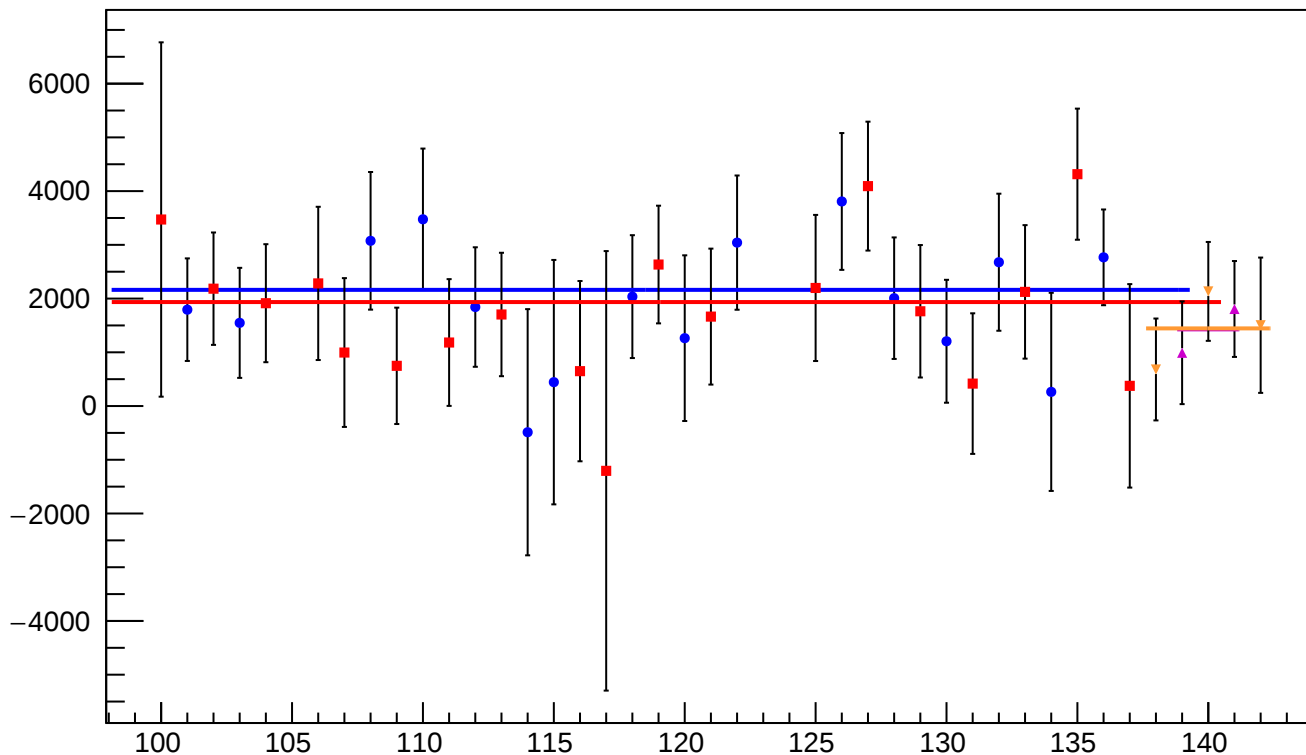


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1444.977+/-584.786

χ^2/NDF : 1.2/2

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 1426.698+/-652.256

χ^2/NDF : 0.4/1

2007.079+/-272.036

χ^2/NDF : 11.3/18

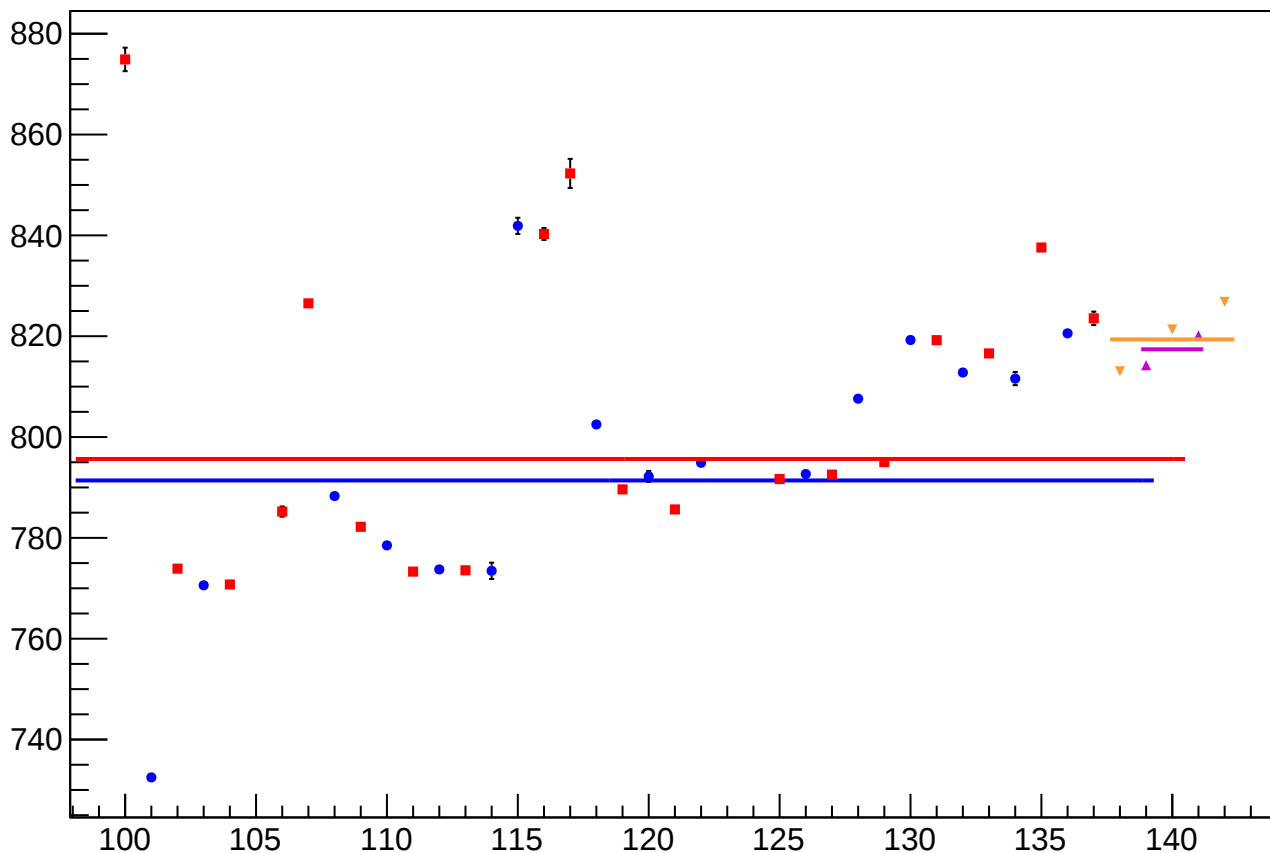
1926.896+/-192.481

χ^2/NDF : 25.6/39

1846.508+/-272.383

χ^2/NDF : 14.1/20

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

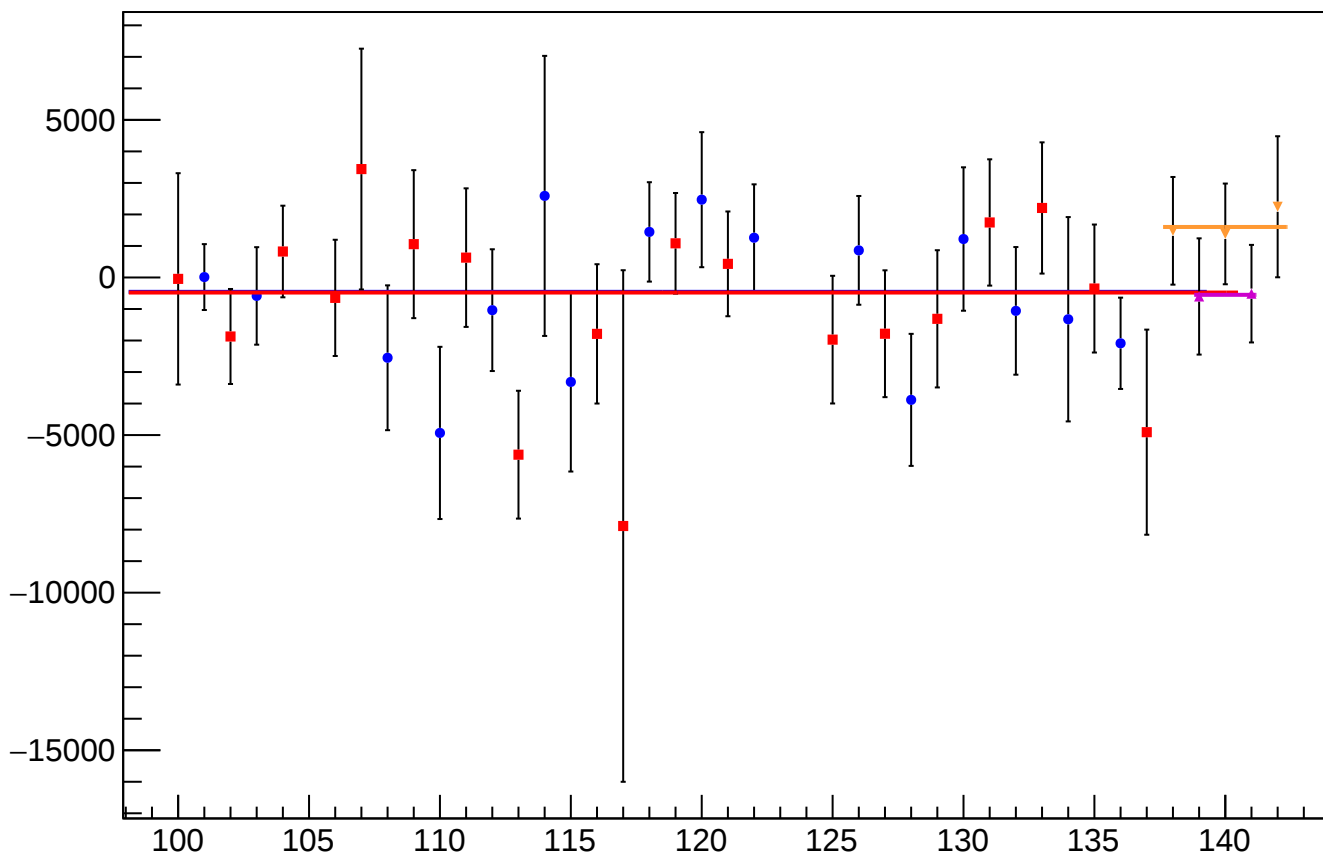
Left In: 817.404+/-0.461 χ^2/NDF : 40.9/1

797.444+/-0.192 χ^2/NDF : 18763.0/18

798.443+/-0.136 χ^2/NDF : 32639.9/39

799.444+/-0.193 χ^2/NDF : 13822.9/20

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

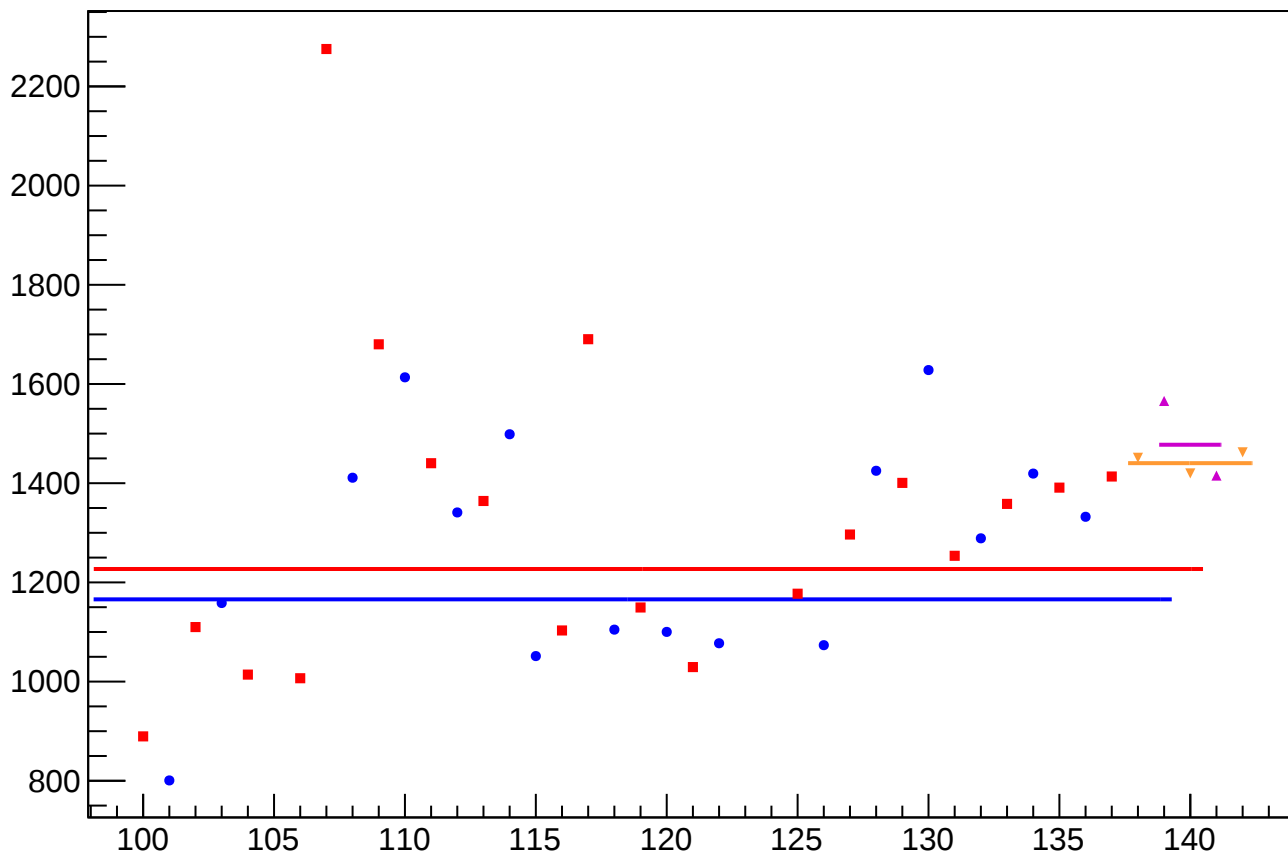
Left In: -550.266+/-1185.453 χ^2/NDF : 0.0/1

-110.697+/-423.545 χ^2/NDF : 18.3/18

-292.665+/-304.637 χ^2/NDF : 36.8/39

-487.699+/-438.487 χ^2/NDF : 18.2/20

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

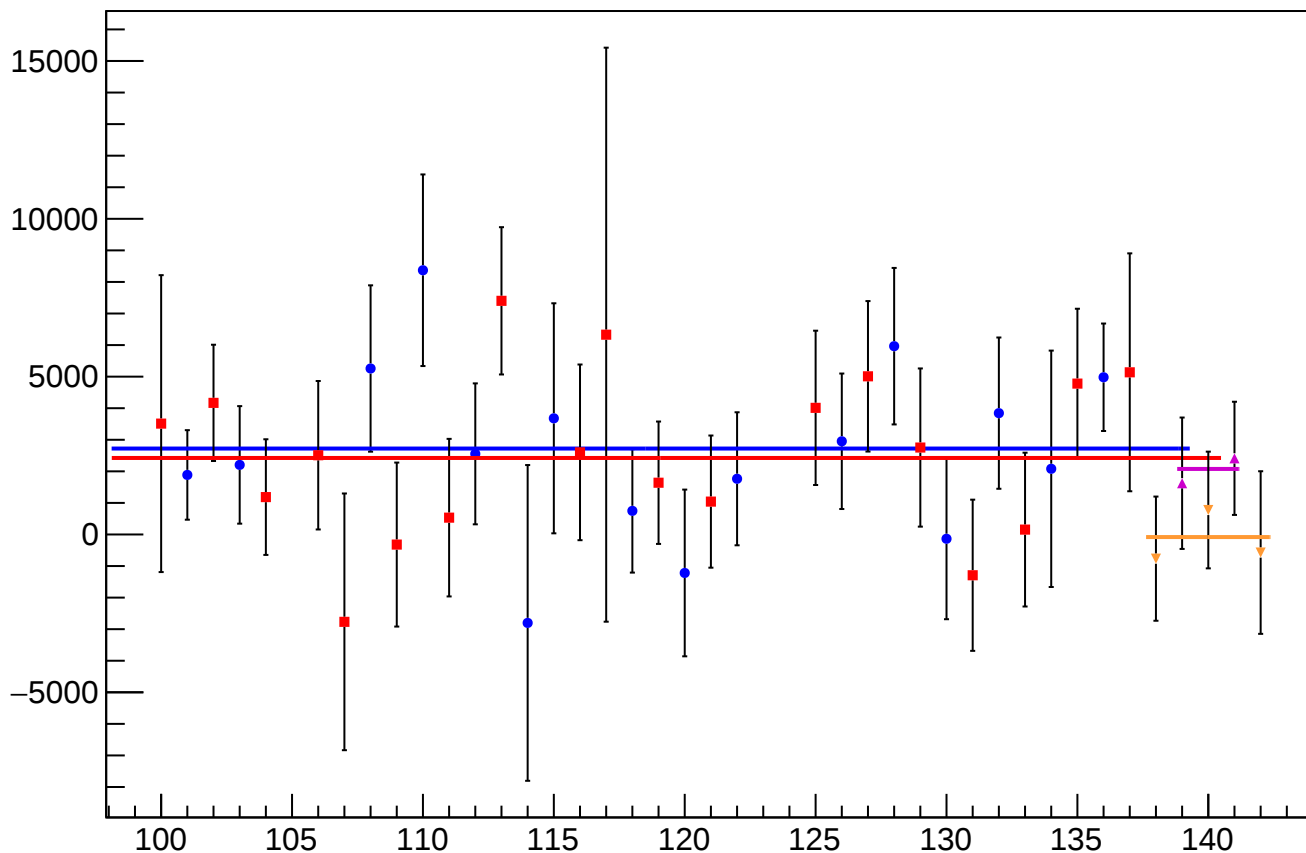
Left In: 1477.542 $\pm$ 0.838 χ^2 /NDF:7814.5/1

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

1235.710 $\pm$ 0.215 χ^2 /NDF: 1189736.8/39

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

asym_us_avg_mean vs Slug, Sign Corrected



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

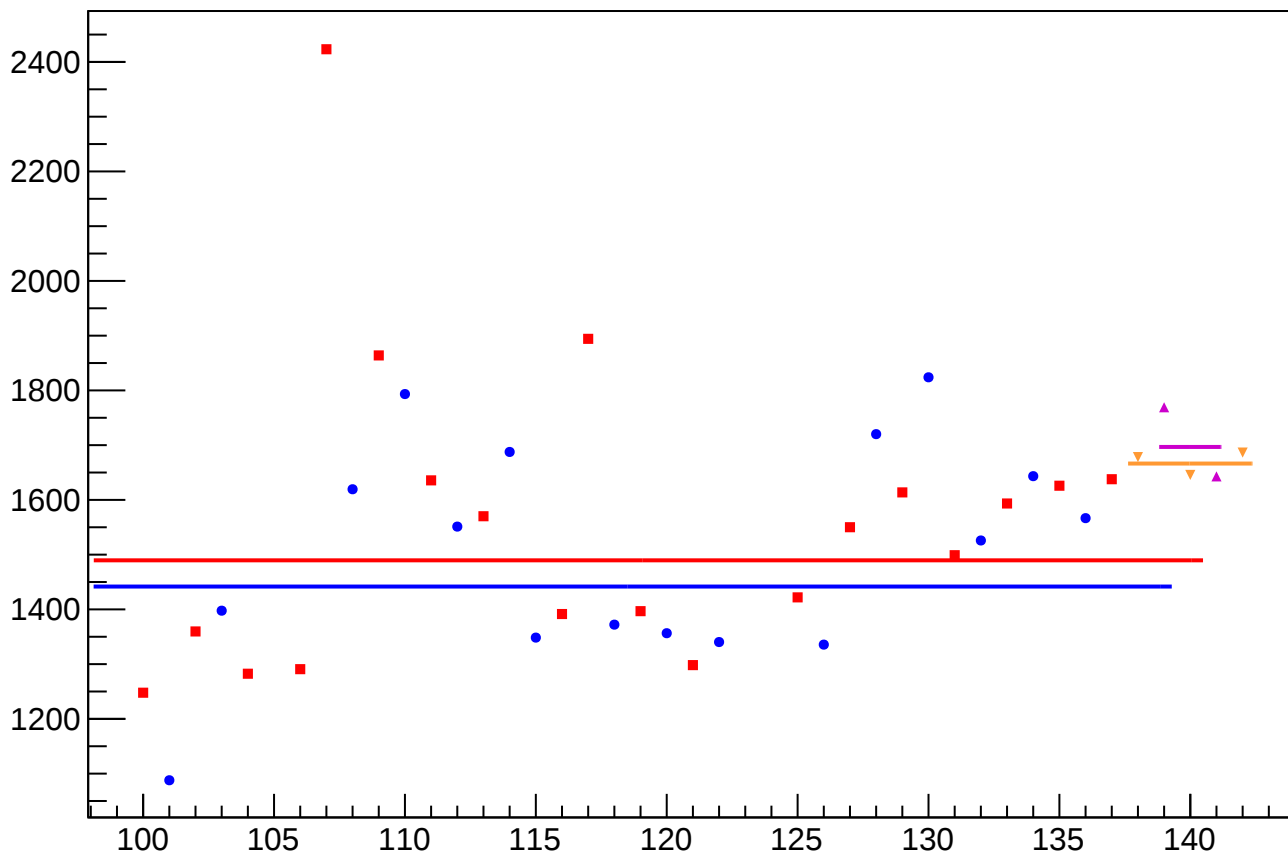
Left In: 2076.129+/-1358.304 χ^2/NDF : 0.1/1

2205.865+/-512.274 χ^2/NDF : 19.4/18

2287.076+/-366.281 χ^2/NDF : 36.1/39

2372.022+/-523.923 χ^2/NDF : 16.6/20

asym_us_avg_rms vs Slug, Sign Corrected



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

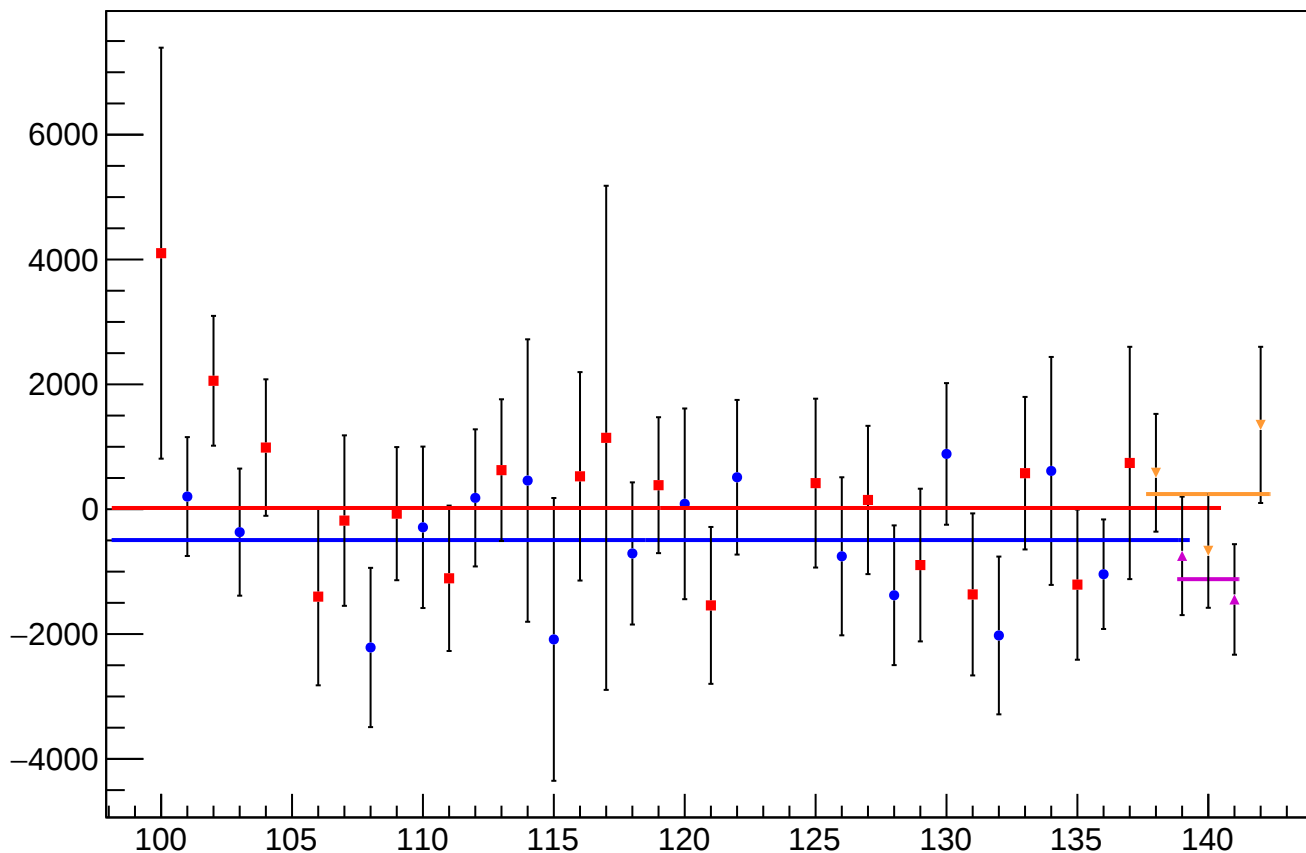
Left In: 1696.730 +/- 0.960 χ^2/NDF : 4225.5/1

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

1501.341 +/- 0.259 χ^2/NDF : 643266.3/39

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

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

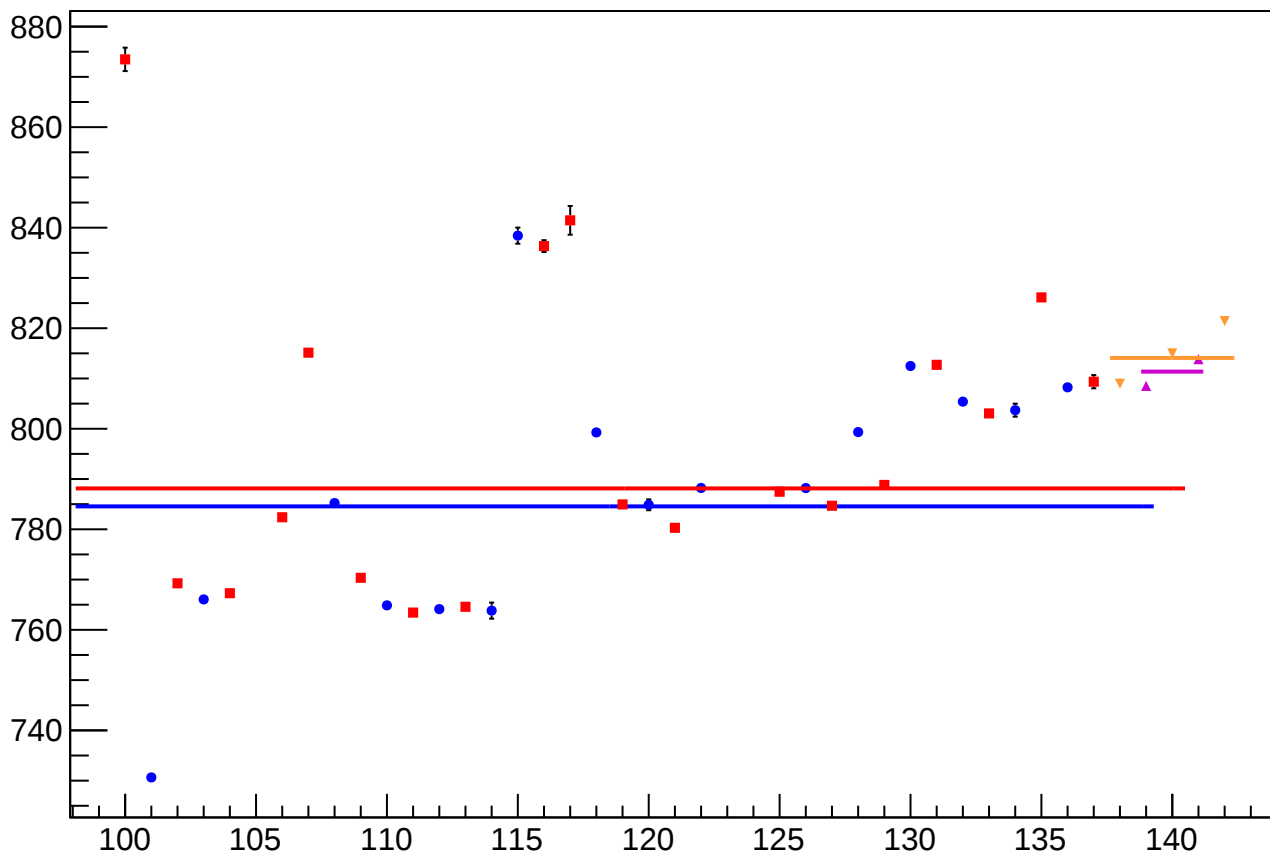
Left In: -1120.614+/-647.396 χ^2/NDF : 0.3/1

-335.266+/-269.803 χ^2/NDF : 11.8/18

-256.936+/-190.812 χ^2/NDF : 28.3/39

-178.553+/-269.896 χ^2/NDF : 16.3/20

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

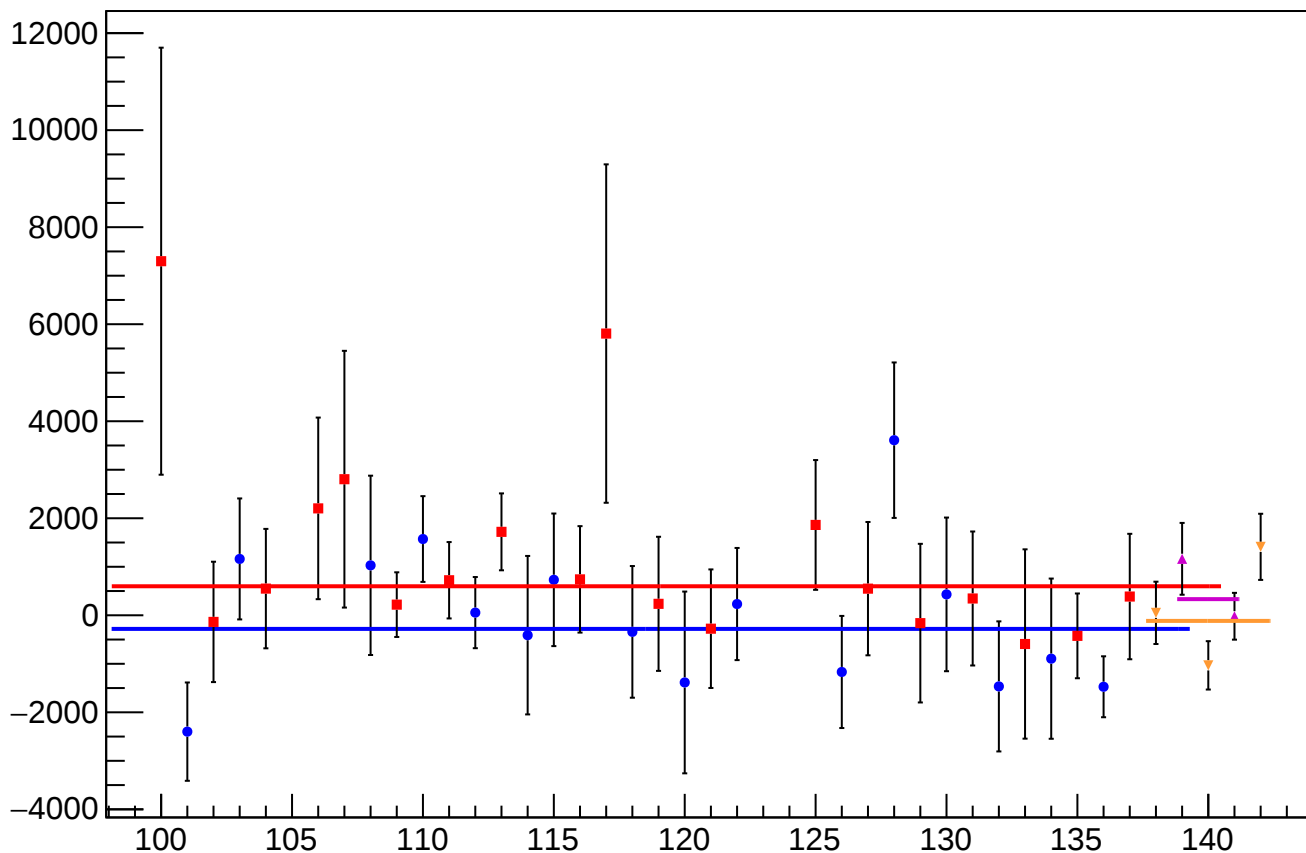
Left In: 811.369+/-0.458 χ^2/NDF : 33.6/1

790.926+/-0.191 χ^2/NDF : 17859.4/18

791.549+/-0.135 χ^2/NDF : 31302.4/39

792.172+/-0.191 χ^2/NDF : 13421.7/20

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

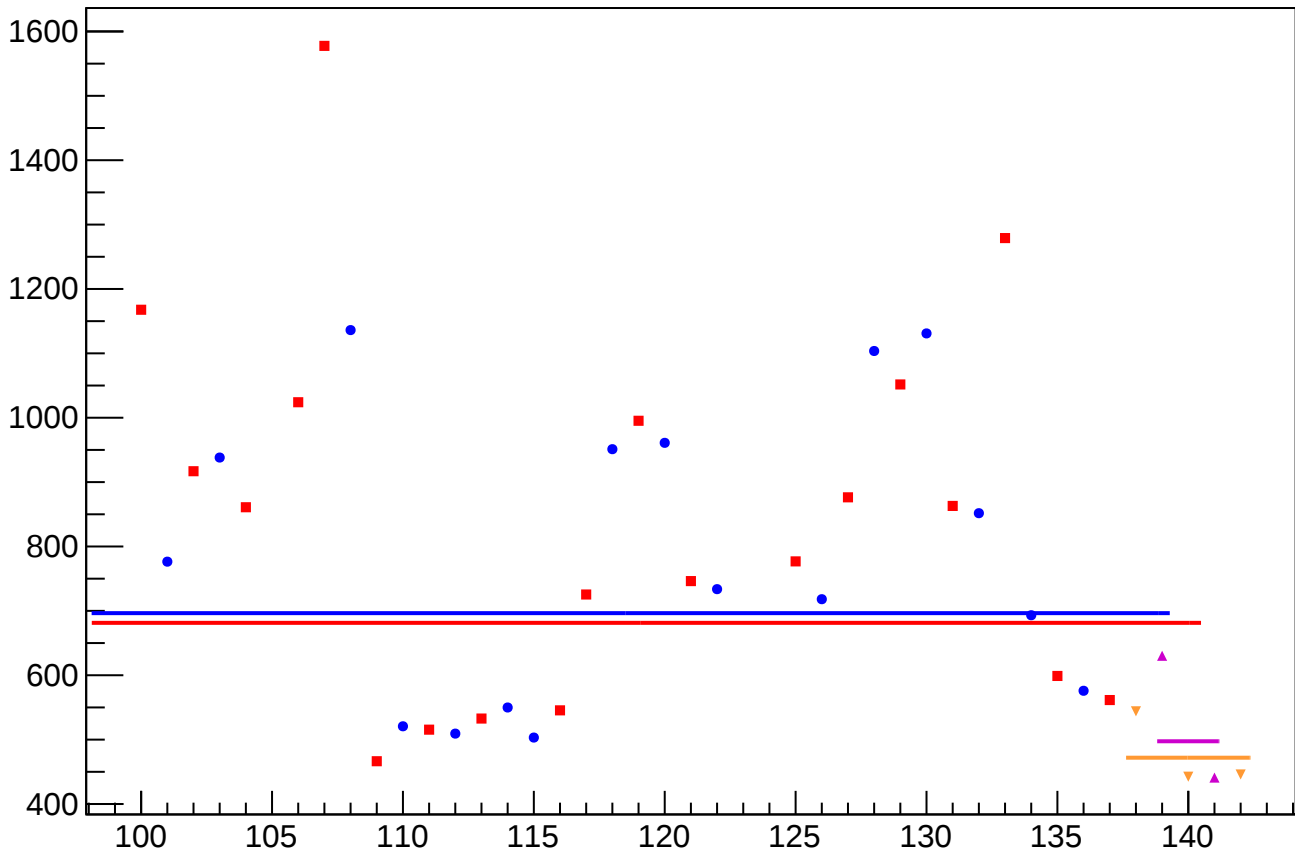
Left In: 332.909+/-404.088 χ^2/NDF : 1.8/1

-213.513+/-217.538 χ^2/NDF : 31.7/18

137.566+/-156.620 χ^2/NDF : 51.4/39

515.394+/-225.673 χ^2/NDF : 14.3/20

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

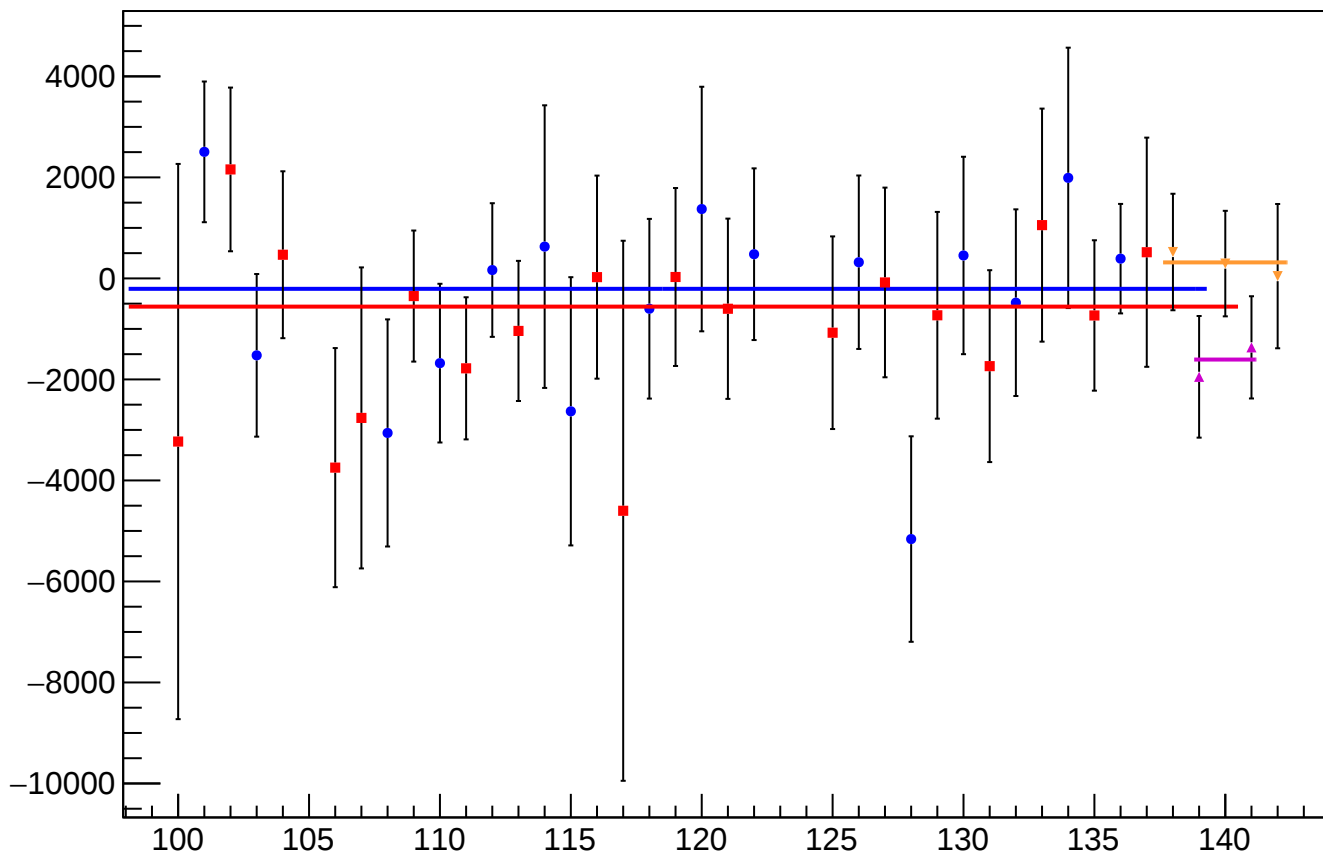
Left In: 497.439+/-0.286 χ^2/NDF : 91734.5/1

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

614.195+/-0.111 χ^2/NDF : 3246014.7/39

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

asym_us_dd_mean vs Slug, Sign Corrected



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

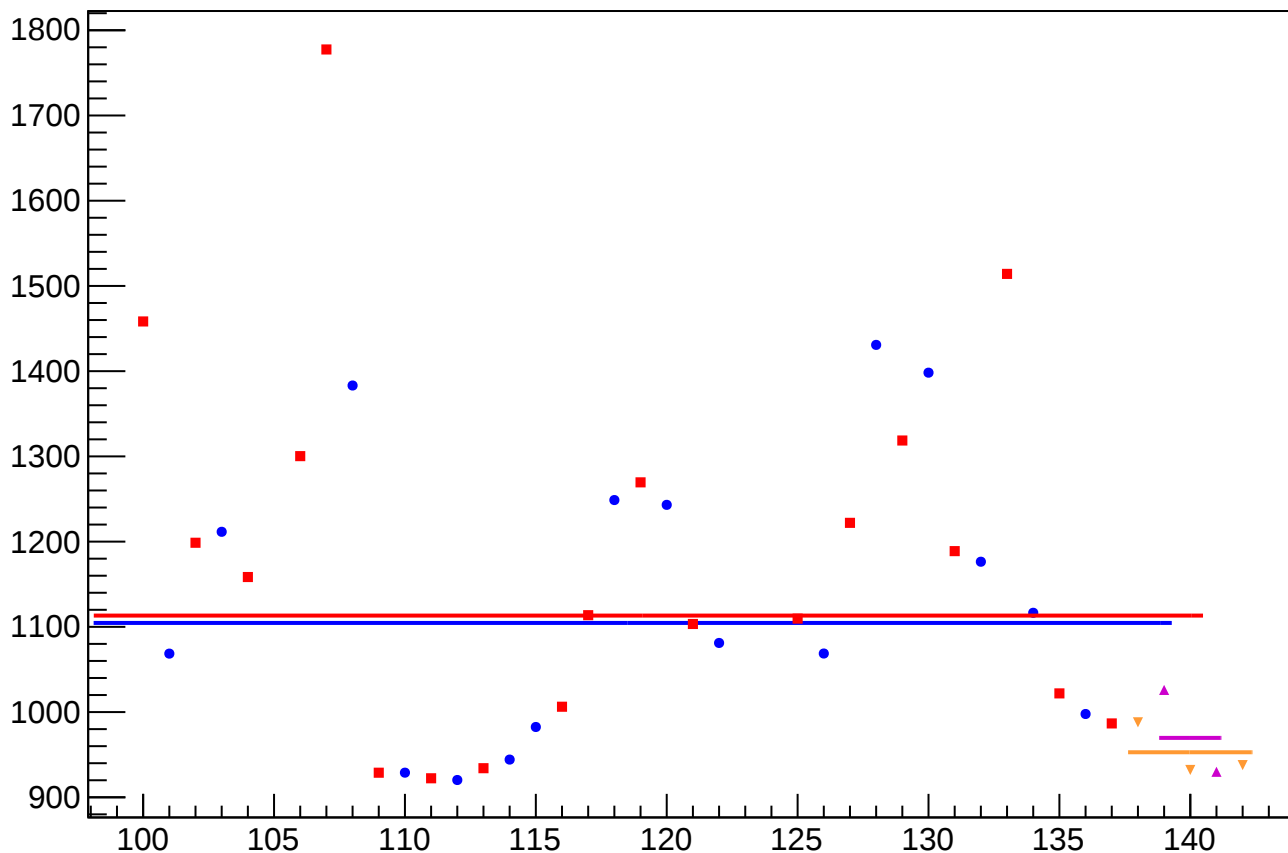
Left In: -1606.756 $\pm$ 774.797 χ^2/NDF : 0.1/1

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

-421.087 $\pm$ 261.218 χ^2/NDF : 28.6/39

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

asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

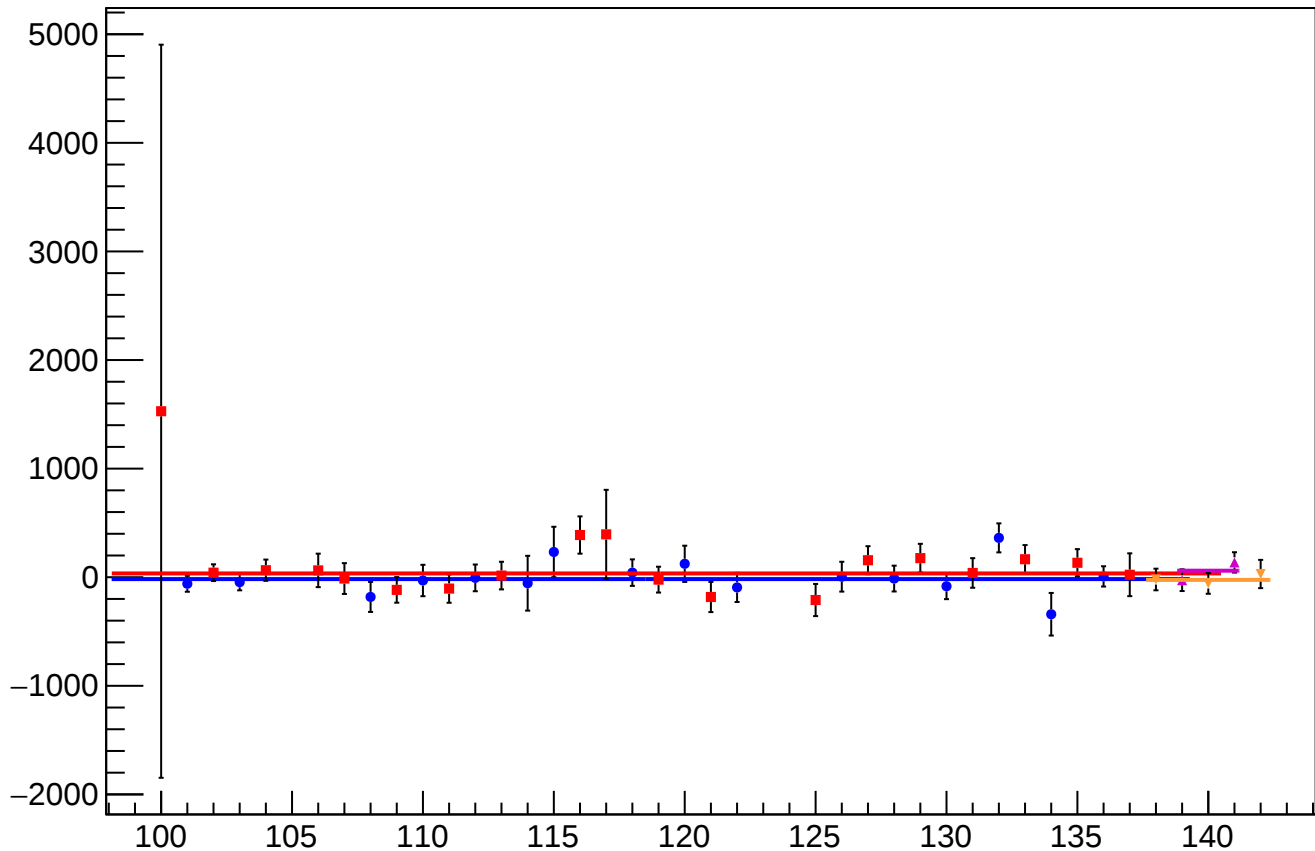
Left In: 969.711 $\pm$ 0.548 χ^2 /NDF: 7458.0/1

1060.767 $\pm$ 0.259 χ^2 /NDF: 329051.6/18

1070.160 $\pm$ 0.185 χ^2 /NDF: 754880.7/39

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

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

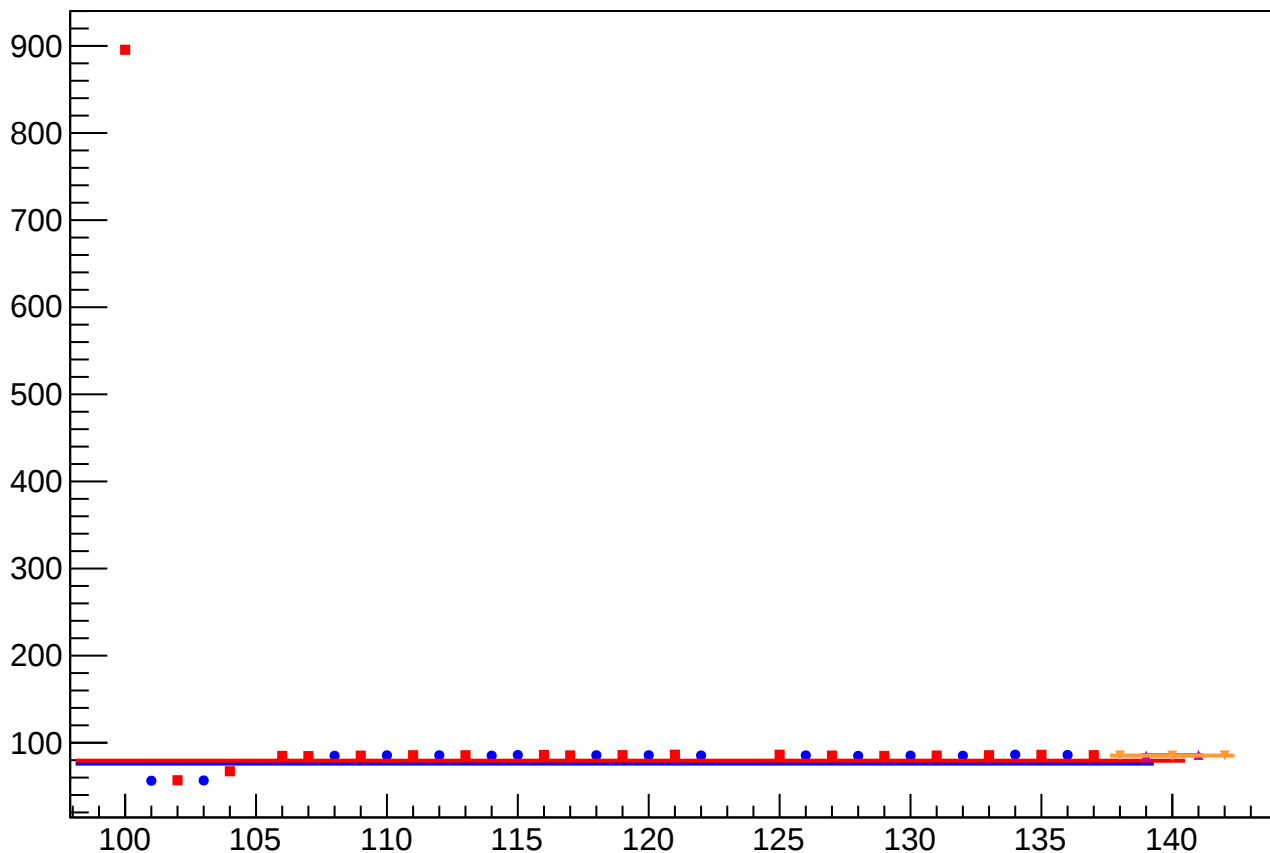
Left In: 60.096+/-68.369 χ^2/NDF : 1.4/1

-18.644+/-26.903 χ^2/NDF : 15.9/18

9.300+/-19.316 χ^2/NDF : 37.0/39

39.030+/-27.749 χ^2/NDF : 18.9/20

reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.079 $\pm$ 0.021 χ^2 /NDF: 409170.8/15

Left Out: 85.333 $\pm$ 0.043 χ^2 /NDF: 3.0/2

Right Out: 79.423 $\pm$ 0.021 χ^2 /NDF: 378959.4/18

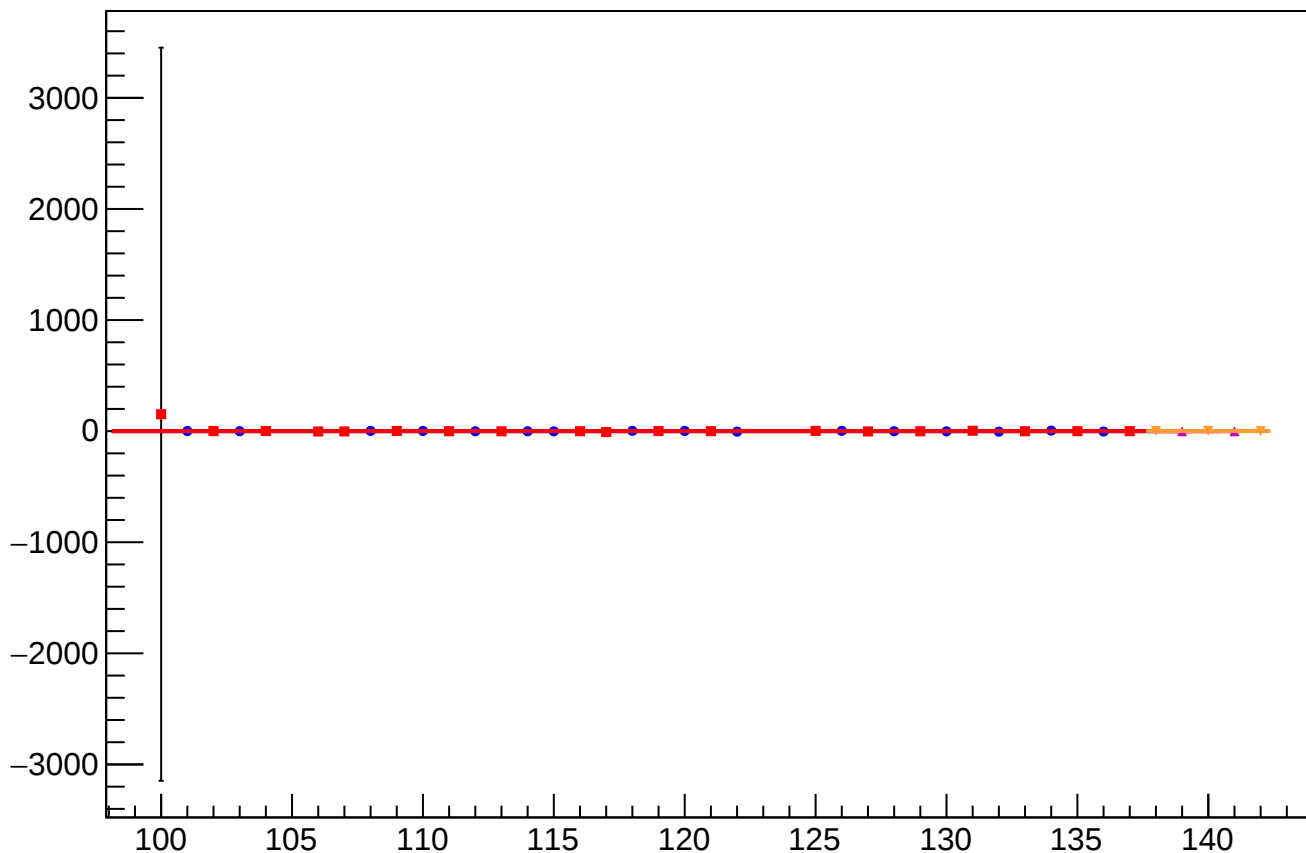
Left In: 85.684 $\pm$ 0.048 χ^2 /NDF: 63.5/1

77.885 $\pm$ 0.019 χ^2 /NDF: 446340.5/18

79.130 $\pm$ 0.014 χ^2 /NDF: 848212.1/39

80.454 $\pm$ 0.020 χ^2 /NDF: 393032.9/20

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

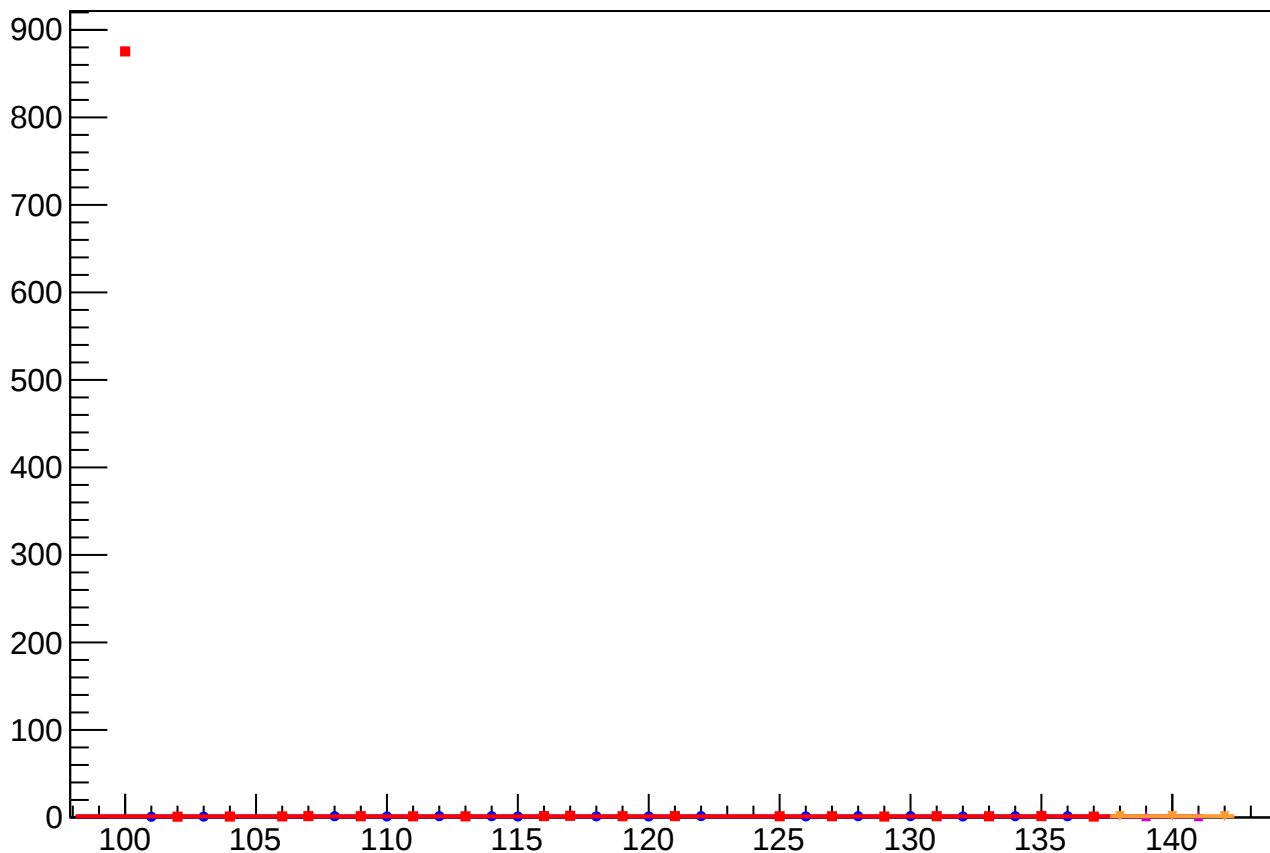
Left In: -0.210 ± 1.279 χ^2/NDF : 0.0/1

-0.044 ± 0.458 χ^2/NDF : 23.6/18

-0.016 ± 0.332 χ^2/NDF : 33.4/39

0.014 ± 0.481 χ^2/NDF : 9.8/20

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

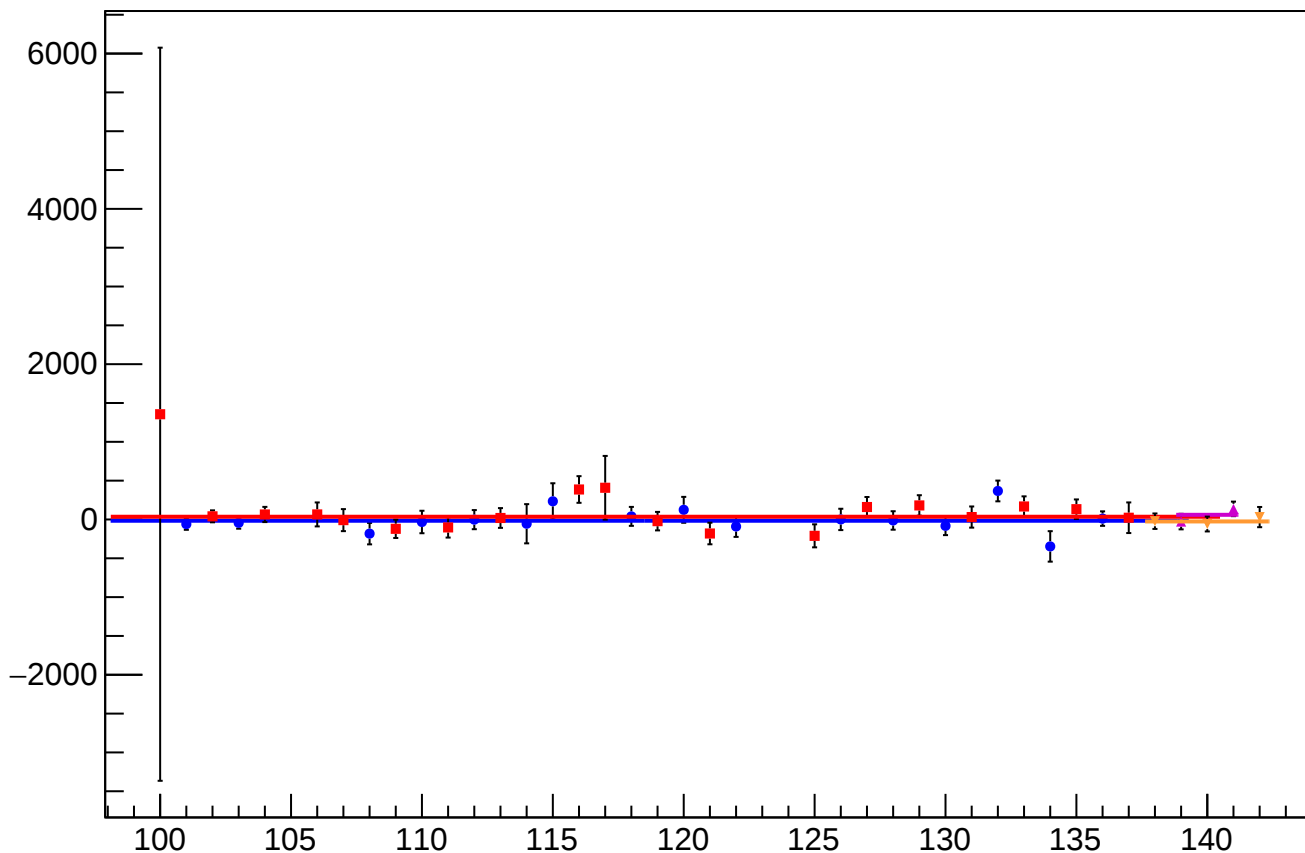
Left In: 1.503 $\pm$ 0.001 χ^2 /NDF: 210.4/1

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

1.244 $\pm$ 0.000 χ^2 /NDF: 1282994.1/39

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

asym_ds_avg_mean vs Slug, Sign Corrected



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

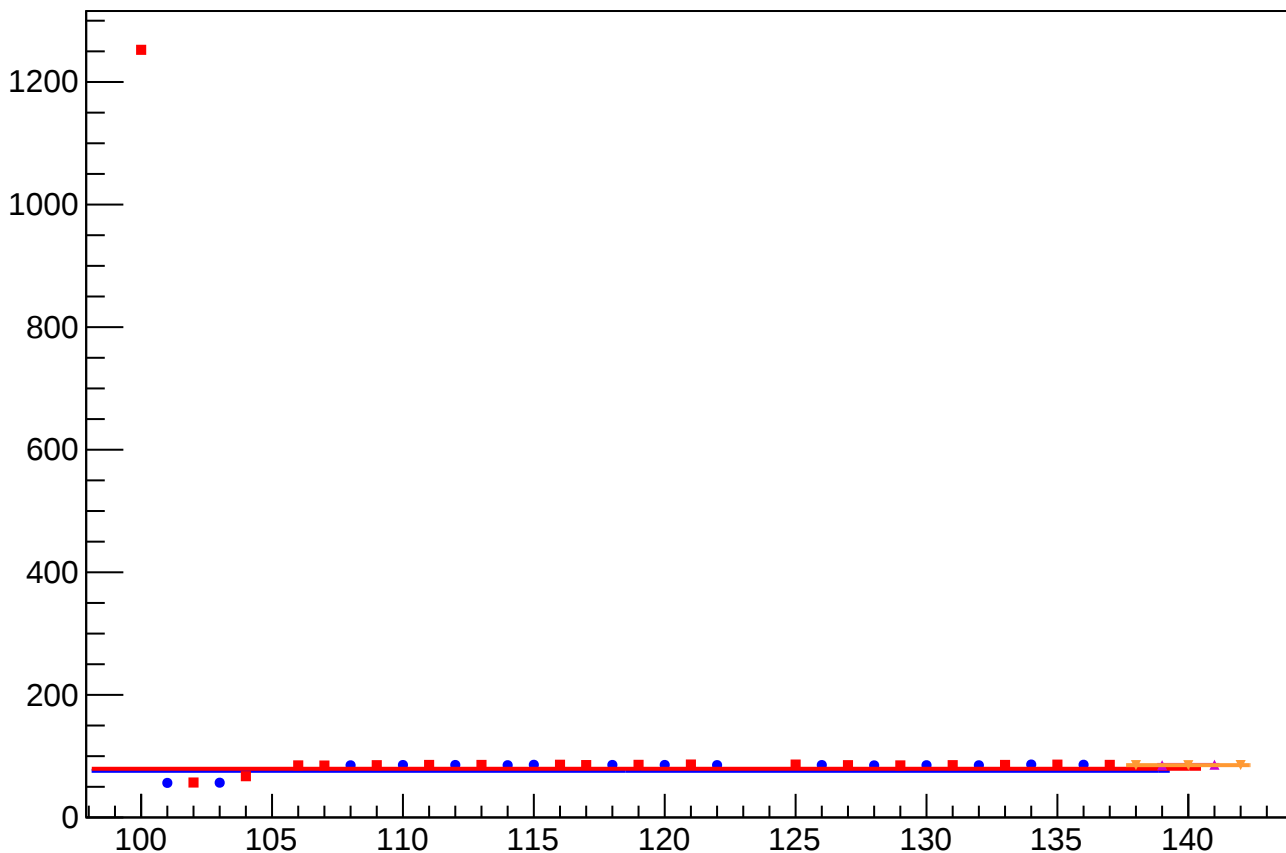
Left In: 60.014 ± 68.389 χ^2/NDF : 1.4/1

-18.087 ± 26.910 χ^2/NDF : 16.2/18

9.700 ± 19.321 χ^2/NDF : 37.3/39

39.264 ± 27.757 χ^2/NDF : 18.9/20

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.099 $\pm$ 0.021 χ^2/NDF : 409200.9/15

Left Out: 85.356 $\pm$ 0.043 χ^2/NDF : 3.0/2

Right Out: 79.426 $\pm$ 0.021 χ^2/NDF : 385484.8/18

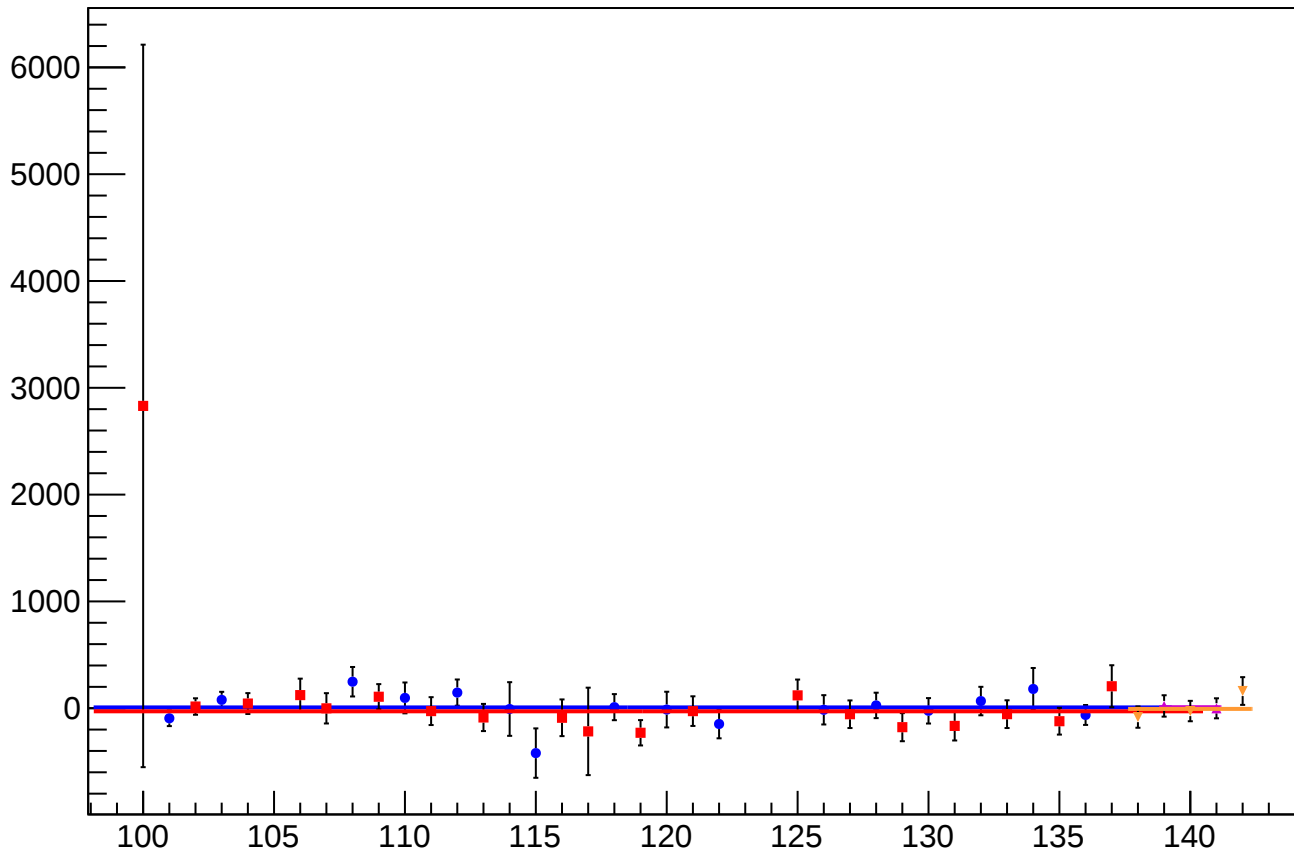
Left In: 85.708 $\pm$ 0.048 χ^2/NDF : 64.2/1

77.905 $\pm$ 0.019 χ^2/NDF : 446374.8/18

79.144 $\pm$ 0.014 χ^2/NDF : 854759.0/39

80.461 $\pm$ 0.020 χ^2/NDF : 399643.0/20

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: -6.427 $\pm$ 60.892 χ^2 /NDF: 2.3/2

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

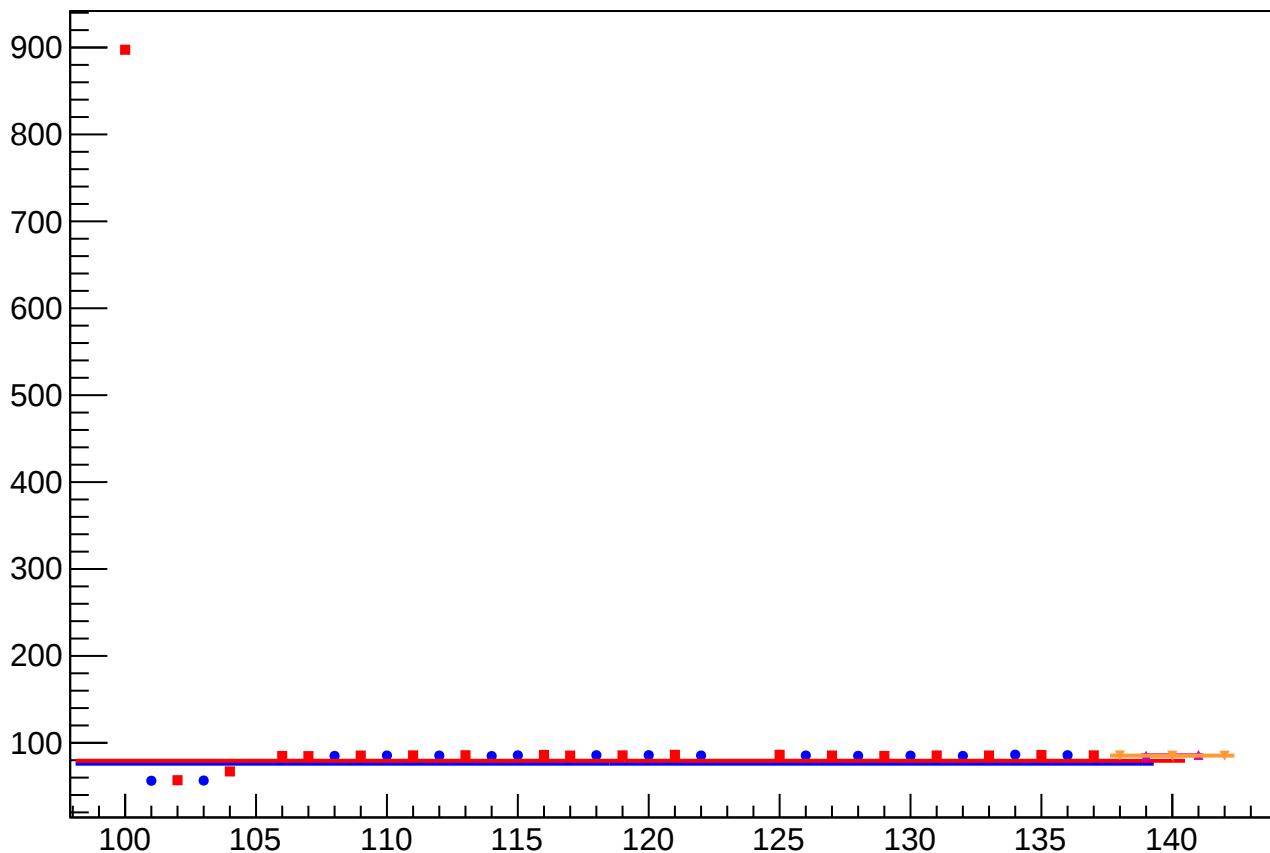
Left In: 9.446 $\pm$ 68.432 χ^2 /NDF: 0.0/1

4.752 $\pm$ 26.889 χ^2 /NDF: 16.3/18

-8.521 $\pm$ 19.307 χ^2 /NDF: 29.8/39

-22.648 $\pm$ 27.739 χ^2 /NDF: 13.0/20

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.322 $\pm$ 0.043 χ^2 /NDF: 6.8/2

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

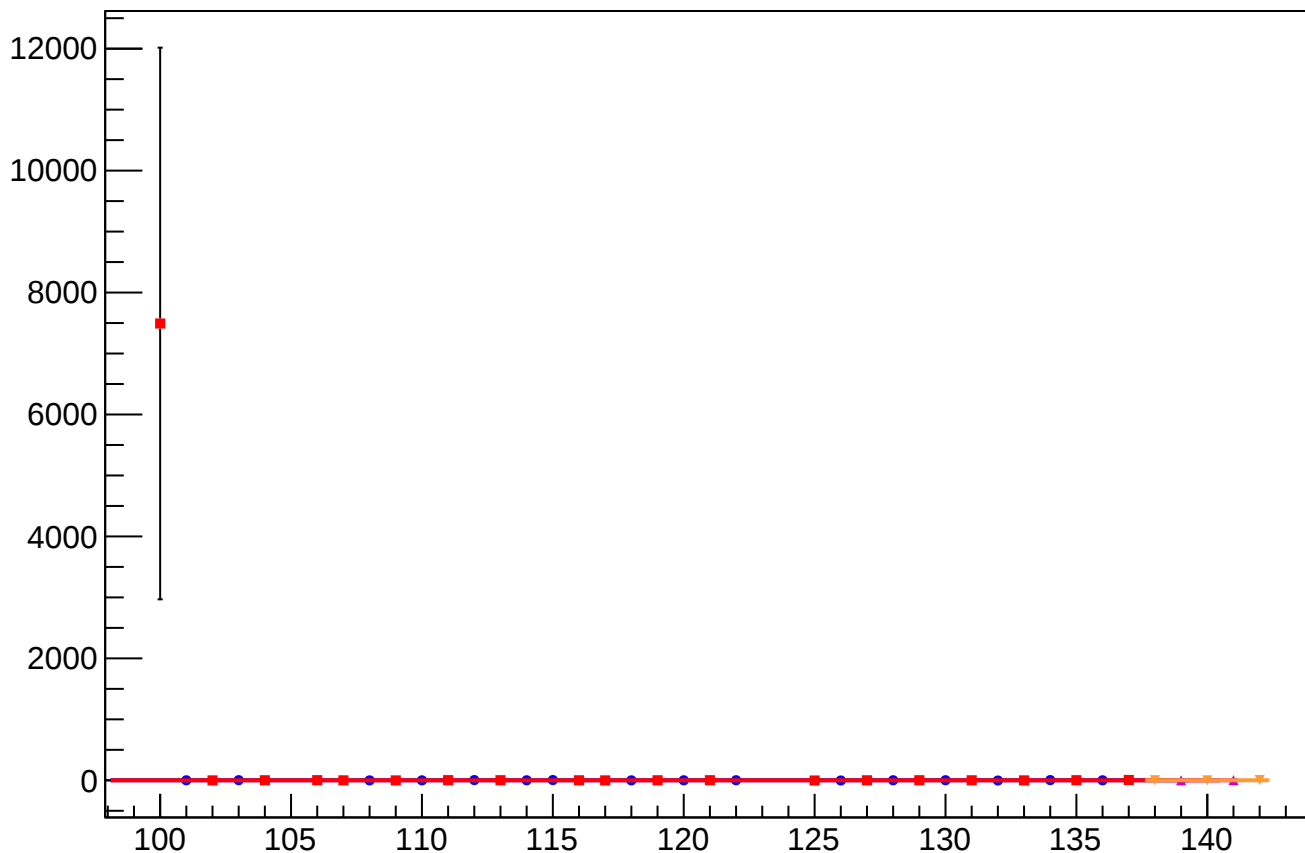
Left In: 85.762 $\pm$ 0.048 χ^2 /NDF: 69.5/1

77.843 $\pm$ 0.019 χ^2 /NDF: 446400.3/18

79.094 $\pm$ 0.014 χ^2 /NDF: 848752.4/39

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

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

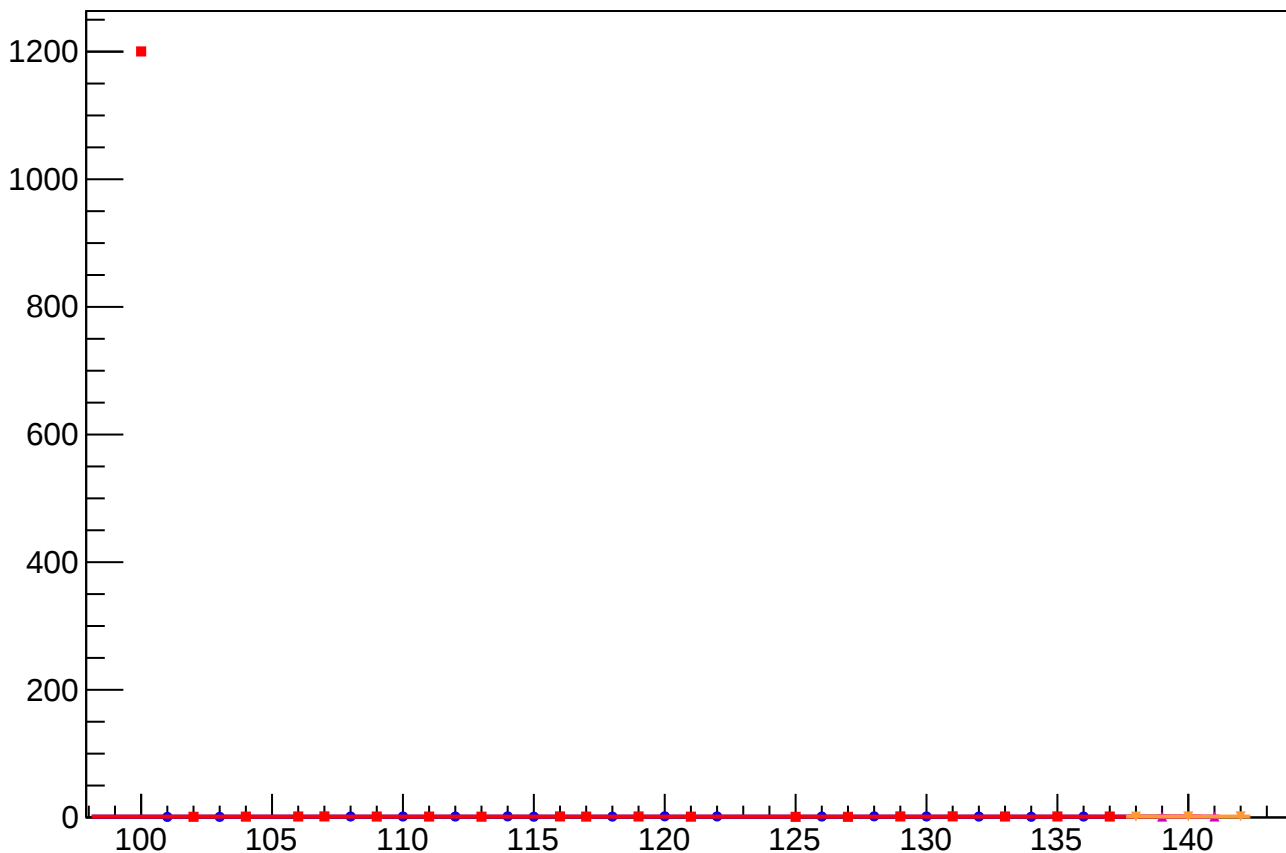
Left In: 1.130+/-1.253 χ^2/NDF : 0.9/1

0.900+/-0.480 χ^2/NDF : 14.1/18

0.678+/-0.347 χ^2/NDF : 28.5/39

0.436+/-0.501 χ^2/NDF : 13.9/20

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

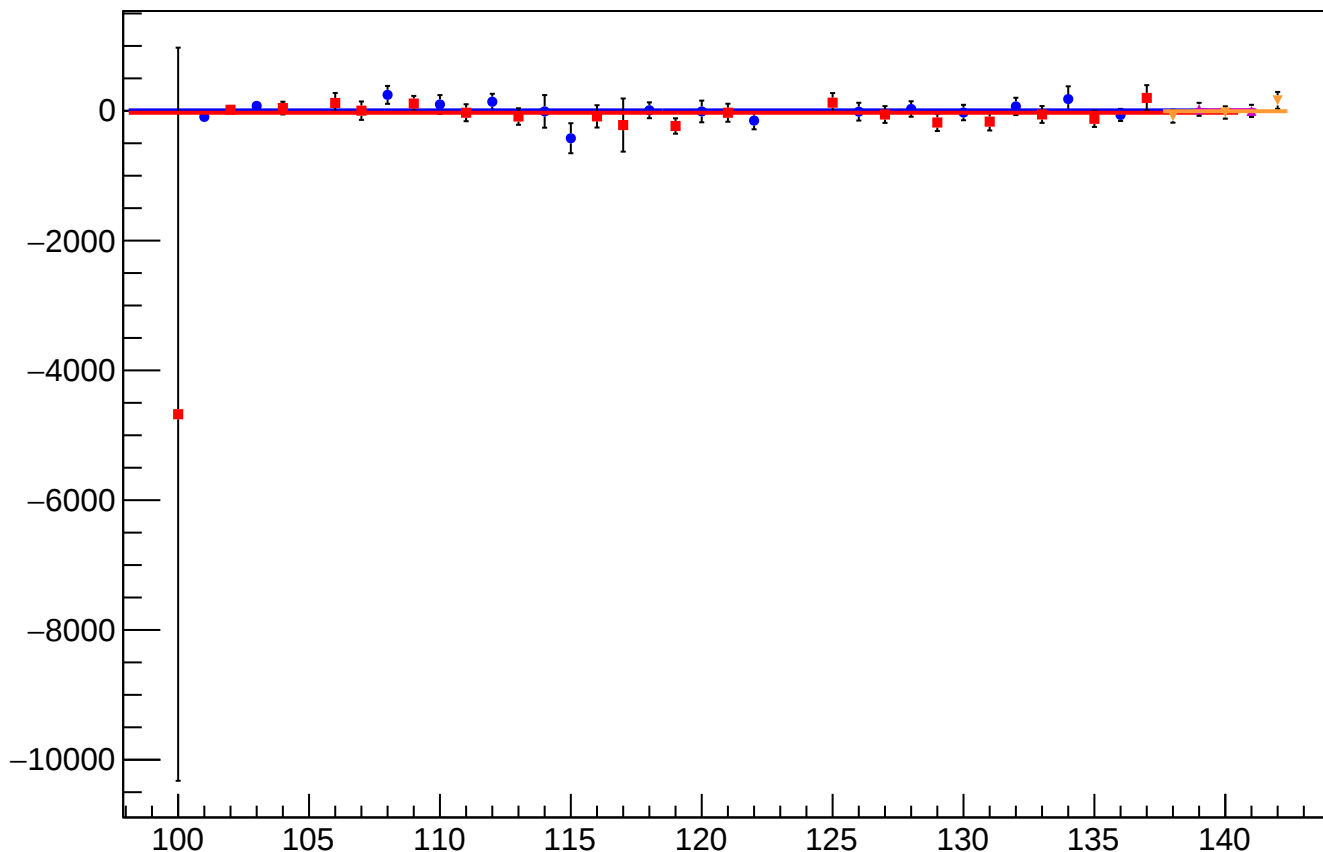
Left In: 1.473 $\pm$ 0.001 χ^2 /NDF: 5480.3/1

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

1.308 $\pm$ 0.000 χ^2 /NDF: 1338118.5/39

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

asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.781 ± 29.977 $\chi^2/\text{NDF}: 13.8/15$

Left Out: -6.029 ± 60.909 $\chi^2/\text{NDF}: 2.3/2$

Right Out: -29.600 ± 30.353 $\chi^2/\text{NDF}: 12.9/18$

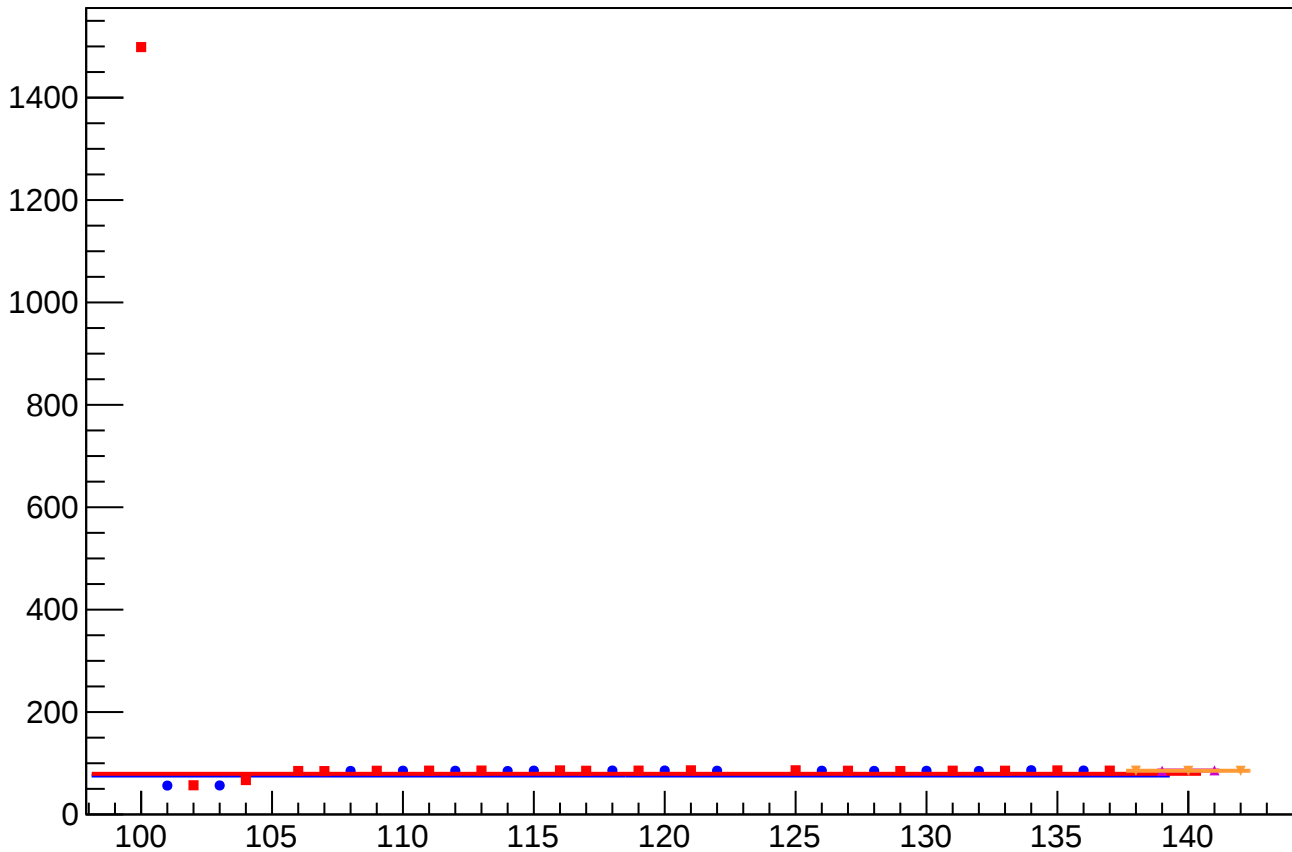
Left In: 10.319 ± 68.451 $\chi^2/\text{NDF}: 0.0/1$

4.283 ± 26.896 $\chi^2/\text{NDF}: 16.2/18$

-8.953 ± 19.312 $\chi^2/\text{NDF}: 29.9/39$

-23.040 ± 27.747 $\chi^2/\text{NDF}: 13.2/20$

asym_ds_dd_rms vs Slug, Sign Corrected



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

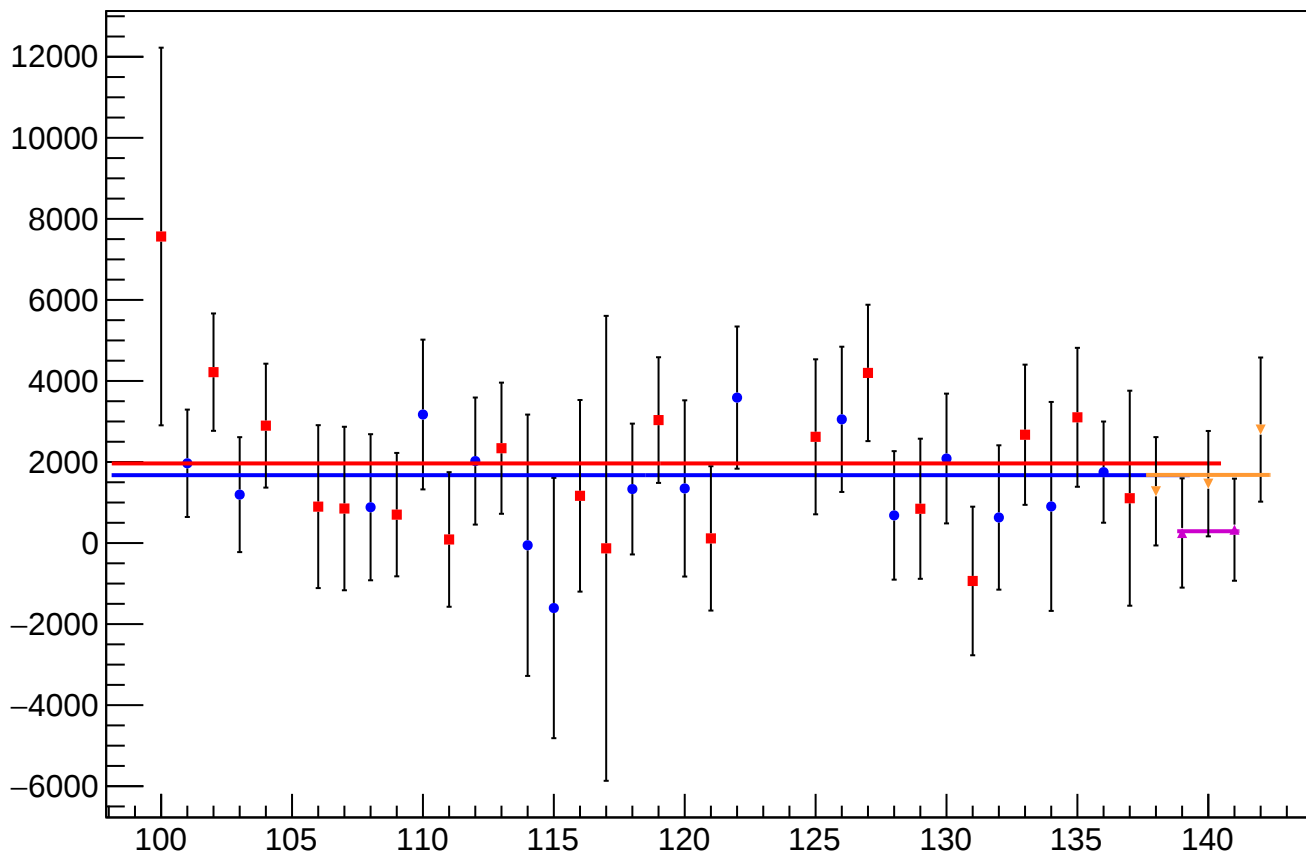
Left In: 85.786 $\pm$ 0.048 χ^2 /NDF: 69.5/1

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

79.105 $\pm$ 0.014 χ^2 /NDF: 858042.4/39

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

reg_asym_usl_mean vs Slug, Sign Corrected



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

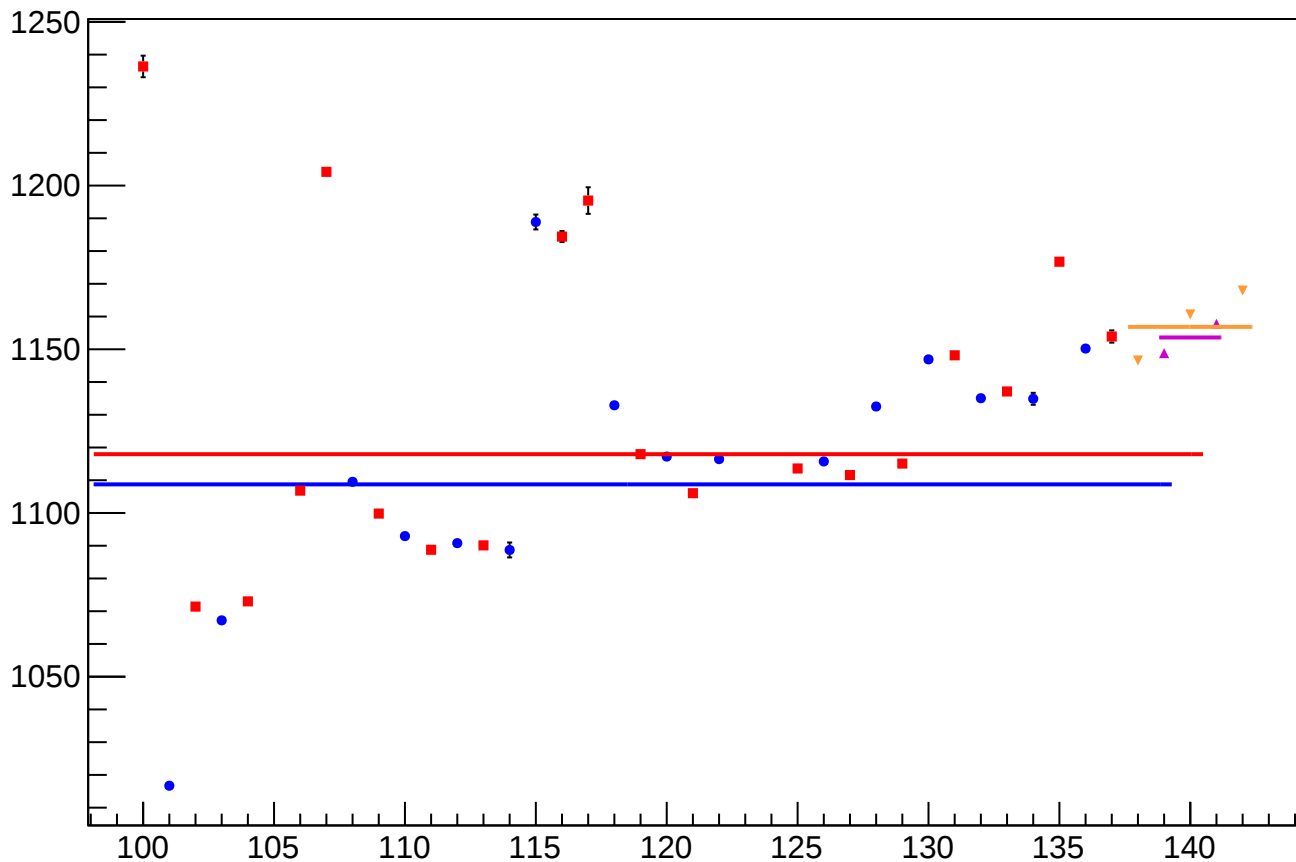
Left In: 291.722 $\pm$ 920.492 χ^2 /NDF: 0.0/1

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

1675.771 $\pm$ 270.414 χ^2 /NDF: 22.5/39

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

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1156.845 $\pm$ 0.584 χ^2 /NDF: 212.9/2

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

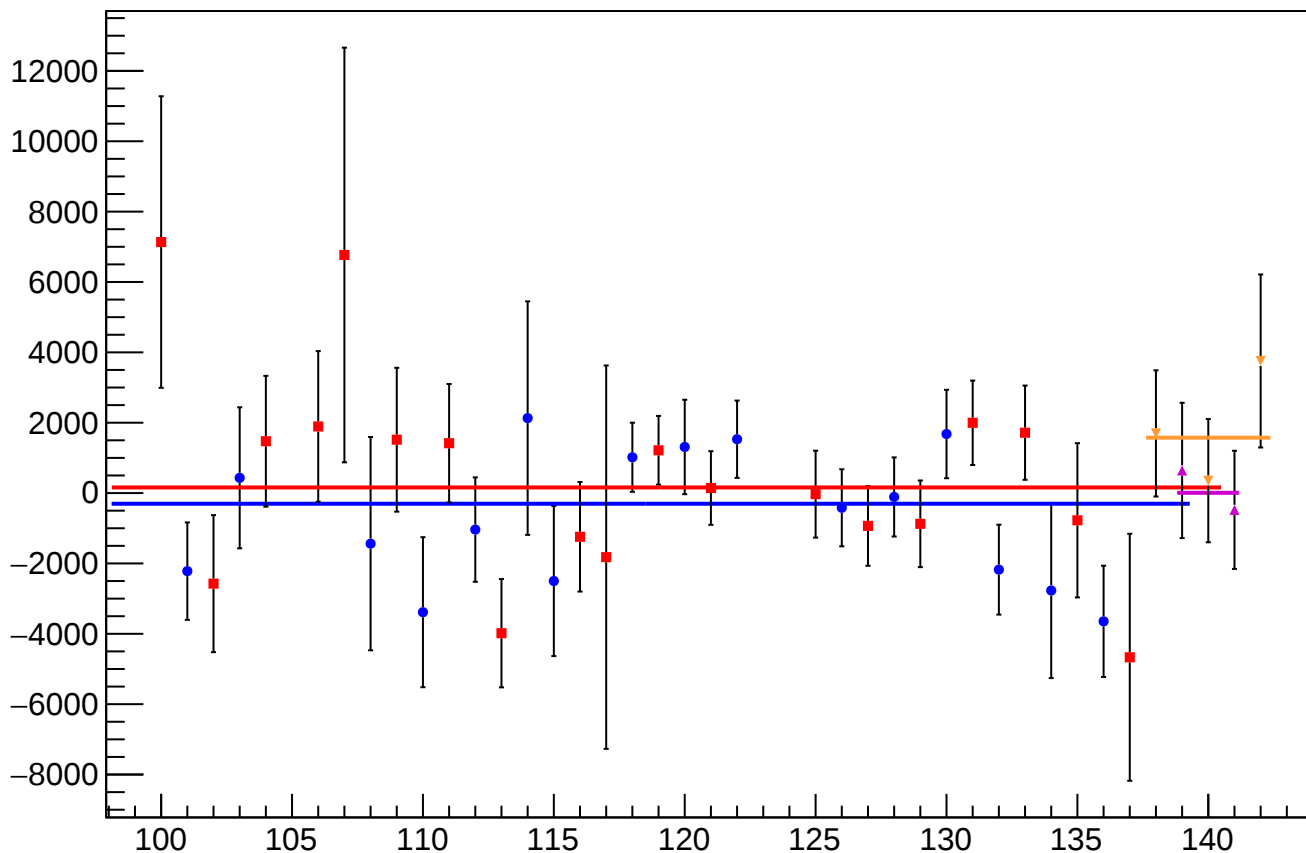
Left In: 1153.605 $\pm$ 0.651 χ^2 /NDF: 47.1/1

1119.026 $\pm$ 0.270 χ^2 /NDF: 23631.4/18

1121.571 $\pm$ 0.191 χ^2 /NDF: 42218.4/39

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

asym_usl_correction_mean vs Slug, Sign Corrected



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

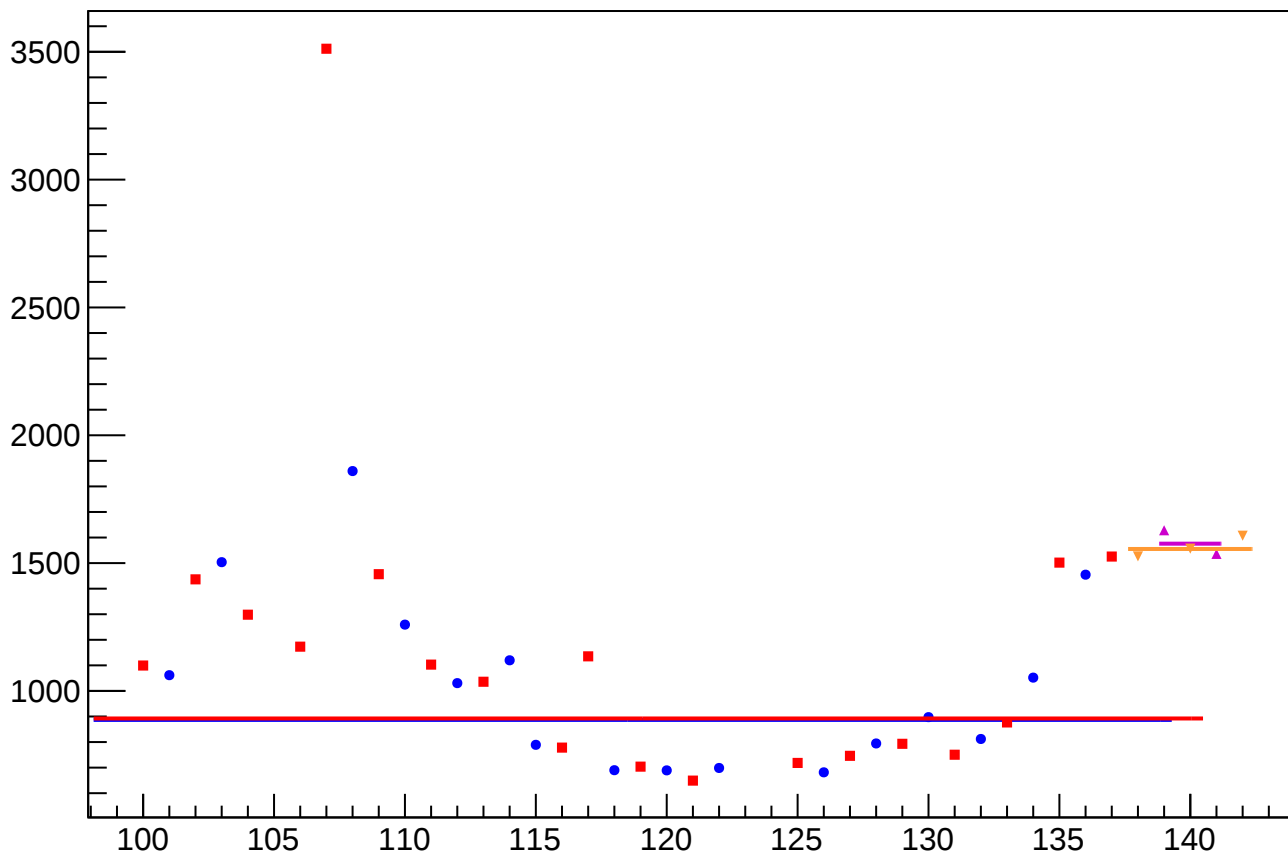
Left In: 7.805+/-1264.672 χ^2/NDF : 0.2/1

-126.383+/-342.685 χ^2/NDF : 26.1/18

11.599+/-242.149 χ^2/NDF : 51.7/39

149.204+/-342.216 χ^2/NDF : 25.2/20

asym_usl_correction_rms vs Slug, Sign Corrected



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

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

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

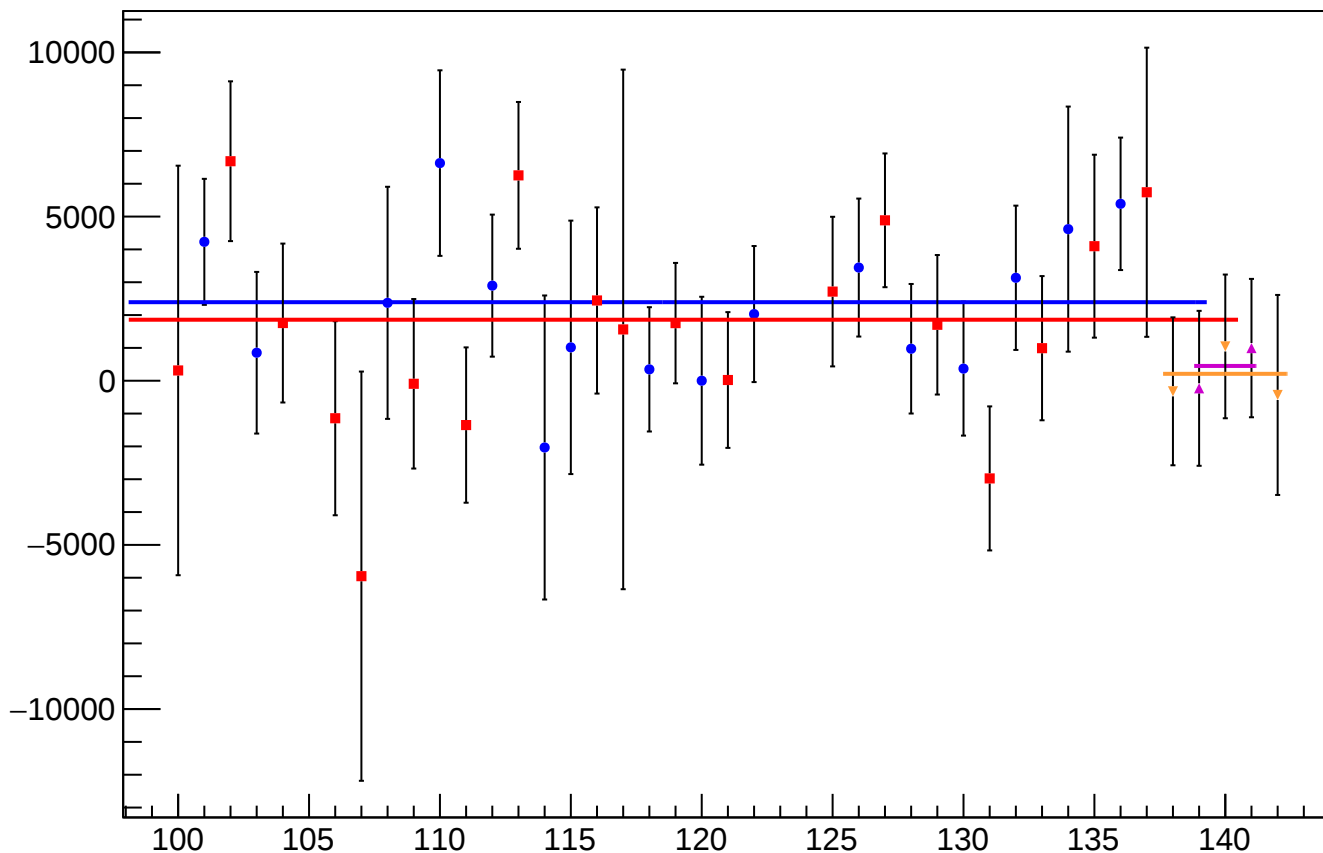
Left In: 1576.035+/-0.894 χ^2/NDF : 2623.1/1

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

945.992+/-0.171 χ^2/NDF : 3675194.8/39

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

asym_usl_mean vs Slug, Sign Corrected



Right In: 2392.385 $\pm$ 588.991 χ^2 /NDF: 11.2/15

Left Out: 210.492 $\pm$ 1395.362 χ^2 /NDF: 0.2/2

Right Out: 1858.263 $\pm$ 581.542 χ^2 /NDF: 22.5/18

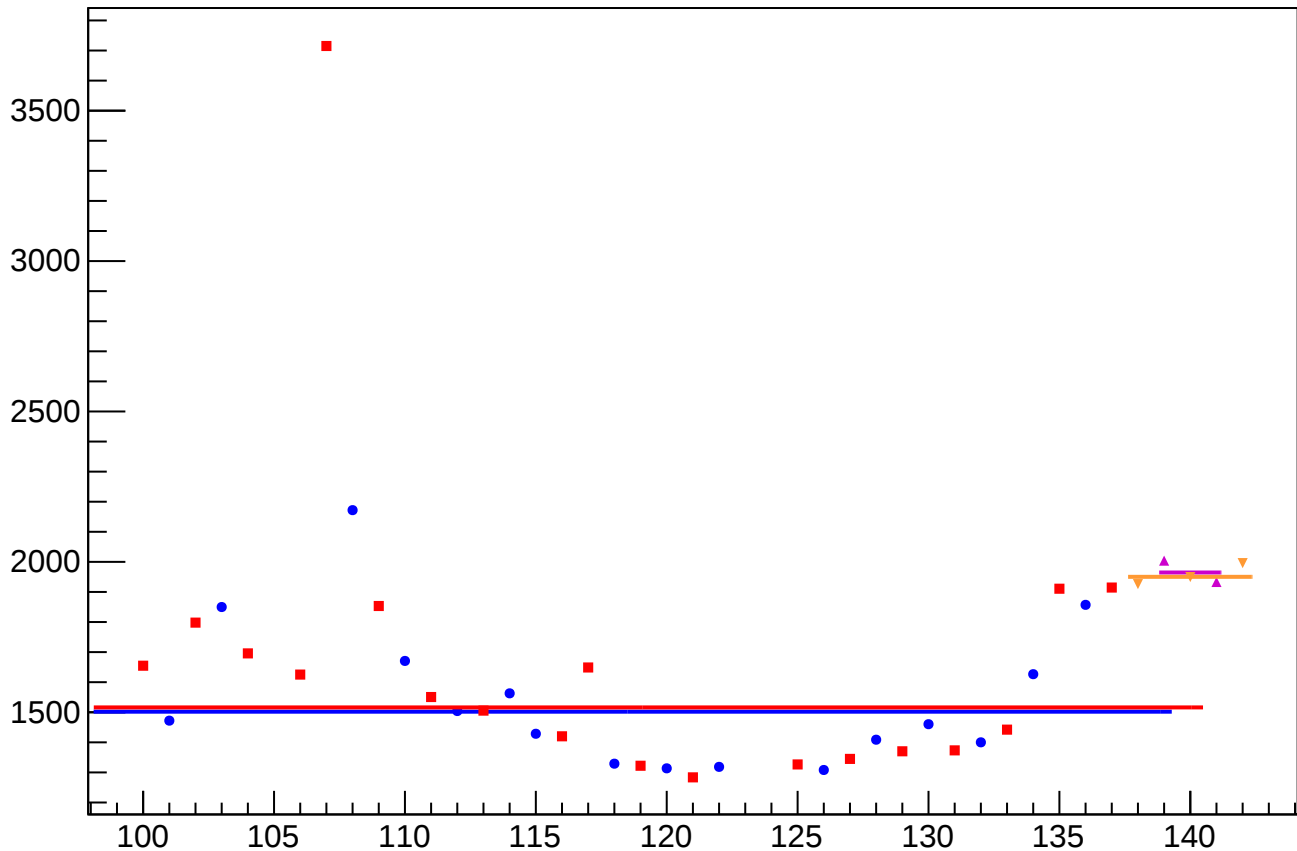
Left In: 450.491 $\pm$ 1571.806 χ^2 /NDF: 0.2/1

2062.420 $\pm$ 542.630 χ^2 /NDF: 13.5/18

1876.544 $\pm$ 384.676 χ^2 /NDF: 37.1/39

1688.759 $\pm$ 545.409 χ^2 /NDF: 23.4/20

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1950.273+/-0.987 χ^2/NDF : 678.9/2

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

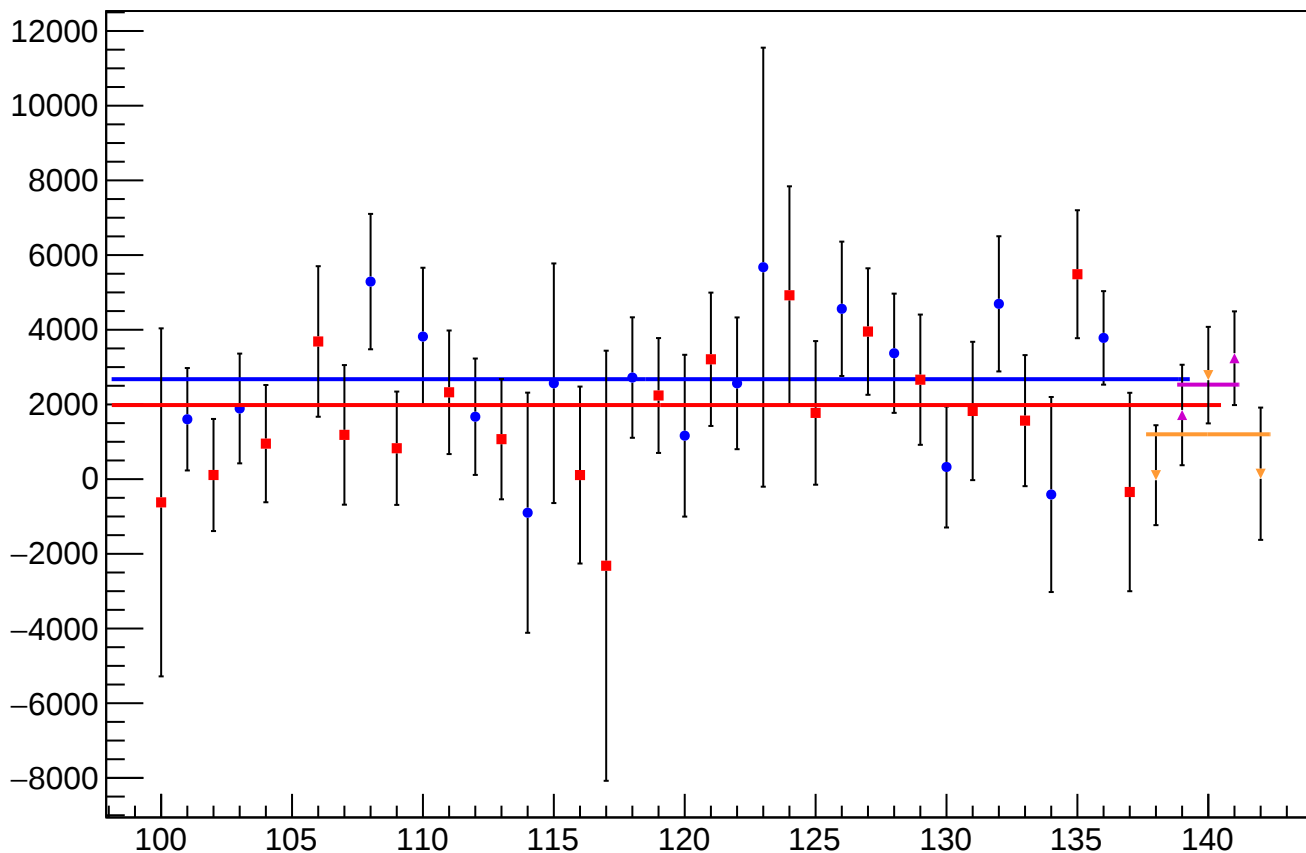
Left In: 1964.625+/-1.111 χ^2/NDF : 1006.0/1

1569.738+/-0.384 χ^2/NDF : 430477.5/18

1569.932+/-0.272 χ^2/NDF : 1055040.6/39

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

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2676.683 $\pm$ 433.582 χ^2 /NDF: 12.6/16

Left Out: 1200.885 $\pm$ 823.051 χ^2 /NDF: 2.5/2

Right Out: 1983.779 $\pm$ 418.059 χ^2 /NDF: 13.4/19

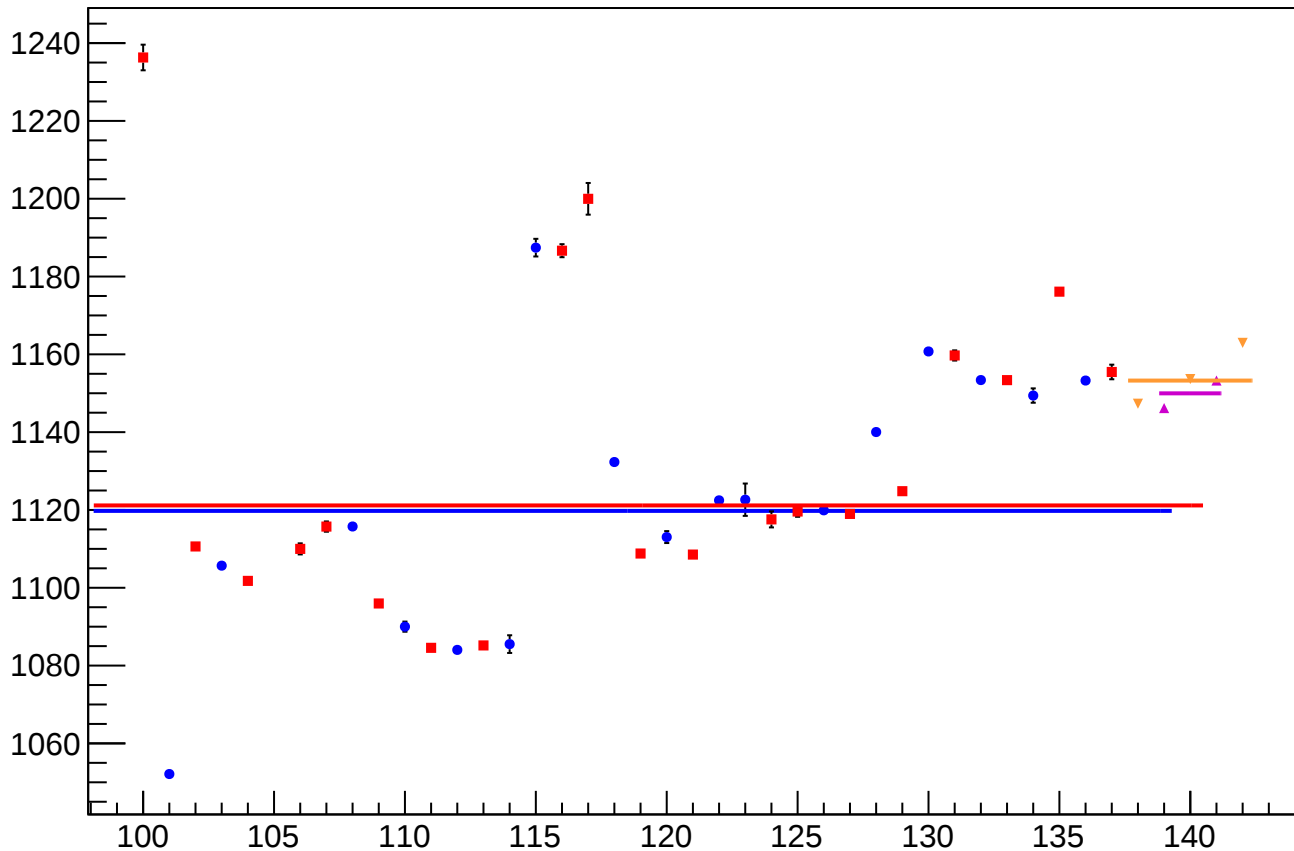
Left In: 2530.722 $\pm$ 917.590 χ^2 /NDF: 0.7/1

2356.093 $\pm$ 383.608 χ^2 /NDF: 17.6/19

2215.788 $\pm$ 270.123 χ^2 /NDF: 32.2/41

2077.795 $\pm$ 380.435 χ^2 /NDF: 14.3/21

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1153.257 $\pm$ 0.582 χ^2 /NDF: 99.7/2

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

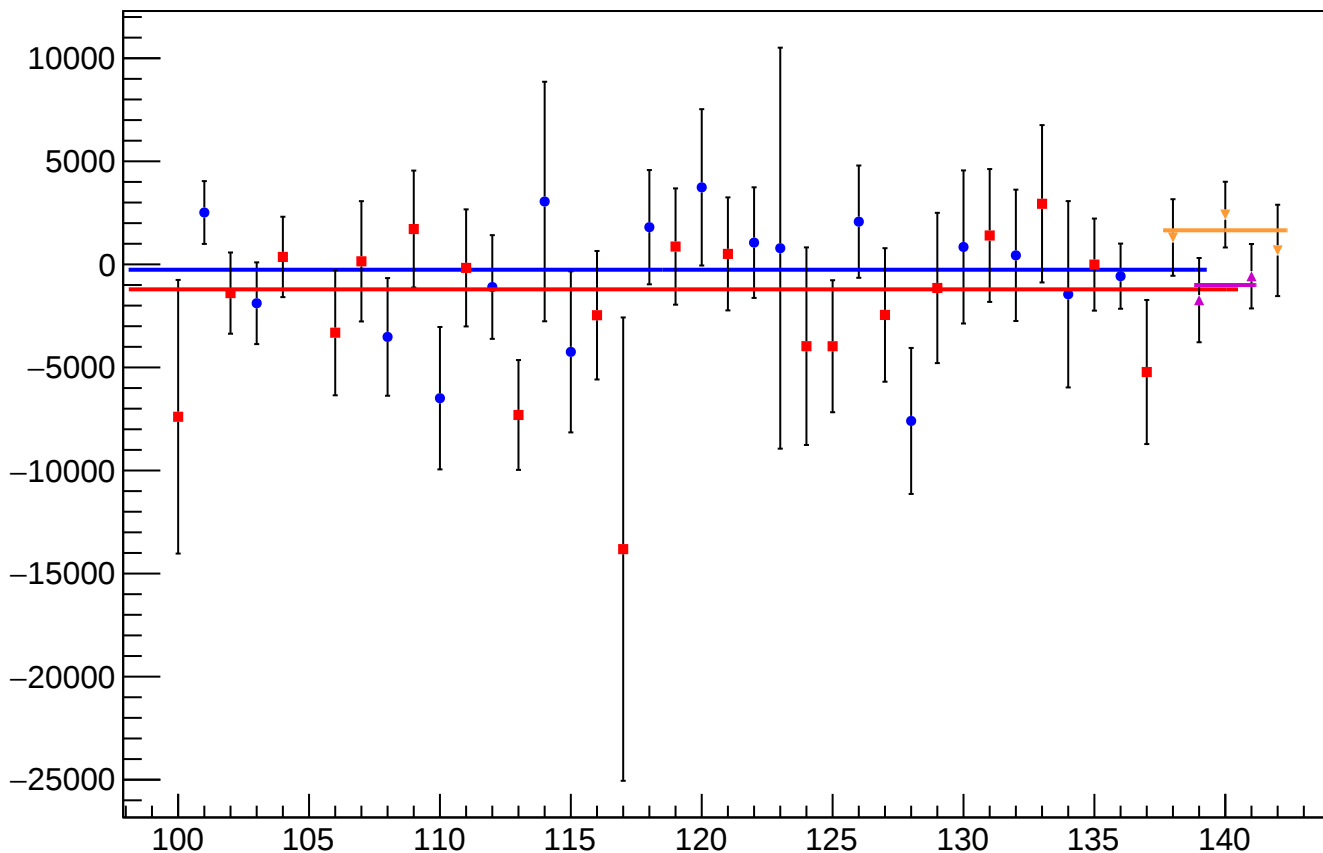
Left In: 1149.974 $\pm$ 0.649 χ^2 /NDF: 29.6/1

1127.038 $\pm$ 0.271 χ^2 /NDF: 14569.3/19

1126.573 $\pm$ 0.191 χ^2 /NDF: 26548.3/41

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

asym_usr_correction_mean vs Slug, Sign Corrected



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

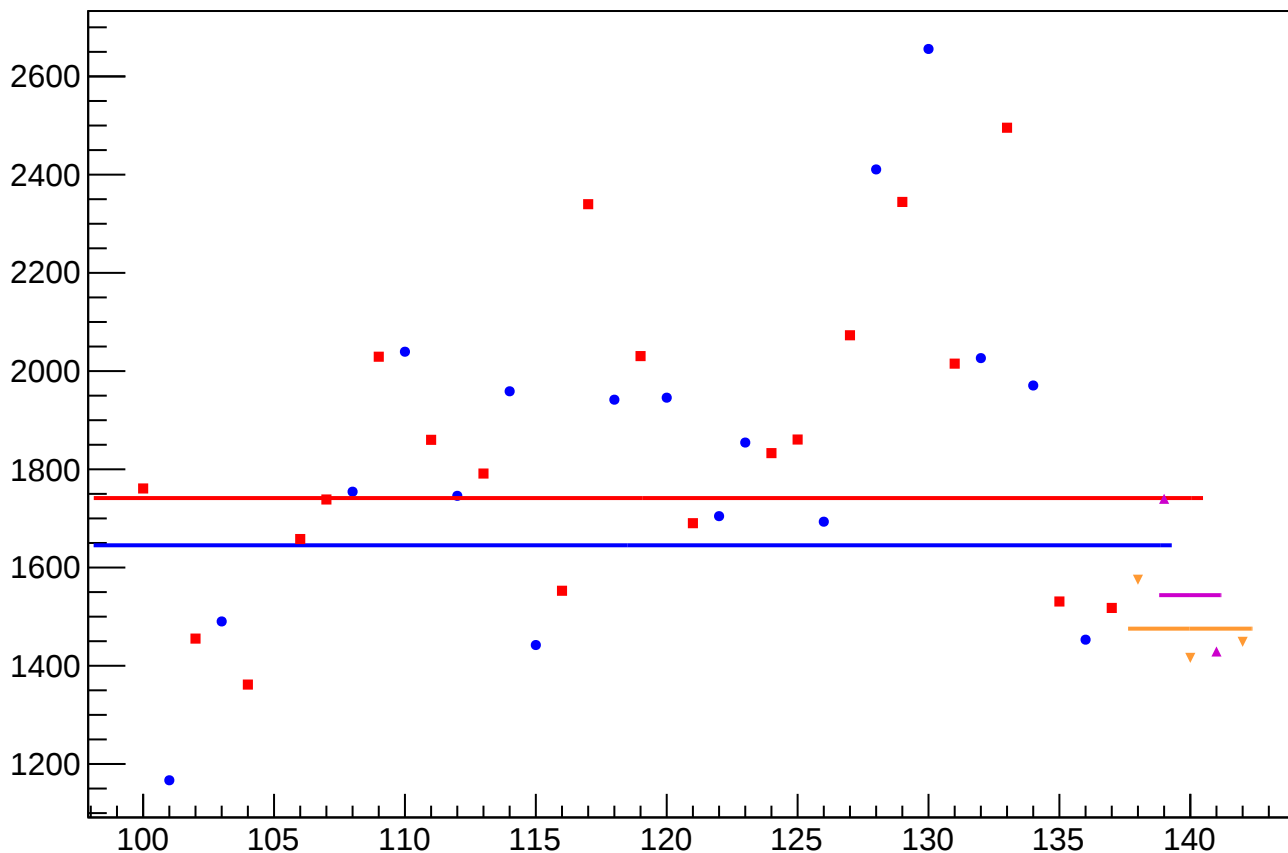
Left In: -1002.200 ± 1241.464 χ^2/NDF : 0.2/1

267.715 ± 557.626 χ^2/NDF : 20.0/19

-416.065 ± 403.186 χ^2/NDF : 39.1/41

-1165.146 ± 583.645 χ^2/NDF : 15.9/21

asym_usr_correction_rms vs Slug, Sign Corrected



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

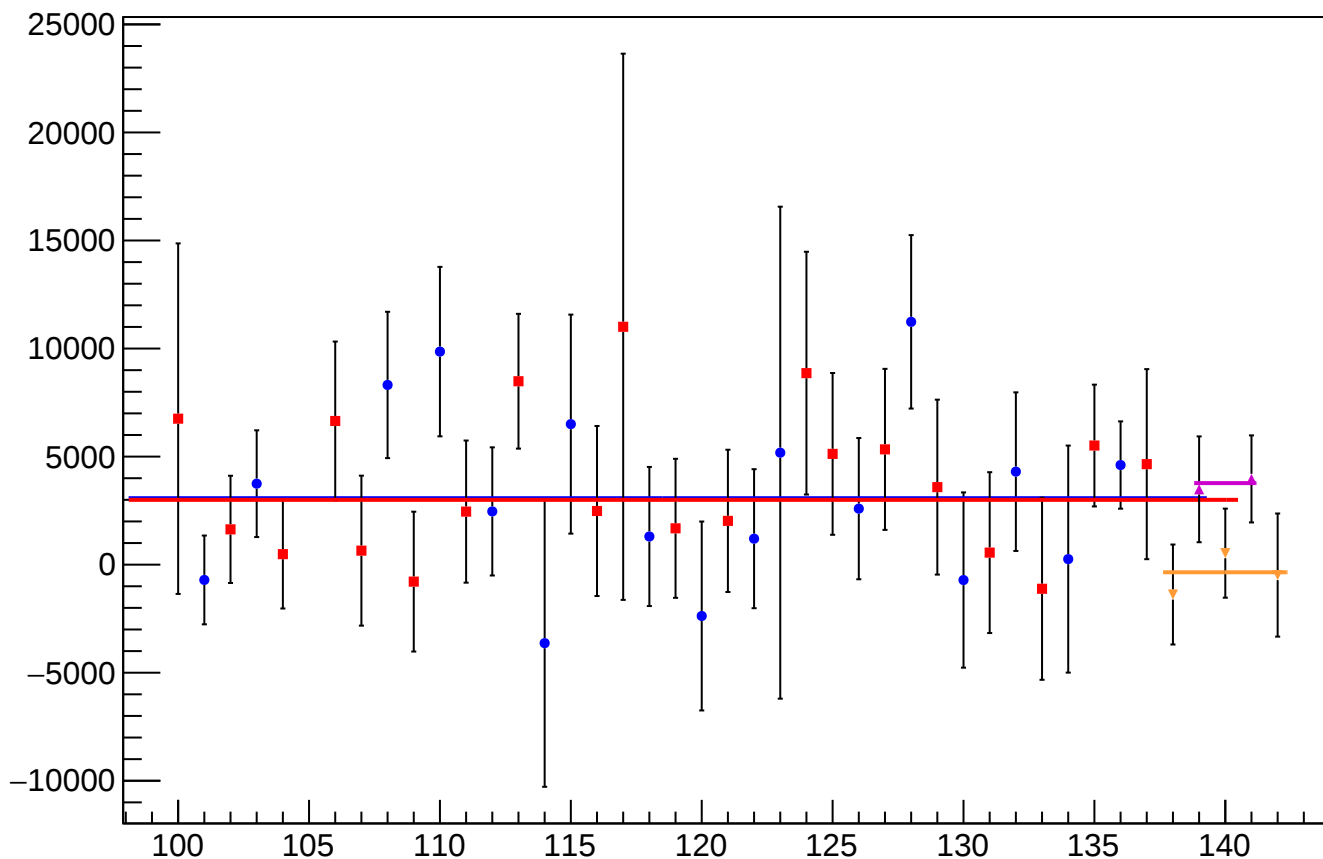
Left In: 1543.784+/-0.878 χ^2/NDF : 29205.7/1

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

1645.866+/-0.285 χ^2/NDF : 1122428.7/41

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

asym_usr_mean vs Slug, Sign Corrected



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

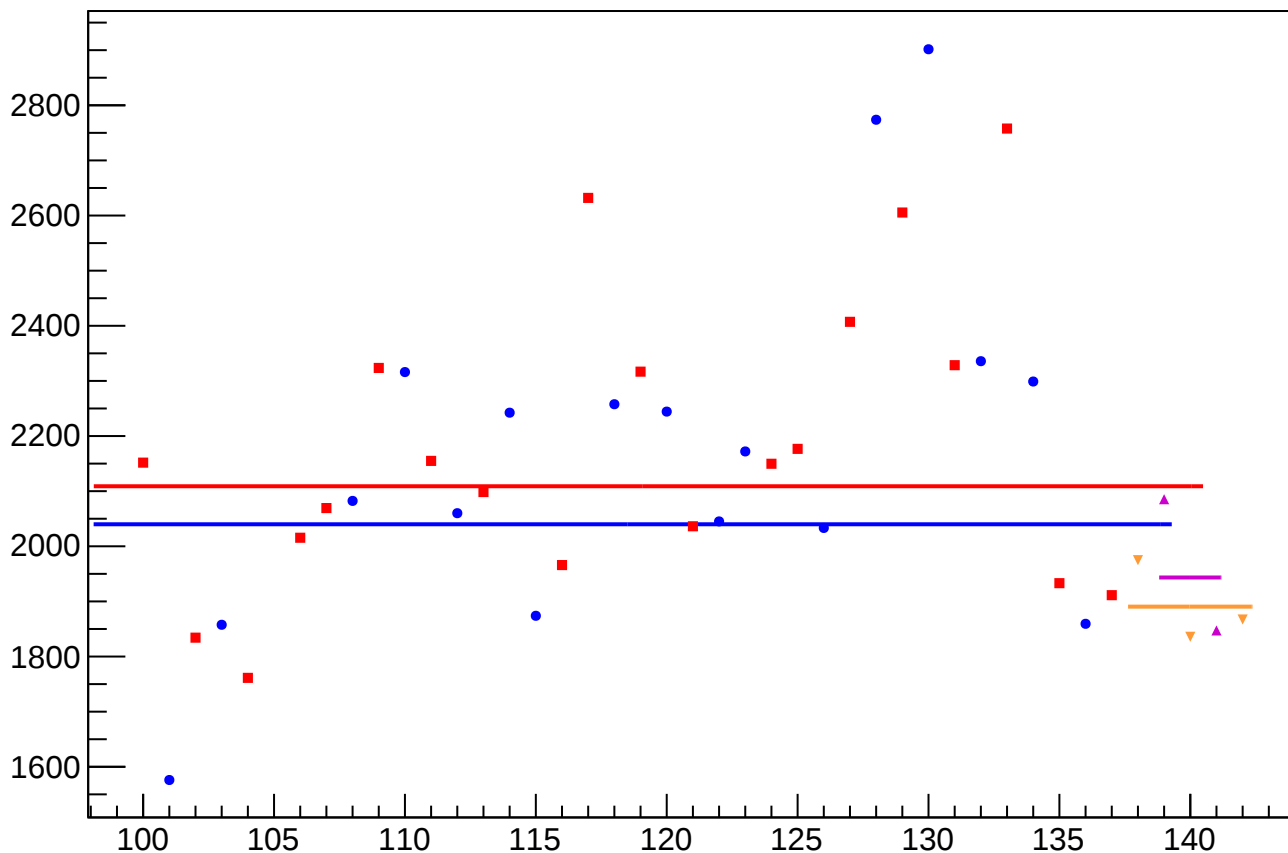
Left In: 3773.443+/-1555.376 χ^2/NDF : 0.0/1

2184.481+/-690.168 χ^2/NDF : 23.7/19

2660.008+/-493.945 χ^2/NDF : 37.2/41

3159.338+/-707.231 χ^2/NDF : 12.5/21

asym_usr_rms vs Slug, Sign Corrected



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

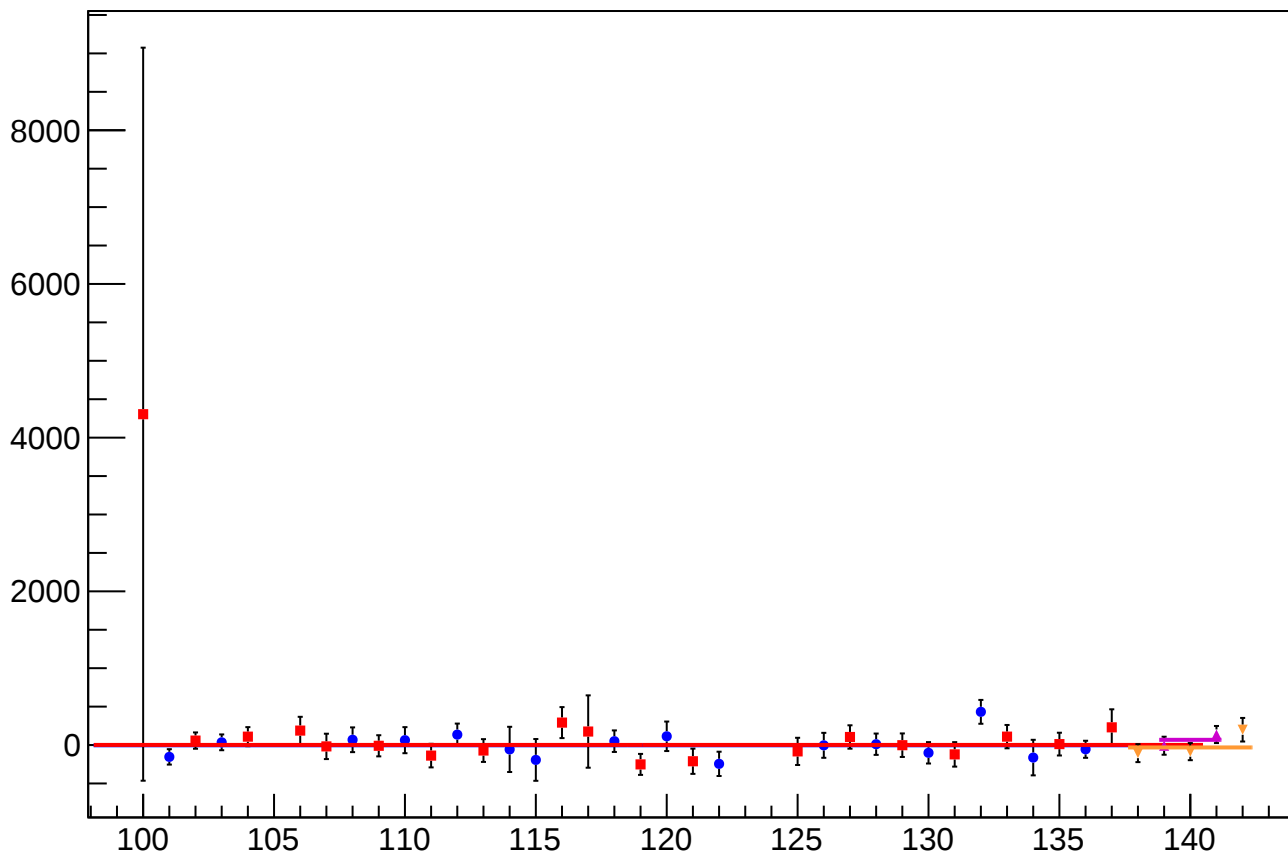
Left In: 1943.397+/-1.100 χ^2/NDF : 11277.5/1

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

2037.001+/-0.349 χ^2/NDF : 593427.5/41

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

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: -31.307 ± 71.382 χ^2/NDF : 2.9/2

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

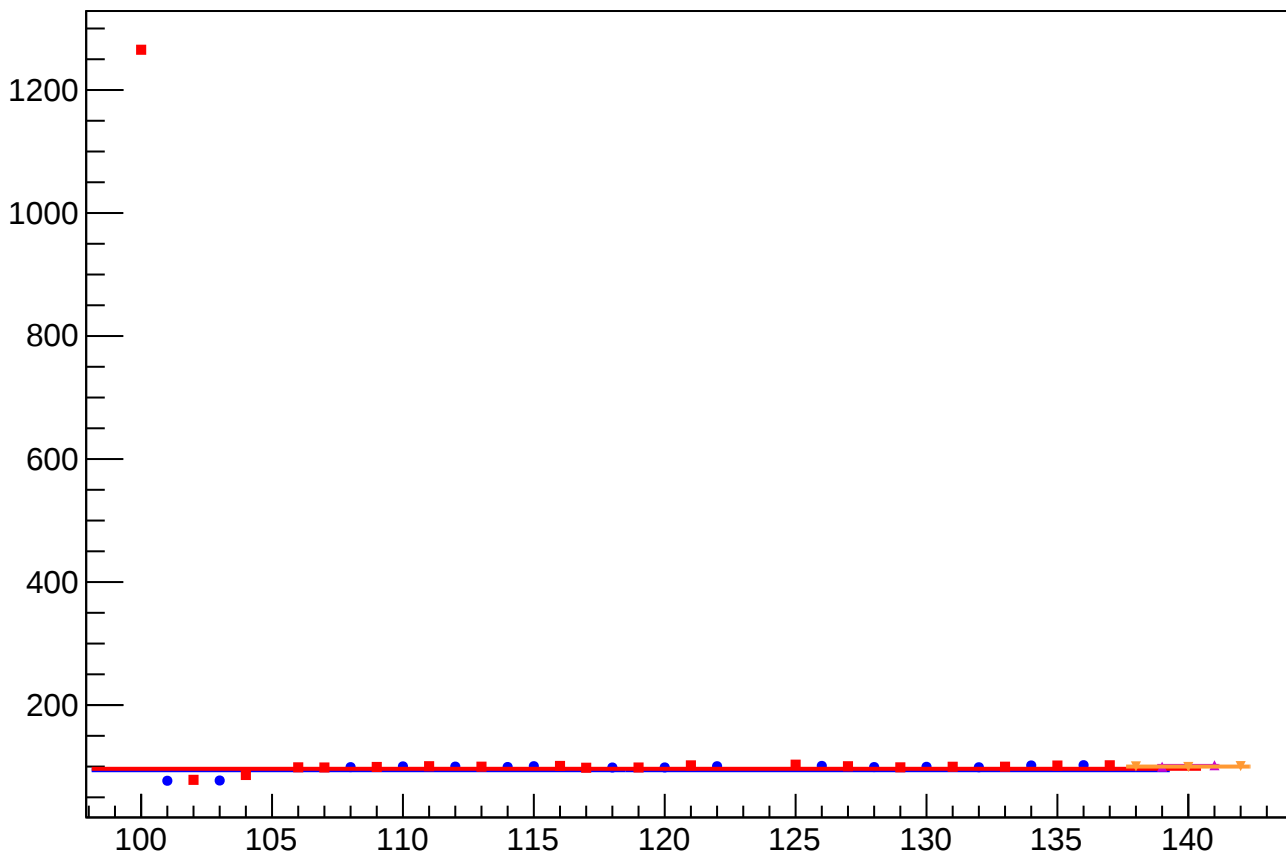
Left In: 67.829 ± 80.659 χ^2/NDF : 0.8/1

-9.145 ± 32.649 χ^2/NDF : 19.2/18

1.632 ± 23.320 χ^2/NDF : 34.9/39

12.857 ± 33.320 χ^2/NDF : 15.5/20

reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.068 $\pm$ 0.026 χ^2 /NDF: 152285.6/15

Left Out: 100.018 $\pm$ 0.050 χ^2 /NDF: 121.0/2

Right Out: 96.383 $\pm$ 0.026 χ^2 /NDF: 209255.3/18

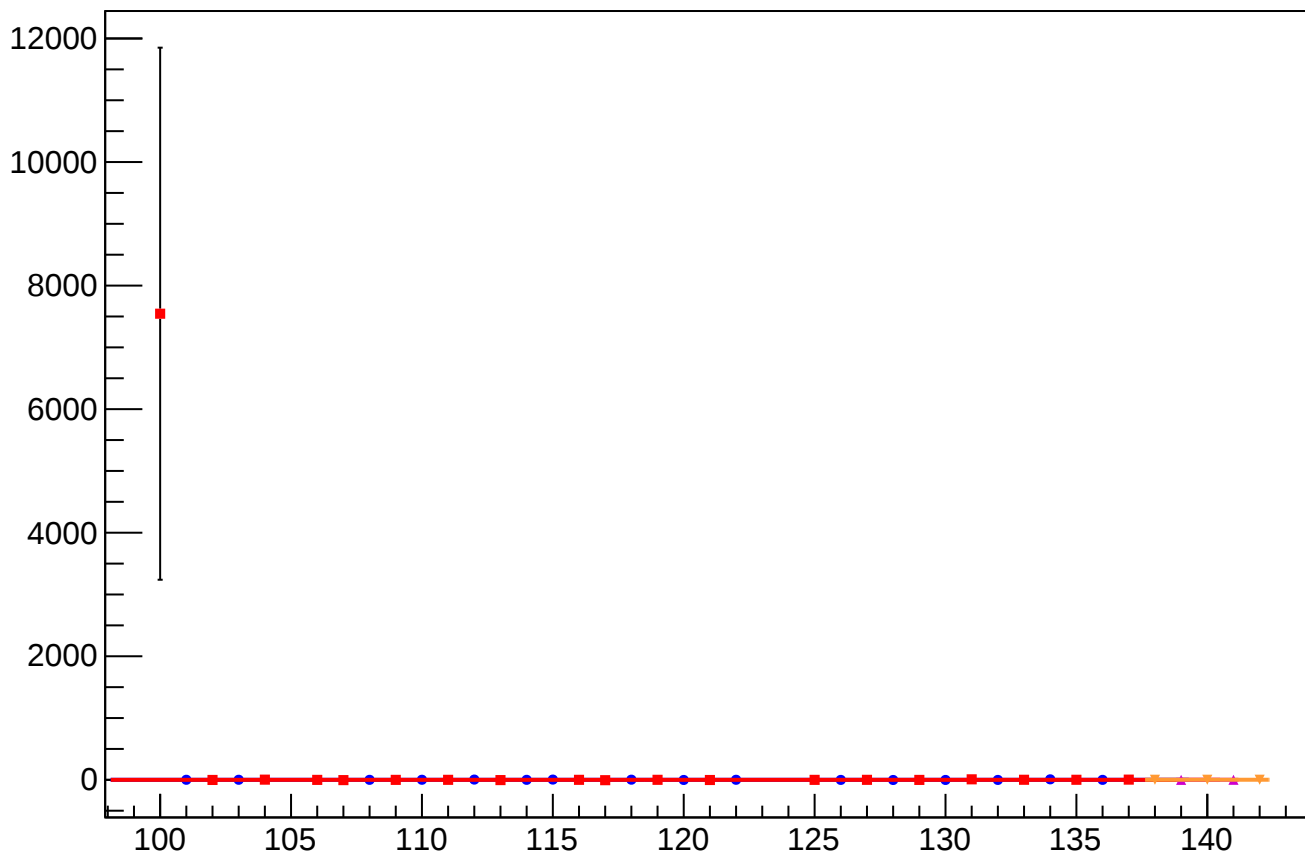
Left In: 101.080 $\pm$ 0.057 χ^2 /NDF: 432.7/1

95.313 $\pm$ 0.023 χ^2 /NDF: 163393.7/18

96.229 $\pm$ 0.016 χ^2 /NDF: 381924.5/39

97.184 $\pm$ 0.024 χ^2 /NDF: 215312.6/20

asym_dsl_correction_mean vs Slug, Sign Corrected



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

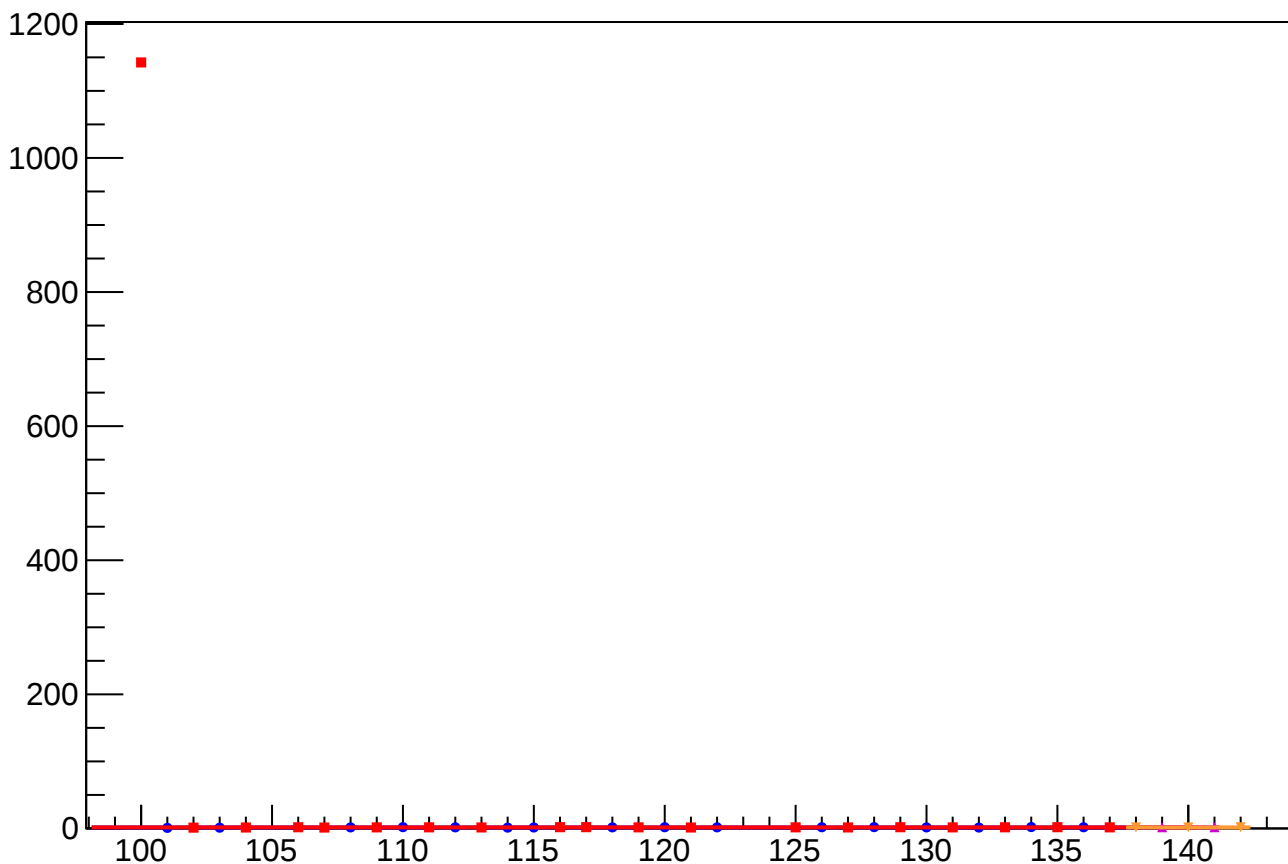
Left In: 0.253+/-1.565 χ^2/NDF : 0.2/1

0.602+/-0.551 χ^2/NDF : 10.2/18

0.207+/-0.404 χ^2/NDF : 34.7/39

-0.251+/-0.593 χ^2/NDF : 23.4/20

asym_dsl_correction_rms vs Slug, Sign Corrected



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

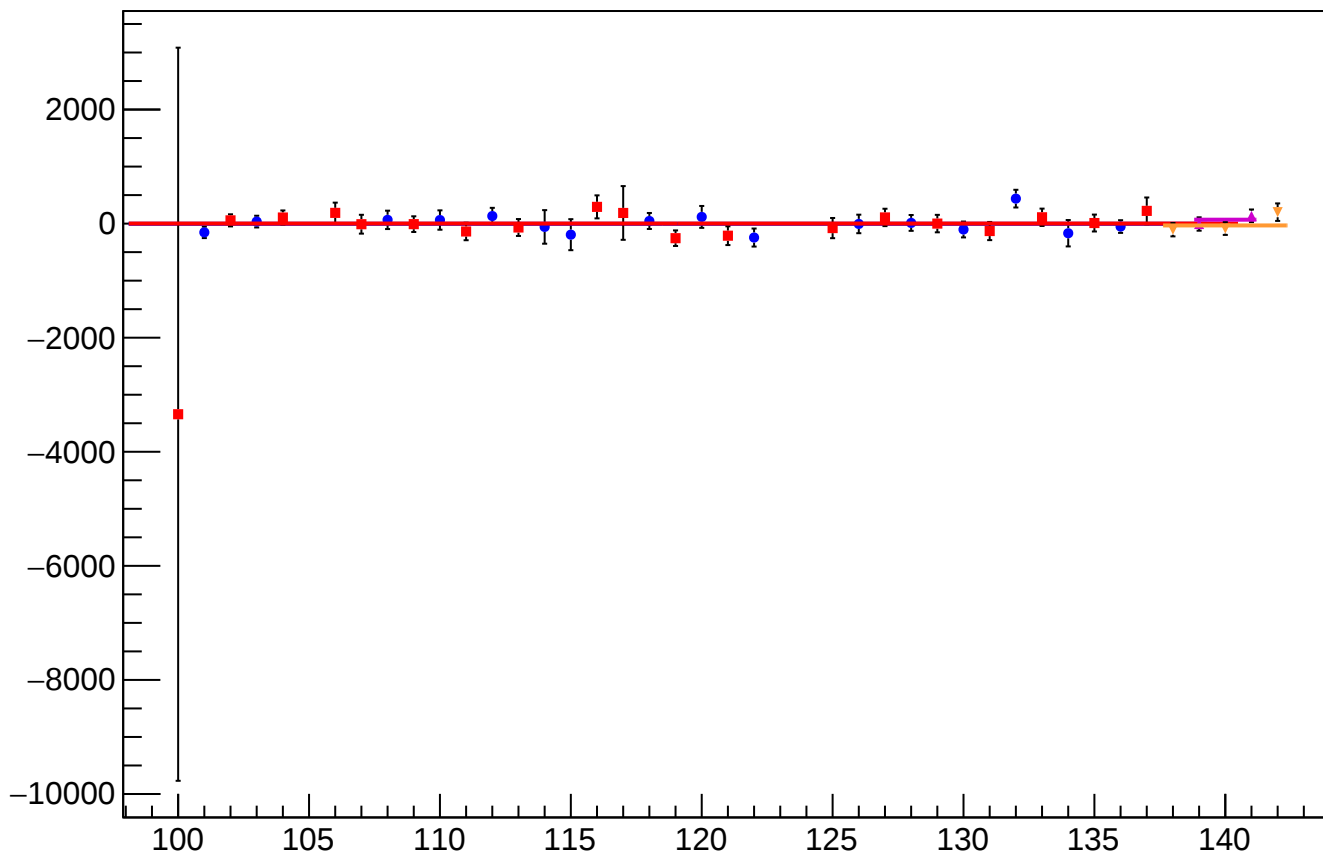
Left In: 1.860+/-0.001 χ^2/NDF : 105.8/1

1.451+/-0.000 χ^2/NDF : 766556.8/18

1.520+/-0.000 χ^2/NDF : 1218020.1/39

1.601+/-0.000 χ^2/NDF : 382787.7/20

asym_dsl_mean vs Slug, Sign Corrected



Right In: -3.099 ± 36.723 $\chi^2/\text{NDF}: 16.3/15$

Left Out: -31.881 ± 71.400 $\chi^2/\text{NDF}: 3.0/2$

Right Out: 1.300 ± 36.598 $\chi^2/\text{NDF}: 13.7/18$

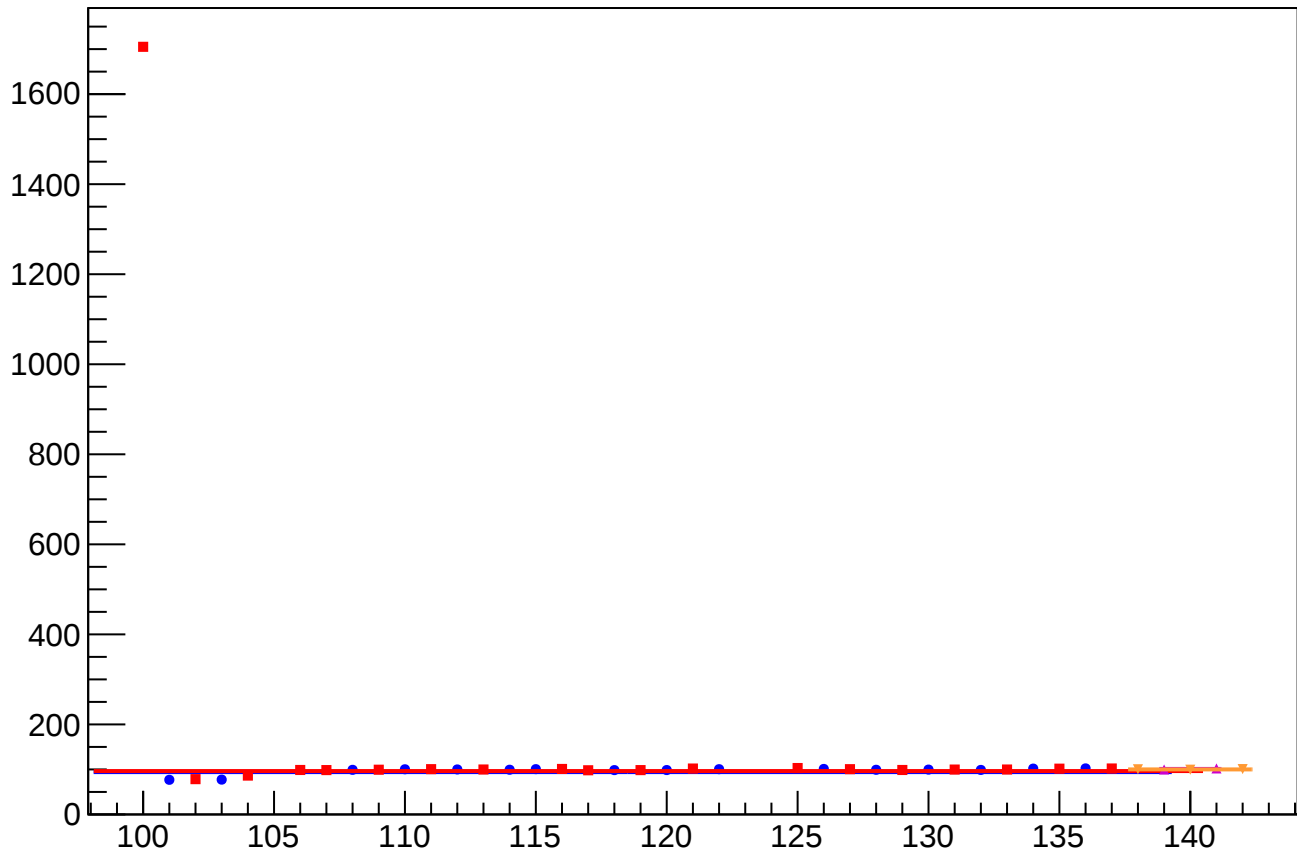
Left In: 68.709 ± 80.681 $\chi^2/\text{NDF}: 0.8/1$

-9.120 ± 32.657 $\chi^2/\text{NDF}: 19.4/18$

1.619 ± 23.326 $\chi^2/\text{NDF}: 34.6/39$

12.804 ± 33.329 $\chi^2/\text{NDF}: 15.0/20$

asym_dsl_rms vs Slug, Sign Corrected



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

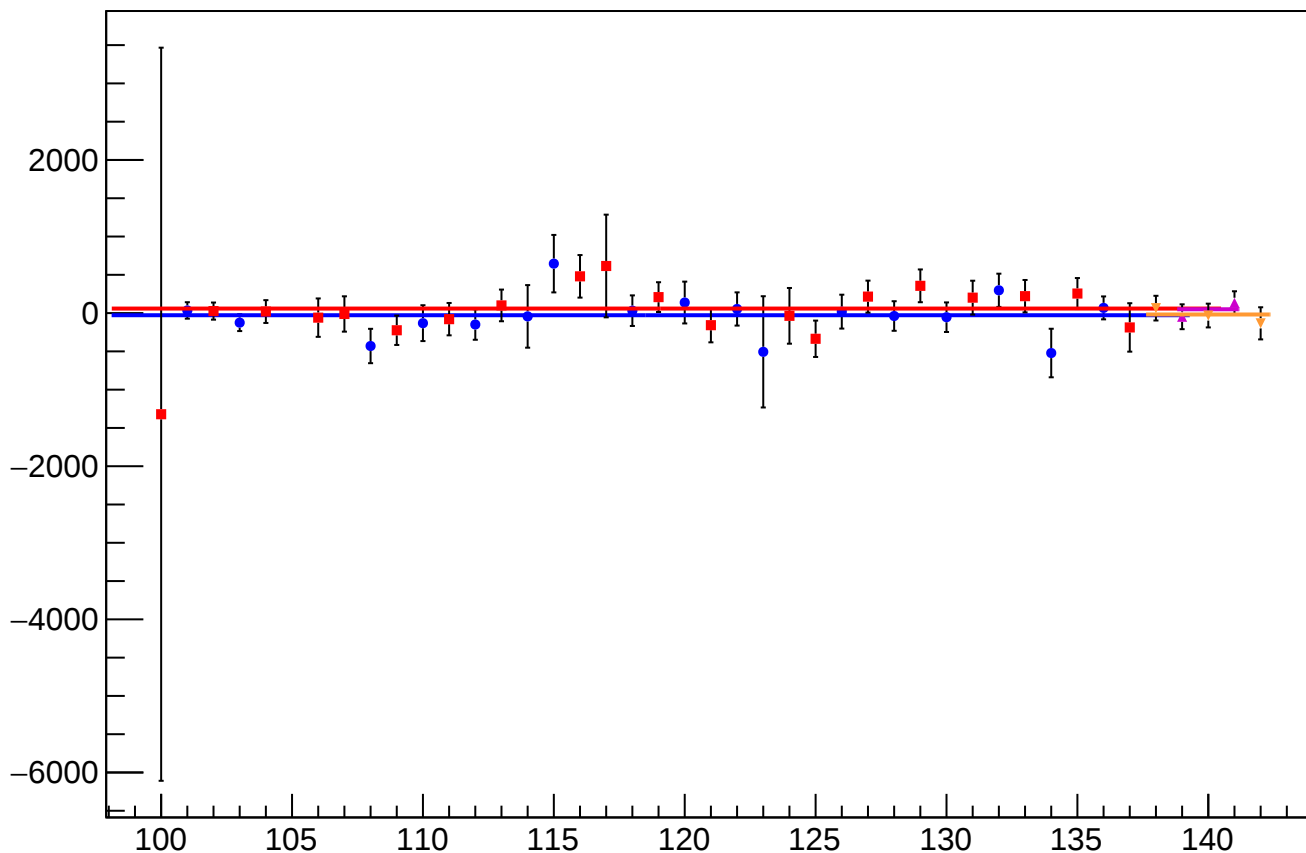
Left In: 101.108+/-0.057 χ^2/NDF : 433.1/1

95.338+/-0.023 χ^2/NDF : 163415.1/18

96.248+/-0.016 χ^2/NDF : 387079.5/39

97.196+/-0.024 χ^2/NDF : 220491.1/20

reg_asym_dsr_mean vs Slug, Sign Corrected



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

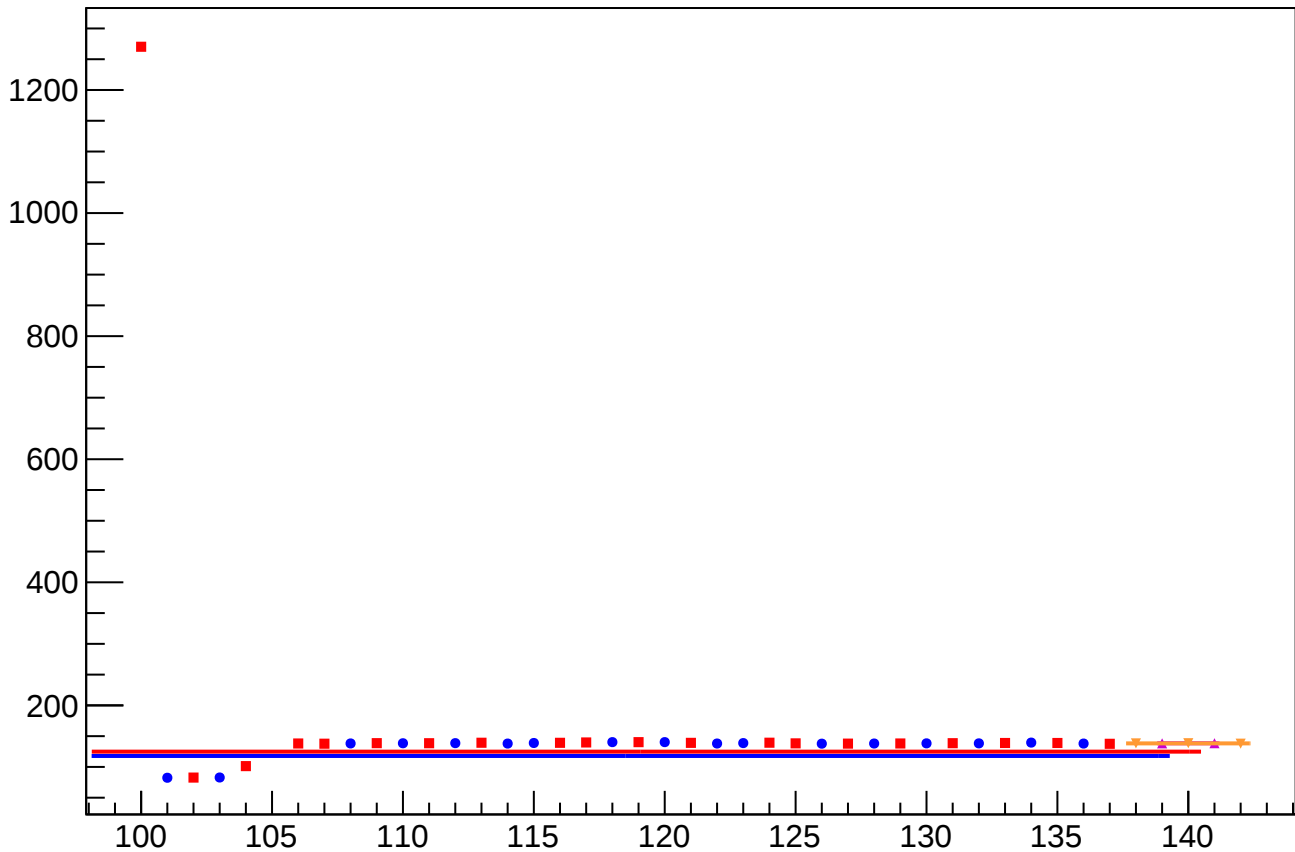
Left In: 50.049 ± 110.469 χ^2/NDF : 0.7/1

-26.076 ± 42.267 χ^2/NDF : 14.9/19

14.448 ± 30.383 χ^2/NDF : 33.0/41

57.777 ± 43.705 χ^2/NDF : 16.3/21

reg_asym_dsr_rms vs Slug, Sign Corrected



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

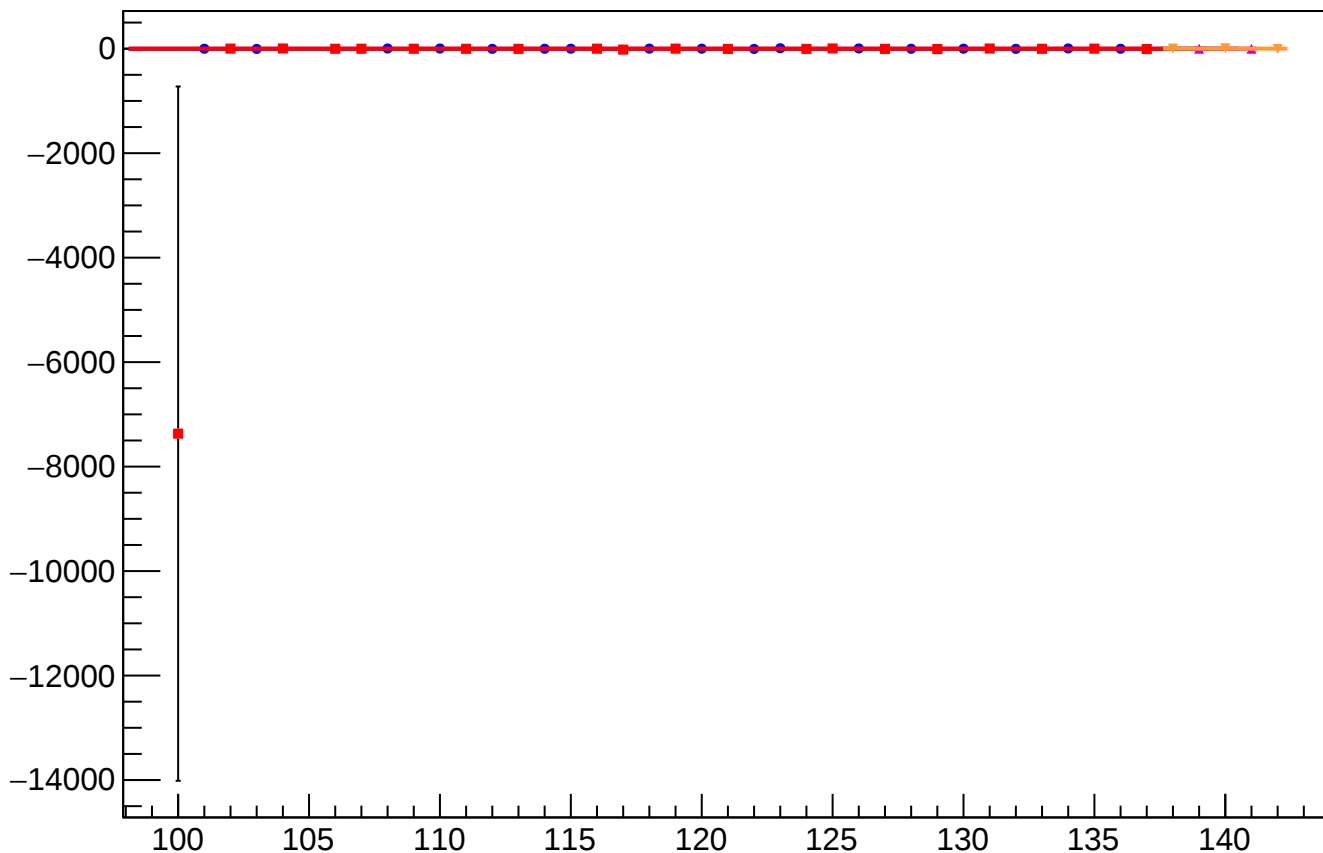
Left In: 138.443+/-0.078 χ^2/NDF : 2.1/1

121.565+/-0.030 χ^2/NDF : 736650.6/19

124.176+/-0.021 χ^2/NDF : 1348797.6/41

126.968+/-0.031 χ^2/NDF : 596351.8/21

asym_dsr_correction_mean vs Slug, Sign Corrected



Right In: -0.695 $\pm$ 0.810 χ^2/NDF : 12.7/16

Left Out: 1.049 $\pm$ 1.882 χ^2/NDF : 5.9/2

Right Out: -0.719 $\pm$ 0.849 χ^2/NDF : 15.3/19

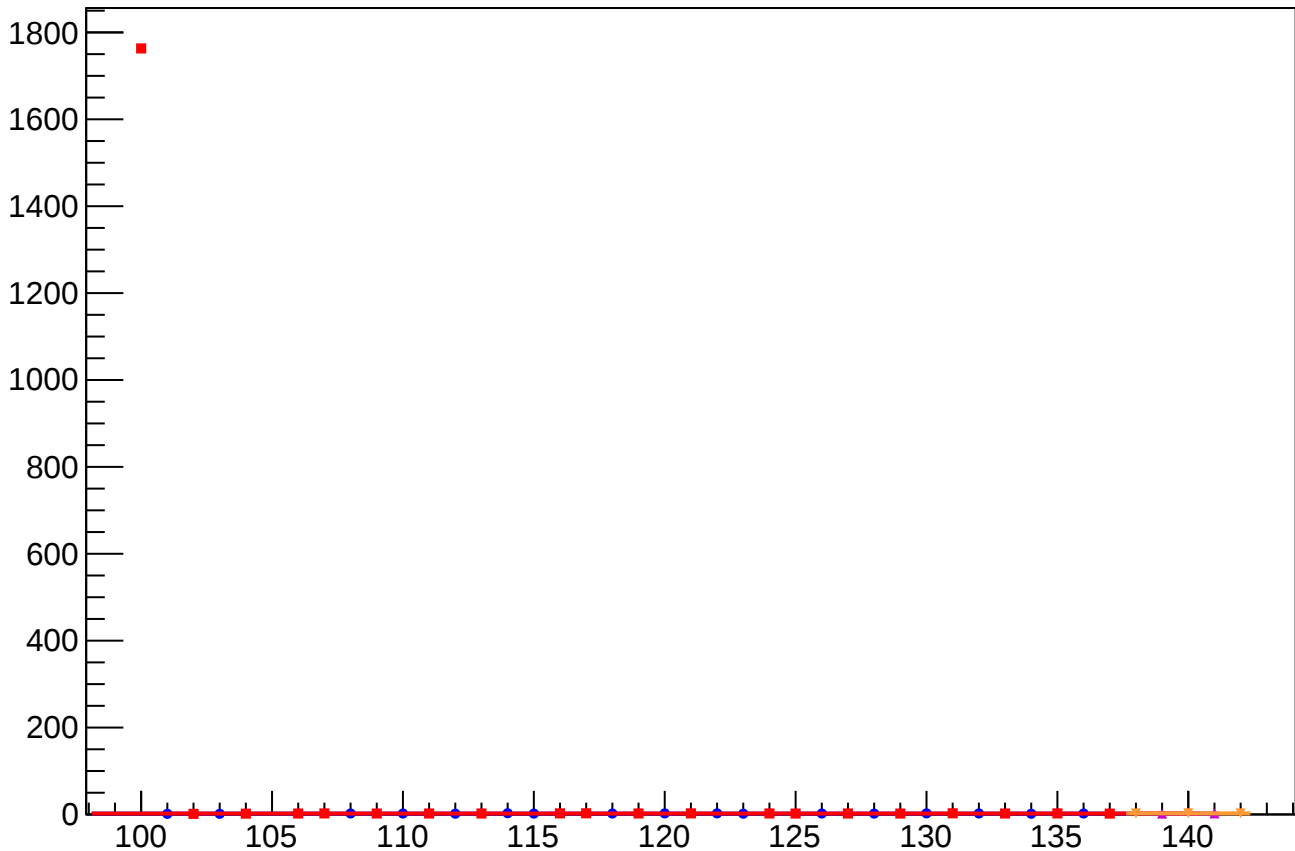
Left In: 0.457 $\pm$ 1.978 χ^2/NDF : 0.0/1

-0.423 $\pm$ 0.744 χ^2/NDF : 19.3/19

-0.477 $\pm$ 0.538 χ^2/NDF : 34.9/41

-0.536 $\pm$ 0.780 χ^2/NDF : 15.6/21

asym_dsr_correction_rms vs Slug, Sign Corrected



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

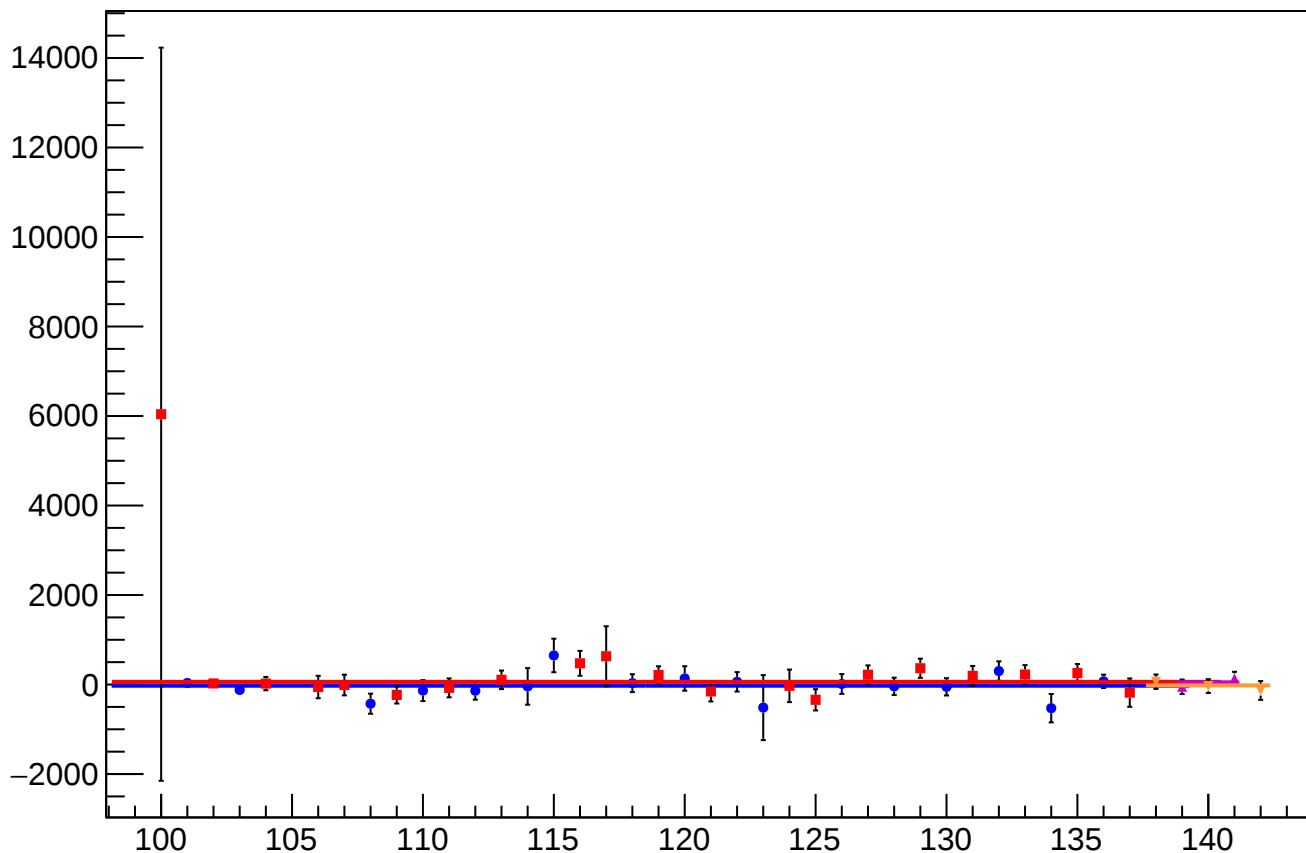
Left In: 2.250 $\pm$ 0.001 χ^2 /NDF: 27369.9/1

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

2.028 $\pm$ 0.000 χ^2 /NDF: 1284074.1/41

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

asym_dsr_mean vs Slug, Sign Corrected



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

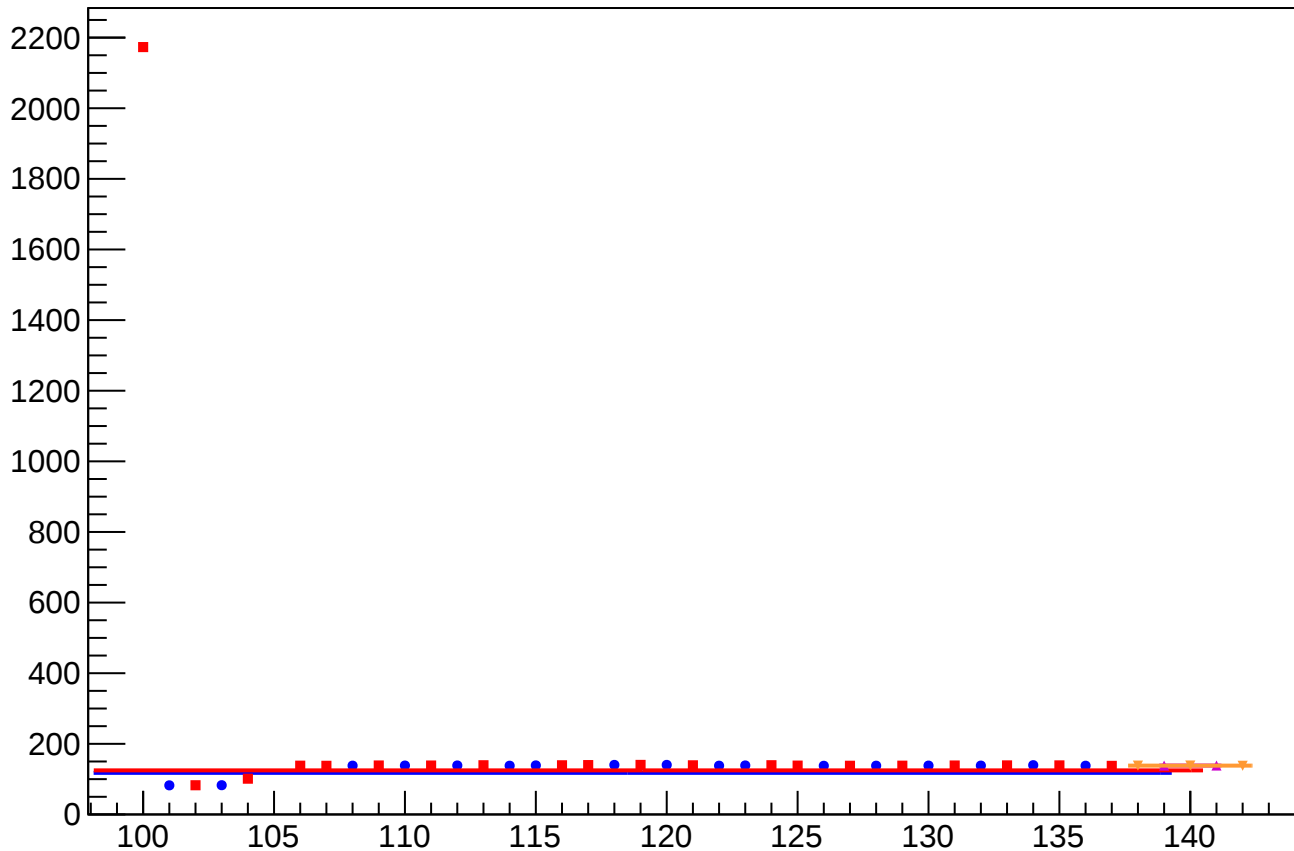
Left In: 49.089+/-110.500 χ^2 /NDF:0.7/1

-25.030+/-42.279 χ^2 /NDF: 14.9/19

15.302+/-30.392 χ^2 /NDF: 33.8/41

58.426+/-43.718 χ^2 /NDF: 16.9/21

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.290 $\pm$ 0.070 χ^2 /NDF:15.7/2

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

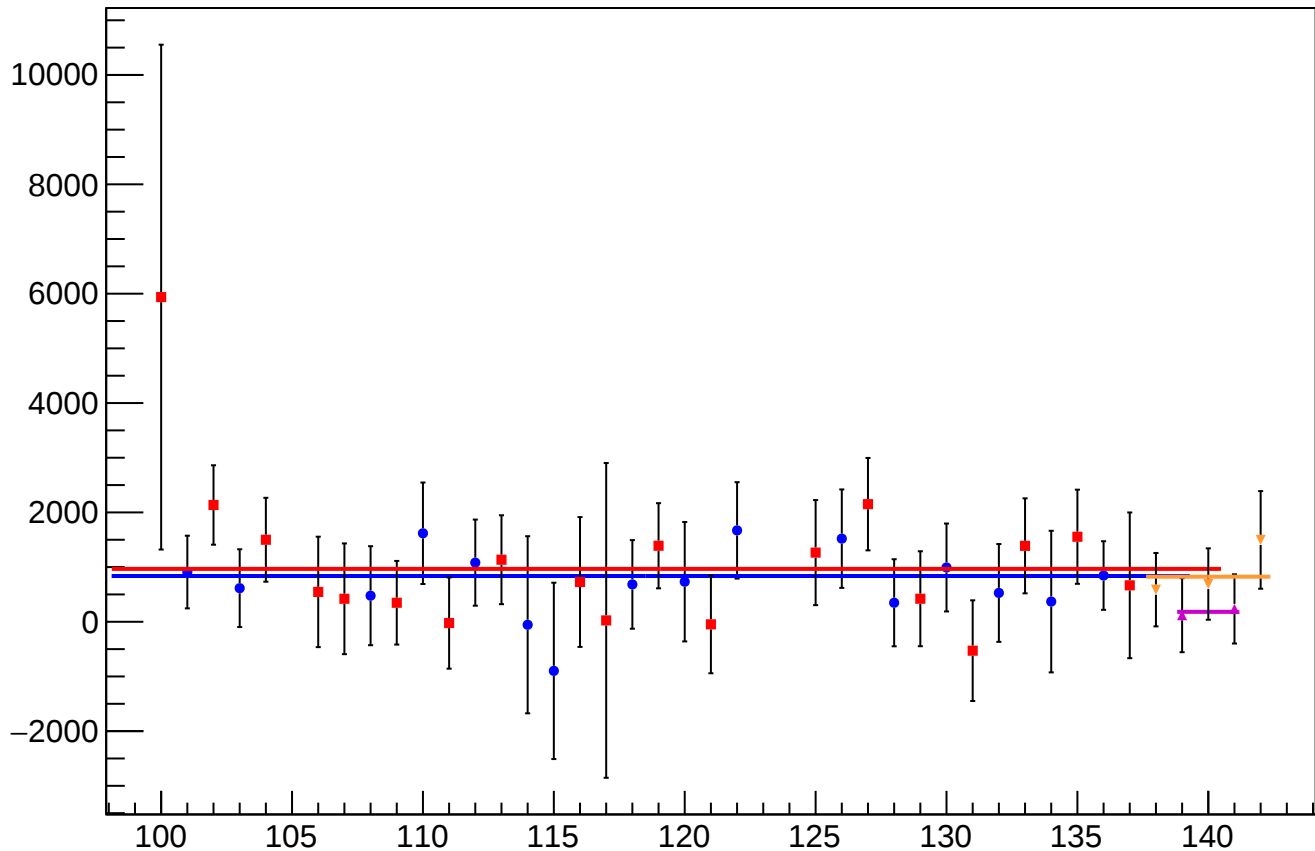
Left In: 138.482 $\pm$ 0.078 χ^2 /NDF:2.2/1

121.598 $\pm$ 0.030 χ^2 /NDF: 736702.9/19

124.192 $\pm$ 0.021 χ^2 /NDF: 1359386.6/41

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

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 824.727 $\pm$ 414.533 χ^2 /NDF: 0.7/2

Right Out: 967.277 $\pm$ 212.168 χ^2 /NDF: 14.4/18

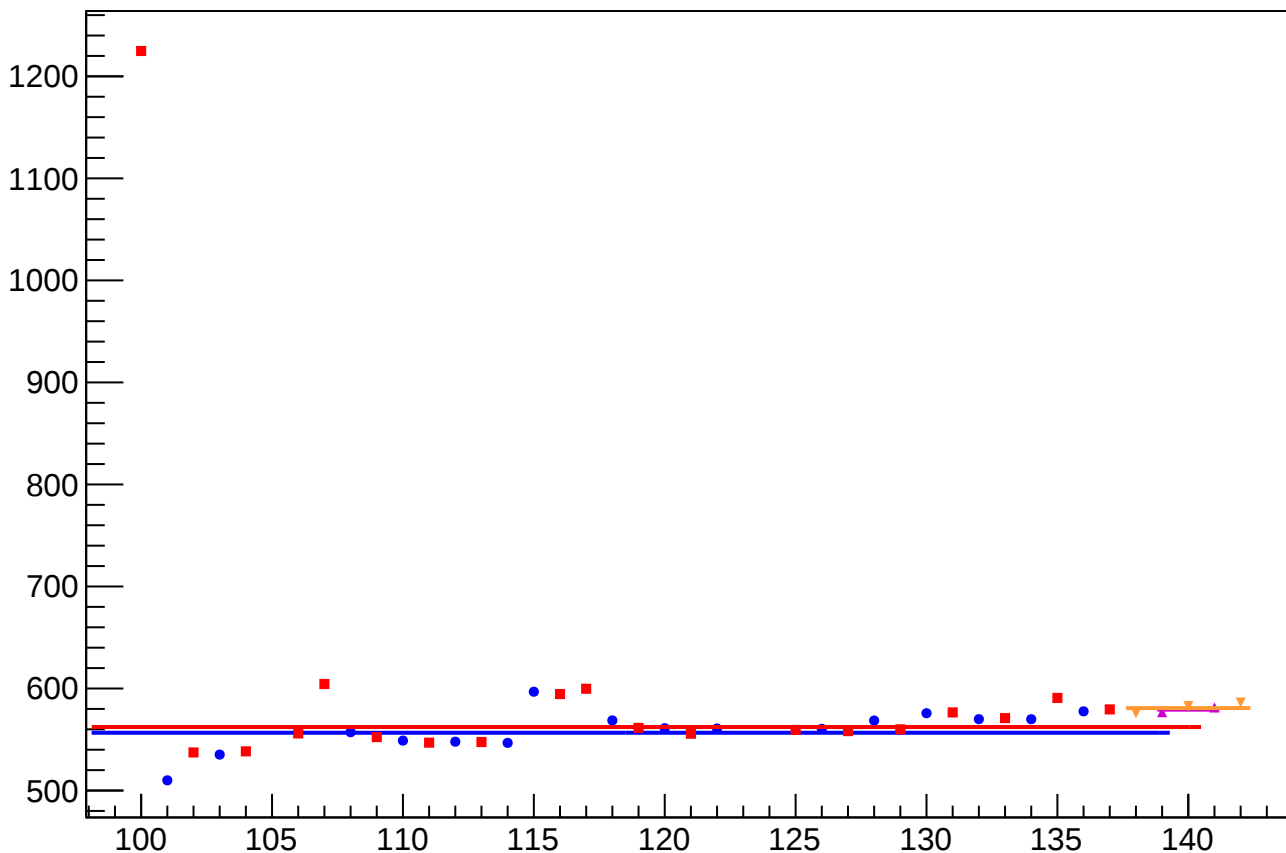
Left In: 181.792 $\pm$ 462.212 χ^2 /NDF: 0.0/1

834.414 $\pm$ 191.681 χ^2 /NDF: 5.5/18

832.506 $\pm$ 135.941 χ^2 /NDF: 22.2/39

830.575 $\pm$ 192.823 χ^2 /NDF: 16.8/20

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

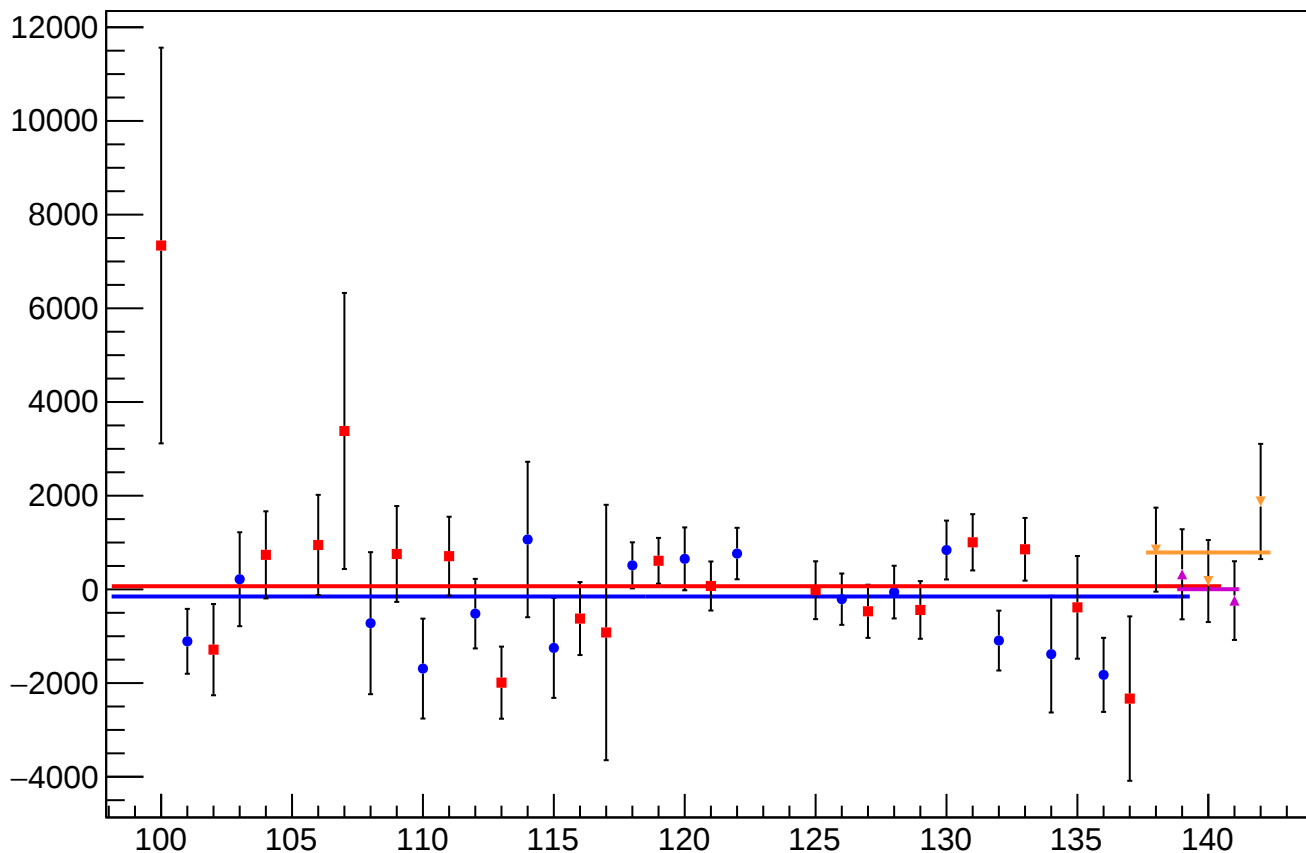
Left In: 579.266 ± 0.327 χ^2/NDF : 50.0/1

561.809 ± 0.136 χ^2/NDF : 23950.0/18

563.501 ± 0.096 χ^2/NDF : 82468.4/39

565.214 ± 0.136 χ^2/NDF : 58204.8/20

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -151.876 ± 180.078 $\chi^2/\text{NDF}: 22.3/15$

Left Out: 787.927 ± 558.288 $\chi^2/\text{NDF}: 1.3/2$

Right Out: 67.516 ± 178.283 $\chi^2/\text{NDF}: 25.1/18$

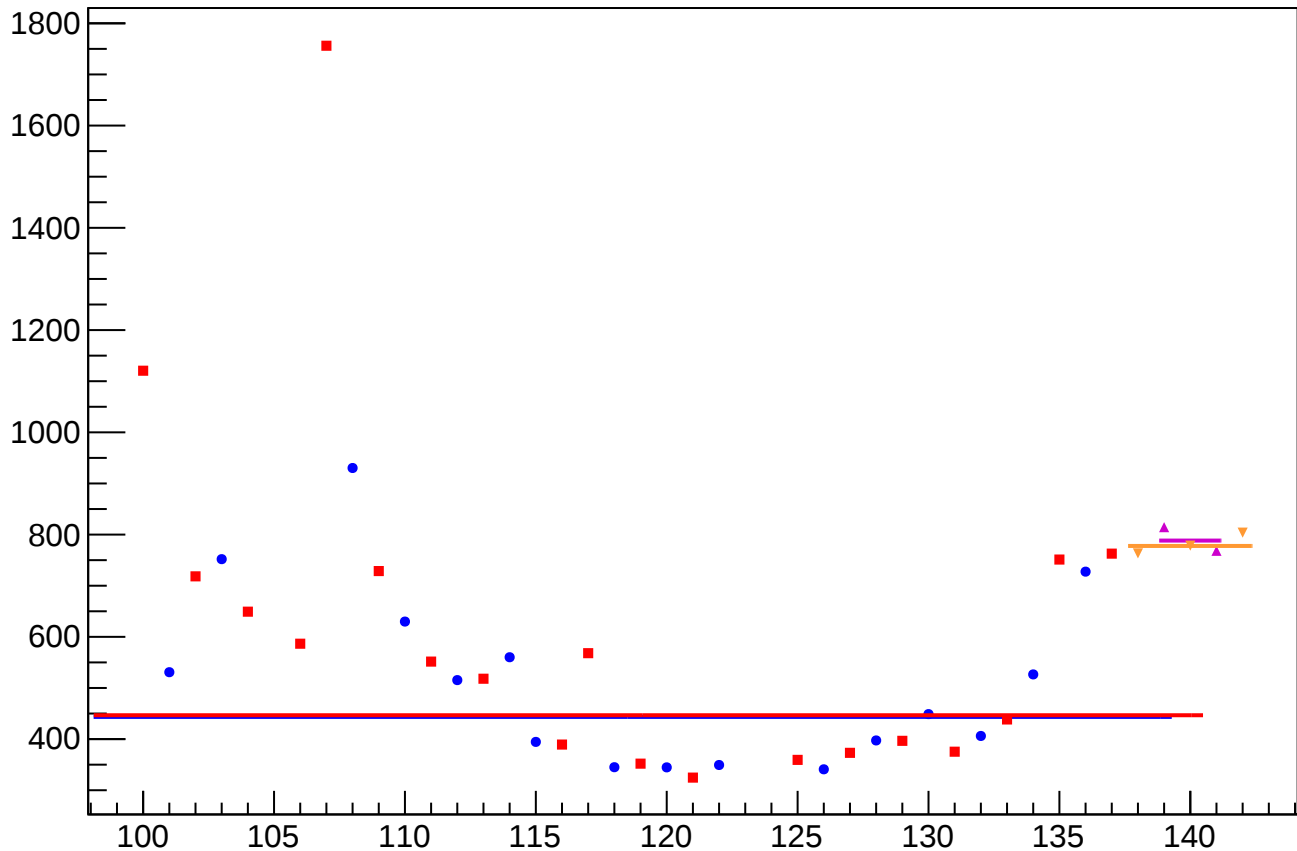
Left In: 3.673 ± 632.558 $\chi^2/\text{NDF}: 0.2/1$

-63.312 ± 171.383 $\chi^2/\text{NDF}: 26.1/18$

-0.326 ± 121.262 $\chi^2/\text{NDF}: 51.8/39$

62.818 ± 171.598 $\chi^2/\text{NDF}: 25.3/20$

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

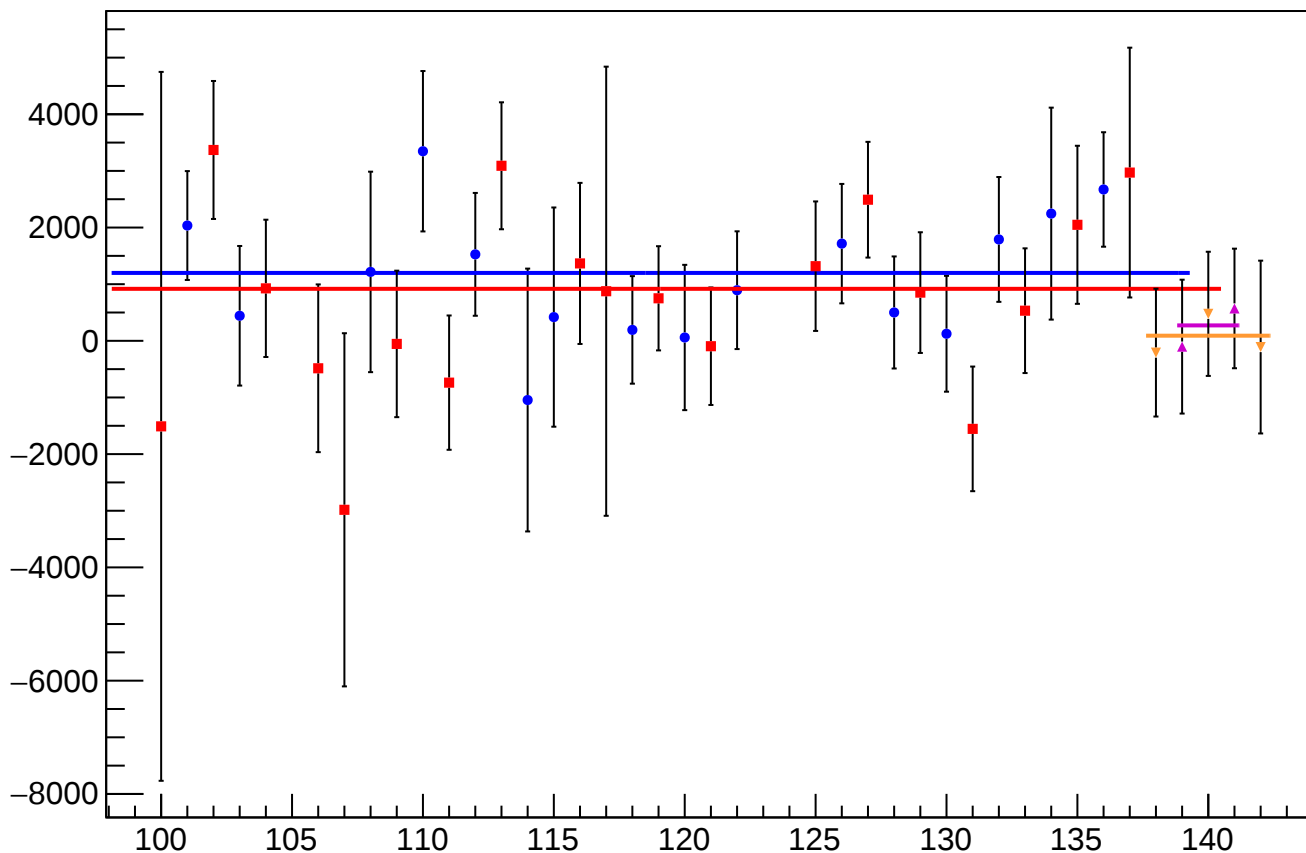
Left In: 788.296+/-0.447 χ^2/NDF :2620.7/1

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

473.385+/-0.086 χ^2/NDF : 3719374.0/39

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

asym_left_avg_mean vs Slug, Sign Corrected



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

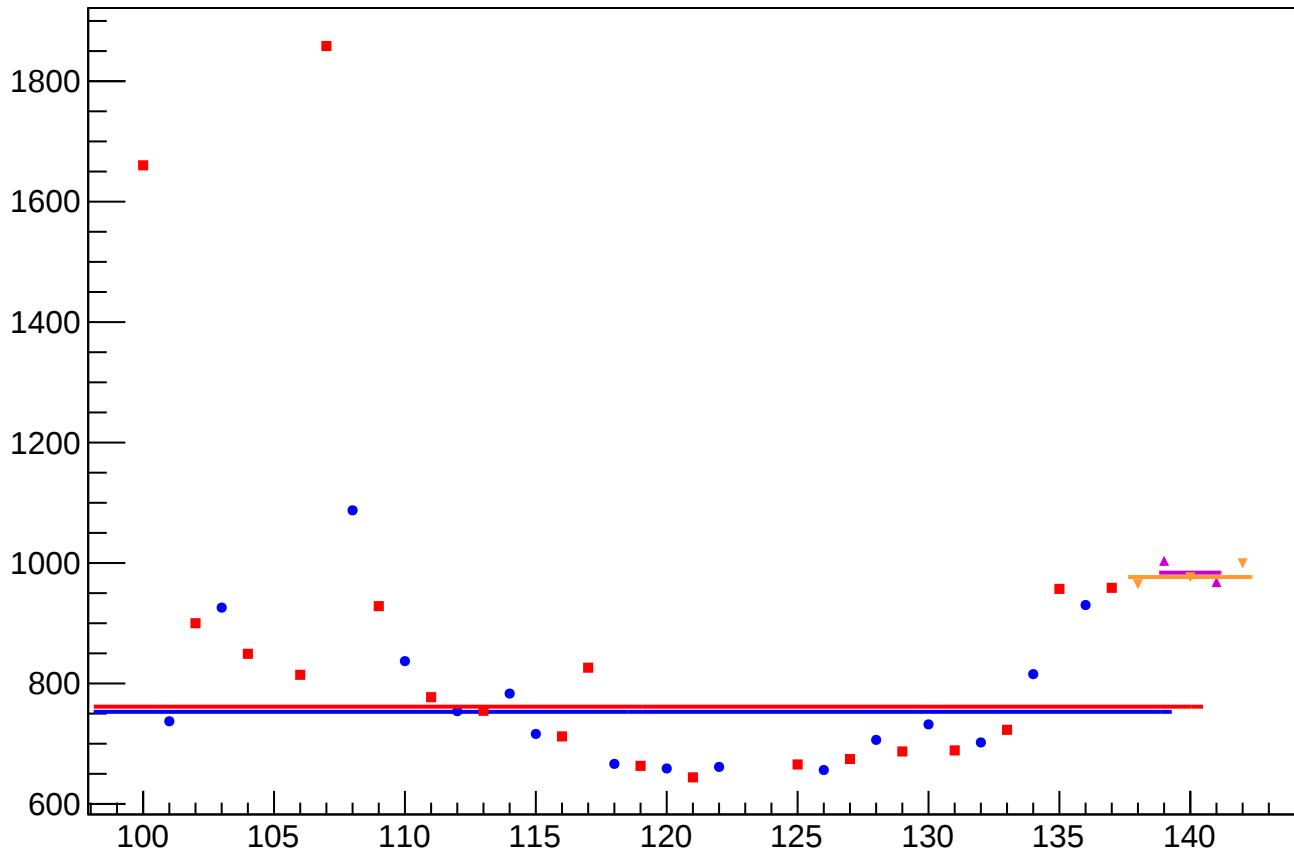
Left In: 272.390 ± 787.266 χ^2/NDF : 0.2/1

1031.111 ± 271.965 χ^2/NDF : 13.5/18

936.257 ± 193.088 χ^2/NDF : 37.8/39

839.849 ± 274.183 χ^2/NDF : 24.0/20

asym_left_avg_rms vs Slug, Sign Corrected



Right In: 752.937 +/- 0.209 χ^2/NDF : 252526.4/15

Left Out: 976.711 +/- 0.494 χ^2/NDF : 674.8/2

Right Out: 761.514 +/- 0.207 χ^2/NDF : 517672.2/18

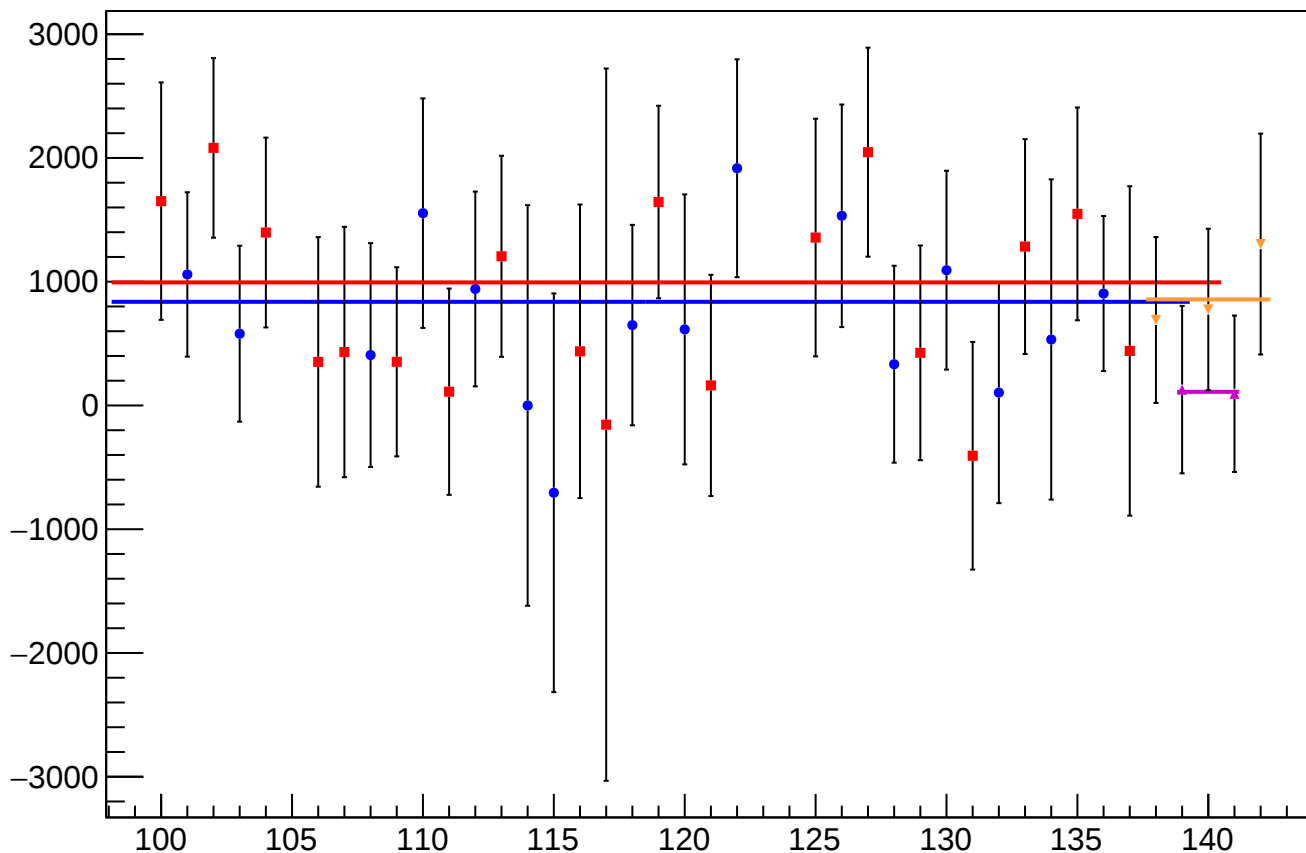
Left In: 984.032 +/- 0.557 χ^2/NDF : 993.0/1

786.832 +/- 0.192 χ^2/NDF : 427225.7/18

787.661 +/- 0.137 χ^2/NDF : 1086326.7/39

788.504 +/- 0.194 χ^2/NDF : 659063.5/20

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

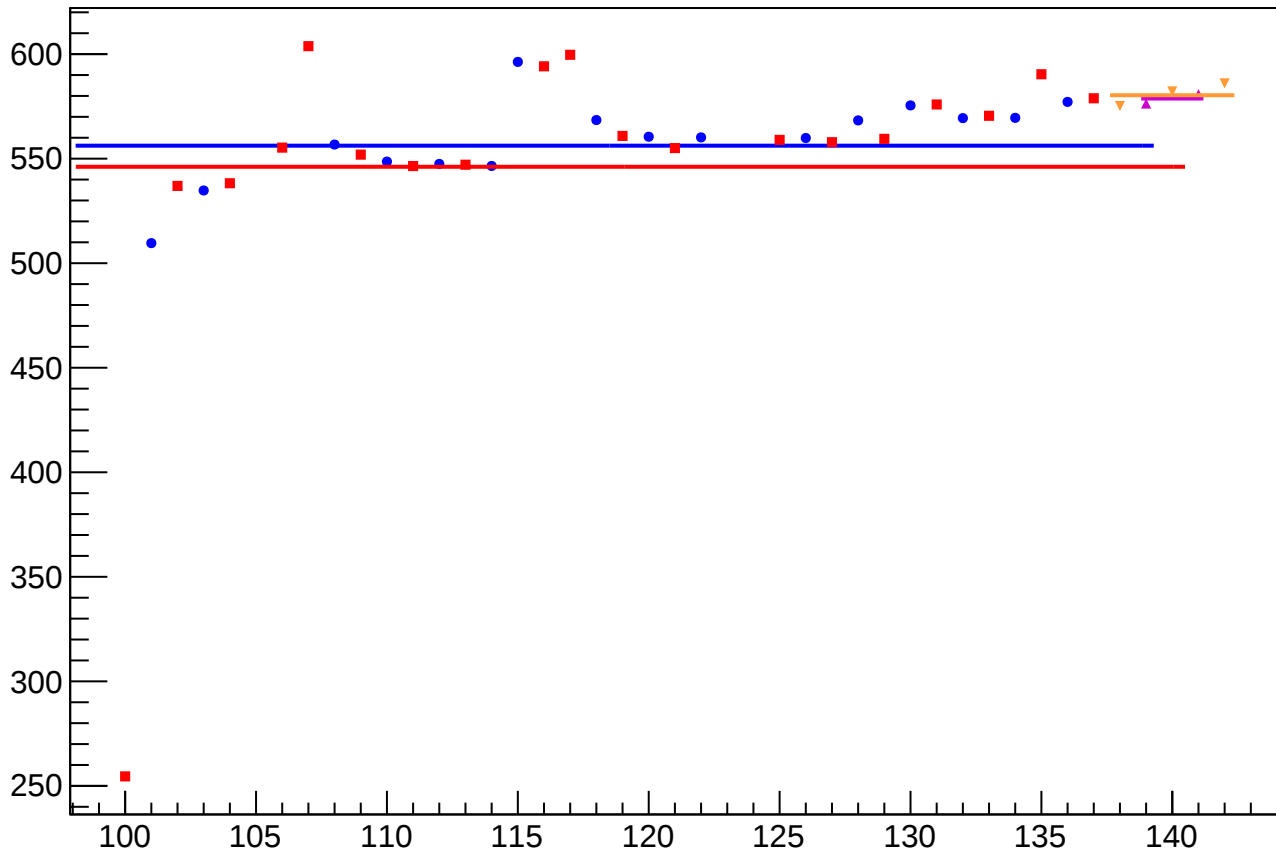
Left In: 110.260 $\pm$ 461.809 χ^2 /NDF: 0.0/1

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

844.098 $\pm$ 134.547 χ^2 /NDF: 21.8/39

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

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 580.339 +/- 0.293 χ^2/NDF : 214.8/2

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

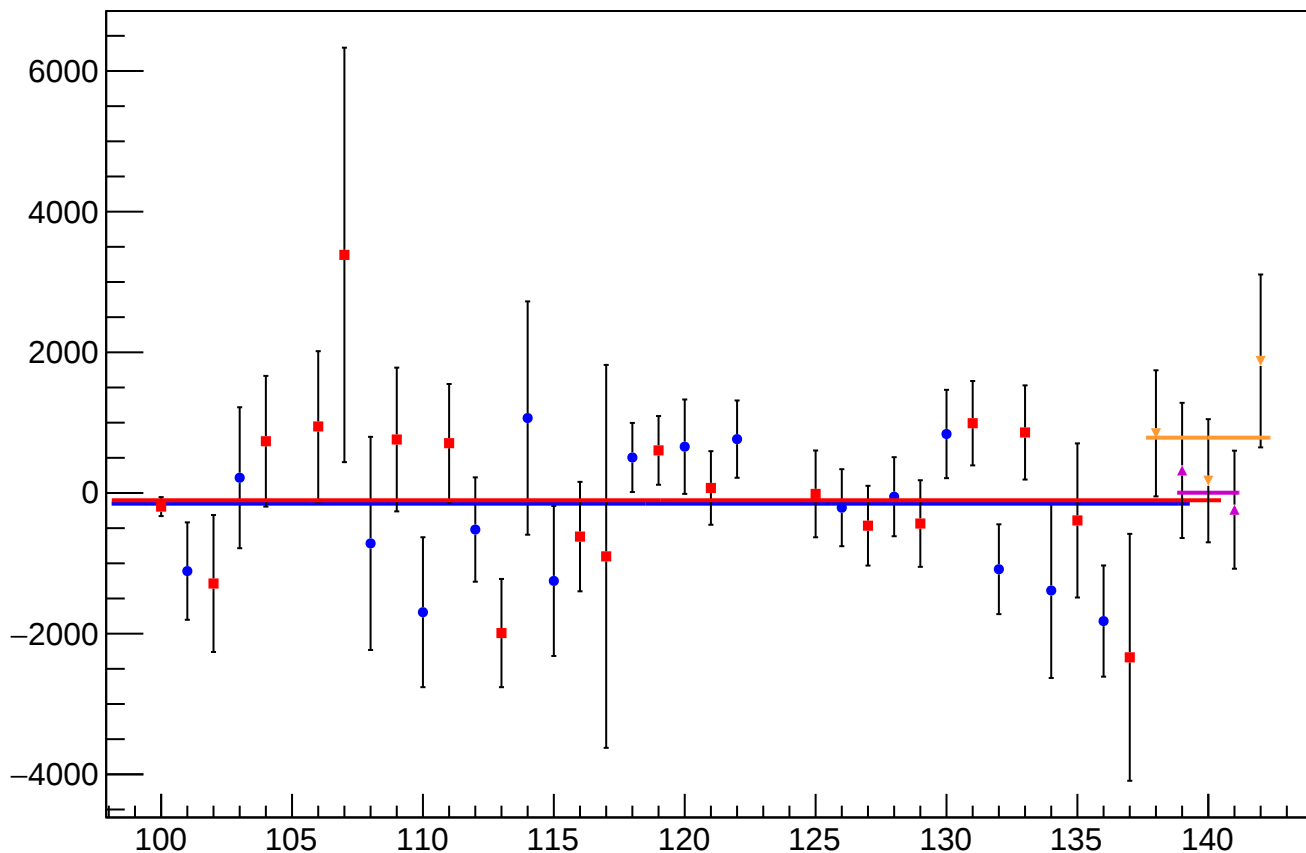
Left In: 578.762 +/- 0.327 χ^2/NDF : 47.1/1

561.370 +/- 0.135 χ^2/NDF : 23968.2/18

556.418 +/- 0.095 χ^2/NDF : 243307.3/39

551.593 +/- 0.134 χ^2/NDF : 216699.7/20

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

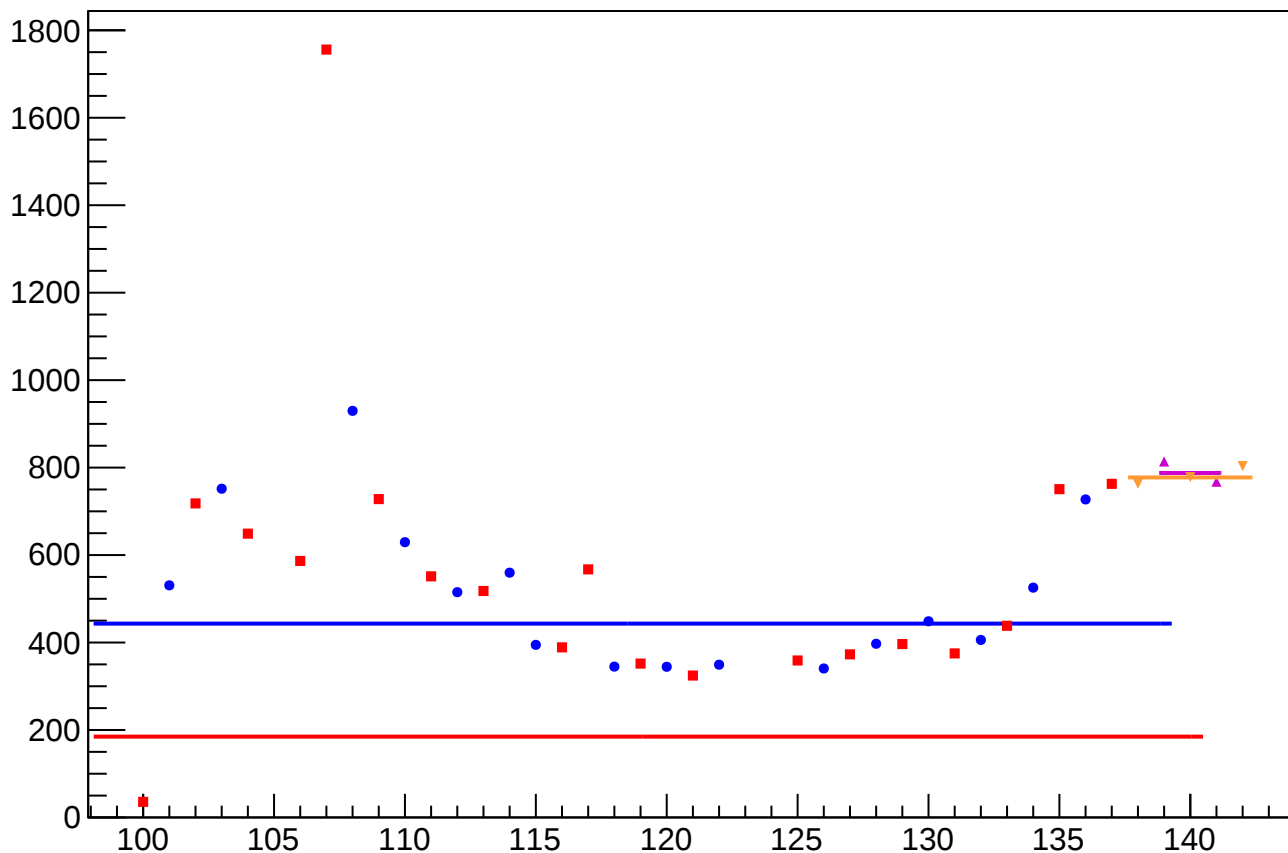
Left In: 4.129+/-632.114 χ^2/NDF : 0.2/1

-63.070+/-171.302 χ^2/NDF : 26.1/18

-89.979+/-90.198 χ^2/NDF : 49.7/39

-100.301+/-106.096 χ^2/NDF : 23.6/20

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

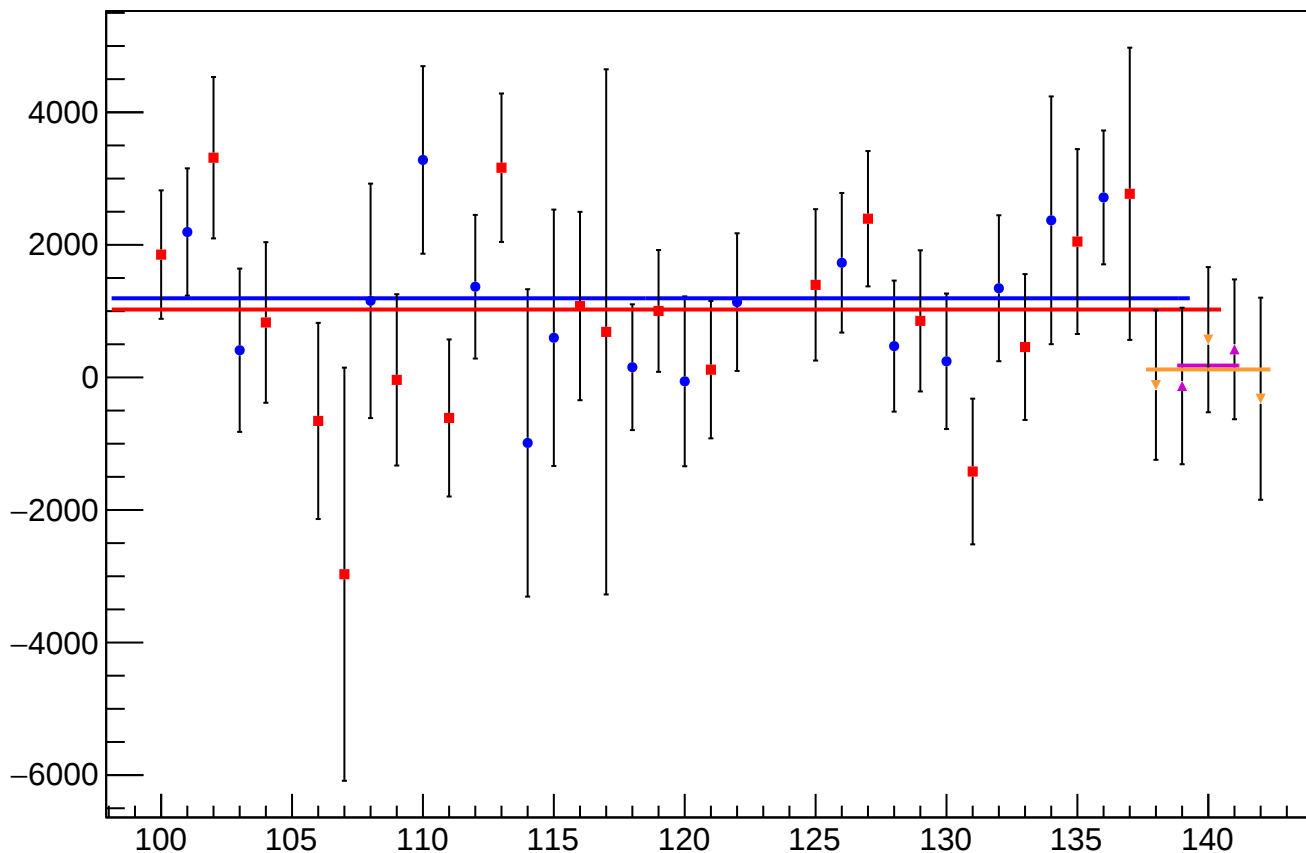
Left In: 787.739+/-0.447 χ^2/NDF : 2625.4/1

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

277.469+/-0.064 χ^2/NDF : 15271813.6/39

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

asym_left_dd_mean vs Slug, Sign Corrected



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

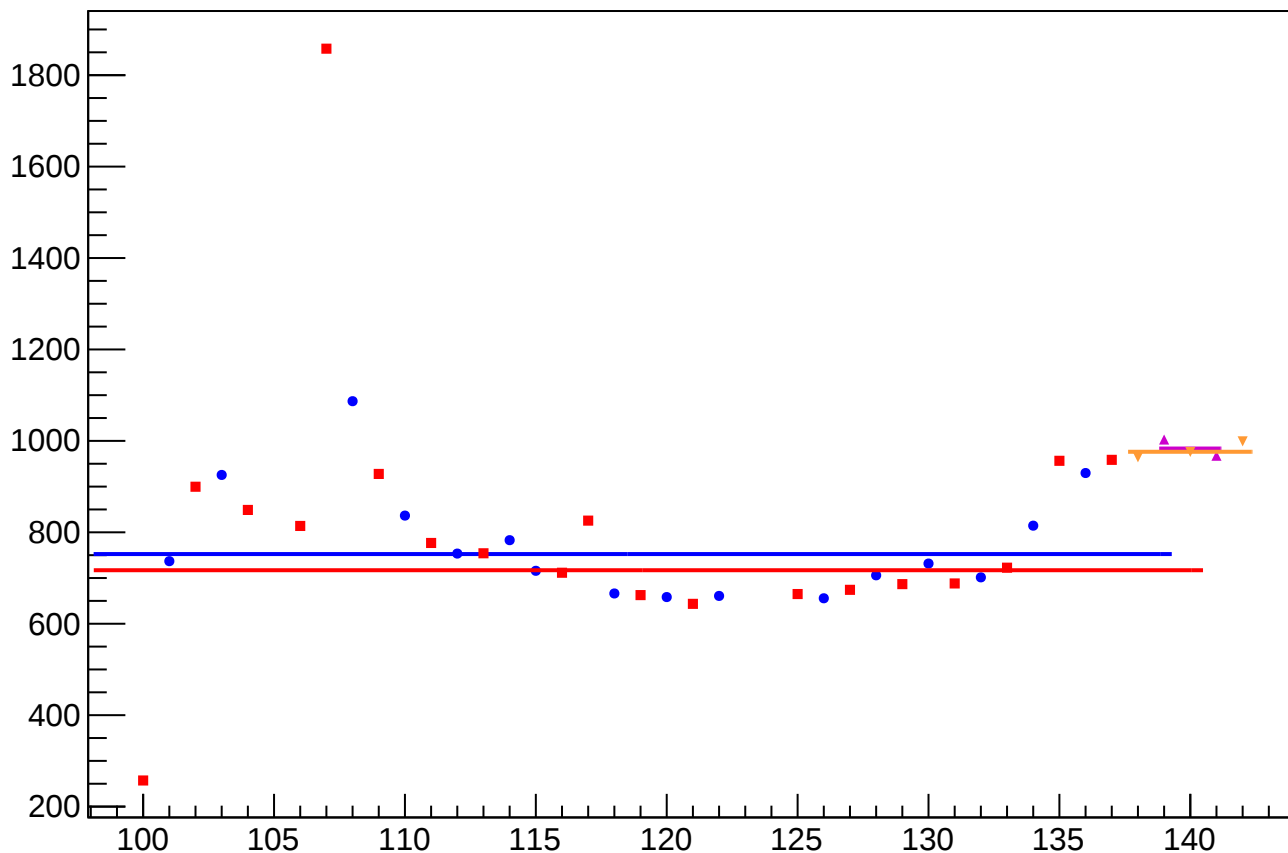
Left In: 178.551 $\pm$ 786.656 χ^2 /NDF: 0.1/1

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

978.724 $\pm$ 189.329 χ^2 /NDF: 37.2/39

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

asym_left_dd_rms vs Slug, Sign Corrected



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

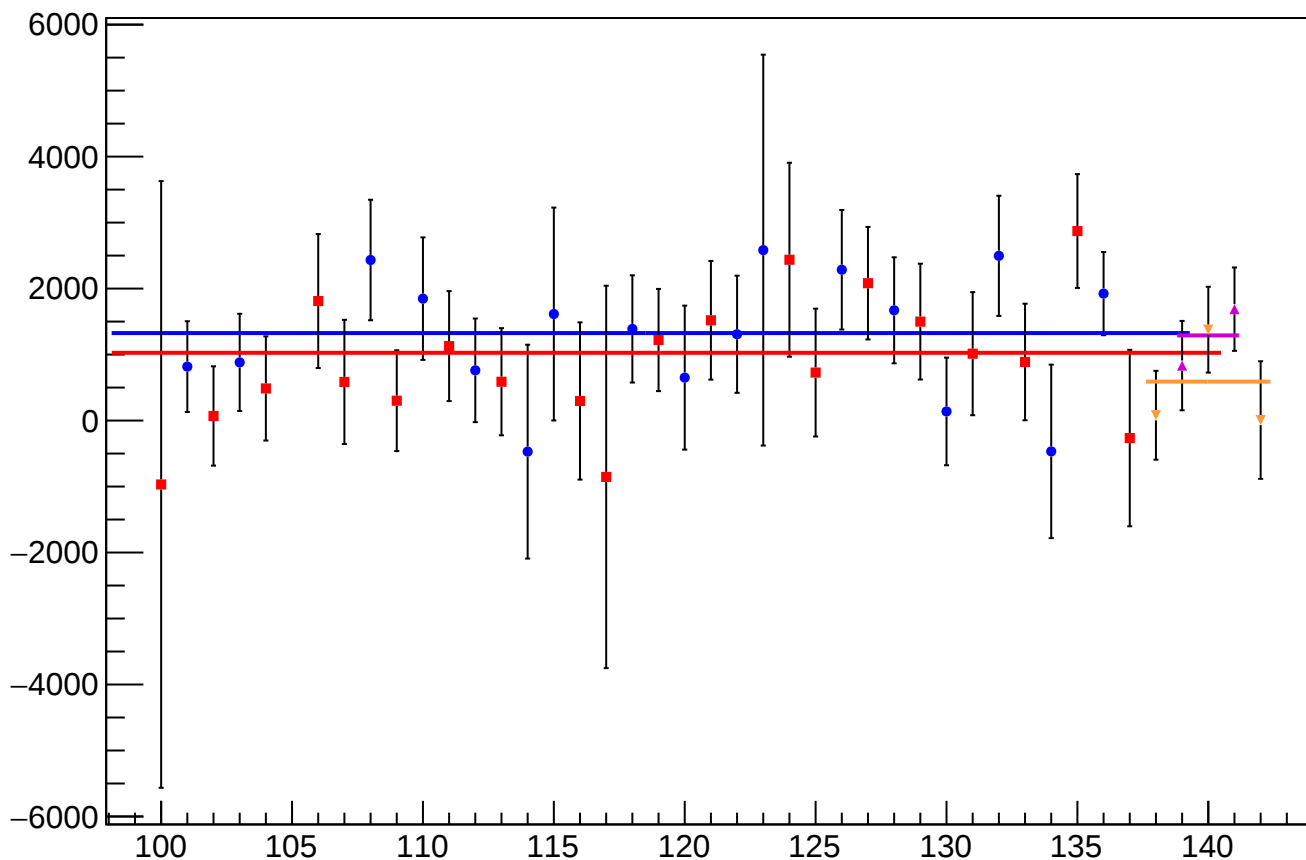
Left In: 983.263 +/- 0.556 χ^2/NDF : 1002.3/1

786.313 +/- 0.192 χ^2/NDF : 427577.1/18

766.088 +/- 0.134 χ^2/NDF : 1621780.7/39

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

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

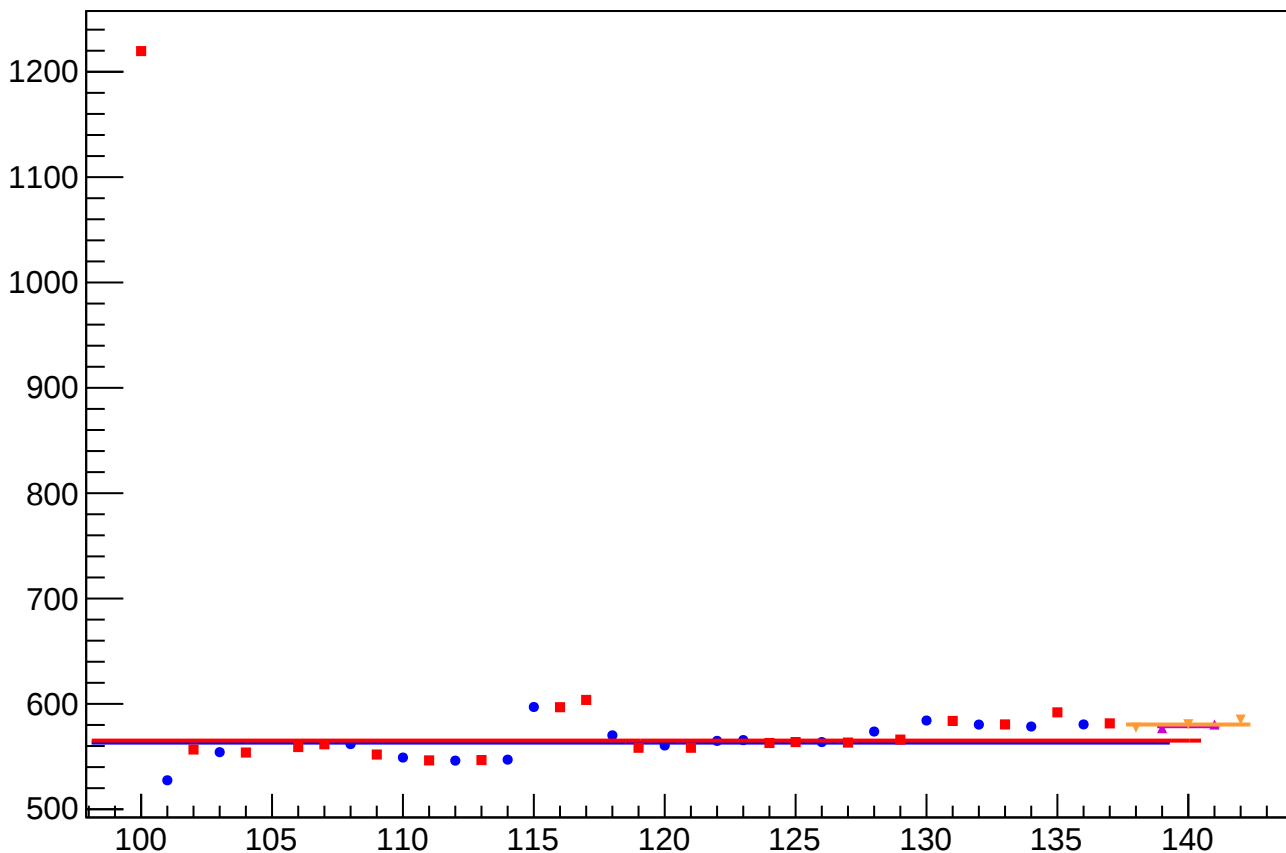
Left In: 1290.273 $\pm$ 461.832 χ^2 /NDF: 0.9/1

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

1119.053 $\pm$ 136.089 χ^2 /NDF: 32.9/41

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

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 580.410+/-0.293 $\chi^2/\text{NDF}: 93.3/2$

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

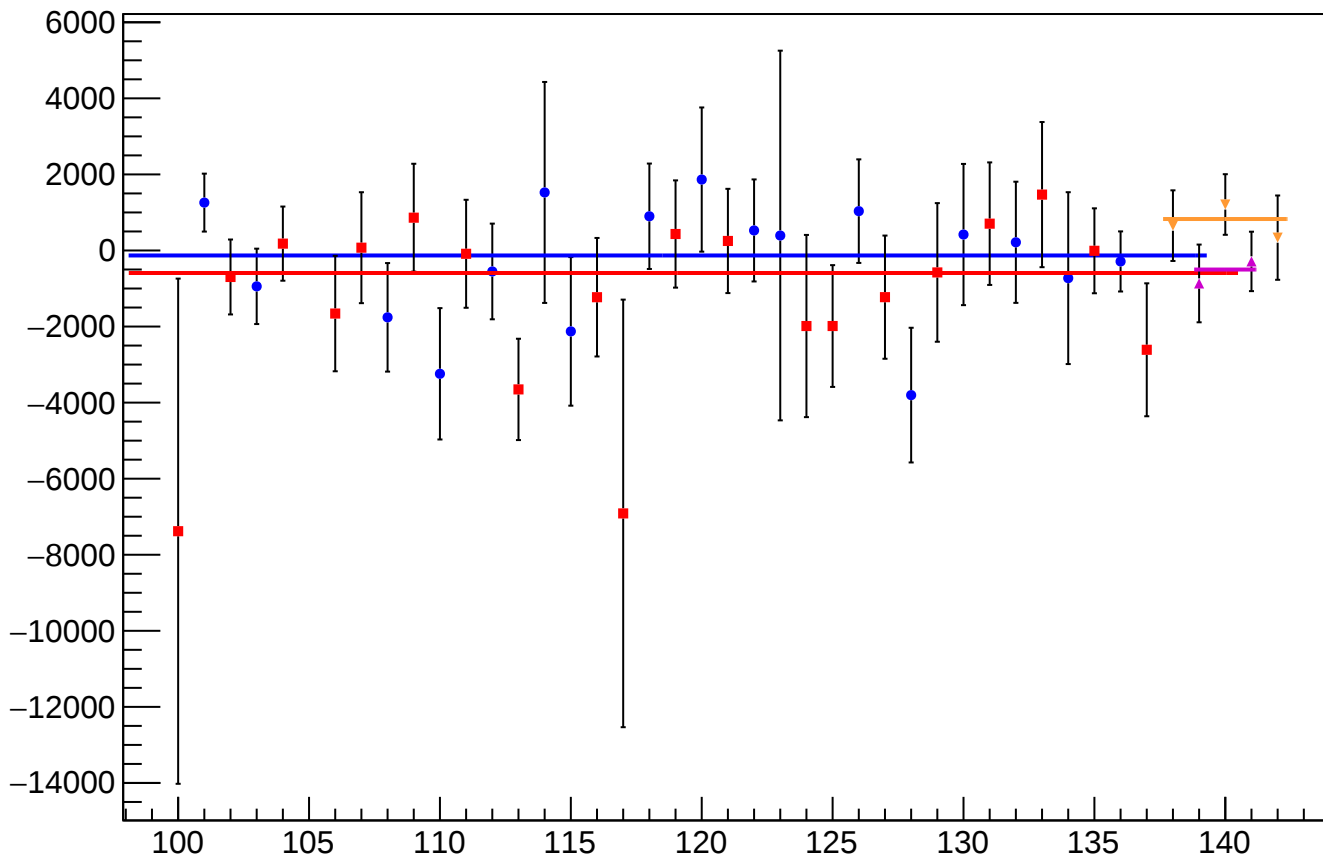
Left In: 578.793+/-0.327 χ^2/NDF :27.6/1

566.987+/-0.136 χ^2/NDF : 15296.0/19

567.248+/-0.096 χ^2/NDF : 66428.0/41

567.506+/-0.136 χ^2/NDF : 51124.7/21

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

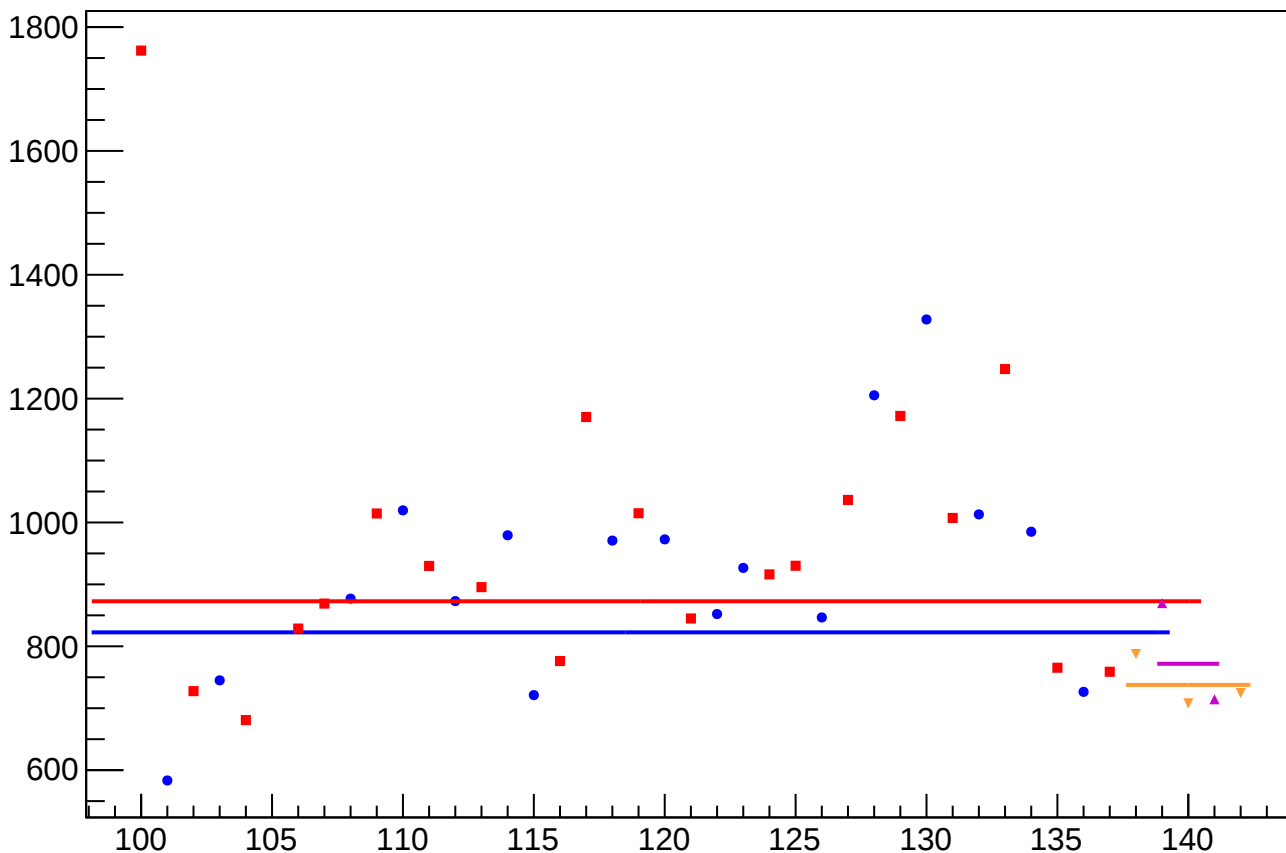
Left In: -501.133+/-620.650 χ^2/NDF : 0.2/1

133.269+/-278.772 χ^2/NDF : 20.0/19

-202.160+/-201.842 χ^2/NDF : 39.2/41

-571.760+/-292.627 χ^2/NDF : 16.1/21

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

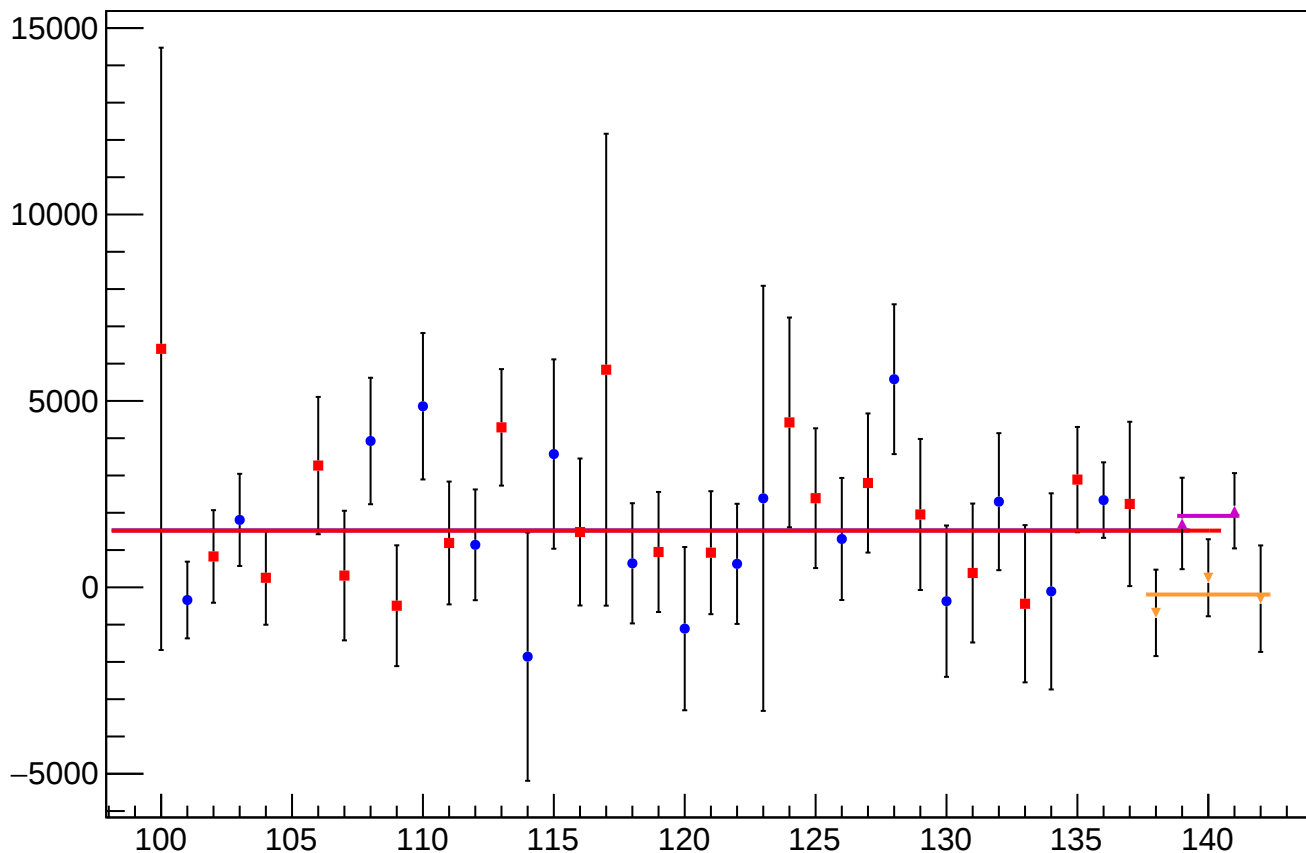
Left In: 771.800+/-0.439 χ^2/NDF : 29166.6/1

799.127+/-0.197 χ^2/NDF : 646774.8/19

823.467+/-0.143 χ^2/NDF : 1161590.8/41

850.285+/-0.207 χ^2/NDF : 482771.7/21

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: -192.217 $\pm$ 678.519 χ^2 /NDF: 0.4/2

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

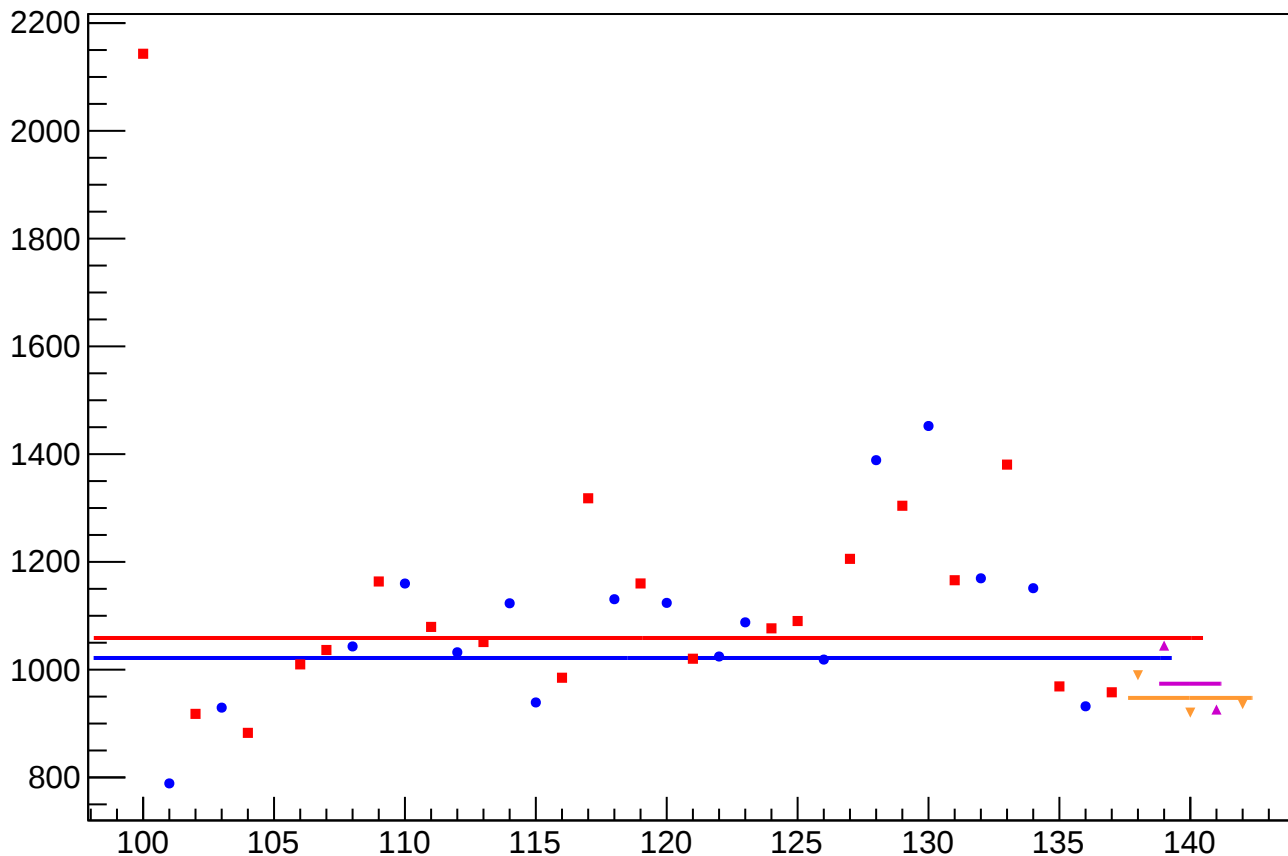
Left In: 1916.707 $\pm$ 779.444 χ^2 /NDF: 0.0/1

1079.541 $\pm$ 345.718 χ^2 /NDF: 23.4/19

1334.483 $\pm$ 247.771 χ^2 /NDF: 37.3/41

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

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 947.568 $\pm$ 0.480 χ^2 /NDF: 4158.4/2

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

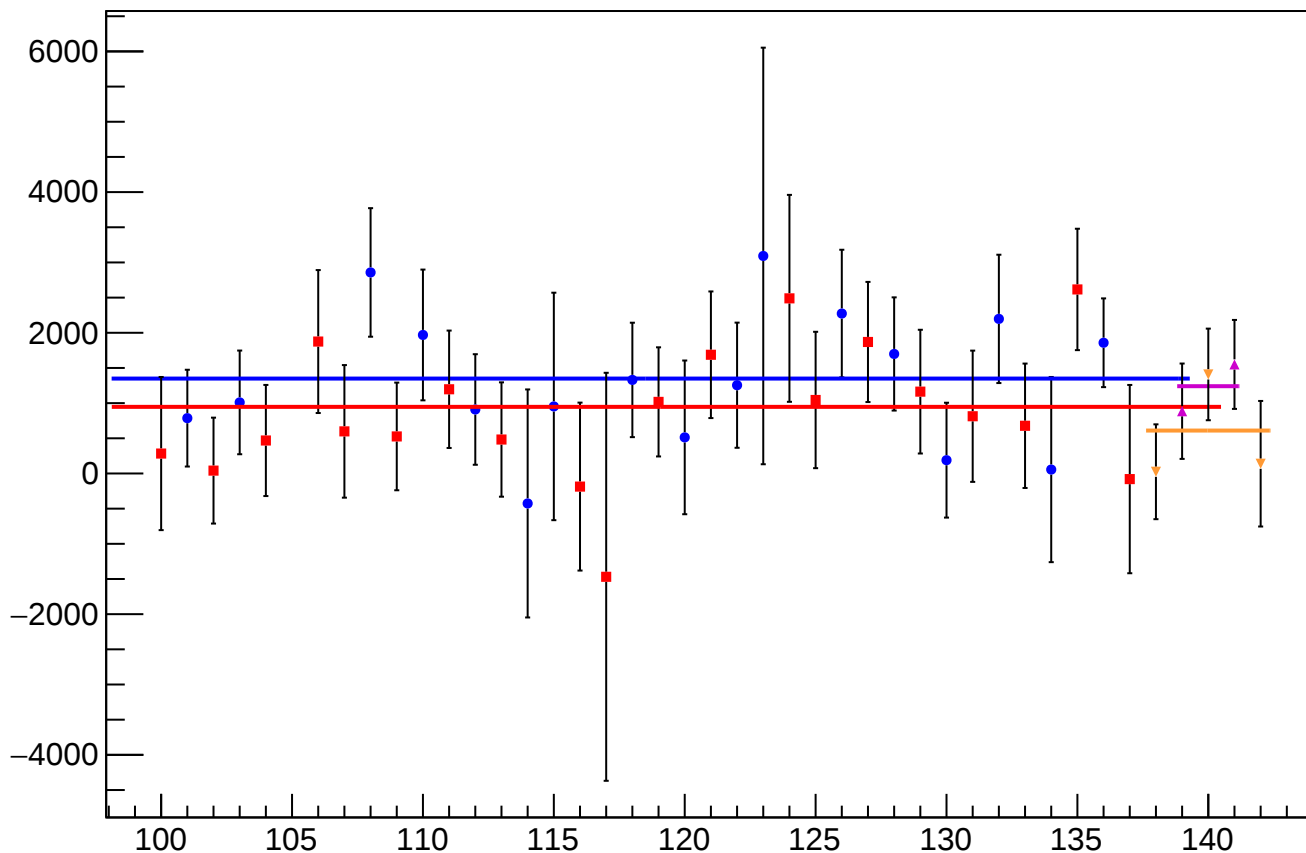
Left In: 973.922 $\pm$ 0.551 χ^2 /NDF: 11163.9/1

1002.428 $\pm$ 0.244 χ^2 /NDF: 353766.8/19

1021.262 $\pm$ 0.175 χ^2 /NDF: 630231.0/41

1041.152 $\pm$ 0.251 χ^2 /NDF: 264260.4/21

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

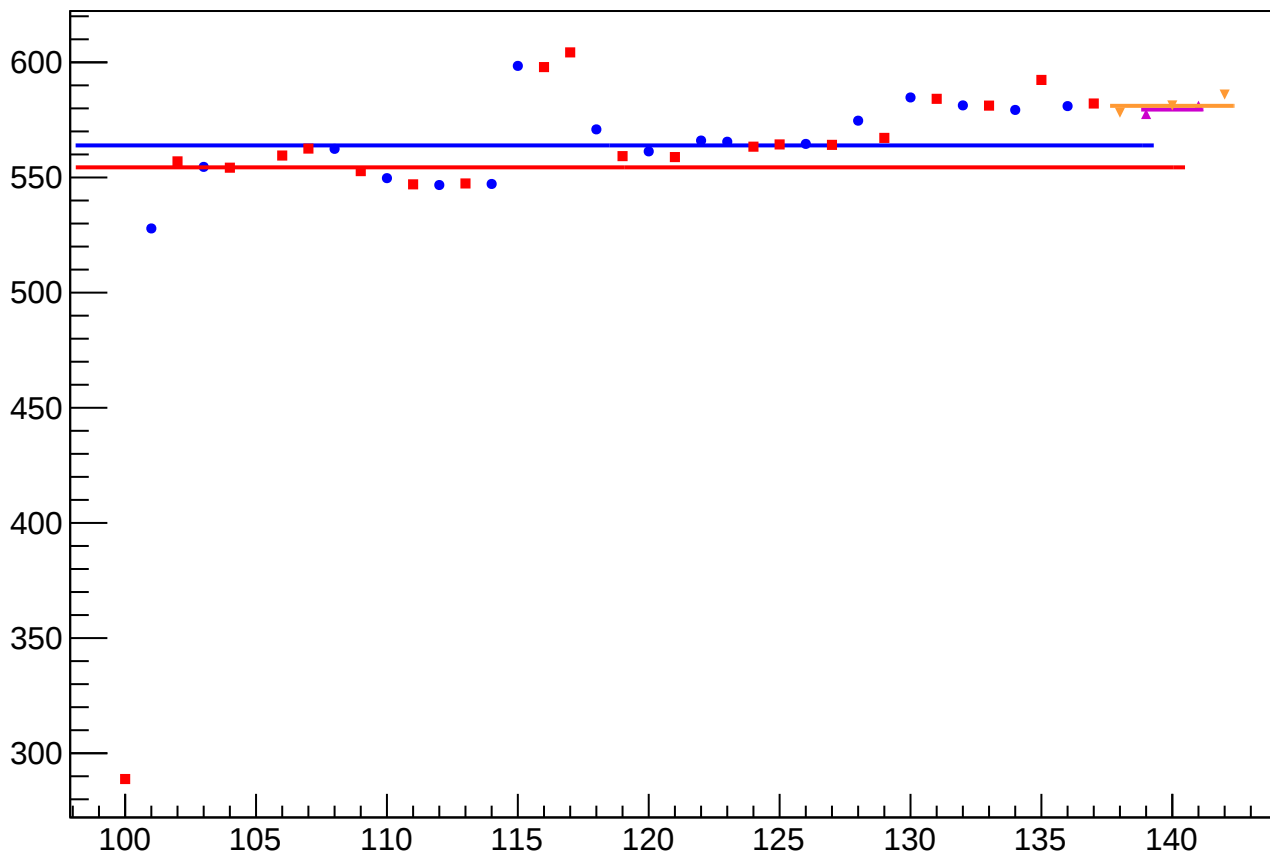
Left In: 1240.725 $\pm$ 462.389 χ^2 /NDF: 0.5/1

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

1090.617 $\pm$ 135.253 χ^2 /NDF: 31.6/41

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

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

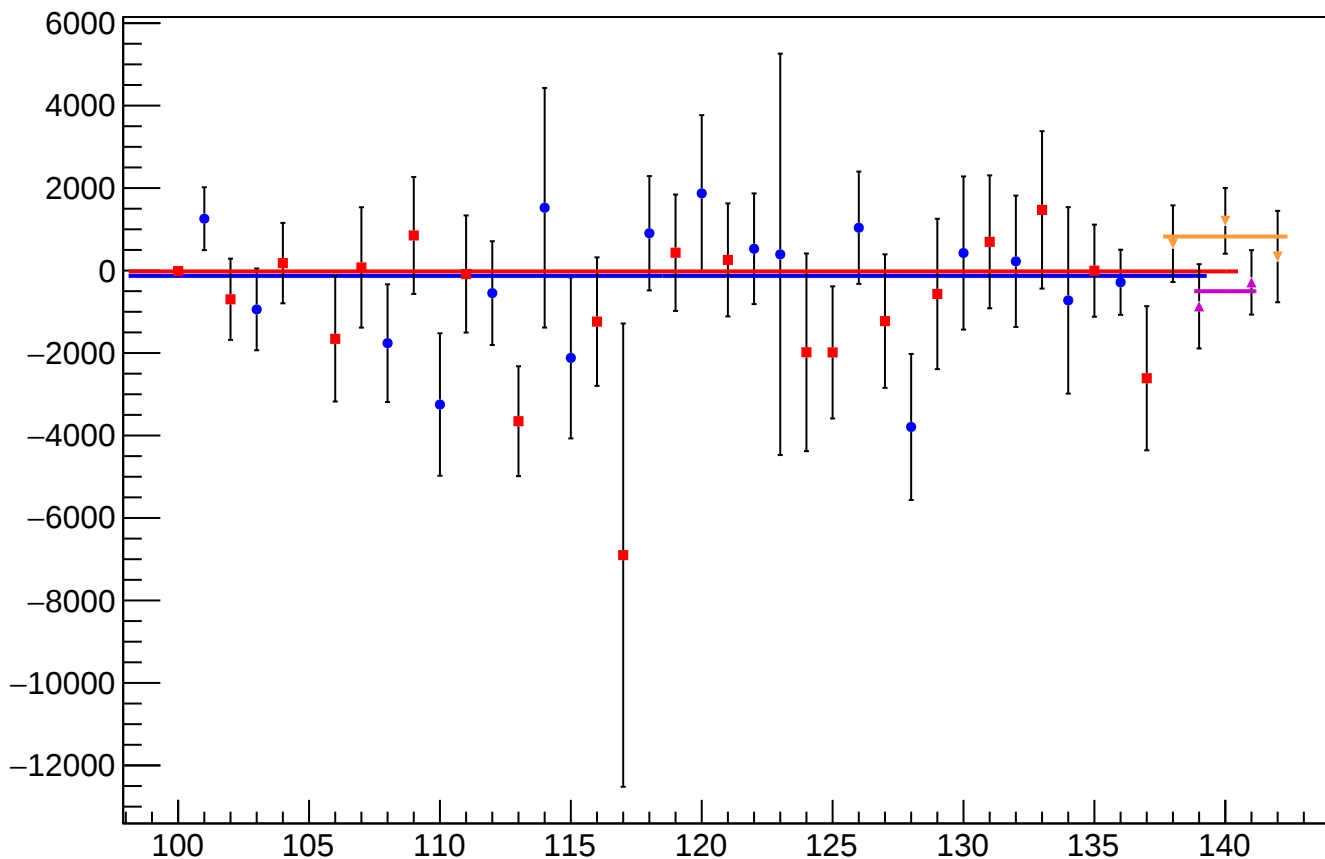
Left In: 579.491+/-0.327 χ^2 /NDF:30.4/1

567.653+/-0.137 χ^2 /NDF: 15452.2/19

563.042+/-0.096 χ^2 /NDF: 155177.4/41

558.611+/-0.134 χ^2 /NDF: 137491.5/21

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

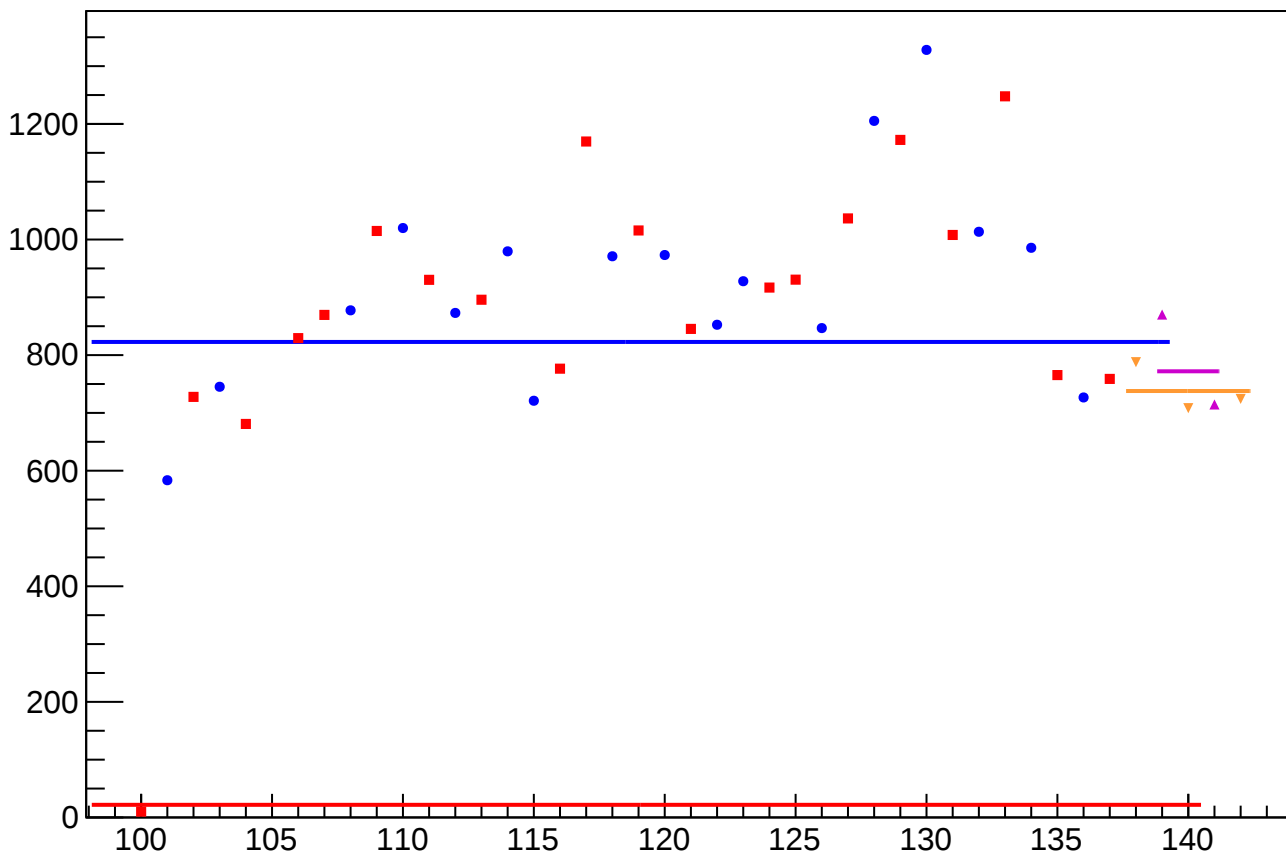
Left In: -501.071+/-620.814 χ^2/NDF : 0.2/1

134.447+/-278.855 χ^2/NDF : 20.0/19

-19.604+/-38.504 χ^2/NDF : 38.7/41

-22.598+/-38.877 χ^2/NDF : 18.4/21

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

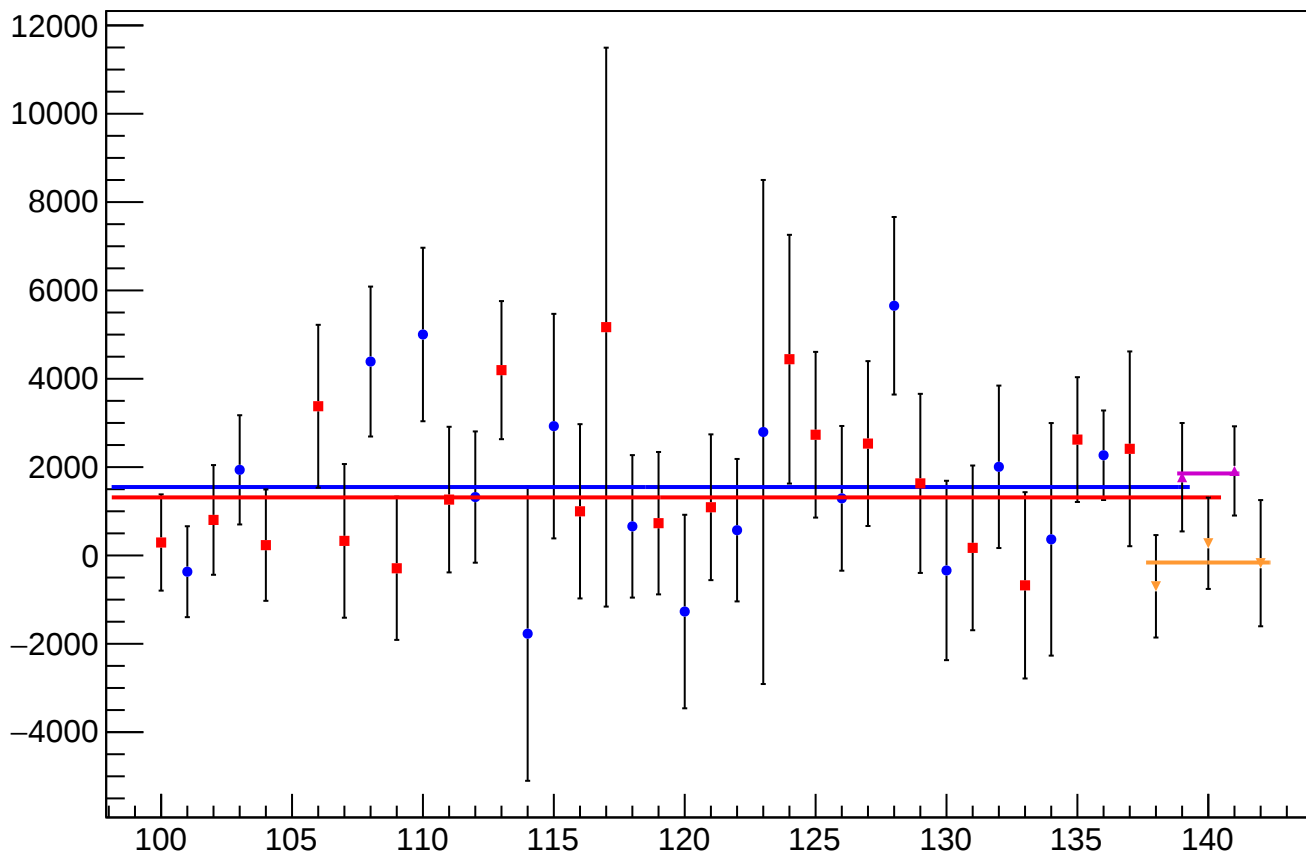
Left In: 771.984 $\pm$ 0.439 χ^2 /NDF:29244.6/1

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

39.577 $\pm$ 0.027 χ^2 /NDF: 32327608.3/41

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

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: -159.738 $\pm$ 678.964 χ^2 /NDF: 0.4/2

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

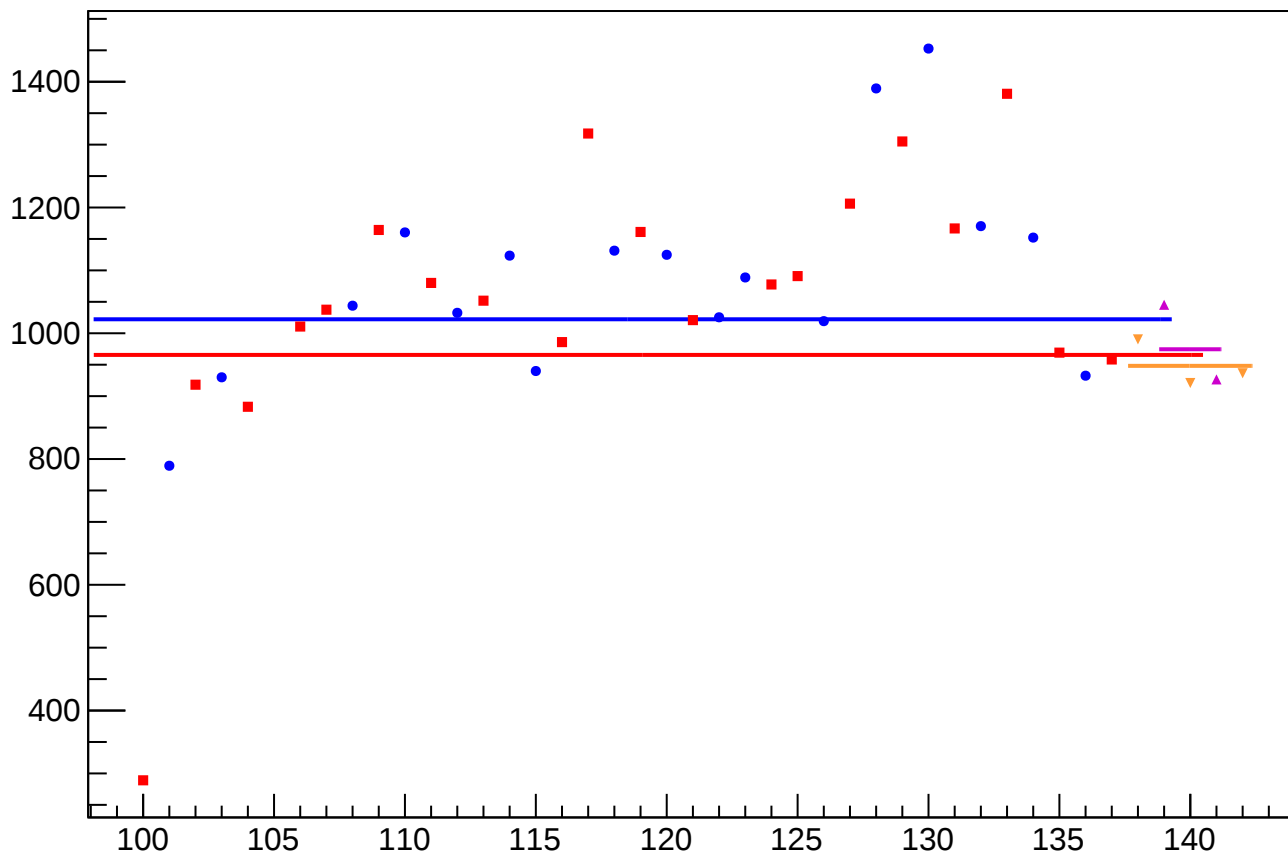
Left In: 1856.438 $\pm$ 779.954 χ^2 /NDF: 0.0/1

1105.364 $\pm$ 345.920 χ^2 /NDF: 24.1/19

1264.409 $\pm$ 241.843 χ^2 /NDF: 37.8/41

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

asym_right_dd_rms vs Slug, Sign Corrected



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

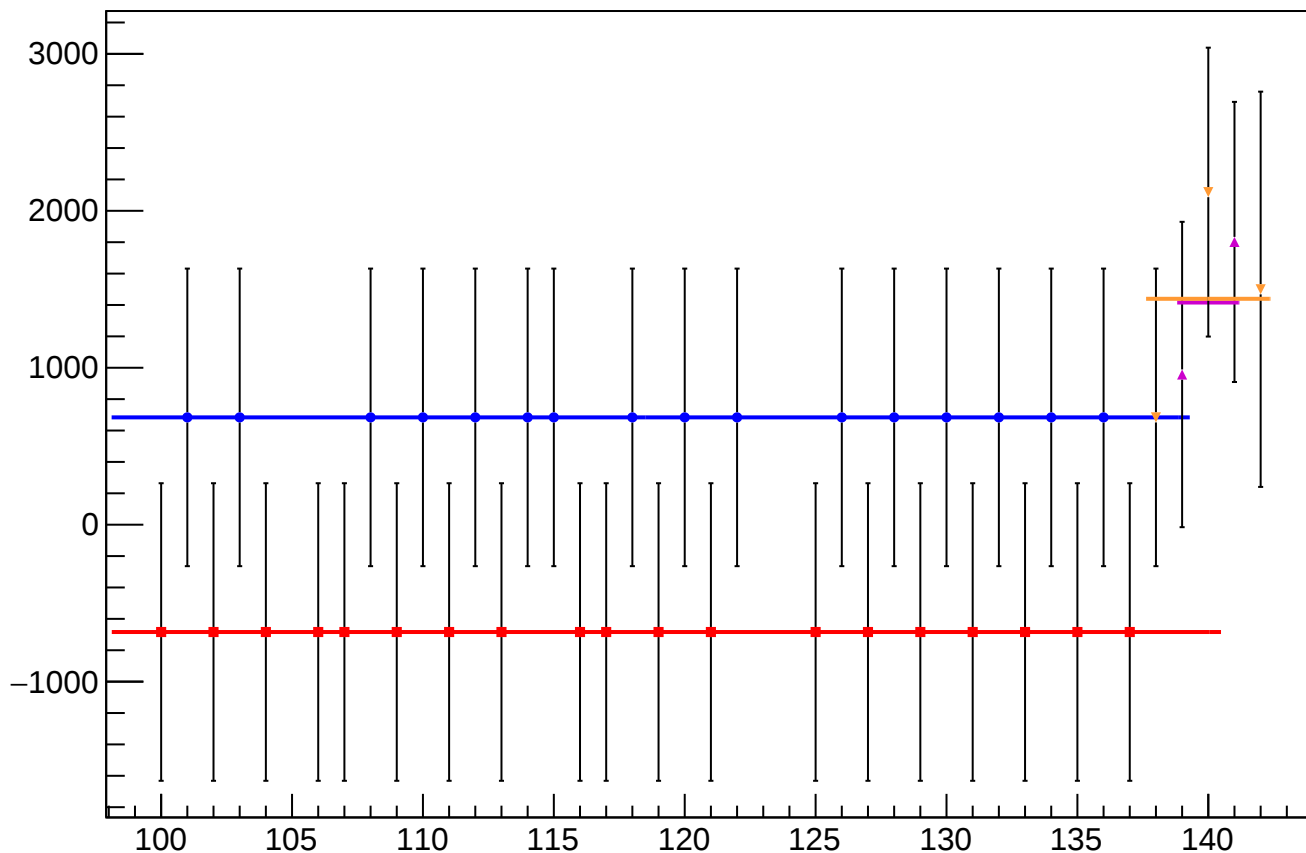
Left In: 974.562+/-0.552 χ^2/NDF : 11152.1/1

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

984.740+/-0.171 χ^2/NDF : 1449436.5/41

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

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

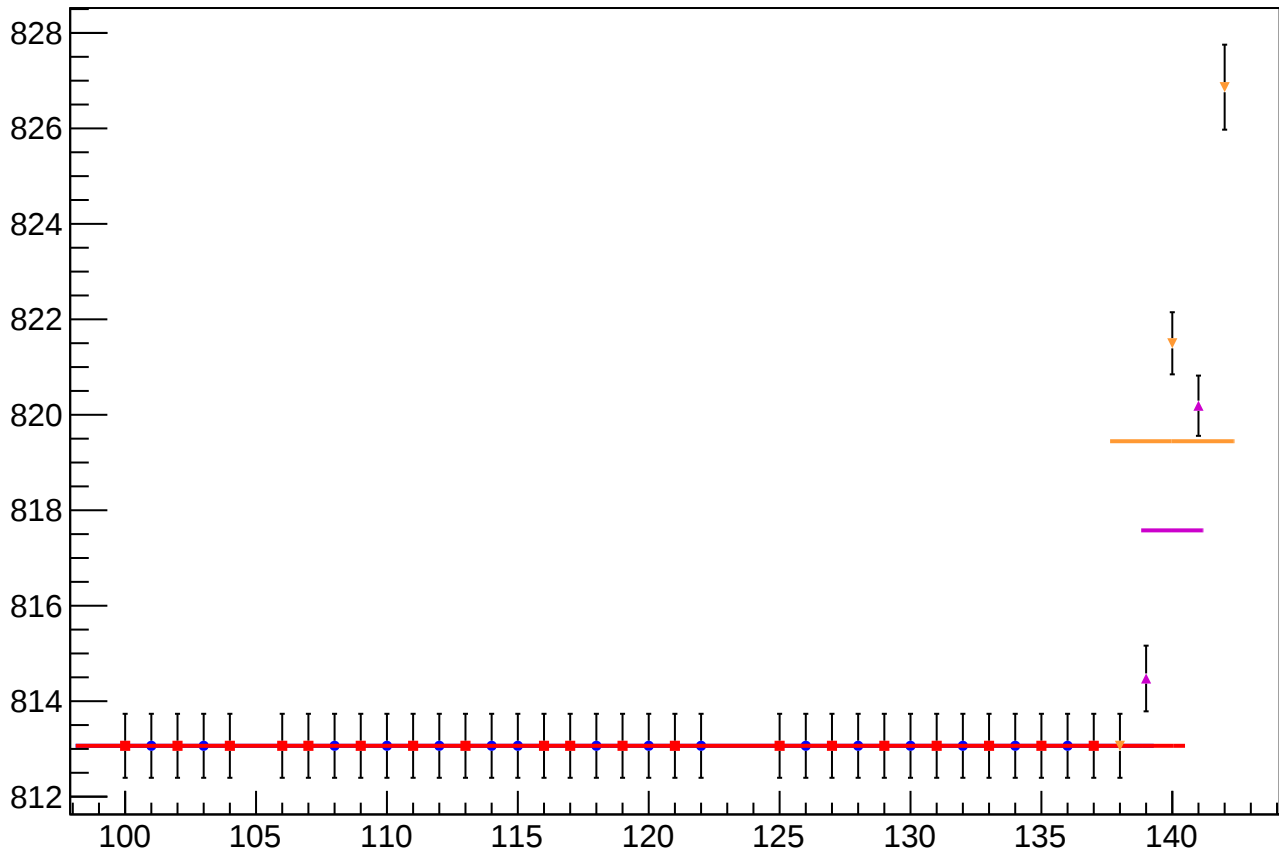
Left In: 1415.661 ± 657.662 χ^2/NDF : 0.4/1

790.403 ± 219.659 χ^2/NDF : 2.6/18

117.680 ± 150.453 χ^2/NDF : 29.9/39

-476.839 ± 206.497 χ^2/NDF : 9.6/20

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 813.065+/-0.168 χ^2/NDF : 0.0/15

Left Out: 819.446+/-0.414 χ^2/NDF : 169.9/2

Right Out: 813.065+/-0.154 χ^2/NDF : 0.0/18

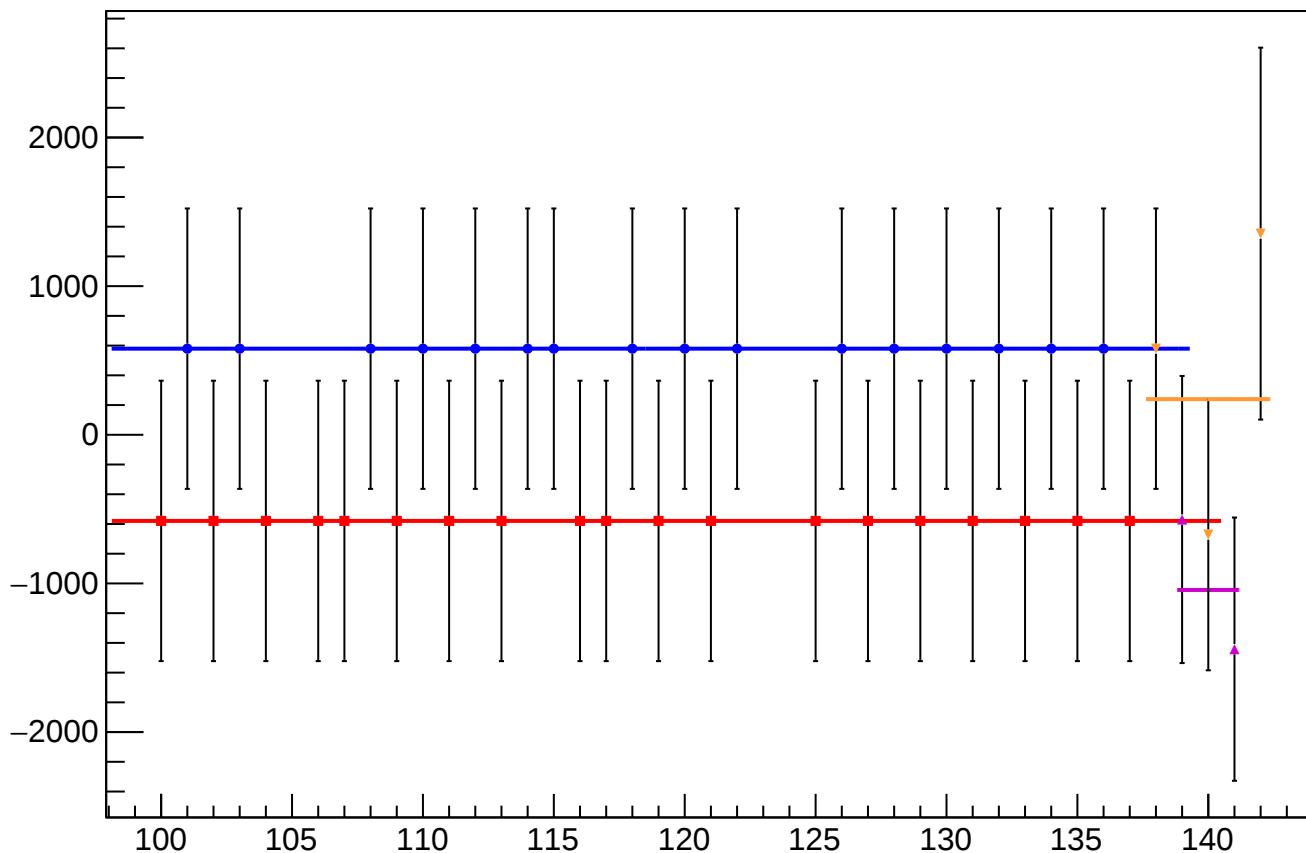
Left In: 817.579+/-0.465 χ^2/NDF : 37.5/1

813.966+/-0.155 χ^2/NDF : 374.4/18

813.724+/-0.106 χ^2/NDF : 501.4/39

813.510+/-0.146 χ^2/NDF : 122.4/20

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: 579.419 ± 235.812 χ^2/NDF : 0.0/15

Left Out: 239.858 ± 581.001 χ^2/NDF : 1.9/2

Right Out: -579.419 ± 216.396 χ^2/NDF : 0.0/18

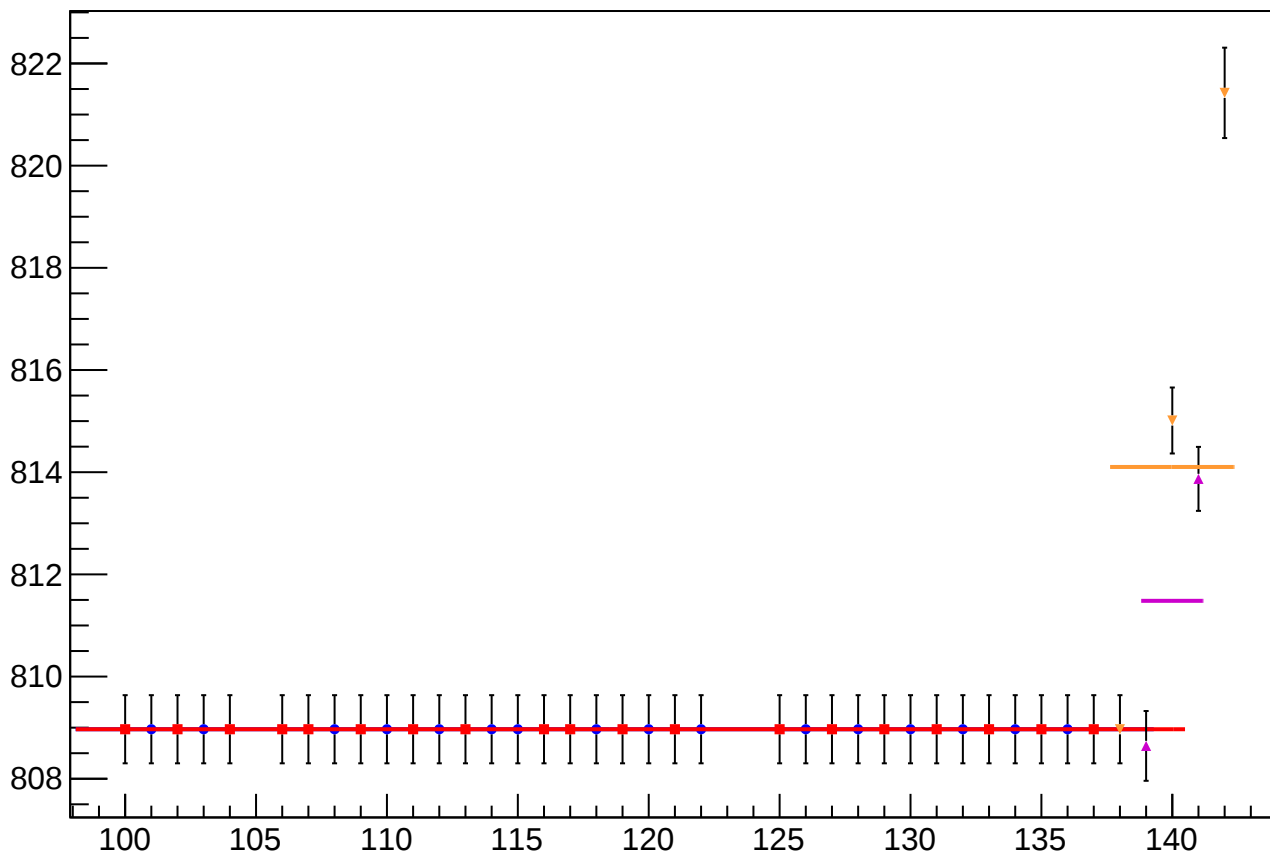
Left In: -1043.856 ± 652.711 χ^2/NDF : 0.4/1

531.394 ± 218.501 χ^2/NDF : 2.2/18

-82.721 ± 149.658 χ^2/NDF : 18.0/39

-625.413 ± 205.402 χ^2/NDF : 0.9/20

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 808.969+/-0.167 χ^2/NDF : 0.0/15

Left Out: 814.102+/-0.411 χ^2/NDF :129.7/2

Right Out: 808.969+/-0.153 χ^2/NDF : 0.0/18

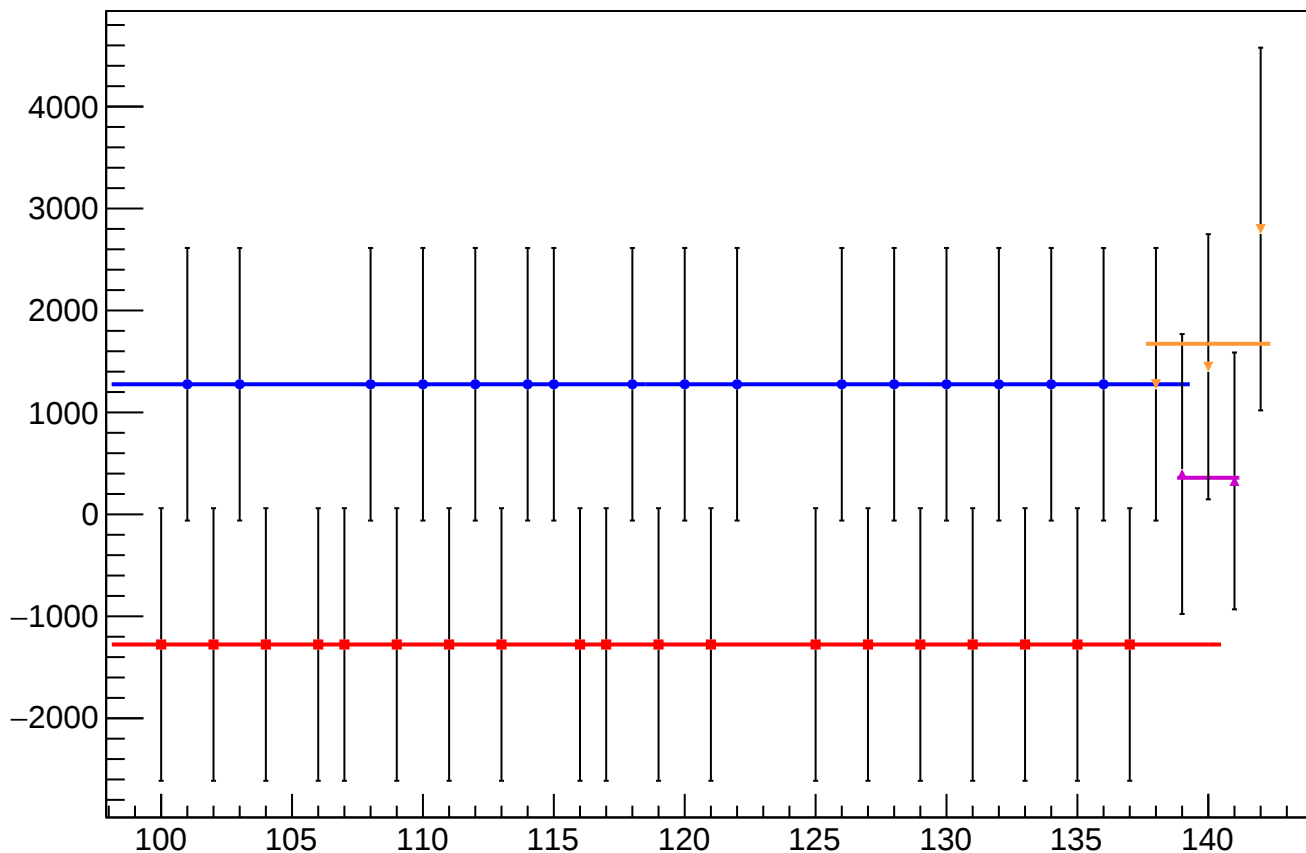
Left In: 811.482+/-0.462 χ^2/NDF :31.8/1

809.695+/-0.155 χ^2/NDF : 263.8/18

809.442+/-0.106 χ^2/NDF : 327.4/39

809.218+/-0.145 χ^2/NDF : 58.5/20

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1276.244 $\pm$ 334.229 χ^2/NDF : 0.0/15

Left Out: 1673.424 $\pm$ 825.692 χ^2/NDF : 0.5/2

Right Out: -1276.244 $\pm$ 306.710 χ^2/NDF : 0.0/18

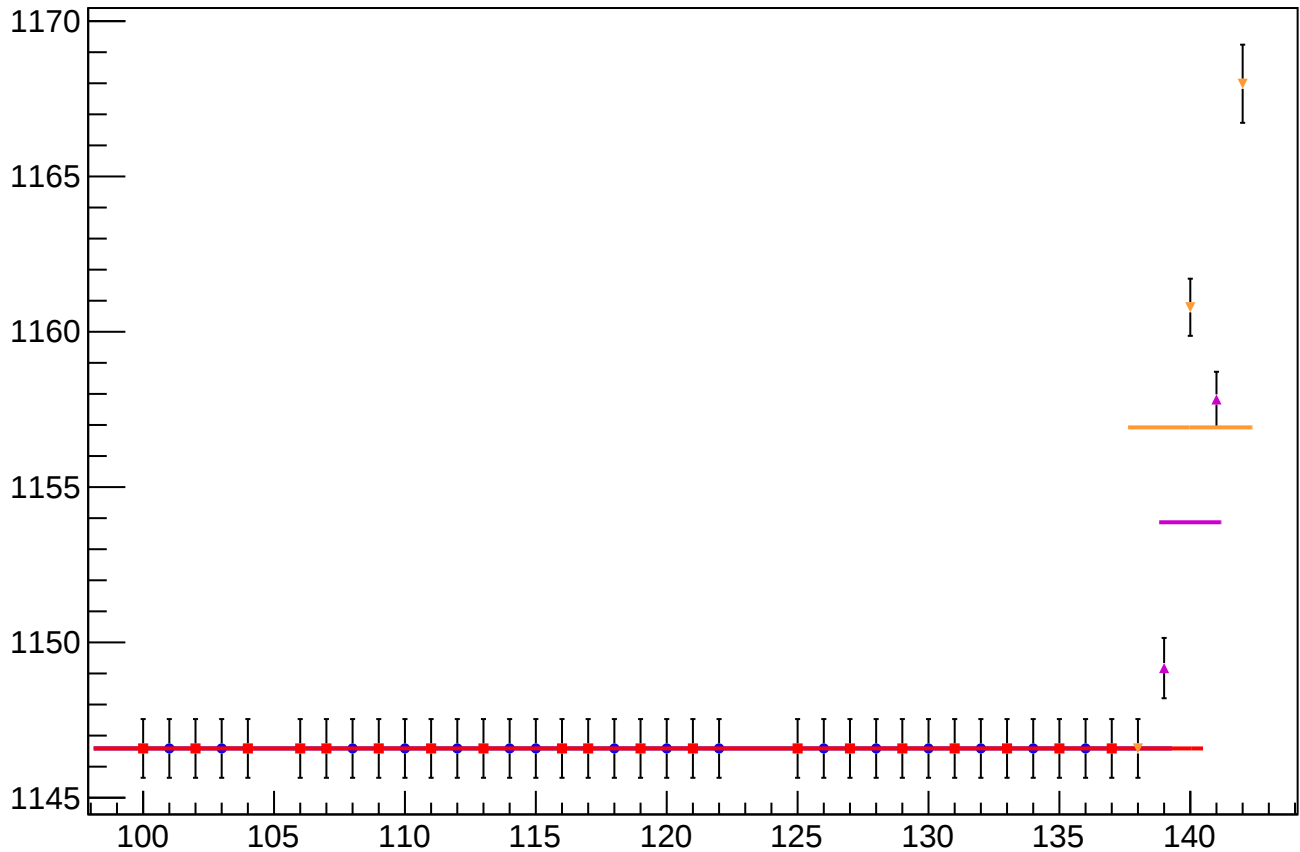
Left In: 359.063 $\pm$ 928.133 χ^2/NDF : 0.0/1

1332.161 $\pm$ 309.810 χ^2/NDF : 0.7/18

32.834 $\pm$ 212.192 χ^2/NDF : 36.6/39

-1115.245 $\pm$ 291.221 χ^2/NDF : 2.8/20

cor_asym_usl_rms vs Slug, Sign Corrected



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

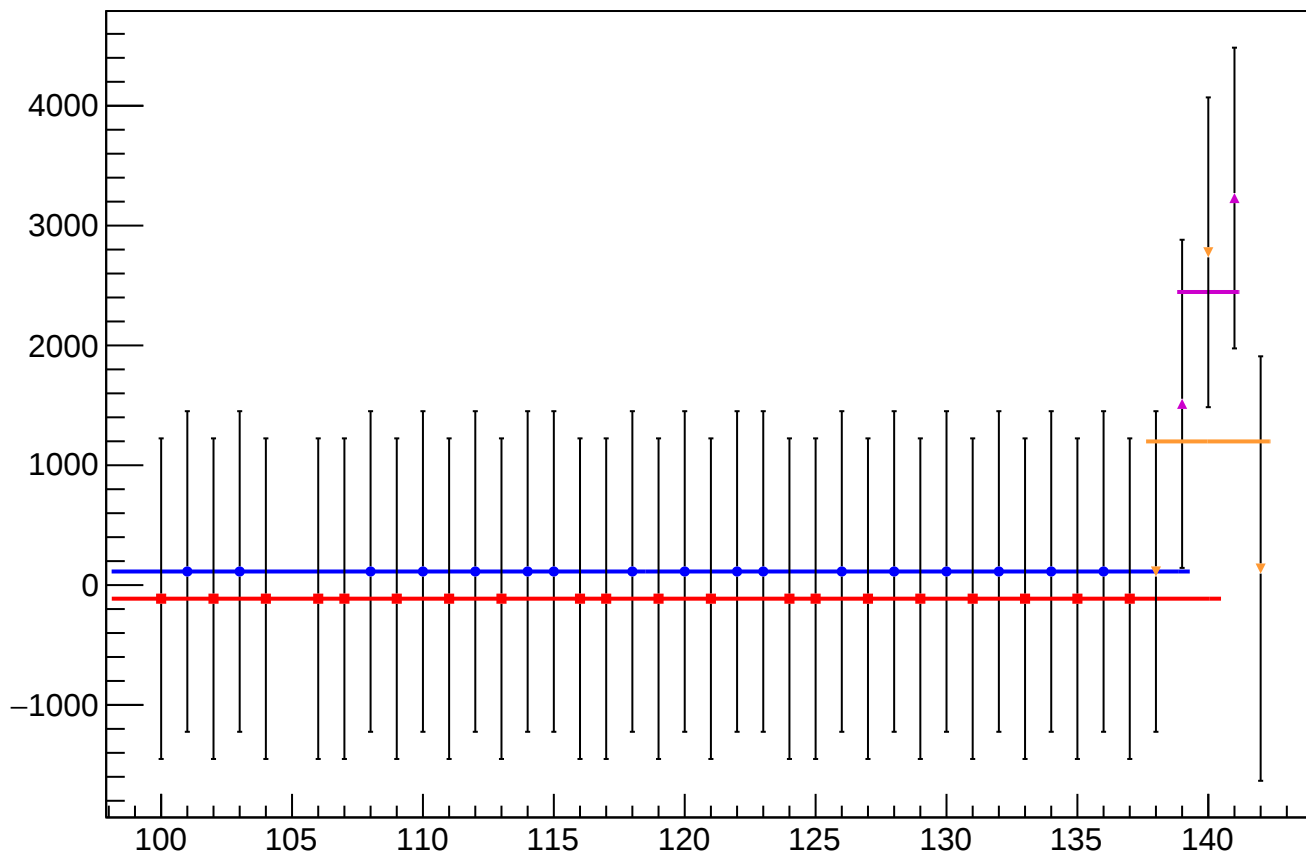
Left In: 1153.867 $\pm$ 0.656 χ^2 /NDF: 43.1/1

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

1147.650 $\pm$ 0.150 χ^2 /NDF: 643.9/39

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

cor_asym_usr_mean vs Slug, Sign Corrected



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

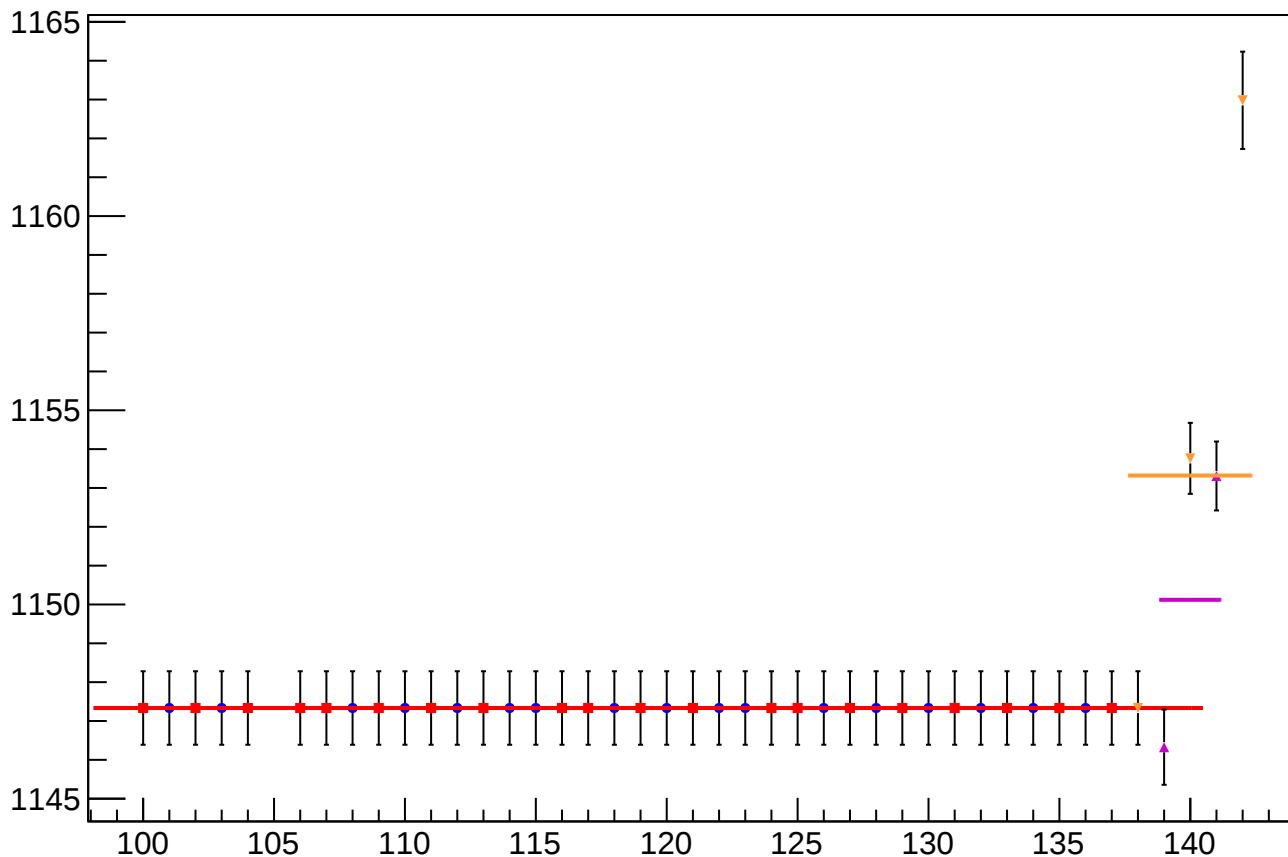
Left In: 2445.897+/-925.114 χ^2 /NDF: 0.9/1

259.409+/-301.856 χ^2 /NDF: 4.0/19

190.294+/-207.086 χ^2 /NDF: 11.9/41

128.844+/-284.629 χ^2 /NDF: 7.8/21

cor_asym_usr_rms vs Slug, Sign Corrected



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

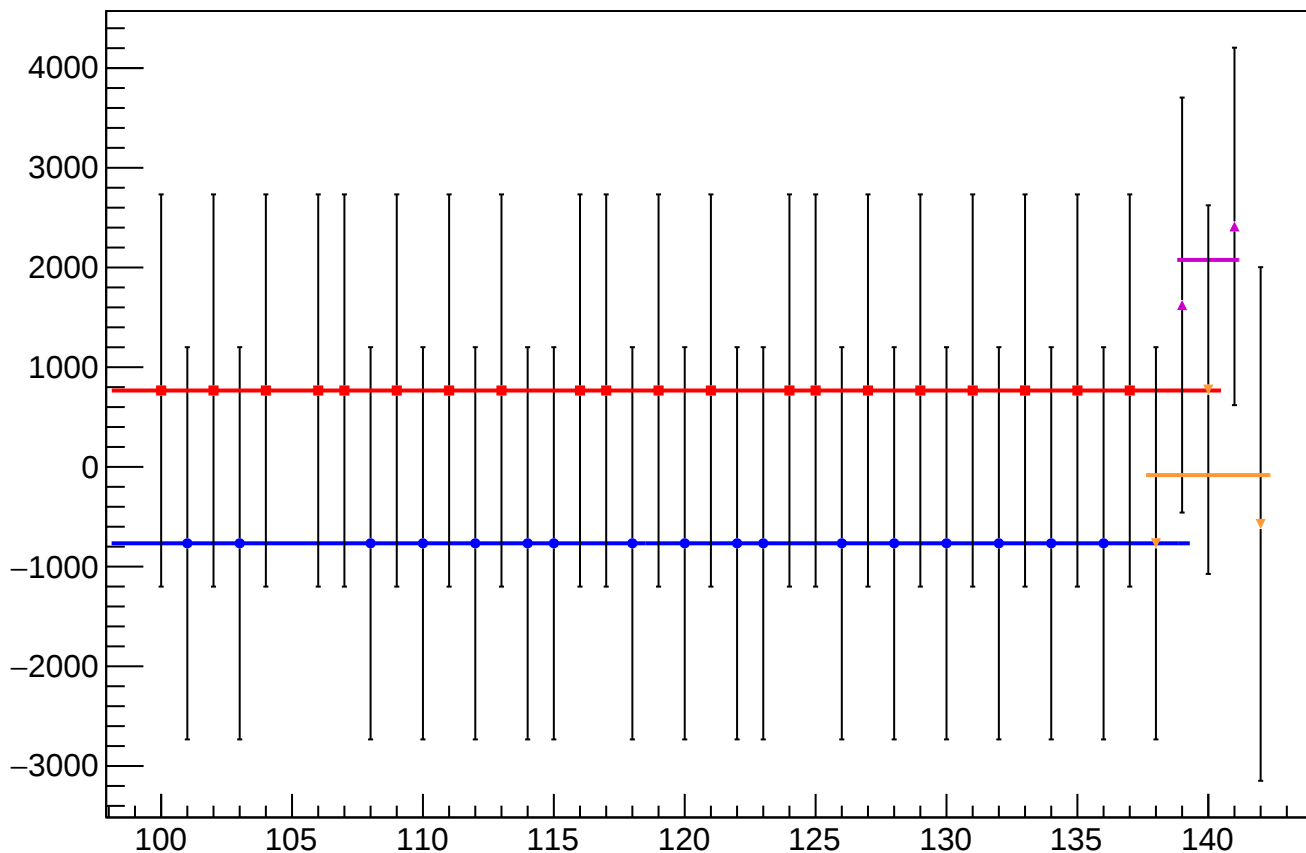
Left In: 1150.120 $\pm$ 0.654 χ^2 /NDF: 28.3/1

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

1147.853 $\pm$ 0.146 χ^2 /NDF: 239.4/41

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

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

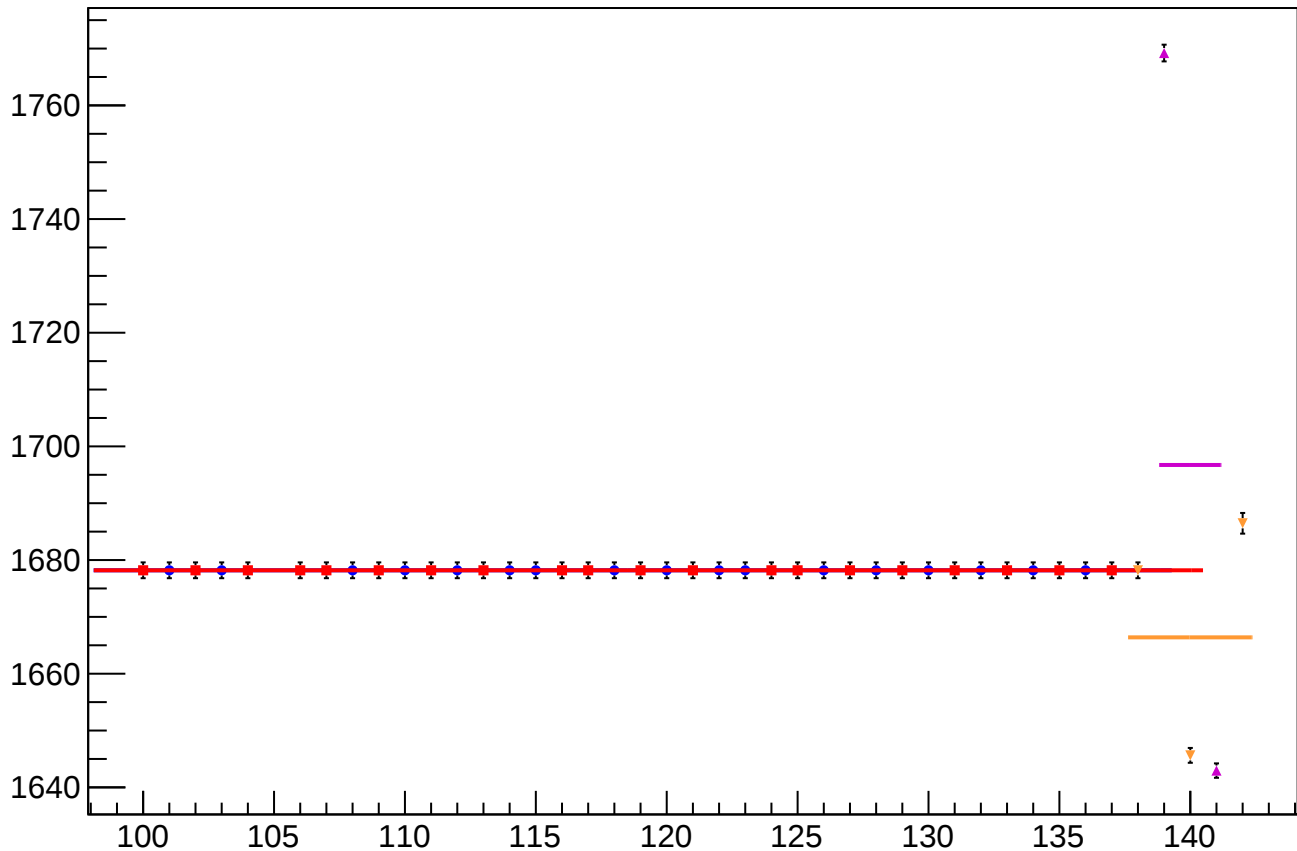
Left In: 2076.129+/-1358.304 χ^2/NDF : 0.1/1

-672.014+/-443.000 χ^2/NDF : 0.7/19

153.782+/-304.195 χ^2/NDF : 8.2/41

890.565+/-418.444 χ^2/NDF : 0.9/21

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1678.197 $\pm$ 0.337 χ^2 /NDF: 0.0/16

Left Out: 1666.396 $\pm$ 0.844 χ^2 /NDF:445.7/2

Right Out: 1678.197 $\pm$ 0.311 χ^2 /NDF: 0.0/19

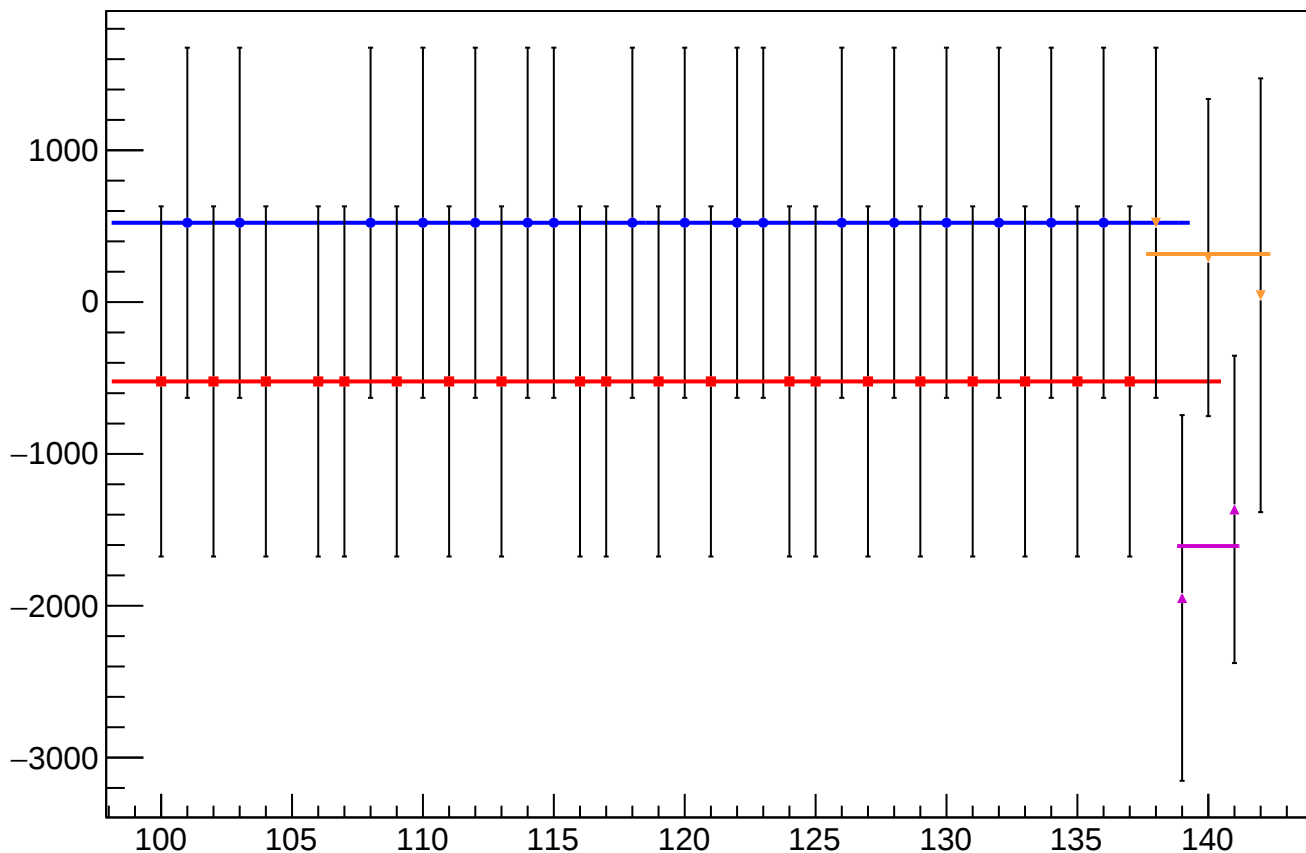
Left In: 1696.730 $\pm$ 0.960 χ^2 /NDF:4225.5/1

1676.571 $\pm$ 0.313 χ^2 /NDF: 614.2/19

1678.360 $\pm$ 0.215 χ^2 /NDF: 5238.4/41

1679.955 $\pm$ 0.296 χ^2 /NDF: 4562.5/21

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

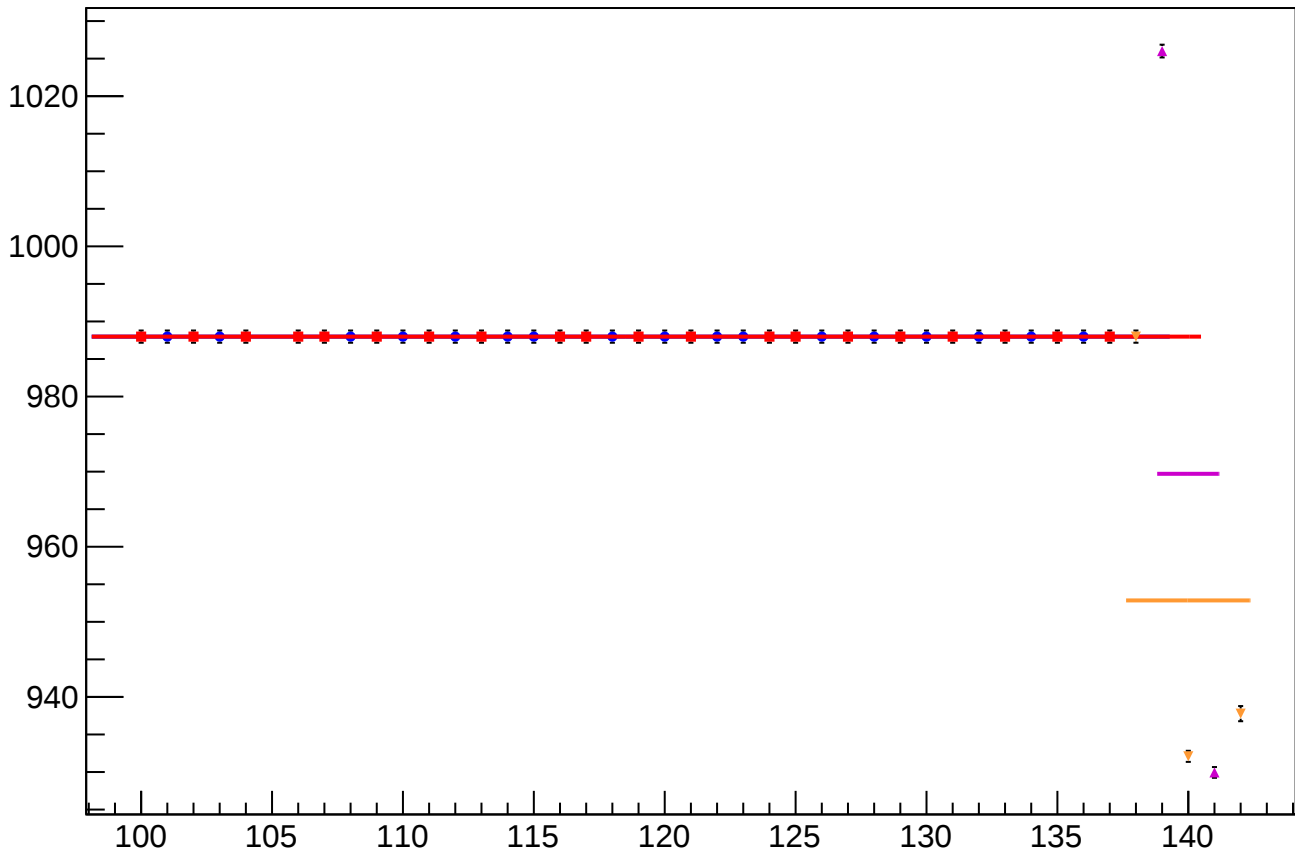
Left In: -1606.756 $\pm$ 774.797 χ^2/NDF : 0.1/1

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

-100.214 $\pm$ 177.760 χ^2/NDF : 12.0/41

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

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

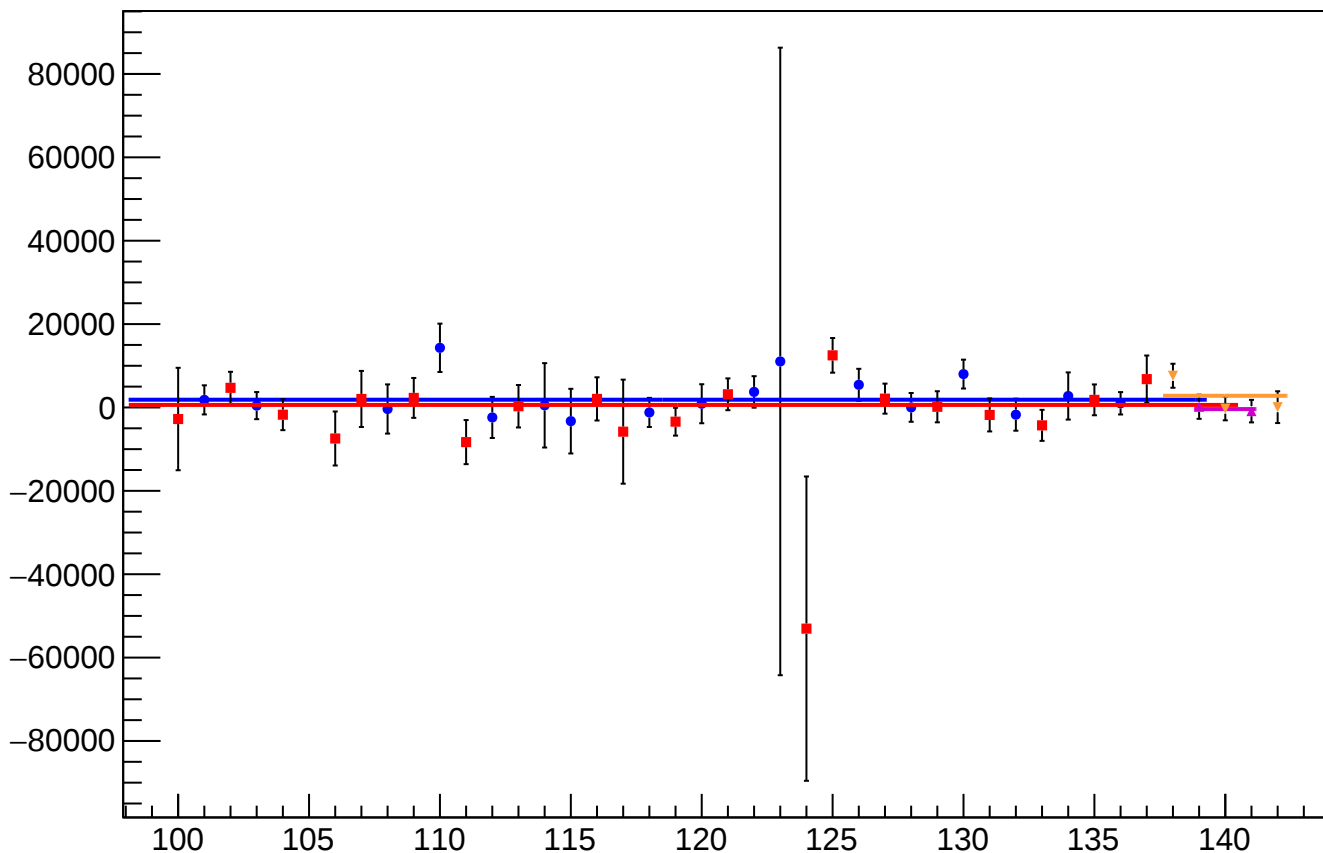
Left In: 969.711 $\pm$ 0.548 χ^2 /NDF: 7458.0/1

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

984.622 $\pm$ 0.126 χ^2 /NDF: 16052.3/41

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

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2808.545 $\pm$ 1777.935 χ^2 /NDF: 4.5/2

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

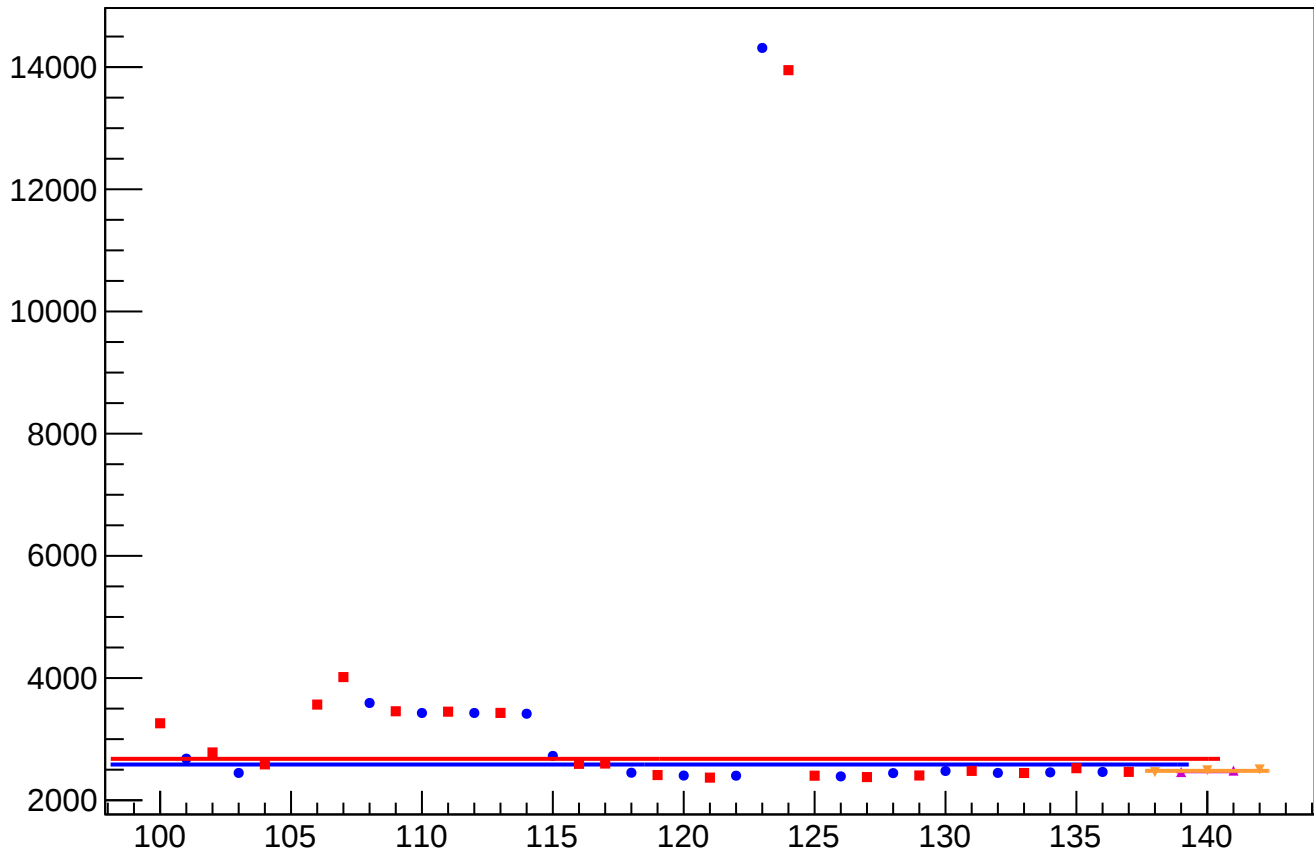
Left In: -387.651 $\pm$ 1977.568 χ^2 /NDF: 0.1/1

2092.437 $\pm$ 880.449 χ^2 /NDF: 17.2/19

1271.652 $\pm$ 631.669 χ^2 /NDF: 41.6/41

401.072 $\pm$ 906.763 χ^2 /NDF: 22.6/21

reg_asym_atl1_rms vs Slug, Sign Corrected



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

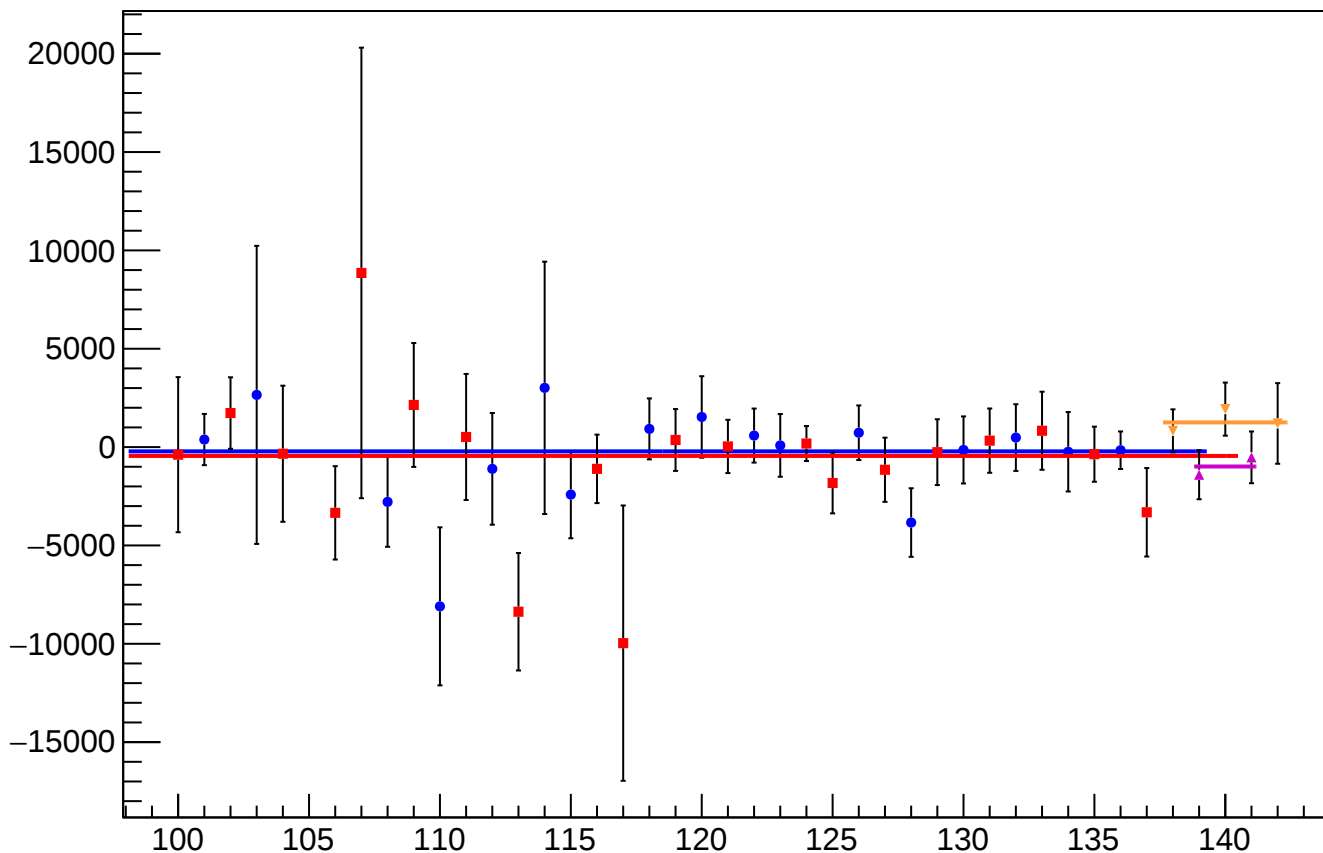
Left In: 2474.182+/-1.398 χ^2/NDF : 70.4/1

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

2596.027+/-0.447 χ^2/NDF : 817189.5/41

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

asym_atl1_correction_mean vs Slug, Sign Corrected



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

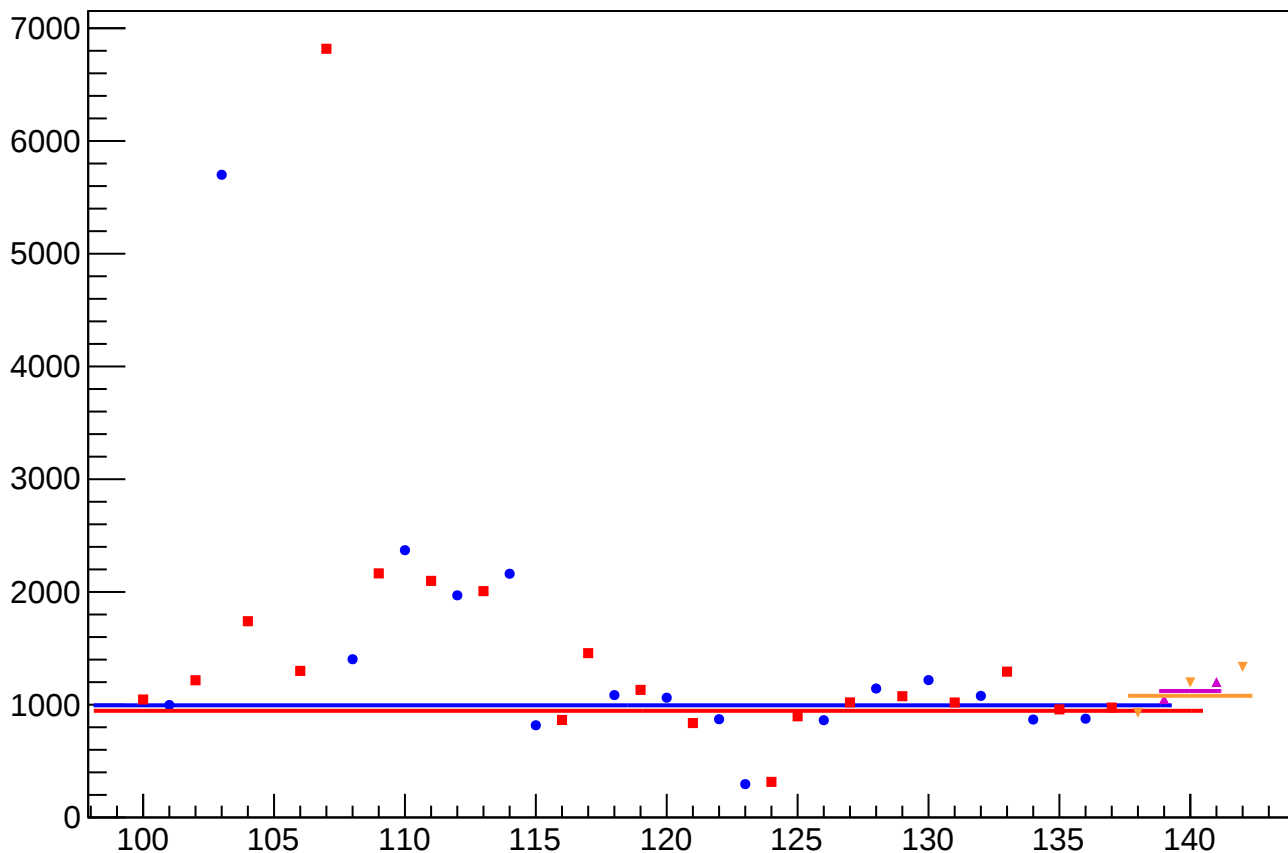
Left In: -986.966 ± 904.963 χ^2/NDF : 0.2/1

110.927 ± 370.321 χ^2/NDF : 16.5/19

-213.207 ± 262.504 χ^2/NDF : 36.1/41

-540.563 ± 372.158 χ^2/NDF : 18.1/21

asym_atl1_correction_rms vs Slug, Sign Corrected



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

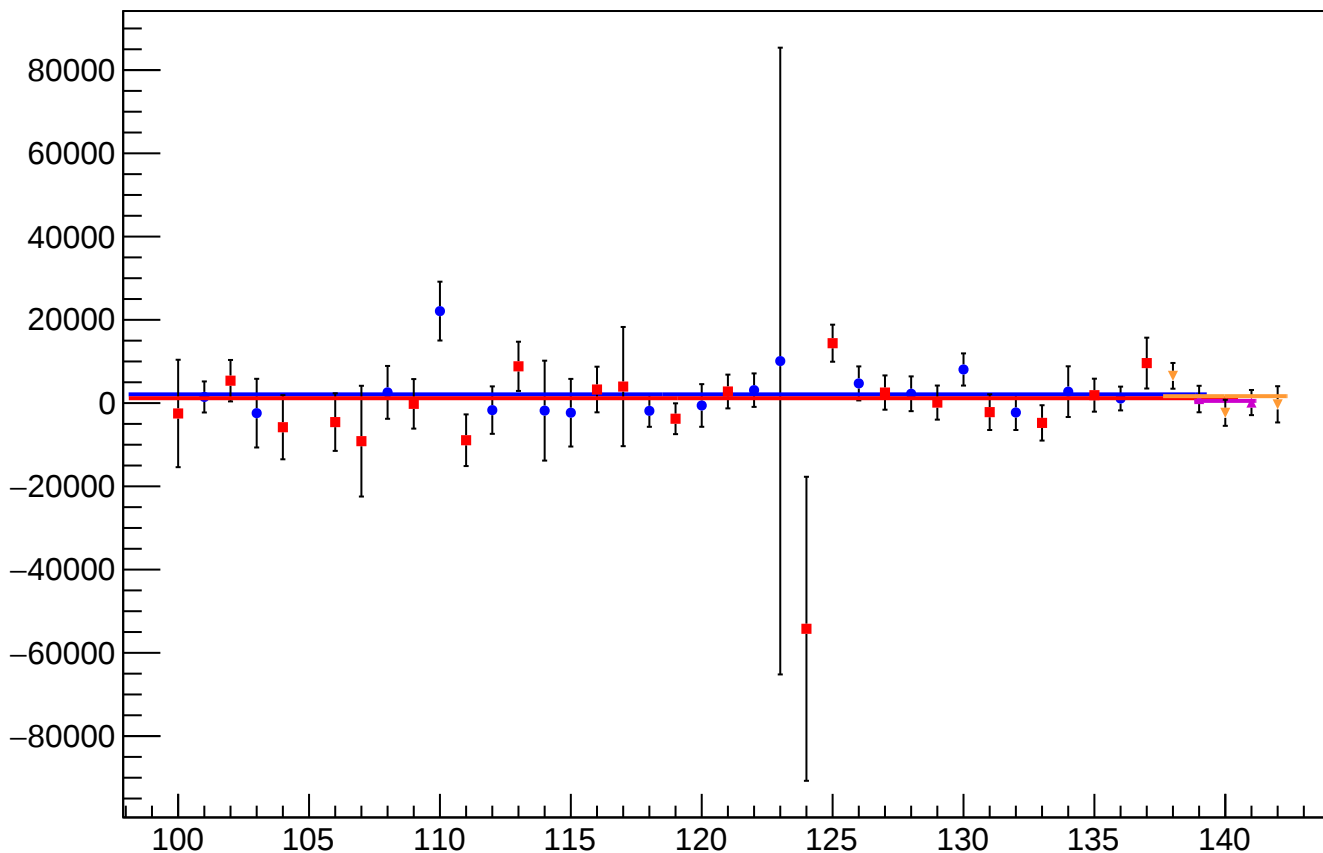
Left In: 1121.805+/-0.640 χ^2/NDF : 13954.4/1

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

994.653+/-0.186 χ^2/NDF : 4771044.4/41

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

asym_atl1_mean vs Slug, Sign Corrected



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

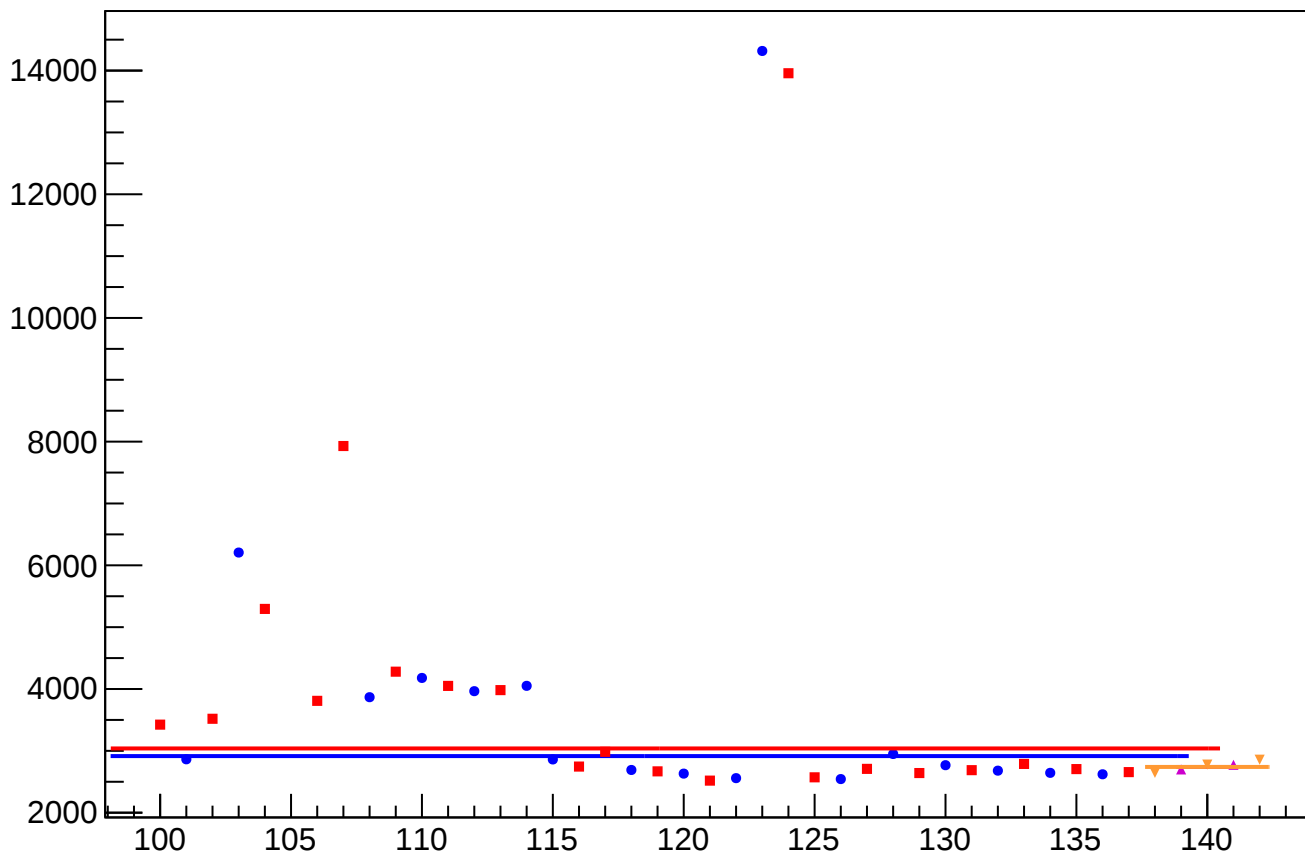
Left In: 528.482+/-2190.351 χ^2/NDF : 0.0/1

1982.224+/-999.131 χ^2/NDF : 19.0/19

1522.147+/-720.791 χ^2/NDF : 44.7/41

1022.844+/-1040.852 χ^2/NDF : 25.3/21

asym_atl1_rms vs Slug, Sign Corrected



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

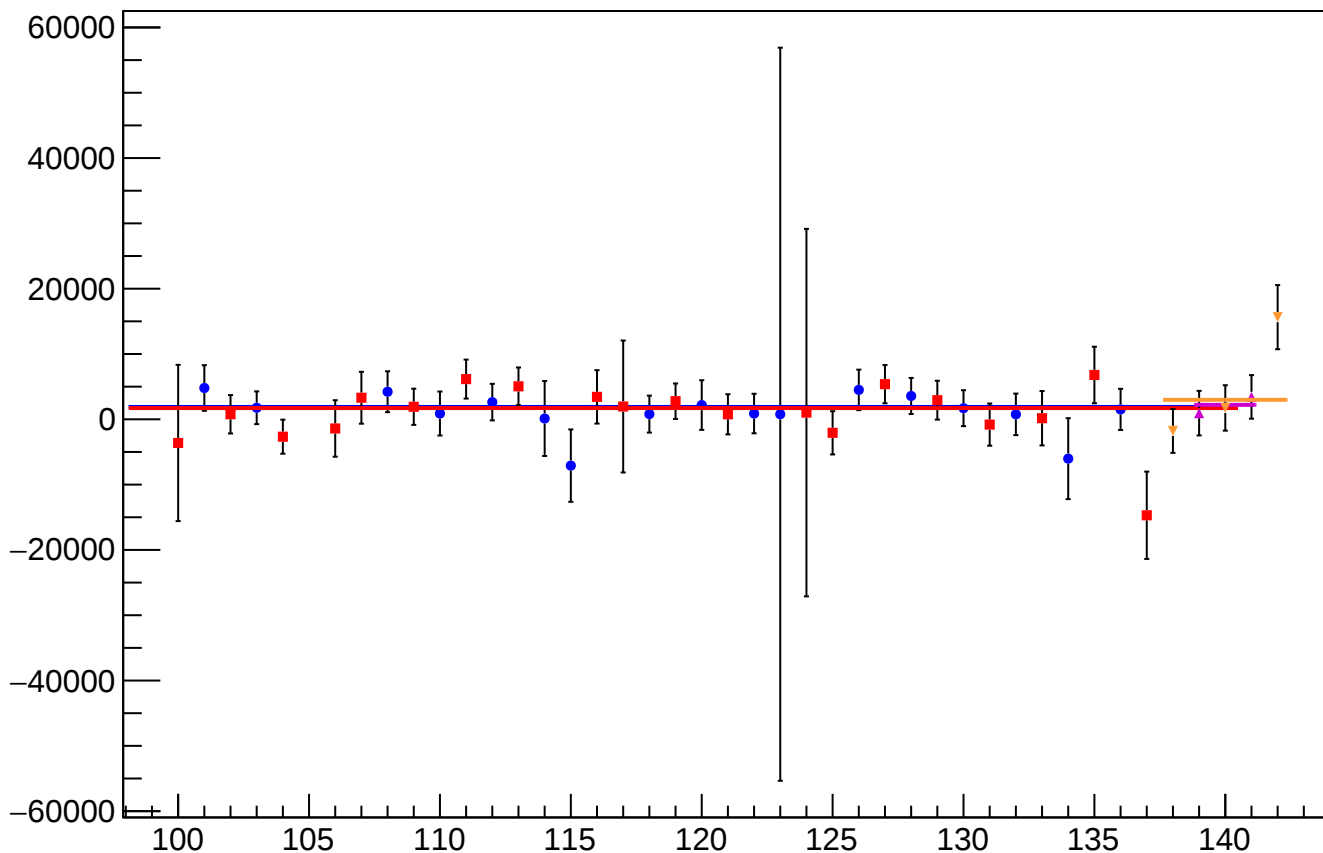
Left In: 2739.079+/-1.549 χ^2/NDF : 578.9/1

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

2918.400+/-0.510 χ^2/NDF : 1705442.6/41

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

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1889.943 $\pm$ 811.431 χ^2 /NDF: 7.3/16

Left Out: 2983.665 $\pm$ 2167.537 χ^2 /NDF:8.8/2

Right Out: 1720.591 $\pm$ 787.704 χ^2 /NDF: 19.0/19

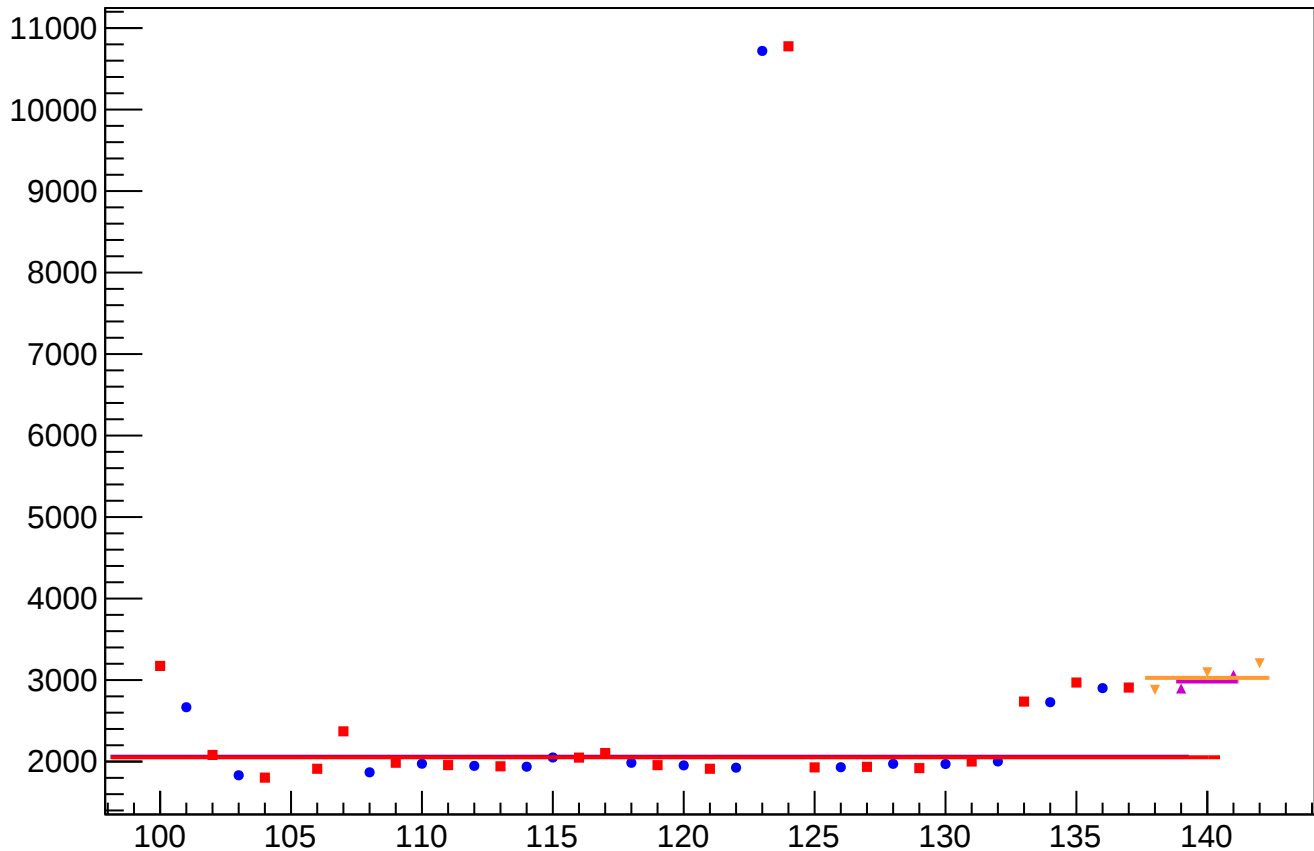
Left In: 2213.920 $\pm$ 2384.598 χ^2 /NDF:0.3/1

2024.380 $\pm$ 759.927 χ^2 /NDF: 16.3/19

1894.726 $\pm$ 533.066 χ^2 /NDF: 35.6/41

1769.126 $\pm$ 747.953 χ^2 /NDF: 19.3/21

reg_asym_atl2_rms vs Slug, Sign Corrected



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

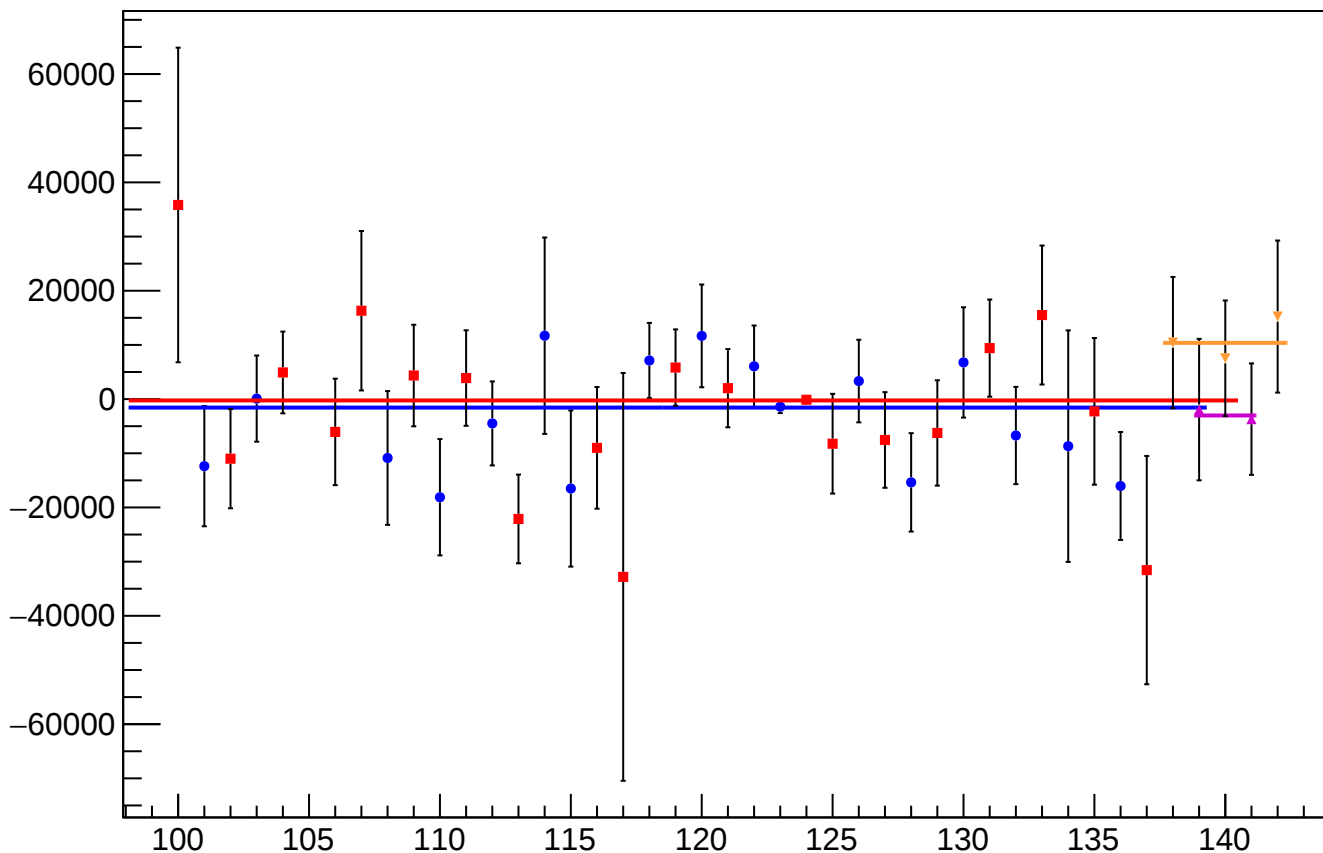
Left In: 2982.208+/-1.686 χ^2/NDF : 2461.6/1

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

2160.719+/-0.377 χ^2/NDF : 1397572.2/41

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

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1563.218 $\pm$ 1053.946 χ^2 /NDF: 16.2/16

Left Out: 10381.089 $\pm$ 6953.825 χ^2 /NDF: 0.2/2

Right Out: -247.306 $\pm$ 695.049 χ^2 /NDF: 21.6/19

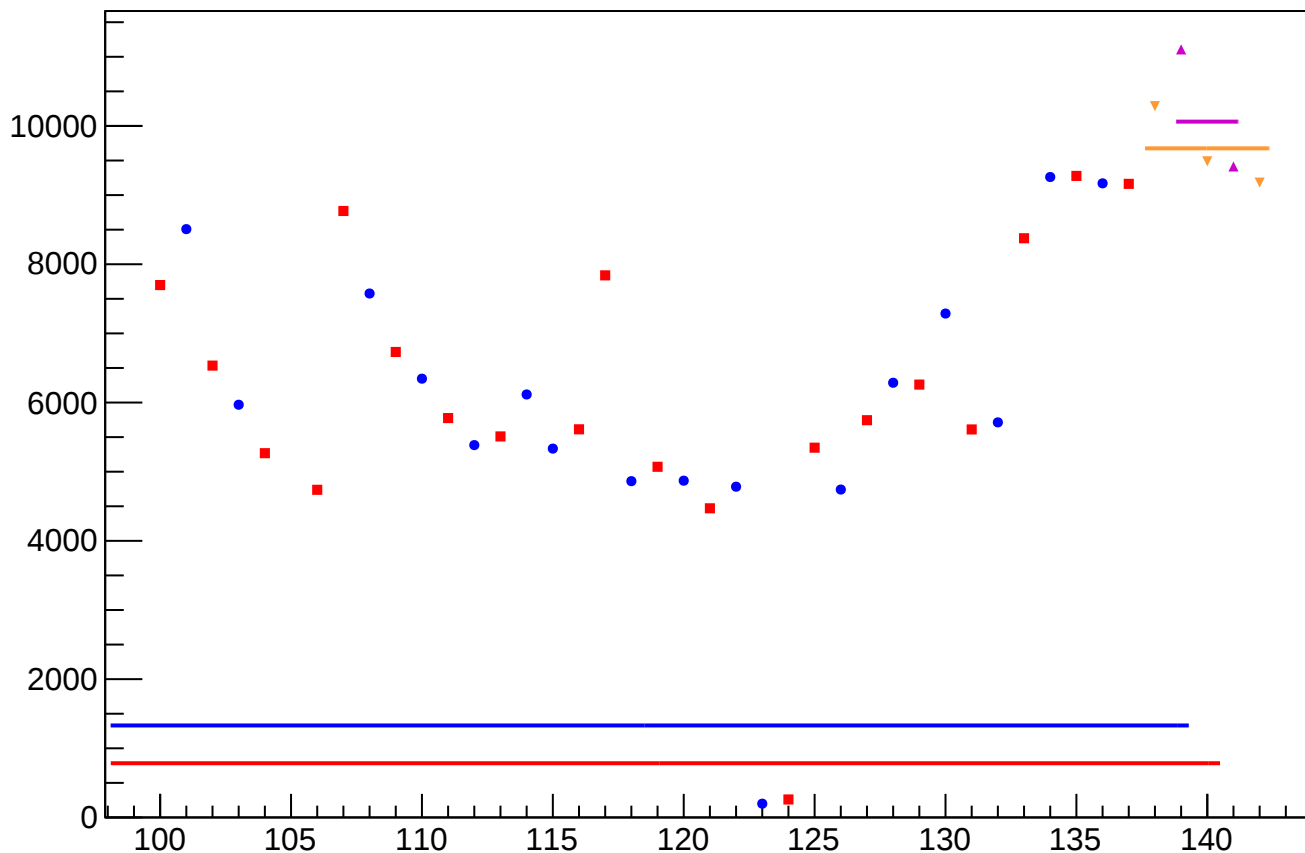
Left In: -3022.842 $\pm$ 8079.625 χ^2 /NDF: 0.0/1

-1295.001 $\pm$ 1042.045 χ^2 /NDF: 19.3/19

-582.399 $\pm$ 576.750 χ^2 /NDF: 41.6/41

-267.695 $\pm$ 692.491 χ^2 /NDF: 21.7/21

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 9675.883+/-4.917 χ^2/NDF : 8195.3/2

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

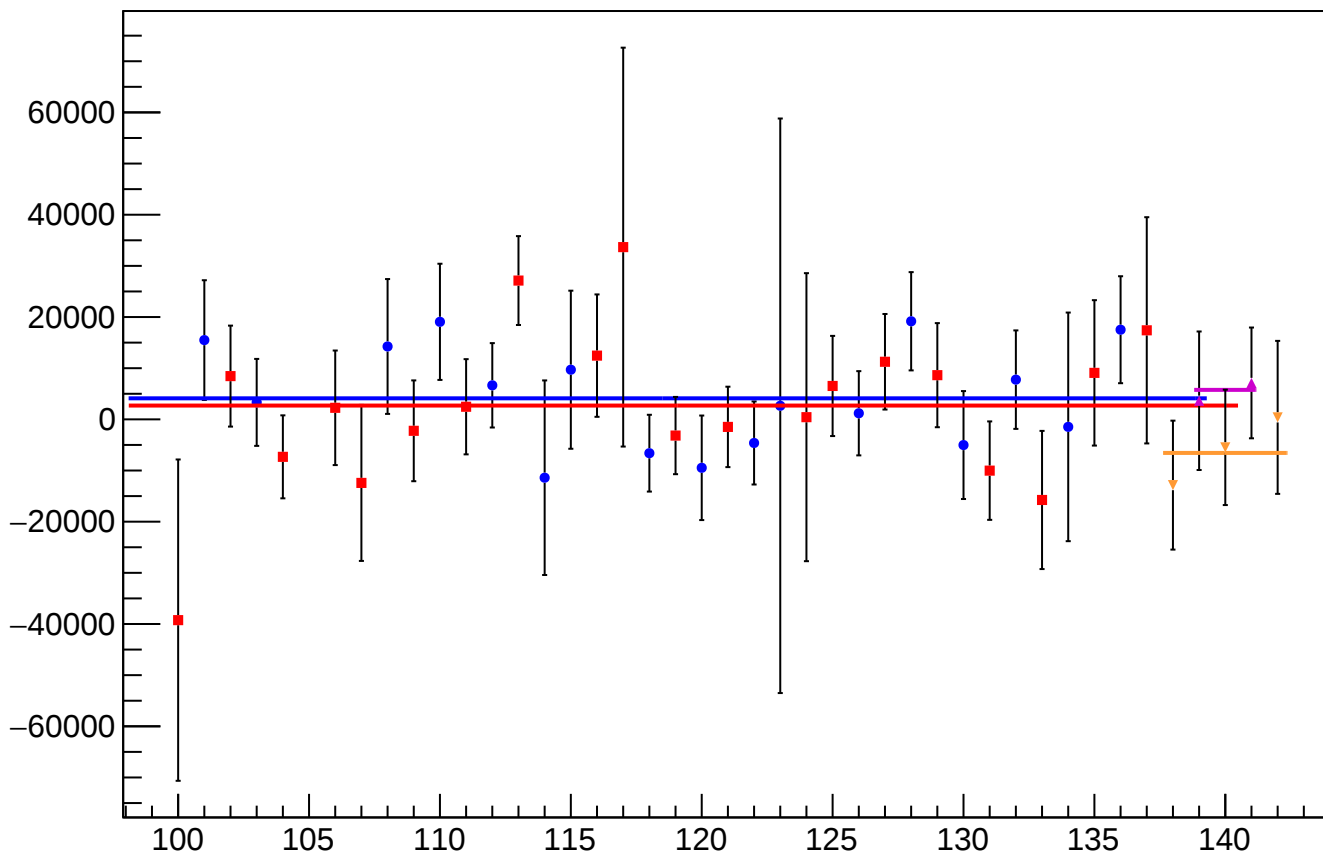
Left In: 10062.219+/-5.713 χ^2/NDF : 20745.9/1

1517.656+/-0.737 χ^2/NDF : 12871055.6/19

1056.201+/-0.408 χ^2/NDF : 27585293.9/4

852.409+/-0.490 χ^2/NDF : 14148819.8/21

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -6561.913 $\pm$ 7325.137 χ^2 /NDF: 0.5/2

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

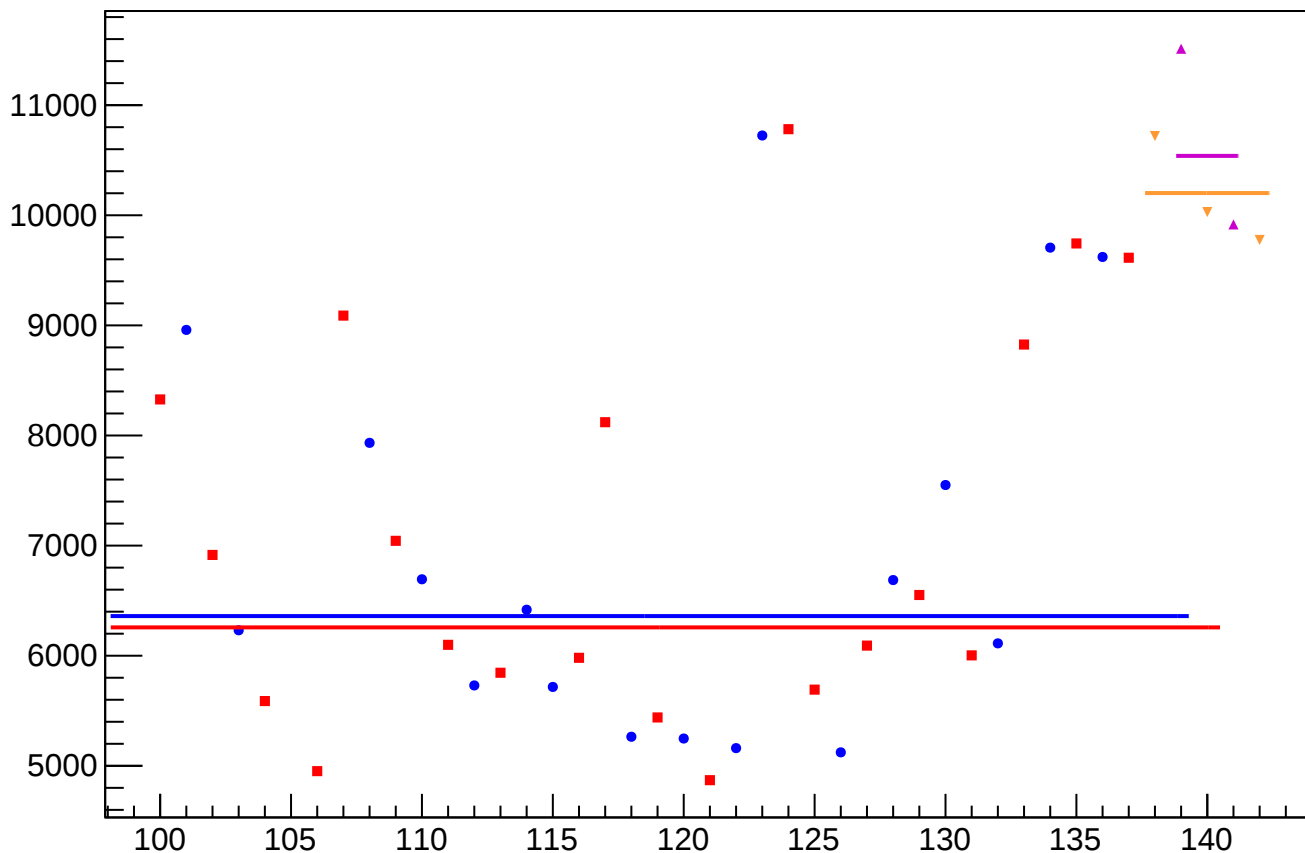
Left In: 5763.325 $\pm$ 8455.143 χ^2 /NDF: 0.0/1

2970.634 $\pm$ 2395.133 χ^2 /NDF: 16.7/19

2948.938 $\pm$ 1667.480 χ^2 /NDF: 37.4/41

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

asym_atl2_rms vs Slug, Sign Corrected



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

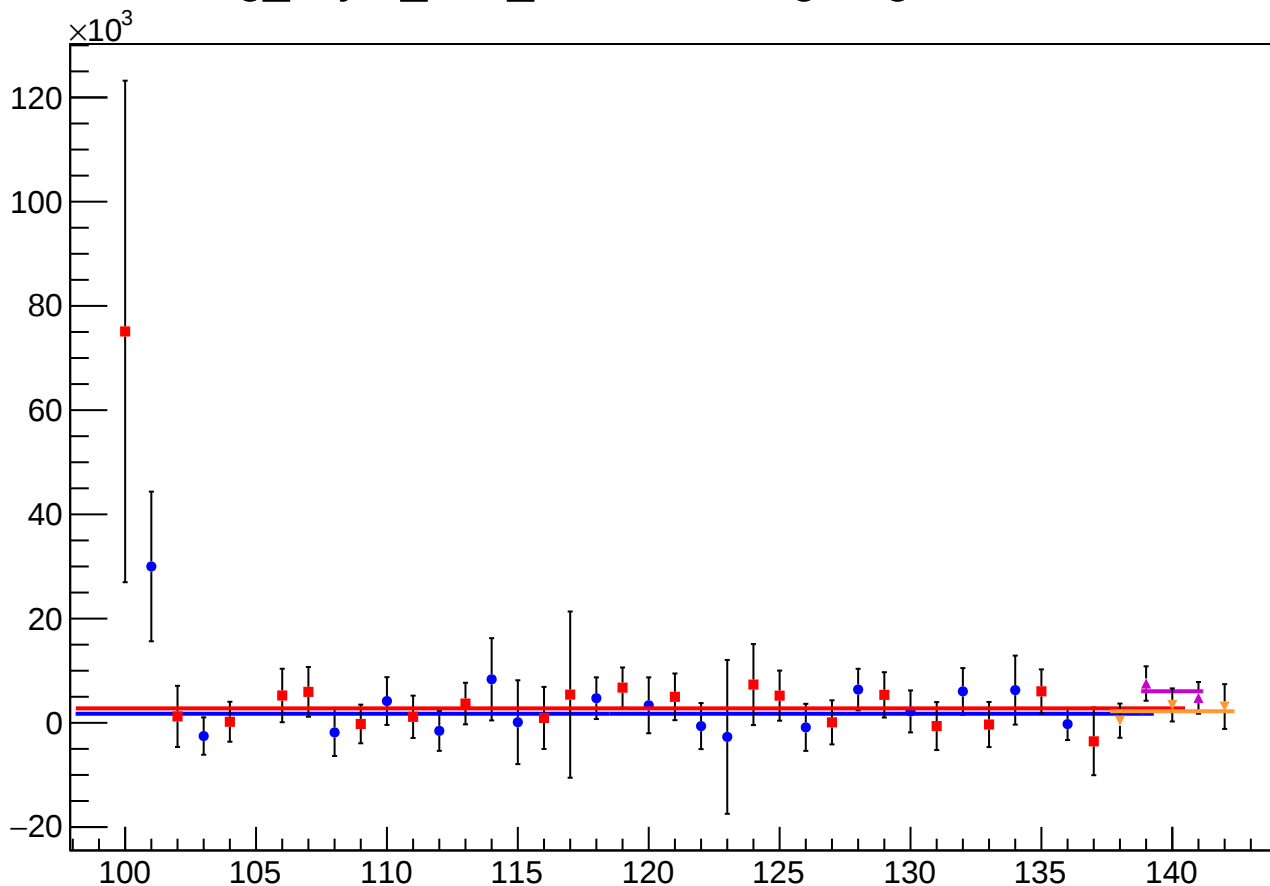
Left In: 10539.419+/-5.979 χ^2/NDF : 16948.4/1

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

6672.620+/-1.179 χ^2/NDF : 2112569.6/41

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

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2228.107 ± 2013.632 χ^2/NDF : 0.5/2

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

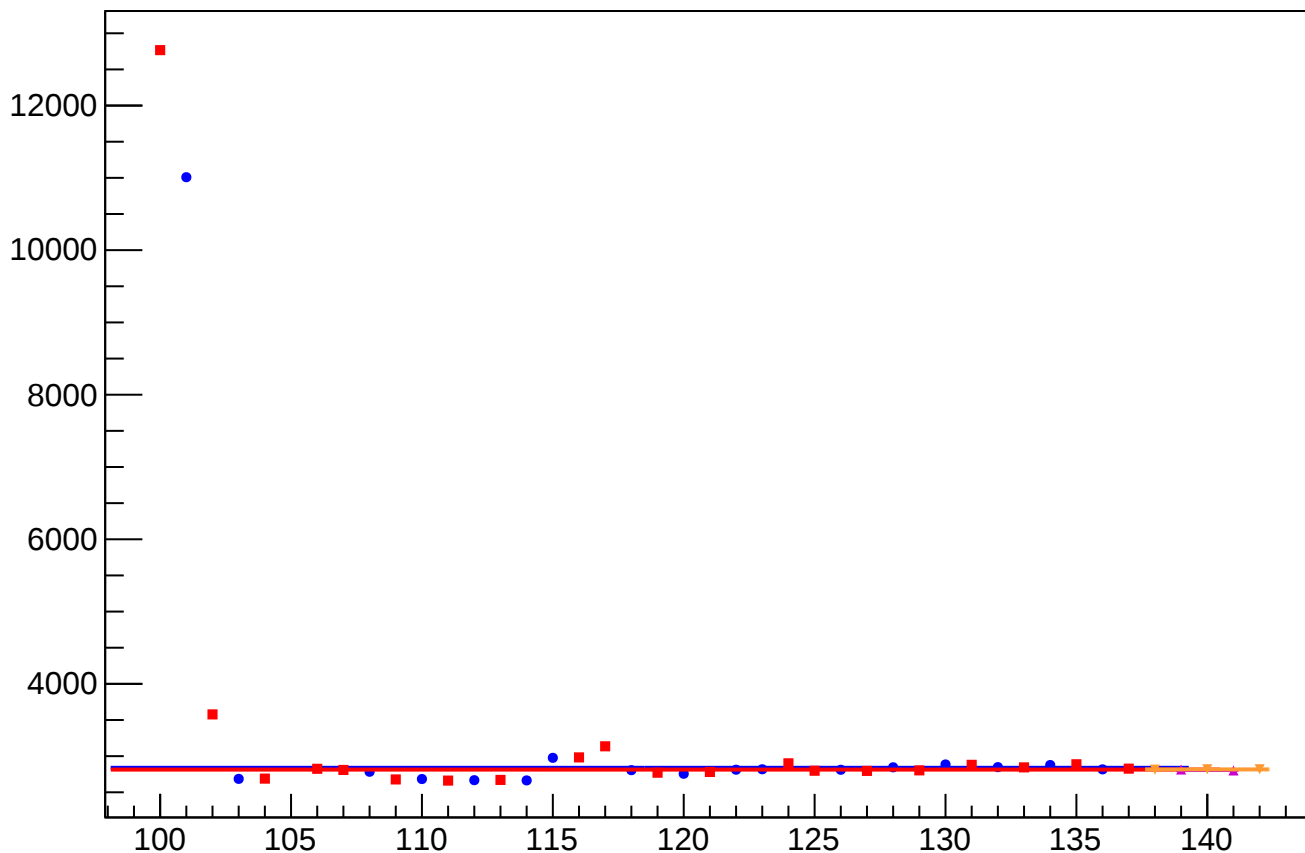
Left In: 6056.274 ± 2240.709 χ^2/NDF : 0.4/1

1861.234 ± 984.457 χ^2/NDF : 12.8/19

2637.903 ± 689.213 χ^2/NDF : 25.8/41

3384.510 ± 965.216 χ^2/NDF : 11.8/21

reg_asym_atr1_rms vs Slug, Sign Corrected



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

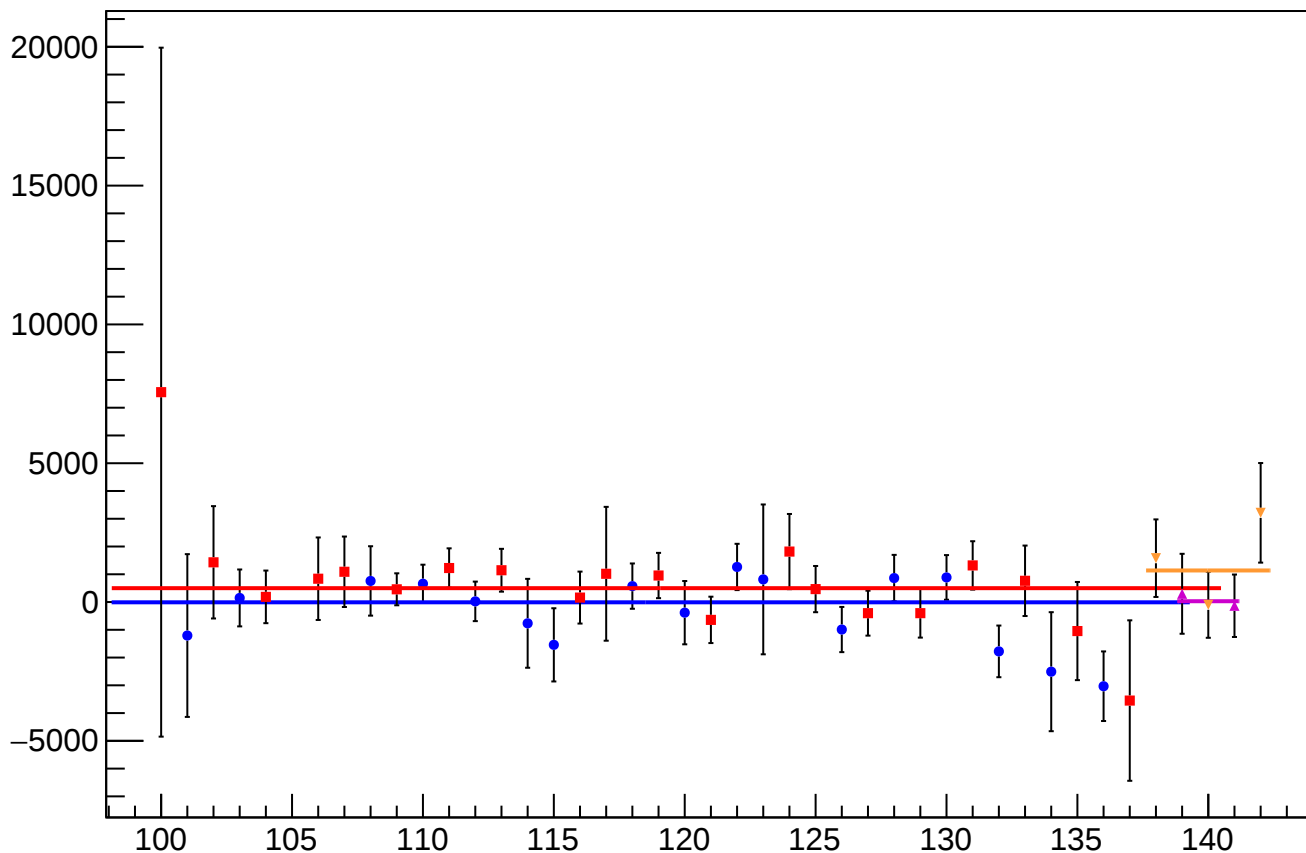
Left In: 2808.247+/-1.584 χ^2/NDF : 17.4/1

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

2823.002+/-0.487 χ^2/NDF : 794749.6/41

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

asym_atr1_correction_mean vs Slug, Sign Corrected



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

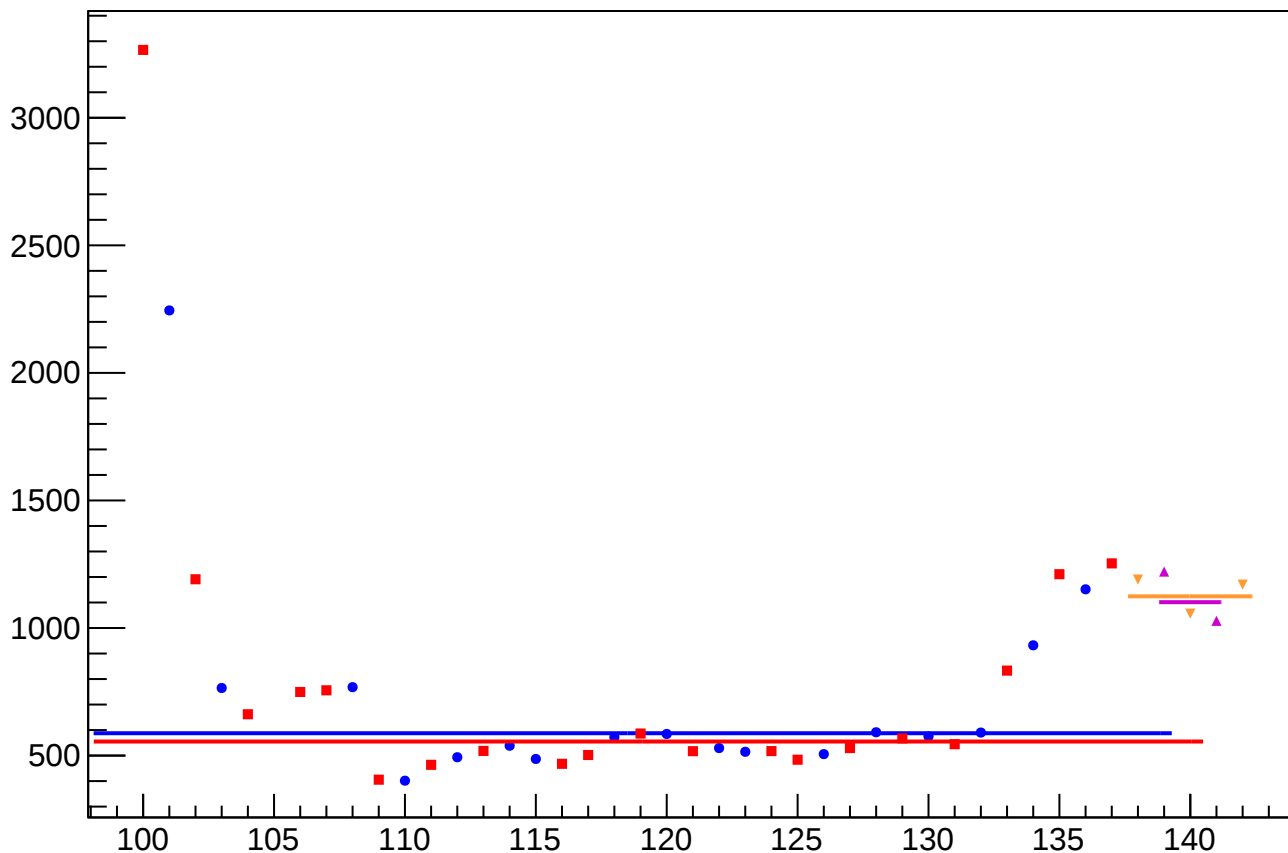
Left In: 29.203+/-886.356 χ^2/NDF : 0.1/1

84.211+/-231.558 χ^2/NDF : 25.1/19

293.440+/-157.174 χ^2/NDF : 38.8/41

472.195+/-214.031 χ^2/NDF : 12.2/21

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 587.596 $\pm$ 0.171 χ^2/NDF : 1425769.6/16

Left Out: 1124.261 $\pm$ 0.572 χ^2/NDF : 12244.9/2

Right Out: 555.088 $\pm$ 0.156 χ^2/NDF : 1107729.2/19

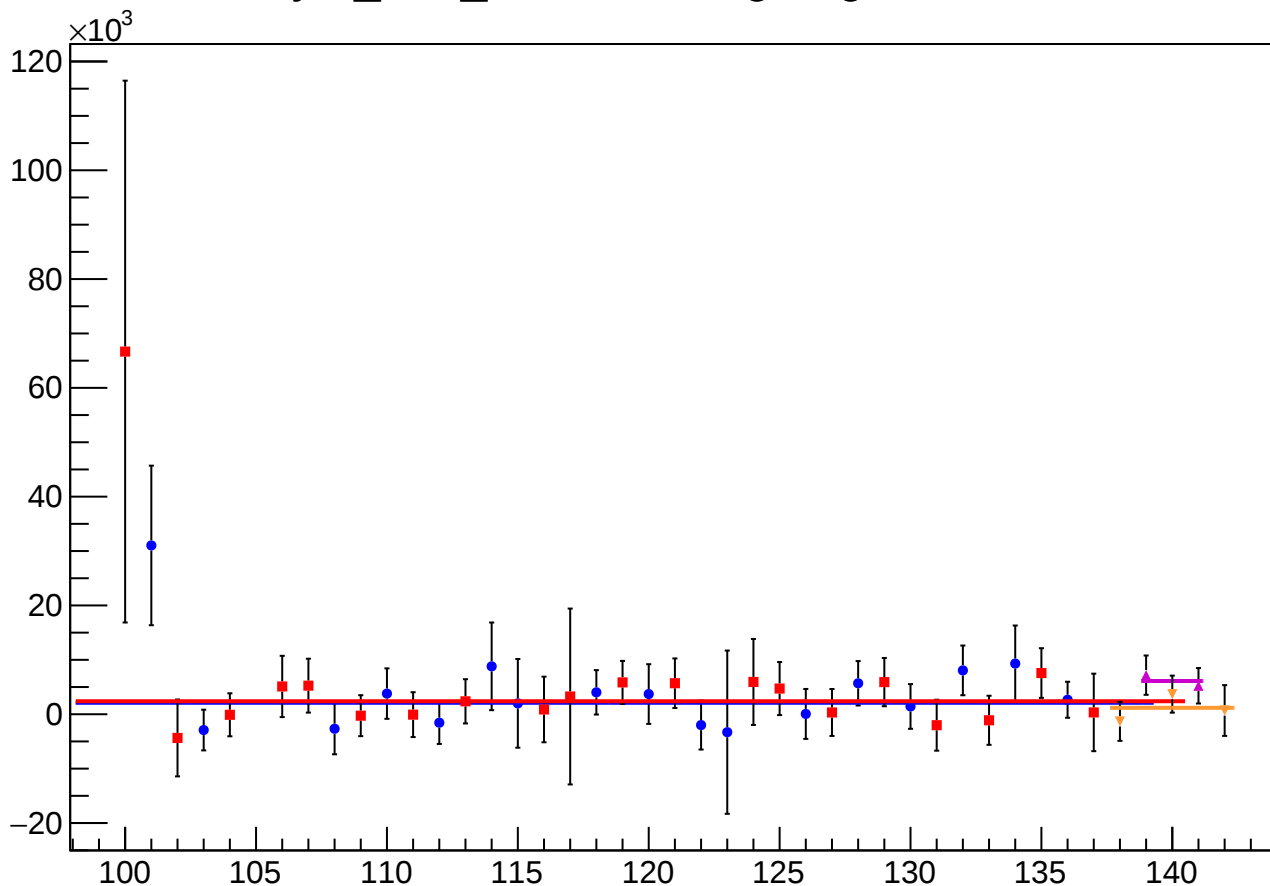
Left In: 1101.358 $\pm$ 0.627 χ^2/NDF : 22320.7/1

631.601 $\pm$ 0.164 χ^2/NDF : 2246664.5/19

607.517 $\pm$ 0.111 χ^2/NDF : 4132215.7/41

586.940 $\pm$ 0.151 χ^2/NDF : 1845429.8/21

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 1178.312+/-2179.832 χ^2/NDF : 1.0/2

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

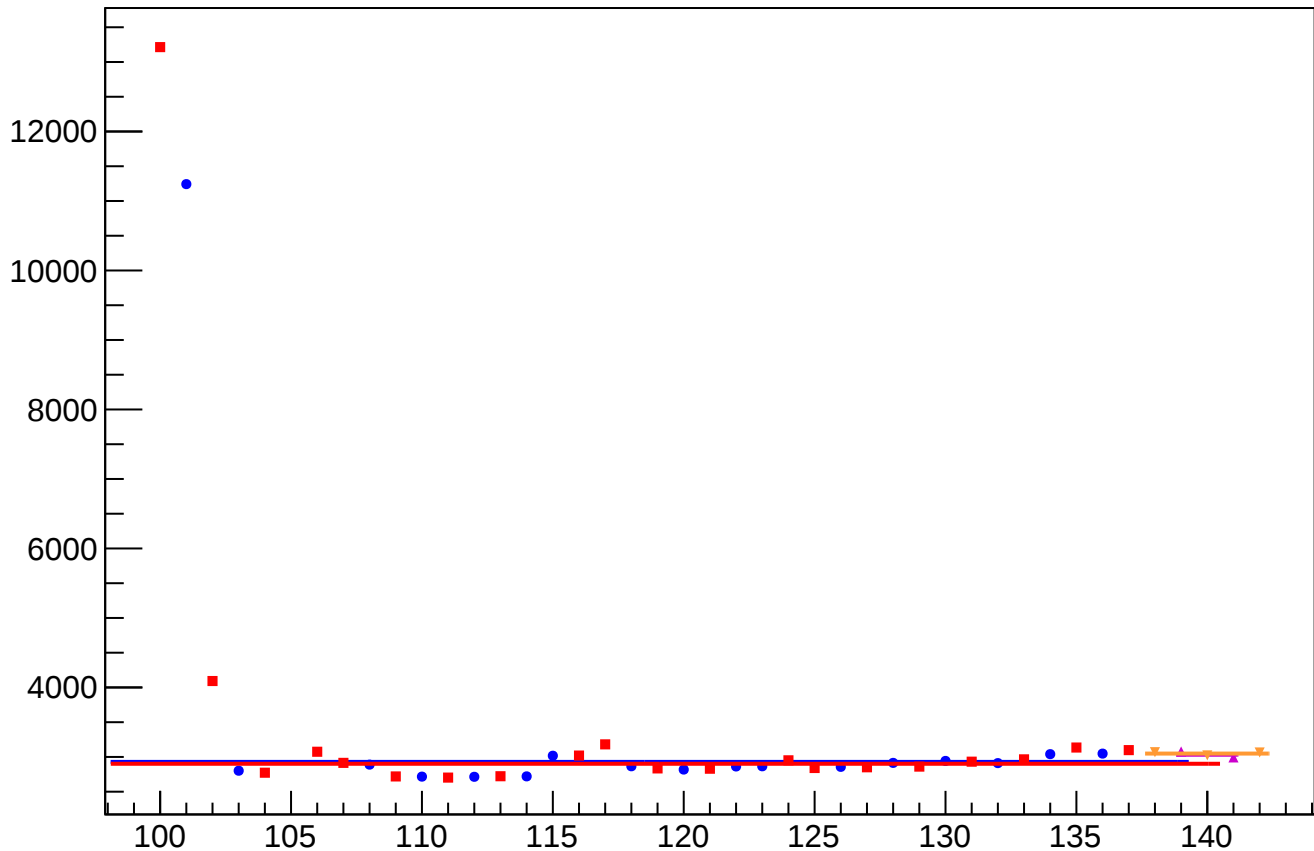
Left In: 6108.515+/-2419.589 χ^2/NDF : 0.2/1

1902.020+/-1027.011 χ^2/NDF : 14.7/19

2479.180+/-719.073 χ^2/NDF : 27.3/41

3034.206+/-1007.126 χ^2/NDF : 12.0/21

asym_atr1_rms vs Slug, Sign Corrected



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

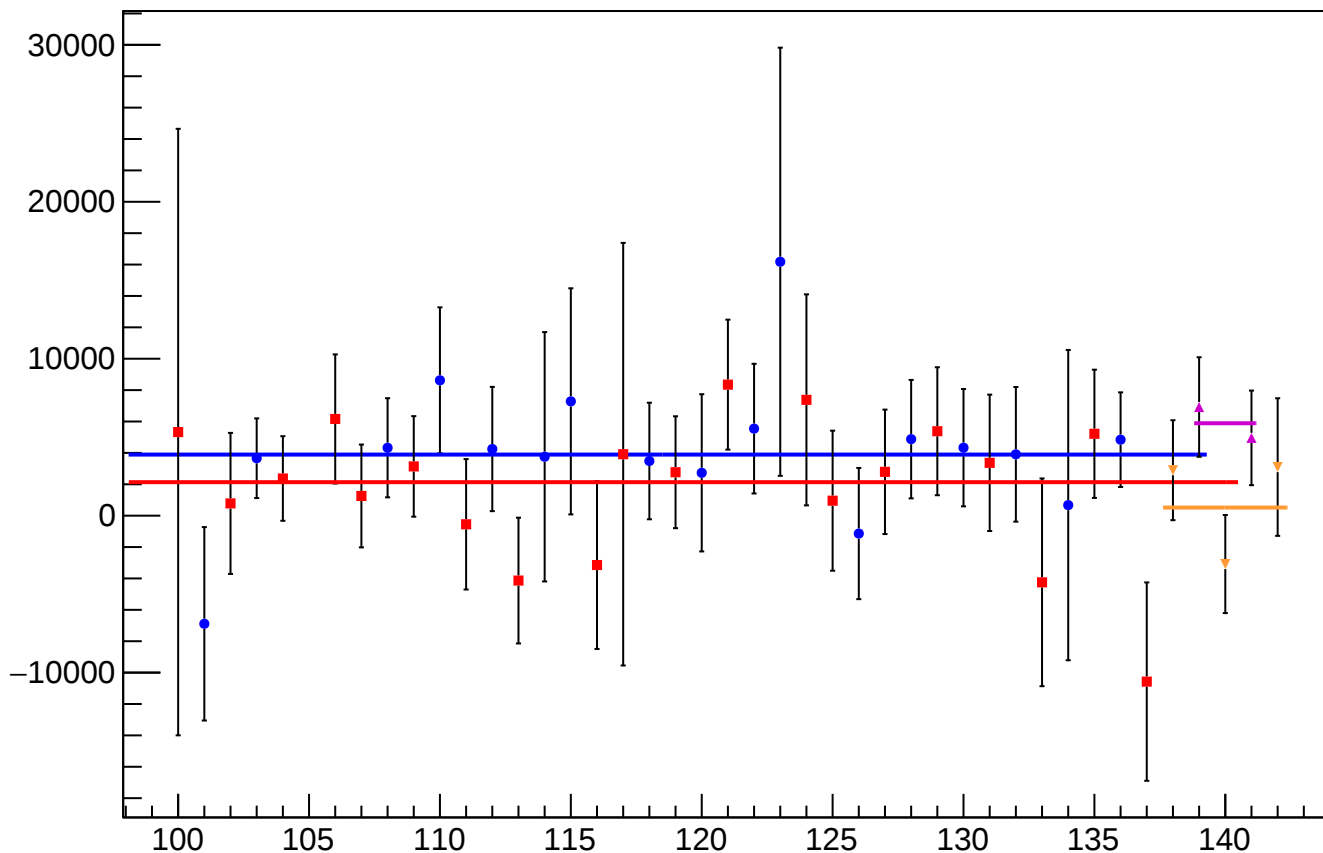
Left In: 3031.661+/-1.711 χ^2/NDF : 618.8/1

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

2939.499+/-0.508 χ^2/NDF : 843906.9/41

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

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3892.504 $\pm$ 1011.718 χ^2 /NDF: 7.1/16

Left Out: 517.596 $\pm$ 1987.558 χ^2 /NDF: 2.2/2

Right Out: 2133.736 $\pm$ 955.999 χ^2 /NDF: 14.4/19

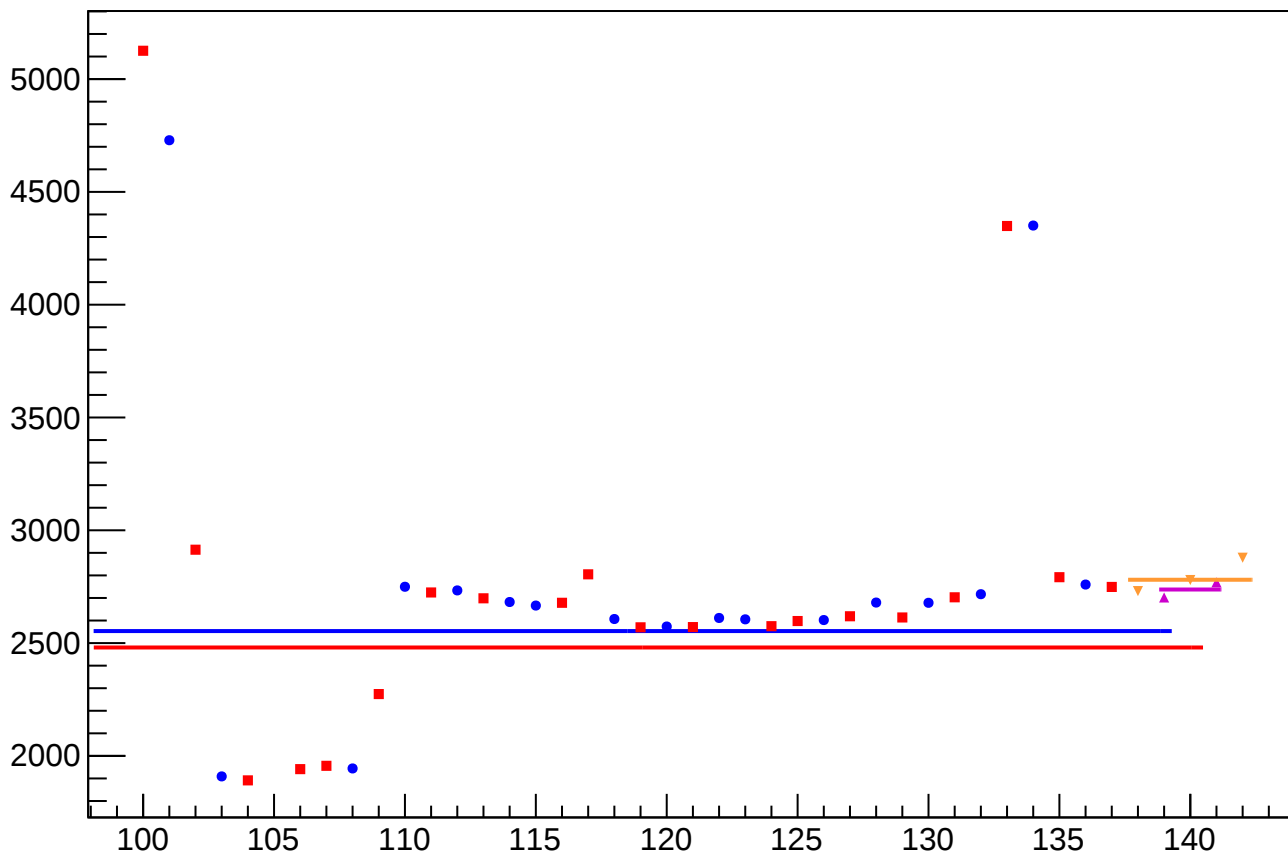
Left In: 5889.385 $\pm$ 2184.534 χ^2 /NDF: 0.2/1

3197.993 $\pm$ 901.630 χ^2 /NDF: 11.7/19

2960.998 $\pm$ 628.220 χ^2 /NDF: 28.8/41

2737.384 $\pm$ 875.807 χ^2 /NDF: 17.0/21

reg_asym_atr2_rms vs Slug, Sign Corrected



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

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

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

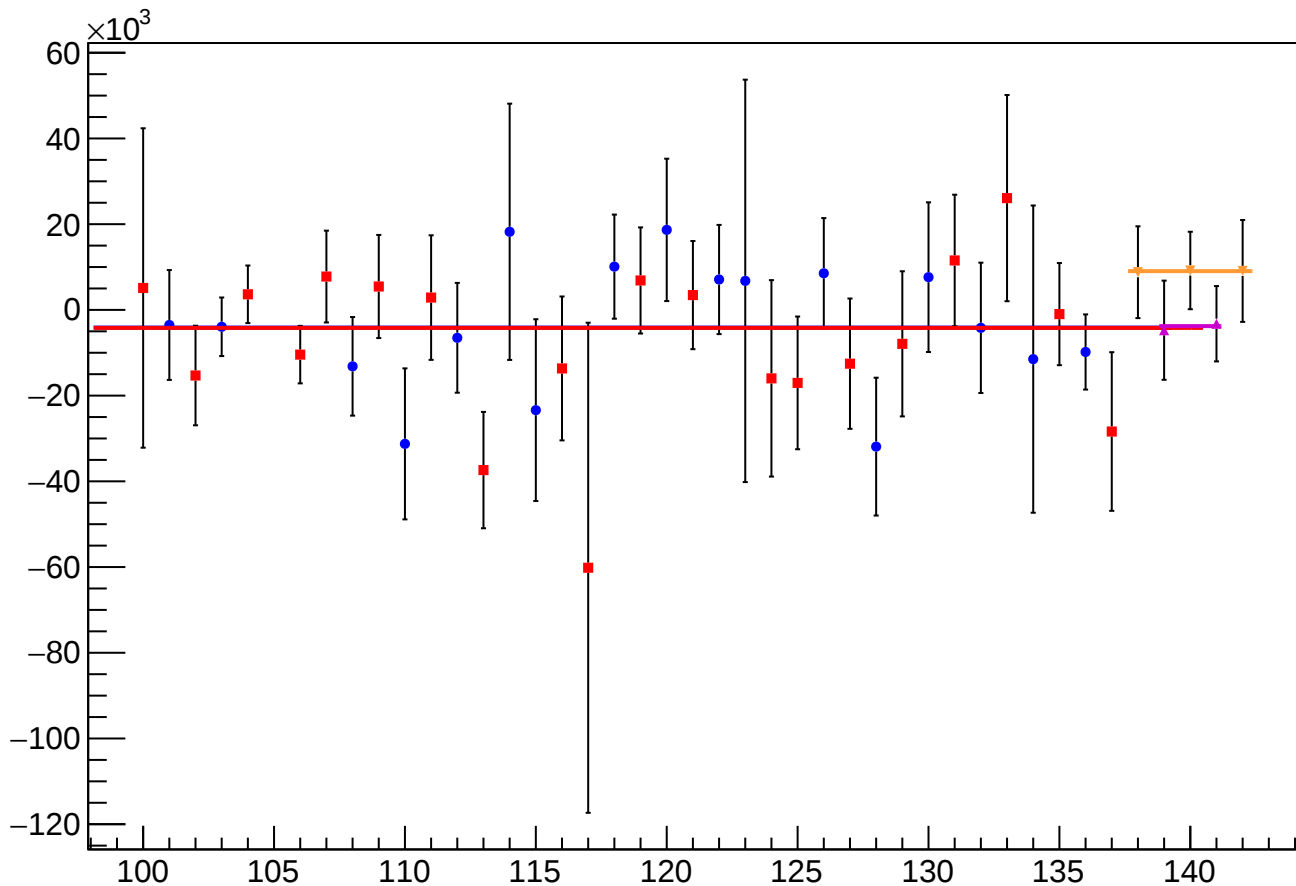
Left In: 2737.501+/-1.545 χ^2/NDF : 470.3/1

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

2559.814+/-0.444 χ^2/NDF : 1049651.5/41

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

asym_atr2_correction_mean vs Slug, Sign Corrected



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

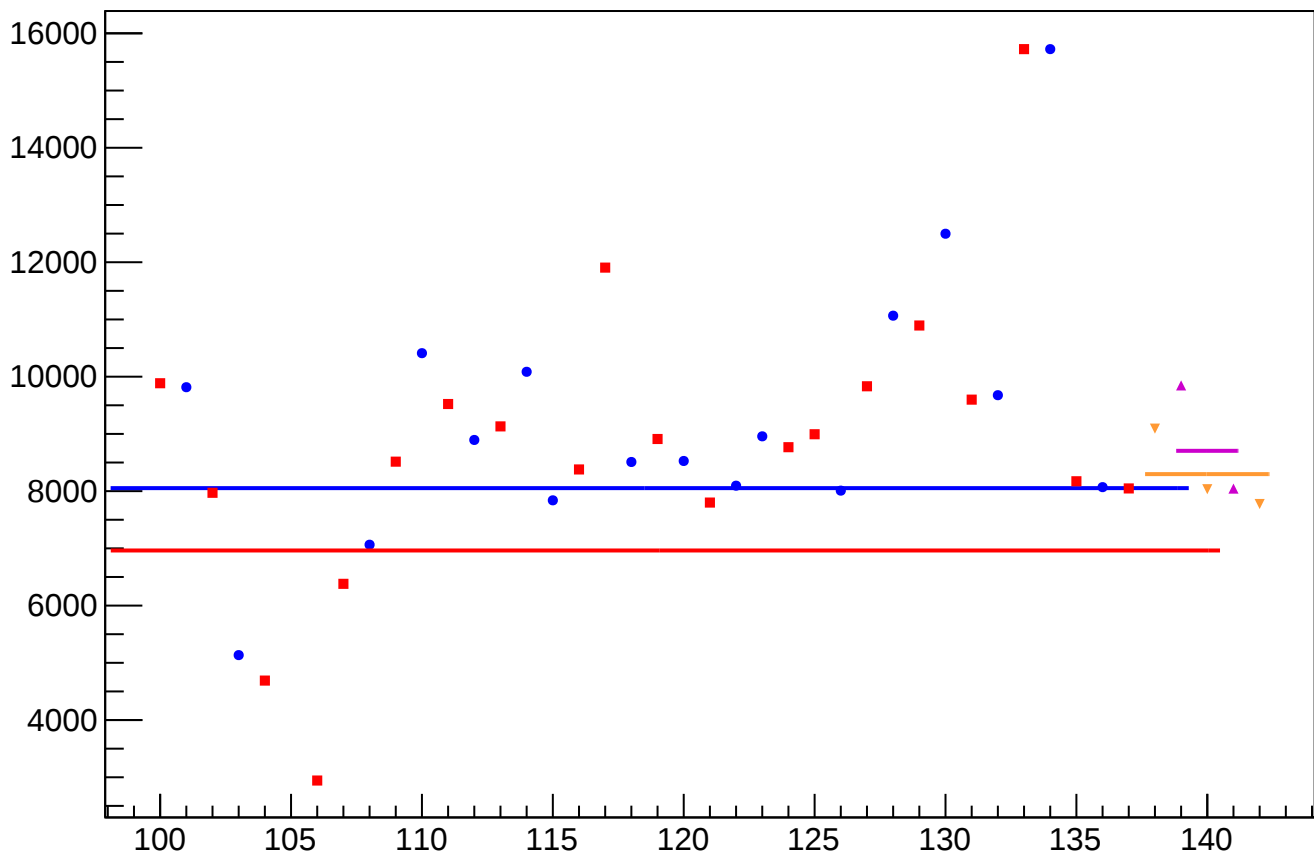
Left In: -3782.307 $\pm$ 6998.708 χ^2 /NDF: 0.0/1

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

-2761.894 $\pm$ 1927.117 χ^2 /NDF: 37.2/41

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

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8297.453 $\pm$ 4.223 χ^2/NDF :16575.8/2

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

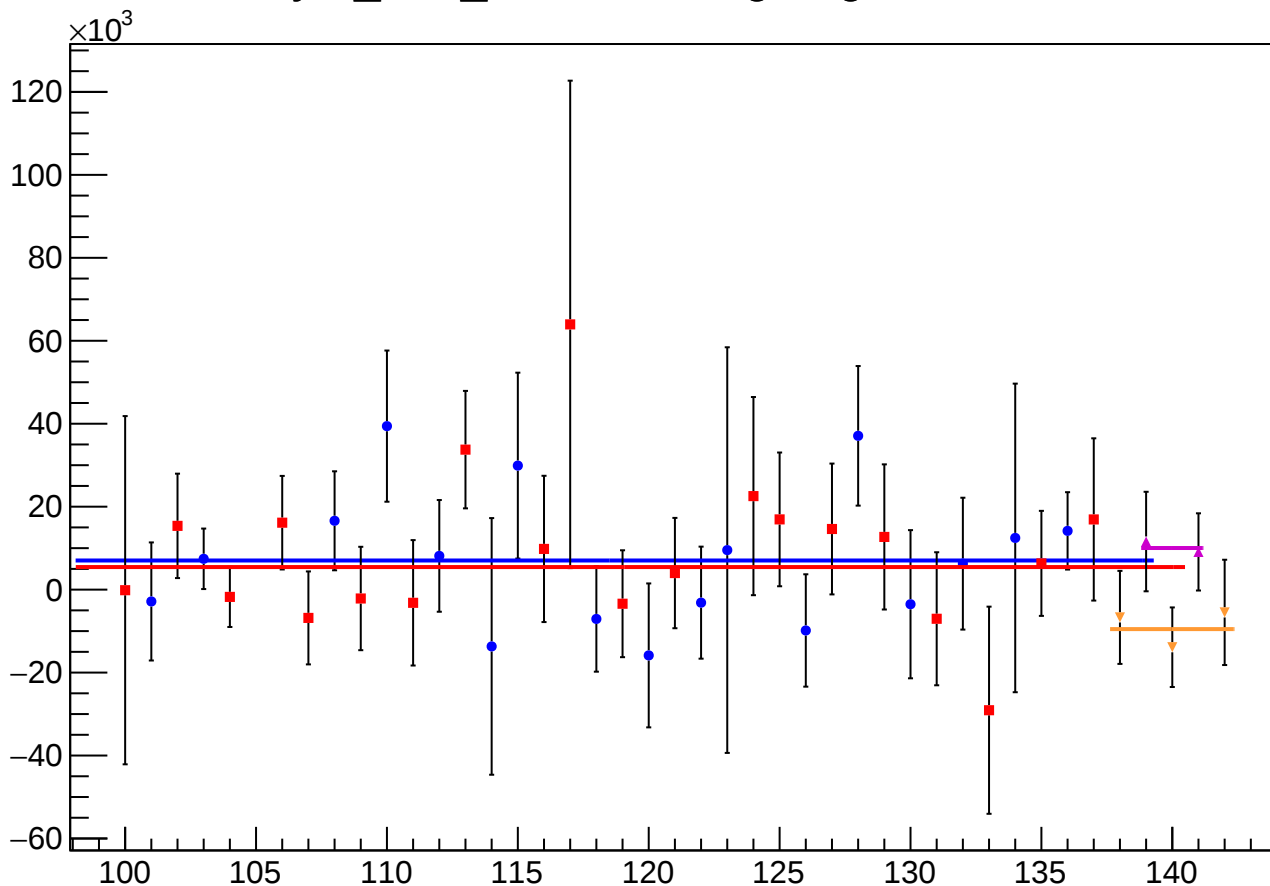
Left In: 8704.485 $\pm$ 4.949 χ^2/NDF :30811.8/1

8107.900 $\pm$ 2.008 χ^2/NDF : 809903.2/19

7622.596 $\pm$ 1.363 χ^2/NDF : 2847062.1/41

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

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -9516.738 $\pm$ 6321.504 χ^2 /NDF: 0.4/2

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

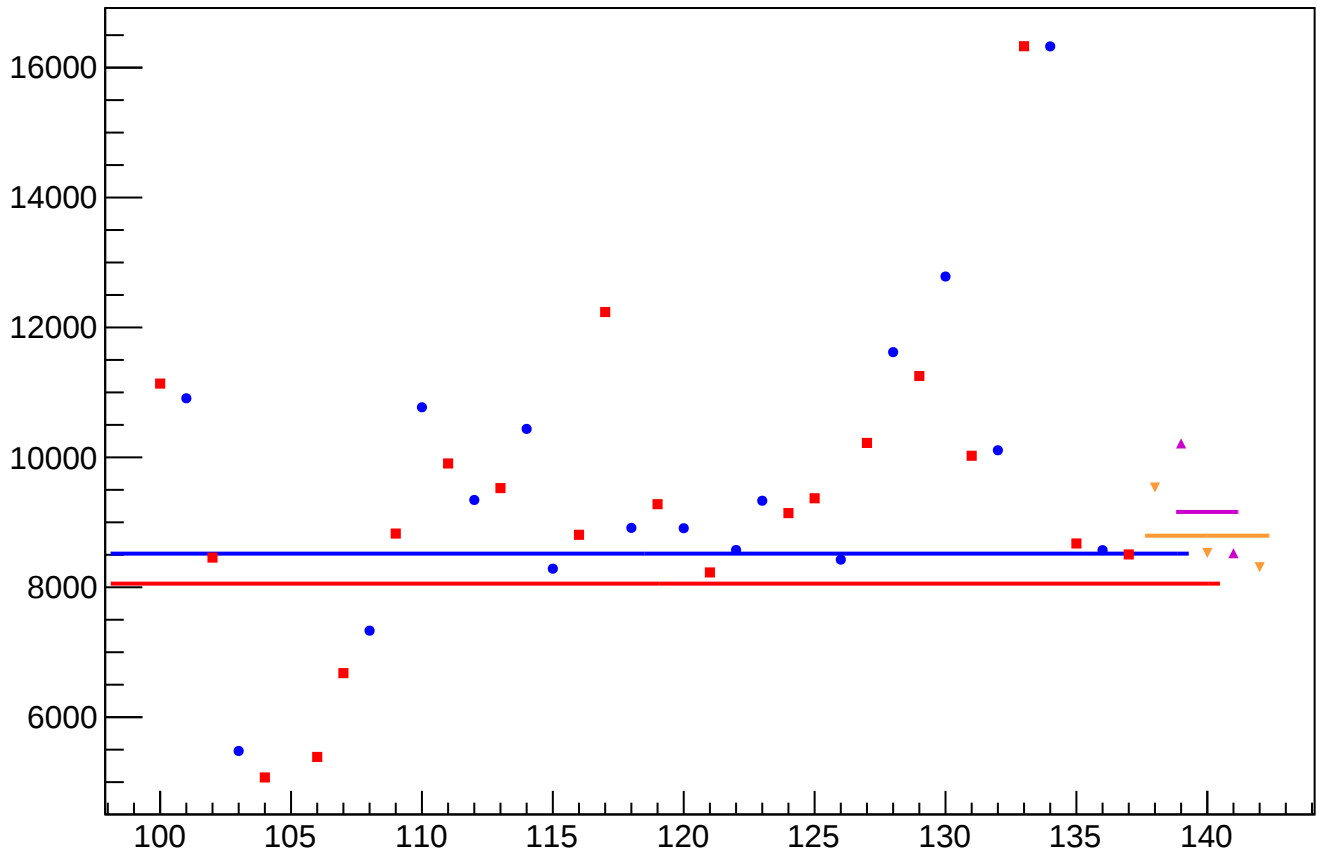
Left In: 10033.122 $\pm$ 7353.742 χ^2 /NDF: 0.0/1

3297.722 $\pm$ 3000.846 χ^2 /NDF: 20.7/19

4774.202 $\pm$ 2087.611 χ^2 /NDF: 35.9/41

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

asym_atr2_rms vs Slug, Sign Corrected



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

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

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

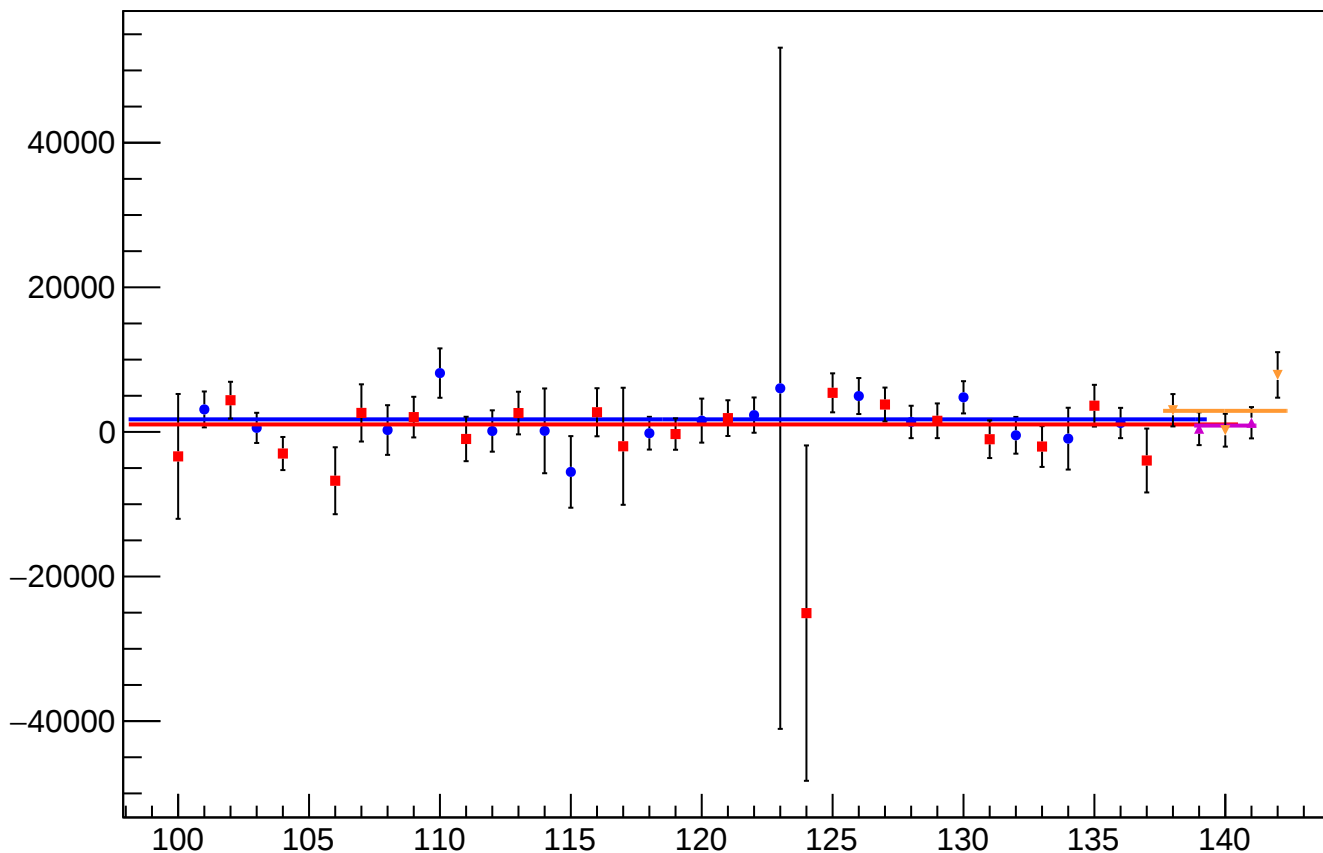
Left In: 9159.594+/-5.200 χ^2/NDF : 24774.5/1

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

8398.652+/-1.476 χ^2/NDF : 1818660.0/41

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

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

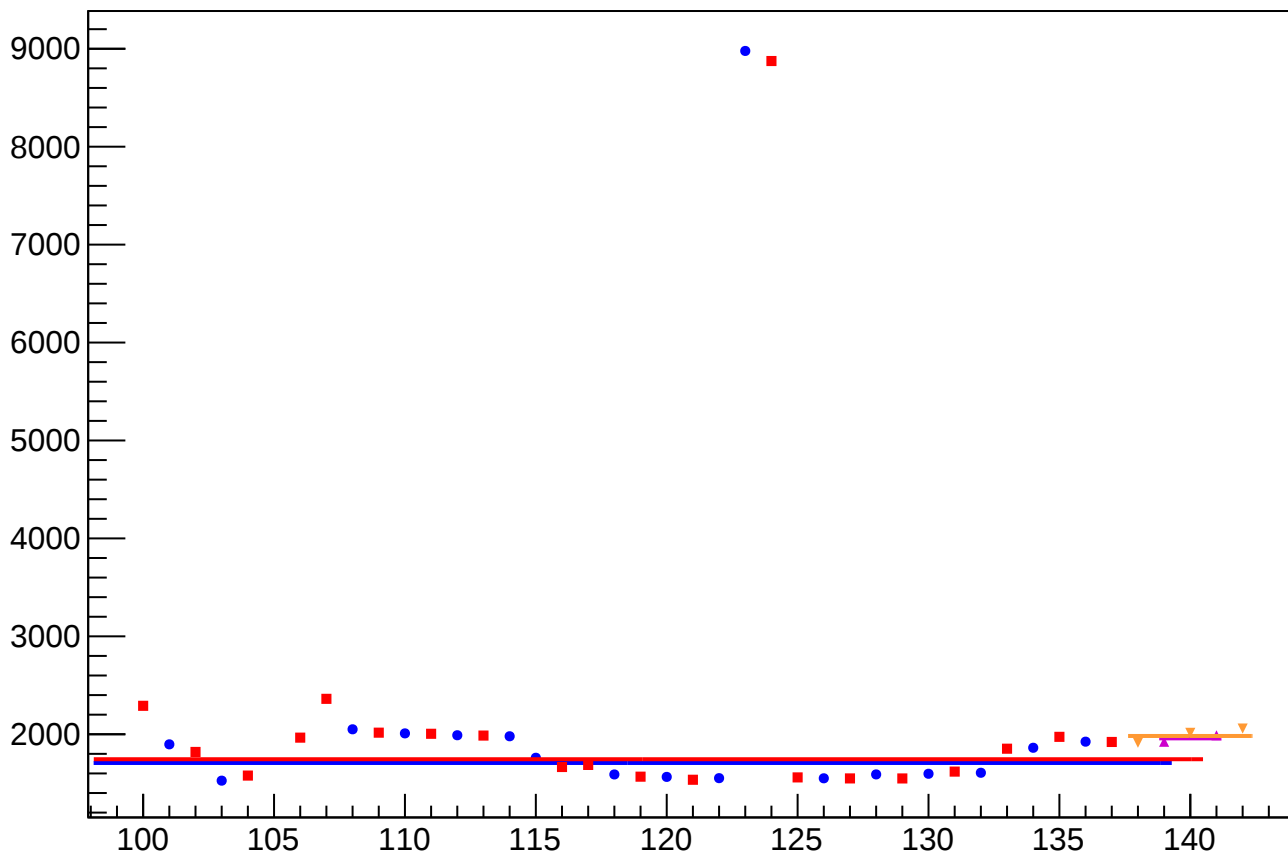
Left In: 877.073+/-1566.671 χ^2/NDF : 0.1/1

1953.059+/-606.414 χ^2/NDF : 16.9/19

1488.424+/-431.808 χ^2/NDF : 37.1/41

1010.517+/-615.013 χ^2/NDF : 19.1/21

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

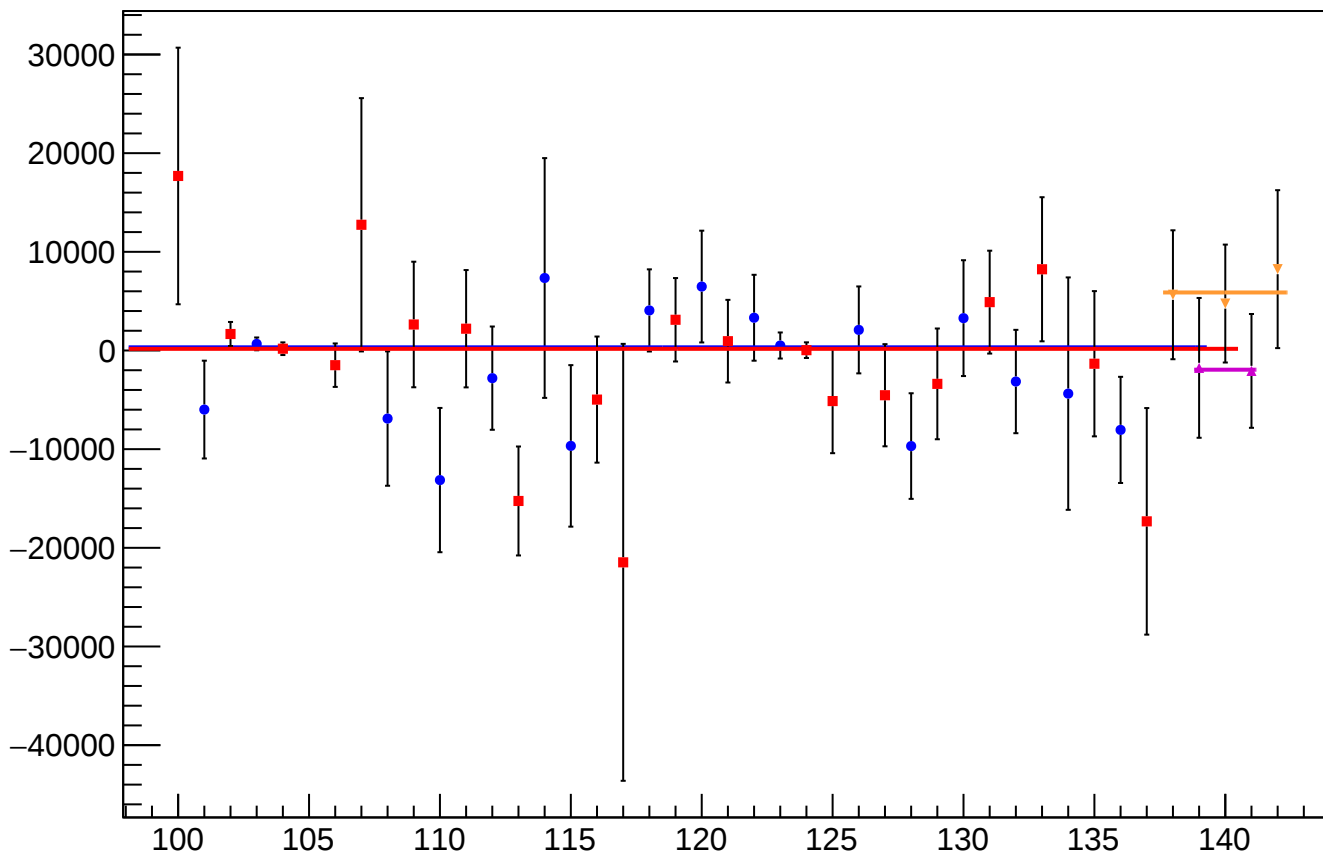
Left In: 1958.080+/-1.108 χ^2/NDF : 881.6/1

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

1767.191+/-0.305 χ^2/NDF : 695775.7/41

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

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

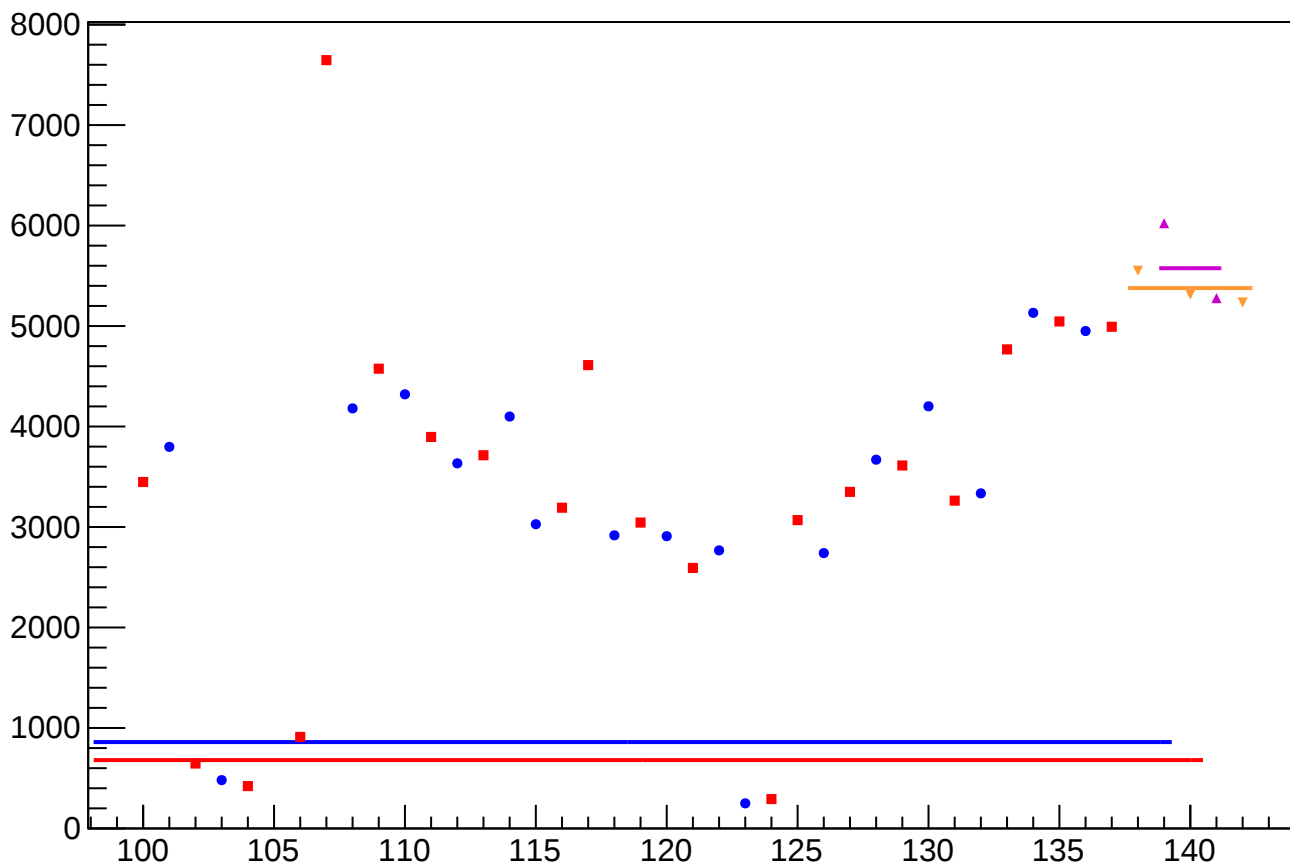
Left In: -1946.308+/-4473.144 χ^2/NDF : 0.0/1

427.652+/-535.171 χ^2/NDF : 20.2/19

258.566+/-335.888 χ^2/NDF : 42.3/41

148.670+/-431.447 χ^2/NDF : 21.9/21

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

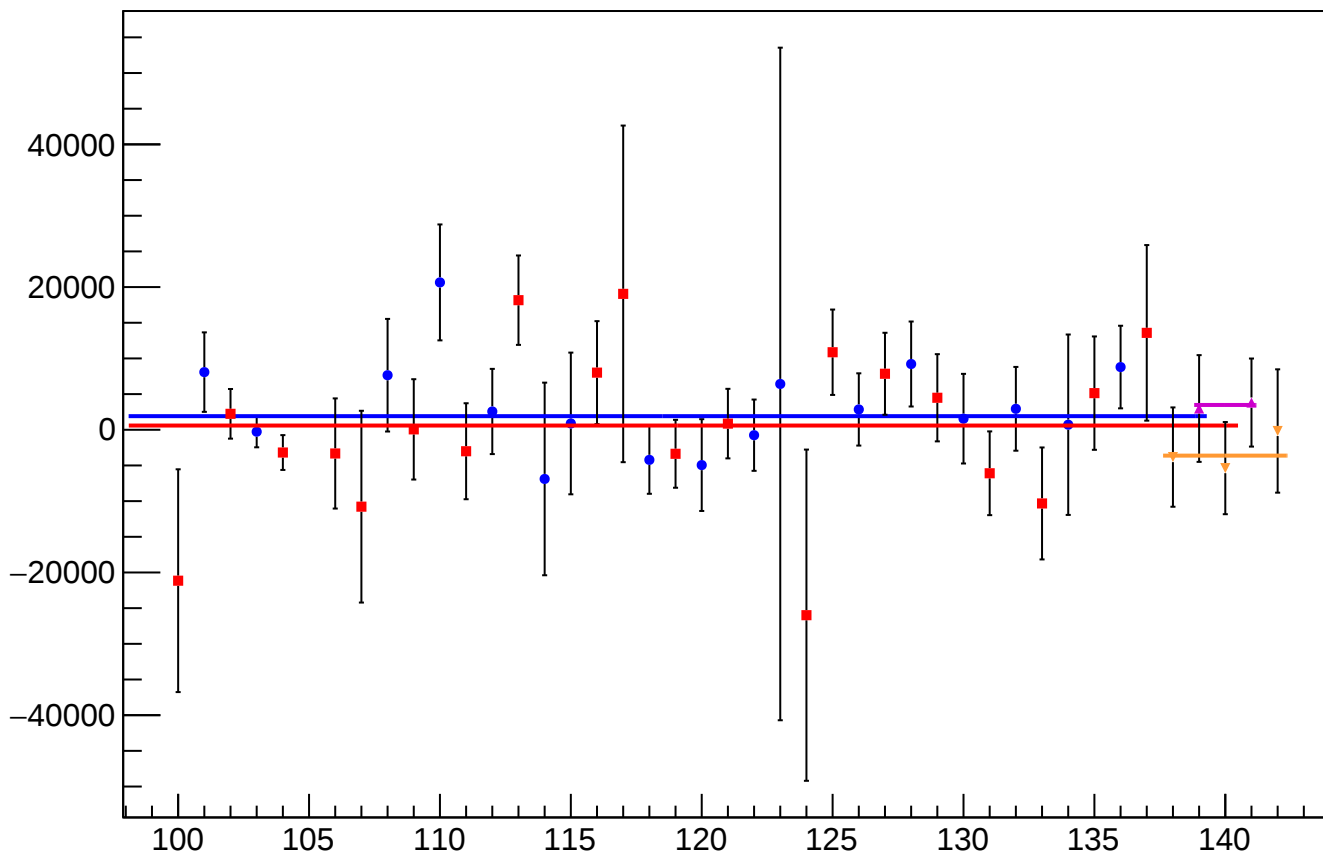
Left In: 5575.165+/-3.163 χ^2/NDF :13311.5/1

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

812.571+/-0.238 χ^2/NDF : 21870090.8/41

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

asym_atl_avg_mean vs Slug, Sign Corrected



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

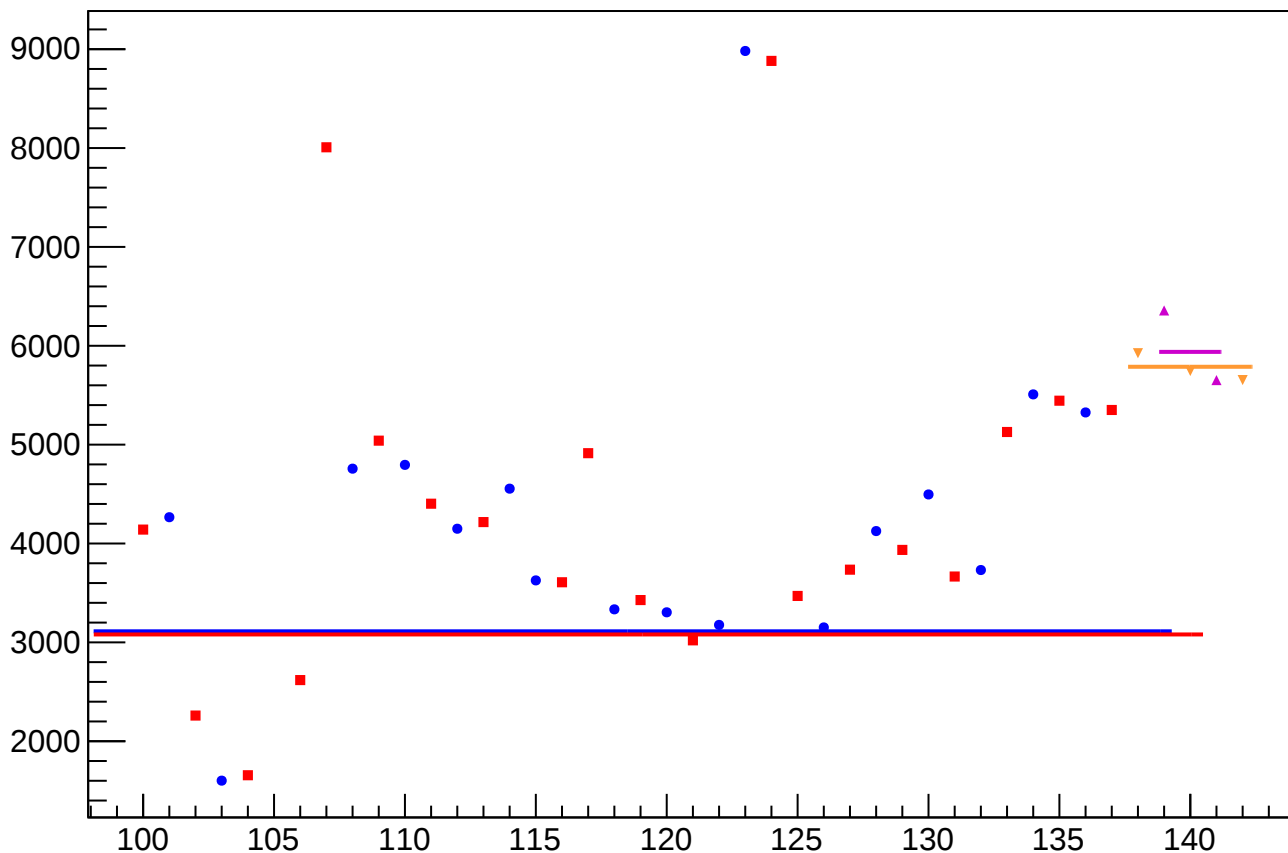
Left In: 3478.069+/-4760.368 χ^2/NDF : 0.0/1

1408.596+/-1249.499 χ^2/NDF : 16.5/19

1096.803+/-880.014 χ^2/NDF : 43.9/41

789.923+/-1239.616 χ^2/NDF : 27.3/21

asym_atl_avg_rms vs Slug, Sign Corrected



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

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

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

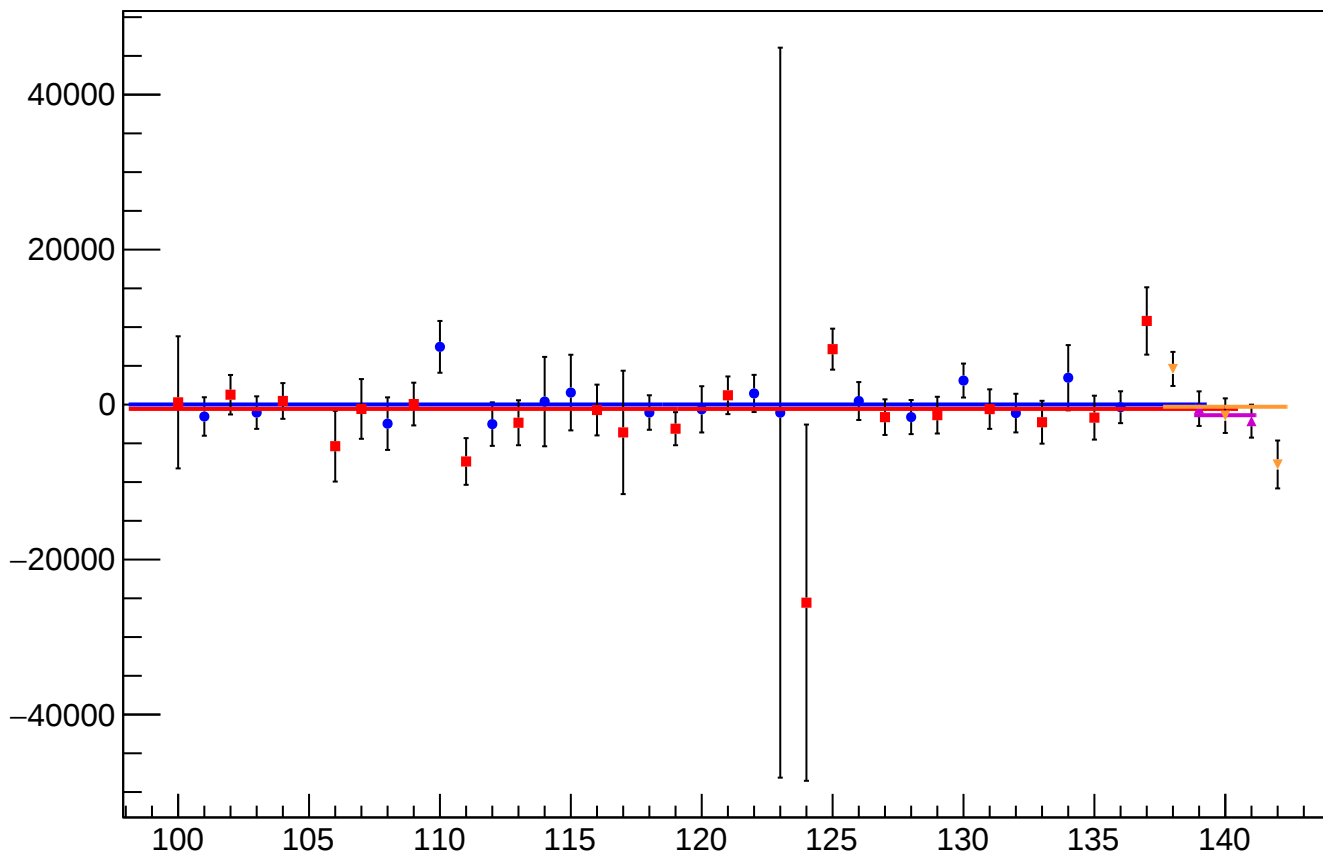
Left In: 5938.276+/-3.366 χ^2/NDF : 10554.0/1

