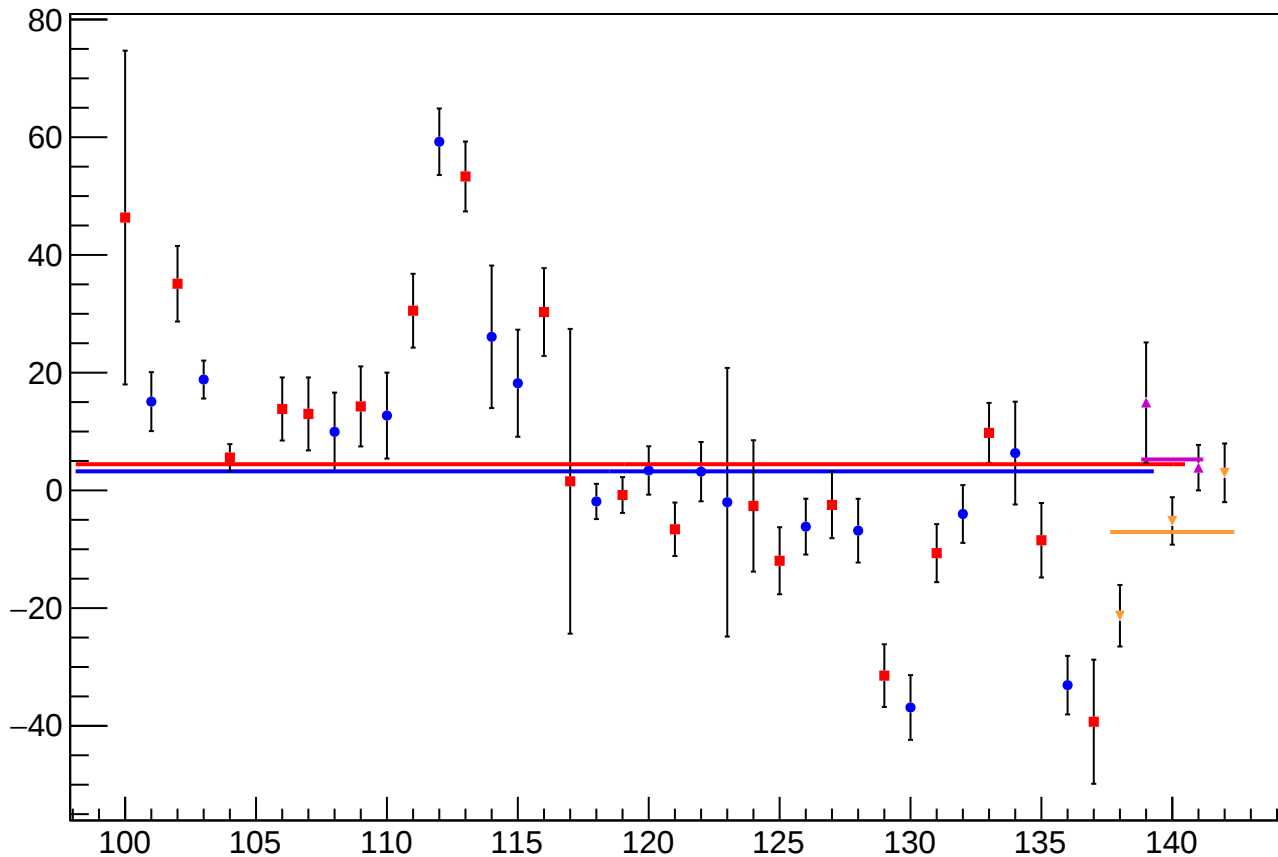
Right Out: -220.625+/-1.184 χ^2/NDF : 0.0/19

Left In: -287.789+/-3.930 χ^2/NDF : 21.1/1

-223.525+/-1.196 χ^2/NDF : 101.2/19

-226.212+/-1.133 χ^2/NDF : 288.9/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 $\pm$ 1.244 χ^2 /NDF: 255.3/16

Left Out: -7.069 $\pm$ 2.686 χ^2 /NDF:11.7/2

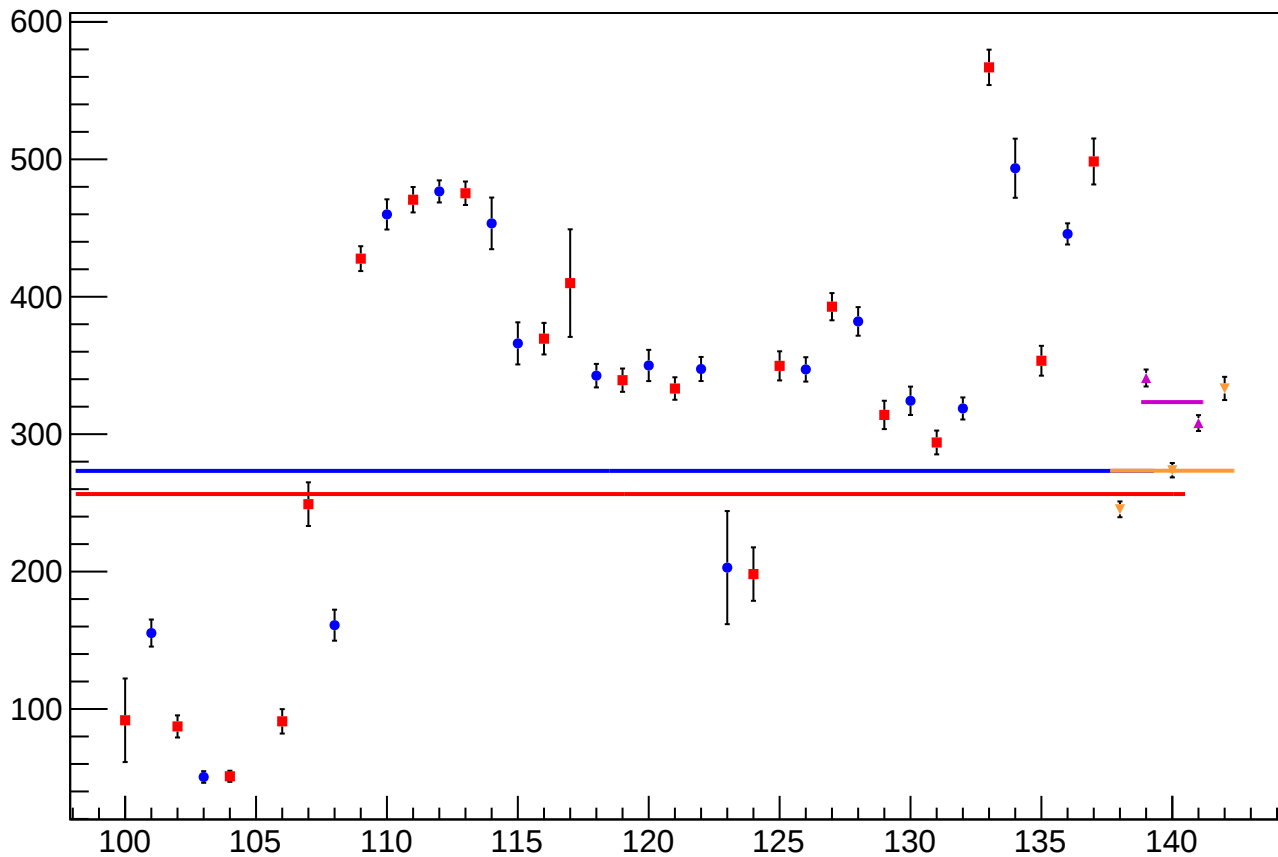
Right Out: 4.444 $\pm$ 1.156 χ^2 /NDF: 225.8/19

Left In: 5.258 $\pm$ 3.613 χ^2 /NDF:1.0/1

1.418 $\pm$ 1.129 χ^2 /NDF: 279.1/19

4.519 $\pm$ 1.101 χ^2 /NDF: 226.8/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276+/-2.205 χ^2/NDF : 5101.5/16

Left Out: 273.413+/-3.517 χ^2/NDF : 74.3/2

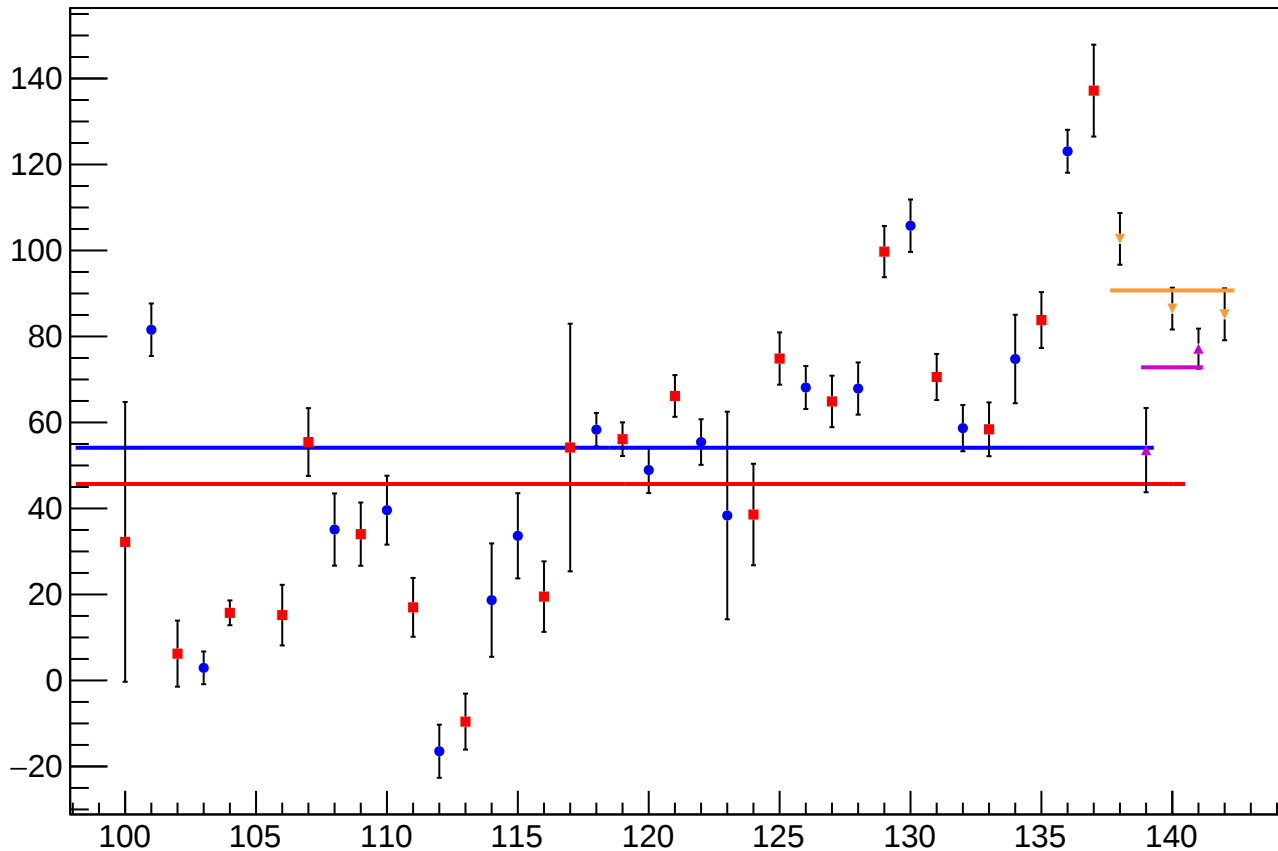
Right Out: 256.418+/-2.077 χ^2/NDF : 6453.9/19

Left In: 323.347+/-4.216 χ^2/NDF : 15.1/1

273.315+/-1.868 χ^2/NDF : 5175.8/19

269.486+/-1.863 χ^2/NDF : 6671.7/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 90.709 $\pm$ 3.205 χ^2 /NDF: 5.6/2

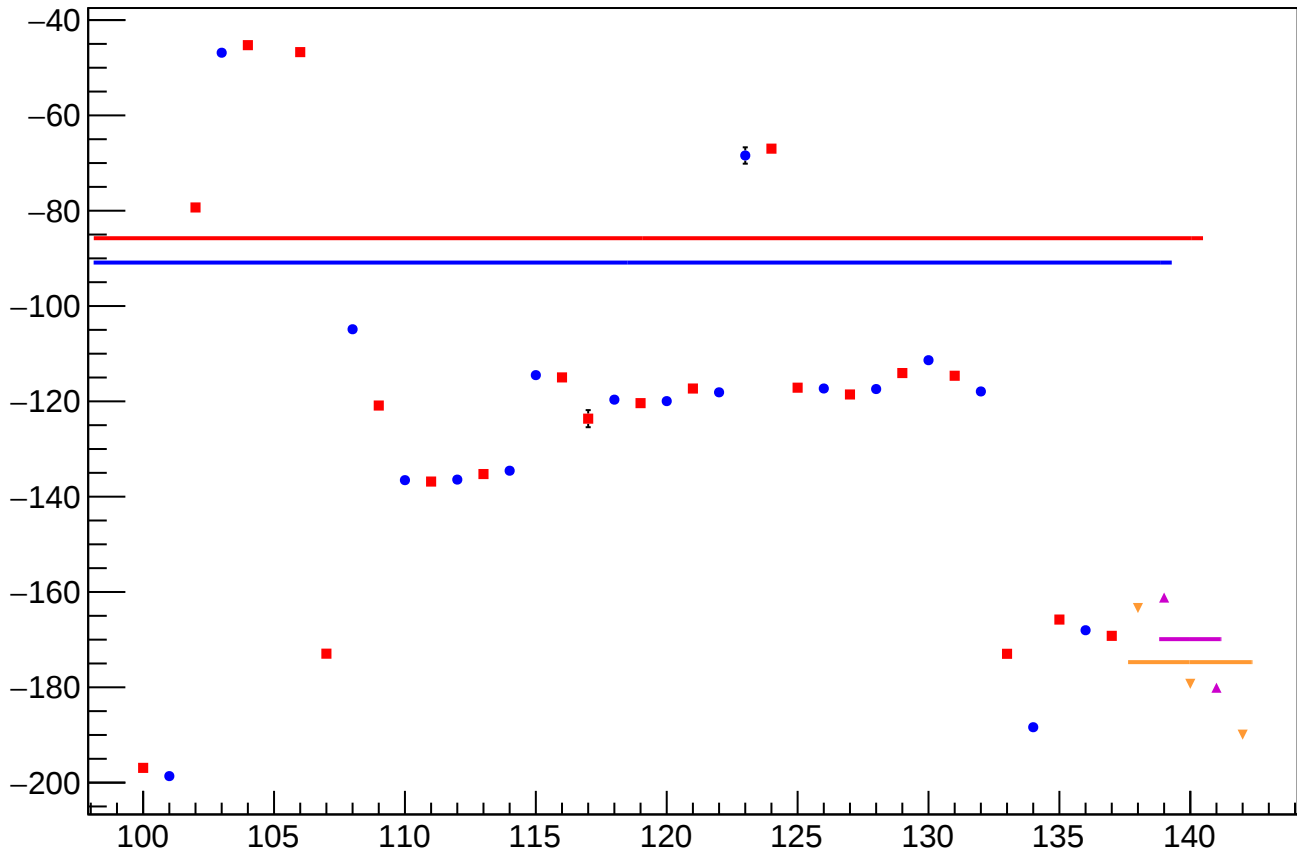
Right Out: 45.694 $\pm$ 1.356 χ^2 /NDF: 531.1/19

Left In: 72.825 $\pm$ 4.205 χ^2 /NDF: 4.7/1

60.251 $\pm$ 1.312 χ^2 /NDF: 748.0/19

48.249 $\pm$ 1.290 χ^2 /NDF: 573.6/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -174.718 ± 0.146 $\chi^2/\text{NDF}: 4880.4/2$

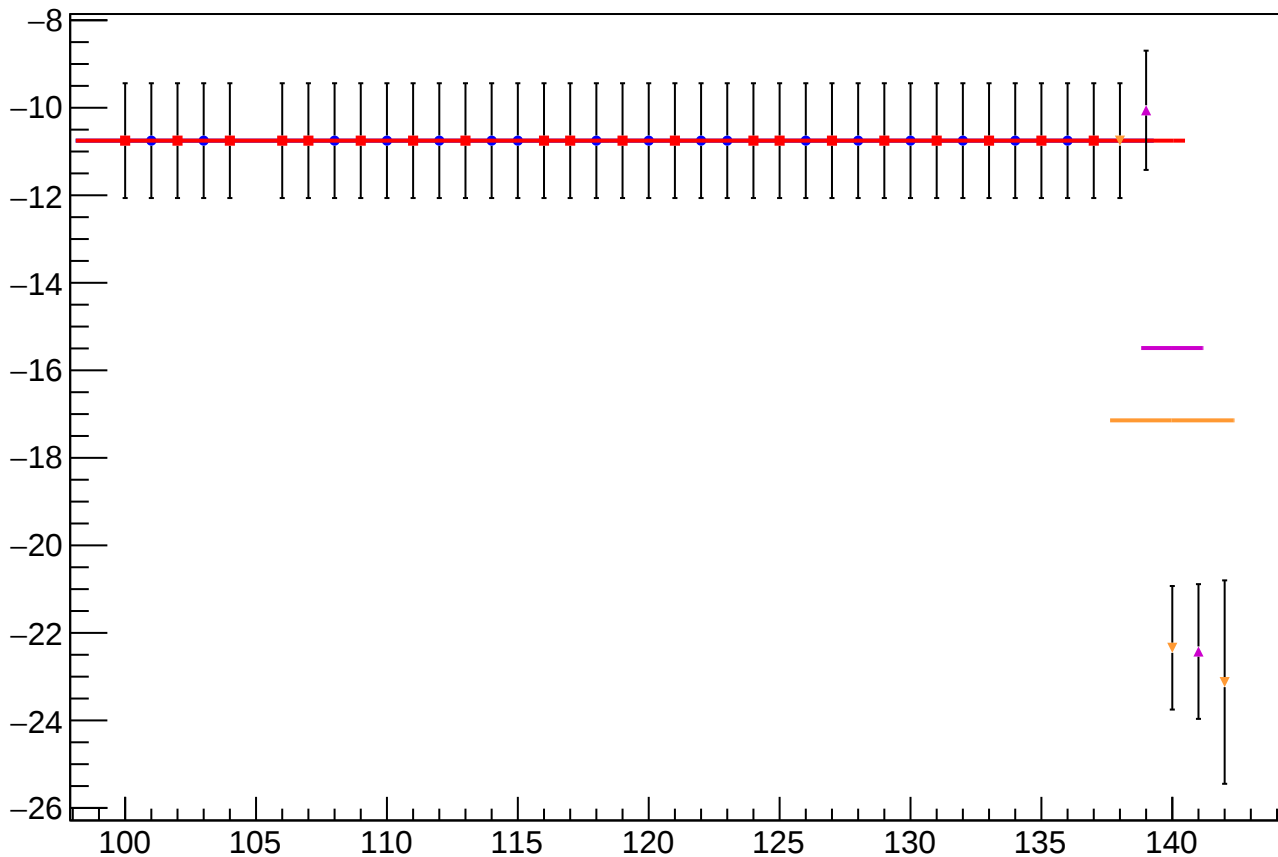
Right Out: -85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

Left In: -169.895 ± 0.159 $\chi^2/\text{NDF}: 3520.9/1$

-105.738 ± 0.061 $\chi^2/\text{NDF}: 809638.7/19$

-97.836 ± 0.060 $\chi^2/\text{NDF}: 738190.2/21$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -10.752 ± 0.318 χ^2/NDF : 0.0/16

Left Out: -17.143 ± 0.888 χ^2/NDF : 43.9/2

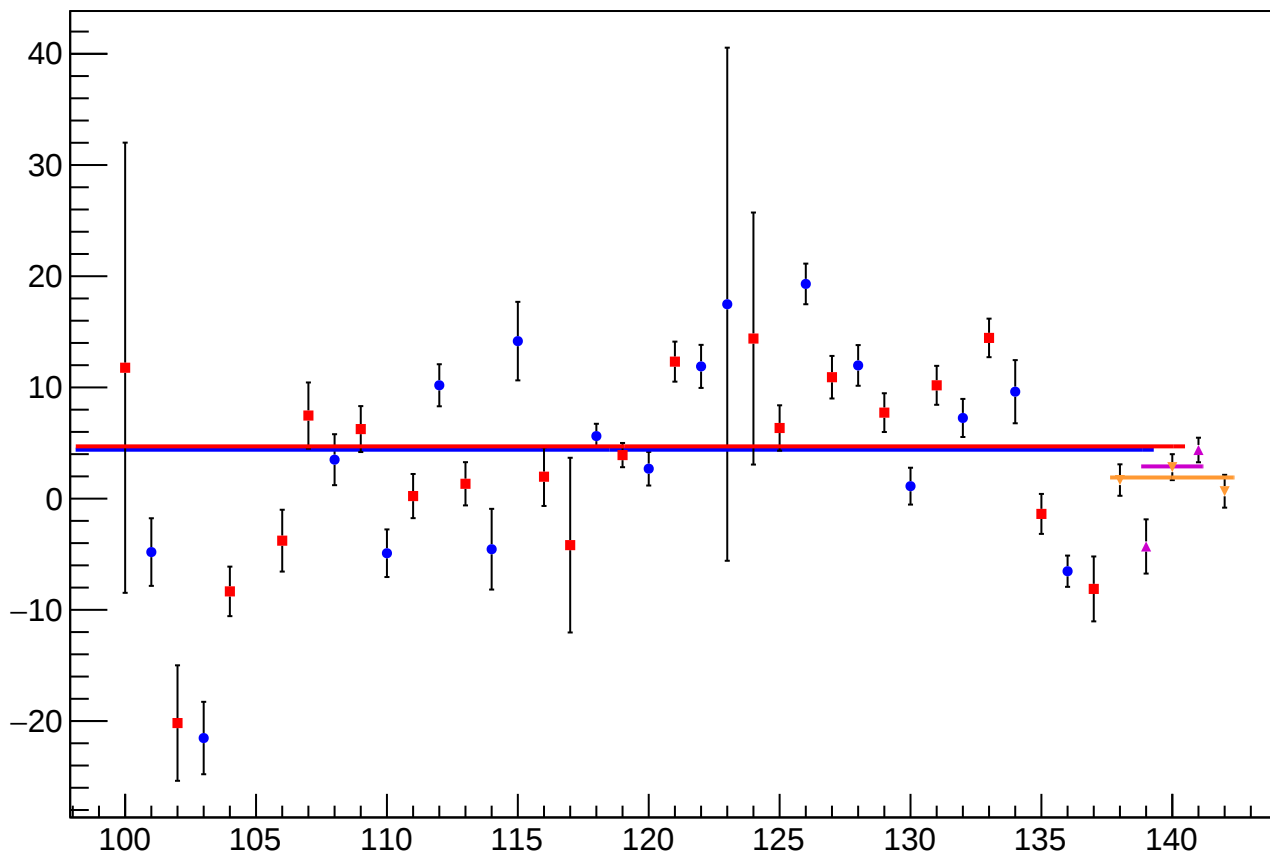
Right Out: -10.752 ± 0.293 χ^2/NDF : 0.0/19

Left In: -15.491 ± 1.020 χ^2/NDF : 36.2/1

-11.479 ± 0.299 χ^2/NDF : 89.8/19

-11.113 ± 0.282 χ^2/NDF : 56.1/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 $\pm$ 0.471 χ^2 /NDF: 286.8/16

3.717 $\pm$ 0.402 χ^2 /NDF: 295.9/19

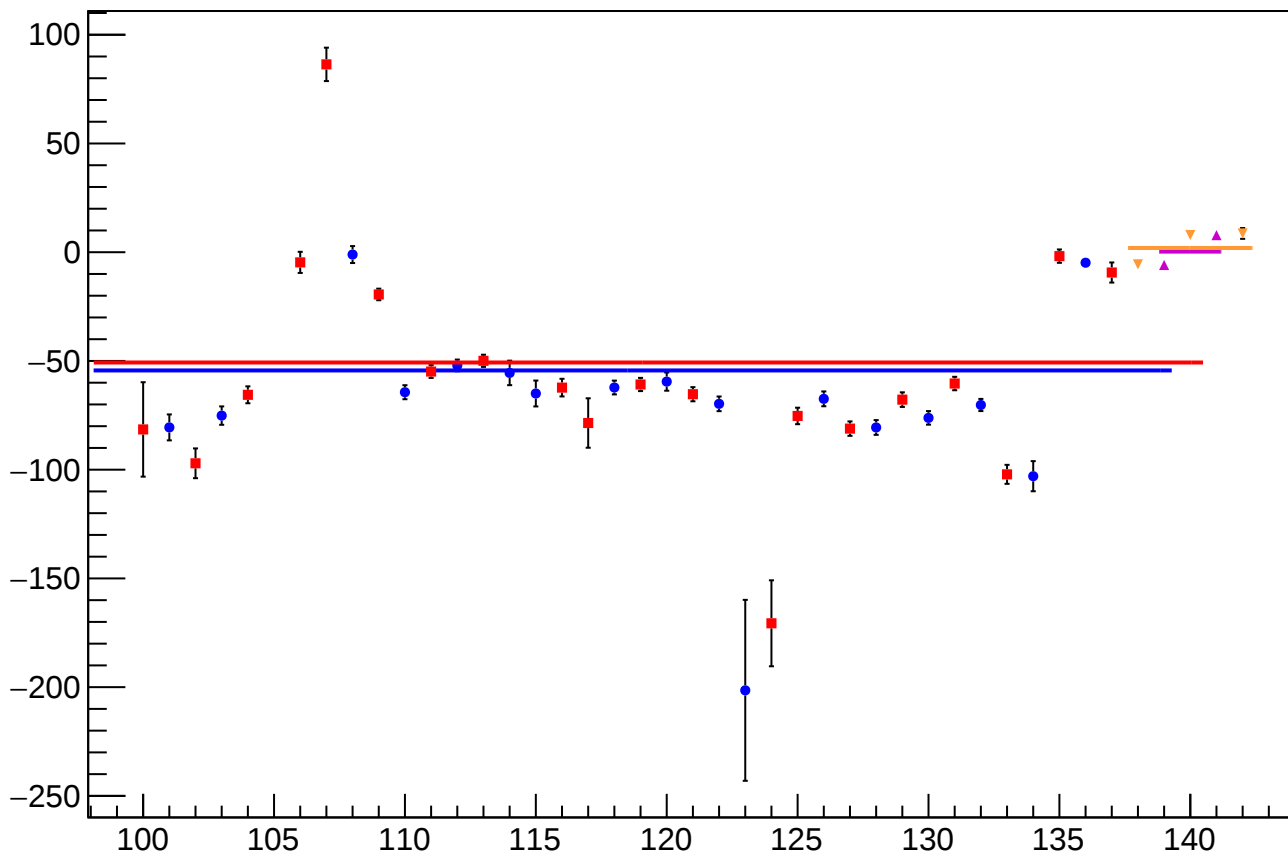
Left Out: 1.901 $\pm$ 0.769 χ^2 /NDF:1.4/2