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

3310.473+/-0.618 χ^2/NDF : 5342660.2/41

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

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

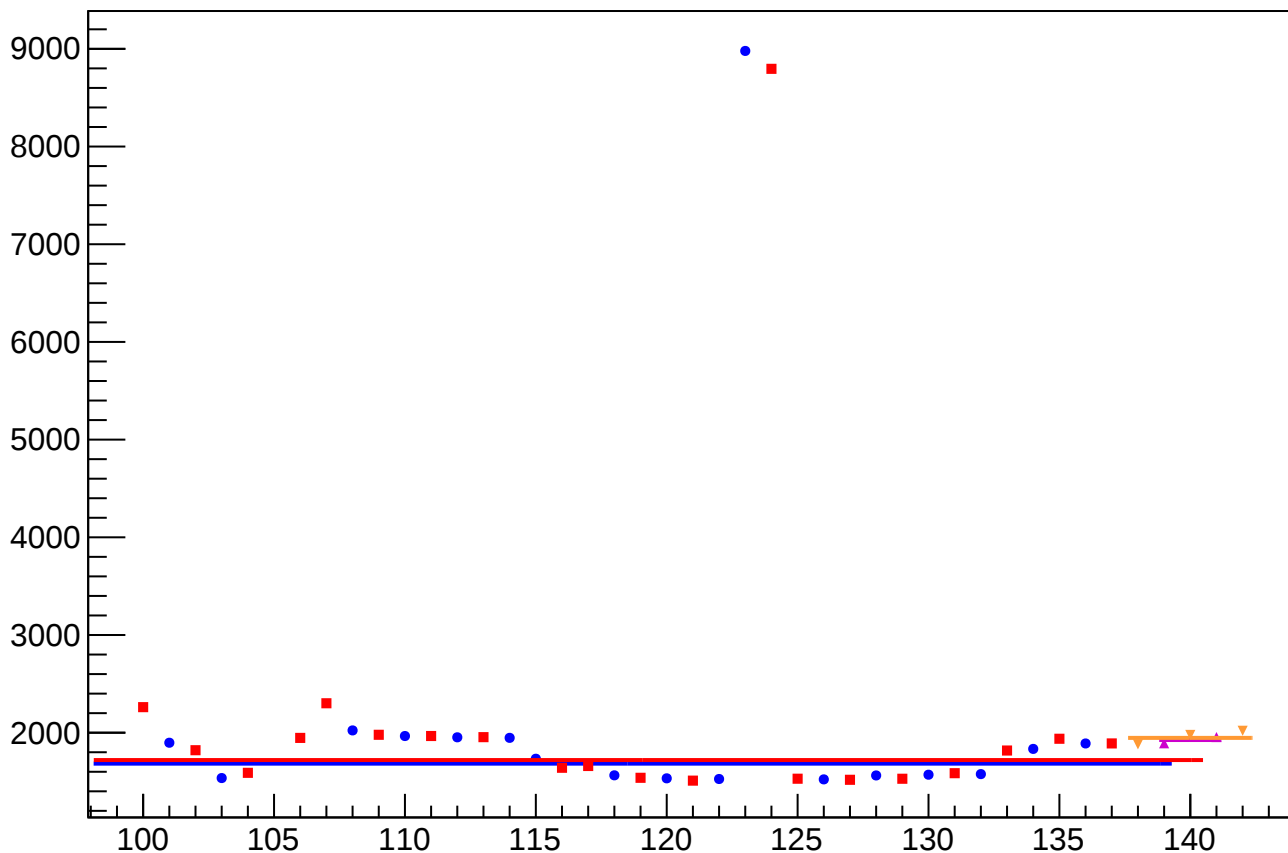
Left In: -1368.290+/-1540.118 χ^2/NDF : 0.3/1

-39.772+/-597.560 χ^2/NDF : 22.2/19

-357.331+/-425.411 χ^2/NDF : 50.1/41

-683.675+/-605.769 χ^2/NDF : 27.3/21

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

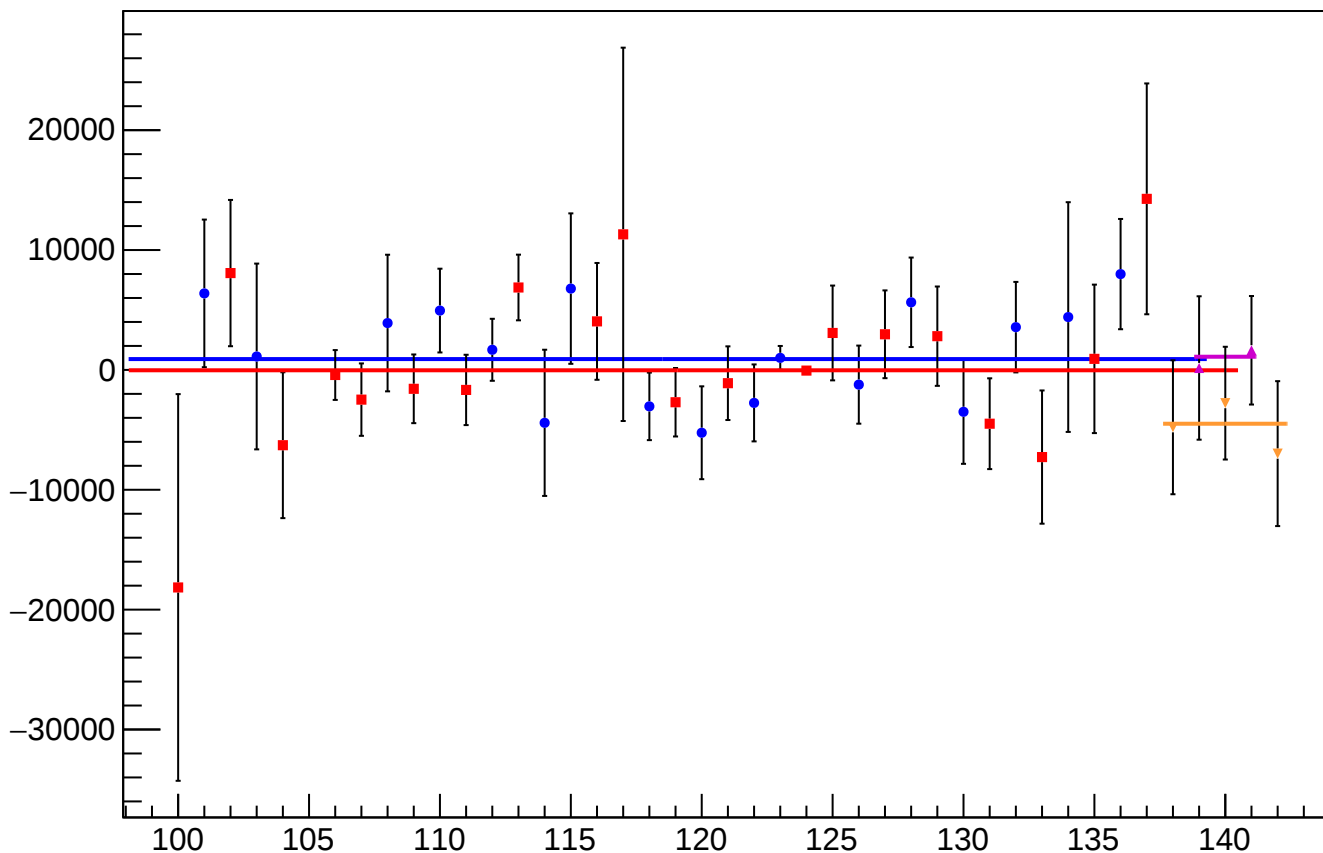
Left In: 1925.028+/-1.089 χ^2/NDF : 860.0/1

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

1741.382+/-0.300 χ^2/NDF : 685596.0/41

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

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

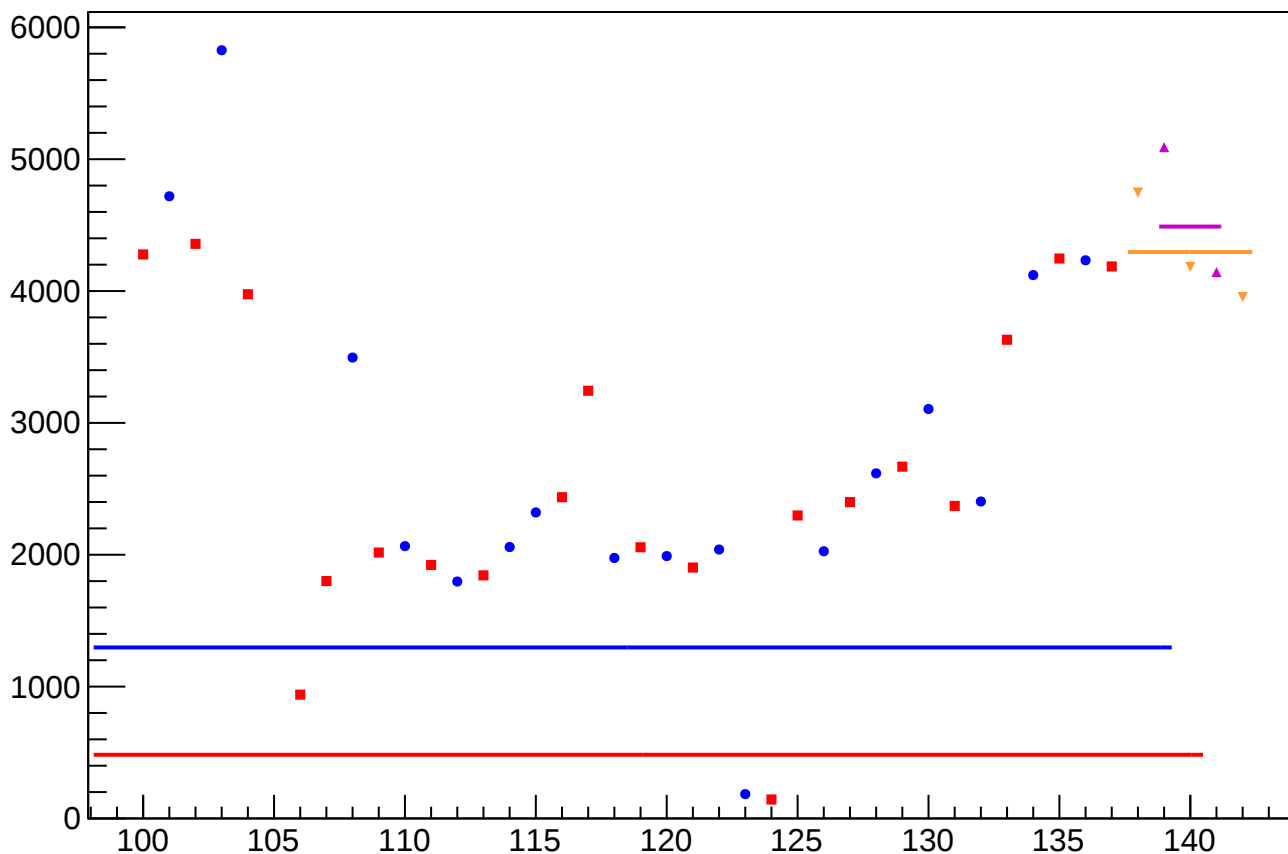
Left In: 1099.372+/-3609.667 χ^2/NDF : 0.0/1

636.359+/-687.882 χ^2/NDF : 19.2/19

117.303+/-315.711 χ^2/NDF : 41.1/41

-21.211+/-355.348 χ^2/NDF : 21.2/21

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

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

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

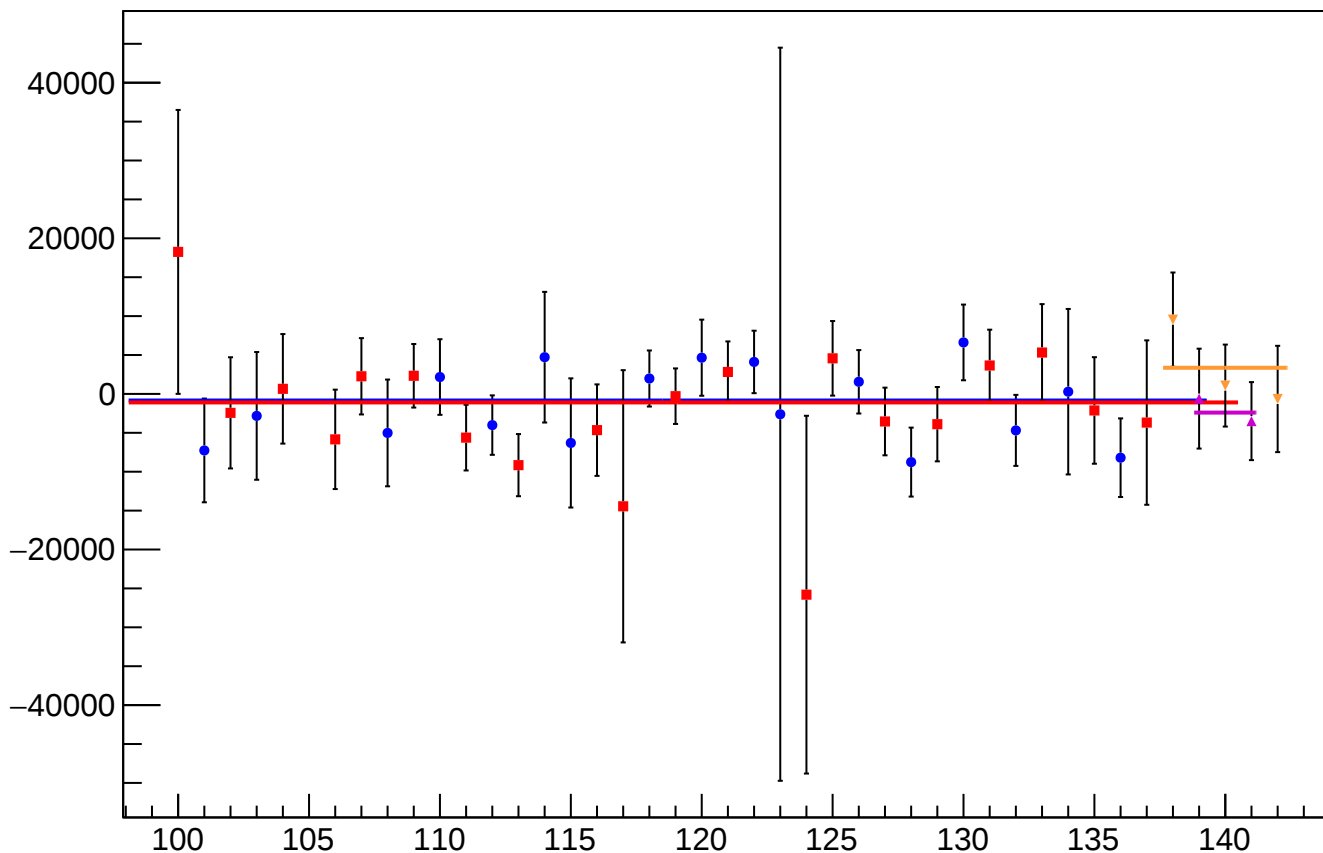
Left In: 4489.077+/-2.552 χ^2/NDF : 31894.3/1

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

716.399+/-0.223 χ^2/NDF : 23842619.4/41

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

asym_atl_dd_mean vs Slug, Sign Corrected



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

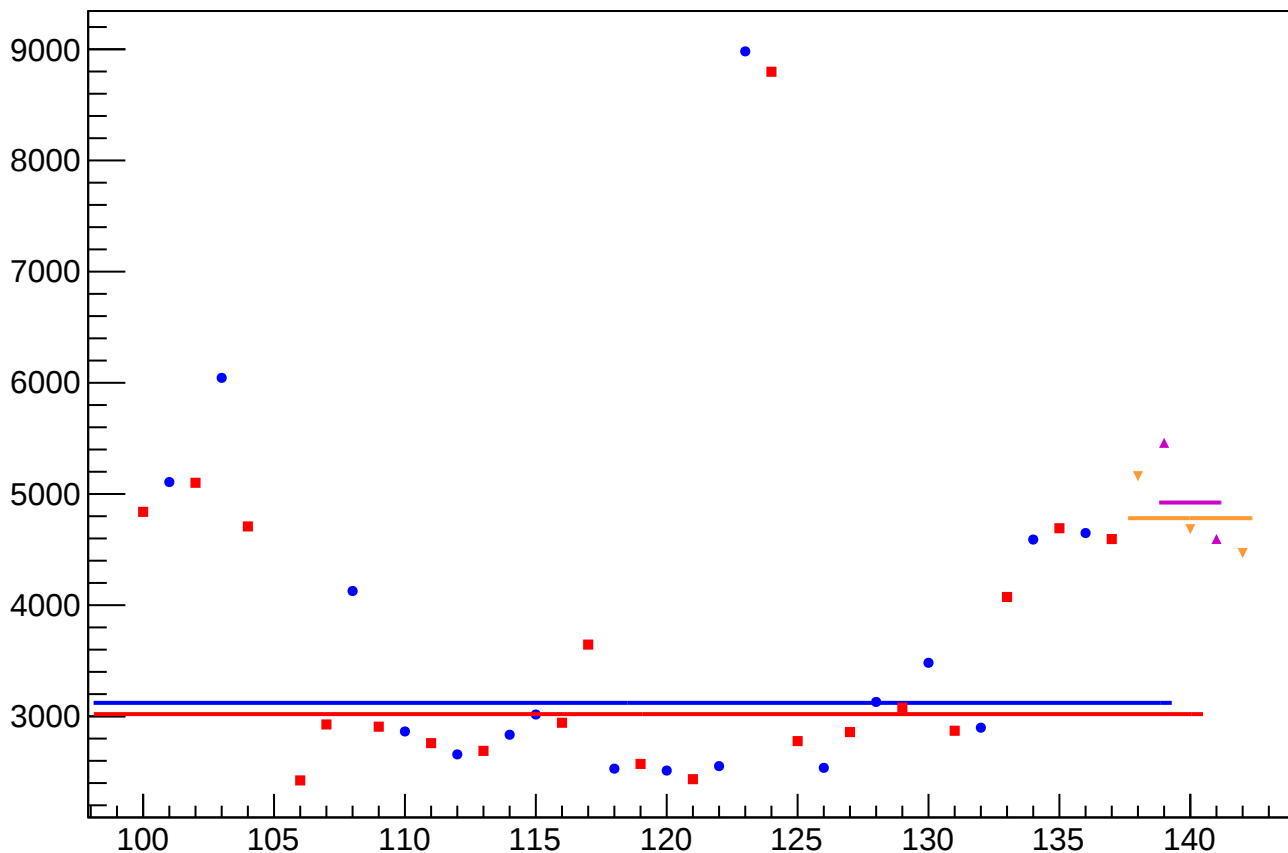
Left In: -2401.294+/-3951.254 χ^2/NDF : 0.1/1

-349.761+/-1183.826 χ^2/NDF : 18.3/19

-793.509+/-820.282 χ^2/NDF : 34.4/41

-1203.322+/-1137.660 χ^2/NDF : 15.8/21

asym_atl_dd_rms vs Slug, Sign Corrected



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

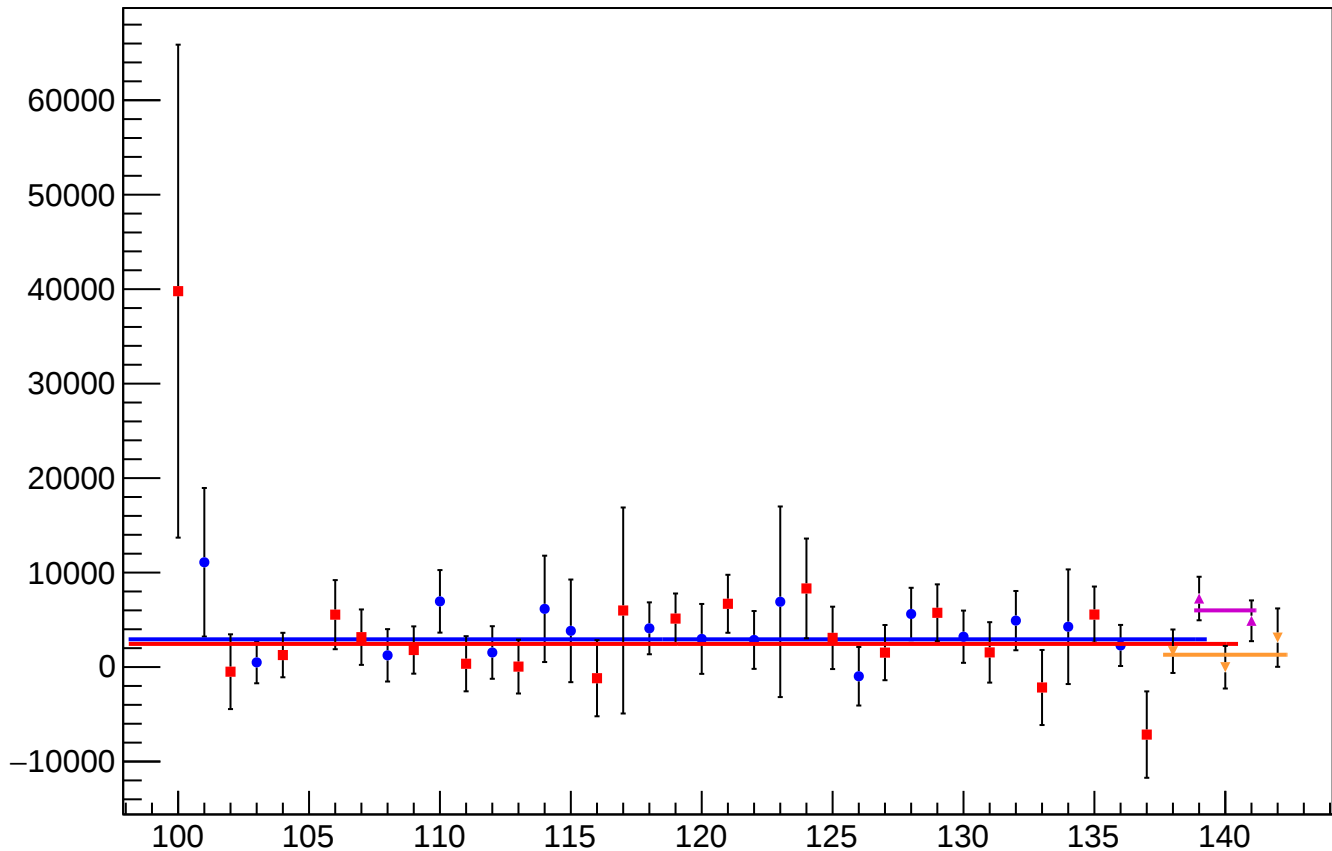
Left In: 4923.108+/-2.794 χ^2/NDF :22548.7/1

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

3242.707+/-0.577 χ^2/NDF : 2629353.5/41

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

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

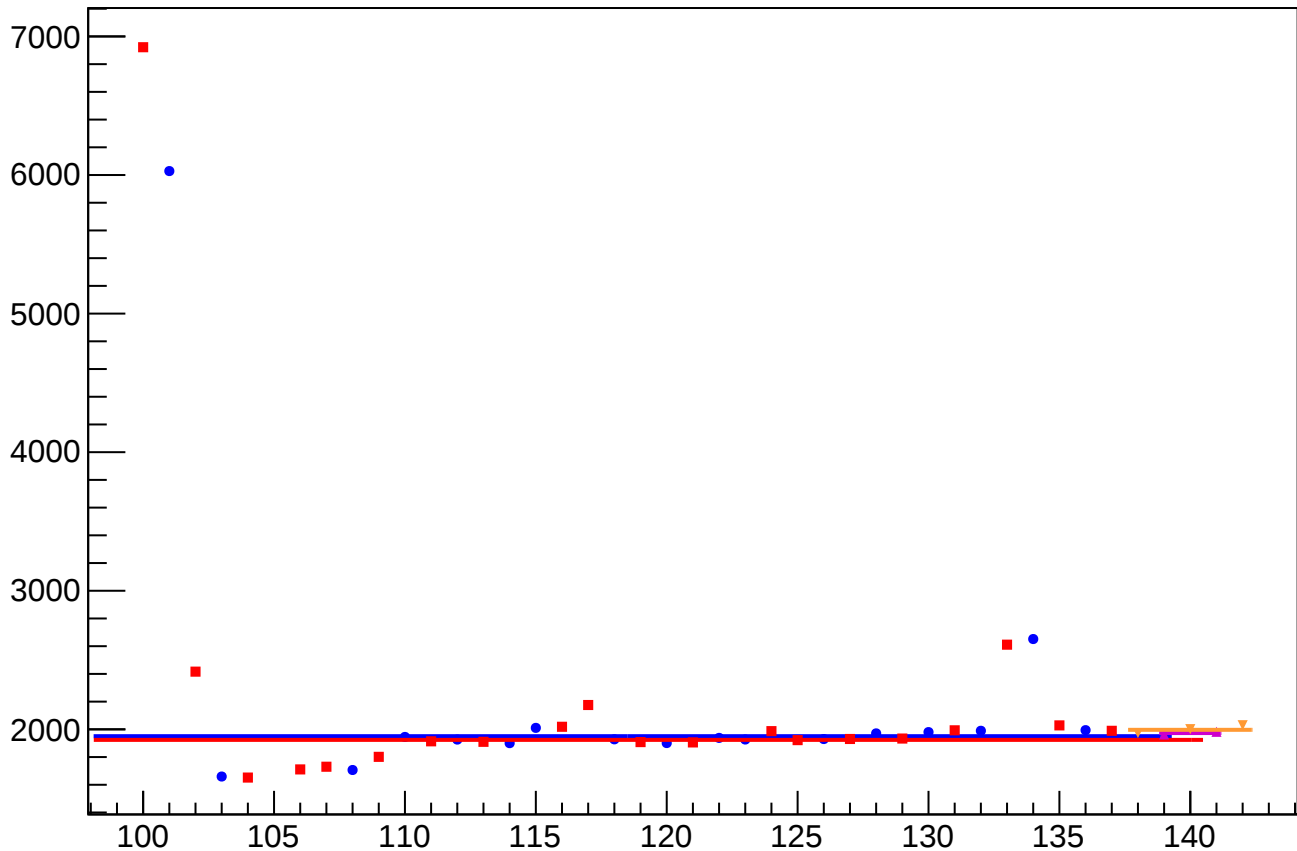
Left In: 5998.288+/-1574.541 χ^2/NDF : 0.6/1

2564.167+/-681.407 χ^2/NDF : 9.9/19

2831.681+/-477.297 χ^2/NDF : 33.2/41

3089.364+/-668.770 χ^2/NDF : 23.0/21

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.615 $\pm$ 0.548 χ^2 /NDF: 617332.2/16

Left Out: 1996.503 $\pm$ 1.010 χ^2 /NDF:445.3/2

Right Out: 1923.907 $\pm$ 0.521 χ^2 /NDF: 218470.6/19

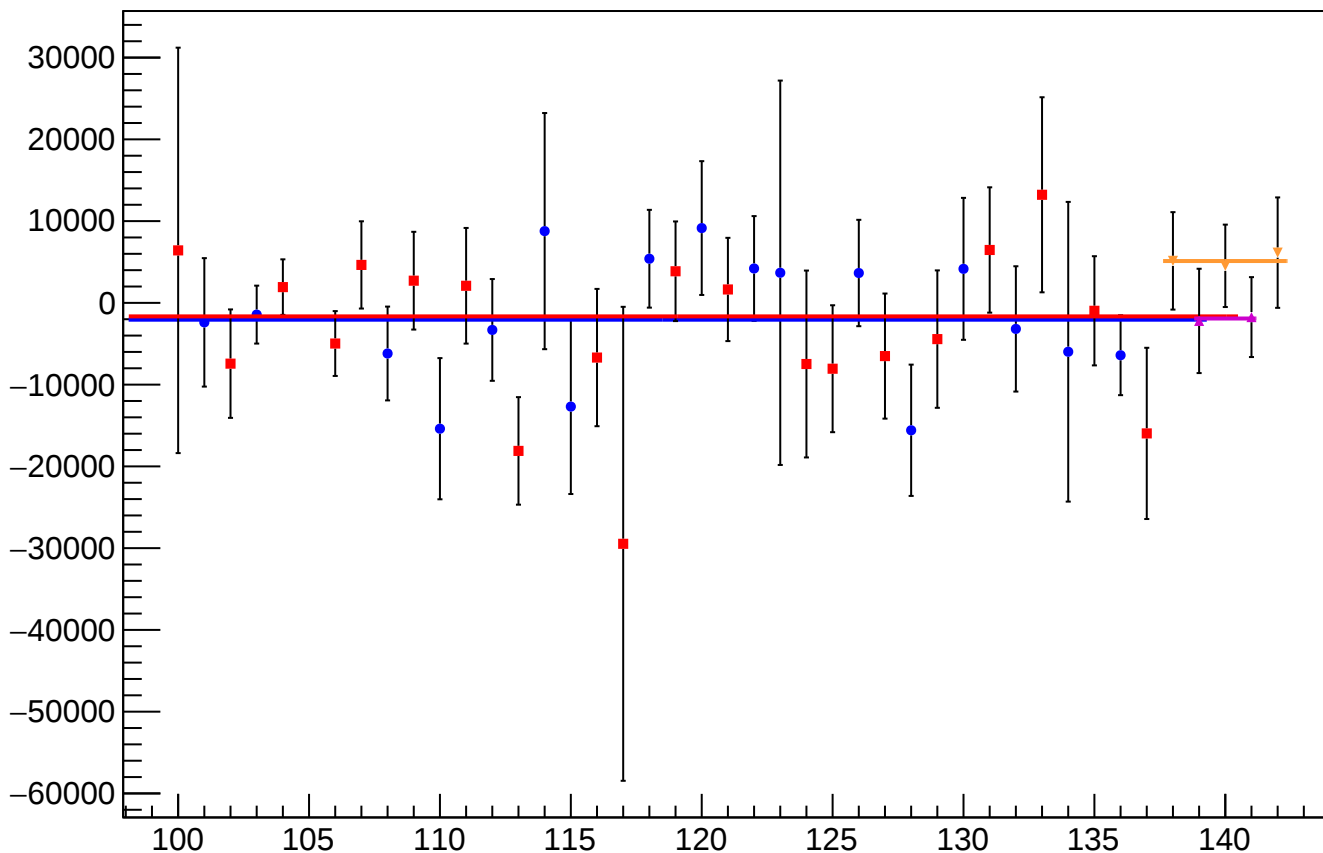
Left In: 1973.255 $\pm$ 1.113 χ^2 /NDF:74.4/1

1961.062 $\pm$ 0.482 χ^2 /NDF: 619372.4/19

1946.627 $\pm$ 0.337 χ^2 /NDF: 841287.6/41

1932.776 $\pm$ 0.472 χ^2 /NDF: 220156.4/21

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -2056.876 $\pm$ 1661.079 χ^2 /NDF: 14.0/16

Left Out: 5117.718 $\pm$ 3343.446 χ^2 /NDF: 0.0/2

Right Out: -1652.978 $\pm$ 1475.490 χ^2 /NDF: 19.5/19

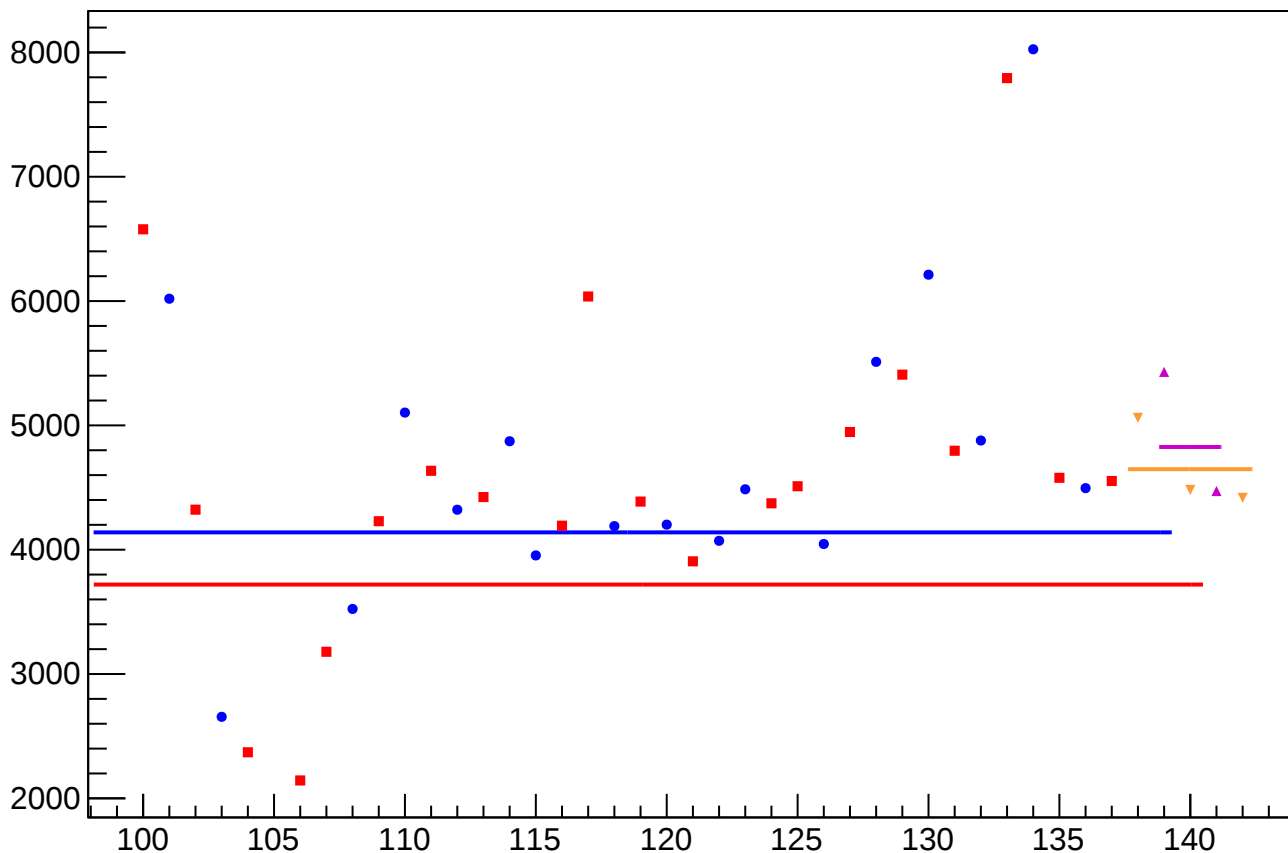
Left In: -1912.420 $\pm$ 3879.599 χ^2 /NDF: 0.0/1

-636.566 $\pm$ 1487.603 χ^2 /NDF: 17.7/19

-1200.813 $\pm$ 1011.363 χ^2 /NDF: 37.5/41

-1685.763 $\pm$ 1379.117 χ^2 /NDF: 19.5/21

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

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

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

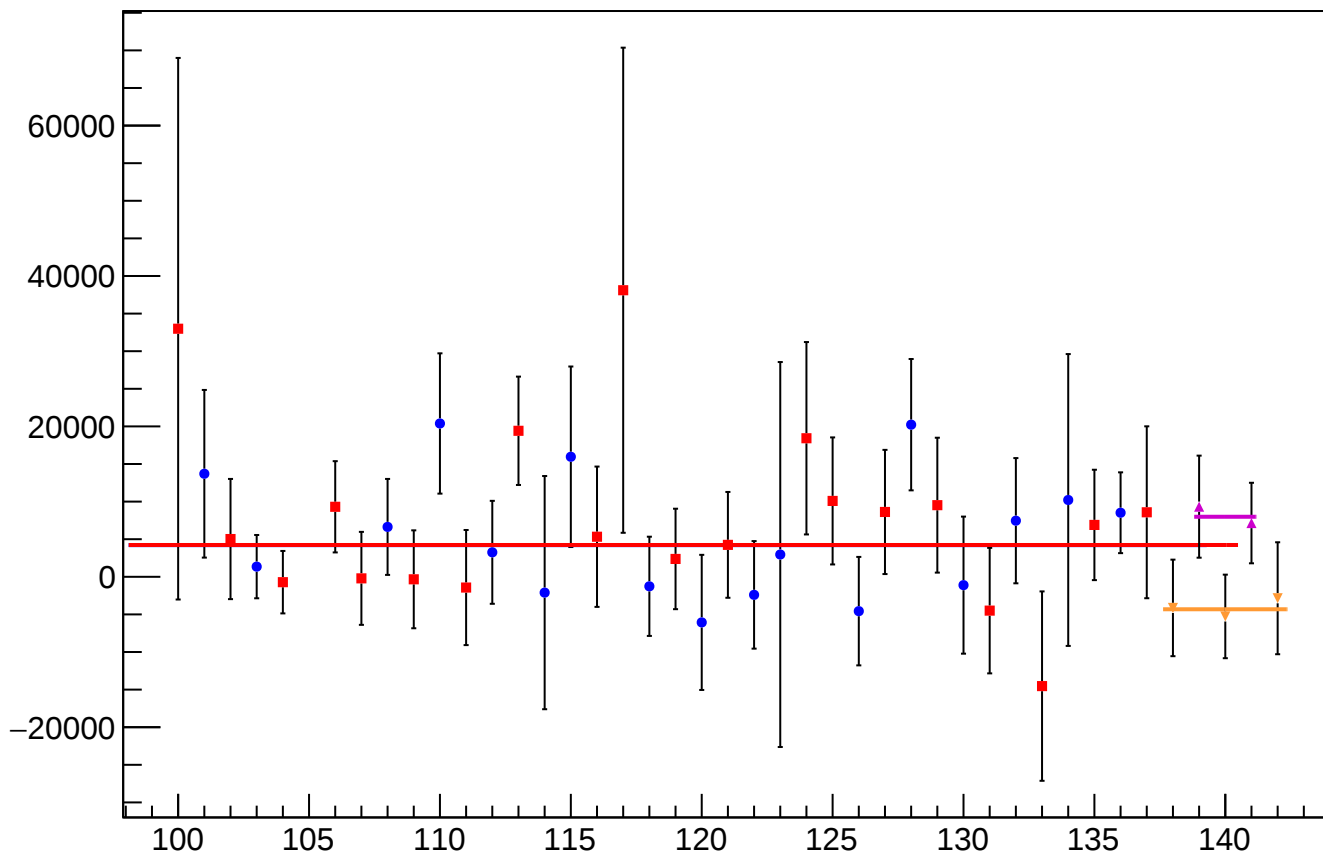
Left In: 4826.272+/-2.743 χ^2/NDF : 28447.9/1

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

4035.332+/-0.715 χ^2/NDF : 2394471.7/41

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

asym_atr_avg_mean vs Slug, Sign Corrected



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

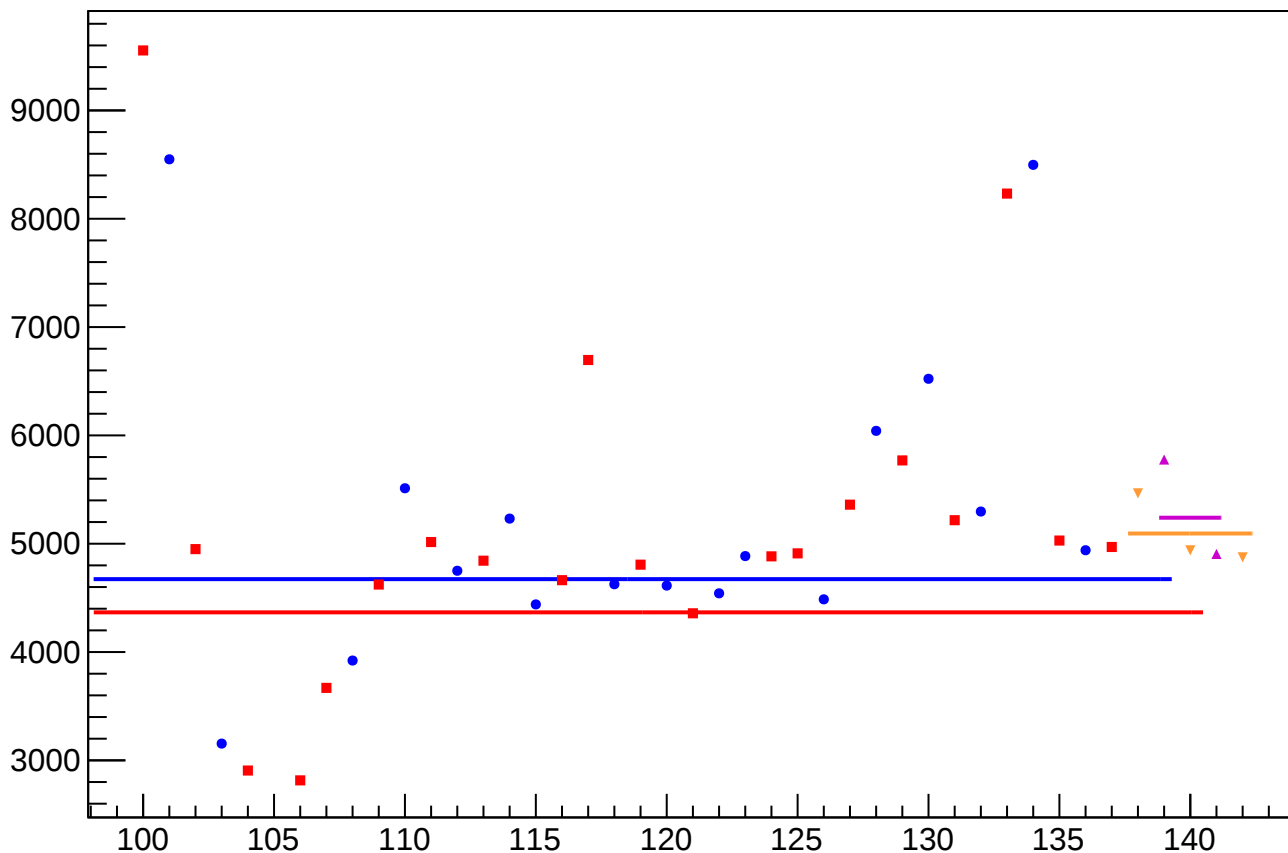
Left In: 7984.545+/-4203.420 χ^2/NDF : 0.1/1

2442.984+/-1665.995 χ^2/NDF : 18.8/19

3658.019+/-1151.802 χ^2/NDF : 36.4/41

4770.541+/-1594.166 χ^2/NDF : 16.6/21

asym_atr_avg_rms vs Slug, Sign Corrected



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

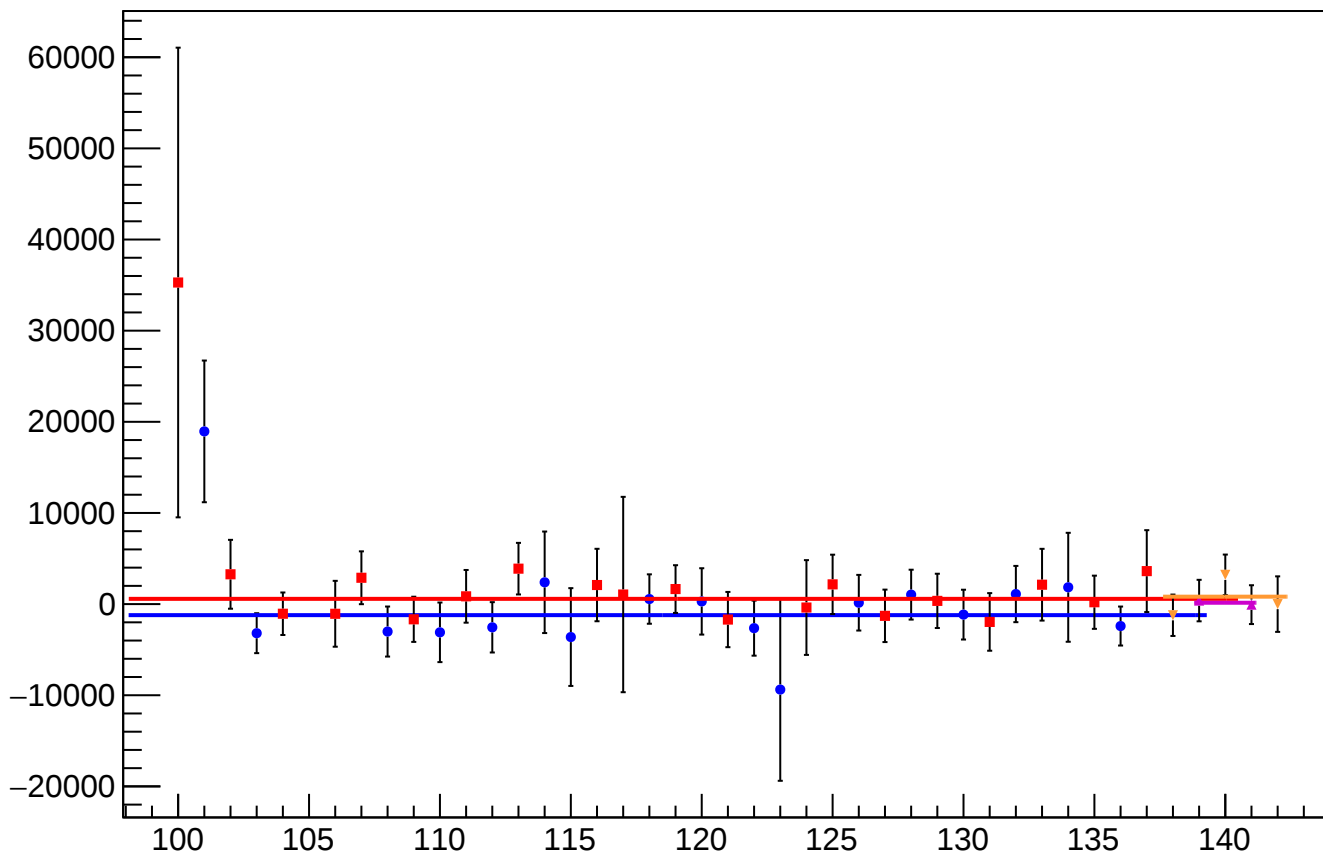
Left In: 5240.115+/-2.972 χ^2/NDF : 20327.4/1

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

4619.036+/-0.812 χ^2/NDF : 1772875.7/41

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

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

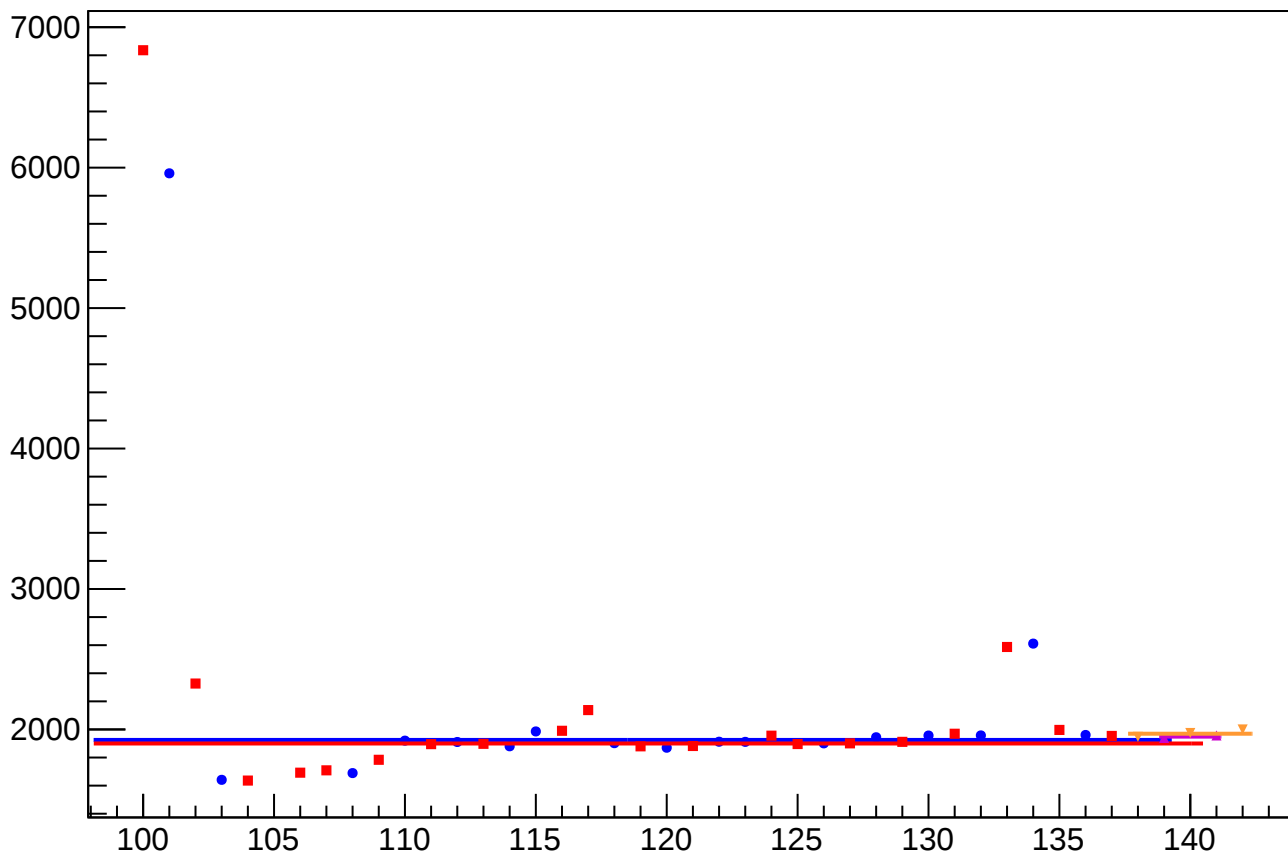
Left In: 148.399+/-1555.129 χ^2/NDF : 0.0/1

-749.445+/-672.483 χ^2/NDF : 16.3/19

-113.738+/-471.062 χ^2/NDF : 26.8/41

498.692+/-660.056 χ^2/NDF : 8.8/21

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

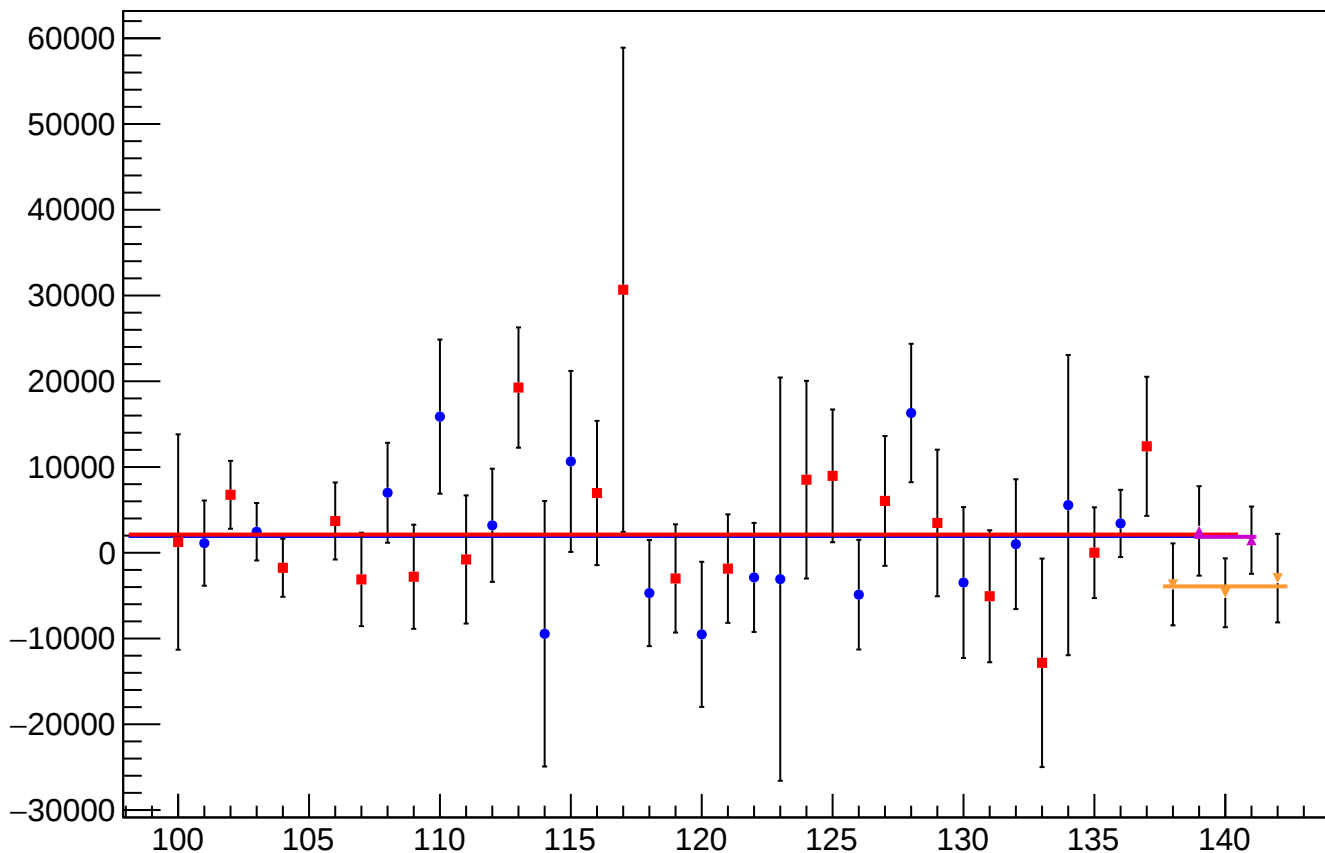
Left In: 1948.986+/-1.100 χ^2 /NDF:65.1/1

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

1921.803+/-0.333 χ^2 /NDF: 832951.3/41

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

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

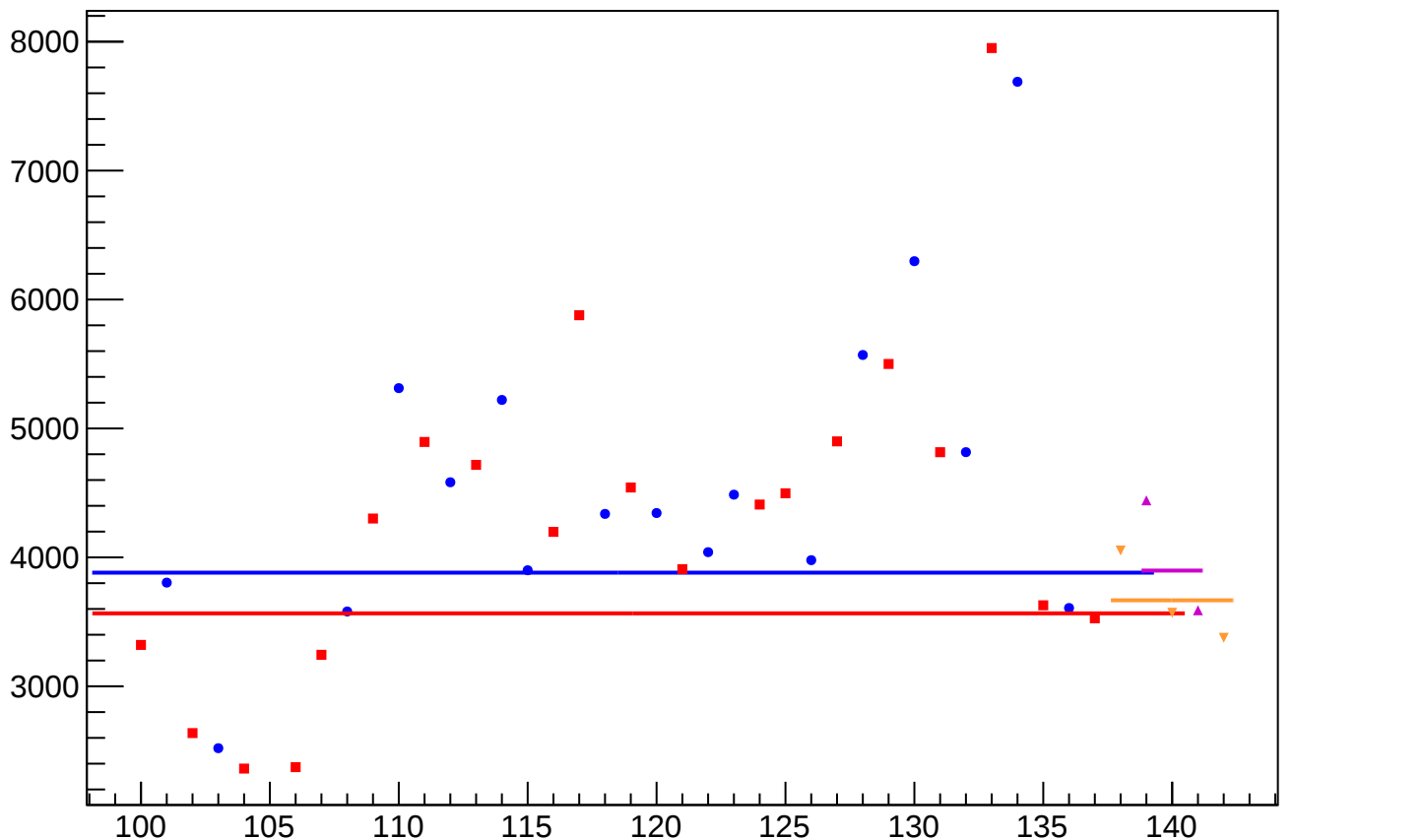
Left In: 1857.379 $\pm$ 3135.185 χ^2 /NDF: 0.0/1

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

1295.020 $\pm$ 928.762 χ^2 /NDF: 36.0/41

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

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

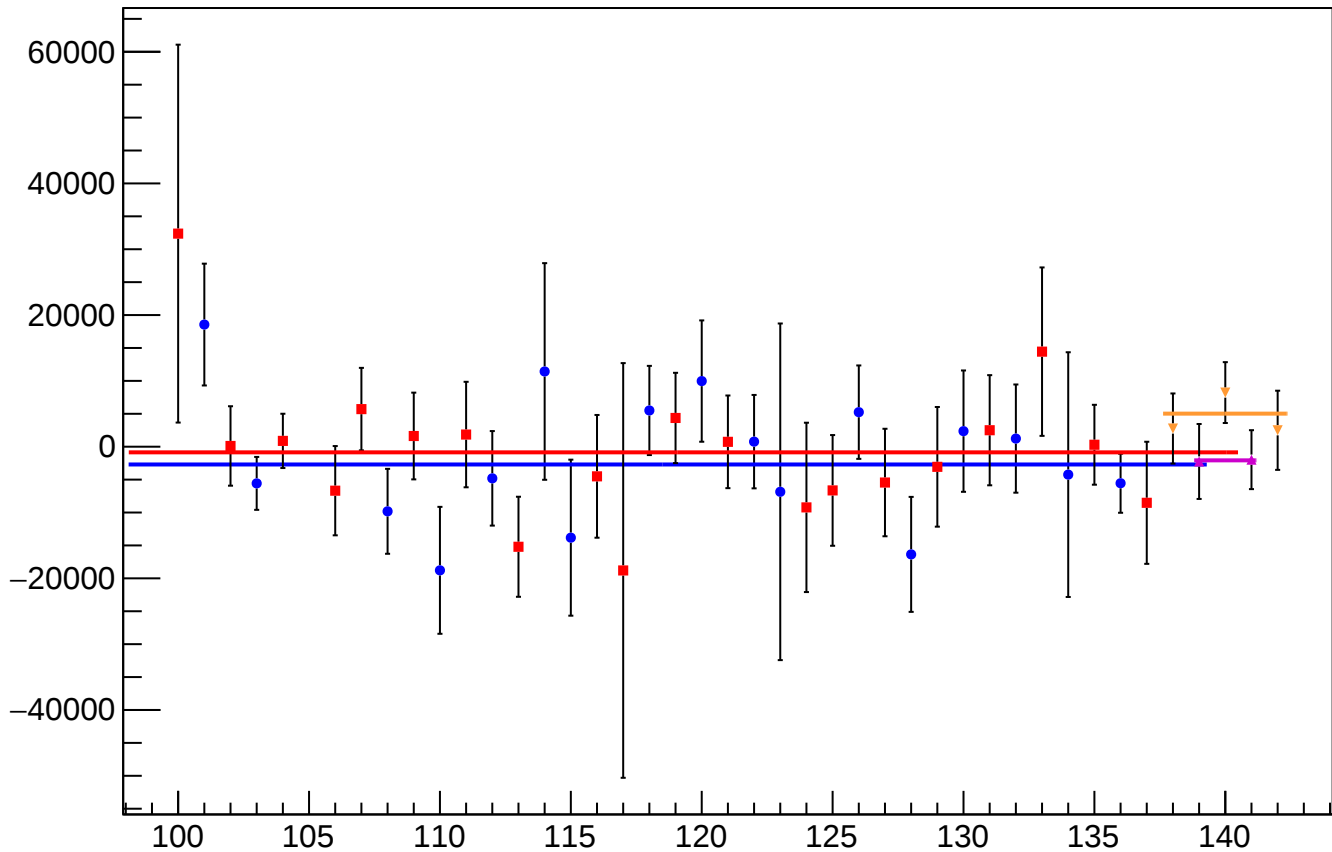
Left In: 3897.638+/-2.217 χ^2/NDF : 34135.2/1

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

3719.856+/-0.657 χ^2/NDF : 2179719.7/41

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

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 5023.455 $\pm$ 3020.020 χ^2 /NDF: 0.8/2

Right Out: -857.617 $\pm$ 1687.925 χ^2 /NDF: 11.9/19

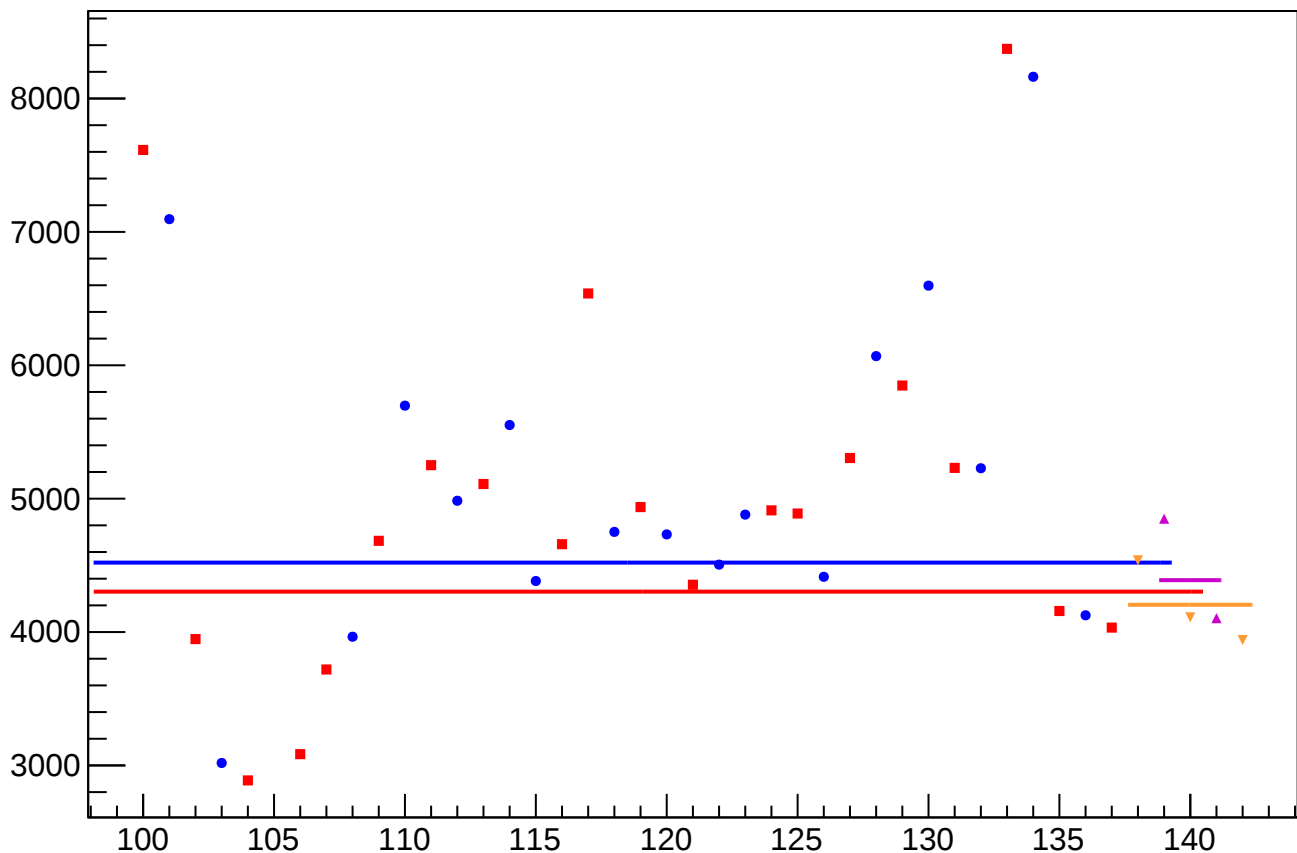
Left In: -2073.911 $\pm$ 3519.429 χ^2 /NDF: 0.0/1

-660.979 $\pm$ 1551.922 χ^2 /NDF: 25.4/19

-877.160 $\pm$ 1086.619 χ^2 /NDF: 37.4/41

-1085.069 $\pm$ 1521.940 χ^2 /NDF: 12.0/21

asym_atr_dd_rms vs Slug, Sign Corrected



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

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

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

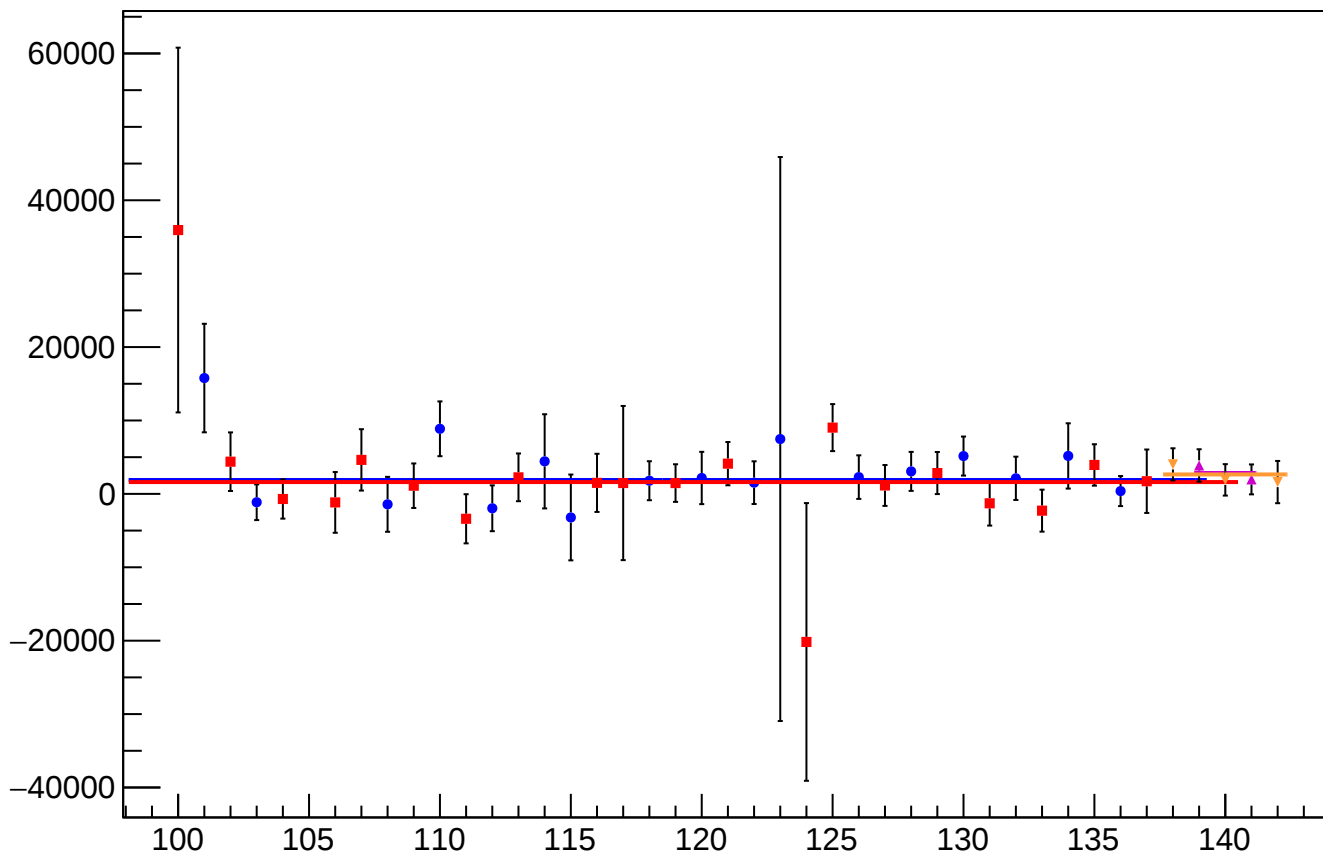
Left In: 4388.927+/-2.489 χ^2/NDF : 21197.6/1

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

4376.593+/-0.767 χ^2/NDF : 1609559.4/41

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

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

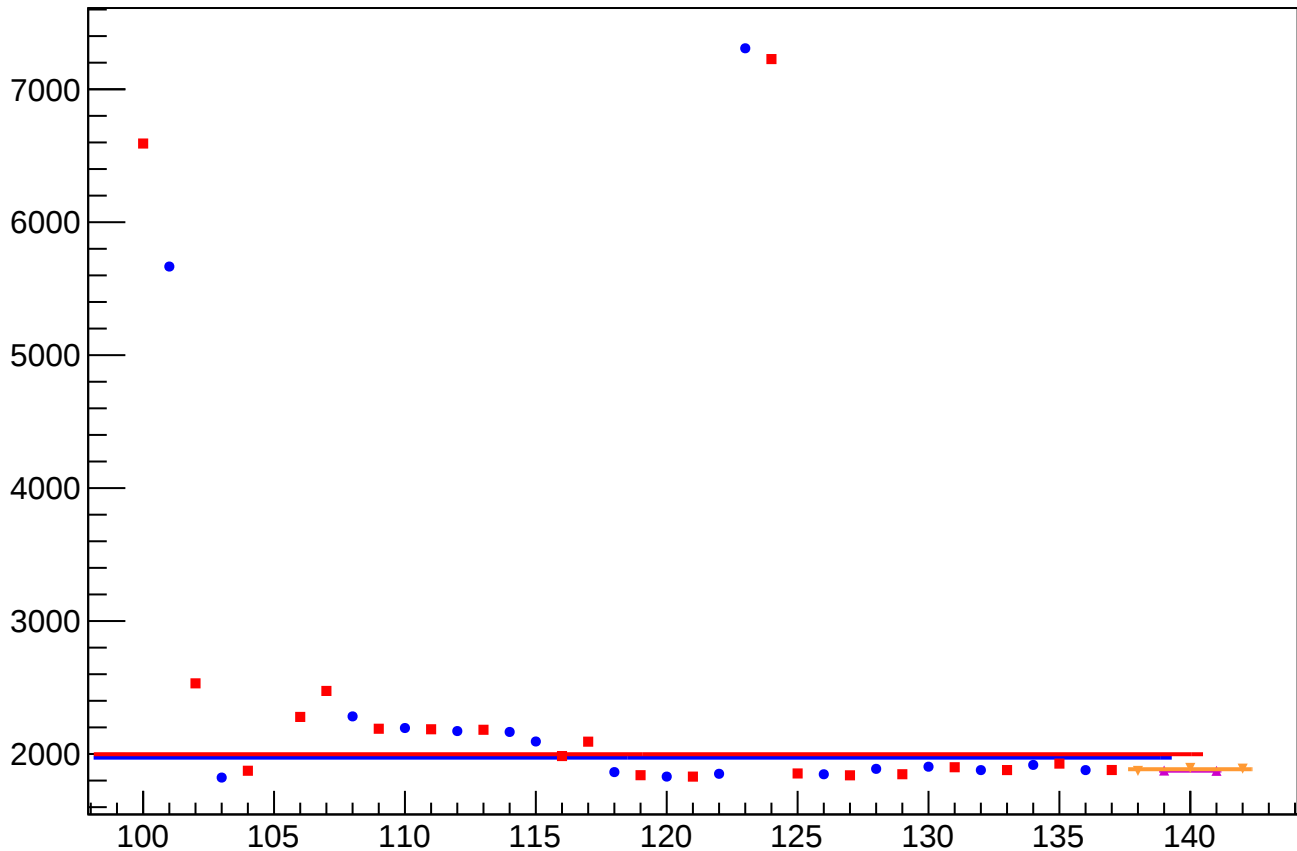
Left In: 2847.832+/-1497.448 χ^2/NDF : 0.4/1

2079.361+/-678.033 χ^2/NDF : 15.5/19

1972.681+/-480.281 χ^2/NDF : 34.0/41

1865.251+/-680.412 χ^2/NDF : 18.4/21

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

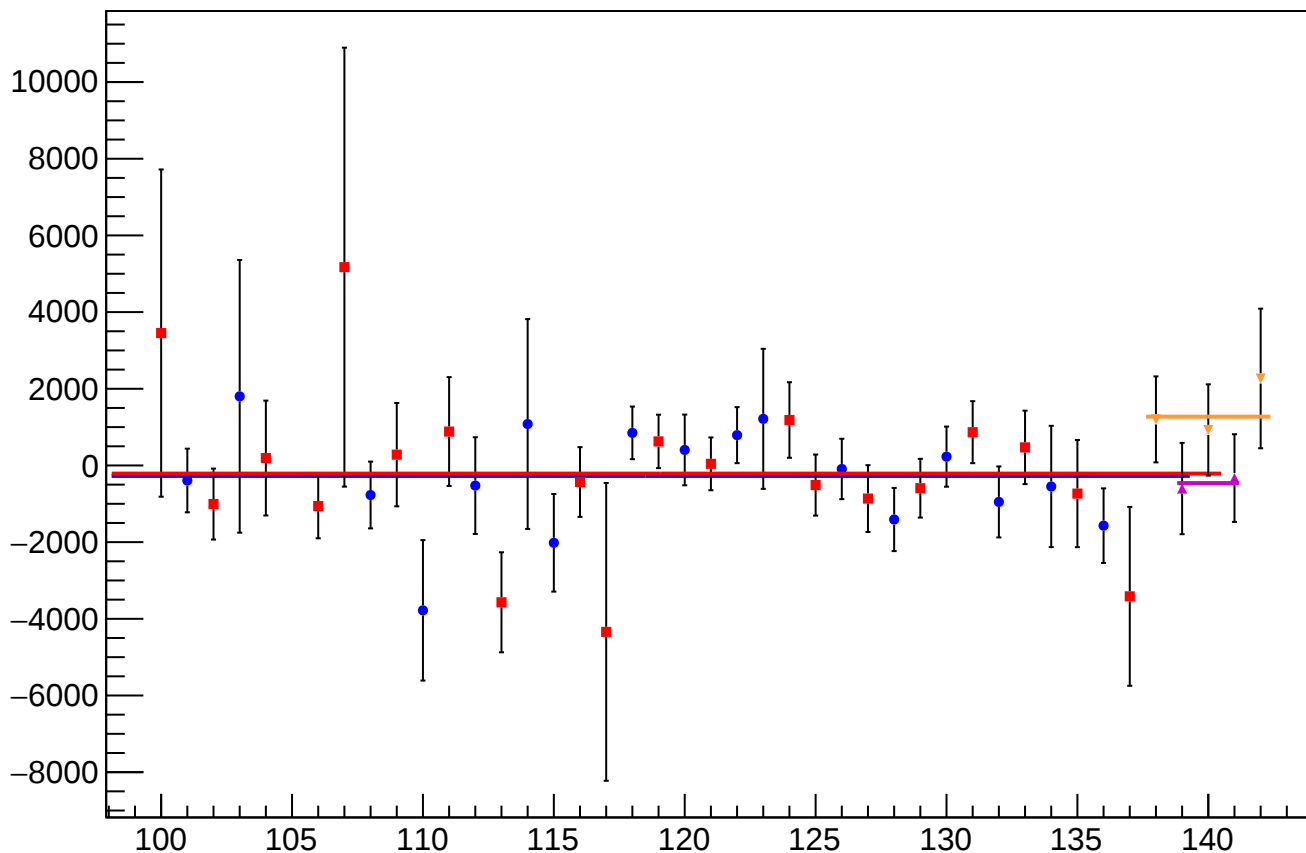
Left In: 1874.315+/-1.059 χ^2/NDF : 1.0/1

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

1961.527+/-0.340 χ^2/NDF : 974849.0/41

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

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 1272.087+/-744.733 χ^2/NDF : 0.4/2

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

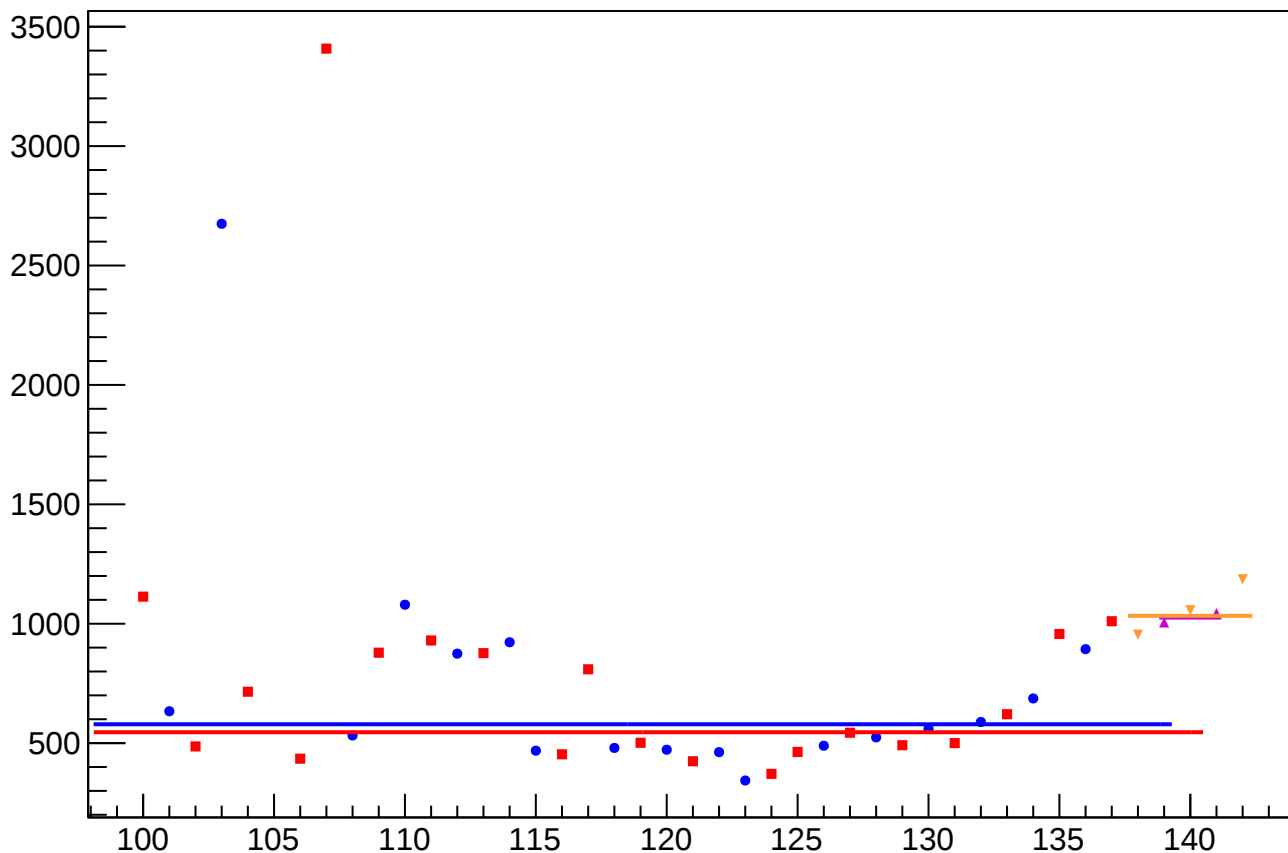
Left In: -459.989+/-824.874 χ^2/NDF : 0.0/1

-126.287+/-228.616 χ^2/NDF : 21.5/19

-180.271+/-158.646 χ^2/NDF : 42.6/41

-230.413+/-220.331 χ^2/NDF : 21.0/21

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

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

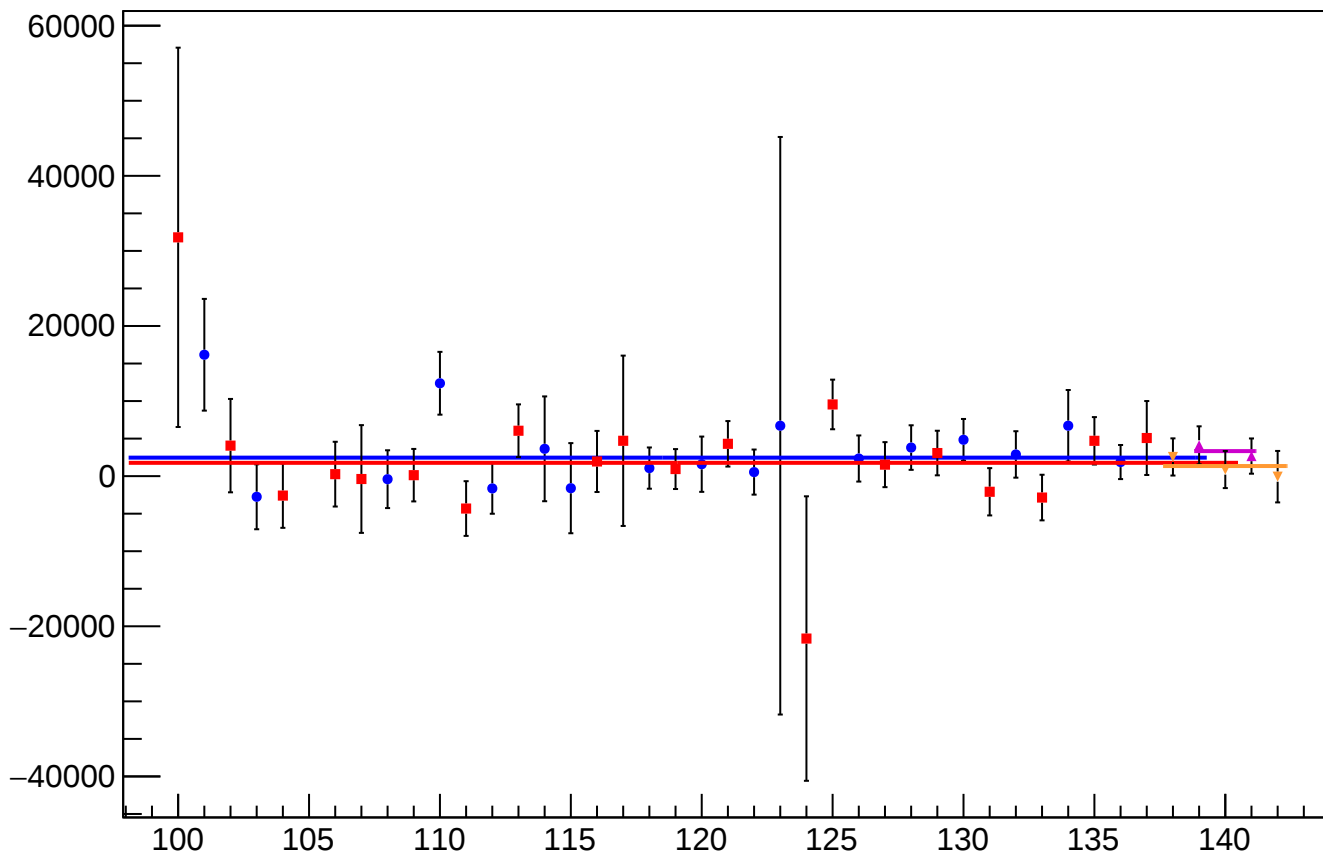
Left In: 1025.751 $\pm$ 0.583 χ^2 /NDF: 1128.8/1

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

600.049 $\pm$ 0.112 χ^2 /NDF: 4252791.1/41

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

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 1345.650 $\pm$ 1557.539 χ^2 /NDF: 0.4/2

Right Out: 1773.396 $\pm$ 850.889 χ^2 /NDF: 20.5/19

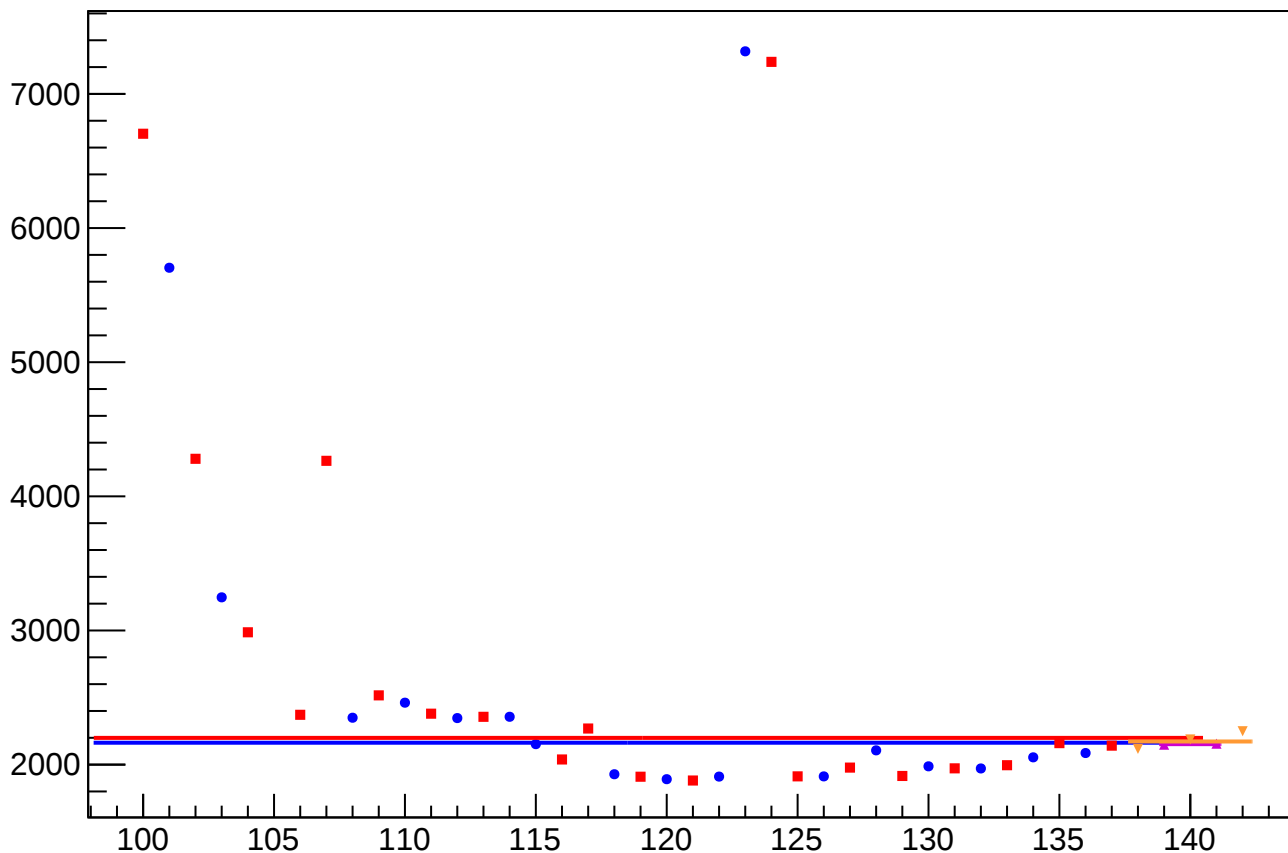
Left In: 3334.975 $\pm$ 1720.804 χ^2 /NDF: 0.2/1

2201.276 $\pm$ 755.002 χ^2 /NDF: 16.4/19

2141.351 $\pm$ 536.581 χ^2 /NDF: 37.8/41

2080.193 $\pm$ 762.737 χ^2 /NDF: 21.4/21

asym_at1_avg_rms vs Slug, Sign Corrected



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

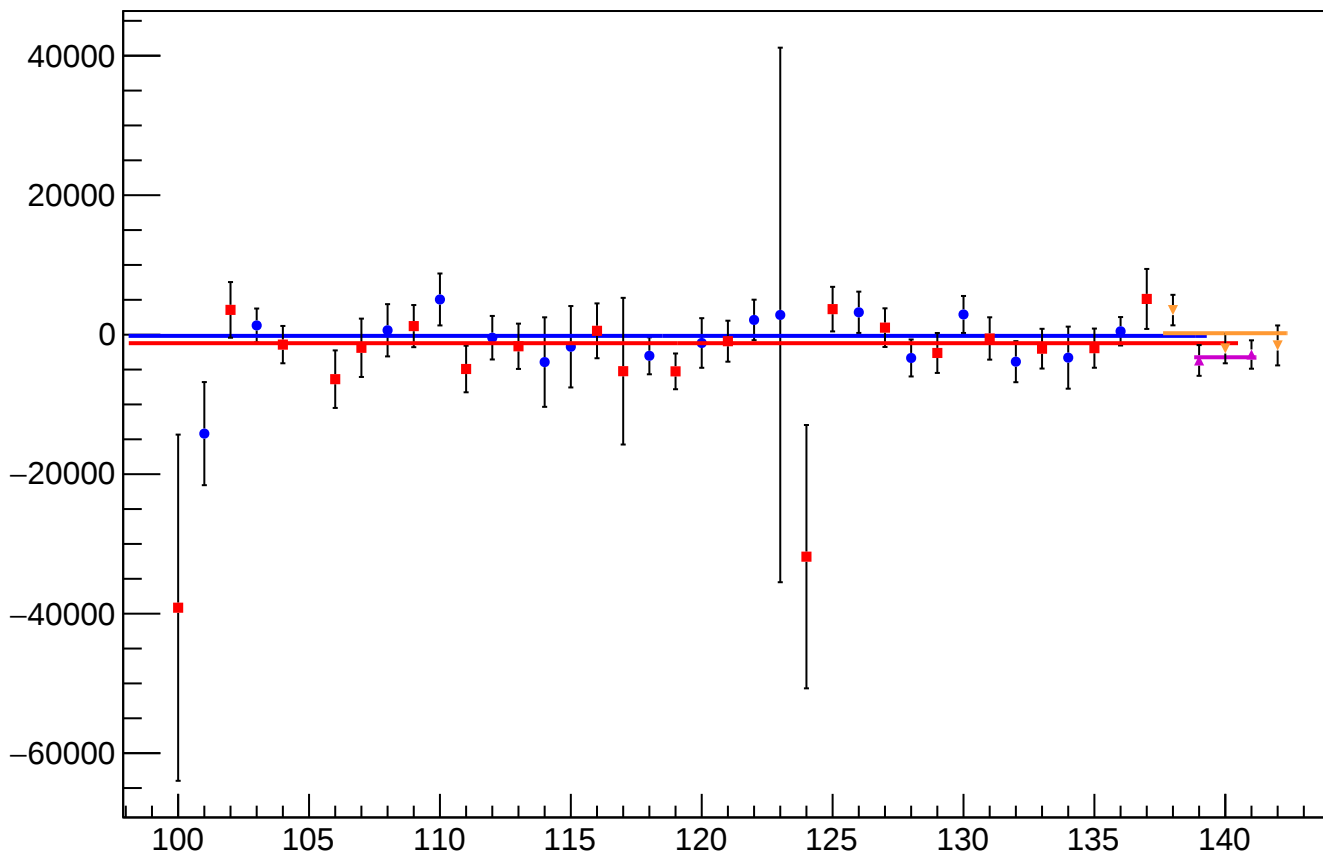
Left In: 2152.639+/-1.217 χ^2/NDF :9.3/1

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

2177.711+/-0.379 χ^2/NDF : 1517332.3/41

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

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: 211.600+/-1347.223 χ^2/NDF : 3.7/2

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

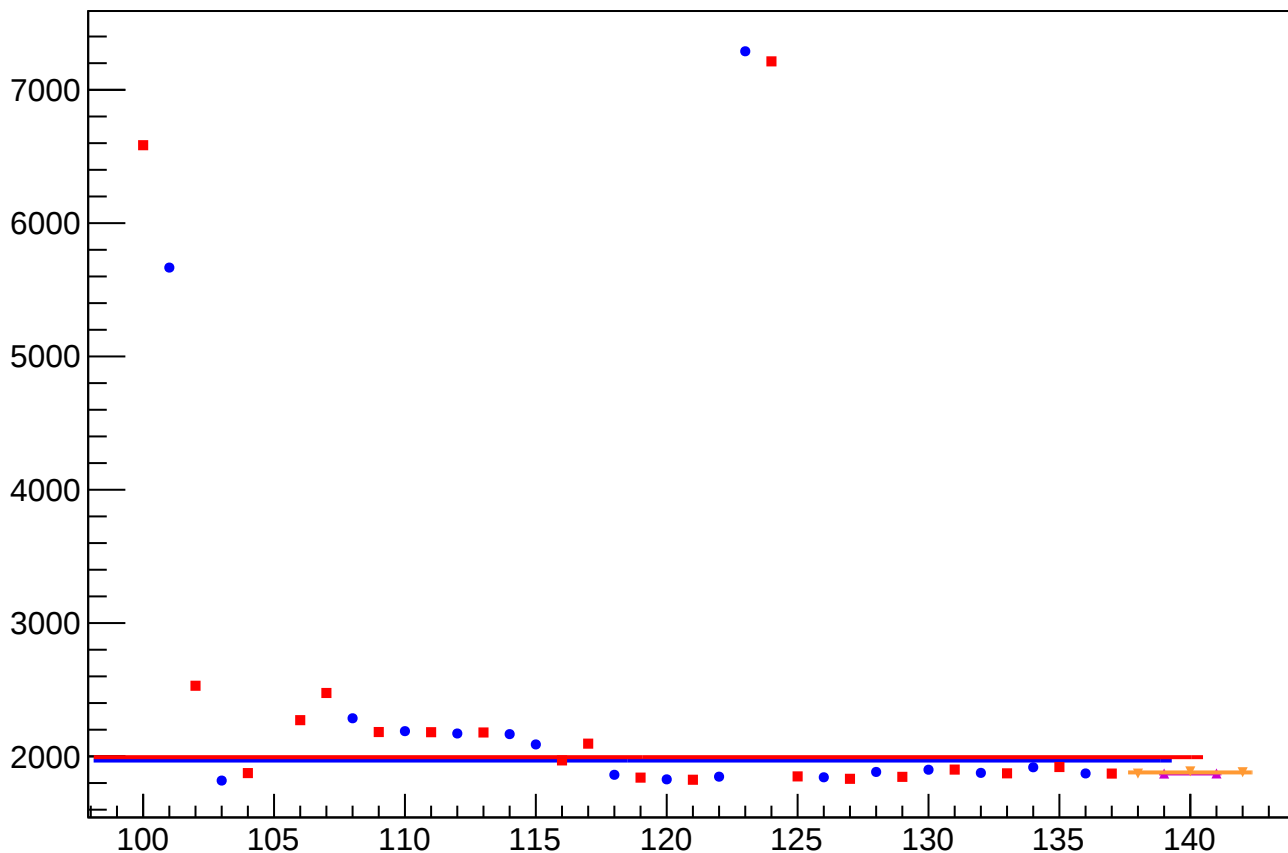
Left In: -3236.110+/-1495.229 χ^2/NDF : 0.1/1

-74.023+/-676.570 χ^2/NDF : 18.3/19

-851.546+/-479.297 χ^2/NDF : 40.8/41

-1634.879+/-679.092 χ^2/NDF : 19.8/21

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

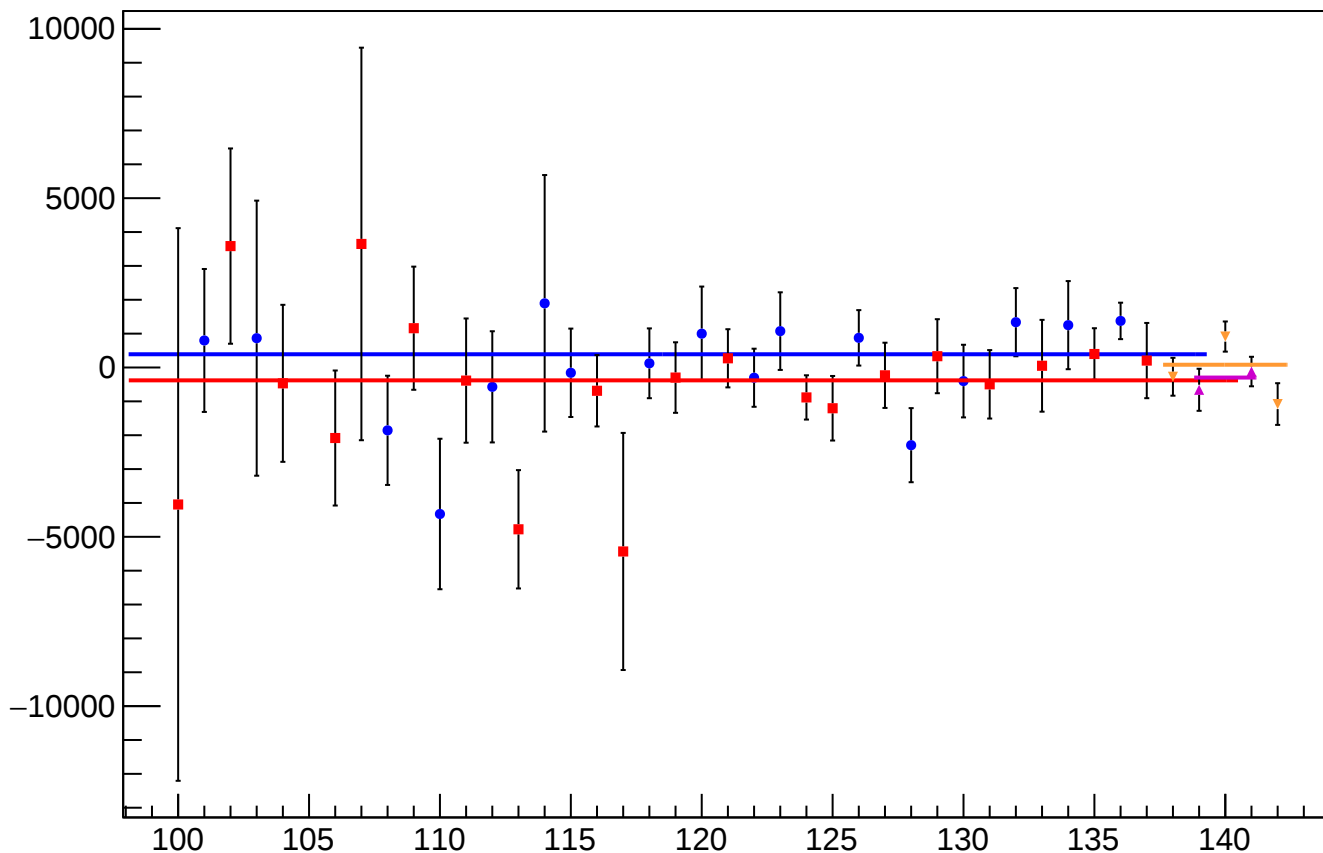
Left In: 1871.586+/-1.057 χ^2/NDF : 0.1/1

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

1957.388+/-0.339 χ^2/NDF : 977685.2/41

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

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923 $\pm$ 270.128 χ^2 /NDF: 20.0/16

Left Out: 81.347 $\pm$ 303.176 χ^2 /NDF: 7.5/2

Right Out: -379.833 $\pm$ 265.331 χ^2 /NDF: 16.3/19

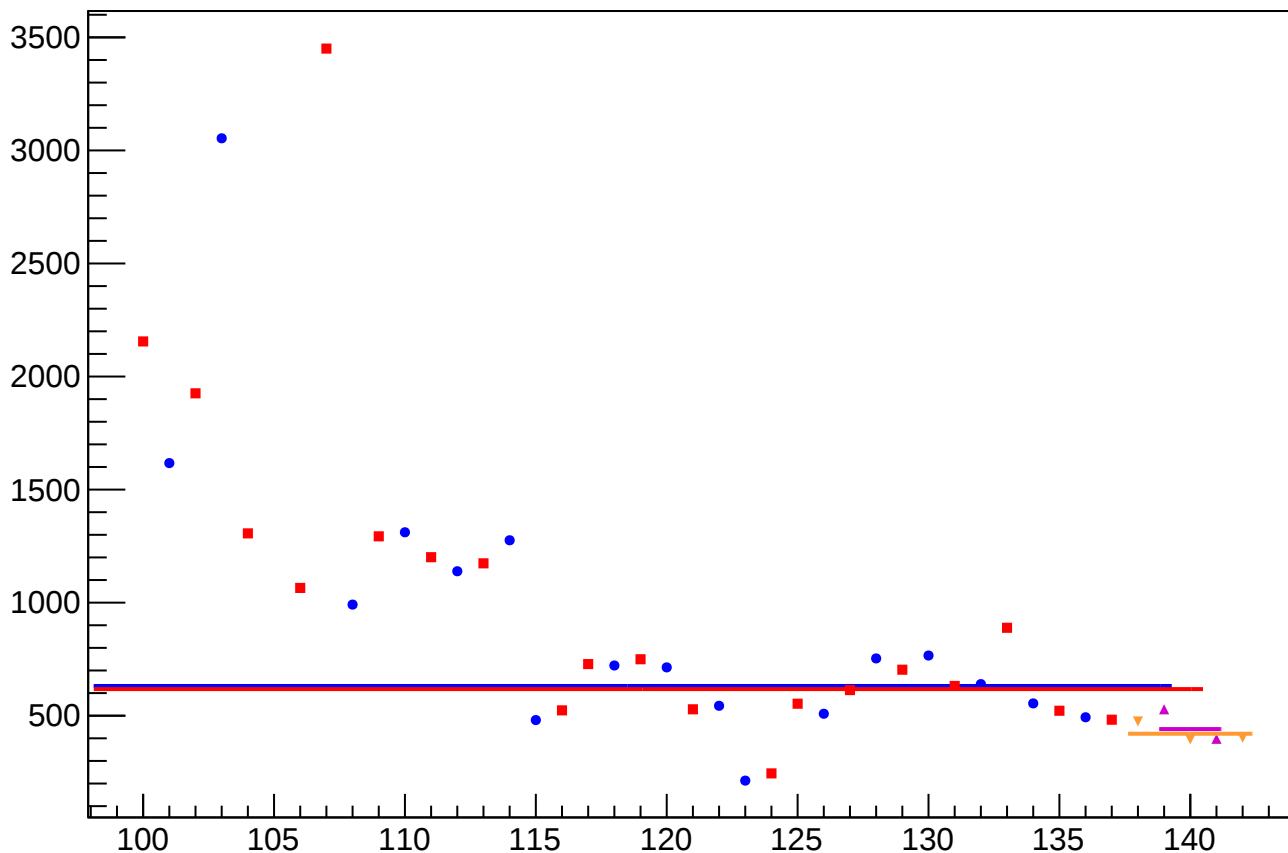
Left In: -297.328 $\pm$ 356.689 χ^2 /NDF: 0.5/1

253.922 $\pm$ 201.685 χ^2 /NDF: 28.1/19

-31.939 $\pm$ 146.414 χ^2 /NDF: 49.2/41

-350.442 $\pm$ 212.889 χ^2 /NDF: 16.9/21

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 420.239 $\pm$ 0.214 χ^2 /NDF: 26977.9/2

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

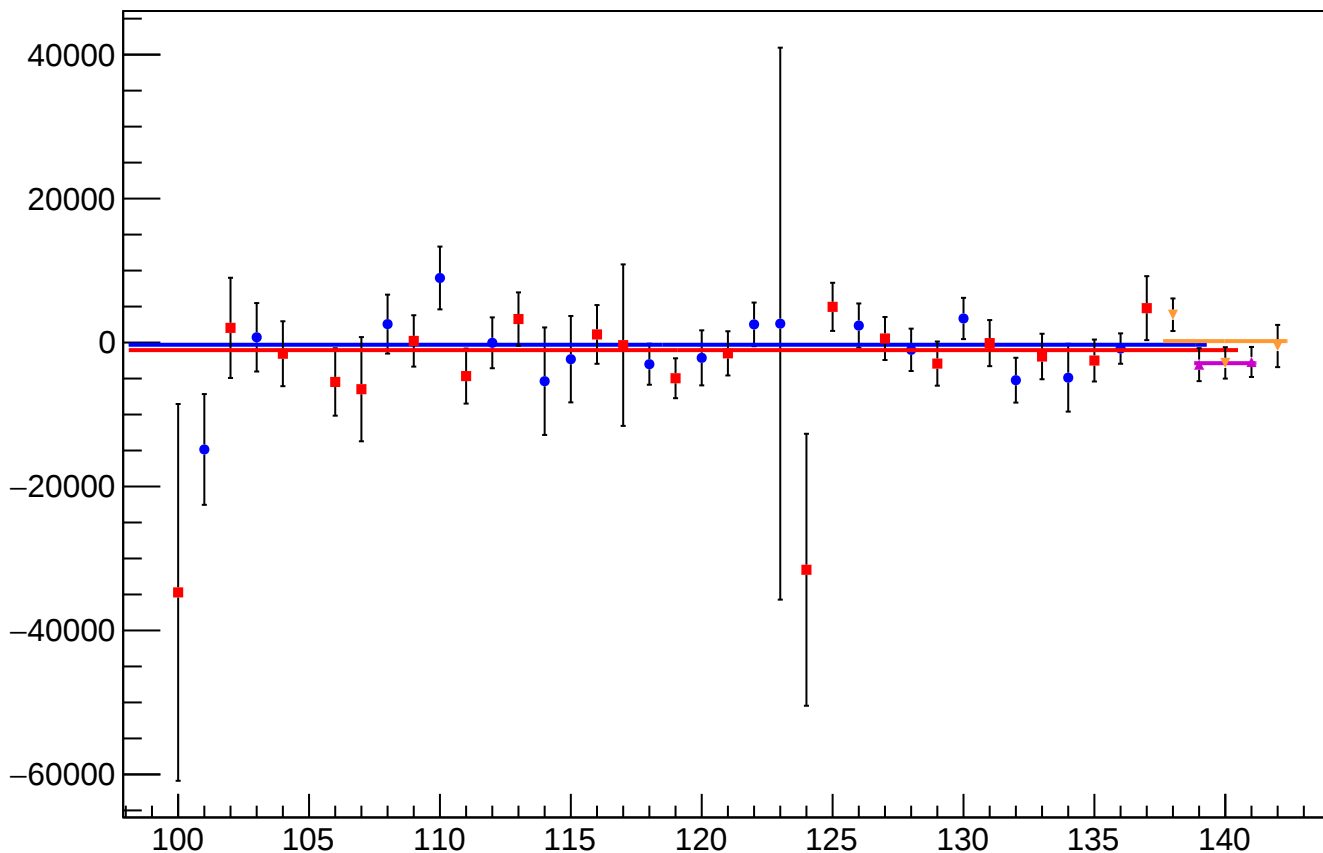
Left In: 440.943 $\pm$ 0.252 χ^2 /NDF: 59166.1/1

537.968 $\pm$ 0.143 χ^2 /NDF: 2828671.8/19

545.890 $\pm$ 0.104 χ^2 /NDF: 6014612.2/41

554.718 $\pm$ 0.151 χ^2 /NDF: 3179416.0/21

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: 200.477 ± 1384.720 χ^2/NDF : 4.6/2

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

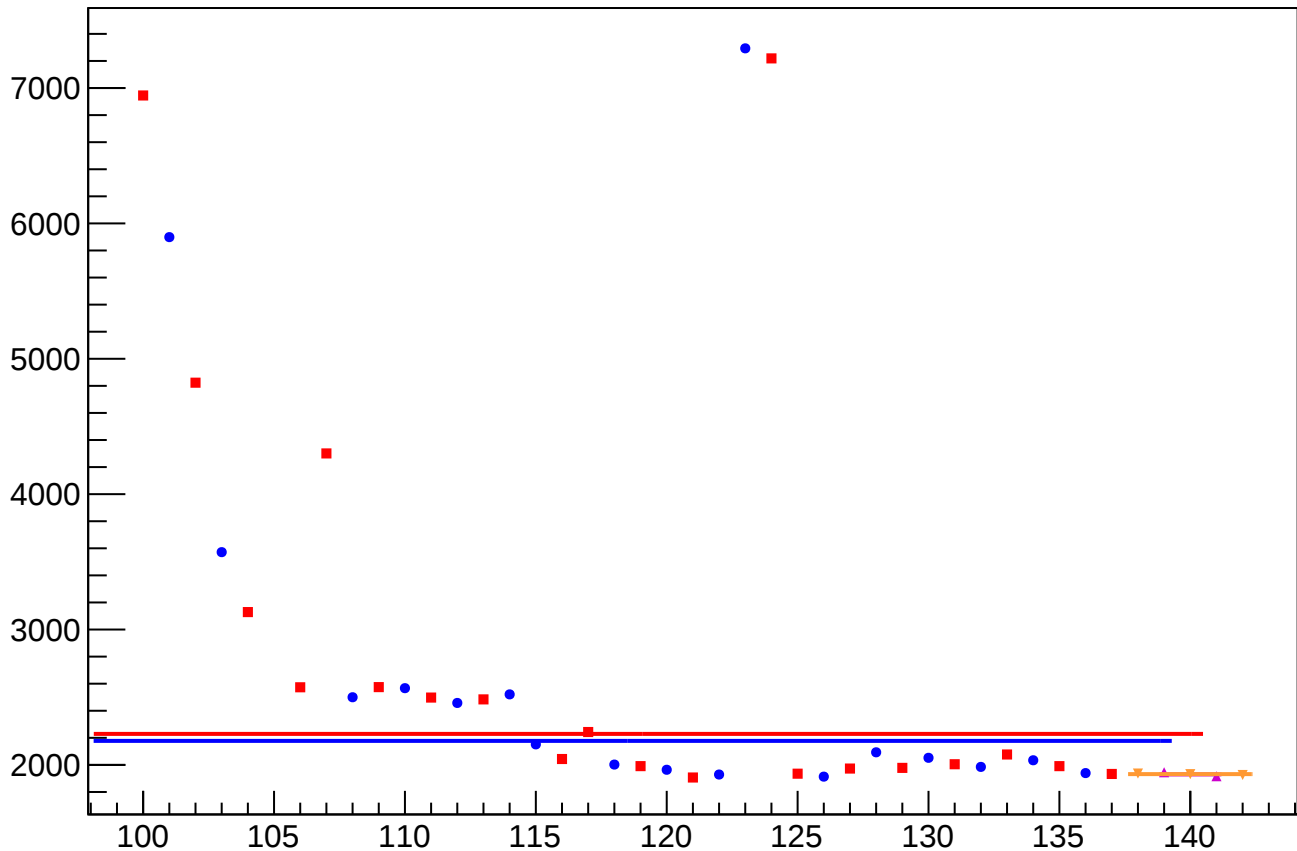
Left In: -2865.936 ± 1541.642 χ^2/NDF : 0.0/1

-161.996 ± 737.834 χ^2/NDF : 21.8/19

-809.788 ± 527.445 χ^2/NDF : 41.1/41

-1486.772 ± 754.276 χ^2/NDF : 17.7/21

asym_at1_dd_rms vs Slug, Sign Corrected



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

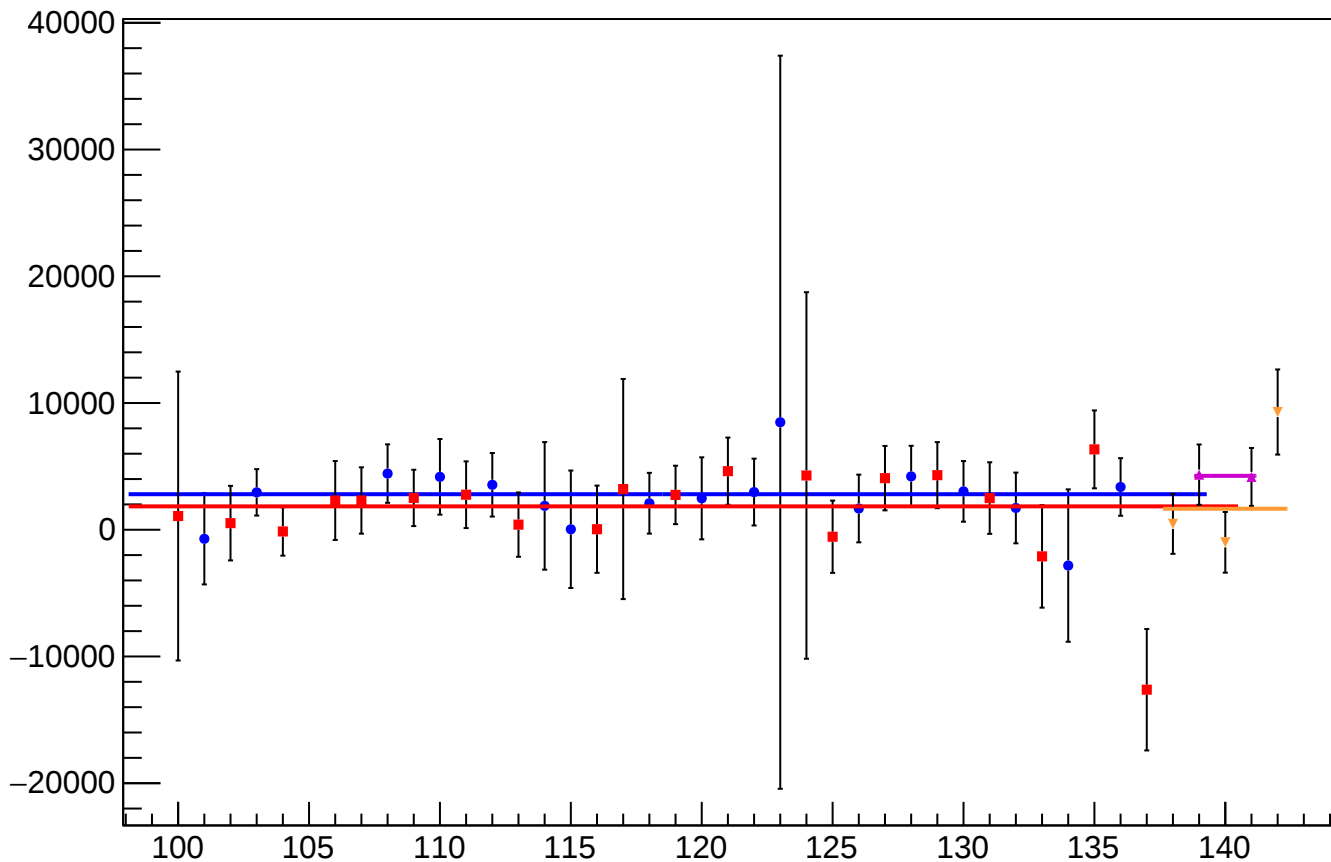
Left In: 1929.704+/-1.090 χ^2/NDF : 178.6/1

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

2132.044+/-0.373 χ^2/NDF : 1805651.1/41

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

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 1657.351 $\pm$ 1503.687 χ^2 /NDF: 6.6/2

Right Out: 1844.945 $\pm$ 653.448 χ^2 /NDF: 18.1/19

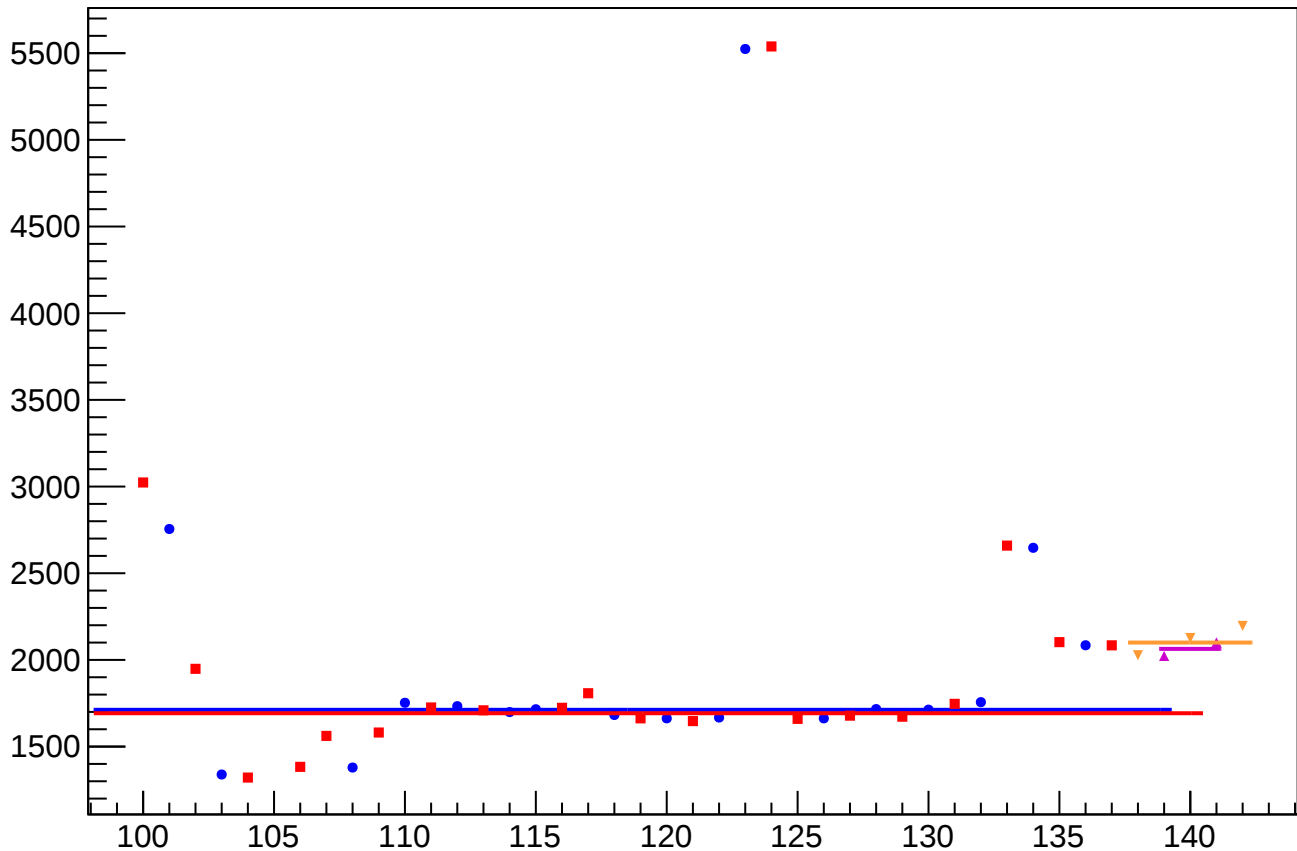
Left In: 4253.344 $\pm$ 1649.119 χ^2 /NDF: 0.0/1

2609.939 $\pm$ 618.492 χ^2 /NDF: 11.0/19

2386.923 $\pm$ 433.400 χ^2 /NDF: 31.2/41

2171.767 $\pm$ 607.496 χ^2 /NDF: 19.9/21

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

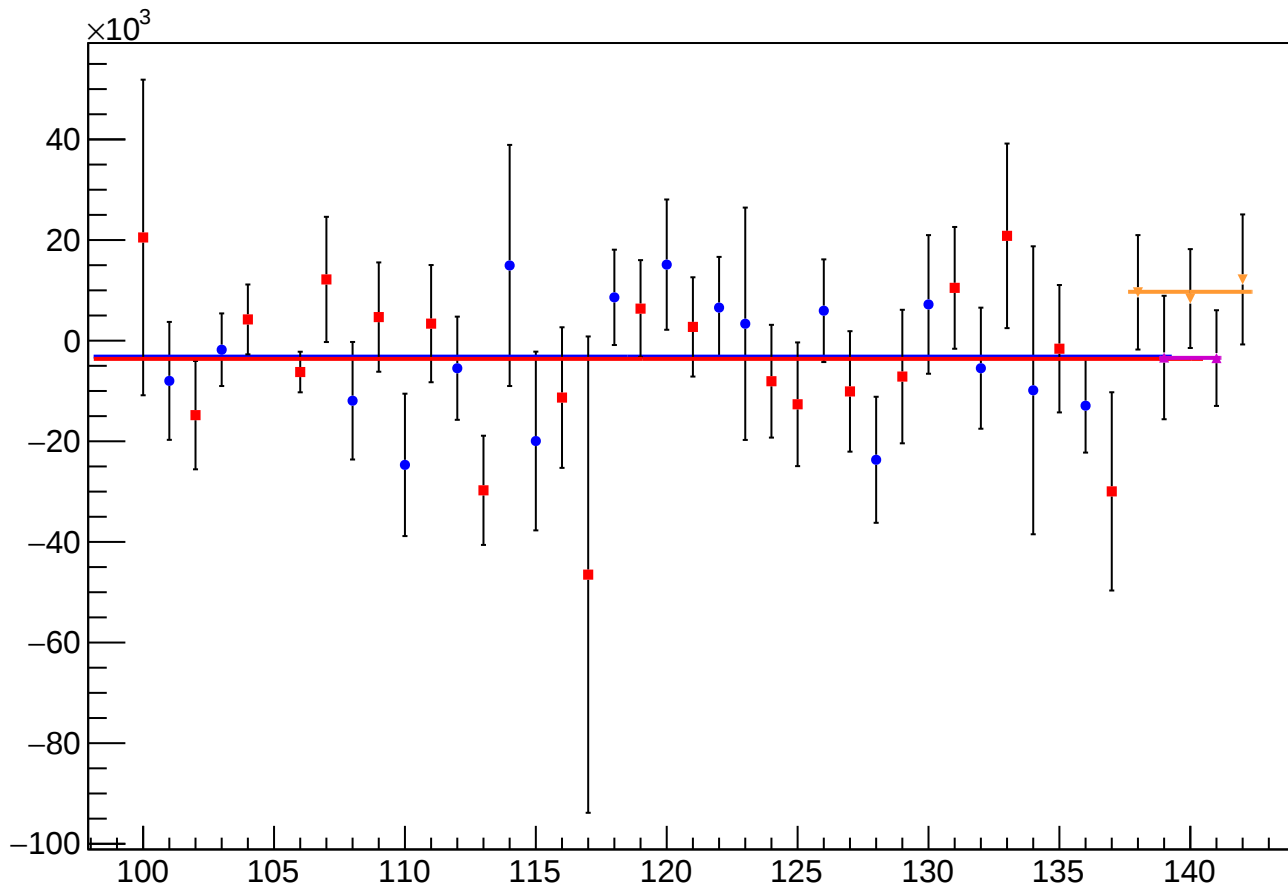
Left In: 2063.714+/-1.166 χ^2/NDF : 1126.0/1

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

1759.974+/-0.306 χ^2/NDF : 1094161.2/41

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

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 9712.663+/-6444.405 χ^2/NDF : 0.1/2

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

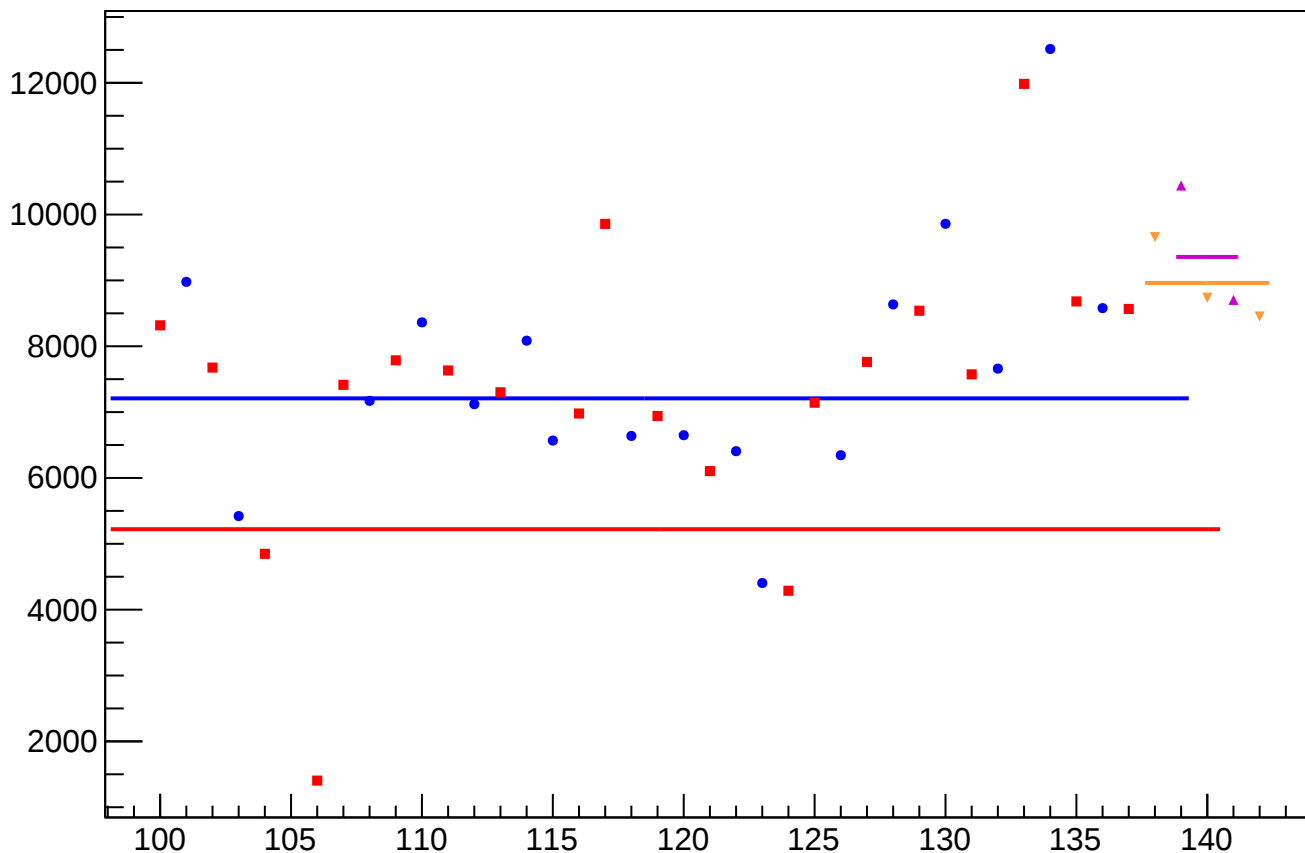
Left In: -3419.605+/-7516.673 χ^2/NDF : 0.0/1

-1062.842+/-2608.003 χ^2/NDF : 17.8/19

-2564.451+/-1667.066 χ^2/NDF : 38.7/41

-3601.881+/-2167.749 χ^2/NDF : 20.3/21

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567 $\pm$ 2.017 χ^2/NDF : 469302.0/16

Left Out: 8961.501 $\pm$ 4.557 χ^2/NDF :11637.0/2

Right Out: 5221.816 $\pm$ 1.601 χ^2/NDF : 3216100.5/19

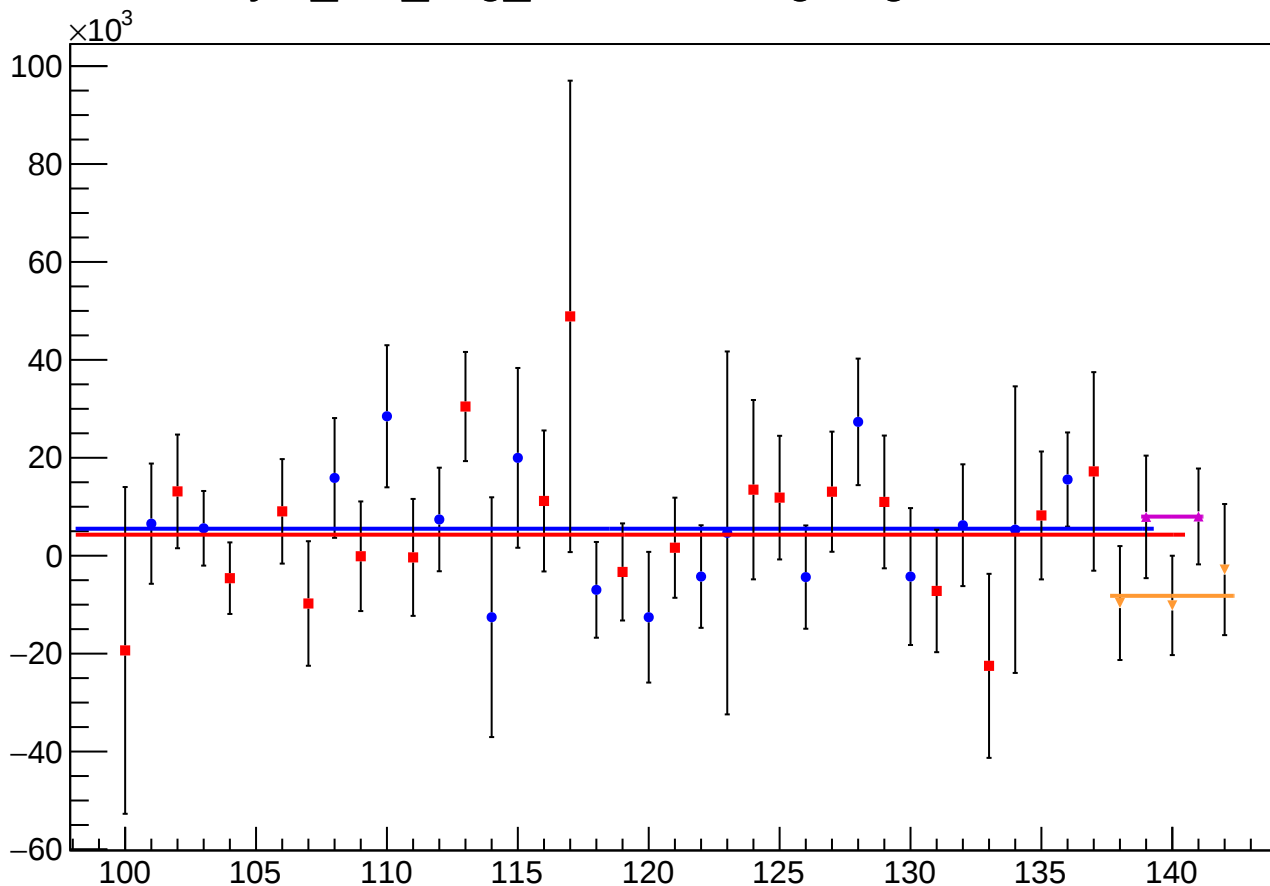
Left In: 9356.231 $\pm$ 5.315 χ^2/NDF :25020.9/1

7495.656 $\pm$ 1.844 χ^2/NDF : 604681.2/19

6354.249 $\pm$ 1.179 χ^2/NDF : 5048300.5/41

5565.675 $\pm$ 1.533 χ^2/NDF : 3795869.3/21

asym_at2_avg_mean vs Slug, Sign Corrected



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

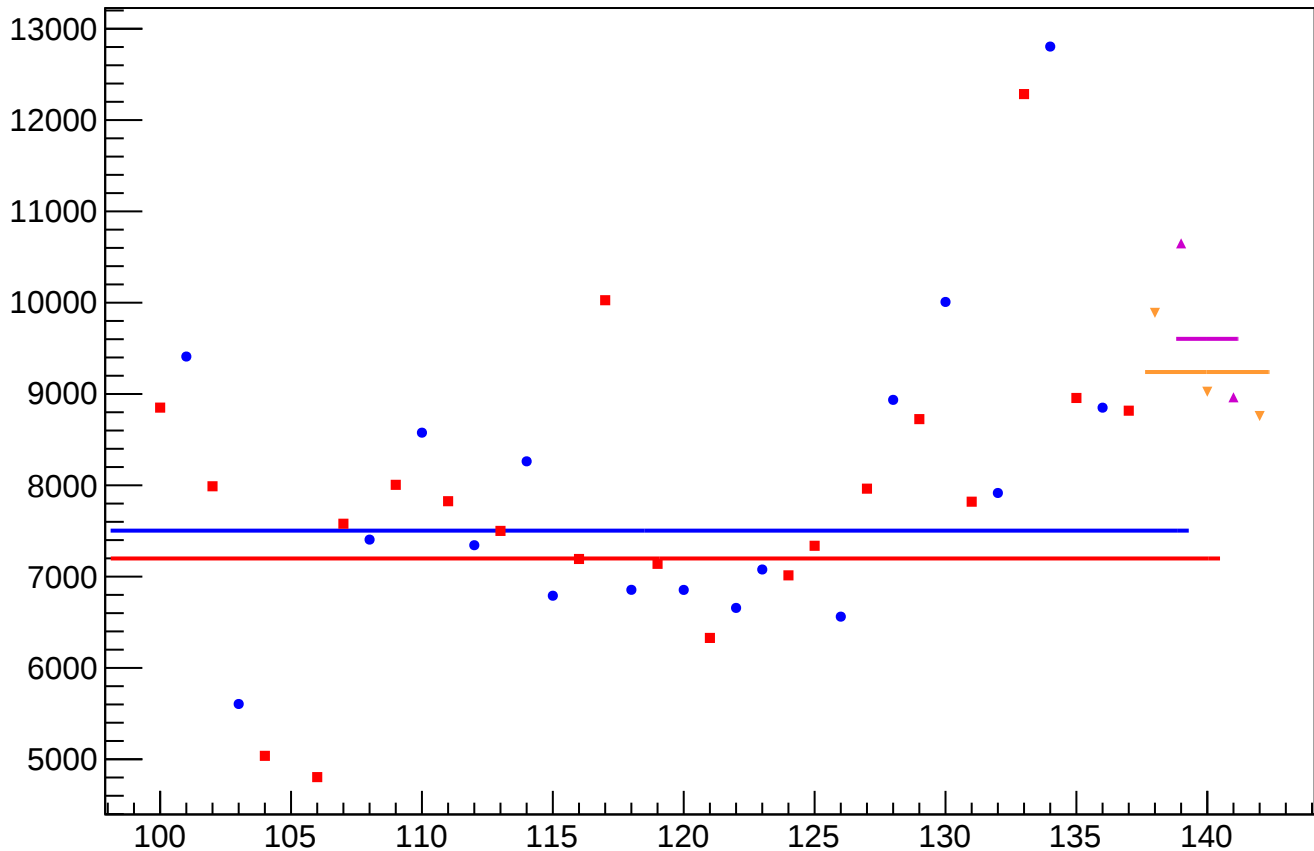
Left In: 7984.966 $\pm$ 7710.694 χ^2 /NDF: 0.0/1

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

3998.644 $\pm$ 1884.230 χ^2 /NDF: 34.5/41

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

asym_at2_avg_rms vs Slug, Sign Corrected



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

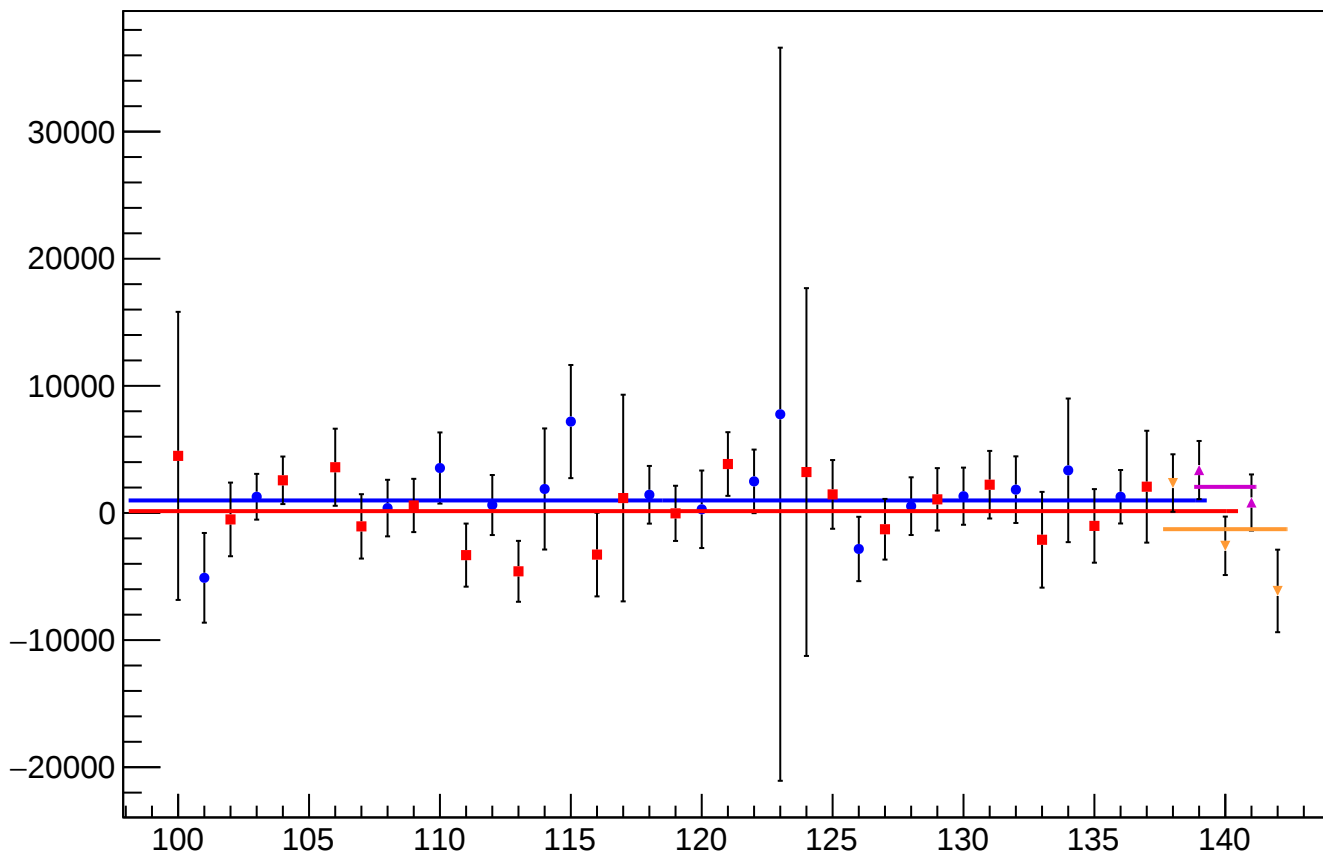
Left In: 9604.044+/-5.452 χ^2/NDF : 22520.3/1

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

7629.372+/-1.332 χ^2/NDF : 1324499.6/41

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

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

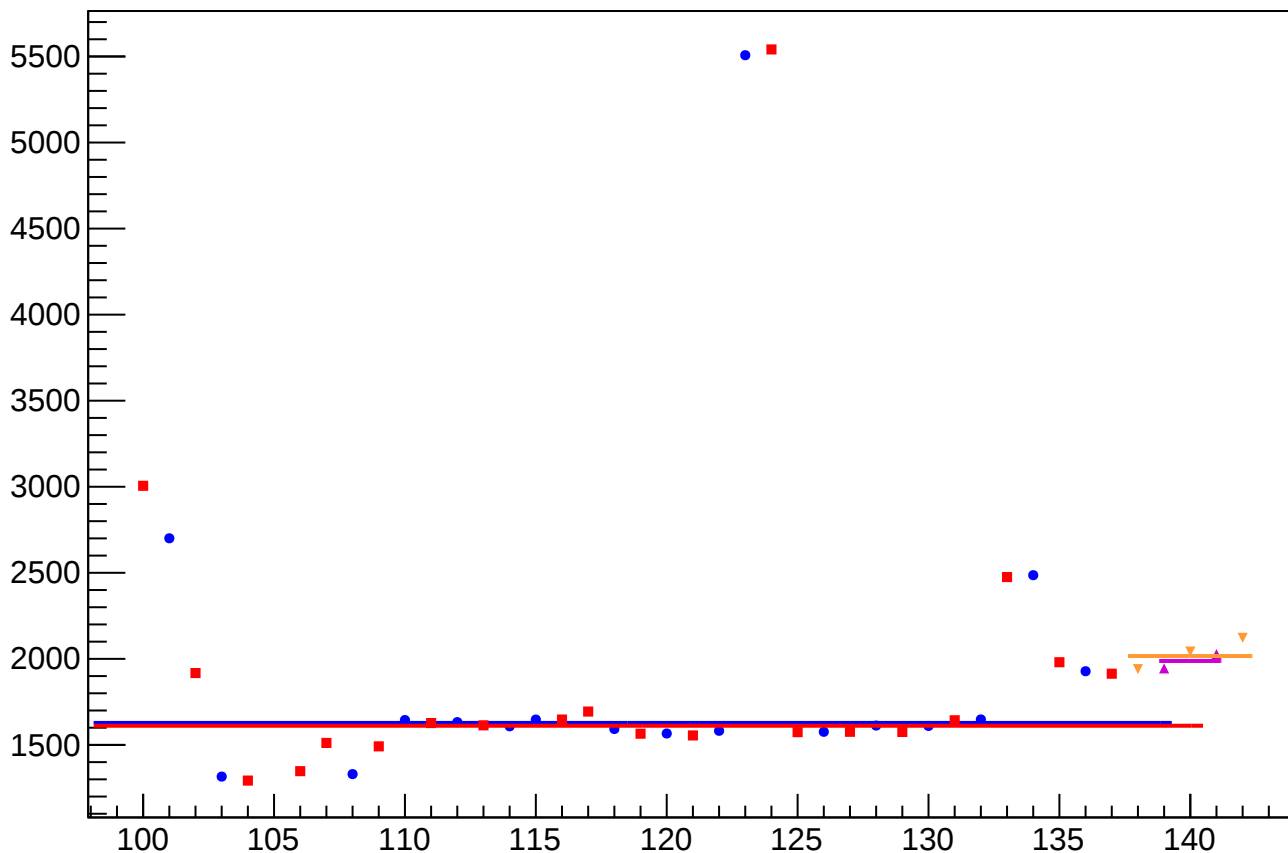
Left In: 2053.576 ± 1588.436 χ^2/NDF : 0.6/1

610.002 ± 588.648 χ^2/NDF : 16.2/19

502.383 ± 412.769 χ^2/NDF : 32.9/41

398.276 ± 578.959 χ^2/NDF : 16.6/21

reg_asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 2016.551 $\pm$ 1.021 χ^2 /NDF:4637.2/2

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

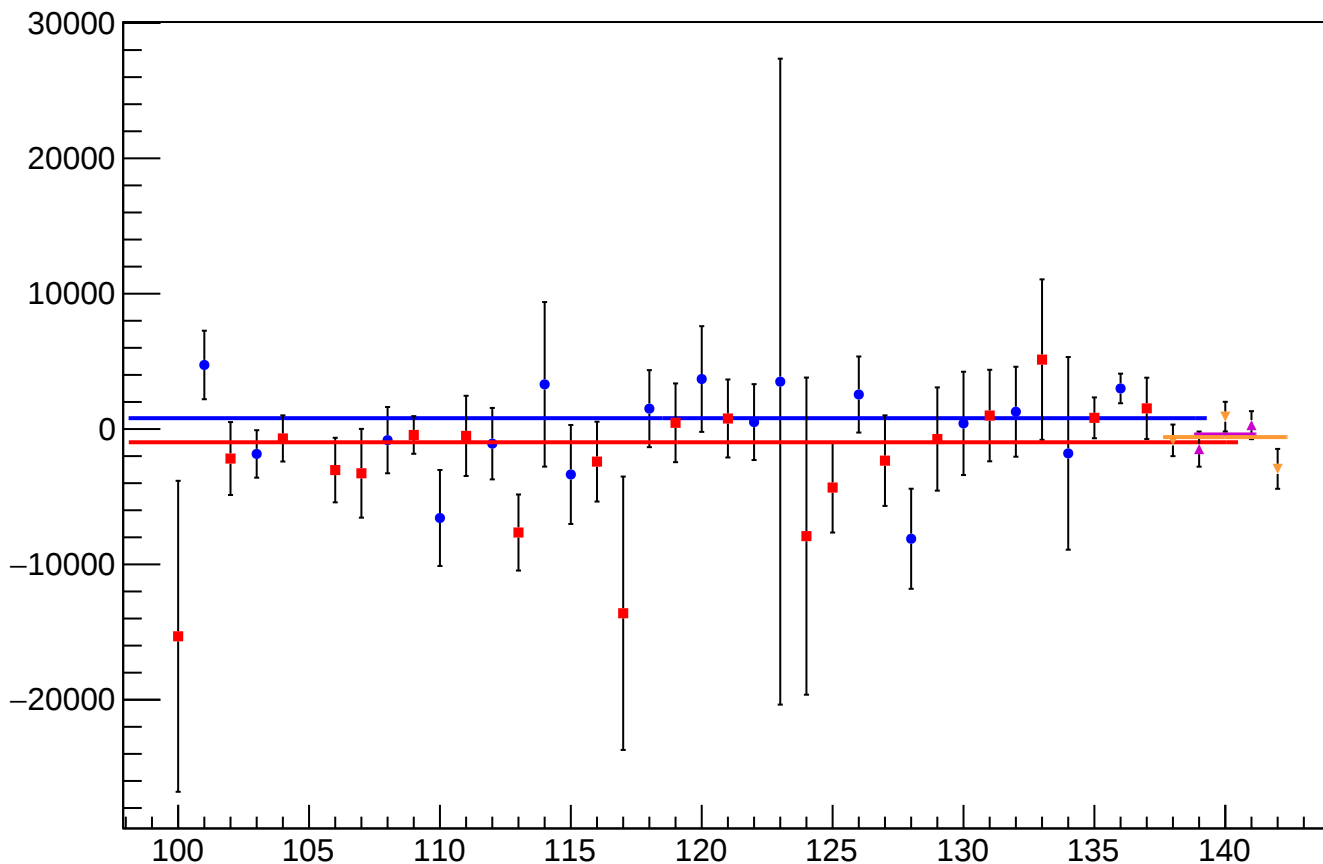
Left In: 1987.763 $\pm$ 1.123 χ^2 /NDF:1376.8/1

1692.420 $\pm$ 0.416 χ^2 /NDF: 532570.1/19

1676.667 $\pm$ 0.292 χ^2 /NDF: 1068279.3/41

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

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048+/-631.676 χ^2/NDF : 22.4/16

Left Out: -594.588+/-702.301 χ^2/NDF : 4.5/2

Right Out: -976.725+/-588.724 χ^2/NDF : 16.8/19

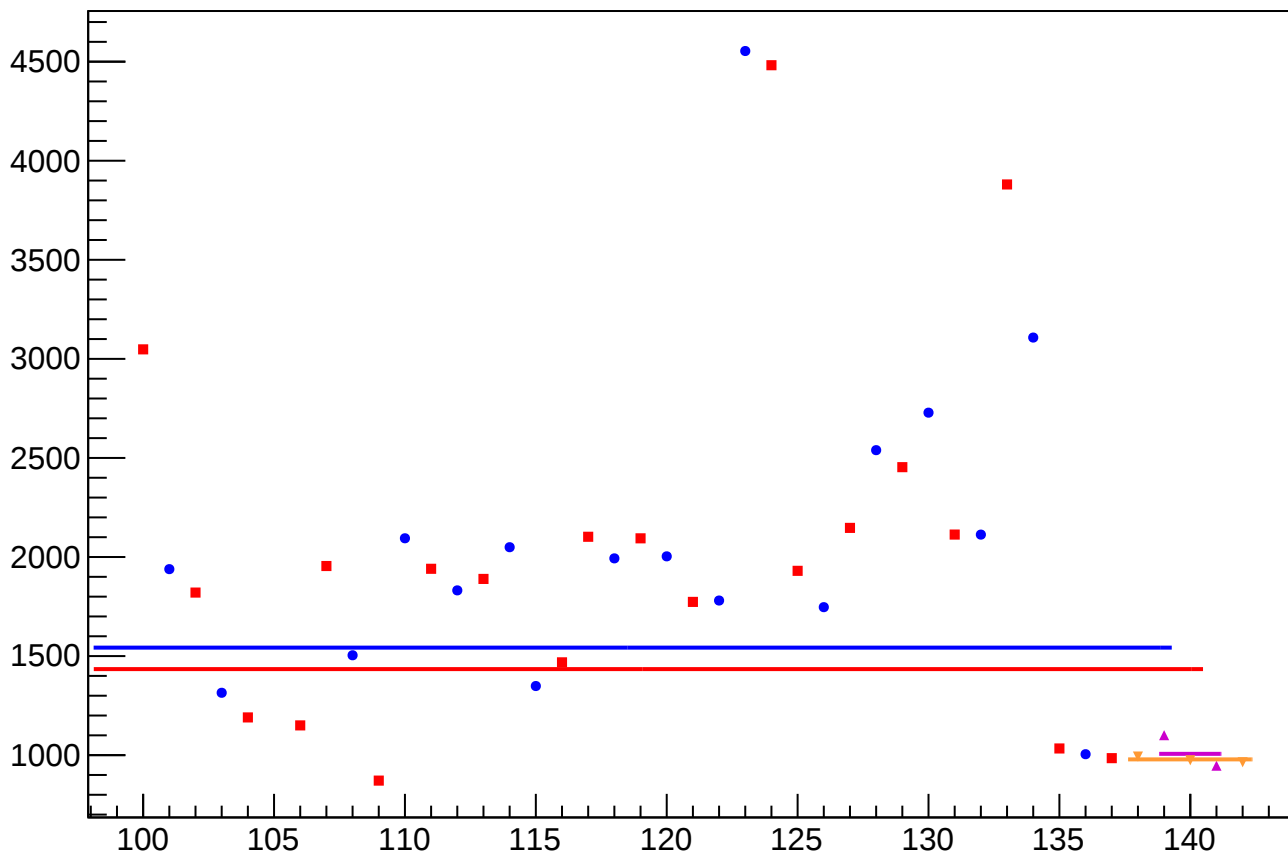
Left In: -400.055+/-808.901 χ^2/NDF : 1.1/1

178.018+/-469.652 χ^2/NDF : 29.1/19

-293.097+/-334.316 χ^2/NDF : 49.4/41

-777.037+/-476.001 χ^2/NDF : 18.3/21

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 978.645+/-0.497 χ^2/NDF : 530.1/2

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

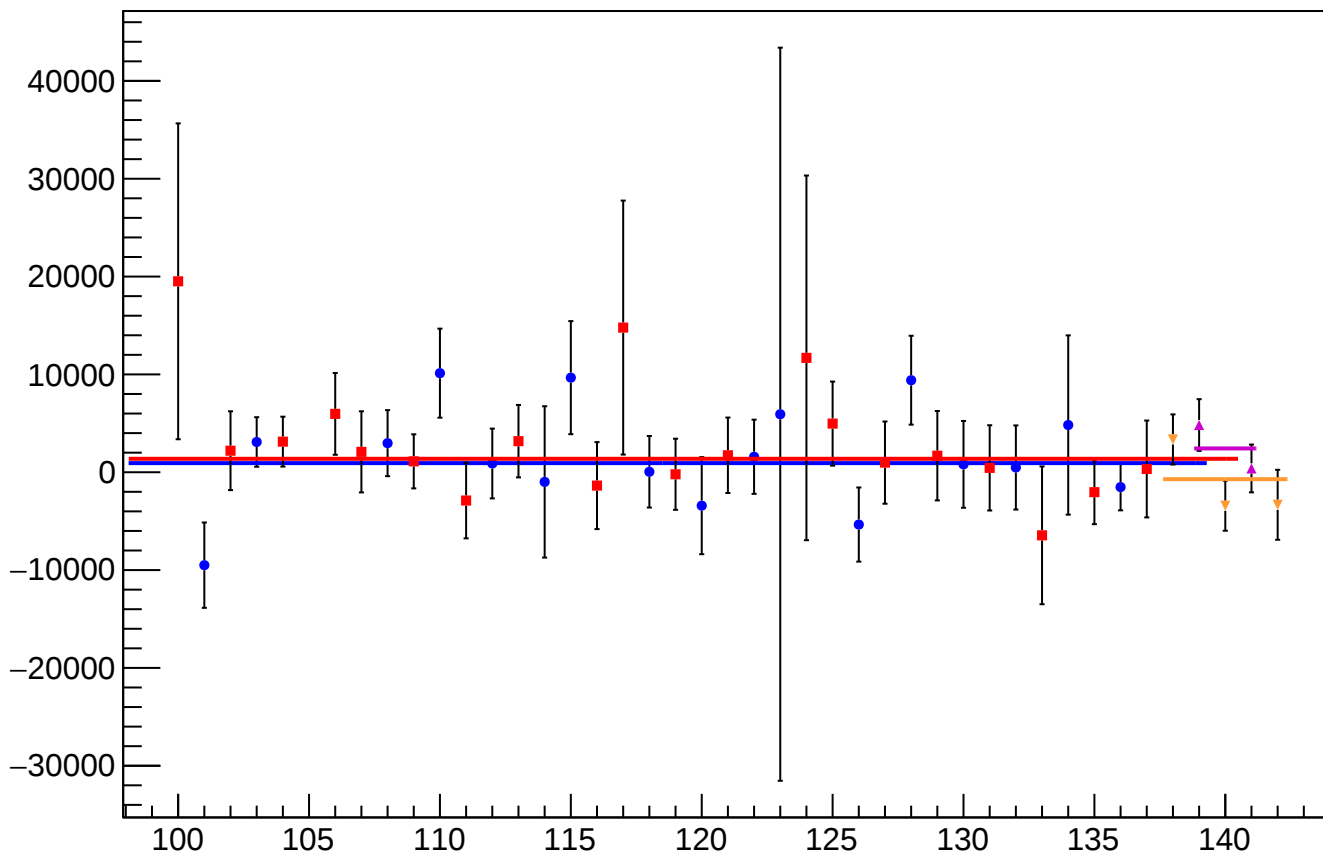
Left In: 1006.636+/-0.572 χ^2/NDF : 17205.3/1

1290.455+/-0.332 χ^2/NDF : 2001655.2/19

1288.357+/-0.236 χ^2/NDF : 4216971.0/41

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

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -707.917+/-1614.137 χ^2/NDF : 4.2/2

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

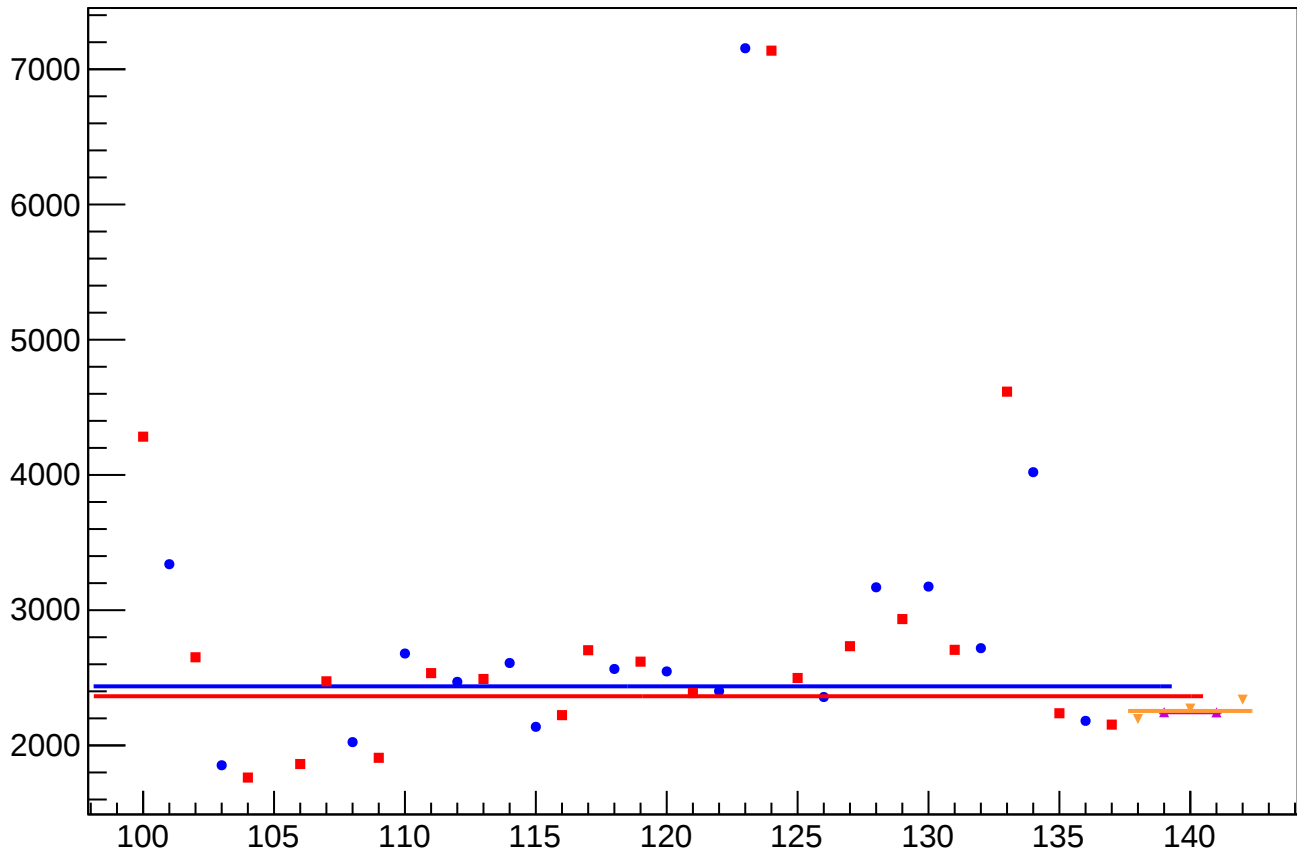
Left In: 2432.385+/-1793.867 χ^2/NDF : 1.5/1

498.863+/-830.125 χ^2/NDF : 26.5/19

1054.211+/-583.656 χ^2/NDF : 38.8/41

1597.128+/-820.781 χ^2/NDF : 11.3/21

asym_at2_dd_rms vs Slug, Sign Corrected



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

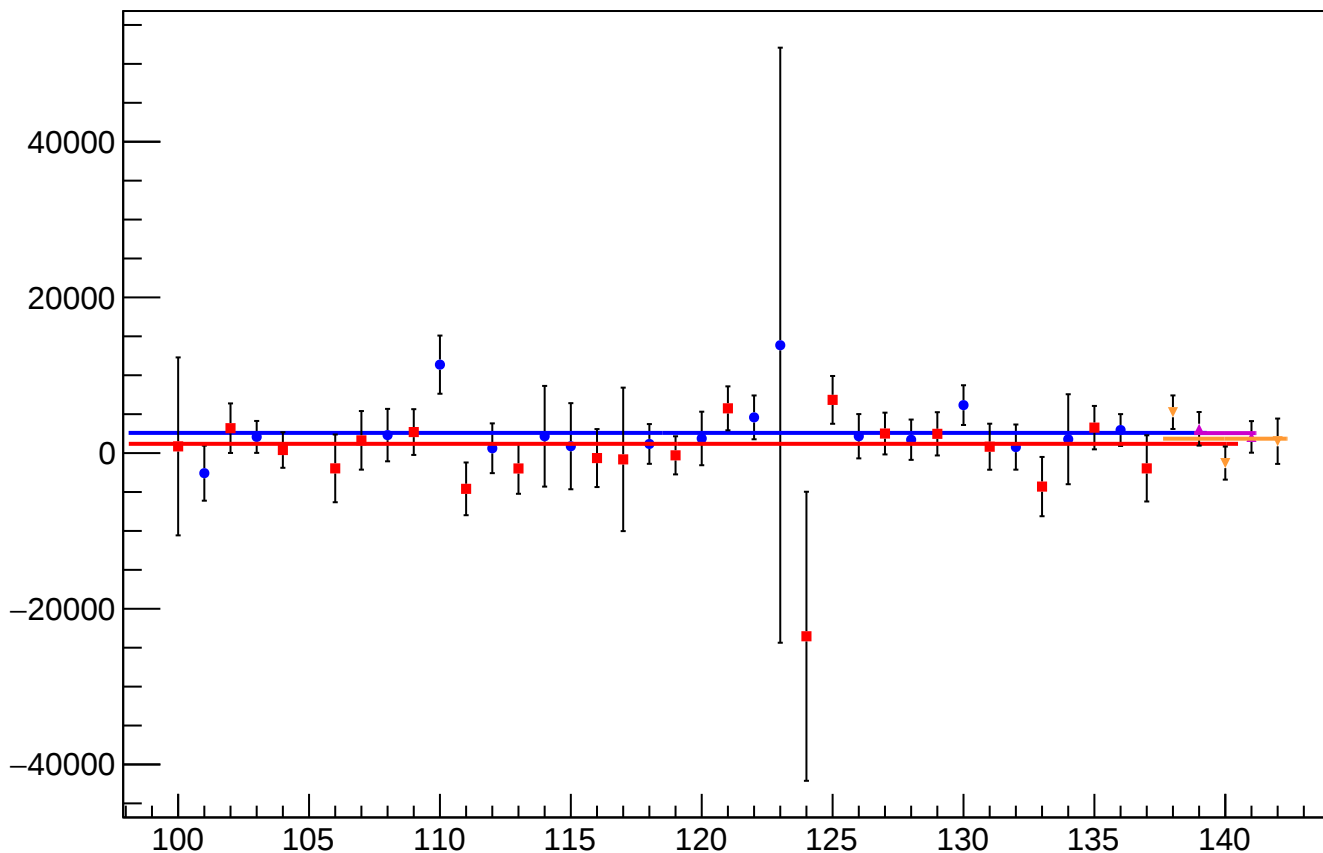
Left In: 2245.048 ± 1.268 χ^2/NDF : 0.2/1

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

2363.473 ± 0.413 χ^2/NDF : 1157804.0/41

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

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1850.066 $\pm$ 1342.755 χ^2 /NDF: 4.7/2

Right Out: 1189.680 $\pm$ 737.247 χ^2 /NDF: 17.3/19

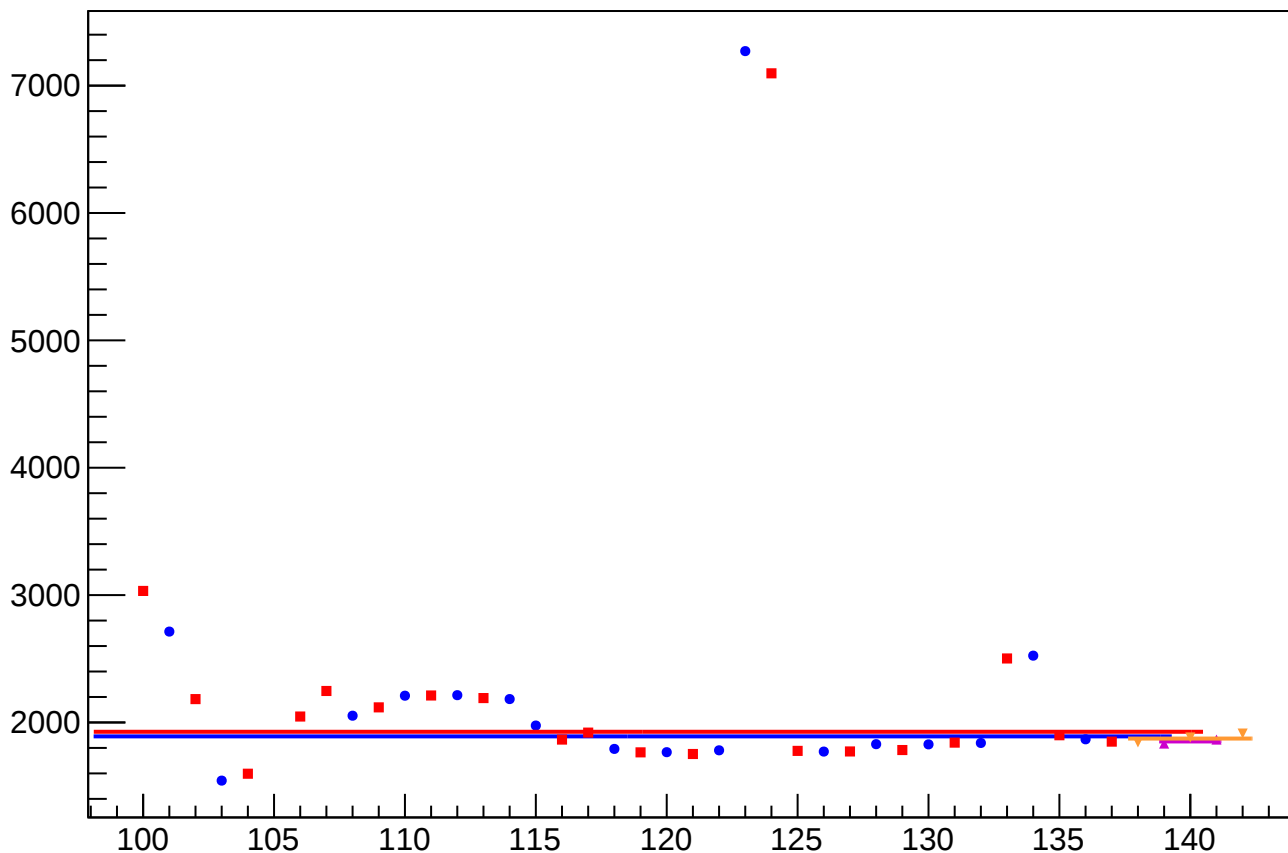
Left In: 2567.547 $\pm$ 1478.896 χ^2 /NDF: 0.1/1

2420.136 $\pm$ 650.110 χ^2 /NDF: 16.6/19

1949.117 $\pm$ 463.087 χ^2 /NDF: 35.7/41

1463.942 $\pm$ 659.806 χ^2 /NDF: 18.1/21

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

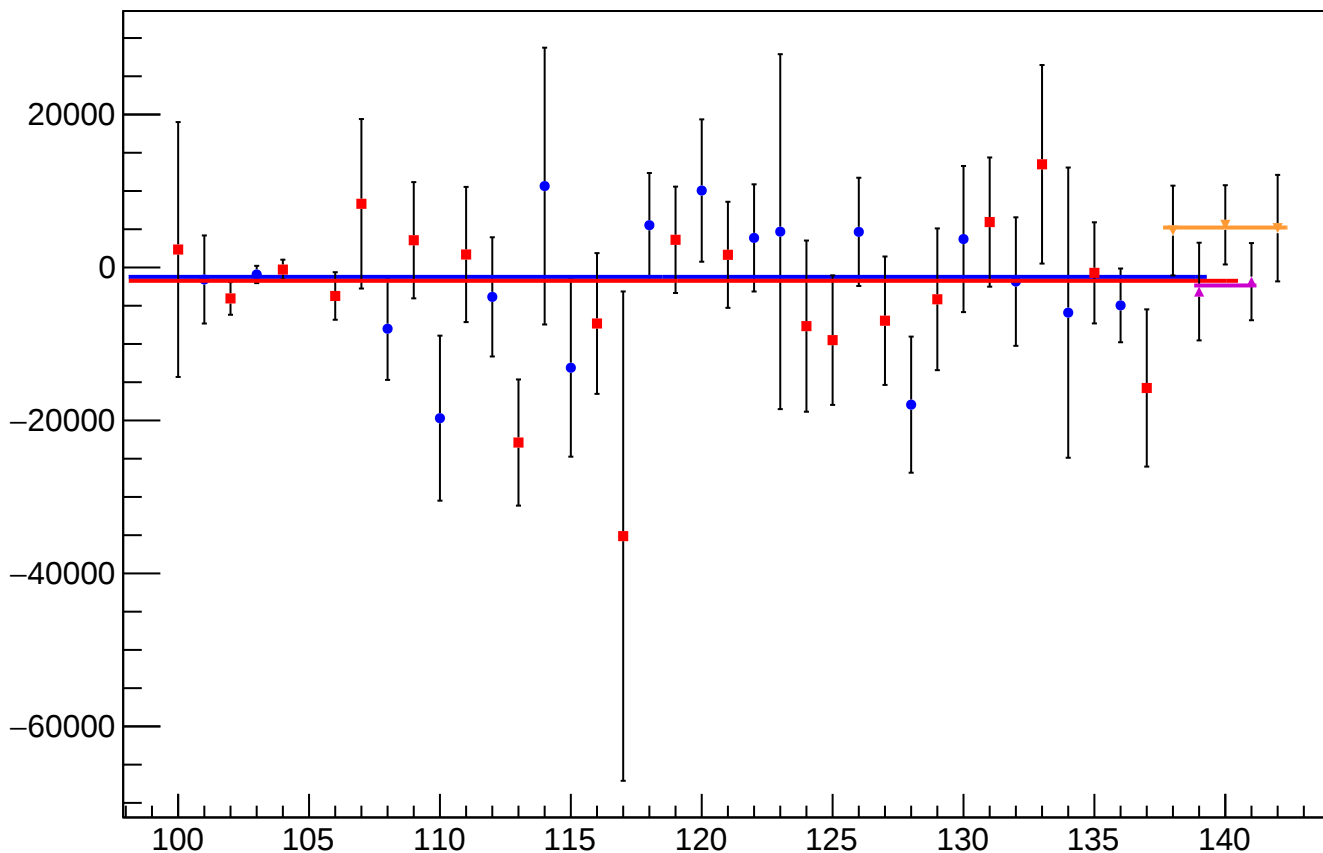
Left In: 1850.949+/-1.046 χ^2/NDF : 223.5/1

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

1899.094+/-0.327 χ^2/NDF : 658165.7/41

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

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



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

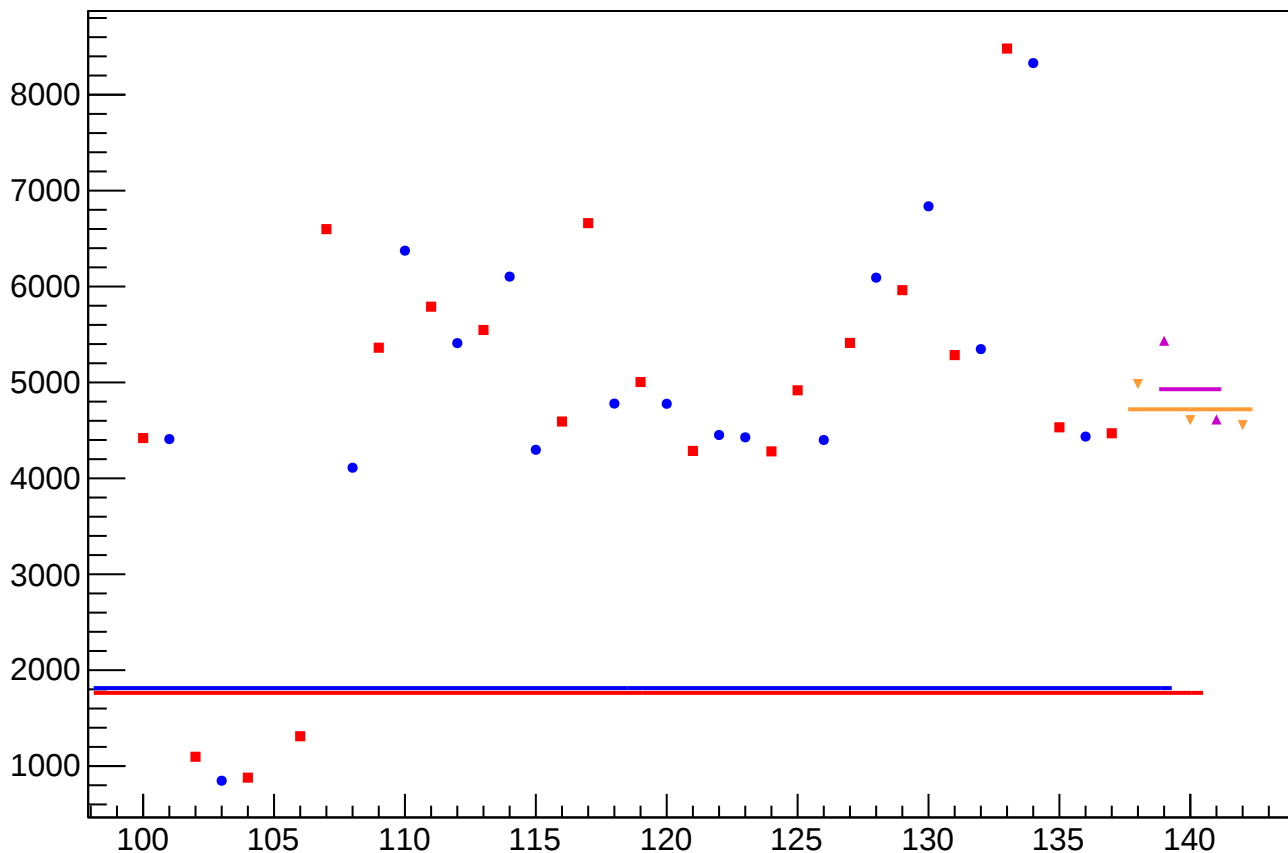
Left In: -2350.642+/-3957.998 χ^2/NDF : 0.0/1

-725.827+/-945.586 χ^2/NDF : 17.2/19

-1266.419+/-657.788 χ^2/NDF : 36.7/41

-1773.315+/-915.642 χ^2/NDF : 18.9/21

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



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

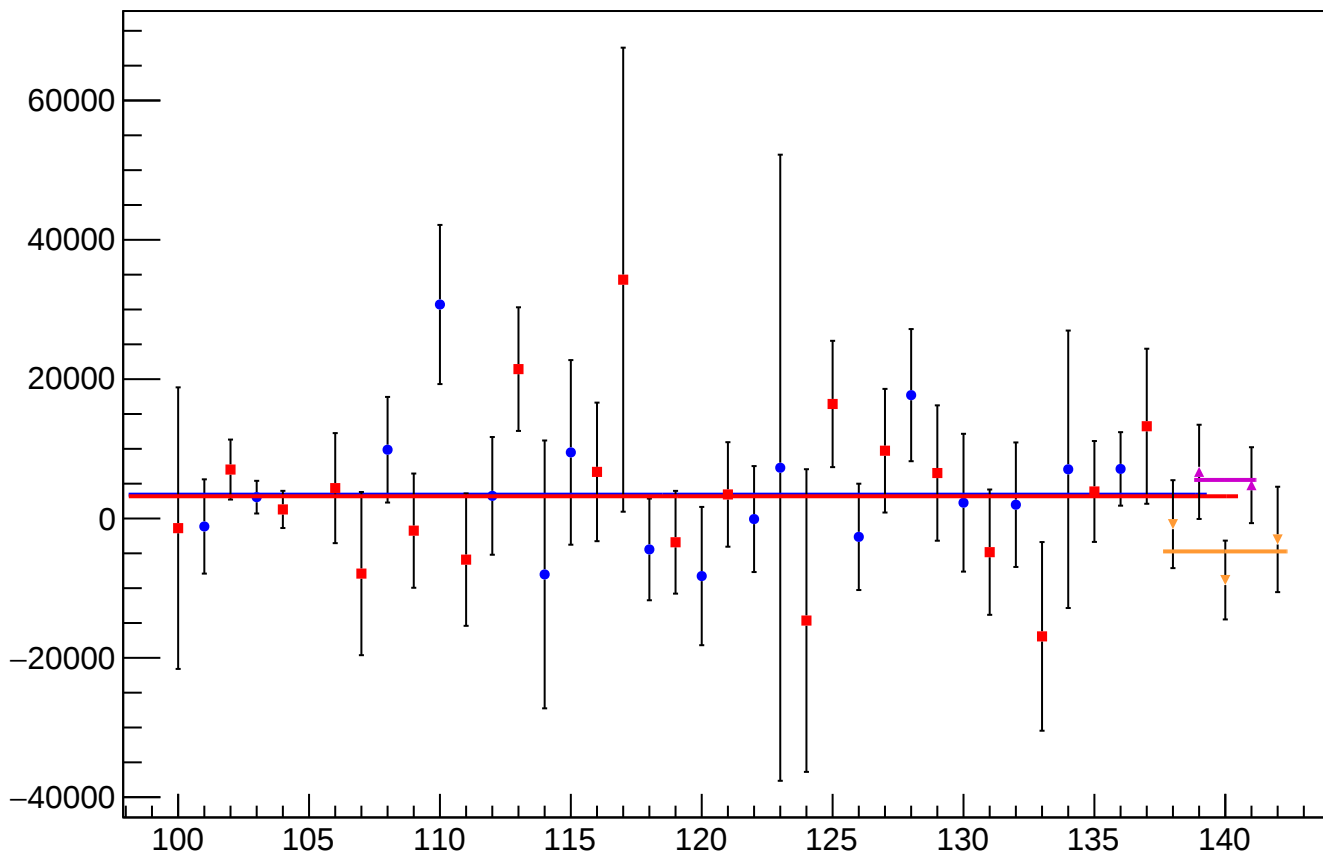
Left In: 4929.336+/-2.799 χ^2/NDF : 20340.9/1

2039.006+/-0.669 χ^2/NDF : 7809271.3/19

1984.202+/-0.465 χ^2/NDF : 15413783.7/4

1932.814+/-0.647 χ^2/NDF : 7591494.8/21

asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

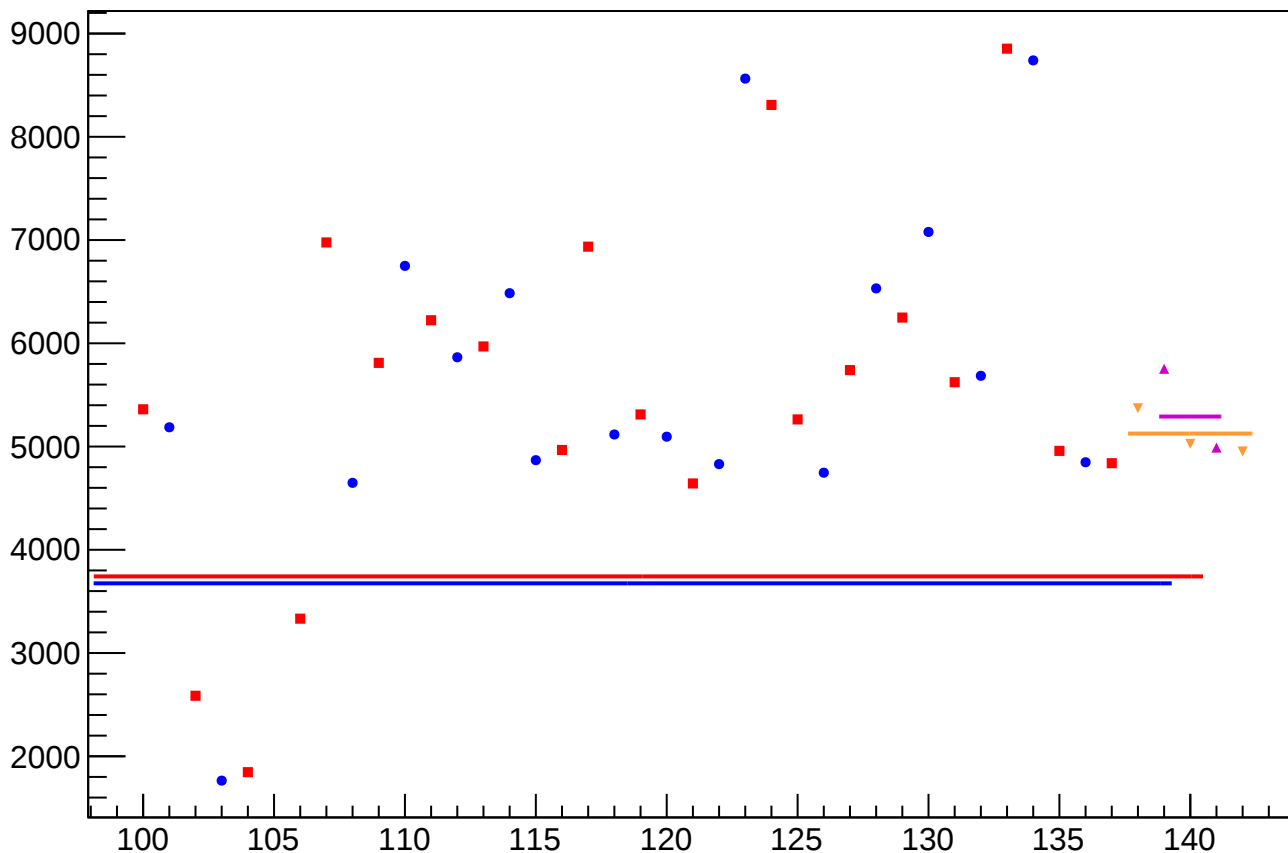
Left In: 5536.594+/-4242.350 χ^2/NDF : 0.0/1

2117.030+/-1472.453 χ^2/NDF : 18.8/19

2787.493+/-1050.921 χ^2/NDF : 36.4/41

3483.644+/-1500.395 χ^2/NDF : 17.2/21

asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

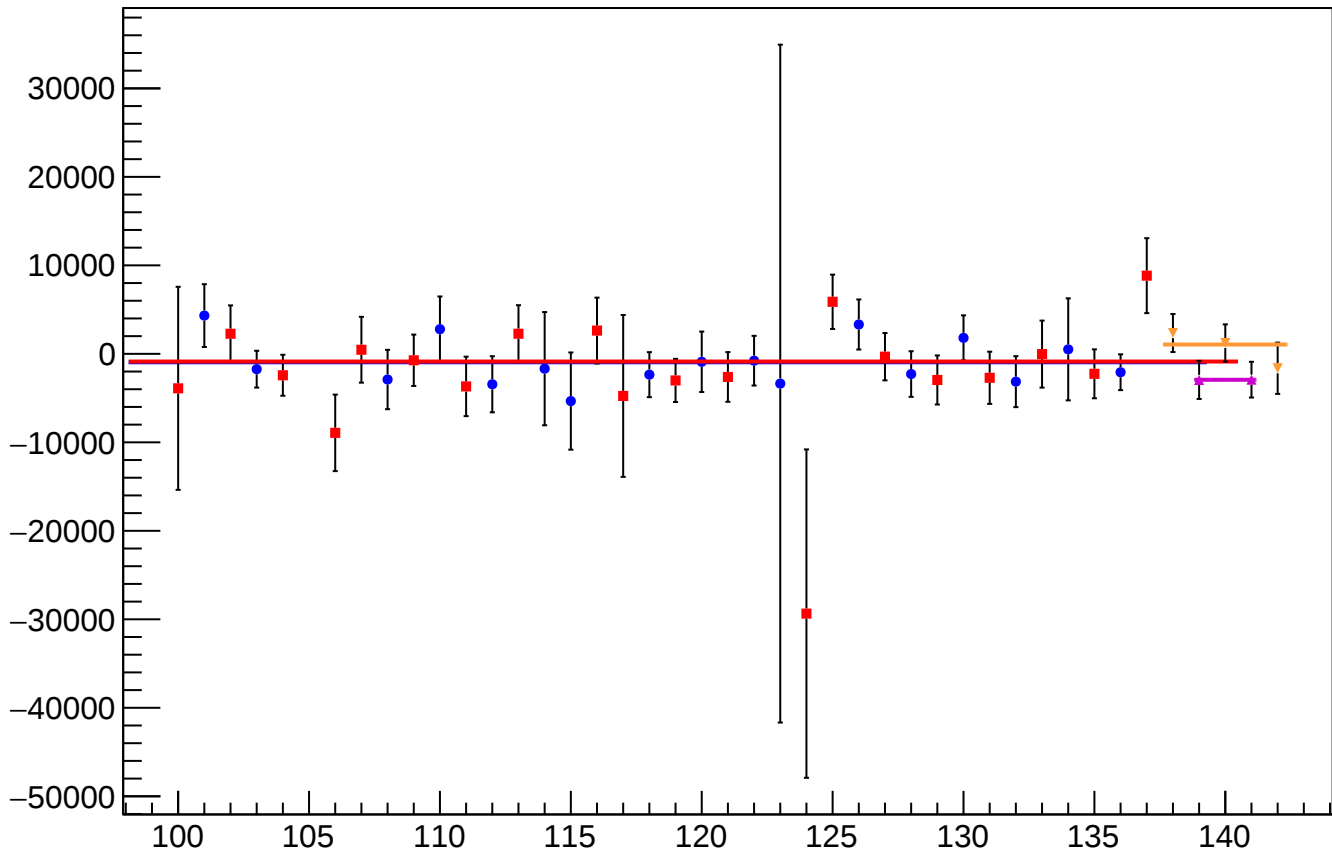
Left In: 5290.497+/-3.000 χ^2/NDF : 15460.2/1

3907.244+/-1.041 χ^2/NDF : 3040777.1/19

3920.230+/-0.741 χ^2/NDF : 6002399.7/41

3933.558+/-1.055 χ^2/NDF : 2961307.4/21

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1054.908+/-1335.289 χ^2/NDF : 1.2/2

Right Out: -868.810+/-735.140 χ^2/NDF : 22.7/19

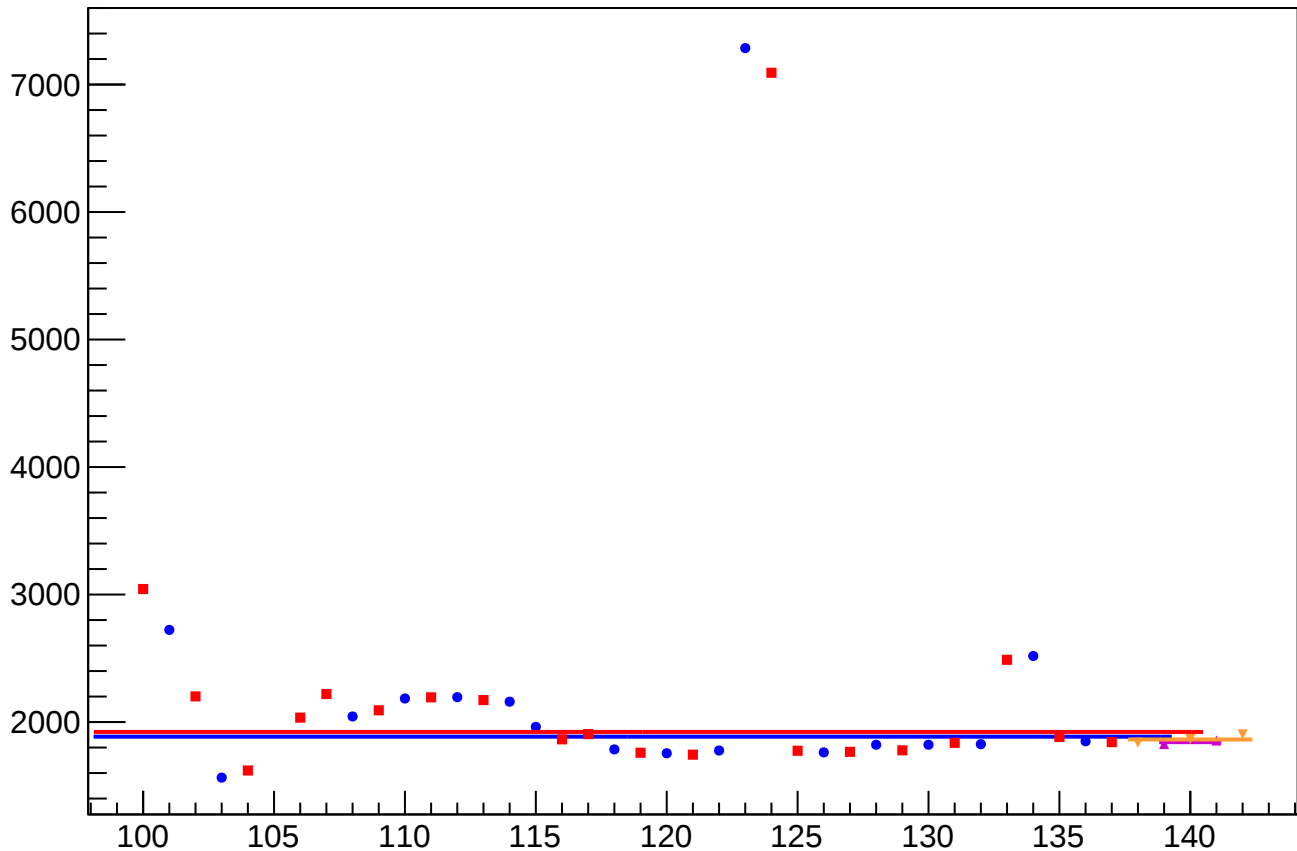
Left In: -2930.762+/-1471.964 χ^2/NDF : 0.0/1

-479.327+/-647.699 χ^2/NDF : 12.9/19

-873.761+/-461.481 χ^2/NDF : 37.9/41

-1280.446+/-657.680 χ^2/NDF : 24.3/21

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

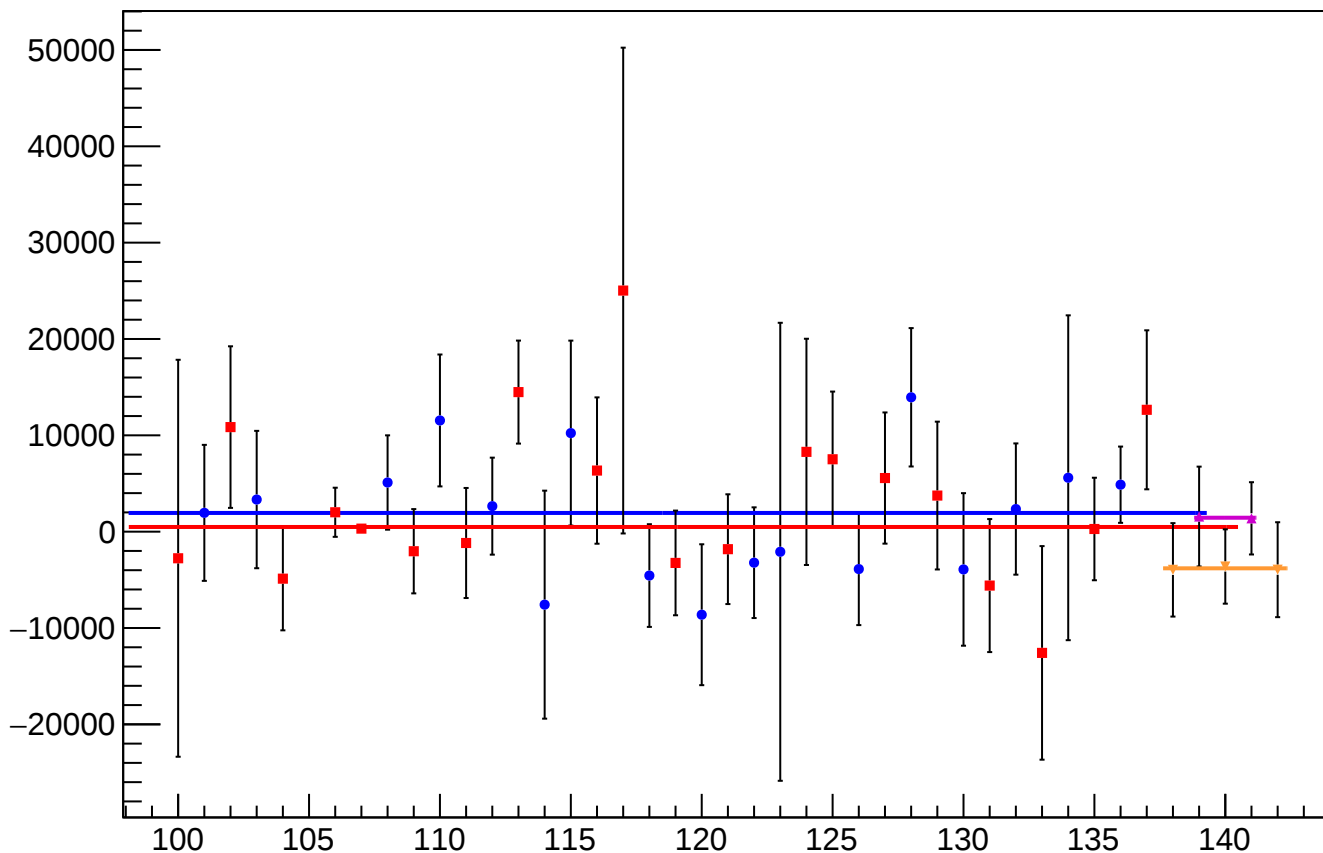
Left In: 1842.328+/-1.041 χ^2/NDF : 174.4/1

1880.129+/-0.458 χ^2/NDF : 281518.6/19

1893.118+/-0.326 χ^2/NDF : 639586.8/41

1906.478+/-0.464 χ^2/NDF : 356436.5/21

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



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

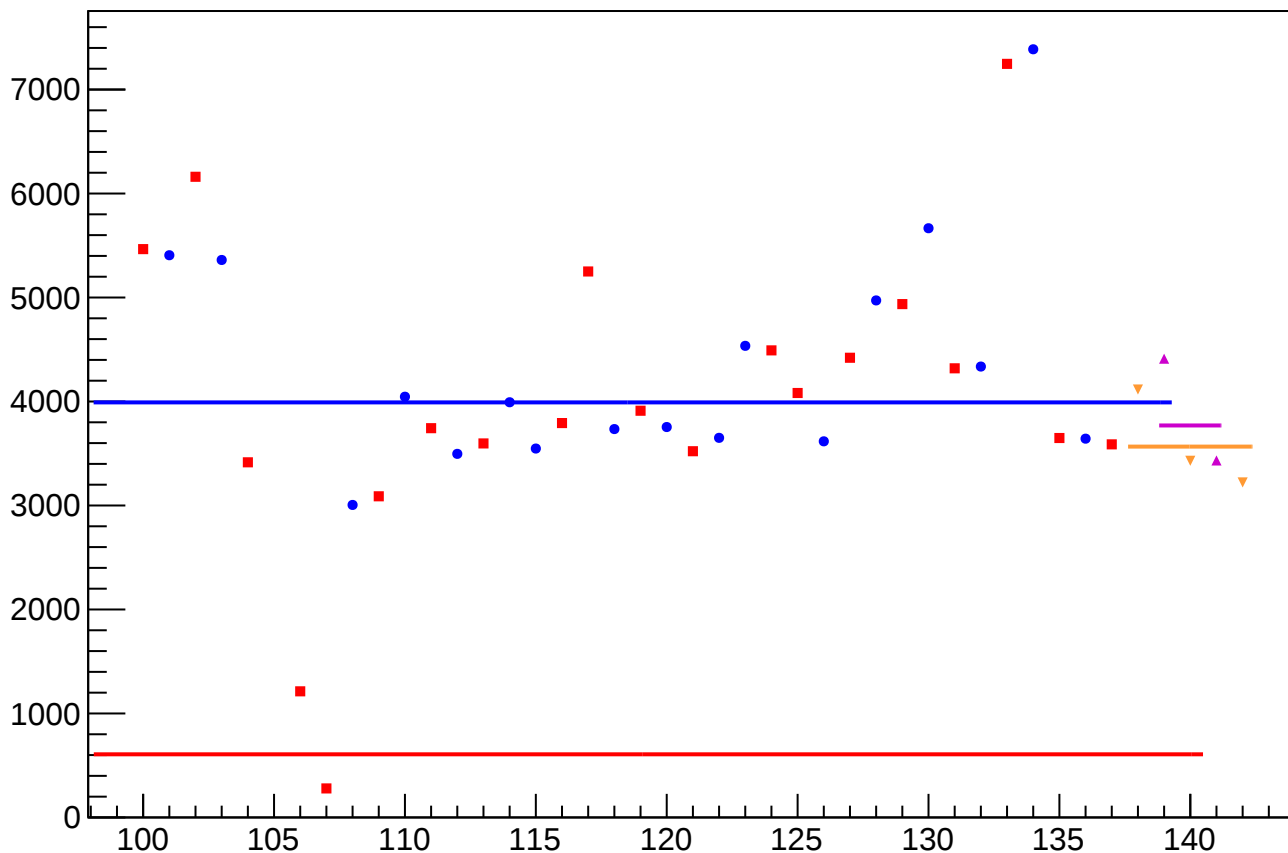
Left In: 1447.301+/-3038.130 χ^2/NDF : 0.0/1

368.591+/-1347.207 χ^2/NDF : 16.8/19

493.831+/-425.656 χ^2/NDF : 35.9/41

507.720+/-448.638 χ^2/NDF : 19.1/21

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



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

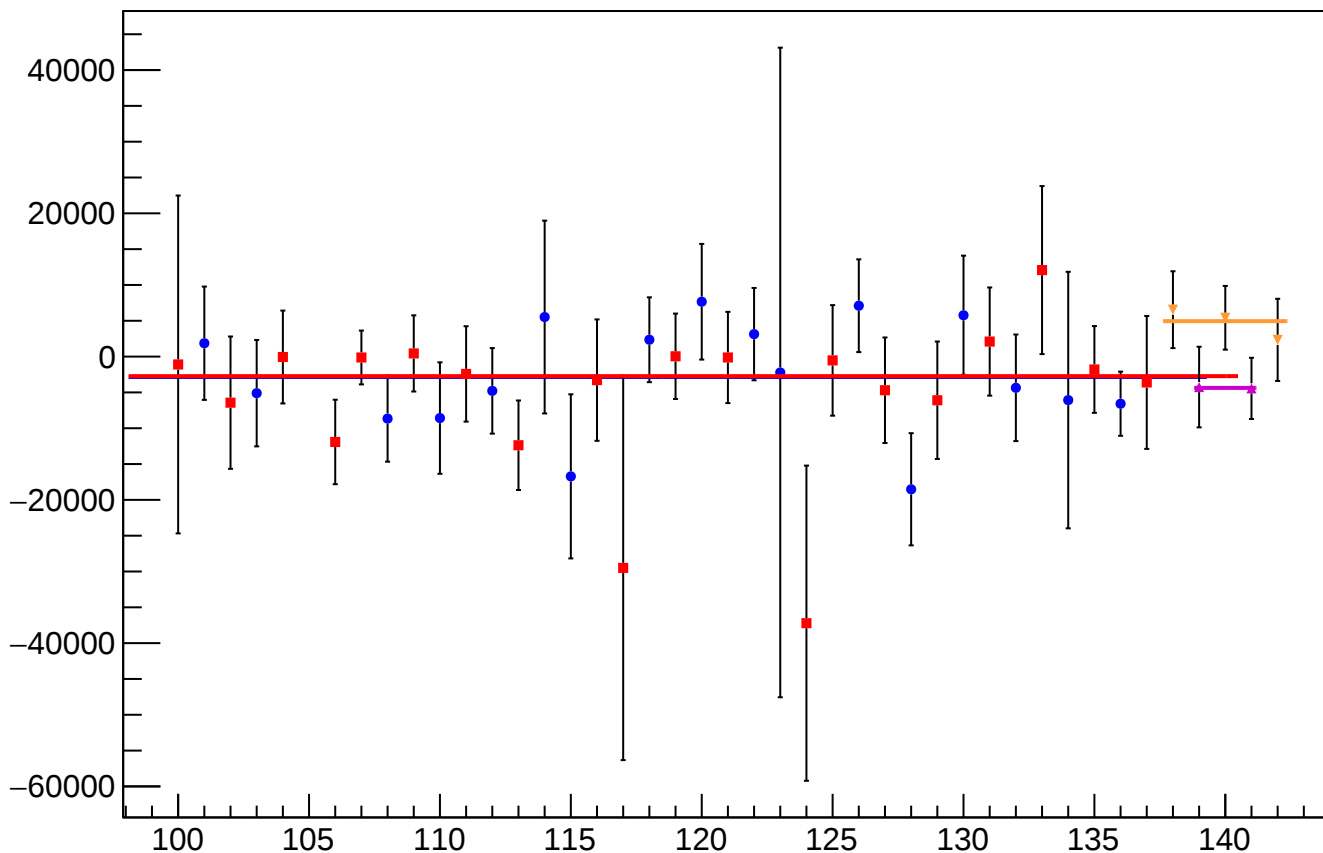
Left In: 3769.592 $\pm$ 2.148 χ^2 /NDF: 46827.1/1

3874.966 $\pm$ 0.953 χ^2 /NDF: 588291.6/19

995.518 $\pm$ 0.301 χ^2 /NDF: 23218925.9/41

676.193 $\pm$ 0.317 χ^2 /NDF: 12480916.8/21

asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

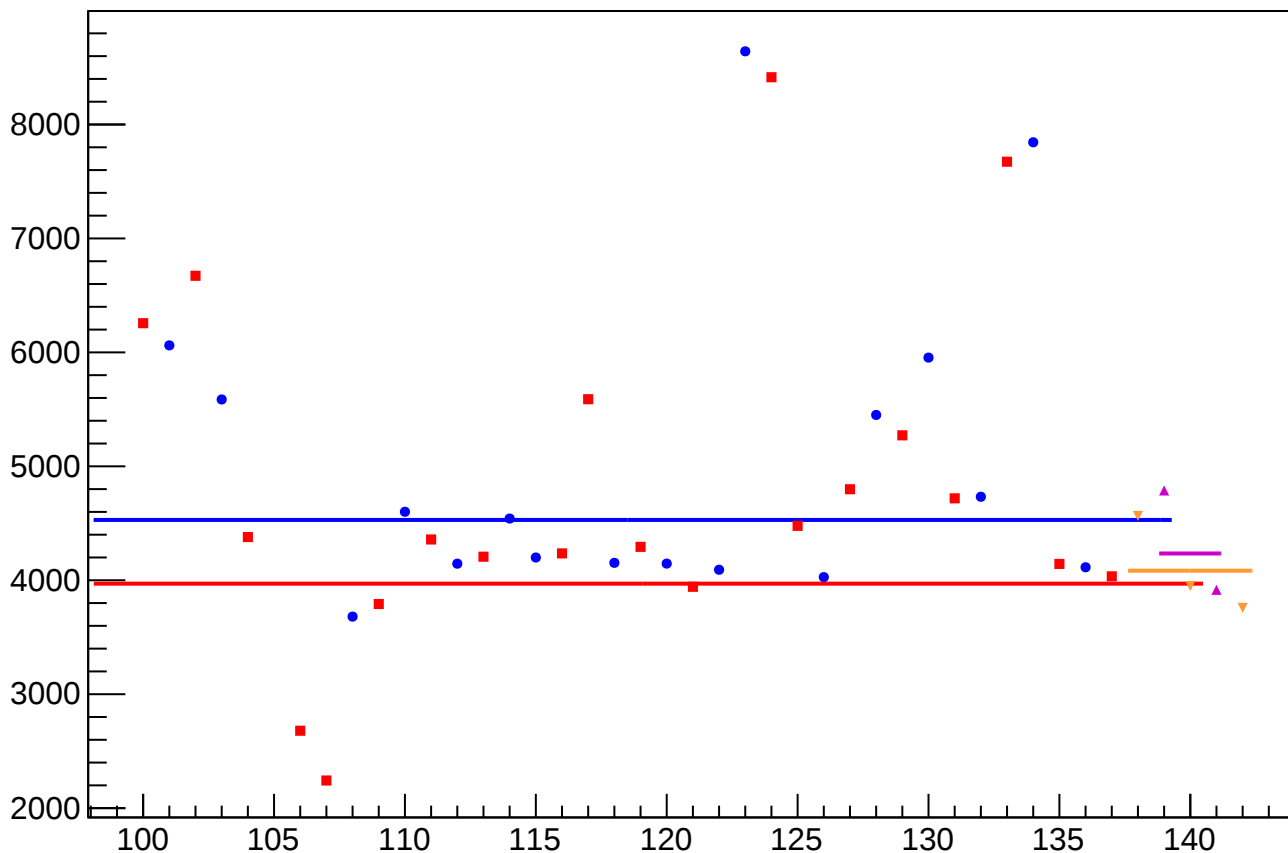
Left In: -4369.210+/-3402.109 χ^2/NDF : 0.0/1

-739.529+/-1526.317 χ^2/NDF : 20.9/19

-1955.021+/-1042.511 χ^2/NDF : 34.4/41

-3017.957+/-1427.323 χ^2/NDF : 12.4/21

asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

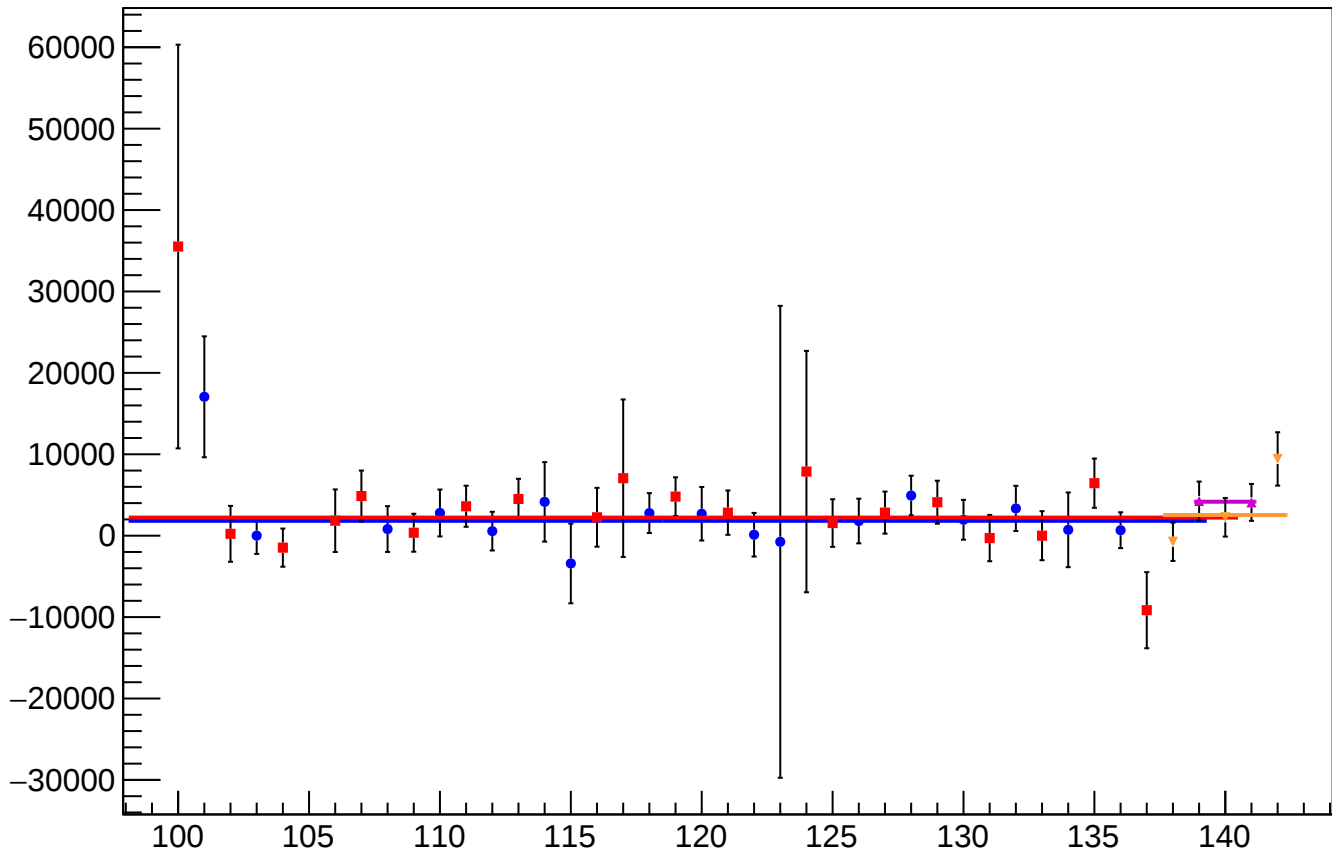
Left In: 4235.110+/-2.406 χ^2/NDF : 30474.1/1

4409.334+/-1.079 χ^2/NDF : 447267.3/19

4198.709+/-0.735 χ^2/NDF : 1706499.0/41

4016.451+/-1.004 χ^2/NDF : 1188190.1/21

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 2537.252 $\pm$ 1488.401 χ^2 /NDF:6.4/2

Right Out: 2222.274 $\pm$ 682.500 χ^2 /NDF: 18.6/19

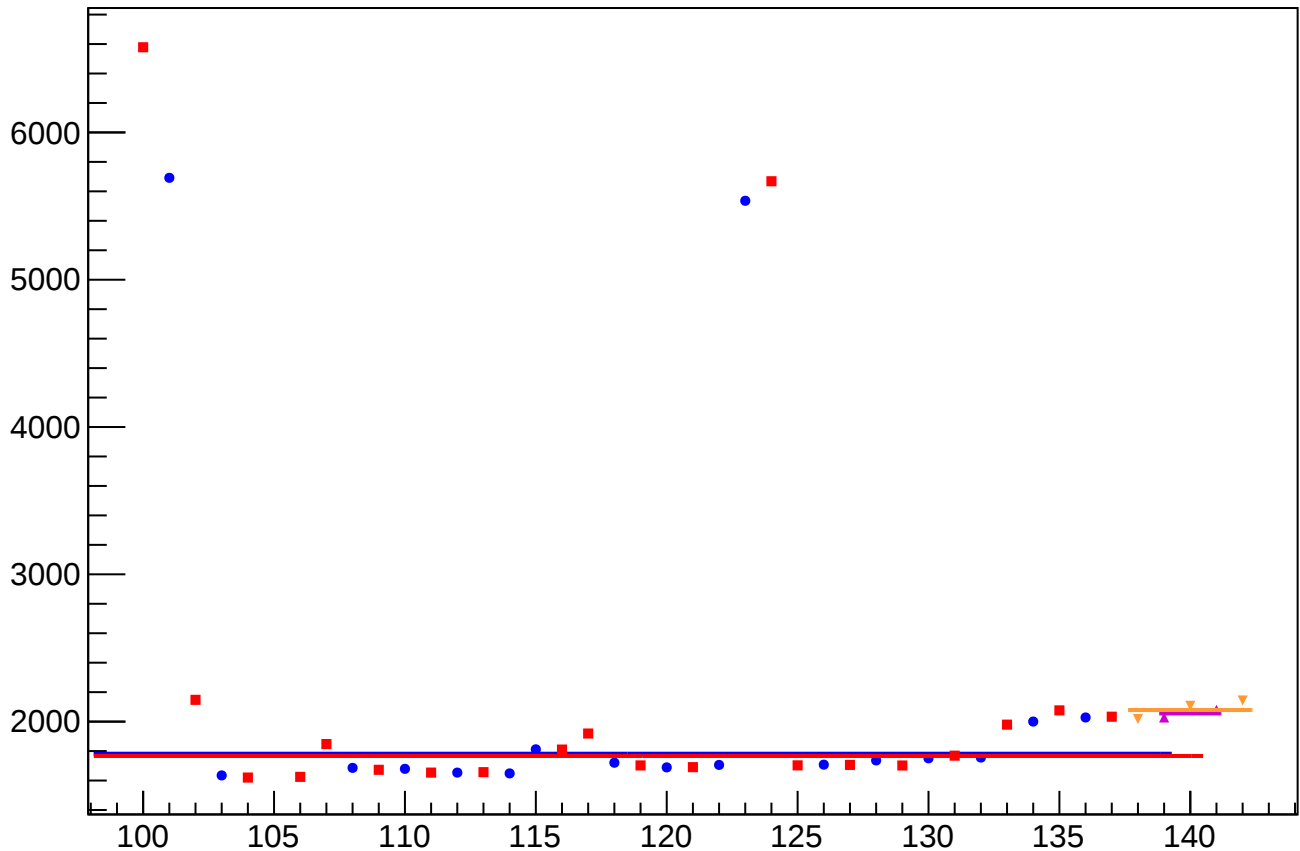
Left In: 4172.953 $\pm$ 1642.171 χ^2 /NDF:0.0/1

1961.587 $\pm$ 641.805 χ^2 /NDF: 16.2/19

2240.571 $\pm$ 449.679 χ^2 /NDF: 36.4/41

2509.588 $\pm$ 630.237 χ^2 /NDF: 19.8/21

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137 $\pm$ 0.503 χ^2/NDF : 645188.8/16

Left Out: 2078.689 $\pm$ 1.052 χ^2/NDF : 2422.3/2

Right Out: 1766.719 $\pm$ 0.479 χ^2/NDF : 307297.1/19

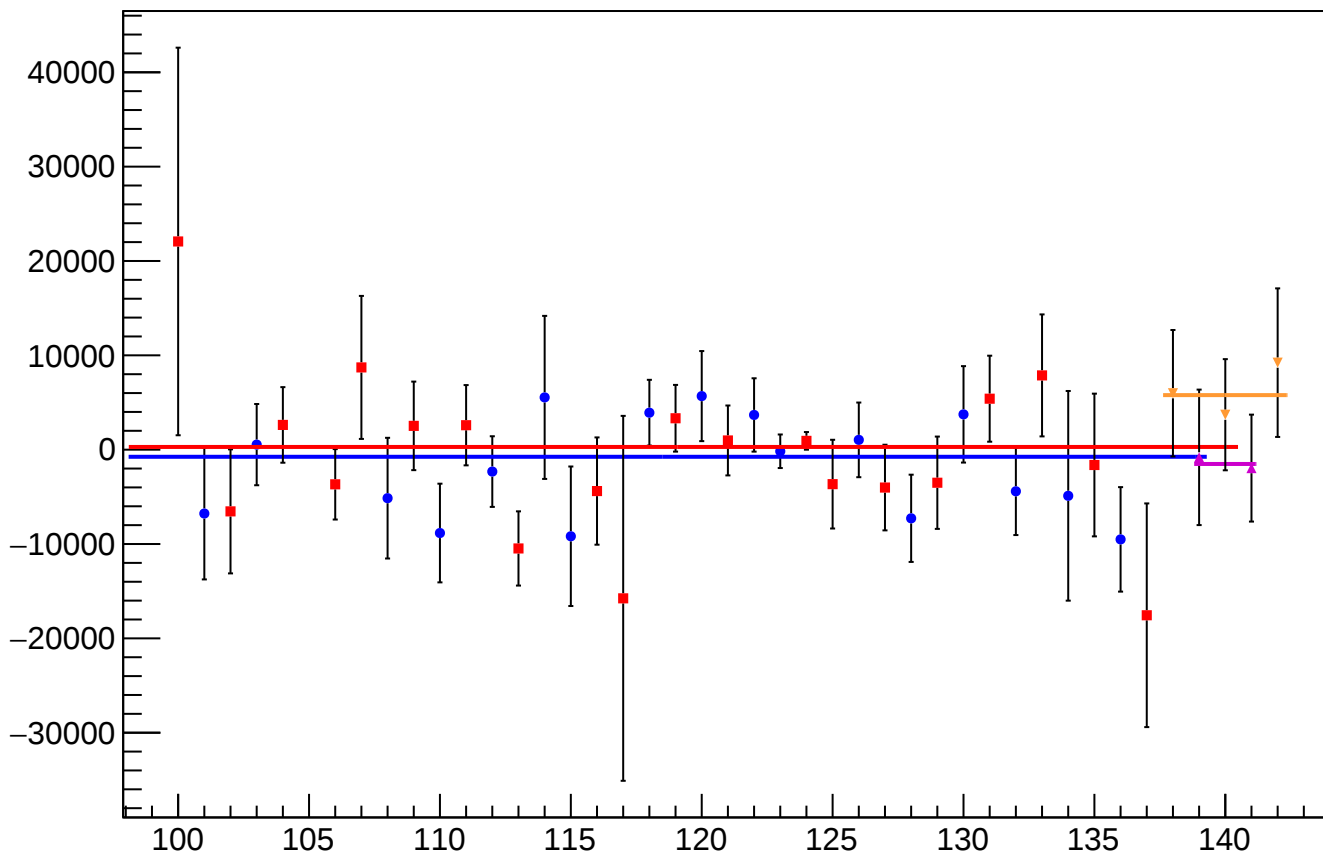
Left In: 2055.350 $\pm$ 1.161 χ^2/NDF : 494.1/1

1837.277 $\pm$ 0.454 χ^2/NDF : 712243.4/19

1822.665 $\pm$ 0.317 χ^2/NDF : 1074849.3/41

1808.738 $\pm$ 0.443 χ^2/NDF : 360581.2/21

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



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

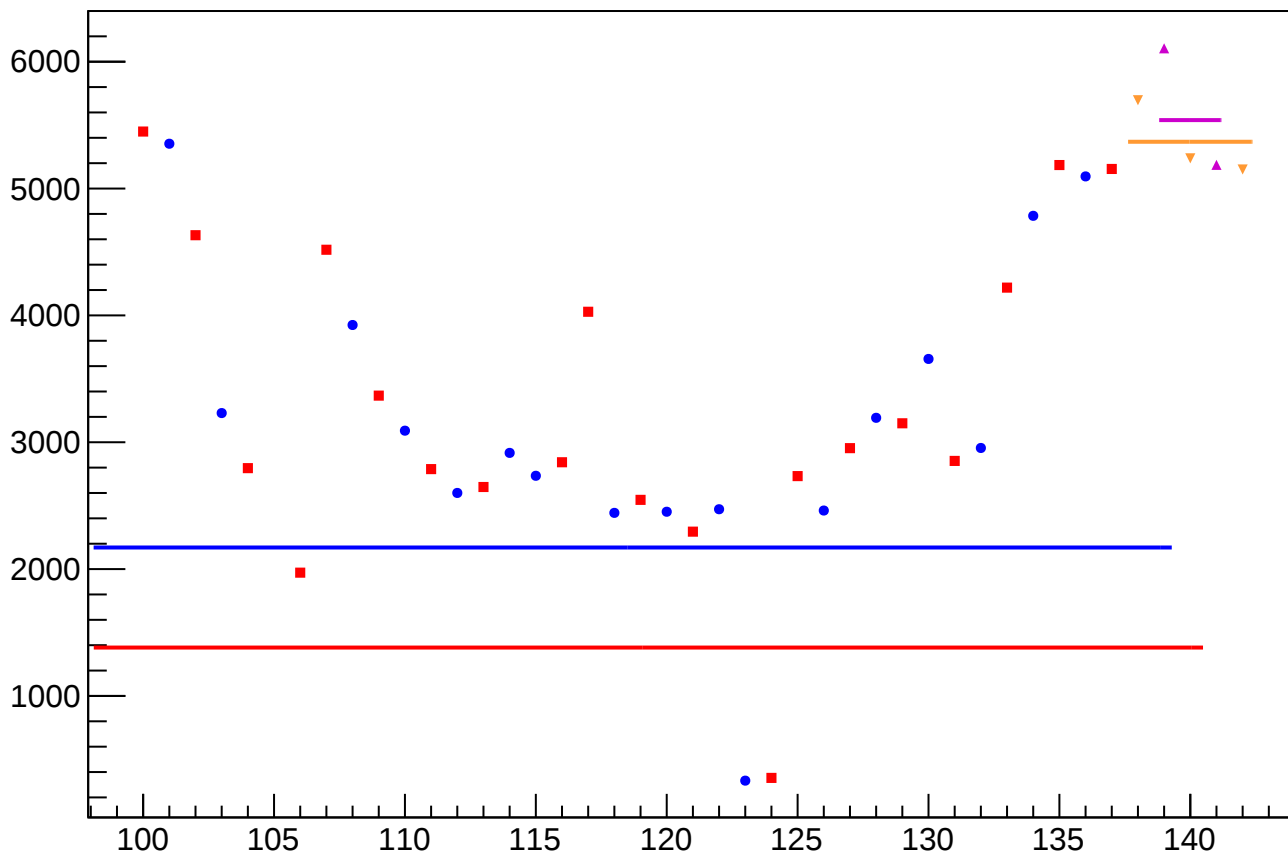
Left In: -1515.747+/-4448.370 χ^2/NDF : 0.0/1

-335.231+/-975.728 χ^2/NDF : 19.9/19

40.390+/-576.833 χ^2/NDF : 43.0/41

242.199+/-715.196 χ^2/NDF : 22.9/21

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



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

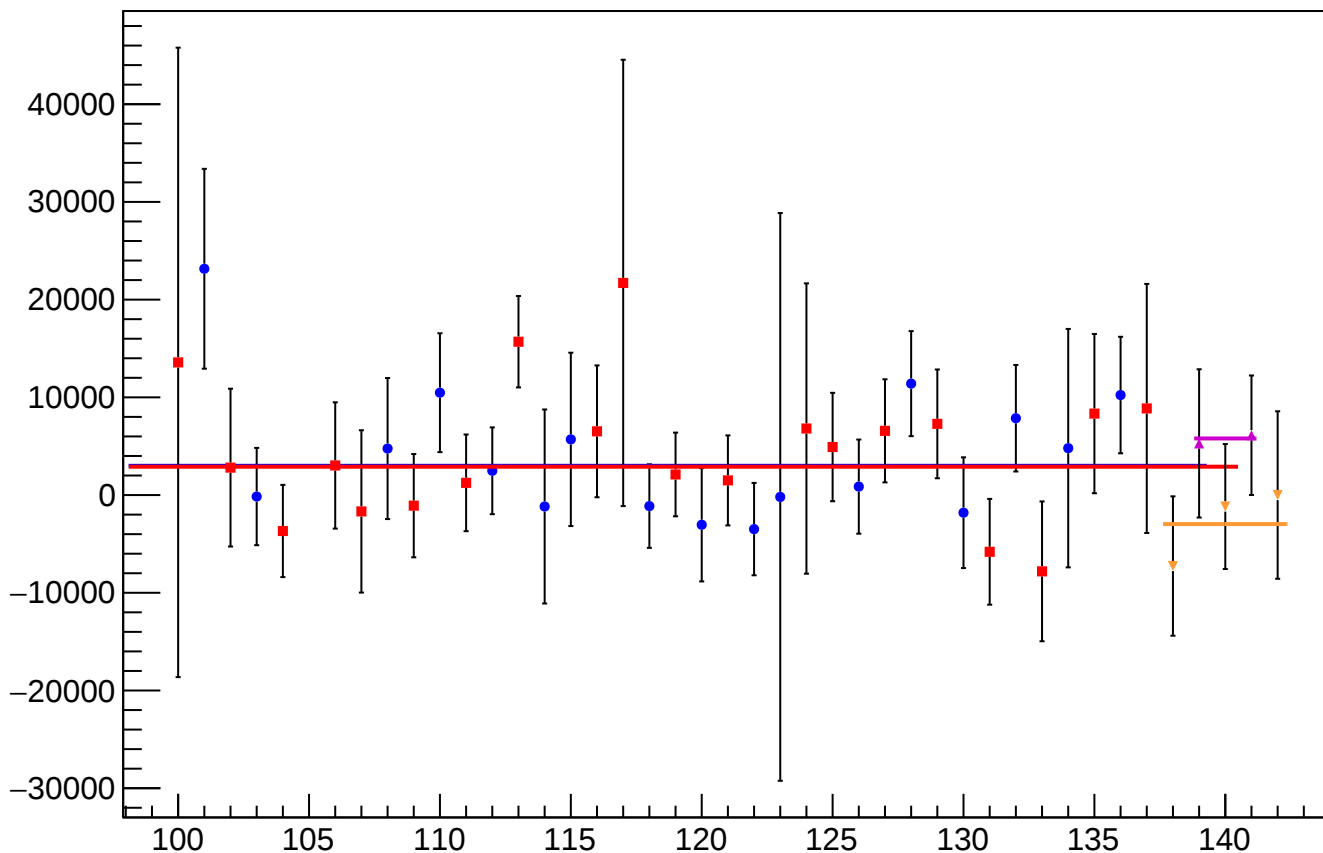
Left In: 5539.622+/-3.145 χ^2/NDF : 20173.9/1

2374.883+/-0.690 χ^2/NDF : 5268130.4/19

1798.563+/-0.408 χ^2/NDF : 14948156.6/4

1488.924+/-0.506 χ^2/NDF : 8607396.6/21

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: -2970.191 $\pm$ 4161.652 χ^2 /NDF: 0.6/2

Right Out: 2901.985 $\pm$ 1376.603 χ^2 /NDF: 18.4/19

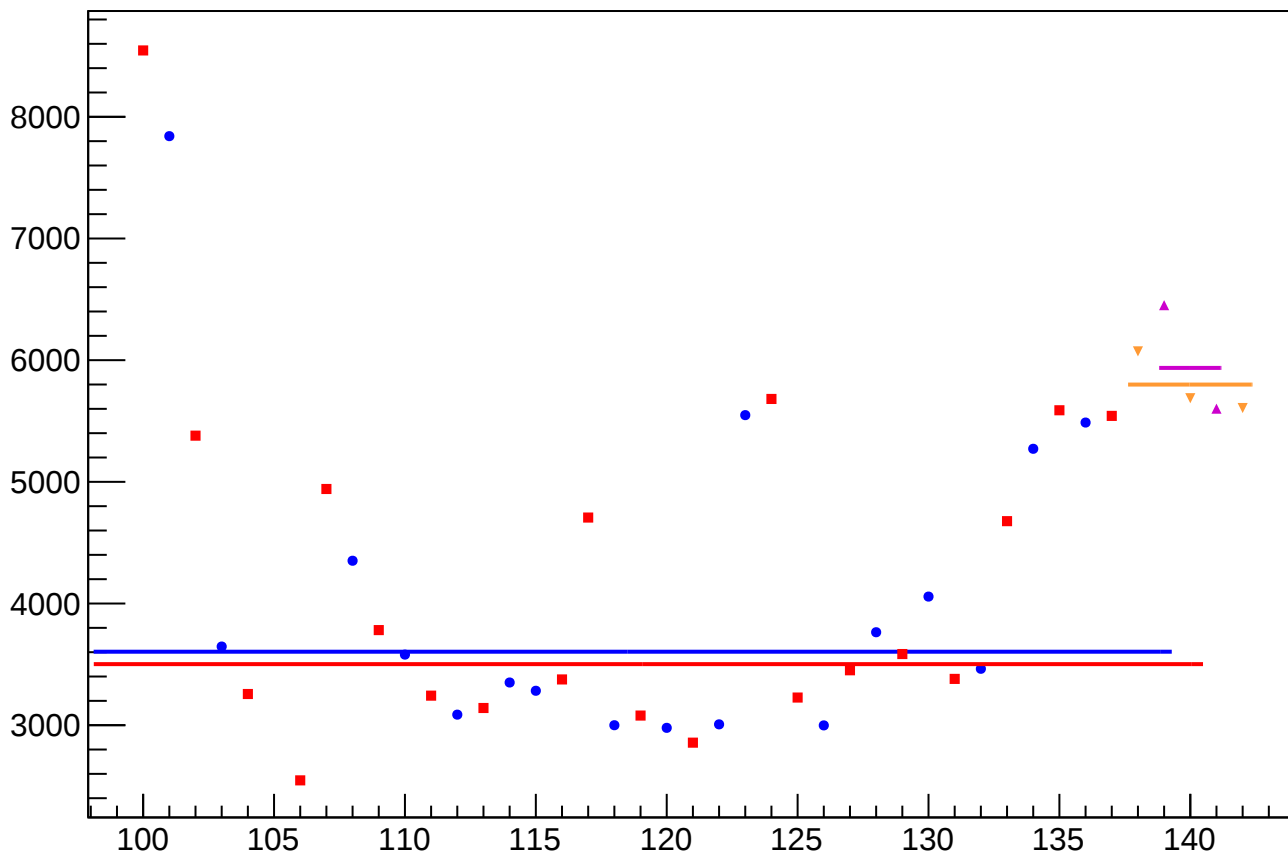
Left In: 5793.724 $\pm$ 4760.496 χ^2 /NDF: 0.0/1

2349.499 $\pm$ 1366.918 χ^2 /NDF: 18.1/19

2750.146 $\pm$ 950.435 χ^2 /NDF: 37.0/41

3125.134 $\pm$ 1322.422 χ^2 /NDF: 18.8/21

asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

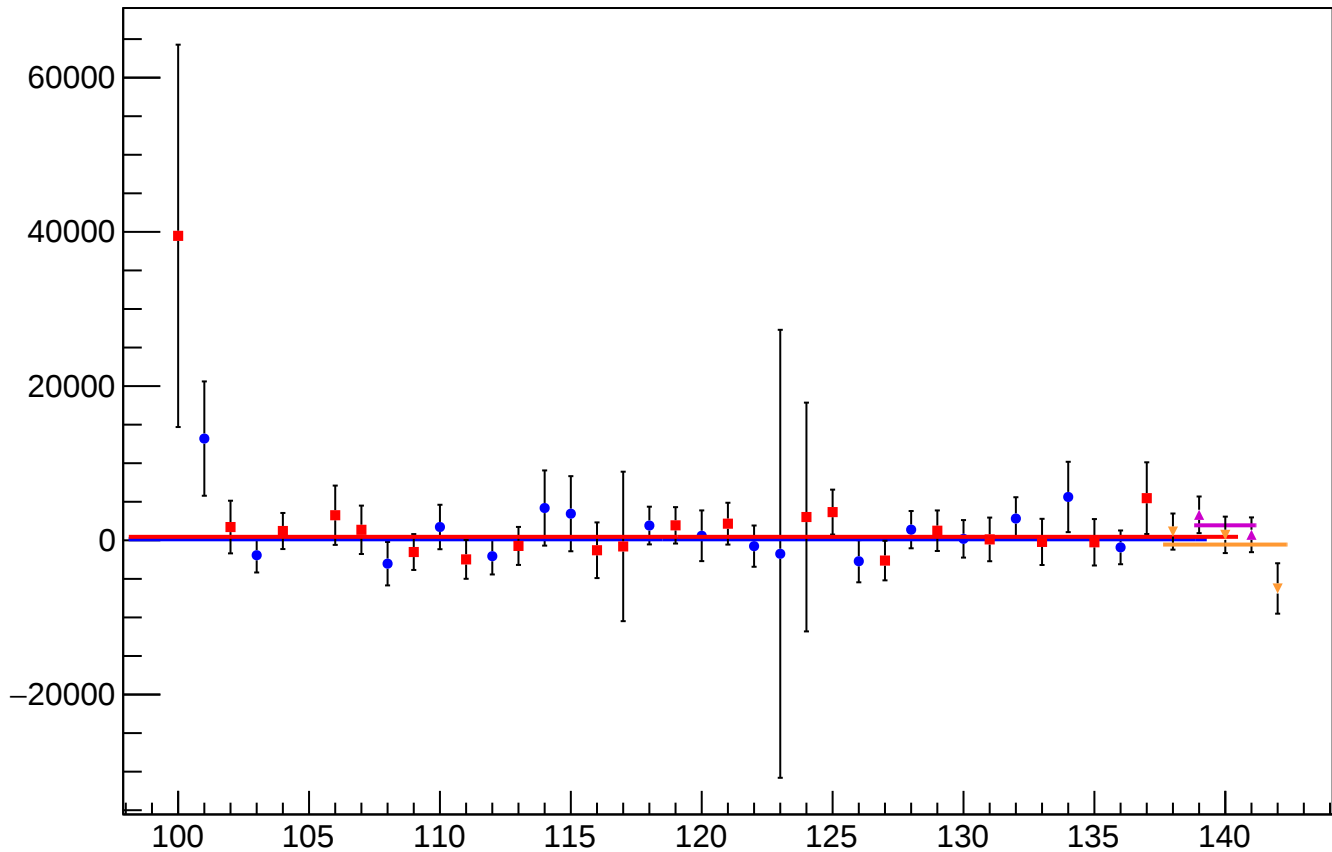
Left In: 5936.454+/-3.366 χ^2/NDF : 15241.7/1

3840.793+/-0.967 χ^2/NDF : 1285841.2/19

3759.292+/-0.668 χ^2/NDF : 2465916.4/41

3684.951+/-0.923 χ^2/NDF : 1166479.7/21

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

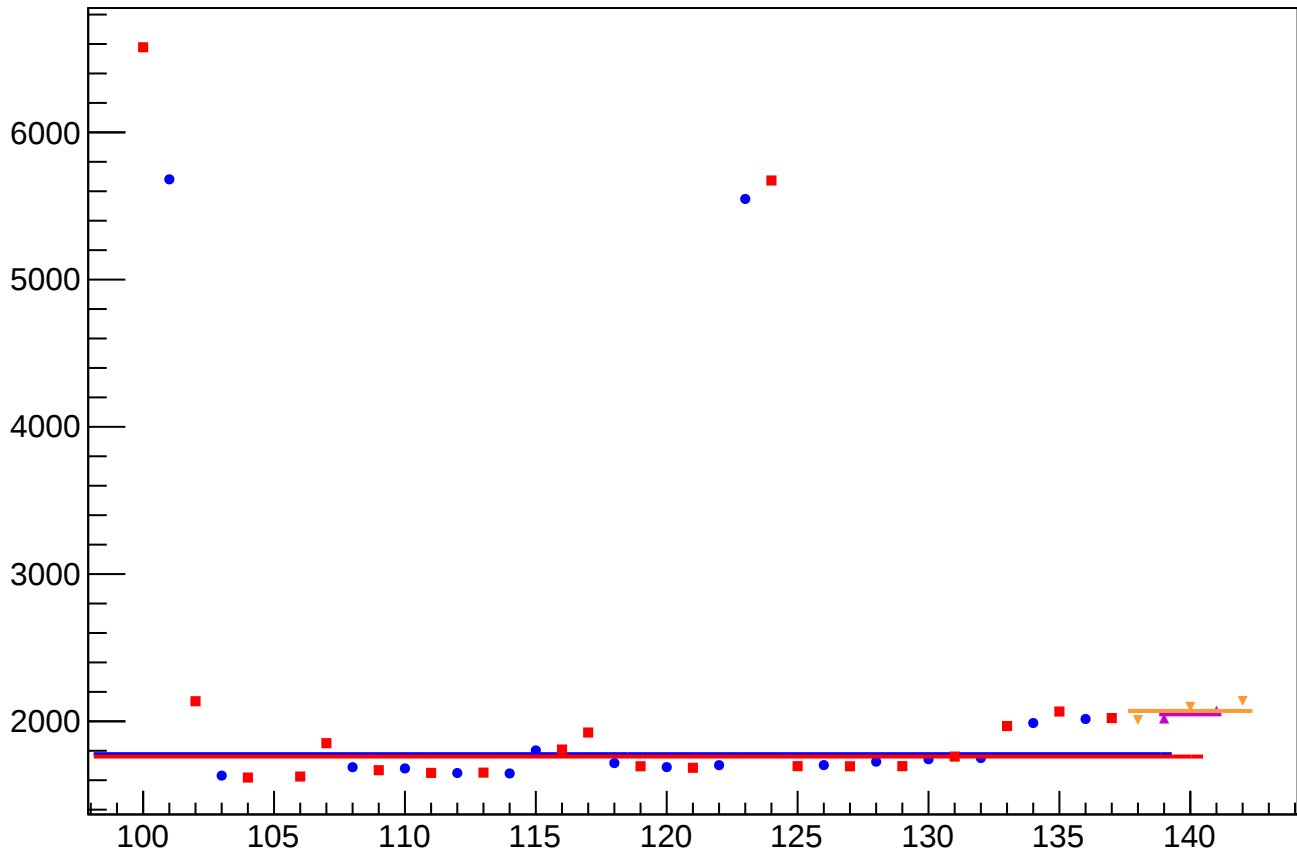
Left In: 1945.105 $\pm$ 1635.584 χ^2/NDF : 0.6/1

4.106 $\pm$ 639.764 χ^2/NDF : 16.2/19

344.687 $\pm$ 448.172 χ^2/NDF : 28.8/41

672.881 $\pm$ 628.022 χ^2/NDF : 12.1/21

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

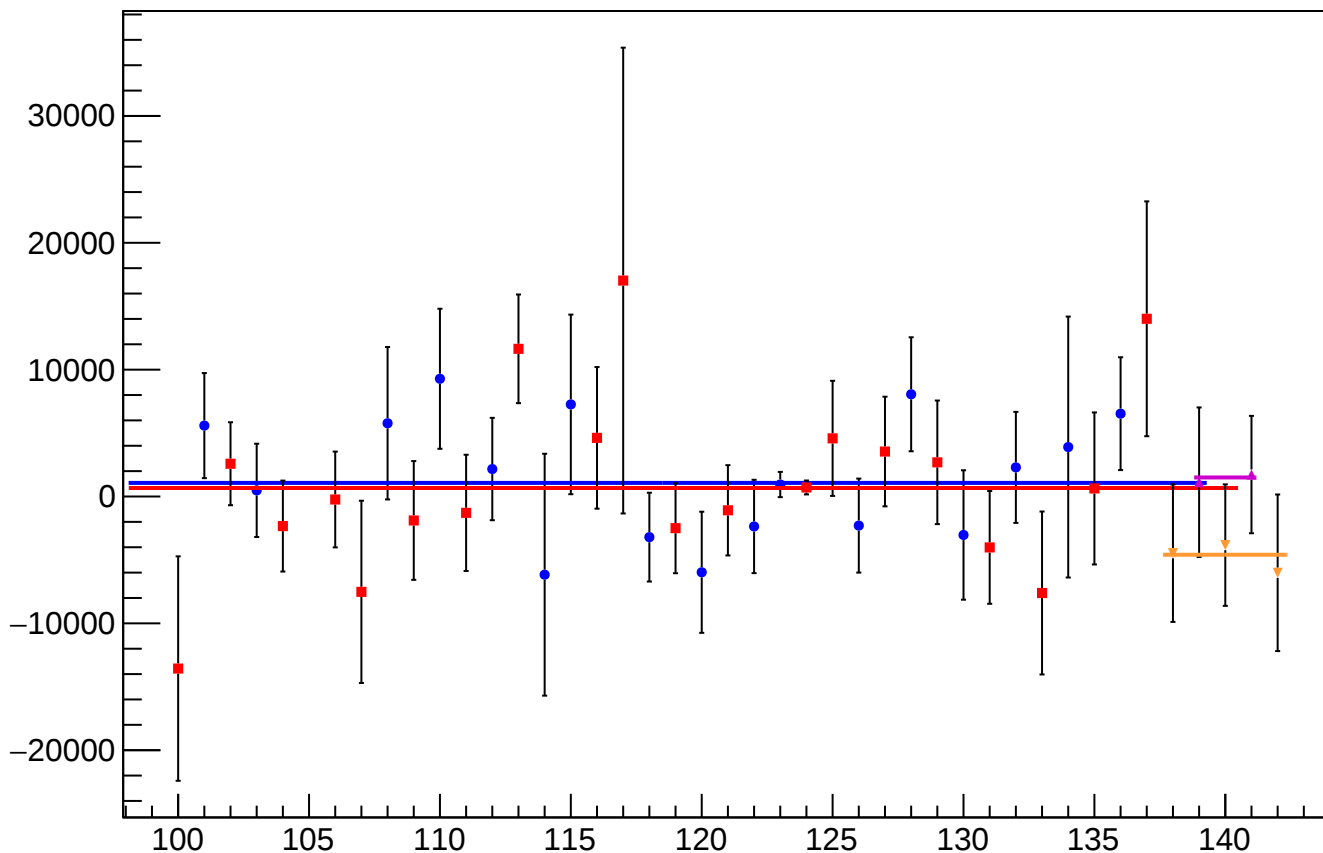
Left In: 2047.211+/-1.157 χ^2/NDF : 521.3/1

1831.532+/-0.452 χ^2/NDF : 709869.7/19

1816.678+/-0.316 χ^2/NDF : 1071616.1/41

1802.529+/-0.442 χ^2/NDF : 359641.3/21

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194 $\pm$ 752.280 χ^2 /NDF: 15.6/16

Left Out: -4591.661 $\pm$ 3101.921 χ^2 /NDF: 0.1/2

Right Out: 670.313 $\pm$ 487.861 χ^2 /NDF: 20.6/19

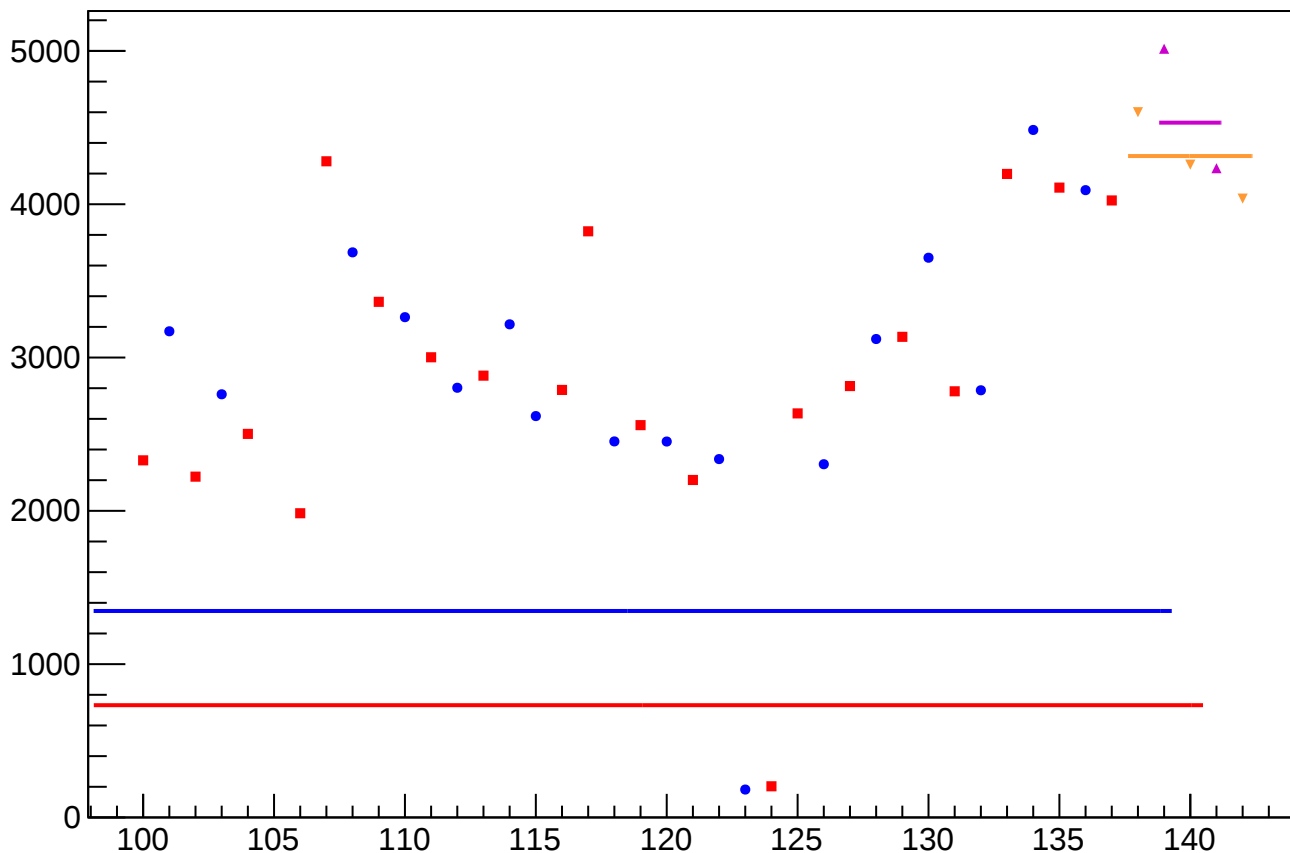
Left In: 1500.569 $\pm$ 3639.199 χ^2 /NDF: 0.0/1

757.572 $\pm$ 731.087 χ^2 /NDF: 18.8/19

707.064 $\pm$ 403.305 χ^2 /NDF: 39.4/41

684.970 $\pm$ 483.536 χ^2 /NDF: 20.6/21

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



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

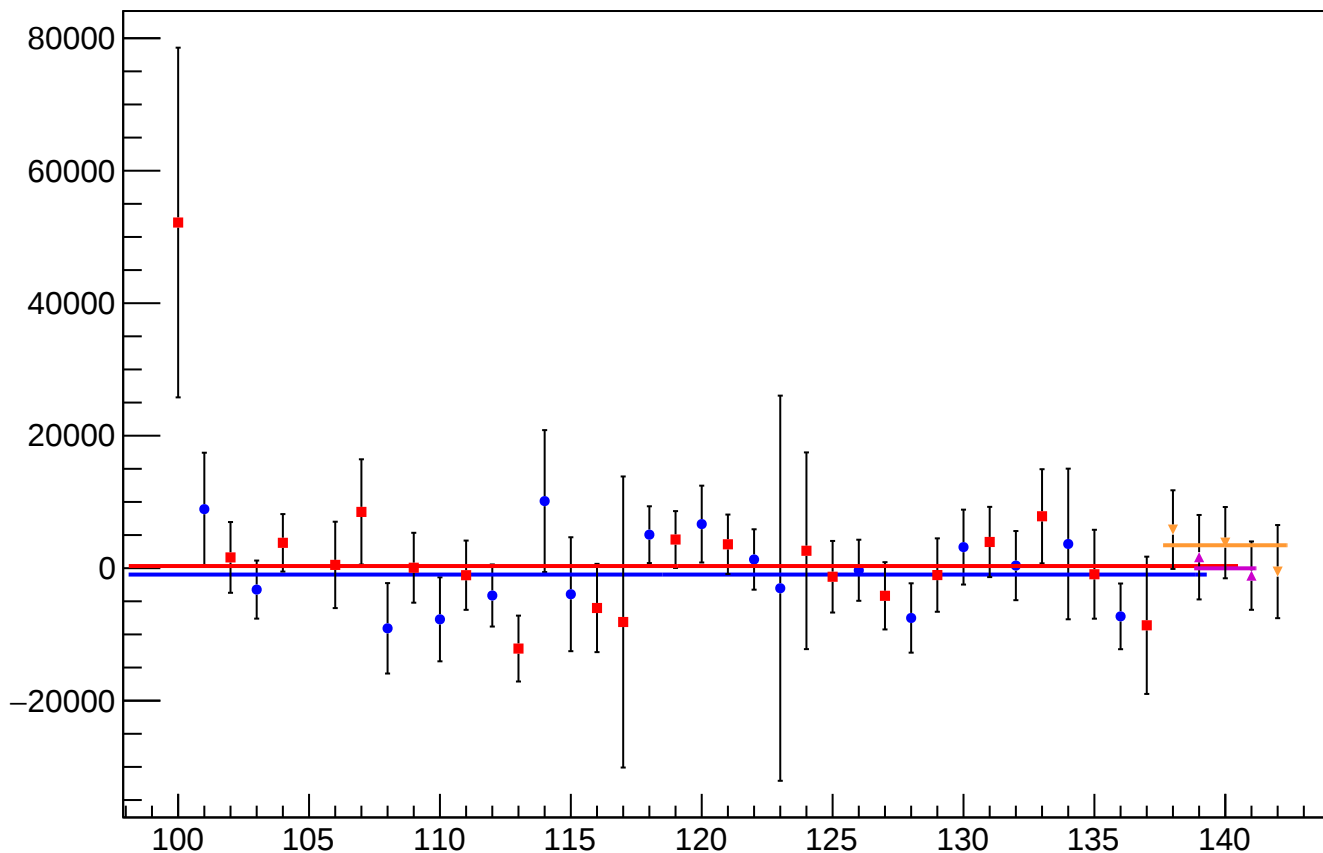
Left In: 4532.199 $\pm$ 2.573 χ^2/NDF :21638.0/1

1511.679 $\pm$ 0.517 χ^2/NDF : 8577763.2/19

1016.151 $\pm$ 0.285 χ^2/NDF : 21622029.7/4

799.387 $\pm$ 0.342 χ^2/NDF : 11723525.1/21

asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

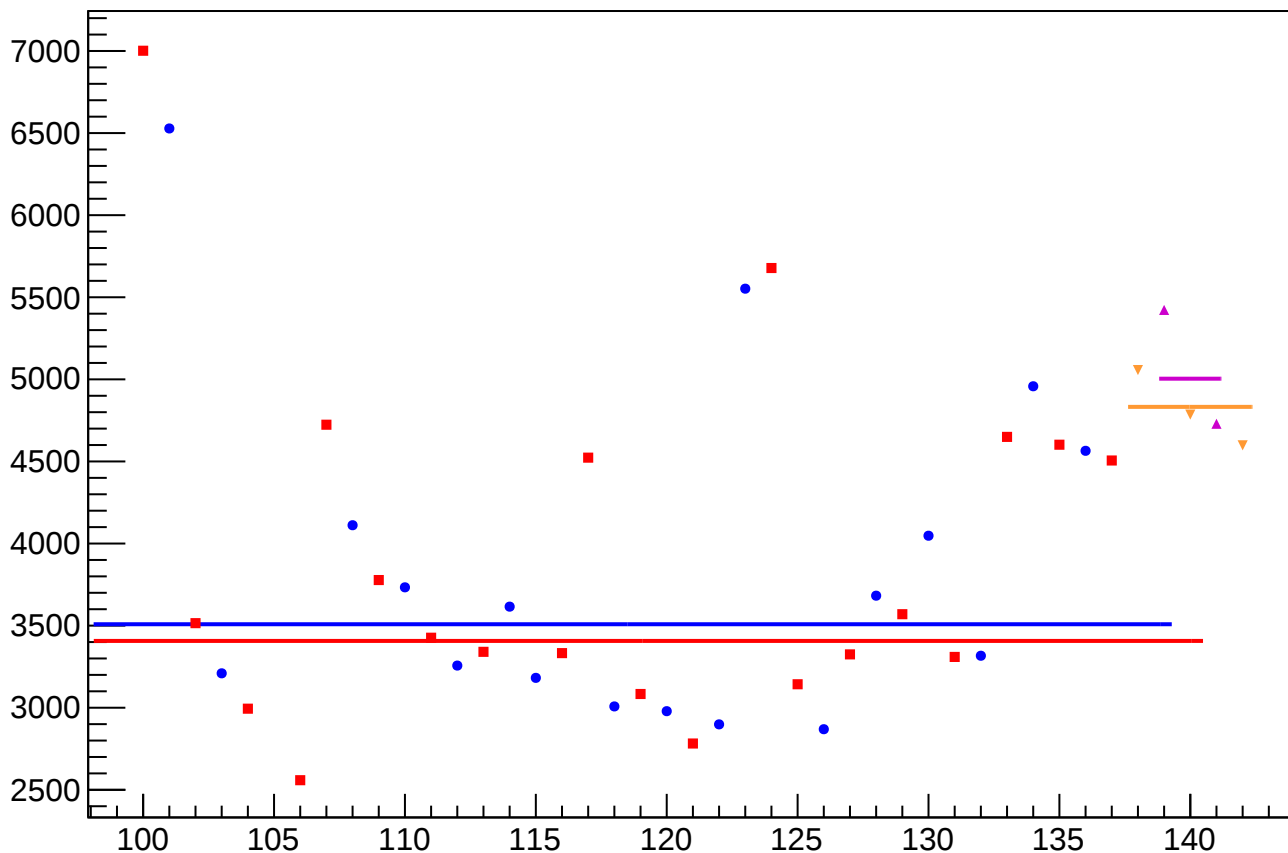
Left In: -22.653+/-4010.529 χ^2/NDF : 0.1/1

-347.288+/-1294.706 χ^2/NDF : 15.6/19

-20.272+/-903.016 χ^2/NDF : 33.6/41

289.502+/-1260.110 χ^2/NDF : 17.9/21

asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

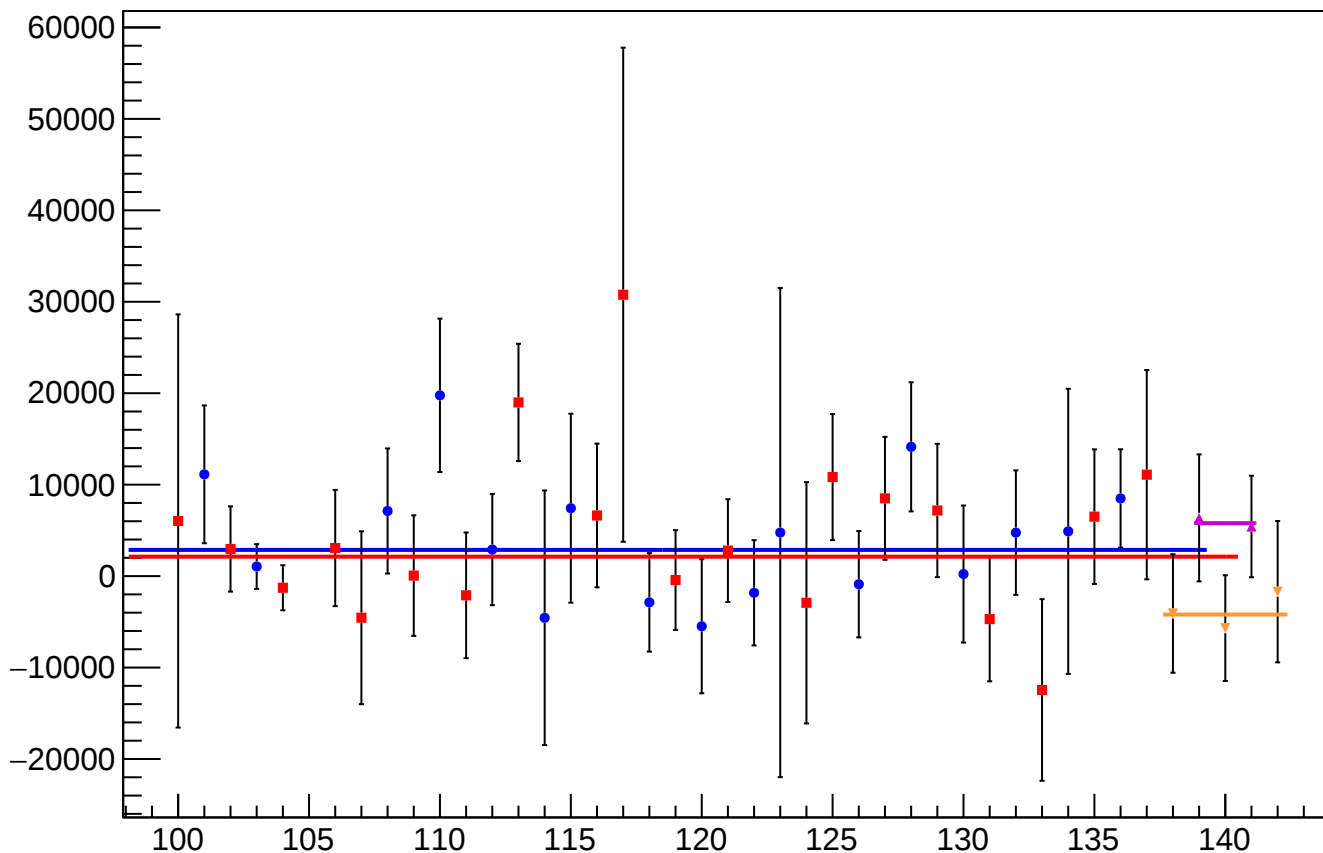
Left In: 5004.067+/-2.836 χ^2/NDF : 14297.5/1

3693.032+/-0.915 χ^2/NDF : 818310.4/19

3624.402+/-0.635 χ^2/NDF : 1563784.3/41

3560.895+/-0.881 χ^2/NDF : 734653.9/21

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

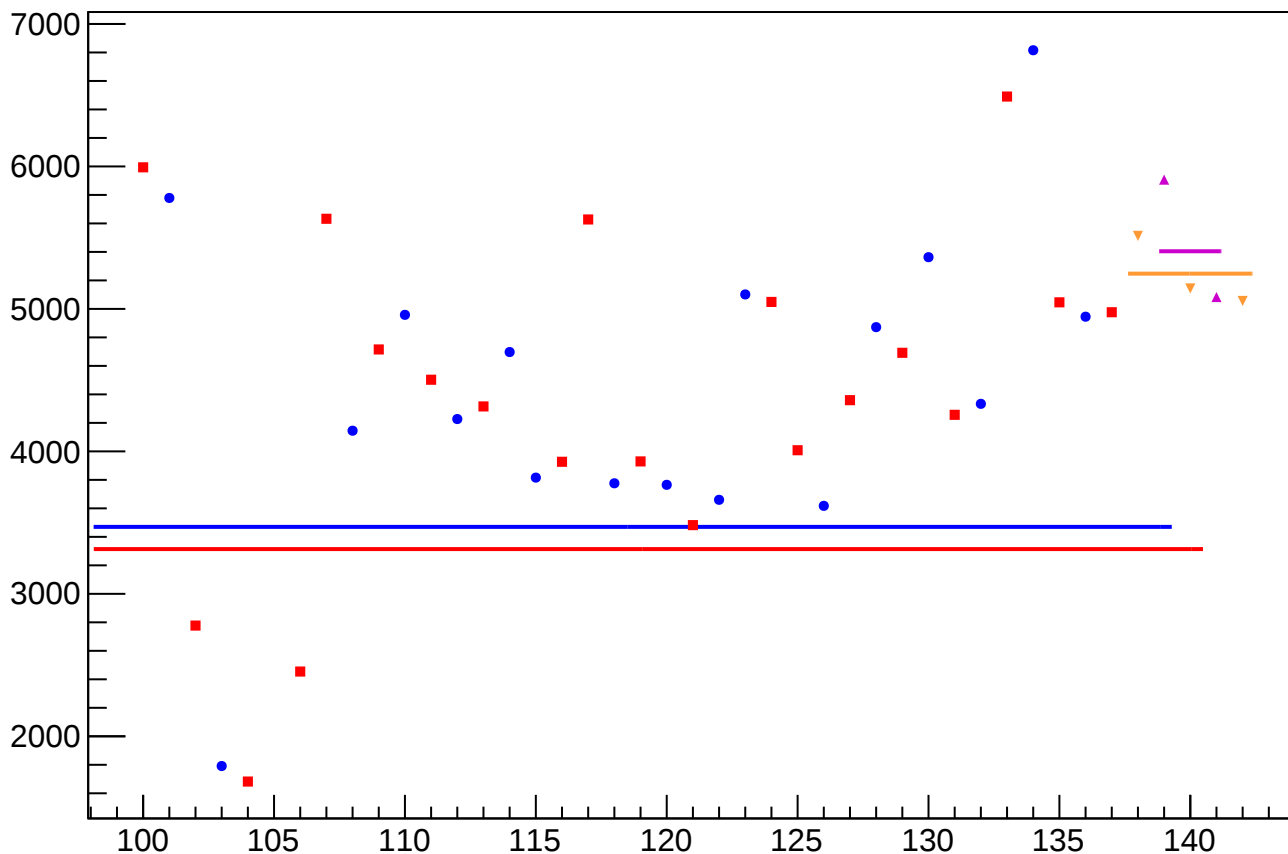
Left In: 5790.107+/-4336.057 χ^2/NDF : 0.0/1

1950.165+/-1355.371 χ^2/NDF : 17.3/19

2214.370+/-943.725 χ^2/NDF : 36.8/41

2462.998+/-1314.812 χ^2/NDF : 19.5/21

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

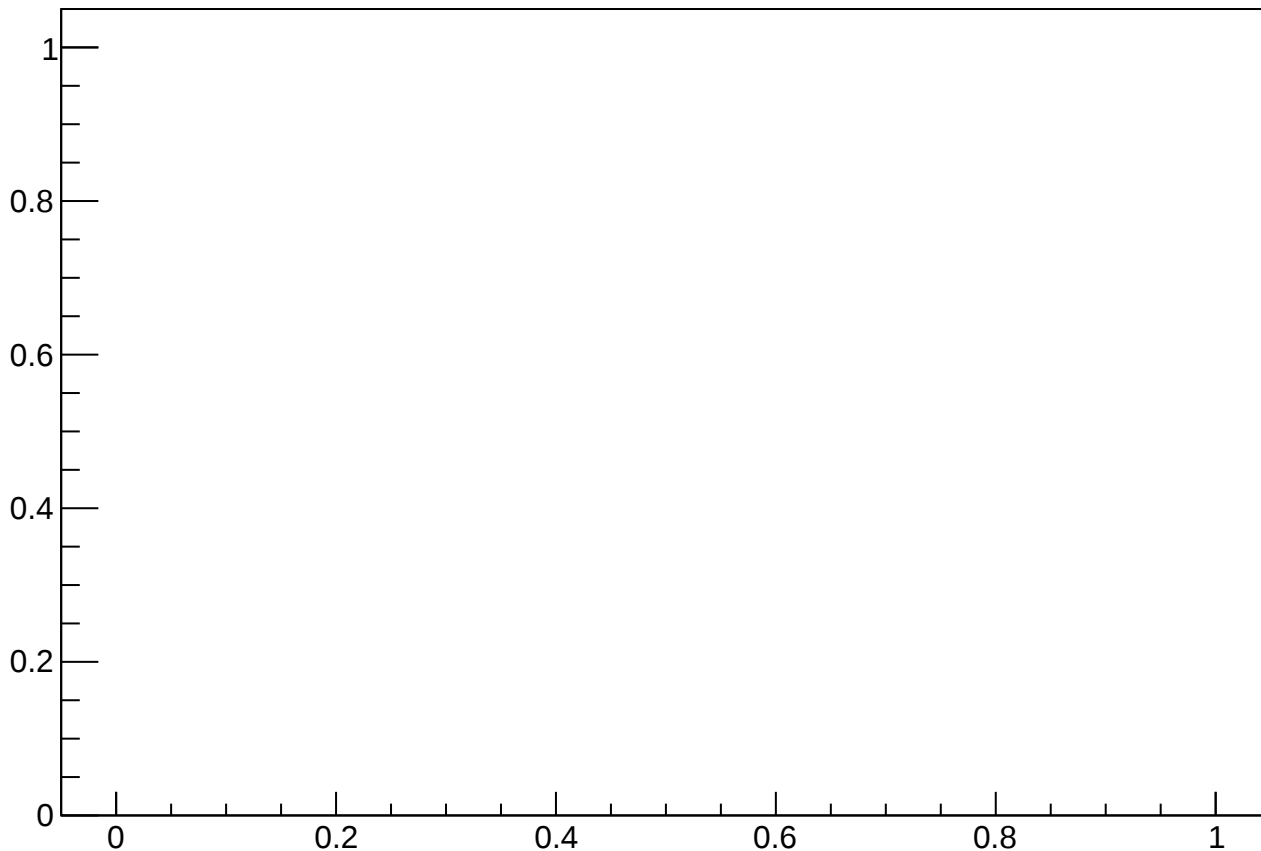
Left In: 5404.659 $\pm$ 3.066 χ^2 /NDF: 17185.0/1

3700.139 $\pm$ 0.958 χ^2 /NDF: 2153730.1/19

3597.875 $\pm$ 0.664 χ^2 /NDF: 4541155.6/41

3503.224 $\pm$ 0.922 χ^2 /NDF: 2365500.8/21

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

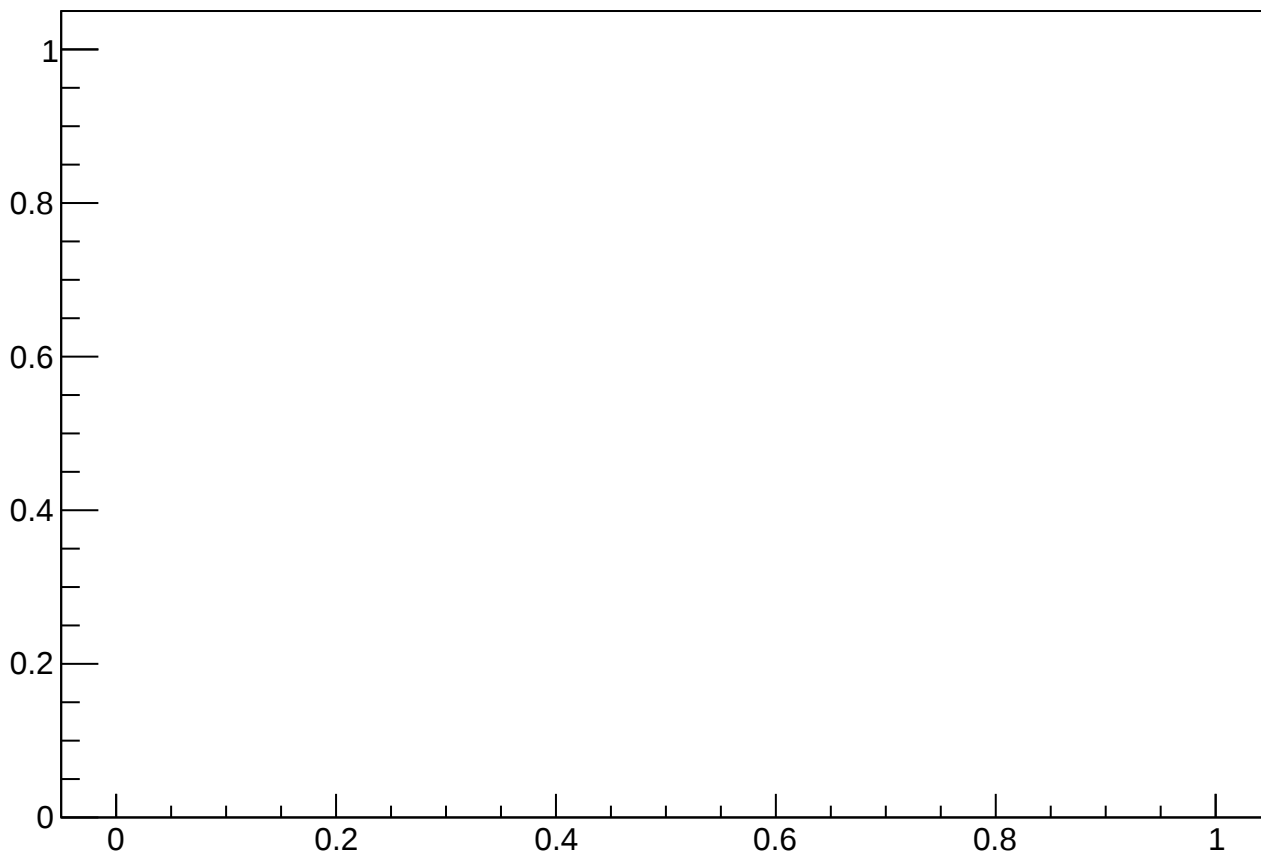
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

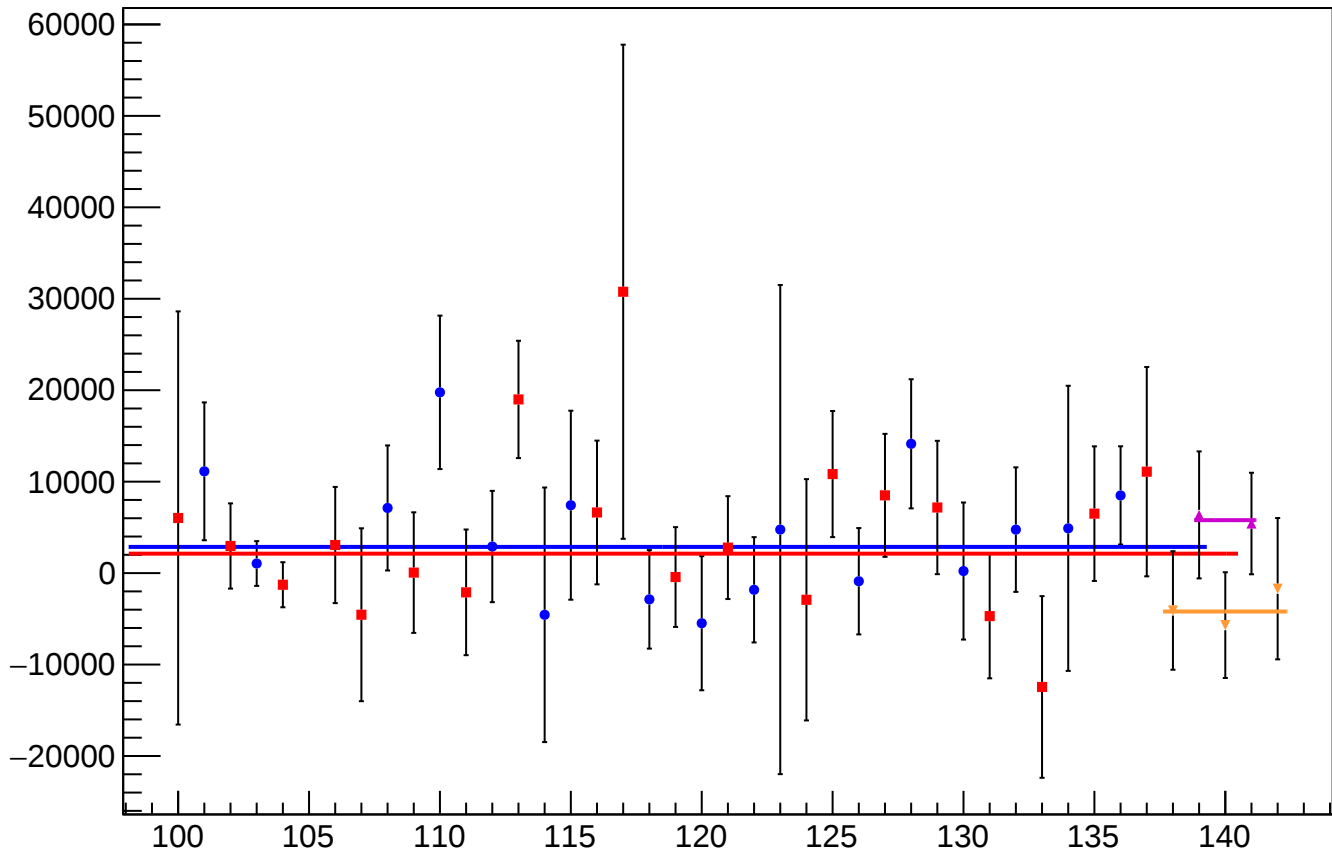
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

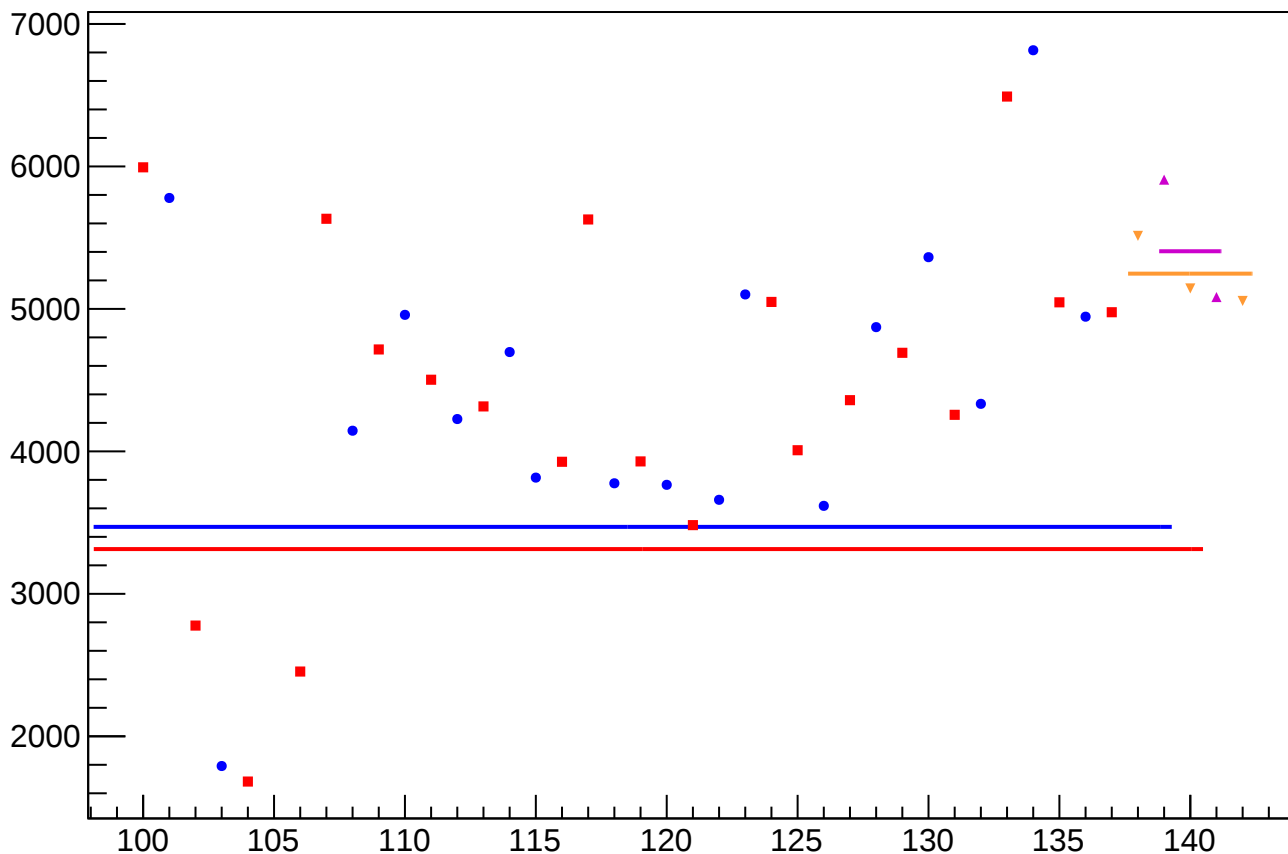
Left In: 5790.107+/-4336.057 χ^2/NDF : 0.0/1

1950.165+/-1355.371 χ^2/NDF : 17.3/19

2214.370+/-943.725 χ^2/NDF : 36.8/41

2462.998+/-1314.812 χ^2/NDF : 19.5/21

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

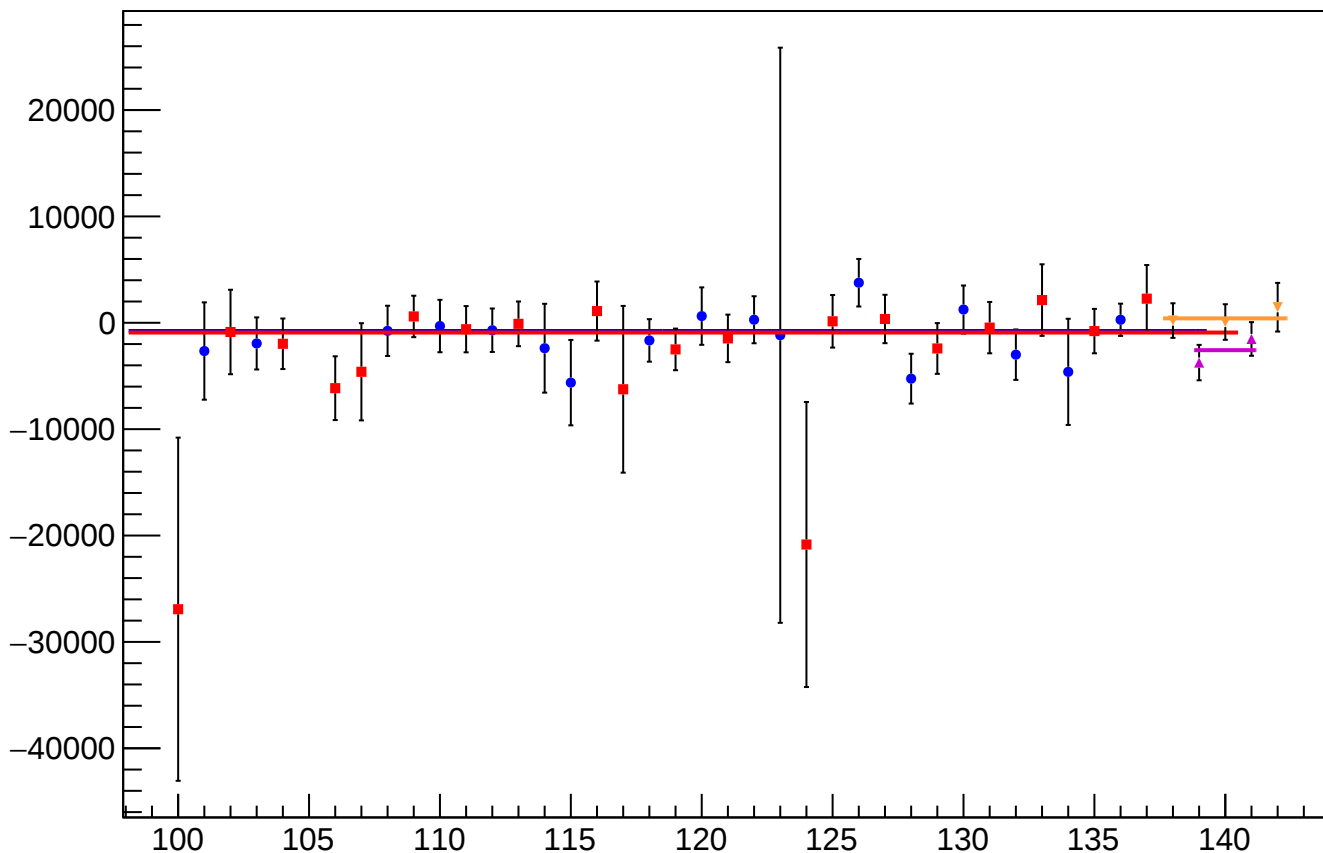
Left In: 5404.659 $\pm$ 3.066 χ^2 /NDF: 17185.0/1

3700.139 $\pm$ 0.958 χ^2 /NDF: 2153730.1/19

3597.875 $\pm$ 0.664 χ^2 /NDF: 4541155.6/41

3503.224 $\pm$ 0.922 χ^2 /NDF: 2365500.8/21

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

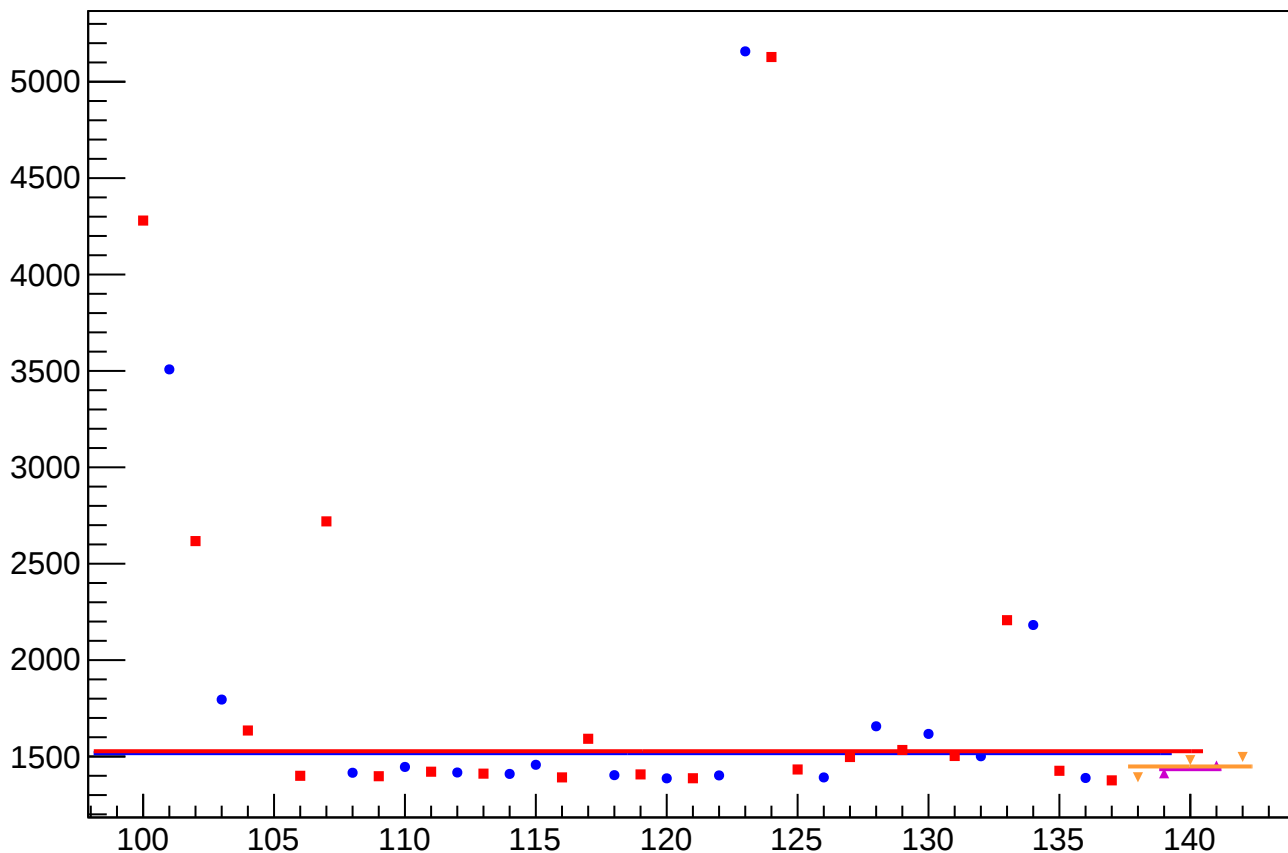
Left In: -2573.592+/-1146.563 χ^2/NDF : 0.9/1

-471.522+/-521.940 χ^2/NDF : 14.5/19

-864.984+/-370.831 χ^2/NDF : 32.2/41

-1266.058+/-526.964 χ^2/NDF : 16.5/21

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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

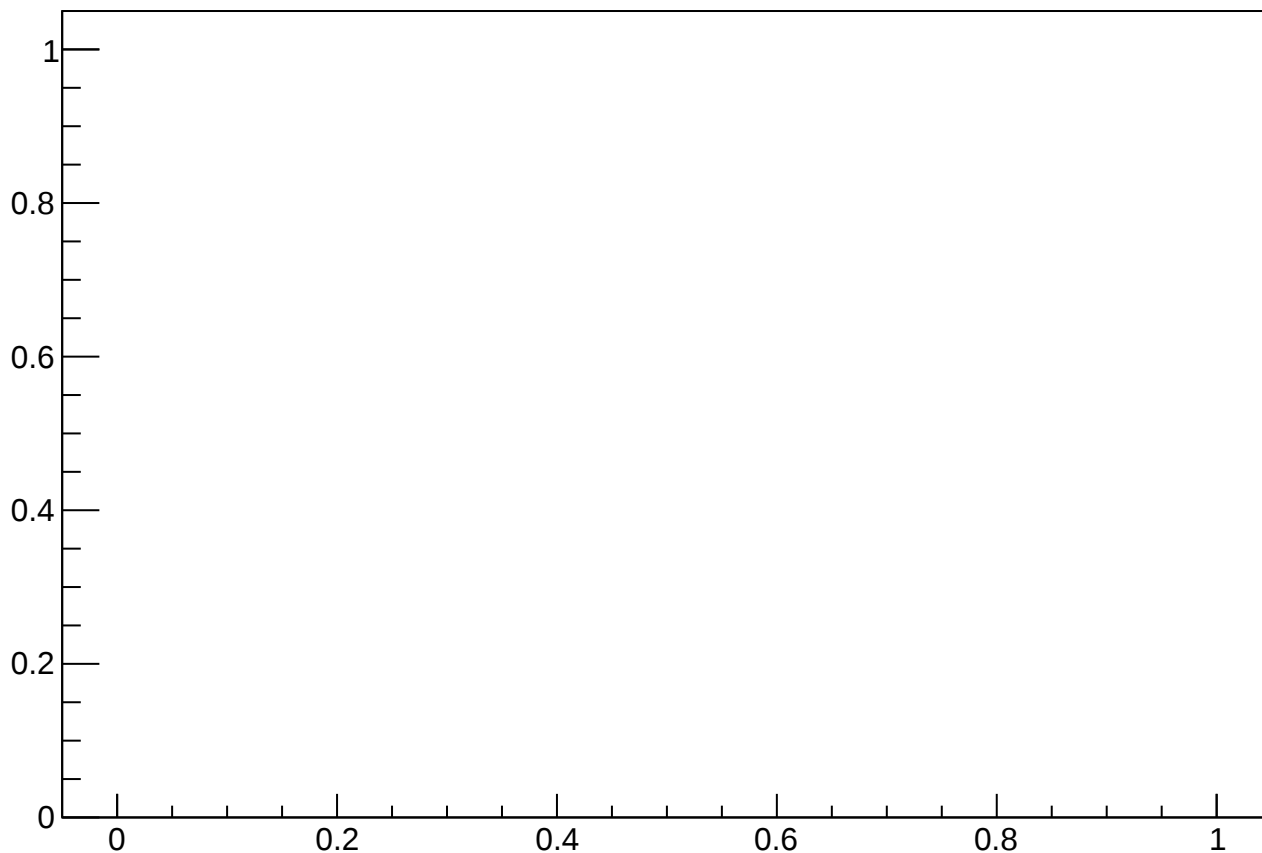
Left In: 1434.301+/-0.811 χ^2/NDF : 623.2/1

1499.901+/-0.369 χ^2/NDF : 547354.7/19

1503.771+/-0.262 χ^2/NDF : 1190416.7/41

1507.717+/-0.373 χ^2/NDF : 642839.9/21

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

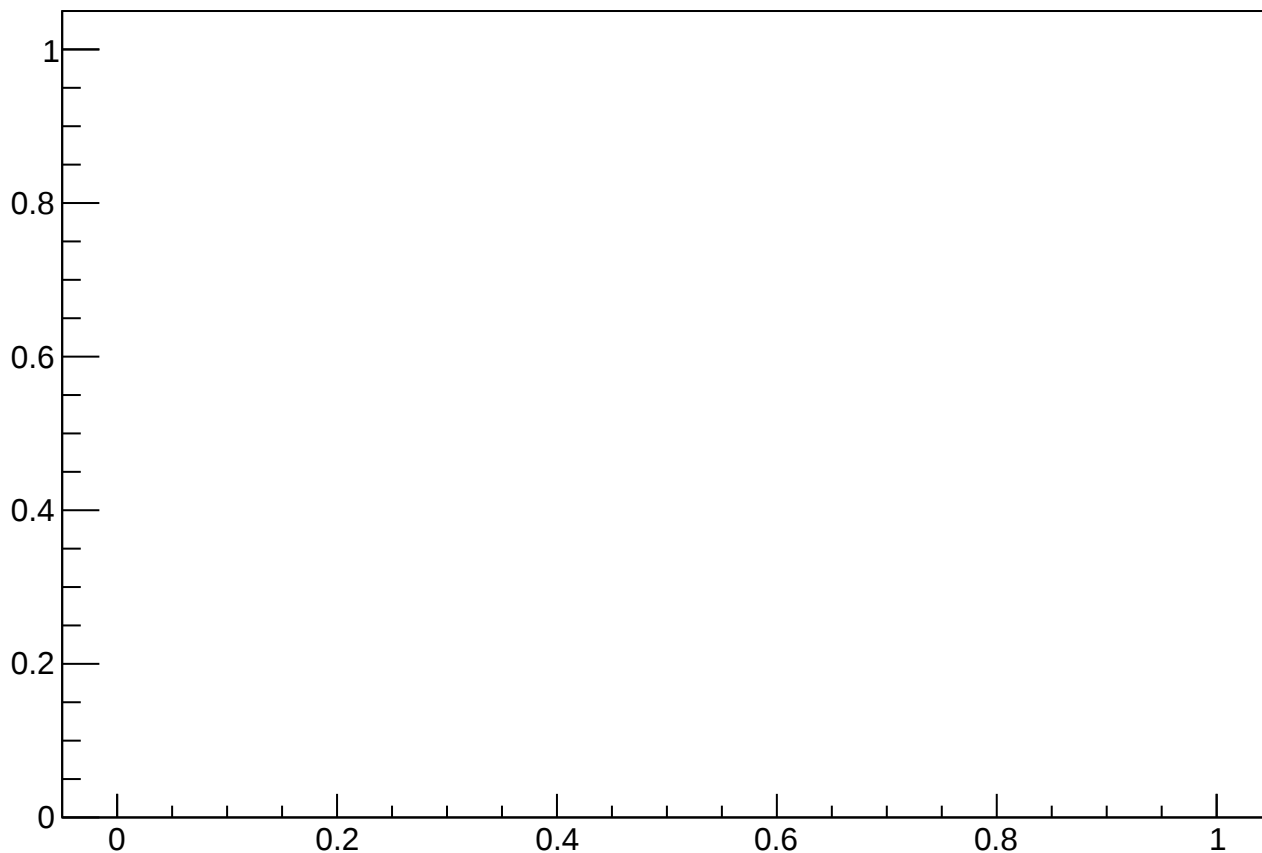
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

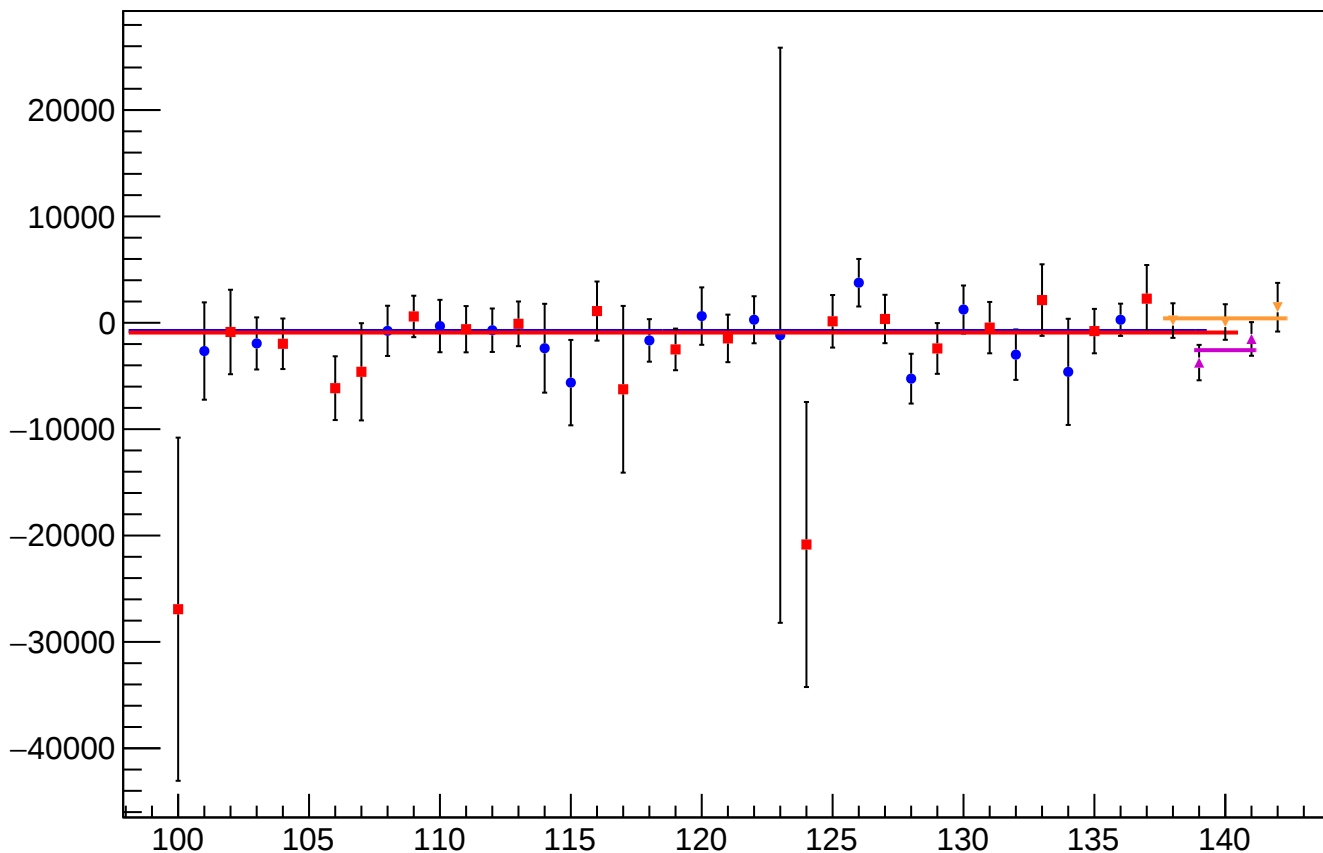
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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Left Out: 415.520+/-1038.706 χ^2/NDF : 0.3/2

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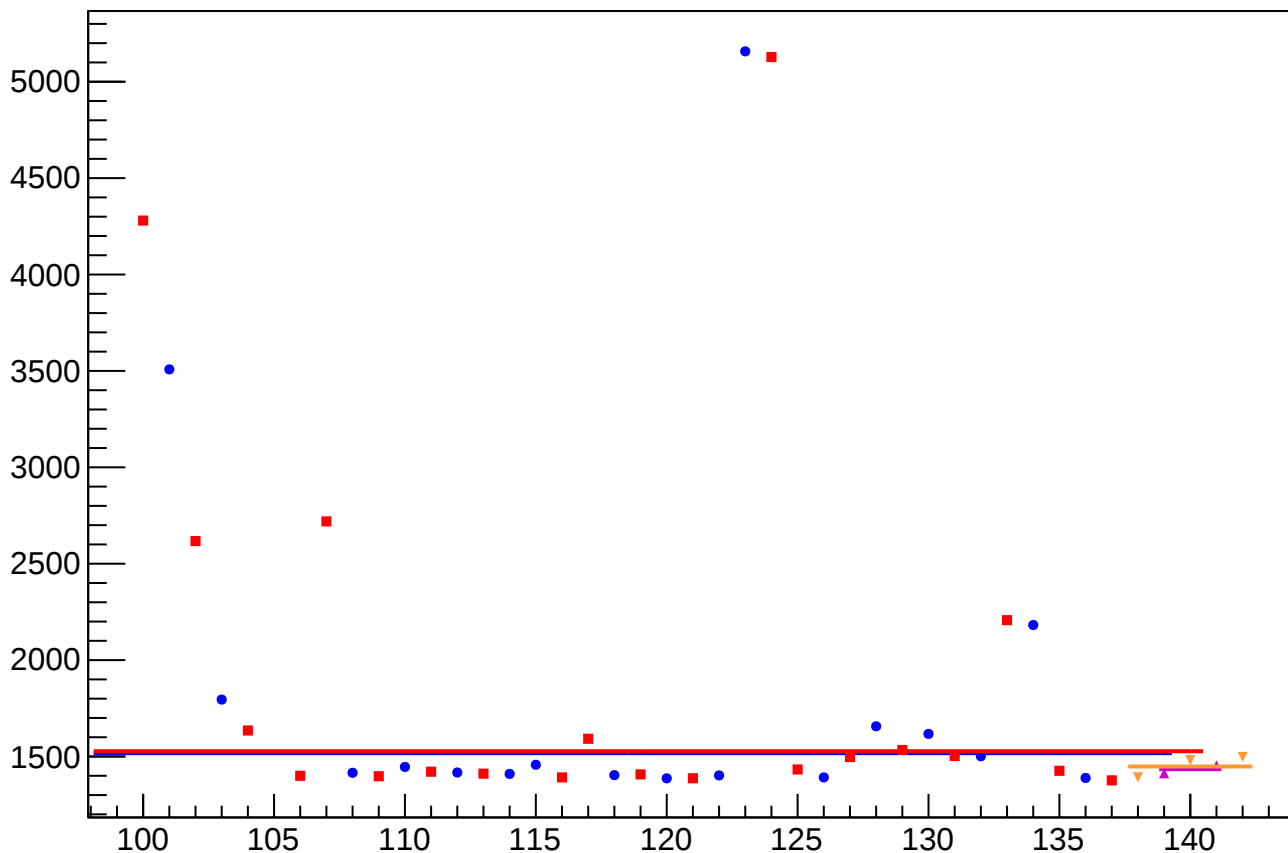
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-864.984+/-370.831 χ^2/NDF : 32.2/41

-1266.058+/-526.964 χ^2/NDF : 16.5/21

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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Left Out: 1448.290+/-0.734 χ^2/NDF : 4086.4/2

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

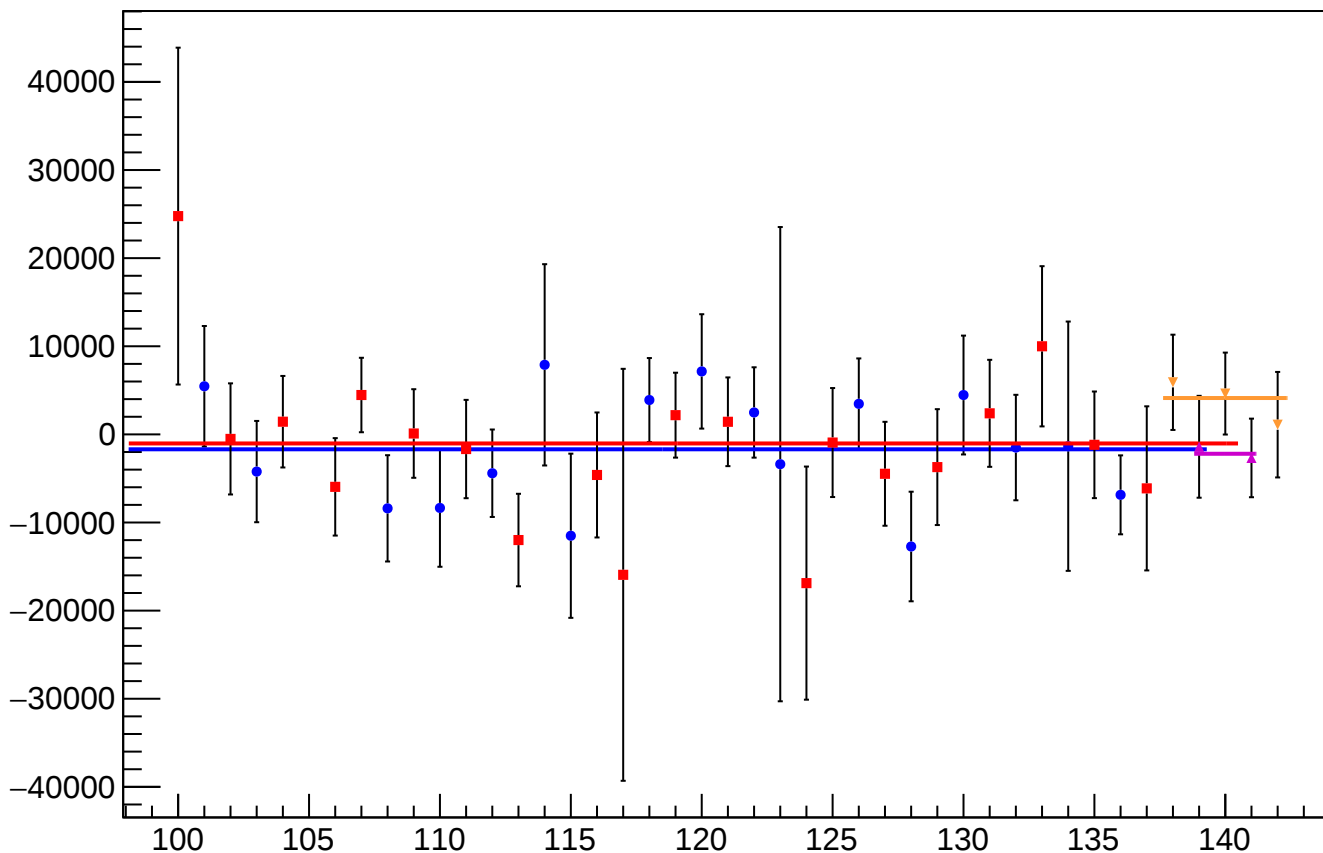
Left In: 1434.301+/-0.811 χ^2/NDF : 623.2/1

1499.901+/-0.369 χ^2/NDF : 547354.7/19

1503.771+/-0.262 χ^2/NDF : 1190416.7/41

1507.717+/-0.373 χ^2/NDF : 642839.9/21

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 4126.379 $\pm$ 3037.328 χ^2 /NDF:0.4/2

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

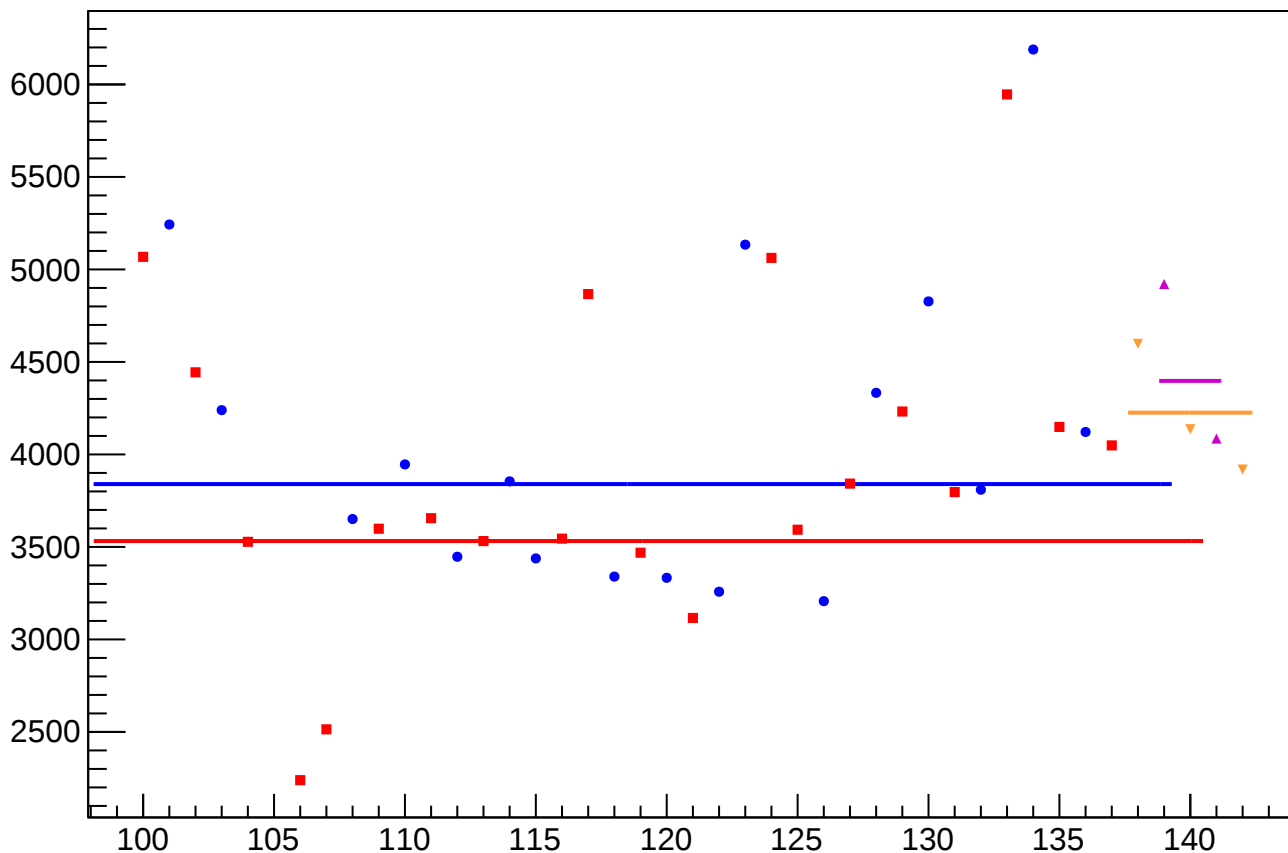
Left In: -2200.024 $\pm$ 3531.036 χ^2 /NDF:0.0/1

-535.829 $\pm$ 1354.231 χ^2 /NDF: 19.2/19

-877.615 $\pm$ 931.184 χ^2 /NDF: 33.8/41

-1184.144 $\pm$ 1282.482 χ^2 /NDF: 14.5/21

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



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

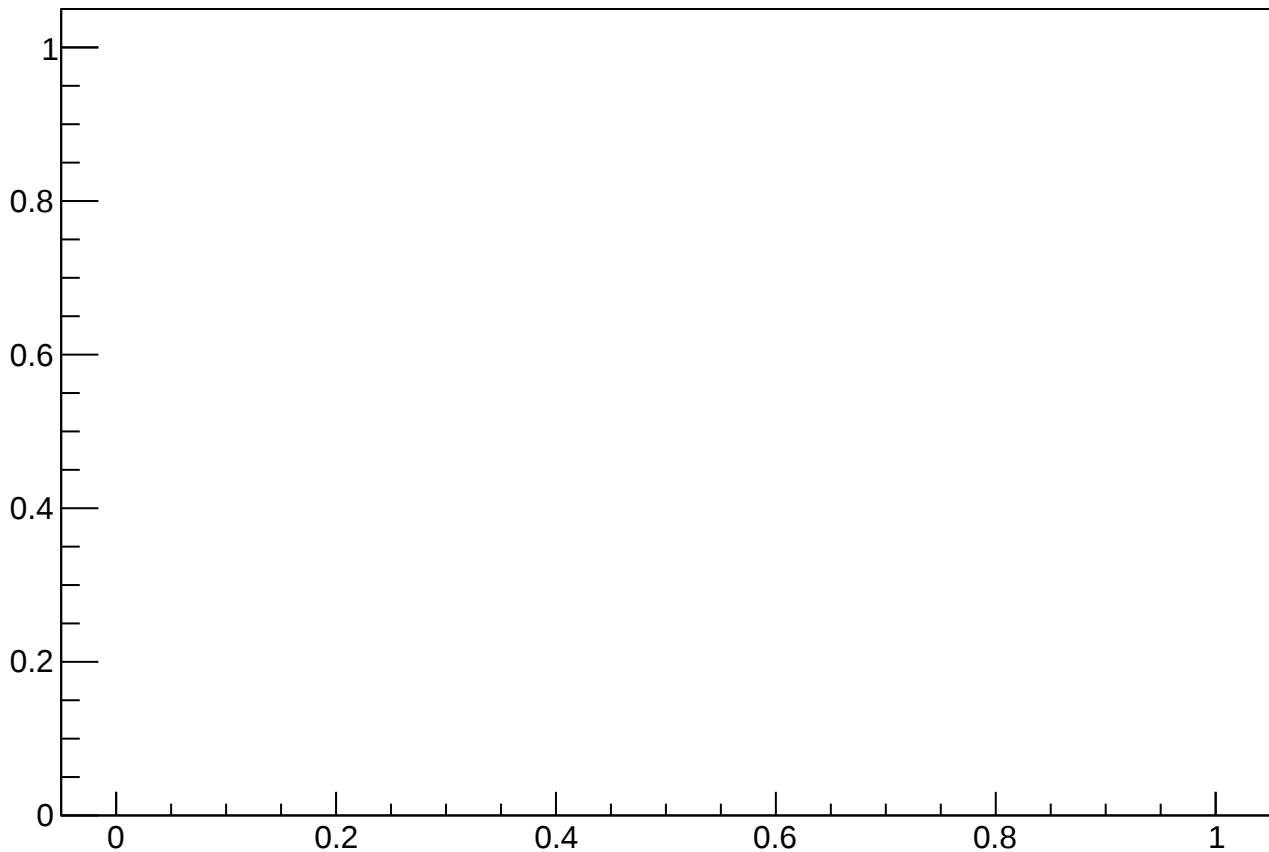
Left In: 4397.493+/-2.497 χ^2/NDF : 26202.3/1

3916.509+/-0.958 χ^2/NDF : 367364.4/19

3771.921+/-0.656 χ^2/NDF : 1102410.3/41

3644.277+/-0.900 χ^2/NDF : 692118.4/21

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

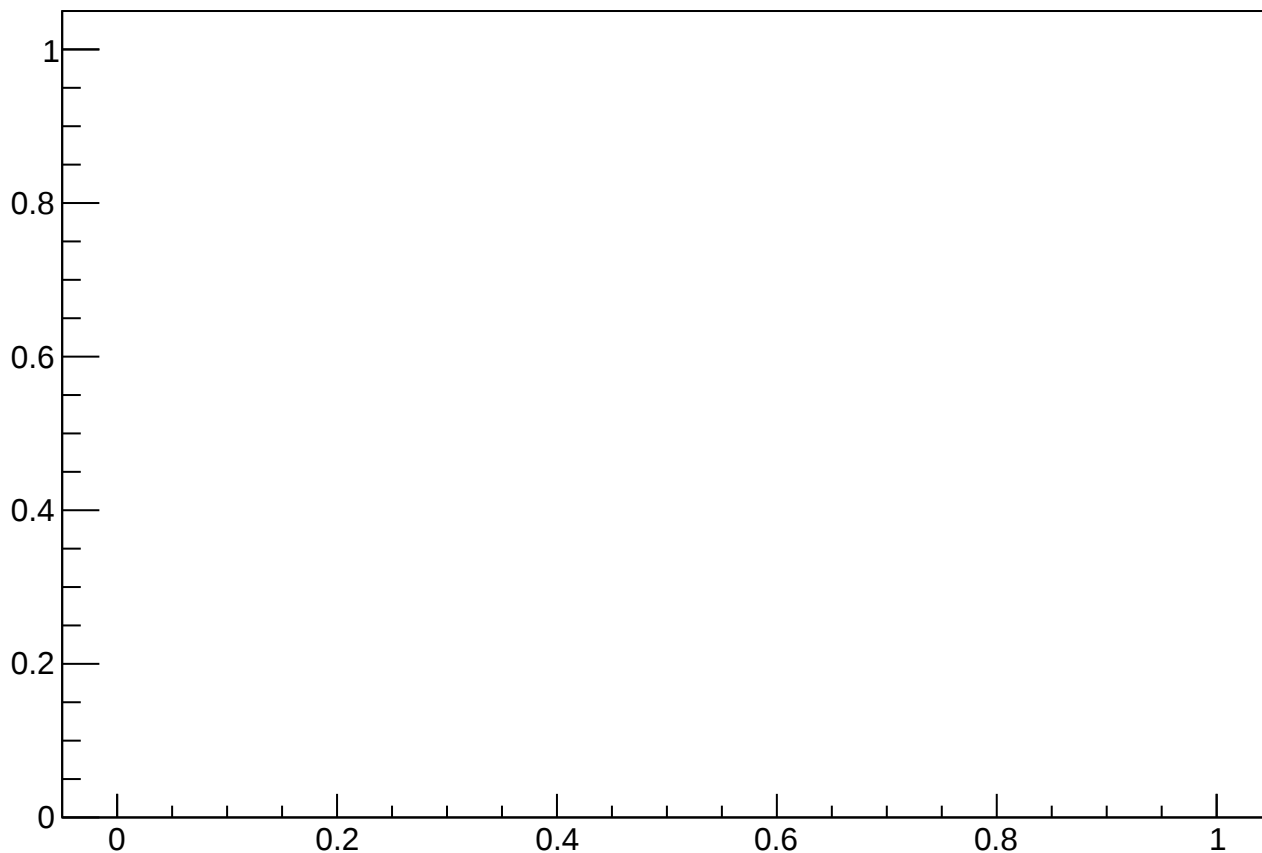
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

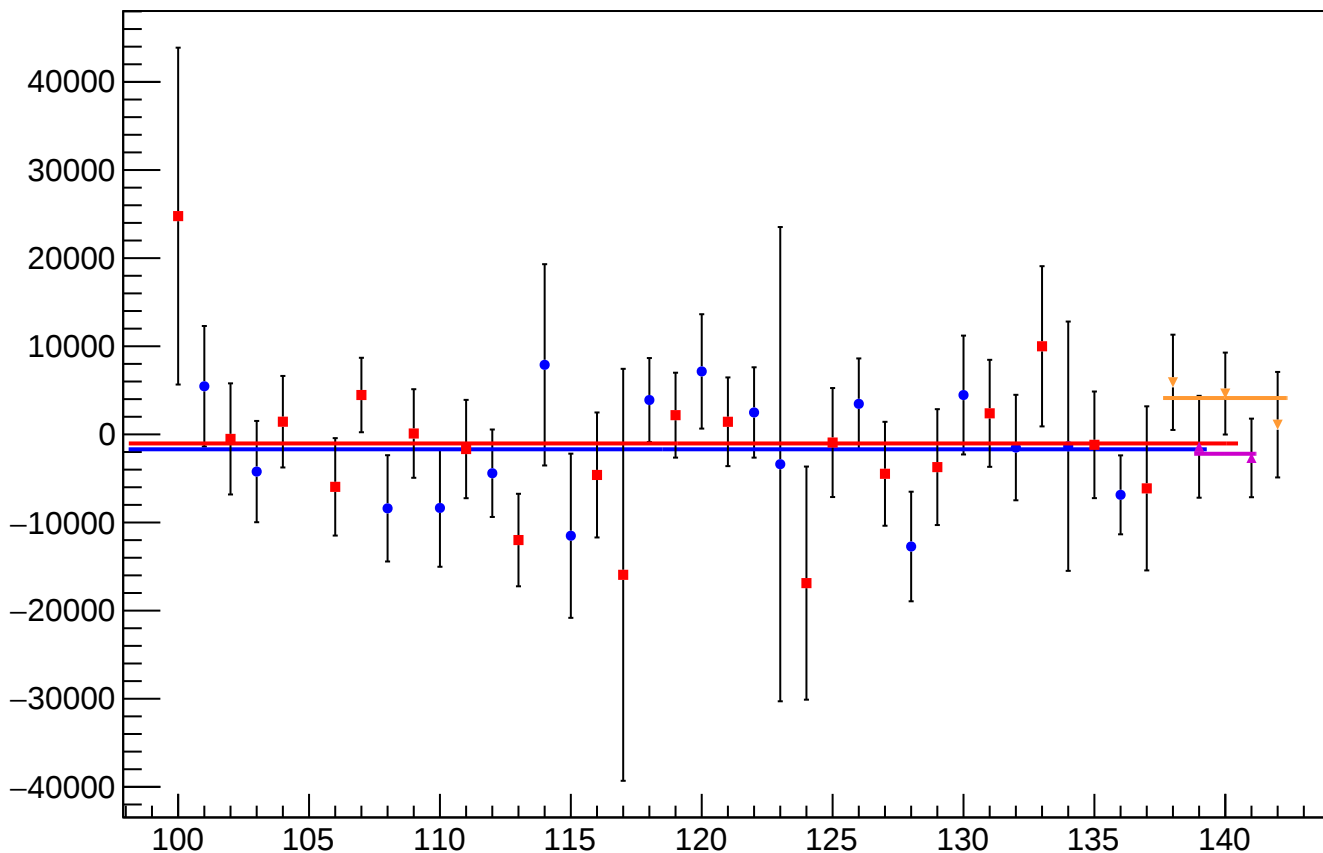
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 4126.379 $\pm$ 3037.328 χ^2 /NDF:0.4/2

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

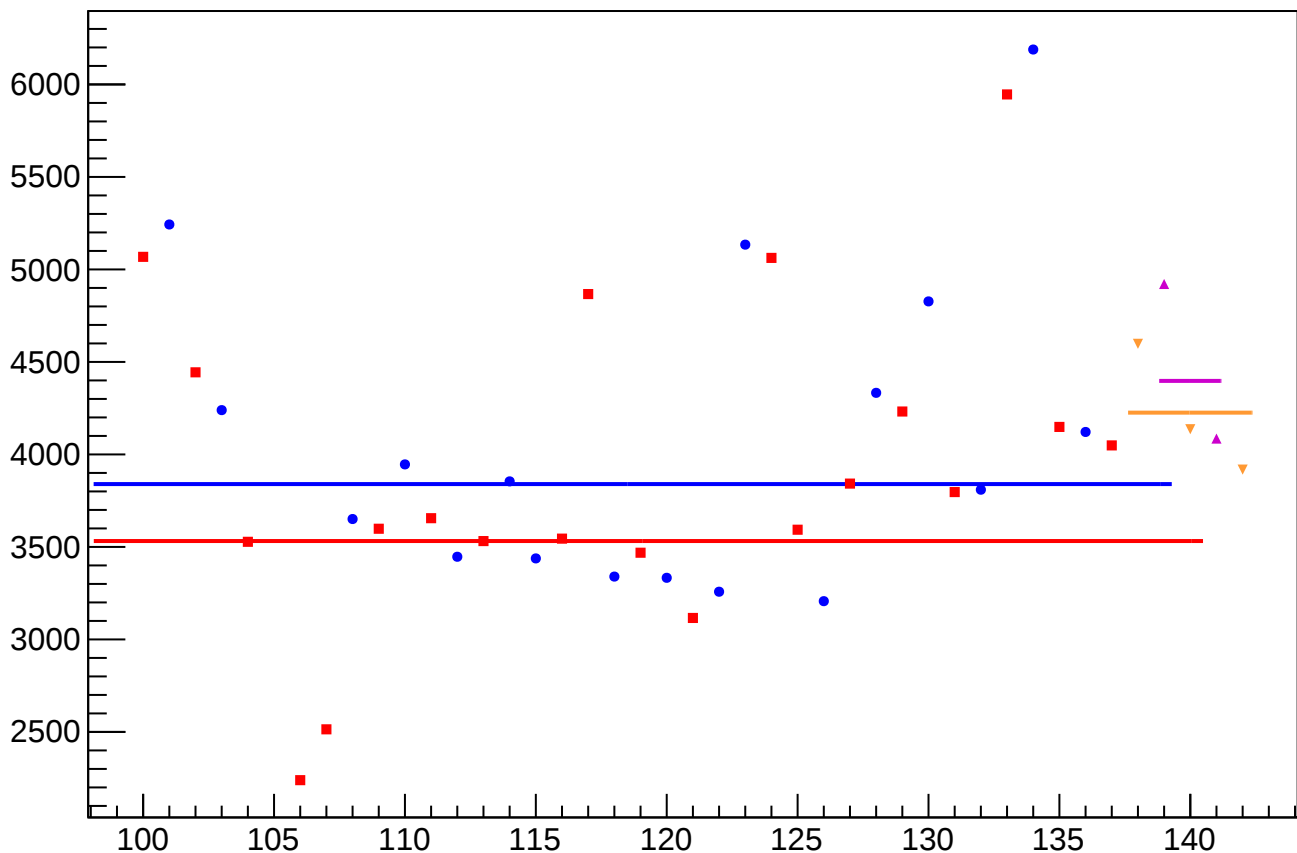
Left In: -2200.024 $\pm$ 3531.036 χ^2 /NDF:0.0/1

-535.829 $\pm$ 1354.231 χ^2 /NDF: 19.2/19

-877.615 $\pm$ 931.184 χ^2 /NDF: 33.8/41

-1184.144 $\pm$ 1282.482 χ^2 /NDF: 14.5/21

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



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

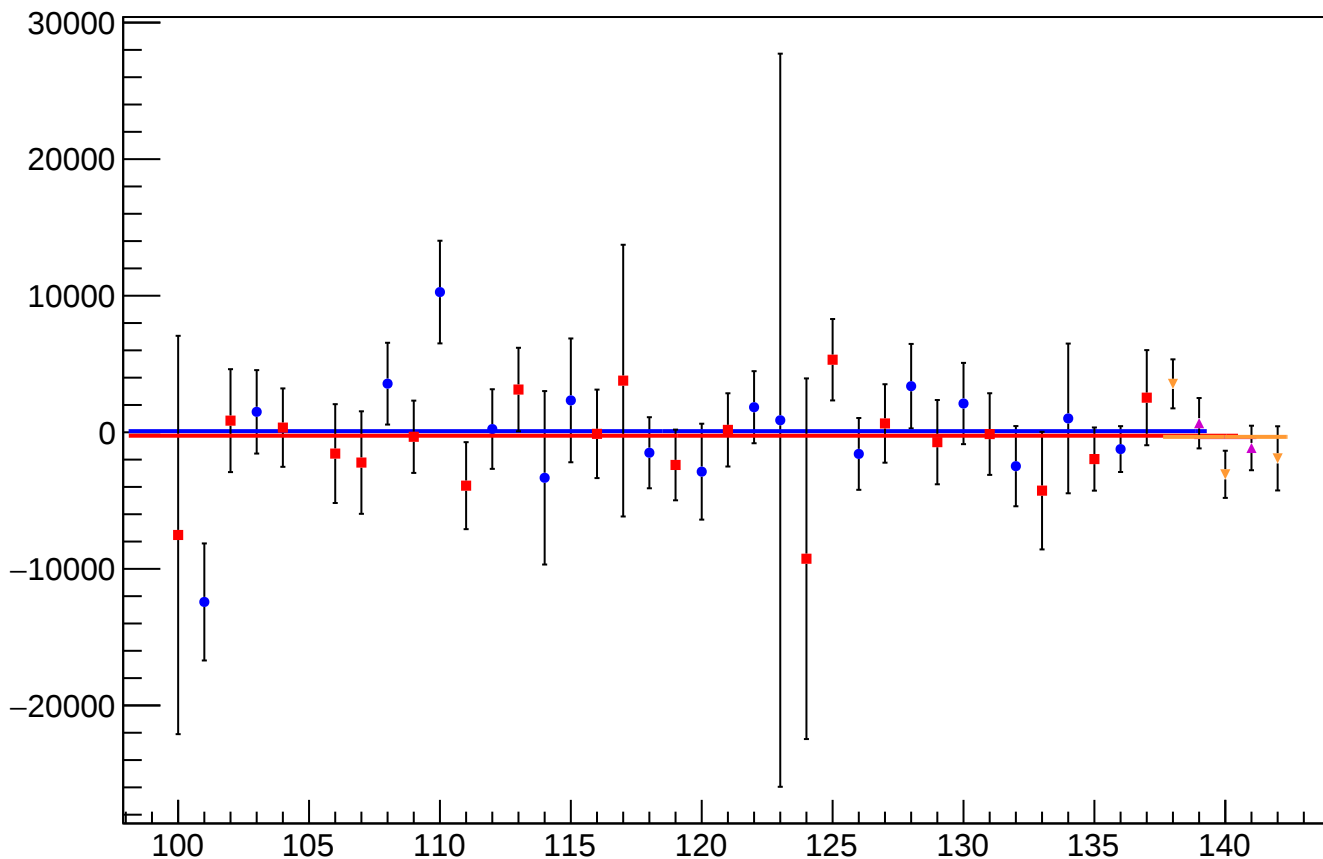
Left In: 4397.493+/-2.497 χ^2/NDF : 26202.3/1

3916.509+/-0.958 χ^2/NDF : 367364.4/19

3771.921+/-0.656 χ^2/NDF : 1102410.3/41

3644.277+/-0.900 χ^2/NDF : 692118.4/21

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -335.111 $\pm$ 1099.601 χ^2 /NDF: 7.6/2

Right Out: -250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

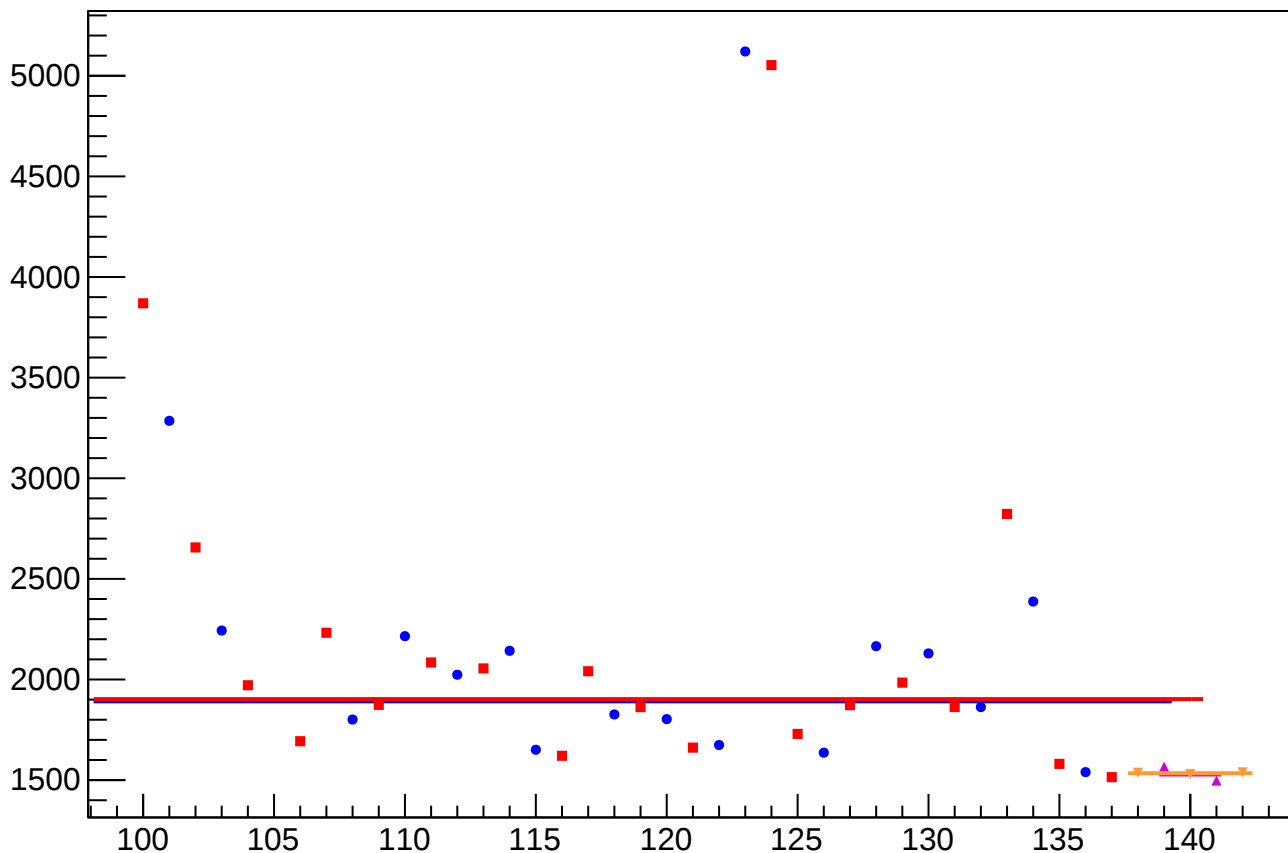
Left In: -352.974 $\pm$ 1221.279 χ^2 /NDF: 0.5/1

-49.299 $\pm$ 619.909 χ^2 /NDF: 30.6/19

-162.064 $\pm$ 441.153 χ^2 /NDF: 41.6/41

-277.769 $\pm$ 627.937 χ^2 /NDF: 10.9/21

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



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

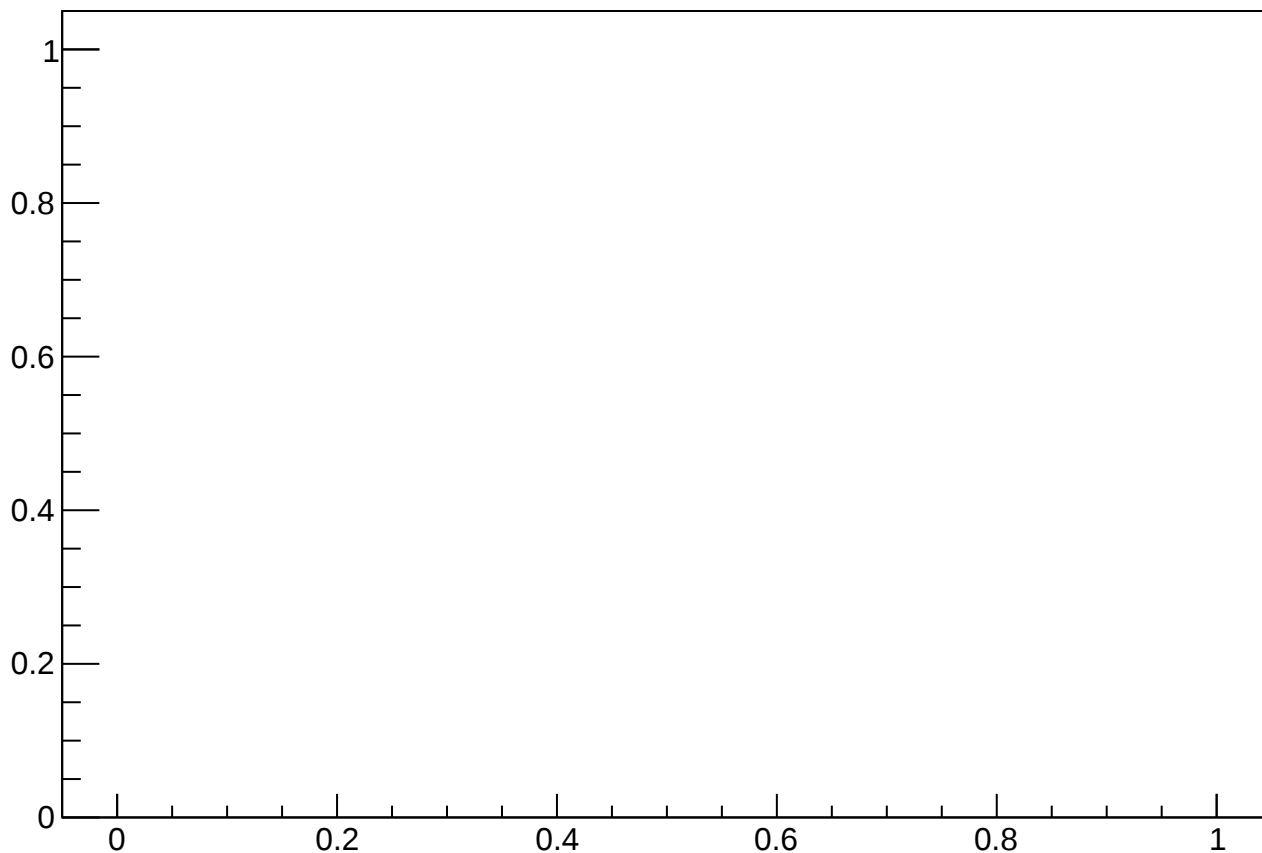
Left In: 1527.957+/-0.864 χ^2/NDF : 1566.9/1

1777.943+/-0.438 χ^2/NDF : 608554.8/19

1790.569+/-0.312 χ^2/NDF : 1211296.5/41

1803.524+/-0.444 χ^2/NDF : 601060.7/21

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

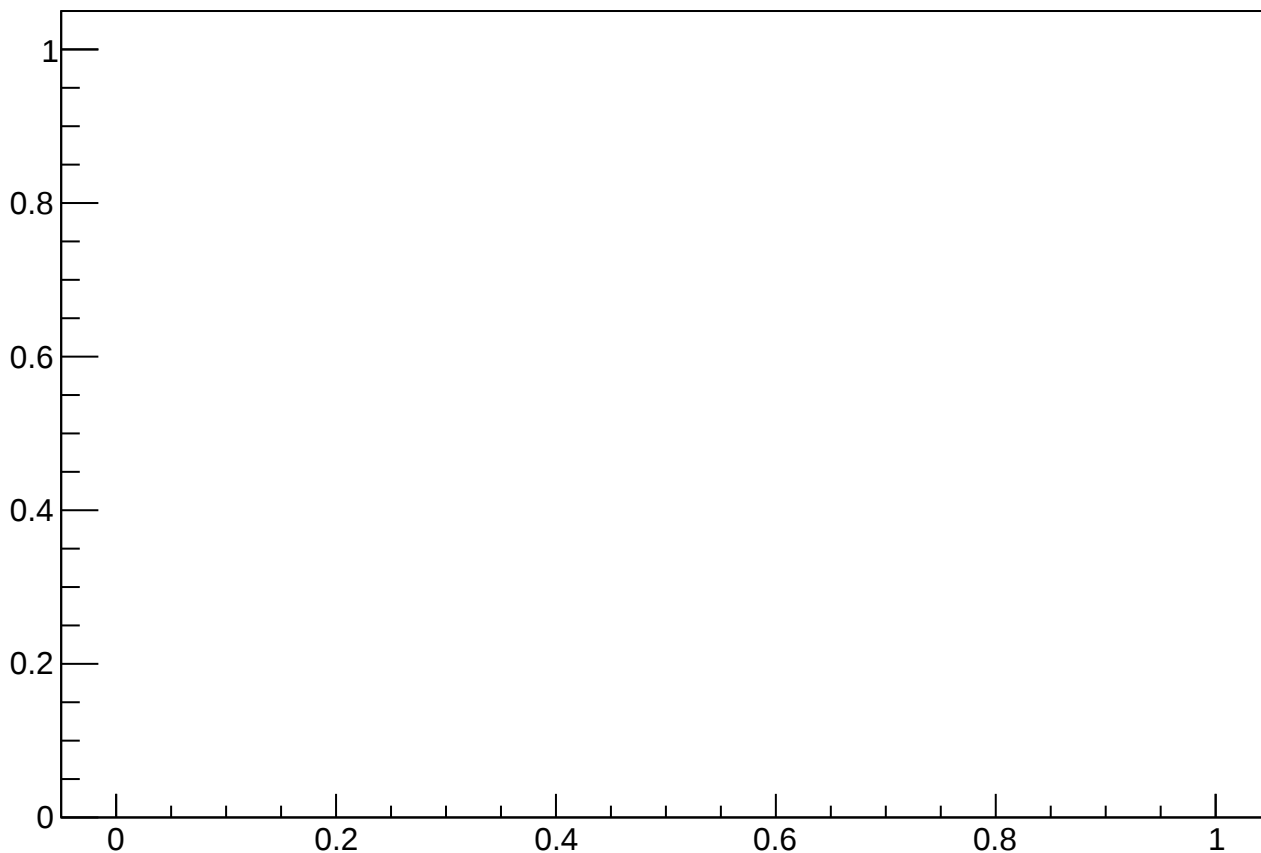
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

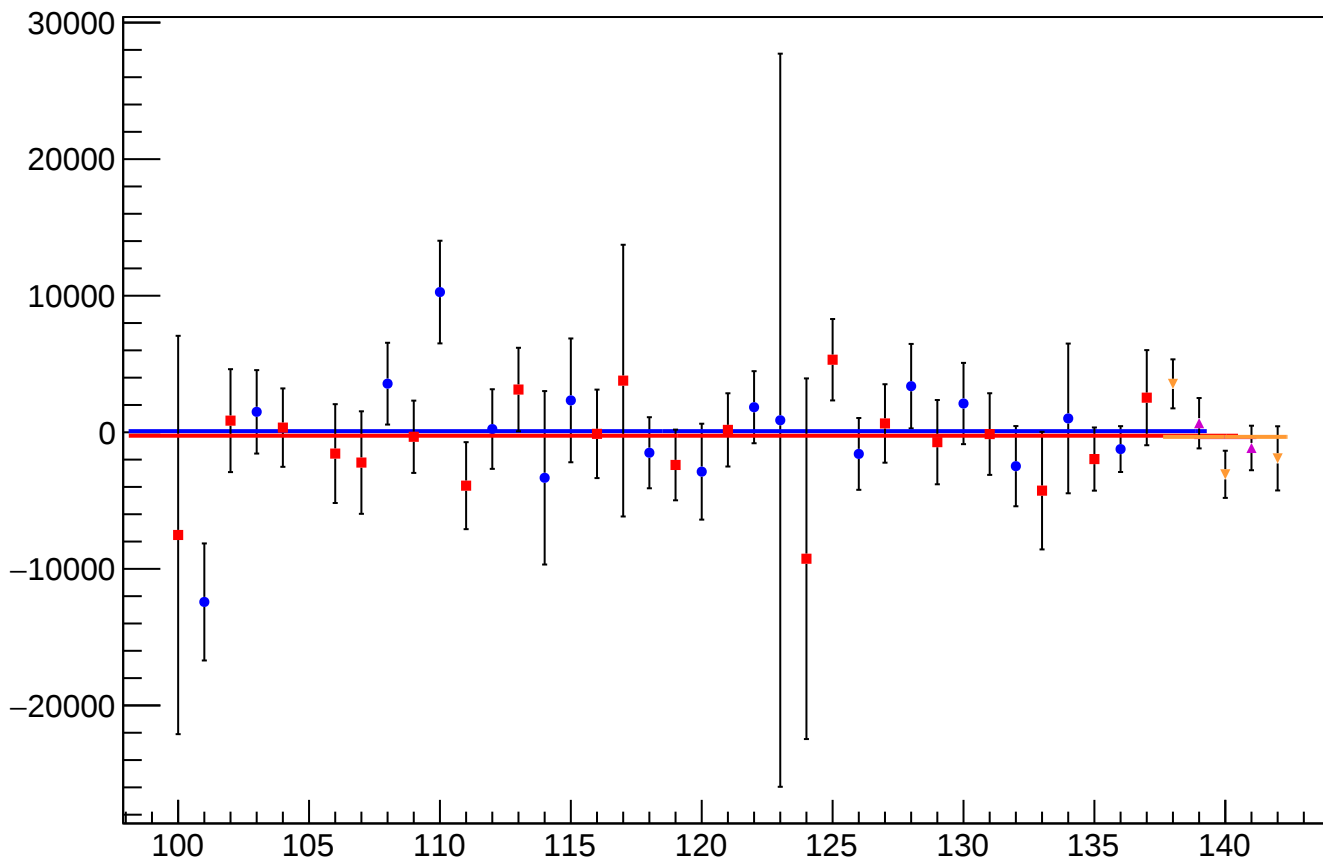
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -335.111 $\pm$ 1099.601 χ^2 /NDF: 7.6/2

Right Out: -250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

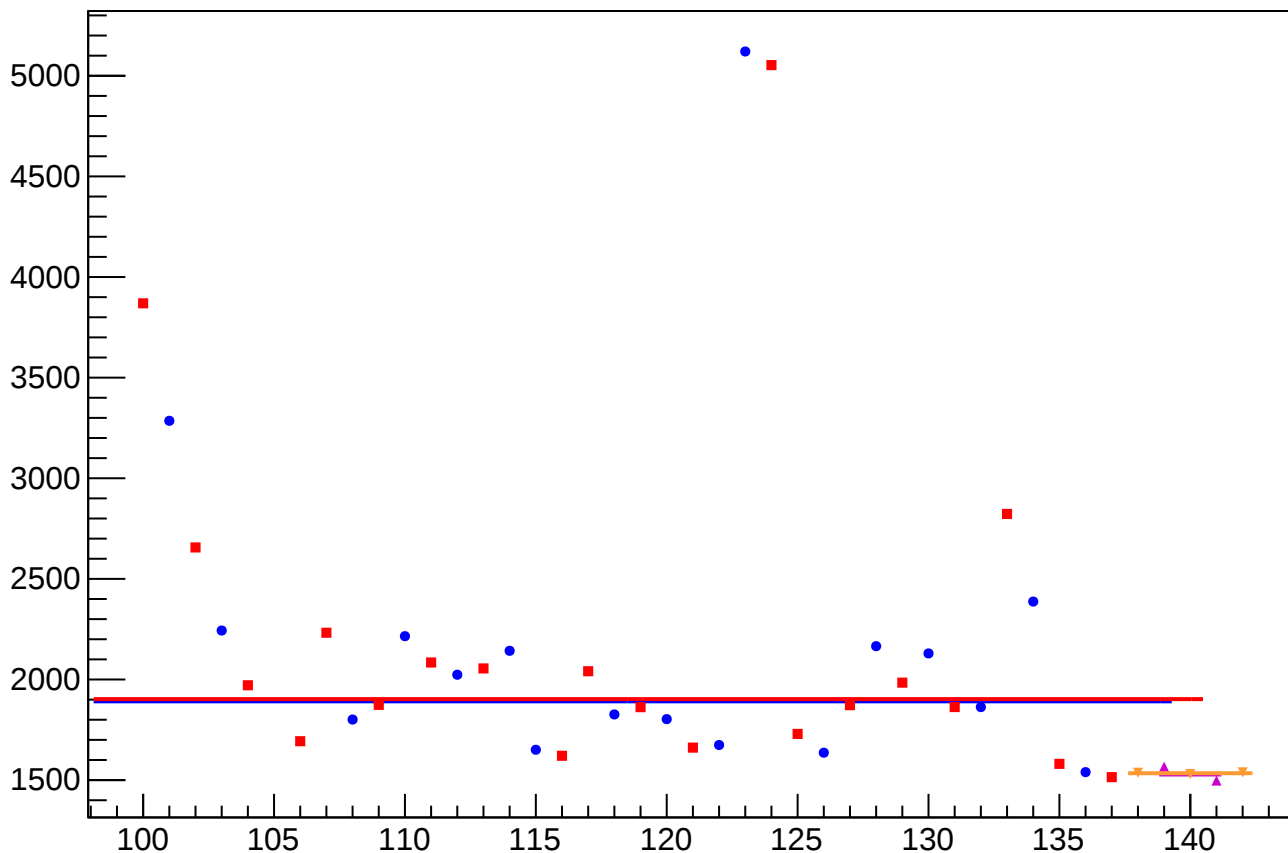
Left In: -352.974 $\pm$ 1221.279 χ^2 /NDF: 0.5/1

-49.299 $\pm$ 619.909 χ^2 /NDF: 30.6/19

-162.064 $\pm$ 441.153 χ^2 /NDF: 41.6/41

-277.769 $\pm$ 627.937 χ^2 /NDF: 10.9/21

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



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

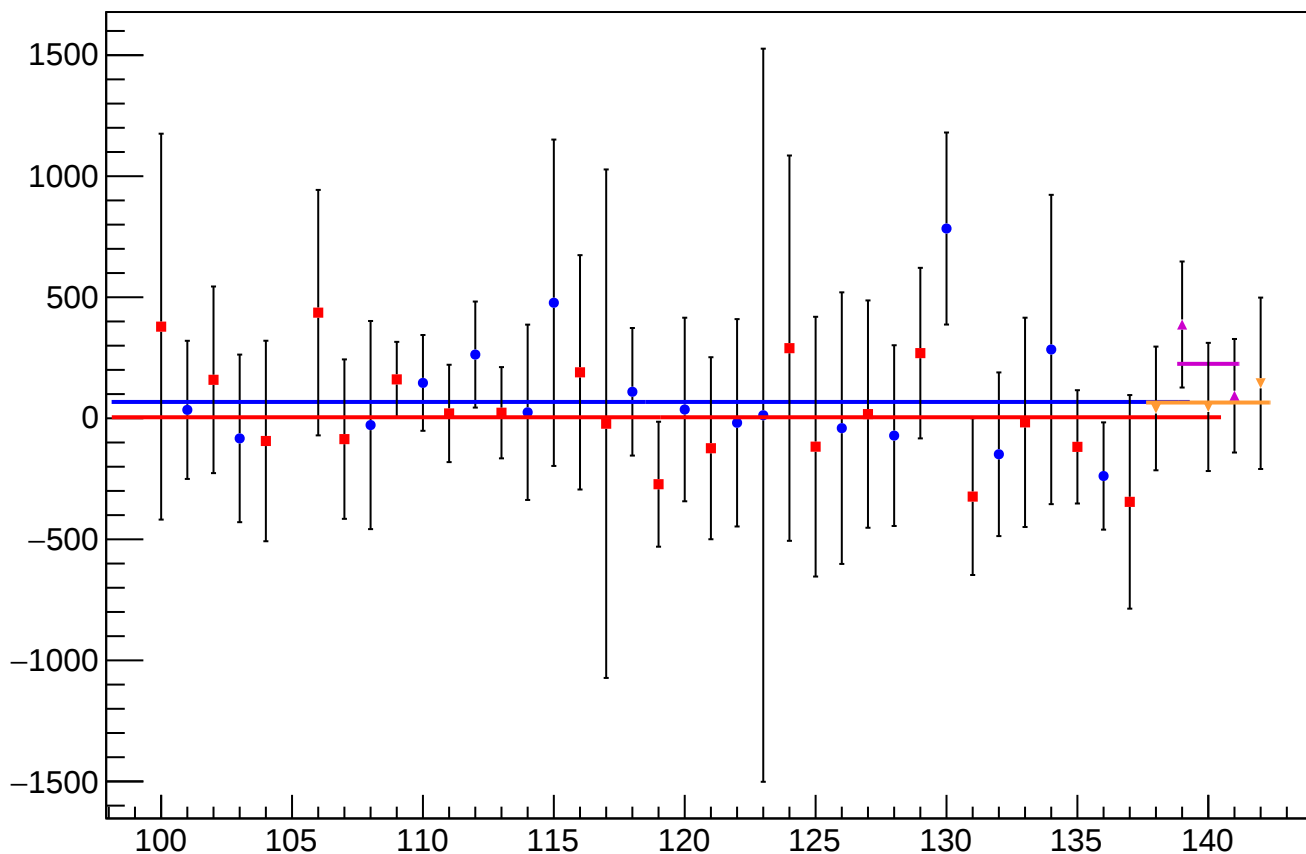
Left In: 1527.957+/-0.864 χ^2/NDF : 1566.9/1

1777.943+/-0.438 χ^2/NDF : 608554.8/19

1790.569+/-0.312 χ^2/NDF : 1211296.5/41

1803.524+/-0.444 χ^2/NDF : 601060.7/21

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

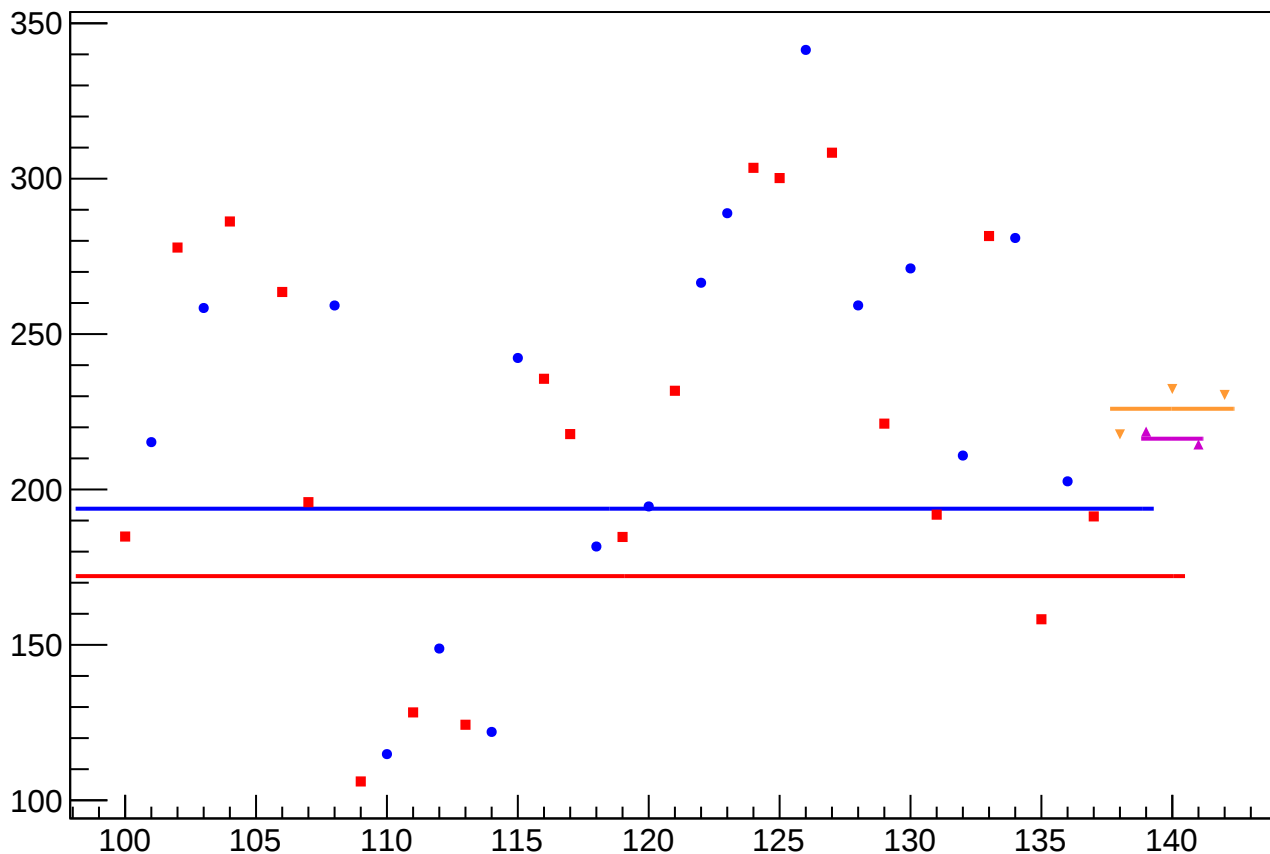
Left In: 224.951 $\pm$ 174.232 χ^2 /NDF: 0.7/1

67.074 $\pm$ 71.545 χ^2 /NDF: 7.6/19

49.386 $\pm$ 48.044 χ^2 /NDF: 16.2/41

34.860 $\pm$ 64.837 χ^2 /NDF: 8.4/21

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 225.968+/-0.115 χ^2/NDF : 3549.1/2

Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

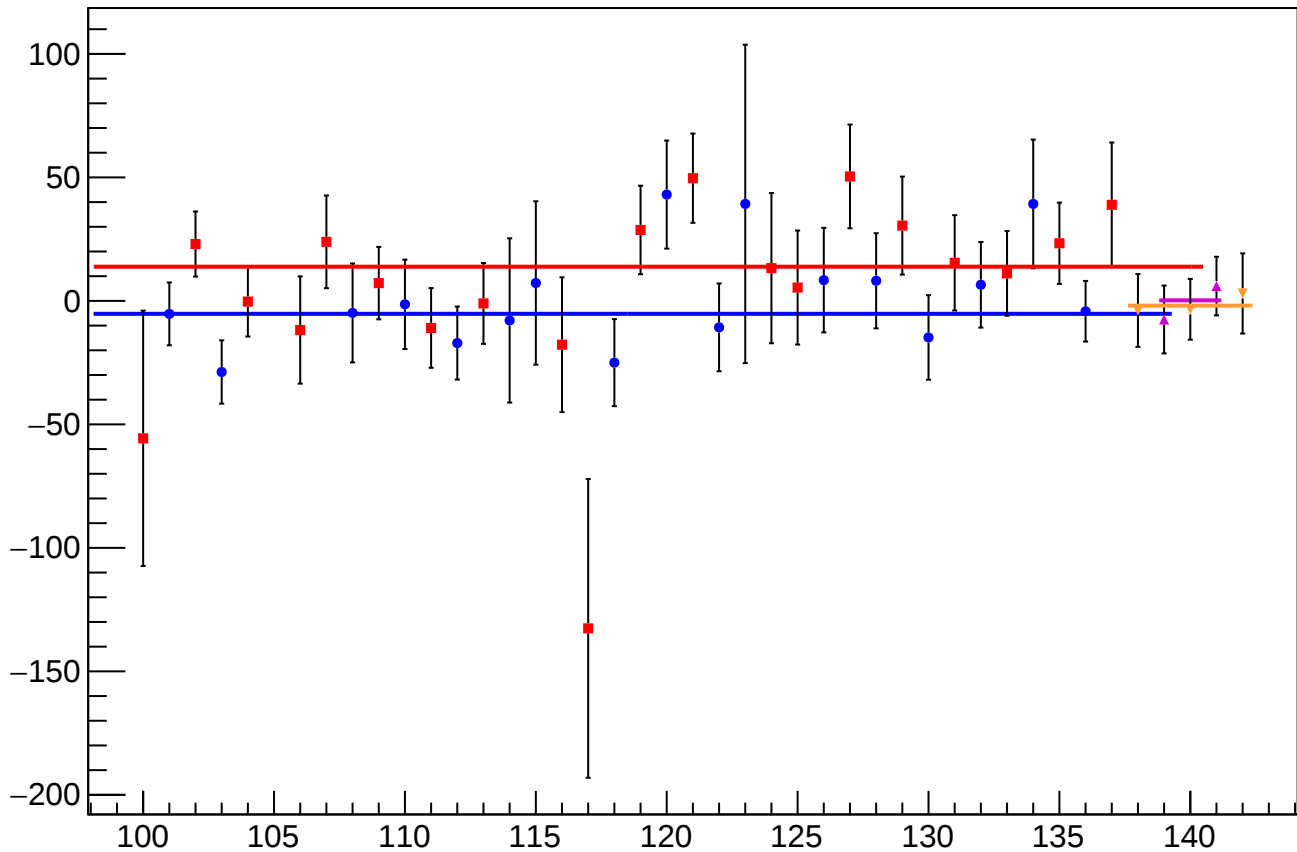
Left In: 216.338+/-0.123 χ^2/NDF : 278.5/1

199.998+/-0.051 χ^2/NDF : 1076614.1/19

188.055+/-0.034 χ^2/NDF : 2870244.0/41

178.246+/-0.046 χ^2/NDF : 1692122.8/21

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

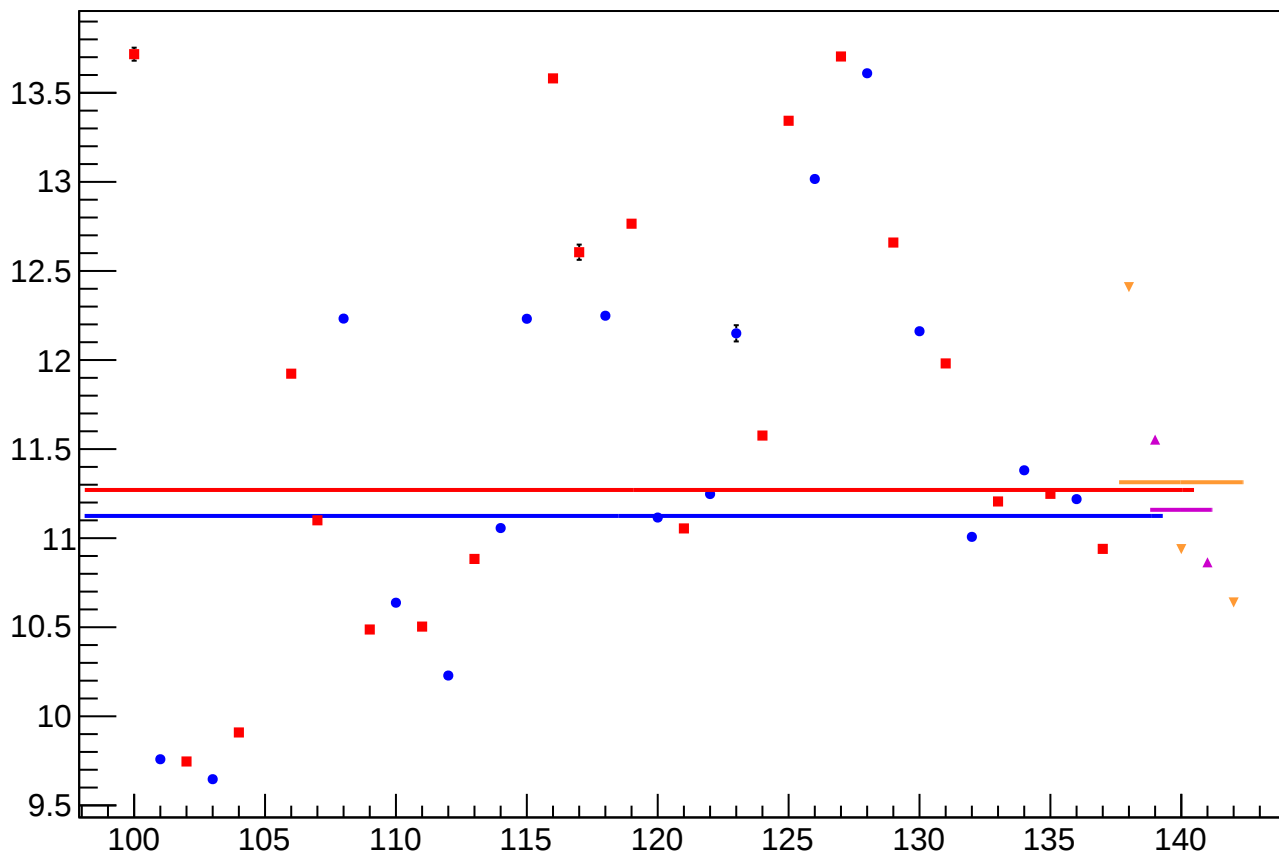
Left In: 0.216+/-8.980 χ^2/NDF : 0.6/1

-4.498+/-3.844 χ^2/NDF : 15.8/19

3.425+/-2.718 χ^2/NDF : 52.1/41

11.352+/-3.845 χ^2/NDF : 27.8/21

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125 ± 0.003 $\chi^2/\text{NDF}: 132520.1/16$

Left Out: 11.314 ± 0.006 $\chi^2/\text{NDF}: 16340.2/2$

Right Out: 11.271 ± 0.003 $\chi^2/\text{NDF}: 148711.4/19$

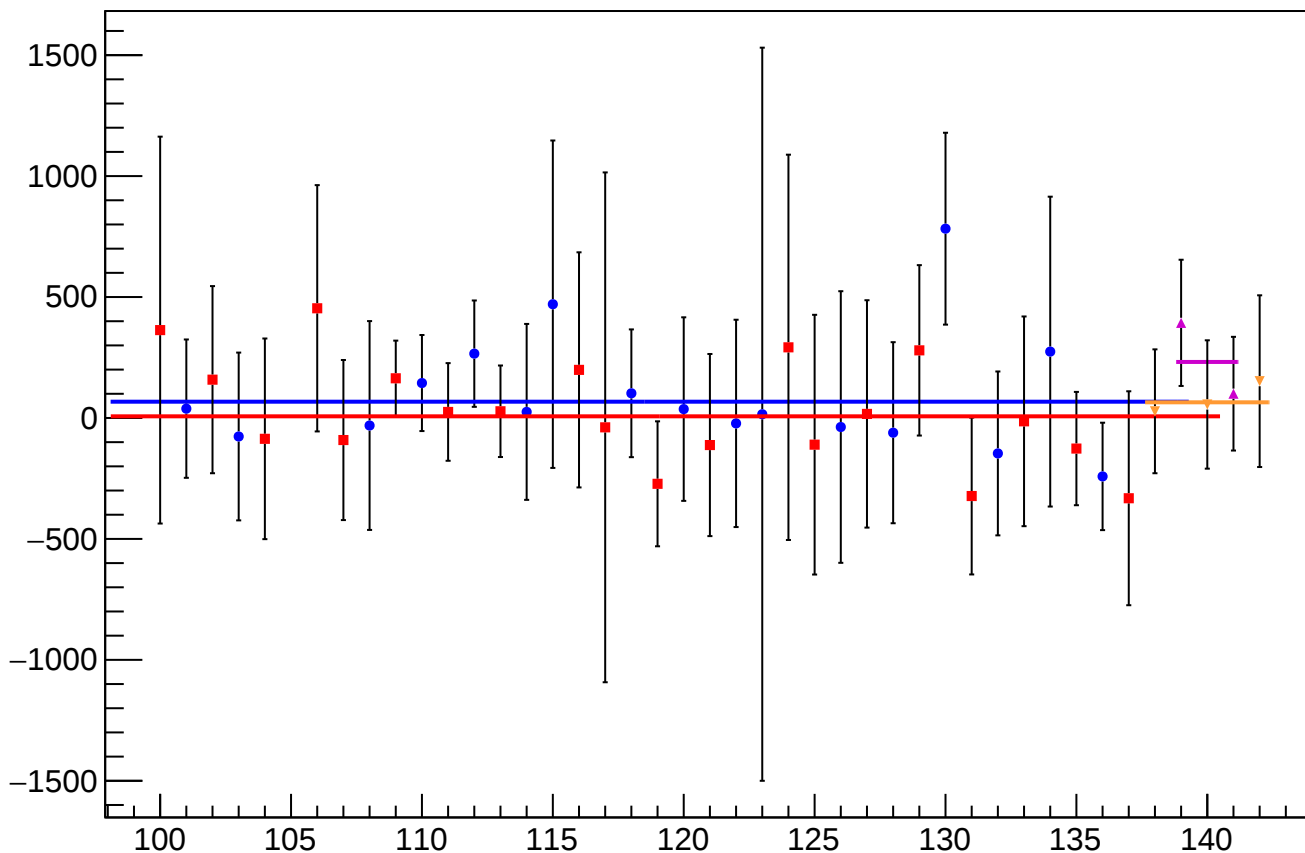
Left In: 11.159 ± 0.006 $\chi^2/\text{NDF}: 2880.0/1$

11.167 ± 0.003 $\chi^2/\text{NDF}: 149695.1/19$

11.208 ± 0.002 $\chi^2/\text{NDF}: 302009.4/41$

11.250 ± 0.003 $\chi^2/\text{NDF}: 151842.9/21$

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



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

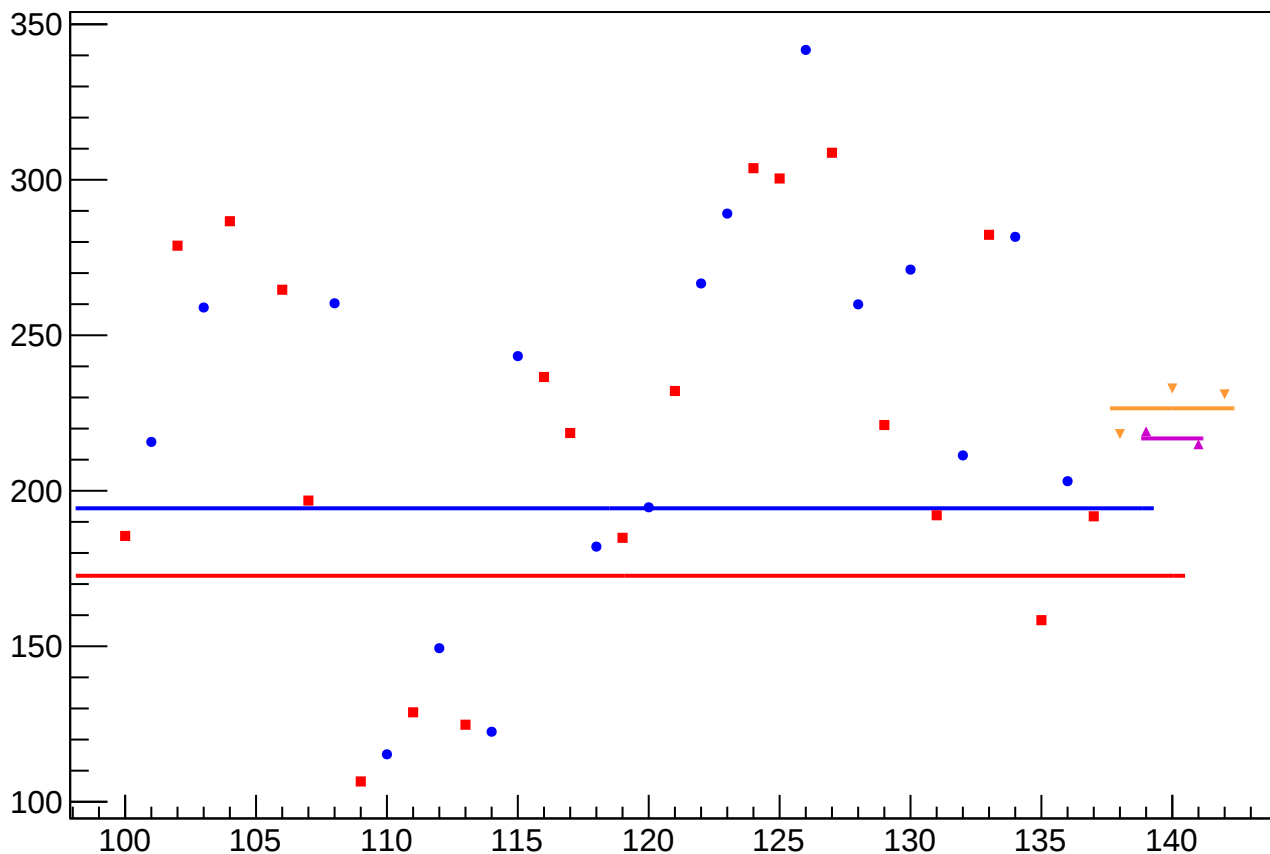
Left In: 231.617+/-174.629 χ^2/NDF : 0.7/1

66.812+/-71.730 χ^2/NDF : 7.6/19

50.995+/-48.174 χ^2/NDF : 16.2/41

37.998+/-65.020 χ^2/NDF : 8.6/21

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



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

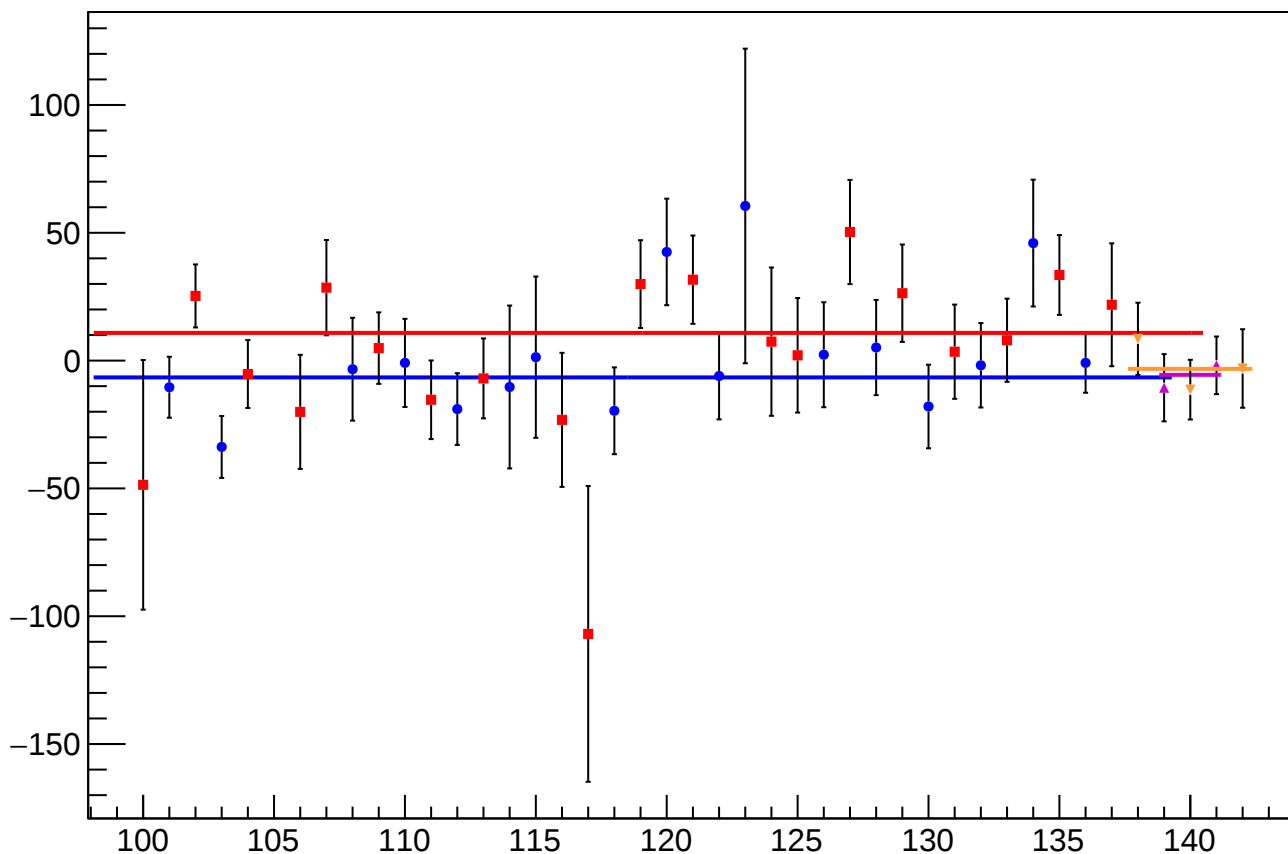
Left In: 216.831 $\pm$ 0.123 χ^2 /NDF: 278.5/1

200.548 $\pm$ 0.051 χ^2 /NDF: 1071187.1/19

188.608 $\pm$ 0.034 χ^2 /NDF: 2856026.9/41

178.796 $\pm$ 0.046 χ^2 /NDF: 1683880.7/21

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

Left Out: -3.230 ± 7.763 χ^2/NDF : 1.2/2

Right Out: 10.838 ± 4.070 χ^2/NDF : 27.1/19

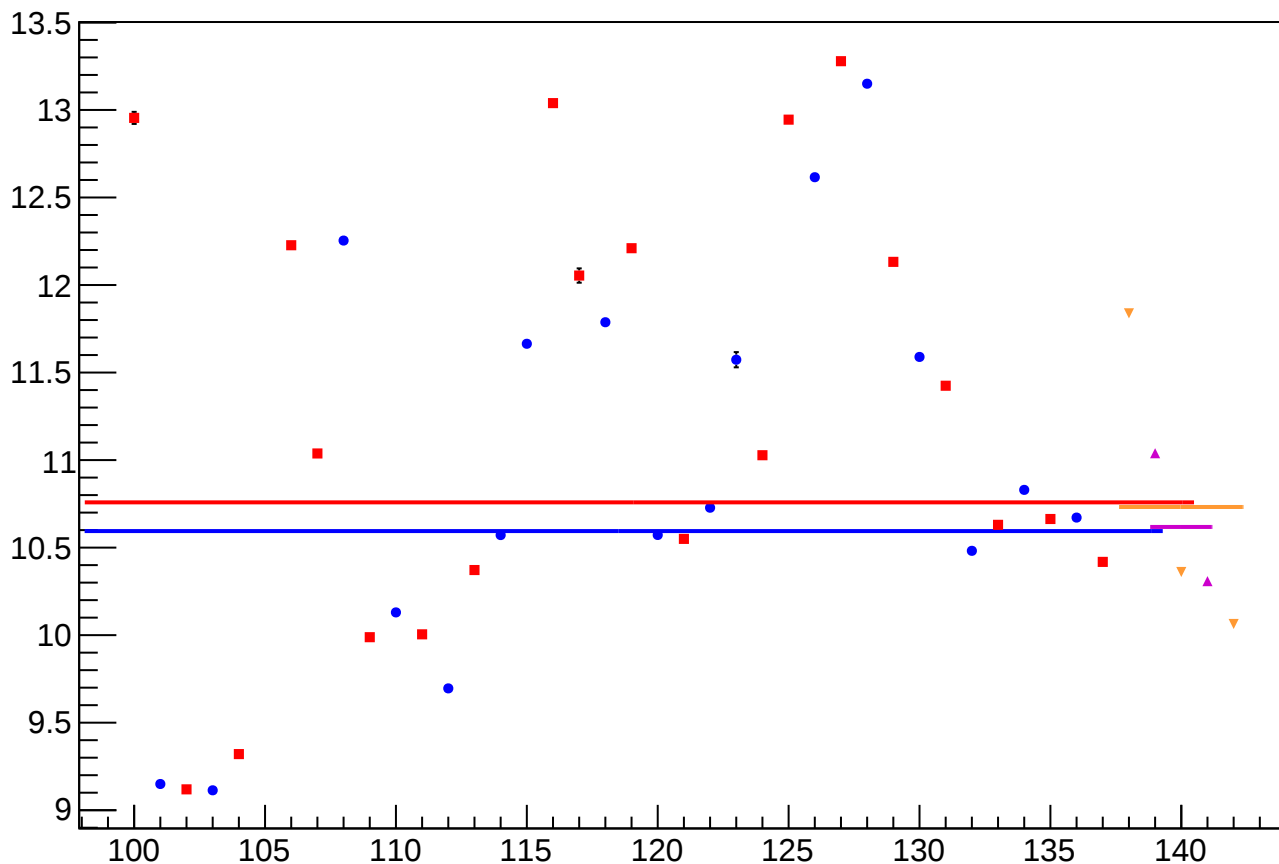
Left In: -5.563 ± 8.556 χ^2/NDF : 0.3/1

-5.830 ± 3.665 χ^2/NDF : 20.7/19

0.972 ± 2.595 χ^2/NDF : 57.9/41

7.812 ± 3.675 χ^2/NDF : 30.4/21

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



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

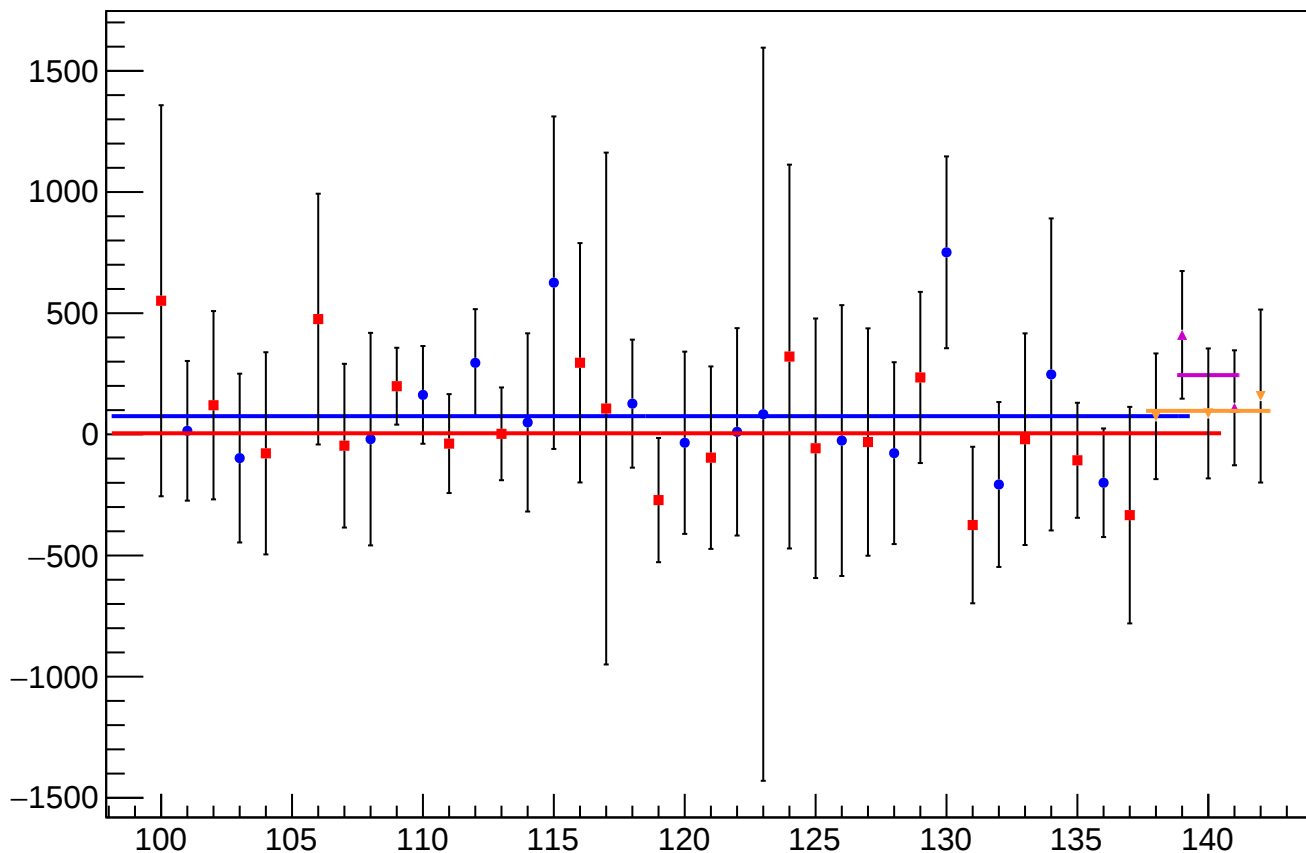
Left In: 10.618 $\pm$ 0.006 χ^2 /NDF:3561.4/1

10.625 $\pm$ 0.003 χ^2 /NDF: 178642.1/19

10.679 $\pm$ 0.002 χ^2 /NDF: 361680.5/41

10.733 $\pm$ 0.003 χ^2 /NDF: 182181.6/21

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

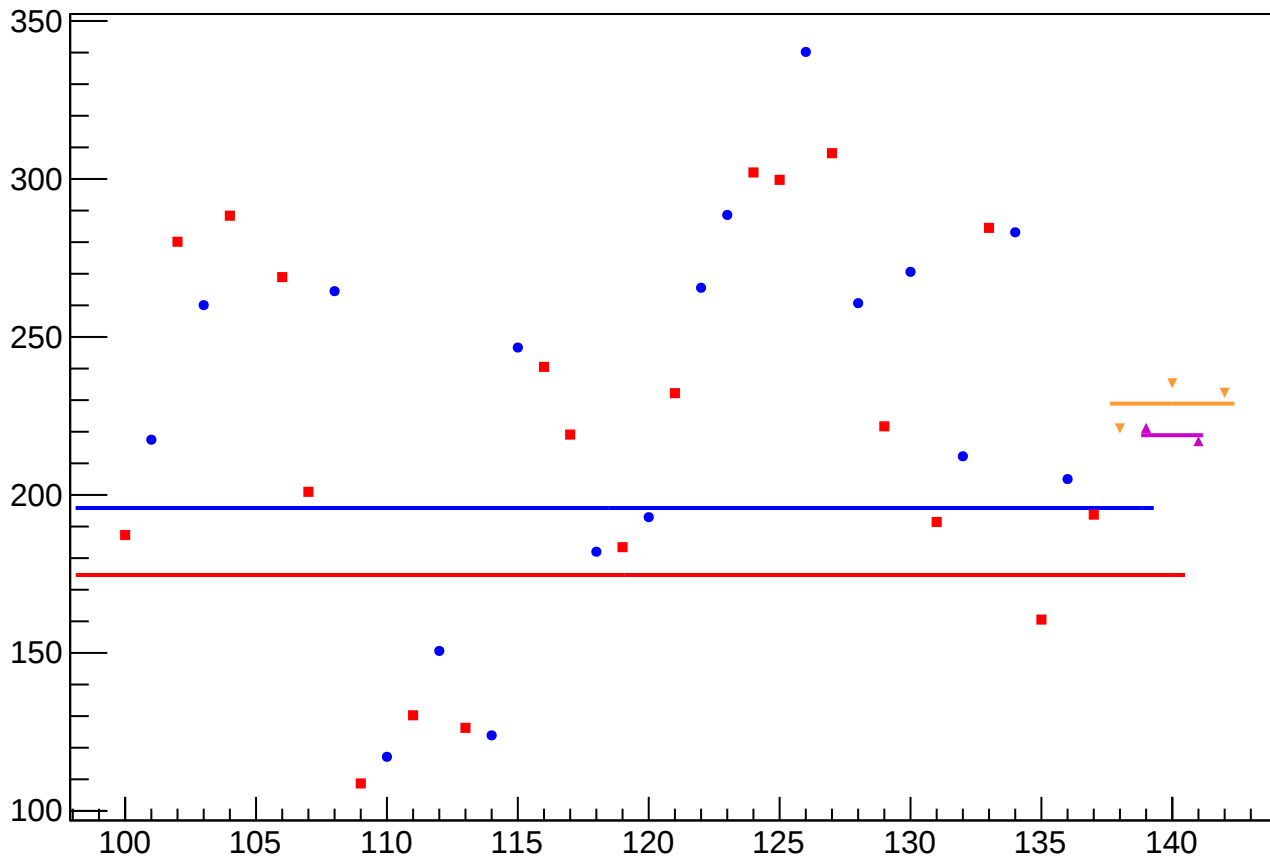
Left In: 244.460 $\pm$ 176.277 χ^2 /NDF: 0.7/1

79.269 $\pm$ 72.261 χ^2 /NDF: 7.7/19

56.512 $\pm$ 48.586 χ^2 /NDF: 17.6/41

37.735 $\pm$ 65.638 χ^2 /NDF: 9.7/21

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

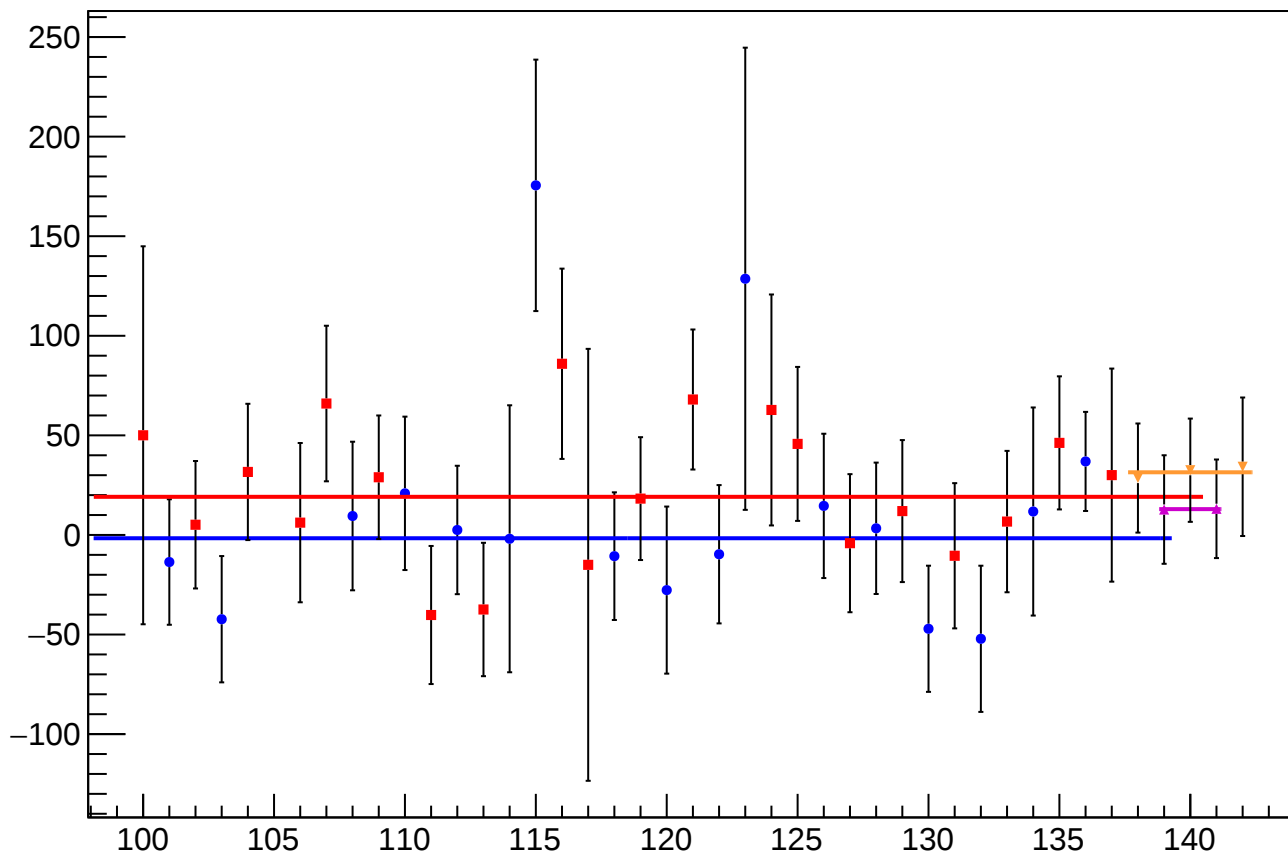
Left In: 218.905 $\pm$ 0.125 χ^2 /NDF:280.8/1

202.186 $\pm$ 0.051 χ^2 /NDF: 1047052.1/19

190.468 $\pm$ 0.034 χ^2 /NDF: 2784157.9/41

180.799 $\pm$ 0.046 χ^2 /NDF: 1641117.8/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

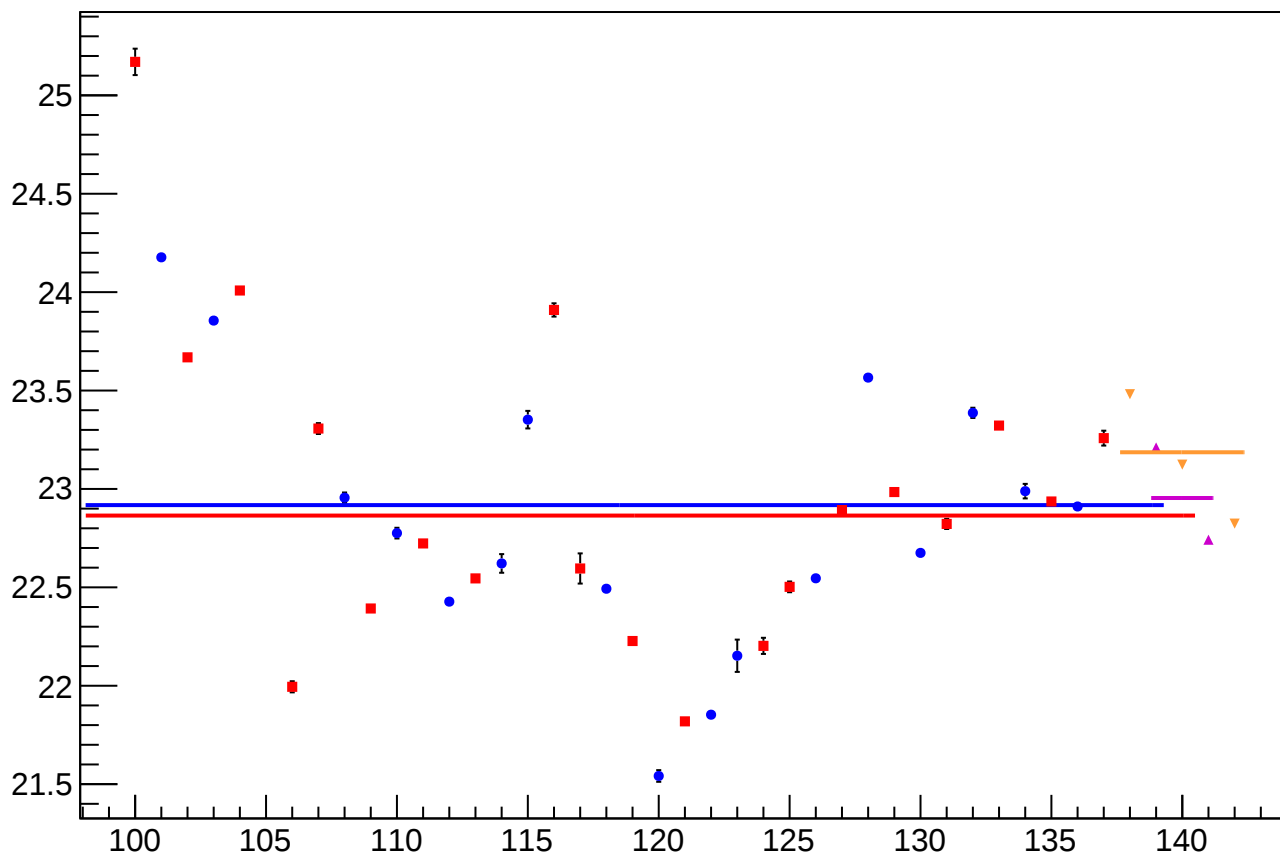
Left In: 12.966 ± 18.320 χ^2/NDF : 0.0/1

5.744 ± 7.826 χ^2/NDF : 21.7/19

11.969 ± 5.500 χ^2/NDF : 37.9/41

18.044 ± 7.732 χ^2/NDF : 15.0/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

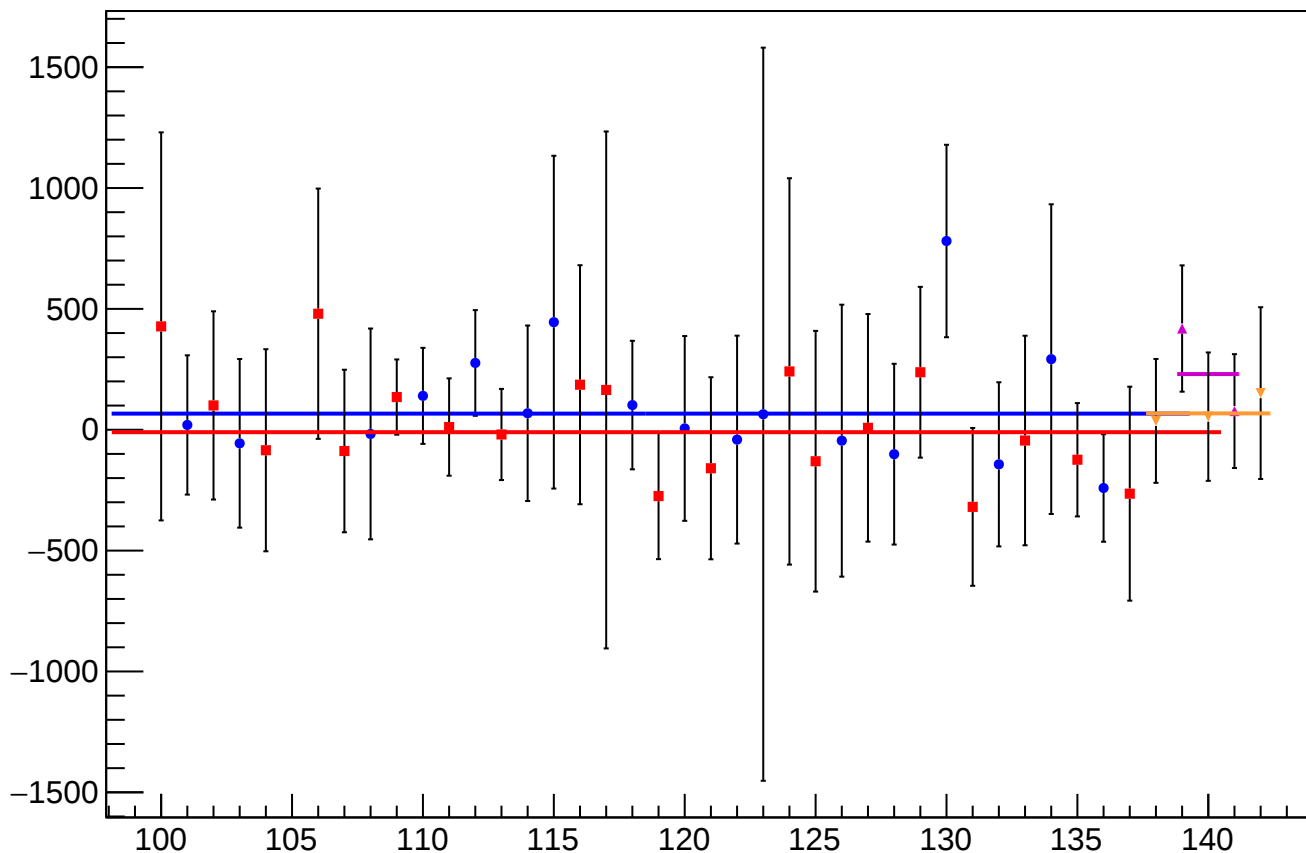
Left In: 22.954+/-0.013 χ^2/NDF : 324.3/1

22.978+/-0.006 χ^2/NDF : 12341.9/19

22.929+/-0.004 χ^2/NDF : 23926.4/41

22.881+/-0.005 χ^2/NDF : 11428.3/21

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

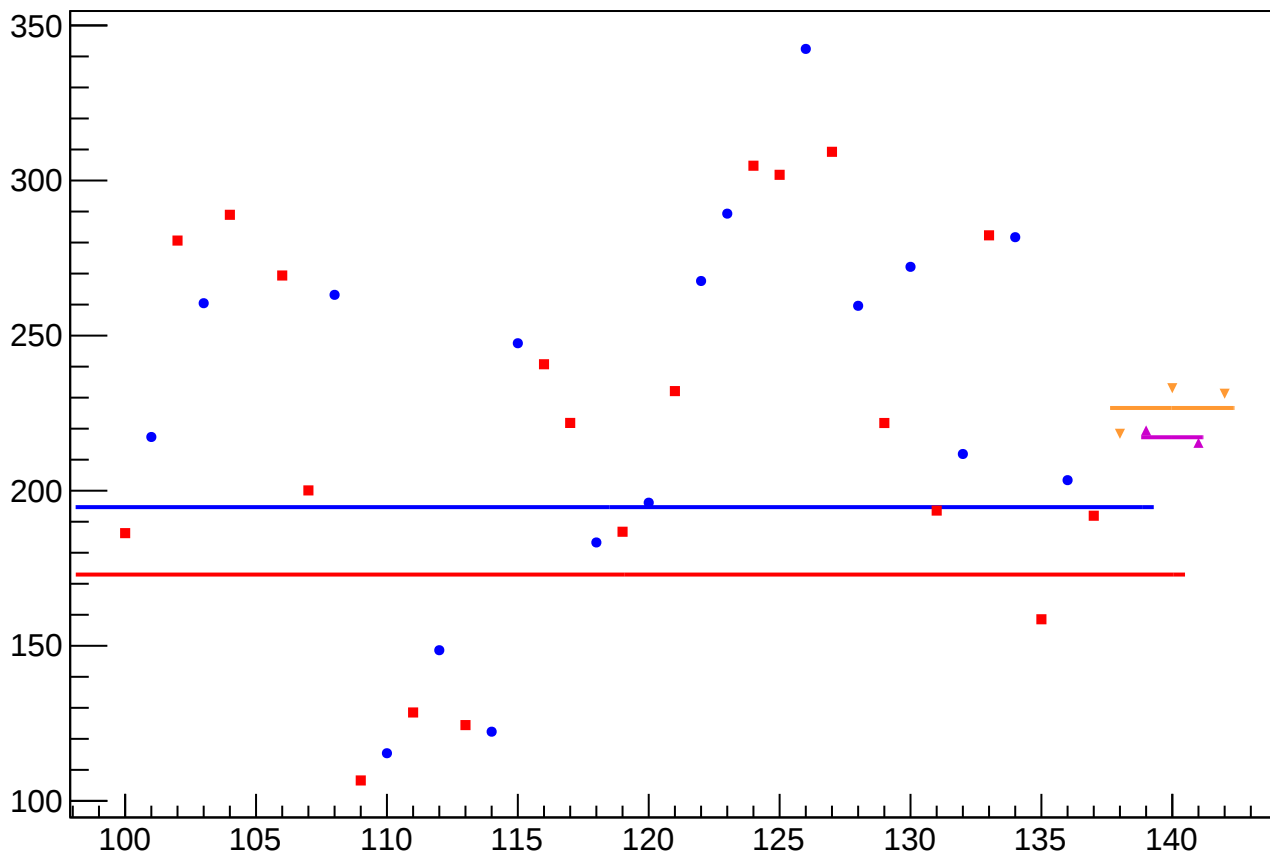
Left In: 230.336+/-174.945 χ^2/NDF : 0.9/1

66.893+/-71.869 χ^2/NDF : 7.6/19

42.952+/-48.280 χ^2/NDF : 16.1/41

23.262+/-65.178 χ^2/NDF : 8.3/21

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 226.671+/-0.116 χ^2/NDF : 3598.2/2

Right Out: 172.965+/-0.050 χ^2/NDF : 1601142.0/19

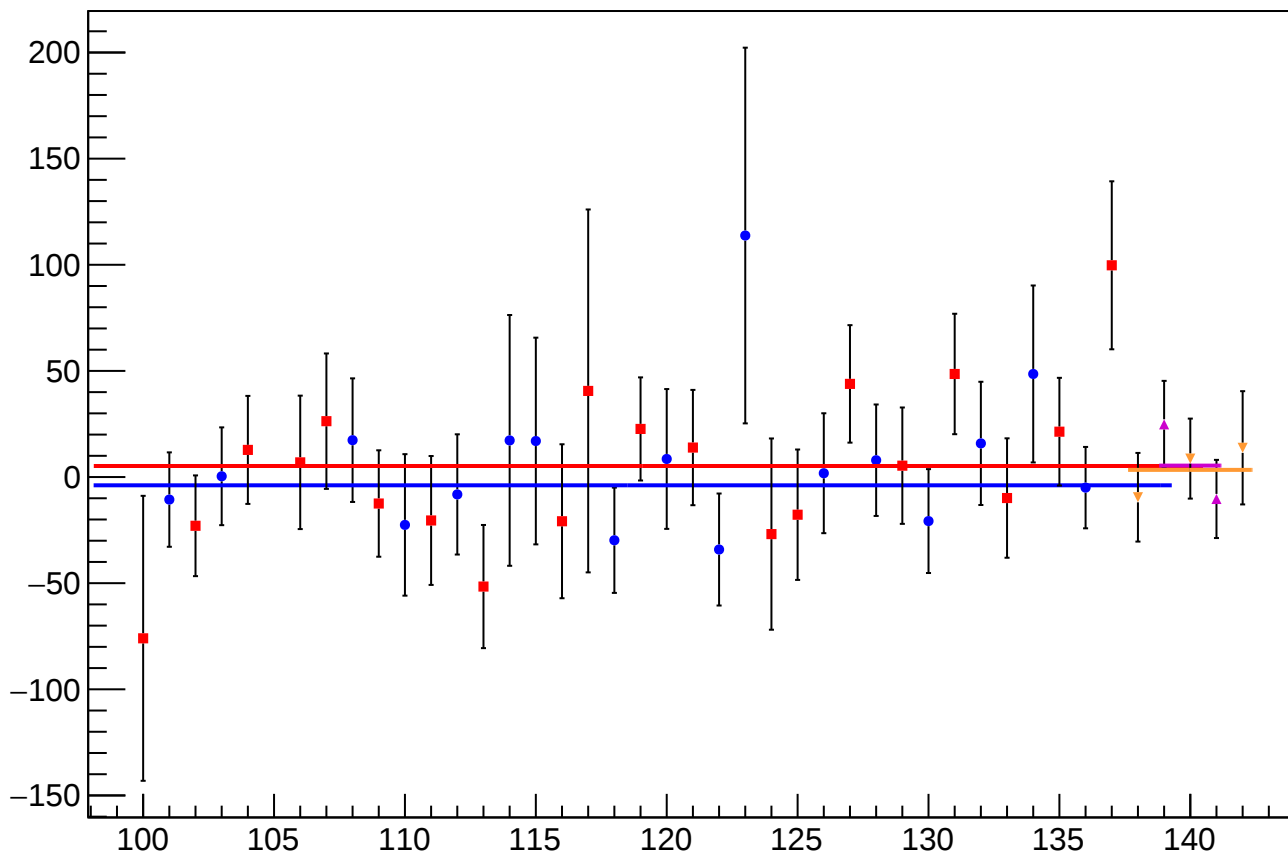
Left In: 217.231+/-0.124 χ^2/NDF : 257.4/1

200.868+/-0.051 χ^2/NDF : 1085065.9/19

188.929+/-0.034 χ^2/NDF : 2897325.9/41

179.109+/-0.046 χ^2/NDF : 1711674.5/21

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

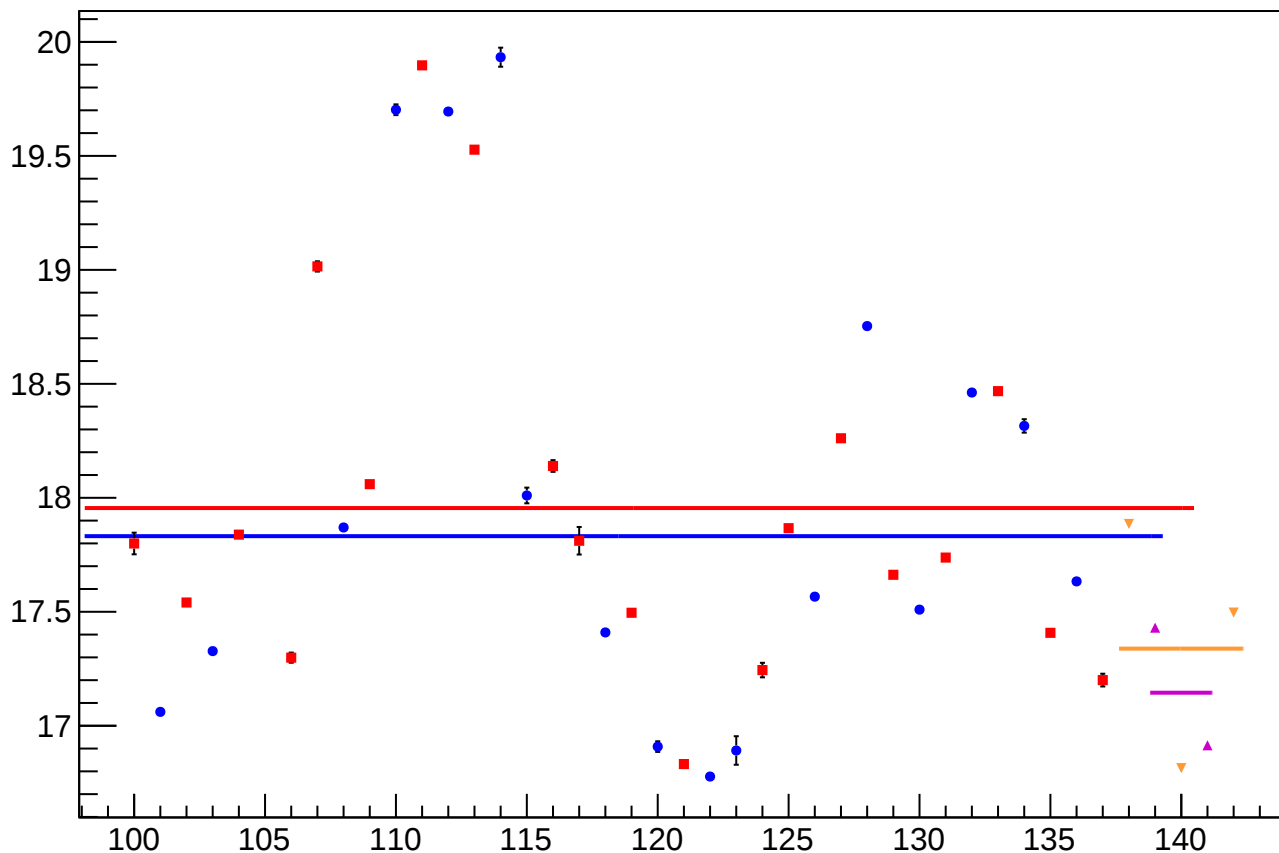
Left In: 5.383 ± 13.694 χ^2/NDF : 1.6/1

-2.168 ± 6.038 χ^2/NDF : 9.3/19

1.545 ± 4.264 χ^2/NDF : 33.2/41

5.238 ± 6.023 χ^2/NDF : 23.1/21

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

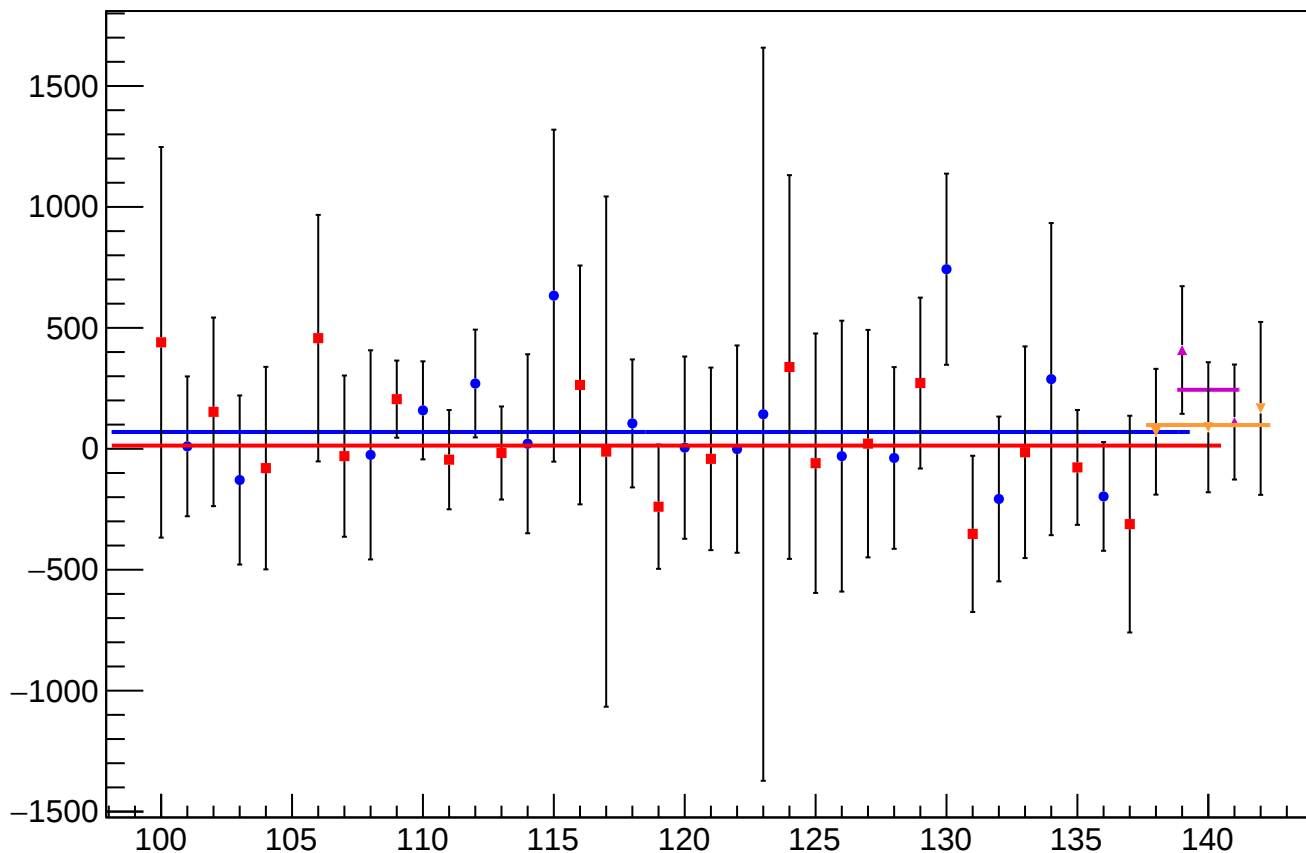
Left In: 17.145 $\pm$ 0.010 χ^2 /NDF:702.0/1

17.715 $\pm$ 0.004 χ^2 /NDF: 36270.9/19

17.757 $\pm$ 0.003 χ^2 /NDF: 68266.0/41

17.798 $\pm$ 0.004 χ^2 /NDF: 31802.1/21

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

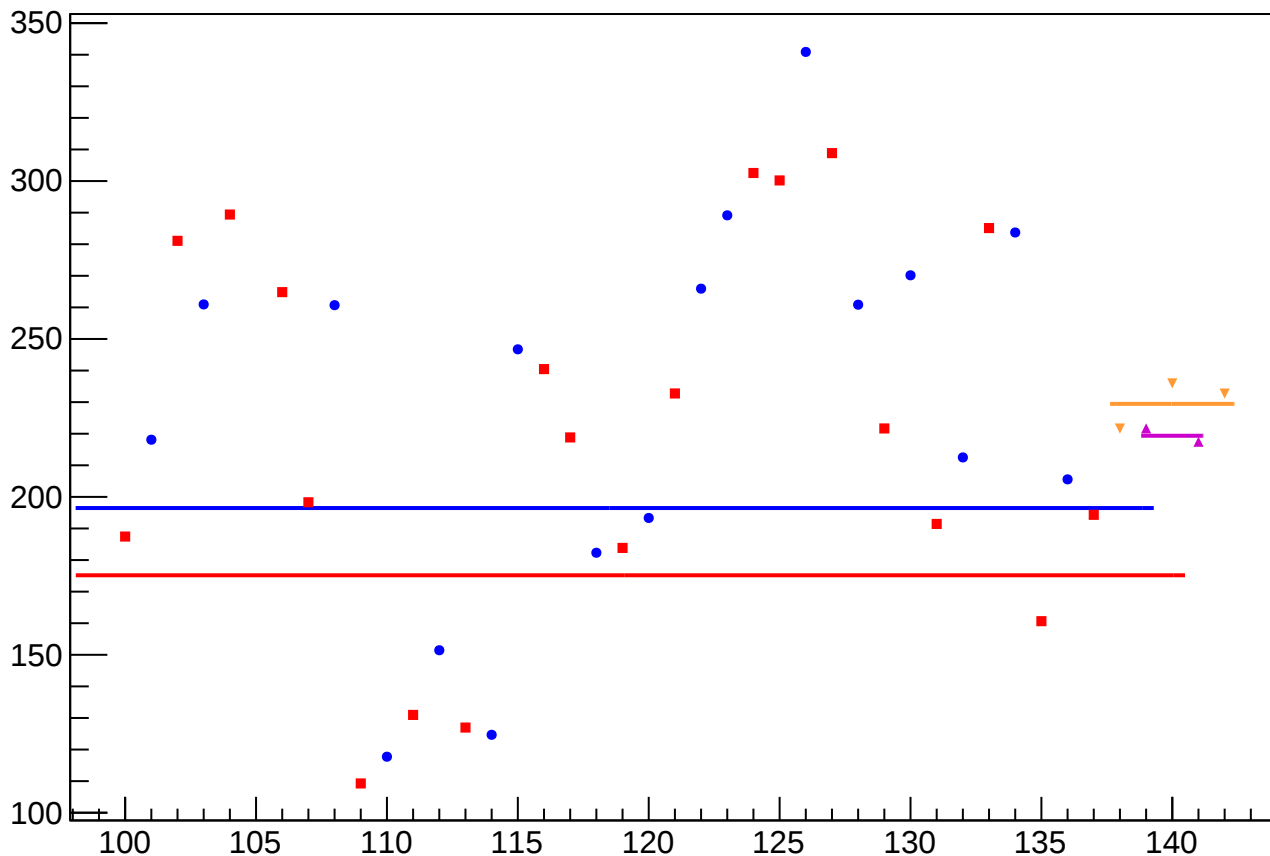
Left In: 244.039+/-176.641 χ^2/NDF : 0.7/1

75.019+/-72.439 χ^2/NDF : 7.5/19

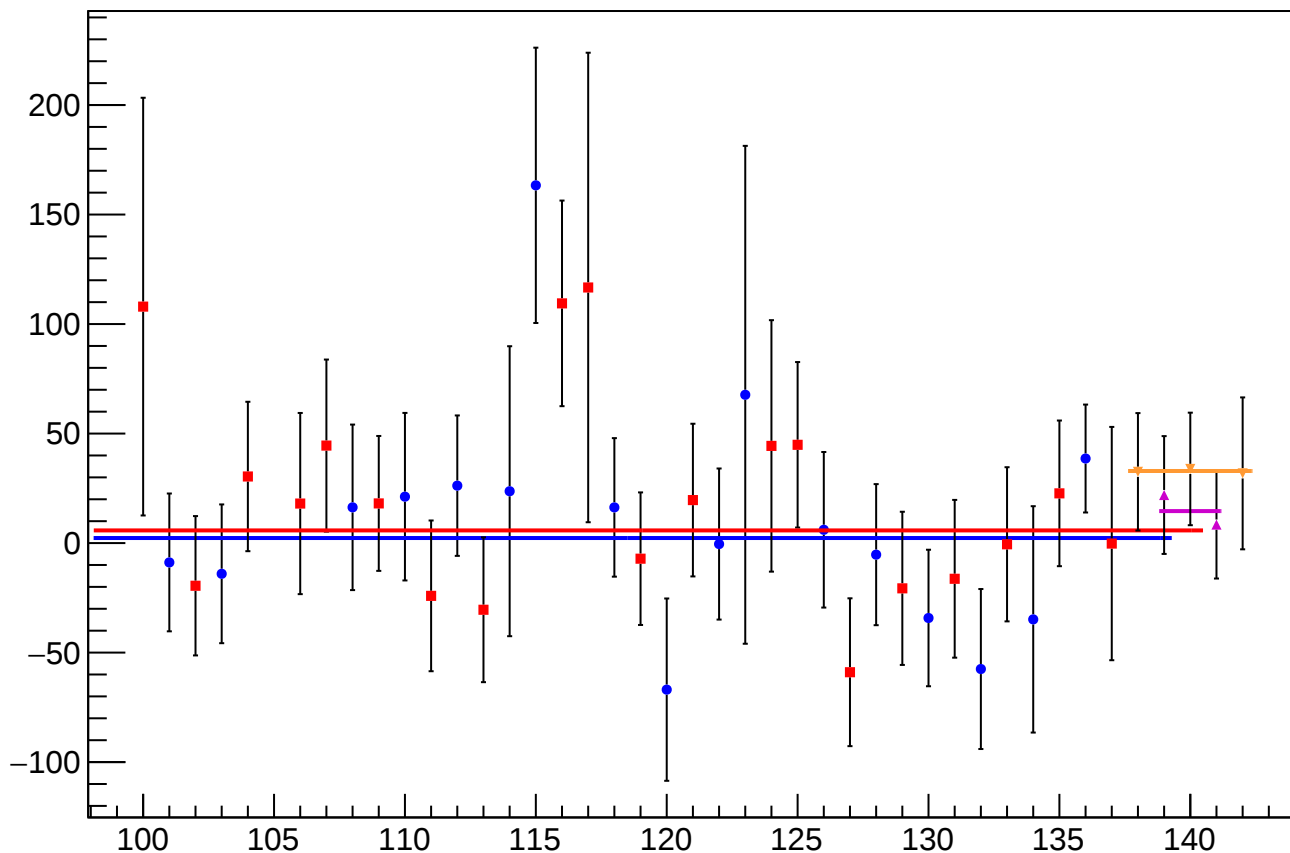
58.731+/-48.699 χ^2/NDF : 16.4/41

45.298+/-65.782 χ^2/NDF : 8.9/21

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307+/-8.805 χ^2/NDF : 18.1/16

Left Out: 32.912+/-16.356 χ^2/NDF : 0.0/2

Right Out: 5.783+/-8.453 χ^2/NDF : 18.2/19

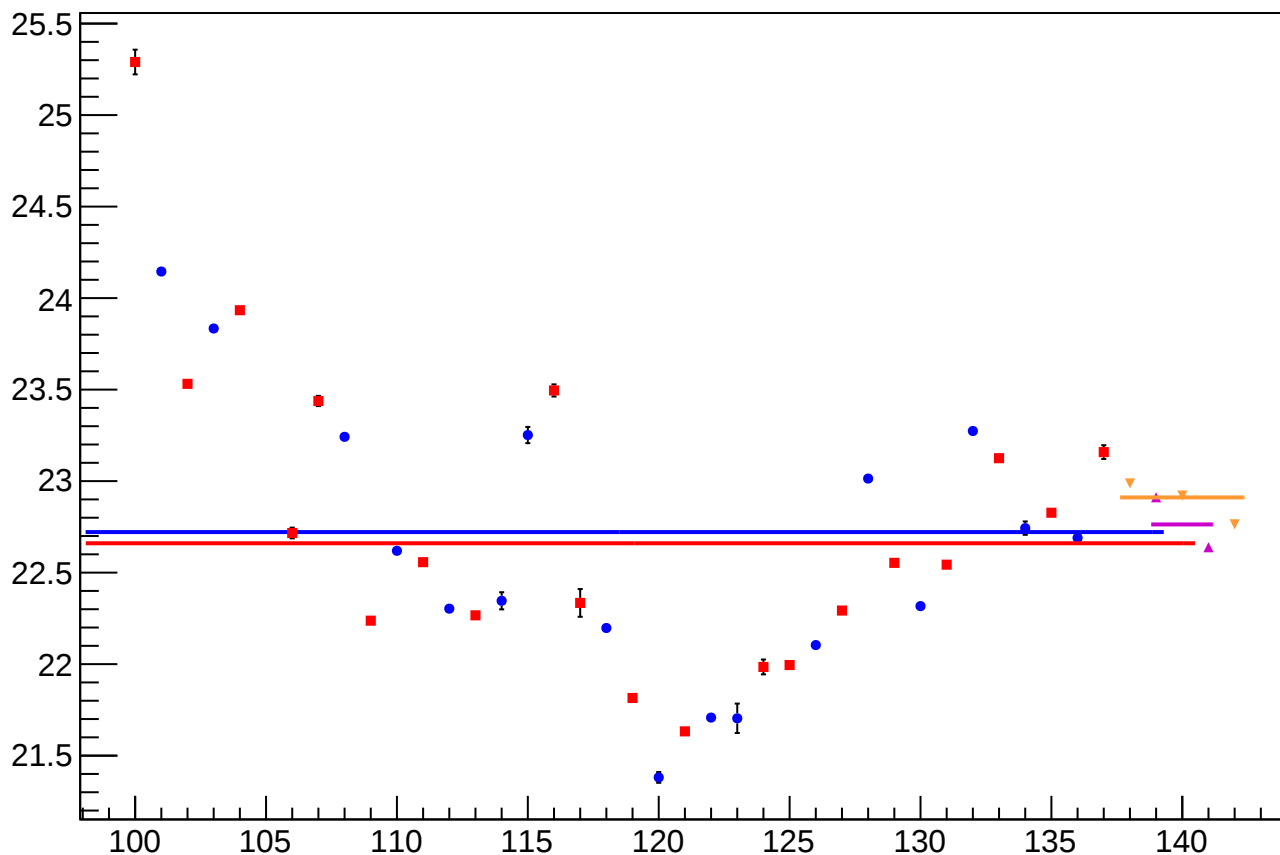
Left In: 14.606+/-18.167 χ^2/NDF : 0.1/1

9.184+/-7.753 χ^2/NDF : 20.8/19

8.258+/-5.450 χ^2/NDF : 39.4/41

7.353+/-7.664 χ^2/NDF : 18.5/21

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 ± 0.006 $\chi^2/\text{NDF}: 13580.6/16$

Left Out: 22.911 ± 0.012 $\chi^2/\text{NDF}: 52.5/2$

Right Out: 22.660 ± 0.006 $\chi^2/\text{NDF}: 12974.2/19$

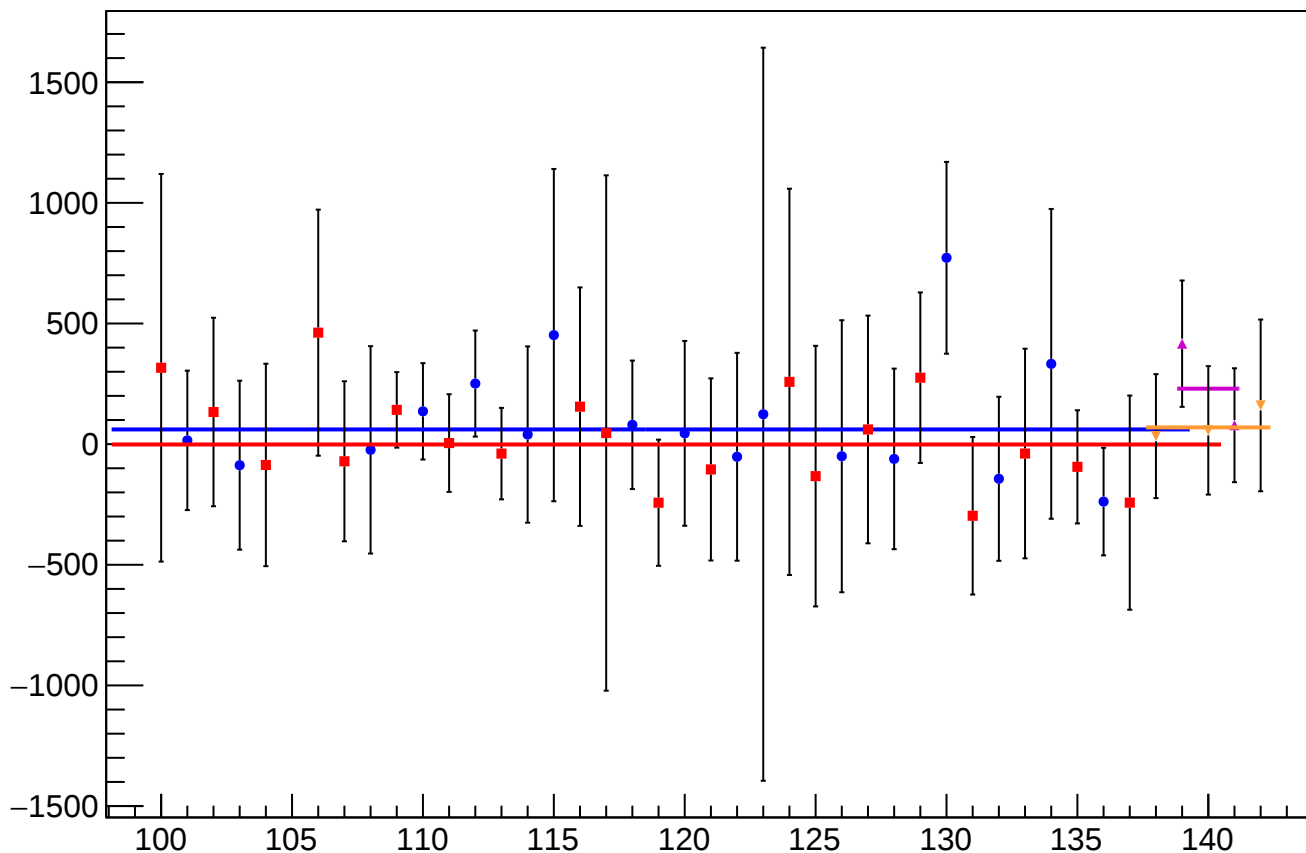
Left In: 22.763 ± 0.013 $\chi^2/\text{NDF}: 112.1/1$

22.764 ± 0.005 $\chi^2/\text{NDF}: 13840.8/19$

22.721 ± 0.004 $\chi^2/\text{NDF}: 27102.4/41$

22.679 ± 0.005 $\chi^2/\text{NDF}: 13139.0/21$

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 69.323 $\pm$ 164.053 χ^2 /NDF: 0.1/2

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

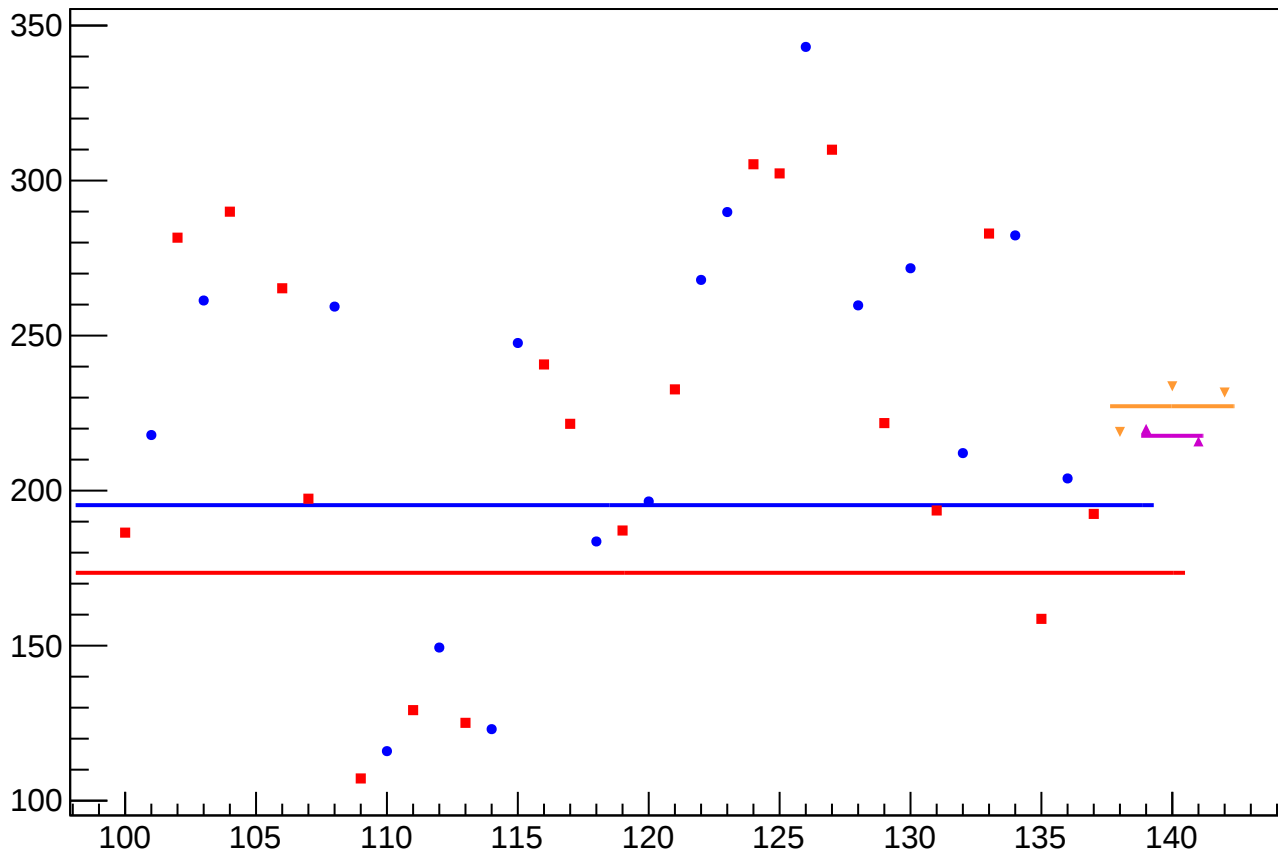
Left In: 229.929 $\pm$ 175.311 χ^2 /NDF: 0.9/1

62.573 $\pm$ 72.049 χ^2 /NDF: 7.3/19

45.073 $\pm$ 48.395 χ^2 /NDF: 15.0/41

30.686 $\pm$ 65.326 χ^2 /NDF: 7.6/21

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

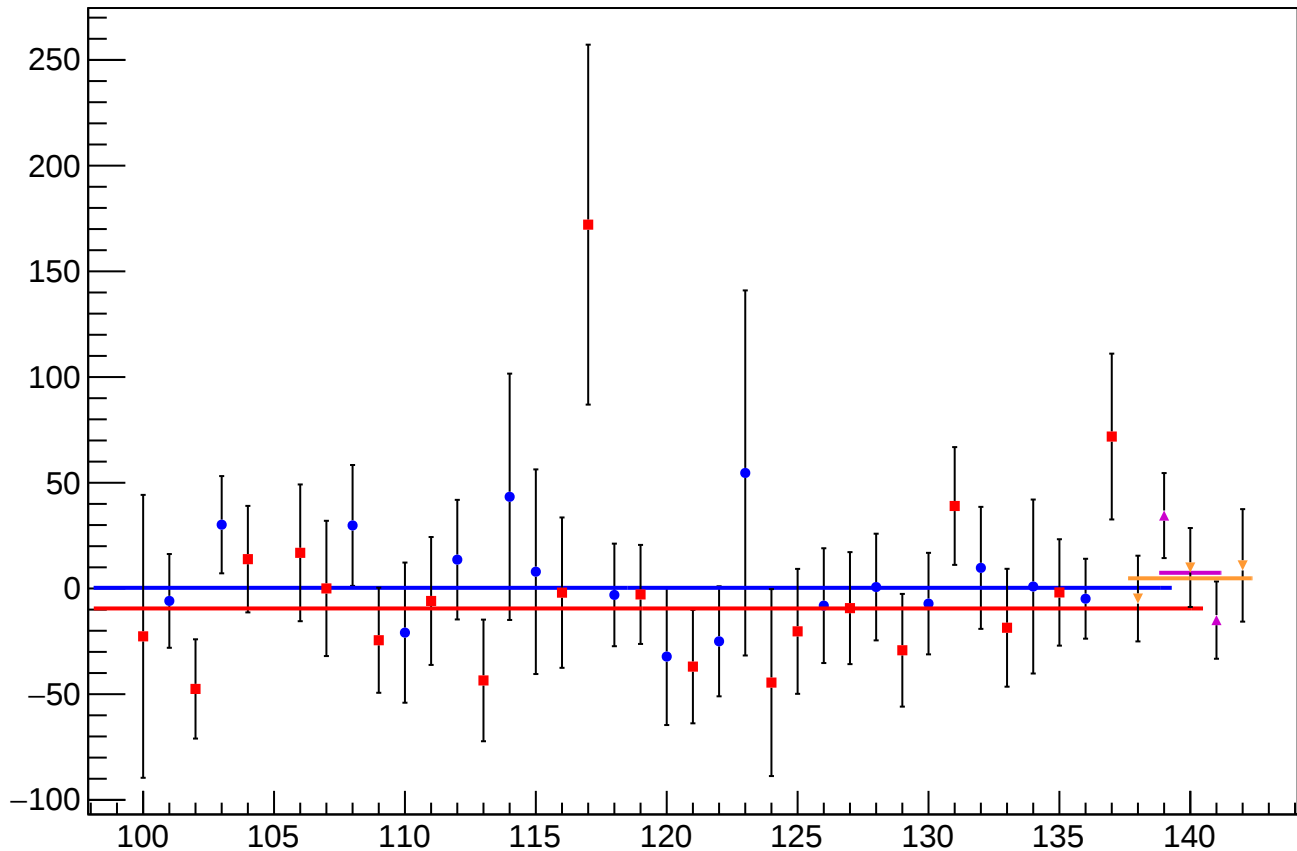
Left In: 217.687 $\pm$ 0.124 χ^2 /NDF:260.2/1

201.469 $\pm$ 0.051 χ^2 /NDF: 1068815.0/19

189.484 $\pm$ 0.034 χ^2 /NDF: 2861809.4/41

179.631 $\pm$ 0.046 χ^2 /NDF: 1692150.8/21

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

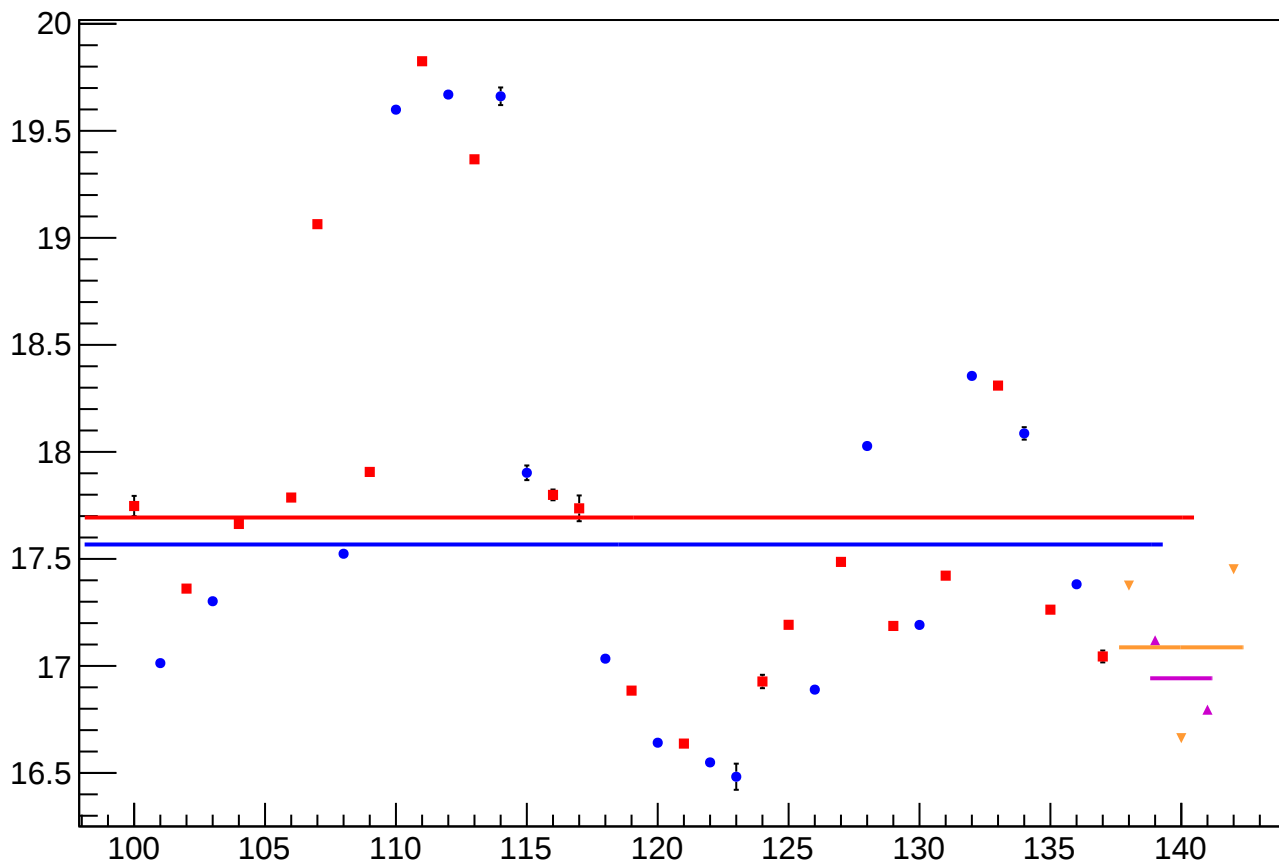
Left In: 7.417 $\pm$ 13.527 χ^2/NDF : 3.3/1

1.375 $\pm$ 5.948 χ^2/NDF : 7.2/19

-2.421 $\pm$ 4.202 χ^2/NDF : 33.2/41

-6.202 $\pm$ 5.937 χ^2/NDF : 25.2/21

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

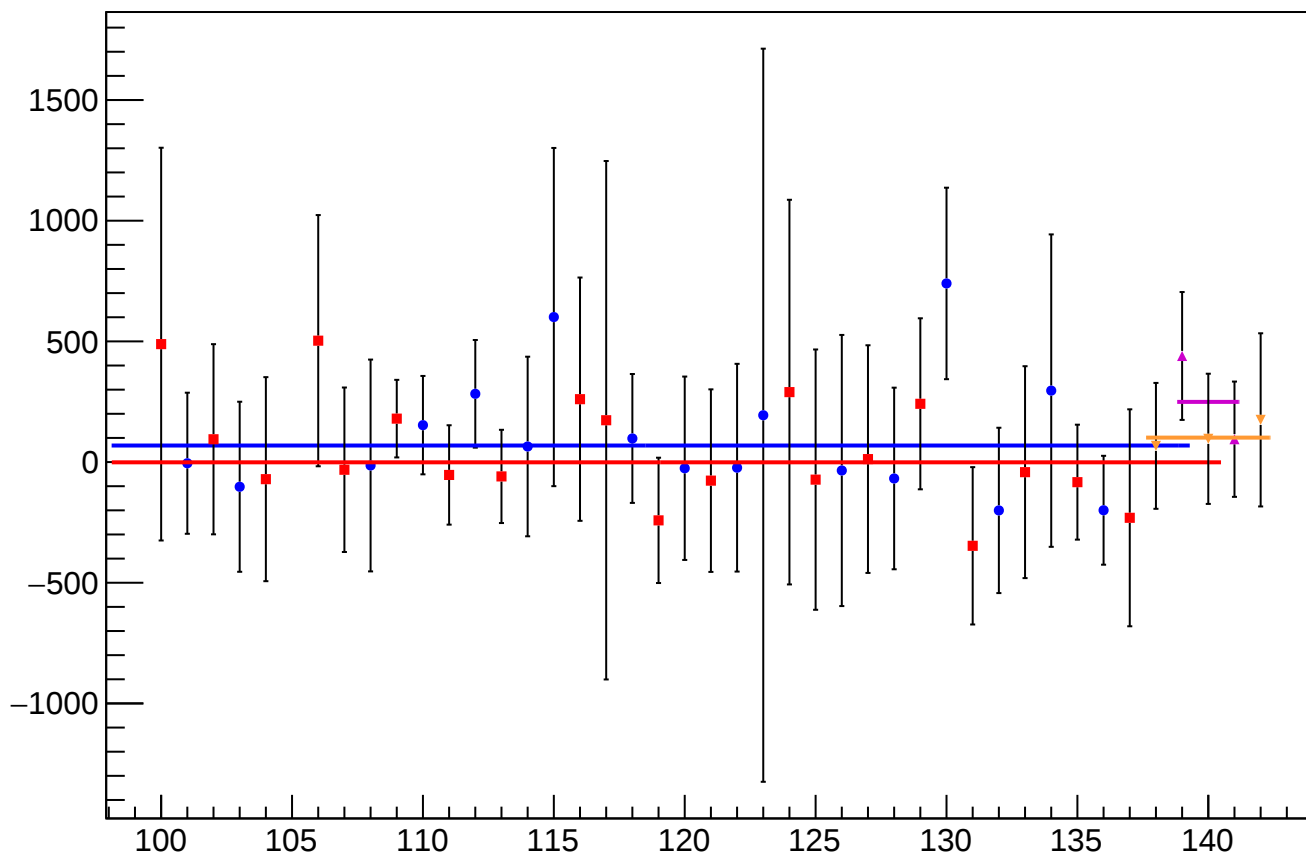
Left In: 16.942 $\pm$ 0.010 χ^2 /NDF:284.2/1

17.453 $\pm$ 0.004 χ^2 /NDF: 37322.5/19

17.501 $\pm$ 0.003 χ^2 /NDF: 73611.6/41

17.549 $\pm$ 0.004 χ^2 /NDF: 36030.9/21

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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

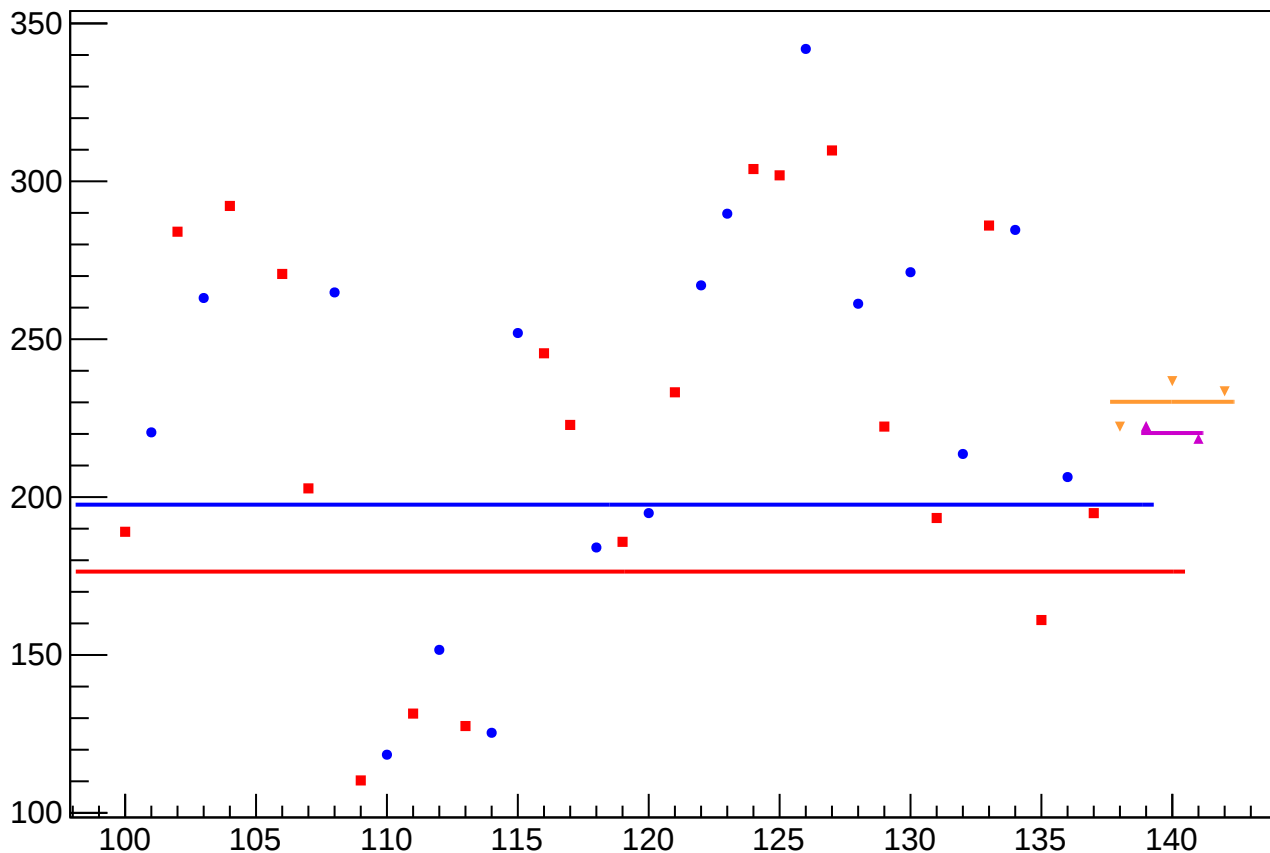
Left In: 249.334+/-177.385 χ^2/NDF : 0.9/1

74.846+/-72.823 χ^2/NDF : 7.4/19

52.398+/-48.993 χ^2/NDF : 16.4/41

33.837+/-66.219 χ^2/NDF : 8.8/21

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



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

Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

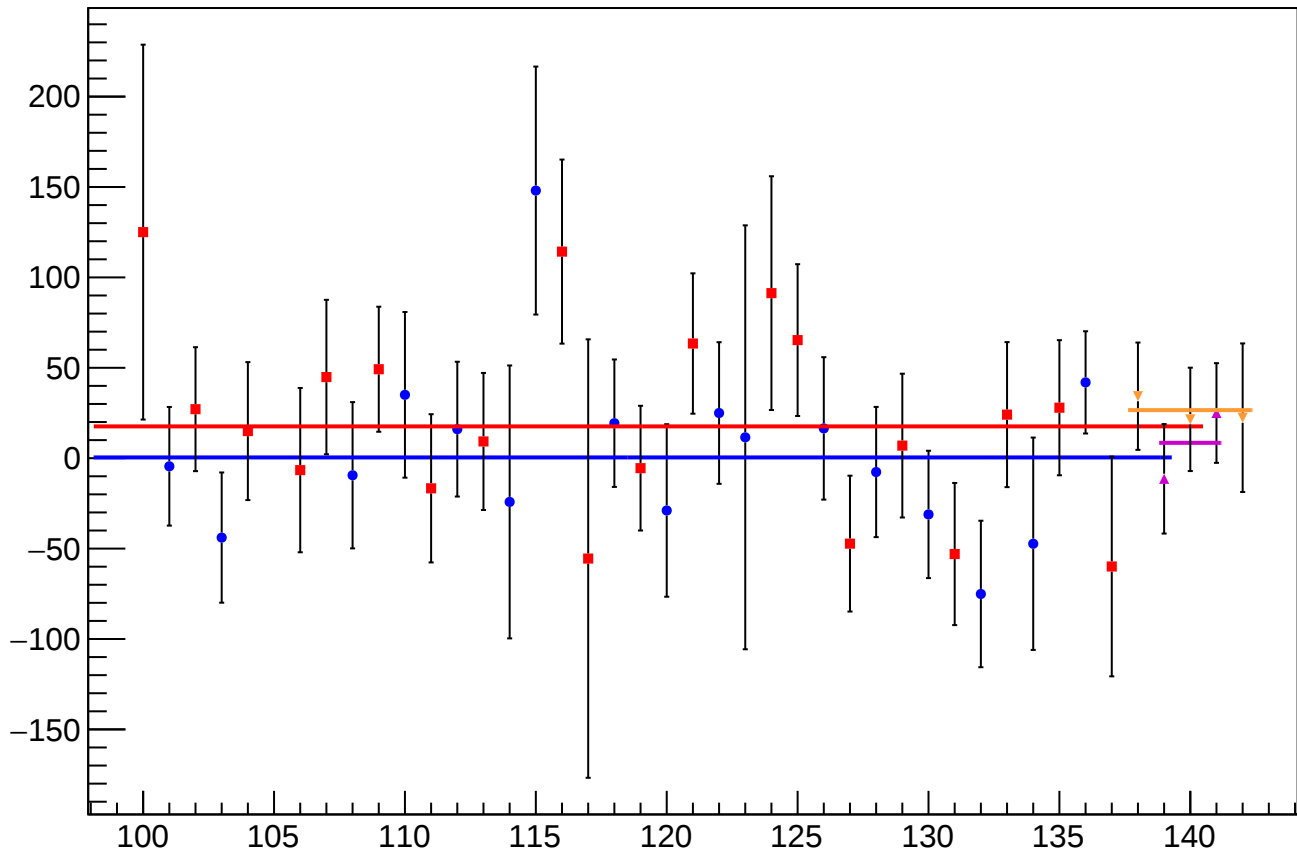
Left In: 220.289 $\pm$ 0.125 χ^2 /NDF:257.9/1

203.860 $\pm$ 0.051 χ^2 /NDF: 1034101.0/19

192.180 $\pm$ 0.035 χ^2 /NDF: 2757276.4/41

182.523 $\pm$ 0.047 χ^2 /NDF: 1629185.7/21

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 26.595 ± 18.409 χ^2/NDF : 0.1/2

Right Out: 17.595 ± 9.470 χ^2/NDF : 19.8/19

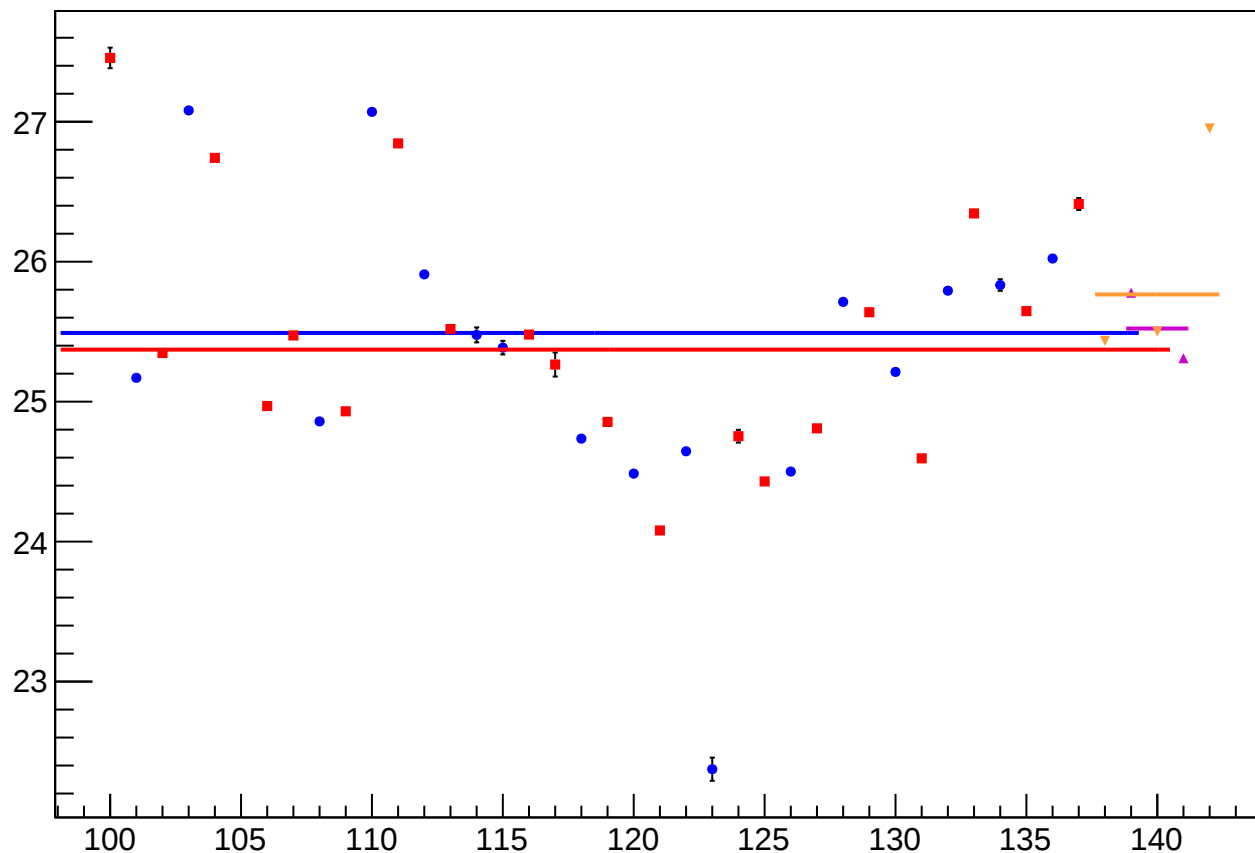
Left In: 8.501 ± 20.386 χ^2/NDF : 0.8/1

6.282 ± 8.708 χ^2/NDF : 17.1/19

11.199 ± 6.115 χ^2/NDF : 38.6/41

15.981 ± 8.588 χ^2/NDF : 20.8/21

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.766 $\pm$ 0.013 χ^2 /NDF:2089.4/2

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

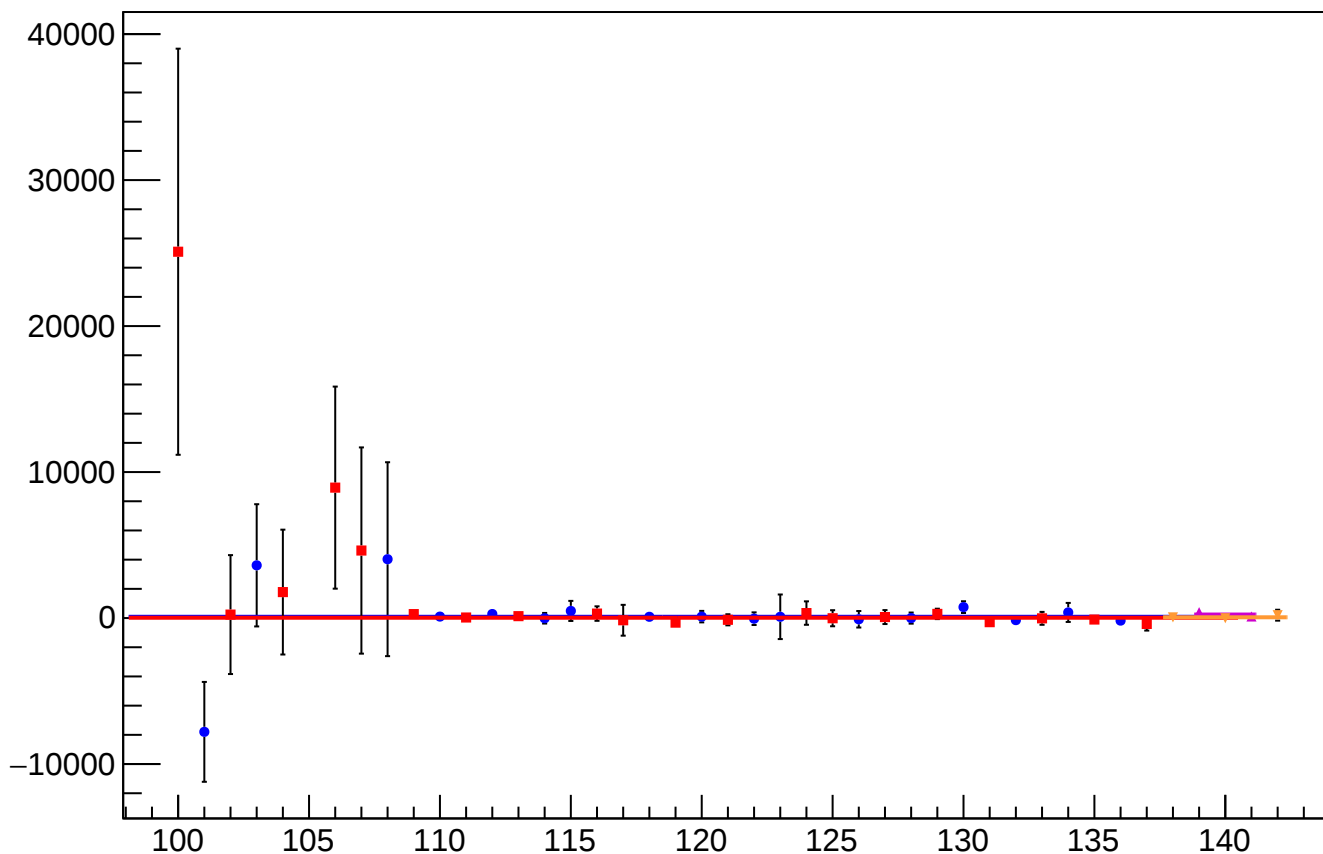
Left In: 25.522 $\pm$ 0.014 χ^2 /NDF:261.3/1

25.552 $\pm$ 0.006 χ^2 /NDF: 16149.7/19

25.474 $\pm$ 0.004 χ^2 /NDF: 30370.9/41

25.398 $\pm$ 0.006 χ^2 /NDF: 13903.5/21

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

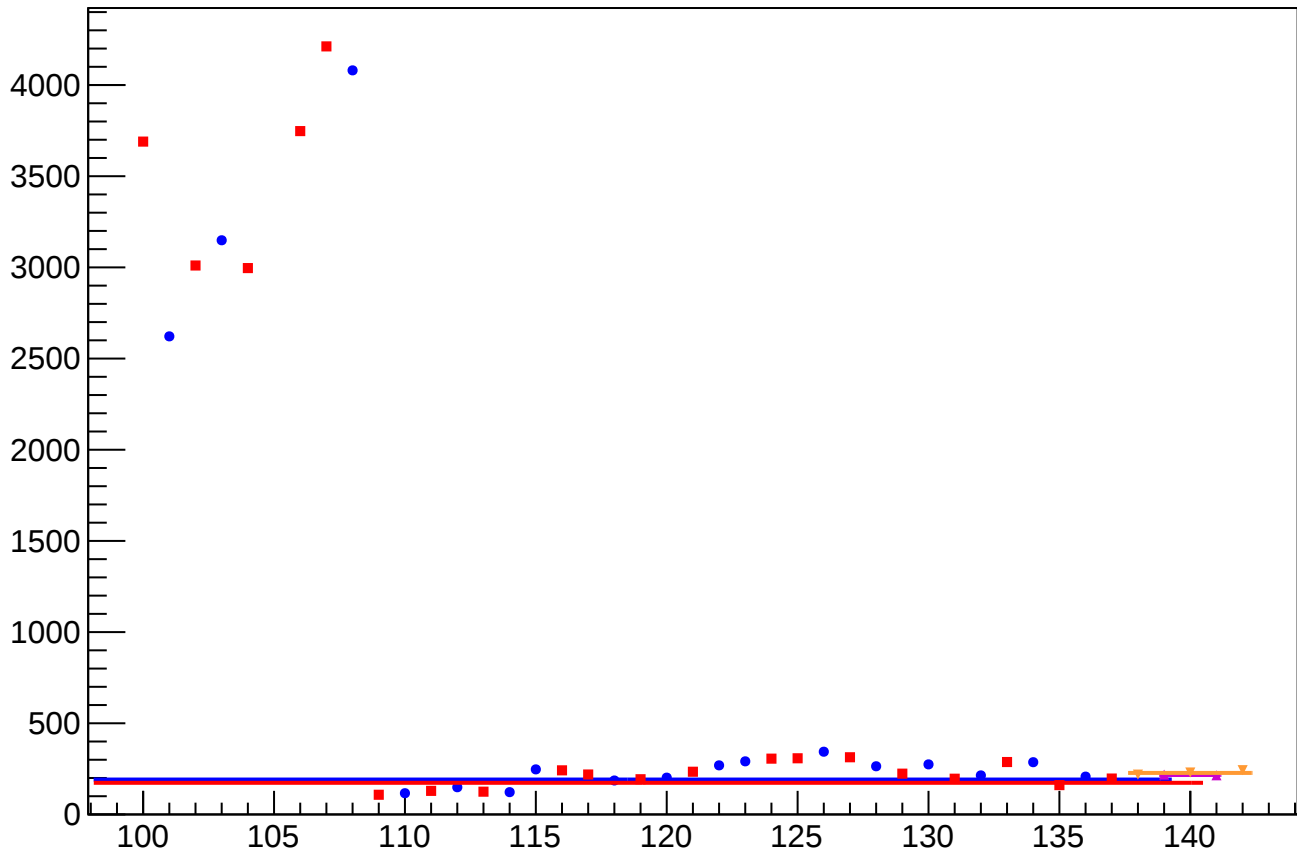
Left In: 240.736+/-174.398 χ^2/NDF : 0.7/1

78.896+/-77.893 χ^2/NDF : 12.7/19

69.323+/-53.361 χ^2/NDF : 26.7/41

60.859+/-73.248 χ^2/NDF : 13.9/21

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 227.751+/-0.116 χ^2/NDF :6011.5/2

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

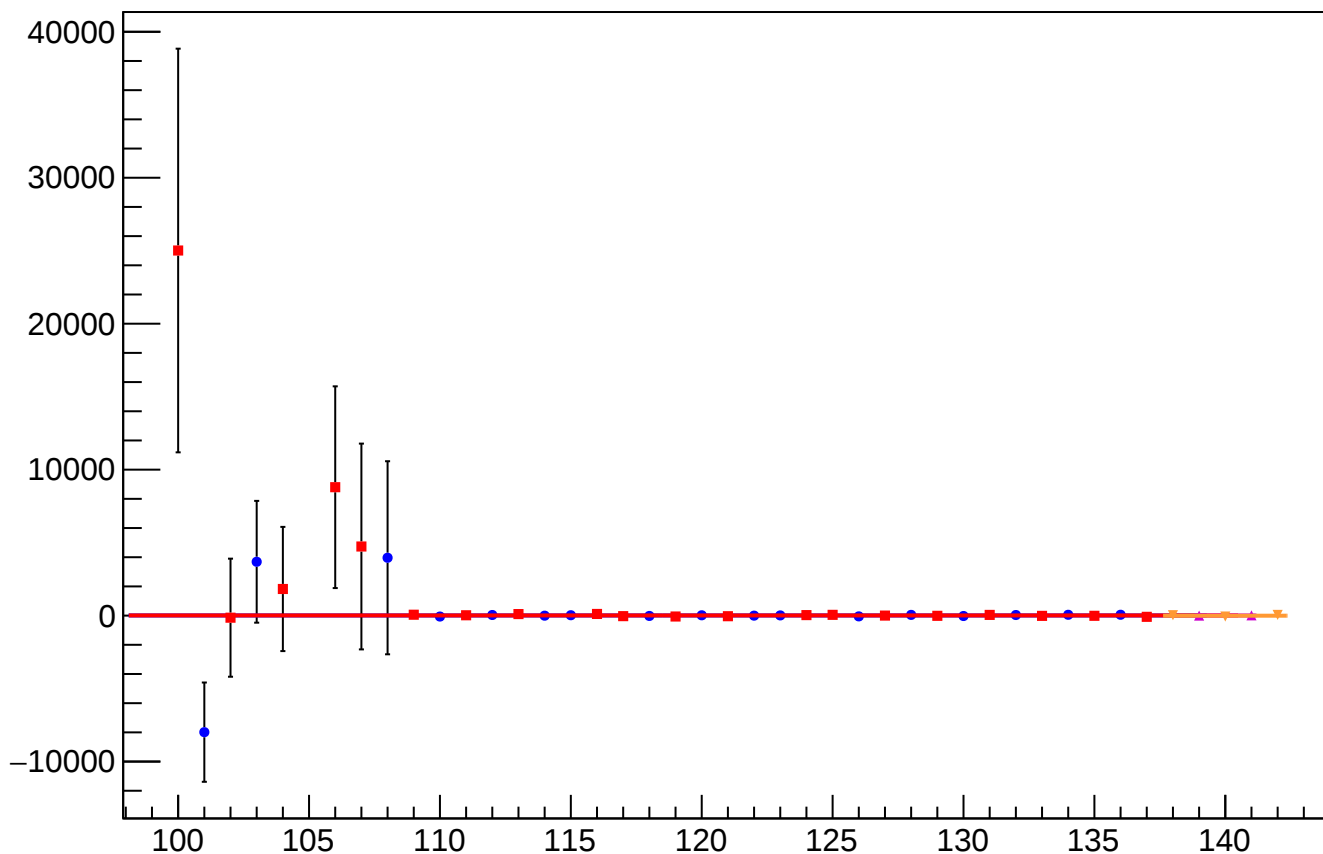
Left In: 216.433+/-0.123 χ^2/NDF :216.1/1

199.603+/-0.055 χ^2/NDF : 3654554.2/19

189.798+/-0.038 χ^2/NDF : 8025171.6/41

181.127+/-0.052 χ^2/NDF : 4310899.0/21

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

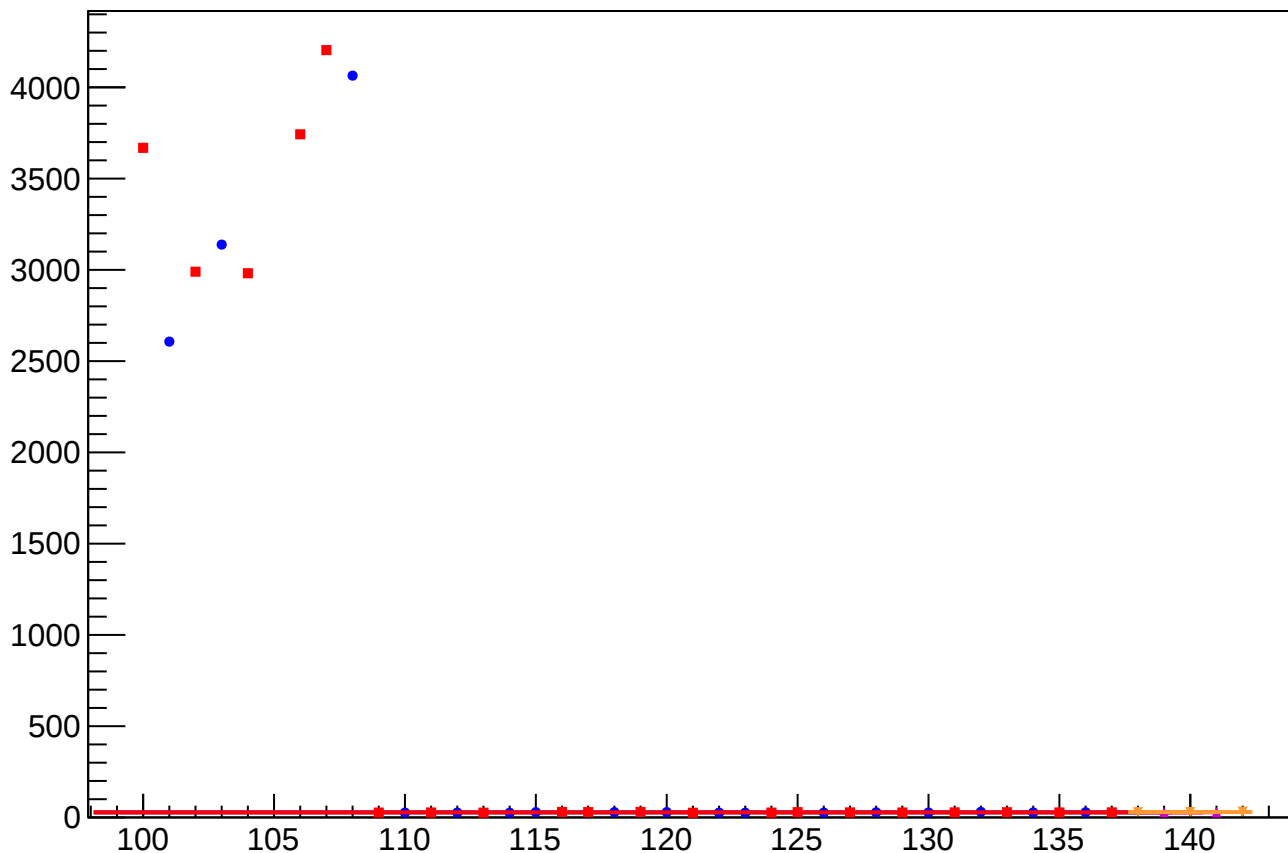
Left In: 10.184+/-22.867 χ^2/NDF : 0.2/1

6.120+/-10.627 χ^2/NDF : 24.1/19

8.941+/-7.559 χ^2/NDF : 49.4/41

11.829+/-10.754 χ^2/NDF : 25.1/21

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

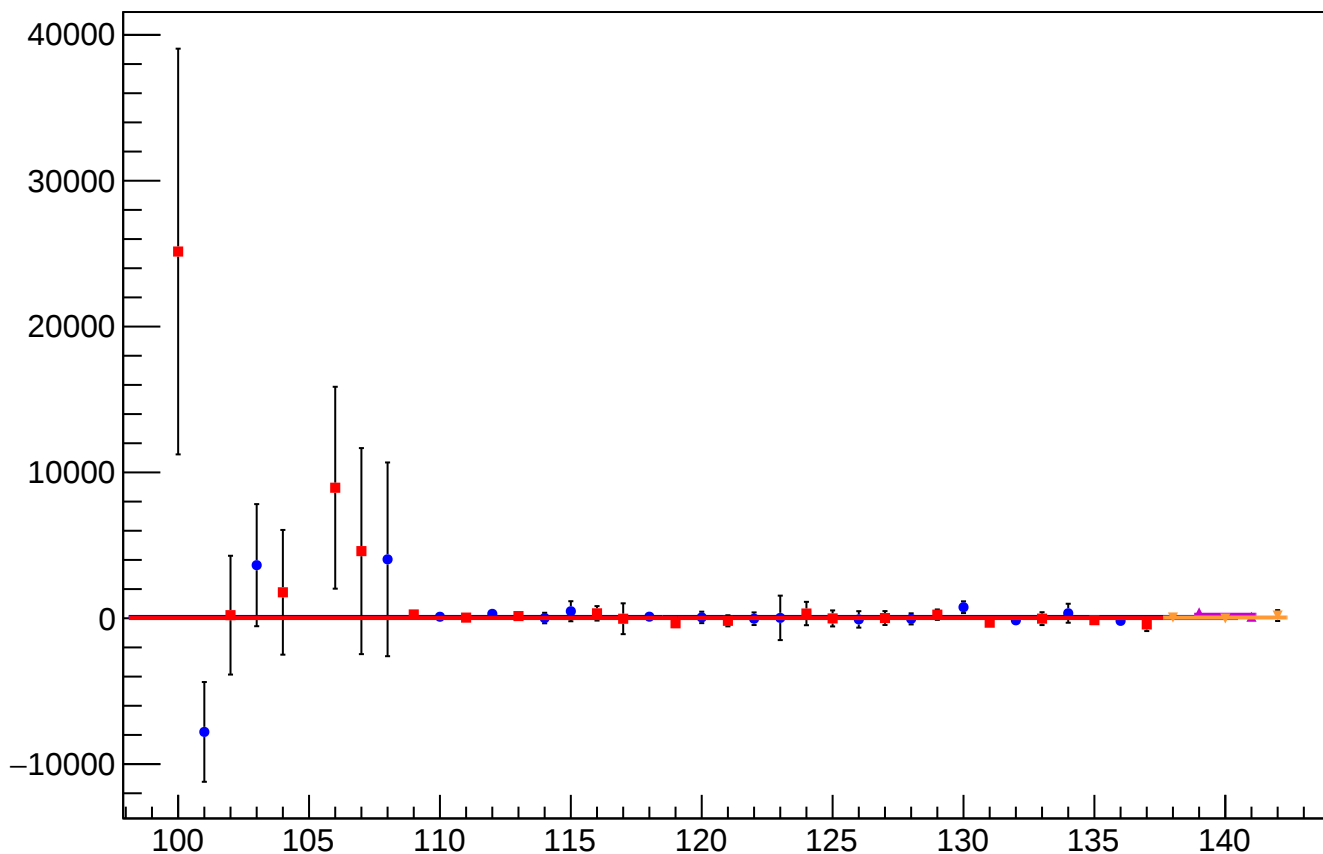
Left In: 28.577+/-0.016 χ^2/NDF : 575.5/1

28.283+/-0.008 χ^2/NDF : 3041160.4/19

28.094+/-0.005 χ^2/NDF : 6522405.8/41

27.900+/-0.008 χ^2/NDF : 3479958.7/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

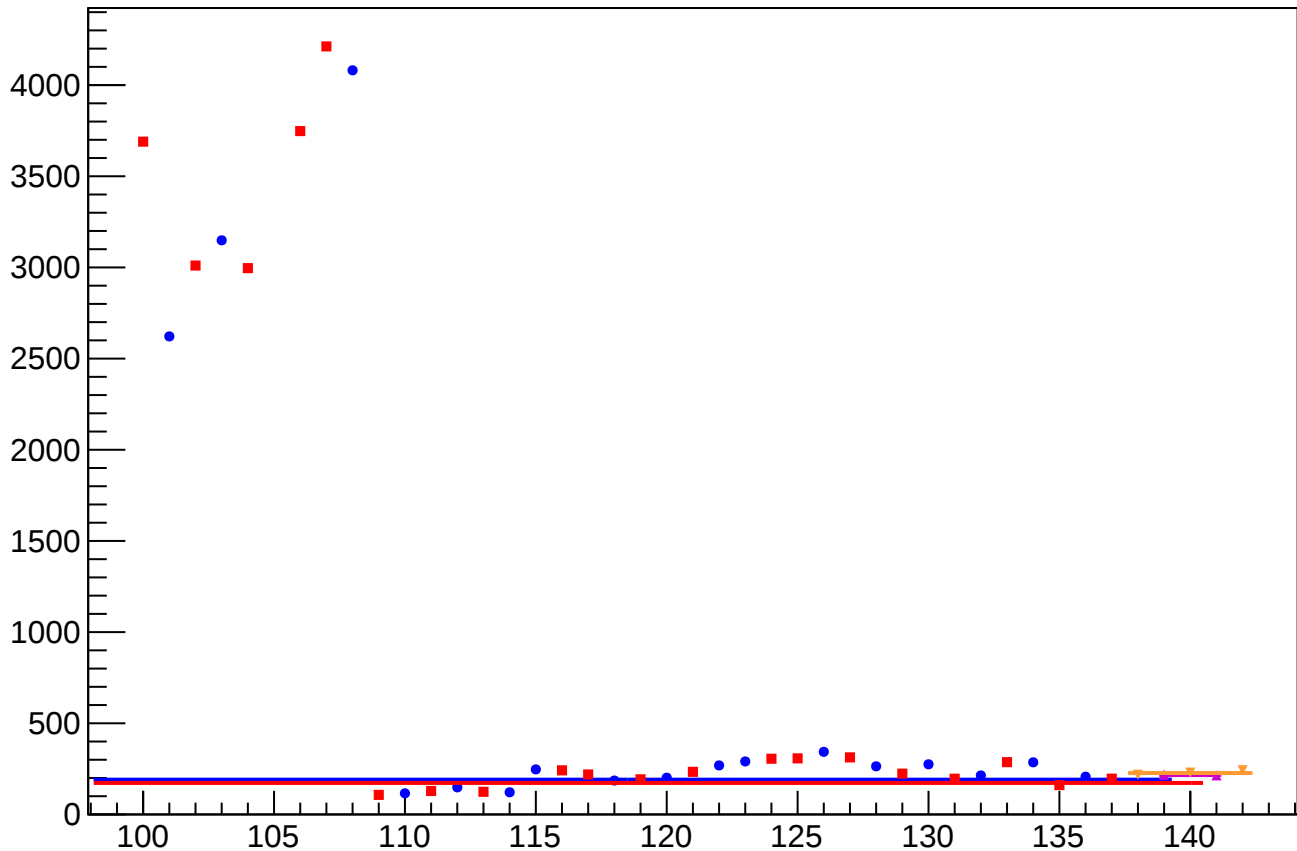
Left In: 241.082+/-174.035 χ^2/NDF : 0.7/1

81.869+/-77.663 χ^2/NDF : 13.0/19

66.665+/-53.201 χ^2/NDF : 27.9/41

53.221+/-73.027 χ^2/NDF : 14.8/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

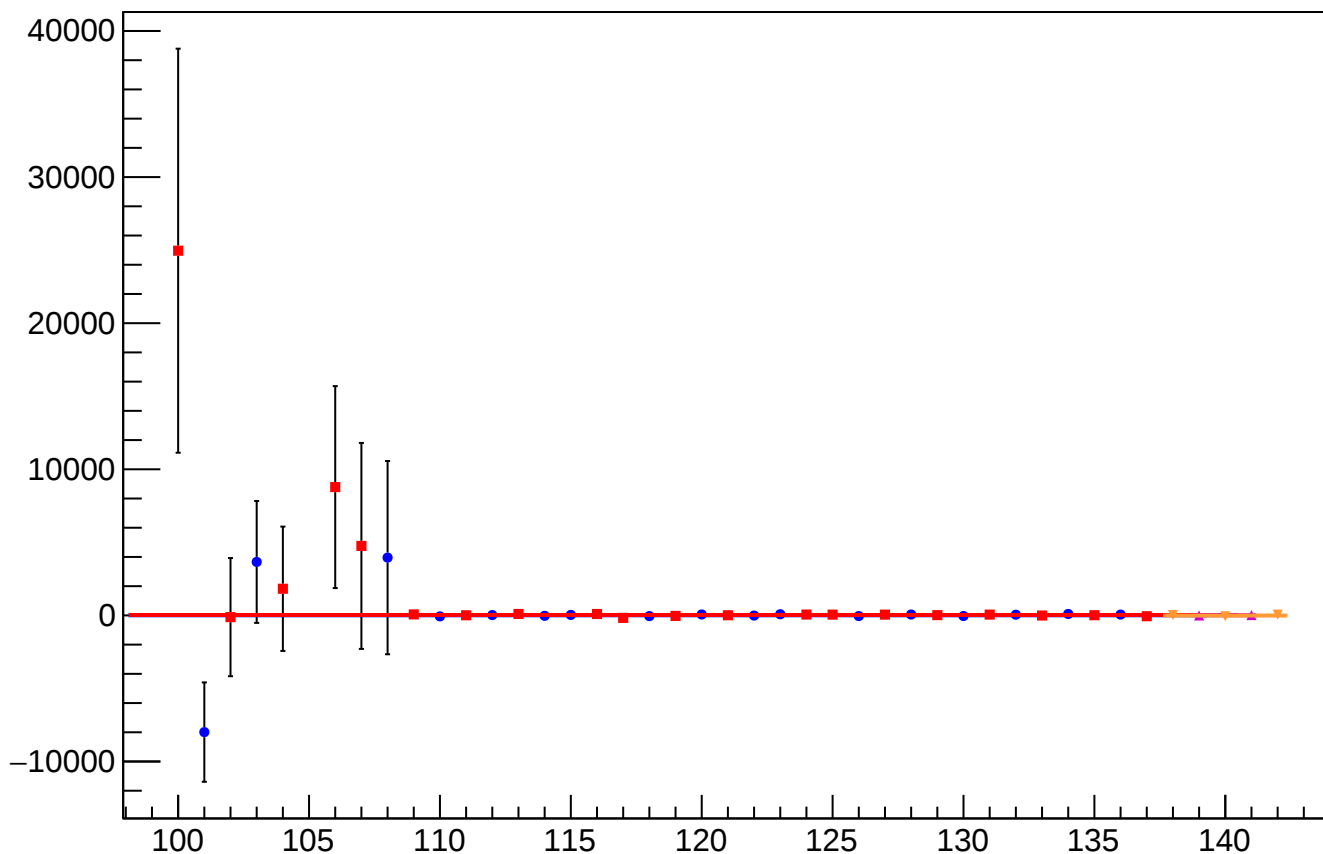
Left In: 215.981+/-0.123 χ^2/NDF : 213.9/1

198.920+/-0.055 χ^2/NDF : 3667578.4/19

189.136+/-0.038 χ^2/NDF : 8051088.2/41

180.485+/-0.052 χ^2/NDF : 4323702.2/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -9.427 $\pm$ 21.297 χ^2 /NDF: 5.1/2

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

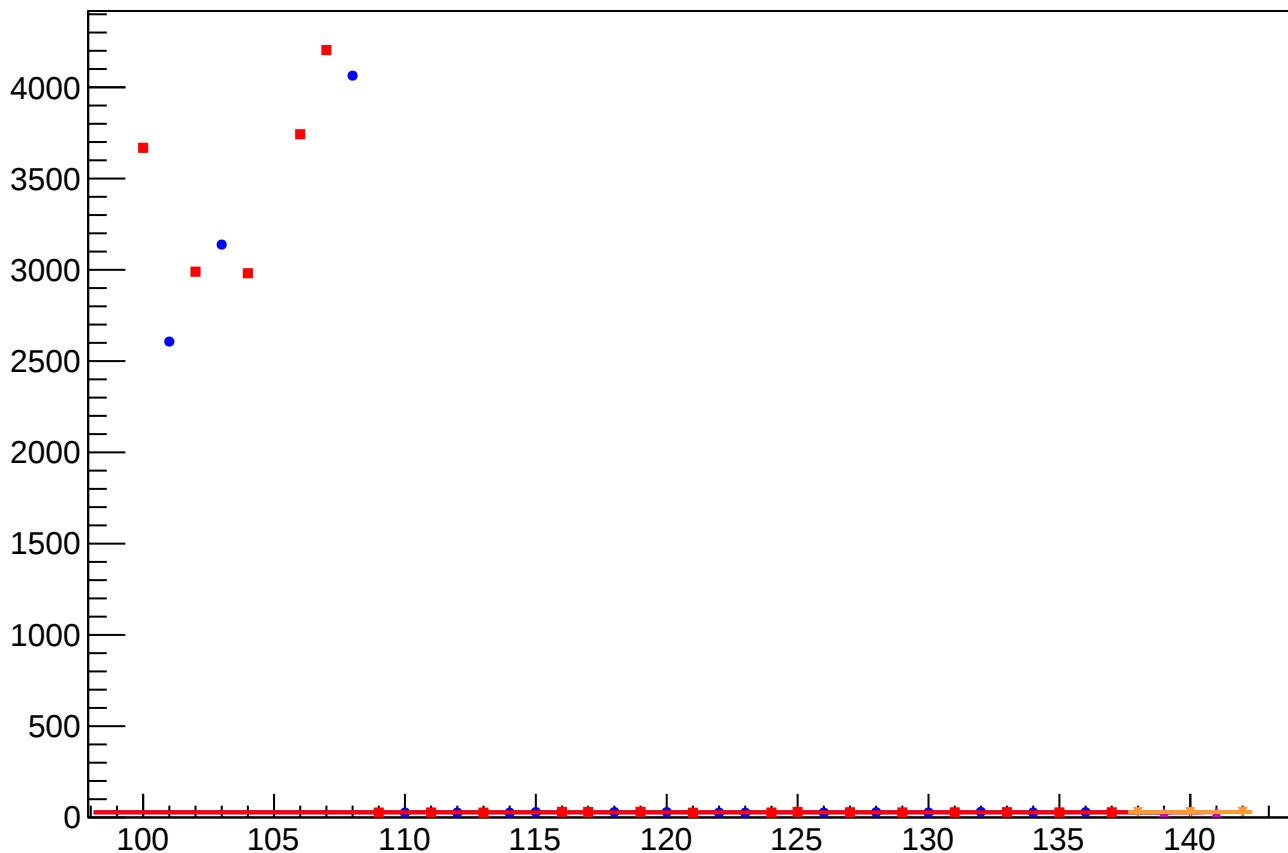
Left In: 9.709 $\pm$ 22.942 χ^2 /NDF: 0.4/1

4.054 $\pm$ 10.695 χ^2 /NDF: 28.9/19

13.824 $\pm$ 7.610 χ^2 /NDF: 50.2/41

23.844 $\pm$ 10.831 χ^2 /NDF: 19.7/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 29.704 $\pm$ 0.015 χ^2 /NDF:3529.1/2

Right Out: 27.930 $\pm$ 0.009 χ^2 /NDF: 3479947.6/19

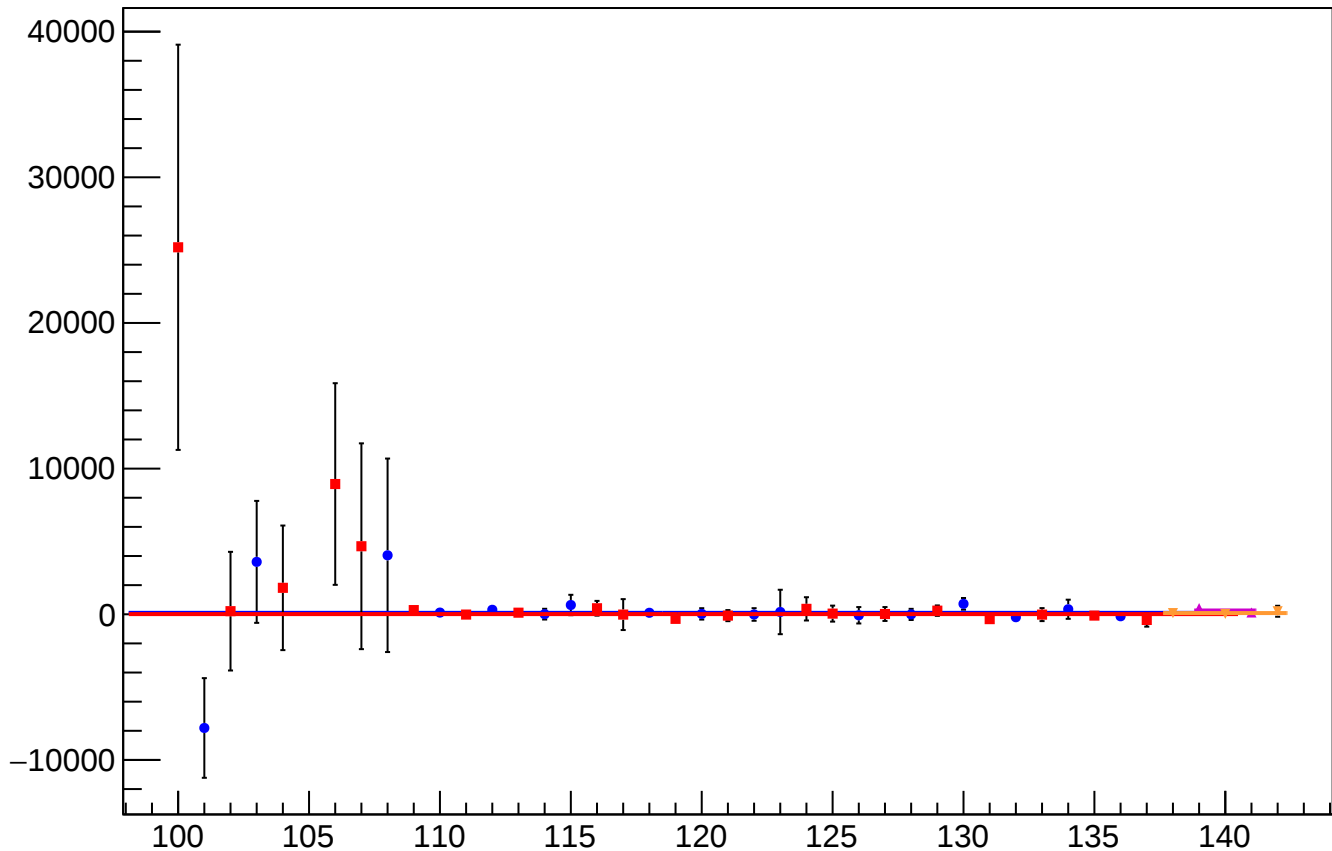
Left In: 28.670 $\pm$ 0.016 χ^2 /NDF:747.1/1

28.463 $\pm$ 0.008 χ^2 /NDF: 3040514.9/19

28.281 $\pm$ 0.005 χ^2 /NDF: 6523992.2/41

28.095 $\pm$ 0.008 χ^2 /NDF: 3482310.6/21

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



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

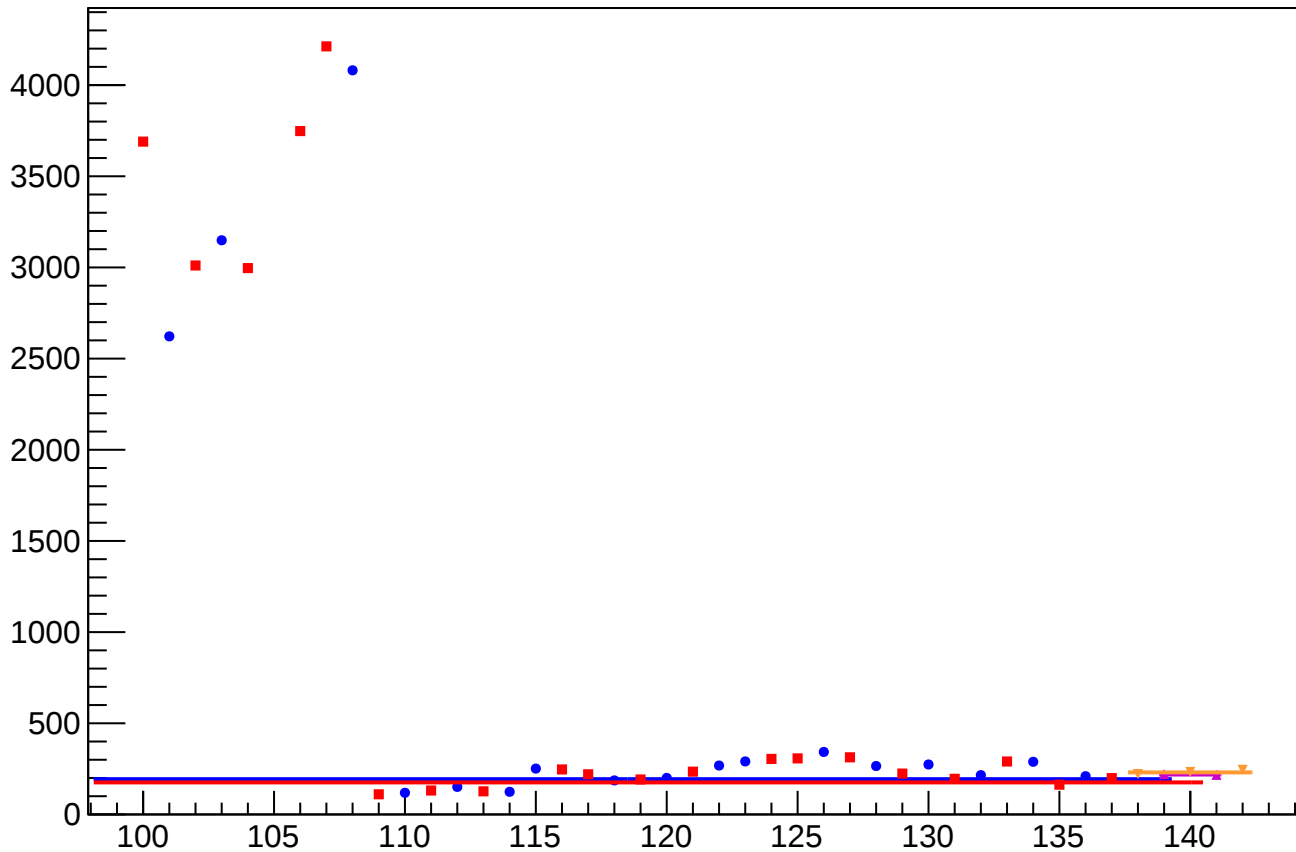
Left In: 259.203+/-176.411 χ^2/NDF : 0.7/1

94.853+/-78.646 χ^2/NDF : 12.7/19

73.783+/-53.897 χ^2/NDF : 27.5/41

55.123+/-74.009 χ^2/NDF : 14.6/21

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



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

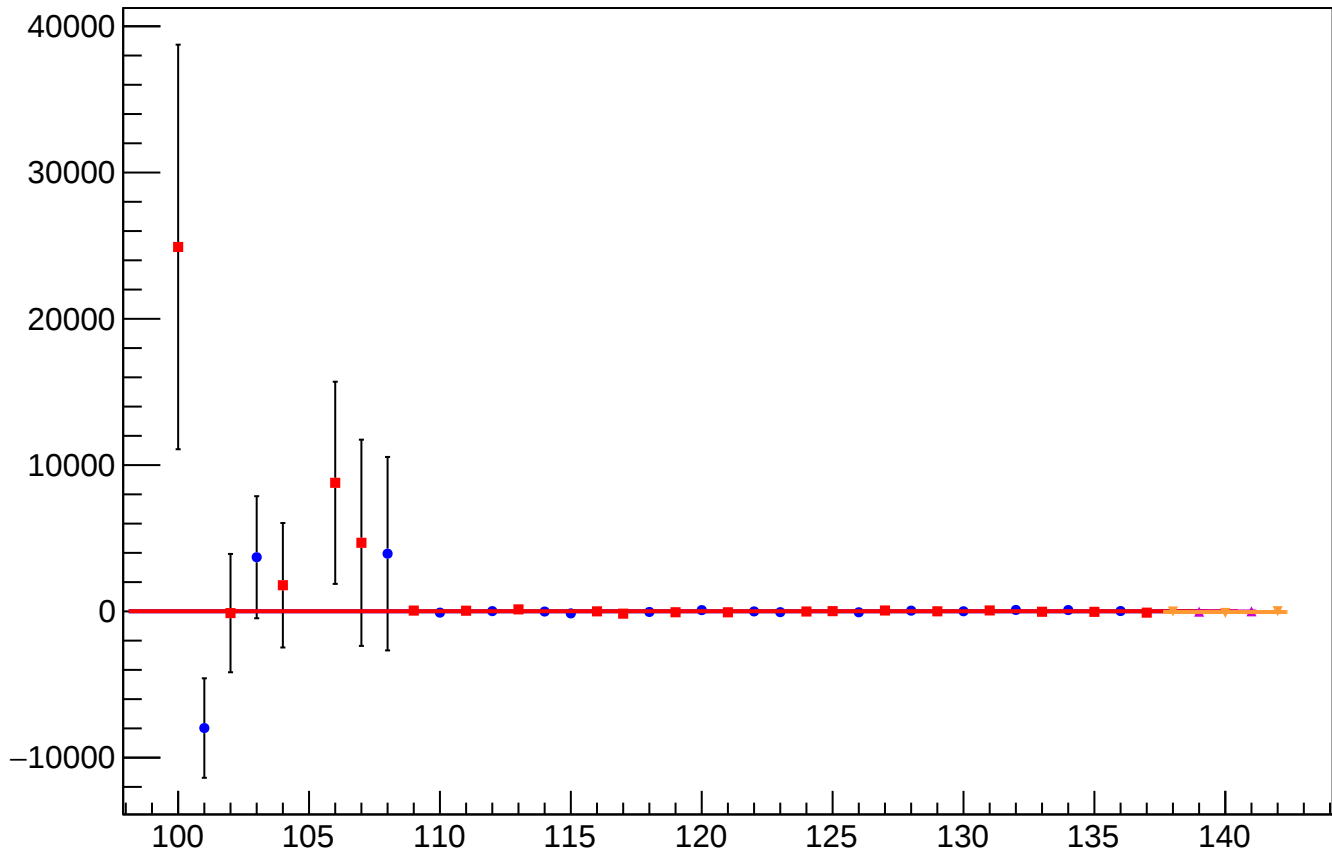
Left In: 218.958+/-0.125 χ^2/NDF : 210.9/1

201.790+/-0.056 χ^2/NDF : 3619547.5/19

192.023+/-0.038 χ^2/NDF : 7945790.4/41

183.374+/-0.052 χ^2/NDF : 4268083.1/21

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565 +/- 15.052 χ^2/NDF : 20.4/16

Left Out: -44.389 +/- 25.666 χ^2/NDF : 4.2/2

Right Out: 10.775 +/- 14.891 χ^2/NDF : 23.0/19

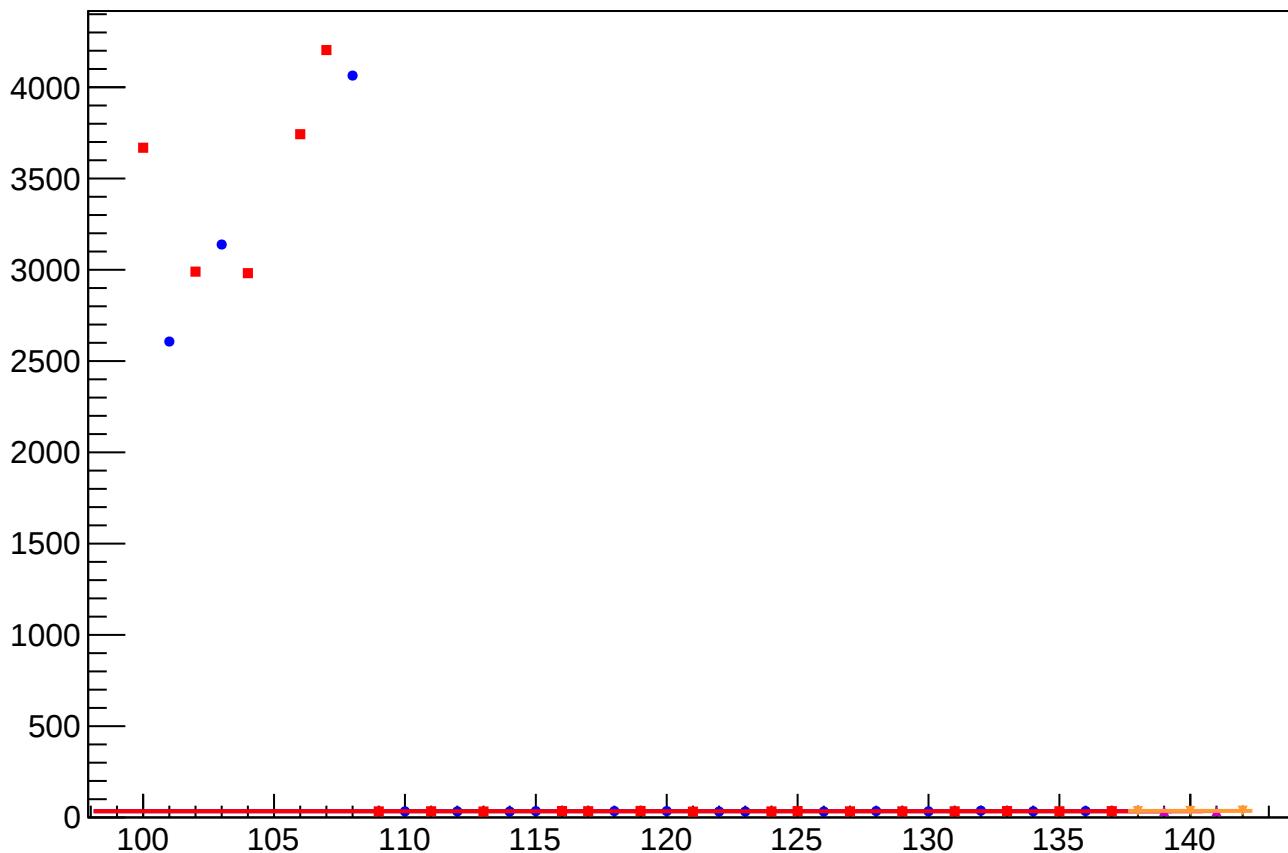
Left In: -5.572 +/- 27.991 χ^2/NDF : 0.2/1

-7.219 +/- 12.984 χ^2/NDF : 27.5/19

-0.114 +/- 9.238 χ^2/NDF : 51.5/41

7.169 +/- 13.146 χ^2/NDF : 23.4/21

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

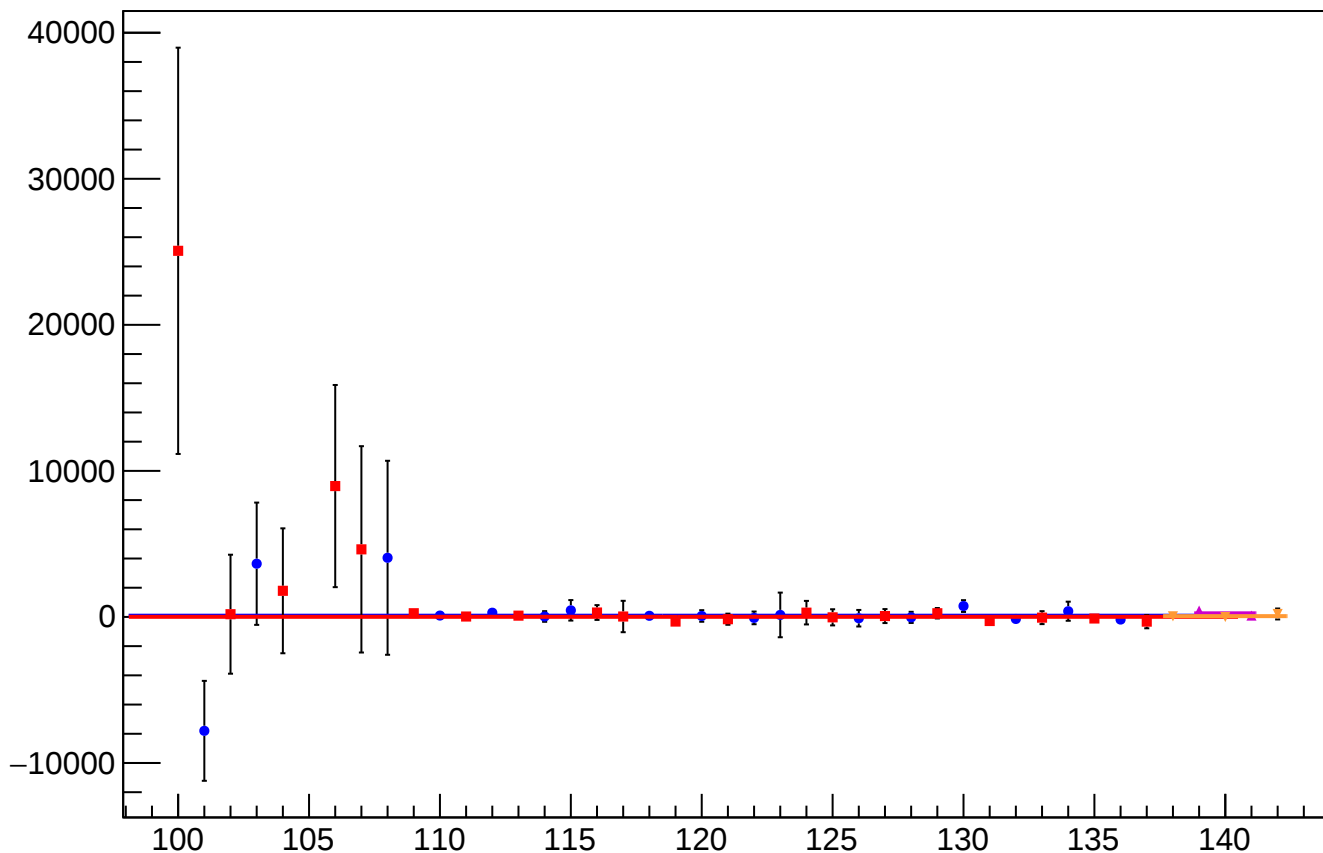
Left In: 35.018+/-0.020 χ^2/NDF :308.0/1

34.599+/-0.009 χ^2/NDF : 3014365.8/19

34.382+/-0.007 χ^2/NDF : 6470147.2/41

34.159+/-0.009 χ^2/NDF : 3454645.8/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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

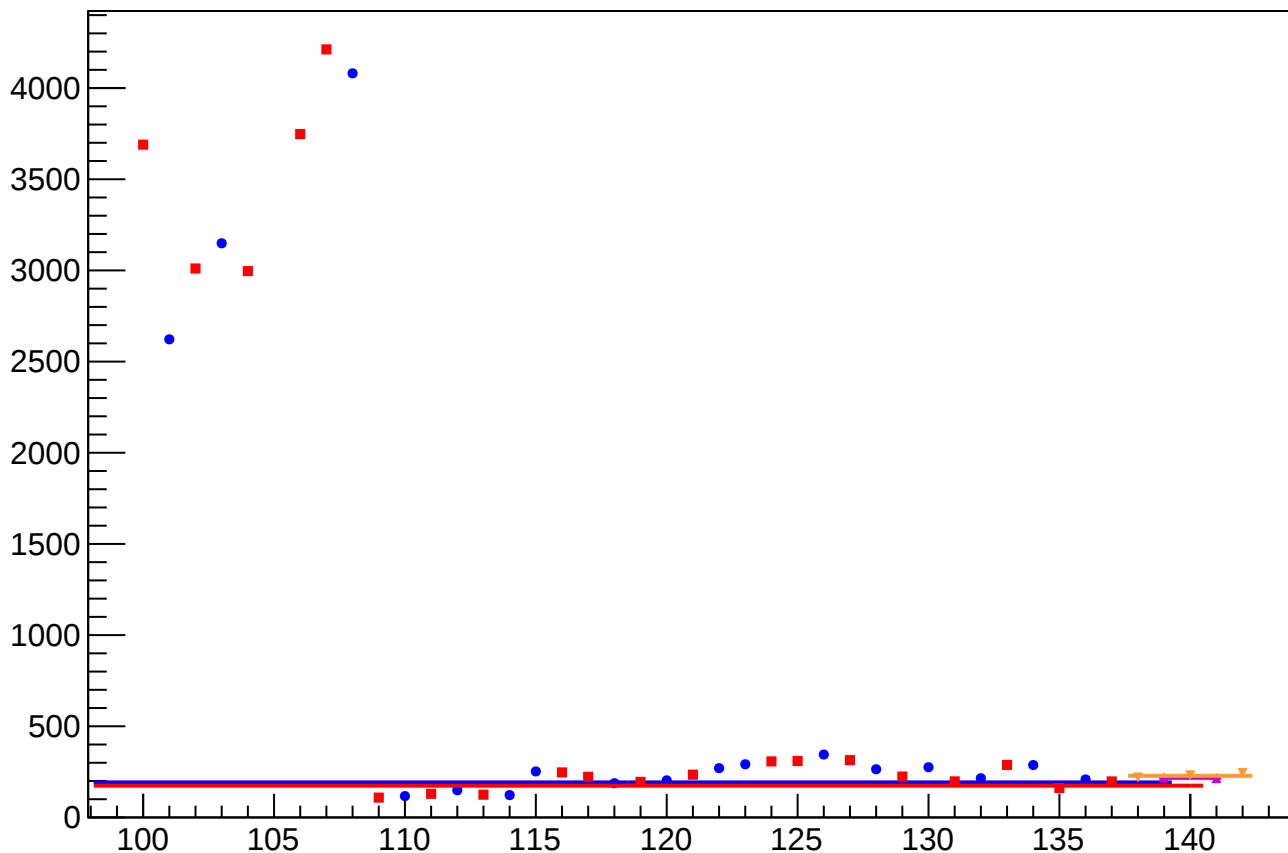
Left In: 246.790+/-175.081 χ^2/NDF : 1.0/1

77.817+/-78.163 χ^2/NDF : 12.8/19

63.423+/-53.558 χ^2/NDF : 26.4/41

50.683+/-73.533 χ^2/NDF : 13.5/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 228.396+/-0.117 χ^2/NDF : 6121.4/2

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

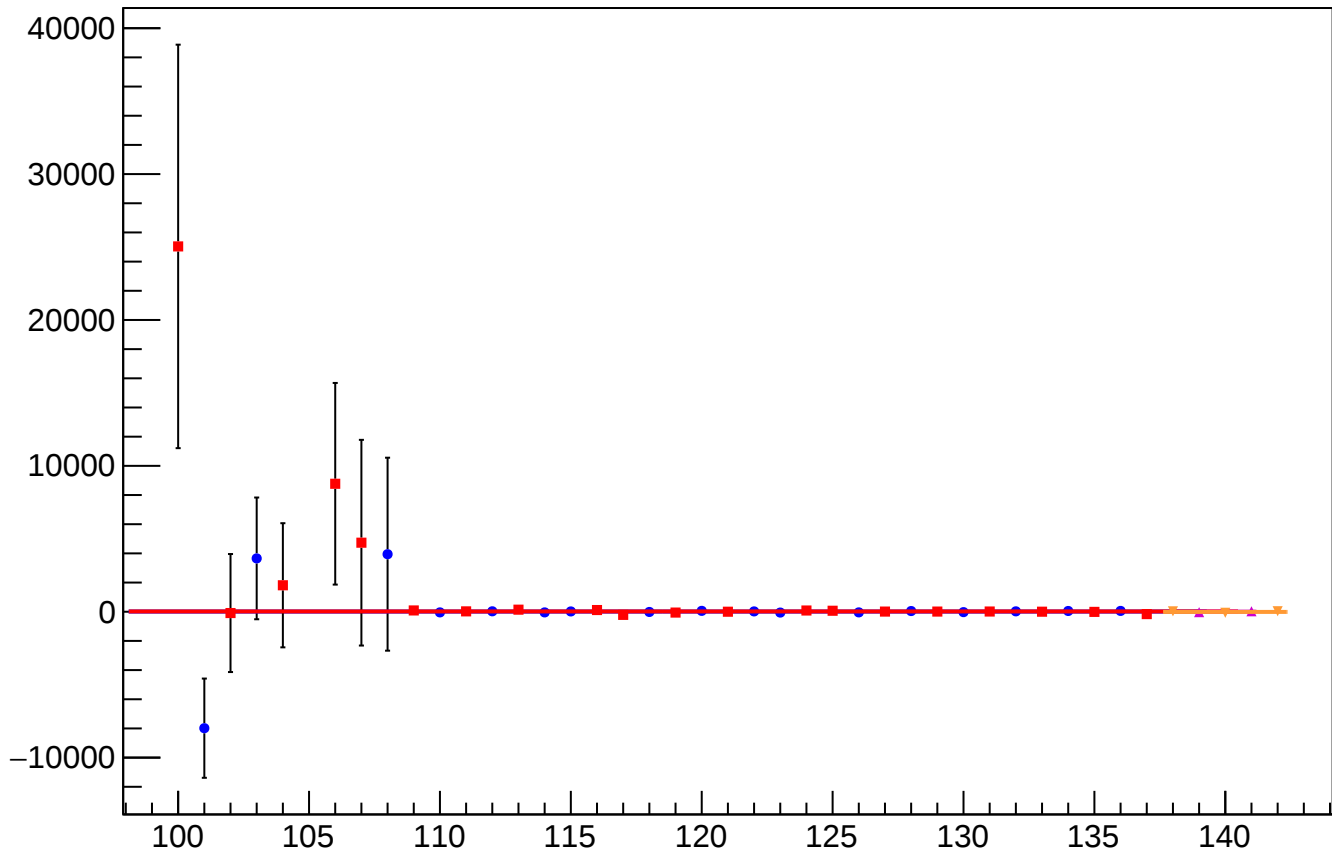
Left In: 217.286+/-0.124 χ^2/NDF : 196.0/1

200.300+/-0.055 χ^2/NDF : 3655449.3/19

190.503+/-0.038 χ^2/NDF : 8030206.9/41

181.833+/-0.052 χ^2/NDF : 4315532.0/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

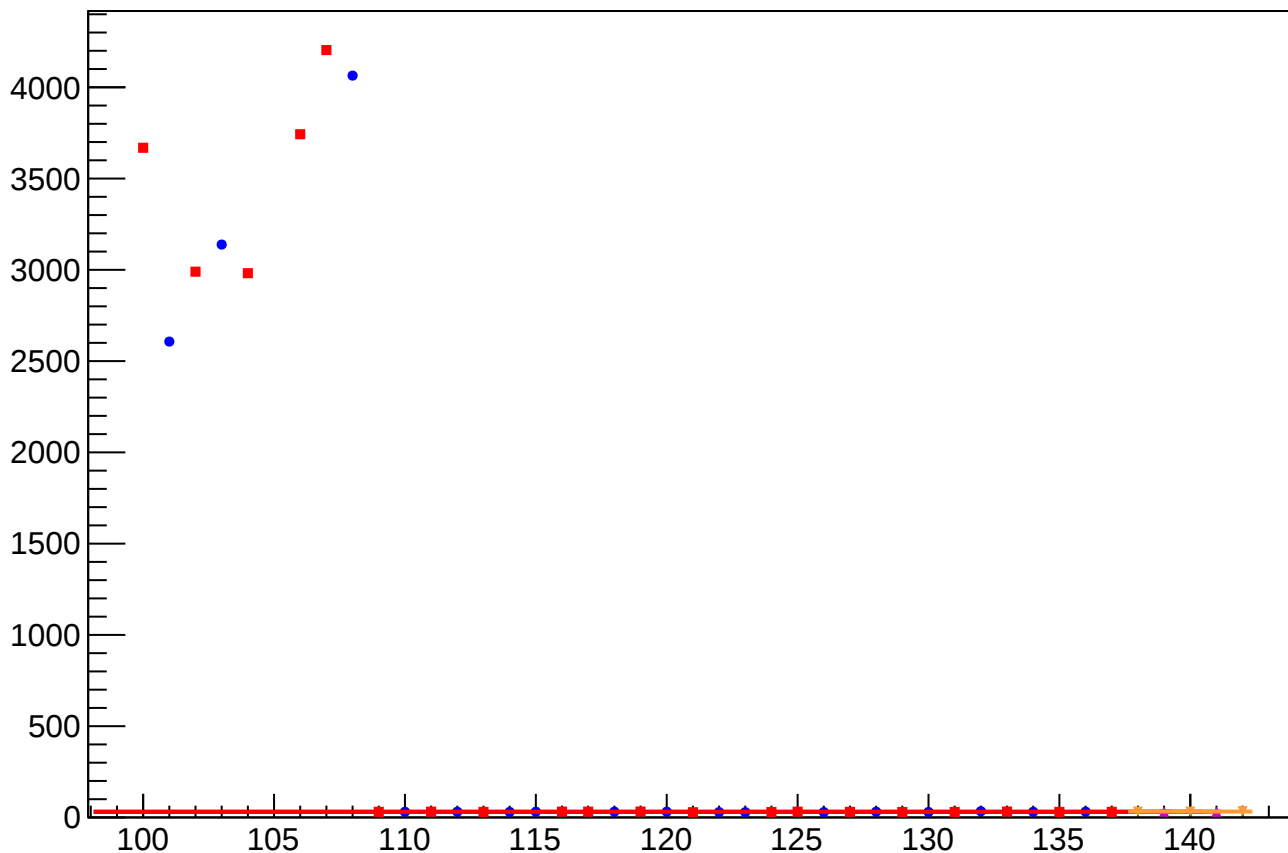
Left In: 4.990+/-25.178 χ^2/NDF : 1.4/1

6.249+/-11.815 χ^2/NDF : 20.1/19

11.643+/-8.409 χ^2/NDF : 52.7/41

17.180+/-11.970 χ^2/NDF : 32.1/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

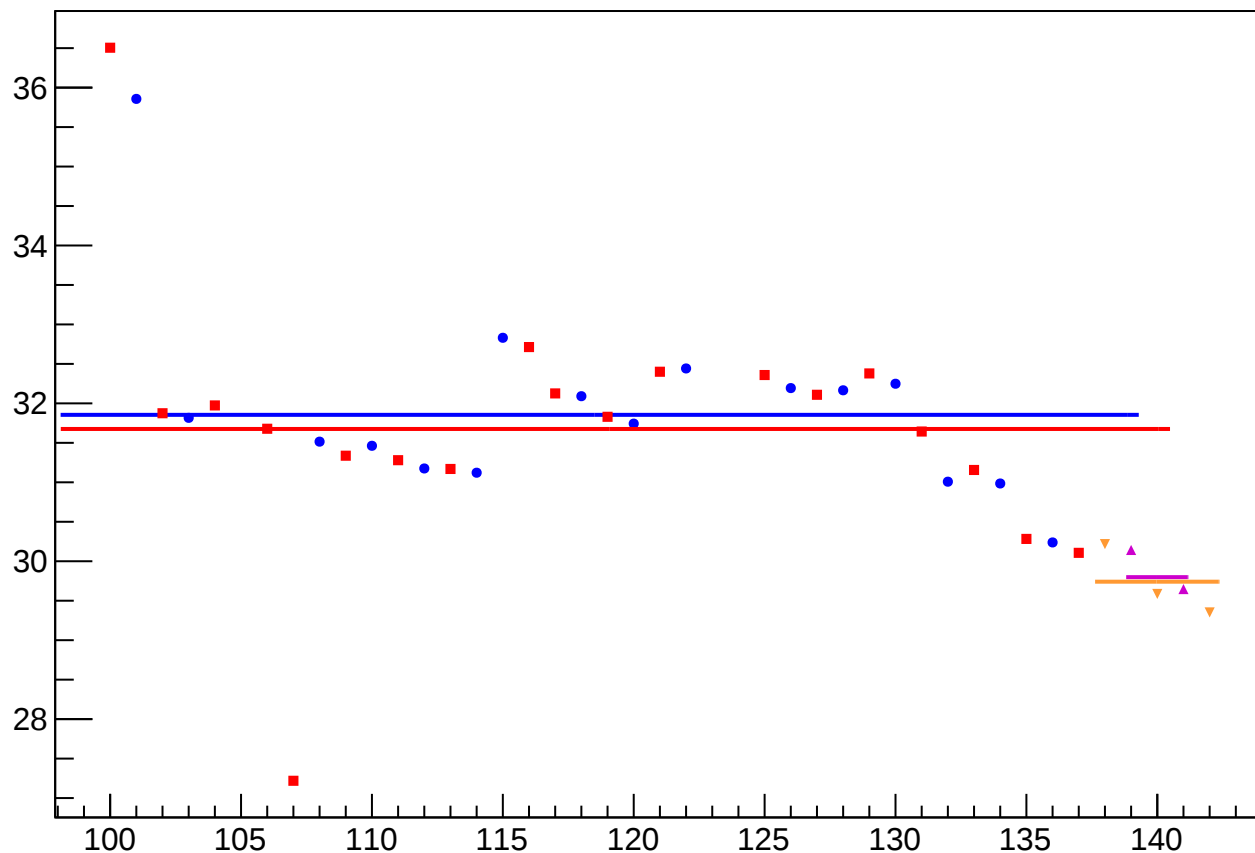
Left In: 31.485+/-0.018 χ^2/NDF :444.3/1

31.479+/-0.008 χ^2/NDF : 3022014.4/19

31.285+/-0.006 χ^2/NDF : 6483197.1/41

31.086+/-0.008 χ^2/NDF : 3460091.5/21

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2 /NDF: 1570522165.5/15

Left Out: 29.741+/-0.000 χ^2 /NDF: 26860729.1/2

Right Out: 31.676+/-0.000 χ^2 /NDF: 919678295.7/18

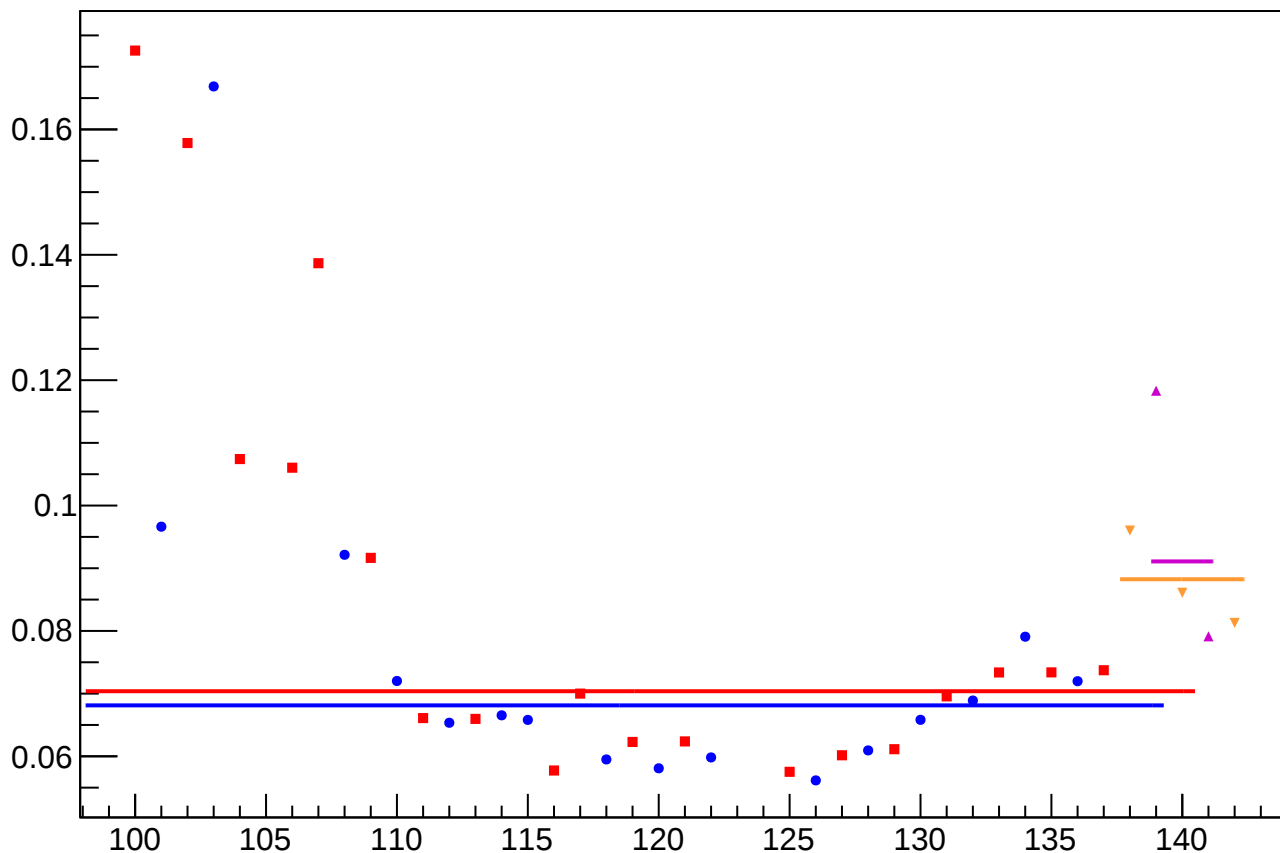
Left In: 29.798+/-0.000 χ^2 /NDF: 8477200.1/1

31.542+/-0.000 χ^2 /NDF: 2418752253.6/18

31.498+/-0.000 χ^2 /NDF: 3858305004.9/3

31.452+/-0.000 χ^2 /NDF: 1433781619.1/20

yield_usl_rms vs Slug, Sign Corrected



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

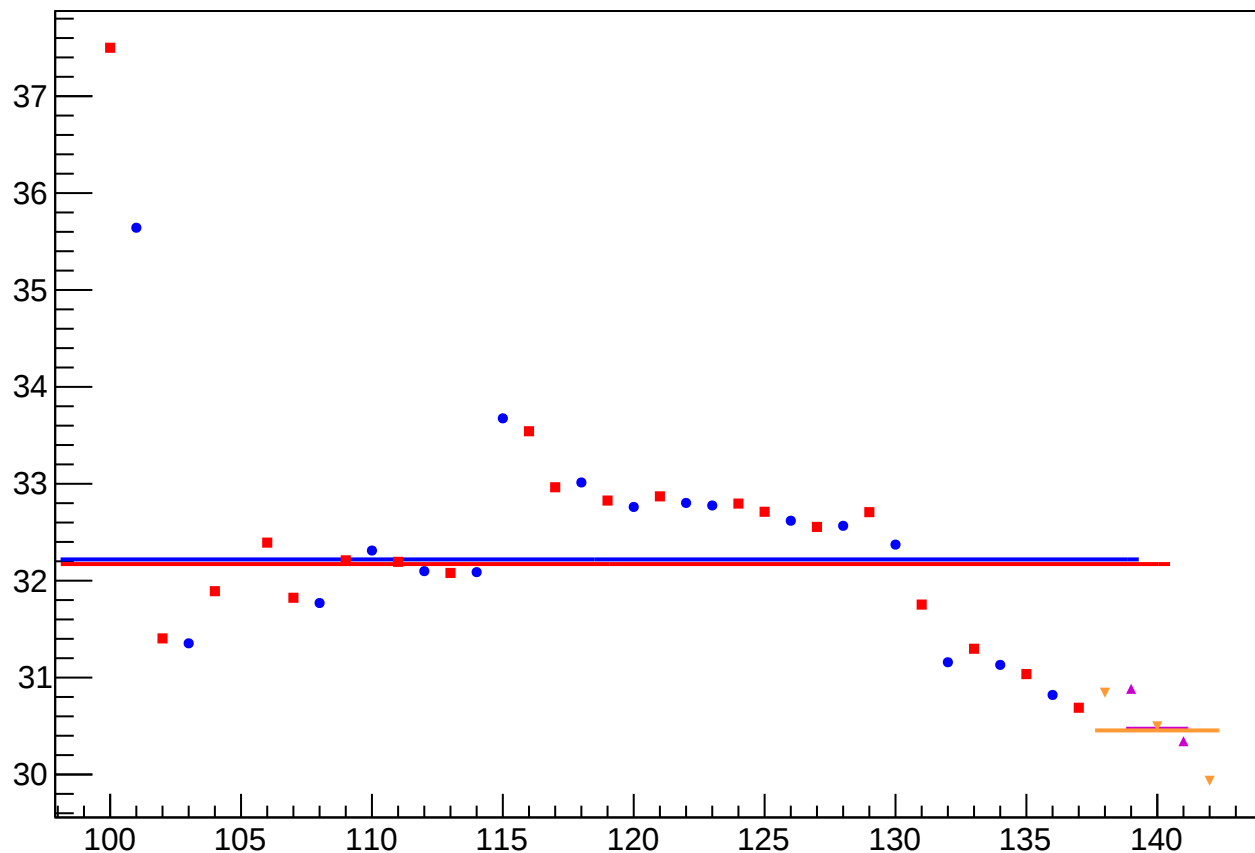
Left In: 0.091+/-0.000 χ^2/NDF : 106021.7/1

0.071+/-0.000 χ^2/NDF : 793468.8/18

0.072+/-0.000 χ^2/NDF : 1868193.3/39

0.073+/-0.000 χ^2/NDF : 1070379.6/20

yield_usr_mean vs Slug, Sign Corrected



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

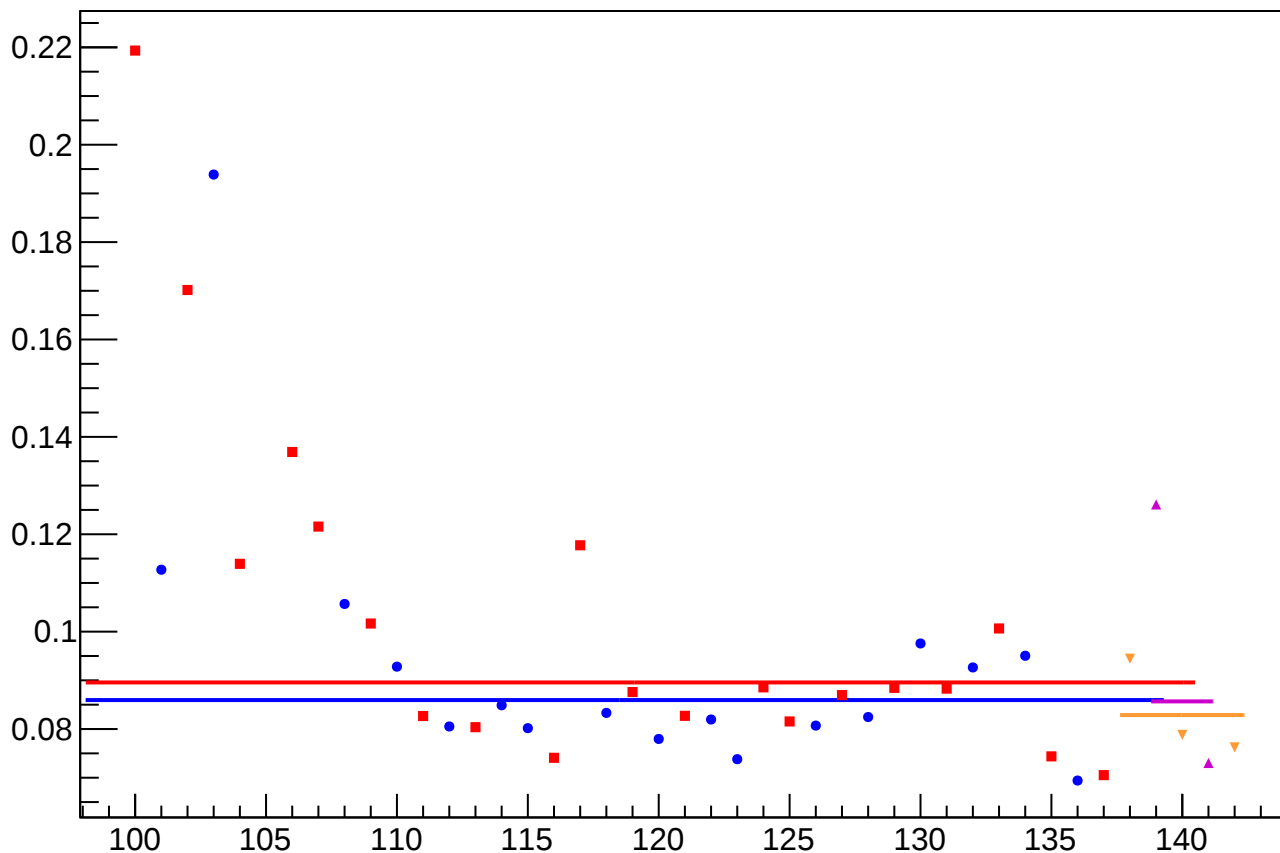
Left In: 30.472+/-0.000 χ^2/NDF : 9876030.4/1

31.801+/-0.000 χ^2/NDF : 1622504924.8/19

31.820+/-0.000 χ^2/NDF : 2509908678.8/4

31.841+/-0.000 χ^2/NDF : 886592864.7/21

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086 $\pm$ 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.083 $\pm$ 0.000 χ^2/NDF : 29033.4/2

Right Out: 0.090 $\pm$ 0.000 χ^2/NDF : 544516.7/19

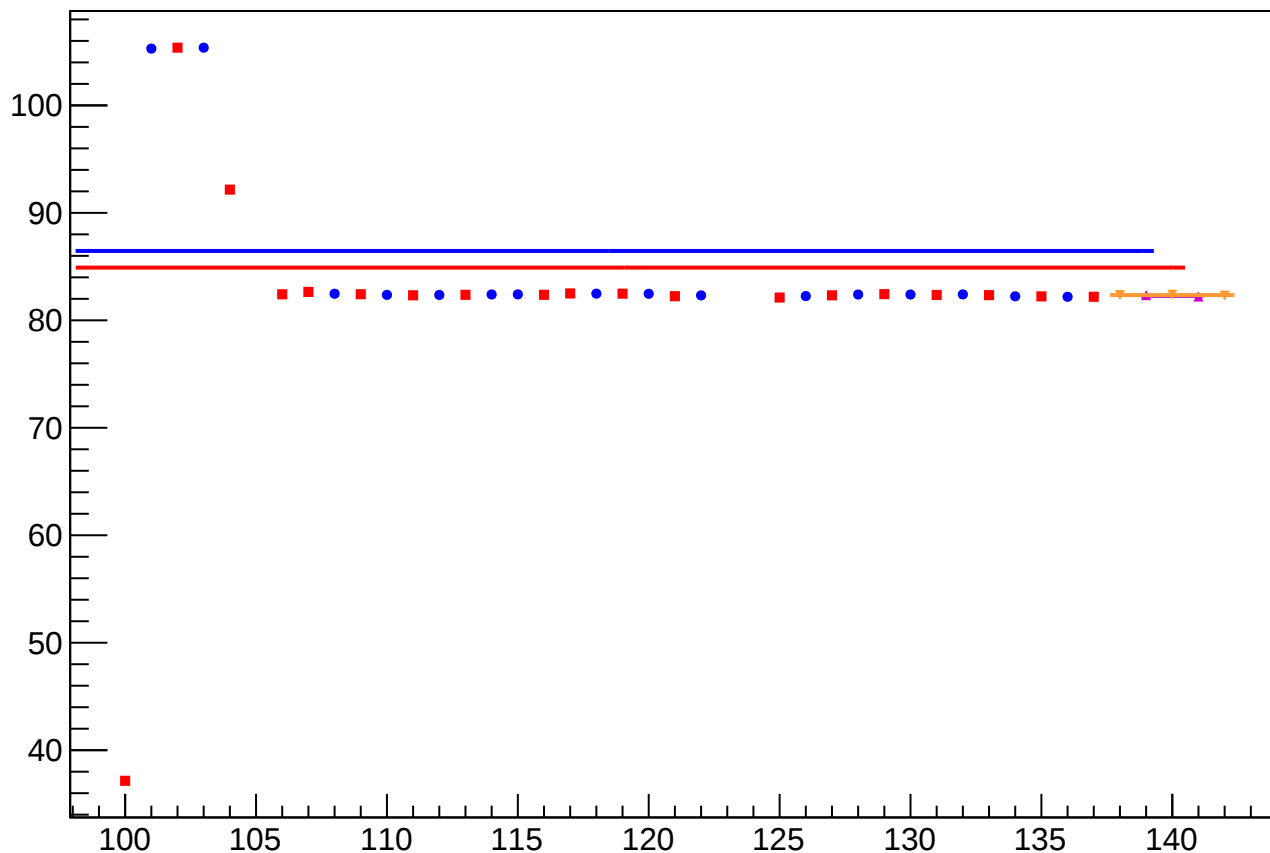
Left In: 0.086 $\pm$ 0.000 χ^2/NDF : 190335.0/1

0.085 $\pm$ 0.000 χ^2/NDF : 585835.9/19

0.087 $\pm$ 0.000 χ^2/NDF : 1338028.6/41

0.089 $\pm$ 0.000 χ^2/NDF : 739392.3/21

yield_dsl_mean vs Slug, Sign Corrected



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

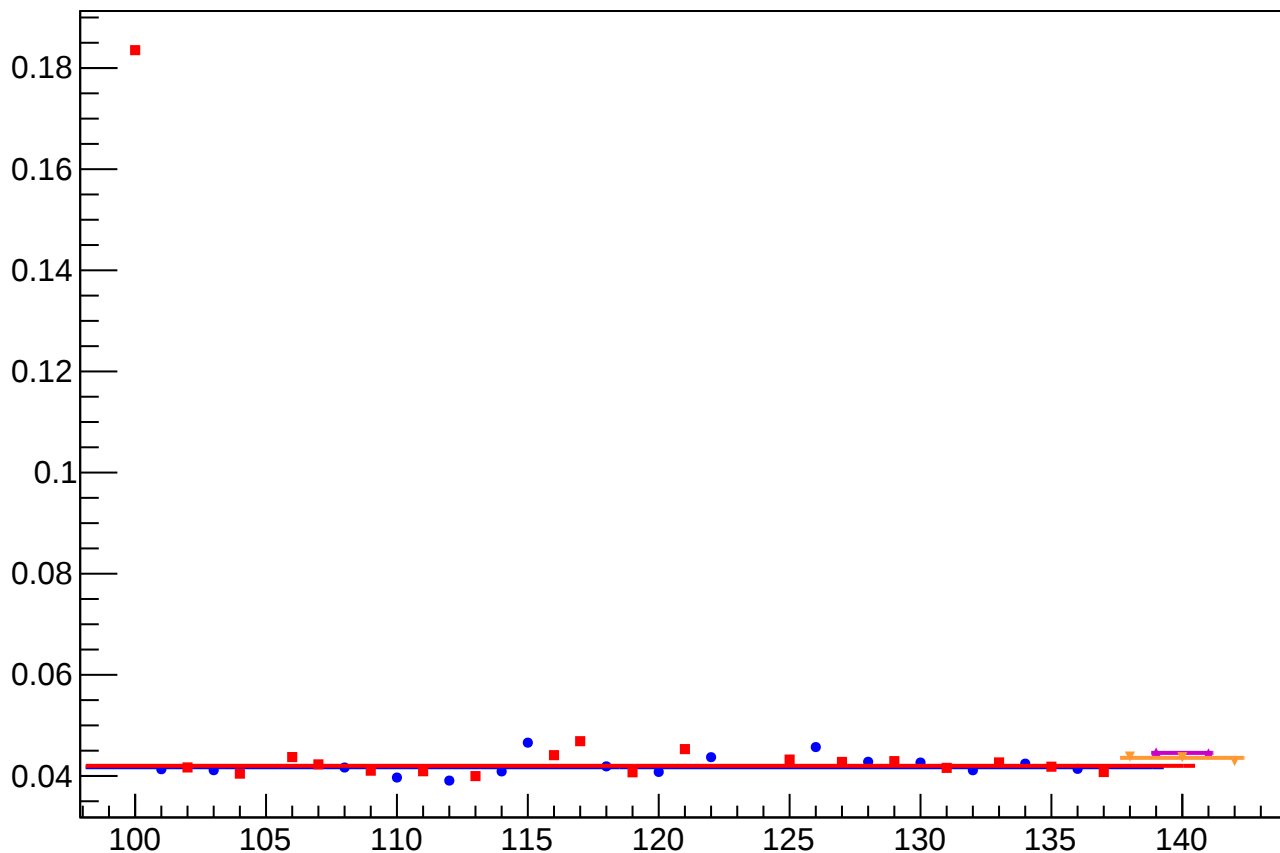
Left In: 82.276 +/- 0.000 χ^2/NDF : 3191031.4/1

85.582 +/- 0.000 χ^2/NDF : 304957992054.6/18

85.032 +/- 0.000 χ^2/NDF : 484687697597.9

84.472 +/- 0.000 χ^2/NDF : 176807824783.3/20

yield_dsl_rms vs Slug, Sign Corrected



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

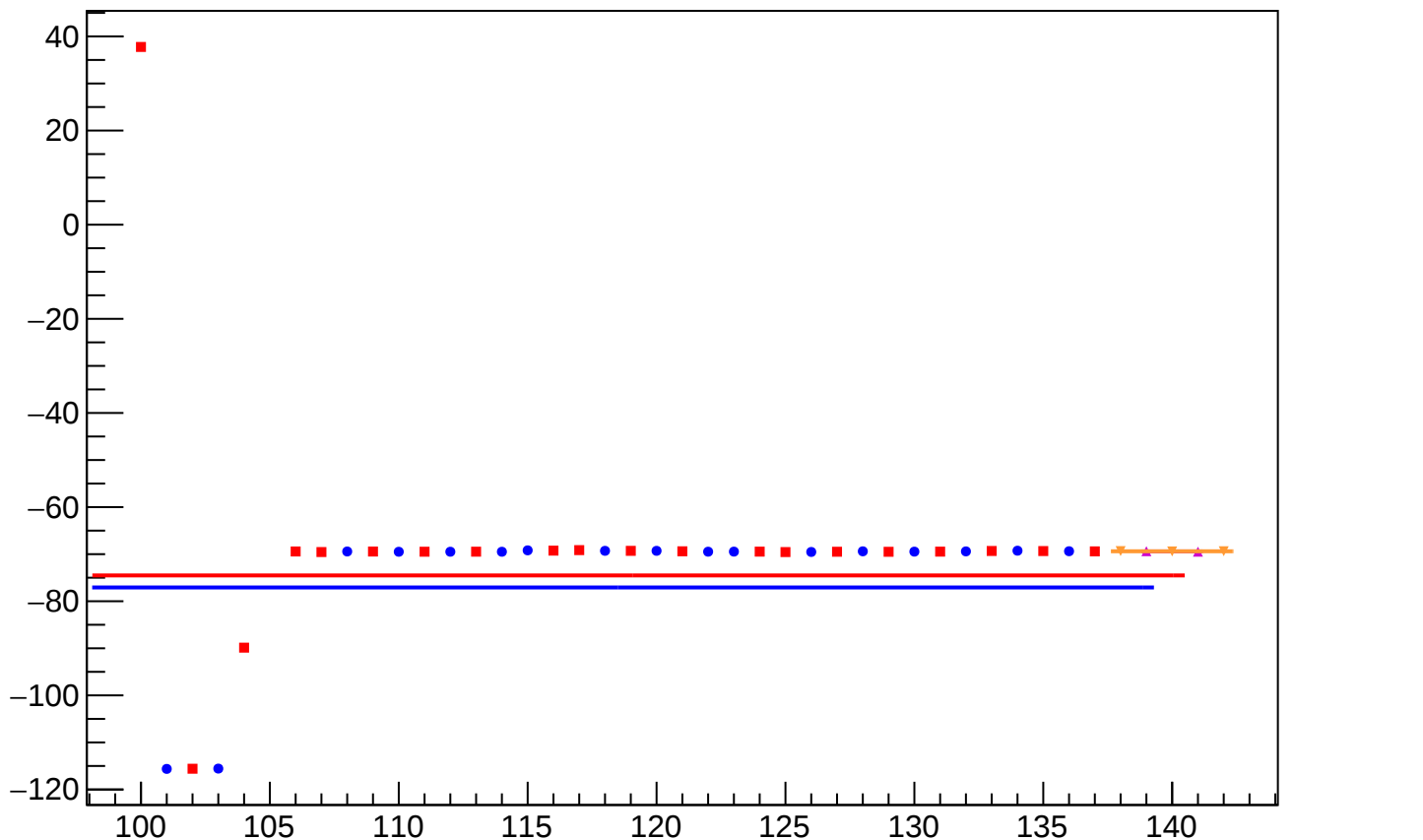
Left In: 0.045+/-0.000 χ^2/NDF : 11.2/1

0.042+/-0.000 χ^2/NDF : 24668.6/18

0.042+/-0.000 χ^2/NDF : 131400.4/39

0.042+/-0.000 χ^2/NDF : 106290.8/20

yield_dsr_mean vs Slug, Sign Corrected



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

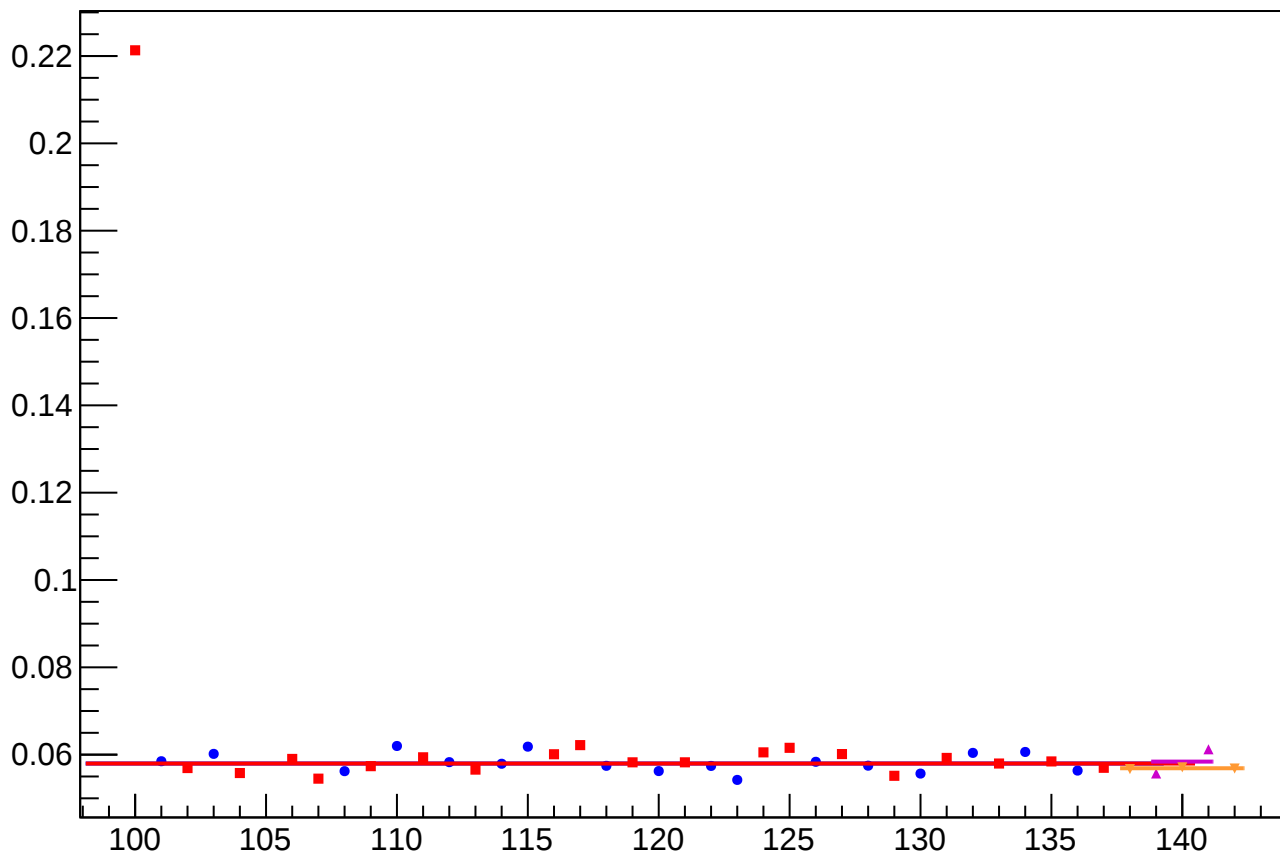
Left In: -69.418+/-0.000 χ^2/NDF : 1164202.1/1

-75.271+/-0.000 χ^2/NDF : 591926839240.0/19

-74.442+/-0.000 χ^2/NDF : 977080320401.0/19

-73.611+/-0.000 χ^2/NDF : 381706850107.4/21

yield_dsr_rms vs Slug, Sign Corrected



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

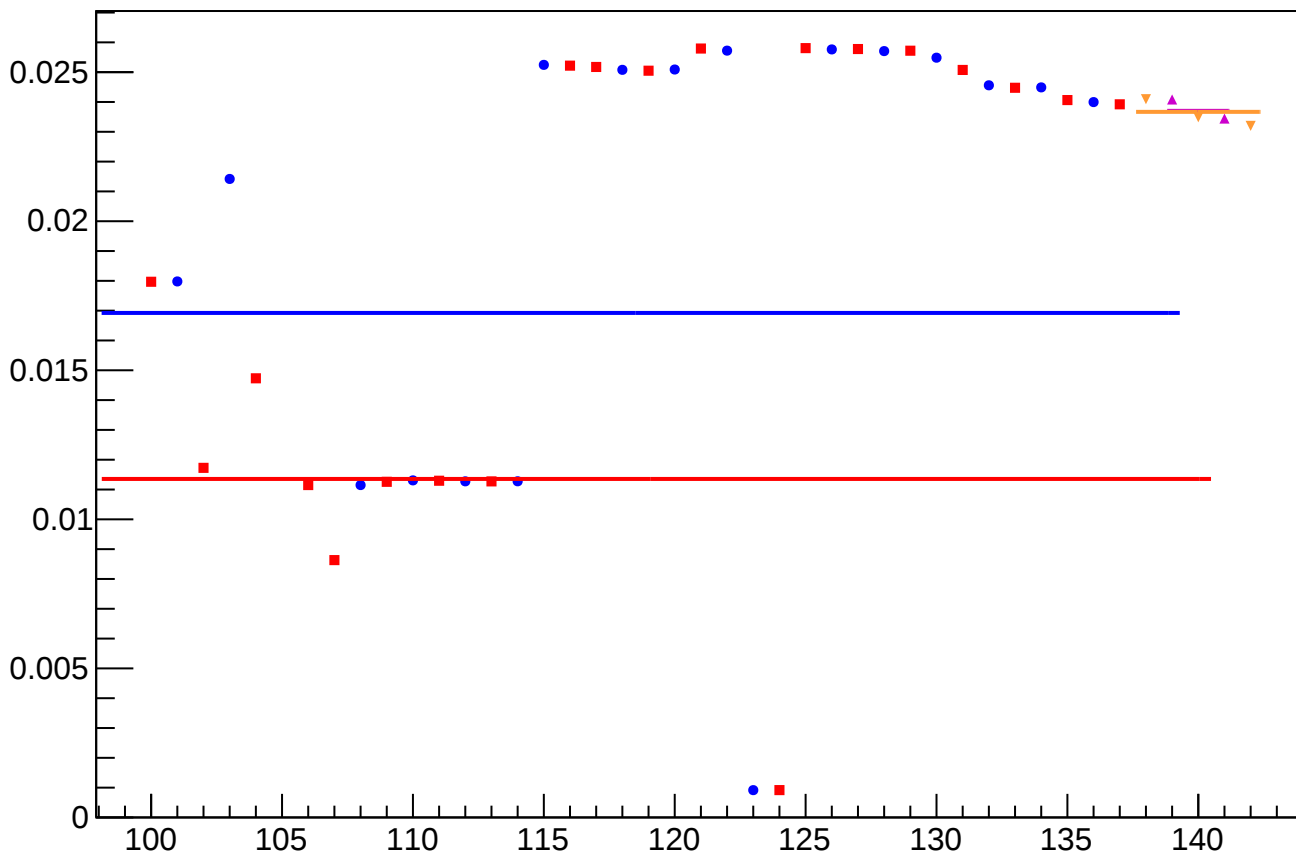
Left In: 0.058+/-0.000 χ^2/NDF : 6810.3/1

0.058+/-0.000 χ^2/NDF : 13373.4/19

0.058+/-0.000 χ^2/NDF : 107454.9/41

0.058+/-0.000 χ^2/NDF : 93815.4/21

yield_atl1_mean vs Slug, Sign Corrected



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

0.018 $\pm$ 0.000 χ^2/NDF : 137944158804.1/19

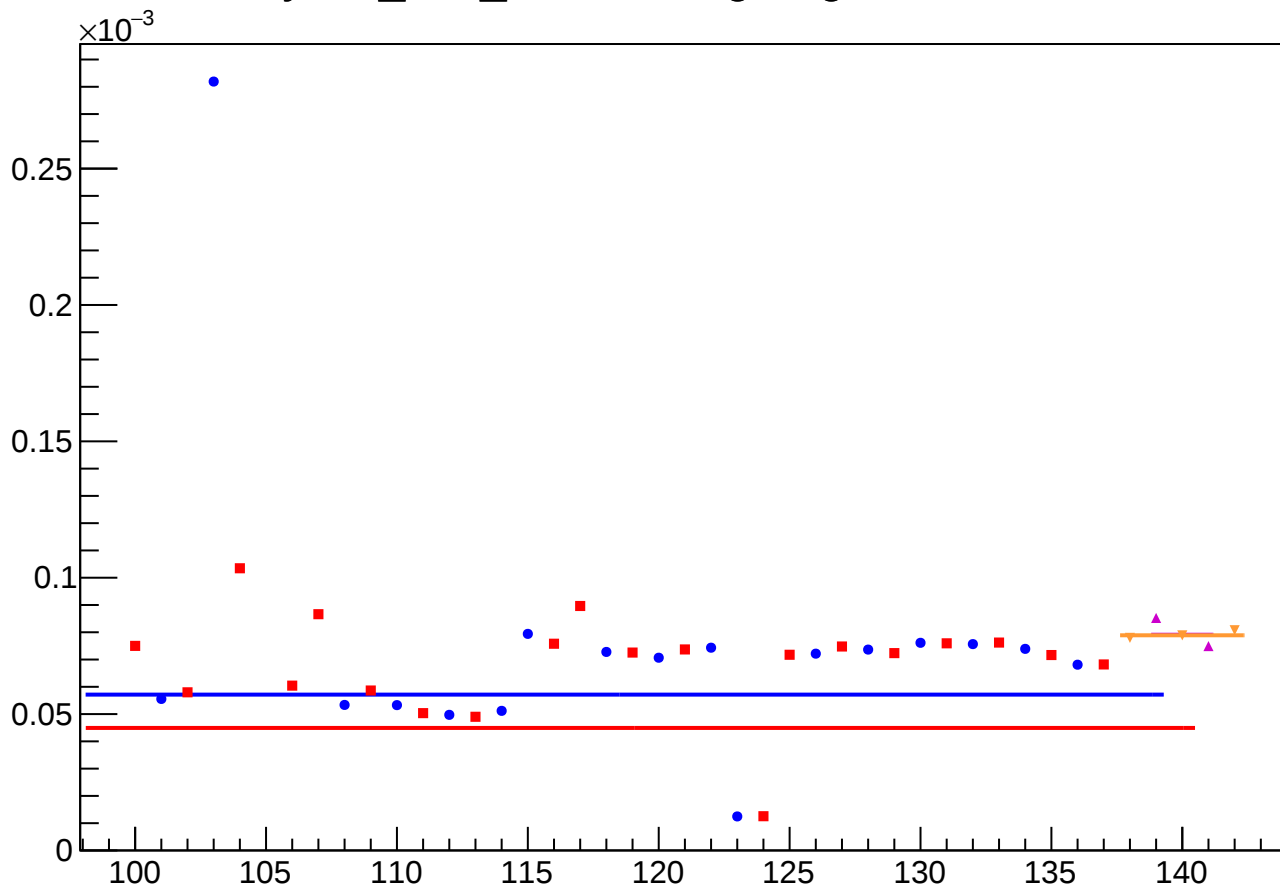
0.015 $\pm$ 0.000 χ^2/NDF : 440790158603.2/19

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 235754579473.9/19

0.012 $\pm$ 0.000 χ^2/NDF : 269265294965.0/21

Left In: 0.024 $\pm$ 0.000 χ^2/NDF : 23844343.3/1

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2000446.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:637.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3613155.3/19

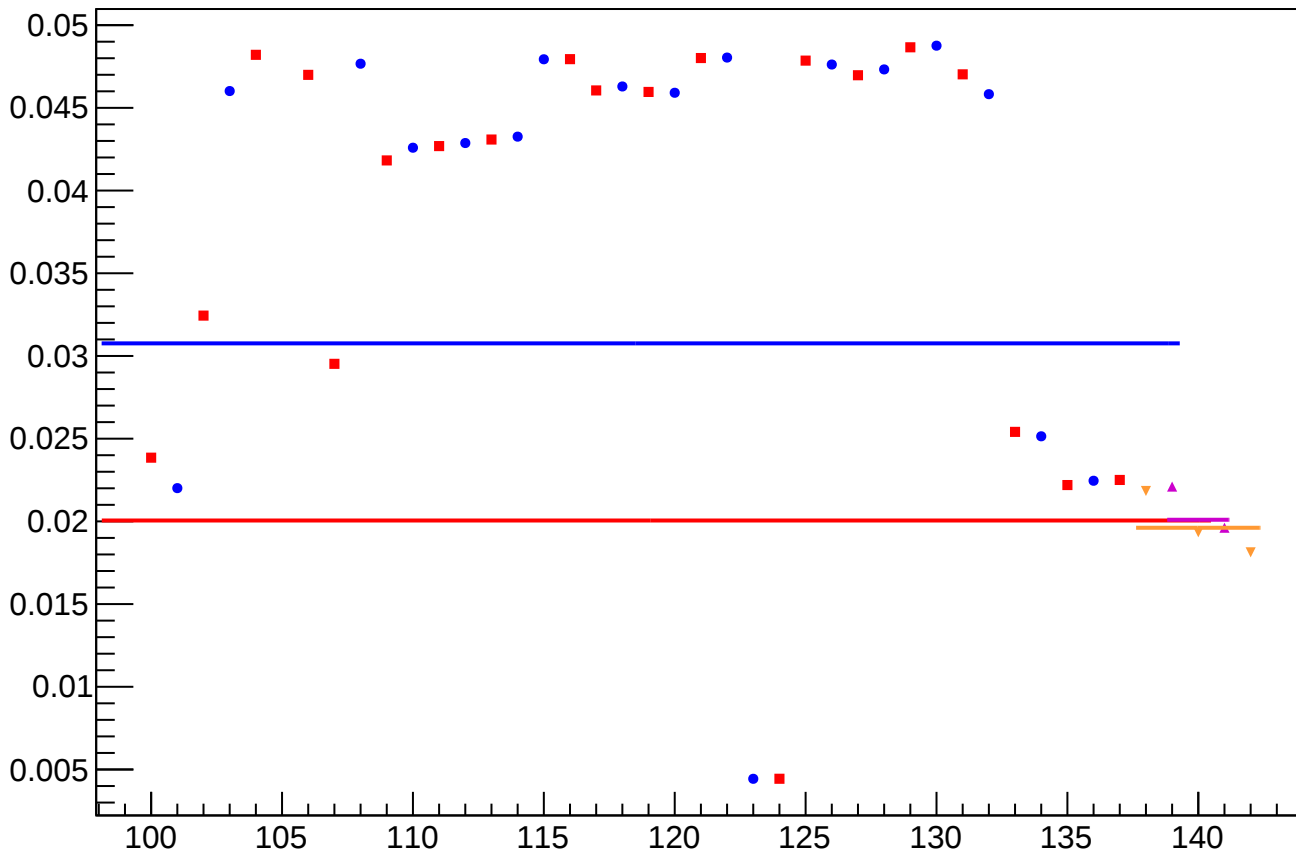
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:12405.0/1

0.000 $\pm$ 0.000 χ^2 /NDF: 2239413.8/19

0.000 $\pm$ 0.000 χ^2 /NDF: 6722985.7/41

0.000 $\pm$ 0.000 χ^2 /NDF: 4138607.0/21

yield_atl2_mean vs Slug, Sign Corrected



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

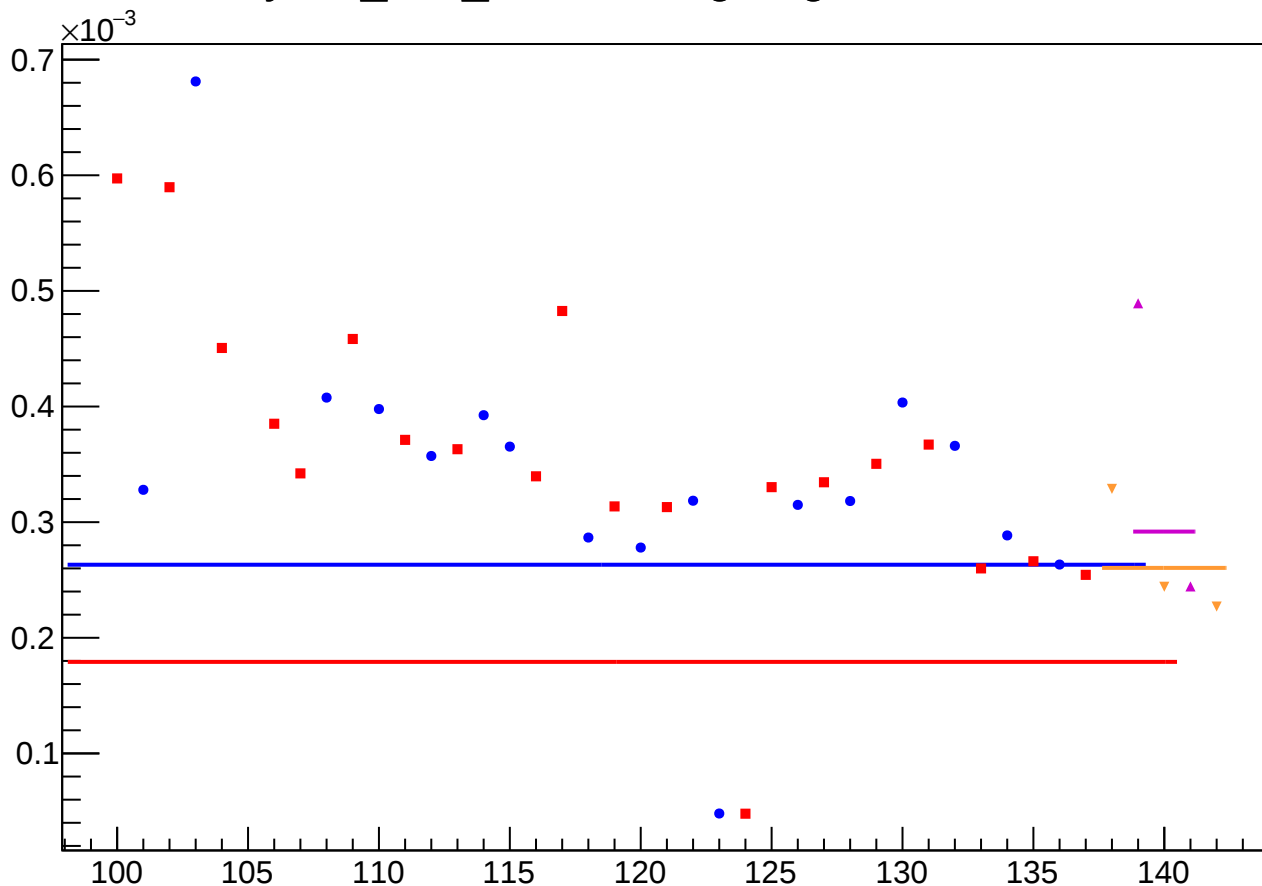
Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

0.023+/-0.000 χ^2/NDF : 67024156061.2/4

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, Sign Corrected



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

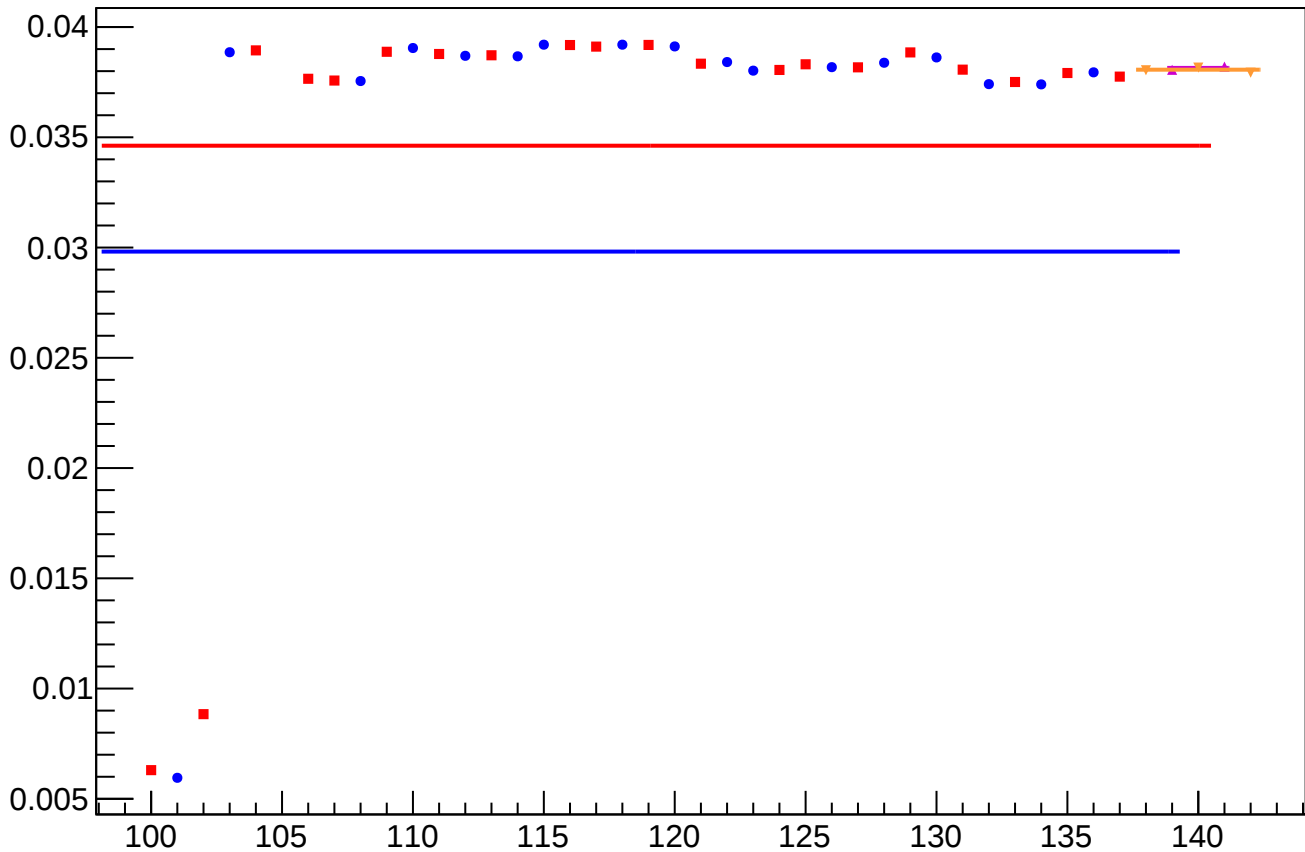
Left In: 0.000+/-0.000 χ^2/NDF : 283401.6/1

0.000+/-0.000 χ^2/NDF : 2478165.8/19

0.000+/-0.000 χ^2/NDF : 9024123.7/41

0.000+/-0.000 χ^2/NDF : 5998177.9/21

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.038 $\pm$ 0.000 χ^2 /NDF: 708375.5/2

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43717644957.2/19

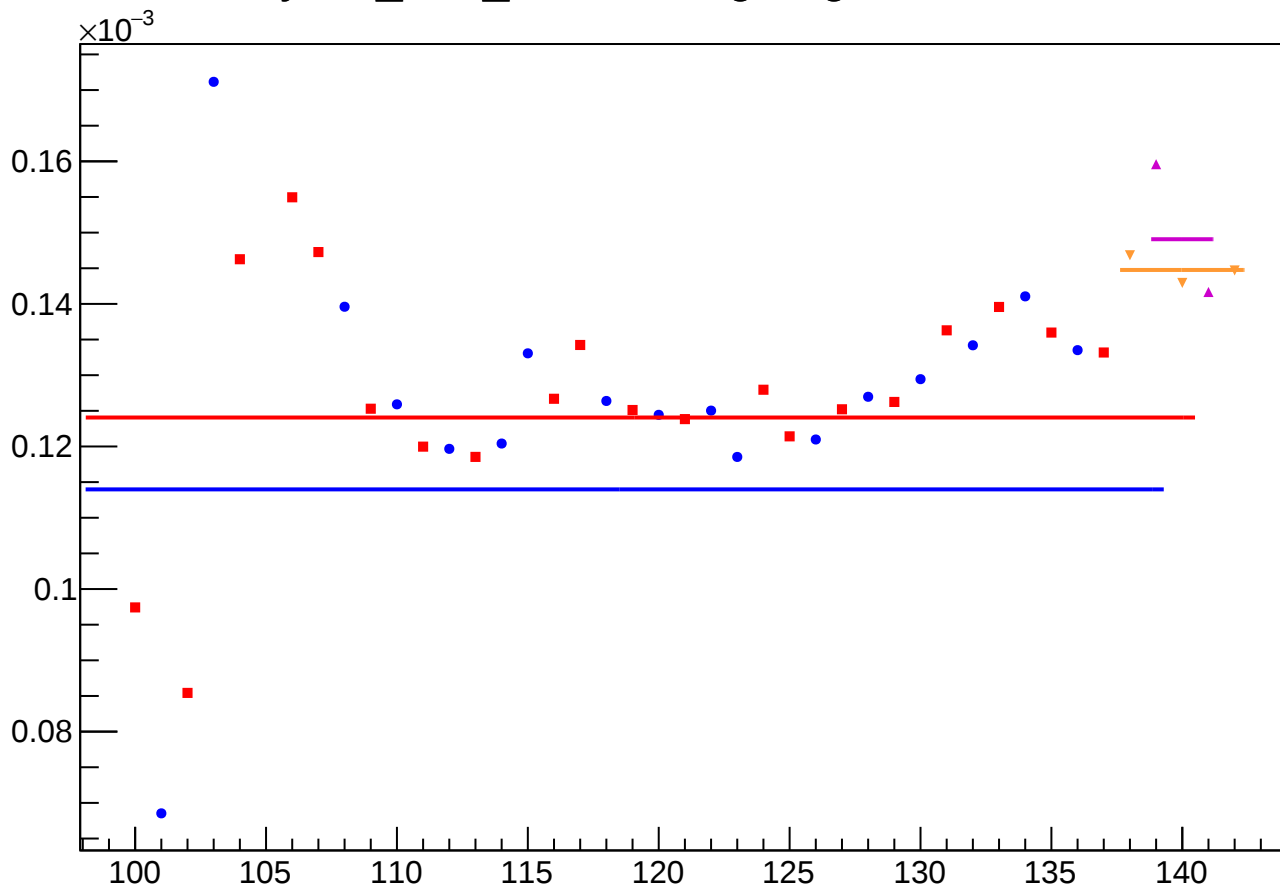
Left In: 0.038 $\pm$ 0.000 χ^2 /NDF: 345217.6/1

0.031 $\pm$ 0.000 χ^2 /NDF: 102244835622.5/19

0.033 $\pm$ 0.000 χ^2 /NDF: 150876008223.4/1

0.035 $\pm$ 0.000 χ^2 /NDF: 44448970627.2/21

yield_atr1_rms vs Slug, Sign Corrected



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

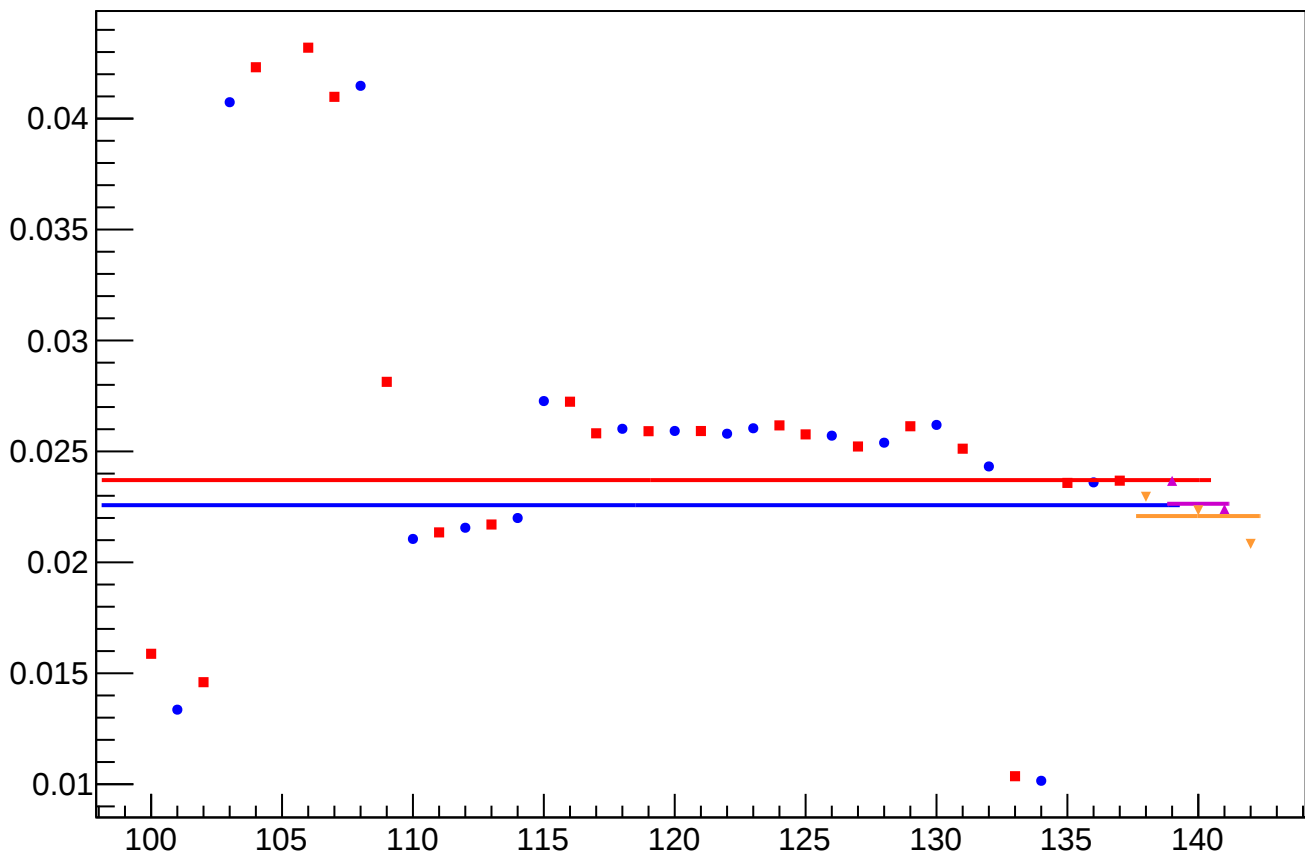
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:10580.0/1

0.000 $\pm$ 0.000 χ^2 /NDF: 936874.3/19

0.000 $\pm$ 0.000 χ^2 /NDF: 1305655.0/41

0.000 $\pm$ 0.000 χ^2 /NDF: 329715.7/21

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.022+/-0.000 χ^2/NDF : 17657016.5/2

Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

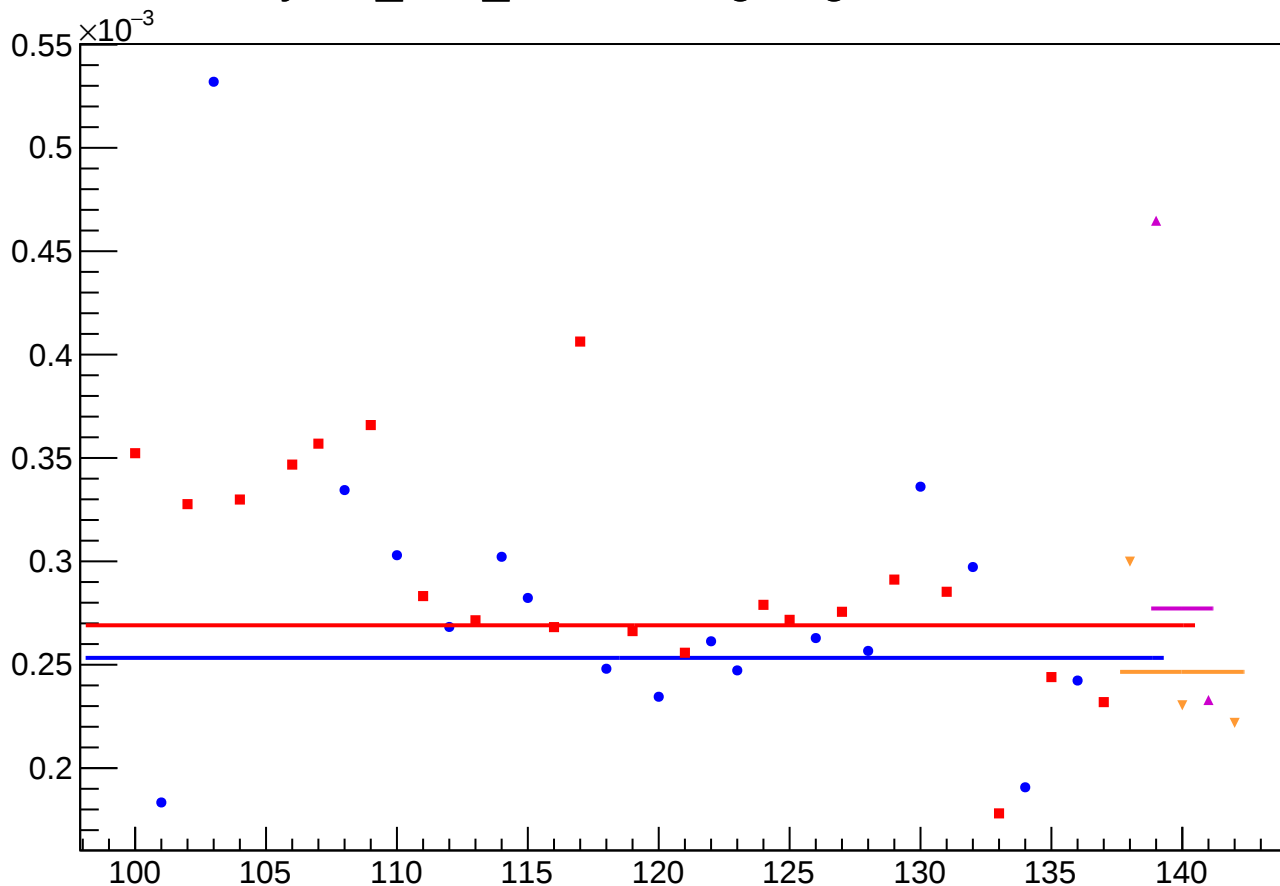
Left In: 0.023+/-0.000 χ^2/NDF : 4283442.5/1

0.022+/-0.000 χ^2/NDF : 4270335980.8/19

0.023+/-0.000 χ^2/NDF : 10005064205.7/4

0.024+/-0.000 χ^2/NDF : 5672923166.1/21

yield_atr2_rms vs Slug, Sign Corrected



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

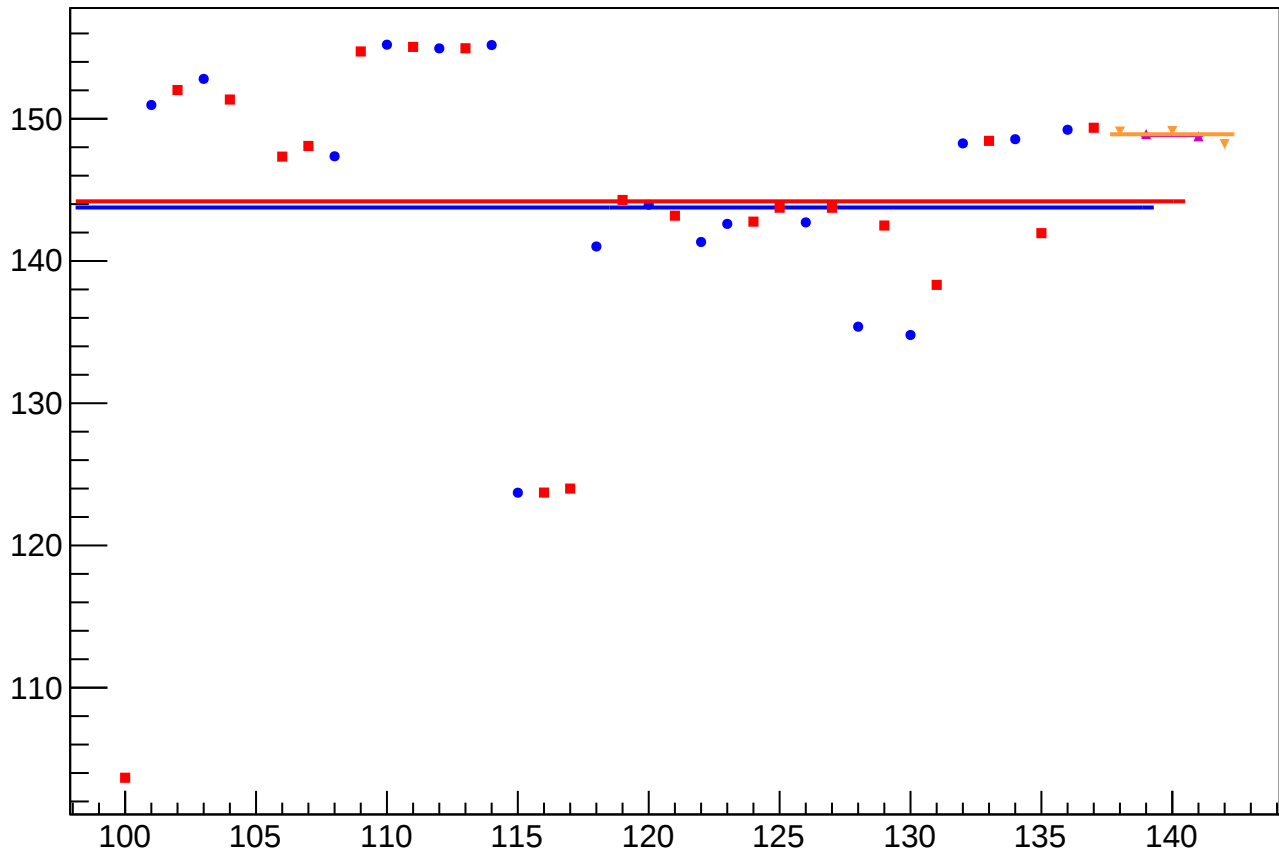
Left In: 0.000+/-0.000 χ^2/NDF :282247.3/1

0.000+/-0.000 χ^2/NDF : 686282.3/19

0.000+/-0.000 χ^2/NDF : 1445992.1/41

0.000+/-0.000 χ^2/NDF : 721832.9/21

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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

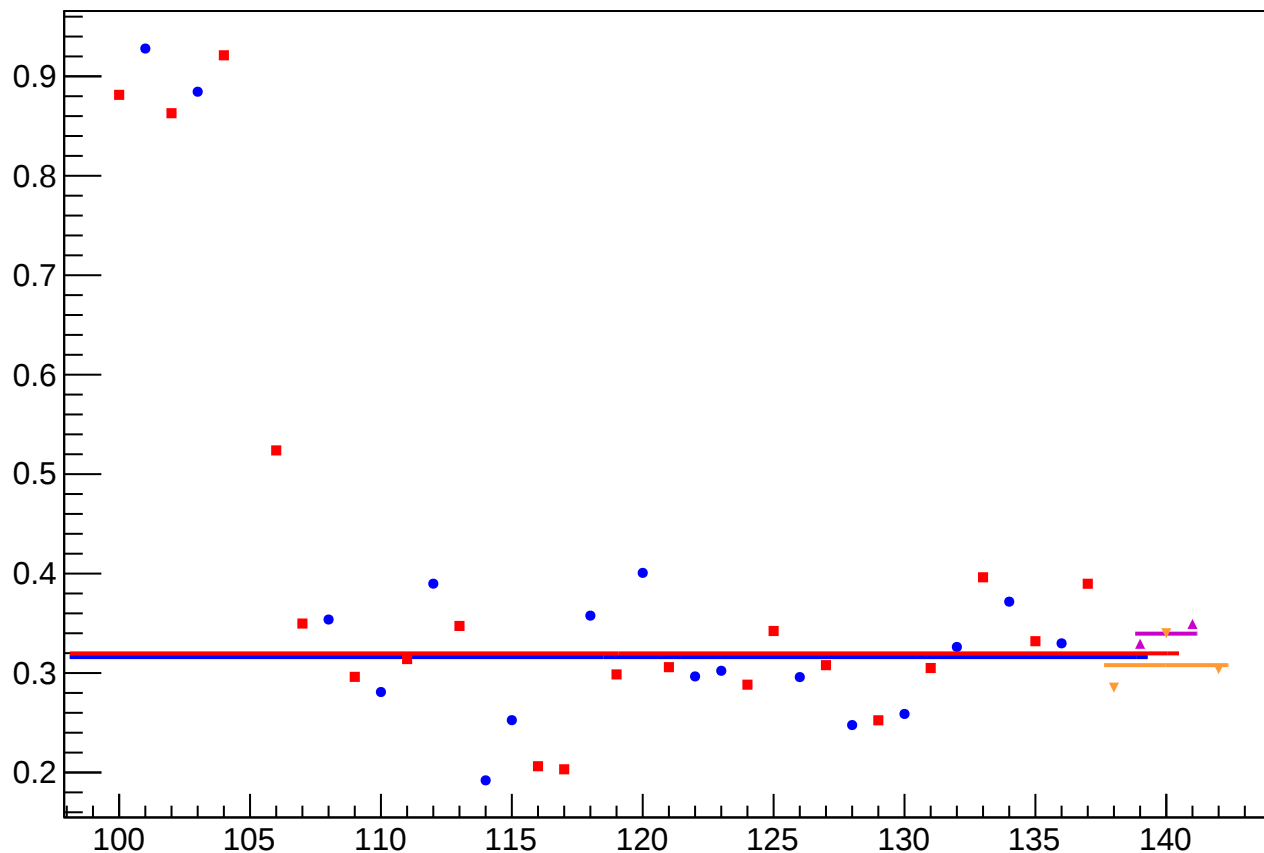
Left In: 148.847+/-0.000 χ^2/NDF : 79816.1/1

145.128+/-0.000 χ^2/NDF : 3928381669.3/19

145.097+/-0.000 χ^2/NDF : 8683965806.5/19

145.065+/-0.000 χ^2/NDF : 4755442015.6/21

yield_bcm_an_ds_rms vs Slug, Sign Corrected



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

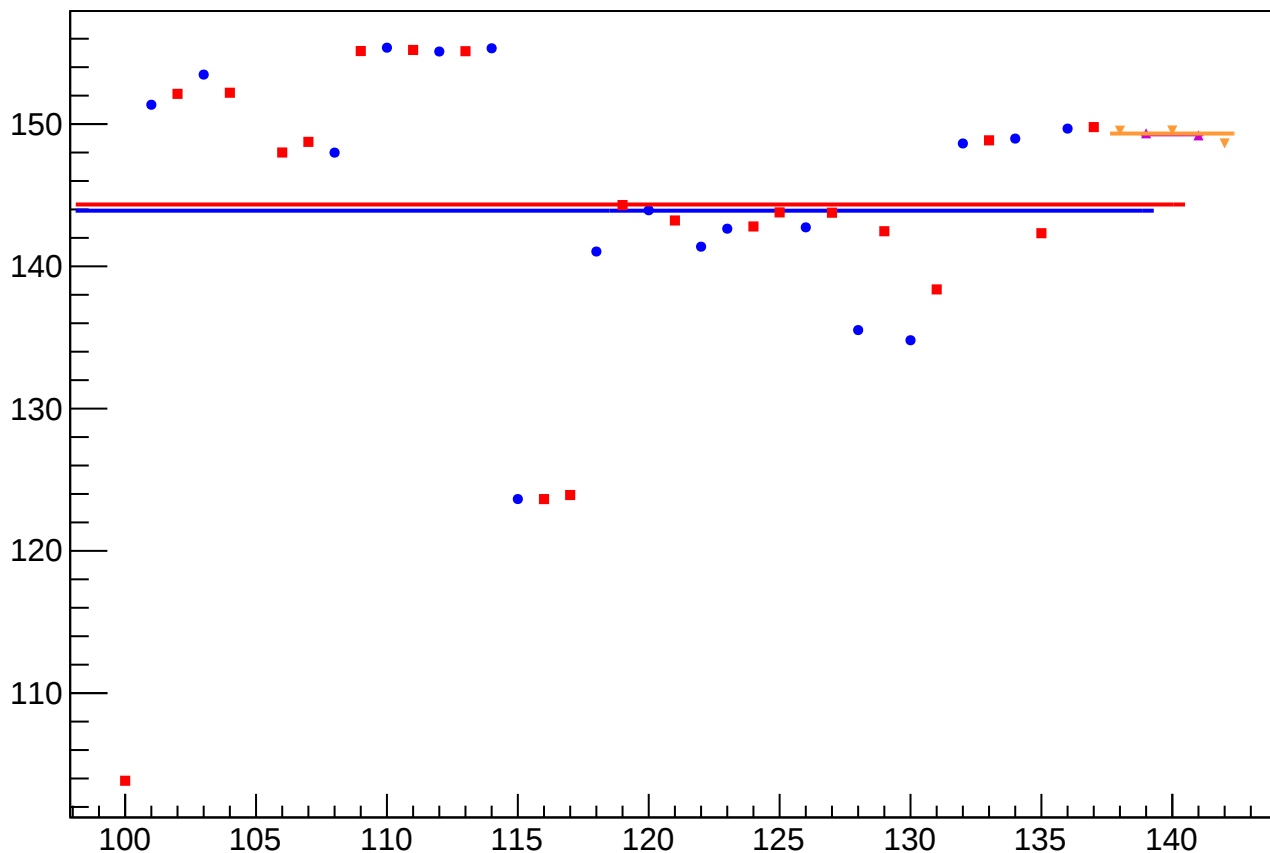
Left In: 0.340+/-0.000 χ^2/NDF : 2617.8/1

0.314+/-0.000 χ^2/NDF : 1290845.1/19

0.319+/-0.000 χ^2/NDF : 2550393.0/41

0.323+/-0.000 χ^2/NDF : 1252829.4/21

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



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

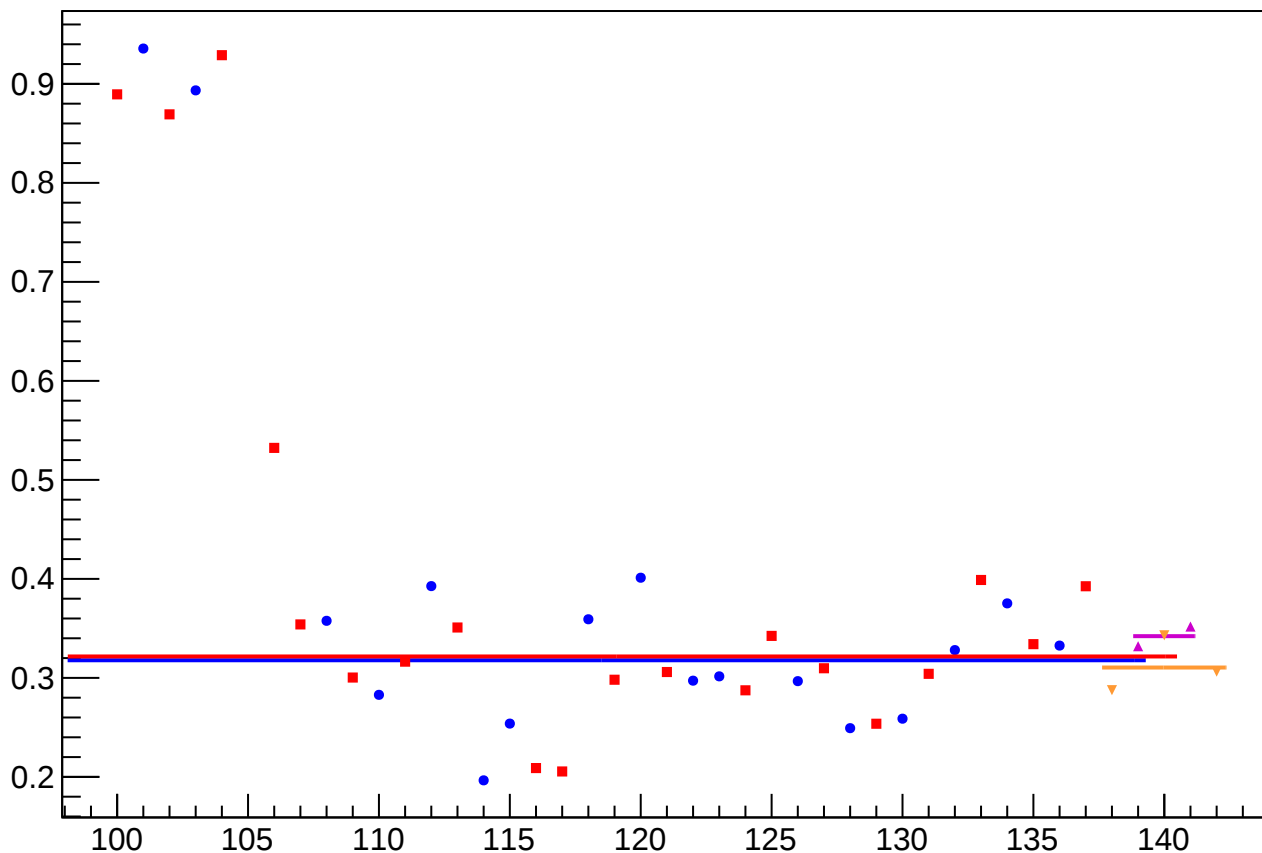
Left In: 149.277+/-0.000 χ^2/NDF : 68099.9/1

145.344+/-0.000 χ^2/NDF : 4017650426.2/19

145.306+/-0.000 χ^2/NDF : 8825848856.6/19

145.265+/-0.000 χ^2/NDF : 4807973091.6/21

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



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

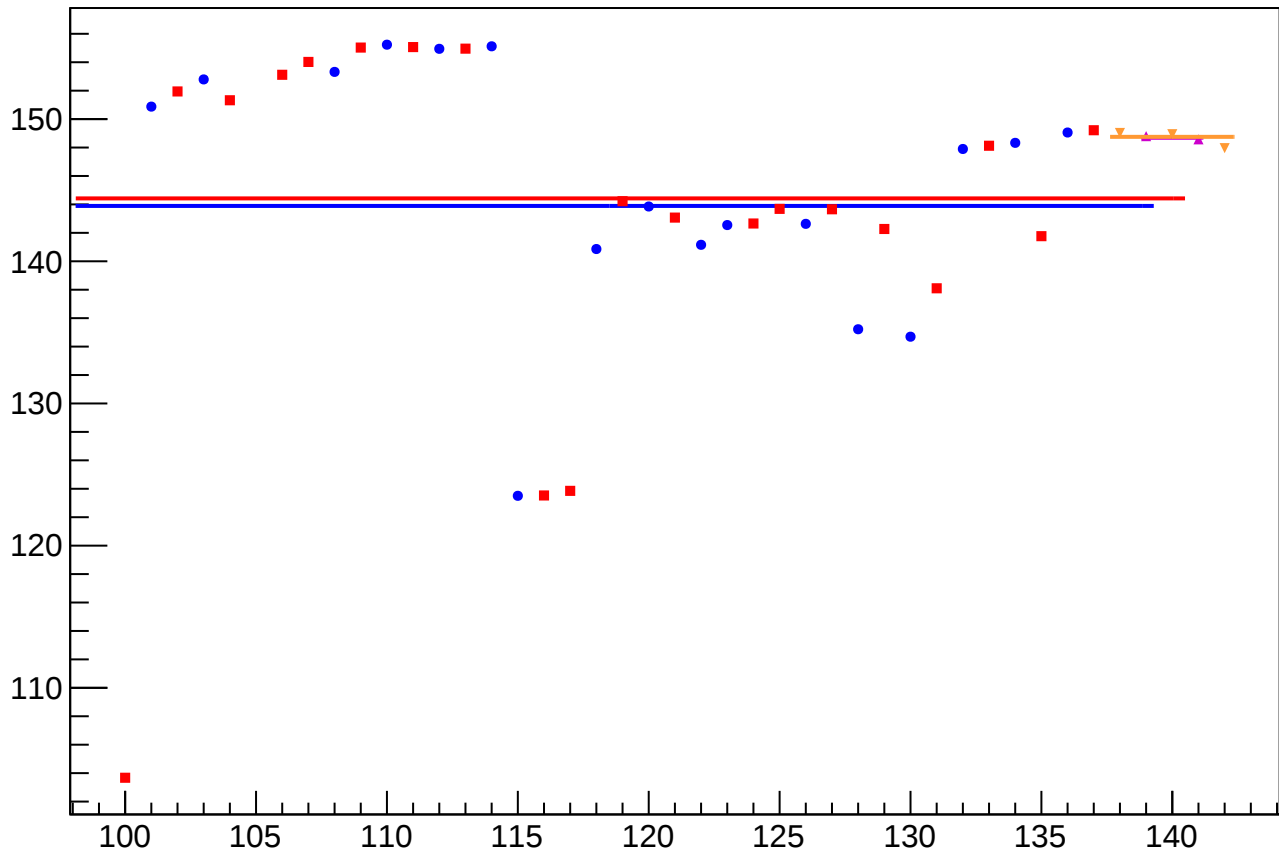
Left In: 0.342+/-0.000 χ^2/NDF : 2563.7/1

0.316+/-0.000 χ^2/NDF : 1293044.1/19

0.321+/-0.000 χ^2/NDF : 2555459.5/41

0.325+/-0.000 χ^2/NDF : 1255775.2/21

yield_bcm_an_us_mean vs Slug, Sign Corrected



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

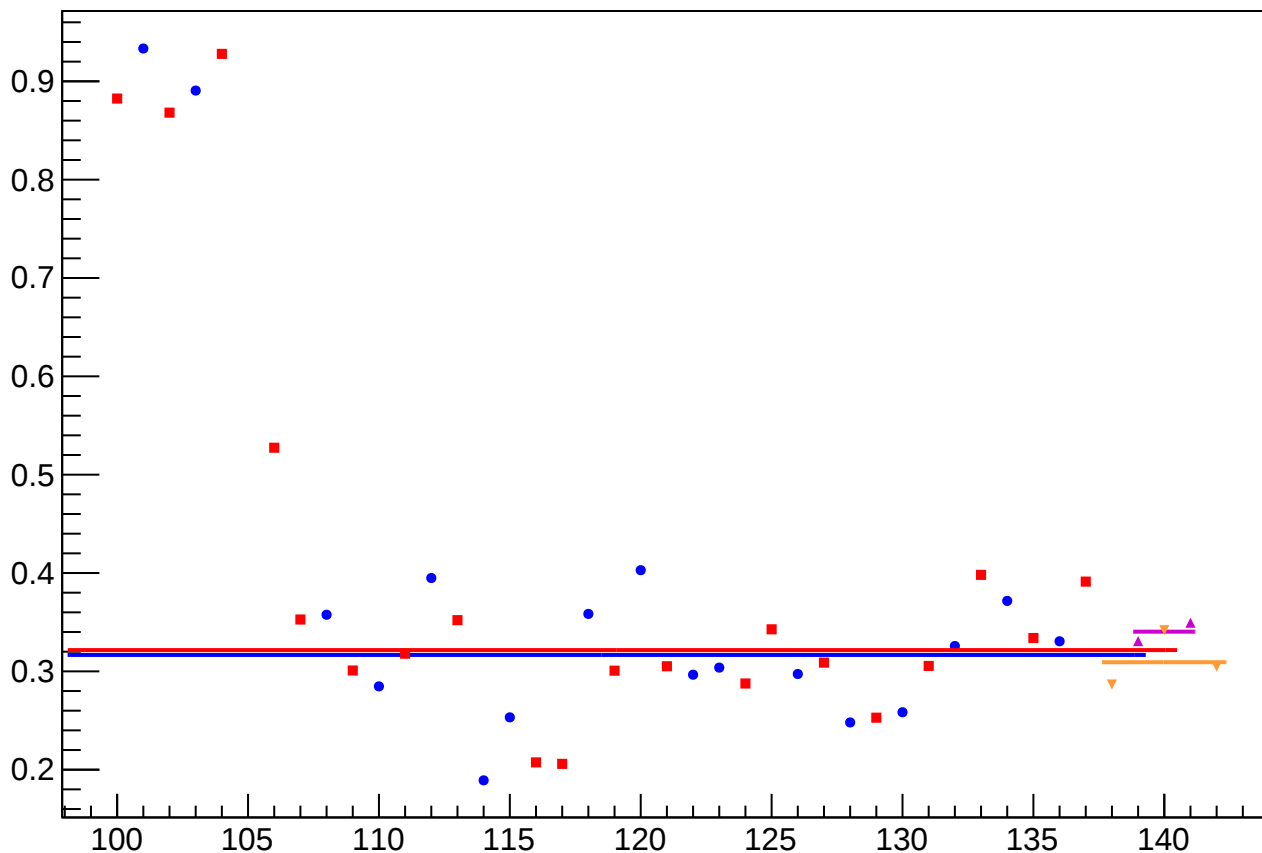
Left In: 148.687+/-0.000 χ^2/NDF : 165511.7/1

145.178+/-0.000 χ^2/NDF : 4101471368.8/19

145.200+/-0.000 χ^2/NDF : 9114985722.8/19

145.224+/-0.000 χ^2/NDF : 5013438518.6/21

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.309+/-0.000 χ^2/NDF : 23220.0/2

Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

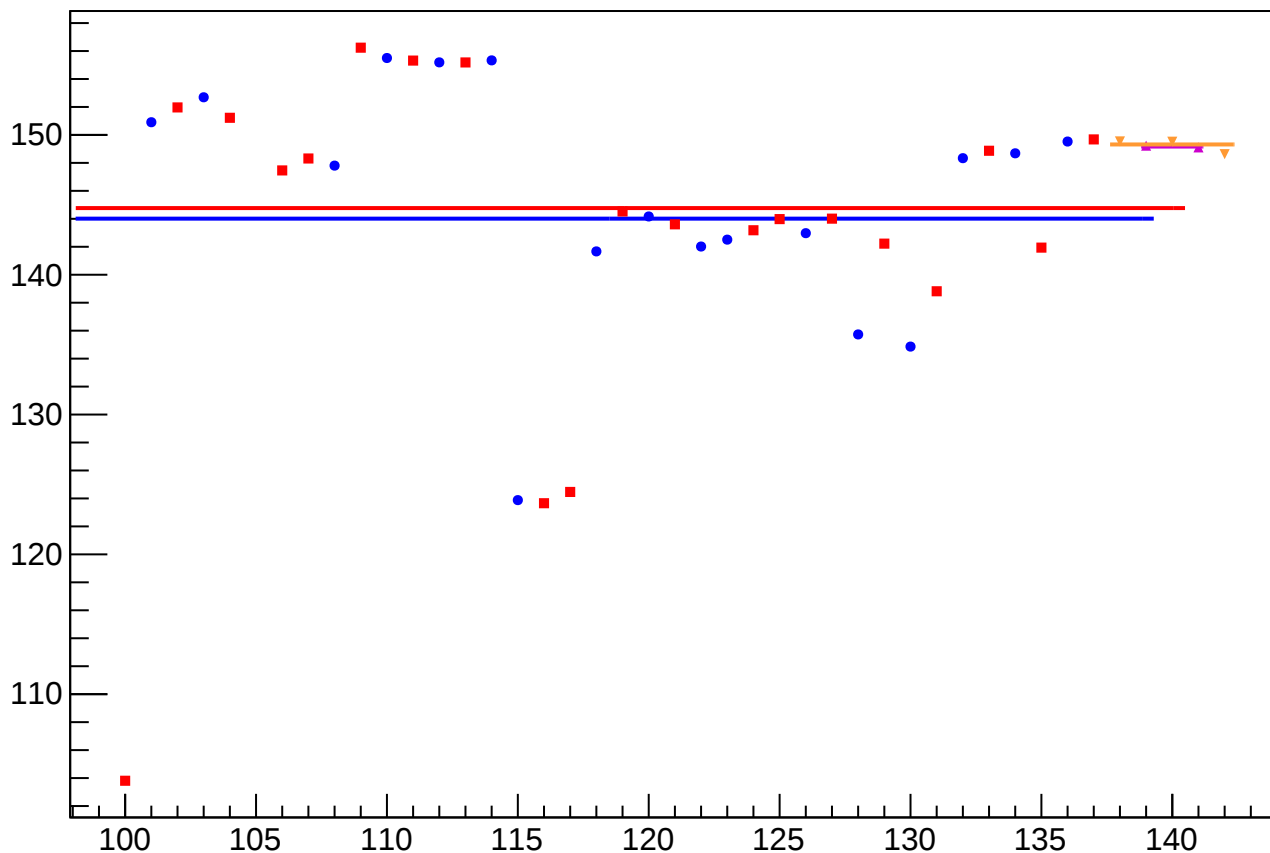
Left In: 0.340+/-0.000 χ^2/NDF : 2295.6/1

0.315+/-0.000 χ^2/NDF : 1305175.9/19

0.320+/-0.000 χ^2/NDF : 2567465.8/41

0.325+/-0.000 χ^2/NDF : 1254453.4/21

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 149.318 $\pm$ 0.000 χ^2 /NDF: 2468161.2/2

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

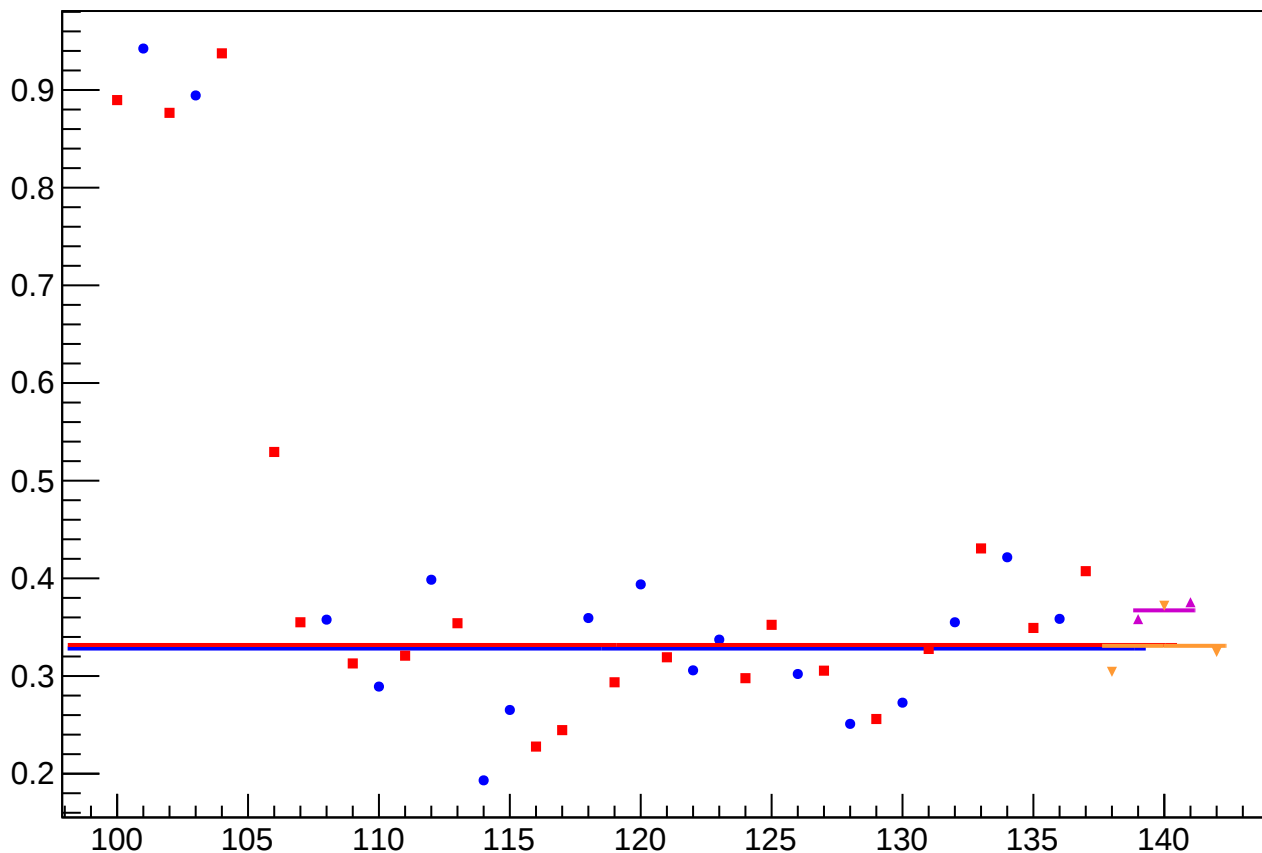
Left In: 149.168 $\pm$ 0.000 χ^2 /NDF: 42828.8/1

145.334 $\pm$ 0.000 χ^2 /NDF: 3604227787.9/19

145.430 $\pm$ 0.000 χ^2 /NDF: 7882378573.7/19

145.531 $\pm$ 0.000 χ^2 /NDF: 4276871615.7/21

yield_bcm_dg_us_rms vs Slug, Sign Corrected



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

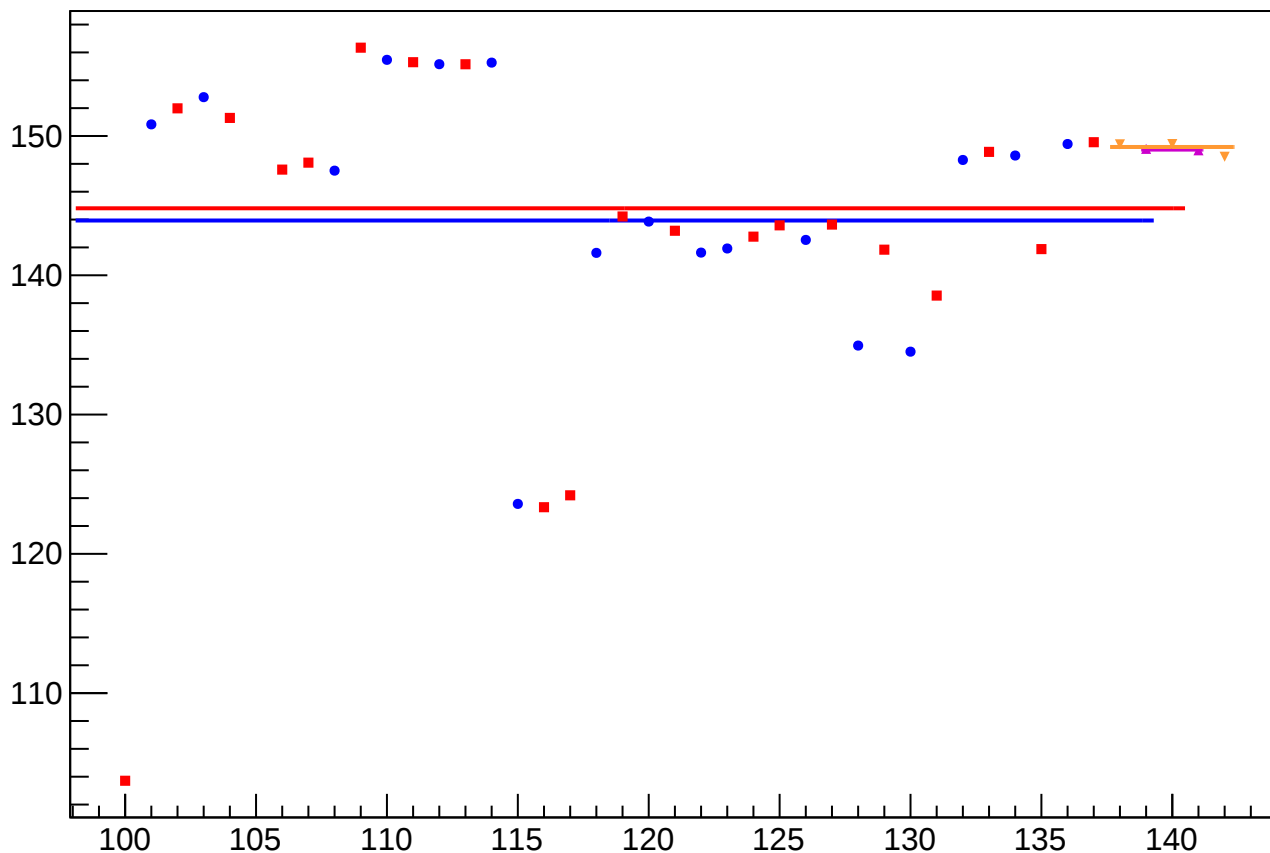
Left In: 0.367+/-0.000 χ^2/NDF : 1669.8/1

0.329+/-0.000 χ^2/NDF : 1295765.3/19

0.333+/-0.000 χ^2/NDF : 2520373.3/41

0.338+/-0.000 χ^2/NDF : 1219093.4/21

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 149.211 $\pm$ 0.000 χ^2 /NDF: 2357452.4/2

Right Out: 144.809 $\pm$ 0.000 χ^2 /NDF: 4138041955.6/19

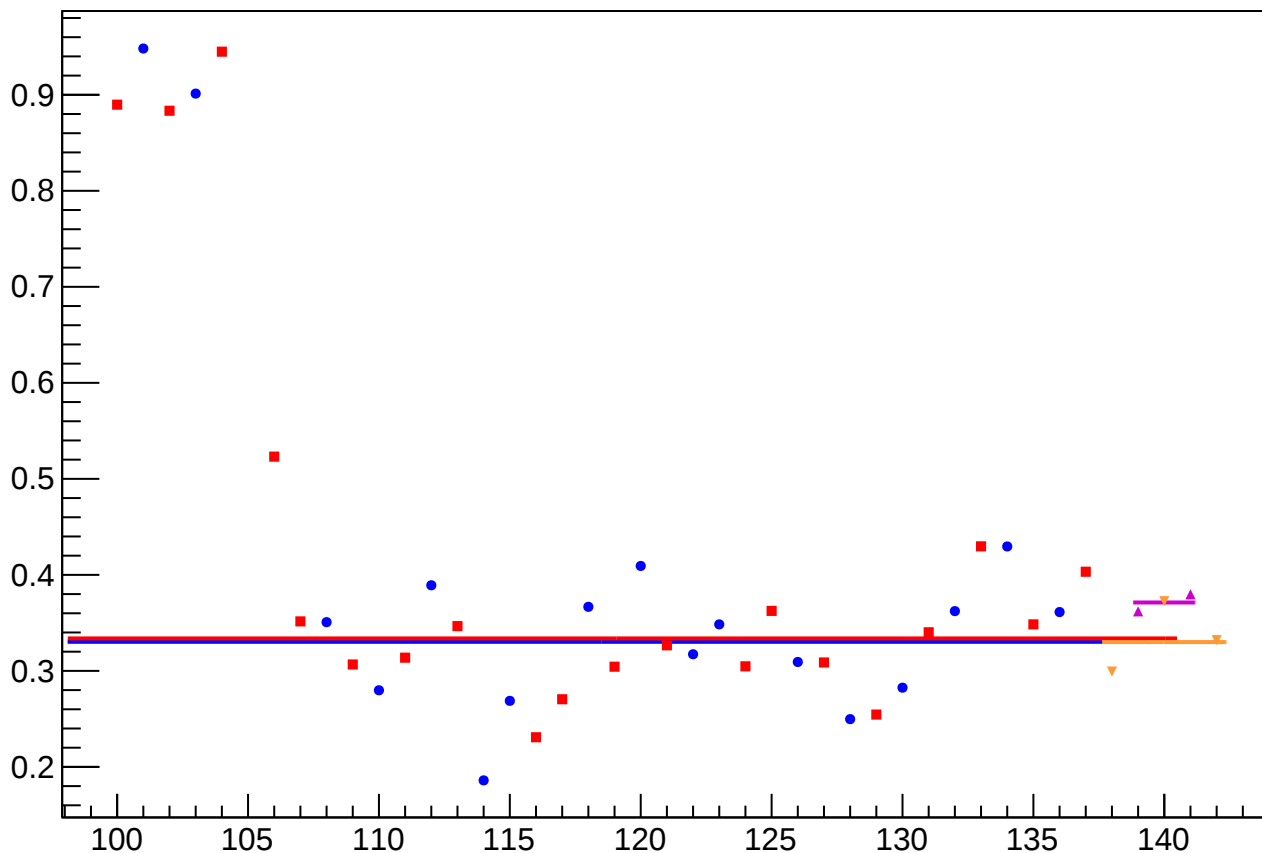
Left In: 149.024 $\pm$ 0.000 χ^2 /NDF: 29073.0/1

145.262 $\pm$ 0.000 χ^2 /NDF: 3739557106.9/19

145.393 $\pm$ 0.000 χ^2 /NDF: 8040565023.8/1

145.532 $\pm$ 0.000 χ^2 /NDF: 4298627023.9/21

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



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

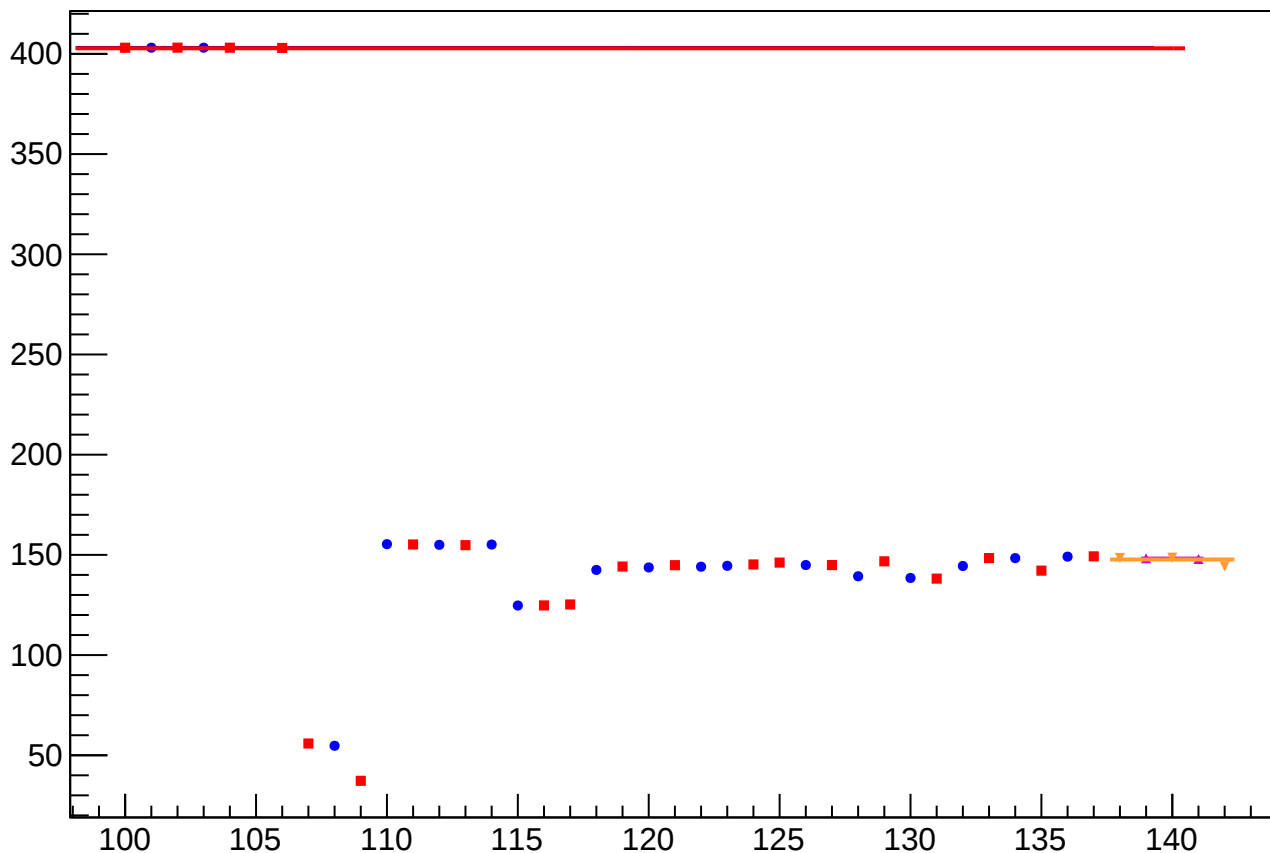
Left In: 0.371+/-0.000 χ^2/NDF : 1731.7/1

0.330+/-0.000 χ^2/NDF : 1318484.5/19

0.335+/-0.000 χ^2/NDF : 2529964.9/41

0.340+/-0.000 χ^2/NDF : 1204949.2/21

yield_cav4bQ_mean vs Slug, Sign Corrected



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

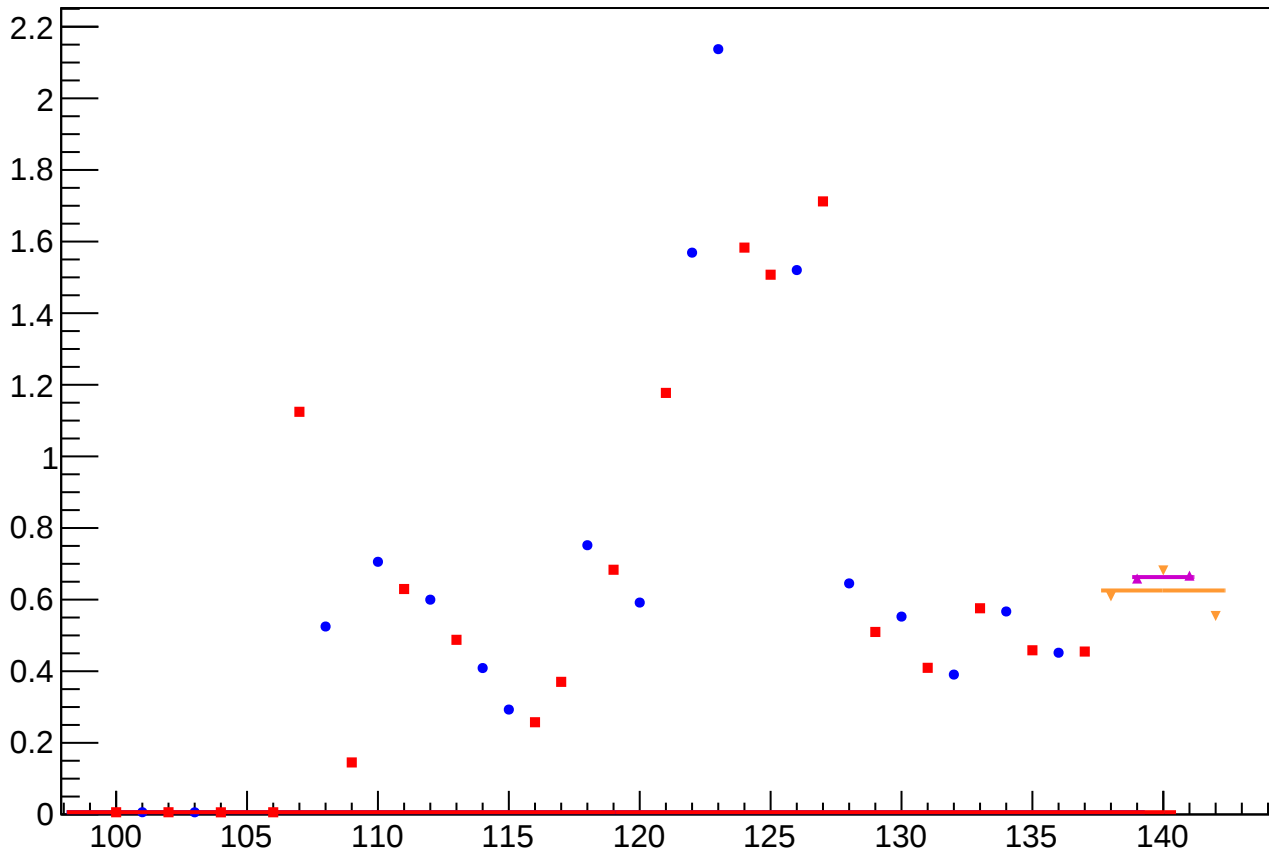
Left In: 148.138+/-0.001 χ^2/NDF : 102947.0/1

402.926+/-0.000 χ^2/NDF : 1341432923376.8/19

402.847+/-0.000 χ^2/NDF : 464982025500

402.776+/-0.000 χ^2/NDF : 3308012672973.6/21

yield_cav4bQ_rms vs Slug, Sign Corrected



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

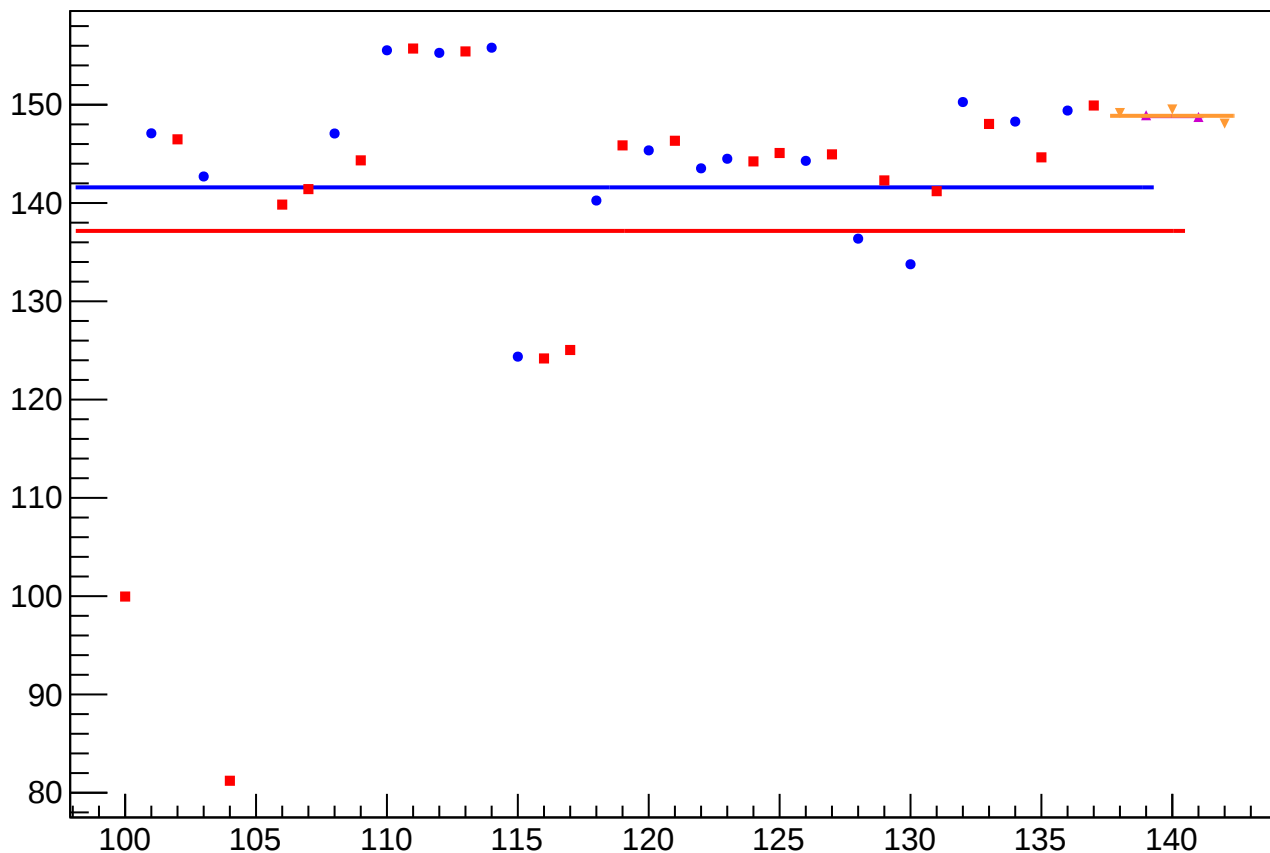
Left In: 0.663+/-0.000 χ^2/NDF :94.4/1

0.006+/-0.000 χ^2/NDF : 12004018.6/19

0.006+/-0.000 χ^2/NDF : 23750479.9/41

0.006+/-0.000 χ^2/NDF : 11746432.6/21

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593+/-0.000 χ^2/NDF : 980101868.2/16

Left Out: 148.872+/-0.000 χ^2/NDF :1565309.3/2

Right Out: 137.162+/-0.000 χ^2/NDF : 1366089515.6/19

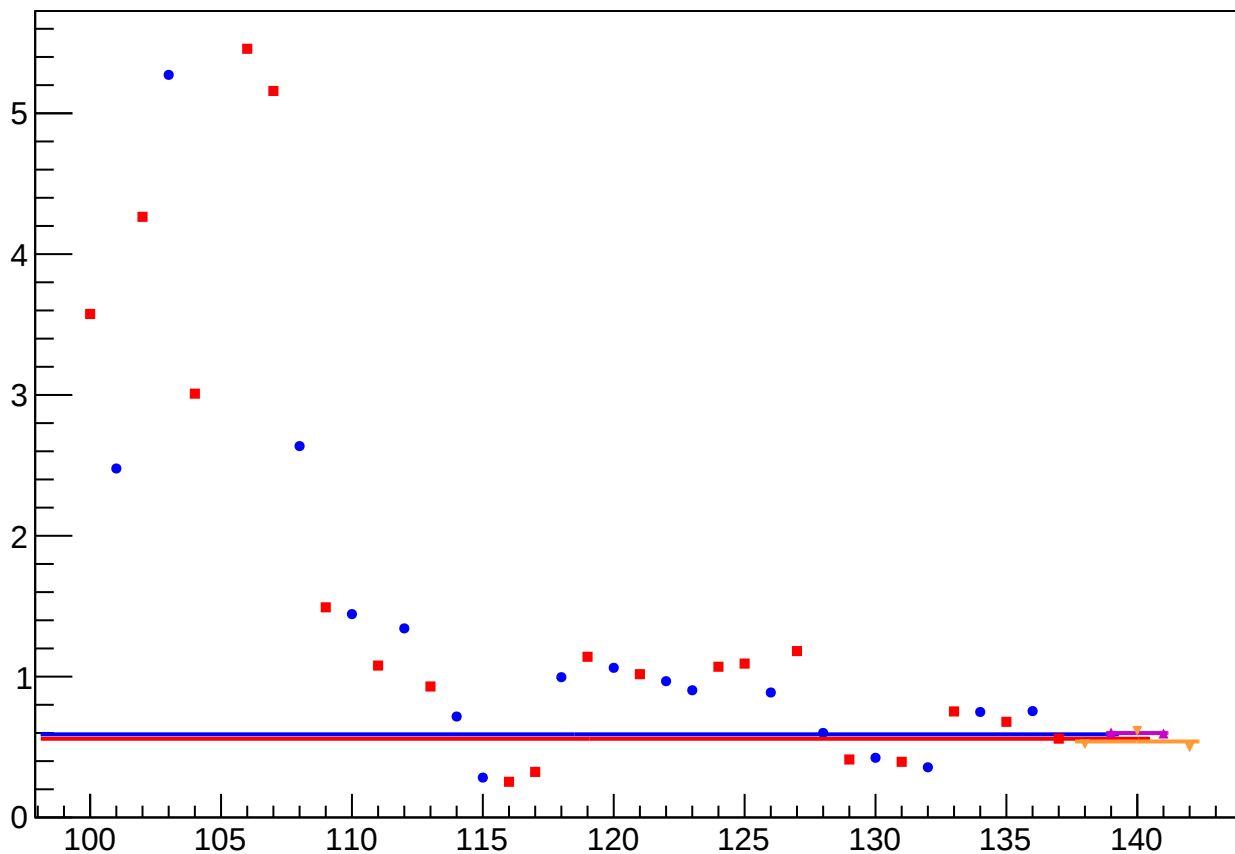
Left In: 148.836+/-0.001 χ^2/NDF :19887.0/1

143.707+/-0.000 χ^2/NDF : 1137010207.1/19

141.601+/-0.000 χ^2/NDF : 2916888781.8/19

139.385+/-0.000 χ^2/NDF : 1650369502.2/21

yield_cav4cQ_rms vs Slug, Sign Corrected



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

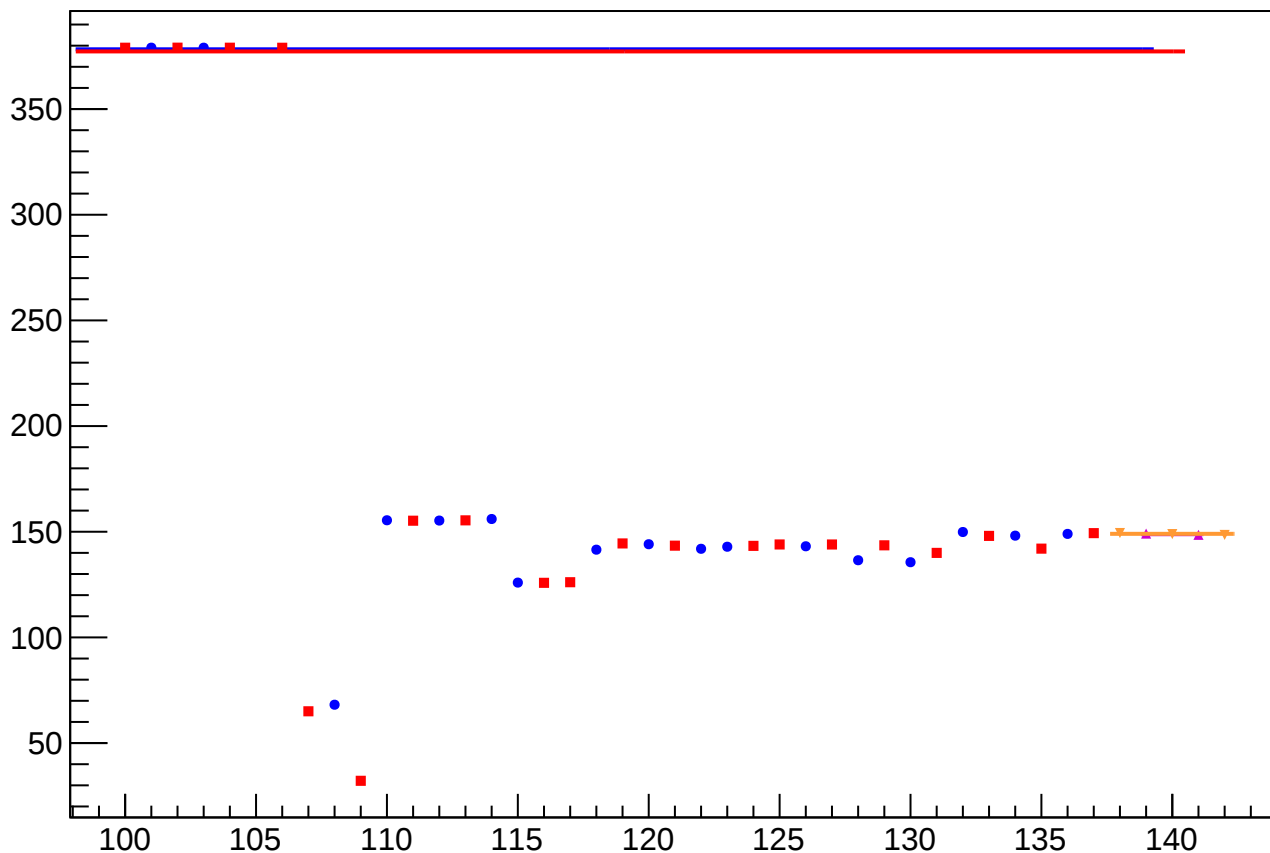
Left In: 0.599+/-0.000 χ^2/NDF :58.5/1

0.576+/-0.000 χ^2/NDF : 3526904.8/19

0.571+/-0.000 χ^2/NDF : 8256275.4/41

0.566+/-0.000 χ^2/NDF : 4728243.0/21

yield_cav4dQ_mean vs Slug, Sign Corrected



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

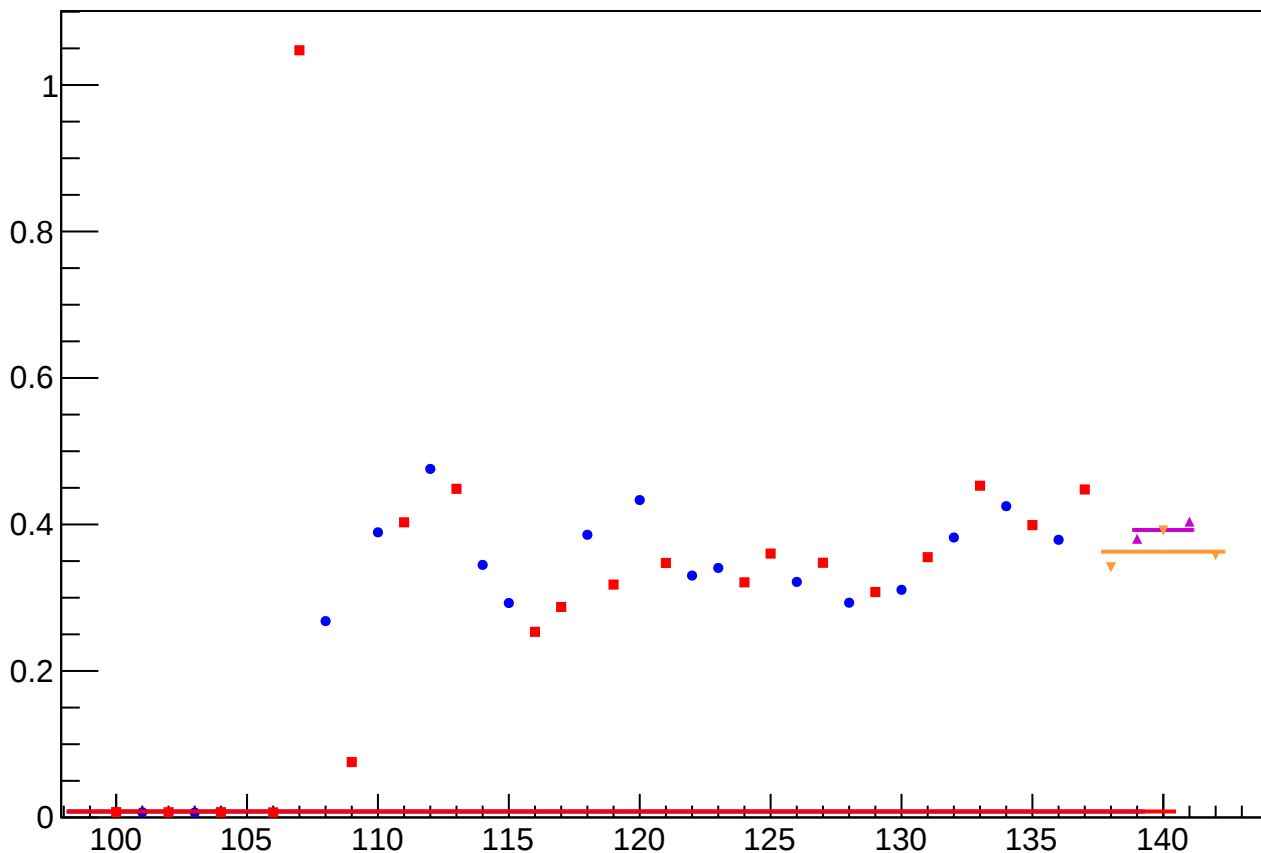
Left In: 148.830+/-0.000 χ^2/NDF : 831333.7/1

378.032+/-0.000 χ^2/NDF : 3274116441158.5/19

377.552+/-0.000 χ^2/NDF : 121089958444

377.131+/-0.000 χ^2/NDF : 8829121630564.1/21

yield_cav4dQ_rms vs Slug, Sign Corrected



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

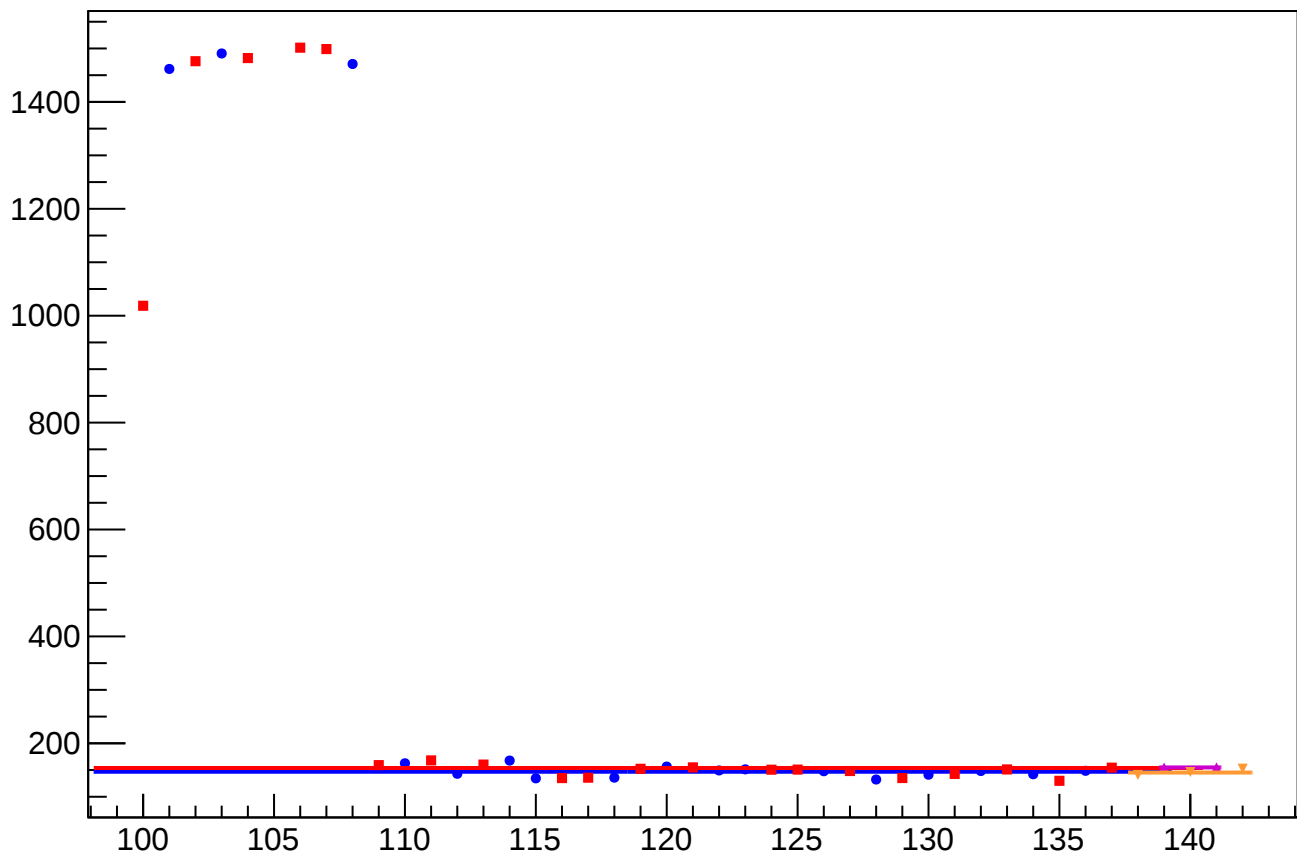
Left In: 0.392+/-0.000 χ^2/NDF : 2710.0/1

0.009+/-0.000 χ^2/NDF : 13488049.2/19

0.008+/-0.000 χ^2/NDF : 26000169.6/41

0.008+/-0.000 χ^2/NDF : 12511963.8/21

yield_bcm0l02_mean vs Slug, Sign Corrected



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

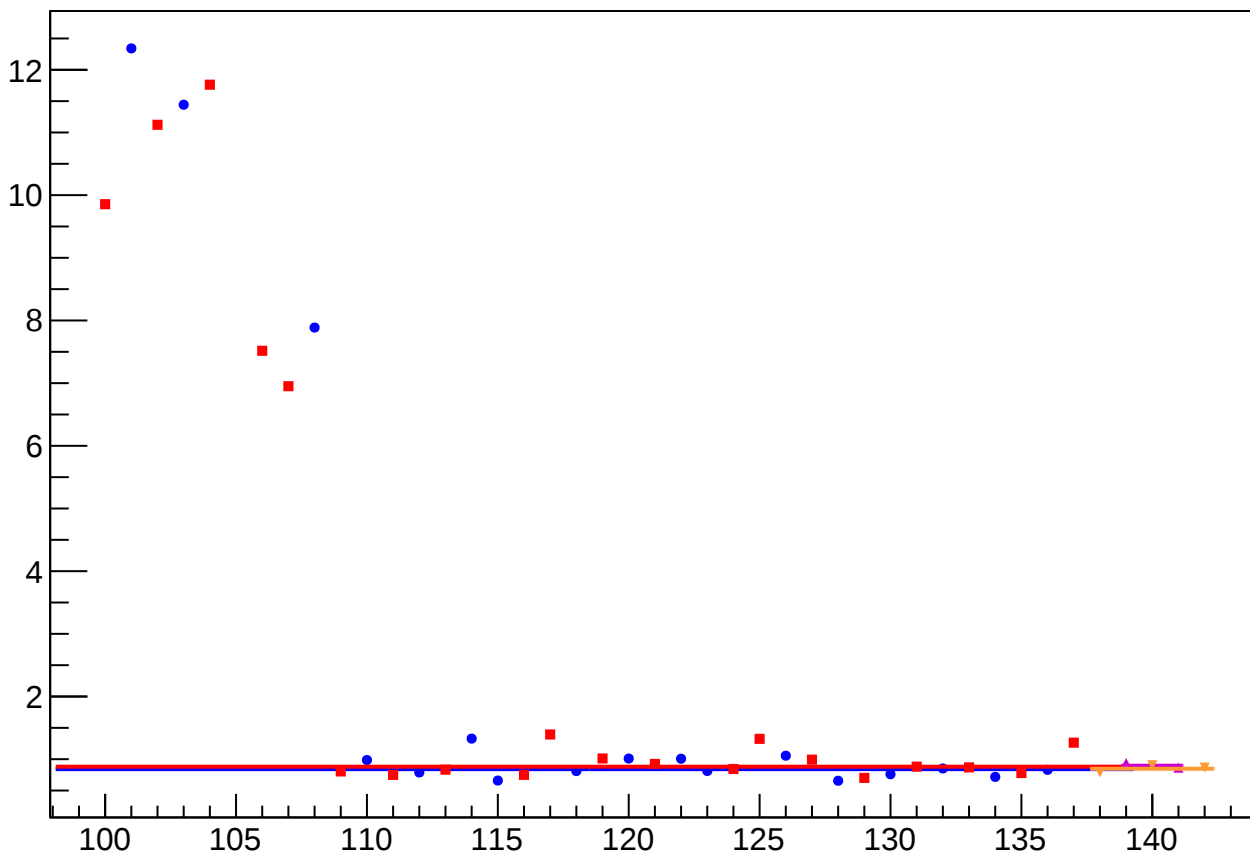
Left In: 154.872+/-0.001 χ^2/NDF : 35060.1/1

146.438+/-0.000 χ^2/NDF : 24400468953.2/19

150.119+/-0.000 χ^2/NDF : 58346533893.5

154.049+/-0.000 χ^2/NDF : 33745468497.0/21

yield_bcm0l02_rms vs Slug, Sign Corrected



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

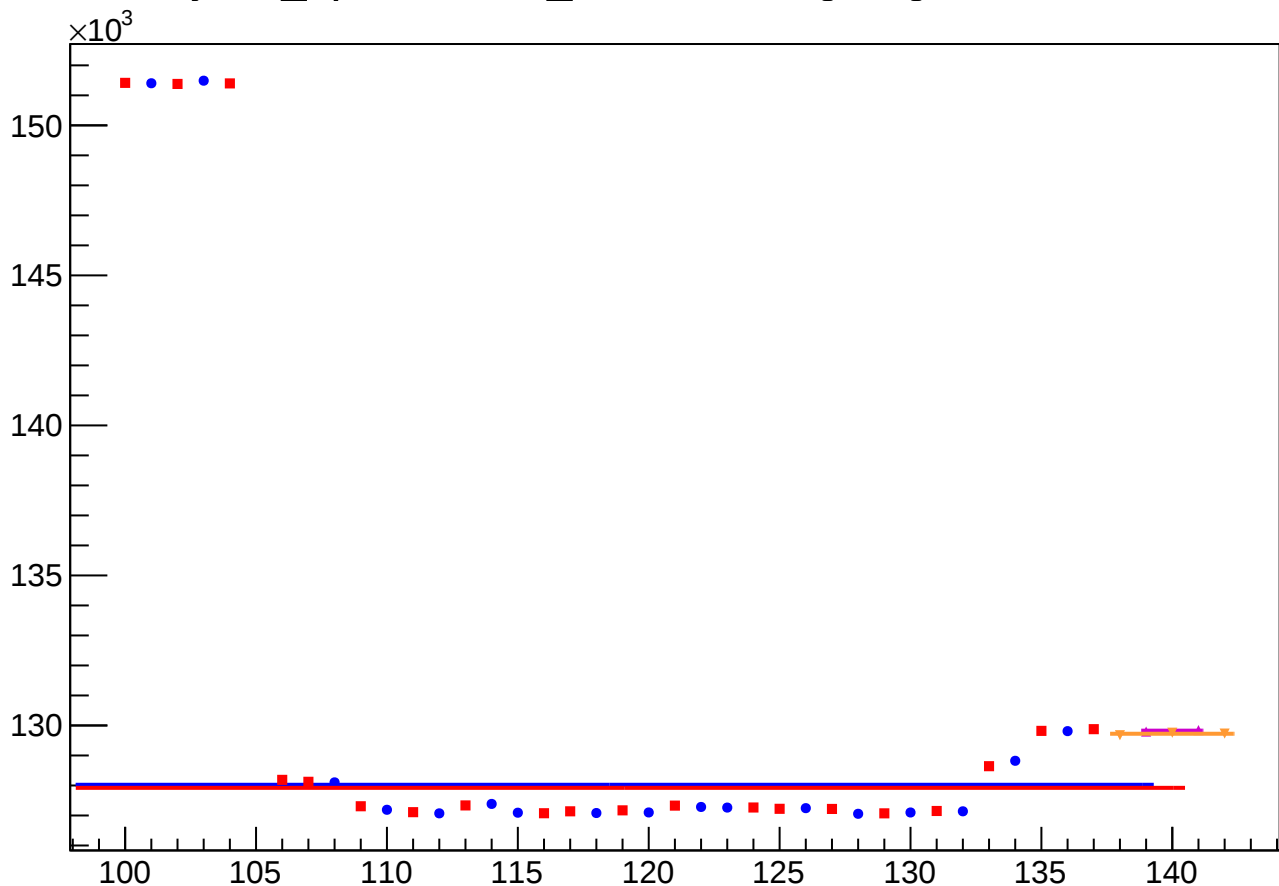
Left In: 0.896+/-0.001 χ^2/NDF : 3824.9/1

0.843+/-0.000 χ^2/NDF : 2672153.6/19

0.862+/-0.000 χ^2/NDF : 5513276.8/41

0.883+/-0.000 χ^2/NDF : 2829701.2/21

yield_bpm2i01WS_mean vs Slug, Sign Corrected



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

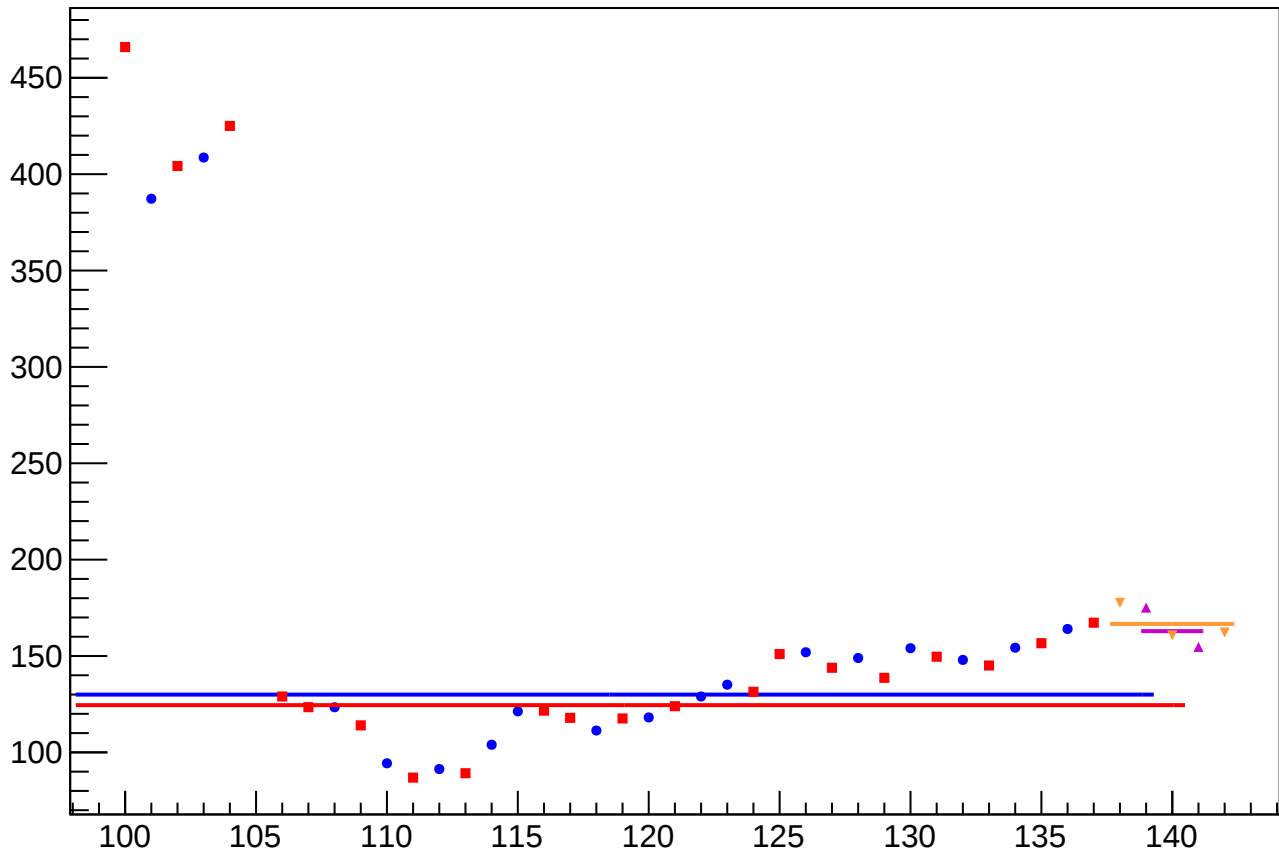
Left In: 129826.797 $\pm$ 0.131 χ^2 /NDF: 34779.0/1

128311.024 $\pm$ 0.050 χ^2 /NDF: 4480987194.6/19

128234.039 $\pm$ 0.034 χ^2 /NDF: 843947943

128165.678 $\pm$ 0.047 χ^2 /NDF: 3953964957.5/21

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 +/- 0.039 χ^2/NDF : 1485519.5/16

Left Out: 166.651 +/- 0.085 χ^2/NDF : 8193.9/2

Right Out: 124.514 +/- 0.035 χ^2/NDF : 1531546.7/19

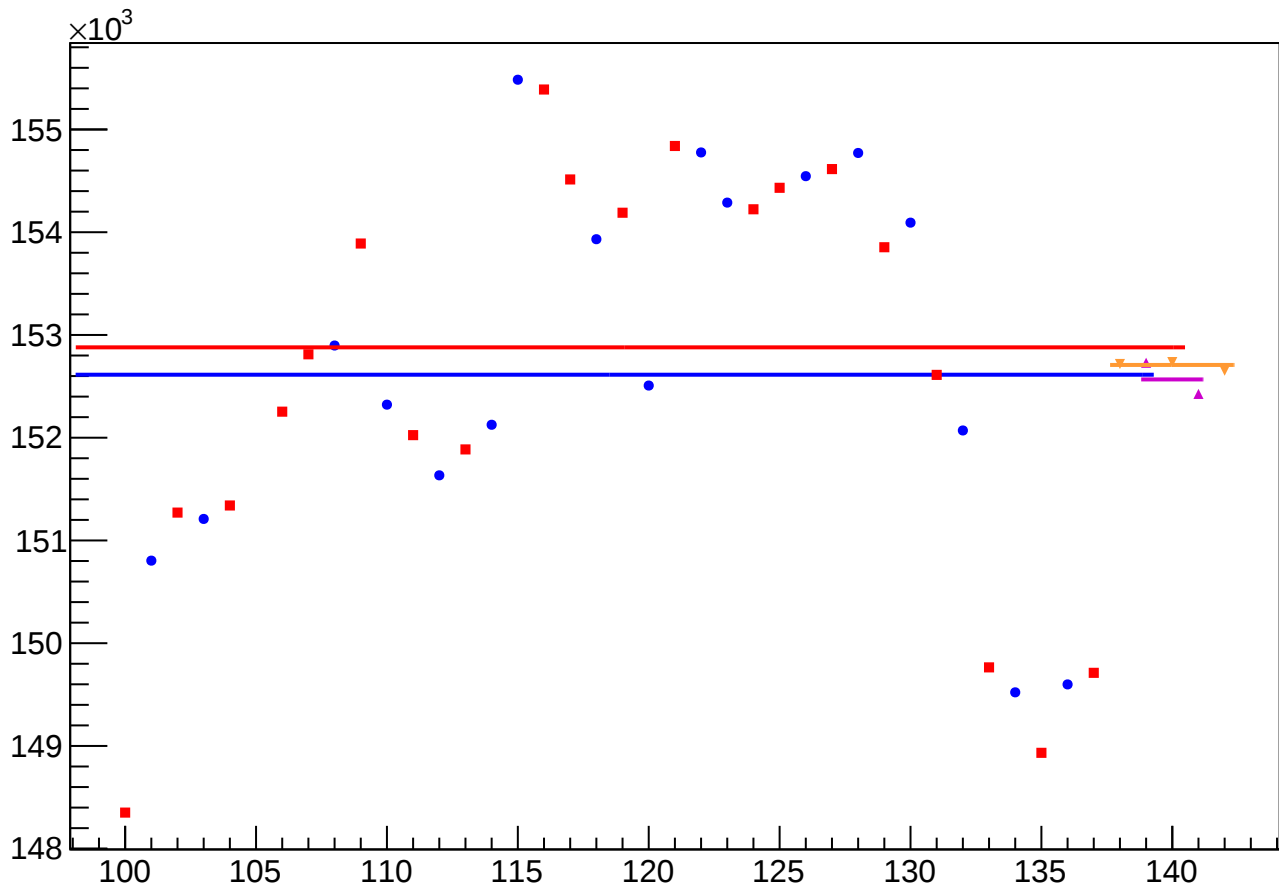
Left In: 162.909 +/- 0.093 χ^2/NDF : 11697.8/1

136.180 +/- 0.035 χ^2/NDF : 1646597.6/19

132.609 +/- 0.024 χ^2/NDF : 3359511.9/41

129.438 +/- 0.033 χ^2/NDF : 1693434.2/21

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 152708.230 $\pm$ 0.127 χ^2 /NDF: 67339.4/2

Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

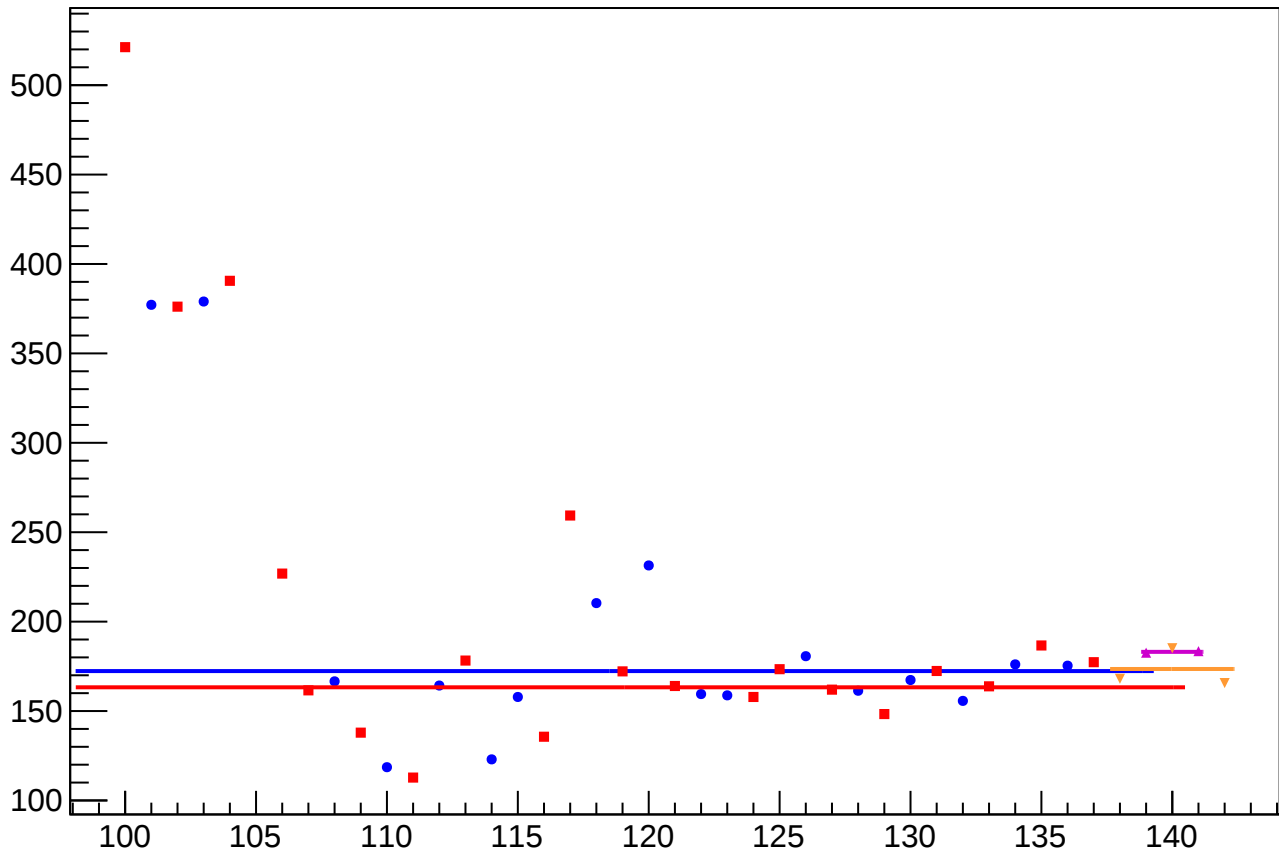
Left In: 152567.172 $\pm$ 0.147 χ^2 /NDF: 1059696.8/1

152636.520 $\pm$ 0.063 χ^2 /NDF: 623849544.5/19

152735.498 $\pm$ 0.043 χ^2 /NDF: 135135836

152826.866 $\pm$ 0.060 χ^2 /NDF: 722724175.3/21

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 173.523+/-0.089 χ^2/NDF : 9368.7/2

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

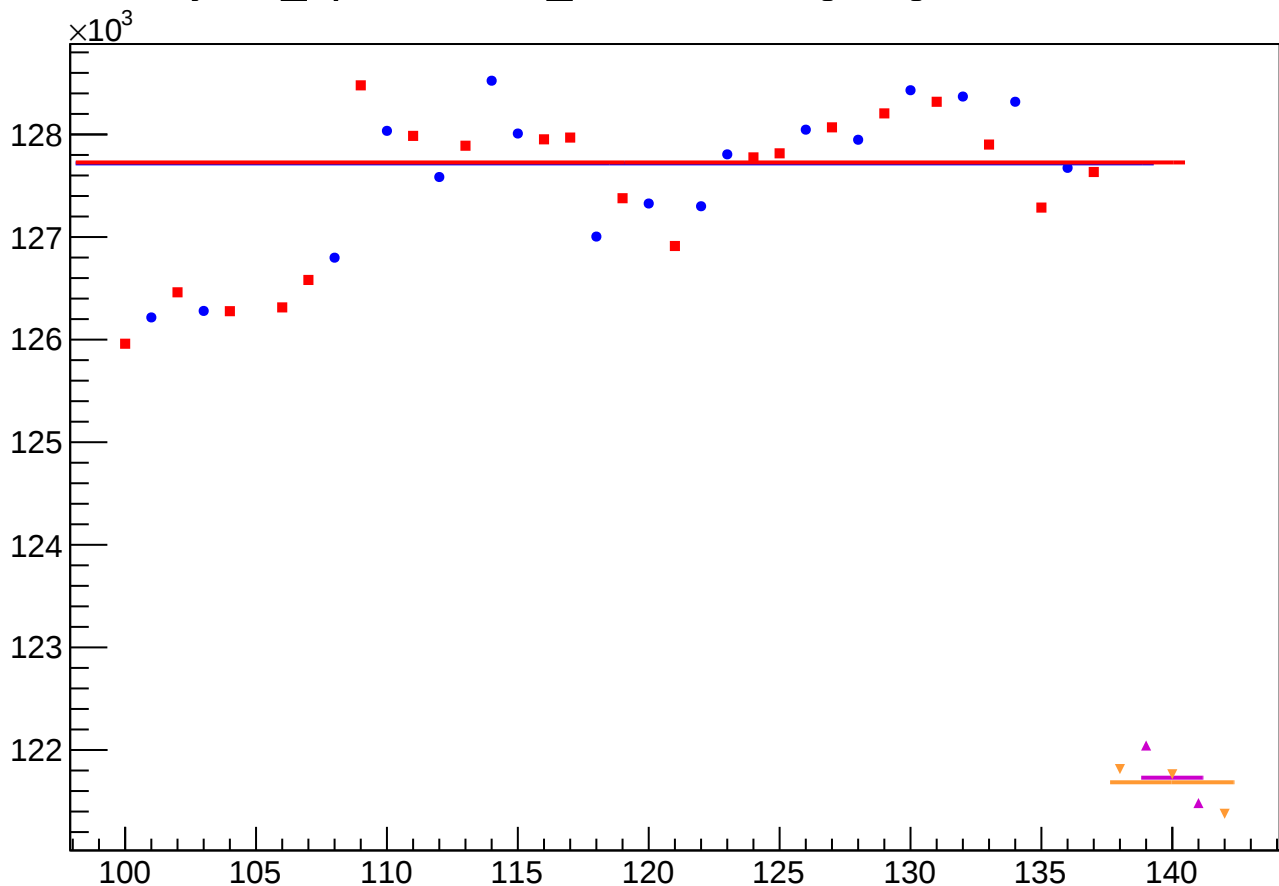
Left In: 183.097+/-0.104 χ^2/NDF : 17.3/1

172.639+/-0.044 χ^2/NDF : 931409.1/19

169.505+/-0.031 χ^2/NDF : 2014745.8/41

166.611+/-0.043 χ^2/NDF : 1073739.9/21

yield_bpm0l01WS_mean vs Slug, Sign Corrected



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

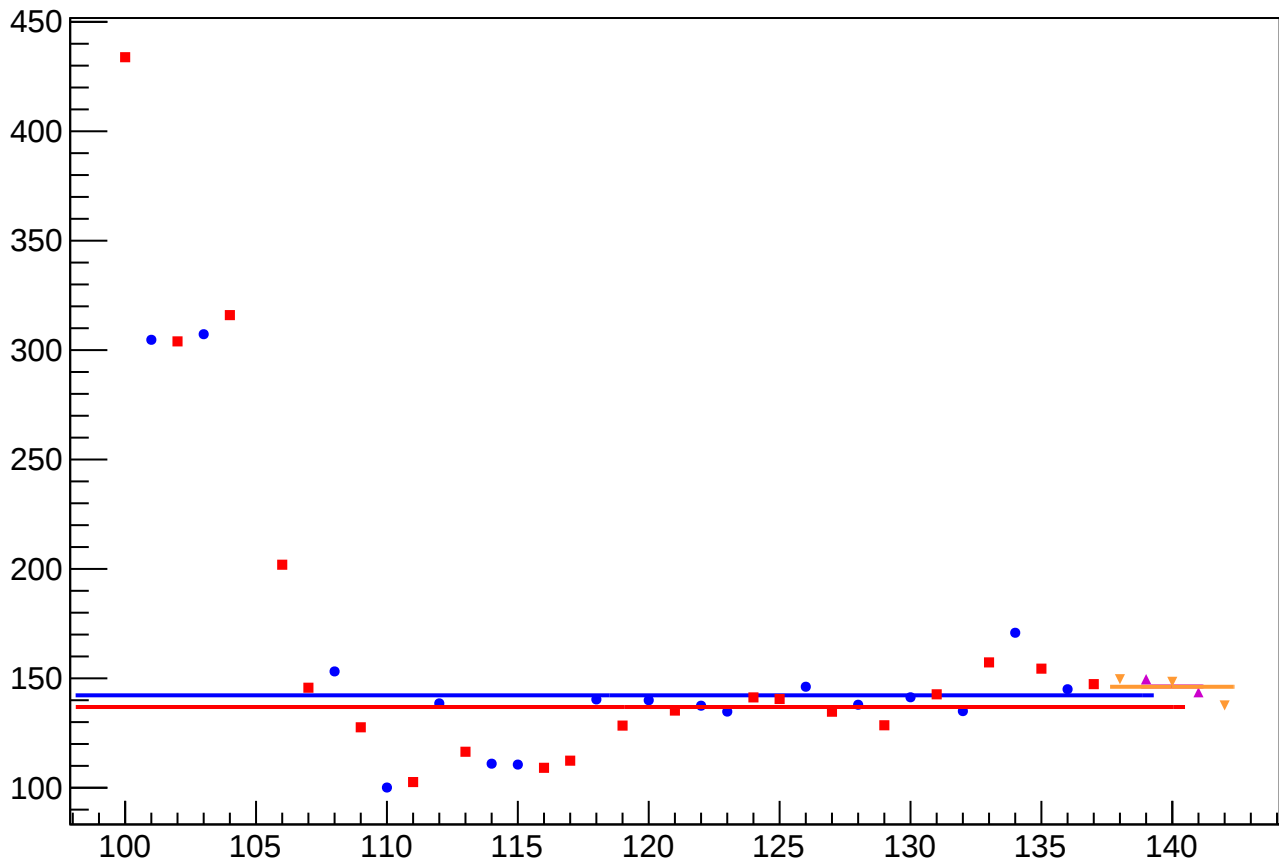
Left In: 121730.053 $\pm$ 0.118 χ^2 /NDF: 5609473.5/1

126340.715 $\pm$ 0.051 χ^2 /NDF: 2543558954.0/19

126513.874 $\pm$ 0.035 χ^2 /NDF: 482935220

126674.133 $\pm$ 0.049 χ^2 /NDF: 2263770372.7/21

yield_bpm0l01WS_rms vs Slug, Sign Corrected



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

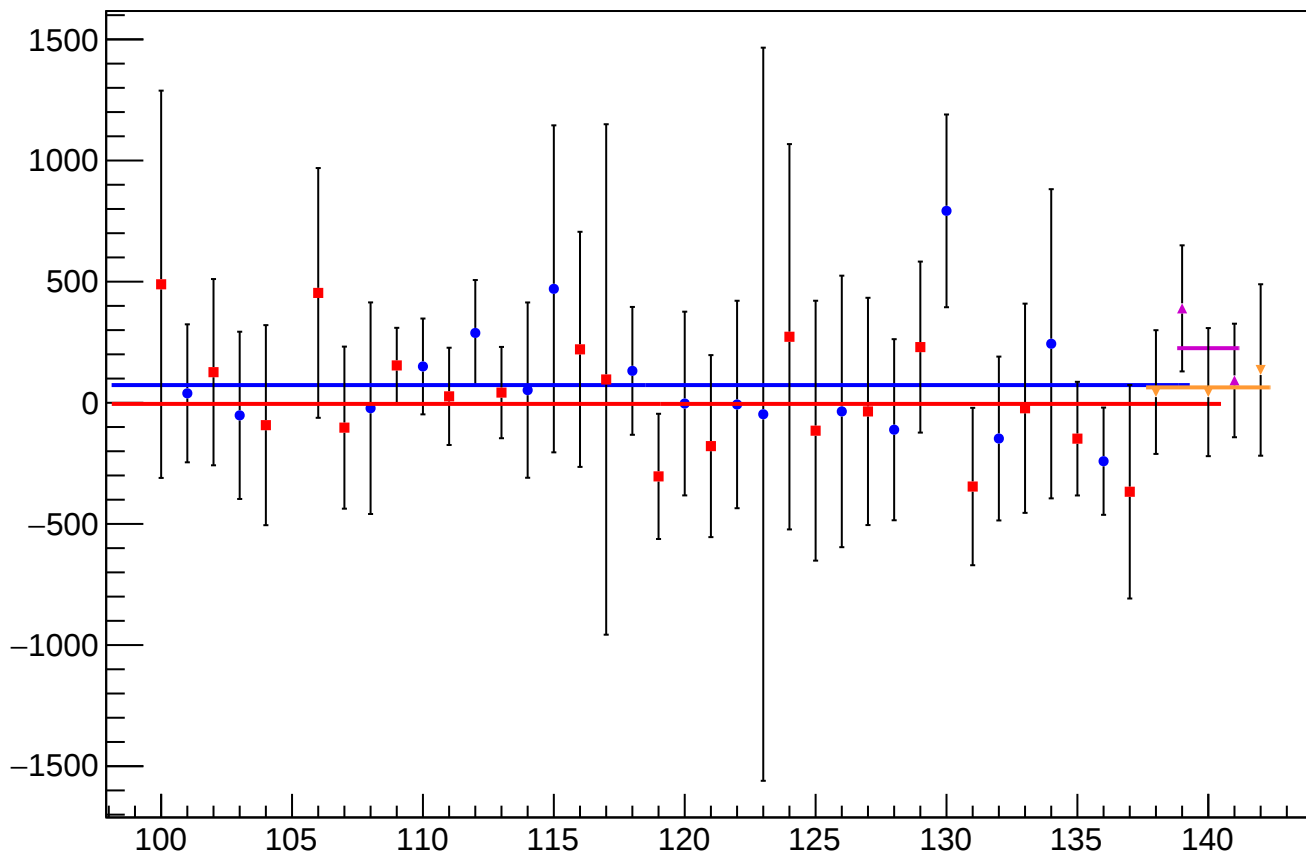
Left In: 146.291 +/- 0.083 χ^2/NDF : 1302.7/1

143.132 +/- 0.036 χ^2/NDF : 842712.2/19

140.753 +/- 0.025 χ^2/NDF : 1824699.2/41

138.552 +/- 0.035 χ^2/NDF : 973676.4/21

asym_bcm_an_ds_mean vs Slug, Sign Corrected



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

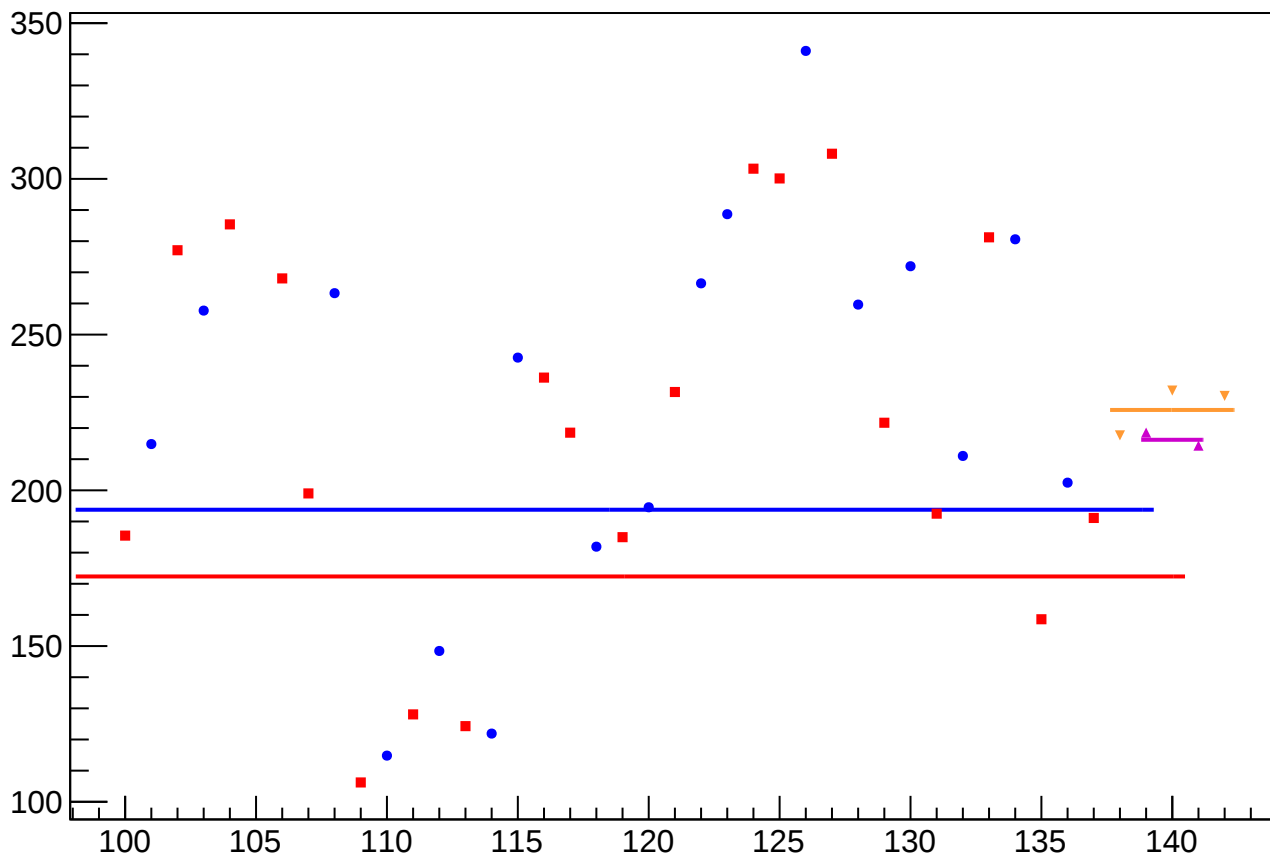
Left In: 225.439+/-174.139 χ^2/NDF : 0.7/1

71.271+/-71.532 χ^2/NDF : 7.9/19

47.198+/-48.067 χ^2/NDF : 17.4/41

27.378+/-64.904 χ^2/NDF : 9.3/21

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 225.807 $\pm$ 0.115 χ^2 /NDF:3474.0/2

Right Out: 172.346 $\pm$ 0.049 χ^2 /NDF: 1583893.0/19

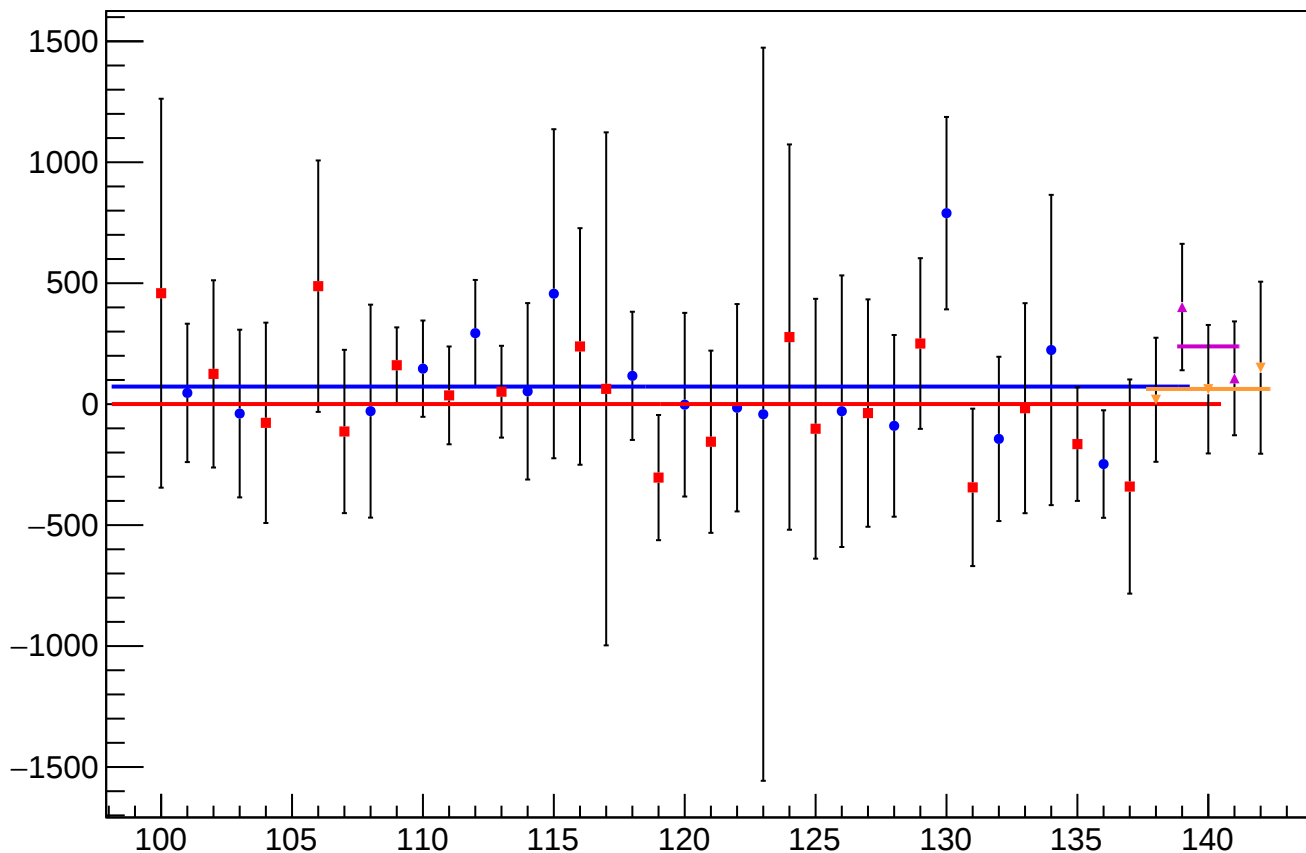
Left In: 216.229 $\pm$ 0.123 χ^2 /NDF:286.4/1

199.940 $\pm$ 0.051 χ^2 /NDF: 1082911.8/19

188.149 $\pm$ 0.034 χ^2 /NDF: 2875526.6/41

178.442 $\pm$ 0.046 χ^2 /NDF: 1693539.5/21

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



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

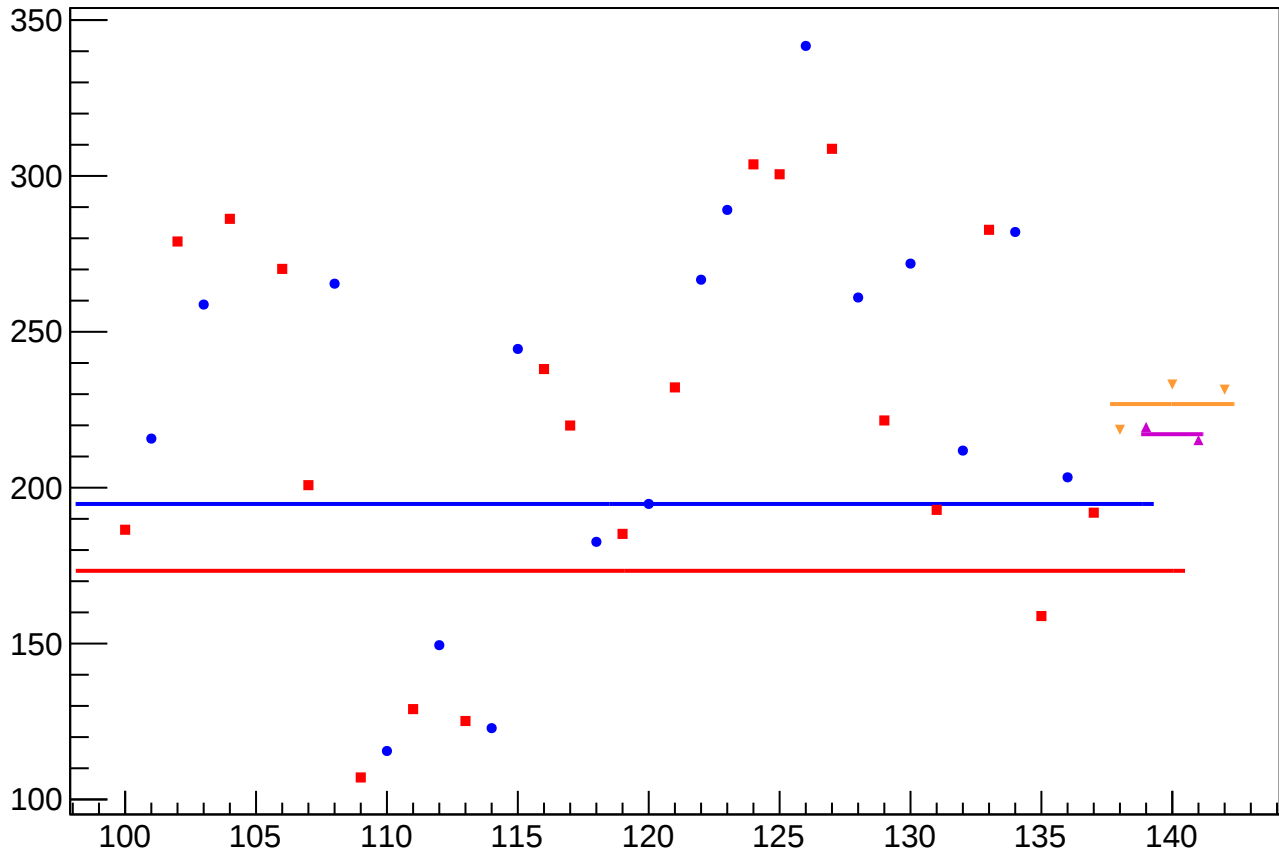
Left In: 238.771+/-174.892 χ^2/NDF : 0.7/1

70.789+/-71.875 χ^2/NDF : 7.8/19

50.408+/-48.306 χ^2/NDF : 17.6/41

33.617+/-65.237 χ^2/NDF : 9.6/21

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



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

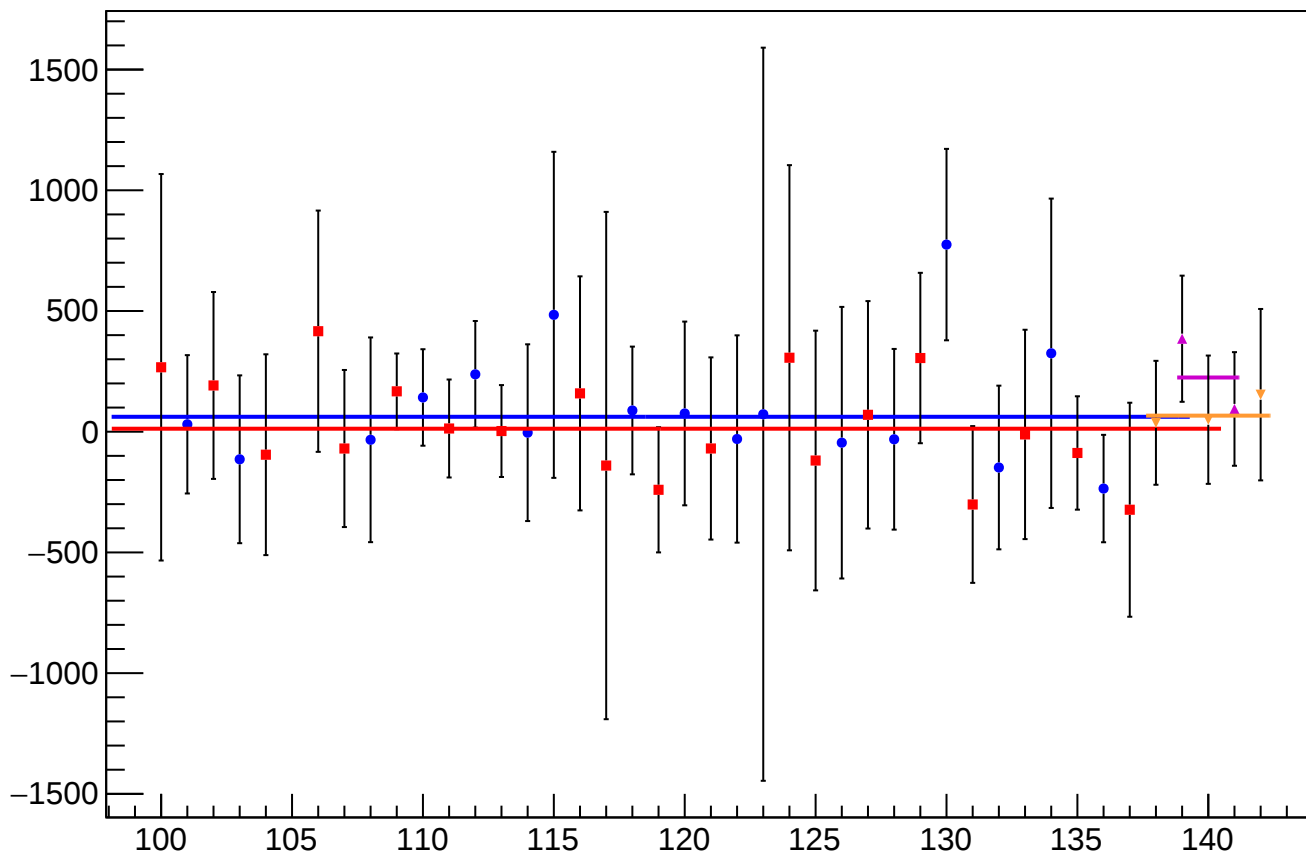
Left In: 217.160 $\pm$ 0.124 χ^2 /NDF:287.3/1

200.954 $\pm$ 0.051 χ^2 /NDF: 1073629.9/19

189.155 $\pm$ 0.034 χ^2 /NDF: 2851756.6/41

179.435 $\pm$ 0.046 χ^2 /NDF: 1679822.6/21

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 66.600 $\pm$ 163.781 χ^2 /NDF: 0.1/2

Right Out: 12.417 $\pm$ 70.233 χ^2 /NDF: 5.8/19

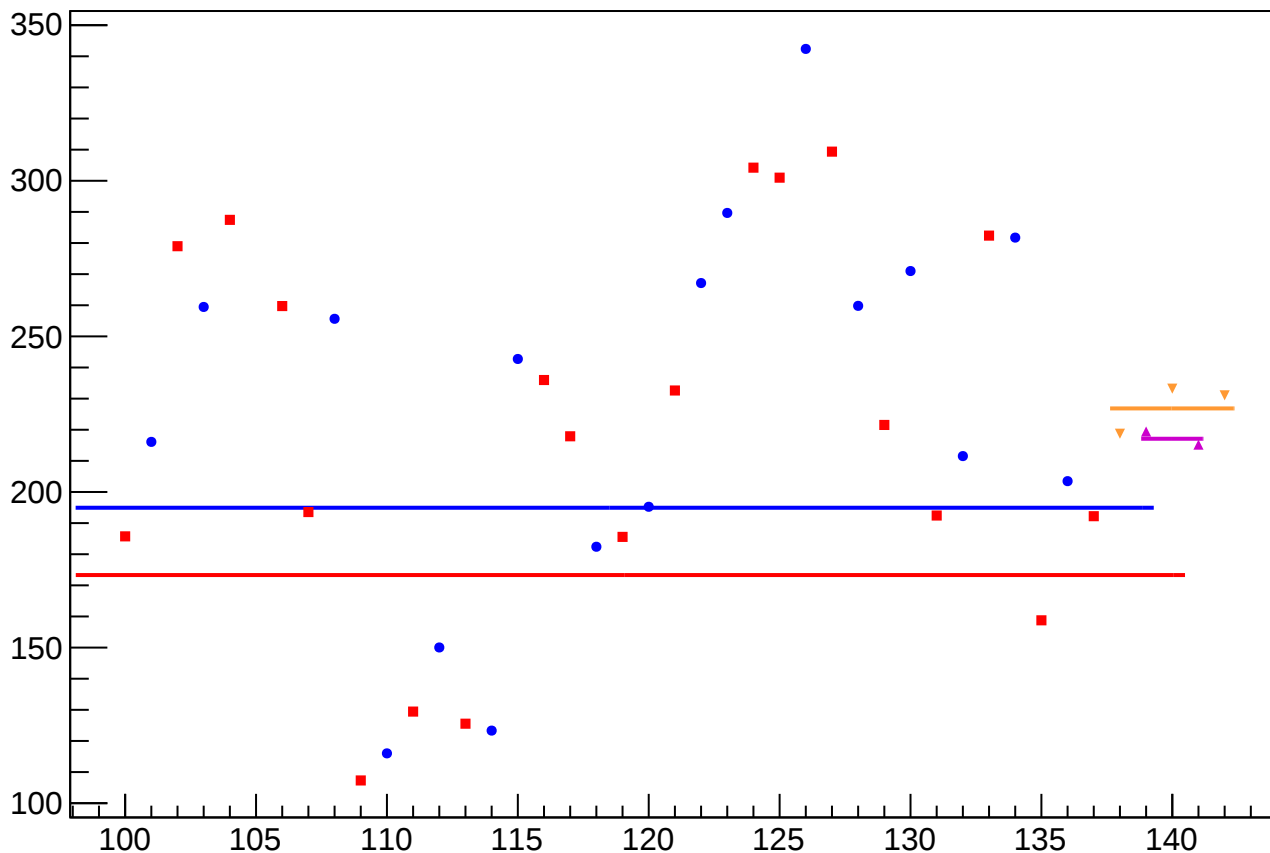
Left In: 224.559 $\pm$ 174.845 χ^2 /NDF: 0.7/1

62.736 $\pm$ 71.873 χ^2 /NDF: 7.3/19

51.296 $\pm$ 48.279 χ^2 /NDF: 15.1/41

41.891 $\pm$ 65.172 χ^2 /NDF: 7.7/21

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 226.851 $\pm$ 0.116 χ^2 /NDF:3430.5/2

Right Out: 173.309 $\pm$ 0.050 χ^2 /NDF: 1548342.3/19

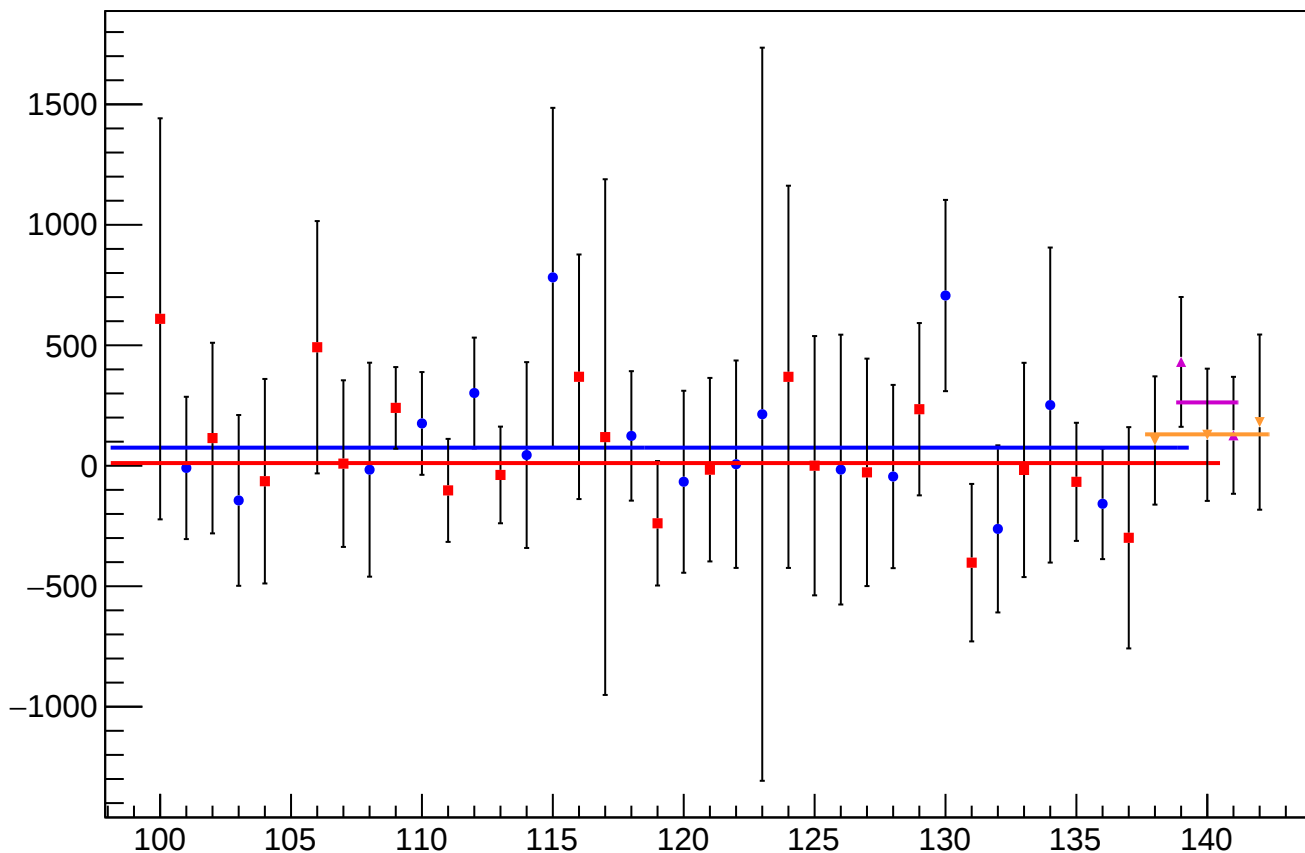
Left In: 217.105 $\pm$ 0.124 χ^2 /NDF:287.2/1

201.084 $\pm$ 0.051 χ^2 /NDF: 1051368.8/19

189.181 $\pm$ 0.034 χ^2 /NDF: 2808013.6/41

179.394 $\pm$ 0.046 χ^2 /NDF: 1656682.0/21

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207+/-82.504 χ^2/NDF : 7.6/16

Left Out: 130.416+/-169.137 χ^2/NDF : 0.0/2

Right Out: 11.180+/-73.166 χ^2/NDF : 7.8/19

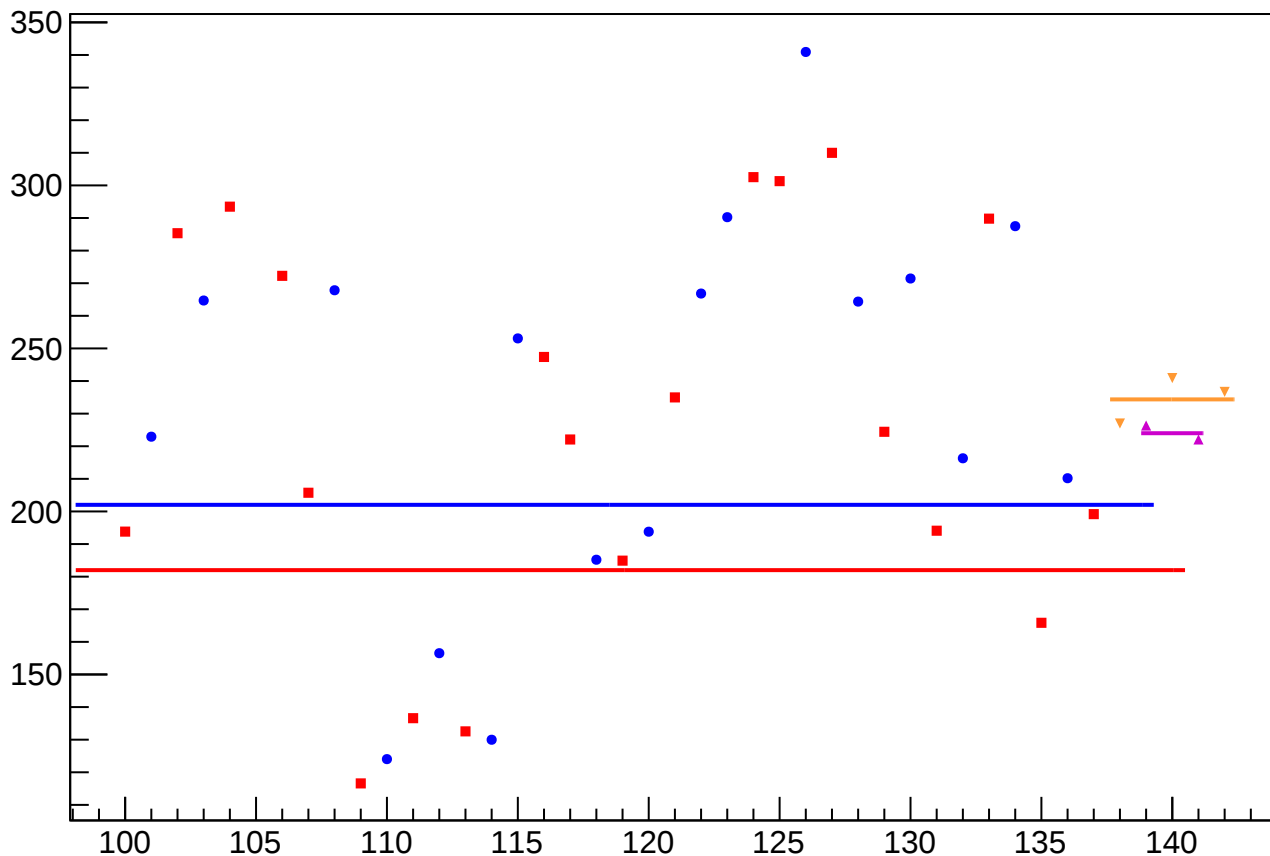
Left In: 262.897+/-180.330 χ^2/NDF : 0.7/1

85.818+/-74.153 χ^2/NDF : 7.7/19

64.545+/-50.036 χ^2/NDF : 18.1/41

46.761+/-67.798 χ^2/NDF : 10.2/21

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2/NDF : 881608.7/16

Left Out: 234.367 $\pm$ 0.120 χ^2/NDF : 2760.2/2

Right Out: 182.000 $\pm$ 0.052 χ^2/NDF : 1380354.3/19

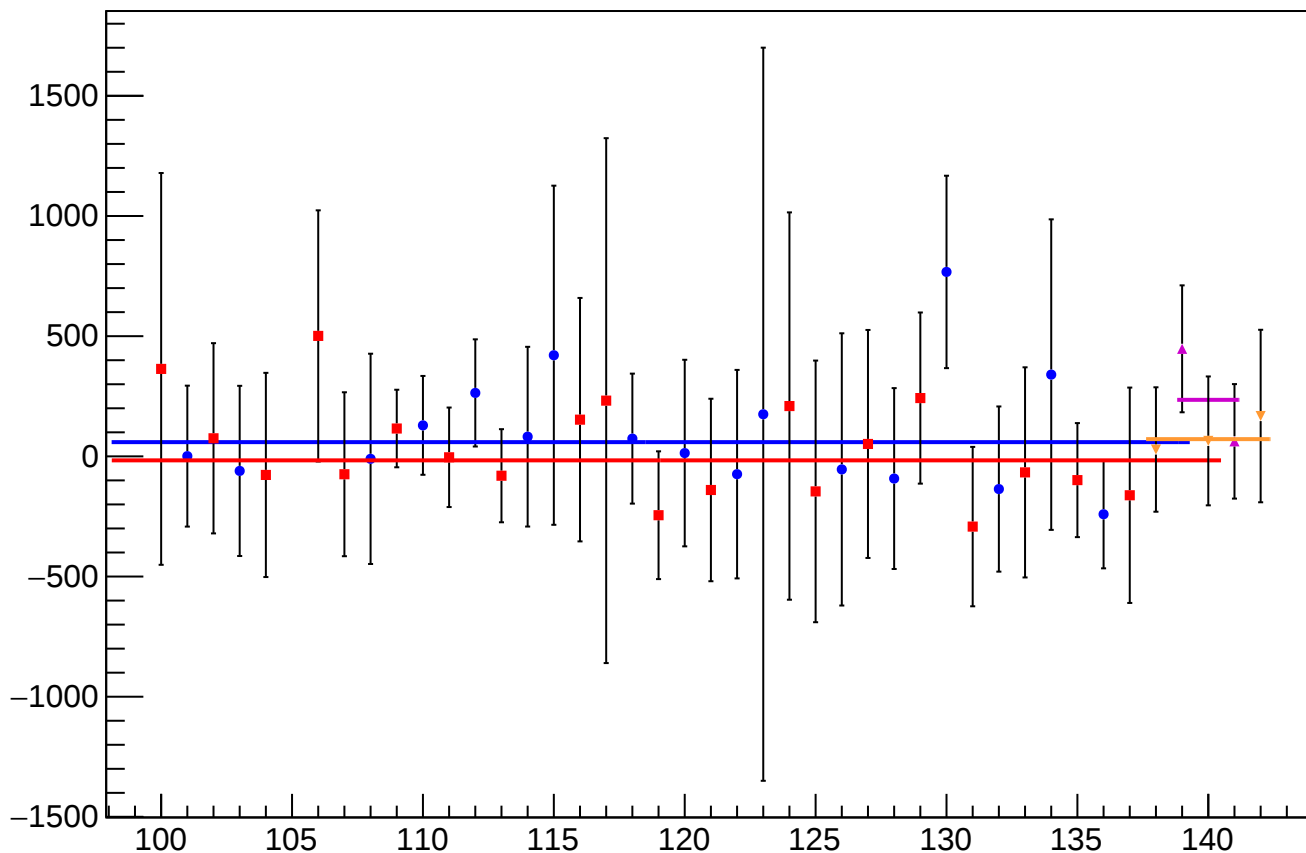
Left In: 223.994 $\pm$ 0.128 χ^2/NDF : 278.6/1

208.245 $\pm$ 0.052 χ^2/NDF : 943425.9/19

197.183 $\pm$ 0.035 χ^2/NDF : 2498906.8/41

187.936 $\pm$ 0.048 χ^2/NDF : 1473765.8/21

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 71.668 $\pm$ 165.287 χ^2 /NDF: 0.1/2

Right Out: -16.650 $\pm$ 71.745 χ^2 /NDF: 4.7/19

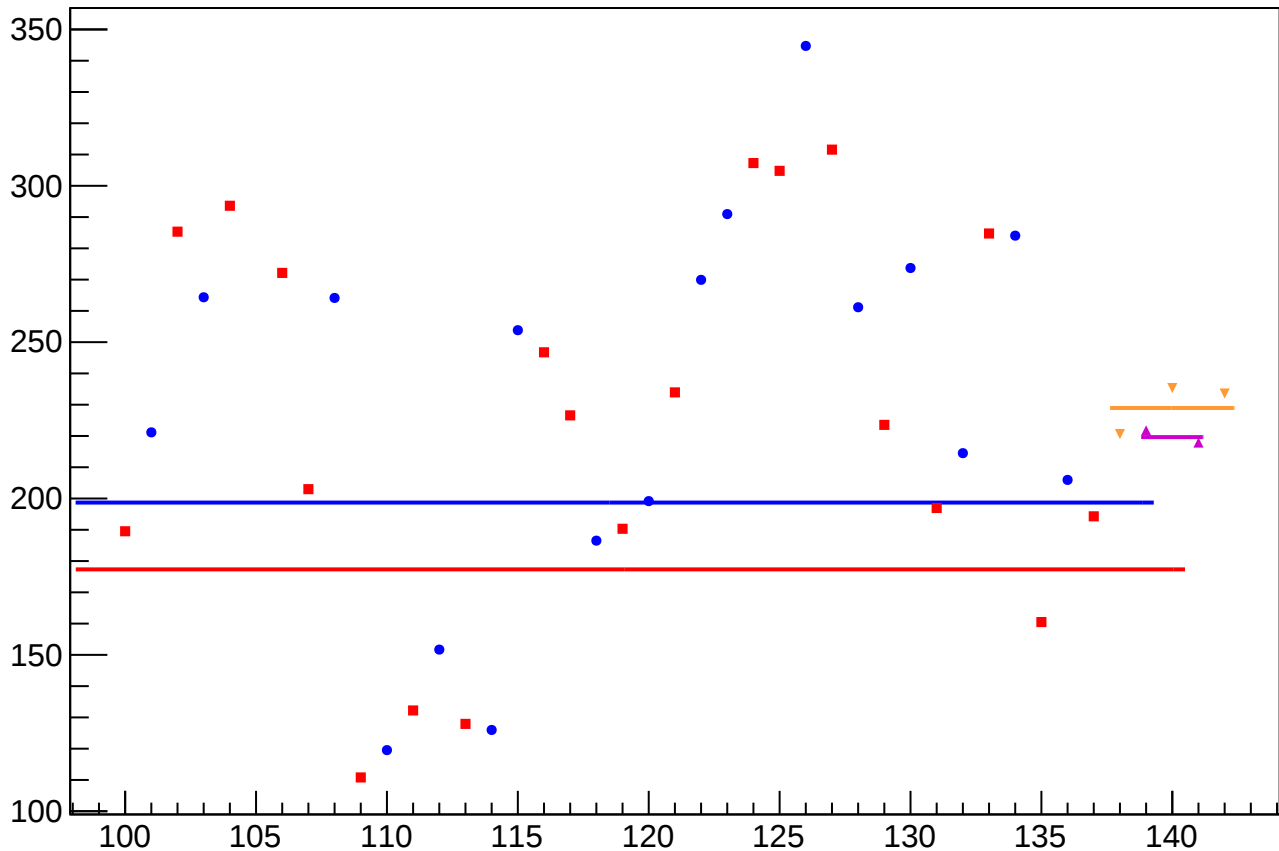
Left In: 235.167 $\pm$ 176.862 χ^2 /NDF: 1.2/1

61.614 $\pm$ 73.037 χ^2 /NDF: 7.2/19

38.273 $\pm$ 49.165 χ^2 /NDF: 15.1/41

18.932 $\pm$ 66.483 χ^2 /NDF: 7.6/21

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 228.951 $\pm$ 0.117 χ^2 /NDF:3542.4/2

Right Out: 177.338 $\pm$ 0.051 χ^2 /NDF: 1528976.8/19

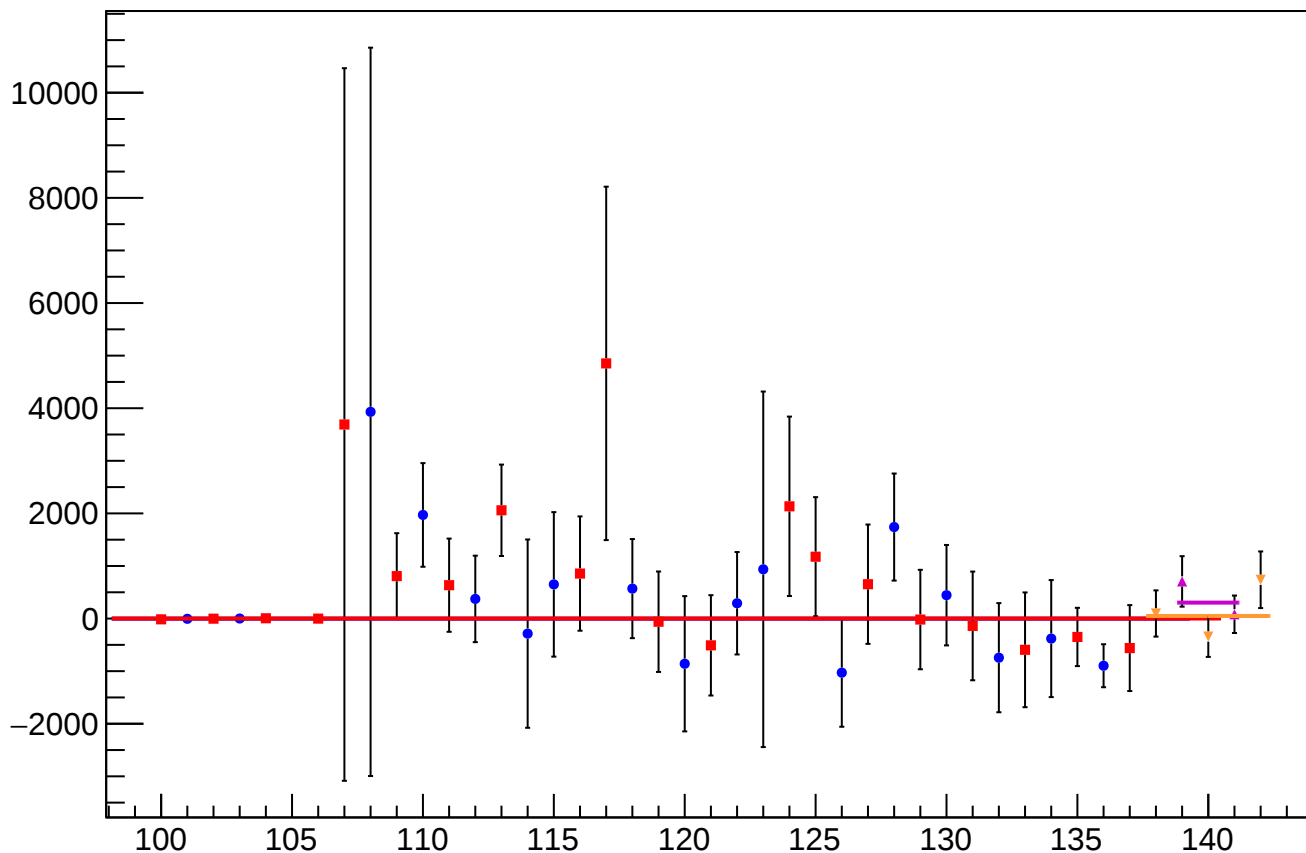
Left In: 219.637 $\pm$ 0.125 χ^2 /NDF:238.1/1

204.610 $\pm$ 0.052 χ^2 /NDF: 1020834.7/19

192.964 $\pm$ 0.035 χ^2 /NDF: 2741255.2/41

183.315 $\pm$ 0.047 χ^2 /NDF: 1627448.0/21

asym_cav4bQ_mean vs Slug, Sign Corrected



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

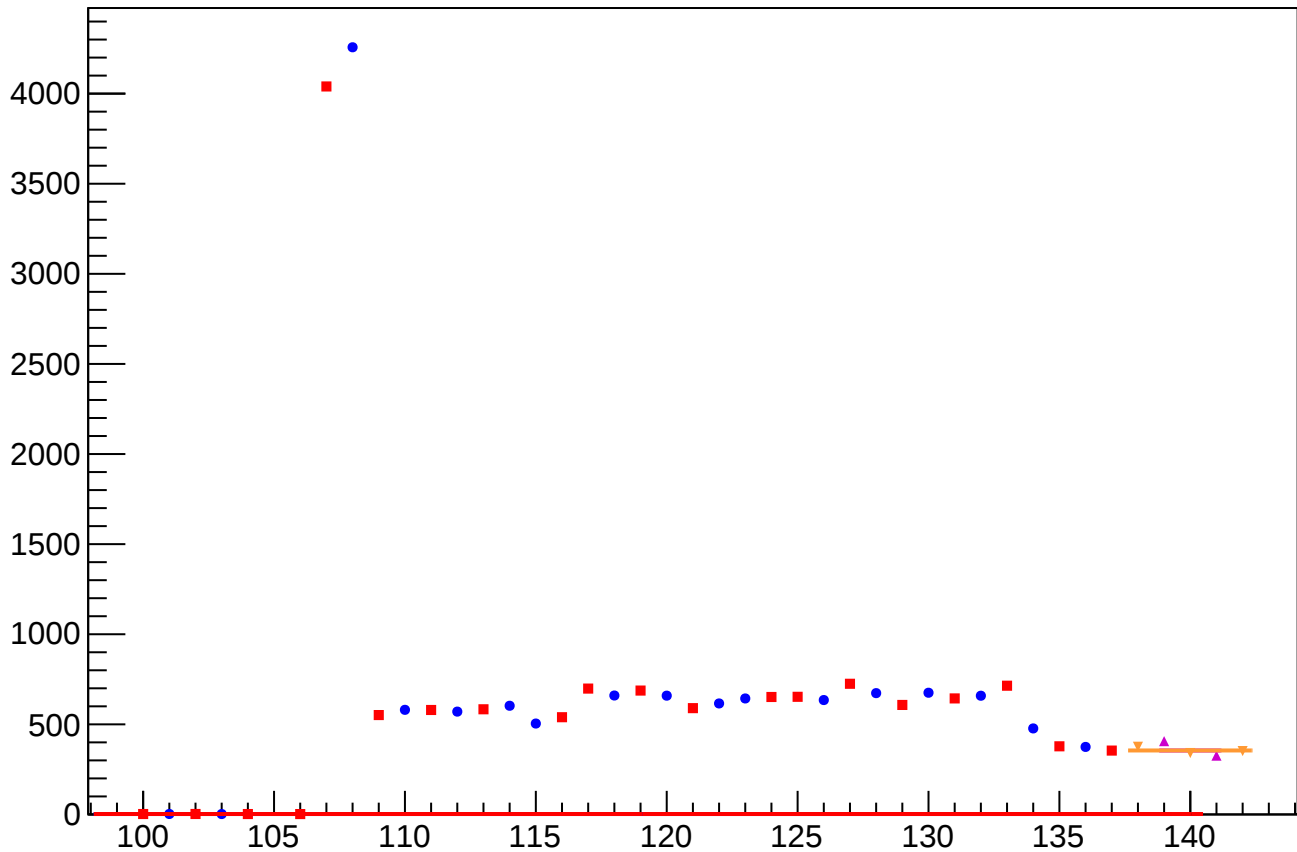
Left In: 303.443 ± 285.972 χ^2/NDF : 1.1/1

-1.525 ± 2.251 χ^2/NDF : 19.4/19

-0.314 ± 1.540 χ^2/NDF : 42.6/41

0.750 ± 2.111 χ^2/NDF : 22.7/21

asym_cav4bQ_rms vs Slug, Sign Corrected



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

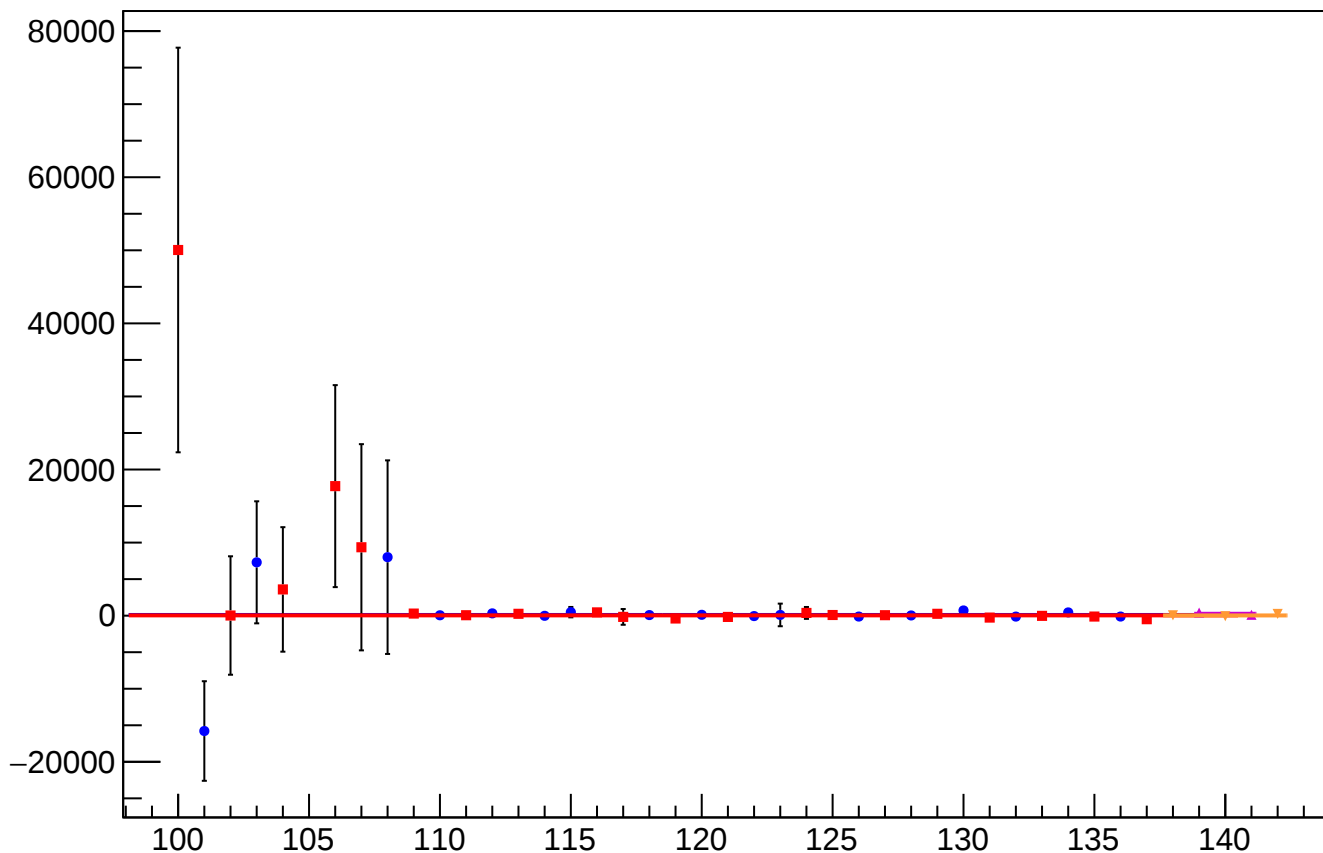
Left In: 354.864+/-0.202 χ^2/NDF : 36228.2/1

2.483+/-0.002 χ^2/NDF : 14521857.5/19

2.469+/-0.001 χ^2/NDF : 28821612.2/41

2.456+/-0.001 χ^2/NDF : 14299597.5/21

asym_cav4cQ_mean vs Slug, Sign Corrected



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

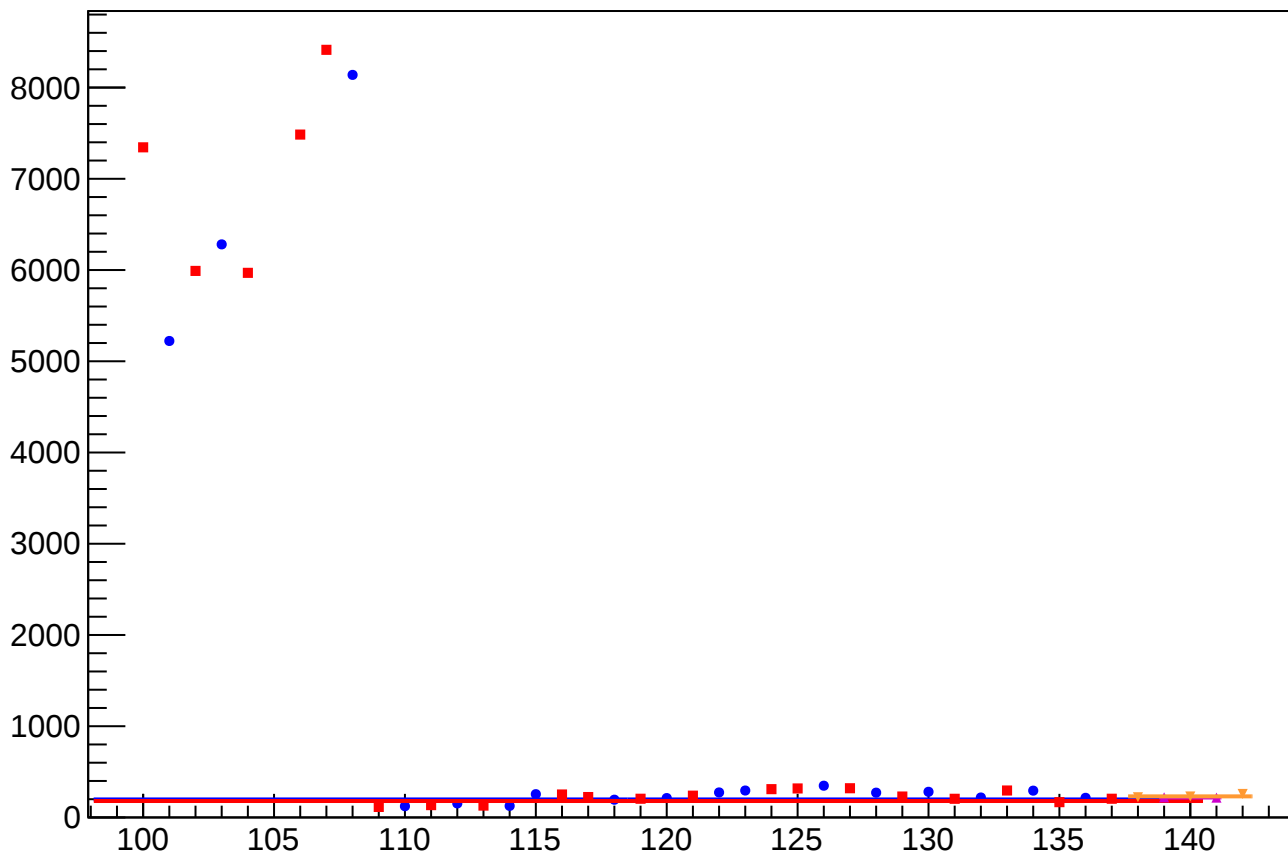
Left In: 257.500+/-176.434 χ^2/NDF : 0.7/1

80.696+/-80.420 χ^2/NDF : 12.5/19

81.122+/-55.258 χ^2/NDF : 28.5/41

81.502+/-76.054 χ^2/NDF : 16.0/21

asym_cav4cQ_rms vs Slug, Sign Corrected



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

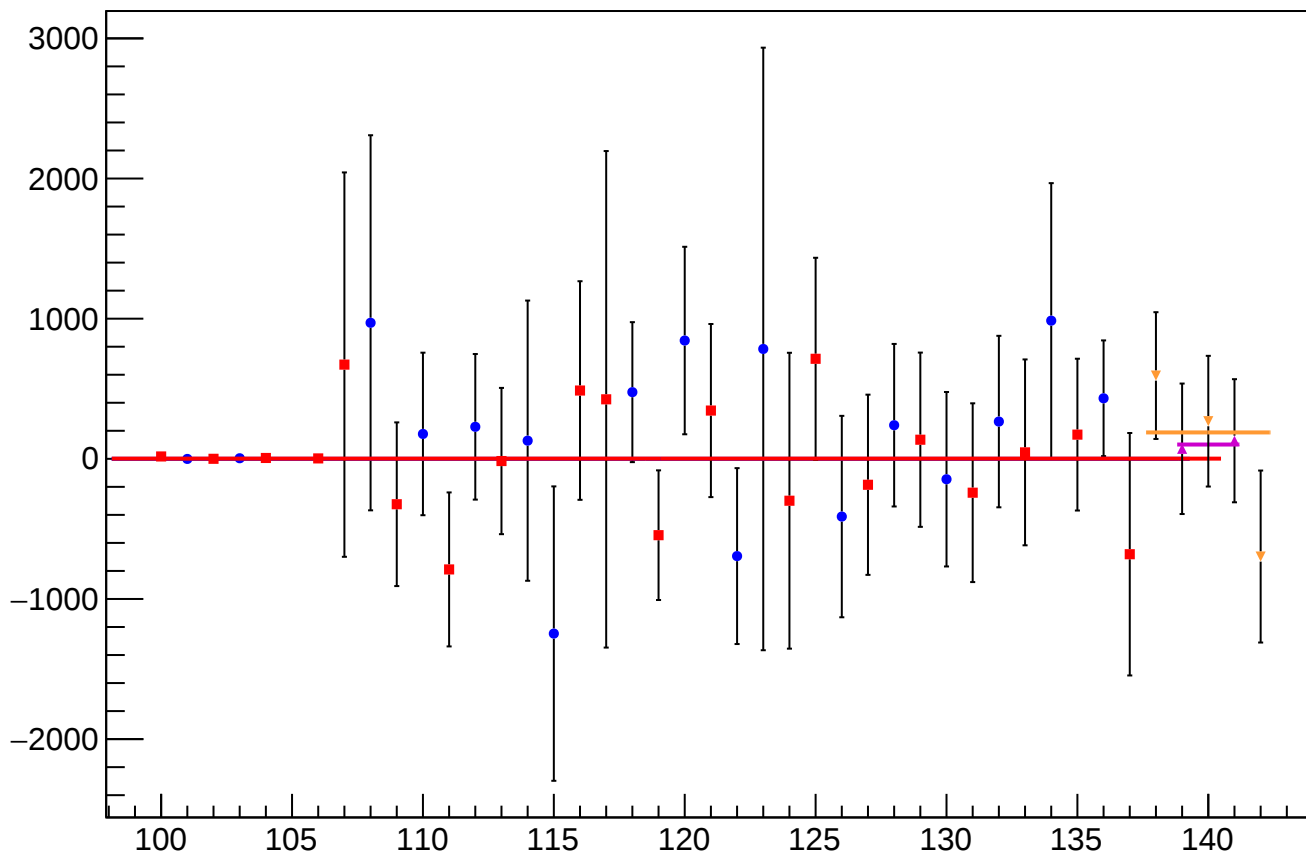
Left In: 218.707+/-0.125 χ^2/NDF : 136.6/1

205.207+/-0.057 χ^2/NDF : 3770040.8/19

195.805+/-0.039 χ^2/NDF : 8224007.3/41

187.396+/-0.054 χ^2/NDF : 4402183.1/21

asym_cav4dQ_mean vs Slug, Sign Corrected



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

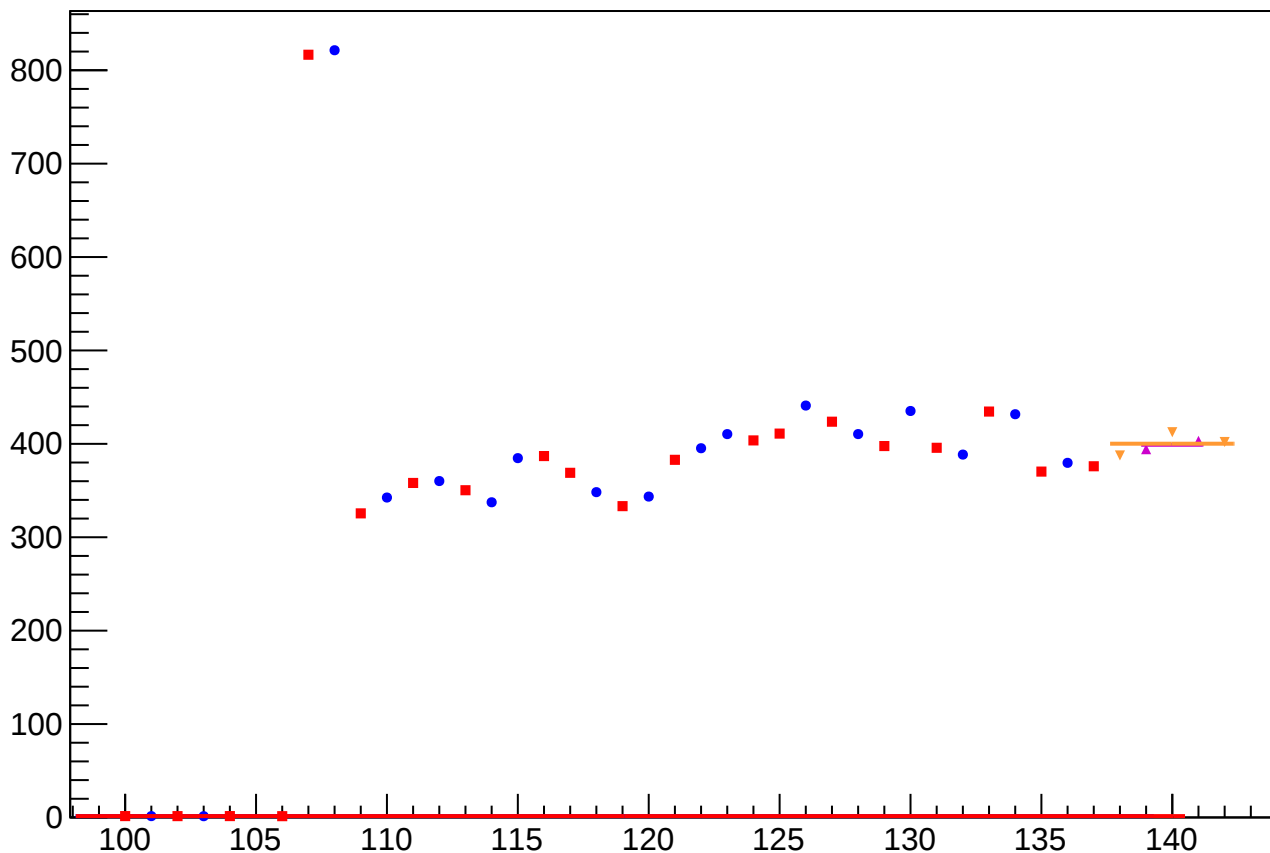
Left In: 101.958 ± 319.466 χ^2/NDF : 0.0/1

-0.132 ± 1.737 χ^2/NDF : 13.1/19

0.647 ± 1.186 χ^2/NDF : 23.2/41

1.327 ± 1.623 χ^2/NDF : 9.7/21

asym_cav4dQ_rms vs Slug, Sign Corrected



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

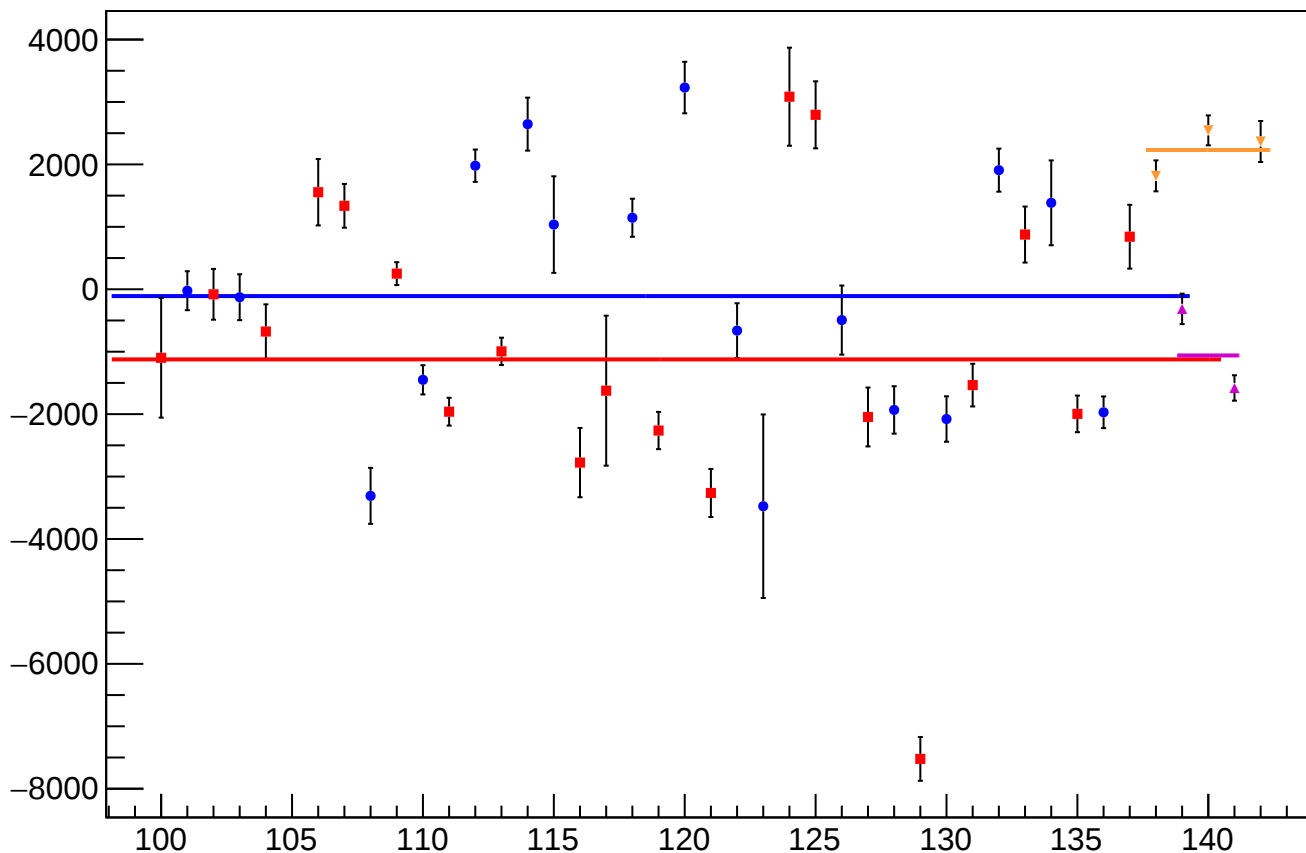
Left In: 399.010+/-0.226 χ^2/NDF : 388.9/1

1.467+/-0.001 χ^2/NDF : 14679276.6/19

1.464+/-0.001 χ^2/NDF : 28736533.7/41

1.462+/-0.001 χ^2/NDF : 14057247.4/21

asym_bcm0l02_mean vs Slug, Sign Corrected



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

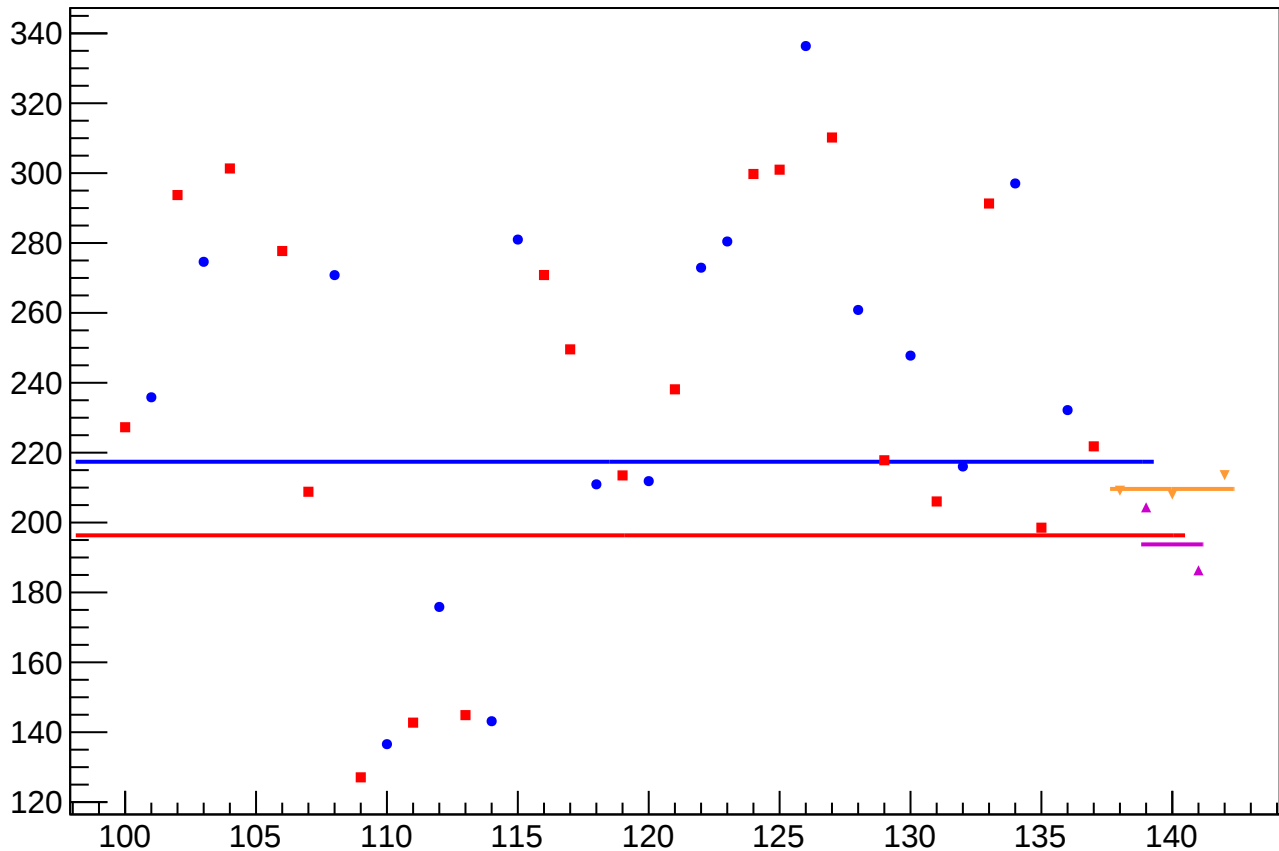
Left In: -1060.122+/-156.281 χ^2/NDF : 15.9/1

474.433+/-76.207 χ^2/NDF : 609.6/19

-385.800+/-51.534 χ^2/NDF : 1530.6/41

-1110.671+/-69.955 χ^2/NDF : 686.3/21

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 209.624 $\pm$ 0.108 χ^2 /NDF:386.9/2

Right Out: 196.339 $\pm$ 0.055 χ^2 /NDF: 1194805.7/19

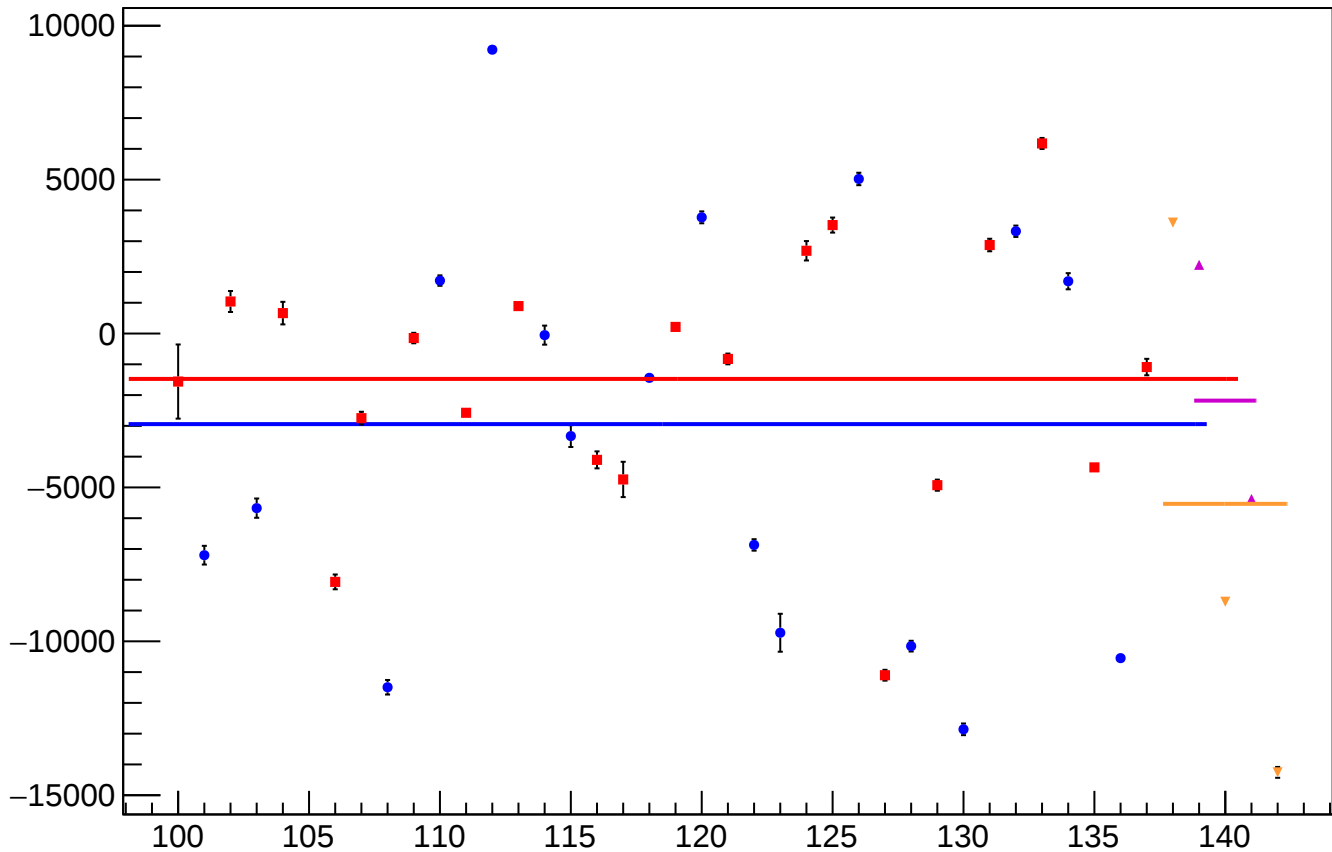
Left In: 193.749 $\pm$ 0.111 χ^2 /NDF:6442.7/1

215.463 $\pm$ 0.054 χ^2 /NDF: 656921.1/19

204.803 $\pm$ 0.036 χ^2 /NDF: 1930719.4/41

195.820 $\pm$ 0.049 χ^2 /NDF: 1201687.5/21

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -5533.375+/-84.045 χ^2/NDF : 7294.0/2

Right Out: -1474.497+/-46.252 χ^2/NDF : 8028.6/19

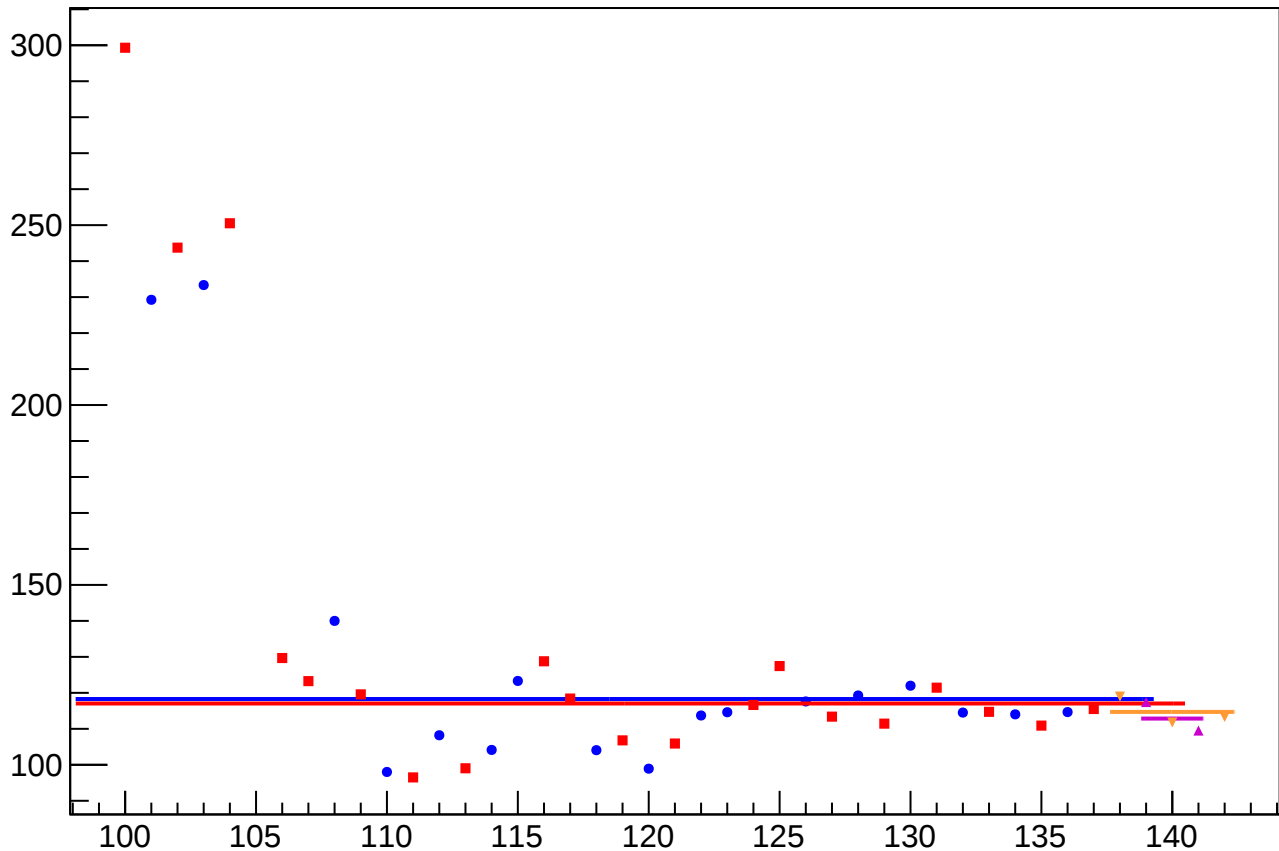
Left In: -2179.814+/-92.048 χ^2/NDF : 1664.6/1

-3592.467+/-42.080 χ^2/NDF : 28915.6/19

-2586.766+/-29.486 χ^2/NDF : 39777.8/41

-1616.682+/-41.328 χ^2/NDF : 9740.1/21

asym_bpm2i01WS_rms vs Slug, Sign Corrected



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

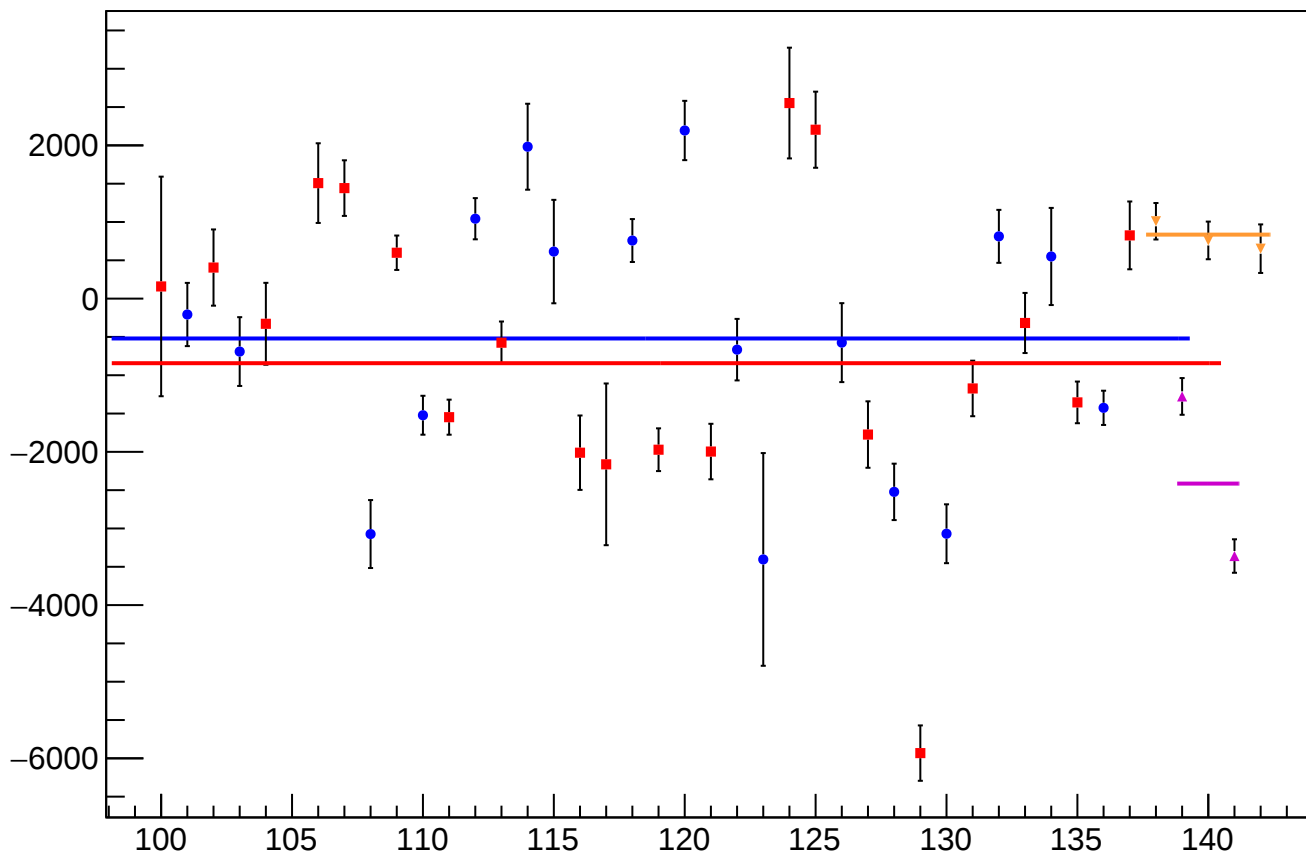
Left In: 112.850+/-0.065 χ^2/NDF : 3612.6/1

117.387+/-0.030 χ^2/NDF : 642612.9/19

116.781+/-0.021 χ^2/NDF : 1341224.5/41

116.196+/-0.029 χ^2/NDF : 697795.3/21

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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

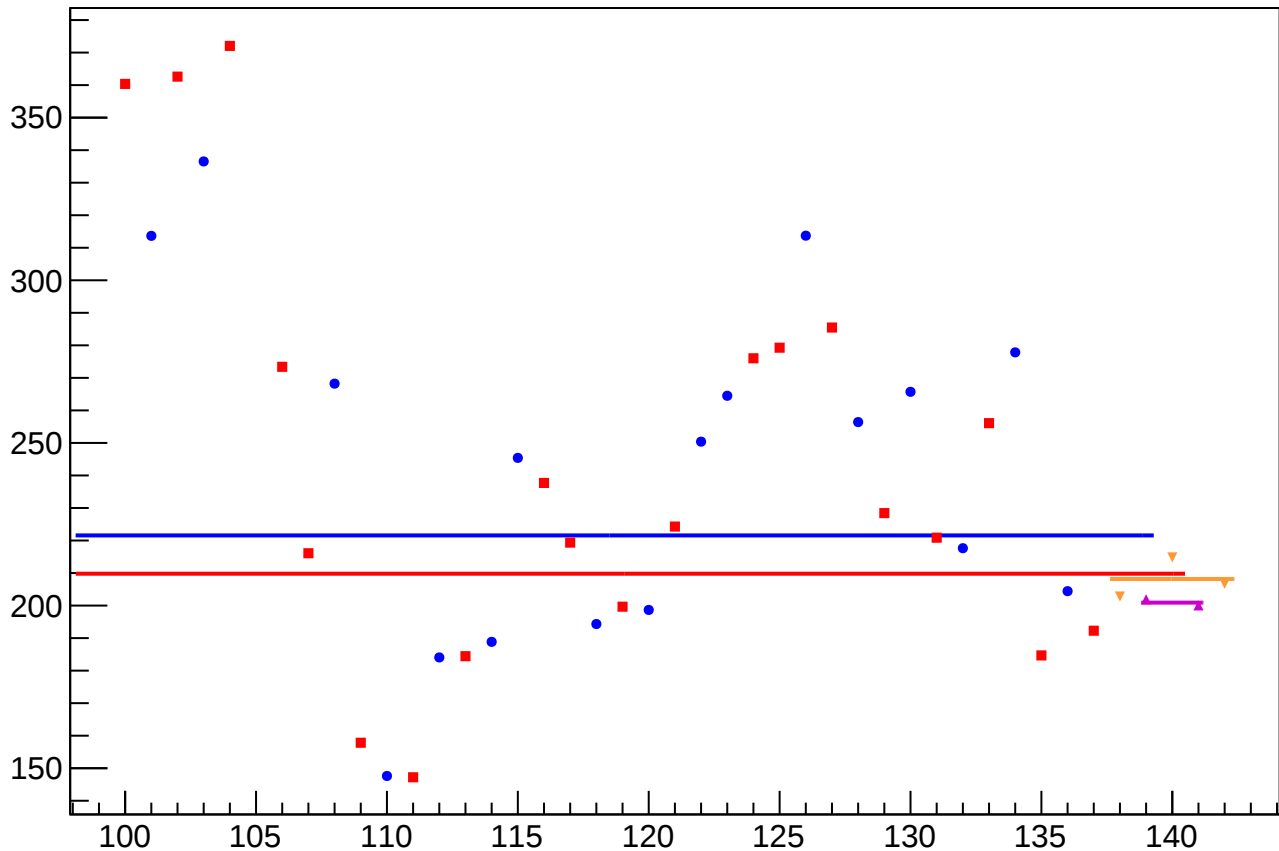
Left In: -2414.192+/-161.458 χ^2/NDF : 41.3/1

-167.613+/-76.759 χ^2/NDF : 349.1/19

-690.557+/-52.947 χ^2/NDF : 990.5/41

-1165.206+/-73.129 χ^2/NDF : 552.8/21

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 208.173 $\pm$ 0.106 χ^2 /NDF: 2522.9/2

Right Out: 209.794 $\pm$ 0.058 χ^2 /NDF: 884087.4/19

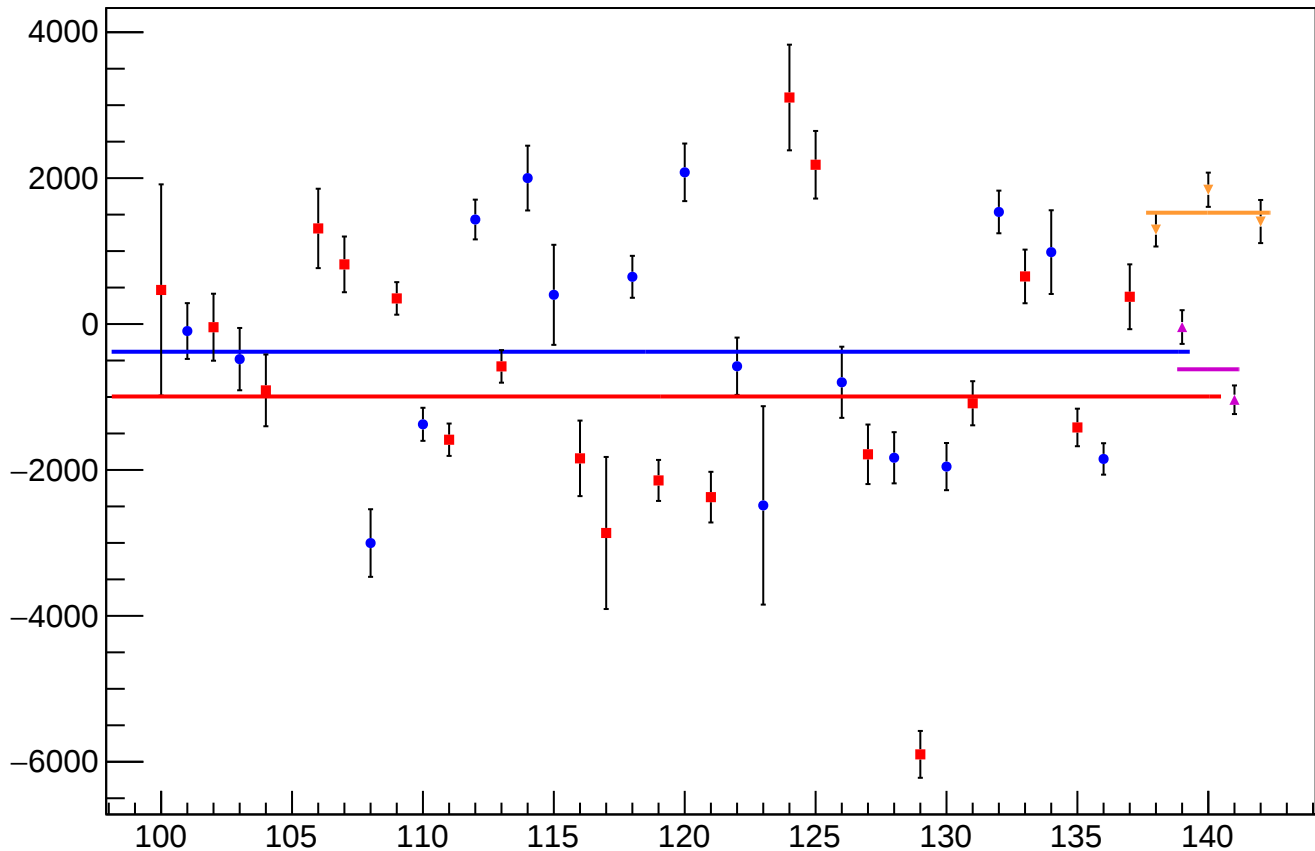
Left In: 200.909 $\pm$ 0.114 χ^2 /NDF: 68.0/1

218.084 $\pm$ 0.054 χ^2 /NDF: 659190.3/19

212.783 $\pm$ 0.037 χ^2 /NDF: 1566359.0/41

207.971 $\pm$ 0.052 χ^2 /NDF: 888970.1/21

asym_bpm0l01WS_mean vs Slug, Sign Corrected



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

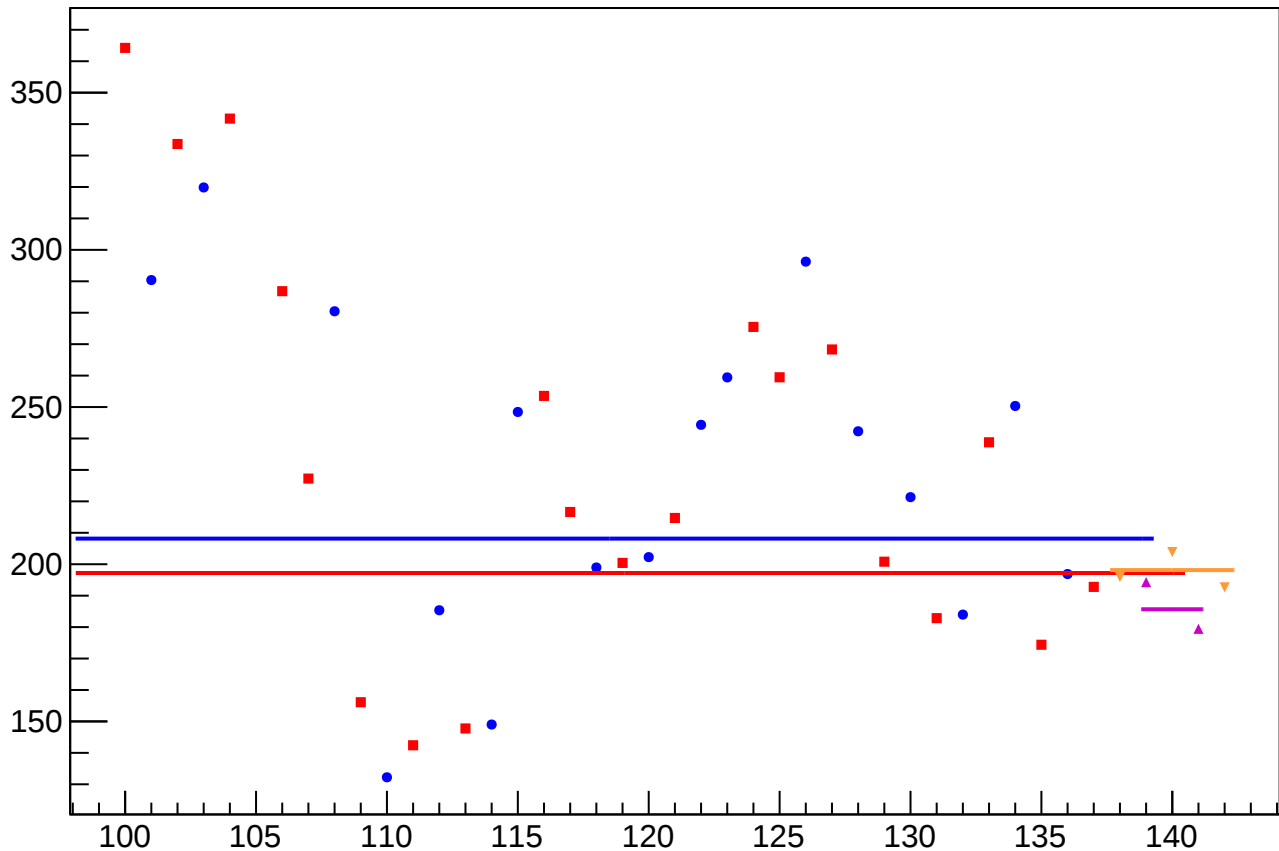
Left In: -620.239 ± 149.564 χ^2/NDF : 10.8/1

107.087 ± 72.708 χ^2/NDF : 450.8/19

-431.527 ± 49.980 χ^2/NDF : 1050.0/41

-914.039 ± 68.817 χ^2/NDF : 495.2/21

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 $\pm$ 0.060 χ^2 /NDF: 699084.2/16

Left Out: 198.136 $\pm$ 0.102 χ^2 /NDF: 2069.0/2

Right Out: 197.210 $\pm$ 0.055 χ^2 /NDF: 927165.0/19

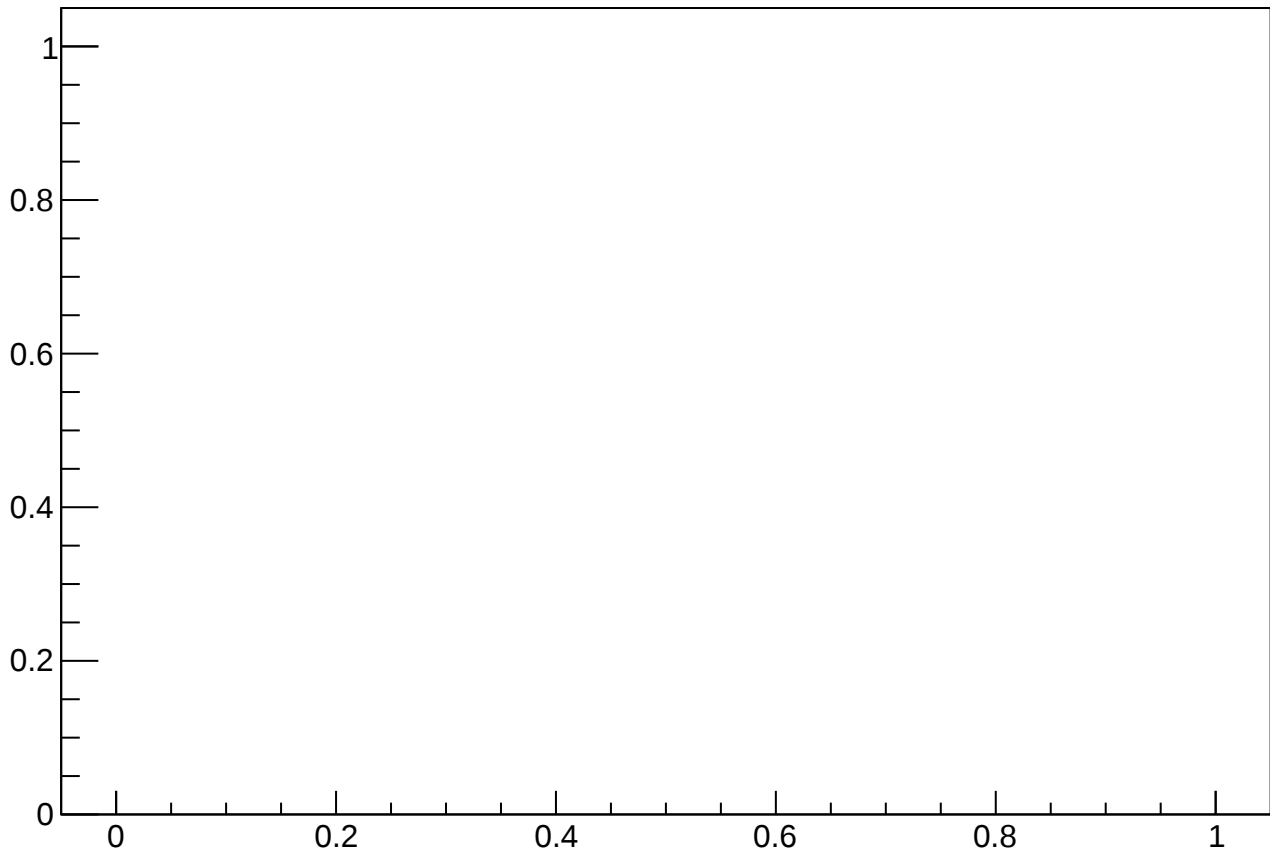
Left In: 185.677 $\pm$ 0.106 χ^2 /NDF: 4804.6/1

205.593 $\pm$ 0.051 χ^2 /NDF: 708368.9/19

199.884 $\pm$ 0.035 χ^2 /NDF: 1673095.3/41

194.769 $\pm$ 0.049 χ^2 /NDF: 941344.9/21

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

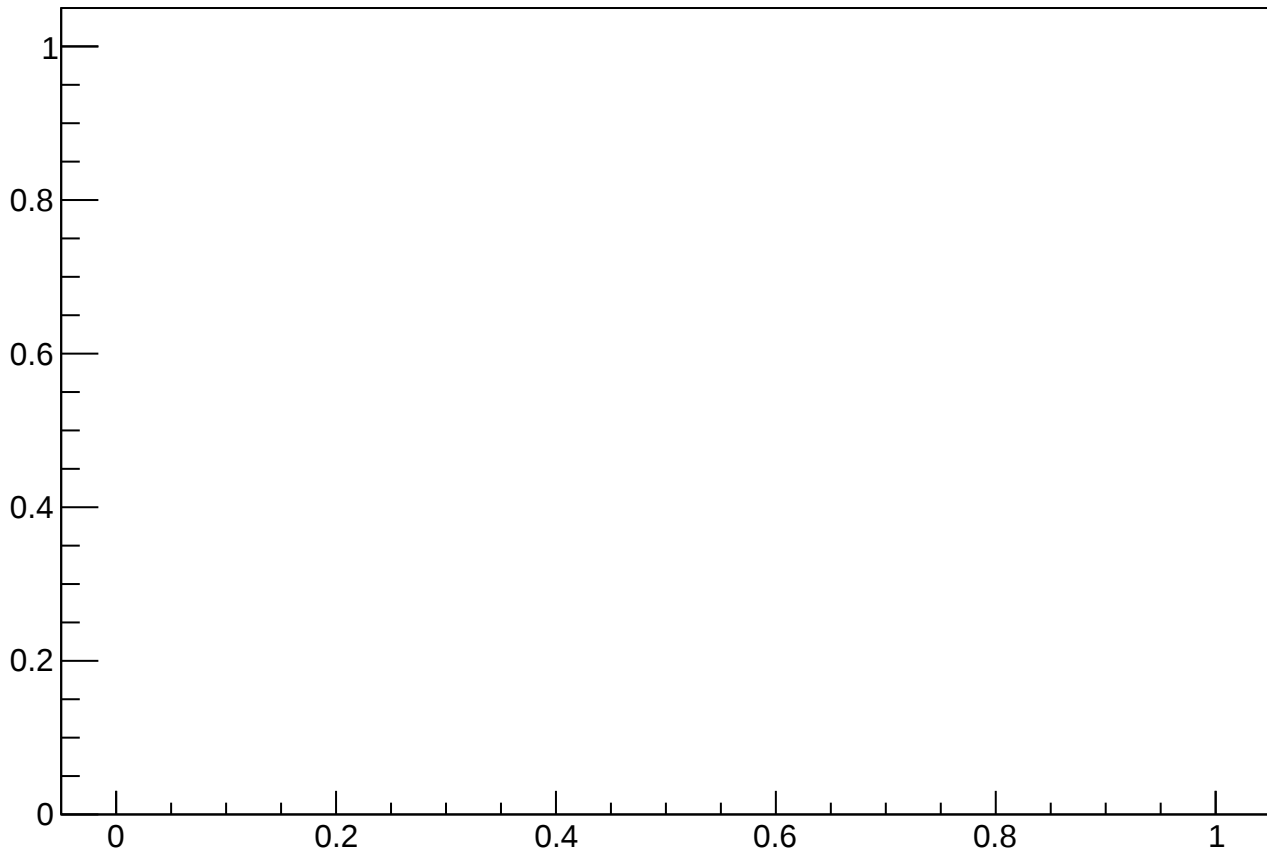
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



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

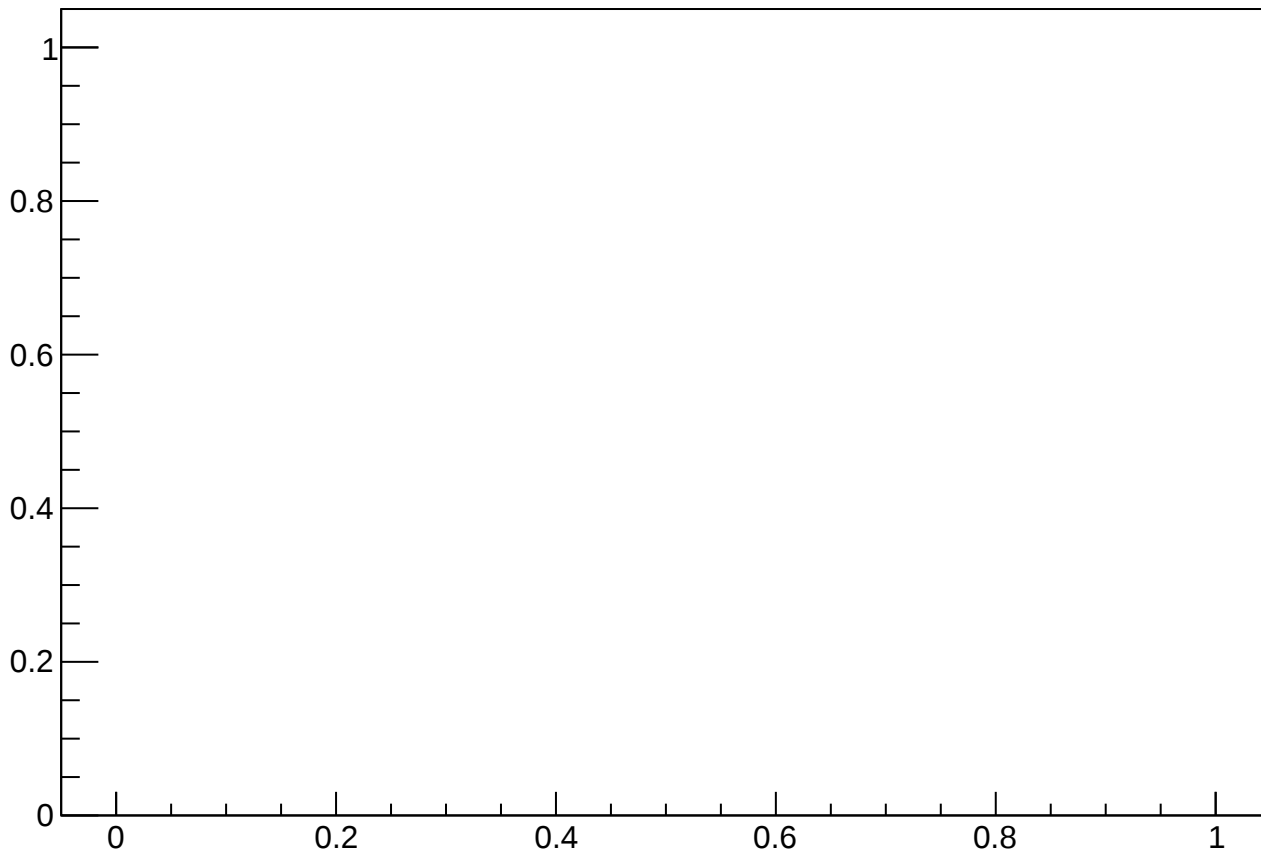
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

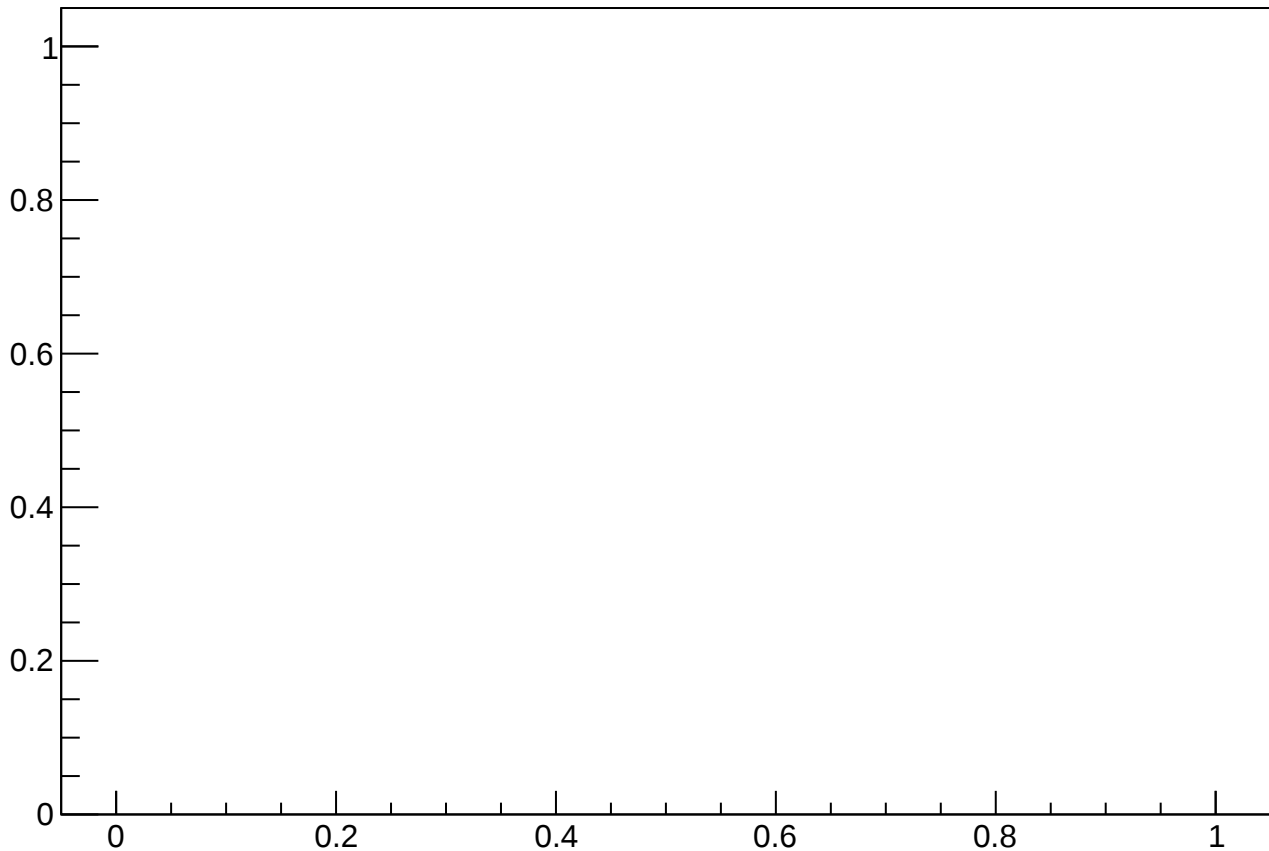
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

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

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

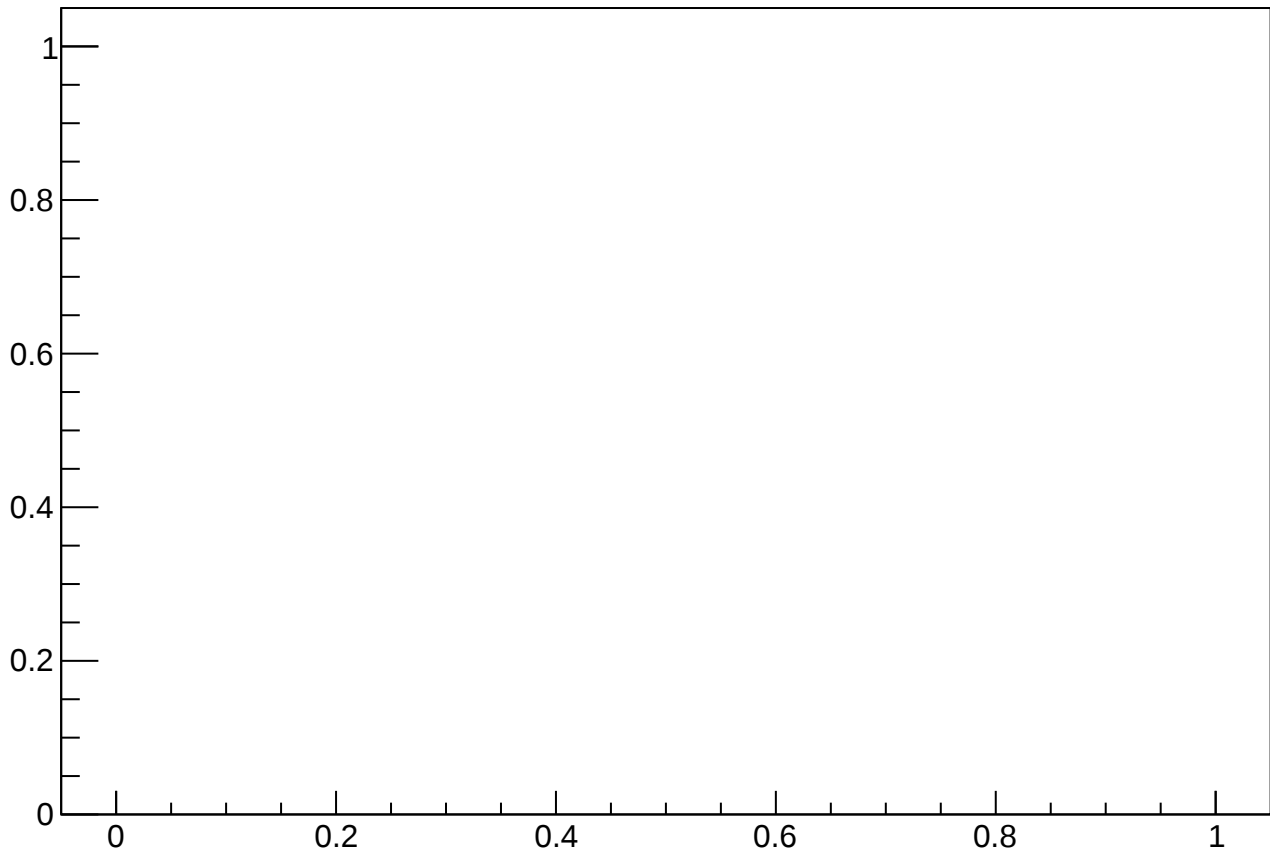
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

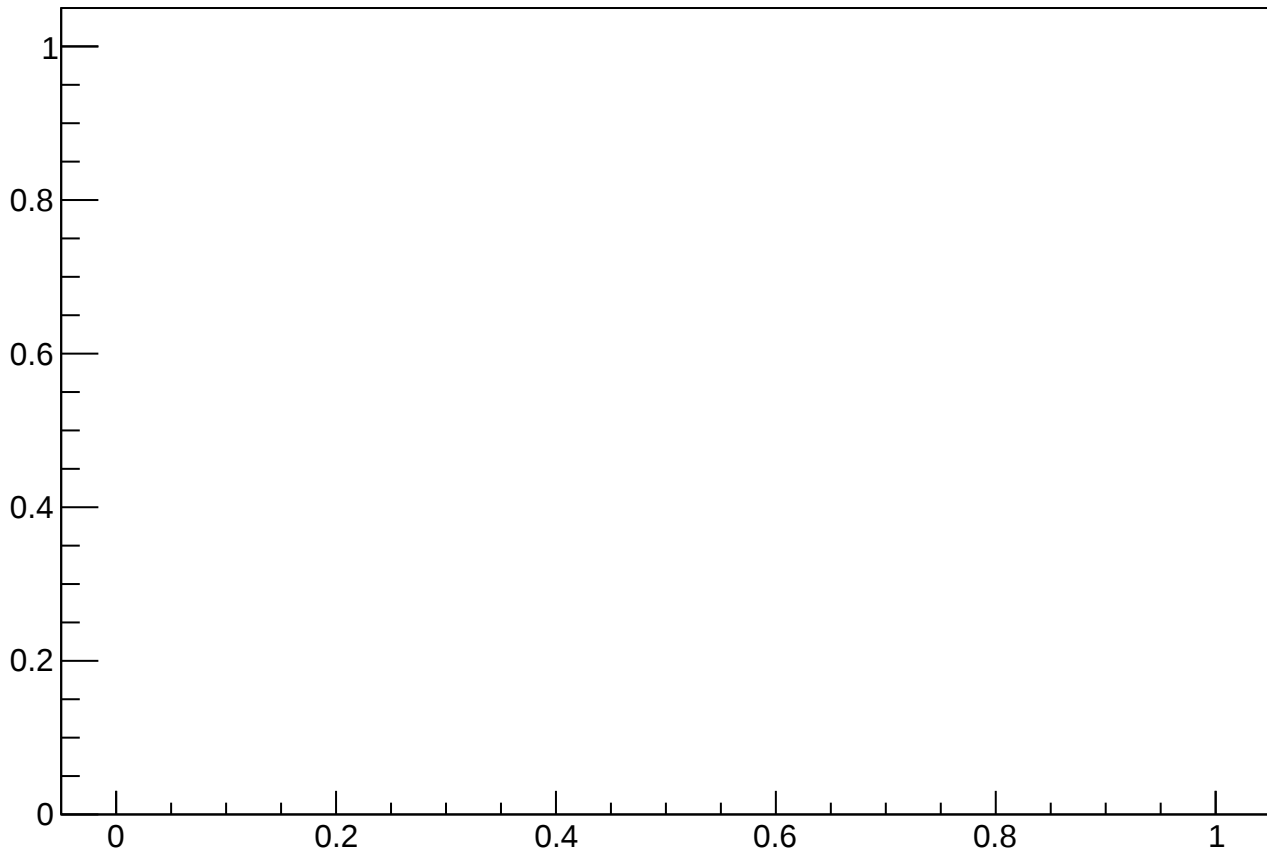
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

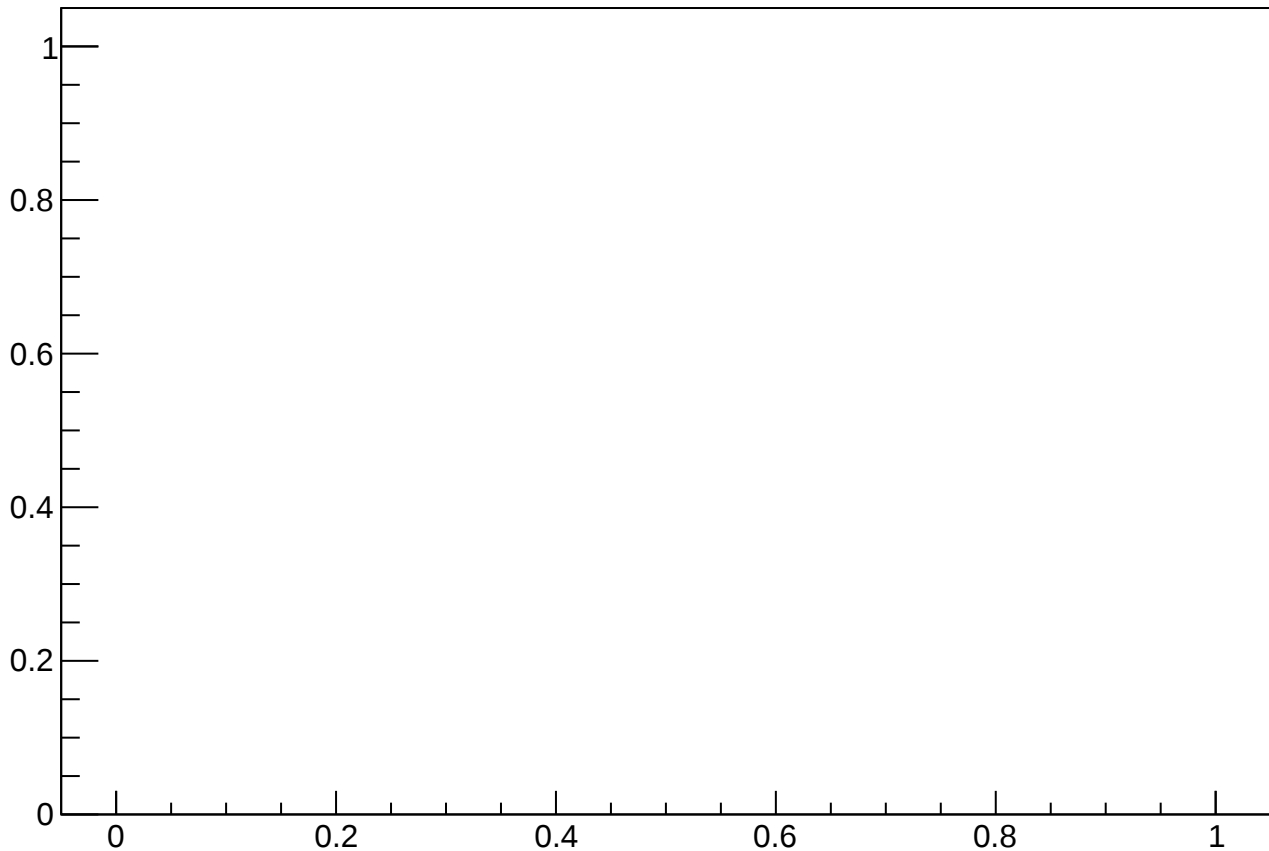
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

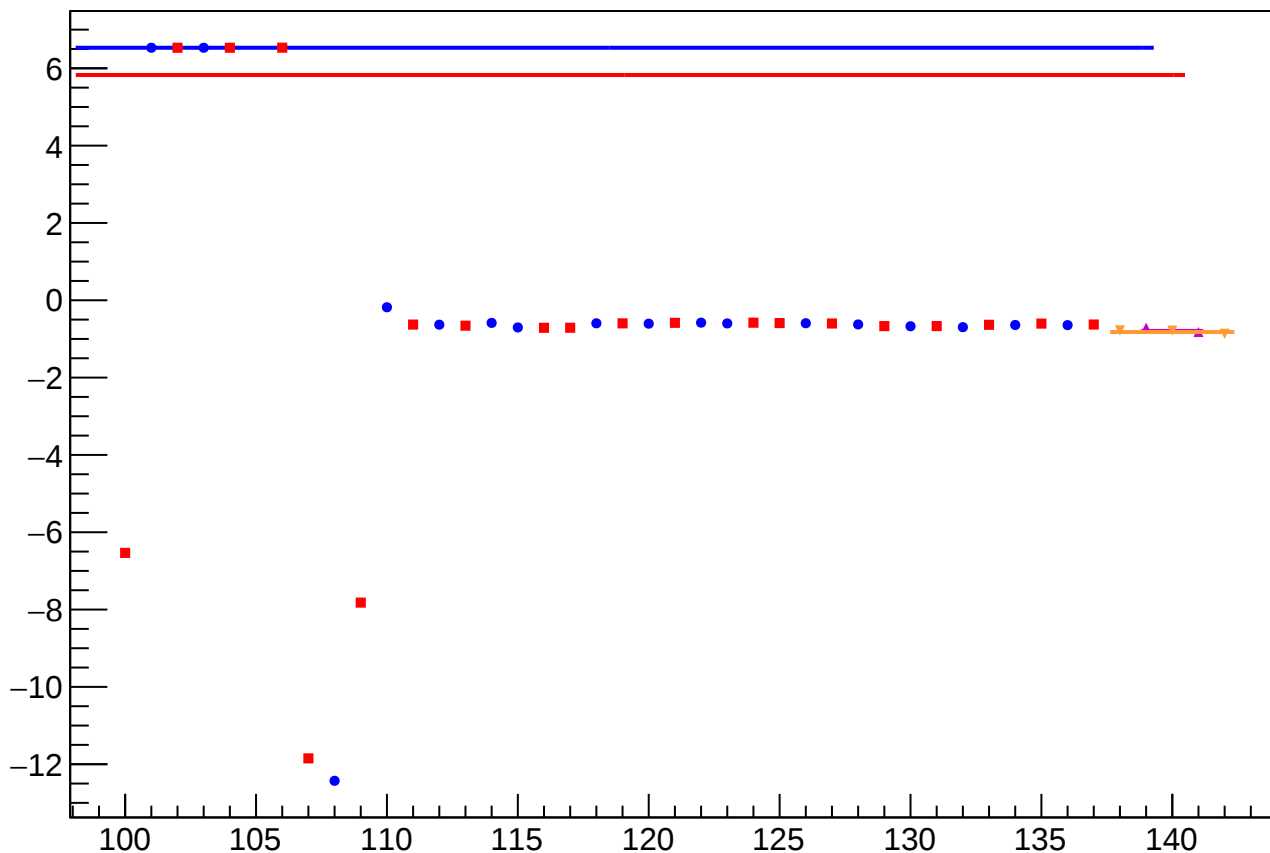
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.821+/-0.000 χ^2/NDF : 2126857.4/2

Right Out: 5.827+/-0.000 χ^2/NDF : 755964092355063.0/19

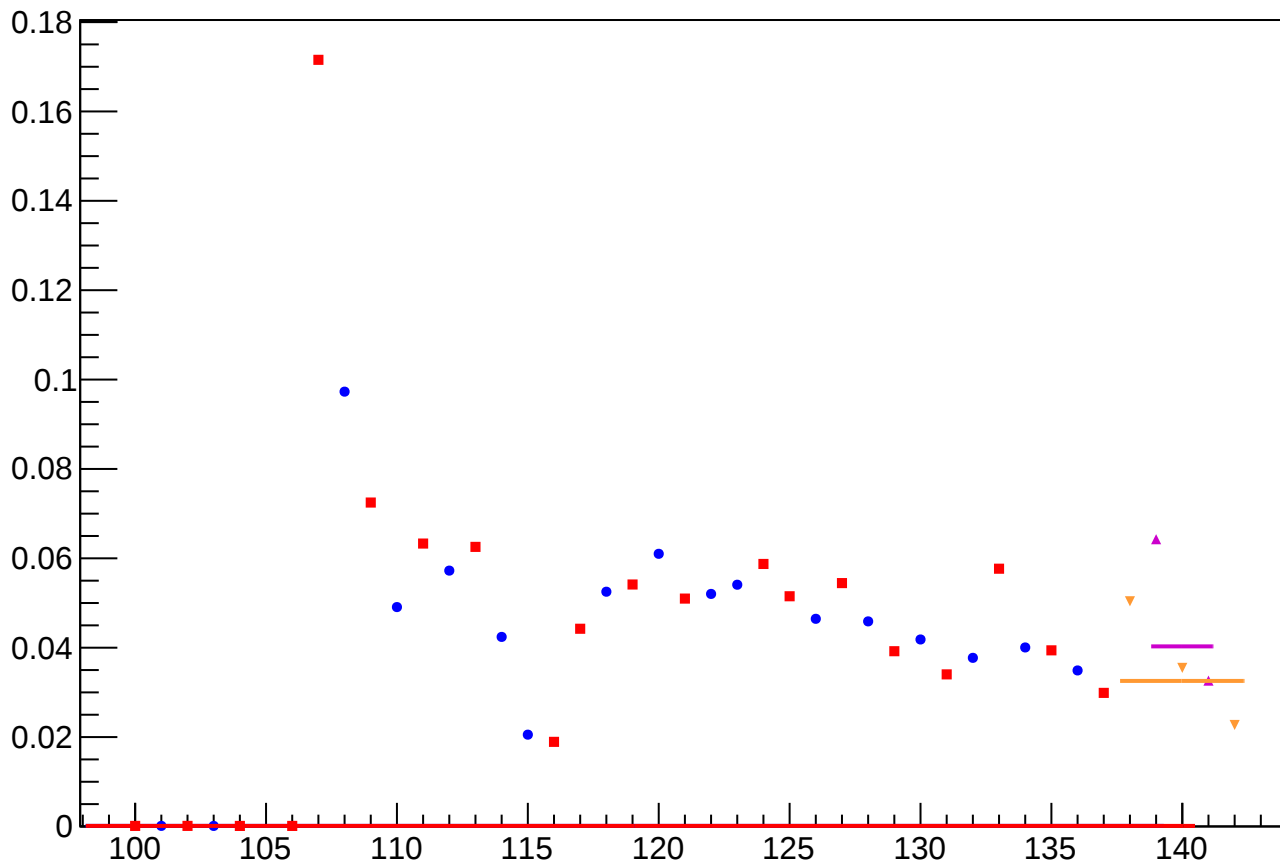
Left In: -0.793+/-0.000 χ^2/NDF : 1596161.8/1

6.532+/-0.000 χ^2/NDF : 193261087014.4/19

6.155+/-0.000 χ^2/NDF : 77618868117841

5.827+/-0.000 χ^2/NDF : 755994687441828.4/21

yield_cav4bX_rms vs Slug, Sign Corrected



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

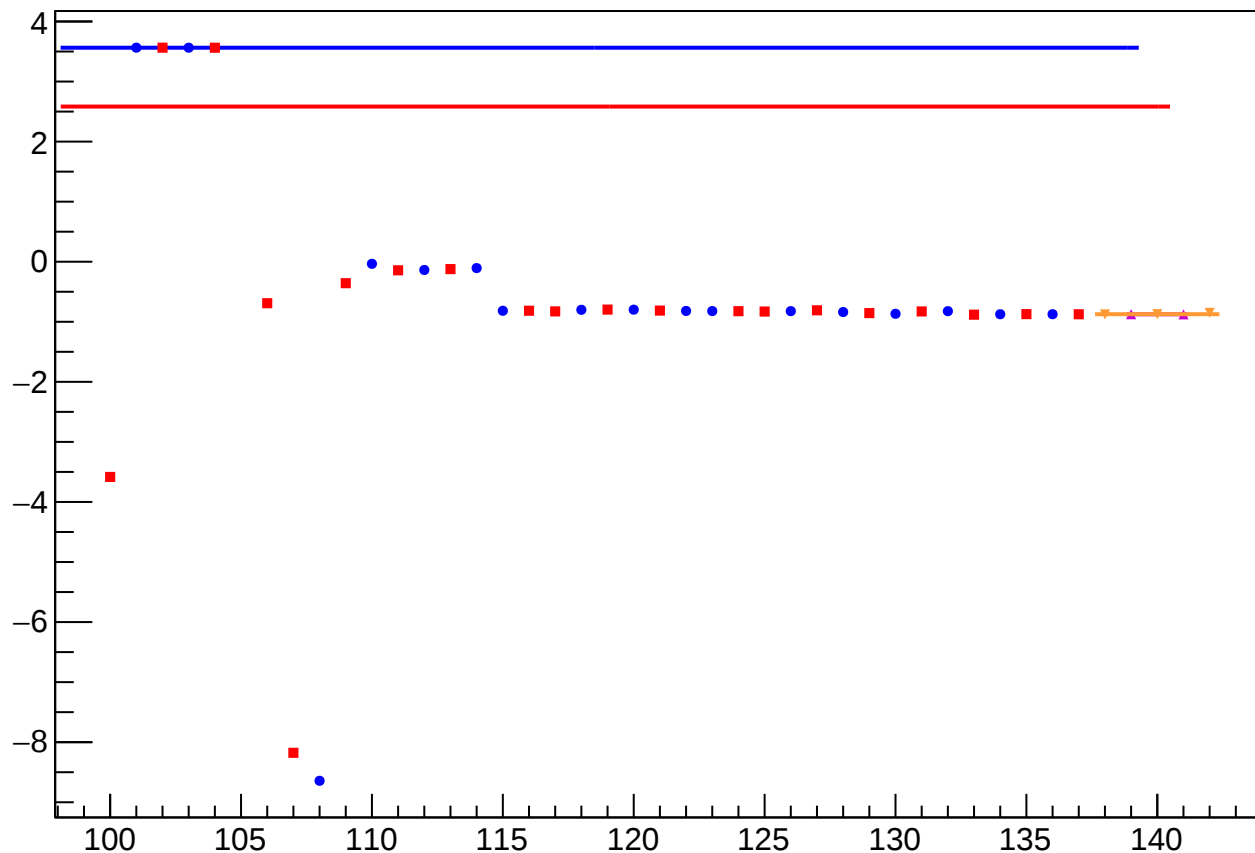
Left In: 0.040+/-0.000 χ^2/NDF : 256555.0/1

0.000+/-0.000 χ^2/NDF : 11727752.0/19

0.000+/-0.000 χ^2/NDF : 23666666.3/41

0.000+/-0.000 χ^2/NDF : 11938611.1/21

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563 $\pm$ 0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.874 $\pm$ 0.000 χ^2/NDF : 1181421.9/2

Right Out: 2.583 $\pm$ 0.000 χ^2/NDF : 1253503502448656.2/19

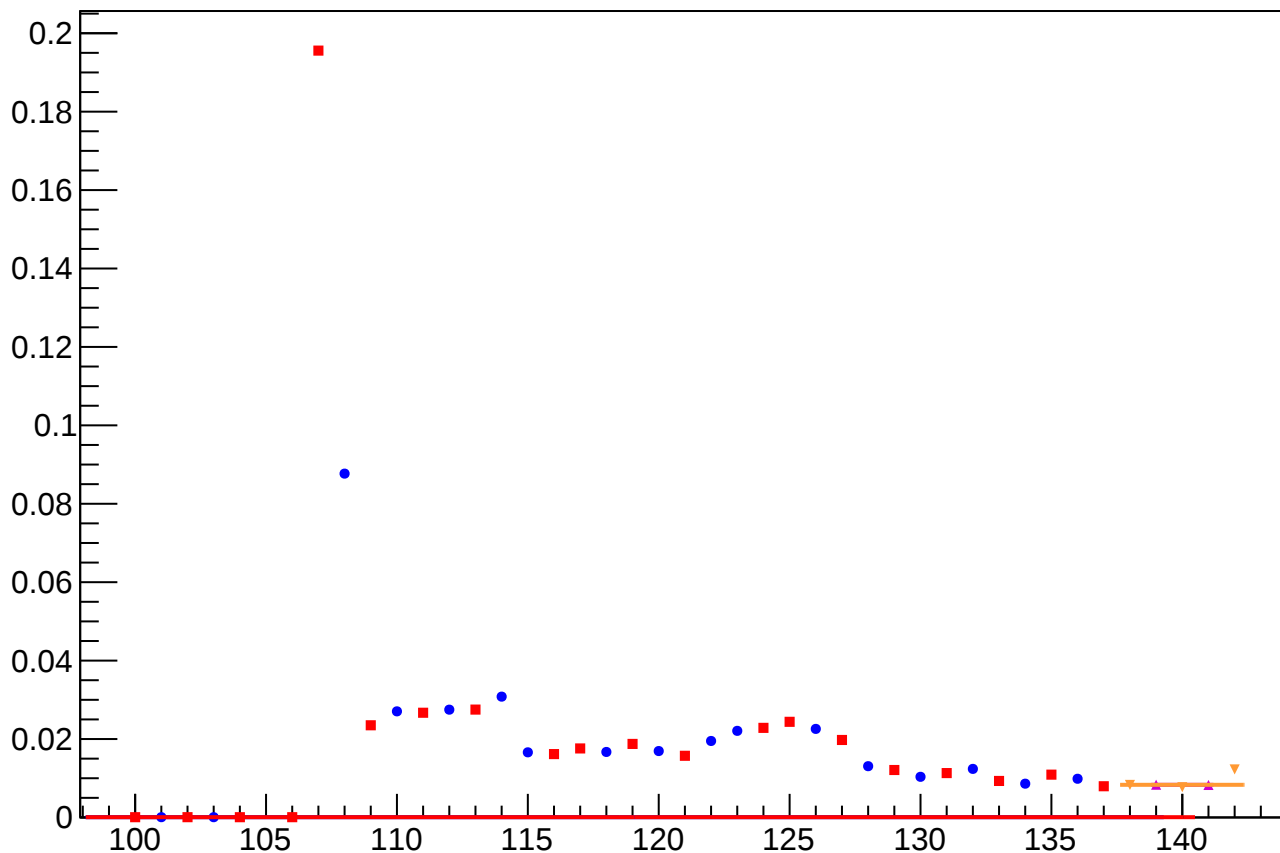
Left In: -0.875 $\pm$ 0.000 χ^2/NDF : 26874.7/1

3.563 $\pm$ 0.000 χ^2/NDF : 974672885479.2/19

3.040 $\pm$ 0.000 χ^2/NDF : 13829762538647

2.583 $\pm$ 0.000 χ^2/NDF : 1253765705843789.5/19

yield_cav4bY_rms vs Slug, Sign Corrected



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

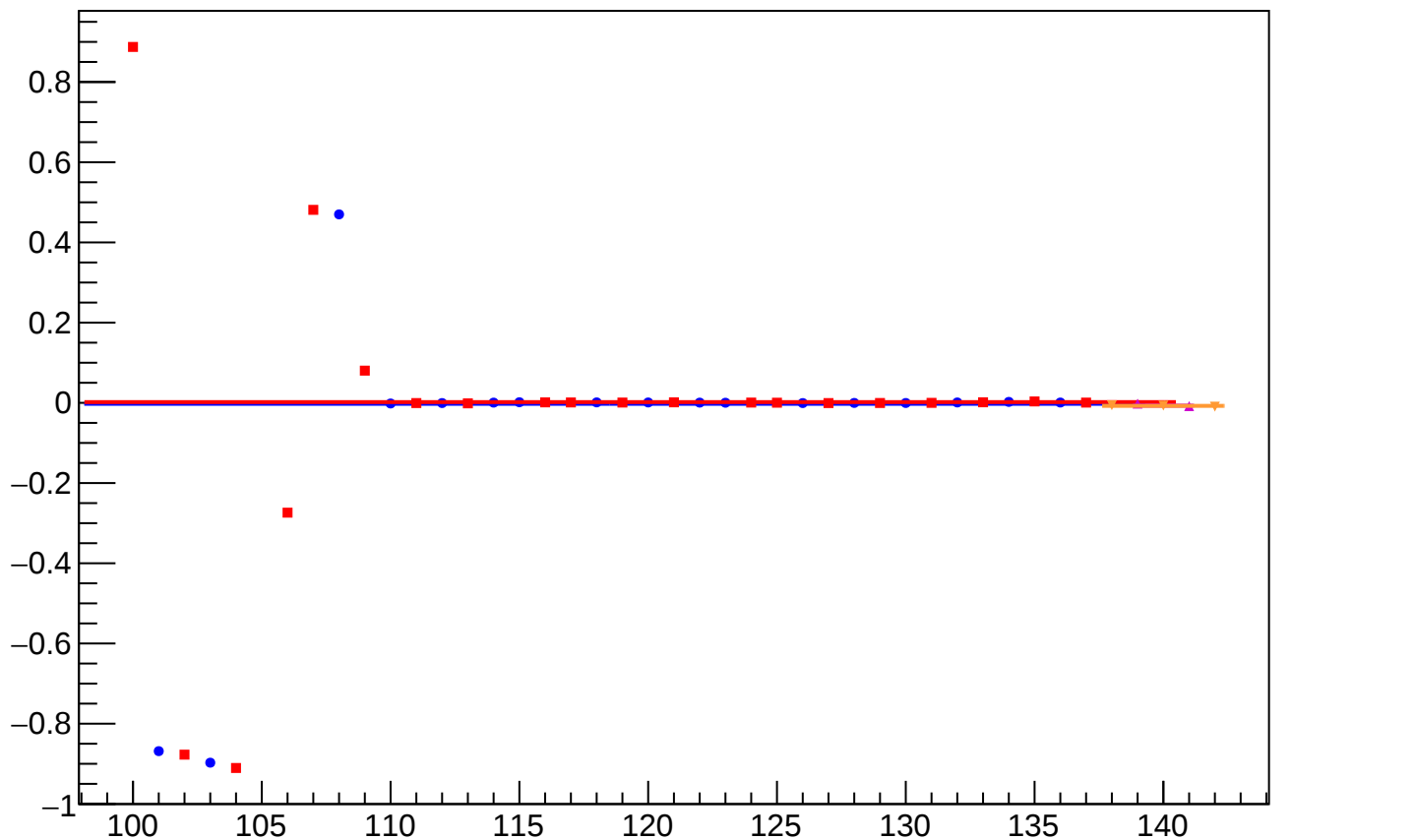
Left In: 0.008+/-0.000 χ^2/NDF : 45.6/1

0.000+/-0.000 χ^2/NDF : 13212492.3/19

0.000+/-0.000 χ^2/NDF : 26134585.5/41

0.000+/-0.000 χ^2/NDF : 12921708.3/21

yield_cav4cX_mean vs Slug, Sign Corrected



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

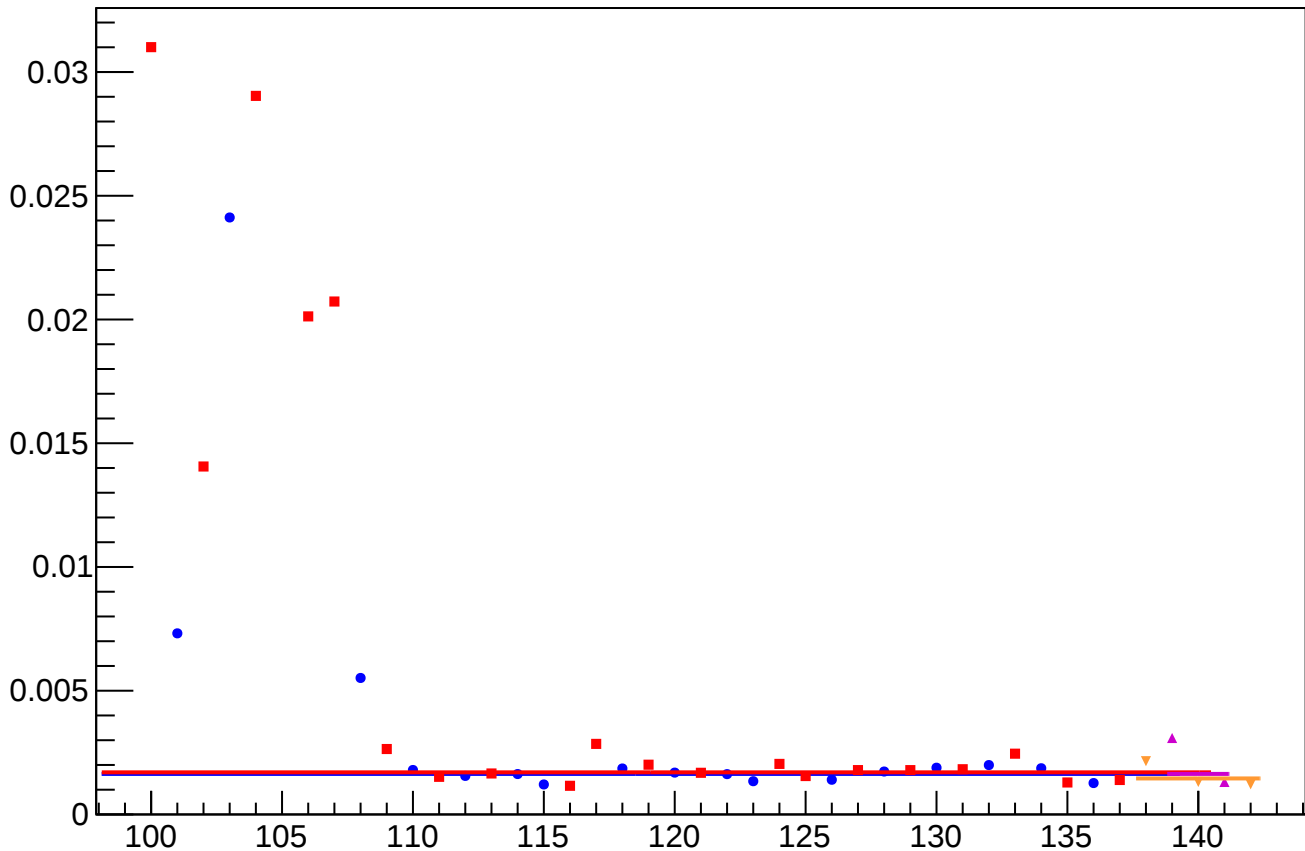
Left In: -0.007 $\pm$ 0.000 χ^2 /NDF: 2374308.0/1

-0.004 $\pm$ 0.000 χ^2 /NDF: 9808290690.7/19

-0.002 $\pm$ 0.000 χ^2 /NDF: 12892394465.6/4

-0.000 $\pm$ 0.000 χ^2 /NDF: 3069200575.3/21

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:159017.3/2

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3037006.7/19

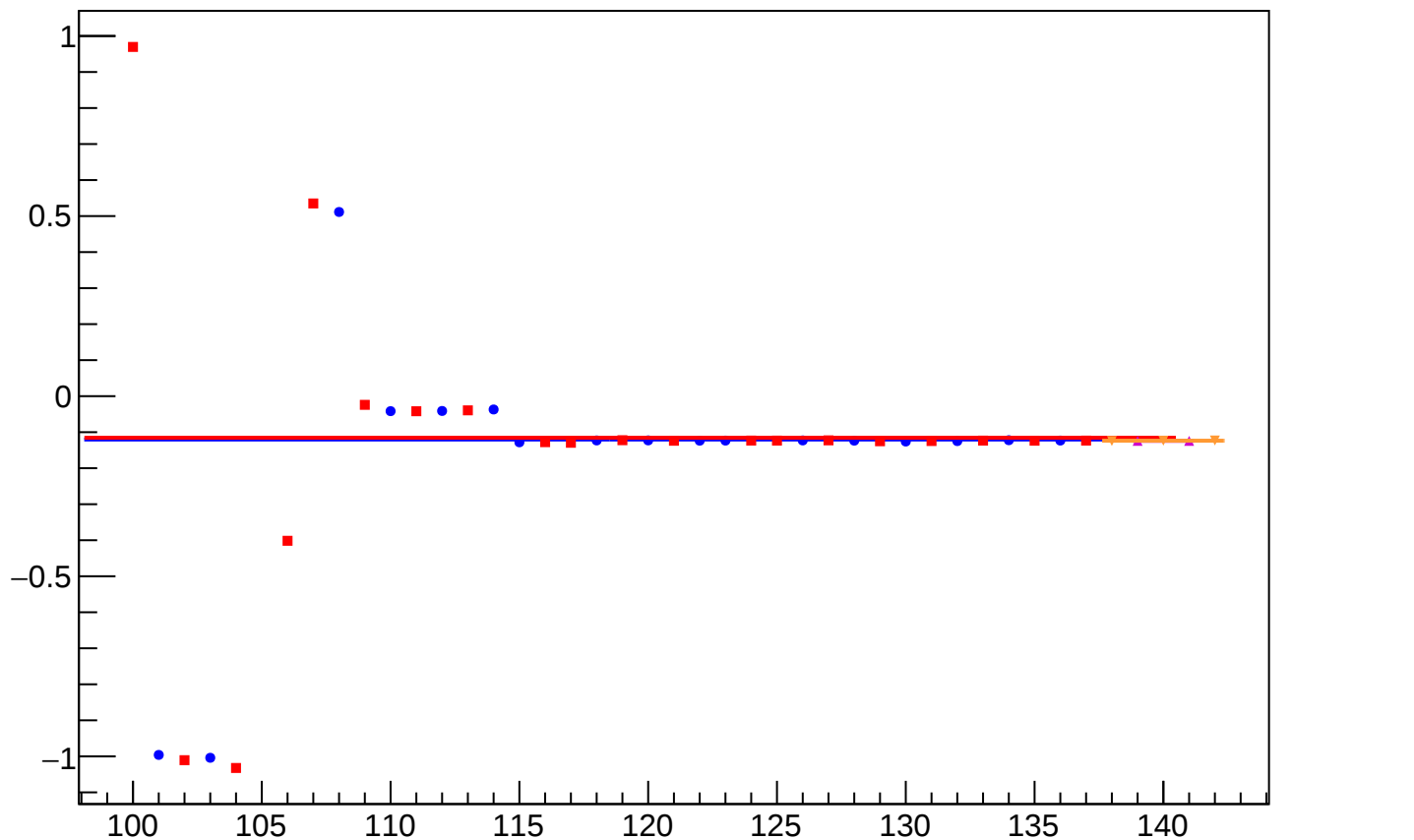
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:389126.6/1

0.002 $\pm$ 0.000 χ^2 /NDF: 2105799.1/19

0.002 $\pm$ 0.000 χ^2 /NDF: 5555762.0/41

0.002 $\pm$ 0.000 χ^2 /NDF: 3428718.5/21

yield_cav4cY_mean vs Slug, Sign Corrected



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

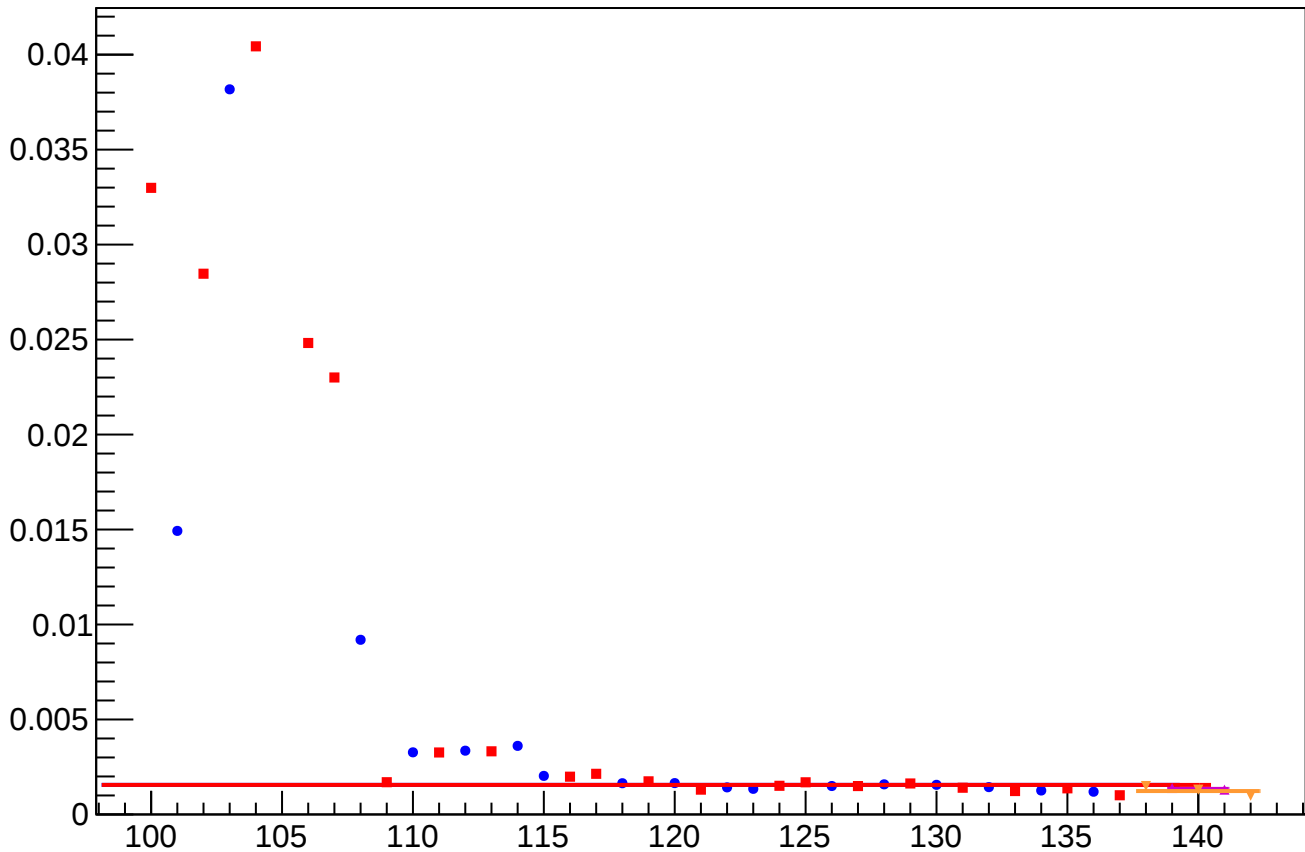
Left In: -0.124+/-0.000 χ^2/NDF : 605.0/1

-0.122+/-0.000 χ^2/NDF : 3940103582.0/19

-0.120+/-0.000 χ^2/NDF : 6456577932.5/4

-0.118+/-0.000 χ^2/NDF : 2497786997.4/21

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:96679.2/2

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3545212.9/19

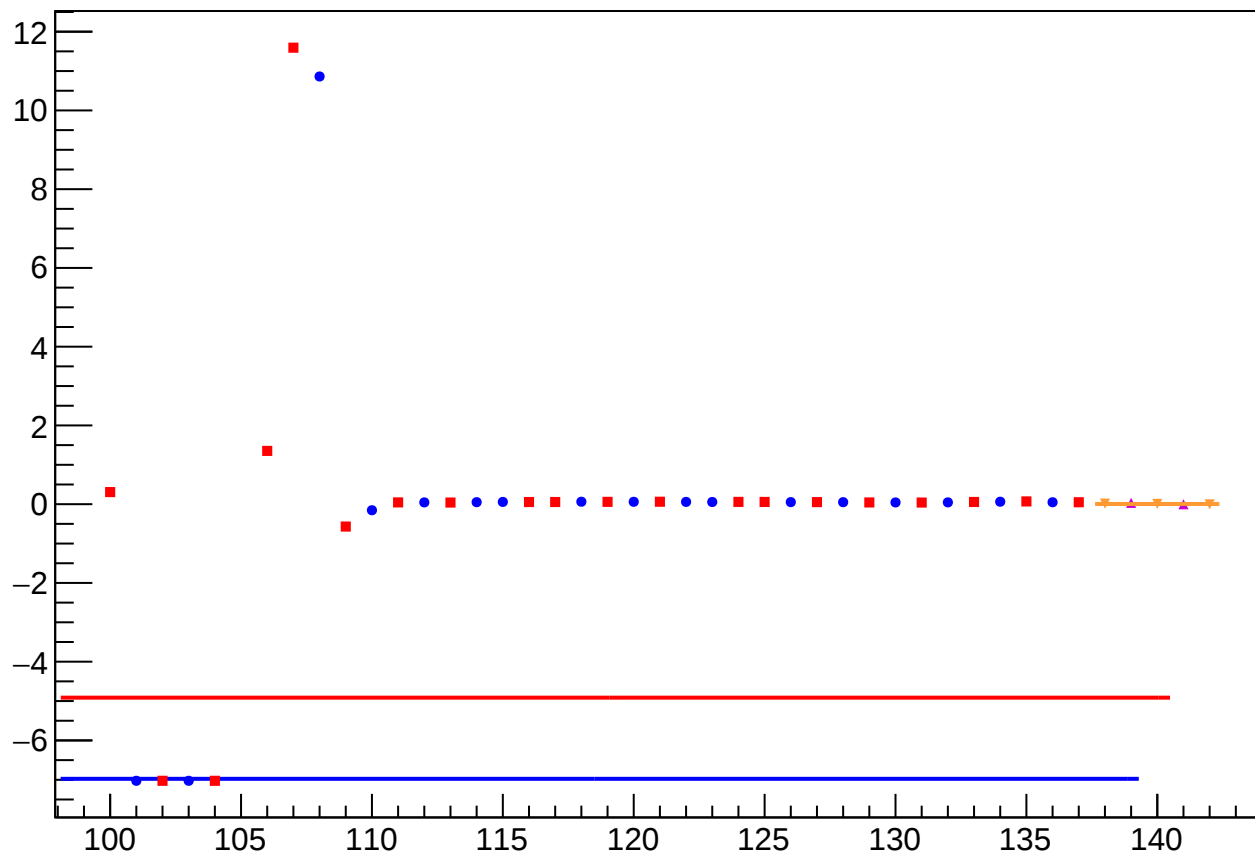
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:2732.0/1

0.001 $\pm$ 0.000 χ^2 /NDF: 3144235.6/19

0.001 $\pm$ 0.000 χ^2 /NDF: 6748781.7/41

0.001 $\pm$ 0.000 χ^2 /NDF: 3594842.5/21

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 $\pm$ 0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF : 895609.7/2

Right Out: -4.914 $\pm$ 0.000 χ^2/NDF : 365362121338855.3/19

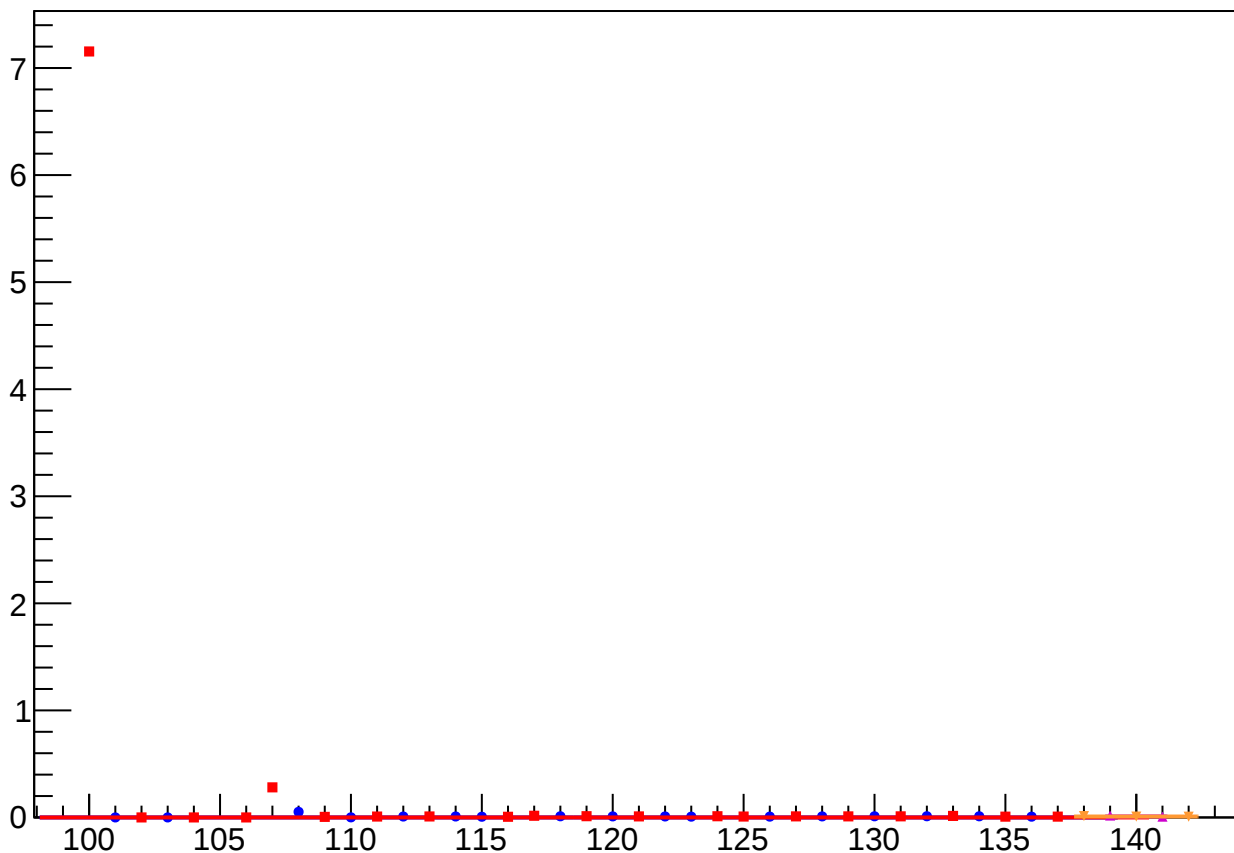
Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 2441517.3/1

-6.970 $\pm$ 0.000 χ^2/NDF : 9609642812770.0/19

-5.896 $\pm$ 0.000 χ^2/NDF : 4313579347604

-4.912 $\pm$ 0.000 χ^2/NDF : 365659752975552.2/2

yield_cav4dX_rms vs Slug, Sign Corrected



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

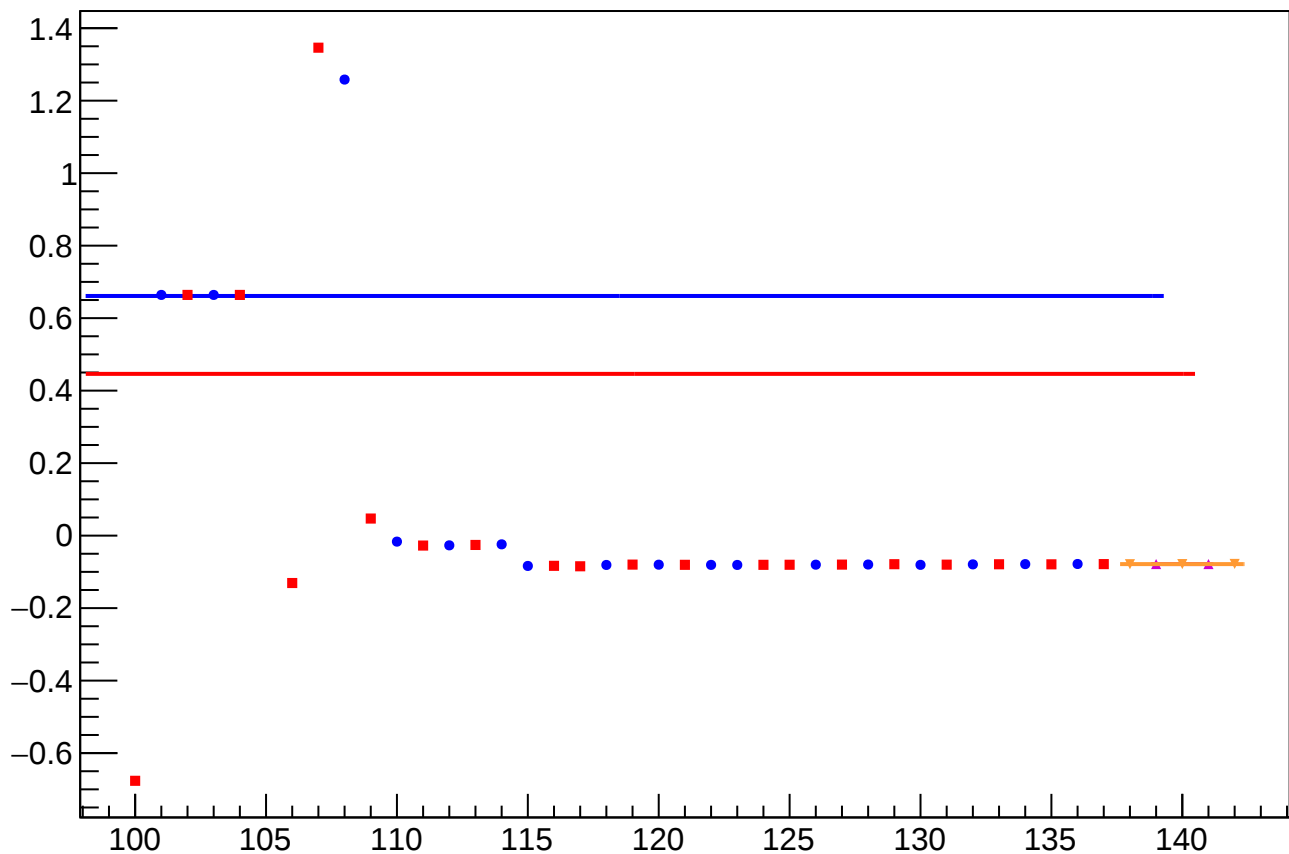
Left In: 0.009+/-0.000 χ^2 /NDF:386661.8/1

0.000+/-0.000 χ^2 /NDF: 10981886.3/19

0.000+/-0.000 χ^2 /NDF: 22353591.1/41

0.000+/-0.000 χ^2 /NDF: 11371035.6/21

yield_cav4dY_mean vs Slug, Sign Corrected



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

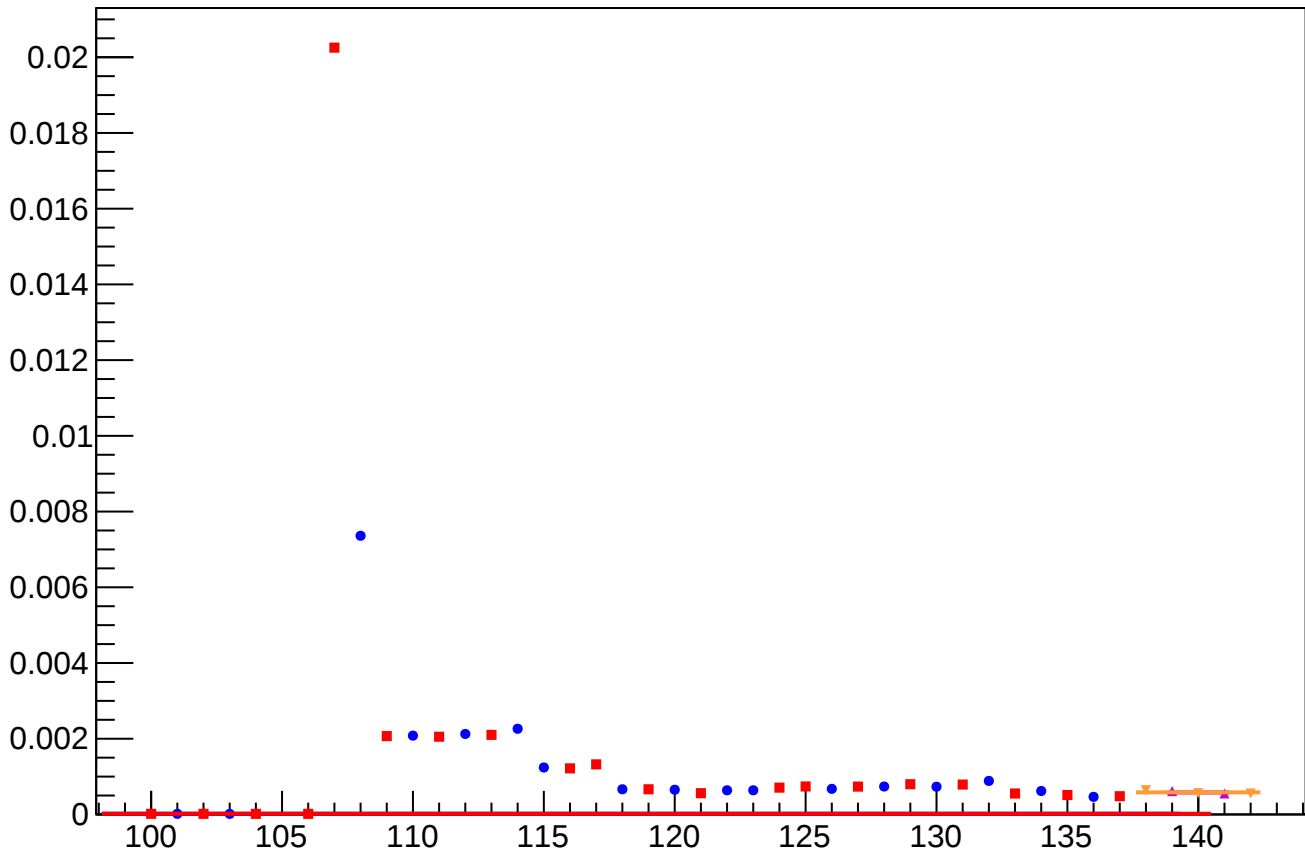
Left In: -0.078+/-0.000 χ^2/NDF : 3766.3/1

0.660+/-0.000 χ^2/NDF : 8550492794990.3/19

0.548+/-0.000 χ^2/NDF : 47782237667317

0.445+/-0.000 χ^2/NDF : 406646622332457.4/21

yield_cav4dY_rms vs Slug, Sign Corrected



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

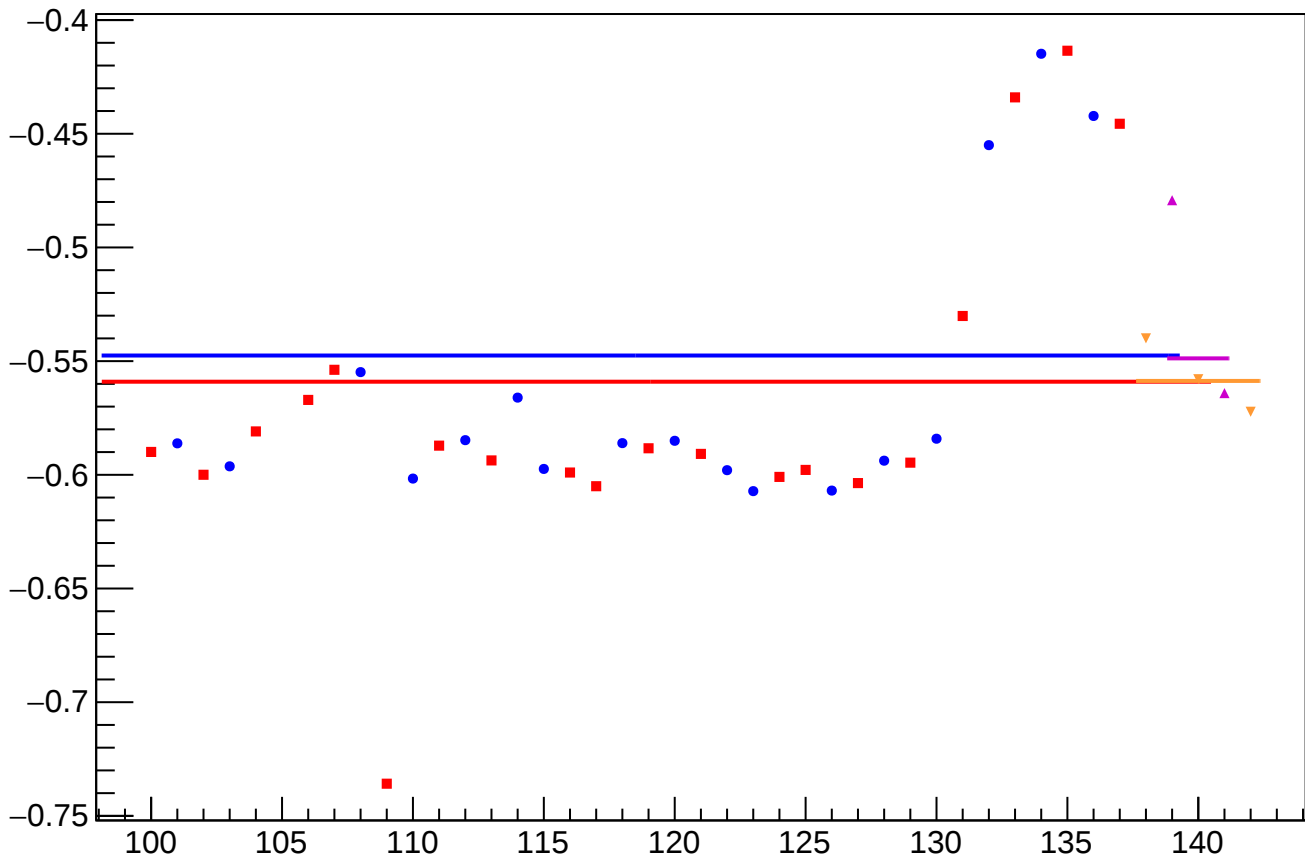
Left In: 0.001+/-0.000 χ^2/NDF :8287.9/1

0.000+/-0.000 χ^2/NDF : 13332325.4/19

0.000+/-0.000 χ^2/NDF : 25706027.6/41

0.000+/-0.000 χ^2/NDF : 12373395.9/21

yield_bpm4aX_mean vs Slug, Sign Corrected



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

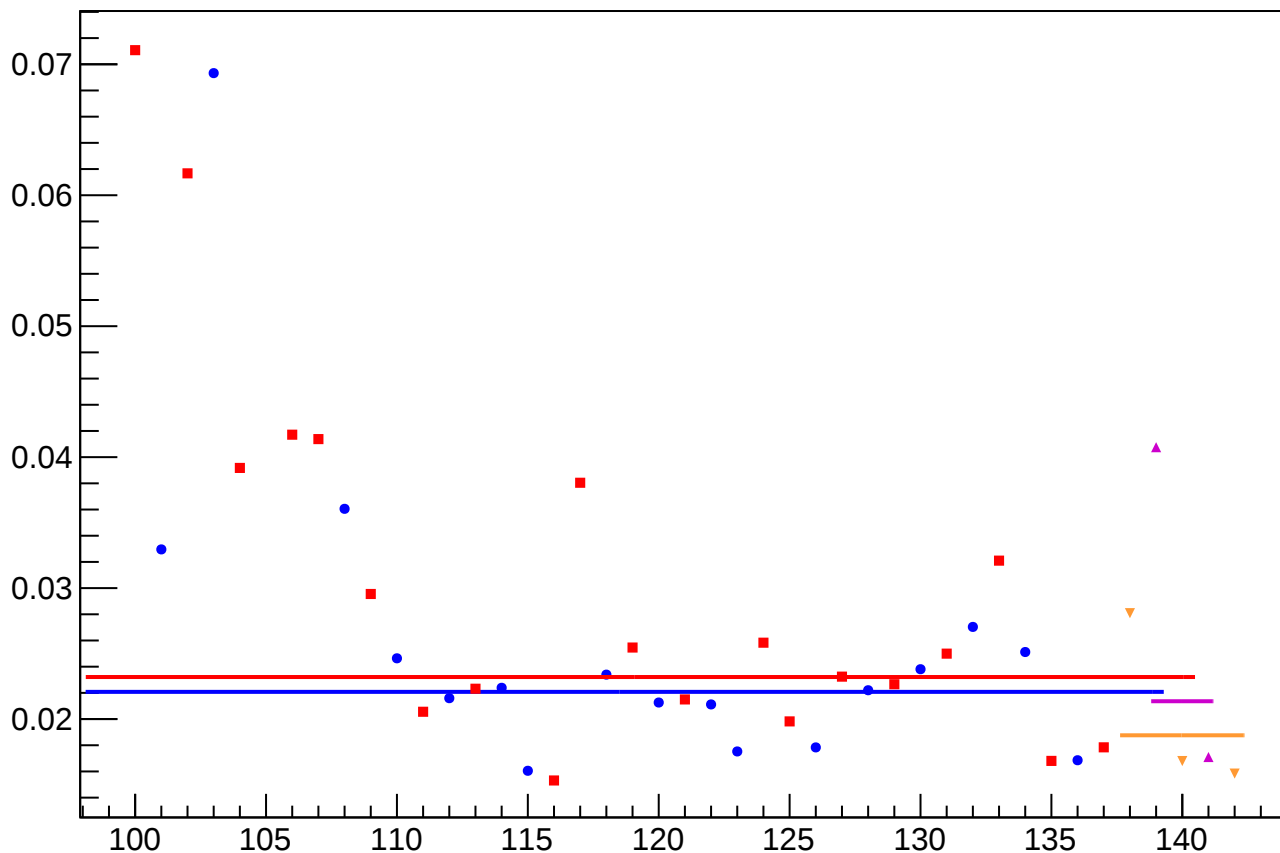
Left In: -0.549+/-0.000 χ^2/NDF : 2561130.8/1

-0.550+/-0.000 χ^2/NDF : 49361205.0/19

-0.554+/-0.000 χ^2/NDF : 117798401.8/41

-0.557+/-0.000 χ^2/NDF : 68155107.5/21

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 163983.5/2

Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

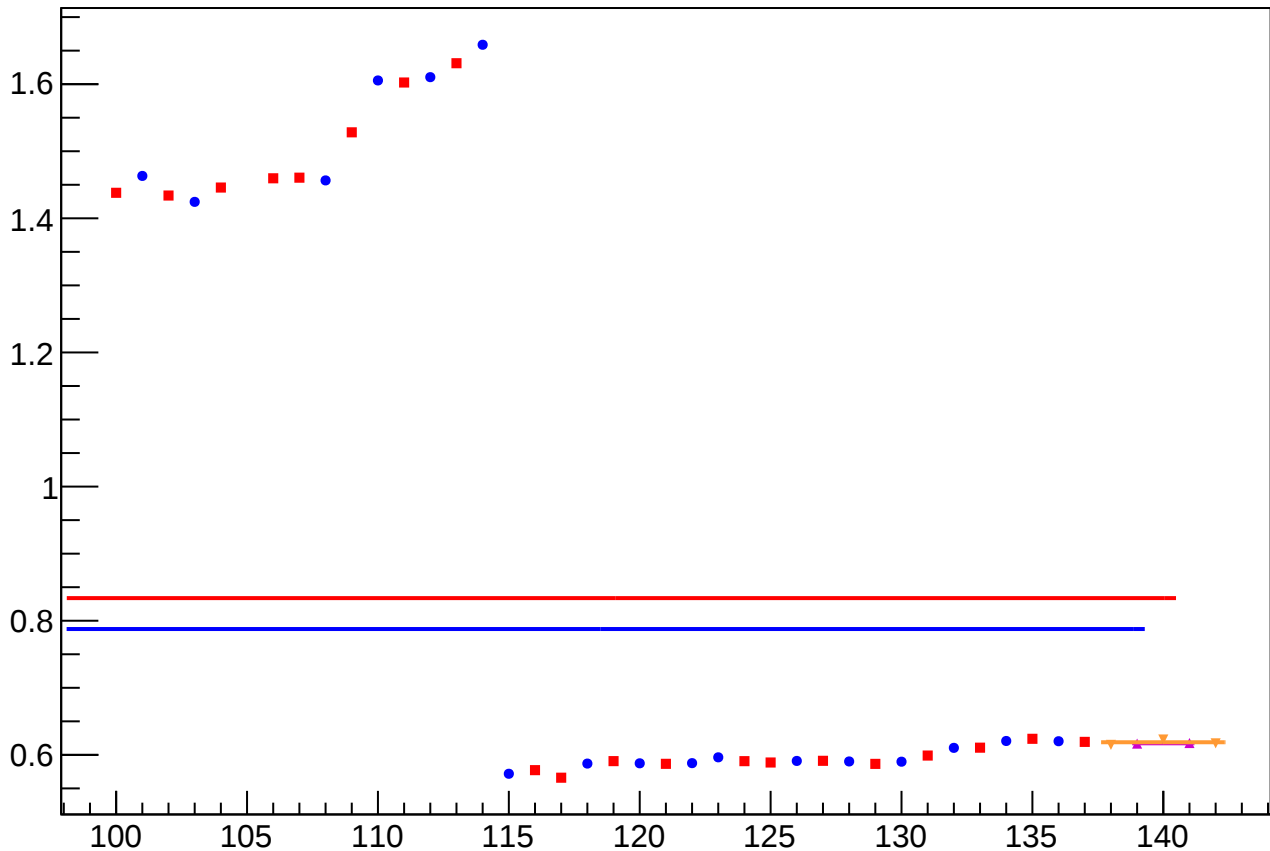
Left In: 0.021+/-0.000 χ^2/NDF : 398398.9/1

0.021+/-0.000 χ^2/NDF : 1179264.2/19

0.022+/-0.000 χ^2/NDF : 2795948.0/41

0.023+/-0.000 χ^2/NDF : 1580688.6/21

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.619 $\pm$ 0.000 χ^2 /NDF:178294.0/2

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4155673215.9/19

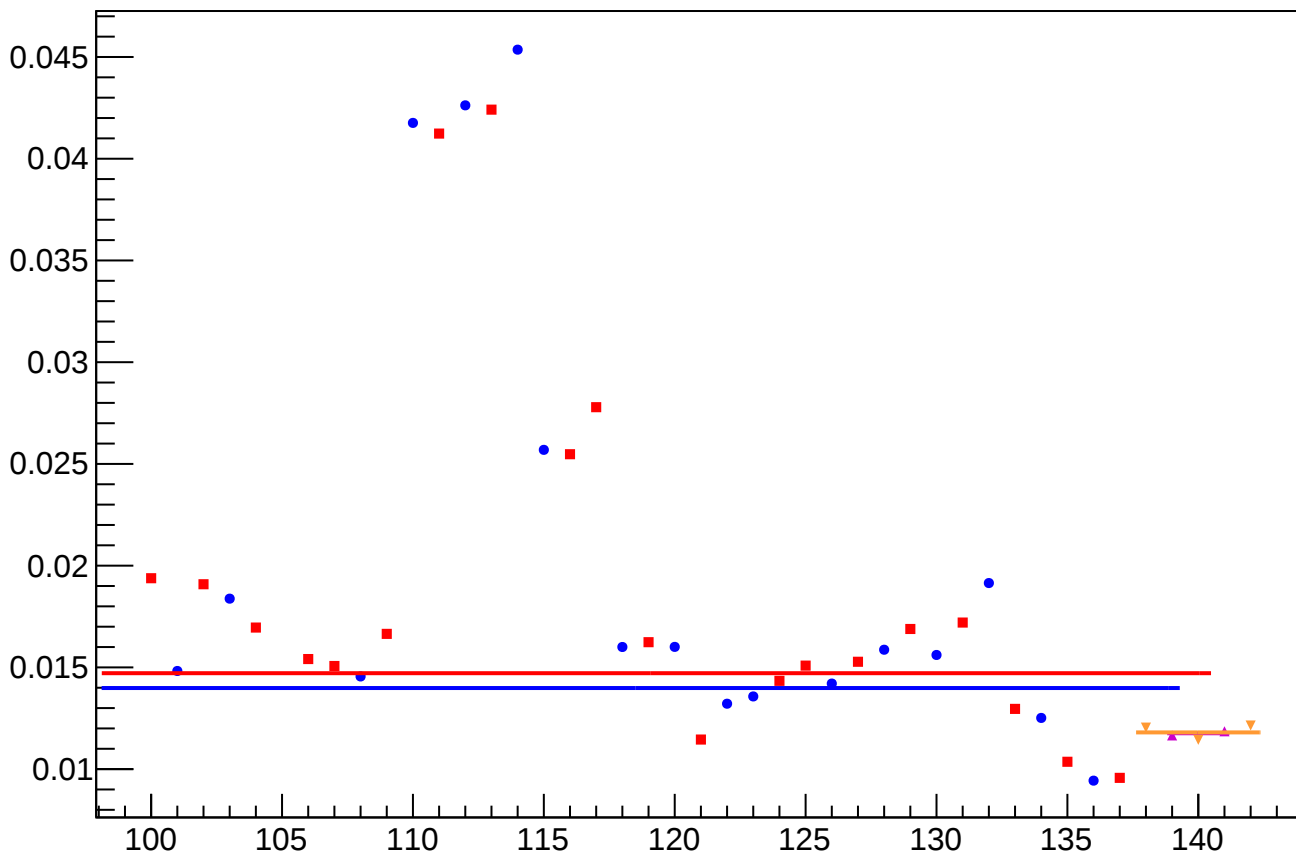
Left In: 0.617 $\pm$ 0.000 χ^2 /NDF:2125.8/1

0.734 $\pm$ 0.000 χ^2 /NDF: 3842587374.2/19

0.752 $\pm$ 0.000 χ^2 /NDF: 8397916946.1/41

0.773 $\pm$ 0.000 χ^2 /NDF: 4525028438.1/21

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF : 2709.3/2

Right Out: 0.015+/-0.000 χ^2/NDF : 1275472.3/19

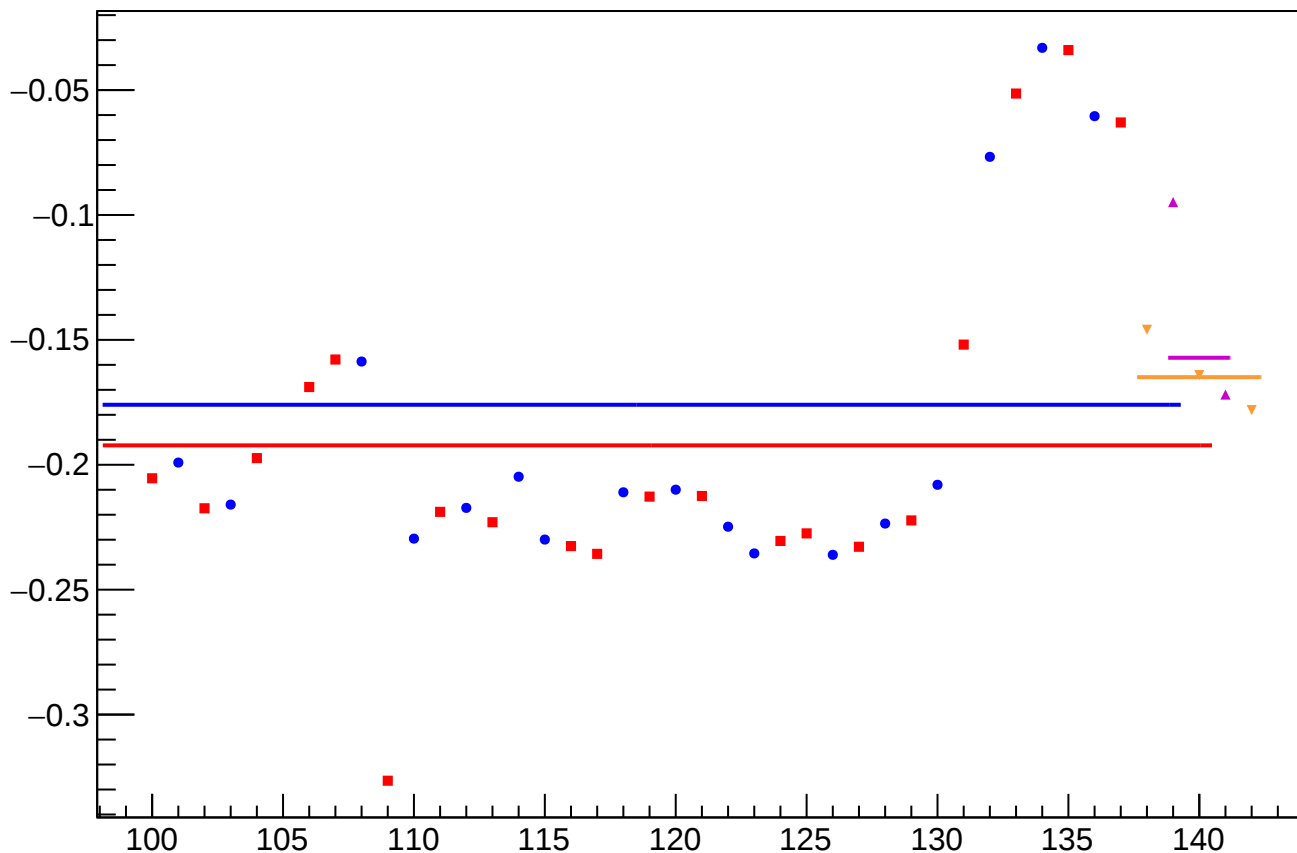
Left In: 0.012+/-0.000 χ^2/NDF : 225.6/1

0.013+/-0.000 χ^2/NDF : 1488345.0/19

0.014+/-0.000 χ^2/NDF : 2915522.8/41

0.014+/-0.000 χ^2/NDF : 1413100.2/21

yield_bpm4eX_mean vs Slug, Sign Corrected



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

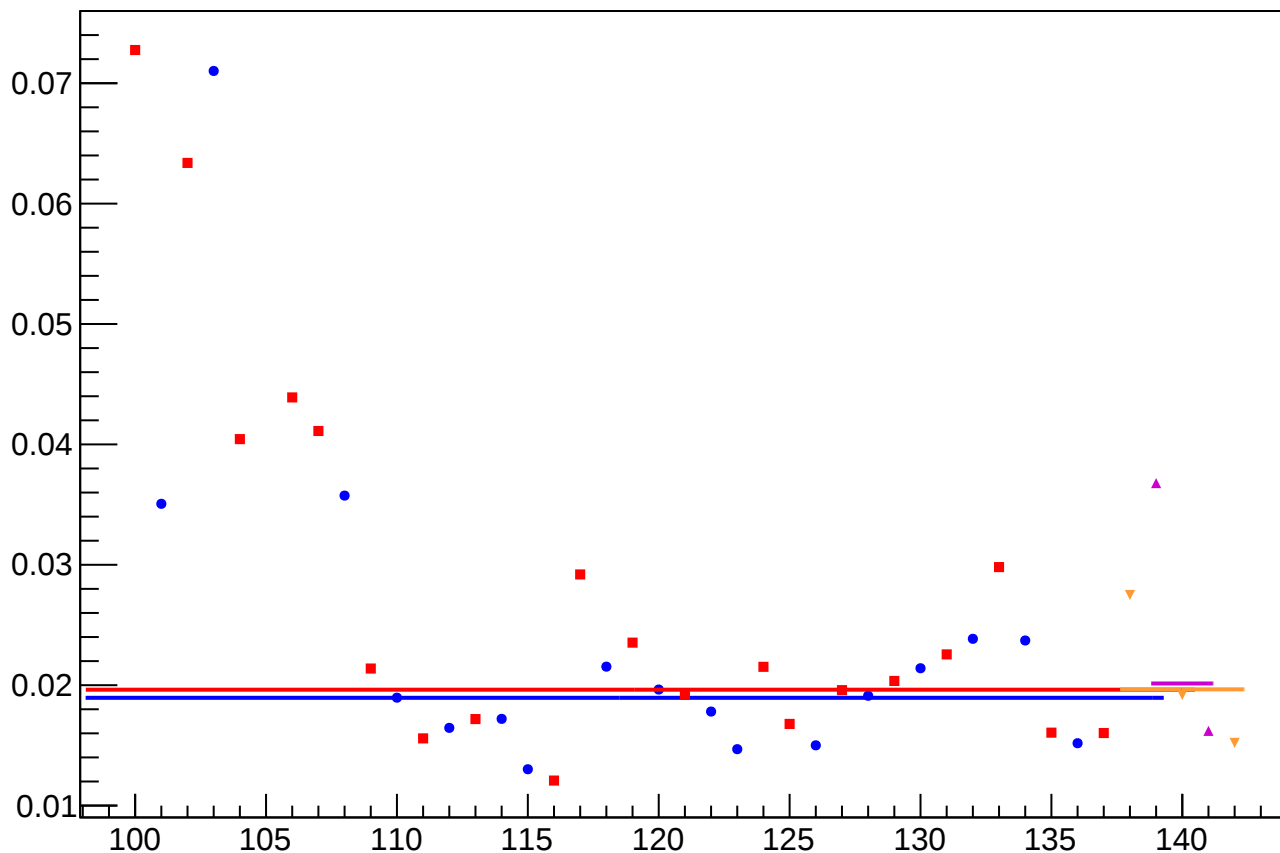
Left In: -0.157+/-0.000 χ^2/NDF : 2554570.6/1

-0.174+/-0.000 χ^2/NDF : 70990216.1/19

-0.180+/-0.000 χ^2/NDF : 161065964.3/41

-0.186+/-0.000 χ^2/NDF : 88737189.0/21

yield_bpm4eX_rms vs Slug, Sign Corrected



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

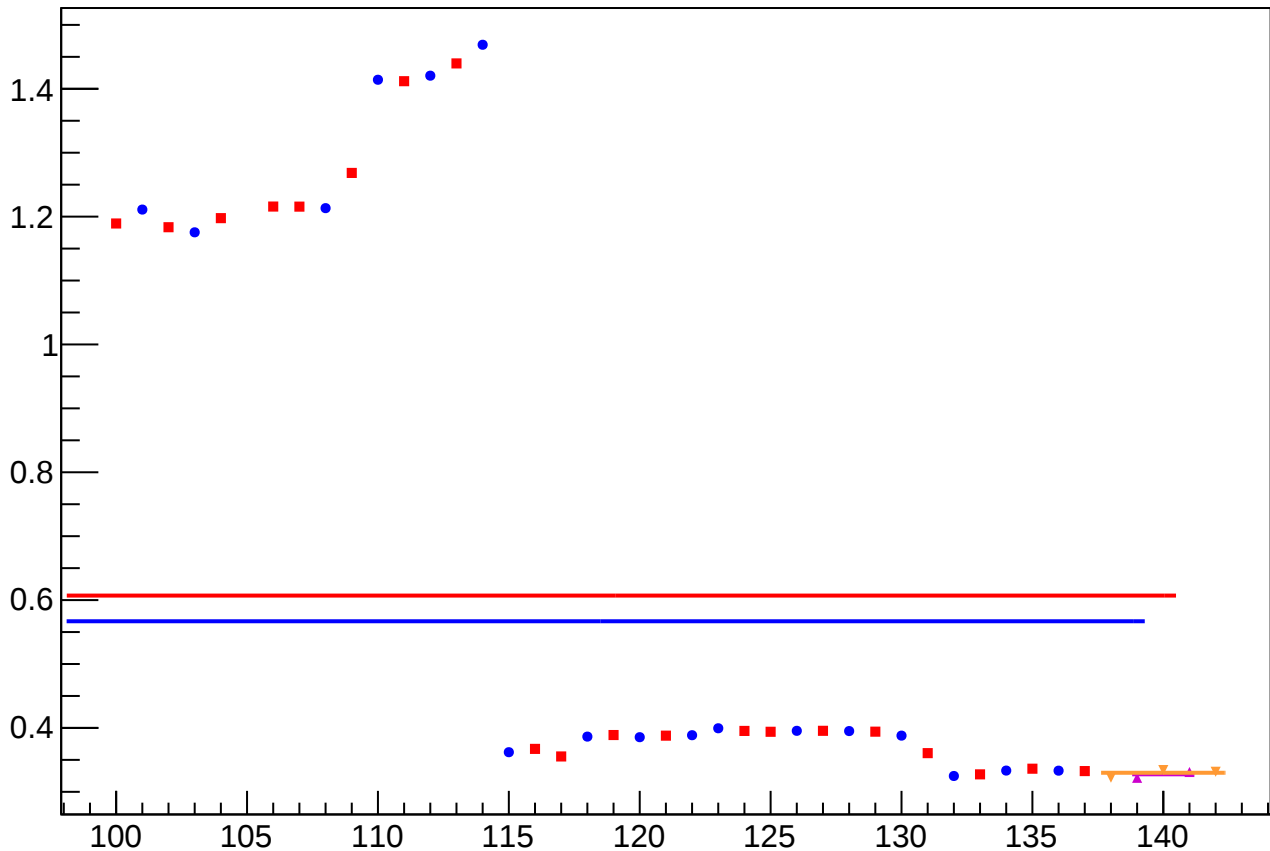
Left In: 0.020+/-0.000 χ^2/NDF :364421.8/1

0.019+/-0.000 χ^2/NDF : 1357264.2/19

0.019+/-0.000 χ^2/NDF : 3193254.9/41

0.020+/-0.000 χ^2/NDF : 1829631.7/21

yield_bpm4eY_mean vs Slug, Sign Corrected



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

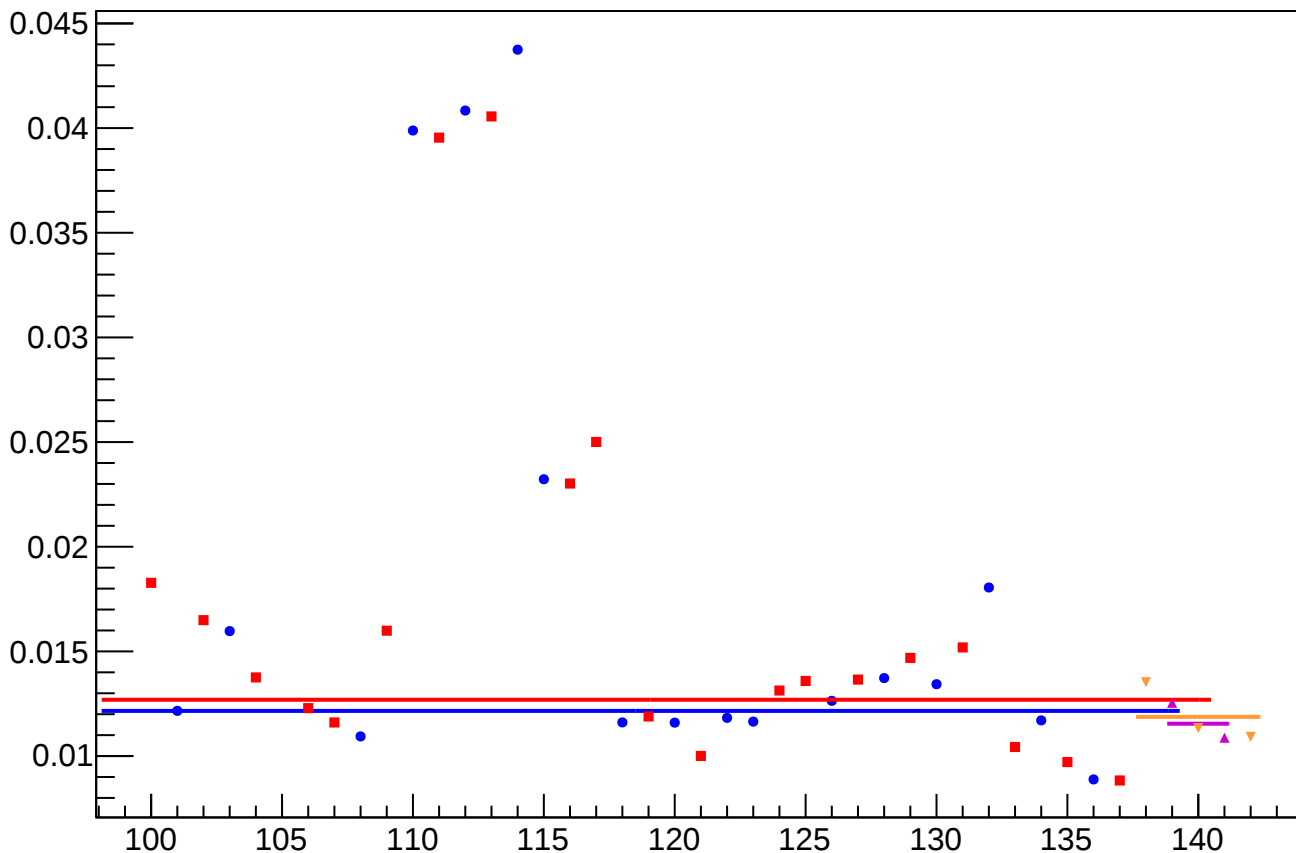
Left In: 0.327 $\pm$ 0.000 χ^2 /NDF:221871.2/1

0.506 $\pm$ 0.000 χ^2 /NDF: 5563577490.0/19

0.523 $\pm$ 0.000 χ^2 /NDF: 11776393484.6/4

0.542 $\pm$ 0.000 χ^2 /NDF: 6181642801.8/21

yield_bpm4eY_rms vs Slug, Sign Corrected



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

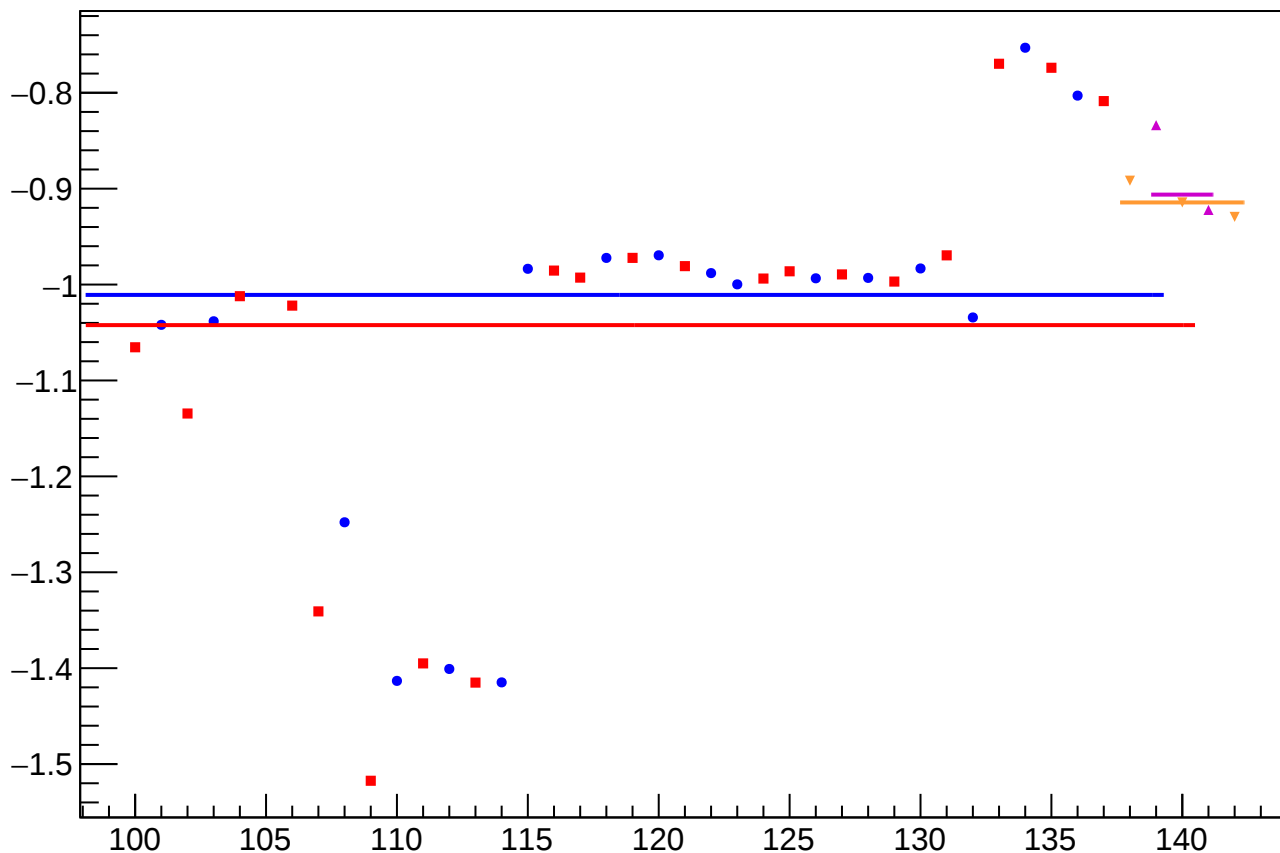
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:14955.5/1

0.012 $\pm$ 0.000 χ^2 /NDF: 1340219.6/19

0.012 $\pm$ 0.000 χ^2 /NDF: 2669240.2/41

0.012 $\pm$ 0.000 χ^2 /NDF: 1323386.5/21

yield_bpm4acX_mean vs Slug, Sign Corrected



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

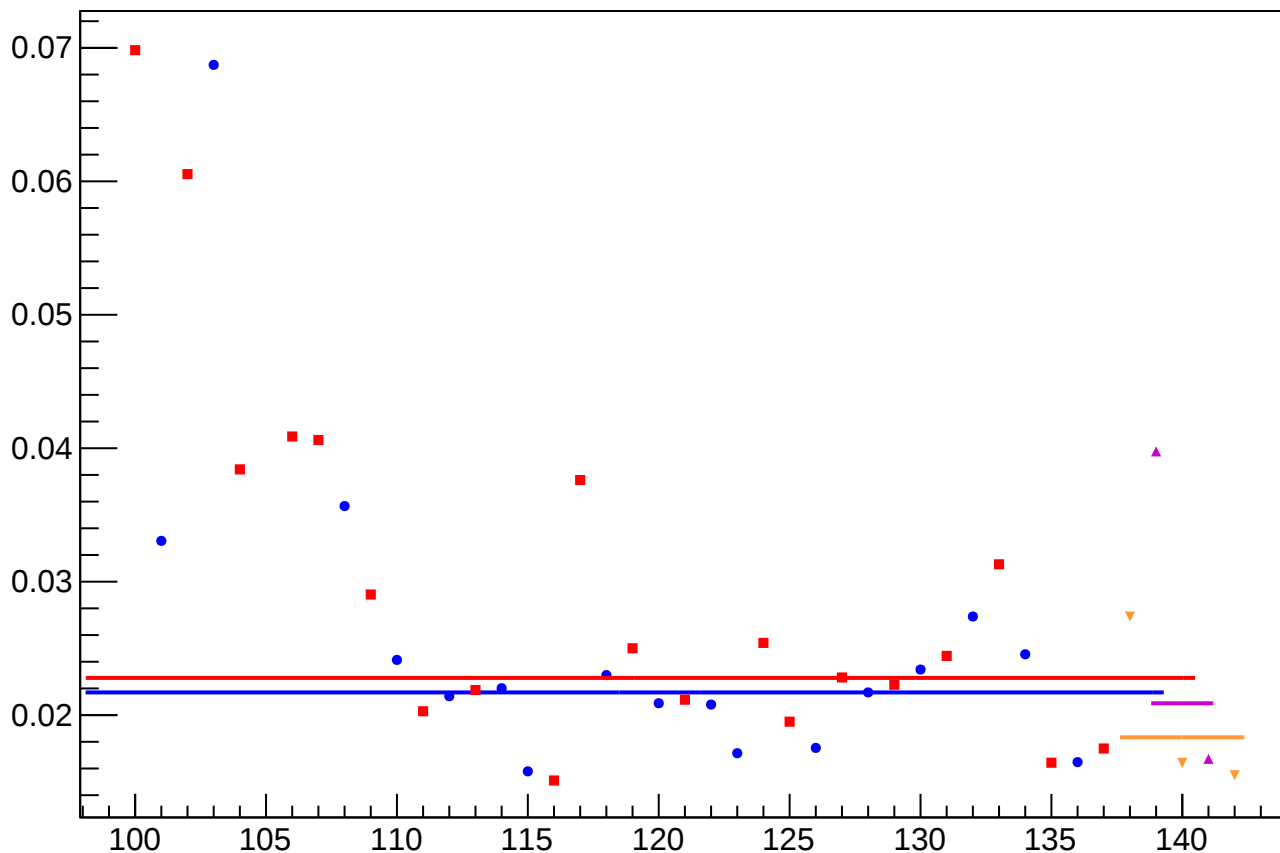
Left In: -0.906+/-0.000 χ^2/NDF : 2918893.1/1

-0.985+/-0.000 χ^2/NDF : 414516435.5/19

-0.999+/-0.000 χ^2/NDF : 990387713.5/41

-1.015+/-0.000 χ^2/NDF : 569484541.2/21

yield_bpm4acX_rms vs Slug, Sign Corrected



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

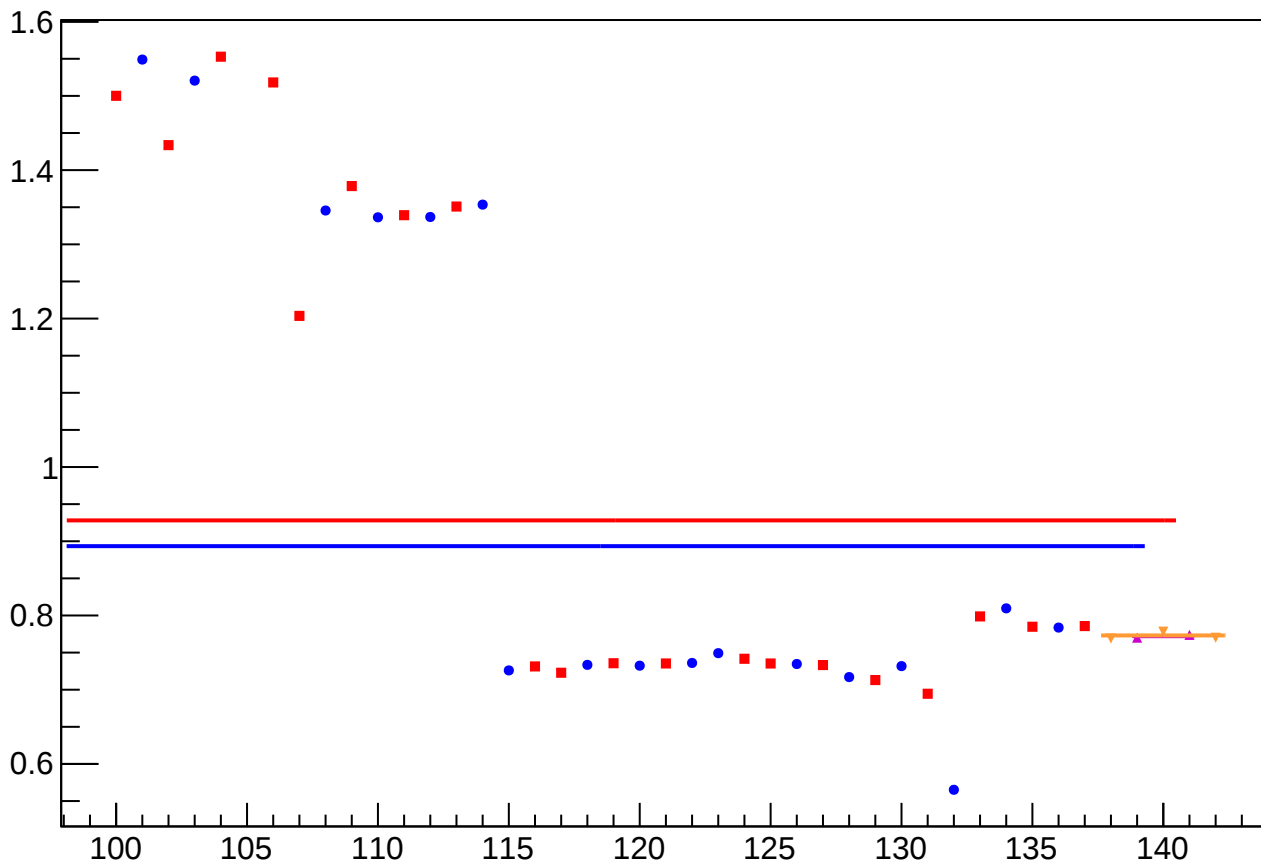
Left In: 0.021 ± 0.000 χ^2/NDF : 396659.0/1

0.021 ± 0.000 χ^2/NDF : 1206917.0/19

0.022 ± 0.000 χ^2/NDF : 2818824.2/41

0.022 ± 0.000 χ^2/NDF : 1576197.8/21

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.773+/-0.000 χ^2/NDF : 257951.8/2

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

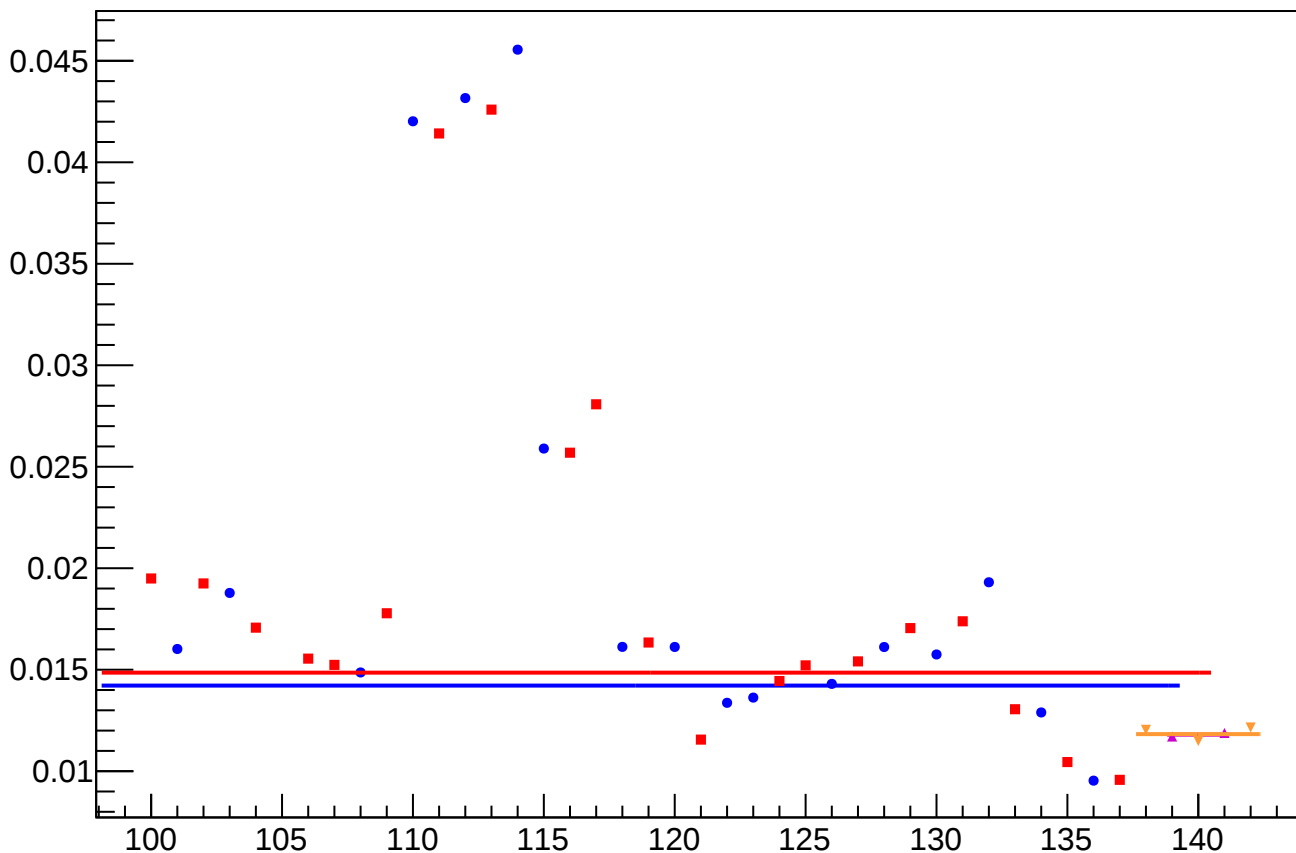
Left In: 0.772+/-0.000 χ^2/NDF : 38175.9/1

0.854+/-0.000 χ^2/NDF : 2538810807.0/19

0.868+/-0.000 χ^2/NDF : 5183262443.4/41

0.883+/-0.000 χ^2/NDF : 2627452523.0/21

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012+/-0.000 χ^2/NDF :2370.5/2

Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

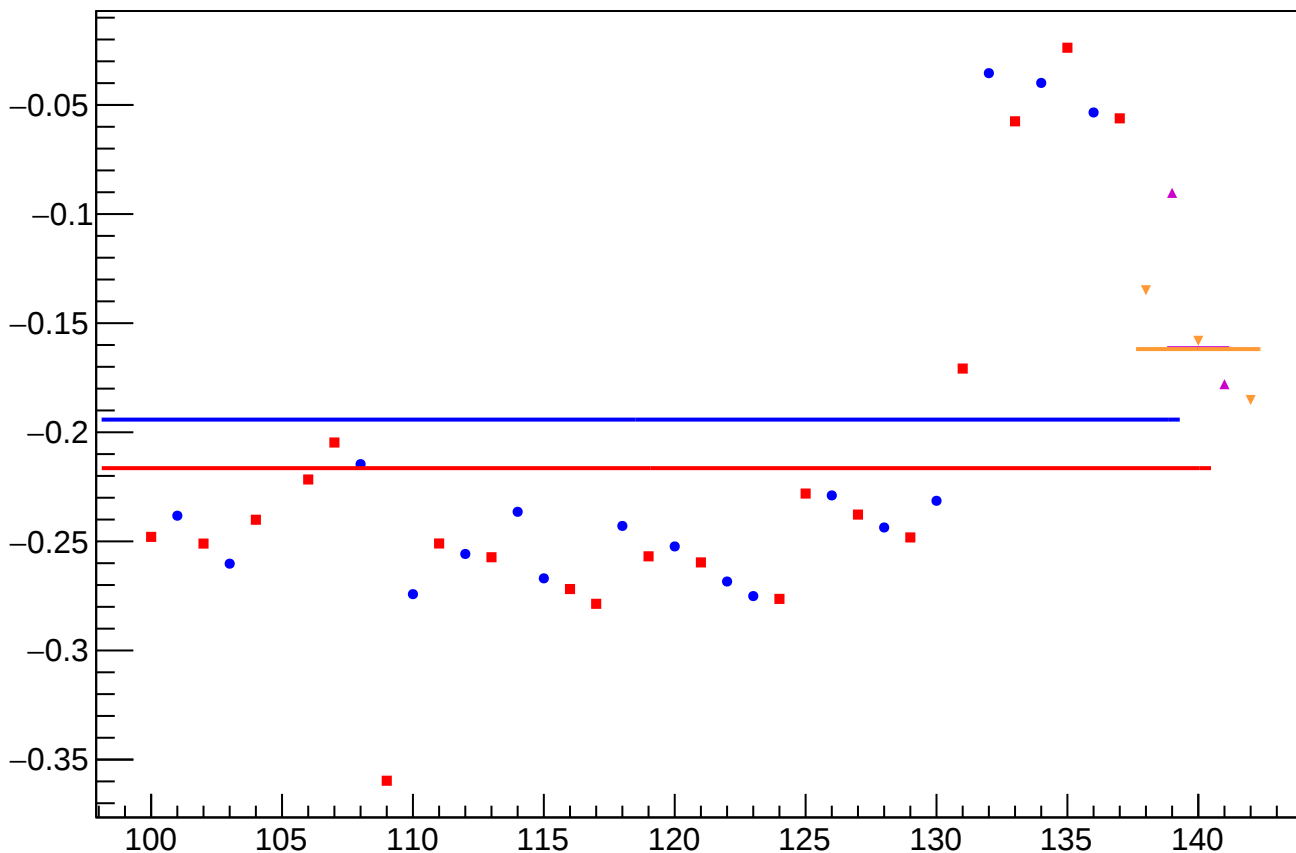
Left In: 0.012+/-0.000 χ^2/NDF :166.2/1

0.013+/-0.000 χ^2/NDF : 1515118.4/19

0.014+/-0.000 χ^2/NDF : 2959085.3/41

0.014+/-0.000 χ^2/NDF : 1432266.8/21

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.162+/-0.000 χ^2/NDF : 1350229.7/2

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

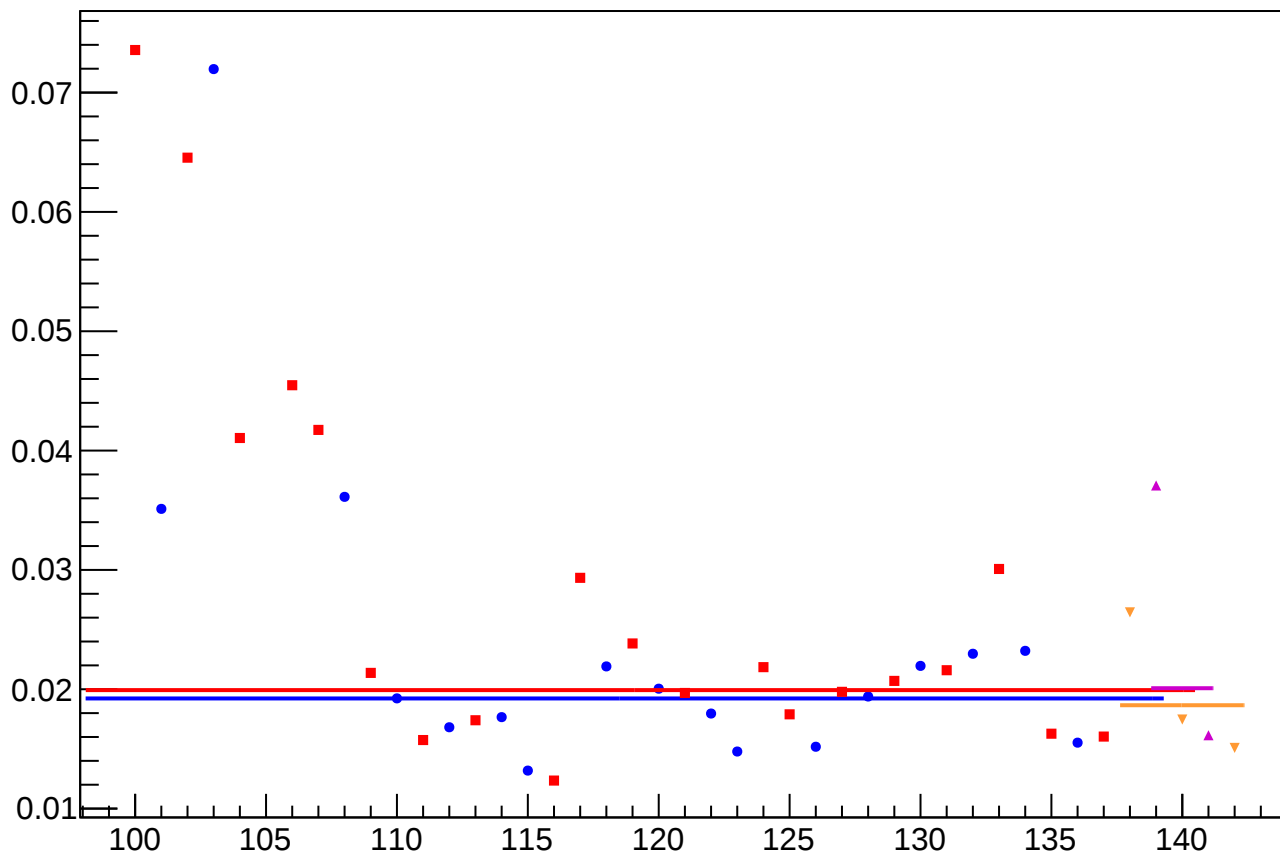
Left In: -0.161+/-0.000 χ^2/NDF : 3262660.6/1

-0.187+/-0.000 χ^2/NDF : 112941867.0/19

-0.196+/-0.000 χ^2/NDF : 237651229.4/41

-0.207+/-0.000 χ^2/NDF : 121410873.0/21

yield_bpm4ecX_rms vs Slug, Sign Corrected



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

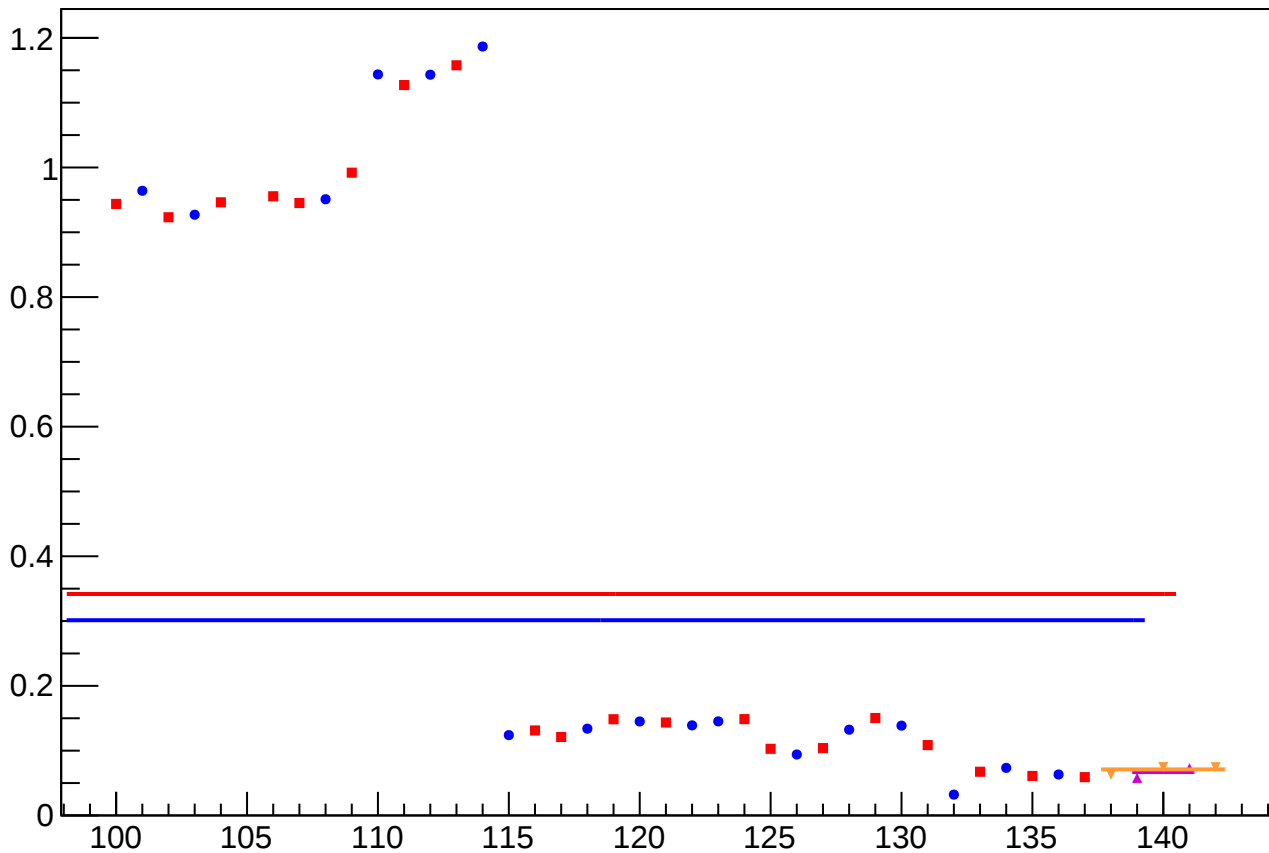
Left In: 0.020+/-0.000 χ^2/NDF : 371887.0/1

0.019+/-0.000 χ^2/NDF : 1318919.3/19

0.020+/-0.000 χ^2/NDF : 3155780.3/41

0.020+/-0.000 χ^2/NDF : 1824732.7/21

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.071+/-0.000 χ^2/NDF : 397827.7/2

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

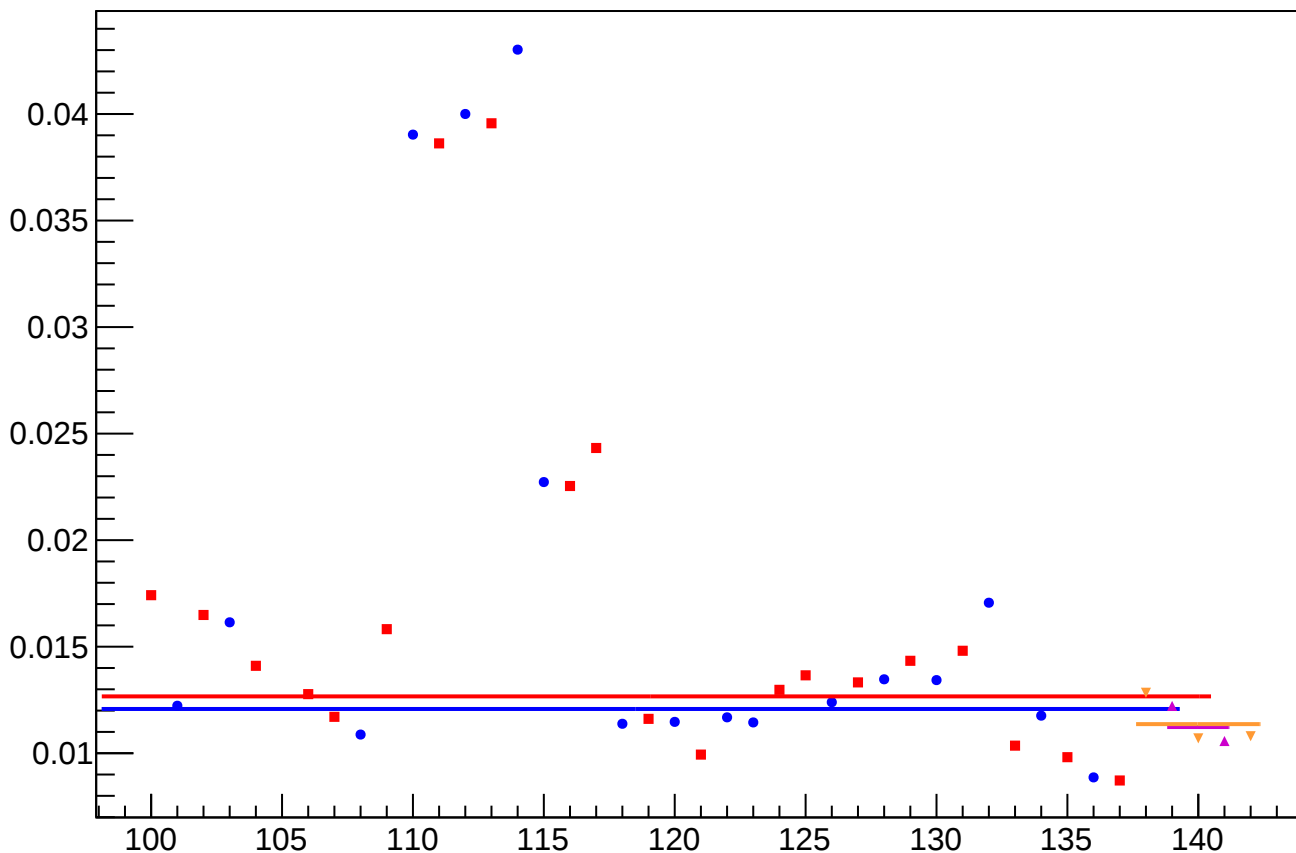
Left In: 0.067+/-0.000 χ^2/NDF : 633267.1/1