Right Out: 4.700 $\pm$ 0.472 χ^2 /NDF: 184.2/19

4.374 $\pm$ 0.427 χ^2 /NDF: 197.3/21

Left In: 2.897 $\pm$ 1.006 χ^2 /NDF:10.5/1

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: 1.953 ± 0.954 $\chi^2/\text{NDF}: 50.9/2$

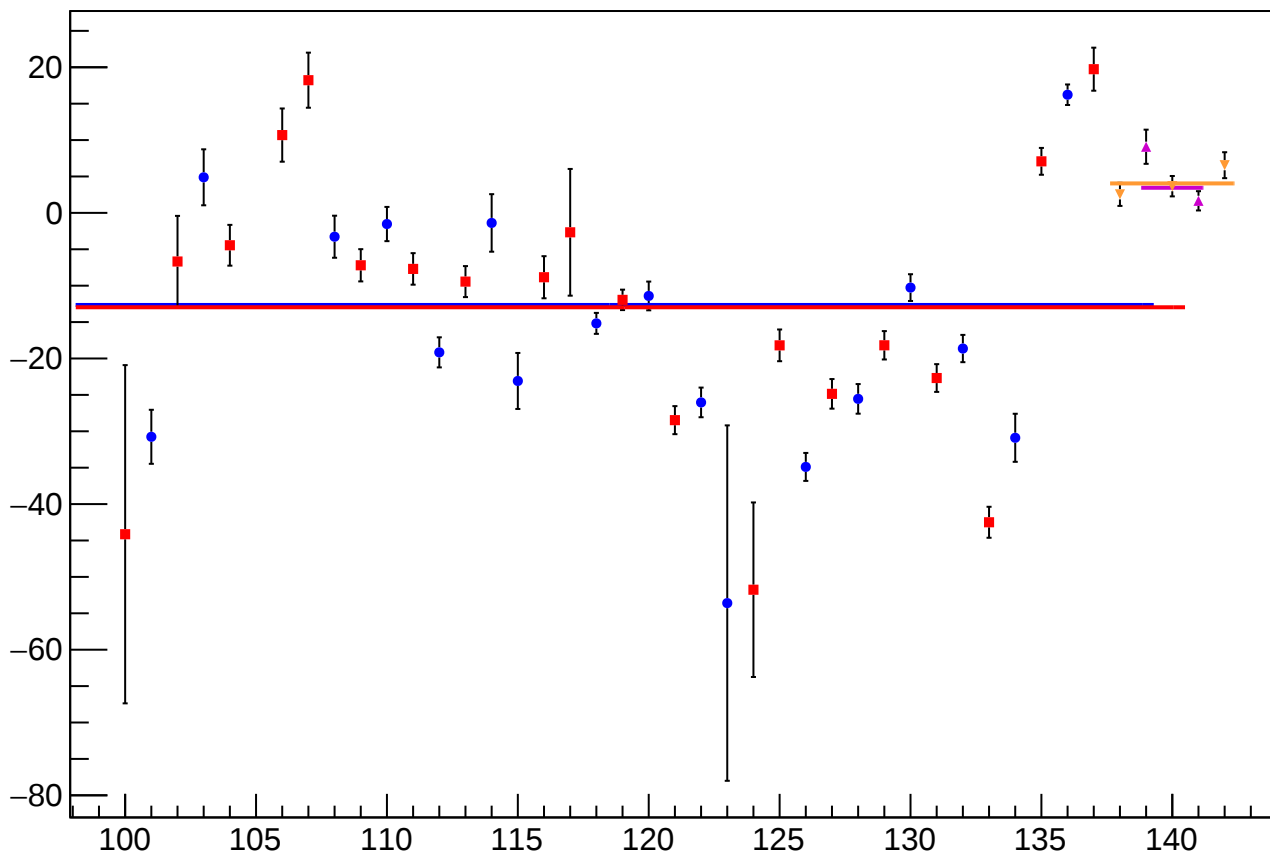
Right Out: -50.712 ± 0.855 $\chi^2/\text{NDF}: 1327.3/19$

Left In: 0.280 ± 1.096 $\chi^2/\text{NDF}: 38.7/1$

-28.865 ± 0.642 $\chi^2/\text{NDF}: 2969.5/19$

-31.428 ± 0.674 $\chi^2/\text{NDF}: 2710.9/21$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 4.046 ± 0.905 χ^2/NDF : 2.9/2

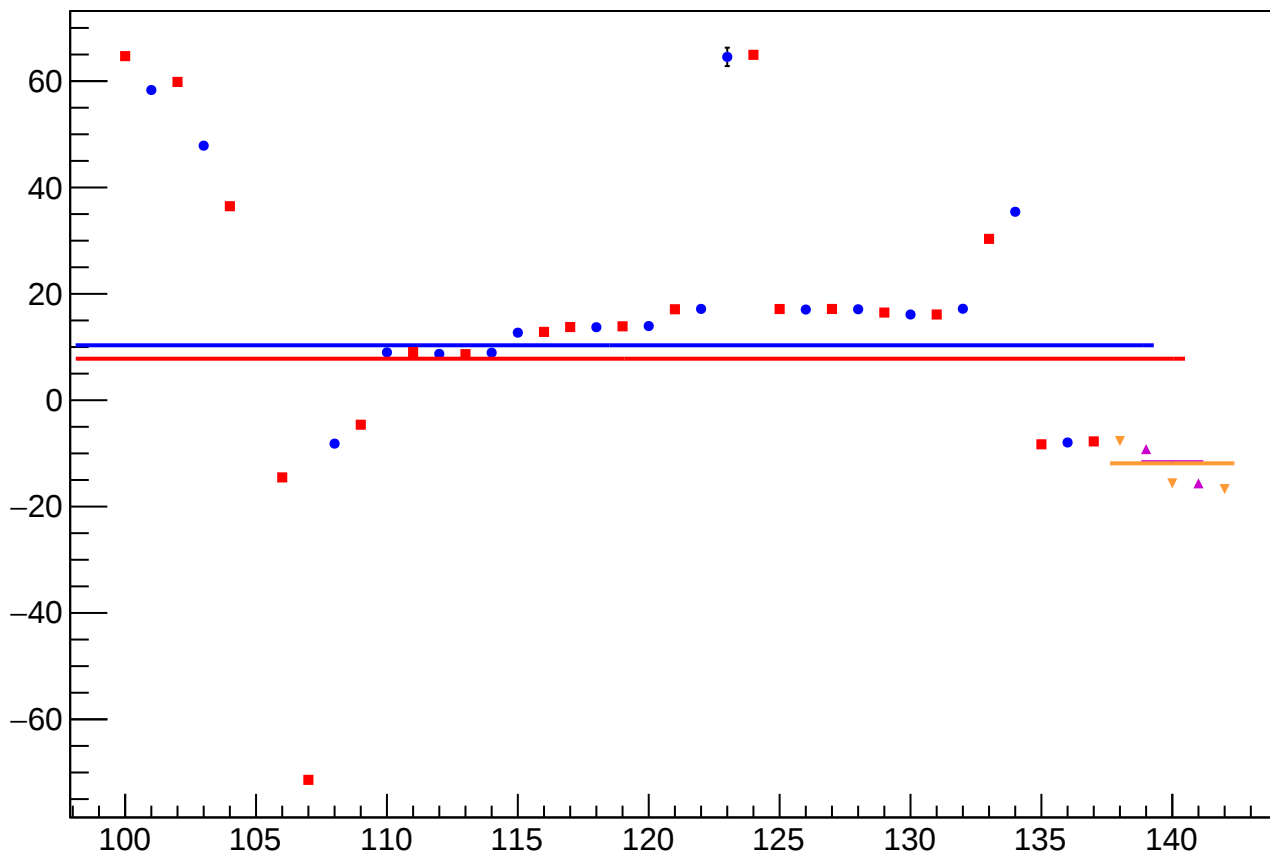
Right Out: -12.965 ± 0.536 χ^2/NDF : 722.8/19

Left In: 3.450 ± 1.153 χ^2/NDF : 7.6/1

-8.308 ± 0.461 χ^2/NDF : 1043.3/19

-10.045 ± 0.486 χ^2/NDF : 897.0/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -11.867+/-0.039 χ^2/NDF :11477.5/2

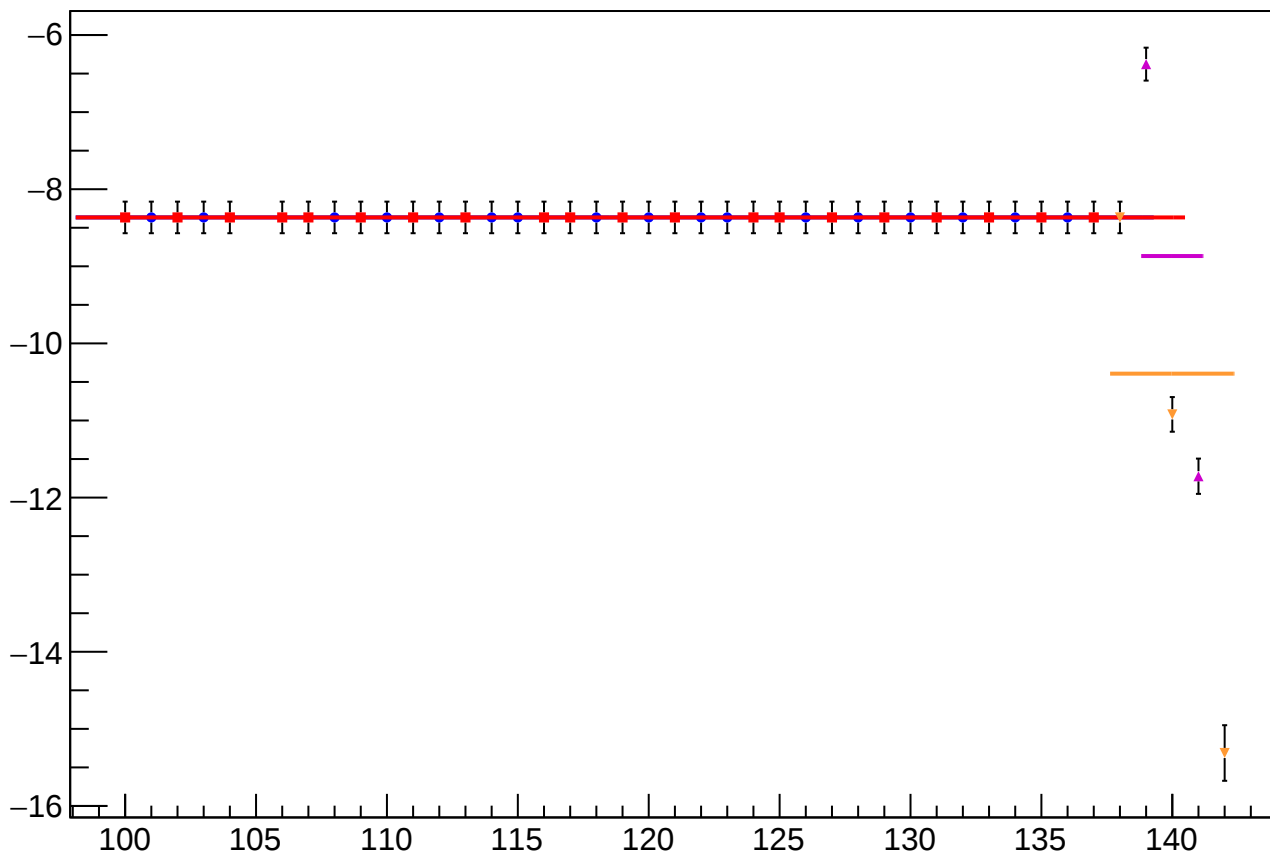
Right Out: 7.808+/-0.031 χ^2/NDF : 544249.7/19

Left In: -11.650+/-0.041 χ^2/NDF :5900.0/1

1.797+/-0.024 χ^2/NDF : 593627.9/19

0.596+/-0.025 χ^2/NDF : 693842.2/21

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -8.366+/-0.050 χ^2/NDF : 0.0/16

Left Out: -10.393+/-0.140 χ^2/NDF : 289.6/2

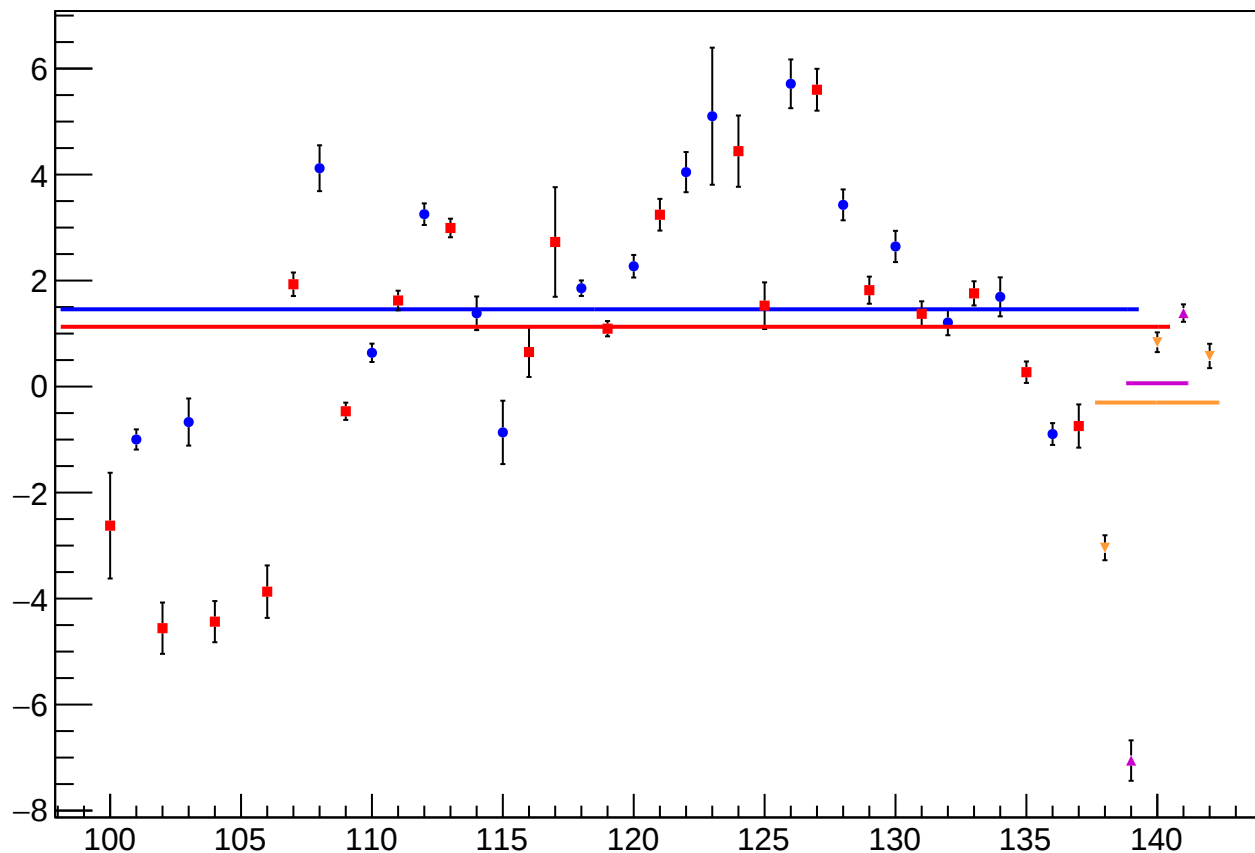
Right Out: -8.366+/-0.046 χ^2/NDF : 0.0/19

Left In: -8.867+/-0.156 χ^2/NDF : 291.7/1

-8.594+/-0.047 χ^2/NDF : 476.6/19

-8.406+/-0.044 χ^2/NDF : 301.2/21

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 $\pm$ 0.062 χ^2/NDF : 698.2/16

Left Out: -0.301 $\pm$ 0.123 χ^2/NDF : 187.4/2

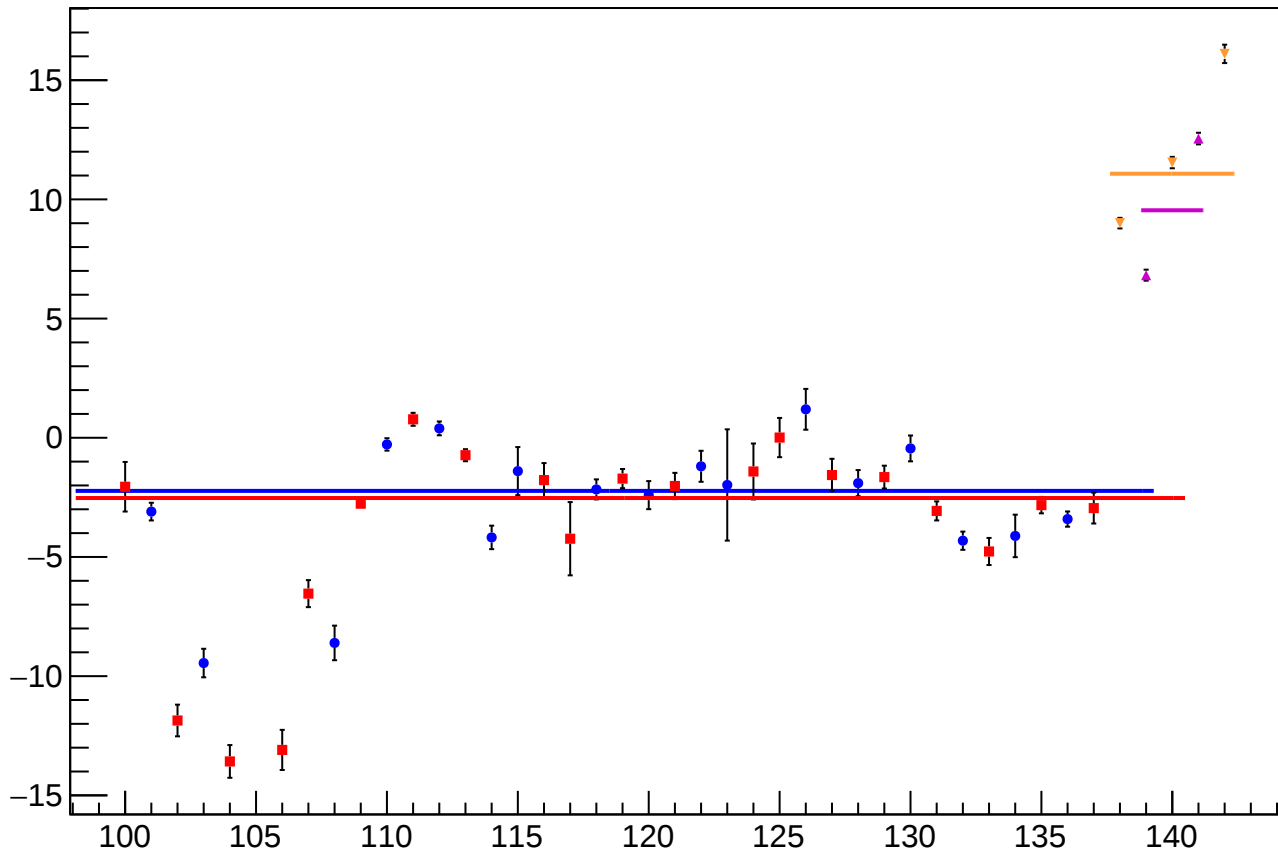
Right Out: 1.128 $\pm$ 0.058 χ^2/NDF : 949.8/19

Left In: 0.063 $\pm$ 0.151 χ^2/NDF : 413.0/1

1.103 $\pm$ 0.055 χ^2/NDF : 1048.2/19

0.991 $\pm$ 0.054 χ^2/NDF : 1406.1/21

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 11.077 ± 0.150 χ^2/NDF : 260.4/2

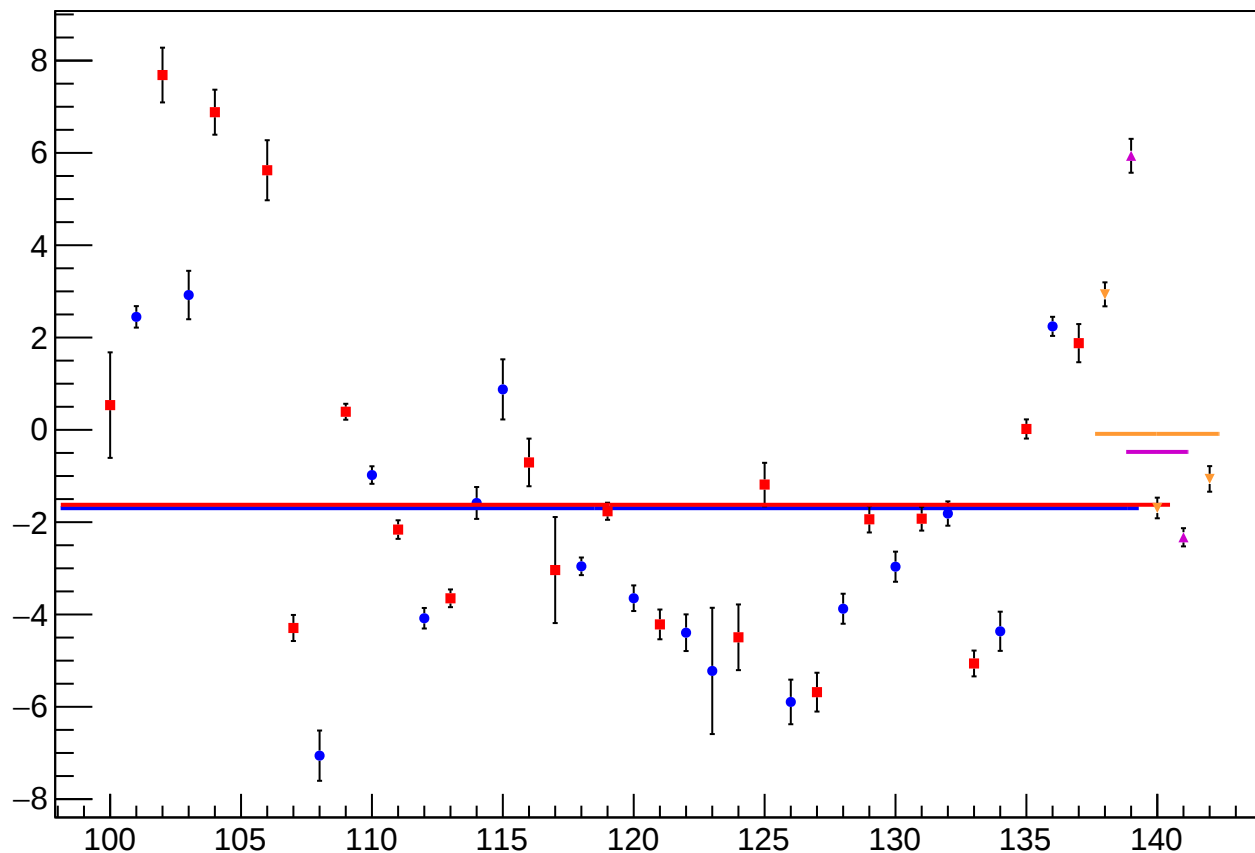
Right Out: -2.527 ± 0.099 χ^2/NDF : 905.2/19

Left In: 9.543 ± 0.168 χ^2/NDF : 291.3/1

2.488 ± 0.089 χ^2/NDF : 5789.0/19

0.582 ± 0.085 χ^2/NDF : 5043.2/21

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 $\pm$ 0.071 χ^2 /NDF: 1319.4/16

Left Out: -0.087 $\pm$ 0.145 χ^2 /NDF:199.3/2

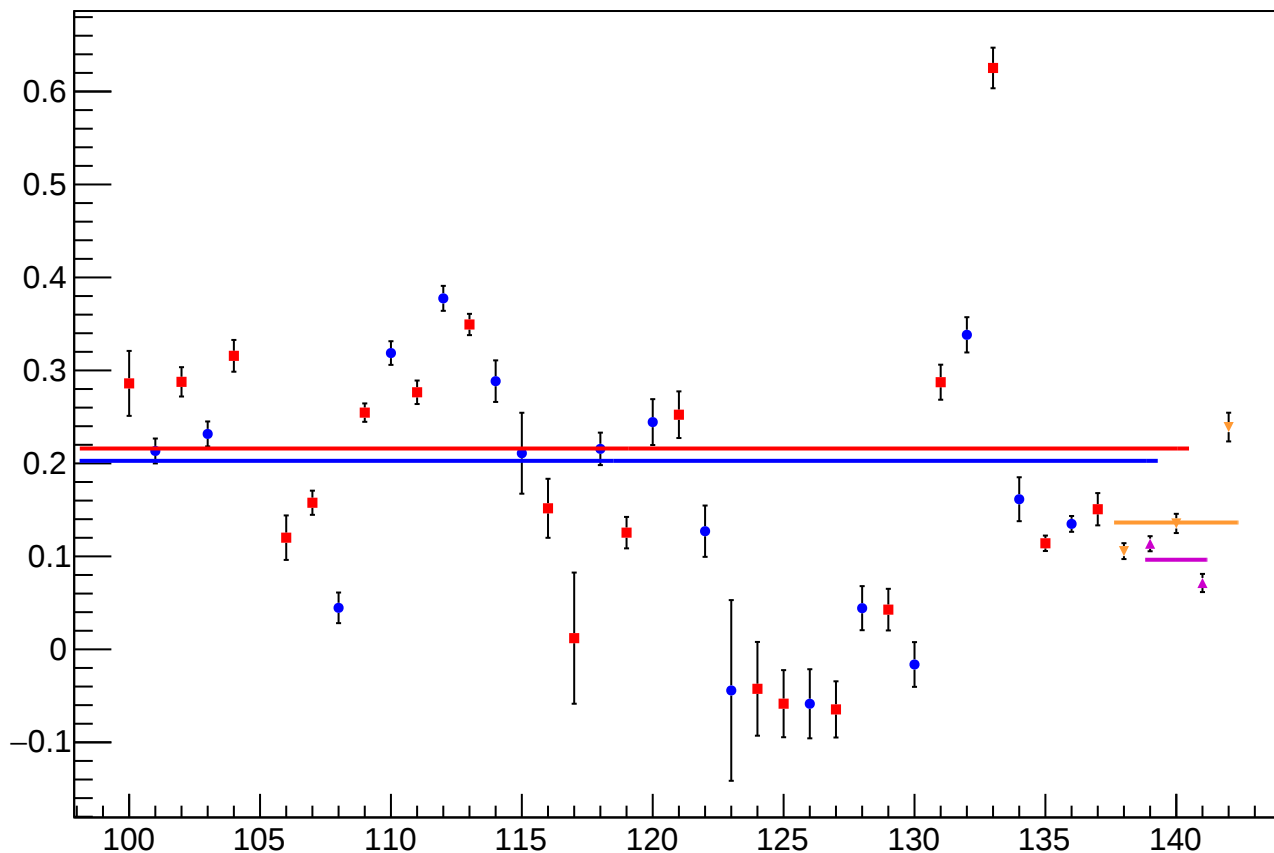
Right Out: -1.623 $\pm$ 0.066 χ^2 /NDF: 1490.8/19