0.239+/-0.000 χ^2/NDF : 5705898960.9/19

0.256+/-0.000 χ^2/NDF : 11862333558.5/4

0.275+/-0.000 χ^2/NDF : 6123993847.9/21

yield_bpm4ecY_rms vs Slug, Sign Corrected



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

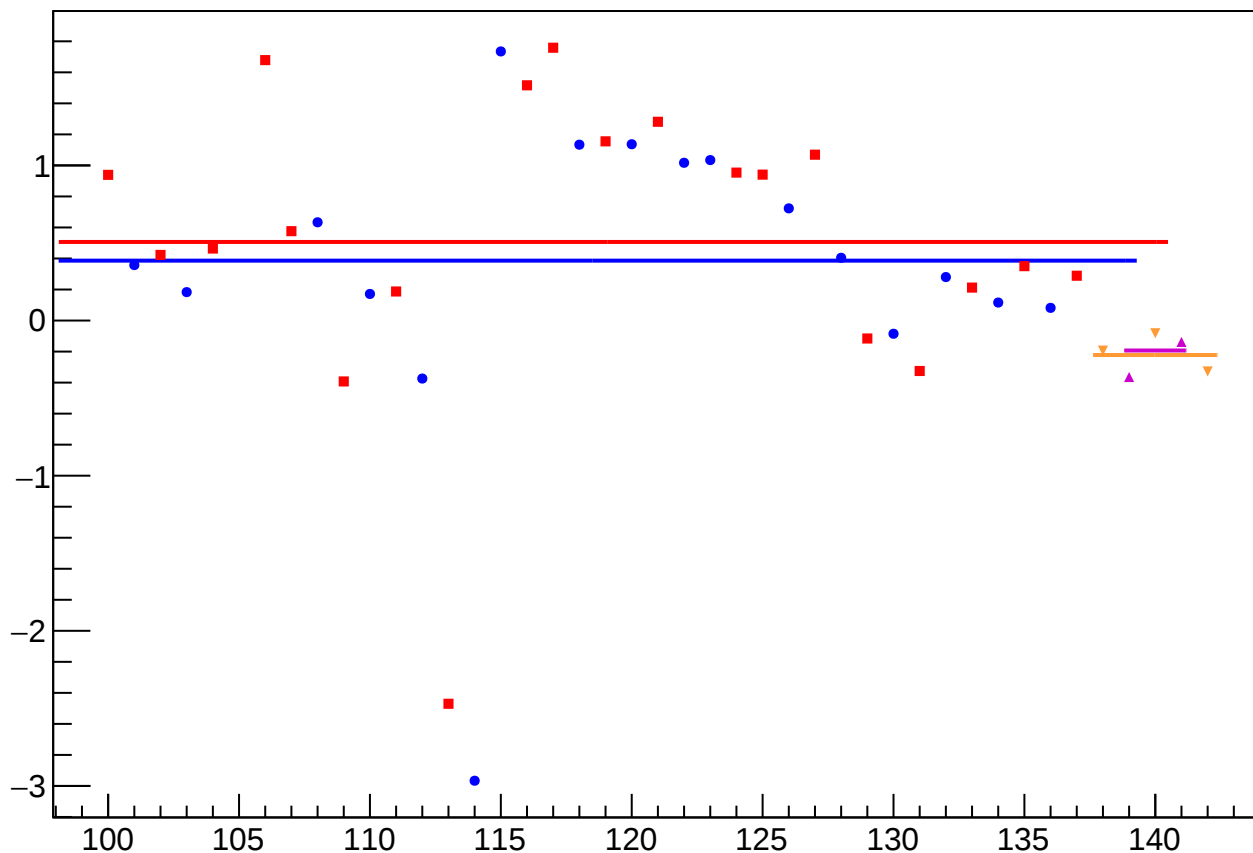
Left In: 0.011+/-0.000 χ^2/NDF : 15389.1/1

0.012+/-0.000 χ^2/NDF : 1317423.2/19

0.012+/-0.000 χ^2/NDF : 2633166.5/41

0.012+/-0.000 χ^2/NDF : 1306271.7/21

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 ± 0.000 χ^2/NDF : 246380221.7/16

Left Out: -0.222 ± 0.000 χ^2/NDF : 2977384.2/2

Right Out: 0.507 ± 0.000 χ^2/NDF : 995373603.6/19

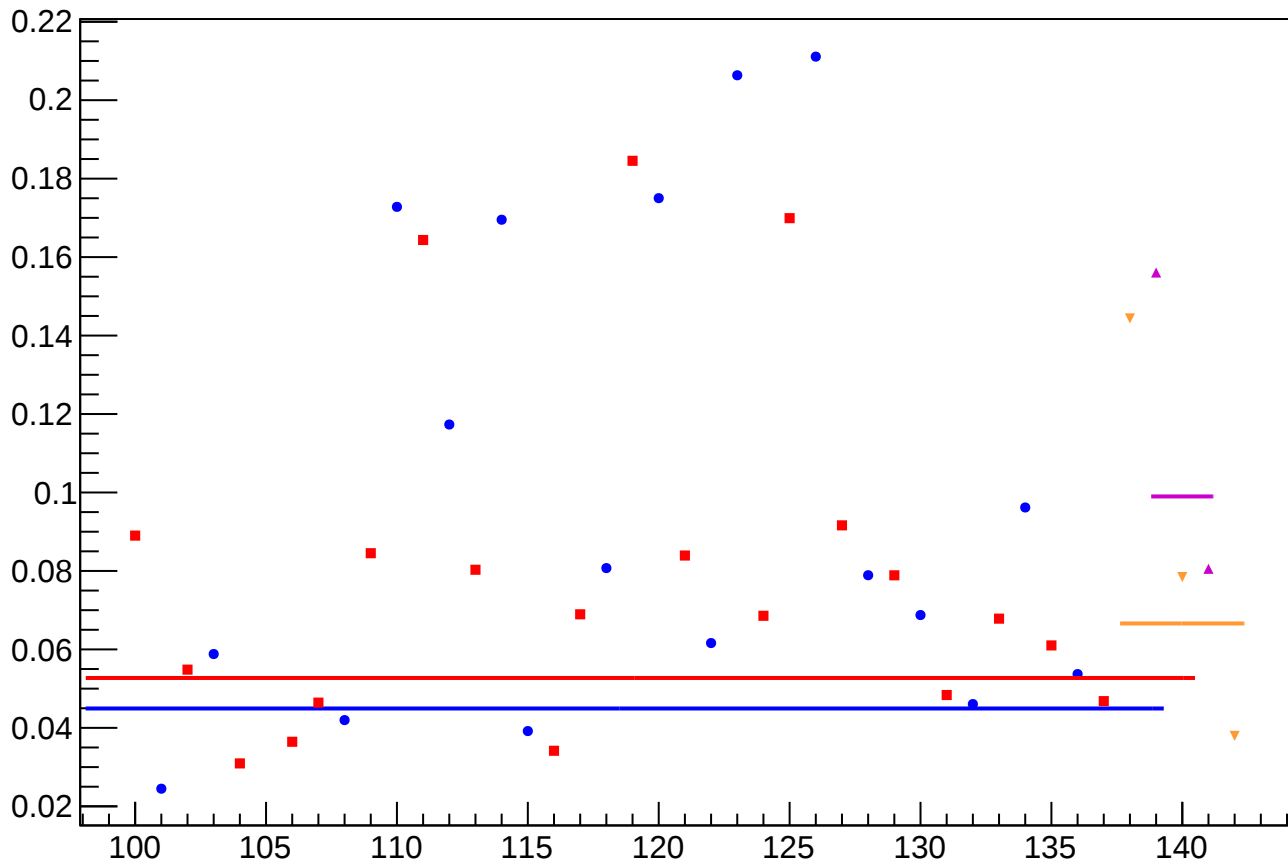
Left In: -0.193 ± 0.000 χ^2/NDF : 1002420.3/1

0.315 ± 0.000 χ^2/NDF : 325064604.4/19

0.380 ± 0.000 χ^2/NDF : 1388662980.1/41

0.460 ± 0.000 χ^2/NDF : 1044914749.0/21

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2788348.6/16

Left Out: 0.067 $\pm$ 0.000 χ^2 /NDF: 590026.1/2

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2195781.8/19

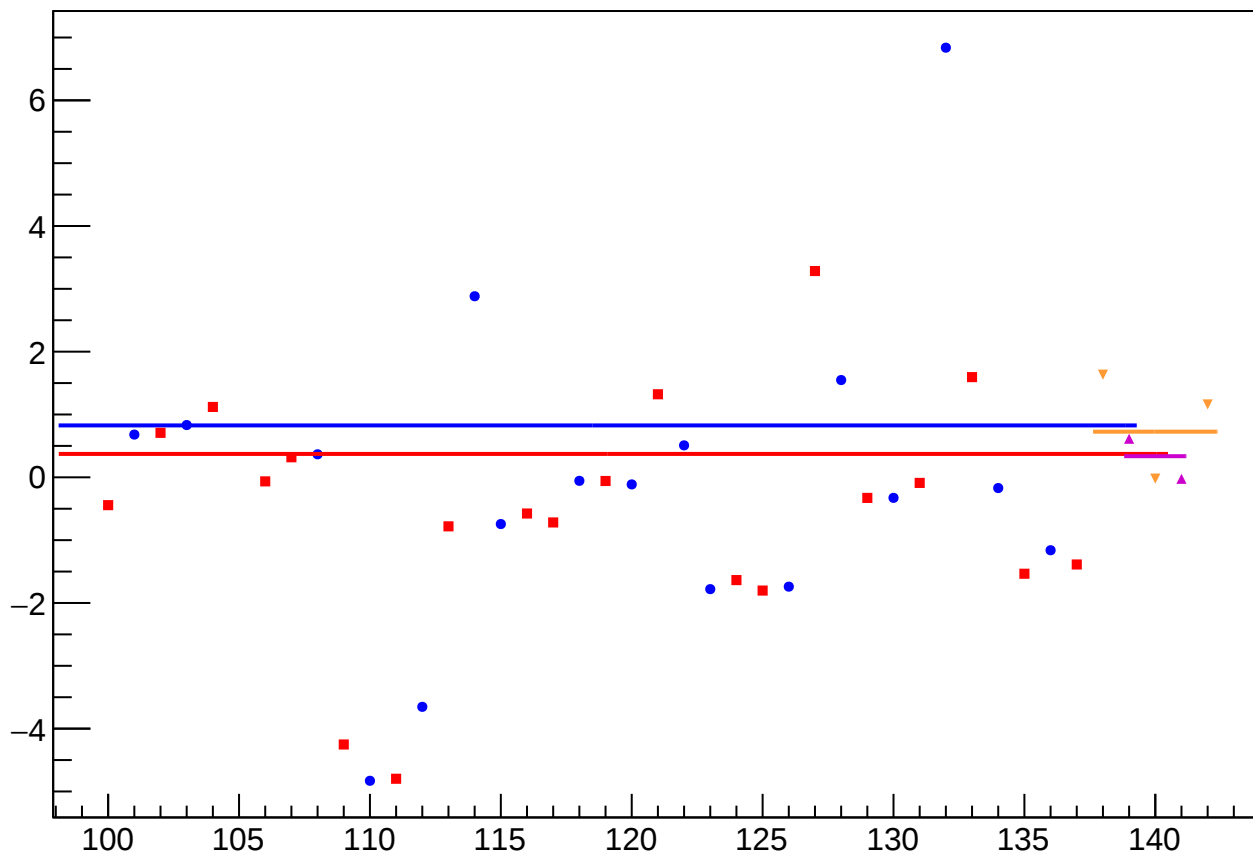
Left In: 0.099 $\pm$ 0.000 χ^2 /NDF: 223543.5/1

0.047 $\pm$ 0.000 χ^2 /NDF: 3570549.4/19

0.051 $\pm$ 0.000 χ^2 /NDF: 6536700.4/41

0.056 $\pm$ 0.000 χ^2 /NDF: 2843953.7/21

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 $\pm$ 0.000 χ^2 /NDF: 10945455664.9/16

Left Out: 0.726 $\pm$ 0.000 χ^2 /NDF:157334201.3/2

Right Out: 0.372 $\pm$ 0.000 χ^2 /NDF: 4960201861.0/19

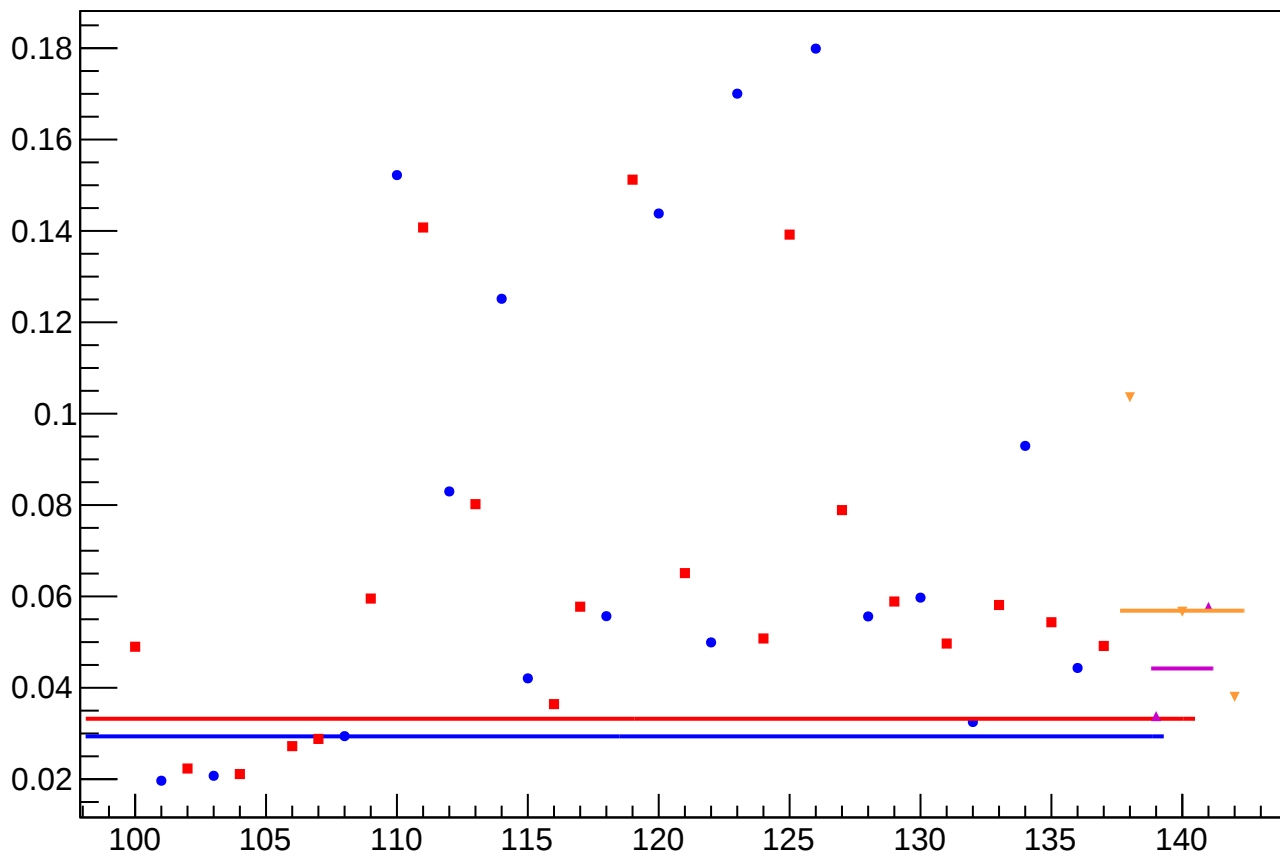
Left In: 0.336 $\pm$ 0.000 χ^2 /NDF:32556864.5/1

0.818 $\pm$ 0.000 χ^2 /NDF: 11105960130.9/19

0.606 $\pm$ 0.000 χ^2 /NDF: 16506154140.7/4

0.369 $\pm$ 0.000 χ^2 /NDF: 4993147090.0/21

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.057 $\pm$ 0.000 χ^2/NDF : 348743.0/2

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3112299.1/19

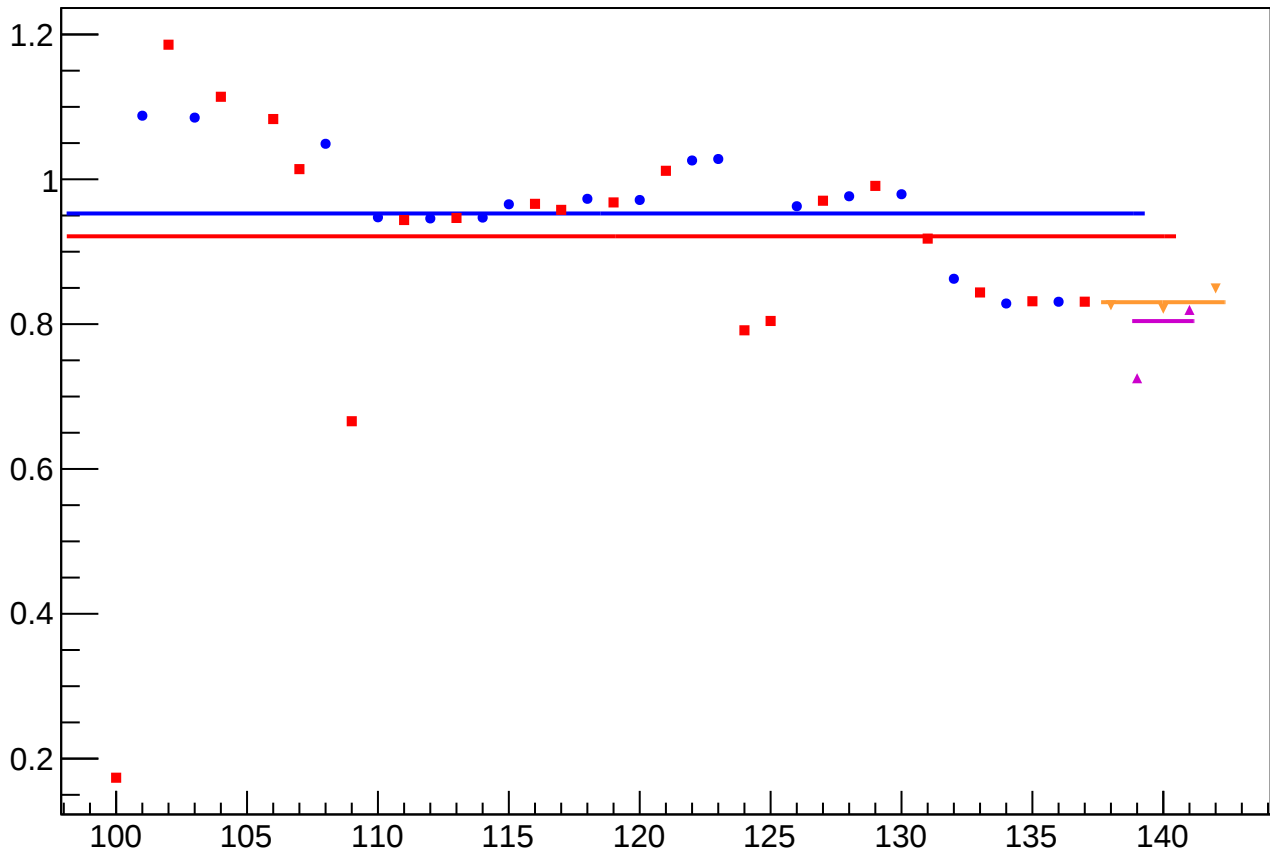
Left In: 0.044 $\pm$ 0.000 χ^2/NDF : 91430.8/1

0.032 $\pm$ 0.000 χ^2/NDF : 3818959.0/19

0.033 $\pm$ 0.000 χ^2/NDF : 7121274.5/41

0.034 $\pm$ 0.000 χ^2/NDF : 3275865.1/21

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.830+/-0.000 χ^2/NDF : 1419315.8/2

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

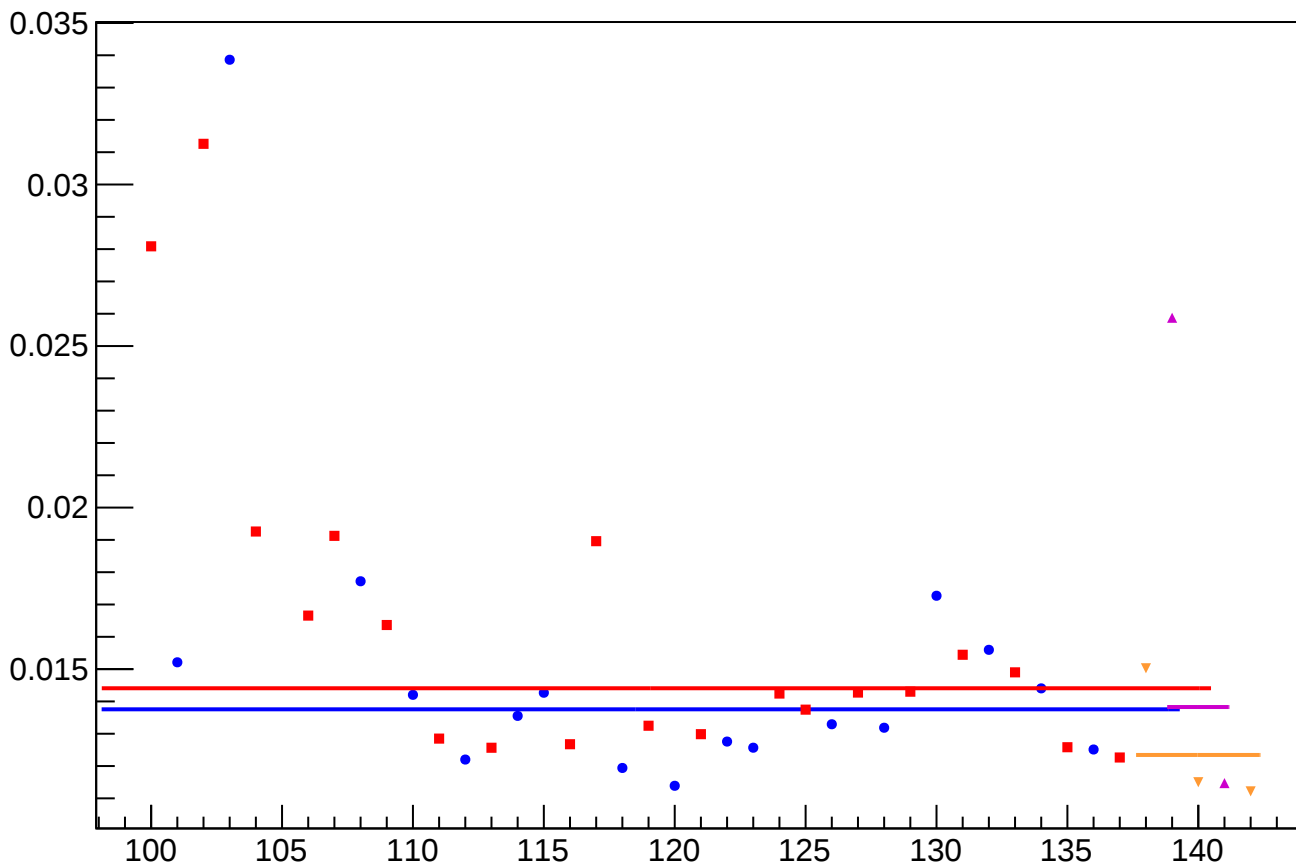
Left In: 0.804+/-0.000 χ^2/NDF : 7777894.8/1

0.923+/-0.000 χ^2/NDF : 289712809.9/19

0.912+/-0.000 χ^2/NDF : 753121573.8/41

0.900+/-0.000 χ^2/NDF : 454049009.9/21

yield_bpm11X_rms vs Slug, Sign Corrected



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

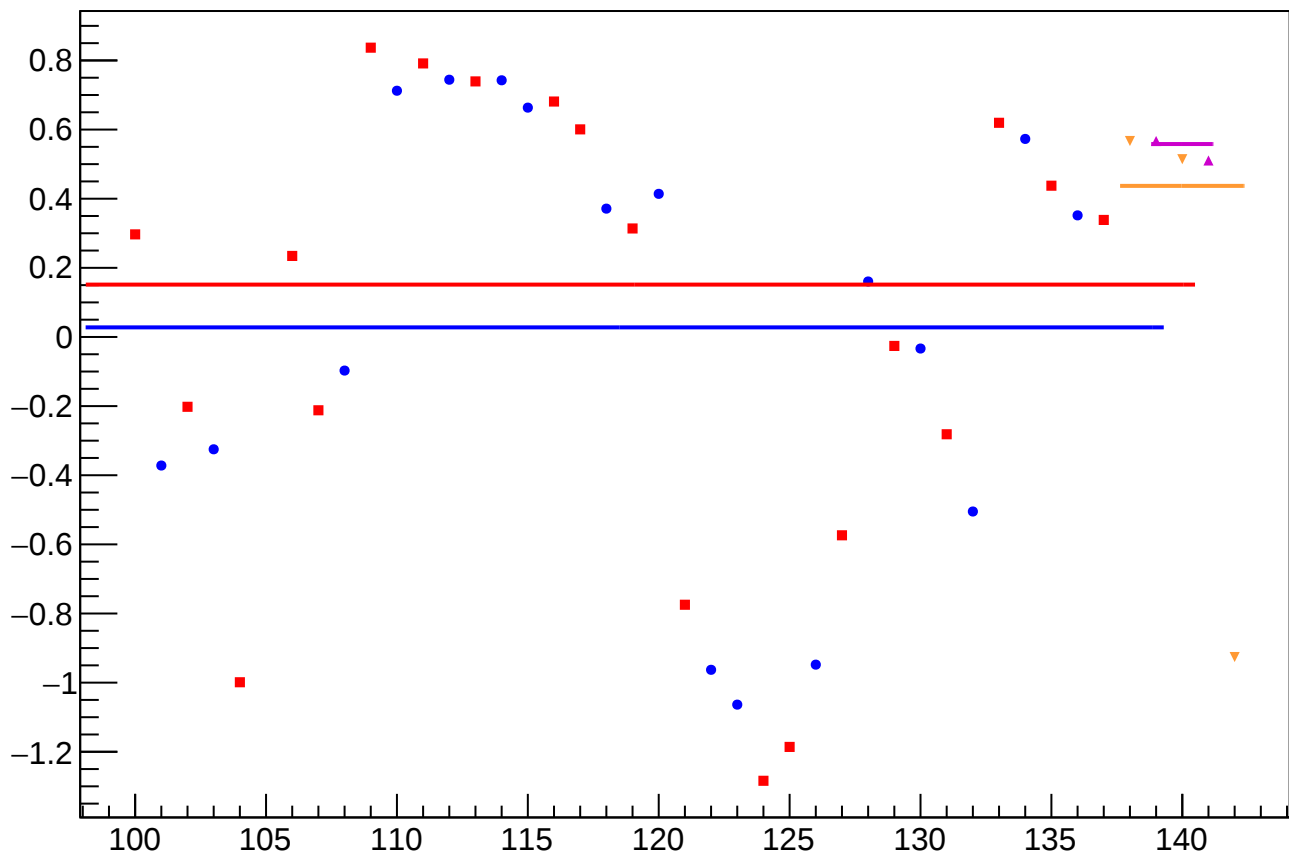
Left In: 0.014+/-0.000 χ^2/NDF : 362687.8/1

0.013+/-0.000 χ^2/NDF : 619406.6/19

0.014+/-0.000 χ^2/NDF : 1524778.1/41

0.014+/-0.000 χ^2/NDF : 874853.4/21

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.437 $\pm$ 0.000 χ^2 /NDF:3877668087.8/2

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12665480117.0/19

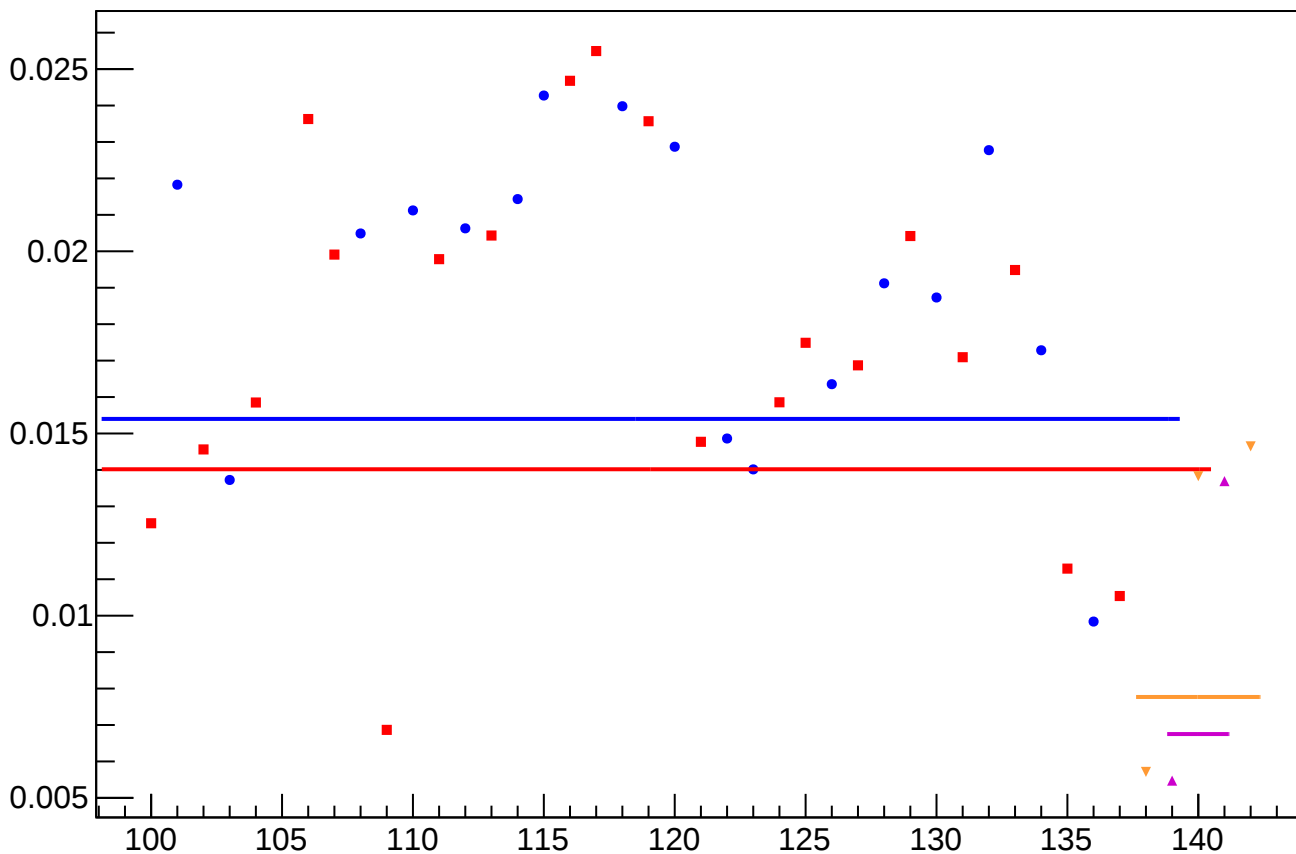
Left In: 0.558 $\pm$ 0.000 χ^2 /NDF:11145787.0/1

0.232 $\pm$ 0.000 χ^2 /NDF: 12131013250.7/19

0.295 $\pm$ 0.000 χ^2 /NDF: 27433350240.2/4

0.348 $\pm$ 0.000 χ^2 /NDF: 14961633576.7/21

yield_bpm11Y_rms vs Slug, Sign Corrected



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

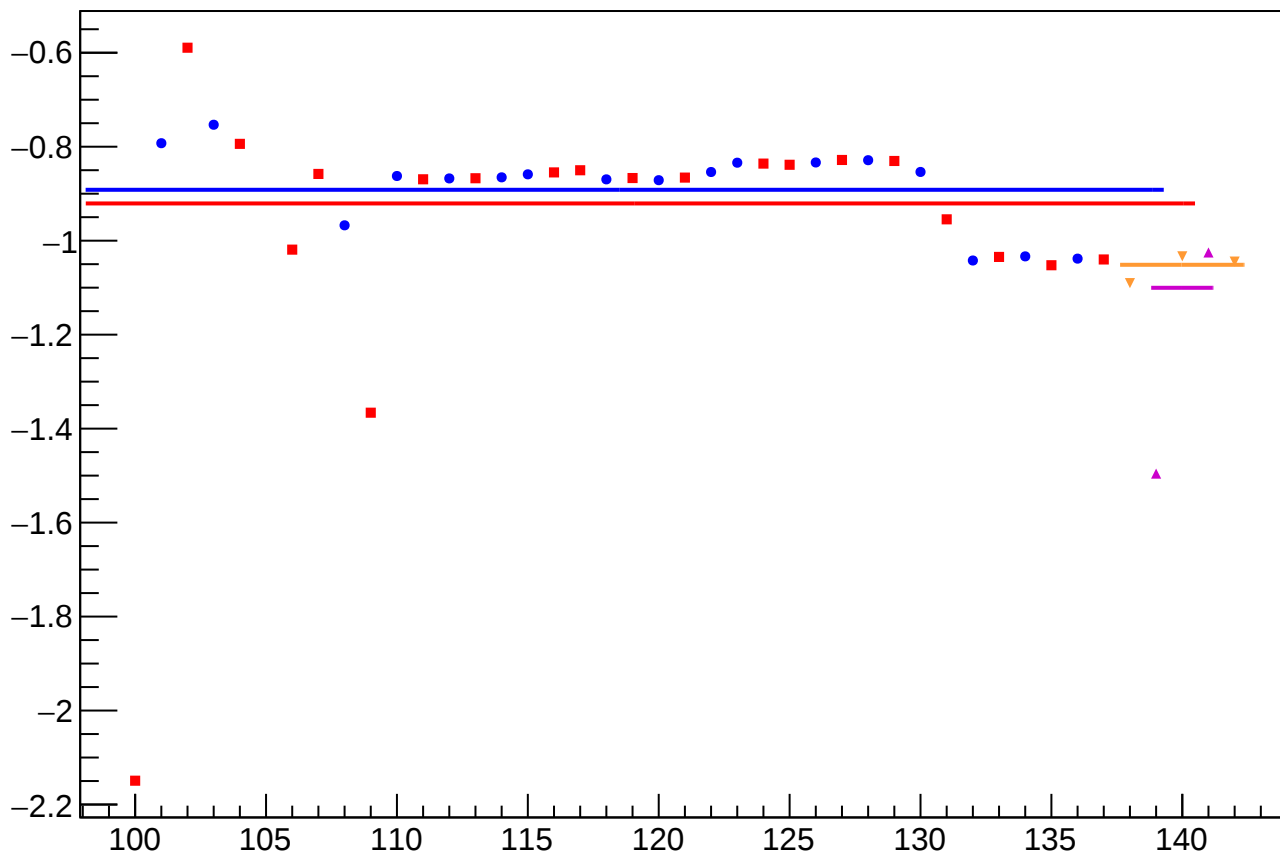
Left In: 0.007+/-0.000 χ^2/NDF : 474182.7/1

0.012+/-0.000 χ^2/NDF : 3130658.7/19

0.011+/-0.000 χ^2/NDF : 6700281.8/41

0.011+/-0.000 χ^2/NDF : 3510273.6/21

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892 $\pm$ 0.000 χ^2 /NDF: 39793337.2/16

Left Out: -1.051 $\pm$ 0.000 χ^2 /NDF:859921.1/2

Right Out: -0.921 $\pm$ 0.000 χ^2 /NDF: 131248005.3/19

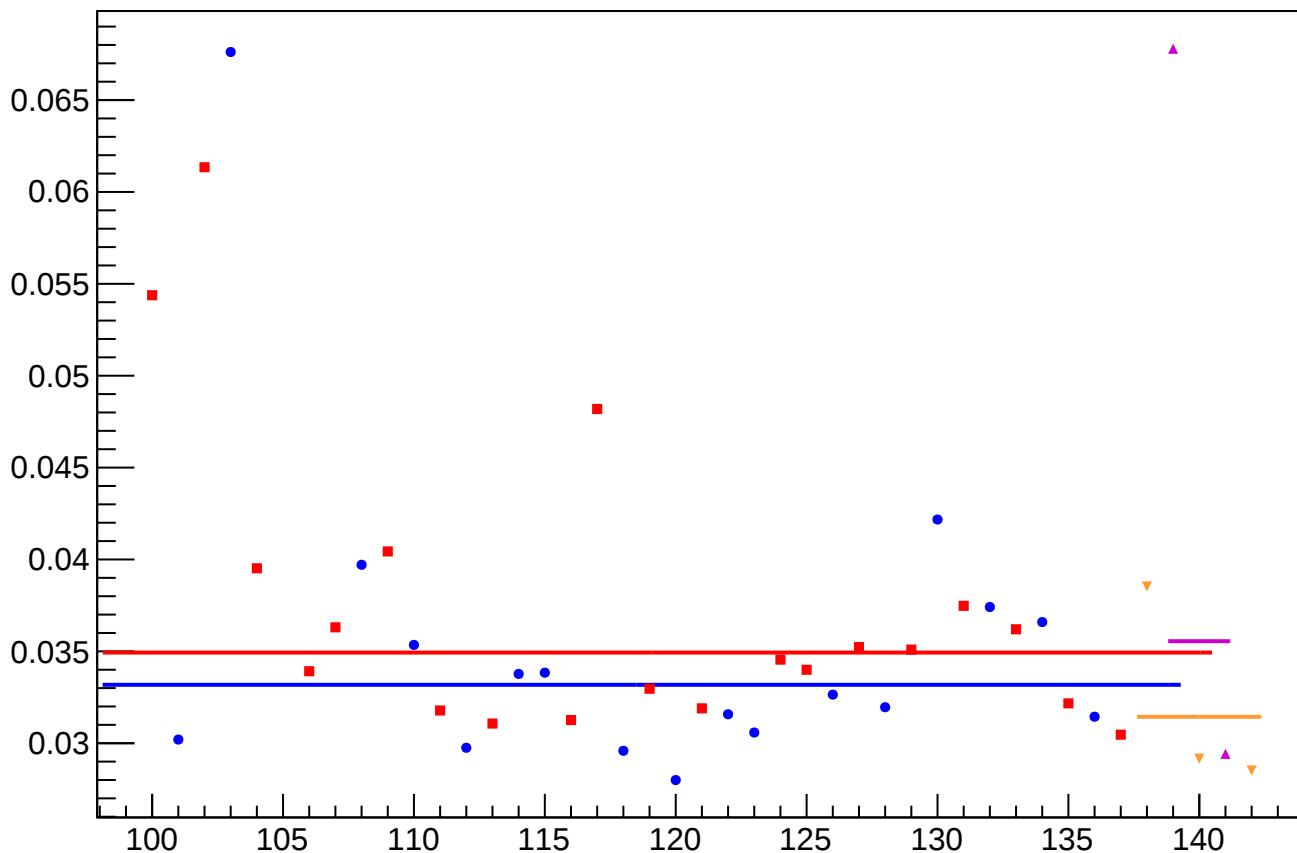
Left In: -1.100 $\pm$ 0.000 χ^2 /NDF:28321231.5/1

-0.928 $\pm$ 0.000 χ^2 /NDF: 70881557.3/19

-0.938 $\pm$ 0.000 χ^2 /NDF: 257787408.1/41

-0.949 $\pm$ 0.000 χ^2 /NDF: 185414534.5/21

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033 $\pm$ 0.000 χ^2/NDF : 400106.0/16

Left Out: 0.031 $\pm$ 0.000 χ^2/NDF : 54888.1/2

Right Out: 0.035 $\pm$ 0.000 χ^2/NDF : 281256.5/19

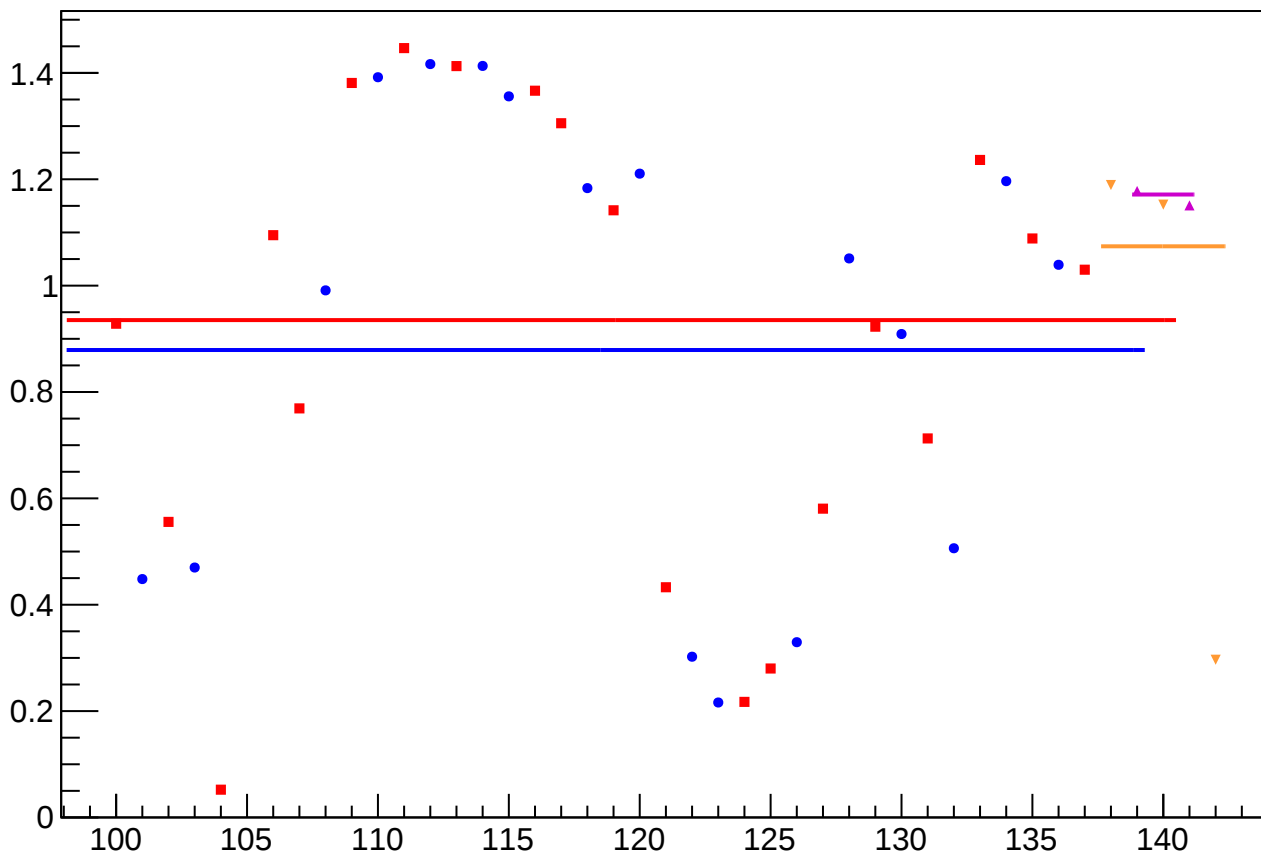
Left In: 0.036 $\pm$ 0.000 χ^2/NDF : 376507.3/1

0.033 $\pm$ 0.000 χ^2/NDF : 462186.7/19

0.034 $\pm$ 0.000 χ^2/NDF : 1152736.4/41

0.035 $\pm$ 0.000 χ^2/NDF : 658375.8/21

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 $\pm$ 0.000 χ^2 /NDF: 6371602566.2/16

Left Out: 1.074 $\pm$ 0.000 χ^2 /NDF:2975820496.6/2

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9844960466.1/19

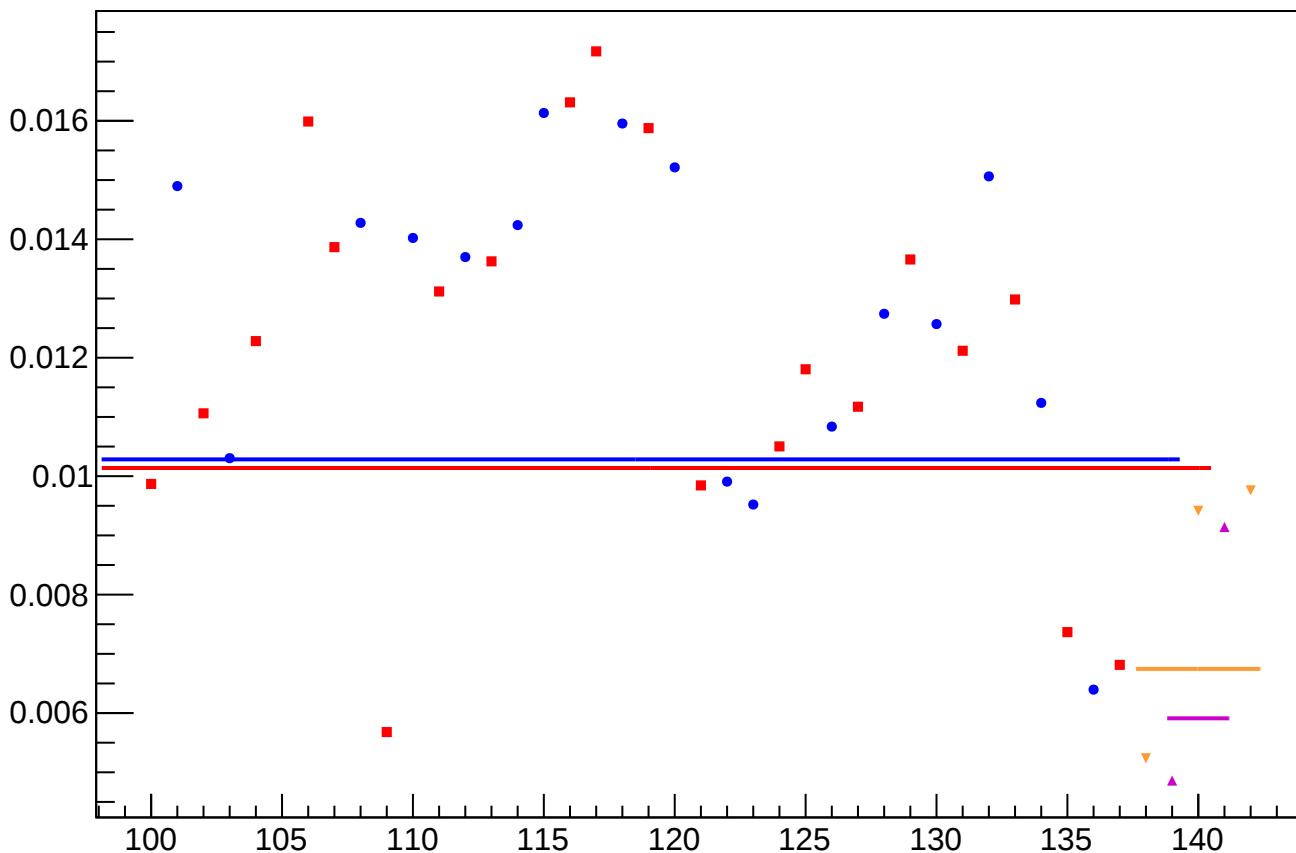
Left In: 1.171 $\pm$ 0.000 χ^2 /NDF:5182898.4/1

0.958 $\pm$ 0.000 χ^2 /NDF: 10161788424.7/19

0.995 $\pm$ 0.000 χ^2 /NDF: 21518462582.2/4

1.030 $\pm$ 0.000 χ^2 /NDF: 11123553971.3/21

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 304929.2/2

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1189529.0/19

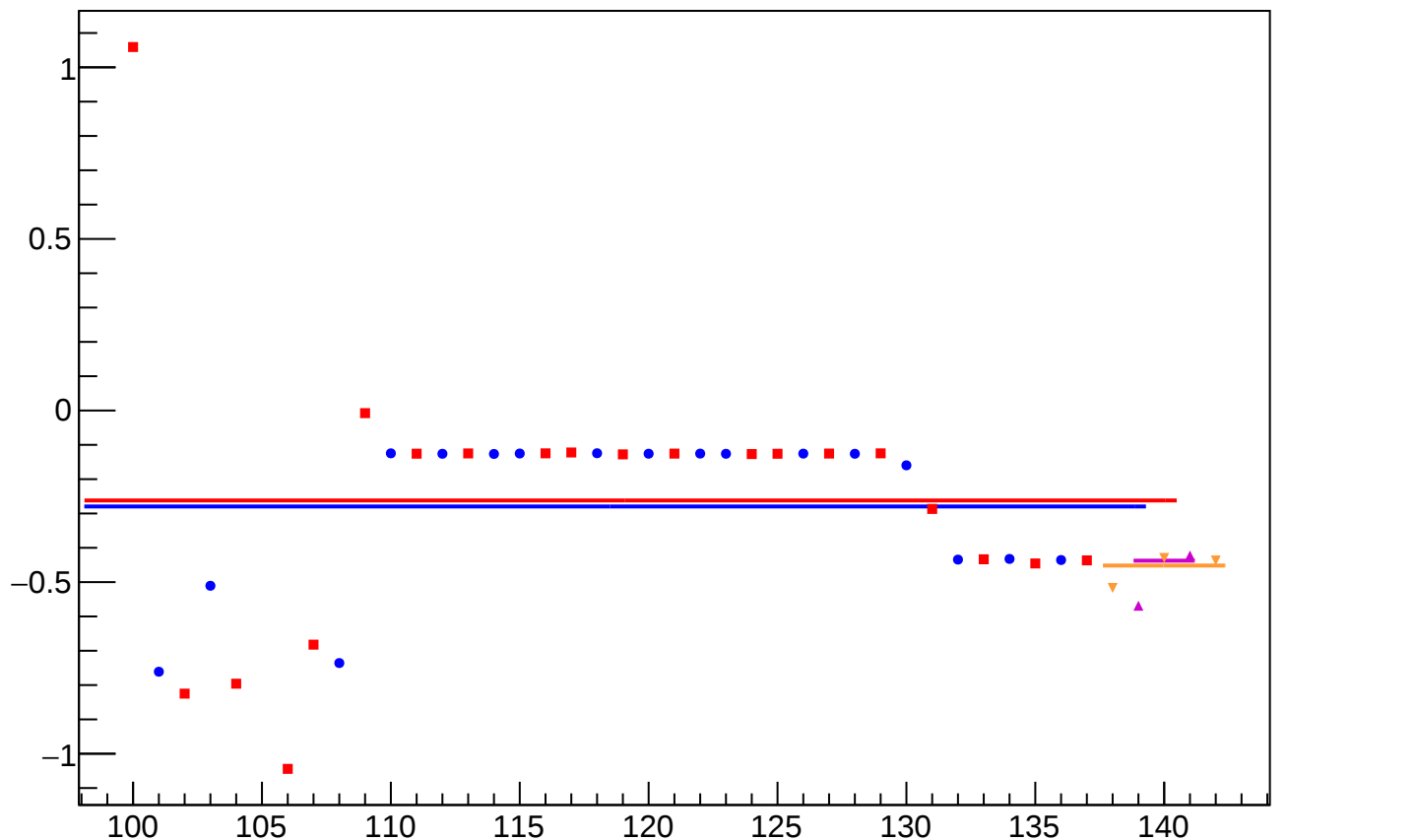
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 258434.8/1

0.009 $\pm$ 0.000 χ^2/NDF : 2048498.6/19

0.009 $\pm$ 0.000 χ^2/NDF : 4326763.2/41

0.008 $\pm$ 0.000 χ^2/NDF : 2263940.9/21

yield_bpm16X_mean vs Slug, Sign Corrected



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

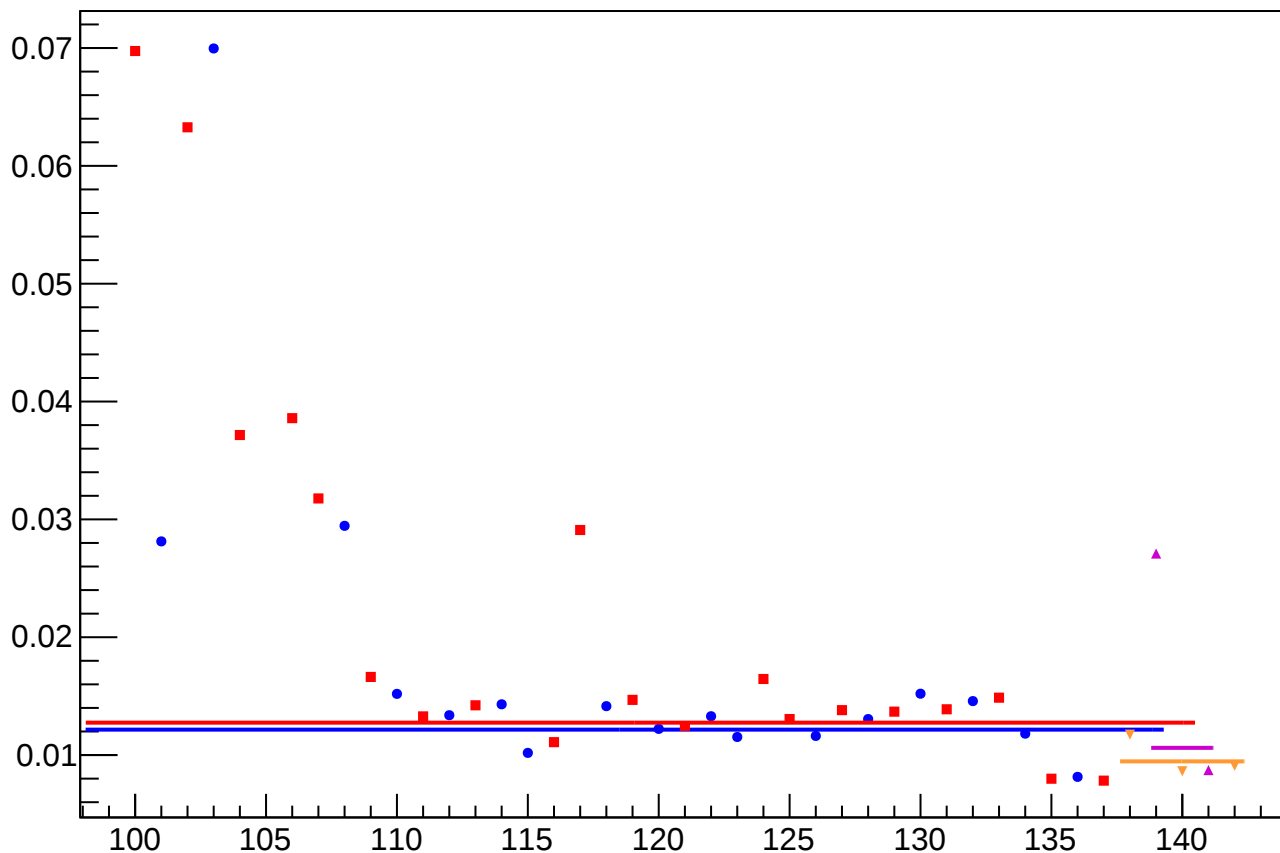
Left In: -0.437+/-0.000 χ^2/NDF : 18566367.7/1

-0.337+/-0.000 χ^2/NDF : 1259226493.2/19

-0.322+/-0.000 χ^2/NDF : 2527988285.5/4

-0.304+/-0.000 χ^2/NDF : 1245797428.3/21

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 +/- 0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.009 +/- 0.000 χ^2/NDF : 49570.1/2

Right Out: 0.013 +/- 0.000 χ^2/NDF : 1991972.4/19

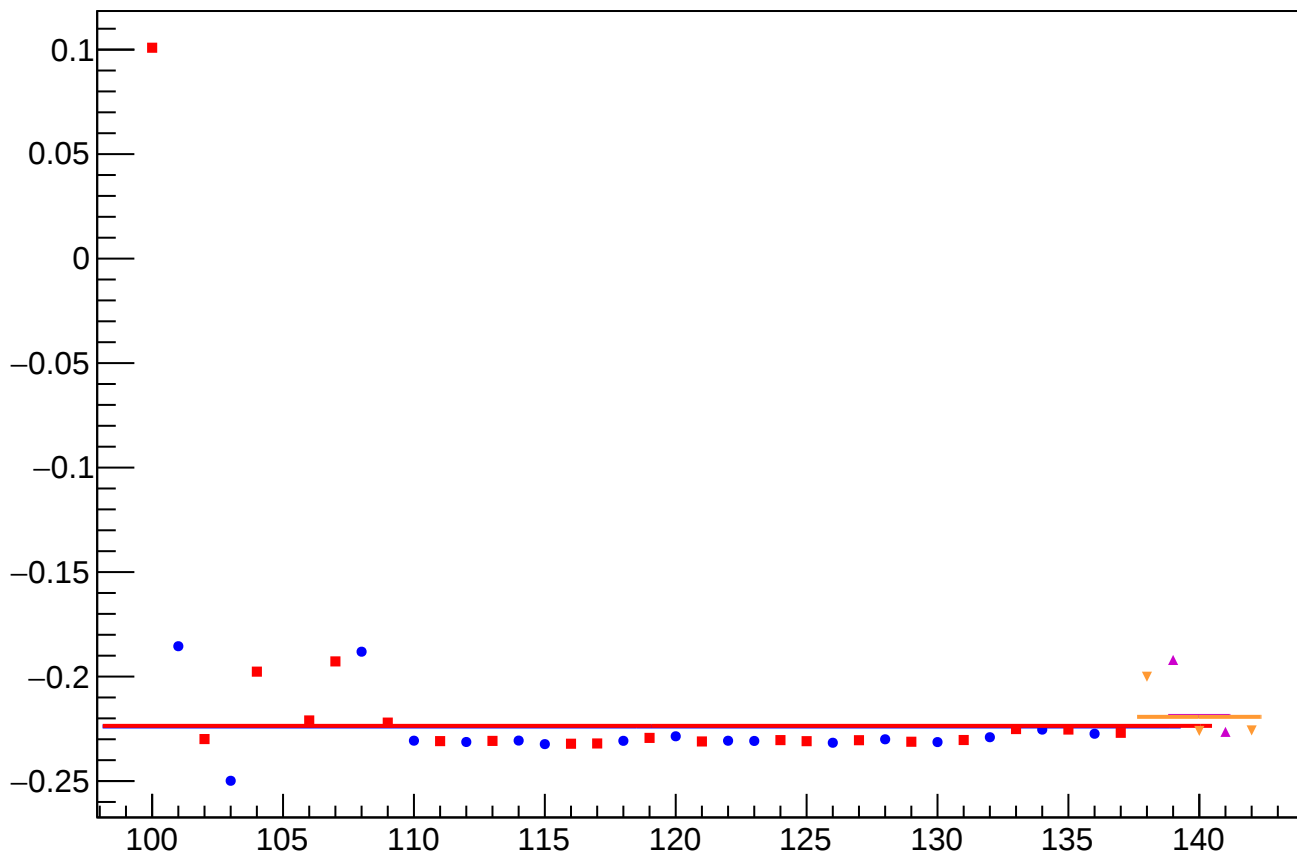
Left In: 0.011 +/- 0.000 χ^2/NDF : 585638.5/1

0.011 +/- 0.000 χ^2/NDF : 1924093.5/19

0.012 +/- 0.000 χ^2/NDF : 4607866.5/41

0.012 +/- 0.000 χ^2/NDF : 2642955.0/21

yield_bpm16Y_mean vs Slug, Sign Corrected



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

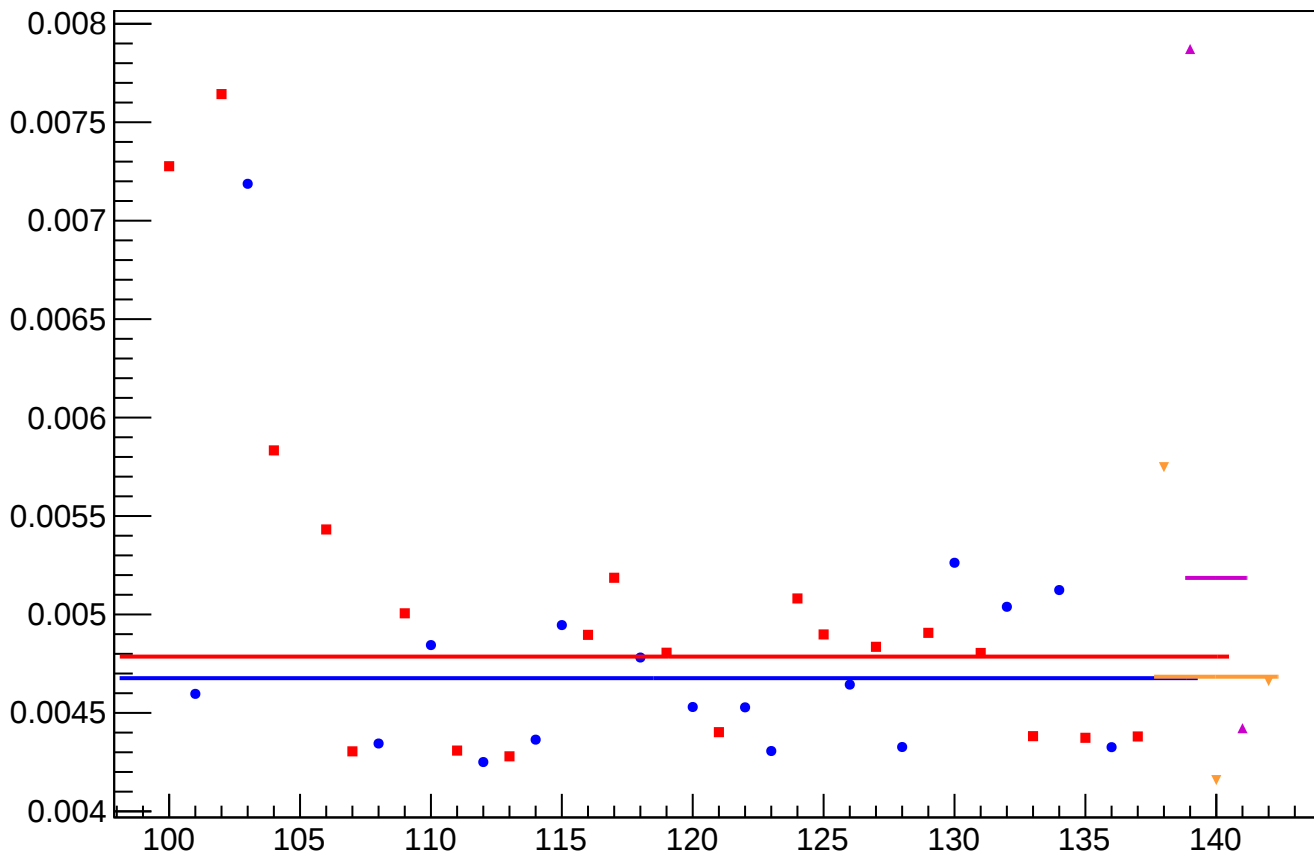
Left In: -0.219+/-0.000 χ^2/NDF : 10222442.9/1

-0.223+/-0.000 χ^2/NDF : 85955831.3/19

-0.223+/-0.000 χ^2/NDF : 265365038.6/41

-0.223+/-0.000 χ^2/NDF : 179409166.7/21

yield_bpm16Y_rms vs Slug, Sign Corrected



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

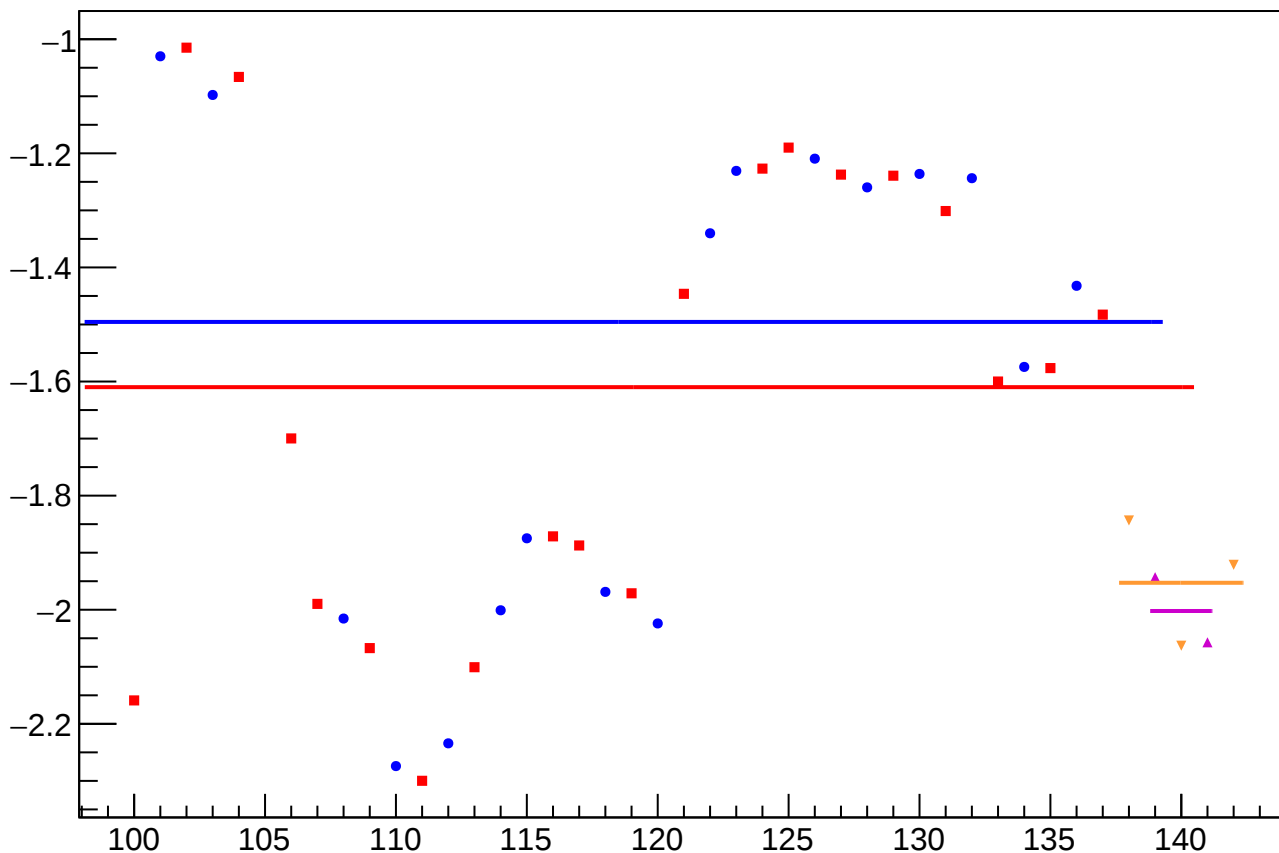
Left In: 0.005+/-0.000 χ^2/NDF : 205461.4/1

0.005+/-0.000 χ^2/NDF : 248920.1/19

0.005+/-0.000 χ^2/NDF : 726386.2/41

0.005+/-0.000 χ^2/NDF : 467780.1/21

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.953+/-0.000 χ^2/NDF : 615597680.0/2

-1.640+/-0.000 χ^2/NDF : 32264228517.3/19

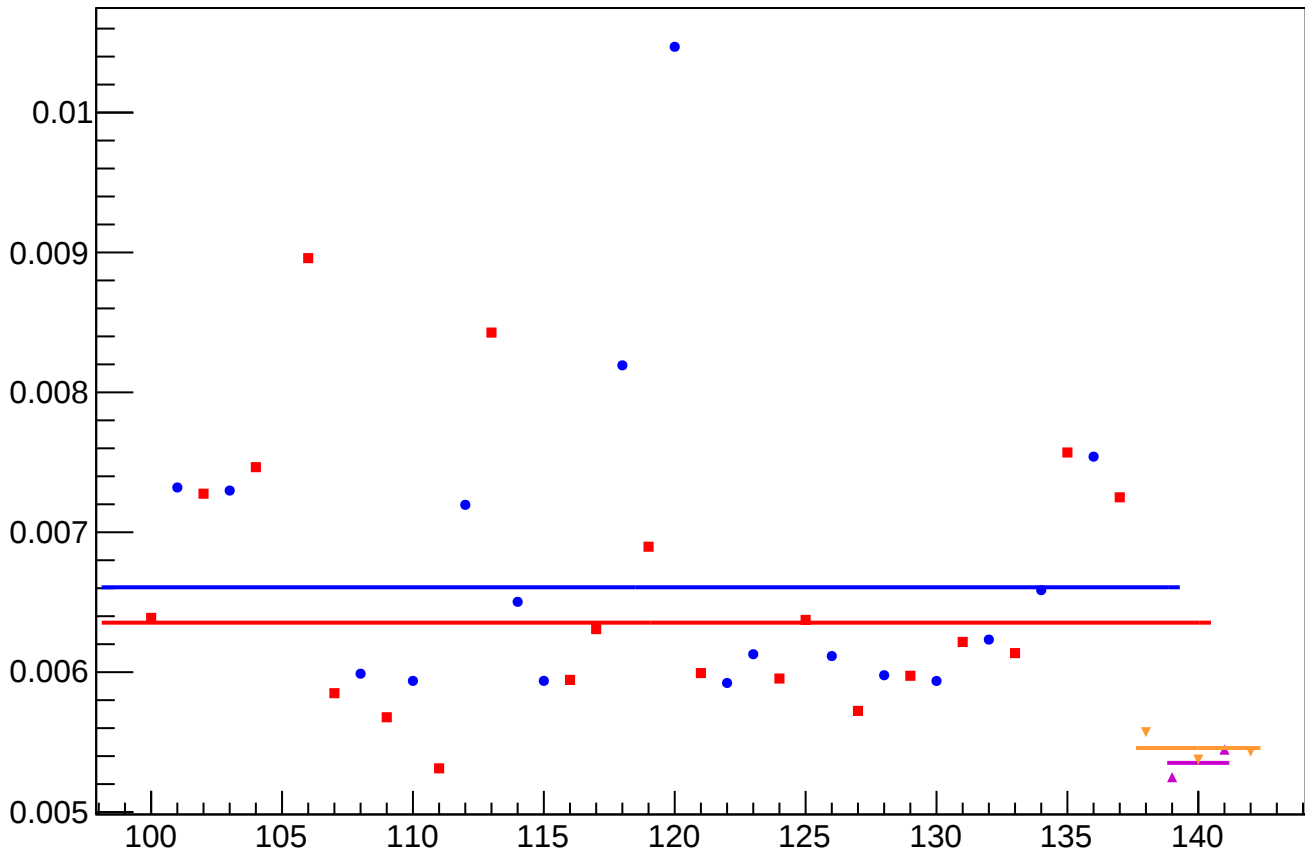
Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

-1.674+/-0.000 χ^2/NDF : 67045363241.1/4

-1.706+/-0.000 χ^2/NDF : 34315029731.9/21

Left In: -2.002+/-0.000 χ^2/NDF : 173790336.2/1

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 201323.2/16

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF : 974.7/2

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227292.5/19

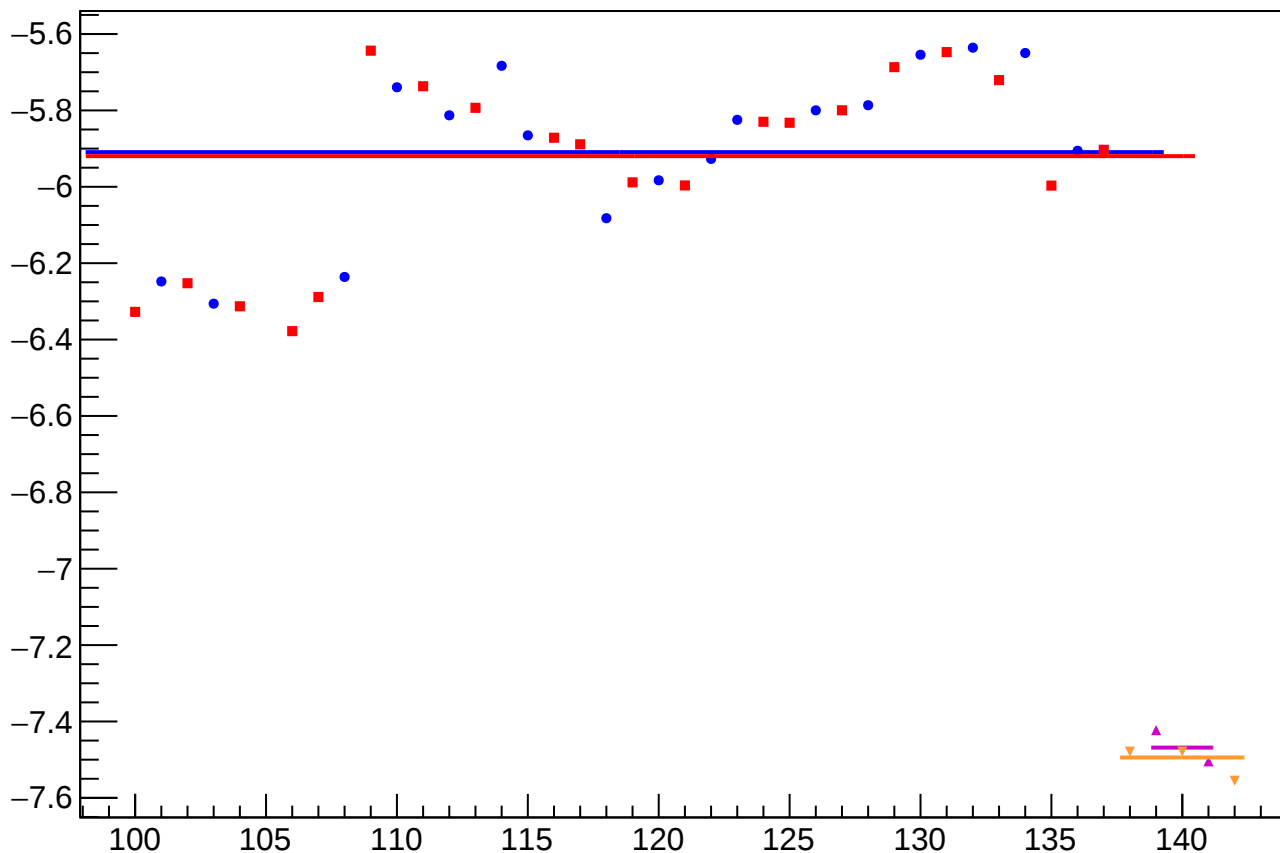
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 1033.2/1

0.006 $\pm$ 0.000 χ^2/NDF : 317705.4/19

0.006 $\pm$ 0.000 χ^2/NDF : 630960.9/41

0.006 $\pm$ 0.000 χ^2/NDF : 309307.4/21

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909 $\pm$ 0.000 χ^2 /NDF: 11125163629.1/16

Left Out: -7.494 $\pm$ 0.000 χ^2 /NDF: 20551389.3/2

-6.065 $\pm$ 0.000 χ^2 /NDF: 60909969878.8/19

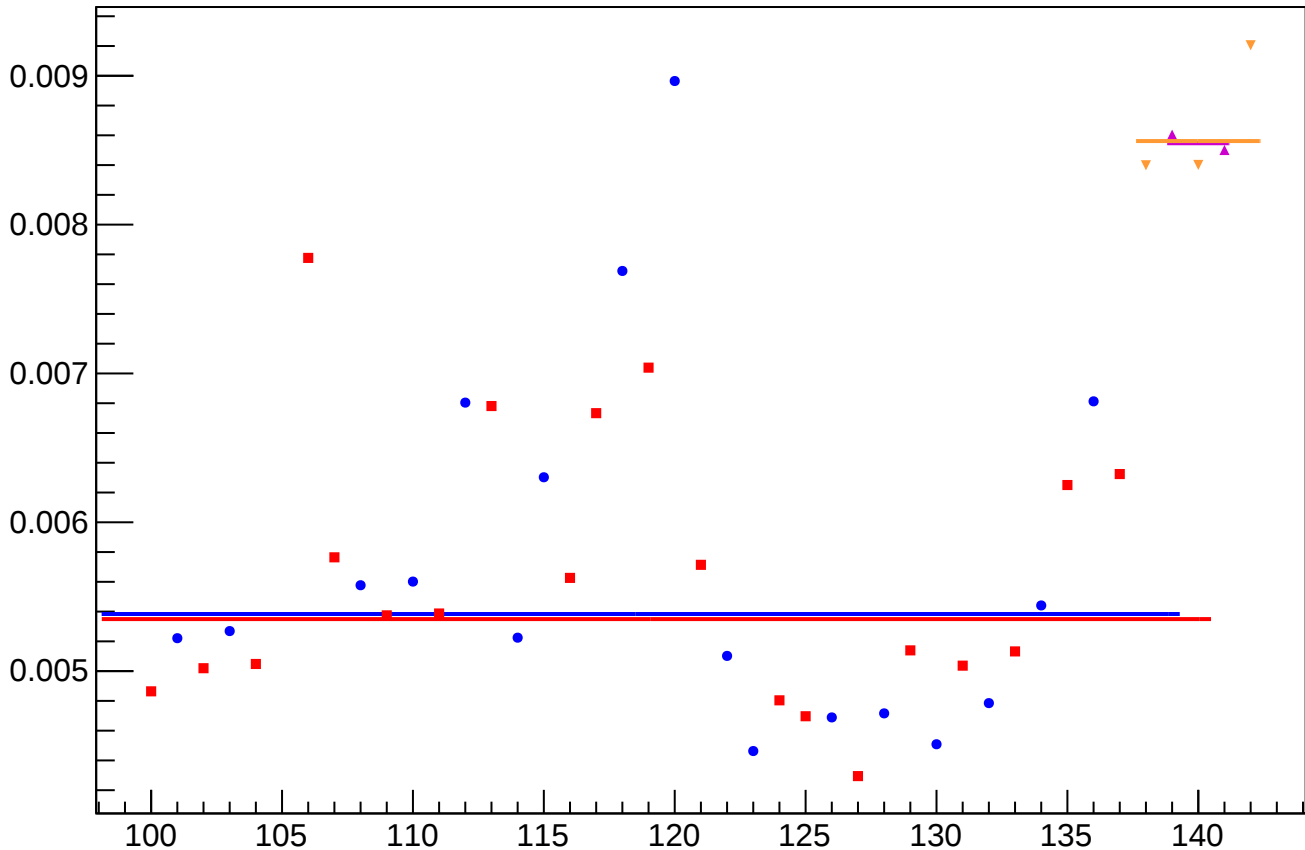
Right Out: -5.920 $\pm$ 0.000 χ^2 /NDF: 12786104538.4/19

-6.050 $\pm$ 0.000 χ^2 /NDF: 114434502373.7

-6.037 $\pm$ 0.000 χ^2 /NDF: 53436351369.2/21

Left In: -7.468 $\pm$ 0.000 χ^2 /NDF: 30127911.7/1

yield_bpm0l01Y_rms vs Slug, Sign Corrected



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

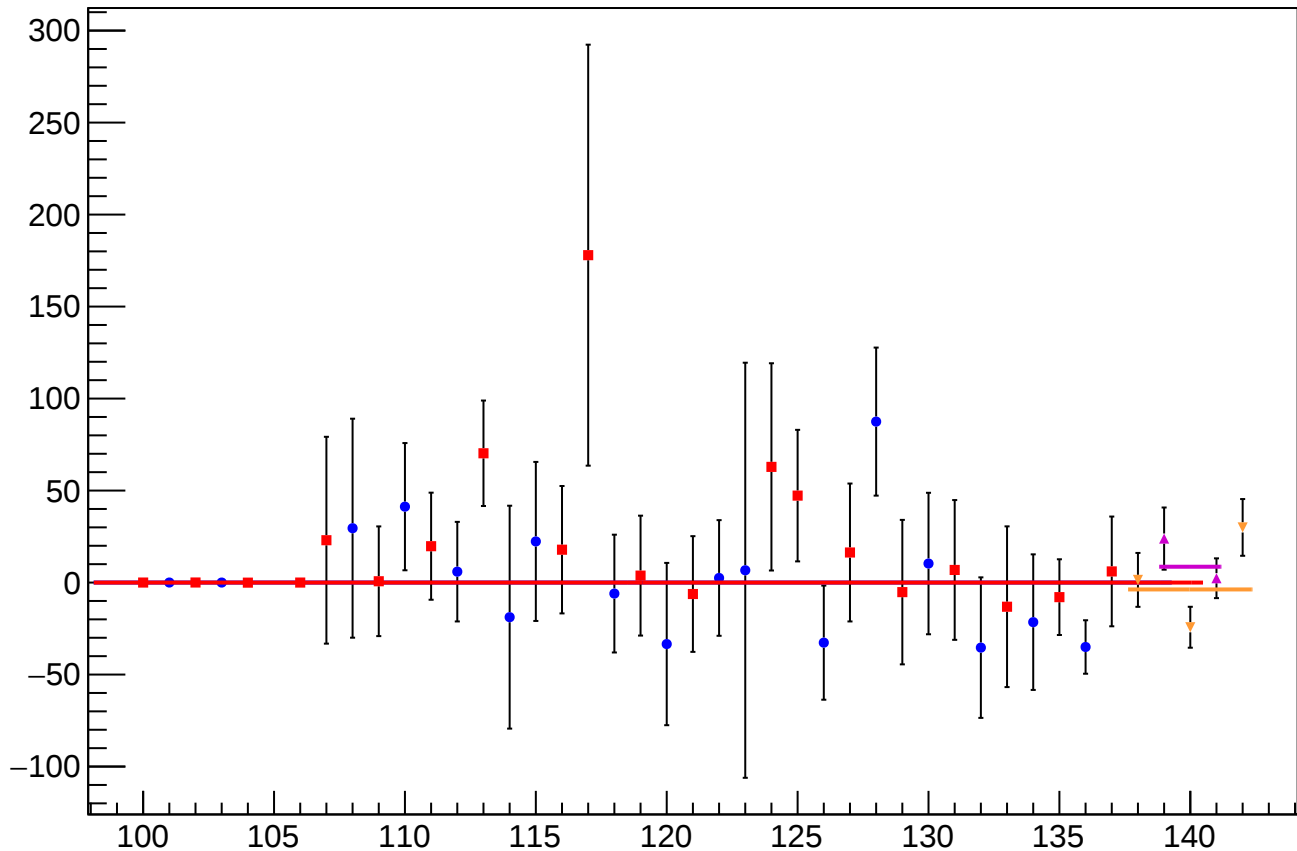
Left In: 0.009+/-0.000 χ^2/NDF : 95.8/1

0.006+/-0.000 χ^2/NDF : 752255.9/19

0.006+/-0.000 χ^2/NDF : 1349096.5/41

0.006+/-0.000 χ^2/NDF : 594351.5/21

diff_cav4bX_mean vs Slug, Sign Corrected



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

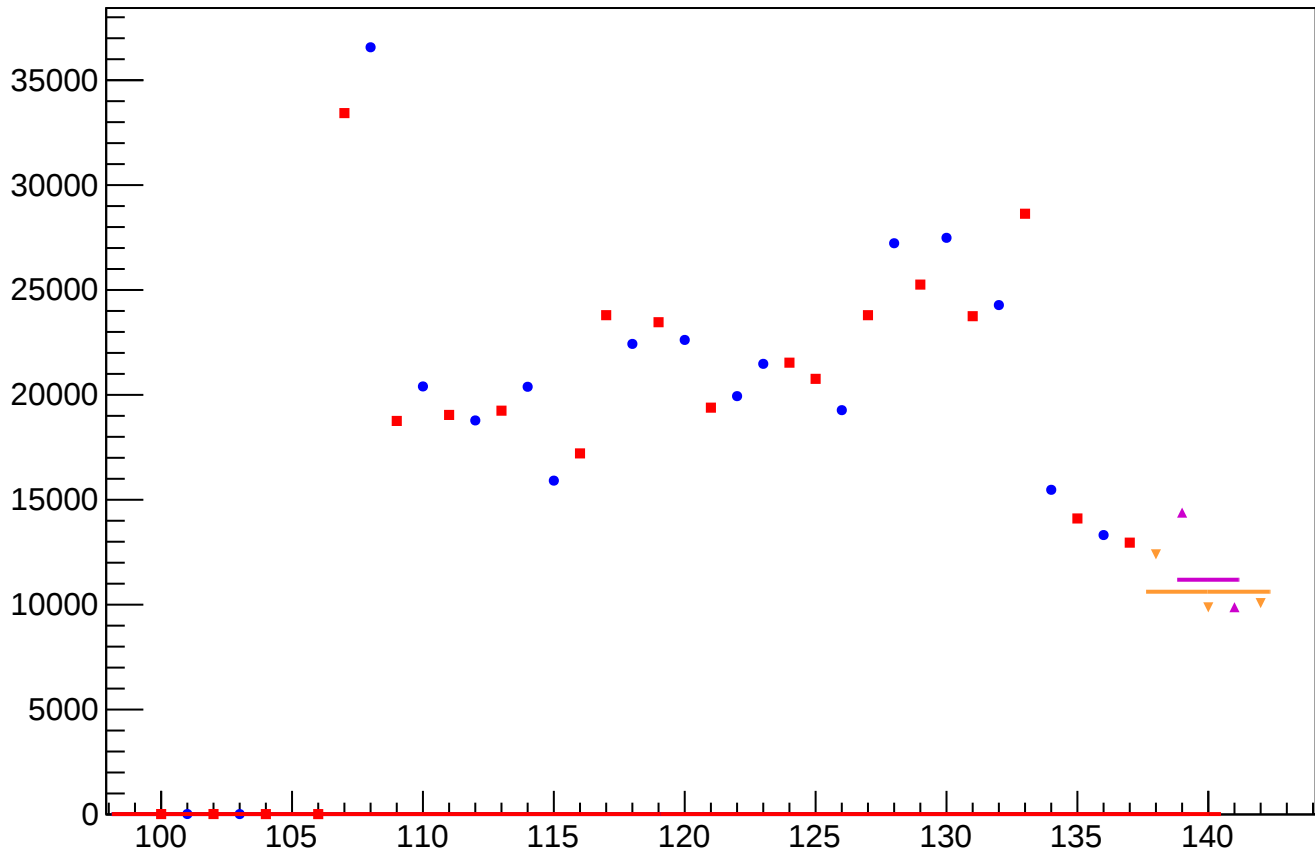
Left In: 8.608 ± 9.104 χ^2/NDF : 1.2/1

0.013 ± 0.017 χ^2/NDF : 24.3/19

0.004 ± 0.012 χ^2/NDF : 44.6/41

-0.003 ± 0.016 χ^2/NDF : 19.8/21

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641 ± 0.012 $\chi^2/\text{NDF}: 10841561.4/16$

Left Out: 10616.887 ± 5.431 $\chi^2/\text{NDF}: 41049.7/2$

Right Out: 18.312 ± 0.011 $\chi^2/\text{NDF}: 11189737.0/19$

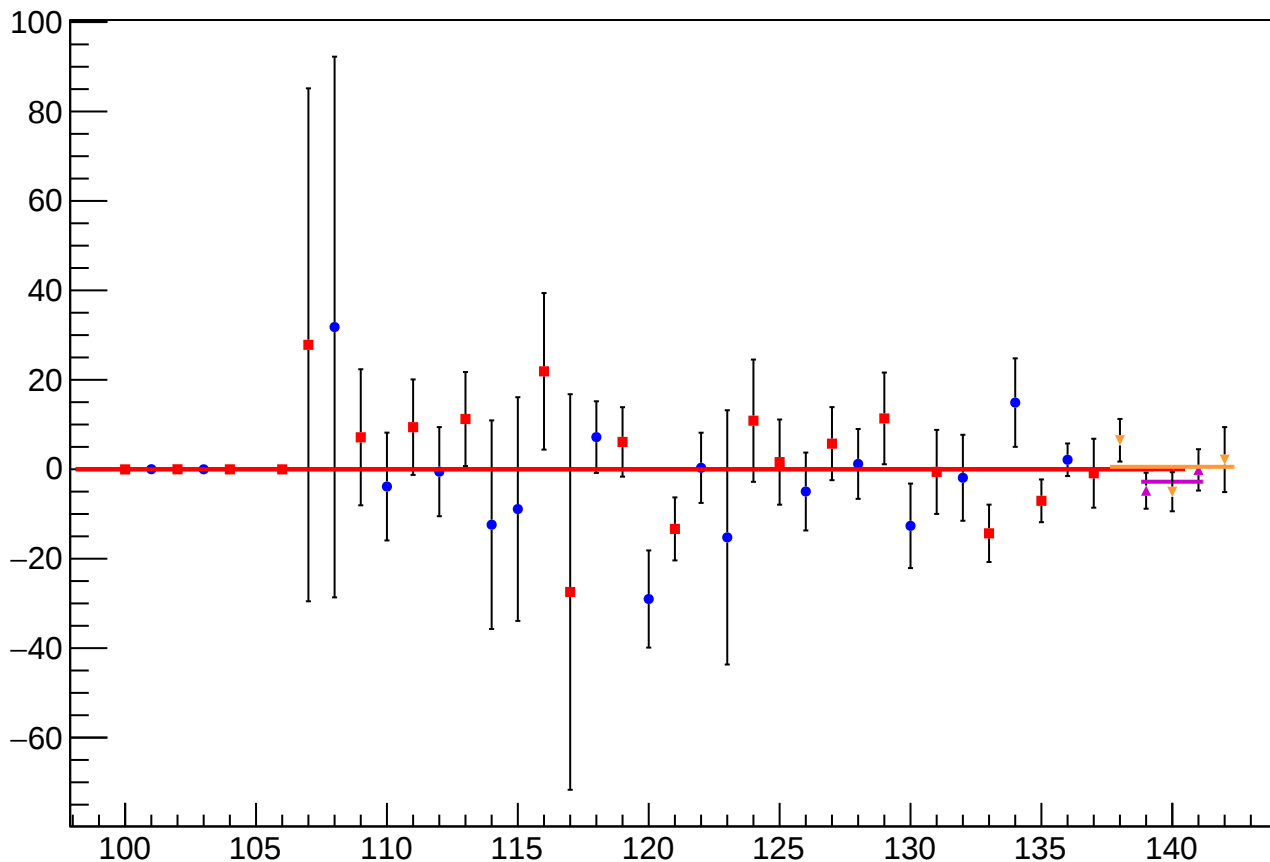
Left In: 11188.350 ± 6.437 $\chi^2/\text{NDF}: 101067.4/1$

18.695 ± 0.012 $\chi^2/\text{NDF}: 14690231.9/19$

18.508 ± 0.008 $\chi^2/\text{NDF}: 28992440.8/41$

18.347 ± 0.011 $\chi^2/\text{NDF}: 14301775.0/21$

diff_cav4bY_mean vs Slug, Sign Corrected



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

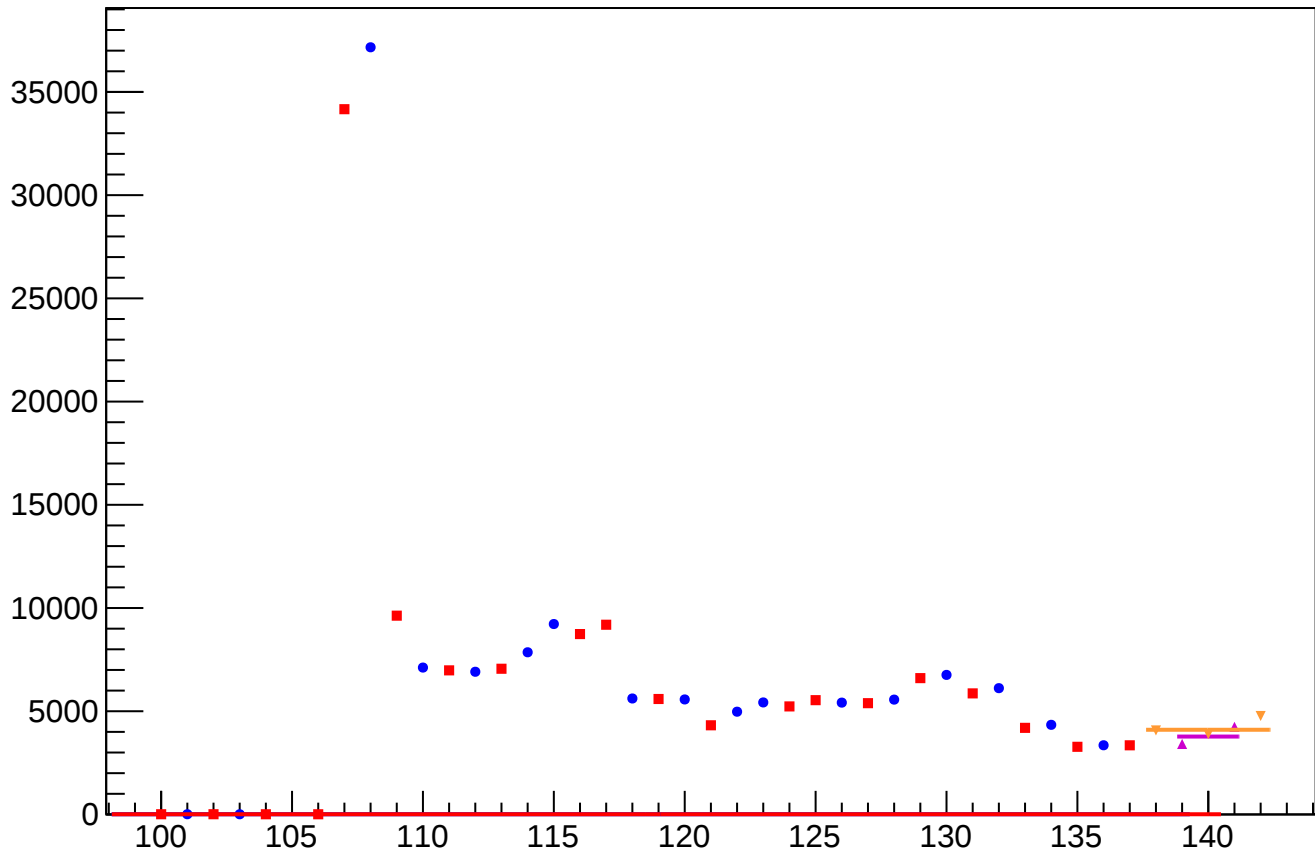
Left In: -2.786+/-3.036 χ^2/NDF : 0.6/1

0.001+/-0.009 χ^2/NDF : 18.2/19

-0.007+/-0.006 χ^2/NDF : 39.8/41

-0.014+/-0.009 χ^2/NDF : 20.2/21

diff_cav4bY_rms vs Slug, Sign Corrected



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

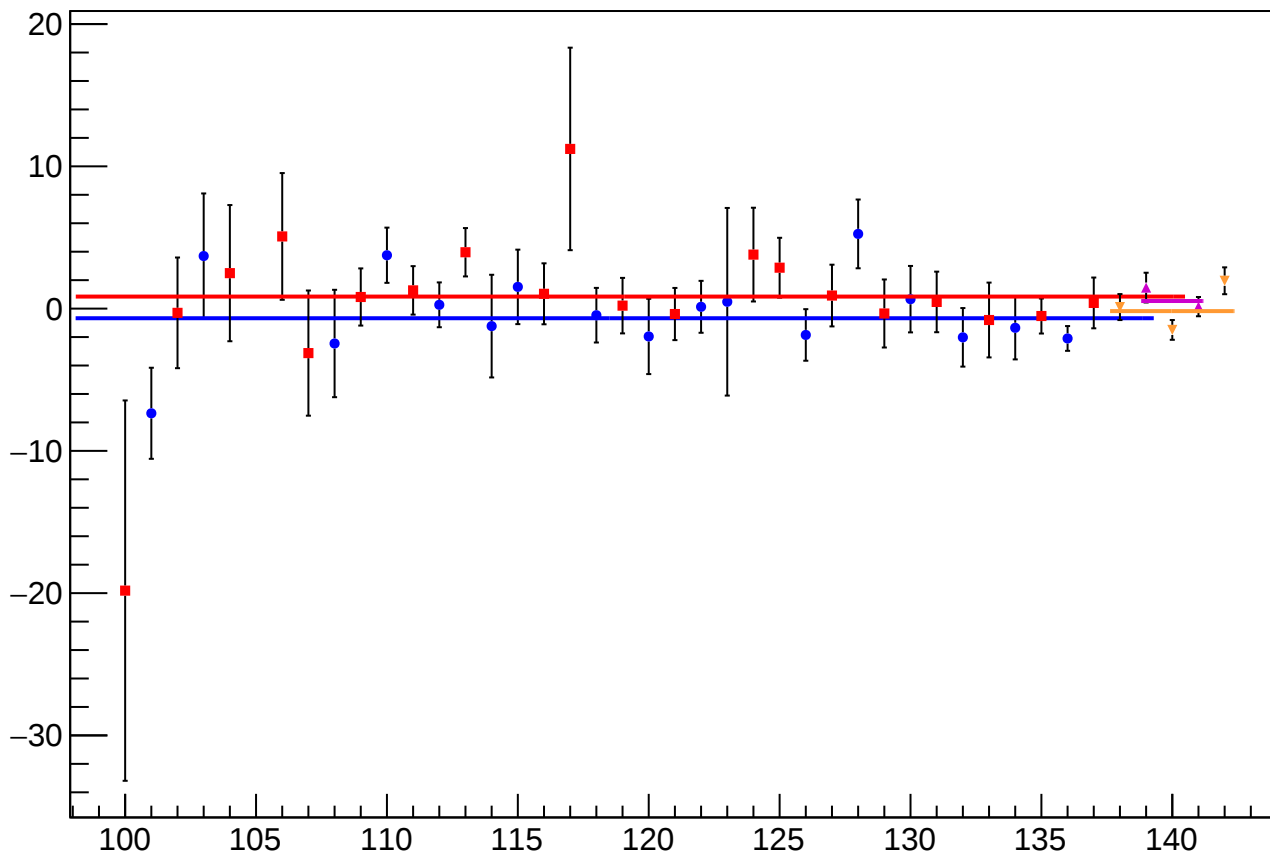
Left In: 3773.365+/-2.147 χ^2/NDF : 36696.0/1

9.978+/-0.007 χ^2/NDF : 14857430.6/19

9.929+/-0.004 χ^2/NDF : 29206324.3/41

9.885+/-0.006 χ^2/NDF : 14348785.7/21

diff_cav4cX_mean vs Slug, Sign Corrected



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

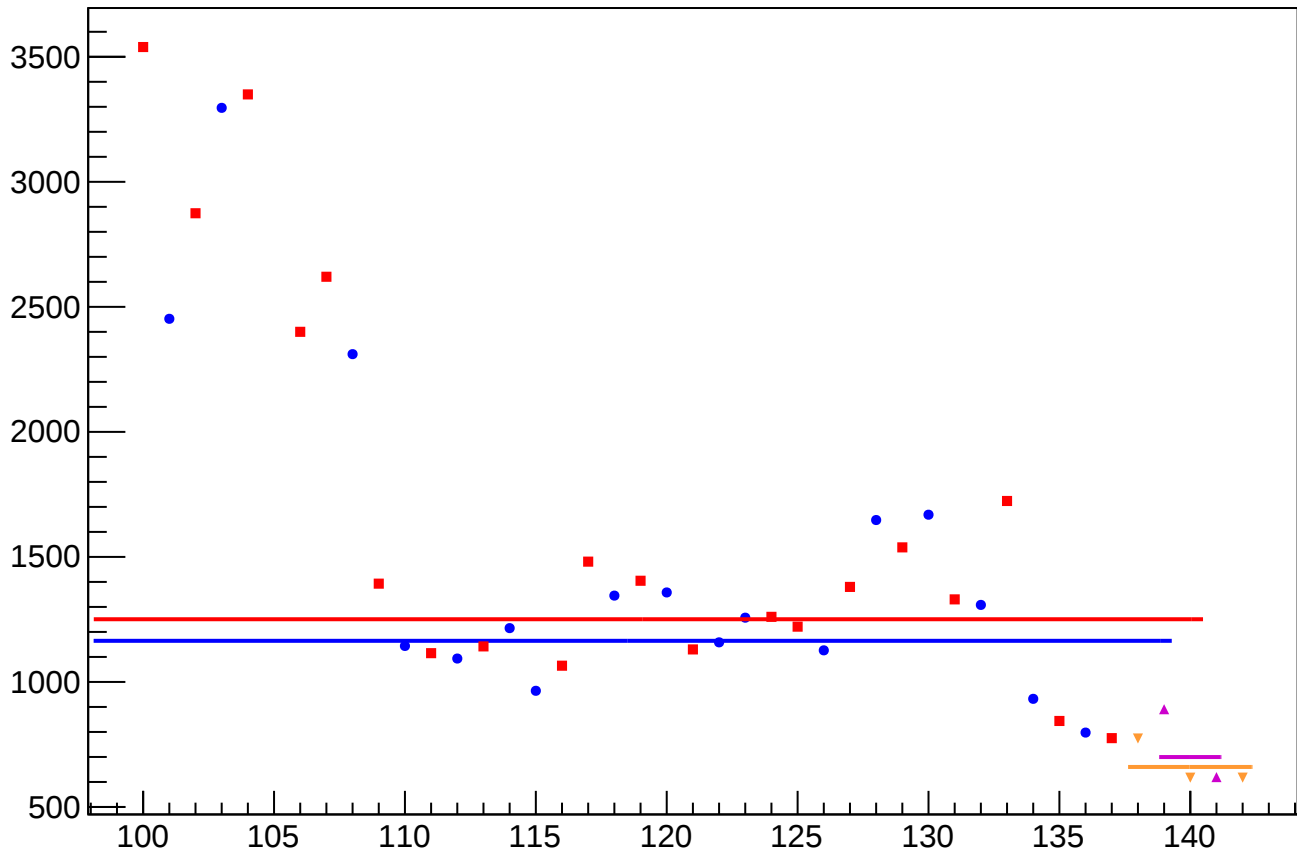
Left In: 0.534 ± 0.569 χ^2/NDF : 1.1/1

-0.423 ± 0.340 χ^2/NDF : 31.6/19

0.087 ± 0.252 χ^2/NDF : 52.1/41

0.710 ± 0.375 χ^2/NDF : 15.4/21

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 660.018+/-0.337 χ^2/NDF : 42750.2/2

Right Out: 1250.738+/-0.354 χ^2/NDF : 1652238.9/19

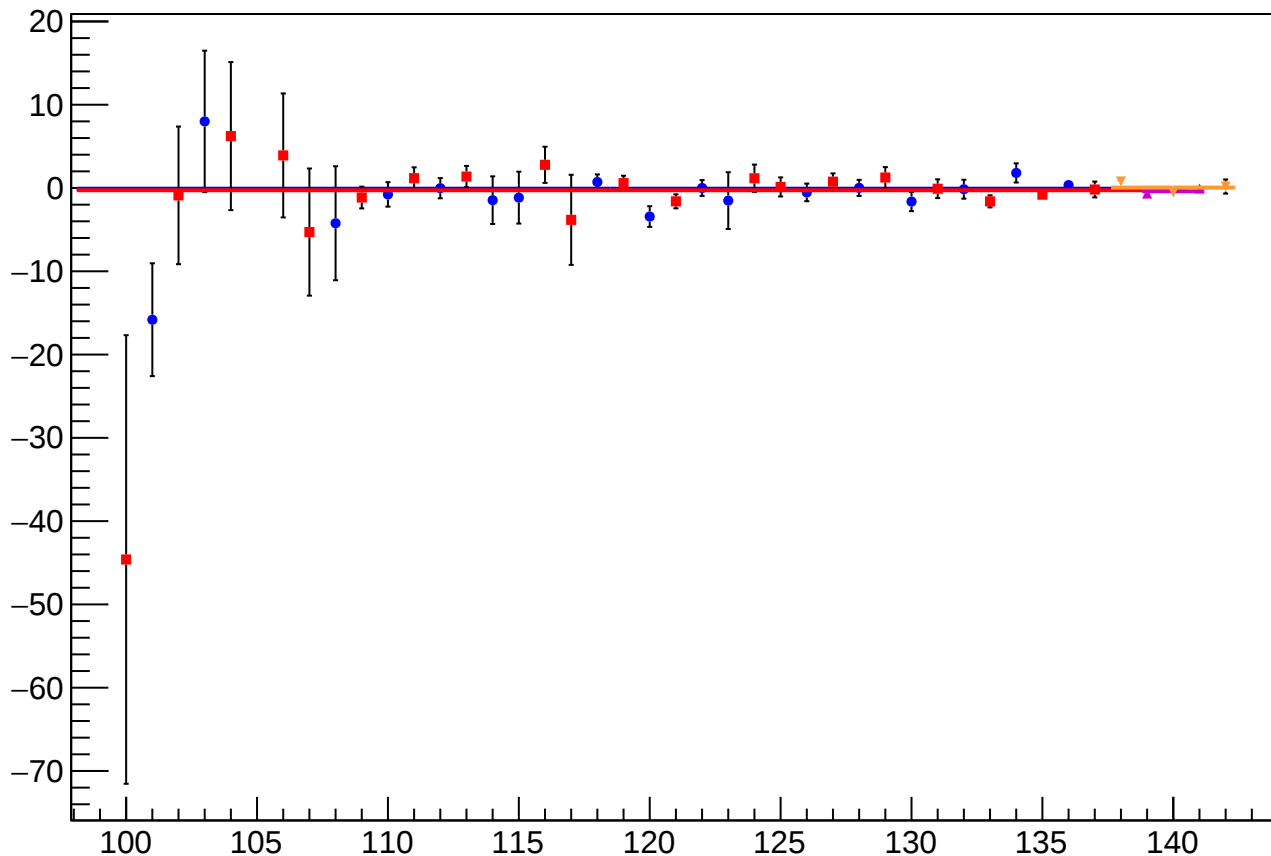
Left In: 699.658+/-0.402 χ^2/NDF : 94886.4/1

908.617+/-0.240 χ^2/NDF : 2728183.3/19

954.450+/-0.178 χ^2/NDF : 5615449.5/41

1010.393+/-0.266 χ^2/NDF : 2806501.7/21

diff_cav4cY_mean vs Slug, Sign Corrected



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

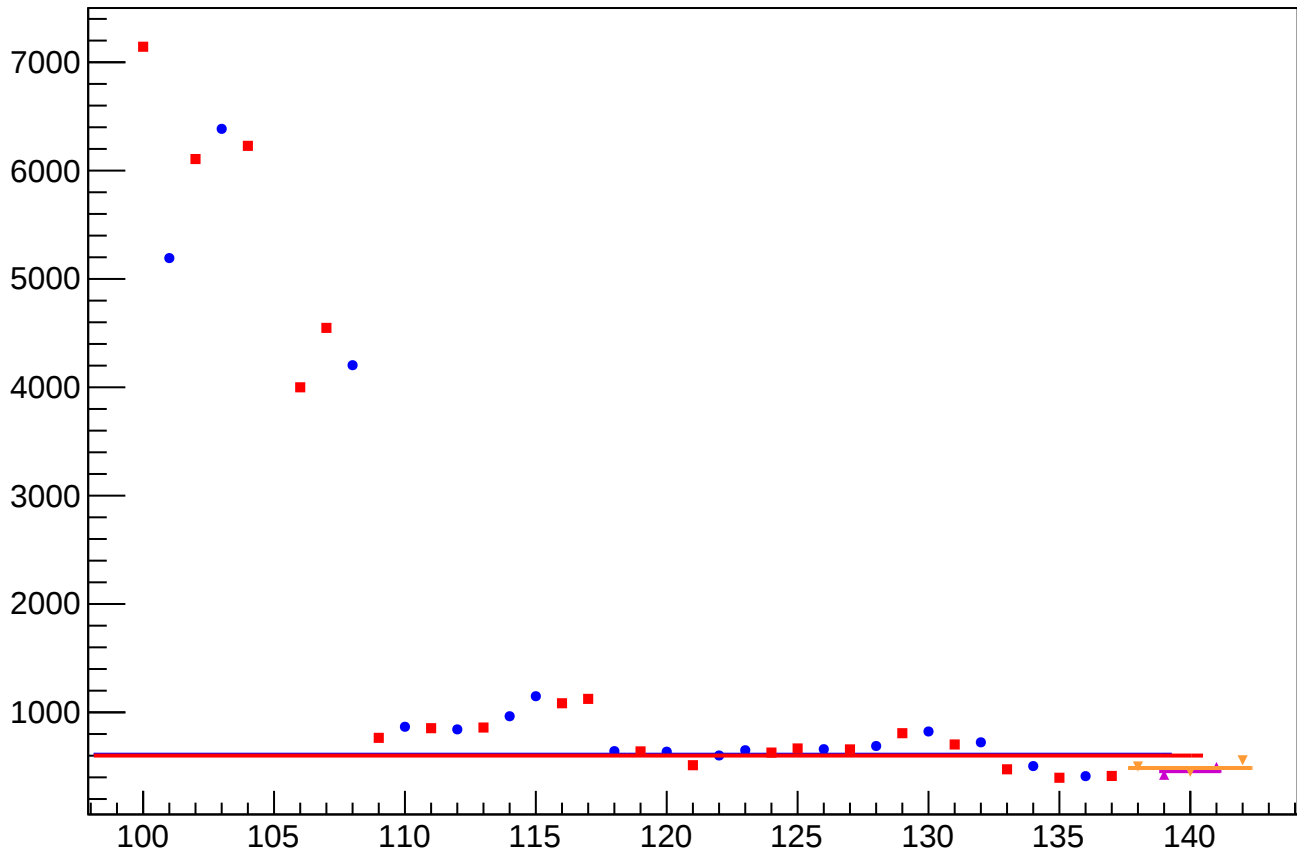
Left In: -0.385 ± 0.367 χ^2/NDF : 0.7/1

-0.034 ± 0.214 χ^2/NDF : 24.1/19

-0.170 ± 0.151 χ^2/NDF : 46.6/41

-0.308 ± 0.214 χ^2/NDF : 21.6/21

diff_cav4cY_rms vs Slug, Sign Corrected



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

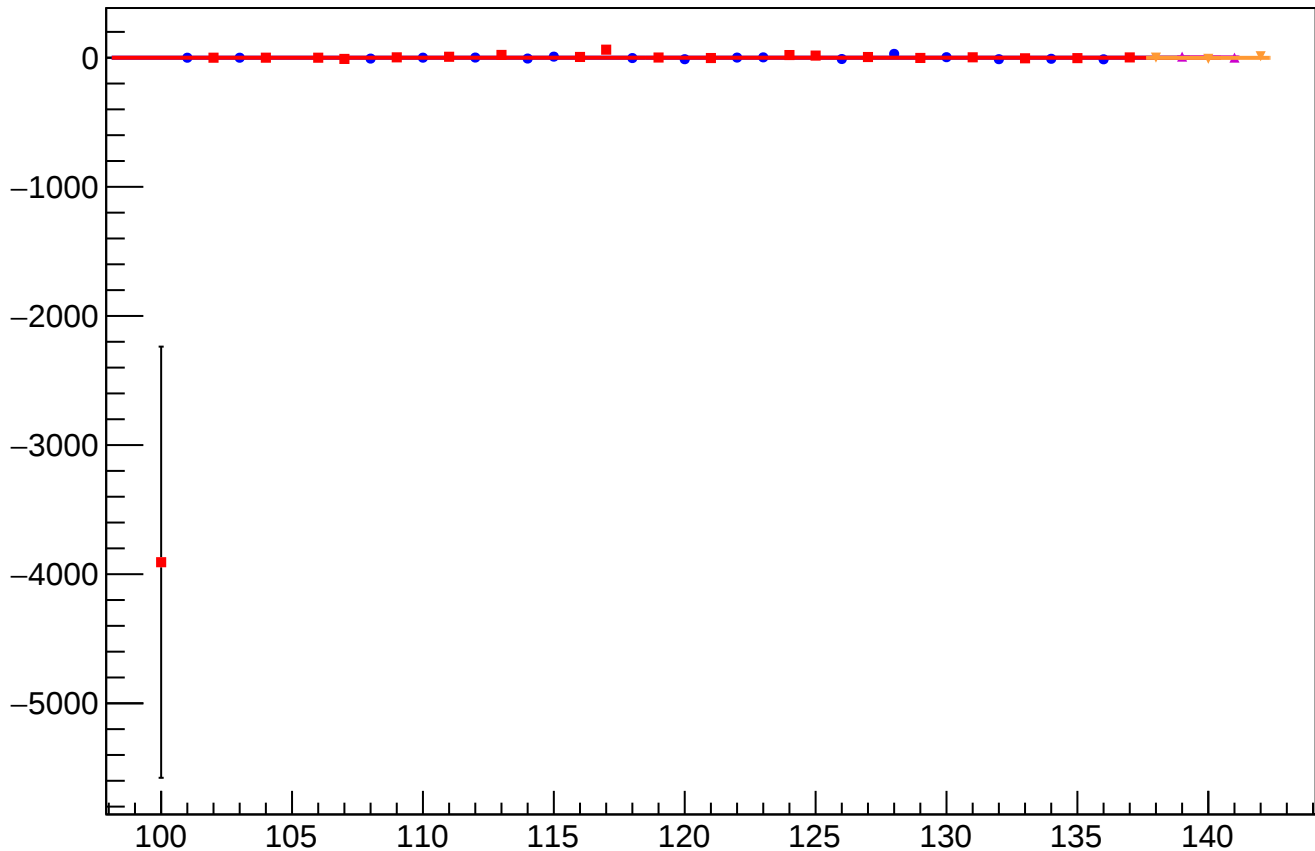
Left In: 457.182+/-0.259 χ^2/NDF :19262.4/1

563.045+/-0.151 χ^2/NDF : 3319002.2/19

557.565+/-0.107 χ^2/NDF : 7110107.5/41

552.050+/-0.152 χ^2/NDF : 3788465.0/21

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2/NDF : 15.3/16

Left Out: -1.009+/-2.755 χ^2/NDF : 8.9/2

Right Out: 0.027+/-0.020 χ^2/NDF : 19.8/19

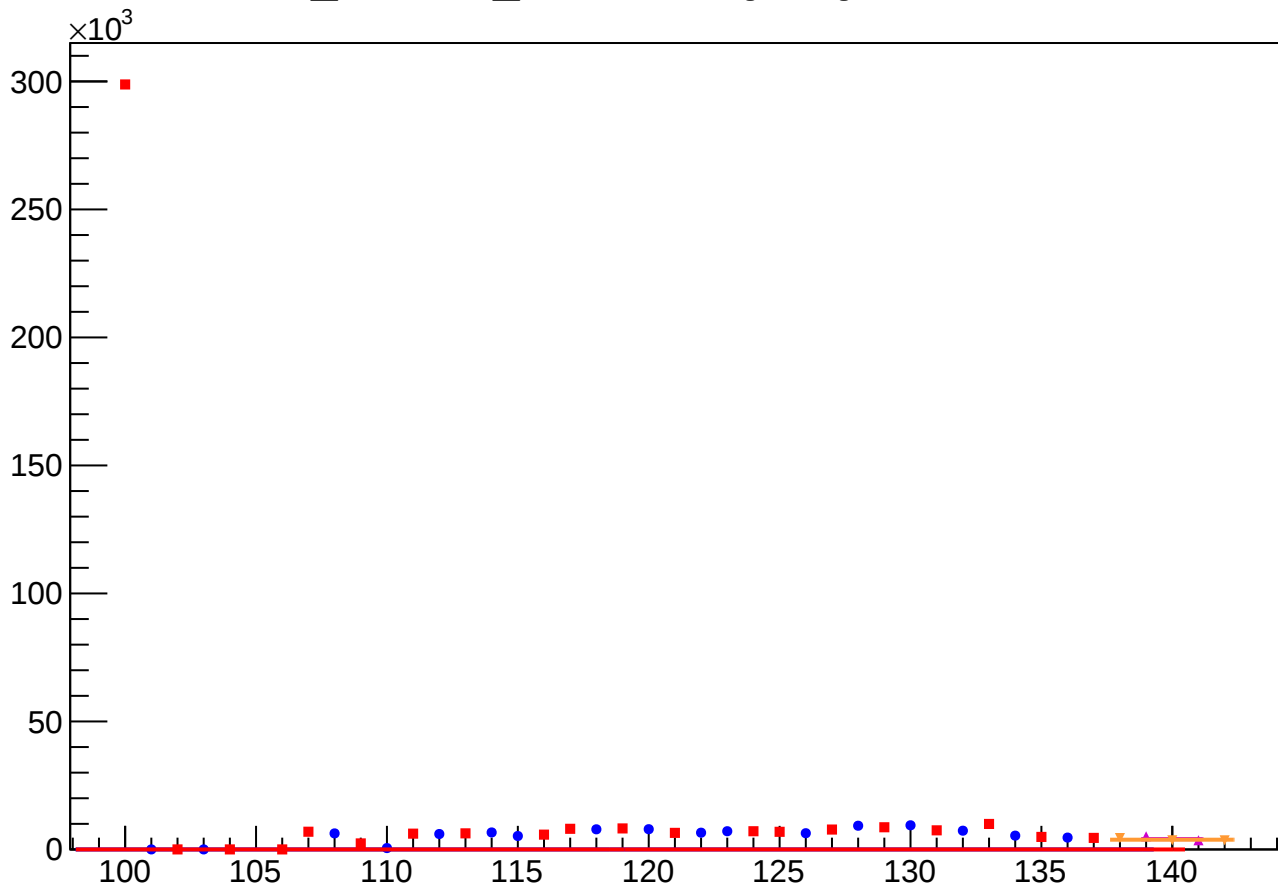
Left In: 3.086+/-3.289 χ^2/NDF : 1.1/1

-0.022+/-0.021 χ^2/NDF : 24.3/19

0.004+/-0.014 χ^2/NDF : 49.0/41

0.027+/-0.020 χ^2/NDF : 21.8/21

diff_cav4dX_rms vs Slug, Sign Corrected



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

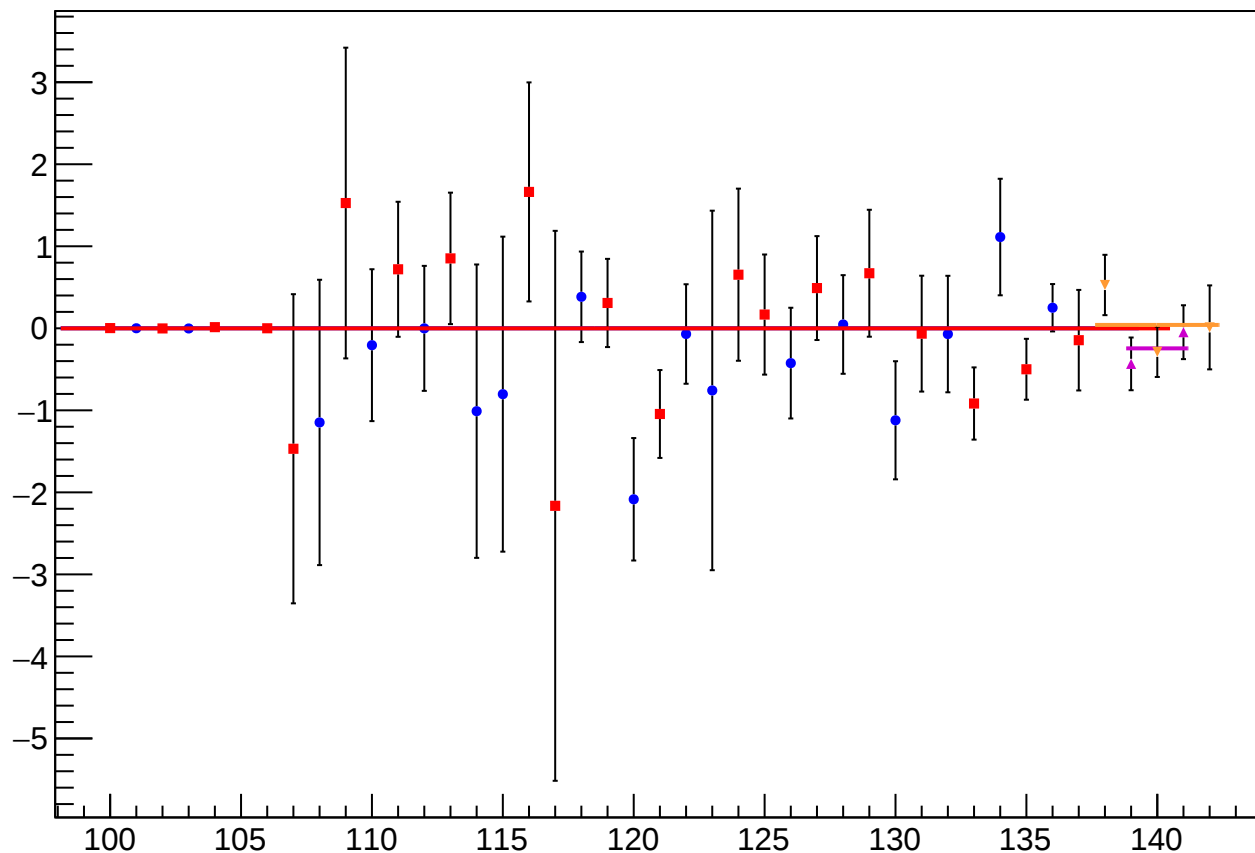
Left In: 4049.334 $\pm$ 2.326 χ^2/NDF : 91646.5/1

17.553 $\pm$ 0.015 χ^2/NDF : 14191868.6/19

17.481 $\pm$ 0.010 χ^2/NDF : 28188956.9/41

17.416 $\pm$ 0.014 χ^2/NDF : 13997042.7/21

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2/NDF : 15.6/16

Left Out: 0.041 $\pm$ 0.214 χ^2/NDF : 2.9/2

Right Out: -0.001 $\pm$ 0.002 χ^2/NDF : 18.2/19

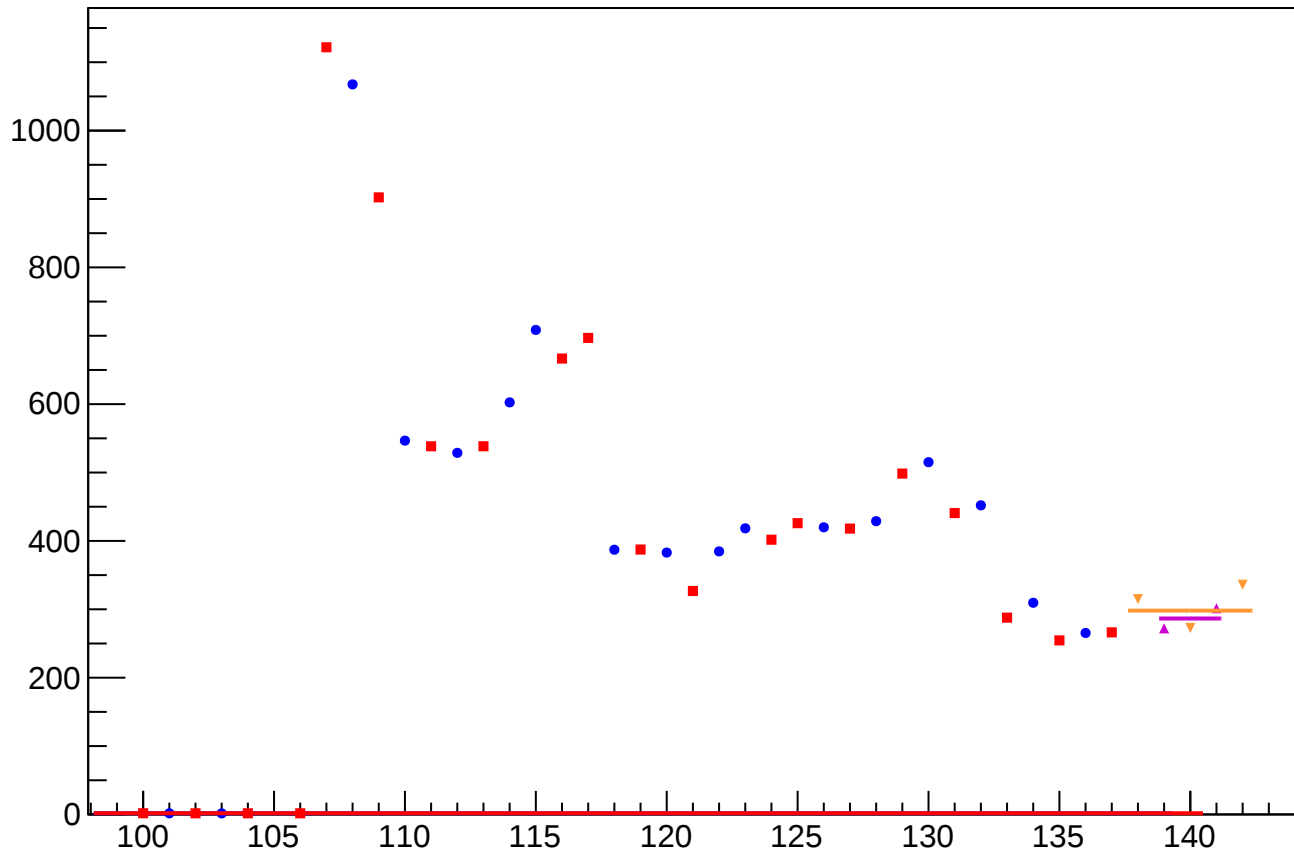
Left In: -0.245 $\pm$ 0.230 χ^2/NDF : 0.7/1

0.000 $\pm$ 0.002 χ^2/NDF : 18.6/19

-0.000 $\pm$ 0.001 χ^2/NDF : 38.8/41

-0.001 $\pm$ 0.002 χ^2/NDF : 20.1/21

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 +/- 0.001 χ^2/NDF : 10911617.0/16

Left Out: 298.062 +/- 0.151 χ^2/NDF : 28777.8/2

Right Out: 1.729 +/- 0.001 χ^2/NDF : 10822679.1/19

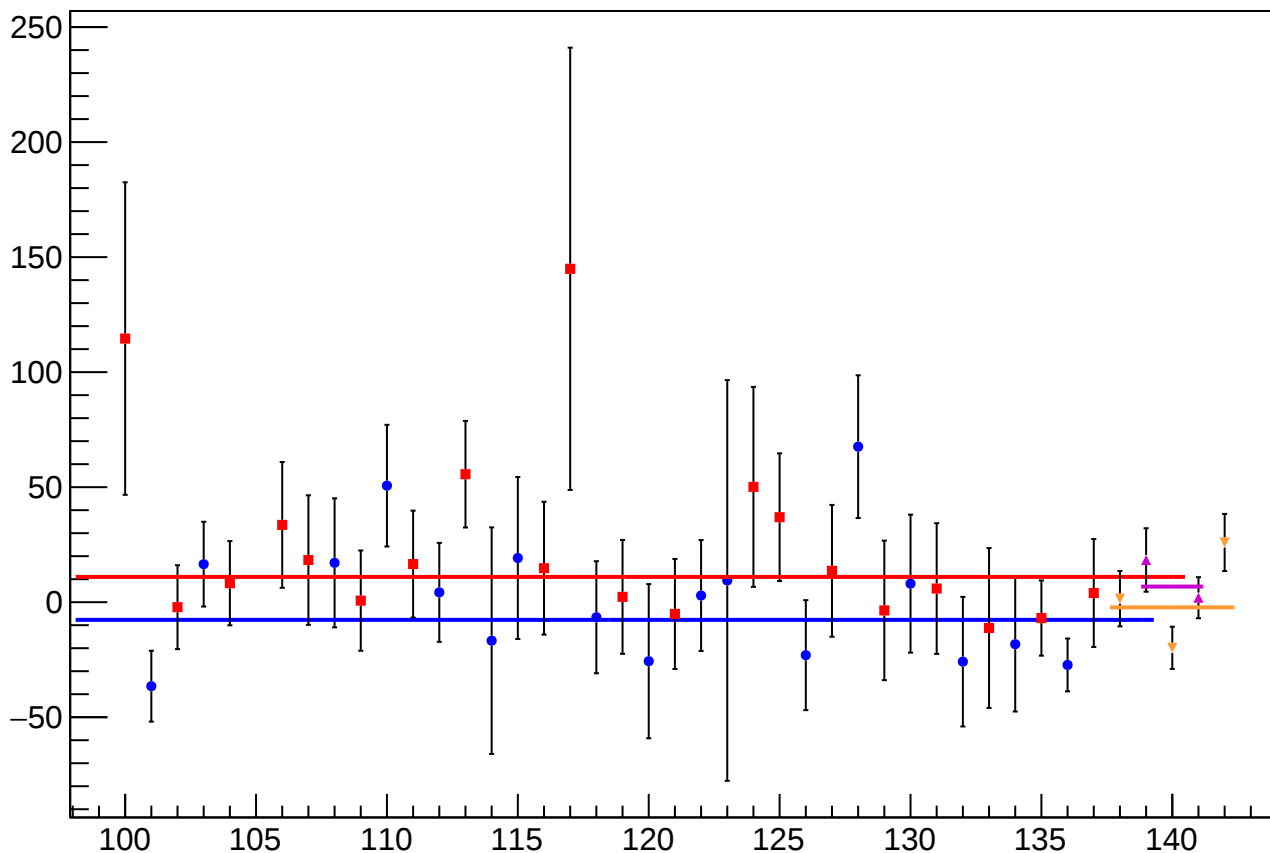
Left In: 286.548 +/- 0.162 χ^2/NDF : 8202.5/1

1.725 +/- 0.001 χ^2/NDF : 14777174.3/19

1.737 +/- 0.001 χ^2/NDF : 28684154.5/41

1.749 +/- 0.001 χ^2/NDF : 13906835.4/21

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 $\pm$ 5.627 χ^2/NDF : 22.4/16

Left Out: -2.254 $\pm$ 6.288 χ^2/NDF : 8.9/2

Right Out: 10.992 $\pm$ 5.672 χ^2/NDF : 13.8/19

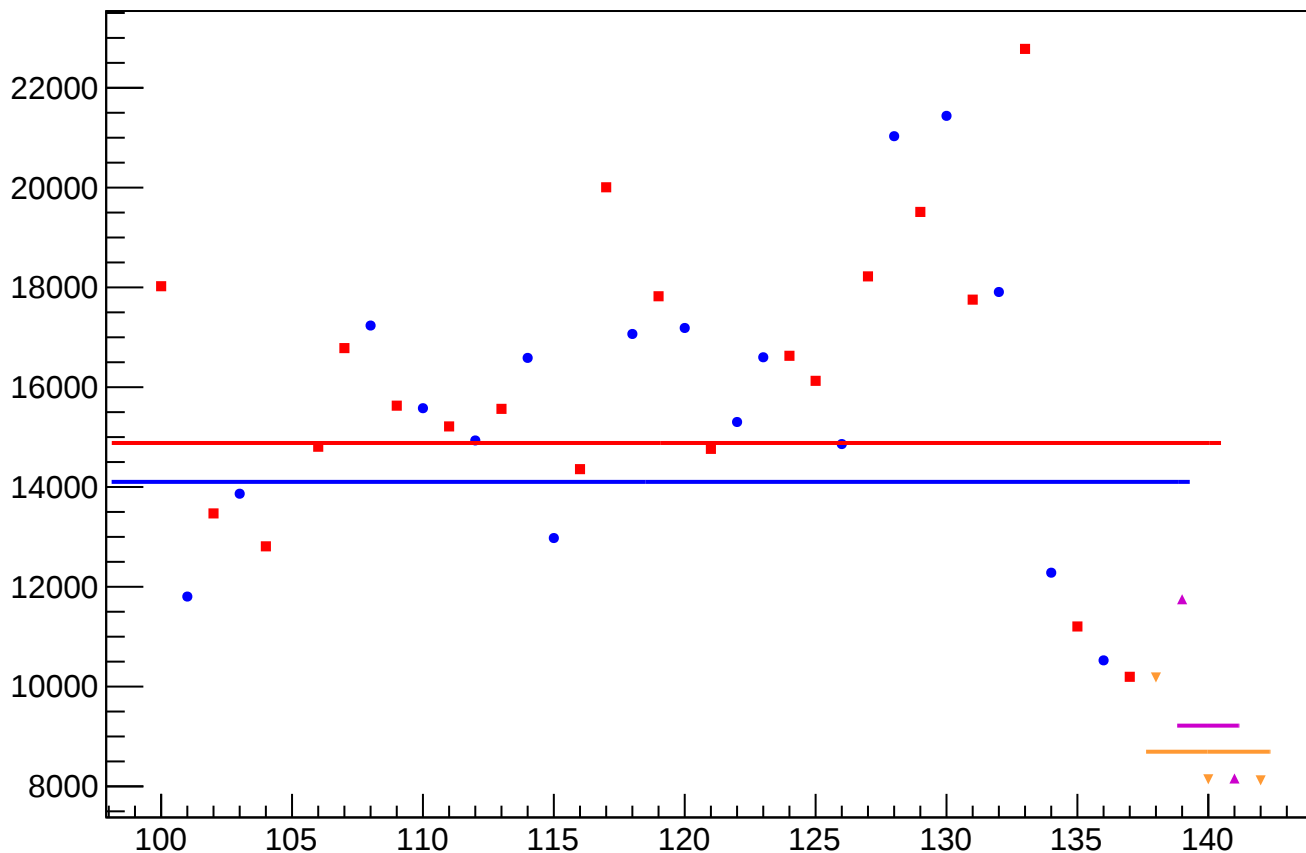
Left In: 6.787 $\pm$ 7.491 χ^2/NDF : 1.0/1

-5.268 $\pm$ 4.193 χ^2/NDF : 31.7/19

1.540 $\pm$ 3.075 χ^2/NDF : 52.4/41

9.460 $\pm$ 4.522 χ^2/NDF : 15.0/21

diff_bpm4aX_rms vs Slug, Sign Corrected



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

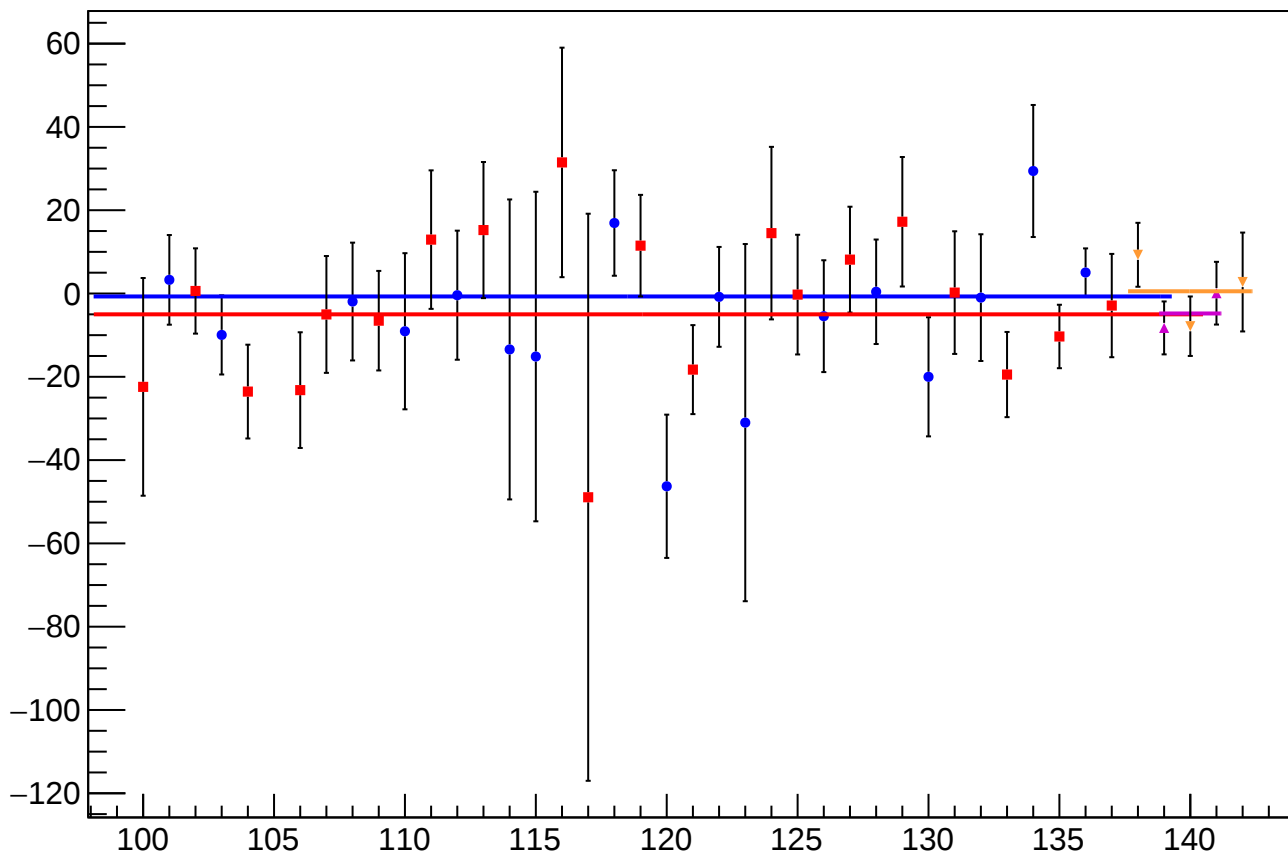
Left In: 9217.250+/-5.297 χ^2/NDF : 95602.8/1

11697.475+/-2.965 χ^2/NDF : 1462583.7/19

12215.357+/-2.174 χ^2/NDF : 2827062.2/4

12817.710+/-3.198 χ^2/NDF : 1298486.3/21

diff_bpm4aY_mean vs Slug, Sign Corrected



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

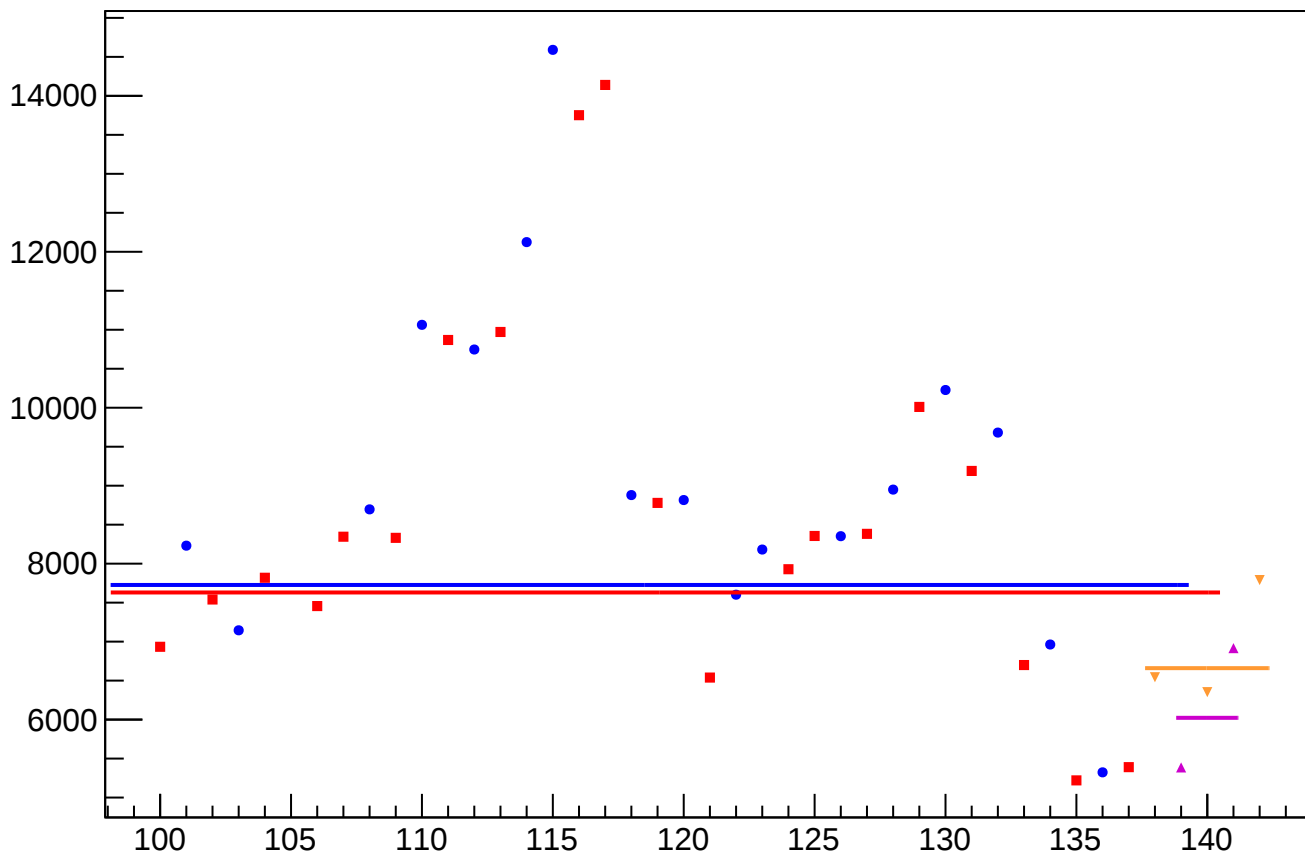
Left In: -4.794 ± 4.857 χ^2/NDF : 0.7/1

-0.343 ± 2.592 χ^2/NDF : 20.3/19

-2.715 ± 1.804 χ^2/NDF : 42.8/41

-4.945 ± 2.513 χ^2/NDF : 20.9/21

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 6659.722 $\pm$ 3.383 χ^2 /NDF: 22291.8/2

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

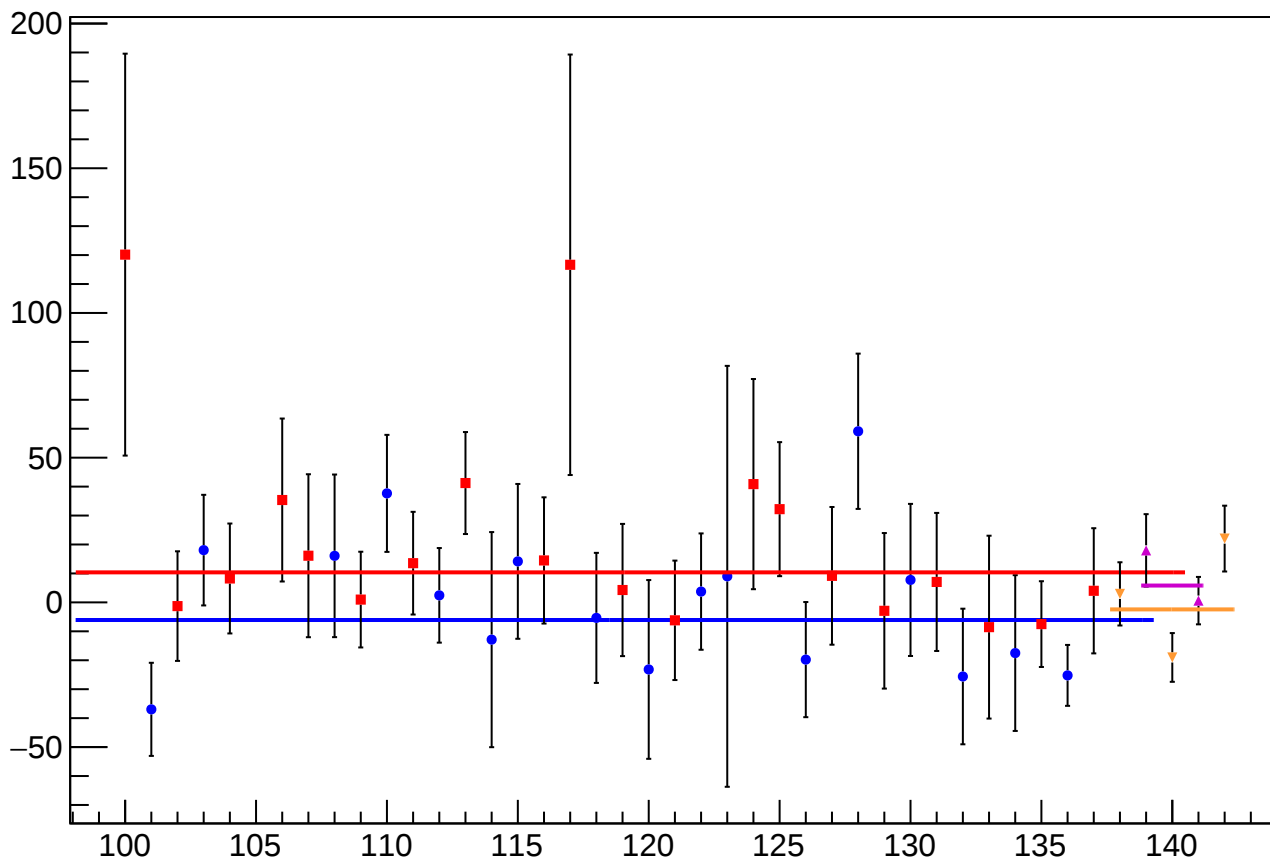
Left In: 6022.657 $\pm$ 3.434 χ^2 /NDF: 48214.1/1

7413.604 $\pm$ 1.833 χ^2 /NDF: 835088.0/19

7303.461 $\pm$ 1.276 χ^2 /NDF: 1744220.7/41

7199.911 $\pm$ 1.777 χ^2 /NDF: 902125.3/21

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 $\pm$ 5.034 χ^2/NDF : 22.9/16

Left Out: -2.427 $\pm$ 5.753 χ^2/NDF : 8.8/2

Right Out: 10.369 $\pm$ 4.992 χ^2/NDF : 13.8/19

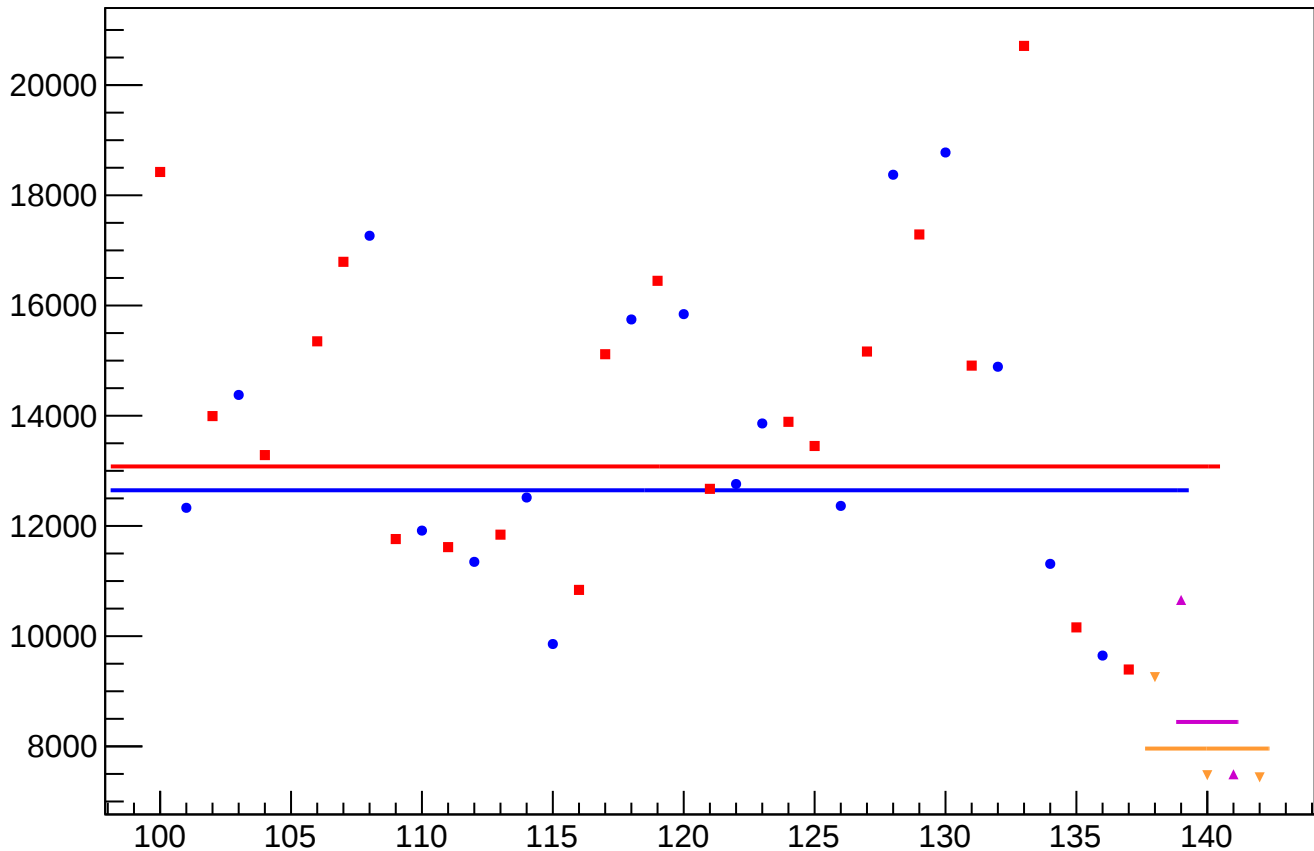
Left In: 5.813 $\pm$ 6.855 χ^2/NDF : 1.3/1

-4.503 $\pm$ 3.788 χ^2/NDF : 31.9/19

1.725 $\pm$ 2.762 χ^2/NDF : 53.1/41

8.790 $\pm$ 4.035 χ^2/NDF : 15.4/21

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2 /NDF: 554320.4/16

Left Out: 7960.347 $\pm$ 4.068 χ^2 /NDF:38965.7/2

Right Out: 13079.592 $\pm$ 3.530 χ^2 /NDF: 497851.1/19

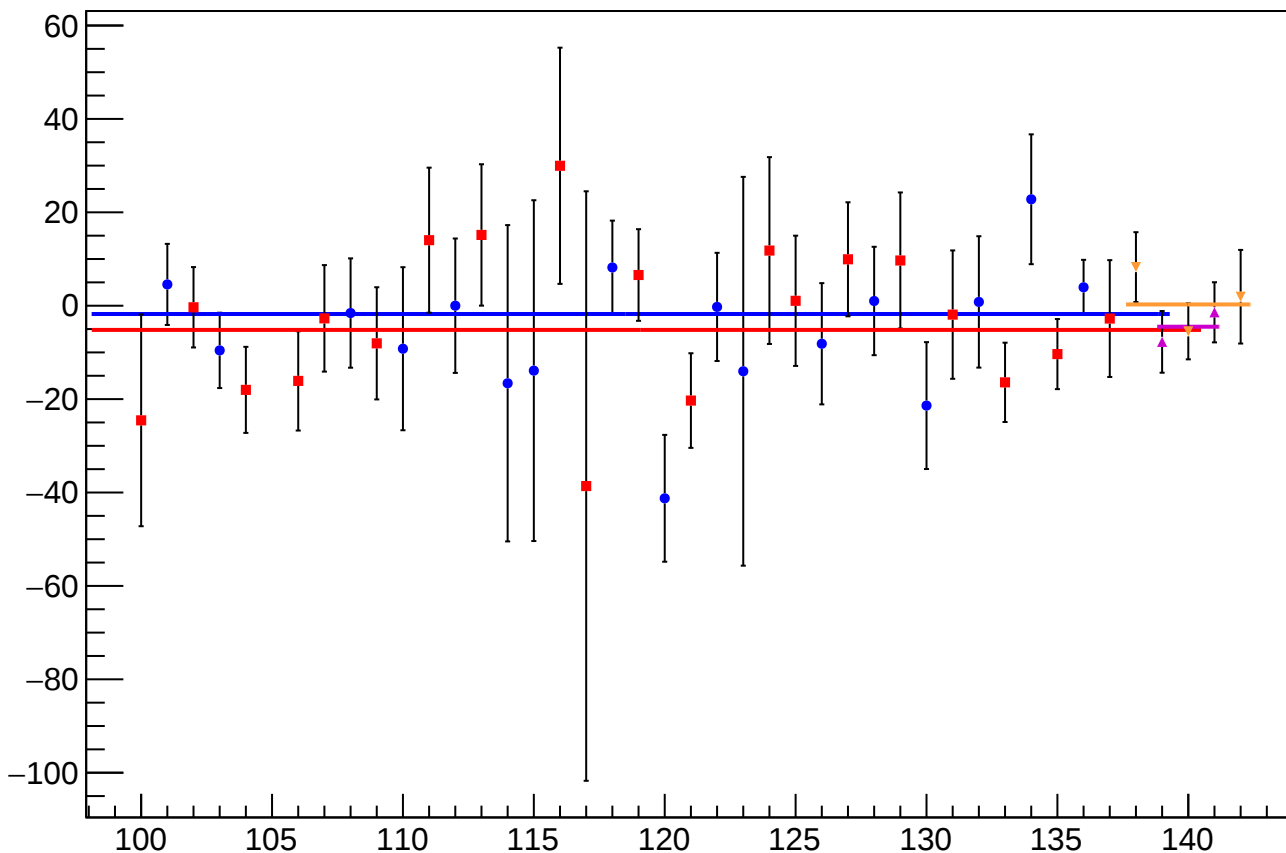
Left In: 8443.073 $\pm$ 4.847 χ^2 /NDF:89464.8/1

10614.944 $\pm$ 2.679 χ^2 /NDF: 1345140.7/19

11016.881 $\pm$ 1.953 χ^2 /NDF: 2578451.6/4

11472.915 $\pm$ 2.853 χ^2 /NDF: 1185251.8/21

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 $\pm$ 2.806 χ^2/NDF : 18.0/16

Left Out: 0.273 $\pm$ 4.240 χ^2/NDF : 2.1/2

Right Out: -5.181 $\pm$ 2.640 χ^2/NDF : 19.2/19

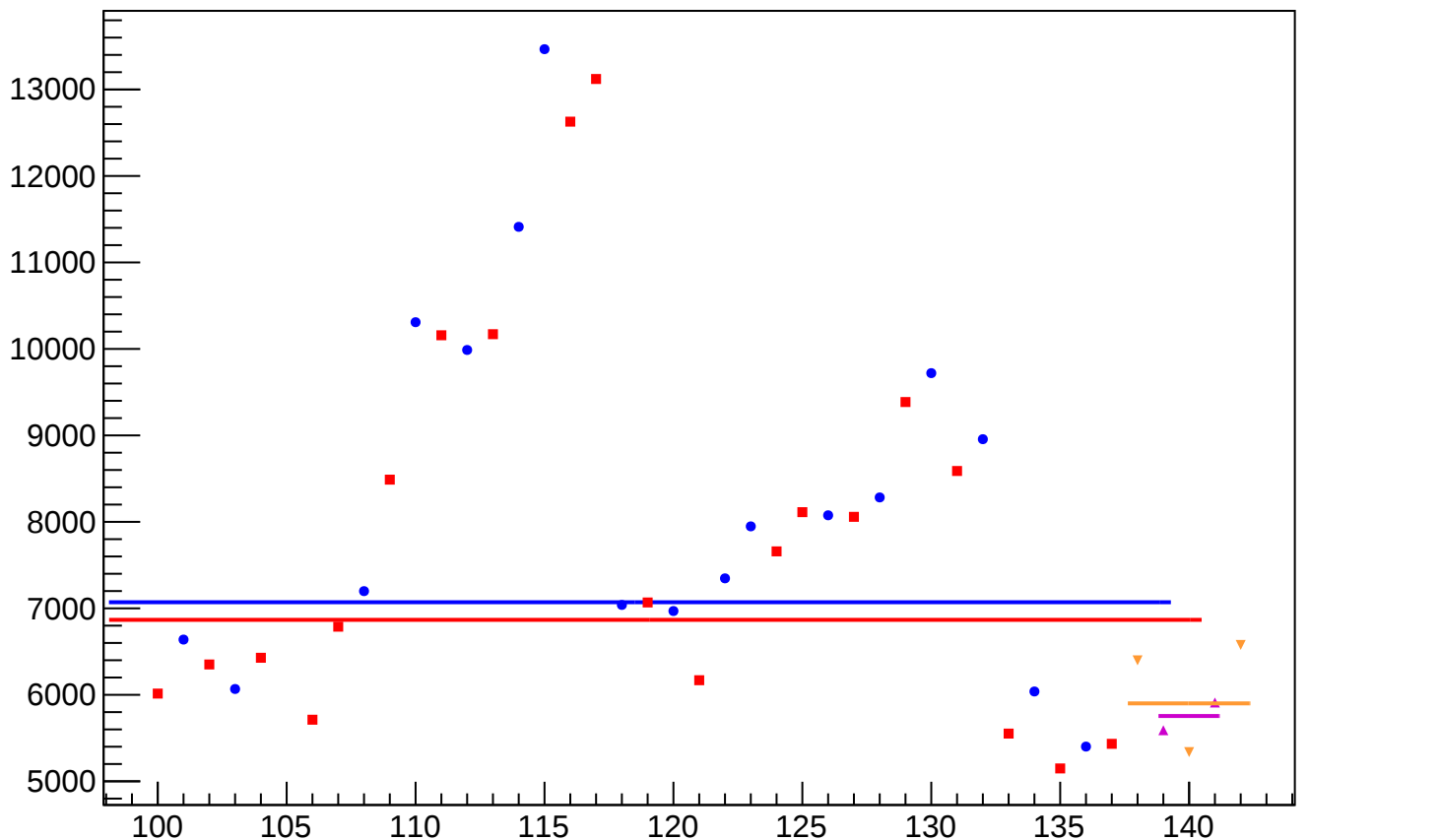
Left In: -4.496 $\pm$ 4.610 χ^2/NDF : 0.5/1

-1.153 $\pm$ 2.340 χ^2/NDF : 20.2/19

-3.123 $\pm$ 1.637 χ^2/NDF : 41.3/41

-5.011 $\pm$ 2.291 χ^2/NDF : 19.7/21

diff_bpm4eY_rms vs Slug, Sign Corrected



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

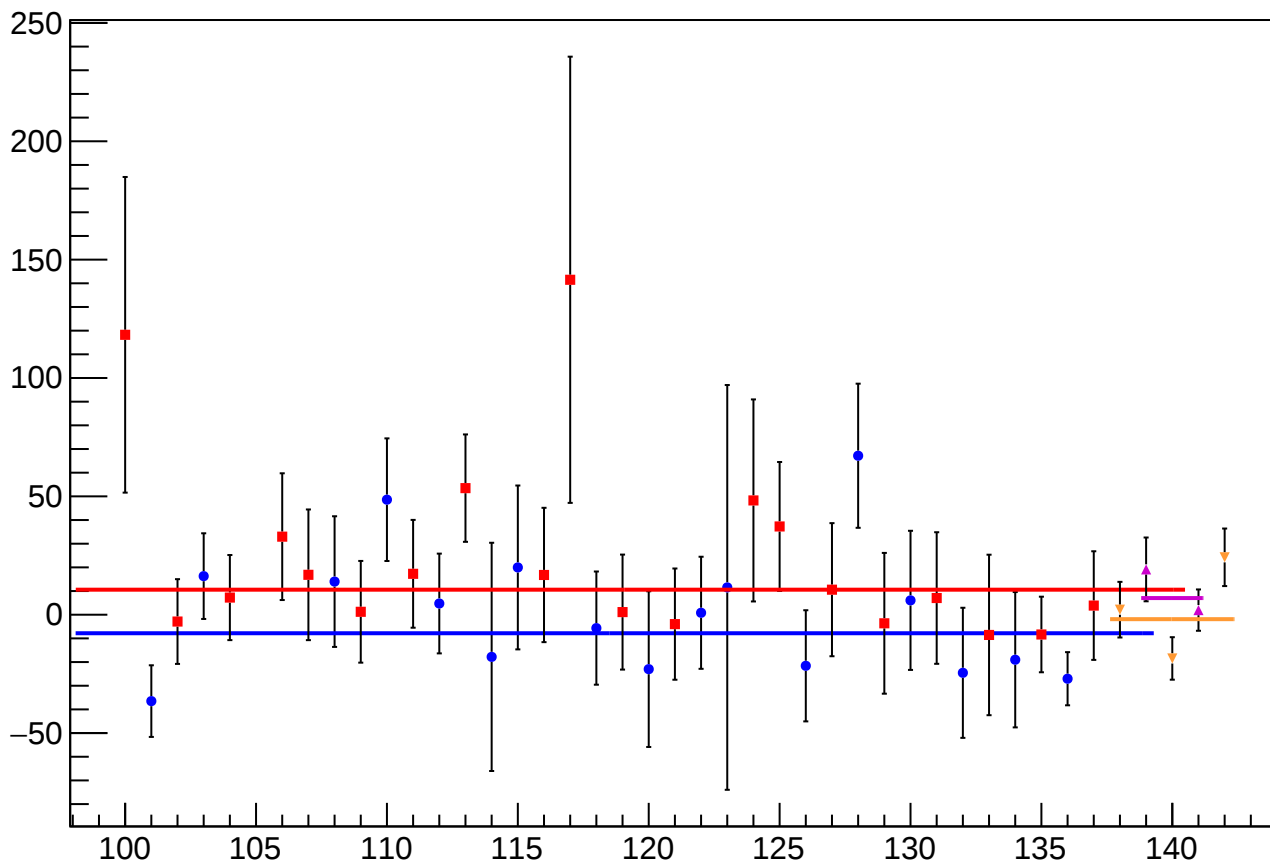
Left In: 5755.053+/-3.260 χ^2/NDF : 2414.3/1

6714.461+/-1.655 χ^2/NDF : 743095.0/19

6652.181+/-1.157 χ^2/NDF : 1537830.3/41

6592.502+/-1.620 χ^2/NDF : 791960.9/21

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 $\pm$ 5.516 χ^2/NDF : 22.3/16

Left Out: -1.881 $\pm$ 6.151 χ^2/NDF : 8.2/2

Right Out: 10.574 $\pm$ 5.561 χ^2/NDF : 14.1/19

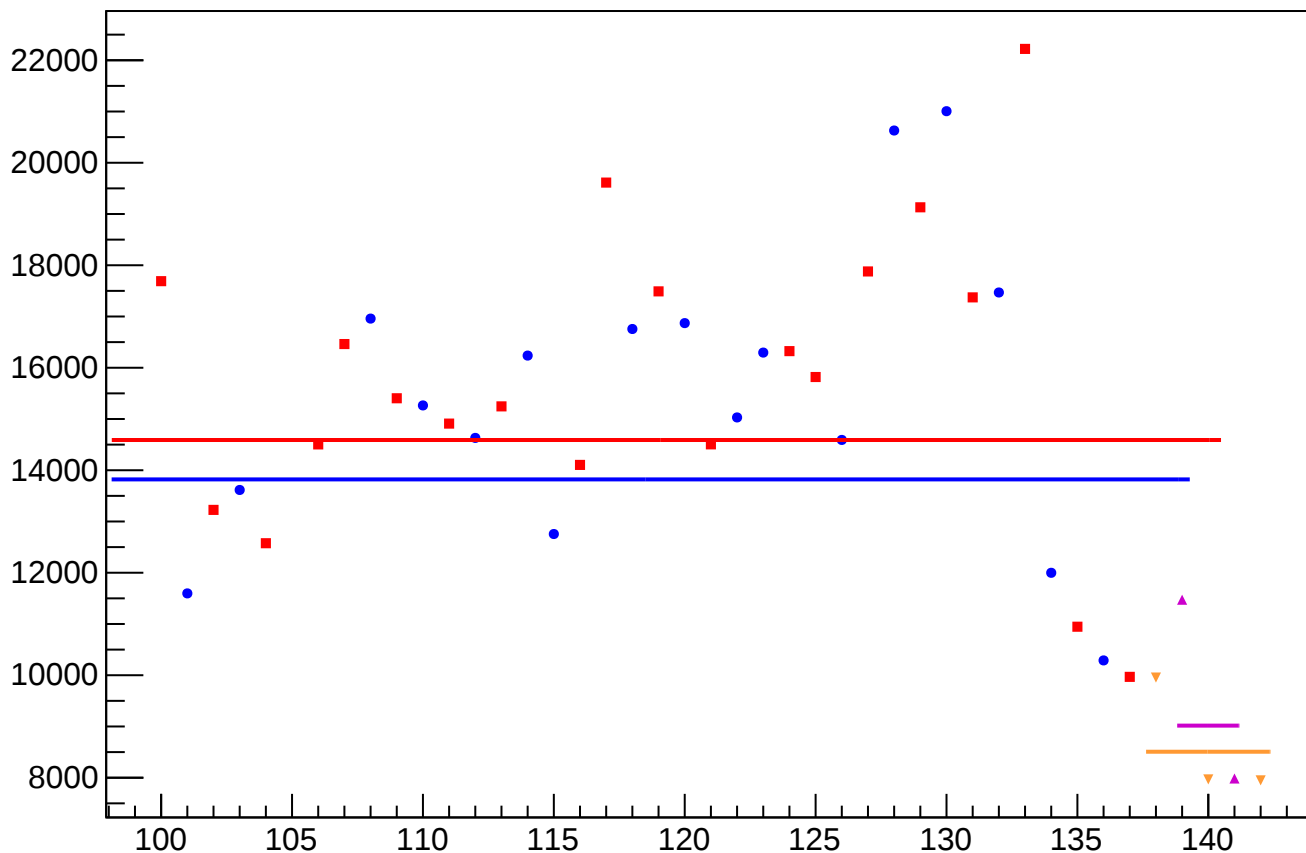
Left In: 7.032 $\pm$ 7.326 χ^2/NDF : 1.1/1

-5.176 $\pm$ 4.107 χ^2/NDF : 30.9/19

1.505 $\pm$ 3.012 χ^2/NDF : 52.1/41

9.279 $\pm$ 4.430 χ^2/NDF : 15.4/21

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 8507.259+/-4.349 χ^2/NDF : 41813.7/2

Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

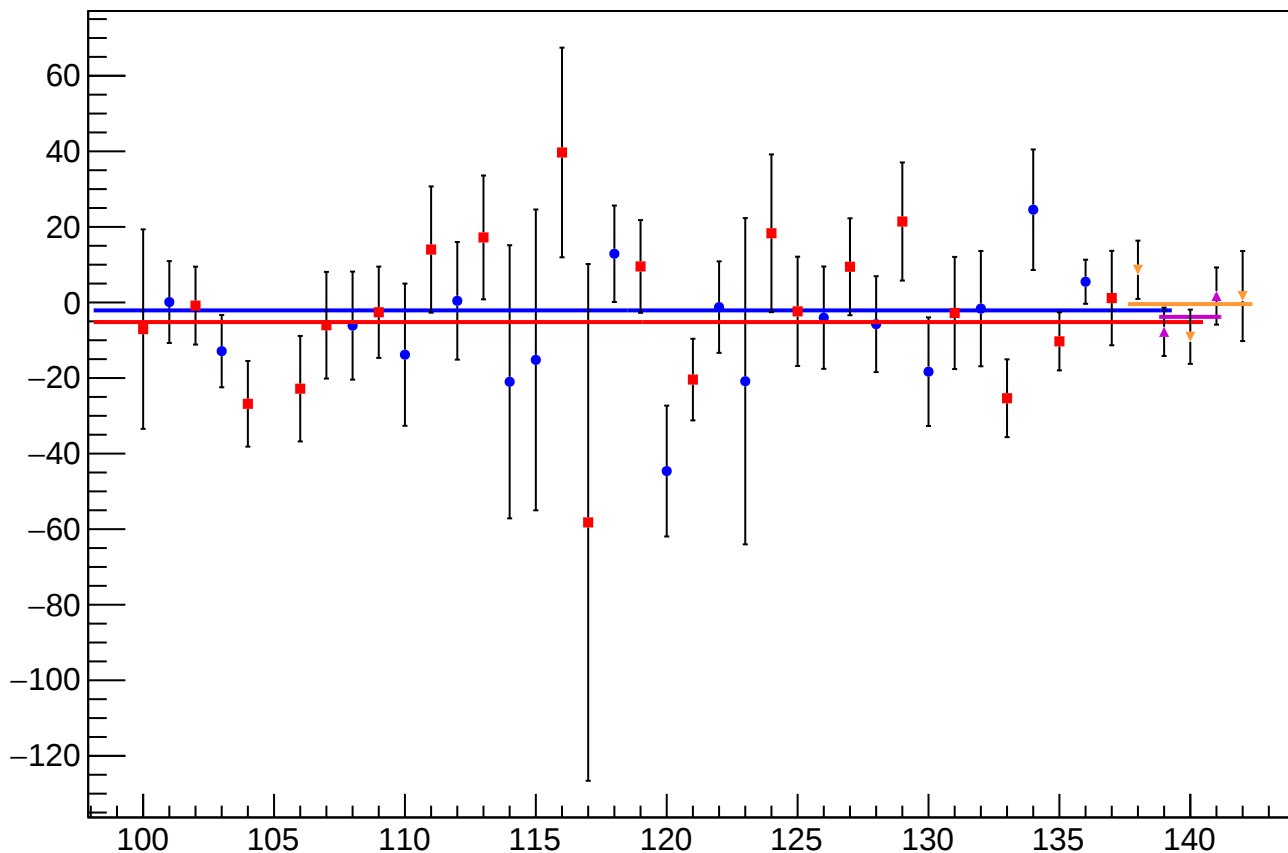
Left In: 9016.746+/-5.181 χ^2/NDF : 94446.6/1

11452.706+/-2.904 χ^2/NDF : 1471870.9/19

11961.052+/-2.129 χ^2/NDF : 2845039.3/4

12552.580+/-3.132 χ^2/NDF : 1306857.2/21

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 $\pm$ 3.106 χ^2/NDF : 15.6/16

Left Out: -0.423 $\pm$ 4.807 χ^2/NDF : 2.9/2

Right Out: -5.184 $\pm$ 2.959 χ^2/NDF : 25.4/19

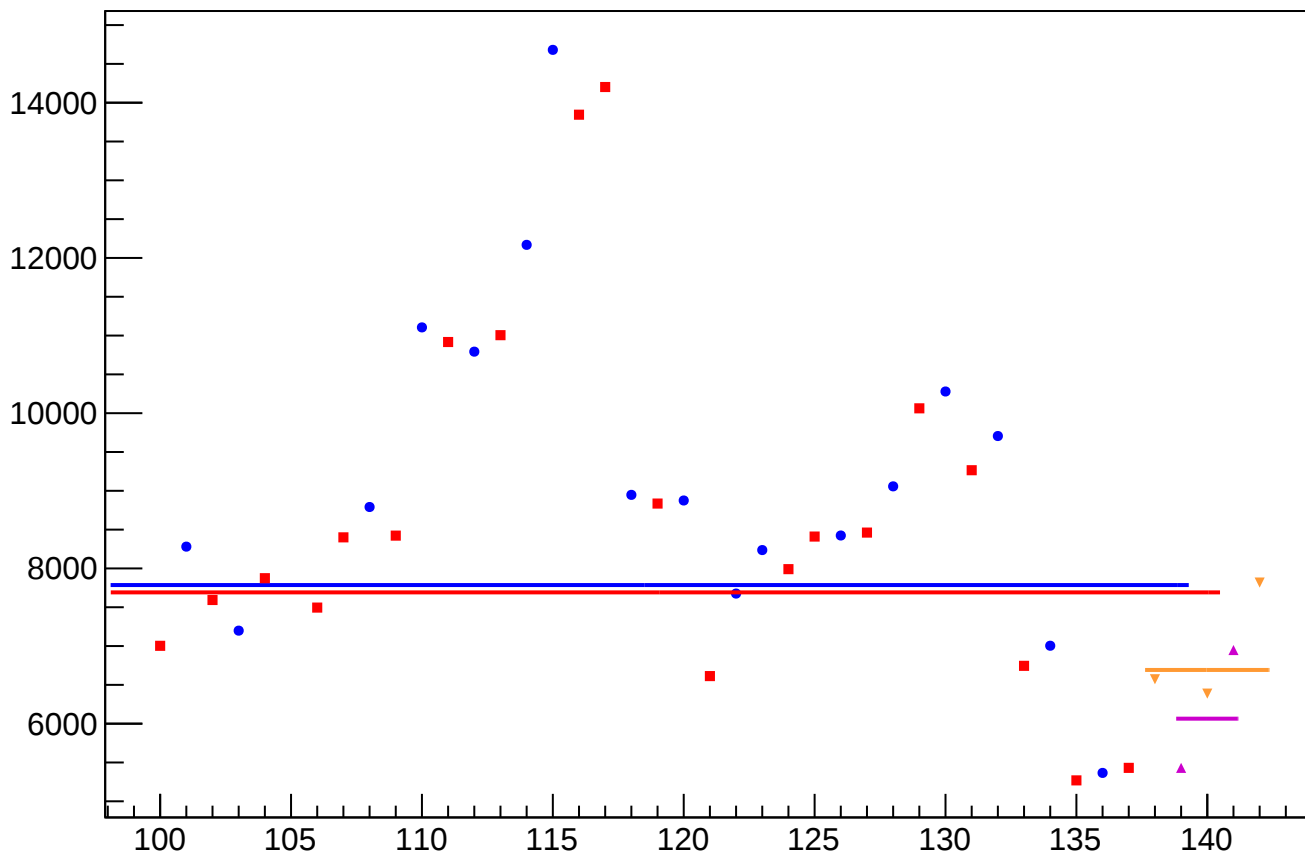
Left In: -3.816 $\pm$ 4.889 χ^2/NDF : 0.9/1

-1.604 $\pm$ 2.609 χ^2/NDF : 18.6/19

-3.259 $\pm$ 1.817 χ^2/NDF : 45.7/41

-4.817 $\pm$ 2.532 χ^2/NDF : 26.3/21

diff_bpm4acY_rms vs Slug, Sign Corrected



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

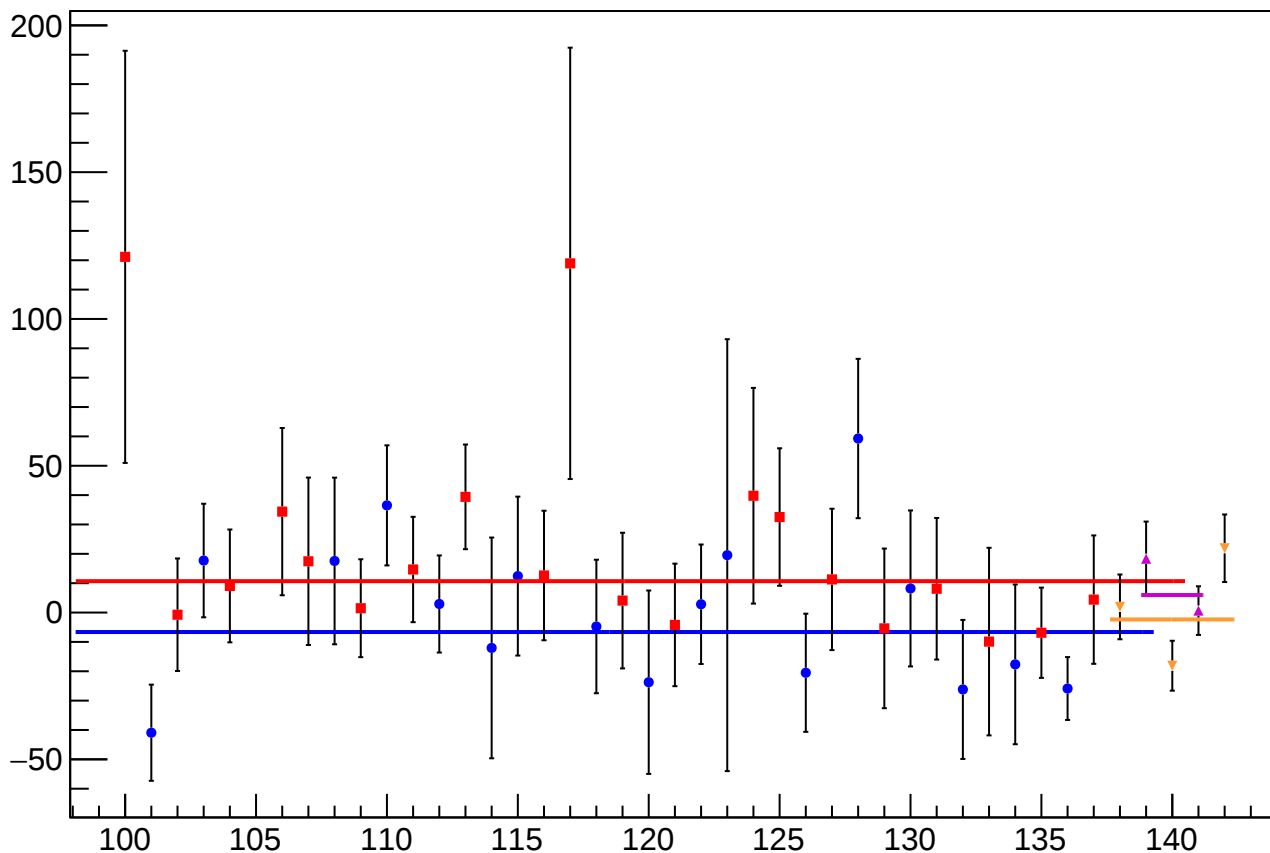
Left In: 6064.440+/-3.457 χ^2/NDF : 46884.6/1

7463.691+/-1.845 χ^2/NDF : 833105.3/19

7356.249+/-1.285 χ^2/NDF : 1735575.5/41

7255.086+/-1.790 χ^2/NDF : 895885.2/21

diff_bpm4ecX_mean vs Slug, Sign Corrected



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

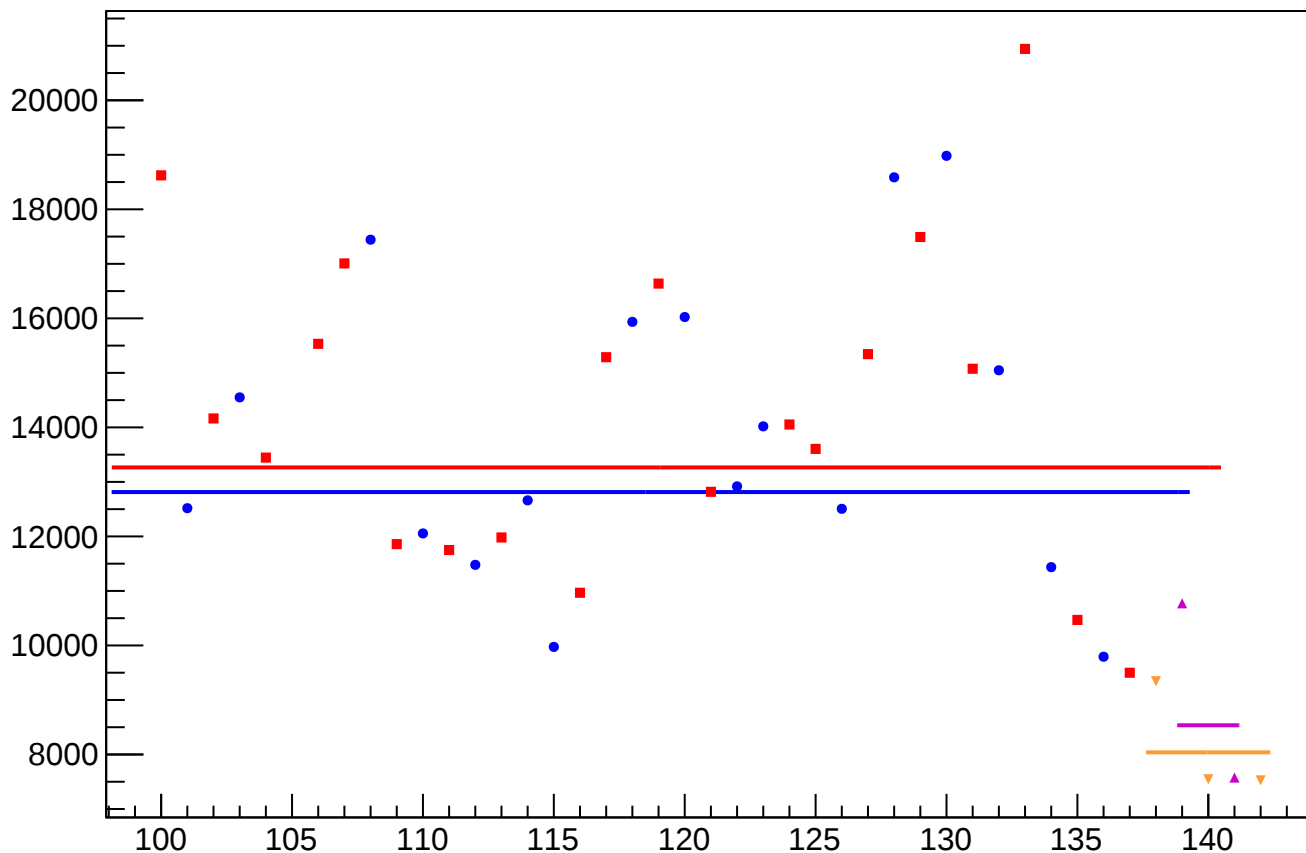
Left In: 5.968 ± 6.930 χ^2/NDF : 1.4/1

-4.769 ± 3.833 χ^2/NDF : 31.7/19

1.695 ± 2.796 χ^2/NDF : 52.5/41

9.046 ± 4.088 χ^2/NDF : 14.6/21

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8039.339+/-4.108 χ^2/NDF : 38758.5/2

Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

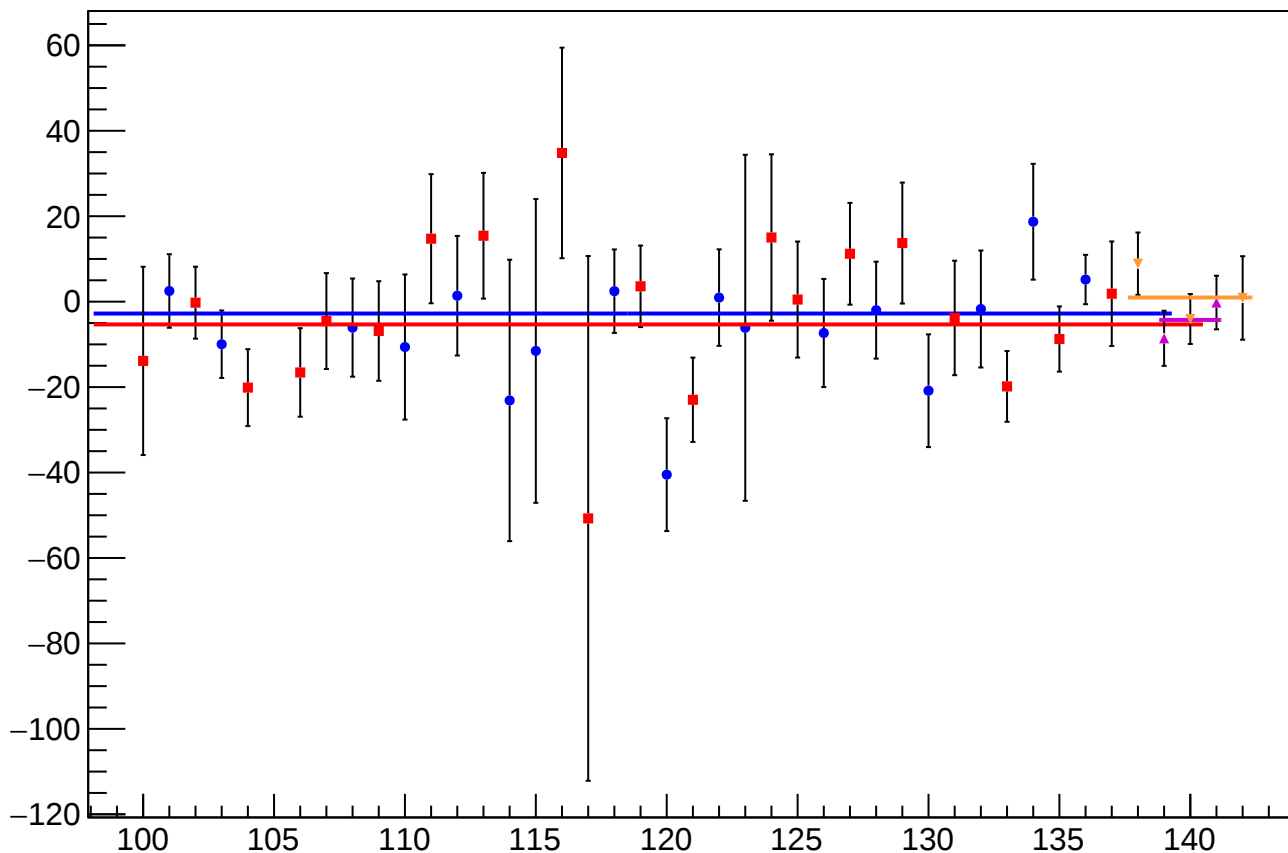
Left In: 8535.916+/-4.900 χ^2/NDF : 89375.8/1

10735.340+/-2.711 χ^2/NDF : 1349503.8/19

11149.015+/-1.977 χ^2/NDF : 2581780.0/4

11619.465+/-2.891 χ^2/NDF : 1182498.6/21

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 0.976 ± 4.137 χ^2/NDF : 1.9/2

Right Out: -5.332 ± 2.587 χ^2/NDF : 24.1/19

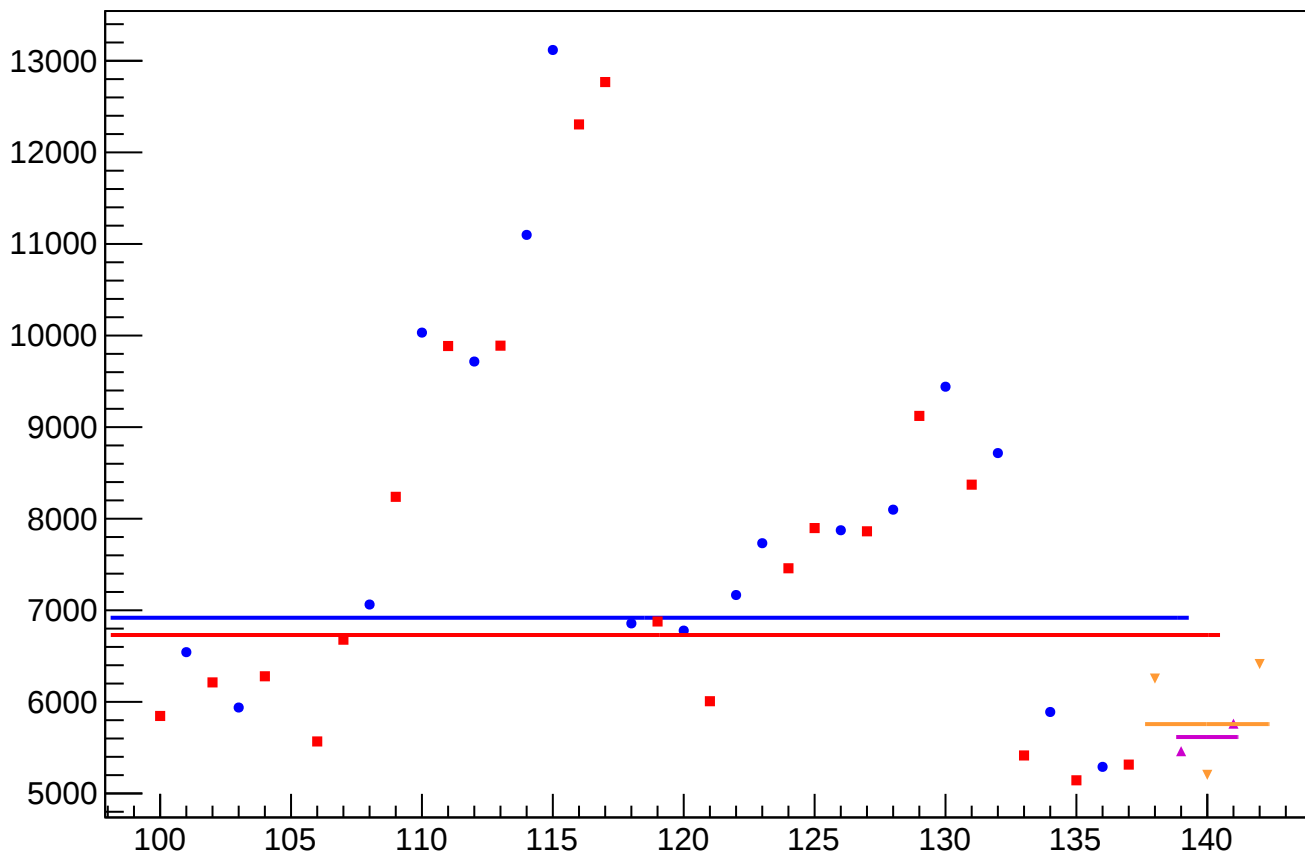
Left In: -4.275 ± 4.498 χ^2/NDF : 0.9/1

-1.630 ± 2.289 χ^2/NDF : 19.5/19

-3.384 ± 1.602 χ^2/NDF : 45.6/41

-5.070 ± 2.243 χ^2/NDF : 25.0/21

diff_bpm4ecY_rms vs Slug, Sign Corrected



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

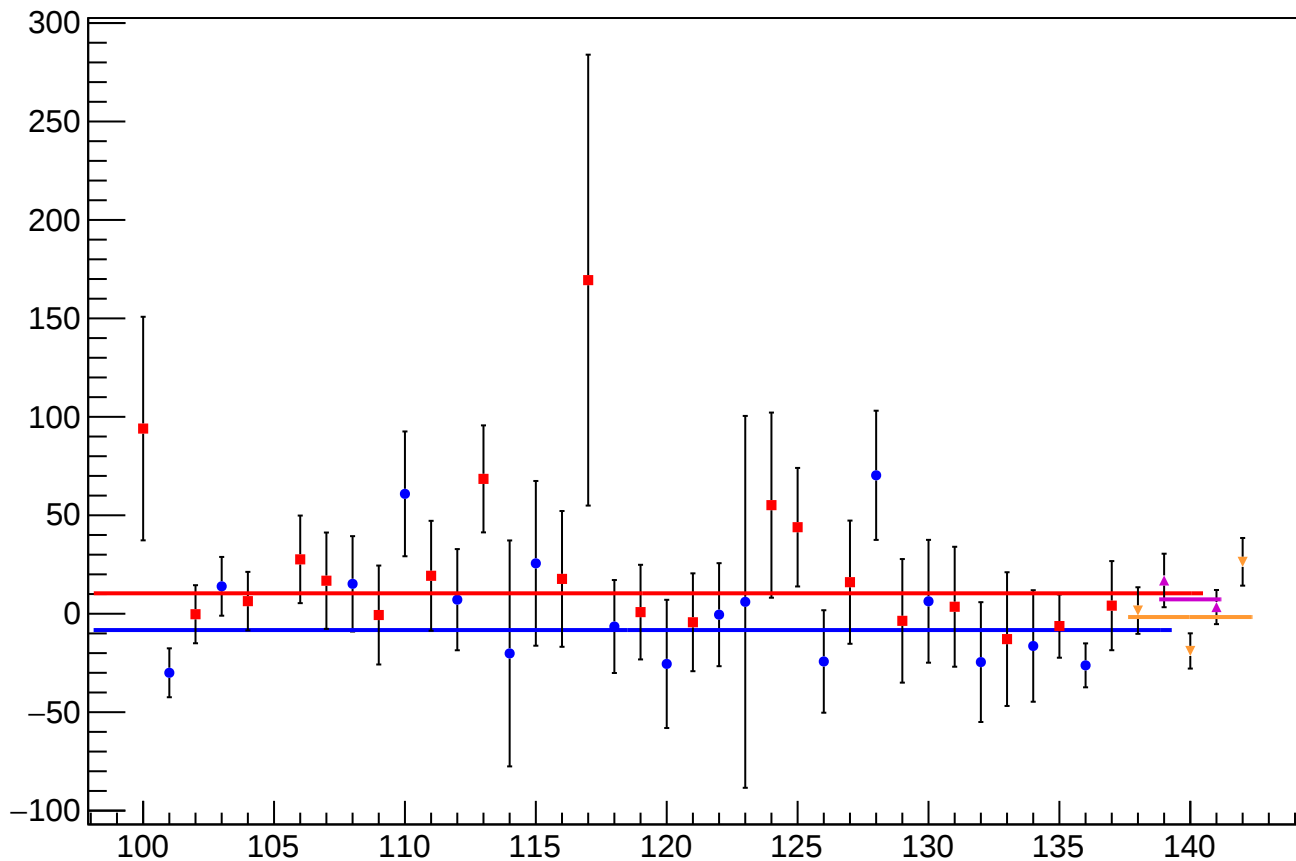
Left In: 5616.136+/-3.181 χ^2/NDF : 2233.0/1

6563.220+/-1.618 χ^2/NDF : 733529.4/19

6507.109+/-1.133 χ^2/NDF : 1503477.0/41

6453.219+/-1.586 χ^2/NDF : 767590.7/21

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: -1.675 $\pm$ 6.150 χ^2/NDF : 9.1/2

Right Out: 10.376 $\pm$ 5.507 χ^2/NDF : 14.8/19

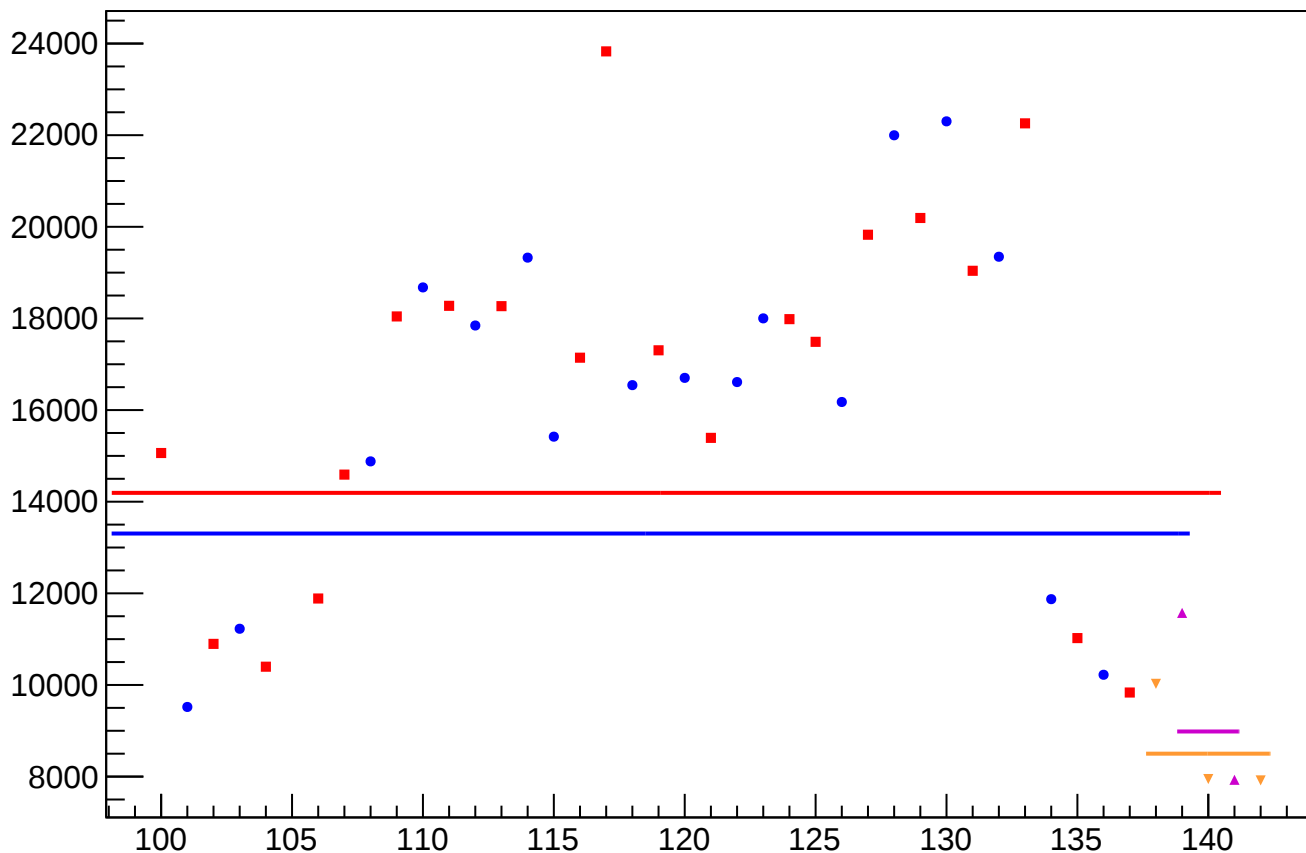
Left In: 7.299 $\pm$ 7.310 χ^2/NDF : 0.7/1

-5.402 $\pm$ 4.062 χ^2/NDF : 31.5/19

1.348 $\pm$ 2.984 χ^2/NDF : 53.2/41

9.262 $\pm$ 4.398 χ^2/NDF : 15.6/21

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2 /NDF: 1044091.1/16

Left Out: 8500.416 $\pm$ 4.348 χ^2 /NDF: 45496.4/2

Right Out: 14193.006 $\pm$ 3.894 χ^2 /NDF: 944809.1/19

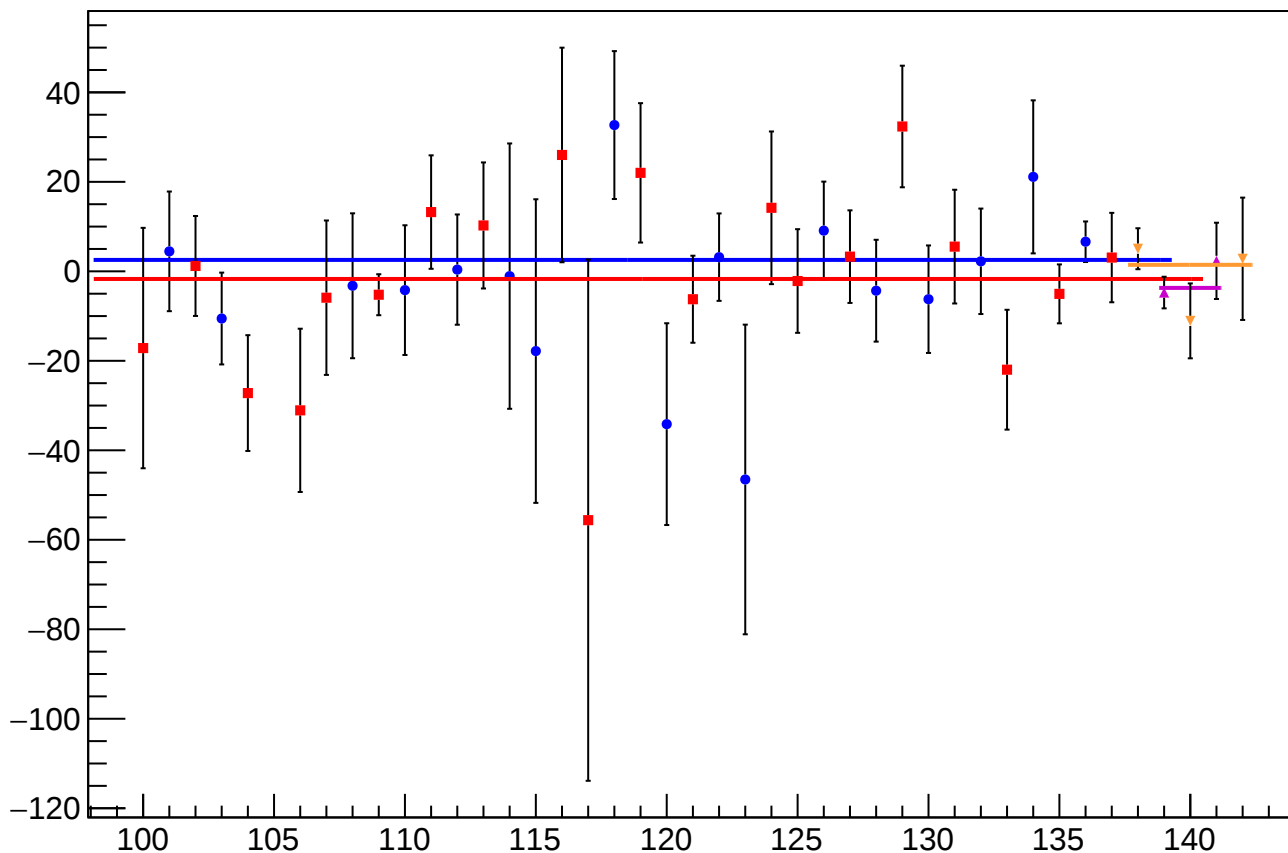
Left In: 8984.588 $\pm$ 5.169 χ^2 /NDF: 102140.3/1

11209.053 $\pm$ 2.872 χ^2 /NDF: 1777877.5/19

11714.614 $\pm$ 2.110 χ^2 /NDF: 3539883.9/4

12307.377 $\pm$ 3.110 χ^2 /NDF: 1694699.5/21

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 1.452 ± 3.855 $\chi^2/\text{NDF}: 2.9/2$

Right Out: -1.708 ± 2.440 $\chi^2/\text{NDF}: 24.9/19$

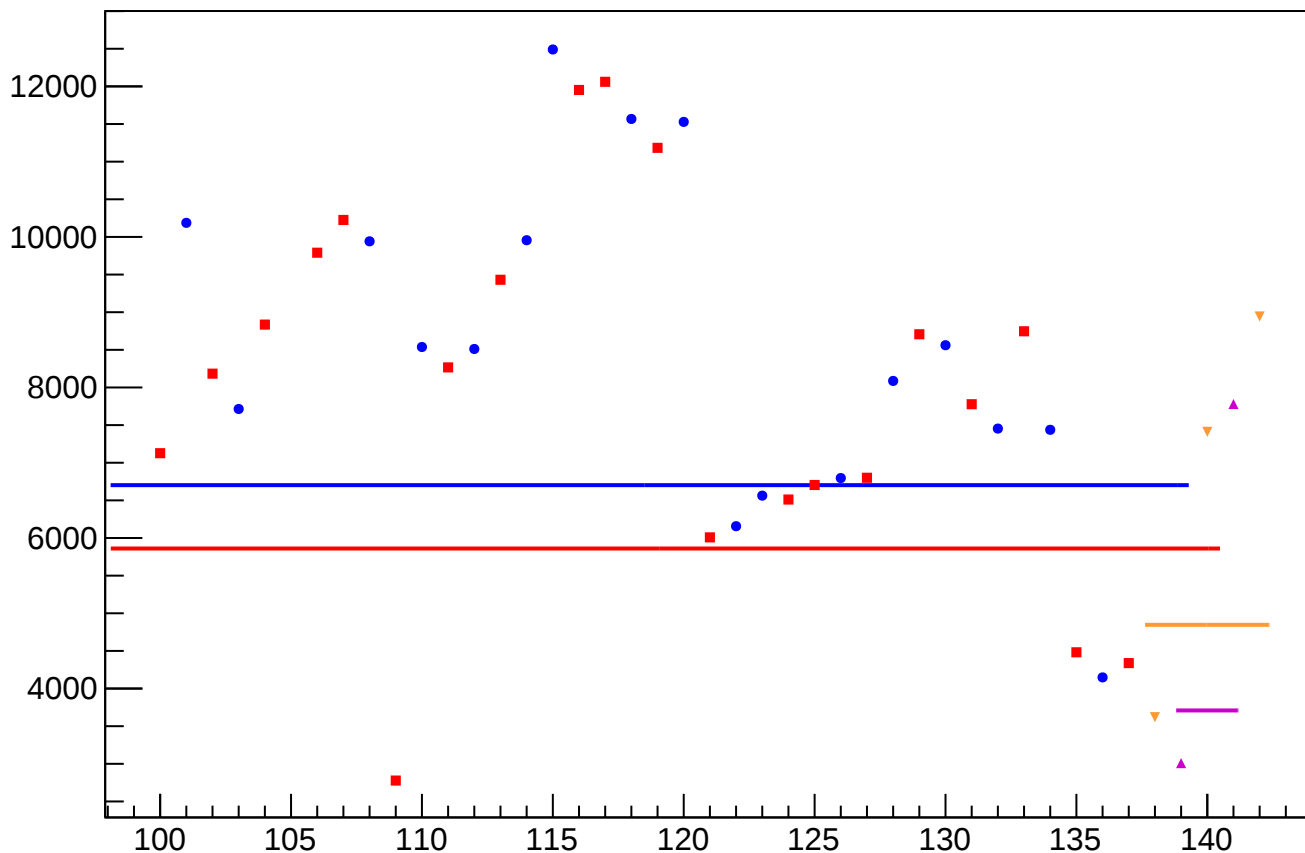
Left In: -3.704 ± 3.265 $\chi^2/\text{NDF}: 0.6/1$

2.179 ± 2.242 $\chi^2/\text{NDF}: 16.6/19$

-0.436 ± 1.473 $\chi^2/\text{NDF}: 44.6/41$

-2.423 ± 1.955 $\chi^2/\text{NDF}: 25.7/21$

diff_bpm1Y_rms vs Slug, Sign Corrected



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

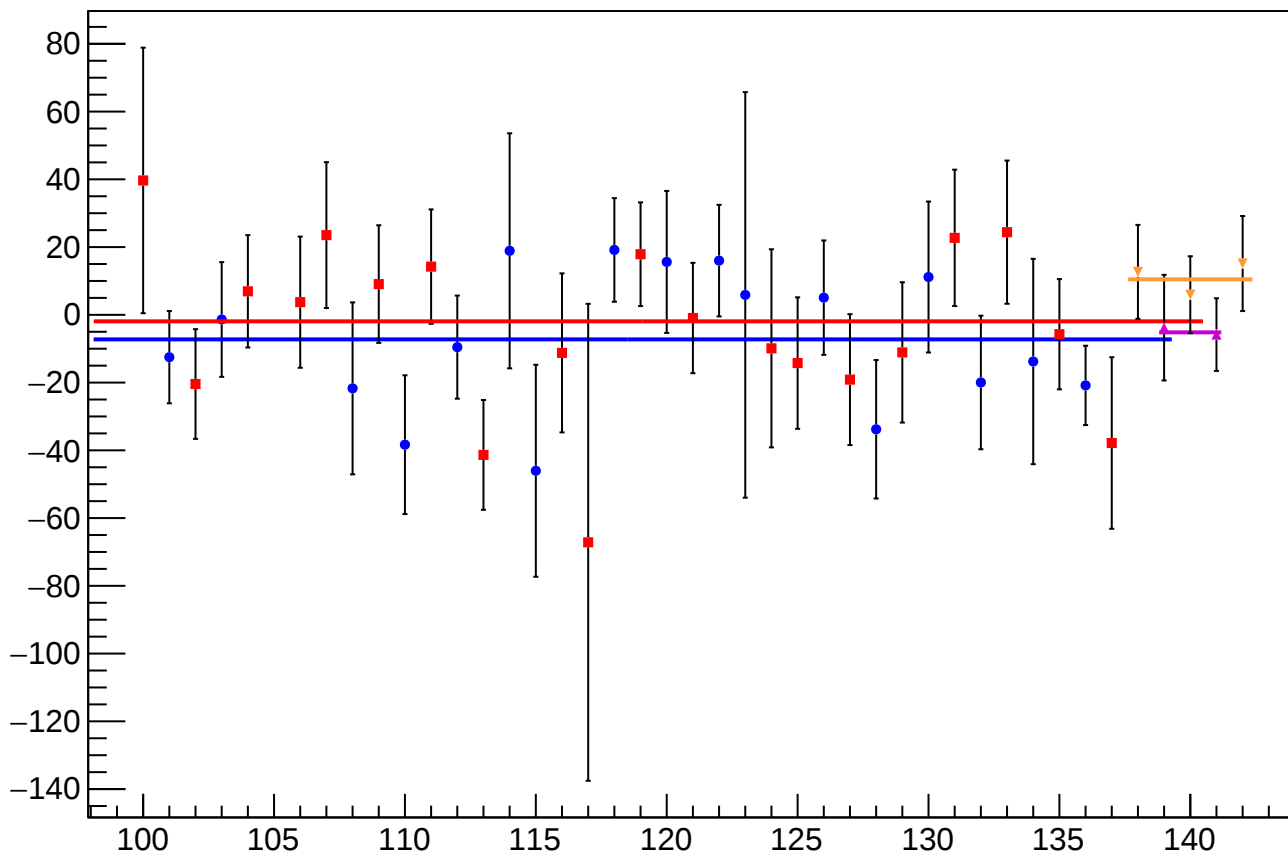
Left In: 3709.042+/-2.309 χ^2/NDF : 534594.8/1

6074.303+/-1.586 χ^2/NDF : 2207428.8/19

5514.625+/-1.042 χ^2/NDF : 5819692.5/41

5089.390+/-1.382 χ^2/NDF : 3393001.5/21

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: 10.475 $\pm$ 7.445 χ^2/NDF : 0.3/2

Right Out: -1.922 $\pm$ 4.365 χ^2/NDF : 20.7/19

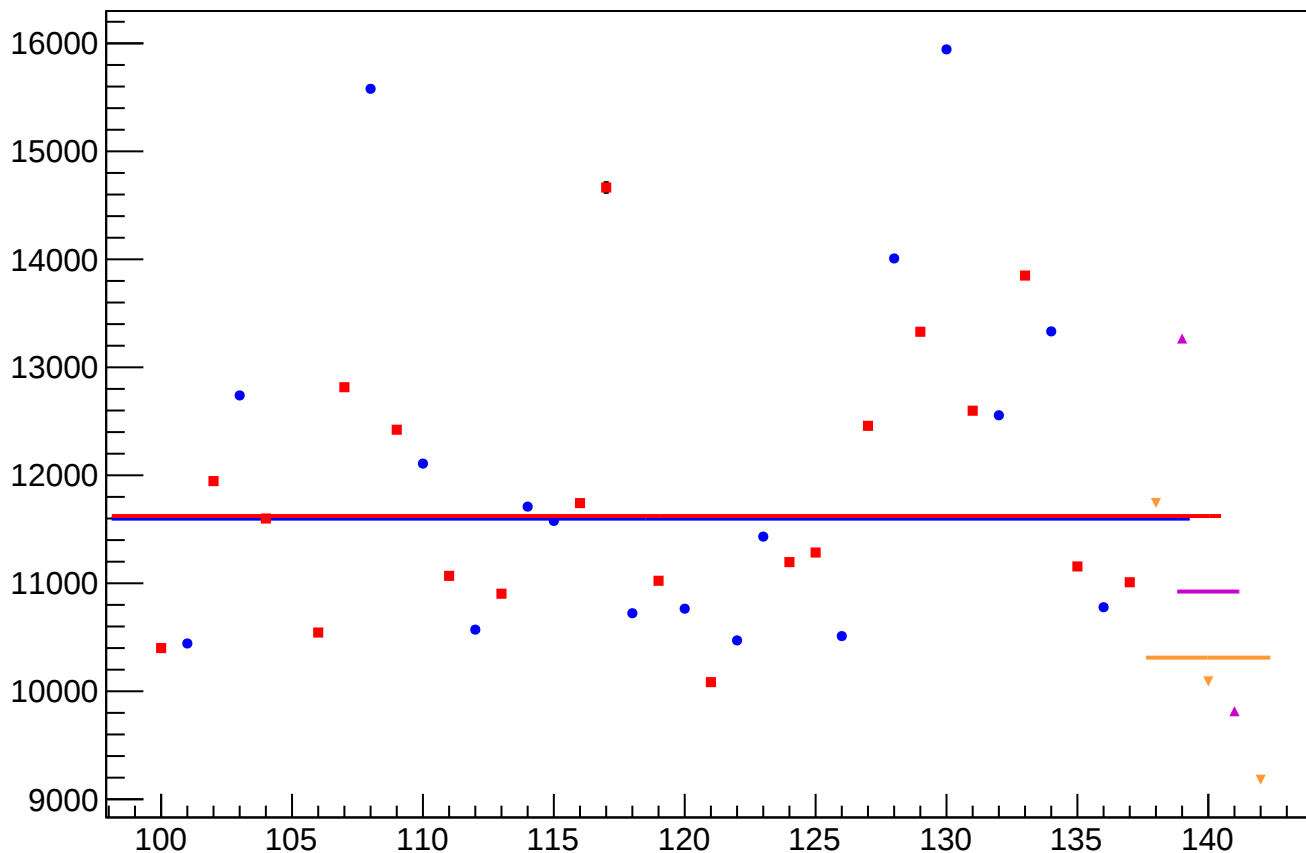
Left In: -5.177 $\pm$ 8.835 χ^2/NDF : 0.0/1

-2.431 $\pm$ 3.880 χ^2/NDF : 20.4/19

-2.496 $\pm$ 2.755 χ^2/NDF : 41.2/41

-2.561 $\pm$ 3.913 χ^2/NDF : 20.8/21

diff_bpm11X_rms vs Slug, Sign Corrected



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

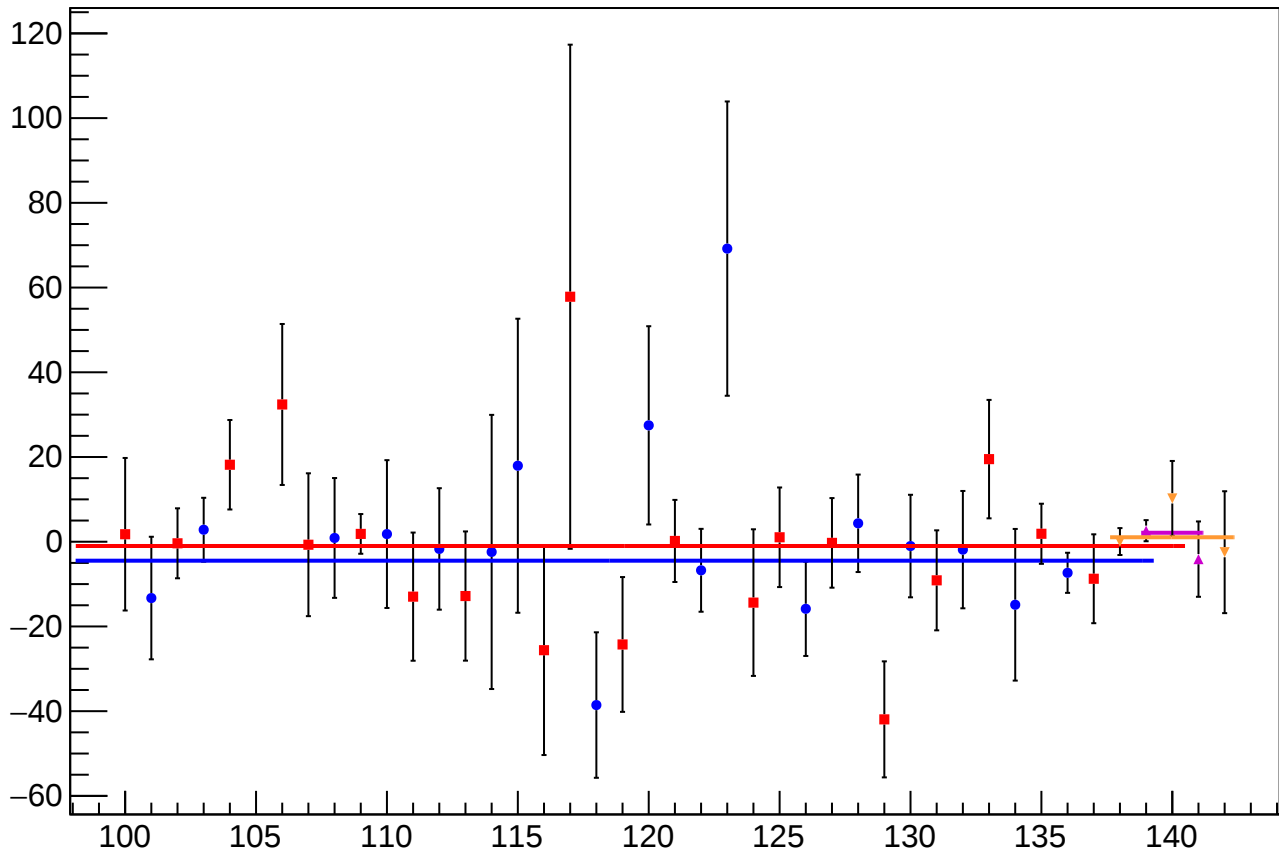
Left In: 10923.499+/-6.247 χ^2/NDF : 66532.9/1

11249.036+/-2.744 χ^2/NDF : 314038.4/19

11366.284+/-1.948 χ^2/NDF : 492519.8/41

11485.513+/-2.767 χ^2/NDF : 174798.8/21

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

Left Out: 1.054 $\pm$ 2.928 χ^2/NDF : 1.2/2

Right Out: -1.007 $\pm$ 2.427 χ^2/NDF : 25.0/19

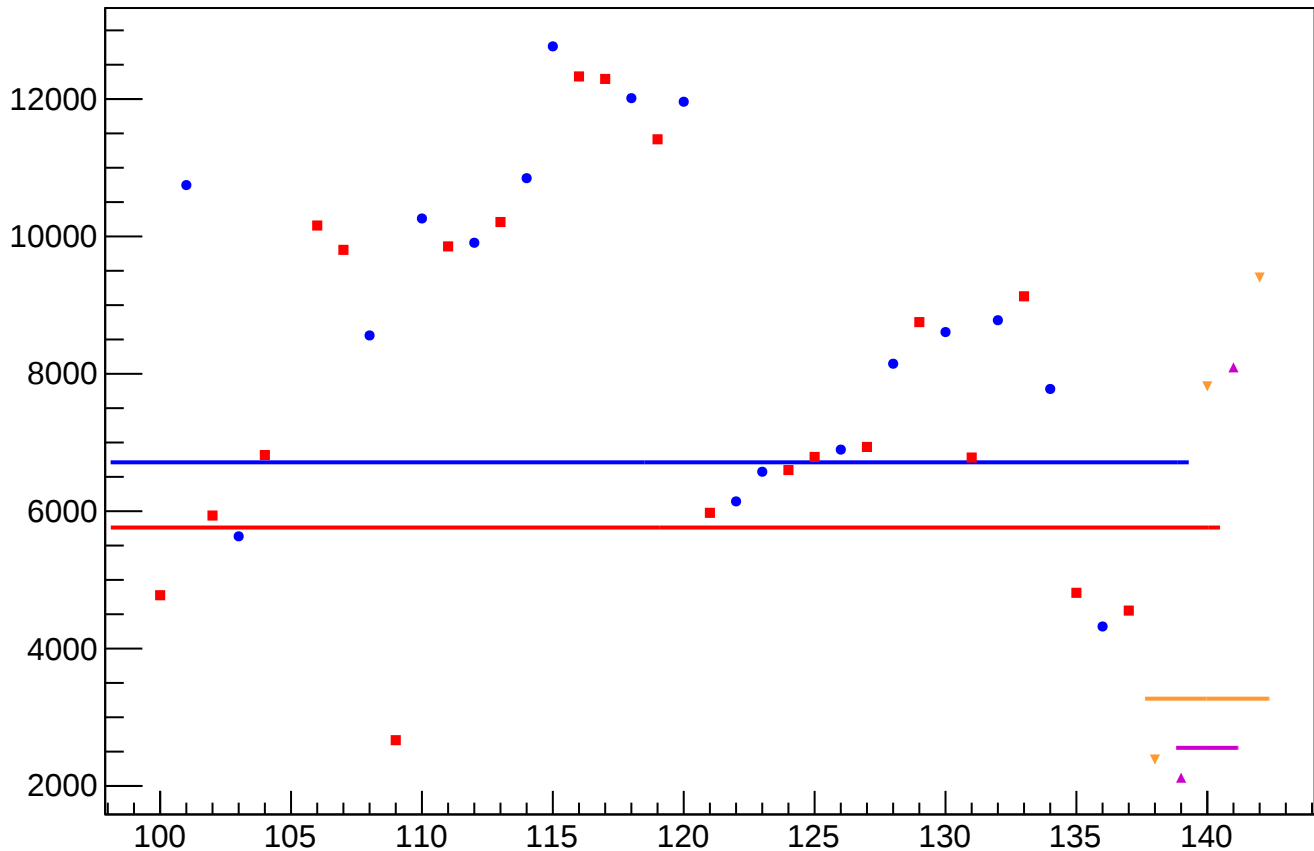
Left In: 2.118 $\pm$ 2.399 χ^2/NDF : 0.5/1

-1.852 $\pm$ 2.017 χ^2/NDF : 18.0/19

-0.438 $\pm$ 1.302 χ^2/NDF : 45.2/41

0.574 $\pm$ 1.706 χ^2/NDF : 26.4/21

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 +/- 1.967 χ^2/NDF : 1446972.0/16

Left Out: 3270.799 +/- 2.070 χ^2/NDF : 1047253.2/2

Right Out: 5762.387 +/- 1.716 χ^2/NDF : 2189239.7/19

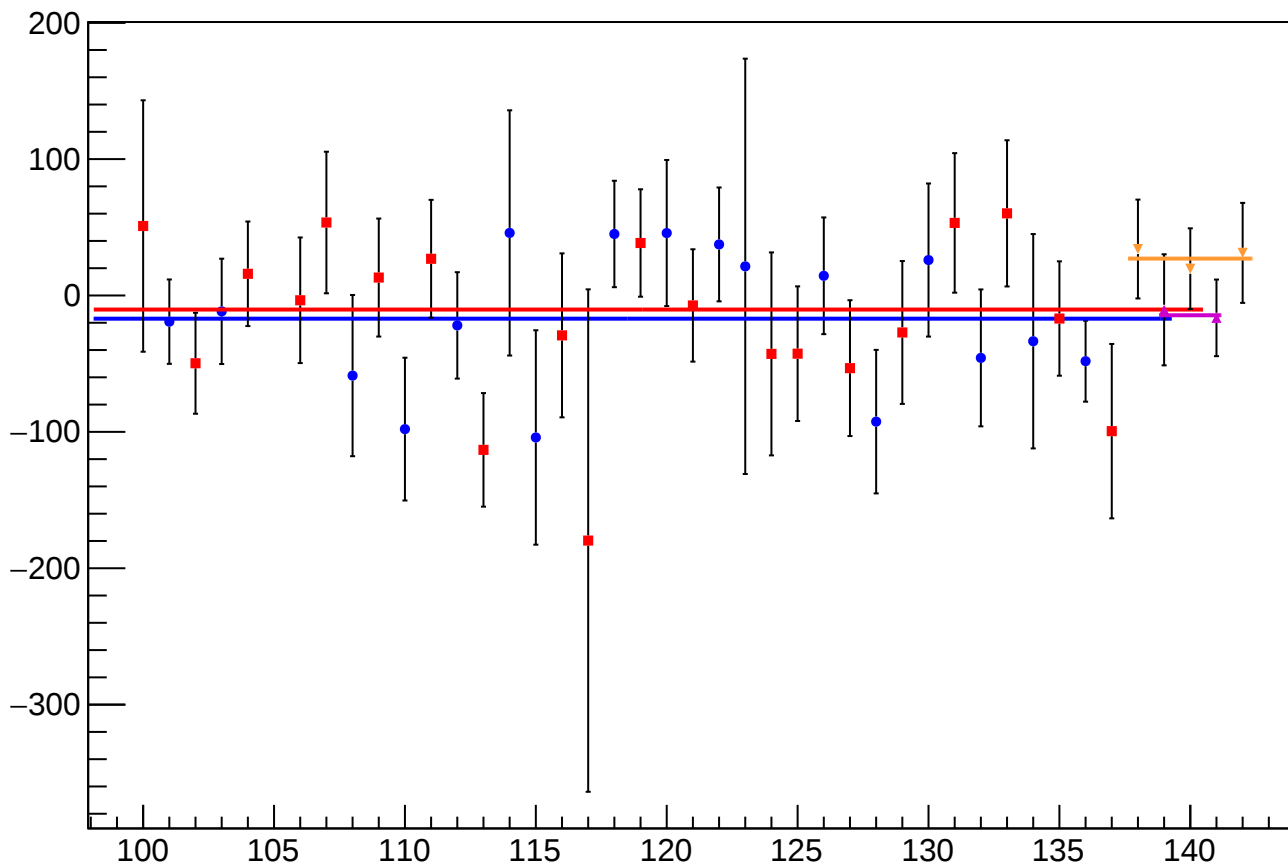
Left In: 2555.123 +/- 1.696 χ^2/NDF : 836531.1/1

5079.124 +/- 1.426 χ^2/NDF : 3945997.6/19

4531.744 +/- 0.921 χ^2/NDF : 8991456.3/41

4139.981 +/- 1.206 χ^2/NDF : 4792640.2/21

diff_bpm12X_mean vs Slug, Sign Corrected



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

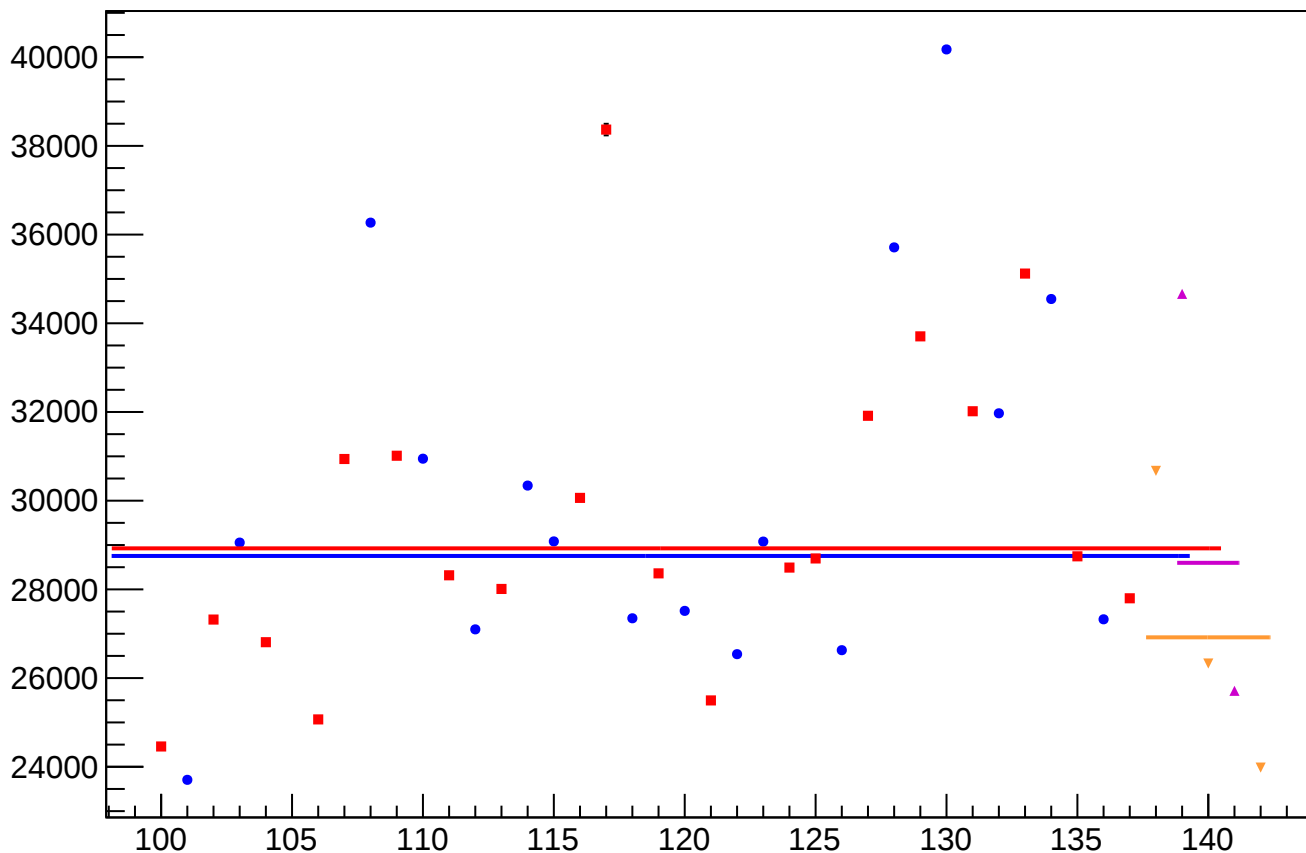
Left In: -14.506 $\pm$ 23.123 χ^2 /NDF: 0.0/1

-5.904 $\pm$ 9.761 χ^2 /NDF: 18.9/19

-8.467 $\pm$ 6.929 χ^2 /NDF: 39.0/41

-11.071 $\pm$ 9.839 χ^2 /NDF: 20.0/21

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787 $\pm$ 7.981 χ^2/NDF : 249215.1/16

Left Out: 26918.607 $\pm$ 13.747 χ^2/NDF : 35090.5/2

Right Out: 28925.160 $\pm$ 7.687 χ^2/NDF : 116514.7/19

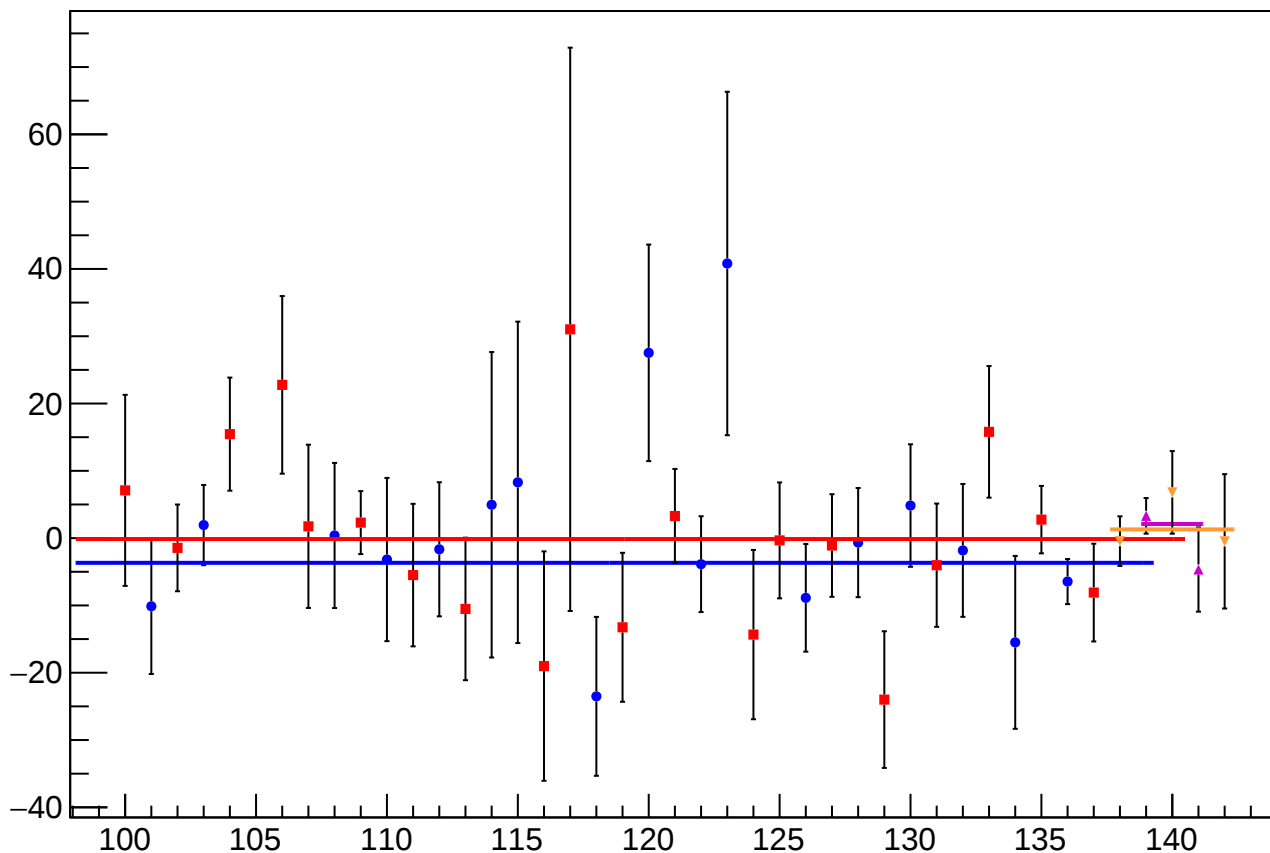
Left In: 28598.808 $\pm$ 16.351 χ^2/NDF : 65464.6/1

28291.164 $\pm$ -6.902 χ^2/NDF : 297633.8/19

28576.356 $\pm$ -4.900 χ^2/NDF : 483381.0/41

28866.079 $\pm$ -6.957 χ^2/NDF : 182305.6/21

diff_bpm12Y_mean vs Slug, Sign Corrected



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

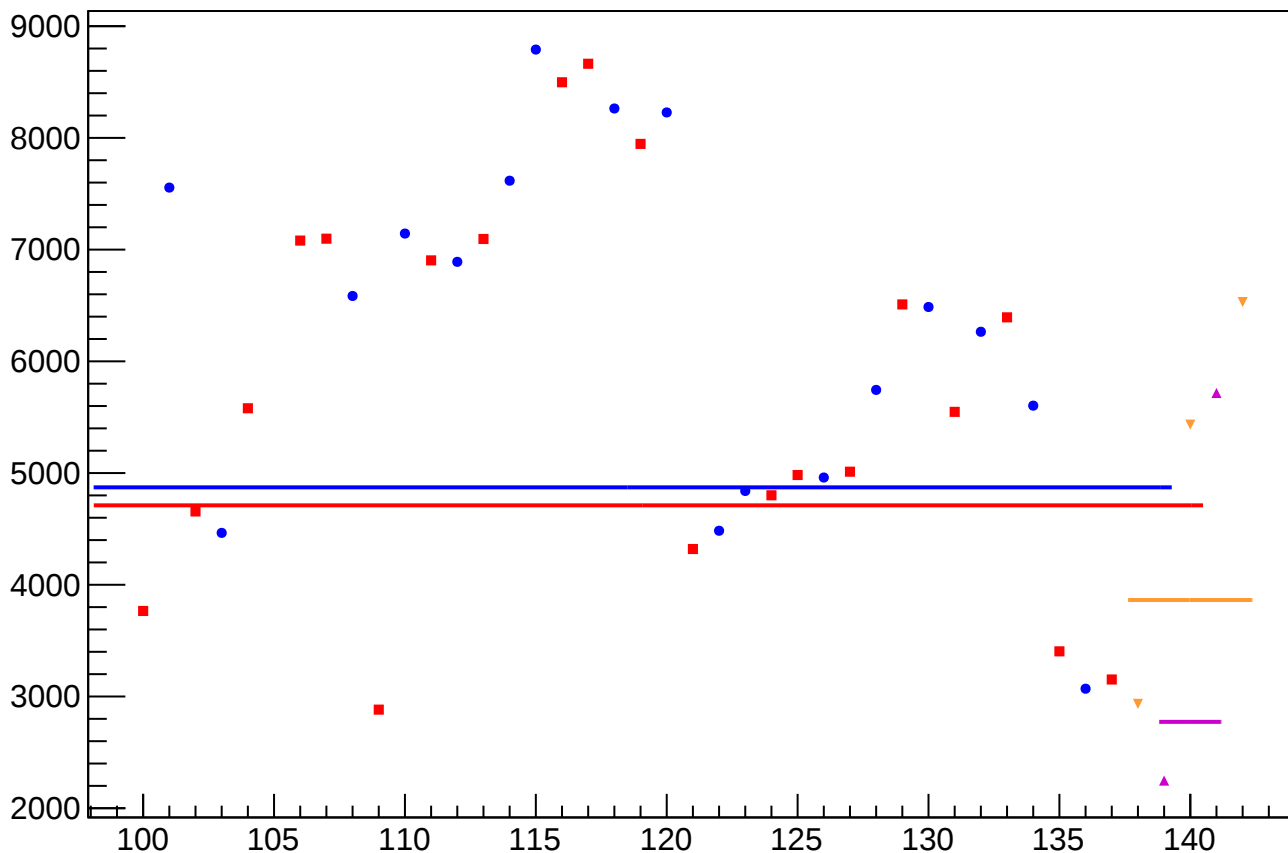
Left In: 2.102 ± 2.438 χ^2/NDF : 1.4/1

-2.138 ± 1.672 χ^2/NDF : 17.4/19

-0.557 ± 1.114 χ^2/NDF : 43.8/41

0.705 ± 1.494 χ^2/NDF : 24.8/21

diff_bpm12Y_rms vs Slug, Sign Corrected



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

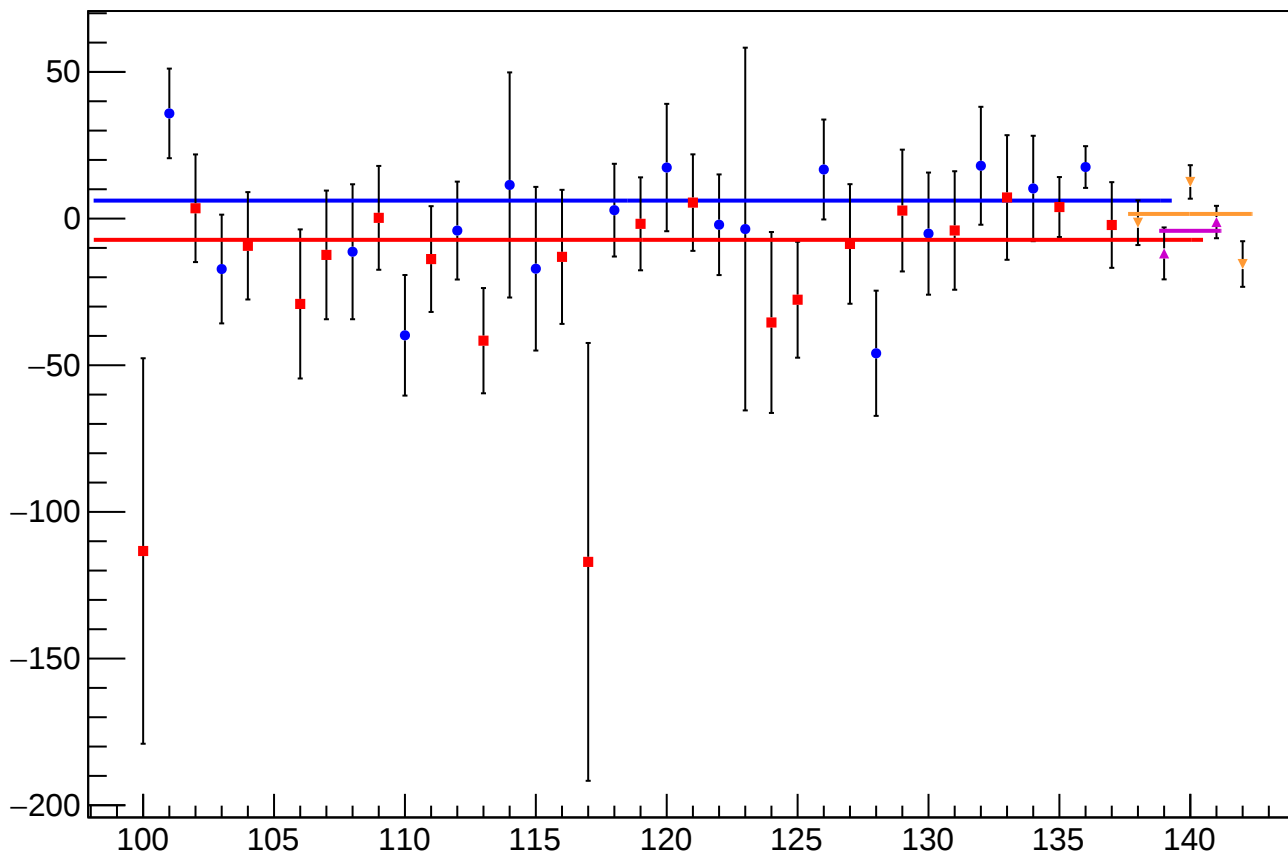
Left In: 2773.040+/-1.724 χ^2/NDF : 520934.0/1

4561.322+/-1.182 χ^2/NDF : 1961462.1/19

4239.832+/-0.788 χ^2/NDF : 4735387.9/41

3983.060+/-1.056 χ^2/NDF : 2640878.0/21

diff_bpm16X_mean vs Slug, Sign Corrected



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

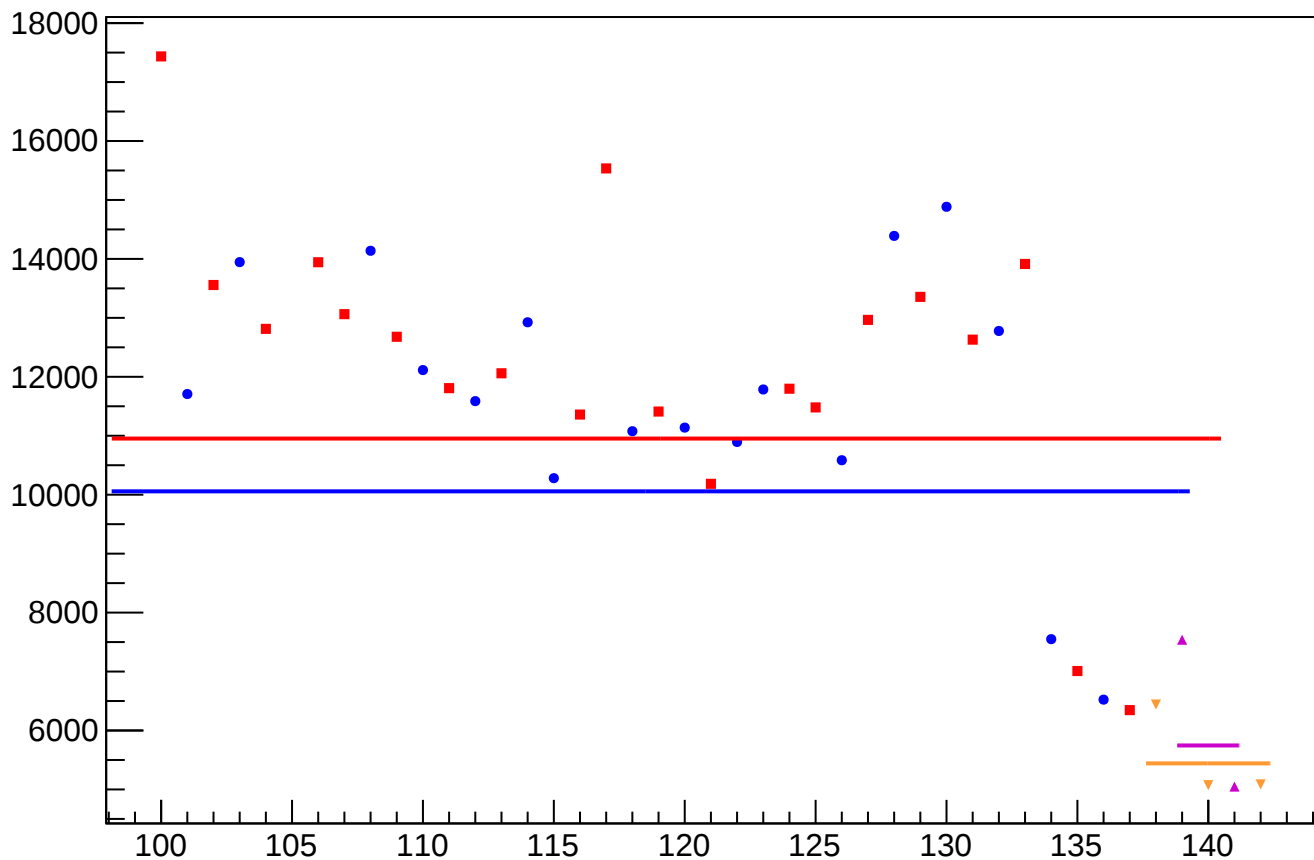
Left In: -4.169 ± 4.684 χ^2/NDF : 1.1/1

3.781 ± 2.834 χ^2/NDF : 31.5/19

-0.559 ± 2.102 χ^2/NDF : 52.6/41

-5.867 ± 3.134 χ^2/NDF : 15.9/21

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

Left Out: 5442.279+/-2.786 χ^2/NDF : 46941.0/2

Right Out: 10952.255+/-2.982 χ^2/NDF : 770474.3/19

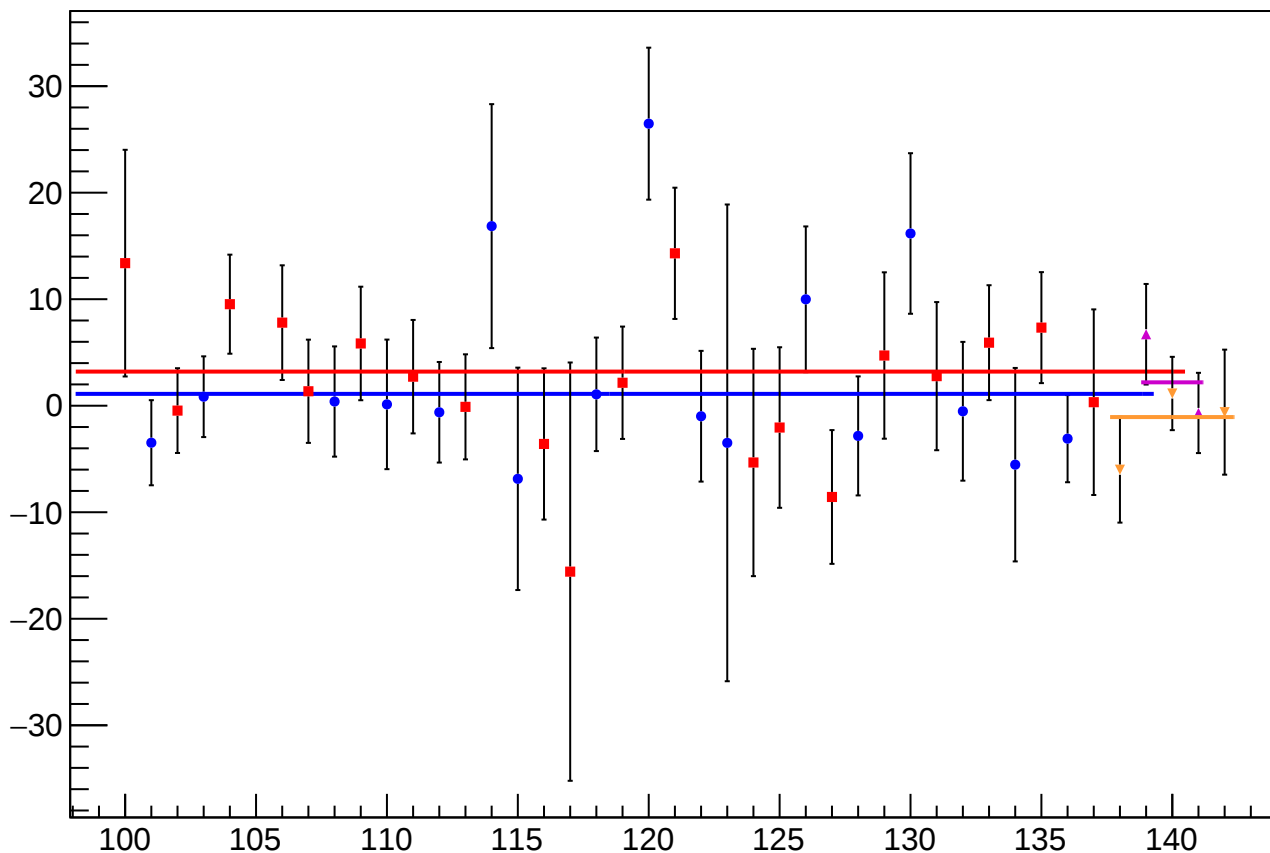
Left In: 5746.207+/-3.312 χ^2/NDF : 114003.9/1

7669.226+/-2.004 χ^2/NDF : 2373556.8/19

8097.616+/-1.487 χ^2/NDF : 4723843.3/41

8621.489+/-2.216 χ^2/NDF : 2248732.1/21

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -1.066 ± 2.548 $\chi^2/\text{NDF}: 1.4/2$

Right Out: 3.204 ± 1.331 $\chi^2/\text{NDF}: 16.0/19$

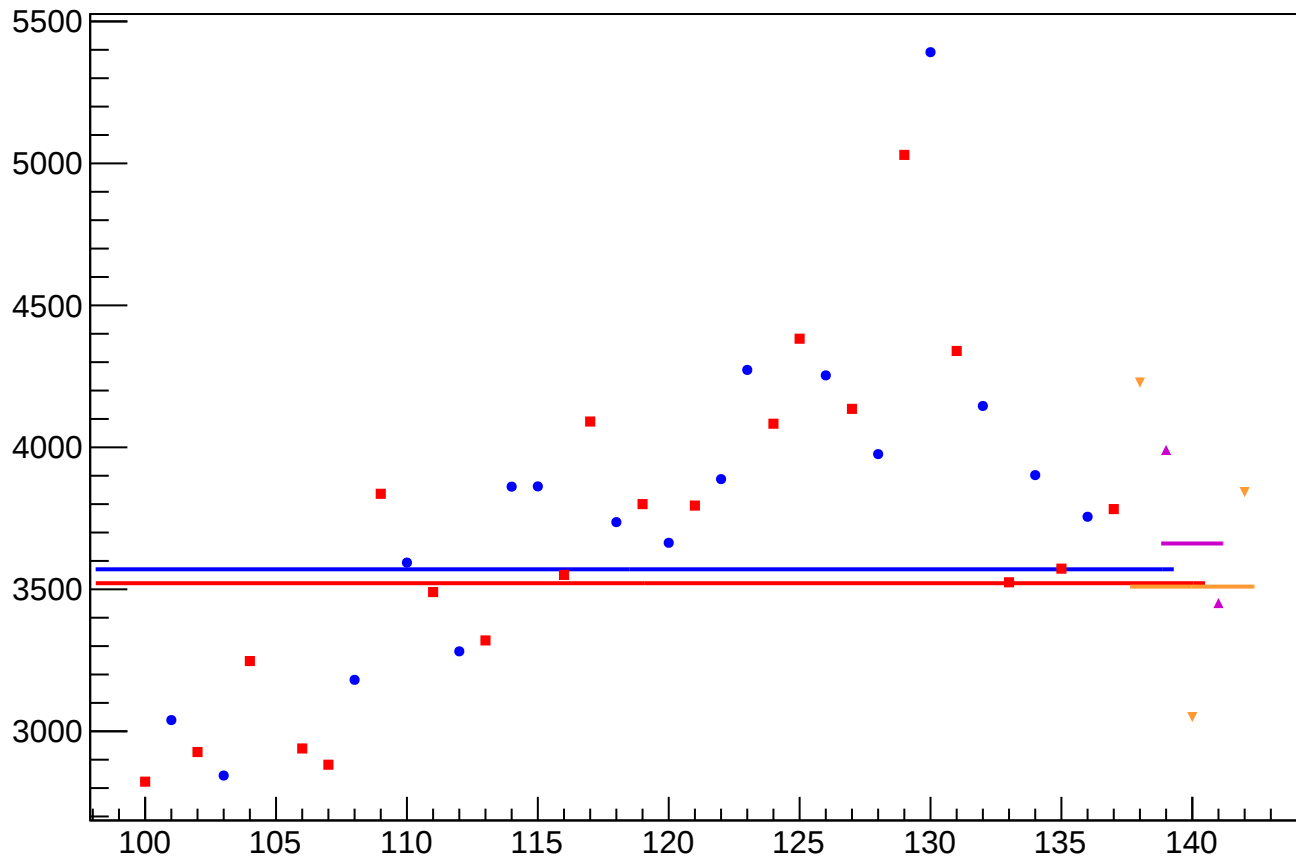
Left In: 2.195 ± 2.945 $\chi^2/\text{NDF}: 1.5/1$

0.606 ± 1.229 $\chi^2/\text{NDF}: 26.6/19$

1.835 ± 0.863 $\chi^2/\text{NDF}: 46.1/41$

3.033 ± 1.213 $\chi^2/\text{NDF}: 17.6/21$

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481 $\pm$ 0.992 χ^2/NDF : 309699.2/16

Left Out: 3509.570 $\pm$ 1.802 χ^2/NDF : 83969.2/2

Right Out: 3521.513 $\pm$ 0.941 χ^2/NDF : 295082.3/19

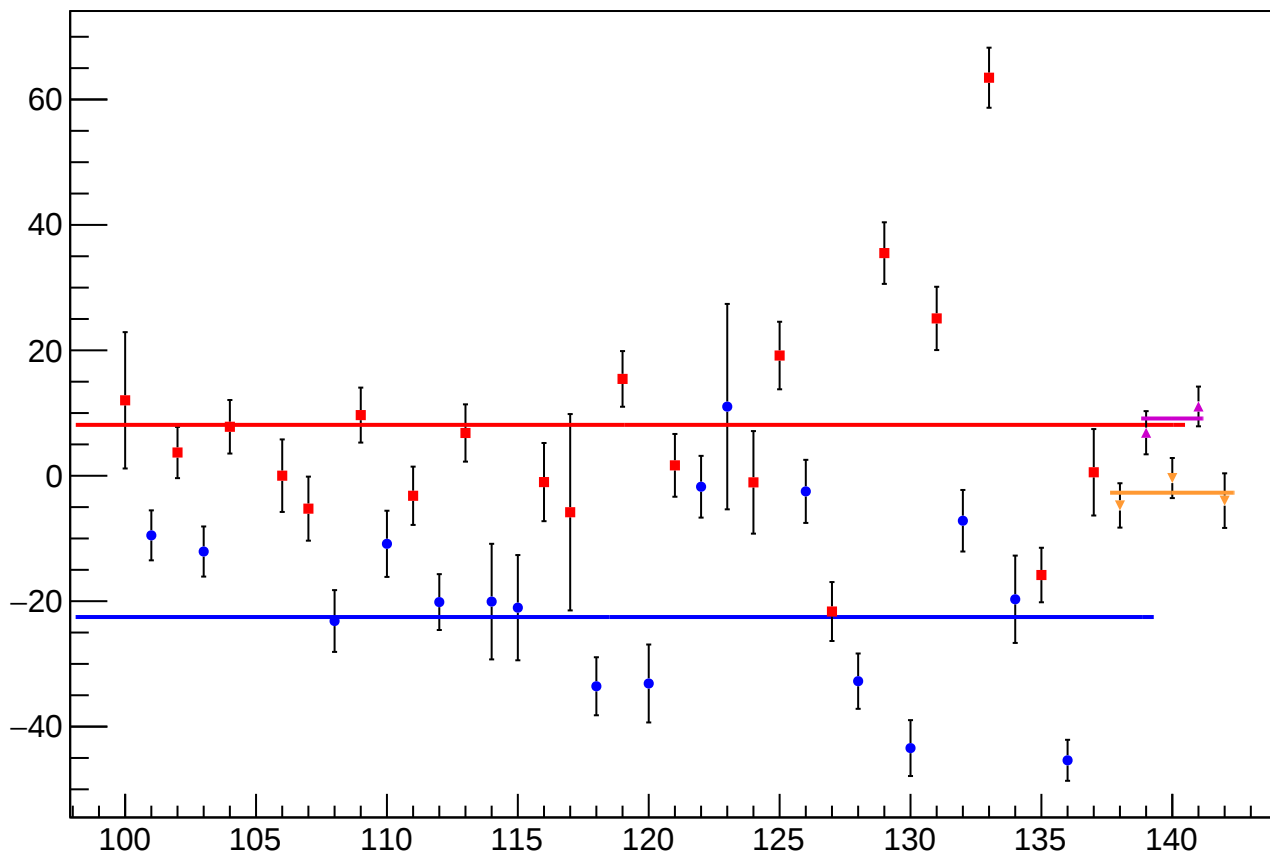
Left In: 3661.410 $\pm$ 2.082 χ^2/NDF : 15932.8/1

3556.314 $\pm$ 0.869 χ^2/NDF : 394545.4/19

3550.699 $\pm$ 0.610 χ^2/NDF : 709391.7/41

3545.233 $\pm$ 0.857 χ^2/NDF : 314763.8/21

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

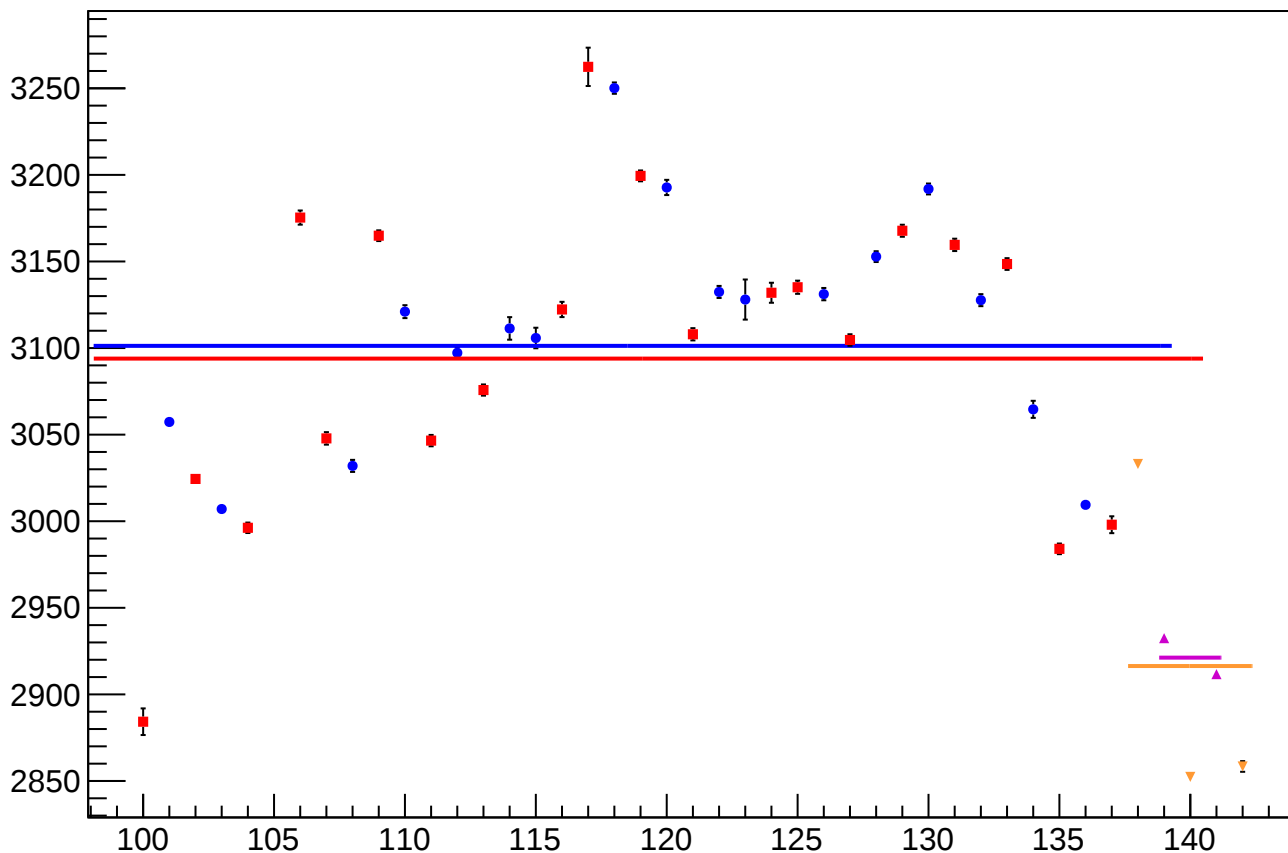
Left In: 9.131 ± 2.331 χ^2/NDF : 0.8/1

-17.581 ± 1.040 χ^2/NDF : 224.5/19

-4.557 ± 0.733 χ^2/NDF : 813.8/41

8.316 ± 1.034 χ^2/NDF : 277.6/21

diff_bpm0l01X_rms vs Slug, Sign Corrected



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

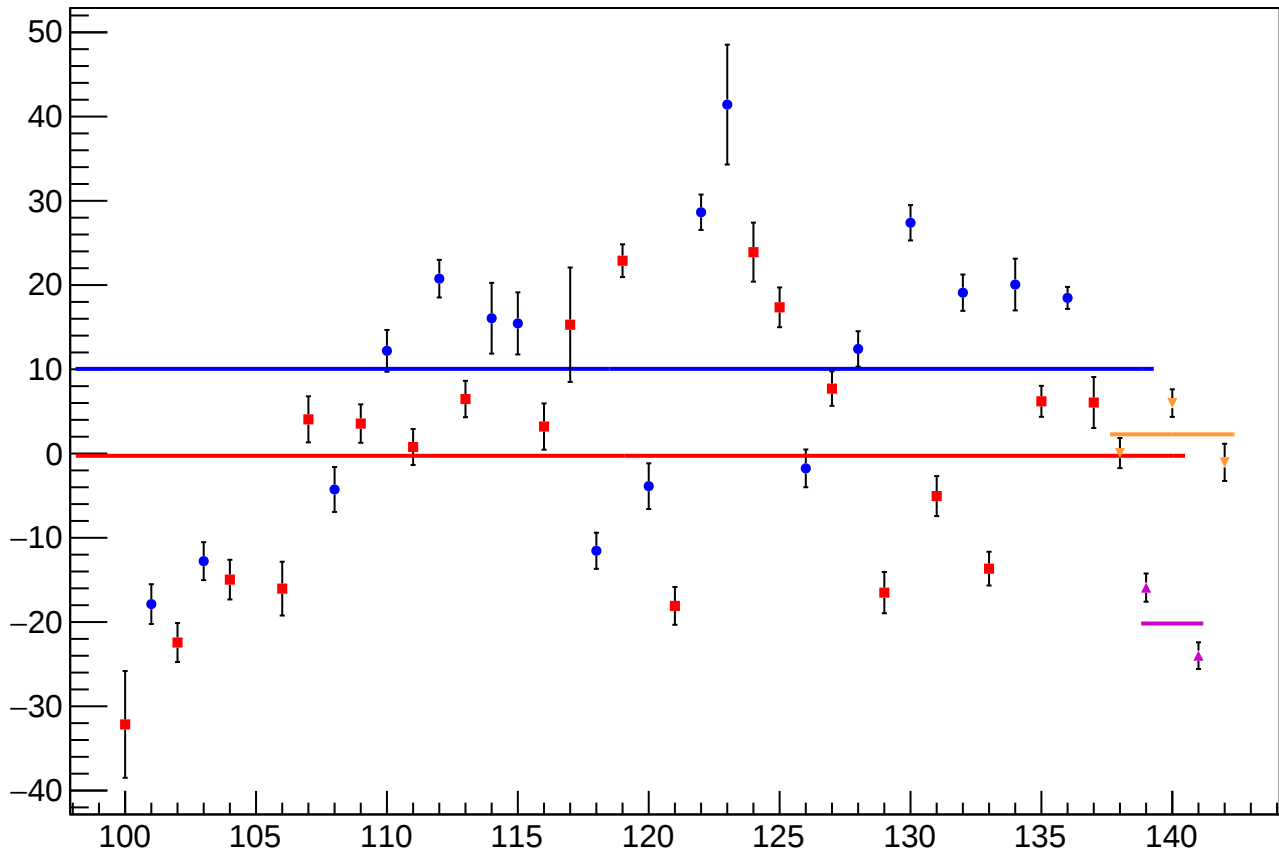
Left In: 2921.225+/-1.649 χ^2/NDF : 39.4/1

3055.149+/-0.735 χ^2/NDF : 22401.0/19

3057.560+/-0.519 χ^2/NDF : 39274.9/41

3059.942+/-0.731 χ^2/NDF : 16852.5/21

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055+/-0.562 χ^2/NDF : 692.2/16

Left Out: 2.282+/-1.059 χ^2/NDF : 8.9/2

Right Out: -0.266+/-0.545 χ^2/NDF : 635.1/19

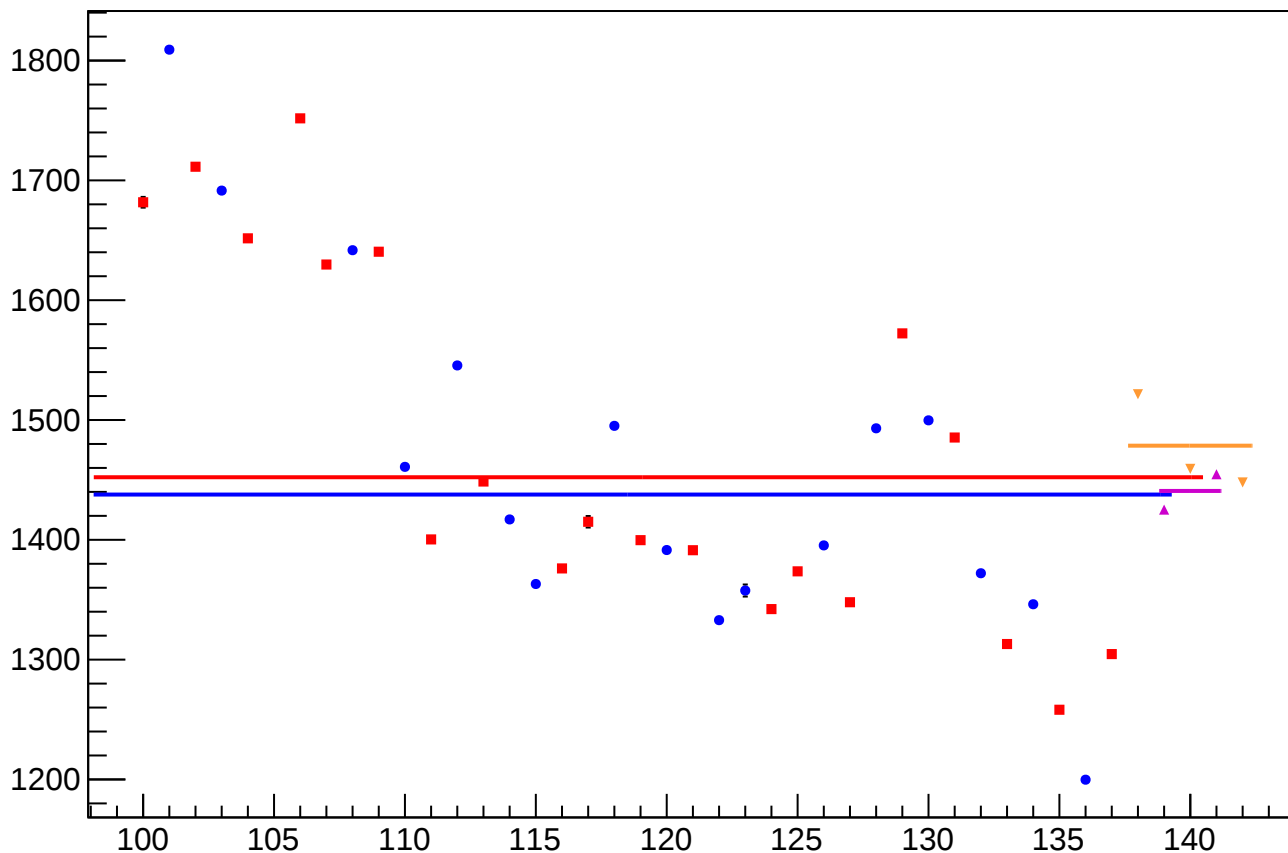
Left In: -20.174+/-1.151 χ^2/NDF : 12.3/1

8.348+/-0.496 χ^2/NDF : 743.2/19

2.174+/-0.350 χ^2/NDF : 1942.6/41

-3.915+/-0.493 χ^2/NDF : 891.8/21

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

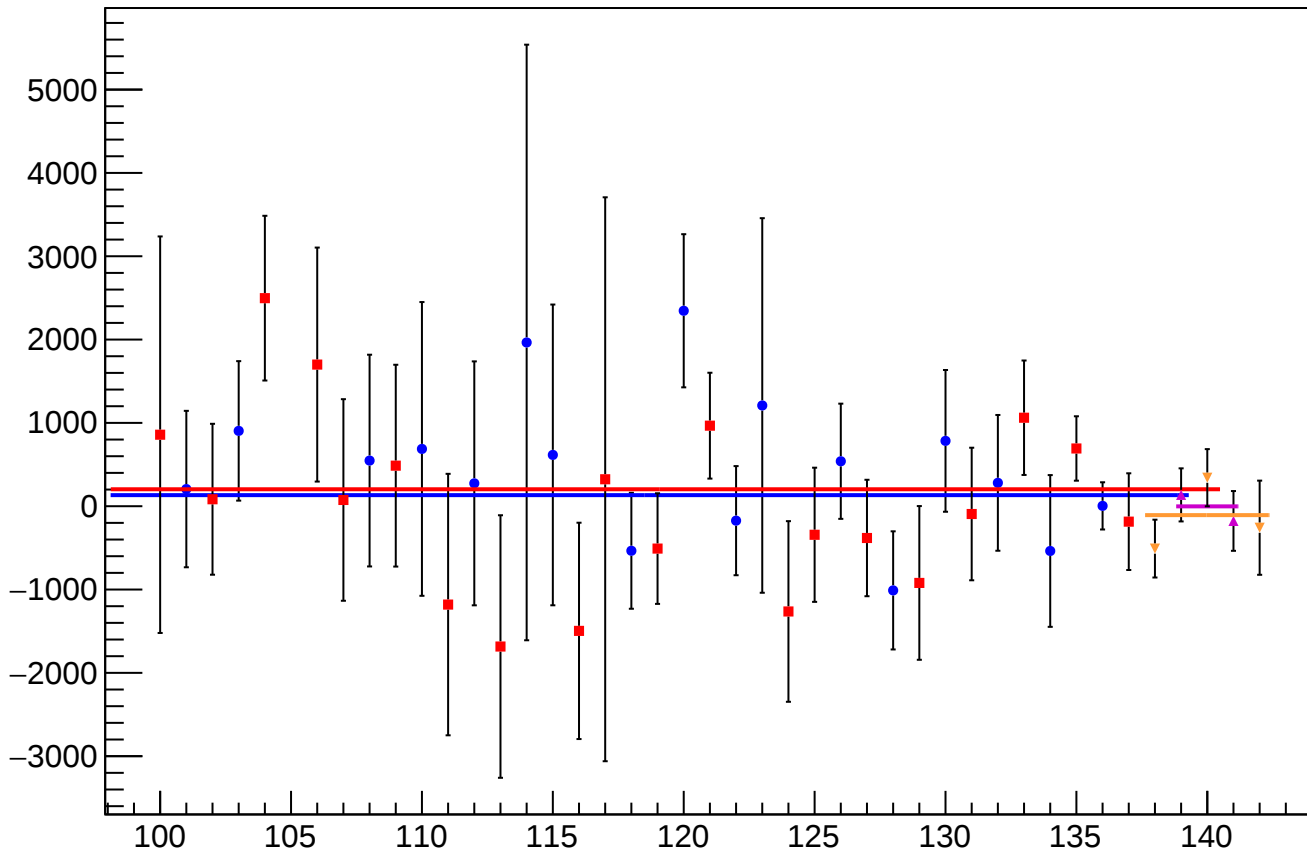
Left In: 1440.794 $\pm$ 0.814 χ^2 /NDF:328.0/1

1446.735 $\pm$ 0.351 χ^2 /NDF: 177357.1/19

1448.445 $\pm$ 0.247 χ^2 /NDF: 316559.5/41

1450.132 $\pm$ 0.348 χ^2 /NDF: 139155.3/21

asym sam1 mean vs Slug, Sign Corrected



Right In: 132.921+/-180.271 χ^2/NDF : 12.9/16

Left Out: -107.002 ± 224.017 $\chi^2/\text{NDF}: 3.1/2$

Right Out: 203.418+/-184.080 χ^2/NDF : 21.4/19

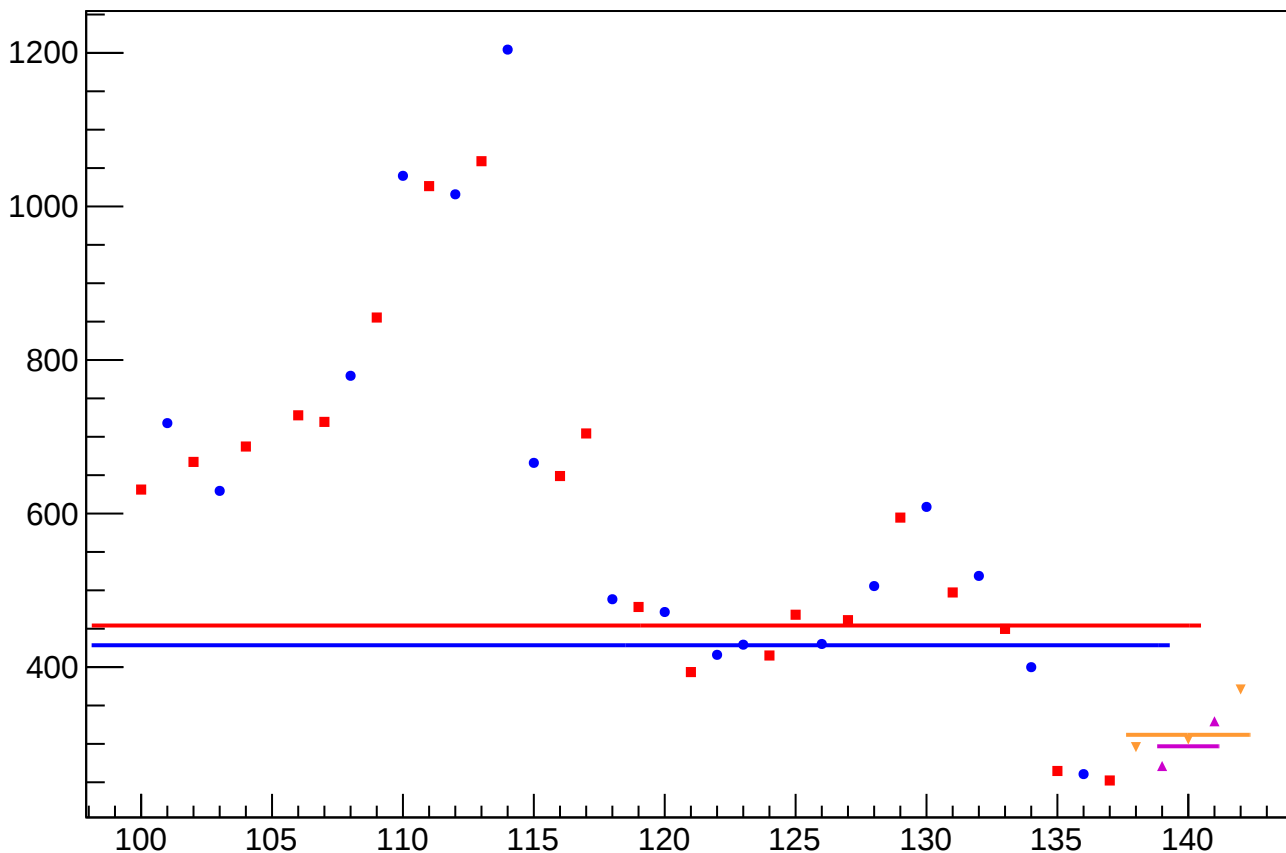
Left In: -1.856+/-238.161 χ^2/NDF :0.4/1

38.620+/-140.444 χ^2/NDF : 16.7/19

81.034+/-101.098 χ^2/NDF : 39.2/41

126.648+/-145.646 χ^2/NDF : 22.3/21

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 311.813 $\pm$ 0.158 χ^2 /NDF: 26744.9/2

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

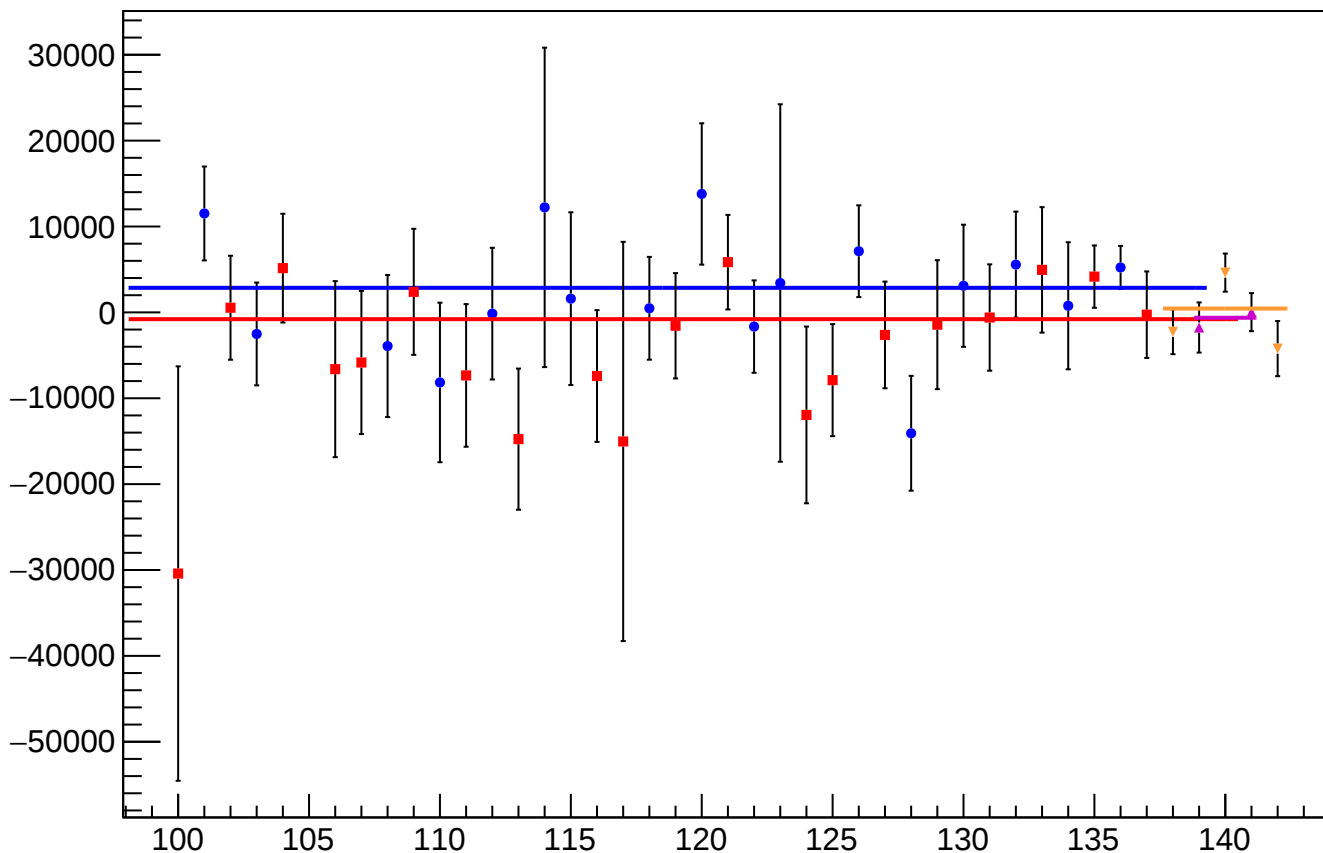
Left In: 296.868 $\pm$ 0.168 χ^2 /NDF: 29504.8/1

382.612 $\pm$ 0.099 χ^2 /NDF: 2367334.2/19

388.748 $\pm$ 0.071 χ^2 /NDF: 4991774.5/41

395.346 $\pm$ 0.103 χ^2 /NDF: 2616518.6/21

asym_sam2_mean vs Slug, Sign Corrected



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

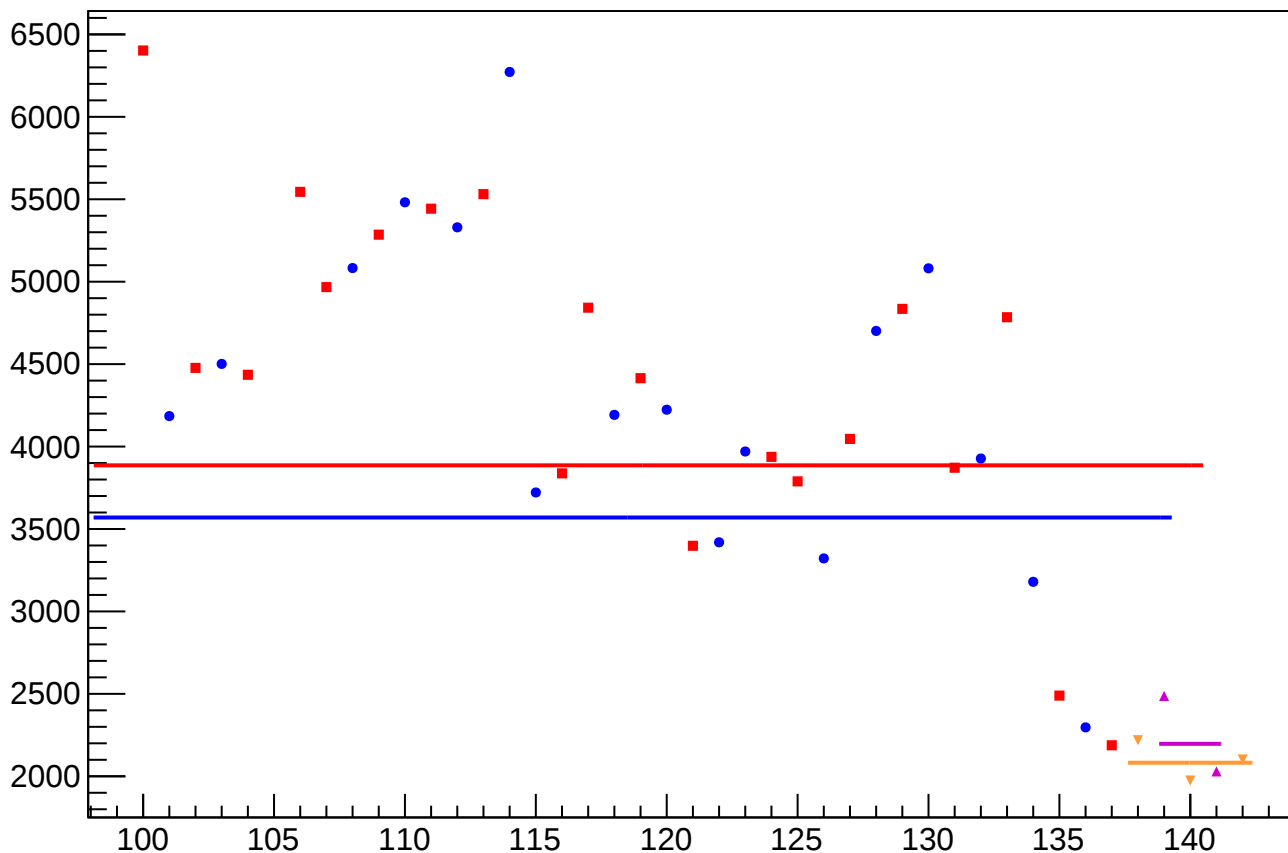
Left In: -624.331 ± 1765.075 χ^2/NDF : 0.2/1

1692.496 ± 1040.651 χ^2/NDF : 24.7/19

601.887 ± 770.313 χ^2/NDF : 41.8/41

-719.975 ± 1145.681 χ^2/NDF : 14.6/21

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2082.242+/-1.058 χ^2/NDF : 10258.1/2

Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

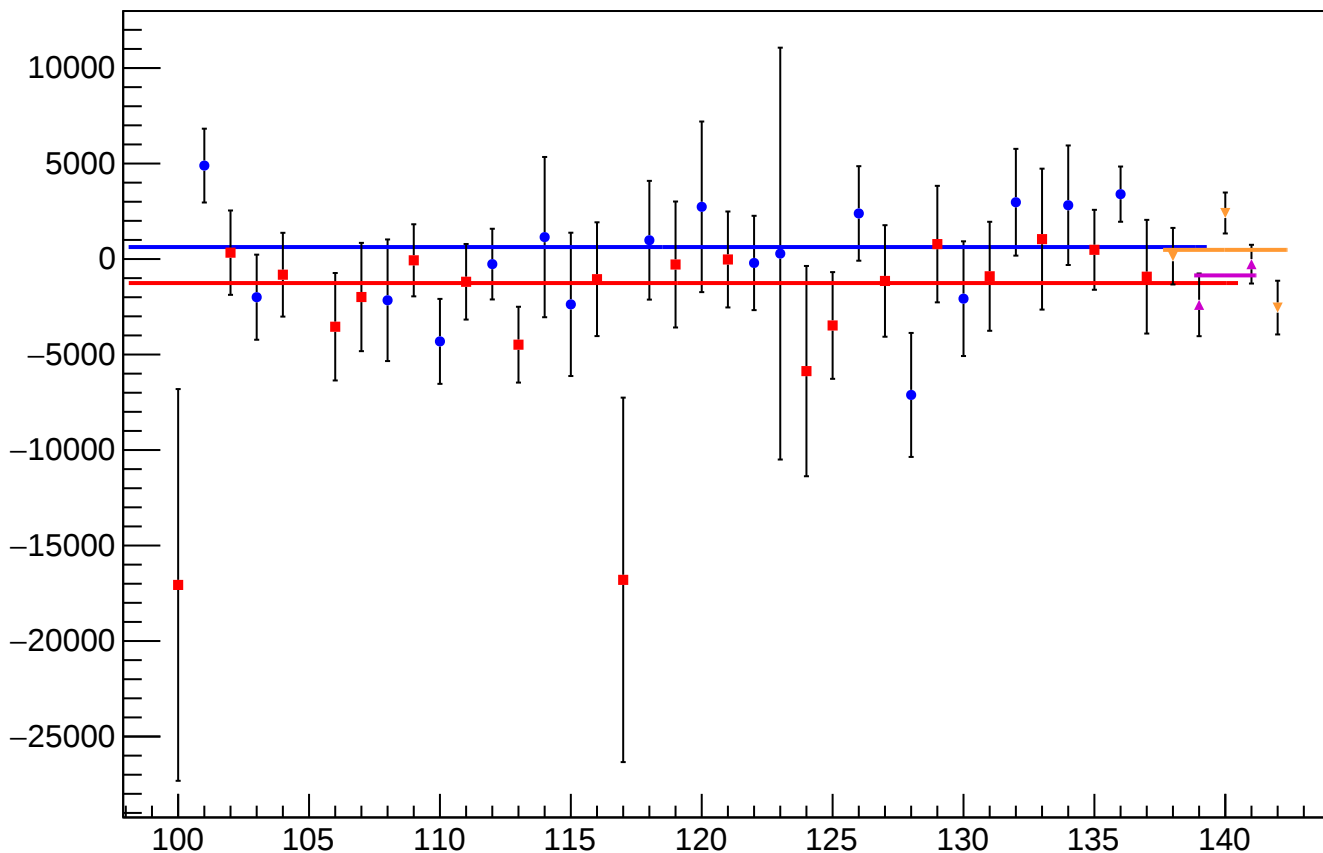
Left In: 2196.889+/-1.248 χ^2/NDF : 31171.9/1

2850.607+/-0.736 χ^2/NDF : 2118500.7/19

2997.020+/-0.545 χ^2/NDF : 4283885.5/41

3174.478+/-0.810 χ^2/NDF : 2077811.5/21

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 $\pm$ 620.929 χ^2/NDF : 25.1/16

Left Out: 480.173 $\pm$ 738.801 χ^2/NDF : 7.9/2

Right Out: -1257.467 $\pm$ 601.857 χ^2/NDF : 12.6/19

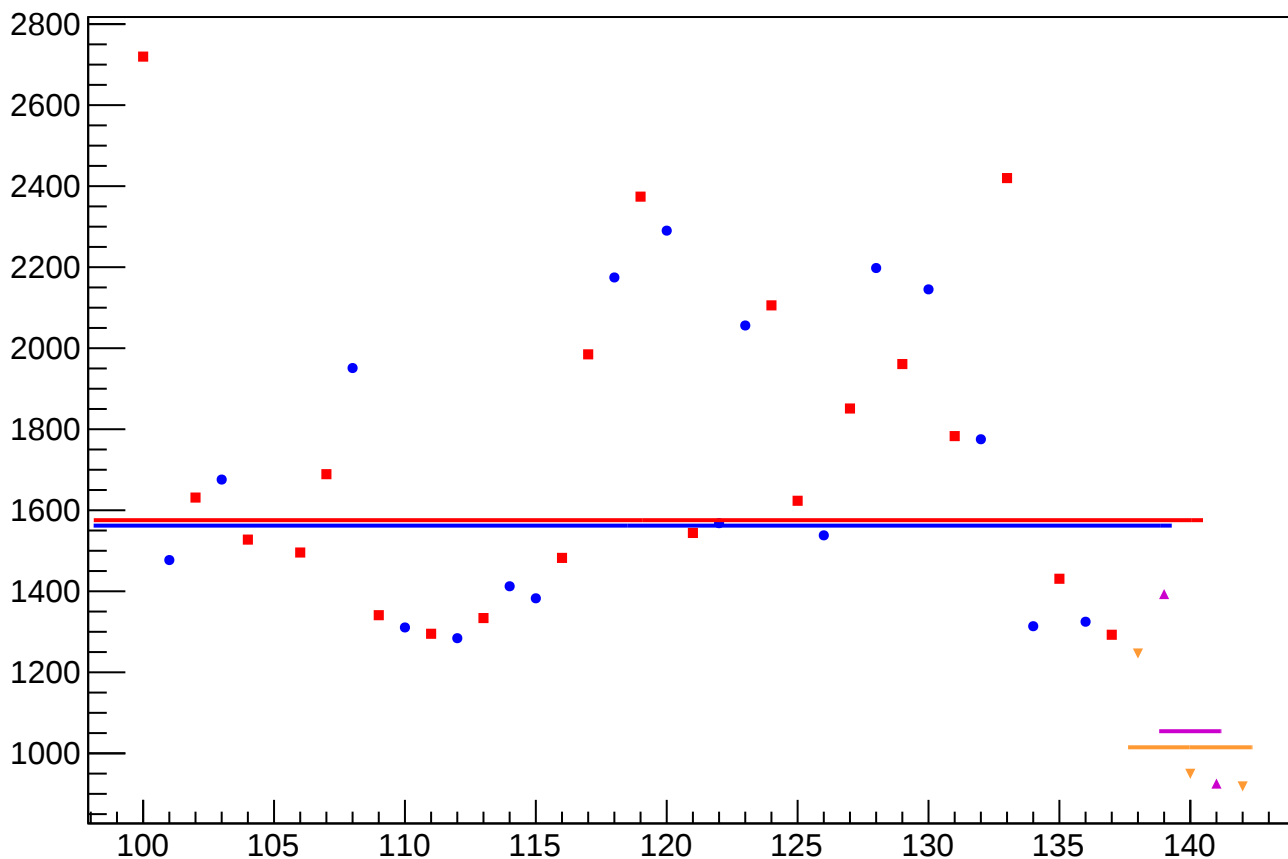
Left In: -856.978 $\pm$ 862.429 χ^2/NDF : 1.2/1

566.603 $\pm$ 475.342 χ^2/NDF : 33.0/19

-248.038 $\pm$ 342.375 χ^2/NDF : 53.0/41

-1126.303 $\pm$ 493.555 χ^2/NDF : 13.9/21

asym_sam3_rms vs Slug, Sign Corrected



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

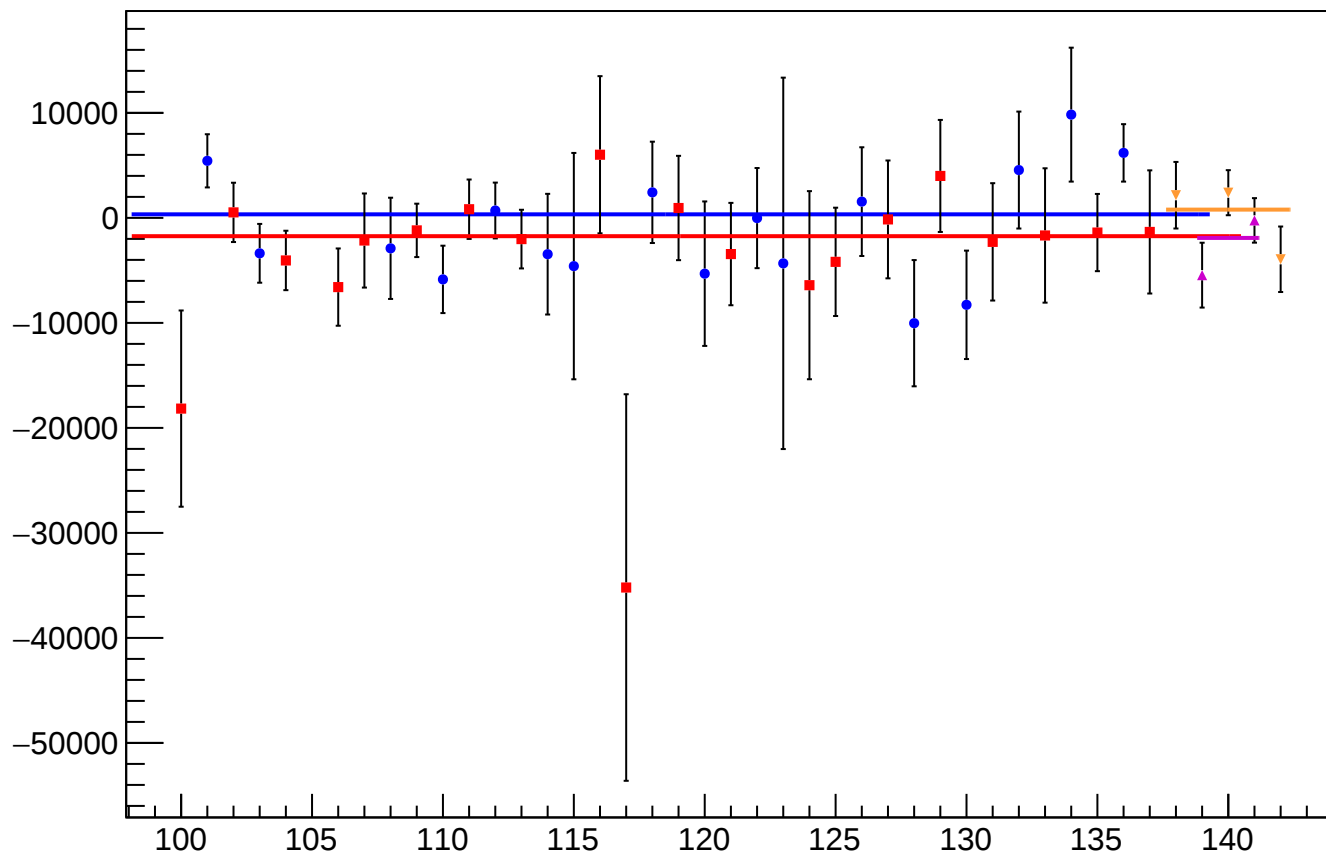
Left In: 1054.630+/-0.610 χ^2/NDF : 117665.8/1

1335.596+/-0.336 χ^2/NDF : 1190775.2/19

1368.964+/-0.242 χ^2/NDF : 2287287.1/41

1404.937+/-0.349 χ^2/NDF : 1076031.9/21

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 ± 995.842 $\chi^2/\text{NDF}: 24.8/16$

Left Out: 787.259 ± 1544.082 $\chi^2/\text{NDF}: 3.1/2$

Right Out: -1742.470 ± 923.289 $\chi^2/\text{NDF}: 13.6/19$

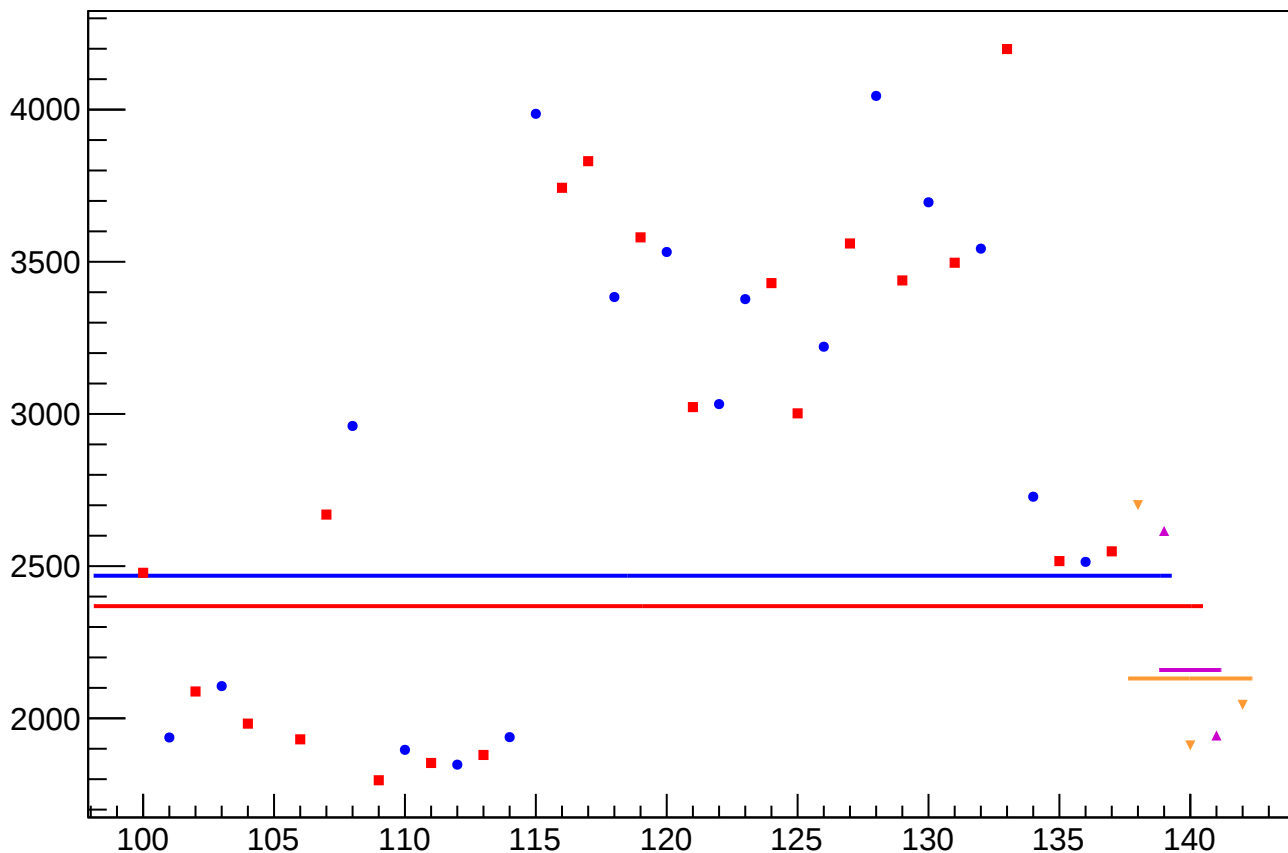
Left In: -1908.712 ± 1747.235 $\chi^2/\text{NDF}: 1.9/1$

470.057 ± 836.887 $\chi^2/\text{NDF}: 27.9/19$

-682.317 ± 584.362 $\chi^2/\text{NDF}: 47.1/41$

-1778.758 ± 816.323 $\chi^2/\text{NDF}: 15.5/21$

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2130.848+/-1.092 χ^2/NDF : 87109.4/2

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

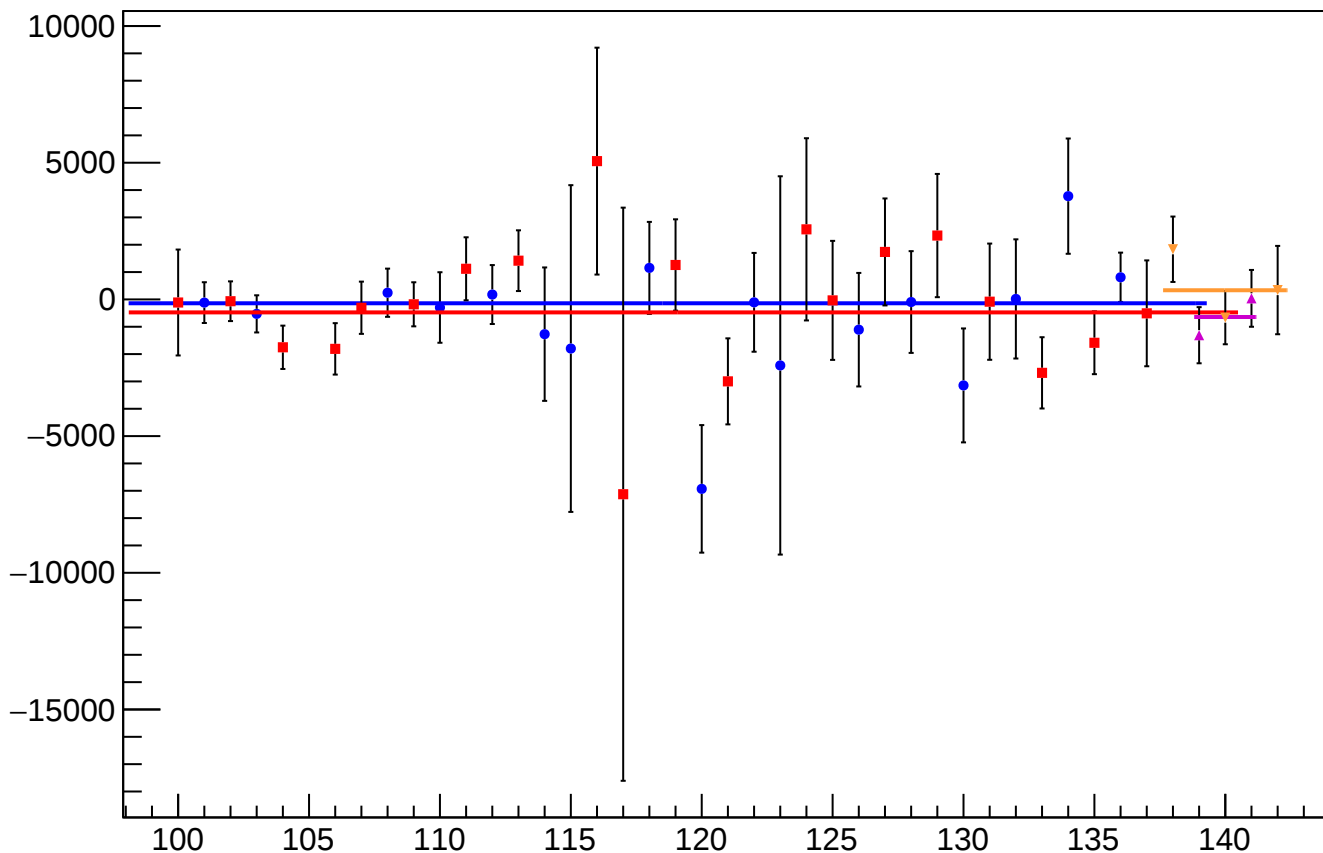
Left In: 2158.755+/-1.235 χ^2/NDF : 64413.9/1

2369.303+/-0.592 χ^2/NDF : 1050801.8/19

2345.439+/-0.413 χ^2/NDF : 2178735.8/41

2322.733+/-0.577 χ^2/NDF : 1124760.3/21

asym_sam5_mean vs Slug, Sign Corrected



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

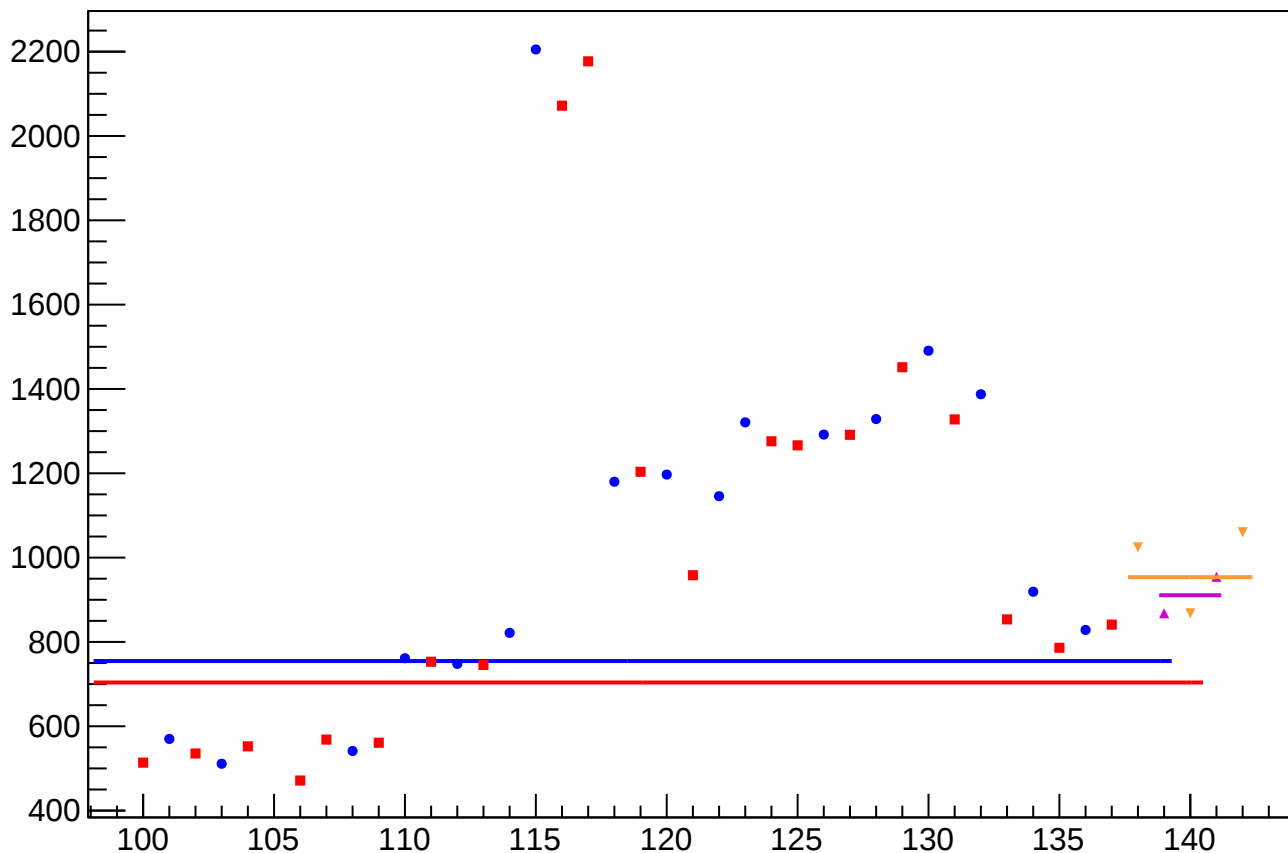
Left In: -643.502+/-730.447 χ^2/NDF : 0.9/1

-58.782+/-284.913 χ^2/NDF : 20.0/19

-294.771+/-193.536 χ^2/NDF : 45.5/41

-496.952+/-263.716 χ^2/NDF : 24.2/21

asym_sam5_rms vs Slug, Sign Corrected



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

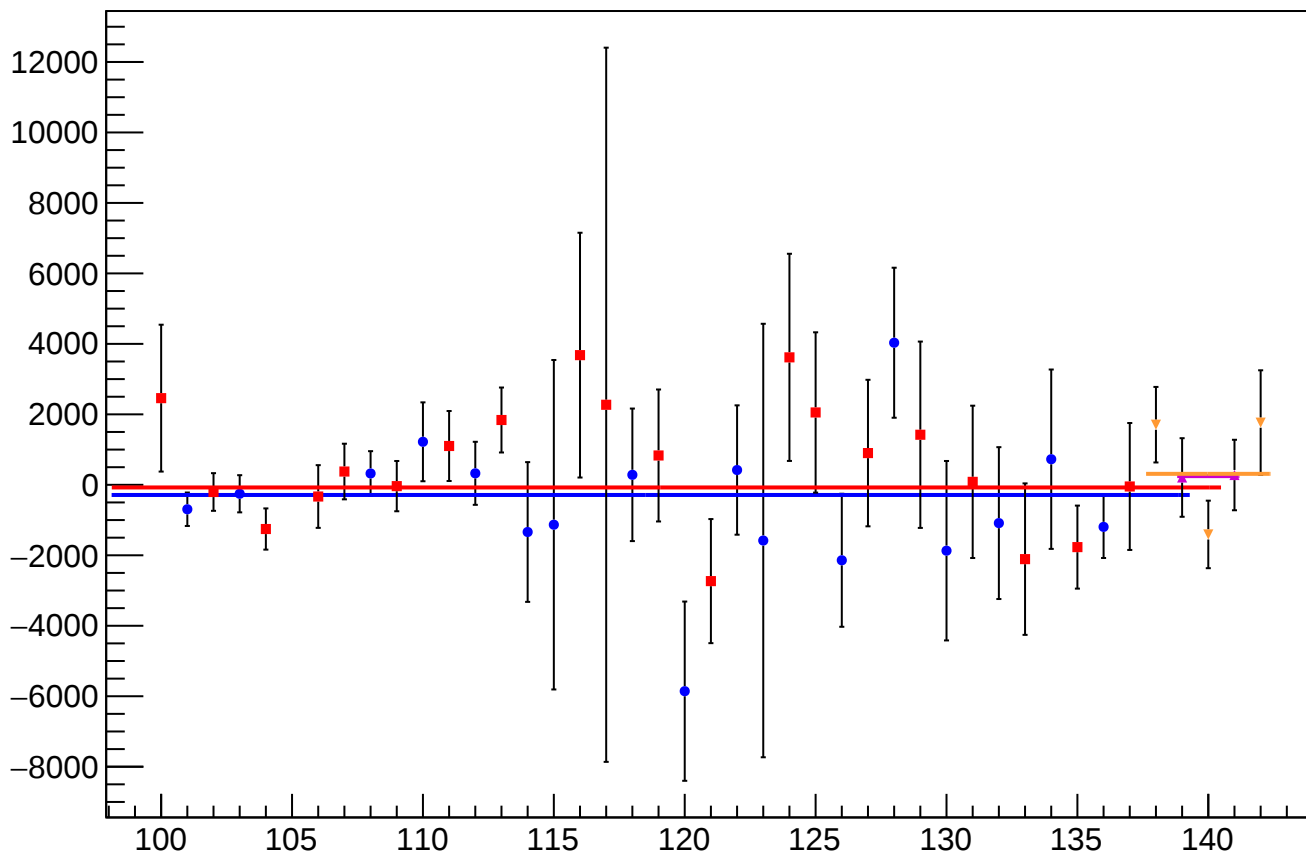
Left In: 910.807+/-0.517 χ^2/NDF : 7012.5/1

789.120+/-0.201 χ^2/NDF : 1861324.1/19

757.698+/-0.137 χ^2/NDF : 3784337.6/41

730.777+/-0.186 χ^2/NDF : 1877846.1/21

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: 311.412+/-643.790 χ^2/NDF : 5.9/2

Right Out: -74.735+/-246.011 χ^2/NDF : 21.4/19

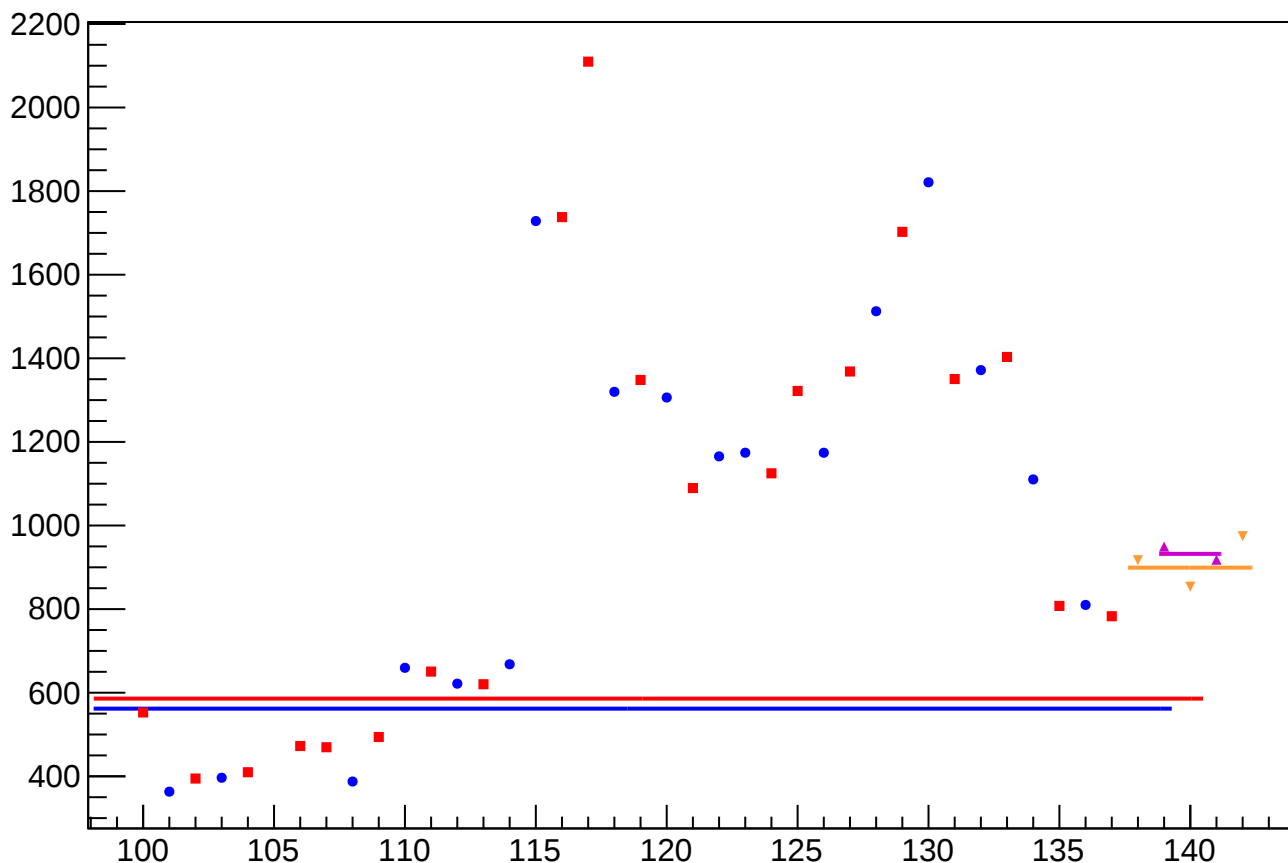
Left In: 246.921+/-744.559 χ^2/NDF : 0.0/1

-209.249+/-233.398 χ^2/NDF : 22.8/19

-126.231+/-165.105 χ^2/NDF : 44.6/41

-43.076+/-233.590 χ^2/NDF : 21.6/21

asym_sam6_rms vs Slug, Sign Corrected



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

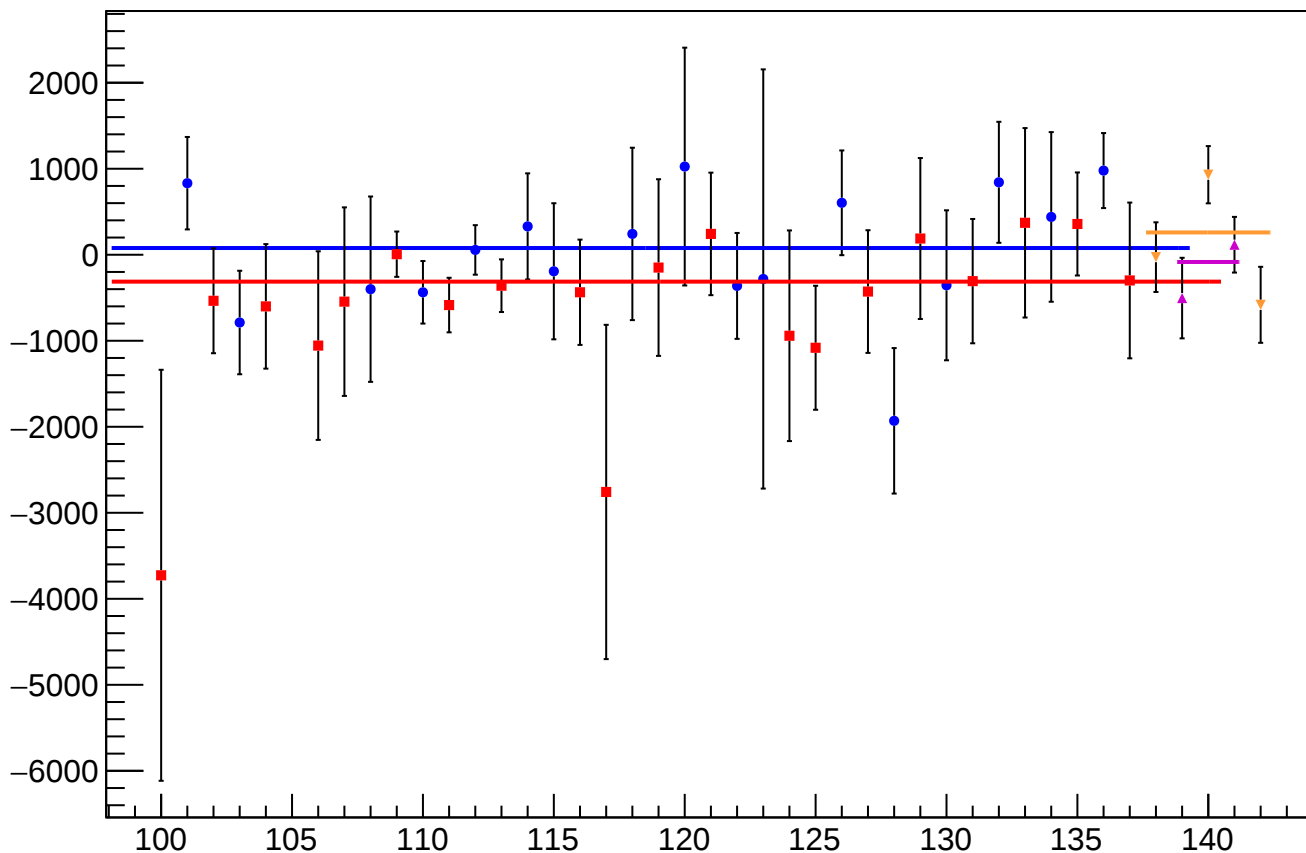
Left In: 932.142+/-0.526 χ^2/NDF :877.5/1

606.228+/-0.165 χ^2/NDF : 3703706.1/19

613.094+/-0.117 χ^2/NDF : 6967695.2/41

619.971+/-0.165 χ^2/NDF : 3260524.5/21

asym_sam7_mean vs Slug, Sign Corrected



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

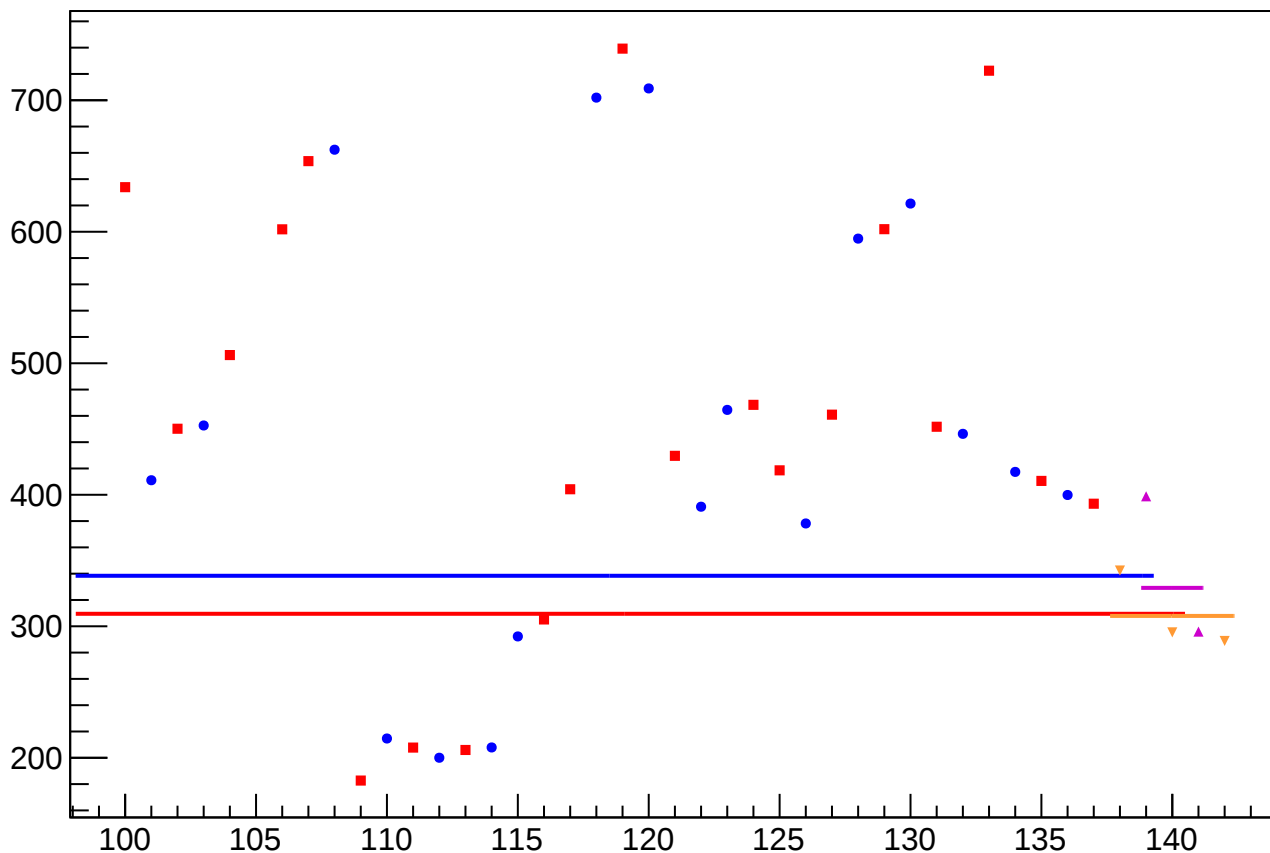
Left In: -84.007+/-266.271 χ^2/NDF : 1.2/1

131.162+/-120.176 χ^2/NDF : 28.4/19

-75.324+/-83.594 χ^2/NDF : 46.6/41

-268.897+/-116.357 χ^2/NDF : 12.5/21

asym_sam7_rms vs Slug, Sign Corrected



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

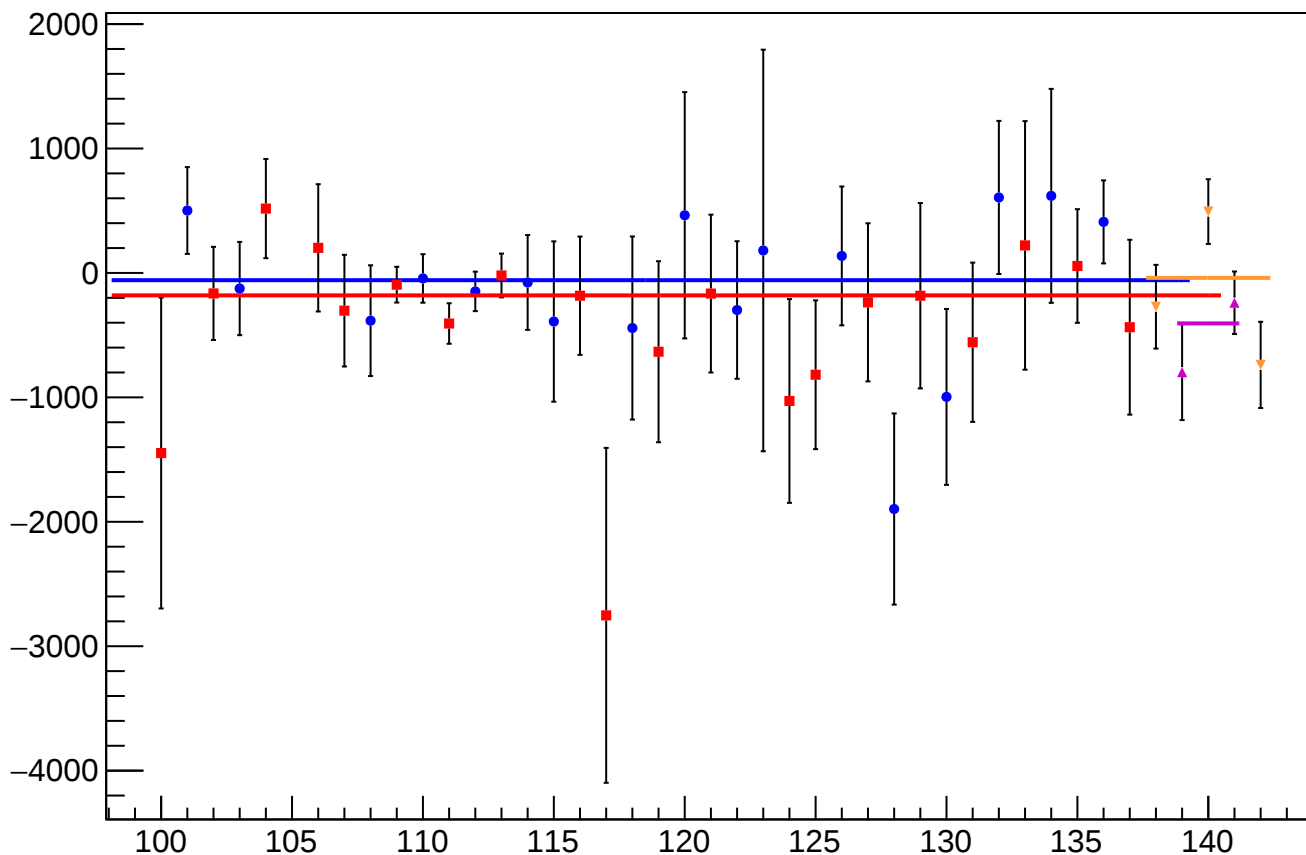
Left In: 329.214 $\pm$ 0.188 χ^2/NDF :65318.8/1

329.481 $\pm$ 0.085 χ^2/NDF : 2057062.6/19

321.112 $\pm$ 0.059 χ^2/NDF : 4888275.5/41

313.267 $\pm$ 0.082 χ^2/NDF : 2812422.1/21

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 $\pm$ 90.484 χ^2 /NDF: 15.9/16

Left Out: -39.764 $\pm$ 176.944 χ^2 /NDF: 8.7/2

Right Out: -180.354 $\pm$ 76.795 χ^2 /NDF: 15.0/19

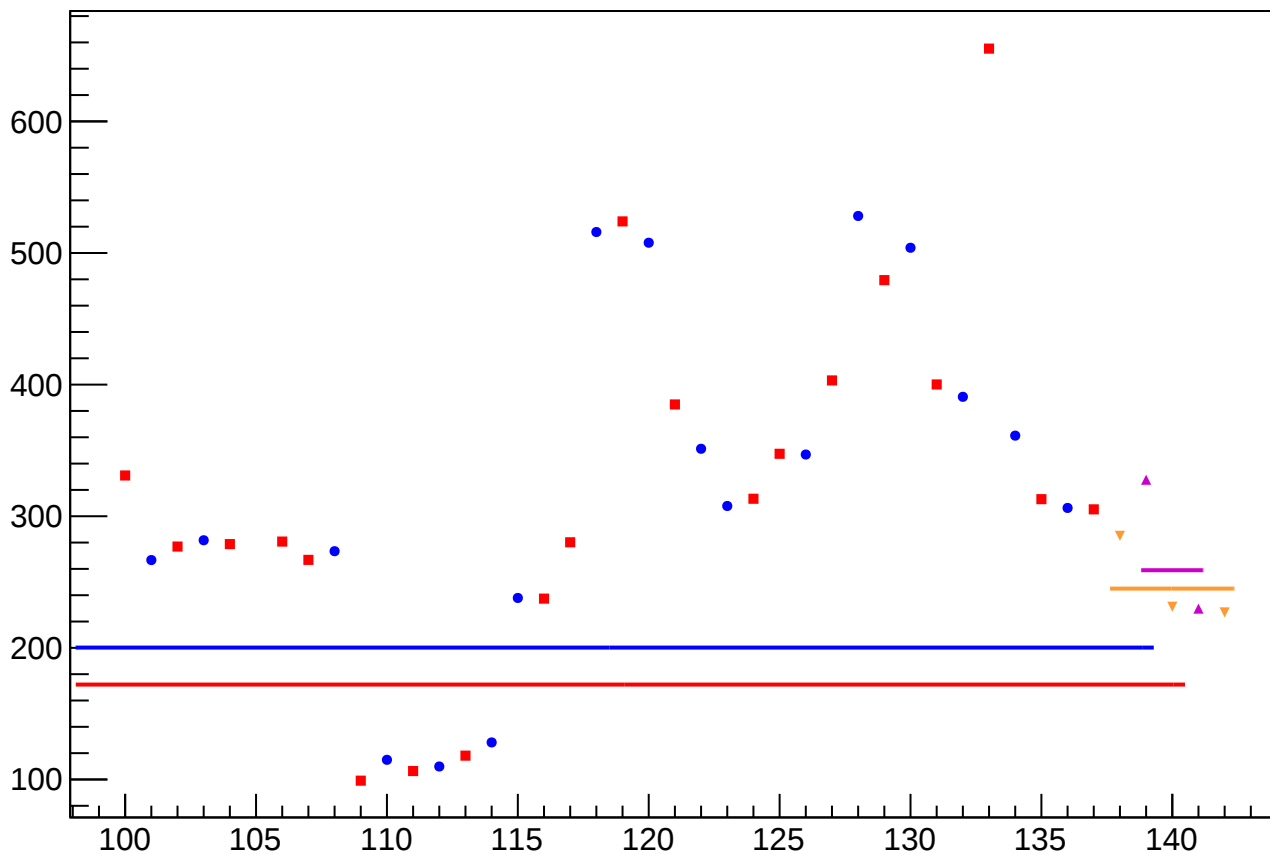
Left In: -405.512 $\pm$ 210.290 χ^2 /NDF: 1.5/1

-54.457 $\pm$ 80.562 χ^2 /NDF: 24.6/19

-139.037 $\pm$ 53.740 χ^2 /NDF: 44.1/41

-206.848 $\pm$ 72.135 χ^2 /NDF: 17.5/21

asym_sam8_rms vs Slug, Sign Corrected



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

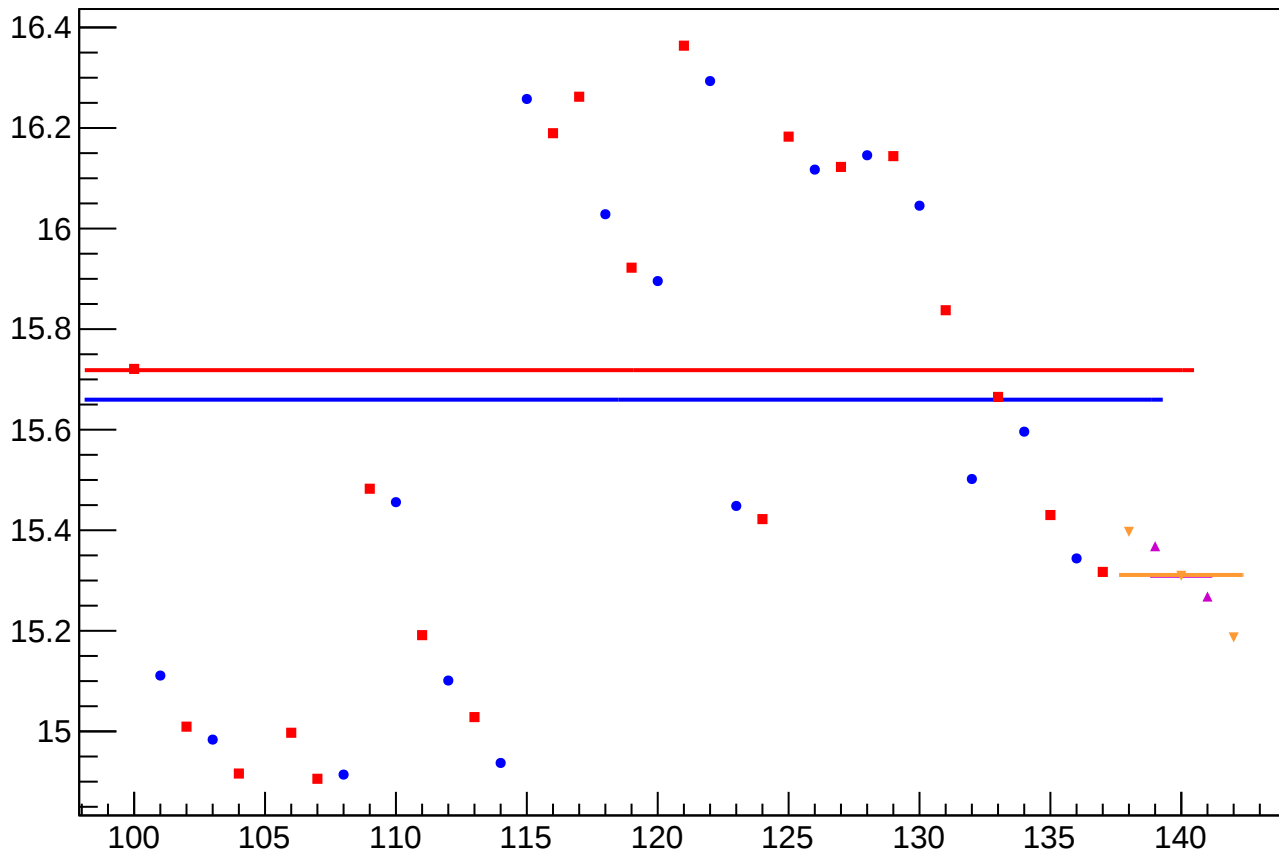
Left In: 258.992 +/- 0.149 χ^2/NDF : 90727.2/1

209.500 +/- 0.057 χ^2/NDF : 3528393.6/19

194.422 +/- 0.038 χ^2/NDF : 8153434.1/41

182.333 +/- 0.051 χ^2/NDF : 4498817.0/21

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660+/-0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.311+/-0.000 χ^2/NDF : 120056797.1/2

Right Out: 15.718+/-0.000 χ^2/NDF : 5490626945.9/19

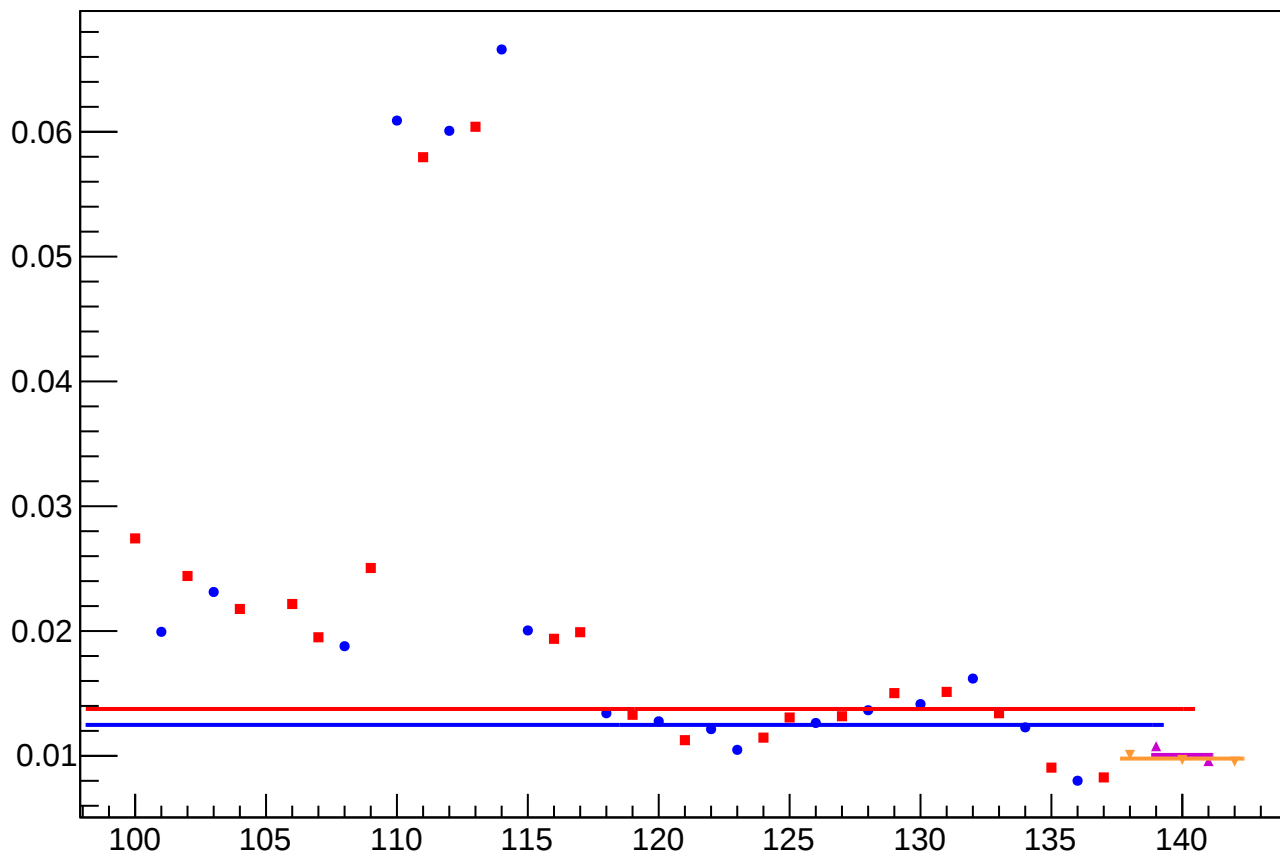
Left In: 15.309+/-0.000 χ^2/NDF : 35749005.9/1

15.532+/-0.000 χ^2/NDF : 7381529008.7/19

15.554+/-0.000 χ^2/NDF : 14598107047.3/1

15.581+/-0.000 χ^2/NDF : 7159474225.9/21

yield_sam1_rms vs Slug, Sign Corrected



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

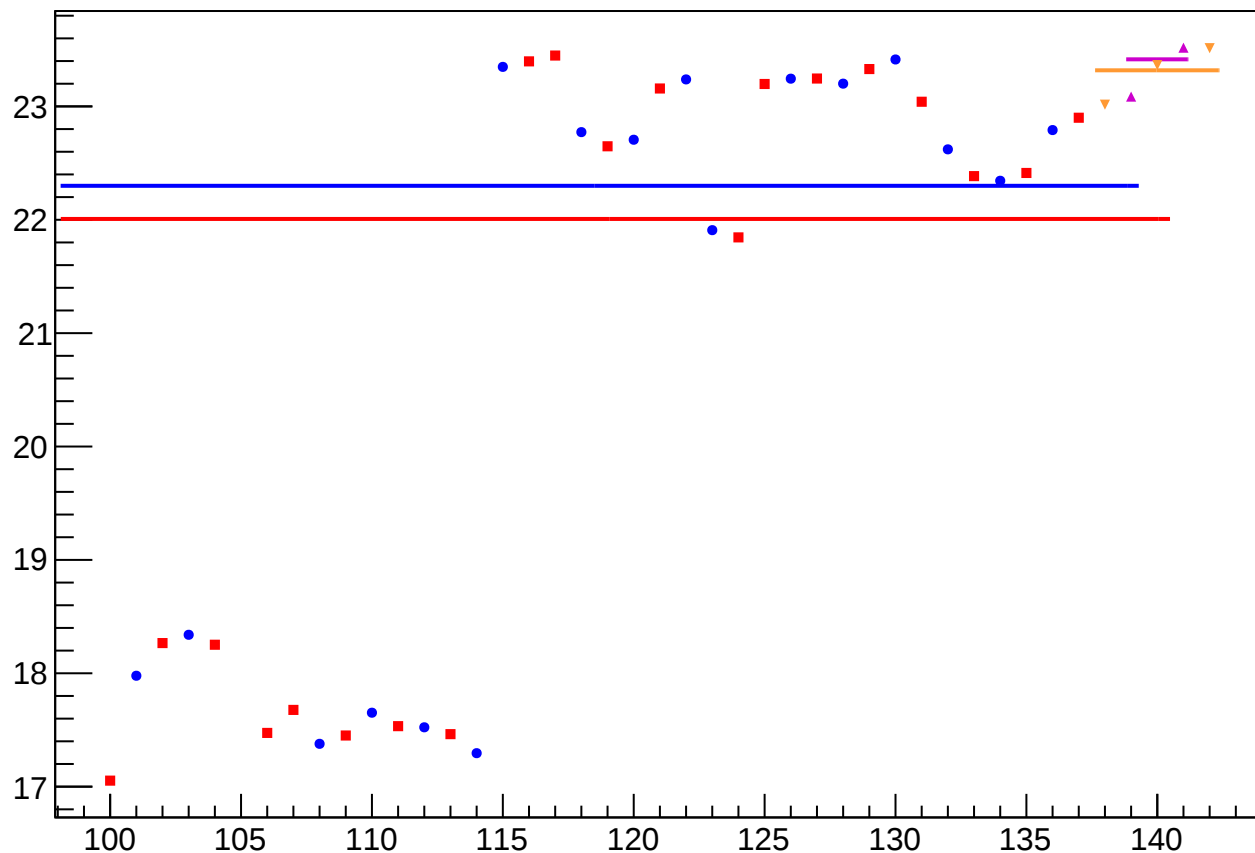
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:10102.9/1

0.011 $\pm$ 0.000 χ^2 /NDF: 2332062.6/19

0.012 $\pm$ 0.000 χ^2 /NDF: 4742031.9/41

0.013 $\pm$ 0.000 χ^2 /NDF: 2359718.7/21

yield_sam2_mean vs Slug, Sign Corrected



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

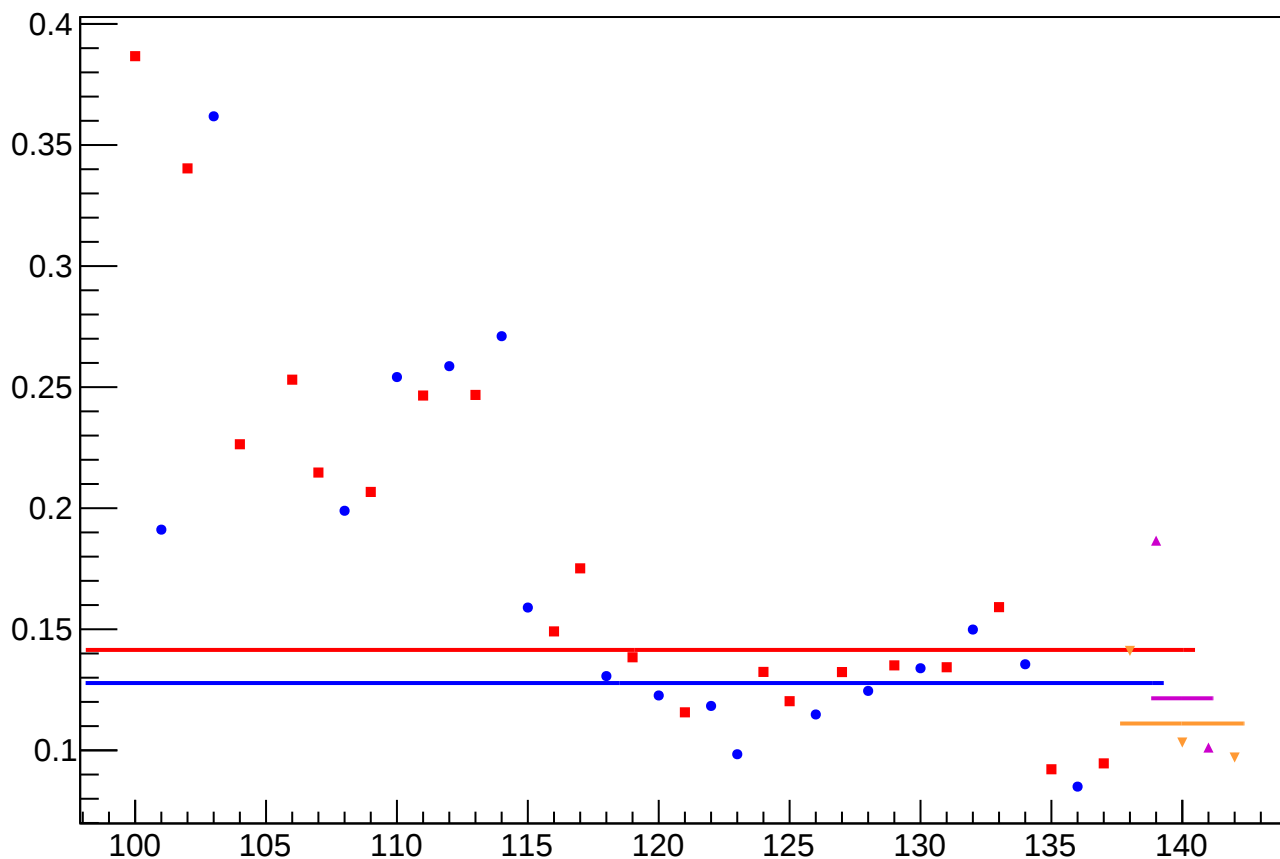
Left In: 23.415+/-0.000 χ^2/NDF : 2936316.4/1

22.595+/-0.000 χ^2/NDF : 1035982637.3/19

22.481+/-0.000 χ^2/NDF : 2251296871.3/4

22.344+/-0.000 χ^2/NDF : 1202795782.4/21

yield_sam2_rms vs Slug, Sign Corrected



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

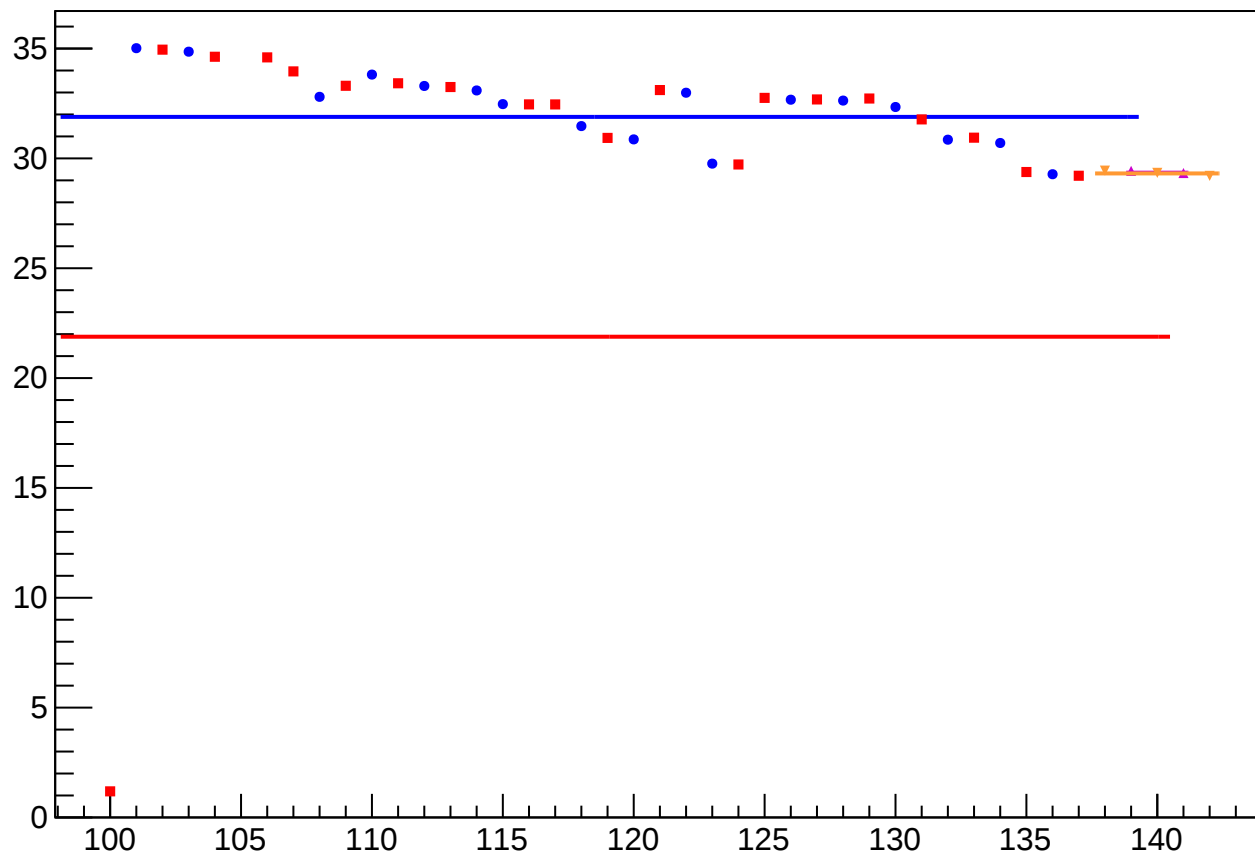
Left In: 0.121 +/- 0.000 χ^2/NDF : 230346.6/1

0.123 +/- 0.000 χ^2/NDF : 1621525.1/19

0.129 +/- 0.000 χ^2/NDF : 3431852.0/41

0.137 +/- 0.000 χ^2/NDF : 1735330.8/21

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 29.315+/-0.000 χ^2/NDF : 1891129.4/2

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

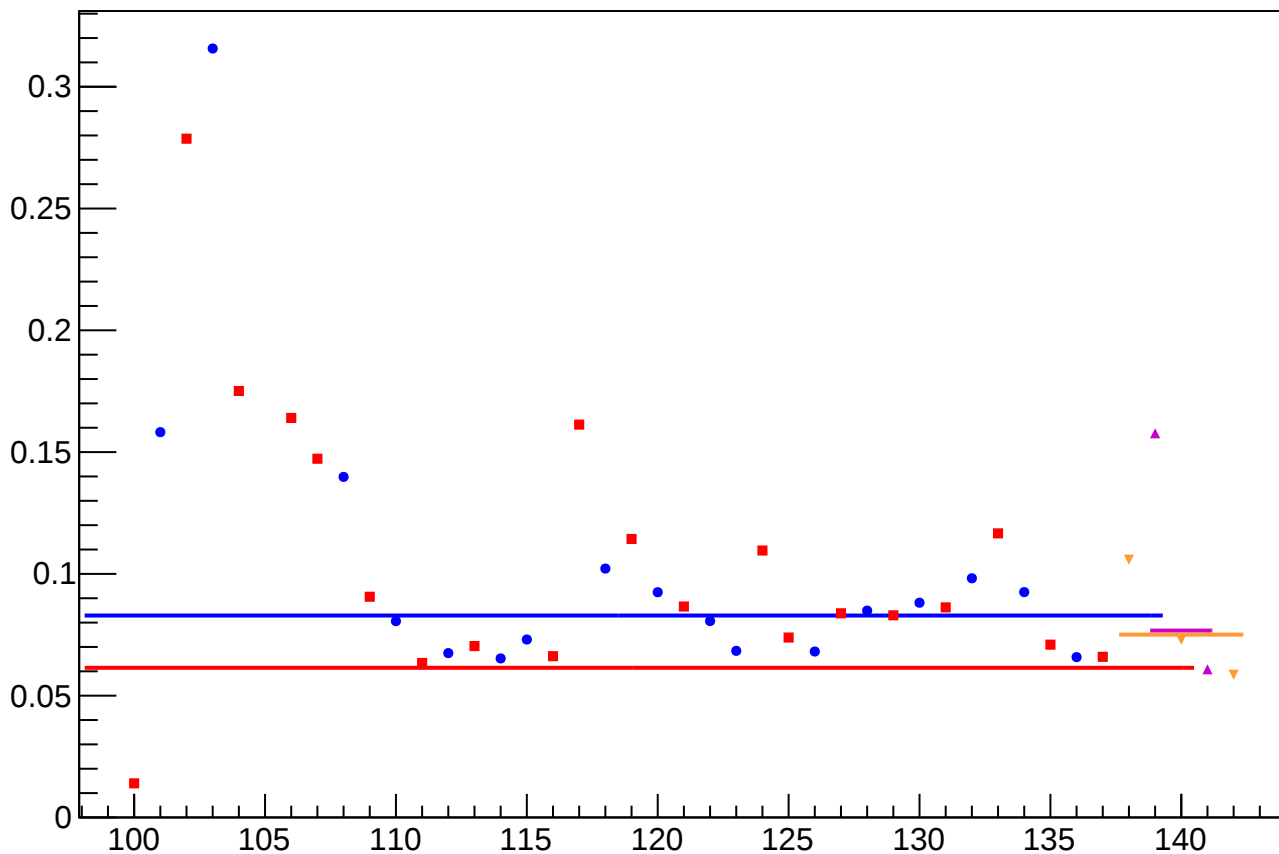
Left In: 29.350+/-0.000 χ^2/NDF : 232376.5/1

31.264+/-0.000 χ^2/NDF : 3079288389.3/19

26.530+/-0.000 χ^2/NDF : 278844355782.8

22.939+/-0.000 χ^2/NDF : 238656866202.1/21

yield_sam3_rms vs Slug, Sign Corrected



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

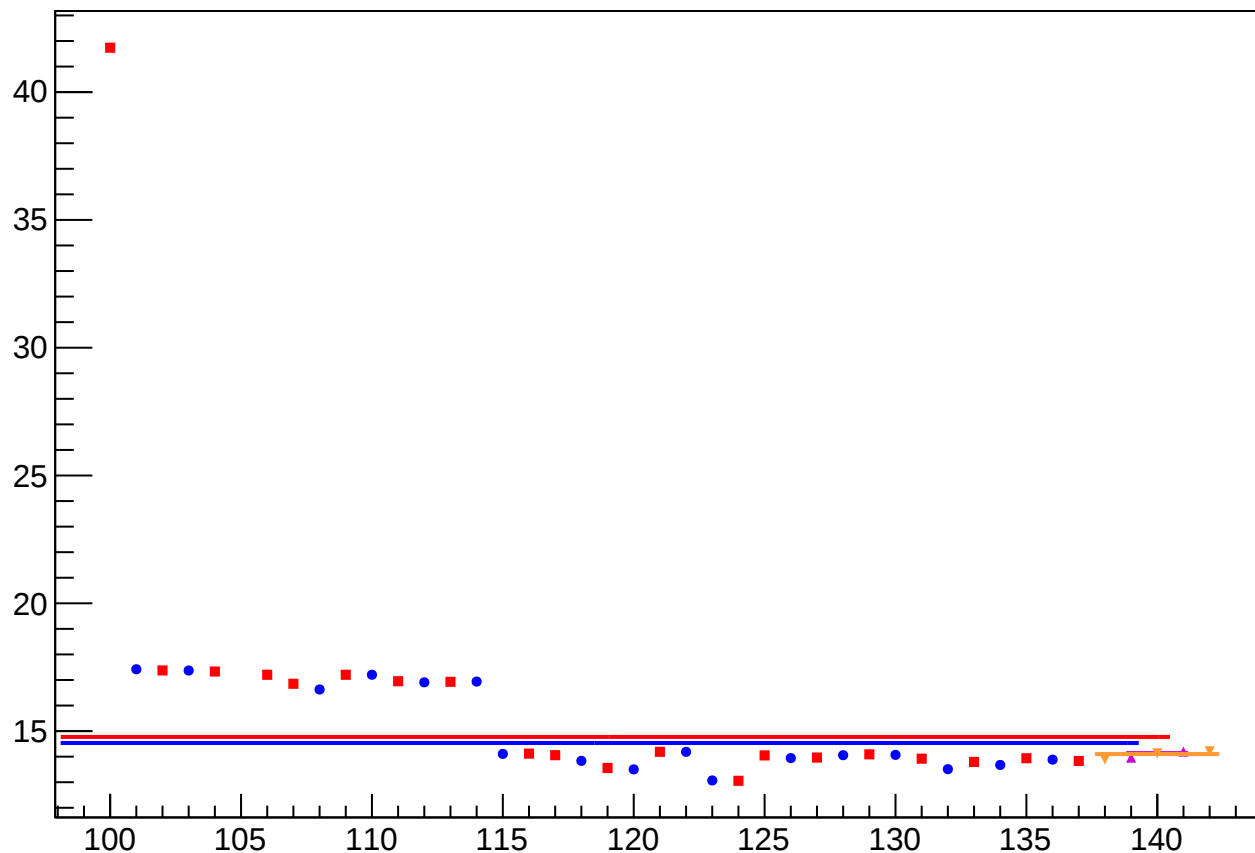
Left In: 0.077+/-0.000 χ^2/NDF : 452252.0/1

0.081+/-0.000 χ^2/NDF : 1325690.4/19

0.071+/-0.000 χ^2/NDF : 5808170.7/41

0.064+/-0.000 χ^2/NDF : 4158366.0/21

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.102+/-0.000 χ^2/NDF : 3774963.4/2

Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

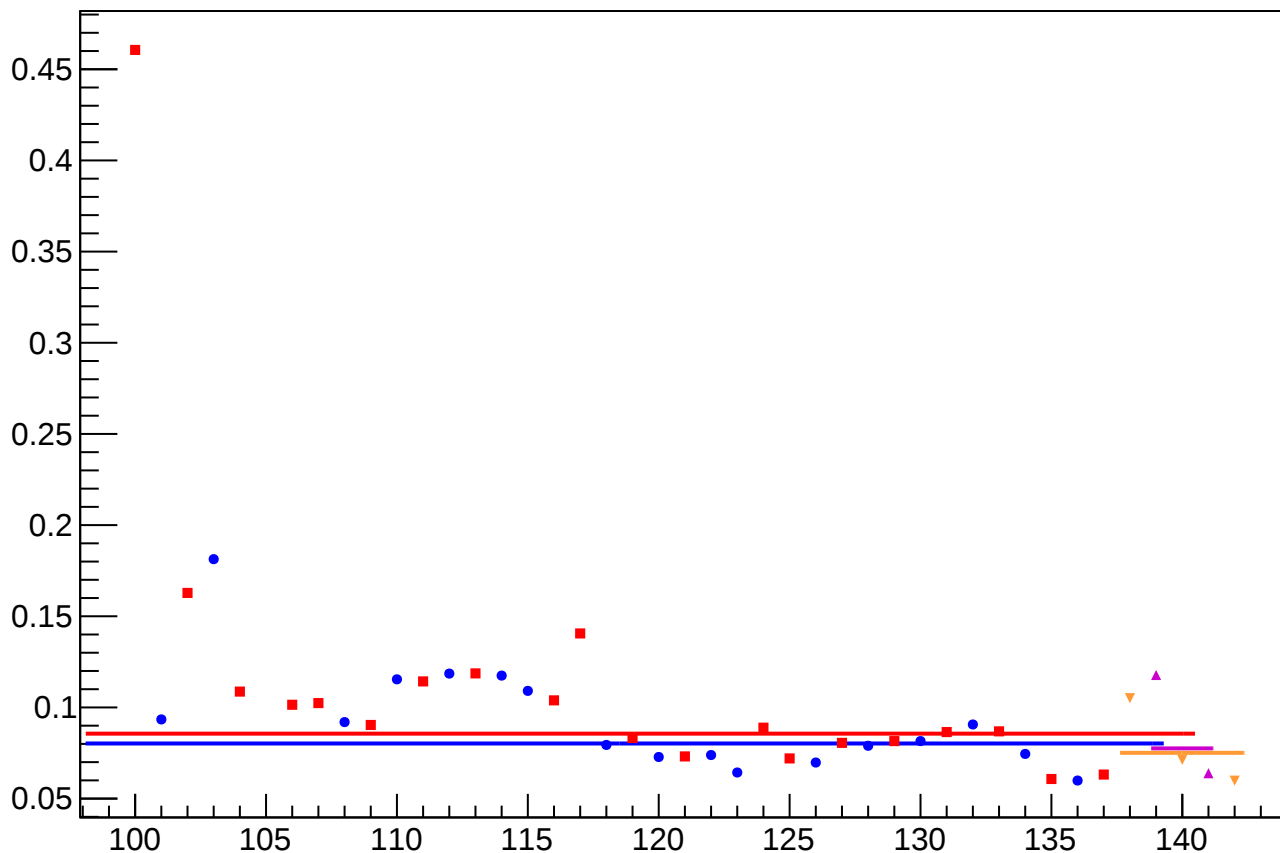
Left In: 14.139+/-0.000 χ^2/NDF : 2122341.4/1

14.436+/-0.000 χ^2/NDF : 1511266598.9/19

14.536+/-0.000 χ^2/NDF : 3488855116.8/4

14.645+/-0.000 χ^2/NDF : 1954409909.9/21

yield_sam4_rms vs Slug, Sign Corrected



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

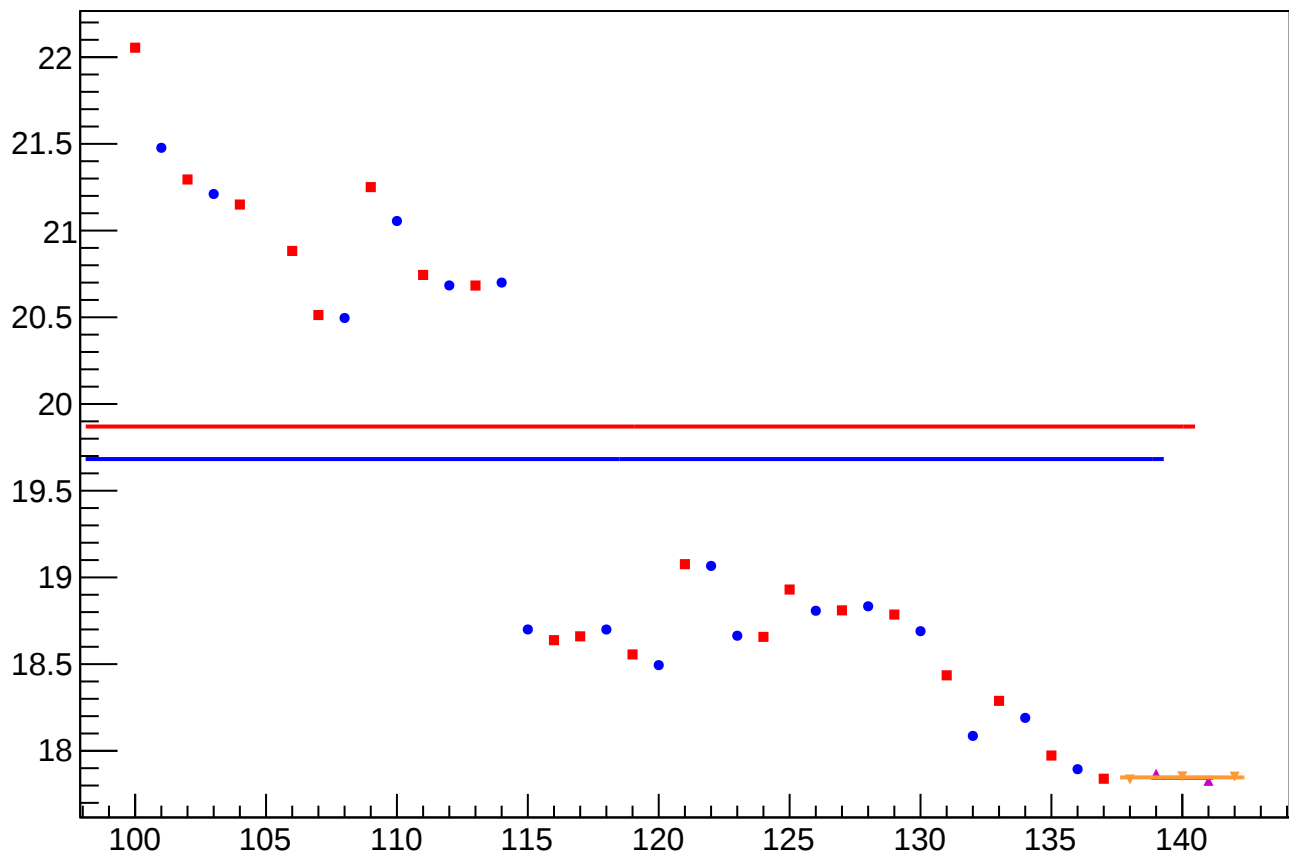
Left In: 0.078 +/- 0.000 χ^2/NDF : 220824.9/1

0.079 +/- 0.000 χ^2/NDF : 936968.2/19

0.081 +/- 0.000 χ^2/NDF : 1955108.8/41

0.084 +/- 0.000 χ^2/NDF : 992167.5/21

yield_sam5_mean vs Slug, Sign Corrected



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

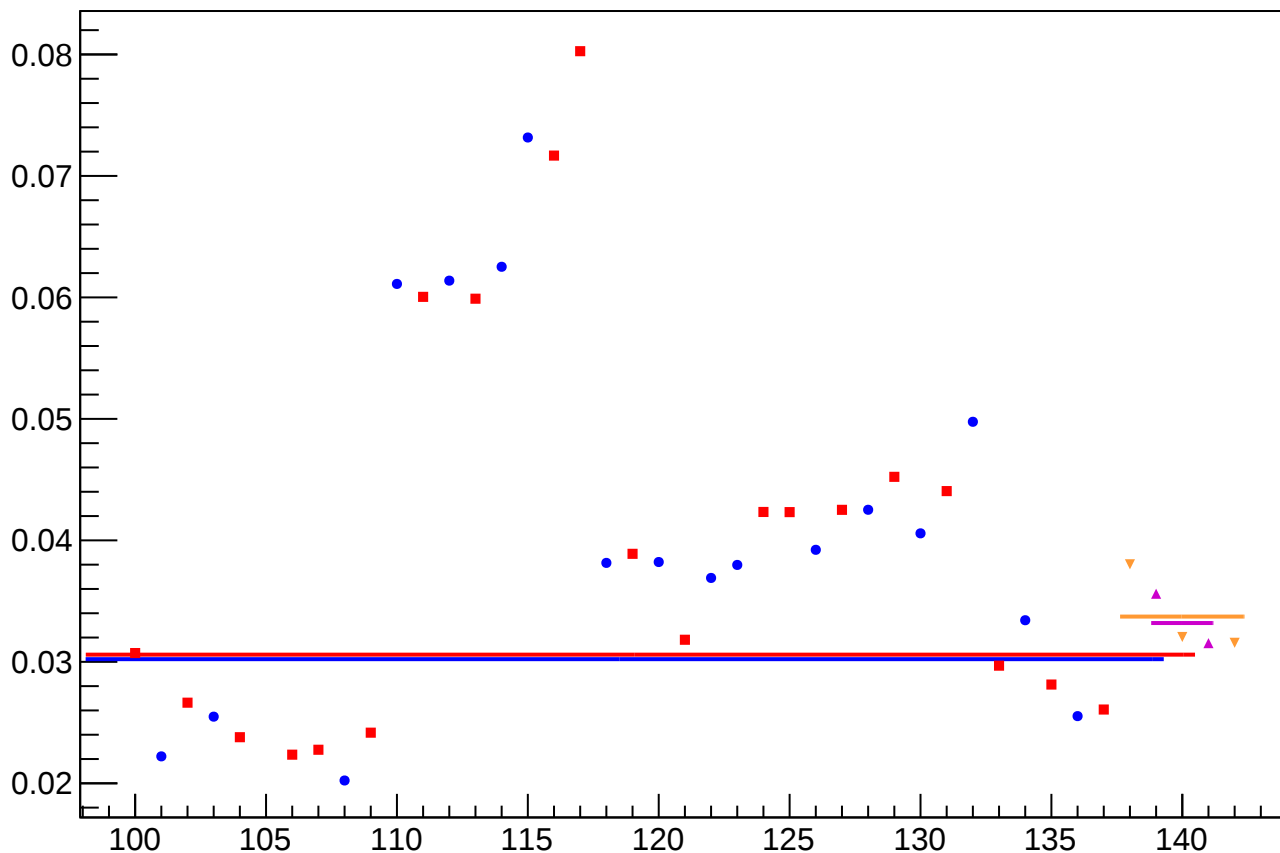
Left In: 17.844+/-0.000 χ^2/NDF : 557980.4/1

19.301+/-0.000 χ^2/NDF : 16556907741.5/19

19.407+/-0.000 χ^2/NDF : 32643424063.8/19

19.513+/-0.000 χ^2/NDF : 15913985977.4/21

yield_sam5_rms vs Slug, Sign Corrected



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

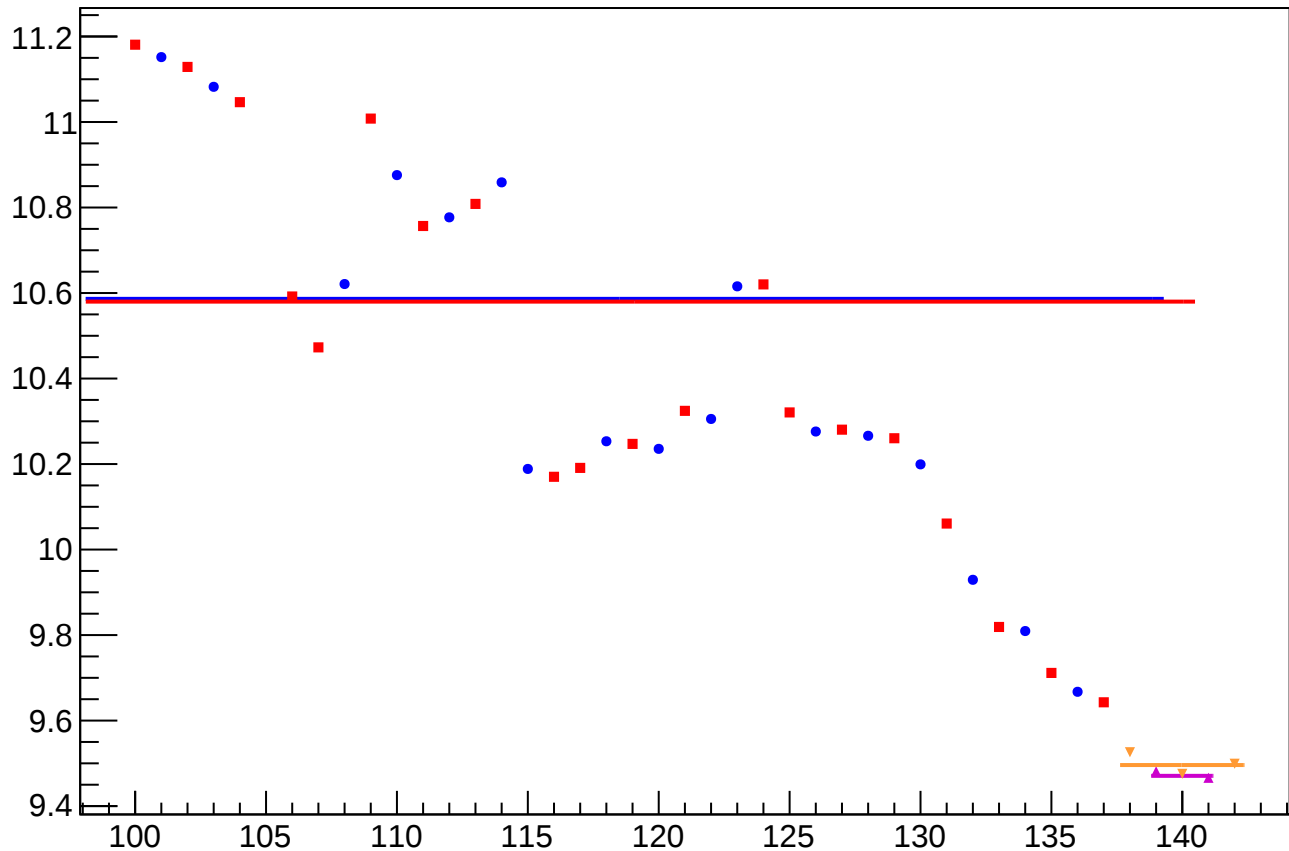
Left In: 0.033+/-0.000 χ^2/NDF : 10819.0/1

0.031+/-0.000 χ^2/NDF : 1381472.5/19

0.031+/-0.000 χ^2/NDF : 2626716.1/41

0.031+/-0.000 χ^2/NDF : 1245162.6/21

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.496+/-0.000 χ^2/NDF : 2183652.7/2

Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

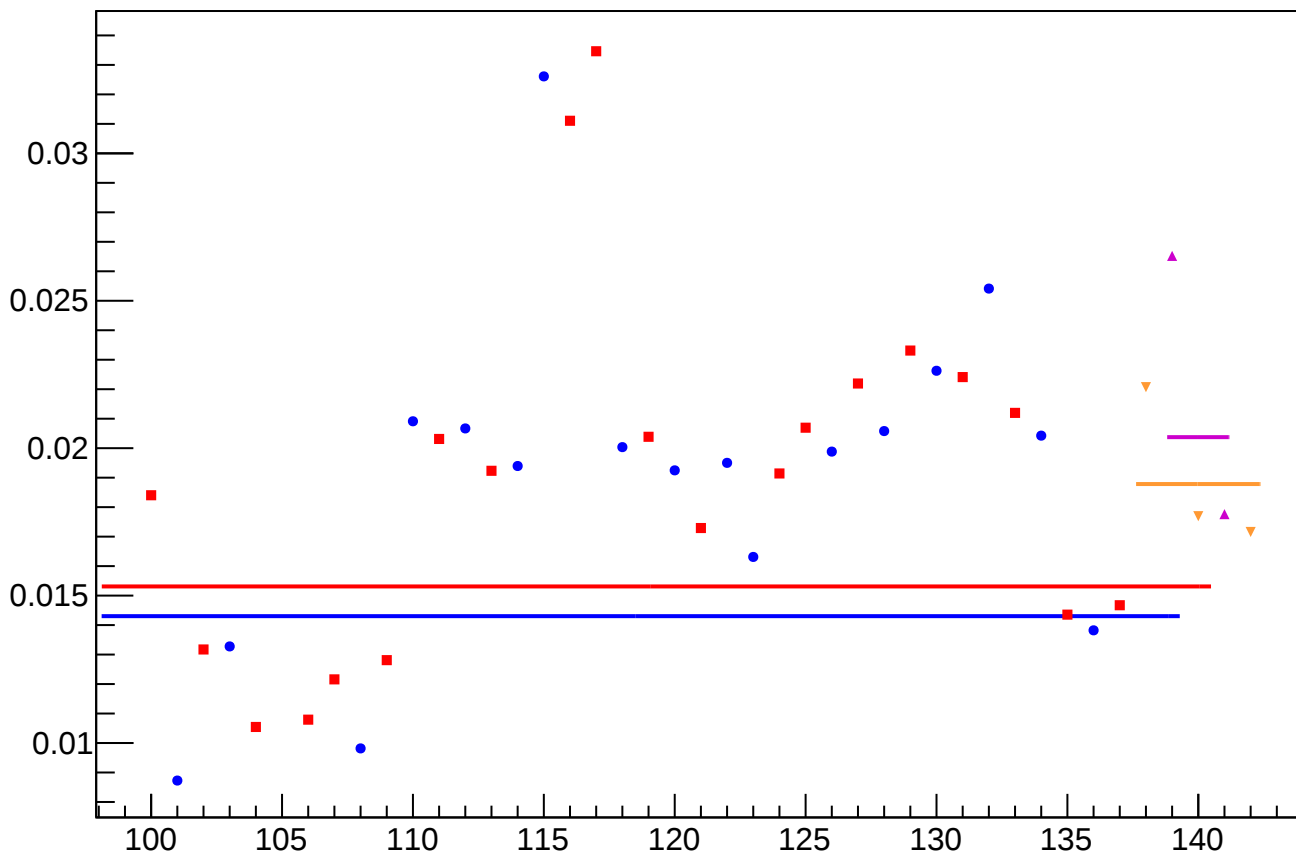
Left In: 9.471+/-0.000 χ^2/NDF : 167571.3/1

10.414+/-0.000 χ^2/NDF : 12324201304.7/19

10.430+/-0.000 χ^2/NDF : 21823482819.6/19

10.448+/-0.000 χ^2/NDF : 9482172200.4/21

yield_sam6_rms vs Slug, Sign Corrected



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

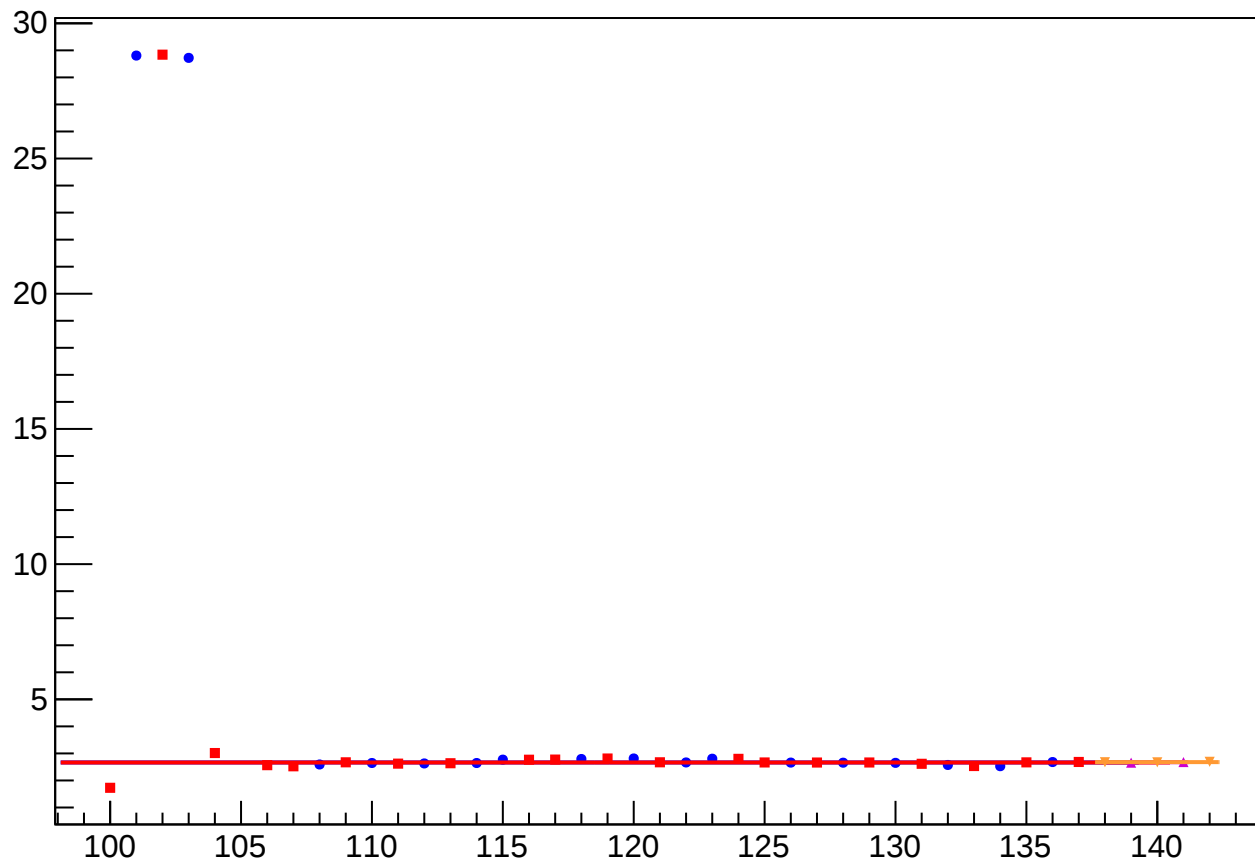
Left In: 0.020+/-0.000 χ^2/NDF : 110056.6/1

0.015+/-0.000 χ^2/NDF : 1615589.4/19

0.015+/-0.000 χ^2/NDF : 2916164.7/41

0.016+/-0.000 χ^2/NDF : 1276319.0/21

yield_sam7_mean vs Slug, Sign Corrected



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

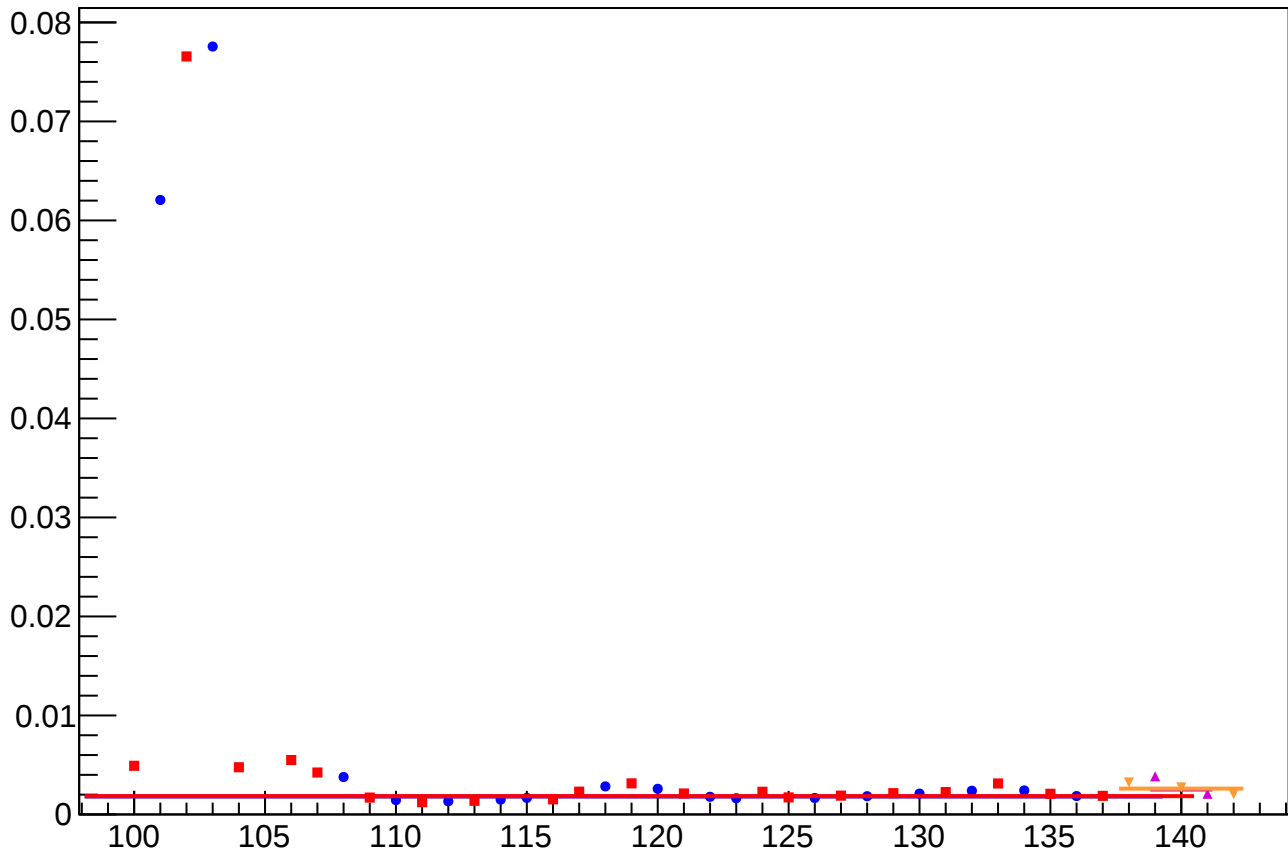
Left In: 2.676+/-0.000 χ^2/NDF : 18167006.6/1

2.668+/-0.000 χ^2/NDF : 163214137891.7/19

2.667+/-0.000 χ^2/NDF : 233743171963.5/19

2.665+/-0.000 χ^2/NDF : 70524480123.1/21

yield_sam7_rms vs Slug, Sign Corrected



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

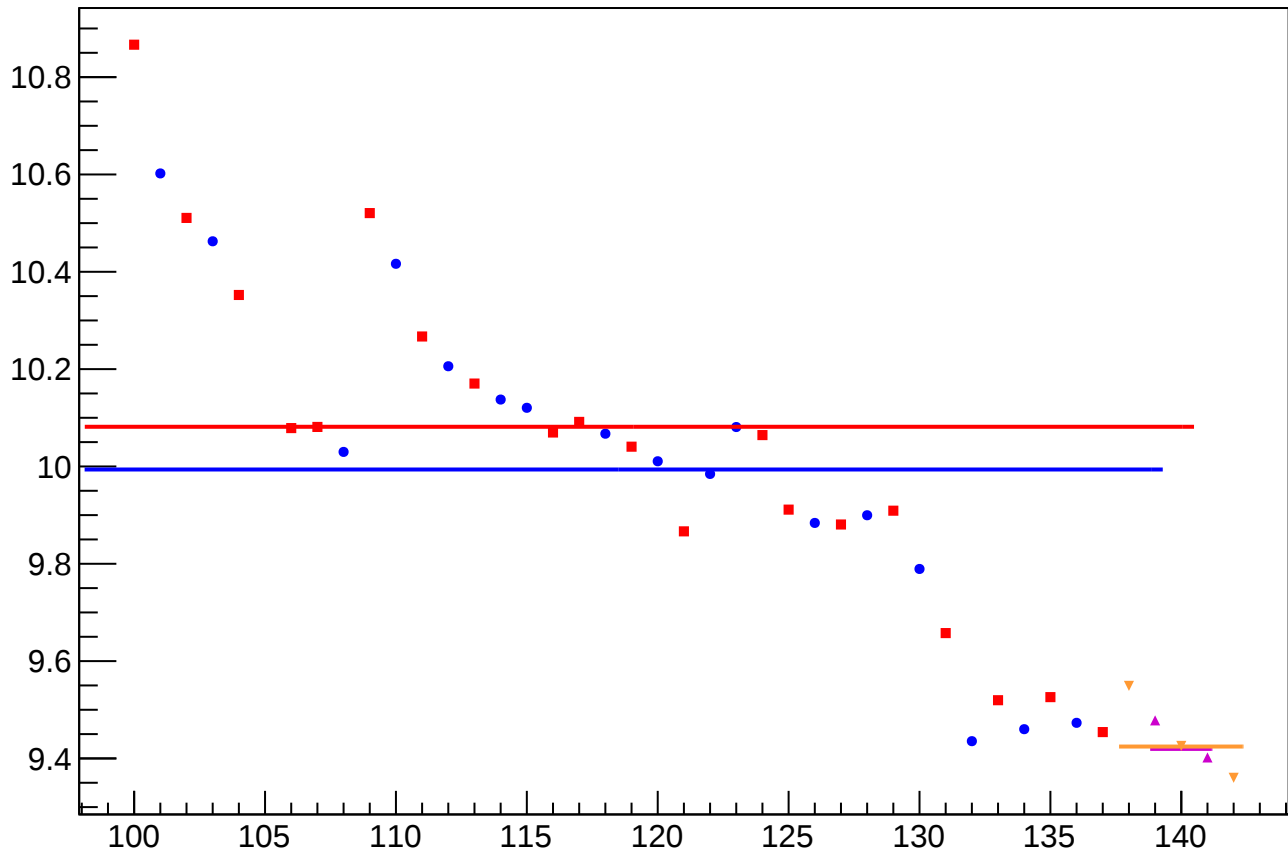
Left In: 0.003+/-0.000 χ^2/NDF :221410.4/1

0.002+/-0.000 χ^2/NDF : 2997875.9/19

0.002+/-0.000 χ^2/NDF : 5706052.5/41

0.002+/-0.000 χ^2/NDF : 2708175.8/21

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.424 $\pm$ 0.000 χ^2 /NDF:128064089.9/2

9.927 $\pm$ 0.000 χ^2 /NDF: 25829390643.6/19

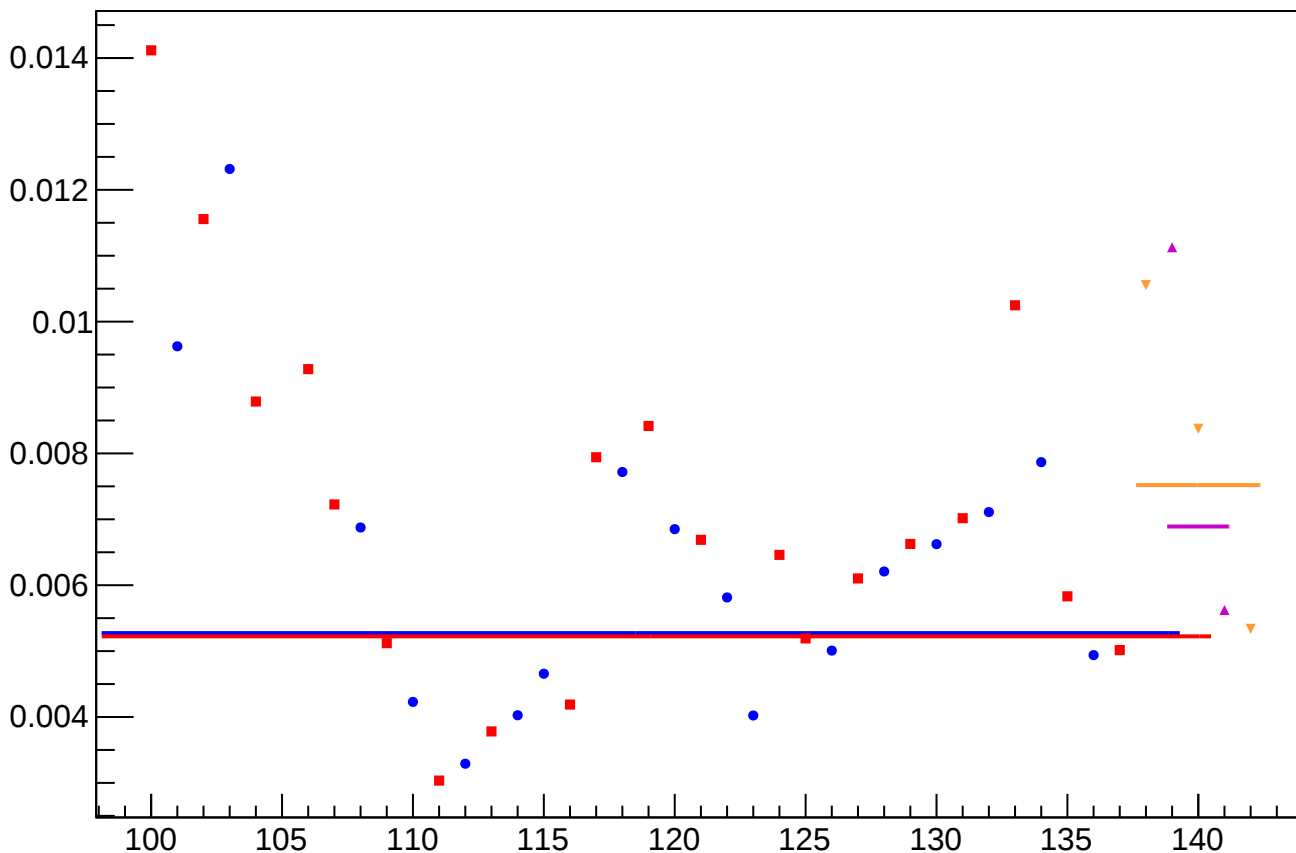
9.969 $\pm$ 0.000 χ^2 /NDF: 51369670063.5/4

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502760782.3/19

10.009 $\pm$ 0.000 χ^2 /NDF: 24836211704.2/21

Left In: 9.420 $\pm$ 0.000 χ^2 /NDF:24546410.1/1

yield_sam8_rms vs Slug, Sign Corrected



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

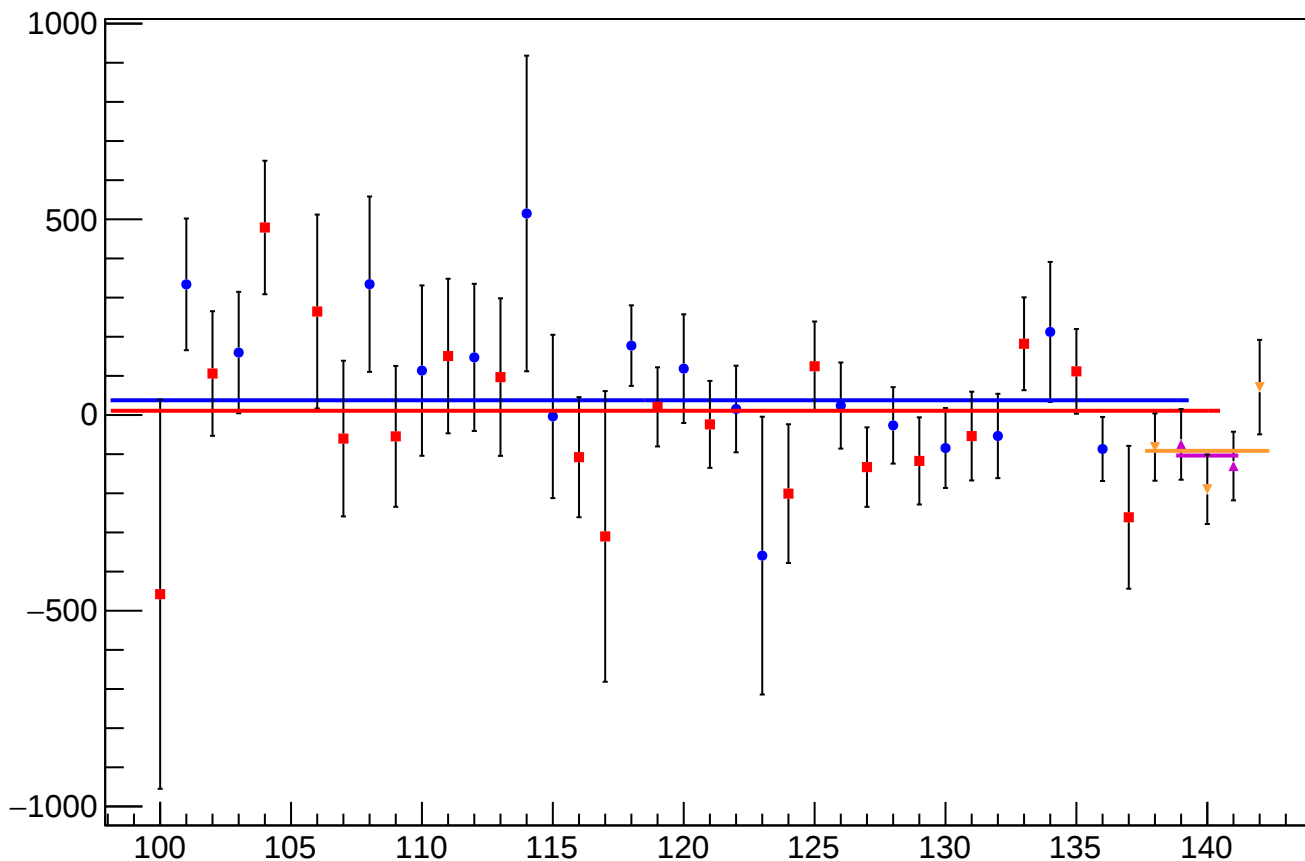
Left In: 0.007+/-0.000 χ^2/NDF : 256320.9/1

0.006+/-0.000 χ^2/NDF : 1672690.1/19

0.005+/-0.000 χ^2/NDF : 3718111.0/41

0.005+/-0.000 χ^2/NDF : 2041901.5/21

reg_asym_sam1_mean vs Slug, Sign Corrected



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

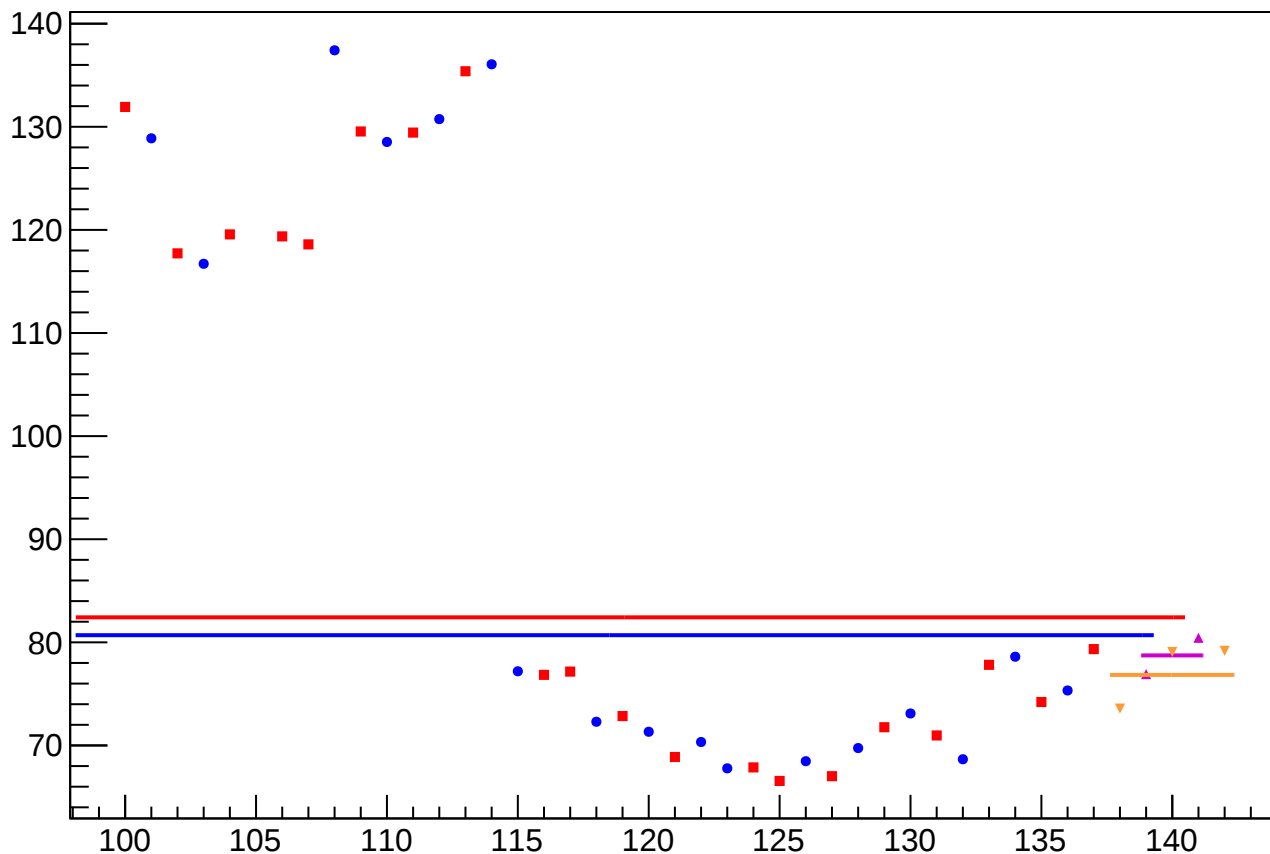
Left In: -103.522 $\pm$ 62.898 χ^2 /NDF: 0.2/1

4.564 $\pm$ 27.813 χ^2 /NDF: 23.9/19

-3.803 $\pm$ 19.900 χ^2 /NDF: 50.4/41

-12.578 $\pm$ 28.484 χ^2 /NDF: 26.3/21

reg_asym_sam1_rms vs Slug, Sign Corrected



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

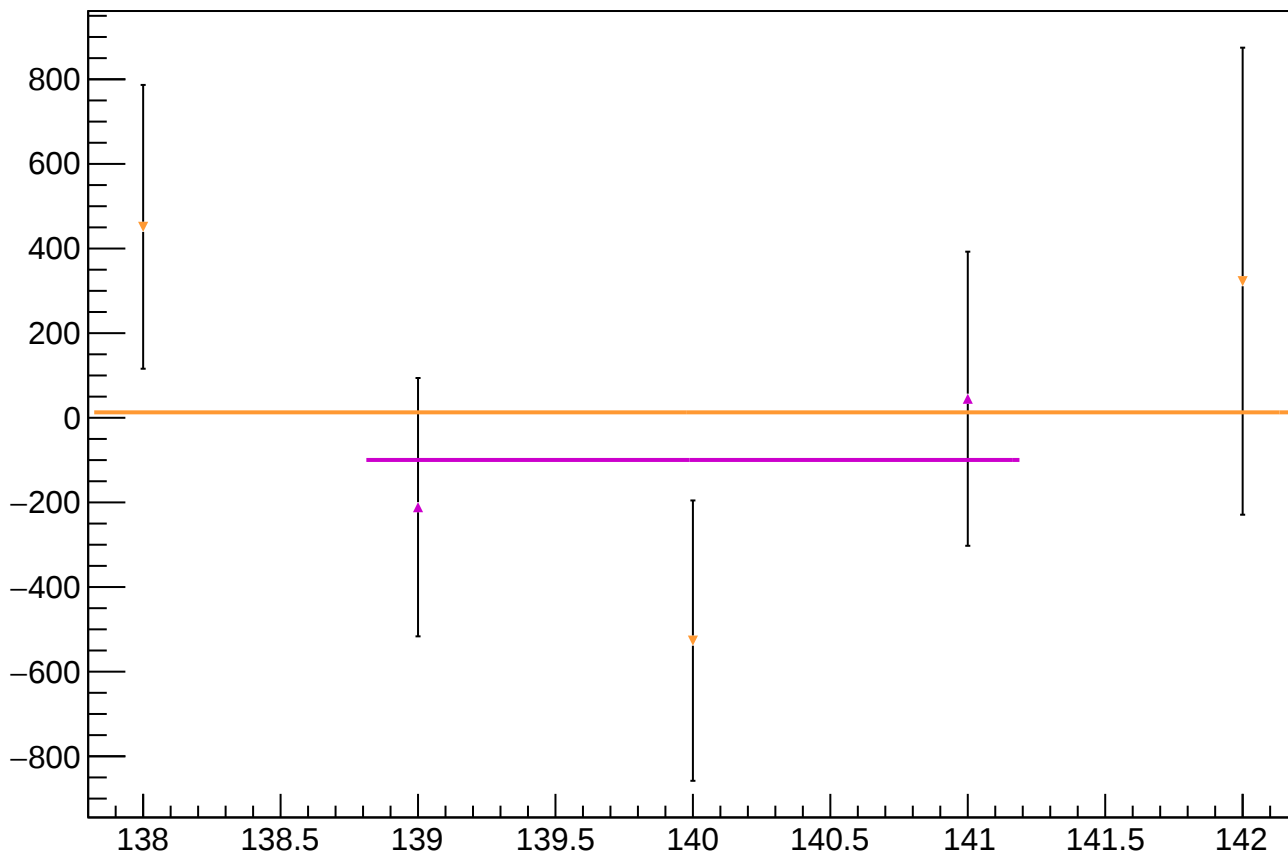
Left In: 78.733 $\pm$ 0.044 χ^2 /NDF:1567.0/1

79.706 $\pm$ 0.020 χ^2 /NDF: 826254.0/19

80.663 $\pm$ 0.014 χ^2 /NDF: 1753434.1/41

81.667 $\pm$ 0.020 χ^2 /NDF: 922325.3/21

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 12.849 +/- 216.748 χ^2/NDF : 4.7/2

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

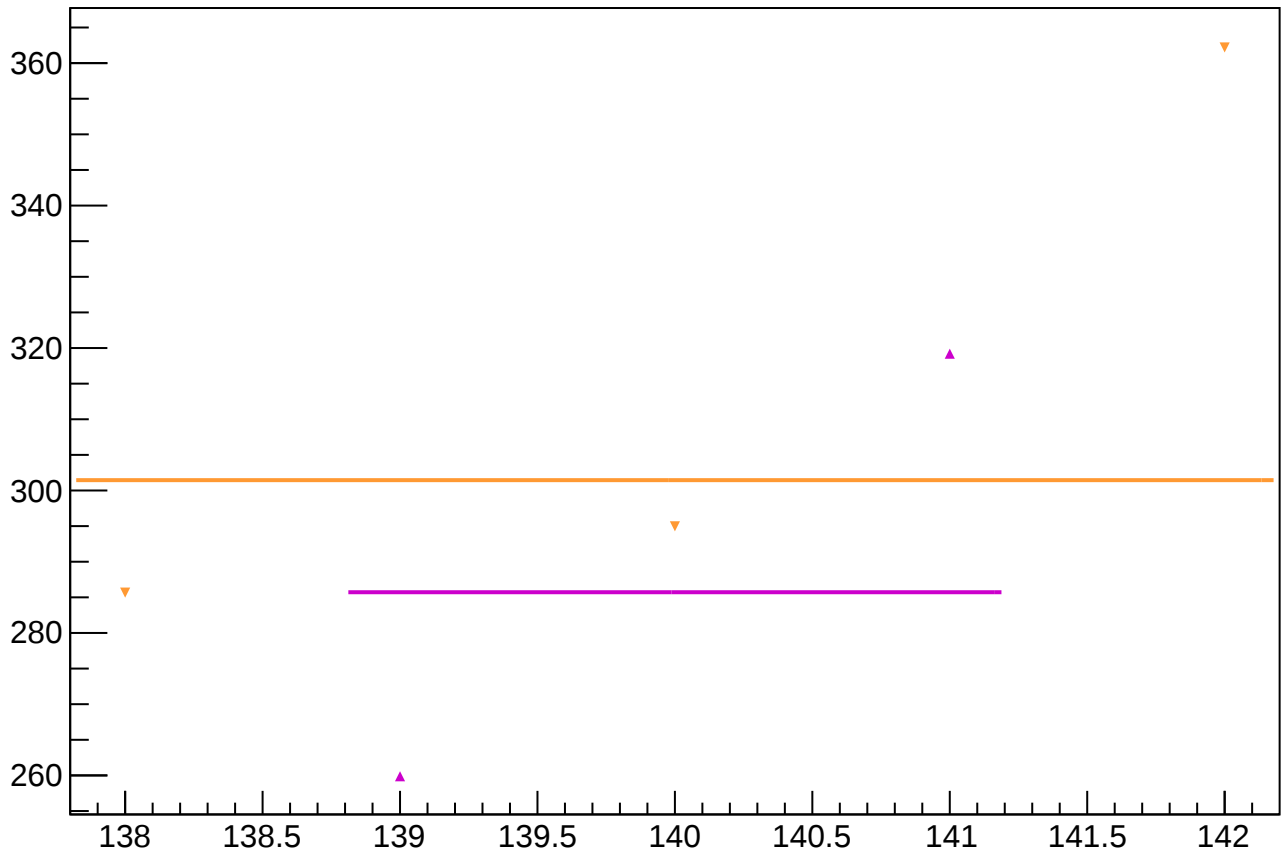
Left In: -99.648 +/- 229.372 χ^2/NDF : 0.3/1

12.849 +/- 216.748 χ^2/NDF : 4.7/2

-40.219 +/- 157.538 χ^2/NDF : 5.1/4

-99.648 +/- 229.372 χ^2/NDF : 0.3/1

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 301.452+/-0.153 χ^2/NDF : 29428.6/2

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

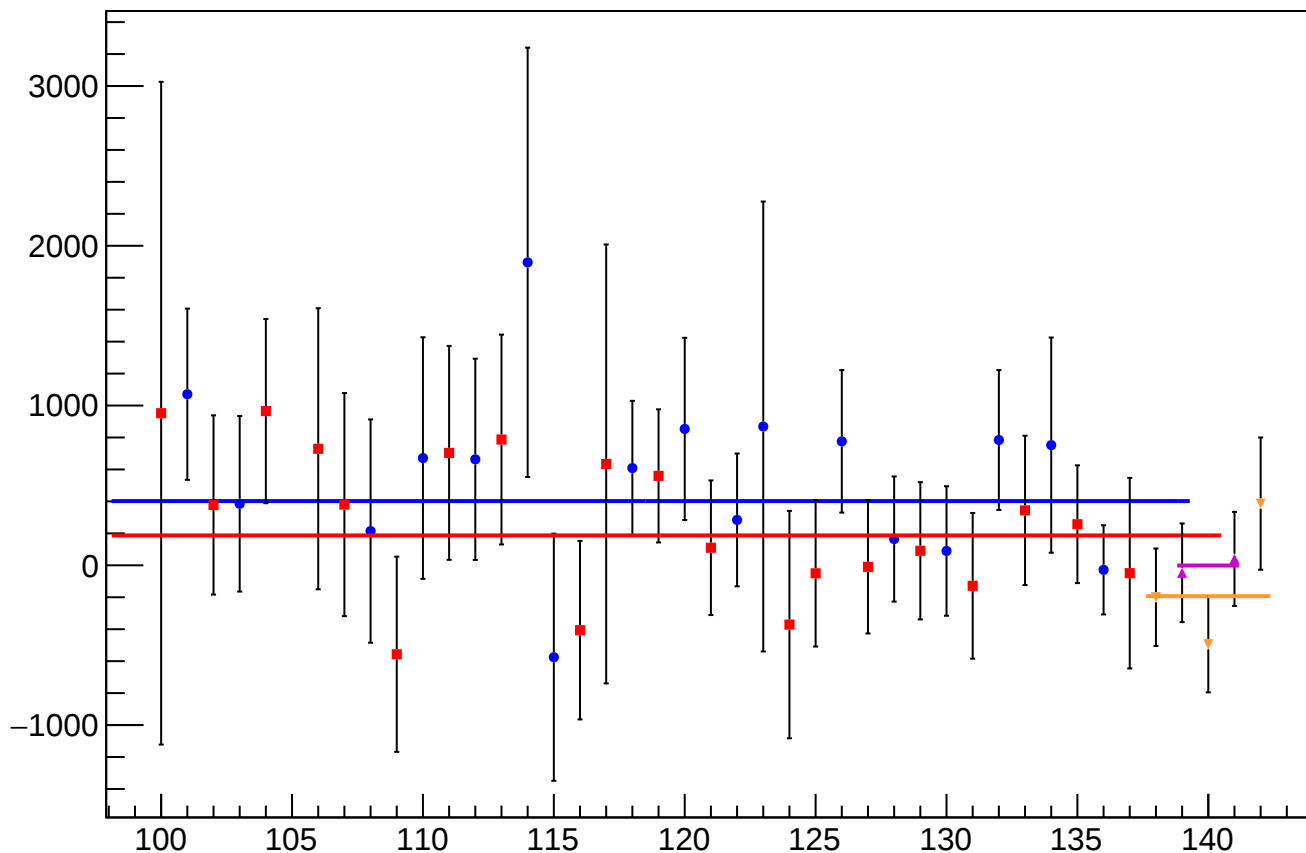
Left In: 285.717+/-0.162 χ^2/NDF : 32889.4/1

301.452+/-0.153 χ^2/NDF : 29428.6/2

294.030+/-0.111 χ^2/NDF : 67290.0/4

285.717+/-0.162 χ^2/NDF : 32889.4/1

reg_asym_sam2_mean vs Slug, Sign Corrected



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

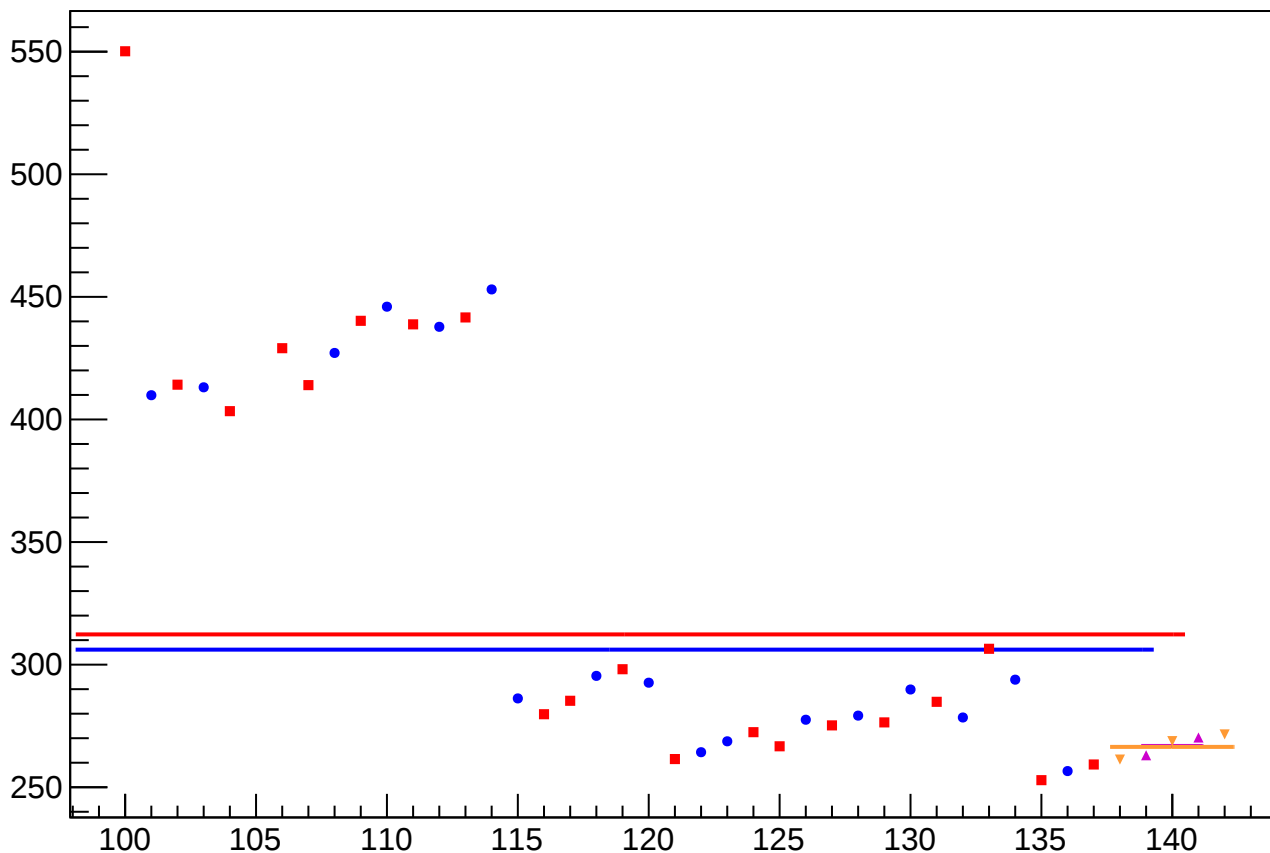
Left In: -1.329+/-213.066 χ^2/NDF : 0.0/1

230.581+/-102.151 χ^2/NDF : 20.8/19

187.118+/-73.040 χ^2/NDF : 31.3/41

141.652+/-104.477 χ^2/NDF : 10.1/21

reg_asym_sam2_rms vs Slug, Sign Corrected



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

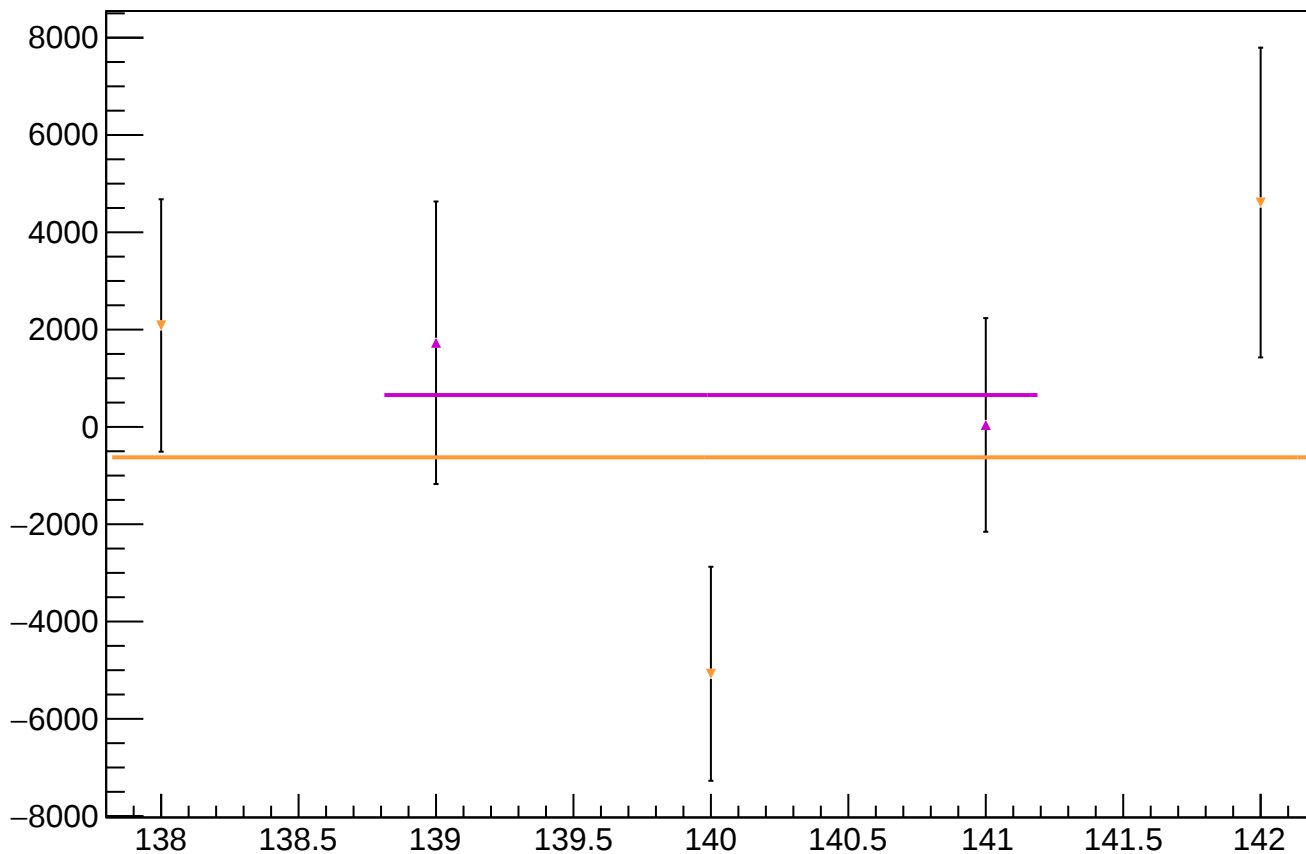
Left In: 266.840+/-0.151 χ^2/NDF : 576.4/1

294.706+/-0.072 χ^2/NDF : 571248.6/19

297.976+/-0.052 χ^2/NDF : 1271829.9/41

301.396+/-0.074 χ^2/NDF : 696389.4/21

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -625.091+/-1484.061 χ^2/NDF : 7.9/2

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

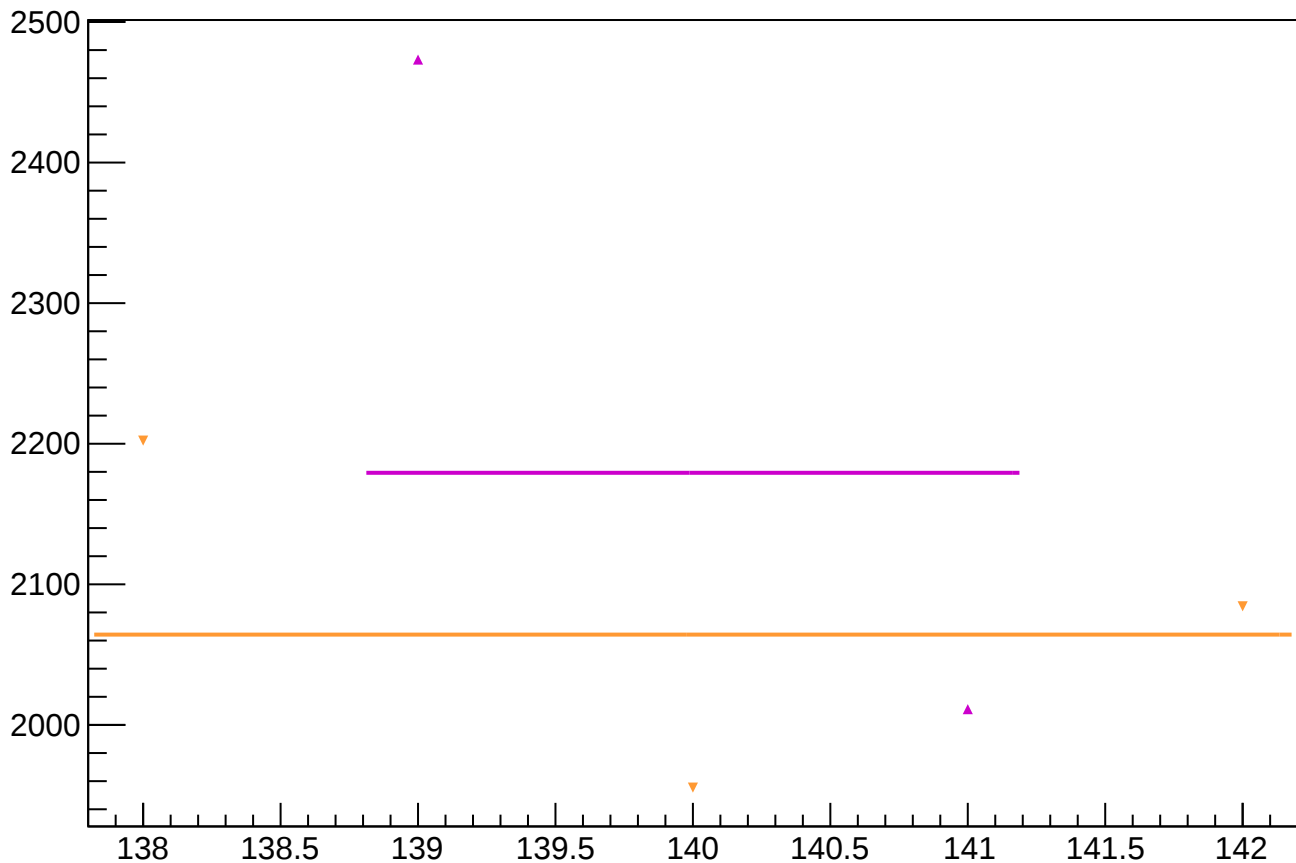
Left In: 655.197+/-1751.345 χ^2/NDF : 0.2/1

-625.091+/-1484.061 χ^2/NDF : 7.9/2

-89.997+/-1132.225 χ^2/NDF : 8.4/4

655.197+/-1751.345 χ^2/NDF : 0.2/1

asym_sam2_correction_rms vs Slug, Sign Corrected



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

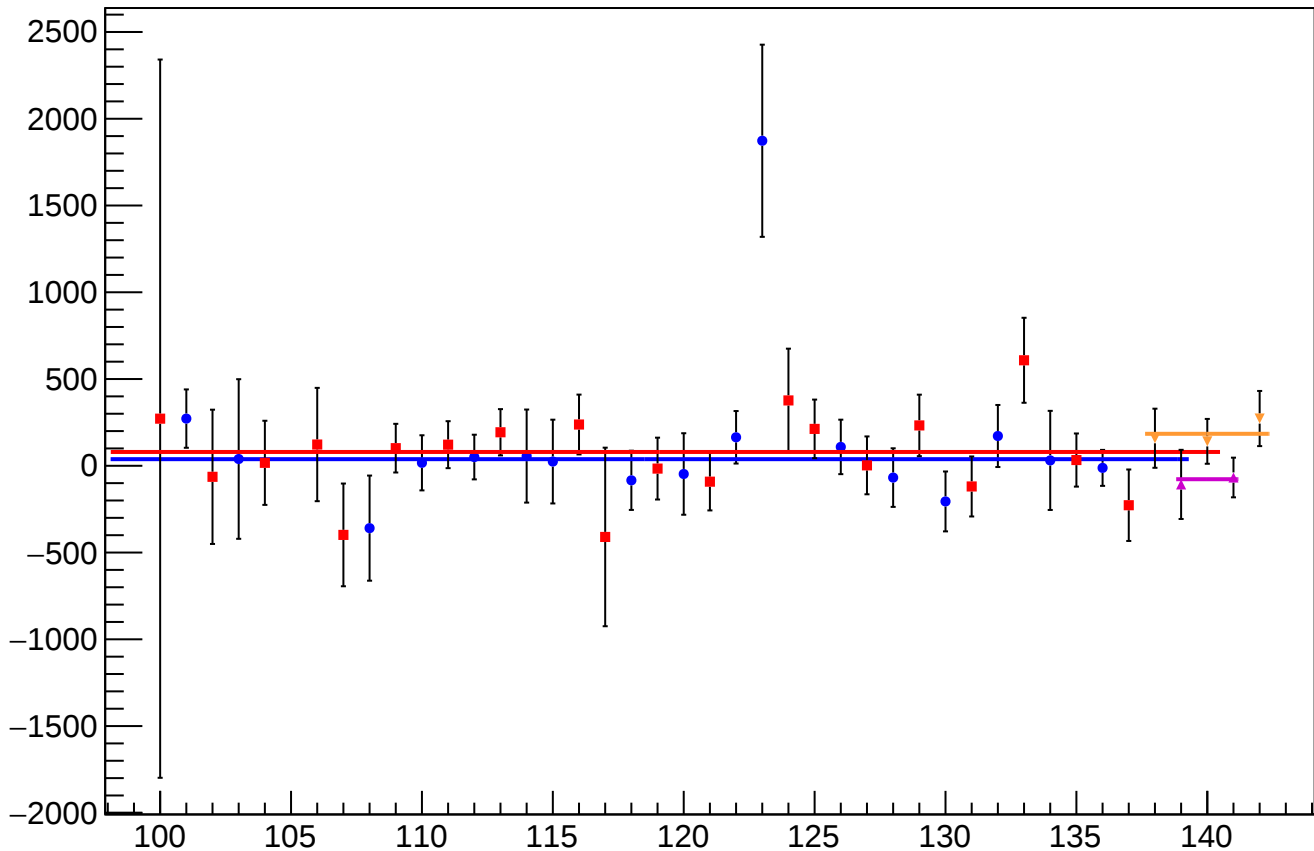
Left In: 2179.333+/-1.238 χ^2/NDF : 32223.4/1

2064.239+/-1.049 χ^2/NDF : 10637.1/2

2112.343+/-0.801 χ^2/NDF : 47888.0/4

2179.333+/-1.238 χ^2/NDF : 32223.4/1

reg_asym_sam3_mean vs Slug, Sign Corrected



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

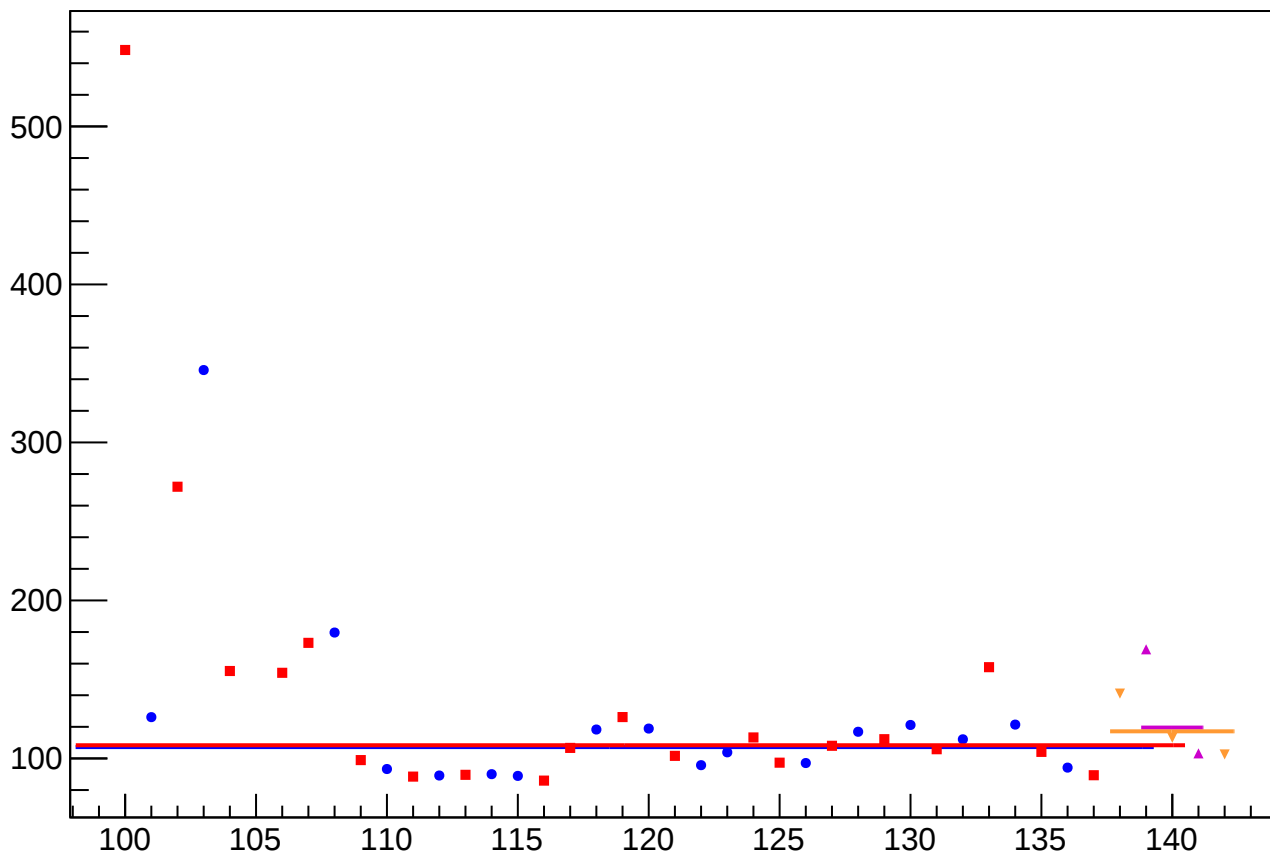
Left In: -77.383+/-99.181 χ^2/NDF : 0.0/1

67.742+/-38.888 χ^2/NDF : 22.1/19

61.391+/-27.681 χ^2/NDF : 42.0/41

54.867+/-39.411 χ^2/NDF : 19.8/21

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 117.156 $\pm$ 0.061 χ^2 /NDF: 58268.5/2

Right Out: 108.347 $\pm$ 0.030 χ^2 /NDF: 917309.2/19

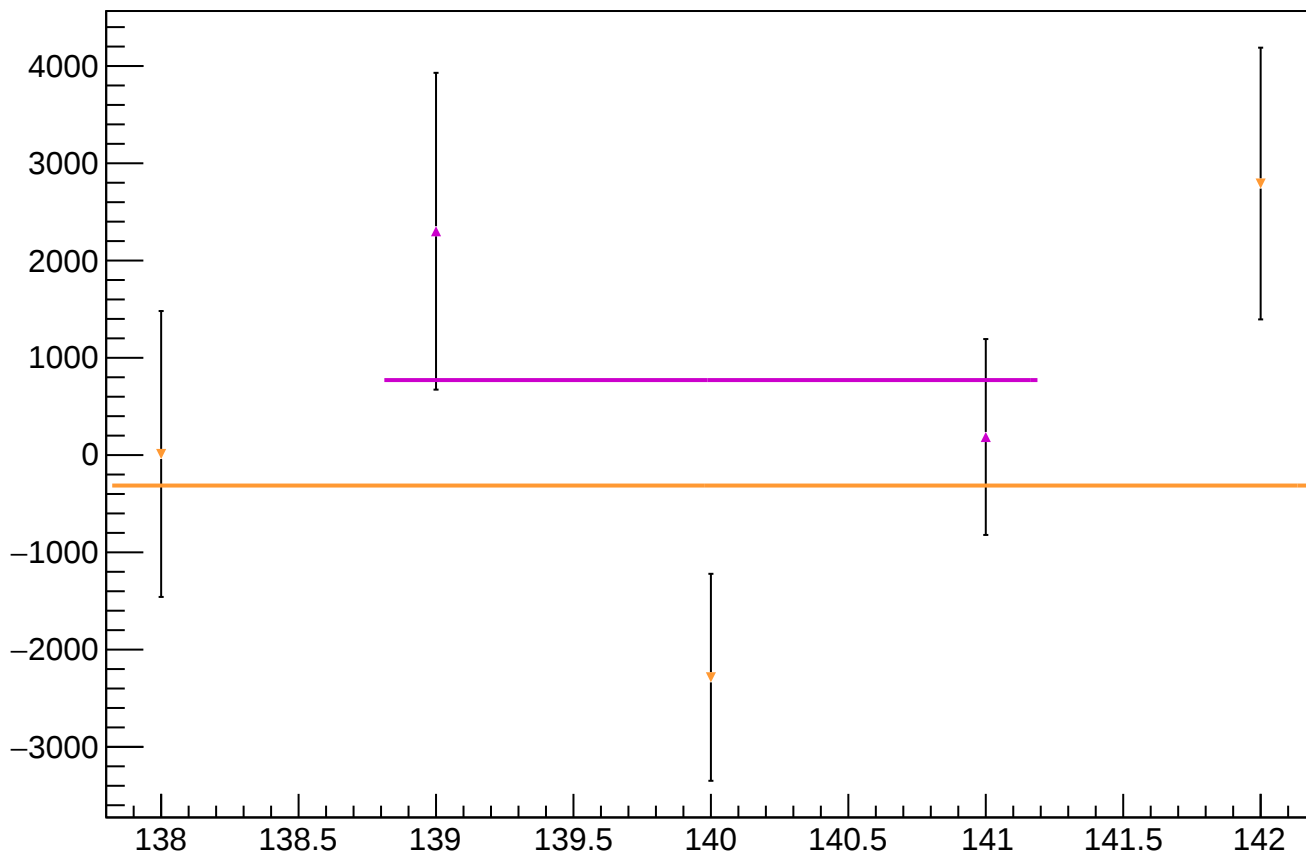
Left In: 119.522 $\pm$ 0.070 χ^2 /NDF: 164363.5/1

109.208 $\pm$ 0.027 χ^2 /NDF: 922605.9/19

109.654 $\pm$ 0.020 χ^2 /NDF: 2026193.0/41

110.112 $\pm$ 0.028 χ^2 /NDF: 1103054.3/21

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -313.173 $\pm$ 733.490 χ^2 /NDF: 8.4/2

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

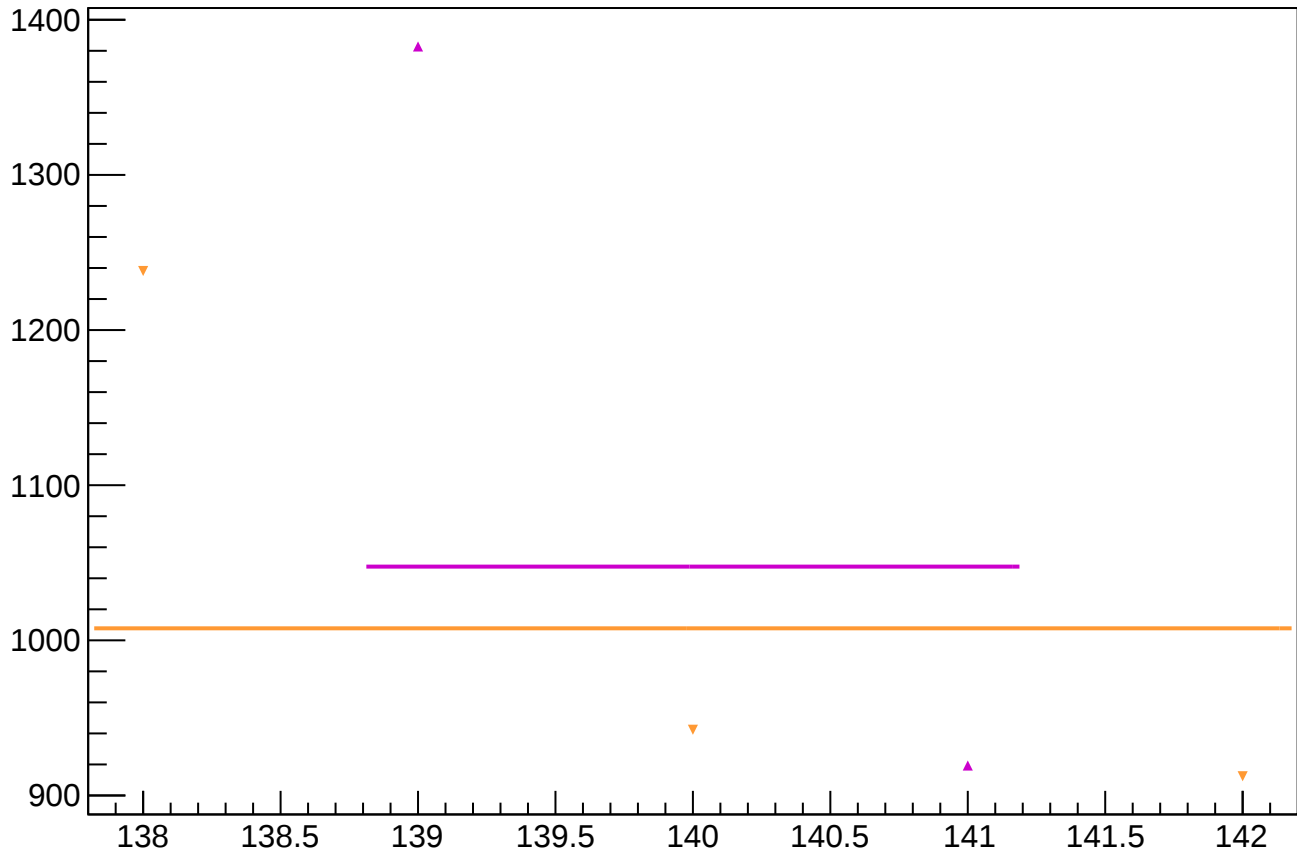
Left In: 771.111 $\pm$ 856.510 χ^2 /NDF: 1.2/1

-313.173 $\pm$ 733.490 χ^2 /NDF: 8.4/2

145.576 $\pm$ 557.120 χ^2 /NDF: 10.6/4

771.111 $\pm$ 856.510 χ^2 /NDF: 1.2/1

asym_sam3_correction_rms vs Slug, Sign Corrected



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

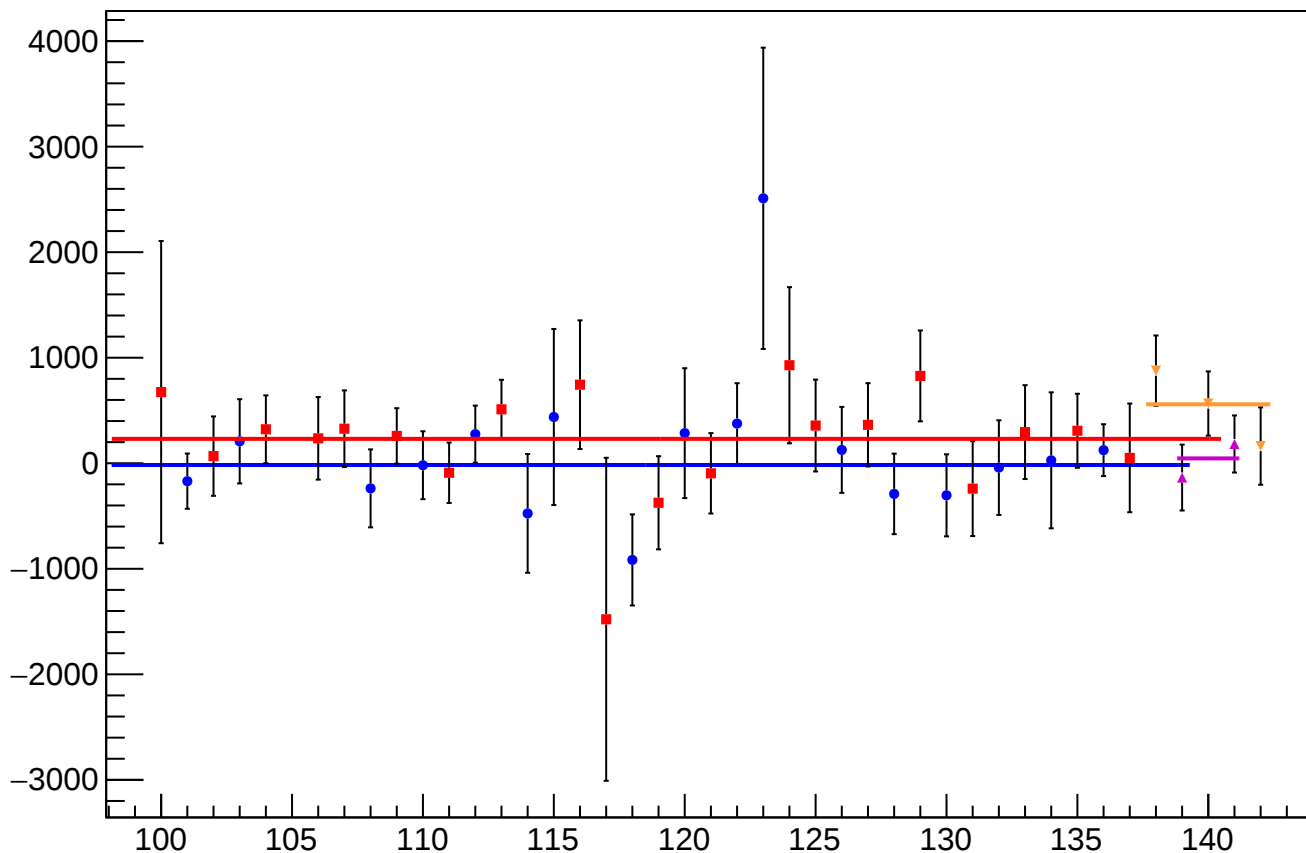
Left In: 1047.526+/-0.606 χ^2 /NDF: 117192.0/1

1007.745+/-0.519 χ^2 /NDF: 65984.4/2

1024.576+/-0.394 χ^2 /NDF: 185665.3/4

1047.526+/-0.606 χ^2 /NDF: 117192.0/1

reg_asym_sam4_mean vs Slug, Sign Corrected



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

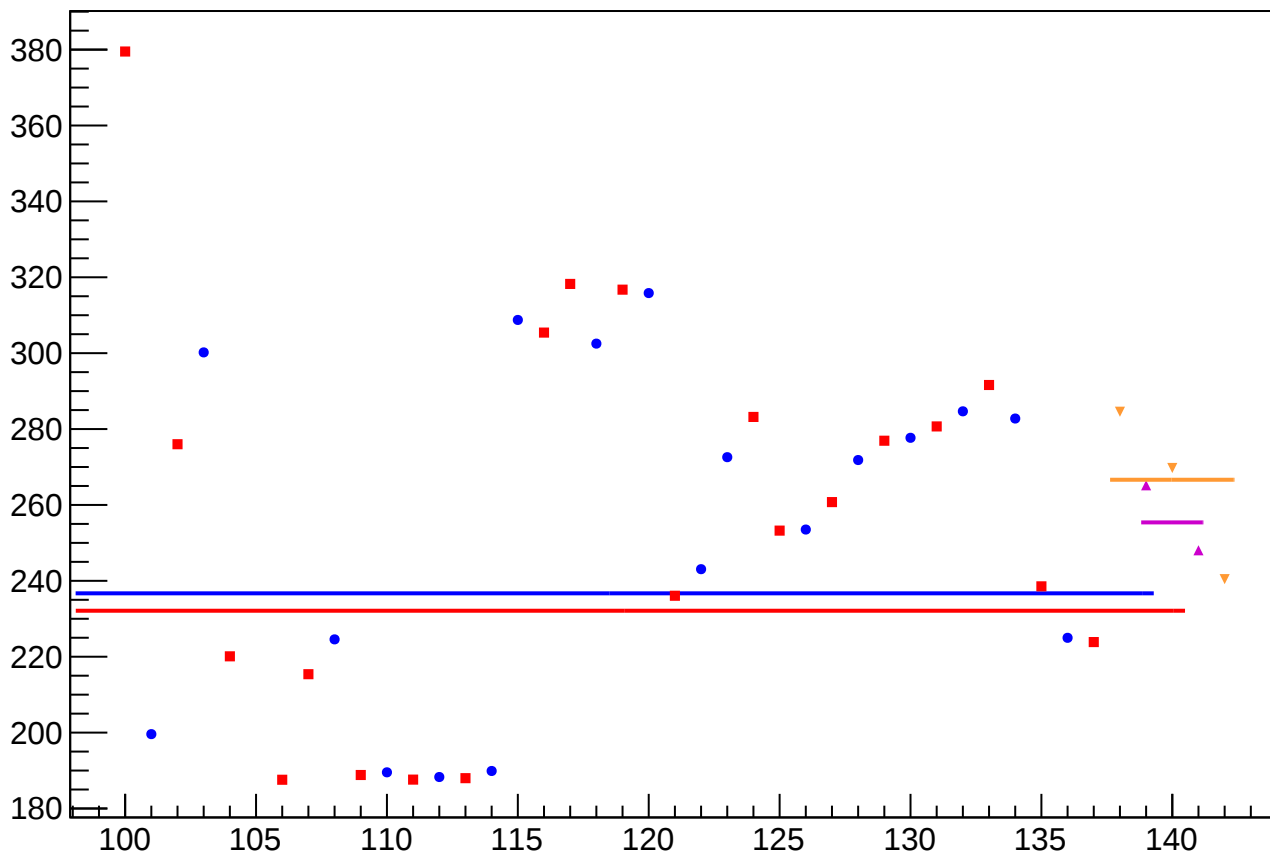
Left In: 46.086 ± 204.364 χ^2/NDF : 0.6/1

93.795 ± 83.870 χ^2/NDF : 22.8/19

149.396 ± 58.425 χ^2/NDF : 36.5/41

201.815 ± 81.434 χ^2/NDF : 12.9/21

reg_asym_sam4_rms vs Slug, Sign Corrected



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

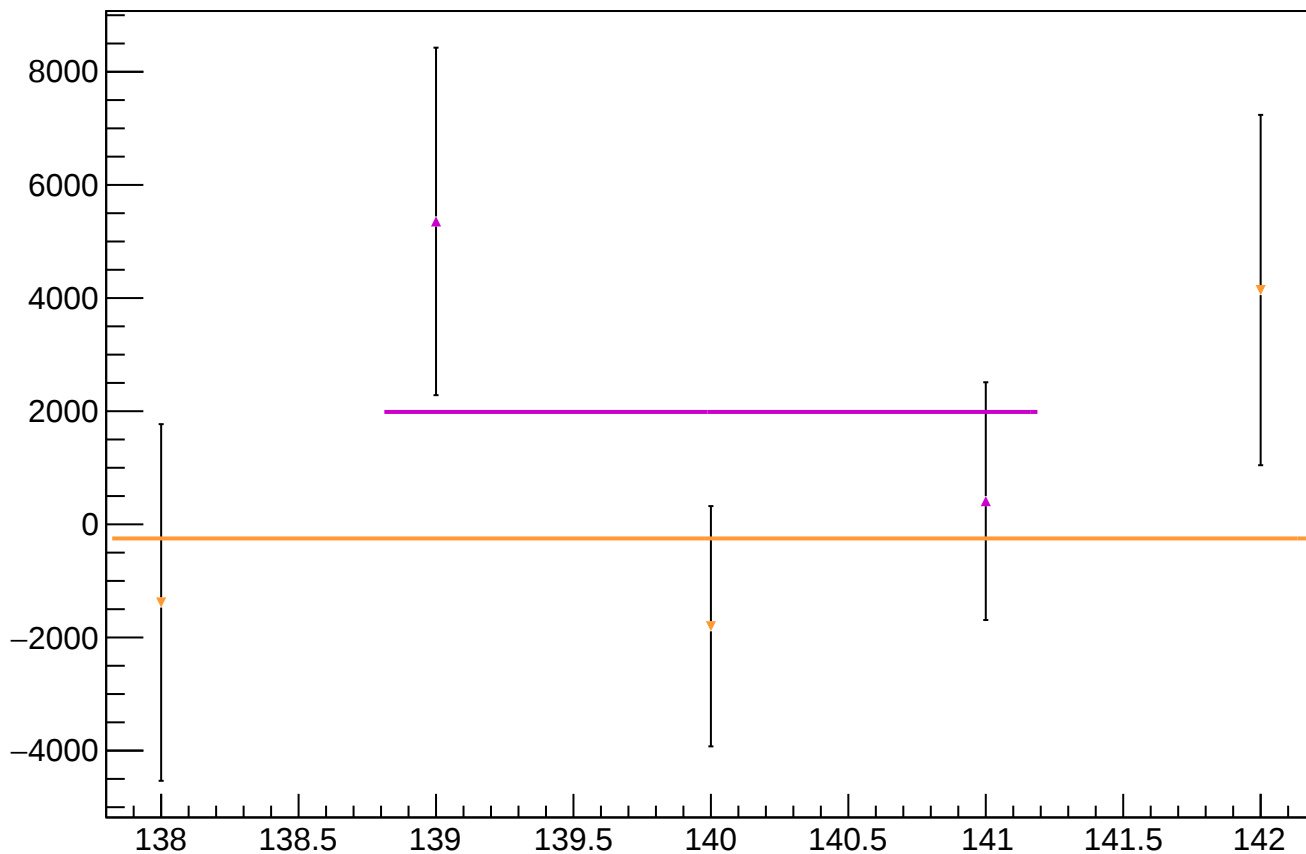
Left In: 255.398 $\pm$ 0.145 χ^2 /NDF: 3440.8/1

242.443 $\pm$ 0.059 χ^2 /NDF: 446017.9/19

239.032 $\pm$ 0.041 χ^2 /NDF: 927350.3/41

235.815 $\pm$ 0.058 χ^2 /NDF: 474903.8/21

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -249.404+/-1531.000 χ^2/NDF : 2.7/2

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

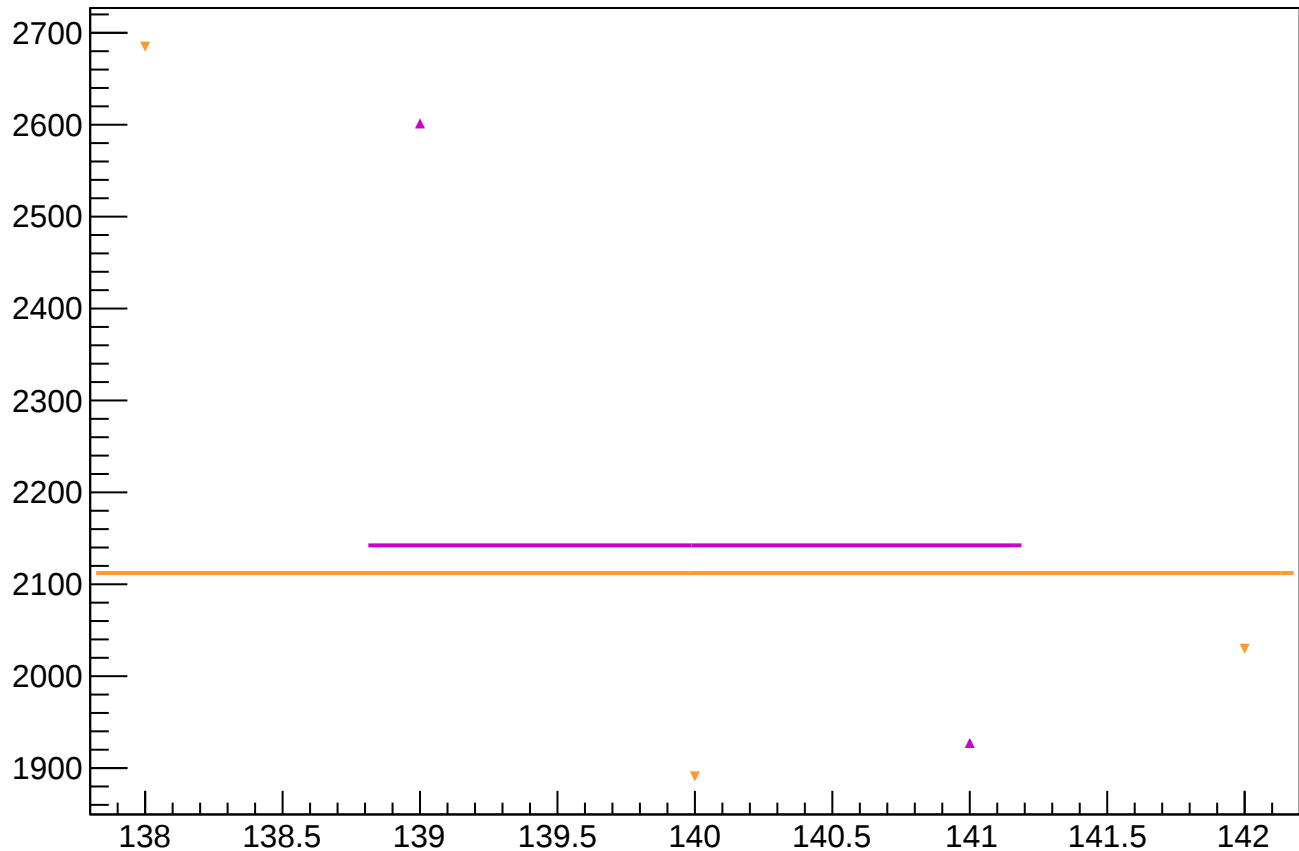
Left In: 1986.966+/-1734.379 χ^2/NDF : 1.8/1

-249.404+/-1531.000 χ^2/NDF : 2.7/2

730.031+/-1147.783 χ^2/NDF : 5.4/4

1986.966+/-1734.379 χ^2/NDF : 1.8/1

asym_sam4_correction_rms vs Slug, Sign Corrected



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

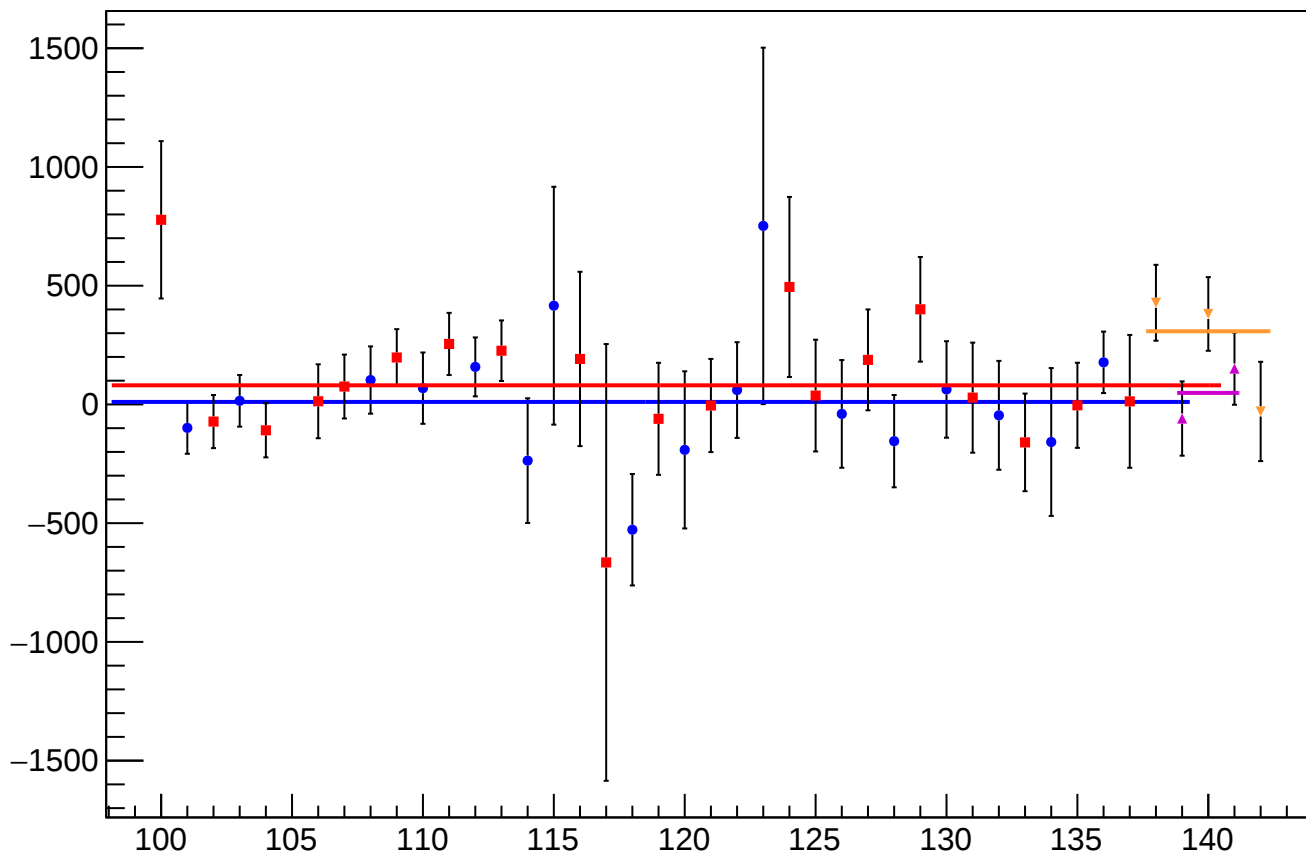
Left In: 2142.322+/-1.226 χ^2/NDF : 65611.6/1

2112.179+/-1.083 χ^2/NDF : 89128.8/2

2125.380+/-0.812 χ^2/NDF : 155079.9/4

2142.322+/-1.226 χ^2/NDF : 65611.6/1

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2 /NDF: 14.1/16

Left Out: 308.100 $\pm$ 98.272 χ^2 /NDF: 3.4/2

Right Out: 80.462 $\pm$ 38.950 χ^2 /NDF: 19.9/19

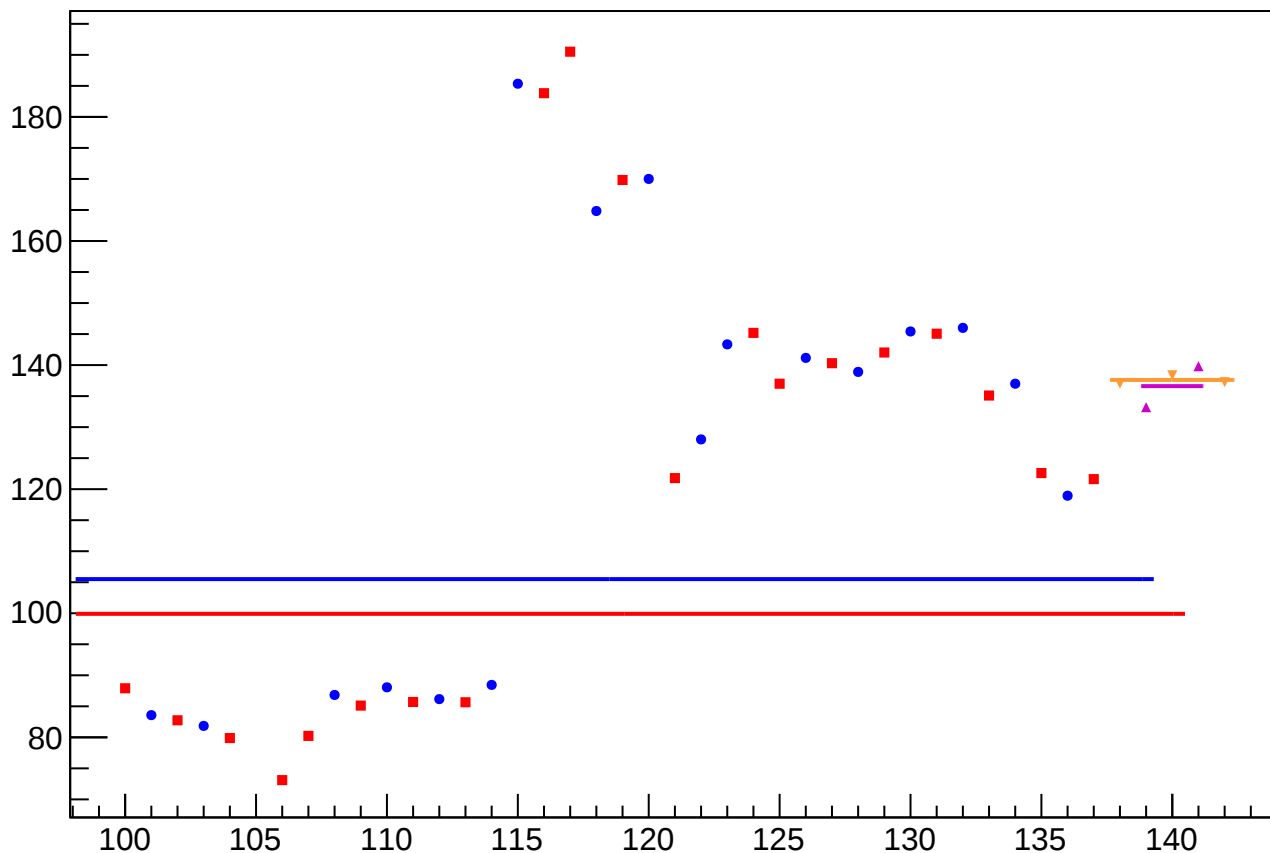
Left In: 48.616 $\pm$ 109.074 χ^2 /NDF: 0.9/1

57.035 $\pm$ 38.849 χ^2 /NDF: 25.2/19

67.516 $\pm$ 26.671 χ^2 /NDF: 46.2/41

76.860 $\pm$ 36.681 χ^2 /NDF: 20.9/21

reg_asym_sam5_rms vs Slug, Sign Corrected



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

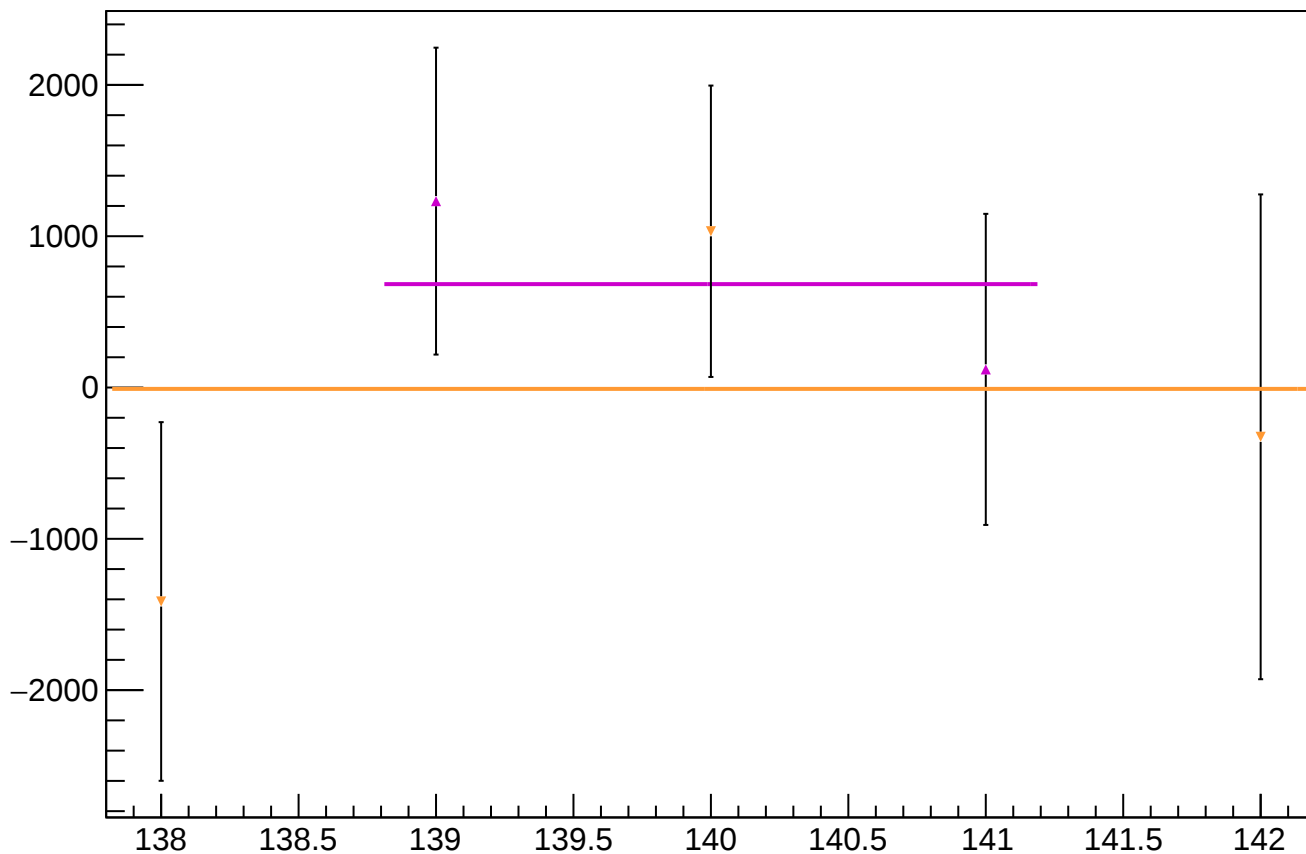
Left In: 136.606+/-0.077 χ^2/NDF : 1829.6/1

110.520+/-0.027 χ^2/NDF : 1049190.1/19

107.103+/-0.019 χ^2/NDF : 2300631.6/41

104.057+/-0.026 χ^2/NDF : 1222182.4/21

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -9.070+/-677.291 χ^2/NDF : 2.6/2

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

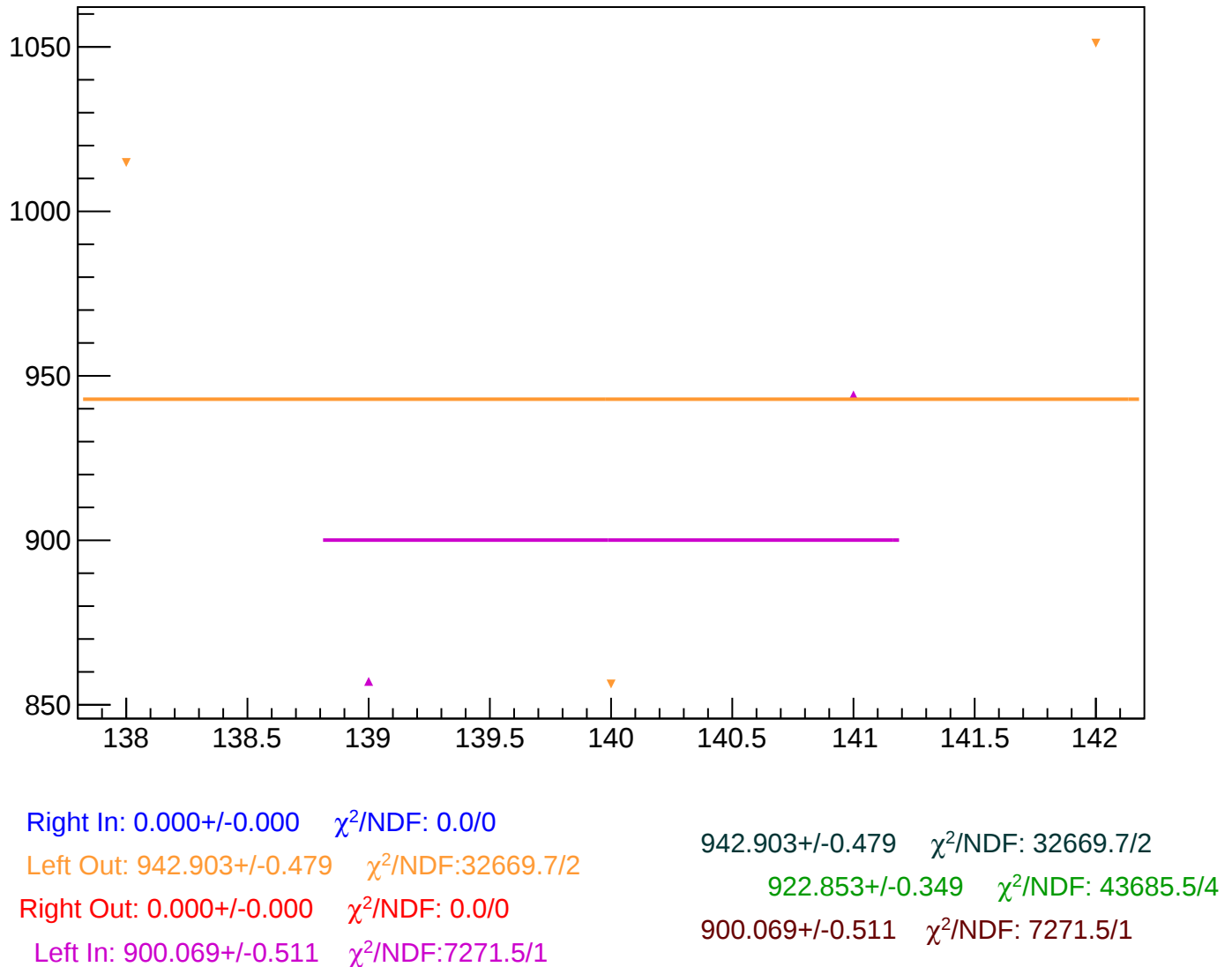
Left In: 683.346+/-721.996 χ^2/NDF : 0.6/1

-9.070+/-677.291 χ^2/NDF : 2.6/2

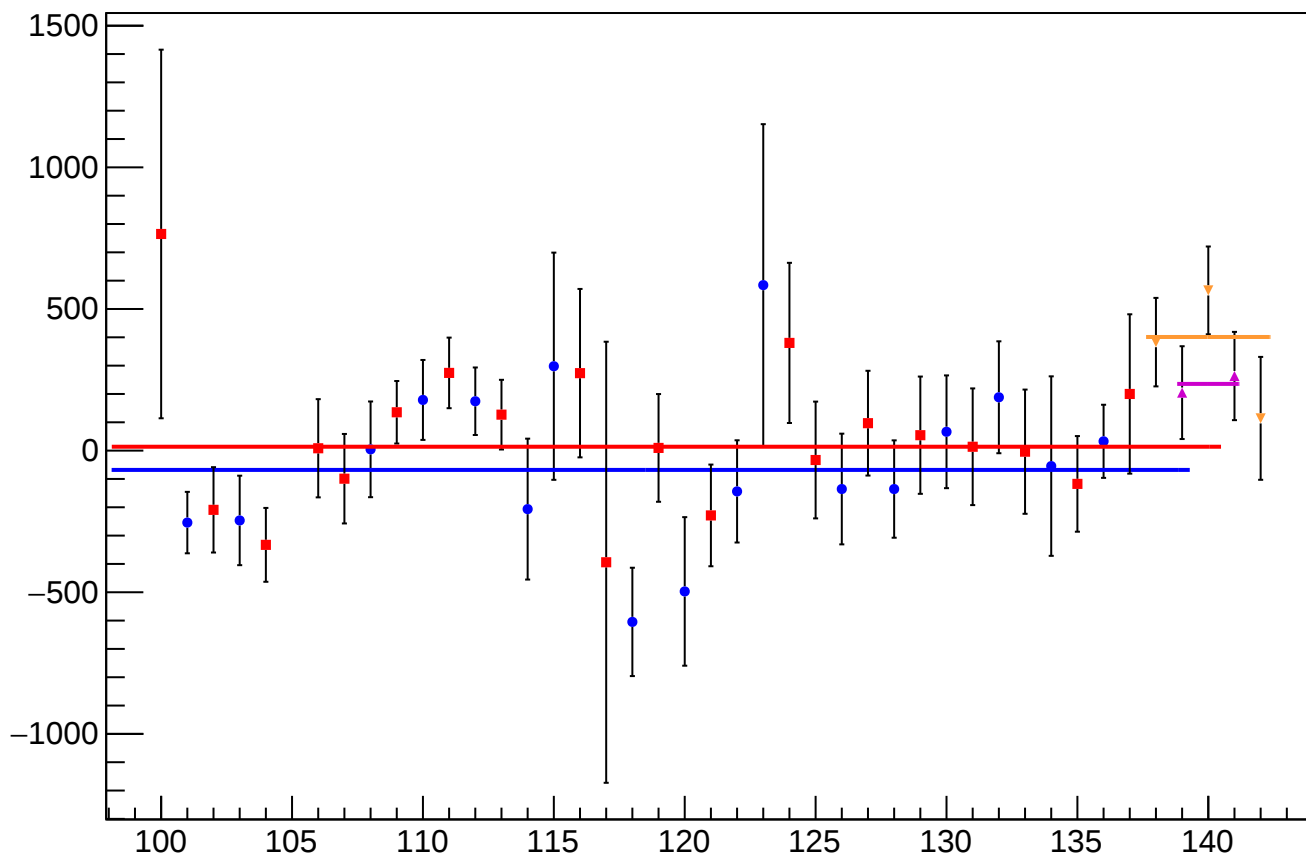
315.039+/-493.966 χ^2/NDF : 3.7/4

683.346+/-721.996 χ^2/NDF : 0.6/1

asym_sam5_correction_rms vs Slug, Sign Corrected



reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 401.163 ± 98.108 χ^2/NDF : 2.9/2

Right Out: 13.752 ± 39.416 χ^2/NDF : 23.4/19

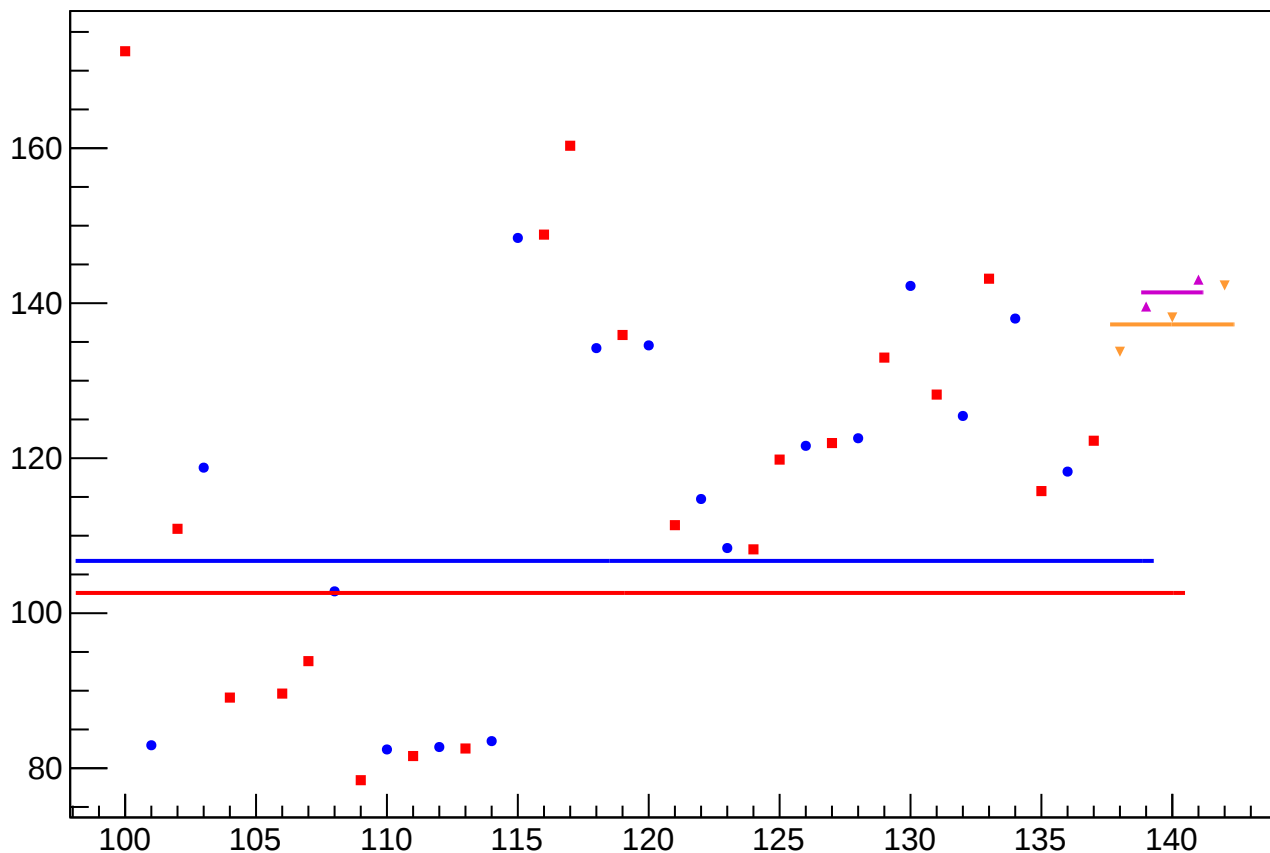
Left In: 235.521 ± 112.897 χ^2/NDF : 0.1/1

5.349 ± 38.817 χ^2/NDF : 50.0/19

22.283 ± 26.863 χ^2/NDF : 77.3/41

37.847 ± 37.213 χ^2/NDF : 26.9/21

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 137.262+/-0.069 χ^2/NDF : 2161.6/2

Right Out: 102.615+/-0.028 χ^2/NDF : 600357.6/19

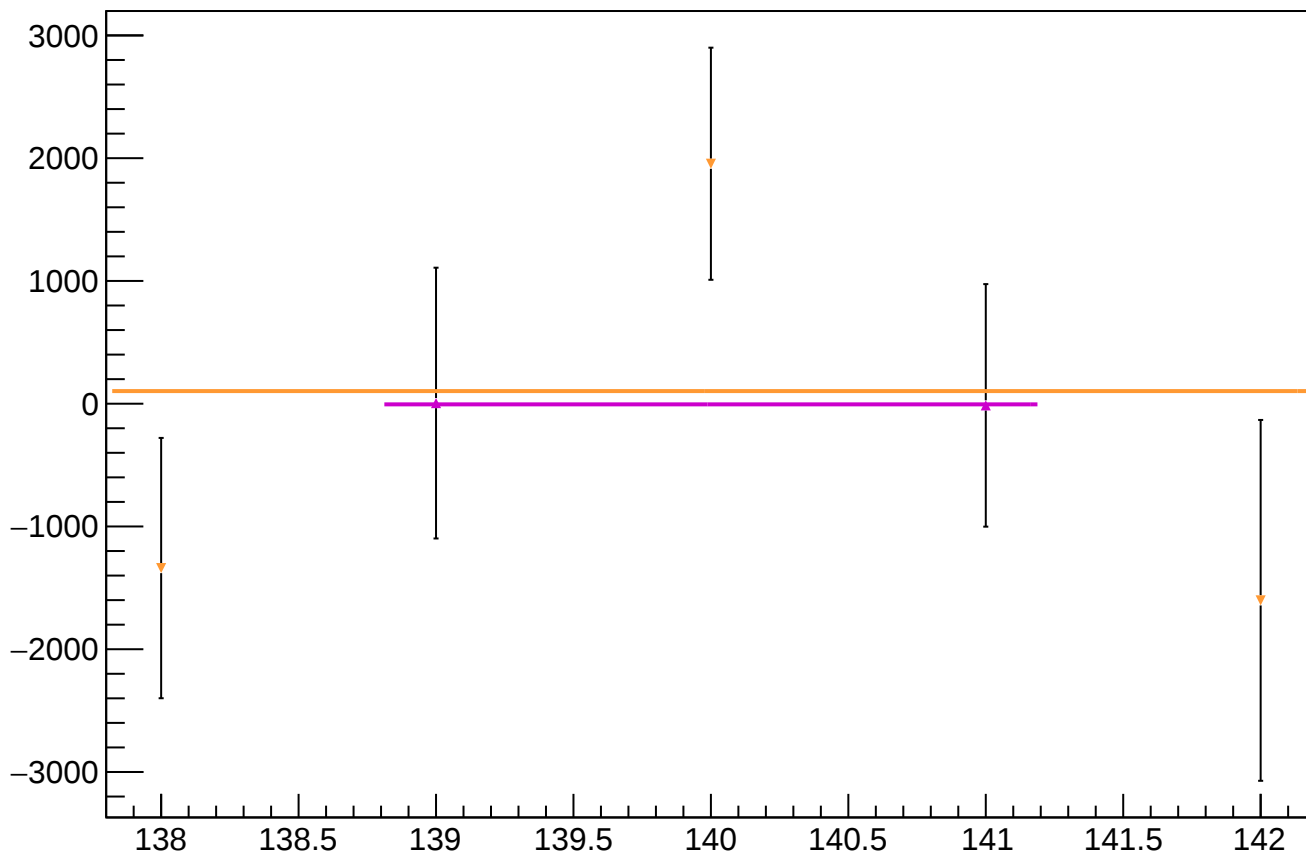
Left In: 141.392+/-0.080 χ^2/NDF : 470.7/1

111.526+/-0.027 χ^2/NDF : 667075.6/19

109.078+/-0.019 χ^2/NDF : 1493476.5/41

106.828+/-0.026 χ^2/NDF : 811138.2/21

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 102.817+/-636.112 χ^2/NDF : 7.0/2

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

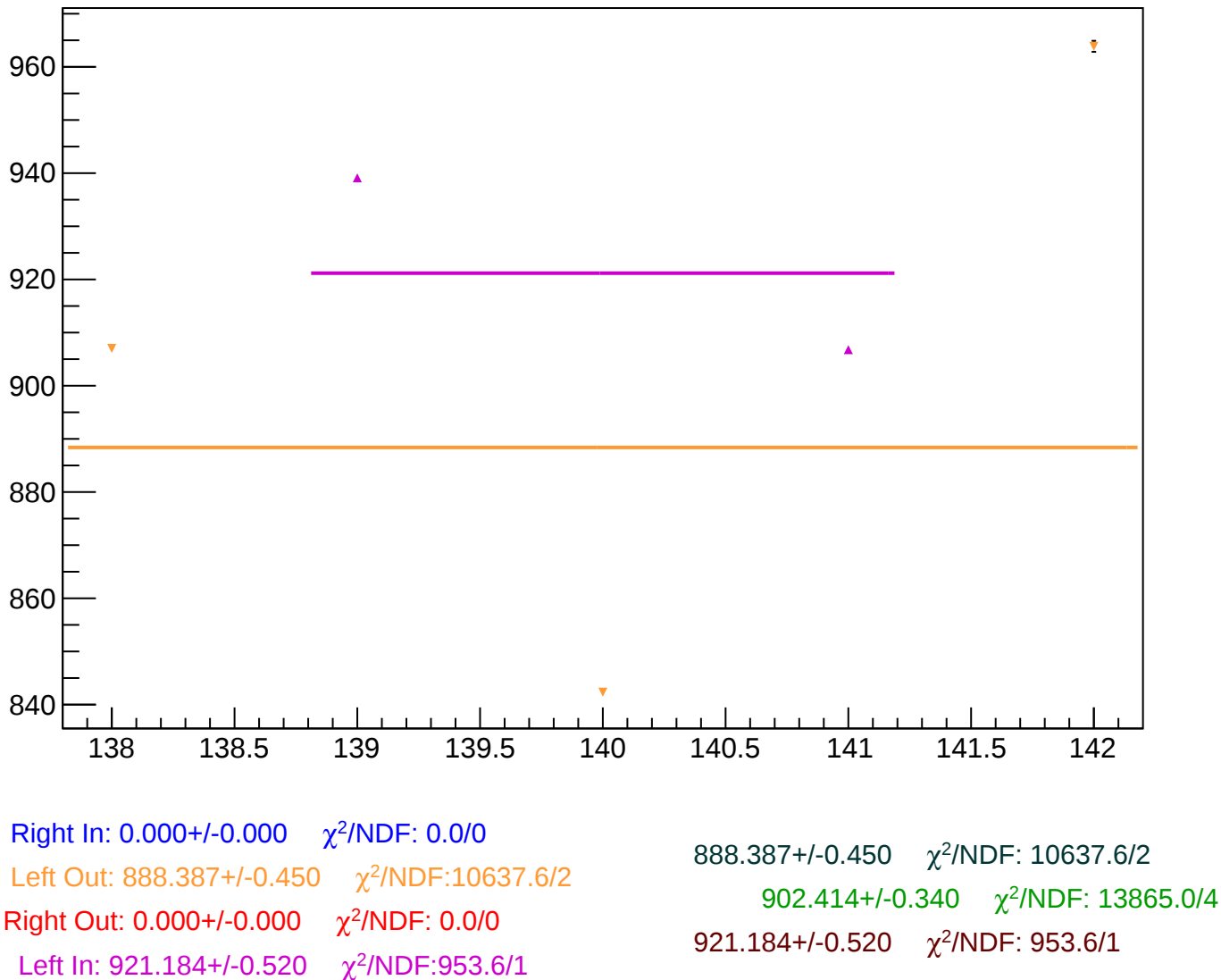
Left In: -5.328+/-735.840 χ^2/NDF : 0.0/1

102.817+/-636.112 χ^2/NDF : 7.0/2

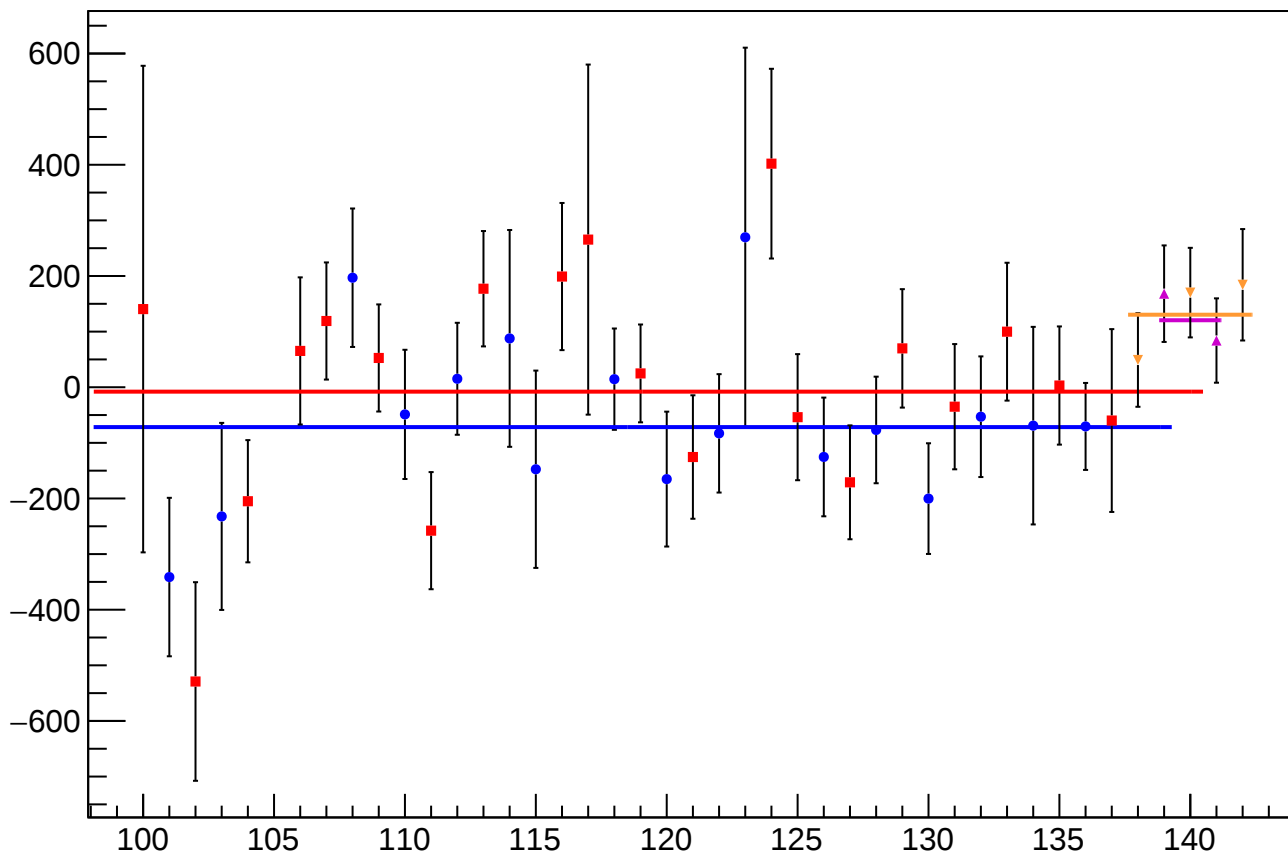
56.564+/-481.225 χ^2/NDF : 7.0/4

-5.328+/-735.840 χ^2/NDF : 0.0/1

asym_sam6_correction_rms vs Slug, Sign Corrected



reg_asym_sam7_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 37.2/19$

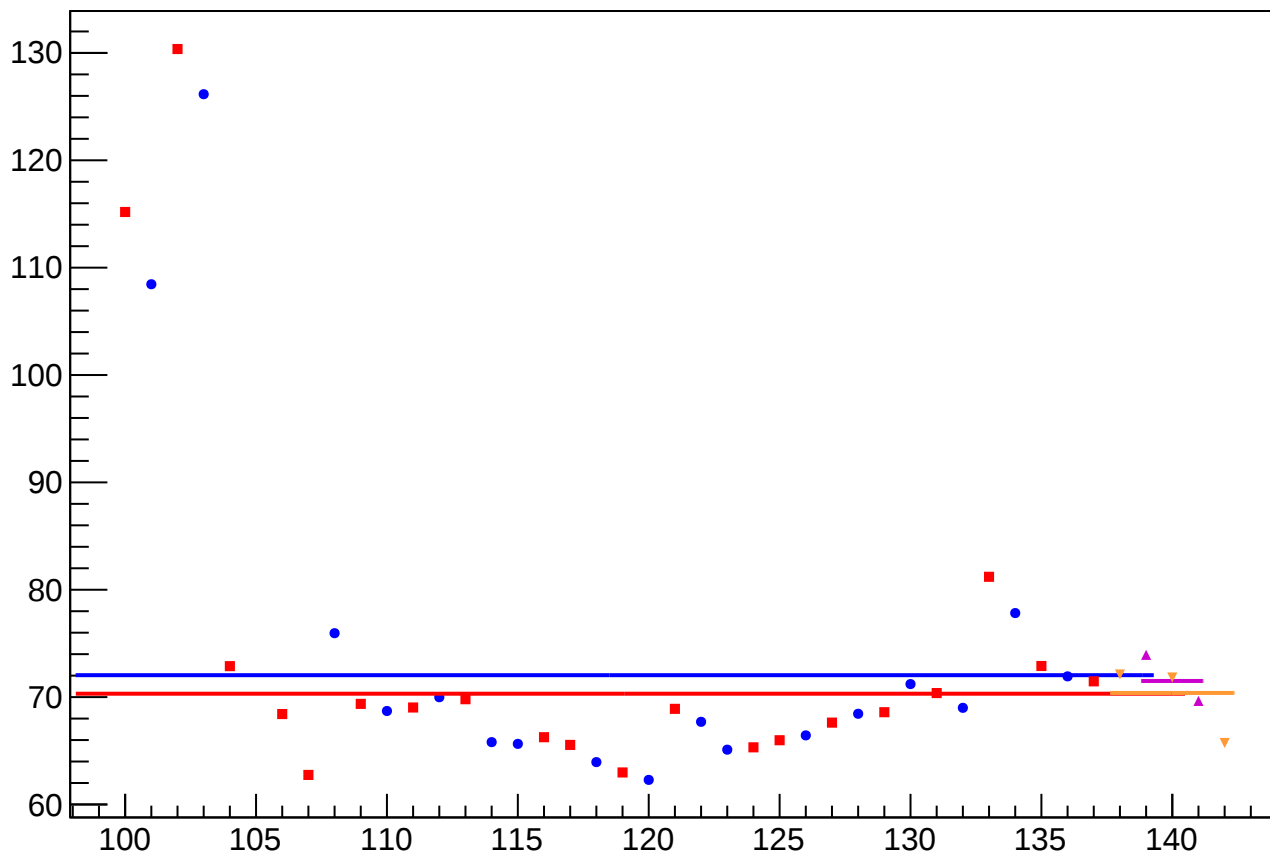
Left In: 120.445 ± 57.103 $\chi^2/\text{NDF}: 0.5/1$

-22.953 ± 24.705 $\chi^2/\text{NDF}: 29.0/19$

-3.521 ± 17.288 $\chi^2/\text{NDF}: 72.1/41$

15.126 ± 24.201 $\chi^2/\text{NDF}: 41.9/21$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 70.387 $\pm$ 0.036 χ^2 /NDF: 5801.6/2

Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

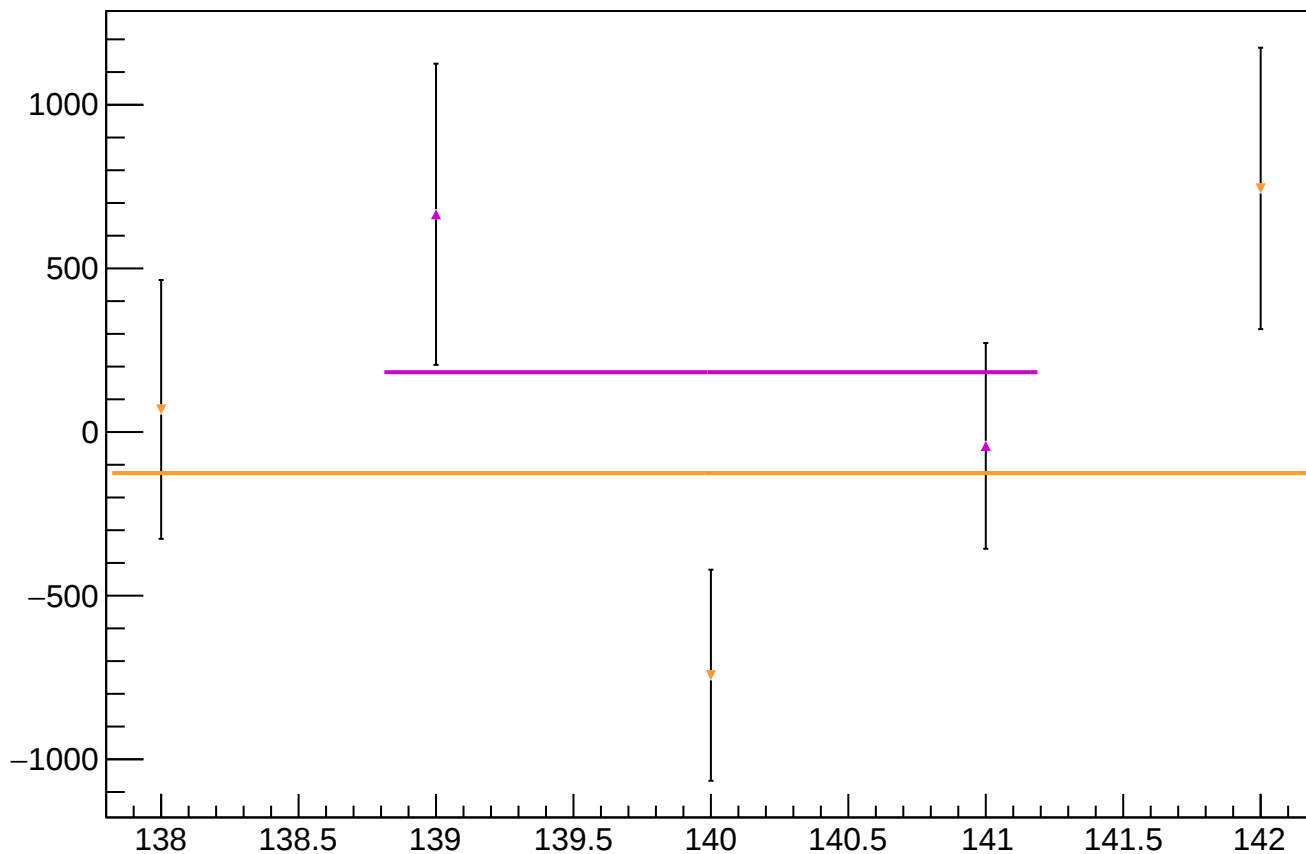
Left In: 71.504 $\pm$ 0.040 χ^2 /NDF: 2775.4/1

71.643 $\pm$ 0.017 χ^2 /NDF: 399415.5/19

71.075 $\pm$ 0.012 χ^2 /NDF: 704442.8/41

70.530 $\pm$ 0.017 χ^2 /NDF: 302952.8/21

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -124.977+/-216.119 χ^2/NDF : 8.0/2

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

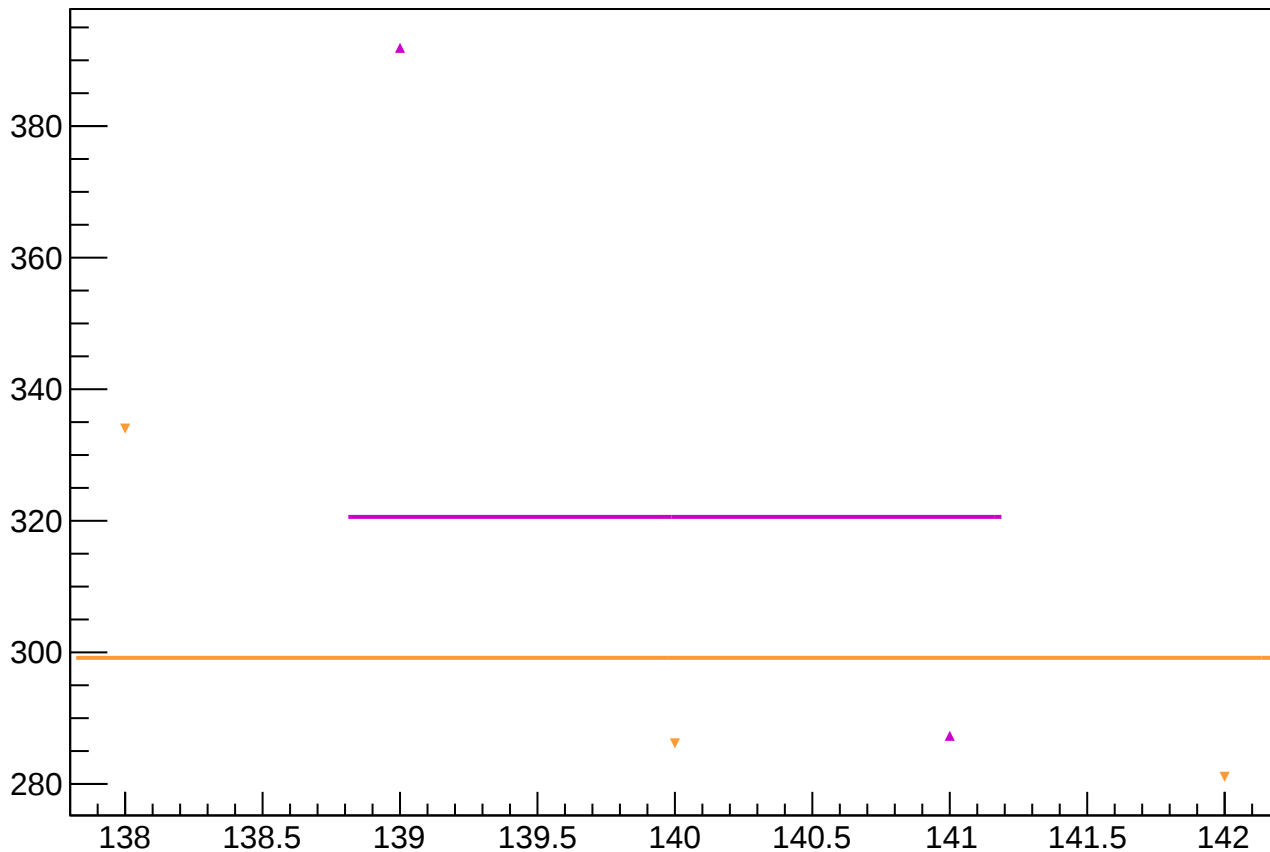
Left In: 182.830+/-259.589 χ^2/NDF : 1.6/1

-124.977+/-216.119 χ^2/NDF : 8.0/2

1.032+/-166.092 χ^2/NDF : 10.4/4

182.830+/-259.589 χ^2/NDF : 1.6/1

asym_sam7_correction_rms vs Slug, Sign Corrected



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

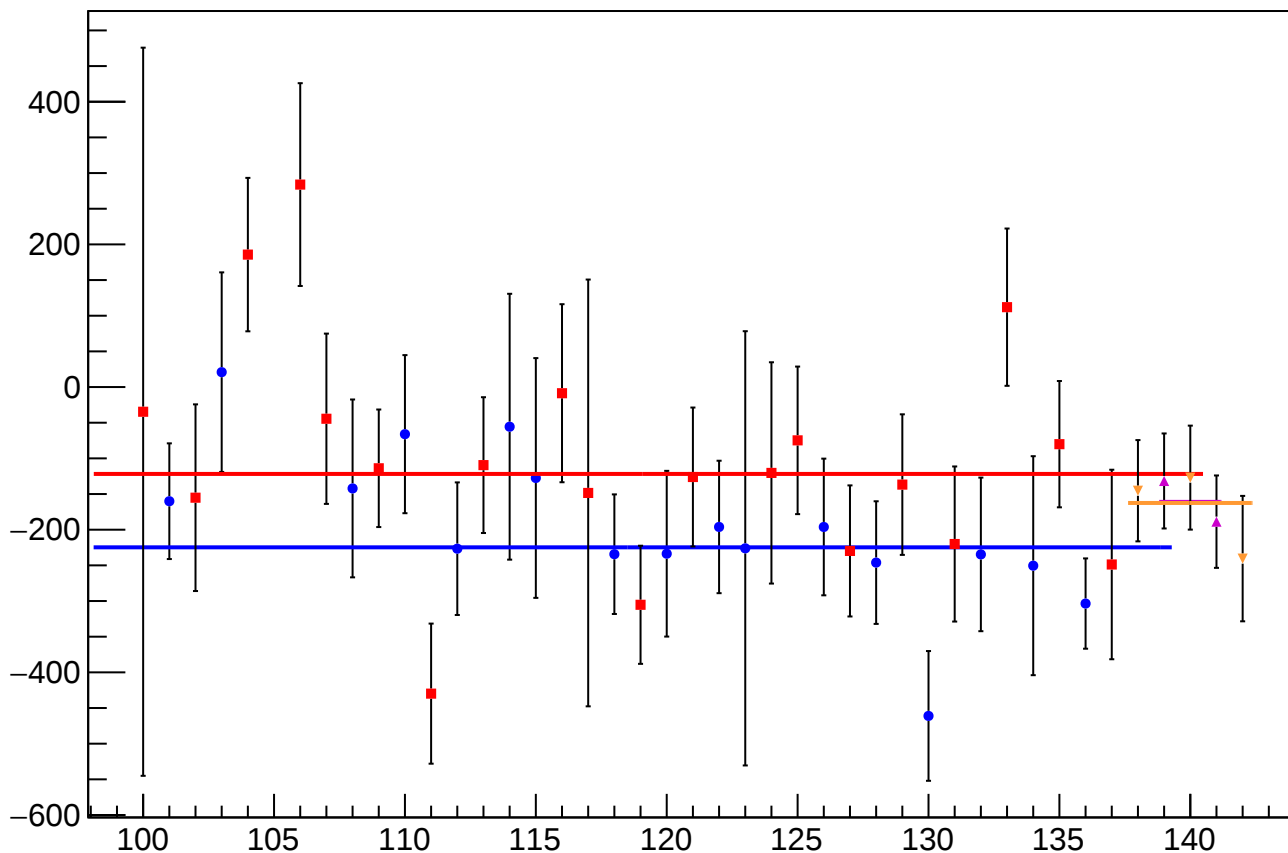
Left In: 320.596+/-0.184 χ^2/NDF : 70421.9/1

299.170+/-0.153 χ^2/NDF : 22311.3/2

307.941+/-0.117 χ^2/NDF : 100780.5/4

320.596+/-0.184 χ^2/NDF : 70421.9/1

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 $\pm$ 24.880 χ^2 /NDF: 16.0/16

Left Out: -162.513 $\pm$ 44.024 χ^2 /NDF: 1.1/2

Right Out: -121.814 $\pm$ 24.516 χ^2 /NDF: 40.5/19

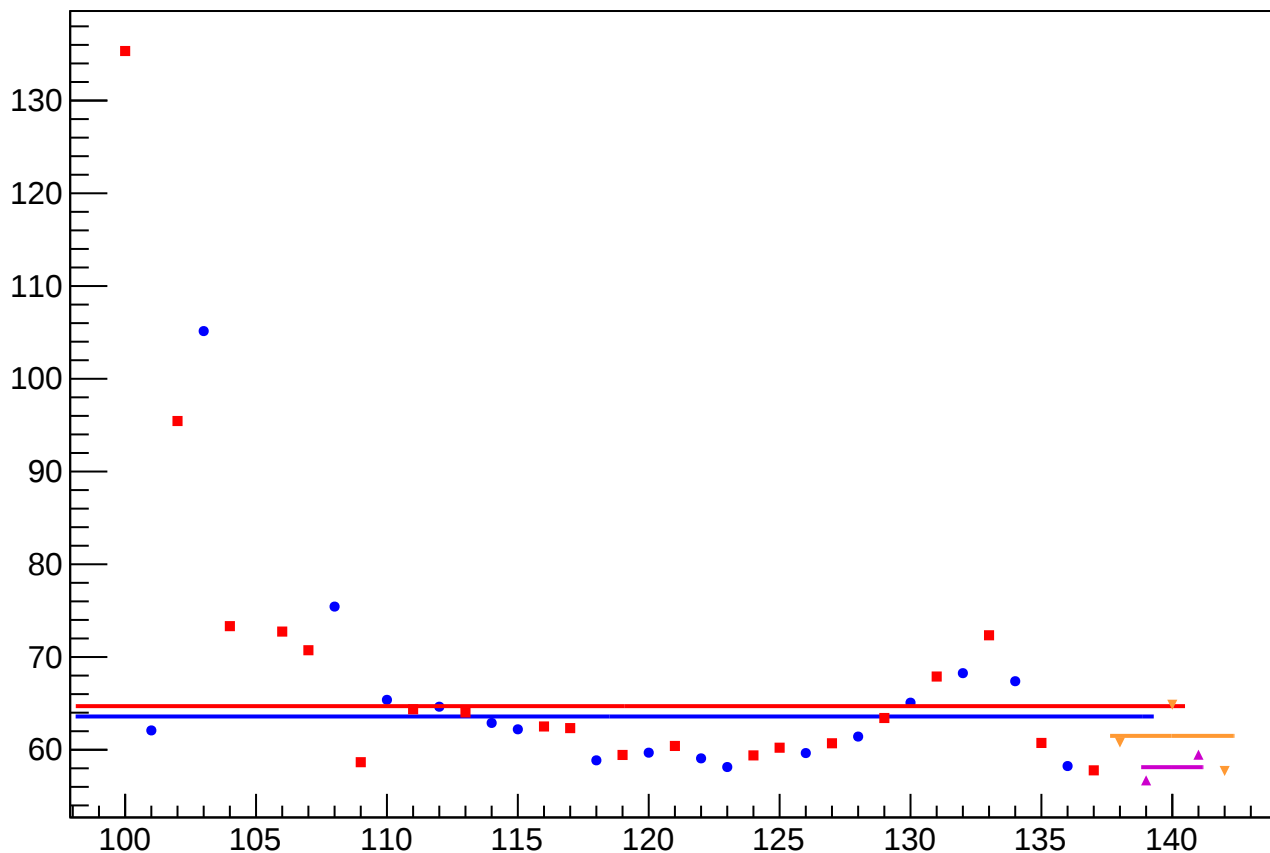
Left In: -161.005 $\pm$ 46.438 χ^2 /NDF: 0.4/1

-209.666 $\pm$ 21.660 χ^2 /NDF: 18.6/19

-170.048 $\pm$ 15.323 χ^2 /NDF: 66.7/41

-130.356 $\pm$ 21.681 χ^2 /NDF: 41.4/21

reg_asym_sam8_rms vs Slug, Sign Corrected



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

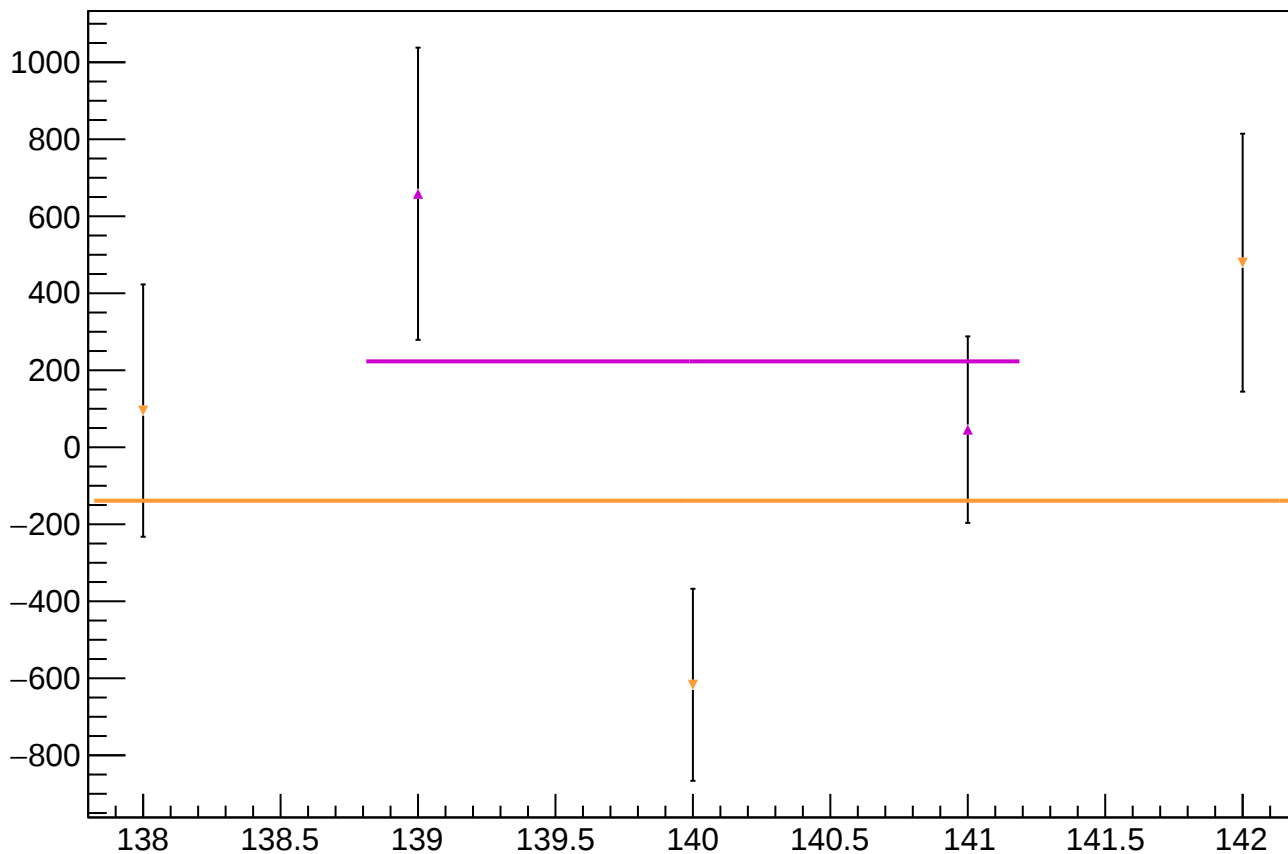
Left In: 58.125+/-0.033 χ^2/NDF : 1775.3/1

63.083+/-0.015 χ^2/NDF : 246168.1/19

63.176+/-0.011 χ^2/NDF : 507046.2/41

63.270+/-0.015 χ^2/NDF : 260803.7/21

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -138.843+/-170.715 χ^2/NDF : 7.6/2

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

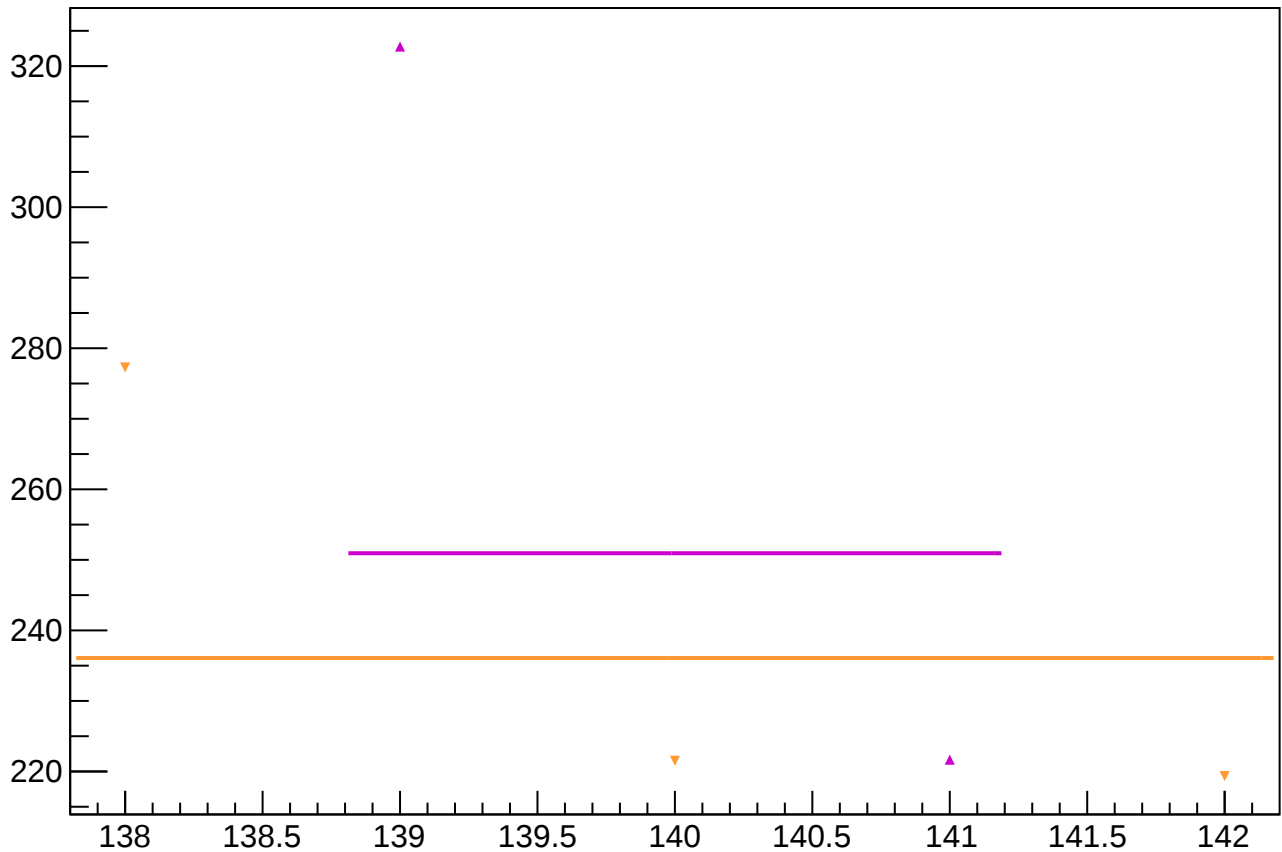
Left In: 223.152+/-204.148 χ^2/NDF : 1.9/1

-138.843+/-170.715 χ^2/NDF : 7.6/2

10.125+/-130.960 χ^2/NDF : 11.3/4

223.152+/-204.148 χ^2/NDF : 1.9/1

asym_sam8_correction_rms vs Slug, Sign Corrected



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

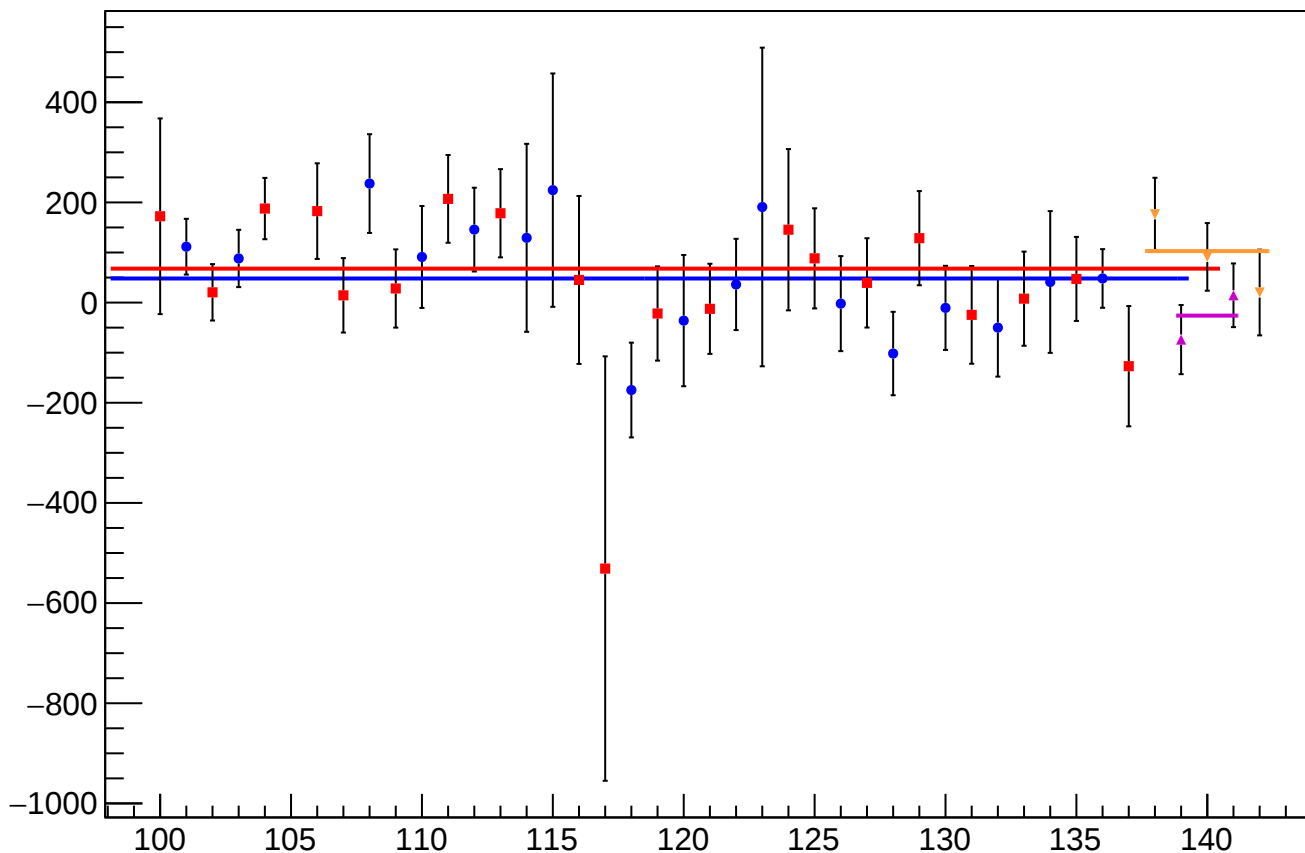
Left In: 250.938+/-0.144 χ^2/NDF : 100876.4/1

236.086+/-0.121 χ^2/NDF : 43435.8/2

242.198+/-0.093 χ^2/NDF : 150541.5/4

250.938+/-0.144 χ^2/NDF : 100876.4/1

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 102.830 $\pm$ 42.872 χ^2 /NDF: 2.0/2

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

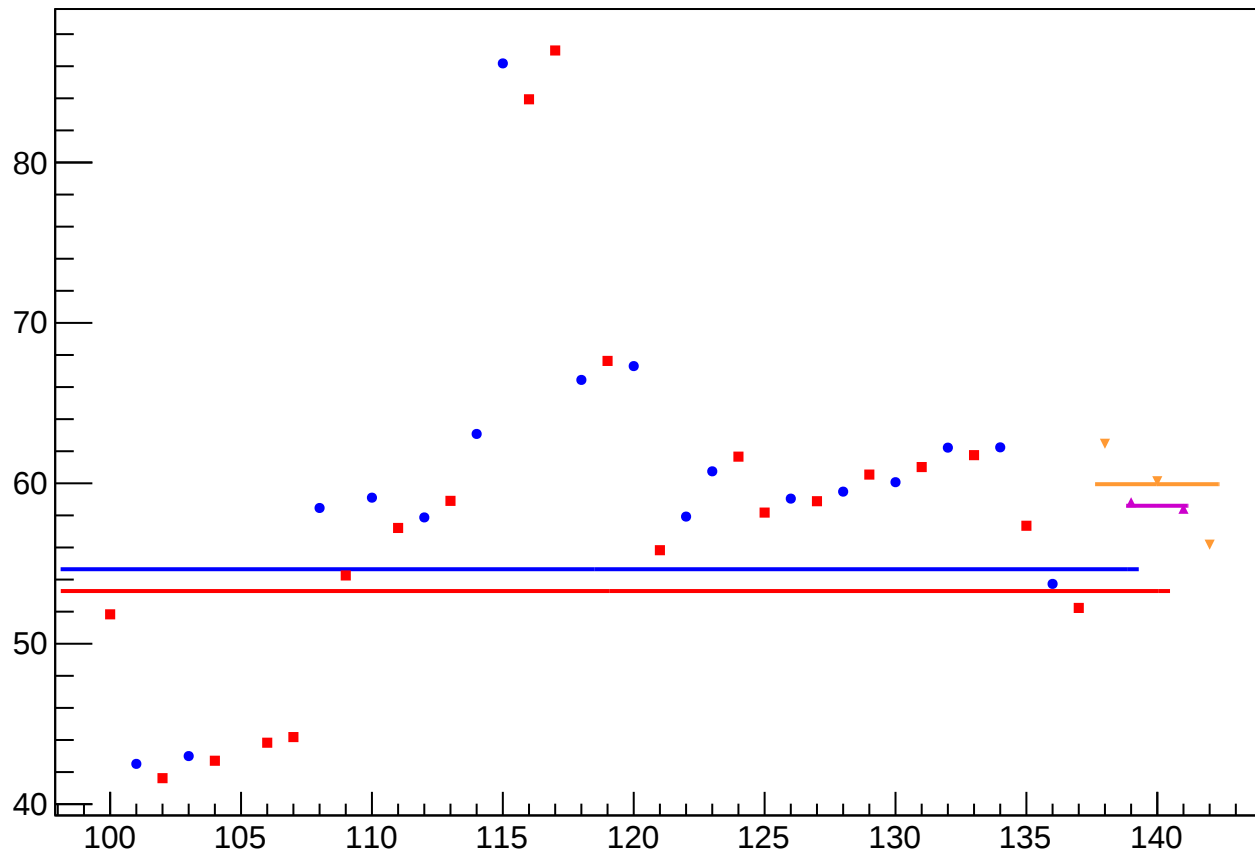
Left In: -26.008 $\pm$ 46.787 χ^2 /NDF: 0.9/1

59.114 $\pm$ 19.226 χ^2 /NDF: 22.3/19

55.871 $\pm$ 13.400 χ^2 /NDF: 46.2/41

52.807 $\pm$ 18.687 χ^2 /NDF: 23.9/21

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 59.946 $\pm$ 0.030 χ^2 /NDF: 6285.4/2

Right Out: 53.285 $\pm$ 0.014 χ^2 /NDF: 398973.0/19

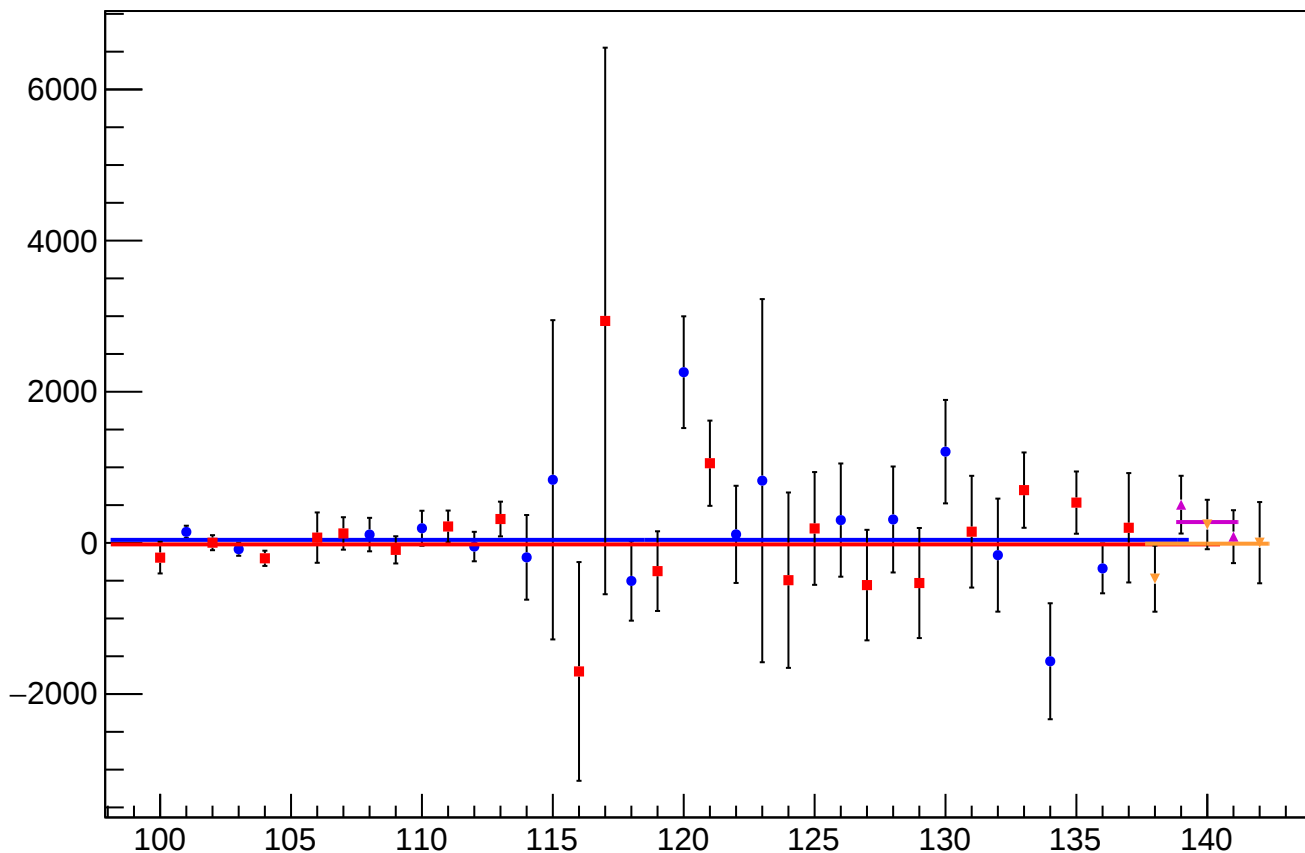
Left In: 58.601 $\pm$ 0.033 χ^2 /NDF: 37.7/1

55.711 $\pm$ 0.014 χ^2 /NDF: 350014.2/19

54.900 $\pm$ 0.009 χ^2 /NDF: 777654.1/41

54.133 $\pm$ 0.013 χ^2 /NDF: 420713.2/21

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -10.256+/-235.450 χ^2/NDF : 1.7/2

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

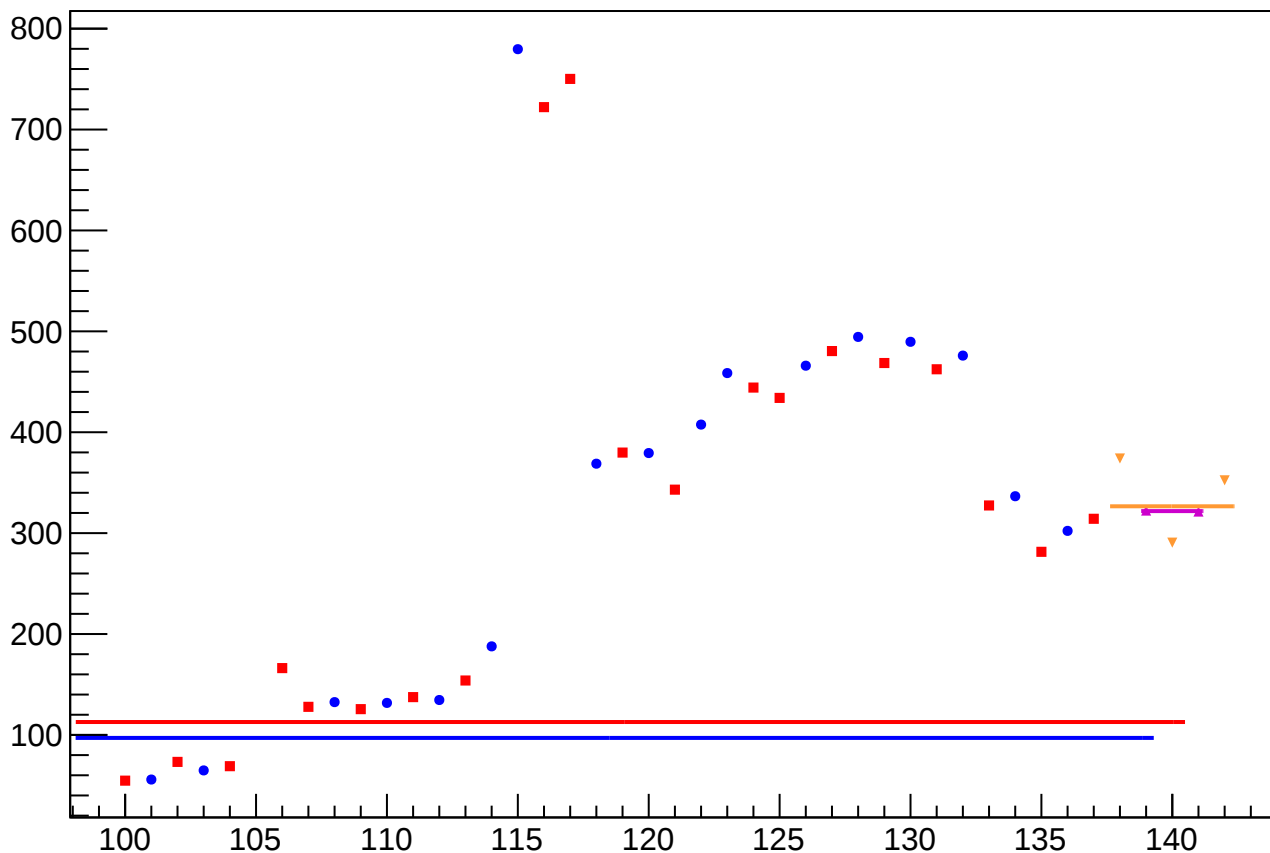
Left In: 275.800+/-258.130 χ^2/NDF : 0.7/1

37.899+/-50.350 χ^2/NDF : 25.6/19

15.993+/-36.229 χ^2/NDF : 47.5/41

-7.525+/-52.169 χ^2/NDF : 21.5/21

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



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

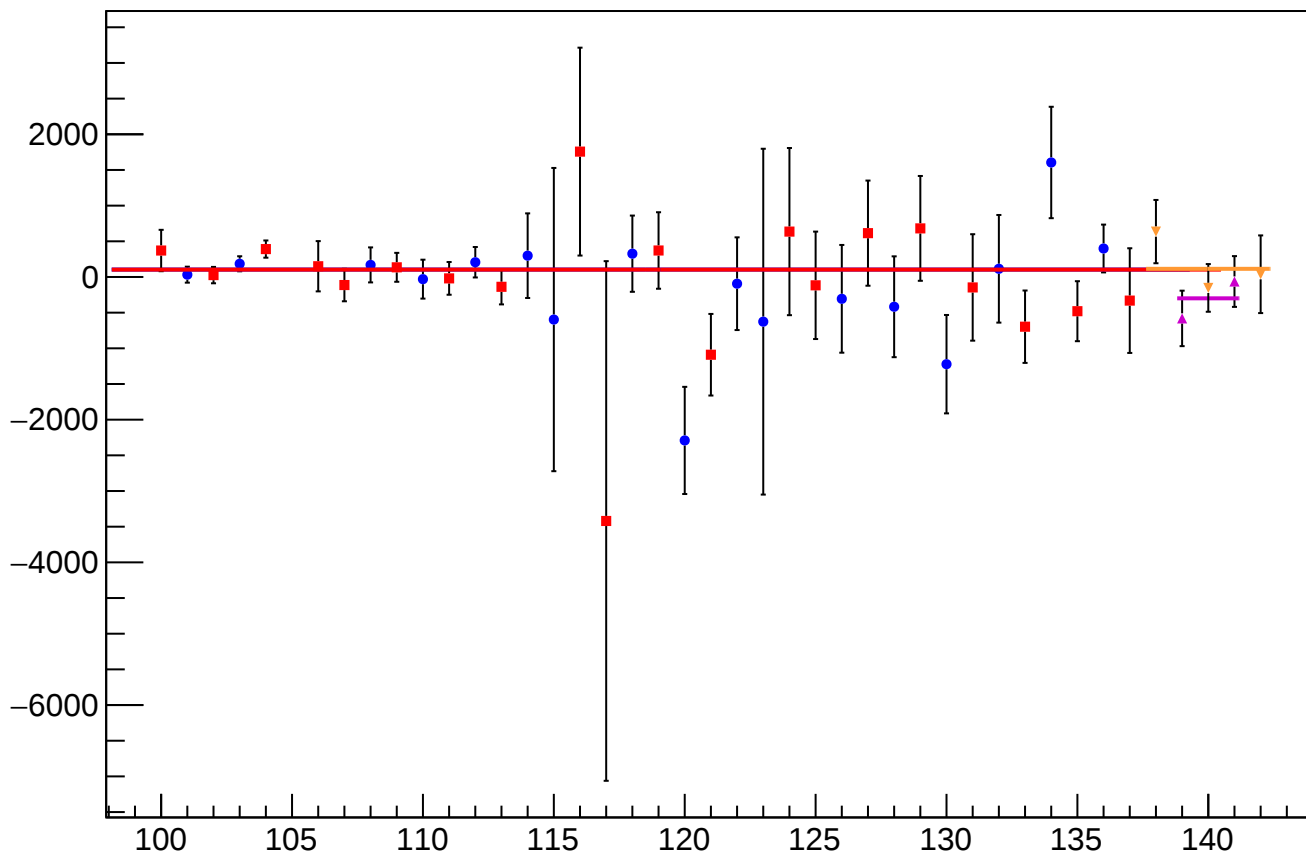
Left In: 321.835+/-0.183 χ^2 /NDF:7.0/1

107.537+/-0.036 χ^2 /NDF: 7686280.0/19

114.189+/-0.026 χ^2 /NDF: 14115225.1/41

121.330+/-0.037 χ^2 /NDF: 6356554.9/21

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001+/-63.156 χ^2/NDF : 21.3/16

Left Out: 114.318+/-239.662 χ^2/NDF : 2.0/2

Right Out: 103.156+/-60.849 χ^2/NDF : 22.3/19

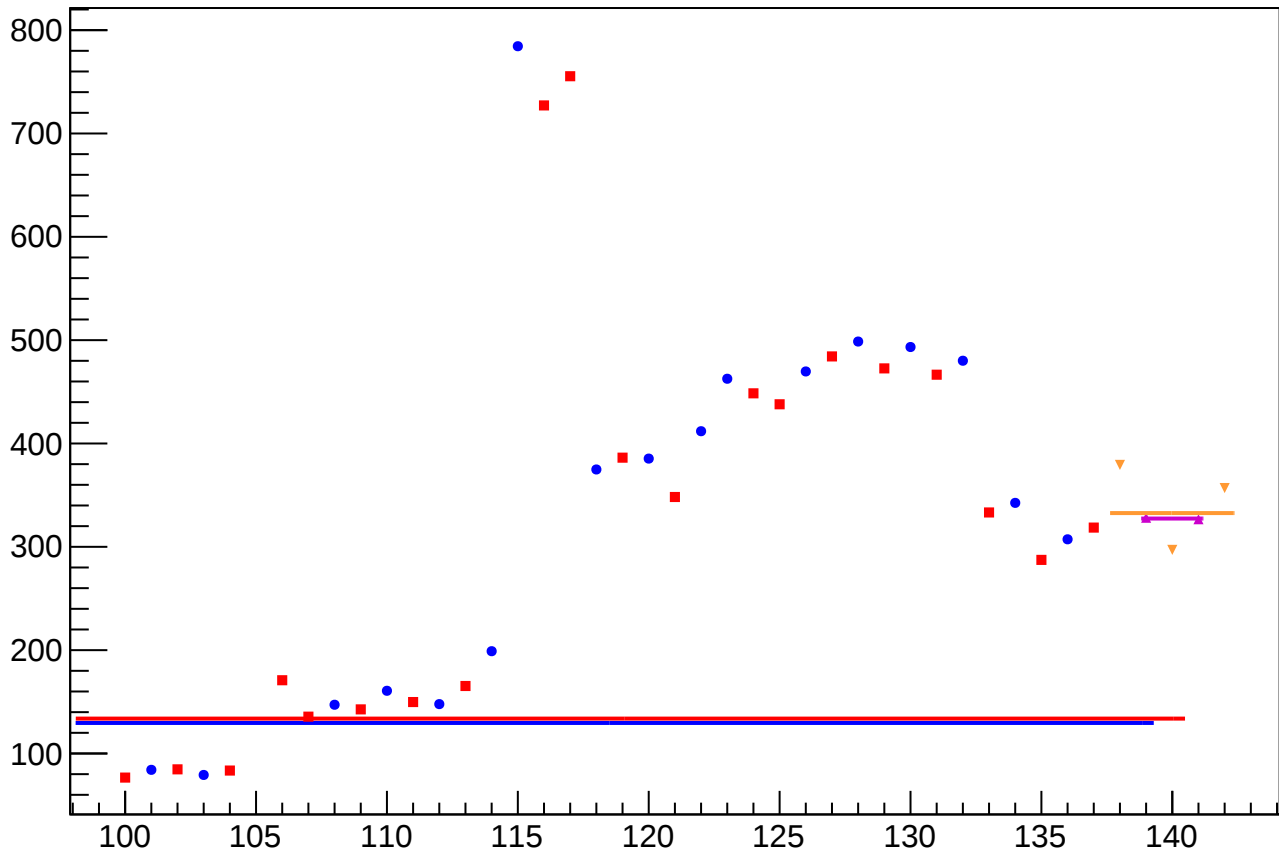
Left In: -299.275+/-262.483 χ^2/NDF : 1.0/1

104.671+/-61.071 χ^2/NDF : 23.3/19

93.323+/-42.535 χ^2/NDF : 48.9/41

82.632+/-59.277 χ^2/NDF : 25.5/21

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 332.656 $\pm$ 0.169 χ^2 /NDF: 48765.8/2

Right Out: 133.766 $\pm$ 0.043 χ^2 /NDF: 4424544.5/19

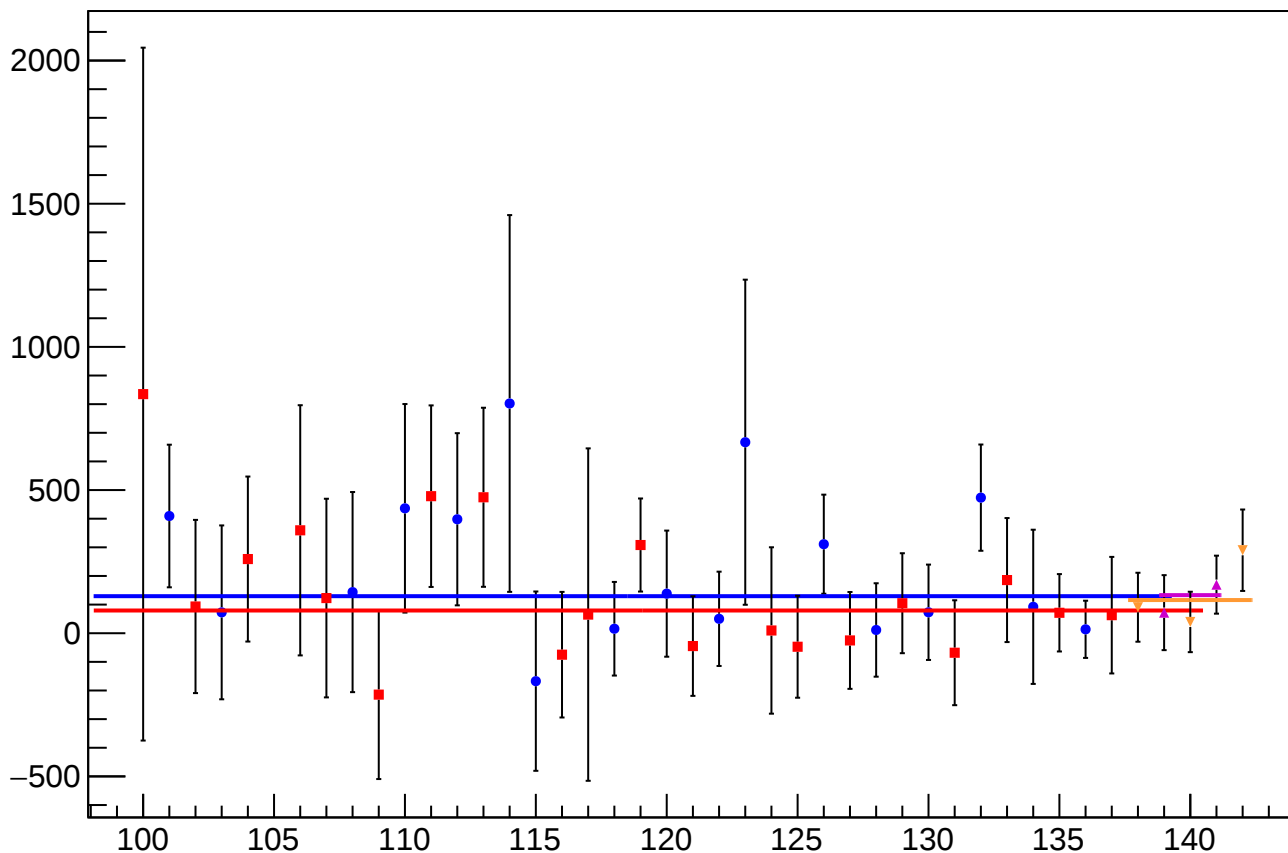
Left In: 327.363 $\pm$ 0.186 χ^2 /NDF: 15.0/1

142.740 $\pm$ 0.043 χ^2 /NDF: 6164331.1/19

143.203 $\pm$ 0.030 χ^2 /NDF: 11621618.6/41

143.639 $\pm$ 0.042 χ^2 /NDF: 5457064.3/21

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



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

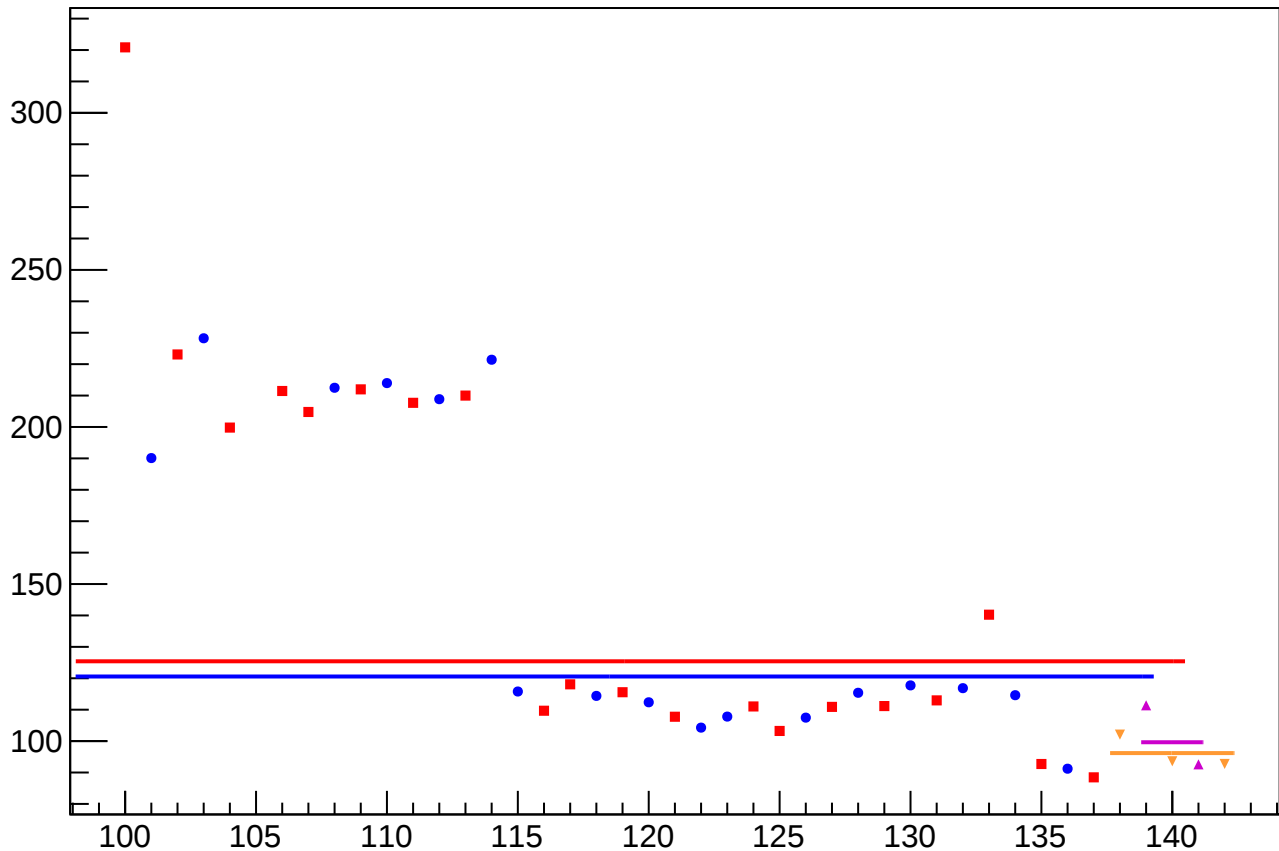
Left In: 133.058 $\pm$ 80.109 χ^2 /NDF: 0.3/1

124.873 $\pm$ 40.071 χ^2 /NDF: 15.0/19

110.388 $\pm$ 29.069 χ^2 /NDF: 26.2/41

94.298 $\pm$ 42.234 χ^2 /NDF: 10.9/21

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

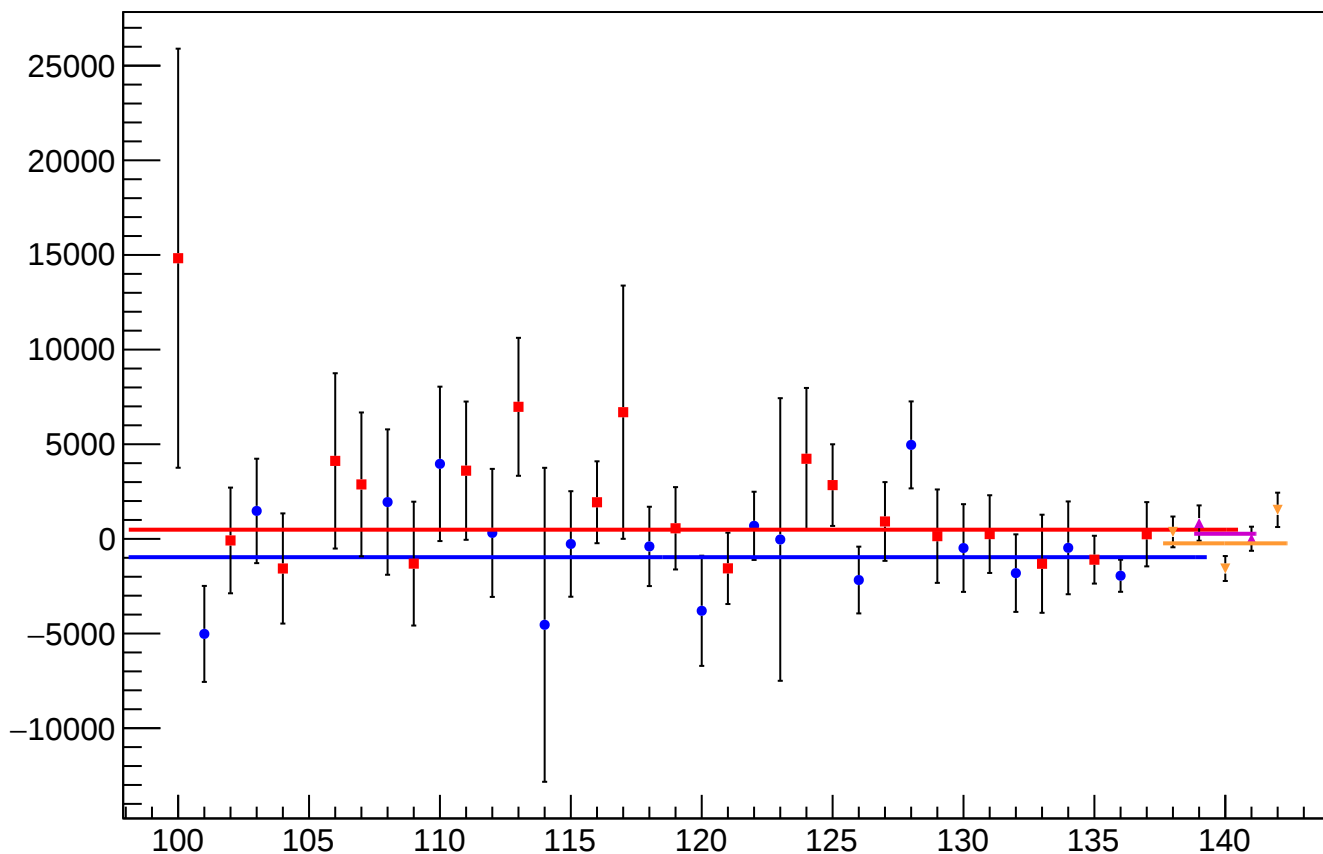
Left In: 99.635 $\pm$ 0.057 χ^2 /NDF: 25776.6/1

112.409 $\pm$ 0.028 χ^2 /NDF: 1284077.8/19

115.172 $\pm$ 0.021 χ^2 /NDF: 2813439.0/41

118.242 $\pm$ 0.030 χ^2 /NDF: 1509284.5/21

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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

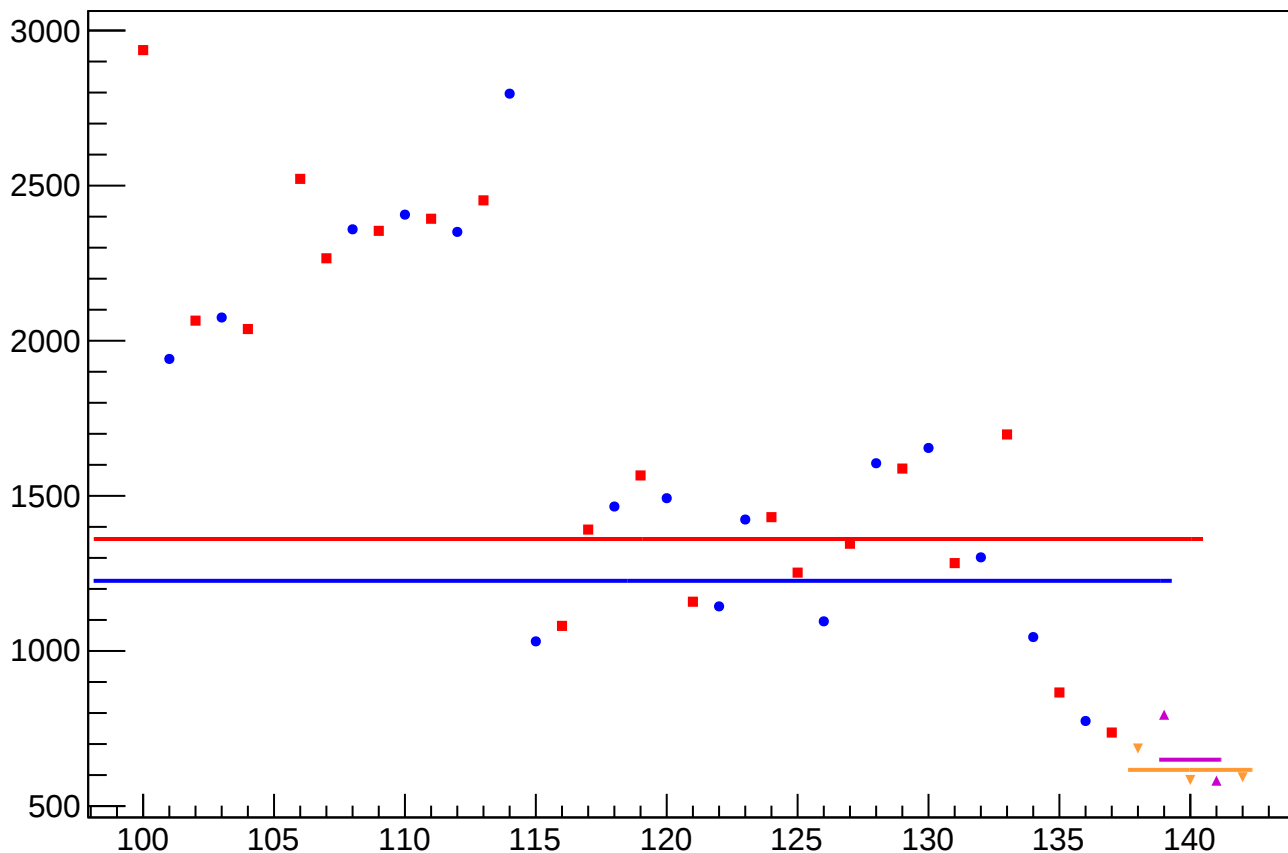
Left In: 270.354+/-526.085 χ^2/NDF : 0.5/1

-550.457+/-336.297 χ^2/NDF : 26.0/19

-141.836+/-251.262 χ^2/NDF : 44.2/41

374.486+/-378.028 χ^2/NDF : 14.9/21

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135 $\pm$ 0.362 χ^2 /NDF: 1756323.1/16

Left Out: 616.758 $\pm$ 0.315 χ^2 /NDF:20618.5/2

Right Out: 1360.972 $\pm$ 0.384 χ^2 /NDF: 1749116.2/19

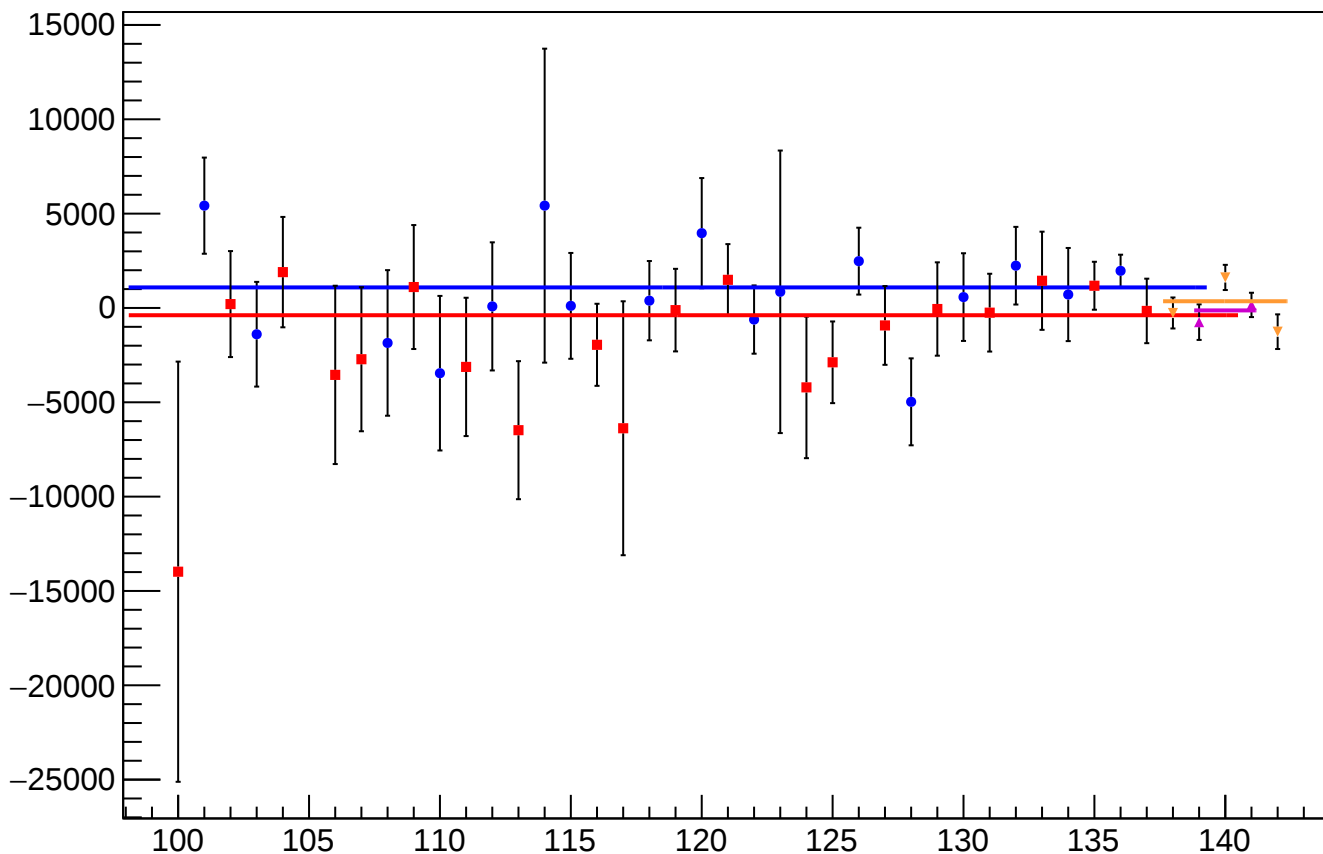
Left In: 649.517 $\pm$ 0.372 χ^2 /NDF:70801.0/1

879.310 $\pm$ 0.238 χ^2 /NDF: 3387249.8/19

929.810 $\pm$ 0.178 χ^2 /NDF: 7078353.7/41

993.620 $\pm$ 0.267 χ^2 /NDF: 3589020.9/21

asym_sam_26_avg_mean vs Slug, Sign Corrected



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

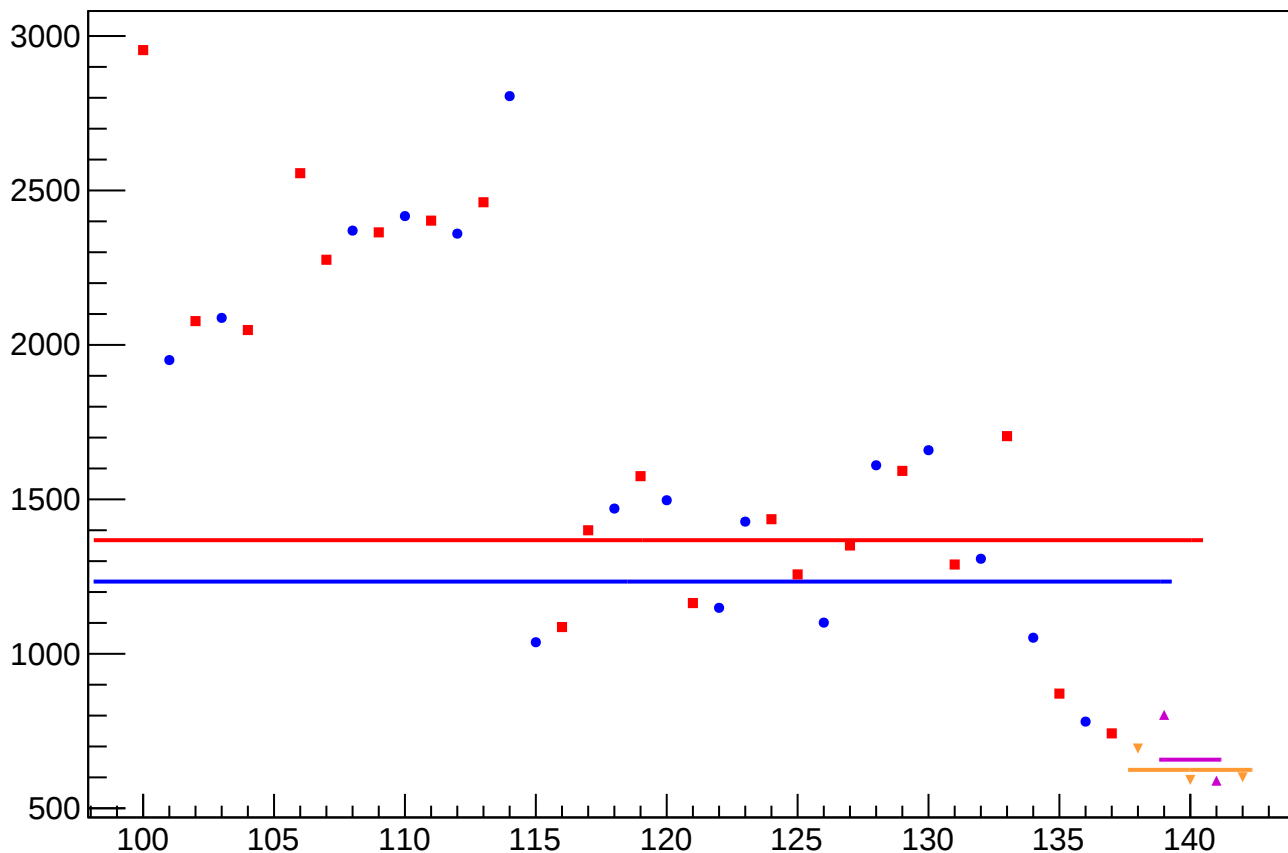
Left In: -130.002 $\pm$ 532.277 χ^2/NDF : 0.6/1

674.135 $\pm$ 339.457 χ^2/NDF : 25.3/19

263.569 $\pm$ 253.530 χ^2/NDF : 42.7/41

-254.358 $\pm$ 381.266 χ^2/NDF : 14.0/21

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

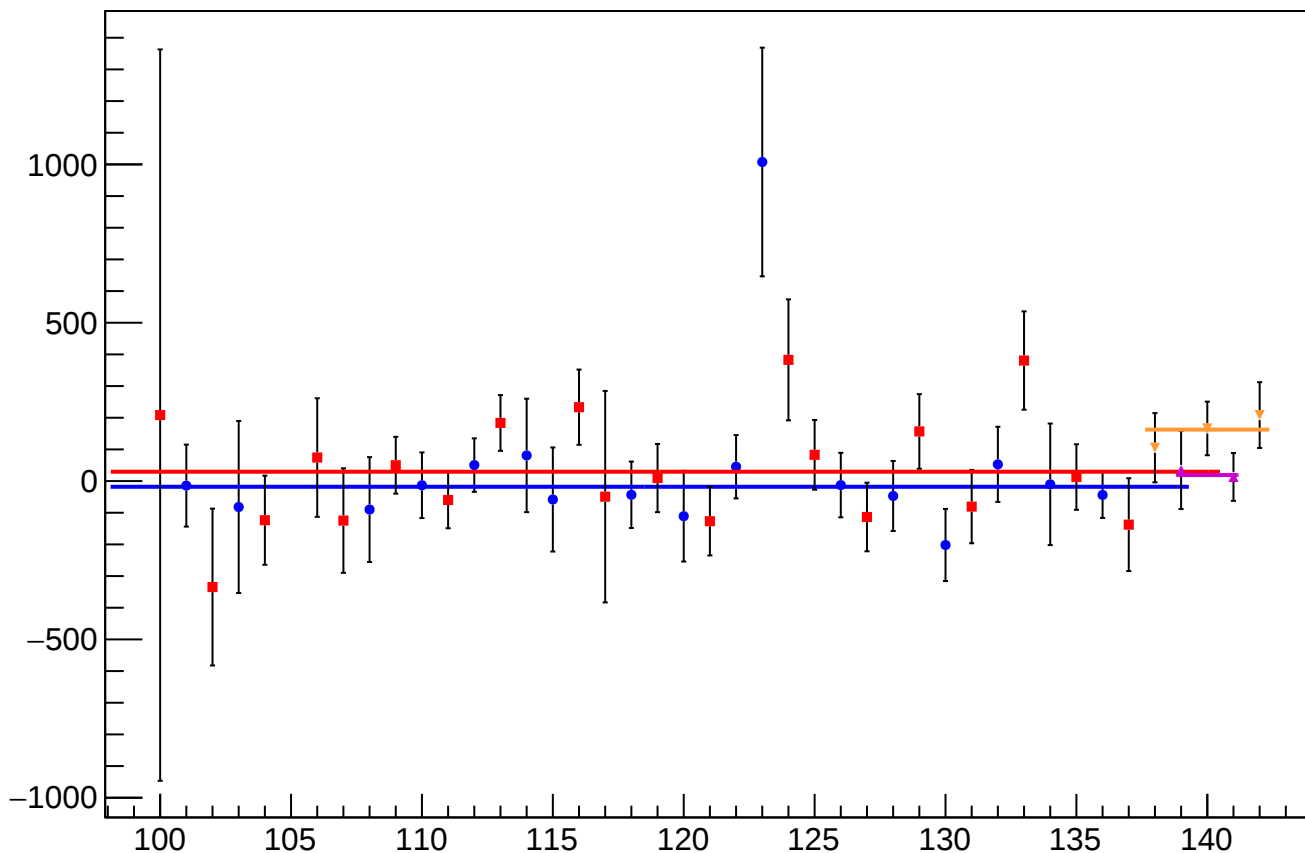
Left In: 657.308+/-0.376 χ^2/NDF : 69564.7/1

888.887+/-0.240 χ^2/NDF : 3348158.5/19

939.468+/-0.179 χ^2/NDF : 6998040.1/41

1003.276+/-0.270 χ^2/NDF : 3549458.3/21

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 162.485 ± 56.261 $\chi^2/\text{NDF}: 0.5/2$

Right Out: 29.517 ± 27.879 $\chi^2/\text{NDF}: 27.5/19$

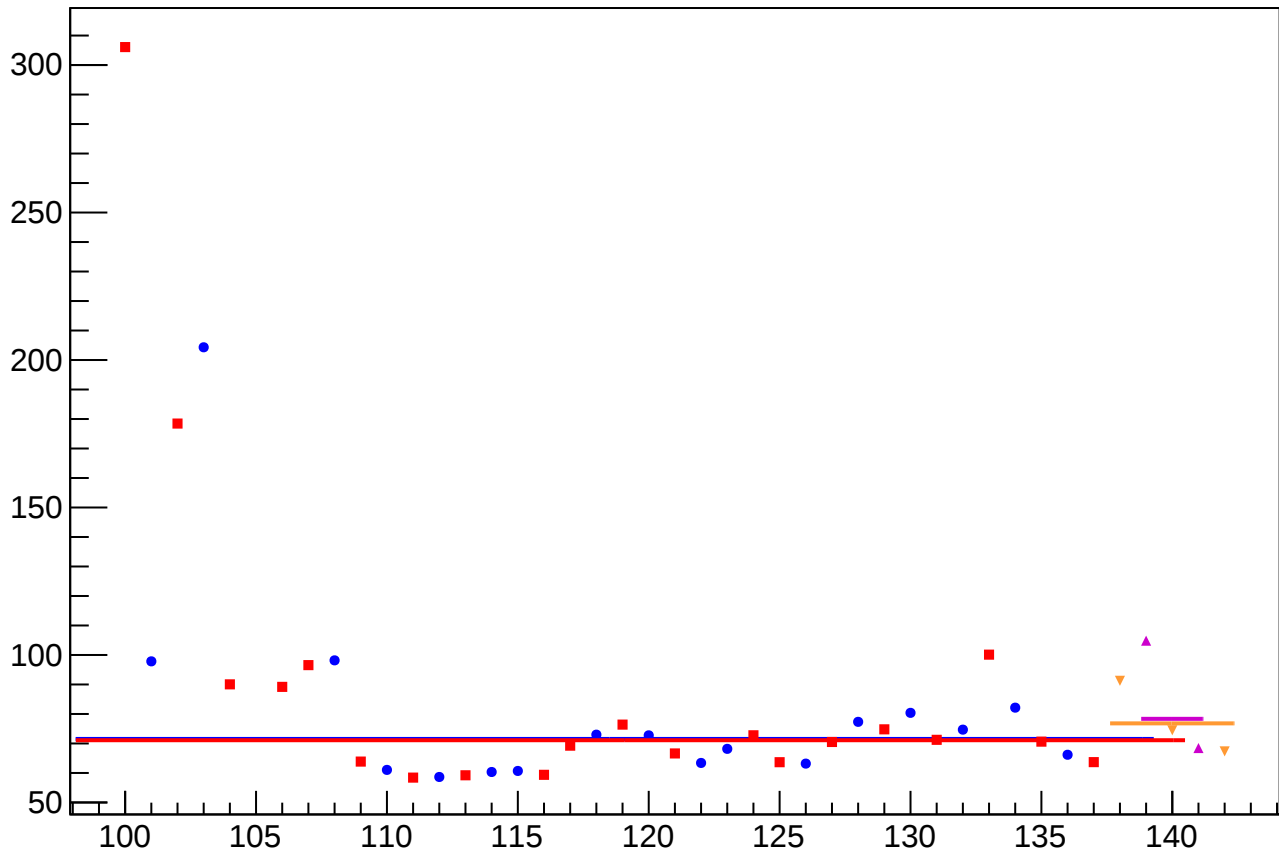
Left In: 19.035 ± 64.402 $\chi^2/\text{NDF}: 0.0/1$

19.596 ± 25.670 $\chi^2/\text{NDF}: 22.0/19$

23.743 ± 18.121 $\chi^2/\text{NDF}: 49.5/41$

27.863 ± 25.584 $\chi^2/\text{NDF}: 27.5/21$

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



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

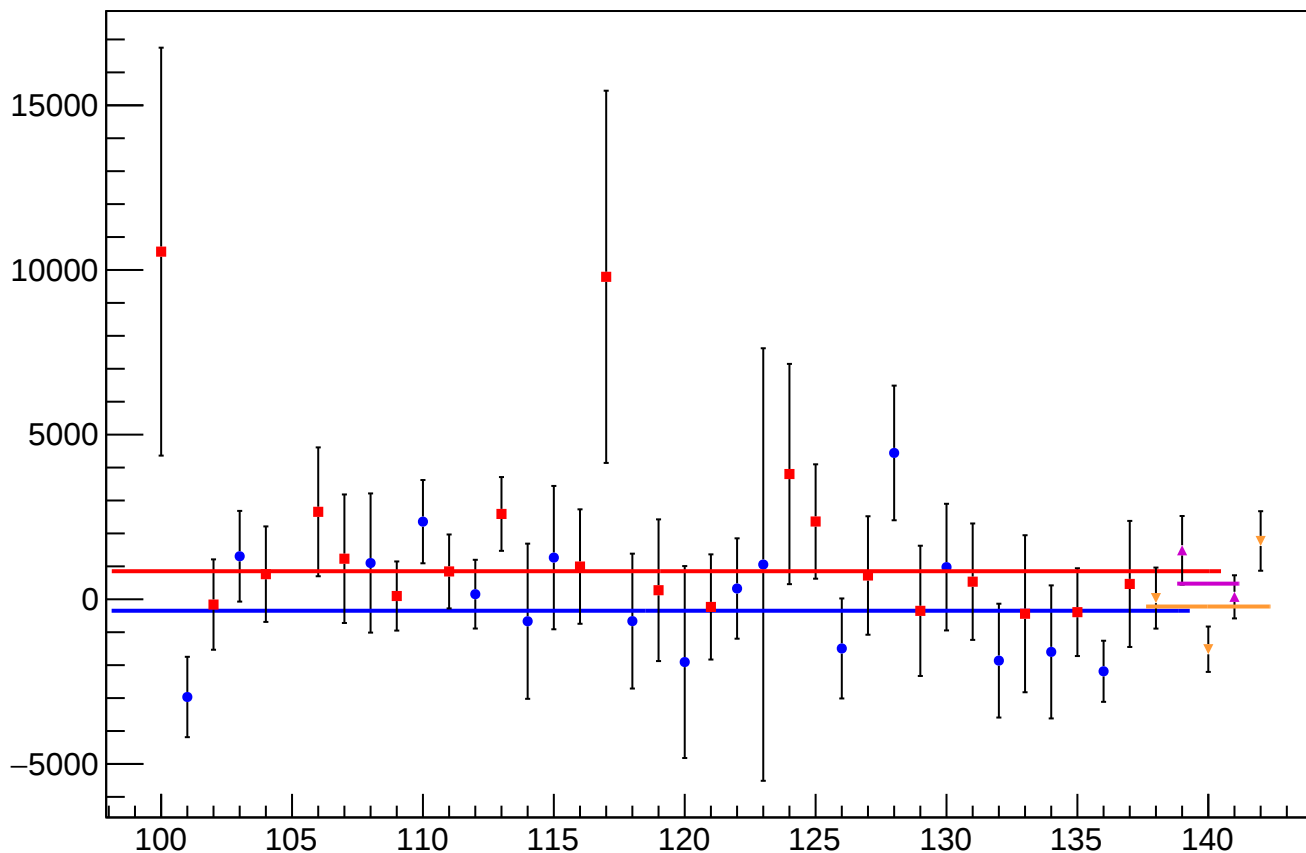
Left In: 78.353 $\pm$ 0.046 χ^2 /NDF:126517.1/1

72.635 $\pm$ 0.018 χ^2 /NDF: 826042.3/19

72.440 $\pm$ 0.013 χ^2 /NDF: 1739363.7/41

72.246 $\pm$ 0.018 χ^2 /NDF: 913091.9/21

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



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

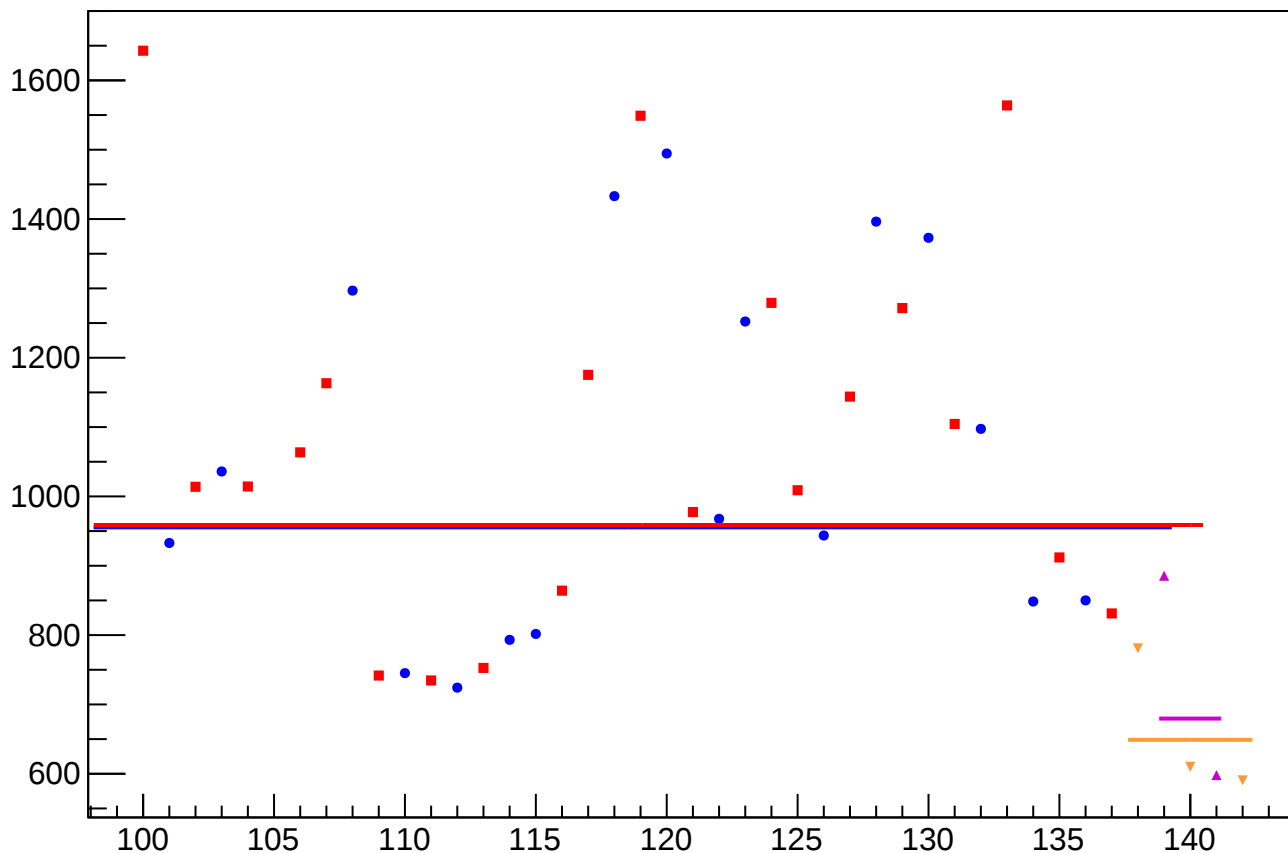
Left In: 474.902+/-554.550 χ^2/NDF : 1.3/1

-297.160+/-296.826 χ^2/NDF : 32.6/19

201.927+/-213.466 χ^2/NDF : 53.1/41

736.567+/-307.216 χ^2/NDF : 14.6/21

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



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

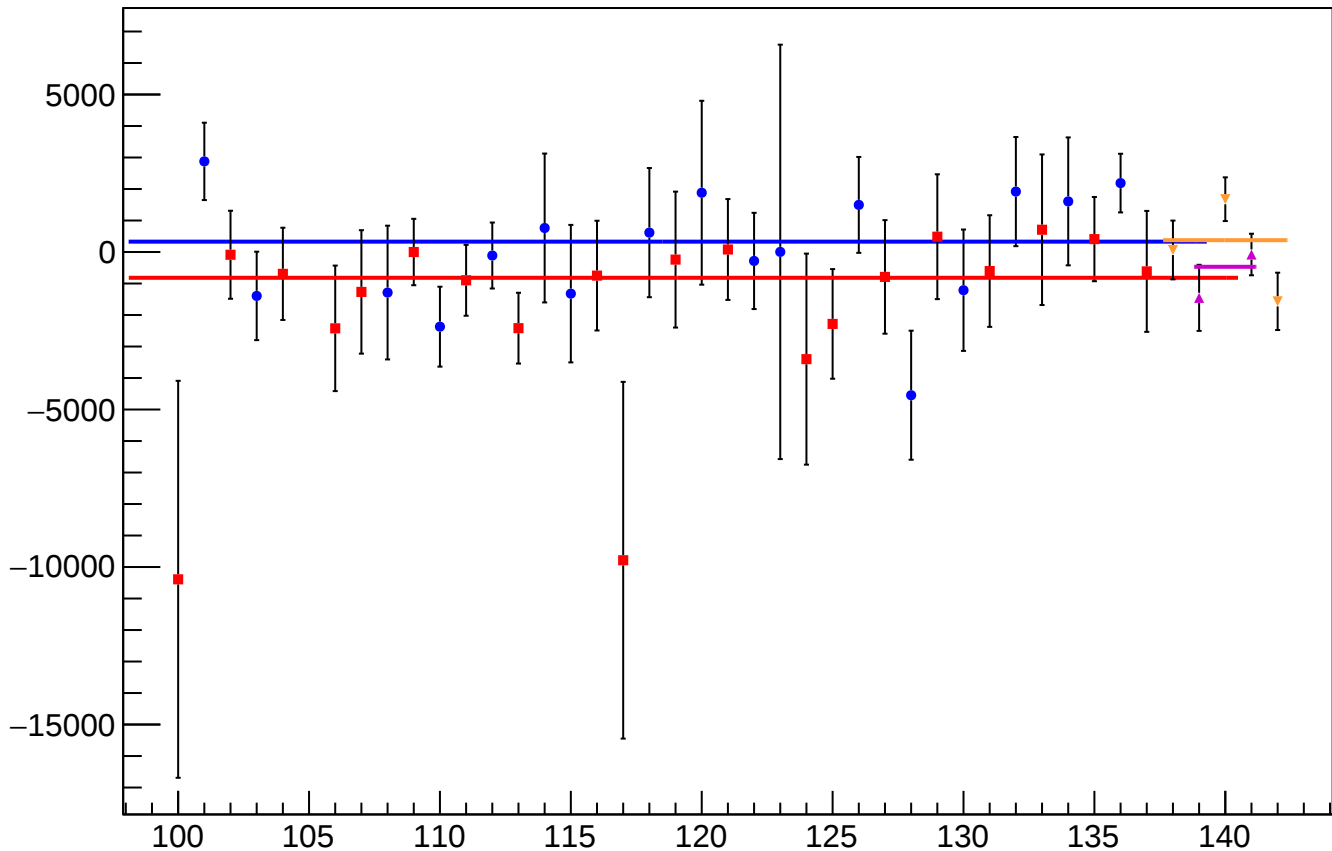
Left In: 679.613+/-0.392 χ^2/NDF : 109158.5/1

834.007+/-0.210 χ^2/NDF : 1211754.2/19

852.881+/-0.151 χ^2/NDF : 2384975.6/41

873.099+/-0.217 χ^2/NDF : 1156473.3/21

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2/NDF : 24.3/16

Left Out: 375.401 $\pm$ 475.007 χ^2/NDF : 8.2/2

Right Out: -818.253 $\pm$ 370.875 χ^2/NDF : 11.8/19

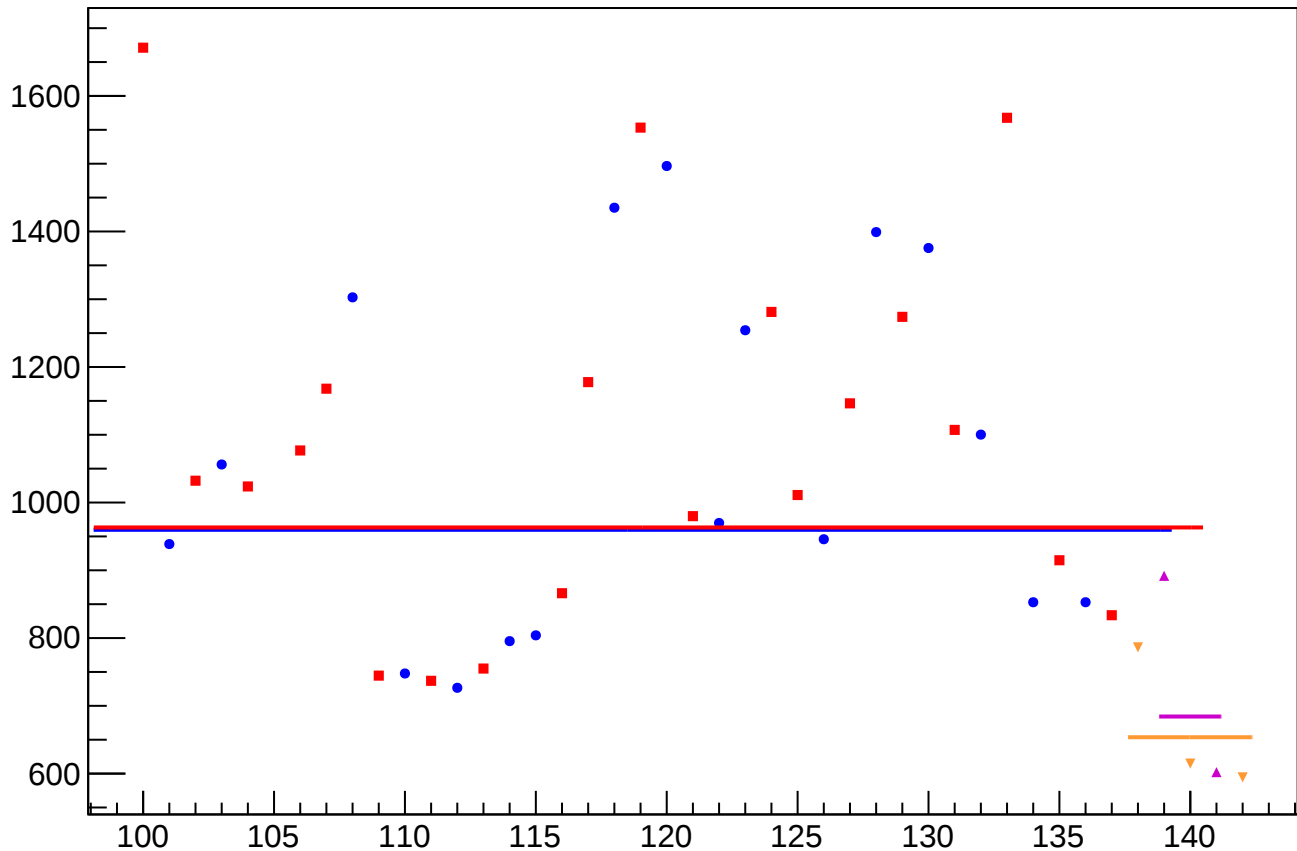
Left In: -469.153 $\pm$ 558.352 χ^2/NDF : 1.2/1

347.423 $\pm$ 298.497 χ^2/NDF : 32.5/19

-163.793 $\pm$ 214.664 χ^2/NDF : 51.9/41

-711.381 $\pm$ 308.933 χ^2/NDF : 13.3/21

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

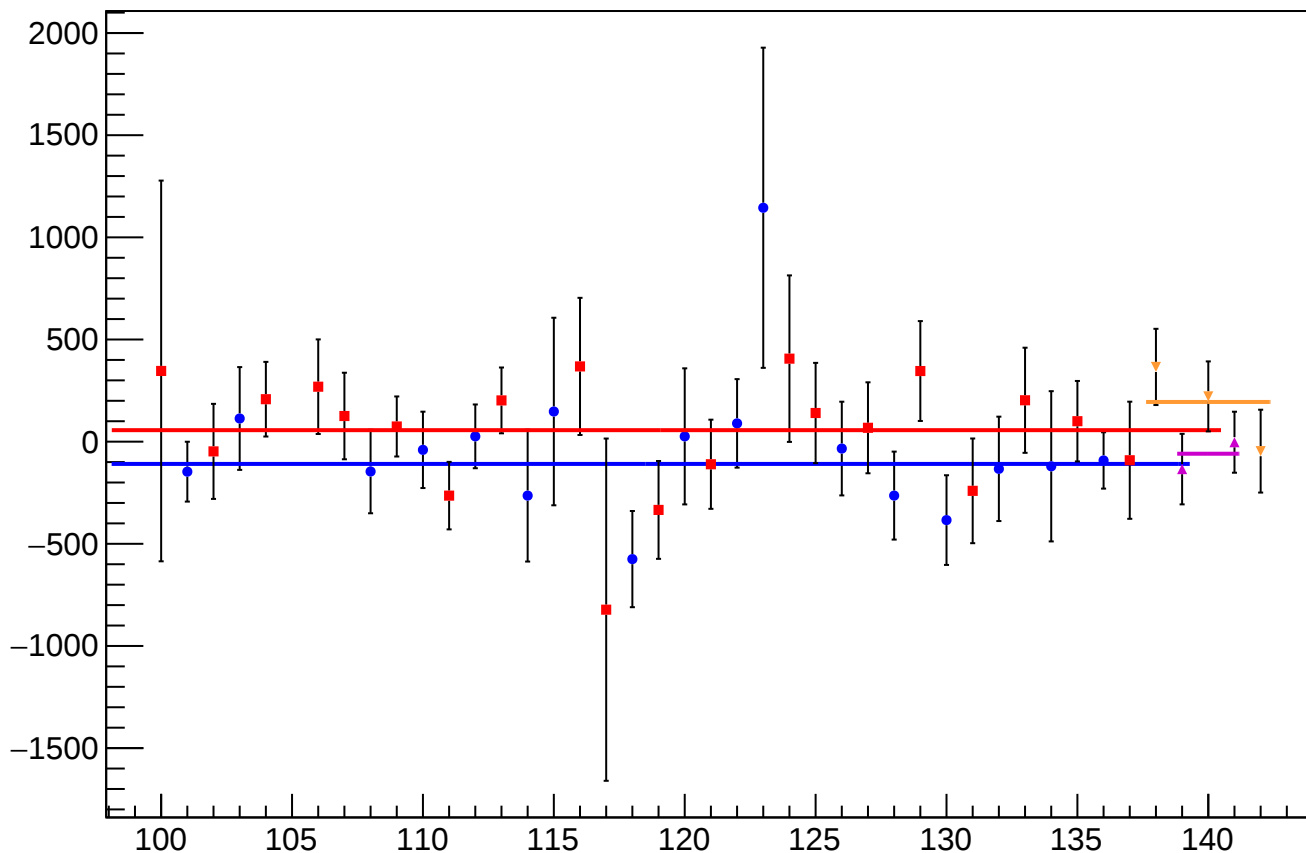
Left In: 684.234+/-0.395 χ^2/NDF : 109309.2/1

838.892+/-0.211 χ^2/NDF : 1204439.0/19

857.690+/-0.152 χ^2/NDF : 2375319.0/41

877.825+/-0.218 χ^2/NDF : 1154452.6/21

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



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

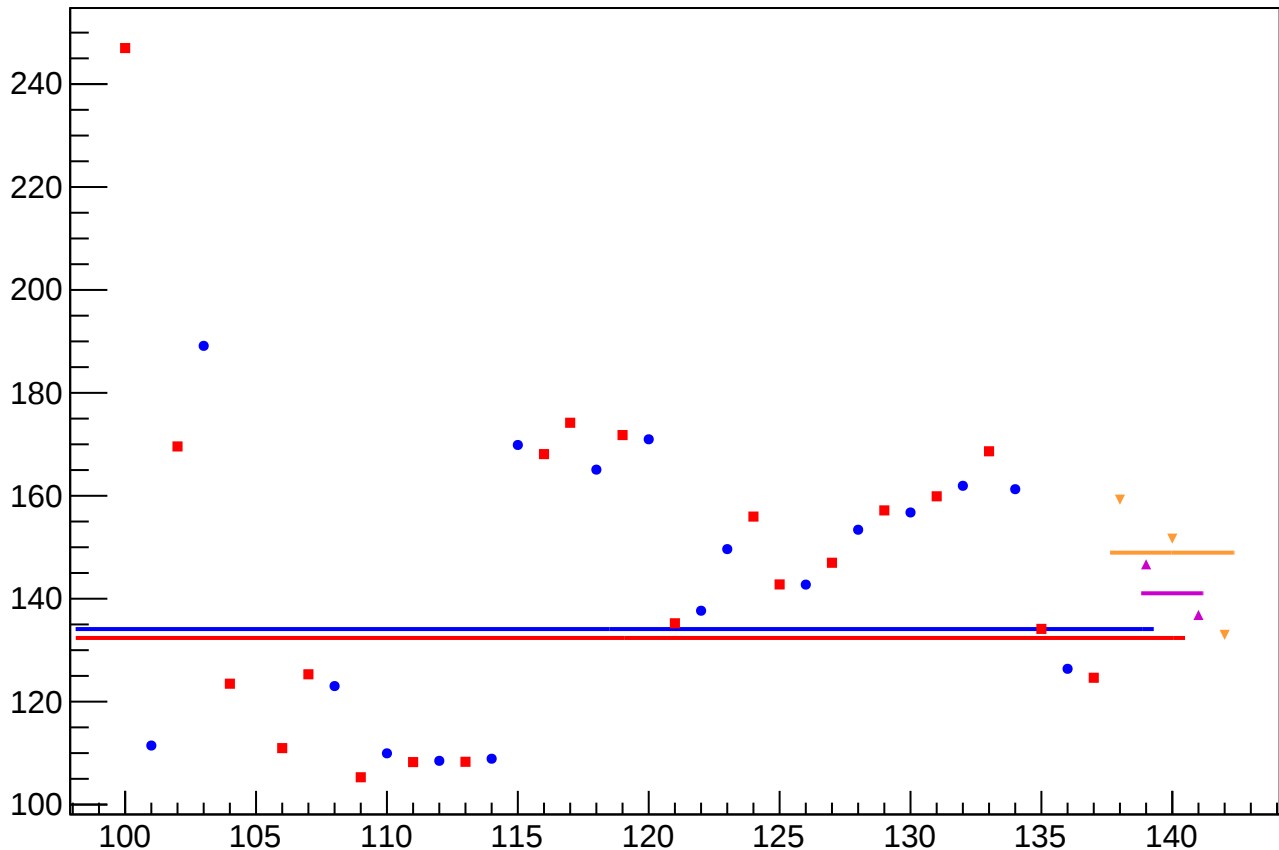
Left In: -59.062+/-112.904 χ^2/NDF : 0.3/1

-49.465+/-47.448 χ^2/NDF : 20.7/19

-5.213+/-33.127 χ^2/NDF : 39.6/41

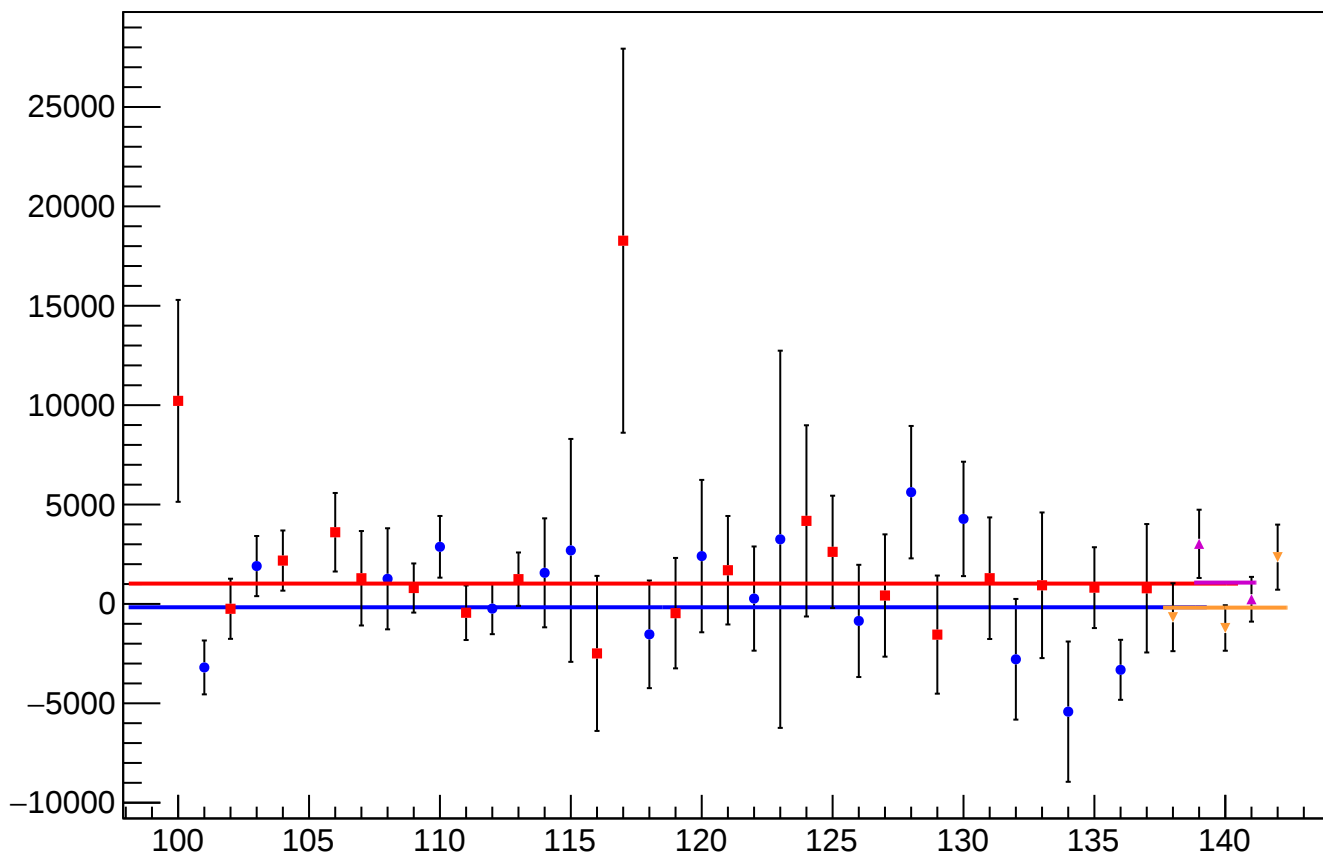
36.874+/-46.273 χ^2/NDF : 17.2/21

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103+/-0.037	χ^2/NDF : 402581.2/16	137.017+/-0.034	χ^2/NDF : 452485.5/19
Left Out: 148.952+/-0.076	χ^2/NDF : 19011.8/2	135.384+/-0.023	χ^2/NDF : 917405.6/41
Right Out: 132.373+/-0.036	χ^2/NDF : 446741.9/19	133.831+/-0.033	χ^2/NDF : 460298.2/21
Left In: 141.053+/-0.080	χ^2/NDF : 3721.1/1		

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



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

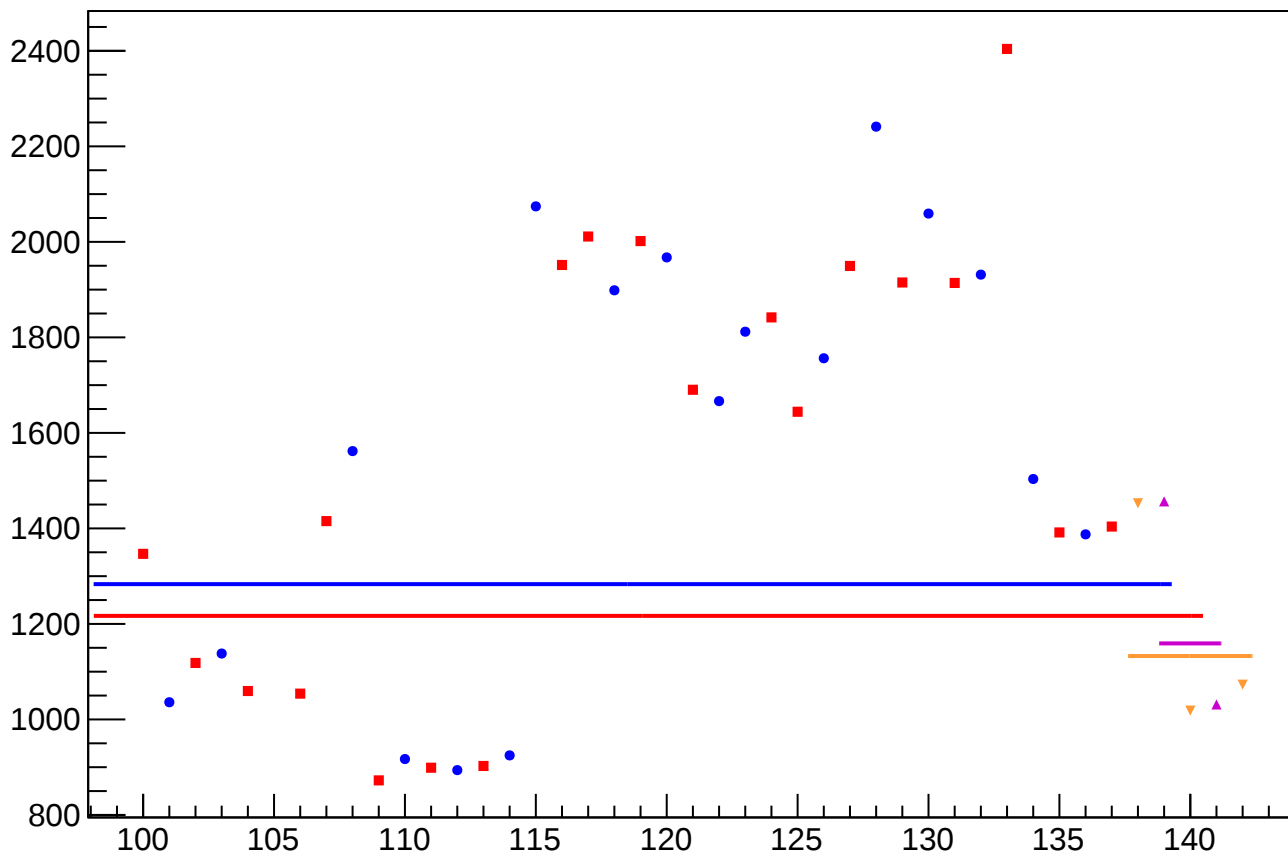
Left In: 1072.739+/-941.219 χ^2/NDF : 1.8/1

-173.400+/-441.709 χ^2/NDF : 28.6/19

449.251+/-307.325 χ^2/NDF : 47.7/41

1033.494+/-427.869 χ^2/NDF : 15.2/21

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 $\pm$ 0.370 χ^2/NDF : 1169431.5/16

Left Out: 1132.767 $\pm$ 0.581 χ^2/NDF : 92724.4/2

Right Out: 1216.852 $\pm$ 0.340 χ^2/NDF : 1374416.0/19

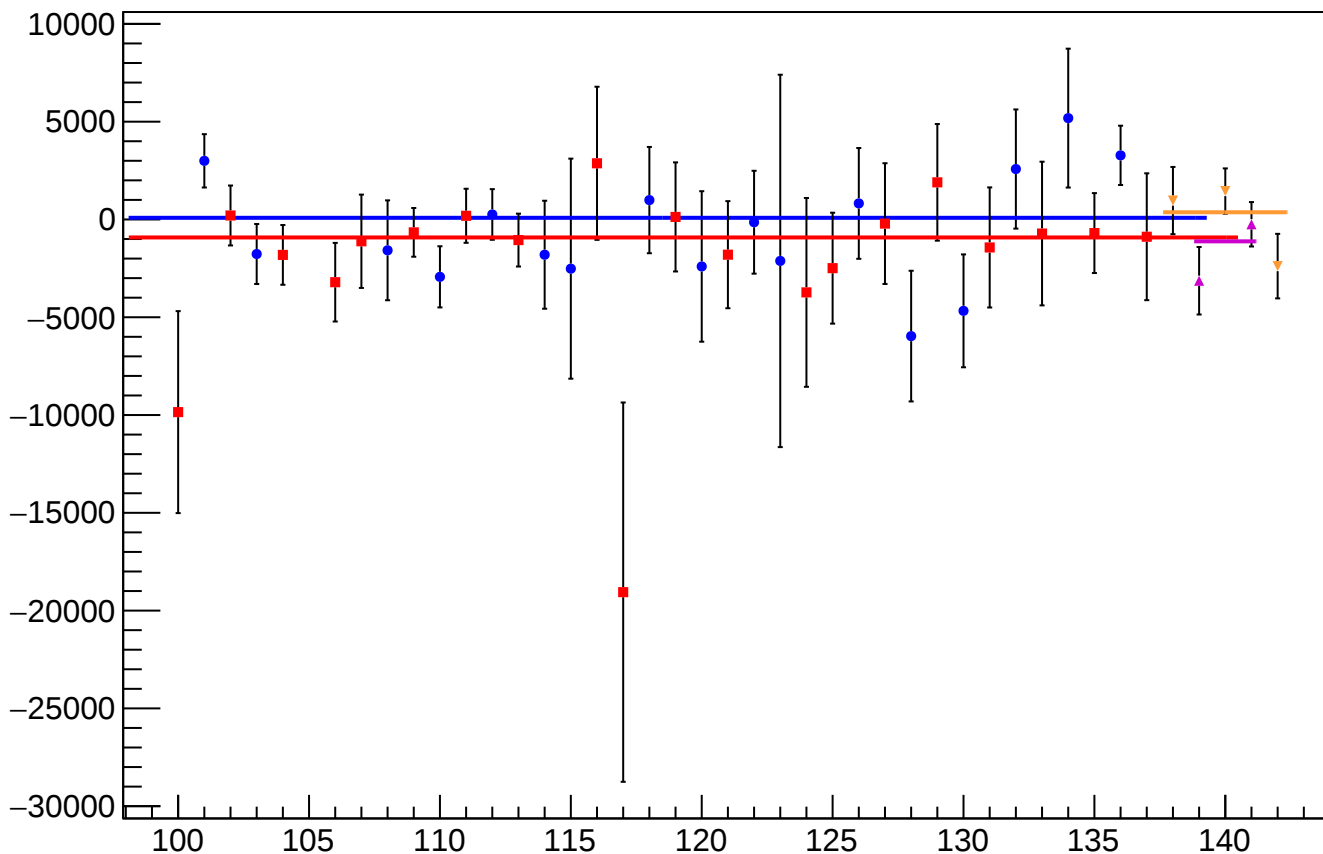
Left In: 1159.212 $\pm$ 0.666 χ^2/NDF : 85798.4/1

1239.879 $\pm$ 0.312 χ^2/NDF : 1309851.1/19

1221.854 $\pm$ 0.217 χ^2/NDF : 2782471.7/41

1204.940 $\pm$ 0.303 χ^2/NDF : 1466165.0/21

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

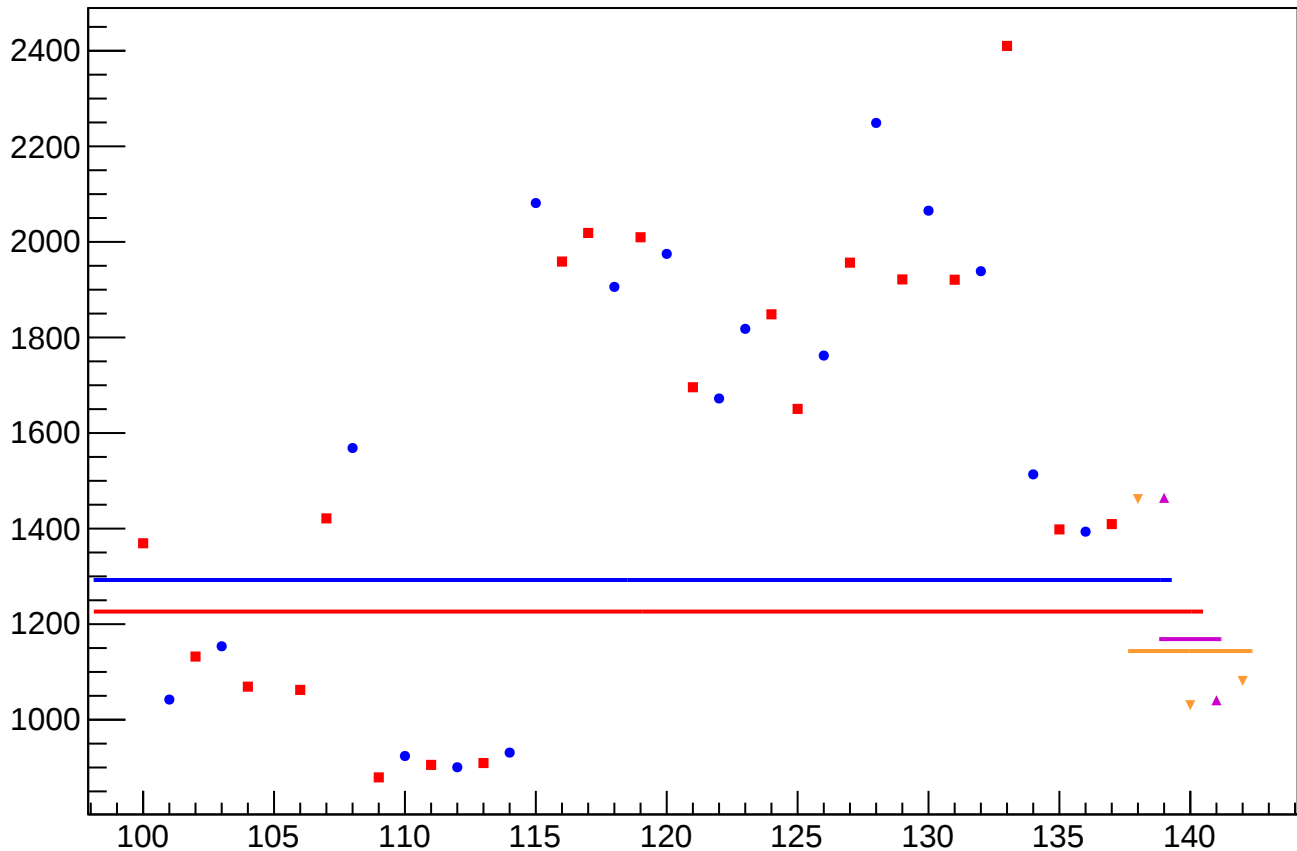
Left In: -1118.818+/-948.583 χ^2/NDF : 2.0/1

166.450+/-444.947 χ^2/NDF : 28.6/19

-415.015+/-309.633 χ^2/NDF : 46.0/41

-960.988+/-431.153 χ^2/NDF : 14.2/21

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1143.749 $\pm$ 0.587 χ^2 /NDF: 90543.7/2

Right Out: 1226.408 $\pm$ 0.342 χ^2 /NDF: 1359134.9/19

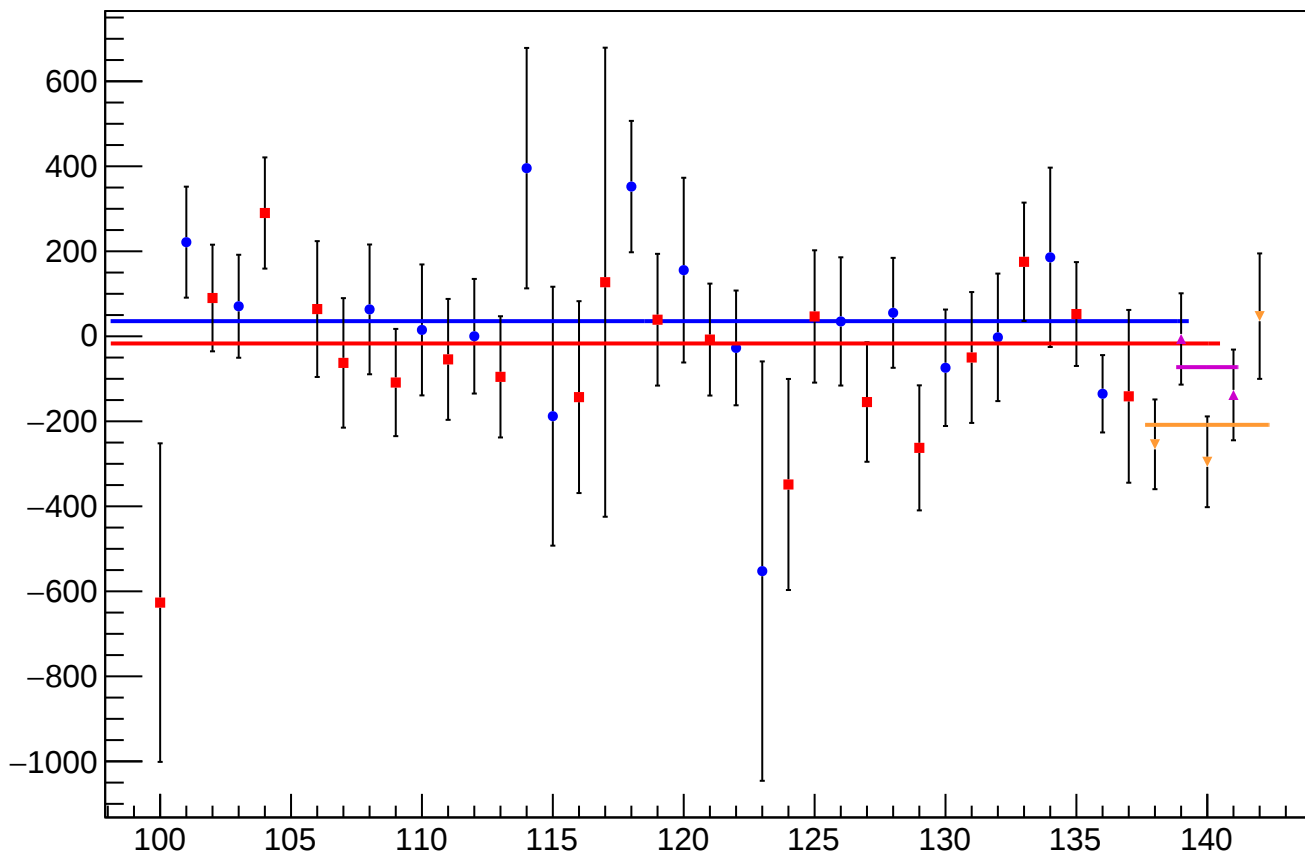
Left In: 1168.671 $\pm$ 0.671 χ^2 /NDF: 84120.1/1

1249.699 $\pm$ 0.315 χ^2 /NDF: 1292851.0/19

1231.535 $\pm$ 0.219 χ^2 /NDF: 2748447.1/41

1214.480 $\pm$ 0.305 χ^2 /NDF: 1449133.7/21

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 $\pm$ 36.350 χ^2 /NDF: 15.3/16

Left Out: -208.280 $\pm$ 66.907 χ^2 /NDF: 3.9/2

Right Out: -16.849 $\pm$ 34.623 χ^2 /NDF: 19.0/19

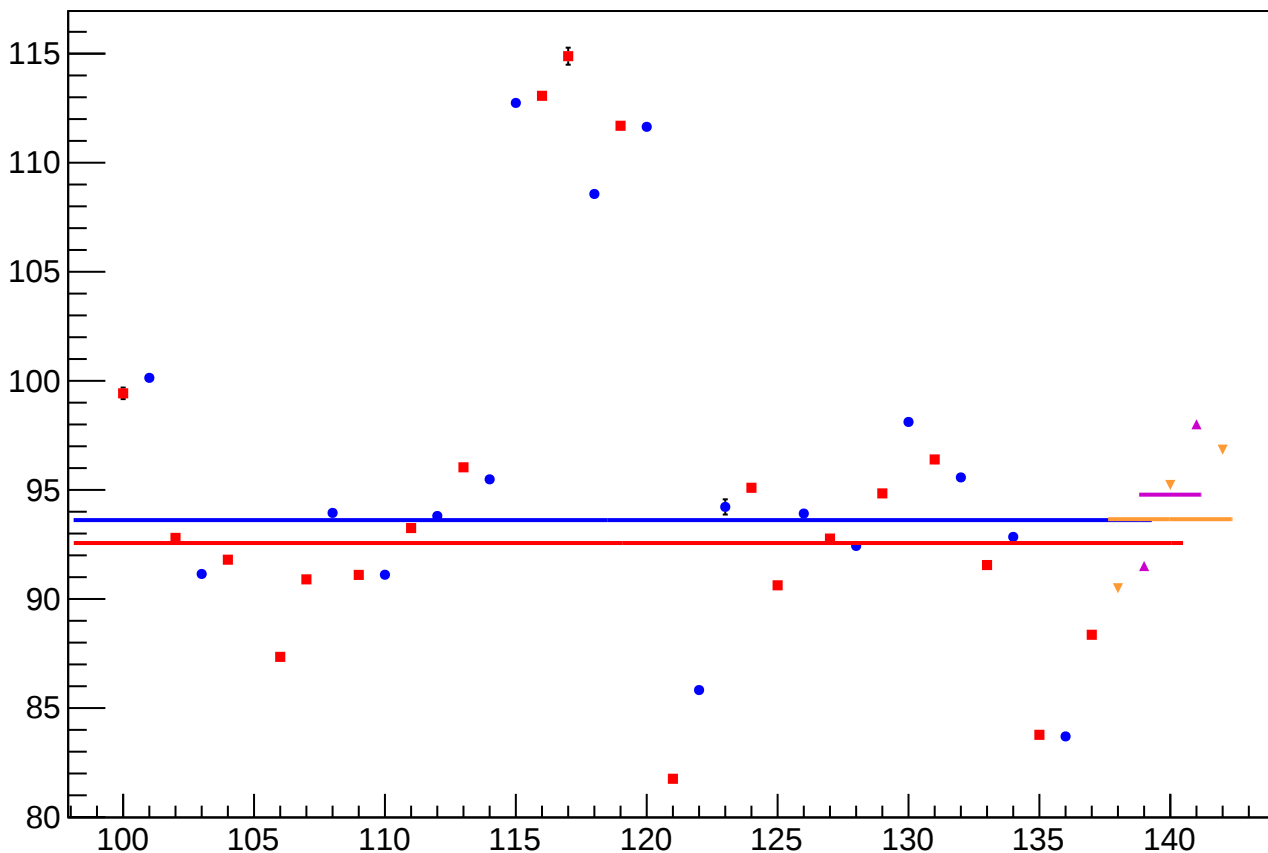
Left In: -72.531 $\pm$ 75.705 χ^2 /NDF: 0.8/1

-19.920 $\pm$ 31.941 χ^2 /NDF: 29.4/19

-23.247 $\pm$ 22.423 χ^2 /NDF: 49.6/41

-26.480 $\pm$ 31.486 χ^2 /NDF: 20.2/21

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616 $\pm$ 0.026 χ^2 /NDF: 79928.5/16

Left Out: 93.657 $\pm$ 0.047 χ^2 /NDF:3163.6/2

Right Out: 92.565 $\pm$ 0.024 χ^2 /NDF: 81875.5/19

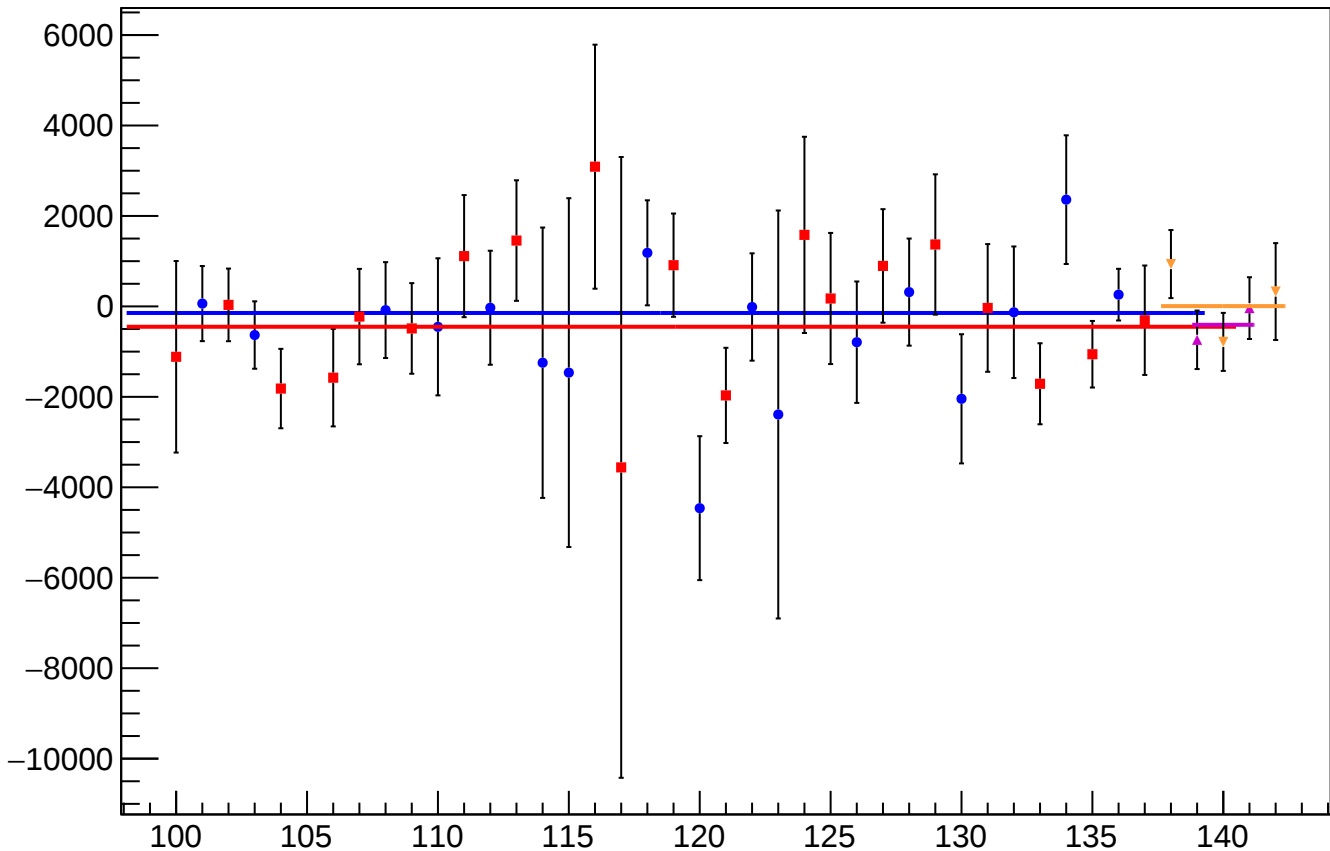
Left In: 94.782 $\pm$ 0.054 χ^2 /NDF:3685.2/1

93.625 $\pm$ 0.023 χ^2 /NDF: 83092.8/19

93.282 $\pm$ 0.016 χ^2 /NDF: 170526.9/41

92.949 $\pm$ 0.022 χ^2 /NDF: 86979.1/21

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464+/-276.629 χ^2/NDF : 15.5/16

Left Out: 6.398+/-444.152 χ^2/NDF : 3.1/2

Right Out: -450.047+/-260.089 χ^2/NDF : 19.2/19

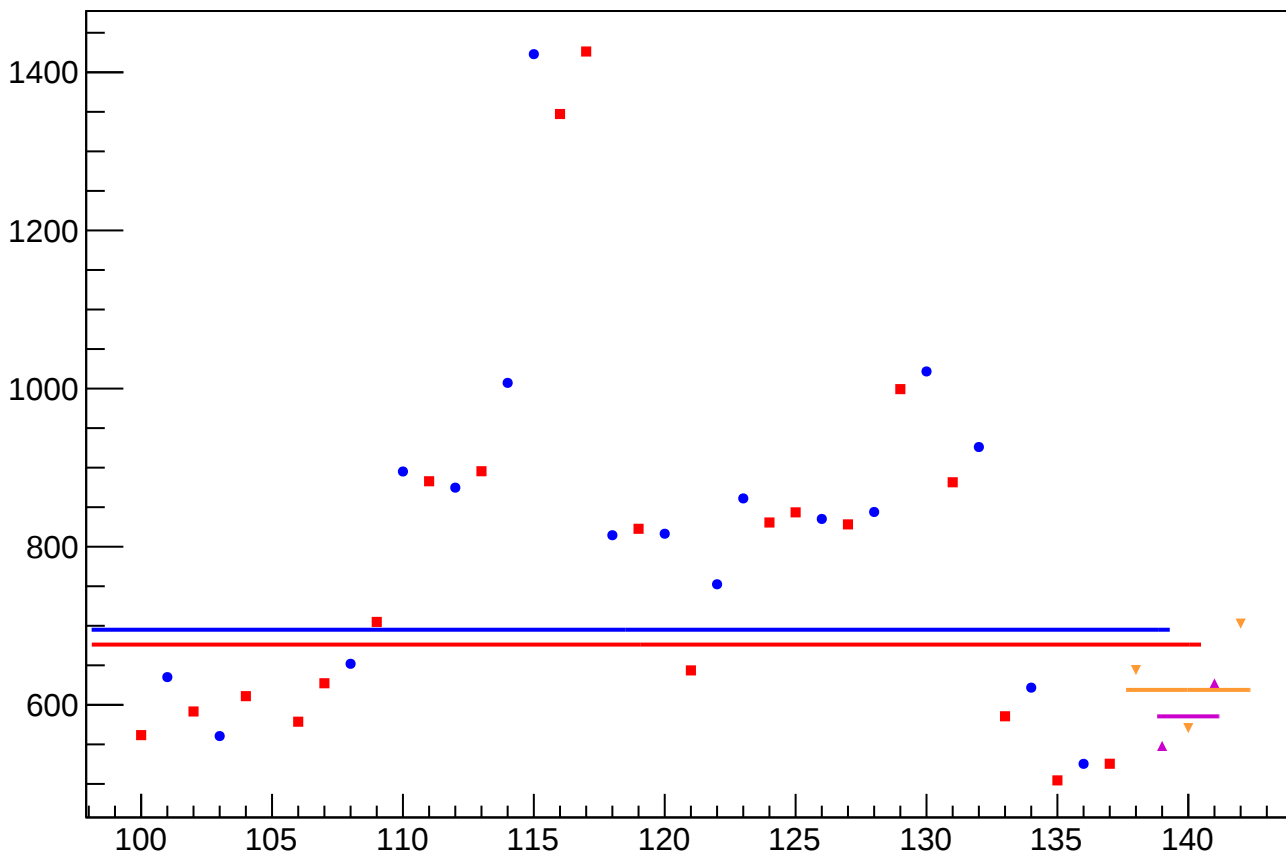
Left In: -407.111+/-469.541 χ^2/NDF : 0.6/1

-103.020+/-234.810 χ^2/NDF : 18.7/19

-276.808+/-163.396 χ^2/NDF : 39.5/41

-439.966+/-227.516 χ^2/NDF : 19.7/21

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



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

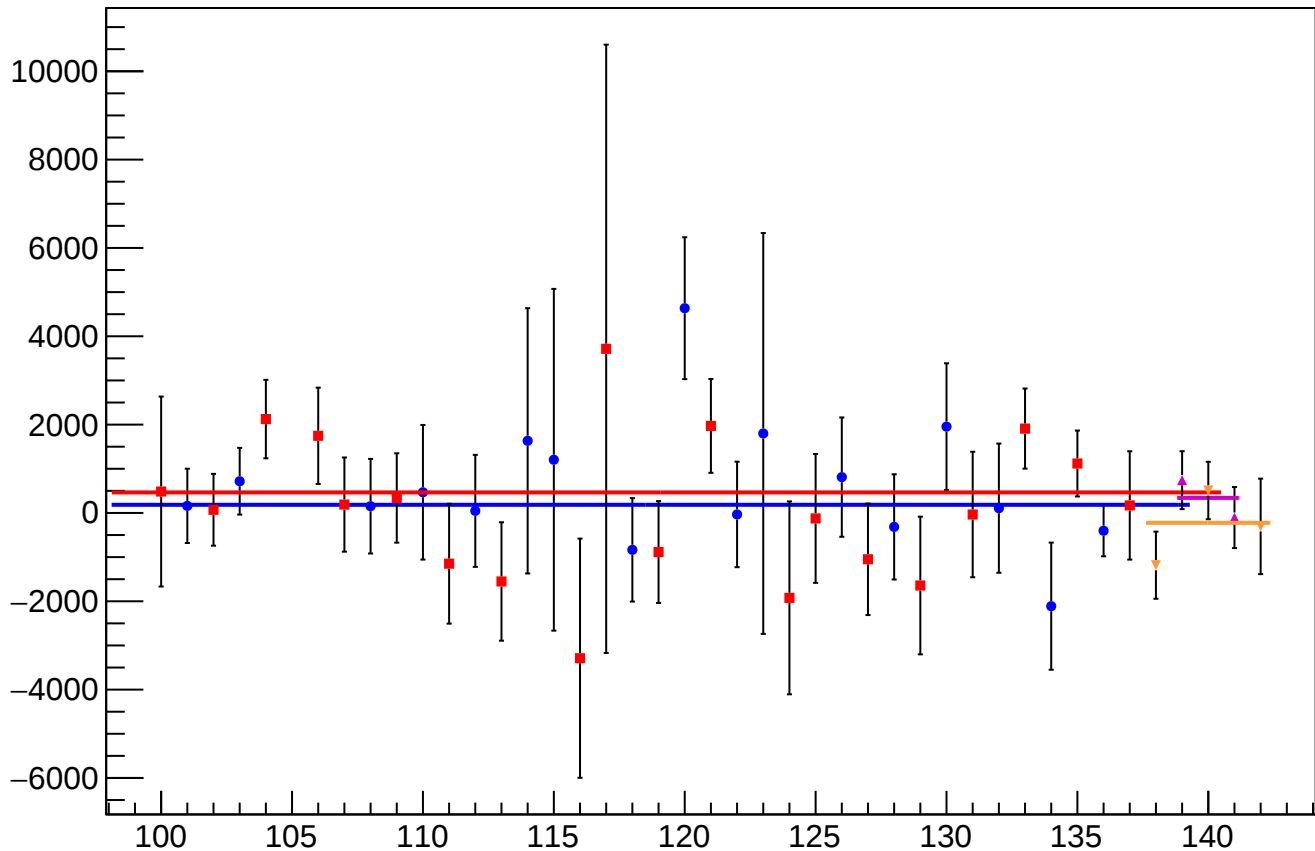
Left In: 585.449+/-0.332 χ^2/NDF : 14138.9/1

673.746+/-0.166 χ^2/NDF : 745821.7/19

664.034+/-0.116 χ^2/NDF : 1524115.5/41

654.915+/-0.161 χ^2/NDF : 771659.2/21

asym_sam_15_dd_mean vs Slug, Sign Corrected



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

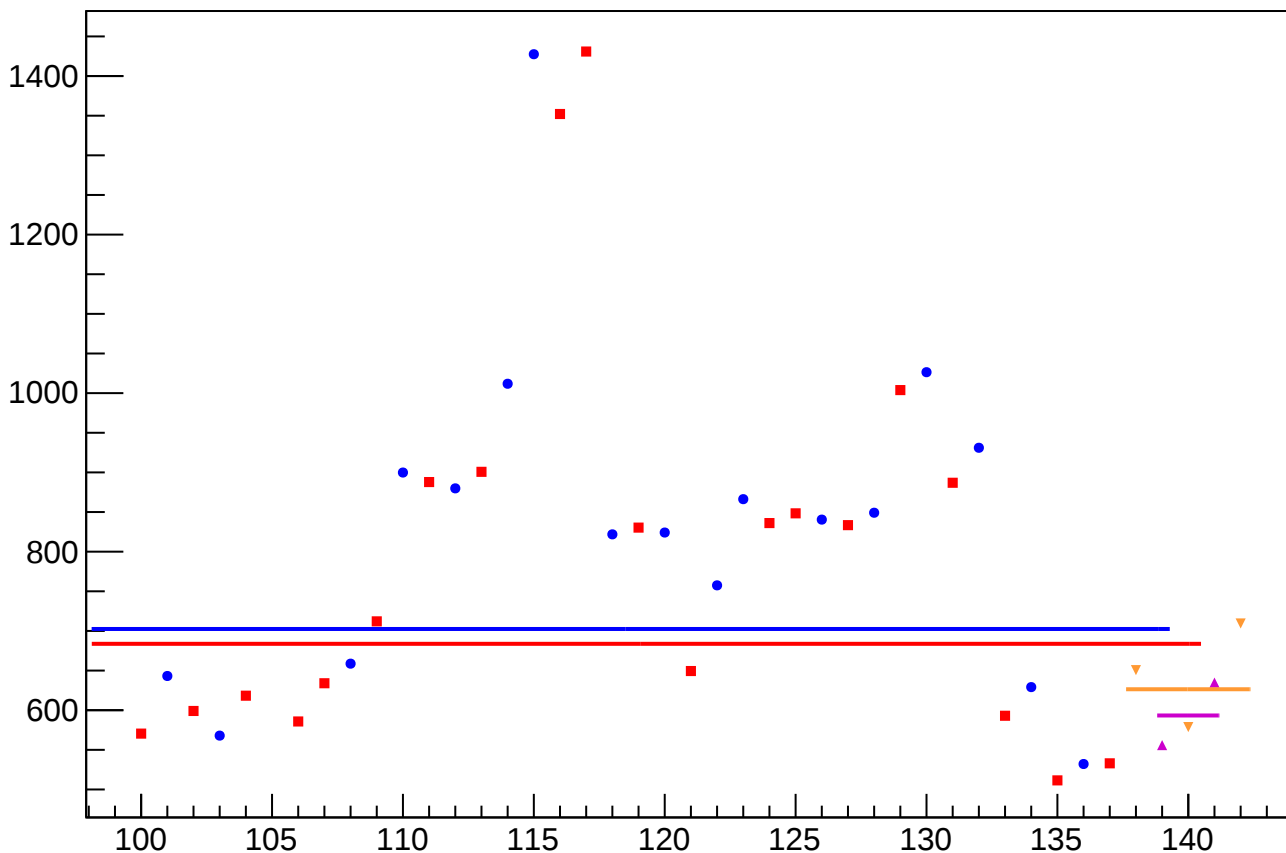
Left In: 340.830+/-475.768 χ^2/NDF : 0.8/1

70.661+/-237.278 χ^2/NDF : 18.4/19

258.960+/-165.154 χ^2/NDF : 43.0/41

435.912+/-230.018 χ^2/NDF : 23.4/21

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

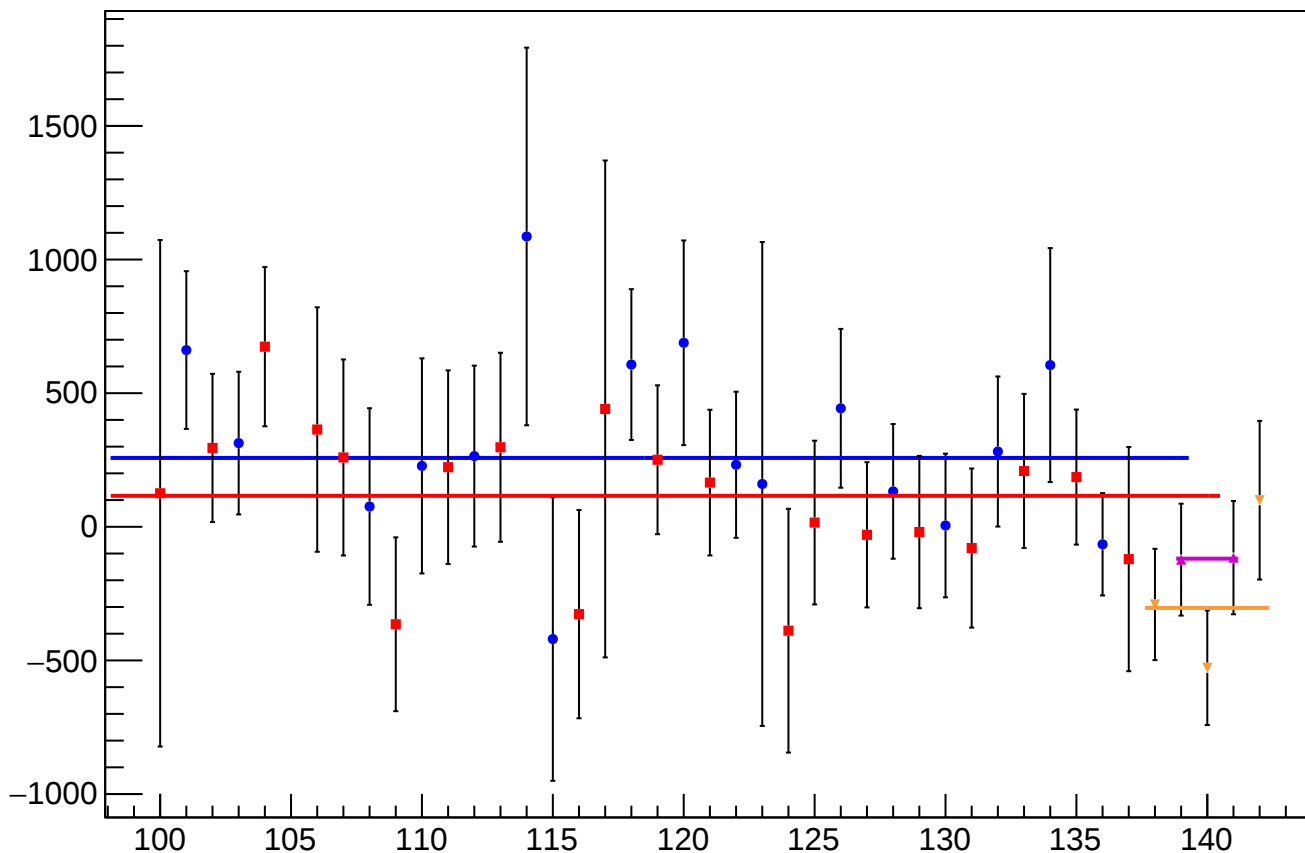
Left In: 593.341+/-0.336 χ^2/NDF : 13700.0/1

681.274+/-0.168 χ^2/NDF : 726381.8/19

671.657+/-0.117 χ^2/NDF : 1484901.7/41

662.619+/-0.163 χ^2/NDF : 752146.3/21

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -303.500 $\pm$ 133.442 χ^2 /NDF: 2.9/2

Right Out: 115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

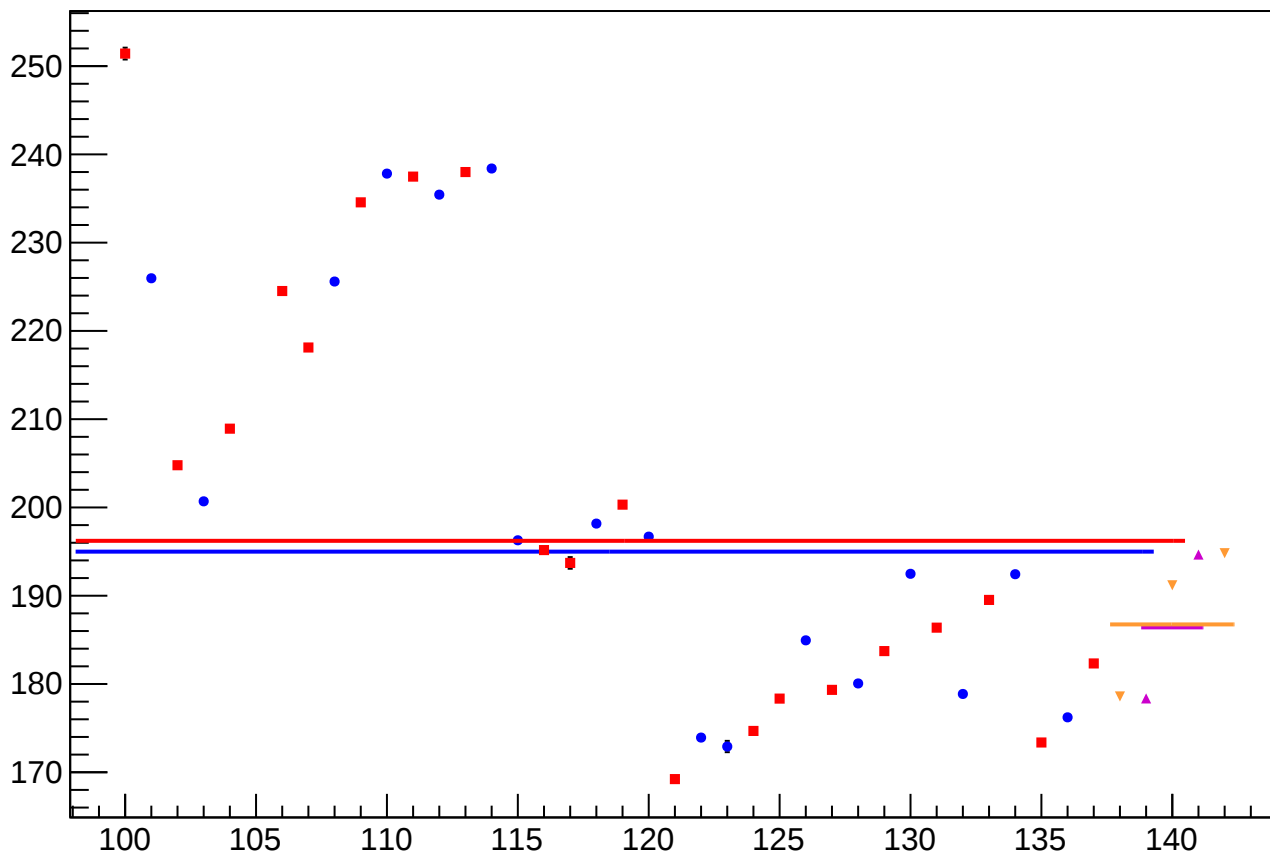
Left In: -119.198 $\pm$ 148.946 χ^2 /NDF: 0.0/1

120.452 $\pm$ 65.995 χ^2 /NDF: 29.3/19

95.026 $\pm$ 46.757 χ^2 /NDF: 43.0/41

69.400 $\pm$ 66.254 χ^2 /NDF: 13.4/21

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 186.749 $\pm$ 0.094 χ^2 /NDF: 5401.8/2

Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

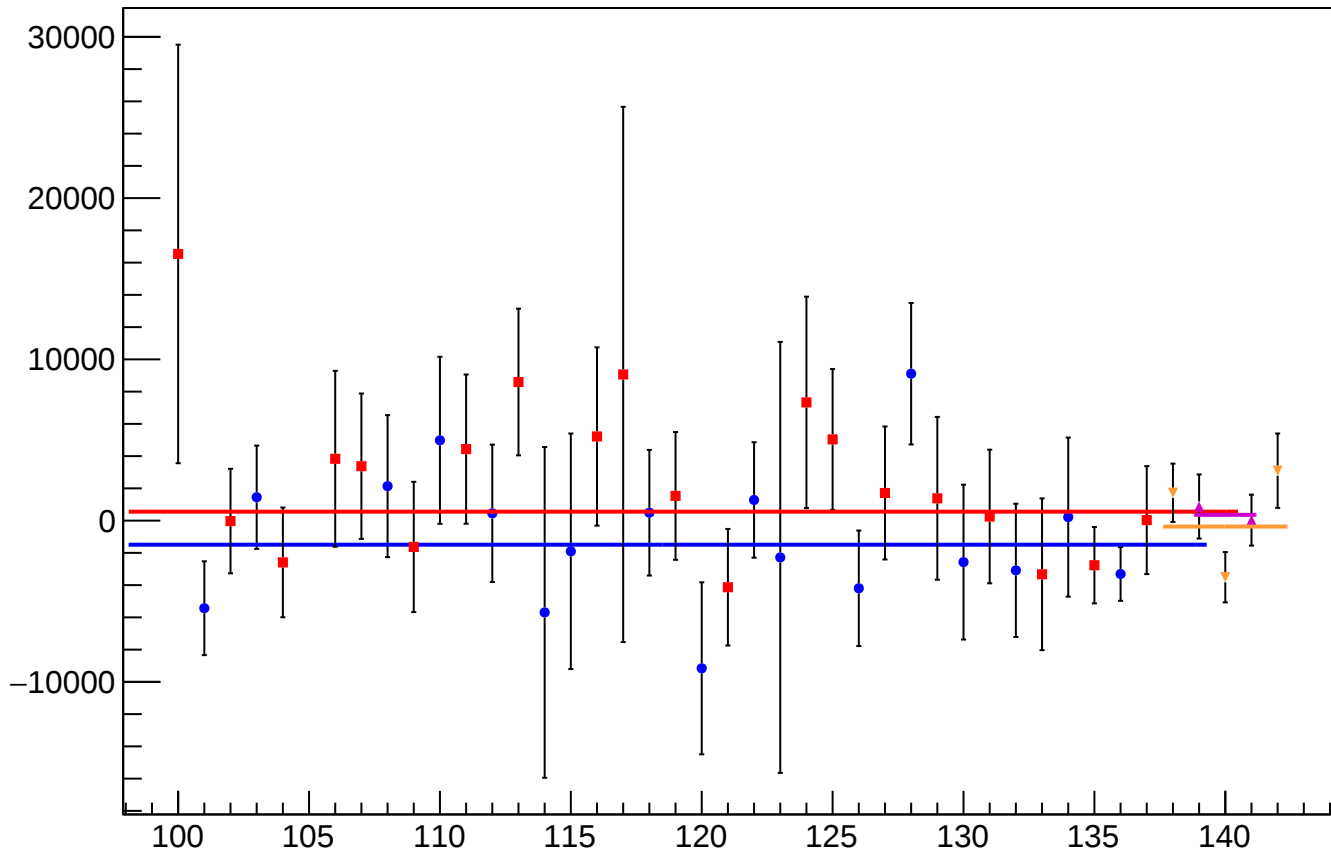
Left In: 186.414 $\pm$ 0.105 χ^2 /NDF: 5985.3/1

192.978 $\pm$ 0.047 χ^2 /NDF: 155440.6/19

193.626 $\pm$ 0.033 χ^2 /NDF: 342271.9/41

194.279 $\pm$ 0.047 χ^2 /NDF: 186444.2/21

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280 $\pm$ 910.834 χ^2 /NDF: 16.1/16

Left Out: -367.868 $\pm$ 1051.387 χ^2 /NDF: 7.7/2

Right Out: 555.744 $\pm$ 933.239 χ^2 /NDF: 14.9/19

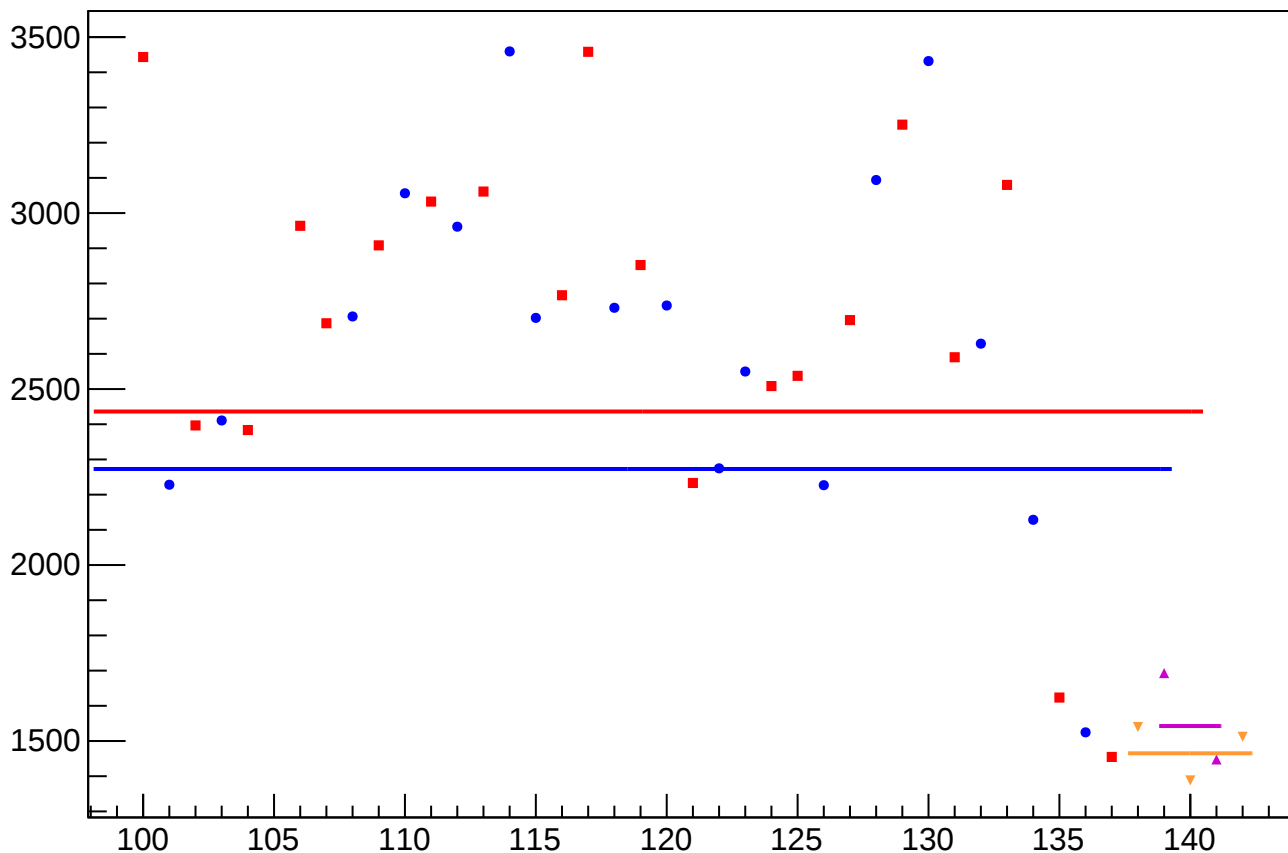
Left In: 358.127 $\pm$ 1236.380 χ^2 /NDF: 0.1/1

-1010.775 $\pm$ 688.427 χ^2 /NDF: 24.4/19

-322.148 $\pm$ 505.568 χ^2 /NDF: 41.6/41

484.018 $\pm$ 744.866 χ^2 /NDF: 15.0/21

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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

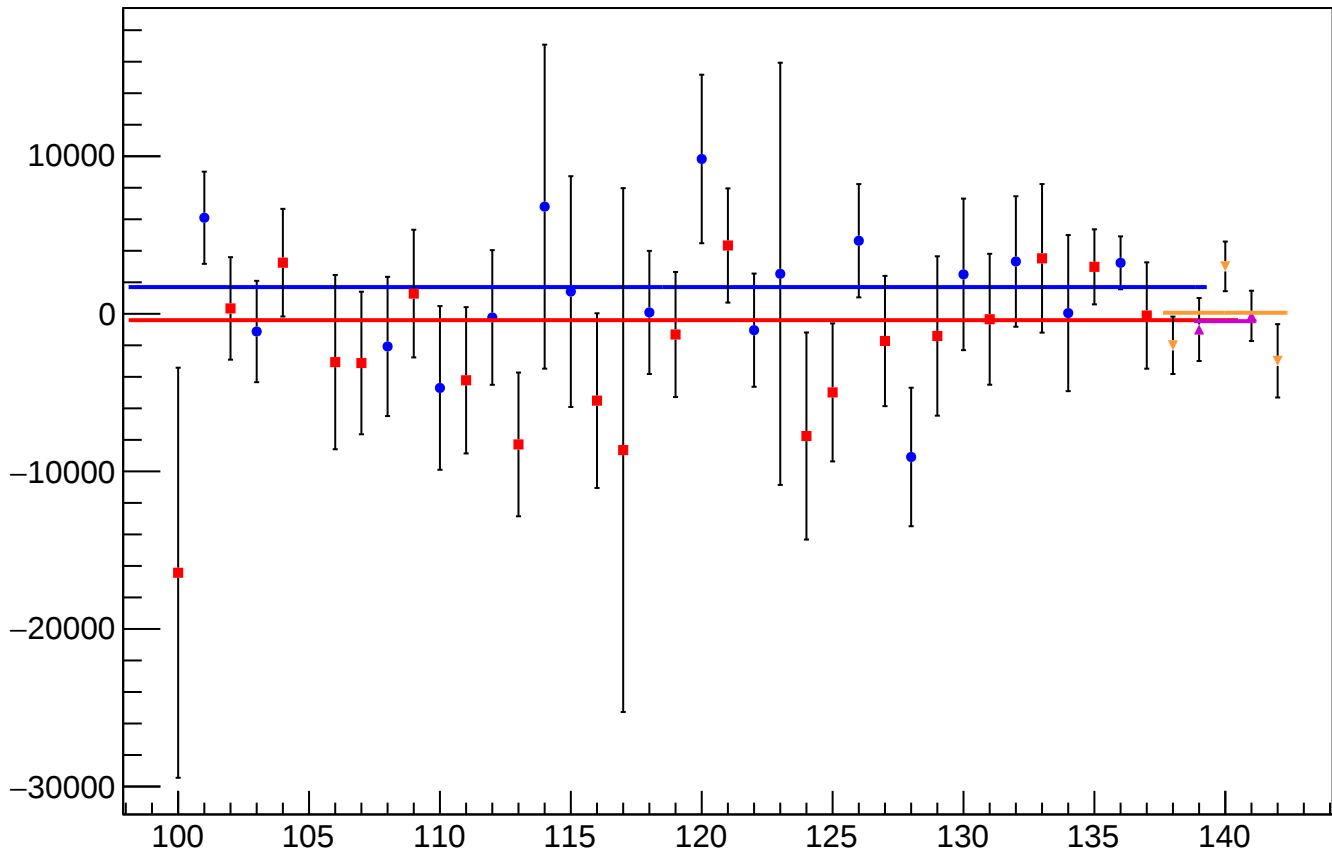
Left In: 1542.591+/-0.874 χ^2/NDF : 18685.5/1

1926.533+/-0.487 χ^2/NDF : 1489275.2/19

2011.908+/-0.357 χ^2/NDF : 2928673.4/41

2111.855+/-0.527 χ^2/NDF : 1372629.6/21

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 67.956 $\pm$ 1060.274 χ^2 /NDF: 6.5/2

Right Out: -403.904 $\pm$ 937.036 χ^2 /NDF: 15.2/19

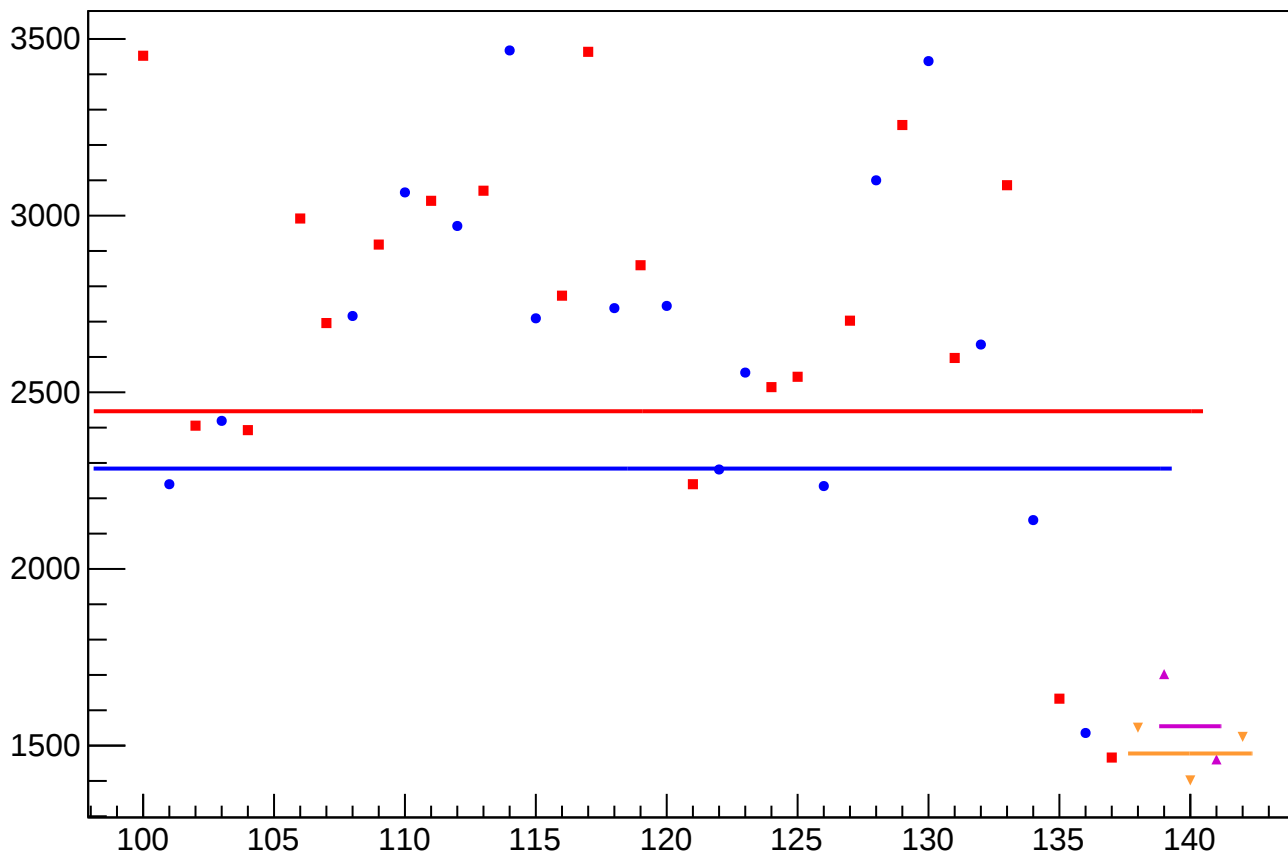
Left In: -465.886 $\pm$ 1245.962 χ^2 /NDF: 0.1/1

1001.171 $\pm$ 692.653 χ^2 /NDF: 24.5/19

343.039 $\pm$ 508.499 χ^2 /NDF: 41.8/41

-426.296 $\pm$ 748.888 χ^2 /NDF: 15.3/21

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2/NDF : 793993.4/16

Left Out: 1477.678 $\pm$ 0.750 χ^2/NDF : 8711.9/2

Right Out: 2446.366 $\pm$ 0.663 χ^2/NDF : 680413.3/19

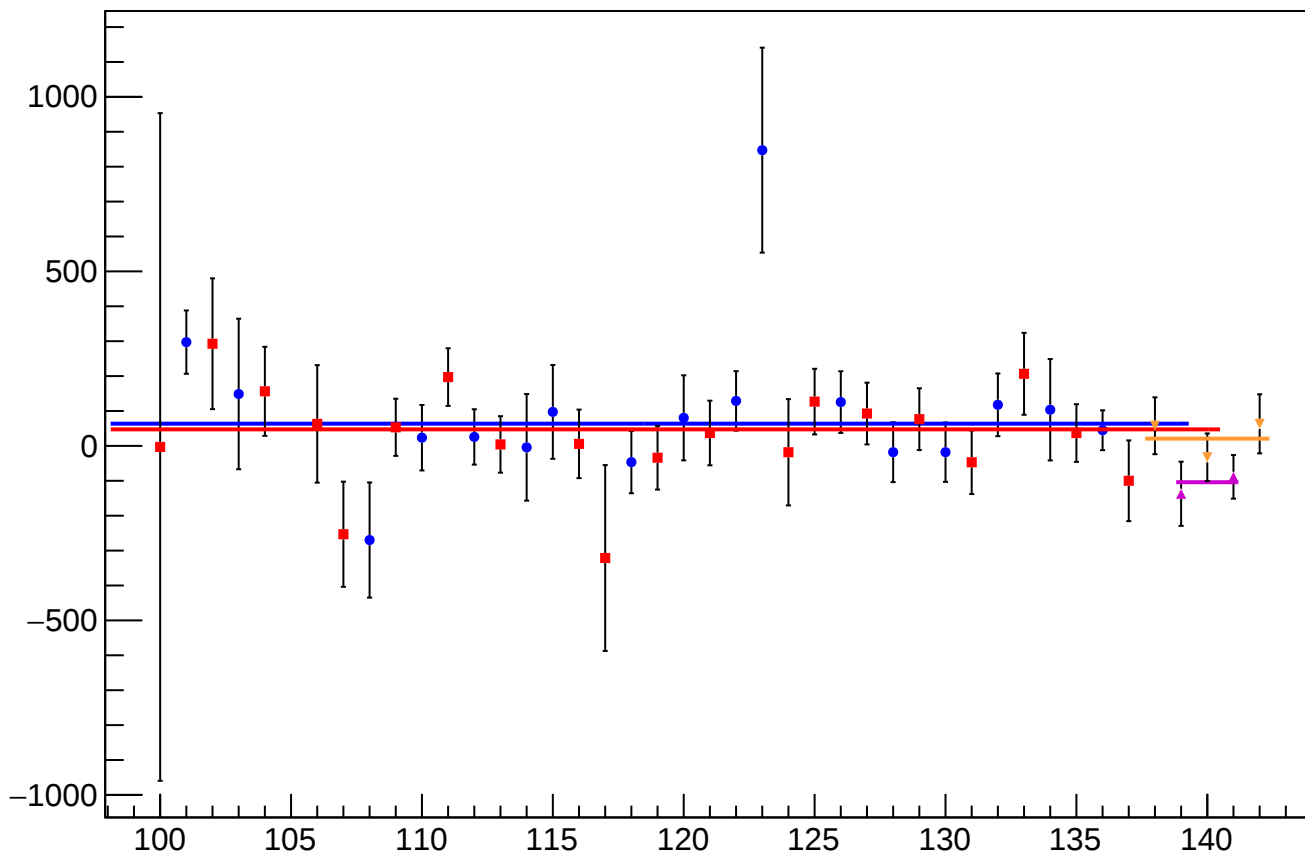
Left In: 1554.825 $\pm$ 0.881 χ^2/NDF : 17840.0/1

1939.944 $\pm$ 0.490 χ^2/NDF : 1465913.0/19

2024.934 $\pm$ 0.360 χ^2/NDF : 2883548.4/41

2124.285 $\pm$ 0.530 χ^2/NDF : 1352324.1/21

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



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

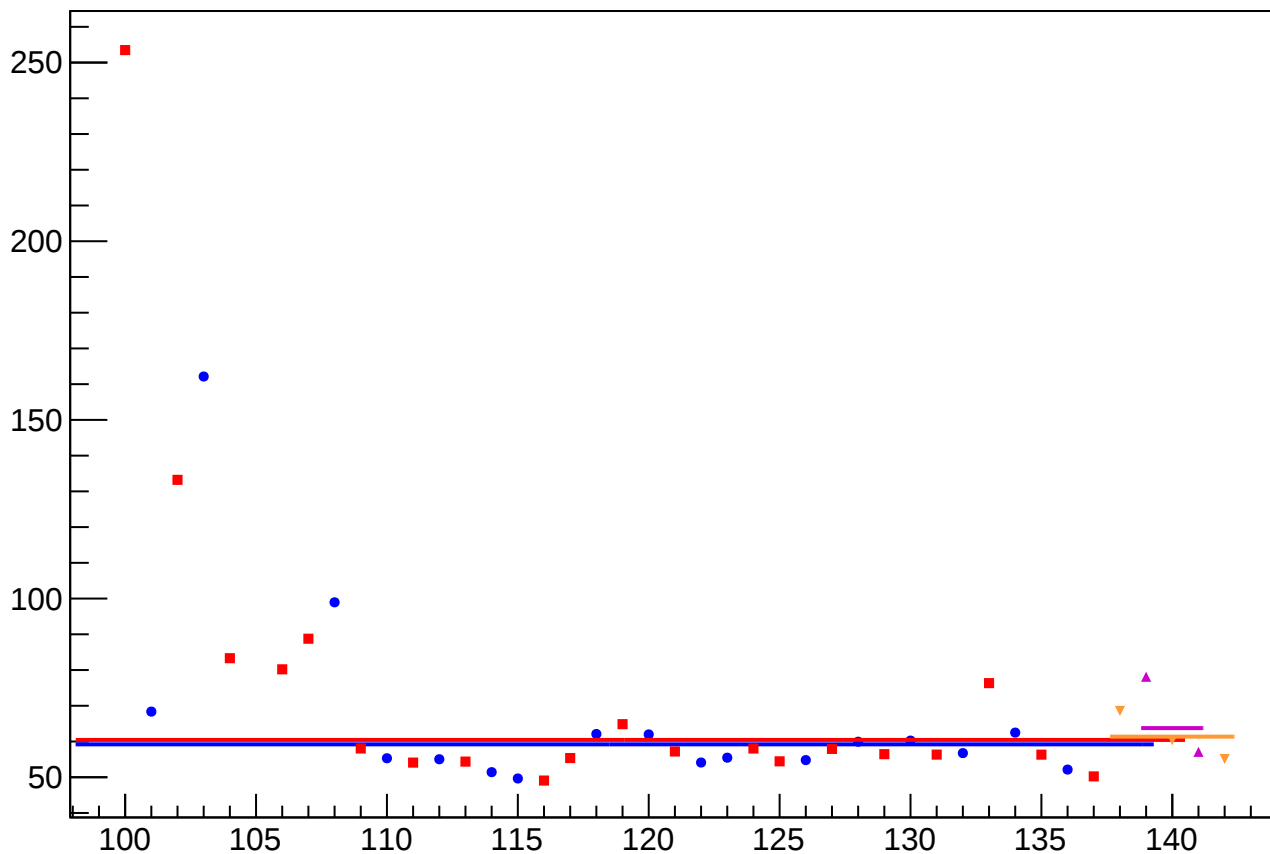
Left In: -104.048 $\pm$ 51.696 χ^2 /NDF:0.2/1

54.179 $\pm$ 20.947 χ^2 /NDF: 25.5/19

38.131 $\pm$ 14.985 χ^2 /NDF: 52.7/41

21.312 $\pm$ 21.445 χ^2 /NDF: 26.0/21

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

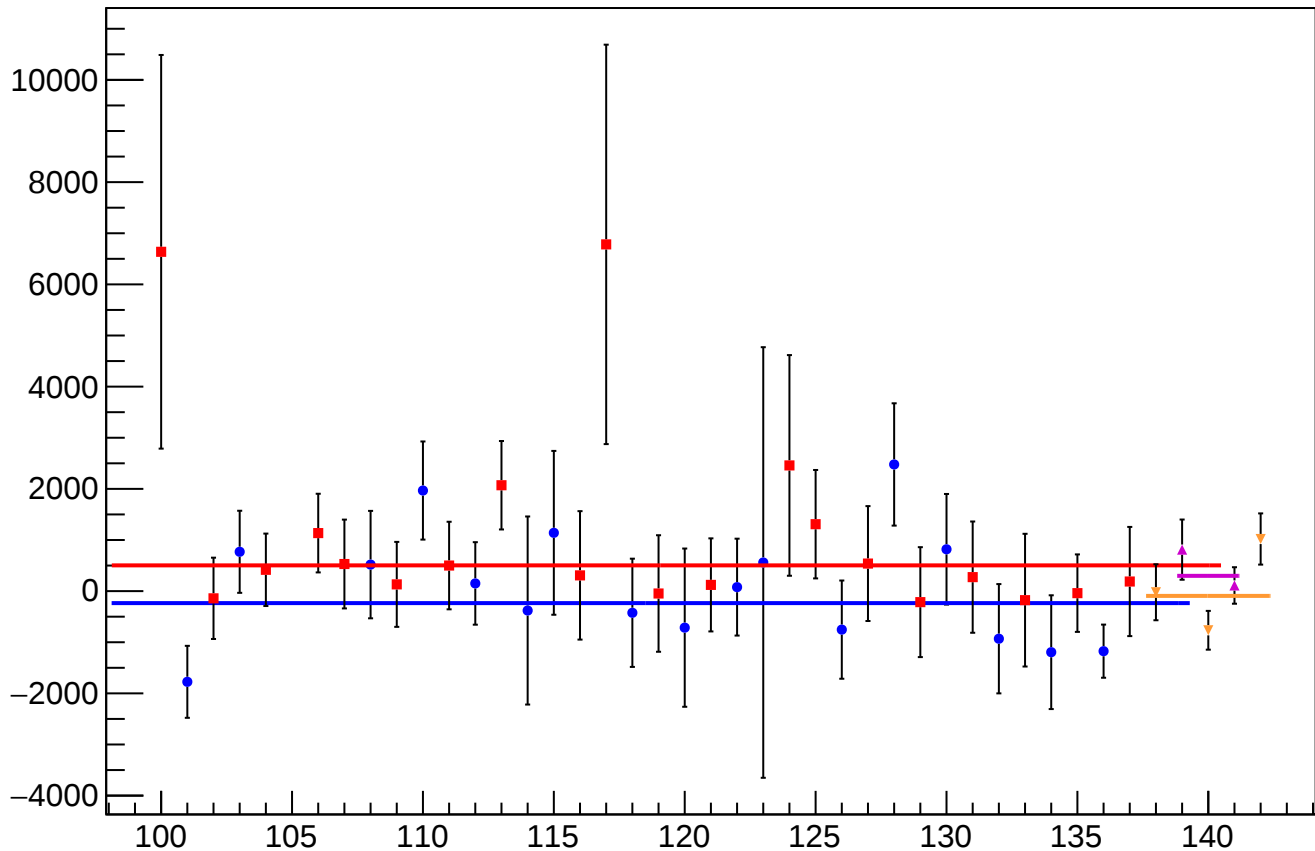
Left In: 63.752 $\pm$ 0.037 χ^2 /NDF: 71459.0/1

59.680 $\pm$ 0.015 χ^2 /NDF: 696085.7/19

60.330 $\pm$ 0.011 χ^2 /NDF: 1459074.1/41

61.013 $\pm$ 0.015 χ^2 /NDF: 759033.7/21

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



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

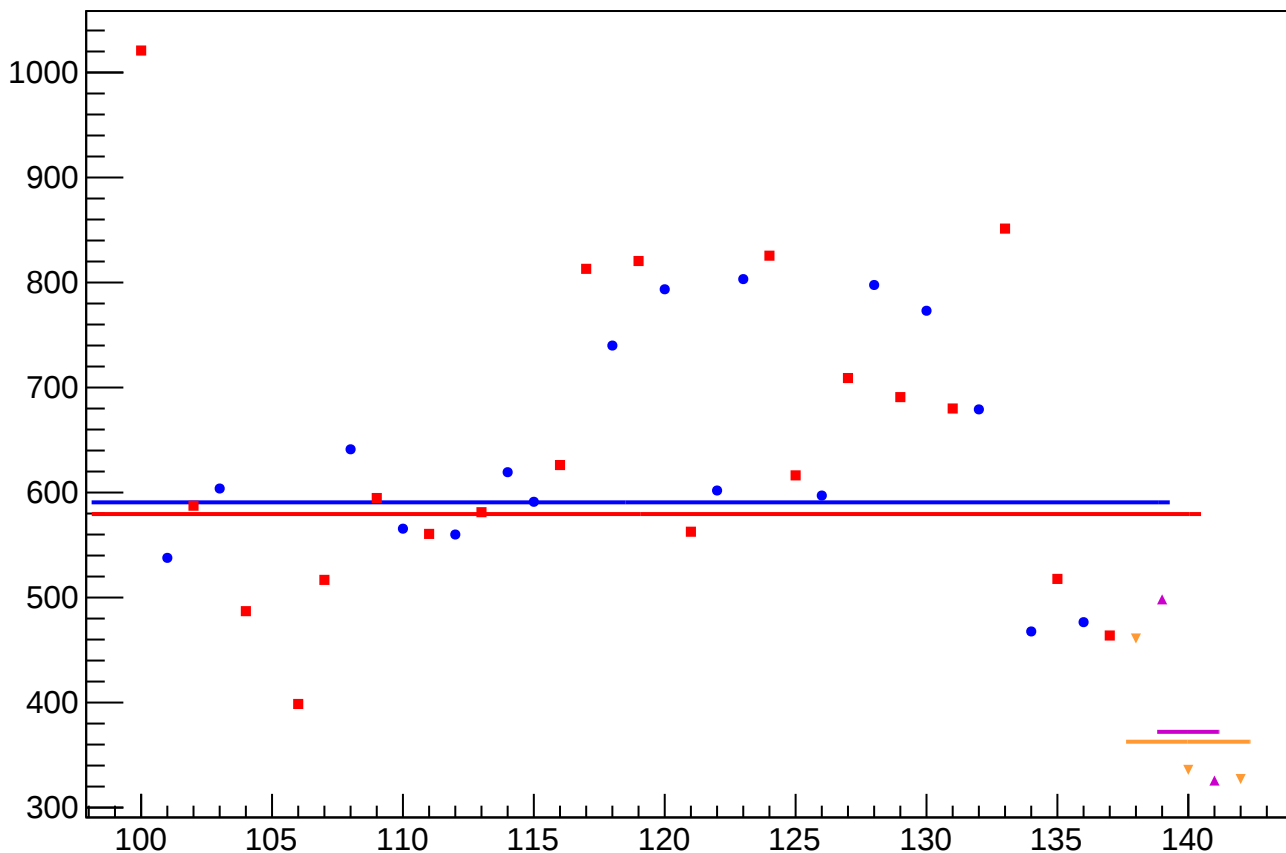
Left In: 298.967 ± 305.185 χ^2/NDF : 1.0/1

-172.652 ± 175.269 χ^2/NDF : 32.4/19

122.866 ± 125.404 χ^2/NDF : 52.8/41

432.832 ± 179.502 χ^2/NDF : 14.5/21

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

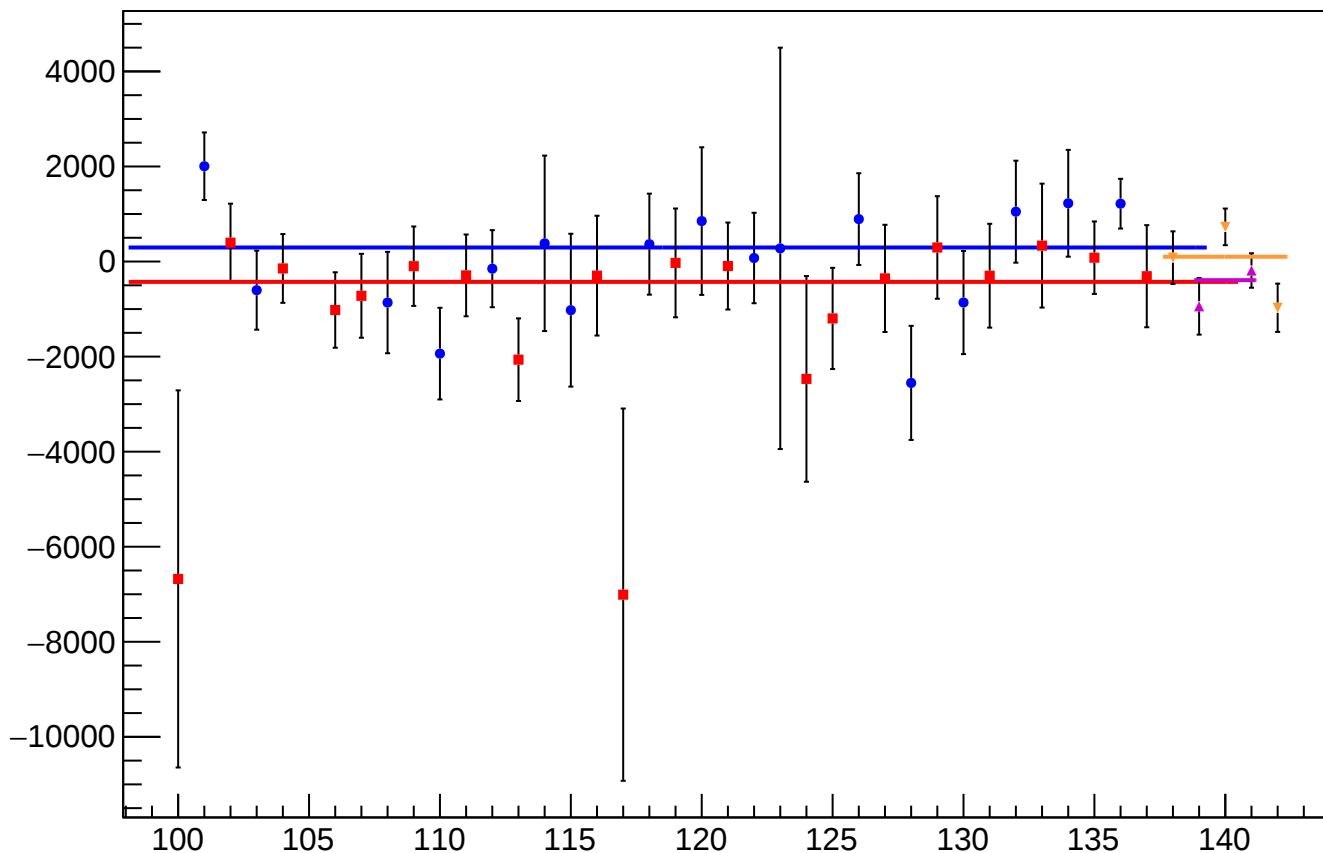
Left In: 372.115+/-0.216 χ^2/NDF : 125625.9/1

490.726+/-0.124 χ^2/NDF : 1269498.5/19

499.040+/-0.089 χ^2/NDF : 2509576.2/41

507.761+/-0.127 χ^2/NDF : 1230856.6/21

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 ± 235.860 $\chi^2/\text{NDF}: 26.1/16$

Left Out: 101.454 ± 268.574 $\chi^2/\text{NDF}: 7.1/2$

Right Out: -427.853 ± 224.485 $\chi^2/\text{NDF}: 13.8/19$

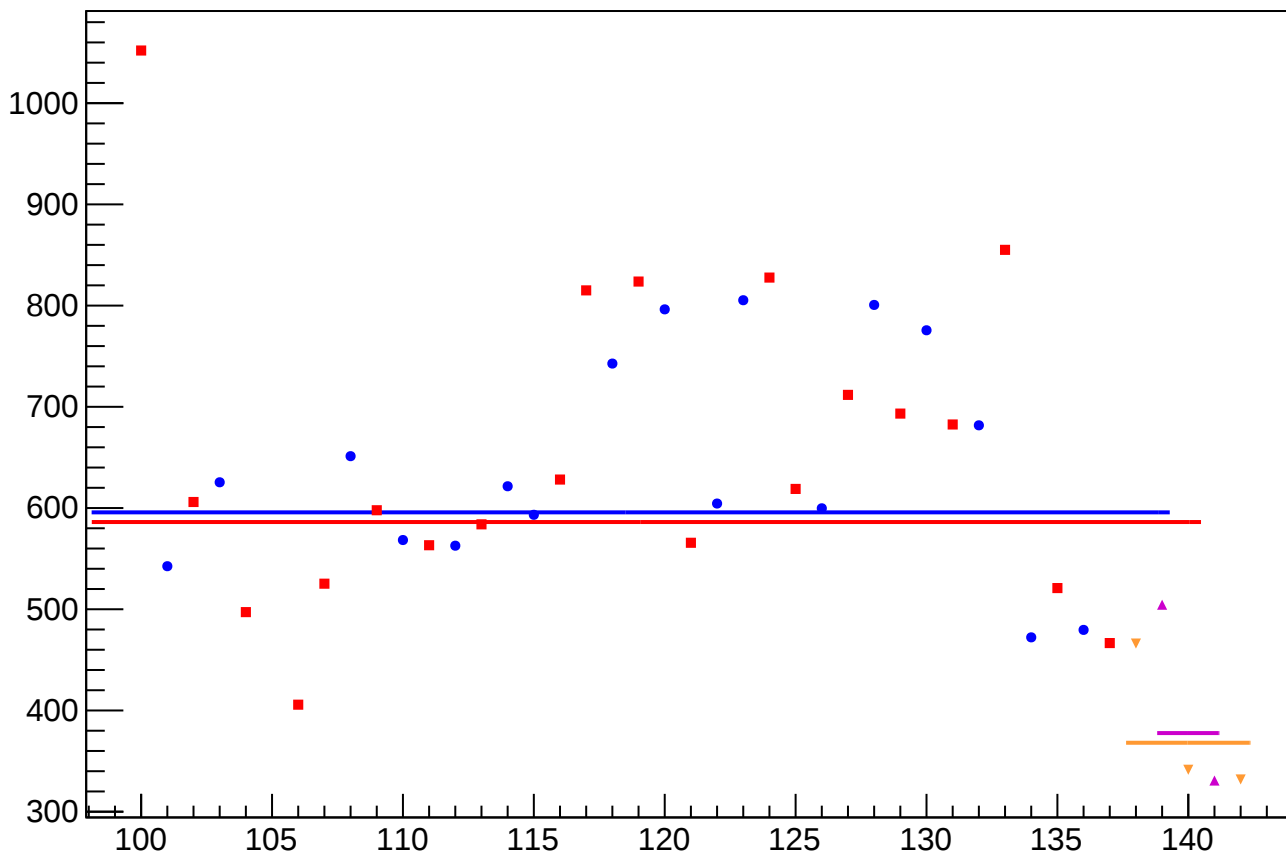
Left In: -391.953 ± 309.631 $\chi^2/\text{NDF}: 1.2/1$

210.953 ± 177.222 $\chi^2/\text{NDF}: 33.5/19$

-94.374 ± 126.884 $\chi^2/\text{NDF}: 54.6/41$

-415.484 ± 181.745 $\chi^2/\text{NDF}: 15.0/21$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 368.115 $\pm$ 0.190 χ^2 /NDF:82454.9/2

Right Out: 586.176 $\pm$ 0.159 χ^2 /NDF: 481325.4/19

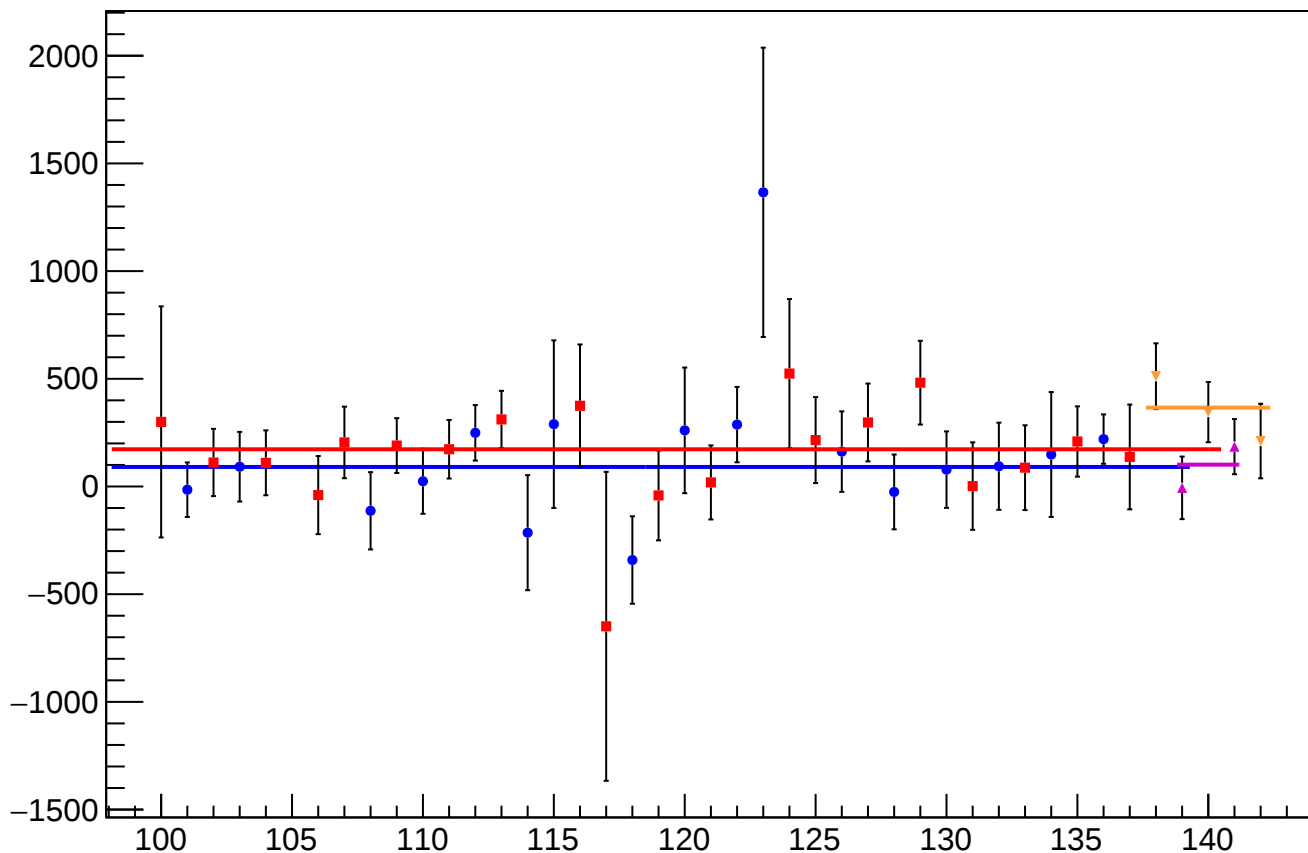
Left In: 377.676 $\pm$ 0.219 χ^2 /NDF:124063.9/1

496.624 $\pm$ 0.125 χ^2 /NDF: 1243557.1/19

505.259 $\pm$ 0.090 χ^2 /NDF: 2453117.6/41

514.340 $\pm$ 0.129 χ^2 /NDF: 1199818.9/21

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 366.214+/-88.605 χ^2/NDF : 1.7/2

Right Out: 172.786+/-41.033 χ^2/NDF : 11.6/19

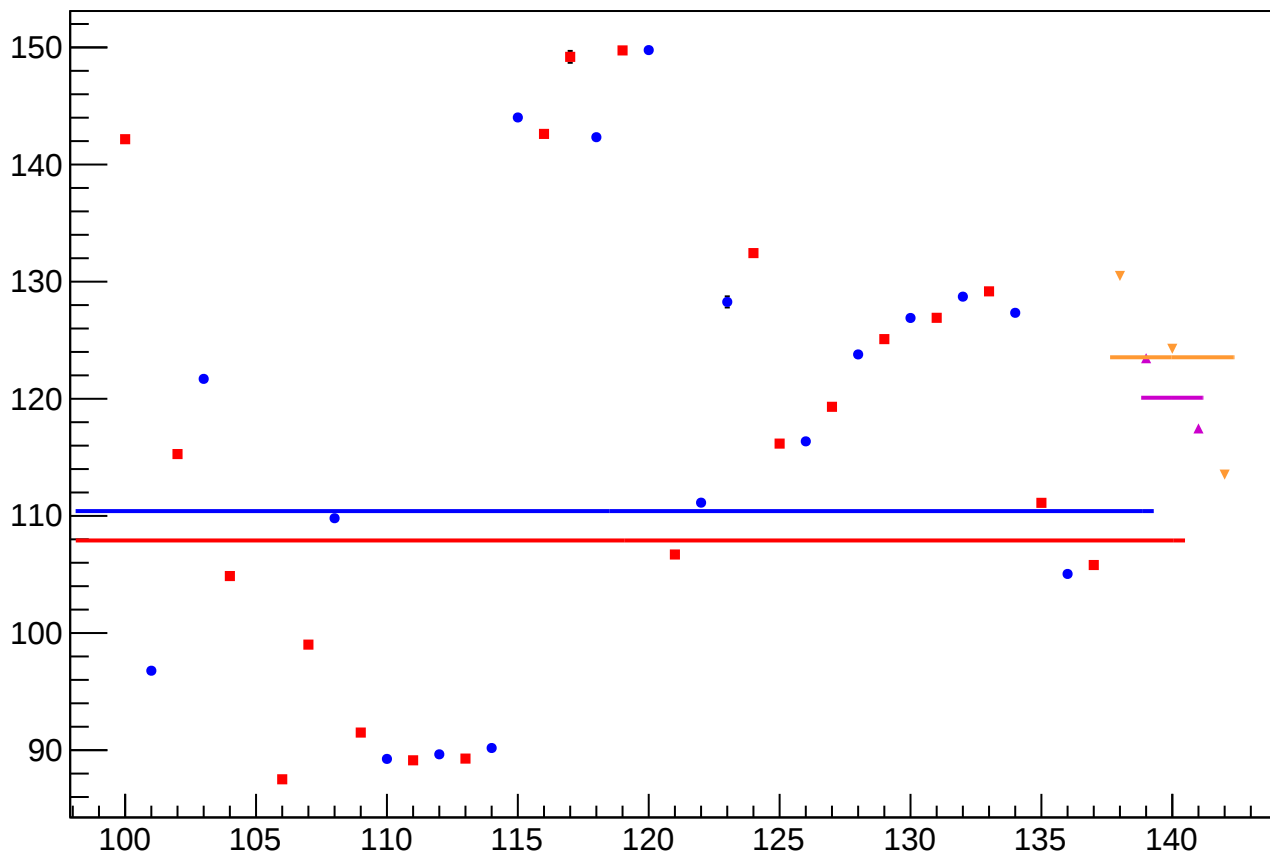
Left In: 101.415+/-96.023 χ^2/NDF : 1.0/1

143.846+/-38.912 χ^2/NDF : 26.4/19

153.081+/-27.088 χ^2/NDF : 39.6/41

161.765+/-37.733 χ^2/NDF : 13.1/21

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

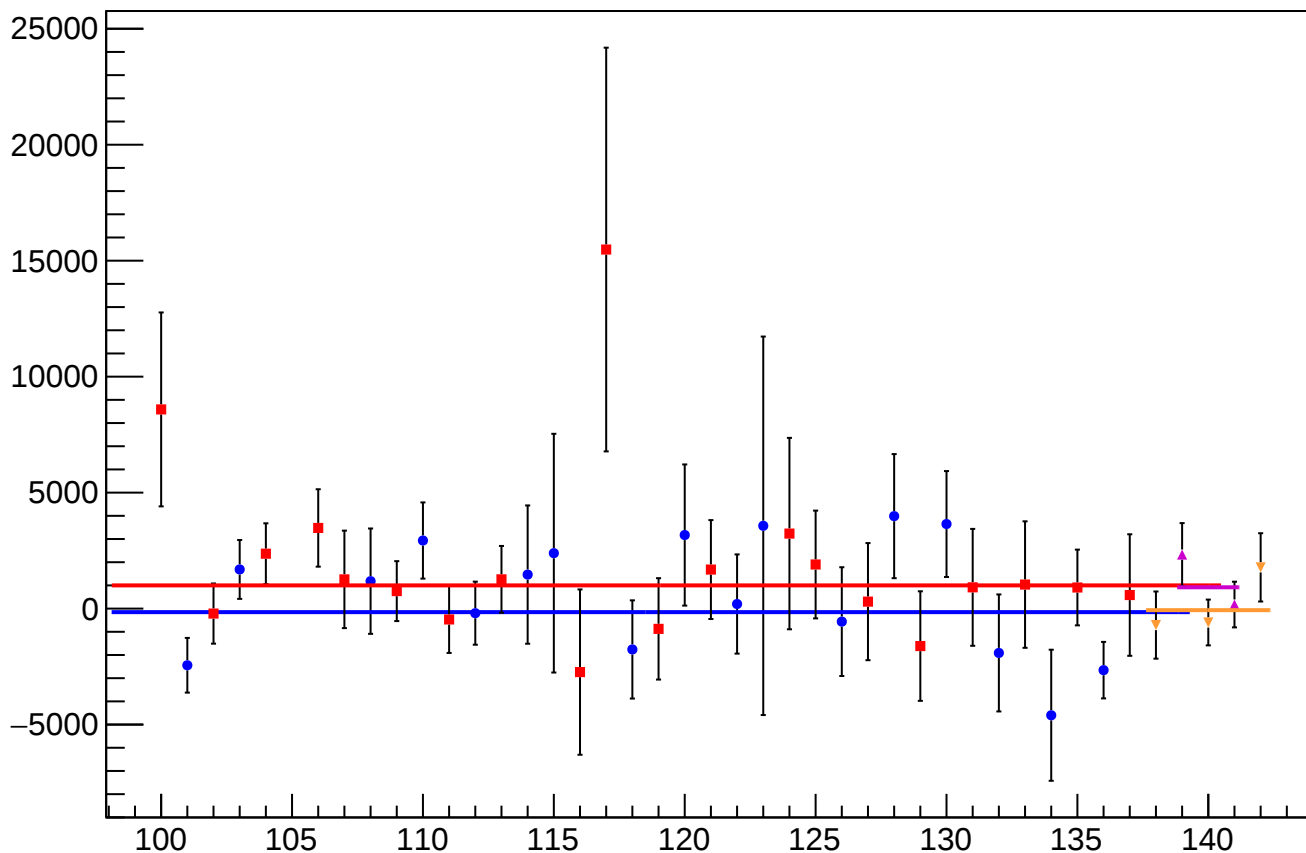
Left In: 120.090+/-0.068 χ^2/NDF :1917.8/1

112.944+/-0.028 χ^2/NDF : 342779.5/19

111.316+/-0.019 χ^2/NDF : 729821.7/41

109.785+/-0.027 χ^2/NDF : 380248.2/21

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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

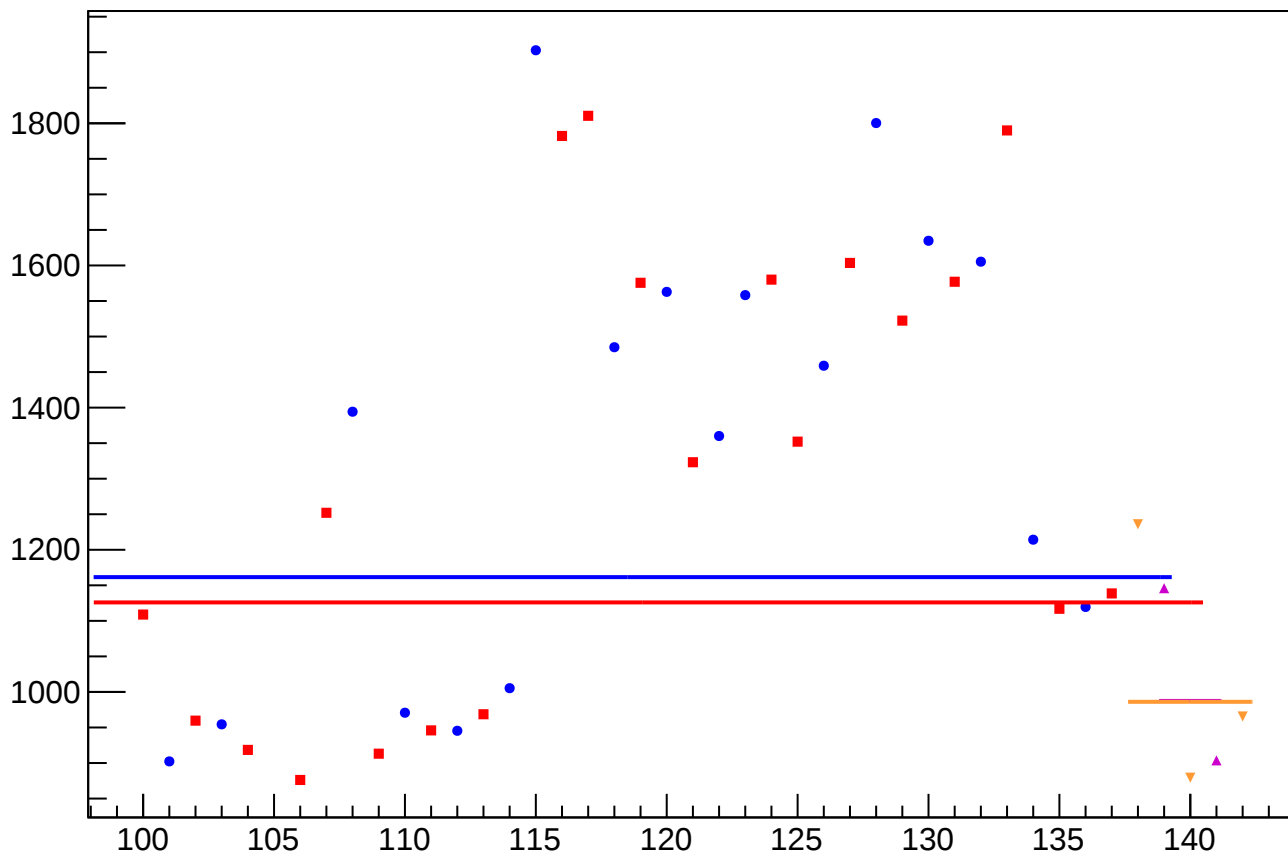
Left In: 918.513+/-796.882 χ^2/NDF : 1.7/1

-127.112+/-389.424 χ^2/NDF : 26.7/19

438.817+/-272.529 χ^2/NDF : 47.6/41

982.020+/-381.525 χ^2/NDF : 16.7/21

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



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

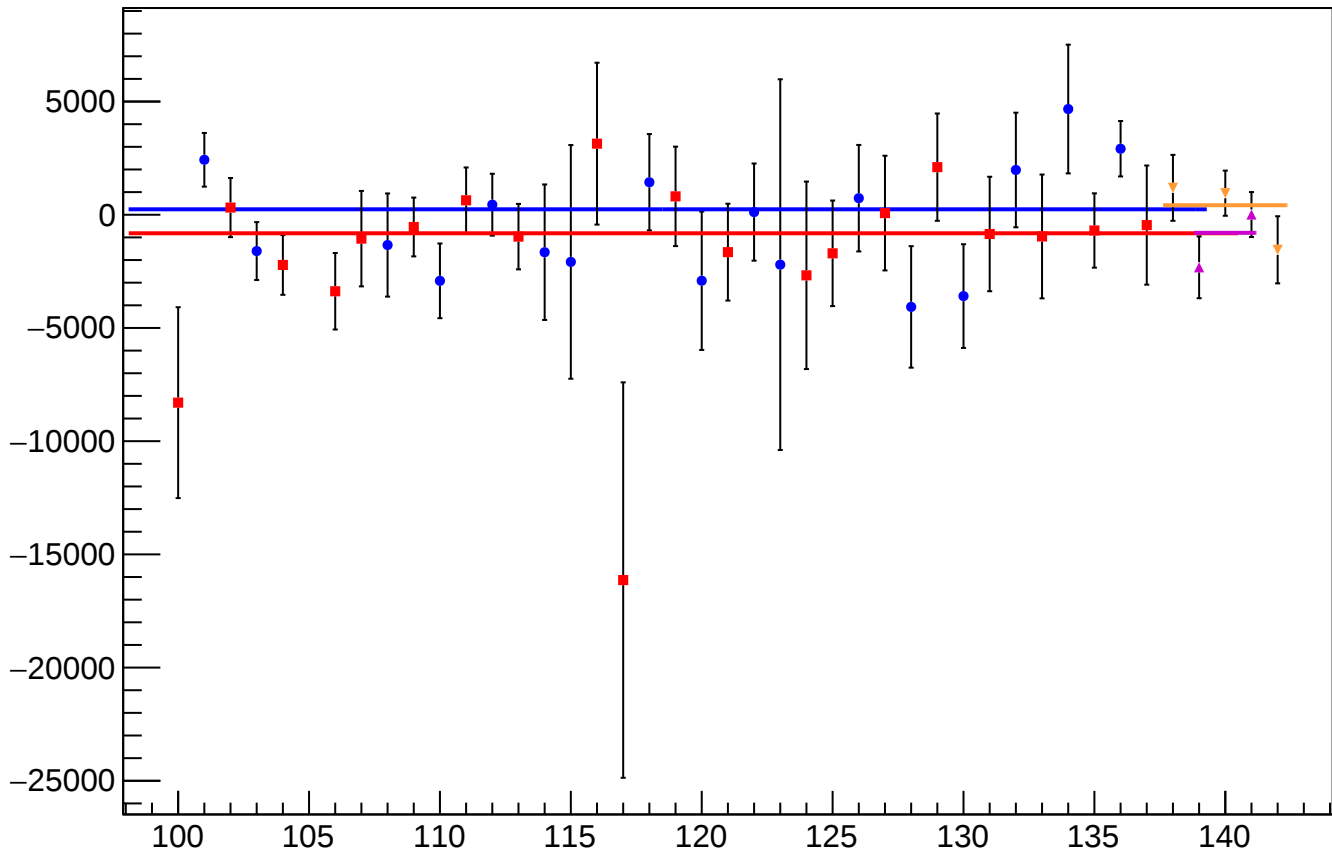
Left In: 987.338 +/- 0.563 χ^2/NDF : 41747.6/1

1109.280 +/- 0.275 χ^2/NDF : 864021.0/19

1101.572 +/- 0.193 χ^2/NDF : 1734138.6/41

1094.174 +/- 0.270 χ^2/NDF : 868581.9/21

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

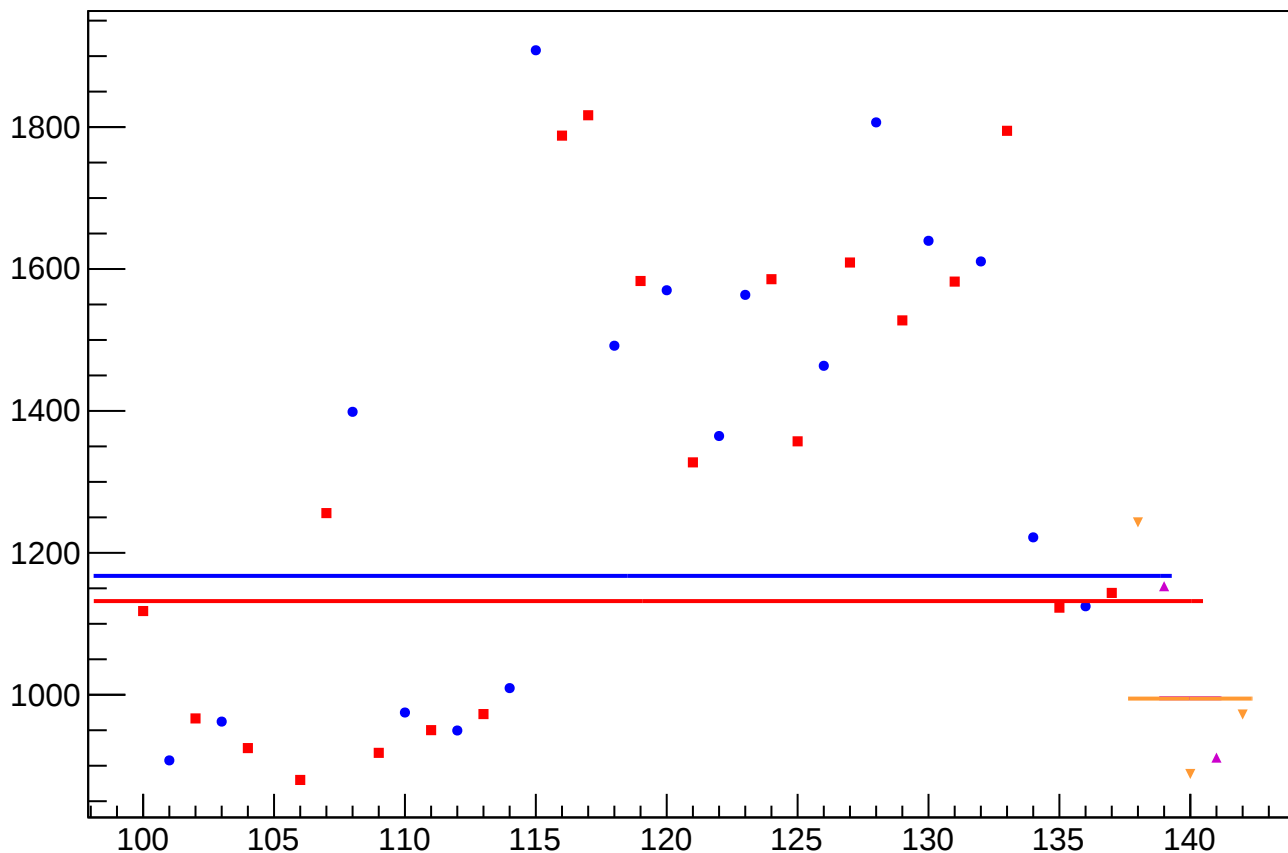
Left In: -798.093 $\pm$ 802.958 χ^2 /NDF: 1.9/1

294.245 $\pm$ 391.732 χ^2 /NDF: 27.2/19

-270.794 $\pm$ 274.147 χ^2 /NDF: 48.6/41

-813.170 $\pm$ 383.795 χ^2 /NDF: 17.3/21

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

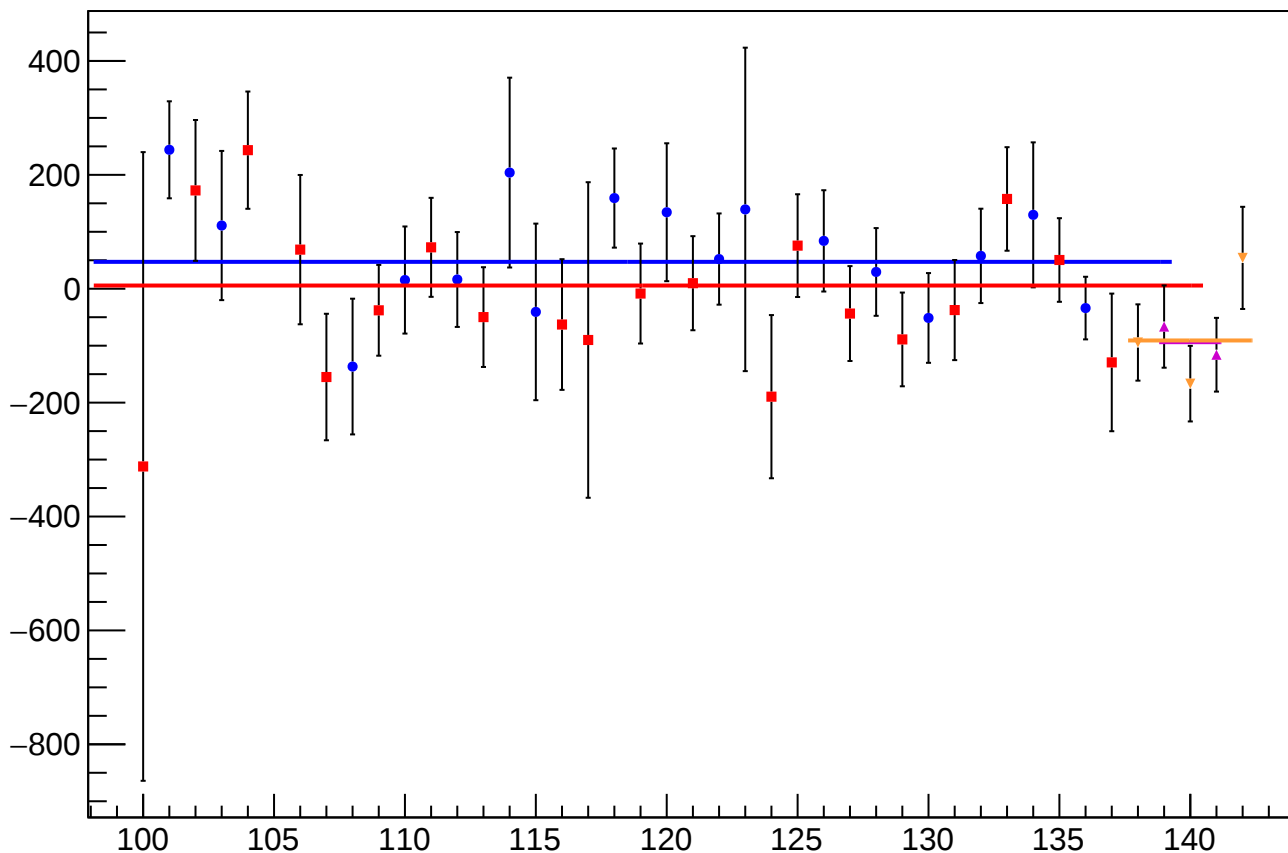
Left In: 995.074+/-0.568 χ^2/NDF : 40959.6/1

1116.269+/-0.277 χ^2/NDF : 853059.7/19

1108.342+/-0.194 χ^2/NDF : 1714336.8/41

1100.732+/-0.271 χ^2/NDF : 859671.9/21

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220+/-22.565 χ^2/NDF : 16.1/16

Left Out: -90.833+/-41.733 χ^2/NDF : 3.9/2

Right Out: 5.636+/-22.057 χ^2/NDF : 20.4/19

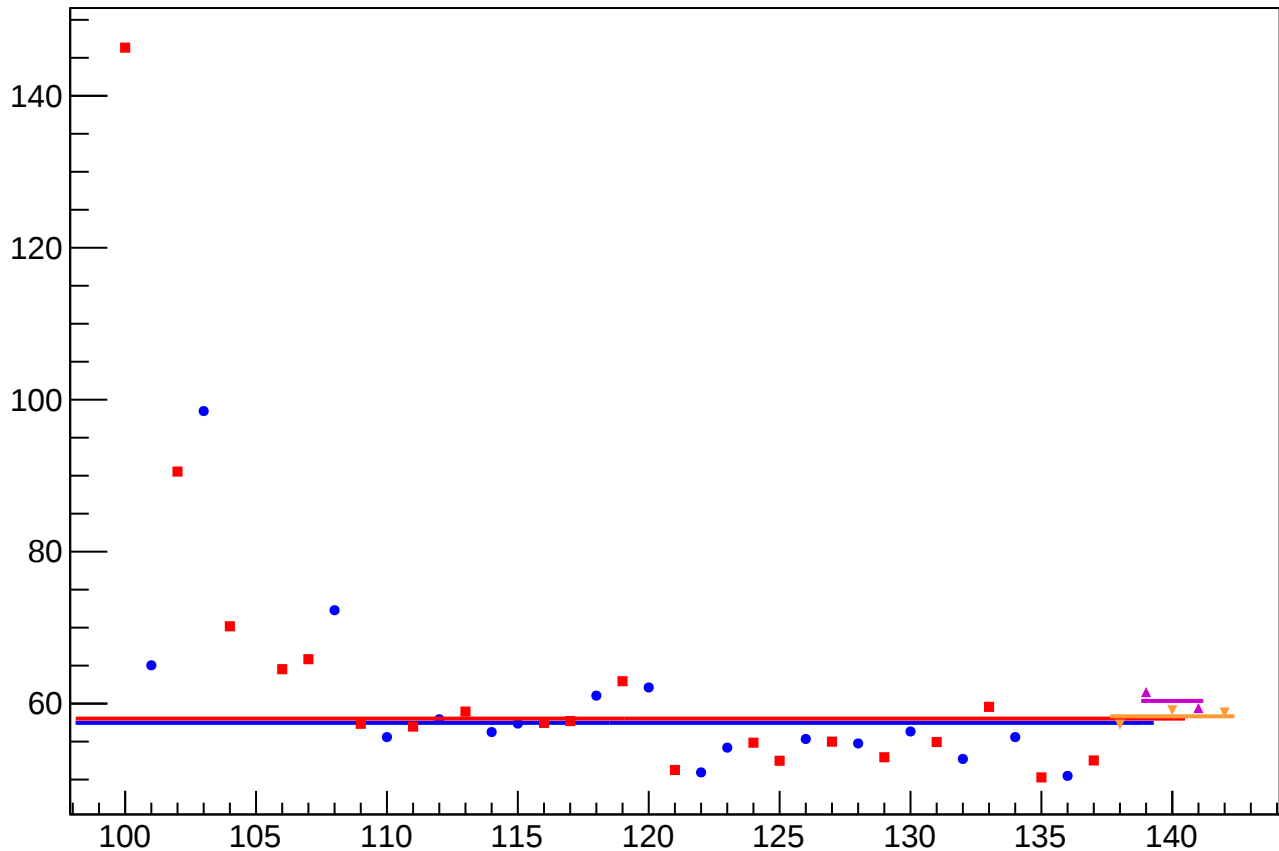
Left In: -93.848+/-48.215 χ^2/NDF : 0.3/1

15.991+/-19.849 χ^2/NDF : 28.5/19

2.349+/-14.109 χ^2/NDF : 53.6/41

-11.581+/-20.058 χ^2/NDF : 24.2/21

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 58.325 $\pm$ 0.030 χ^2 /NDF:880.2/2

Right Out: 58.025 $\pm$ 0.016 χ^2 /NDF: 300790.9/19

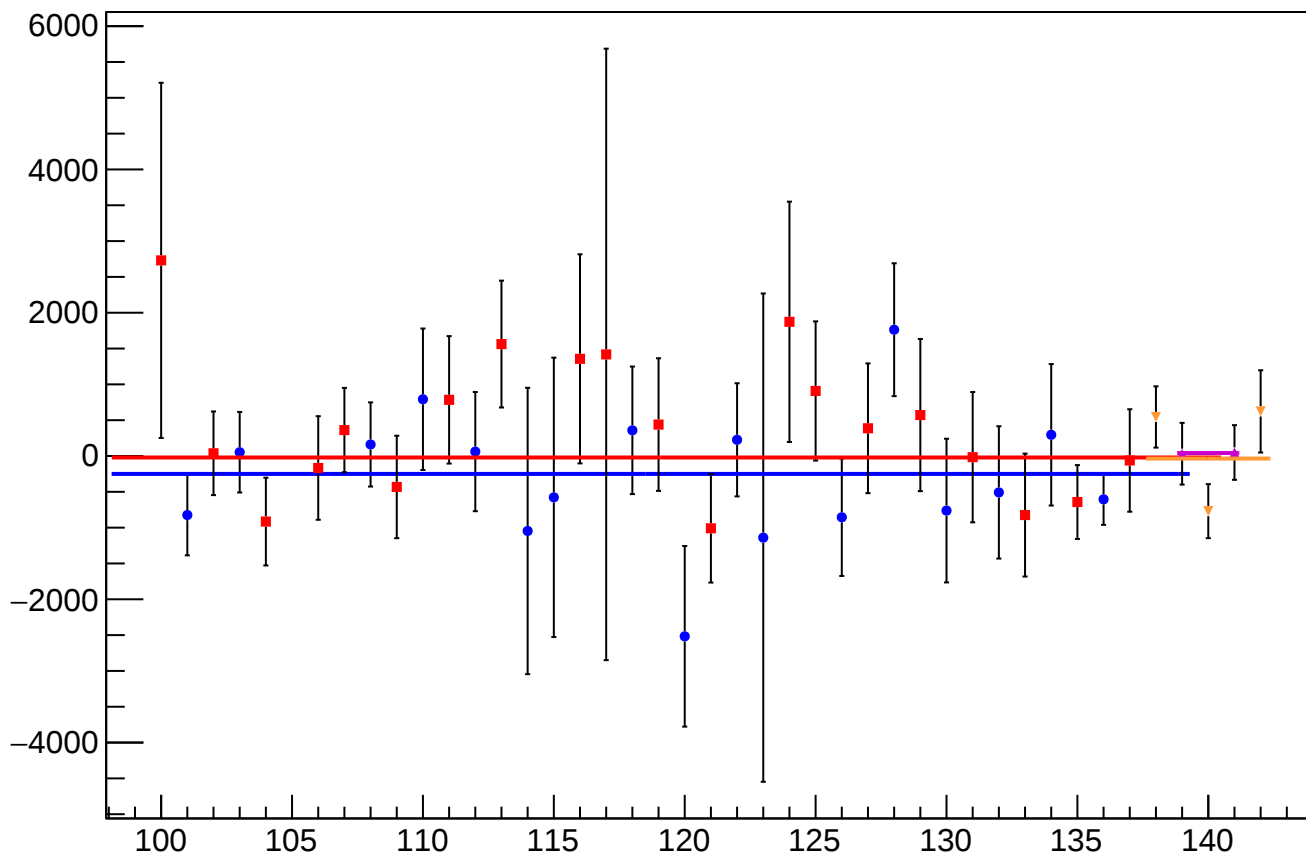
Left In: 60.352 $\pm$ 0.034 χ^2 /NDF:938.7/1

57.660 $\pm$ 0.014 χ^2 /NDF: 308693.4/19

58.040 $\pm$ 0.010 χ^2 /NDF: 615758.0/41

58.428 $\pm$ 0.014 χ^2 /NDF: 305583.4/21

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



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

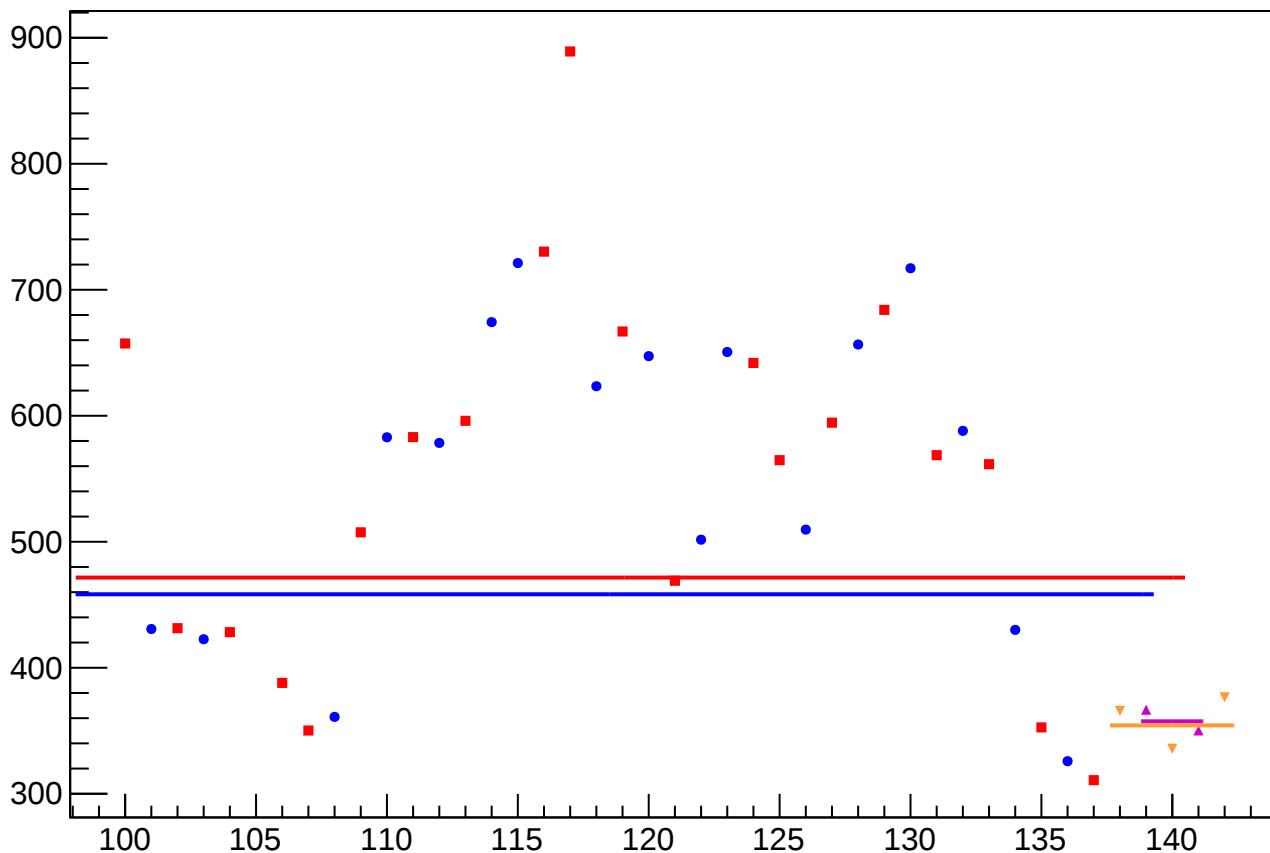
Left In: 41.474+/-285.599 χ^2/NDF : 0.0/1

-176.165+/-148.986 χ^2/NDF : 21.7/19

-91.944+/-106.837 χ^2/NDF : 38.6/41

-2.791+/-153.286 χ^2/NDF : 16.2/21

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 354.261+/-0.179 χ^2/NDF : 9296.9/2

Right Out: 471.585+/-0.128 χ^2/NDF : 797816.0/19

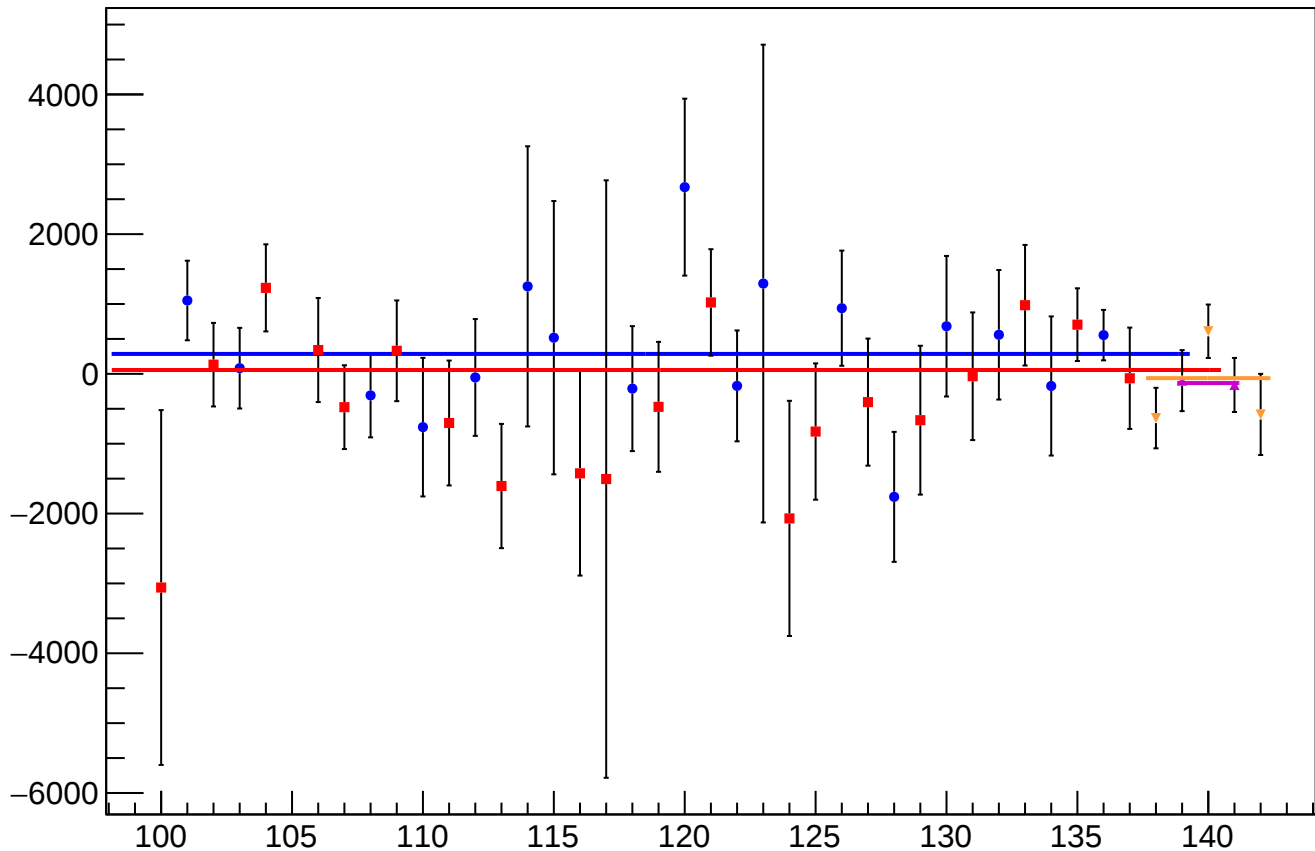
Left In: 357.493+/-0.202 χ^2/NDF : 1635.1/1

422.420+/-0.105 χ^2/NDF : 1106998.0/19

430.338+/-0.076 χ^2/NDF : 2145309.9/41

438.719+/-0.108 χ^2/NDF : 1026683.0/21

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: -61.517 $\pm$ 257.144 χ^2 /NDF: 5.6/2

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

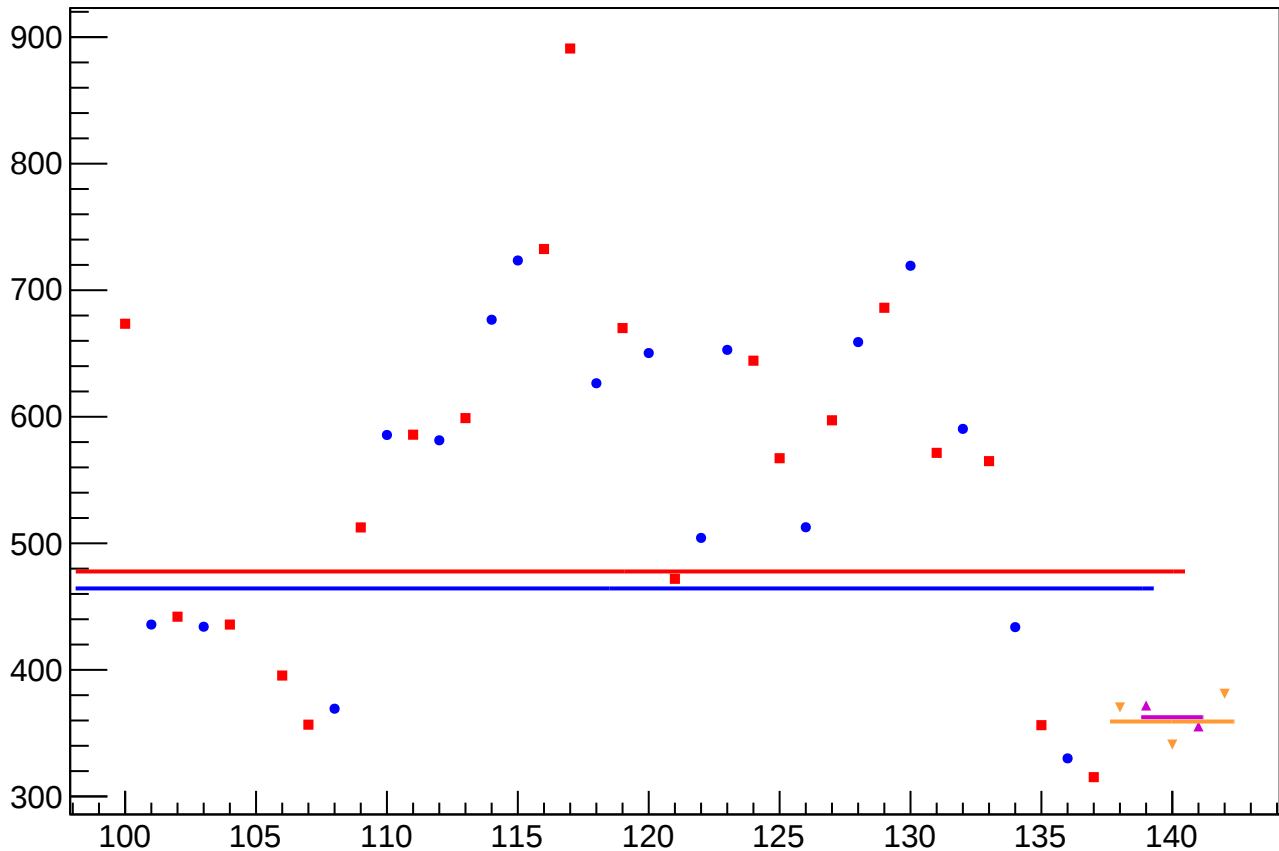
Left In: -131.659 $\pm$ 289.671 χ^2 /NDF: 0.0/1

165.984 $\pm$ 150.846 χ^2 /NDF: 22.0/19

86.090 $\pm$ 108.190 χ^2 /NDF: 42.2/41

1.456 $\pm$ 155.257 χ^2 /NDF: 19.6/21

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 $\pm$ 0.132 χ^2/NDF : 845900.9/16

Left Out: 359.191 $\pm$ 0.182 χ^2/NDF : 8695.9/2

Right Out: 477.754 $\pm$ 0.130 χ^2/NDF : 768041.0/19

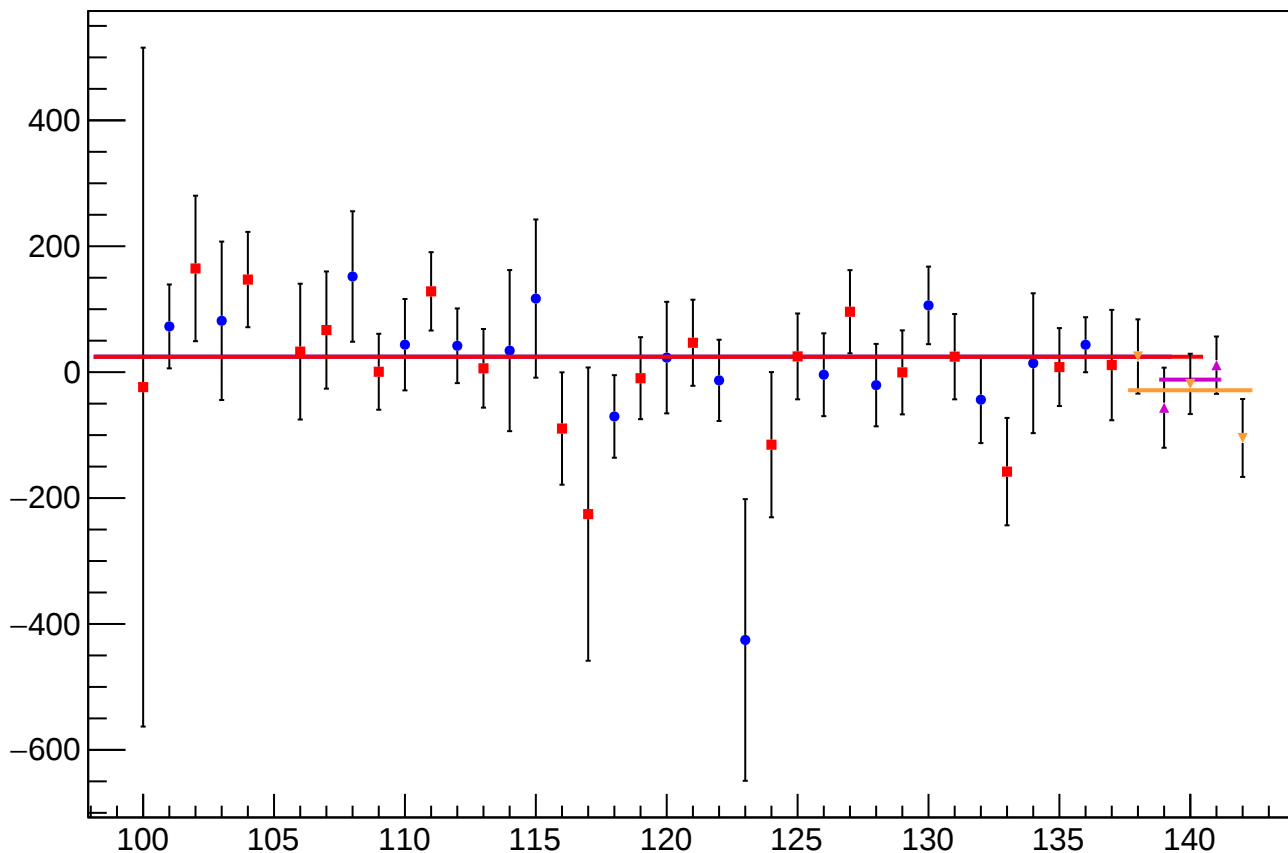
Left In: 362.601 $\pm$ 0.205 χ^2/NDF : 1605.7/1

428.156 $\pm$ 0.107 χ^2/NDF : 1073935.2/19

436.177 $\pm$ 0.077 χ^2/NDF : 2080495.6/41

444.674 $\pm$ 0.110 χ^2/NDF : 994915.2/21

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

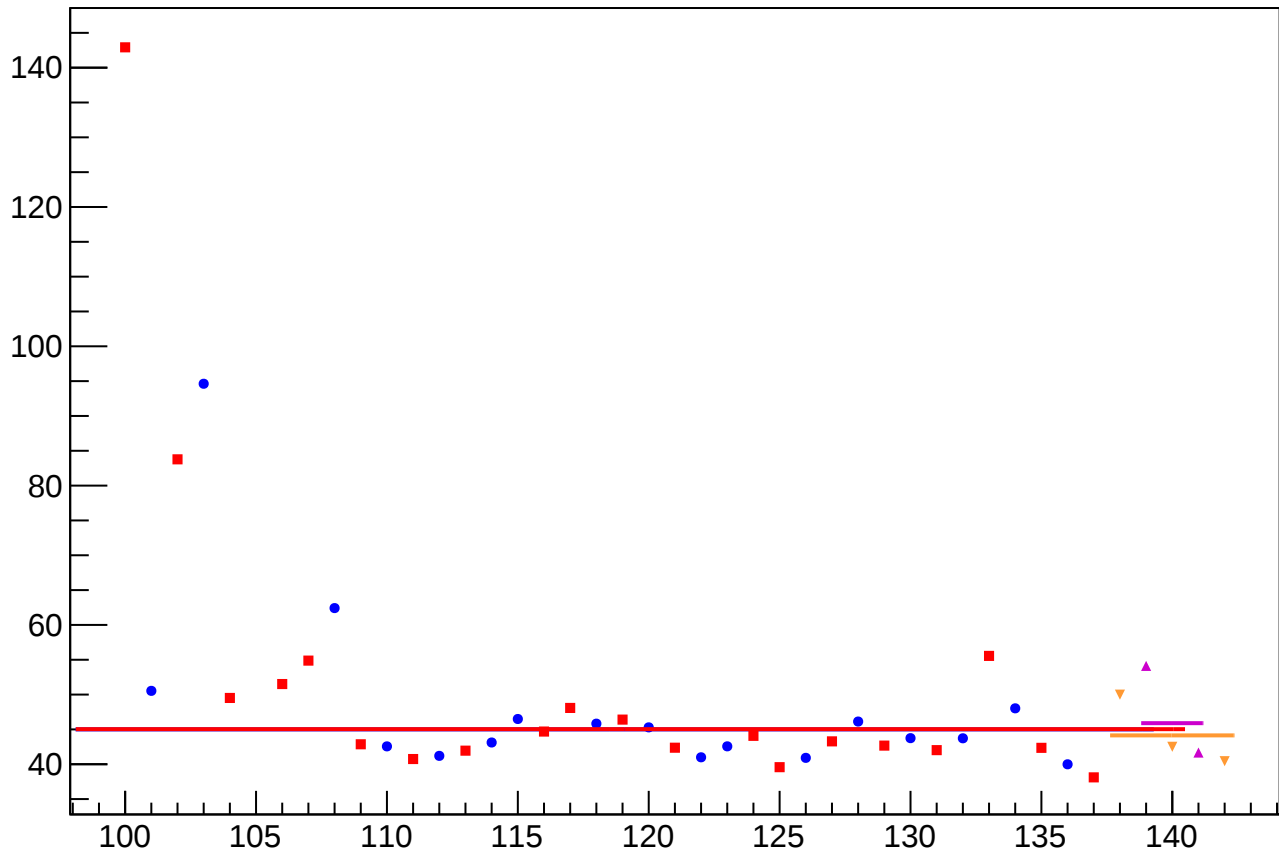
Left In: -11.848+/-37.046 χ^2/NDF : 0.7/1

11.871+/-15.568 χ^2/NDF : 17.5/19

14.890+/-11.056 χ^2/NDF : 37.1/41

17.962+/-15.703 χ^2/NDF : 19.5/21

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

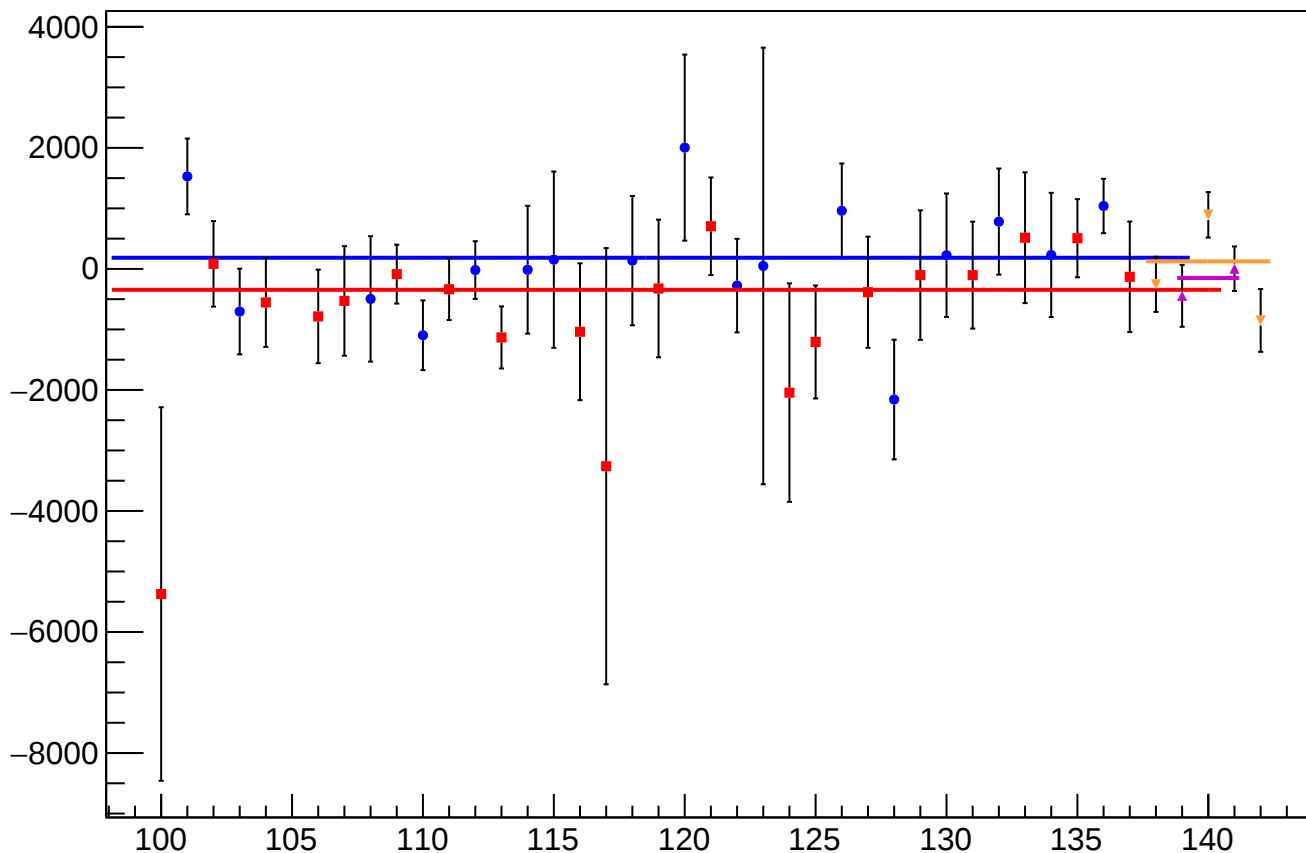
Left In: 45.896 $\pm$ 0.026 χ^2 /NDF: 50555.7/1

44.796 $\pm$ 0.011 χ^2 /NDF: 468607.0/19

44.991 $\pm$ 0.008 χ^2 /NDF: 936535.4/41

45.189 $\pm$ 0.011 χ^2 /NDF: 467297.1/21

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 124.157 $\pm$ 253.156 χ^2 /NDF: 8.4/2

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

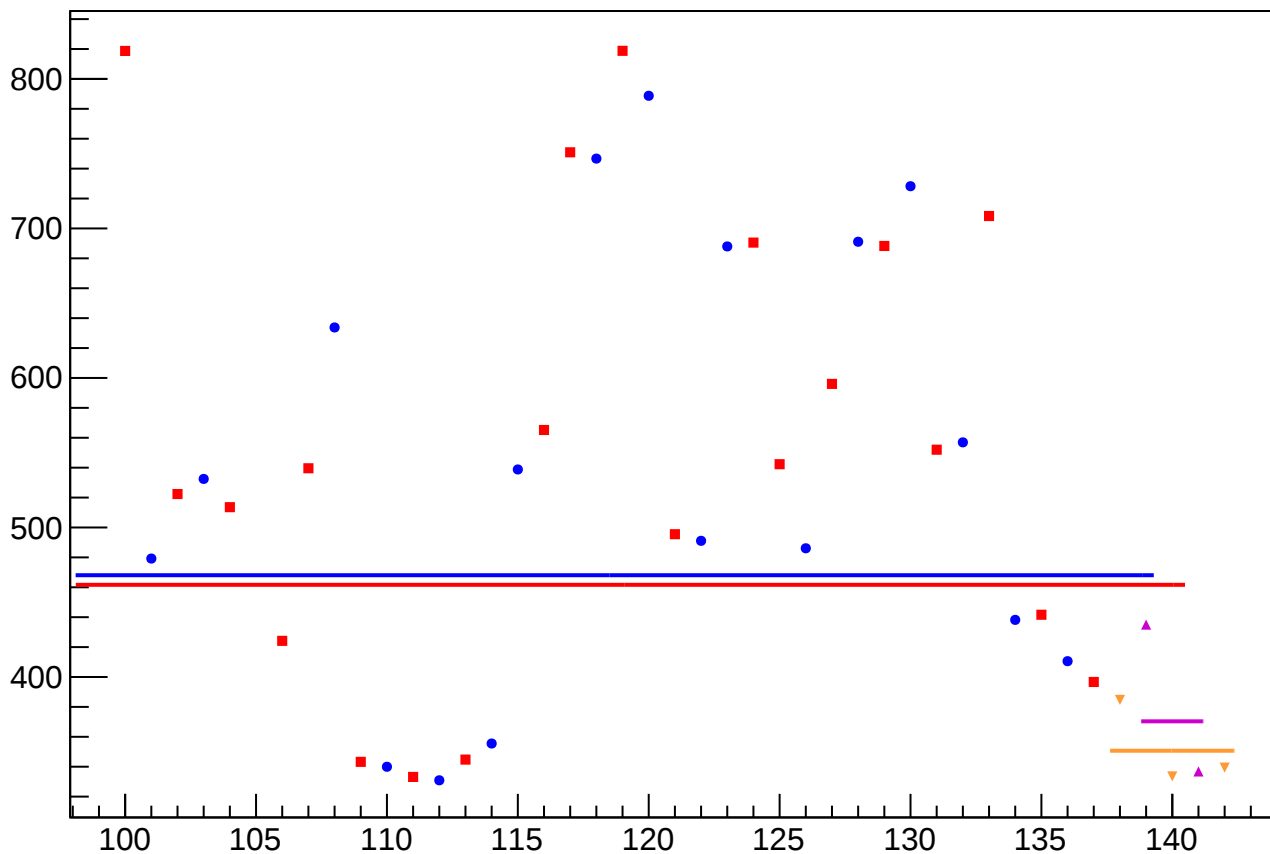
Left In: -149.983 $\pm$ 298.870 χ^2 /NDF: 0.5/1

162.766 $\pm$ 151.221 χ^2 /NDF: 32.7/19

-61.882 $\pm$ 107.783 χ^2 /NDF: 51.1/41

-293.850 $\pm$ 153.665 χ^2 /NDF: 14.0/21

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 350.698+/-0.179 χ^2/NDF : 16255.3/2

Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

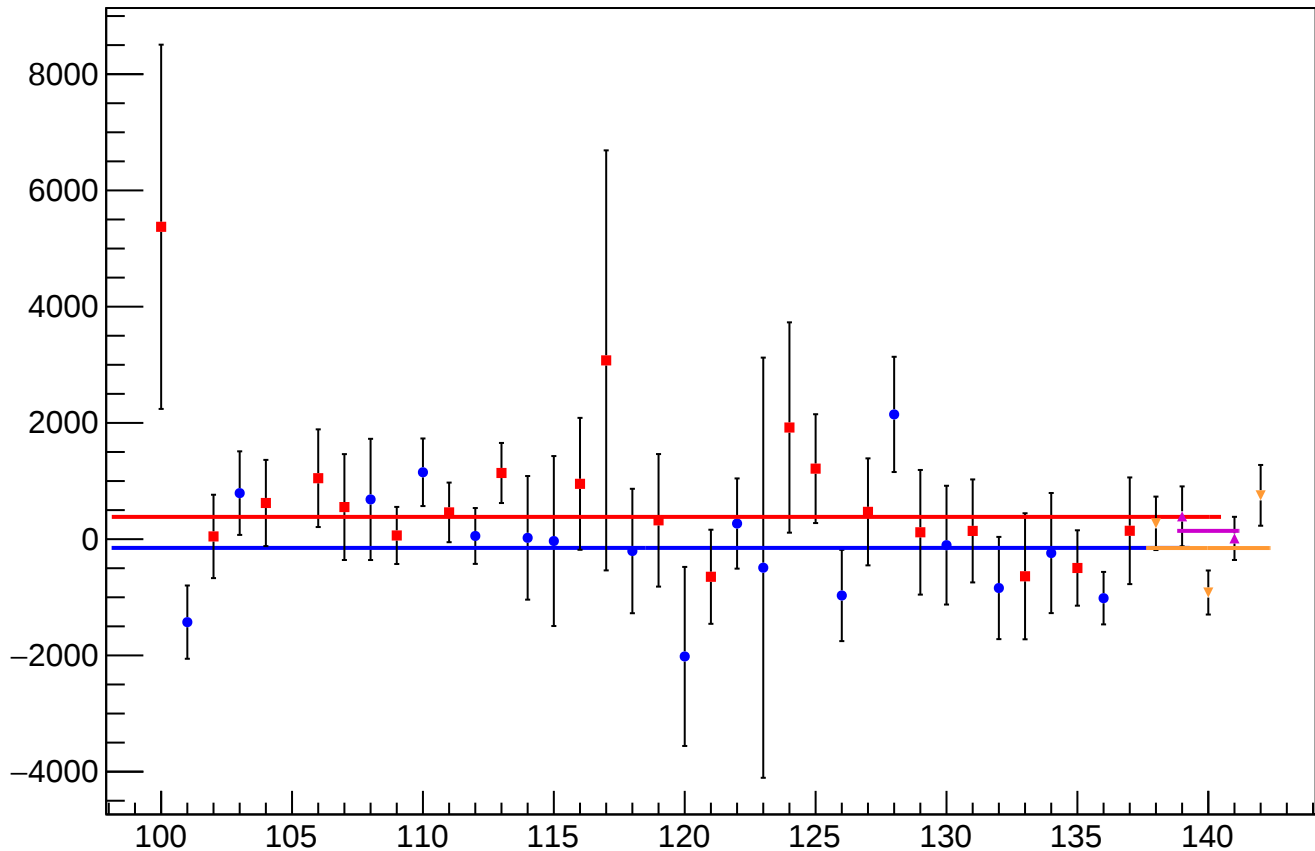
Left In: 370.354+/-0.211 χ^2/NDF : 48569.7/1

426.190+/-0.107 χ^2/NDF : 1173095.5/19

431.764+/-0.076 χ^2/NDF : 2332433.2/41

437.520+/-0.109 χ^2/NDF : 1153814.6/21

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

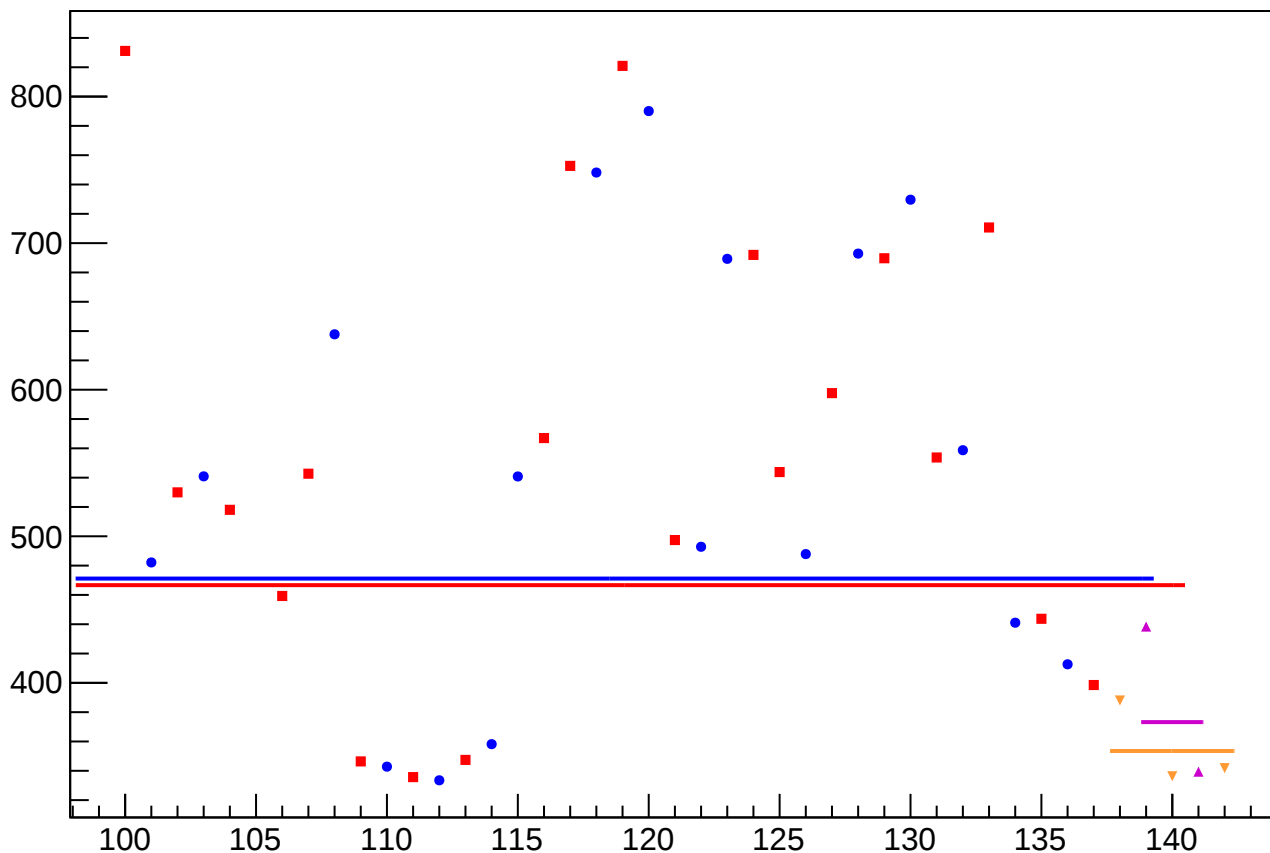
Left In: 142.785+/-301.174 χ^2/NDF : 0.4/1

-151.094+/-152.258 χ^2/NDF : 32.2/19

79.758+/-108.673 χ^2/NDF : 50.6/41

319.488+/-155.158 χ^2/NDF : 13.8/21

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

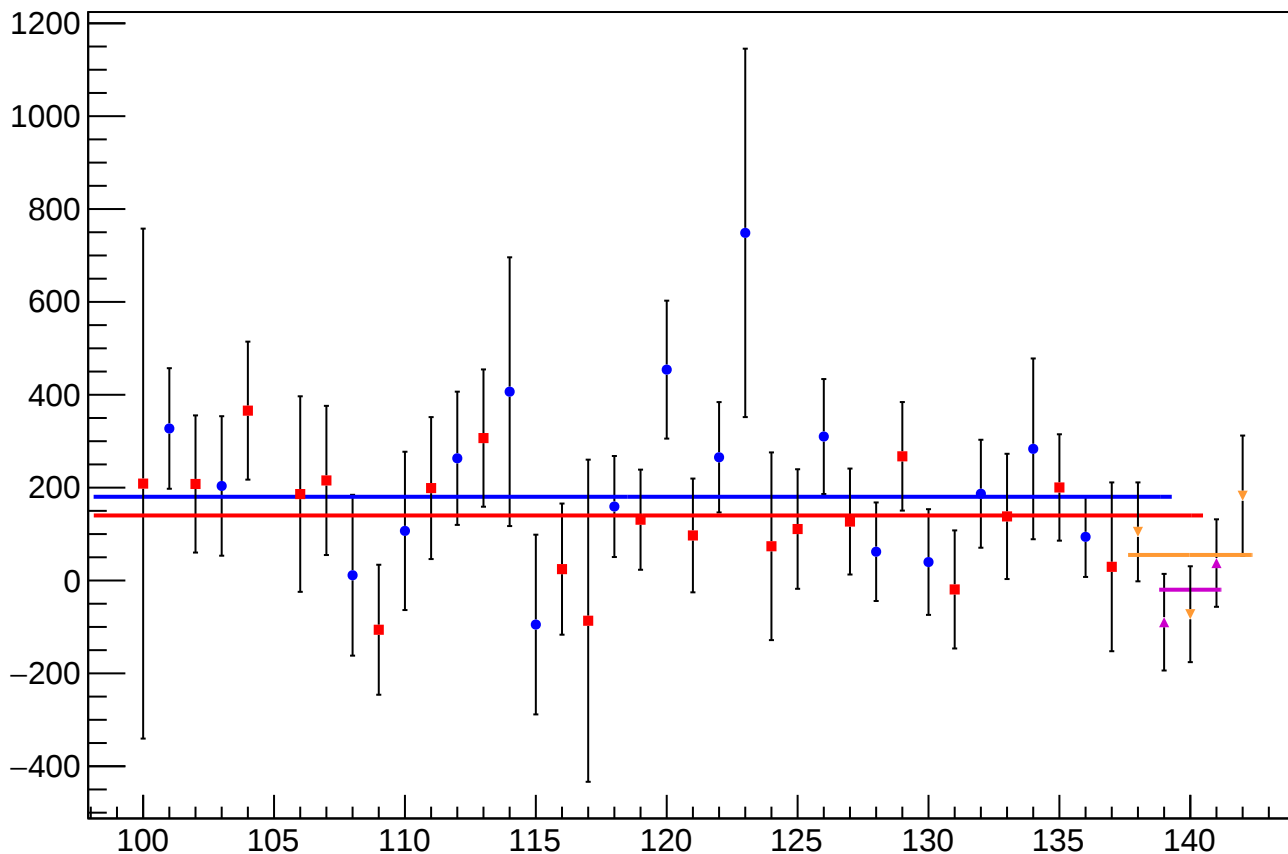
Left In: 373.213+/-0.213 χ^2/NDF : 48591.6/1

429.278+/-0.108 χ^2/NDF : 1161931.0/19

435.448+/-0.077 χ^2/NDF : 2311732.8/41

441.855+/-0.110 χ^2/NDF : 1143107.4/21

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

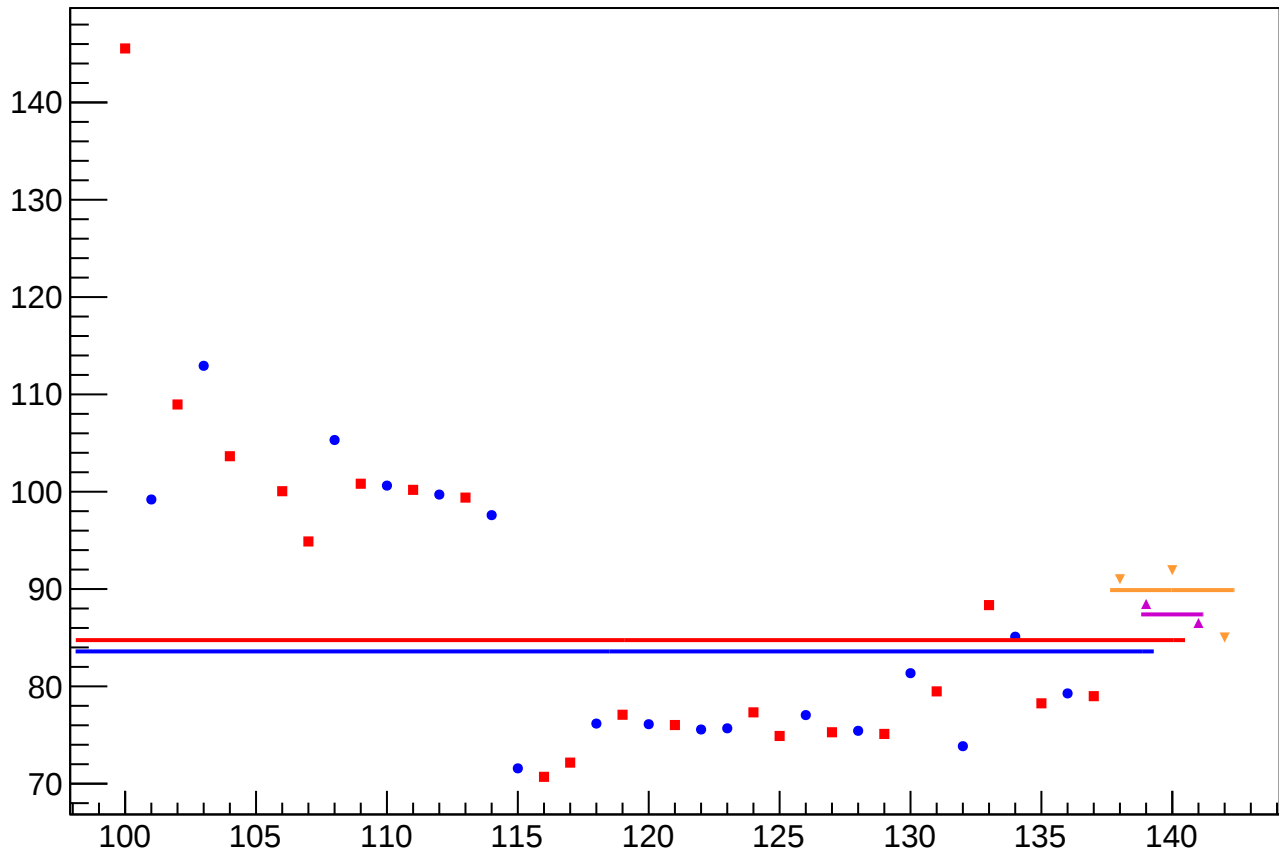
Left In: -19.810 $\pm$ 69.837 χ^2 /NDF:0.8/1

154.529 $\pm$ 29.201 χ^2 /NDF: 22.3/19

133.314 $\pm$ 20.662 χ^2 /NDF: 40.6/41

112.043 $\pm$ 29.240 χ^2 /NDF: 17.3/21

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

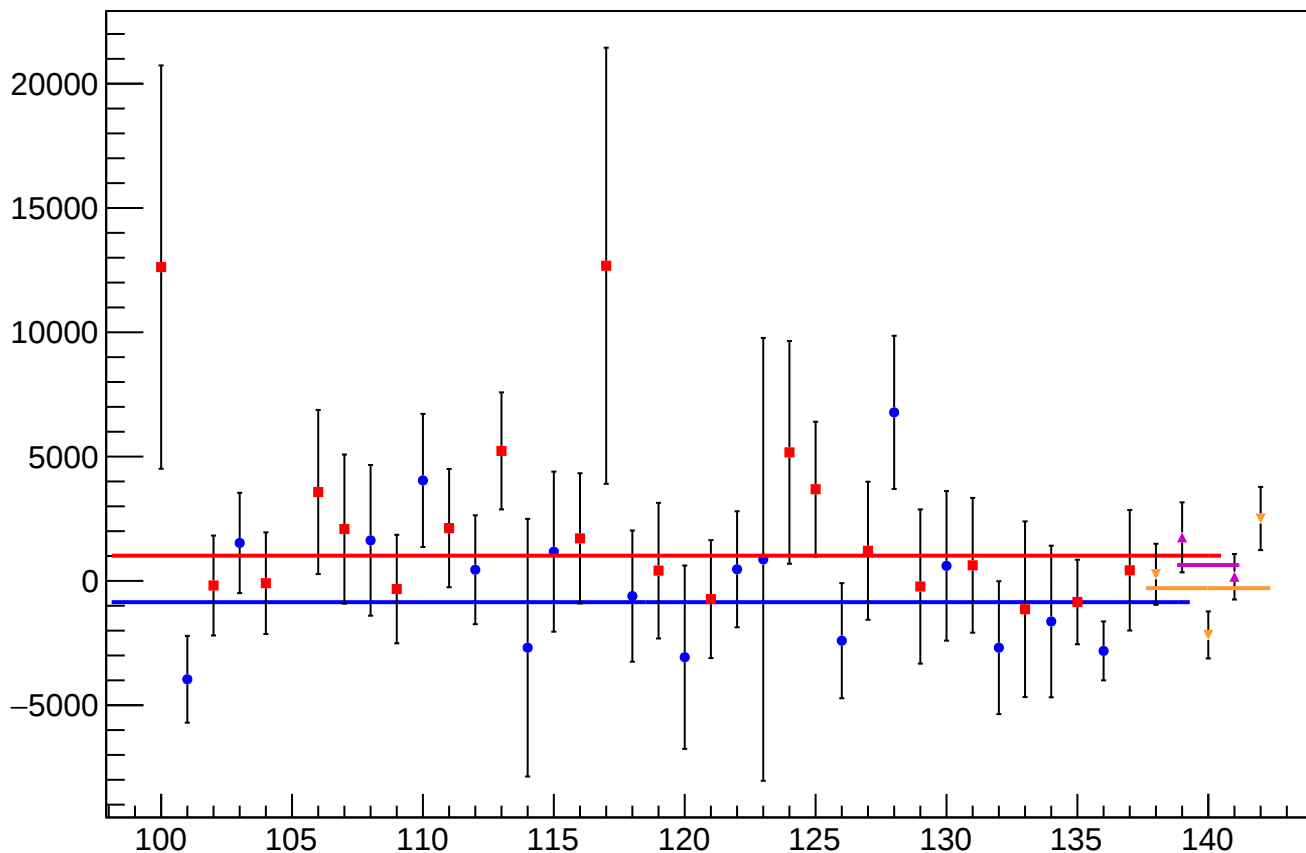
Left In: 87.394 $\pm$ 0.049 χ^2/NDF : 386.8/1

84.888 $\pm$ 0.021 χ^2/NDF : 274973.3/19

85.051 $\pm$ 0.015 χ^2/NDF : 571108.3/41

85.215 $\pm$ 0.021 χ^2/NDF : 296010.0/21

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



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

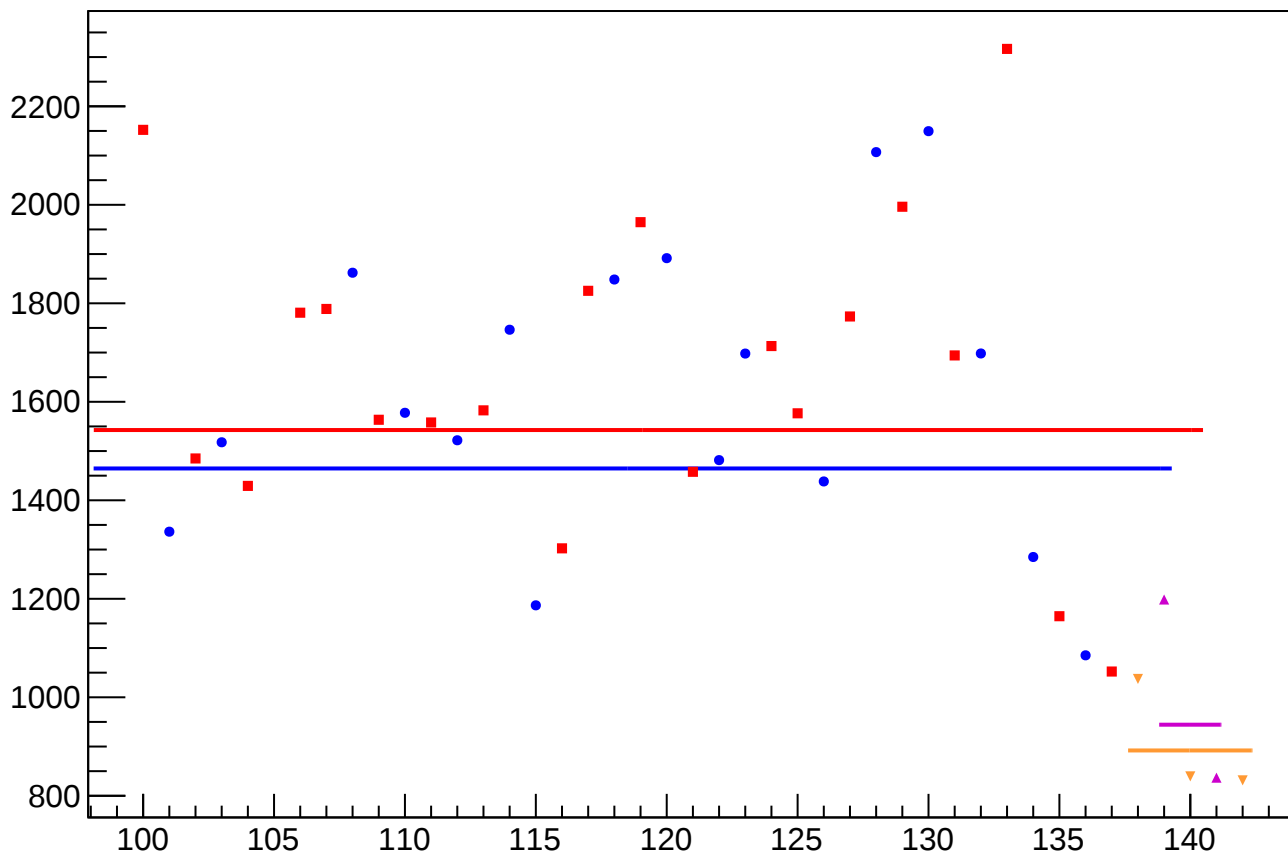
Left In: 637.411+/-767.398 χ^2/NDF : 0.9/1

-601.728+/-432.841 χ^2/NDF : 29.7/19

81.602+/-317.333 χ^2/NDF : 49.4/41

875.727+/-466.614 χ^2/NDF : 14.3/21

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



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

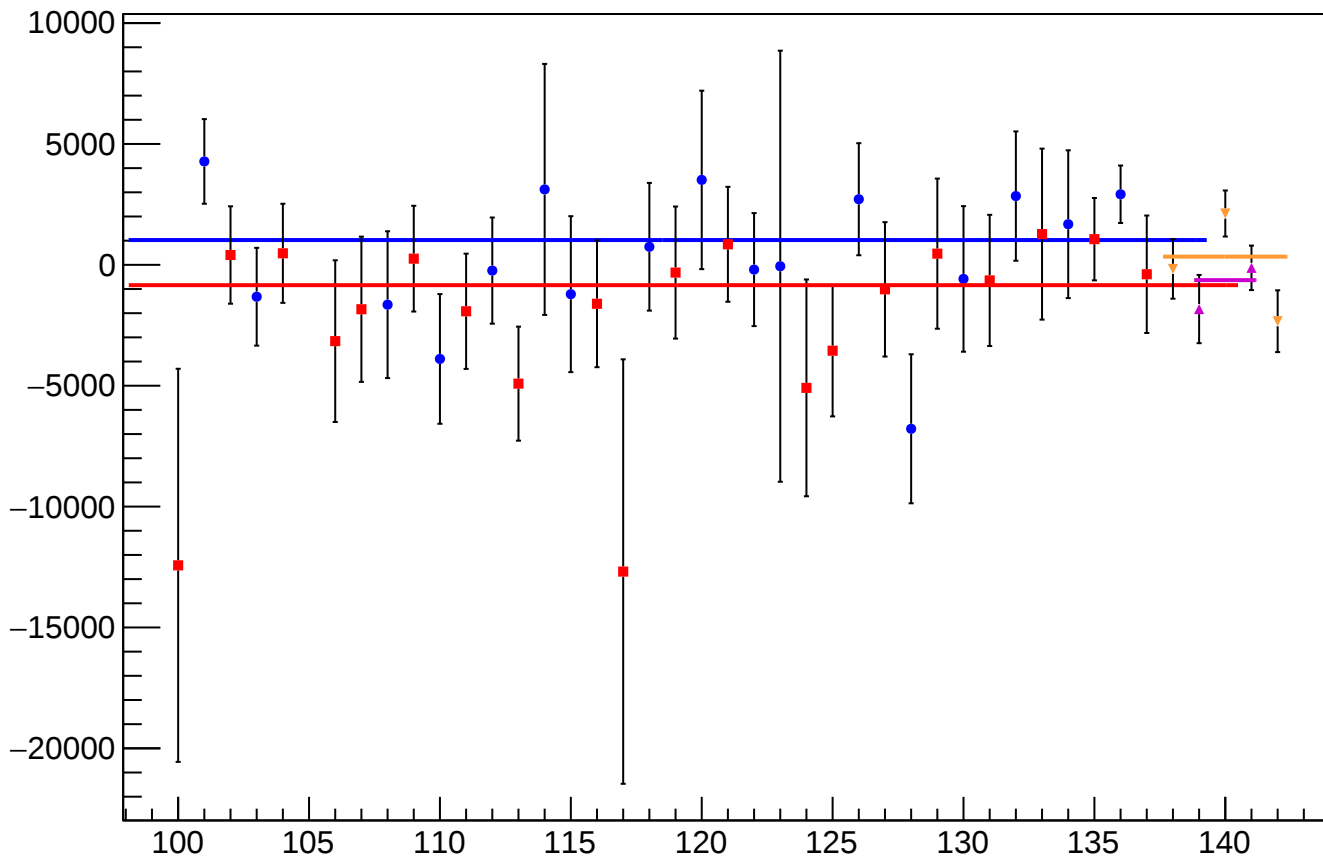
Left In: 944.344 $\pm$ 0.543 χ^2 /NDF: 92853.4/1

1207.354 $\pm$ 0.306 χ^2 /NDF: 1465570.0/19

1260.125 $\pm$ 0.224 χ^2 /NDF: 2844777.0/41

1321.453 $\pm$ 0.330 χ^2 /NDF: 1314930.4/21

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

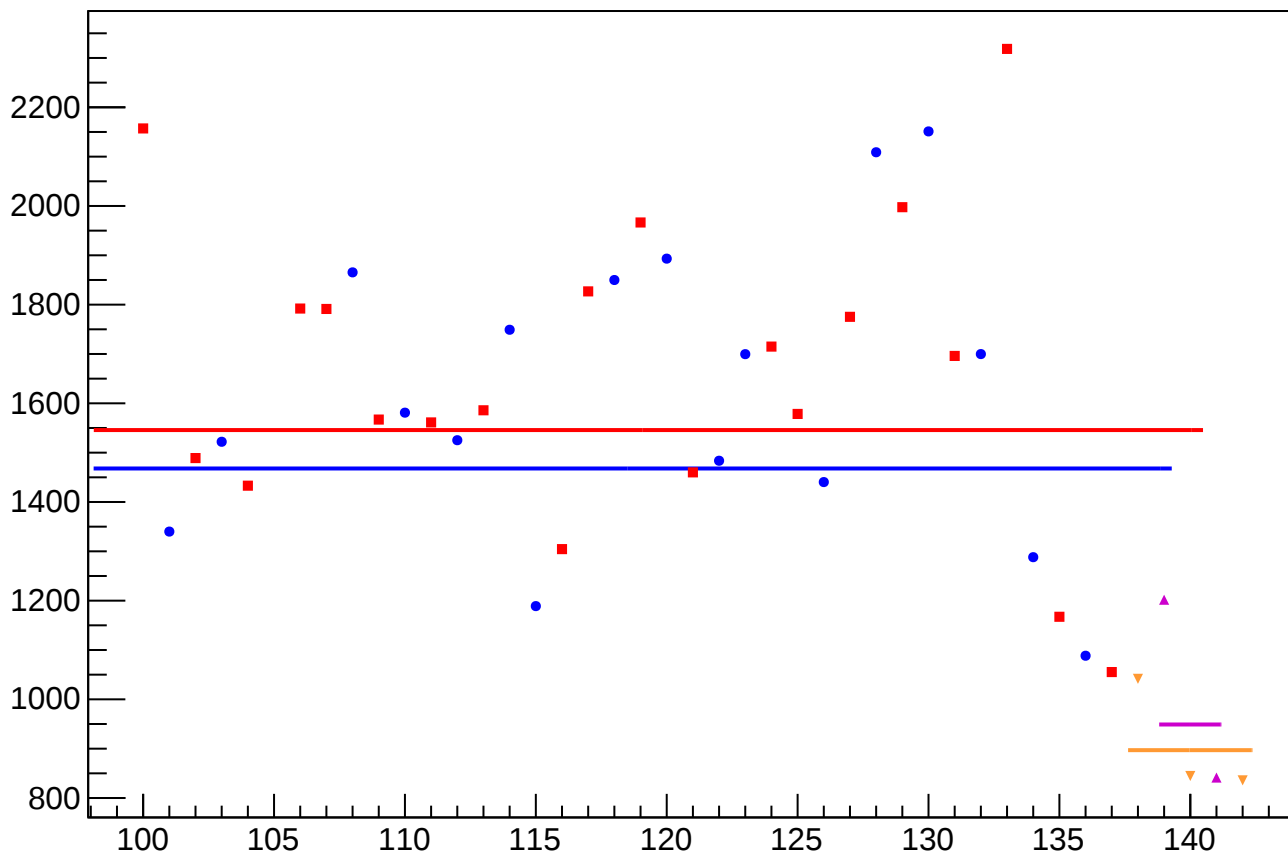
Left In: -632.541+/-770.976 χ^2/NDF : 1.0/1

718.265+/-434.370 χ^2/NDF : 29.6/19

32.457+/-318.394 χ^2/NDF : 49.1/41

-763.903+/-468.072 χ^2/NDF : 14.1/21

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

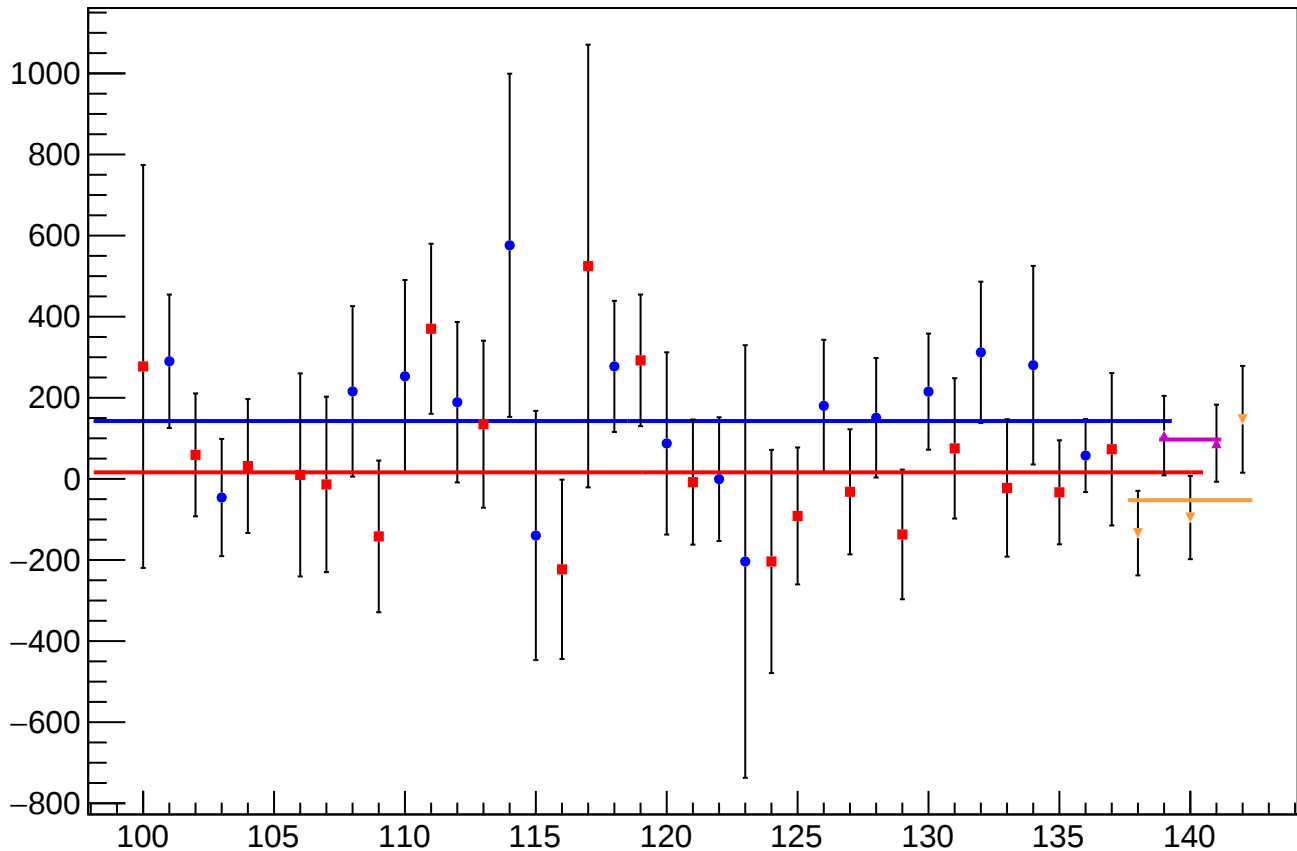
Left In: 949.004 $\pm$ 0.545 χ^2 /NDF: 91523.0/1

1212.283 $\pm$ 0.307 χ^2 /NDF: 1449964.2/19

1264.816 $\pm$ 0.225 χ^2 /NDF: 2815214.5/41

1325.817 $\pm$ 0.331 χ^2 /NDF: 1302028.5/21

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

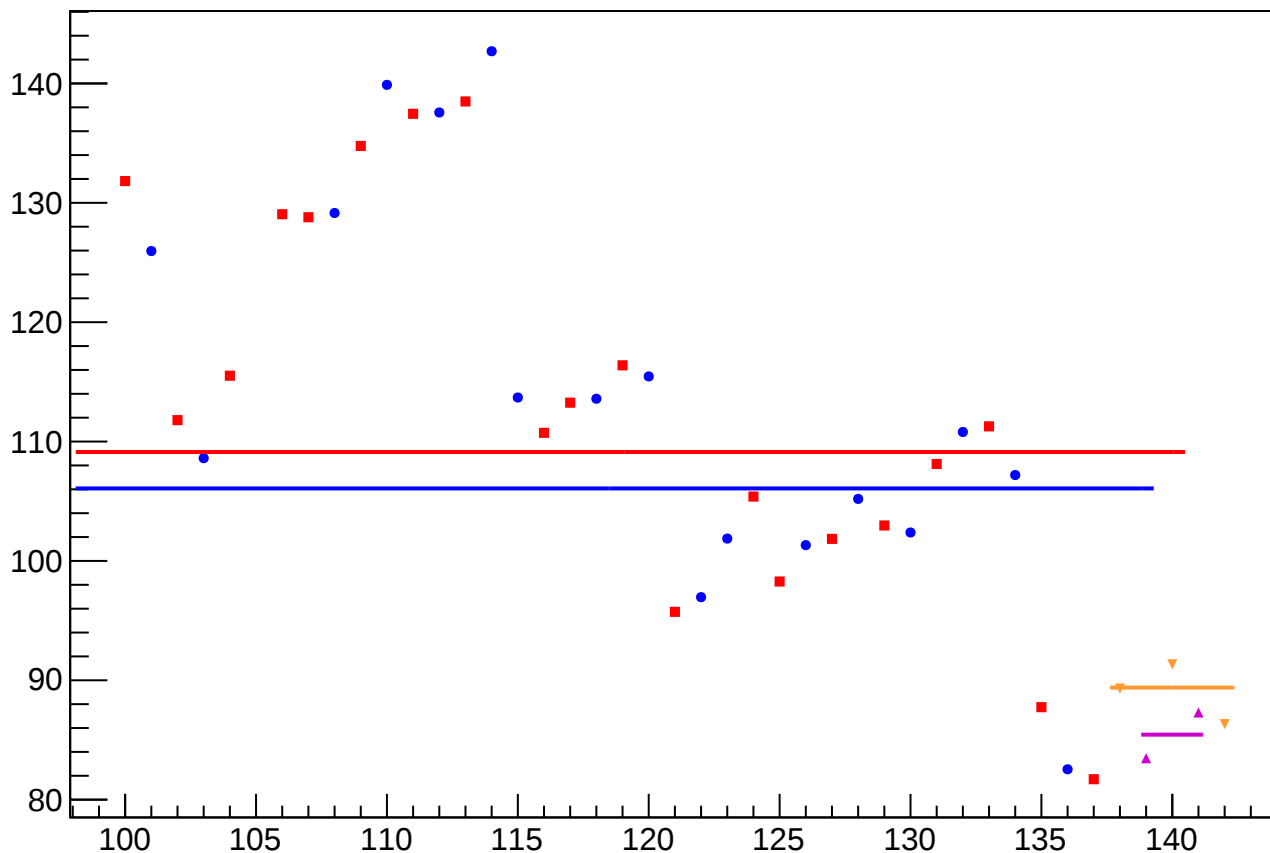
Left In: 97.096 $\pm$ 68.269 χ^2 /NDF:0.0/1

84.533 $\pm$ 34.883 χ^2 /NDF: 19.0/19

61.452 $\pm$ 24.820 χ^2 /NDF: 32.6/41

37.786 $\pm$ 35.323 χ^2 /NDF: 12.8/21

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074+/-0.029 χ^2/NDF : 317907.9/16

Left Out: 89.390+/-0.045 χ^2/NDF : 1804.4/2

Right Out: 109.124+/-0.029 χ^2/NDF : 285510.2/19

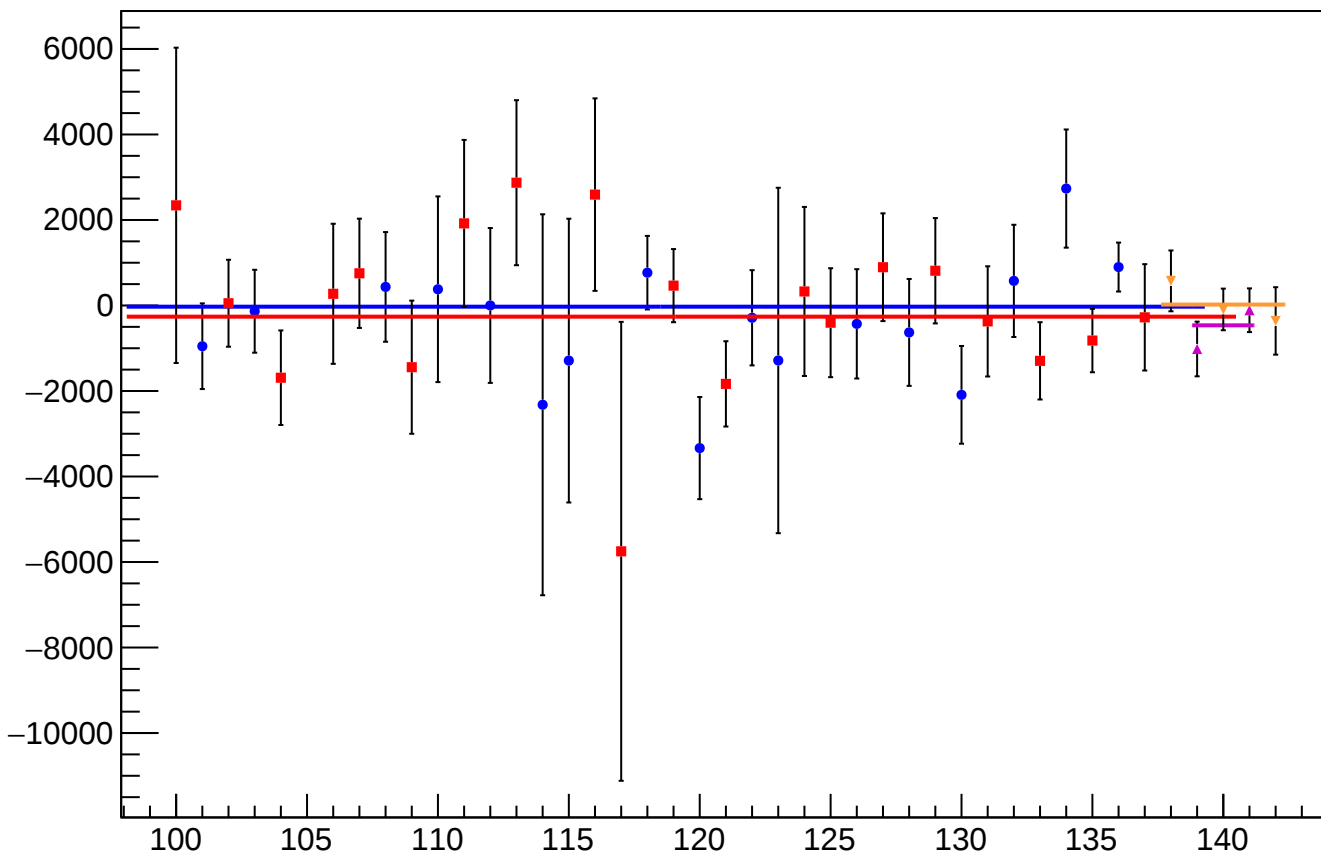
Left In: 85.446+/-0.048 χ^2/NDF : 1574.6/1

101.107+/-0.025 χ^2/NDF : 415357.2/19

101.936+/-0.018 χ^2/NDF : 880905.1/41

102.785+/-0.025 χ^2/NDF : 463262.0/21

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 21.610 ± 357.919 χ^2/NDF : 0.9/2

Right Out: -261.265 ± 279.073 χ^2/NDF : 16.9/19

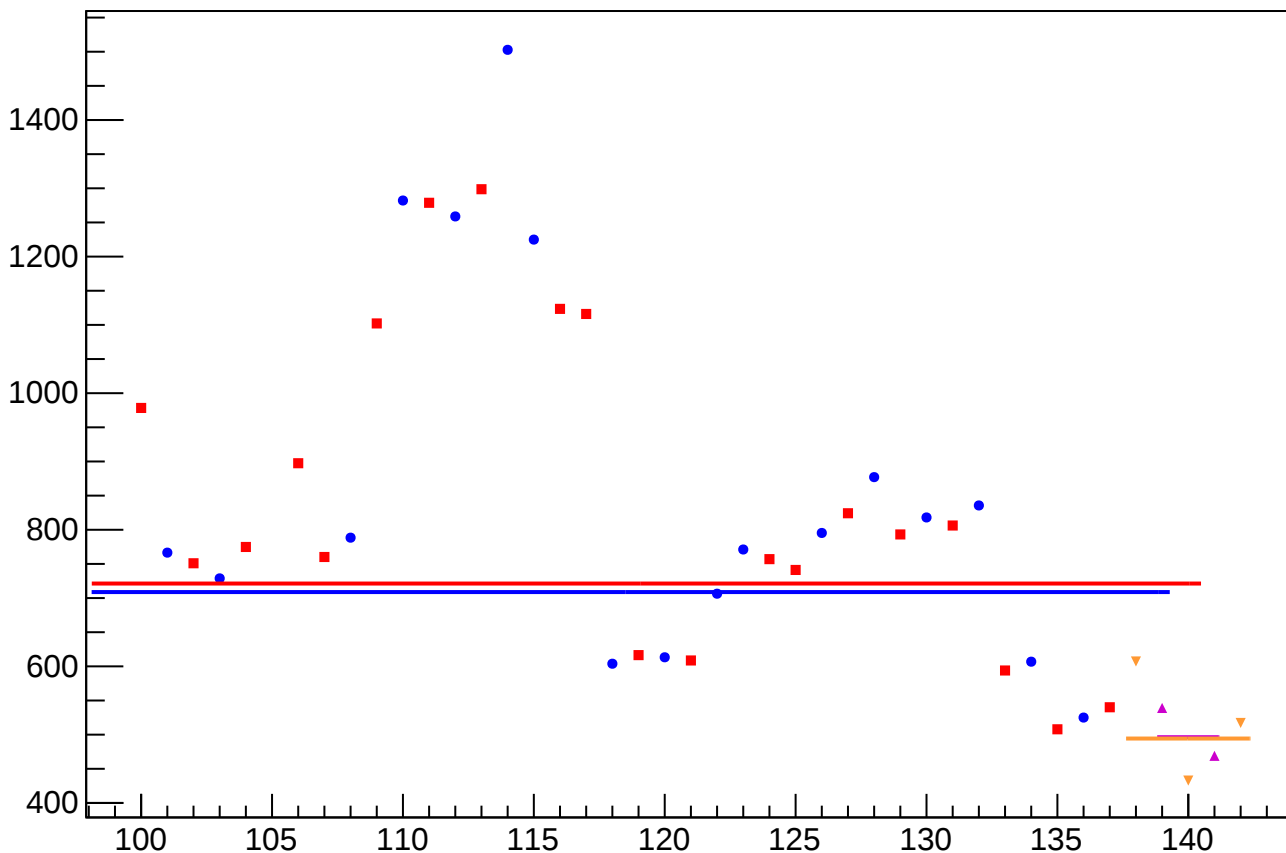
Left In: -464.065 ± 399.220 χ^2/NDF : 1.2/1

-8.836 ± 222.349 χ^2/NDF : 21.4/19

-163.825 ± 159.432 χ^2/NDF : 40.7/41

-327.836 ± 228.728 χ^2/NDF : 18.3/21

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784+/-0.201 χ^2/NDF : 793538.1/16

Left Out: 494.314+/-0.253 χ^2/NDF : 83998.0/2

Right Out: 721.271+/-0.197 χ^2/NDF : 910781.0/19

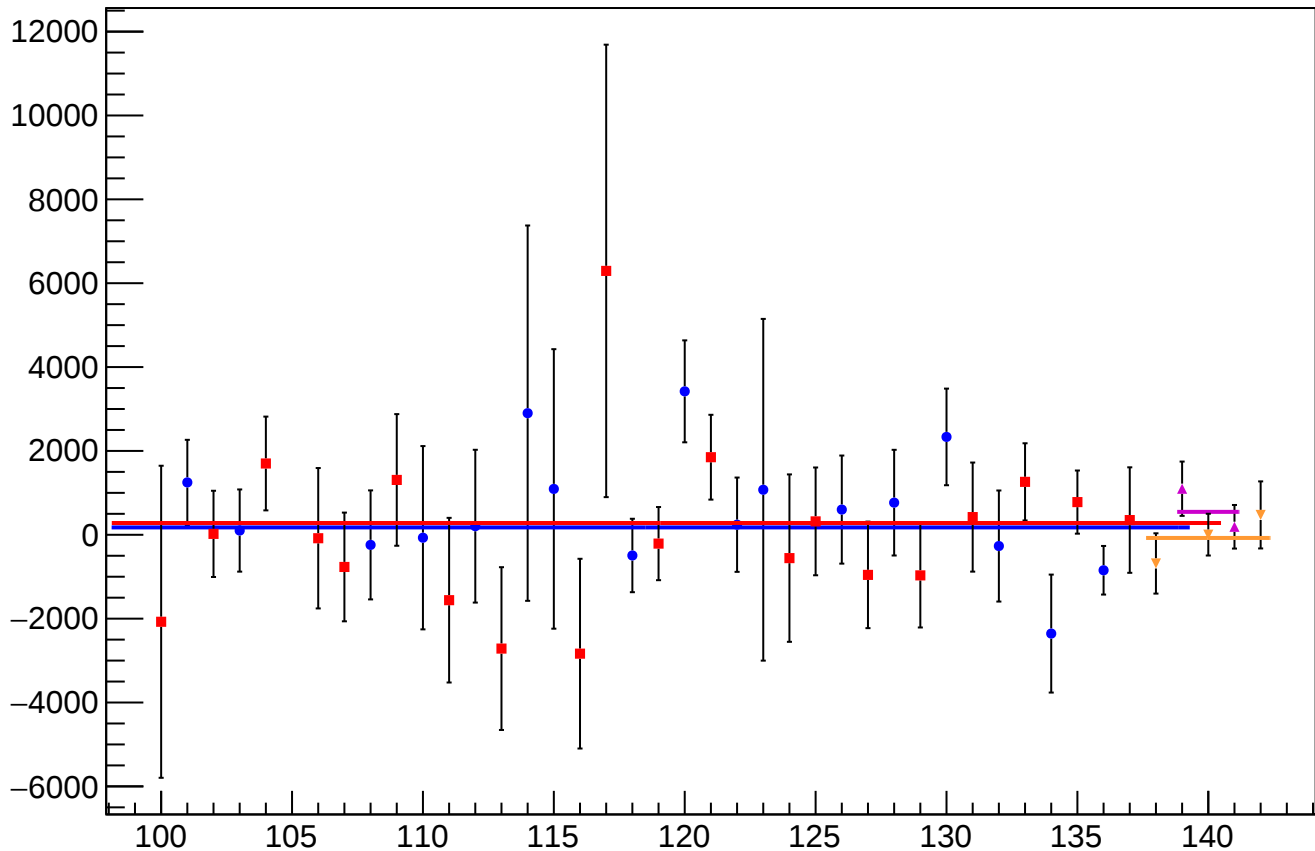
Left In: 496.313+/-0.282 χ^2/NDF : 14670.8/1

626.016+/-0.157 χ^2/NDF : 1318515.1/19

636.418+/-0.113 χ^2/NDF : 2679569.4/41

647.427+/-0.162 χ^2/NDF : 1352043.6/21

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854+/-287.218 χ^2/NDF : 19.7/16

Left Out: -75.385+/-364.343 χ^2/NDF : 1.2/2

Right Out: 281.173+/-282.685 χ^2/NDF : 16.1/19

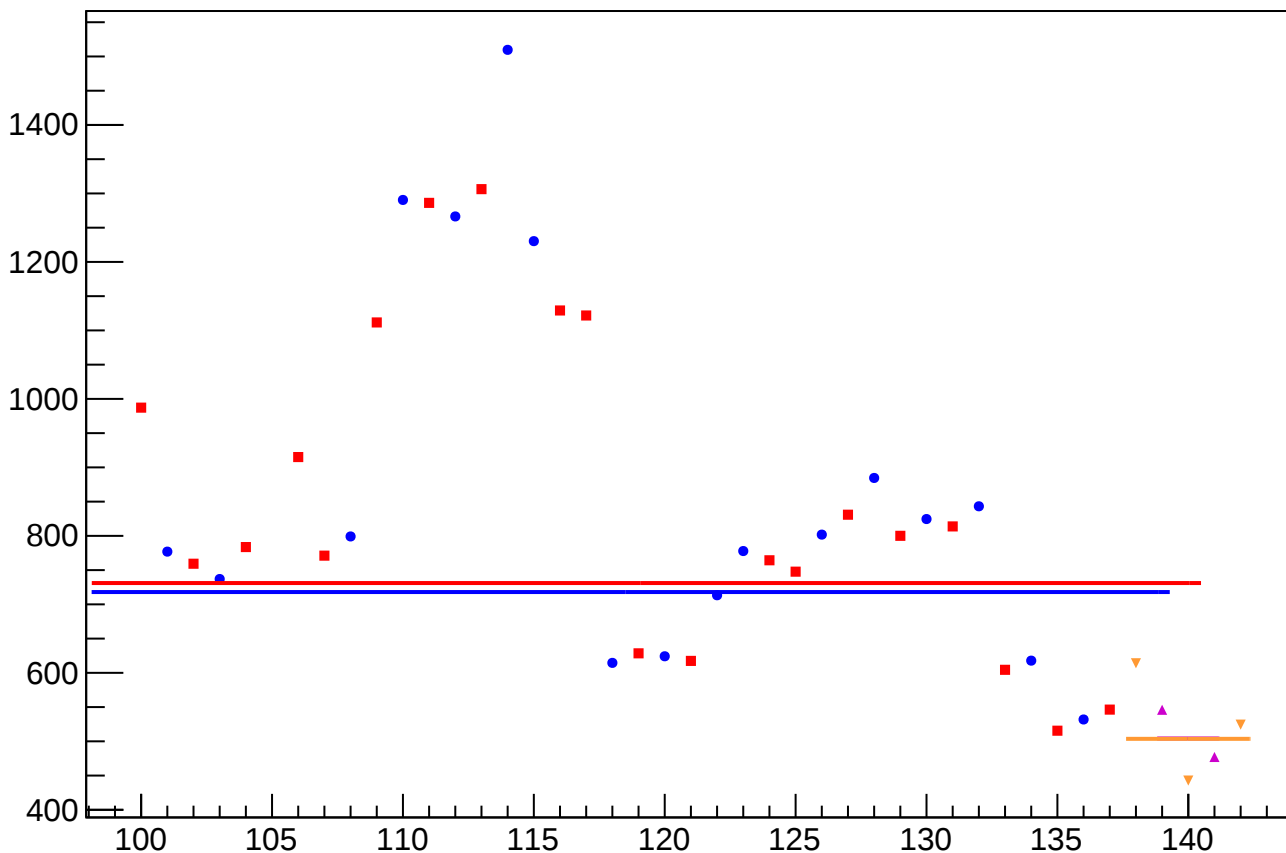
Left In: 546.769+/-405.383 χ^2/NDF : 1.2/1

79.563+/-225.559 χ^2/NDF : 21.2/19

219.833+/-161.681 χ^2/NDF : 39.6/41

368.069+/-231.875 χ^2/NDF : 17.5/21

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 503.633 $\pm$ 0.258 χ^2 /NDF: 78398.4/2

Right Out: 731.116 $\pm$ 0.200 χ^2 /NDF: 892357.6/19

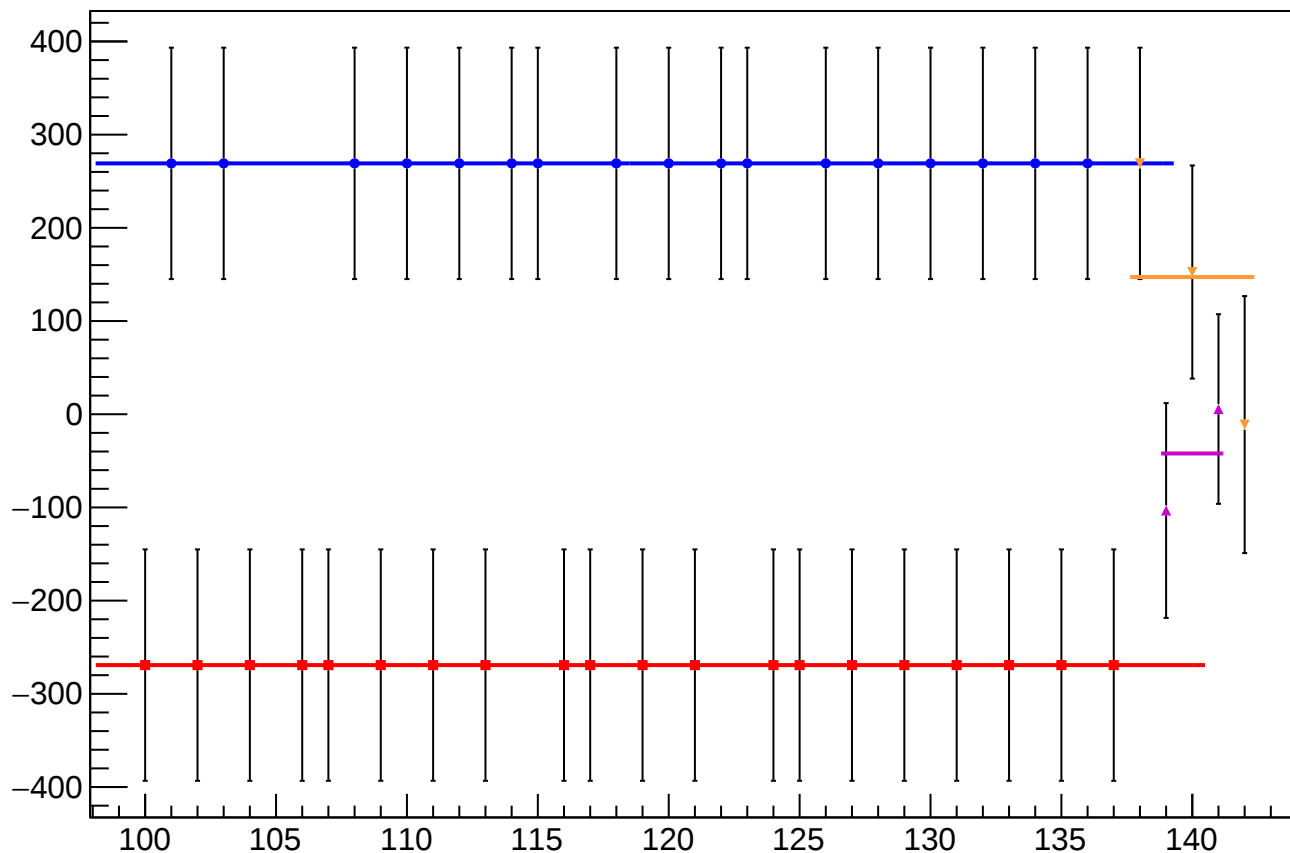
Left In: 504.166 $\pm$ 0.287 χ^2 /NDF: 13781.3/1

635.824 $\pm$ 0.159 χ^2 /NDF: 1283868.6/19

646.053 $\pm$ 0.114 χ^2 /NDF: 2620224.5/41

656.864 $\pm$ 0.164 χ^2 /NDF: 1327895.0/21

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

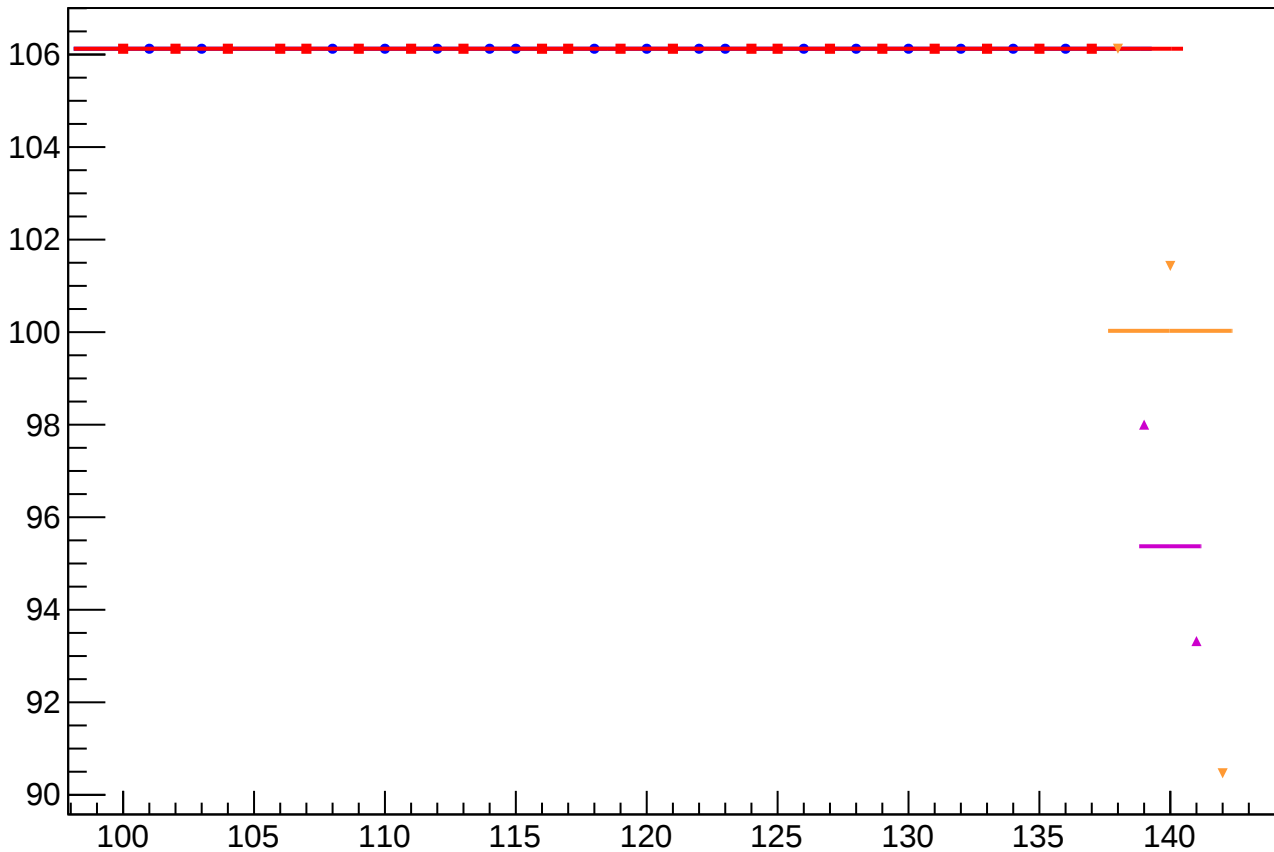
Left In: -42.105 $\pm$ 76.269 χ^2 /NDF:0.5/1

250.930 $\pm$ 27.767 χ^2 /NDF: 4.7/19

-11.235 $\pm$ 19.012 χ^2 /NDF: 180.9/41

-242.610 $\pm$ 26.086 χ^2 /NDF: 8.3/21

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

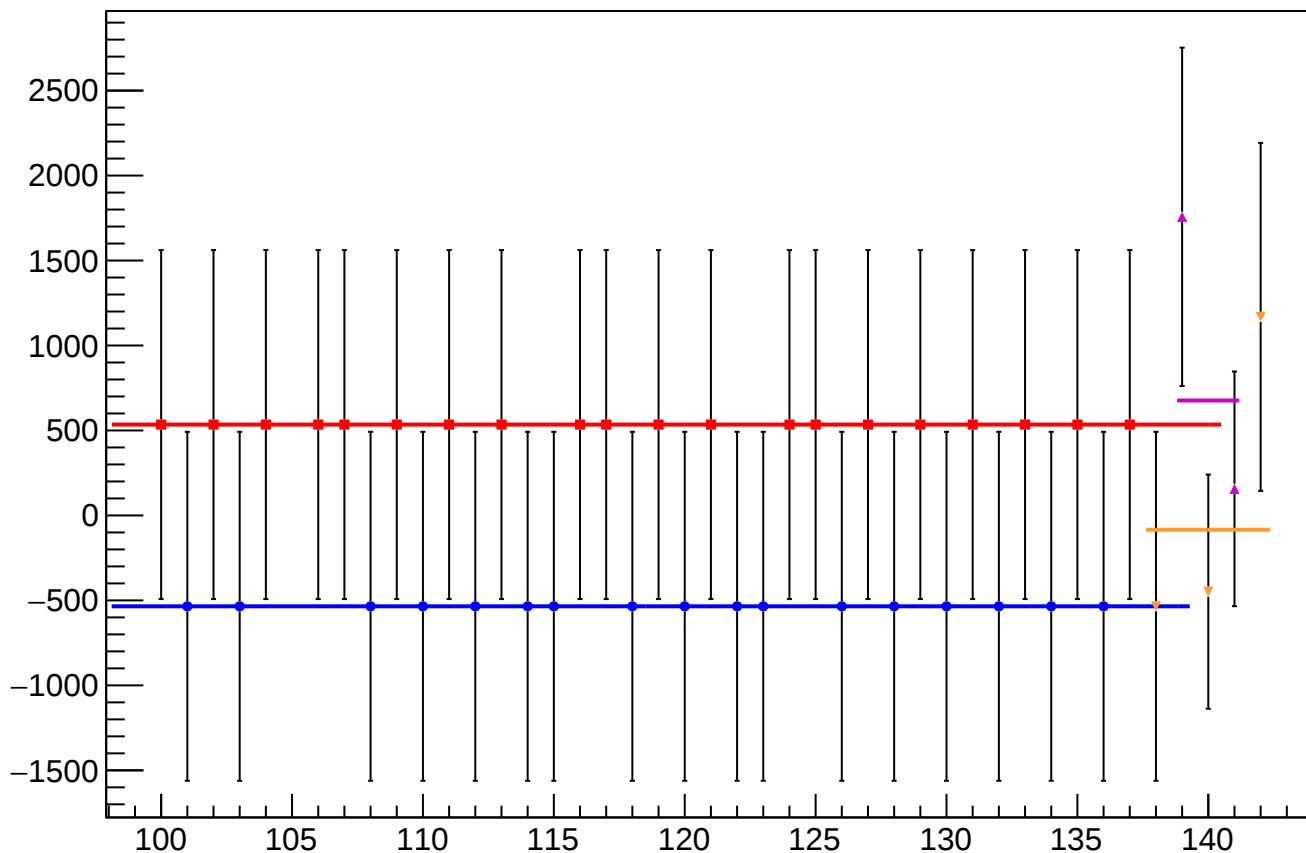
Left In: 95.372 $\pm$ 0.054 χ^2 /NDF:1851.6/1

105.214 $\pm$ 0.020 χ^2 /NDF: 27004.5/19

105.030 $\pm$ 0.013 χ^2 /NDF: 64125.2/41

104.867 $\pm$ 0.018 χ^2 /NDF: 36955.7/21

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: -534.744 $\pm$ 249.039 χ^2 /NDF: 0.0/16

Left Out: -84.228 $\pm$ 499.434 χ^2 /NDF: 2.0/2

Right Out: 534.744 $\pm$ 229.602 χ^2 /NDF: 0.0/19

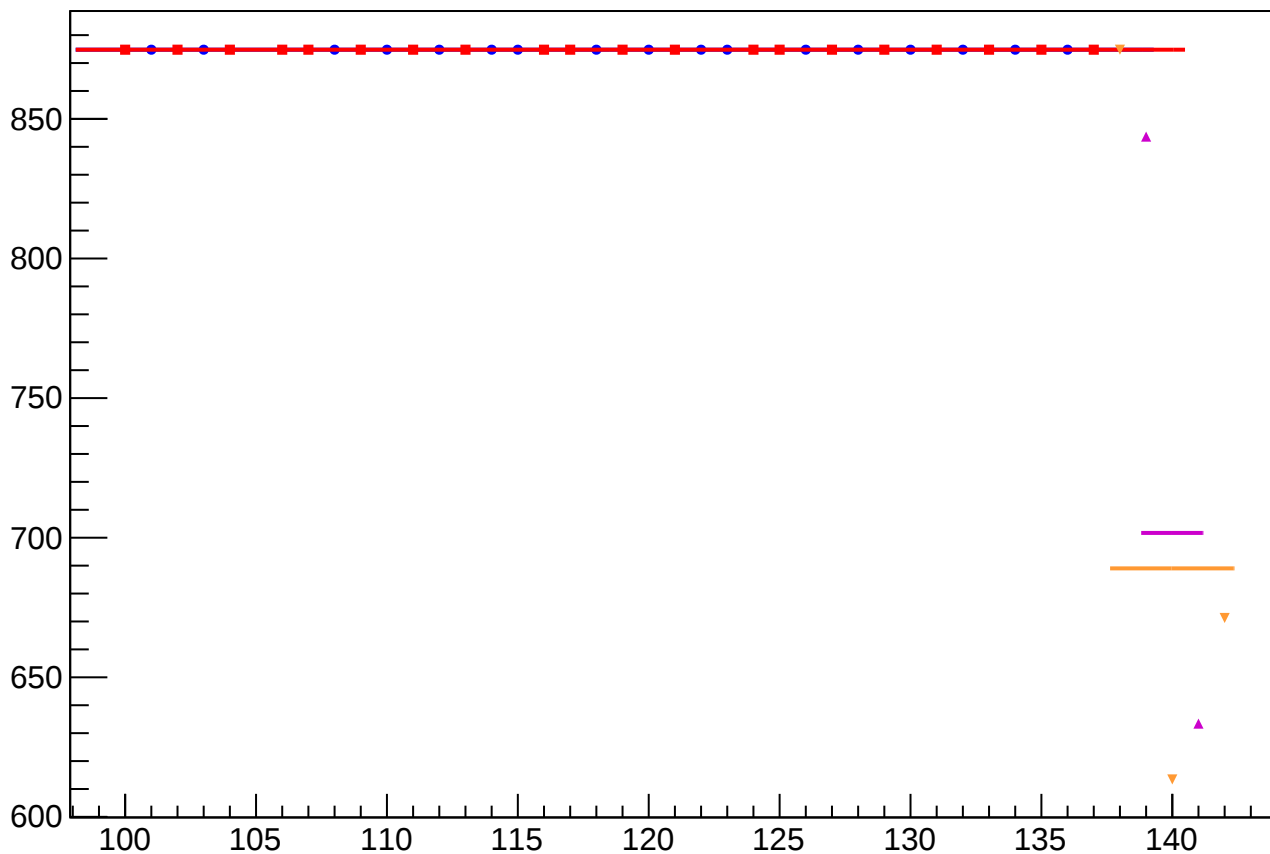
Left In: 676.454 $\pm$ 567.356 χ^2 /NDF: 1.7/1

-445.033 $\pm$ 222.868 χ^2 /NDF: 2.6/19

77.836 $\pm$ 153.922 χ^2 /NDF: 14.9/41

554.687 $\pm$ 212.835 χ^2 /NDF: 1.8/21

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

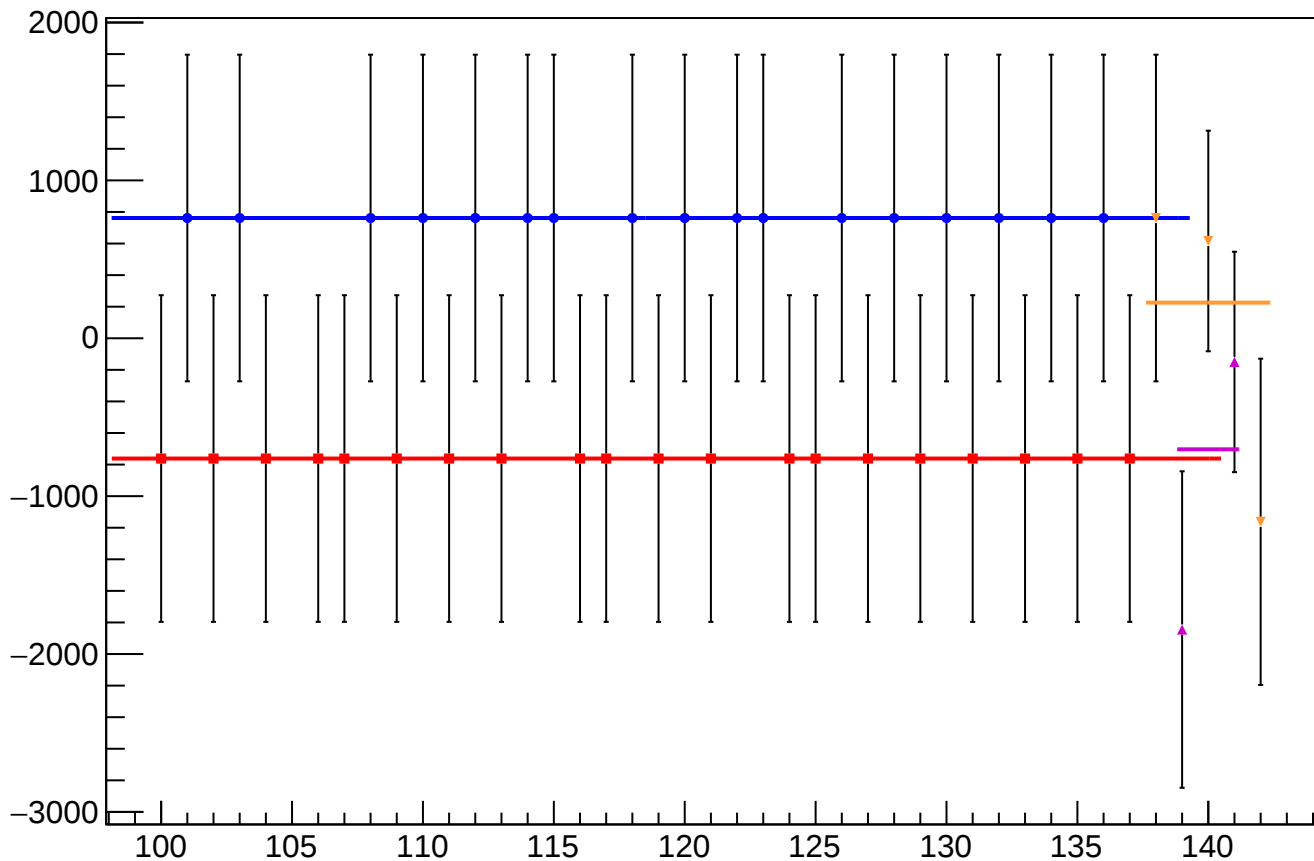
Left In: 701.713 $\pm$ 0.401 χ^2 /NDF: 60233.0/1

837.791 $\pm$ 0.158 χ^2 /NDF: 311746.8/19

844.400 $\pm$ 0.109 χ^2 /NDF: 535260.5/41

850.427 $\pm$ 0.150 χ^2 /NDF: 220150.7/21

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

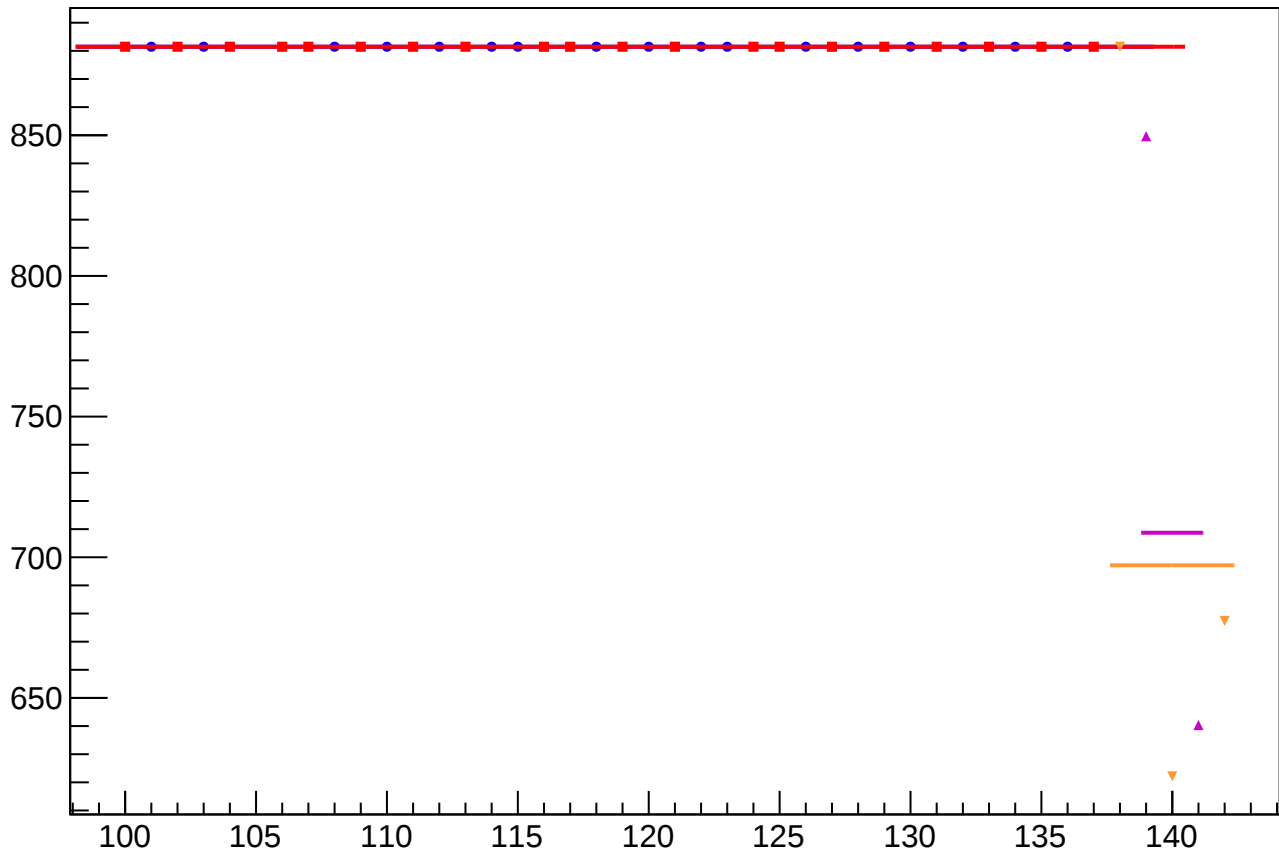
Left In: -703.443 $\pm$ 572.833 χ^2 /NDF: 1.9/1

655.671 $\pm$ 224.715 χ^2 /NDF: 3.3/19

-81.702 $\pm$ 155.160 χ^2 /NDF: 25.8/41

-753.562 $\pm$ 214.501 χ^2 /NDF: 1.9/21

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 881.467 $\pm$ 0.177 χ^2 /NDF: 0.0/16

Left Out: 697.141 $\pm$ 0.357 χ^2 /NDF:87288.8/2

Right Out: 881.467 $\pm$ 0.164 χ^2 /NDF: 0.0/19

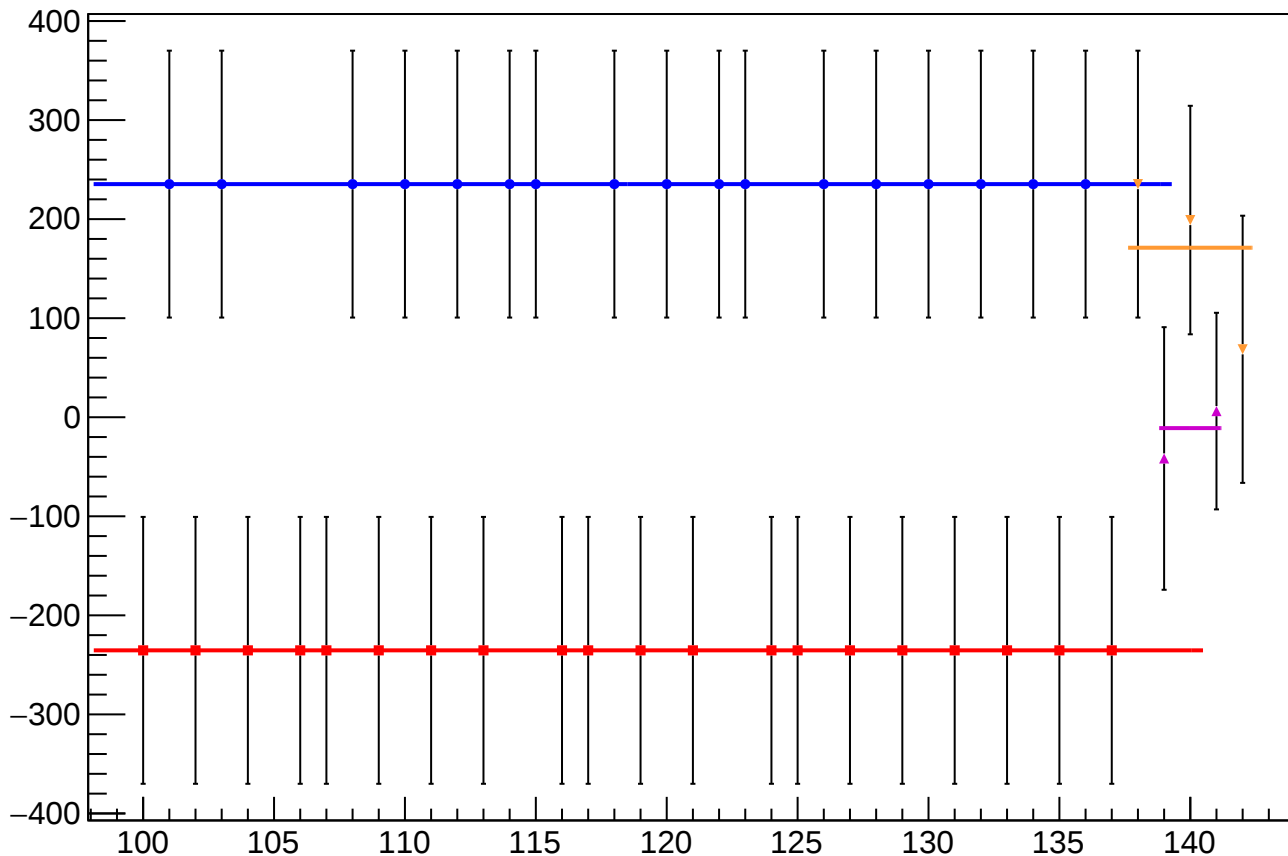
Left In: 708.718 $\pm$ 0.405 χ^2 /NDF:58702.4/1

844.985 $\pm$ 0.159 χ^2 /NDF: 300911.3/19

851.400 $\pm$ 0.110 χ^2 /NDF: 519114.7/41

857.245 $\pm$ 0.152 χ^2 /NDF: 215088.6/21

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

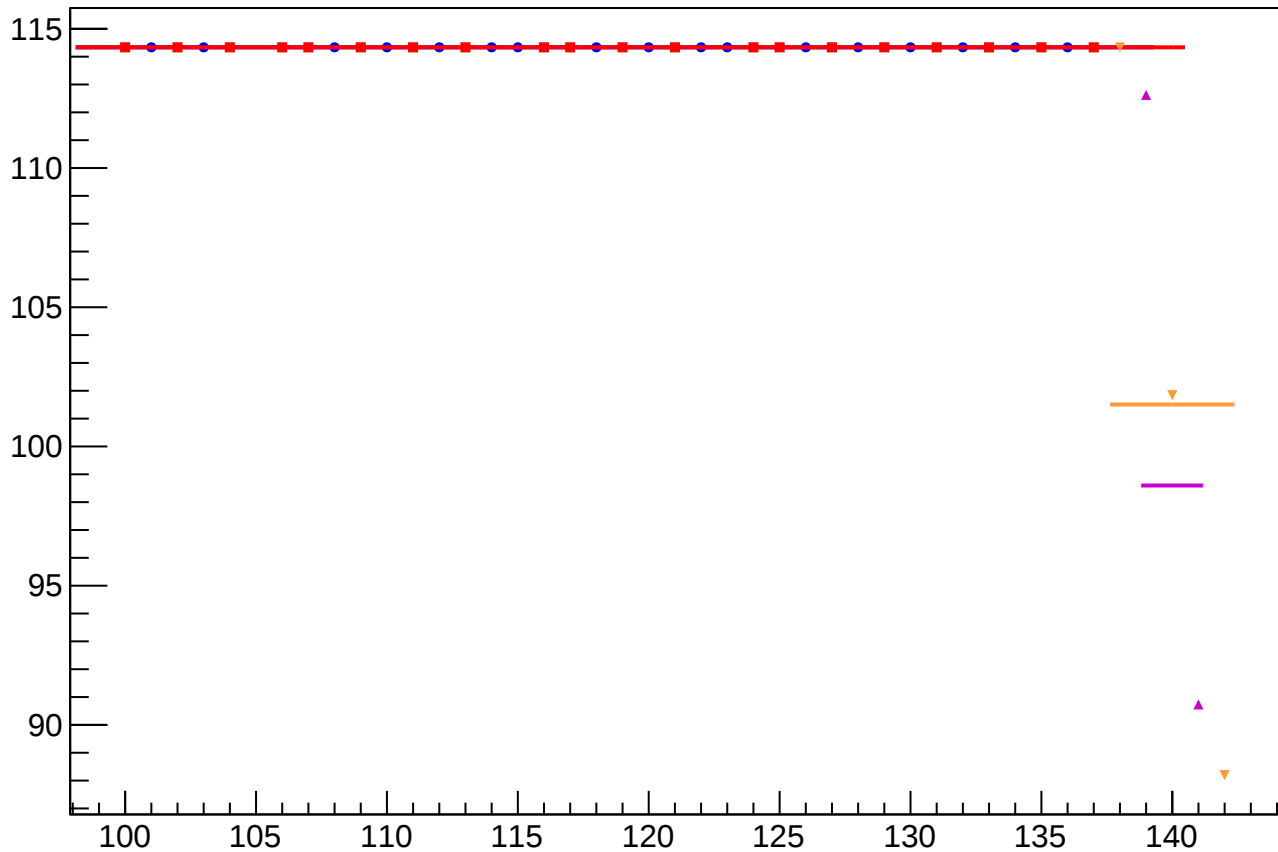
Left In: -10.981 $\pm$ 79.444 χ^2 /NDF: 0.1/1

224.743 $\pm$ 29.856 χ^2 /NDF: 1.5/19

-3.752 $\pm$ 20.489 χ^2 /NDF: 119.3/41

-207.140 $\pm$ 28.168 χ^2 /NDF: 7.1/21

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

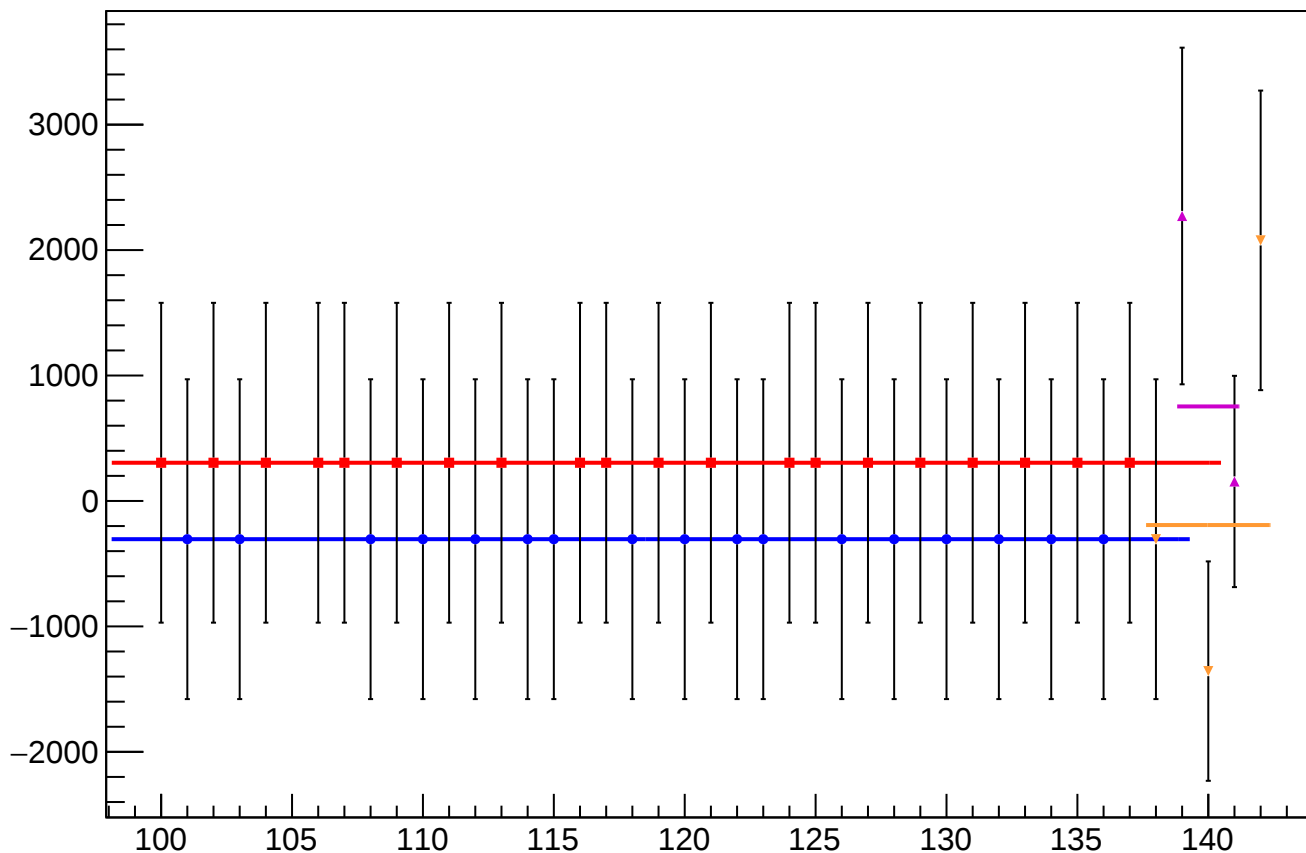
Left In: 98.598 $\pm$ 0.056 χ^2 /NDF: 34953.6/1

112.217 $\pm$ 0.021 χ^2 /NDF: 88533.9/19

112.291 $\pm$ 0.014 χ^2 /NDF: 192125.7/41

112.357 $\pm$ 0.020 χ^2 /NDF: 103568.6/21

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

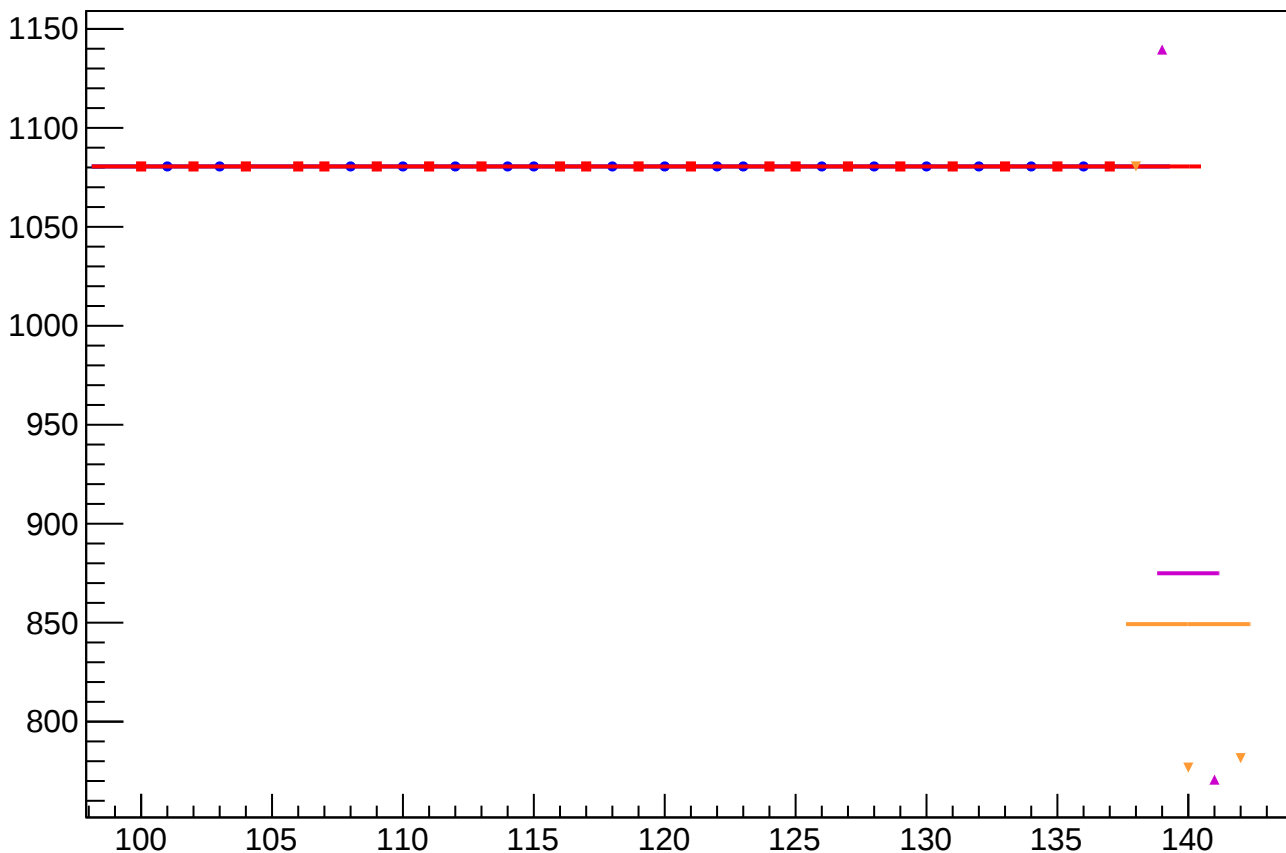
Left In: 753.559+/-713.363 χ^2/NDF : 1.8/1

-282.063+/-276.442 χ^2/NDF : 5.4/19

56.268+/-191.187 χ^2/NDF : 10.4/41

366.465+/-264.699 χ^2/NDF : 2.1/21

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 1080.515 $\pm$ 0.219 χ^2 /NDF: 0.0/16

Left Out: 849.266 $\pm$ 0.436 χ^2 /NDF:85994.2/2

Right Out: 1080.515 $\pm$ 0.202 χ^2 /NDF: 0.0/19

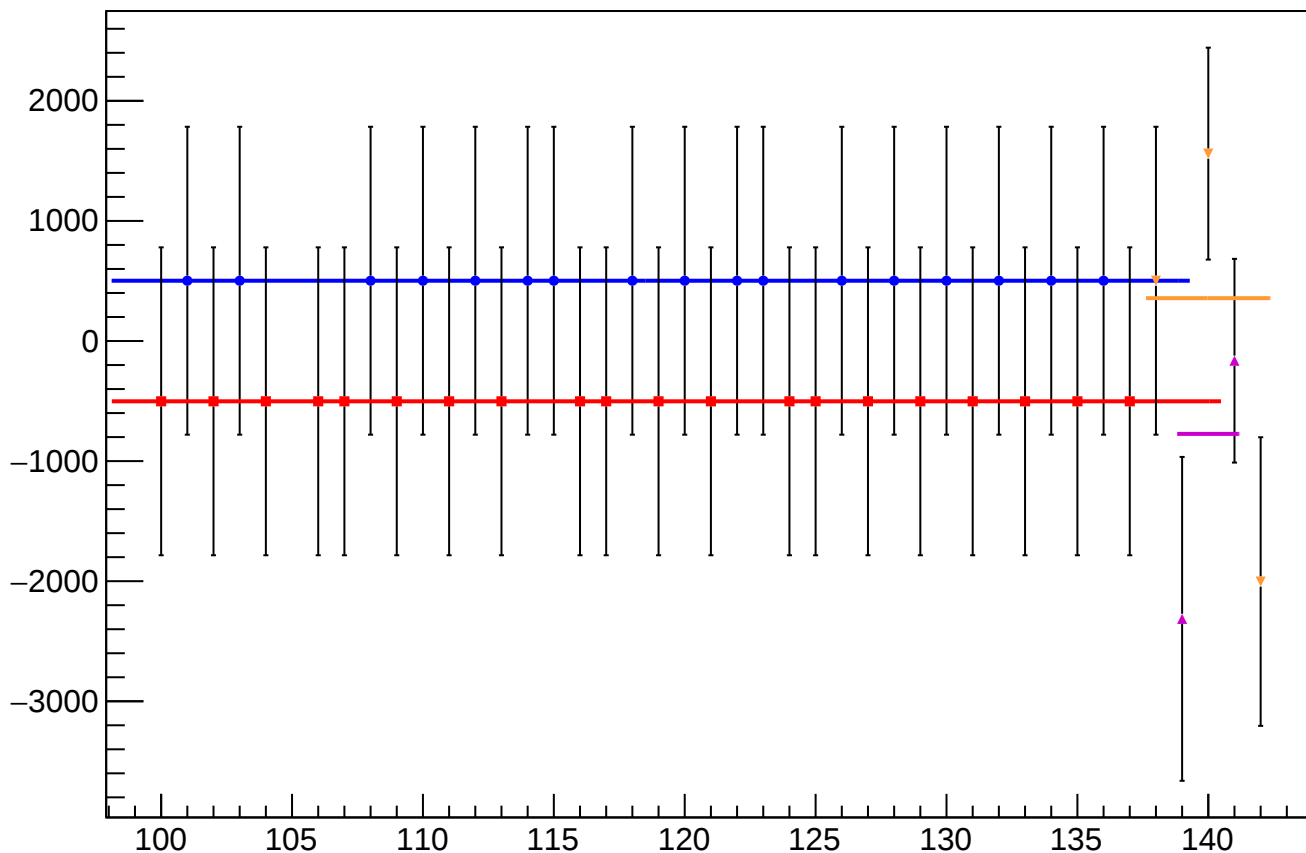
Left In: 874.959 $\pm$ 0.504 χ^2 /NDF:108429.0/1

1034.137 $\pm$ 0.195 χ^2 /NDF: 310384.7/19

1043.567 $\pm$ 0.135 χ^2 /NDF: 566472.6/41

1052.213 $\pm$ 0.187 χ^2 /NDF: 251626.6/21

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 502.043 $\pm$ 310.943 χ^2 /NDF: 0.0/16

Left Out: 356.730 $\pm$ 621.952 χ^2 /NDF:5.7/2

Right Out: -502.043 $\pm$ 286.675 χ^2 /NDF: 0.0/19

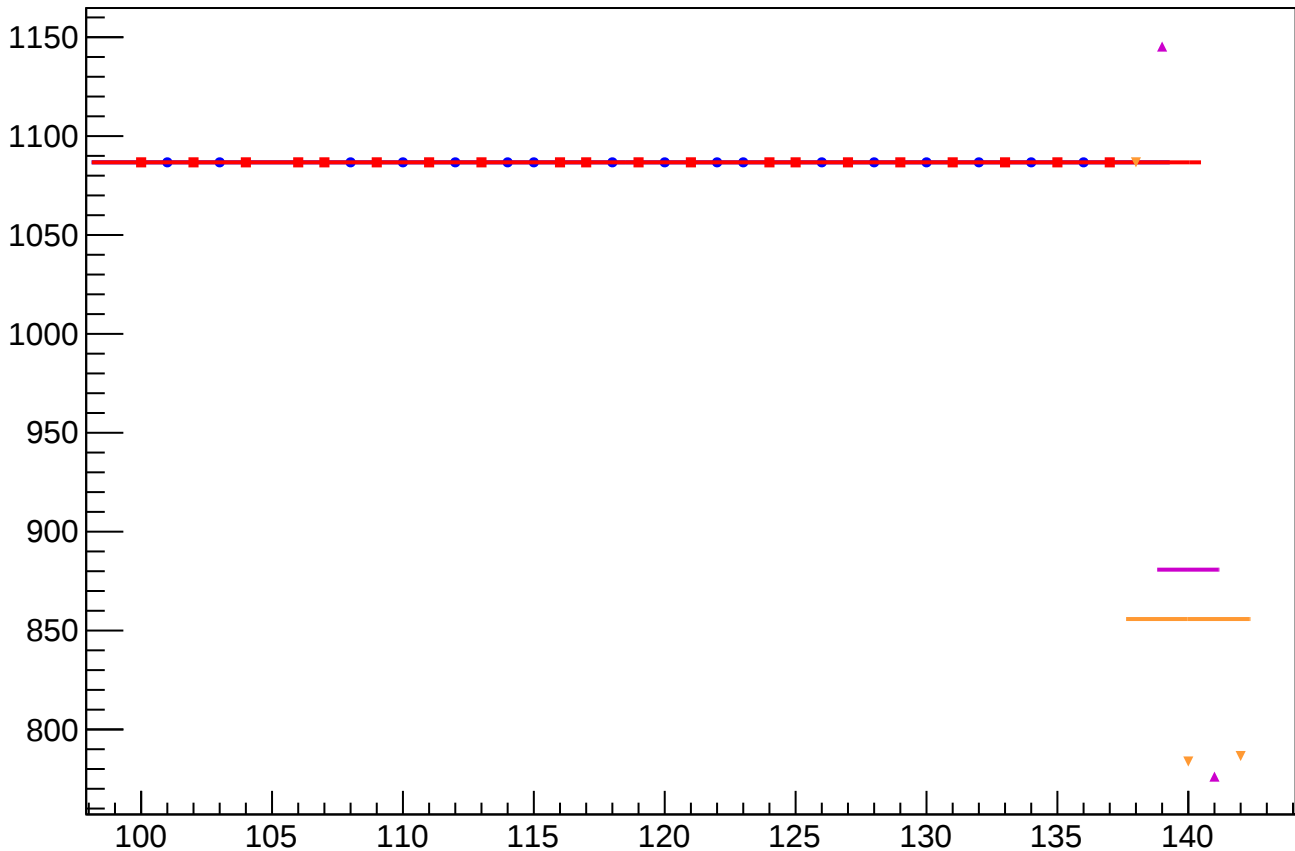
Left In: -773.429 $\pm$ 717.974 χ^2 /NDF:1.8/1

472.986 $\pm$ 278.122 χ^2 /NDF: 5.8/19

-55.279 $\pm$ 192.322 χ^2 /NDF: 14.6/41

-539.360 $\pm$ 266.237 χ^2 /NDF: 1.9/21

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

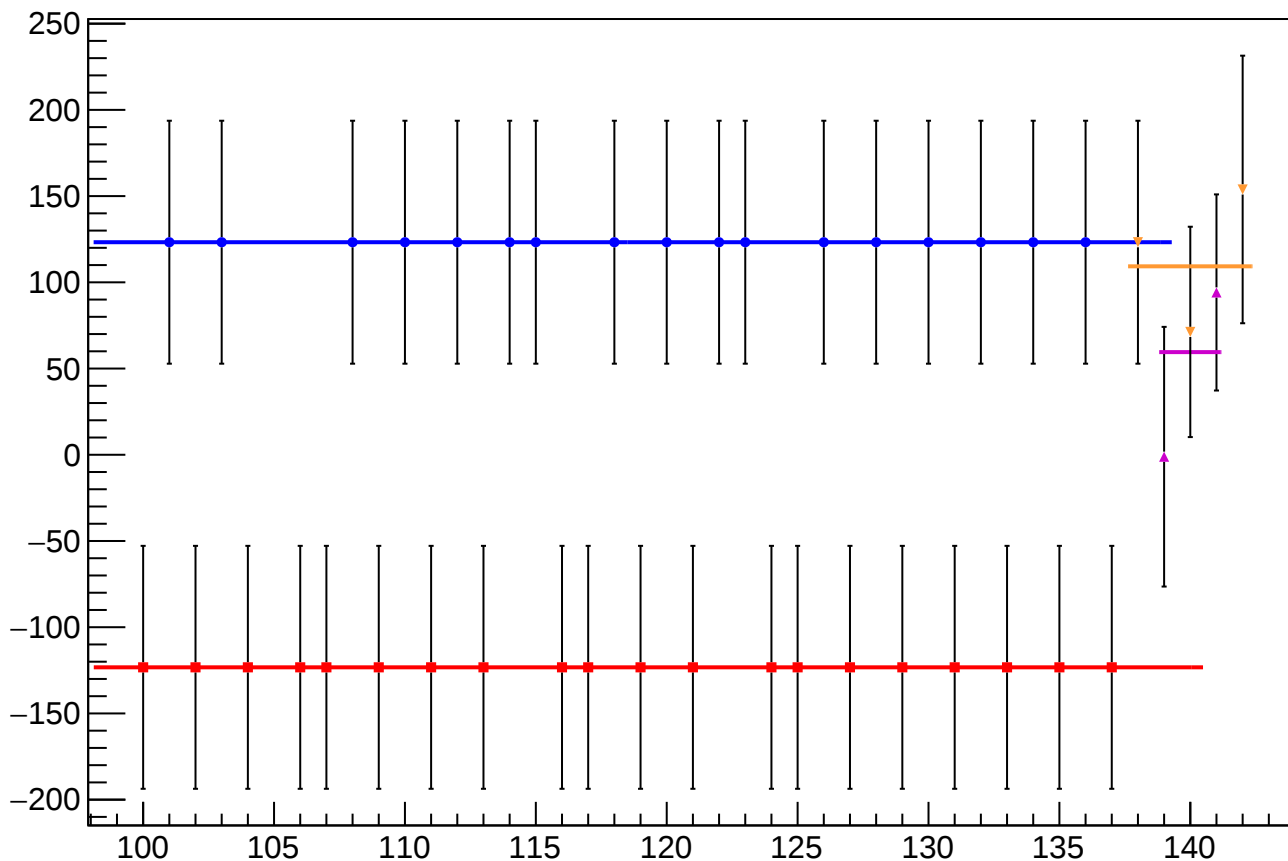
Left In: 880.790 $\pm$ 0.508 χ^2 /NDF: 107373.1/1

1040.558 $\pm$ 0.197 χ^2 /NDF: 305390.6/19

1049.875 $\pm$ 0.136 χ^2 /NDF: 558988.0/41

1058.413 $\pm$ 0.188 χ^2 /NDF: 249296.0/21

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

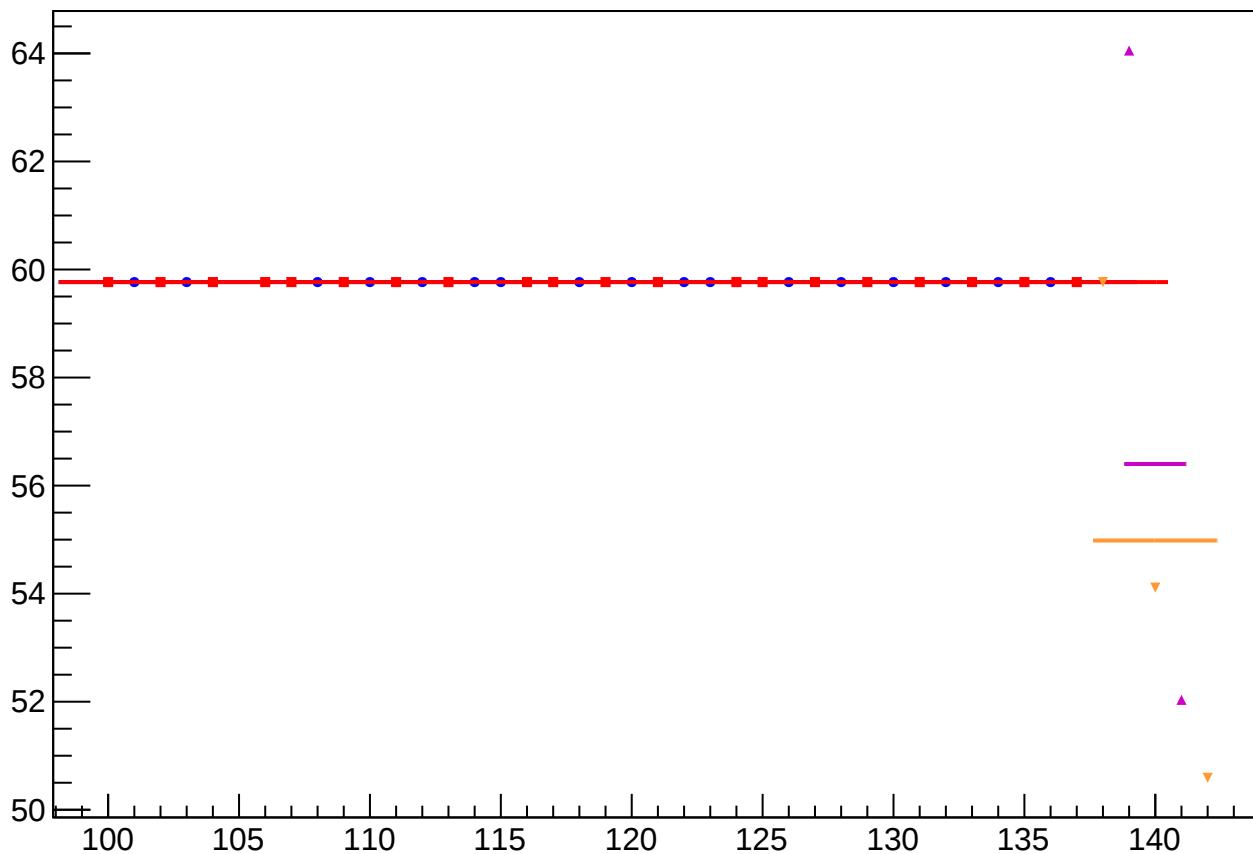
Left In: 59.528 $\pm$ 45.378 χ^2 /NDF: 1.0/1

121.069 $\pm$ 15.689 χ^2 /NDF: 0.9/19

2.791 $\pm$ 10.797 χ^2 /NDF: 124.3/41

-103.605 $\pm$ 14.880 χ^2 /NDF: 15.5/21

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

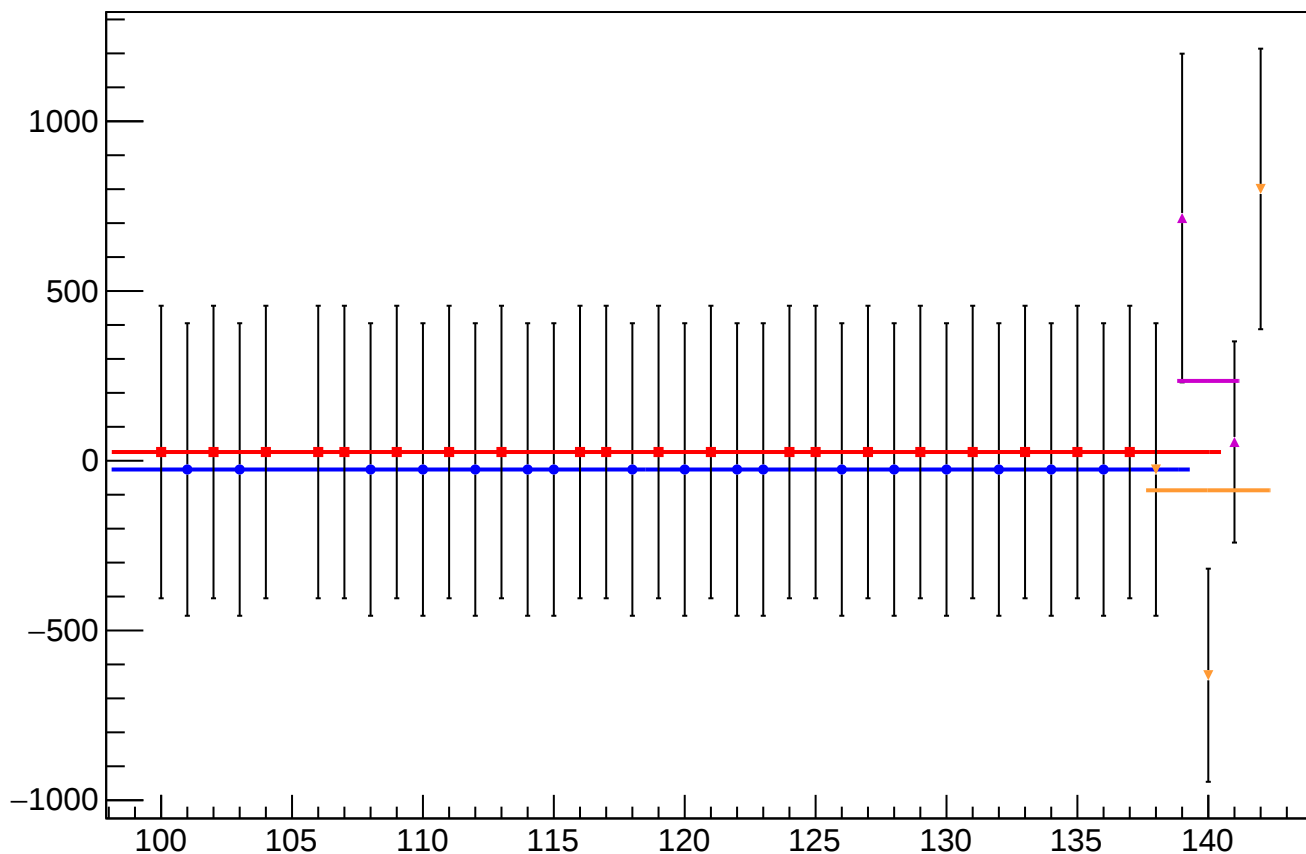
Left In: 56.400 $\pm$ 0.032 χ^2 /NDF:32448.1/1

59.018 $\pm$ 0.011 χ^2 /NDF: 40608.7/19

59.222 $\pm$ 0.008 χ^2 /NDF: 83527.1/41

59.405 $\pm$ 0.011 χ^2 /NDF: 42276.5/21

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -25.761 ± 104.501 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -87.027 ± 216.206 $\chi^2/\text{NDF}: 7.6/2$

Right Out: 25.761 ± 96.345 $\chi^2/\text{NDF}: 0.0/19$

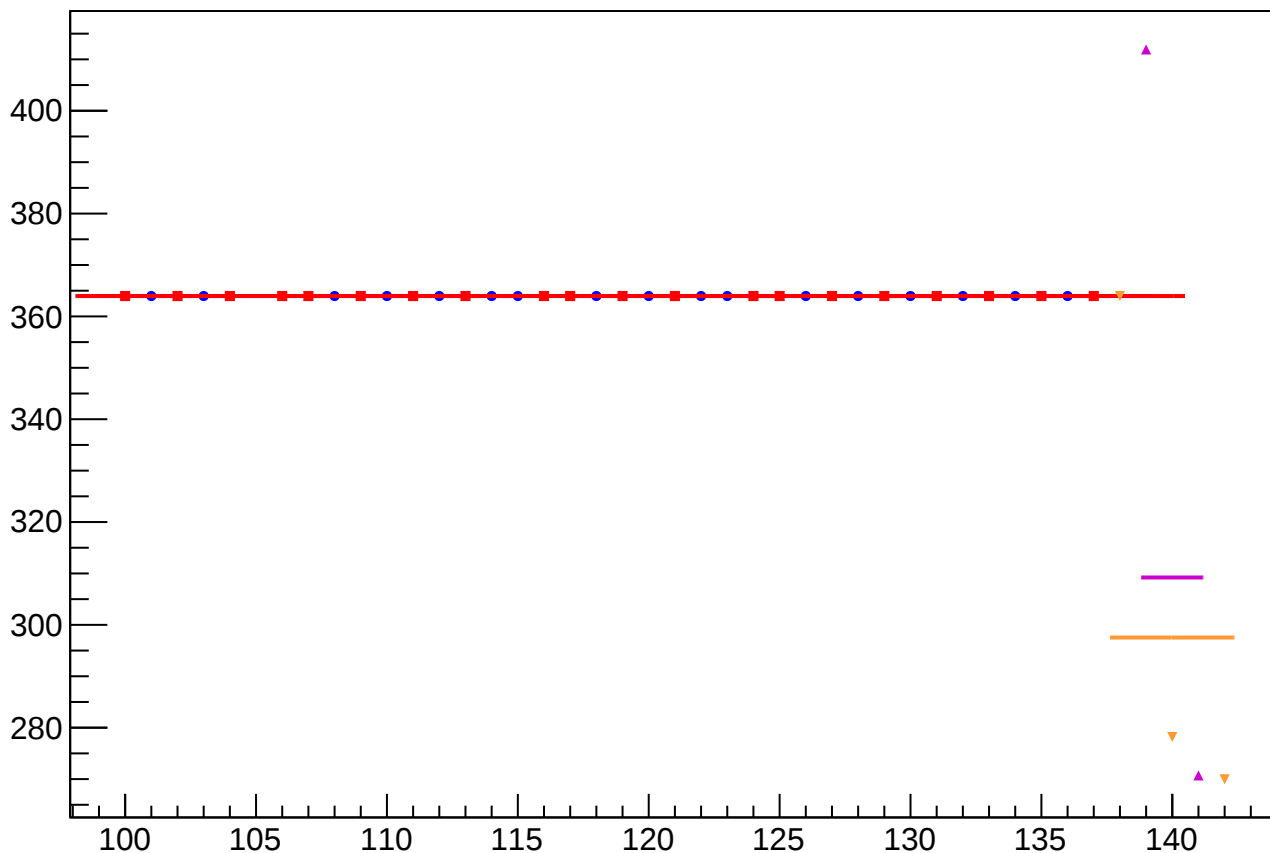
Left In: 235.185 ± 252.757 $\chi^2/\text{NDF}: 1.4/1$

-37.363 ± 94.087 $\chi^2/\text{NDF}: 7.7/19$

9.460 ± 65.046 $\chi^2/\text{NDF}: 10.1/41$

52.329 ± 90.026 $\chi^2/\text{NDF}: 2.0/21$

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

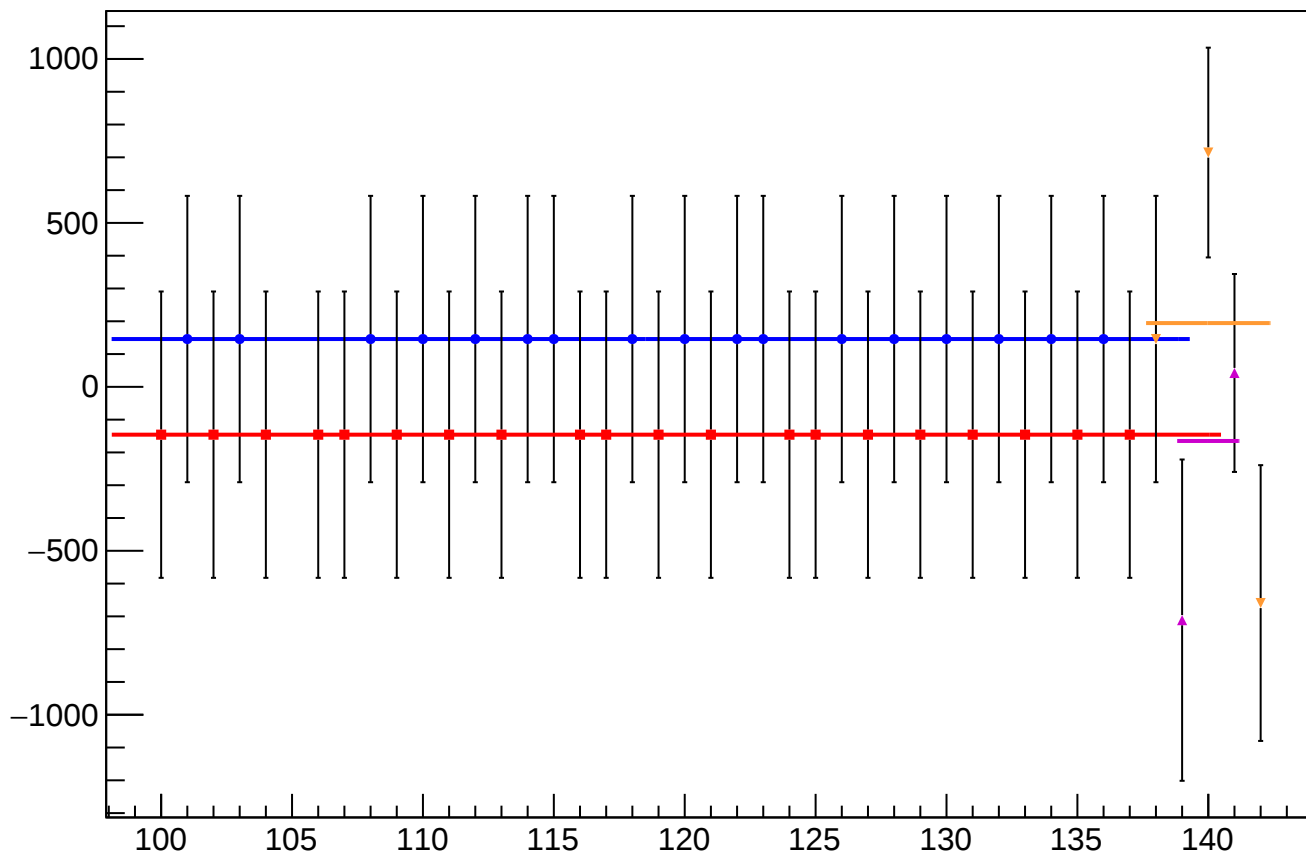
Left In: 309.215 $\pm$ 0.179 χ^2 /NDF:123788.1/1

351.383 $\pm$ 0.067 χ^2 /NDF: 217084.2/19

354.324 $\pm$ 0.046 χ^2 /NDF: 426545.4/41

357.017 $\pm$ 0.064 χ^2 /NDF: 205716.9/21

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

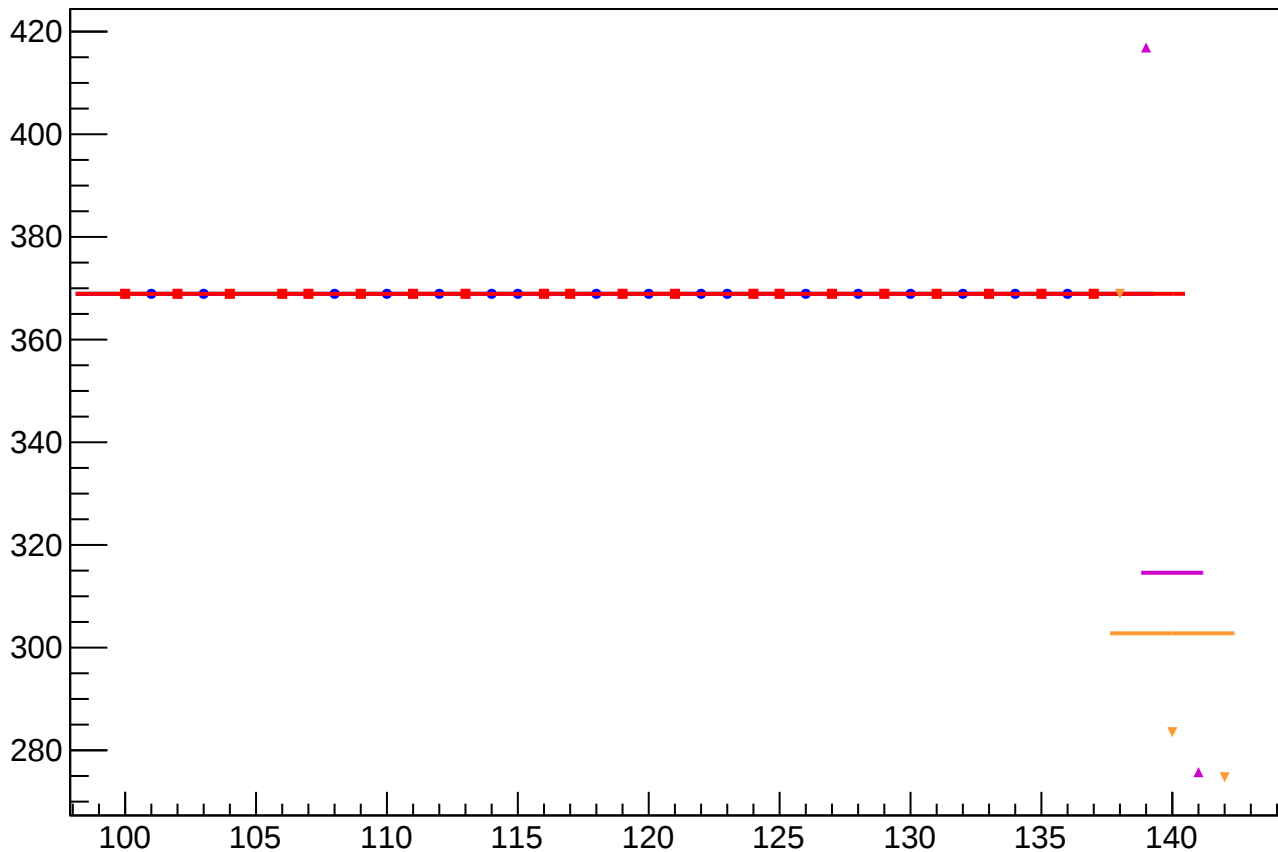
Left In: -165.054 $\pm$ 256.978 χ^2 /NDF:1.7/1

154.992 $\pm$ 95.421 χ^2 /NDF: 6.8/19

-3.364 $\pm$ 65.958 χ^2 /NDF: 13.8/41

-148.258 $\pm$ 91.275 χ^2 /NDF: 1.7/21

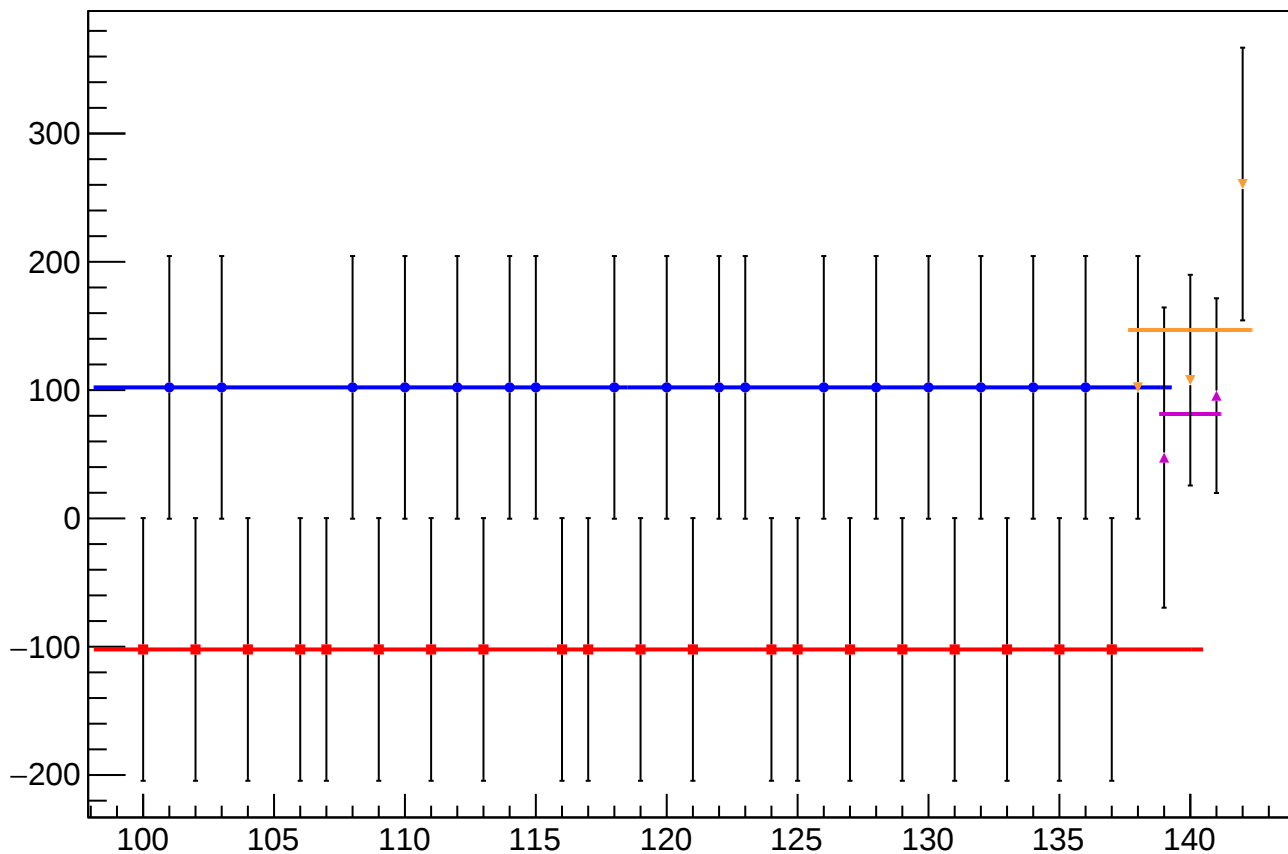
asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 368.918 $\pm$ 0.075 χ^2 /NDF: 0.0/16
 Left Out: 302.786 $\pm$ 0.156 χ^2 /NDF: 62018.9/2
 Right Out: 368.918 $\pm$ 0.069 χ^2 /NDF: 0.0/19
 Left In: 314.579 $\pm$ 0.182 χ^2 /NDF: 120356.7/1

356.471 $\pm$ 0.067 χ^2 /NDF: 208801.0/19
 359.391 $\pm$ 0.047 χ^2 /NDF: 410889.6/41
 362.063 $\pm$ 0.065 χ^2 /NDF: 198501.6/21

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

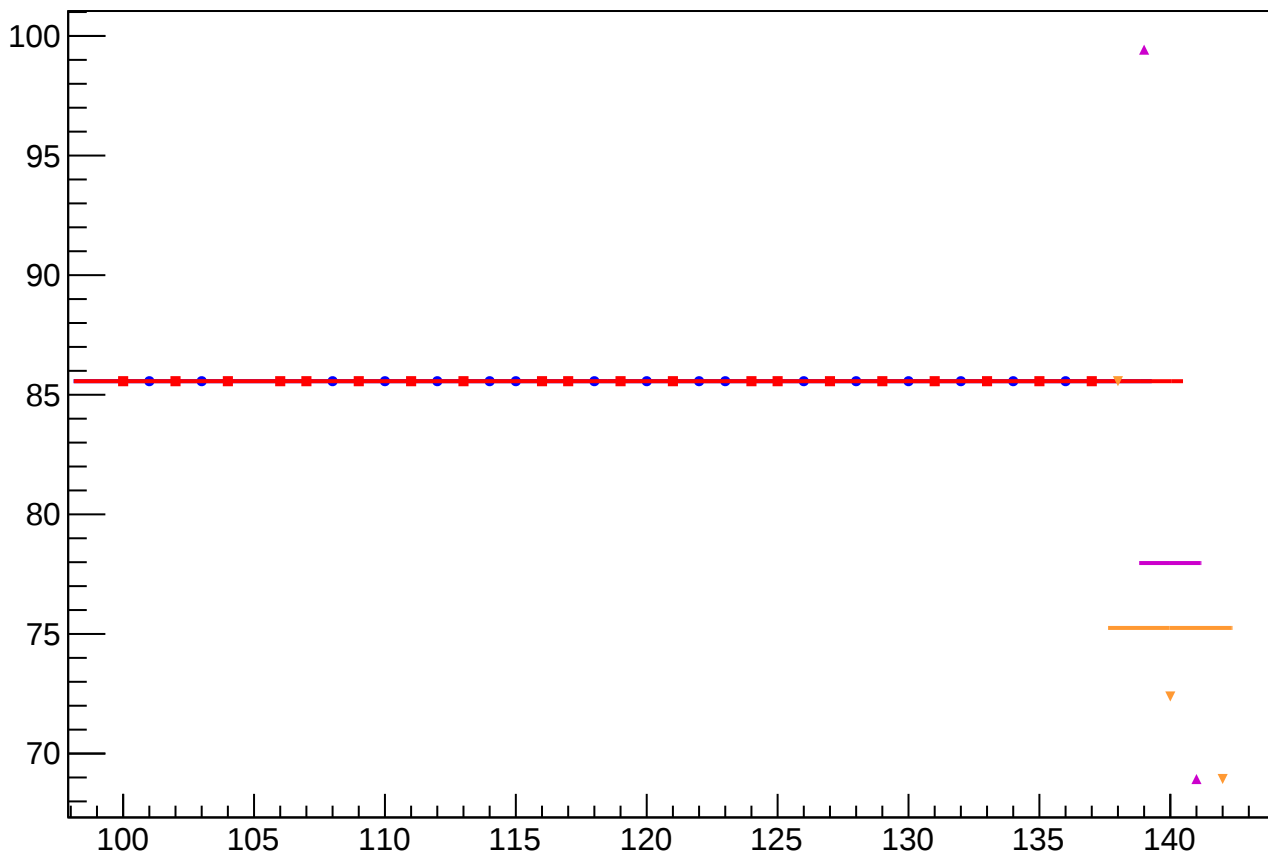
Left In: 81.398 $\pm$ 63.679 χ^2 /NDF:0.1/1

109.738 $\pm$ 22.621 χ^2 /NDF: 2.1/19

9.648 $\pm$ 15.600 χ^2 /NDF: 46.9/41

-81.125 $\pm$ 21.543 χ^2 /NDF: 7.5/21

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 85.567 $\pm$ 0.018 χ^2 /NDF: 0.0/16

Left Out: 75.252 $\pm$ 0.039 χ^2 /NDF: 29799.7/2

Right Out: 85.567 $\pm$ 0.016 χ^2 /NDF: 0.0/19

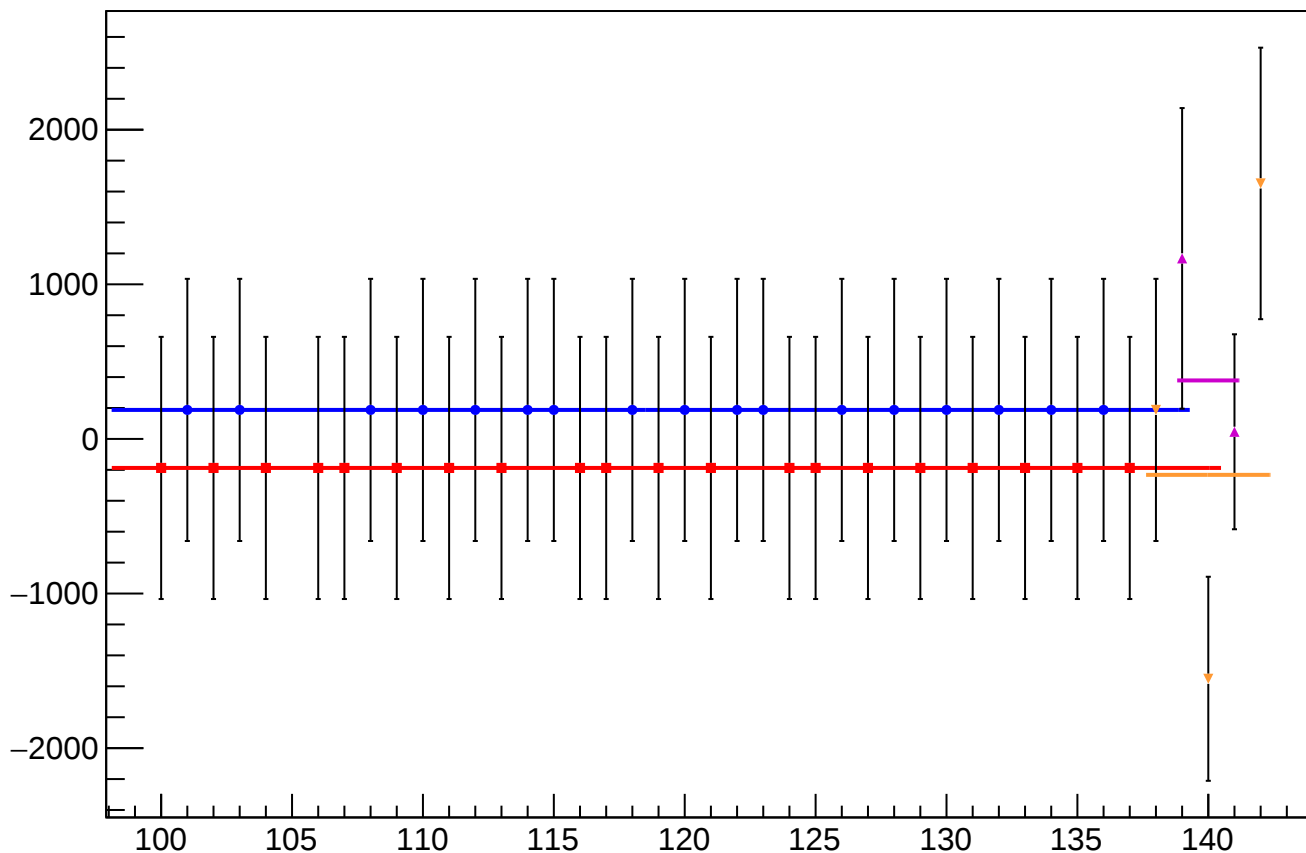
Left In: 77.965 $\pm$ 0.045 χ^2 /NDF: 95585.5/1

83.813 $\pm$ 0.016 χ^2 /NDF: 88480.5/19

84.276 $\pm$ 0.011 χ^2 /NDF: 210908.0/41

84.697 $\pm$ 0.015 χ^2 /NDF: 120826.8/21

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

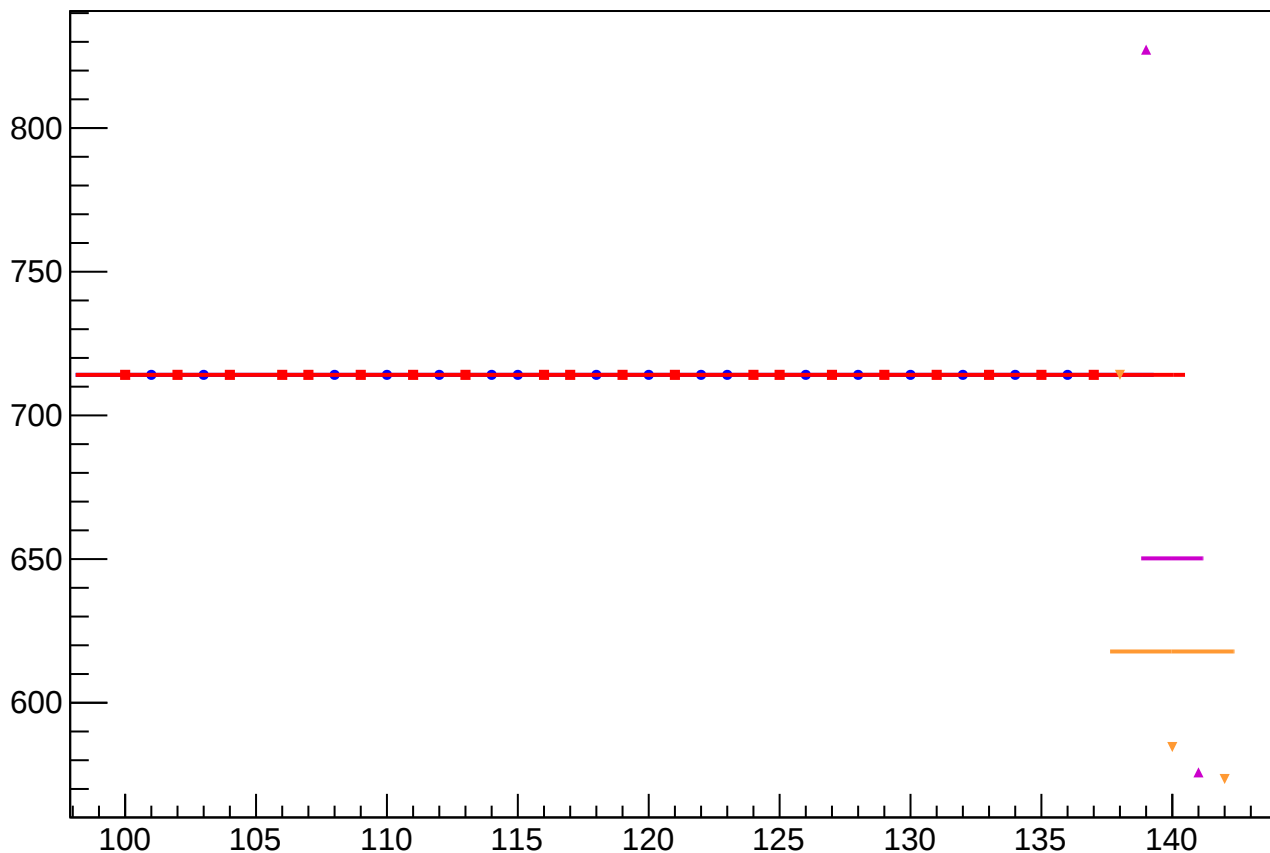
Left In: 378.330 $\pm$ 529.028 χ^2 /NDF: 0.9/1

114.518 $\pm$ 186.877 χ^2 /NDF: 9.6/19

-9.823 $\pm$ 129.067 χ^2 /NDF: 12.4/41

-123.225 $\pm$ 178.469 χ^2 /NDF: 2.0/21

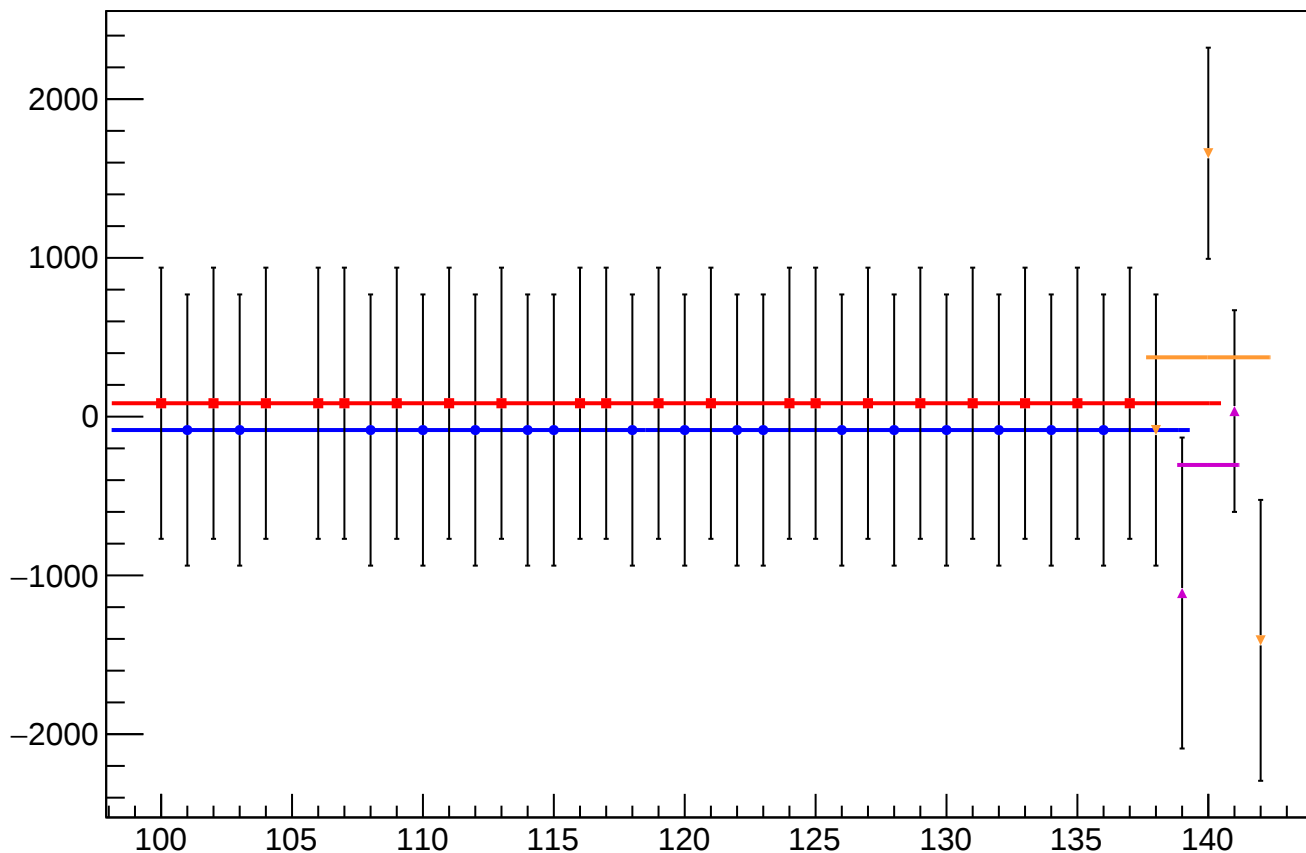
asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 714.113 $\pm$ 0.145 χ^2 /NDF: 0.0/16
 Left Out: 617.844 $\pm$ 0.317 χ^2 /NDF:35972.5/2
 Right Out: 714.113 $\pm$ 0.134 χ^2 /NDF: 0.0/19
 Left In: 650.247 $\pm$ 0.374 χ^2 /NDF:94210.7/1

697.354 $\pm$ 0.132 χ^2 /NDF: 112281.0/19
 702.317 $\pm$ 0.091 χ^2 /NDF: 235019.9/41
 706.844 $\pm$ 0.126 χ^2 /NDF: 120041.2/21