Left In: -0.478 $\pm$ 0.174 χ^2 /NDF:393.1/1

-1.384 $\pm$ 0.064 χ^2 /NDF: 1618.6/19

-1.480 $\pm$ 0.061 χ^2 /NDF: 1921.9/21

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 $\pm$ 0.004 χ^2/NDF : 676.5/16

Left Out: 0.136 $\pm$ 0.006 χ^2/NDF : 57.2/2

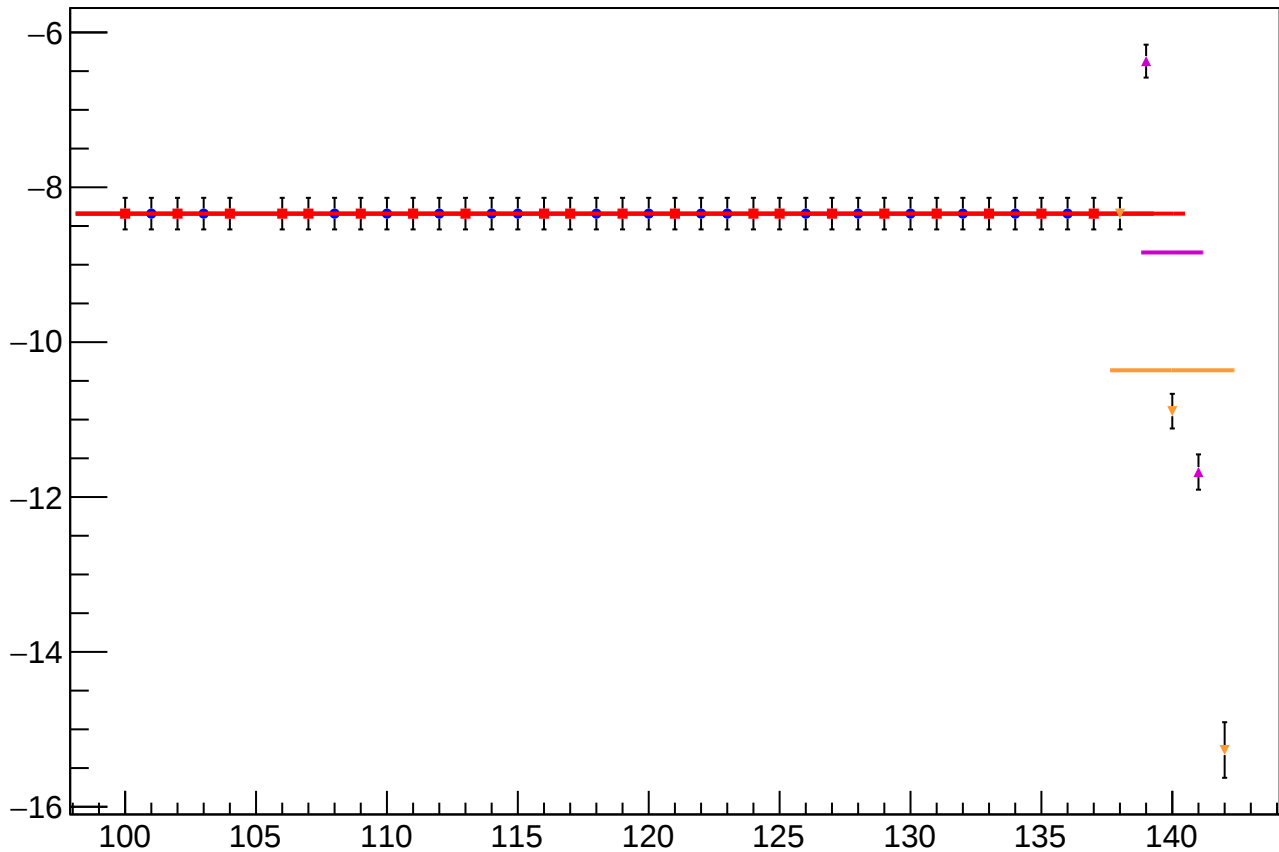
Right Out: 0.216 $\pm$ 0.004 χ^2/NDF : 1072.8/19

Left In: 0.096 $\pm$ 0.006 χ^2/NDF : 11.1/1

0.182 $\pm$ 0.003 χ^2/NDF : 815.3/19

0.185 $\pm$ 0.003 χ^2/NDF : 1355.9/21

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -8.340 ± 0.049 χ^2/NDF : 0.0/16

Left Out: -10.363 ± 0.139 χ^2/NDF : 290.7/2

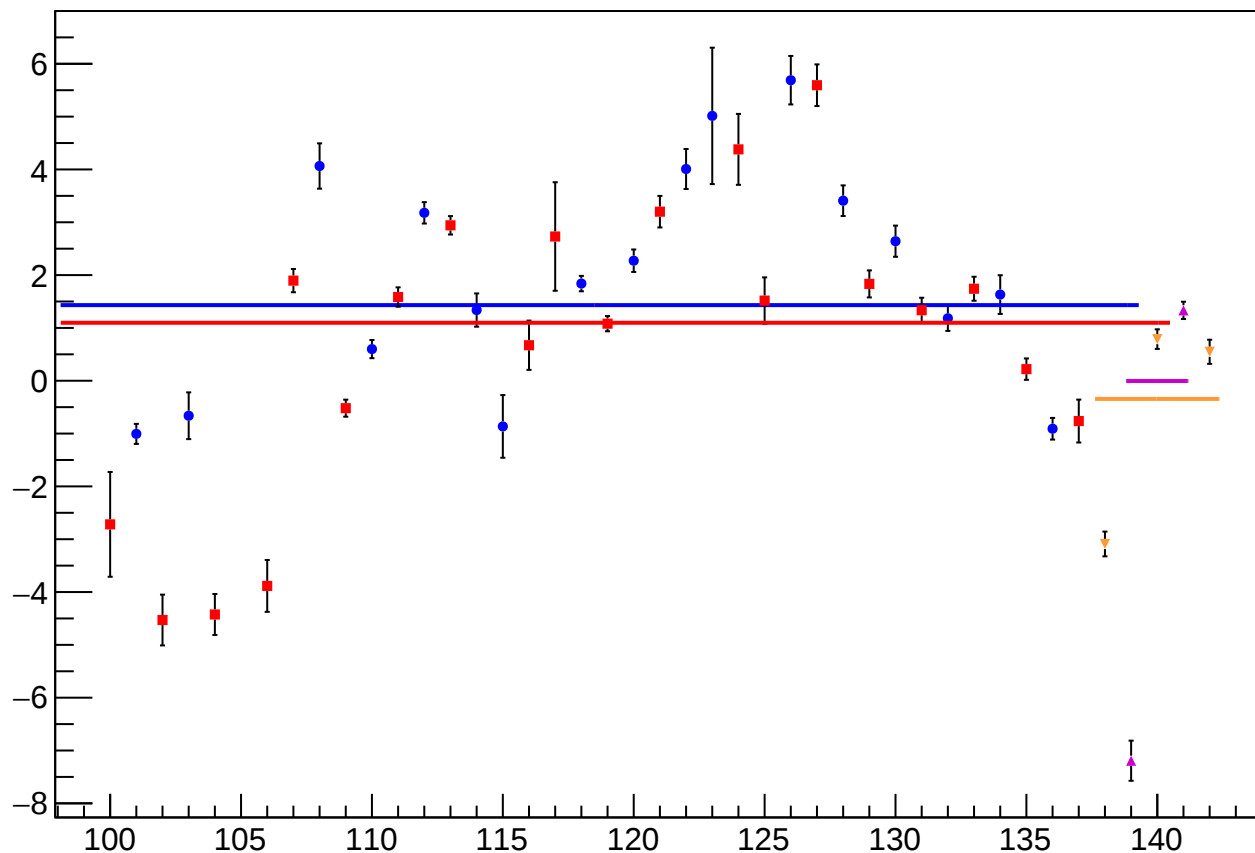
Right Out: -8.340 ± 0.046 χ^2/NDF : 0.0/19

Left In: -8.842 ± 0.155 χ^2/NDF : 290.0/1

-8.568 ± 0.047 χ^2/NDF : 478.7/19

-8.380 ± 0.044 χ^2/NDF : 299.6/21

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 $\pm$ 0.062 χ^2 /NDF: 696.6/16

Left Out: -0.344 $\pm$ 0.123 χ^2 /NDF:189.7/2

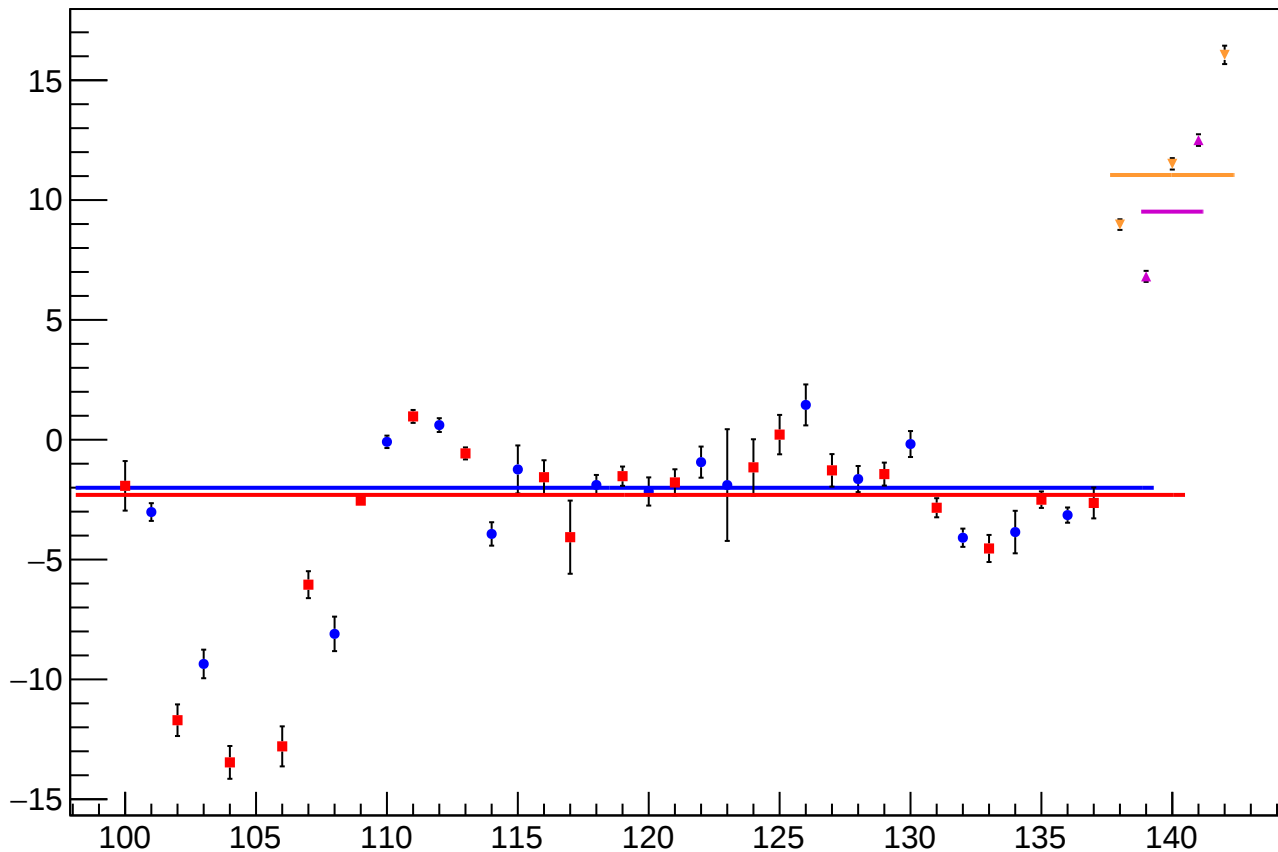
Right Out: 1.098 $\pm$ 0.058 χ^2 /NDF: 955.7/19

Left In: -0.005 $\pm$ 0.150 χ^2 /NDF:424.7/1

1.074 $\pm$ 0.055 χ^2 /NDF: 1053.5/19

0.956 $\pm$ 0.054 χ^2 /NDF: 1427.2/21

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 11.046 ± 0.149 χ^2/NDF : 261.5/2

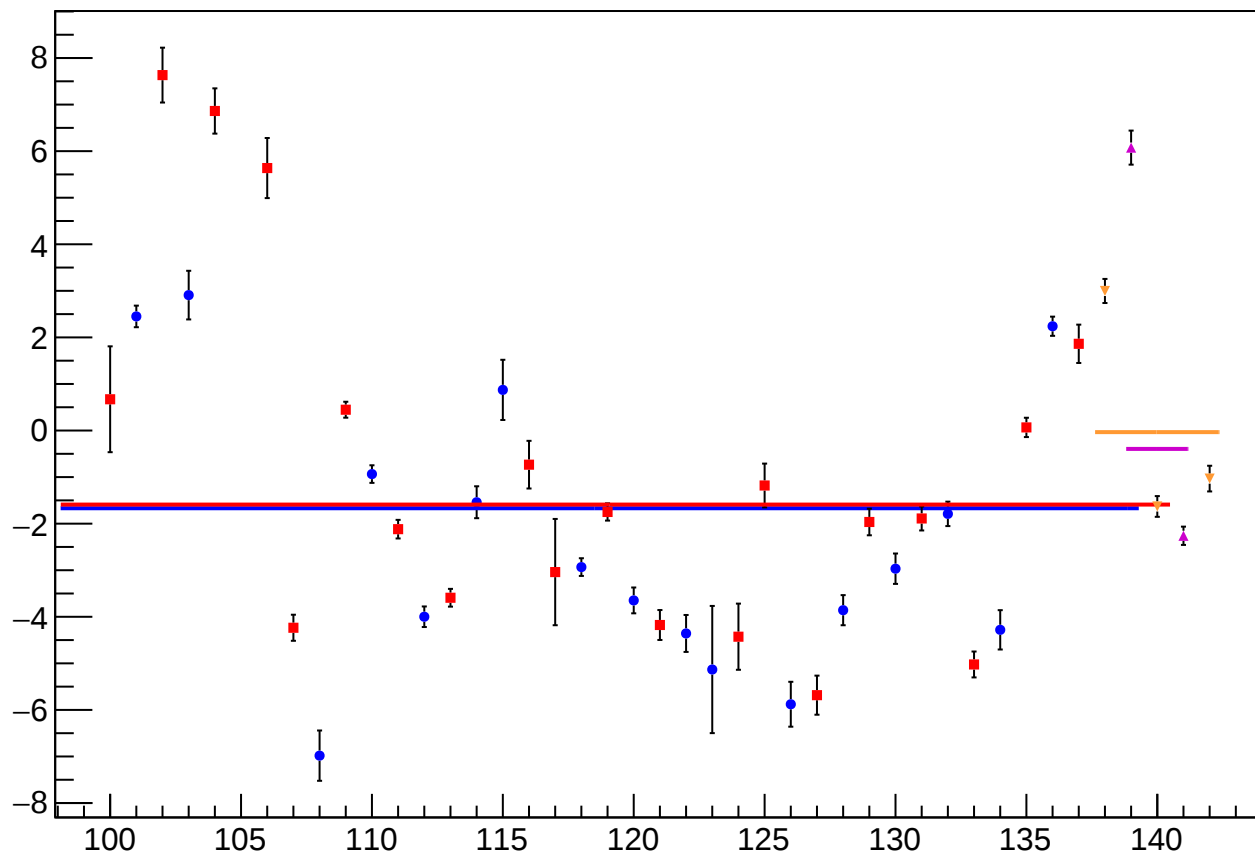
Right Out: -2.302 ± 0.098 χ^2/NDF : 908.6/19

Left In: 9.517 ± 0.167 χ^2/NDF : 289.3/1

2.618 ± 0.089 χ^2/NDF : 5646.6/19

0.738 ± 0.085 χ^2/NDF : 4920.0/21

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669+/-0.071 χ^2/NDF : 1314.9/16

Left Out: -0.034+/-0.144 χ^2/NDF : 201.9/2

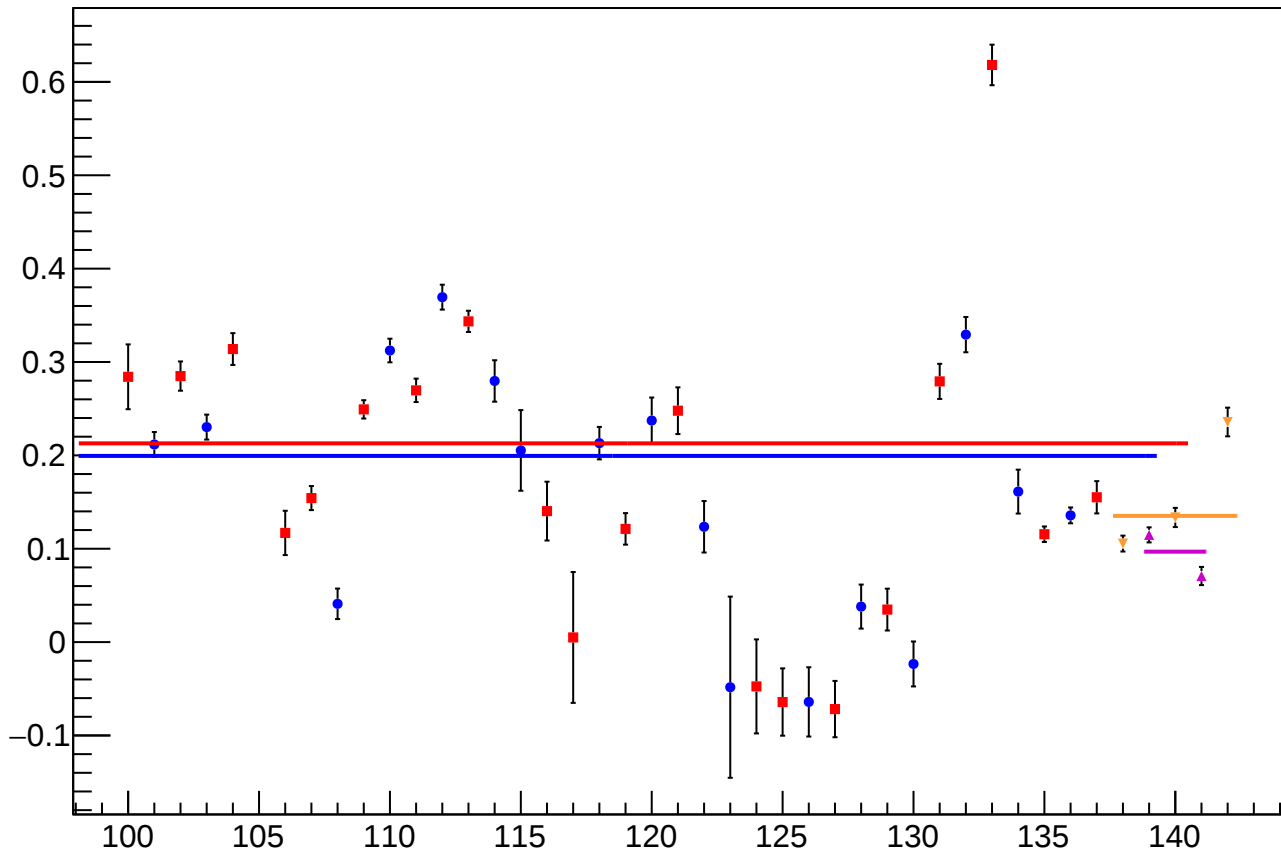
Right Out: -1.590+/-0.065 χ^2/NDF : 1496.3/19

Left In: -0.395+/-0.173 χ^2/NDF : 403.4/1

-1.351+/-0.064 χ^2/NDF : 1620.7/19

-1.441+/-0.061 χ^2/NDF : 1941.6/21

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 $\pm$ 0.004 χ^2/NDF : 662.1/16

Left Out: 0.135 $\pm$ 0.006 χ^2/NDF : 55.0/2

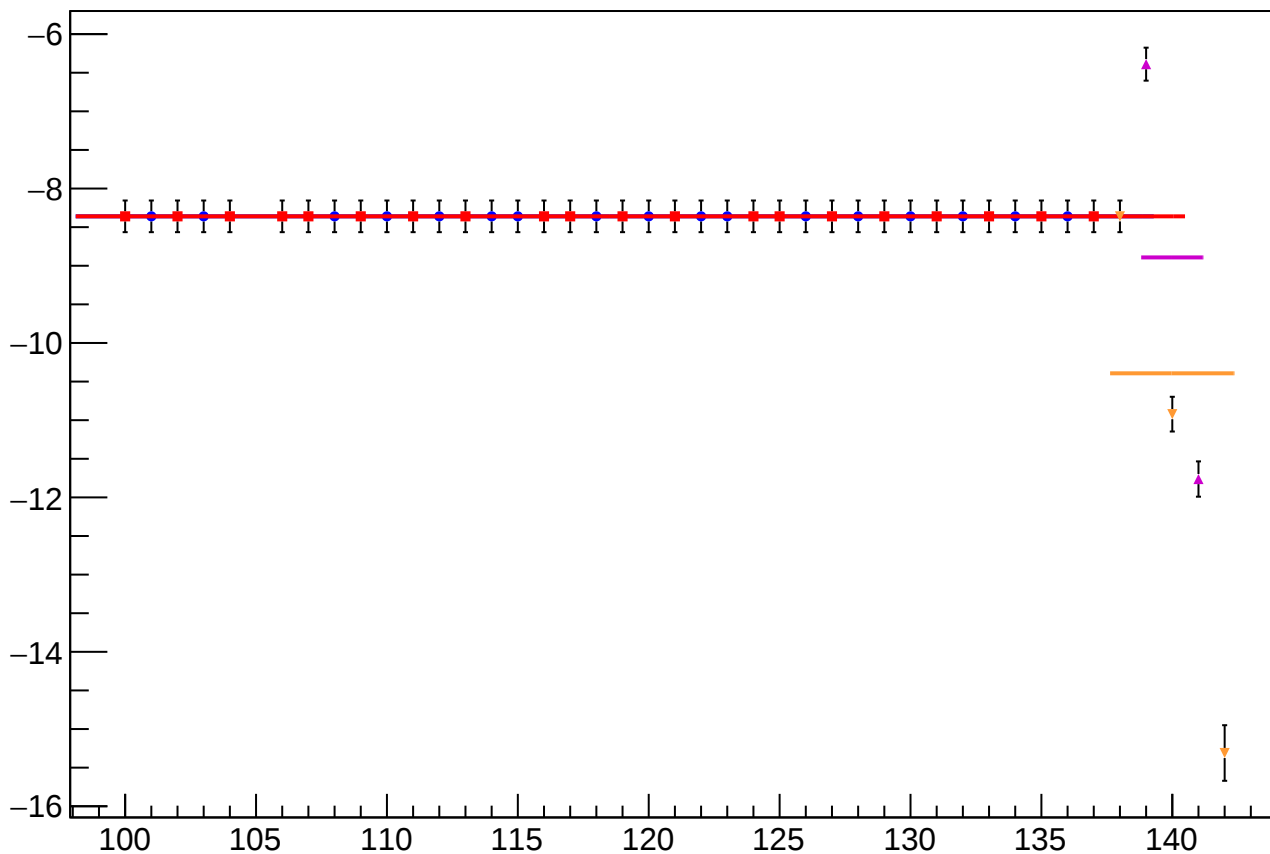
Right Out: 0.213 $\pm$ 0.004 χ^2/NDF : 1057.0/19

Left In: 0.097 $\pm$ 0.006 χ^2/NDF : 12.1/1

0.179 $\pm$ 0.003 χ^2/NDF : 794.3/19

0.183 $\pm$ 0.003 χ^2/NDF : 1327.2/21

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -8.360 $\pm$ 0.050 χ^2/NDF : 0.0/16

Left Out: -10.393 $\pm$ 0.140 χ^2/NDF : 290.5/2

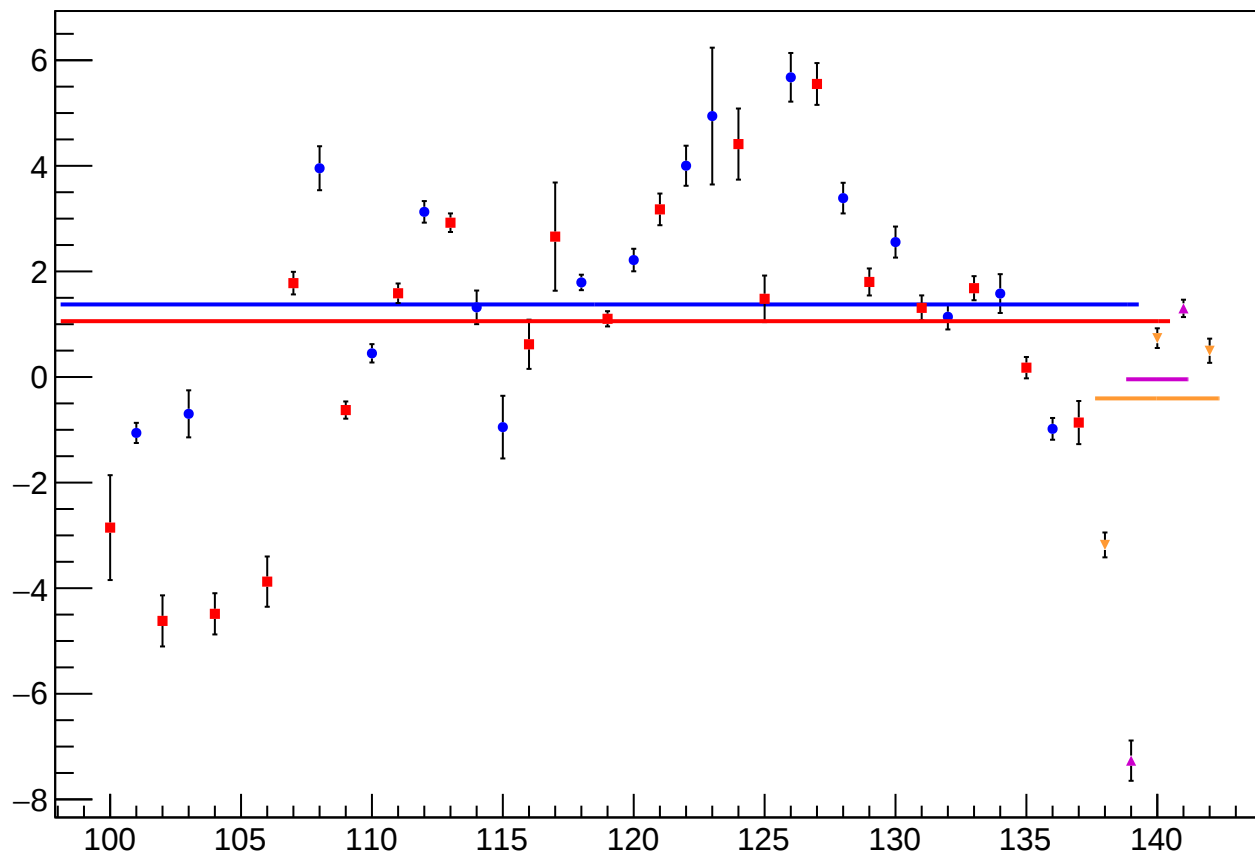
Right Out: -8.360 $\pm$ 0.046 χ^2/NDF : 0.0/19