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

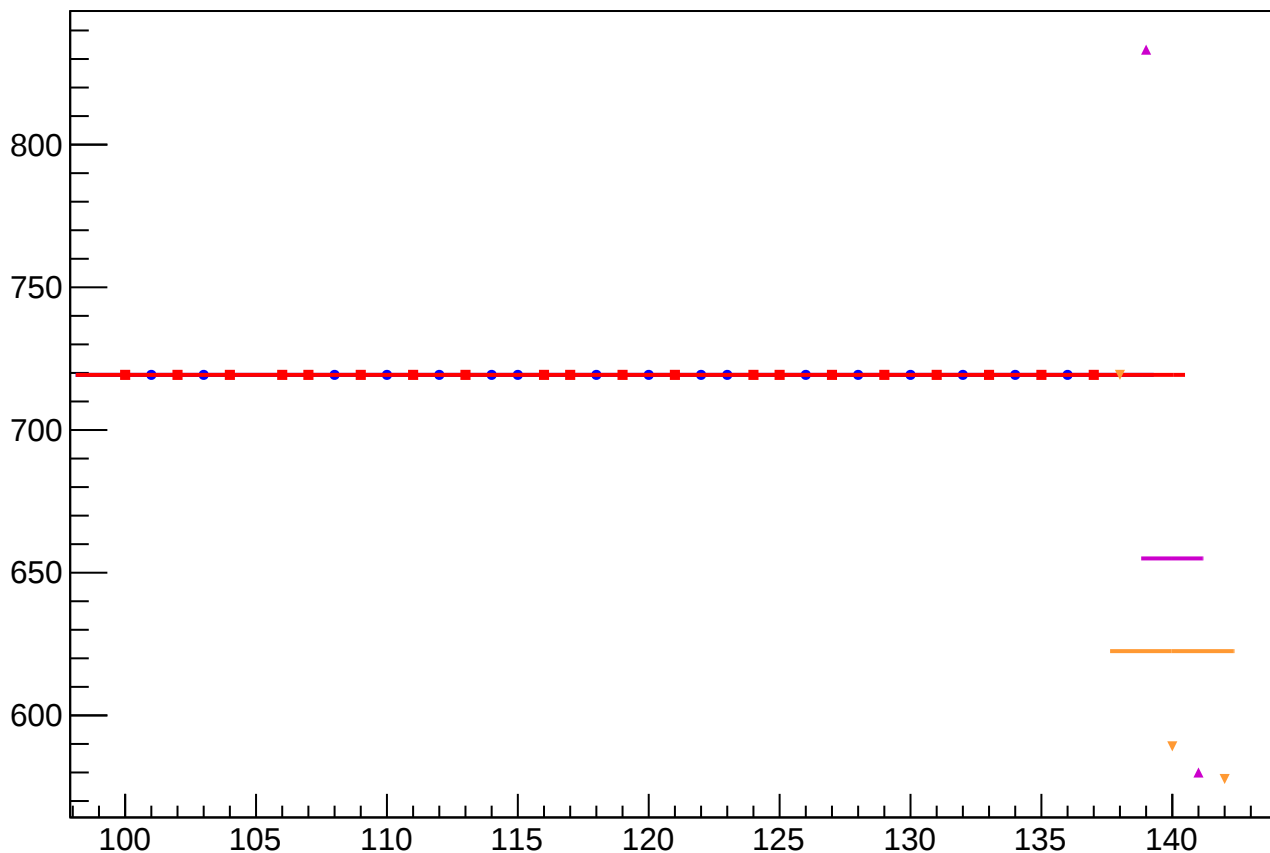
Left In: -304.294 ± 532.908 χ^2/NDF : 1.0/1

-4.676 ± 188.265 χ^2/NDF : 8.9/19

18.768 ± 130.022 χ^2/NDF : 10.4/41

40.148 ± 179.785 χ^2/NDF : 1.4/21

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 719.321+/-0.146 χ^2/NDF : 0.0/16

Left Out: 622.521+/-0.319 χ^2/NDF : 35855.7/2

Right Out: 719.321+/-0.135 χ^2/NDF : 0.0/19

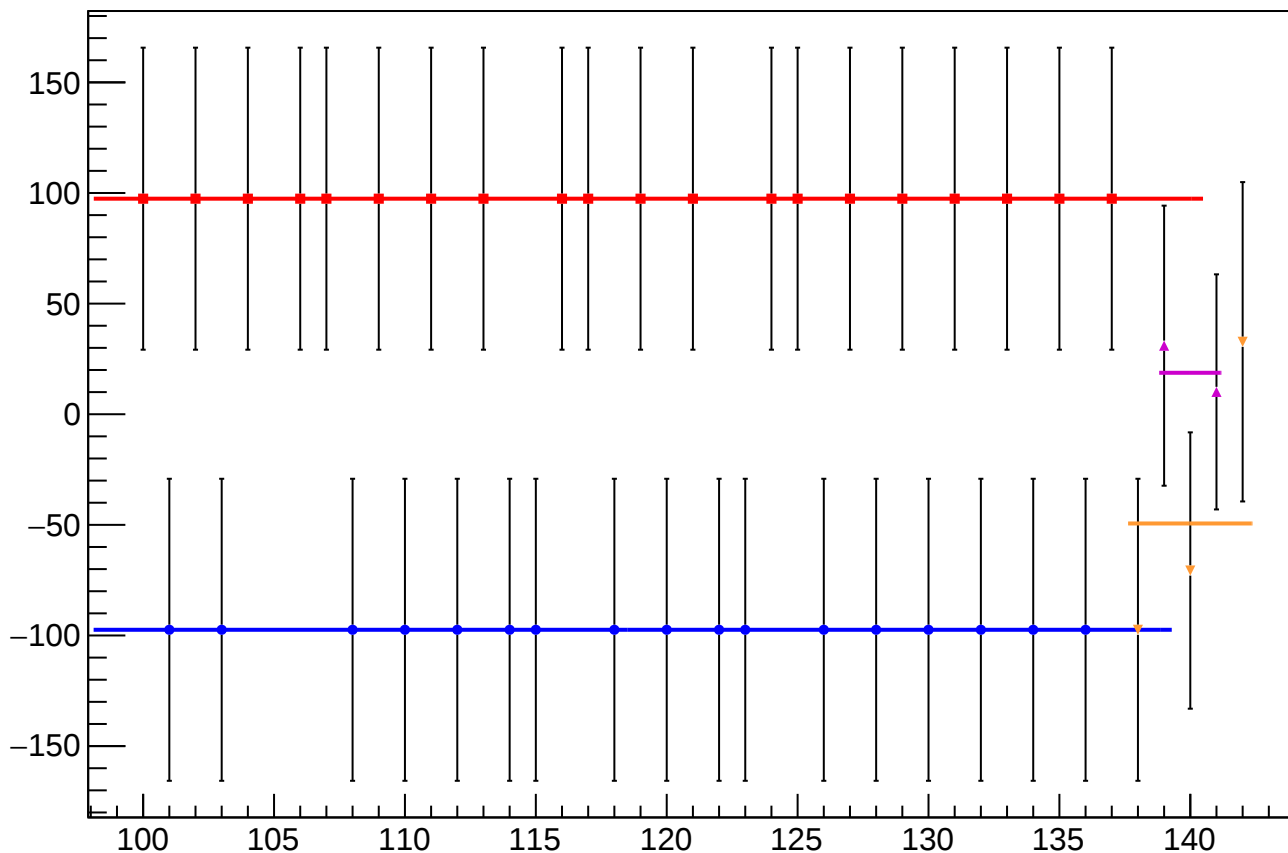
Left In: 655.002+/-0.377 χ^2/NDF : 94169.5/1

702.476+/-0.133 χ^2/NDF : 111852.4/19

707.457+/-0.092 χ^2/NDF : 234517.2/41

712.000+/-0.127 χ^2/NDF : 119987.8/21

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -97.426 ± 16.555 χ^2/NDF : 0.0/16

Left Out: -49.377 ± 38.836 χ^2/NDF : 1.9/2

Right Out: 97.426 ± 15.263 χ^2/NDF : 0.0/19

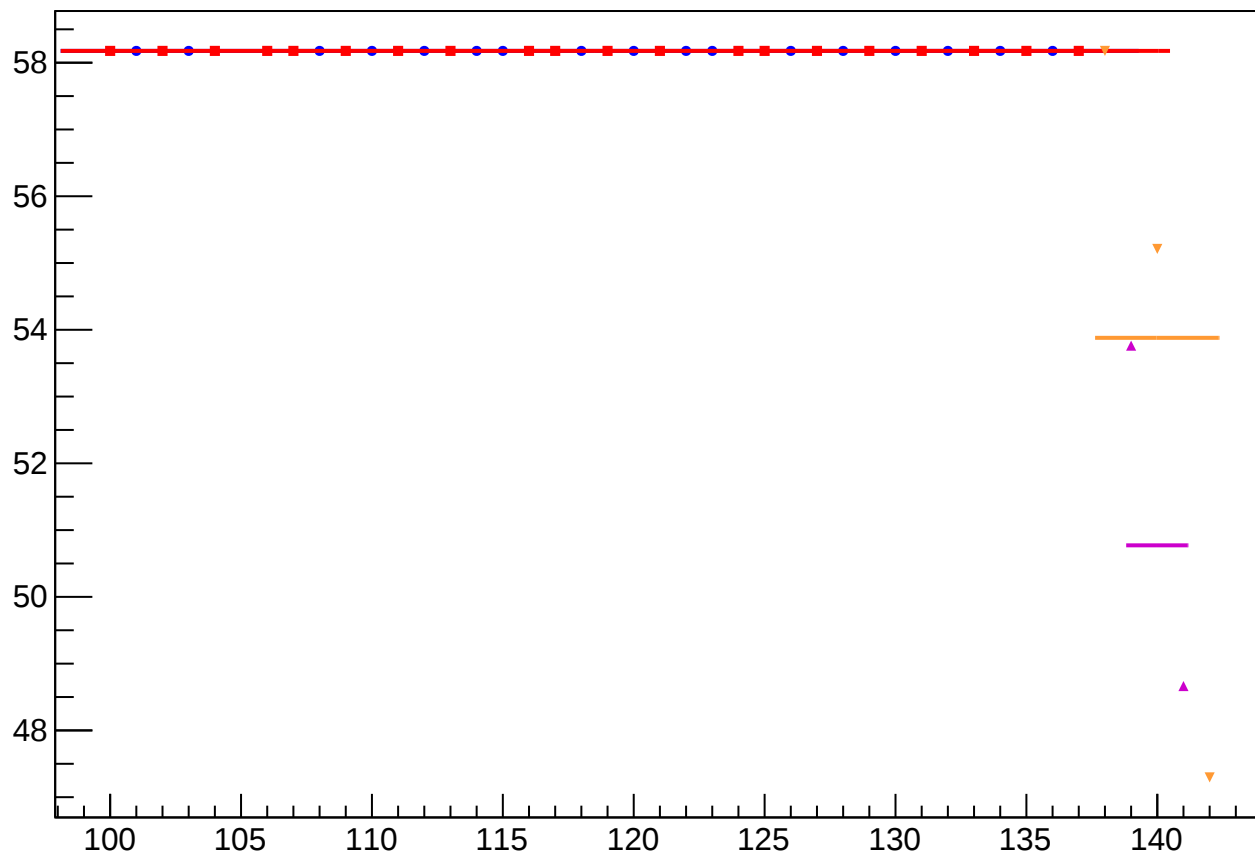
Left In: 18.734 ± 40.694 χ^2/NDF : 0.1/1

-90.038 ± 15.229 χ^2/NDF : 3.2/19

4.486 ± 10.421 χ^2/NDF : 79.0/41

87.722 ± 14.291 χ^2/NDF : 3.3/21

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

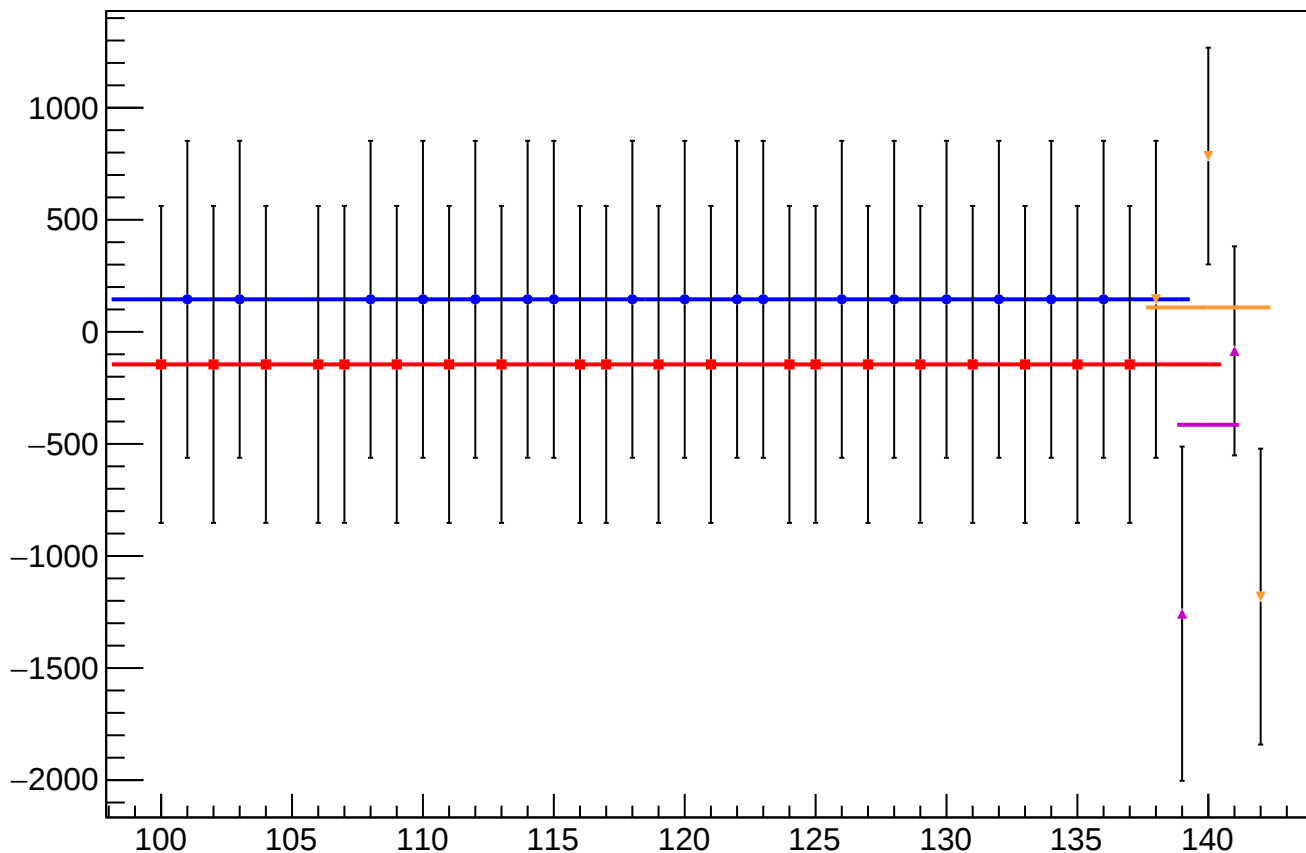
Left In: 50.772+/-0.029 χ^2/NDF : 7612.0/1

57.516+/-0.011 χ^2/NDF : 46198.9/19

57.382+/-0.007 χ^2/NDF : 112160.8/41

57.264+/-0.010 χ^2/NDF : 65669.8/21

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 145.219 $\pm$ 171.503 χ^2 /NDF: 0.0/16

Left Out: 108.948 $\pm$ 341.565 χ^2 /NDF: 5.8/2

Right Out: -145.219 $\pm$ 158.118 χ^2 /NDF: 0.0/19

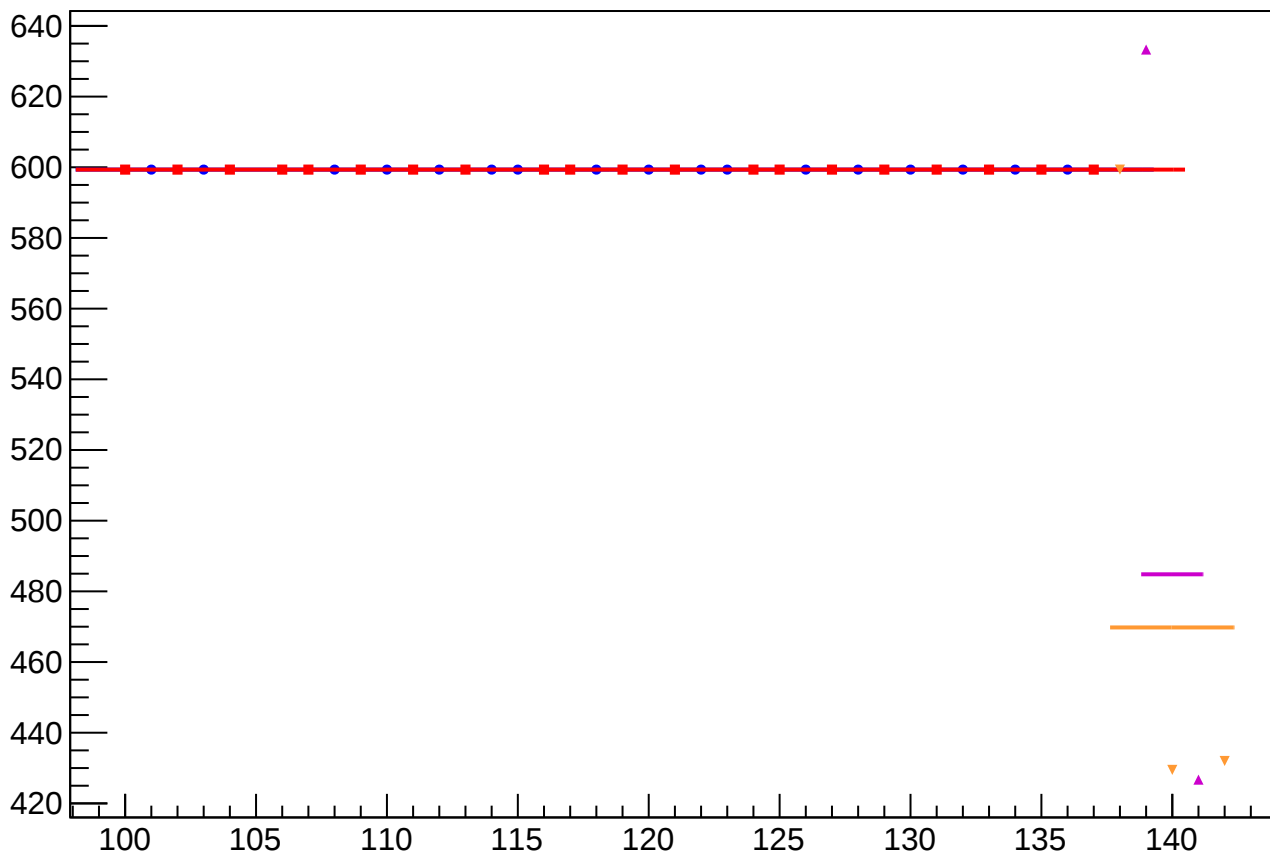
Left In: -414.522 $\pm$ 395.416 χ^2 /NDF: 1.8/1

137.916 $\pm$ 153.268 χ^2 /NDF: 5.8/19

-29.098 $\pm$ 106.022 χ^2 /NDF: 10.2/41

-182.345 $\pm$ 146.815 χ^2 /NDF: 2.2/21

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

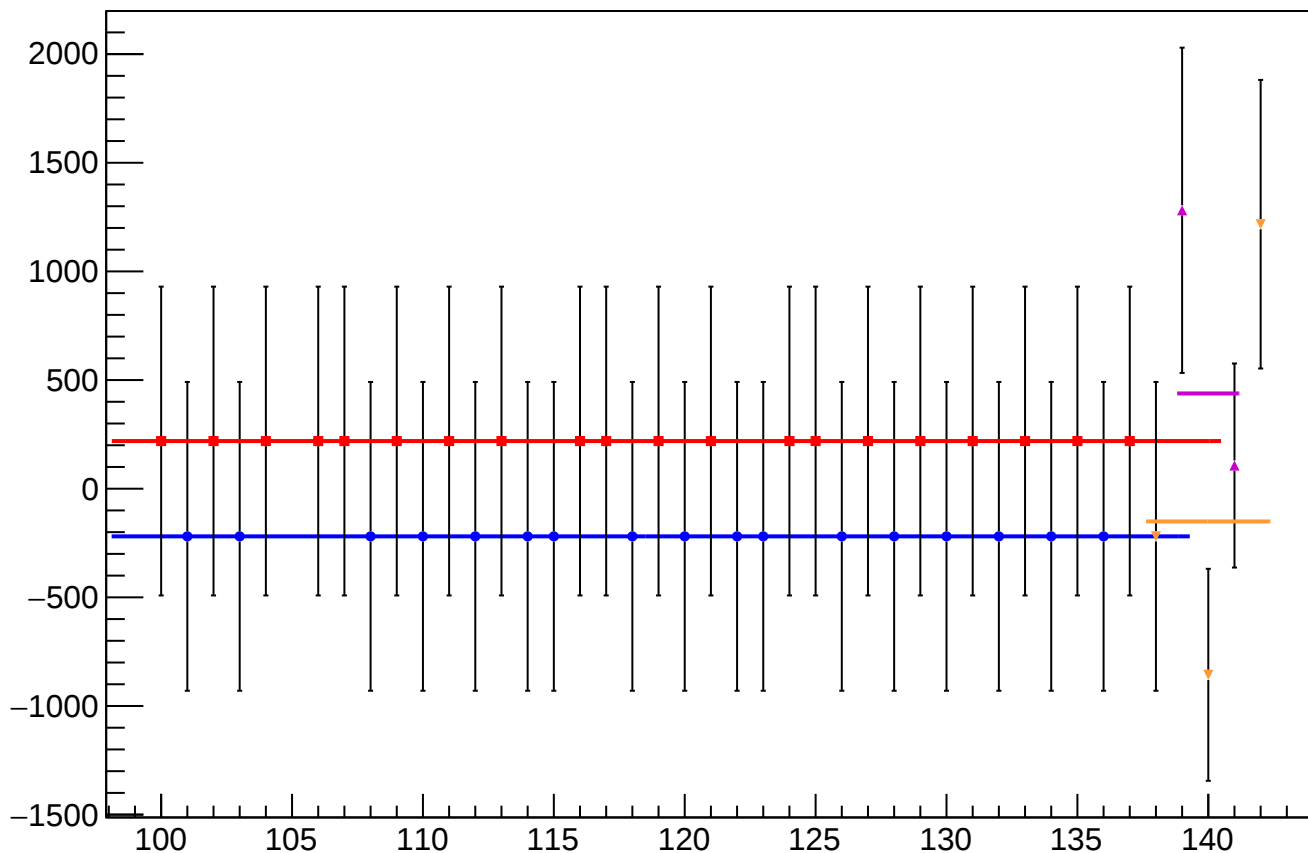
Left In: 484.823 $\pm$ 0.280 χ^2 /NDF: 110358.1/1

573.254 $\pm$ 0.108 χ^2 /NDF: 317374.4/19

578.625 $\pm$ 0.075 χ^2 /NDF: 577064.2/41

583.553 $\pm$ 0.104 χ^2 /NDF: 254980.8/21

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

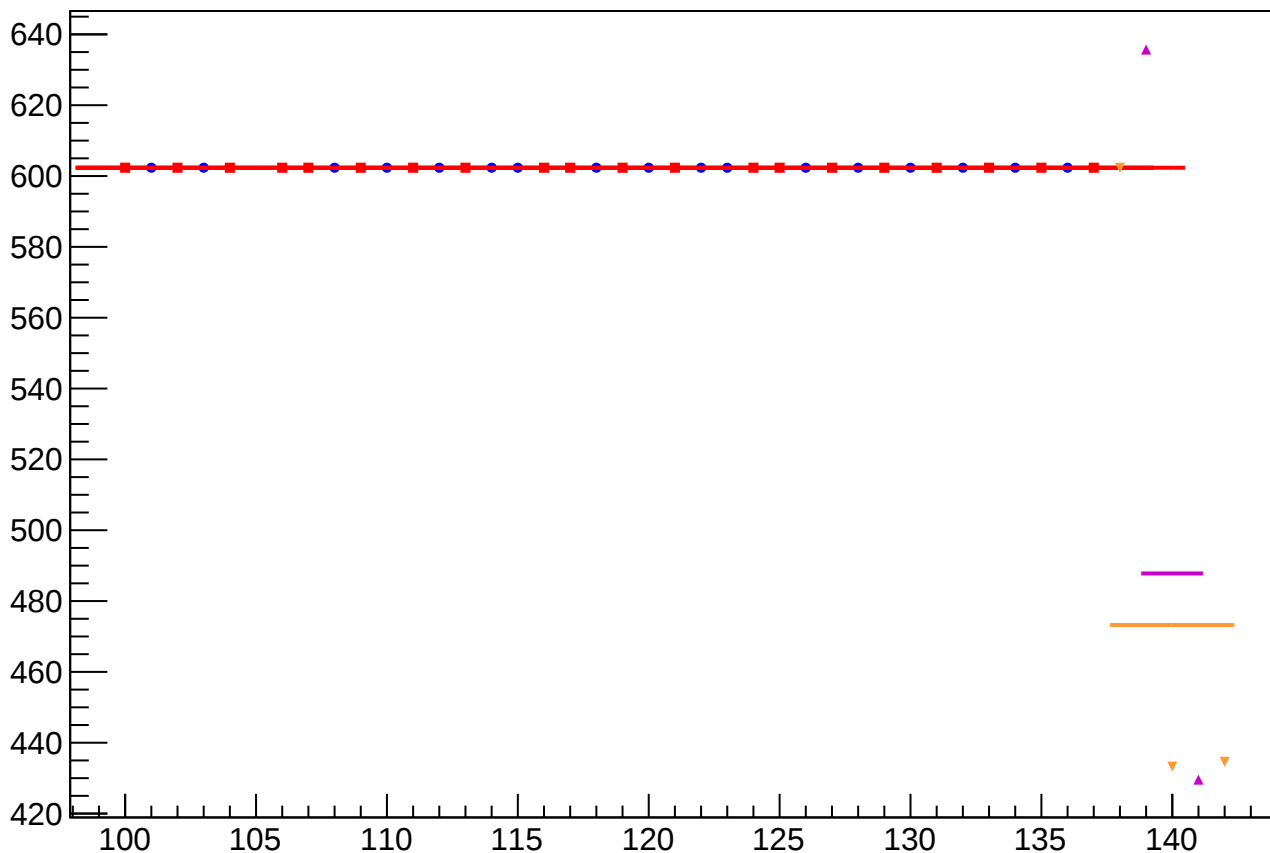
Left In: 438.353+/-397.722 χ^2/NDF : 1.8/1

-205.546+/-154.087 χ^2/NDF : 6.4/19

31.809+/-106.571 χ^2/NDF : 13.0/41

249.463+/-147.554 χ^2/NDF : 2.0/21

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 602.349 $\pm$ 0.122 χ^2 /NDF: 0.0/16

Left Out: 473.243 $\pm$ 0.243 χ^2 /NDF: 86233.6/2

Right Out: 602.349 $\pm$ 0.112 χ^2 /NDF: 0.0/19

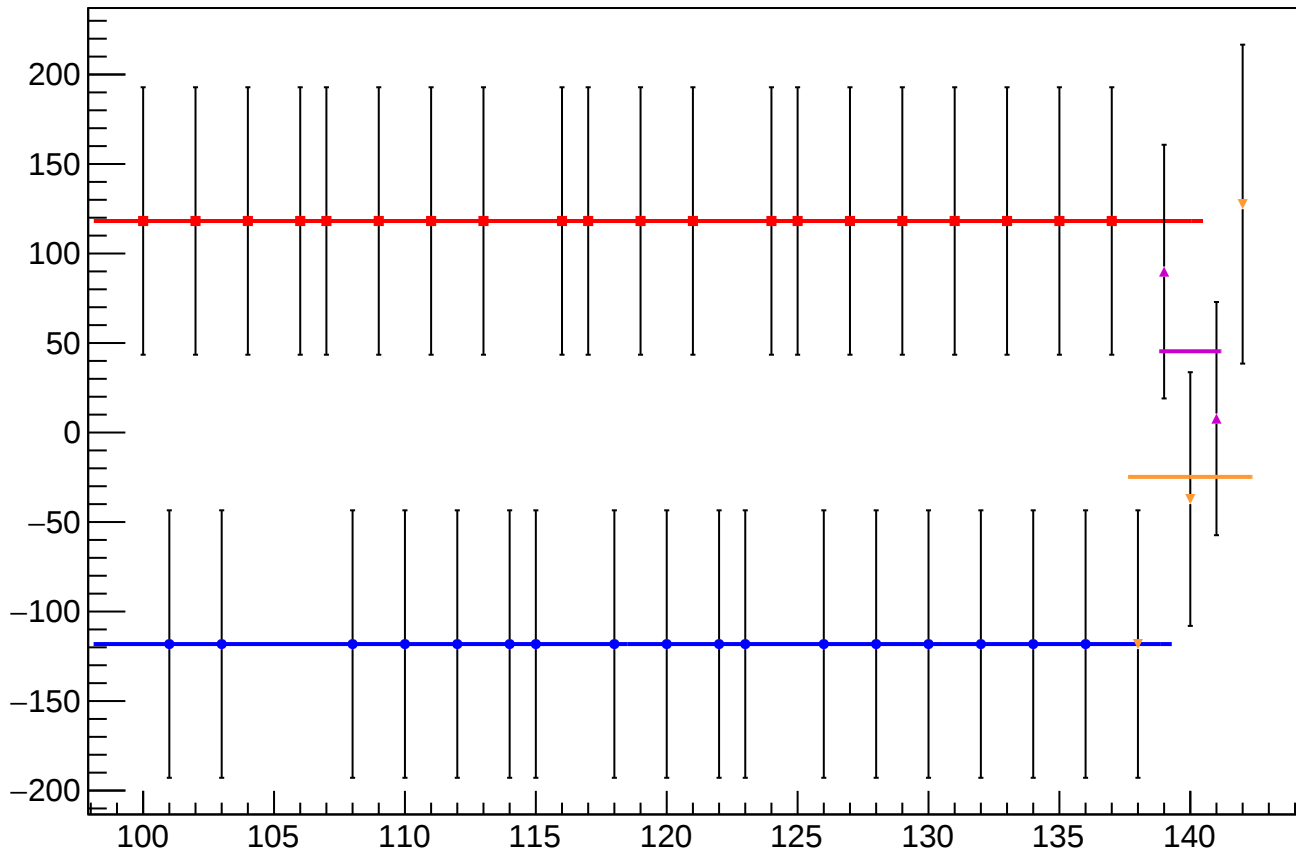
Left In: 487.795 $\pm$ 0.281 χ^2 /NDF: 108867.0/1

576.444 $\pm$ 0.109 χ^2 /NDF: 311427.2/19

581.732 $\pm$ 0.075 χ^2 /NDF: 567890.1/41

586.581 $\pm$ 0.104 χ^2 /NDF: 251947.2/21

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -118.166 $\pm$ 18.119 χ^2 /NDF: 0.0/16

Left Out: -24.776 $\pm$ 44.528 χ^2 /NDF:4.5/2

Right Out: 118.166 $\pm$ 16.705 χ^2 /NDF: 0.0/19

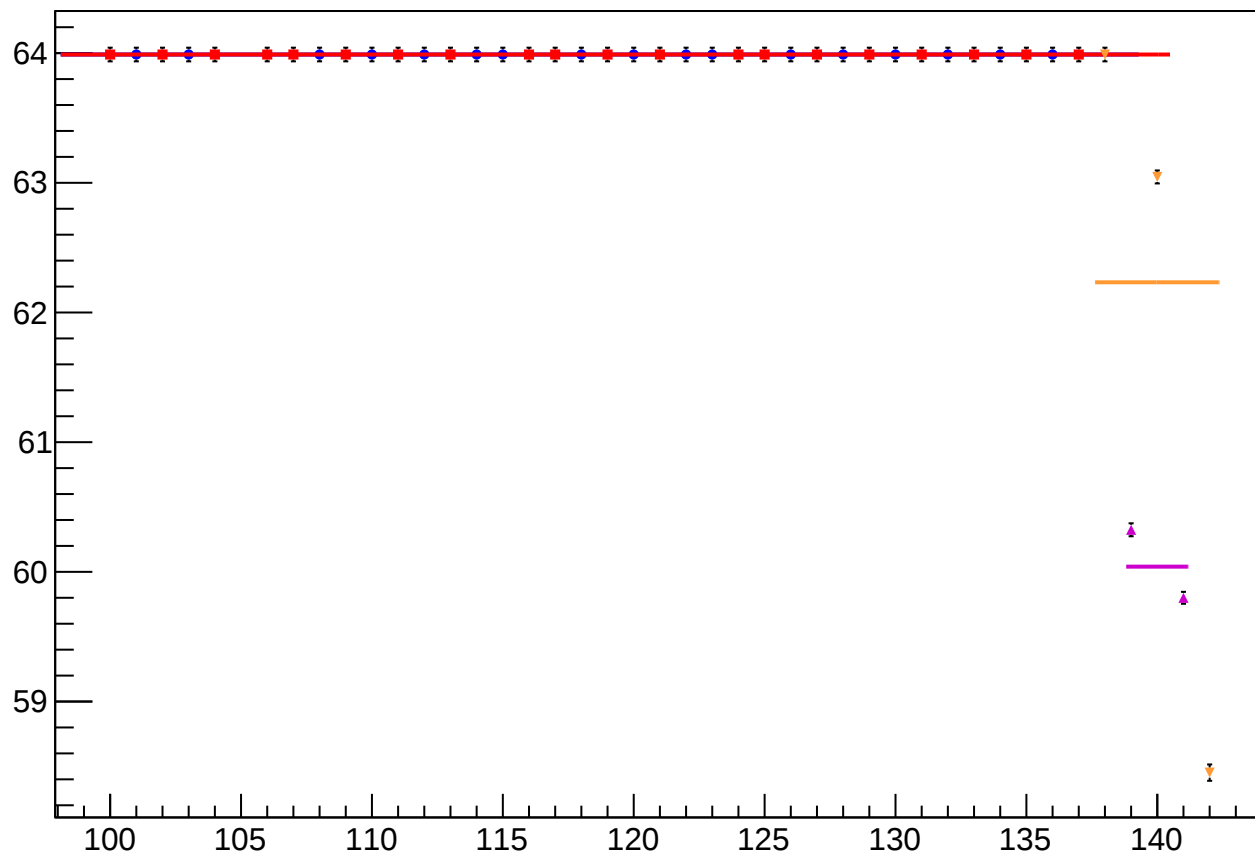
Left In: 45.395 $\pm$ 47.954 χ^2 /NDF:0.7/1

-104.899 $\pm$ 16.783 χ^2 /NDF: 8.3/19

9.349 $\pm$ 11.495 χ^2 /NDF: 98.4/41

110.291 $\pm$ 15.775 χ^2 /NDF: 2.8/21

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 63.989+/-0.013 χ^2/NDF : 0.0/16

Left Out: 62.233+/-0.031 χ^2/NDF : 4971.8/2

Right Out: 63.989+/-0.012 χ^2/NDF : 0.0/19

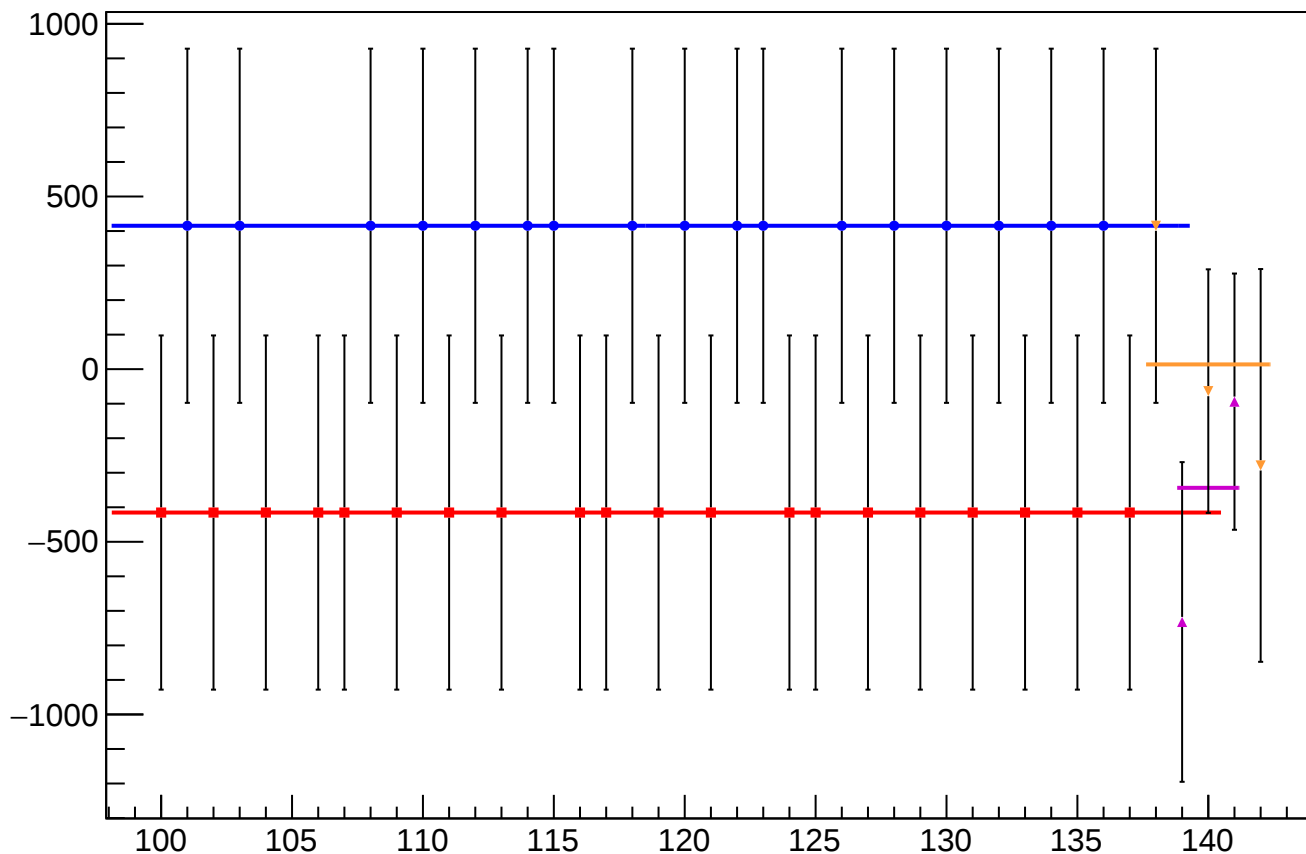
Left In: 60.040+/-0.034 χ^2/NDF : 59.4/1

63.740+/-0.012 χ^2/NDF : 7641.5/19

63.645+/-0.008 χ^2/NDF : 19916.6/41

63.562+/-0.011 χ^2/NDF : 12155.8/21

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

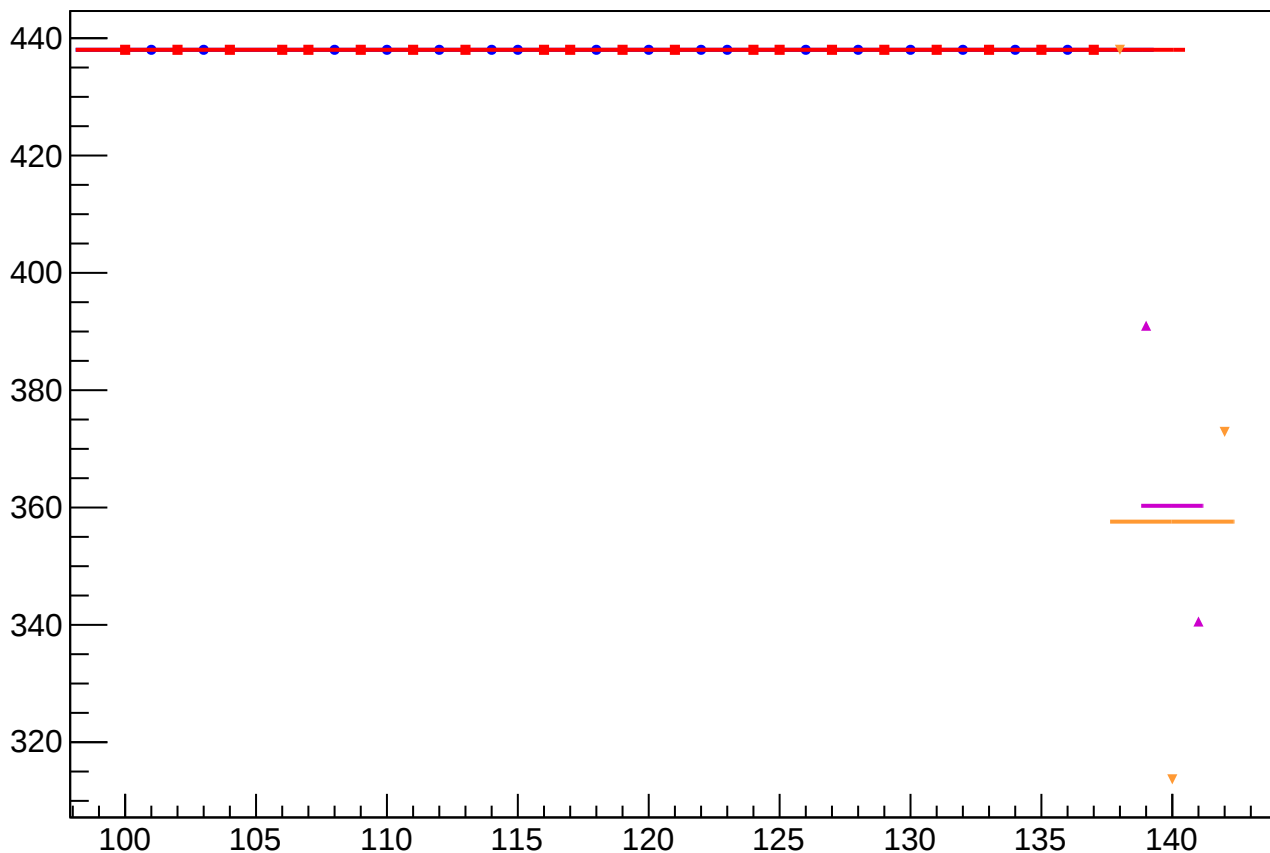
Left In: -343.714 $\pm$ 289.511 χ^2 /NDF: 1.2/1

339.912 $\pm$ 112.112 χ^2 /NDF: 2.9/19

-51.524 $\pm$ 77.261 χ^2 /NDF: 27.3/41

-405.557 $\pm$ 106.621 χ^2 /NDF: 1.2/21

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

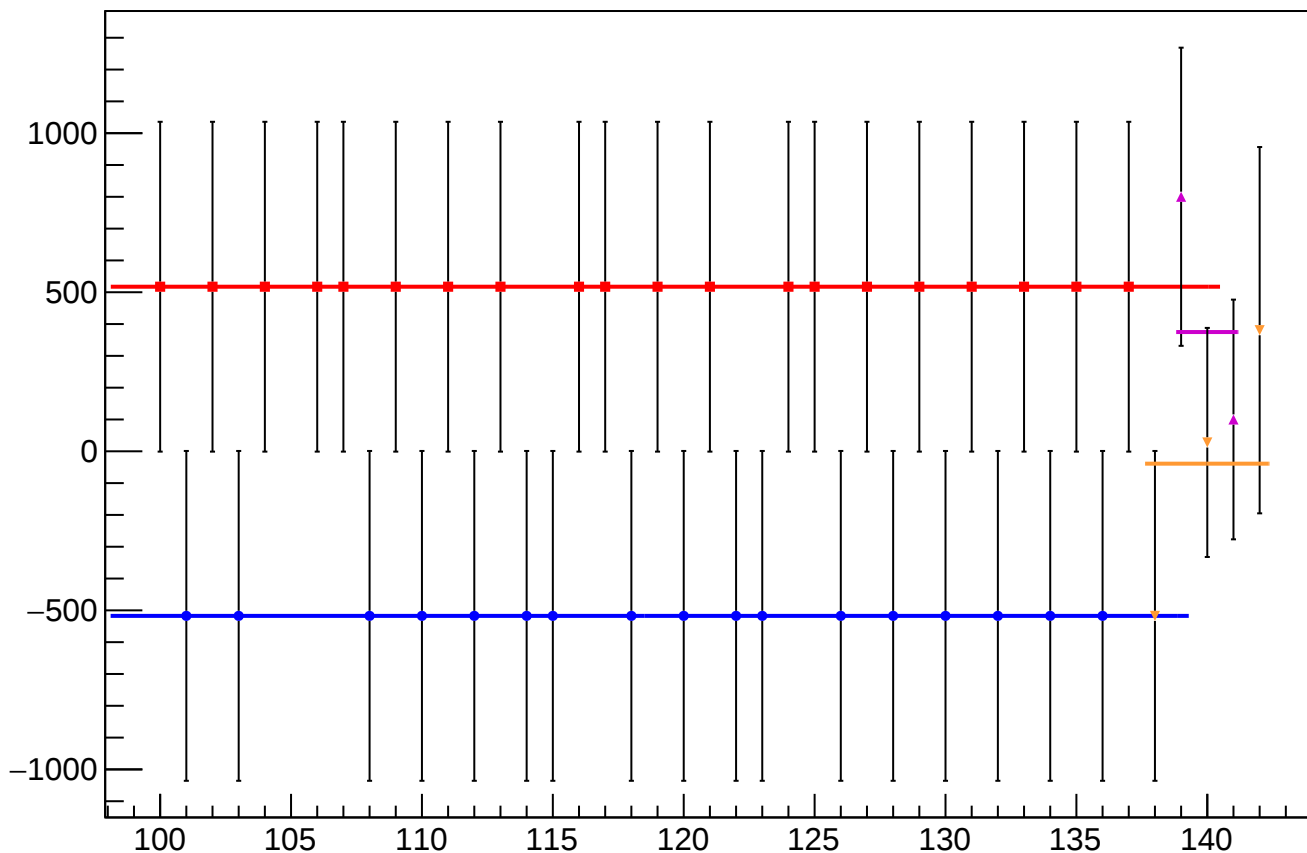
Left In: 360.295 $\pm$ 0.205 χ^2 /NDF: 14445.9/1

422.929 $\pm$ 0.079 χ^2 /NDF: 238548.2/19

425.318 $\pm$ 0.055 χ^2 /NDF: 379331.5/41

427.480 $\pm$ 0.075 χ^2 /NDF: 139052.9/21

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

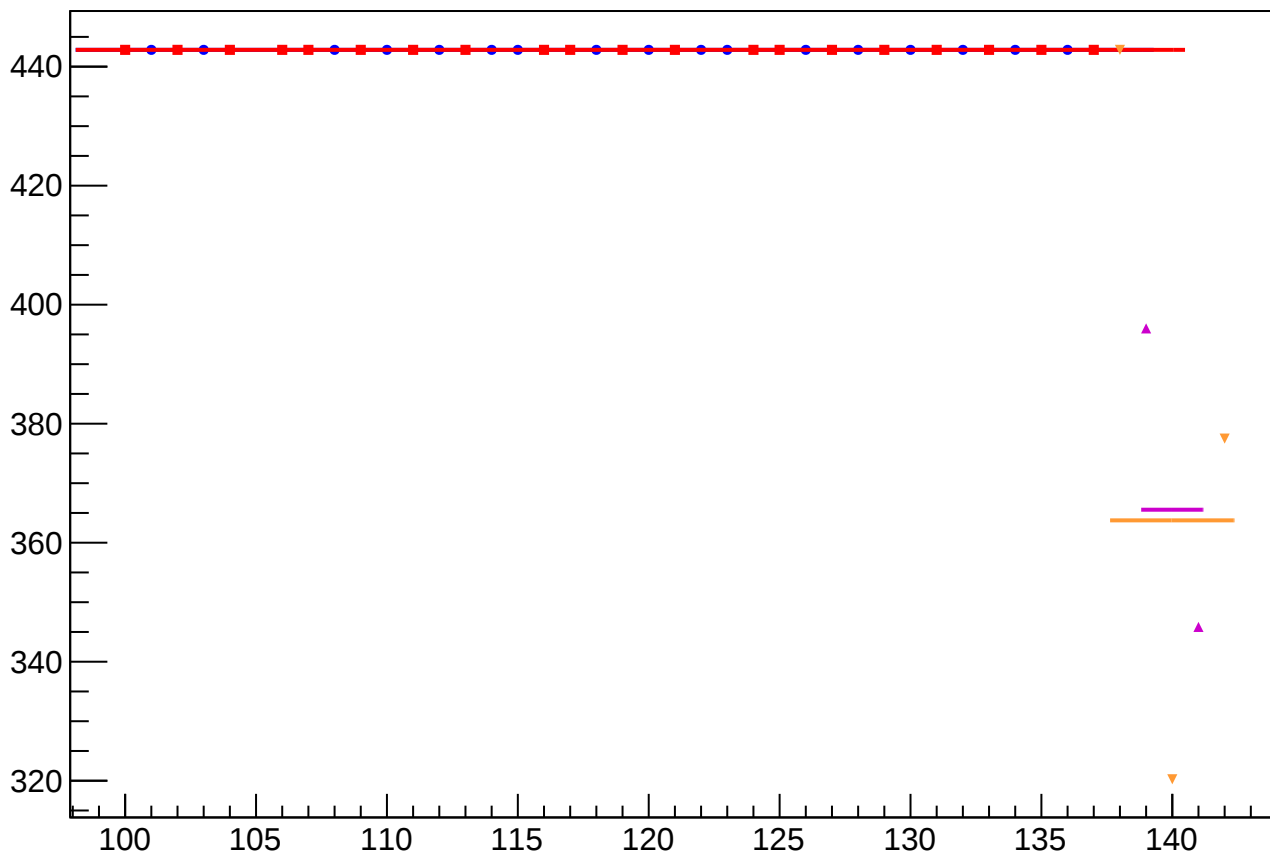
Left In: 374.877+/-293.642 χ^2/NDF : 1.4/1

-428.386+/-113.443 χ^2/NDF : 4.1/19

58.398+/-78.154 χ^2/NDF : 40.7/41

498.161+/-107.825 χ^2/NDF : 1.6/21

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

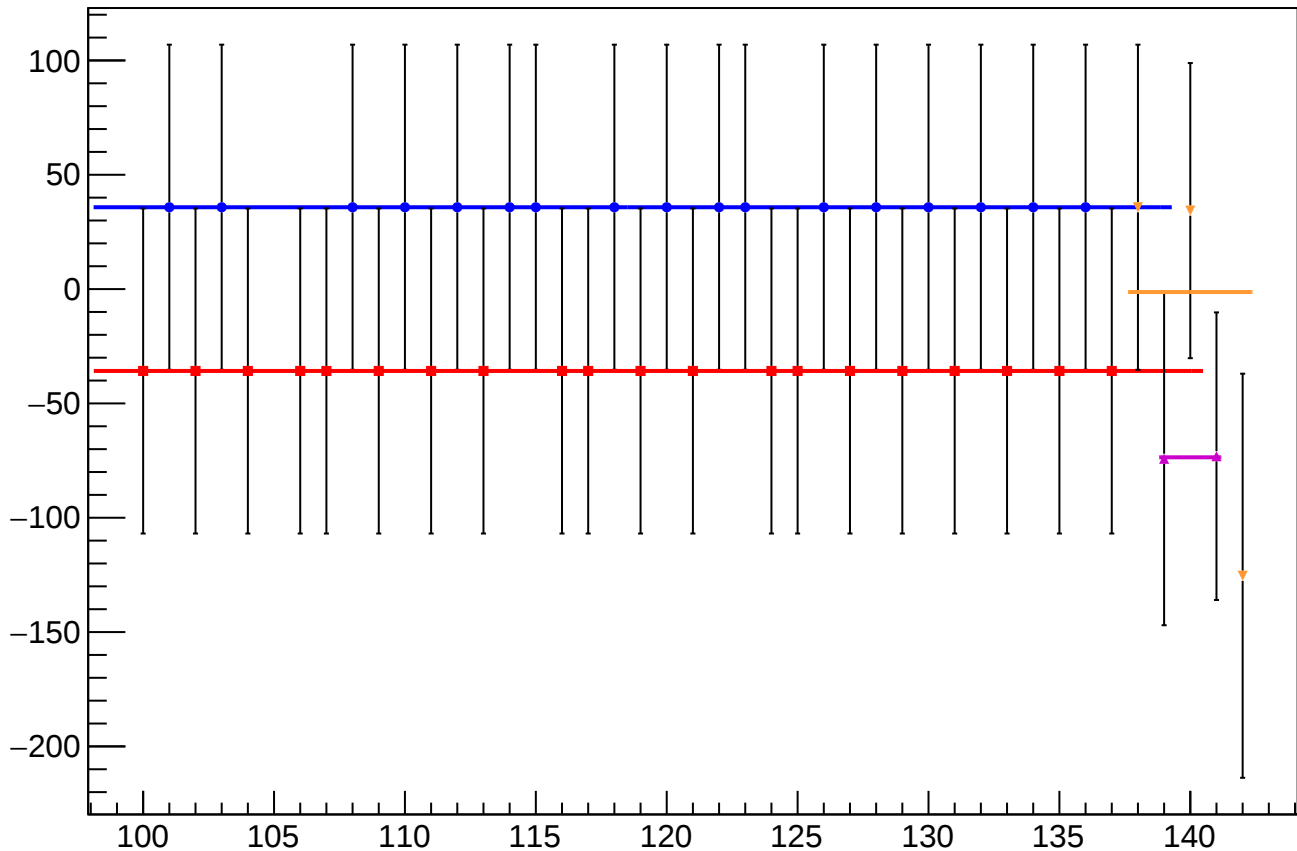
Left In: 365.543 $\pm$ 0.208 χ^2 /NDF: 13919.0/1

428.117 $\pm$ 0.080 χ^2 /NDF: 223957.3/19

430.368 $\pm$ 0.055 χ^2 /NDF: 359219.4/41

432.402 $\pm$ 0.076 χ^2 /NDF: 133762.8/21

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 35.799 $\pm$ 17.244 χ^2 /NDF: 0.0/16

Left Out: -1.293 $\pm$ 42.034 χ^2 /NDF: 2.5/2

Right Out: -35.799 $\pm$ 15.898 χ^2 /NDF: 0.0/19

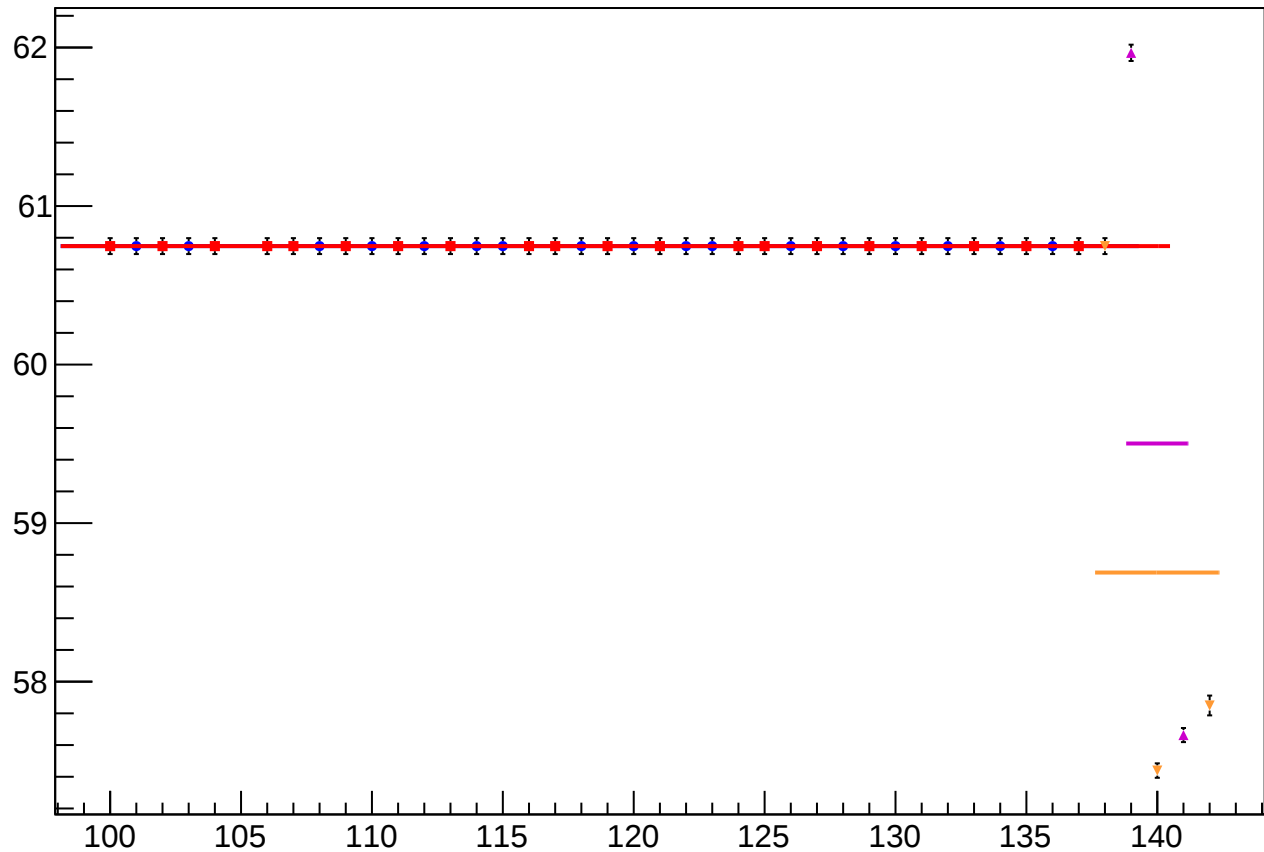
Left In: -73.567 $\pm$ 47.586 χ^2 /NDF: 0.0/1

30.456 $\pm$ 15.954 χ^2 /NDF: 3.2/19

-6.541 $\pm$ 10.959 χ^2 /NDF: 14.0/41

-39.592 $\pm$ 15.079 χ^2 /NDF: 0.6/21

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

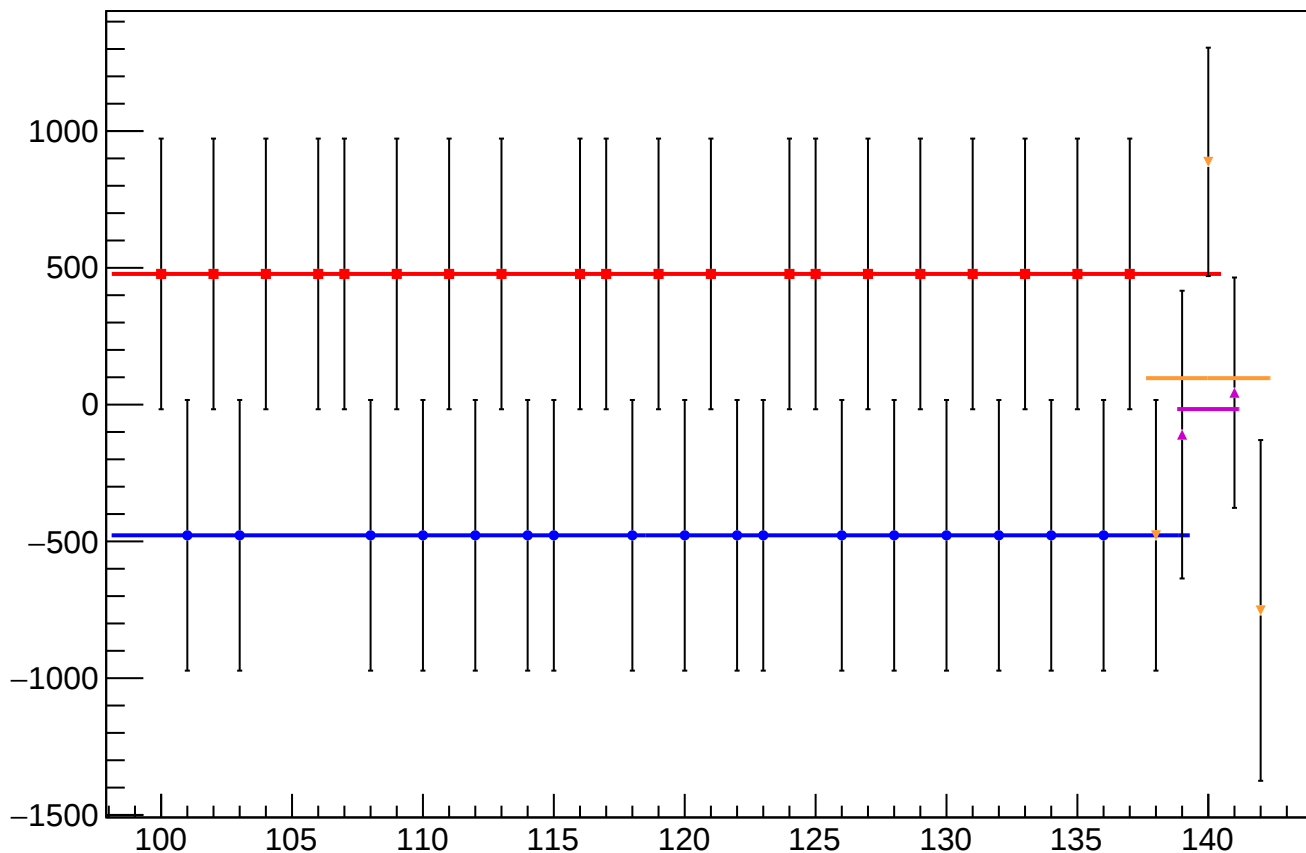
Left In: 59.502 $\pm$ 0.034 χ^2 /NDF:4002.8/1

60.451 $\pm$ 0.011 χ^2 /NDF: 6714.7/19

60.541 $\pm$ 0.008 χ^2 /NDF: 12071.6/41

60.622 $\pm$ 0.011 χ^2 /NDF: 5234.7/21

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

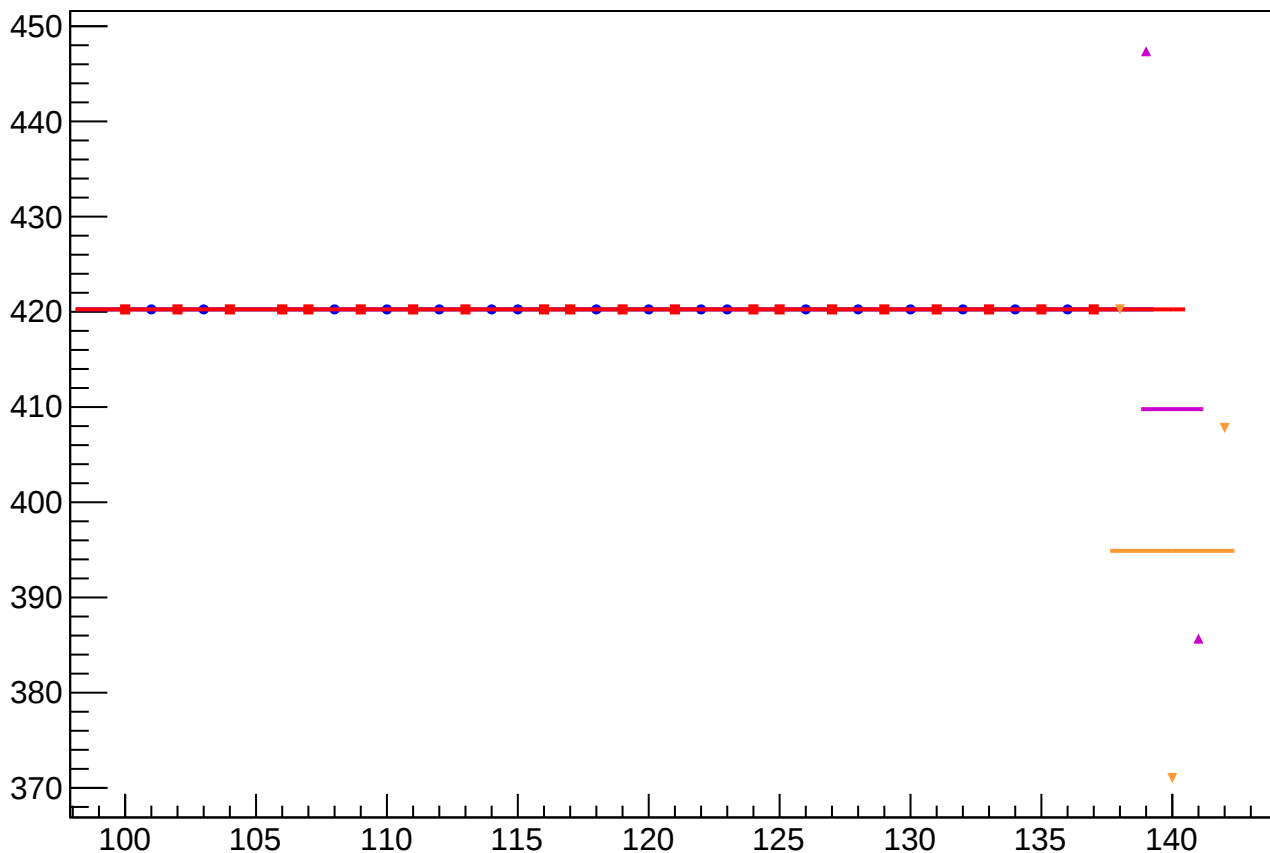
Left In: -16.240+/-328.688 χ^2/NDF : 0.1/1

-390.717+/-110.522 χ^2/NDF : 10.3/19

39.958+/-76.063 χ^2/NDF : 41.2/41

427.498+/-104.841 χ^2/NDF : 2.1/21

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

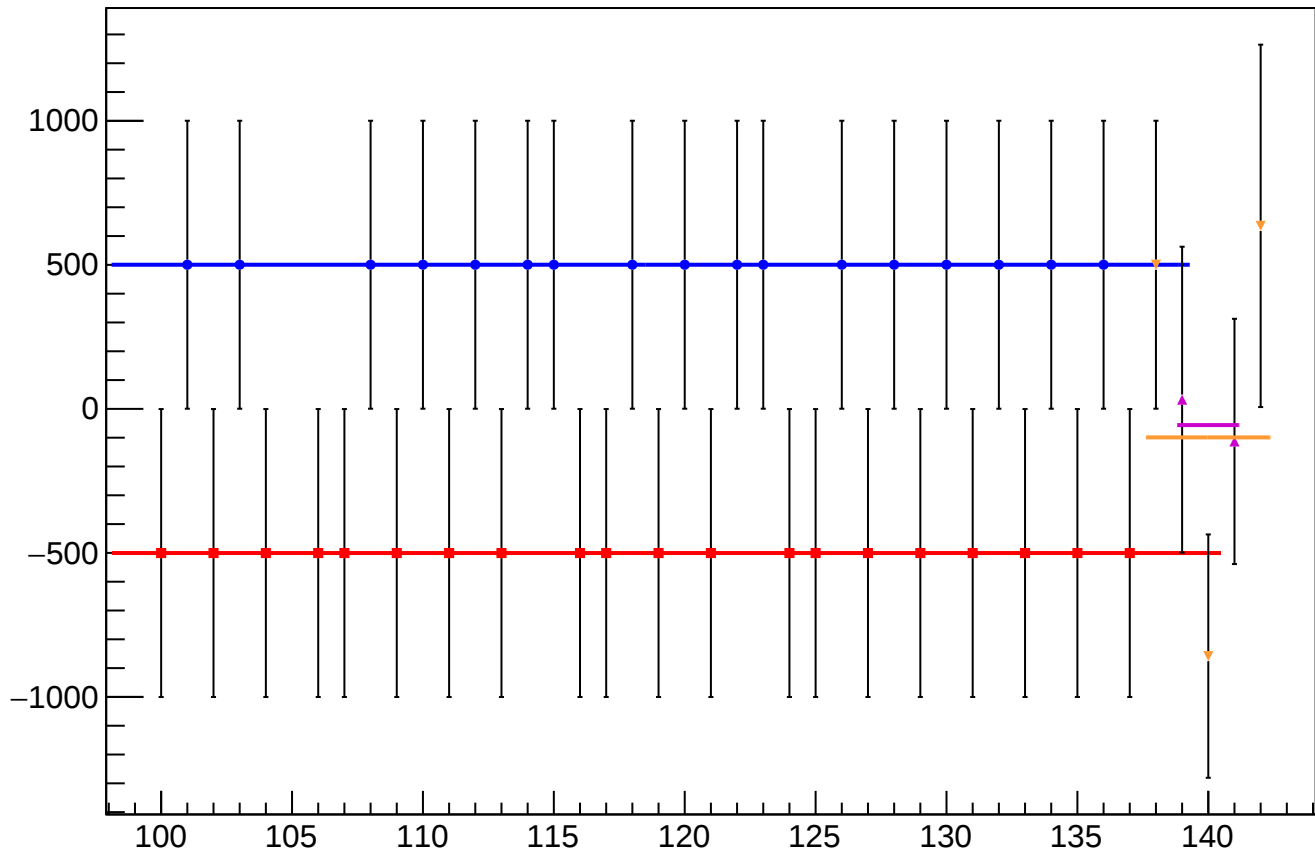
Left In: 409.780 $\pm$ 0.232 χ^2 /NDF:16769.7/1

416.415 $\pm$ 0.078 χ^2 /NDF: 26180.5/19

417.876 $\pm$ 0.054 χ^2 /NDF: 45439.4/41

419.191 $\pm$ 0.074 χ^2 /NDF: 18594.8/21

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

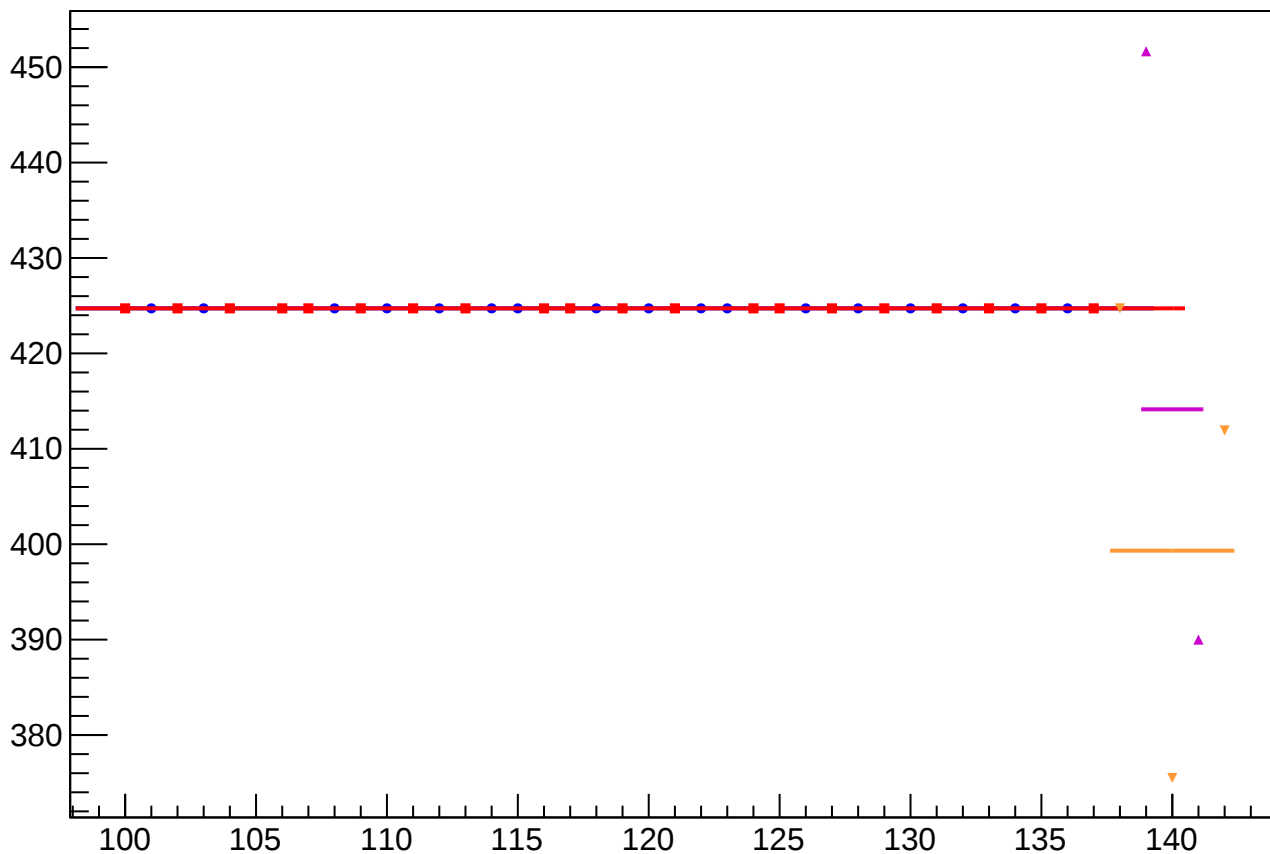
Left In: -56.239 $\pm$ 332.154 χ^2 /NDF:0.0/1

409.726 $\pm$ 111.688 χ^2 /NDF: 9.7/19

-45.604 $\pm$ 76.862 χ^2 /NDF: 43.0/41

-455.261 $\pm$ 105.938 χ^2 /NDF: 1.7/21

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

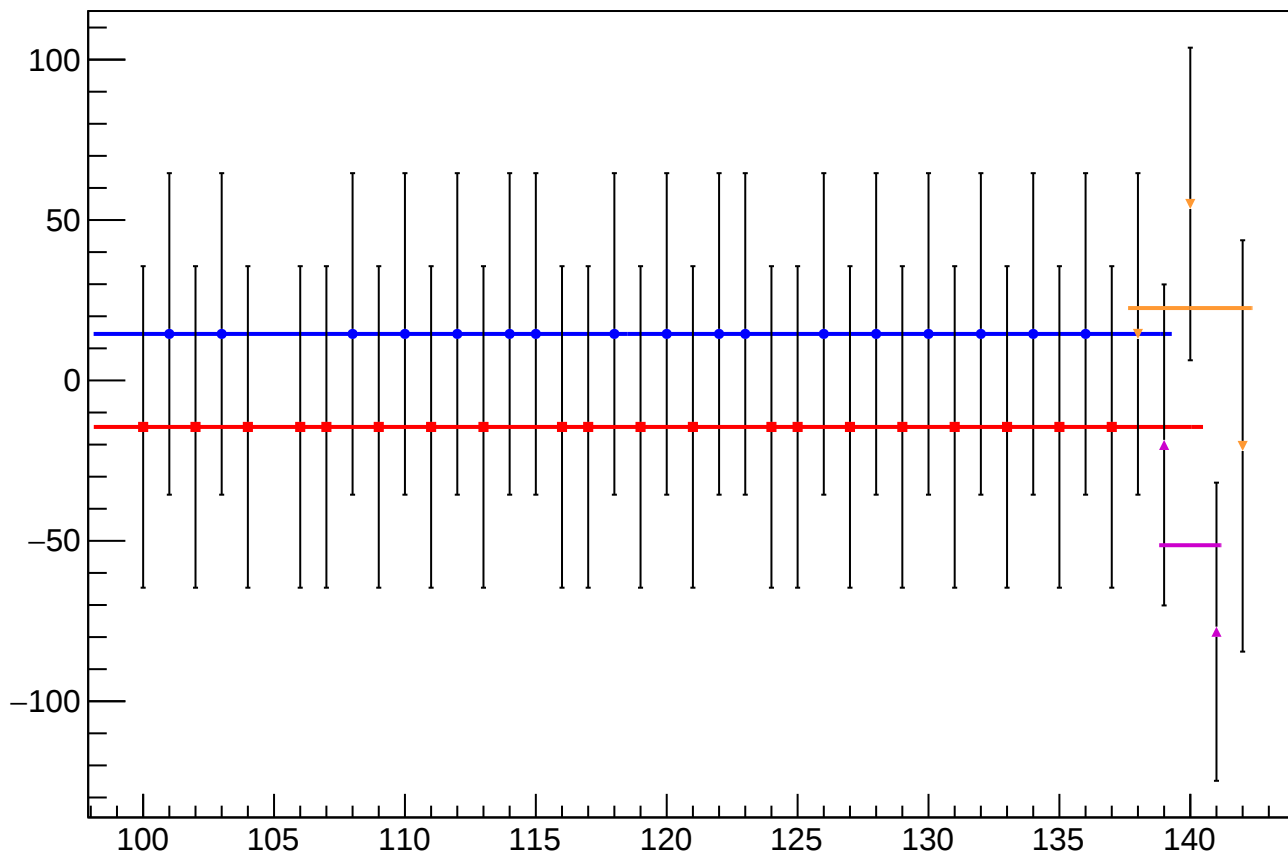
Left In: 414.138+/-0.235 χ^2/NDF :16417.8/1

420.877+/-0.079 χ^2/NDF : 25606.1/19

422.334+/-0.054 χ^2/NDF : 44493.8/41

423.644+/-0.075 χ^2/NDF : 18241.6/21

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

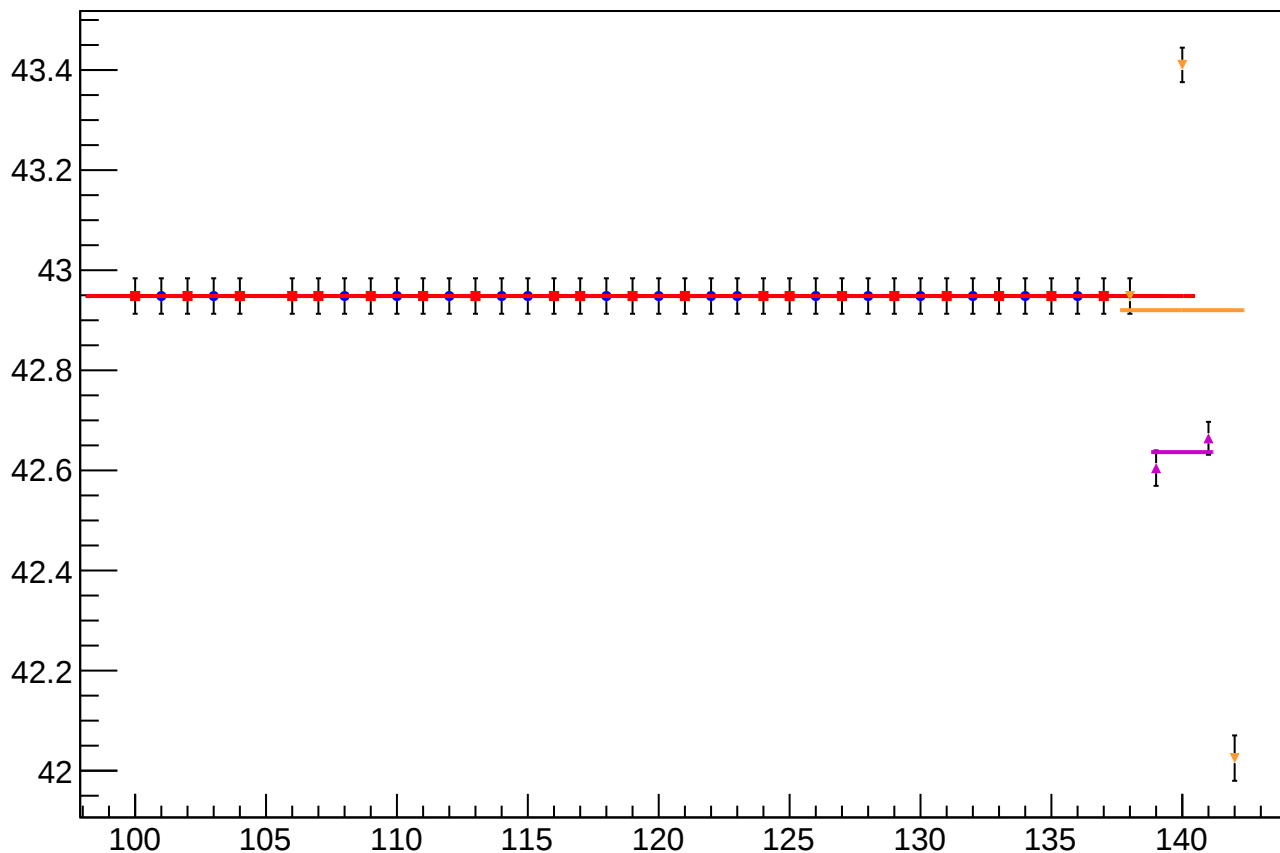
Left In: -51.364 $\pm$ 34.049 χ^2/NDF : 0.7/1

15.591 $\pm$ 11.299 χ^2/NDF : 1.0/19

-2.260 $\pm$ 7.748 χ^2/NDF : 7.5/41

-18.100 $\pm$ 10.644 χ^2/NDF : 1.8/21

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

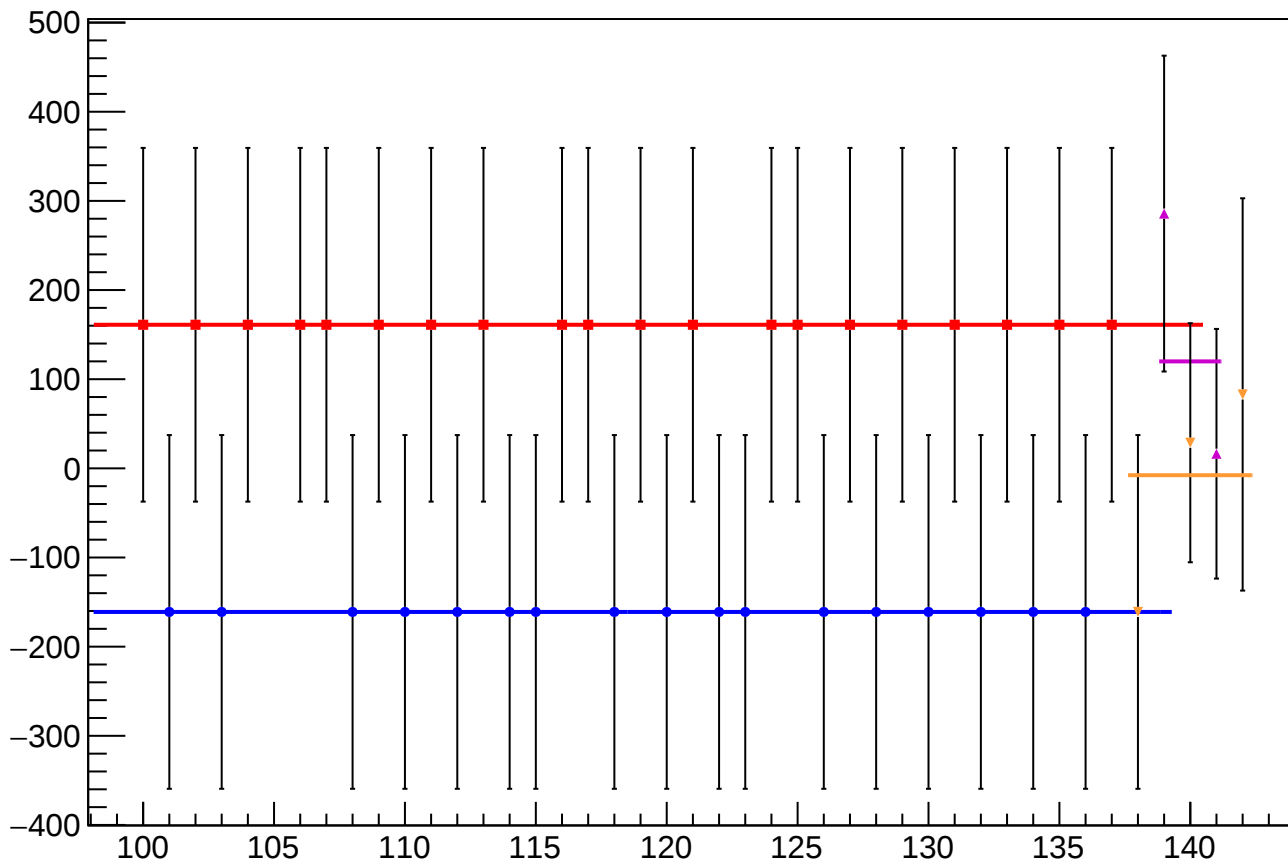
Left In: 42.637 $\pm$ 0.024 χ^2 /NDF: 1.5/1

42.945 $\pm$ 0.008 χ^2 /NDF: 594.2/19

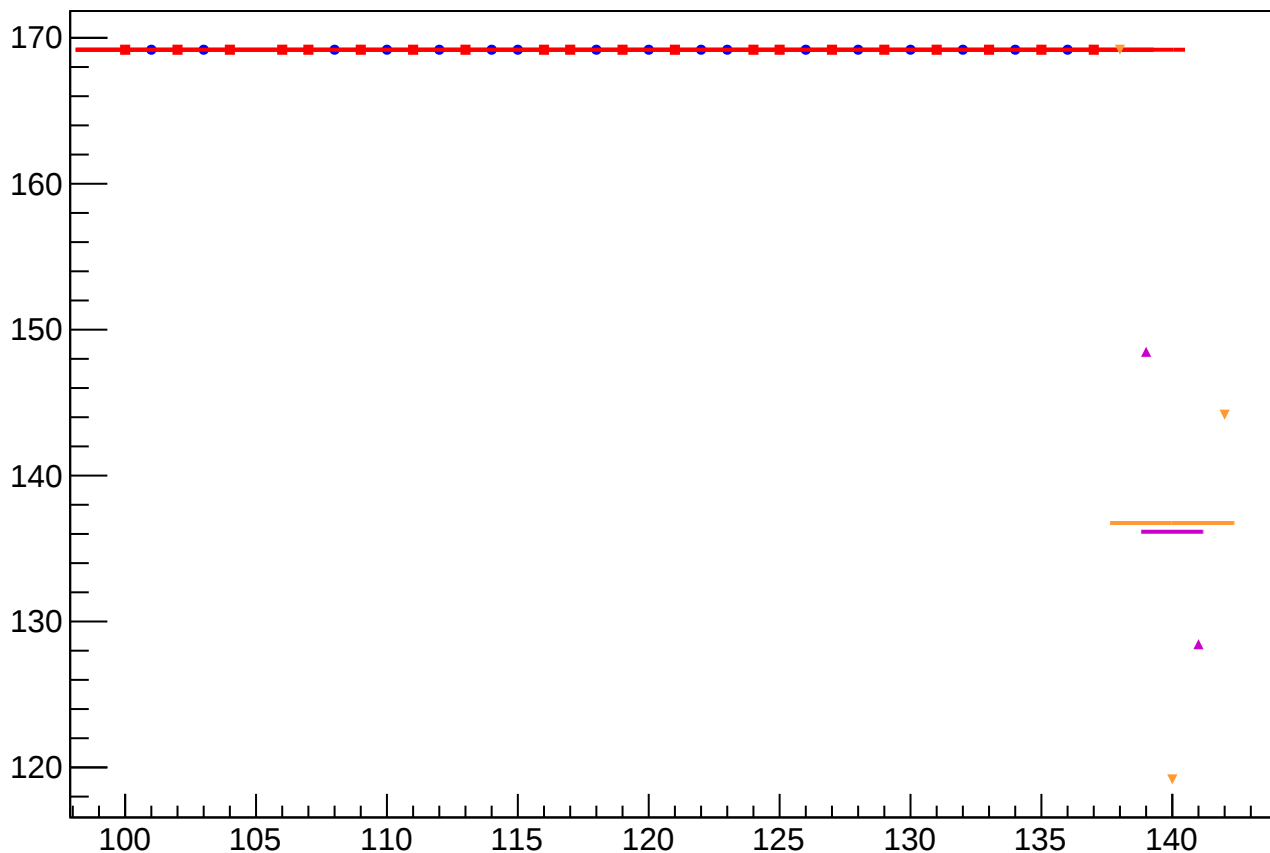
42.930 $\pm$ 0.005 χ^2 /NDF: 753.0/41

42.918 $\pm$ 0.008 χ^2 /NDF: 152.9/21

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



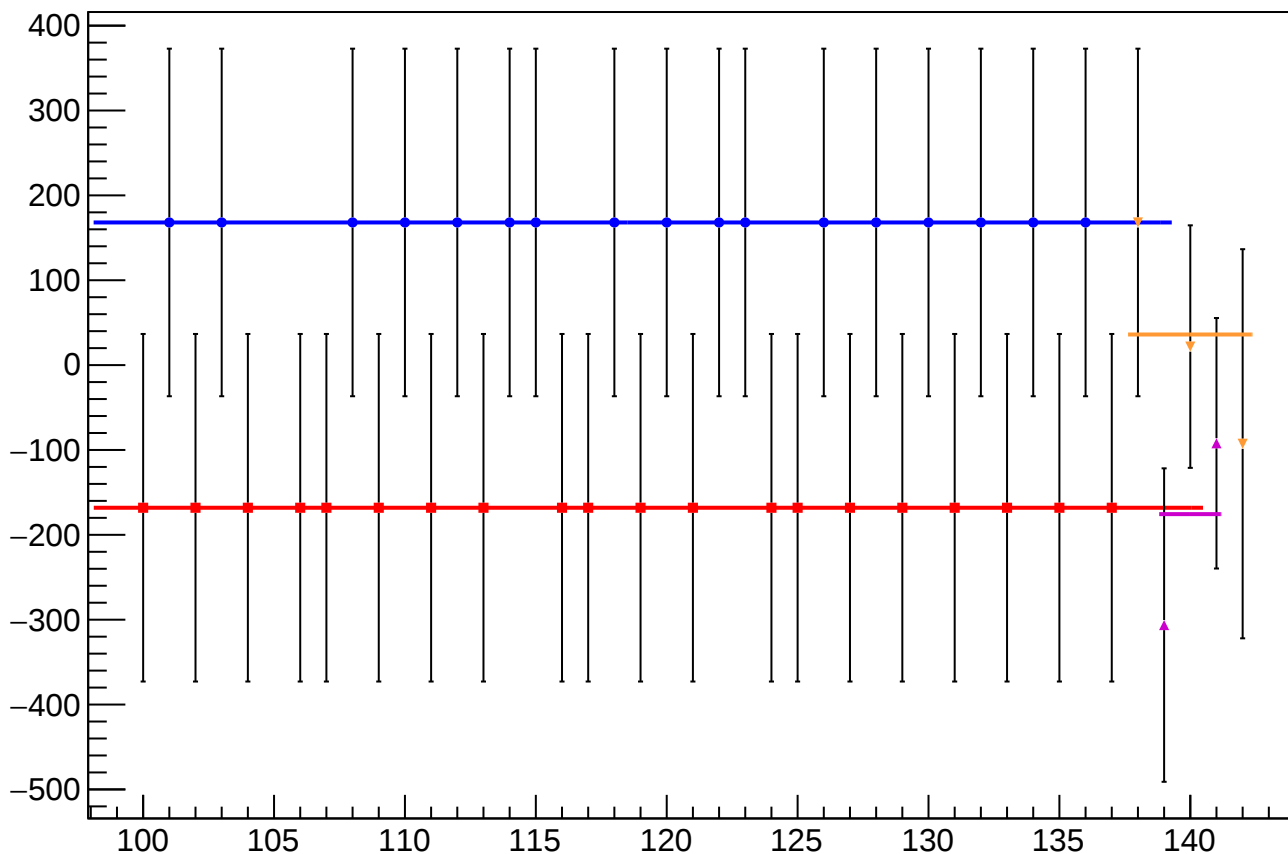
asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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
 163.819 $\pm$ 0.021 χ^2 /NDF: 435909.1/41
 164.554 $\pm$ 0.029 χ^2 /NDF: 171289.5/21

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

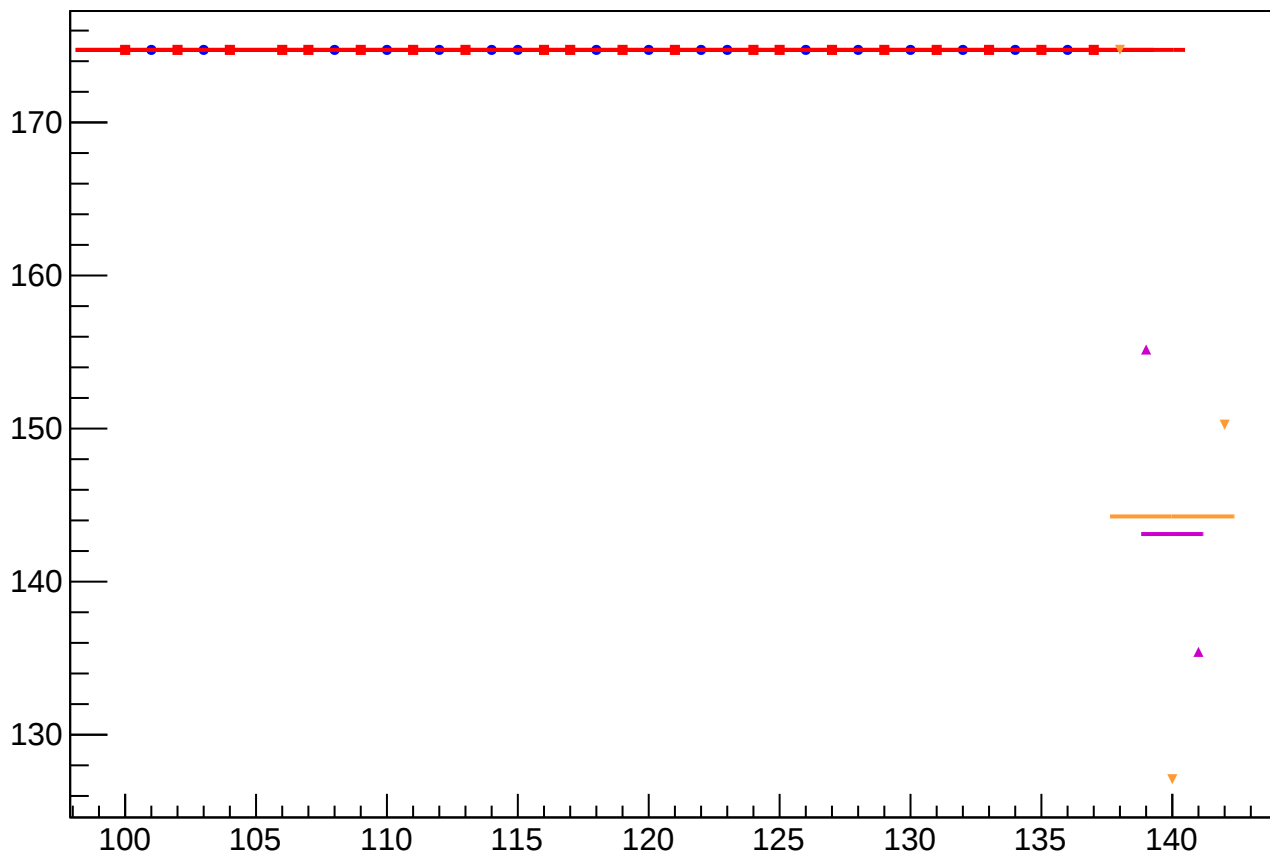
Left In: -175.601 $\pm$ 115.295 χ^2/NDF : 0.8/1

143.705 $\pm$ 44.846 χ^2/NDF : 2.0/19

-20.891 $\pm$ 30.870 χ^2/NDF : 28.5/41

-169.113 $\pm$ 42.557 χ^2/NDF : 0.8/21

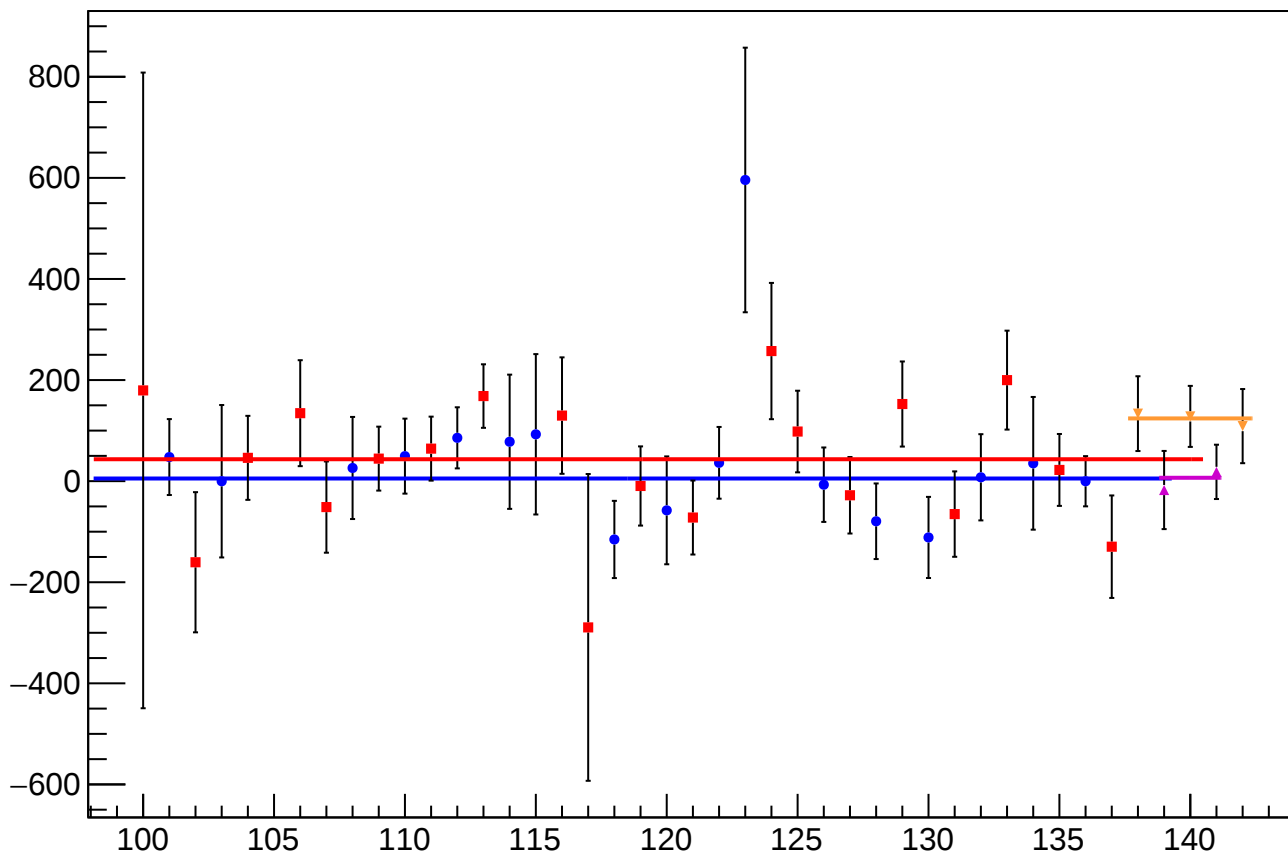
asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 174.739 $\pm$ 0.035 χ^2 /NDF: 0.0/16
 Left Out: 144.260 $\pm$ 0.074 χ^2 /NDF: 74541.3/2
 Right Out: 174.739 $\pm$ 0.032 χ^2 /NDF: 0.0/19
 Left In: 143.111 $\pm$ 0.082 χ^2 /NDF: 13958.9/1

169.109 $\pm$ 0.032 χ^2 /NDF: 213657.2/19
 169.804 $\pm$ 0.022 χ^2 /NDF: 358529.1/41
 170.430 $\pm$ 0.030 χ^2 /NDF: 143959.5/21

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220+/-20.150 χ^2/NDF : 14.7/16

Left Out: 124.104+/-39.436 χ^2/NDF : 0.1/2

Right Out: 43.354+/-19.371 χ^2/NDF : 25.6/19

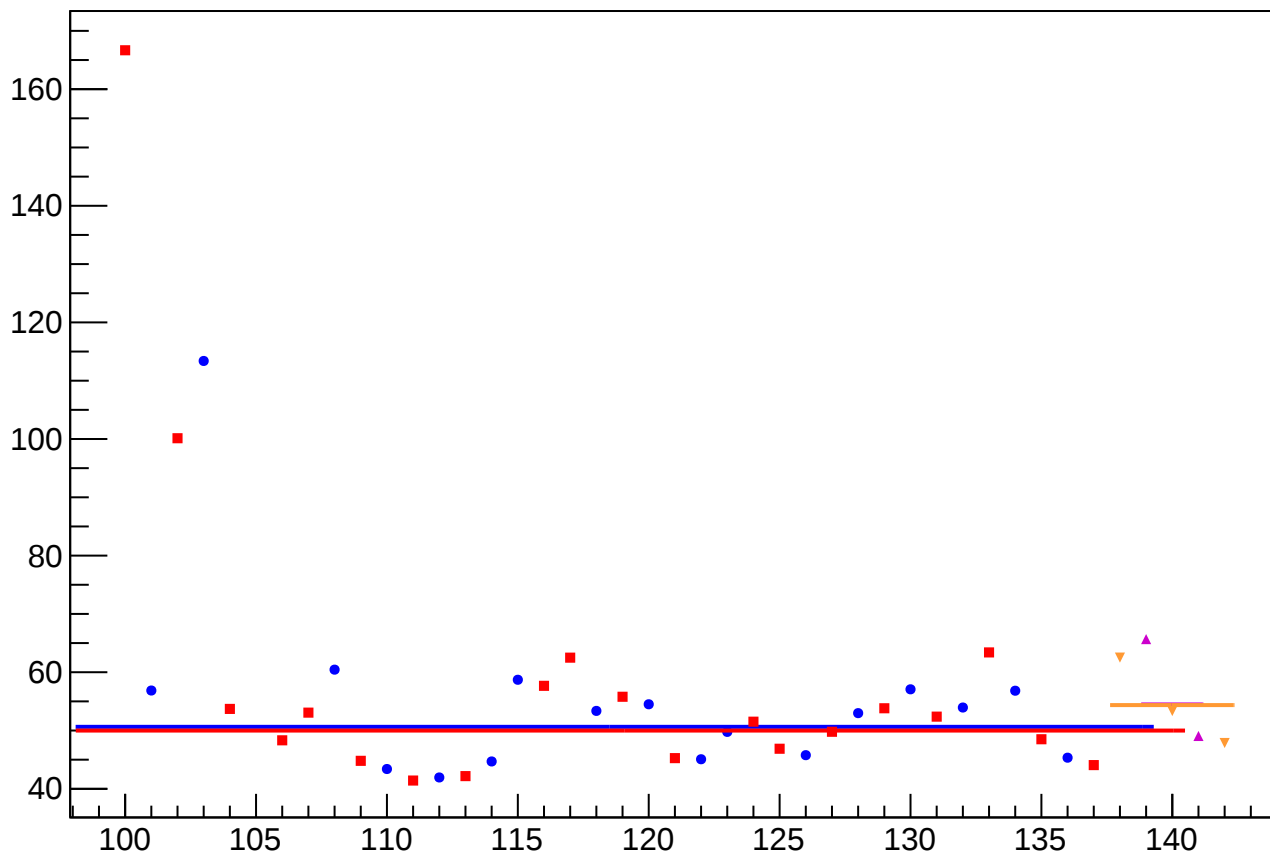
Left In: 6.676+/-44.126 χ^2/NDF : 0.1/1

29.832+/-17.944 χ^2/NDF : 22.0/19

33.674+/-12.614 χ^2/NDF : 48.4/41

37.428+/-17.737 χ^2/NDF : 26.3/21

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

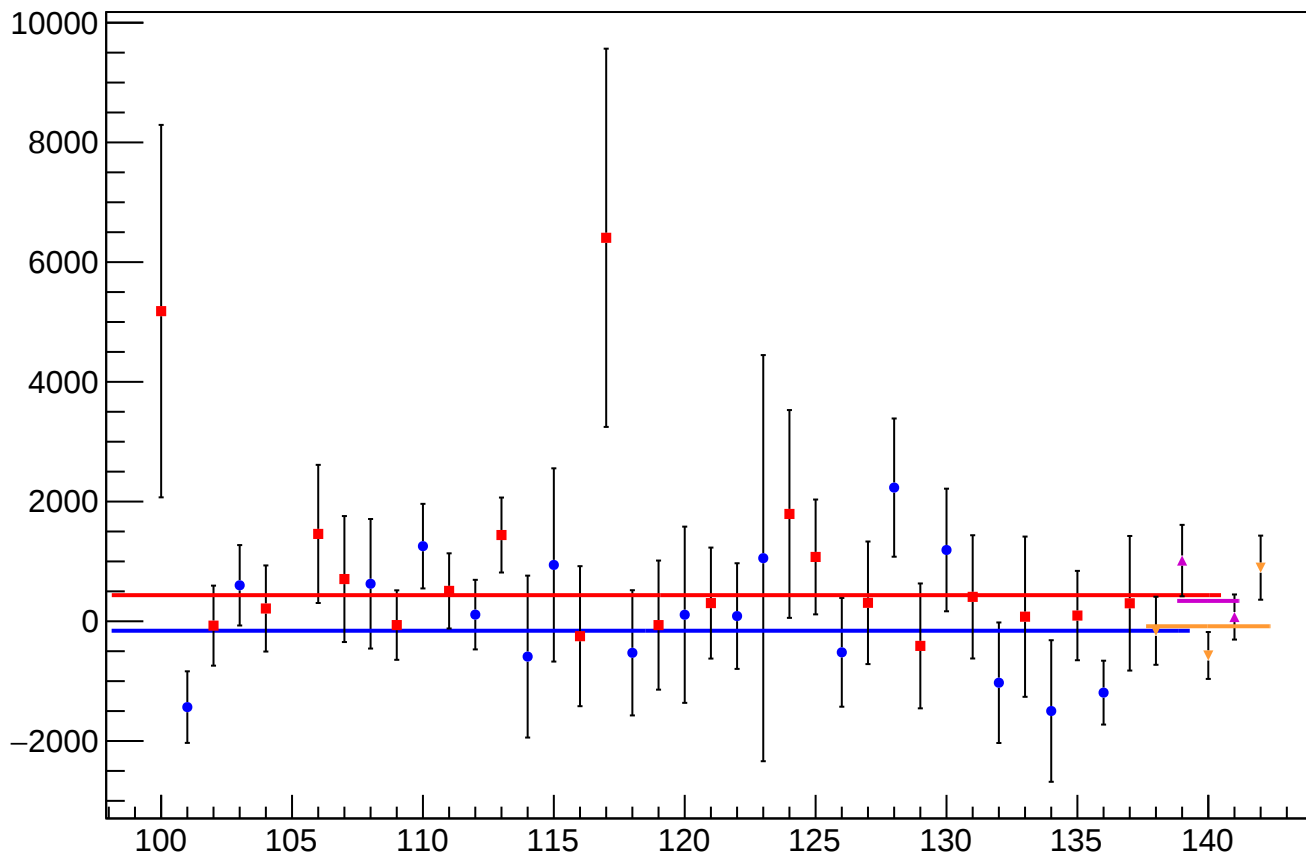
Left In: 54.477+/-0.031 χ^2/NDF : 62258.0/1

51.407+/-0.013 χ^2/NDF : 574396.1/19

51.058+/-0.009 χ^2/NDF : 1159346.3/41

50.718+/-0.013 χ^2/NDF : 583460.9/21

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



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

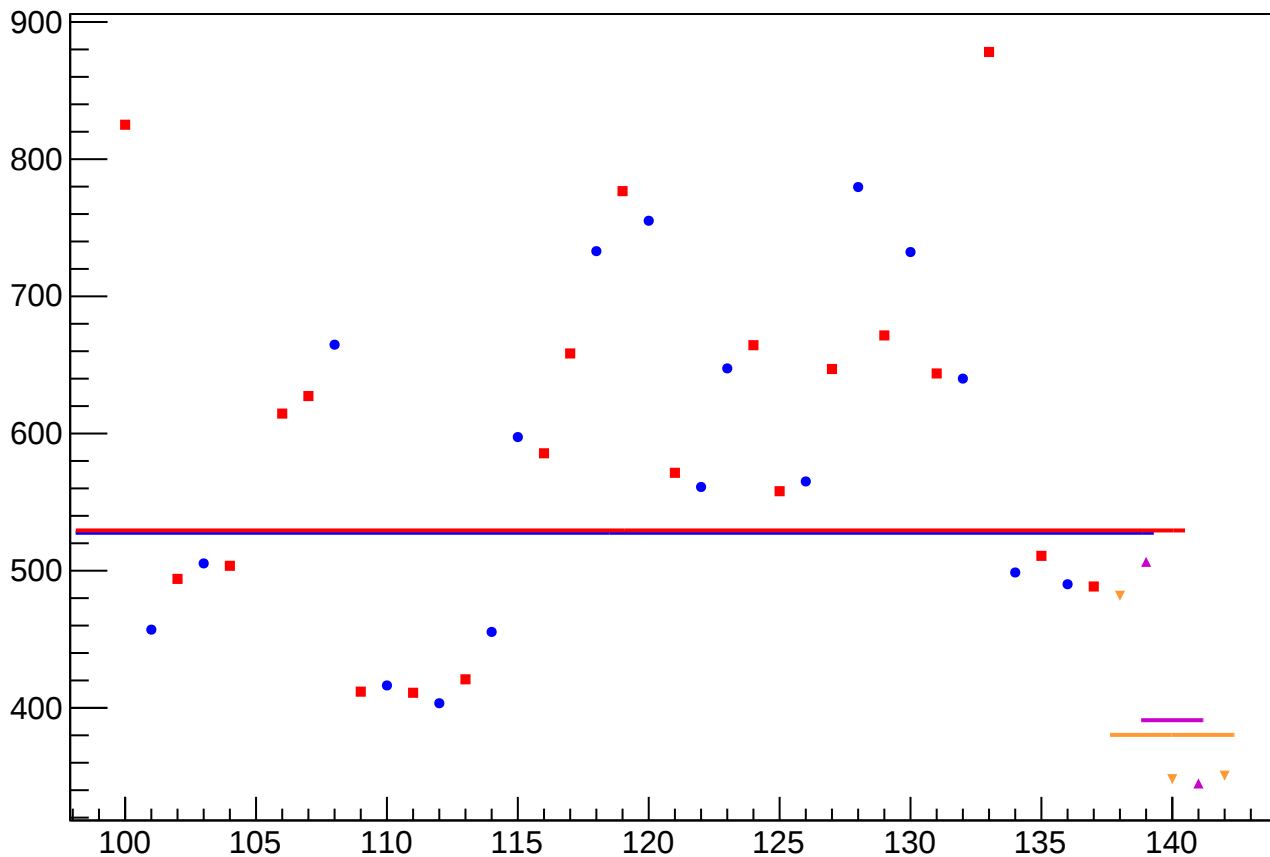
Left In: 340.318+/-318.593 χ^2/NDF : 1.8/1

-130.559+/-167.280 χ^2/NDF : 28.4/19

132.587+/-119.690 χ^2/NDF : 48.7/41

408.621+/-171.327 χ^2/NDF : 15.2/21

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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

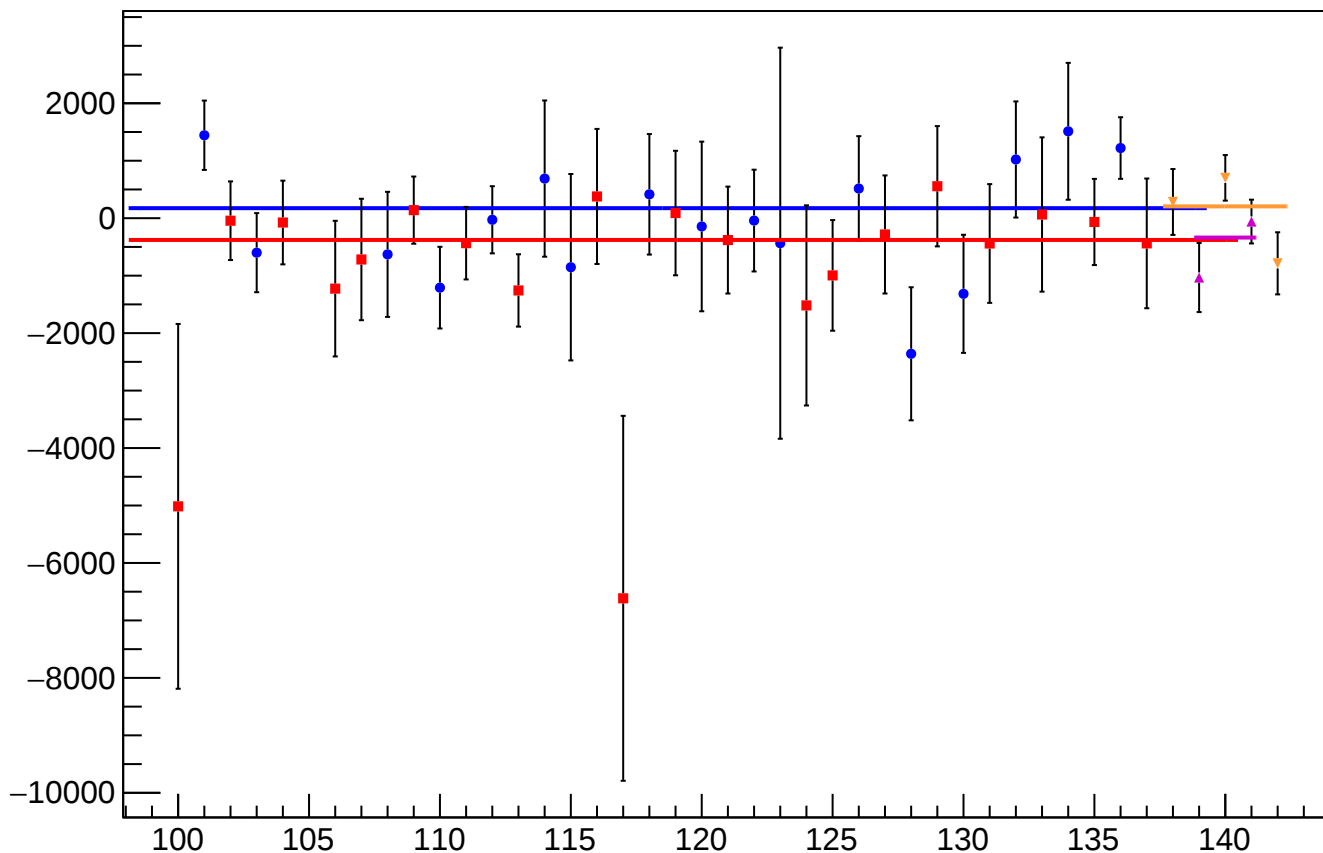
Left In: 391.016+/-0.225 χ^2/NDF : 104852.8/1

473.649+/-0.118 χ^2/NDF : 1001198.7/19

481.307+/-0.085 χ^2/NDF : 2009345.9/41

489.340+/-0.121 χ^2/NDF : 999559.1/21

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 205.665 $\pm$ 279.214 χ^2 /NDF:4.9/2

Right Out: -378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

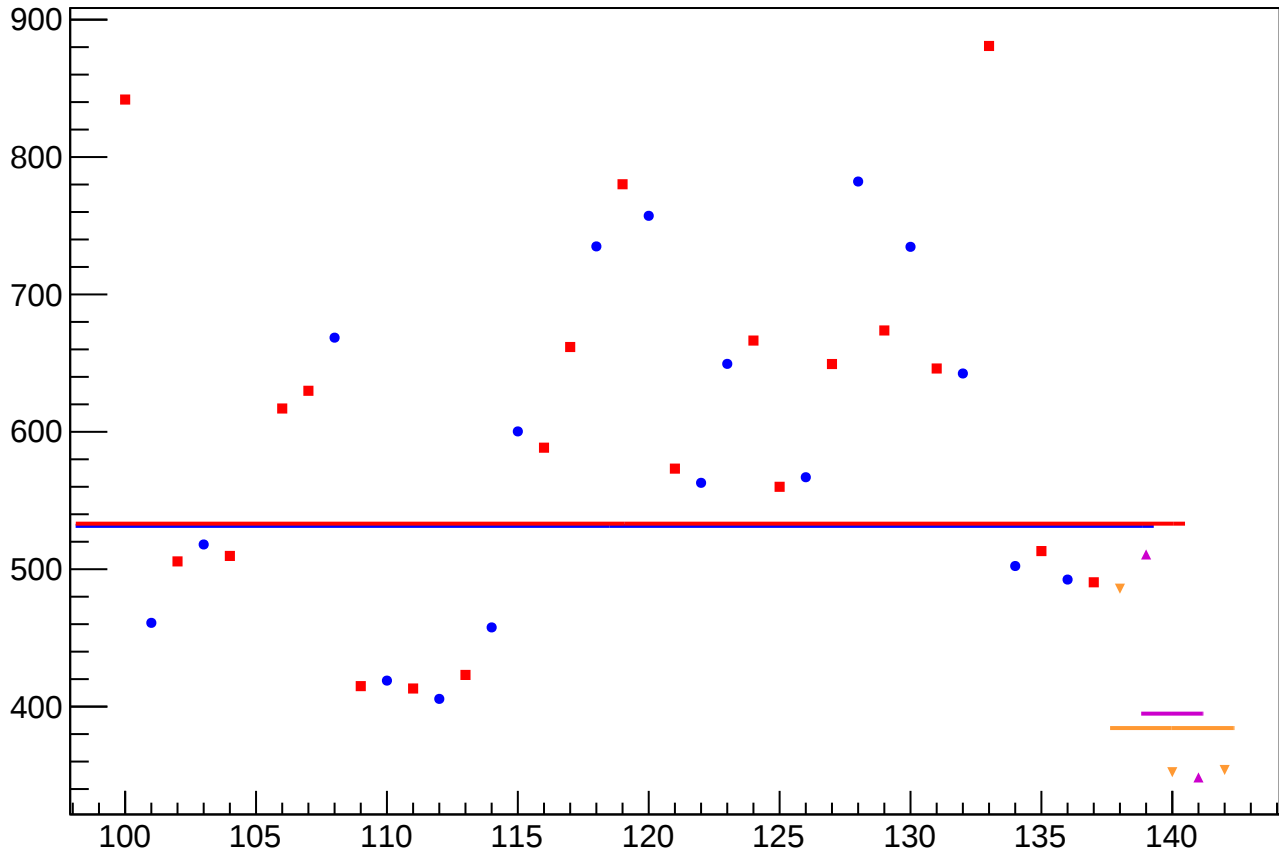
Left In: -337.108 $\pm$ 321.693 χ^2 /NDF:1.9/1

185.940 $\pm$ 168.674 χ^2 /NDF: 28.6/19

-83.761 $\pm$ 120.685 χ^2 /NDF: 48.1/41

-366.642 $\pm$ 172.747 χ^2 /NDF: 14.2/21

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

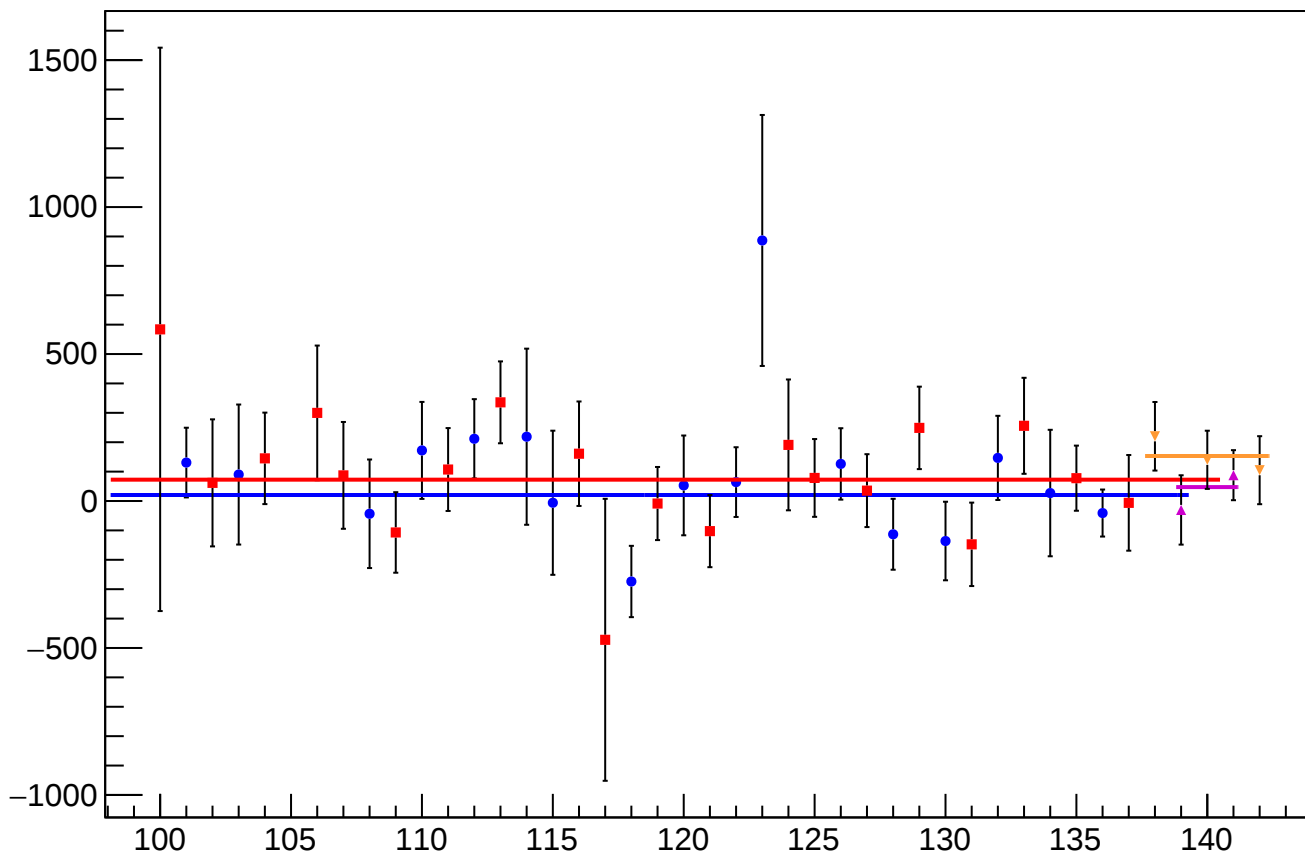
Left In: 394.880+/-0.227 χ^2/NDF : 103959.2/1

477.847+/-0.119 χ^2/NDF : 985107.5/19

485.381+/-0.085 χ^2/NDF : 1979253.7/41

493.283+/-0.122 χ^2/NDF : 985970.4/21

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 153.122 $\pm$ 63.211 χ^2 /NDF: 0.5/2

Right Out: 72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

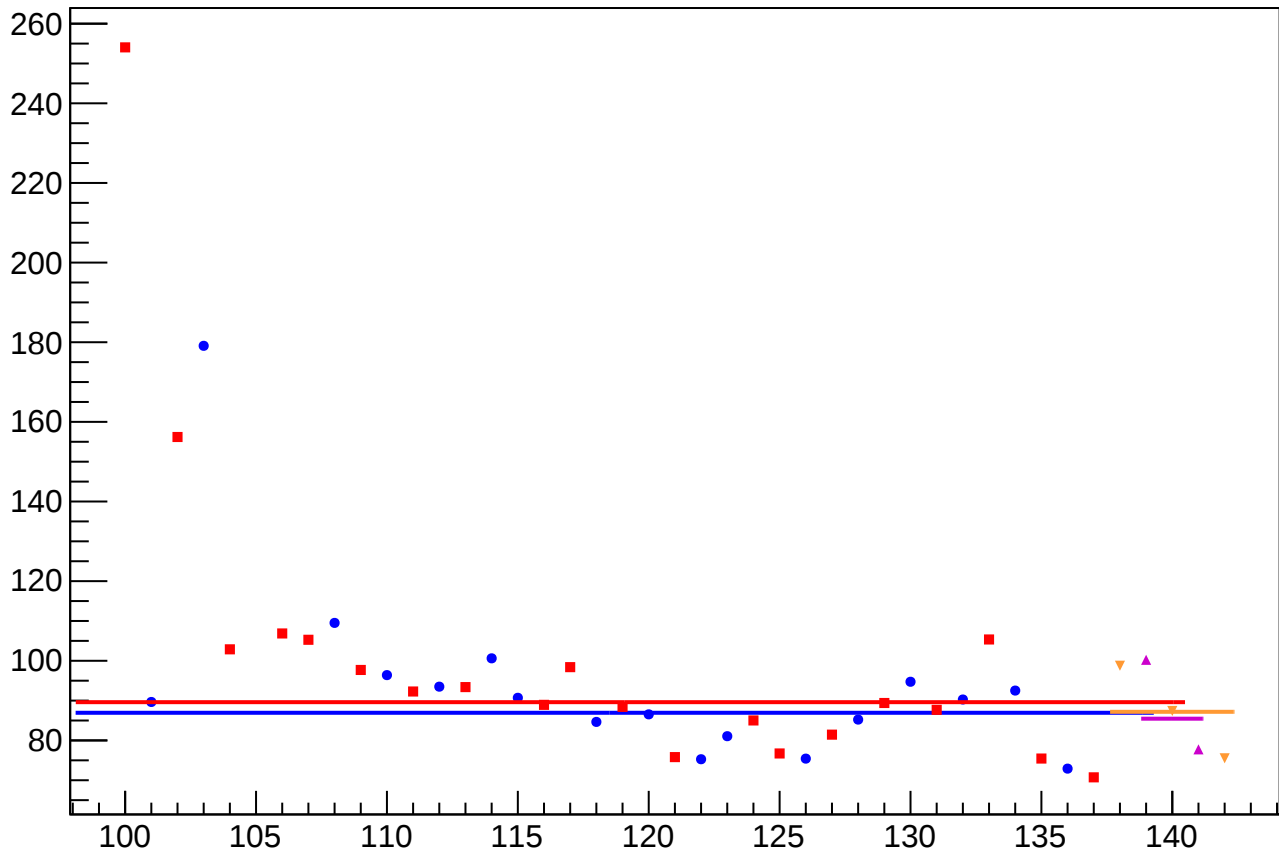
Left In: 47.367 $\pm$ 69.023 χ^2 /NDF: 0.7/1

51.007 $\pm$ 30.339 χ^2 /NDF: 23.2/19

59.109 $\pm$ 21.661 χ^2 /NDF: 40.8/41

67.533 $\pm$ 30.937 χ^2 /NDF: 17.5/21

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2/NDF : 455809.4/16

Left Out: 87.187 $\pm$ 0.045 χ^2/NDF : 40066.2/2

Right Out: 89.607 $\pm$ 0.024 χ^2/NDF : 431905.8/19

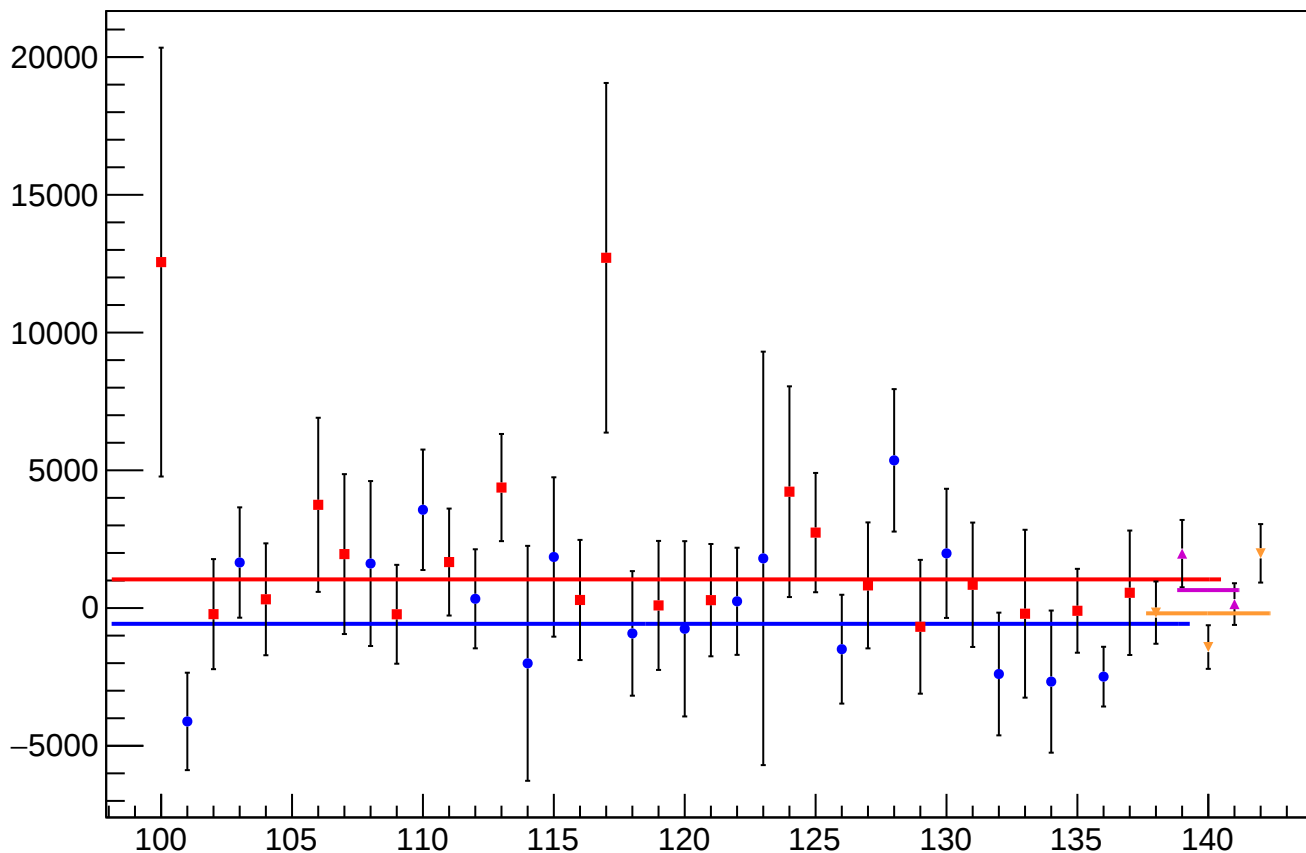
Left In: 85.458 $\pm$ 0.049 χ^2/NDF : 47797.5/1

86.999 $\pm$ 0.021 χ^2/NDF : 495898.6/19

87.869 $\pm$ 0.015 χ^2/NDF : 984729.8/41

88.774 $\pm$ 0.022 χ^2/NDF : 485476.9/21

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

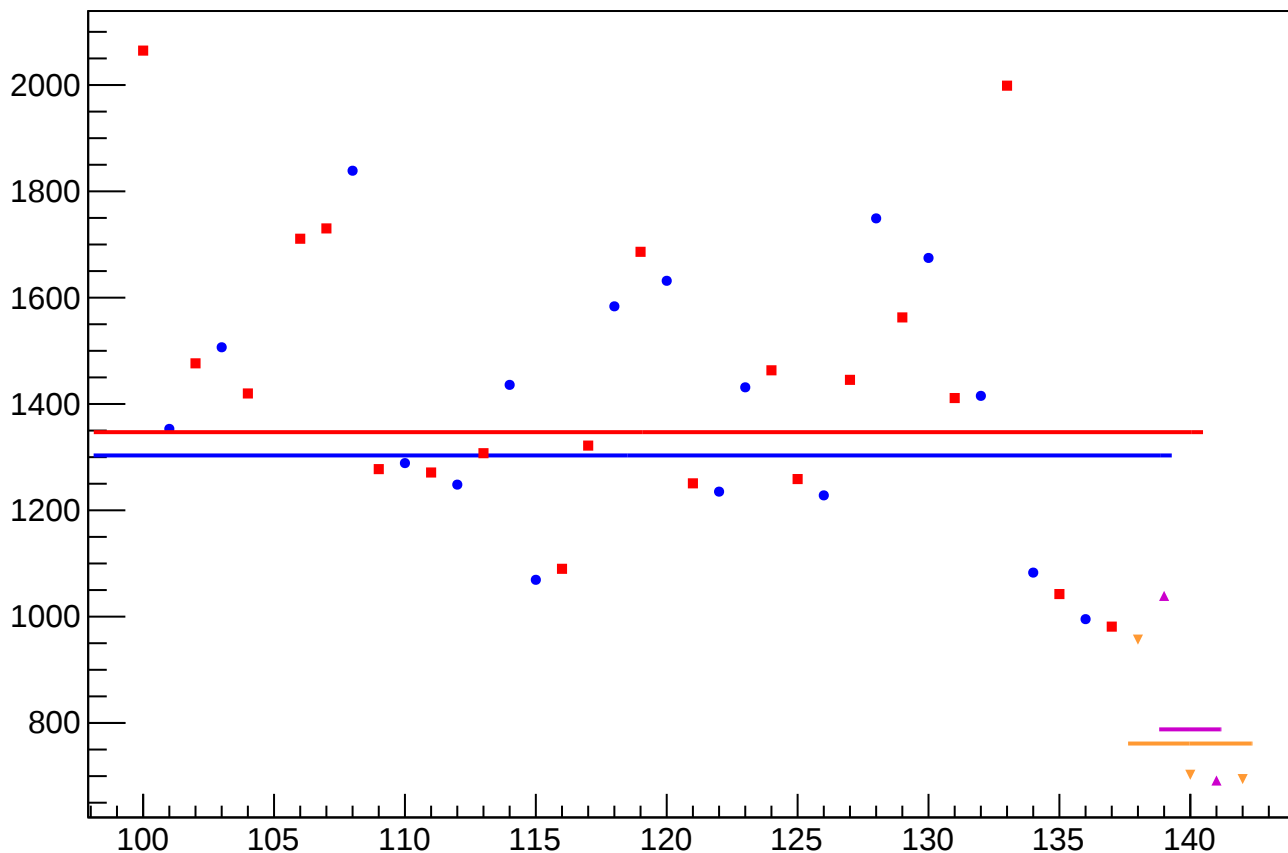
Left In: 651.819+/-643.234 χ^2/NDF : 1.6/1

-394.830+/-377.784 χ^2/NDF : 28.7/19

209.015+/-274.987 χ^2/NDF : 49.5/41

889.485+/-401.038 χ^2/NDF : 15.3/21

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



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

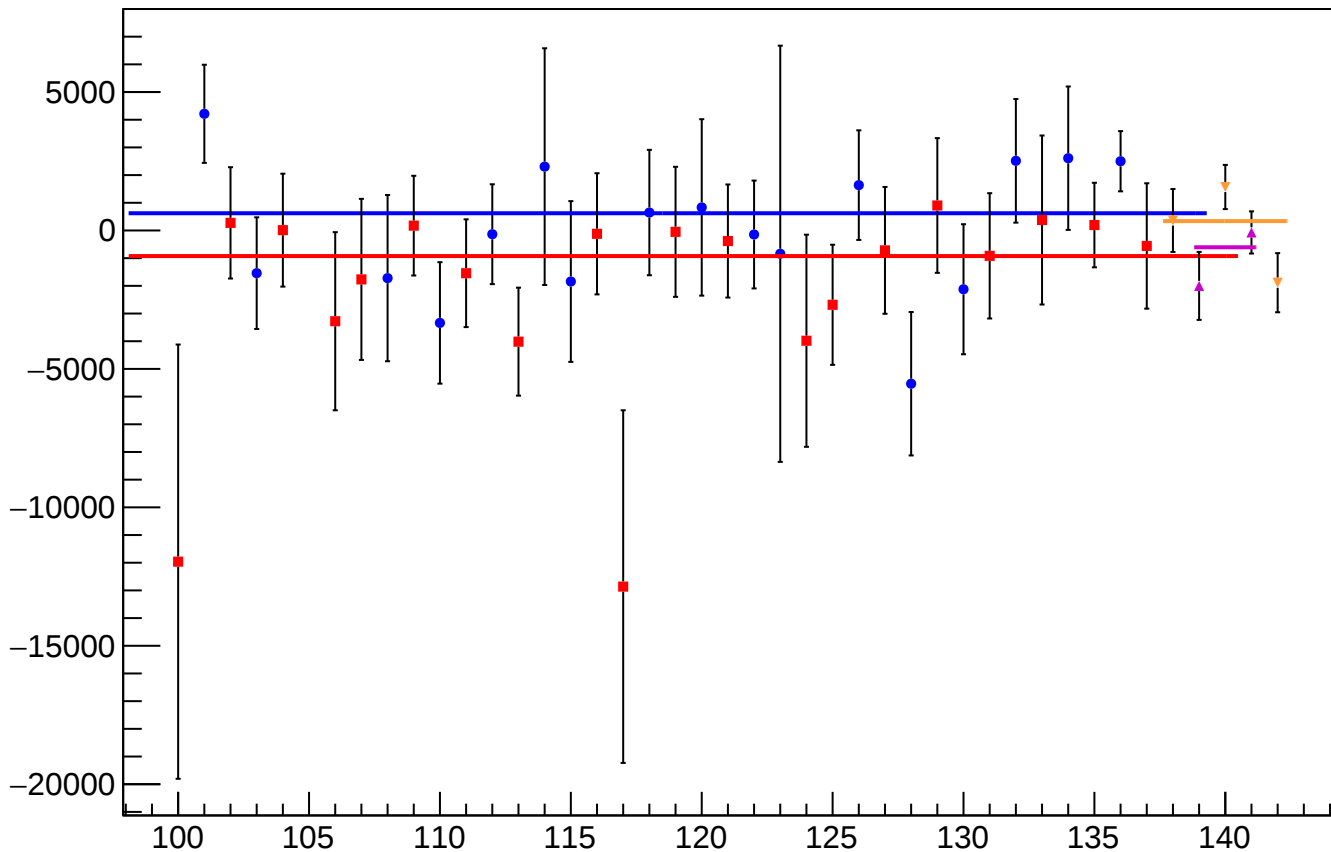
Left In: 787.941+/-0.455 χ^2/NDF : 116744.1/1

1050.627+/-0.267 χ^2/NDF : 1554790.3/19

1087.800+/-0.194 χ^2/NDF : 3057092.0/41

1129.691+/-0.284 χ^2/NDF : 1461115.4/21

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

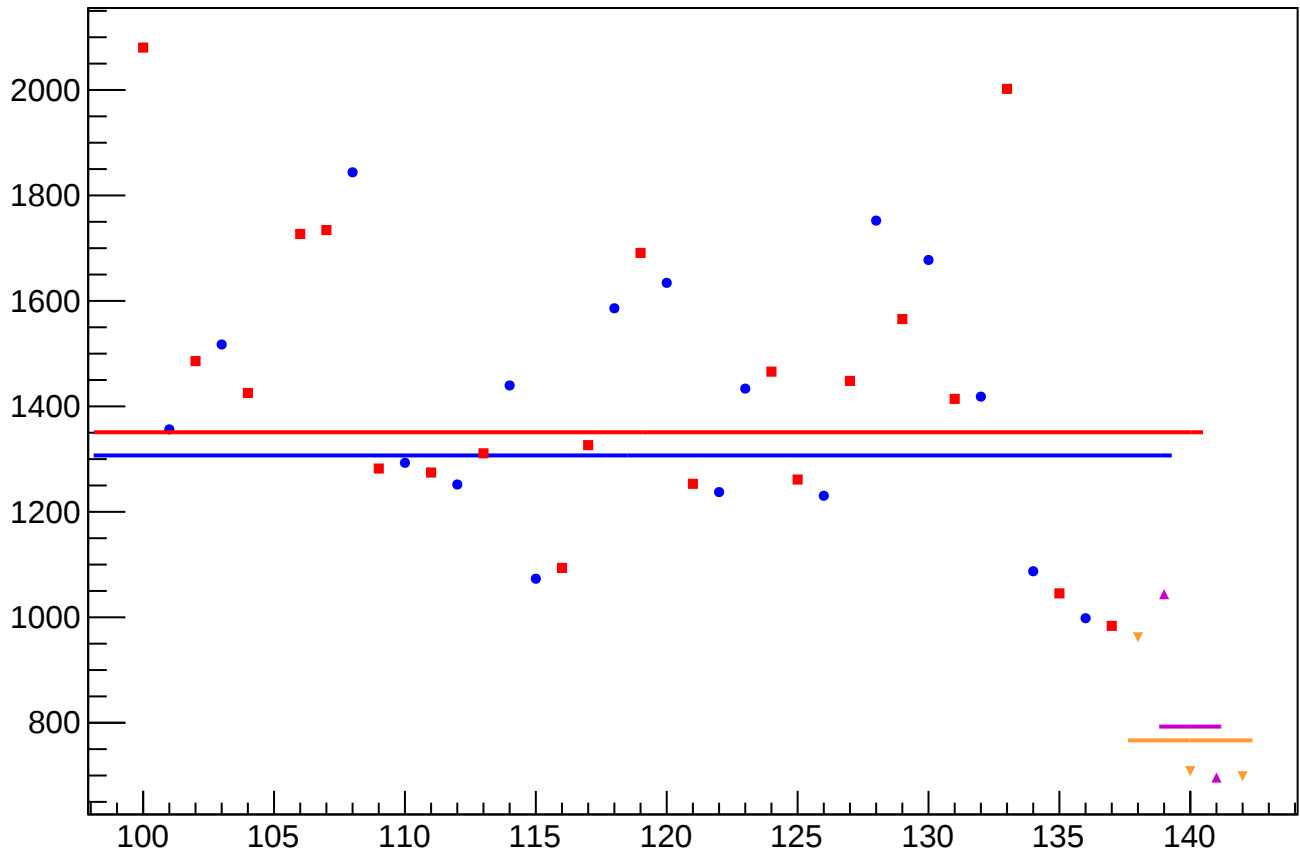
Left In: -607.163+/-647.070 χ^2/NDF : 1.8/1

490.764+/-379.570 χ^2/NDF : 28.8/19

-117.083+/-276.237 χ^2/NDF : 48.8/41

-801.537+/-402.779 χ^2/NDF : 14.6/21

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 766.631 $\pm$ 0.394 χ^2 /NDF: 77932.5/2

Right Out: 1350.936 $\pm$ 0.364 χ^2 /NDF: 421834.2/19

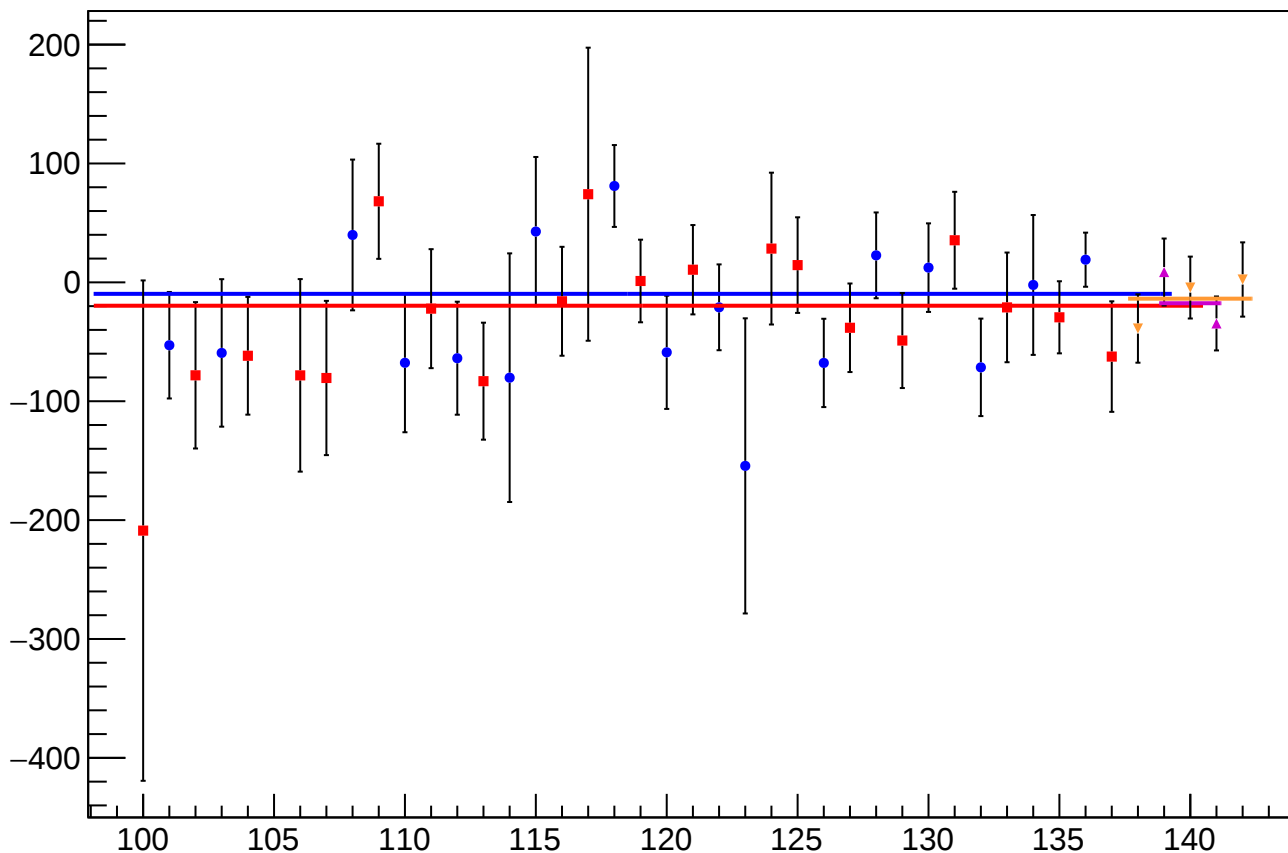
Left In: 792.772 $\pm$ 0.458 χ^2 /NDF: 115851.9/1

1056.210 $\pm$ 0.268 χ^2 /NDF: 1537193.2/19

1093.114 $\pm$ 0.195 χ^2 /NDF: 3026629.1/41

1134.668 $\pm$ 0.285 χ^2 /NDF: 1449243.2/21

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669+/-10.408 χ^2/NDF : 22.6/16

Left Out: -13.721+/-16.422 χ^2/NDF : 1.2/2

Right Out: -19.662+/-10.406 χ^2/NDF : 15.2/19

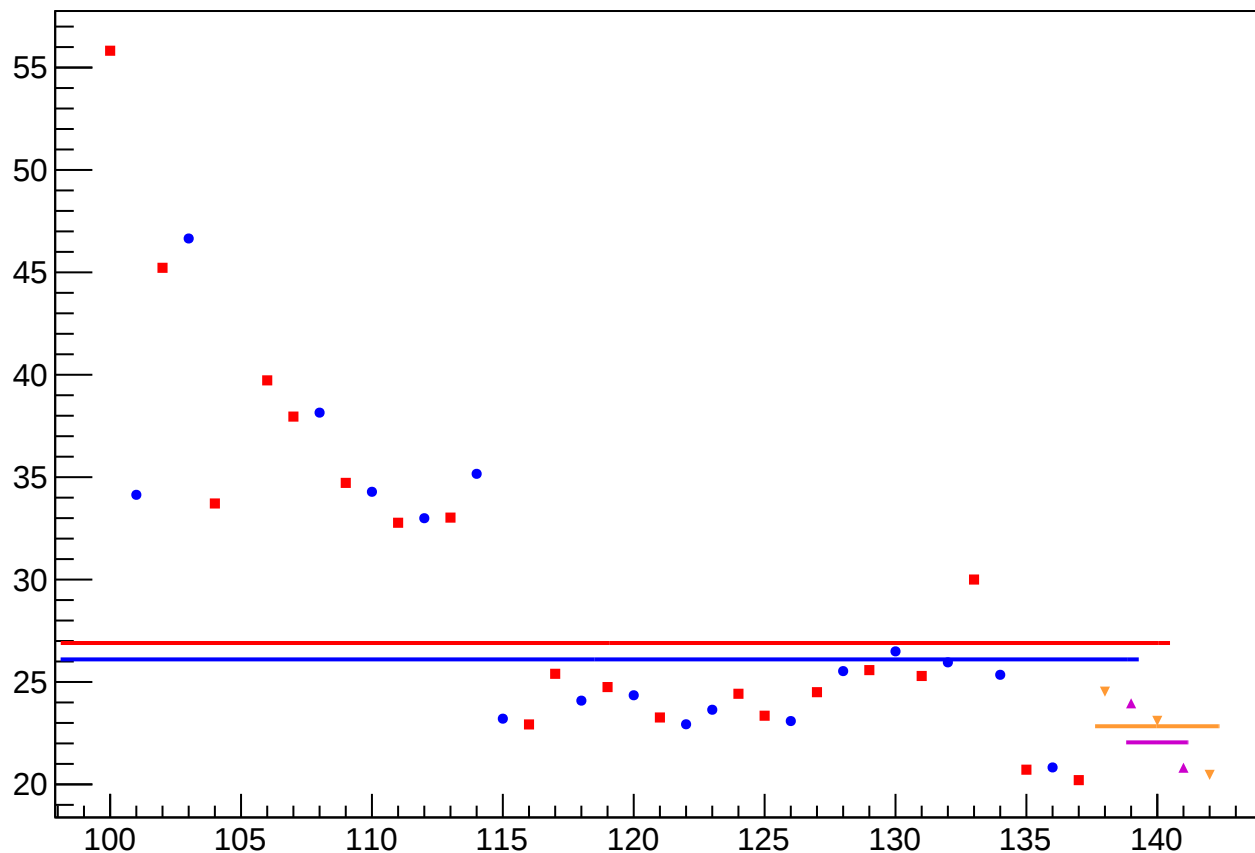
Left In: -17.558+/-17.679 χ^2/NDF : 1.4/1

-10.830+/-8.791 χ^2/NDF : 23.8/19

-14.892+/-6.278 χ^2/NDF : 40.9/41

-19.120+/-8.968 χ^2/NDF : 16.7/21

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

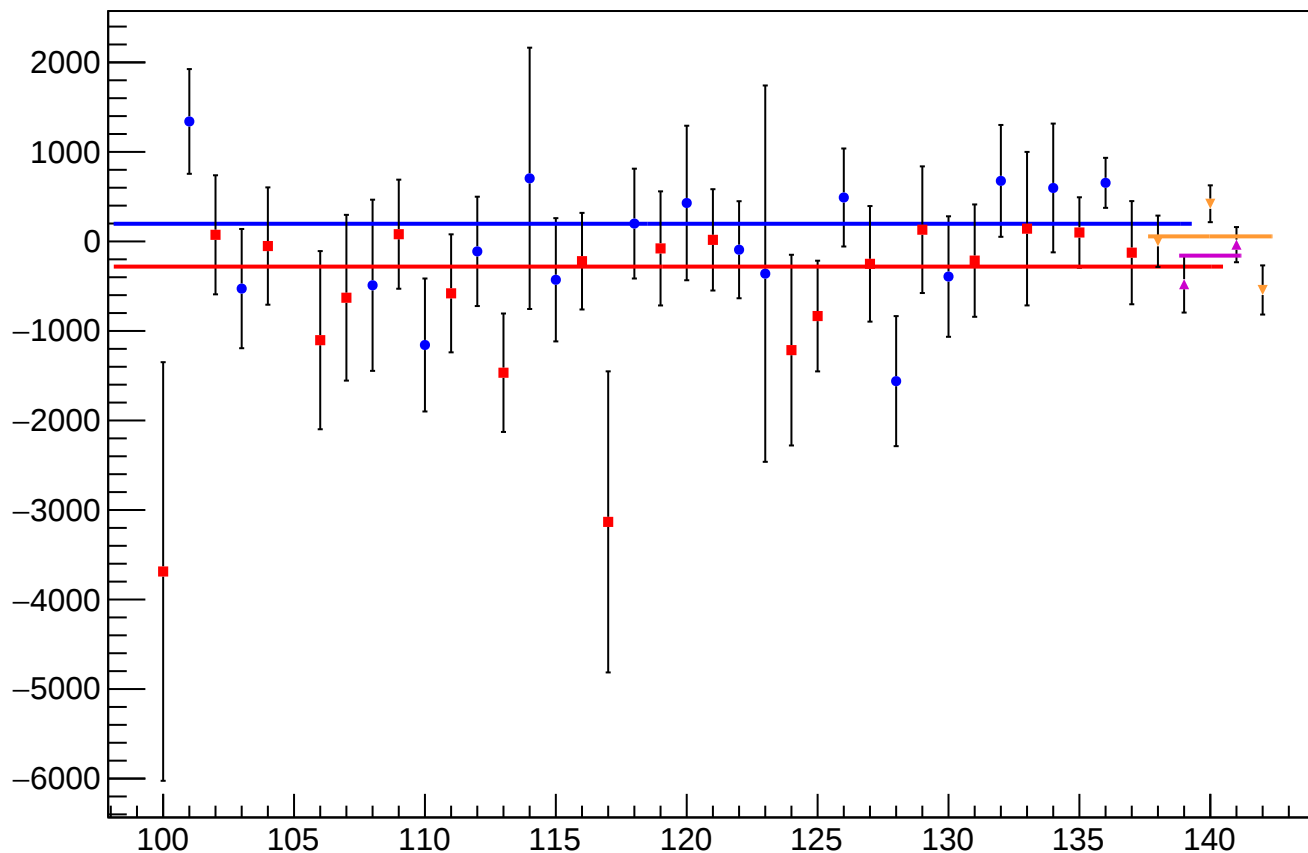
Left In: 22.051+/-0.013 χ^2/NDF :15095.1/1

25.167+/-0.006 χ^2/NDF : 679057.4/19

25.406+/-0.004 χ^2/NDF : 1488310.9/41

25.654+/-0.006 χ^2/NDF : 806241.8/21

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 56.380 $\pm$ 142.805 χ^2 /NDF: 7.9/2

Right Out: -281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

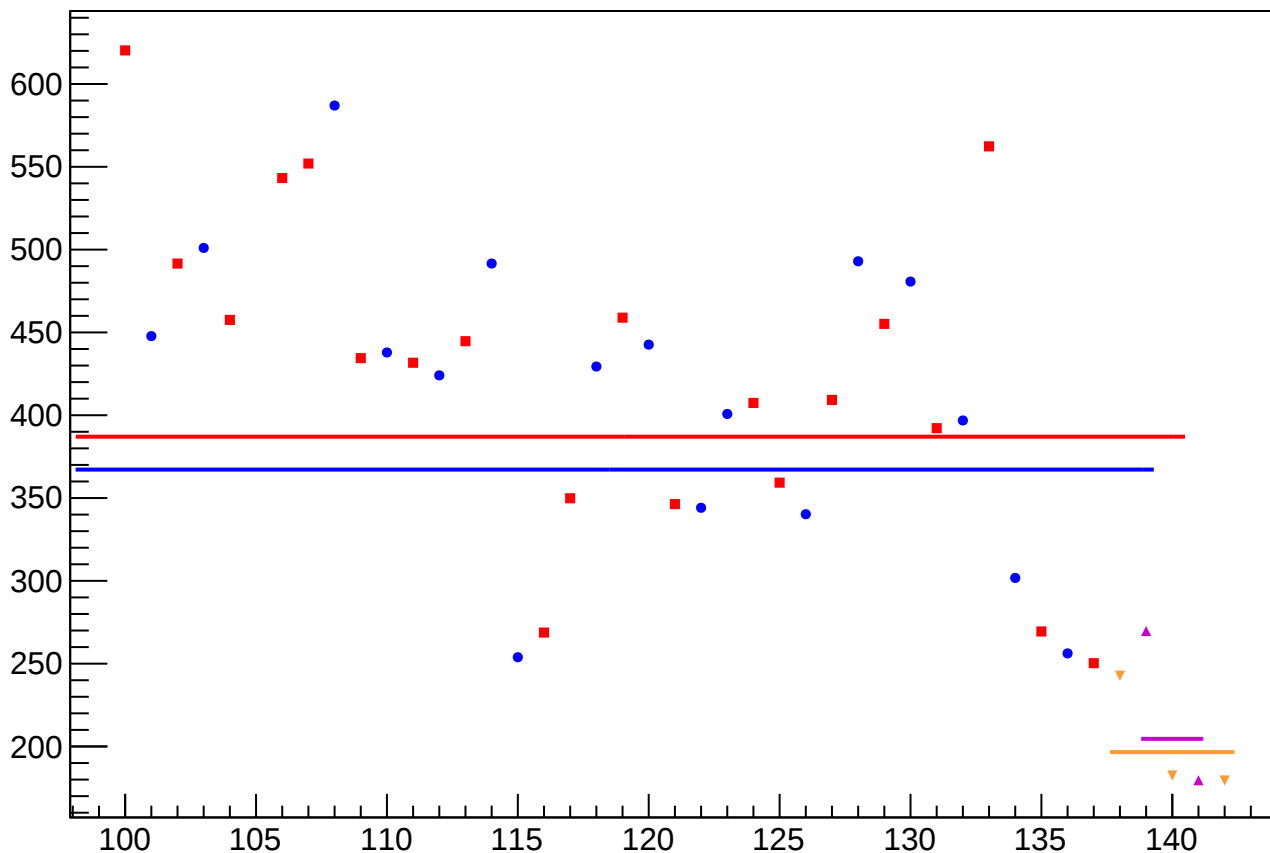
Left In: -158.630 $\pm$ 167.002 χ^2 /NDF: 1.4/1

124.392 $\pm$ 102.727 χ^2 /NDF: 29.4/19

-37.146 $\pm$ 75.486 χ^2 /NDF: 50.0/41

-226.755 $\pm$ 111.295 χ^2 /NDF: 15.3/21

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 196.604 $\pm$ 0.101 χ^2 /NDF: 68861.3/2

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

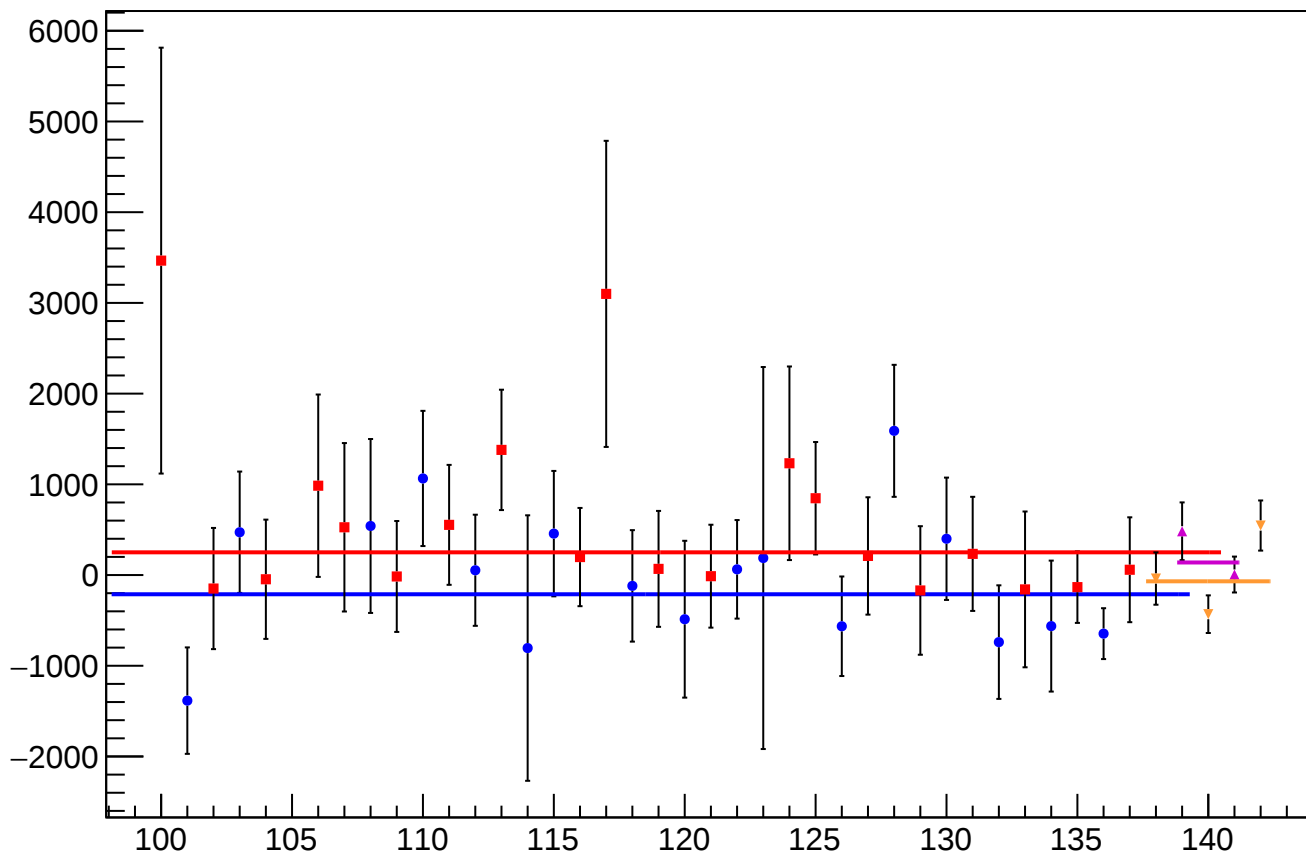
Left In: 204.600 $\pm$ 0.118 χ^2 /NDF: 116738.8/1

278.913 $\pm$ 0.073 χ^2 /NDF: 2272930.2/19

291.382 $\pm$ 0.053 χ^2 /NDF: 4556187.0/41

306.018 $\pm$ 0.079 χ^2 /NDF: 2219204.5/21

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 $\pm$ 148.316 χ^2 /NDF: 21.0/16

Left Out: -69.051 $\pm$ 143.809 χ^2 /NDF: 8.0/2

Right Out: 250.443 $\pm$ 149.724 χ^2 /NDF: 12.9/19

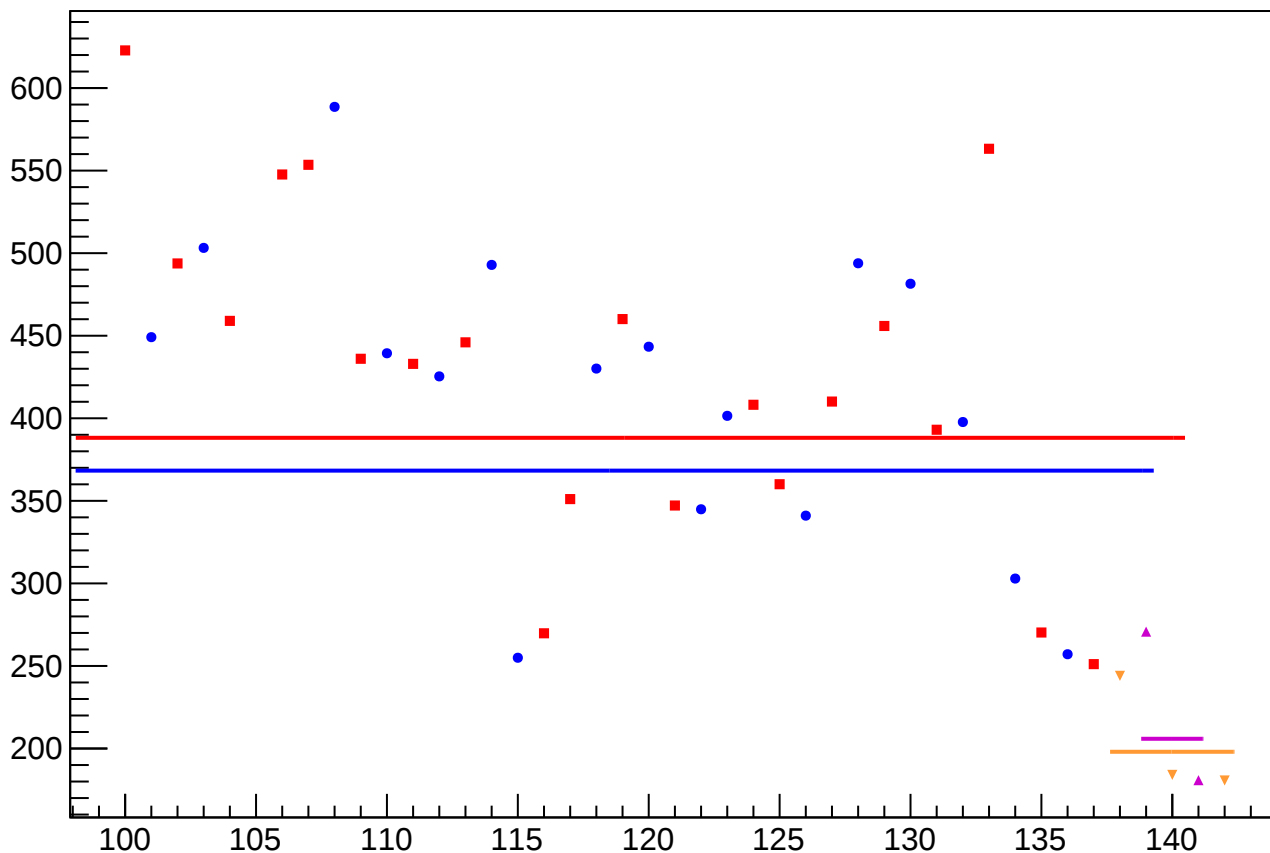
Left In: 138.519 $\pm$ 168.012 χ^2 /NDF: 1.6/1

-138.252 $\pm$ 103.245 χ^2 /NDF: 29.5/19

17.884 $\pm$ 75.843 χ^2 /NDF: 49.3/41

200.902 $\pm$ 111.779 χ^2 /NDF: 14.8/21

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

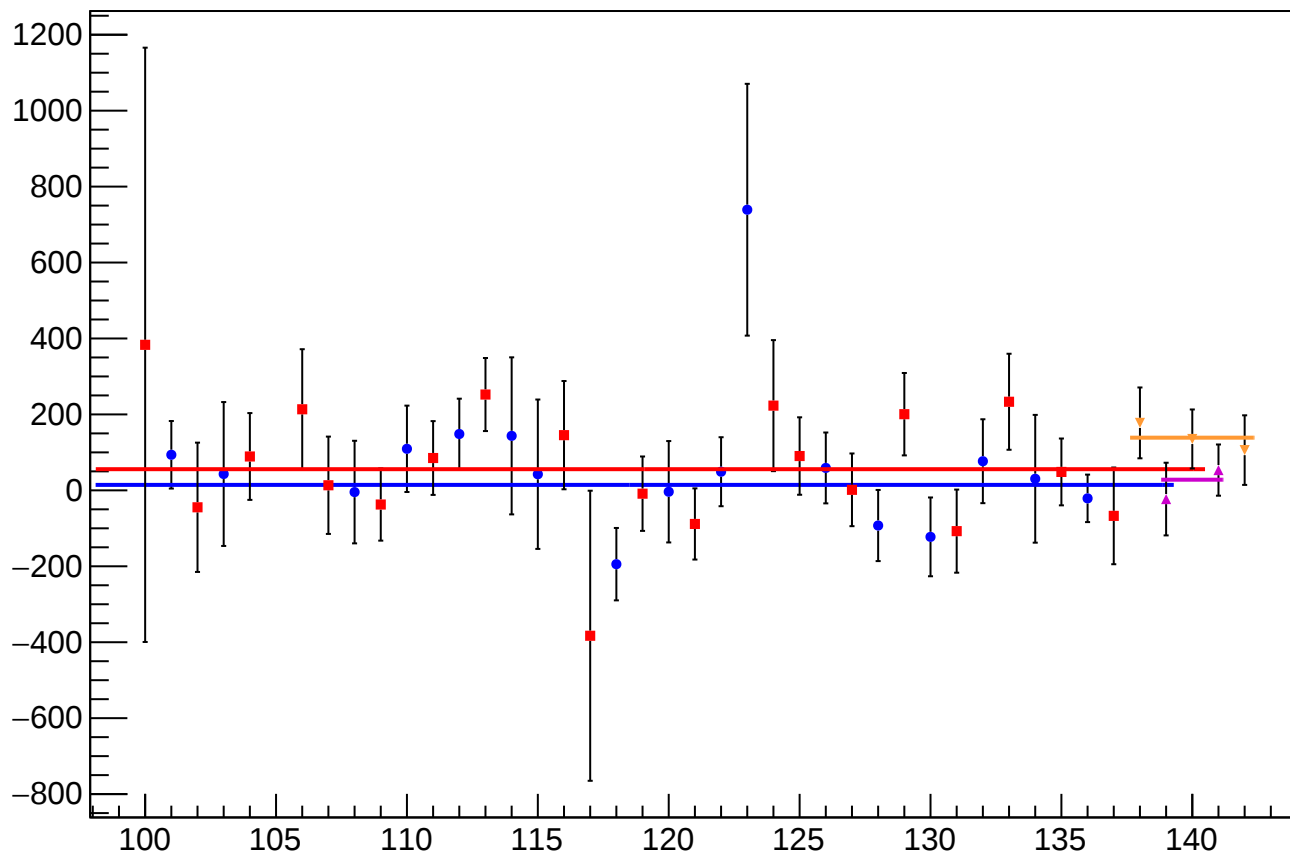
Left In: 205.899 $\pm$ 0.119 χ^2 /NDF: 115269.7/1

280.539 $\pm$ 0.073 χ^2 /NDF: 2251167.6/19

292.949 $\pm$ 0.054 χ^2 /NDF: 4516987.3/41

307.496 $\pm$ 0.079 χ^2 /NDF: 2203053.0/21

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

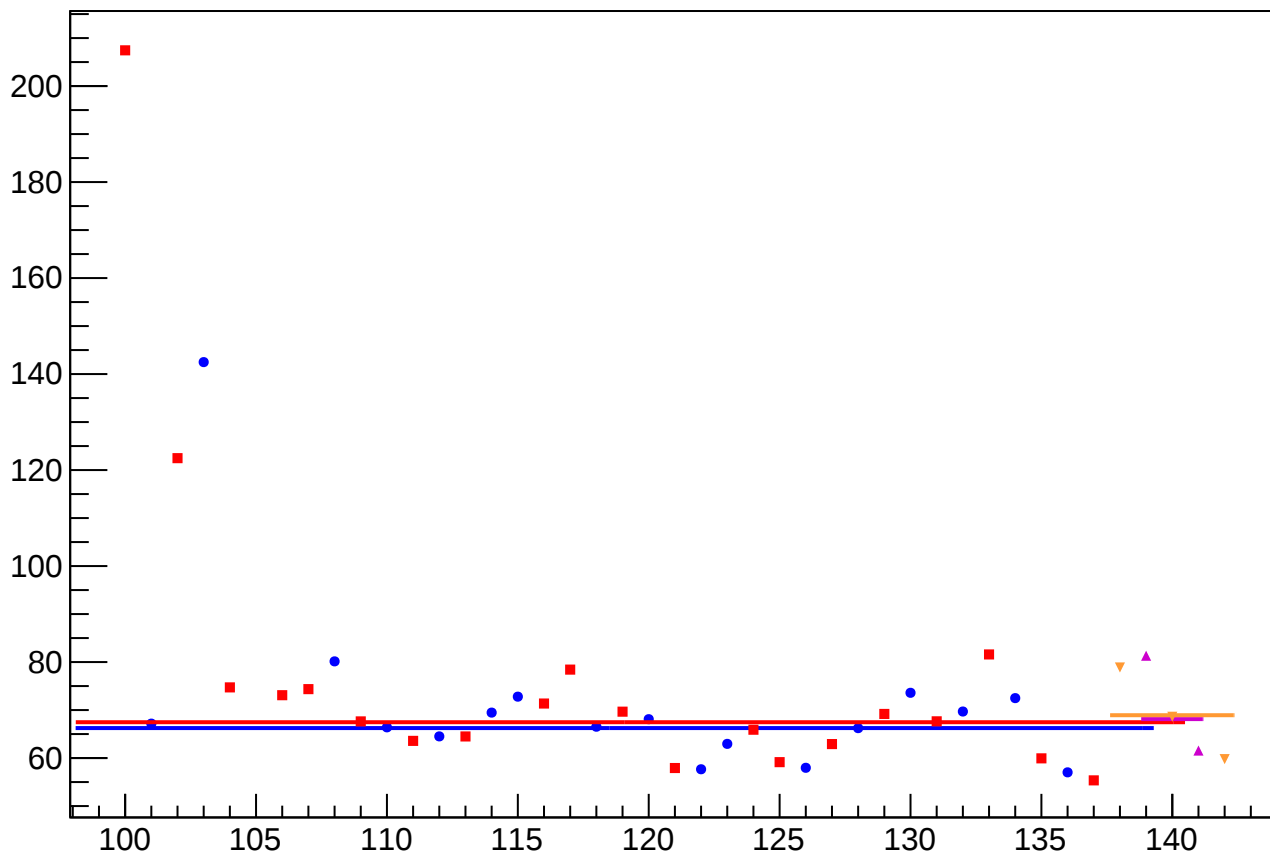
Left In: 28.048+/-55.122 χ^2/NDF : 0.4/1

41.365+/-23.303 χ^2/NDF : 22.8/19

45.973+/-16.568 χ^2/NDF : 43.3/41

50.684+/-23.560 χ^2/NDF : 20.4/21

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 68.926 $\pm$ 0.035 χ^2 /NDF: 42701.5/2

Right Out: 67.466 $\pm$ 0.018 χ^2 /NDF: 395262.8/19

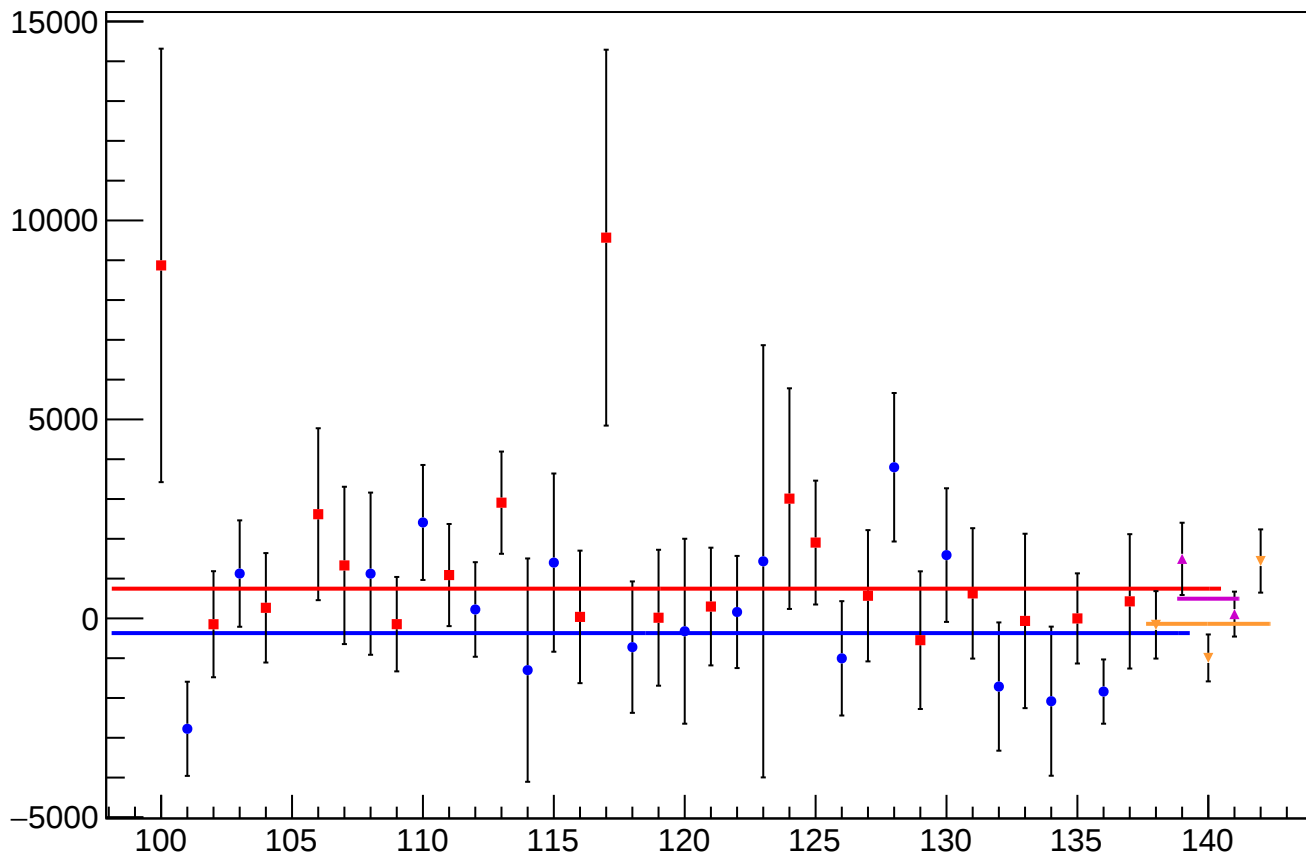
Left In: 68.117 $\pm$ 0.039 χ^2 /NDF: 56962.6/1

66.828 $\pm$ 0.016 χ^2 /NDF: 488135.9/19

67.203 $\pm$ 0.012 χ^2 /NDF: 941632.9/41

67.585 $\pm$ 0.017 χ^2 /NDF: 452453.2/21

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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

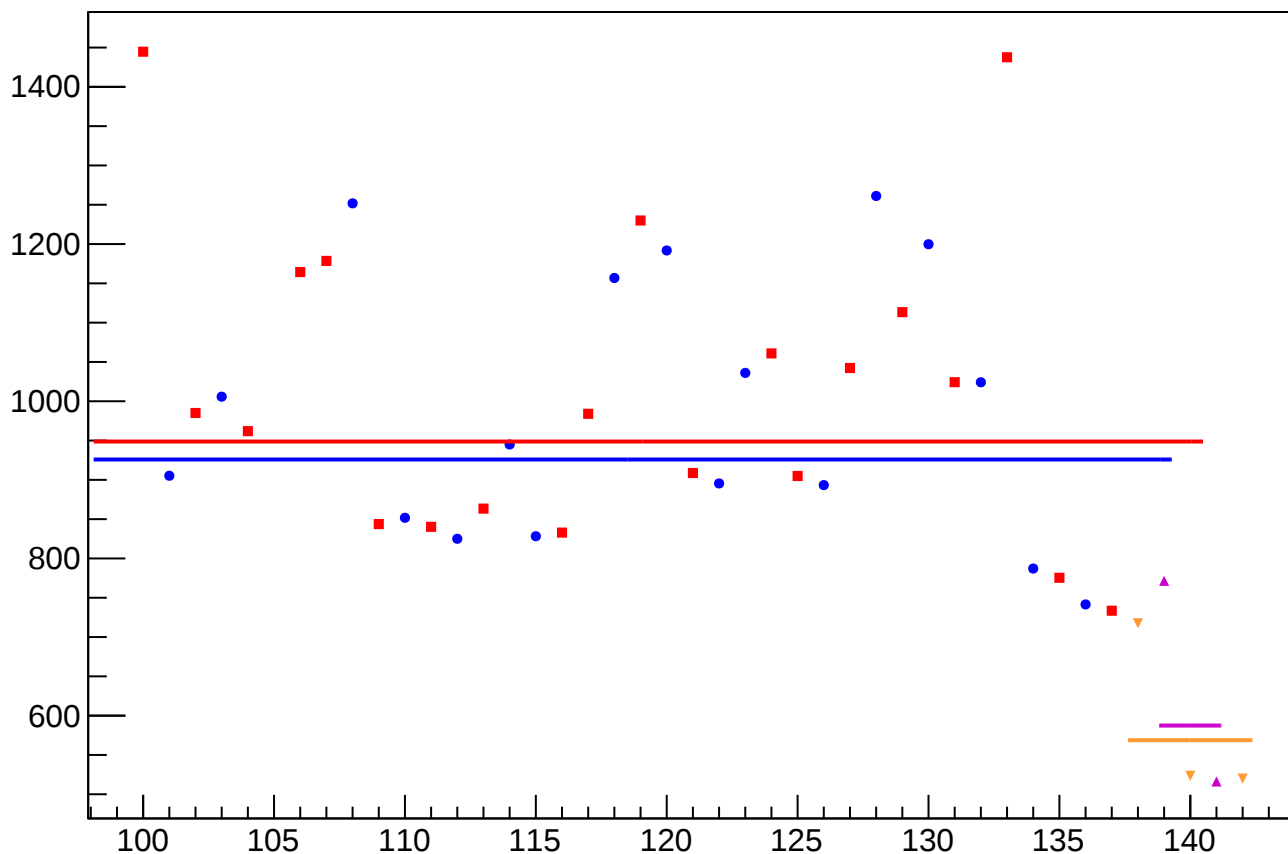
Left In: 494.944+/-479.334 χ^2/NDF : 1.7/1

-267.000+/-274.213 χ^2/NDF : 28.5/19

171.415+/-198.685 χ^2/NDF : 49.2/41

655.963+/-288.280 χ^2/NDF : 15.3/21

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 568.758 $\pm$ 0.292 χ^2 /NDF:80960.3/2

Right Out: 948.760 $\pm$ 0.255 χ^2 /NDF: 382044.0/19

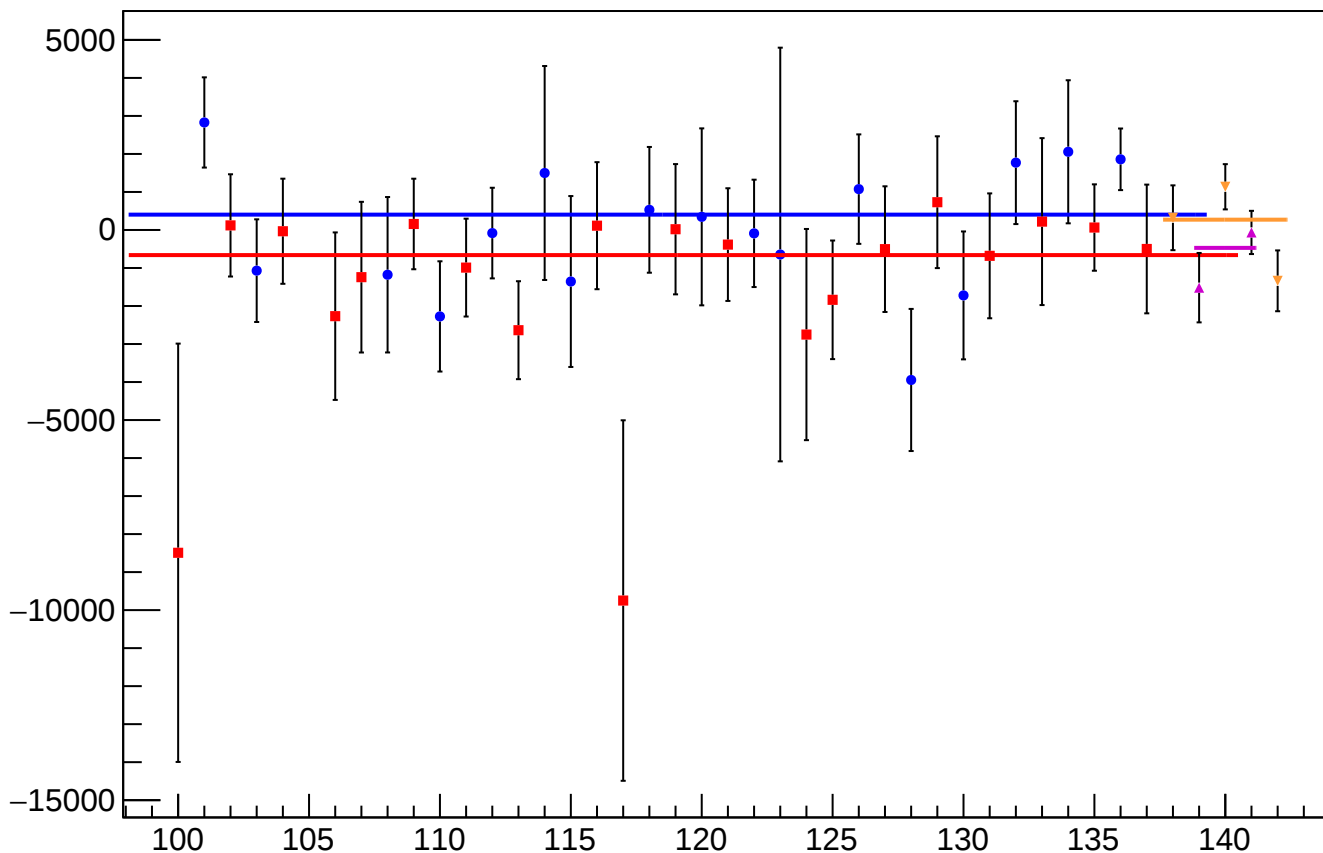
Left In: 587.418 $\pm$ 0.339 χ^2 /NDF:114086.8/1

768.749 $\pm$ 0.194 χ^2 /NDF: 1307917.1/19

792.173 $\pm$ 0.140 χ^2 /NDF: 2560231.5/41

818.061 $\pm$ 0.204 χ^2 /NDF: 1221591.1/21

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

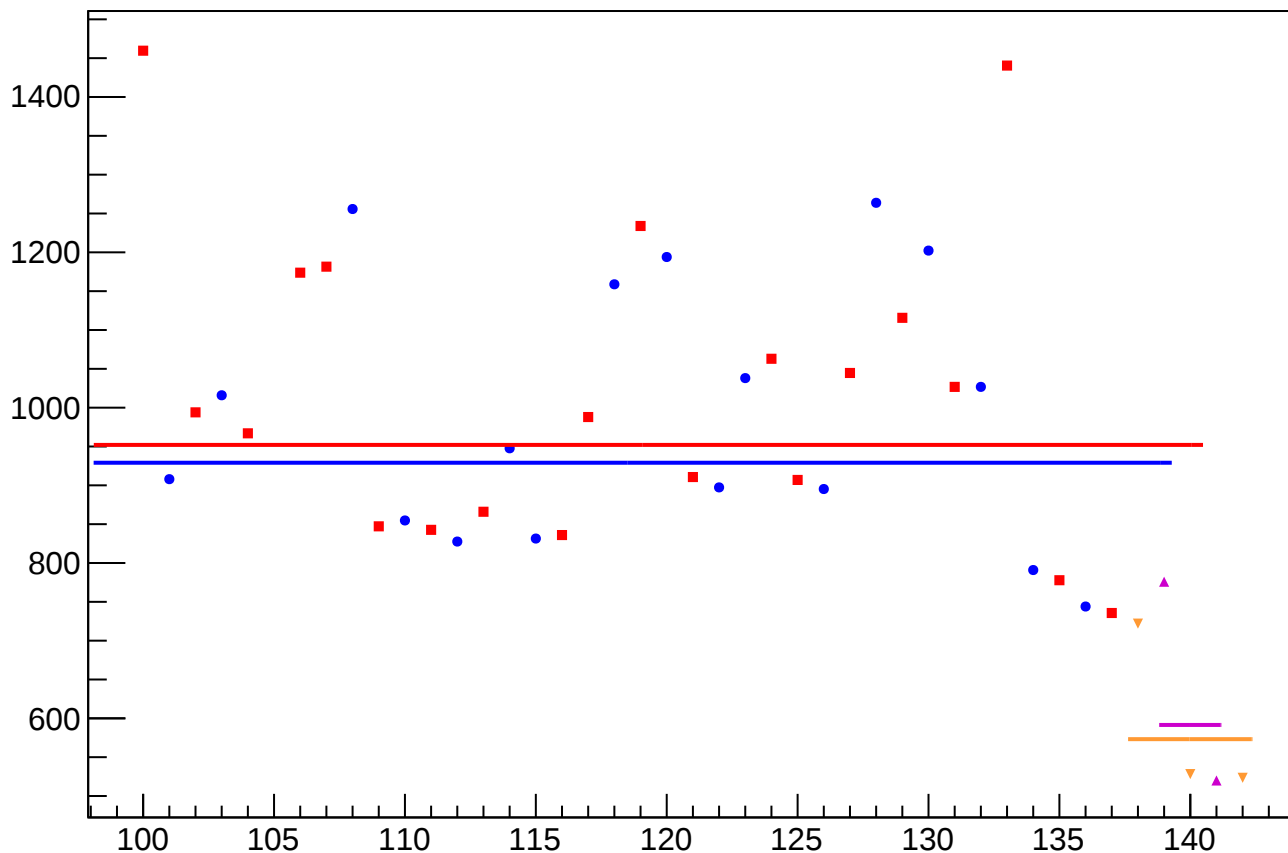
Left In: -470.813+/-482.588 χ^2/NDF : 1.8/1

345.638+/-275.665 χ^2/NDF : 28.6/19

-99.991+/-199.708 χ^2/NDF : 48.6/41

-592.218+/-289.719 χ^2/NDF : 14.4/21

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

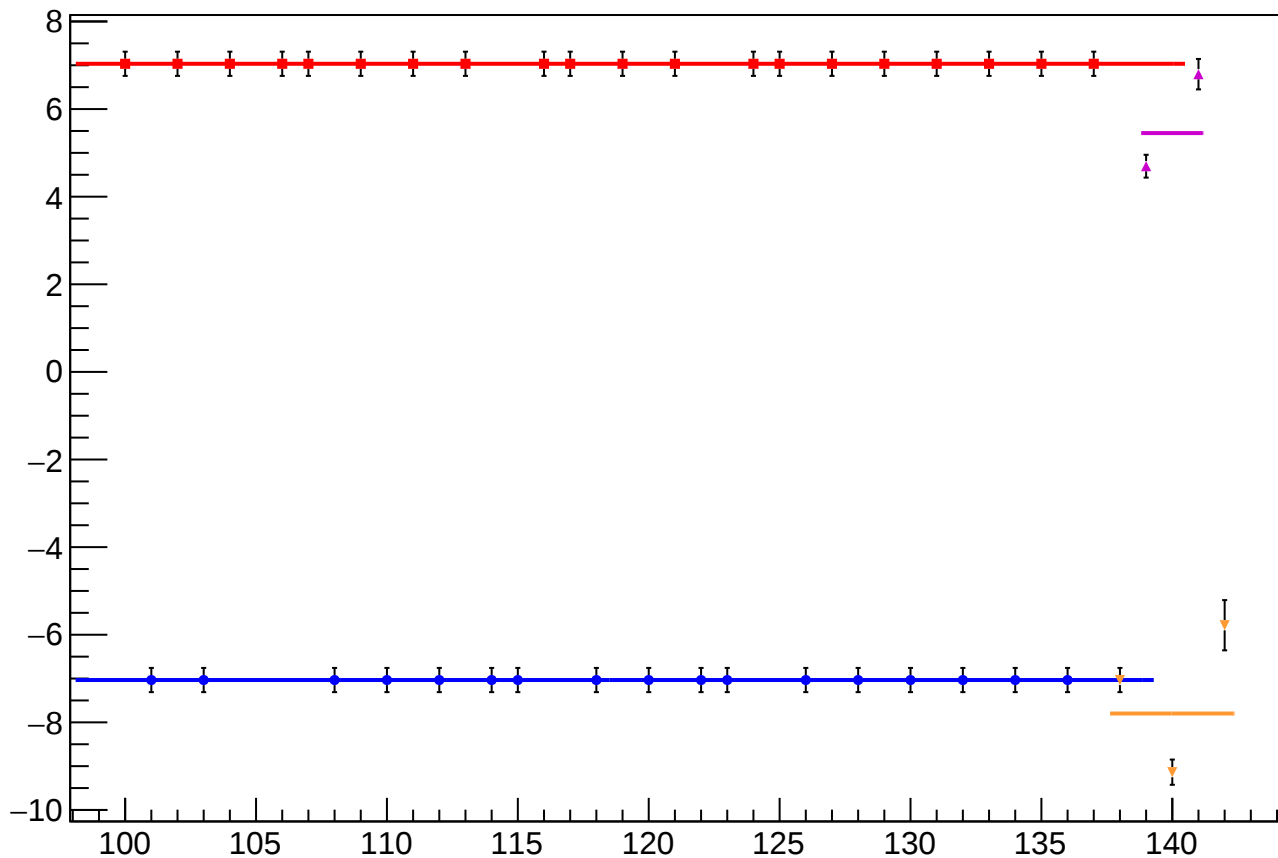
Left In: 591.492+/-0.341 χ^2/NDF : 113247.9/1

773.245+/-0.195 χ^2/NDF : 1290909.6/19

796.461+/-0.141 χ^2/NDF : 2530421.0/41

822.105+/-0.205 χ^2/NDF : 1209657.4/21

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.034+/-0.067 χ^2 /NDF: 0.0/16

Left Out: -7.798+/-0.188 χ^2 /NDF:41.6/2

Right Out: 7.034+/-0.062 χ^2 /NDF: 0.0/19

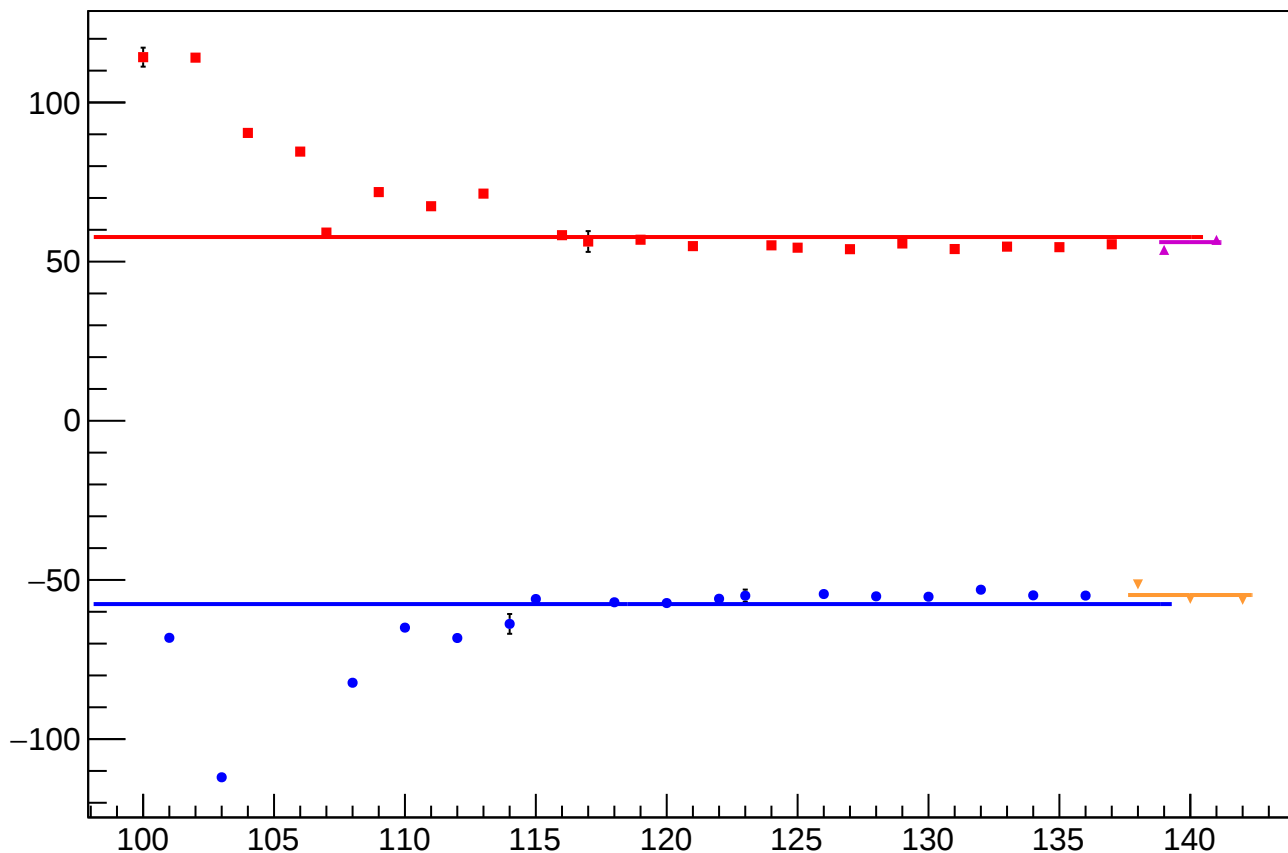
Left In: 5.452+/-0.209 χ^2 /NDF:23.4/1

-7.120+/-0.063 χ^2 /NDF: 56.2/19

0.339+/-0.043 χ^2 /NDF: 26351.1/41

6.906+/-0.059 χ^2 /NDF: 76.3/21

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



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

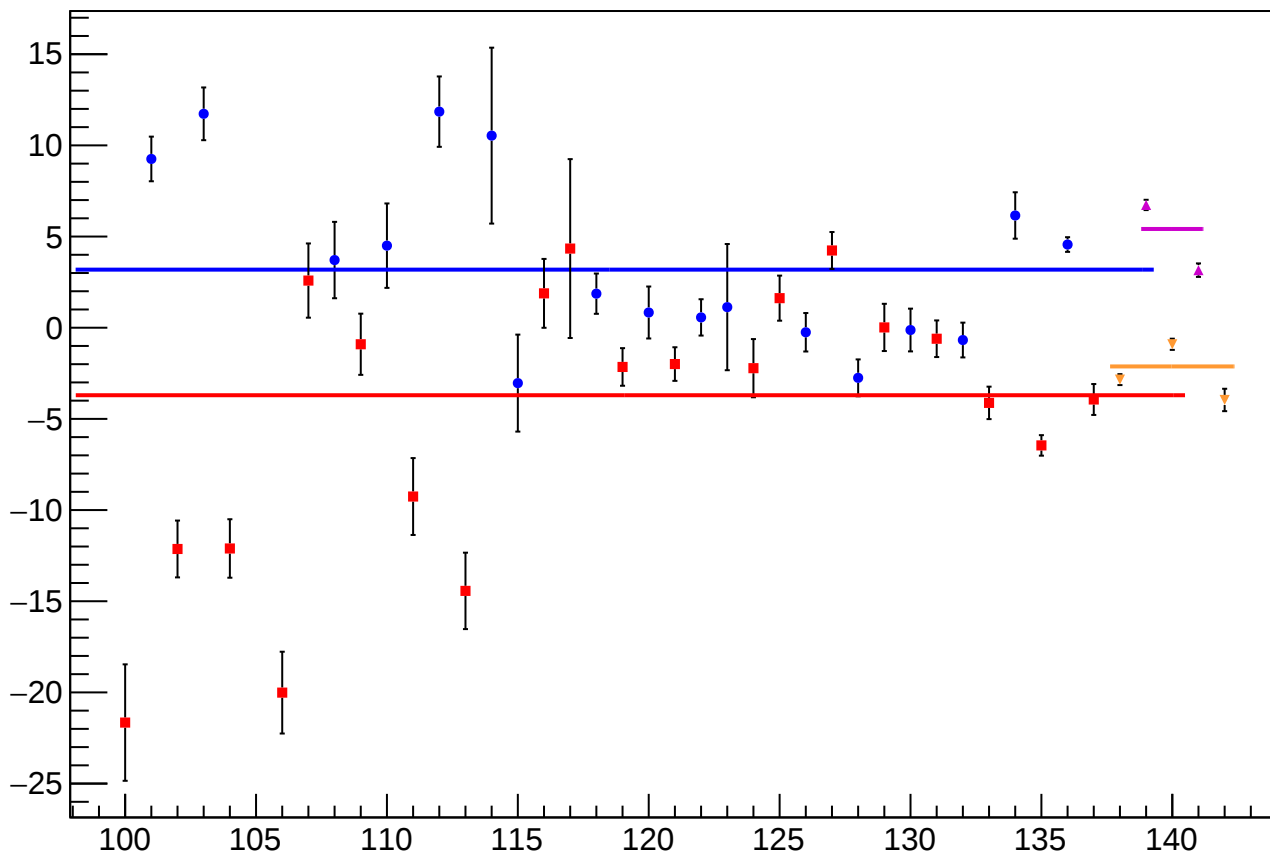
Left In: 56.129 ± 0.221 χ^2/NDF : 35.2/1

-56.405 ± 0.110 χ^2/NDF : 3767.8/19

-4.685 ± 0.081 χ^2/NDF : 497868.5/41

57.258 ± 0.120 χ^2/NDF : 4770.9/21

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



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

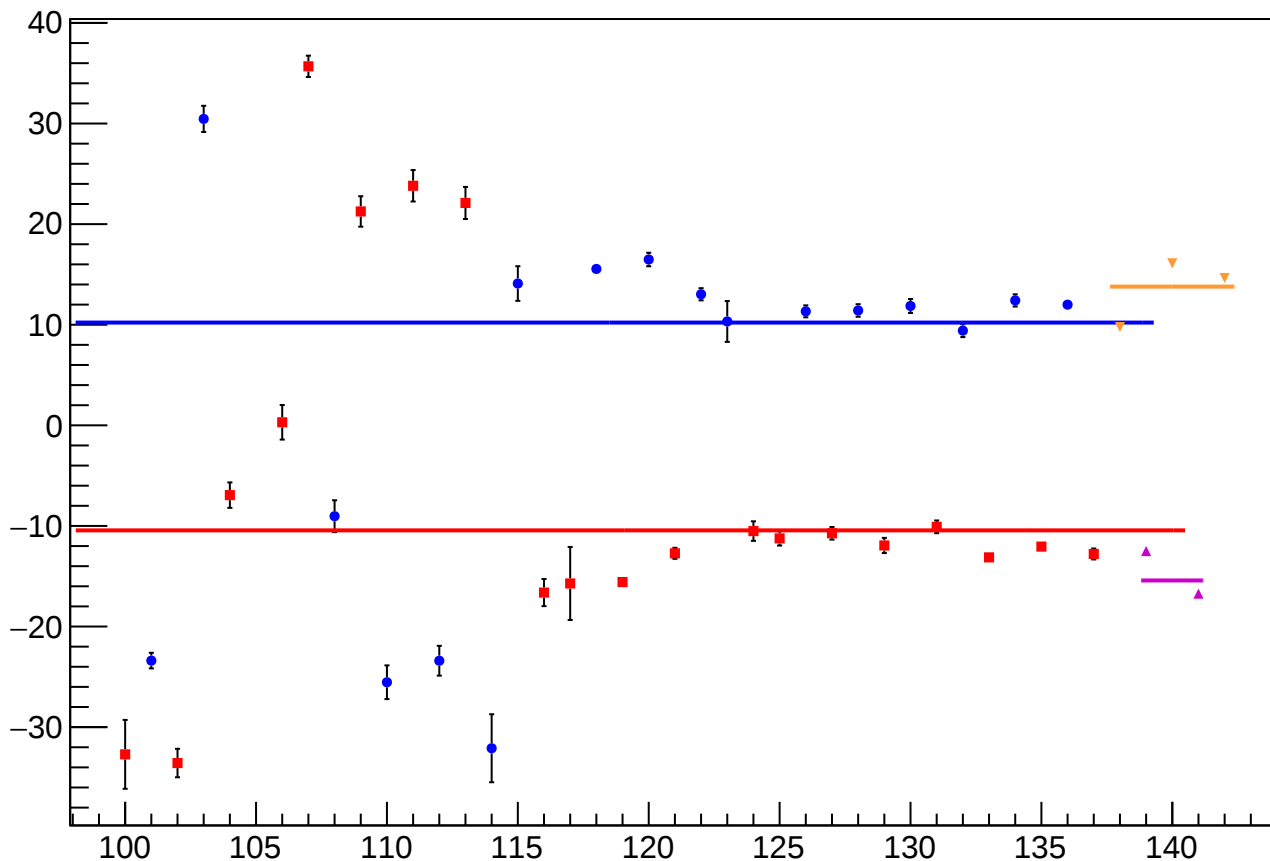
Left In: 5.416 ± 0.225 χ^2/NDF : 59.1/1

-0.108 ± 0.160 χ^2/NDF : 476.9/19

0.702 ± 0.117 χ^2/NDF : 1601.1/41

1.641 ± 0.172 χ^2/NDF : 1068.6/21

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 $\pm$ 0.158 χ^2/NDF : 3692.6/16

Left Out: 13.790 $\pm$ 0.199 χ^2/NDF : 197.6/2

Right Out: -10.440 $\pm$ 0.160 χ^2/NDF : 3829.1/19

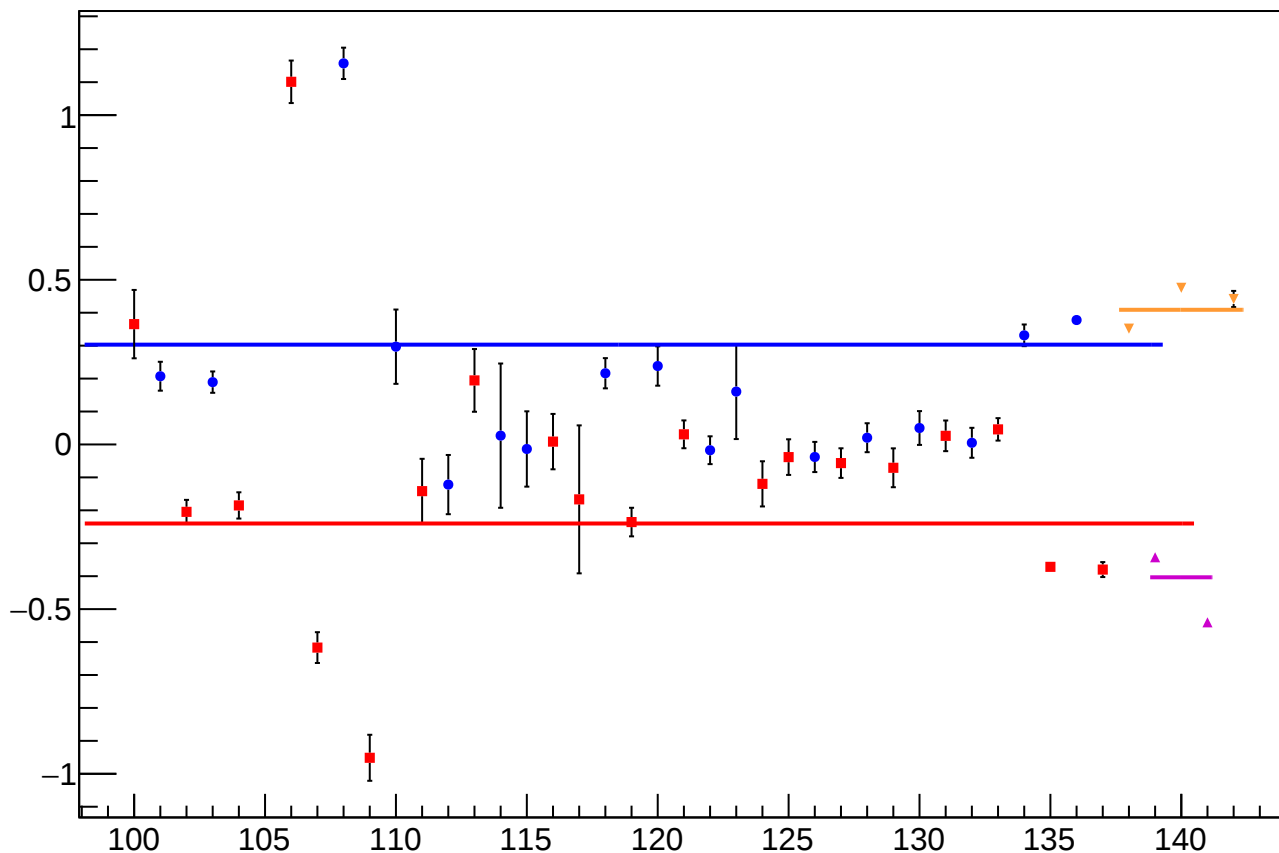
Left In: -15.422 $\pm$ 0.249 χ^2/NDF : 61.6/1

11.595 $\pm$ 0.124 χ^2/NDF : 4087.5/19

0.824 $\pm$ 0.091 χ^2/NDF : 24743.1/41

-11.891 $\pm$ 0.135 χ^2/NDF : 4173.3/21

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



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

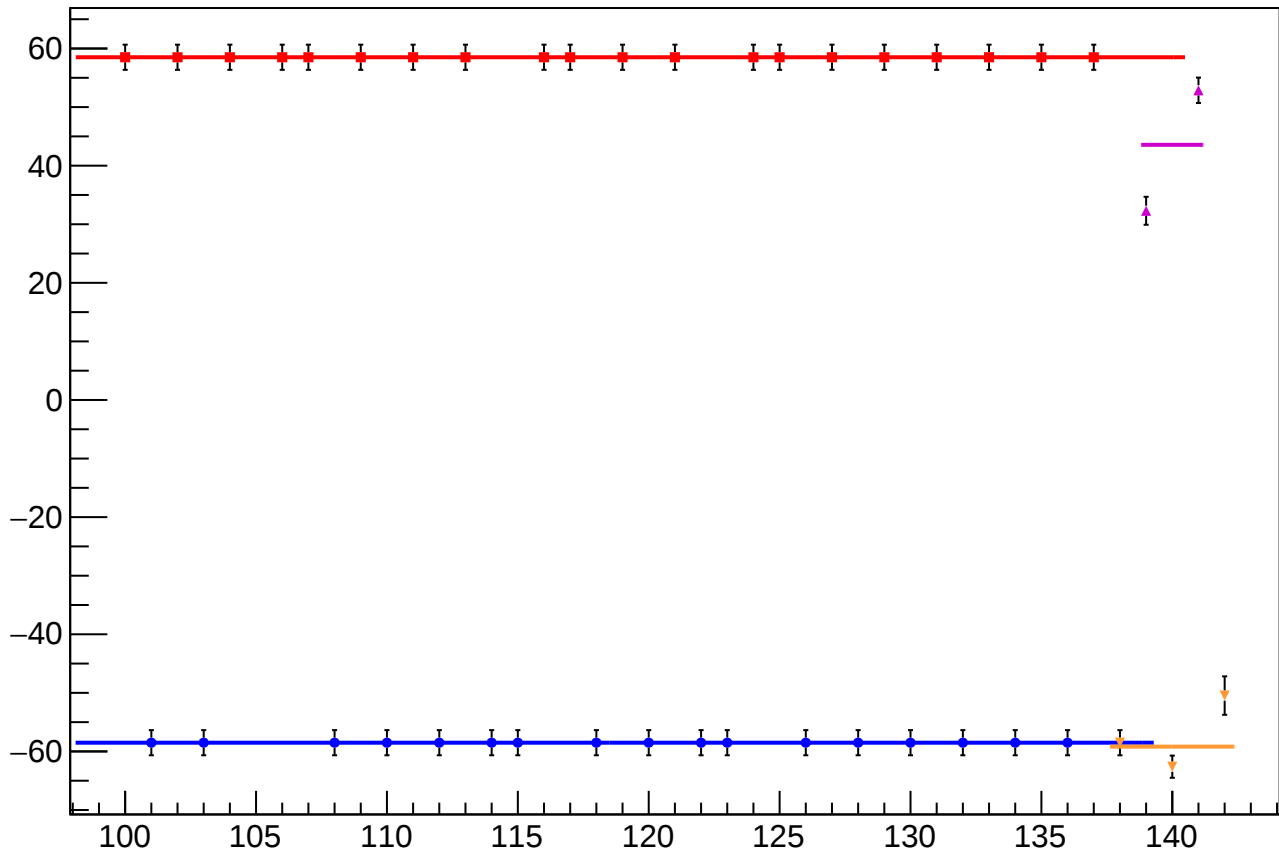
Left In: -0.403 ± 0.008 χ^2/NDF : 122.2/1

0.356 ± 0.006 χ^2/NDF : 781.1/19

0.023 ± 0.004 χ^2/NDF : 8802.1/41

-0.324 ± 0.006 χ^2/NDF : 1296.4/21

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -58.509 $\pm$ 0.521 χ^2 /NDF: 0.0/16

Left Out: -59.178 $\pm$ 1.304 χ^2 /NDF:10.4/2

Right Out: 58.509 $\pm$ 0.480 χ^2 /NDF: 0.0/19

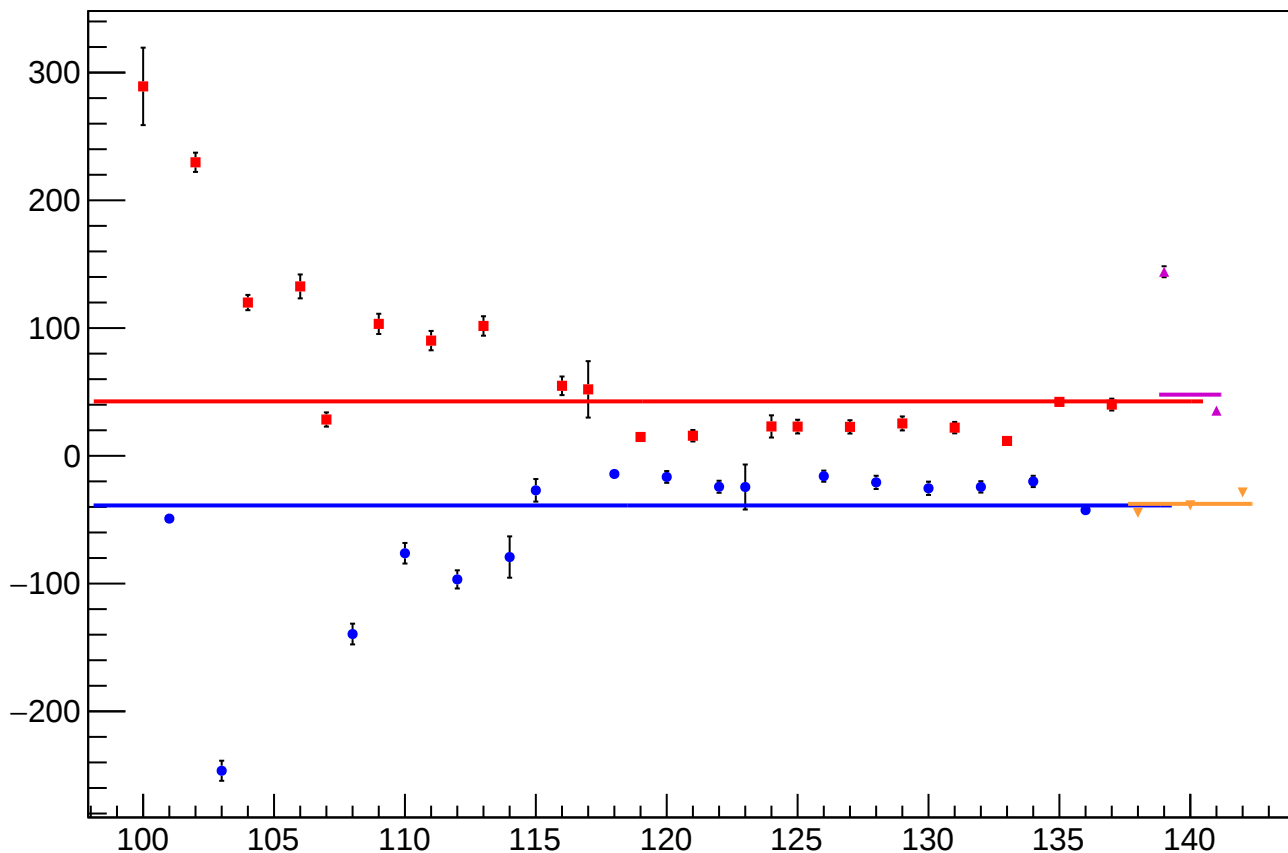
Left In: 43.560 $\pm$ 1.606 χ^2 /NDF:40.6/1

-58.601 $\pm$ 0.484 χ^2 /NDF: 10.6/19

2.239 $\pm$ 0.333 χ^2 /NDF: 30245.0/41

57.282 $\pm$ 0.460 χ^2 /NDF: 120.2/21

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 1345.9/19$

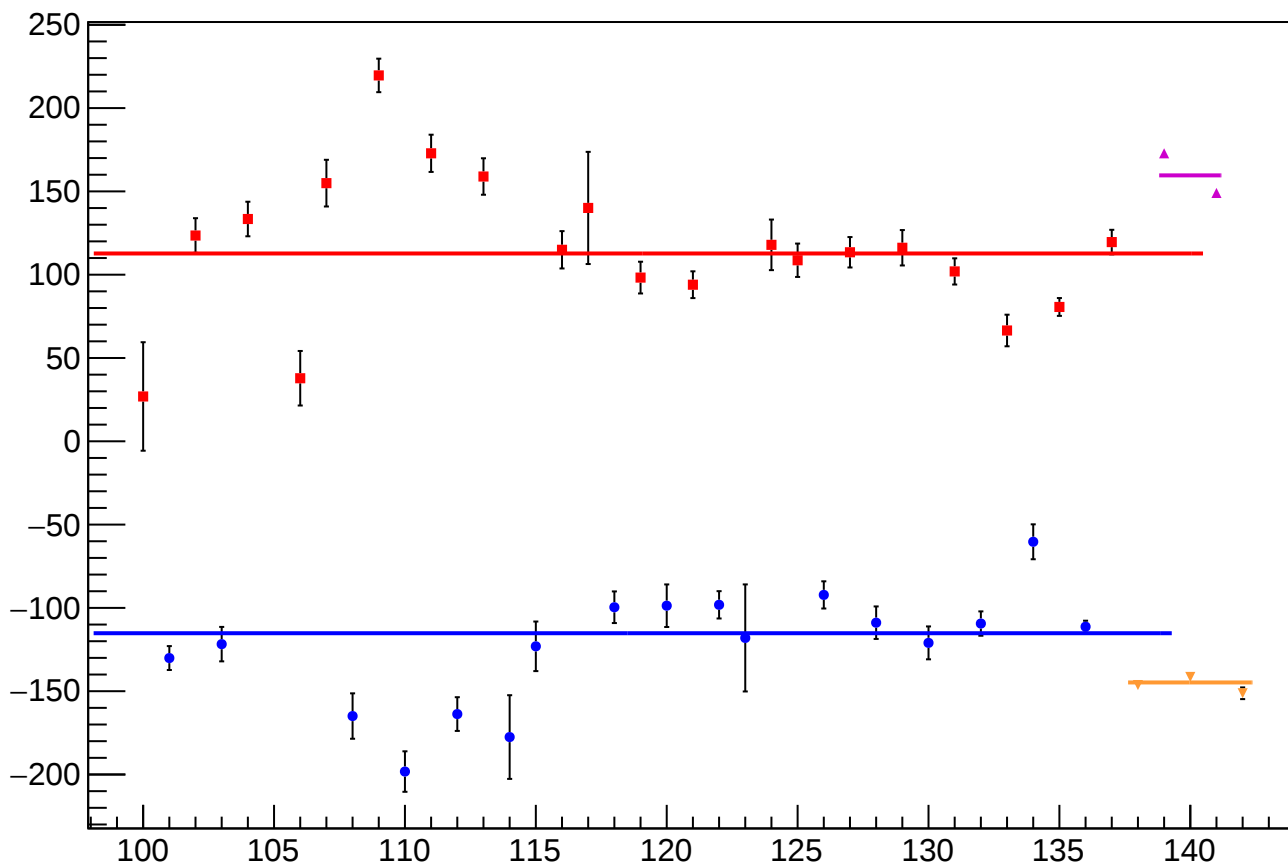
Left In: 47.890 ± 1.452 $\chi^2/\text{NDF}: 570.5/1$

-38.172 ± 0.782 $\chi^2/\text{NDF}: 1152.7/19$

-3.755 ± 0.598 $\chi^2/\text{NDF}: 7743.0/41$

44.773 ± 0.929 $\chi^2/\text{NDF}: 1924.1/21$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 273.1/19$

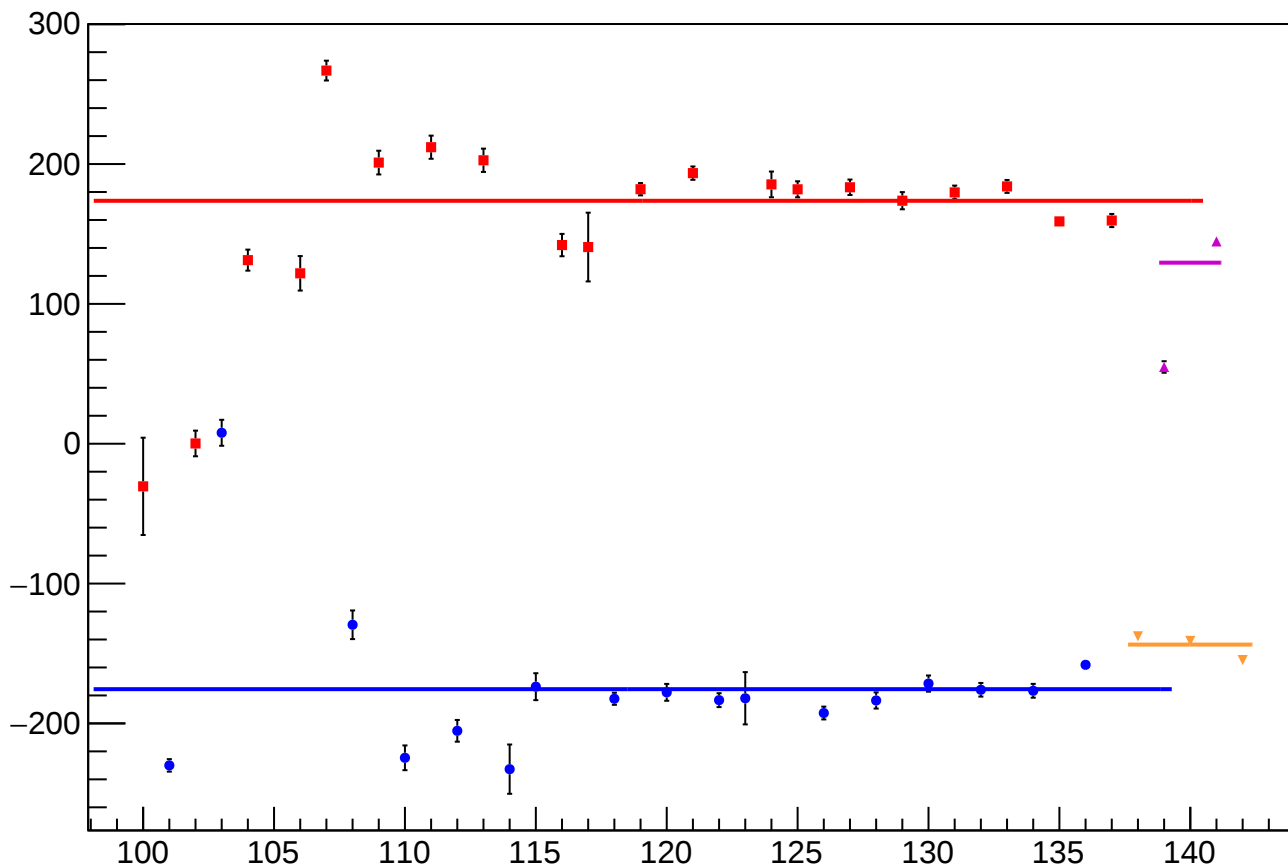
Left In: 159.609 ± 1.722 $\chi^2/\text{NDF}: 47.1/1$

-135.555 ± 1.161 $\chi^2/\text{NDF}: 286.2/19$

-18.321 ± 0.882 $\chi^2/\text{NDF}: 25010.4/41$

141.844 ± 1.357 $\chi^2/\text{NDF}: 601.0/21$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



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

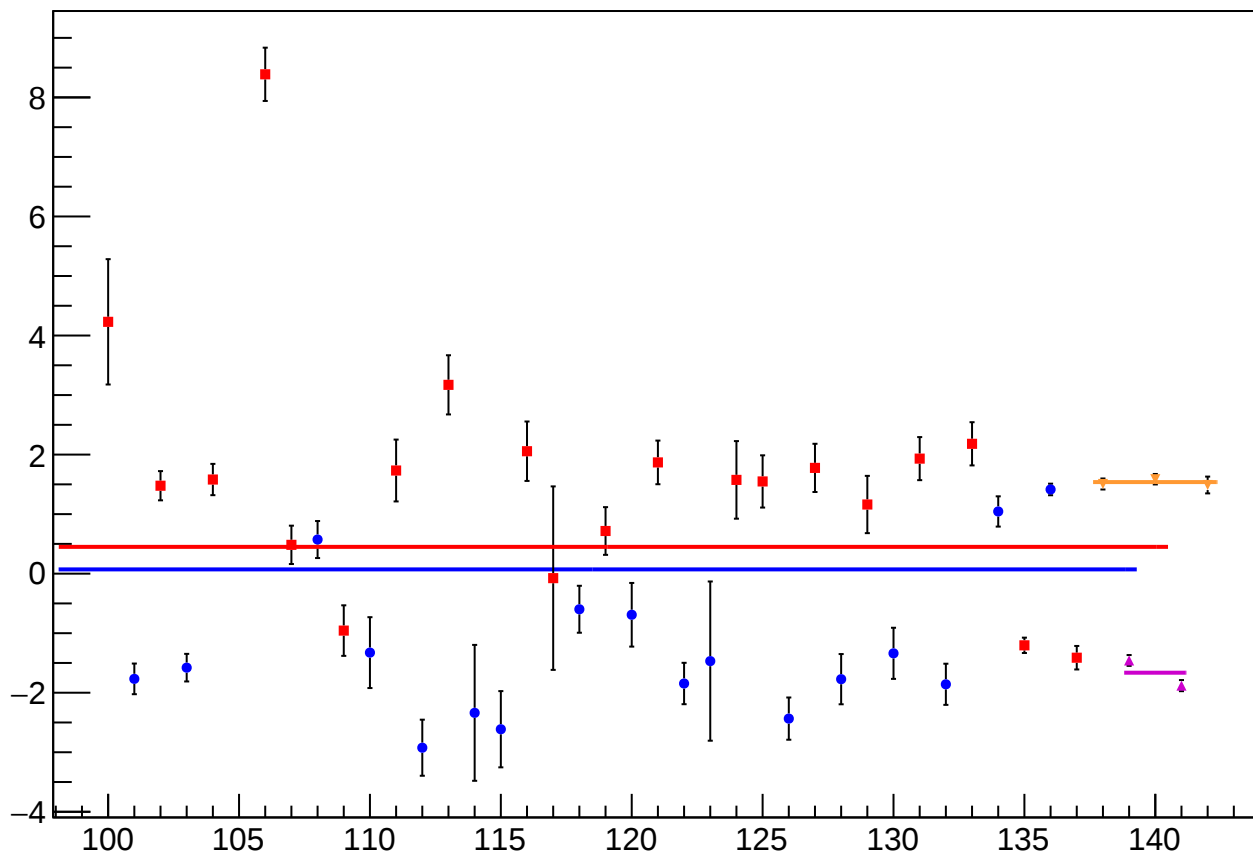
Left In: 129.466 ± 1.695 χ^2/NDF : 394.5/1

-159.558 ± 0.903 χ^2/NDF : 1031.8/19

-26.462 ± 0.687 χ^2/NDF : 54212.6/41

156.484 ± 1.058 χ^2/NDF : 1550.2/21

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.538 ± 0.058 χ^2/NDF : 0.5/2

Right Out: 0.450 ± 0.071 χ^2/NDF : 751.4/19

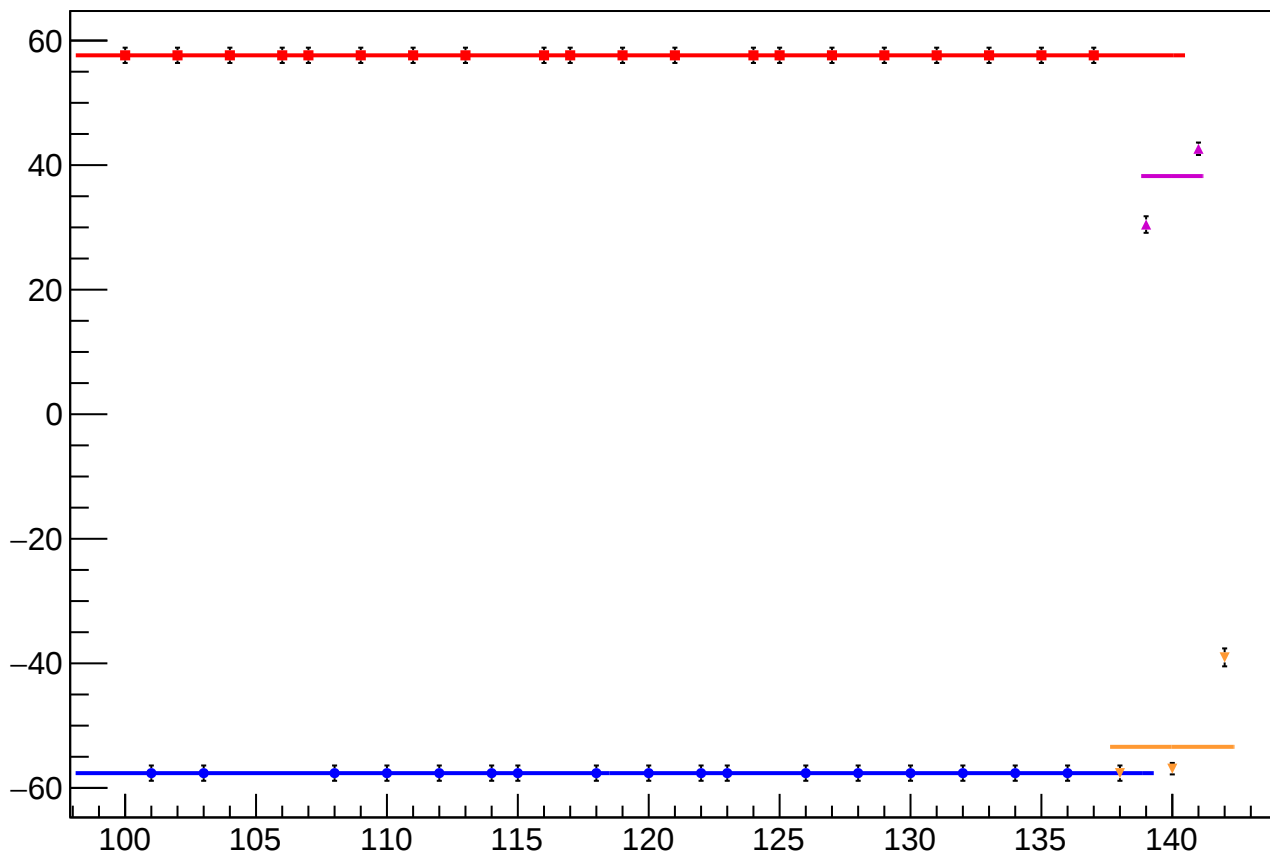
Left In: -1.664 ± 0.065 χ^2/NDF : 10.5/1

0.911 ± 0.044 χ^2/NDF : 798.8/19

0.177 ± 0.032 χ^2/NDF : 2654.3/41

-0.702 ± 0.048 χ^2/NDF : 1241.6/21

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -57.628 ± 0.298 χ^2/NDF : 0.0/16

Left Out: -53.403 ± 0.657 χ^2/NDF : 125.6/2

Right Out: 57.628 ± 0.275 χ^2/NDF : 0.0/19

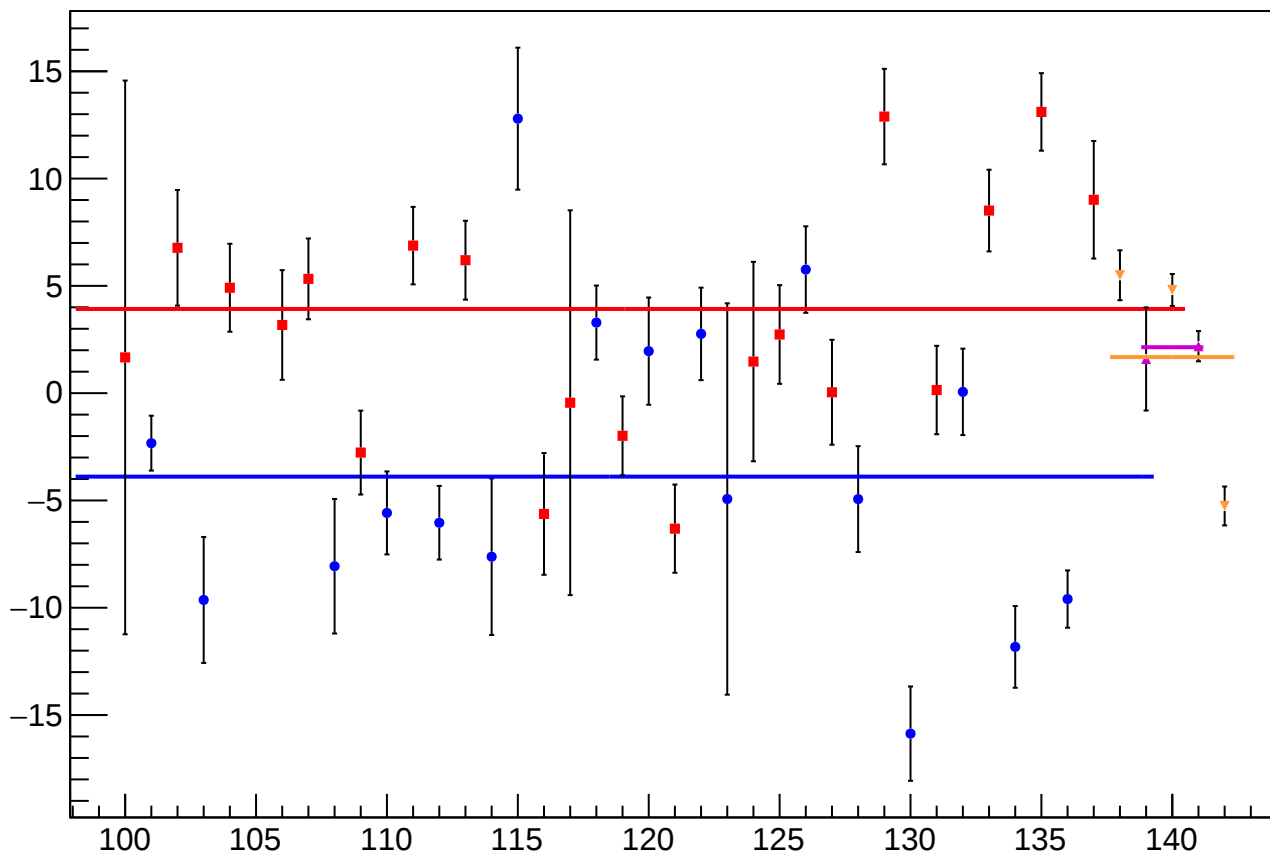
Left In: 38.242 ± 0.798 χ^2/NDF : 53.5/1

-56.906 ± 0.272 χ^2/NDF : 159.9/19

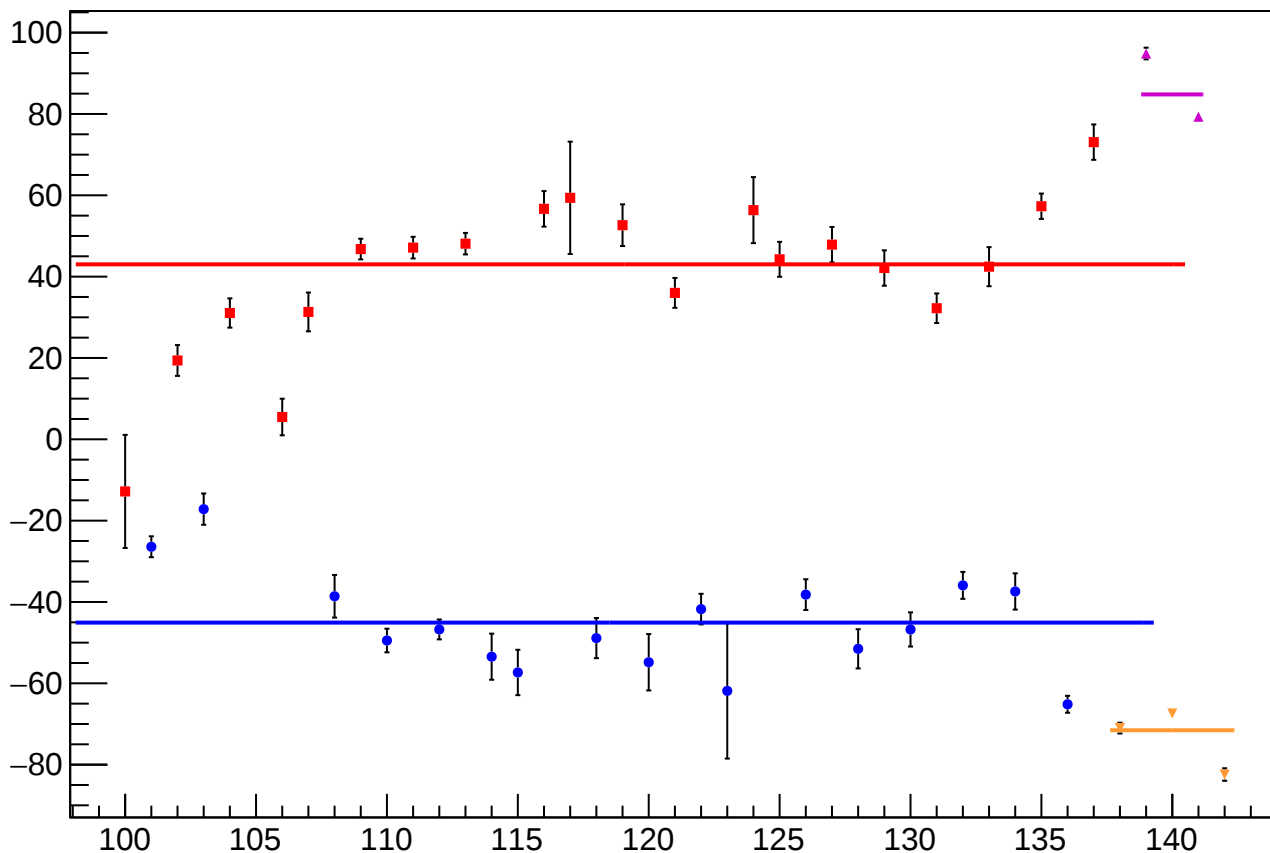
1.784 ± 0.188 χ^2/NDF : 90296.3/41

55.574 ± 0.260 χ^2/NDF : 580.6/21

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



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

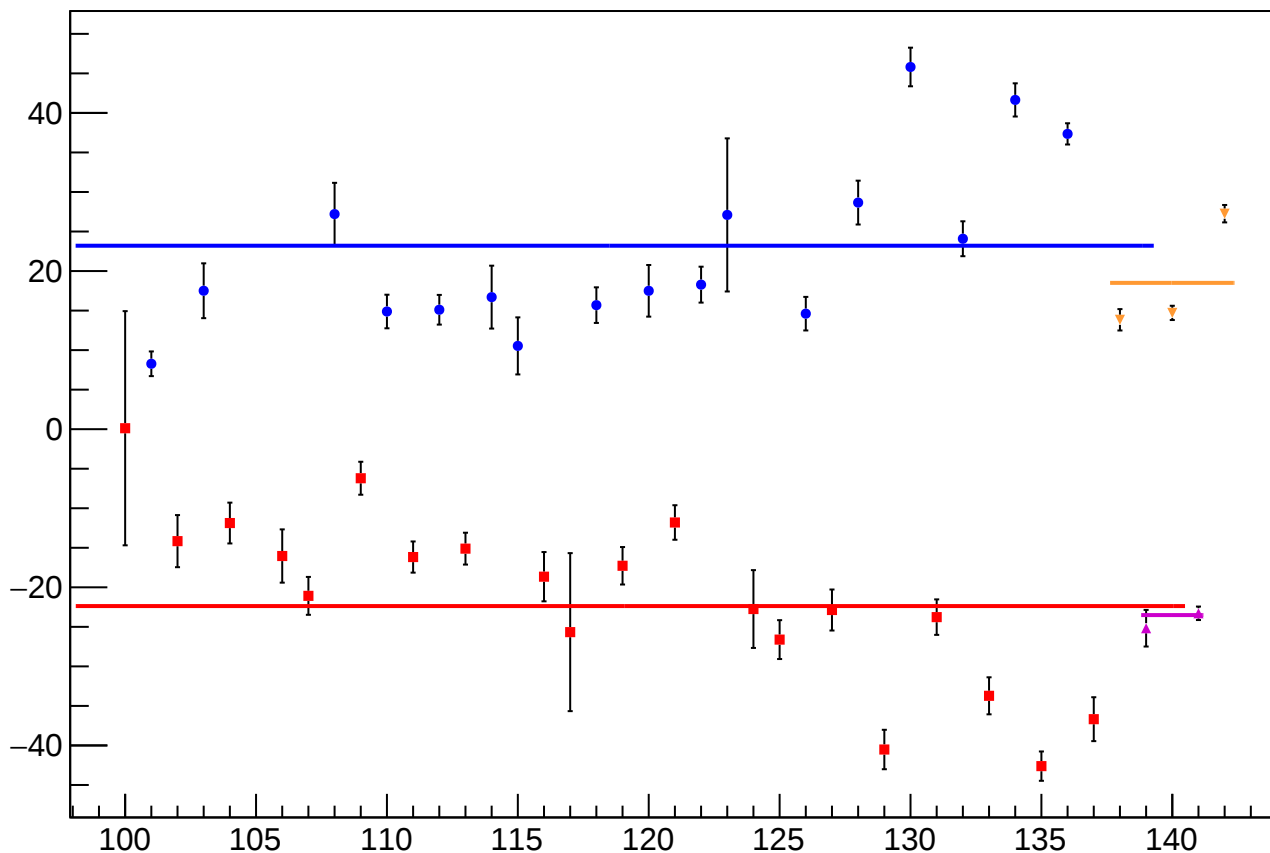
Left In: 84.807±/0.854 χ^2/NDF : 75.4/1

-61.266±/0.550 χ^2/NDF : 846.7/19

-5.028±/0.409 χ^2/NDF : 25680.0/41

64.441±/0.612 χ^2/NDF : 1490.9/21

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



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

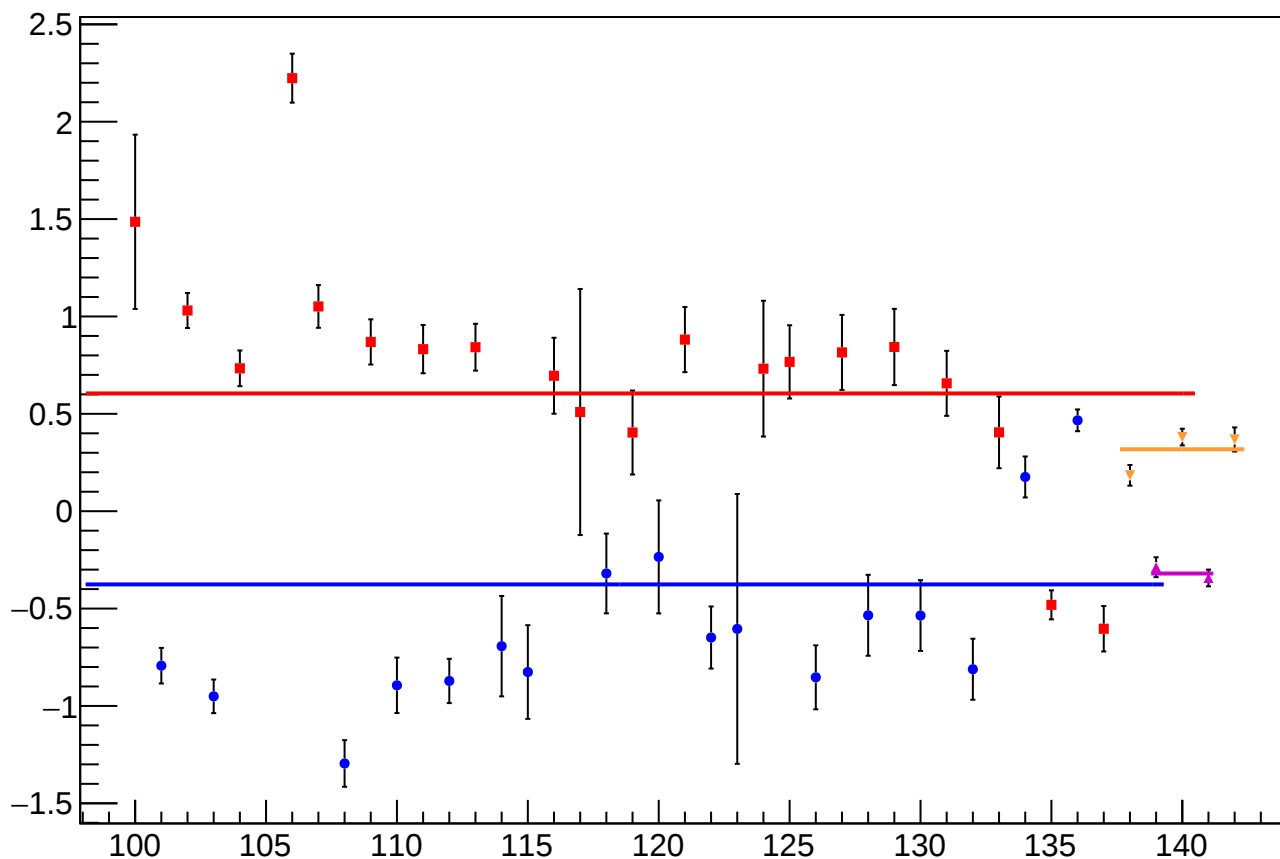
Left In: -23.511±/0.800 χ^2/NDF : 0.6/1

21.100±/0.415 χ^2/NDF : 581.7/19

1.649±/0.310 χ^2/NDF : 5900.6/41

-22.757±/0.465 χ^2/NDF : 368.9/21

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 χ^2/NDF : 437.3/16

Left Out: 0.318 ± 0.029 χ^2/NDF : 9.1/2

Right Out: 0.605 ± 0.030 χ^2/NDF : 551.2/19

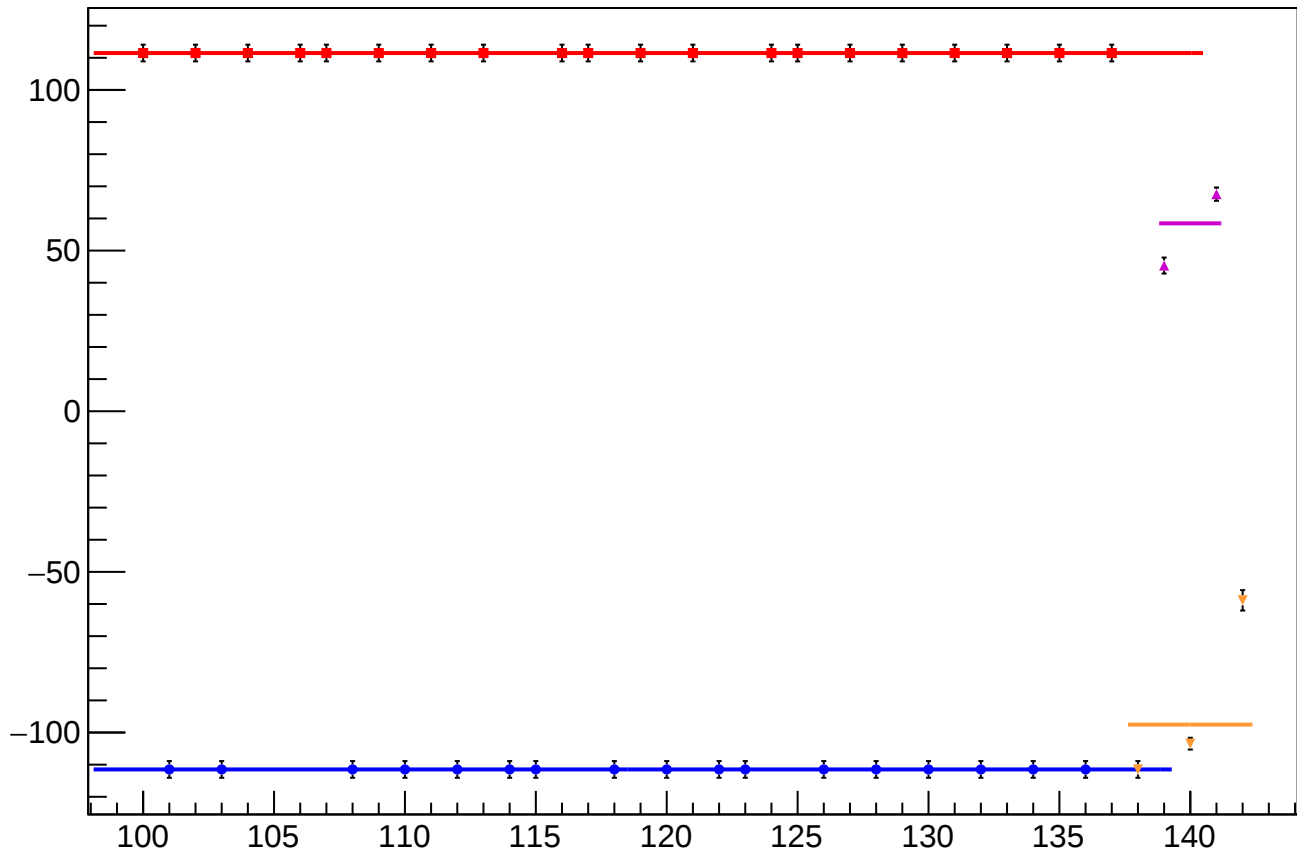
Left In: -0.320 ± 0.033 χ^2/NDF : 0.7/1

-0.020 ± 0.021 χ^2/NDF : 718.6/19

0.075 ± 0.015 χ^2/NDF : 1743.3/41

0.181 ± 0.022 χ^2/NDF : 981.4/21

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

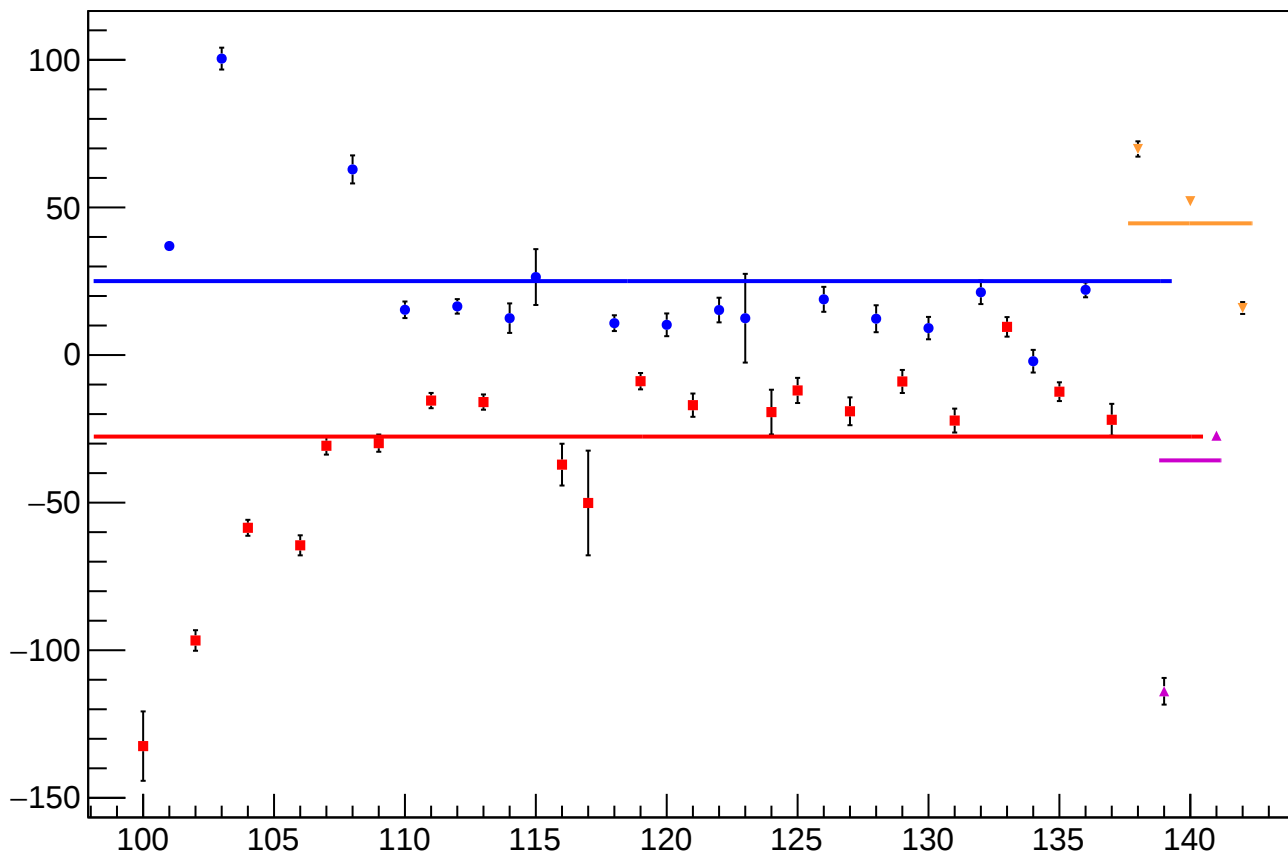
Left In: 58.475 $\pm$ 1.595 χ^2/NDF :47.0/1

-108.998 $\pm$ 0.573 χ^2/NDF : 274.0/19

3.012 $\pm$ 0.396 χ^2/NDF : 74503.9/41

105.248 $\pm$ 0.547 χ^2/NDF : 1022.2/21

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16

Left Out: 44.613 ± 1.091 χ^2/NDF : 322.8/2

Right Out: -27.620 ± 0.809 χ^2/NDF : 1014.4/19

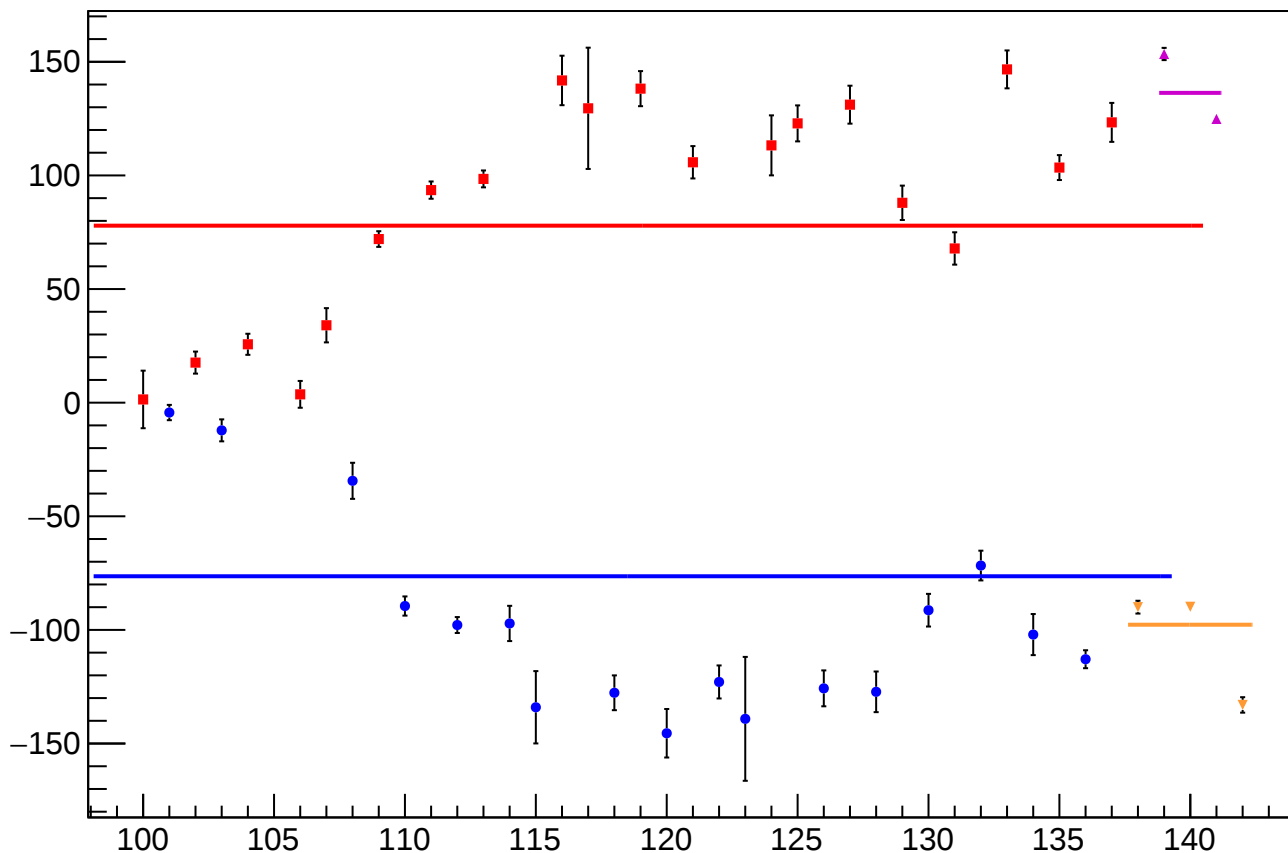
Left In: -35.685 ± 1.404 χ^2/NDF : 331.9/1

31.960 ± 0.648 χ^2/NDF : 1217.4/19

3.568 ± 0.476 χ^2/NDF : 6748.9/41

-29.630 ± 0.701 χ^2/NDF : 1371.1/21

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392±1.416 χ^2/NDF : 1031.9/16

Left Out: -97.715±1.452 χ^2/NDF :131.3/2

Right Out: 77.894±1.351 χ^2/NDF : 876.4/19

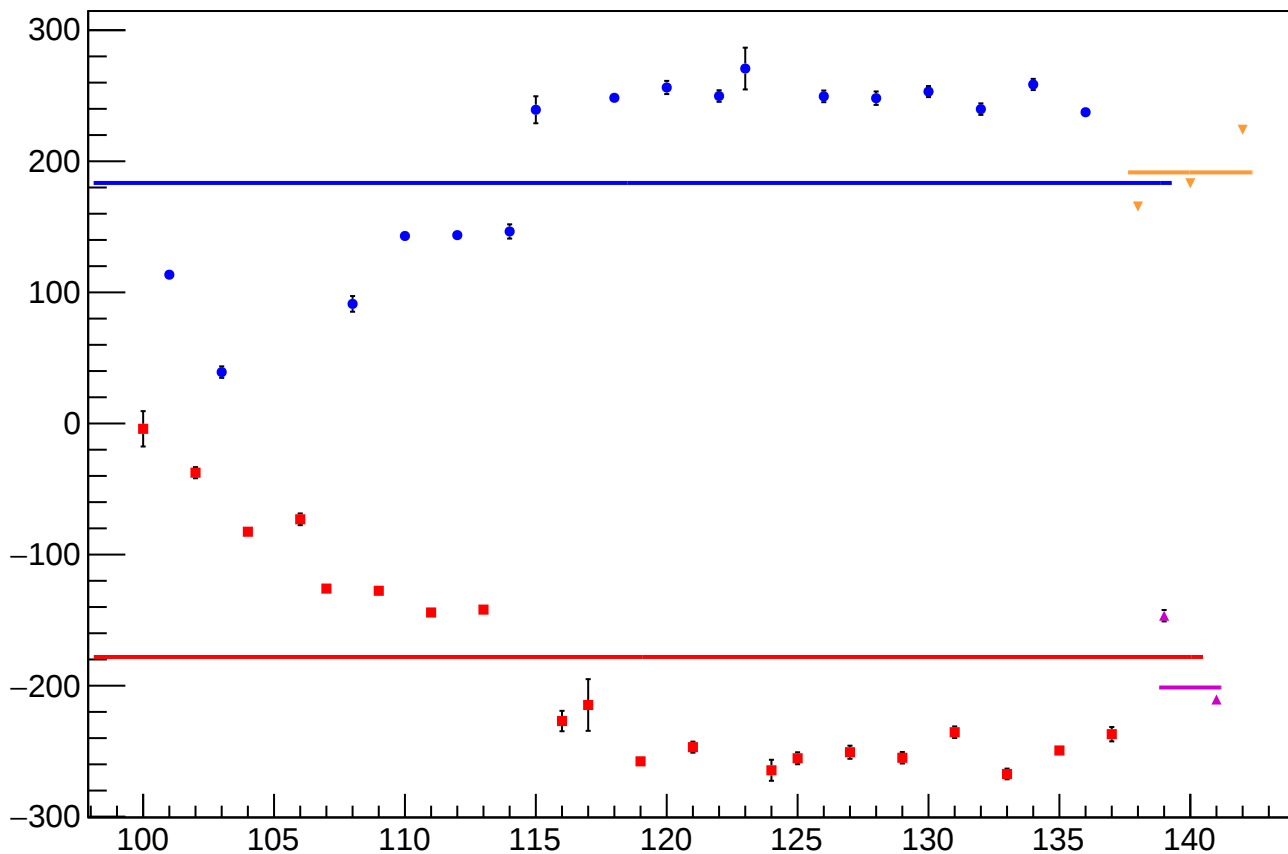
Left In: 136.332±1.707 χ^2/NDF :67.3/1

-86.785±1.014 χ^2/NDF : 1273.8/19

2.698±0.733 χ^2/NDF : 19230.4/41

100.398±1.059 χ^2/NDF : 1664.2/21

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478+/-0.919 χ^2/NDF : 5331.4/16

Left Out: 191.511+/-1.305 χ^2/NDF : 276.3/2

Right Out: -178.092+/-0.923 χ^2/NDF : 6349.2/19

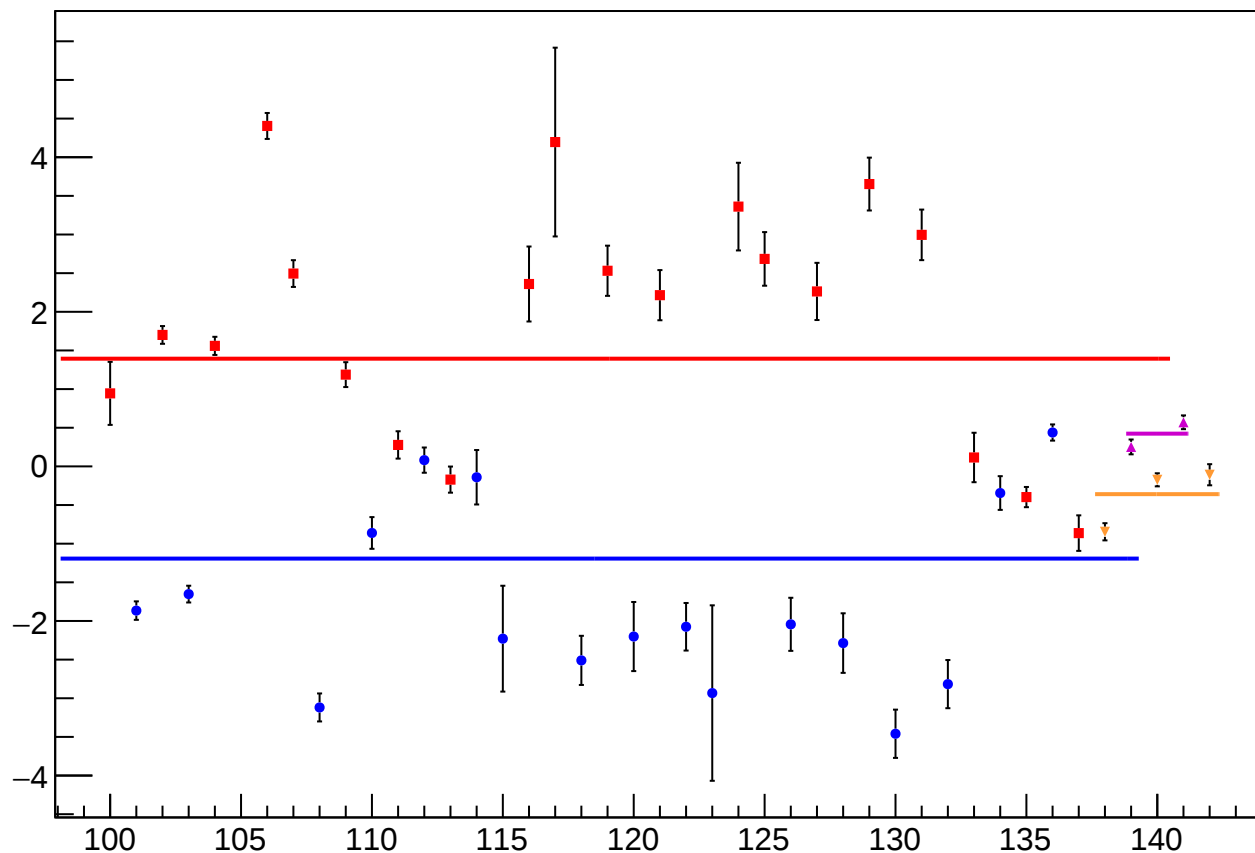
Left In: -201.382+/-1.646 χ^2/NDF : 184.9/1

186.139+/-0.751 χ^2/NDF : 5633.0/19

13.999+/-0.549 χ^2/NDF : 125126.3/41

-183.664+/-0.805 χ^2/NDF : 6686.5/21

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



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

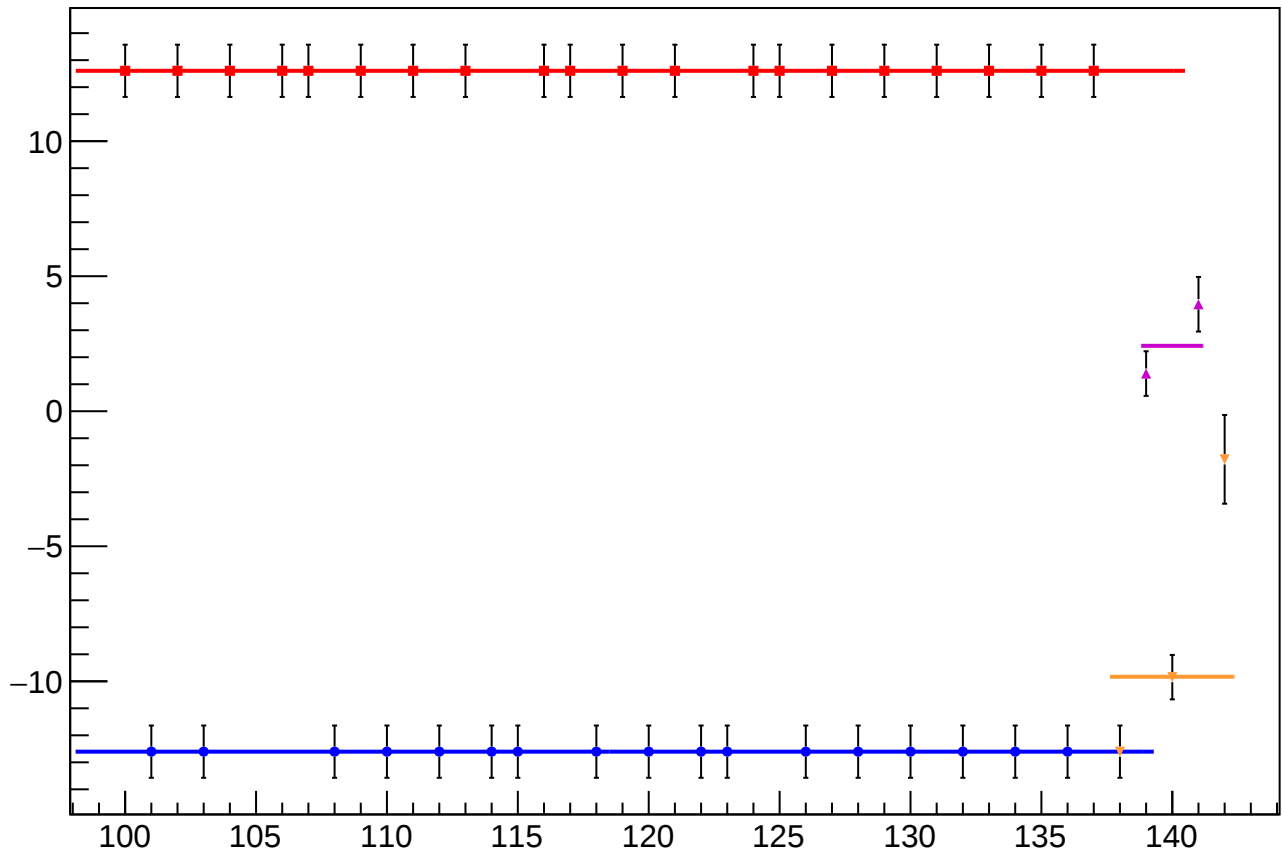
Left In: 0.424 ± 0.065 χ^2/NDF : 5.9/1

-0.869 ± 0.038 χ^2/NDF : 765.4/19

0.107 ± 0.027 χ^2/NDF : 3181.2/41

1.073 ± 0.037 χ^2/NDF : 1079.8/21

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -12.605 ± 0.235 χ^2/NDF : 0.0/16

Left Out: -9.832 ± 0.586 χ^2/NDF : 32.2/2

Right Out: 12.605 ± 0.216 χ^2/NDF : 0.0/19

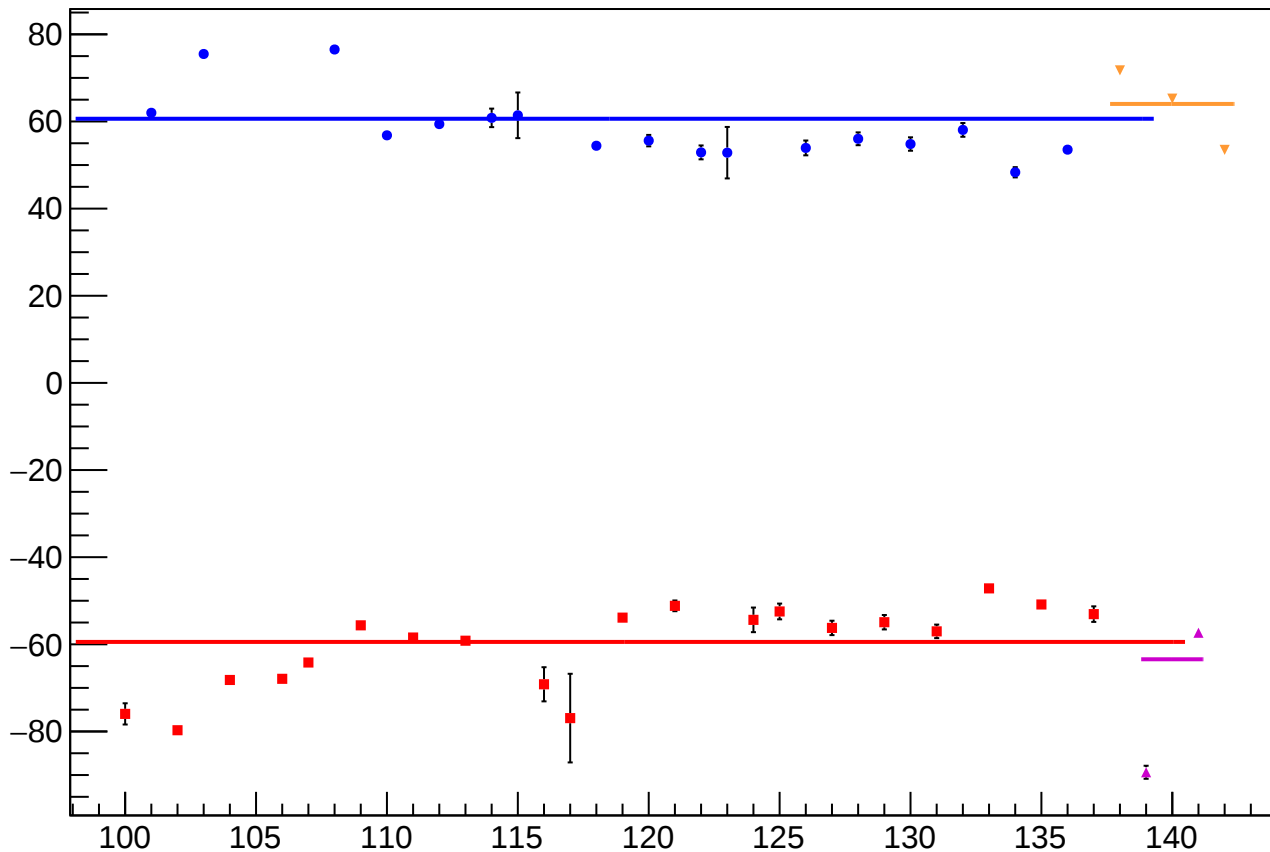
Left In: 2.422 ± 0.640 χ^2/NDF : 3.9/1

-12.221 ± 0.218 χ^2/NDF : 51.6/19

0.393 ± 0.149 χ^2/NDF : 6602.9/41

11.559 ± 0.205 χ^2/NDF : 231.3/21

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625+/-0.263 χ^2 /NDF: 924.6/16

Left Out: 64.024+/-0.502 χ^2 /NDF:160.0/2

Right Out: -59.448+/-0.248 χ^2 /NDF: 1326.3/19

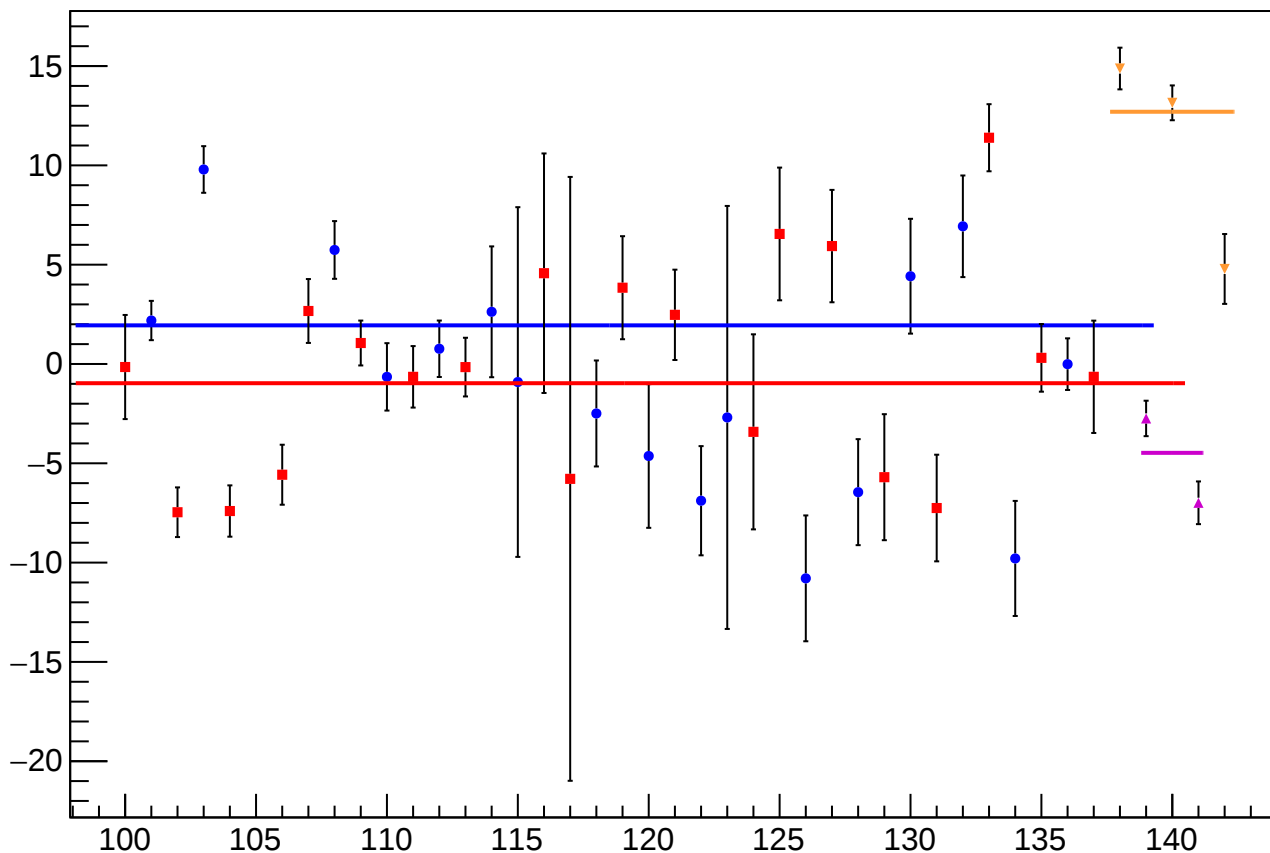
Left In: -63.434+/-0.653 χ^2 /NDF:370.0/1

61.357+/-0.233 χ^2 /NDF: 1120.5/19

0.342+/-0.164 χ^2 /NDF: 139169.4/41

-59.949+/-0.232 χ^2 /NDF: 1728.8/21

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



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

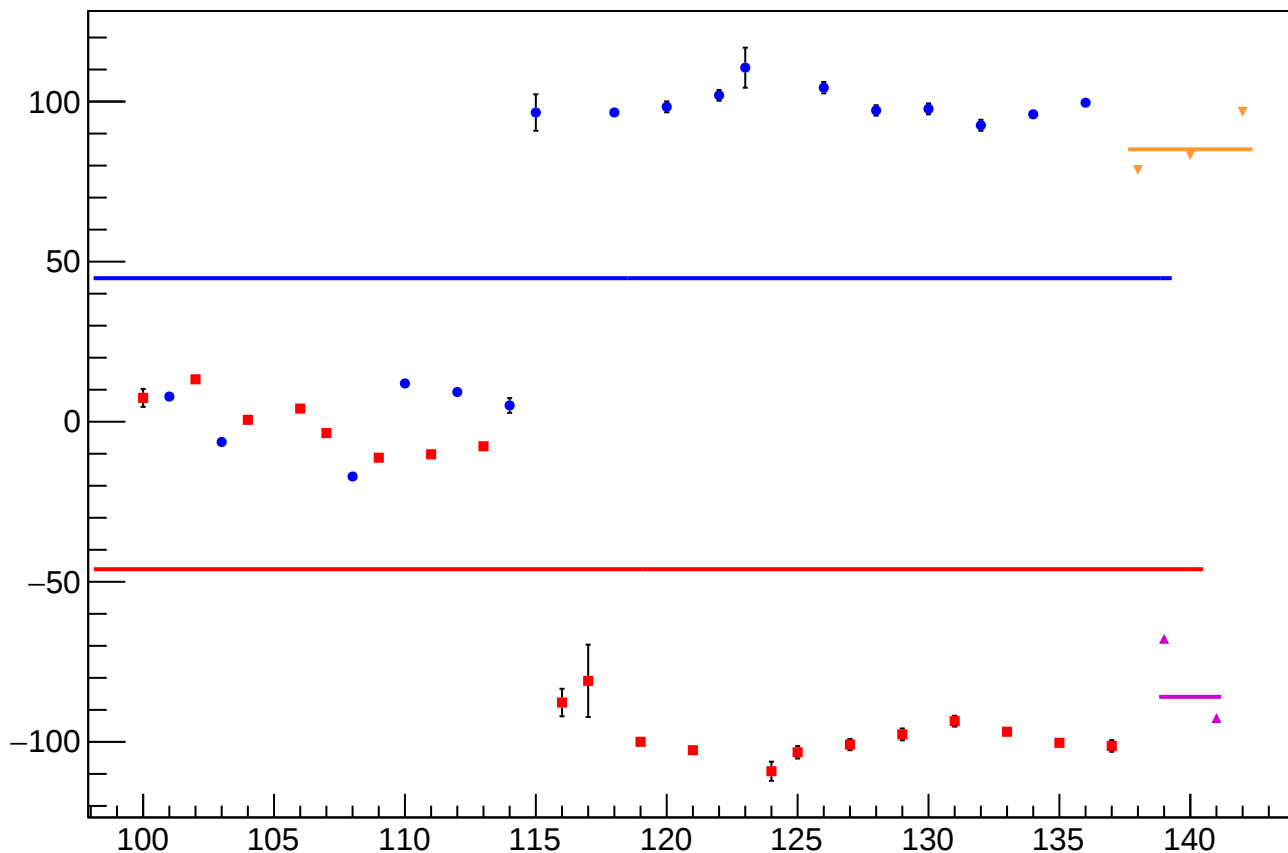
Left In: -4.474 ± 0.687 χ^2/NDF : 9.2/1

5.684 ± 0.371 χ^2/NDF : 336.4/19

1.773 ± 0.259 χ^2/NDF : 731.2/41

-1.936 ± 0.361 χ^2/NDF : 177.7/21

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829 ± 0.305 $\chi^2/\text{NDF}: 24763.1/16$

Left Out: 85.079 ± 0.594 $\chi^2/\text{NDF}: 121.6/2$

Right Out: -46.062 ± 0.289 $\chi^2/\text{NDF}: 28272.9/19$

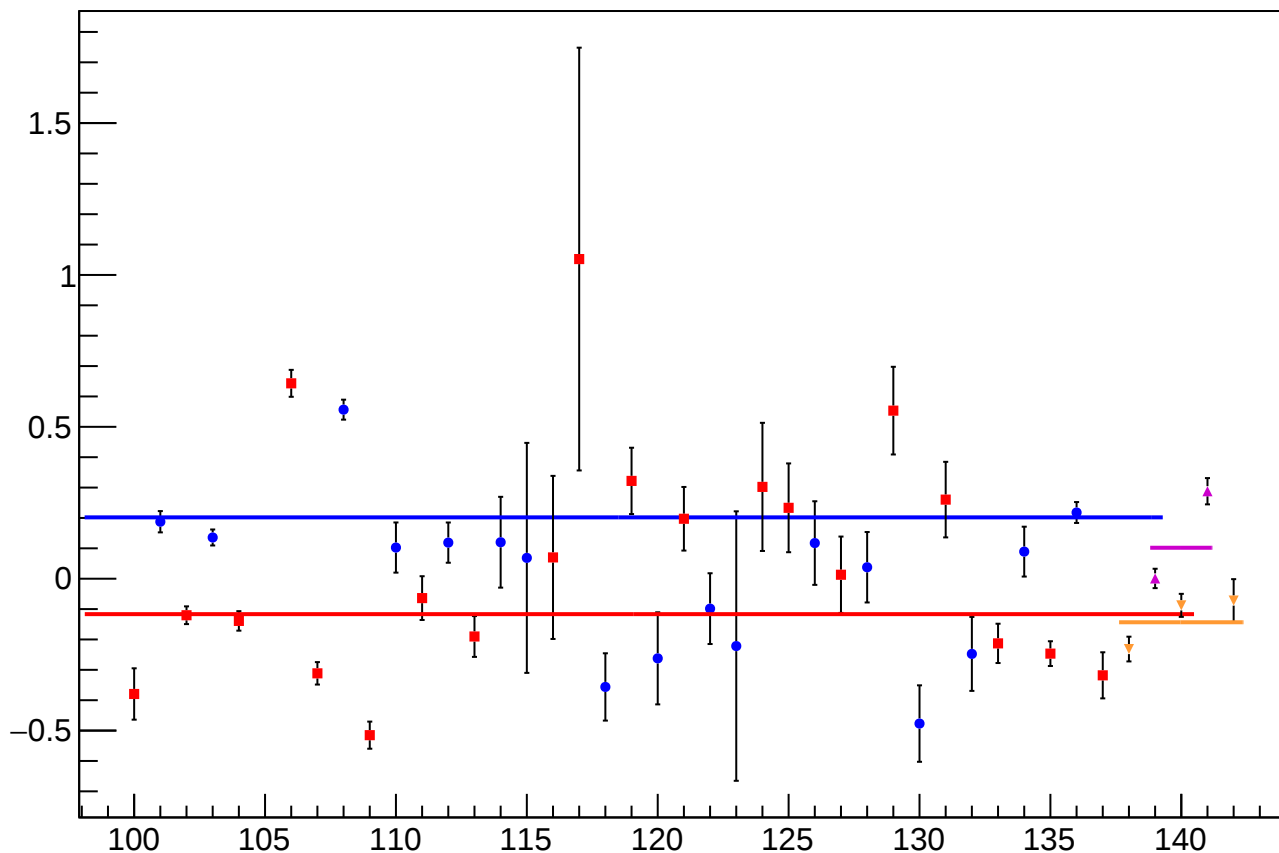
Left In: -85.936 ± 0.746 $\chi^2/\text{NDF}: 215.8/1$

53.204 ± 0.271 $\chi^2/\text{NDF}: 28516.6/19$

0.702 ± 0.191 $\chi^2/\text{NDF}: 134129.3/41$

-51.283 ± 0.270 $\chi^2/\text{NDF}: 30974.7/21$

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



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

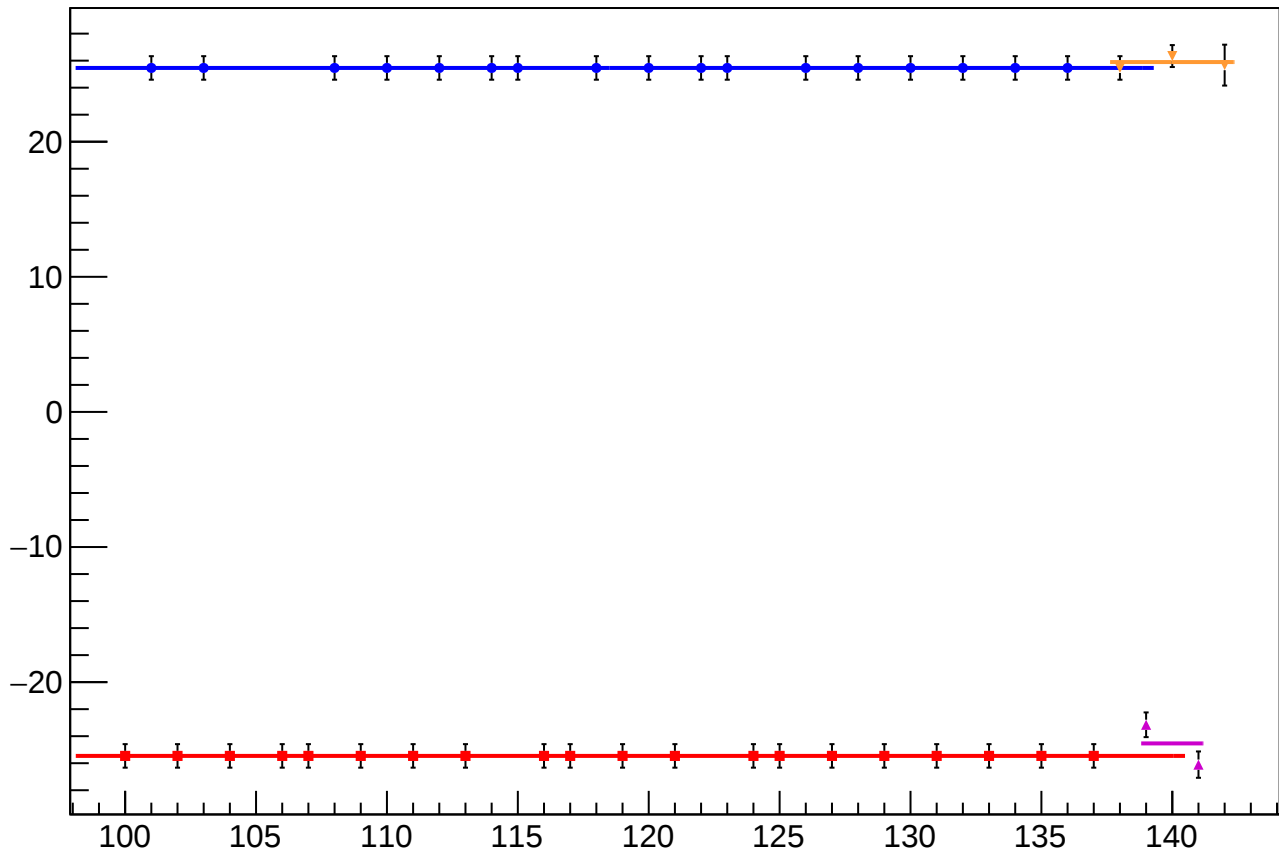
Left In: 0.102 ± 0.026 χ^2/NDF : 28.5/1

0.123 ± 0.012 χ^2/NDF : 361.9/19

0.020 ± 0.008 χ^2/NDF : 1082.8/41

-0.072 ± 0.012 χ^2/NDF : 588.7/21

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 25.460 $\pm$ 0.211 χ^2 /NDF: 0.0/16

Left Out: 25.896 $\pm$ 0.553 χ^2 /NDF: 0.6/2

Right Out: -25.460 $\pm$ 0.195 χ^2 /NDF: 0.0/19

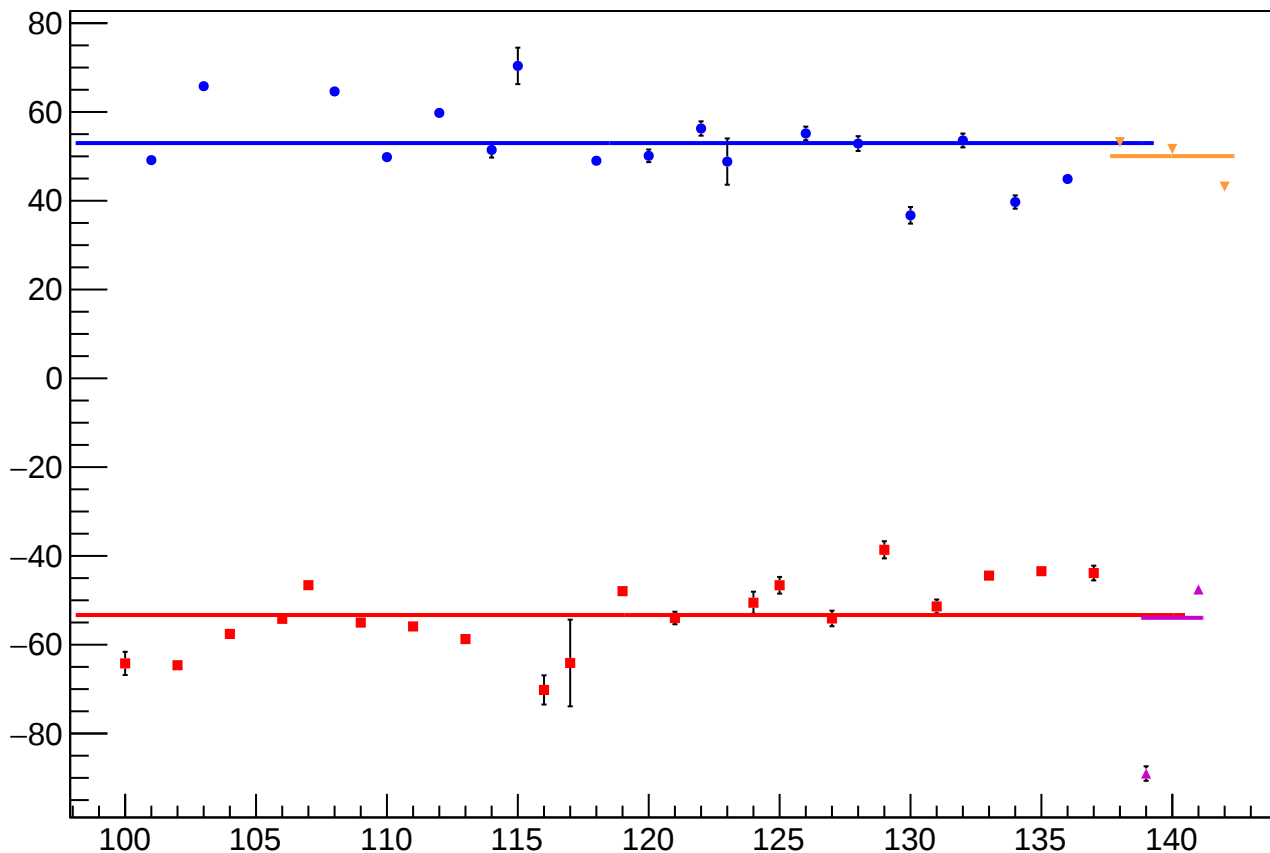
Left In: -24.536 $\pm$ 0.667 χ^2 /NDF: 4.9/1

25.515 $\pm$ 0.197 χ^2 /NDF: 1.1/19

-1.311 $\pm$ 0.136 χ^2 /NDF: 35056.5/41

-25.387 $\pm$ 0.187 χ^2 /NDF: 6.6/21

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 ± 0.211 $\chi^2/\text{NDF}: 1198.0/16$

Left Out: 50.048 ± 0.469 $\chi^2/\text{NDF}: 69.4/2$

Right Out: -53.320 ± 0.227 $\chi^2/\text{NDF}: 876.8/19$

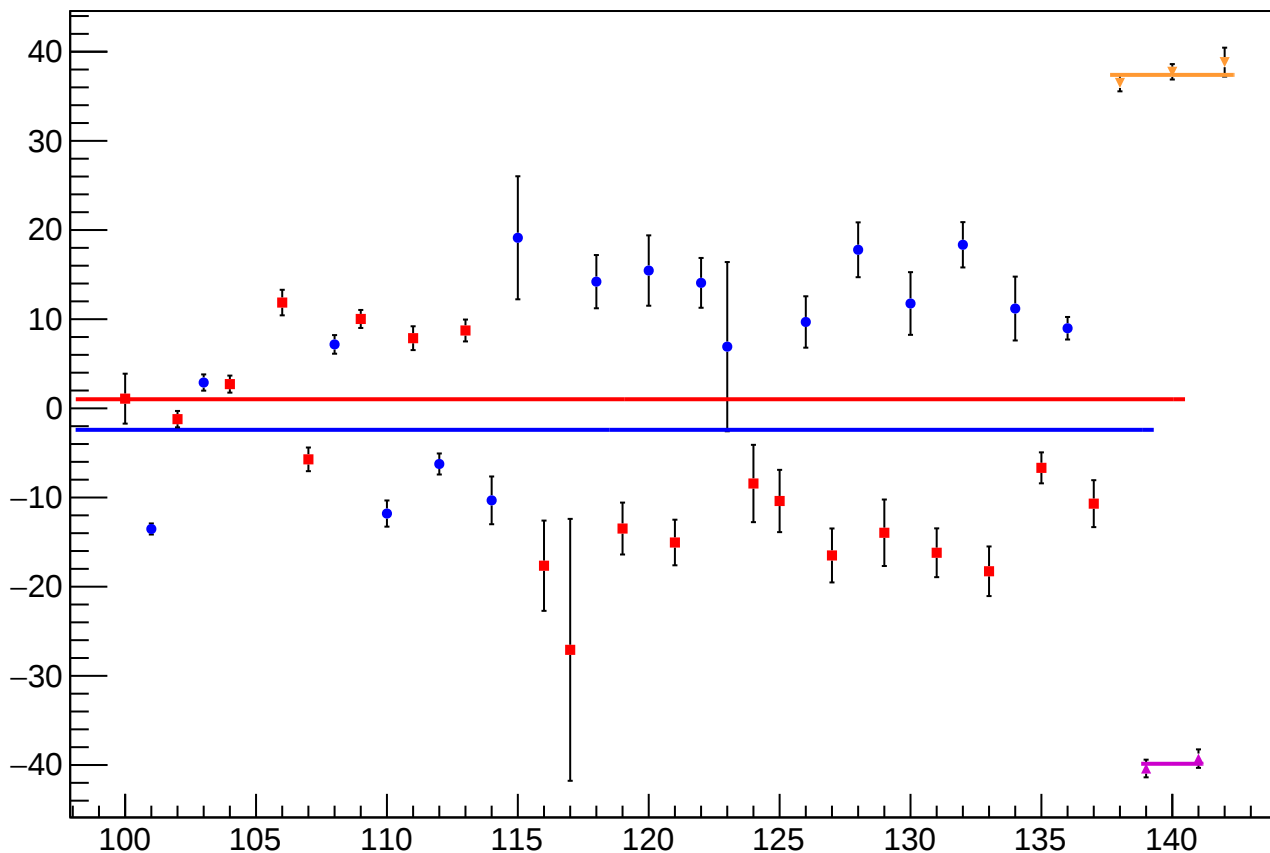
Left In: -53.943 ± 0.642 $\chi^2/\text{NDF}: 544.4/1$

52.495 ± 0.192 $\chi^2/\text{NDF}: 1300.1/19$

5.106 ± 0.143 $\chi^2/\text{NDF}: 138325.8/41$

-53.390 ± 0.214 $\chi^2/\text{NDF}: 1422.0/21$

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



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

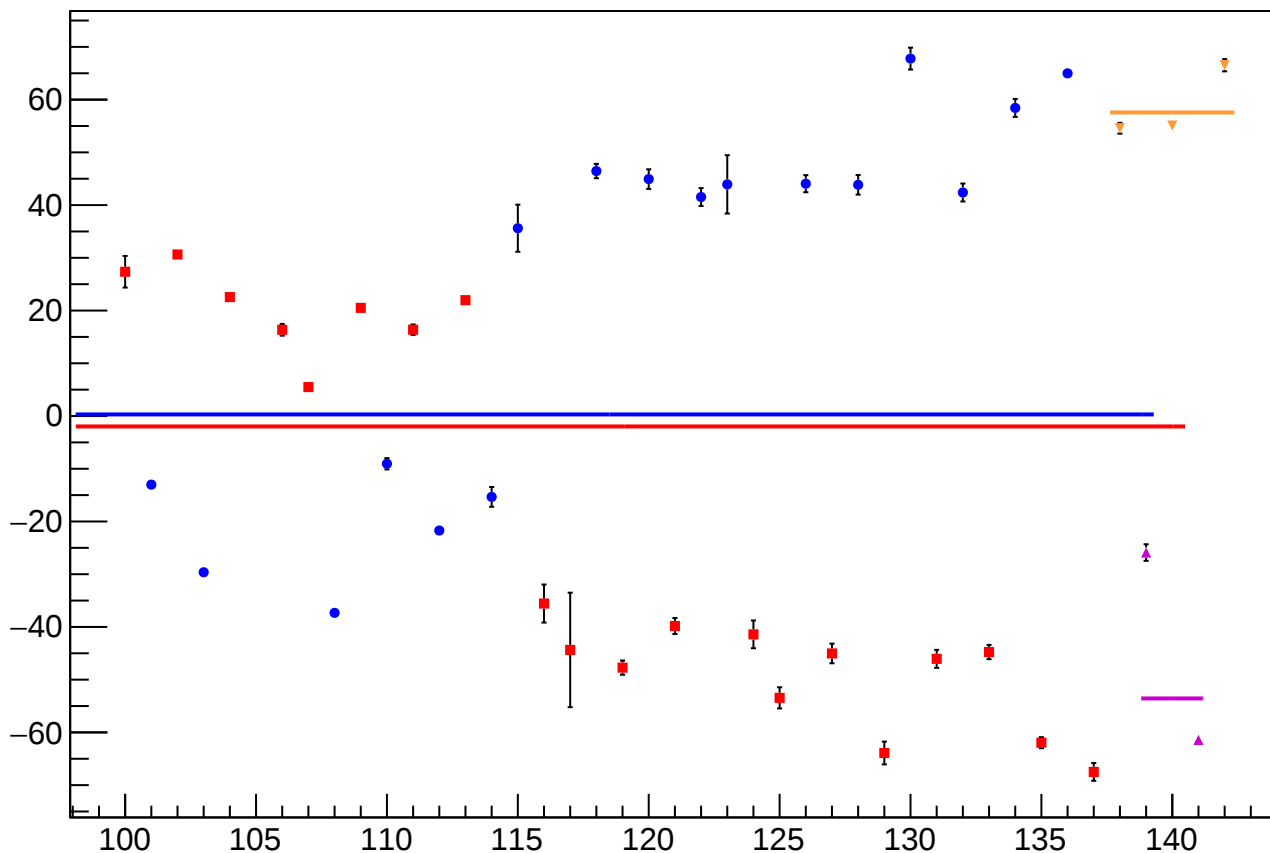
Left In: -39.862 ± 0.716 χ^2/NDF : 0.6/1

8.482 ± 0.311 χ^2/NDF : 4102.8/19

0.902 ± 0.227 χ^2/NDF : 8449.5/41

-7.845 ± 0.334 χ^2/NDF : 3063.1/21

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 57.568 ± 0.557 $\chi^2/\text{NDF}: 77.6/2$

Right Out: -1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

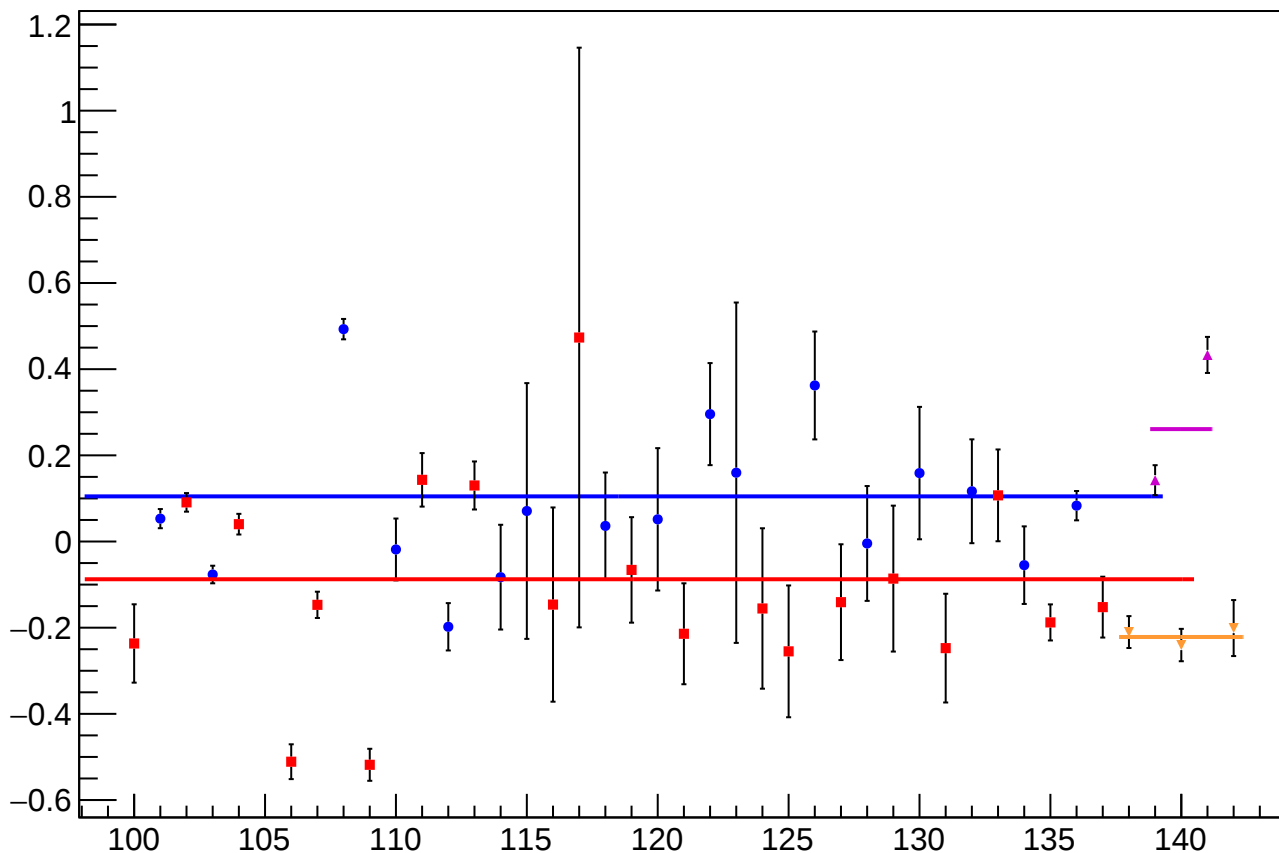
Left In: -53.561 ± 0.740 $\chi^2/\text{NDF}: 397.5/1$

9.751 ± 0.226 $\chi^2/\text{NDF}: 27177.9/19$

1.835 ± 0.168 $\chi^2/\text{NDF}: 50078.3/41$

-7.904 ± 0.251 $\chi^2/\text{NDF}: 20166.2/21$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 $\pm$ 0.011 χ^2 /NDF: 400.8/16

Left Out: -0.222 $\pm$ 0.024 χ^2 /NDF: 0.4/2

Right Out: -0.088 $\pm$ 0.011 χ^2 /NDF: 391.6/19

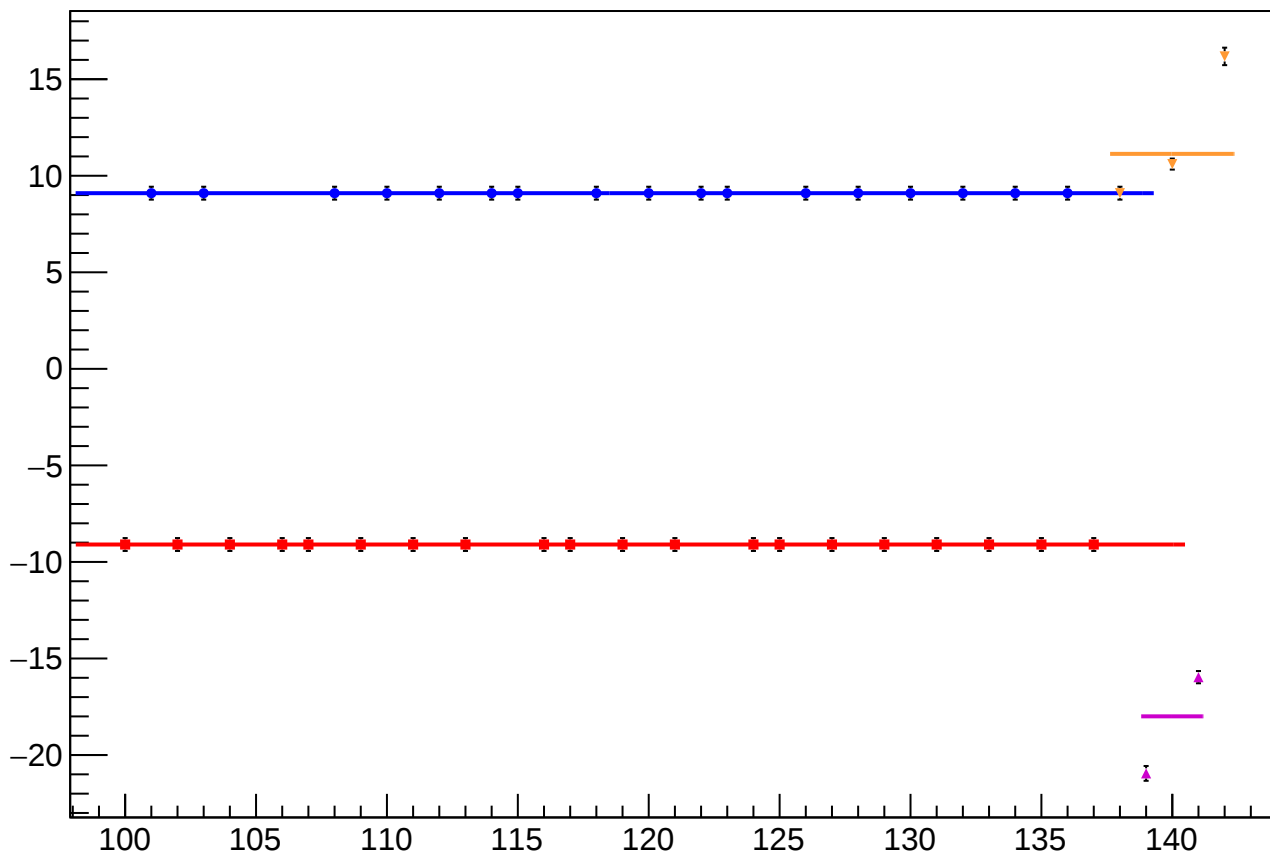
Left In: 0.261 $\pm$ 0.027 χ^2 /NDF: 28.6/1

0.049 $\pm$ 0.010 χ^2 /NDF: 549.4/19

0.007 $\pm$ 0.007 χ^2 /NDF: 1151.4/41

-0.037 $\pm$ 0.010 χ^2 /NDF: 565.5/21

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 9.097 ± 0.081 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 11.133 ± 0.196 $\chi^2/\text{NDF}: 165.0/2$

Right Out: -9.097 ± 0.075 $\chi^2/\text{NDF}: 0.0/19$

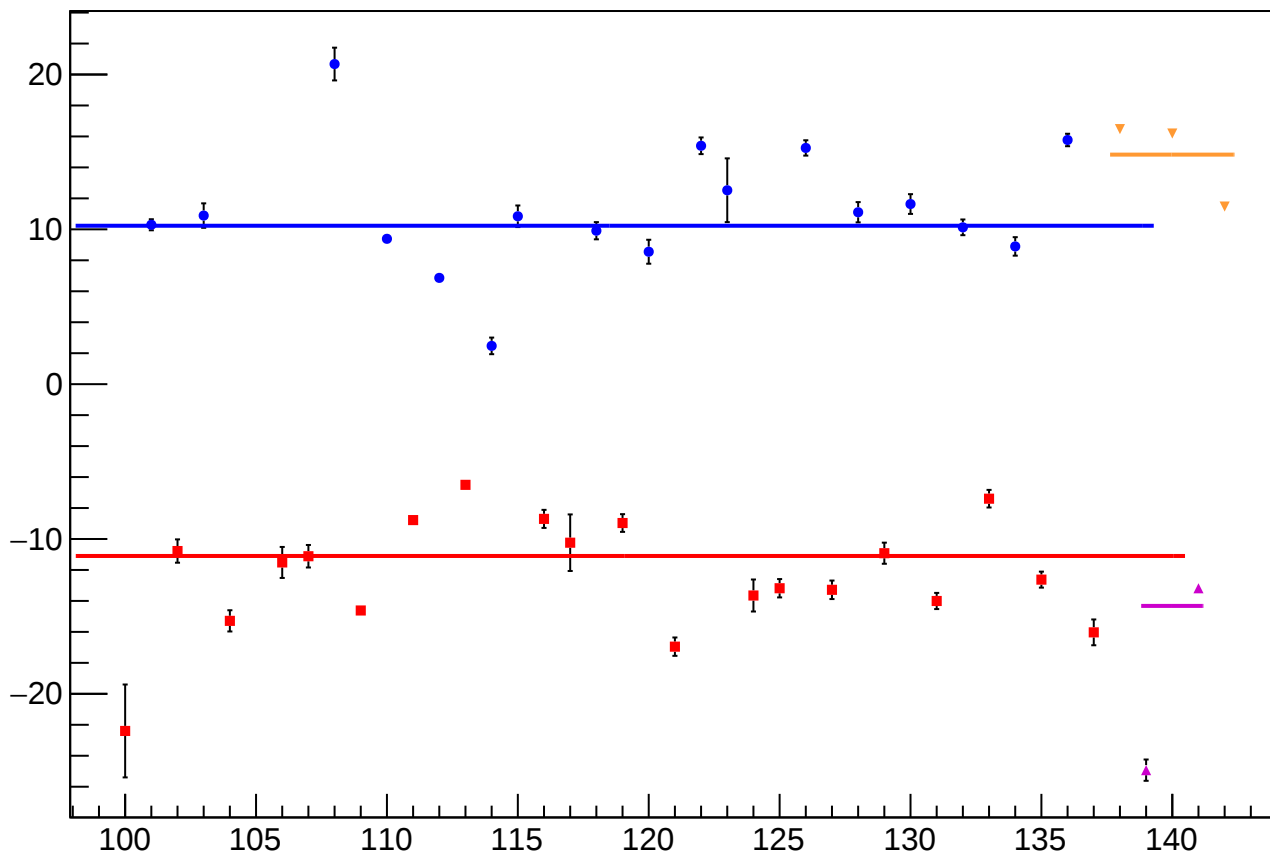
Left In: -17.996 ± 0.245 $\chi^2/\text{NDF}: 100.0/1$

9.396 ± 0.075 $\chi^2/\text{NDF}: 257.3/19$

-0.679 ± 0.052 $\chi^2/\text{NDF}: 36070.1/41$

-9.858 ± 0.072 $\chi^2/\text{NDF}: 1308.7/21$

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



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

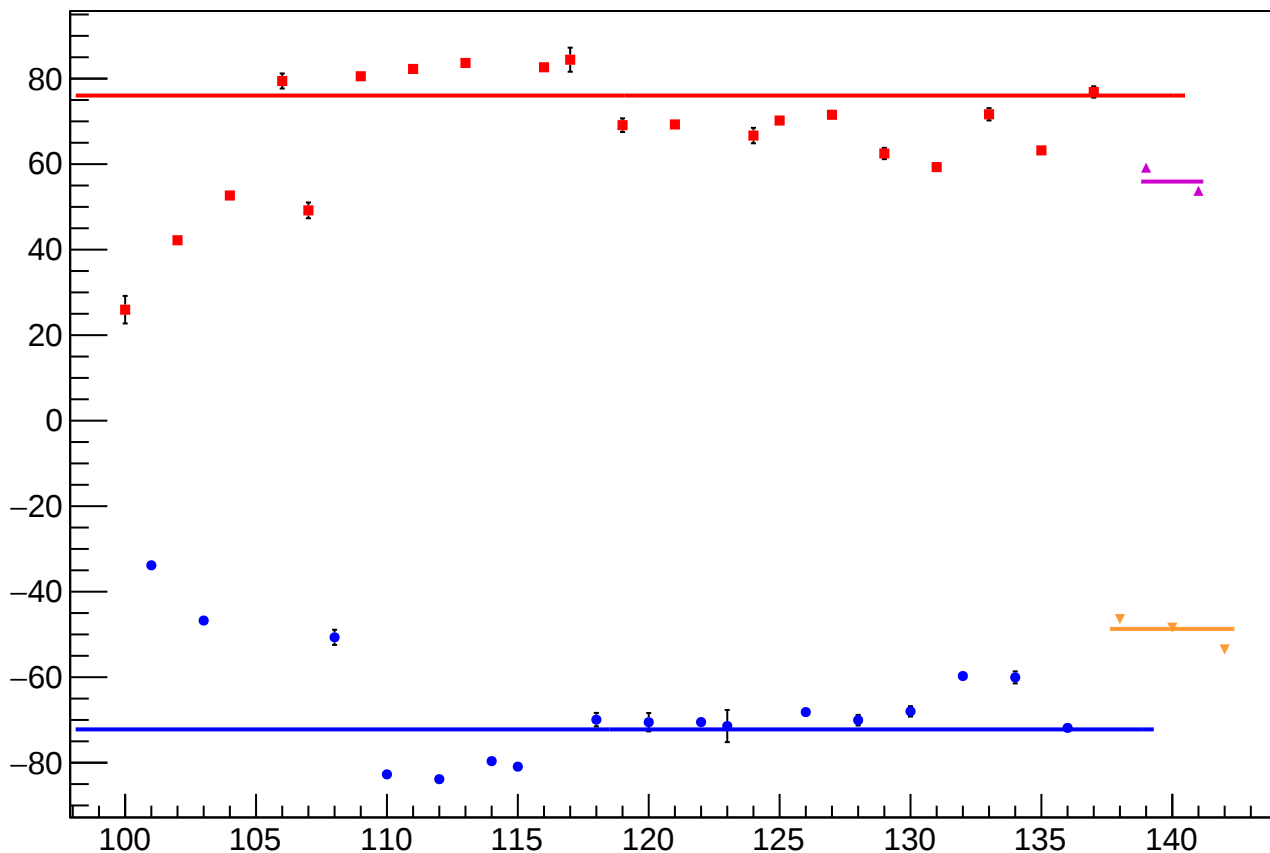
Left In: -14.322 $\pm$ 0.214 χ^2 /NDF:263.6/1

11.918 $\pm$ 0.095 χ^2 /NDF: 1619.6/19

0.898 $\pm$ 0.070 χ^2 /NDF: 31875.3/41

-11.830 $\pm$ 0.102 χ^2 /NDF: 1257.0/21

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



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

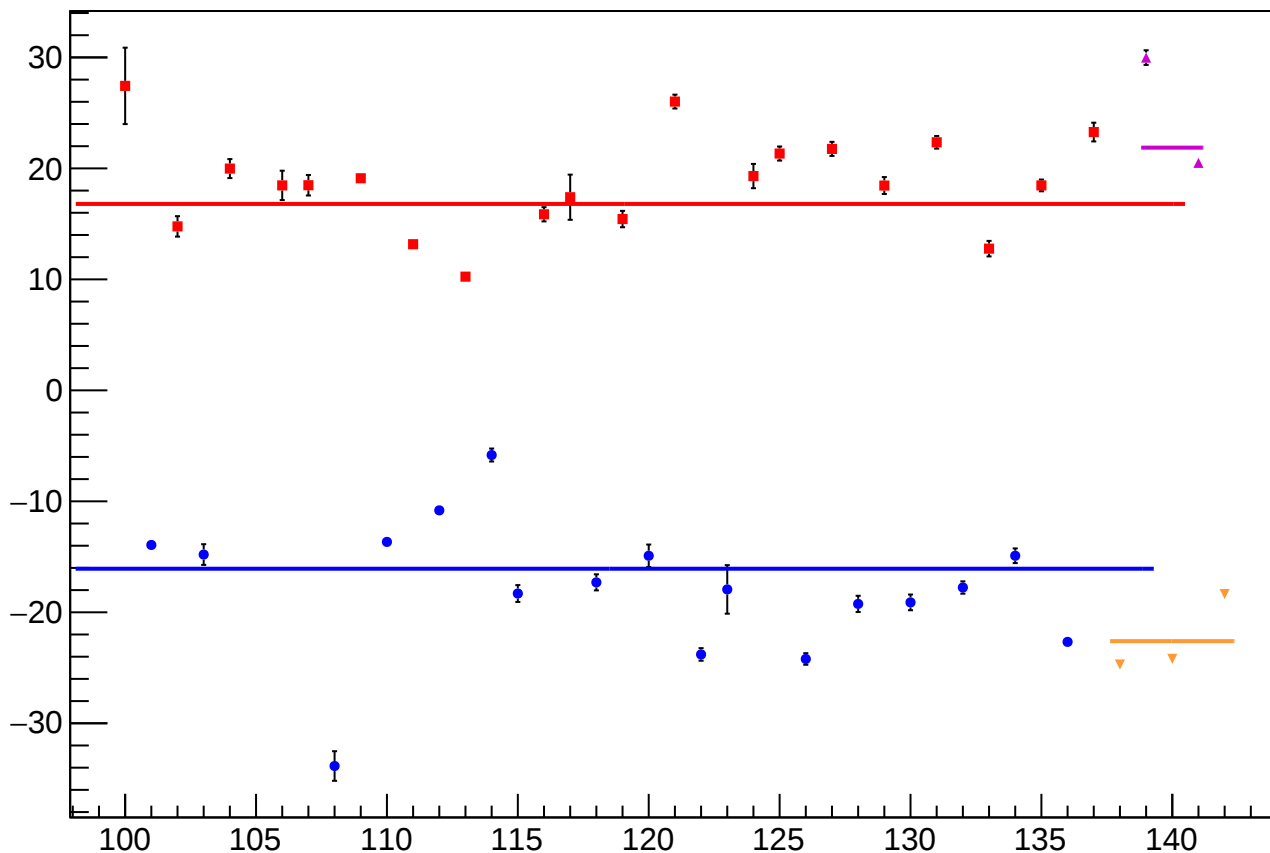
Left In: 55.920+/-0.262 χ^2/NDF :102.5/1

-61.142+/-0.144 χ^2/NDF : 12342.0/19

2.096+/-0.103 χ^2/NDF : 418491.9/41

69.571+/-0.149 χ^2/NDF : 7567.9/21

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -22.599 ± 0.188 χ^2/NDF : 215.2/2

Right Out: 16.797 ± 0.128 χ^2/NDF : 1216.1/19

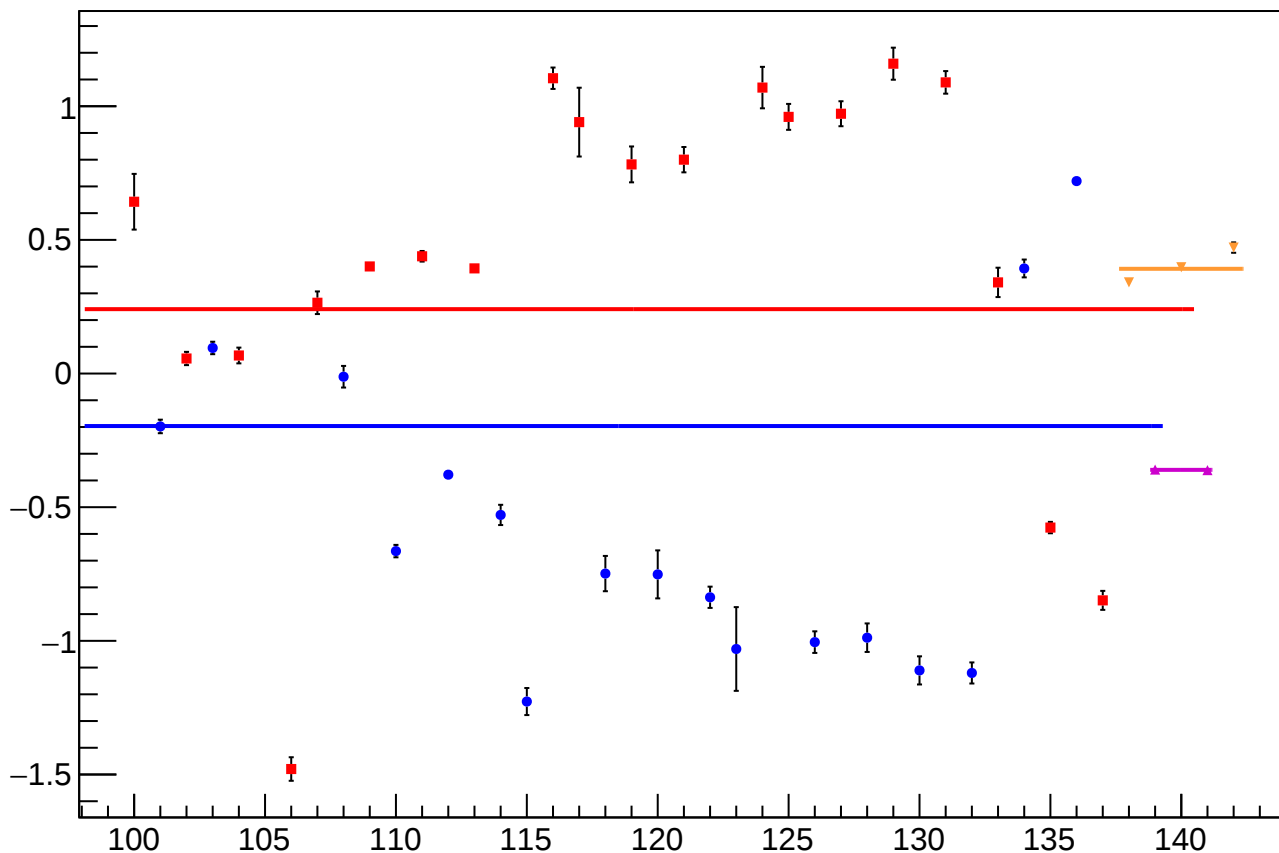
Left In: 21.869 ± 0.251 χ^2/NDF : 175.8/1

-18.241 ± 0.108 χ^2/NDF : 2661.6/19

-1.131 ± 0.079 χ^2/NDF : 57025.1/41

17.840 ± 0.114 χ^2/NDF : 1715.1/21

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



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

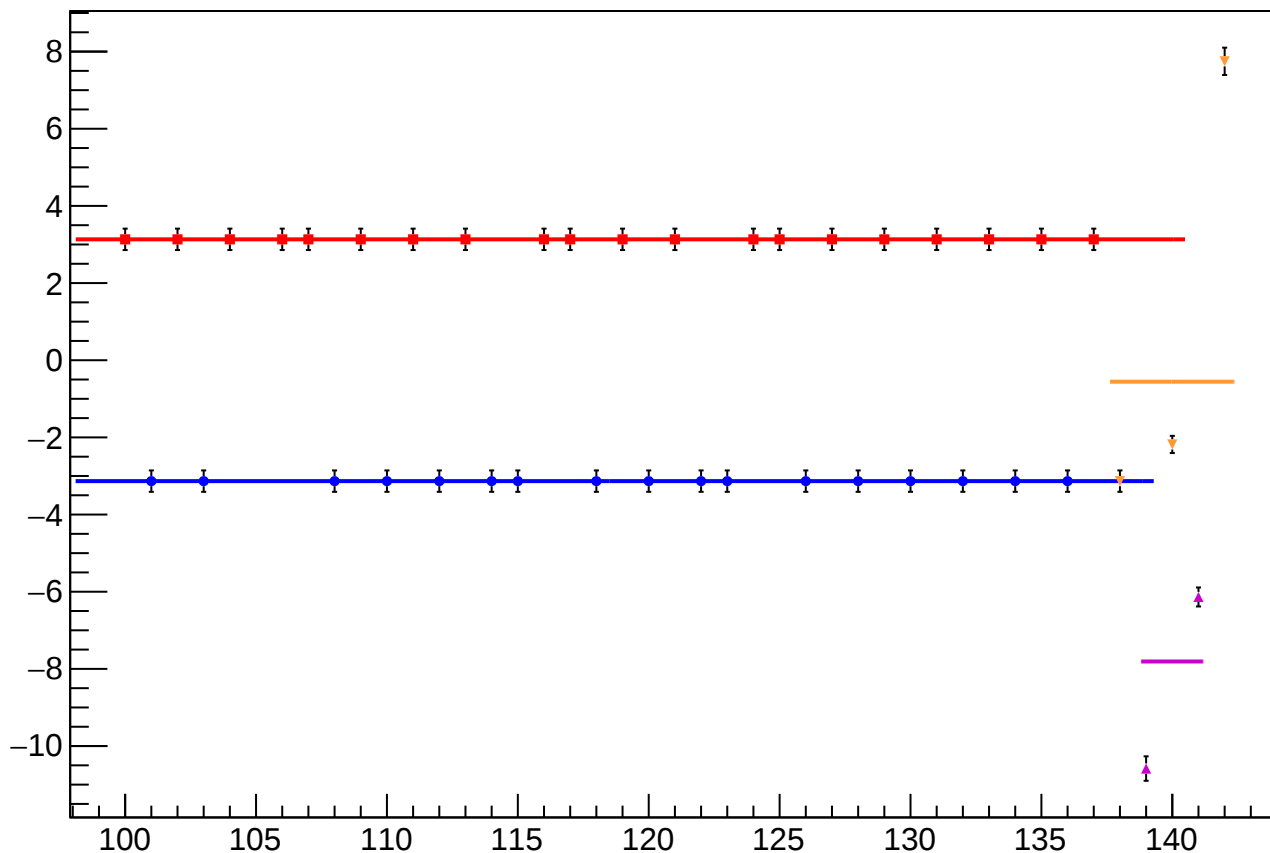
Left In: -0.360 ± 0.010 χ^2/NDF : 0.0/1

0.055 ± 0.006 χ^2/NDF : 8953.6/19

0.046 ± 0.004 χ^2/NDF : 17573.2/41

0.036 ± 0.006 χ^2/NDF : 8614.1/21

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



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

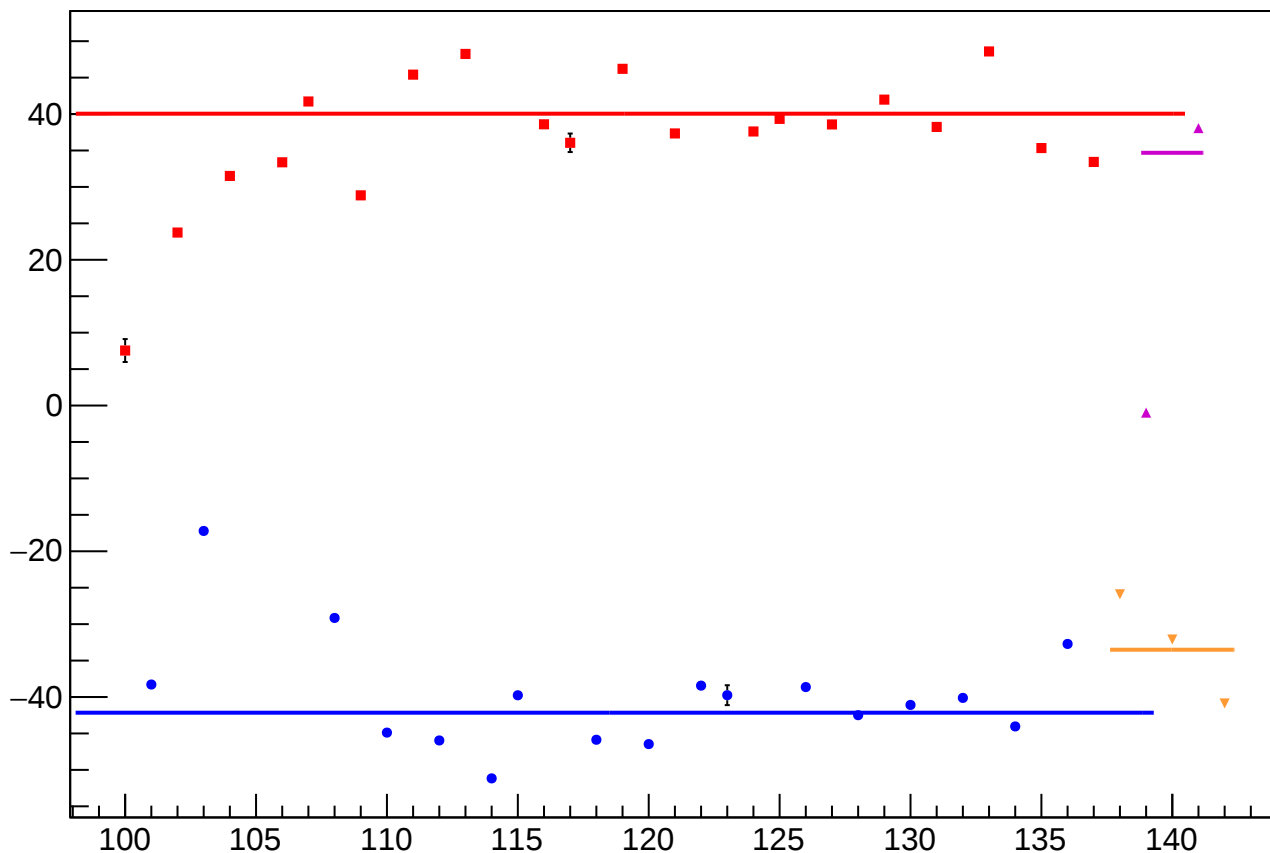
Left In: -7.808+/-0.194 χ^2/NDF : 122.7/1

-2.729+/-0.062 χ^2/NDF : 919.7/19

-0.196+/-0.043 χ^2/NDF : 7132.6/41

2.122+/-0.059 χ^2/NDF : 2996.2/21

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -33.511 ± 0.125 χ^2/NDF : 1947.0/2

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

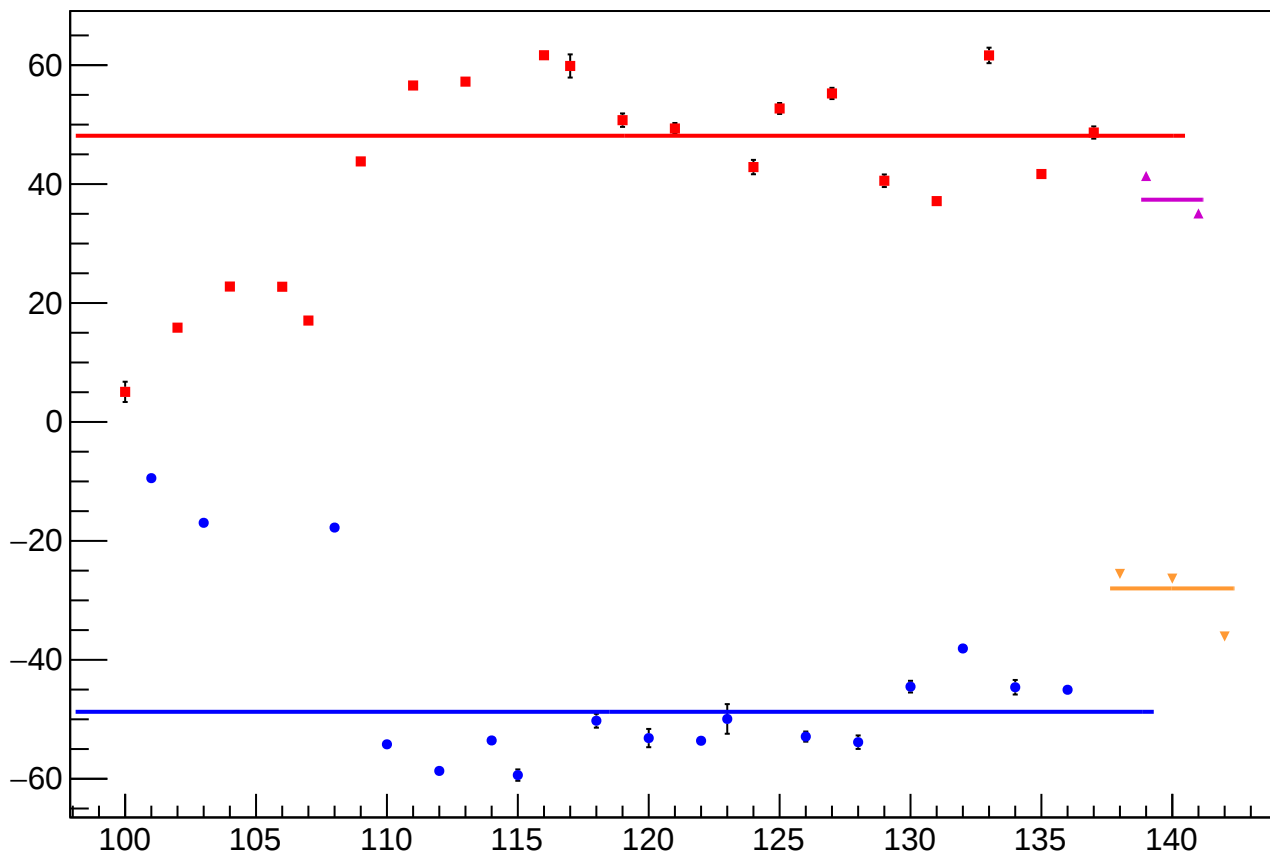
Left In: 34.683 ± 0.167 χ^2/NDF : 4333.2/1

-39.721 ± 0.066 χ^2/NDF : 11958.2/19

-0.554 ± 0.047 χ^2/NDF : 735155.1/41

39.195 ± 0.067 χ^2/NDF : 16533.2/21

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 $\pm$ 0.125 χ^2 /NDF: 14658.1/16

Left Out: -27.992 $\pm$ 0.167 χ^2 /NDF: 568.5/2

Right Out: 48.127 $\pm$ 0.107 χ^2 /NDF: 11769.6/19

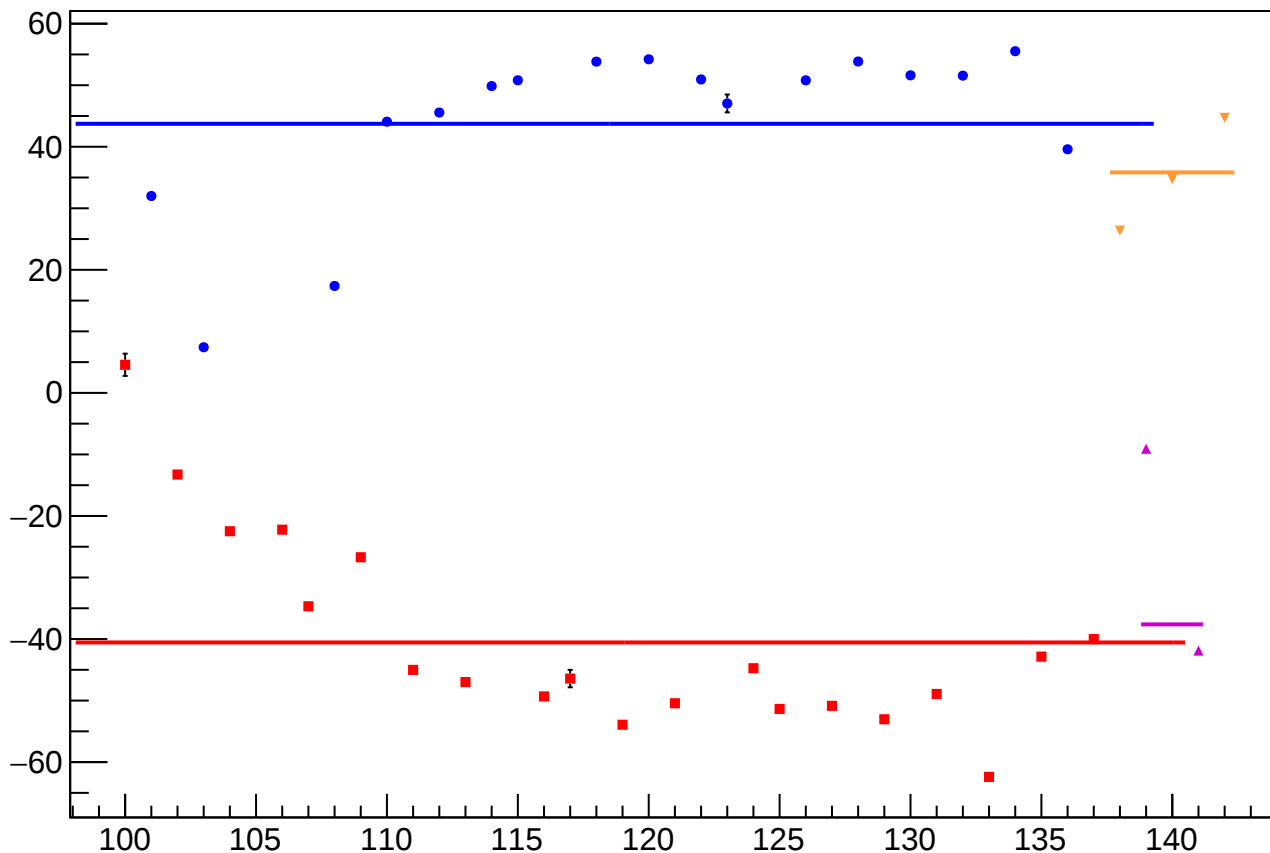
Left In: 37.373 $\pm$ 0.208 χ^2 /NDF: 212.3/1

-41.330 $\pm$ 0.100 χ^2 /NDF: 25131.0/19

4.353 $\pm$ 0.069 χ^2 /NDF: 438567.2/41

45.879 $\pm$ 0.095 χ^2 /NDF: 14090.5/21

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 $\pm$ 0.087 χ^2 /NDF: 10567.7/16

Left Out: 35.830 $\pm$ 0.149 χ^2 /NDF: 2026.0/2

Right Out: -40.556 $\pm$ 0.080 χ^2 /NDF: 17618.6/19

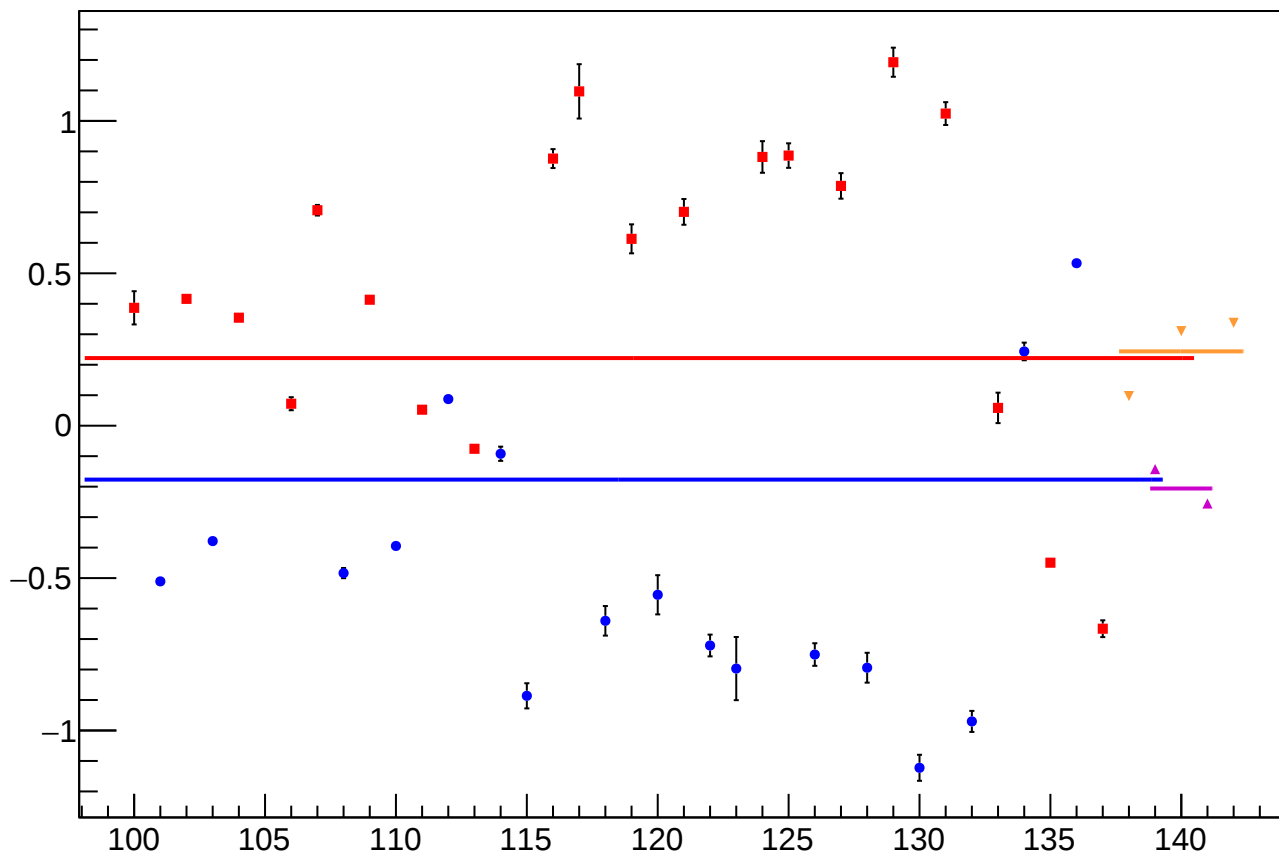
Left In: -37.617 $\pm$ 0.196 χ^2 /NDF: 3148.5/1

41.732 $\pm$ 0.075 χ^2 /NDF: 14687.5/19

0.294 $\pm$ 0.053 χ^2 /NDF: 637839.9/41

-40.138 $\pm$ 0.074 χ^2 /NDF: 20959.0/21

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.244 ± 0.007 χ^2/NDF : 230.0/2

Right Out: 0.222 ± 0.004 χ^2/NDF : 7527.0/19

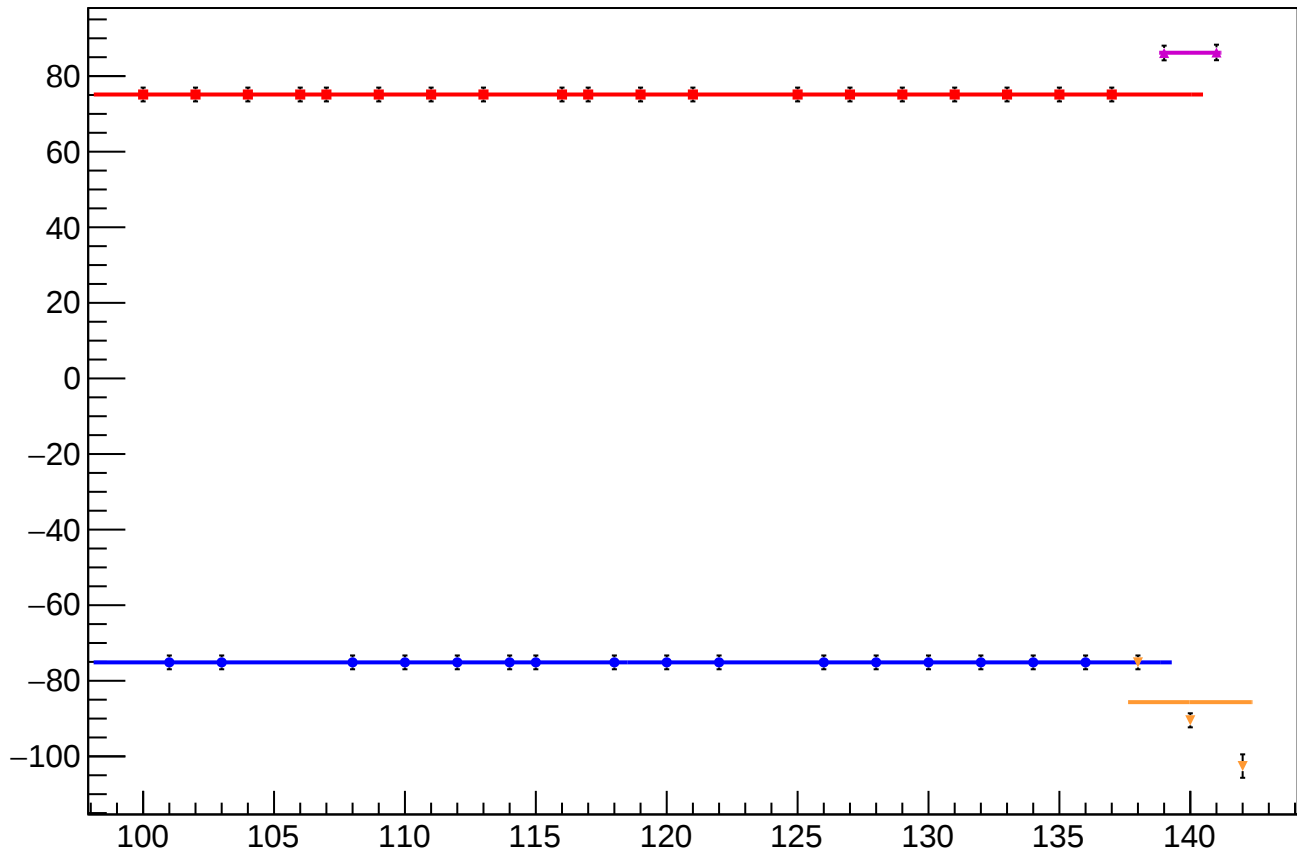
Left In: -0.206 ± 0.008 χ^2/NDF : 49.8/1

-0.039 ± 0.004 χ^2/NDF : 10062.6/19

0.047 ± 0.003 χ^2/NDF : 20784.9/41

0.125 ± 0.004 χ^2/NDF : 9824.4/21

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -75.129 ± 0.457 χ^2/NDF : 0.0/15

Left Out: -85.651 ± 1.203 χ^2/NDF : 69.4/2

Right Out: 75.129 ± 0.420 χ^2/NDF : 0.0/18

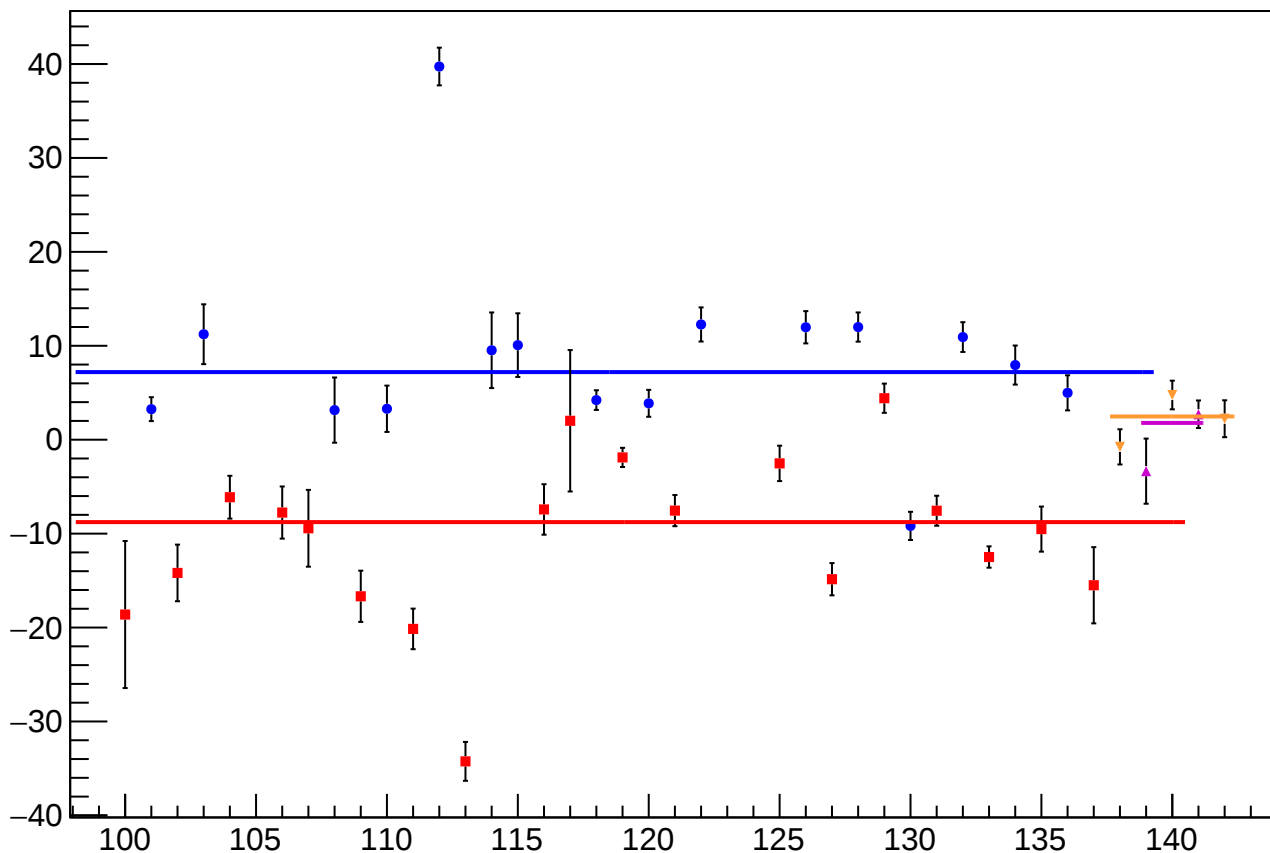
Left In: 86.181 ± 1.414 χ^2/NDF : 0.0/1

-76.458 ± 0.428 χ^2/NDF : 136.3/18

4.405 ± 0.293 χ^2/NDF : 67628.8/39

76.025 ± 0.402 χ^2/NDF : 56.2/20

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



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

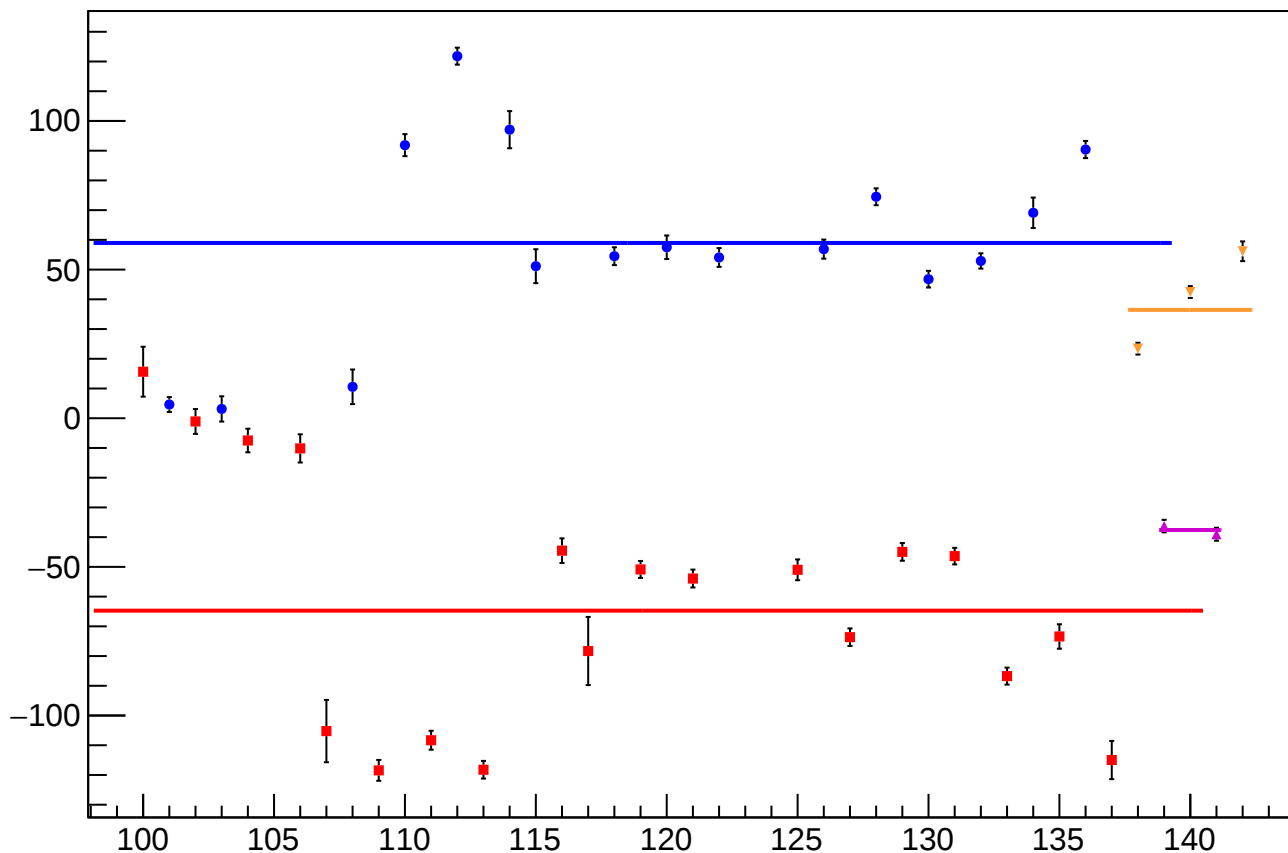
Left In: 1.788 ± 1.352 χ^2/NDF : 2.6/1

6.452 ± 0.403 χ^2/NDF : 467.3/18

-0.277 ± 0.292 χ^2/NDF : 1463.5/39

-7.731 ± 0.424 χ^2/NDF : 409.3/20

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962+/-0.837 χ^2/NDF : 1496.5/15

Left Out: 36.447+/-1.292 χ^2/NDF : 87.6/2

Right Out: -64.728+/-0.838 χ^2/NDF : 1723.2/18

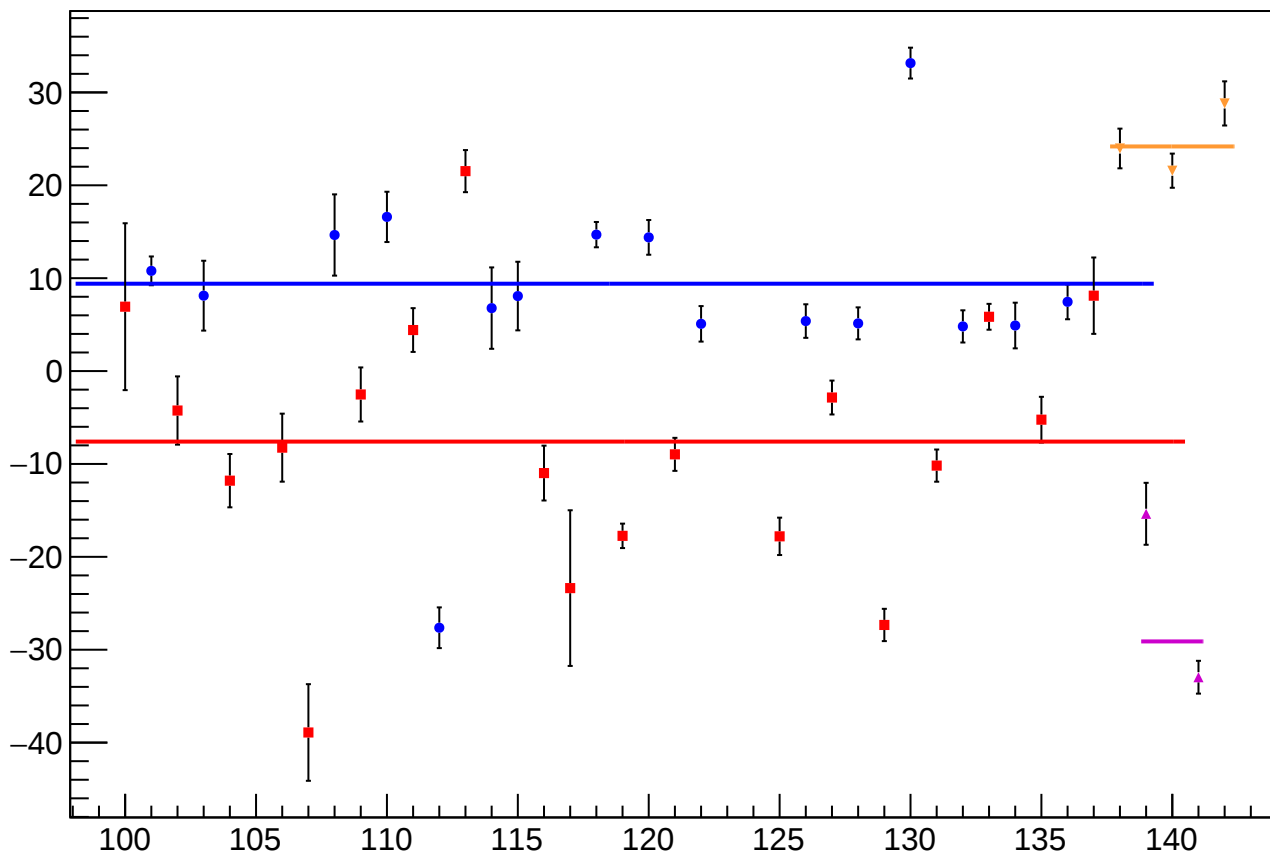
Left In: -37.599+/-1.519 χ^2/NDF : 0.8/1

52.309+/-0.702 χ^2/NDF : 1798.0/18

-0.650+/-0.507 χ^2/NDF : 15647.2/39

-58.398+/-0.734 χ^2/NDF : 1968.7/20

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 24.183 ± 1.203 $\chi^2/\text{NDF}: 5.8/2$

Right Out: -7.593 ± 0.514 $\chi^2/\text{NDF}: 573.4/18$

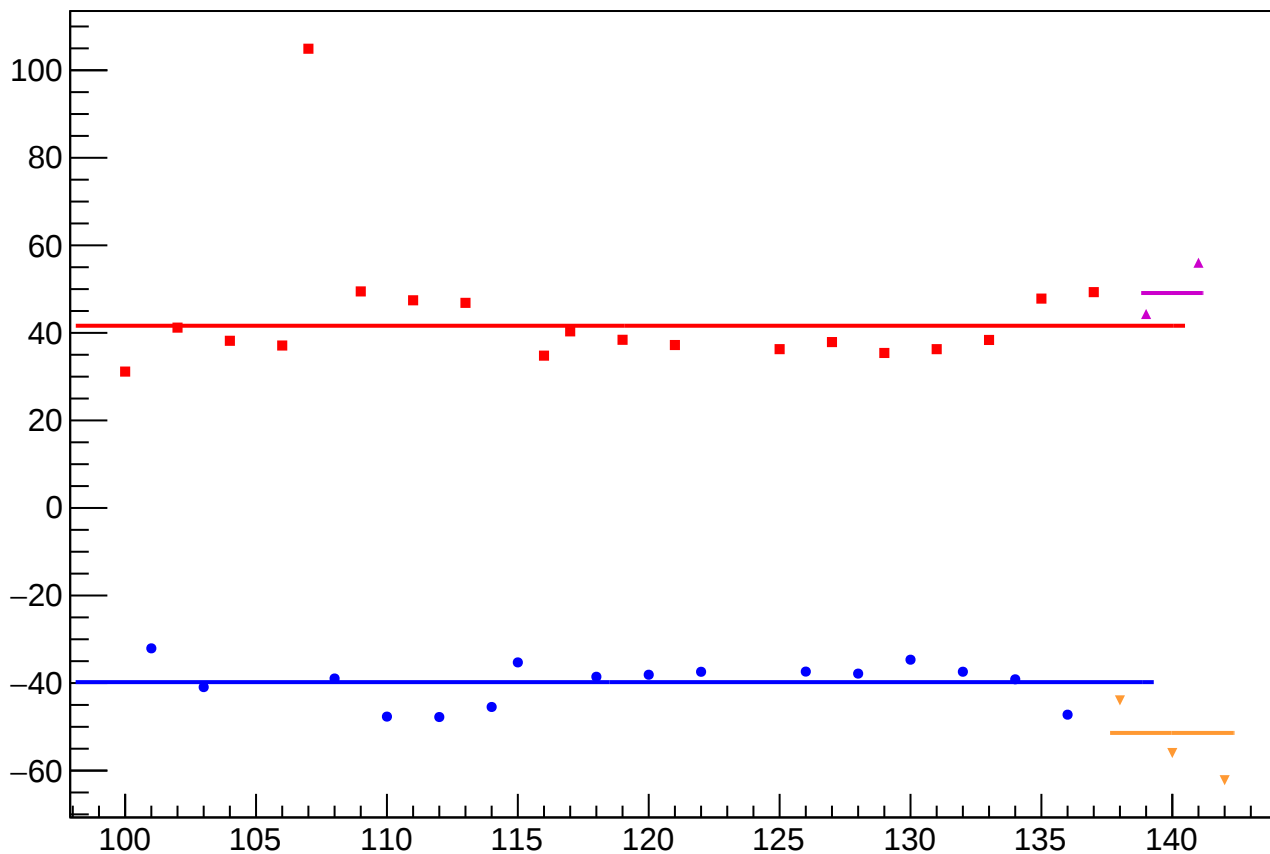
Left In: -29.107 ± 1.561 $\chi^2/\text{NDF}: 21.7/1$

11.633 ± 0.467 $\chi^2/\text{NDF}: 683.5/18$

1.439 ± 0.337 $\chi^2/\text{NDF}: 2447.2/39$

-9.697 ± 0.488 $\chi^2/\text{NDF}: 766.6/20$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



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

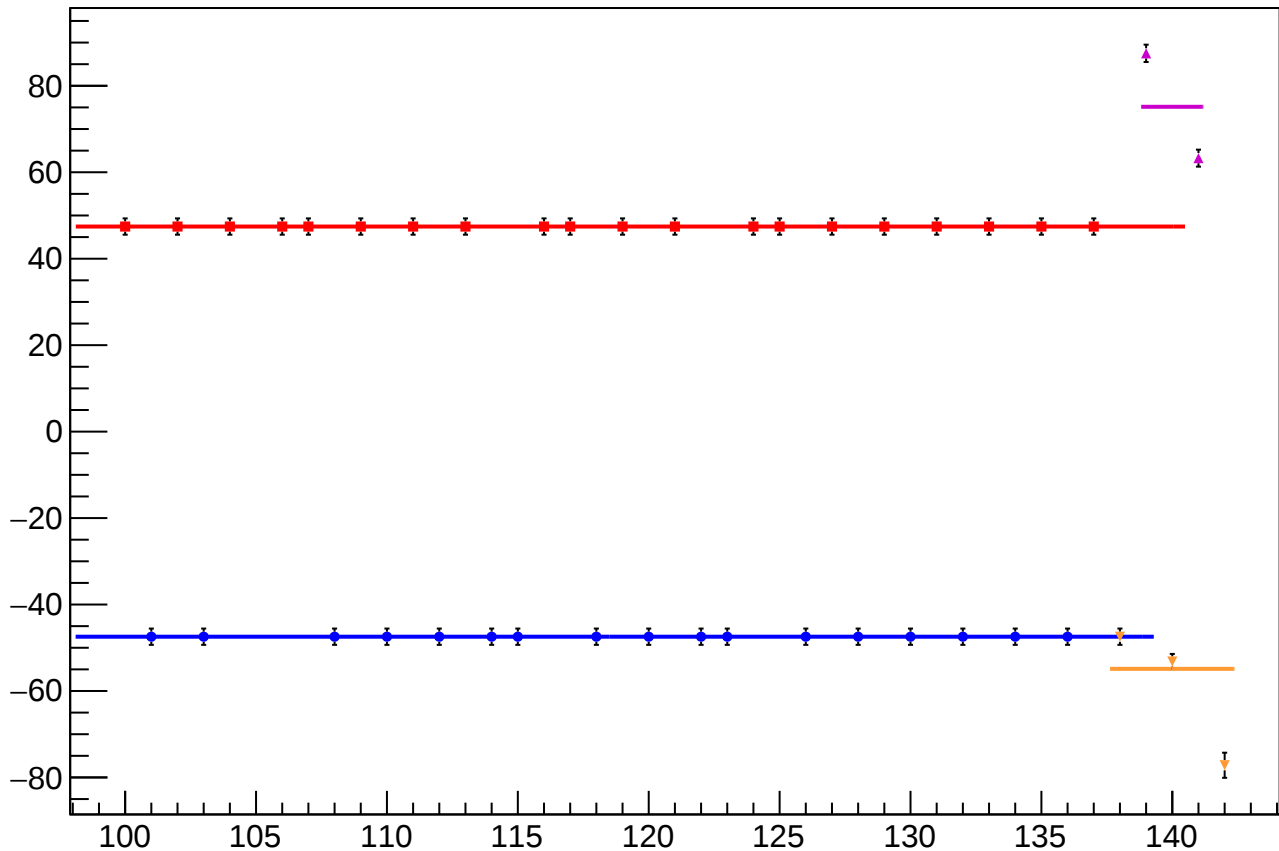
Left In: 49.108 ± 0.057 χ^2/NDF : 10357.8/1

-42.766 ± 0.027 χ^2/NDF : 79988.1/18

-0.277 ± 0.019 χ^2/NDF : 5245901.5/39

43.370 ± 0.027 χ^2/NDF : 118154.7/20

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected

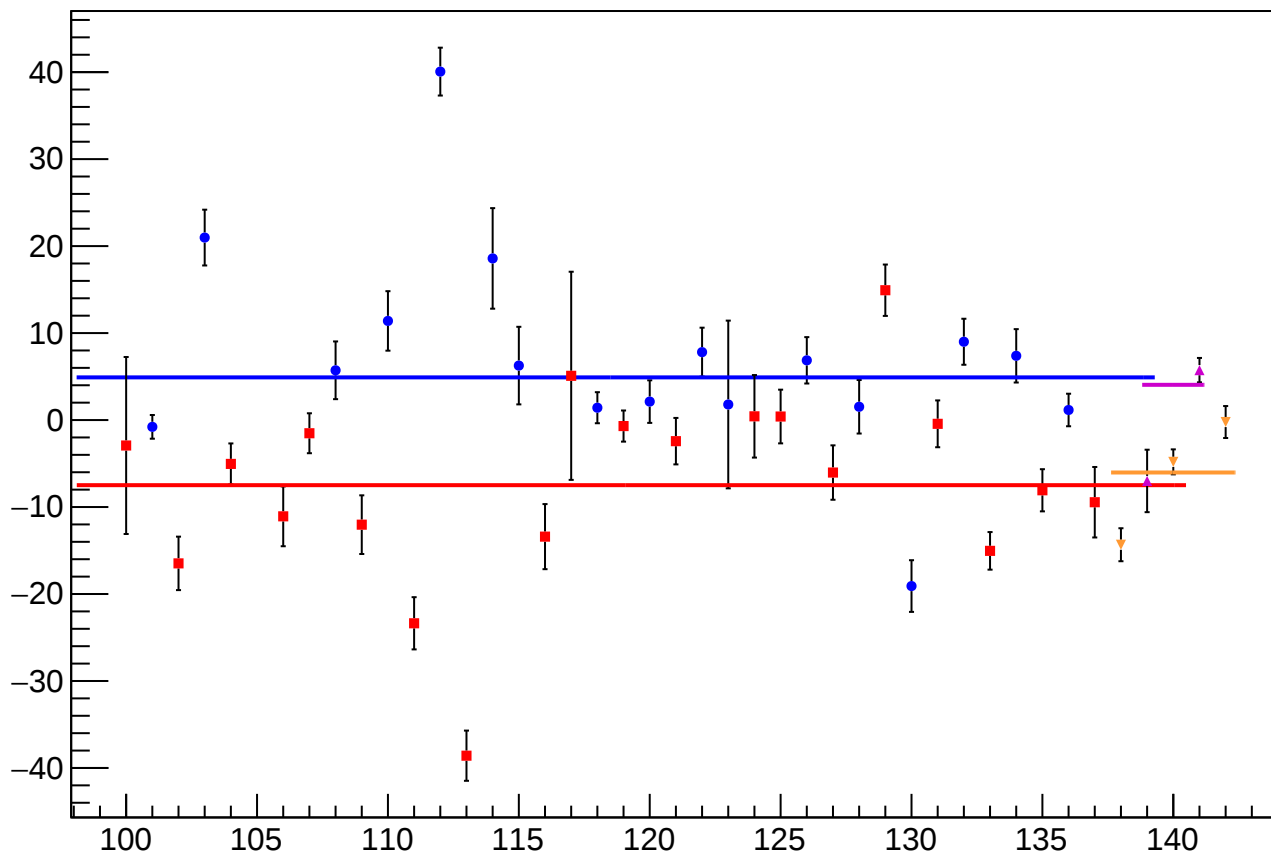


-48.421 ± 0.426 $\chi^2/\text{NDF}: 110.3/19$

3.294 ± 0.293 $\chi^2/\text{NDF}: 28518.0/41$

49.733 ± 0.404 $\chi^2/\text{NDF}: 431.9/21$

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: -6.029 ± 0.972 χ^2/NDF : 29.9/2

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

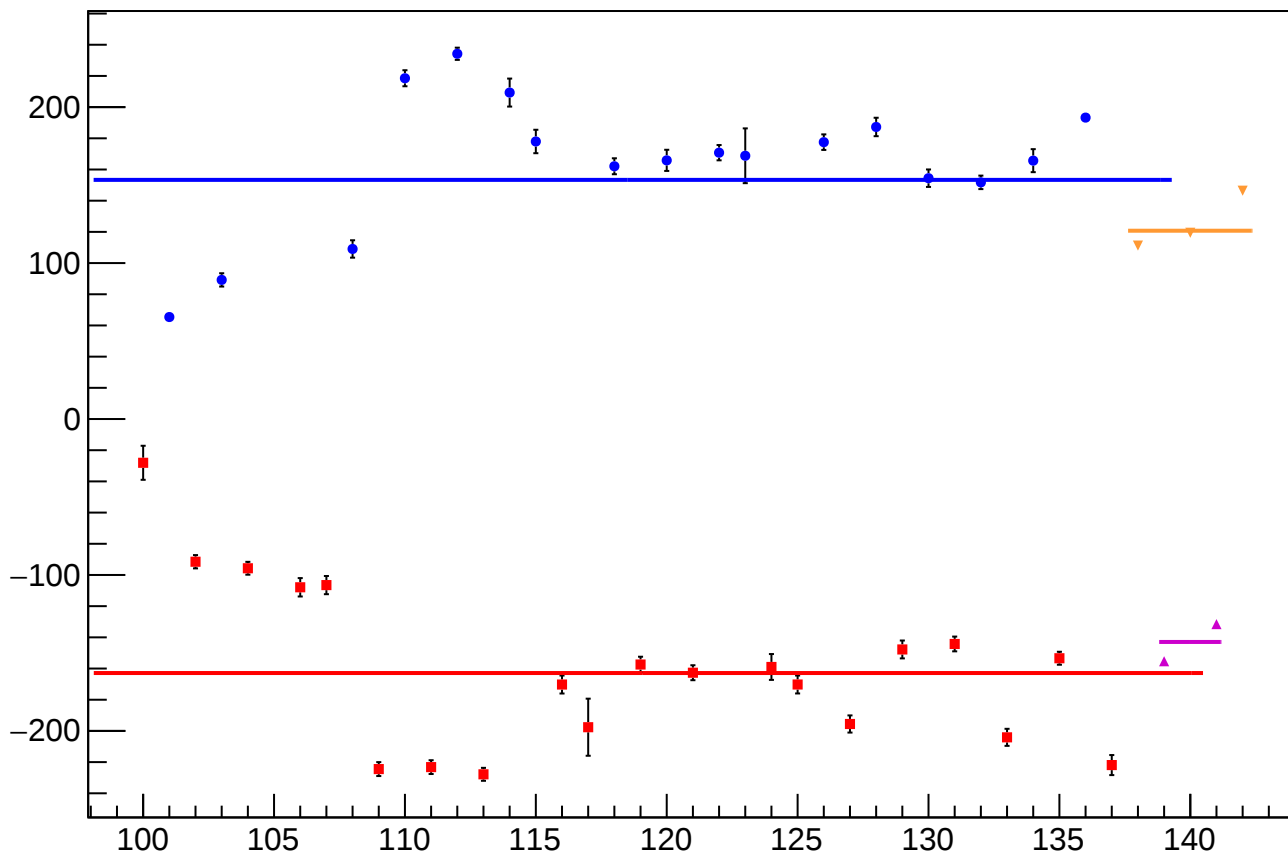
Left In: 4.050 ± 1.307 χ^2/NDF : 10.9/1

1.688 ± 0.527 χ^2/NDF : 414.6/19

-1.420 ± 0.391 χ^2/NDF : 836.7/41

-5.201 ± 0.582 χ^2/NDF : 345.1/21

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



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

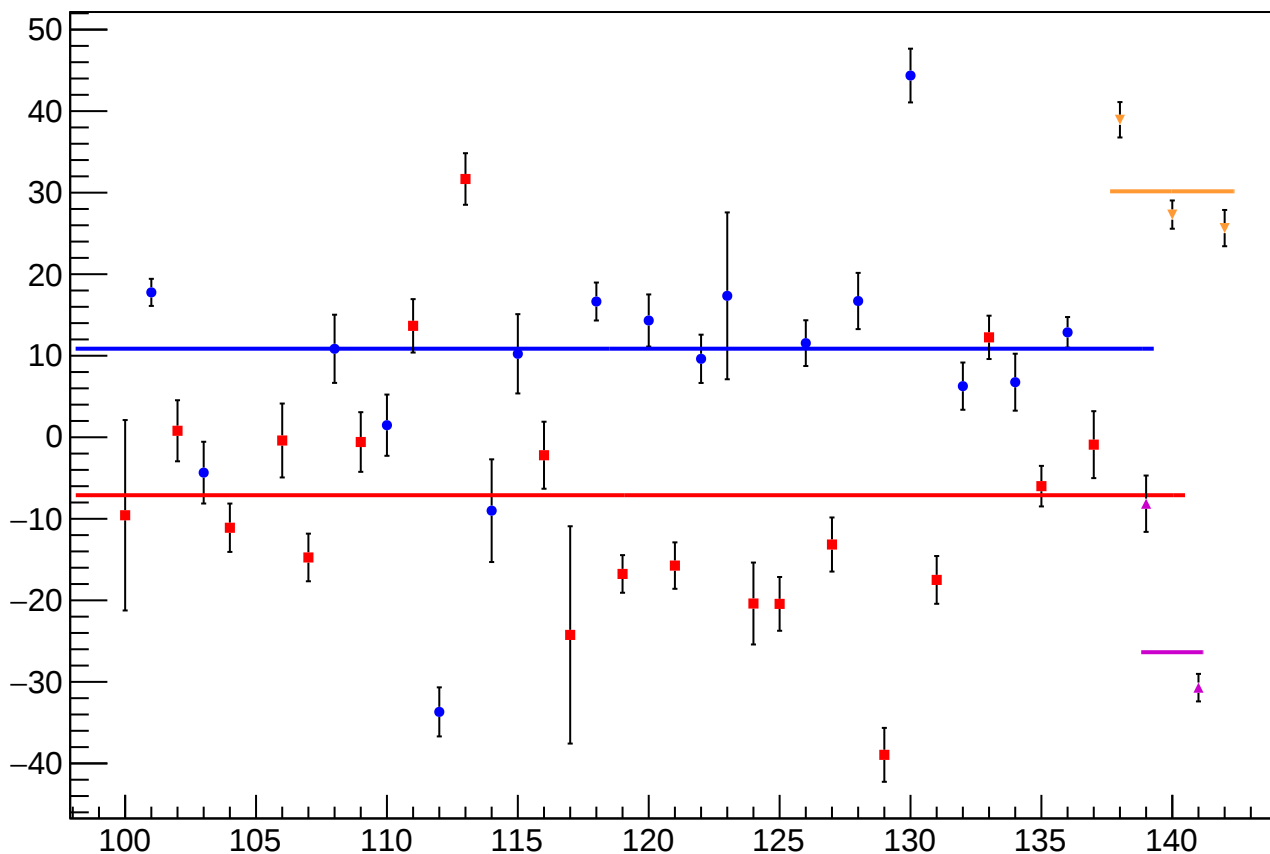
Left In: -142.955 +/- 1.506 χ^2/NDF : 62.4/1

138.525 +/- 0.849 χ^2/NDF : 2724.1/19

4.282 +/- 0.626 χ^2/NDF : 59292.0/41

-155.345 +/- 0.926 χ^2/NDF : 1883.6/21

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 30.164 $\pm$ 1.157 χ^2 /NDF: 23.2/2

Right Out: -7.106 $\pm$ 0.746 χ^2 /NDF: 426.4/19

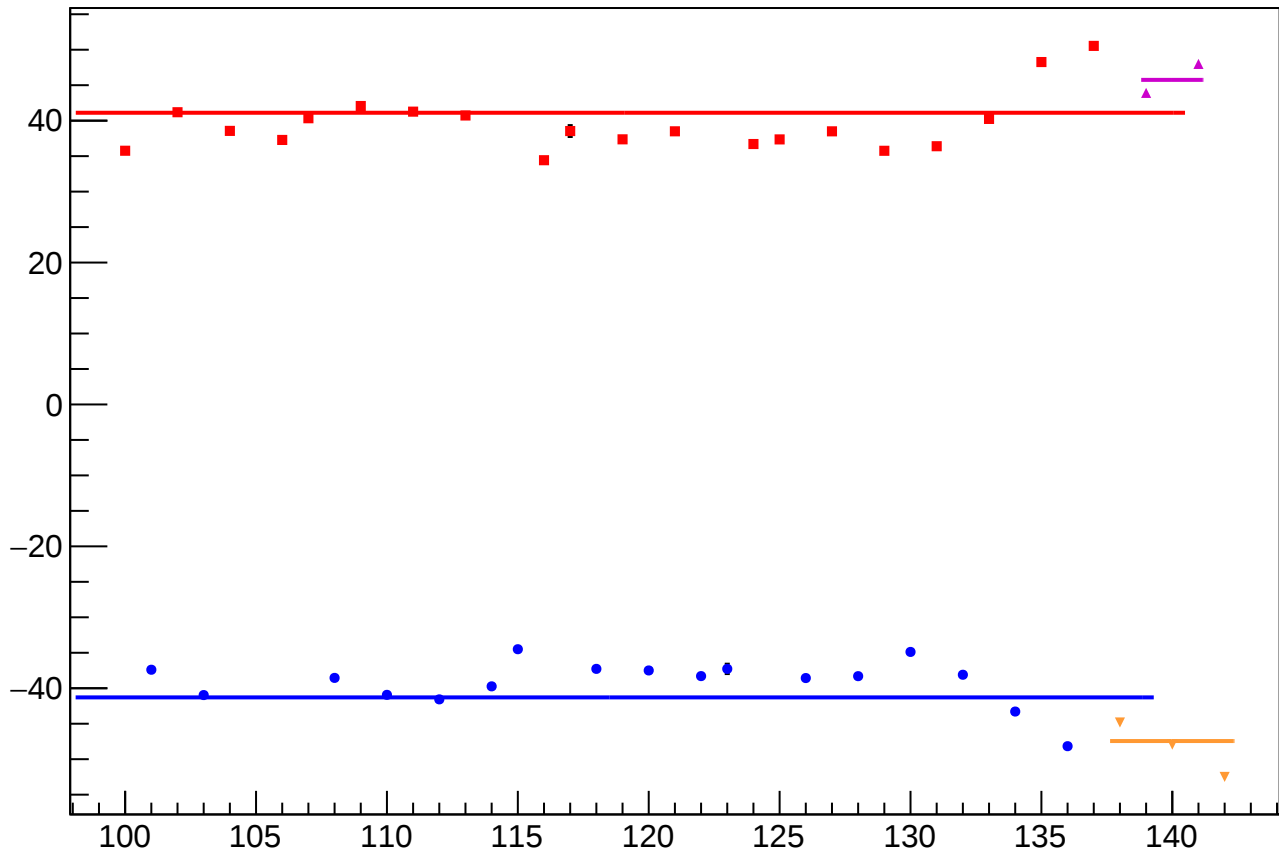
Left In: -26.362 $\pm$ 1.516 χ^2 /NDF: 34.4/1

16.247 $\pm$ 0.611 χ^2 /NDF: 611.8/19

3.932 $\pm$ 0.451 χ^2 /NDF: 2096.7/41

-10.861 $\pm$ 0.670 χ^2 /NDF: 590.6/21

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



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

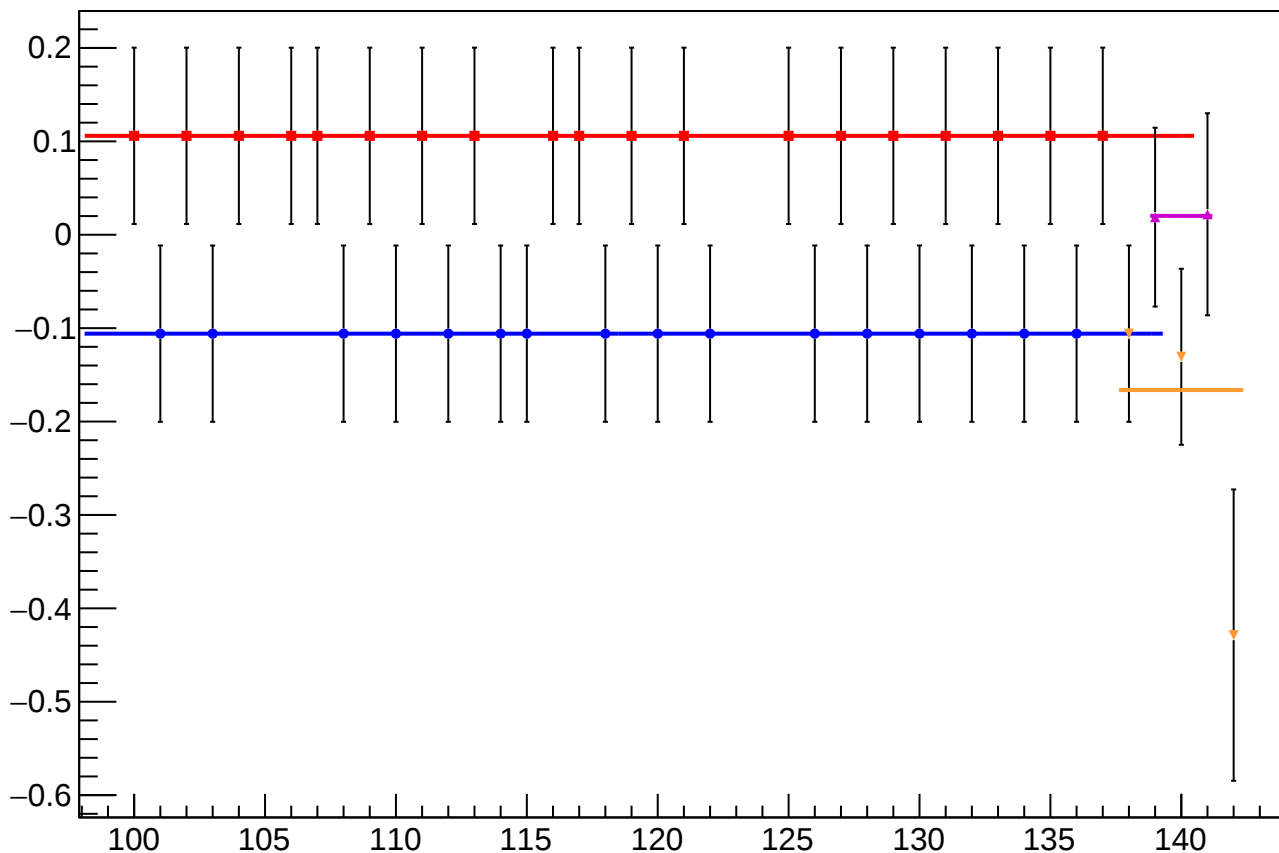
Left In: 45.750+/-0.057 χ^2/NDF : 1286.0/1

-43.469+/-0.031 χ^2/NDF : 24238.5/19

-1.653+/-0.022 χ^2/NDF : 3781137.2/41

42.587+/-0.032 χ^2/NDF : 17978.3/21

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.106 ± 0.024 χ^2/NDF : 0.0/15

Left Out: -0.166 ± 0.061 χ^2/NDF : 3.4/2

Right Out: 0.106 ± 0.022 χ^2/NDF : 0.0/18

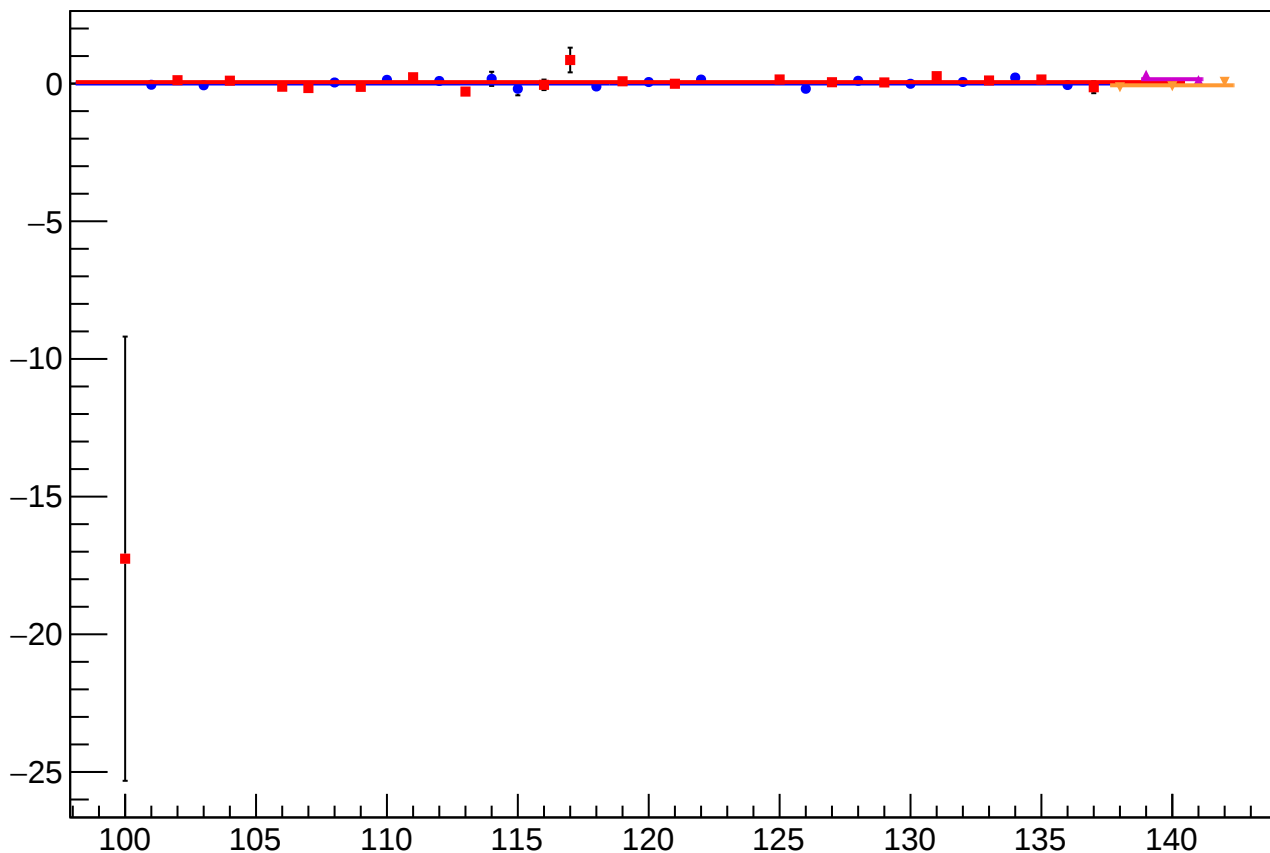
Left In: 0.020 ± 0.072 χ^2/NDF : 0.0/1

-0.114 ± 0.022 χ^2/NDF : 4.2/18

-0.001 ± 0.015 χ^2/NDF : 54.8/39

0.099 ± 0.021 χ^2/NDF : 1.3/20

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.029 χ^2 /NDF: 12.4/15

Left Out: -0.062 $\pm$ 0.052 χ^2 /NDF: 2.3/2

Right Out: 0.053 $\pm$ 0.029 χ^2 /NDF: 28.8/18

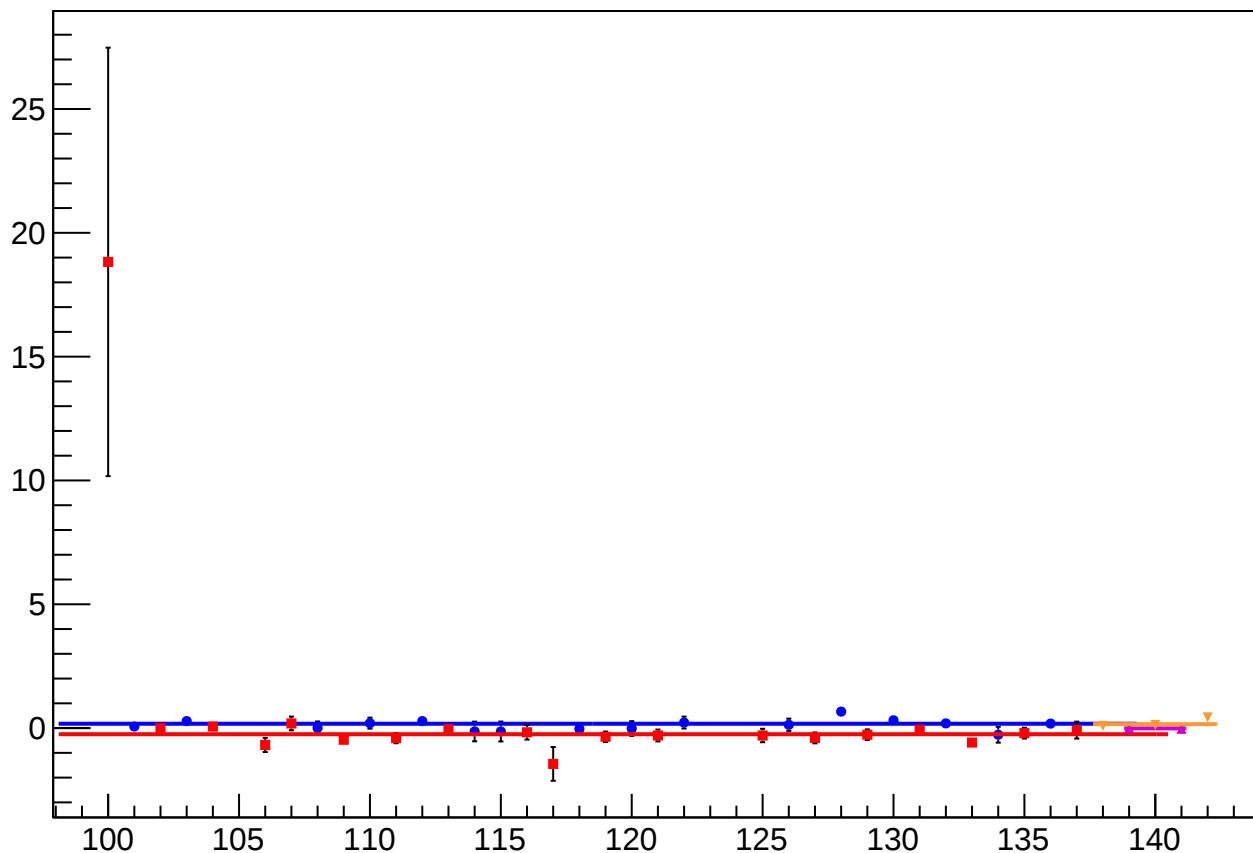
Left In: 0.159 $\pm$ 0.071 χ^2 /NDF: 1.0/1

-0.012 $\pm$ 0.025 χ^2 /NDF: 16.0/18

0.025 $\pm$ 0.018 χ^2 /NDF: 52.5/39

0.069 $\pm$ 0.027 χ^2 /NDF: 31.8/20

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



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

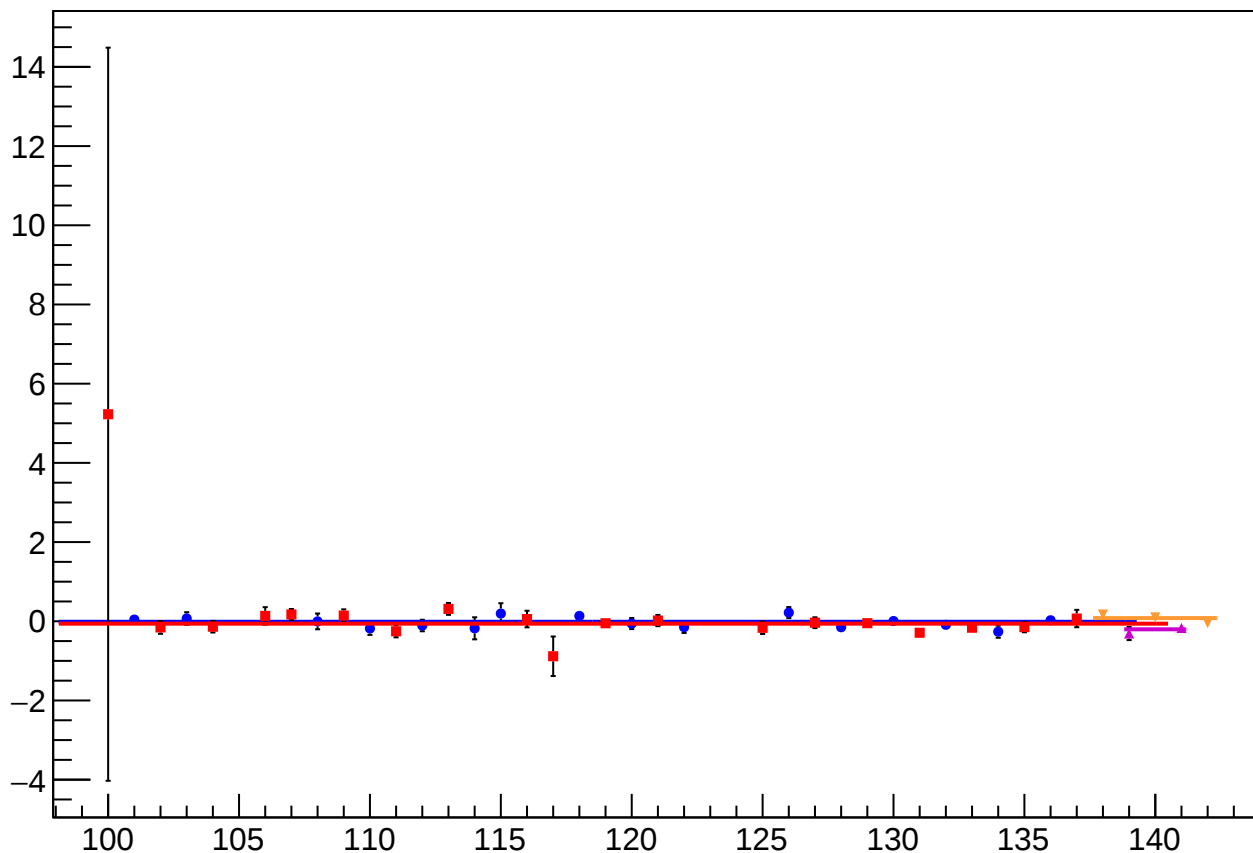
Left In: -0.013 ± 0.077 χ^2/NDF : 0.0/1

0.169 ± 0.041 χ^2/NDF : 16.2/18

0.011 ± 0.030 χ^2/NDF : 79.0/39

-0.170 ± 0.044 χ^2/NDF : 31.0/20

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



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

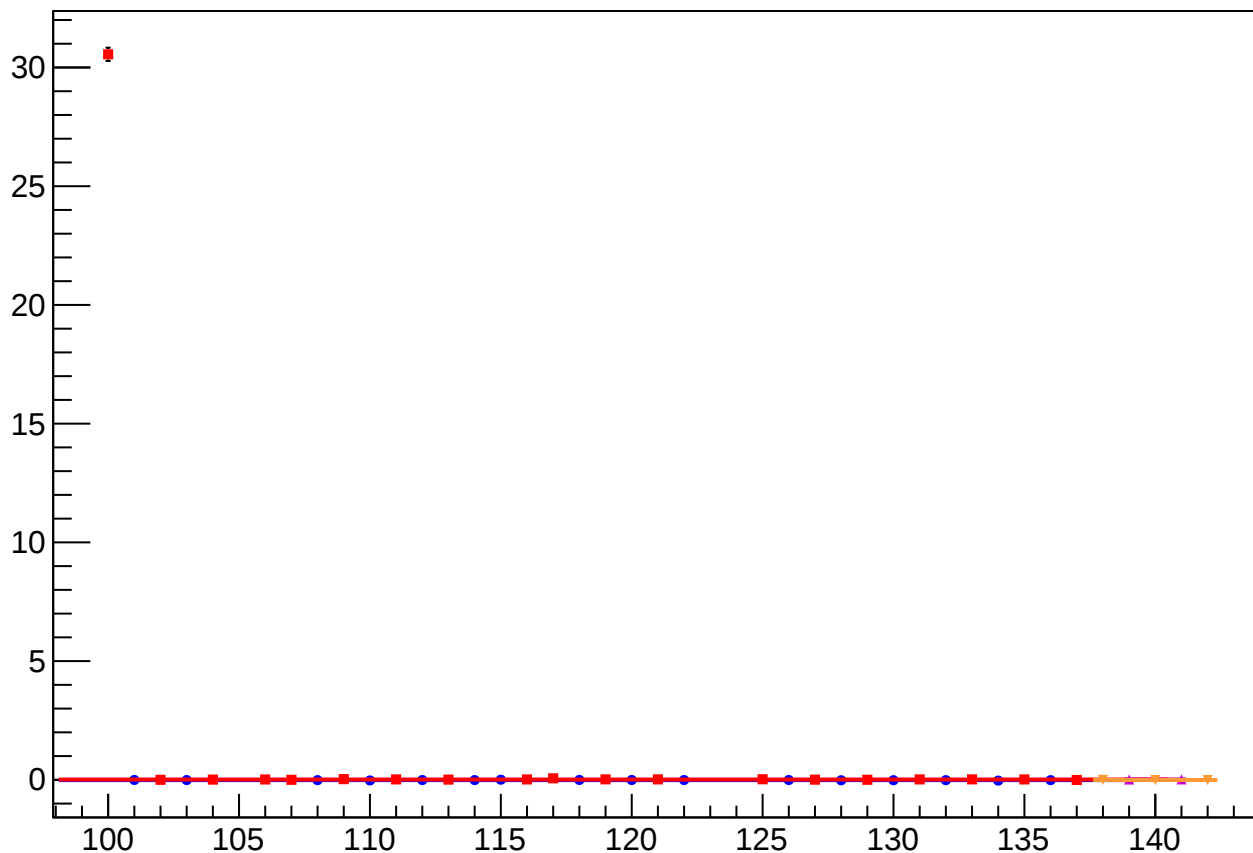
Left In: -0.203 ± 0.081 χ^2/NDF : 0.6/1

0.008 ± 0.029 χ^2/NDF : 17.2/18

-0.034 ± 0.021 χ^2/NDF : 47.9/39

-0.082 ± 0.031 χ^2/NDF : 26.2/20

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.006 ± 0.003 χ^2/NDF : 2.5/2

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

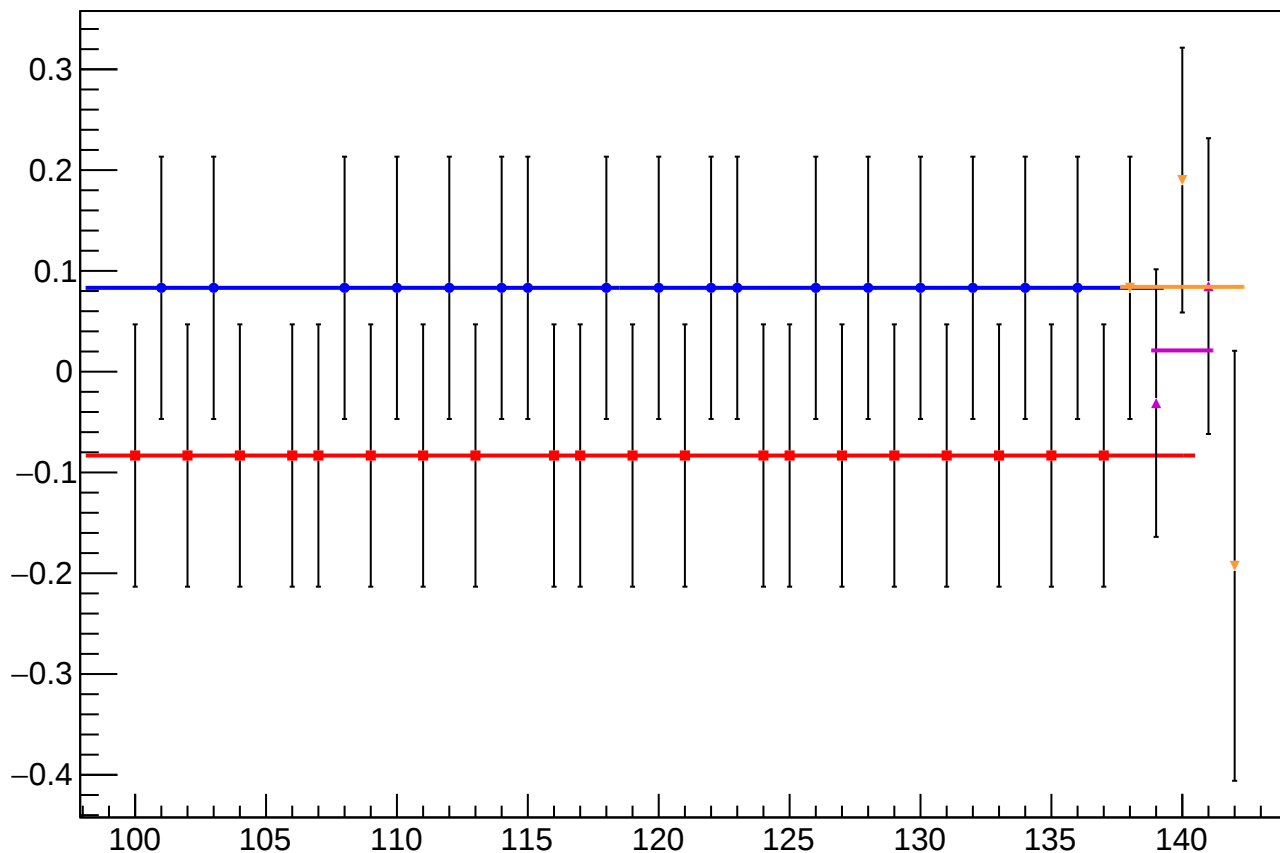
Left In: 0.016 ± 0.003 χ^2/NDF : 0.4/1

-0.010 ± 0.001 χ^2/NDF : 18.3/18

0.001 ± 0.001 χ^2/NDF : 12034.8/39

0.013 ± 0.002 χ^2/NDF : 11895.6/20

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.083 $\pm$ 0.032 χ^2 /NDF: 0.0/16

Left Out: 0.084 $\pm$ 0.085 χ^2 /NDF: 2.3/2

Right Out: -0.083 $\pm$ 0.029 χ^2 /NDF: 0.0/19

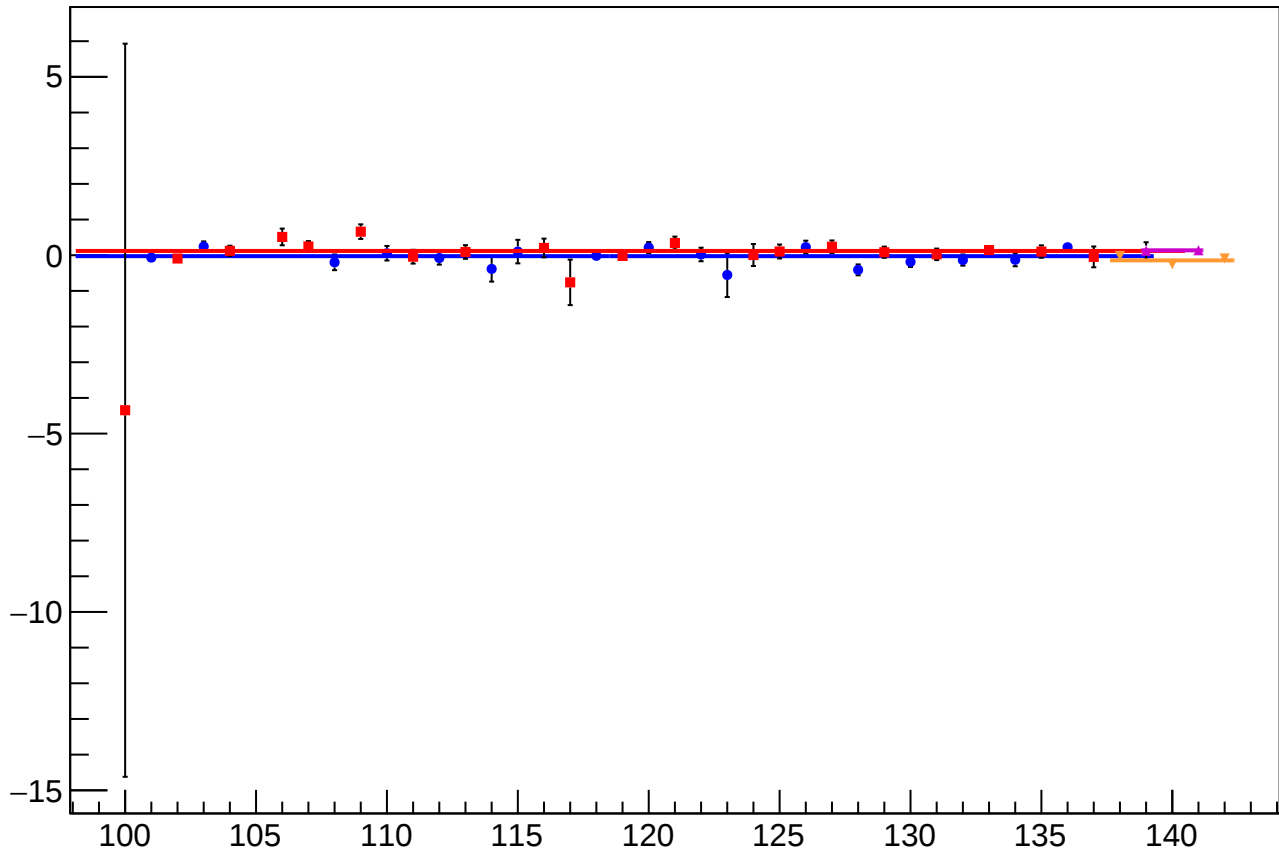
Left In: 0.021 $\pm$ 0.098 χ^2 /NDF: 0.3/1

0.083 $\pm$ 0.030 χ^2 /NDF: 2.3/19

-0.000 $\pm$ 0.020 χ^2 /NDF: 18.8/41

-0.075 $\pm$ 0.028 χ^2 /NDF: 1.4/21

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 $\chi^2/\text{NDF}: 22.7/16$

Left Out: -0.144 ± 0.072 $\chi^2/\text{NDF}: 2.0/2$

Right Out: 0.120 ± 0.039 $\chi^2/\text{NDF}: 20.2/19$

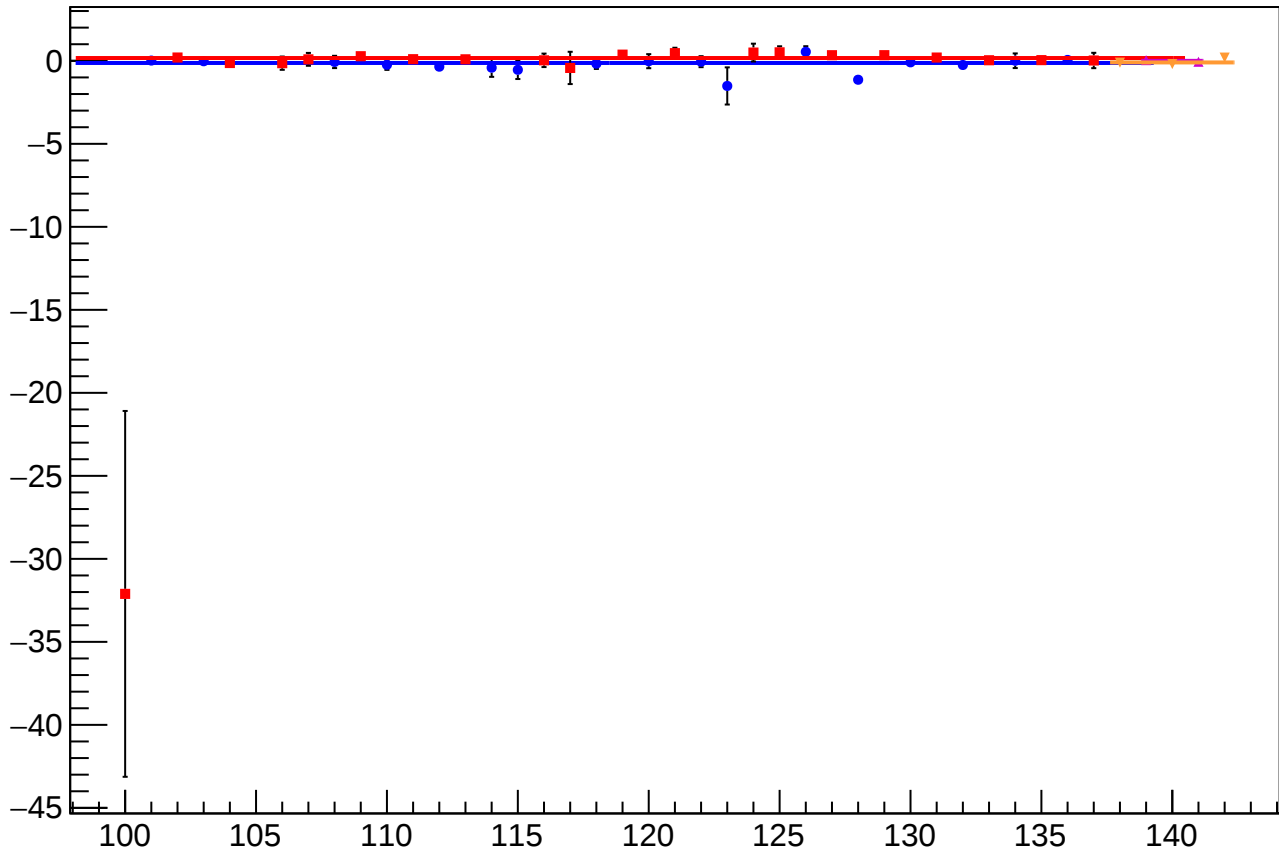
Left In: 0.137 ± 0.096 $\chi^2/\text{NDF}: 0.0/1$

-0.050 ± 0.033 $\chi^2/\text{NDF}: 26.8/19$

0.027 ± 0.024 $\chi^2/\text{NDF}: 59.5/41$

0.123 ± 0.036 $\chi^2/\text{NDF}: 20.2/21$

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.1/16$

Left Out: -0.097 ± 0.091 $\chi^2/\text{NDF}: 2.1/2$

Right Out: 0.169 ± 0.071 $\chi^2/\text{NDF}: 15.3/19$

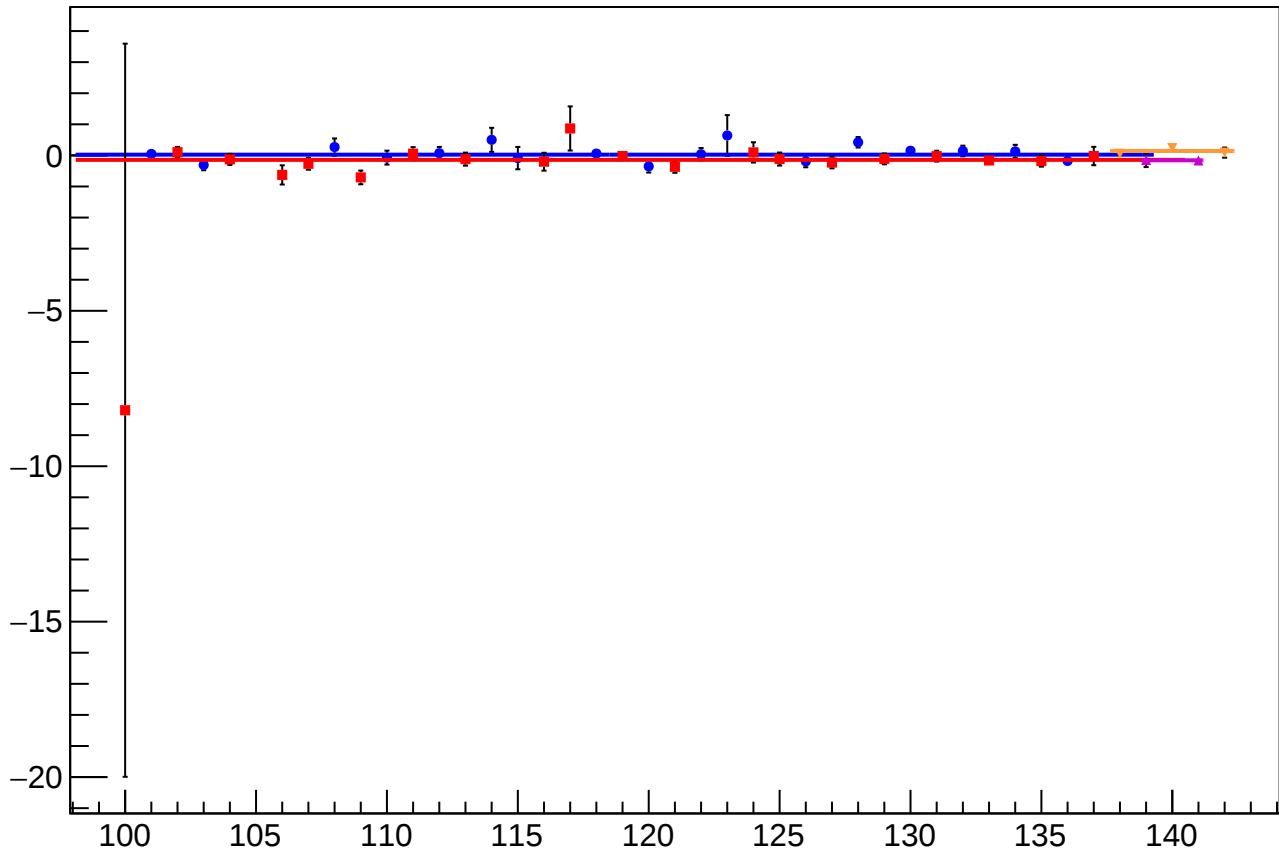
Left In: -0.002 ± 0.106 $\chi^2/\text{NDF}: 0.2/1$

-0.118 ± 0.054 $\chi^2/\text{NDF}: 25.3/19$

-0.011 ± 0.040 $\chi^2/\text{NDF}: 51.2/41$

0.116 ± 0.059 $\chi^2/\text{NDF}: 17.3/21$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



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

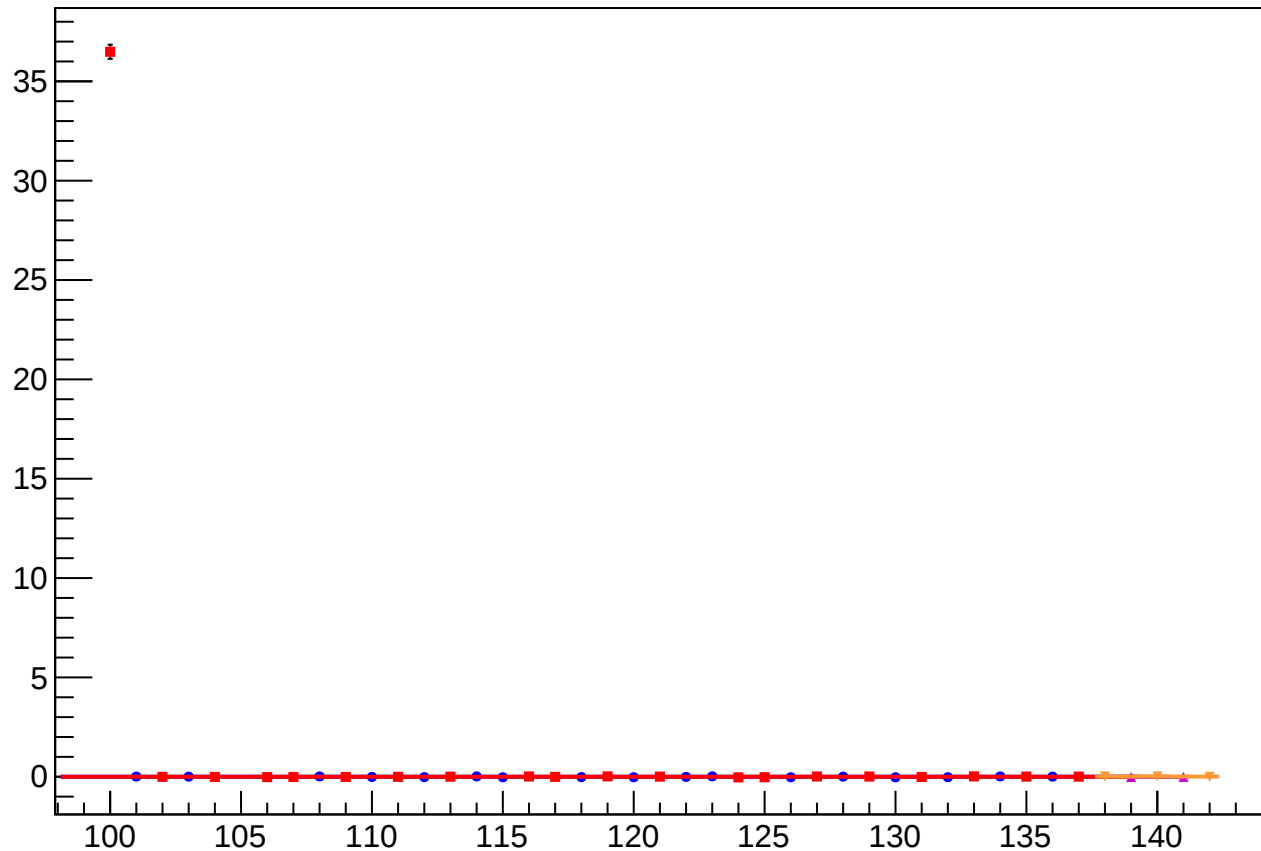
Left In: -0.158 ± 0.111 χ^2/NDF : 0.0/1

0.047 ± 0.038 χ^2/NDF : 23.8/19

-0.040 ± 0.028 χ^2/NDF : 54.0/41

-0.146 ± 0.042 χ^2/NDF : 18.7/21

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.009 $\pm$ 0.004 χ^2 /NDF: 3.2/2

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

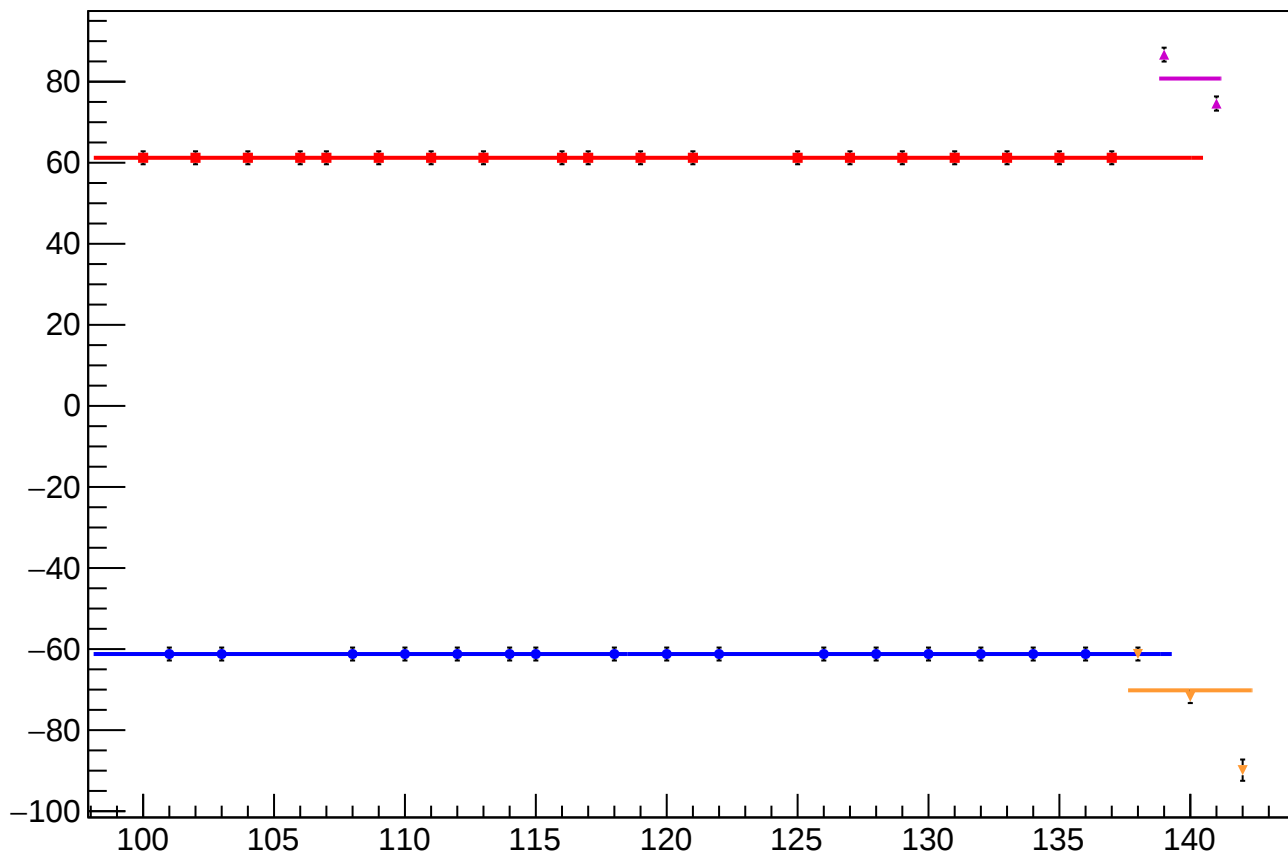
Left In: -0.008 $\pm$ 0.004 χ^2 /NDF: 0.9/1

0.003 $\pm$ 0.002 χ^2 /NDF: 36.7/19

0.000 $\pm$ 0.001 χ^2 /NDF: 10494.4/41

-0.003 $\pm$ 0.002 χ^2 /NDF: 10452.6/21

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

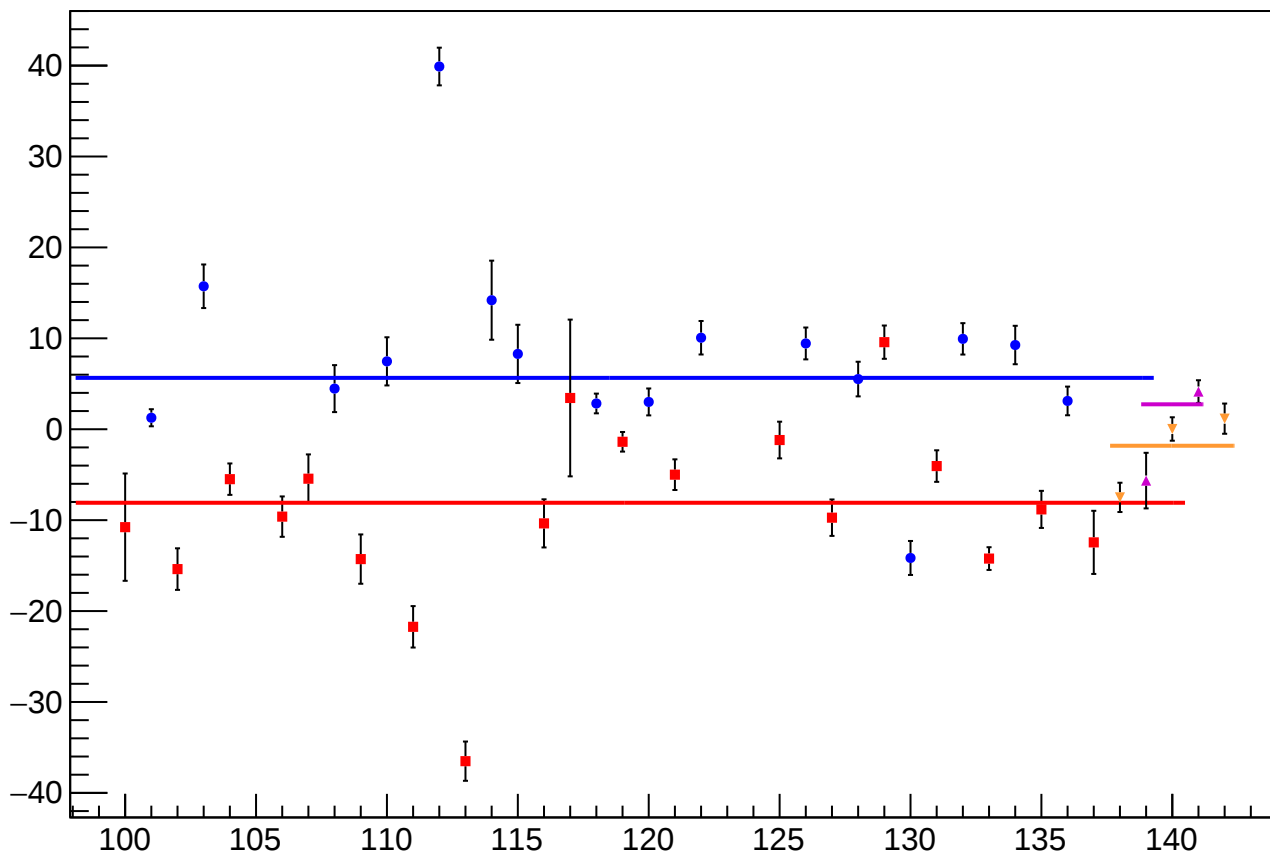
Left In: 80.774 $\pm$ 1.224 χ^2/NDF : 24.3/1

-62.393 $\pm$ 0.373 χ^2/NDF : 154.0/18

3.909 $\pm$ 0.256 χ^2/NDF : 59969.9/39

62.837 $\pm$ 0.352 χ^2/NDF : 258.3/20

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: -1.816 ± 0.861 χ^2/NDF : 17.7/2

Right Out: -8.087 ± 0.452 χ^2/NDF : 409.7/18

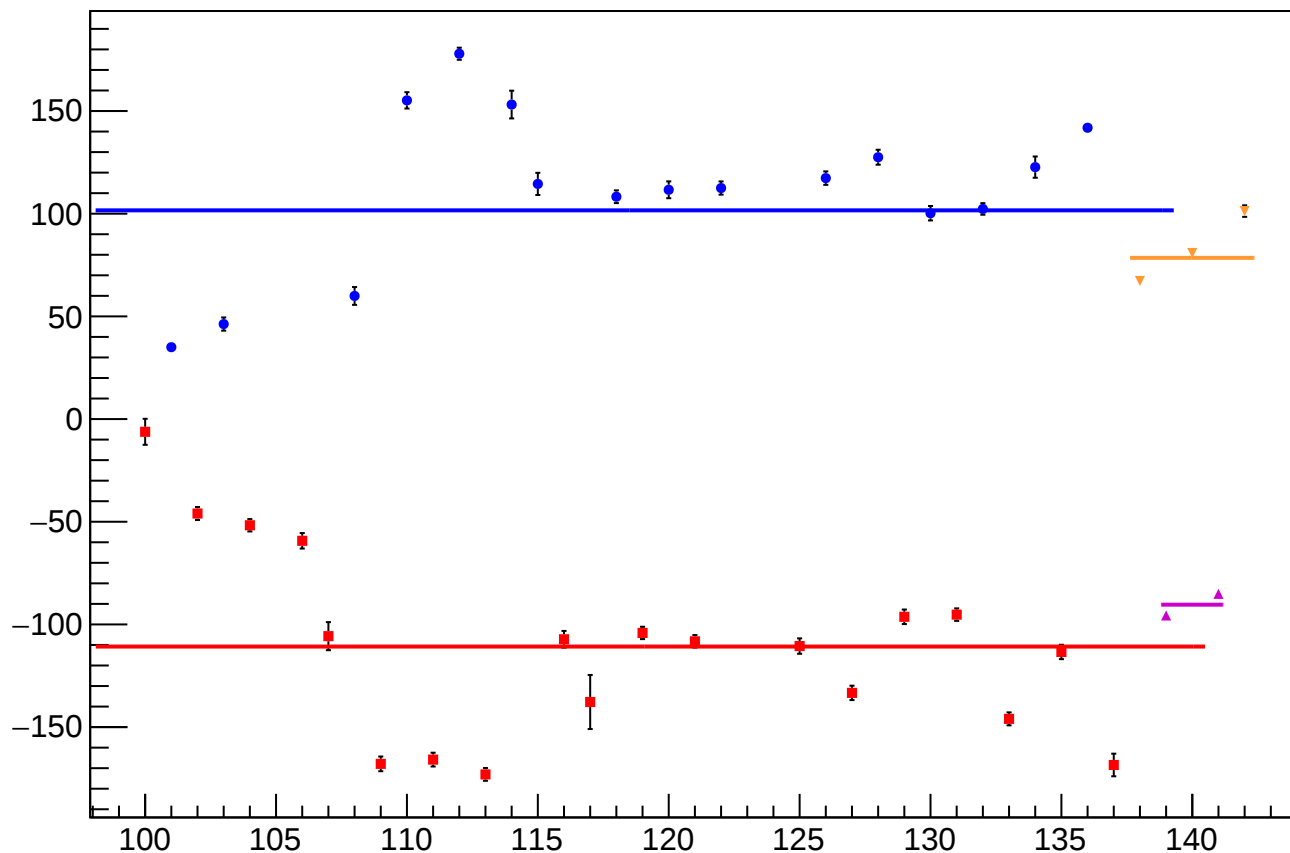
Left In: 2.743 ± 1.156 χ^2/NDF : 8.8/1

4.165 ± 0.384 χ^2/NDF : 539.8/18

-0.749 ± 0.284 χ^2/NDF : 1394.8/39

-6.651 ± 0.421 χ^2/NDF : 494.6/20

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 +/- 0.812 χ^2/NDF : 2980.2/15

Left Out: 78.500 +/- 1.108 χ^2/NDF : 109.7/2

Right Out: -110.778 +/- 0.834 χ^2/NDF : 2518.3/18

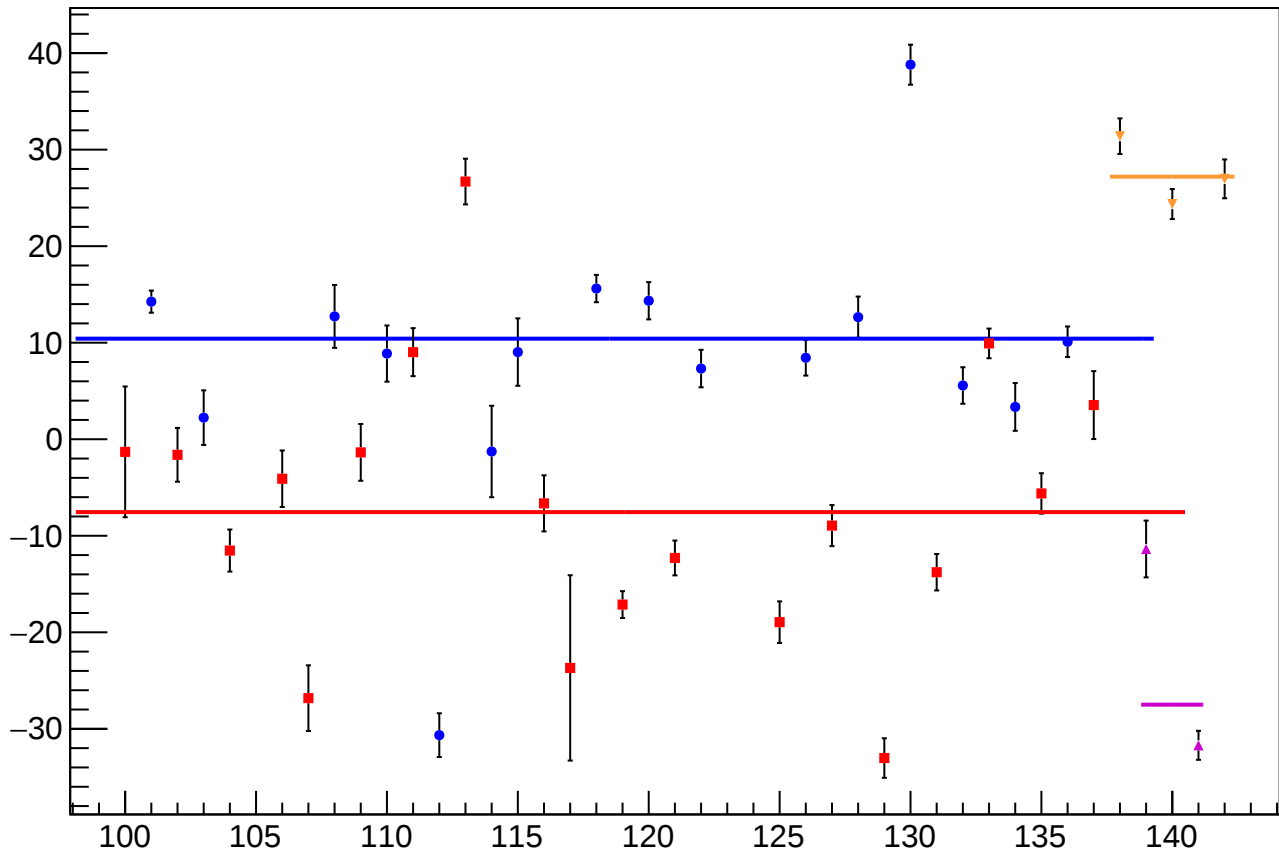
Left In: -90.380 +/- 1.315 χ^2/NDF : 16.0/1

93.549 +/- 0.655 χ^2/NDF : 3373.3/18

1.528 +/- 0.480 χ^2/NDF : 48646.3/39

-104.920 +/- 0.704 χ^2/NDF : 2705.9/20

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 $\pm$ 0.497 χ^2/NDF : 579.7/15

Left Out: 27.202 $\pm$ 1.024 χ^2/NDF : 8.5/2

Right Out: -7.550 $\pm$ 0.522 χ^2/NDF : 692.3/18

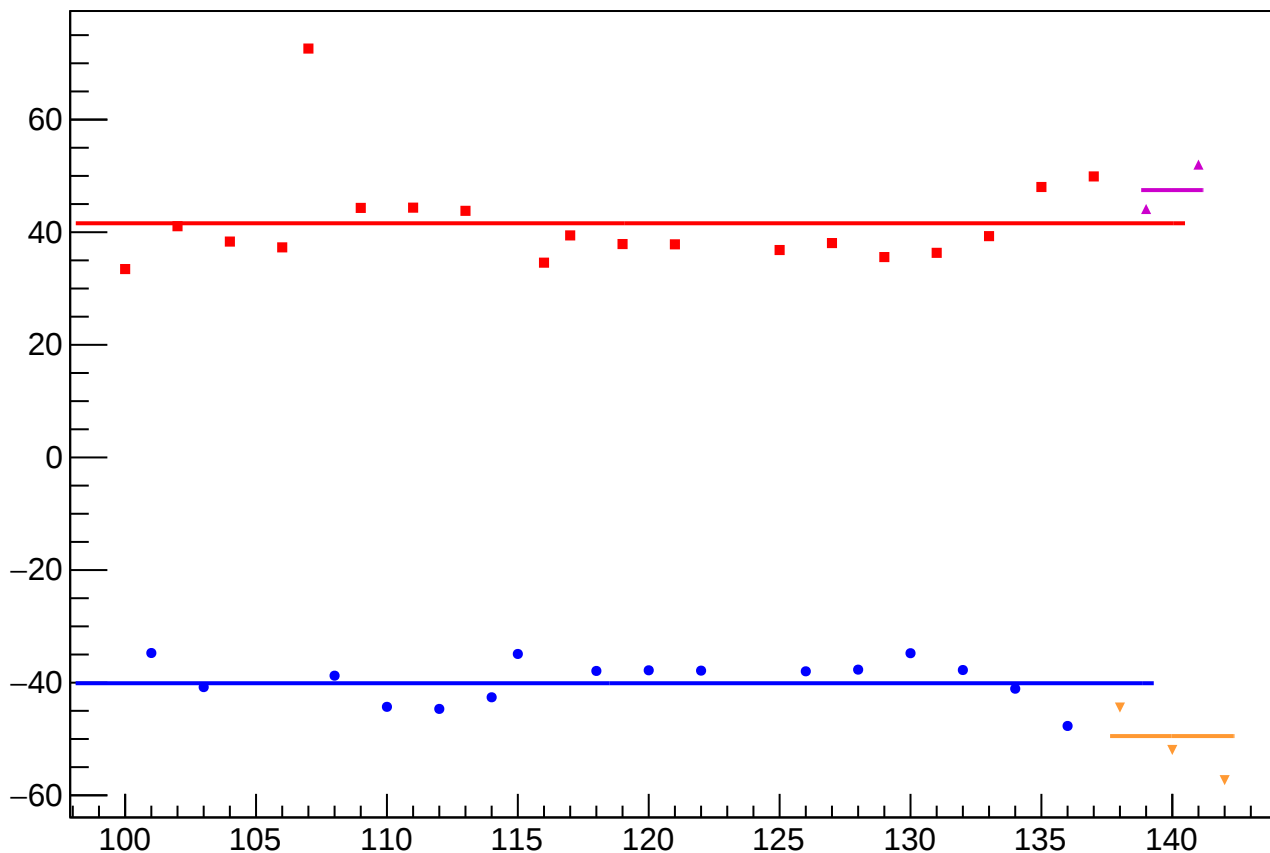
Left In: -27.497 $\pm$ 1.338 χ^2/NDF : 37.9/1

13.624 $\pm$ 0.447 χ^2/NDF : 805.7/18

2.717 $\pm$ 0.329 χ^2/NDF : 3026.5/39

-10.190 $\pm$ 0.487 χ^2/NDF : 923.1/20

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 $\pm$ 0.028 χ^2 /NDF: 25073.4/15

Left Out: -49.483 $\pm$ 0.046 χ^2 /NDF:11383.6/2

Right Out: 41.588 $\pm$ 0.029 χ^2 /NDF: 61690.5/18

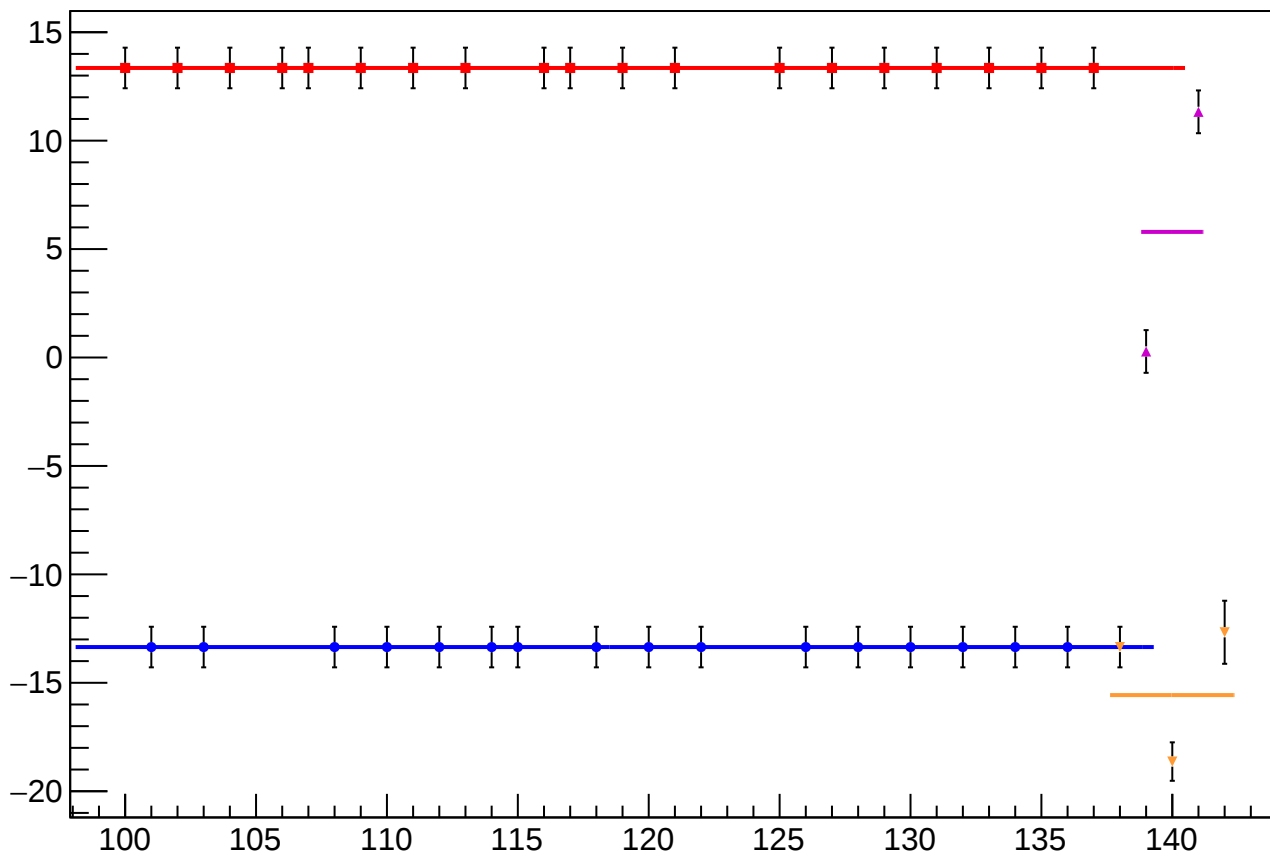
Left In: 47.480 $\pm$ 0.049 χ^2 /NDF:6280.3/1

-42.694 $\pm$ 0.024 χ^2 /NDF: 66830.8/18

-0.895 $\pm$ 0.017 χ^2 /NDF: 6325364.7/39

43.074 $\pm$ 0.025 χ^2 /NDF: 78703.0/20

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.352 $\pm$ 0.234 χ^2/NDF : 0.0/15