Left In: -8.892 $\pm$ 0.156 χ^2/NDF : 294.9/1

-8.589 $\pm$ 0.047 χ^2/NDF : 478.6/19

-8.402 $\pm$ 0.044 χ^2/NDF : 305.6/21

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: -0.405 ± 0.123 χ^2/NDF : 191.8/2

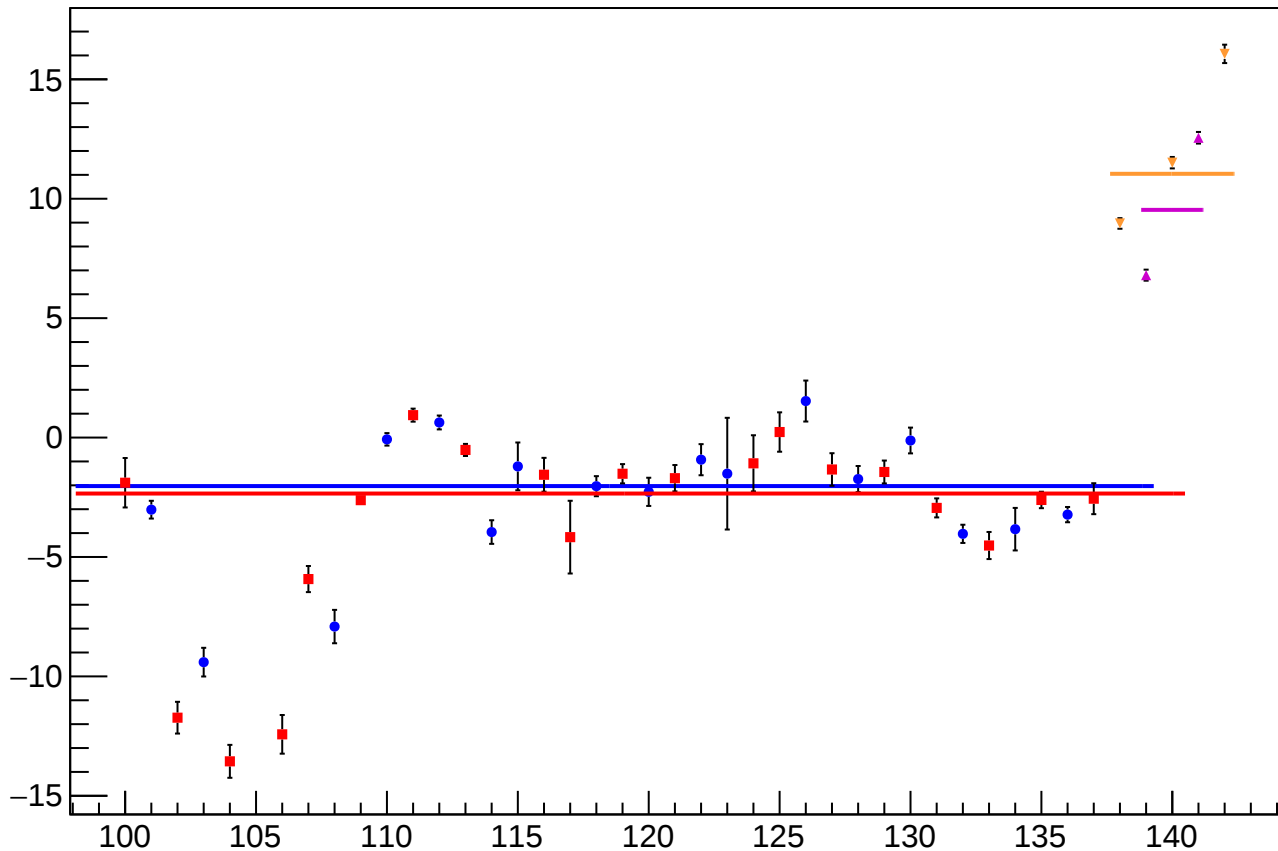
Right Out: 1.058 ± 0.058 χ^2/NDF : 966.5/19

Left In: -0.043 ± 0.151 χ^2/NDF : 425.2/1

1.016 ± 0.055 χ^2/NDF : 1060.7/19

0.917 ± 0.054 χ^2/NDF : 1437.9/21

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 11.044 ± 0.150 χ^2/NDF : 260.9/2

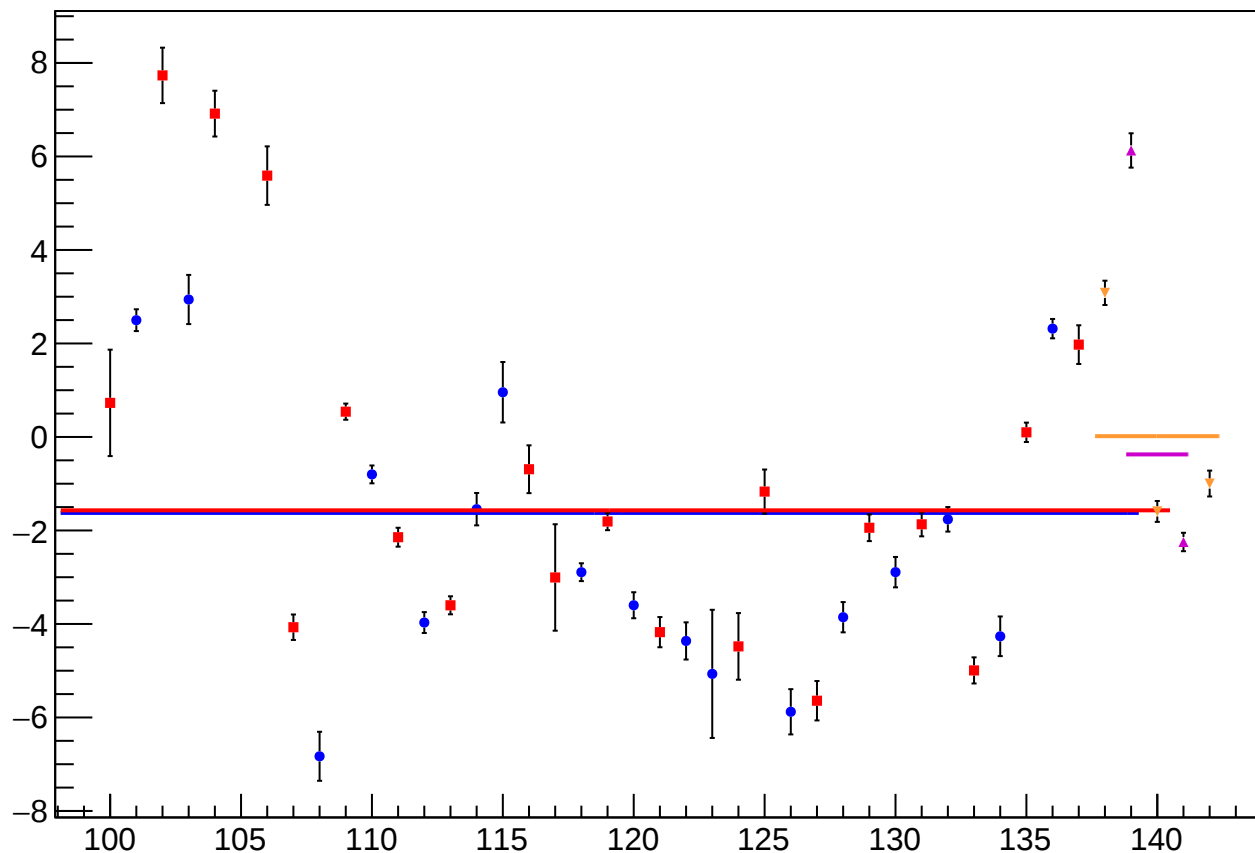
Right Out: -2.344 ± 0.099 χ^2/NDF : 903.4/19

Left In: 9.534 ± 0.168 χ^2/NDF : 293.7/1

2.604 ± 0.089 χ^2/NDF : 5615.7/19

0.714 ± 0.085 χ^2/NDF : 4923.5/21

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: 0.017 ± 0.145 χ^2/NDF : 204.3/2

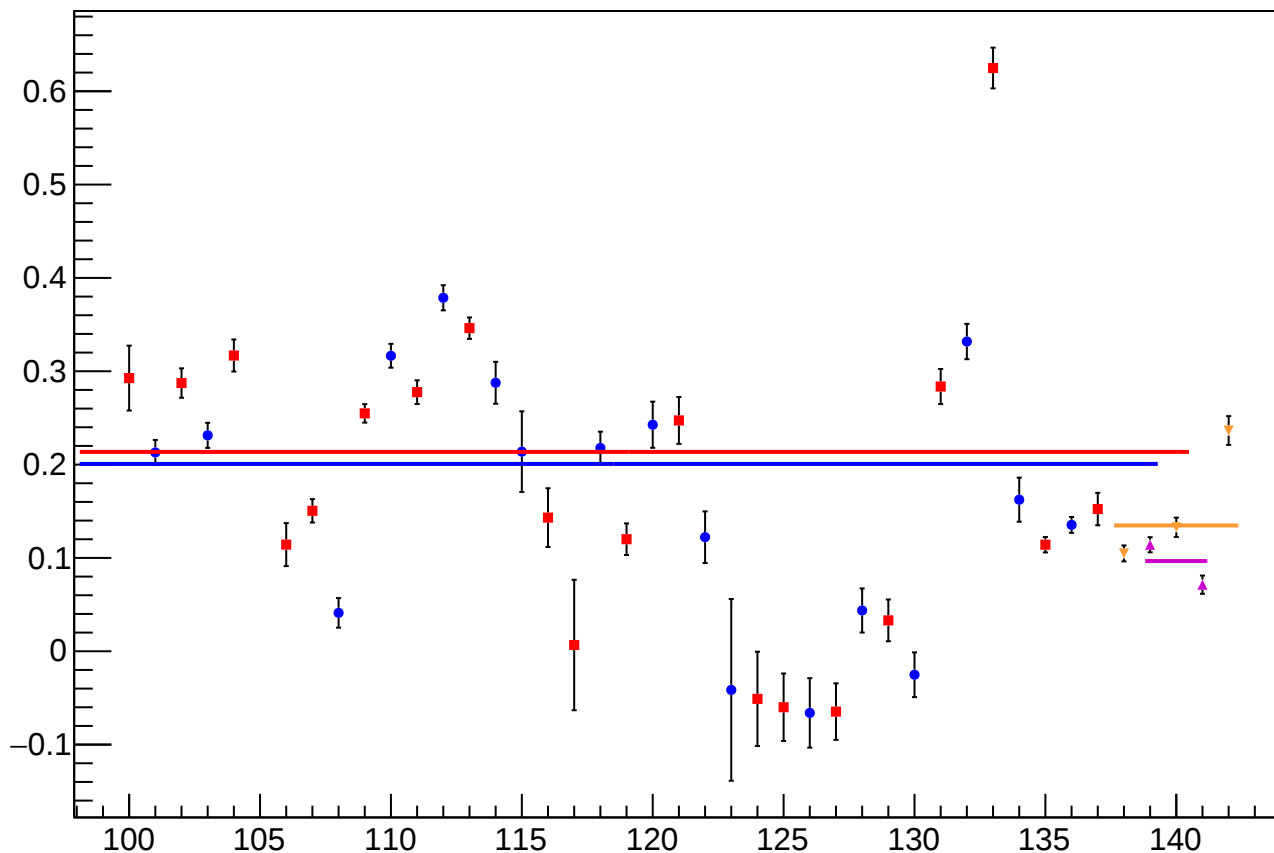
Right Out: -1.570 ± 0.065 χ^2/NDF : 1507.4/19

Left In: -0.373 ± 0.174 χ^2/NDF : 403.8/1

-1.305 ± 0.064 χ^2/NDF : 1628.8/19

-1.421 ± 0.061 χ^2/NDF : 1952.7/21

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16

Left Out: 0.135 $\pm$ 0.006 χ^2 /NDF:55.8/2

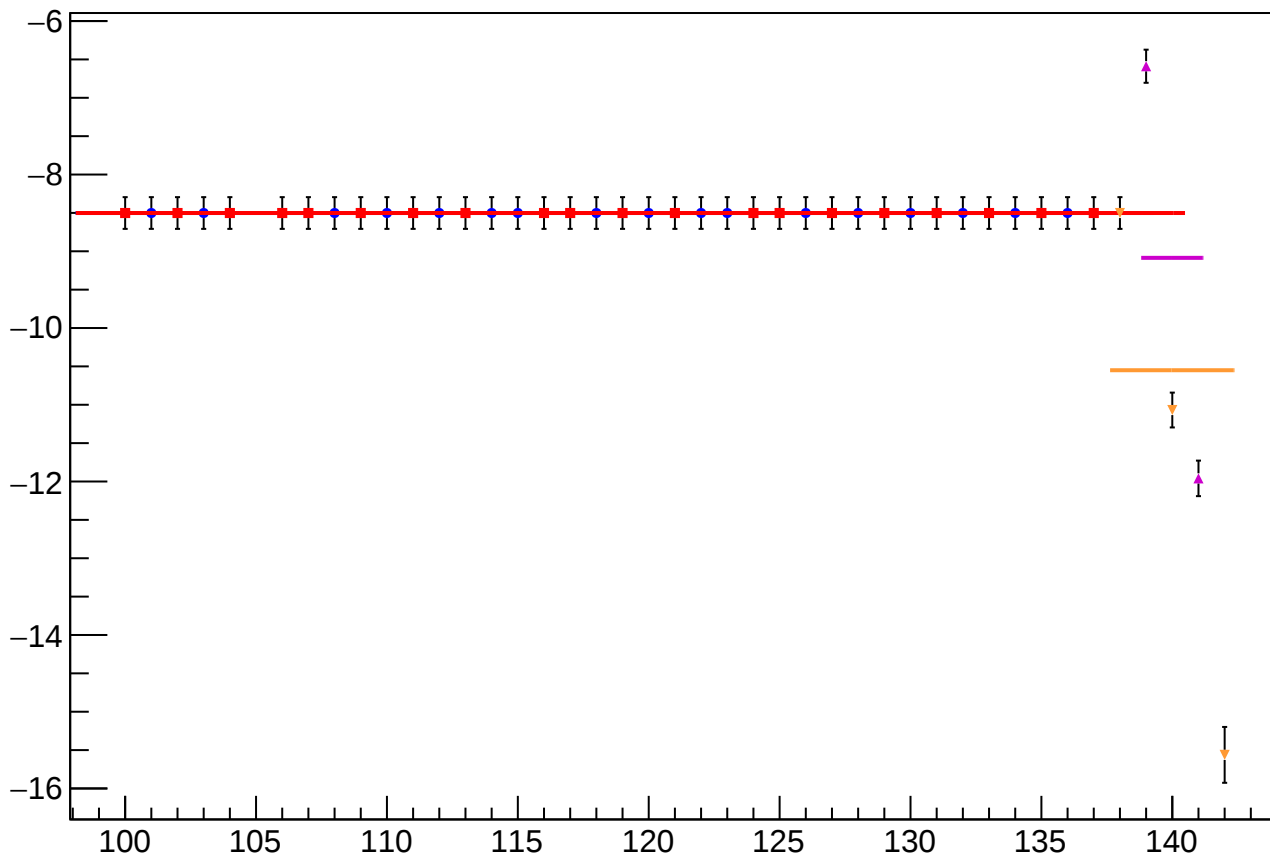
Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1089.2/19

Left In: 0.097 $\pm$ 0.006 χ^2 /NDF:11.3/1

0.180 $\pm$ 0.003 χ^2 /NDF: 827.1/19

0.183 $\pm$ 0.003 χ^2 /NDF: 1361.0/21

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -8.501 $\pm$ 0.050 χ^2 /NDF: 0.0/16

Left Out: -10.550 $\pm$ 0.141 χ^2 /NDF: 293.1/2

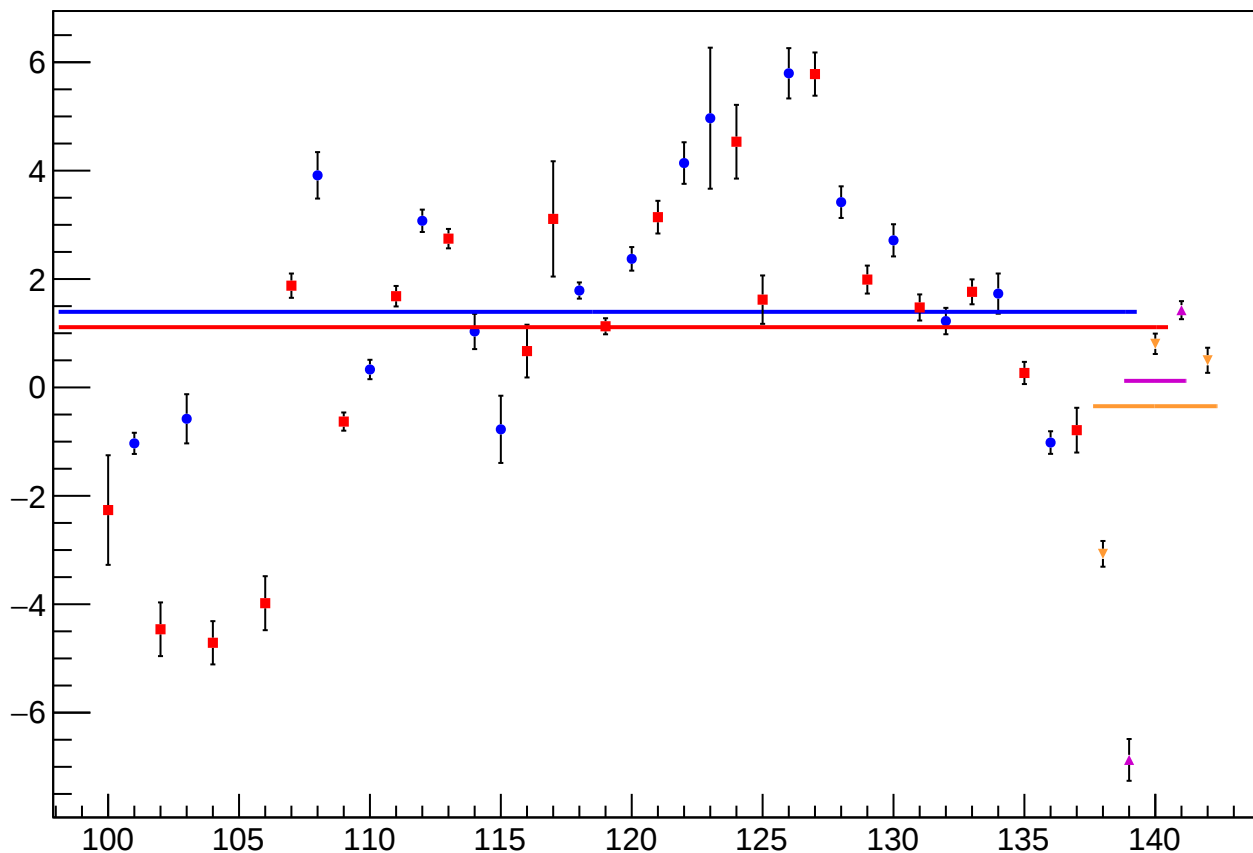
Right Out: -8.501 $\pm$ 0.046 χ^2 /NDF: 0.0/19

Left In: -9.086 $\pm$ 0.158 χ^2 /NDF: 287.9/1

-8.732 $\pm$ 0.047 χ^2 /NDF: 480.7/19

-8.547 $\pm$ 0.044 χ^2 /NDF: 300.5/21

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 $\pm$ 0.063 χ^2 /NDF: 701.4/16

Left Out: -0.346 $\pm$ 0.124 χ^2 /NDF:182.4/2

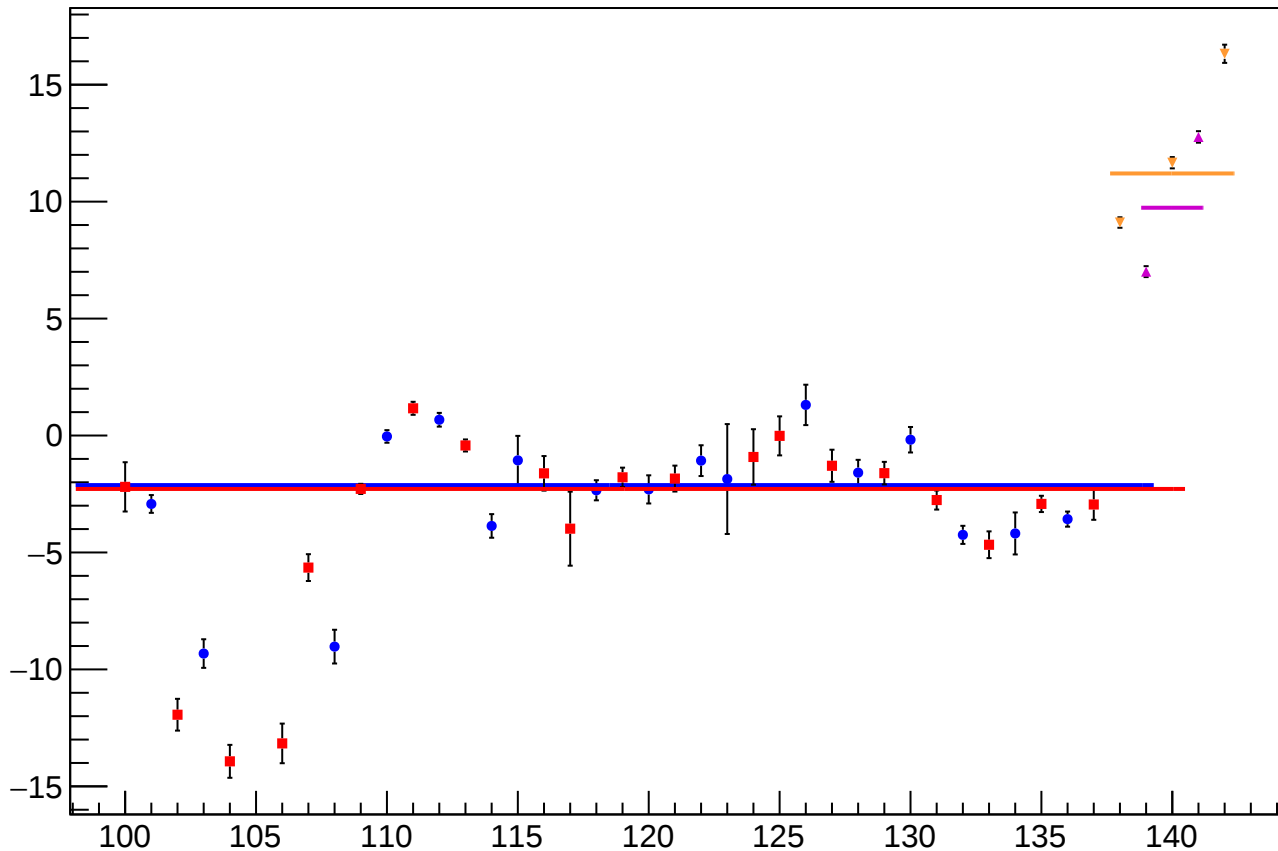
Right Out: 1.112 $\pm$ 0.059 χ^2 /NDF: 940.5/19

Left In: 0.121 $\pm$ 0.153 χ^2 /NDF:390.4/1

1.039 $\pm$ 0.056 χ^2 /NDF: 1039.6/19

0.983 $\pm$ 0.055 χ^2 /NDF: 1367.4/21

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 11.205 ± 0.152 χ^2/NDF : 263.6/2

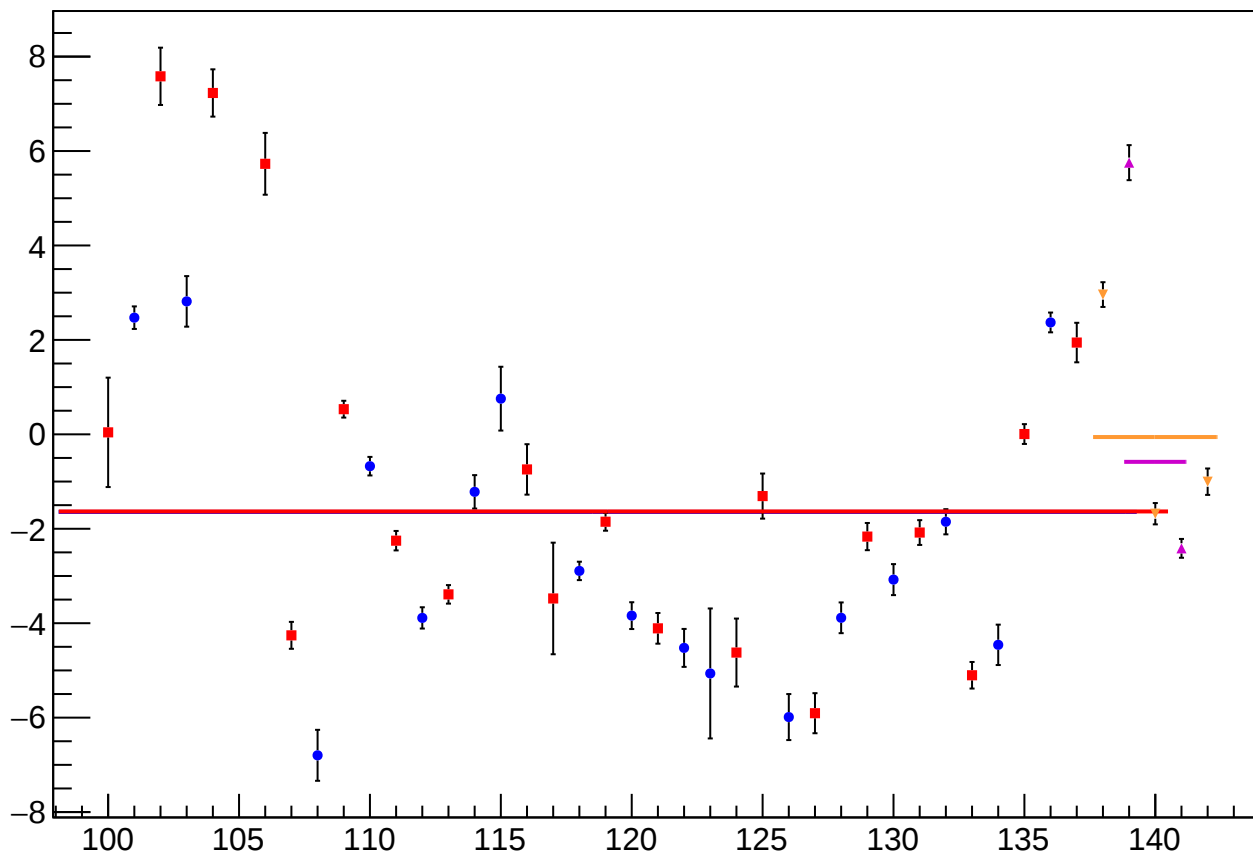
Right Out: -2.284 ± 0.101 χ^2/NDF : 920.6/19

Left In: 9.739 ± 0.170 χ^2/NDF : 287.6/1

2.656 ± 0.091 χ^2/NDF : 5706.5/19

0.856 ± 0.087 χ^2/NDF : 4921.9/21

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643+/-0.072 χ^2/NDF : 1310.1/16

Left Out: -0.057+/-0.146 χ^2/NDF :195.7/2

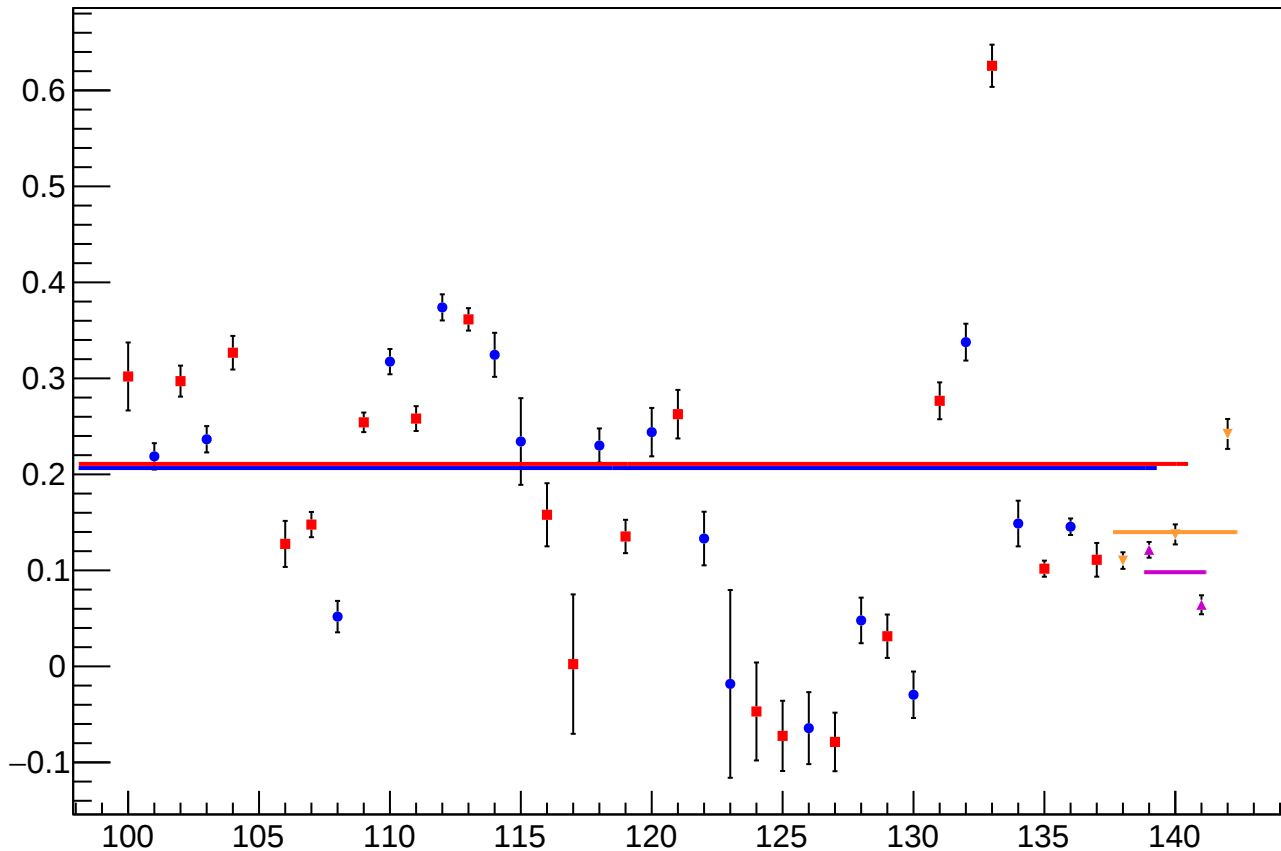
Right Out: -1.633+/-0.067 χ^2/NDF : 1470.6/19

Left In: -0.583+/-0.176 χ^2/NDF :375.9/1

-1.330+/-0.065 χ^2/NDF : 1600.5/19

-1.500+/-0.062 χ^2/NDF : 1877.7/21

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.140 $\pm$ 0.006 χ^2/NDF : 54.9/2

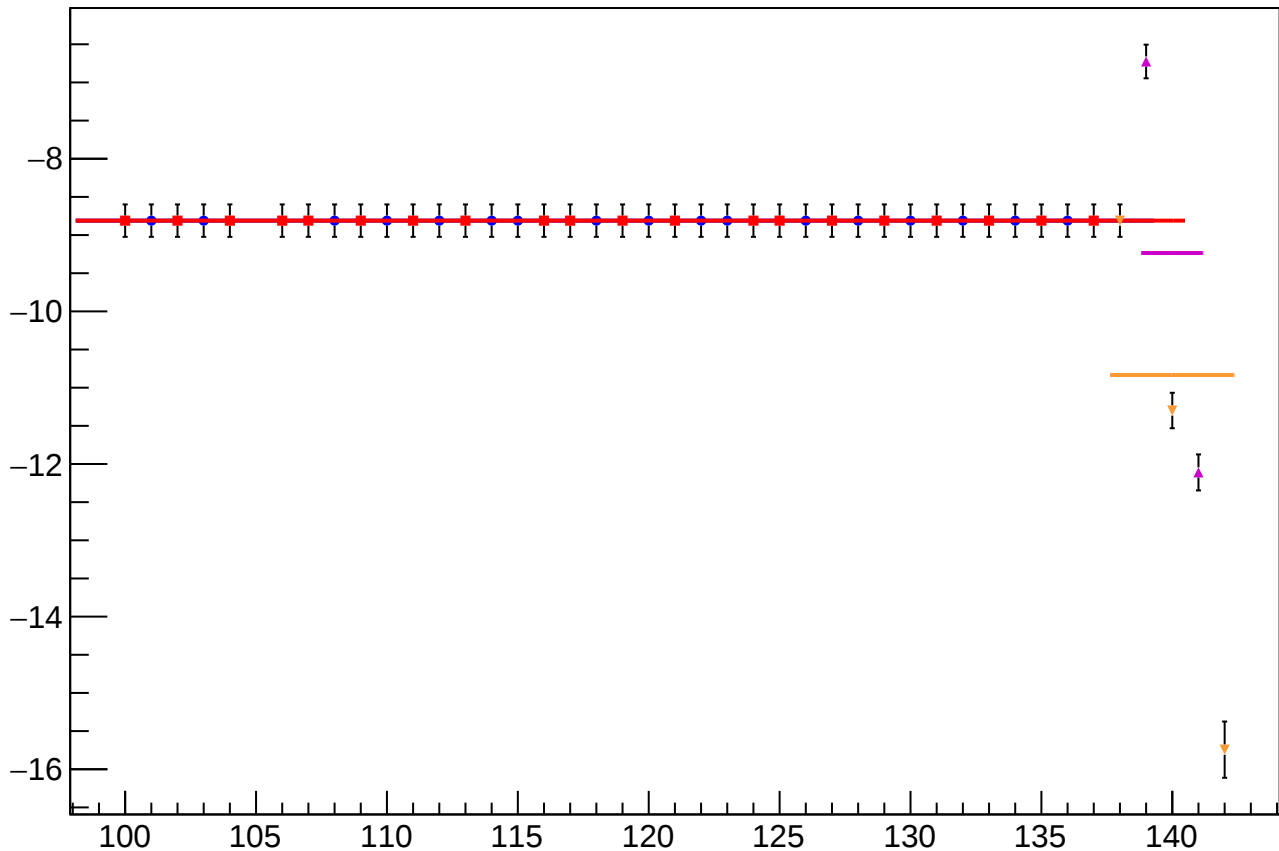
Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1153.8/19

Left In: 0.098 $\pm$ 0.006 χ^2/NDF : 19.9/1

0.185 $\pm$ 0.003 χ^2/NDF : 790.6/19

0.181 $\pm$ 0.003 χ^2/NDF : 1409.5/21

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -8.811 ± 0.052 χ^2/NDF : 0.0/16

Left Out: -10.833 ± 0.144 χ^2/NDF : 271.9/2

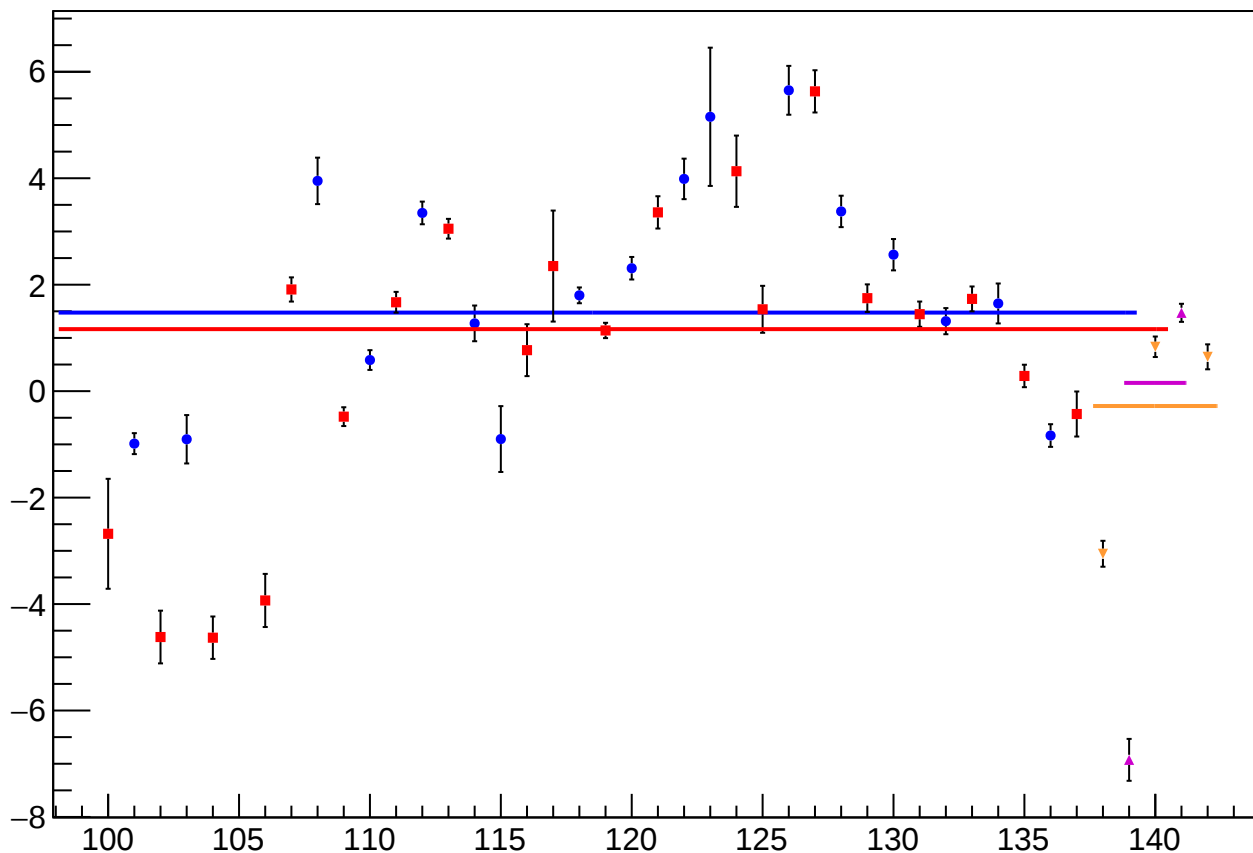
Right Out: -8.811 ± 0.048 χ^2/NDF : 0.0/19

Left In: -9.235 ± 0.161 χ^2/NDF : 278.2/1

-9.040 ± 0.049 χ^2/NDF : 446.0/19

-8.845 ± 0.046 χ^2/NDF : 284.6/21

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 $\pm$ 0.064 χ^2 /NDF: 659.7/16

Left Out: -0.279 $\pm$ 0.127 χ^2 /NDF:178.9/2

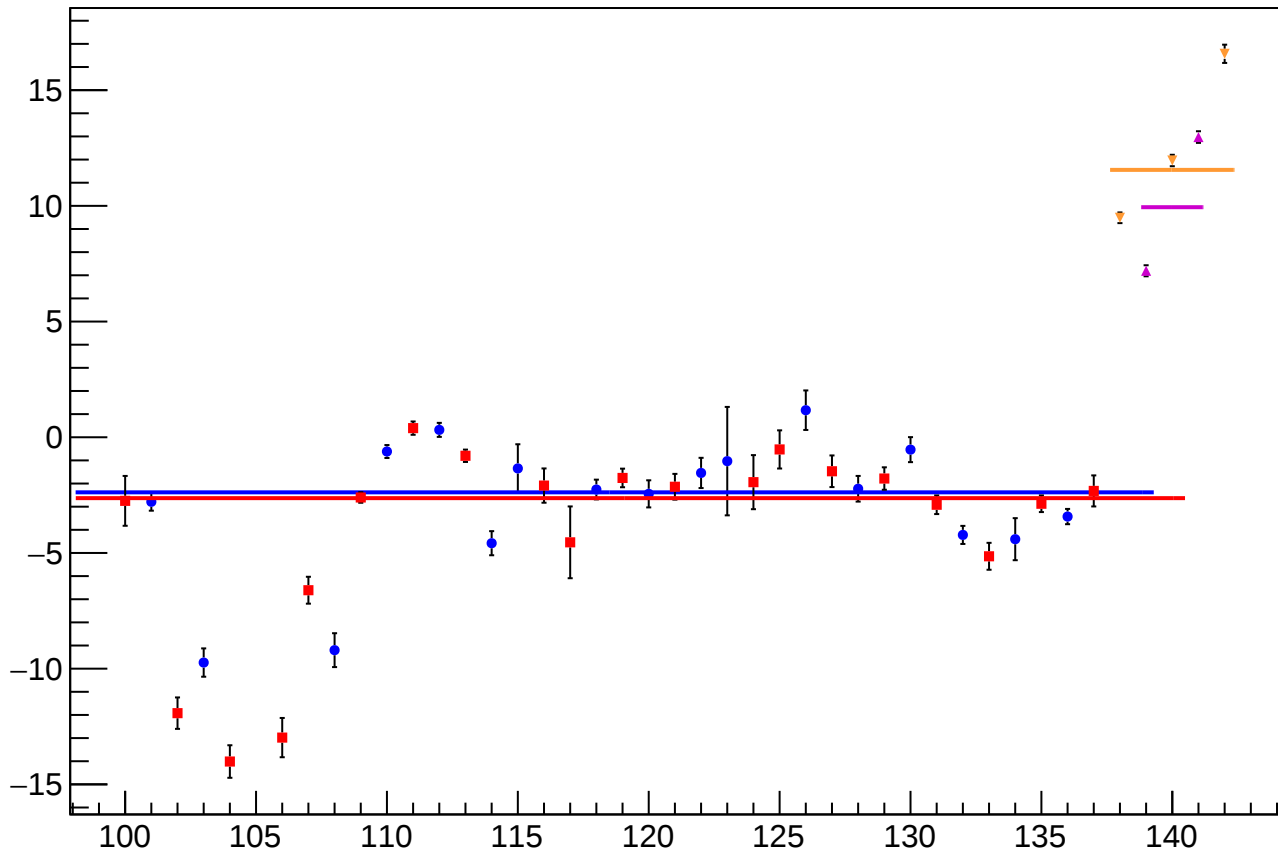
Right Out: 1.165 $\pm$ 0.060 χ^2 /NDF: 919.2/19

Left In: 0.155 $\pm$ 0.156 χ^2 /NDF:384.0/1

1.124 $\pm$ 0.057 χ^2 /NDF: 991.2/19

1.035 $\pm$ 0.056 χ^2 /NDF: 1339.8/21

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 11.555 ± 0.155 χ^2/NDF : 244.7/2

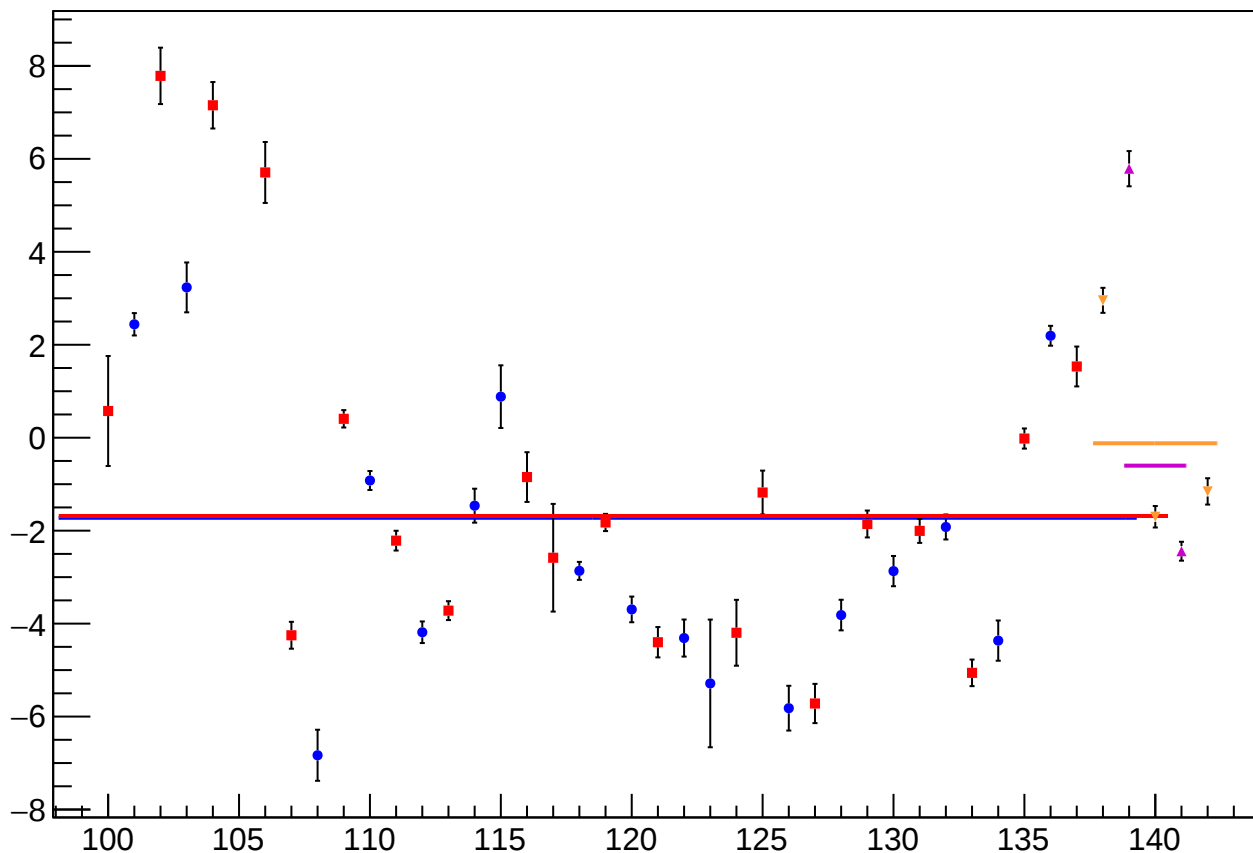
Right Out: -2.631 ± 0.103 χ^2/NDF : 842.8/19

Left In: 9.942 ± 0.173 χ^2/NDF : 278.3/1

2.560 ± 0.092 χ^2/NDF : 5886.3/19

0.661 ± 0.089 χ^2/NDF : 5020.9/21

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 ± 0.073 $\chi^2/\text{NDF}: 1247.6/16$

Left Out: -0.120 ± 0.149 $\chi^2/\text{NDF}: 191.0/2$

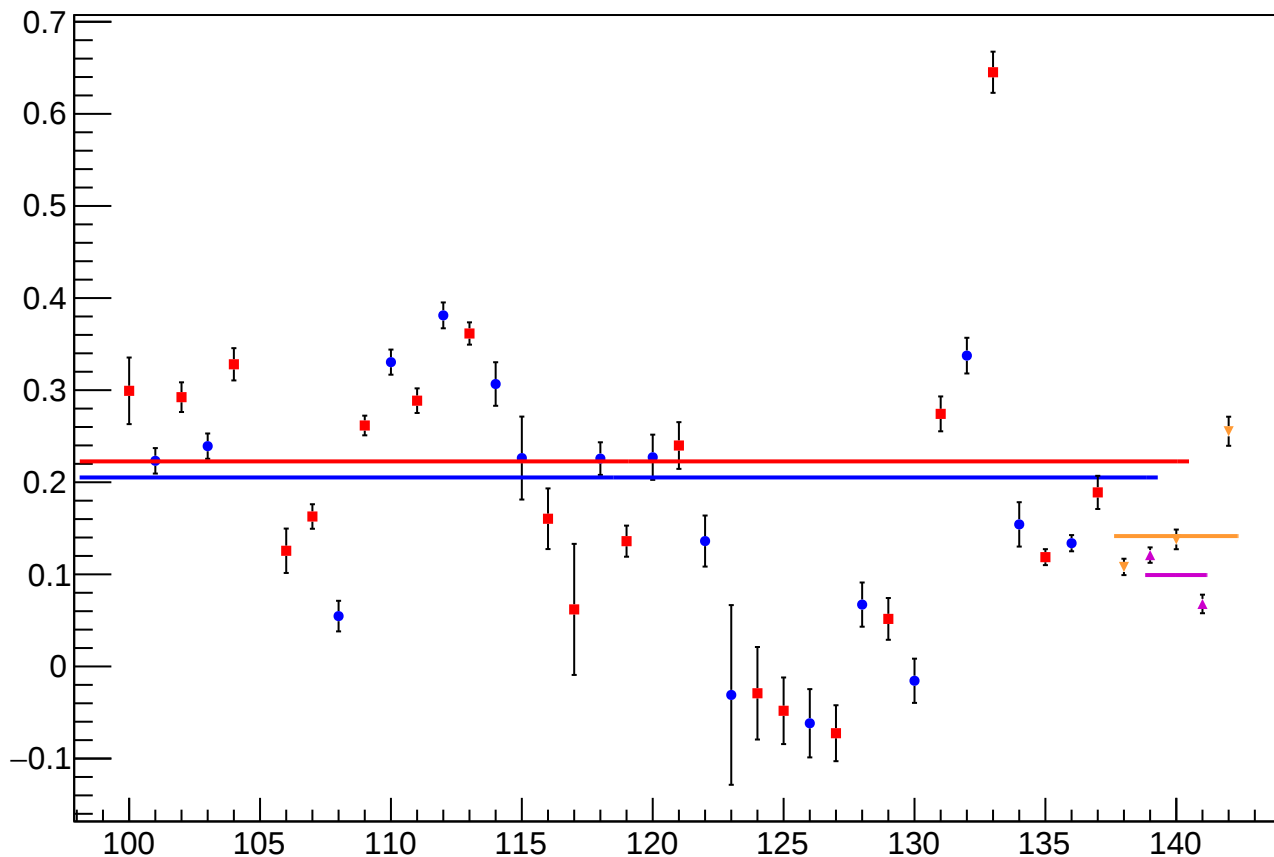
Right Out: -1.684 ± 0.068 $\chi^2/\text{NDF}: 1431.6/19$

Left In: -0.601 ± 0.179 $\chi^2/\text{NDF}: 366.5/1$

-1.411 ± 0.066 $\chi^2/\text{NDF}: 1531.7/19$

-1.548 ± 0.063 $\chi^2/\text{NDF}: 1830.1/21$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205+/-0.004 χ^2/NDF : 650.7/16