Left Out: -15.566 $\pm$ 0.589 χ^2/NDF : 21.5/2

Right Out: 13.352 $\pm$ 0.215 χ^2/NDF : 0.0/18

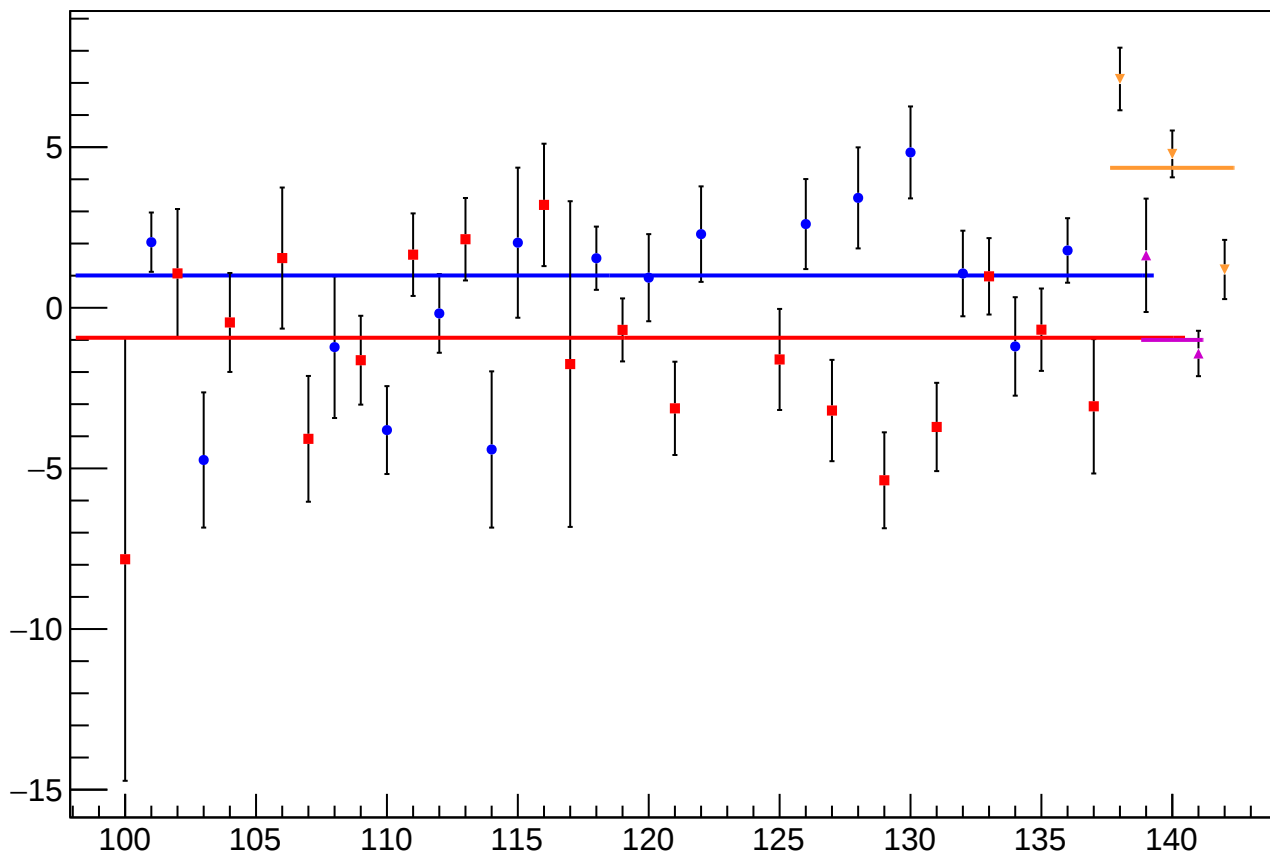
Left In: 5.792 $\pm$ 0.697 χ^2/NDF : 62.9/1

-13.654 $\pm$ 0.217 χ^2/NDF : 33.8/18

0.283 $\pm$ 0.149 χ^2/NDF : 7974.5/39

12.697 $\pm$ 0.205 χ^2/NDF : 170.3/20

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

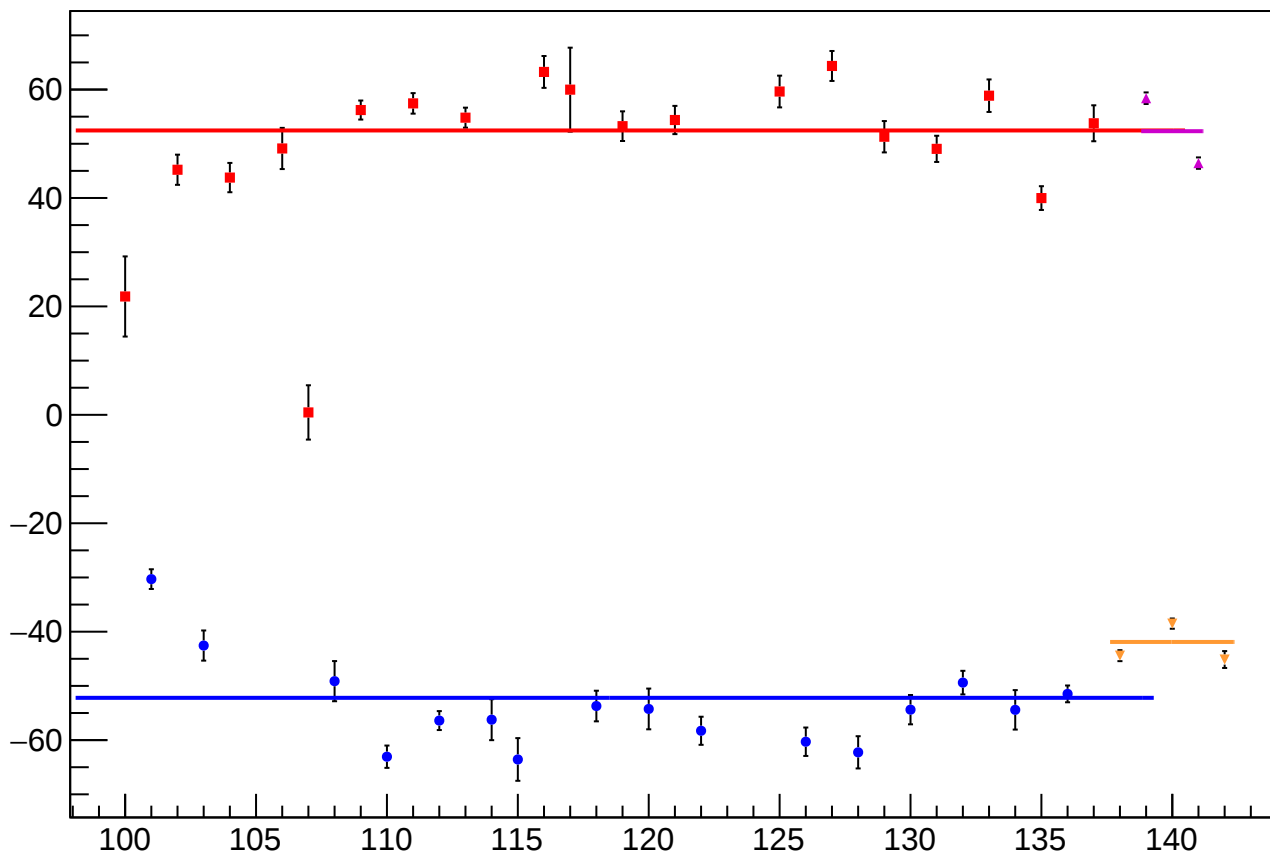
Left In: -1.000 ± 0.656 χ^2/NDF : 2.6/1

2.093 ± 0.281 χ^2/NDF : 94.2/18

0.725 ± 0.208 χ^2/NDF : 191.4/39

-0.948 ± 0.310 χ^2/NDF : 44.5/20

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

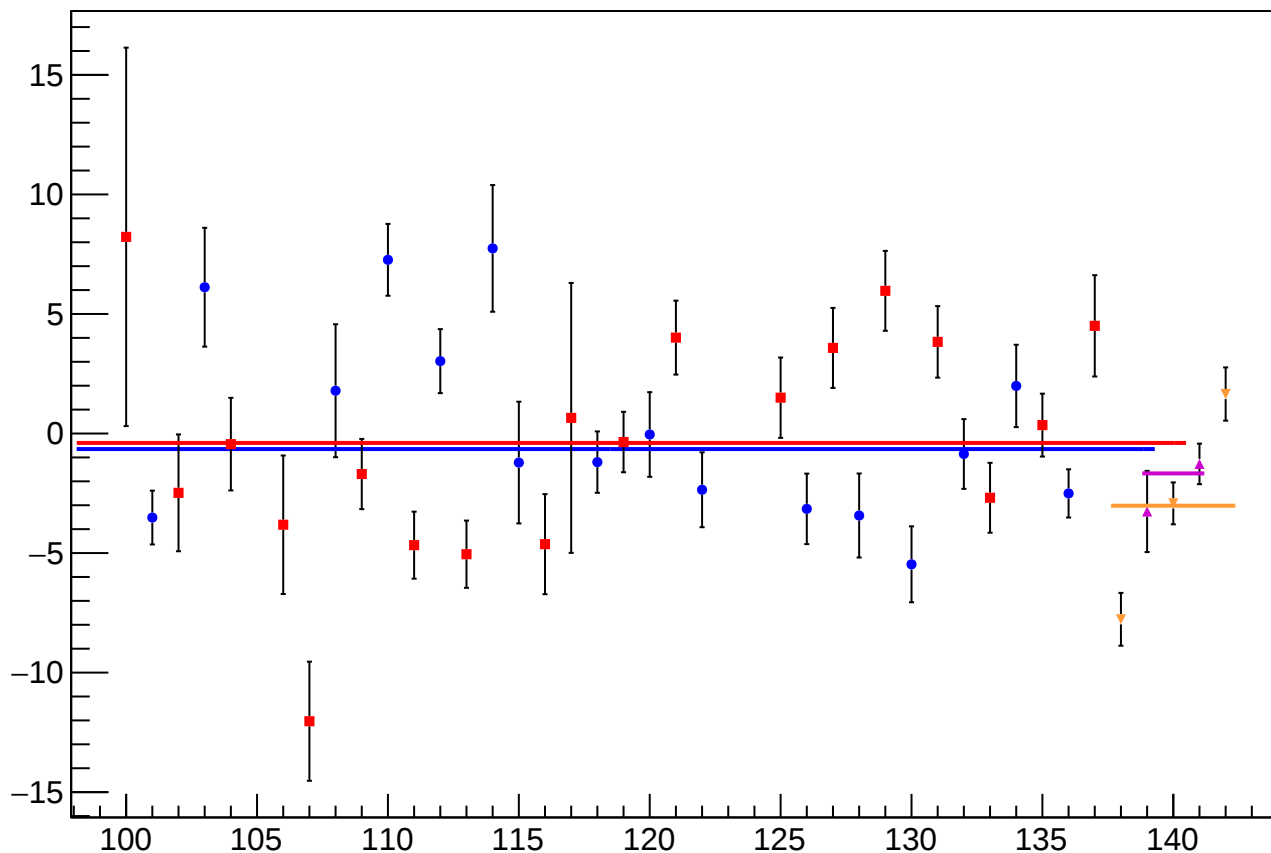
Left In: 52.320 ± 0.748 χ^2/NDF : 64.0/1

-47.189 ± 0.441 χ^2/NDF : 390.7/18

-1.099 ± 0.323 χ^2/NDF : 24340.4/39

52.400 ± 0.475 χ^2/NDF : 298.9/20

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

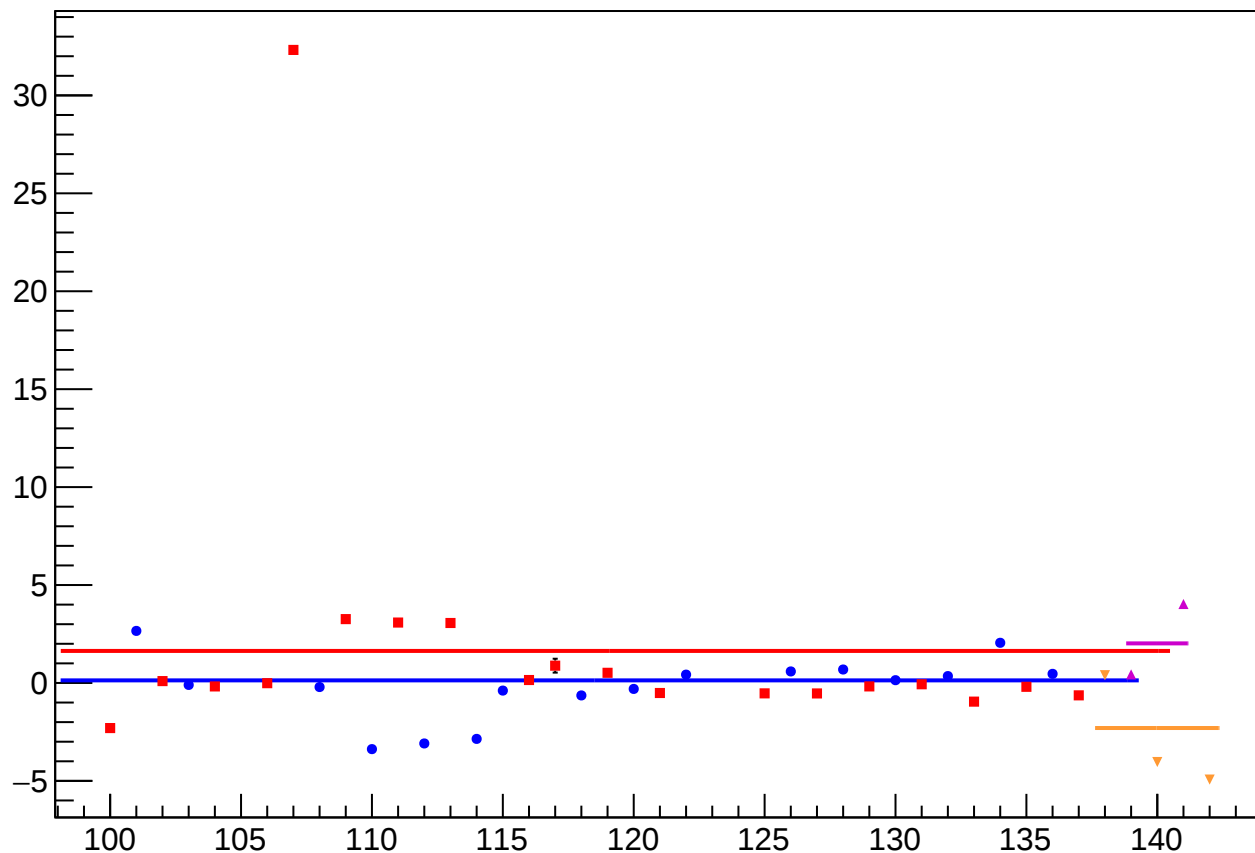
Left In: -1.669 ± 0.759 χ^2/NDF : 1.1/1

-1.372 ± 0.323 χ^2/NDF : 129.4/18

-1.052 ± 0.238 χ^2/NDF : 230.8/39

-0.670 ± 0.353 χ^2/NDF : 99.2/20

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

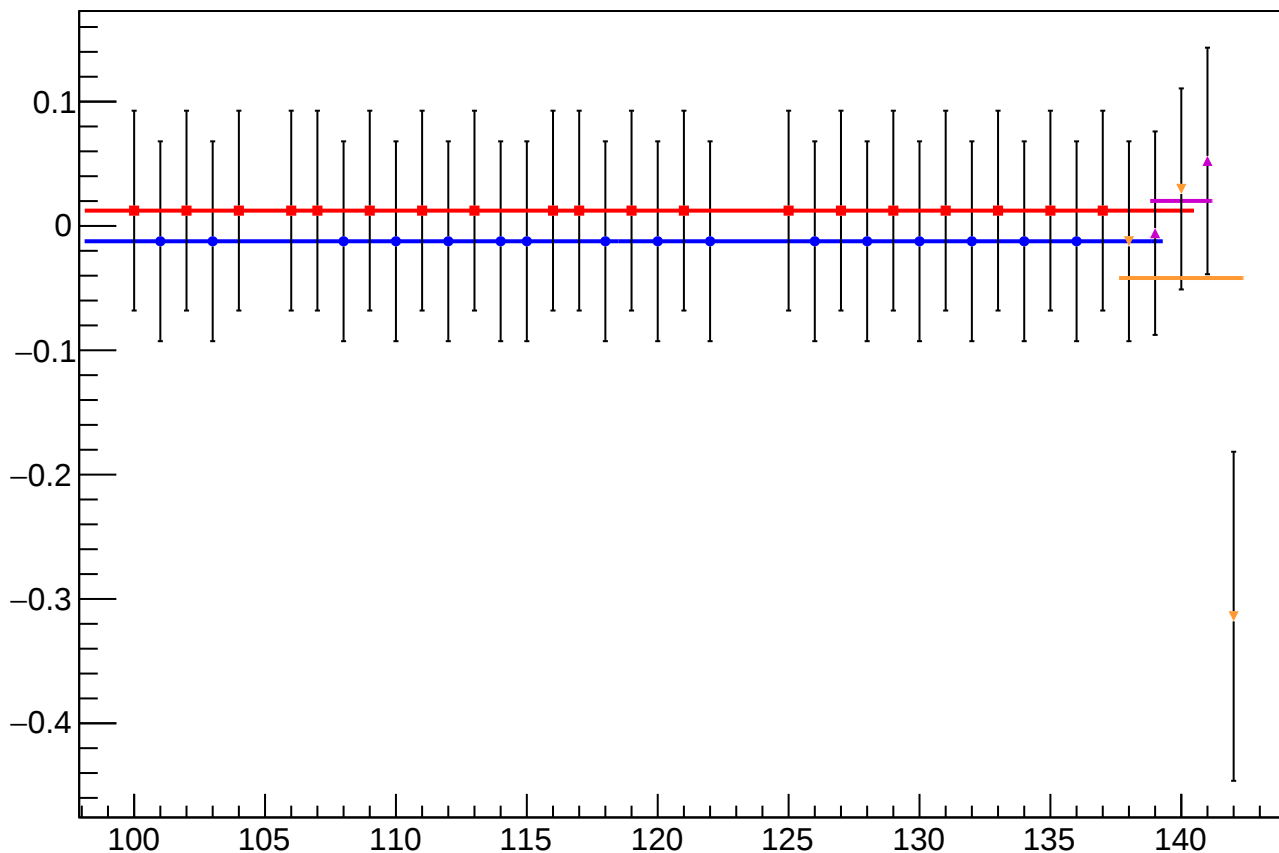
Left In: 2.020+/-0.028 χ^2/NDF : 4050.1/1

-0.862+/-0.017 χ^2/NDF : 18640.9/18

0.410+/-0.012 χ^2/NDF : 112889.5/39

1.780+/-0.017 χ^2/NDF : 82020.6/20

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.020 χ^2/NDF : 0.0/15

Left Out: -0.042 ± 0.052 χ^2/NDF : 5.1/2

Right Out: 0.012 ± 0.018 χ^2/NDF : 0.0/18

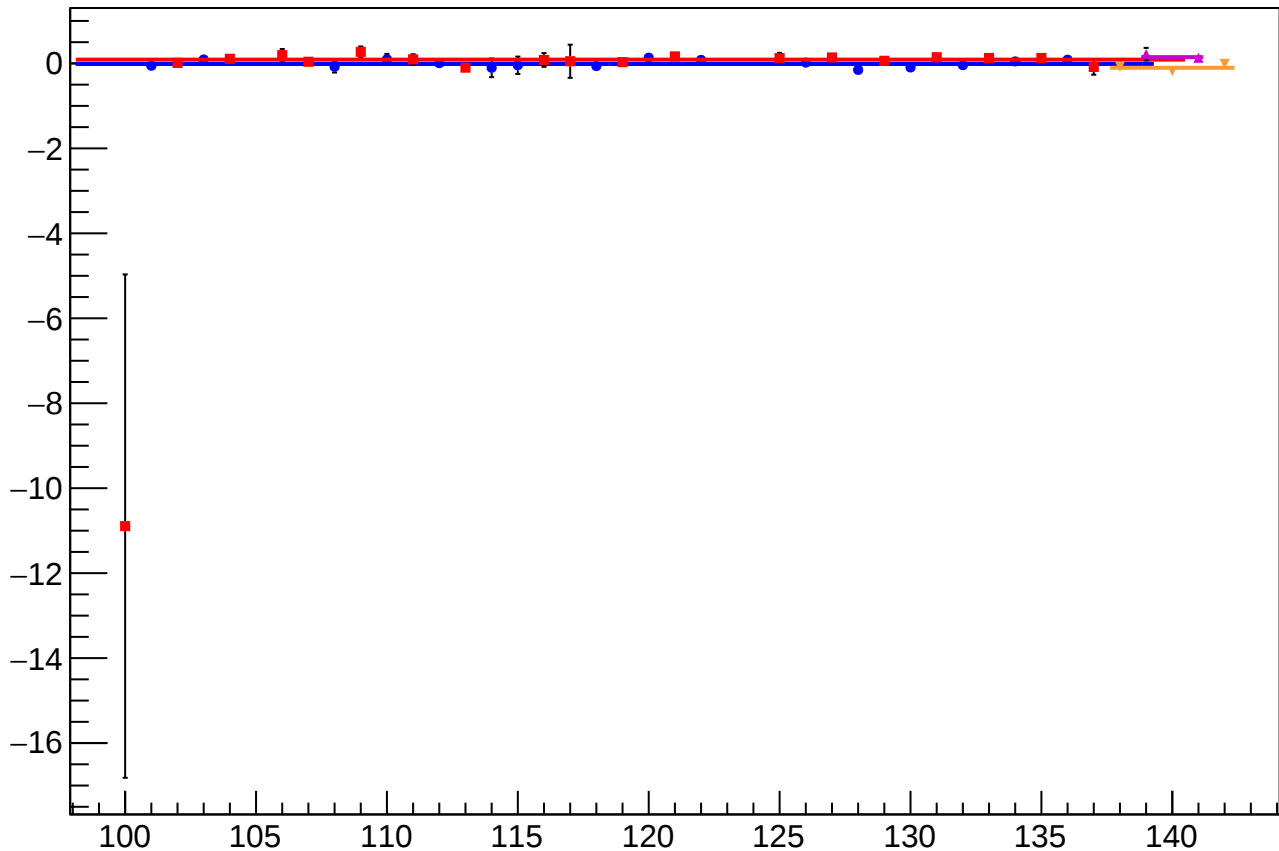
Left In: 0.020 ± 0.061 χ^2/NDF : 0.2/1

-0.016 ± 0.019 χ^2/NDF : 5.4/18

-0.001 ± 0.013 χ^2/NDF : 6.9/39

0.013 ± 0.018 χ^2/NDF : 0.2/20

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

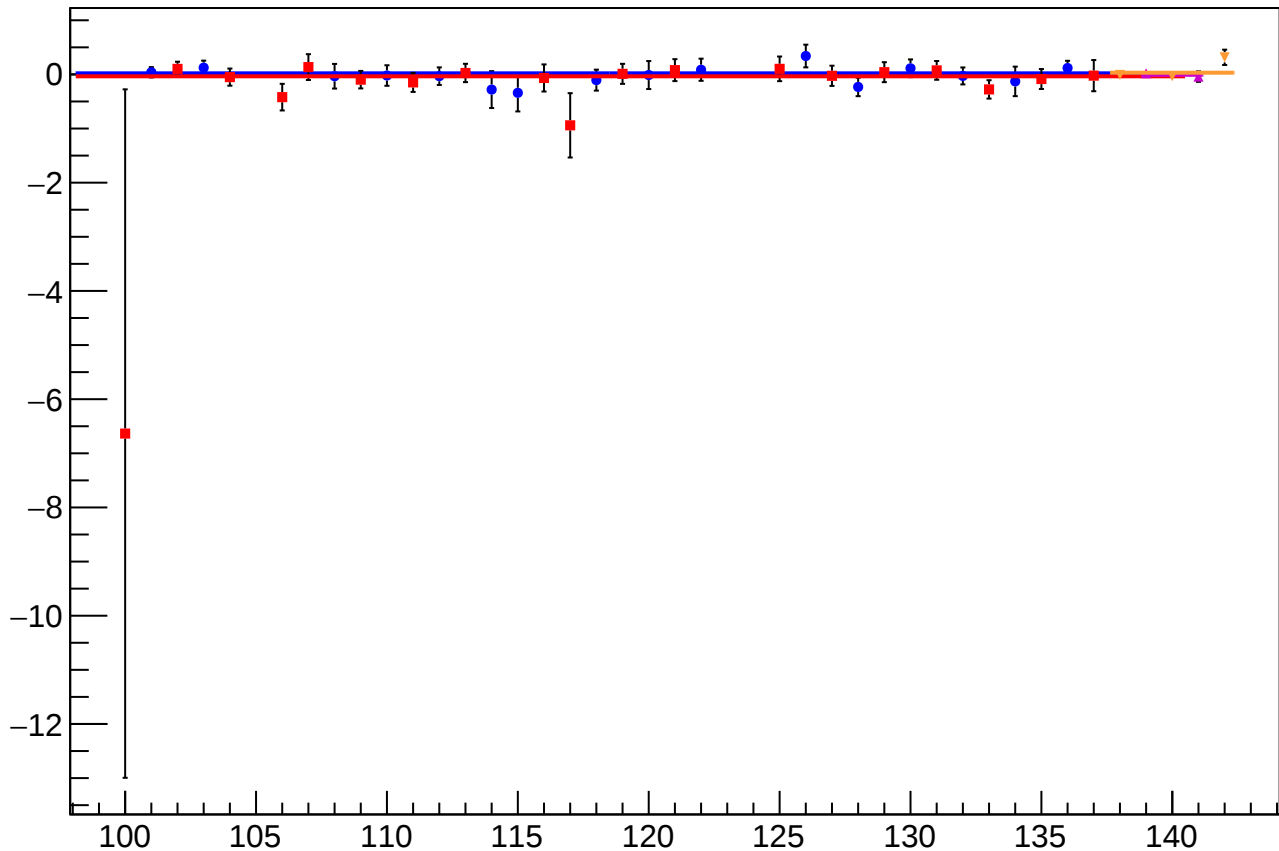
Left In: 0.148 ± 0.060 χ^2/NDF : 0.3/1

-0.033 ± 0.021 χ^2/NDF : 17.4/18

0.026 ± 0.015 χ^2/NDF : 49.2/39

0.098 ± 0.023 χ^2/NDF : 14.1/20

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.032 $\pm$ 0.056 χ^2 /NDF: 4.8/2

Right Out: -0.035 $\pm$ 0.045 χ^2 /NDF: 11.6/18

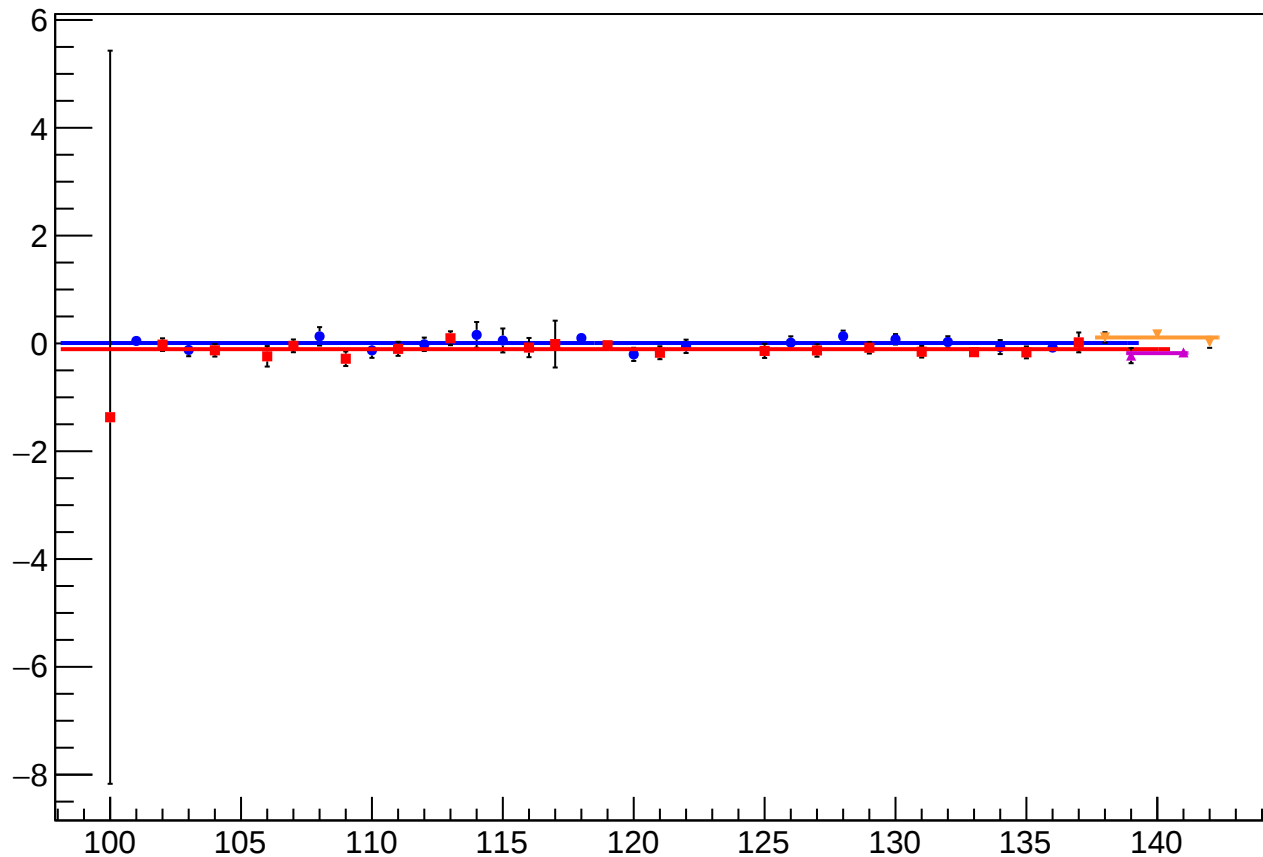
Left In: -0.007 $\pm$ 0.065 χ^2 /NDF: 0.2/1

0.024 $\pm$ 0.034 χ^2 /NDF: 13.9/18

0.001 $\pm$ 0.025 χ^2 /NDF: 26.8/39

-0.026 $\pm$ 0.037 χ^2 /NDF: 11.9/20

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.110 ± 0.053 χ^2/NDF : 1.3/2

Right Out: -0.106 ± 0.029 χ^2/NDF : 8.2/18

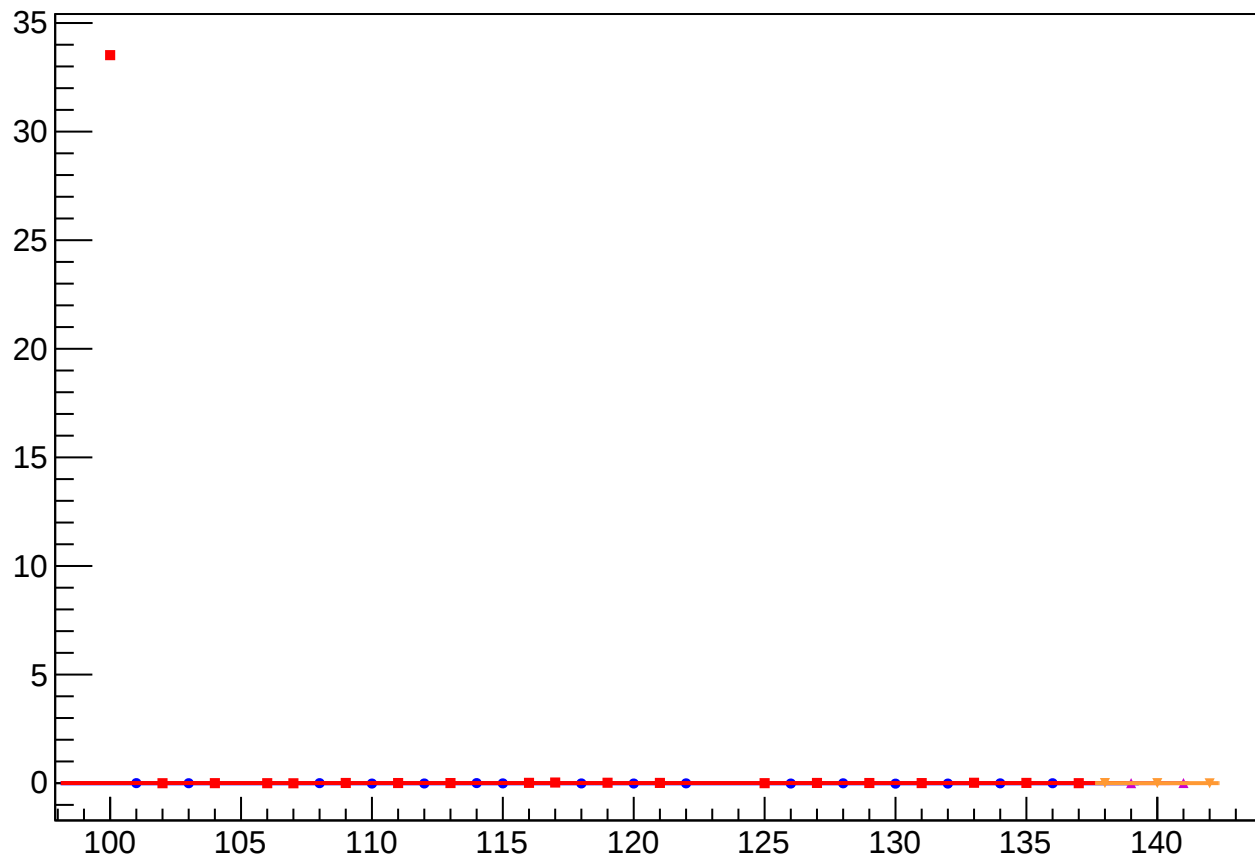
Left In: -0.180 ± 0.069 χ^2/NDF : 0.1/1

0.029 ± 0.024 χ^2/NDF : 15.6/18

-0.038 ± 0.018 χ^2/NDF : 41.7/39

-0.117 ± 0.026 χ^2/NDF : 9.3/20

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

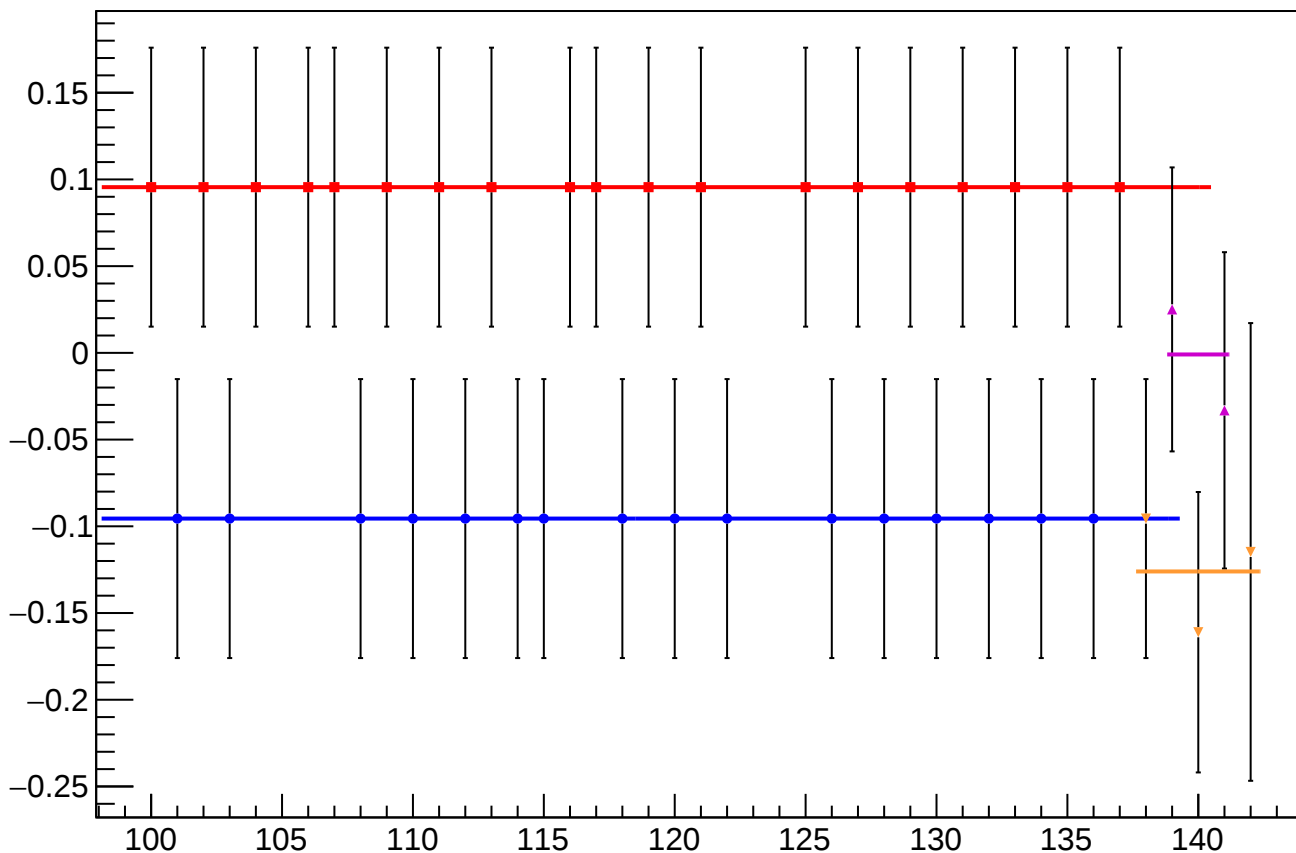
Left In: 0.004 ± 0.002 χ^2/NDF : 1.3/1

-0.003 ± 0.001 χ^2/NDF : 31.7/18

0.001 ± 0.001 χ^2/NDF : 26568.5/39

0.005 ± 0.001 χ^2/NDF : 26511.5/20

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.096 $\pm$ 0.020 χ^2/NDF : 0.0/15

Left Out: -0.126 $\pm$ 0.052 χ^2/NDF : 0.3/2

Right Out: 0.096 $\pm$ 0.018 χ^2/NDF : 0.0/18

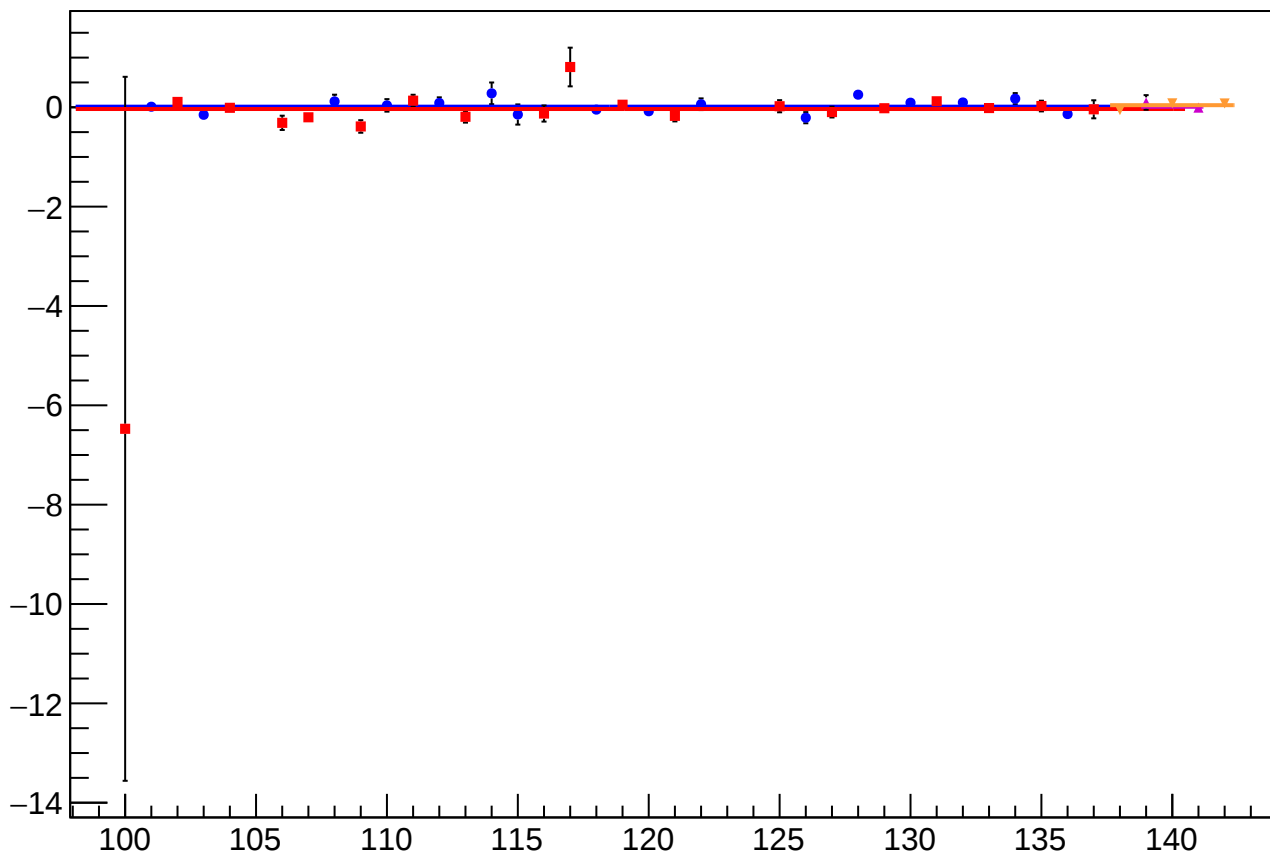
Left In: -0.001 $\pm$ 0.061 χ^2/NDF : 0.2/1

-0.099 $\pm$ 0.019 χ^2/NDF : 0.6/18

-0.000 $\pm$ 0.013 χ^2/NDF : 55.8/39

0.087 $\pm$ 0.018 χ^2/NDF : 2.5/20

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

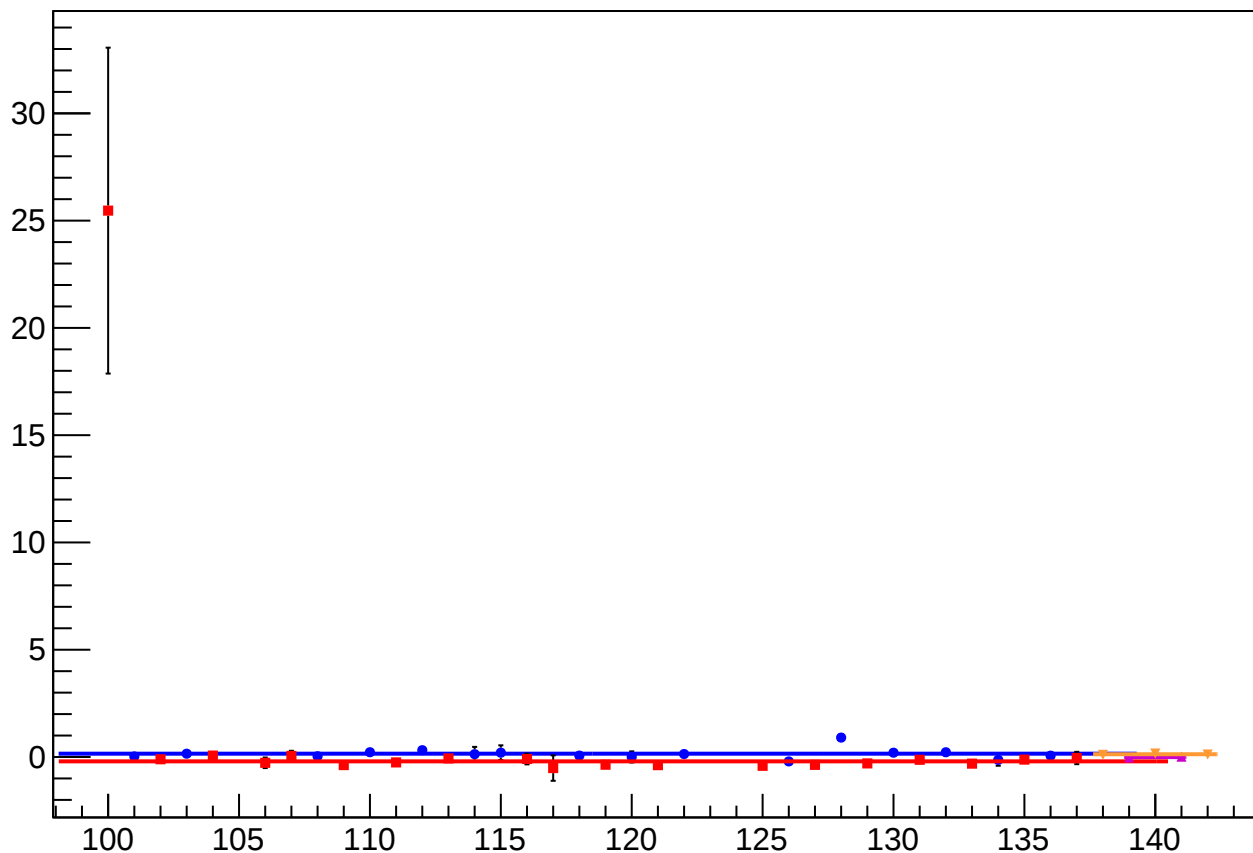
Left In: 0.010 $\pm$ 0.060 χ^2 /NDF: 0.4/1

0.019 $\pm$ 0.021 χ^2 /NDF: 27.2/18

-0.003 $\pm$ 0.015 χ^2 /NDF: 63.6/39

-0.028 $\pm$ 0.023 χ^2 /NDF: 34.1/20

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 ± 0.043 χ^2/NDF : 27.9/15

Left Out: 0.129 ± 0.056 χ^2/NDF : 0.3/2

Right Out: -0.203 ± 0.045 χ^2/NDF : 22.9/18

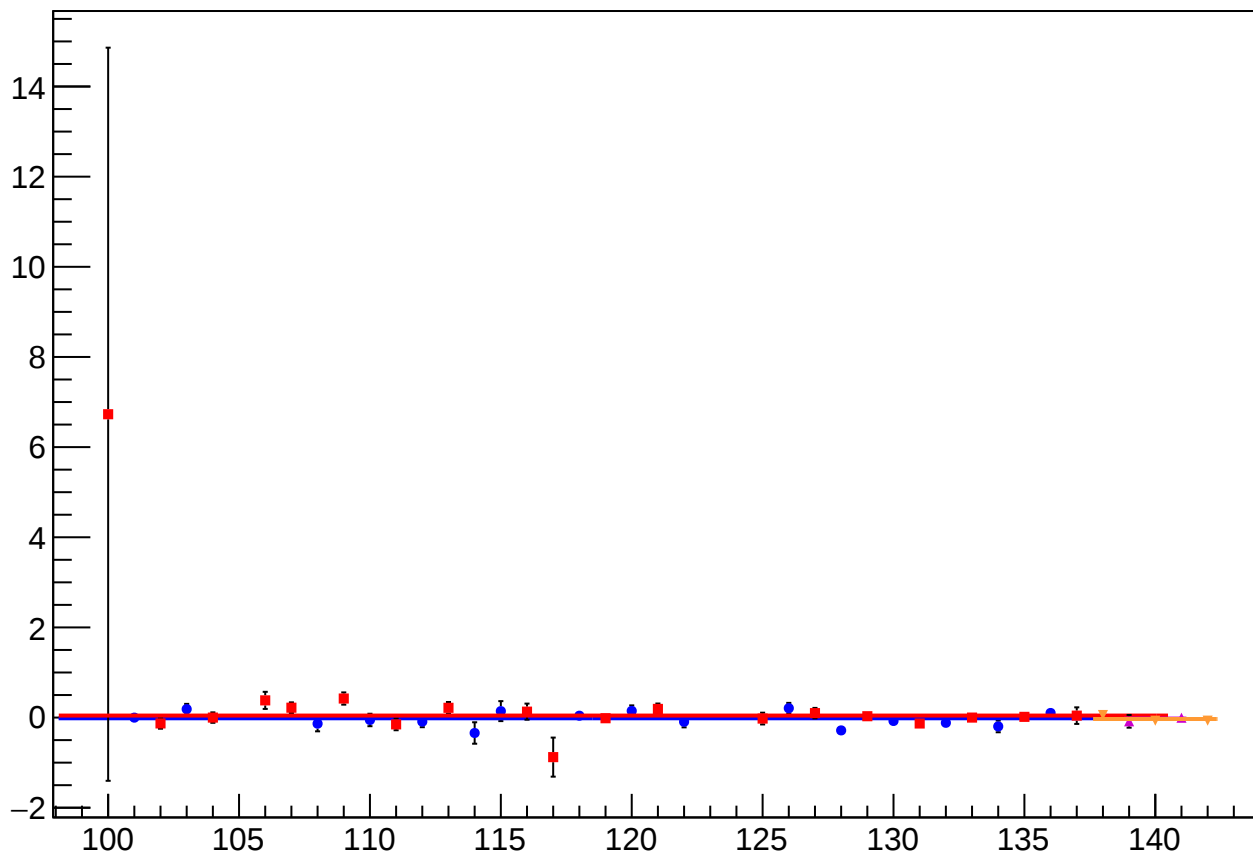
Left In: -0.005 ± 0.065 χ^2/NDF : 0.1/1

0.145 ± 0.034 χ^2/NDF : 28.3/18

0.014 ± 0.025 χ^2/NDF : 89.4/39

-0.139 ± 0.037 χ^2/NDF : 29.2/20

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

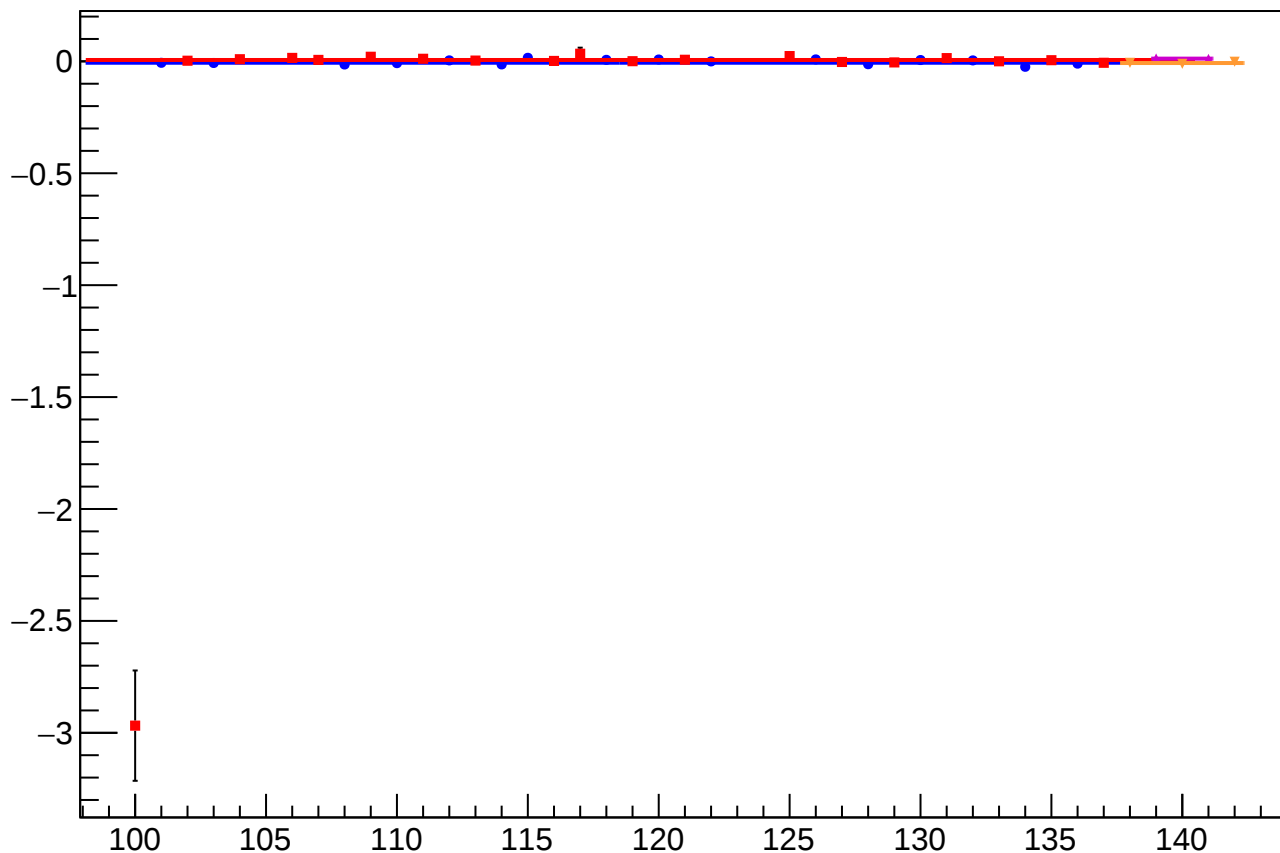
Left In: -0.022 ± 0.069 χ^2/NDF : 0.2/1

-0.019 ± 0.024 χ^2/NDF : 25.6/18

0.005 ± 0.018 χ^2/NDF : 59.4/39

0.035 ± 0.026 χ^2/NDF : 31.5/20

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

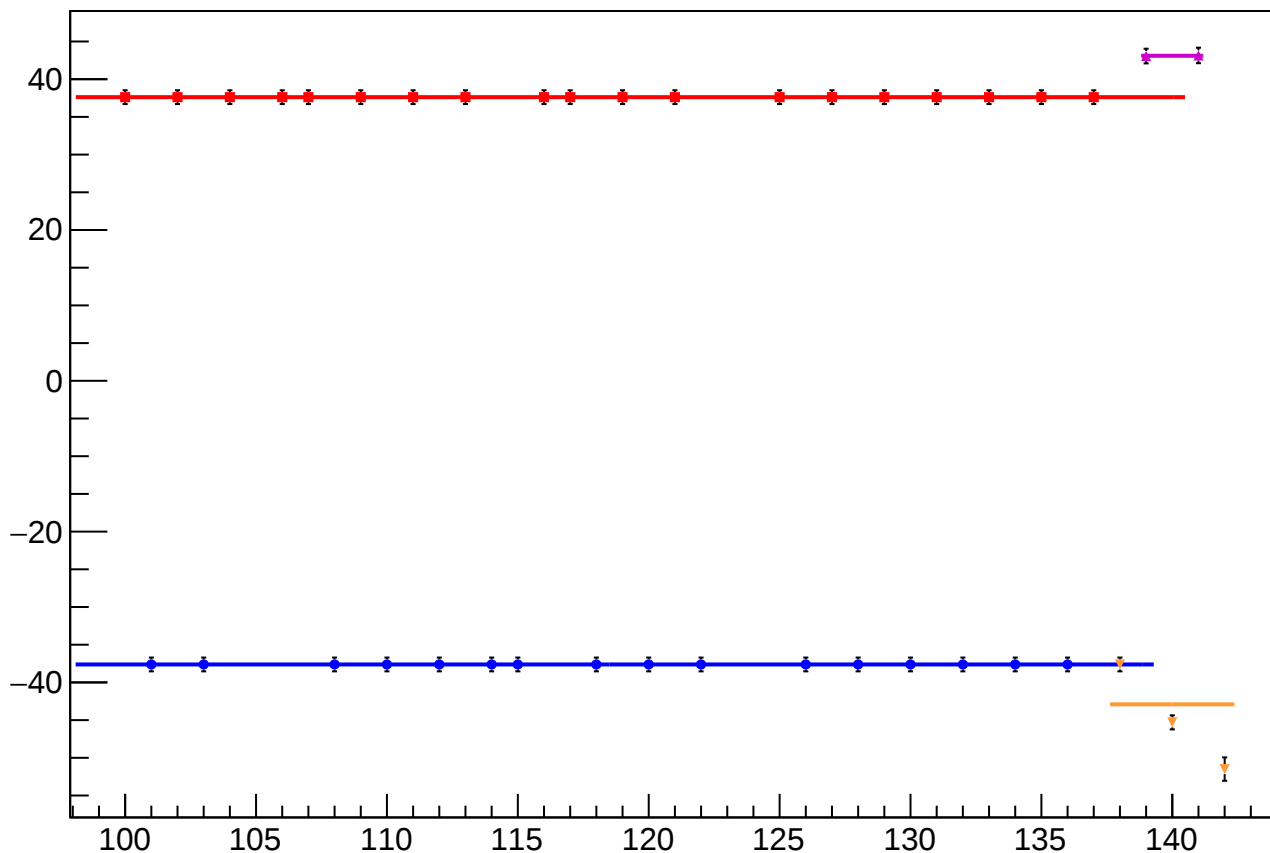
Left In: 0.012 ± 0.002 χ^2/NDF : 0.1/1

-0.007 ± 0.001 χ^2/NDF : 29.6/18

0.000 ± 0.001 χ^2/NDF : 267.2/39

0.008 ± 0.001 χ^2/NDF : 171.7/20

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

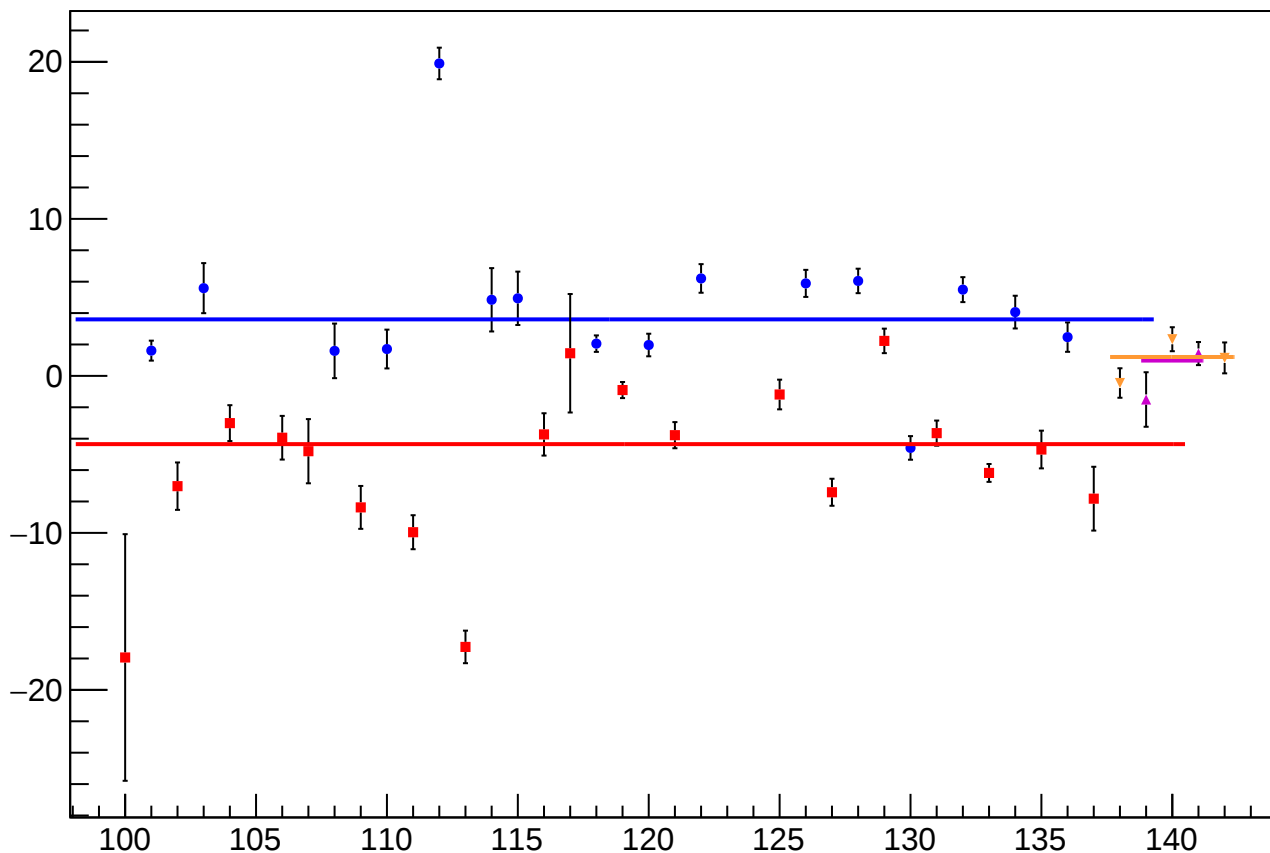
Left In: 43.108 $\pm$ 0.708 χ^2 /NDF: 0.0/1

-38.287 $\pm$ 0.214 χ^2 /NDF: 137.8/18

2.202 $\pm$ 0.147 χ^2 /NDF: 67602.6/39

38.063 $\pm$ 0.202 χ^2 /NDF: 55.3/20

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

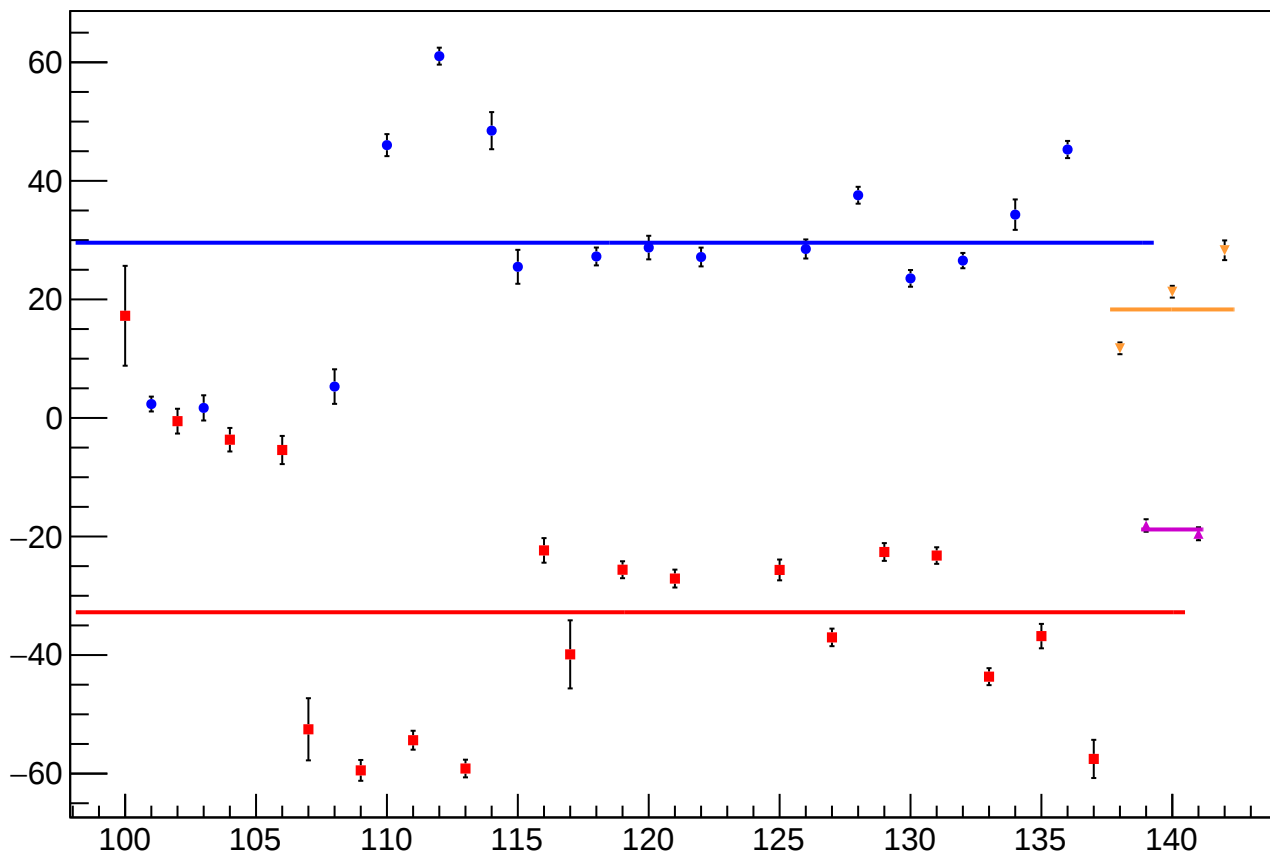
Left In: 0.976 ± 0.677 χ^2/NDF : 2.4/1

3.219 ± 0.202 χ^2/NDF : 467.5/18

-0.116 ± 0.147 χ^2/NDF : 1455.6/39

-3.820 ± 0.213 χ^2/NDF : 413.5/20

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564+/-0.420 χ^2/NDF : 1494.6/15

Left Out: 18.305+/-0.647 χ^2/NDF : 88.7/2

Right Out: -32.780+/-0.422 χ^2/NDF : 1664.8/18

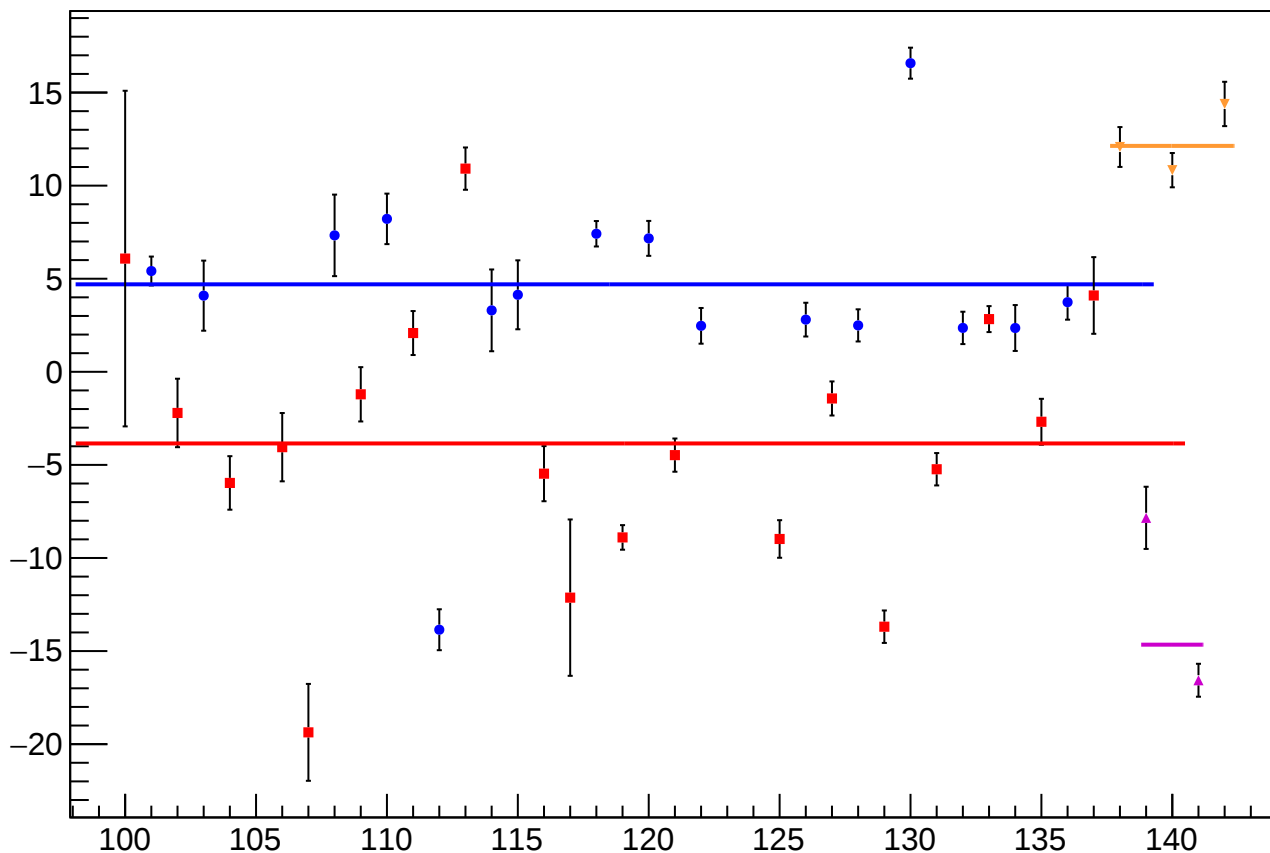
Left In: -18.813+/-0.761 χ^2/NDF : 0.8/1

26.232+/-0.352 χ^2/NDF : 1796.4/18

-0.341+/-0.255 χ^2/NDF : 15669.9/39

-29.497+/-0.369 χ^2/NDF : 1923.6/20

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 $\pm$ 0.254 χ^2/NDF : 548.9/15

Left Out: 12.135 $\pm$ 0.602 χ^2/NDF : 5.6/2

Right Out: -3.848 $\pm$ 0.258 χ^2/NDF : 571.5/18

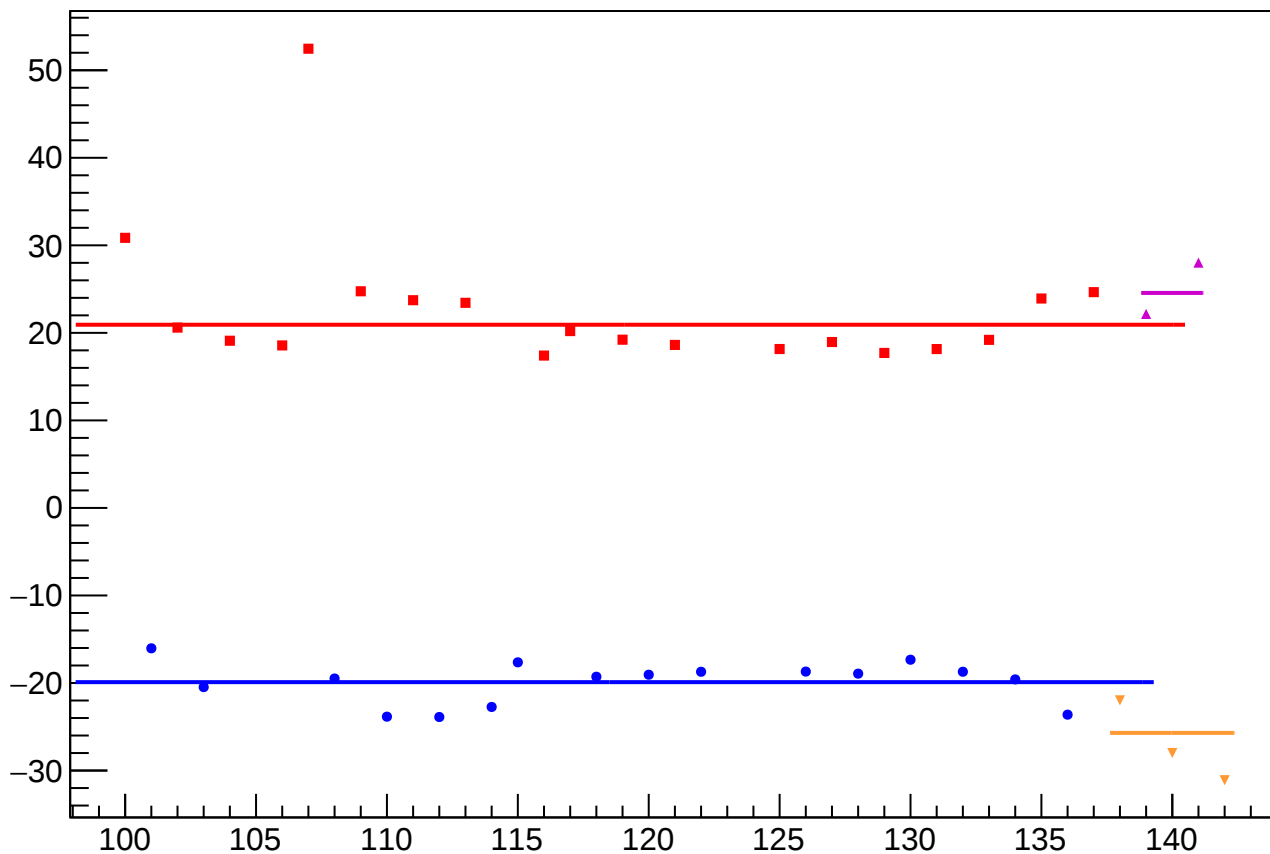
Left In: -14.656 $\pm$ 0.782 χ^2/NDF : 21.3/1

5.822 $\pm$ 0.234 χ^2/NDF : 683.9/18

0.700 $\pm$ 0.169 χ^2/NDF : 2452.3/39

-4.909 $\pm$ 0.245 χ^2/NDF : 765.2/20

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902+/-0.016 χ^2/NDF : 26054.0/15

Left Out: -25.700+/-0.027 χ^2/NDF :18412.0/2

Right Out: 20.928+/-0.016 χ^2/NDF : 94015.9/18

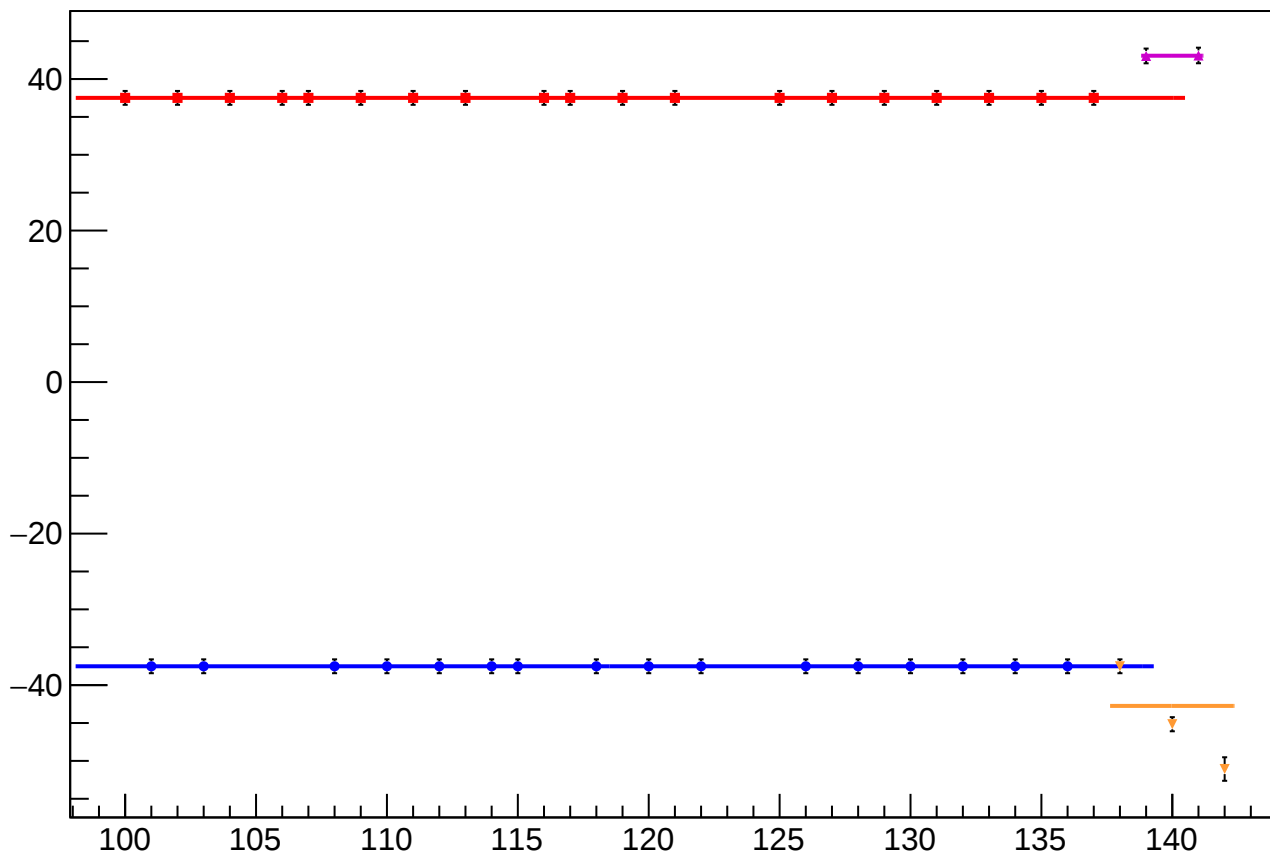
Left In: 24.562+/-0.028 χ^2/NDF :10328.7/1

-21.390+/-0.013 χ^2/NDF : 79701.6/18

-0.179+/-0.010 χ^2/NDF : 5227505.6/39

21.781+/-0.014 χ^2/NDF : 116924.1/20

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -37.512 ± 0.229 χ^2/NDF : 0.0/15

Left Out: -42.742 ± 0.602 χ^2/NDF : 68.1/2

Right Out: 37.512 ± 0.210 χ^2/NDF : 0.0/18

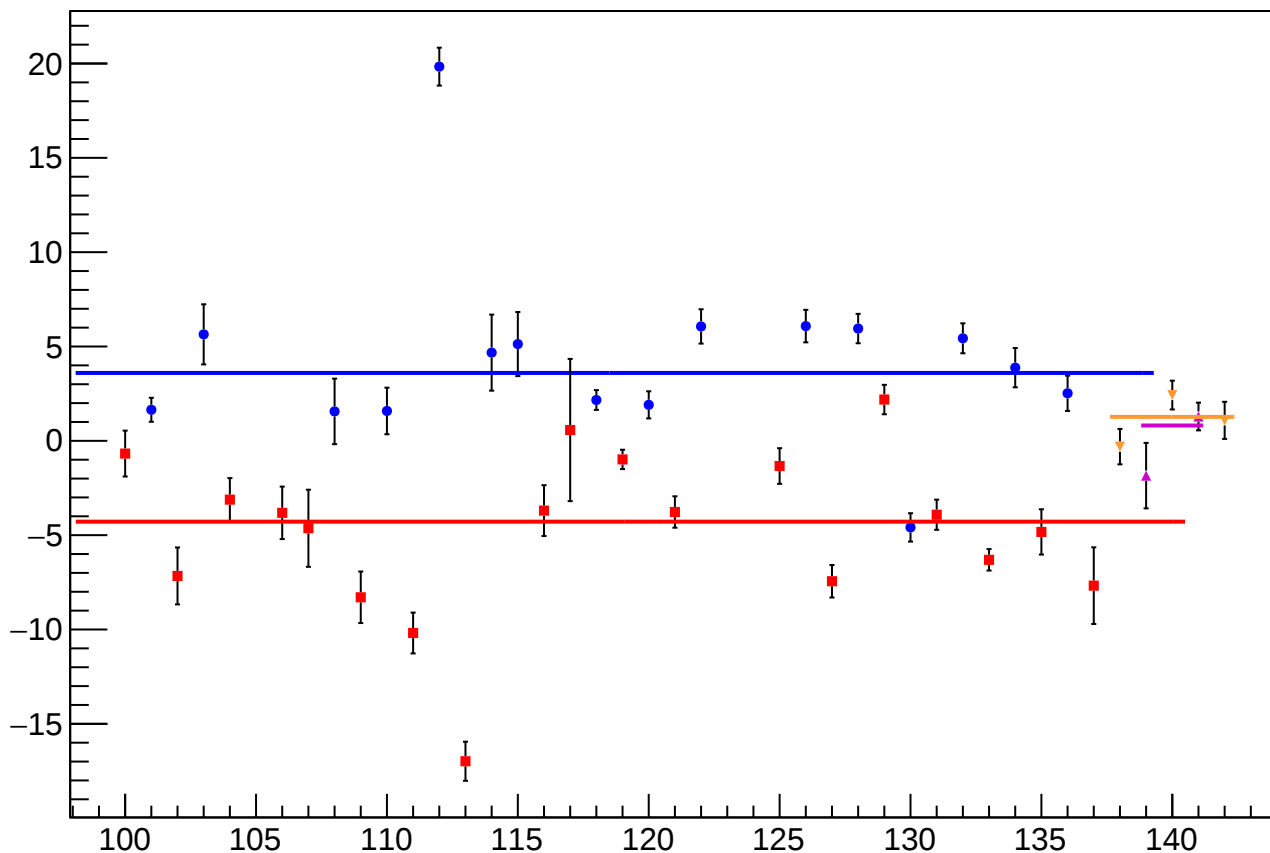
Left In: 43.076 ± 0.707 χ^2/NDF : 0.0/1

-38.173 ± 0.214 χ^2/NDF : 134.0/18

2.203 ± 0.147 χ^2/NDF : 67294.7/39

37.963 ± 0.201 χ^2/NDF : 56.8/20

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.270 ± 0.507 χ^2/NDF : 5.2/2

Right Out: -4.284 ± 0.221 χ^2/NDF : 353.8/18

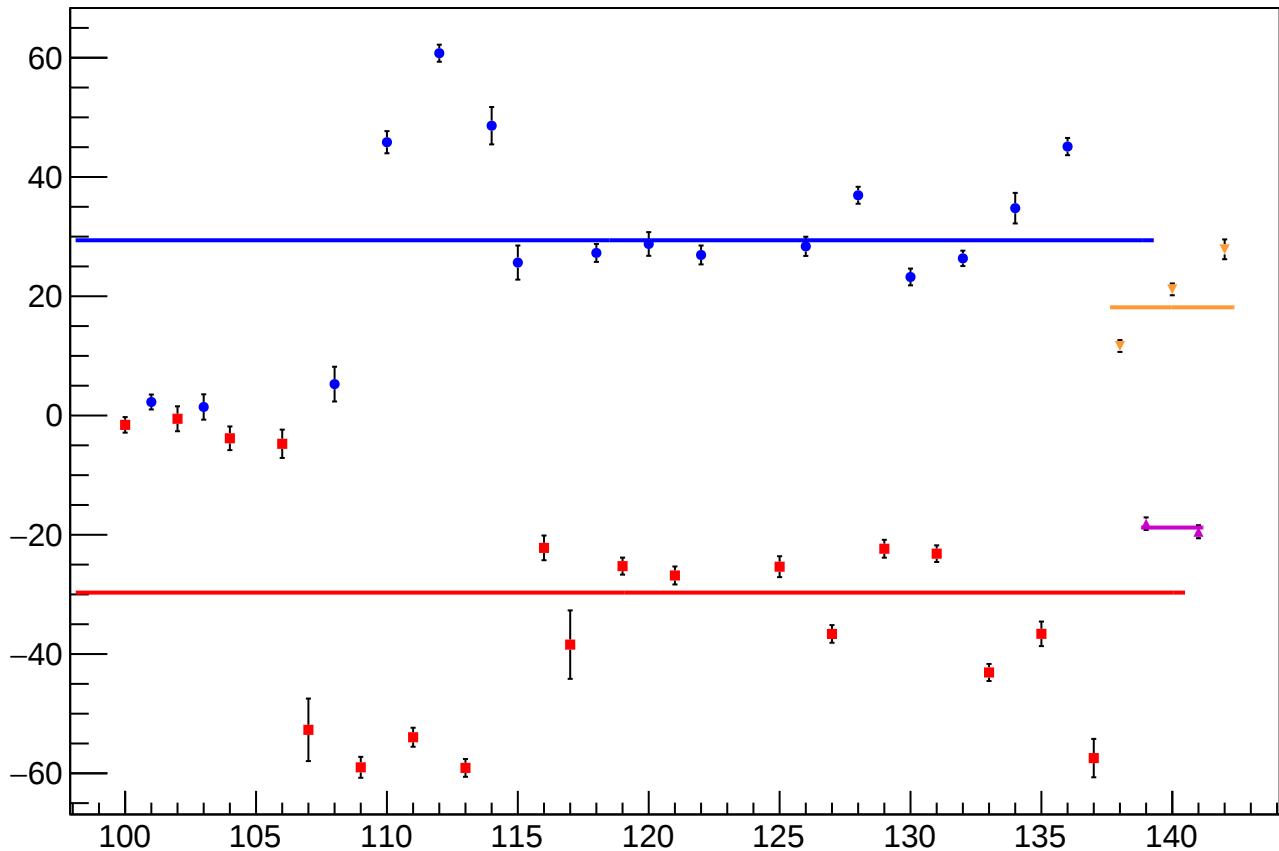
Left In: 0.813 ± 0.677 χ^2/NDF : 2.8/1

3.230 ± 0.202 χ^2/NDF : 463.1/18

-0.150 ± 0.145 χ^2/NDF : 1452.9/39

-3.794 ± 0.210 χ^2/NDF : 407.8/20

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

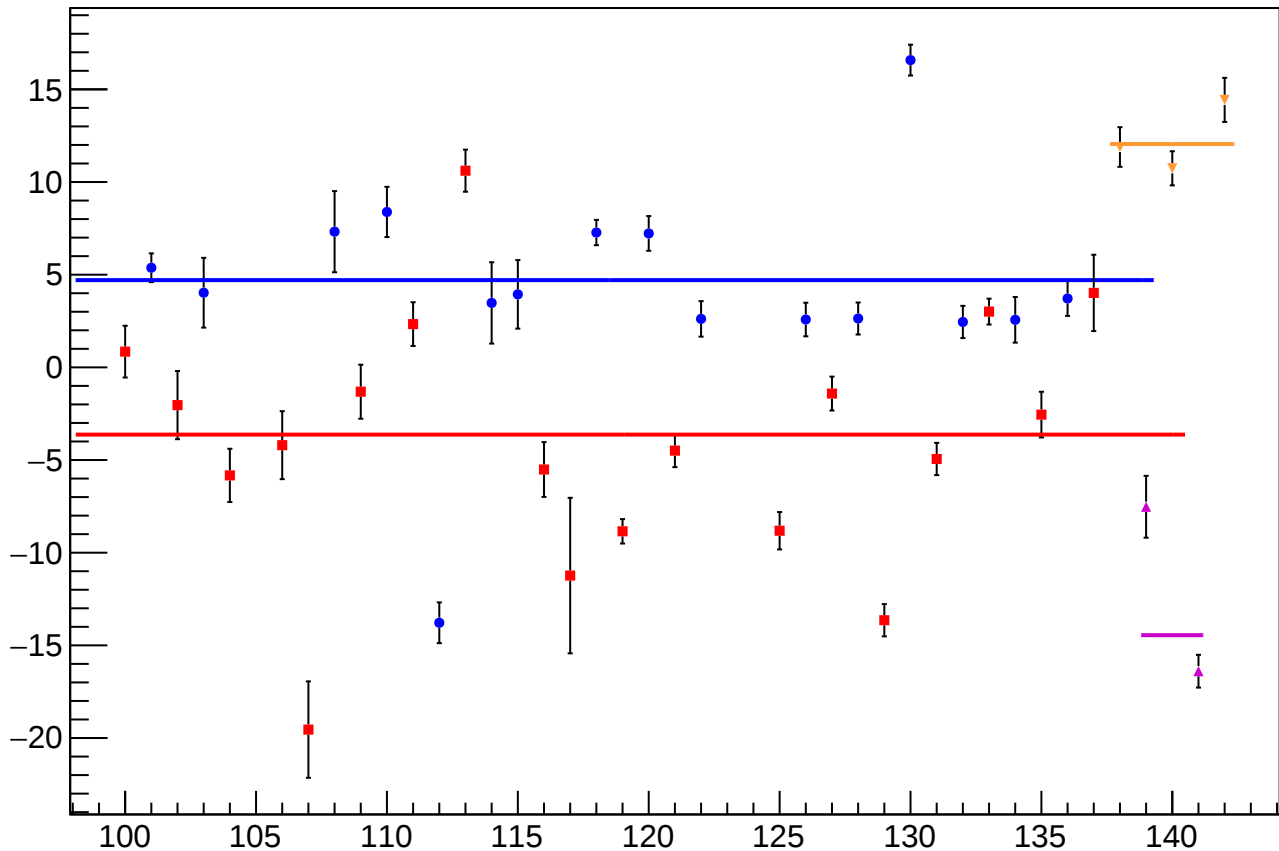
Left In: -18.789 $\pm$ 0.760 χ^2 /NDF: 0.8/1

26.061 $\pm$ 0.352 χ^2 /NDF: 1787.4/18

-0.393 $\pm$ 0.250 χ^2 /NDF: 15491.3/39

-27.317 $\pm$ 0.355 χ^2 /NDF: 2295.1/20

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 12.049 ± 0.602 $\chi^2/\text{NDF}: 6.0/2$

Right Out: -3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

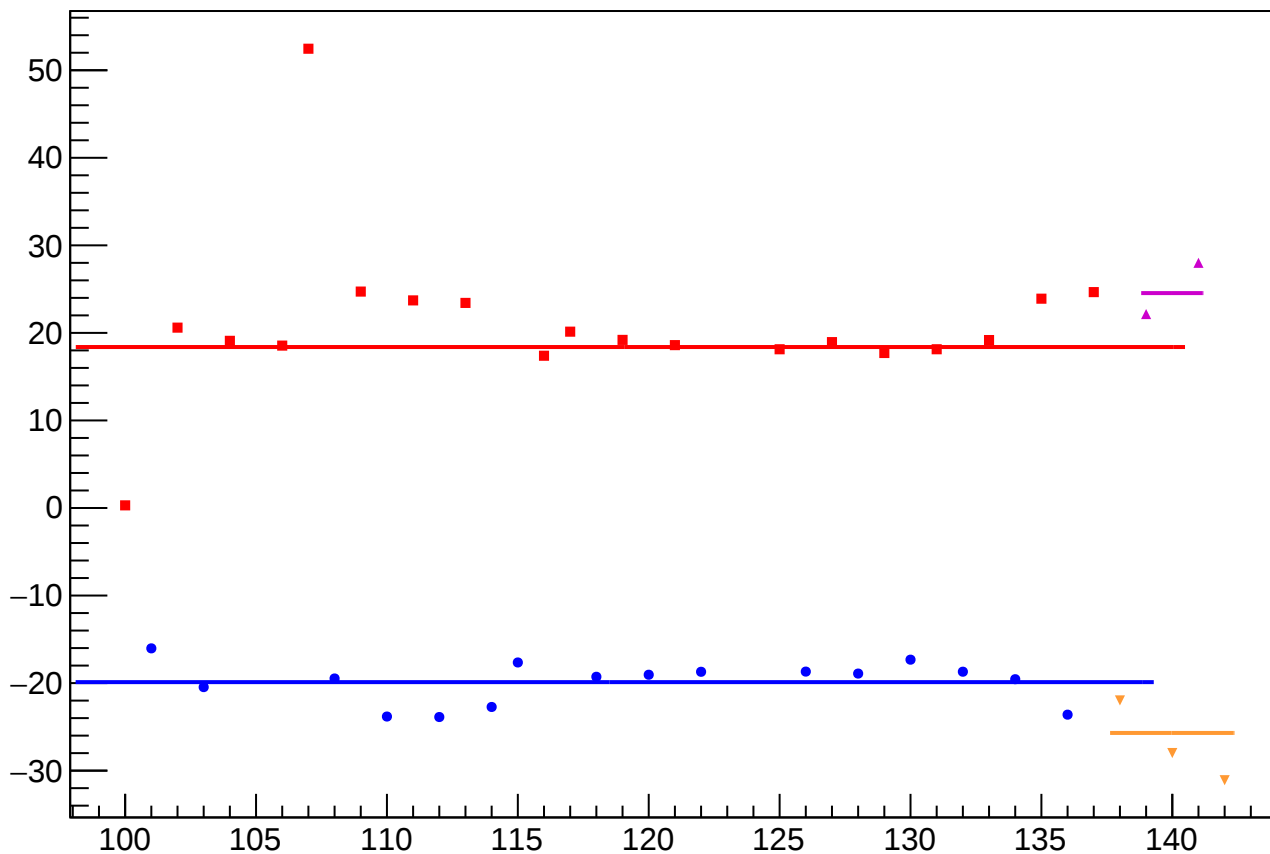
Left In: -14.451 ± 0.781 $\chi^2/\text{NDF}: 22.1/1$

5.815 ± 0.234 $\chi^2/\text{NDF}: 677.5/18$

0.738 ± 0.168 $\chi^2/\text{NDF}: 2422.1/39$

-4.661 ± 0.241 $\chi^2/\text{NDF}: 772.5/20$

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

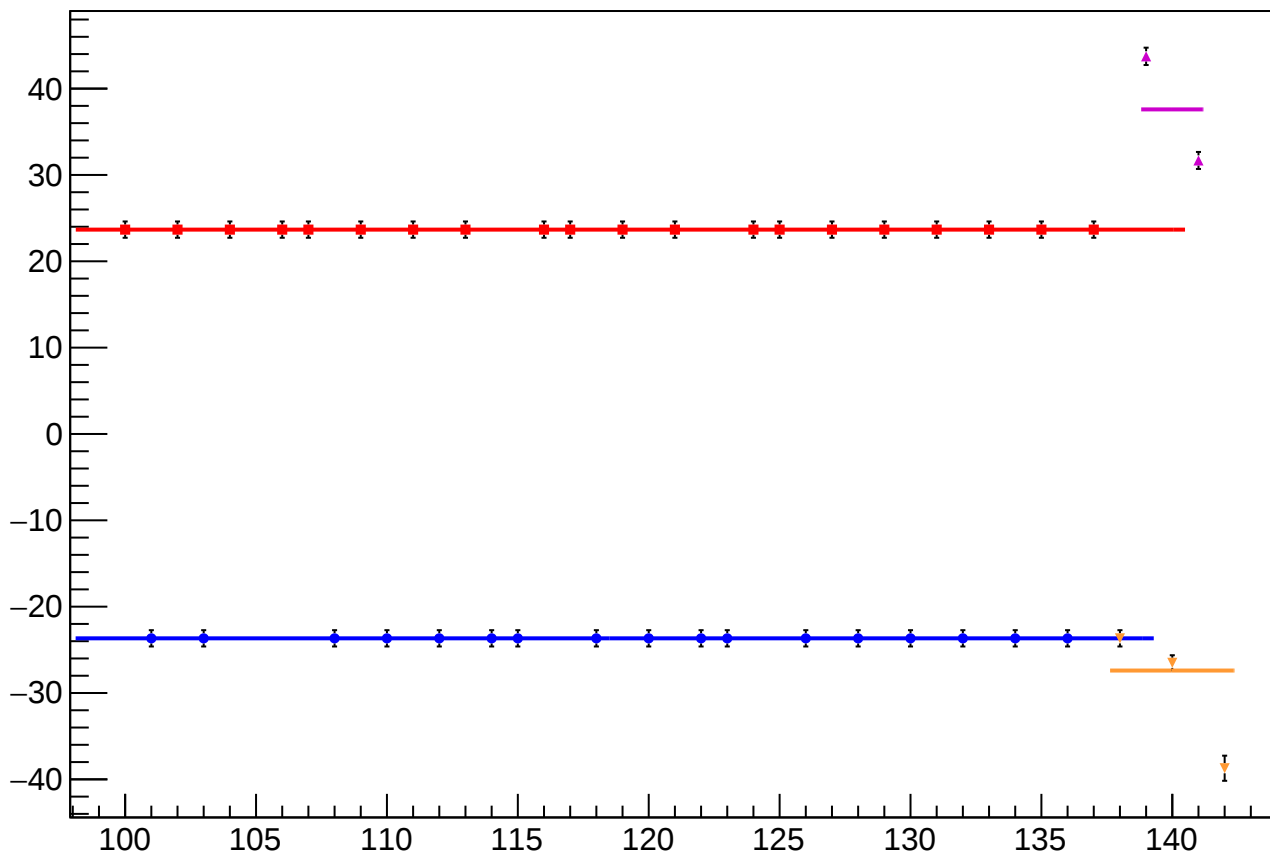
Left In: 24.546+/-0.028 χ^2/NDF :10328.7/1

-21.380+/-0.013 χ^2/NDF : 79783.1/18

-0.192+/-0.009 χ^2/NDF : 5215740.3/39

19.697+/-0.013 χ^2/NDF : 348623.7/20

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.668 ± 0.229 χ^2/NDF : 0.0/16

Left Out: -27.398 ± 0.588 χ^2/NDF : 77.1/2

Right Out: 23.668 ± 0.211 χ^2/NDF : 0.0/19

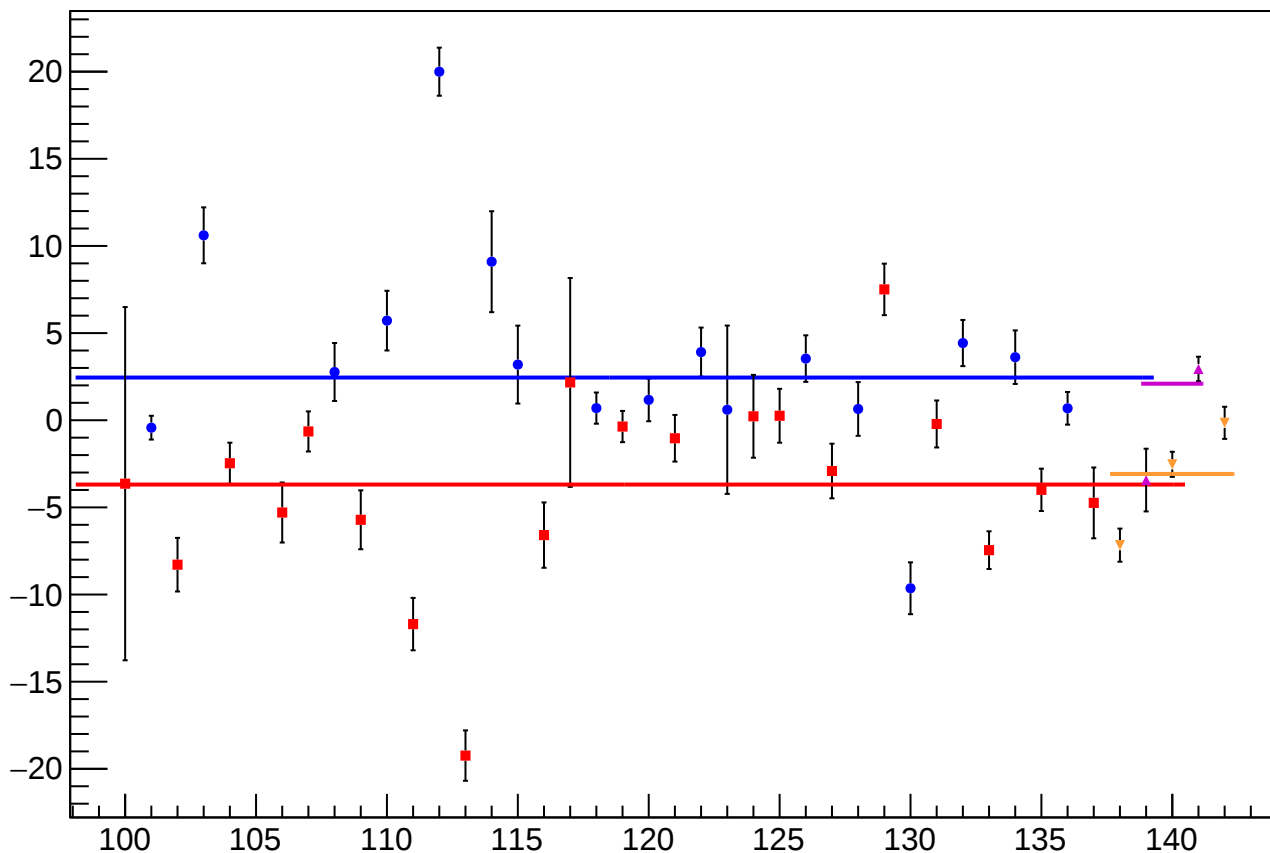
Left In: 37.592 ± 0.703 χ^2/NDF : 73.4/1

-24.159 ± 0.213 χ^2/NDF : 112.0/19

1.647 ± 0.147 χ^2/NDF : 28291.1/41

24.819 ± 0.202 χ^2/NDF : 432.9/21

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

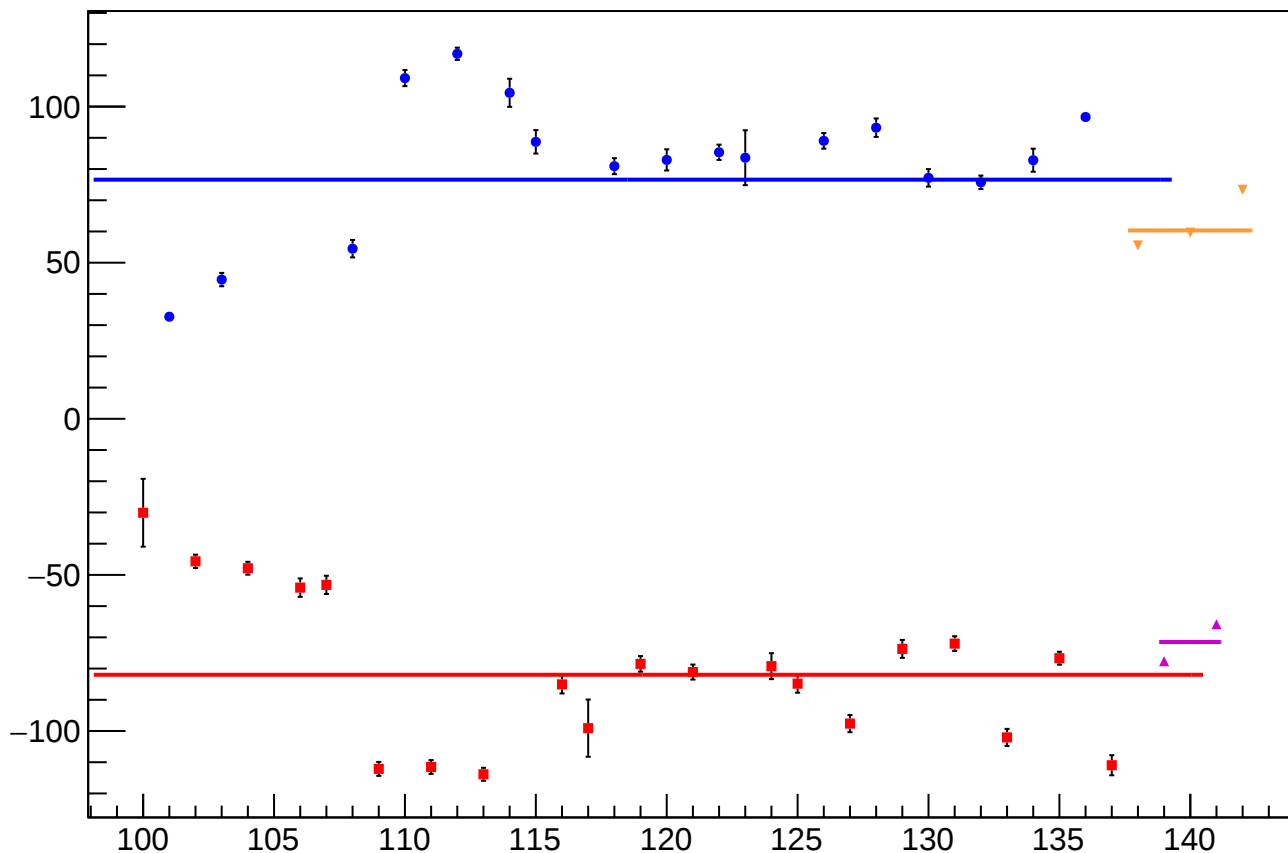


0.823 ± 0.264 $\chi^2/\text{NDF}: 415.5/19$

-0.693 ± 0.196 $\chi^2/\text{NDF}: 832.4/41$

-2.542 ± 0.292 $\chi^2/\text{NDF}: 343.8/21$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 60.328 $\pm$ 0.631 χ^2 /NDF: 92.1/2

Right Out: -81.987 $\pm$ 0.591 χ^2 /NDF: 1574.2/19

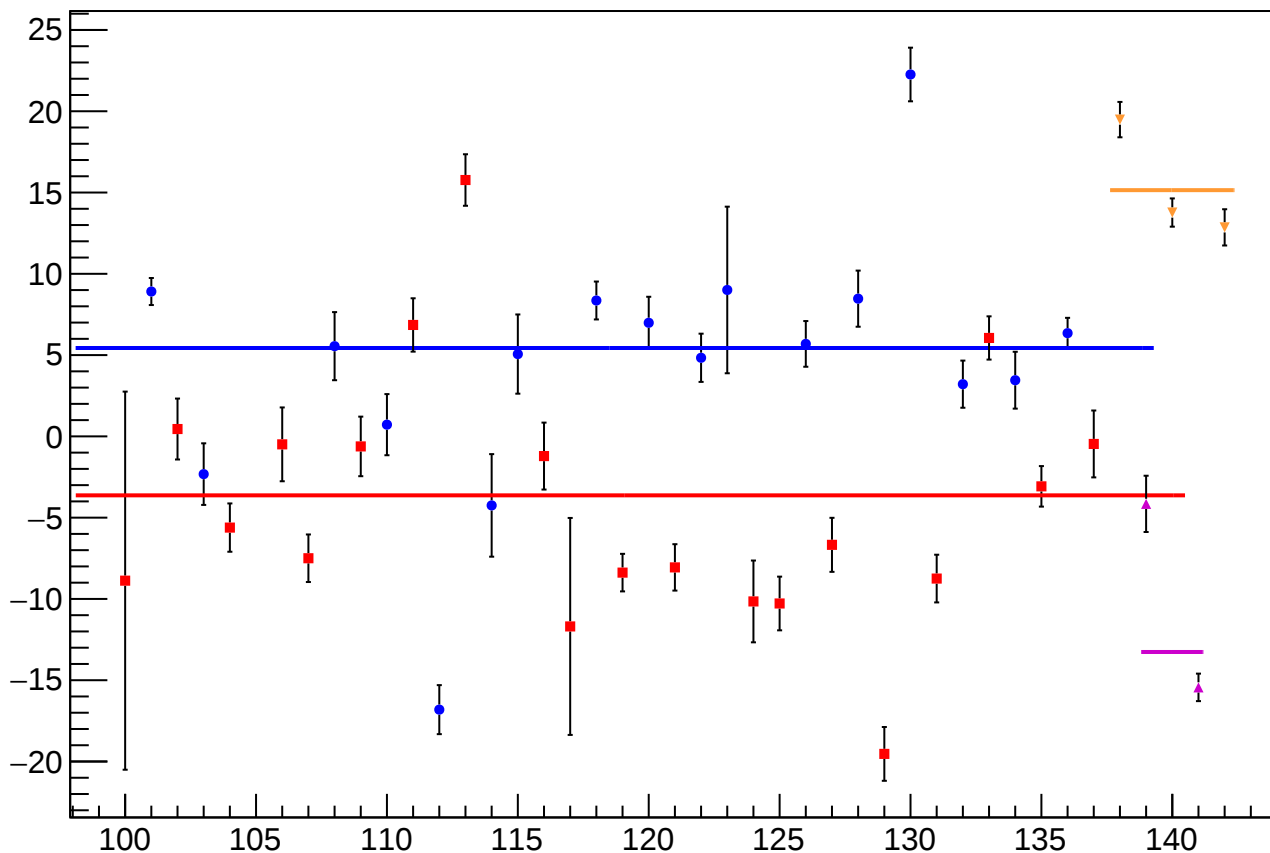
Left In: -71.489 $\pm$ 0.755 χ^2 /NDF: 61.5/1

69.206 $\pm$ 0.426 χ^2 /NDF: 2709.6/19

2.155 $\pm$ 0.314 χ^2 /NDF: 58978.5/41

-77.998 $\pm$ 0.465 χ^2 /NDF: 1755.7/21

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

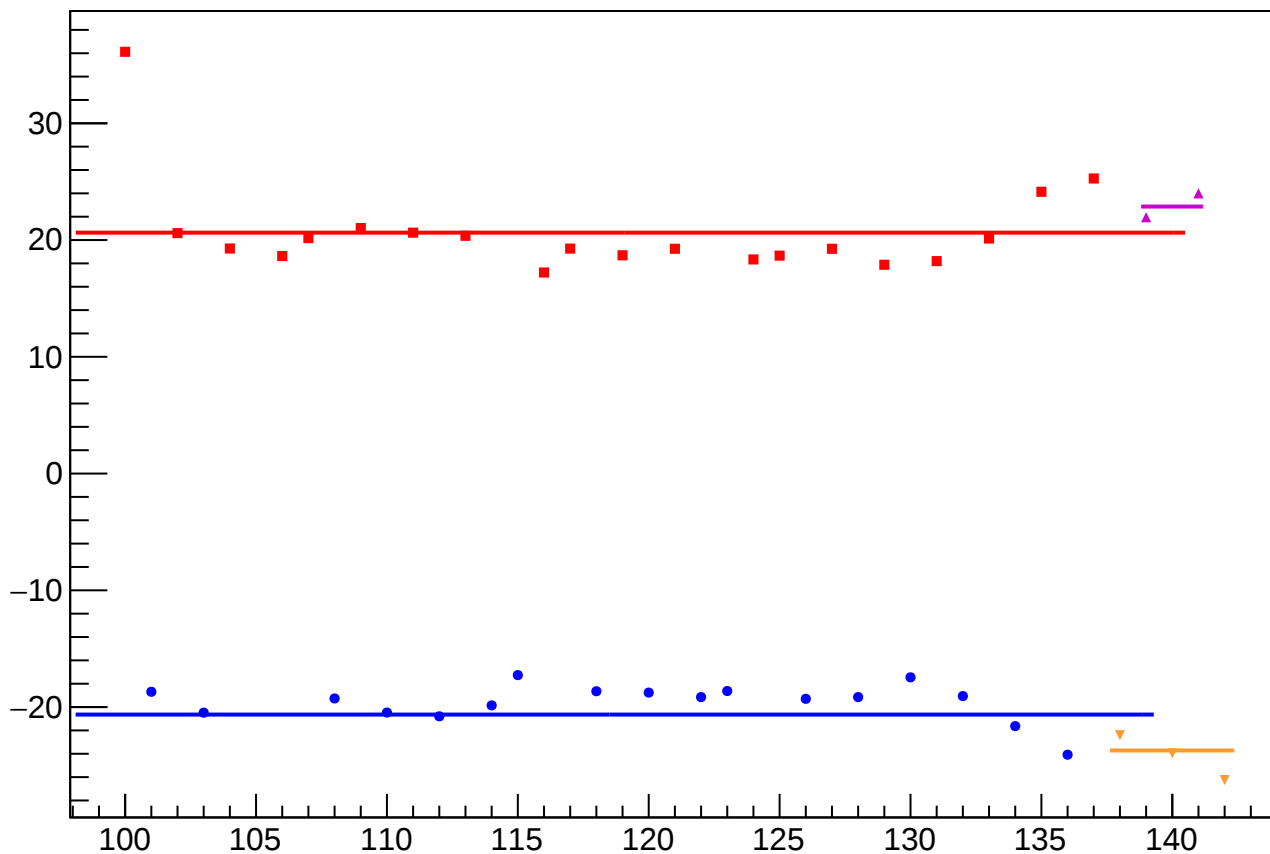
Left In: -13.263 $\pm$ 0.760 χ^2 /NDF: 34.3/1

8.141 $\pm$ 0.306 χ^2 /NDF: 612.2/19

1.948 $\pm$ 0.226 χ^2 /NDF: 2103.2/41

-5.510 $\pm$ 0.336 χ^2 /NDF: 588.5/21

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -23.716 ± 0.026 χ^2/NDF : 2728.8/2

Right Out: 20.635 ± 0.019 χ^2/NDF : 13794.0/19

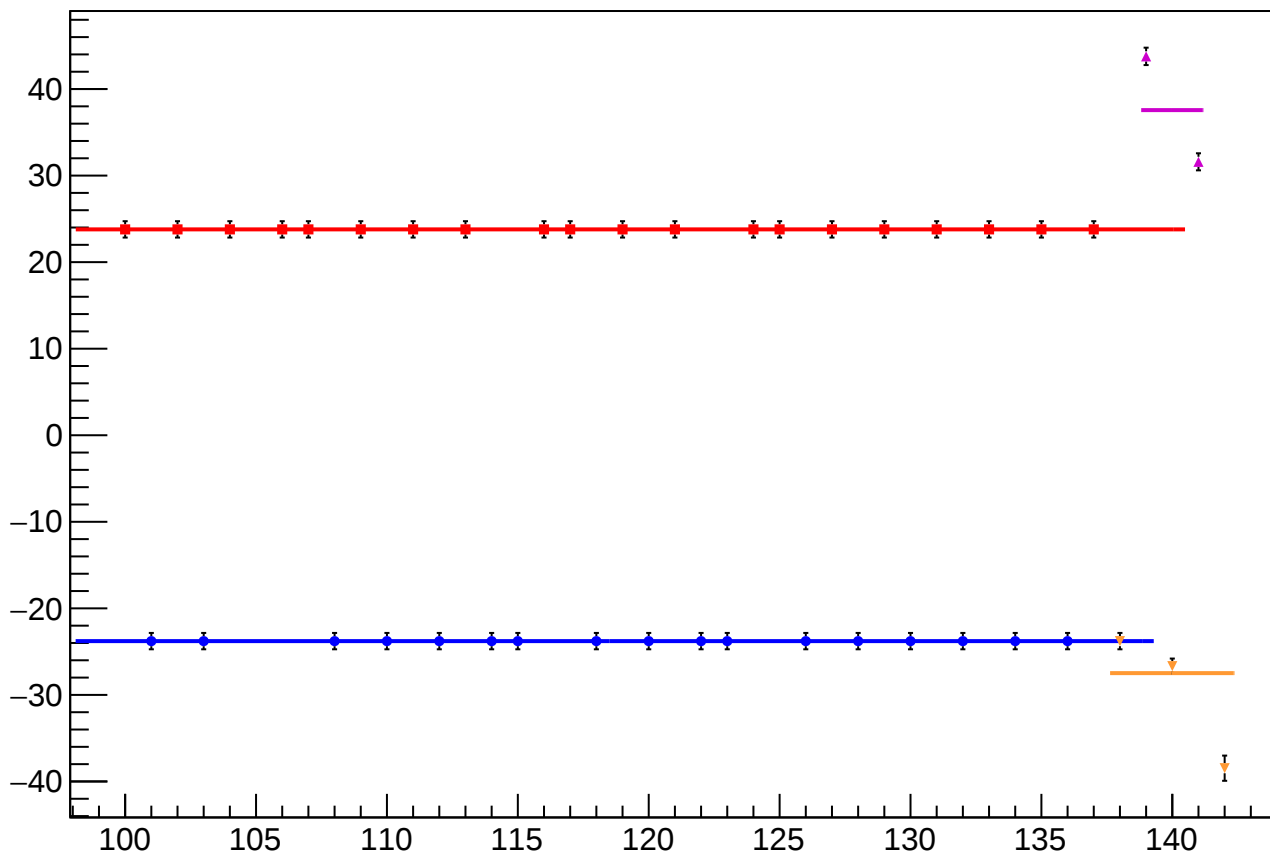
Left In: 22.870 ± 0.028 χ^2/NDF : 1284.7/1

-21.730 ± 0.016 χ^2/NDF : 24111.0/19

-0.864 ± 0.011 χ^2/NDF : 3765538.3/41

21.349 ± 0.016 χ^2/NDF : 19302.6/21

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.785 ± 0.229 χ^2/NDF : 0.0/16

Left Out: -27.483 ± 0.589 χ^2/NDF : 73.1/2

Right Out: 23.785 ± 0.211 χ^2/NDF : 0.0/19

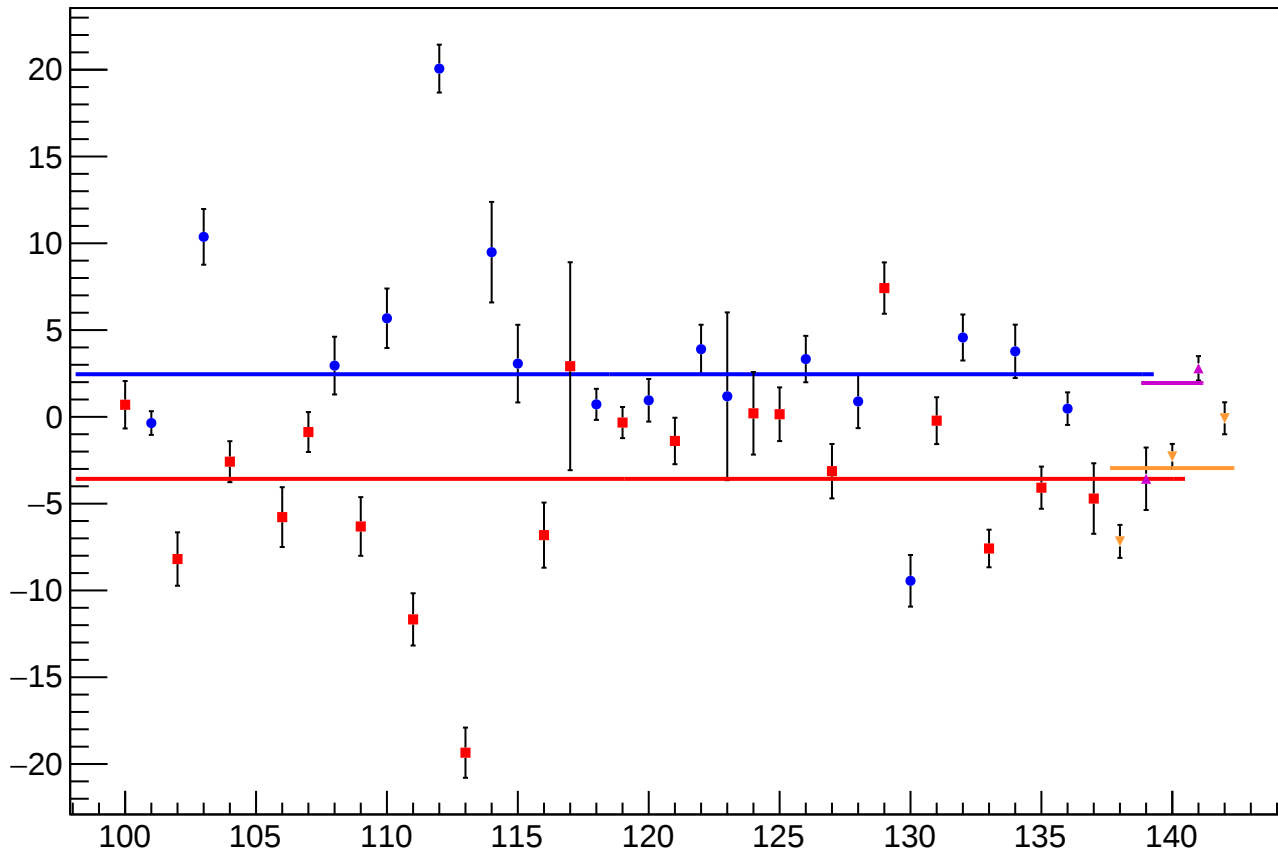
Left In: 37.565 ± 0.704 χ^2/NDF : 74.9/1

-24.272 ± 0.214 χ^2/NDF : 107.3/19

1.649 ± 0.147 χ^2/NDF : 28487.3/41

24.925 ± 0.202 χ^2/NDF : 426.5/21

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 $\chi^2/\text{NDF}: 293.5/16$

Left Out: -2.950 ± 0.488 $\chi^2/\text{NDF}: 30.3/2$

Right Out: -3.571 ± 0.317 $\chi^2/\text{NDF}: 281.0/19$

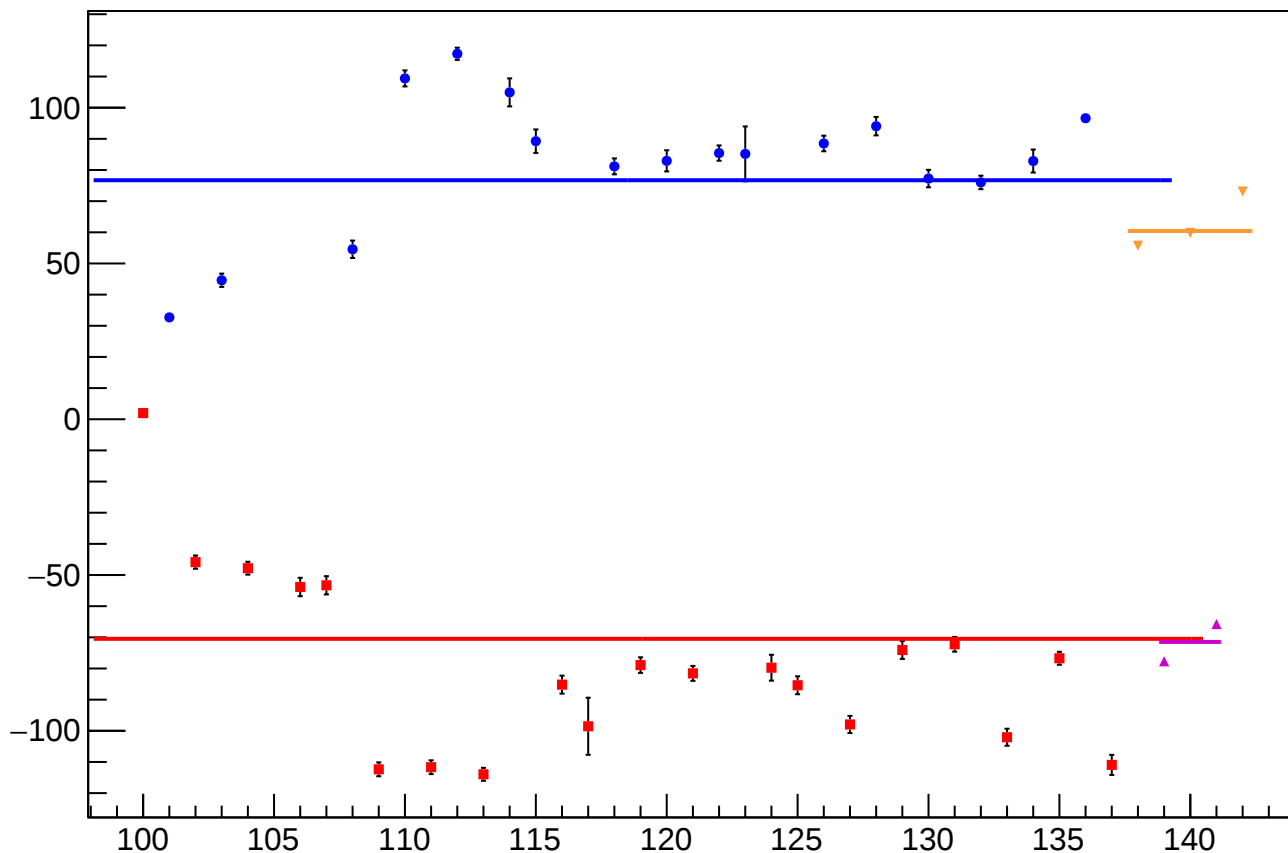
Left In: 1.952 ± 0.655 $\chi^2/\text{NDF}: 10.8/1$

0.866 ± 0.264 $\chi^2/\text{NDF}: 410.6/19$

-0.697 ± 0.194 $\chi^2/\text{NDF}: 835.8/41$

-2.523 ± 0.286 $\chi^2/\text{NDF}: 349.4/21$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2/NDF : 2266.6/16

Left Out: 60.423 $\pm$ 0.632 χ^2/NDF : 87.8/2

Right Out: -70.477 $\pm$ 0.549 χ^2/NDF : 4400.1/19

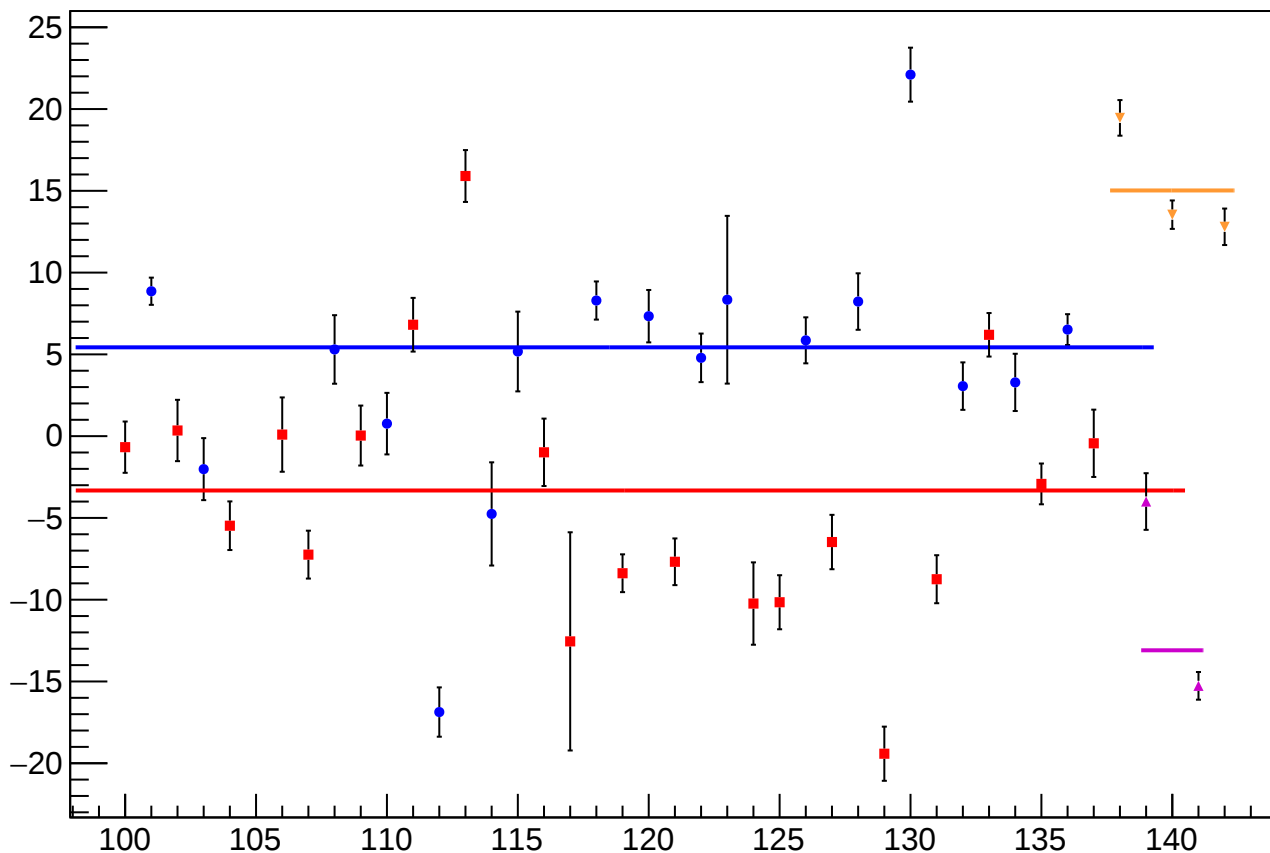
Left In: -71.478 $\pm$ 0.755 χ^2/NDF : 62.6/1

69.313 $\pm$ 0.426 χ^2/NDF : 2717.3/19

2.182 $\pm$ 0.307 χ^2/NDF : 59075.3/41

-70.823 $\pm$ 0.444 χ^2/NDF : 4463.8/21

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 $\pm$ 0.361 χ^2/NDF : 385.9/16

Left Out: 15.022 $\pm$ 0.580 χ^2/NDF : 23.5/2

Right Out: -3.323 $\pm$ 0.365 χ^2/NDF : 428.0/19

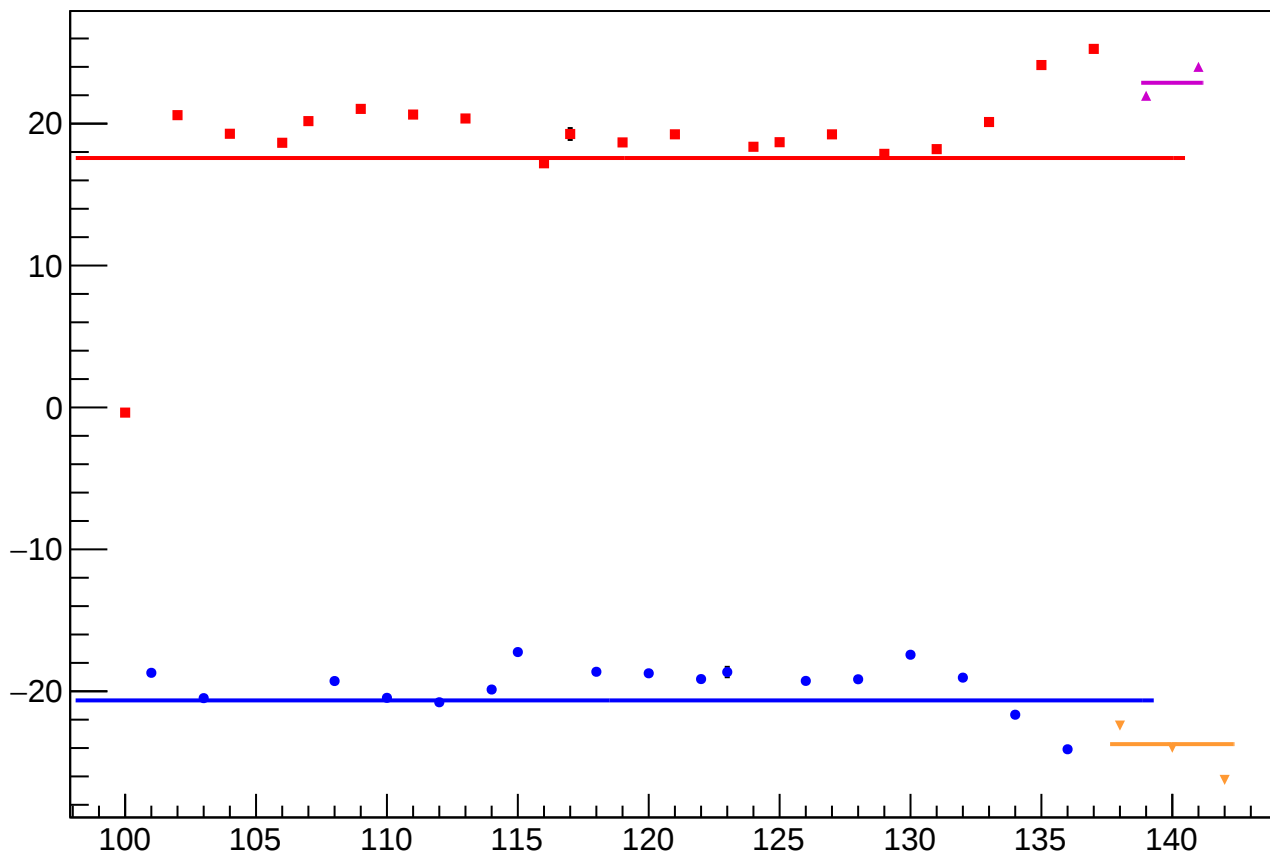
Left In: -13.094 $\pm$ 0.760 χ^2/NDF : 34.2/1

8.102 $\pm$ 0.306 χ^2/NDF : 606.5/19

1.946 $\pm$ 0.224 χ^2/NDF : 2072.9/41

-5.149 $\pm$ 0.329 χ^2/NDF : 596.5/21

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643 $\pm$ 0.019 χ^2 /NDF: 12468.6/16

Left Out: -23.725 $\pm$ 0.026 χ^2 /NDF: 2703.3/2

Right Out: 17.577 $\pm$ 0.018 χ^2 /NDF: 178343.3/19

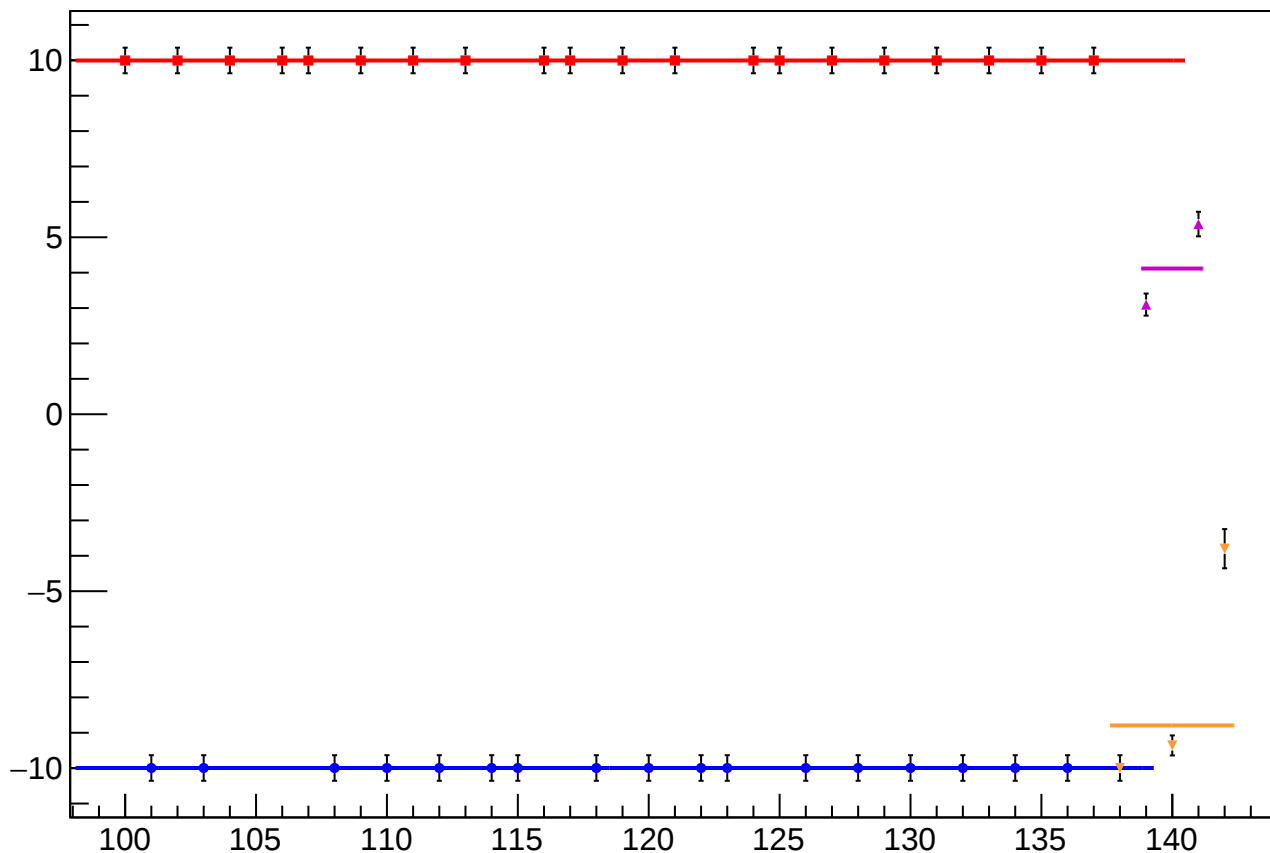
Left In: 22.879 $\pm$ 0.028 χ^2 /NDF: 1274.1/1

-21.734 $\pm$ 0.016 χ^2 /NDF: 24150.8/19

-0.871 $\pm$ 0.011 χ^2 /NDF: 3751757.4/41

19.099 $\pm$ 0.015 χ^2 /NDF: 204471.6/21

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

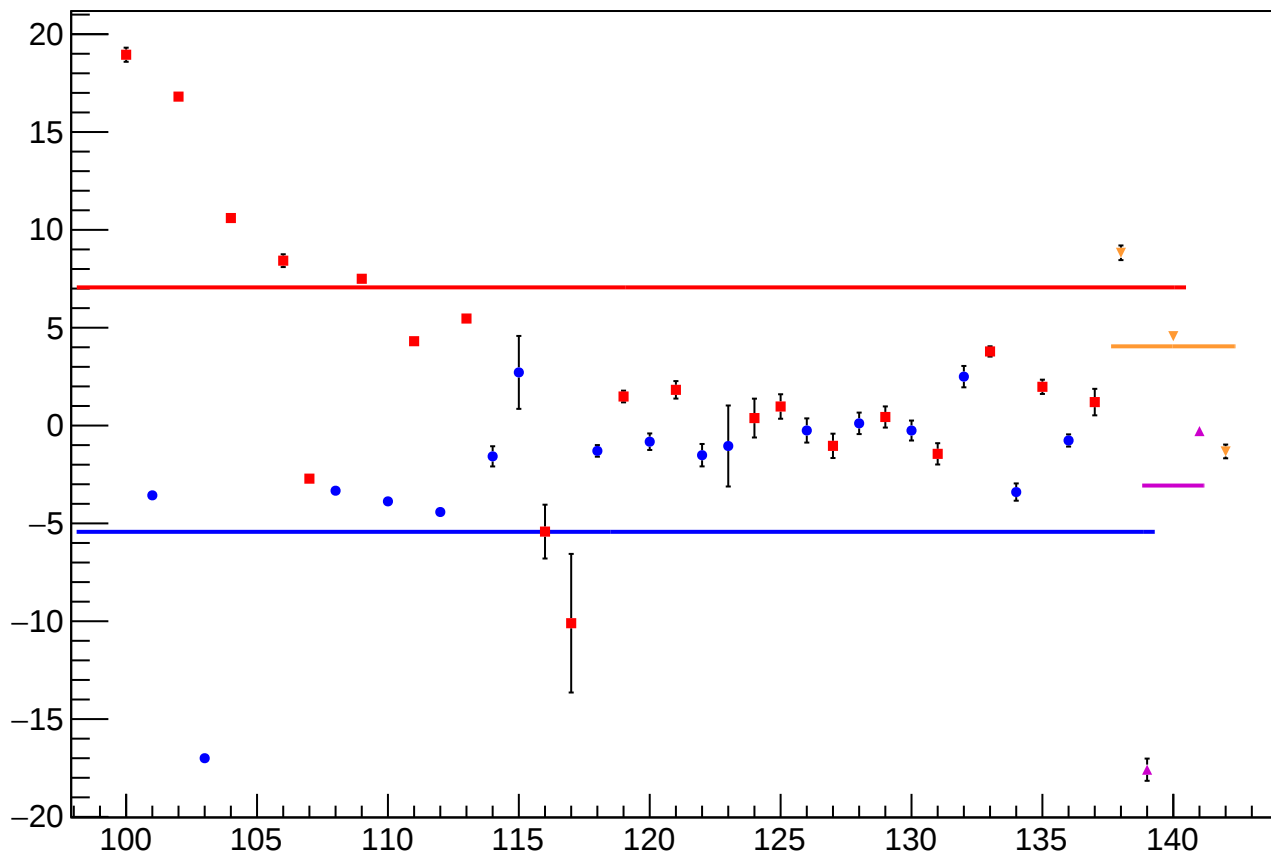
Left In: 4.116 ± 0.232 χ^2/NDF : 23.8/1

-9.812 ± 0.081 χ^2/NDF : 125.0/19

0.308 ± 0.055 χ^2/NDF : 30459.3/41

9.359 ± 0.076 χ^2/NDF : 595.8/21

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

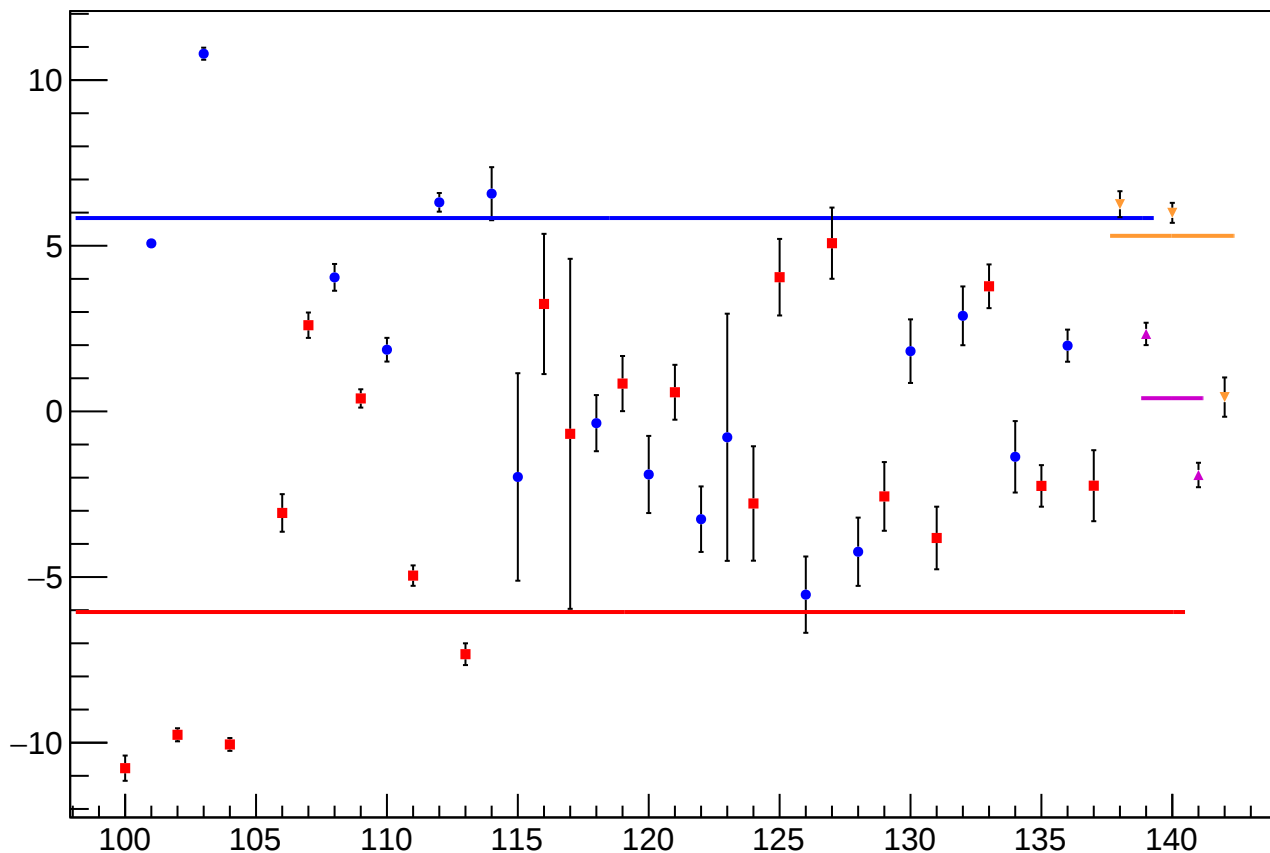
Left In: -3.066 ± 0.228 χ^2/NDF : 780.0/1

-4.566 ± 0.052 χ^2/NDF : 12356.9/19

0.445 ± 0.039 χ^2/NDF : 47452.2/41

6.423 ± 0.057 χ^2/NDF : 14965.2/21

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

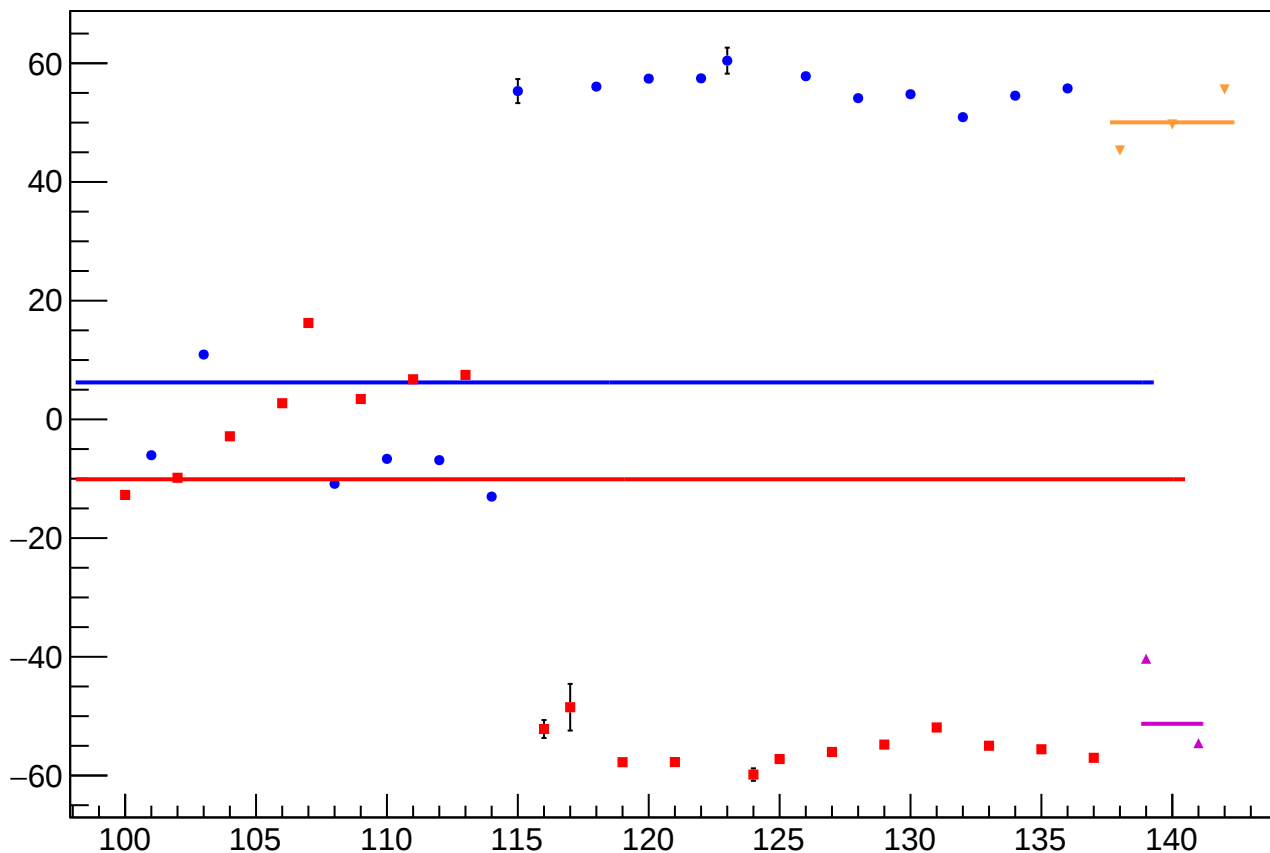
Left In: 0.399 $\pm$ 0.249 χ^2 /NDF: 72.5/1

5.761 $\pm$ 0.083 χ^2 /NDF: 1524.5/19

0.525 $\pm$ 0.060 χ^2 /NDF: 13208.5/41

-5.261 $\pm$ 0.087 χ^2 /NDF: 3331.6/21

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

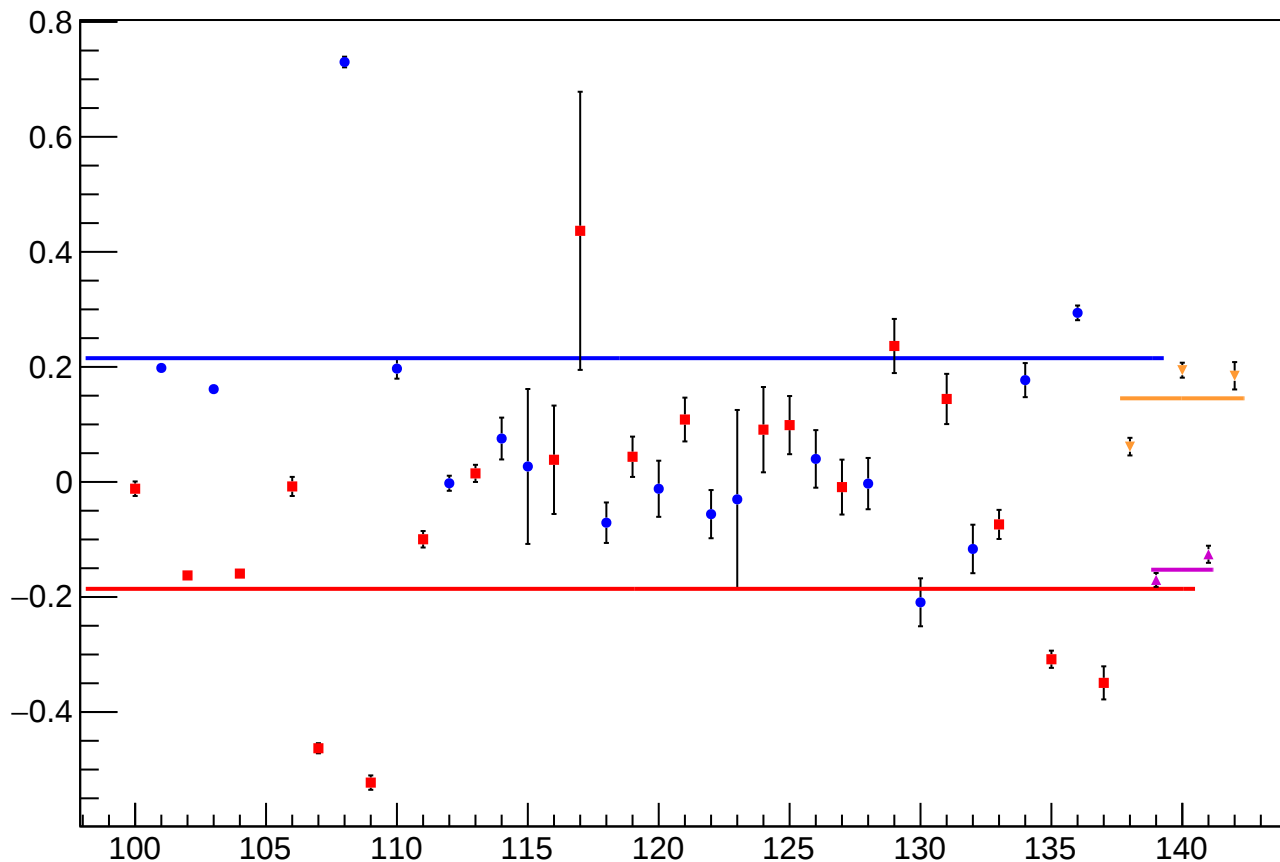
Left In: -51.285 ± 0.262 χ^2/NDF : 521.4/1

10.174 ± 0.062 χ^2/NDF : 162404.3/19

-0.337 ± 0.046 χ^2/NDF : 371356.8/41

-12.814 ± 0.067 χ^2/NDF : 145774.2/21

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.145 ± 0.009 χ^2/NDF : 46.9/2

Right Out: -0.186 ± 0.003 χ^2/NDF : 2724.7/19

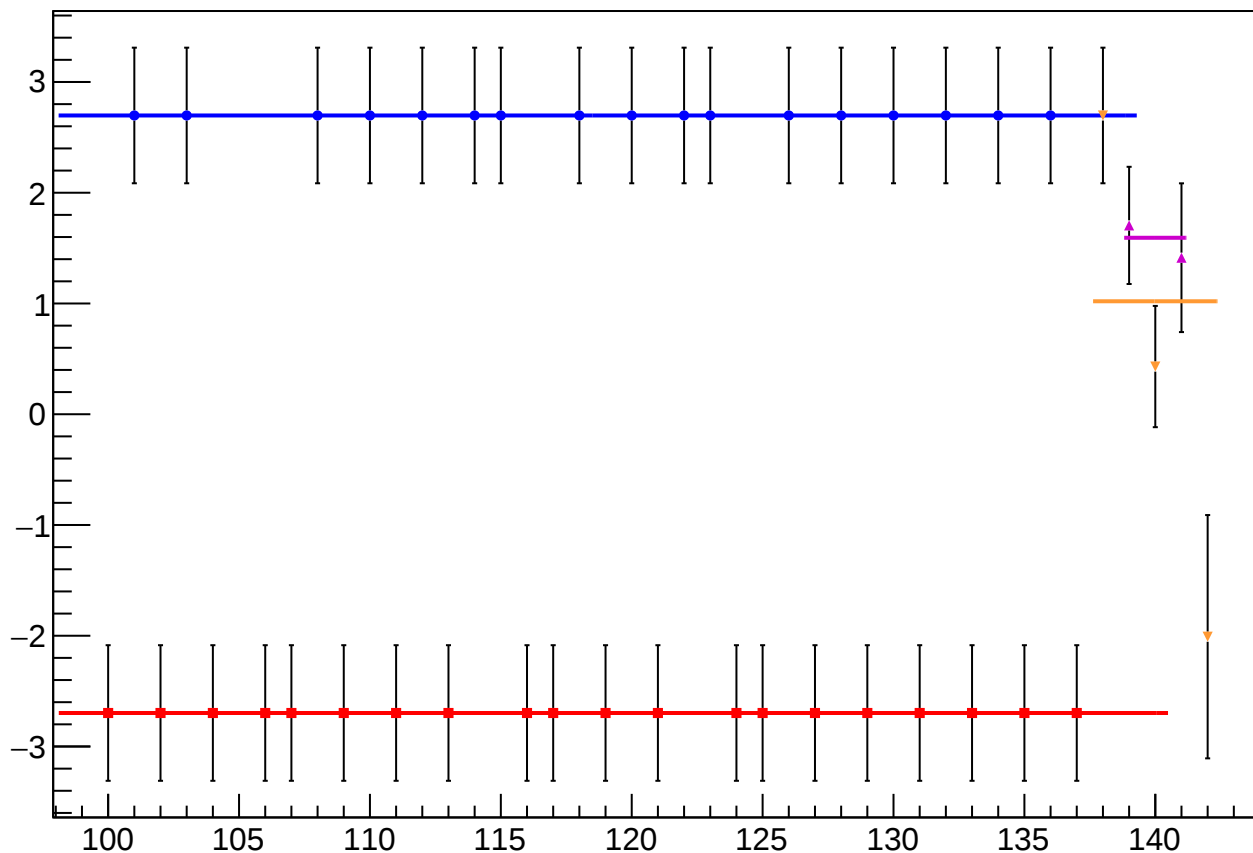
Left In: -0.153 ± 0.009 χ^2/NDF : 5.4/1

0.209 ± 0.003 χ^2/NDF : 4026.1/19

0.008 ± 0.002 χ^2/NDF : 18020.2/41

-0.183 ± 0.003 χ^2/NDF : 2741.8/21

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

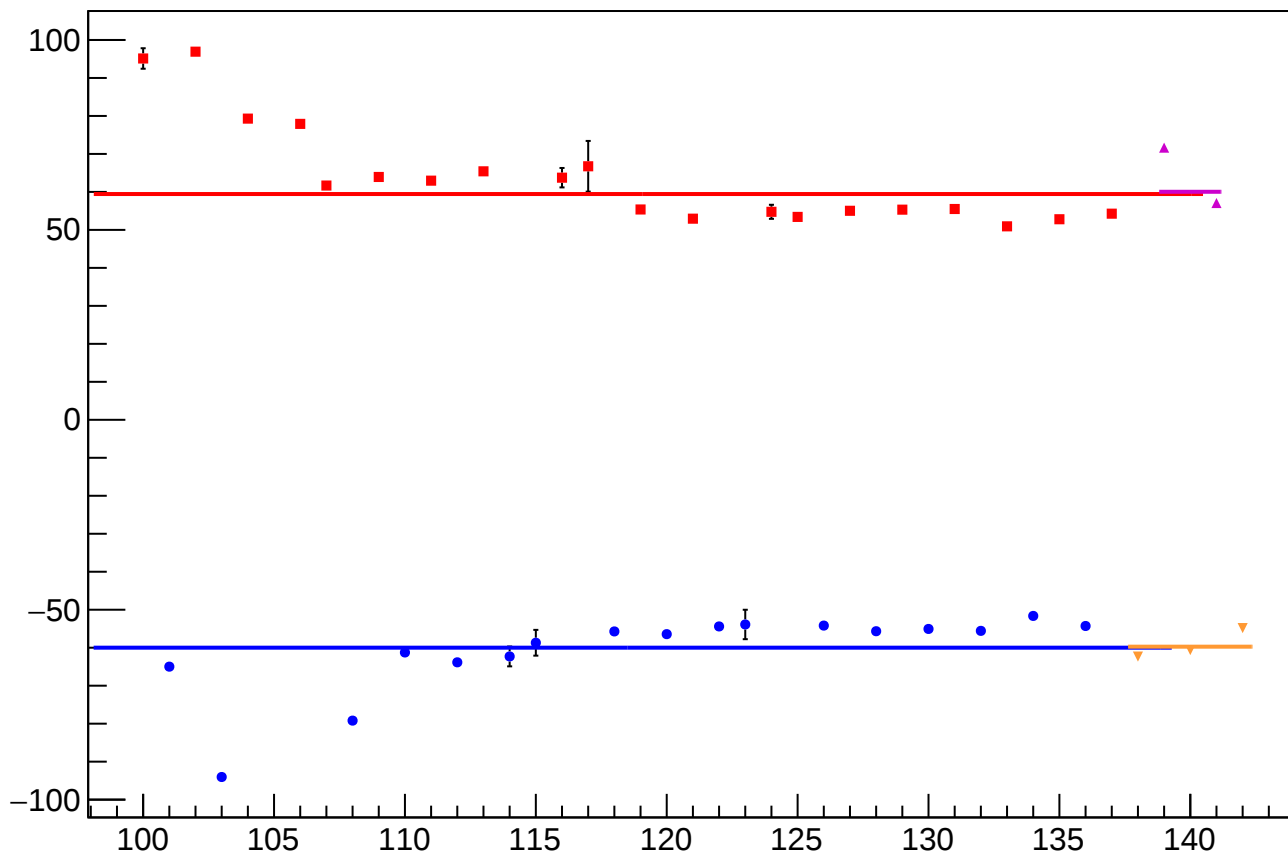
Left In: 1.593 $\pm$ 0.416 χ^2 /NDF: 0.1/1

2.478 $\pm$ 0.138 χ^2 /NDF: 33.0/19

-0.048 $\pm$ 0.095 χ^2 /NDF: 756.3/41

-2.278 $\pm$ 0.130 χ^2 /NDF: 96.3/21

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

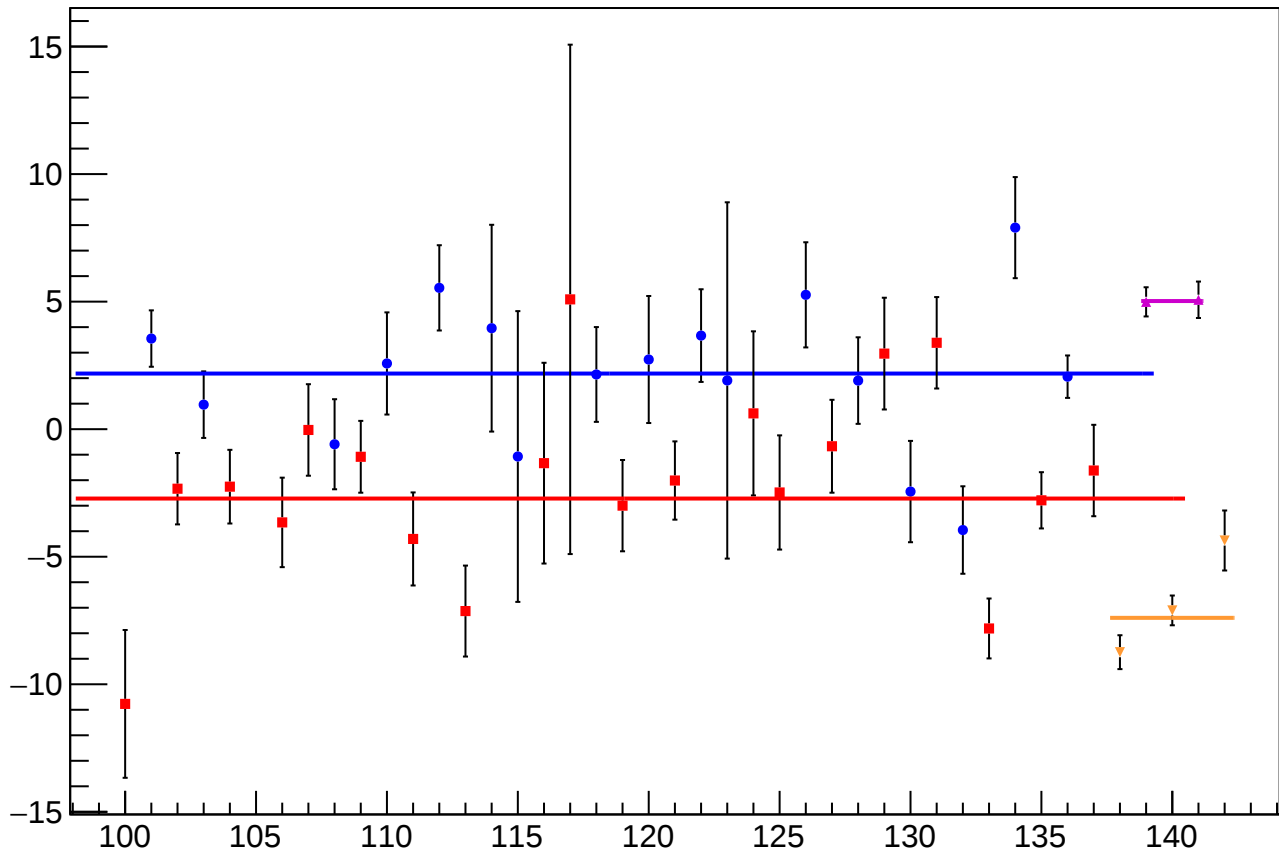
Left In: 60.034 ± 0.431 χ^2/NDF : 184.9/1

-59.909 ± 0.186 χ^2/NDF : 2041.4/19

-1.377 ± 0.133 χ^2/NDF : 206530.0/41

59.557 ± 0.190 χ^2/NDF : 3105.5/21

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 $\pm$ 0.406 χ^2/NDF : 39.0/16

Left Out: -2.548 $\pm$ 0.289 χ^2/NDF : 325.2/19

-2.548 $\pm$ 0.289 χ^2/NDF : 325.2/19

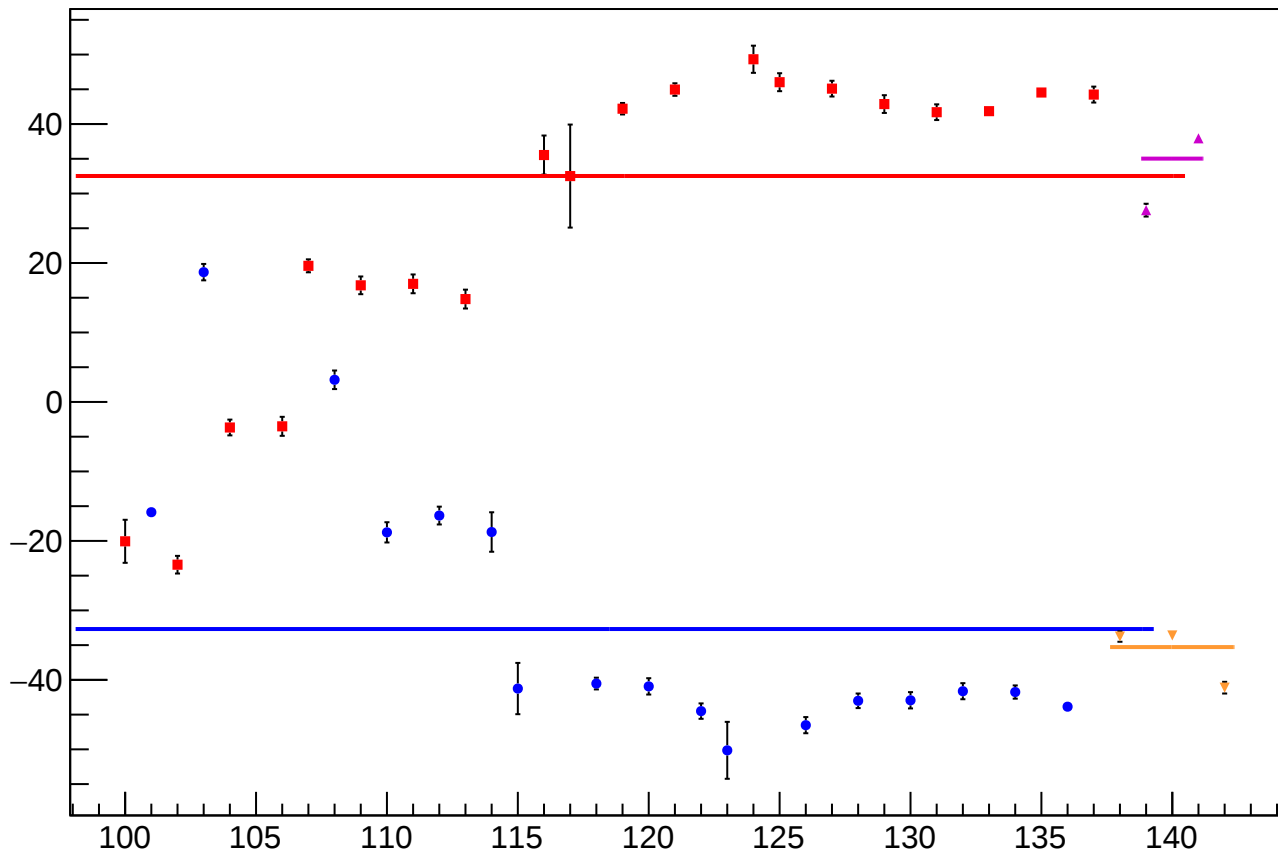
-0.992 $\pm$ 0.206 χ^2/NDF : 615.2/41

Right Out: -2.719 $\pm$ 0.388 χ^2/NDF : 59.5/19

0.609 $\pm$ 0.293 χ^2/NDF : 231.0/21

Left In: 5.023 $\pm$ 0.447 χ^2/NDF : 0.0/1

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 χ^2/NDF : 4646.9/16

Left Out: -35.280 ± 0.392 χ^2/NDF : 61.4/2

Right Out: 32.523 ± 0.244 χ^2/NDF : 6045.3/19

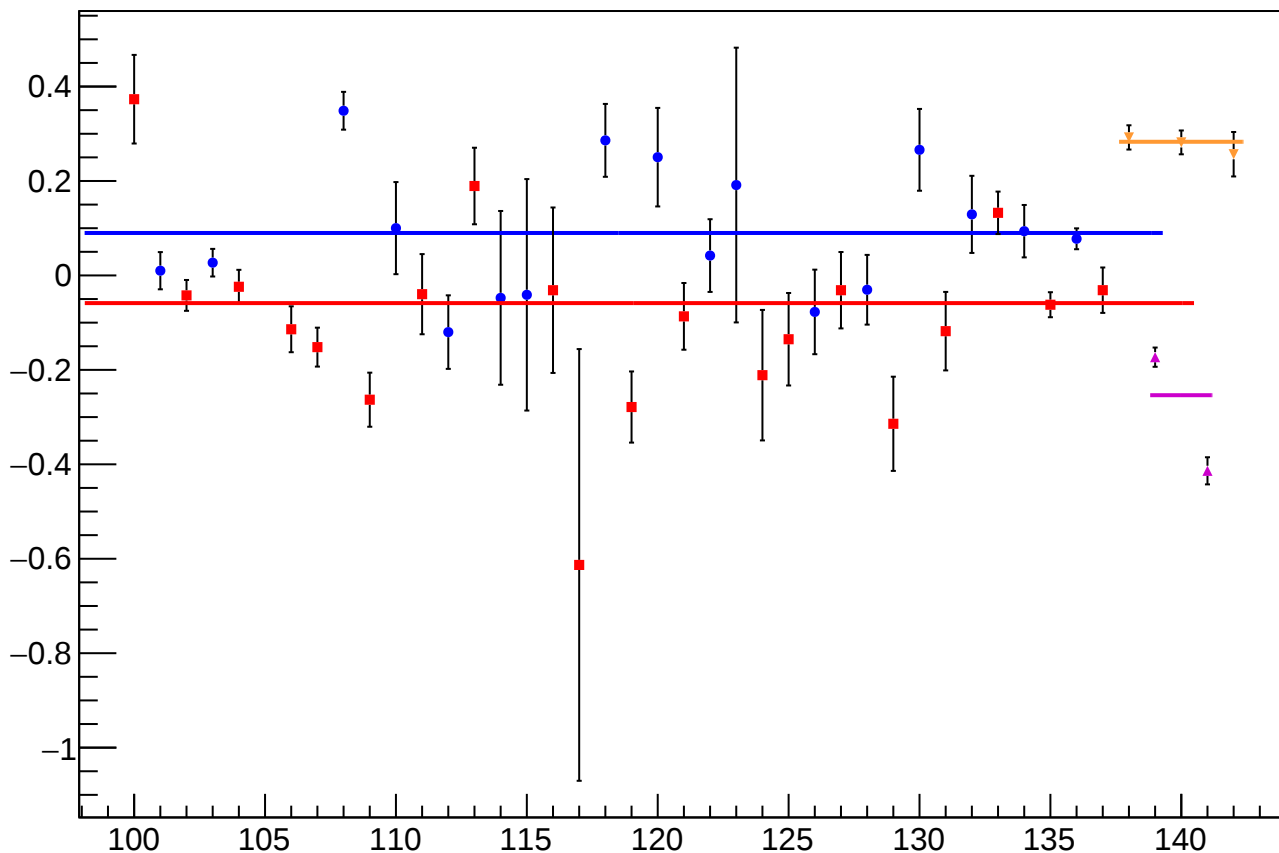
Left In: 35.023 ± 0.490 χ^2/NDF : 90.2/1

-33.457 ± 0.214 χ^2/NDF : 4739.1/19

-0.844 ± 0.153 χ^2/NDF : 58115.4/41

33.019 ± 0.218 χ^2/NDF : 6156.3/21

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

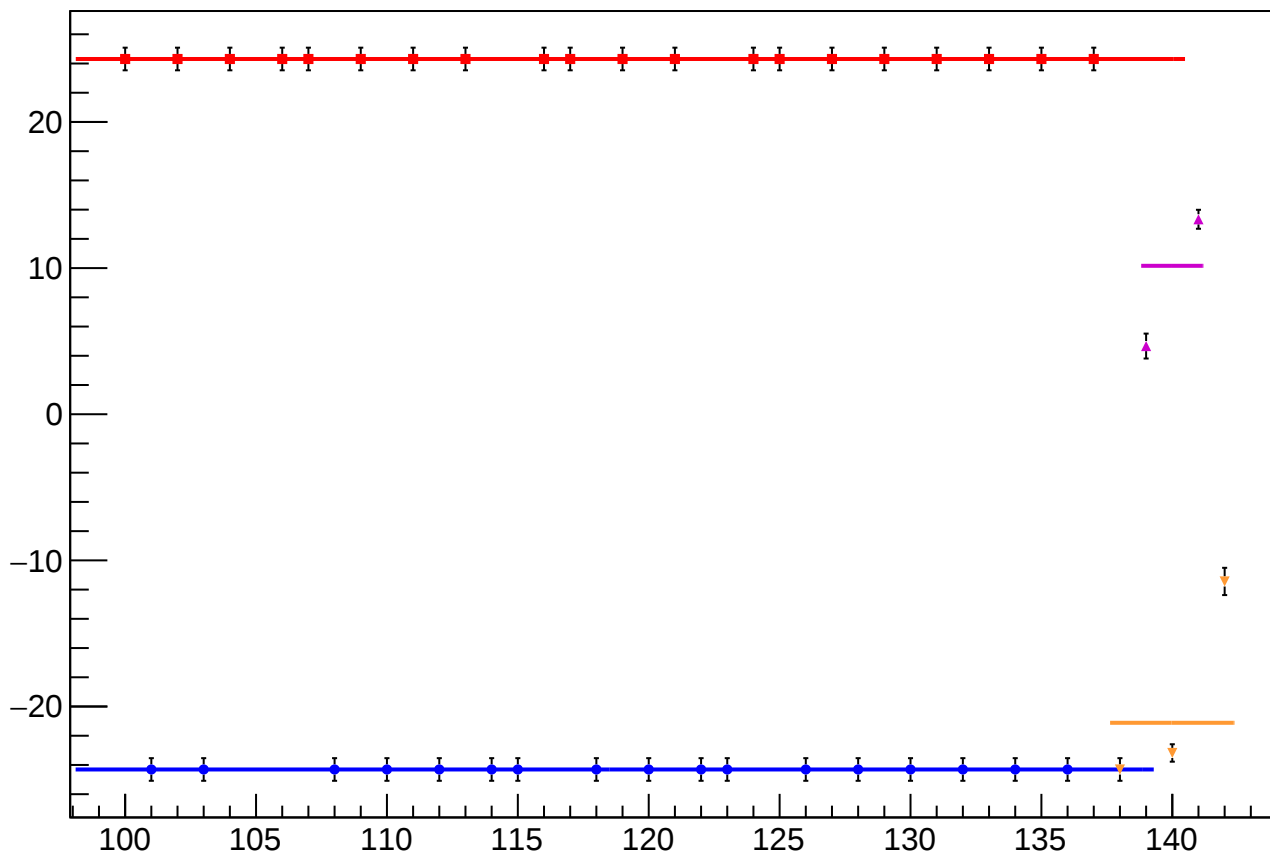
Left In: -0.254 $\pm$ 0.017 χ^2 /NDF: 46.7/1

0.160 $\pm$ 0.010 χ^2 /NDF: 163.1/19

0.012 $\pm$ 0.007 χ^2 /NDF: 800.9/41

-0.127 $\pm$ 0.010 χ^2 /NDF: 224.9/21

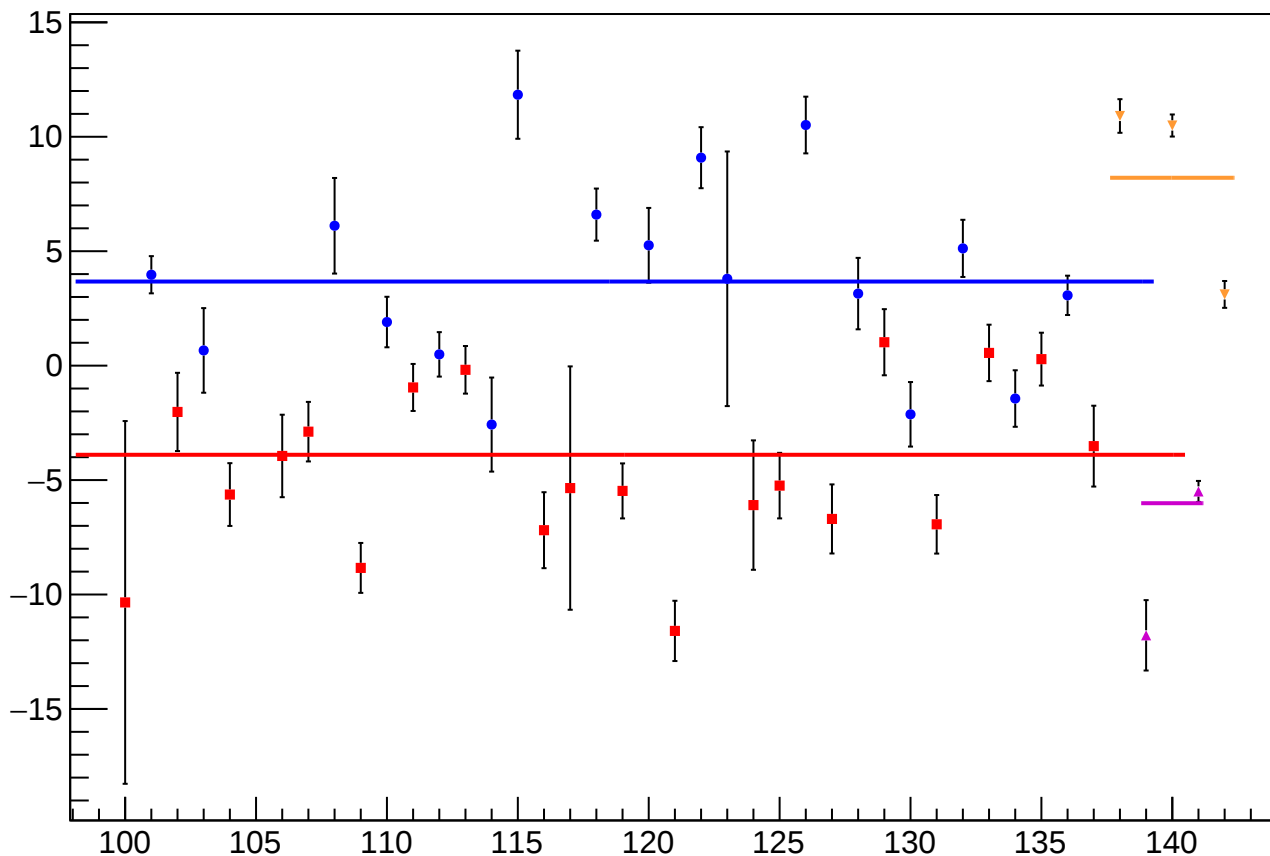
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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
 0.575 ± 0.119 χ^2/NDF : 39506.0/41
 22.879 ± 0.164 χ^2/NDF : 740.3/21

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

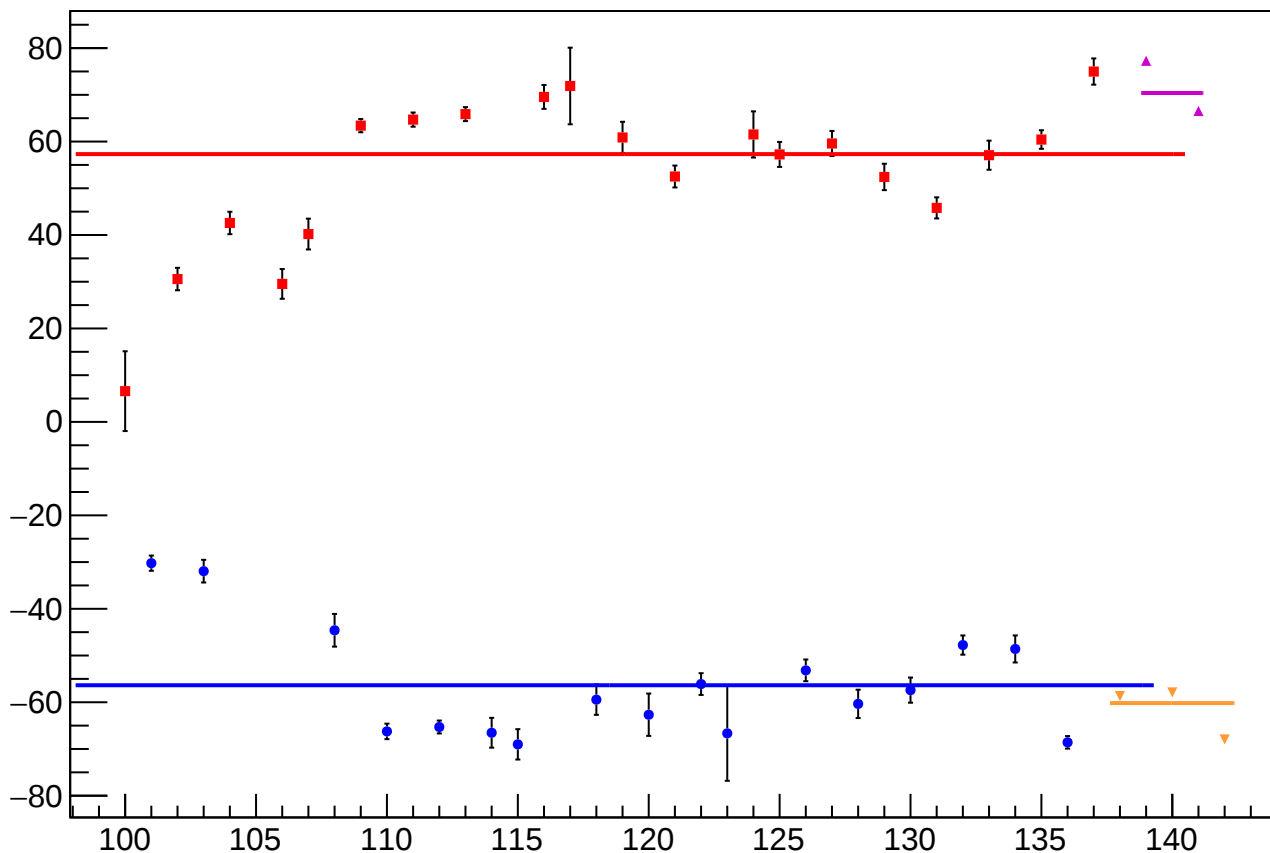
Left In: -6.011 $\pm$ 0.440 χ^2/NDF : 15.3/1

5.787 $\pm$ 0.227 χ^2/NDF : 346.0/19

1.221 $\pm$ 0.170 χ^2/NDF : 1433.4/41

-4.614 $\pm$ 0.256 χ^2/NDF : 164.4/21

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -60.180 ± 0.452 χ^2/NDF : 76.9/2

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

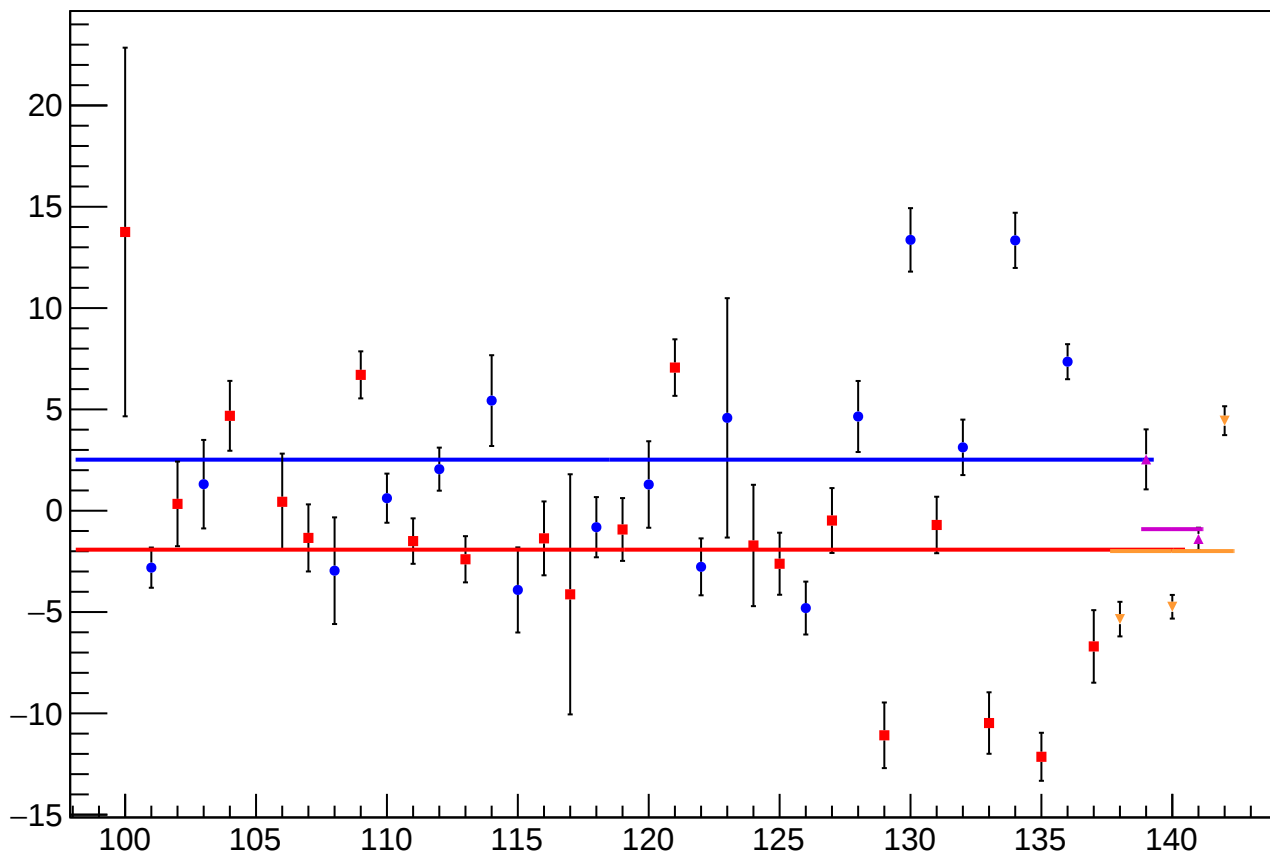
Left In: 70.393 ± 0.553 χ^2/NDF : 86.9/1

-58.619 ± 0.347 χ^2/NDF : 693.3/19

-3.669 ± 0.258 χ^2/NDF : 57229.8/41

63.639 ± 0.384 χ^2/NDF : 855.1/21

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 264.7/19$

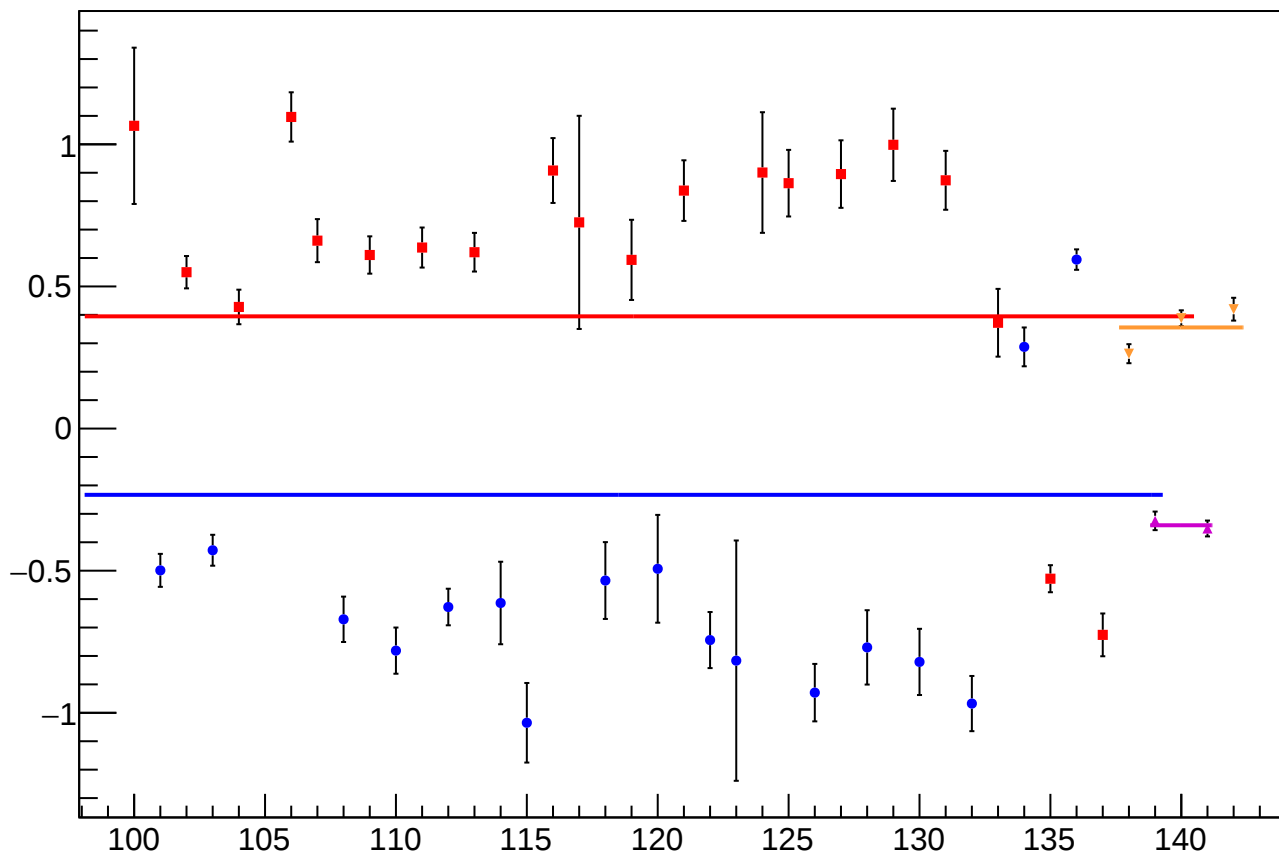
Left In: -0.909 ± 0.519 $\chi^2/\text{NDF}: 6.2/1$

0.578 ± 0.262 $\chi^2/\text{NDF}: 434.2/19$

-0.391 ± 0.195 $\chi^2/\text{NDF}: 738.4/41$

-1.600 ± 0.293 $\chi^2/\text{NDF}: 273.4/21$

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

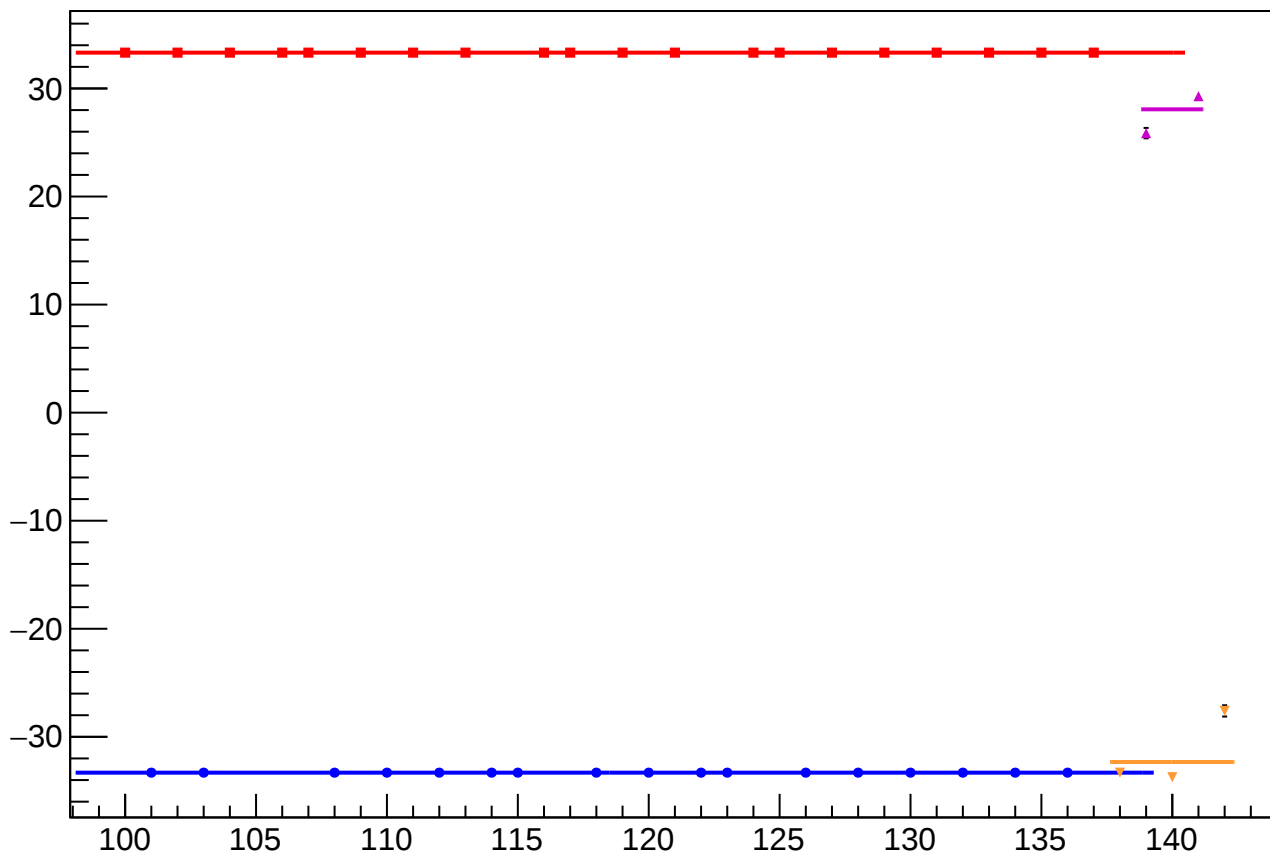
Left In: -0.340 ± 0.021 χ^2/NDF : 0.4/1

0.062 ± 0.013 χ^2/NDF : 1455.2/19

0.065 ± 0.010 χ^2/NDF : 2968.8/41

0.068 ± 0.014 χ^2/NDF : 1513.5/21

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

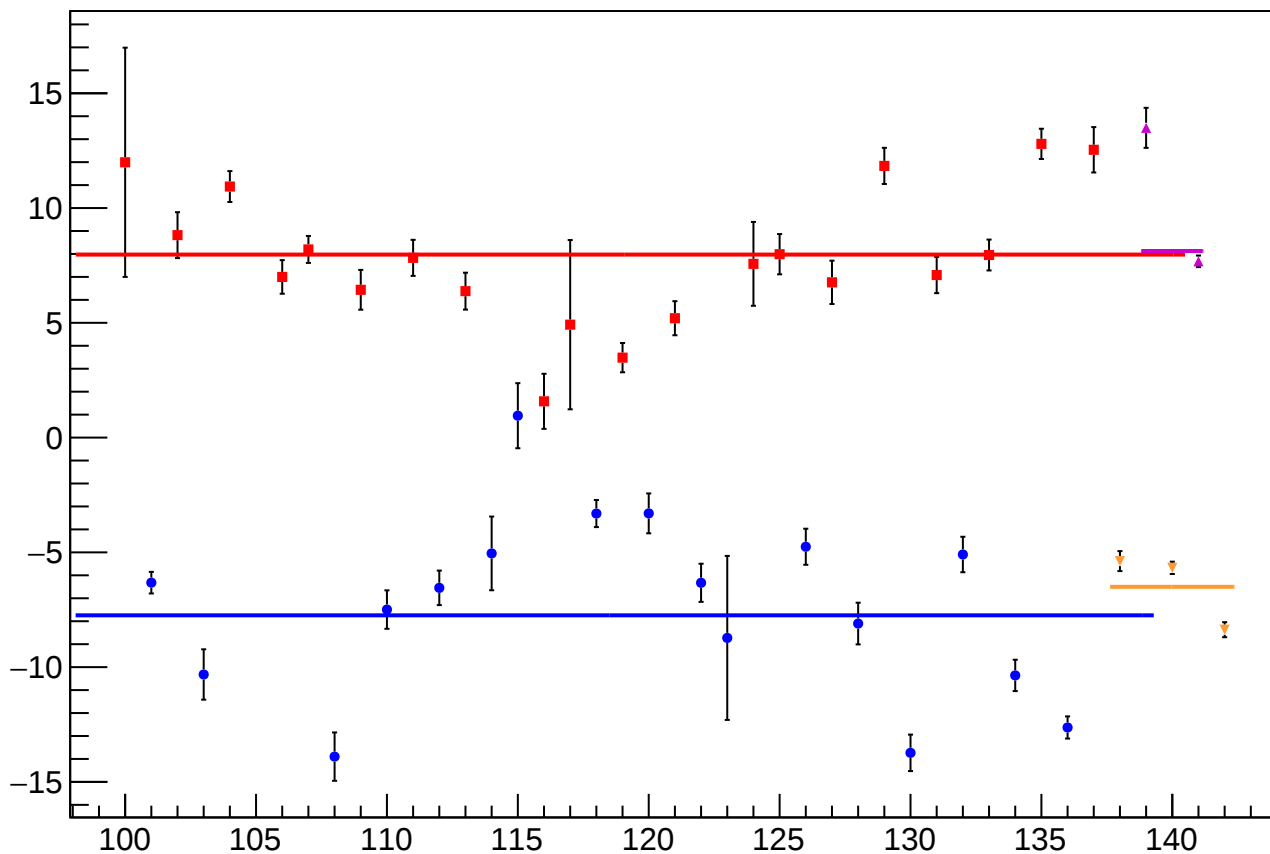
Left In: 28.071 ± 0.287 χ^2/NDF : 32.6/1

-33.139 ± 0.101 χ^2/NDF : 119.1/19

1.216 ± 0.070 χ^2/NDF : 221743.3/41

32.717 ± 0.097 χ^2/NDF : 329.2/21

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 $\chi^2/\text{NDF}: 377.5/16$

Left Out: -6.501 ± 0.187 $\chi^2/\text{NDF}: 48.7/2$

Right Out: 7.973 ± 0.186 $\chi^2/\text{NDF}: 224.2/19$

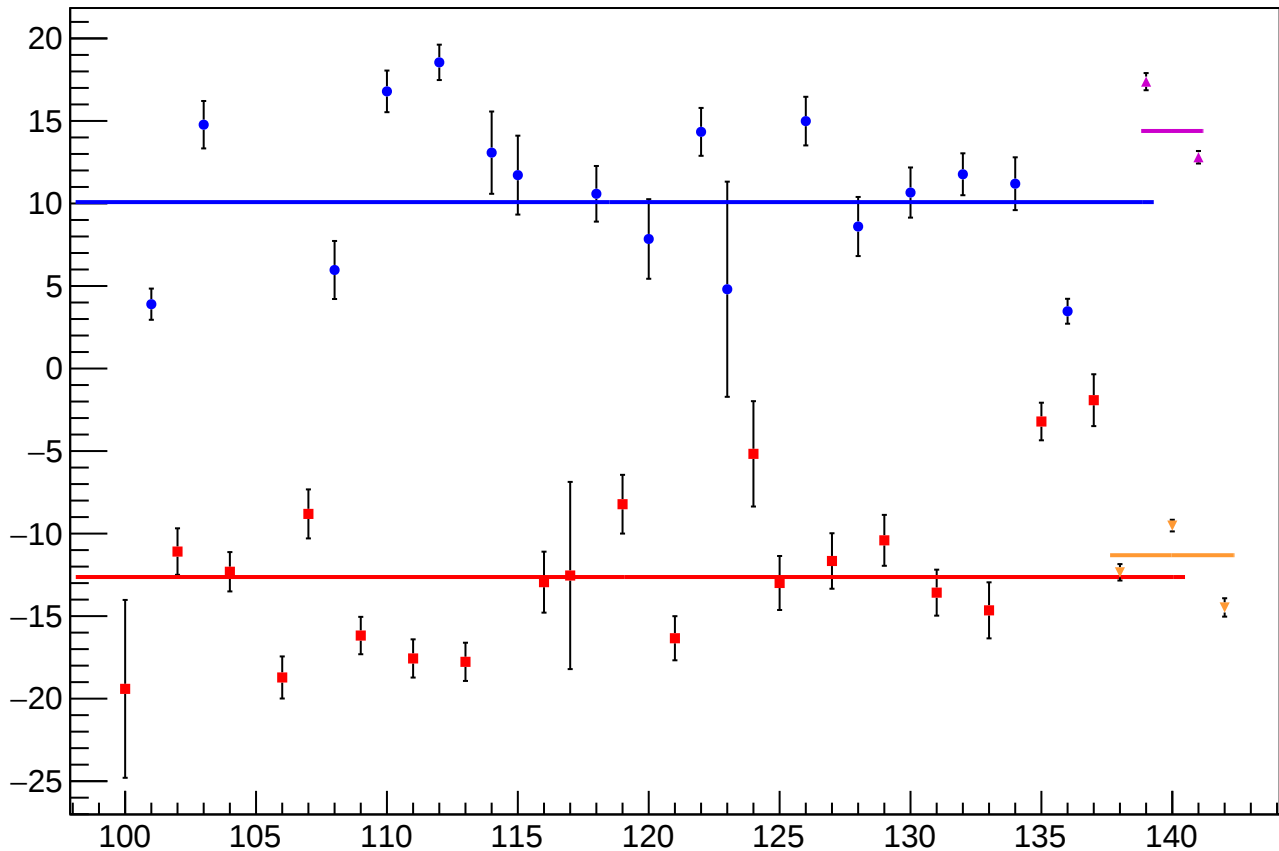
Left In: 8.128 ± 0.242 $\chi^2/\text{NDF}: 41.0/1$

-7.123 ± 0.132 $\chi^2/\text{NDF}: 448.2/19$

-0.355 ± 0.098 $\chi^2/\text{NDF}: 6567.6/41$

8.030 ± 0.147 $\chi^2/\text{NDF}: 265.5/21$

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$

Left Out: -11.310 ± 0.256 $\chi^2/\text{NDF}: 62.3/2$

Right Out: -12.631 ± 0.332 $\chi^2/\text{NDF}: 218.6/19$

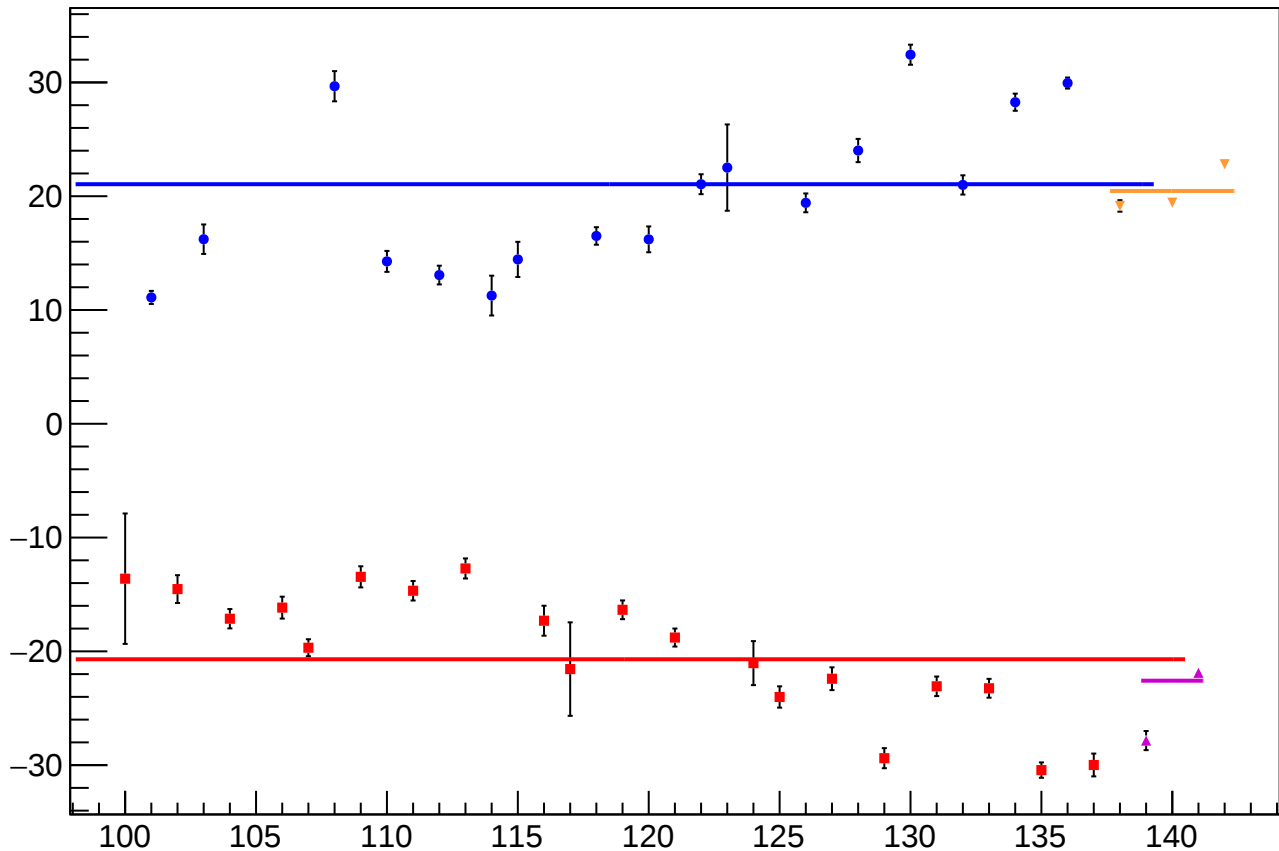
Left In: 14.393 ± 0.307 $\chi^2/\text{NDF}: 50.6/1$

-3.506 ± 0.204 $\chi^2/\text{NDF}: 2860.9/19$

-1.043 ± 0.151 $\chi^2/\text{NDF}: 7028.4/41$

1.958 ± 0.225 $\chi^2/\text{NDF}: 3844.3/21$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 20.461 $\pm$ 0.225 χ^2 /NDF: 51.6/2

Right Out: -20.696 $\pm$ 0.212 χ^2 /NDF: 724.1/19

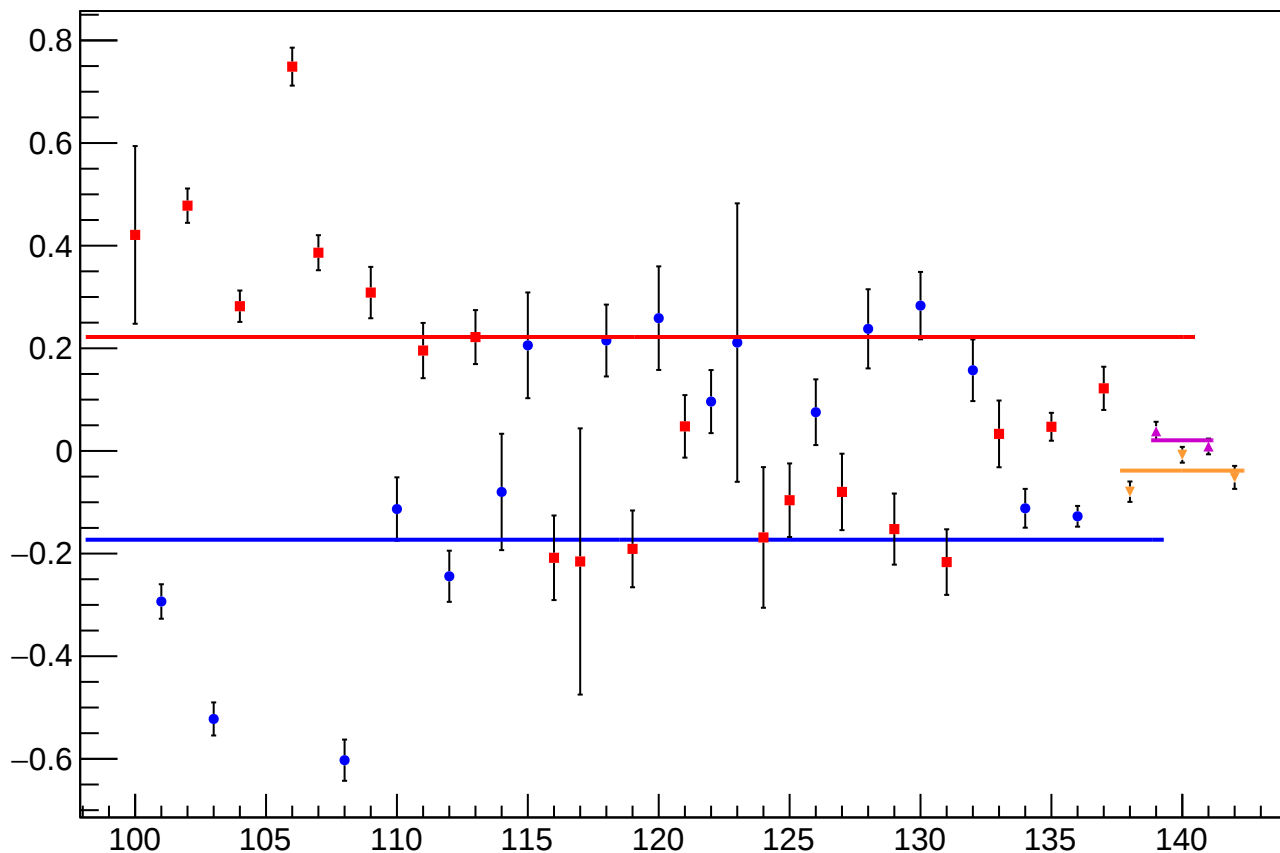
Left In: -22.579 $\pm$ 0.286 χ^2 /NDF: 44.4/1

20.777 $\pm$ 0.154 χ^2 /NDF: 1267.1/19

1.877 $\pm$ 0.114 χ^2 /NDF: 35699.6/41

-21.365 $\pm$ 0.171 χ^2 /NDF: 796.4/21

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

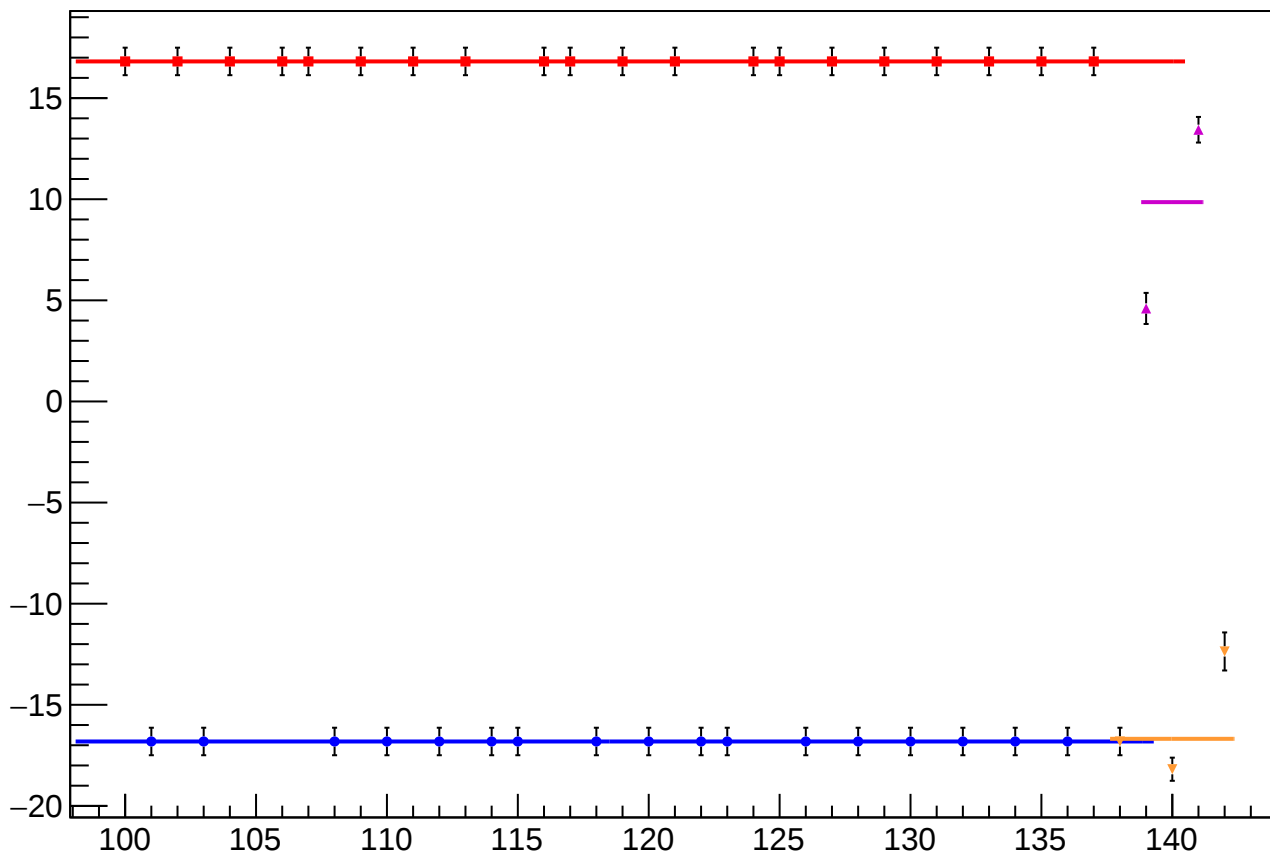
Left In: 0.021 ± 0.012 χ^2/NDF : 1.5/1

-0.102 ± 0.008 χ^2/NDF : 546.1/19

0.009 ± 0.006 χ^2/NDF : 1672.7/41

0.129 ± 0.008 χ^2/NDF : 695.6/21

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

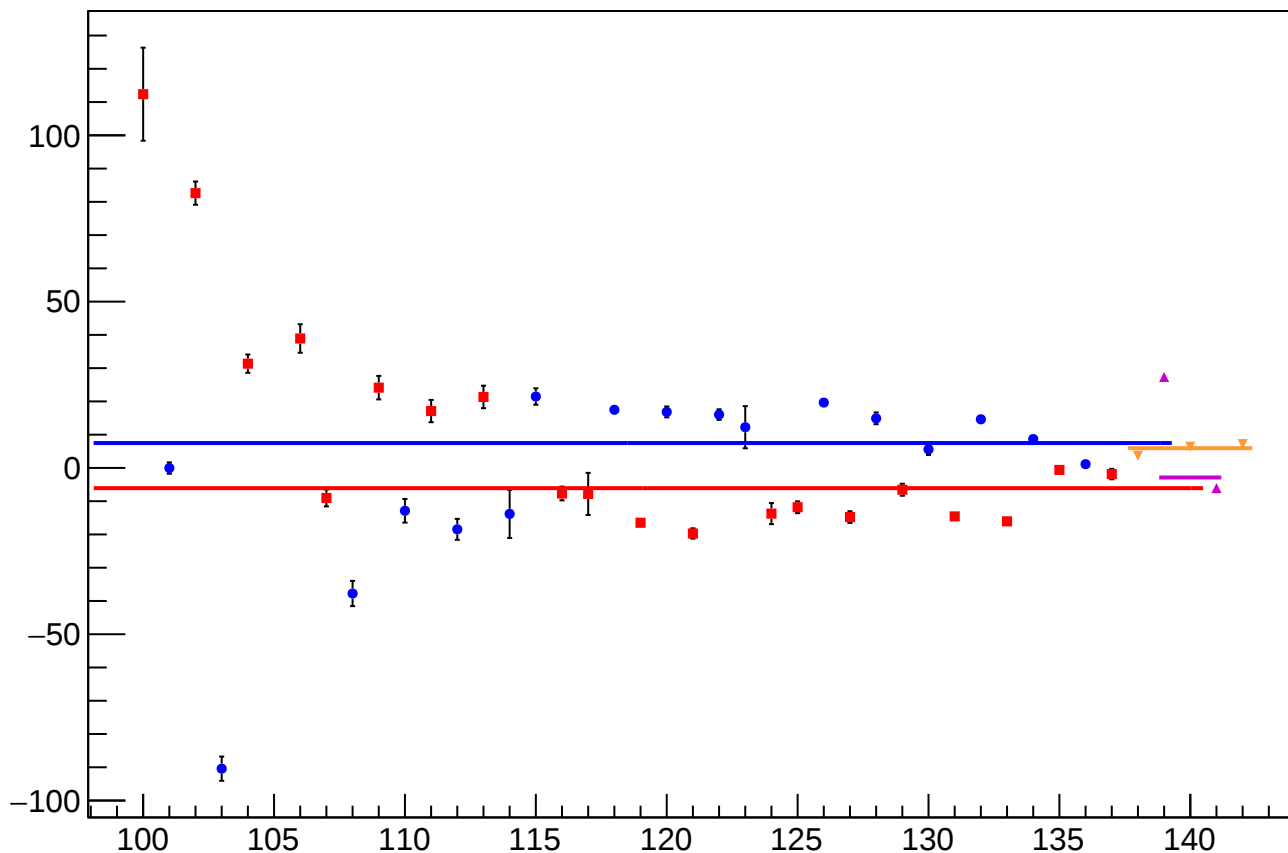
Left In: 9.857 $\pm$ 0.489 χ^2/NDF : 78.7/1

-16.795 $\pm$ 0.152 χ^2/NDF : 28.1/19

0.490 $\pm$ 0.105 χ^2/NDF : 24868.8/41

16.200 $\pm$ 0.145 χ^2/NDF : 263.3/21

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

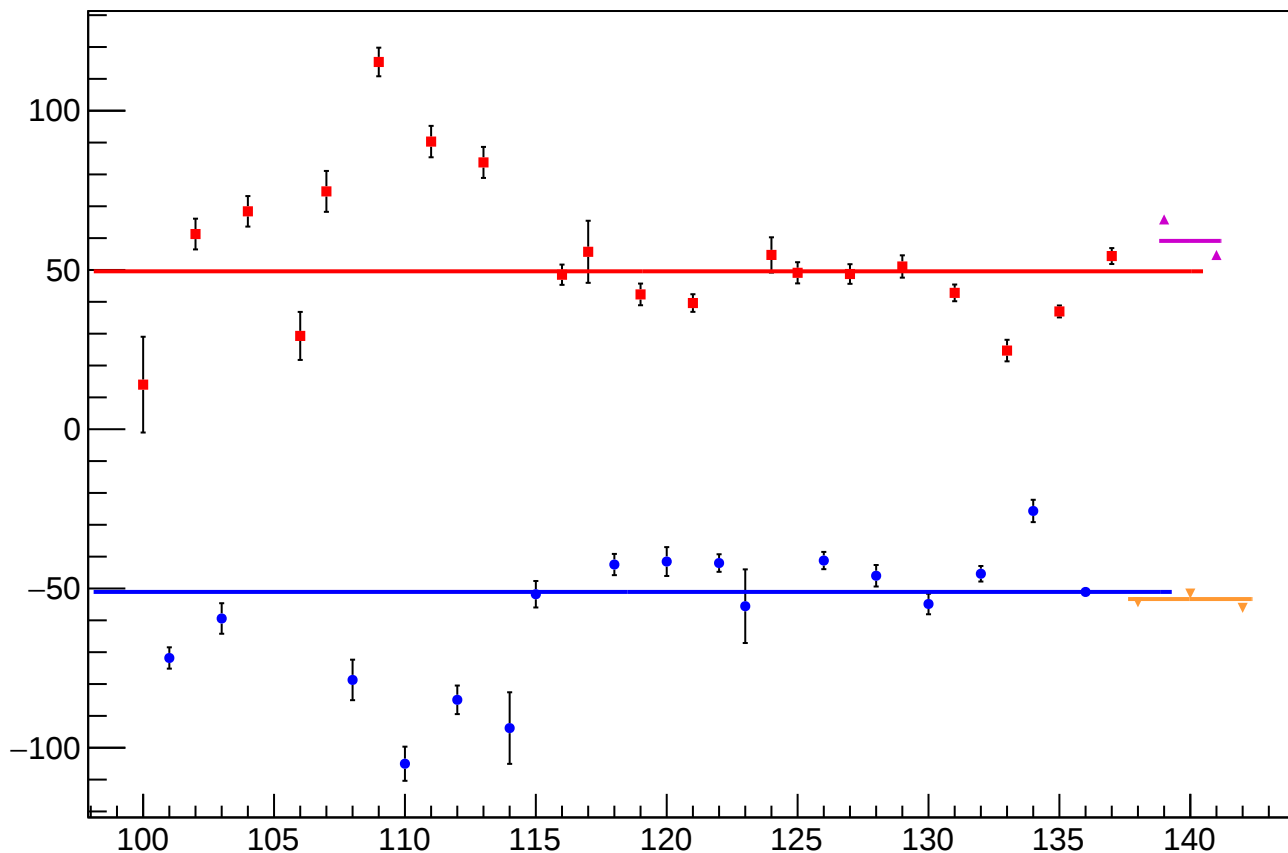
Left In: -2.879+/-0.427 χ^2/NDF : 529.5/1

6.530+/-0.251 χ^2/NDF : 1367.0/19

2.083+/-0.193 χ^2/NDF : 4213.9/41

-4.459+/-0.304 χ^2/NDF : 2069.5/21

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

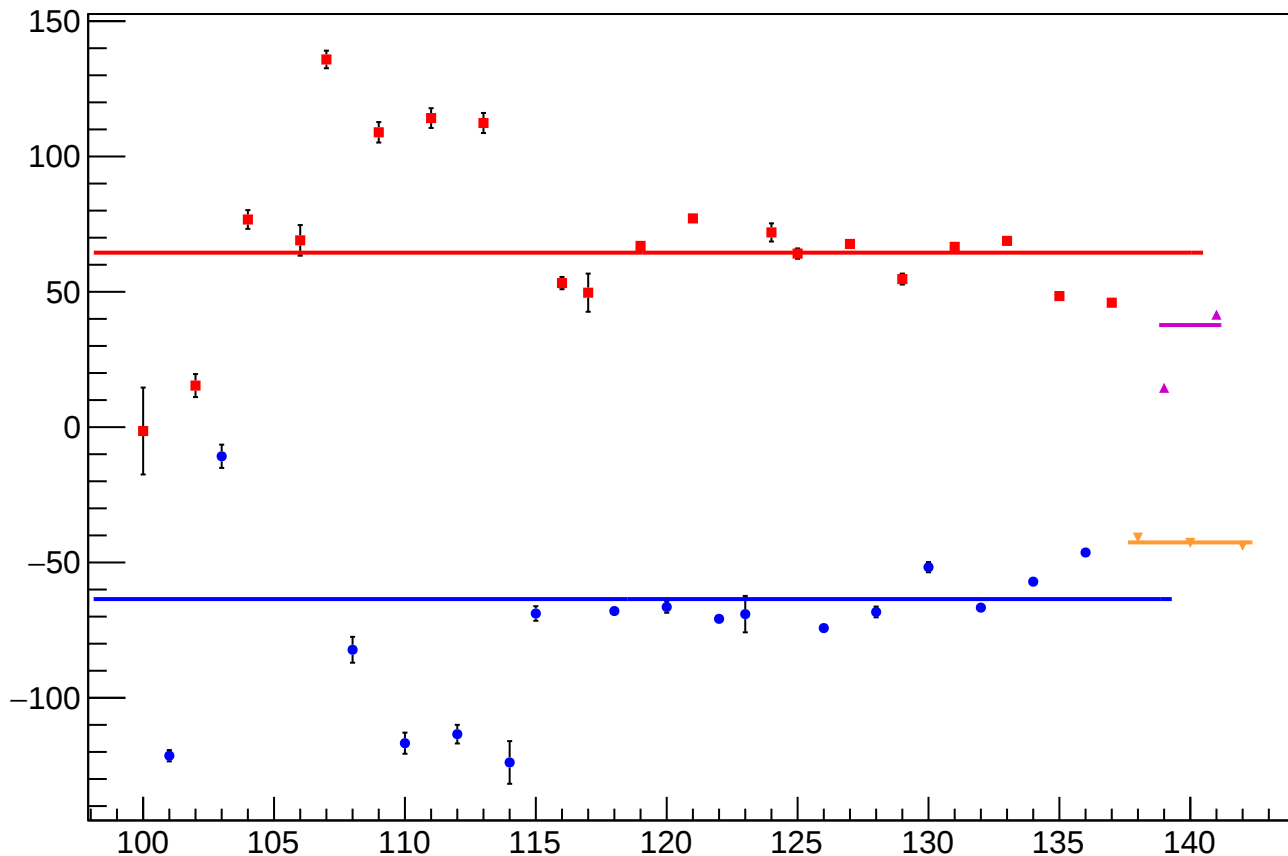
Left In: 59.130 +/- 0.524 χ^2/NDF : 108.8/1

-52.759 +/- 0.369 χ^2/NDF : 354.4/19

-7.450 +/- 0.282 χ^2/NDF : 37346.7/41

56.243 +/- 0.437 χ^2/NDF : 719.3/21

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

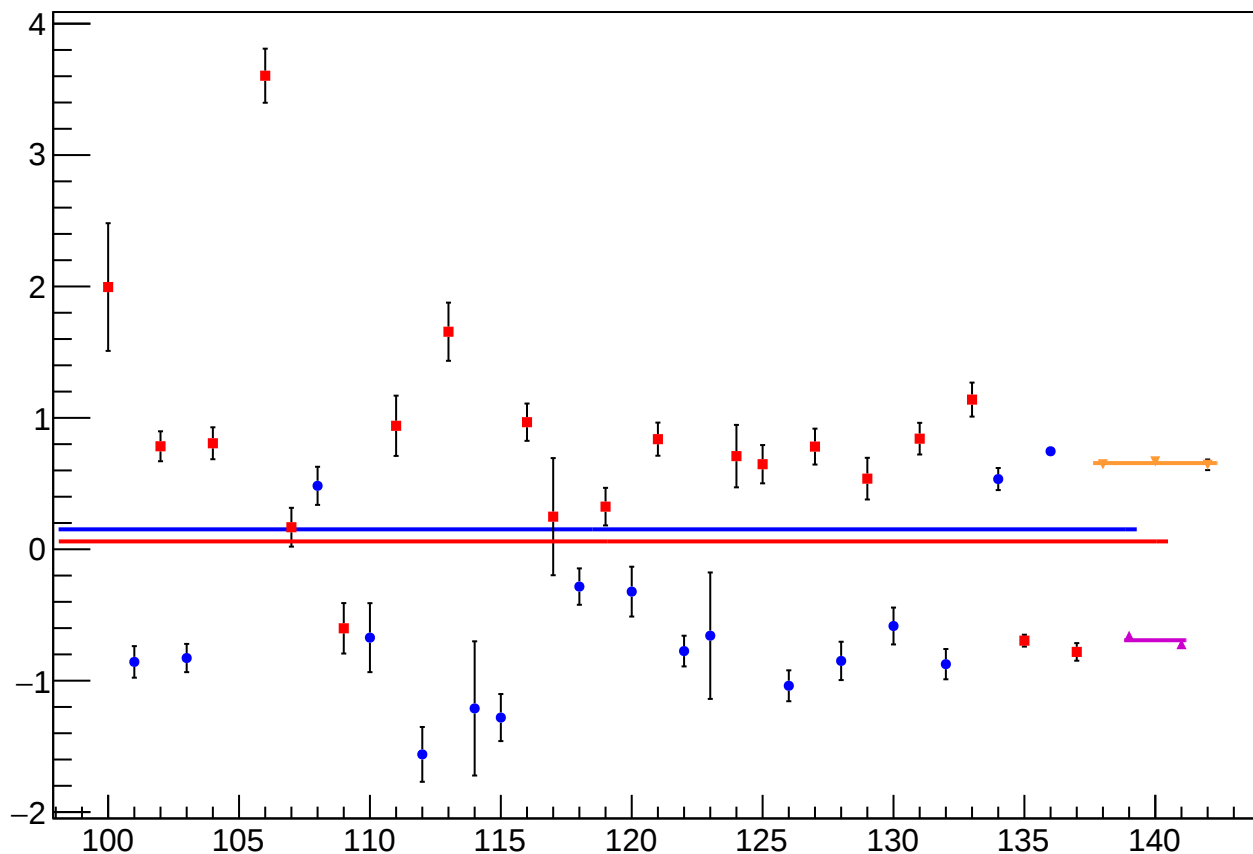
Left In: 37.712±/0.502 χ^2/NDF : 353.9/1

-51.379±/0.291 χ^2/NDF : 3283.1/19

-8.974±/0.223 χ^2/NDF : 58400.9/41

51.639±/0.348 χ^2/NDF : 3440.4/21

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.656 ± 0.018 χ^2/NDF : 0.4/2

Right Out: 0.060 ± 0.026 χ^2/NDF : 1162.1/19

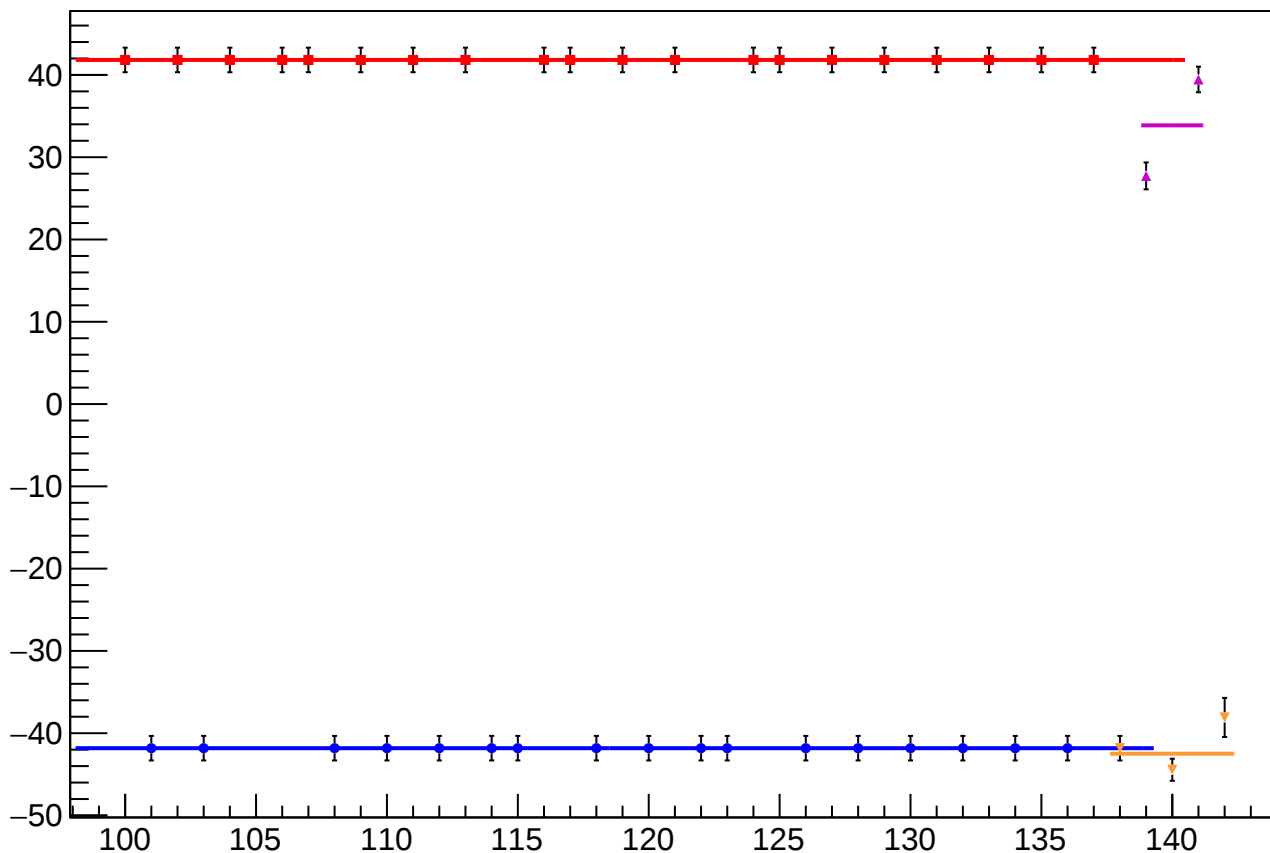
Left In: -0.692 ± 0.020 χ^2/NDF : 2.6/1

0.478 ± 0.014 χ^2/NDF : 1272.9/19

0.079 ± 0.011 χ^2/NDF : 4713.1/41

-0.416 ± 0.016 χ^2/NDF : 1684.7/21

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -41.821 ± 0.362 χ^2/NDF : 0.0/16

Left Out: -42.494 ± 0.920 χ^2/NDF : 5.8/2

Right Out: 41.821 ± 0.334 χ^2/NDF : 0.0/19

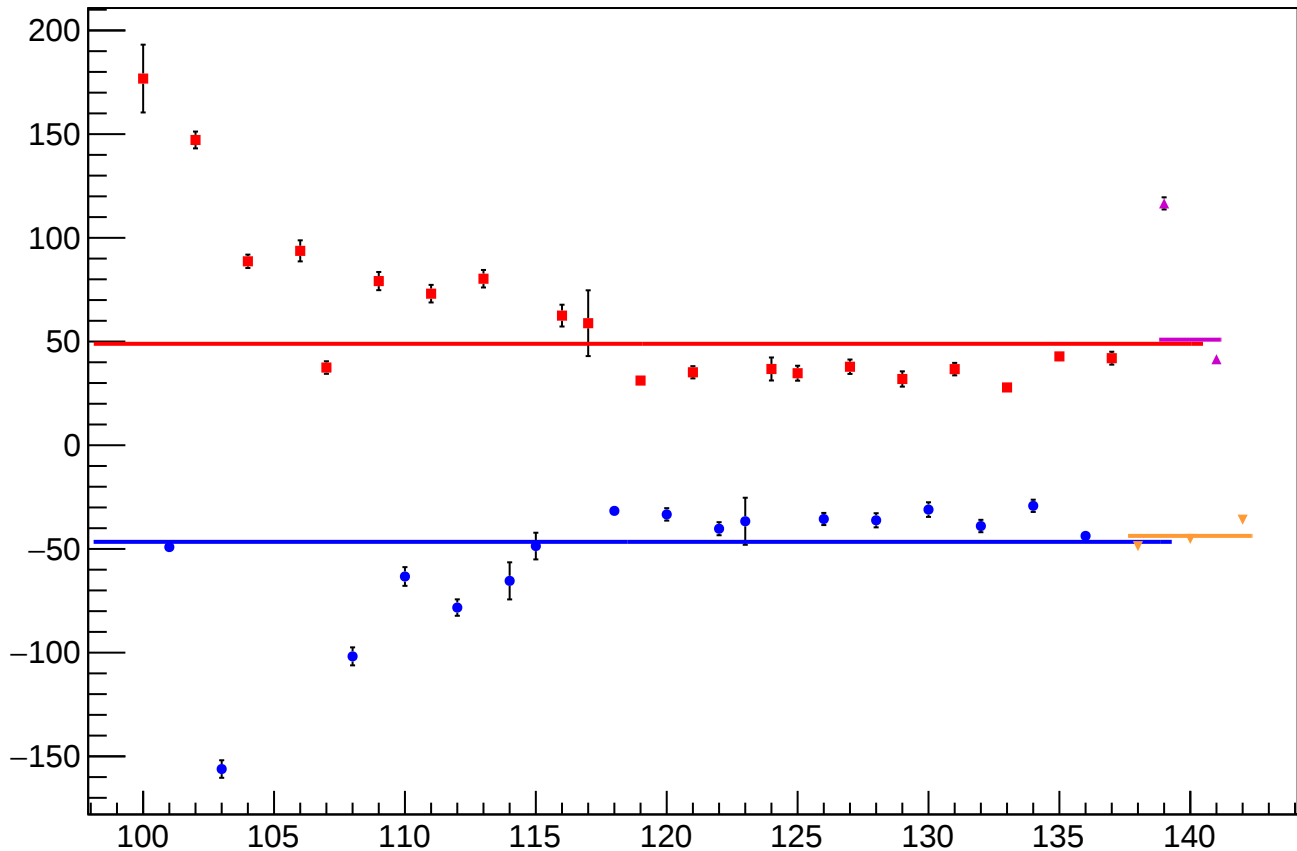
Left In: 33.872 ± 1.128 χ^2/NDF : 26.9/1

-41.912 ± 0.337 χ^2/NDF : 6.2/19

1.761 ± 0.232 χ^2/NDF : 32068.8/41

41.182 ± 0.320 χ^2/NDF : 72.5/21

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -43.702 ± 0.761 $\chi^2/\text{NDF}: 40.0/2$

Right Out: 48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

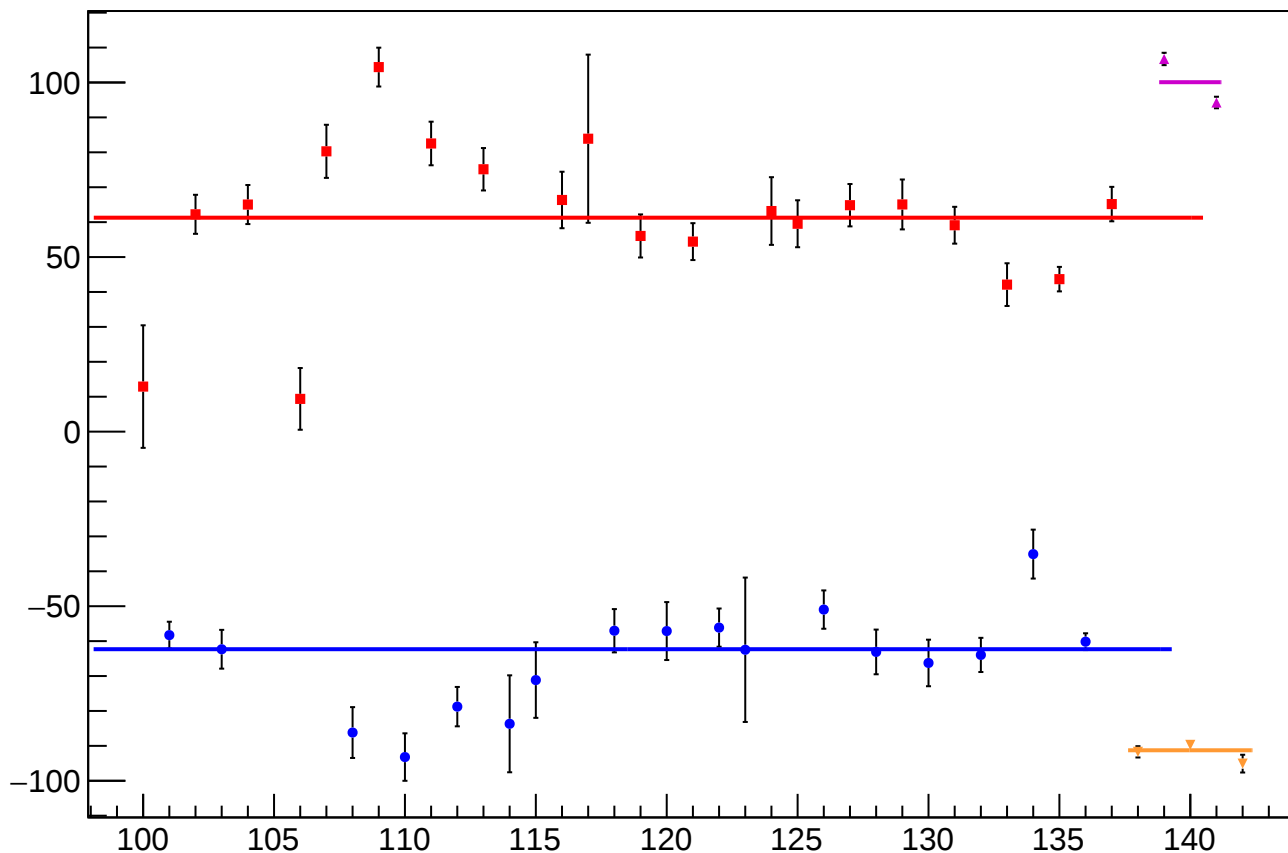
Left In: 50.901 ± 1.038 $\chi^2/\text{NDF}: 574.9/1$

-45.201 ± 0.527 $\chi^2/\text{NDF}: 1123.8/19$

-5.052 ± 0.400 $\chi^2/\text{NDF}: 16697.0/41$

49.608 ± 0.615 $\chi^2/\text{NDF}: 1855.2/21$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -91.263 ± 0.987 $\chi^2/\text{NDF}: 3.5/2$

Right Out: 61.277 ± 1.379 $\chi^2/\text{NDF}: 165.9/19$

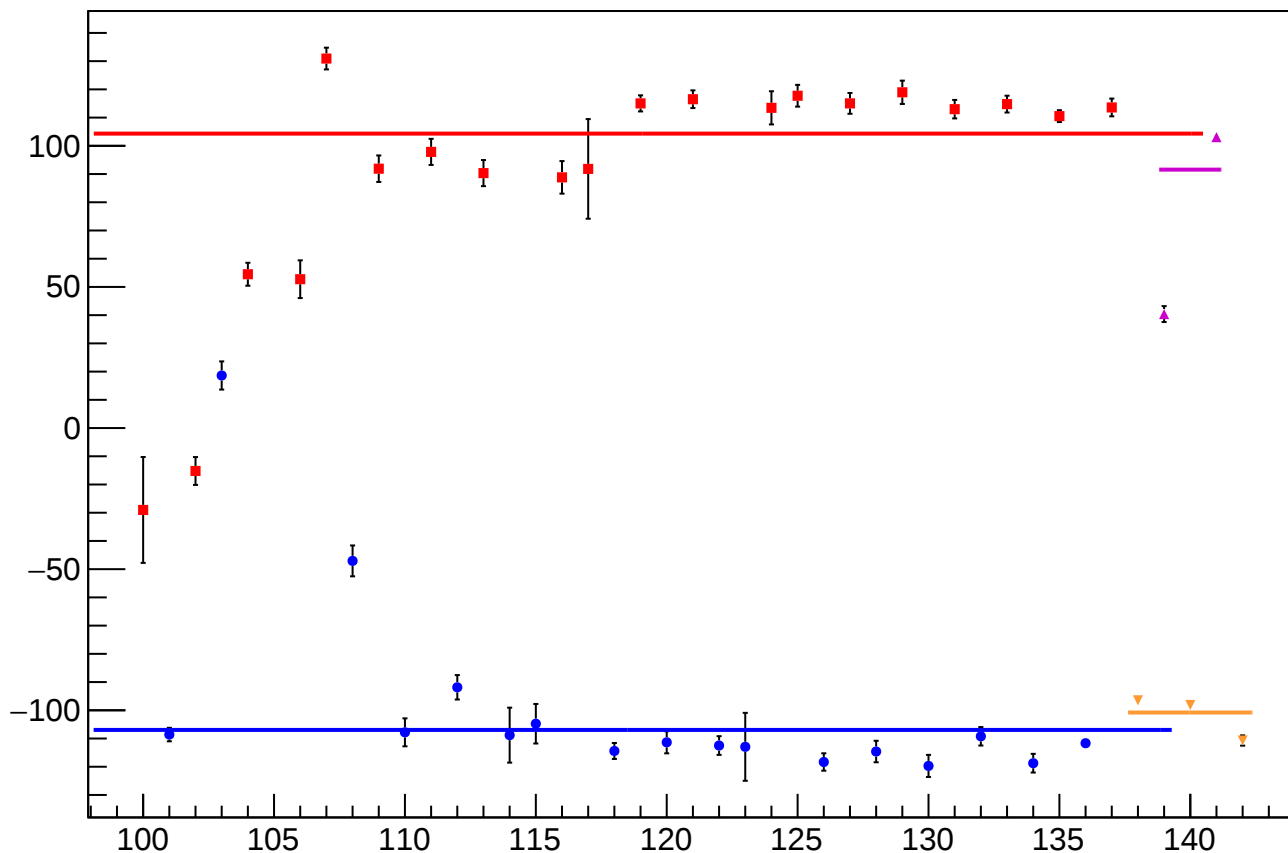
Left In: 100.084 ± 1.211 $\chi^2/\text{NDF}: 26.4/1$

-80.838 ± 0.789 $\chi^2/\text{NDF}: 380.4/19$

-10.370 ± 0.596 $\chi^2/\text{NDF}: 19564.7/41$

83.189 ± 0.910 $\chi^2/\text{NDF}: 639.7/21$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 $\pm$ 0.817 χ^2 /NDF: 827.2/16

Left Out: -100.784 $\pm$ 0.907 χ^2 /NDF:40.2/2

Right Out: 104.326 $\pm$ 0.860 χ^2 /NDF: 1021.5/19

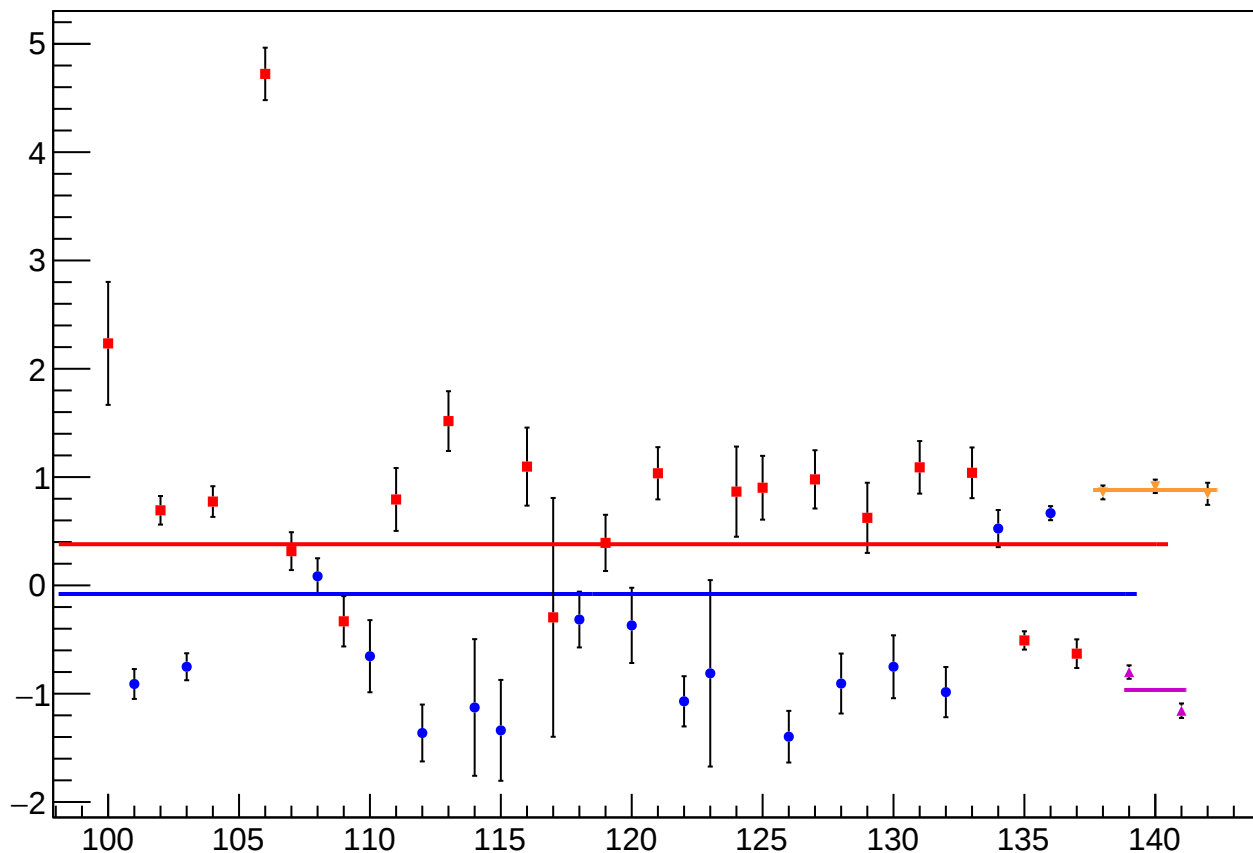
Left In: 91.566 $\pm$ 1.208 χ^2 /NDF:403.5/1

-104.191 $\pm$ 0.607 χ^2 /NDF: 893.0/19

-16.616 $\pm$ 0.459 χ^2 /NDF: 50897.1/41

100.033 $\pm$ 0.701 χ^2 /NDF: 1499.0/21

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

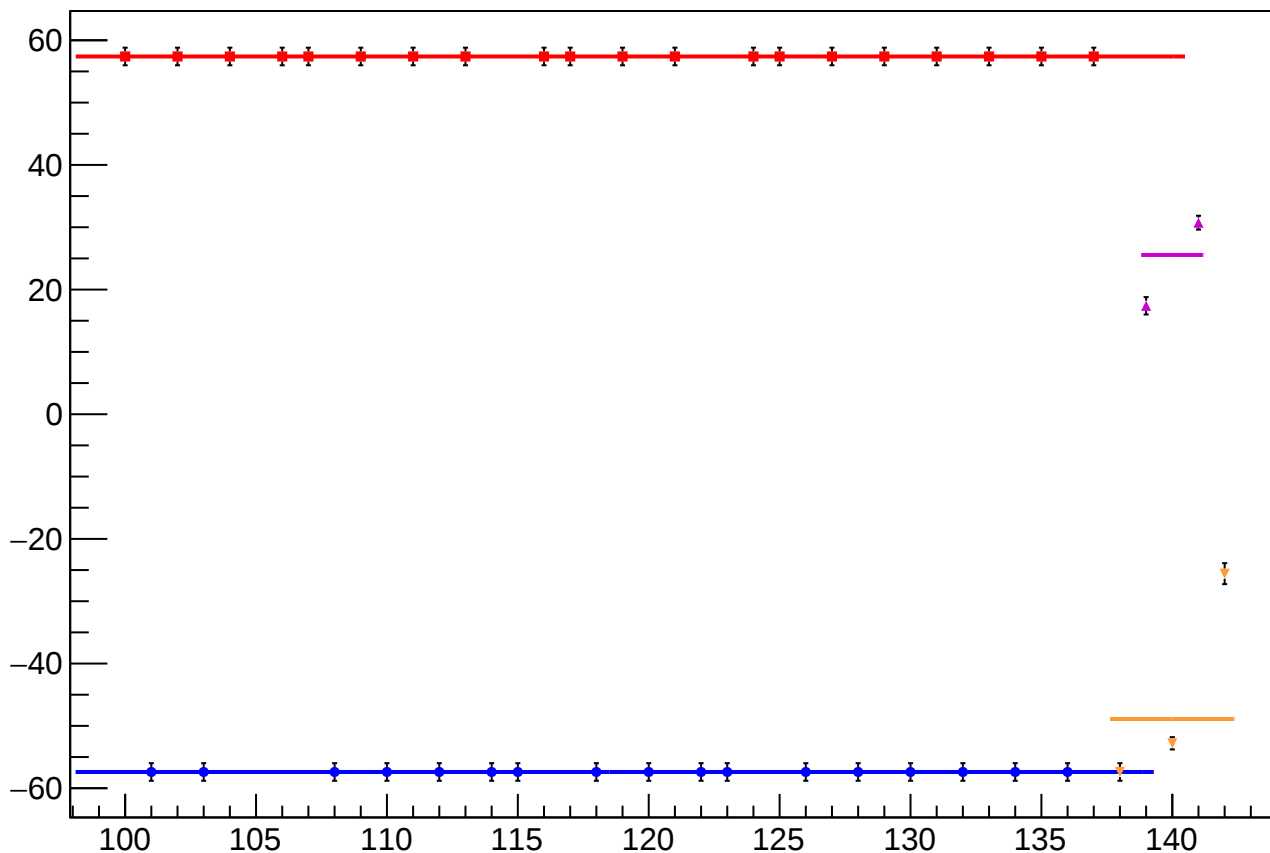
Left In: -0.966 ± 0.046 χ^2/NDF : 15.2/1

0.417 ± 0.029 χ^2/NDF : 595.8/19

0.100 ± 0.022 χ^2/NDF : 1895.4/41

-0.269 ± 0.032 χ^2/NDF : 1047.6/21

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

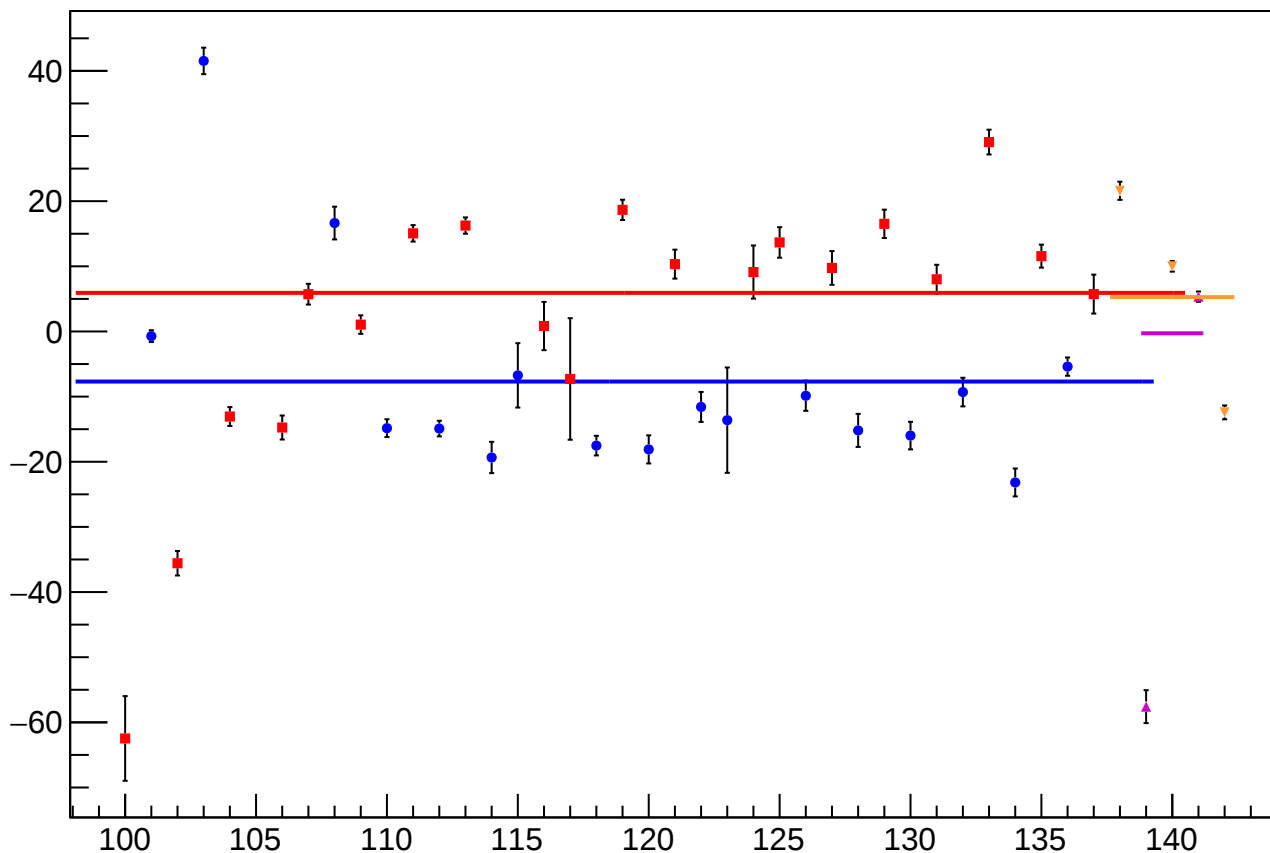
Left In: 25.554 ± 0.870 χ^2/NDF : 55.7/1

-55.863 ± 0.311 χ^2/NDF : 353.9/19

1.302 ± 0.215 χ^2/NDF : 66504.8/41

53.682 ± 0.297 χ^2/NDF : 1238.1/21

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

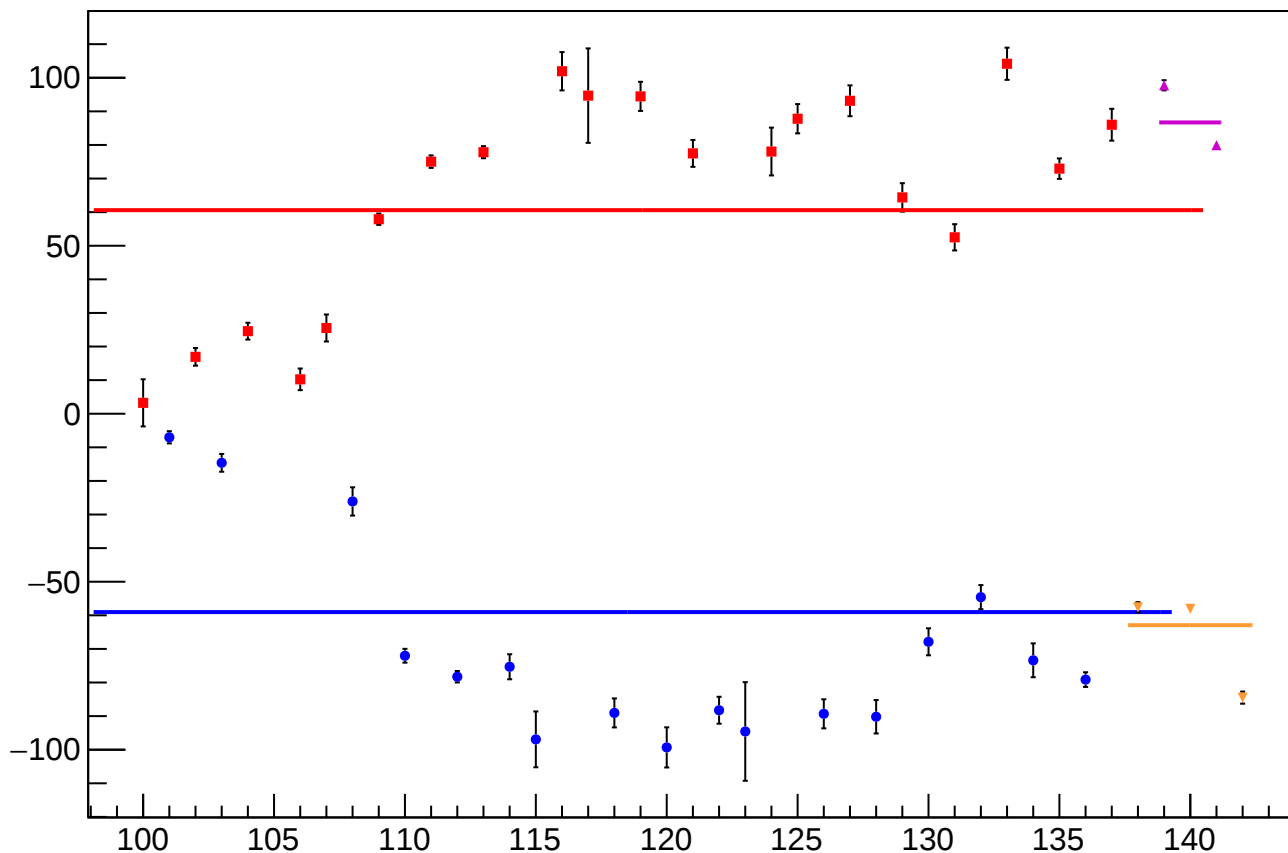
Left In: -0.278 ± 0.755 χ^2/NDF : 564.9/1

-3.133 ± 0.346 χ^2/NDF : 1742.8/19

0.365 ± 0.254 χ^2/NDF : 3878.9/41

4.414 ± 0.373 χ^2/NDF : 1916.0/21

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039+/-0.746 χ^2/NDF : 1709.5/16

Left Out: -62.936+/-0.783 χ^2/NDF : 176.2/2

Right Out: 60.593+/-0.704 χ^2/NDF : 1390.7/19

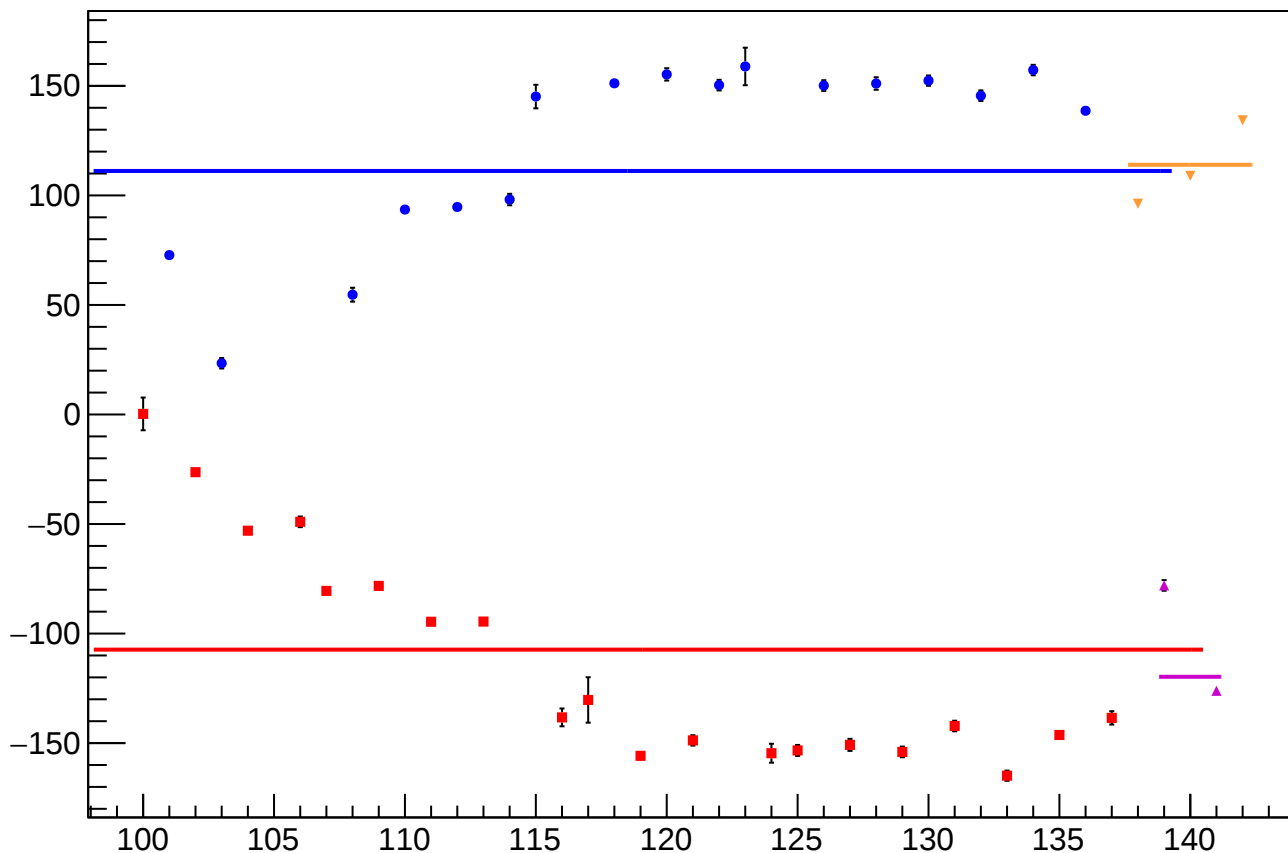
Left In: 86.704+/-0.932 χ^2/NDF : 86.3/1

-60.893+/-0.540 χ^2/NDF : 1898.7/19

2.031+/-0.389 χ^2/NDF : 32145.8/41

70.075+/-0.561 χ^2/NDF : 1977.3/21

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 +/- 0.489 χ^2/NDF : 5877.6/16

Left Out: 113.979 +/- 0.700 χ^2/NDF : 397.6/2

Right Out: -107.334 +/- 0.487 χ^2/NDF : 7060.0/19

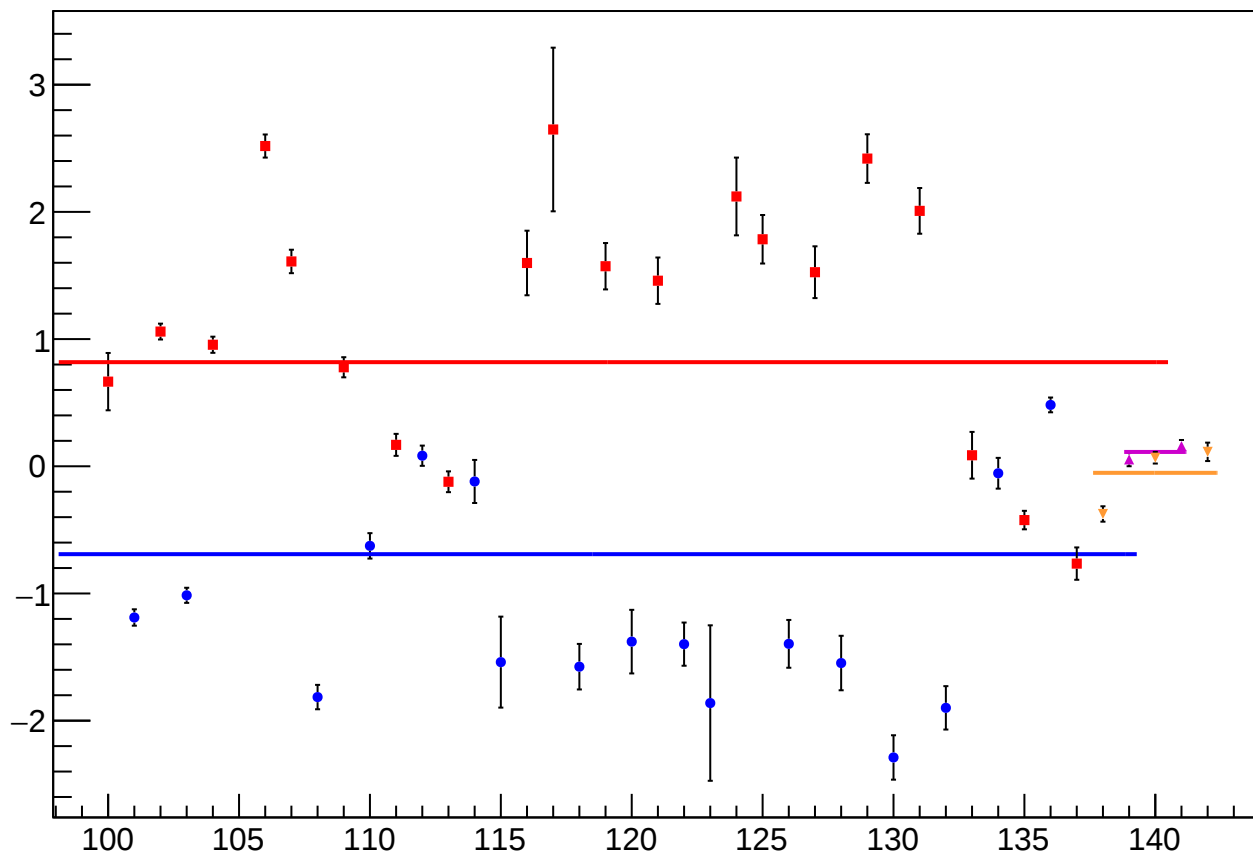
Left In: -119.729 +/- 0.887 χ^2/NDF : 338.8/1

112.084 +/- 0.401 χ^2/NDF : 6286.0/19

7.955 +/- 0.292 χ^2/NDF : 157870.4/41

-110.205 +/- 0.427 χ^2/NDF : 7548.7/21

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

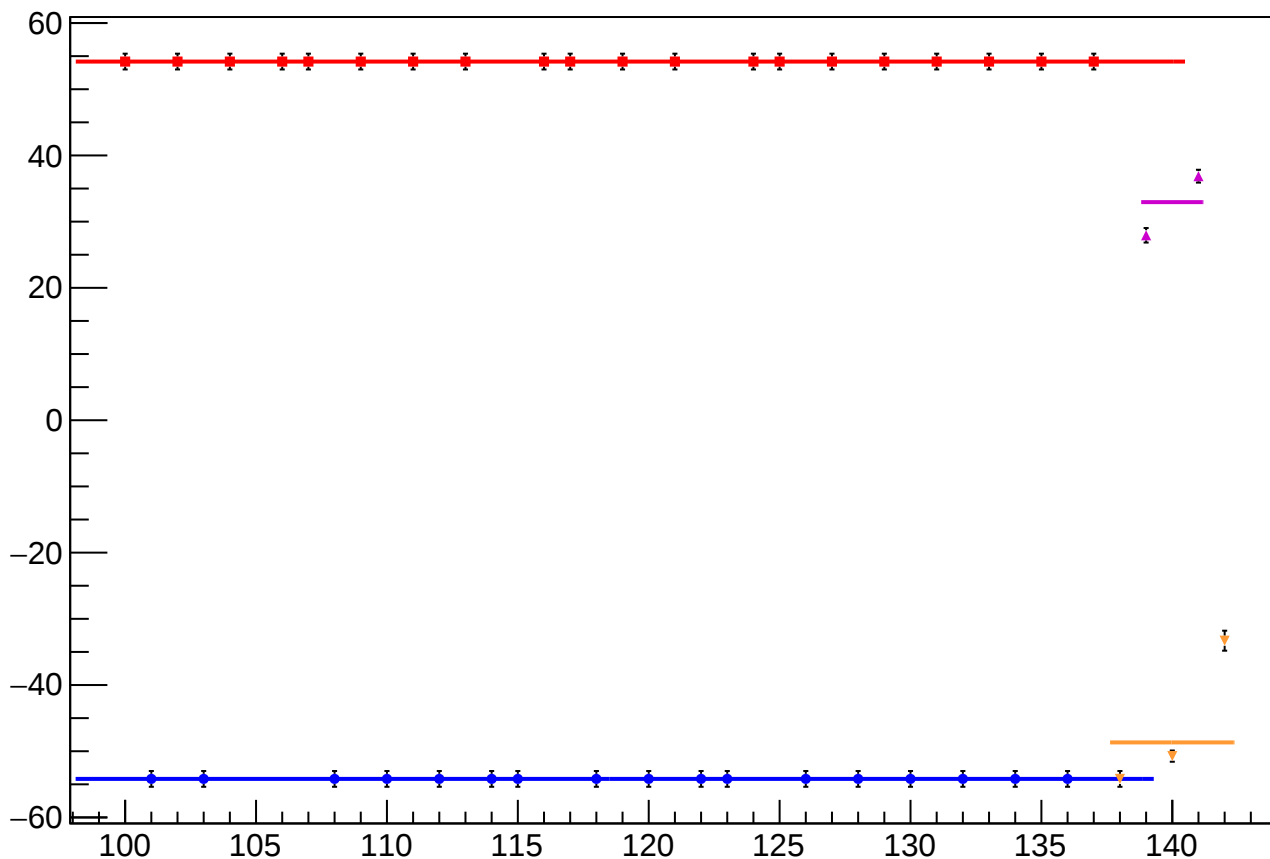
Left In: 0.113 ± 0.036 χ^2/NDF : 2.1/1

-0.445 ± 0.020 χ^2/NDF : 1267.7/19

0.078 ± 0.014 χ^2/NDF : 4174.8/41

0.594 ± 0.020 χ^2/NDF : 1581.7/21

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -54.179 ± 0.289 χ^2/NDF : 0.0/16

Left Out: -48.669 ± 0.629 χ^2/NDF : 130.7/2

Right Out: 54.179 ± 0.267 χ^2/NDF : 0.0/19

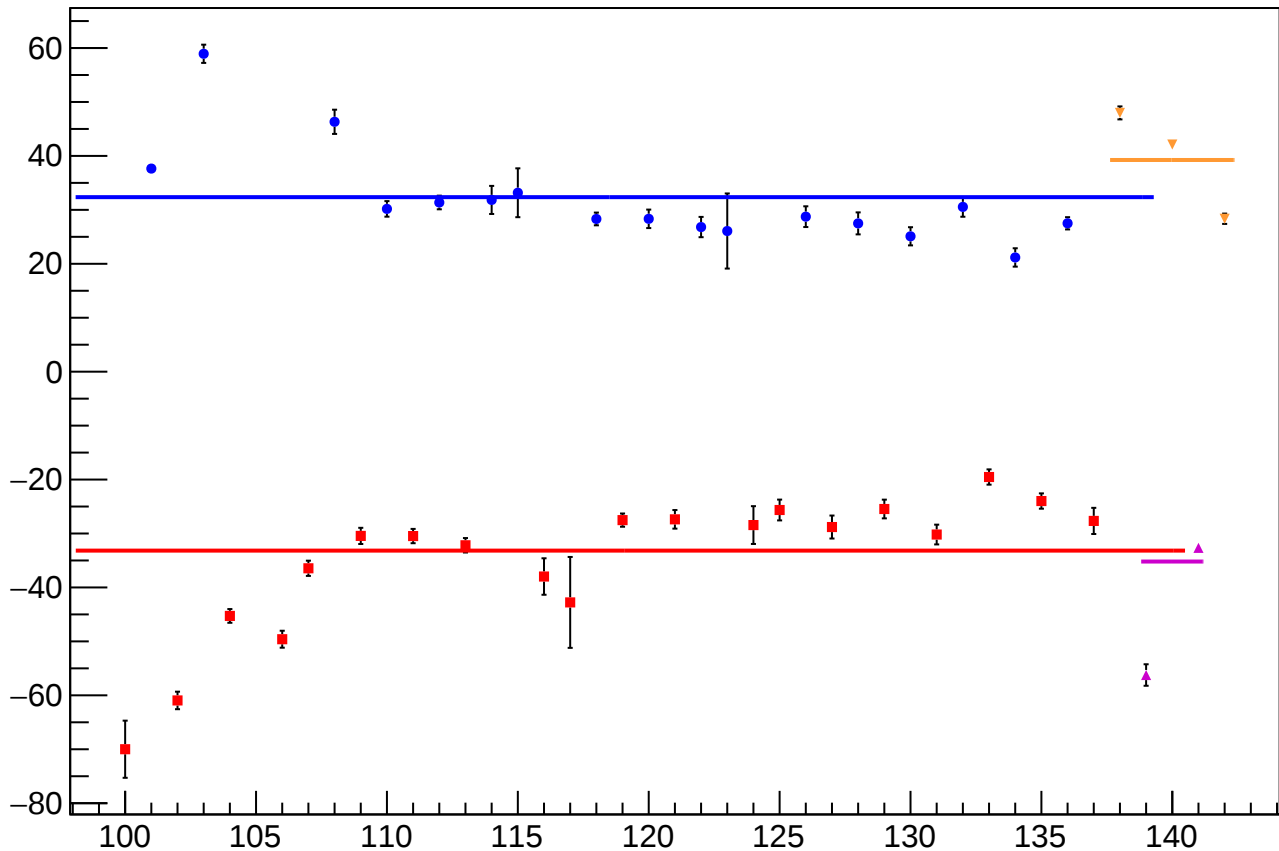
Left In: 32.947 ± 0.727 χ^2/NDF : 37.1/1

-53.217 ± 0.263 χ^2/NDF : 194.0/19

1.762 ± 0.181 χ^2/NDF : 84344.9/41

51.659 ± 0.251 χ^2/NDF : 788.3/21

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 39.245 ± 0.510 $\chi^2/\text{NDF}: 199.1/2$

Right Out: -33.172 ± 0.378 $\chi^2/\text{NDF}: 773.3/19$

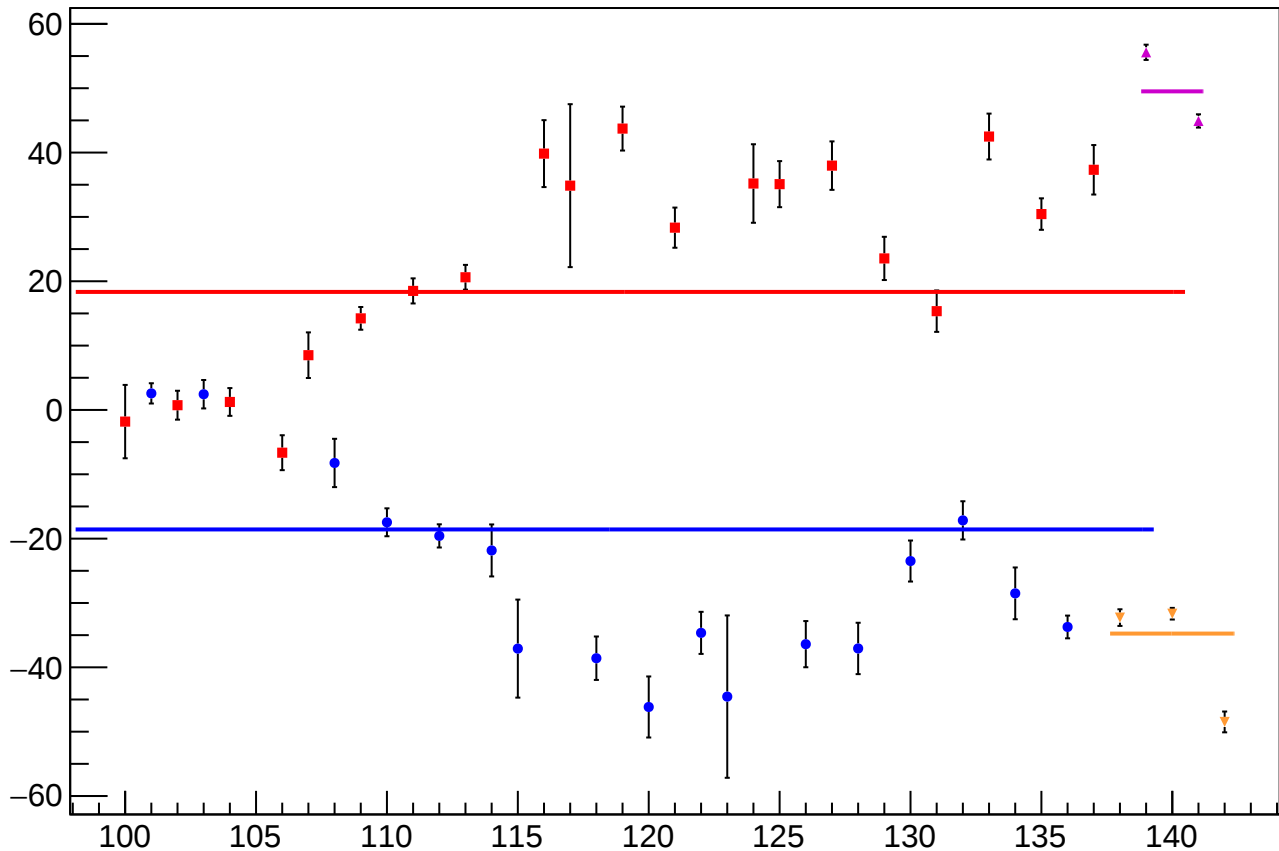
Left In: -35.198 ± 0.654 $\chi^2/\text{NDF}: 124.8/1$

34.774 ± 0.302 $\chi^2/\text{NDF}: 767.9/19$

3.279 ± 0.222 $\chi^2/\text{NDF}: 25244.0/41$

-33.679 ± 0.328 $\chi^2/\text{NDF}: 905.2/21$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

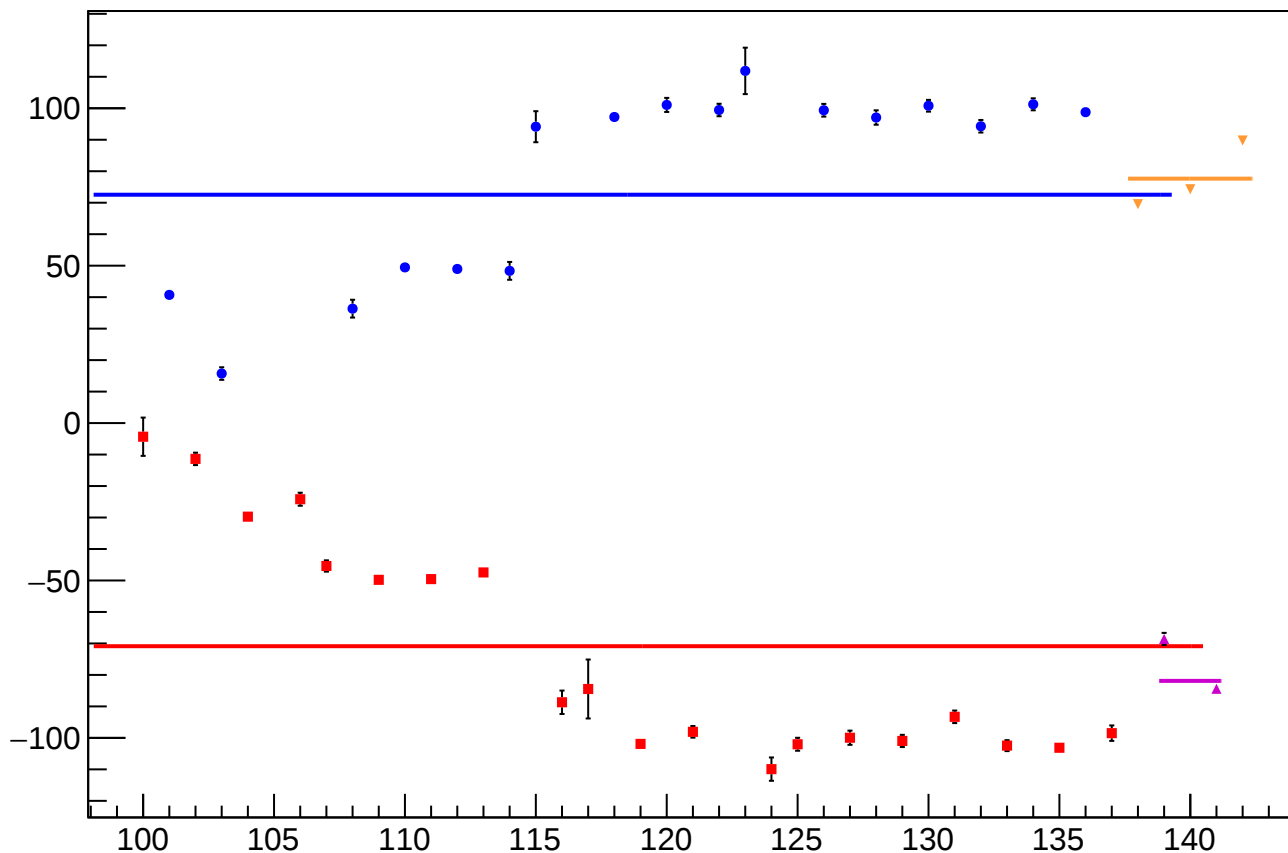
Left In: 49.511 ± 0.779 χ^2/NDF : 46.0/1

-26.581 ± 0.474 χ^2/NDF : 889.8/19

0.922 ± 0.343 χ^2/NDF : 9397.5/41

30.974 ± 0.496 χ^2/NDF : 1473.3/21

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

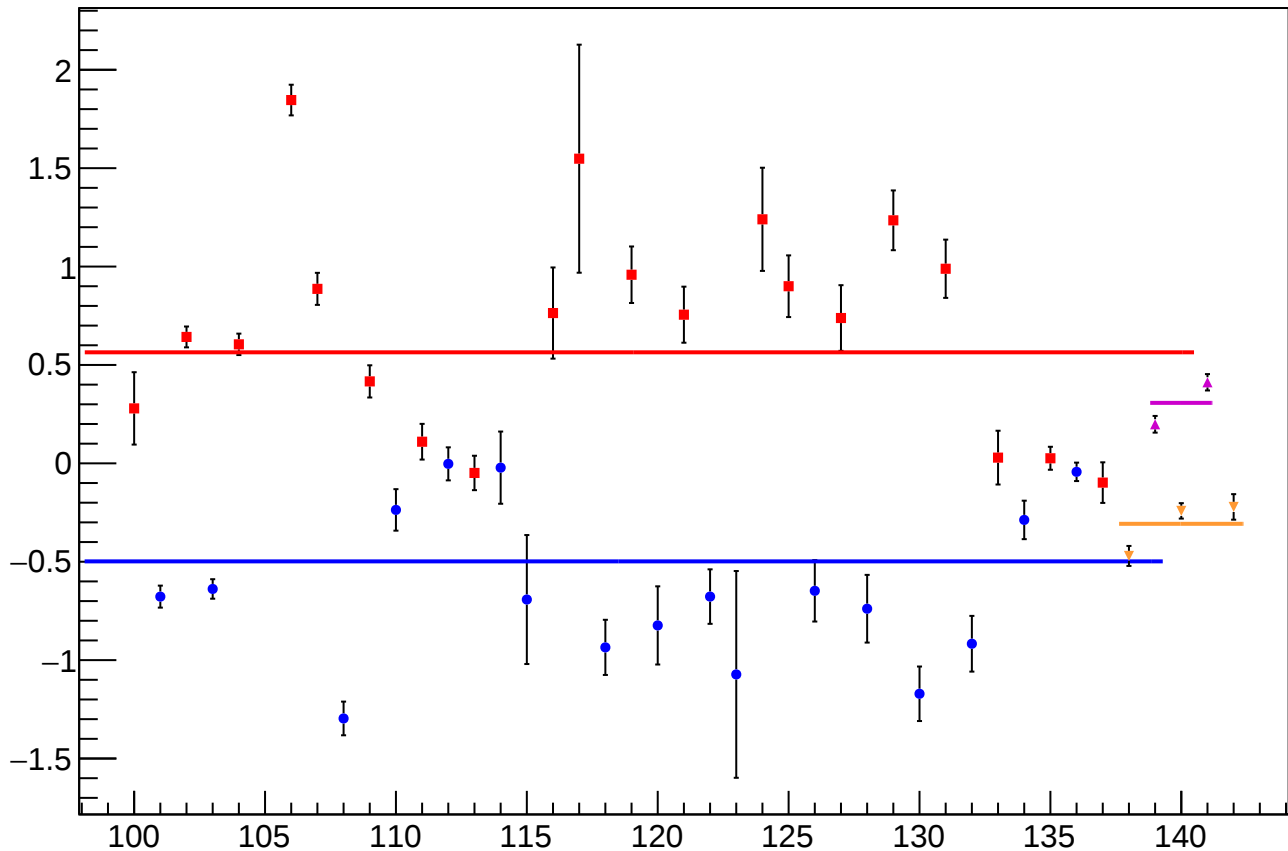
Left In: -81.893+/-0.764 χ^2/NDF :57.2/1

74.224+/-0.351 χ^2/NDF : 4891.5/19

5.624+/-0.257 χ^2/NDF : 93125.8/41

-73.553+/-0.377 χ^2/NDF : 5716.9/21

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

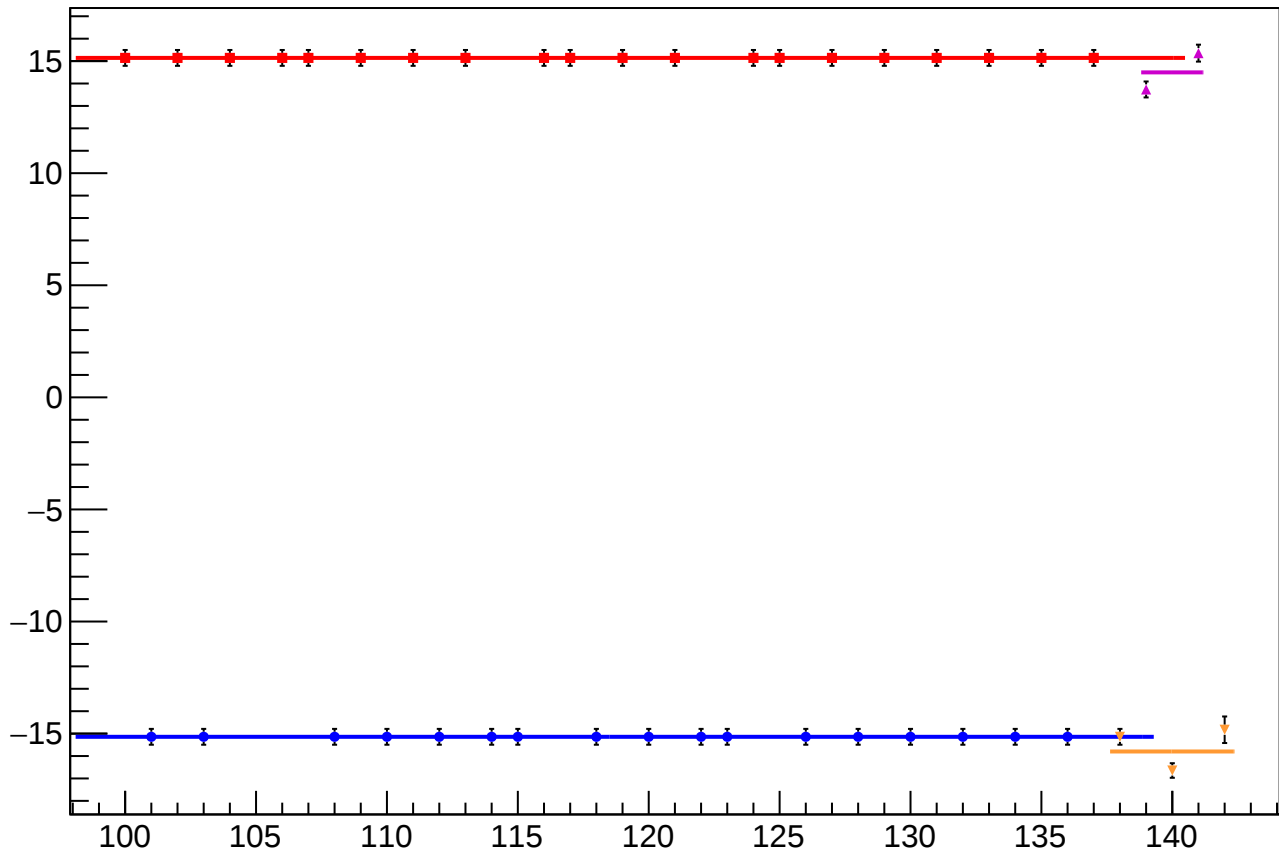
Left In: 0.307 ± 0.030 χ^2/NDF : 12.9/1

-0.424 ± 0.017 χ^2/NDF : 346.0/19

0.029 ± 0.012 χ^2/NDF : 2307.7/41

0.476 ± 0.017 χ^2/NDF : 625.8/21

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

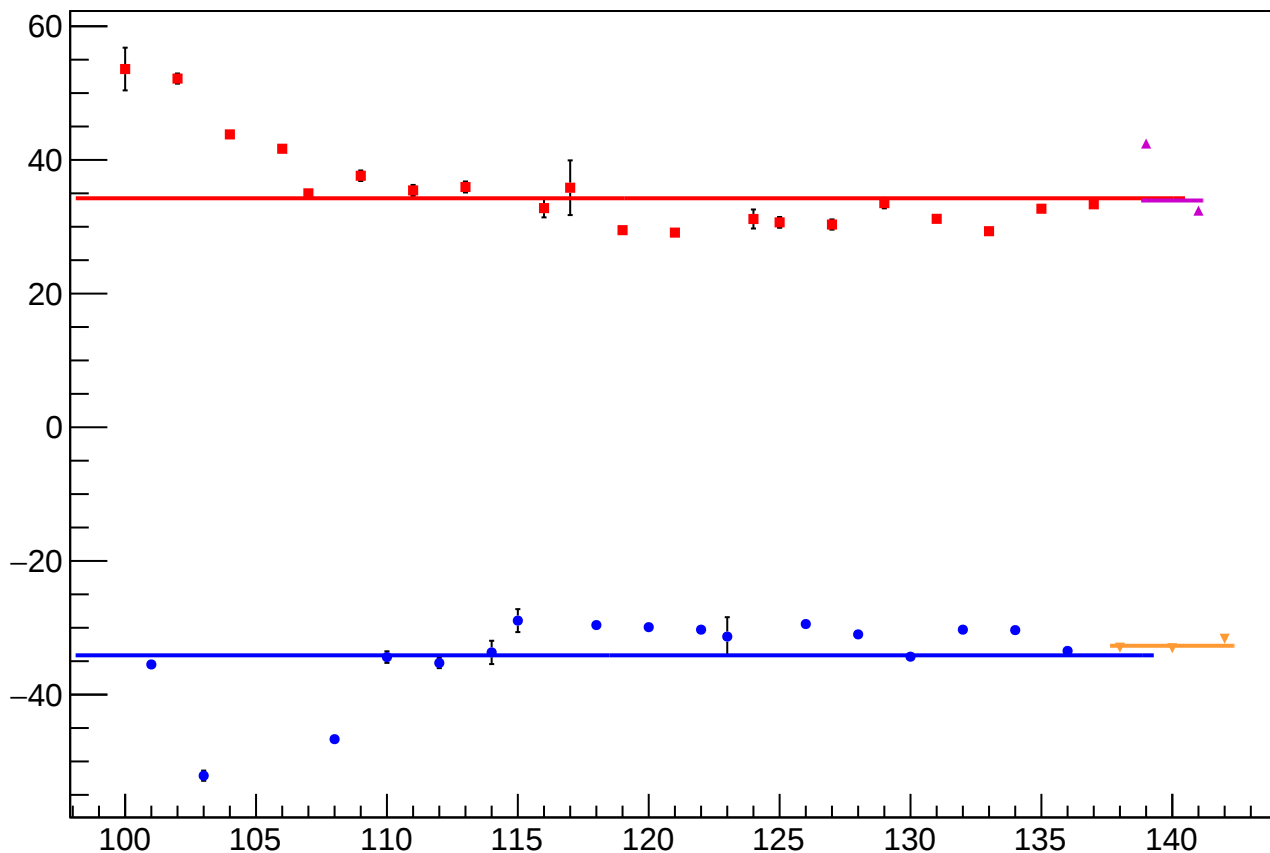
Left In: 14.496 $\pm$ 0.259 χ^2/NDF : 9.7/1

-15.227 $\pm$ 0.080 χ^2/NDF : 20.5/19

0.782 $\pm$ 0.055 χ^2/NDF : 75922.4/41

15.087 $\pm$ 0.076 χ^2/NDF : 15.4/21

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -32.691 ± 0.187 $\chi^2/\text{NDF}: 10.4/2$

Right Out: 34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

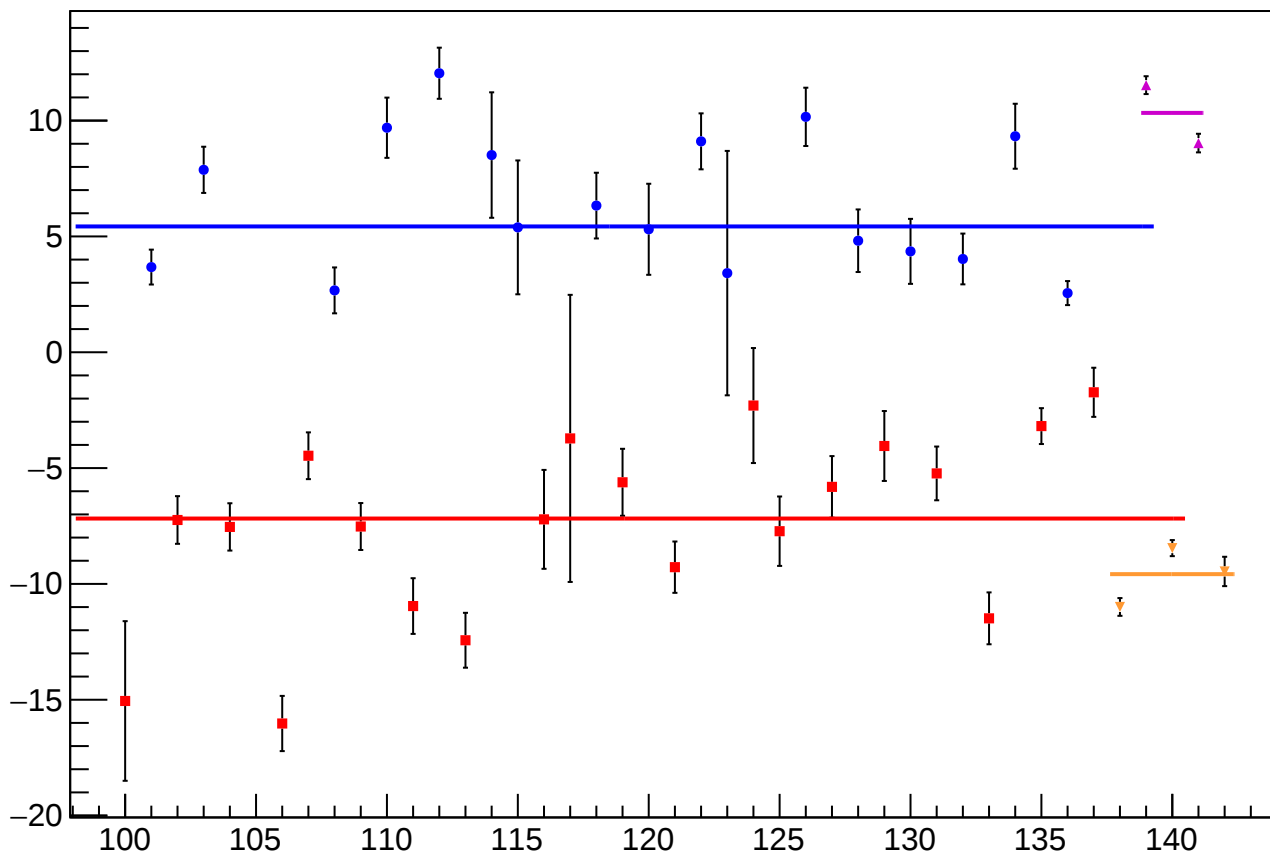
Left In: 33.930 ± 0.249 $\chi^2/\text{NDF}: 208.7/1$

-33.553 ± 0.118 $\chi^2/\text{NDF}: 1368.1/19$

-2.726 ± 0.087 $\chi^2/\text{NDF}: 153304.5/41$

34.173 ± 0.129 $\chi^2/\text{NDF}: 1565.1/21$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

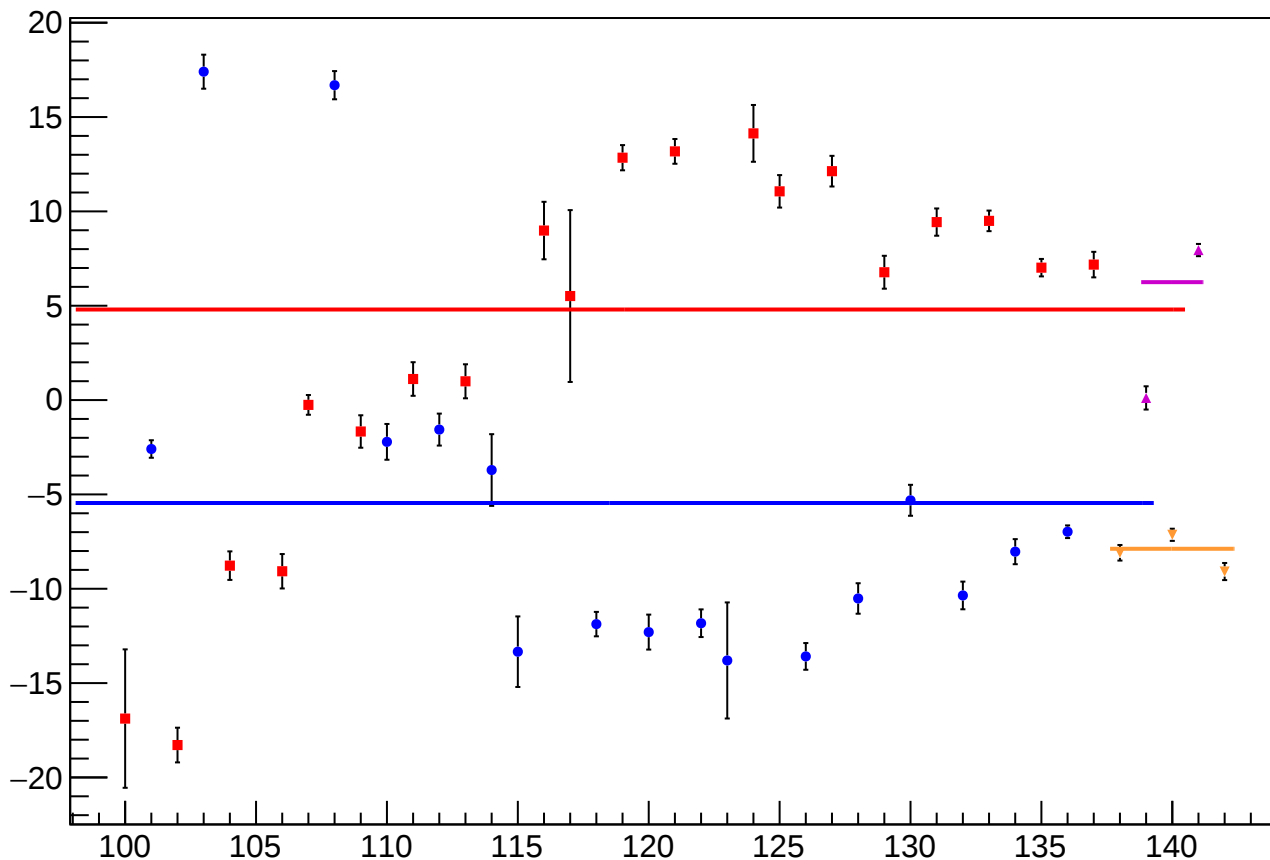
Left In: 10.332 ± 0.278 χ^2/NDF : 20.2/1

-3.018 ± 0.179 χ^2/NDF : 1890.7/19

-0.979 ± 0.132 χ^2/NDF : 4389.3/41

1.454 ± 0.195 χ^2/NDF : 2213.3/21

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

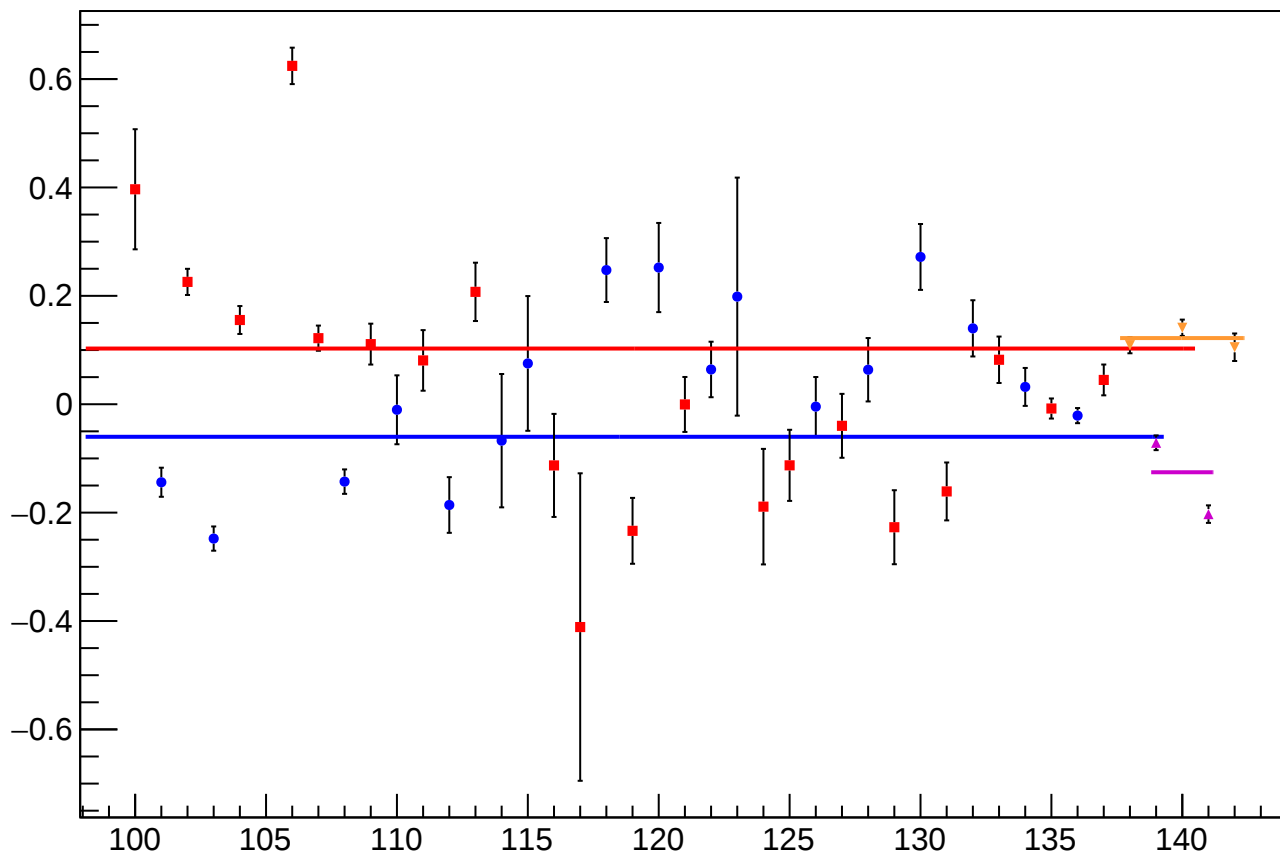
Left In: 6.249+/-0.287 χ^2/NDF : 126.6/1

-6.358+/-0.135 χ^2/NDF : 2184.2/19

-1.103+/-0.100 χ^2/NDF : 7688.3/41

5.185+/-0.148 χ^2/NDF : 2192.8/21

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

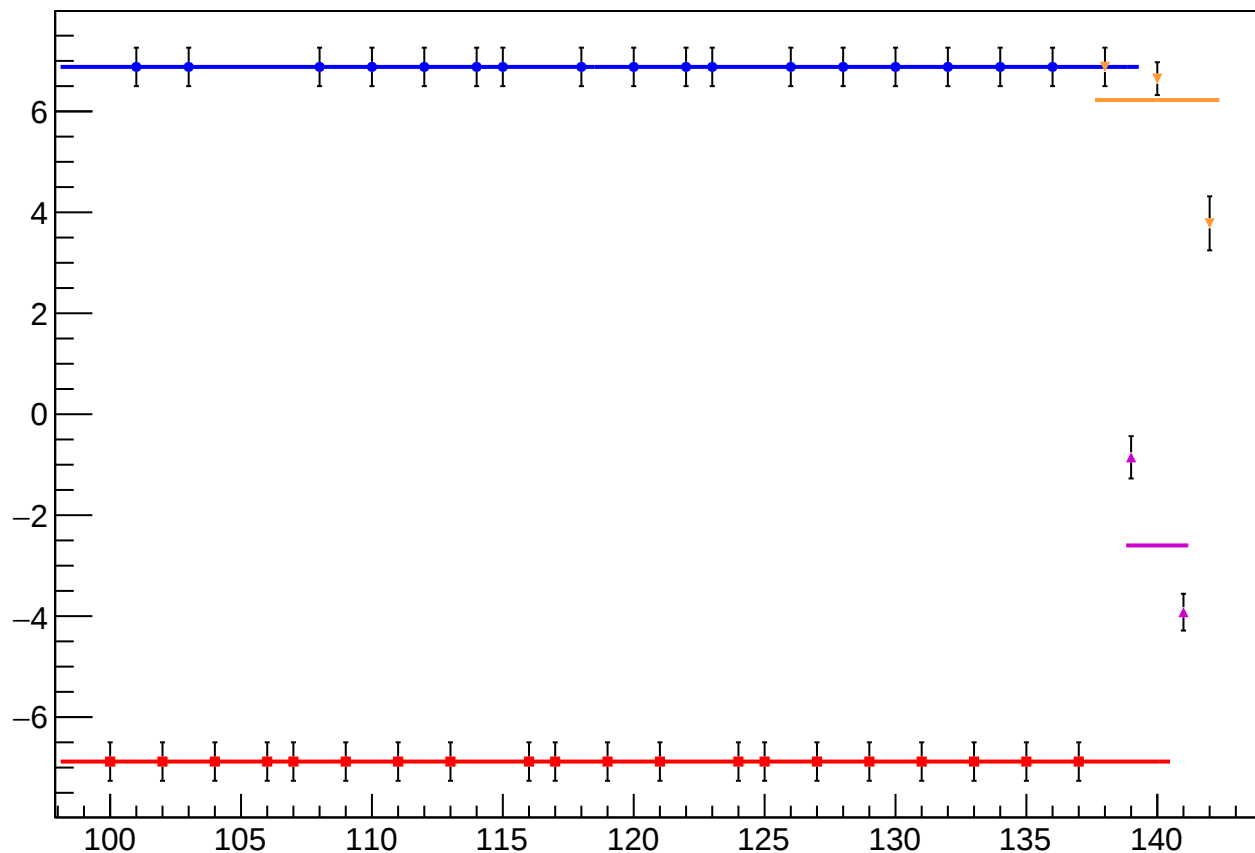
Left In: -0.126 ± 0.010 χ^2/NDF : 38.8/1

0.017 ± 0.006 χ^2/NDF : 417.4/19

0.015 ± 0.005 χ^2/NDF : 1184.5/41

0.012 ± 0.007 χ^2/NDF : 766.7/21

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.881 ± 0.092 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 6.224 ± 0.225 $\chi^2/\text{NDF}: 25.5/2$

Right Out: -6.881 ± 0.085 $\chi^2/\text{NDF}: 0.0/19$

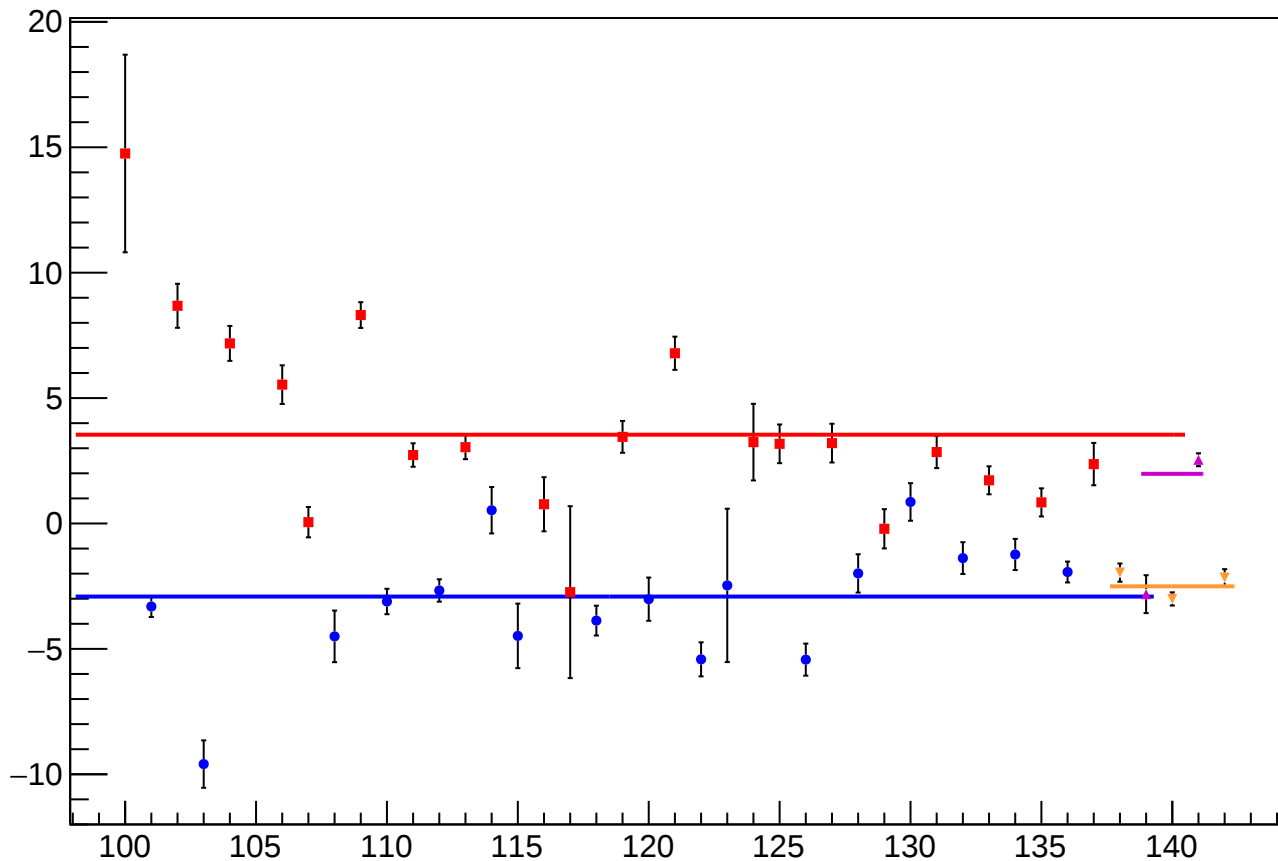
Left In: -2.599 ± 0.275 $\chi^2/\text{NDF}: 30.5/1$

6.786 ± 0.085 $\chi^2/\text{NDF}: 32.8/19$

-0.184 ± 0.059 $\chi^2/\text{NDF}: 12968.7/41$

-6.506 ± 0.081 $\chi^2/\text{NDF}: 251.6/21$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 $\chi^2/\text{NDF}: 146.1/16$

Left Out: -2.506 ± 0.180 $\chi^2/\text{NDF}: 7.0/2$

Right Out: 3.540 ± 0.154 $\chi^2/\text{NDF}: 294.2/19$

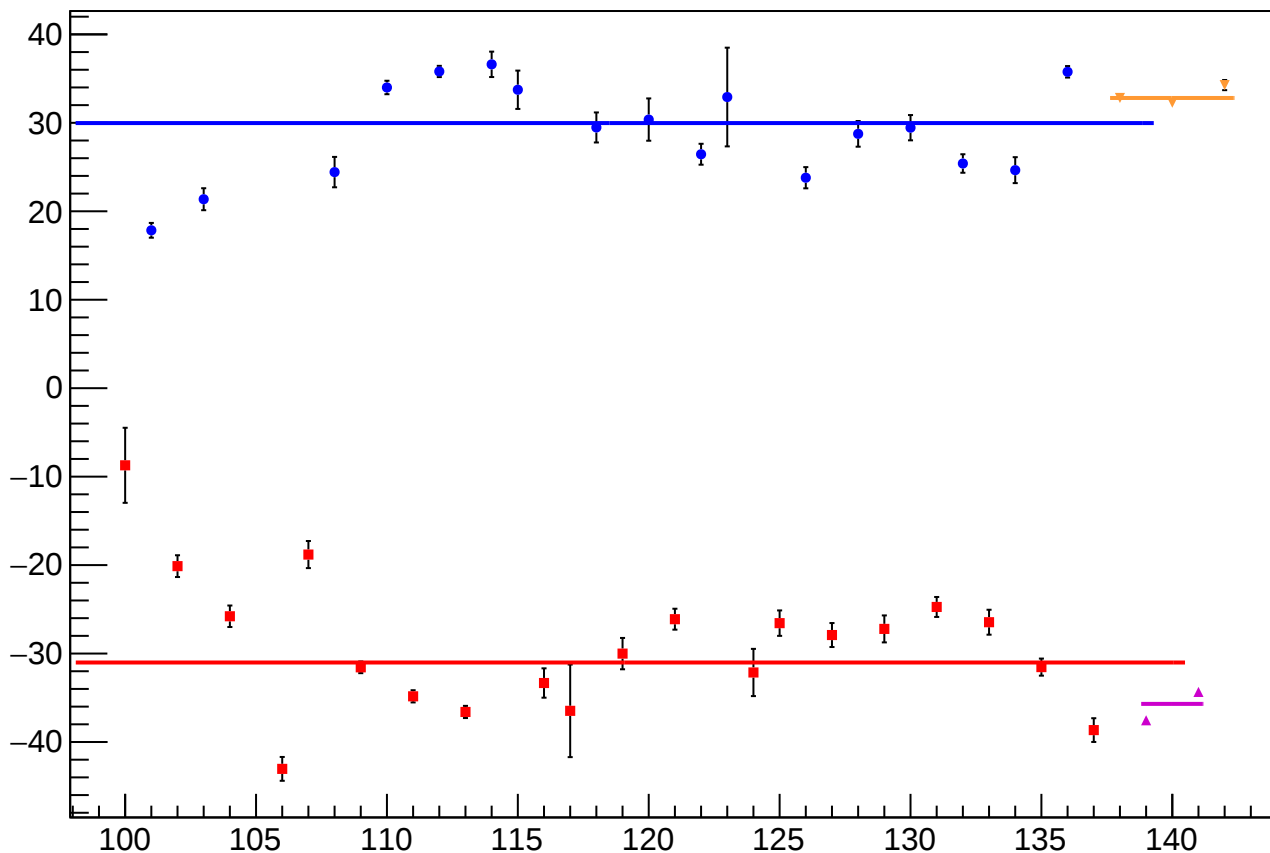
Left In: 1.979 ± 0.244 $\chi^2/\text{NDF}: 45.1/1$

-2.741 ± 0.117 $\chi^2/\text{NDF}: 156.0/19$

-0.130 ± 0.087 $\chi^2/\text{NDF}: 1628.2/41$

3.095 ± 0.131 $\chi^2/\text{NDF}: 368.4/21$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 χ^2/NDF : 554.3/16

Left Out: 32.810 ± 0.241 χ^2/NDF : 8.9/2

Right Out: -31.013 ± 0.260 χ^2/NDF : 480.6/19

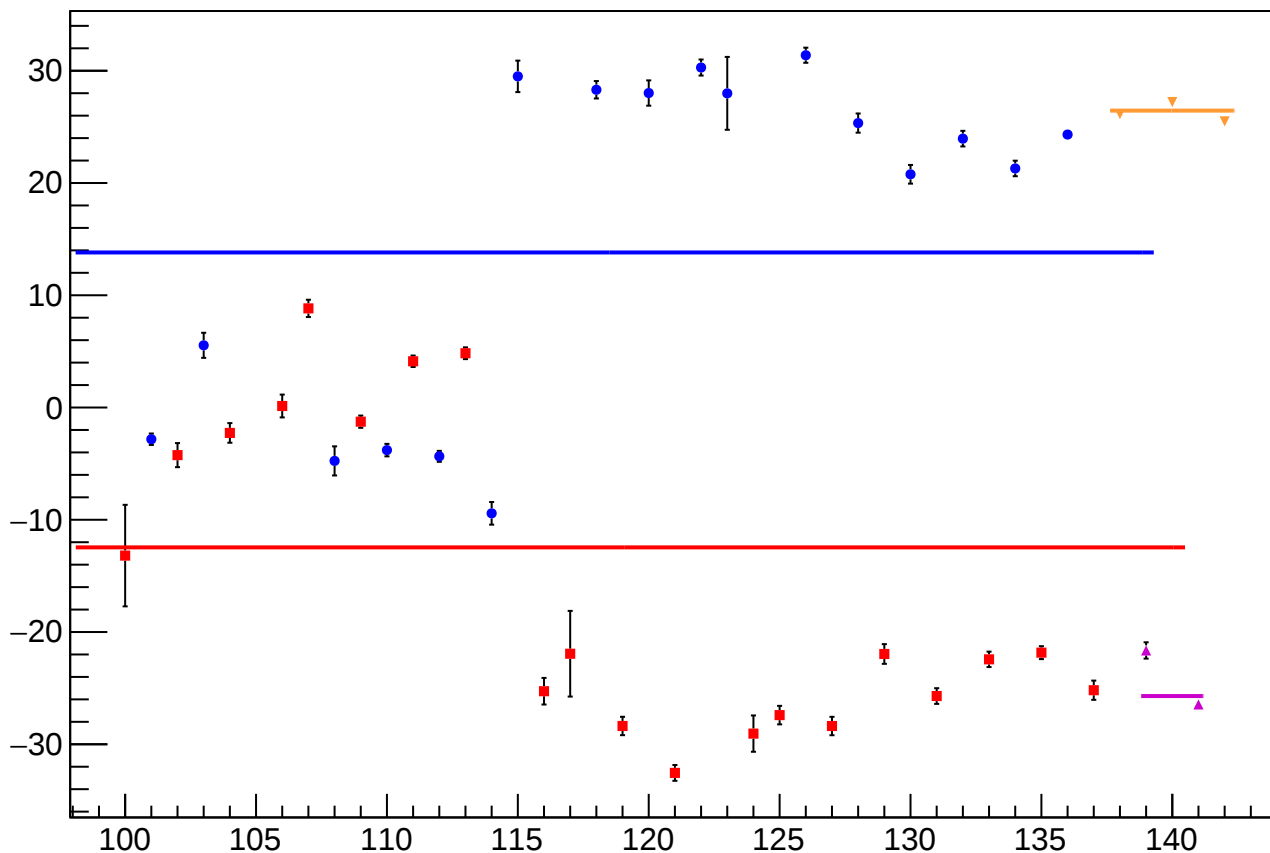
Left In: -35.691 ± 0.295 χ^2/NDF : 28.9/1

31.539 ± 0.179 χ^2/NDF : 625.4/19

1.998 ± 0.132 χ^2/NDF : 60908.3/41

-33.058 ± 0.195 χ^2/NDF : 651.3/21

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

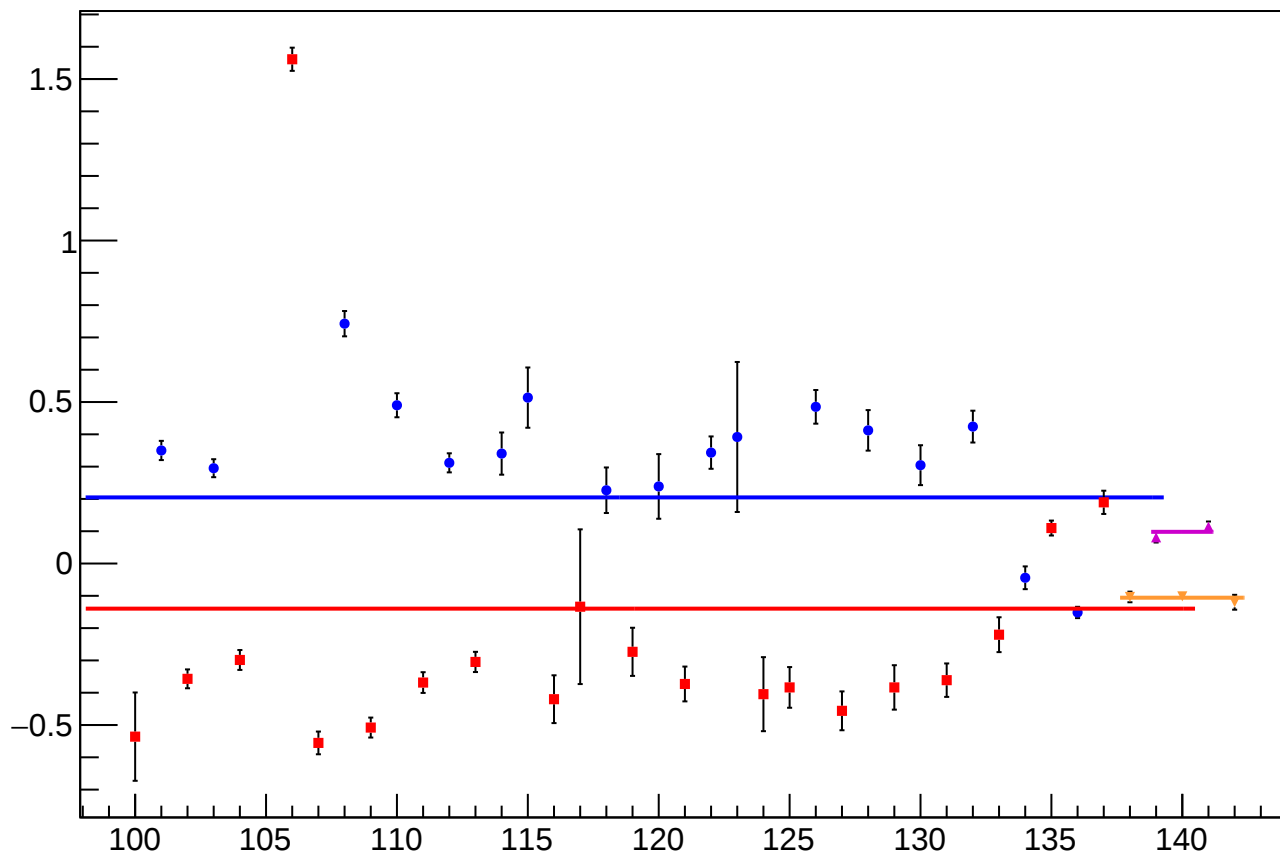
Left In: -25.704+/-0.287 χ^2/NDF : 36.9/1

18.735+/-0.135 χ^2/NDF : 9416.2/19

3.017+/-0.100 χ^2/NDF : 47998.6/41

-16.013+/-0.148 χ^2/NDF : 8576.0/21

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.106 ± 0.010 χ^2/NDF : 0.5/2

Right Out: -0.140 ± 0.009 χ^2/NDF : 3014.2/19

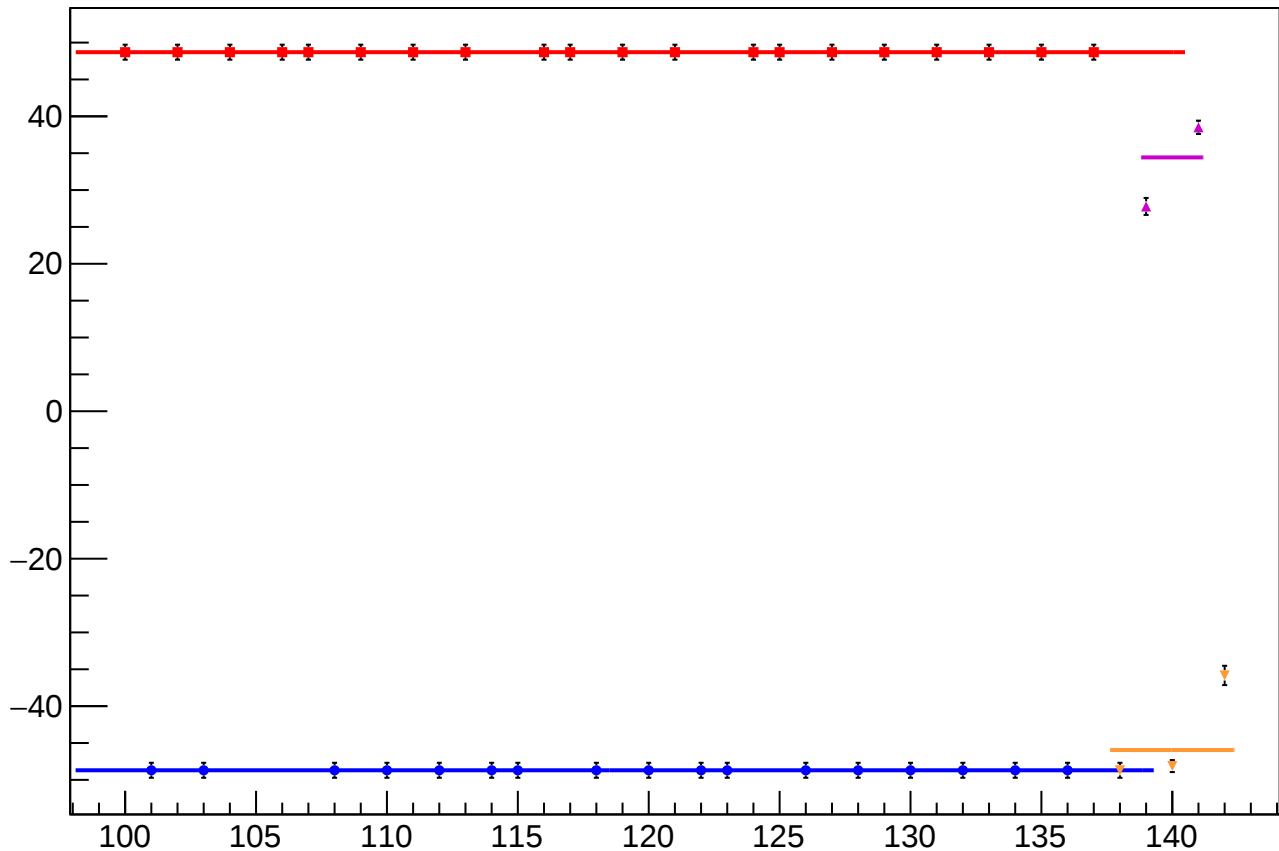
Left In: 0.098 ± 0.011 χ^2/NDF : 2.2/1

0.060 ± 0.007 χ^2/NDF : 1359.3/19

0.010 ± 0.005 χ^2/NDF : 4754.5/41

-0.044 ± 0.007 χ^2/NDF : 3285.3/21

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -48.699 ± 0.247 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -45.954 ± 0.573 $\chi^2/\text{NDF}: 74.1/2$

Right Out: 48.699 ± 0.228 $\chi^2/\text{NDF}: 0.0/19$

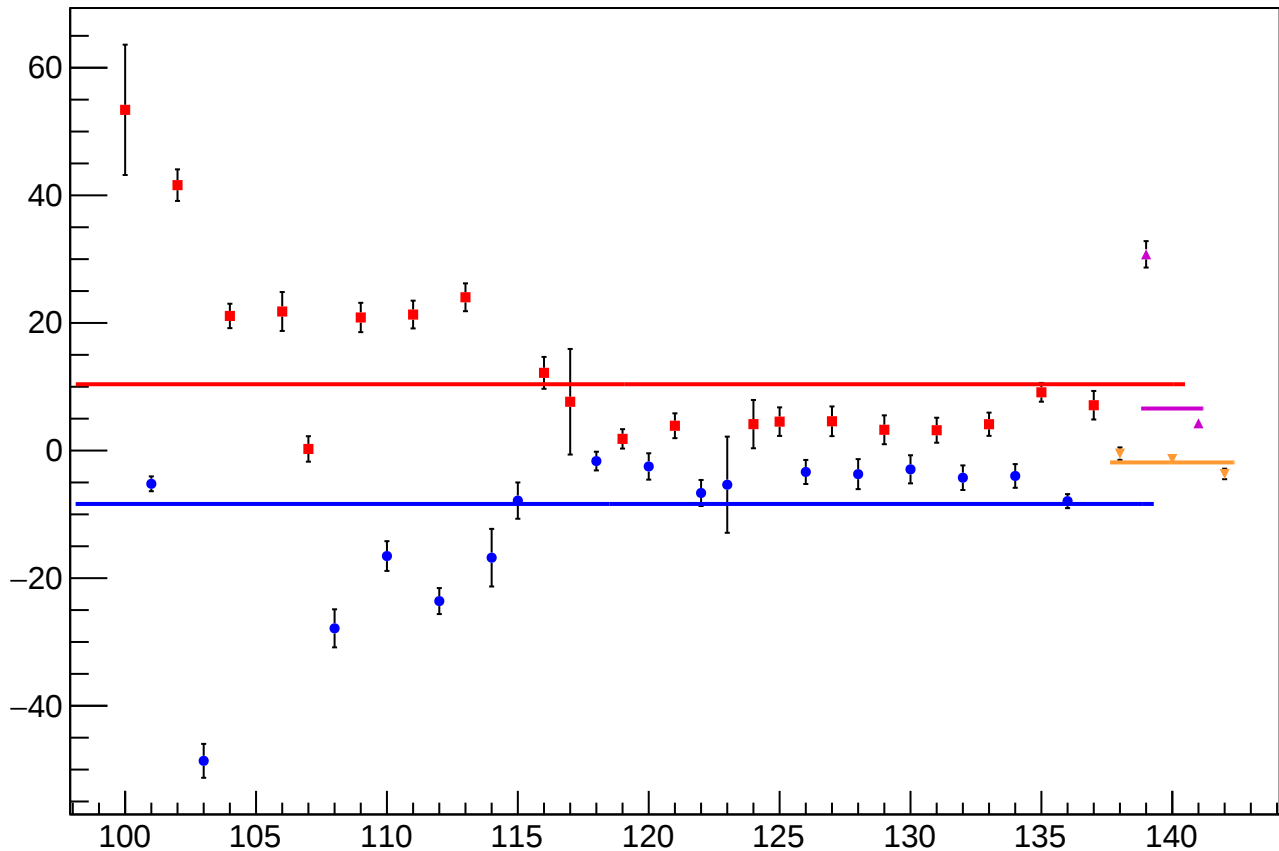
Left In: 34.426 ± 0.711 $\chi^2/\text{NDF}: 53.7/1$

-48.269 ± 0.227 $\chi^2/\text{NDF}: 93.5/19$

1.690 ± 0.157 $\chi^2/\text{NDF}: 93248.9/41$

47.371 ± 0.217 $\chi^2/\text{NDF}: 418.7/21$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -1.861 ± 0.456 χ^2/NDF : 7.4/2

Right Out: 10.396 ± 0.490 χ^2/NDF : 430.4/19

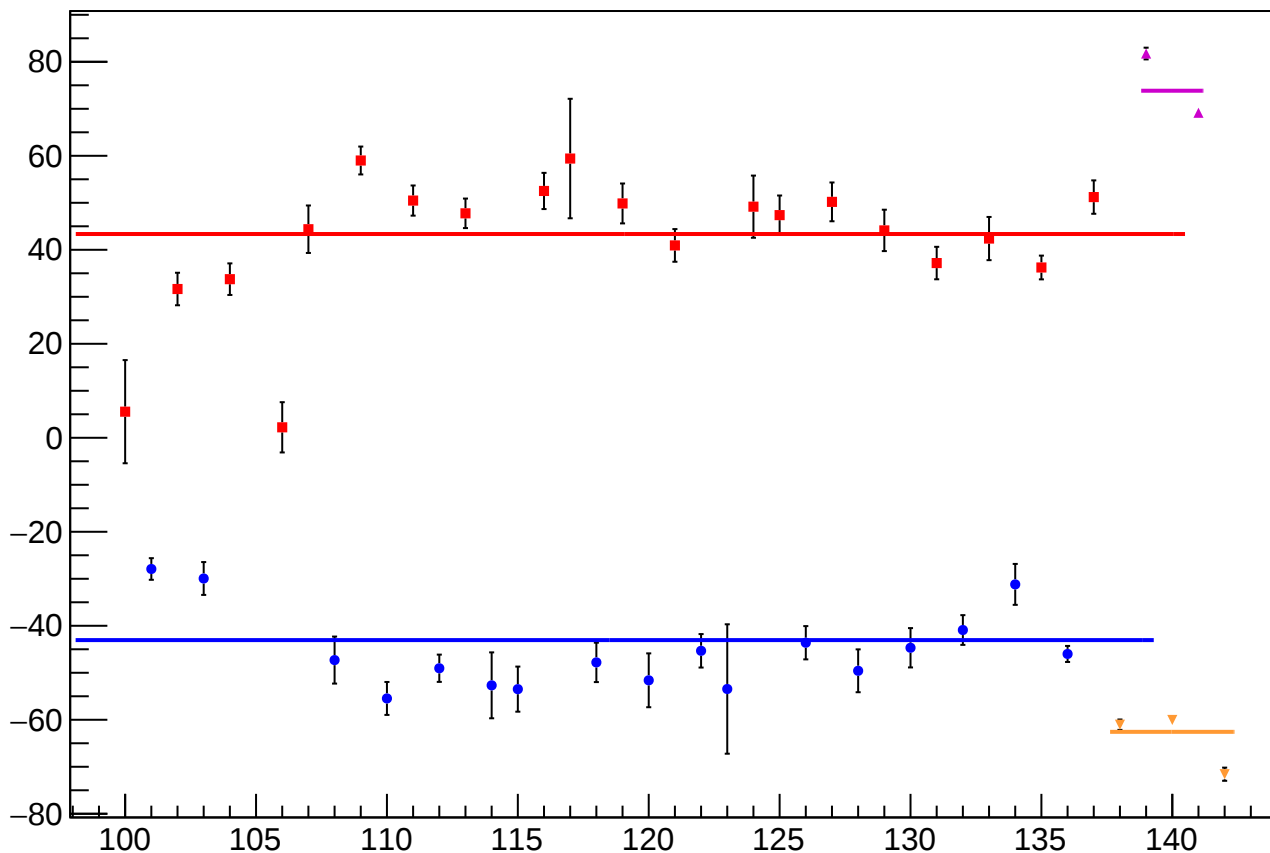
Left In: 6.589 ± 0.612 χ^2/NDF : 149.2/1

-5.046 ± 0.326 χ^2/NDF : 515.7/19

0.824 ± 0.248 χ^2/NDF : 1889.5/41

8.908 ± 0.383 χ^2/NDF : 603.2/21

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 156.0/19$

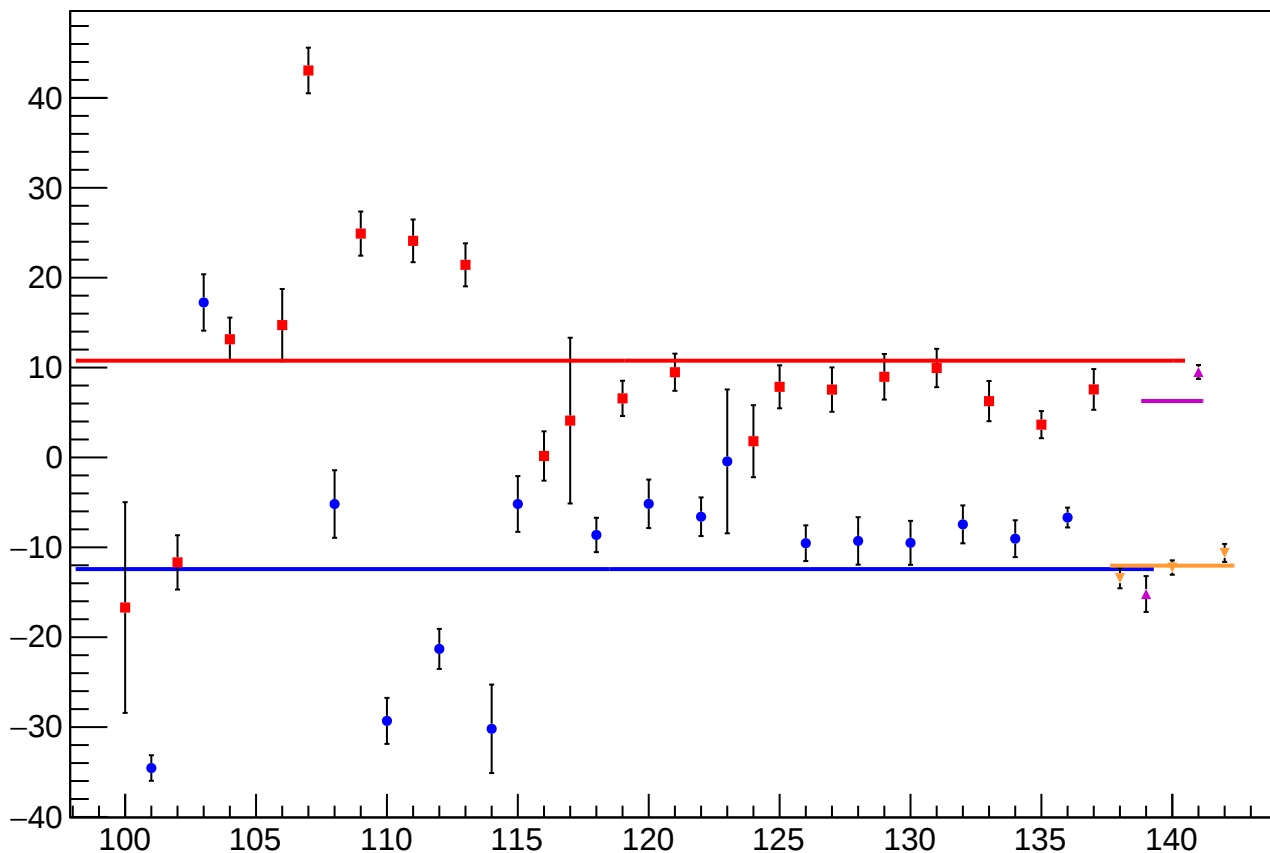
Left In: 73.845 ± 0.762 $\chi^2/\text{NDF}: 63.9/1$

-55.741 ± 0.495 $\chi^2/\text{NDF}: 504.2/19$

-5.914 ± 0.374 $\chi^2/\text{NDF}: 25055.4/41$

60.530 ± 0.572 $\chi^2/\text{NDF}: 919.4/21$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421±/0.523 χ^2/NDF : 474.4/16

Left Out: -12.037±/0.547 χ^2/NDF : 3.6/2

Right Out: 10.766±/0.553 χ^2/NDF : 366.3/19

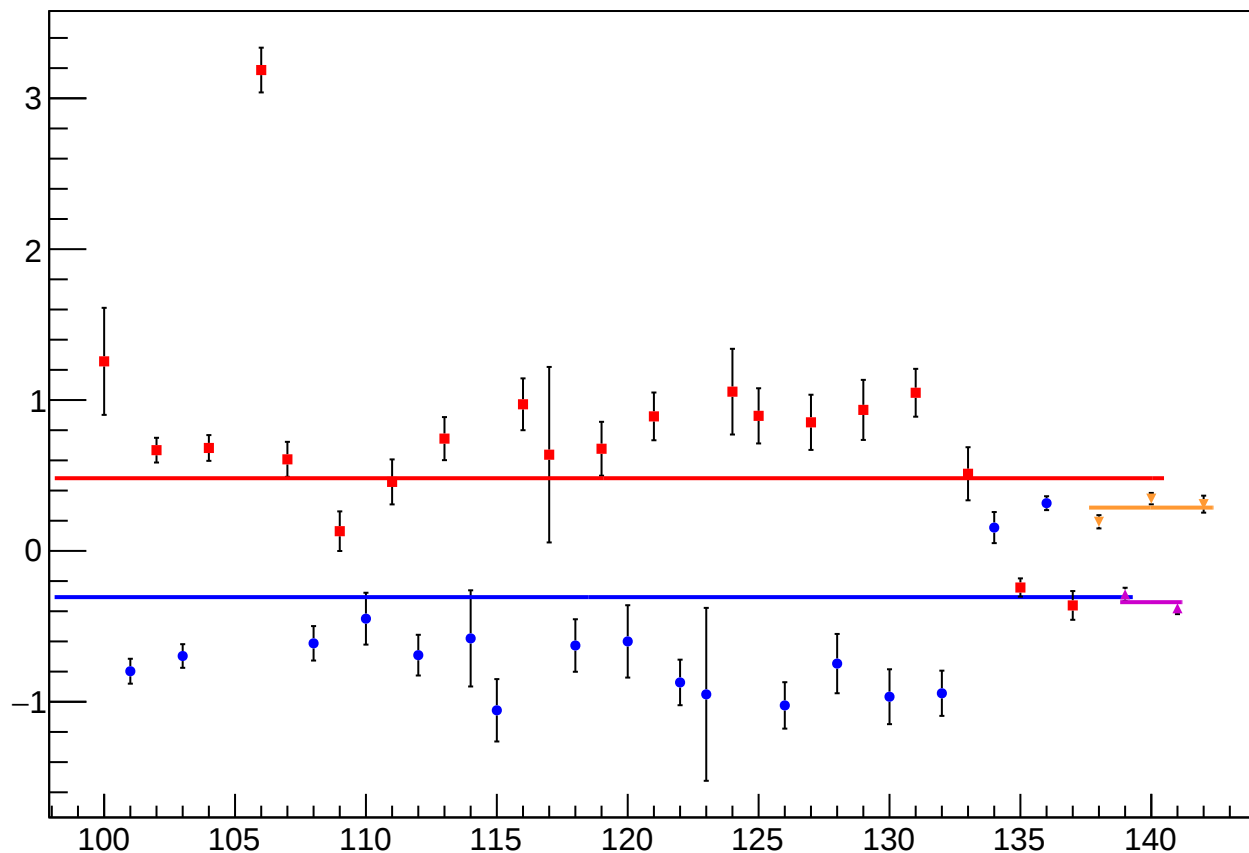
Left In: 6.279±/0.721 χ^2/NDF : 133.5/1

-12.238±/0.378 χ^2/NDF : 478.2/19

-3.140±/0.286 χ^2/NDF : 2360.6/41

9.105±/0.439 χ^2/NDF : 524.3/21

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 $\pm$ 0.028 χ^2/NDF : 371.7/16

Left Out: 0.287 $\pm$ 0.026 χ^2/NDF : 7.2/2

Right Out: 0.482 $\pm$ 0.029 χ^2/NDF : 628.3/19

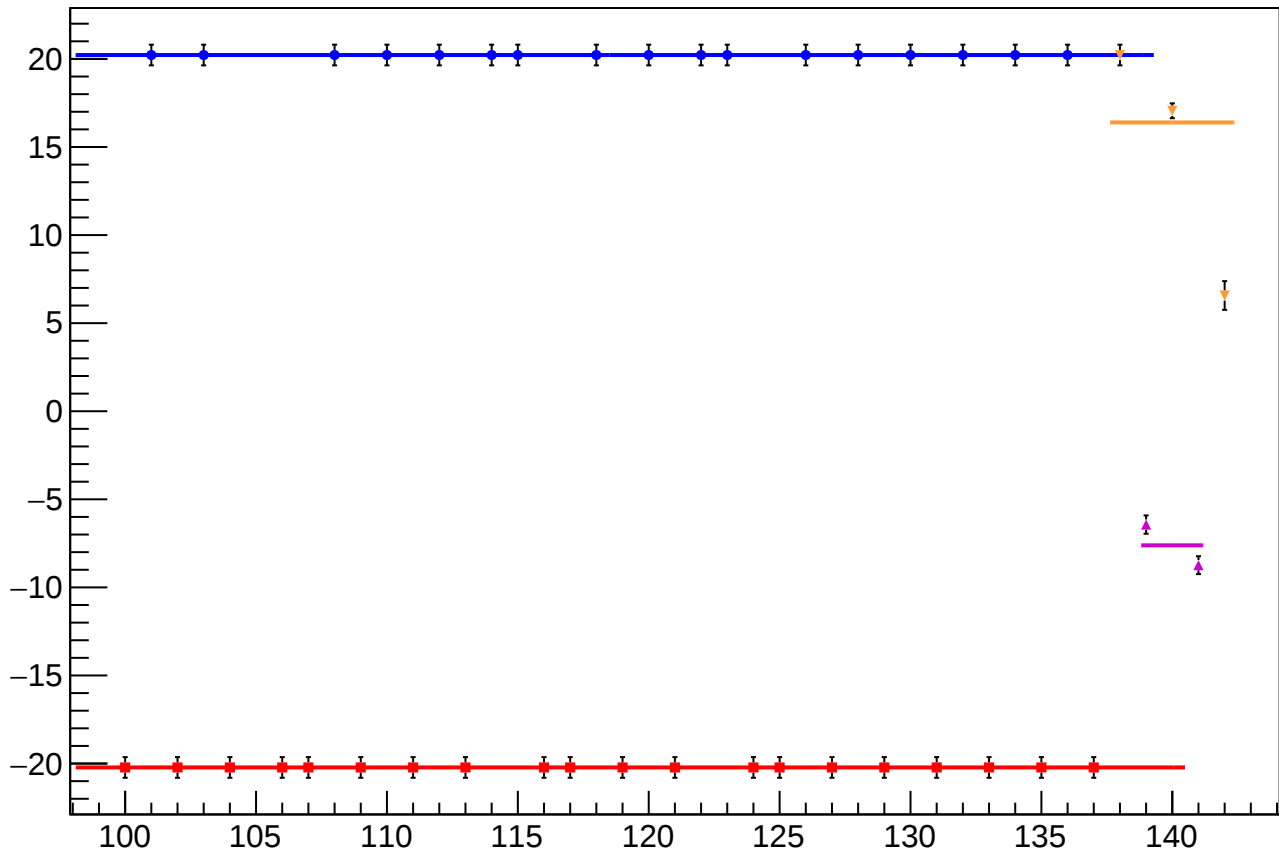
Left In: -0.340 $\pm$ 0.029 χ^2/NDF : 2.5/1

0.012 $\pm$ 0.019 χ^2/NDF : 627.7/19

0.043 $\pm$ 0.014 χ^2/NDF : 1669.9/41

0.079 $\pm$ 0.020 χ^2/NDF : 1036.4/21

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

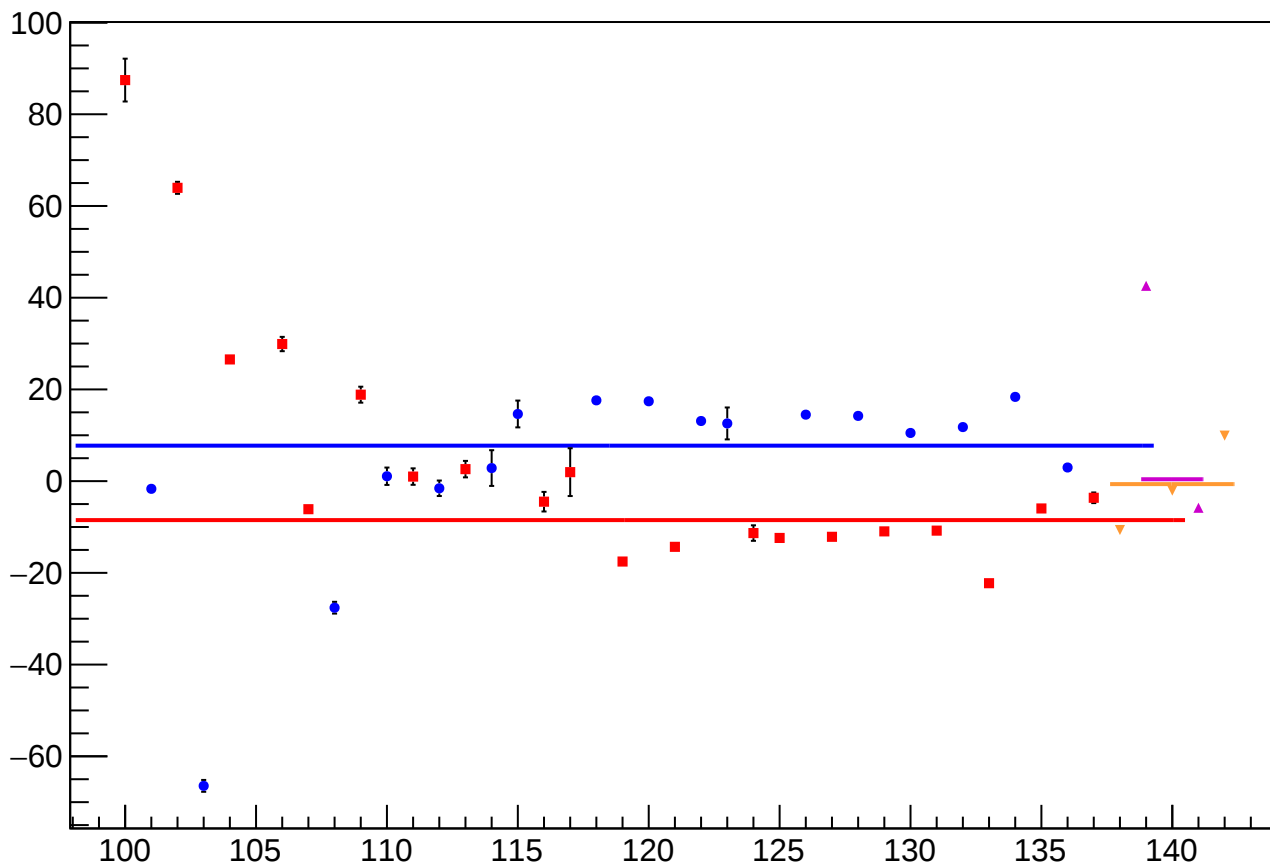
Left In: -7.613 $\pm$ 0.363 χ^2/NDF : 10.1/1

19.574 $\pm$ 0.130 χ^2/NDF : 311.9/19

-0.555 $\pm$ 0.090 χ^2/NDF : 47079.7/41

-18.760 $\pm$ 0.124 χ^2/NDF : 1076.4/21

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

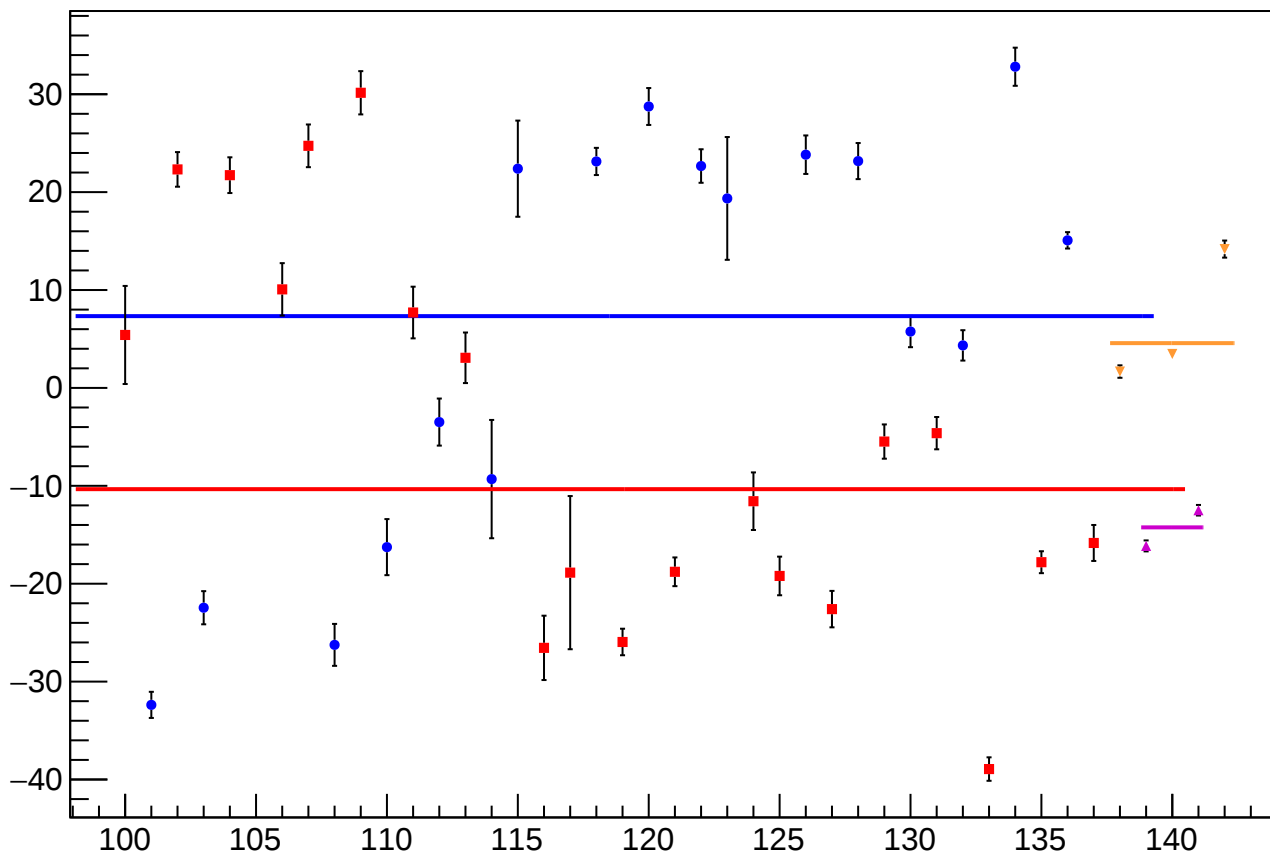
Left In: 0.413 ± 0.339 χ^2/NDF : 2286.8/1

4.279 ± 0.167 χ^2/NDF : 6627.7/19

-0.458 ± 0.123 χ^2/NDF : 17871.0/41

-5.970 ± 0.180 χ^2/NDF : 9506.2/21

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

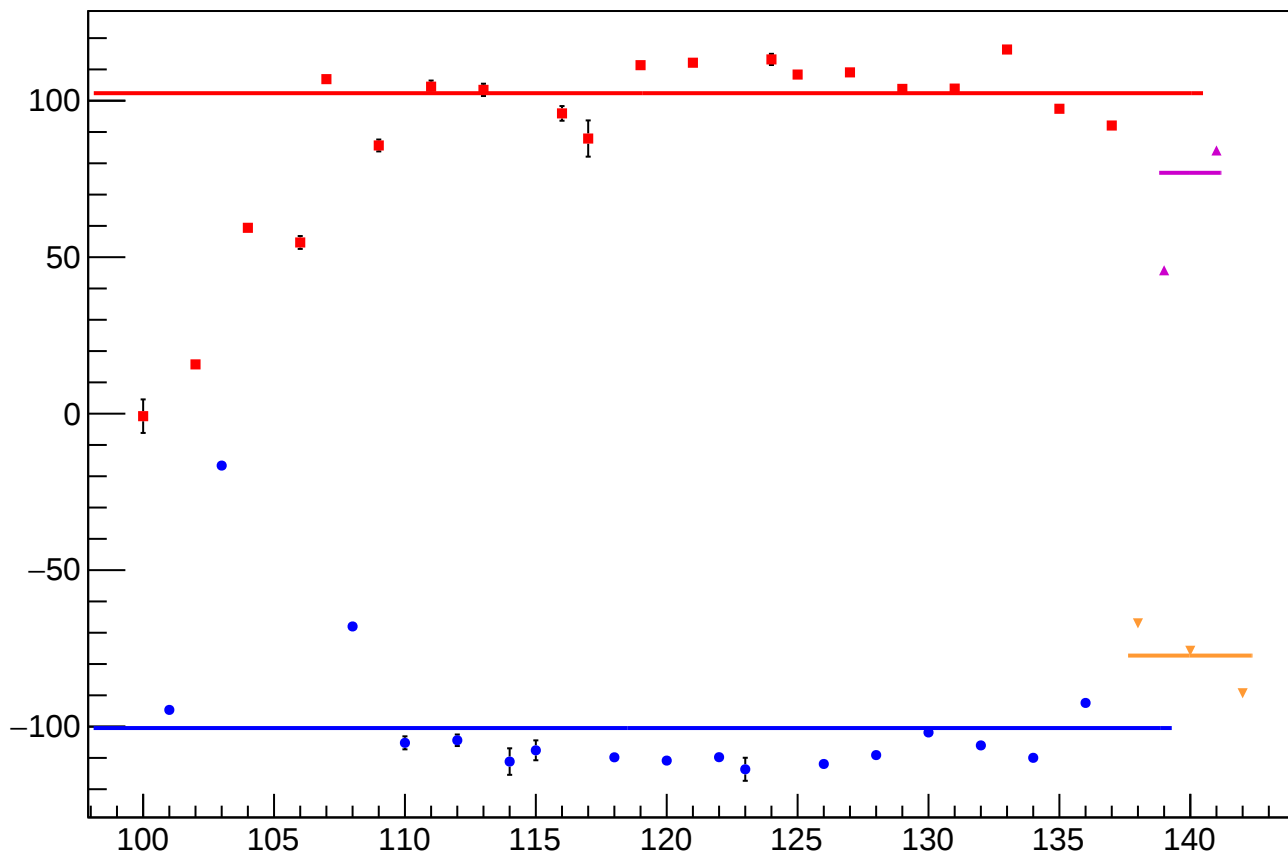
Left In: -14.245+/-0.389 χ^2/NDF : 21.9/1

5.666+/-0.263 χ^2/NDF : 2467.4/19

-2.688+/-0.193 χ^2/NDF : 6999.4/41

-12.425+/-0.284 χ^2/NDF : 2351.6/21

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

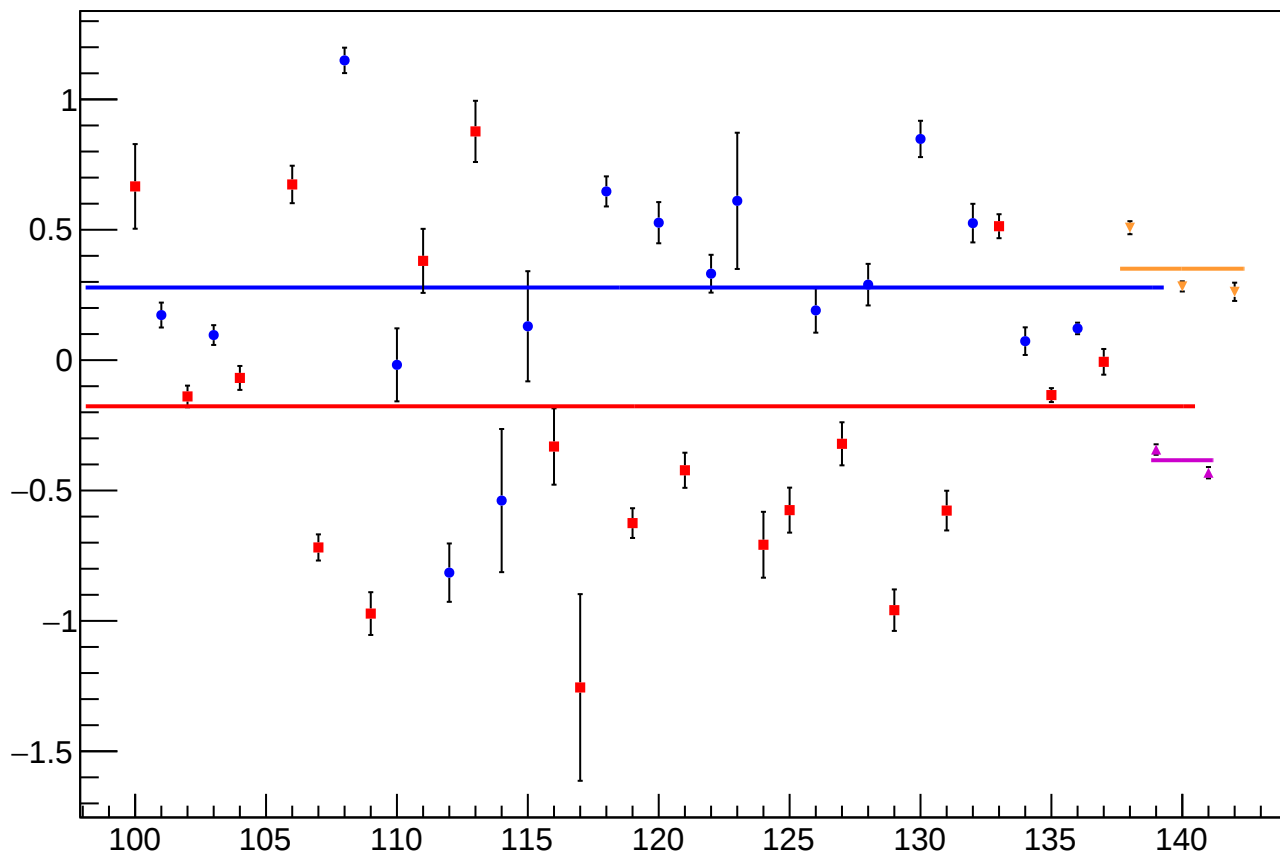
Left In: 76.963+/-0.393 χ^2/NDF : 1438.7/1

-91.328+/-0.195 χ^2/NDF : 8437.2/19

-4.238+/-0.143 χ^2/NDF : 445646.6/41

95.247+/-0.209 χ^2/NDF : 10547.6/21

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

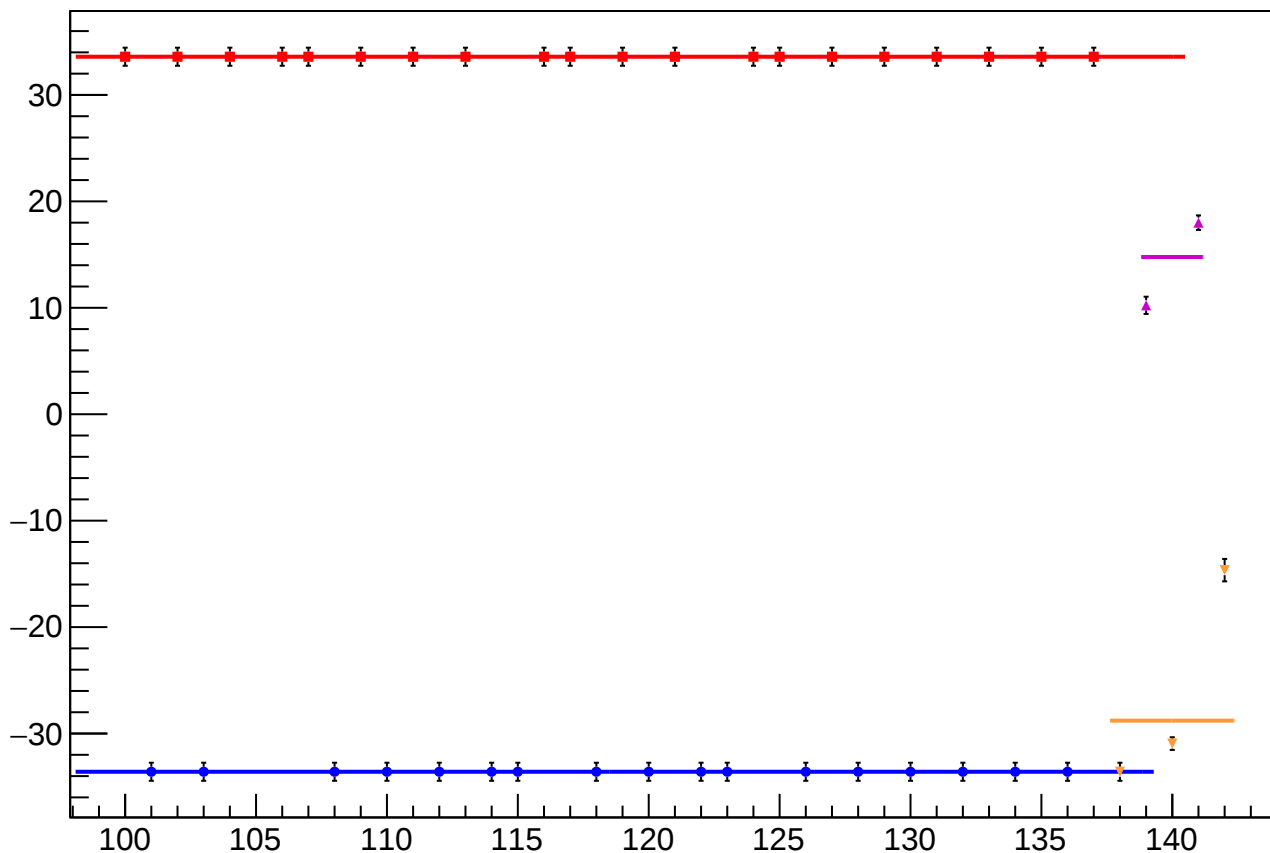
Left In: -0.384 ± 0.015 χ^2/NDF : 9.0/1

0.313 ± 0.010 χ^2/NDF : 725.6/19

0.027 ± 0.007 χ^2/NDF : 3576.6/41

-0.271 ± 0.010 χ^2/NDF : 1092.9/21

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.592 ± 0.206 χ^2/NDF : 0.0/16

Left Out: -28.788 ± 0.443 χ^2/NDF : 225.1/2

Right Out: 33.592 ± 0.190 χ^2/NDF : 0.0/19

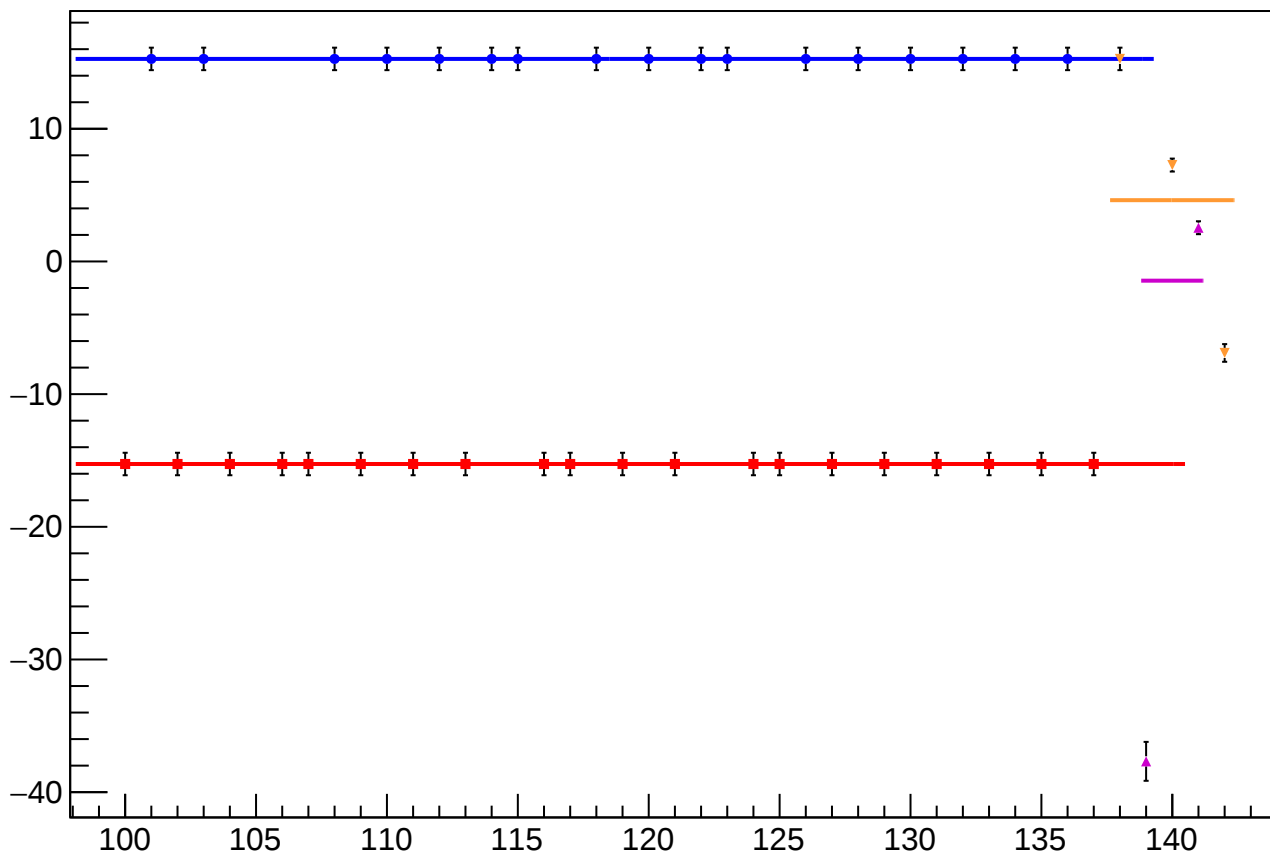
Left In: 14.771 ± 0.522 χ^2/NDF : 53.7/1

-32.736 ± 0.187 χ^2/NDF : 321.9/19

0.782 ± 0.129 χ^2/NDF : 63122.8/41

31.392 ± 0.179 χ^2/NDF : 1201.2/21

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

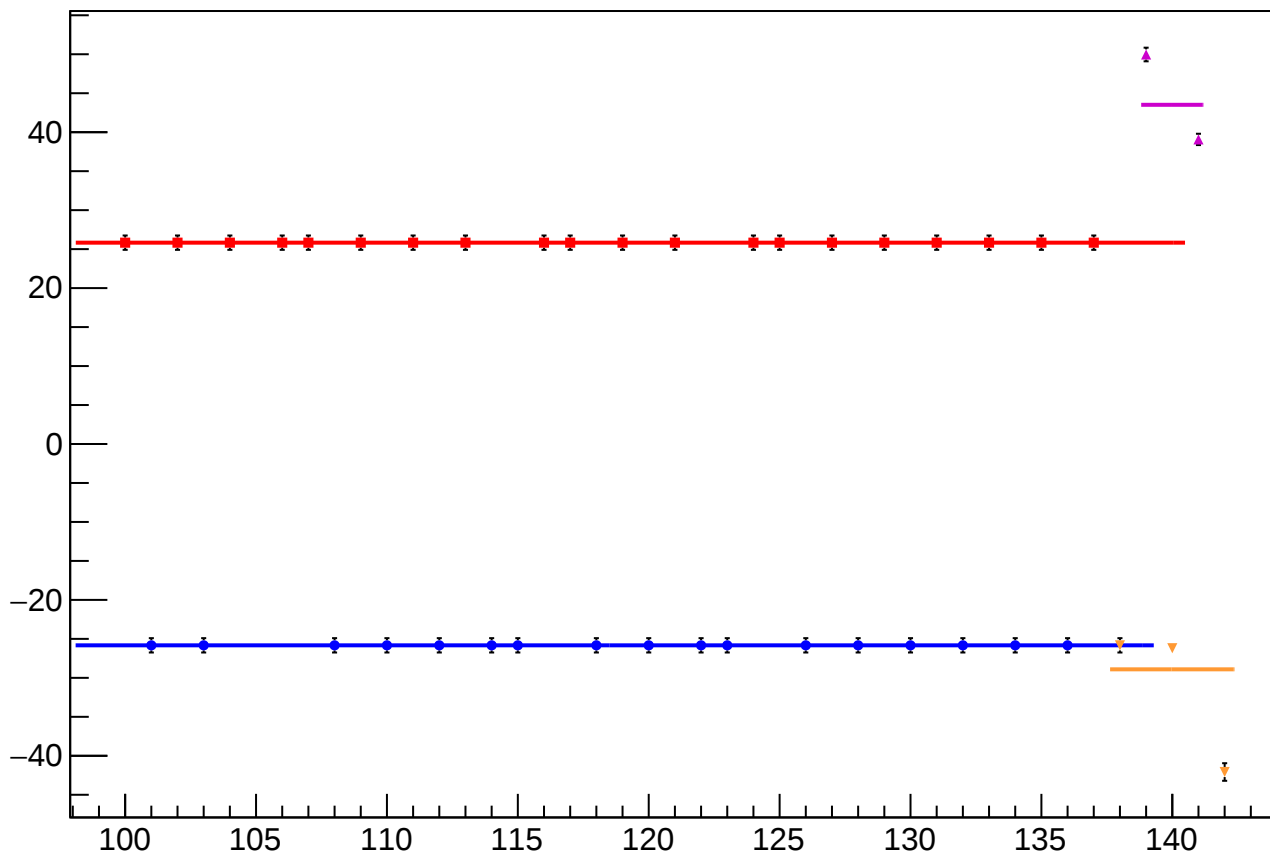
Left In: -1.448 $\pm$ 0.462 χ^2 /NDF: 677.4/1

12.620 $\pm$ 0.178 χ^2 /NDF: 1152.9/19

-0.537 $\pm$ 0.125 χ^2 /NDF: 13335.3/41

-13.277 $\pm$ 0.175 χ^2 /NDF: 1443.2/21

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

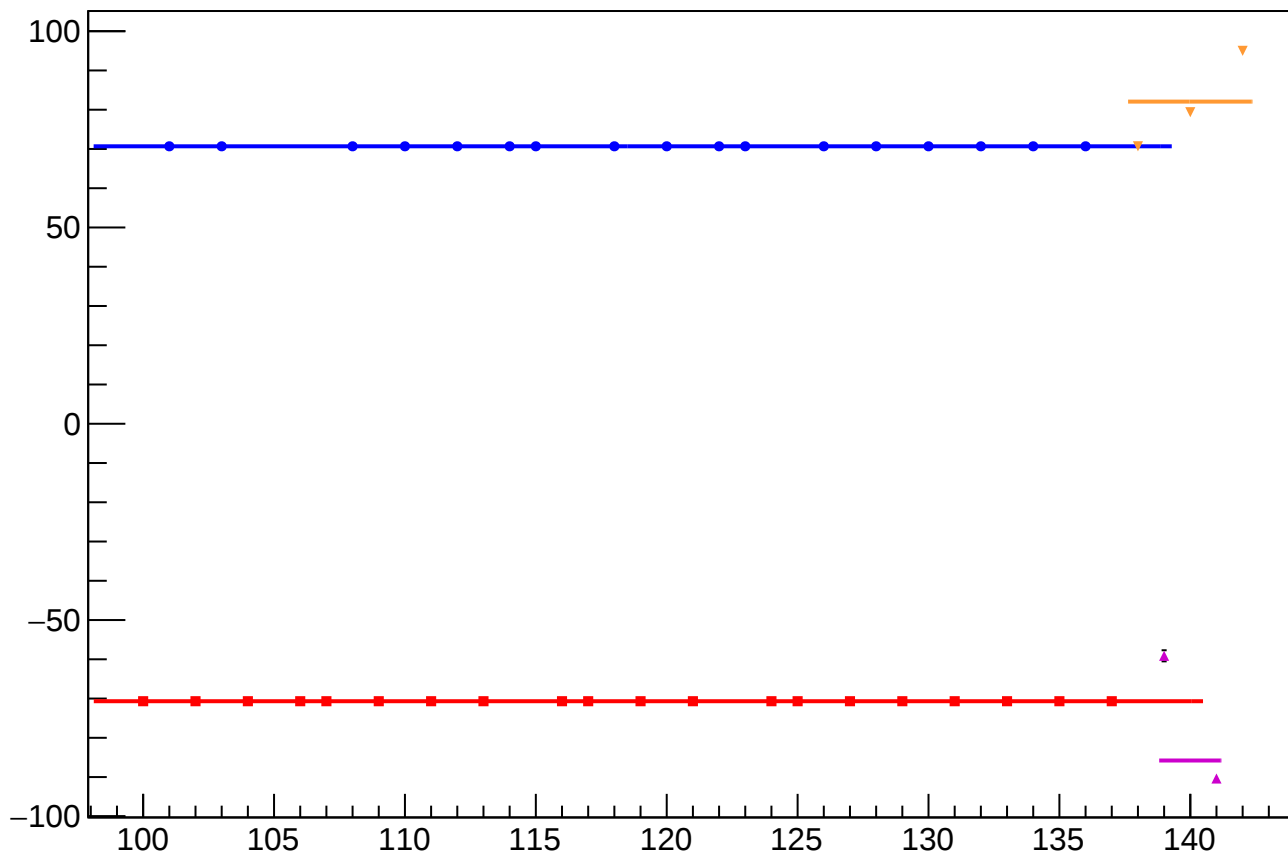
Left In: 43.514 ± 0.559 χ^2/NDF : 91.7/1

-26.387 ± 0.202 χ^2/NDF : 200.2/19

1.990 ± 0.140 χ^2/NDF : 38936.3/41

27.940 ± 0.193 χ^2/NDF : 972.7/21

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 70.679+/-0.235 χ^2/NDF : 0.0/16

Left Out: 82.064+/-0.428 χ^2/NDF : 415.2/2

Right Out: -70.679+/-0.217 χ^2/NDF : 0.0/19

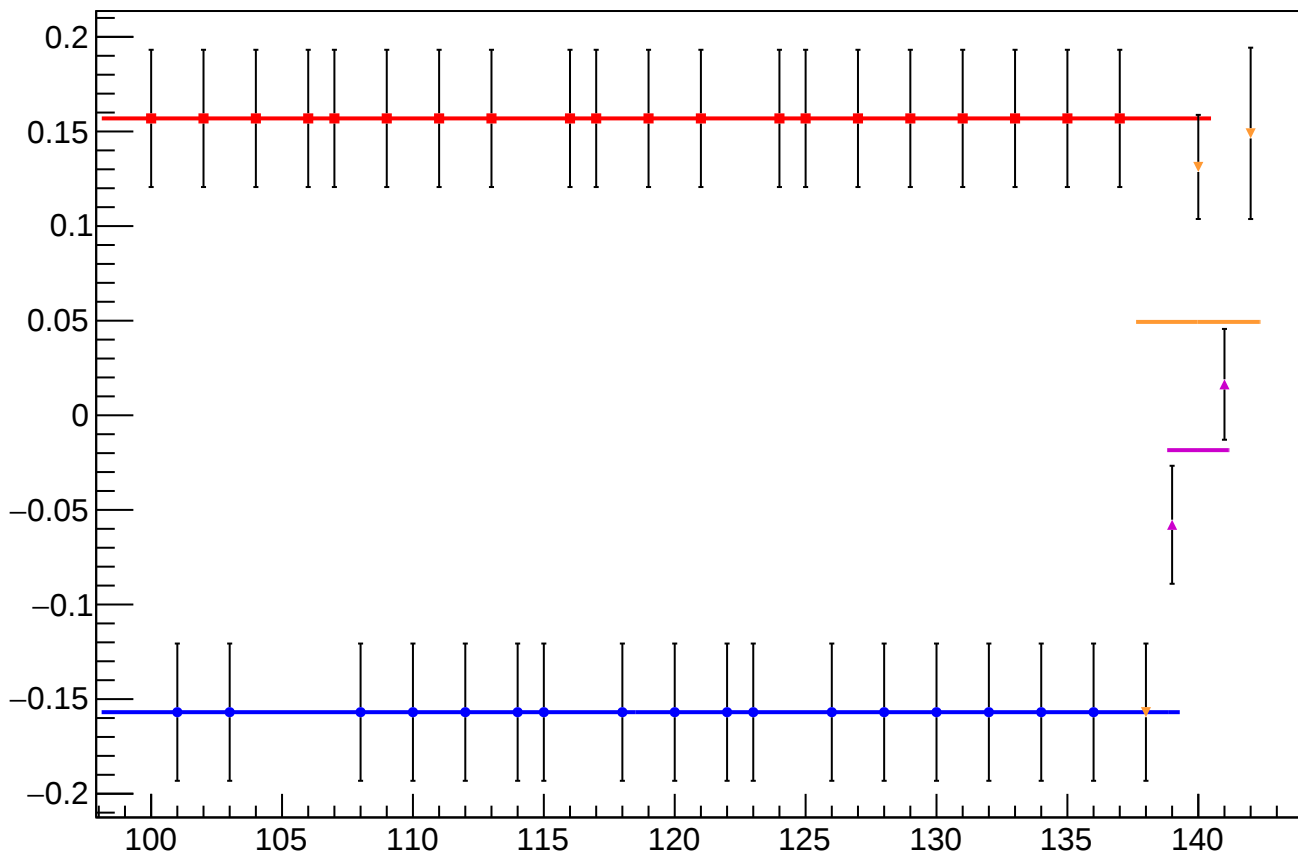
Left In: -85.783+/-0.541 χ^2/NDF : 417.7/1

73.329+/-0.206 χ^2/NDF : 959.3/19

-1.436+/-0.144 χ^2/NDF : 258817.3/41

-72.774+/-0.201 χ^2/NDF : 1089.1/21

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

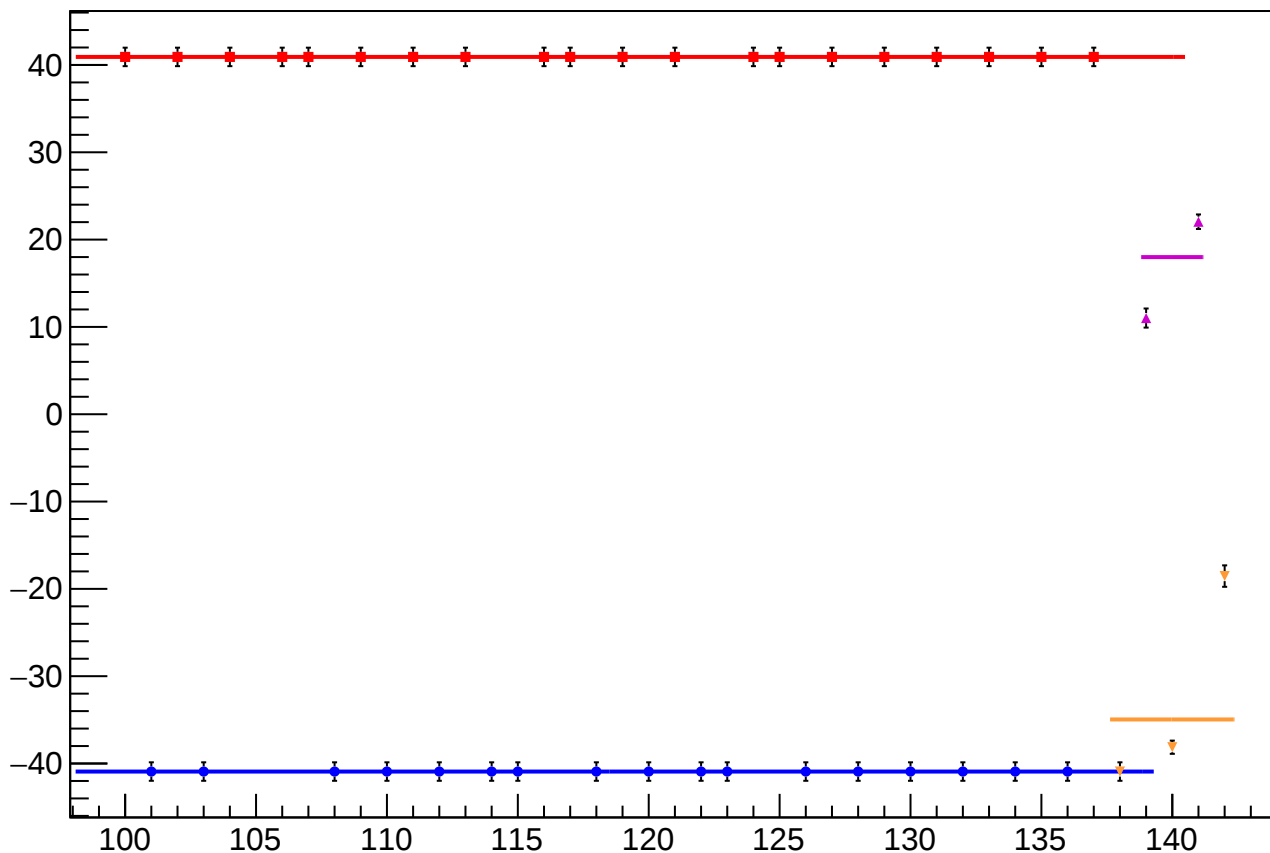
Left In: -0.018 ± 0.021 χ^2/NDF : 3.0/1

-0.123 ± 0.008 χ^2/NDF : 137.2/19

0.014 ± 0.006 χ^2/NDF : 742.5/41

0.135 ± 0.008 χ^2/NDF : 62.0/21

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -40.922 $\pm$ 0.257 χ^2 /NDF: 0.0/16

Left Out: -34.955 $\pm$ 0.550 χ^2 /NDF: 228.0/2

Right Out: 40.922 $\pm$ 0.237 χ^2 /NDF: 0.0/19

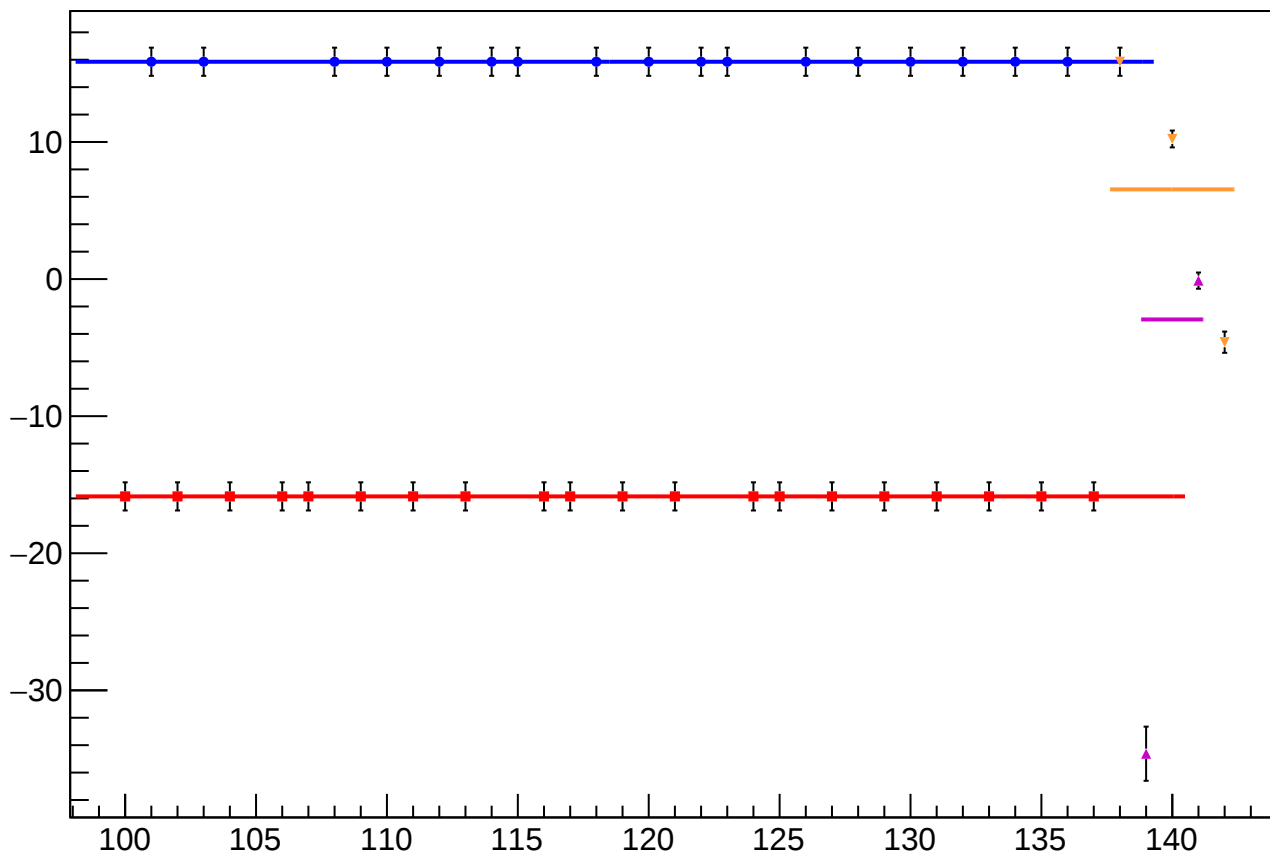
Left In: 17.997 $\pm$ 0.663 χ^2 /NDF: 64.4/1

-39.855 $\pm$ 0.233 χ^2 /NDF: 324.4/19

0.910 $\pm$ 0.161 χ^2 /NDF: 60302.3/41

38.327 $\pm$ 0.223 χ^2 /NDF: 1125.7/21

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

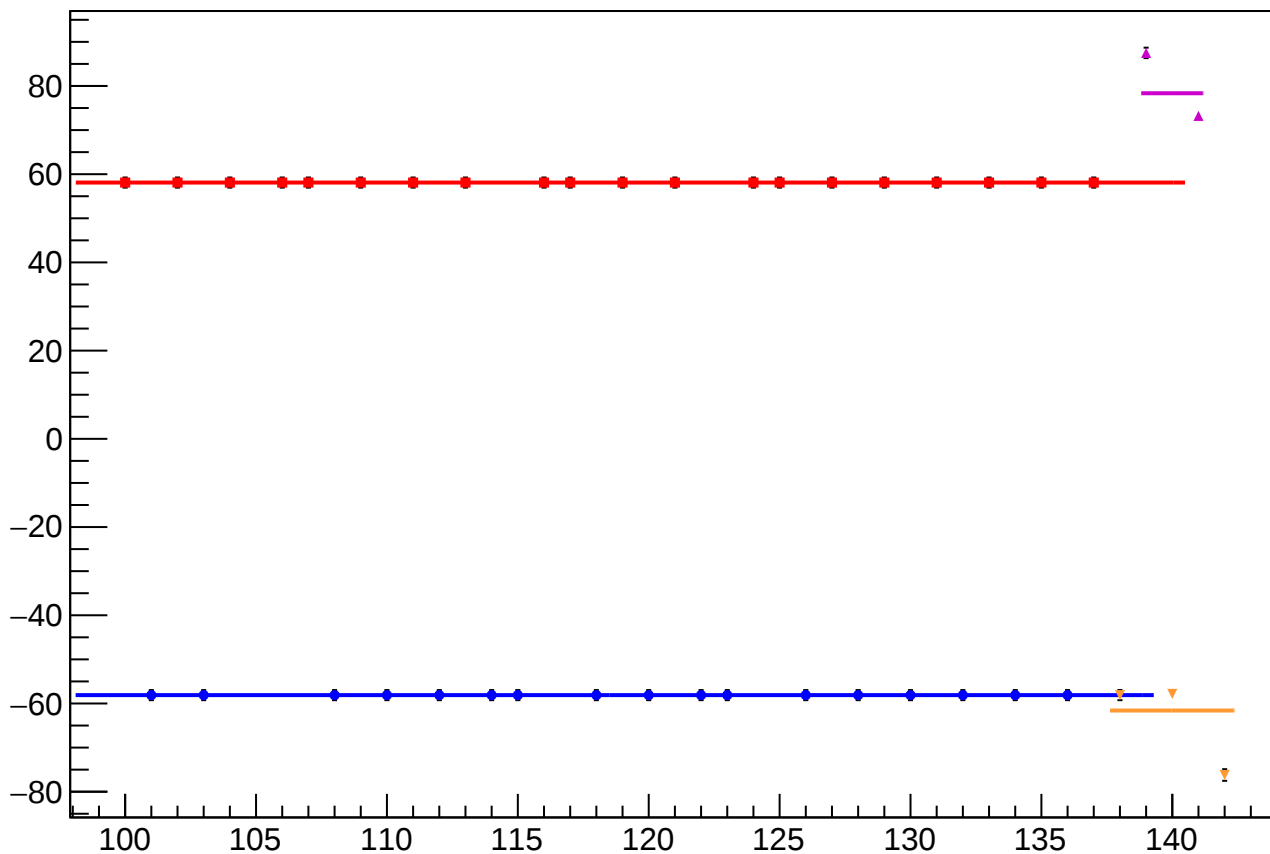
Left In: -2.945 $\pm$ 0.566 χ^2/NDF : 280.1/1

13.562 $\pm$ 0.216 χ^2/NDF : 668.9/19

-0.457 $\pm$ 0.152 χ^2/NDF : 9664.9/41

-14.029 $\pm$ 0.213 χ^2/NDF : 726.7/21

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.103 ± 0.278 χ^2/NDF : 0.0/16

Left Out: -61.595 ± 0.590 χ^2/NDF : 154.6/2

Right Out: 58.103 ± 0.257 χ^2/NDF : 0.0/19

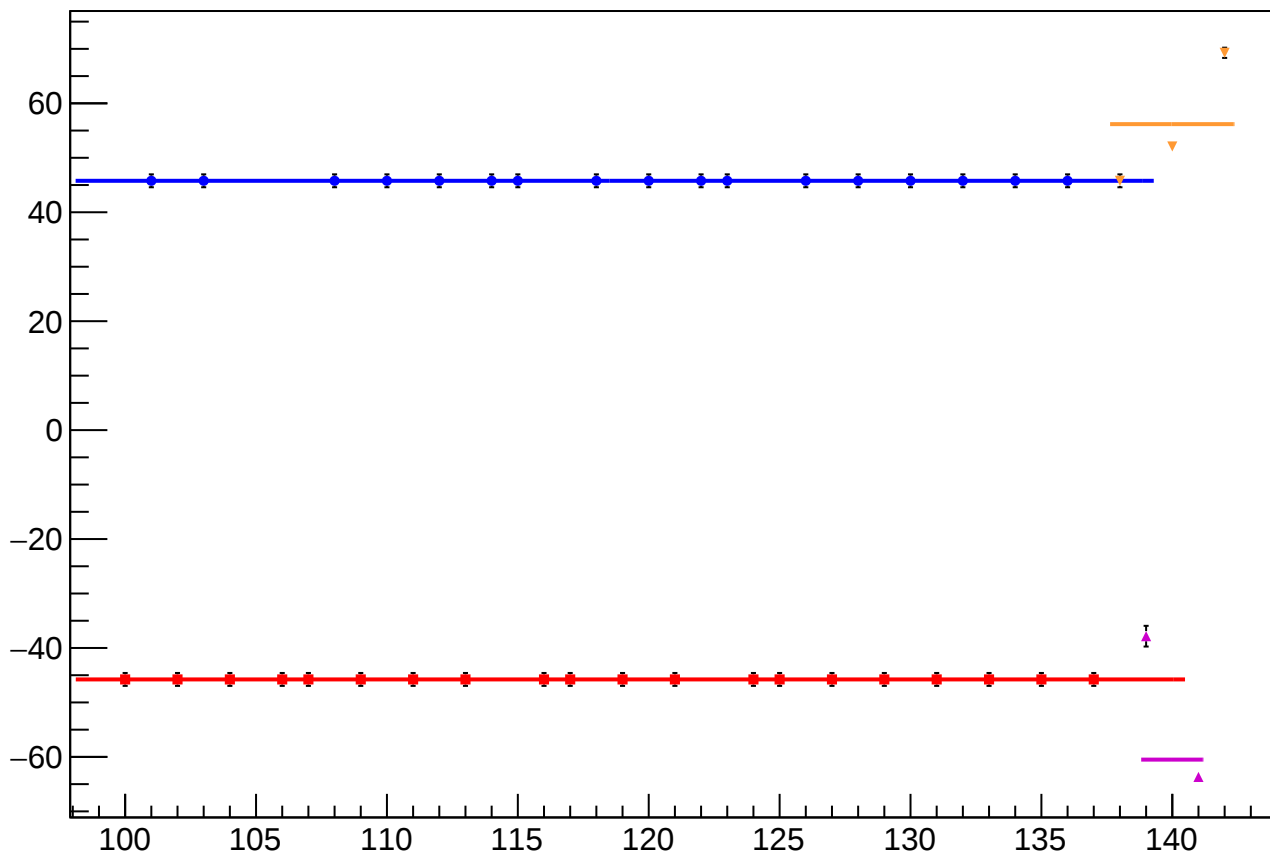
Left In: 78.349 ± 0.709 χ^2/NDF : 93.3/1

-58.740 ± 0.252 χ^2/NDF : 183.3/19

3.365 ± 0.174 χ^2/NDF : 117879.1/41

60.447 ± 0.241 χ^2/NDF : 814.0/21

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

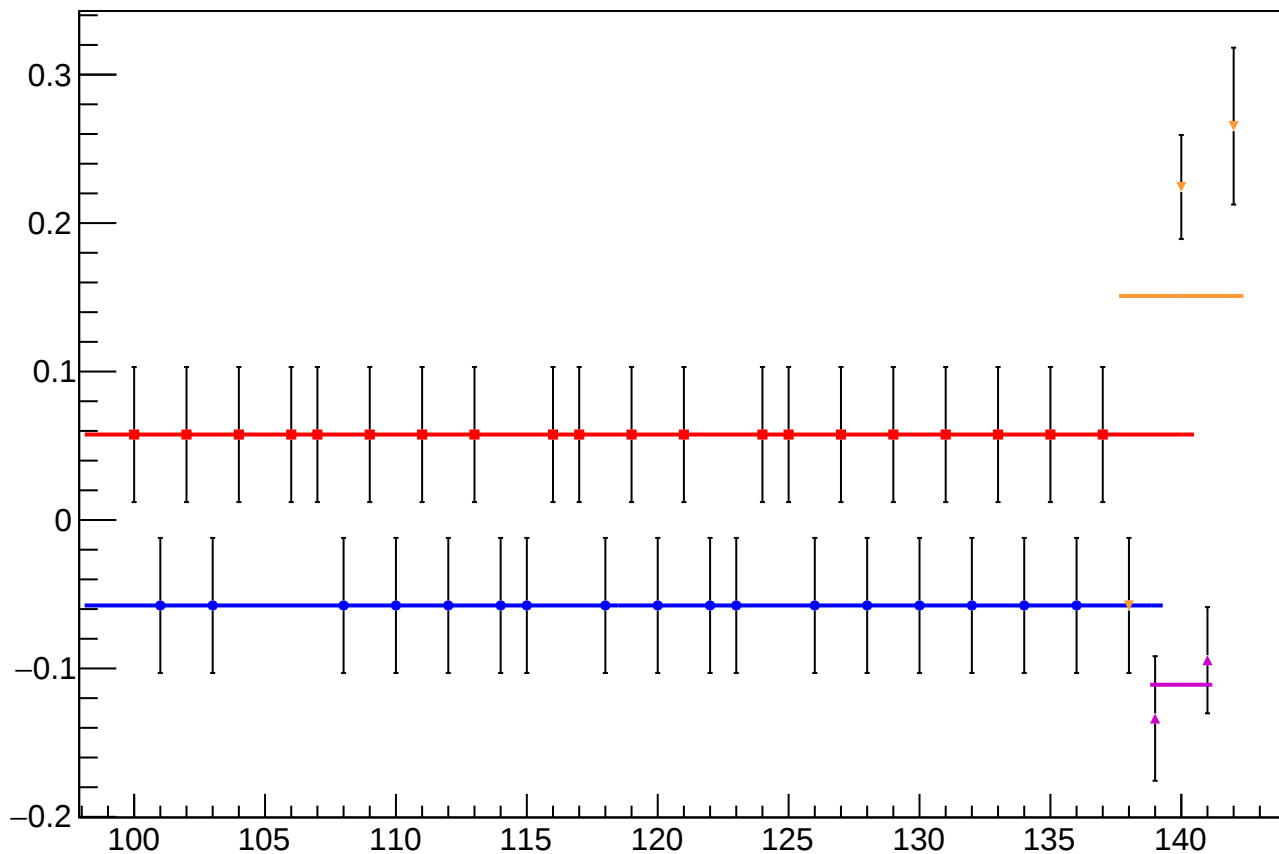
Left In: -60.498 $\pm$ 0.667 χ^2/NDF : 161.8/1

48.189 $\pm$ 0.252 χ^2/NDF : 605.6/19

-0.878 $\pm$ 0.176 χ^2/NDF : 75346.6/41

-47.783 $\pm$ 0.246 χ^2/NDF : 582.5/21

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

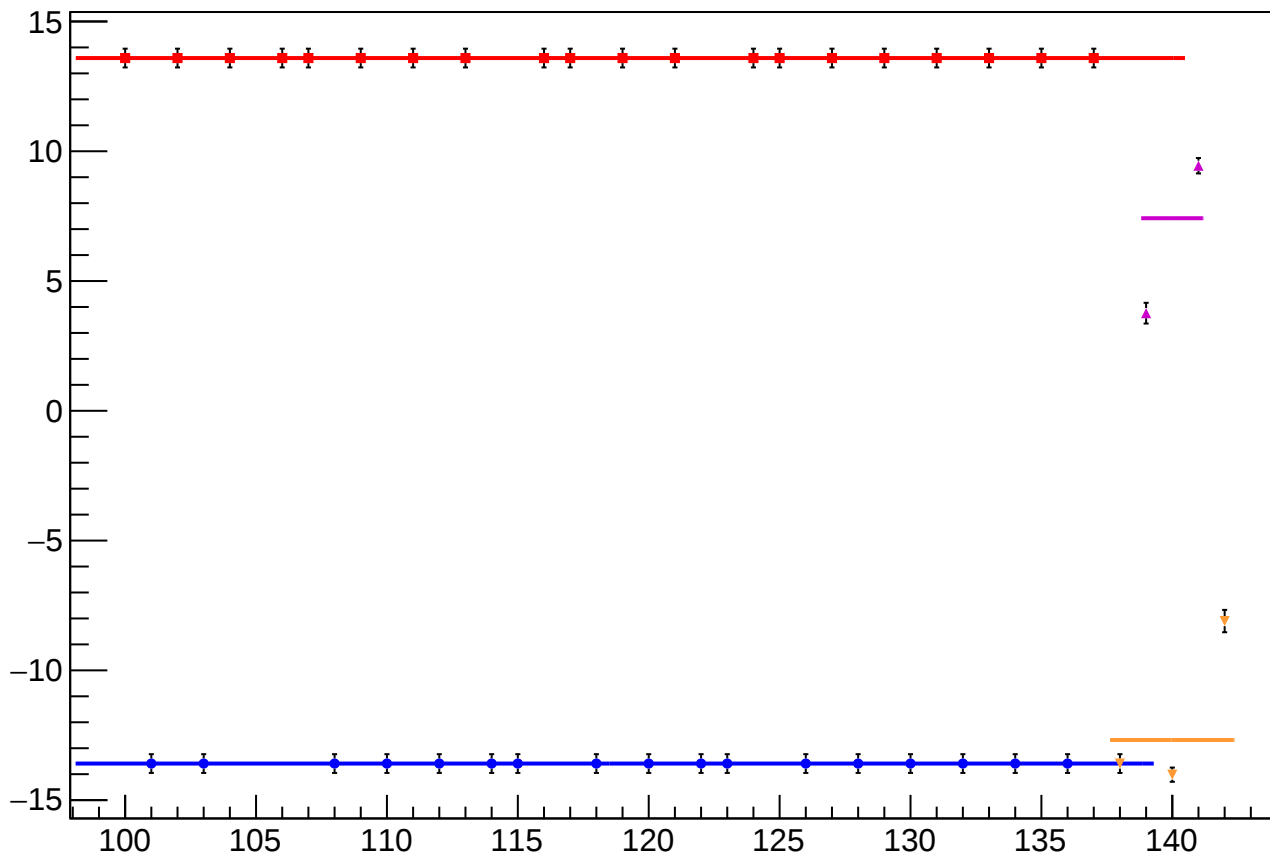
Left In: -0.111 $\pm$ 0.027 χ^2/NDF : 0.5/1

-0.023 $\pm$ 0.010 χ^2/NDF : 90.0/19

0.009 $\pm$ 0.007 χ^2/NDF : 142.5/41

0.037 $\pm$ 0.010 χ^2/NDF : 34.1/21

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.591 ± 0.088 χ^2/NDF : 0.0/16

Left Out: -12.682 ± 0.195 χ^2/NDF : 143.1/2

Right Out: 13.591 ± 0.081 χ^2/NDF : 0.0/19

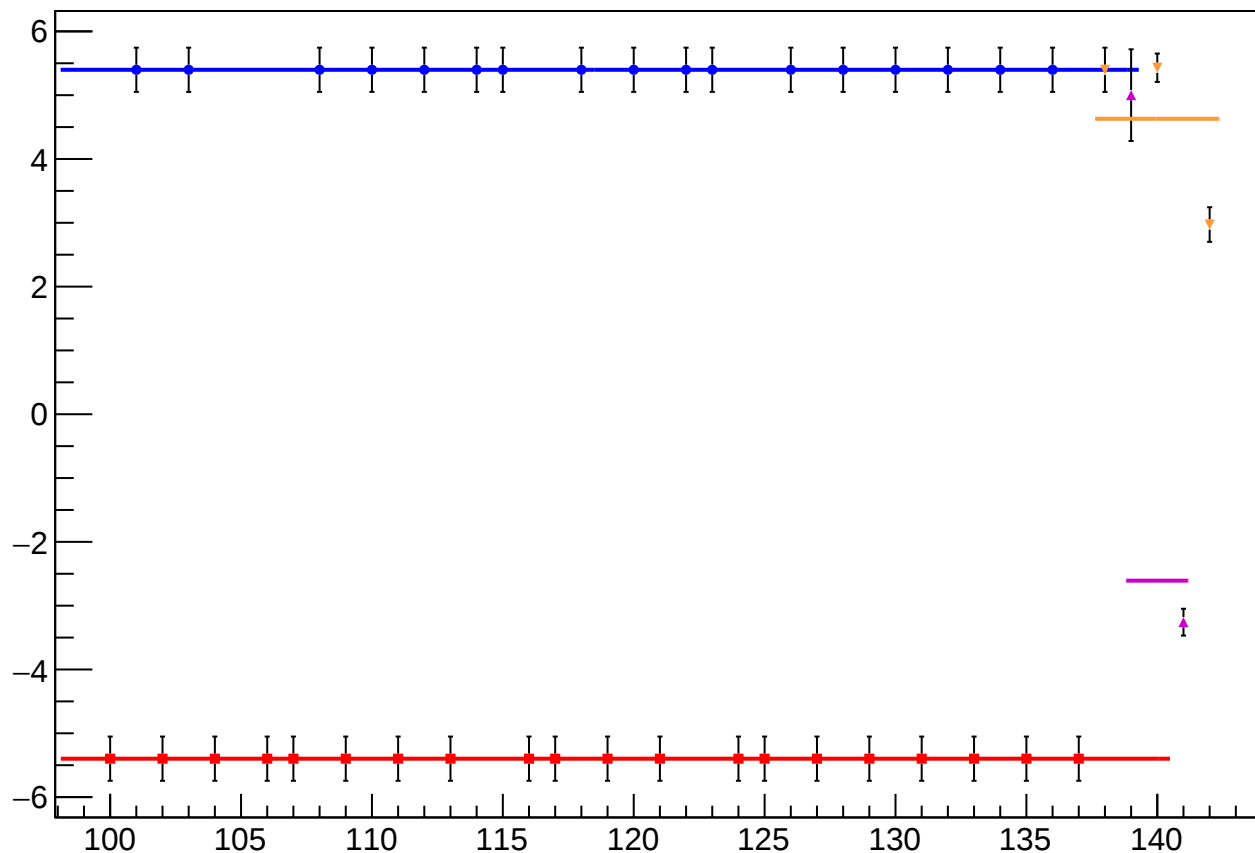
Left In: 7.420 ± 0.238 χ^2/NDF : 130.3/1

-13.438 ± 0.080 χ^2/NDF : 161.2/19

0.334 ± 0.055 χ^2/NDF : 57743.2/41

12.954 ± 0.077 χ^2/NDF : 731.9/21

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

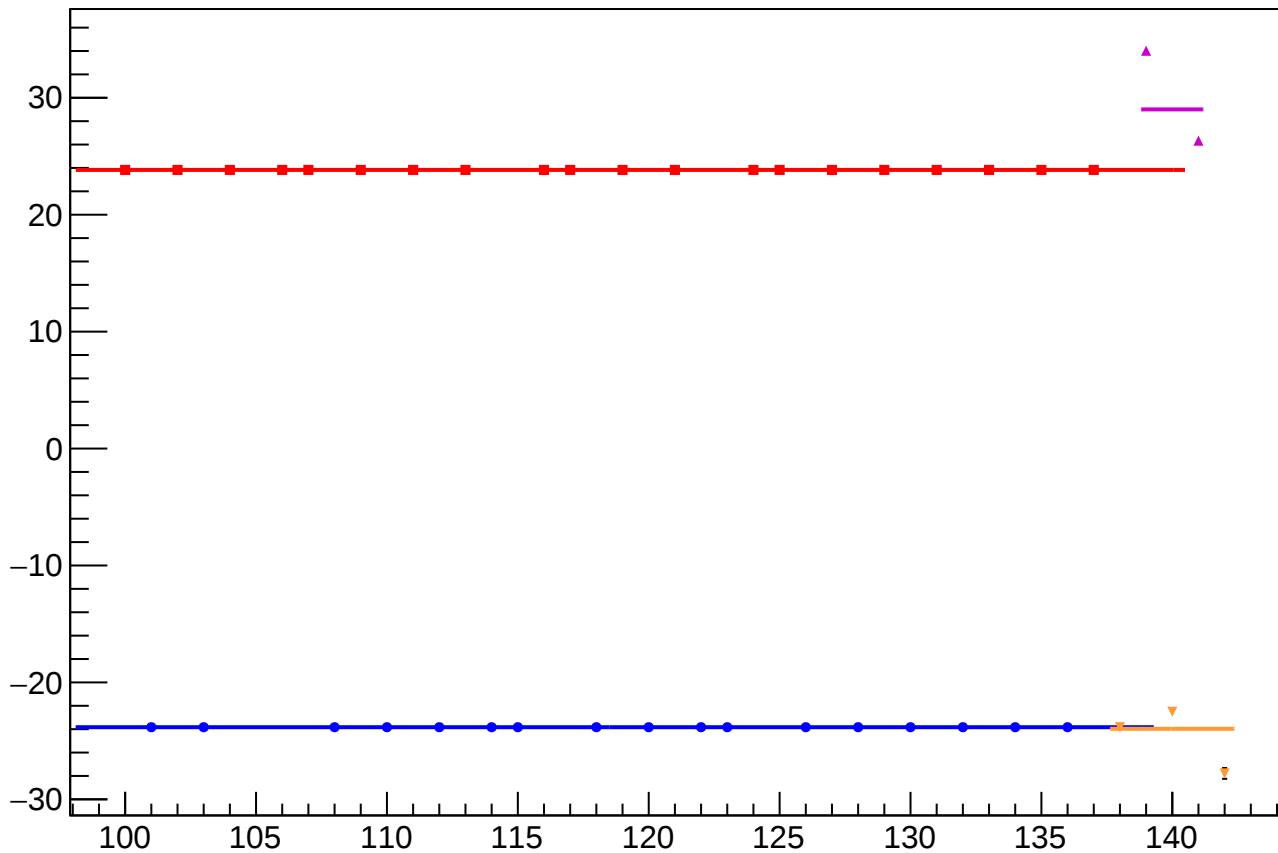
Left In: -2.608 $\pm$ 0.202 χ^2/NDF : 121.7/1

5.222 $\pm$ 0.074 χ^2/NDF : 74.4/19

-0.010 $\pm$ 0.052 χ^2/NDF : 10223.7/41

-5.039 $\pm$ 0.072 χ^2/NDF : 288.4/21

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -23.831 ± 0.095 χ^2/NDF : 0.0/16

Left Out: -23.966 ± 0.209 χ^2/NDF : 93.5/2

Right Out: 23.831 ± 0.088 χ^2/NDF : 0.0/19

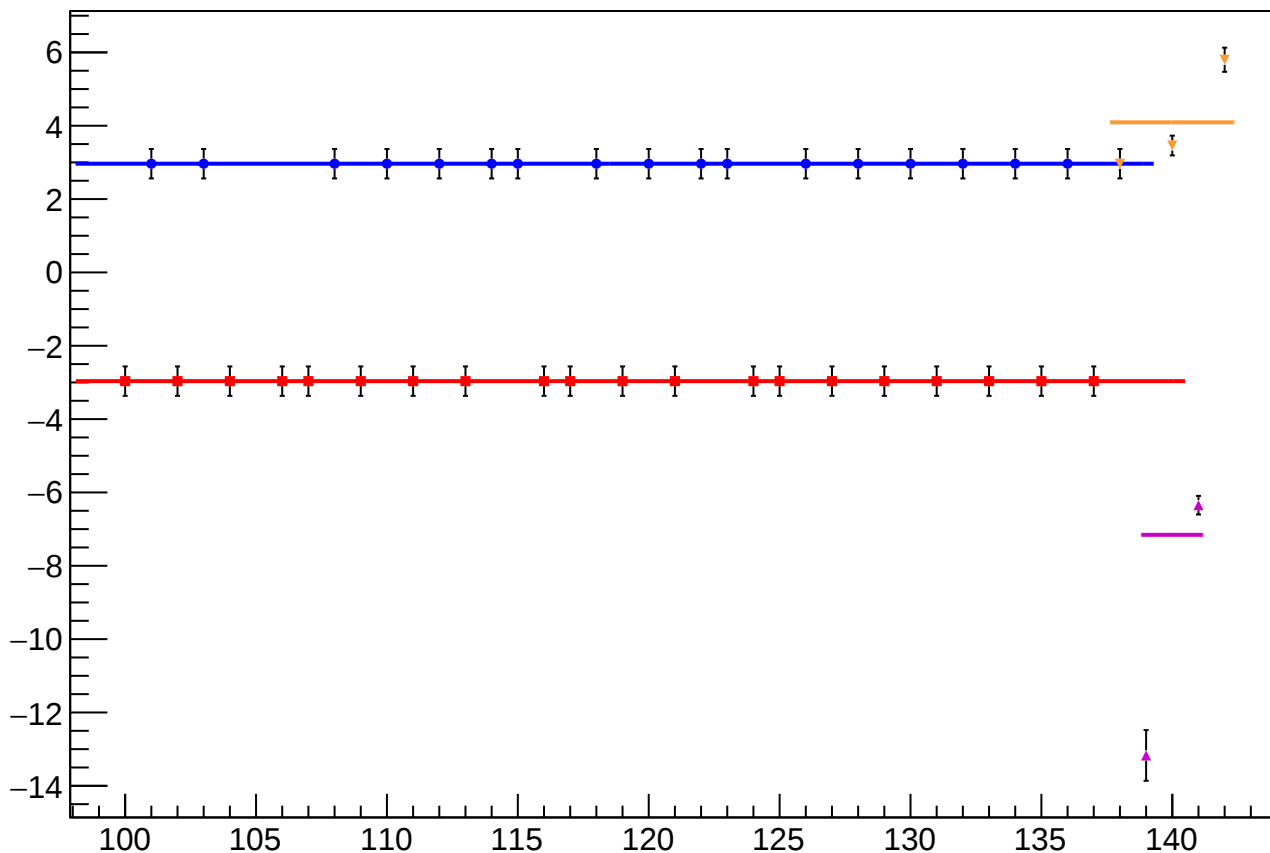
Left In: 29.007 ± 0.255 χ^2/NDF : 206.4/1

-23.854 ± 0.086 χ^2/NDF : 93.9/19

1.298 ± 0.060 χ^2/NDF : 162886.7/41

24.377 ± 0.083 χ^2/NDF : 575.0/21

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.964 ± 0.097 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 4.093 ± 0.185 $\chi^2/\text{NDF}: 40.3/2$

Right Out: -2.964 ± 0.090 $\chi^2/\text{NDF}: 0.0/19$

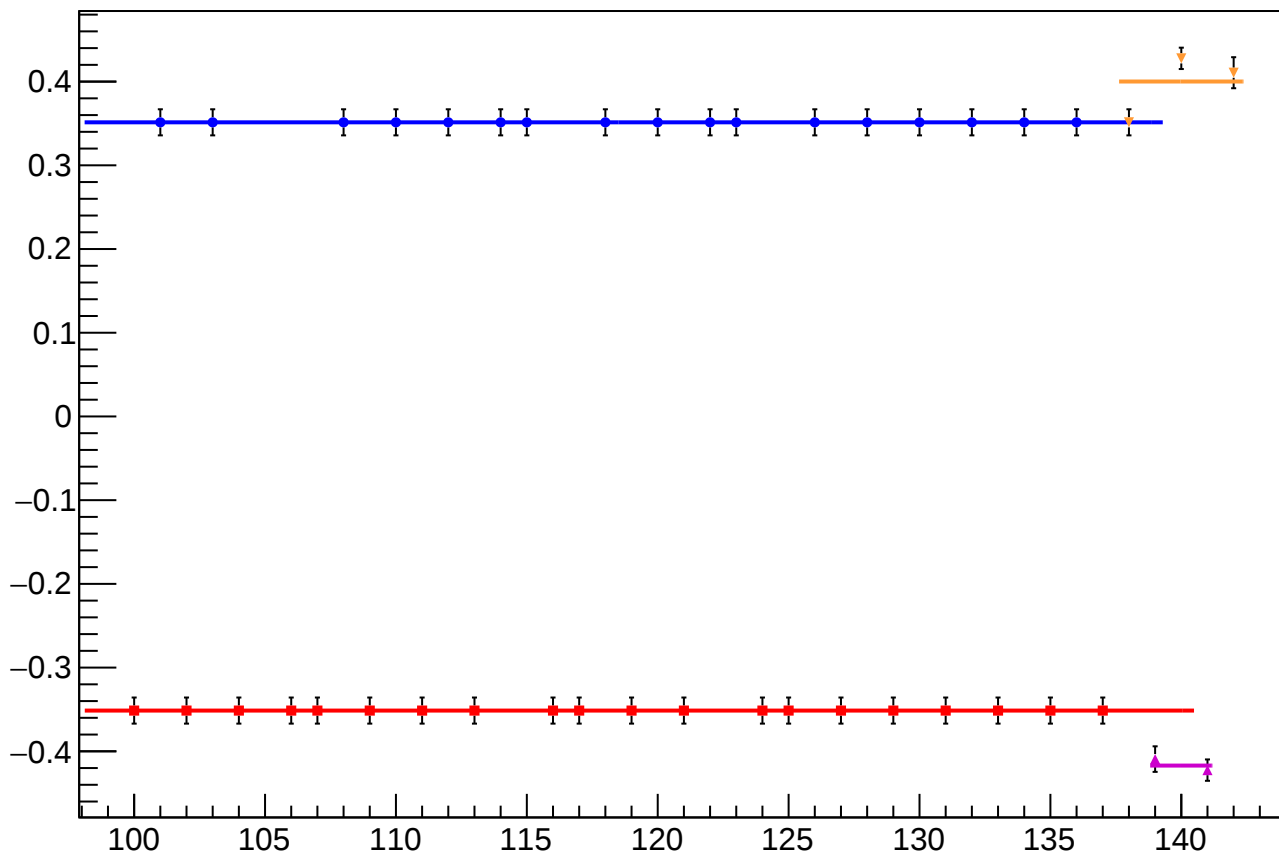
Left In: -7.156 ± 0.238 $\chi^2/\text{NDF}: 85.8/1$

3.209 ± 0.086 $\chi^2/\text{NDF}: 69.5/19$

-0.223 ± 0.060 $\chi^2/\text{NDF}: 3524.7/41$

-3.486 ± 0.084 $\chi^2/\text{NDF}: 357.1/21$

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.351+/-0.004 χ^2/NDF : 0.0/16

Left Out: 0.400+/-0.009 χ^2/NDF : 14.8/2

Right Out: -0.351+/-0.003 χ^2/NDF : 0.0/19

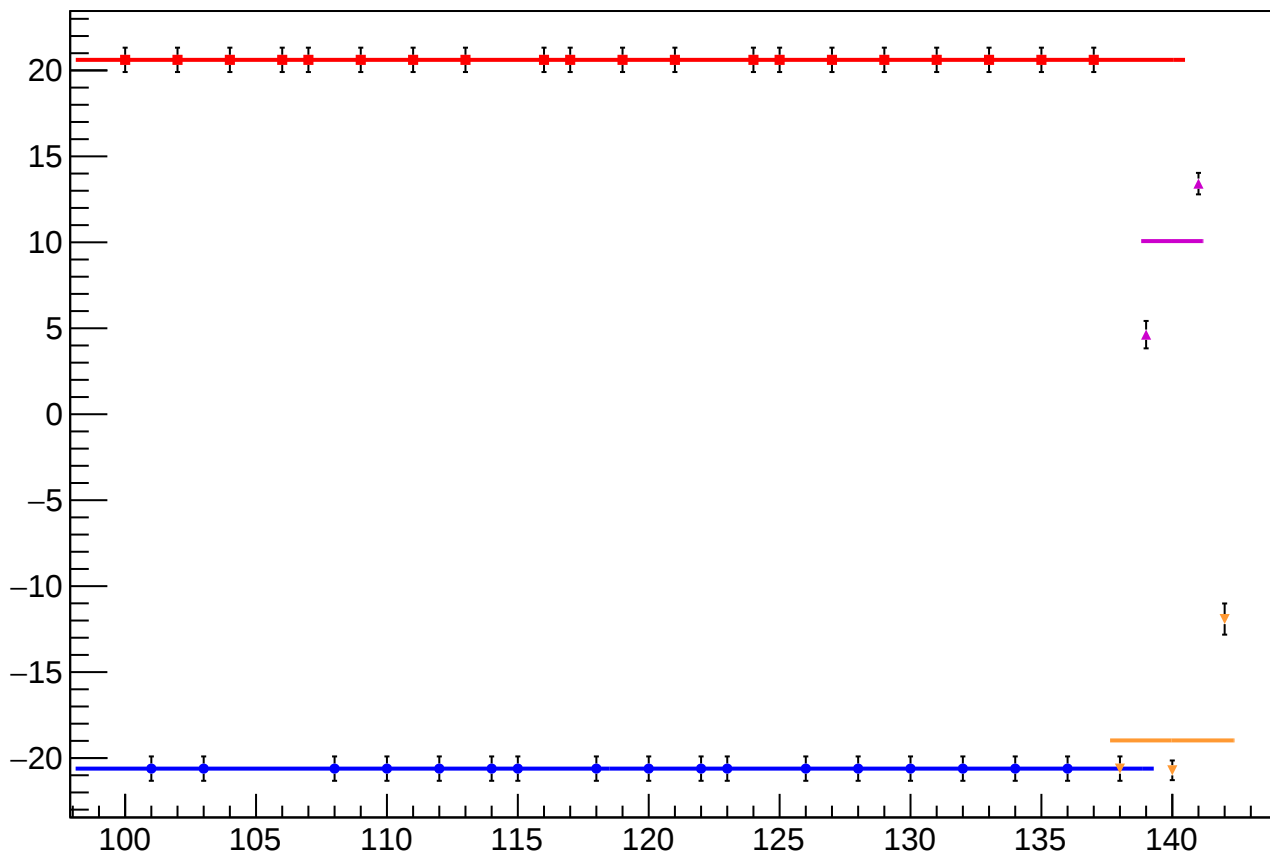
Left In: -0.417+/-0.010 χ^2/NDF : 0.4/1

0.359+/-0.003 χ^2/NDF : 41.2/19

-0.019+/-0.002 χ^2/NDF : 22669.0/41

-0.359+/-0.003 χ^2/NDF : 40.4/21

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

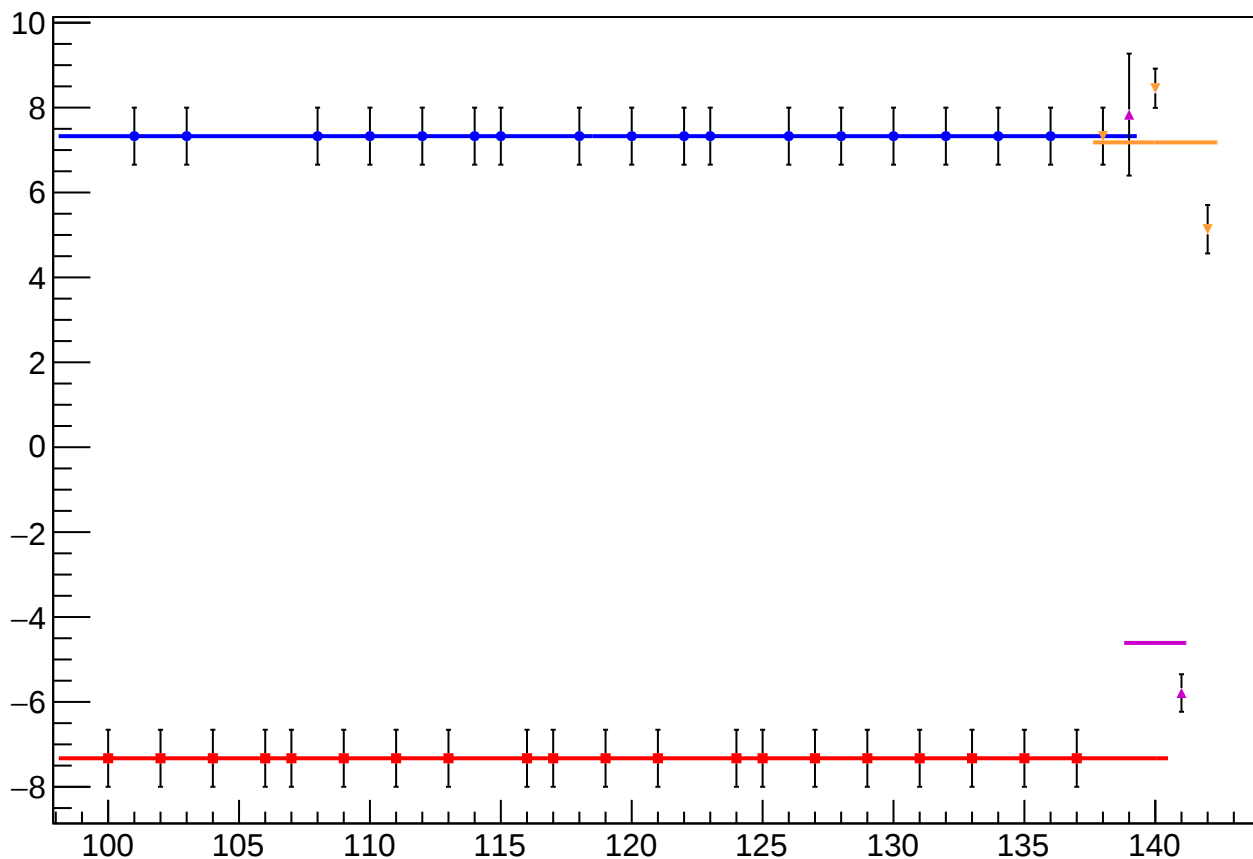
Left In: 10.071 ± 0.492 χ^2/NDF : 75.2/1

-20.357 ± 0.158 χ^2/NDF : 89.5/19

0.544 ± 0.109 χ^2/NDF : 34101.9/41

19.622 ± 0.151 χ^2/NDF : 491.2/21

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

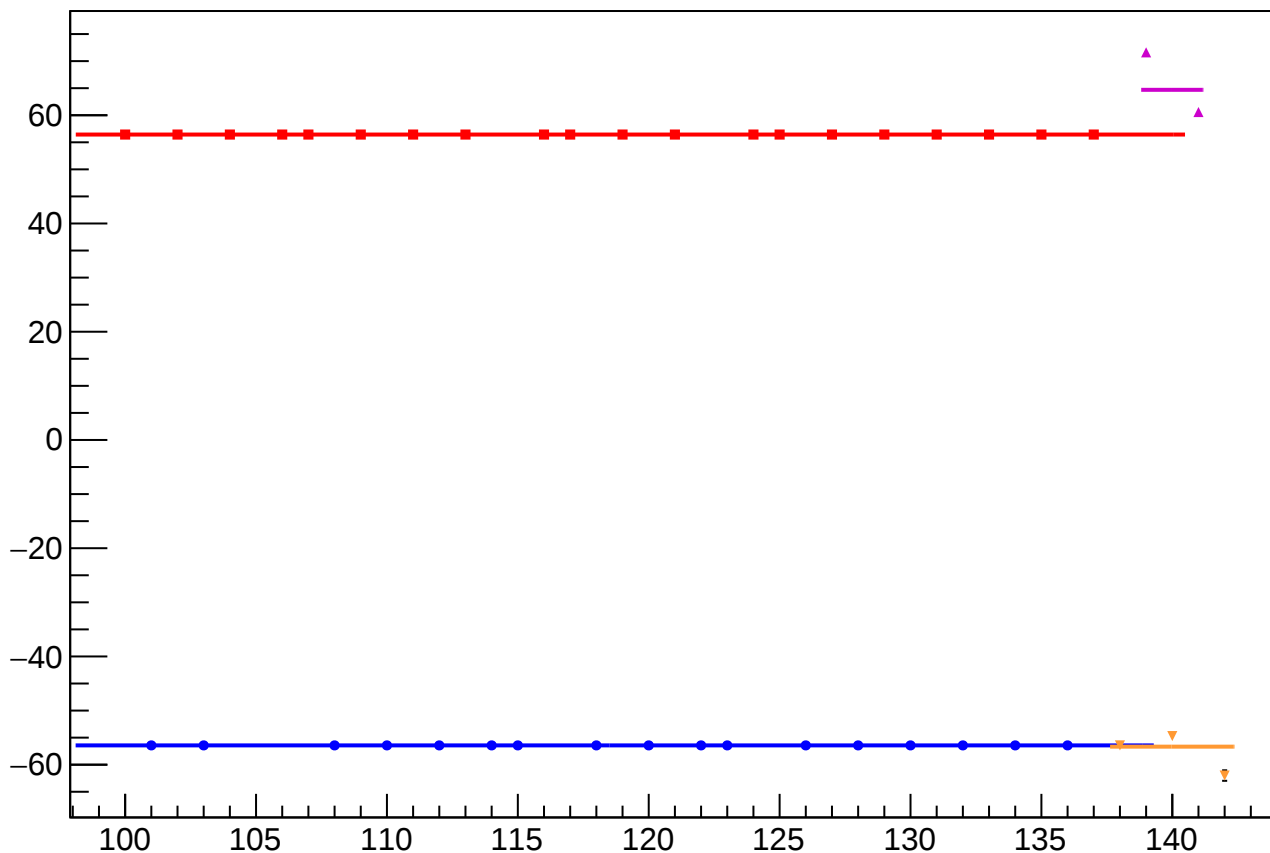


7.297 ± 0.145 $\chi^2/\text{NDF}: 20.7/19$

-0.030 ± 0.101 $\chi^2/\text{NDF}: 5137.0/41$

-7.022 ± 0.142 $\chi^2/\text{NDF}: 119.0/21$

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.432 ± 0.186 χ^2/NDF : 0.0/16

Left Out: -56.666 ± 0.428 χ^2/NDF : 40.7/2

Right Out: 56.432 ± 0.172 χ^2/NDF : 0.0/19

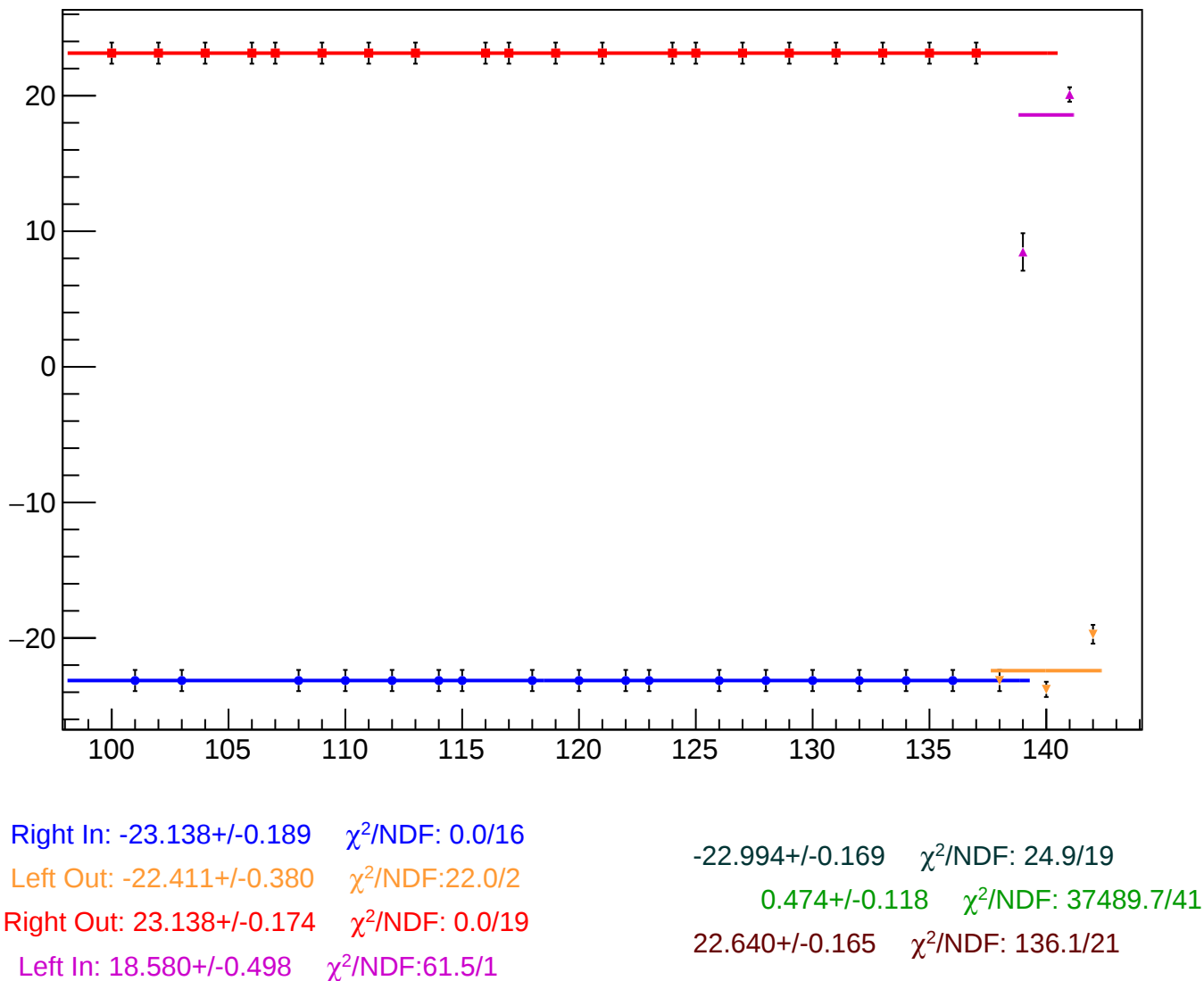
Left In: 64.696 ± 0.527 χ^2/NDF : 102.4/1

-56.470 ± 0.171 χ^2/NDF : 40.9/19

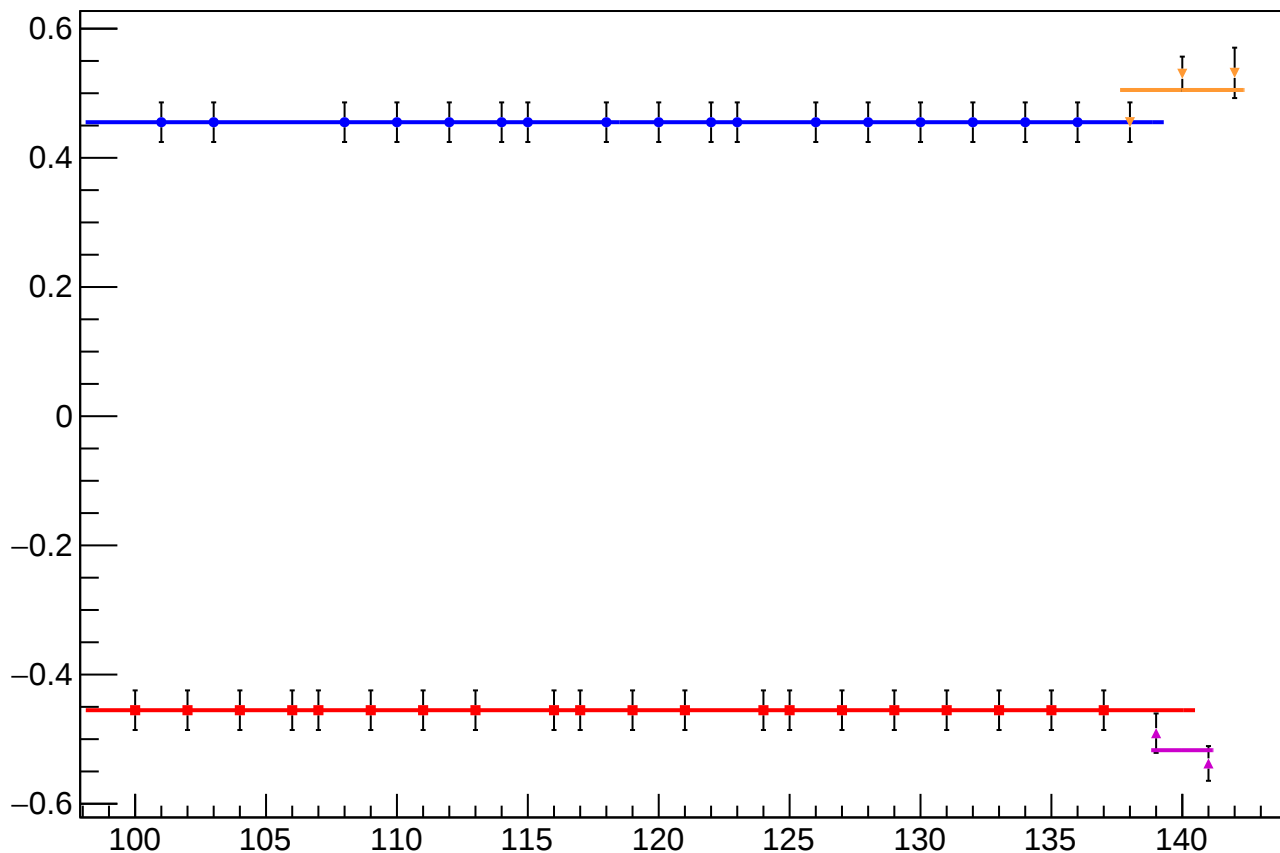
2.937 ± 0.118 χ^2/NDF : 231926.7/41

57.227 ± 0.163 χ^2/NDF : 325.0/21

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

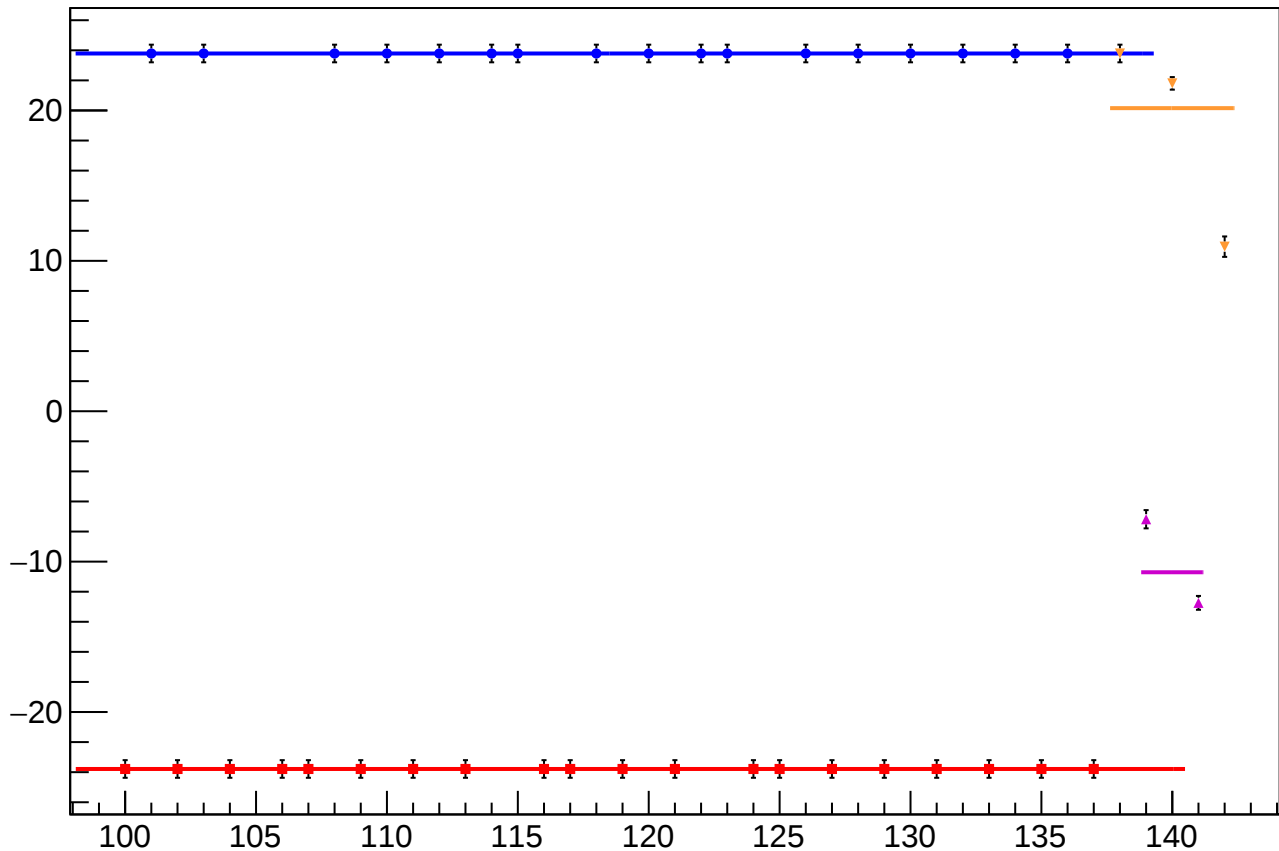
Left In: -0.517 $\pm$ 0.020 χ^2/NDF : 1.3/1

0.463 $\pm$ 0.007 χ^2/NDF : 10.7/19

-0.025 $\pm$ 0.005 χ^2/NDF : 9593.2/41

-0.462 $\pm$ 0.006 χ^2/NDF : 9.8/21

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 23.788+/-0.142 χ^2 /NDF: 0.0/16