Left Out: 0.142+/-0.006 χ^2/NDF : 66.3/2

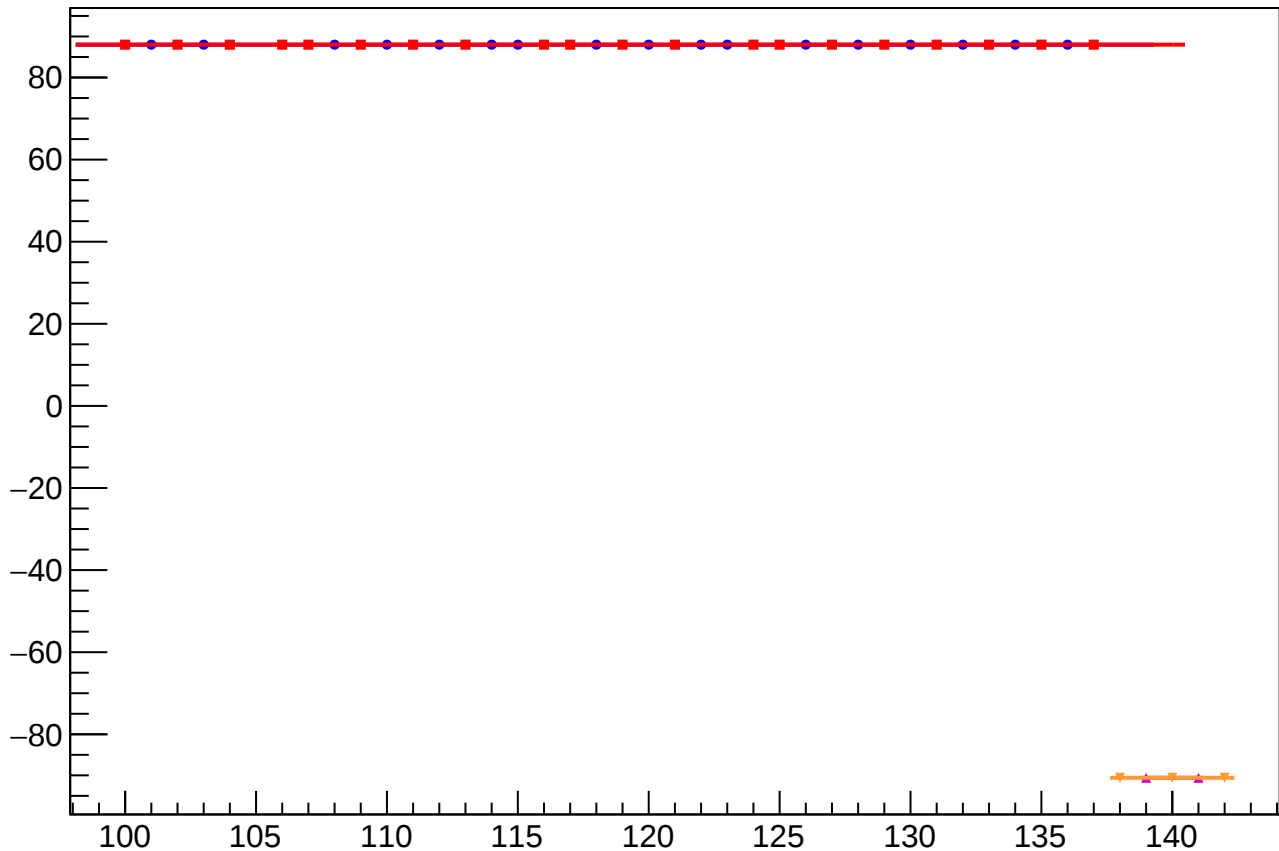
Right Out: 0.223+/-0.004 χ^2/NDF : 1045.6/19

Left In: 0.099+/-0.006 χ^2/NDF : 16.4/1

0.185+/-0.004 χ^2/NDF : 787.3/19

0.190+/-0.003 χ^2/NDF : 1333.3/21

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 809207.2/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF:1931838.3/2

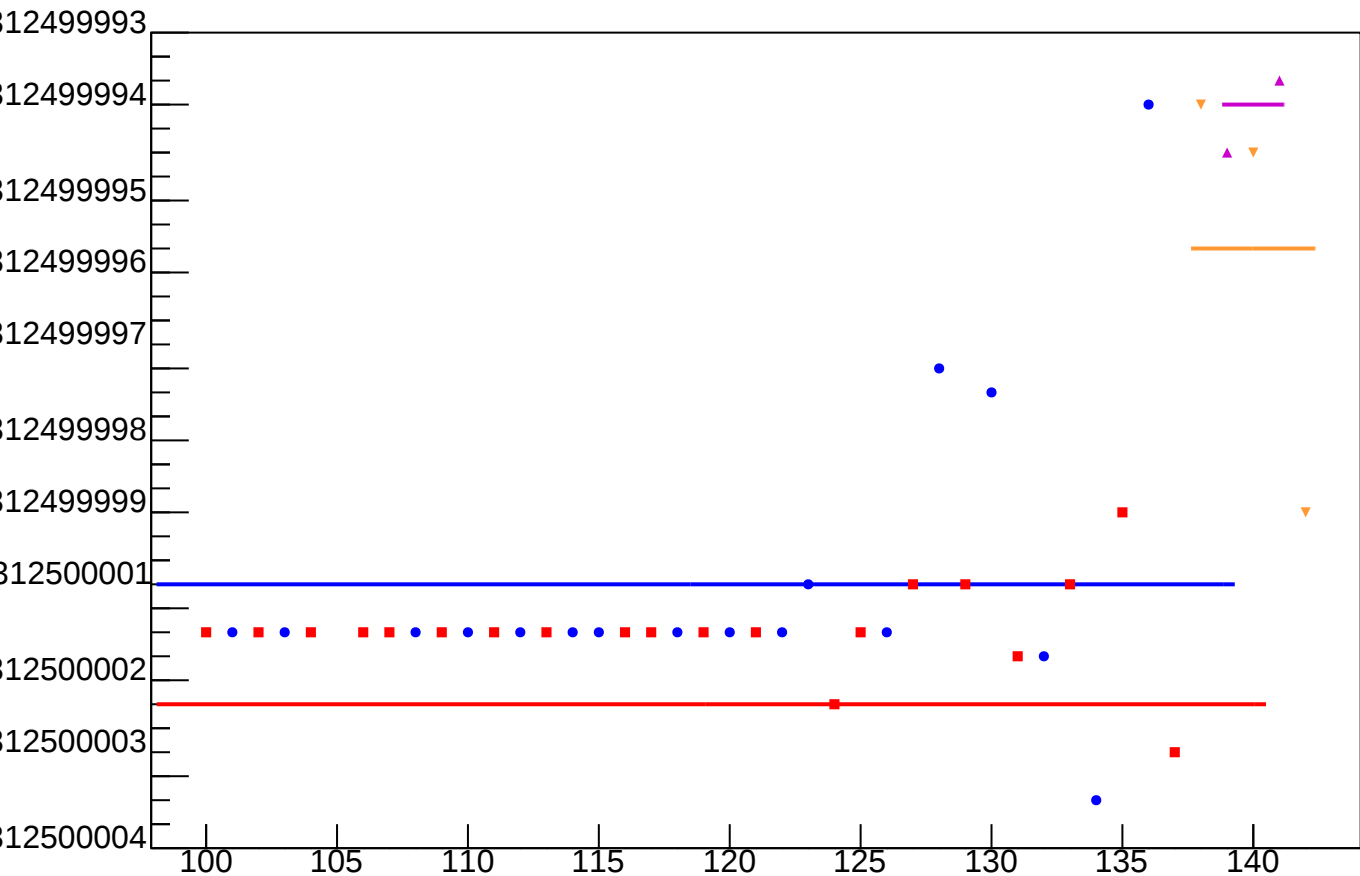
Right Out: 88.001 $\pm$ 0.000 χ^2 /NDF: 224768.6/19

Left In: -90.599 $\pm$ 0.000 χ^2 /NDF:214267.2/1

47.076 $\pm$ 0.000 χ^2 /NDF: 506528250687430330

56.692 $\pm$ 0.000 χ^2 /NDF: 418267715404630392

HWlenAngle_mean vs Slug



Right In: -29.641+/-0.000 χ^2/NDF : 590181.6/16

Left Out: -29.641+/-0.000 χ^2/NDF : 122254.5/2

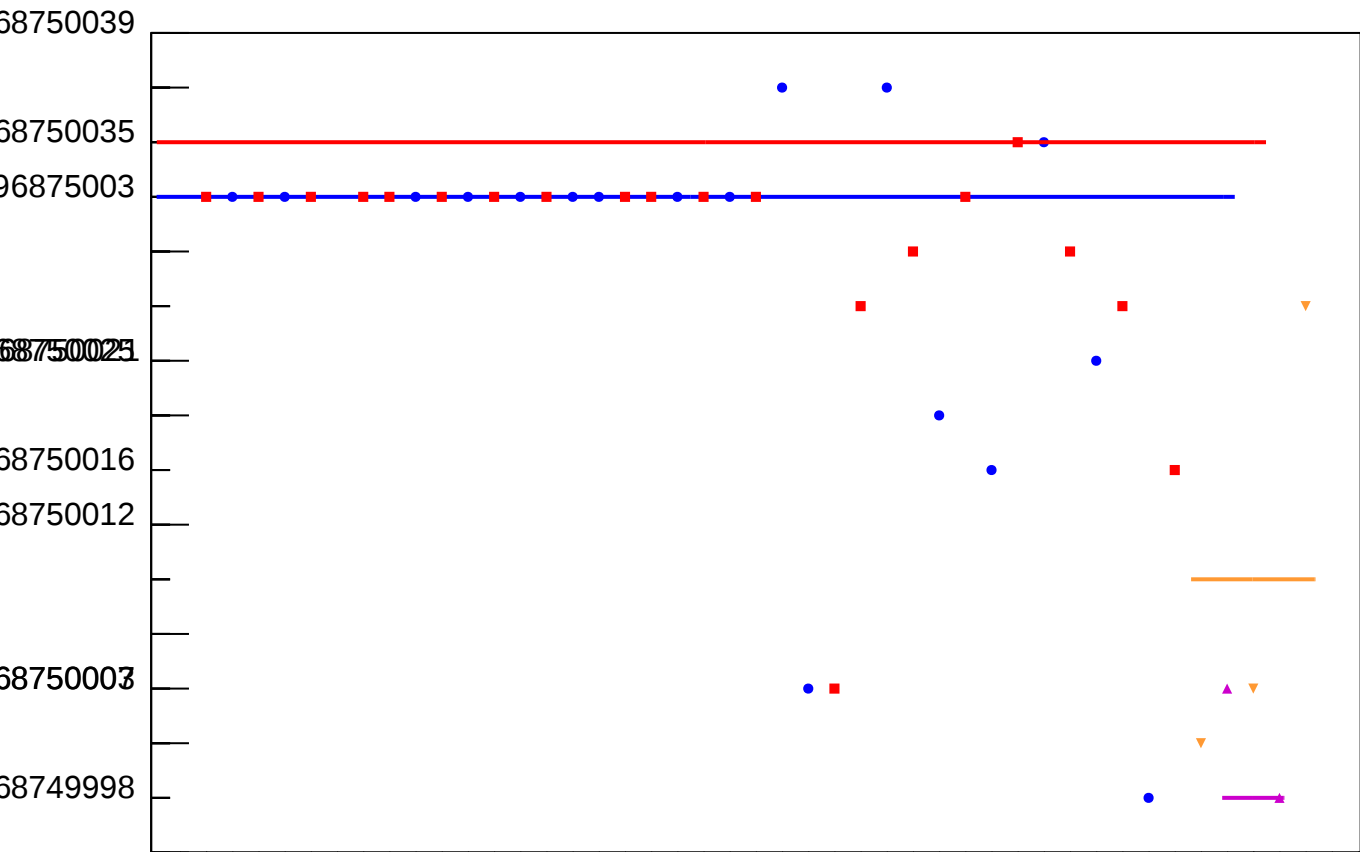
Right Out: -29.641+/-0.000 χ^2/NDF : 138258.9/19

Left In: -29.641+/-0.000 χ^2/NDF : 4808.9/1

-29.641+/-0.000 χ^2/NDF : 1034644.7/19

-29.641+/-0.000 χ^2/NDF : 970500.9/21

psub_pl_pos_mean vs Slug



6874994

Right In: 1467.979+/-0.000 χ^2/NDF : 709203977.7/16

Left Out: 1467.979+/-0.000 χ^2/NDF :112703358.5/2

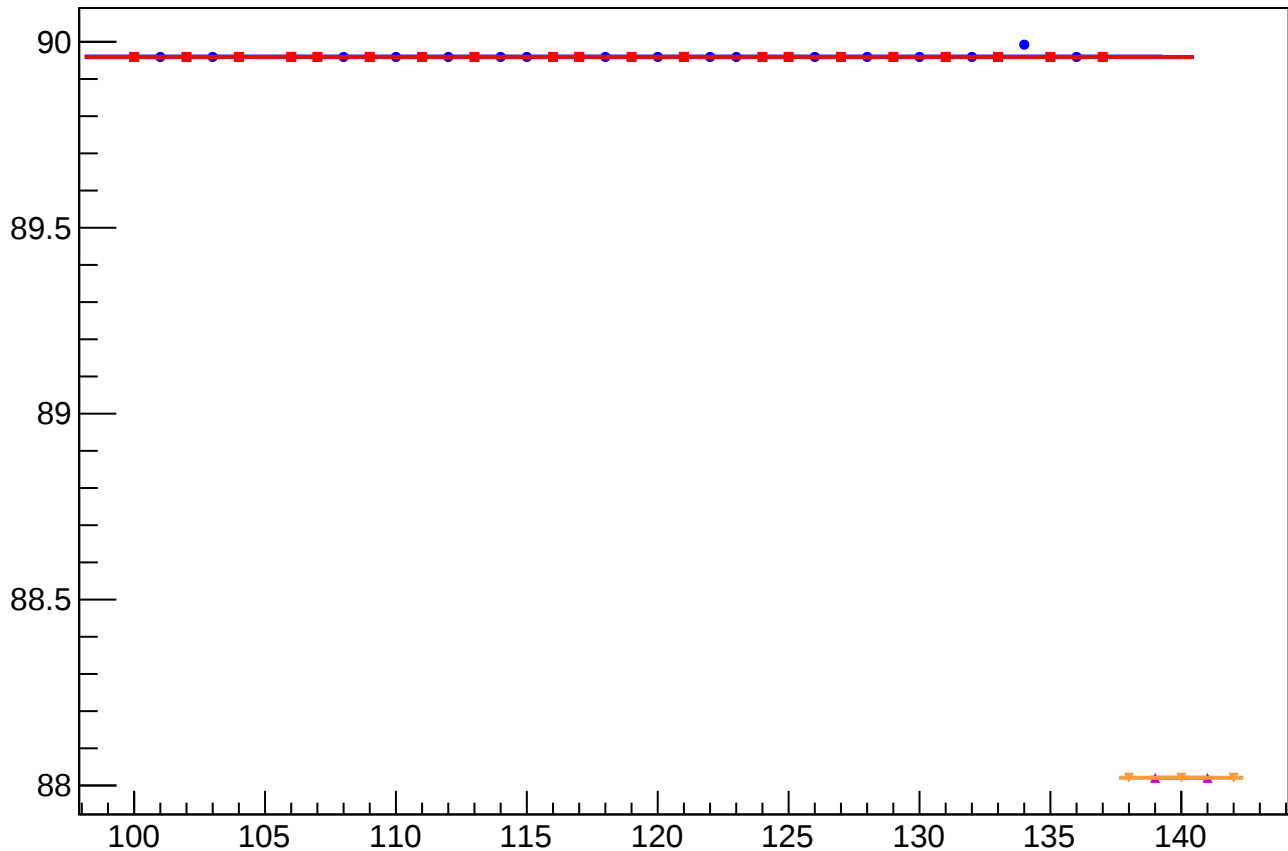
1467.979+/-0.000 χ^2/NDF : 1040386415.4/19

Right Out: 1467.979+/-0.000 χ^2/NDF : 189579456.6/19

1467.979+/-0.000 χ^2/NDF : 947948982.0/21

Left In: 1467.979+/-0.000 χ^2/NDF :15302841.3/1

Phi_FG_mean vs Slug



Right In: 89.960 $\pm$ 0.000 χ^2/NDF : 22241994025452511954976374784.0/16

Left Out: 88.021 $\pm$ 0.000 χ^2/NDF : 1738775.7/2

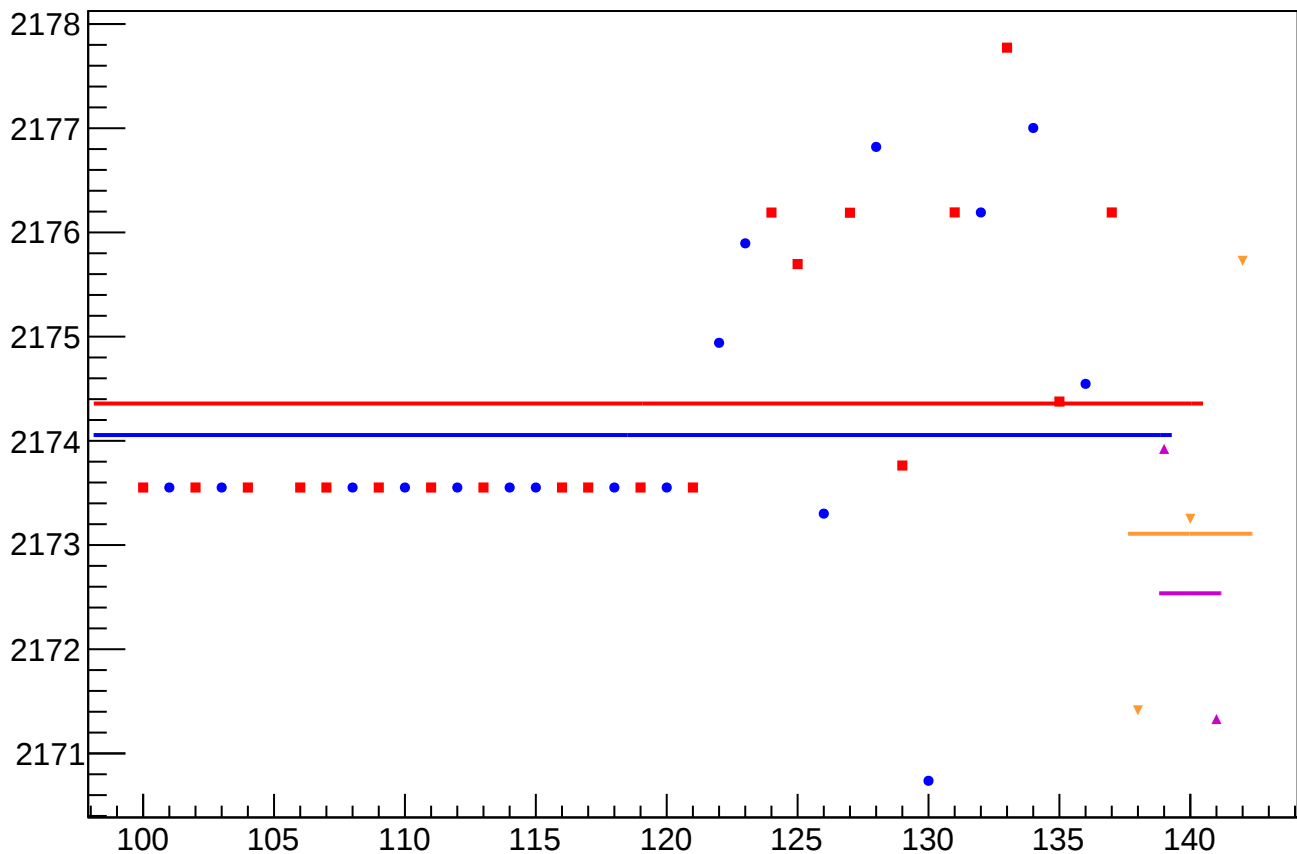
Right Out: 89.959 $\pm$ 0.000 χ^2/NDF : 965111.4/19

Left In: 88.021 $\pm$ 0.000 χ^2/NDF : 128439.2/1

89.516 $\pm$ 0.000 χ^2/NDF : 59741916464322993

89.619 $\pm$ 0.000 χ^2/NDF : 492793591695393396

HALLA_p_mean vs Slug



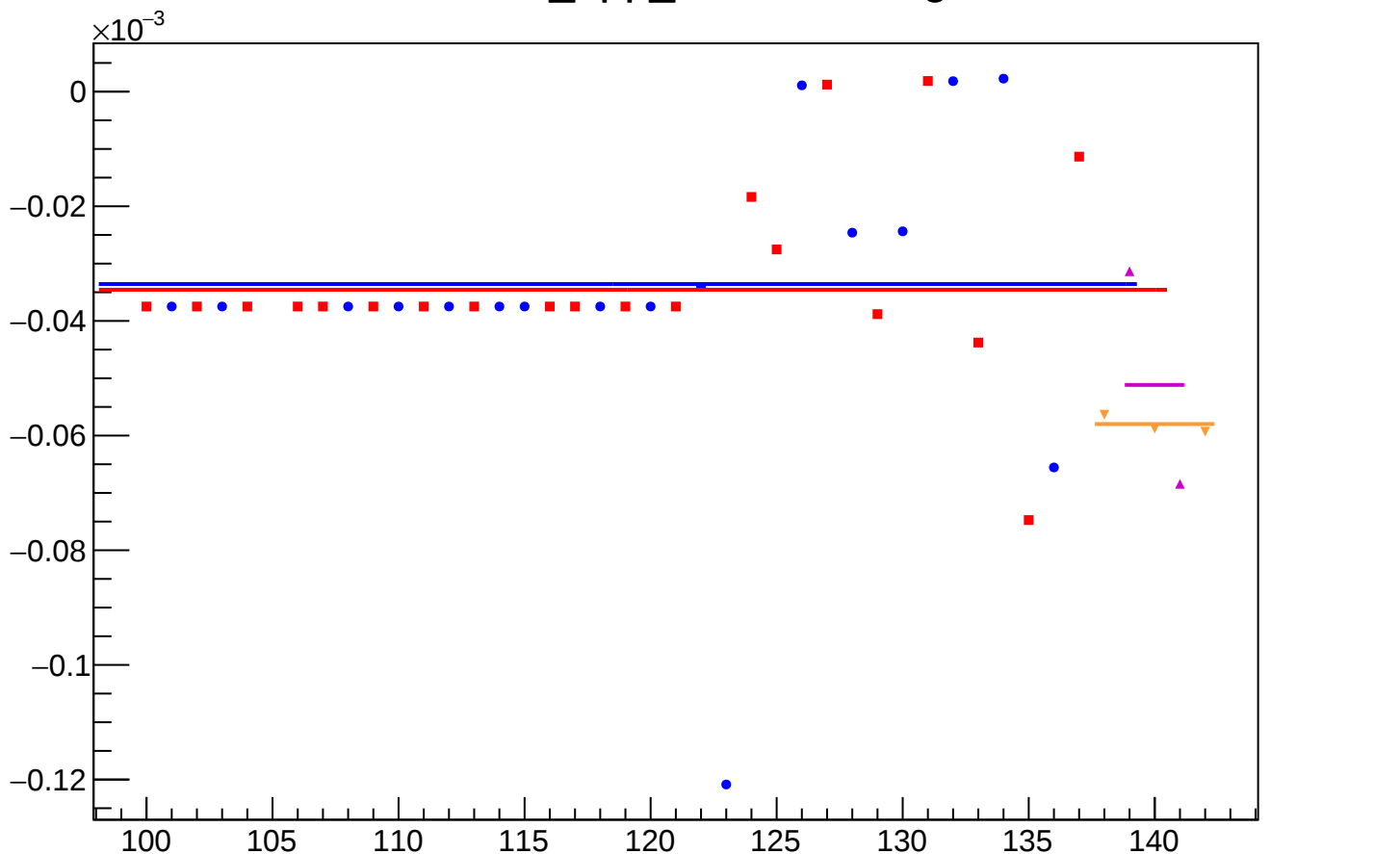
Right In: 2174.056 ± 0.000 $\chi^2/NDF: 1540627337710283644302236183429120.0/16$

Left Out: 2173.108 ± 0.000 $\chi^2/NDF: 541370519497844497002057579888640.0/2$

Right Out: 2174.358 ± 0.000 $\chi^2/NDF: 1264231113010335742320671948013568.0/19$

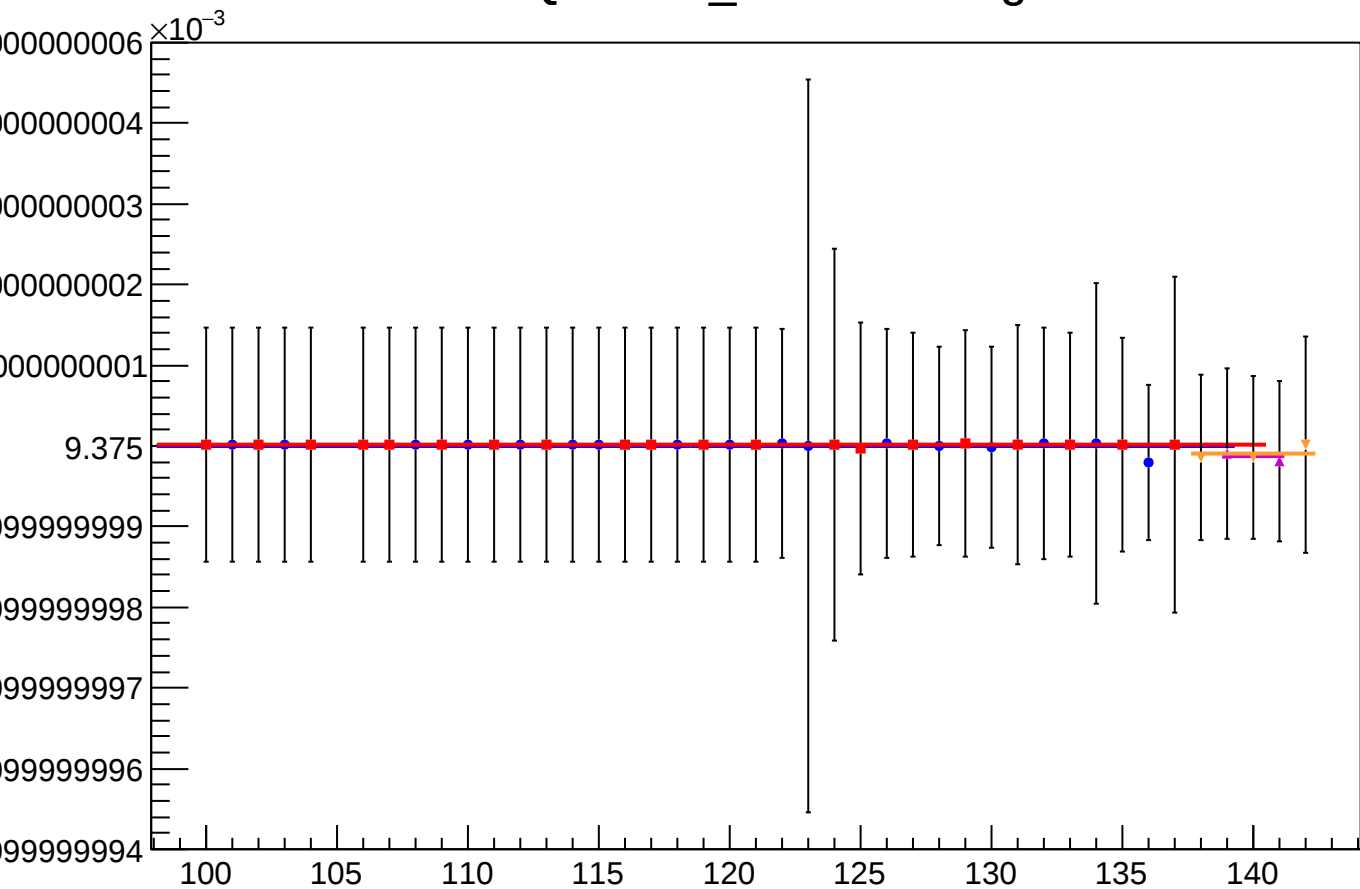
Left In: 2172.537 ± 0.000 $\chi^2/NDF: 265867658370056766614888102494208.0/1$

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 261082170040518671597568.0/16	-0.000+/-0.000	χ^2/NDF : 356126703686543428
Left Out: -0.000+/-0.000	χ^2/NDF : 339741803624316338176.0/2		
Right Out: -0.000+/-0.000	χ^2/NDF : 205320369613969110859776.0/19	-0.000+/-0.000	χ^2/NDF : 295890396115800017
Left In: -0.000+/-0.000	χ^2/NDF : 54439379727702632169472.0/1		

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/2

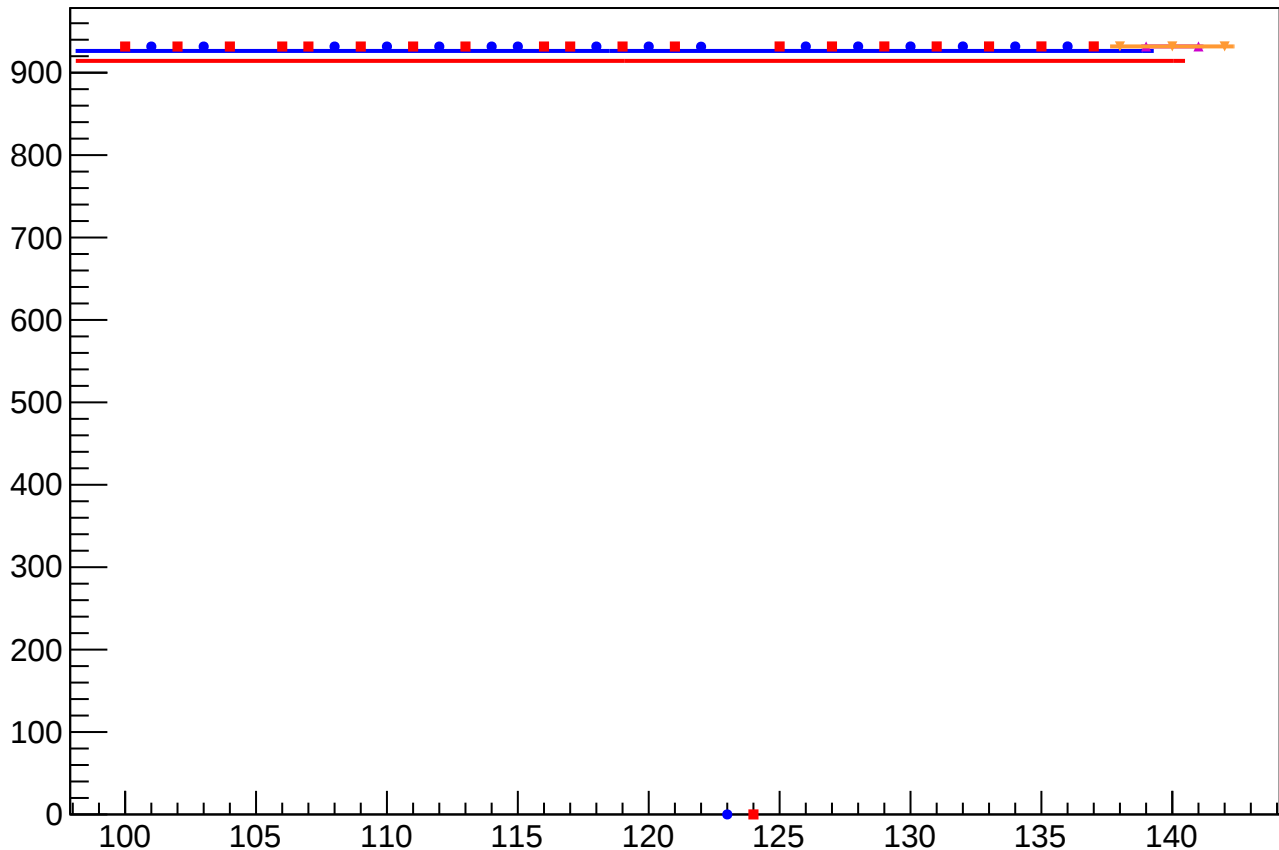
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/19

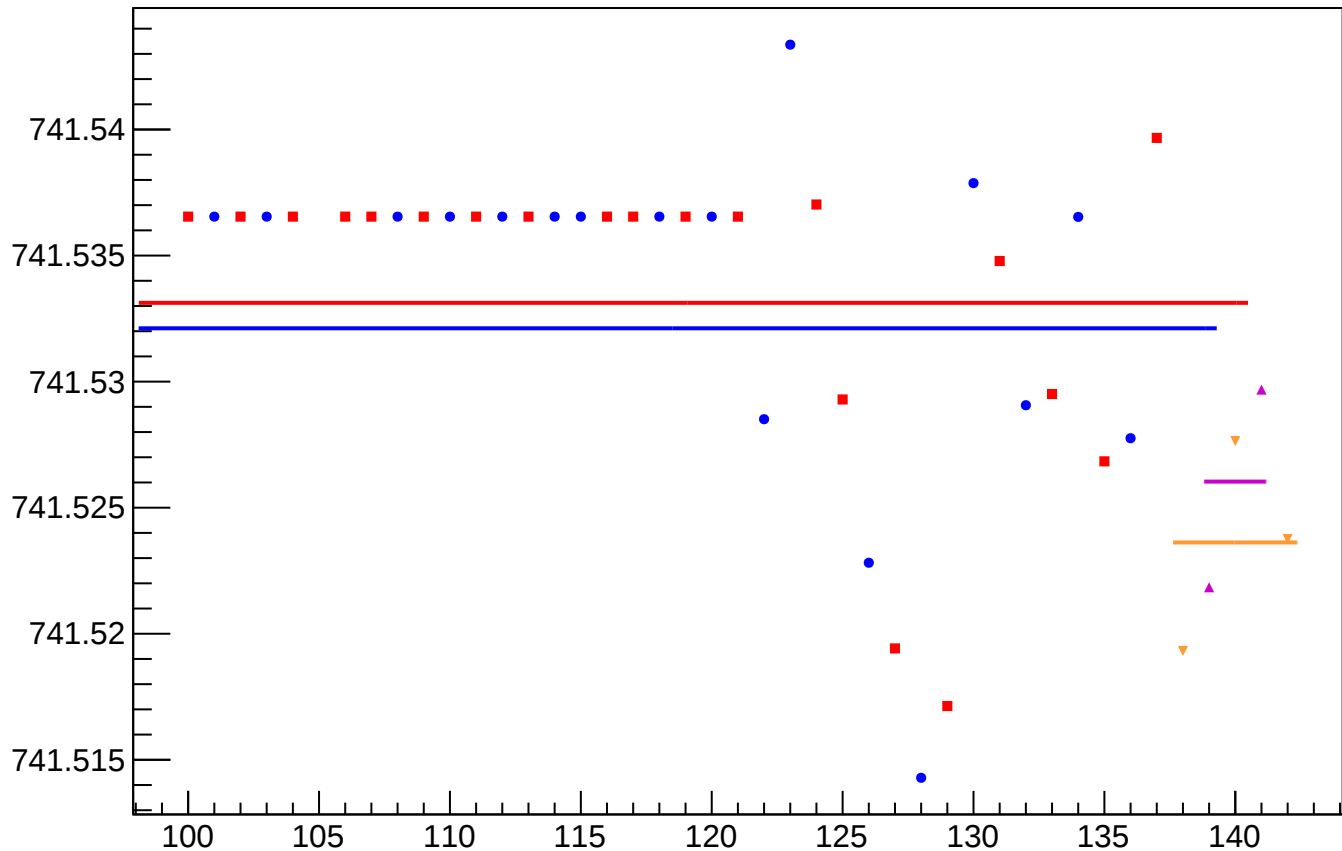
0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/21

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 926.386+/-0.000 χ^2/NDF : 3452467754227541020877770418970165248.0/16
Left Out: 931.872+/-0.000 χ^2/NDF : 11901716889977716248470880256.0/2
Right Out: 914.329+/-0.000 χ^2/NDF : 11926383090568783667643627436949635072.0/19
Left In: 931.871+/-0.000 χ^2/NDF : 2066387124984684260007870464.0/1

HacL_D1_HP3458A_IOUT_mean vs Slug



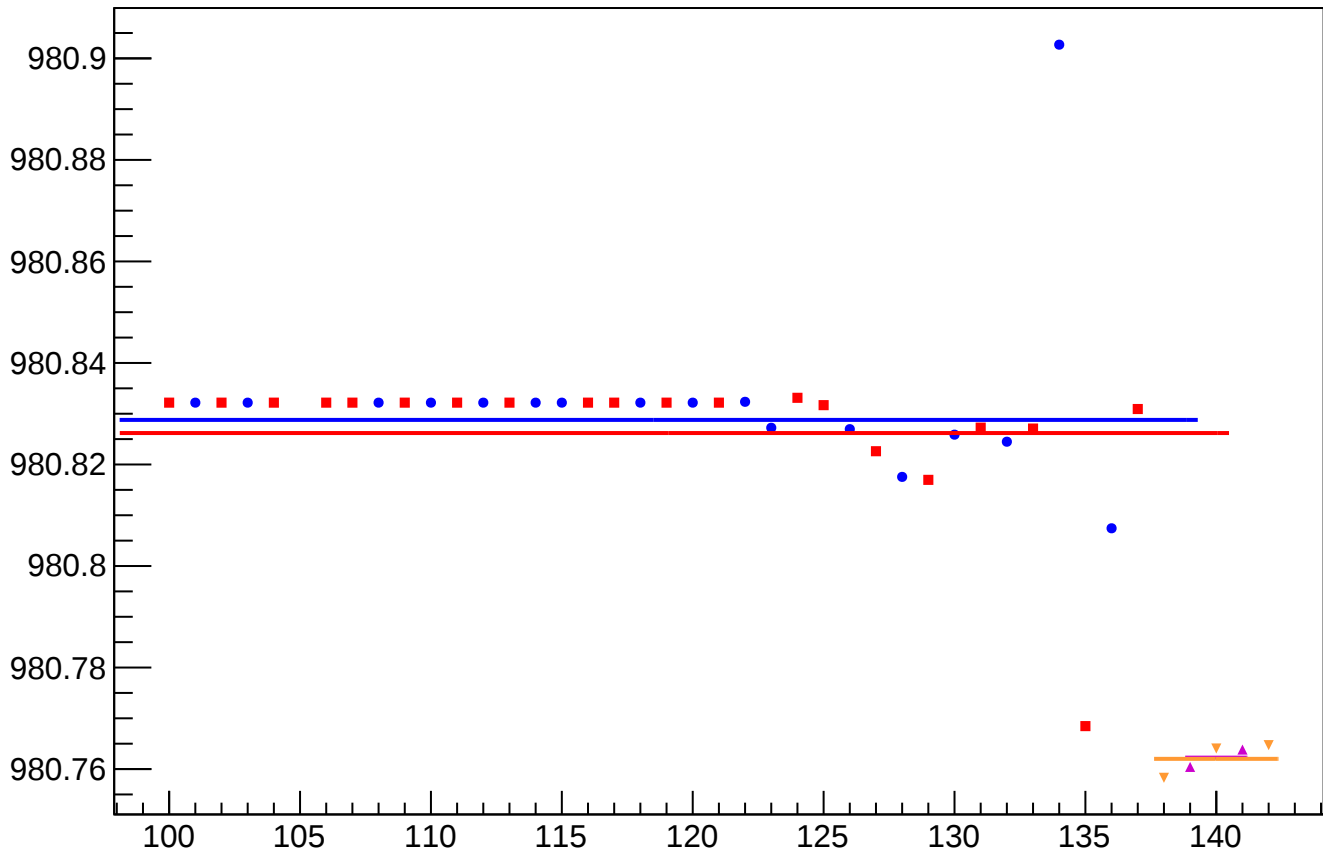
Right In: 741.532 $\pm$ 0.000 χ^2 /NDF: 32849351469491643197637525504.0/16

Left Out: 741.524 $\pm$ 0.000 χ^2 /NDF: 2772953964844253202673041408.0/2

Right Out: 741.533 $\pm$ 0.000 χ^2 /NDF: 28343010063633014145849229312.0/19

Left In: 741.526 $\pm$ 0.000 χ^2 /NDF: 2432051909991423801261293568.0/1

HacL_Q3_HP3458A_IOUT_mean vs Slug



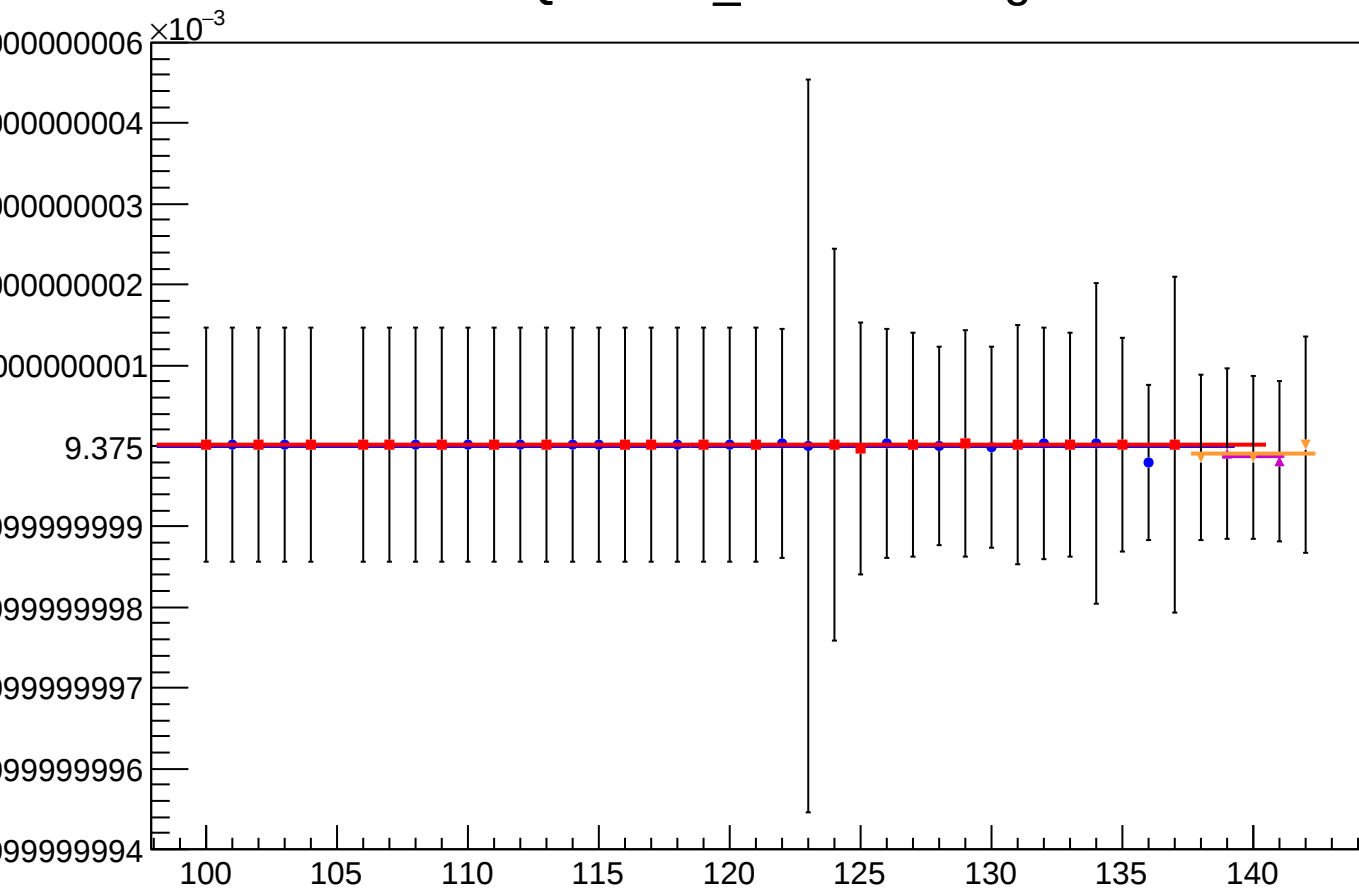
Right In: 980.829 +/- 0.000 χ^2/NDF : 167564898661061940746253238272.0/16

Left Out: 980.762 +/- 0.000 χ^2/NDF : 1762848308512476163607625728.0/2

Right Out: 980.826 +/- 0.000 χ^2/NDF : 179755692387407514348787073024.0/19

Left In: 980.762 +/- 0.000 χ^2/NDF : 460679706103040240823304192.0/1

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/2

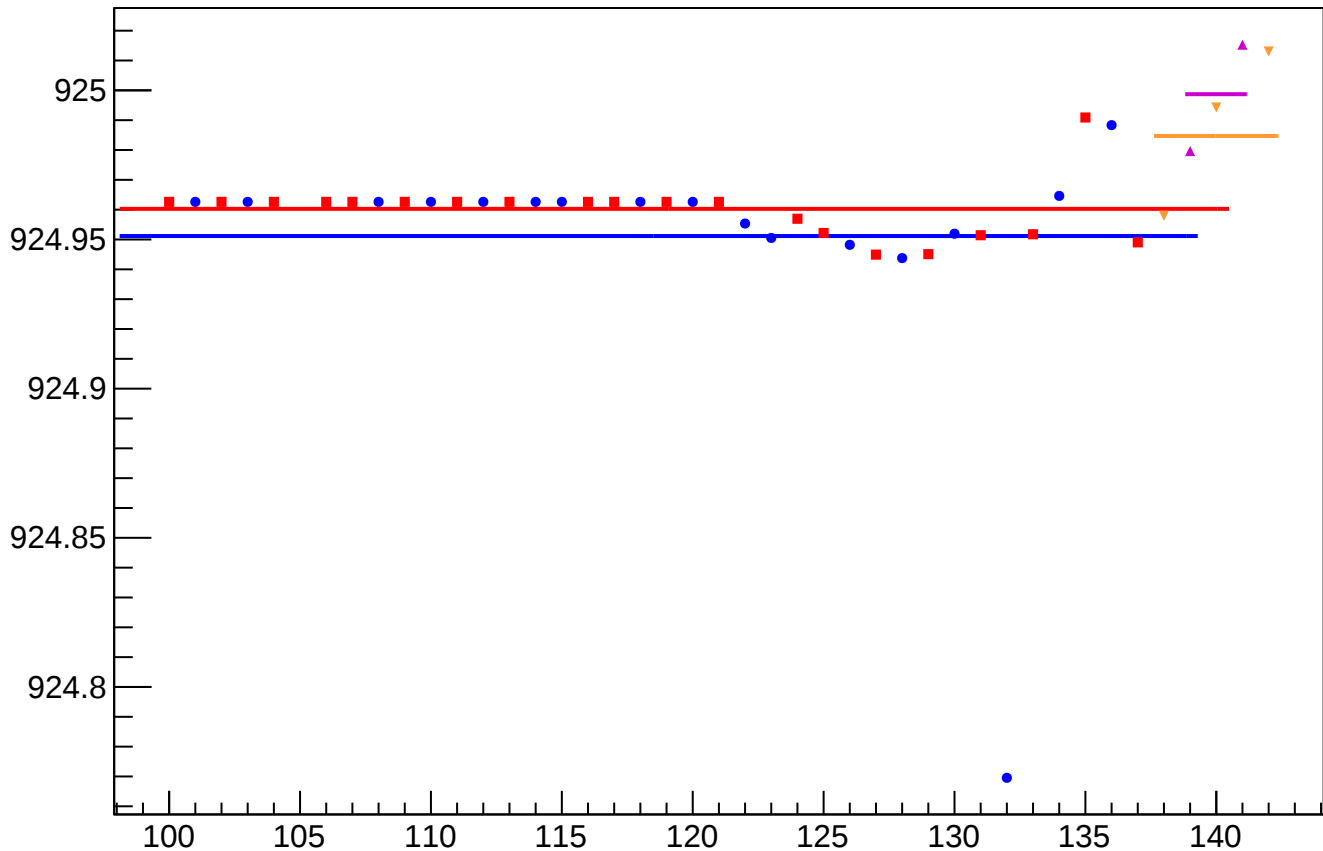
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/1

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/19

0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/21

HacR_Q2_HP3458A_IOUT_mean vs Slug



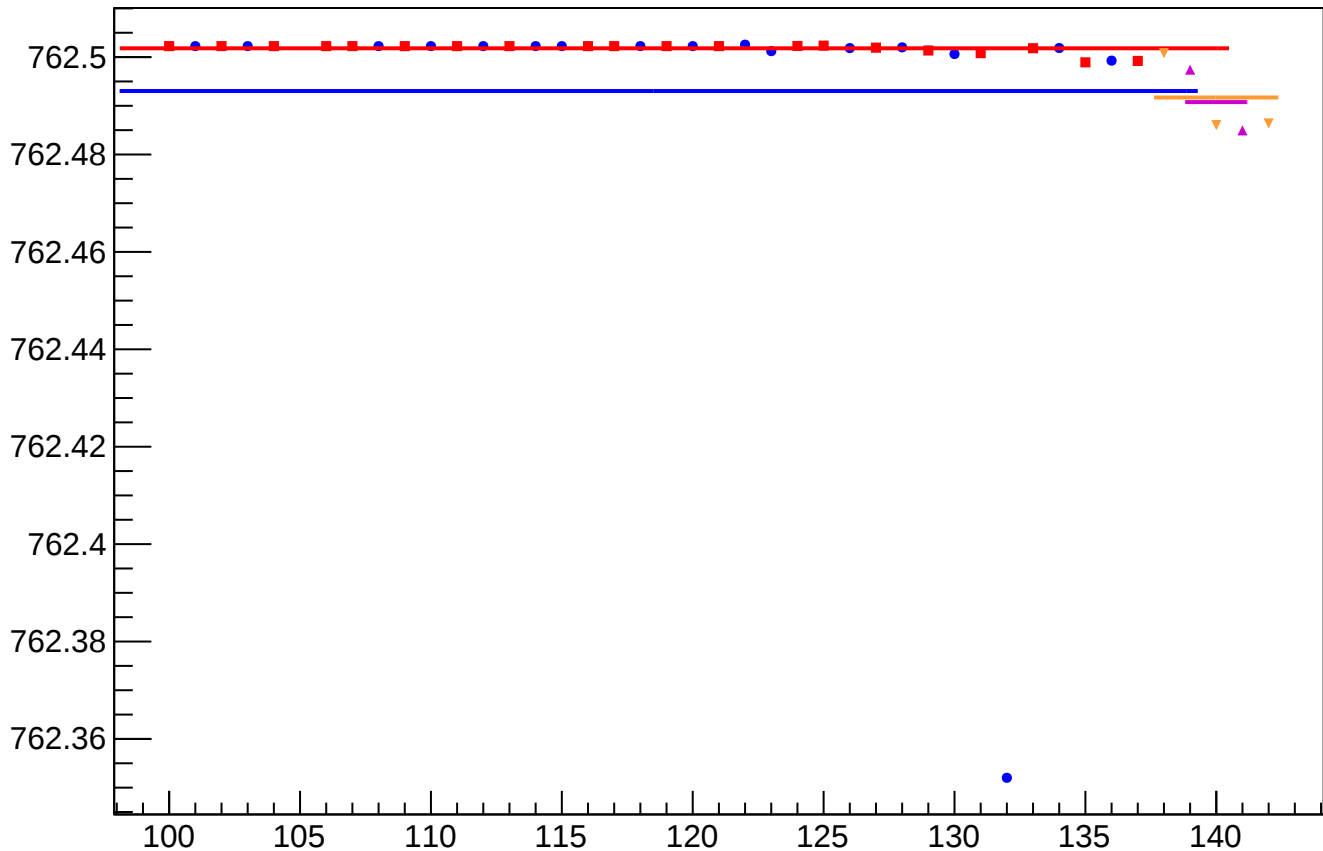
Right In: 924.951+/-0.000 χ^2/NDF : 1494768077098177221899893866496.0/16

Left Out: 924.985+/-0.000 χ^2/NDF : 100194312941343417732721278976.0/2

Right Out: 924.960+/-0.000 χ^2/NDF : 77324010756500300508572942336.0/19

Left In: 924.999+/-0.000 χ^2/NDF : 50318888737115725091594829824.0/1

HacR_D1_HP3458A_IOUT_mean vs Slug



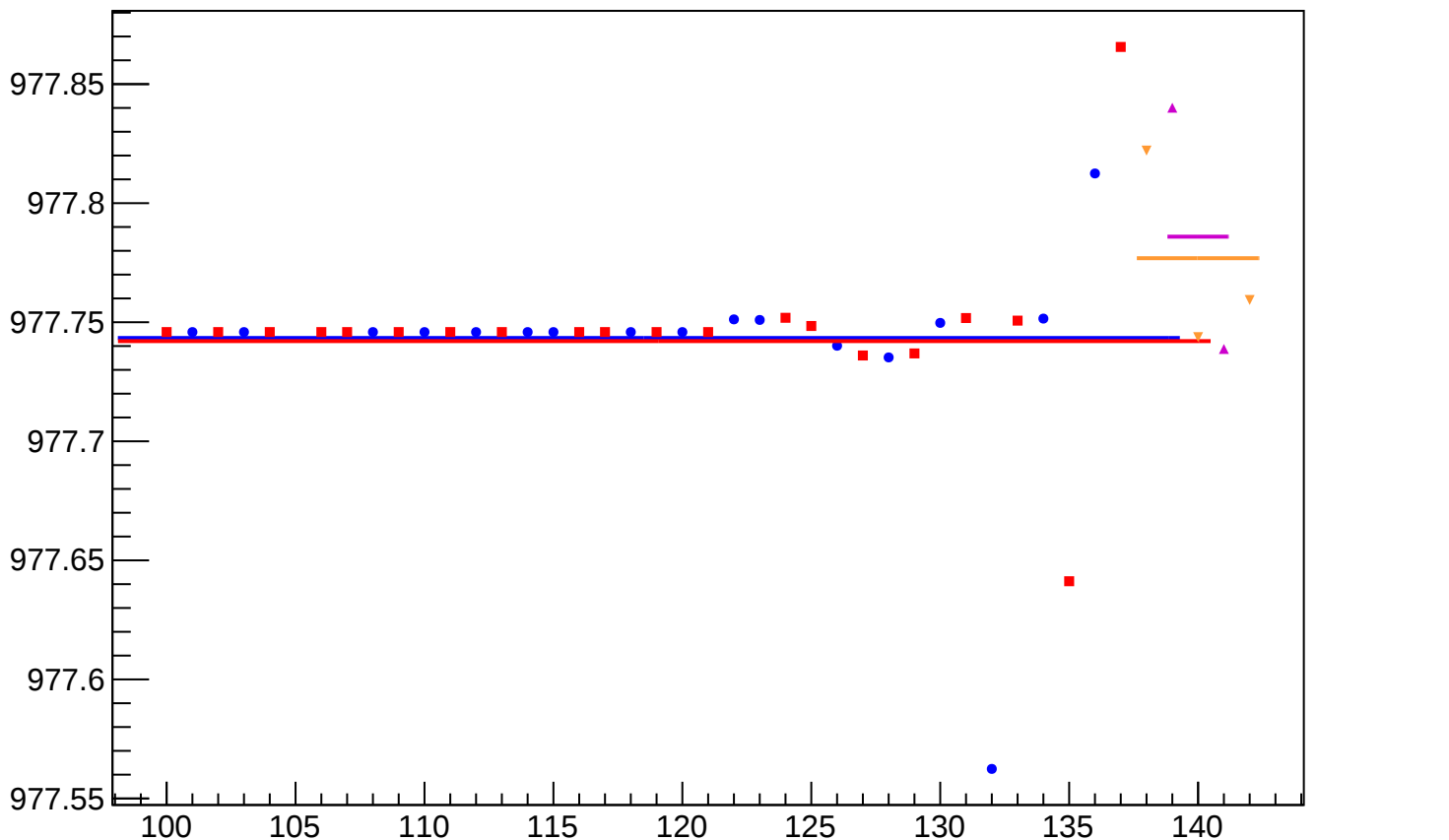
Right In: 762.493+/-0.000 χ^2/NDF : 844860490387532826187107663872.0/16

Left Out: 762.492+/-0.000 χ^2/NDF : 10395318958742864005596971008.0/2

Right Out: 762.502+/-0.000 χ^2/NDF : 671534847335234231068524544.0/19

Left In: 762.491+/-0.000 χ^2/NDF : 6149787237895671683150249984.0/1

HacR_Q3_HP3458A_IOUT_mean vs Slug



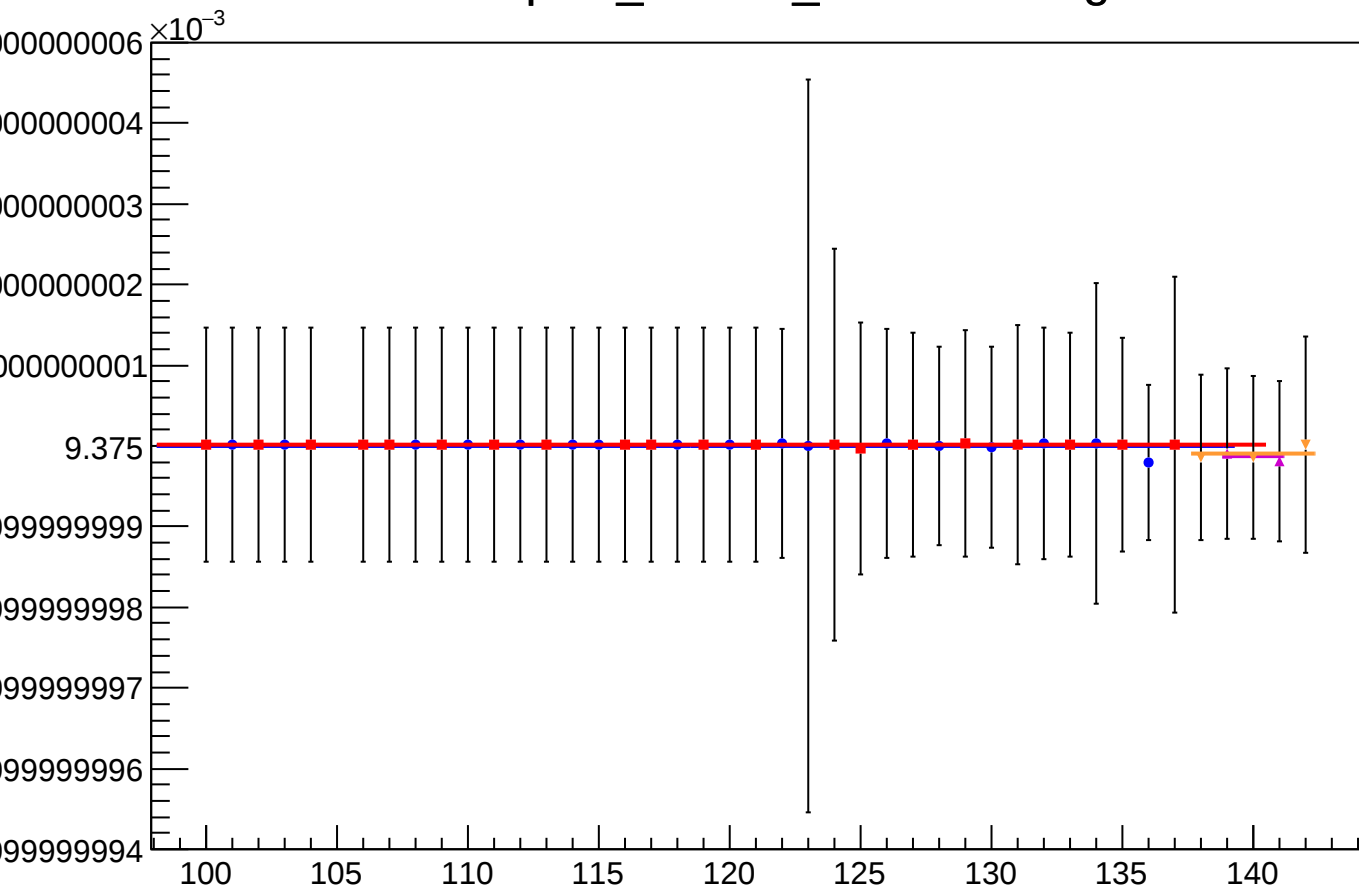
Right In: 977.743+/-0.000 χ^2/NDF : 1742505979268316185481239855104.0/16

Left Out: 977.777+/-0.000 χ^2/NDF : 263596783692703558104982224896.0/2

Right Out: 977.742+/-0.000 χ^2/NDF : 786821948031030942922994352128.0/19

Left In: 977.786+/-0.000 χ^2/NDF : 406106922252064969621644509184.0/1

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/2

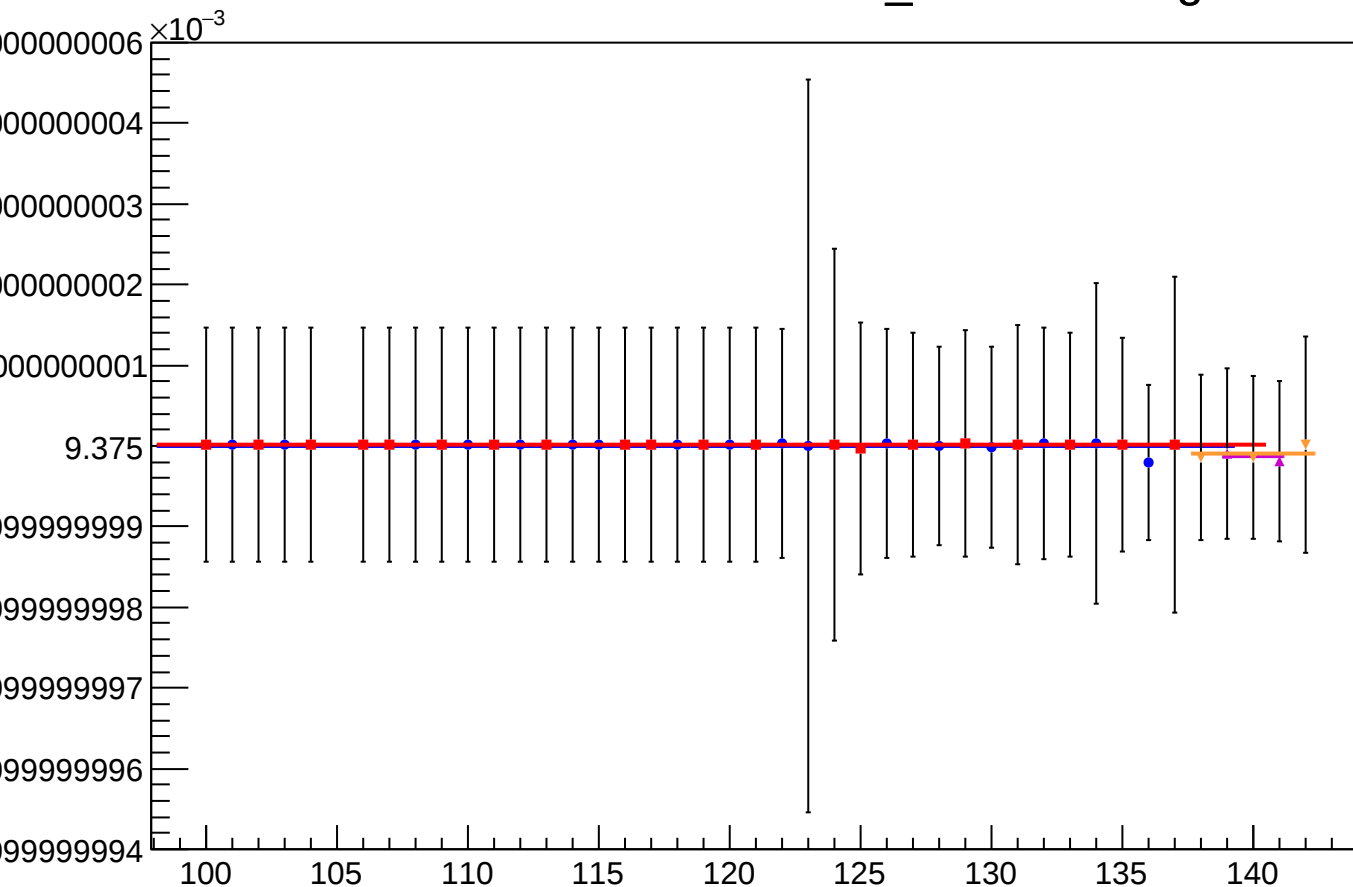
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/1

0.009+/-0.000 χ^2/NDF : 0.1/19

0.009+/-0.000 χ^2/NDF : 0.0/21

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/2

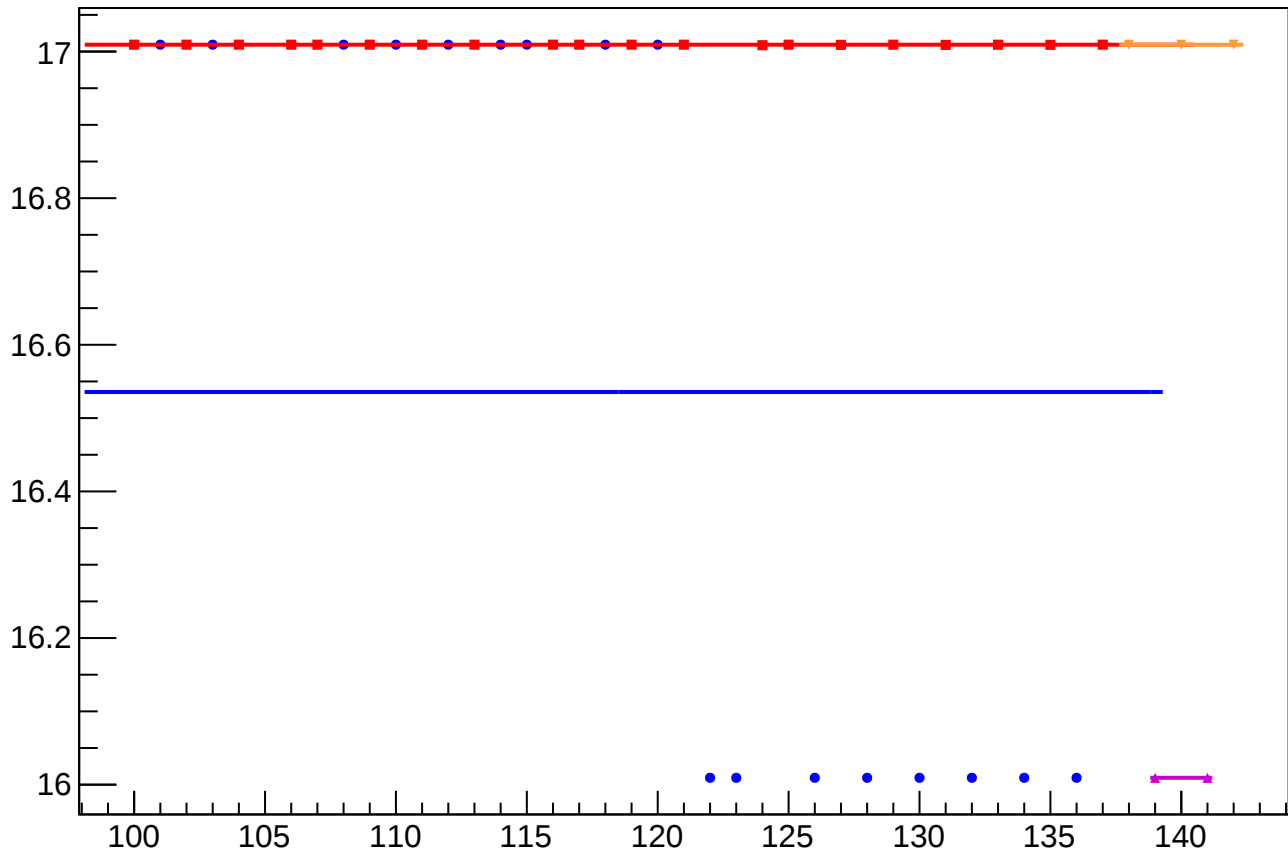
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/1

0.009+/-0.000 χ^2/NDF : 0.1/19

0.009+/-0.000 χ^2/NDF : 0.0/21

IGL1I00DI24_24M_mean vs Slug



Right In: 16.536+/-0.000 χ^2/NDF : 166290854572710847195720592654336.0/16

Left Out: 17.009+/-0.000 χ^2/NDF : 768410688214921444851712.0/2

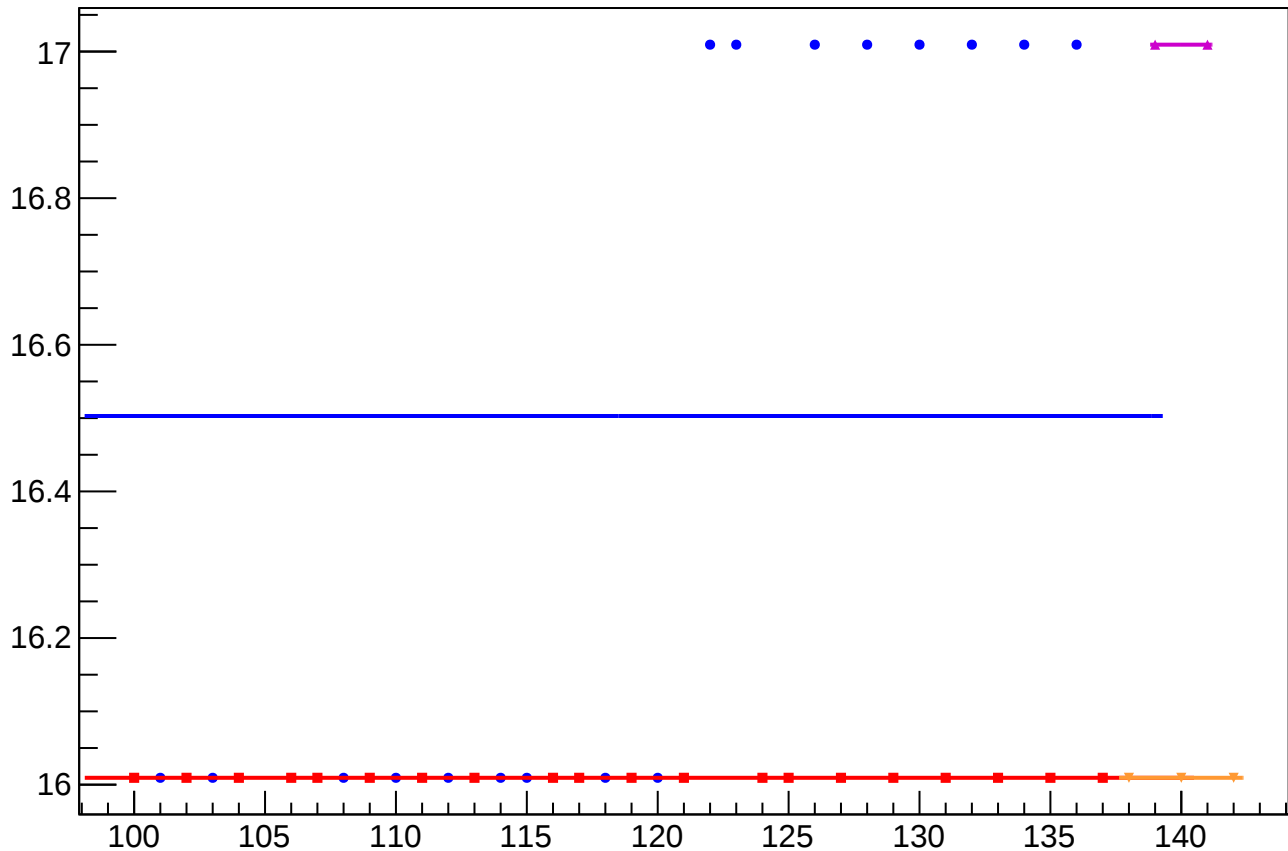
Right Out: 17.009+/-0.000 χ^2/NDF : 11540731635624530264719360.0/19

Left In: 16.009+/-0.000 χ^2/NDF : 1830.2/1

16.633+/-0.000 χ^2/NDF : 197105003637073192

16.844+/-0.000 χ^2/NDF : 120985421446404495

IGL1I00OD16_16_mean vs Slug



Right In: 16.503+/-0.000 χ^2/NDF : 173220779220767859821342581850112.0/16

Left Out: 16.009+/-0.000 χ^2/NDF : 10198.4/2

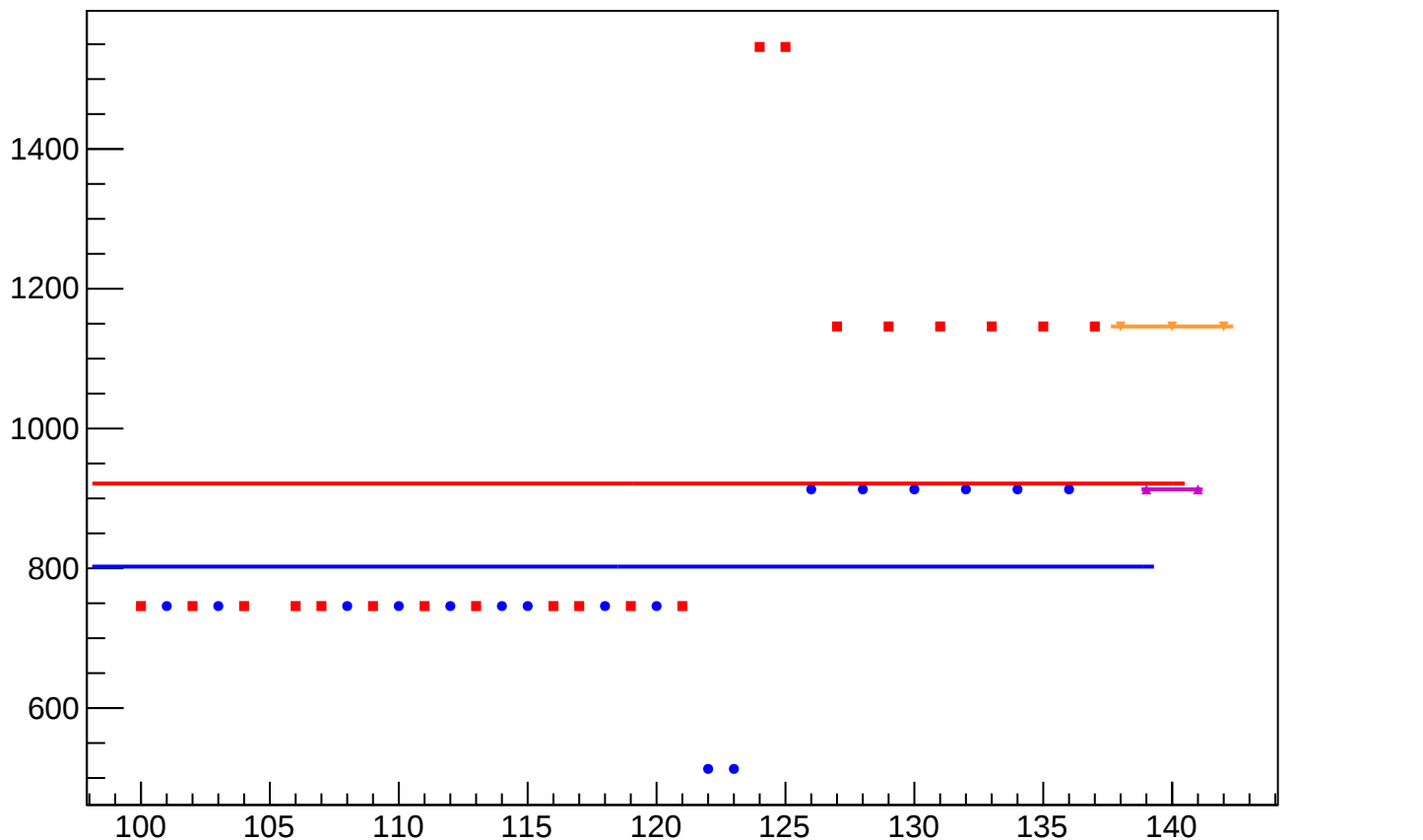
Right Out: 16.009+/-0.000 χ^2/NDF : 51711.4/19

Left In: 17.009+/-0.000 χ^2/NDF : 4291.4/1

16.390+/-0.000 χ^2/NDF : 211895439377074871

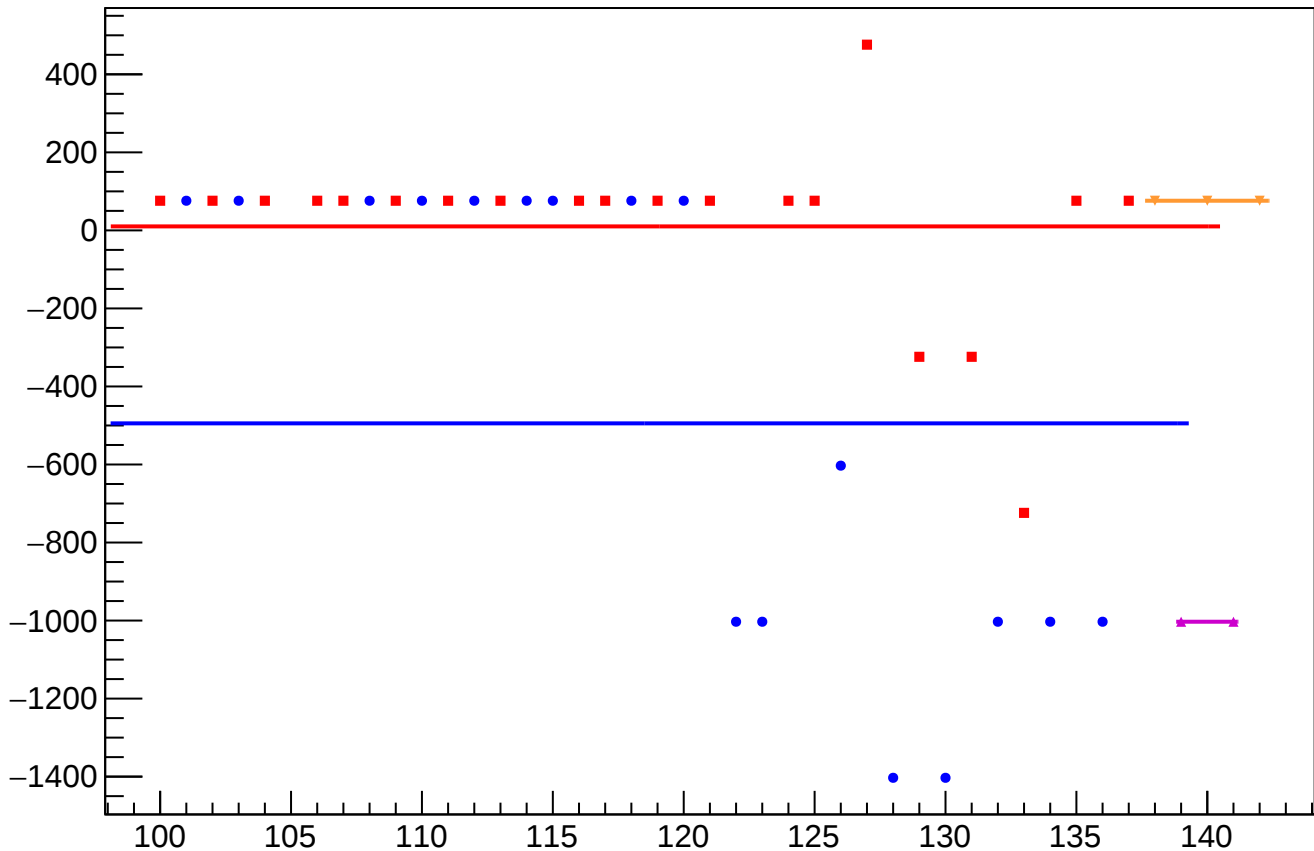
16.185+/-0.000 χ^2/NDF : 131126791620715288

RTPAPOSUCNT_mean vs Slug



Right In: 802.433+/-0.000 χ^2/NDF : 8518512859792873312396438277176950784.0/16
 Left Out: 1146.013+/-0.000 χ^2/NDF : 638462257491307519274909696.0/2
 Right Out: 921.400+/-0.000 χ^2/NDF : 44830922812168808267288896825047646208.0/19
 Left In: 912.991+/-0.000 χ^2/NDF : 1505350956392112619257856.0/1

RTPAPOSVCNT_mean vs Slug



Right In: -494.579+/-0.000 χ^2/NDF : 253199546676747861412476401848126799872.0/16
 Left Out: 76.010+/-0.000 χ^2/NDF : 113311259053043344866279424.0/2
 Right Out: 10.233+/-0.000 χ^2/NDF : 43963419681025124833204803444750155776.0/19
 Left In: -1002.990+/-0.000 χ^2/NDF : 81959313861254774184214528.0/1