Left Out: 20.154+/-0.304 χ^2 /NDF:237.8/2

Right Out: -23.788+/-0.131 χ^2 /NDF: 0.0/19

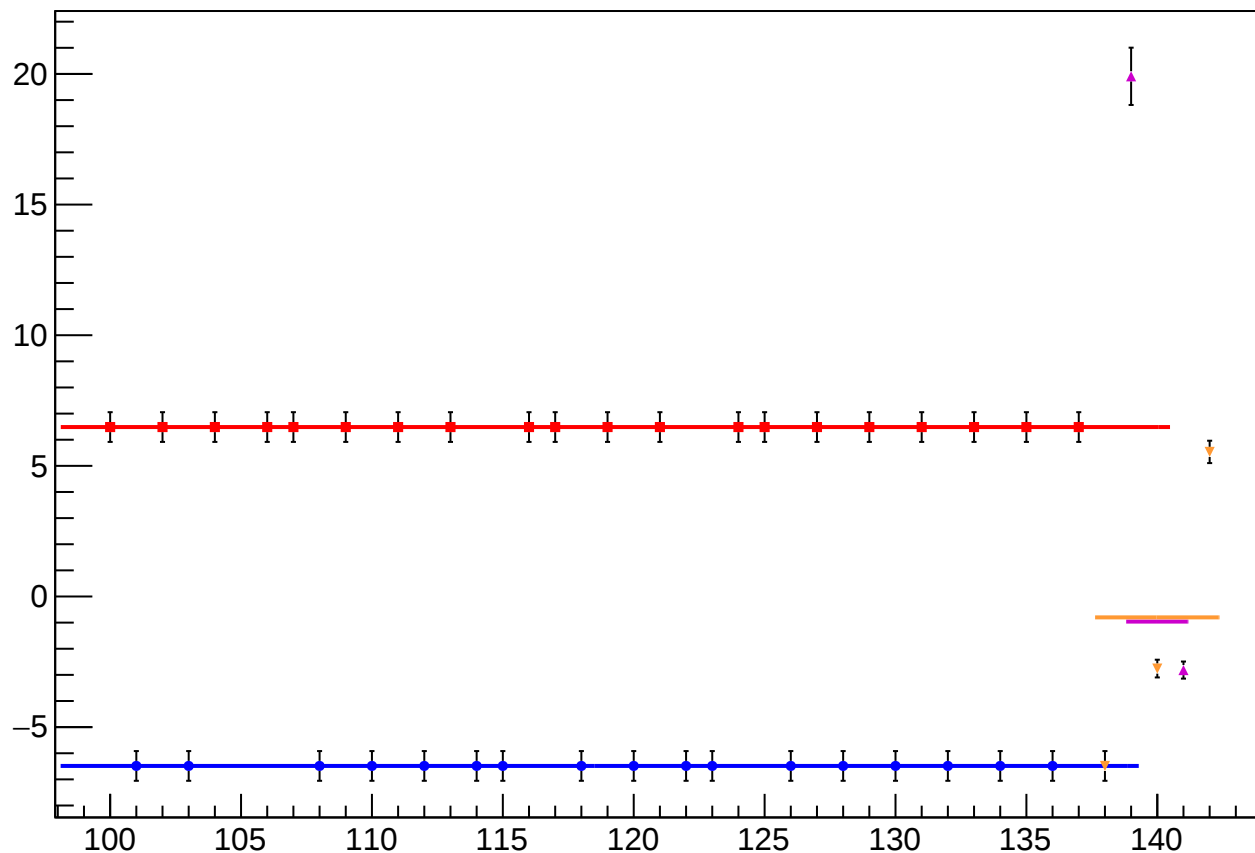
Left In: -10.707+/-0.367 χ^2 /NDF:53.2/1

23.136+/-0.129 χ^2 /NDF: 354.8/19

-0.552+/-0.089 χ^2 /NDF: 66324.5/41

-22.307+/-0.124 χ^2 /NDF: 1178.6/21

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.485 ± 0.138 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -0.800 ± 0.241 $\chi^2/\text{NDF}: 351.9/2$

Right Out: 6.485 ± 0.127 $\chi^2/\text{NDF}: 0.0/19$

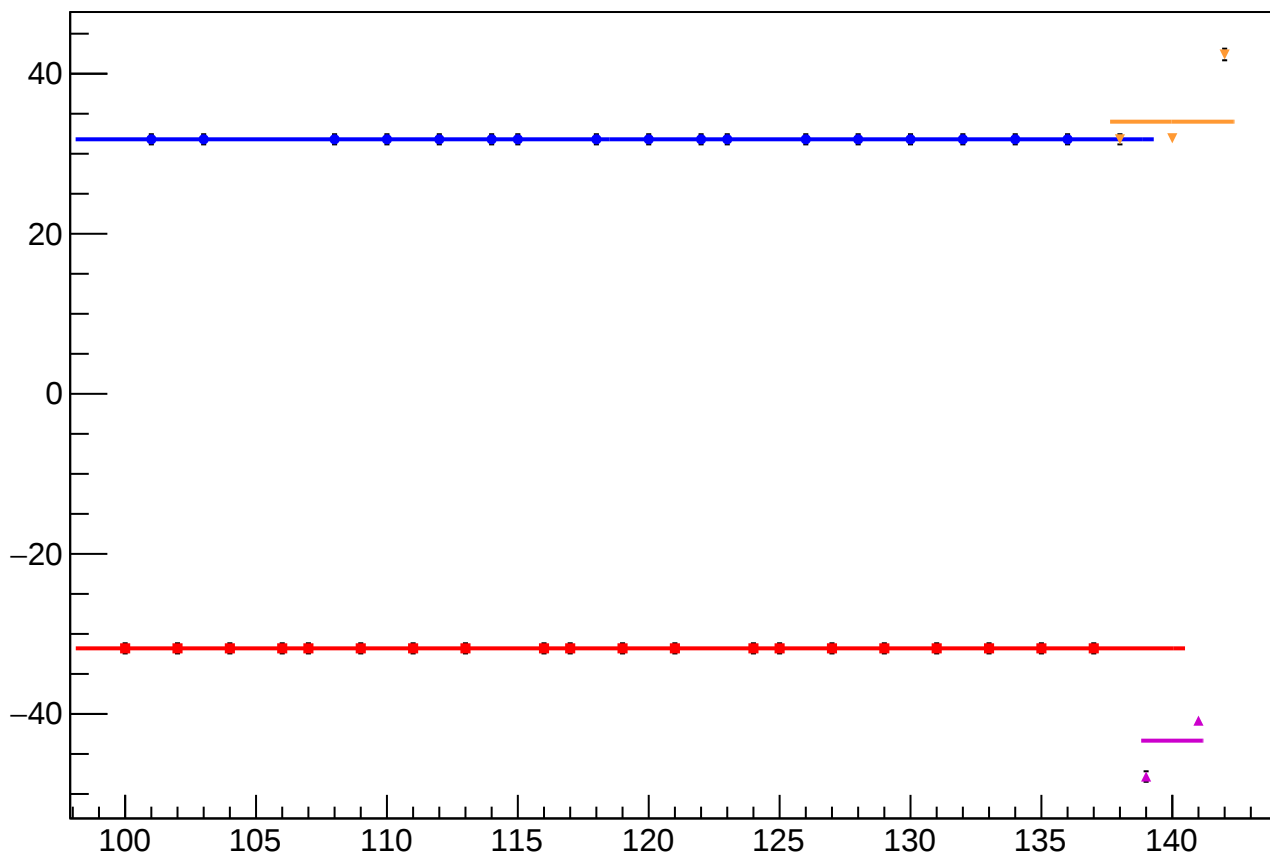
Left In: -0.961 ± 0.313 $\chi^2/\text{NDF}: 394.5/1$

-5.082 ± 0.120 $\chi^2/\text{NDF}: 771.0/19$

0.258 ± 0.084 $\chi^2/\text{NDF}: 5563.8/41$

5.431 ± 0.118 $\chi^2/\text{NDF}: 879.3/21$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 31.804 $\pm$ 0.154 χ^2/NDF : 0.0/16

Left Out: 34.006 $\pm$ 0.326 χ^2/NDF :167.1/2

Right Out: -31.804 $\pm$ 0.142 χ^2/NDF : 0.0/19

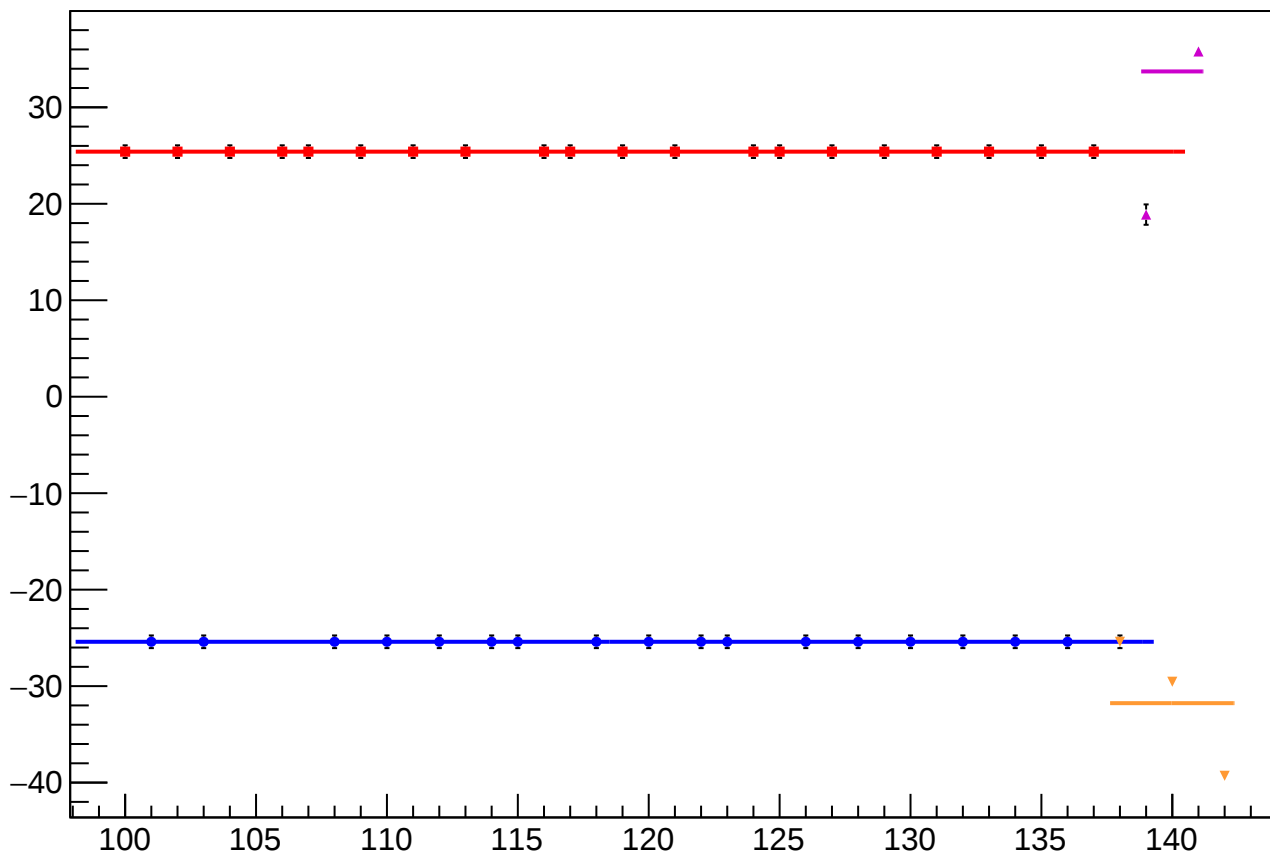
Left In: -43.338 $\pm$ 0.393 χ^2/NDF :72.6/1

32.206 $\pm$ 0.139 χ^2/NDF : 204.3/19

-1.833 $\pm$ 0.096 χ^2/NDF : 115521.1/41

-33.139 $\pm$ 0.134 χ^2/NDF : 834.5/21

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -25.404 ± 0.159 χ^2/NDF : 0.0/16

Left Out: -31.766 ± 0.289 χ^2/NDF : 333.1/2

Right Out: 25.404 ± 0.147 χ^2/NDF : 0.0/19

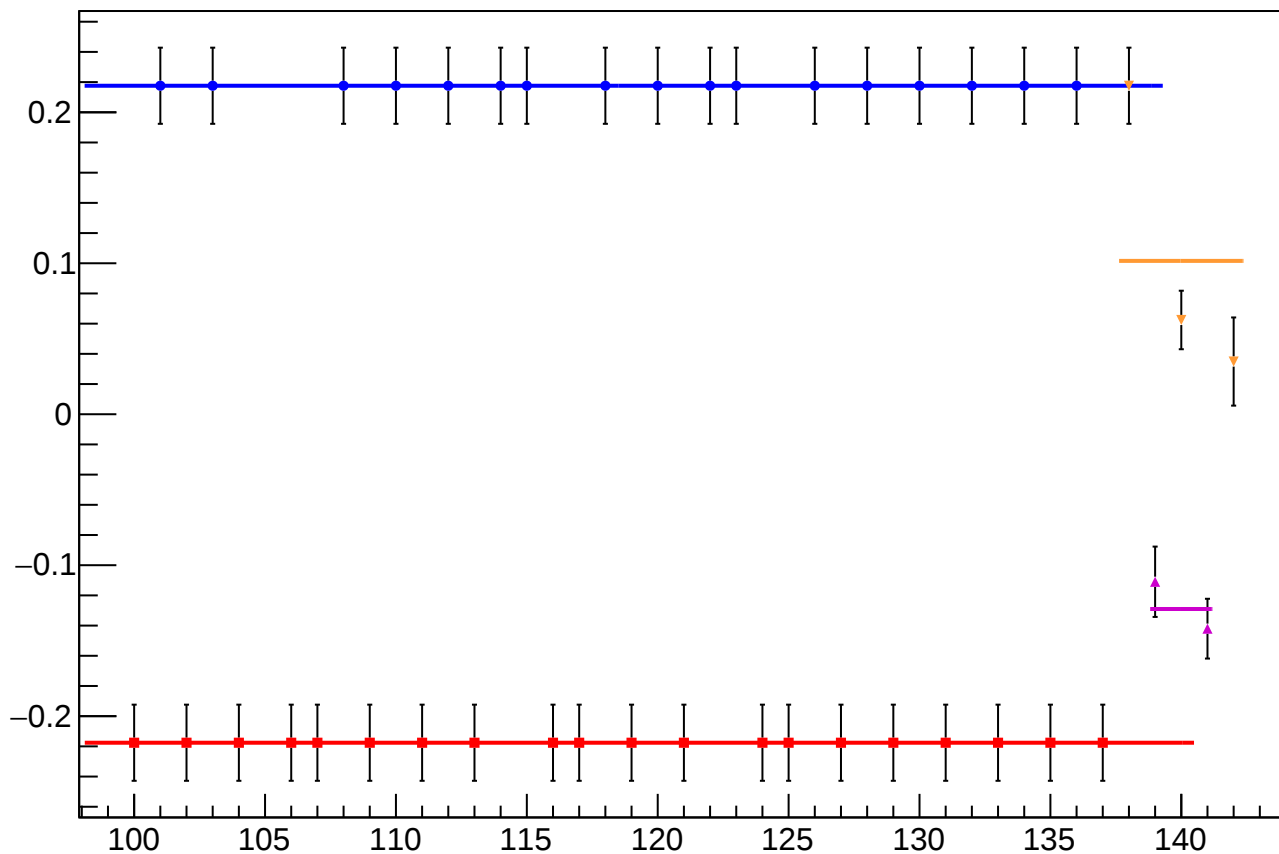
Left In: 33.719 ± 0.369 χ^2/NDF : 225.1/1

-26.885 ± 0.140 χ^2/NDF : 704.3/19

0.419 ± 0.098 χ^2/NDF : 76254.3/41

26.540 ± 0.137 χ^2/NDF : 662.7/21

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

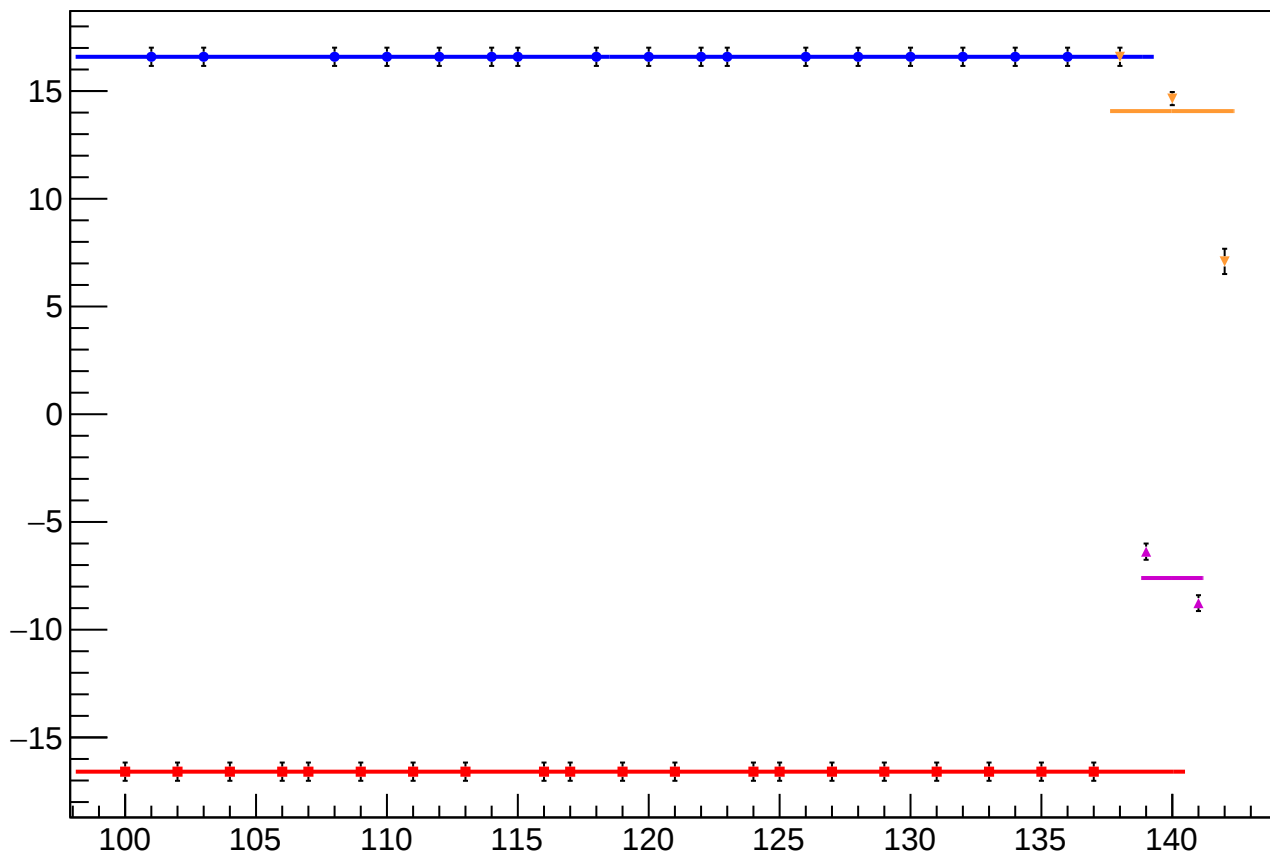
Left In: -0.129 $\pm$ 0.015 χ^2 /NDF:1.0/1

0.198 $\pm$ 0.006 χ^2 /NDF: 91.0/19

-0.015 $\pm$ 0.004 χ^2 /NDF: 2898.6/41

-0.207 $\pm$ 0.005 χ^2 /NDF: 31.3/21

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 16.590 ± 0.103 χ^2/NDF : 0.0/16

Left Out: 14.070 ± 0.228 χ^2/NDF : 180.4/2

Right Out: -16.590 ± 0.095 χ^2/NDF : 0.0/19

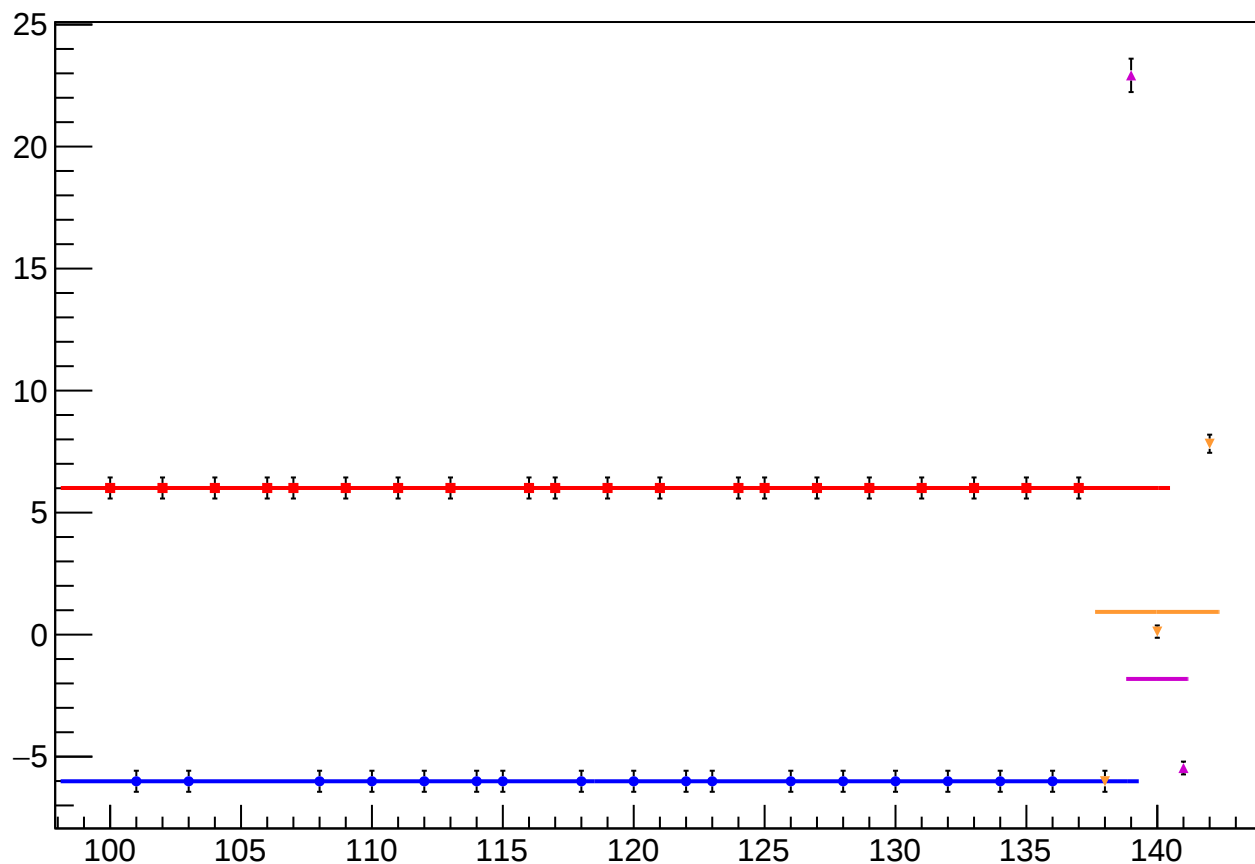
Left In: -7.602 ± 0.263 χ^2/NDF : 20.6/1

16.165 ± 0.094 χ^2/NDF : 281.8/19

-0.487 ± 0.065 χ^2/NDF : 61519.4/41

-15.559 ± 0.089 χ^2/NDF : 1053.0/21

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.009±/0.105 χ^2 /NDF: 0.0/16

Left Out: 0.932±/0.188 χ^2 /NDF:613.1/2

Right Out: 6.009±/0.096 χ^2 /NDF: 0.0/19

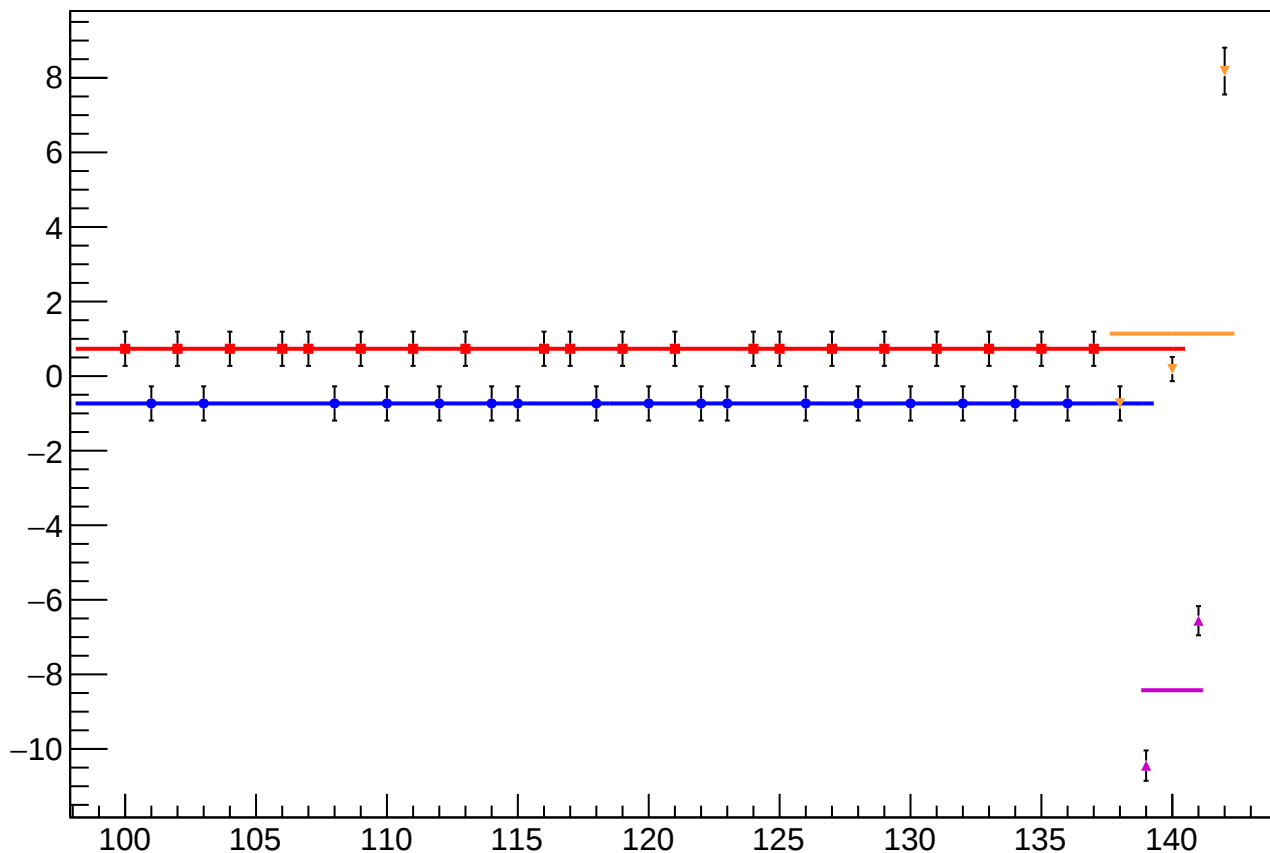
Left In: -1.815±/0.245 χ^2 /NDF:1498.9/1

-4.368±/0.091 χ^2 /NDF: 1652.9/19

0.382±/0.064 χ^2 /NDF: 9332.1/41

4.962±/0.090 χ^2 /NDF: 2379.3/21

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.733 ± 0.111 χ^2/NDF : 0.0/16

Left Out: 1.140 ± 0.245 χ^2/NDF : 150.9/2

Right Out: 0.733 ± 0.103 χ^2/NDF : 0.0/19

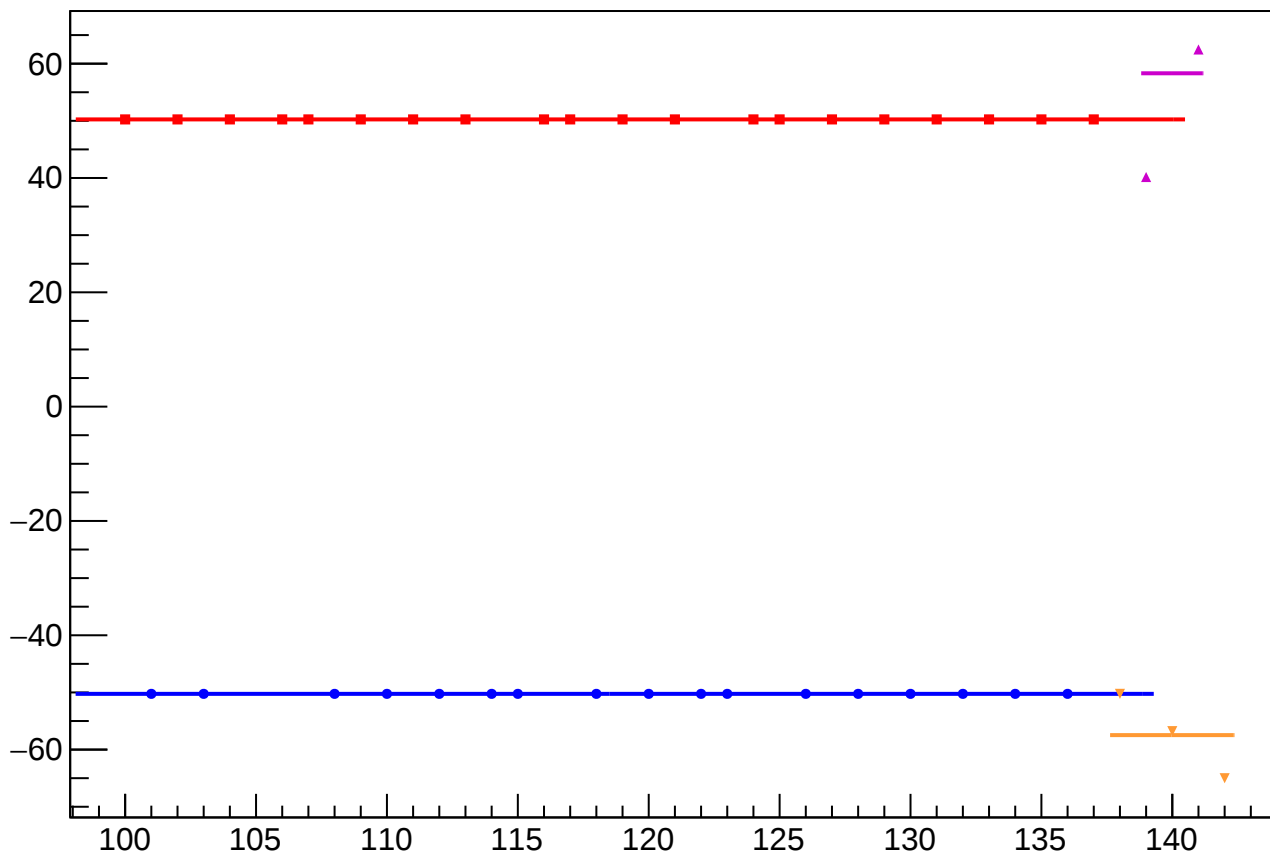
Left In: -8.425 ± 0.282 χ^2/NDF : 47.4/1

-0.411 ± 0.101 χ^2/NDF : 199.5/19

-0.373 ± 0.070 χ^2/NDF : 1177.7/41

-0.339 ± 0.097 χ^2/NDF : 978.0/21

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

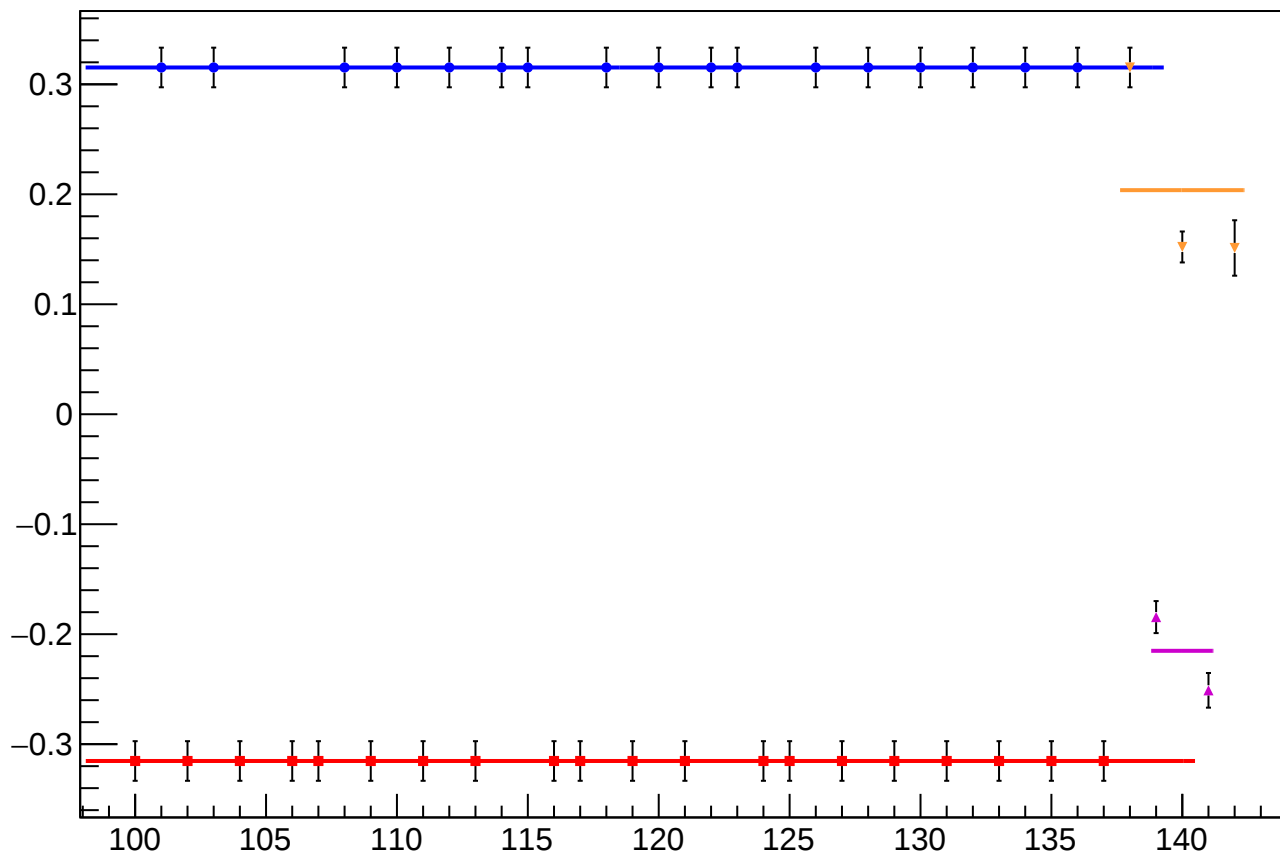
Left In: 58.316 ± 0.285 χ^2/NDF : 931.1/1

-51.837 ± 0.105 χ^2/NDF : 1308.8/19

1.087 ± 0.073 χ^2/NDF : 495166.3/41

51.293 ± 0.103 χ^2/NDF : 1629.0/21

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

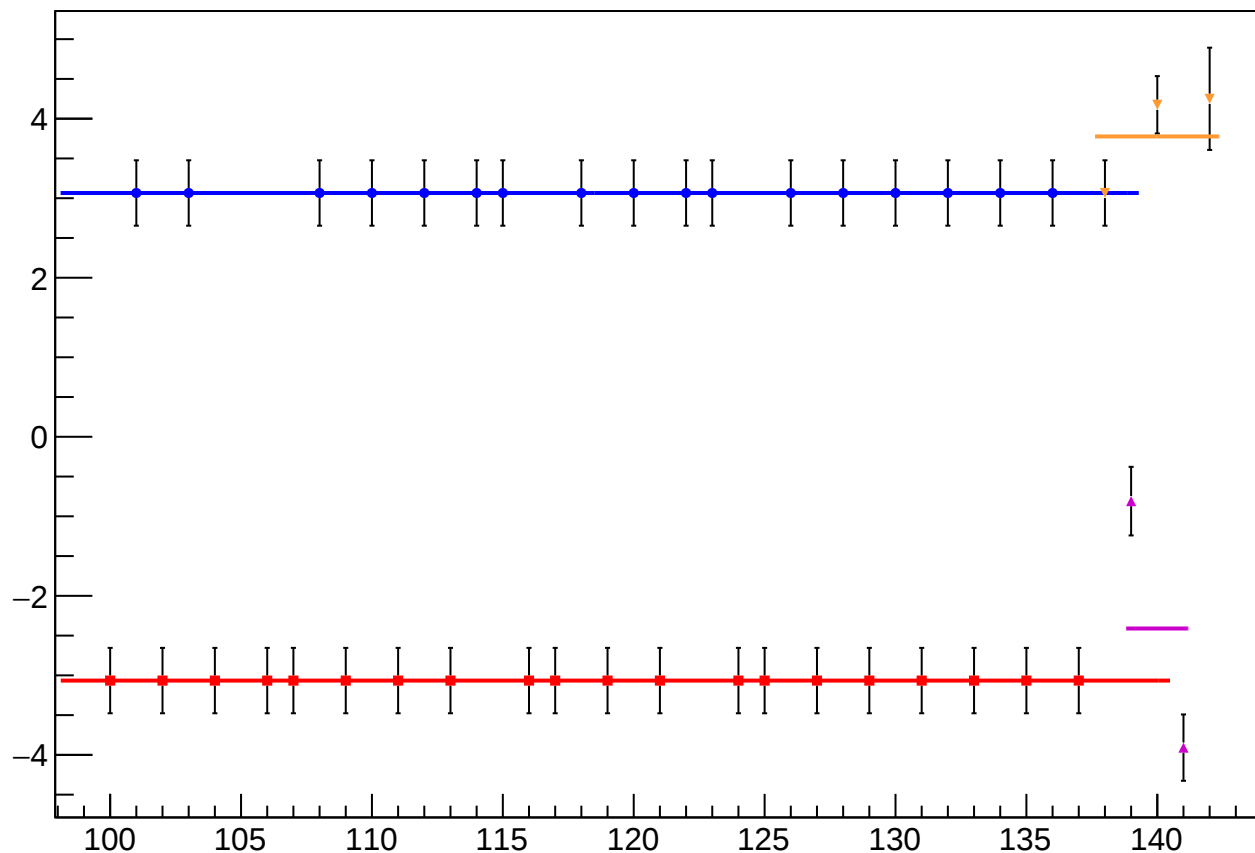
Left In: -0.215 ± 0.011 χ^2/NDF : 9.6/1

0.298 ± 0.004 χ^2/NDF : 158.0/19

-0.021 ± 0.003 χ^2/NDF : 12145.1/41

-0.303 ± 0.004 χ^2/NDF : 86.5/21

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

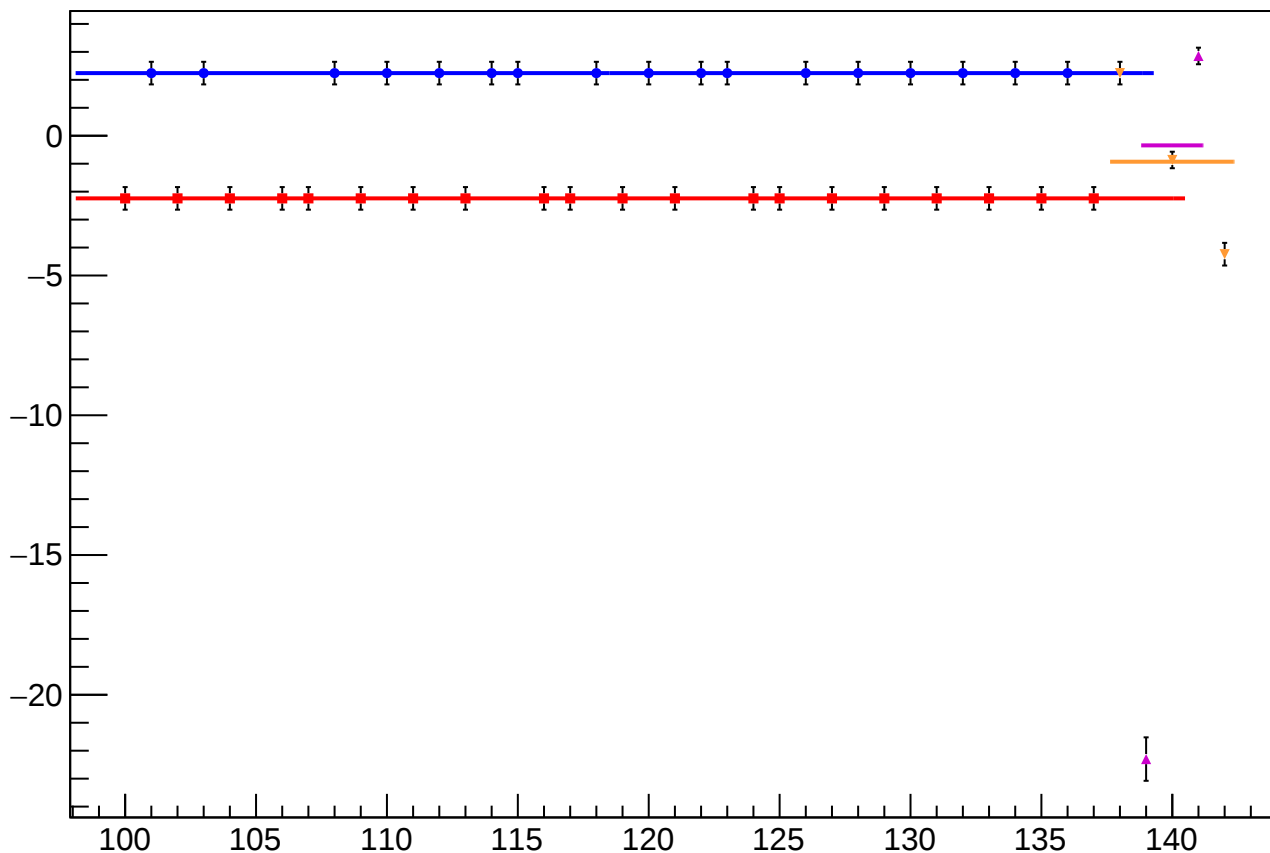
Left In: -2.411 $\pm$ 0.300 χ^2/NDF : 26.7/1

3.163 $\pm$ 0.093 χ^2/NDF : 11.7/19

-0.084 $\pm$ 0.064 χ^2/NDF : 2379.1/41

-3.009 $\pm$ 0.088 χ^2/NDF : 31.0/21

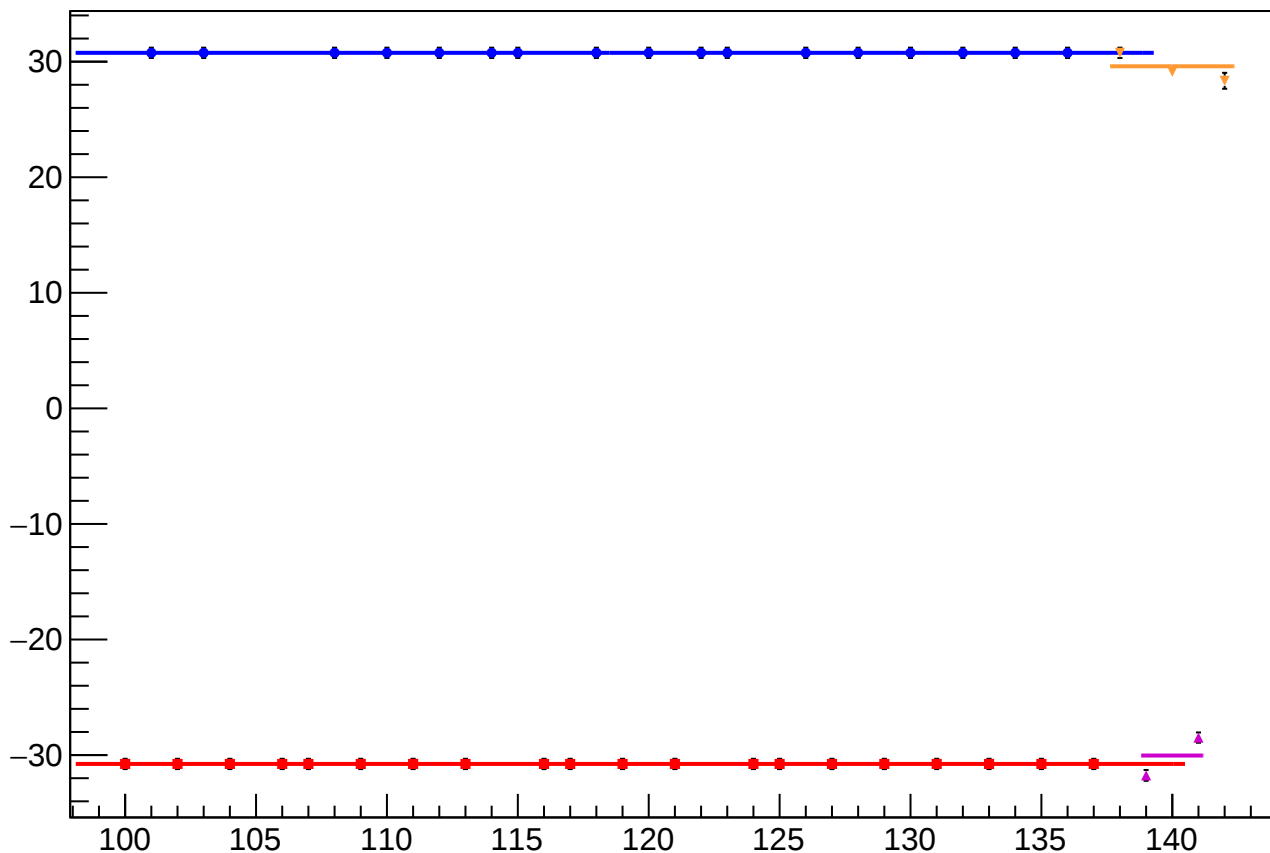
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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
 -0.257 ± 0.062 χ^2/NDF : 2184.1/41
 -2.058 ± 0.086 χ^2/NDF : 956.7/21

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

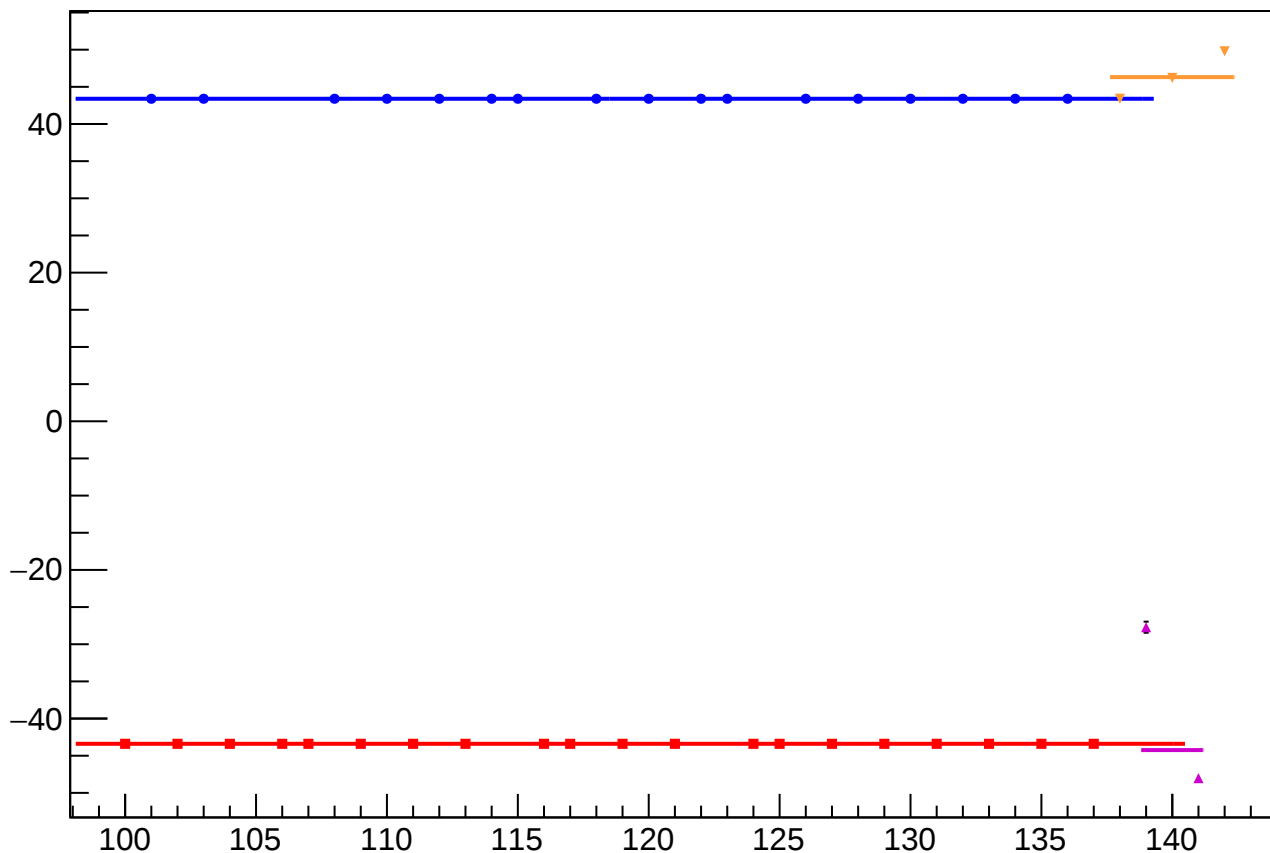
Left In: -30.038 $\pm$ 0.322 χ^2/NDF : 25.8/1

30.602 $\pm$ 0.100 χ^2/NDF : 27.9/19

-1.633 $\pm$ 0.069 χ^2/NDF : 196603.5/41

-30.701 $\pm$ 0.095 χ^2/NDF : 30.5/21

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.396 $\pm$ 0.113 χ^2 /NDF: 0.0/16

Left Out: 46.309 $\pm$ 0.245 χ^2 /NDF: 89.1/2

Right Out: -43.396 $\pm$ 0.104 χ^2 /NDF: 0.0/19

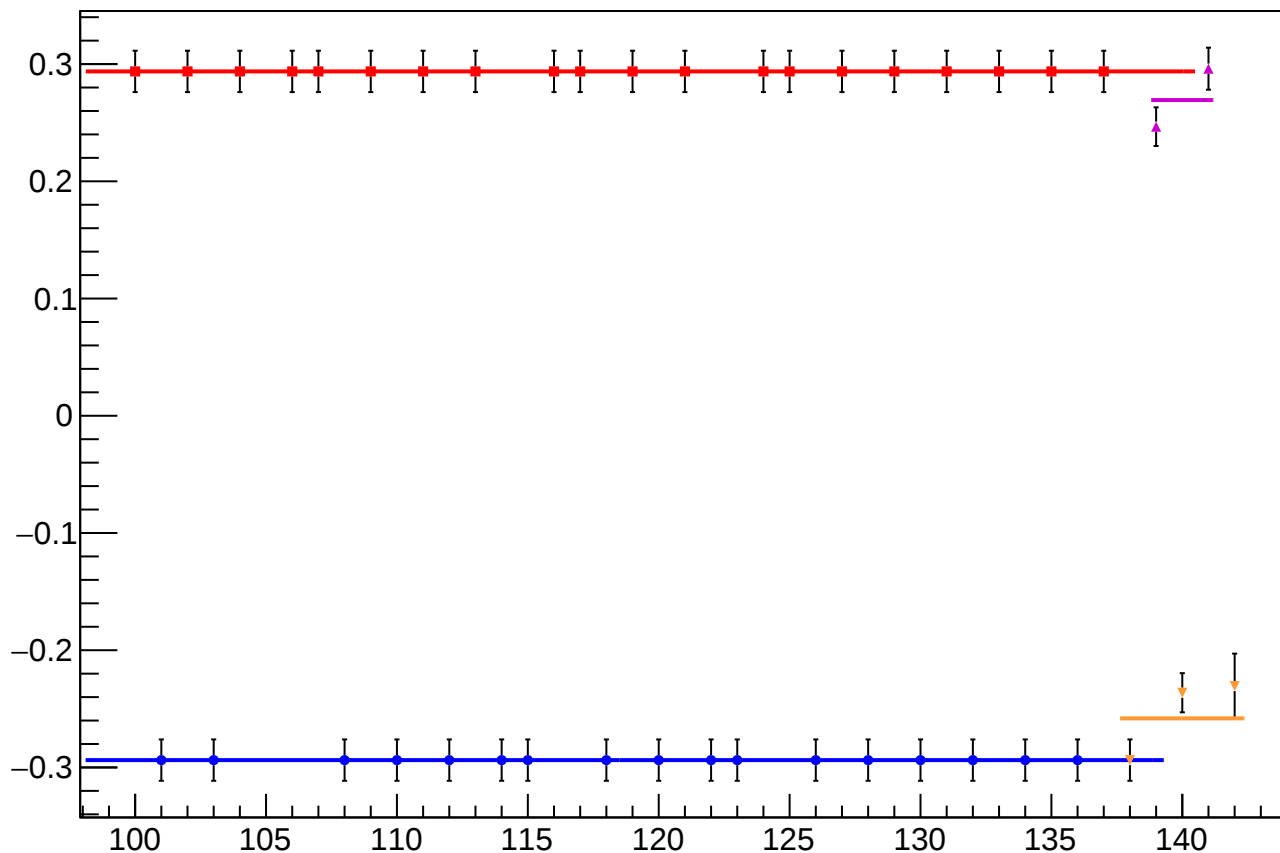
Left In: -44.243 $\pm$ 0.323 χ^2 /NDF: 599.7/1

43.904 $\pm$ 0.102 χ^2 /NDF: 205.6/19

-1.310 $\pm$ 0.071 χ^2 /NDF: 377542.2/41

-43.476 $\pm$ 0.099 χ^2 /NDF: 605.9/21

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

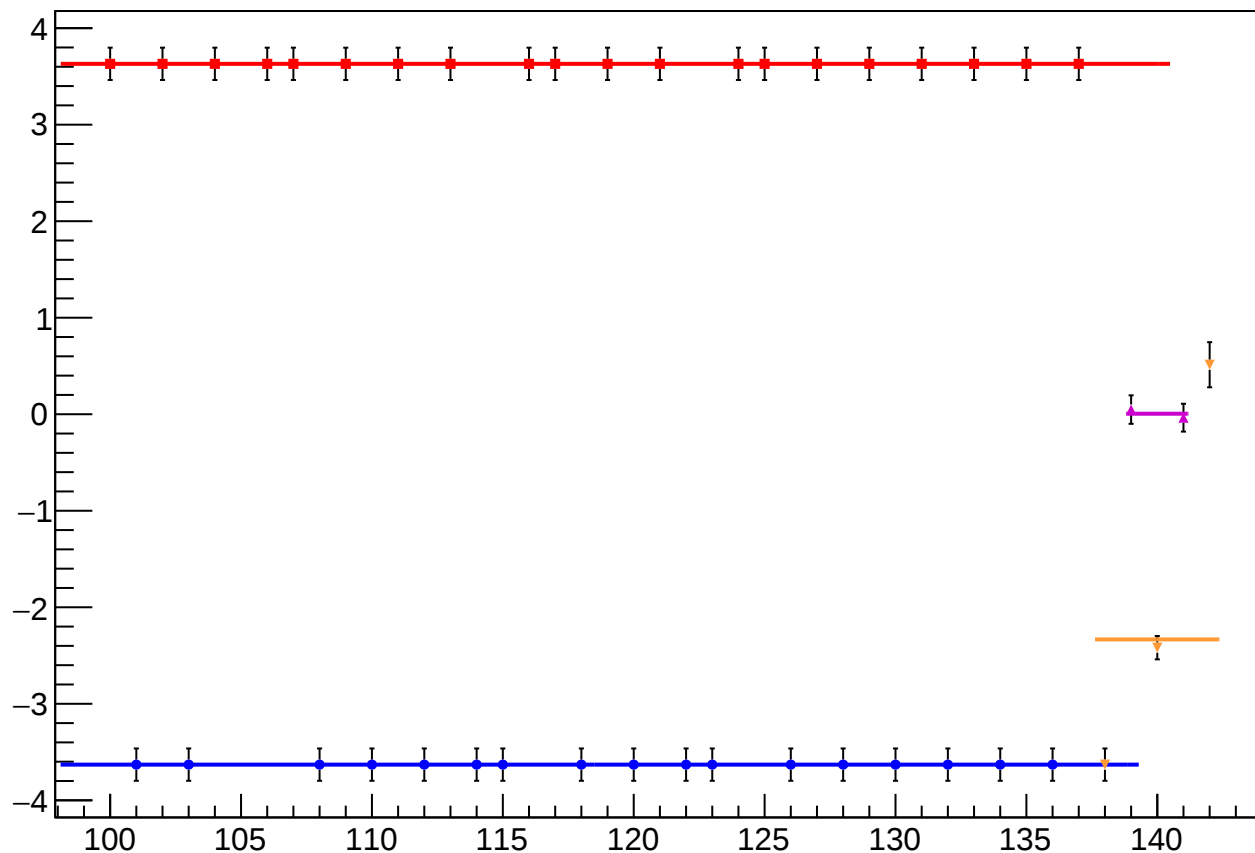
Left In: 0.269 $\pm$ 0.012 χ^2/NDF : 4.1/1

-0.289 $\pm$ 0.004 χ^2/NDF : 15.7/19

0.019 $\pm$ 0.003 χ^2/NDF : 11246.9/41

0.291 $\pm$ 0.004 χ^2/NDF : 7.8/21

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.630 ± 0.041 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -2.333 ± 0.091 $\chi^2/\text{NDF}: 208.6/2$

Right Out: 3.630 ± 0.037 $\chi^2/\text{NDF}: 0.0/19$

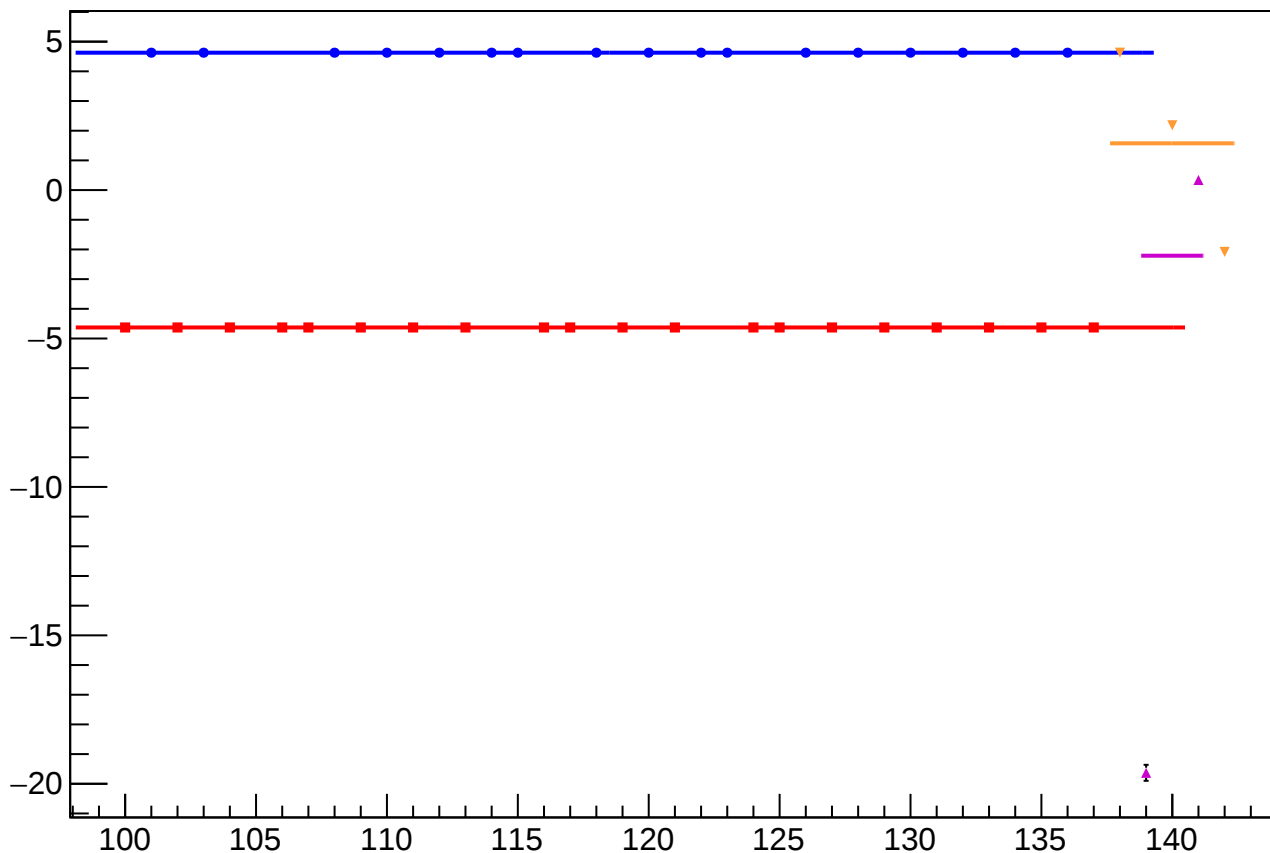
Left In: 0.005 ± 0.103 $\chi^2/\text{NDF}: 0.2/1$

-3.413 ± 0.037 $\chi^2/\text{NDF}: 379.6/19$

0.068 ± 0.026 $\chi^2/\text{NDF}: 18240.1/41$

3.208 ± 0.035 $\chi^2/\text{NDF}: 1091.8/21$

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

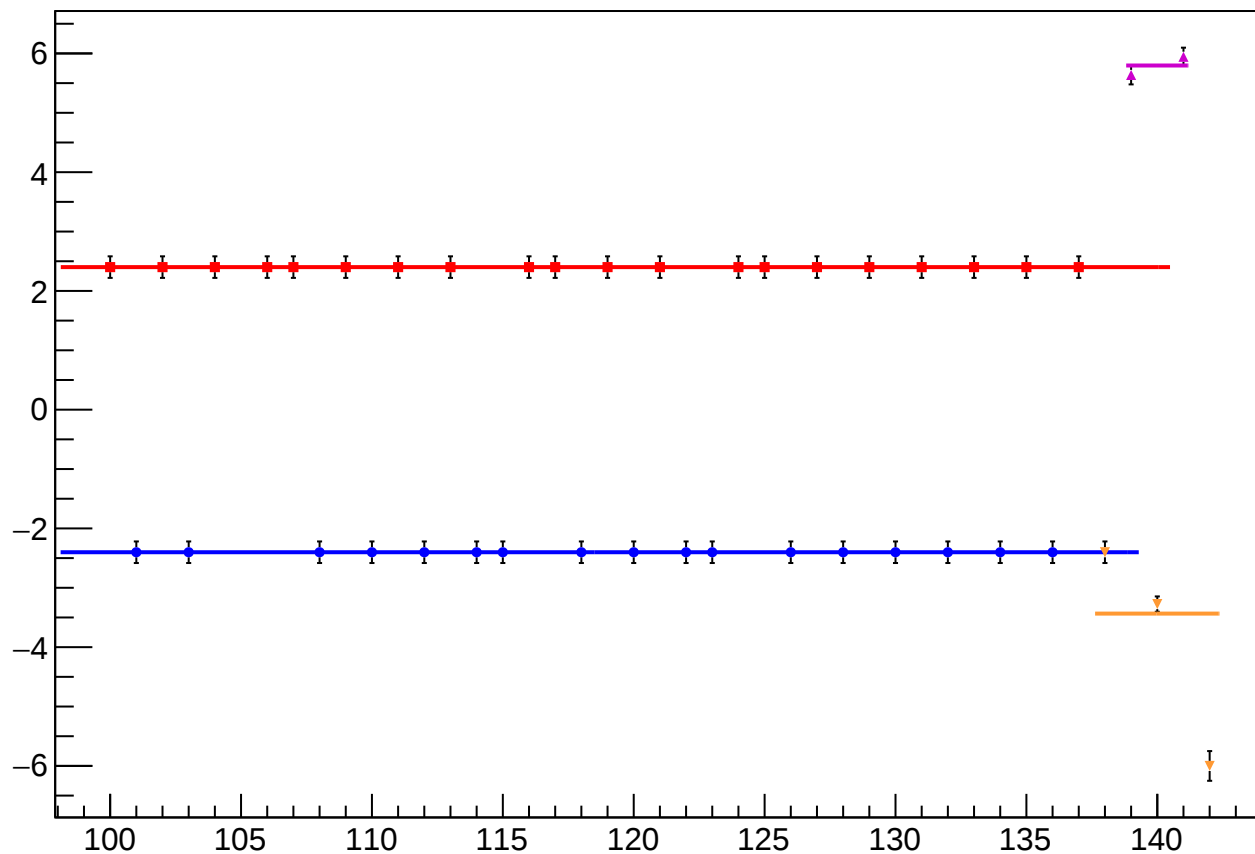
Left In: -2.211 $\pm$ 0.096 χ^2 /NDF: 4807.2/1

3.917 $\pm$ 0.036 χ^2 /NDF: 2264.1/19

-0.278 $\pm$ 0.025 χ^2 /NDF: 34337.4/41

-4.304 $\pm$ 0.035 χ^2 /NDF: 5354.6/21

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.401 $\pm$ 0.044 χ^2/NDF : 0.0/16

Left Out: -3.435 $\pm$ 0.097 χ^2/NDF : 139.0/2

Right Out: 2.401 $\pm$ 0.041 χ^2/NDF : 0.0/19

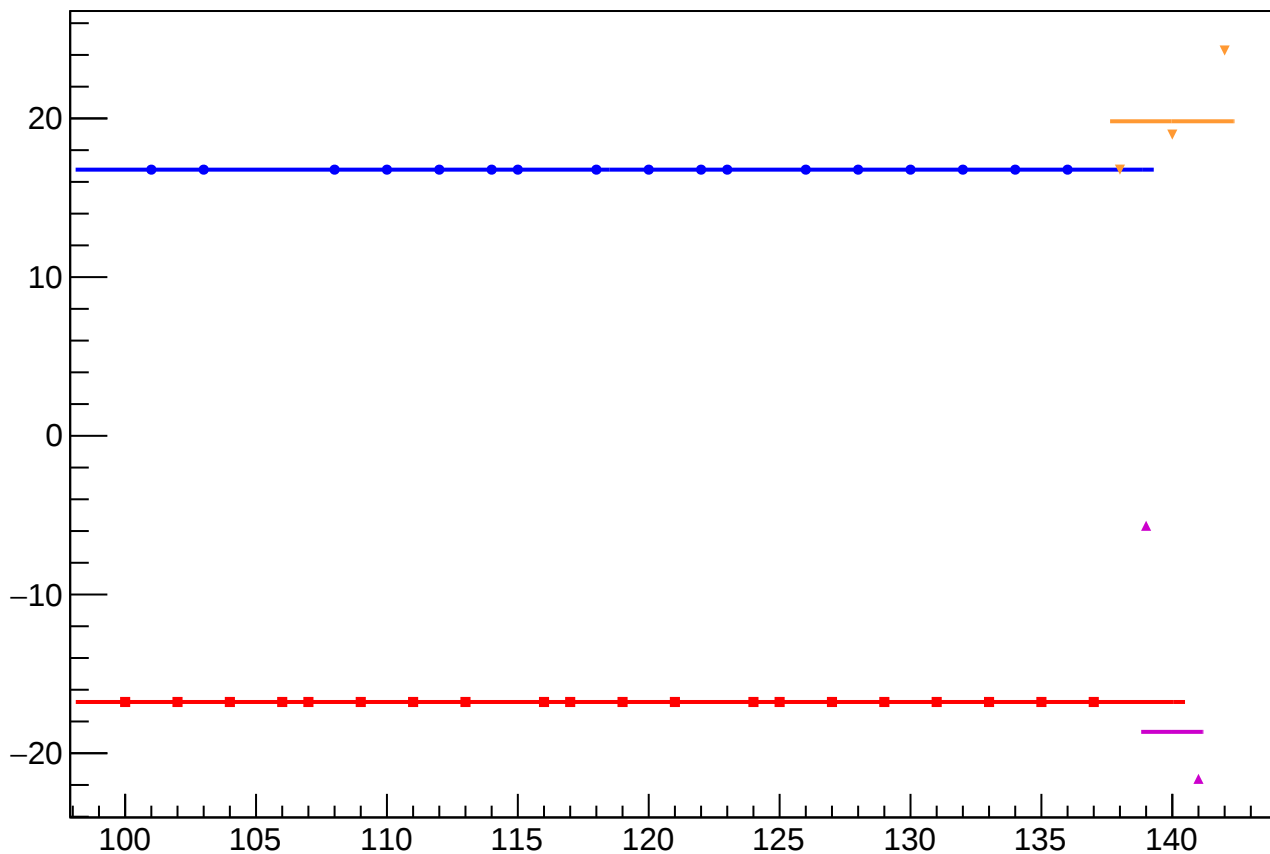
Left In: 5.797 $\pm$ 0.110 χ^2/NDF : 1.9/1

-2.578 $\pm$ 0.040 χ^2/NDF : 233.2/19

0.250 $\pm$ 0.028 χ^2/NDF : 10532.2/41

2.805 $\pm$ 0.038 χ^2/NDF : 834.0/21

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

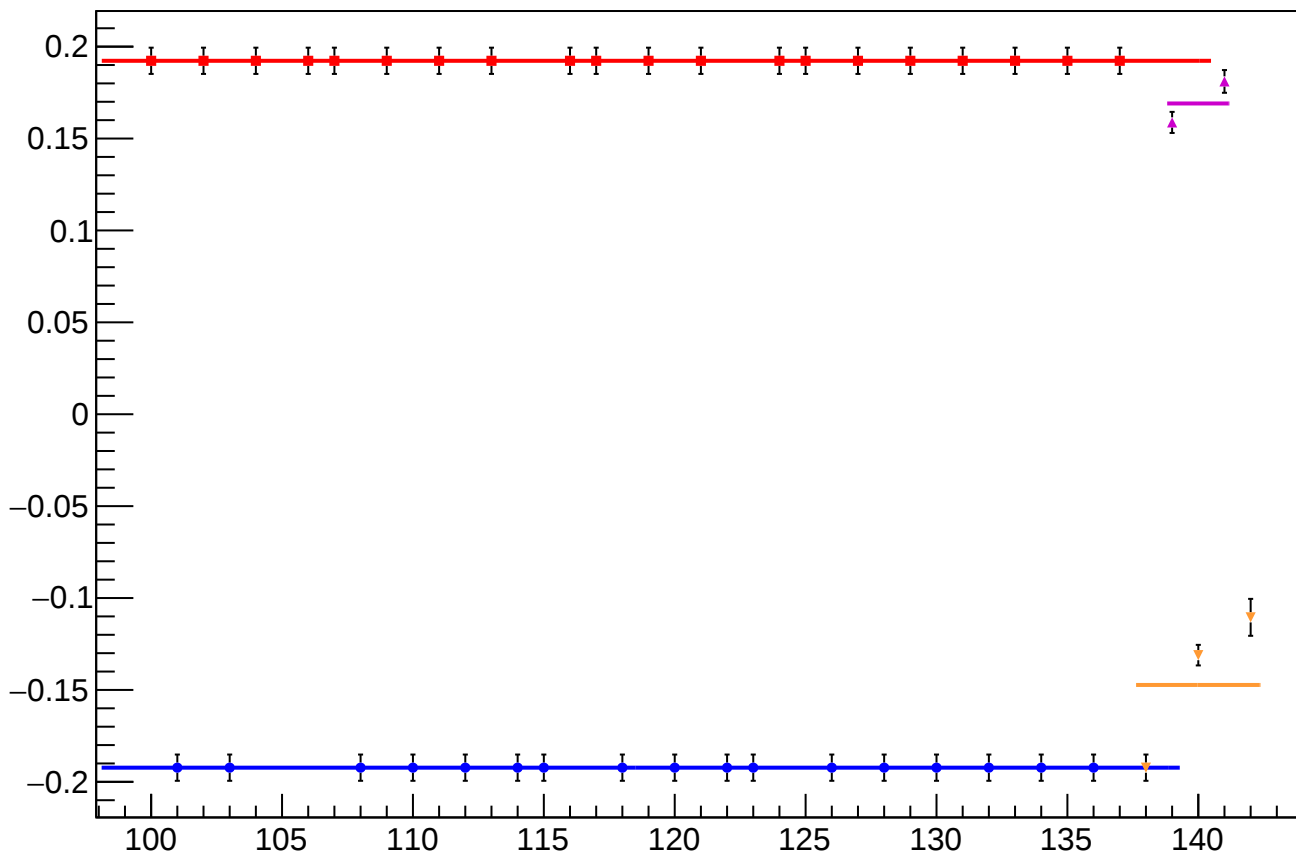
Left In: -18.654 $\pm$ 0.112 χ^2/NDF : 3079.9/1

17.433 $\pm$ 0.041 χ^2/NDF : 1836.7/19

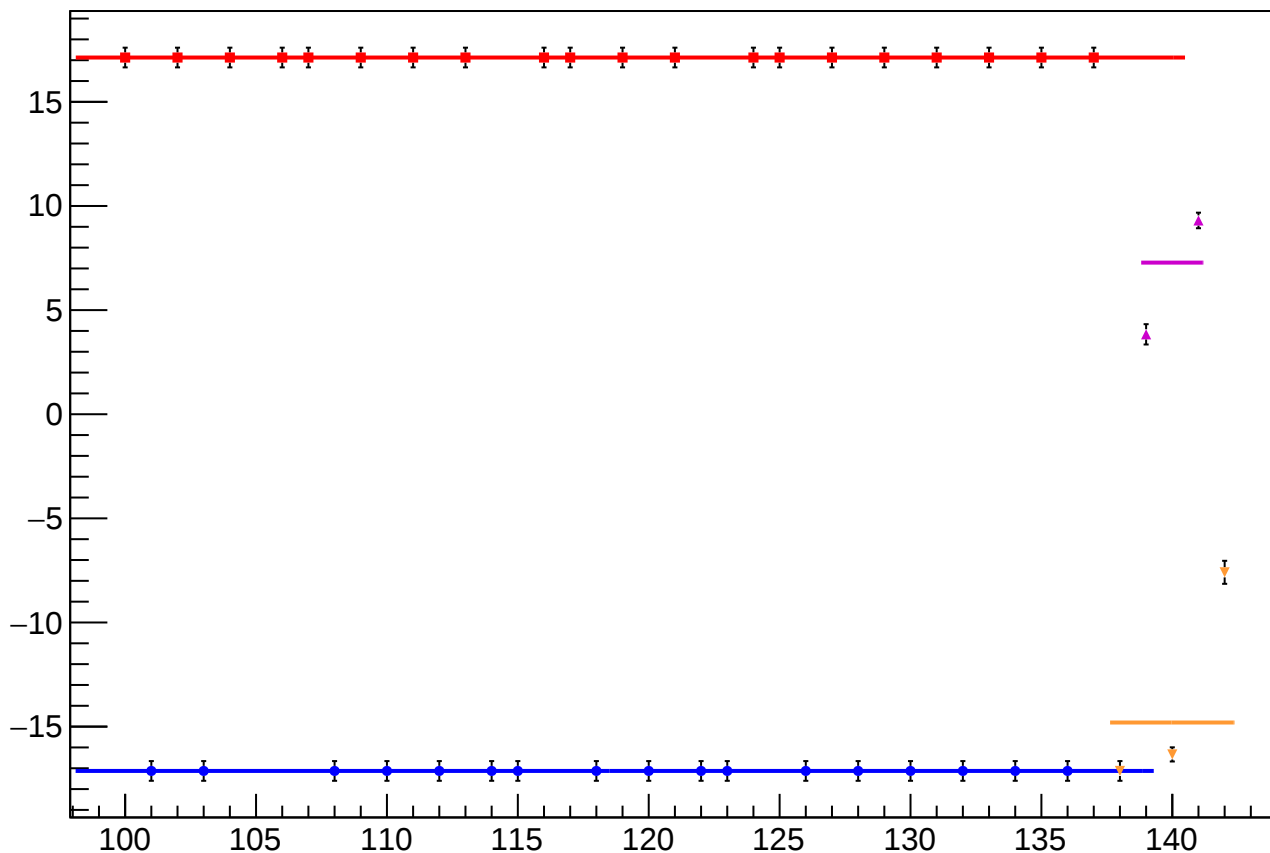
-0.282 $\pm$ 0.029 χ^2/NDF : 360466.8/41

-17.016 $\pm$ 0.040 χ^2/NDF : 3327.0/21

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

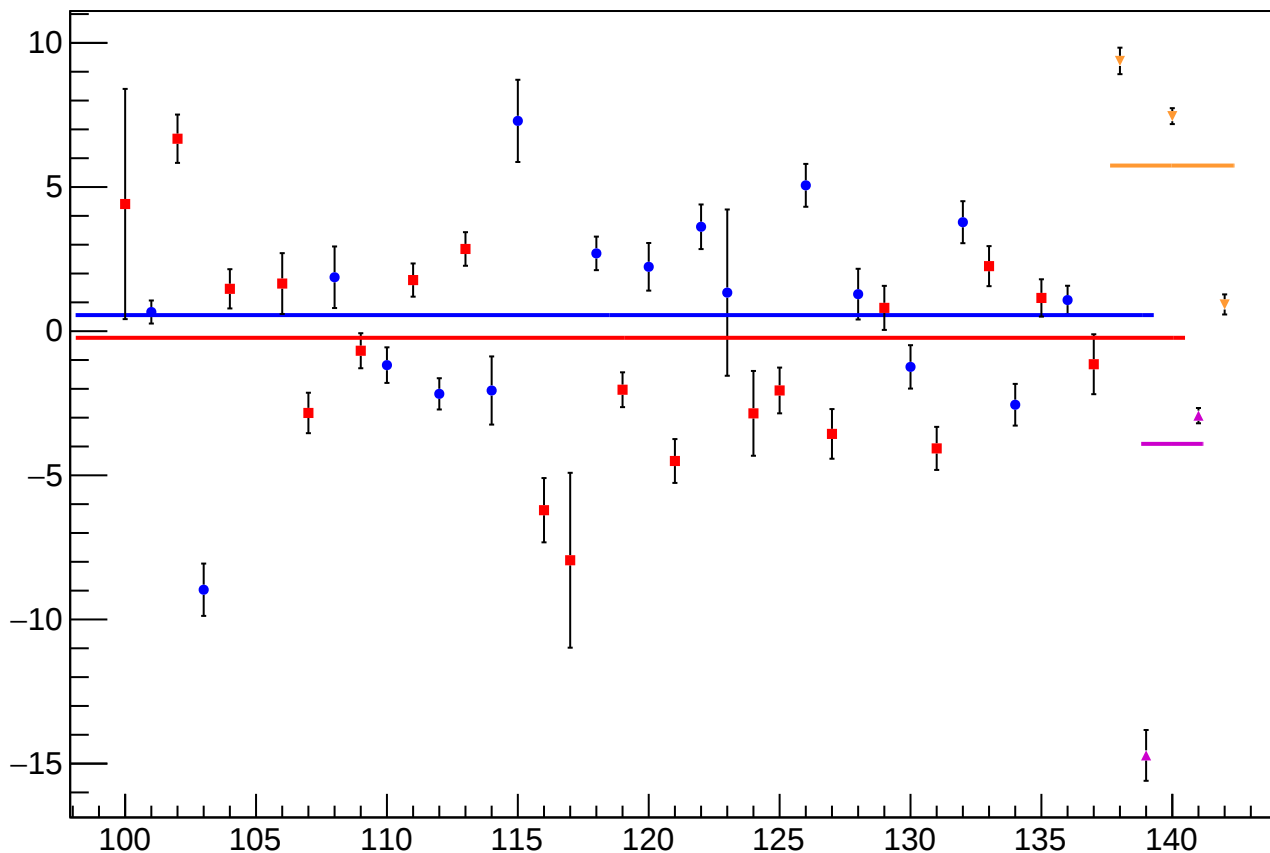
Left In: 7.281 ± 0.297 χ^2/NDF : 79.2/1

-16.715 ± 0.104 χ^2/NDF : 287.5/19

0.360 ± 0.072 χ^2/NDF : 52884.7/41

16.016 ± 0.100 χ^2/NDF : 1056.2/21

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

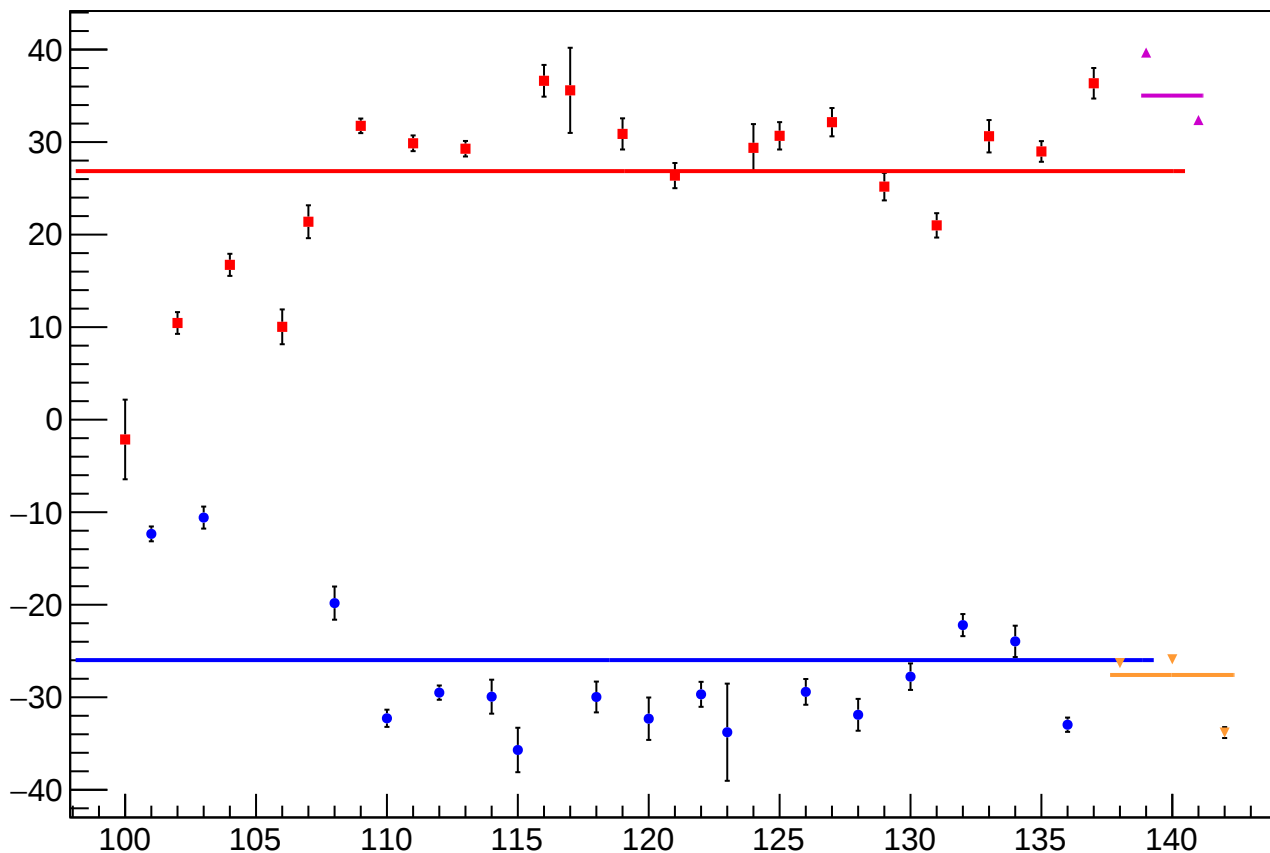
Left In: -3.909 ± 0.254 χ^2/NDF : 164.0/1

2.790 ± 0.128 χ^2/NDF : 979.7/19

0.925 ± 0.096 χ^2/NDF : 2039.2/41

-1.408 ± 0.144 χ^2/NDF : 585.3/21

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

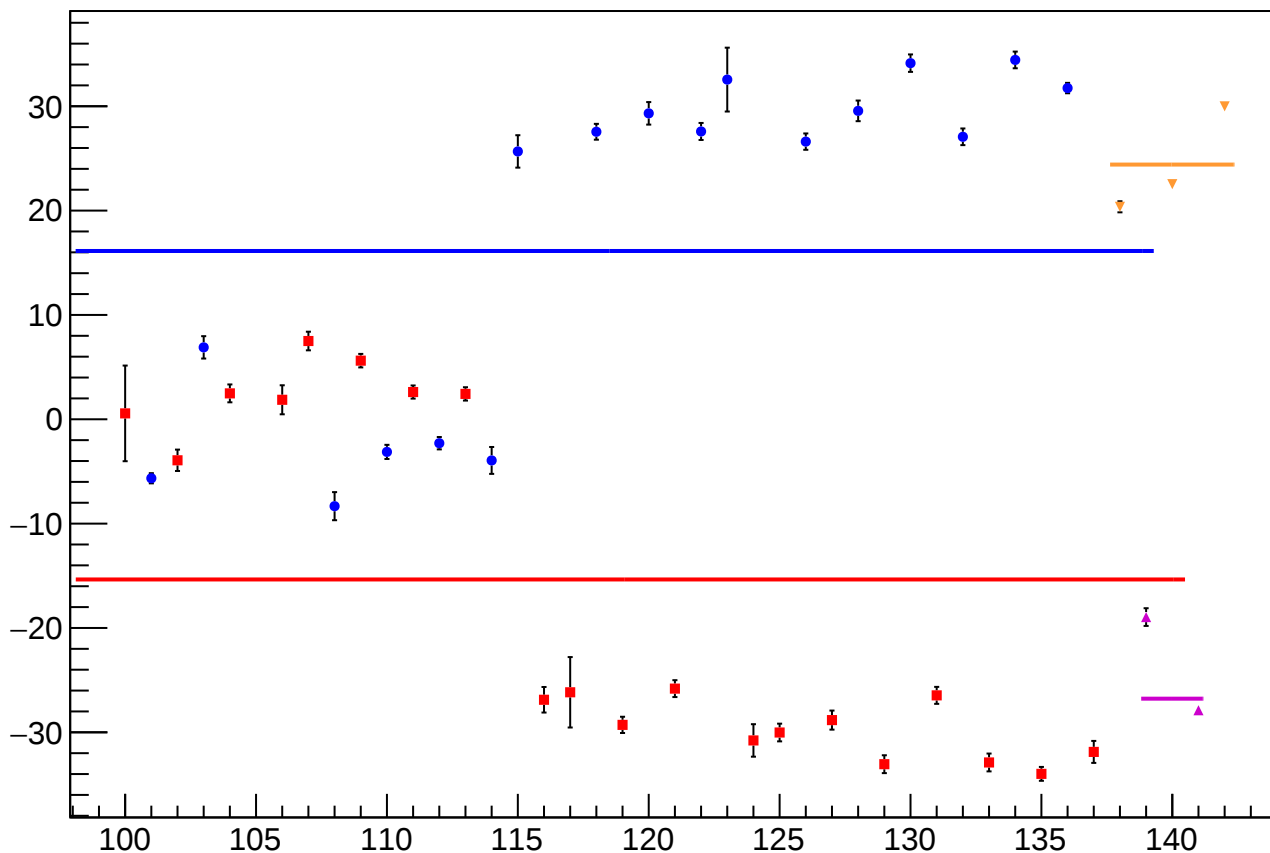
Left In: 35.023+/-0.318 χ^2/NDF :121.8/1

-26.888+/-0.199 χ^2/NDF : 846.4/19

-0.646+/-0.146 χ^2/NDF : 40209.5/41

30.670+/-0.217 χ^2/NDF : 1059.3/21

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129 ± 0.192 χ^2/NDF : 7572.5/16

Left Out: 24.411 ± 0.235 χ^2/NDF : 264.0/2

Right Out: -15.352 ± 0.197 χ^2/NDF : 7288.4/19

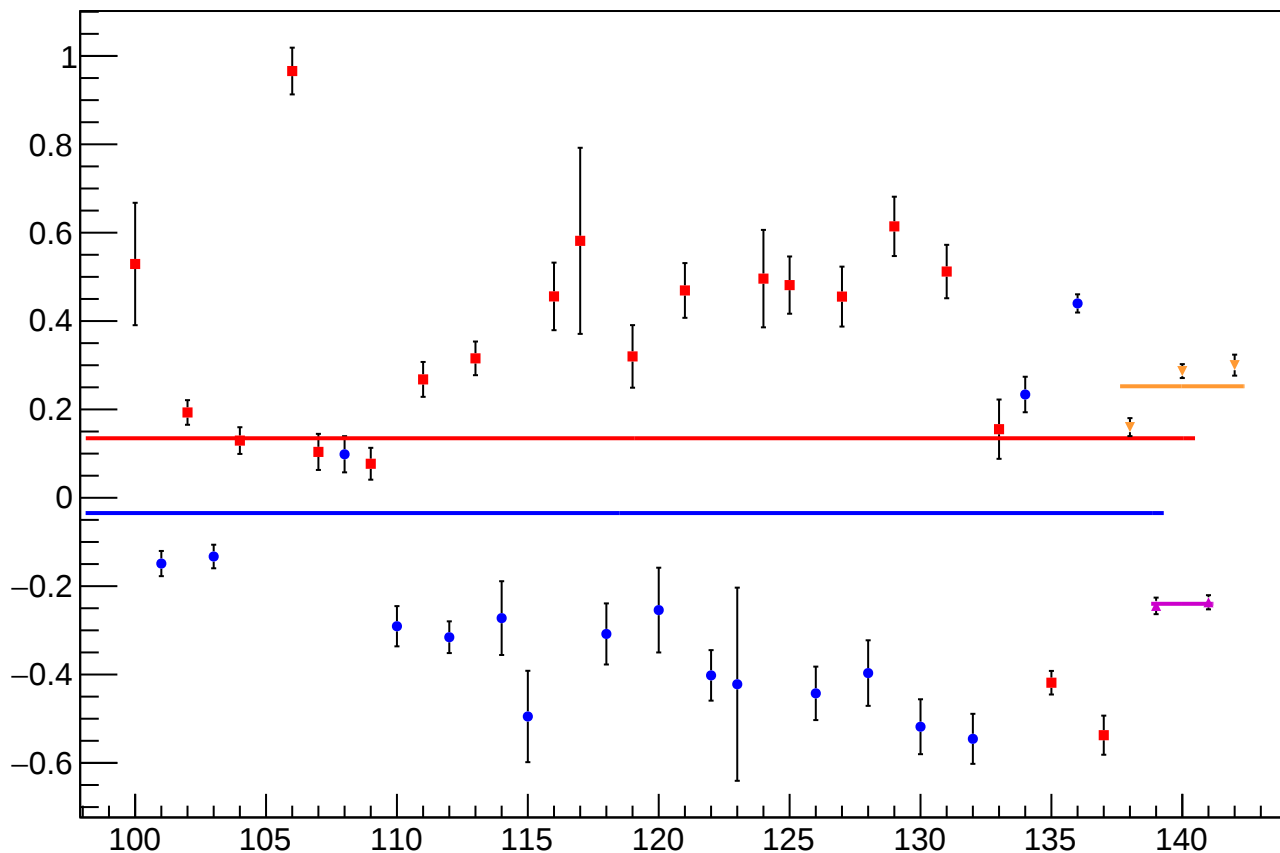
Left In: -26.776 ± 0.299 χ^2/NDF : 97.0/1

19.446 ± 0.149 χ^2/NDF : 8581.4/19

2.232 ± 0.110 χ^2/NDF : 46762.2/41

-18.799 ± 0.164 χ^2/NDF : 8403.5/21

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

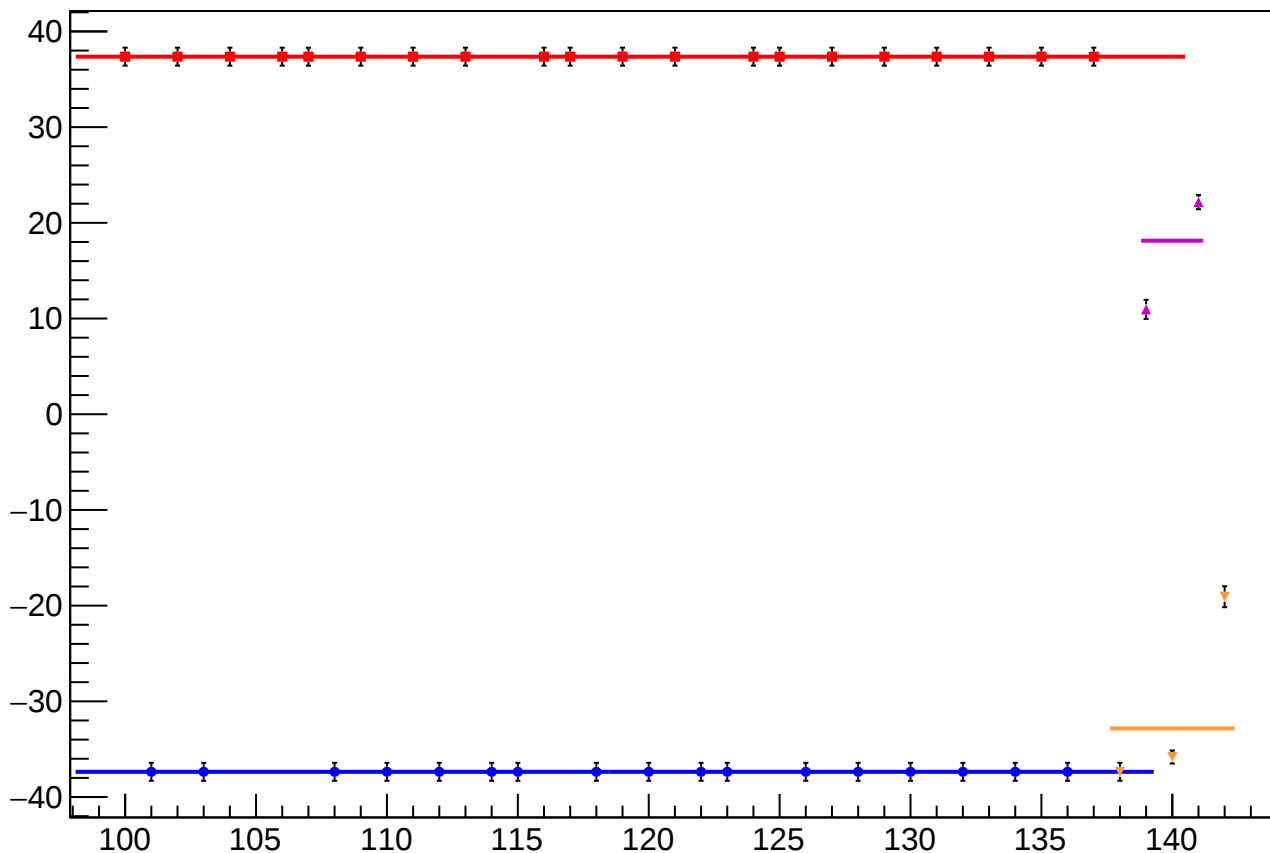
Left In: -0.240 ± 0.012 χ^2/NDF : 0.1/1

0.100 ± 0.008 χ^2/NDF : 1401.6/19

0.041 ± 0.005 χ^2/NDF : 3241.9/41

-0.023 ± 0.008 χ^2/NDF : 1715.1/21

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -37.364 ± 0.228 χ^2/NDF : 0.0/16

Left Out: -32.831 ± 0.494 χ^2/NDF : 200.9/2

Right Out: 37.364 ± 0.210 χ^2/NDF : 0.0/19

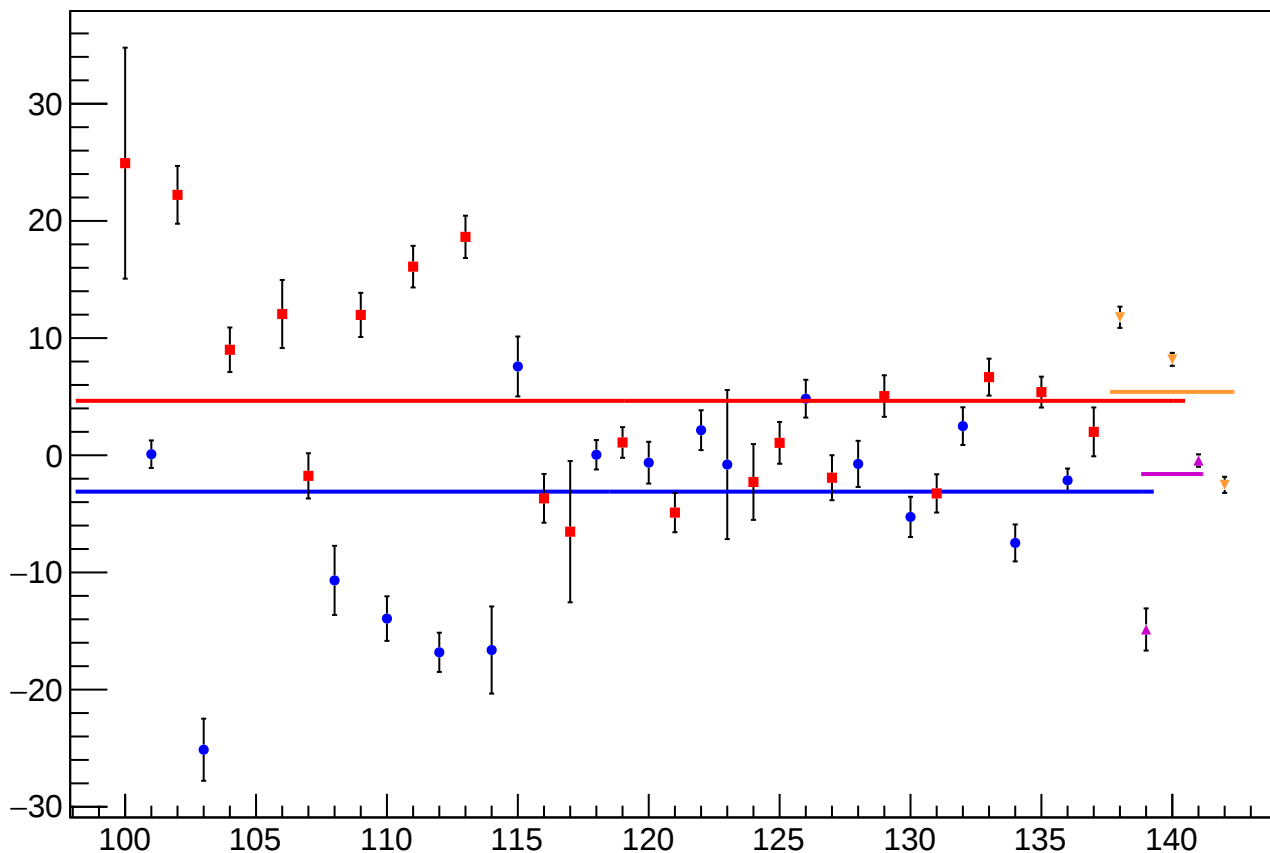
Left In: 18.135 ± 0.599 χ^2/NDF : 80.8/1

-36.569 ± 0.207 χ^2/NDF : 270.4/19

0.880 ± 0.143 χ^2/NDF : 64141.2/41

35.258 ± 0.198 χ^2/NDF : 999.4/21

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

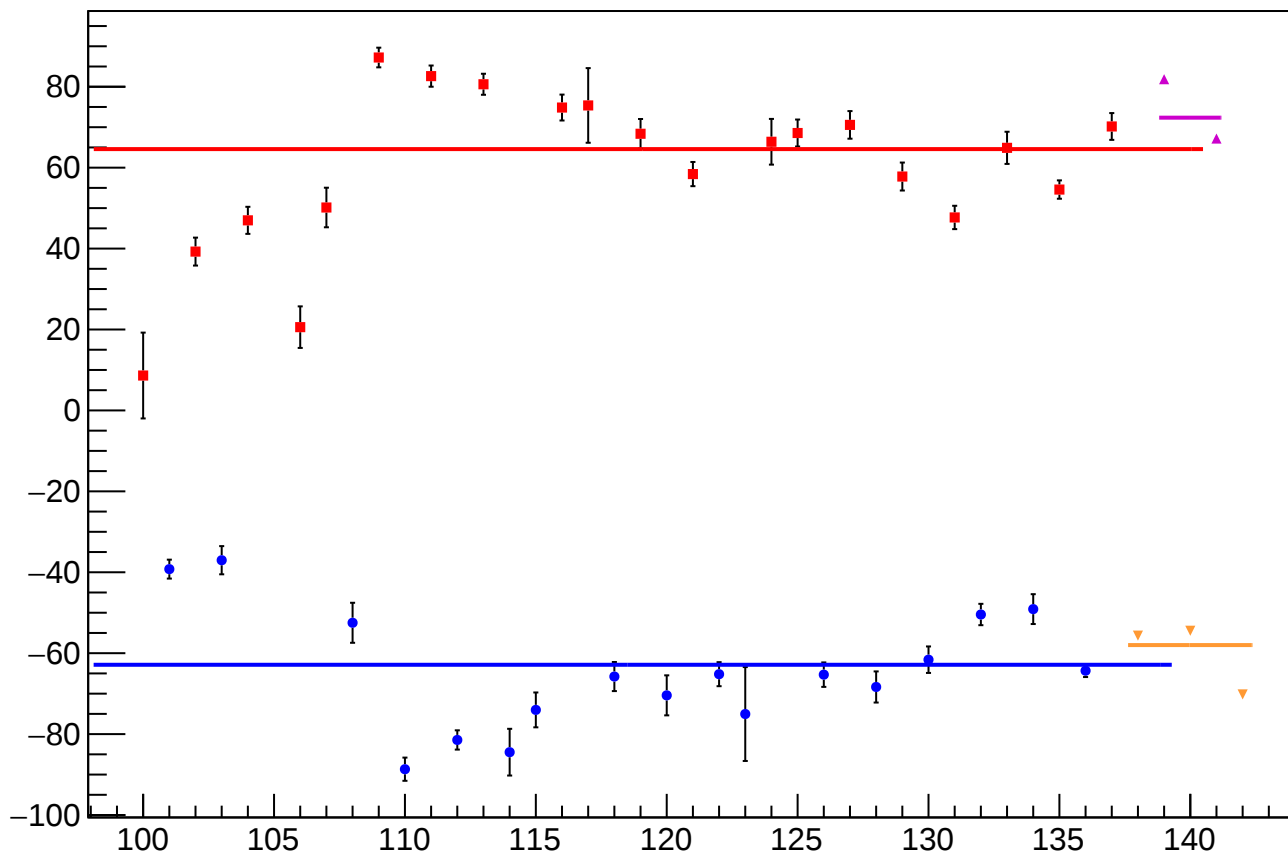
Left In: -1.601 ± 0.509 χ^2/NDF : 59.0/1

1.376 ± 0.283 χ^2/NDF : 712.0/19

1.675 ± 0.214 χ^2/NDF : 1163.4/41

2.074 ± 0.326 χ^2/NDF : 448.9/21

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -57.995 ± 0.529 χ^2/NDF : 137.5/2

Right Out: 64.588 ± 0.749 χ^2/NDF : 445.6/19

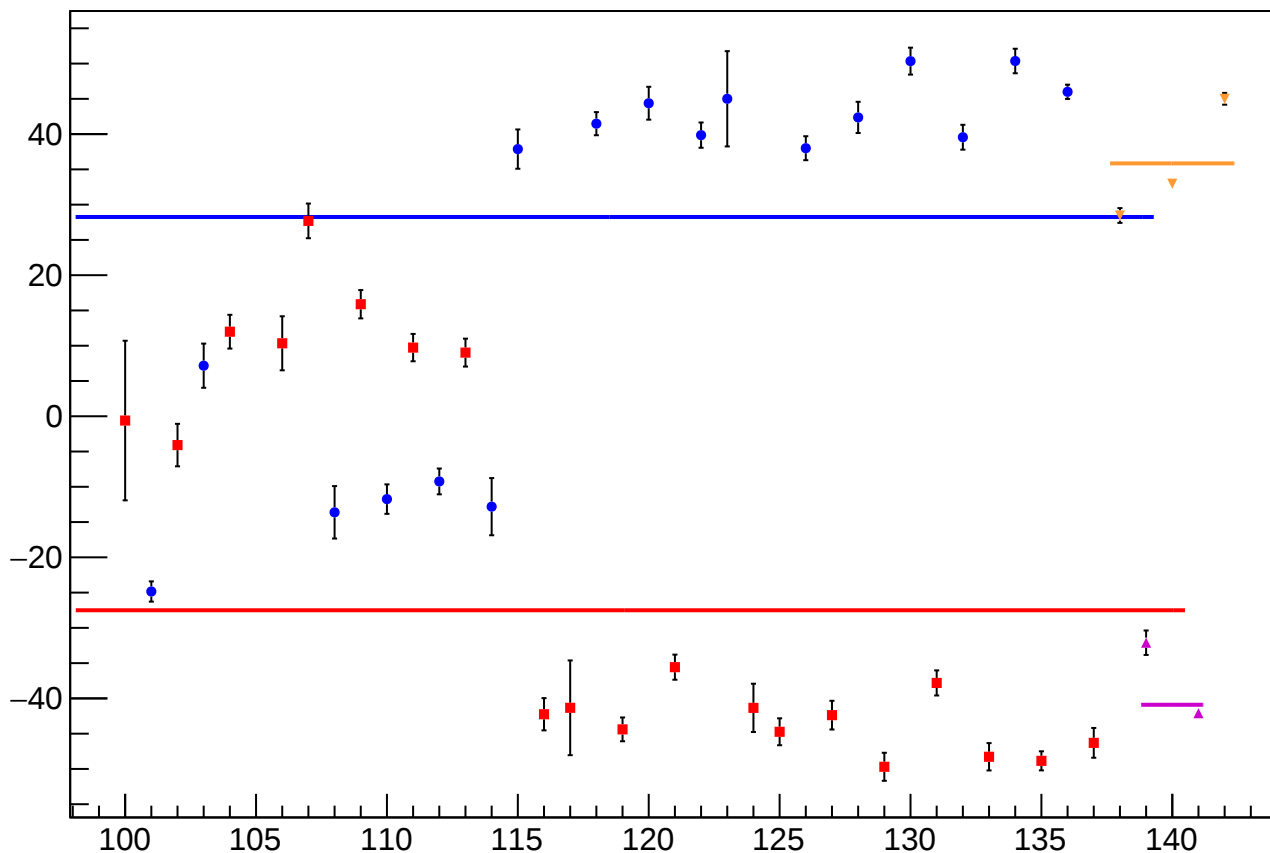
Left In: 72.355 ± 0.641 χ^2/NDF : 119.5/1

-59.639 ± 0.430 χ^2/NDF : 534.8/19

-3.194 ± 0.322 χ^2/NDF : 40388.6/41

69.075 ± 0.487 χ^2/NDF : 627.2/21

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250+/-0.460 χ^2/NDF : 3319.5/16

Left Out: 35.849+/-0.468 χ^2/NDF :188.1/2

Right Out: -27.505+/-0.478 χ^2/NDF : 3036.7/19

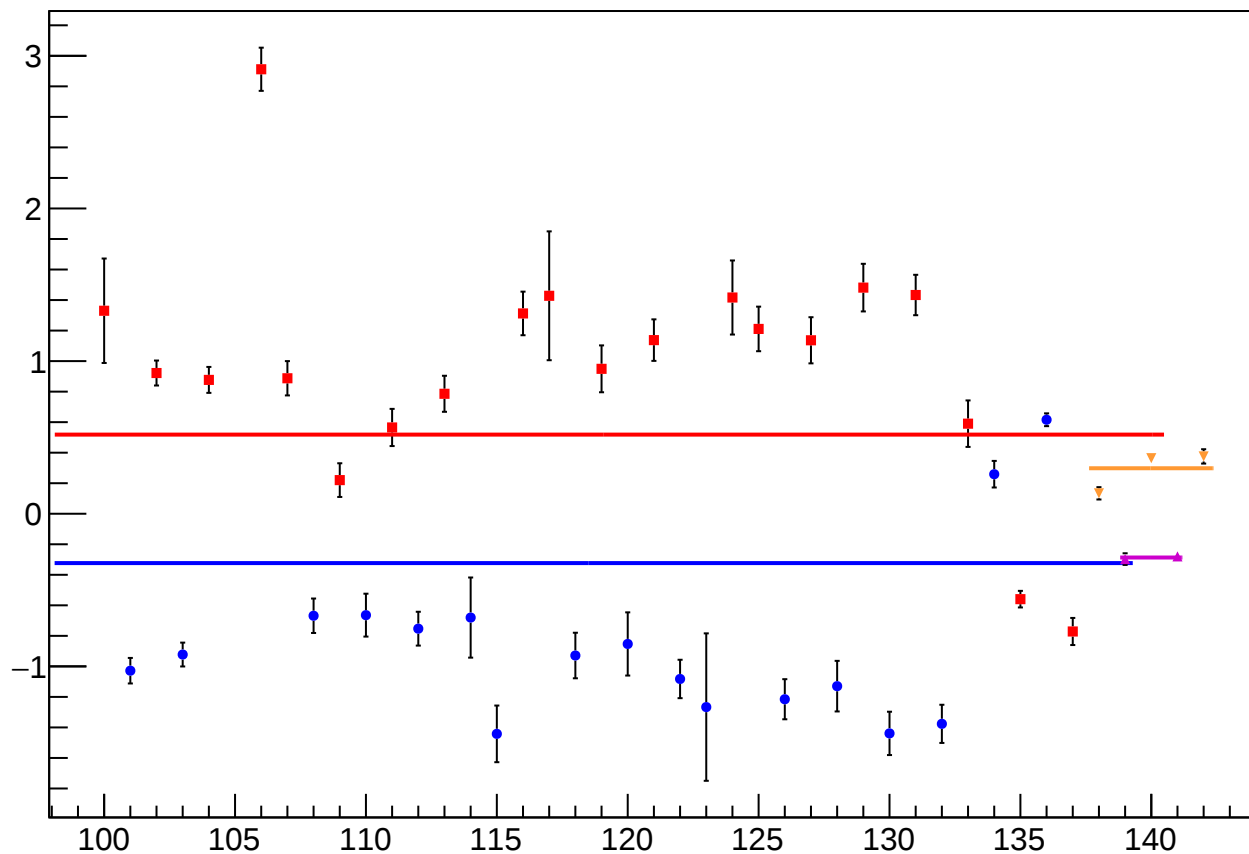
Left In: -40.903+/-0.600 χ^2/NDF :29.3/1

31.983+/-0.328 χ^2/NDF : 3641.7/19

3.812+/-0.247 χ^2/NDF : 23929.5/41

-32.701+/-0.374 χ^2/NDF : 3371.2/21

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

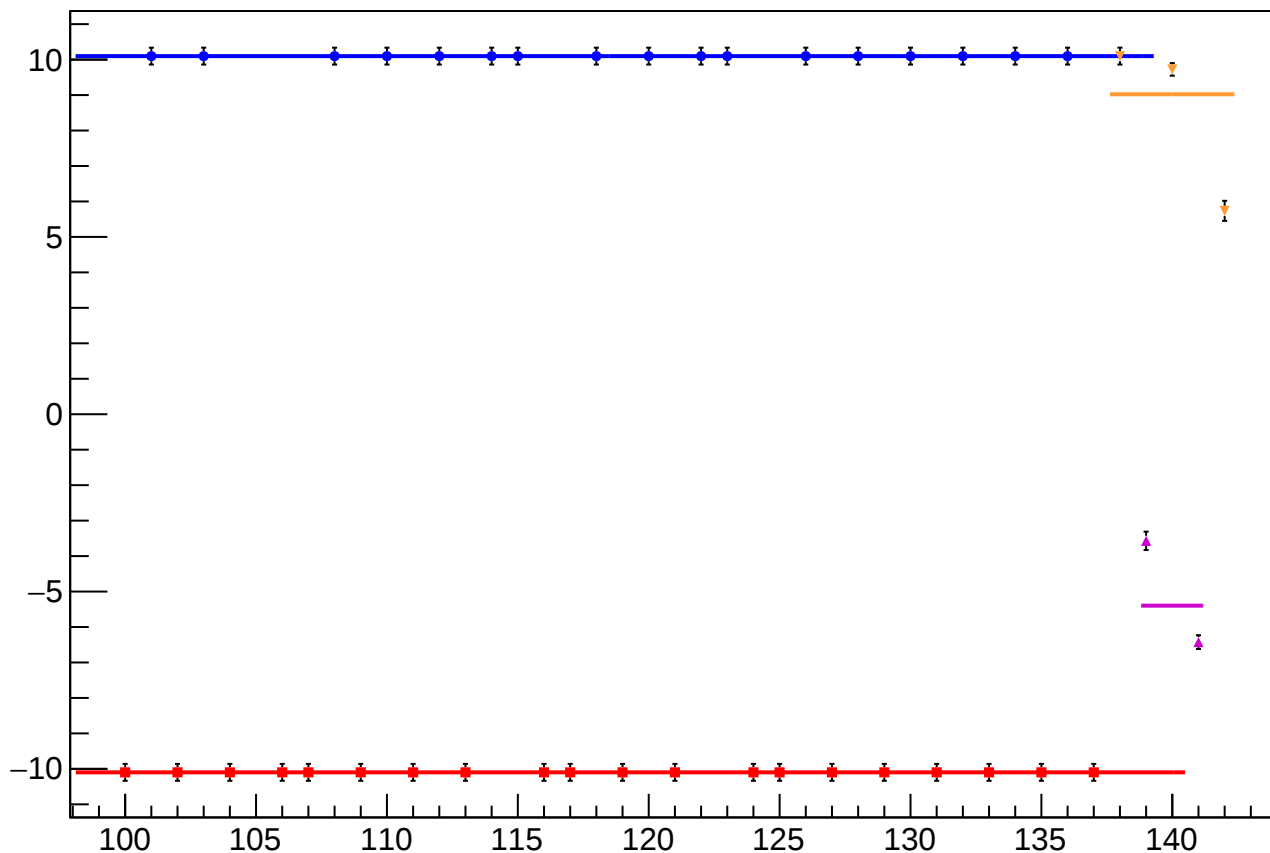
Left In: -0.287 ± 0.025 χ^2/NDF : 0.1/1

0.026 ± 0.017 χ^2/NDF : 1382.4/19

0.059 ± 0.012 χ^2/NDF : 3068.9/41

0.098 ± 0.018 χ^2/NDF : 1677.6/21

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

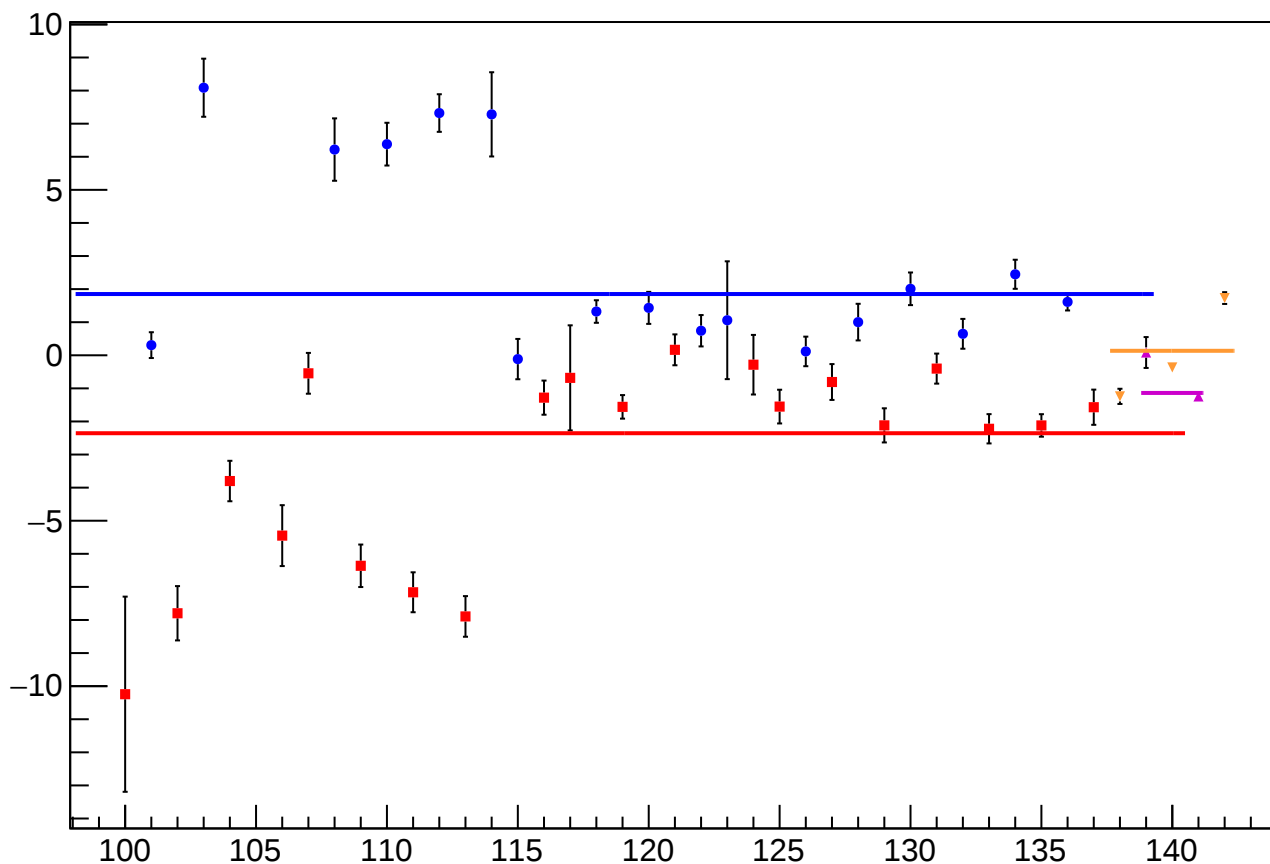
Left In: -5.398 $\pm$ 0.156 χ^2/NDF : 77.6/1

9.914 $\pm$ 0.053 χ^2/NDF : 230.1/19

-0.265 $\pm$ 0.036 χ^2/NDF : 72856.1/41

-9.604 $\pm$ 0.050 χ^2/NDF : 895.0/21

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

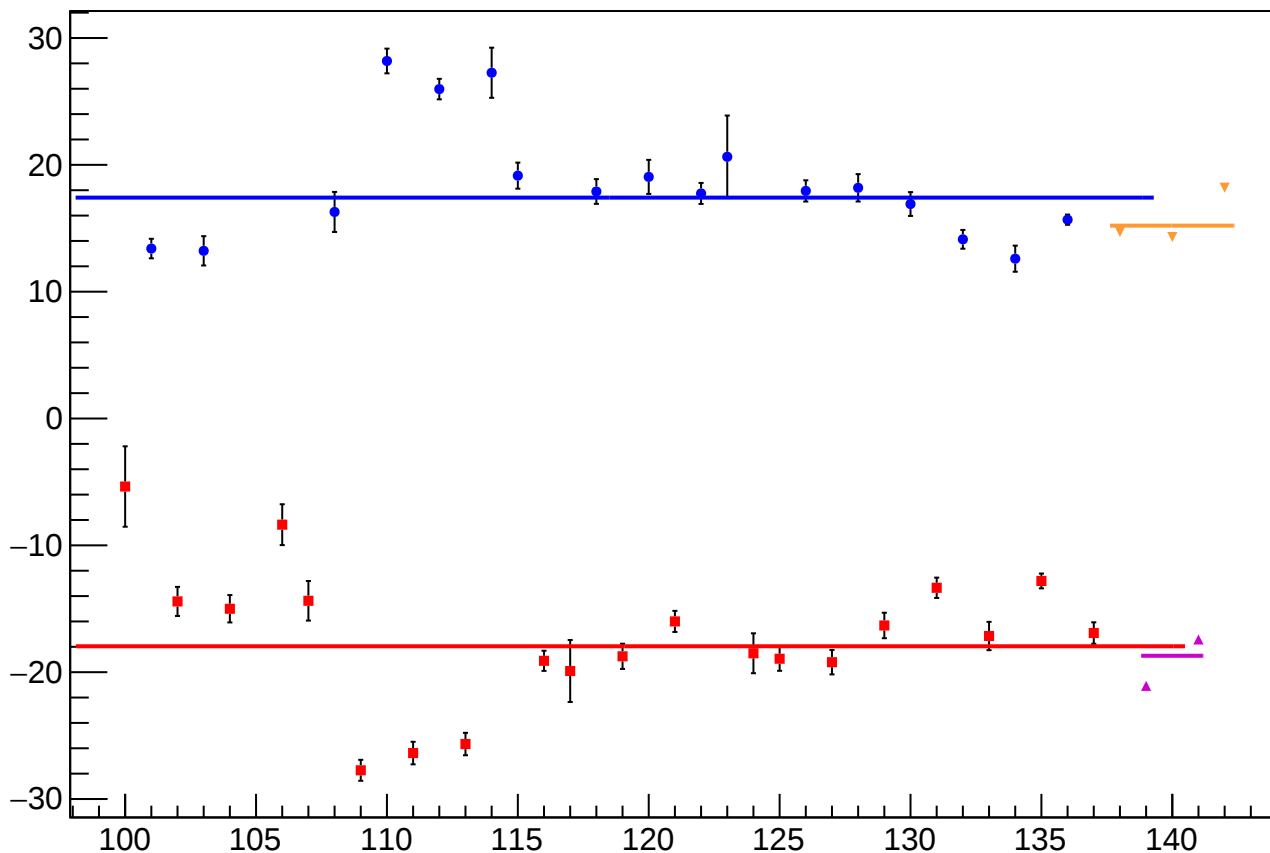
Left In: -1.138 ± 0.132 χ^2/NDF : 7.5/1

0.865 ± 0.076 χ^2/NDF : 545.6/19

-0.253 ± 0.058 χ^2/NDF : 1445.3/41

-1.794 ± 0.090 χ^2/NDF : 390.6/21

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 ± 0.213 $\chi^2/\text{NDF}: 367.0/16$

Left Out: 15.208 ± 0.136 $\chi^2/\text{NDF}: 123.9/2$

Right Out: -17.957 ± 0.218 $\chi^2/\text{NDF}: 506.2/19$

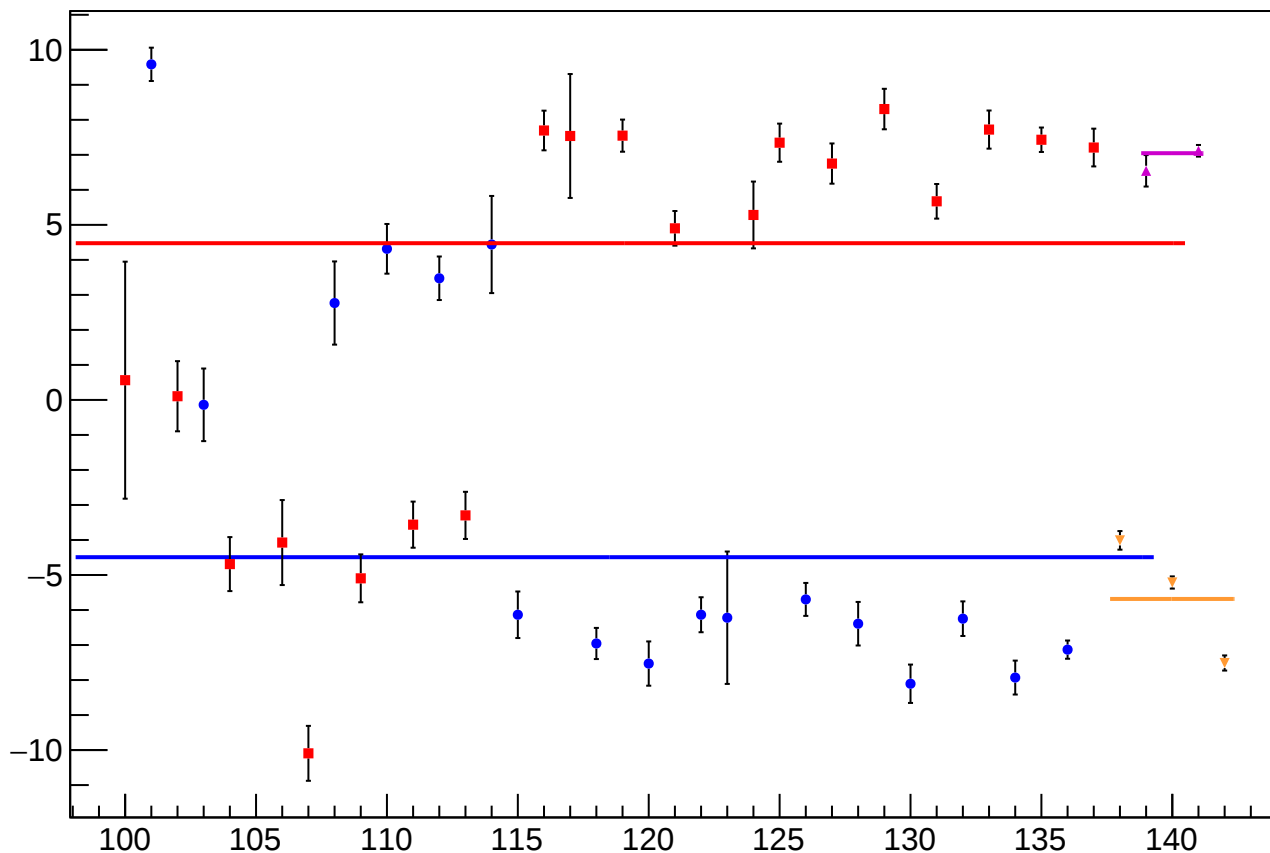
Left In: -18.706 ± 0.166 $\chi^2/\text{NDF}: 110.1/1$

15.852 ± 0.115 $\chi^2/\text{NDF}: 567.3/19$

1.133 ± 0.087 $\chi^2/\text{NDF}: 39473.4/41$

-18.431 ± 0.132 $\chi^2/\text{NDF}: 623.8/21$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -5.684 ± 0.121 χ^2/NDF : 118.5/2

Right Out: 4.476 ± 0.137 χ^2/NDF : 1342.0/19

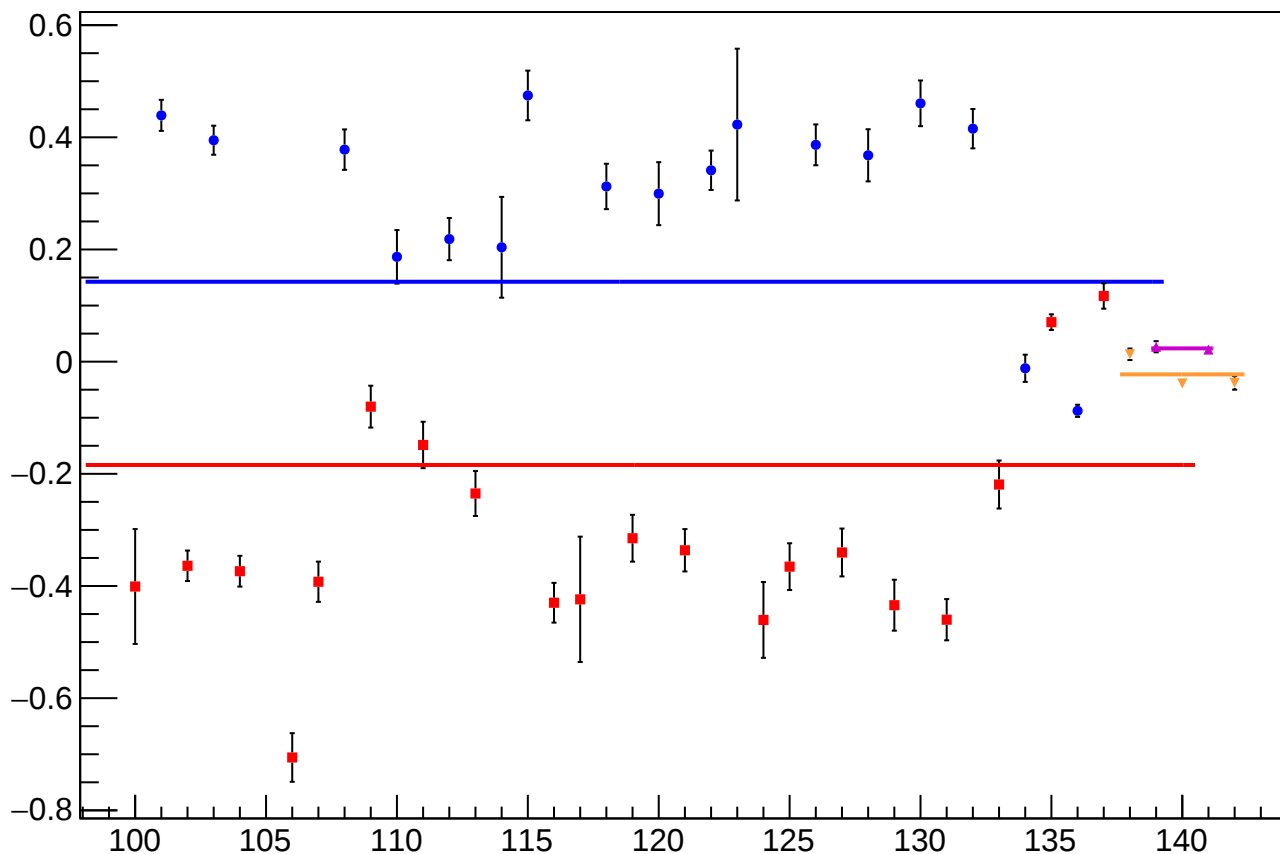
Left In: 7.047 ± 0.156 χ^2/NDF : 1.4/1

-5.133 ± 0.089 χ^2/NDF : 1748.8/19

-0.554 ± 0.067 χ^2/NDF : 9493.1/41

5.593 ± 0.103 χ^2/NDF : 1497.2/21

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

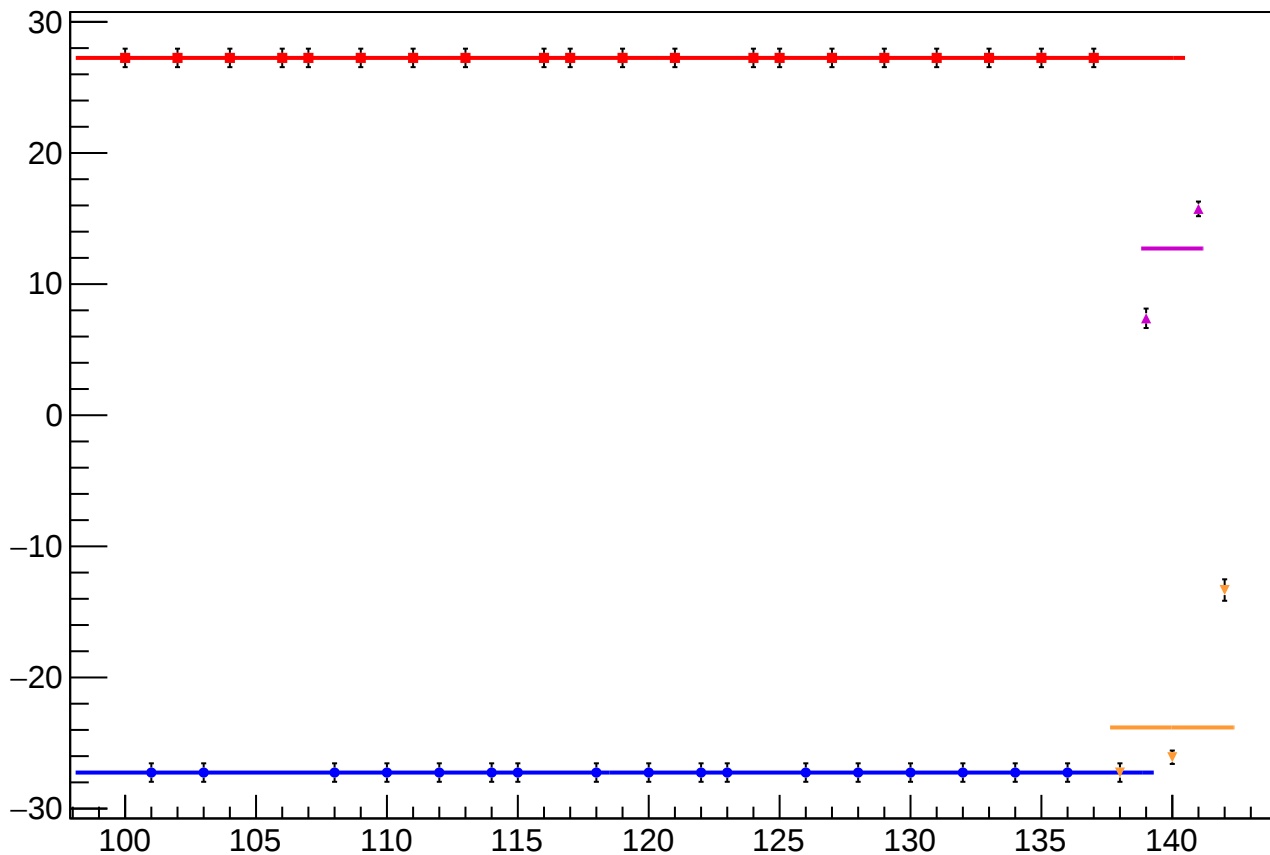
Left In: 0.024 ± 0.006 χ^2/NDF : 0.2/1

0.042 ± 0.004 χ^2/NDF : 1407.5/19

-0.007 ± 0.003 χ^2/NDF : 3134.5/41

-0.065 ± 0.005 χ^2/NDF : 1458.4/21

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -27.252 ± 0.171 χ^2/NDF : 0.0/16

Left Out: -23.812 ± 0.369 χ^2/NDF : 207.6/2

Right Out: 27.252 ± 0.158 χ^2/NDF : 0.0/19

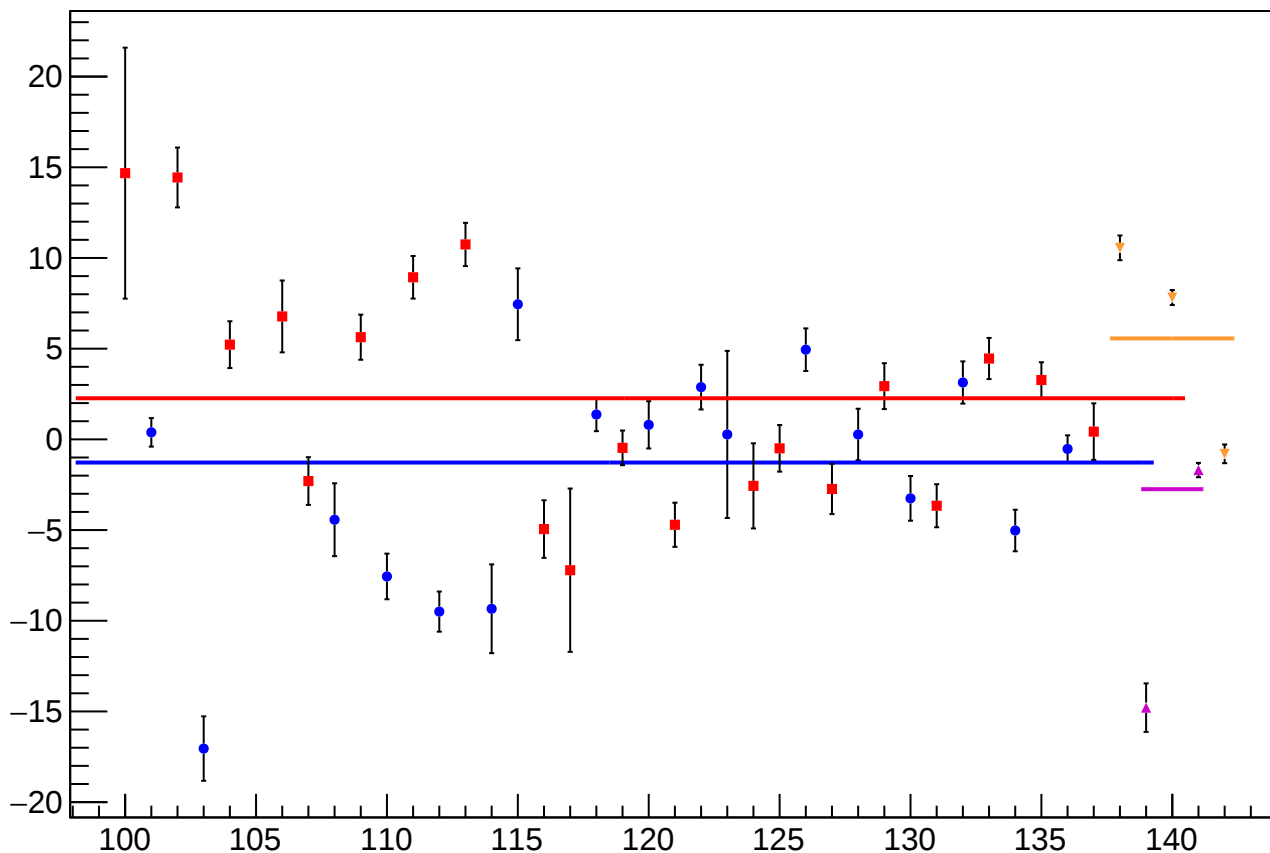
Left In: 12.717 ± 0.446 χ^2/NDF : 80.8/1

-26.645 ± 0.155 χ^2/NDF : 279.1/19

0.618 ± 0.107 χ^2/NDF : 60588.1/41

25.641 ± 0.149 χ^2/NDF : 1024.4/21

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 $\pm$ 0.292 χ^2 /NDF: 276.5/16

Left Out: 5.565 $\pm$ 0.292 χ^2 /NDF:235.6/2

Right Out: 2.266 $\pm$ 0.302 χ^2 /NDF: 289.8/19

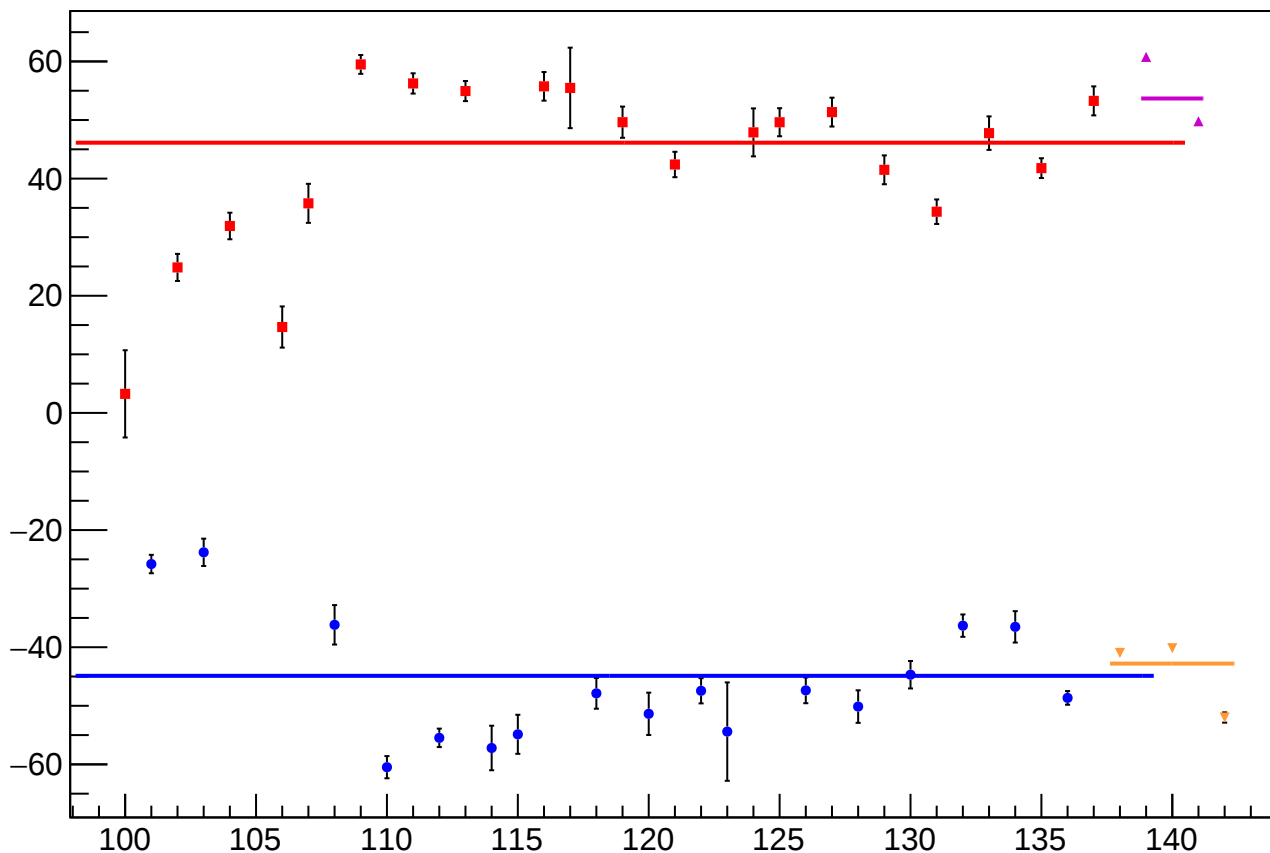
Left In: -2.746 $\pm$ 0.380 χ^2 /NDF:88.1/1

2.151 $\pm$ 0.207 χ^2 /NDF: 786.5/19

1.360 $\pm$ 0.155 χ^2 /NDF: 1305.0/41

0.326 $\pm$ 0.236 χ^2 /NDF: 484.7/21

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$

Left Out: -42.792 ± 0.395 $\chi^2/\text{NDF}: 139.4/2$

Right Out: 46.130 ± 0.527 $\chi^2/\text{NDF}: 456.1/19$

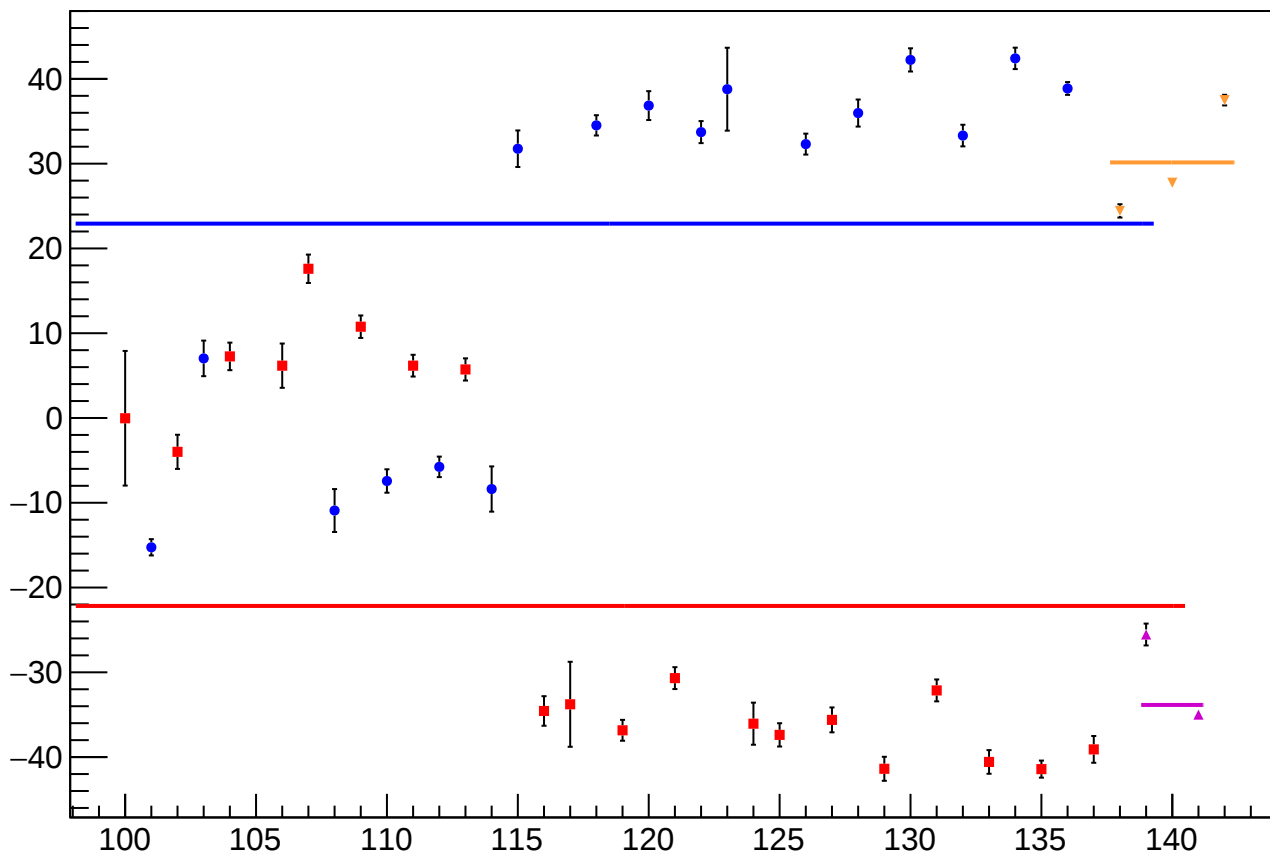
Left In: 53.676 ± 0.477 $\chi^2/\text{NDF}: 121.1/1$

-43.550 ± 0.316 $\chi^2/\text{NDF}: 570.5/19$

-1.979 ± 0.236 $\chi^2/\text{NDF}: 40412.9/41$

50.275 ± 0.354 $\chi^2/\text{NDF}: 689.9/21$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926+/-0.328 χ^2/NDF : 4330.2/16

Left Out: 30.145+/-0.350 χ^2/NDF : 213.5/2

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

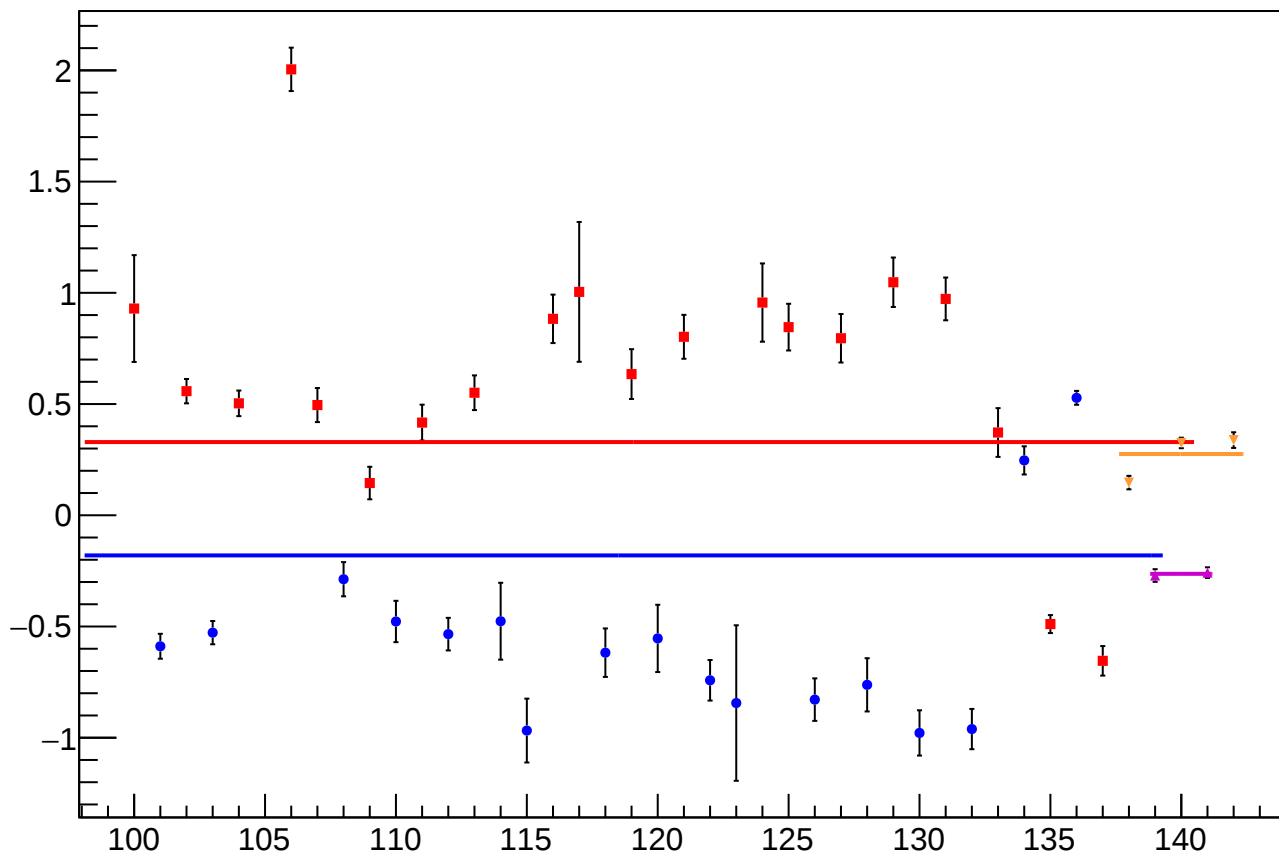
Left In: -33.849+/-0.448 χ^2/NDF : 47.3/1

26.300+/-0.239 χ^2/NDF : 4770.0/19

3.125+/-0.179 χ^2/NDF : 30607.1/41

-26.429+/-0.270 χ^2/NDF : 4518.4/21

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

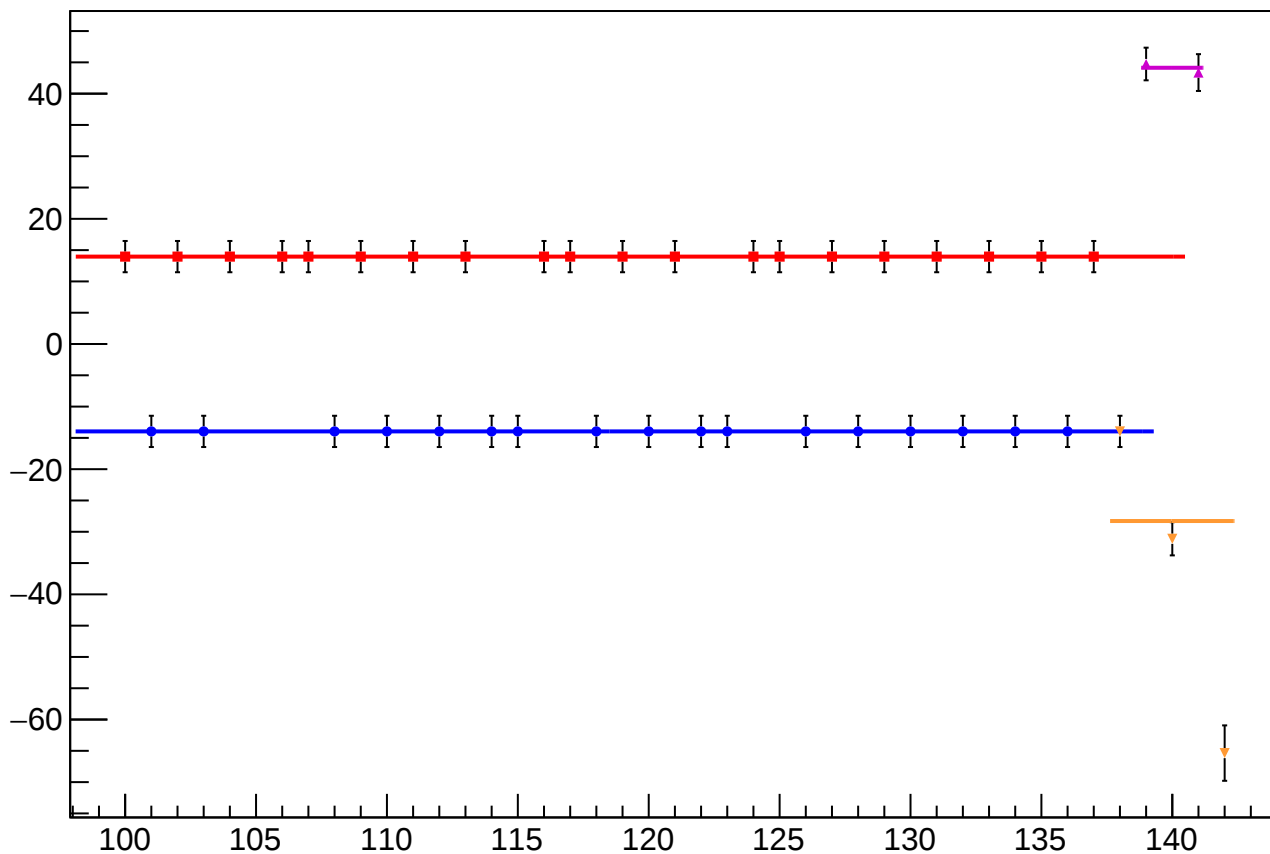
Left In: -0.263+/-0.018 χ^2/NDF : 0.1/1

0.065+/-0.012 χ^2/NDF : 1374.8/19

0.051+/-0.009 χ^2/NDF : 3084.5/41

0.036+/-0.013 χ^2/NDF : 1707.0/21

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.963 $\pm$ 0.606 χ^2/NDF : 0.0/16

Left Out: -28.283 $\pm$ 1.682 χ^2/NDF : 104.2/2

Right Out: 13.963 $\pm$ 0.559 χ^2/NDF : 0.0/19

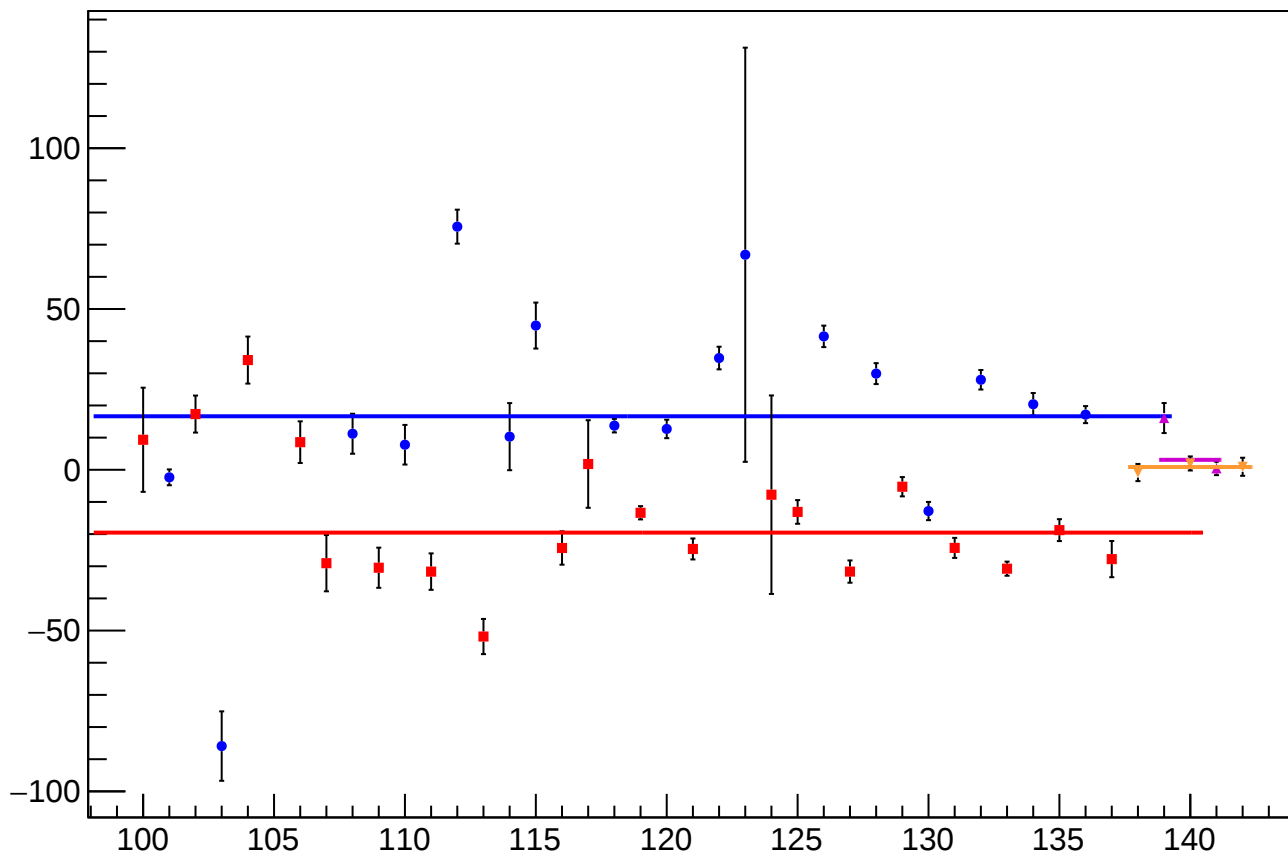
Left In: 44.136 $\pm$ 1.951 χ^2/NDF : 0.1/1

-15.607 $\pm$ 0.570 χ^2/NDF : 168.3/19

1.270 $\pm$ 0.391 χ^2/NDF : 2044.5/41

16.248 $\pm$ 0.537 χ^2/NDF : 221.1/21

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 0.863 ± 1.449 χ^2/NDF : 0.7/2

Right Out: -19.540 ± 0.894 χ^2/NDF : 244.1/19

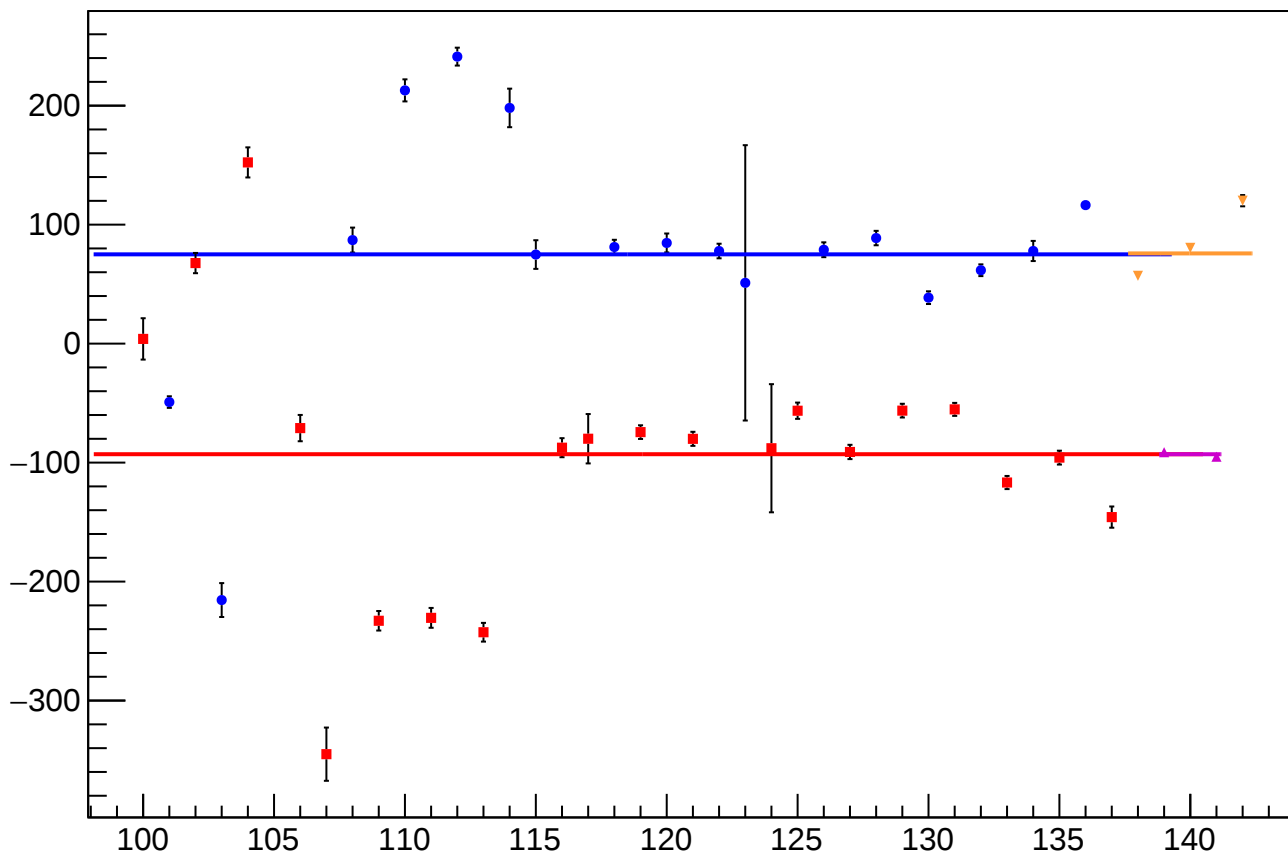
Left In: 3.095 ± 1.921 χ^2/NDF : 9.3/1

12.542 ± 0.739 χ^2/NDF : 607.3/19

-0.182 ± 0.546 χ^2/NDF : 1628.8/41

-15.507 ± 0.811 χ^2/NDF : 367.6/21

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 75.811 ± 1.808 χ^2/NDF : 138.4/2

Right Out: -92.940 ± 1.706 χ^2/NDF : 2004.0/19

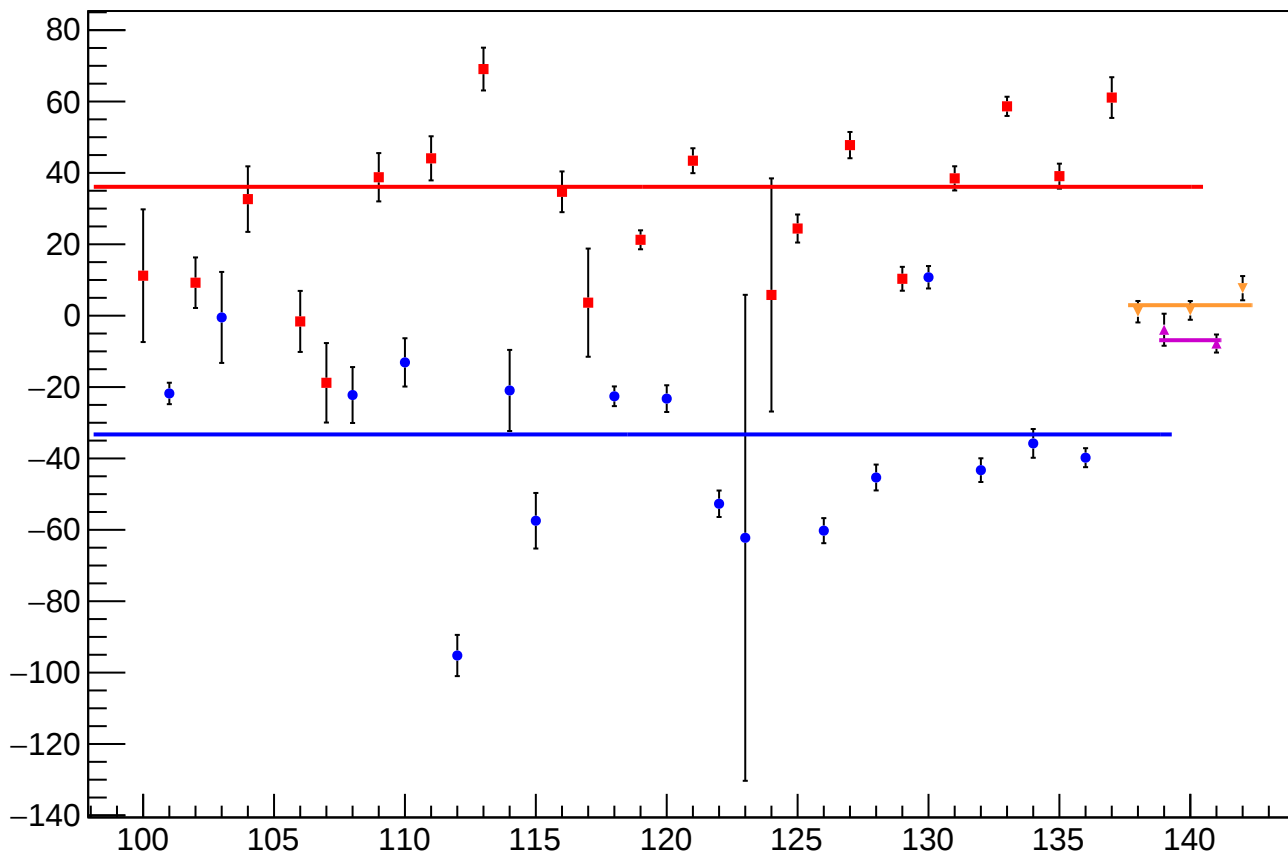
Left In: -92.963 ± 2.097 χ^2/NDF : 0.8/1

75.385 ± 1.217 χ^2/NDF : 2138.2/19

-1.784 ± 0.896 χ^2/NDF : 12908.8/41

-92.949 ± 1.323 χ^2/NDF : 2004.8/21

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: 2.938 ± 1.709 χ^2/NDF : 2.7/2

Right Out: 36.103 ± 1.022 χ^2/NDF : 302.3/19

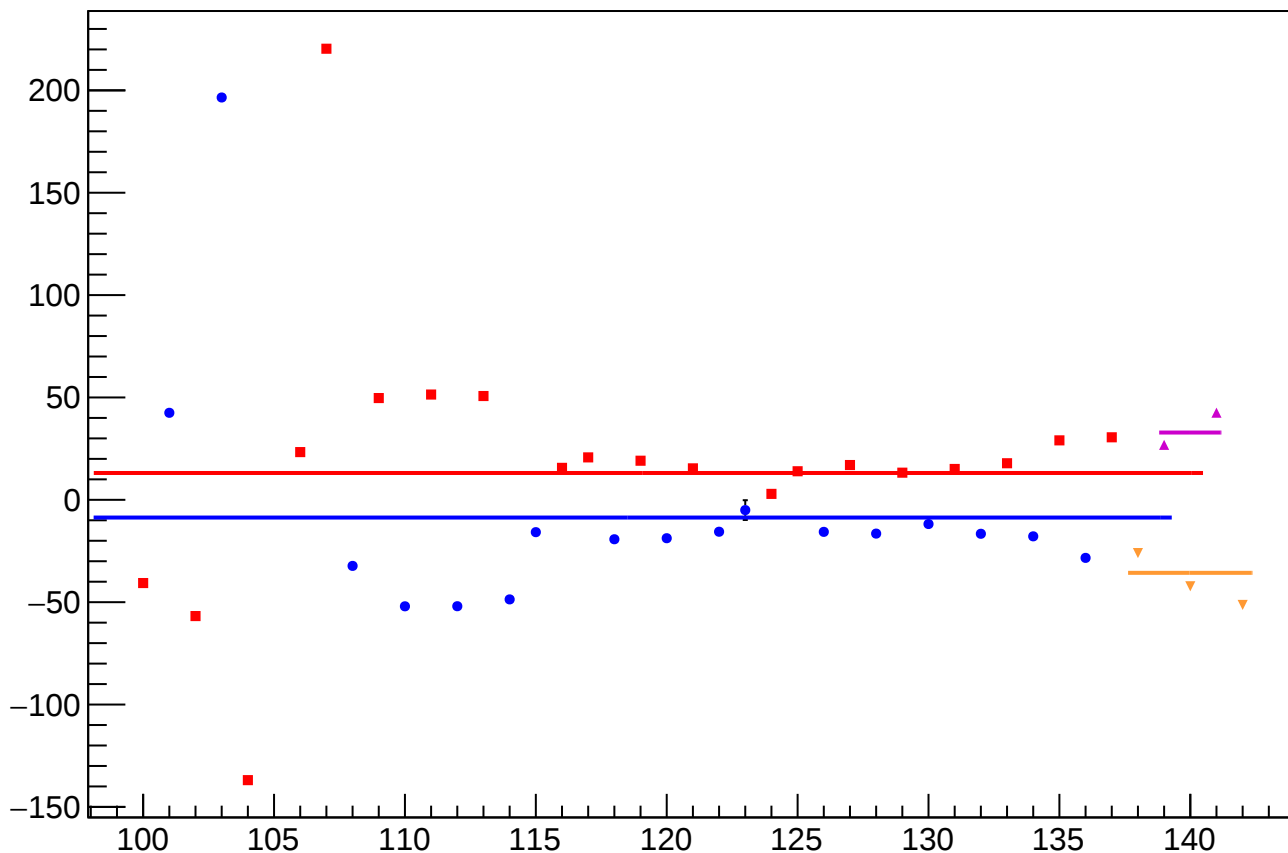
Left In: -6.872 ± 2.203 χ^2/NDF : 0.6/1

-24.283 ± 0.851 χ^2/NDF : 829.6/19

-0.128 ± 0.627 χ^2/NDF : 3204.3/41

28.497 ± 0.927 χ^2/NDF : 616.0/21

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



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

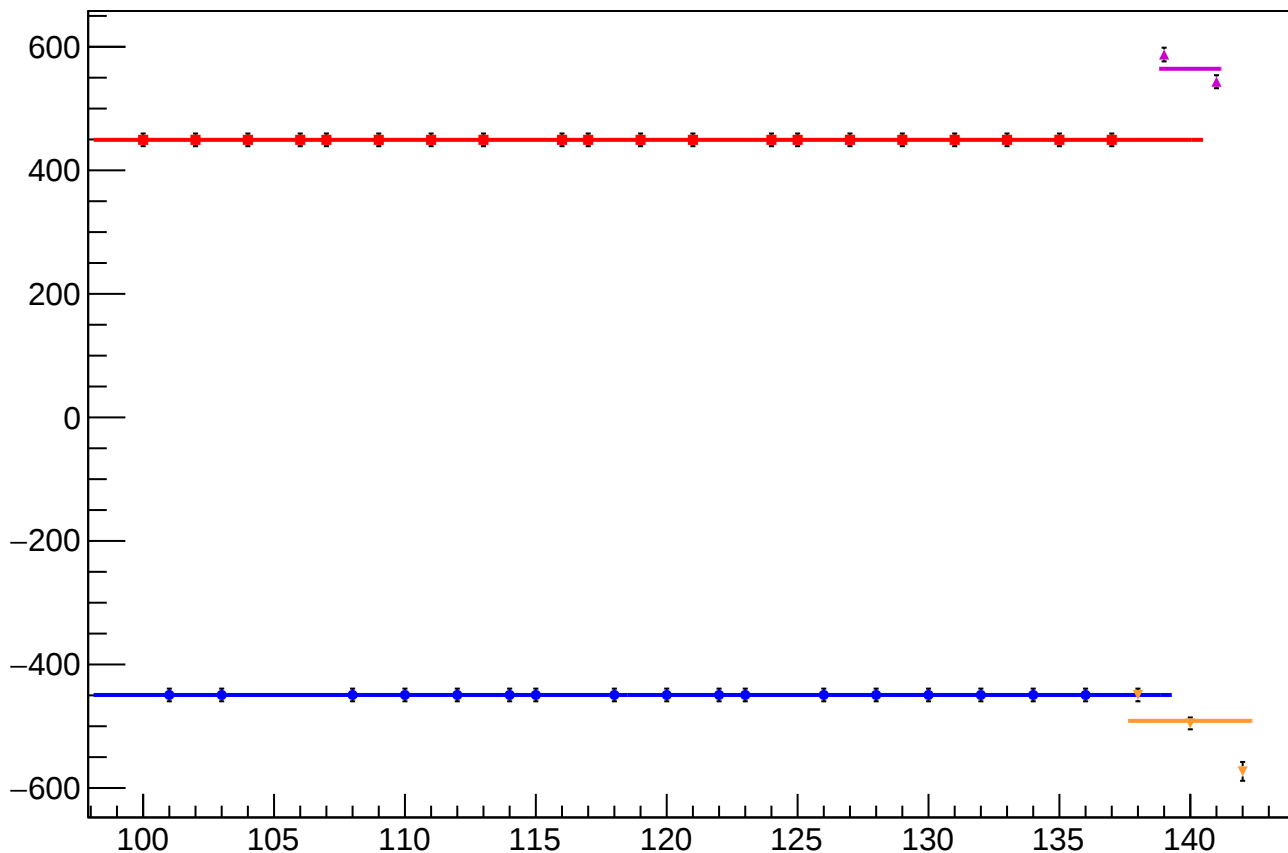
Left In: 32.864 ± 0.078 χ^2/NDF : 9600.6/1

-19.222 ± 0.046 χ^2/NDF : 675569.8/19

-0.208 ± 0.033 χ^2/NDF : 1640458.0/41

20.724 ± 0.048 χ^2/NDF : 607501.0/21

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -449.364 $\pm$ 2.496 χ^2/NDF : 0.0/16

Left Out: -491.295 $\pm$ 6.377 χ^2/NDF :45.5/2

Right Out: 449.364 $\pm$ 2.301 χ^2/NDF : 0.0/19

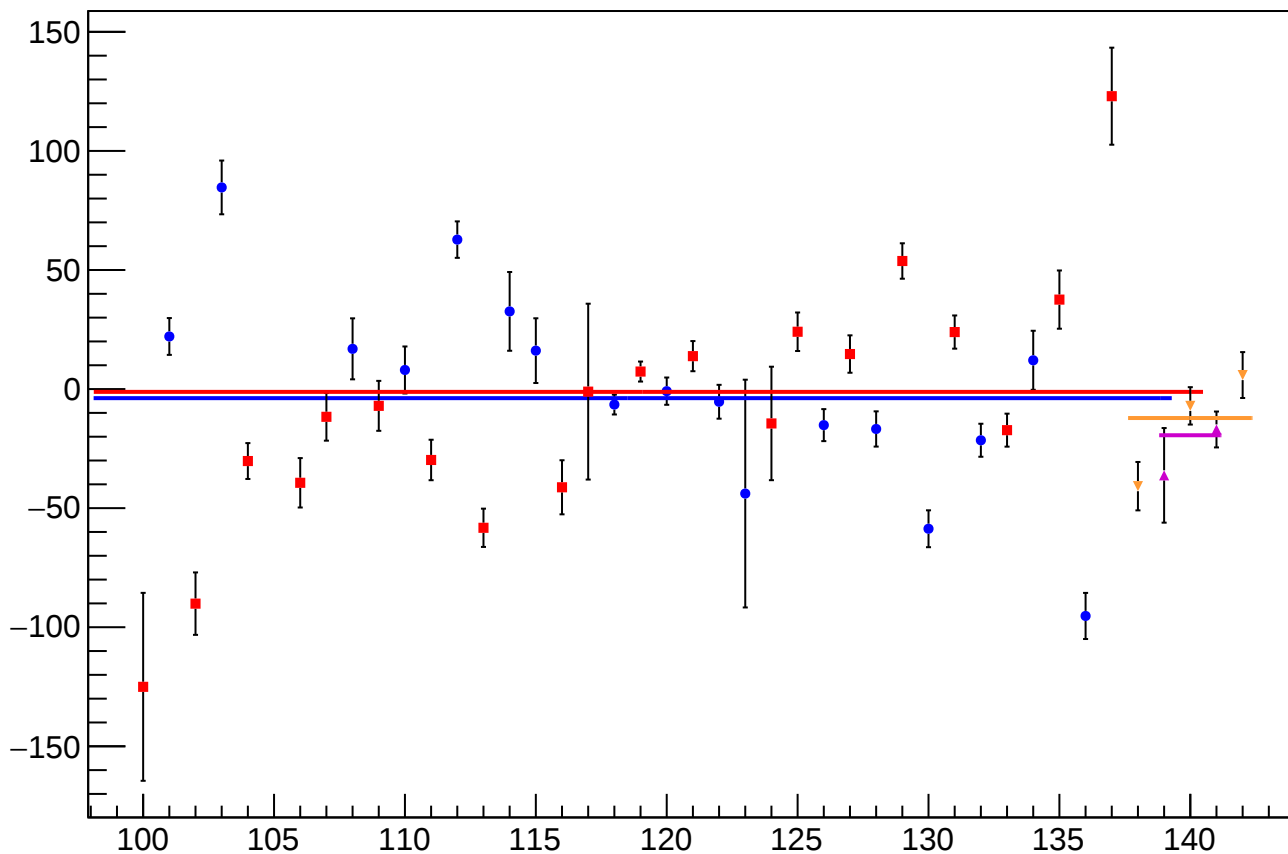
Left In: 564.403 $\pm$ 7.664 χ^2/NDF :8.2/1

-454.935 $\pm$ -2.325 χ^2/NDF : 83.0/19

26.236 $\pm$ -1.599 χ^2/NDF : 81670.3/41

458.880 $\pm$ -2.204 χ^2/NDF : 214.9/21

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



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

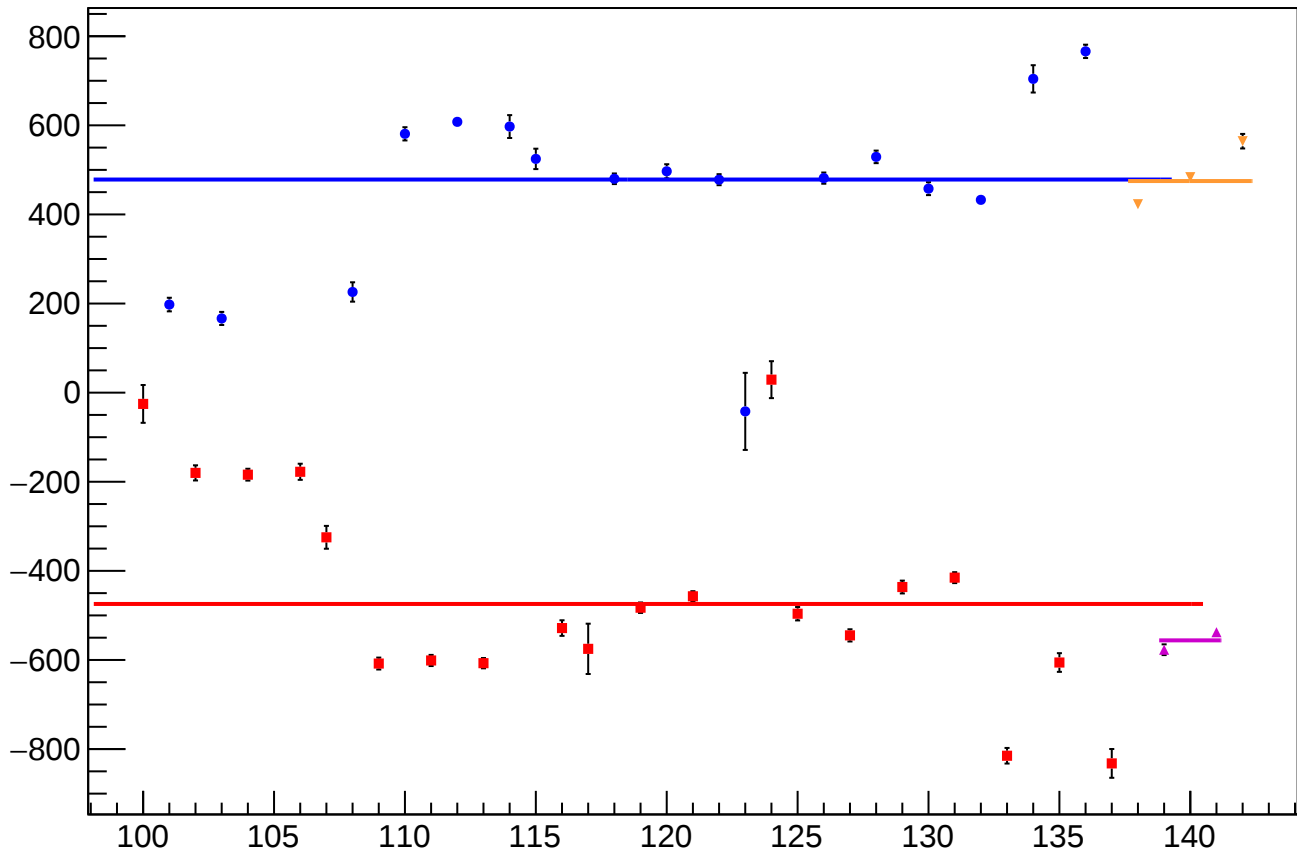
Left In: -19.388 ± 7.046 χ^2/NDF : 0.8/1

-4.811 ± 1.804 χ^2/NDF : 328.4/19

-3.643 ± 1.290 χ^2/NDF : 640.2/41

-2.423 ± 1.845 χ^2/NDF : 310.9/21

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 ± 3.662 χ^2/NDF : 1628.8/16

Left Out: 474.954 ± 6.843 χ^2/NDF : 52.4/2

Right Out: -474.296 ± 3.524 χ^2/NDF : 2288.2/19

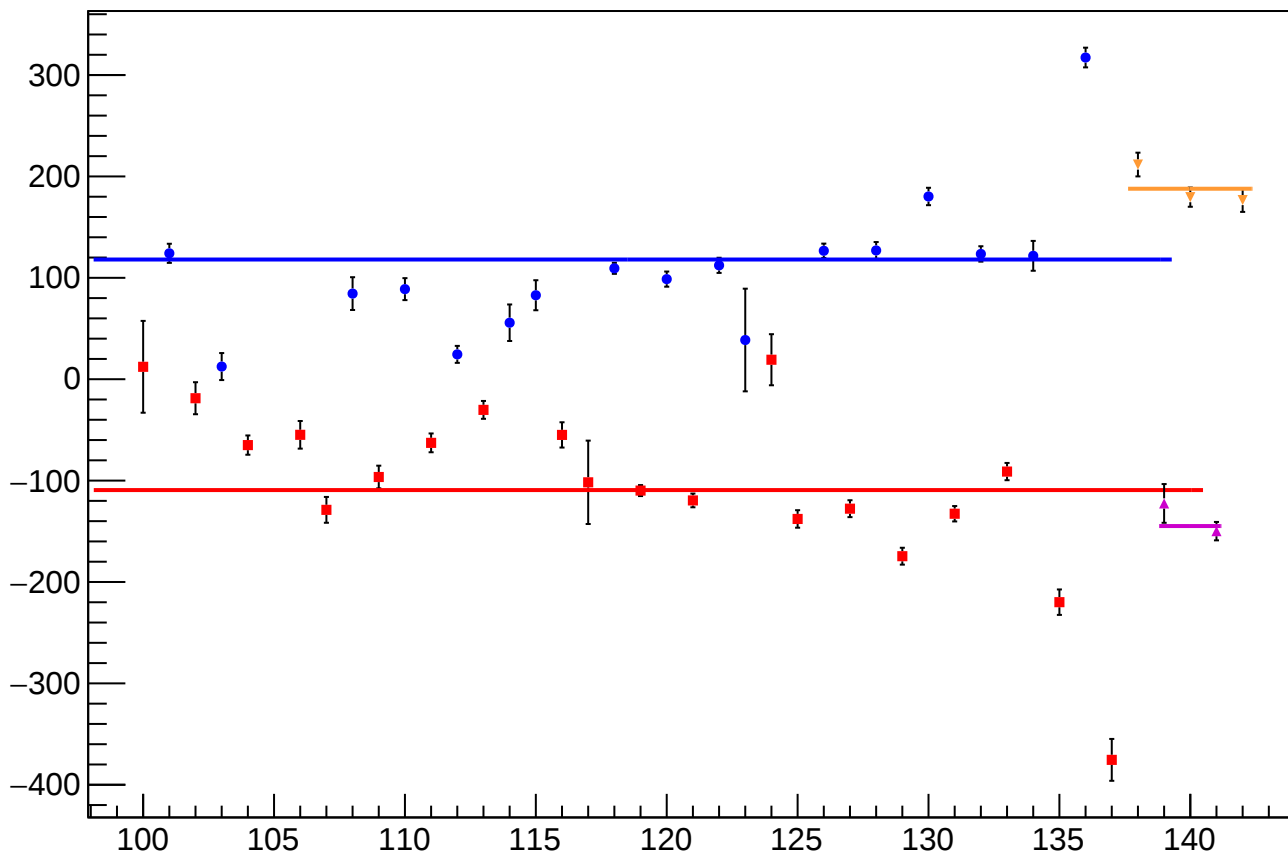
Left In: -555.999 ± 8.222 χ^2/NDF : 5.7/1

477.582 ± 3.229 χ^2/NDF : 1681.5/19

-3.148 ± 2.287 χ^2/NDF : 48538.3/41

-486.976 ± 3.239 χ^2/NDF : 2377.3/21

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055+/-2.225 χ^2/NDF : 705.3/16

Left Out: 187.874+/-6.230 χ^2/NDF : 5.8/2

Right Out: -109.345+/-2.202 χ^2/NDF : 569.8/19

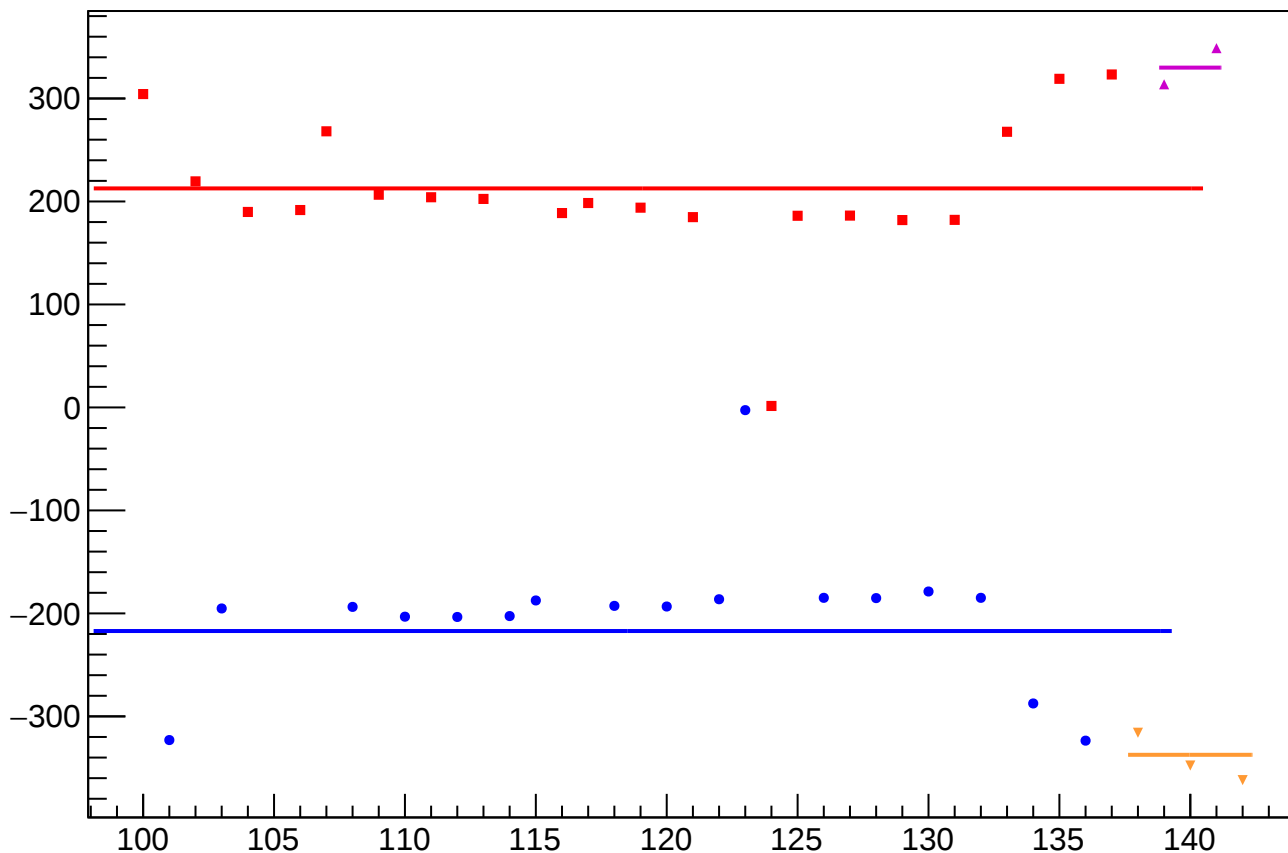
Left In: -144.827+/-8.199 χ^2/NDF : 1.7/1

125.956+/-2.096 χ^2/NDF : 822.6/19

8.843+/-1.493 χ^2/NDF : 7749.9/41

-111.731+/-2.126 χ^2/NDF : 589.0/21

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



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

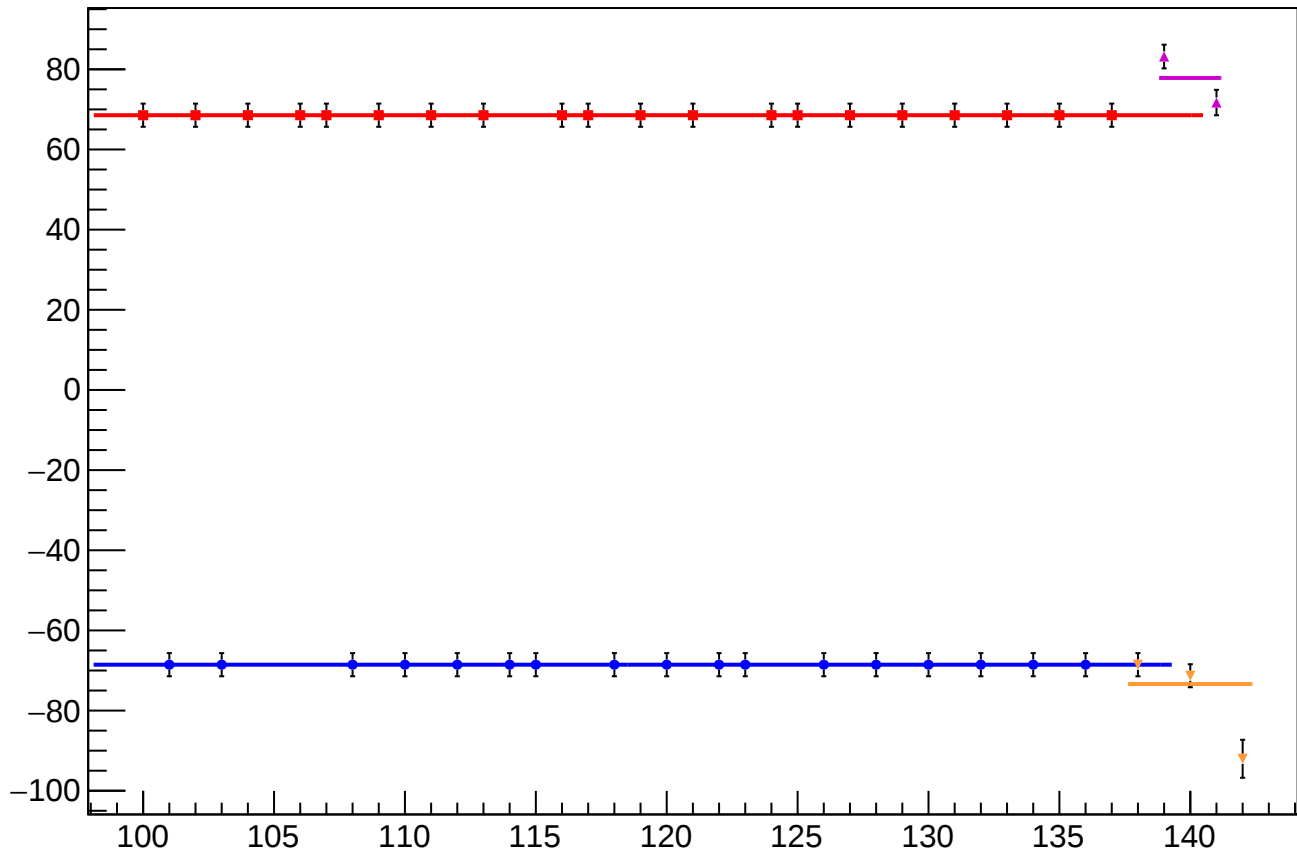
Left In: 329.978+/-0.310 χ^2/NDF : 3192.8/1

-239.710+/-0.123 χ^2/NDF : 296405.6/19

1.443+/-0.086 χ^2/NDF : 8019032.7/41

230.247+/-0.120 χ^2/NDF : 240699.0/21

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -68.551 $\pm$ 0.701 χ^2 /NDF: 0.0/16

Left Out: -73.378 $\pm$ 1.873 χ^2 /NDF:18.7/2

Right Out: 68.551 $\pm$ 0.647 χ^2 /NDF: 0.0/19

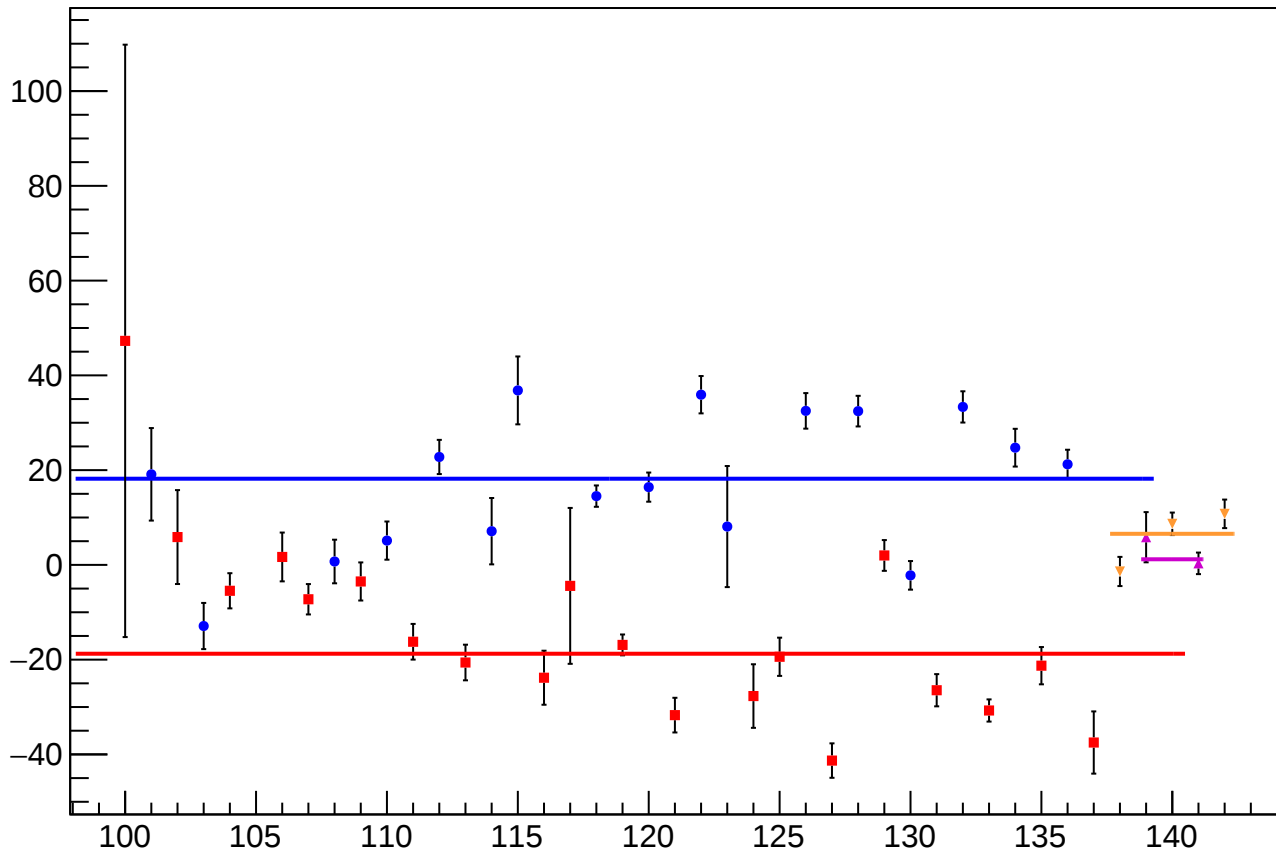
Left In: 77.851 $\pm$ 2.163 χ^2 /NDF:7.0/1

-69.145 $\pm$ 0.657 χ^2 /NDF: 24.6/19

4.126 $\pm$ 0.451 χ^2 /NDF: 23564.1/41

69.314 $\pm$ 0.620 χ^2 /NDF: 24.0/21

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 6.559 ± 1.595 χ^2/NDF : 9.4/2

Right Out: -18.752 ± 0.862 χ^2/NDF : 199.5/19

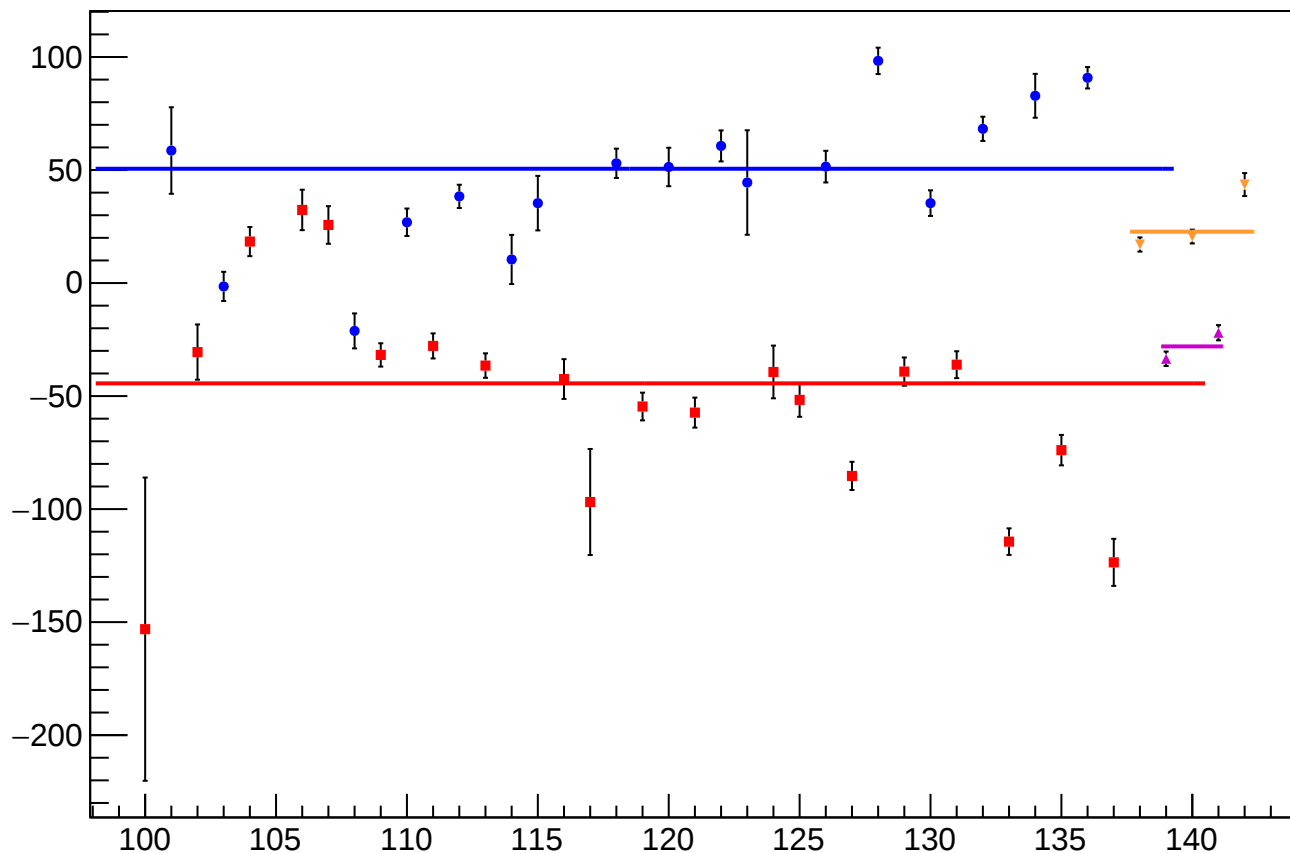
Left In: 1.183 ± 2.090 χ^2/NDF : 0.9/1

15.298 ± 0.795 χ^2/NDF : 254.2/19

-0.252 ± 0.563 χ^2/NDF : 1298.7/41

-15.857 ± 0.797 χ^2/NDF : 278.2/21

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



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

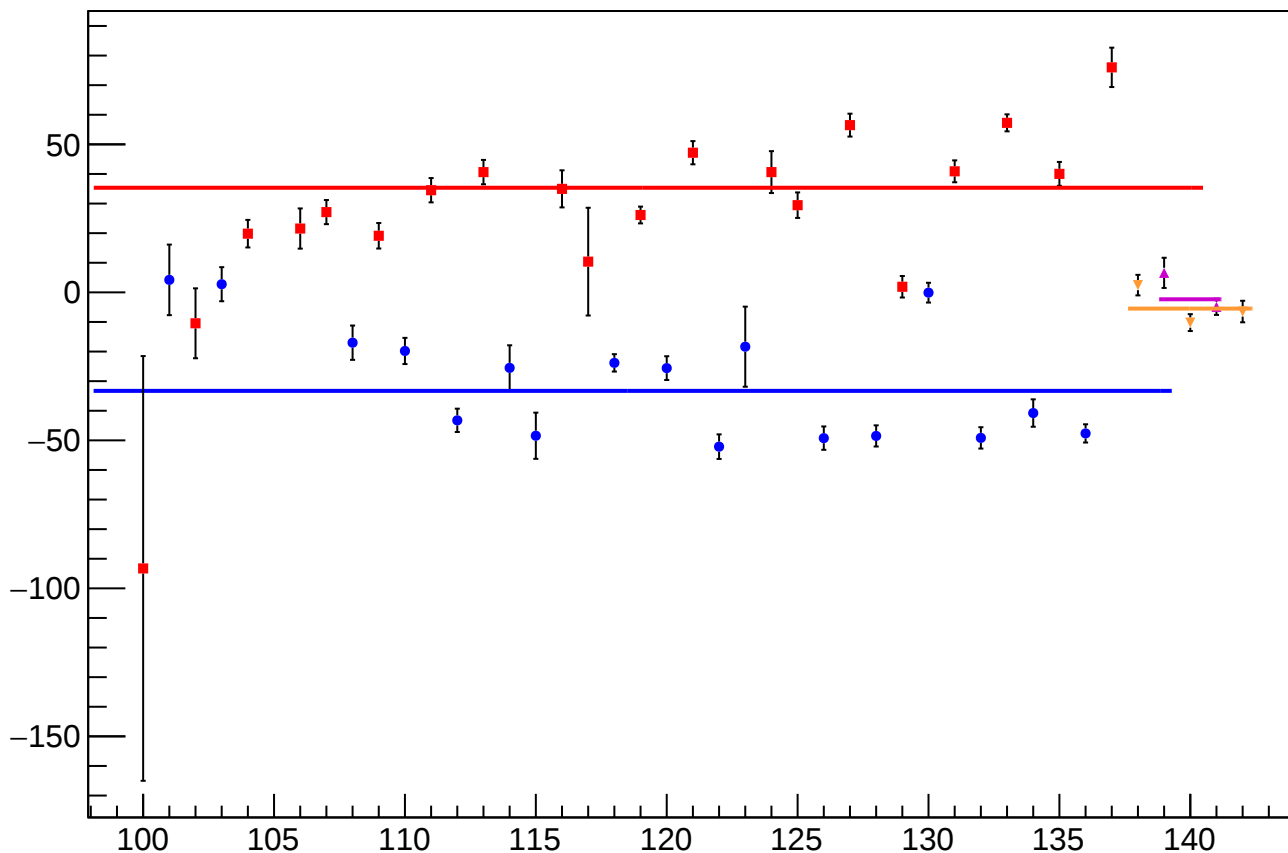
Left In: -28.030 $\pm$ 2.324 χ^2 /NDF: 6.1/1

39.148 $\pm$ 1.288 χ^2 /NDF: 491.4/19

0.875 $\pm$ 0.921 χ^2 /NDF: 2873.5/41

-39.125 $\pm$ 1.317 χ^2 /NDF: 577.3/21

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



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

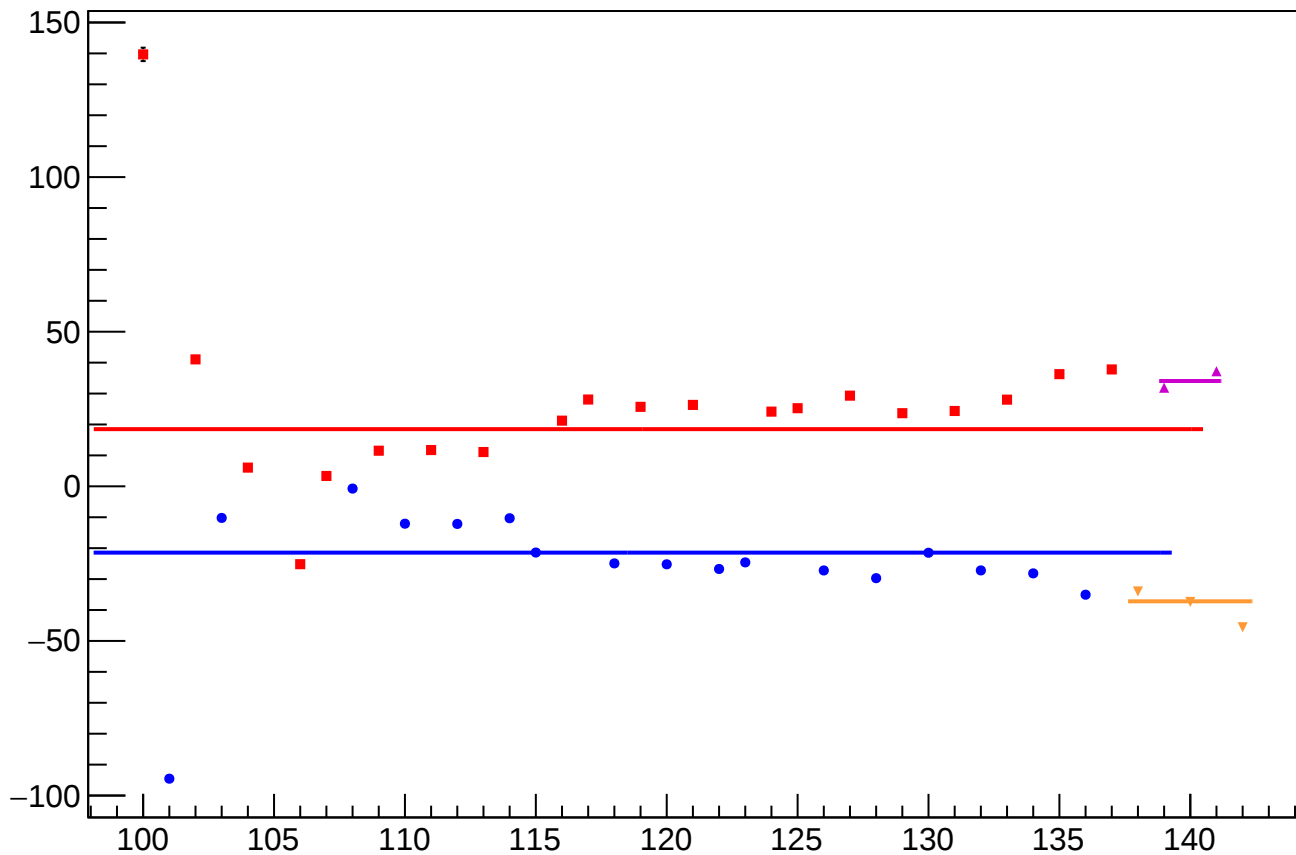
Left In: -2.338 ± 2.405 χ^2/NDF : 3.9/1

-26.758 ± 0.913 χ^2/NDF : 464.7/19

1.487 ± 0.646 χ^2/NDF : 2889.9/41

29.884 ± 0.915 χ^2/NDF : 505.5/21

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442+/-0.059 χ^2/NDF : 48968.5/16

Left Out: -37.193+/-0.082 χ^2/NDF : 2385.0/2

Right Out: 18.490+/-0.057 χ^2/NDF : 80549.5/19

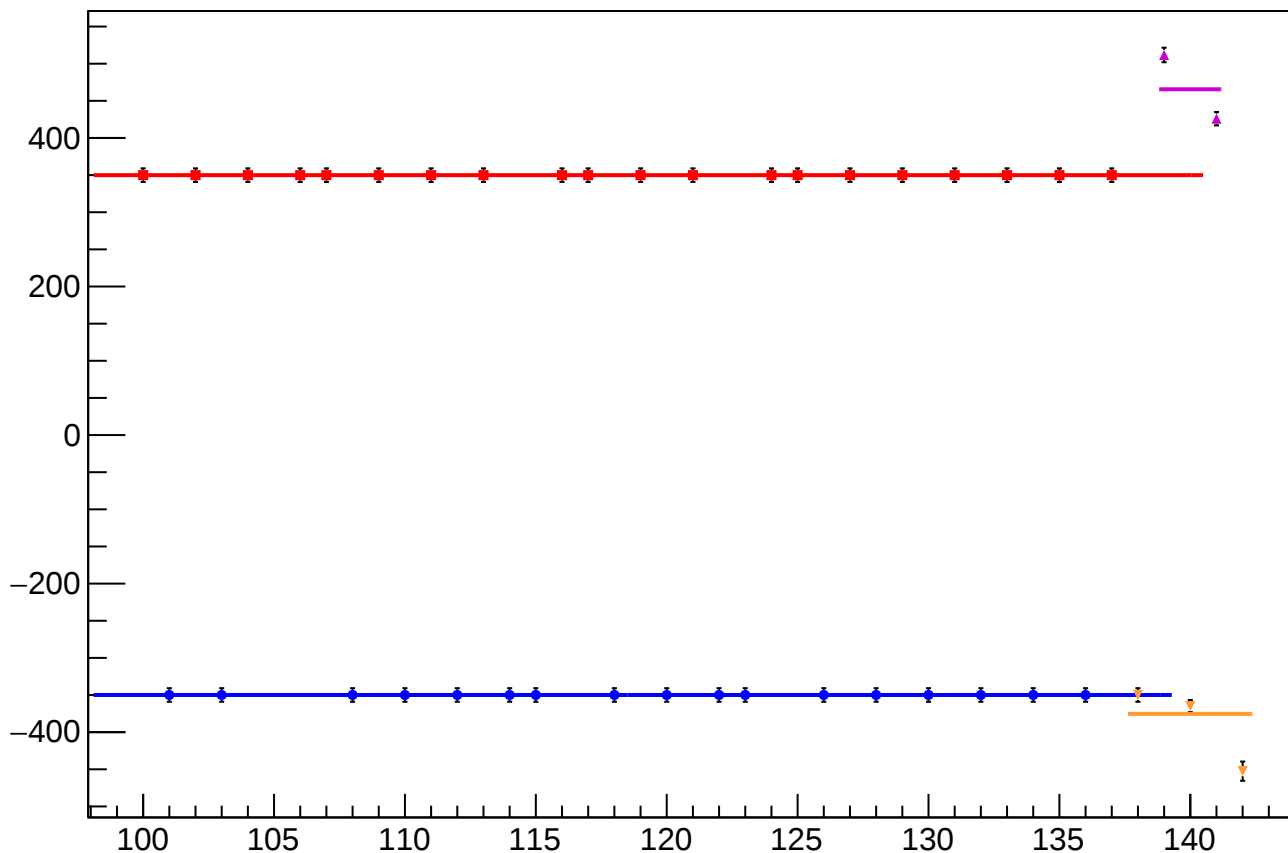
Left In: 34.059+/-0.087 χ^2/NDF : 912.3/1

-26.773+/-0.048 χ^2/NDF : 75548.9/19

-1.713+/-0.034 χ^2/NDF : 725281.0/41

23.231+/-0.048 χ^2/NDF : 103925.4/21

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

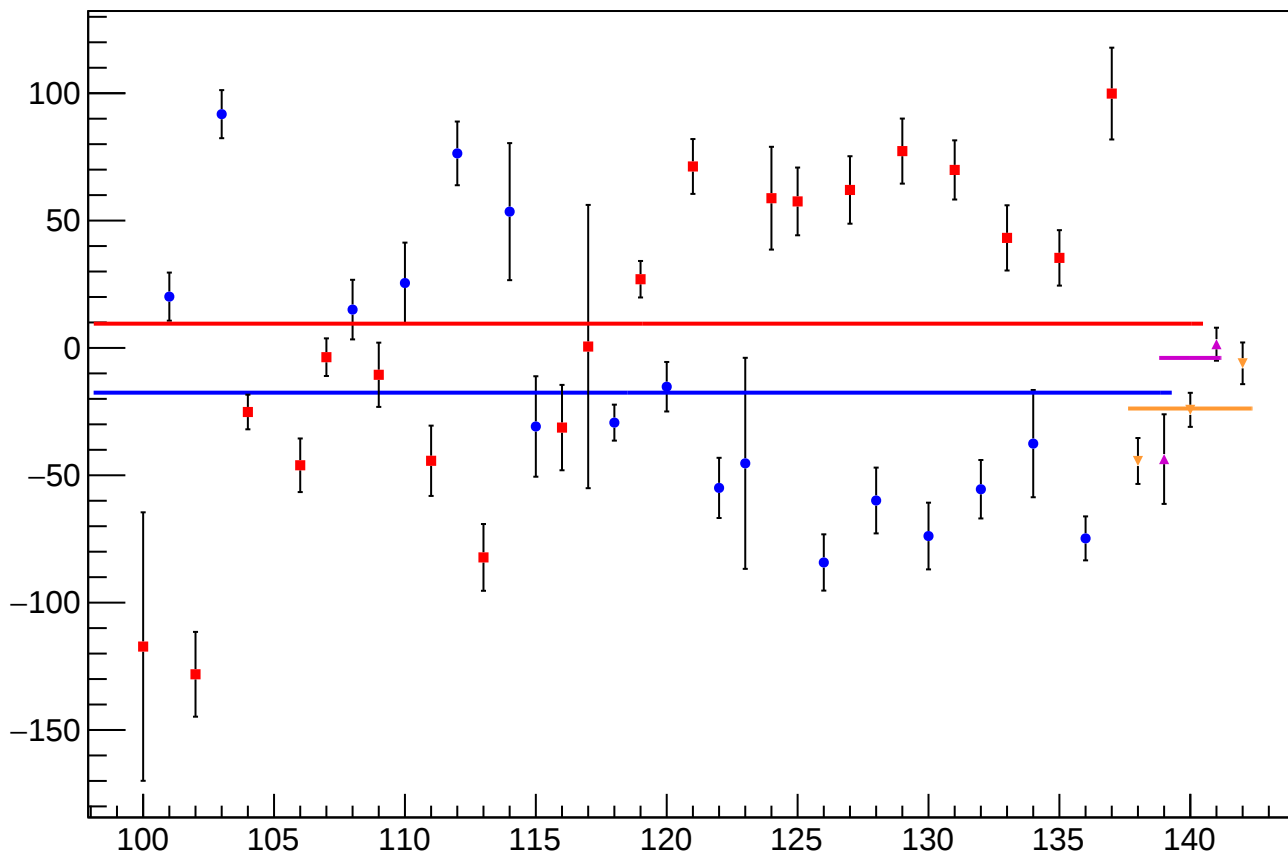
Left In: 465.535 ± 6.674 χ^2/NDF : 41.1/1

-353.481 ± 2.062 χ^2/NDF : 63.1/19

21.439 ± 1.420 χ^2/NDF : 63281.1/41

359.896 ± 1.959 χ^2/NDF : 315.3/21

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: -23.789 ± 4.489 $\chi^2/\text{NDF}: 9.9/2$

Right Out: 9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

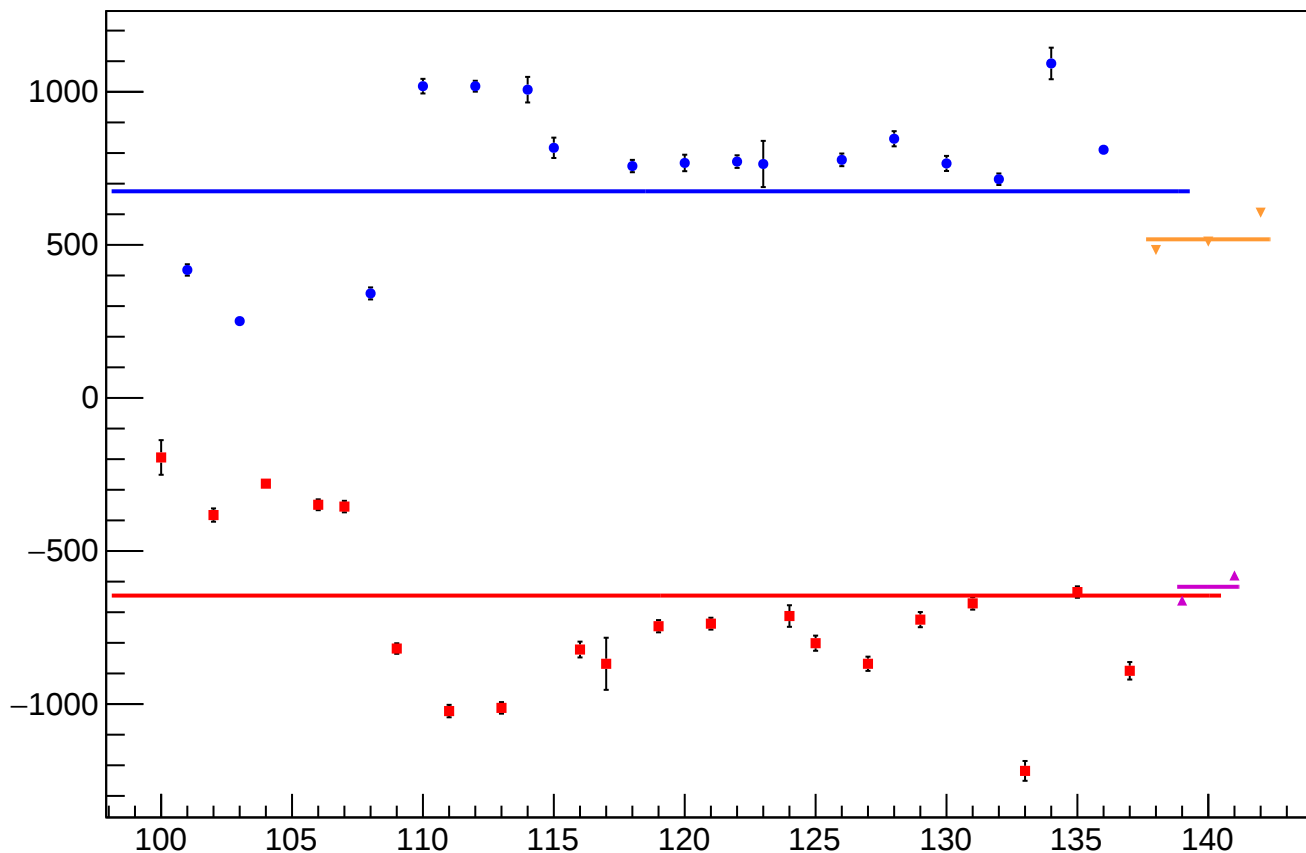
Left In: -3.921 ± 6.079 $\chi^2/\text{NDF}: 5.8/1$

-19.325 ± 2.388 $\chi^2/\text{NDF}: 375.1/19$

-5.982 ± 1.691 $\chi^2/\text{NDF}: 817.9/41$

7.440 ± 2.395 $\chi^2/\text{NDF}: 380.2/21$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 ± 5.067 χ^2/NDF : 2584.3/16

Left Out: 518.138 ± 5.920 χ^2/NDF : 52.5/2

Right Out: -645.613 ± 4.754 χ^2/NDF : 3129.0/19

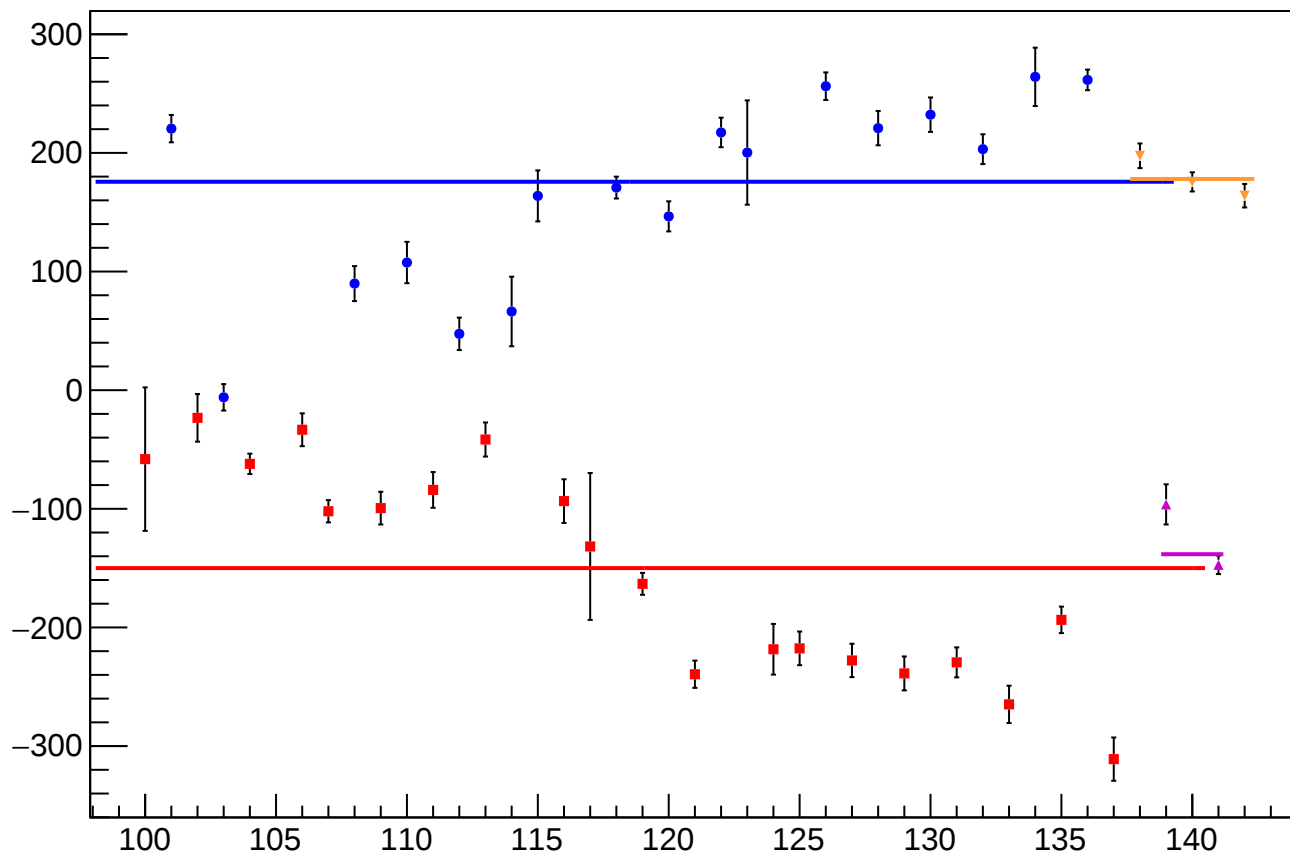
Left In: -616.896 ± 7.157 χ^2/NDF : 32.5/1

608.695 ± 3.850 χ^2/NDF : 3042.3/19

3.510 ± 2.760 χ^2/NDF : 57077.0/41

-636.822 ± 3.960 χ^2/NDF : 3172.7/21

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



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

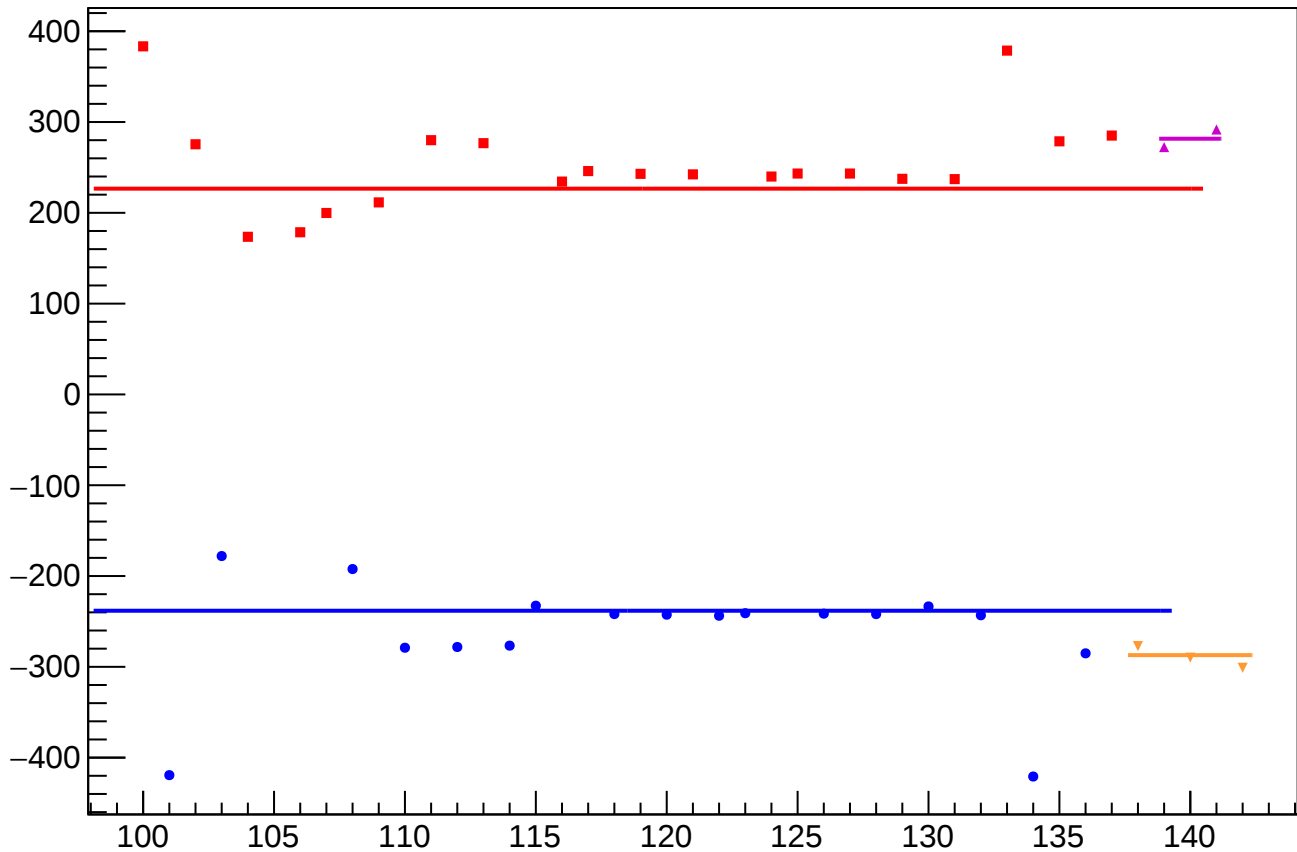
Left In: -138.264 ± 7.086 χ^2/NDF : 7.5/1

176.313 ± 2.772 χ^2/NDF : 643.7/19

15.250 ± 1.967 χ^2/NDF : 8146.5/41

-148.154 ± 2.792 χ^2/NDF : 703.6/21

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -287.120+/-0.246 χ^2/NDF :1307.6/2

Right Out: 226.626+/-0.151 χ^2/NDF : 102587.0/19

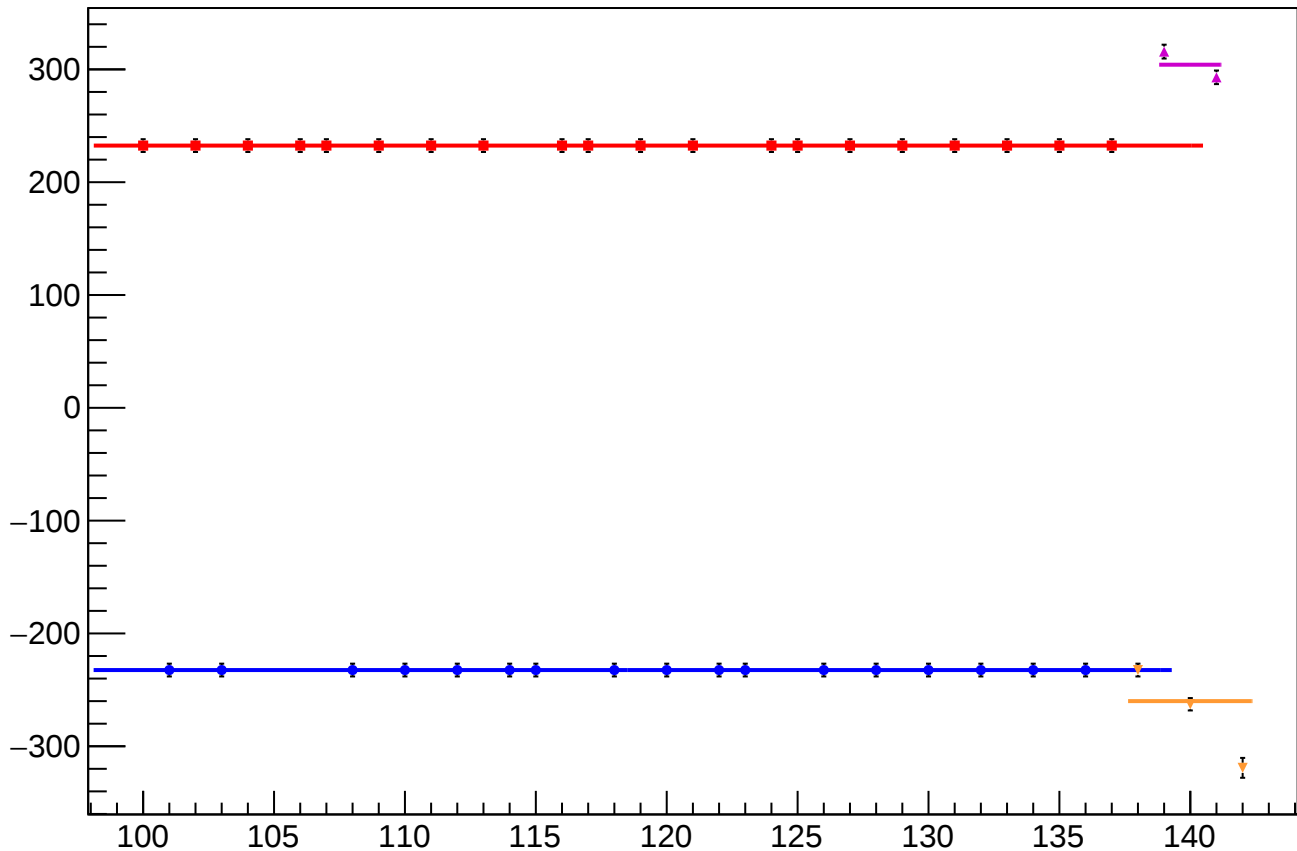
Left In: 281.620+/-0.271 χ^2/NDF :1279.7/1

-252.801+/-0.134 χ^2/NDF : 196129.4/19

-1.969+/-0.094 χ^2/NDF : 7168722.3/41

239.698+/-0.132 χ^2/NDF : 135348.3/21

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -232.456 $\pm$ 1.378 χ^2/NDF : 0.0/16

Left Out: -259.982 $\pm$ 3.604 χ^2/NDF : 68.7/2

Right Out: 232.456 $\pm$ 1.270 χ^2/NDF : 0.0/19

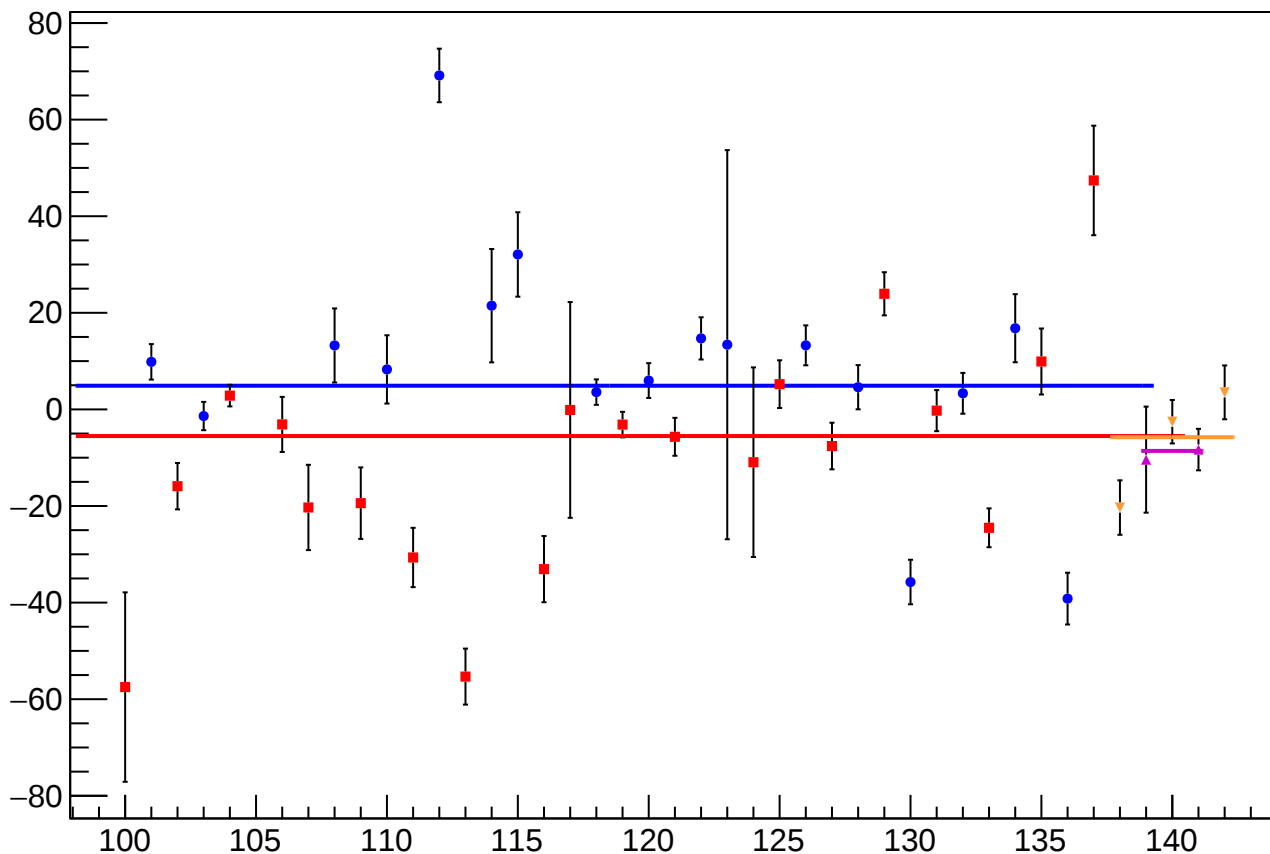
Left In: 304.150 $\pm$ 4.305 χ^2/NDF : 7.0/1

-235.965 $\pm$ 1.287 χ^2/NDF : 119.6/19

14.100 $\pm$ 0.885 χ^2/NDF : 71977.0/41

238.198 $\pm$ 1.218 χ^2/NDF : 262.2/21

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: -5.755 ± 2.974 χ^2/NDF : 10.0/2

Right Out: -5.517 ± 1.067 χ^2/NDF : 239.0/19

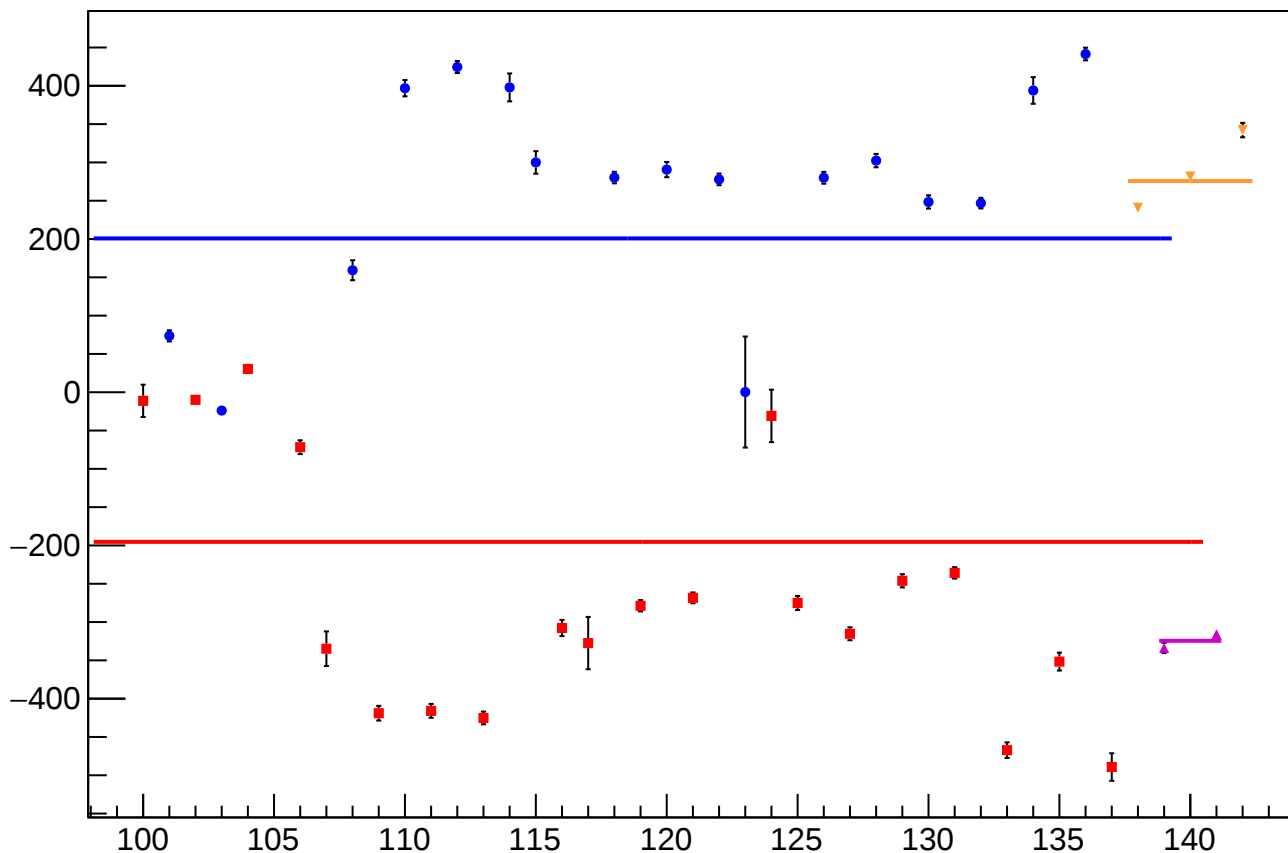
Left In: -8.593 ± 4.000 χ^2/NDF : 0.0/1

3.611 ± 1.036 χ^2/NDF : 332.9/19

-1.078 ± 0.731 χ^2/NDF : 613.2/41

-5.722 ± 1.031 χ^2/NDF : 239.5/21

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

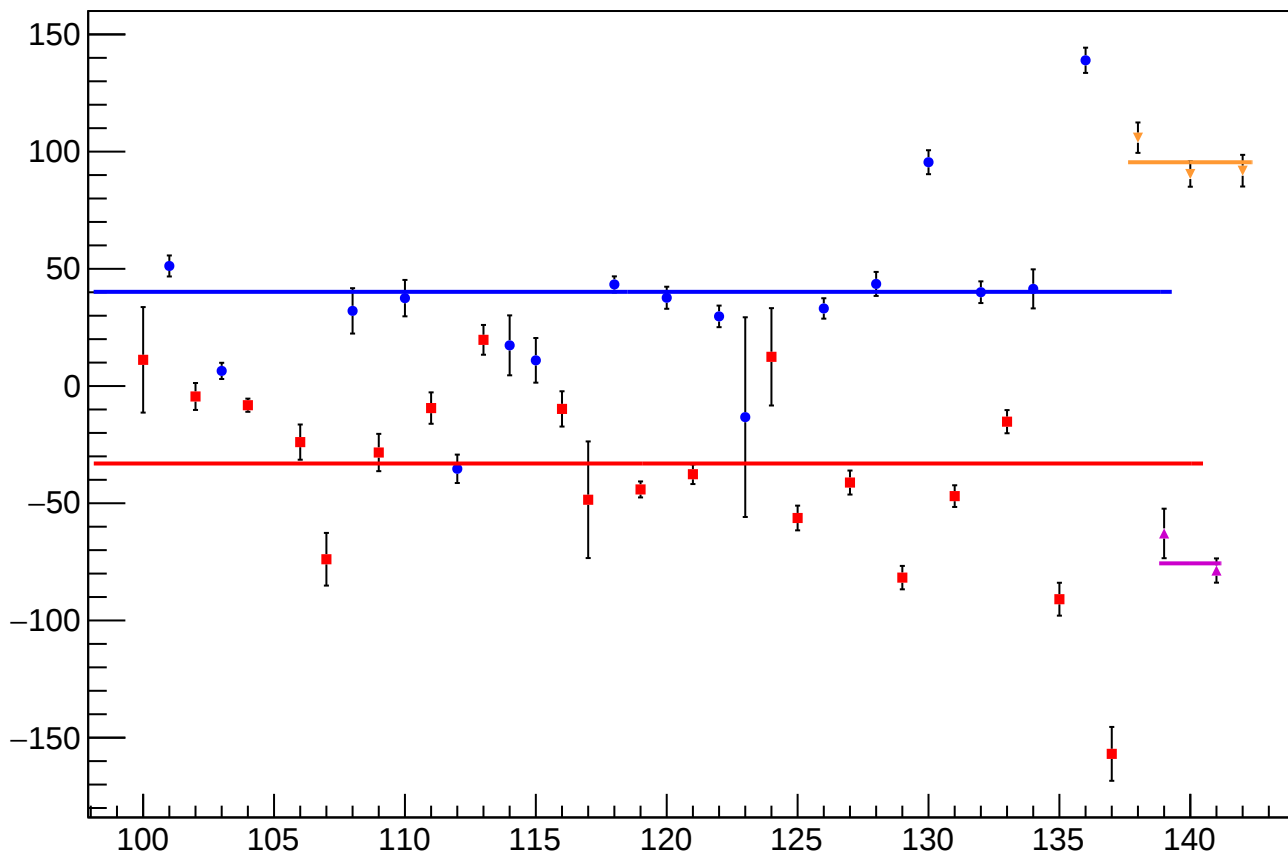
Left In: -324.471 $\pm$ 4.620 χ^2 /NDF:3.7/1

216.367 $\pm$ 1.765 χ^2 /NDF: 7112.8/19

2.078 $\pm$ 1.251 χ^2 /NDF: 45678.0/41

-214.346 $\pm$ 1.774 χ^2 /NDF: 8932.3/21

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

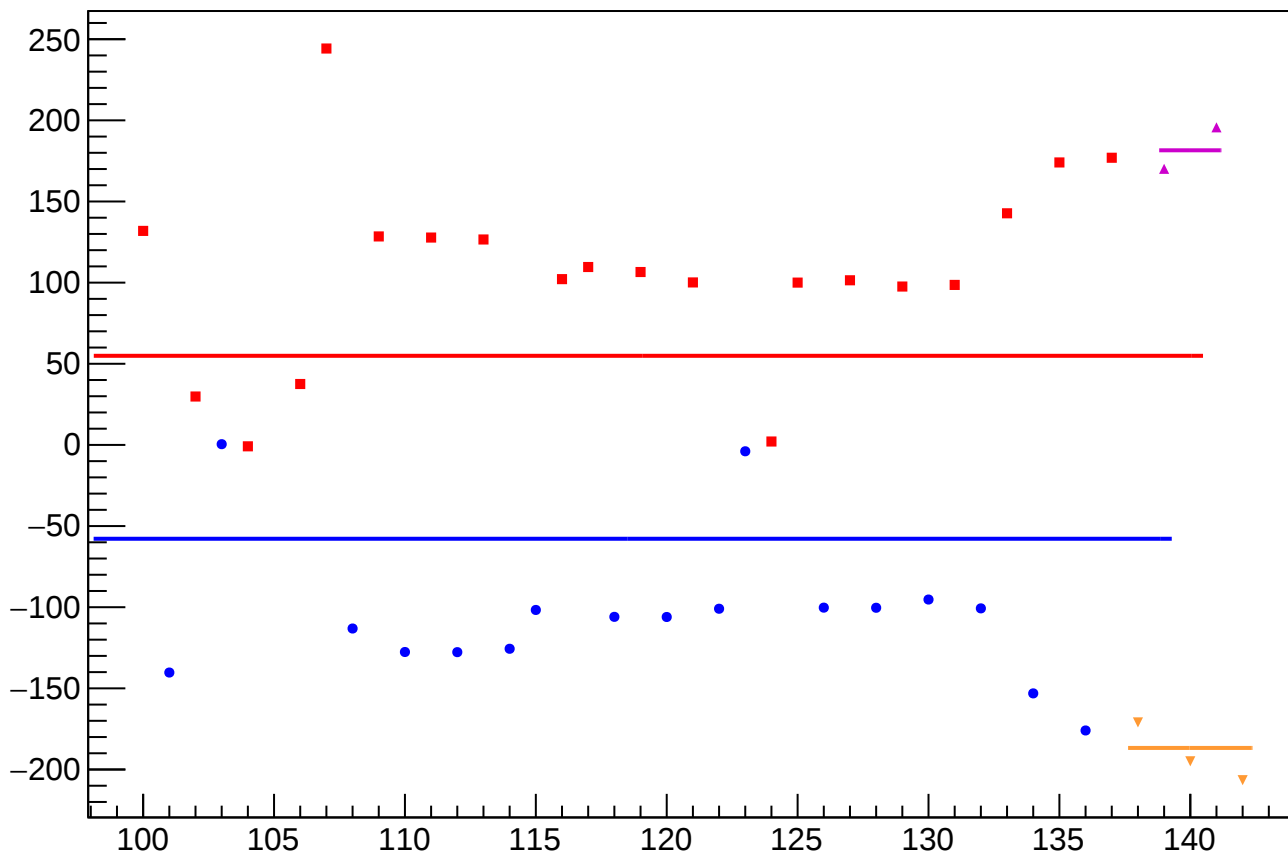
Left In: -75.640+/-4.646 χ^2/NDF : 1.8/1

46.598+/-1.206 χ^2/NDF : 953.6/19

5.326+/-0.853 χ^2/NDF : 3926.6/41

-35.915+/-1.206 χ^2/NDF : 633.3/21

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

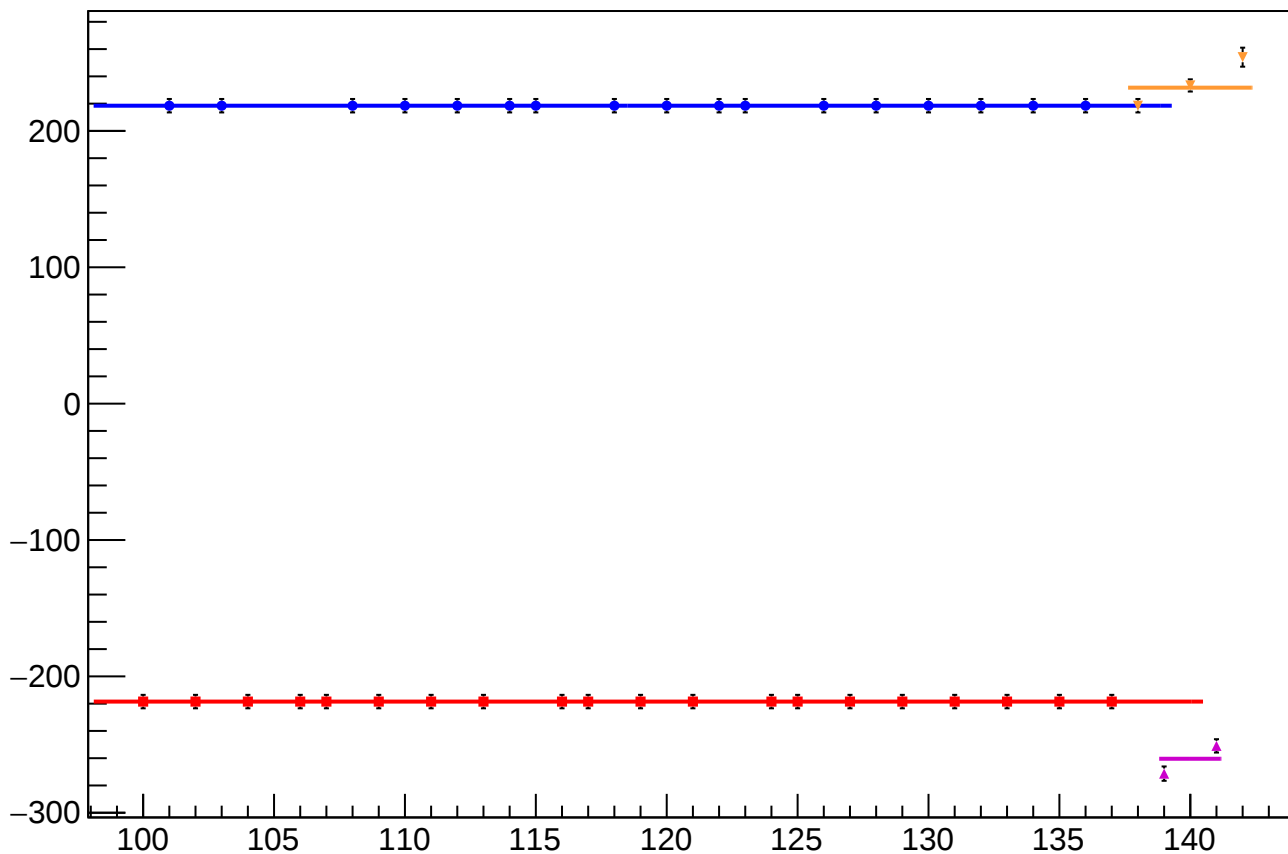
Left In: 181.542+/-0.174 χ^2/NDF : 5357.0/1

-74.526+/-0.058 χ^2/NDF : 1673200.8/19

-2.040+/-0.040 χ^2/NDF : 6275355.2/41

68.501+/-0.057 χ^2/NDF : 1482246.2/21

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 218.484 $\pm$ 1.199 χ^2 /NDF: 0.0/16

Left Out: 231.717 $\pm$ 2.997 χ^2 /NDF:17.6/2

Right Out: -218.484 $\pm$ 1.105 χ^2 /NDF: 0.0/19

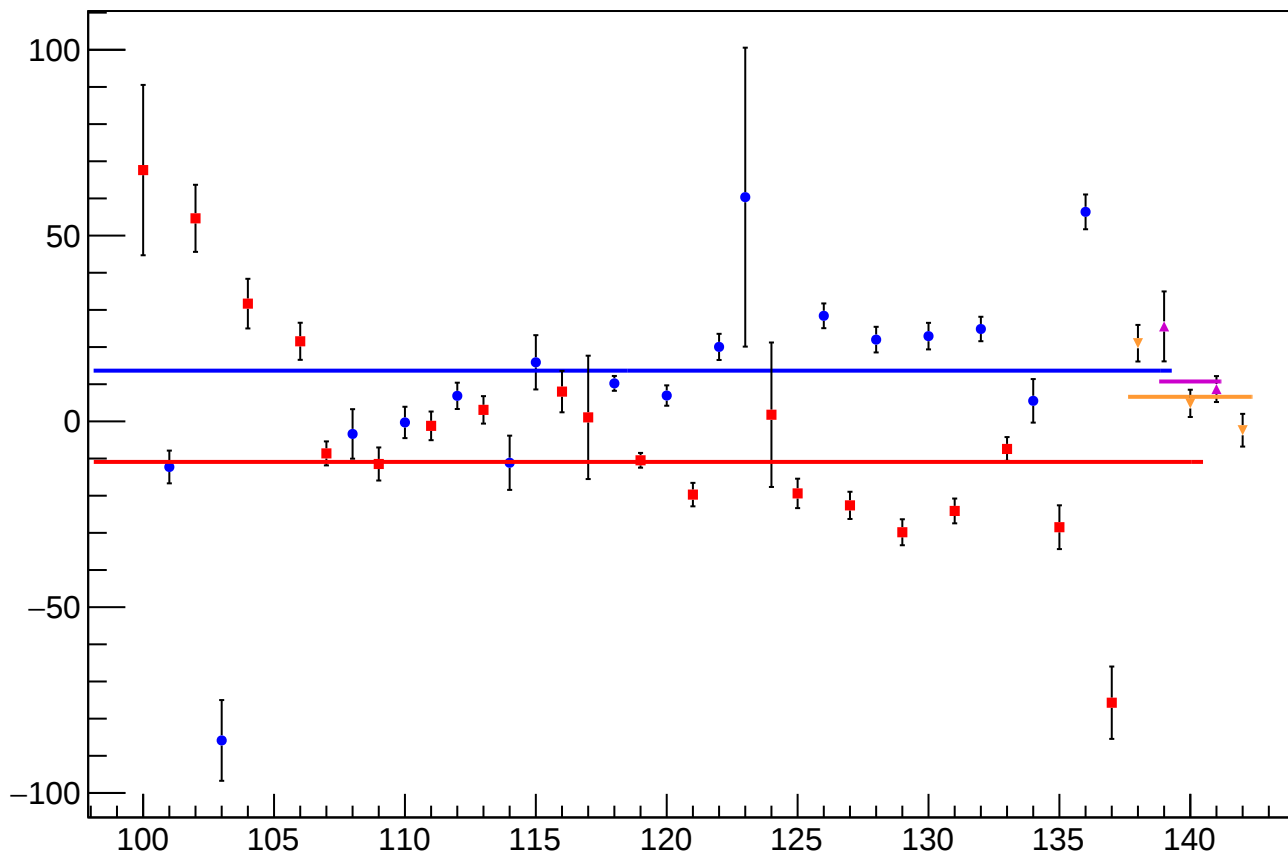
Left In: -260.415 $\pm$ 3.584 χ^2 /NDF:8.0/1

220.310 $\pm$ 1.113 χ^2 /NDF: 34.4/19

-12.499 $\pm$ 0.766 χ^2 /NDF: 83293.5/41

-222.126 $\pm$ 1.056 χ^2 /NDF: 133.0/21

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 ± 0.936 χ^2/NDF : 294.0/16

Left Out: 6.613 ± 2.446 χ^2/NDF : 13.0/2

Right Out: -10.908 ± 0.912 χ^2/NDF : 303.1/19

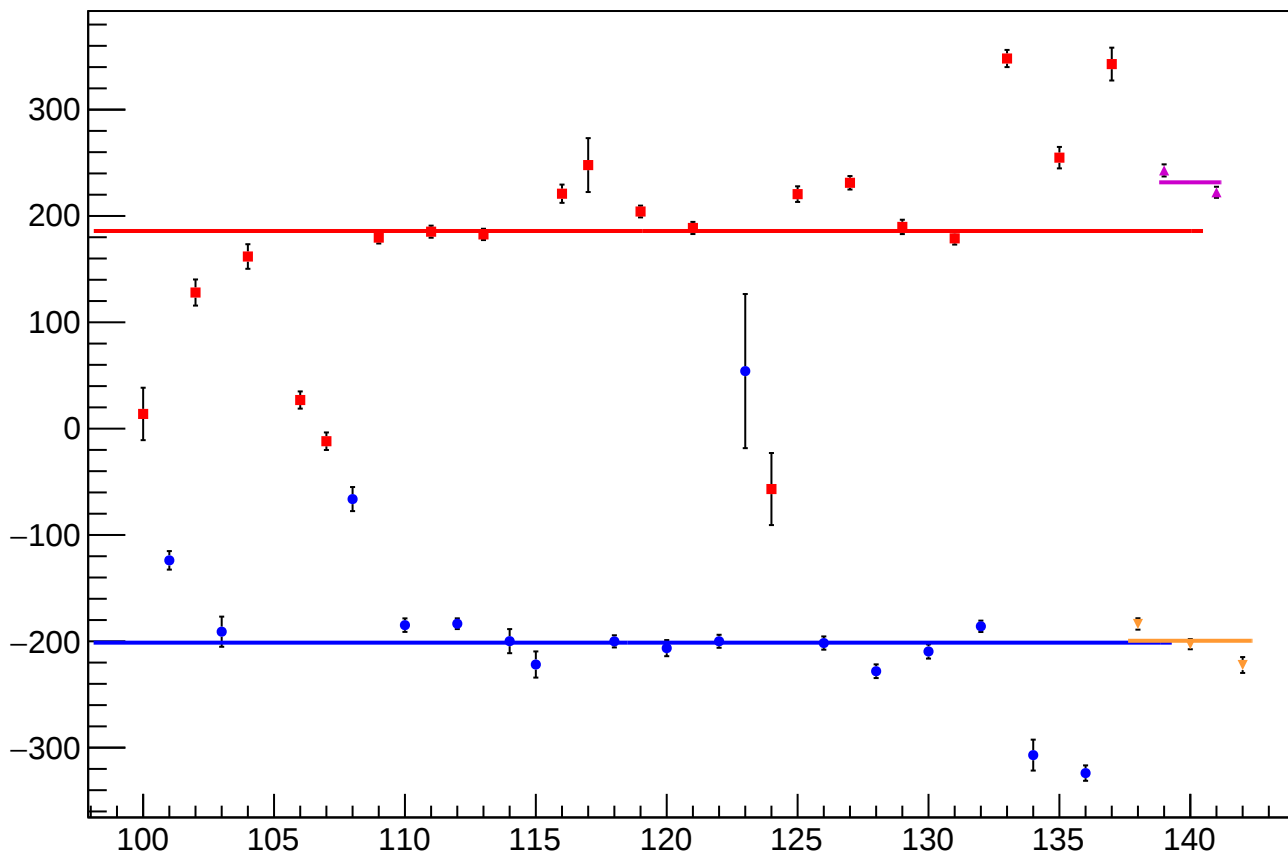
Left In: 10.736 ± 3.273 χ^2/NDF : 2.8/1

12.753 ± 0.874 χ^2/NDF : 314.2/19

1.752 ± 0.620 χ^2/NDF : 978.7/41

-9.349 ± 0.878 χ^2/NDF : 346.5/21

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 $\chi^2/\text{NDF}: 623.4/16$

Left Out: -199.488 ± 3.215 $\chi^2/\text{NDF}: 18.5/2$

Right Out: 185.871 ± 1.695 $\chi^2/\text{NDF}: 1752.0/19$

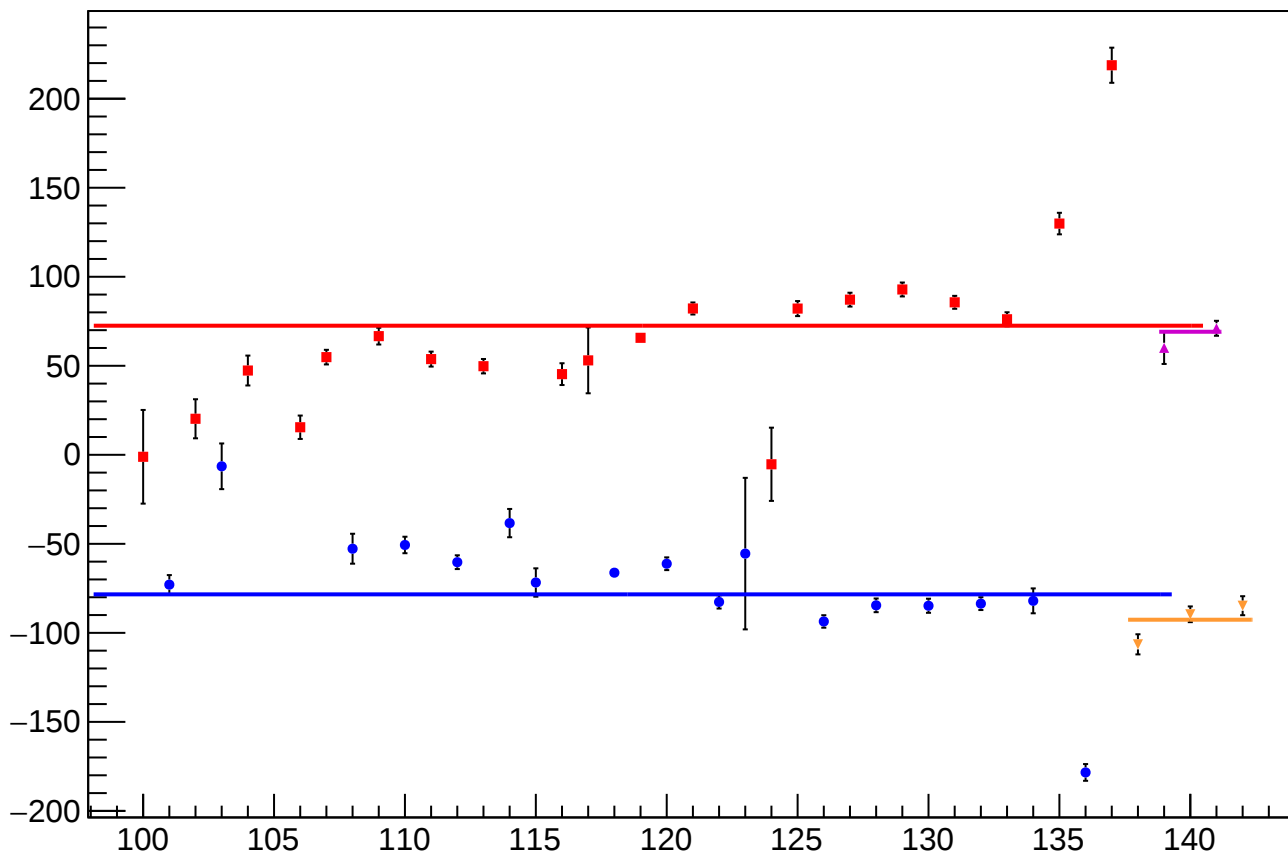
Left In: 231.634 ± 3.844 $\chi^2/\text{NDF}: 7.1/1$

-200.843 ± 1.567 $\chi^2/\text{NDF}: 642.1/19$

-1.711 ± 1.103 $\chi^2/\text{NDF}: 34465.4/41$

193.325 ± 1.551 $\chi^2/\text{NDF}: 1877.8/21$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

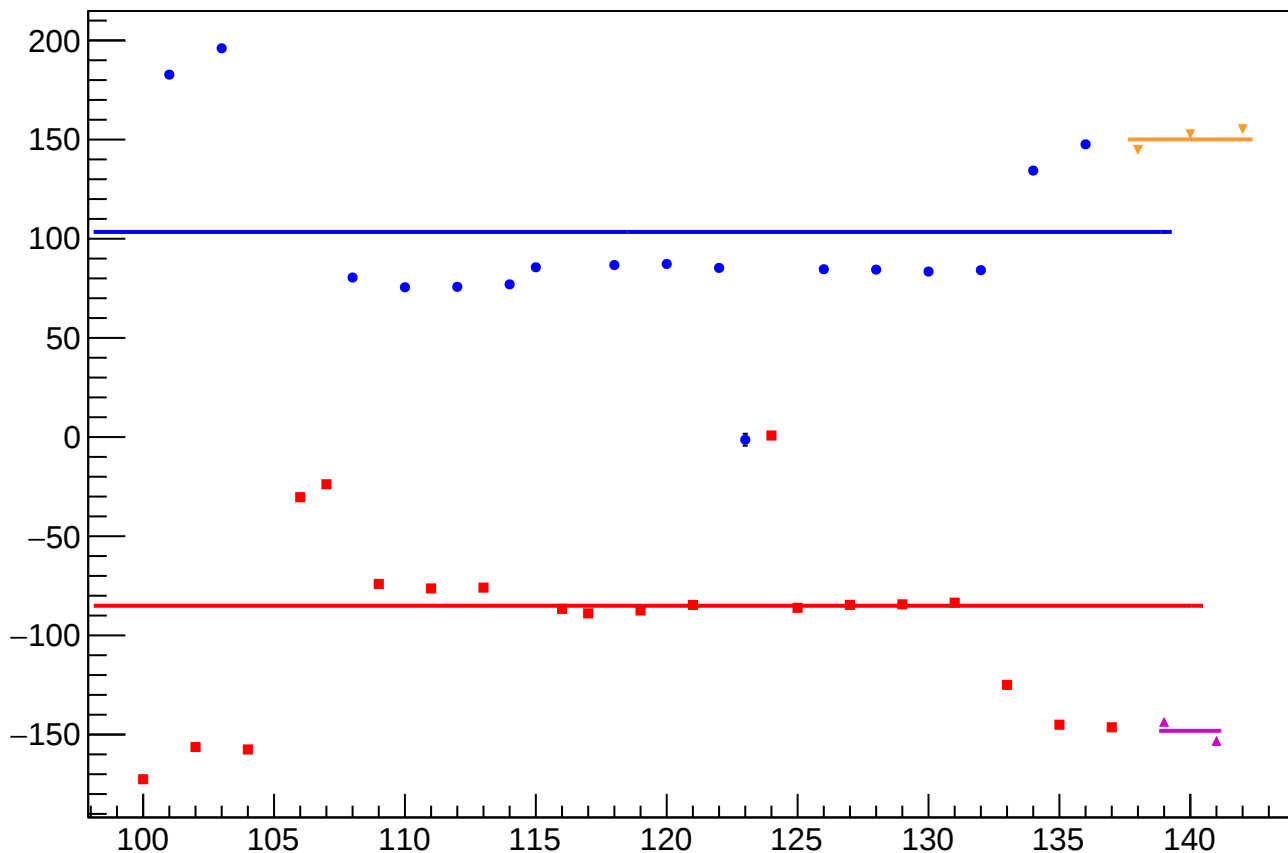
Left In: 69.114 ± 3.812 χ^2/NDF : 1.2/1

-80.098 ± 1.014 χ^2/NDF : 681.0/19

-3.783 ± 0.716 χ^2/NDF : 12601.4/41

72.274 ± 1.012 χ^2/NDF : 608.9/21

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

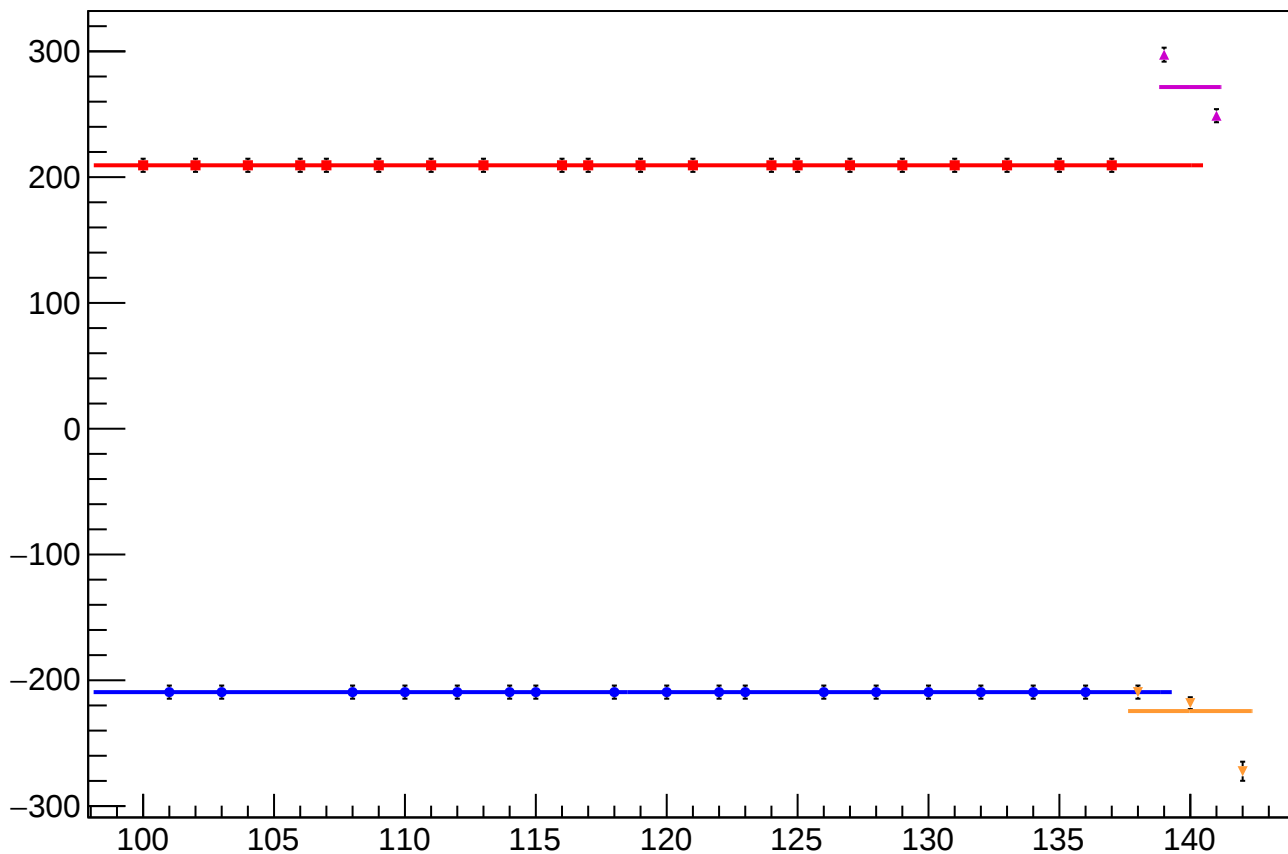
Left In: -148.111 $\pm$ 0.145 χ^2/NDF : 1093.6/1

113.727 $\pm$ 0.063 χ^2/NDF : 369402.5/19

1.859 $\pm$ 0.043 χ^2/NDF : 6921418.1/41

-95.220 $\pm$ 0.058 χ^2/NDF : 581705.7/21

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

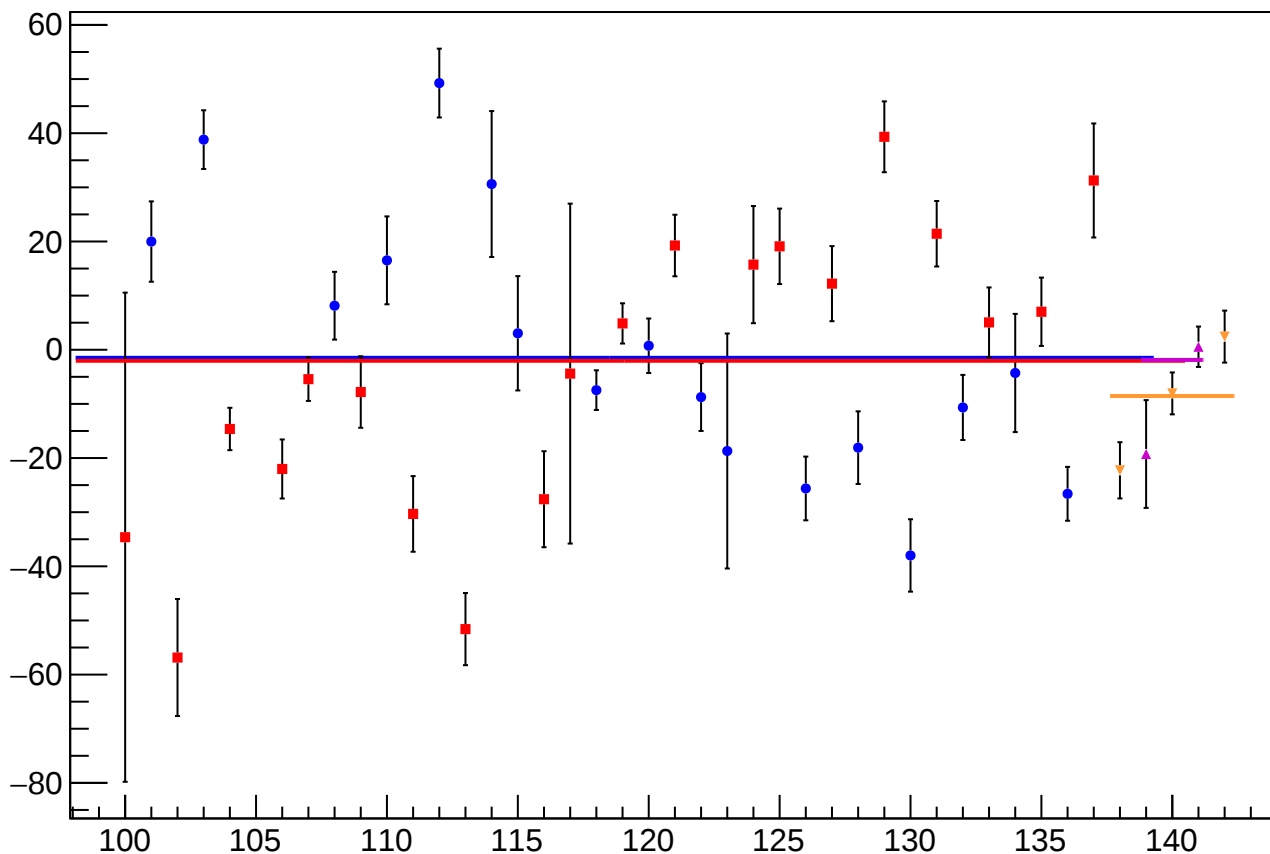
Left In: 271.625+/-3.810 χ^2/NDF : 40.4/1

-211.477+/-1.180 χ^2/NDF : 69.0/19

12.853+/-0.812 χ^2/NDF : 68997.6/41

214.785+/-1.120 χ^2/NDF : 284.0/21

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 $\pm$ 1.536 χ^2 /NDF: 226.0/16

Left Out: -8.544 $\pm$ 2.607 χ^2 /NDF:12.2/2

Right Out: -2.032 $\pm$ 1.398 χ^2 /NDF: 233.3/19

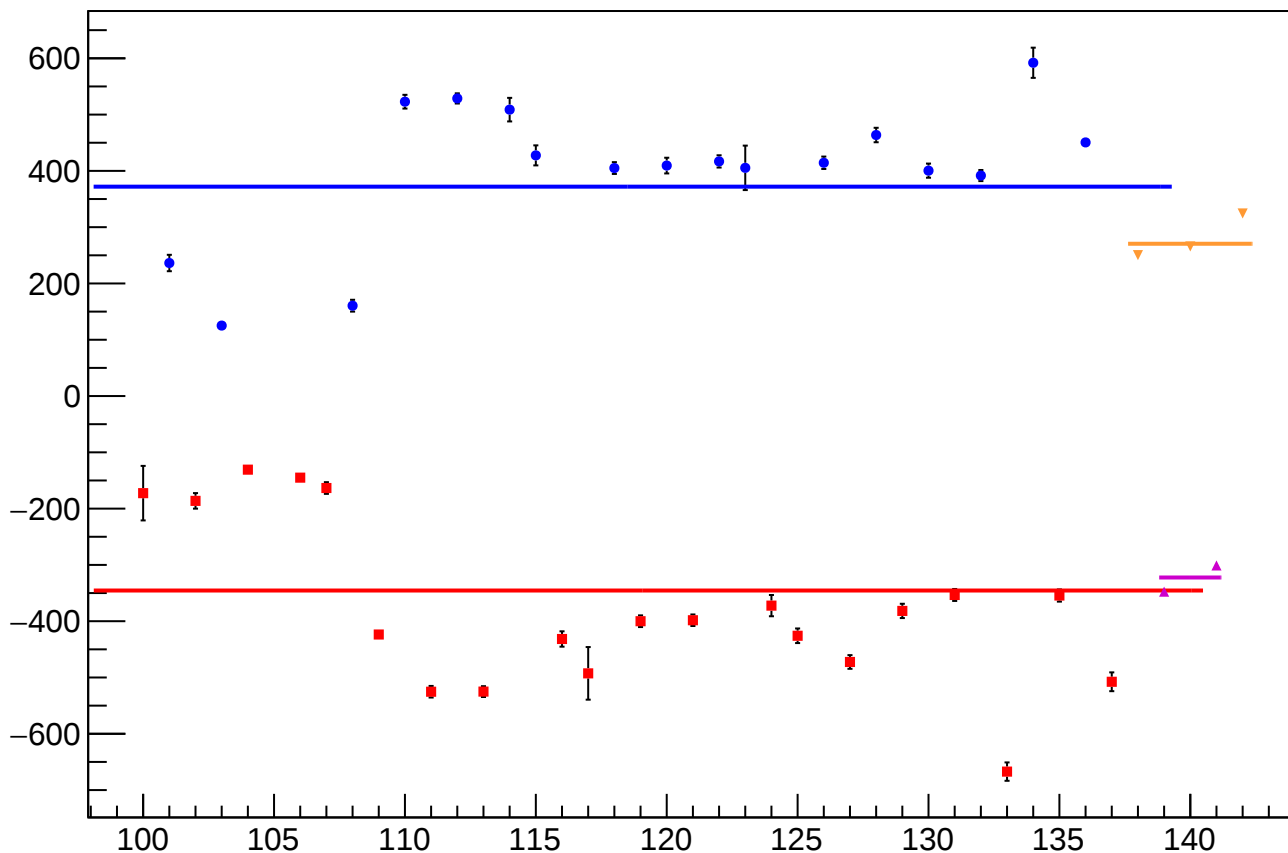
Left In: -1.879 $\pm$ 3.491 χ^2 /NDF:3.5/1

-3.309 $\pm$ 1.323 χ^2 /NDF: 243.6/19

-2.647 $\pm$ 0.927 χ^2 /NDF: 480.9/41

-2.011 $\pm$ 1.298 χ^2 /NDF: 236.8/21

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 ± 2.778 χ^2/NDF : 2432.6/16

Left Out: 270.532 ± 3.417 χ^2/NDF : 57.4/2

Right Out: -345.485 ± 2.558 χ^2/NDF : 3425.1/19

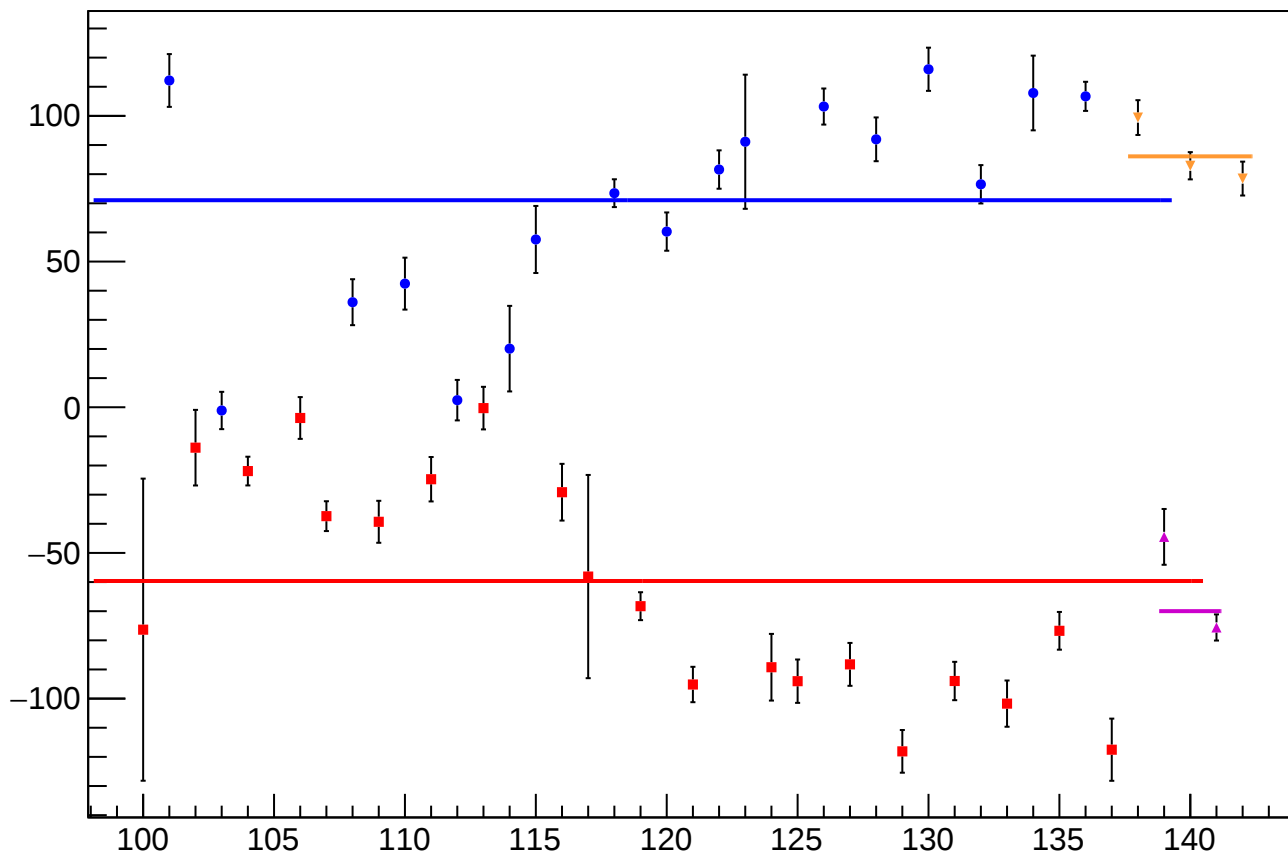
Left In: -322.366 ± 4.087 χ^2/NDF : 32.2/1

331.614 ± 2.155 χ^2/NDF : 3020.7/19

-1.655 ± 1.529 χ^2/NDF : 54607.3/41

-338.977 ± 2.168 χ^2/NDF : 3480.4/21

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

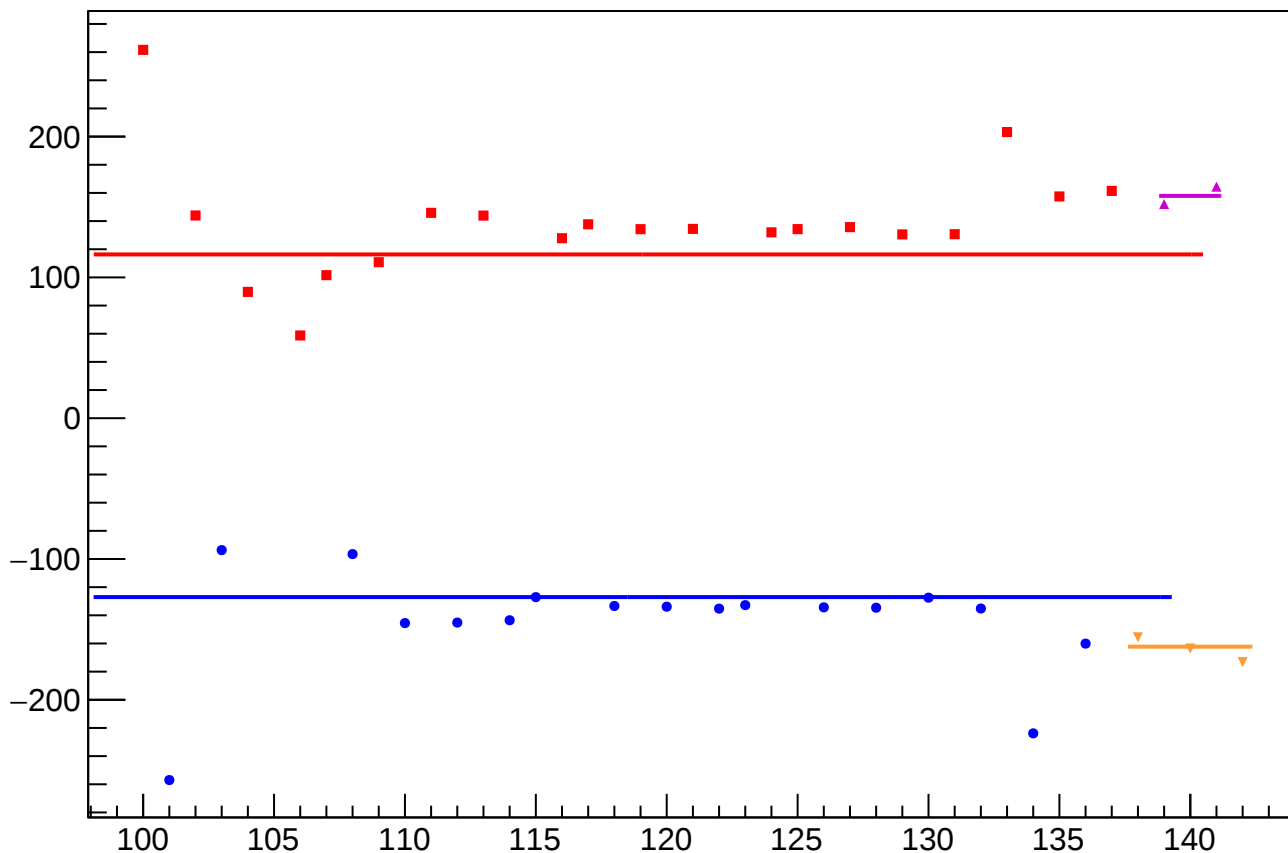
Left In: -69.982 $\pm$ 4.064 χ^2/NDF : 8.6/1

74.720 $\pm$ 1.534 χ^2/NDF : 451.1/19

5.840 $\pm$ 1.077 χ^2/NDF : 4929.3/41

-61.067 $\pm$ 1.512 χ^2/NDF : 505.9/21

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049 $\pm$ 0.090 χ^2 /NDF: 167014.4/16

Left Out: -162.253 $\pm$ 0.142 χ^2 /NDF: 2031.5/2

Right Out: 116.327 $\pm$ 0.083 χ^2 /NDF: 167208.7/19

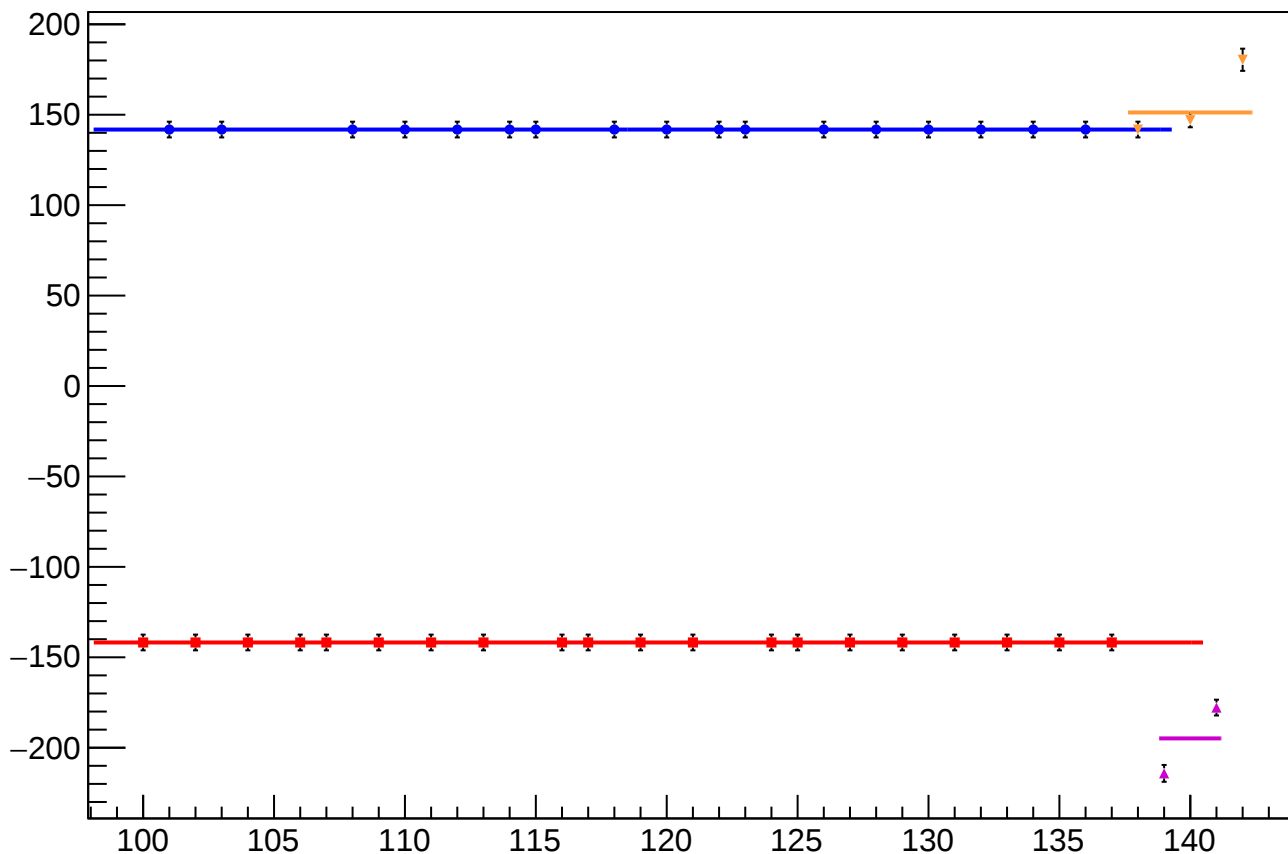
Left In: 157.903 $\pm$ 0.154 χ^2 /NDF: 1596.2/1

-137.109 $\pm$ 0.076 χ^2 /NDF: 212985.1/19

-0.726 $\pm$ 0.053 χ^2 /NDF: 6663183.6/41

125.649 $\pm$ 0.073 χ^2 /NDF: 225168.9/21

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 141.803+/-1.055 χ^2/NDF : 0.0/16

Left Out: 151.240+/-2.634 χ^2/NDF : 28.4/2

Right Out: -141.803+/-0.973 χ^2/NDF : 0.0/19

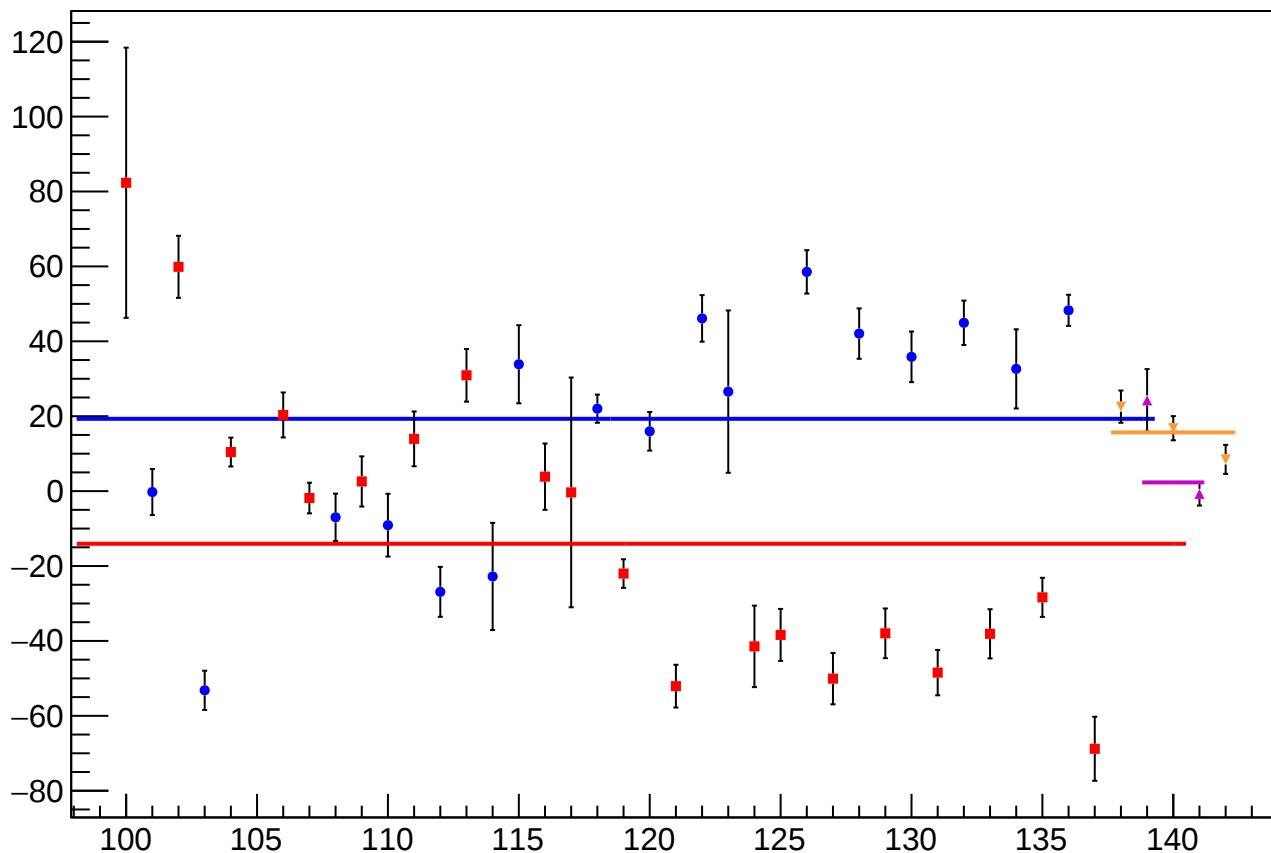
Left In: -194.847+/-3.187 χ^2/NDF : 32.4/1

143.108+/-0.980 χ^2/NDF : 39.5/19

-9.038+/-0.675 χ^2/NDF : 46203.3/41

-146.325+/-0.931 χ^2/NDF : 285.8/21

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 $\chi^2/\text{NDF}: 441.3/16$

Left Out: 15.676 ± 2.148 $\chi^2/\text{NDF}: 6.1/2$

Right Out: -14.055 ± 1.388 $\chi^2/\text{NDF}: 437.1/19$

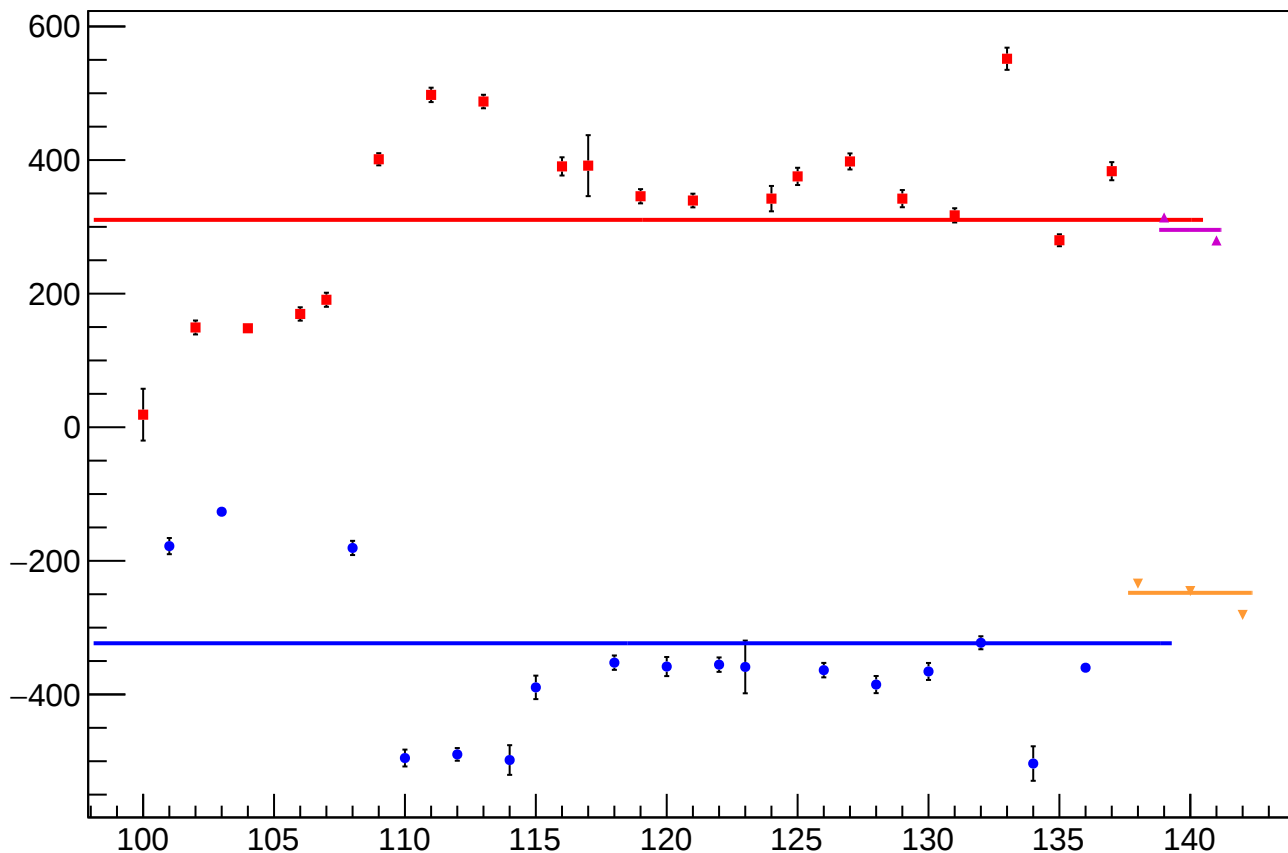
Left In: 2.325 ± 2.920 $\chi^2/\text{NDF}: 7.9/1$

18.117 ± 1.230 $\chi^2/\text{NDF}: 449.3/19$

3.820 ± 0.878 $\chi^2/\text{NDF}: 1195.4/41$

-11.036 ± 1.254 $\chi^2/\text{NDF}: 470.6/21$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

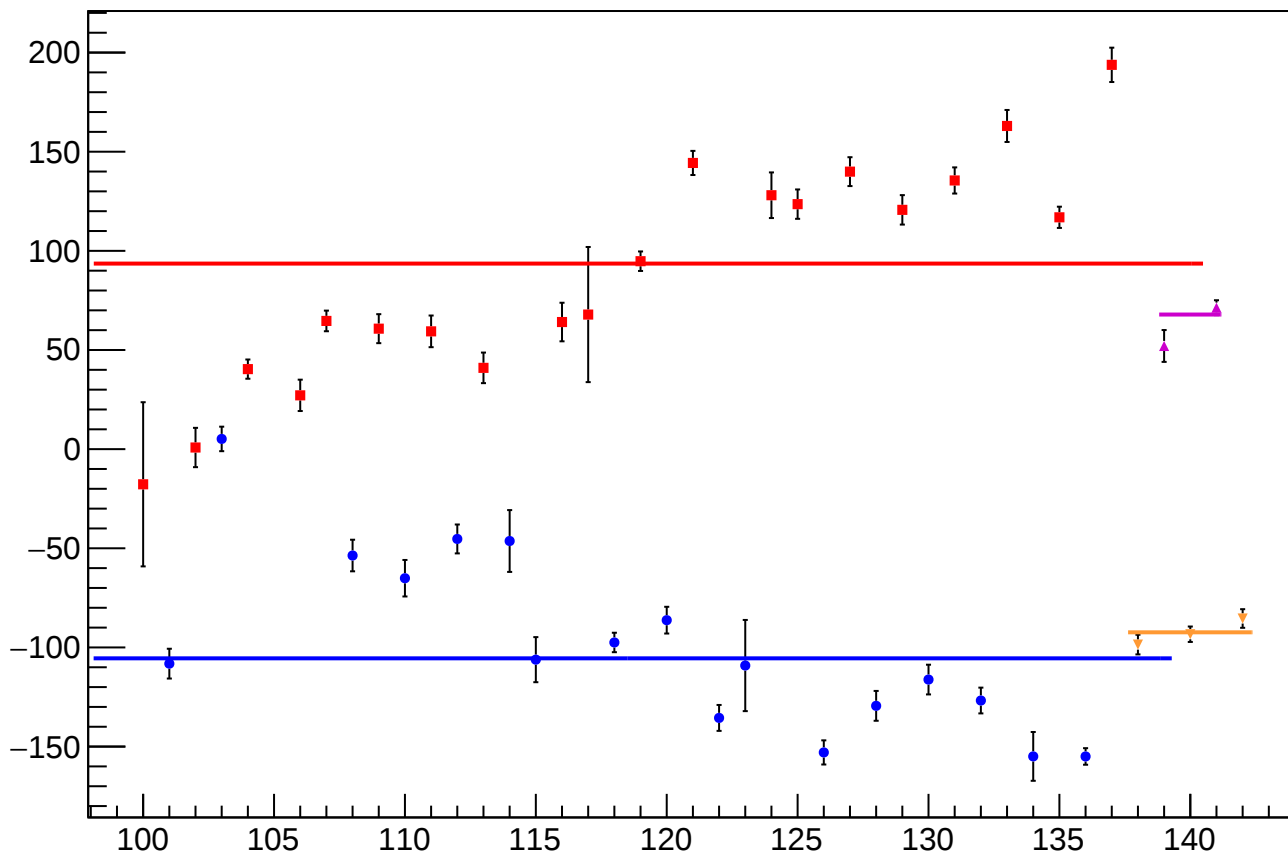
Left In: 295.474±/3.419 χ^2/NDF : 25.2/1

-287.589±/1.946 χ^2/NDF : 2259.3/19

-3.430±/1.404 χ^2/NDF : 49074.0/41

305.200±/2.028 χ^2/NDF : 2339.7/21

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496+/-1.712 χ^2/NDF : 737.3/16

Left Out: -92.376+/-2.564 χ^2/NDF : 3.8/2

Right Out: 93.579+/-1.608 χ^2/NDF : 827.7/19

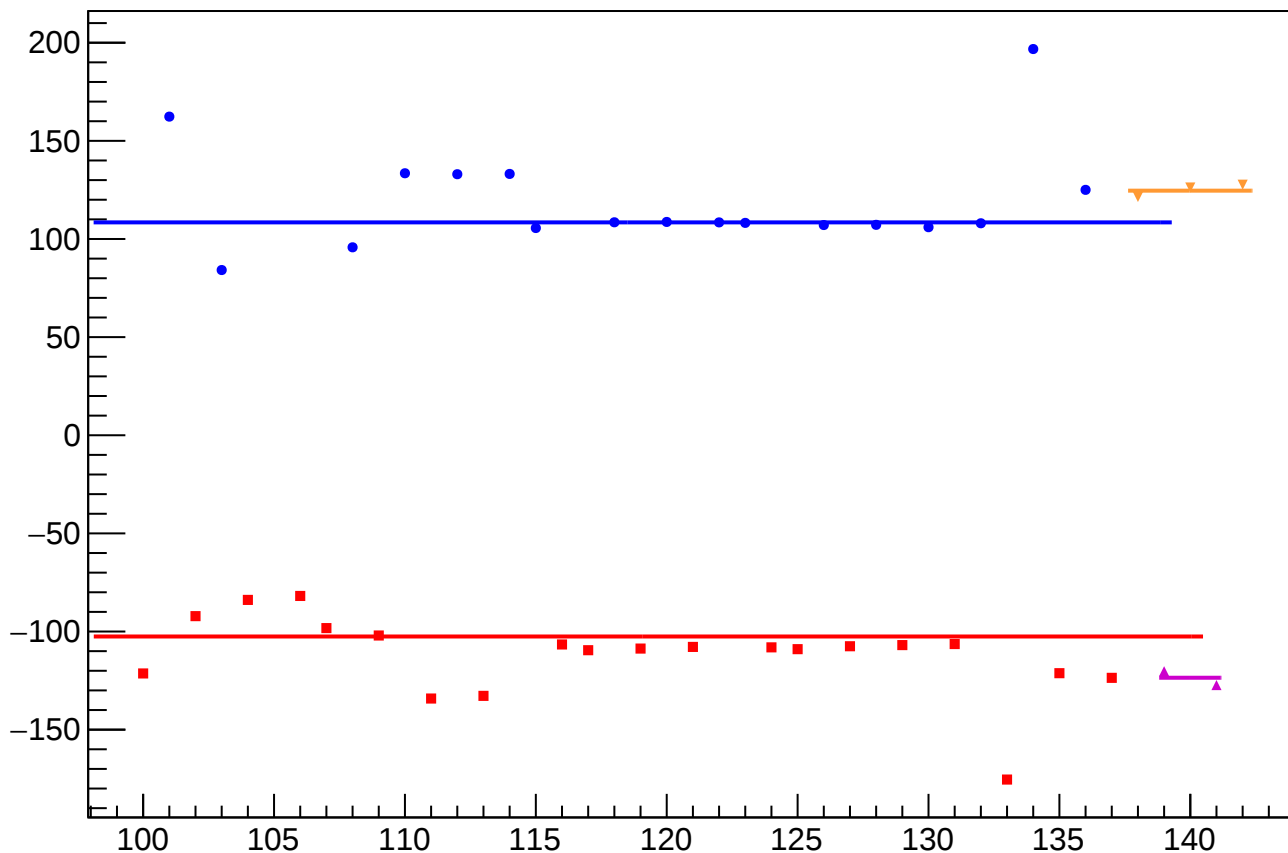
Left In: 67.882+/-3.400 χ^2/NDF : 4.7/1

-101.449+/-1.424 χ^2/NDF : 759.3/19

-8.281+/-1.017 χ^2/NDF : 10386.8/41

88.879+/-1.454 χ^2/NDF : 879.1/21

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 χ^2/NDF : 73301.9/16

Left Out: 124.621 ± 0.117 χ^2/NDF : 505.4/2

Right Out: -102.532 ± 0.079 χ^2/NDF : 53003.2/19

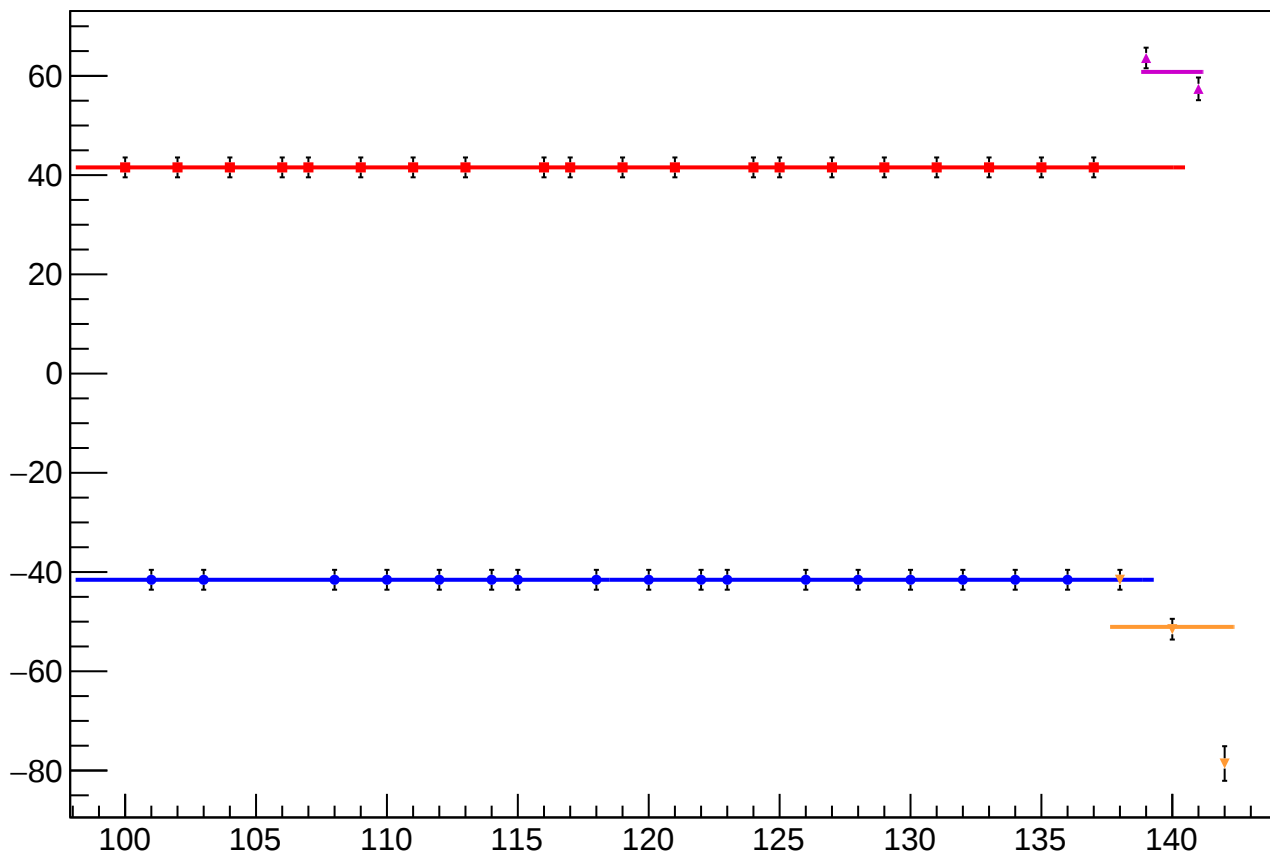
Left In: -123.548 ± 0.129 χ^2/NDF : 742.7/1

114.024 ± 0.069 χ^2/NDF : 86253.4/19

1.013 ± 0.048 χ^2/NDF : 5462980.8/41

-108.306 ± 0.068 χ^2/NDF : 72953.5/21

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

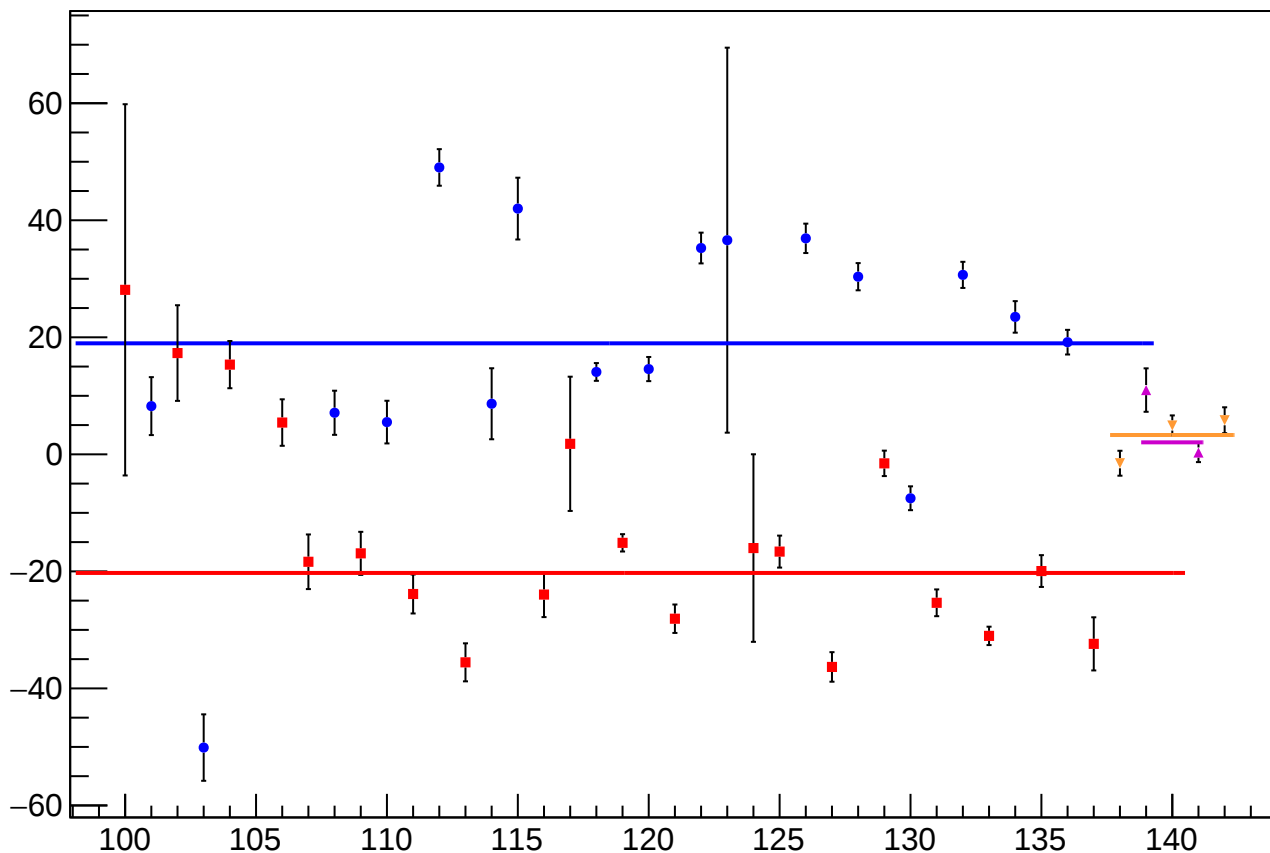
Left In: 60.800 $\pm$ 1.537 χ^2/NDF : 4.1/1

-42.667 $\pm$ 0.456 χ^2/NDF : 129.7/19

2.758 $\pm$ 0.313 χ^2/NDF : 19003.2/41

43.061 $\pm$ 0.430 χ^2/NDF : 148.6/21

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 3.303 ± 1.146 χ^2/NDF : 7.3/2

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

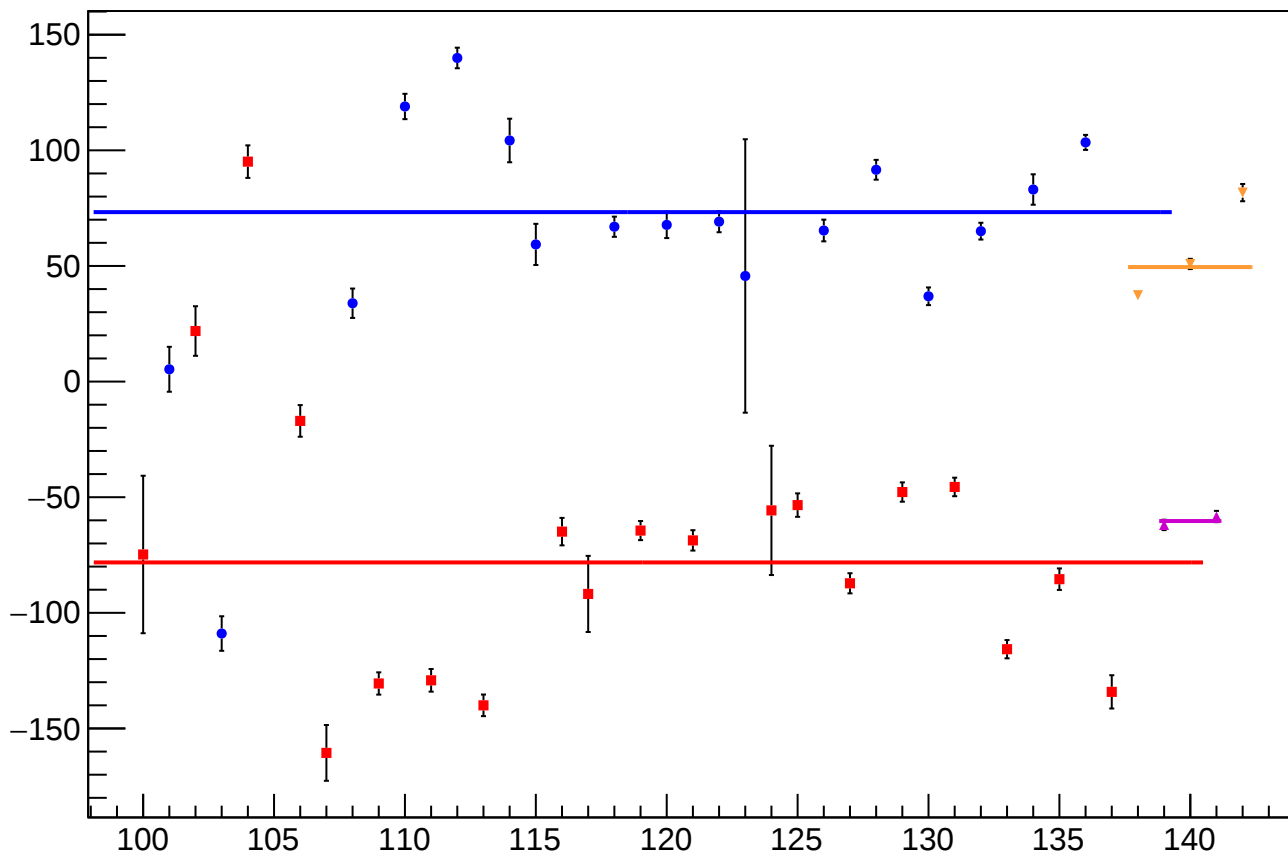
Left In: 2.048 ± 1.498 χ^2/NDF : 6.9/1

15.129 ± 0.567 χ^2/NDF : 766.8/19

-0.232 ± 0.409 χ^2/NDF : 2855.9/41

-16.815 ± 0.589 χ^2/NDF : 564.5/21

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

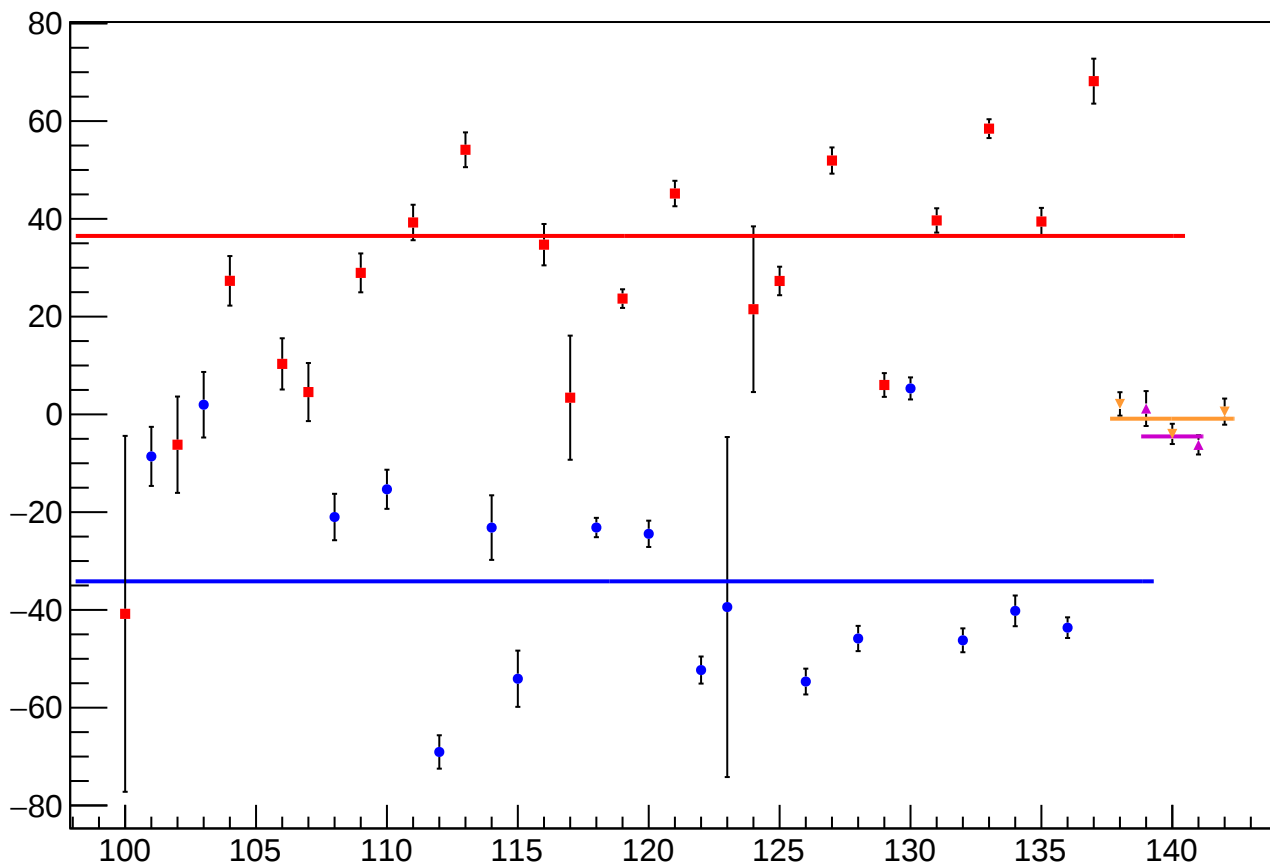
Left In: -60.303 $\pm$ 1.651 χ^2 /NDF:1.2/1

63.146 $\pm$ 0.936 χ^2 /NDF: 1462.3/19

-1.240 $\pm$ 0.677 χ^2 /NDF: 13000.1/41

-71.890 $\pm$ 0.981 χ^2 /NDF: 1621.3/21

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

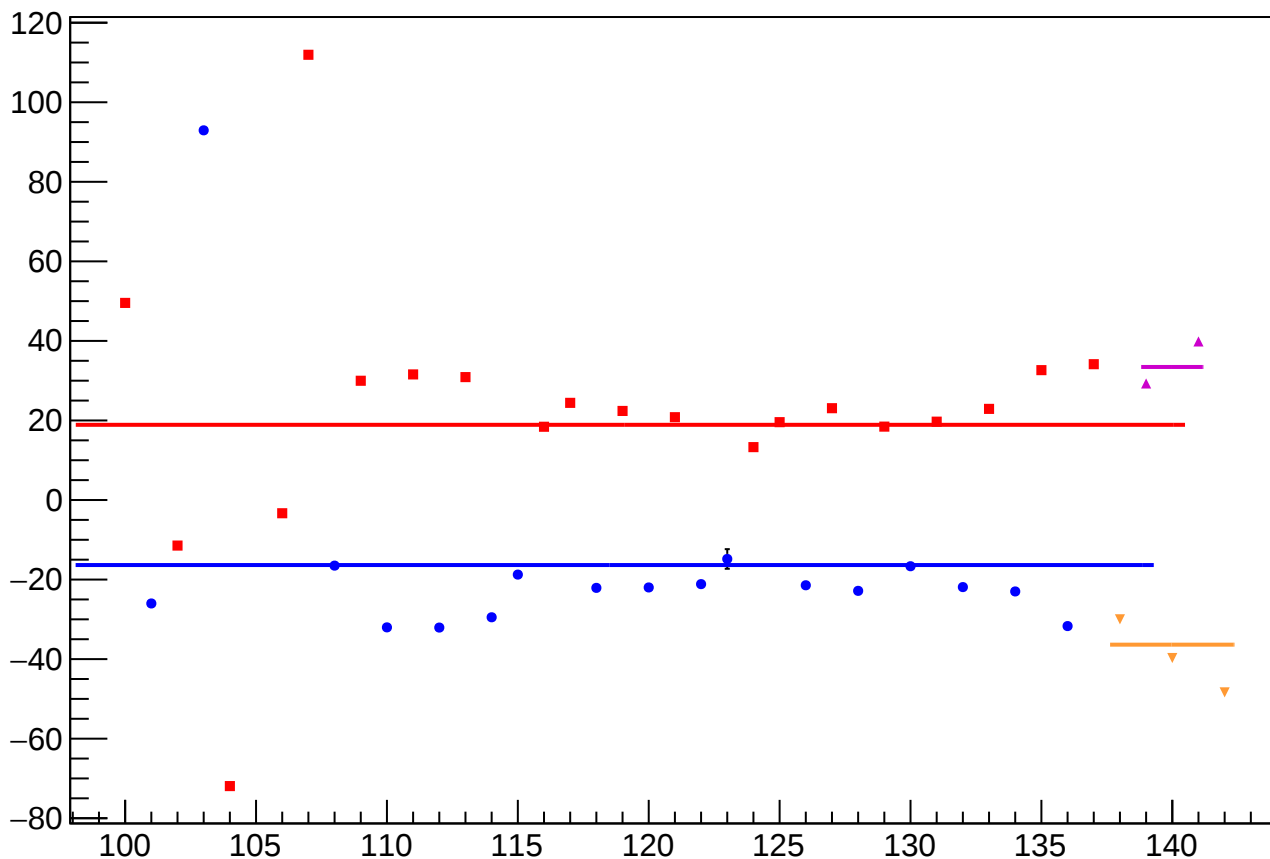
Left In: -4.509+/-1.722 χ^2/NDF : 3.3/1

-26.408+/-0.652 χ^2/NDF : 1186.1/19

0.904+/-0.469 χ^2/NDF : 5855.1/41

30.193+/-0.676 χ^2/NDF : 1037.1/21

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 $\pm$ 0.045 χ^2 /NDF: 474192.3/16

Left Out: -36.366 $\pm$ 0.059 χ^2 /NDF: 13331.5/2

Right Out: 18.906 $\pm$ 0.045 χ^2 /NDF: 433847.1/19

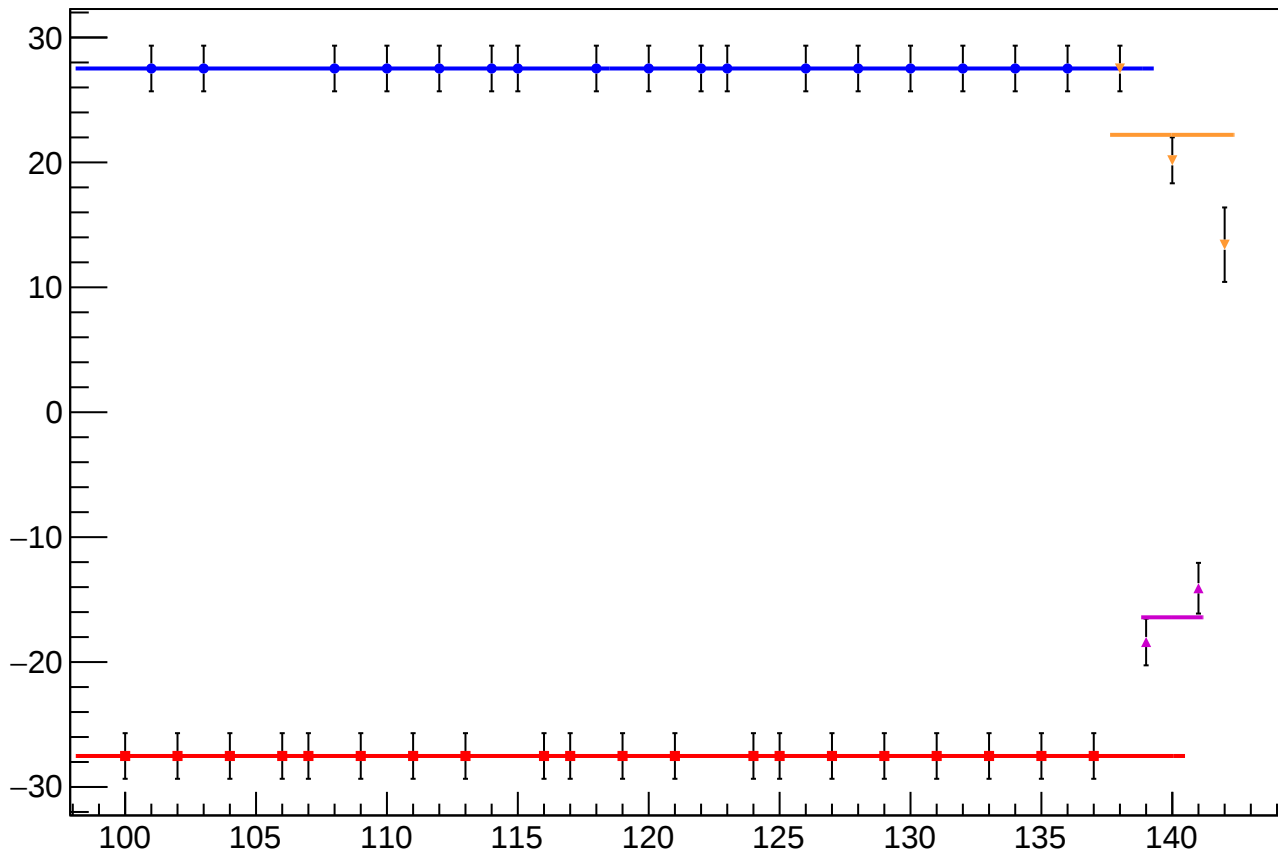
Left In: 33.451 $\pm$ 0.061 χ^2 /NDF: 7054.2/1

-23.701 $\pm$ 0.036 χ^2 /NDF: 561368.8/19

-0.443 $\pm$ 0.025 χ^2 /NDF: 1918778.4/41

24.017 $\pm$ 0.036 χ^2 /NDF: 477259.3/21

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

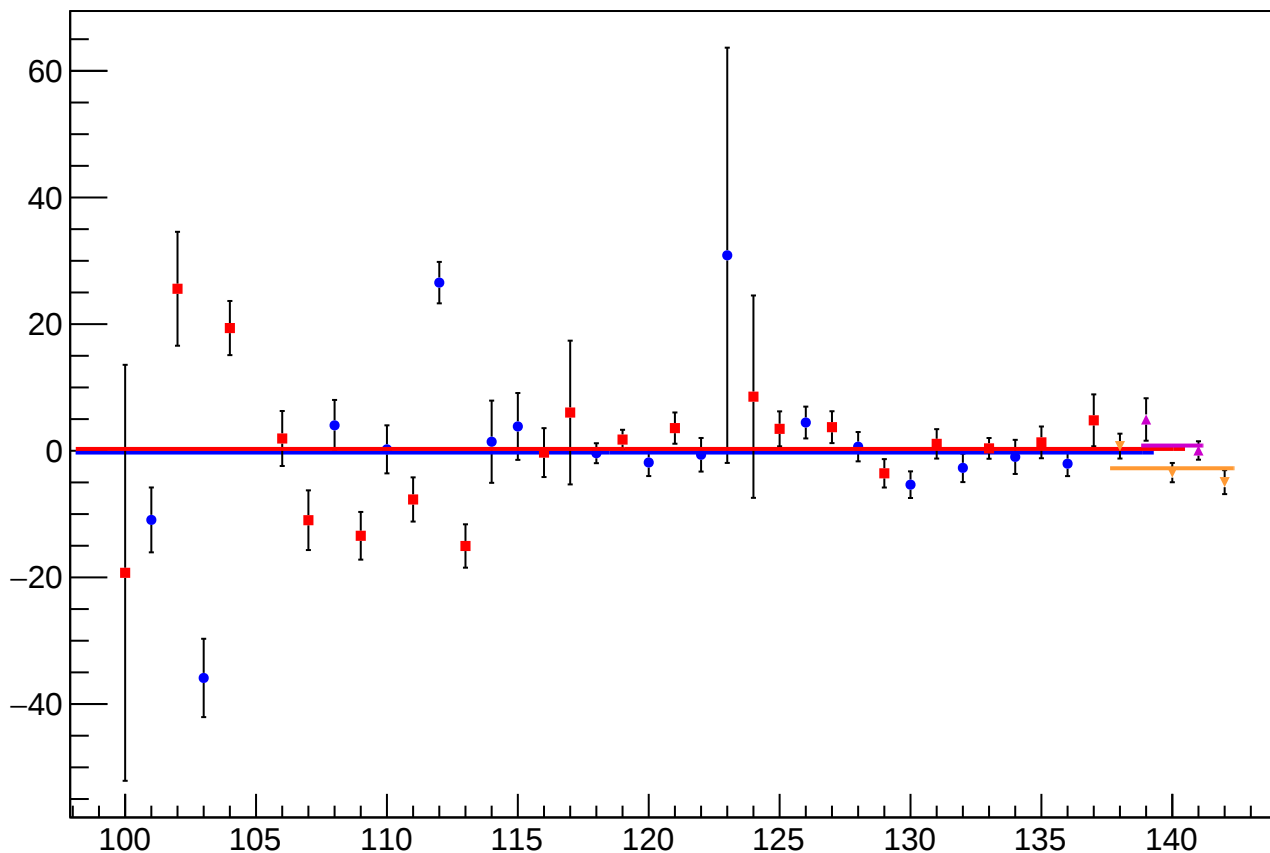
Left In: -16.417 $\pm$ 1.375 χ^2 /NDF: 2.4/1

26.871 $\pm$ 0.415 χ^2 /NDF: 35.9/19

-1.438 $\pm$ 0.285 χ^2 /NDF: 8884.9/41

-26.618 $\pm$ 0.392 χ^2 /NDF: 62.4/21

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

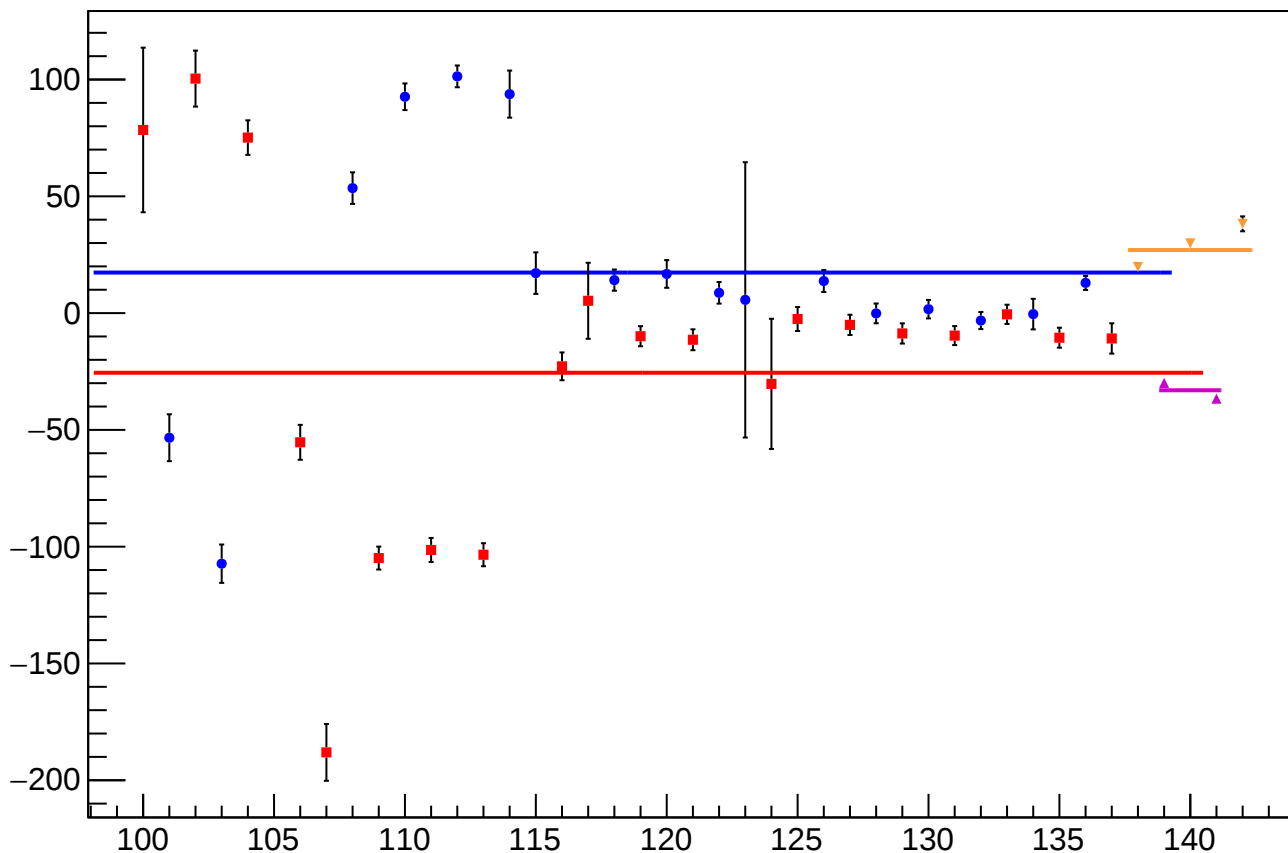
Left In: 0.823 ± 1.336 χ^2/NDF : 1.8/1

-1.021 ± 0.555 χ^2/NDF : 128.4/19

-0.355 ± 0.404 χ^2/NDF : 216.9/41

0.392 ± 0.588 χ^2/NDF : 85.4/21

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 1382.4/19$

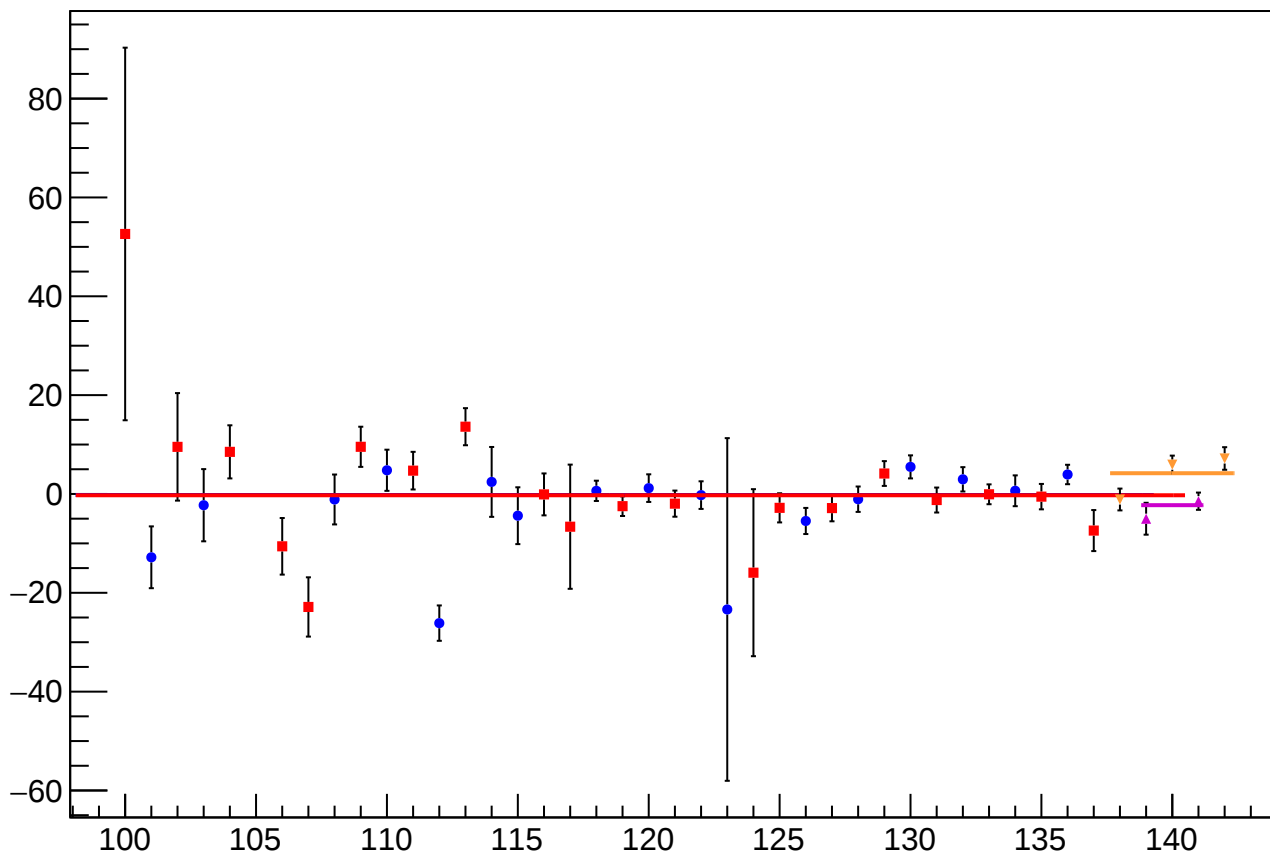
Left In: -33.036 ± 1.476 $\chi^2/\text{NDF}: 5.2/1$

22.066 ± 0.892 $\chi^2/\text{NDF}: 1000.1/19$

-1.716 ± 0.650 $\chi^2/\text{NDF}: 3917.6/41$

-28.636 ± 0.949 $\chi^2/\text{NDF}: 1402.8/21$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 $\chi^2/\text{NDF}: 75.9/16$

Left Out: 4.198 ± 1.198 $\chi^2/\text{NDF}: 8.4/2$

Right Out: -0.262 ± 0.747 $\chi^2/\text{NDF}: 54.8/19$

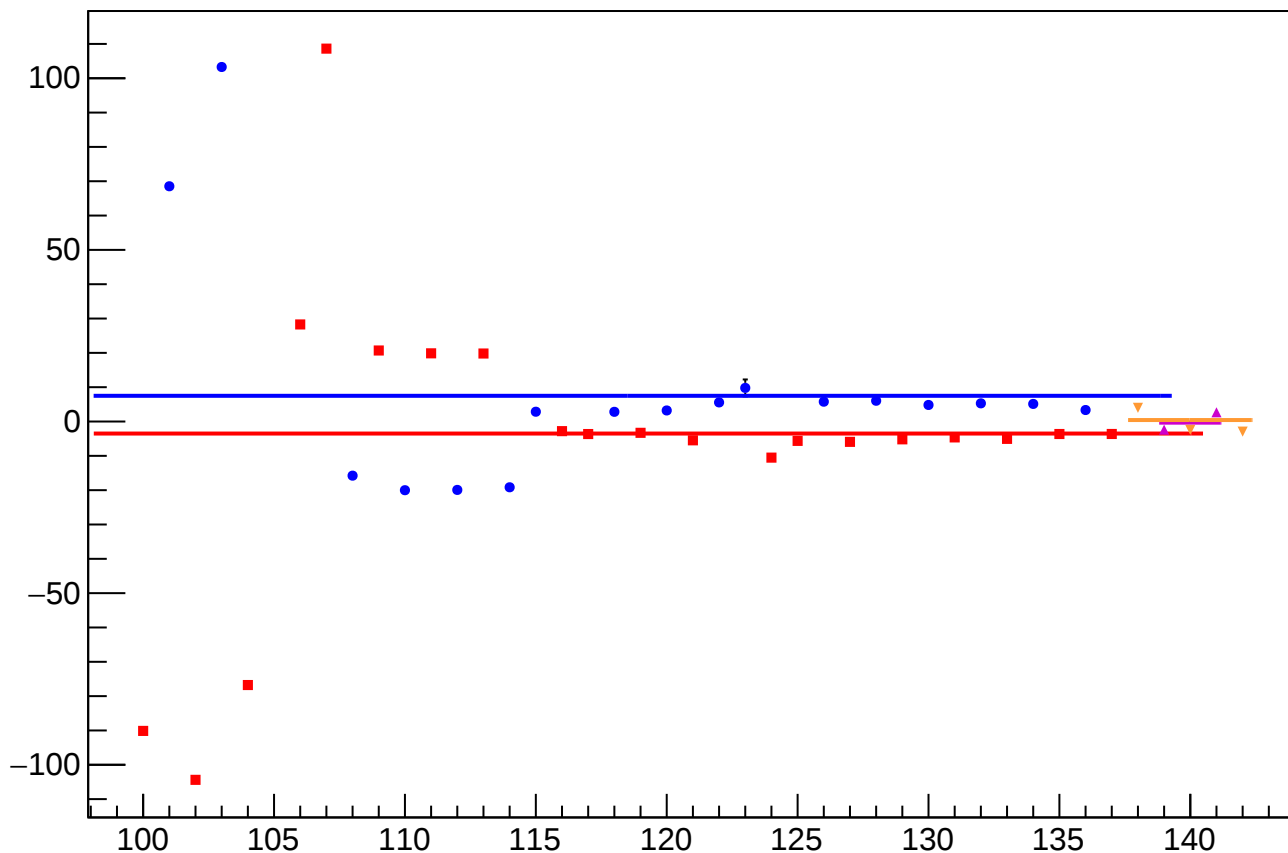
Left In: -2.268 ± 1.535 $\chi^2/\text{NDF}: 0.9/1$

1.034 ± 0.637 $\chi^2/\text{NDF}: 94.0/19$

0.239 ± 0.462 $\chi^2/\text{NDF}: 154.4/41$

-0.646 ± 0.672 $\chi^2/\text{NDF}: 57.1/21$

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

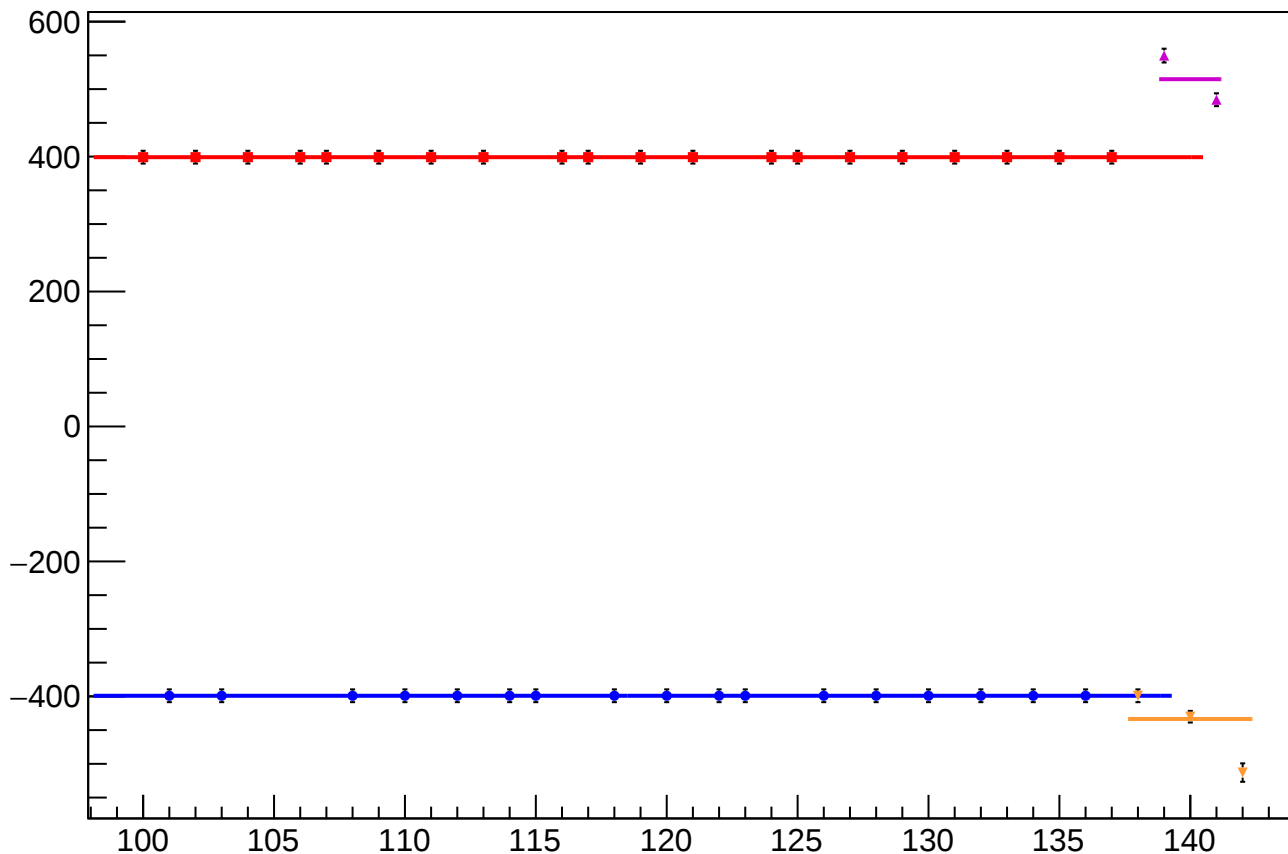
Left In: -0.331+/-0.055 χ^2/NDF : 2028.9/1

4.502+/-0.034 χ^2/NDF : 370550.9/19

1.260+/-0.024 χ^2/NDF : 904089.1/41

-2.216+/-0.035 χ^2/NDF : 514579.3/21

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -399.124 ± 2.307 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -433.507 ± 5.794 $\chi^2/\text{NDF}: 47.0/2$

Right Out: 399.124 ± 2.127 $\chi^2/\text{NDF}: 0.0/19$

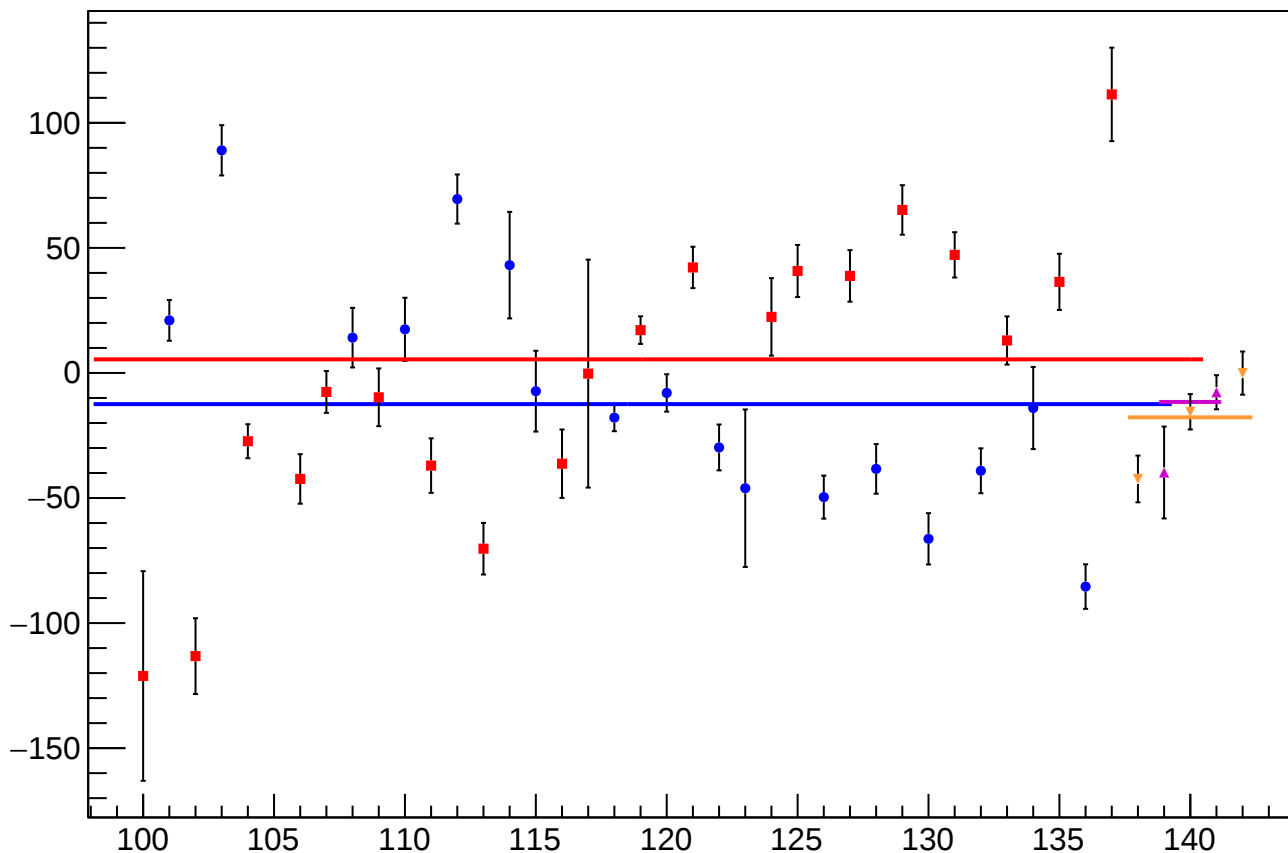
Left In: 514.707 ± 6.999 $\chi^2/\text{NDF}: 21.7/1$

-403.829 ± 2.143 $\chi^2/\text{NDF}: 77.4/19$

23.583 ± 1.476 $\chi^2/\text{NDF}: 75968.4/41$

408.896 ± 2.035 $\chi^2/\text{NDF}: 271.4/21$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

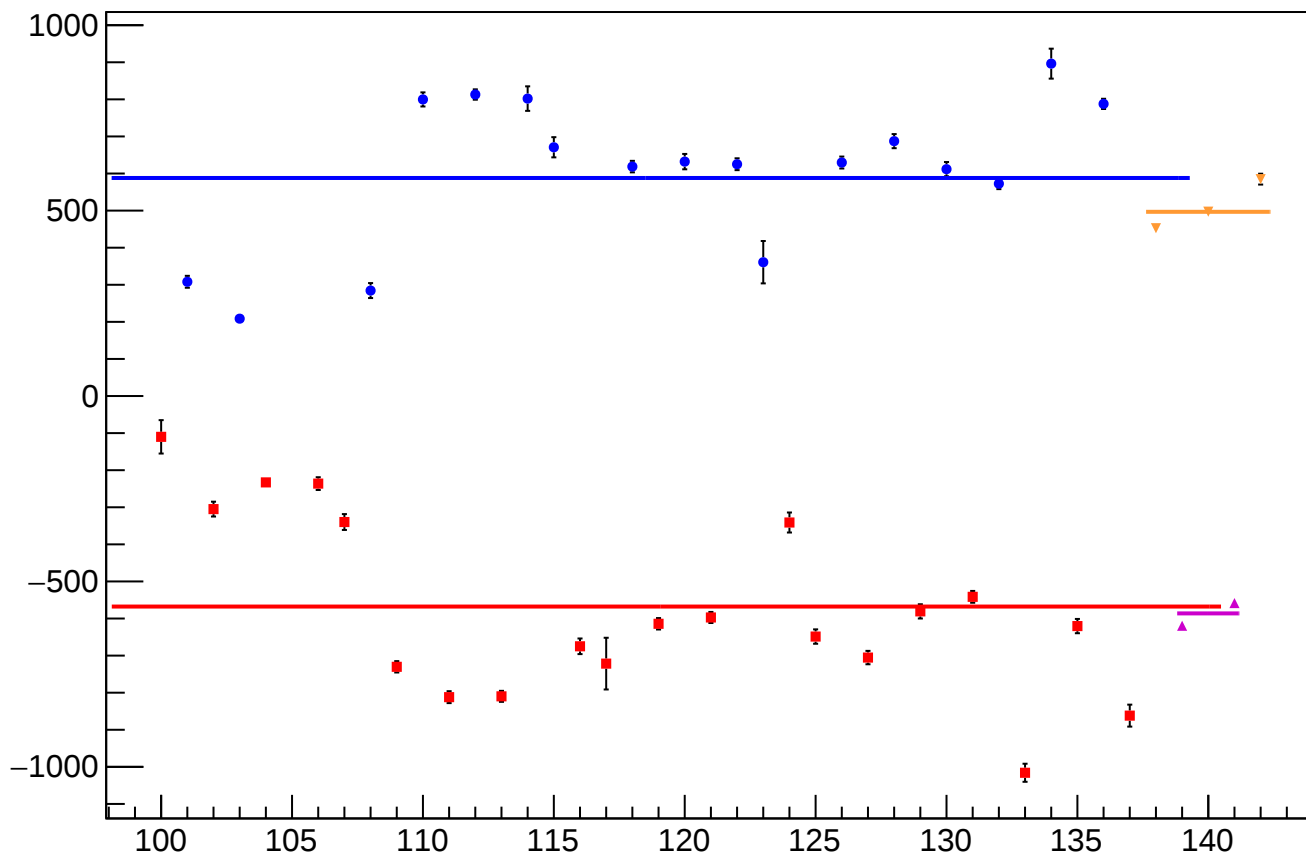
Left In: -11.595 ± 6.387 χ^2/NDF : 2.7/1

-13.510 ± 2.103 χ^2/NDF : 353.3/19

-5.078 ± 1.495 χ^2/NDF : 739.9/41

3.550 ± 2.127 χ^2/NDF : 354.0/21

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

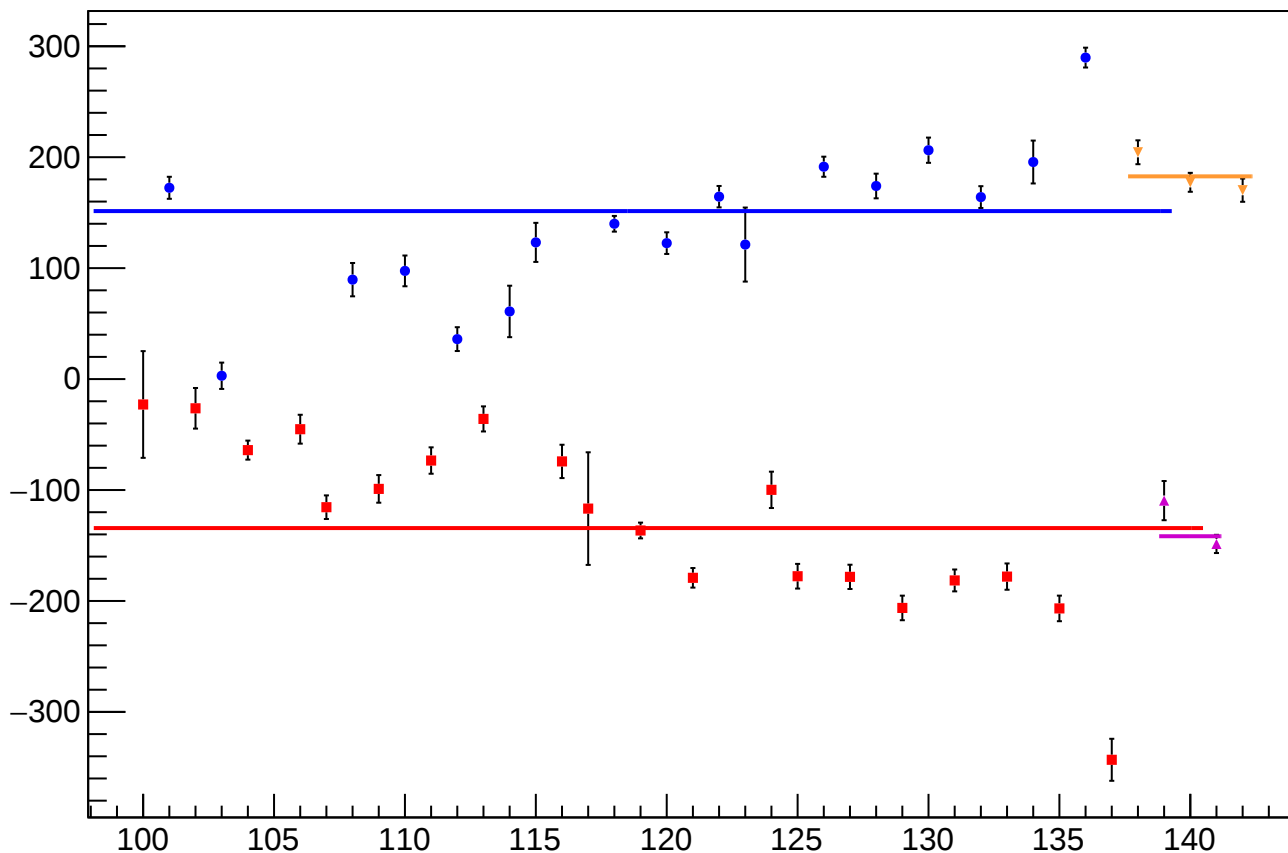
Left In: -586.188 ± 7.507 χ^2/NDF : 16.5/1

557.973 ± 3.565 χ^2/NDF : 2328.8/19

1.221 ± 2.539 χ^2/NDF : 54630.5/41

-572.010 ± 3.618 χ^2/NDF : 2809.2/21

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2/NDF : 633.3/16

Left Out: 182.722 $\pm$ 5.636 χ^2/NDF : 5.9/2

Right Out: -134.299 $\pm$ 2.612 χ^2/NDF : 585.0/19

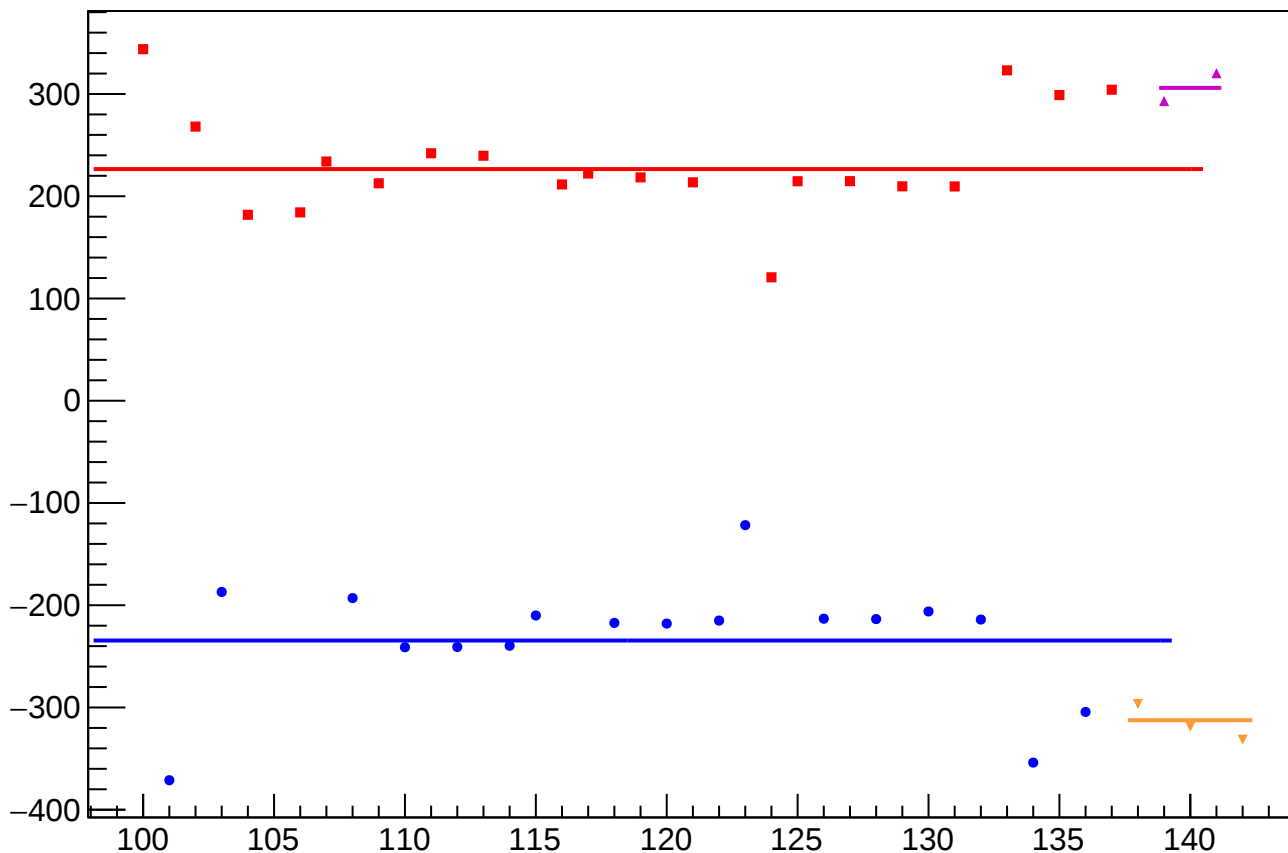
Left In: -141.653 $\pm$ 7.444 χ^2/NDF : 4.0/1

157.296 $\pm$ 2.442 χ^2/NDF : 664.2/19

12.467 $\pm$ 1.735 χ^2/NDF : 8357.4/41

-135.105 $\pm$ 2.465 χ^2/NDF : 589.9/21

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -312.447+/-0.258 χ^2/NDF : 2789.0/2

Right Out: 226.572+/-0.141 χ^2/NDF : 98970.7/19

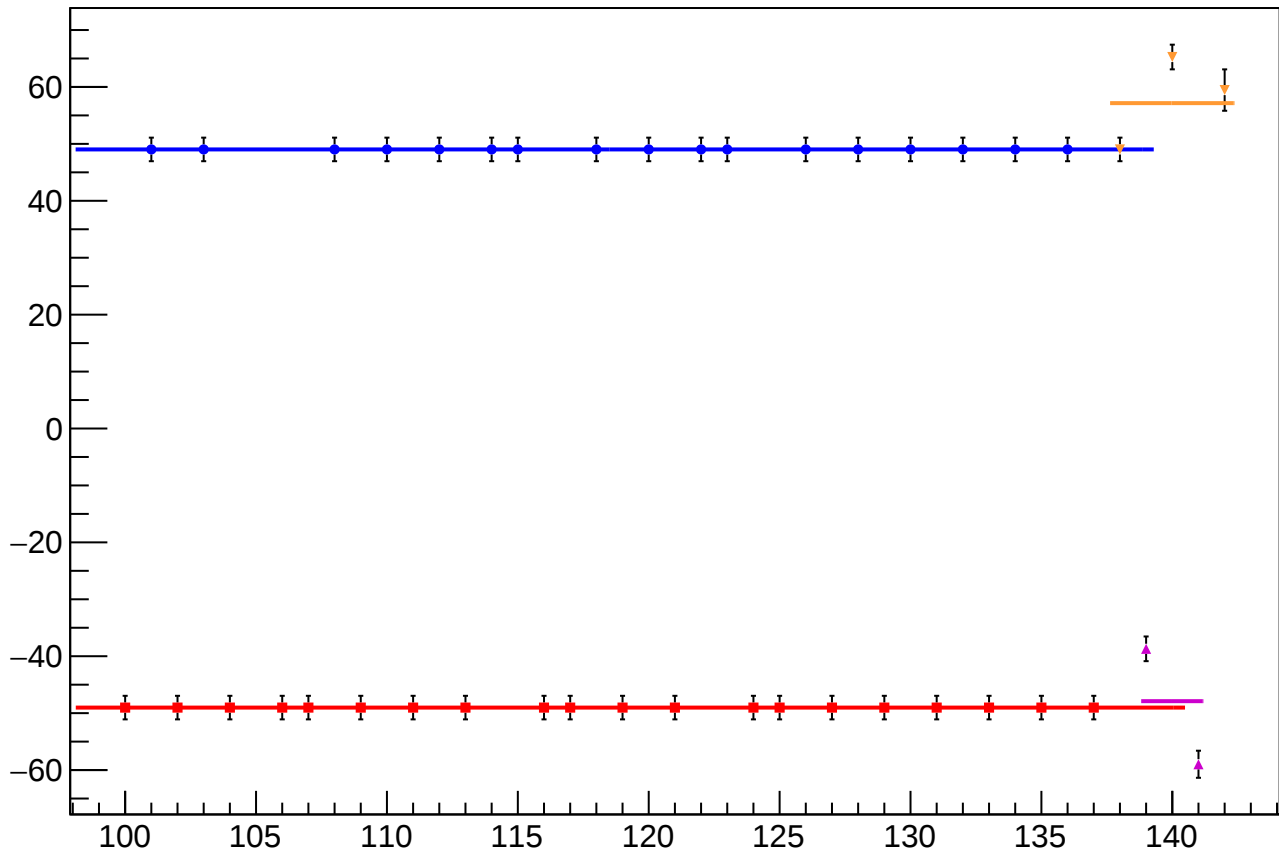
Left In: 305.978+/-0.284 χ^2/NDF : 2292.9/1

-253.966+/-0.129 χ^2/NDF : 216149.6/19

-0.661+/-0.090 χ^2/NDF : 7925093.1/41

242.367+/-0.126 χ^2/NDF : 164106.7/21

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

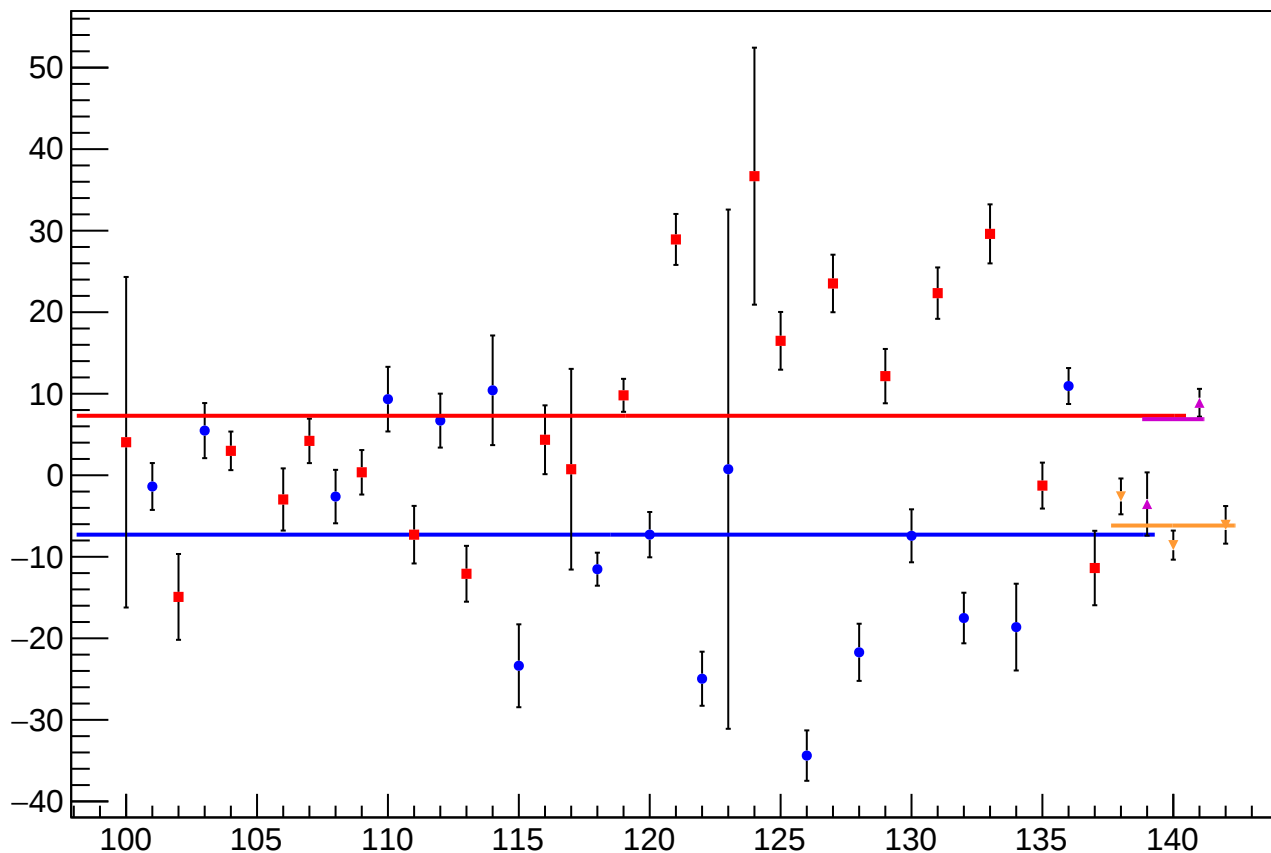
Left In: -47.896 $\pm$ 1.602 χ^2/NDF : 39.7/1

49.970 $\pm$ 0.472 χ^2/NDF : 60.3/19

-2.425 $\pm$ 0.324 χ^2/NDF : 23362.8/41

-48.938 $\pm$ 0.445 χ^2/NDF : 40.1/21

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -6.166 ± 1.187 χ^2/NDF : 4.5/2

Right Out: 7.298 ± 0.759 χ^2/NDF : 255.6/19

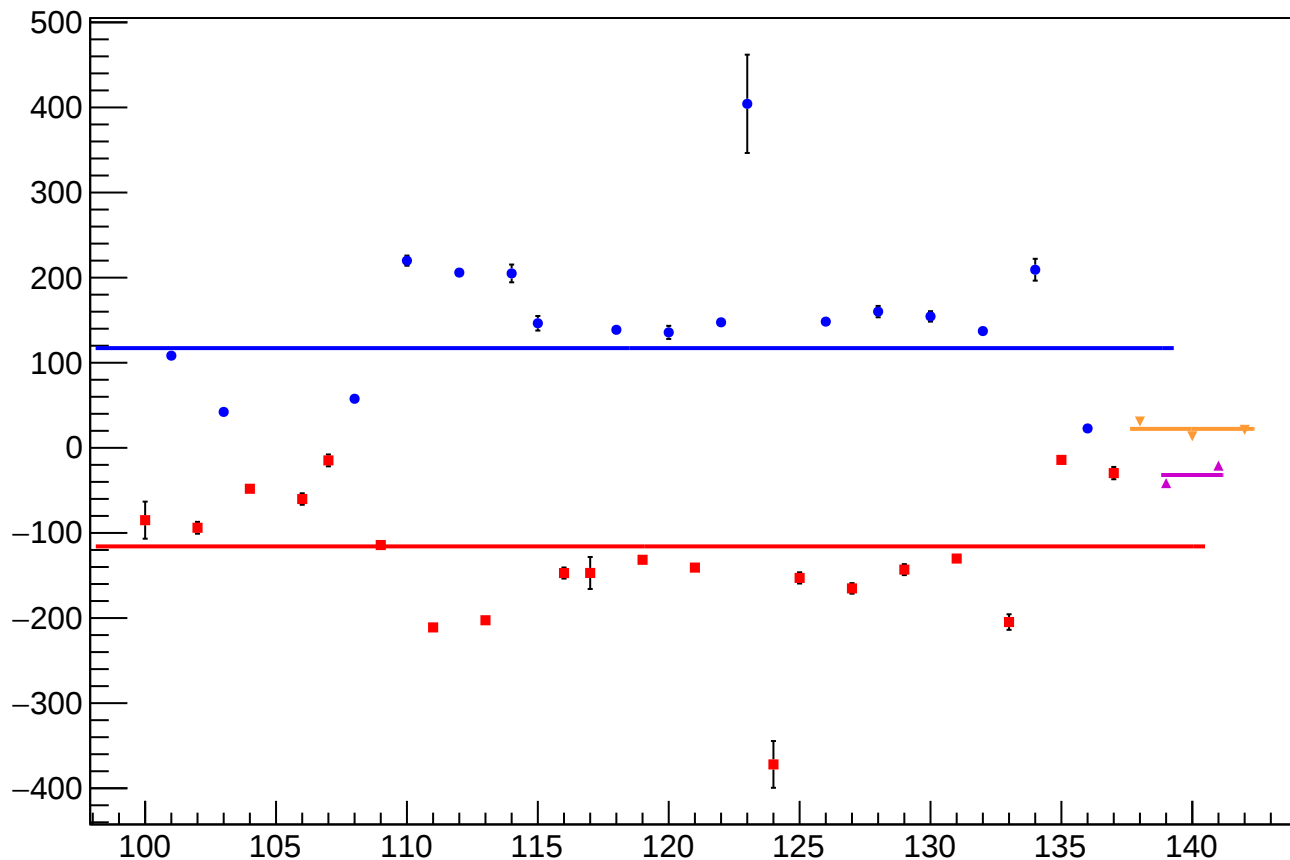
Left In: 6.880 ± 1.561 χ^2/NDF : 8.6/1

-6.942 ± 0.657 χ^2/NDF : 288.3/19

-0.136 ± 0.473 χ^2/NDF : 775.9/41

7.218 ± 0.683 χ^2/NDF : 264.2/21

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 ± 1.416 $\chi^2/\text{NDF}: 2161.0/16$

Left Out: 22.284 ± 1.487 $\chi^2/\text{NDF}: 29.0/2$

Right Out: -115.795 ± 1.357 $\chi^2/\text{NDF}: 2140.4/19$

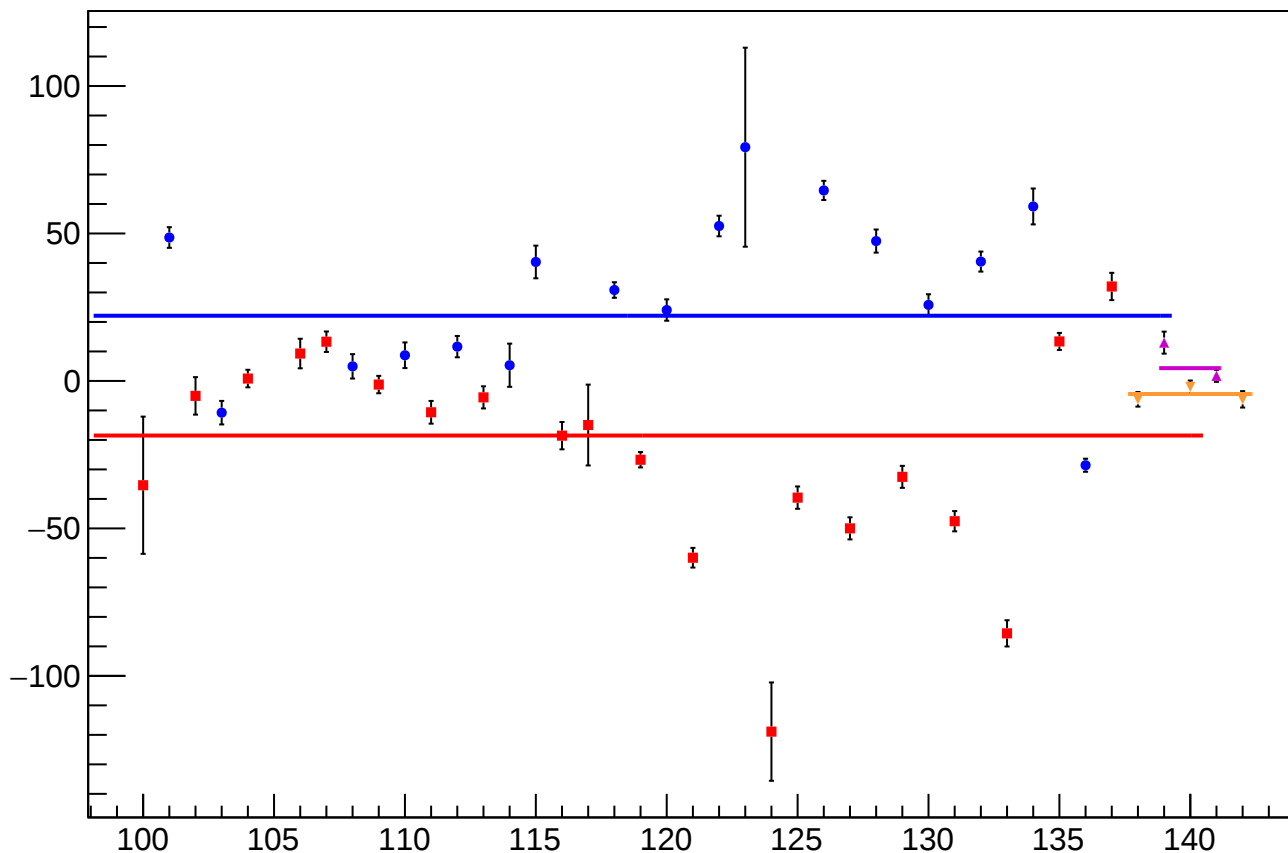
Left In: -31.911 ± 1.722 $\chi^2/\text{NDF}: 35.3/1$

72.057 ± 1.026 $\chi^2/\text{NDF}: 4325.0/19$

-2.794 ± 0.739 $\chi^2/\text{NDF}: 19041.5/41$

-83.643 ± 1.066 $\chi^2/\text{NDF}: 3639.3/21$

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110+/-0.898 χ^2/NDF : 1070.3/16

Left Out: -4.424+/-1.402 χ^2/NDF : 2.2/2

Right Out: -18.506+/-0.869 χ^2/NDF : 1068.6/19

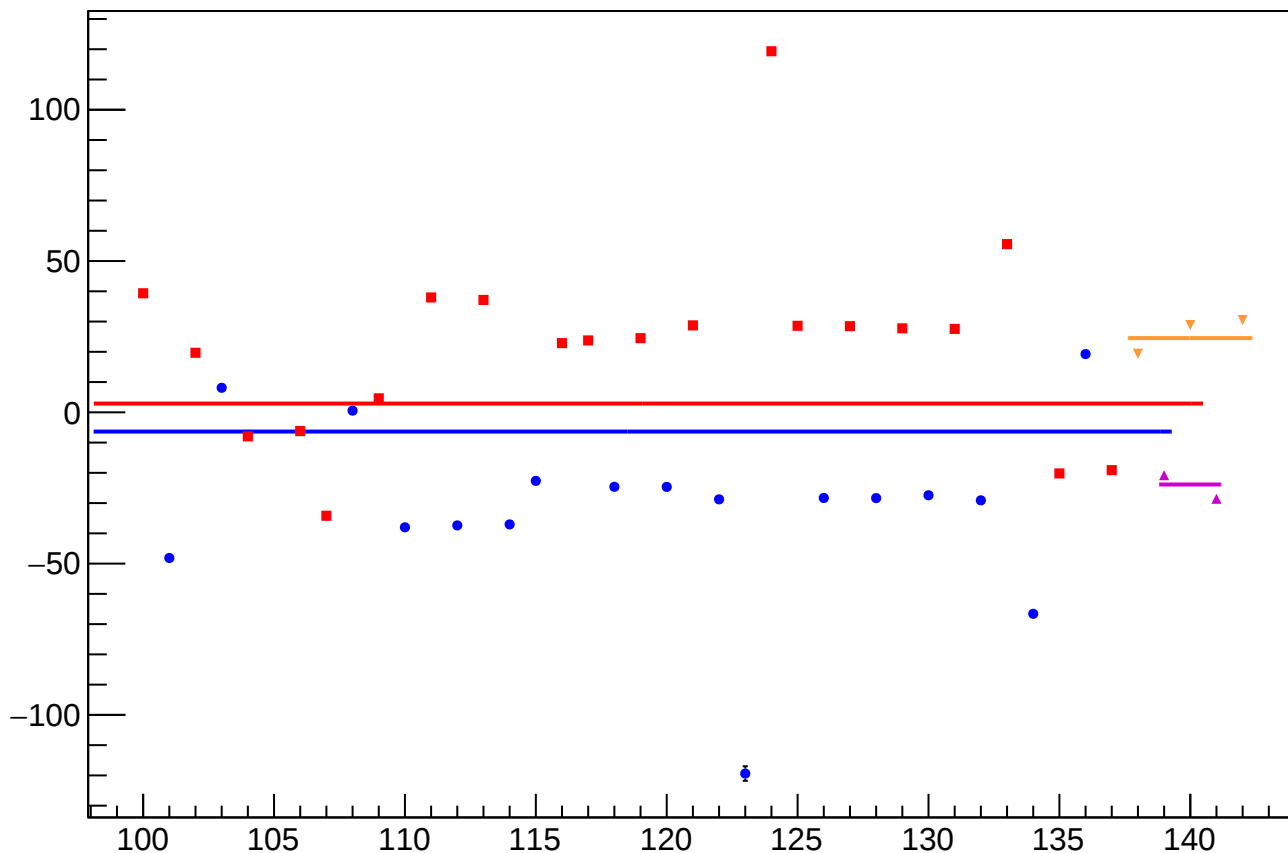
Left In: 4.339+/-1.793 χ^2/NDF : 7.0/1

14.385+/-0.756 χ^2/NDF : 1326.6/19

0.598+/-0.544 χ^2/NDF : 3221.9/41

-14.159+/-0.782 χ^2/NDF : 1207.0/21

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 266162.6/19$

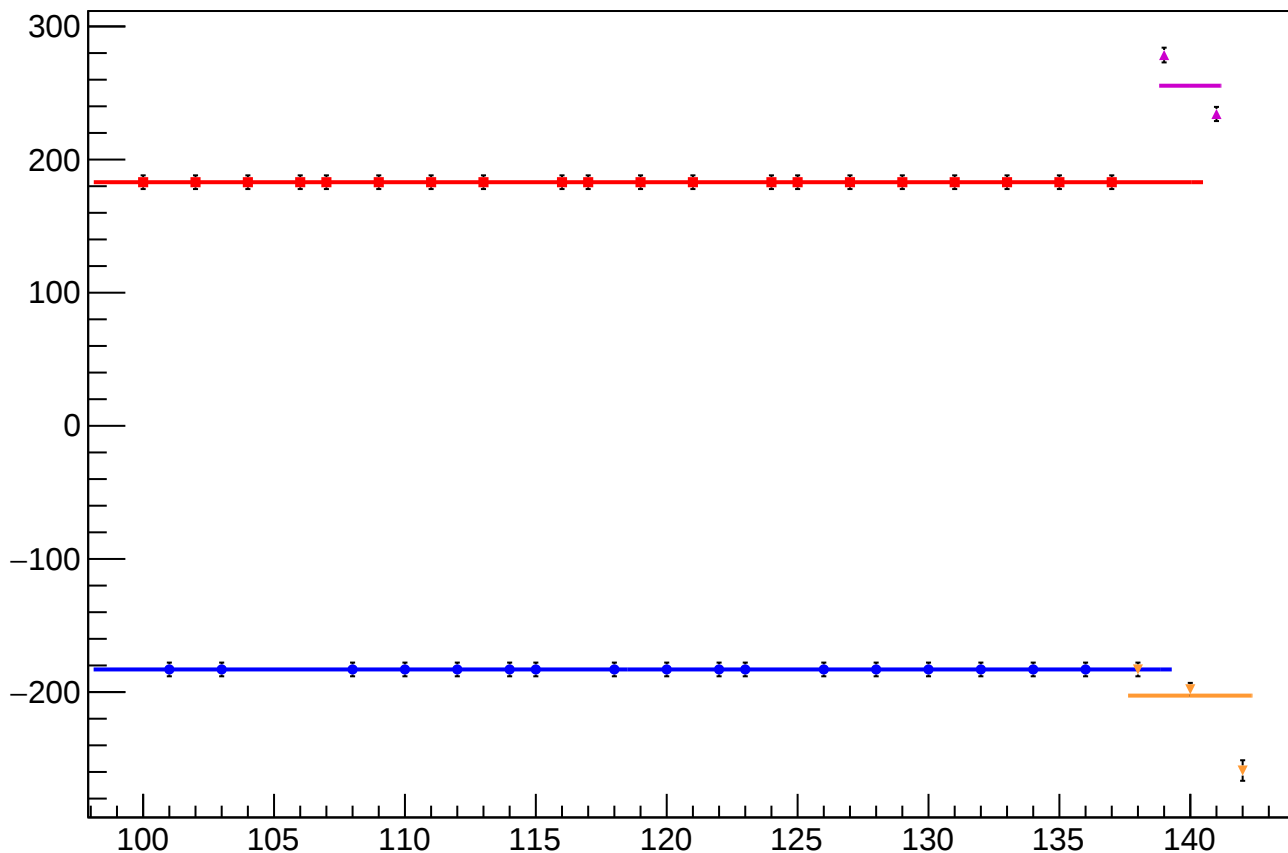
Left In: -23.849 ± 0.064 $\chi^2/\text{NDF}: 3534.3/1$

5.008 ± 0.037 $\chi^2/\text{NDF}: 435290.2/19$

-0.505 ± 0.026 $\chi^2/\text{NDF}: 865967.2/41$

-6.129 ± 0.037 $\chi^2/\text{NDF}: 385373.0/21$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

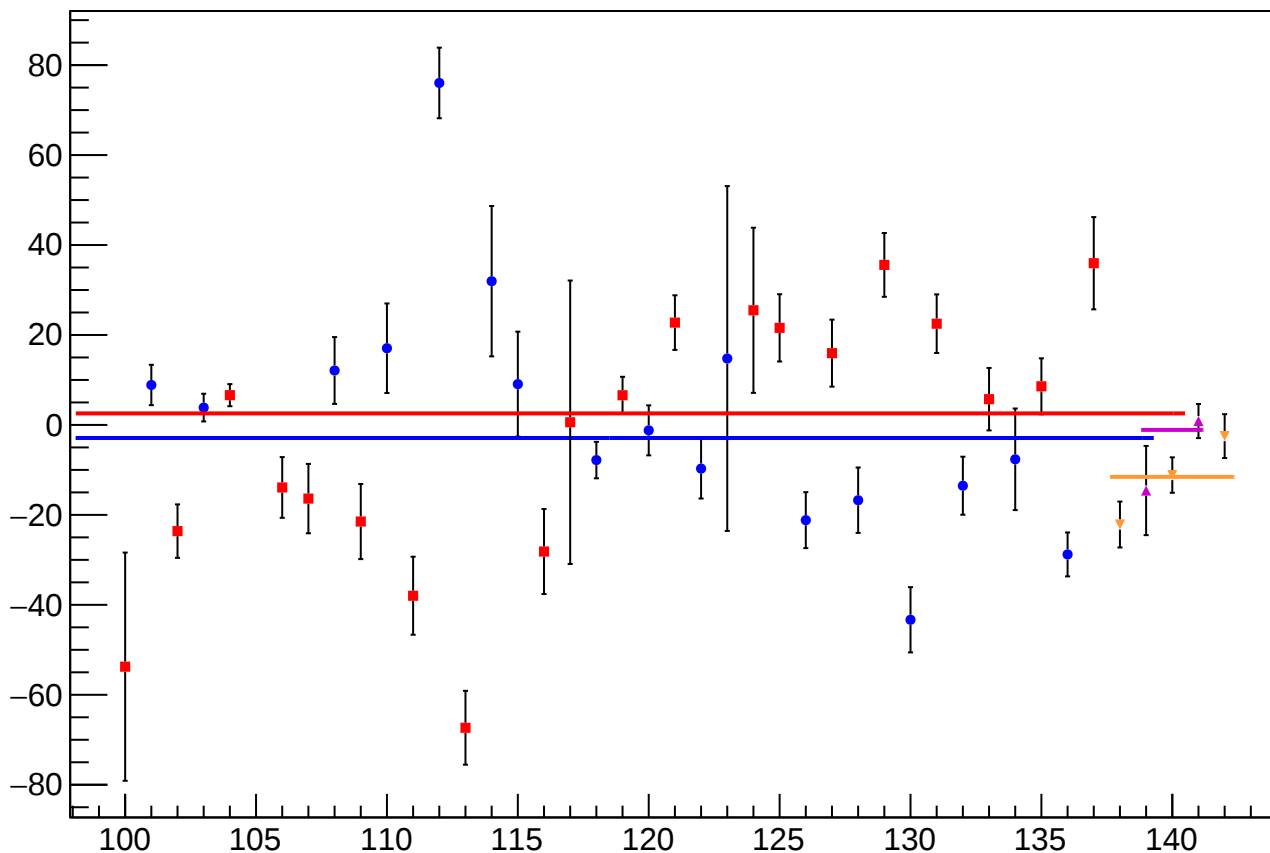
Left In: 255.476 $\pm$ 3.840 χ^2 /NDF: 33.2/1

-185.598 $\pm$ 1.164 χ^2 /NDF: 101.4/19

11.693 $\pm$ 0.801 χ^2 /NDF: 54985.4/41

188.987 $\pm$ 1.104 χ^2 /NDF: 360.0/21

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

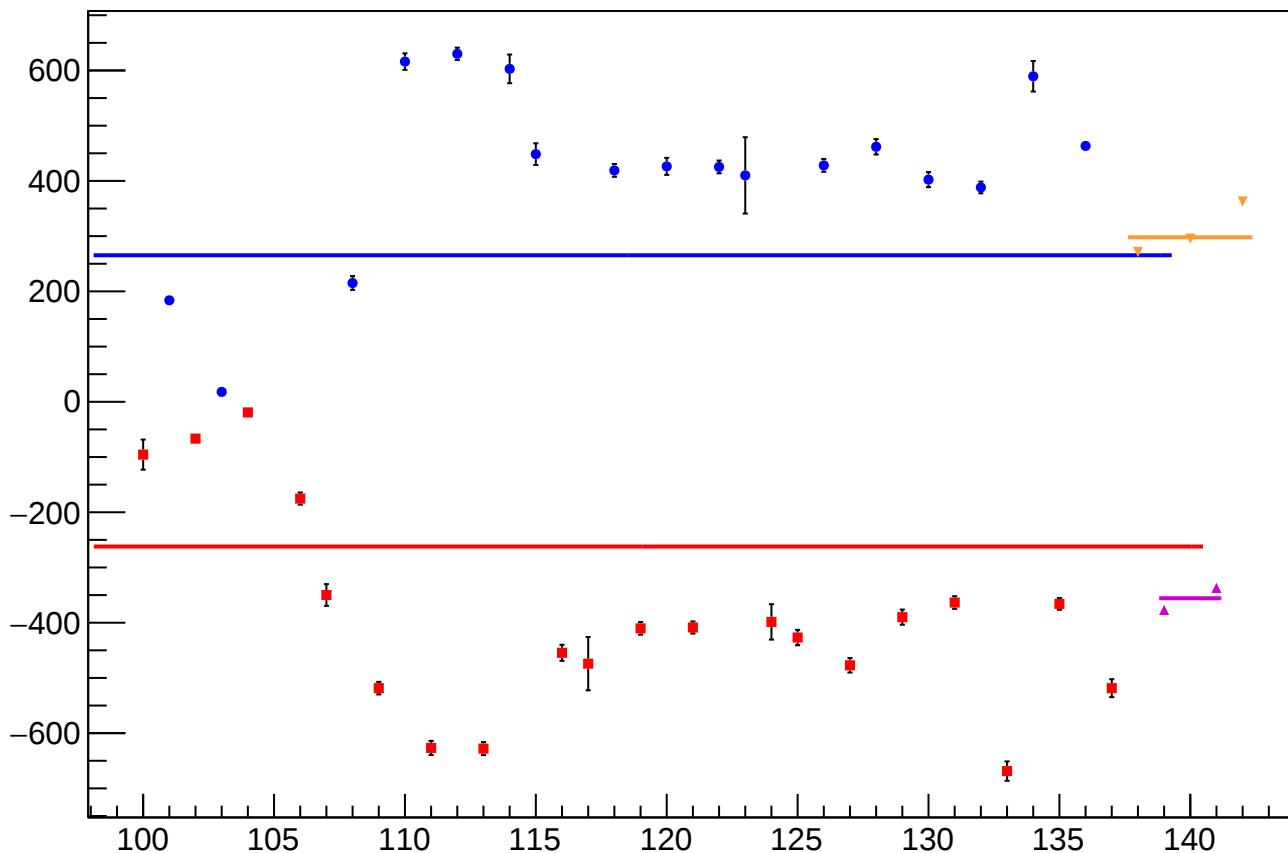
Left In: -1.105 ± 3.542 χ^2/NDF : 2.1/1

-4.956 ± 1.281 χ^2/NDF : 219.6/19

-1.488 ± 0.912 χ^2/NDF : 455.7/41

2.073 ± 1.298 χ^2/NDF : 221.3/21

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 2.488 χ^2/NDF : 7633.8/16

Left Out: 297.997 $\pm$ 3.435 χ^2/NDF : 84.4/2

Right Out: -262.016 $\pm$ 2.455 χ^2/NDF : 8223.7/19

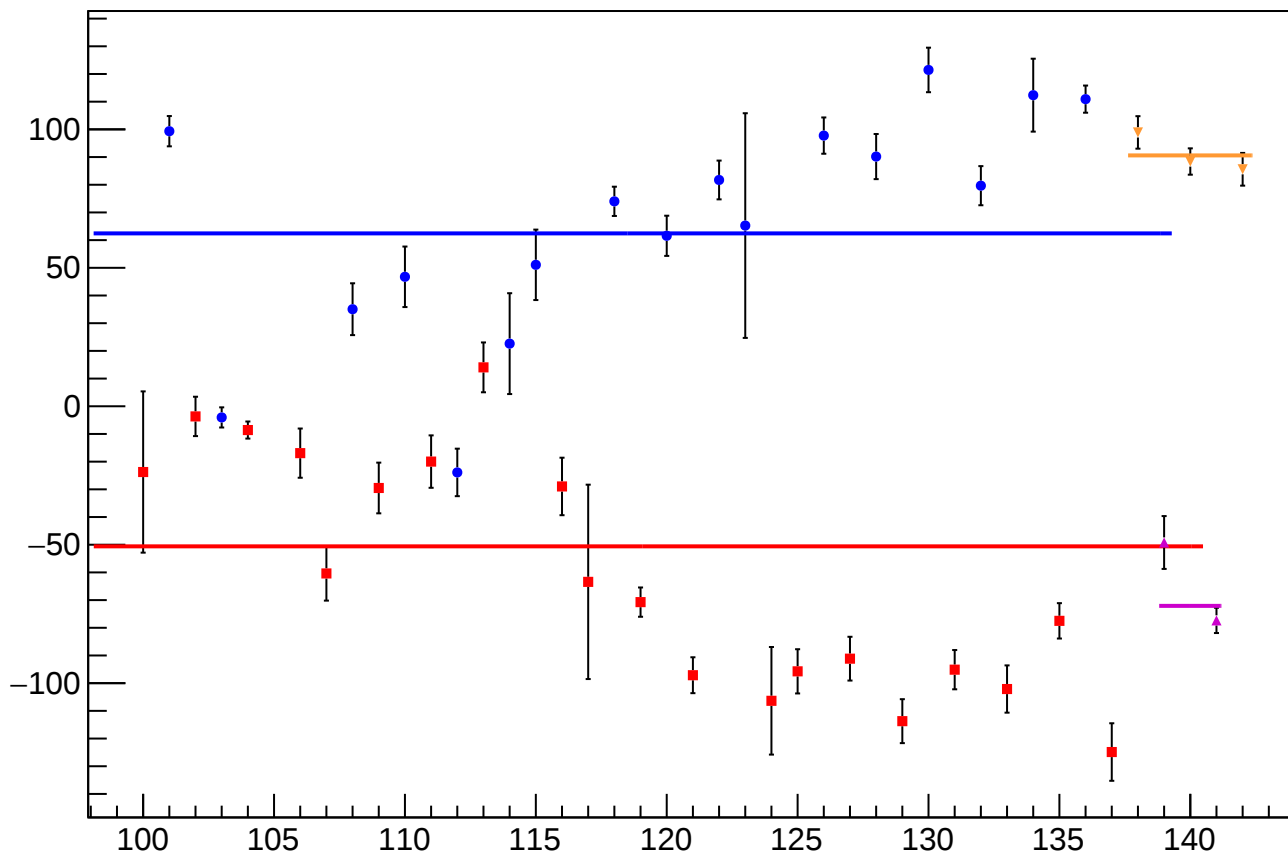
Left In: -355.716 $\pm$ 4.119 χ^2/NDF : 23.2/1

276.597 $\pm$ 2.015 χ^2/NDF : 7777.4/19

7.810 $\pm$ 1.457 χ^2/NDF : 53689.0/41

-286.569 $\pm$ 2.109 χ^2/NDF : 8628.8/21

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 90.596+/-3.133 χ^2/NDF : 2.9/2

Right Out: -50.588+/-1.640 χ^2/NDF : 657.5/19

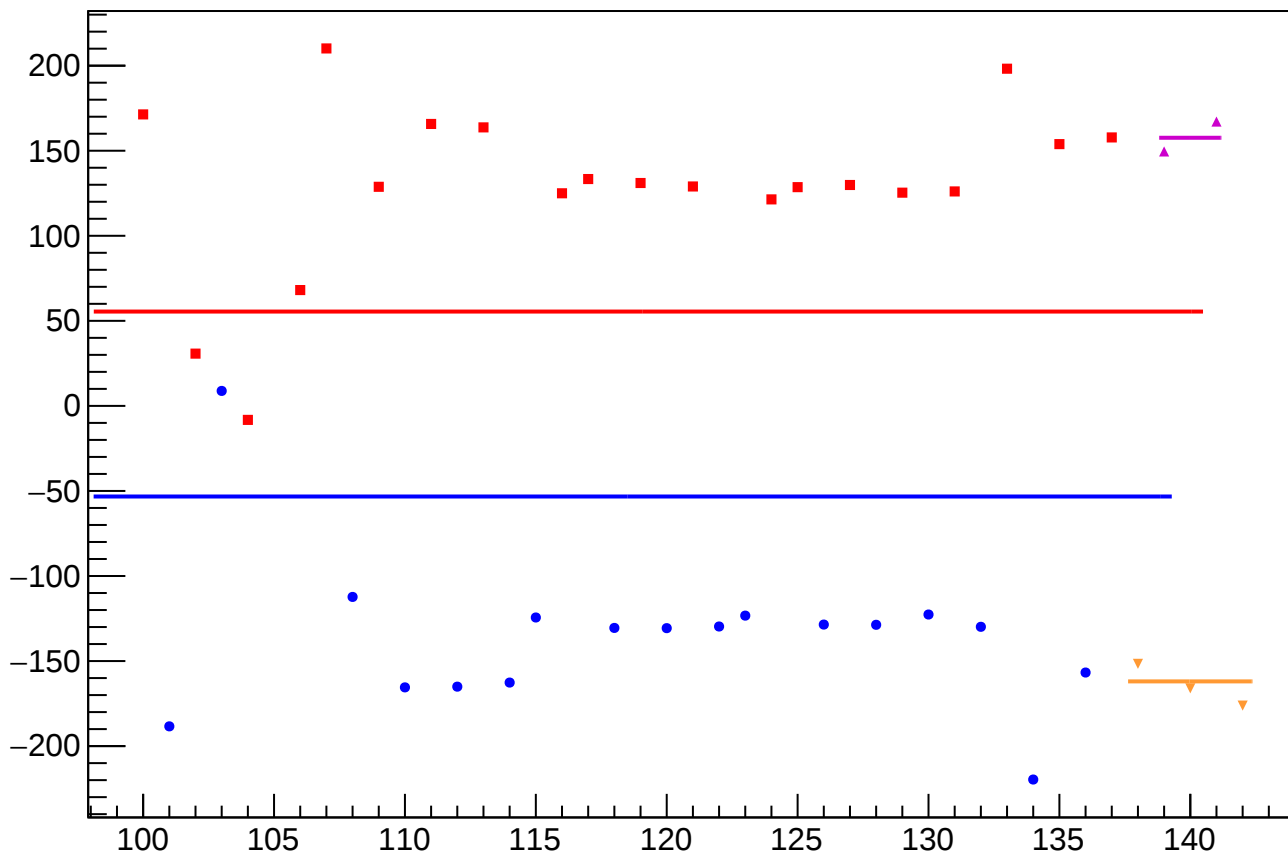
Left In: -72.084+/-4.120 χ^2/NDF : 7.1/1

68.803+/-1.490 χ^2/NDF : 787.2/19

9.011+/-1.065 χ^2/NDF : 4770.2/41

-53.530+/-1.524 χ^2/NDF : 688.1/21

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -161.955 ± 0.142 $\chi^2/\text{NDF}: 4332.6/2$

Right Out: 55.455 ± 0.072 $\chi^2/\text{NDF}: 968274.5/19$

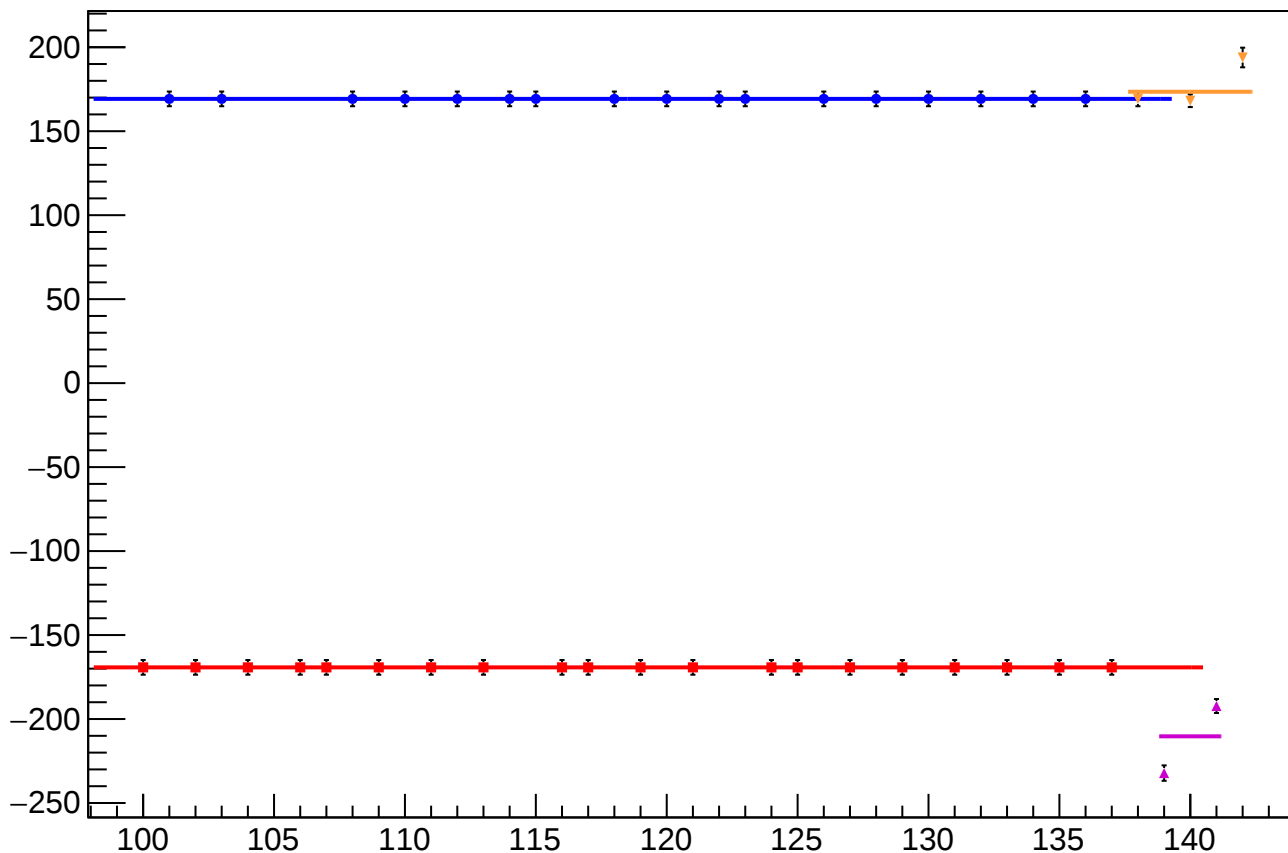
Left In: 157.621 ± 0.155 $\chi^2/\text{NDF}: 3178.3/1$

-74.618 ± 0.063 $\chi^2/\text{NDF}: 1697990.1/19$

-3.020 ± 0.045 $\chi^2/\text{NDF}: 5688136.1/41$

73.504 ± 0.065 $\chi^2/\text{NDF}: 1328012.4/21$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

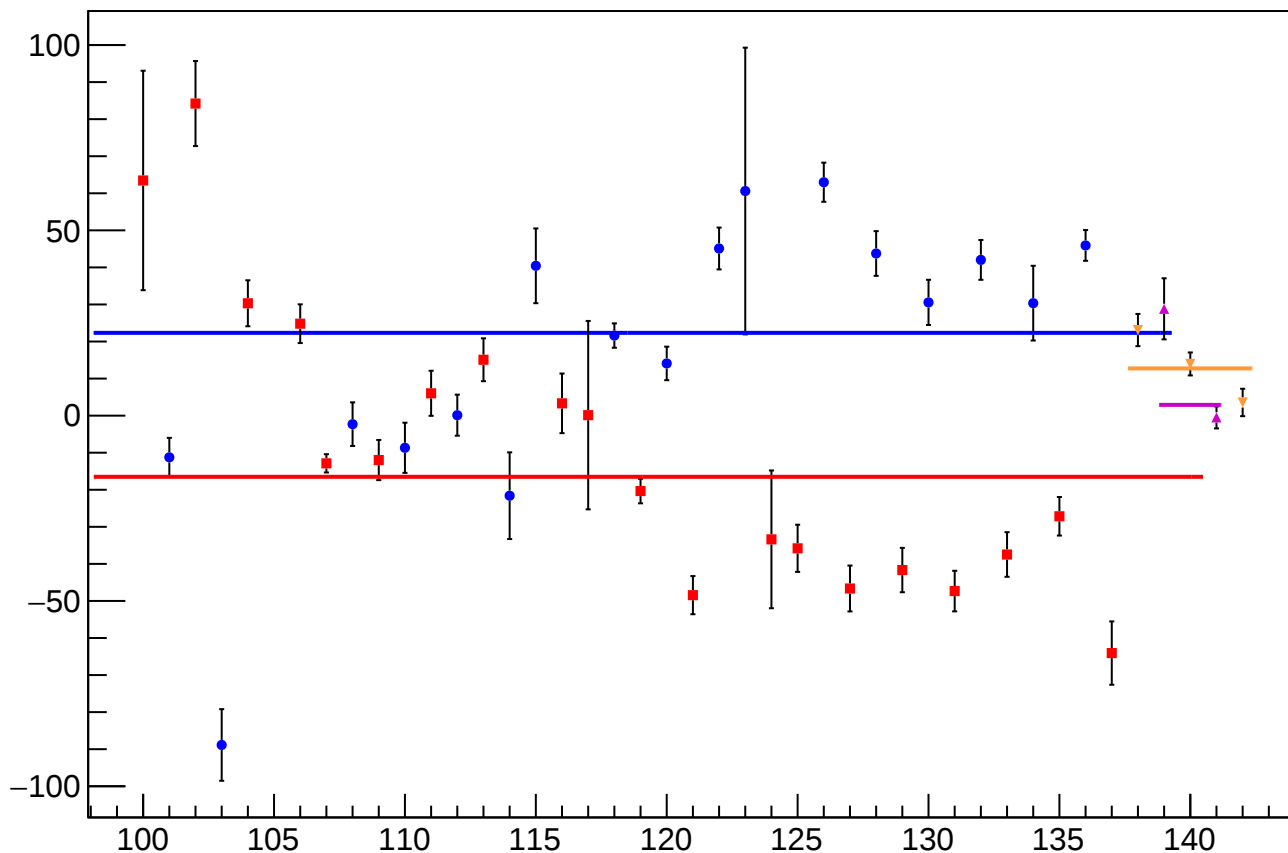
Left In: -210.304 $\pm$ 3.088 χ^2 /NDF:41.4/1

169.861 $\pm$ 0.981 χ^2 /NDF: 17.4/19

-10.196 $\pm$ 0.676 χ^2 /NDF: 64364.0/41

-172.989 $\pm$ 0.933 χ^2 /NDF: 202.1/21

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 ± 1.395 $\chi^2/\text{NDF}: 385.8/16$

Left Out: 12.746 ± 2.084 $\chi^2/\text{NDF}: 12.0/2$

Right Out: -16.498 ± 1.226 $\chi^2/\text{NDF}: 427.0/19$

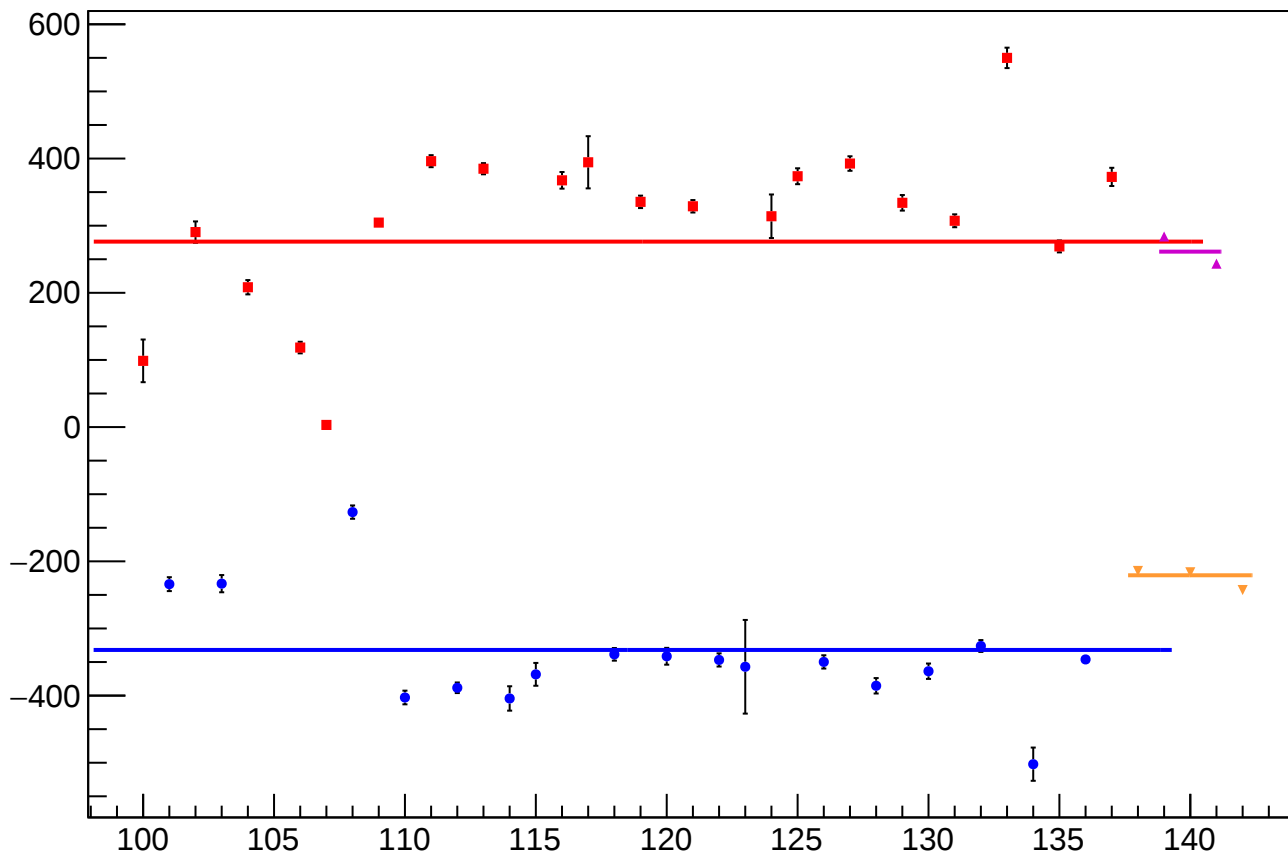
Left In: 2.905 ± 2.798 $\chi^2/\text{NDF}: 11.2/1$

19.373 ± 1.159 $\chi^2/\text{NDF}: 412.5/19$

2.475 ± 0.807 $\chi^2/\text{NDF}: 1302.6/41$

-13.373 ± 1.123 $\chi^2/\text{NDF}: 478.5/21$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

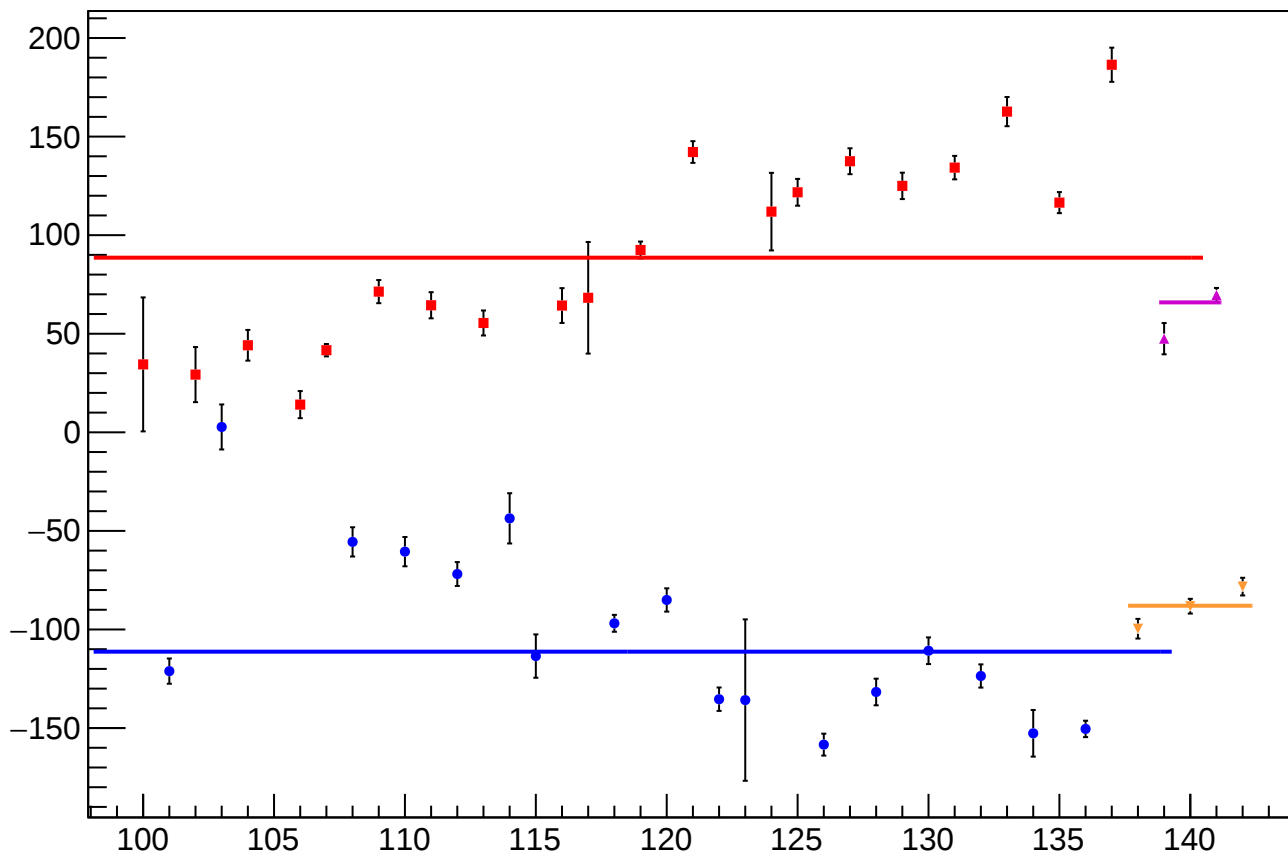
Left In: 261.336 ± 3.311 χ^2/NDF : 36.8/1

-280.056 ± 1.884 χ^2/NDF : 1668.0/19

-6.728 ± 1.338 χ^2/NDF : 47557.5/41

271.347 ± 1.900 χ^2/NDF : 3421.9/21

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

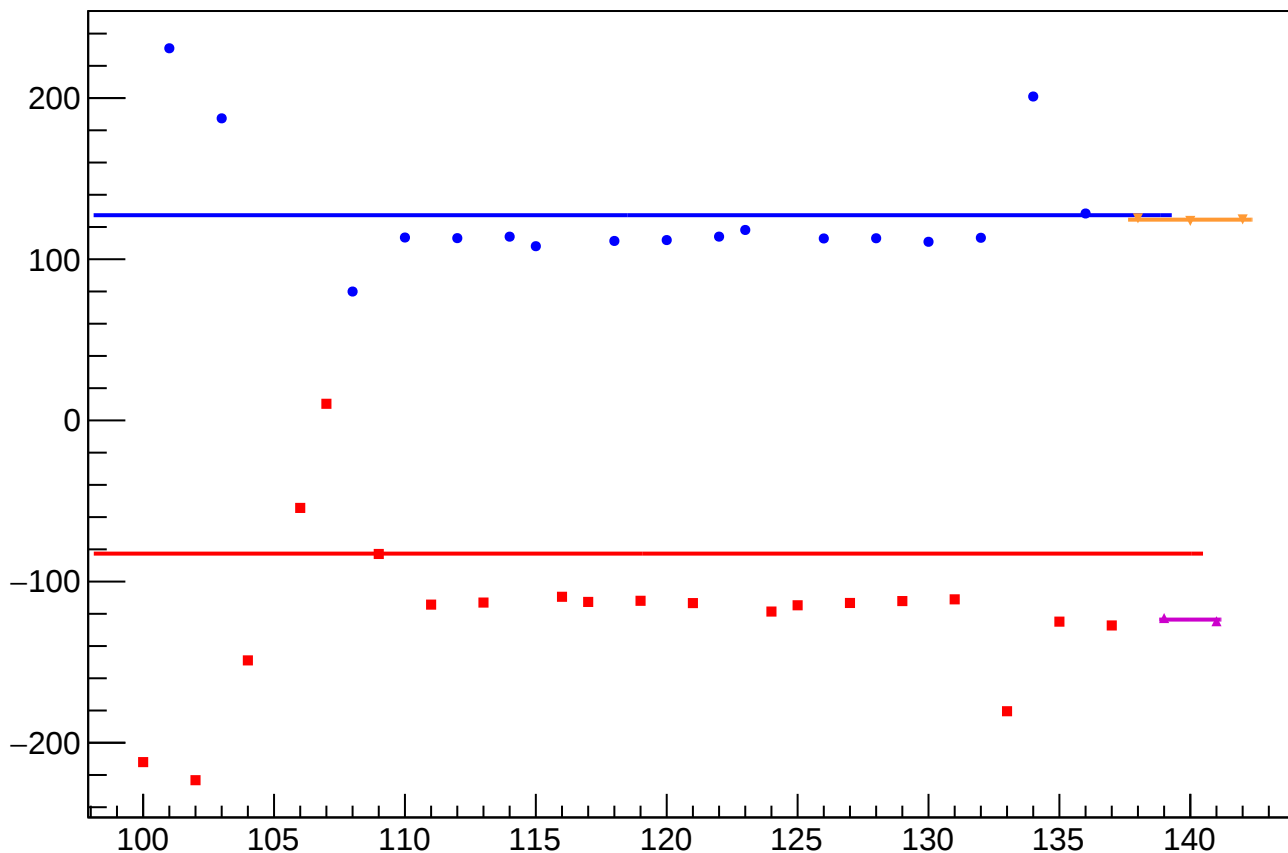
Left In: 65.901+/-3.263 χ^2/NDF : 6.5/1

-104.459+/-1.344 χ^2/NDF : 581.8/19

-7.385+/-0.938 χ^2/NDF : 11776.1/41

84.922+/-1.311 χ^2/NDF : 1018.5/21

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323 $\pm$ 0.089 χ^2/NDF : 187776.4/16

Left Out: 124.561 $\pm$ 0.114 χ^2/NDF : 39.3/2

Right Out: -82.649 $\pm$ 0.075 χ^2/NDF : 765307.1/19

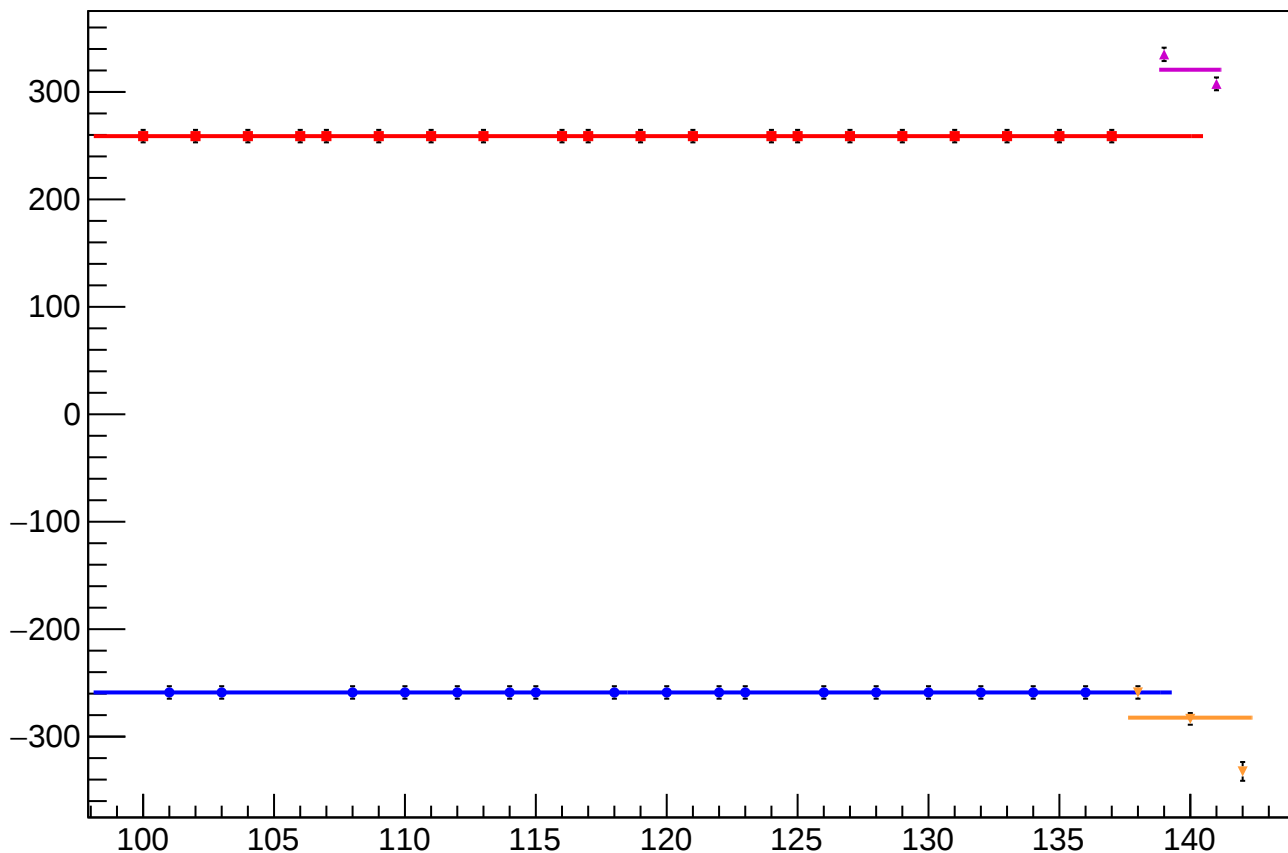
Left In: -123.583 $\pm$ 0.125 χ^2/NDF : 62.2/1

126.275 $\pm$ 0.070 χ^2/NDF : 188177.3/19

6.810 $\pm$ 0.048 χ^2/NDF : 6318882.3/41

-93.490 $\pm$ 0.065 χ^2/NDF : 843620.9/21

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -258.891+/-1.411 χ^2 /NDF: 0.0/16

Left Out: -282.351+/-3.617 χ^2 /NDF:49.0/2

Right Out: 258.891+/-1.301 χ^2 /NDF: 0.0/19

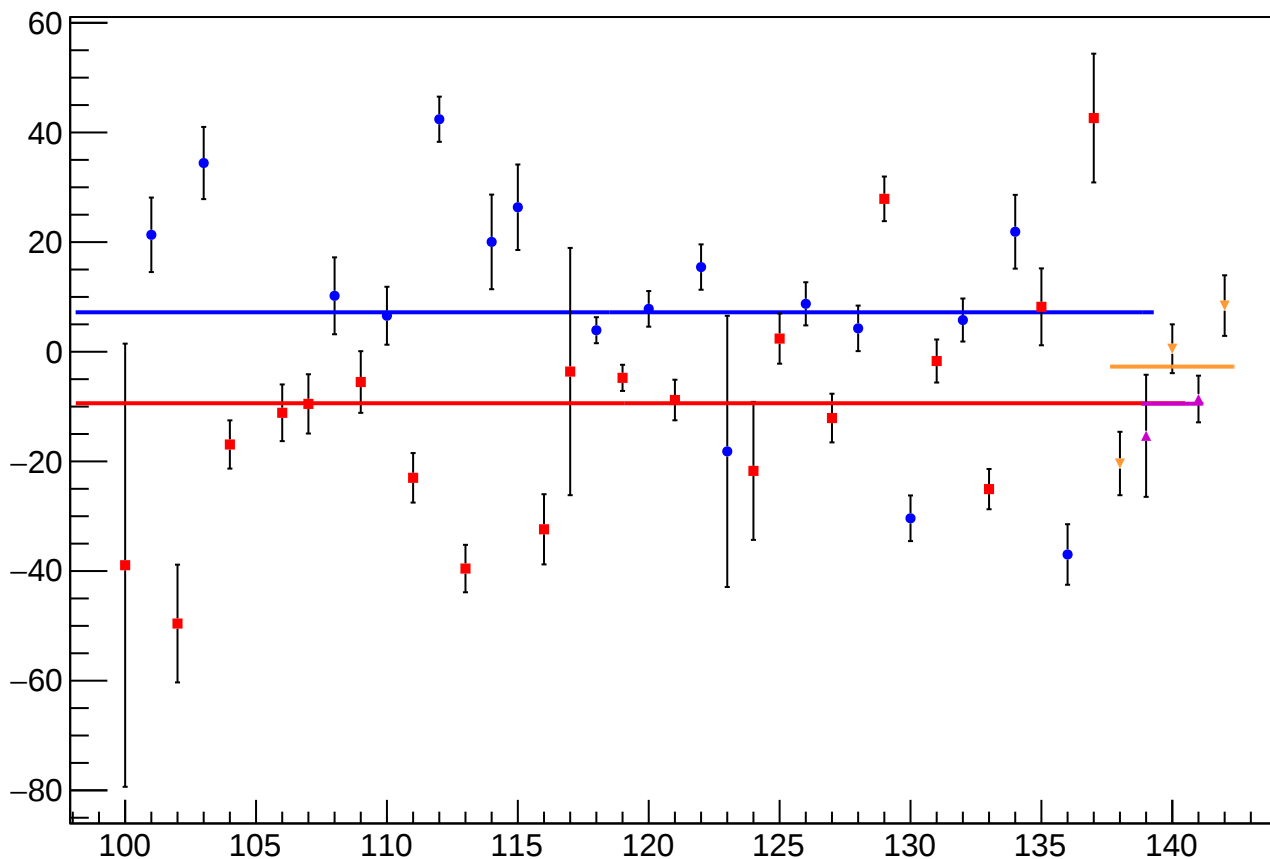
Left In: 320.690+/-4.313 χ^2 /NDF:10.1/1

-261.991+/-1.315 χ^2 /NDF: 85.5/19

15.206+/-0.904 χ^2 /NDF: 84630.2/41

264.048+/-1.246 χ^2 /NDF: 198.3/21

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 $\pm$ 1.103 χ^2 /NDF: 260.9/16

Left Out: -2.708 $\pm$ 2.974 χ^2 /NDF:13.9/2

Right Out: -9.390 $\pm$ 1.070 χ^2 /NDF: 232.2/19

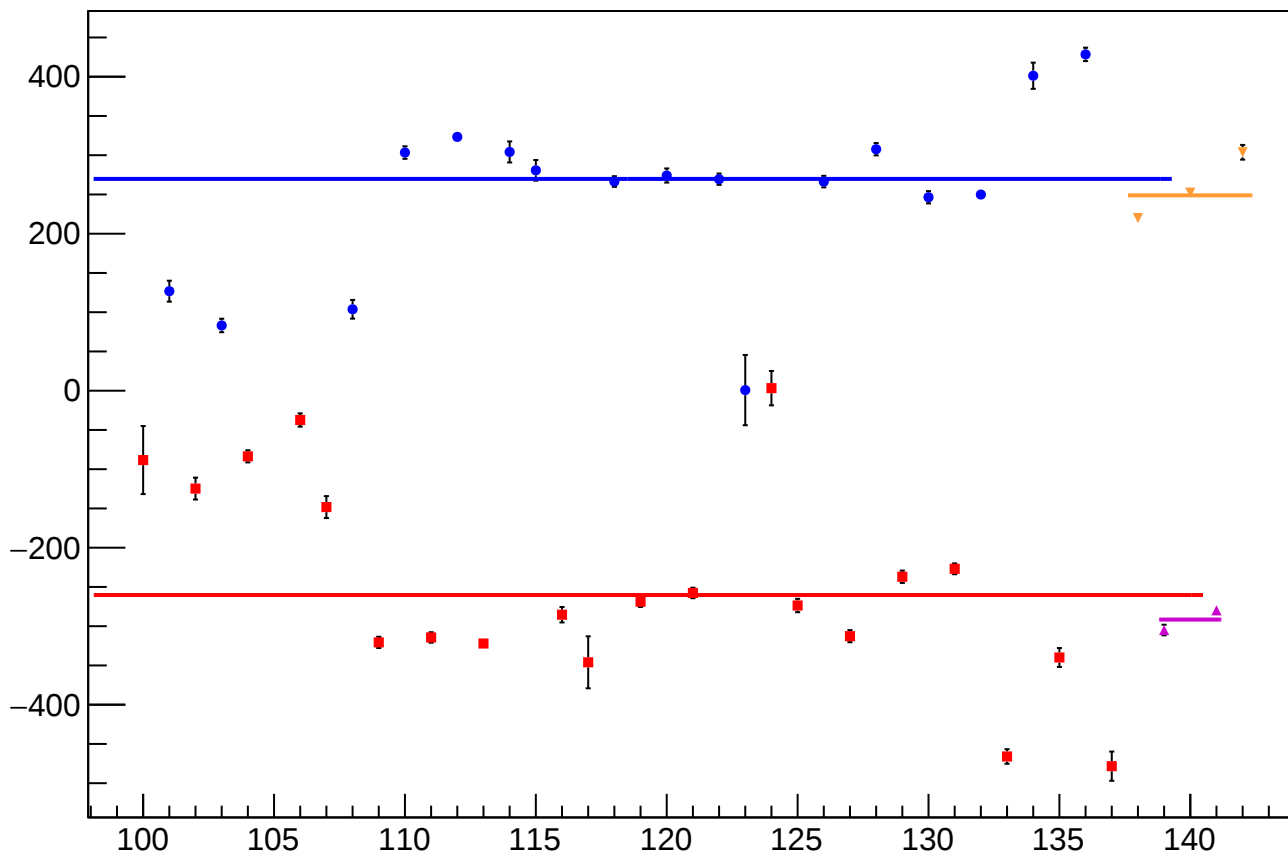
Left In: -9.474 $\pm$ 3.976 χ^2 /NDF:0.3/1

6.001 $\pm$ 1.034 χ^2 /NDF: 284.6/19

-1.705 $\pm$ 0.731 χ^2 /NDF: 628.1/41

-9.395 $\pm$ 1.033 χ^2 /NDF: 232.5/21

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

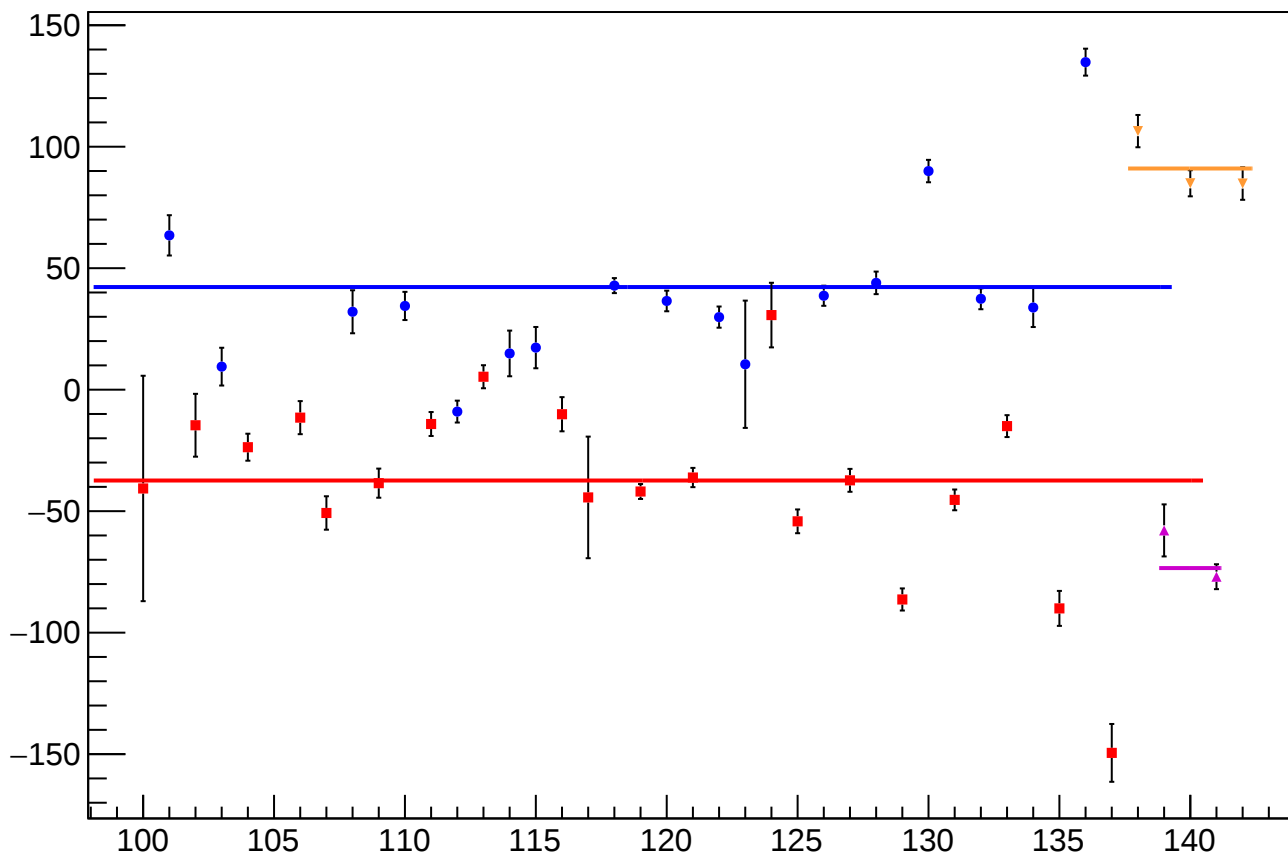
Left In: -291.565 ± 4.627 χ^2/NDF : 7.3/1

265.106 ± 1.840 χ^2/NDF : 1452.4/19

-3.521 ± 1.292 χ^2/NDF : 46134.2/41

-265.099 ± 1.815 χ^2/NDF : 2591.3/21

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 91.029 ± 3.545 $\chi^2/\text{NDF}: 7.5/2$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

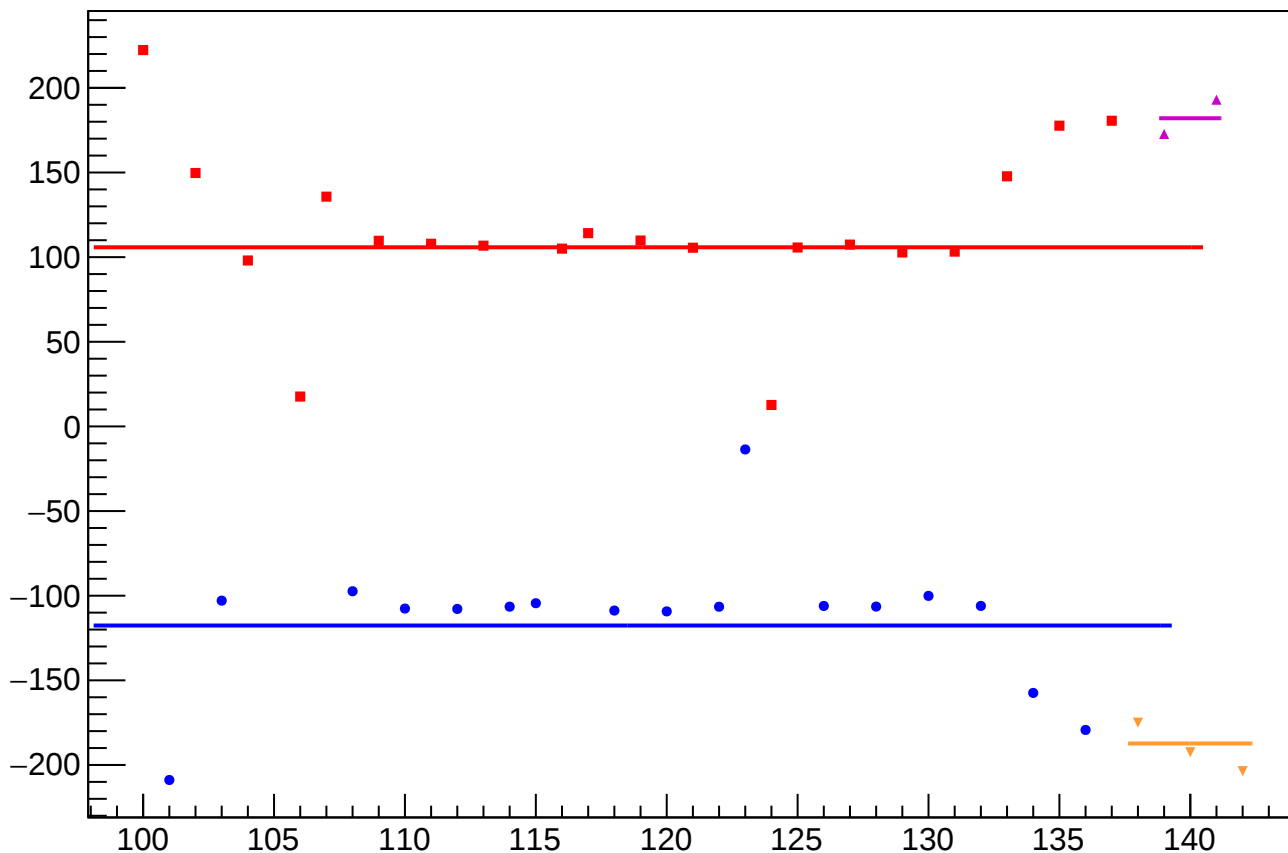
Left In: -73.421 ± 4.623 $\chi^2/\text{NDF}: 2.6/1$

47.820 ± 1.199 $\chi^2/\text{NDF}: 749.7/19$

3.757 ± 0.845 $\chi^2/\text{NDF}: 3968.1/41$

-39.777 ± 1.191 $\chi^2/\text{NDF}: 531.7/21$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -187.298+/-0.161 χ^2/NDF : 4725.0/2

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

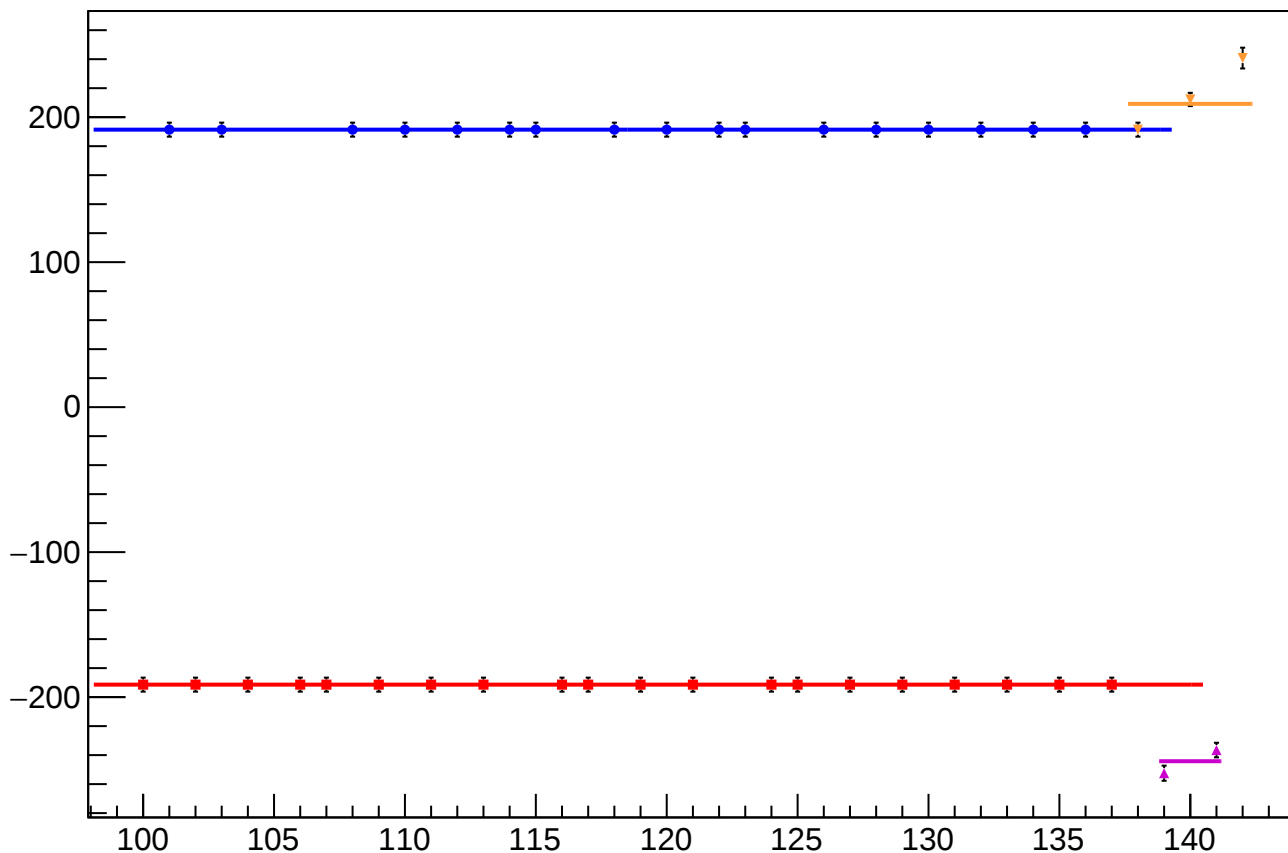
Left In: 182.052+/-0.174 χ^2/NDF : 3350.0/1

-131.023+/-0.071 χ^2/NDF : 297982.9/19

-0.706+/-0.049 χ^2/NDF : 7280753.2/41

117.144+/-0.067 χ^2/NDF : 489586.1/21

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 191.392 ± 1.175 χ^2/NDF : 0.0/16

Left Out: 209.191 ± 3.016 χ^2/NDF : 33.3/2

Right Out: -191.392 ± 1.083 χ^2/NDF : 0.0/19

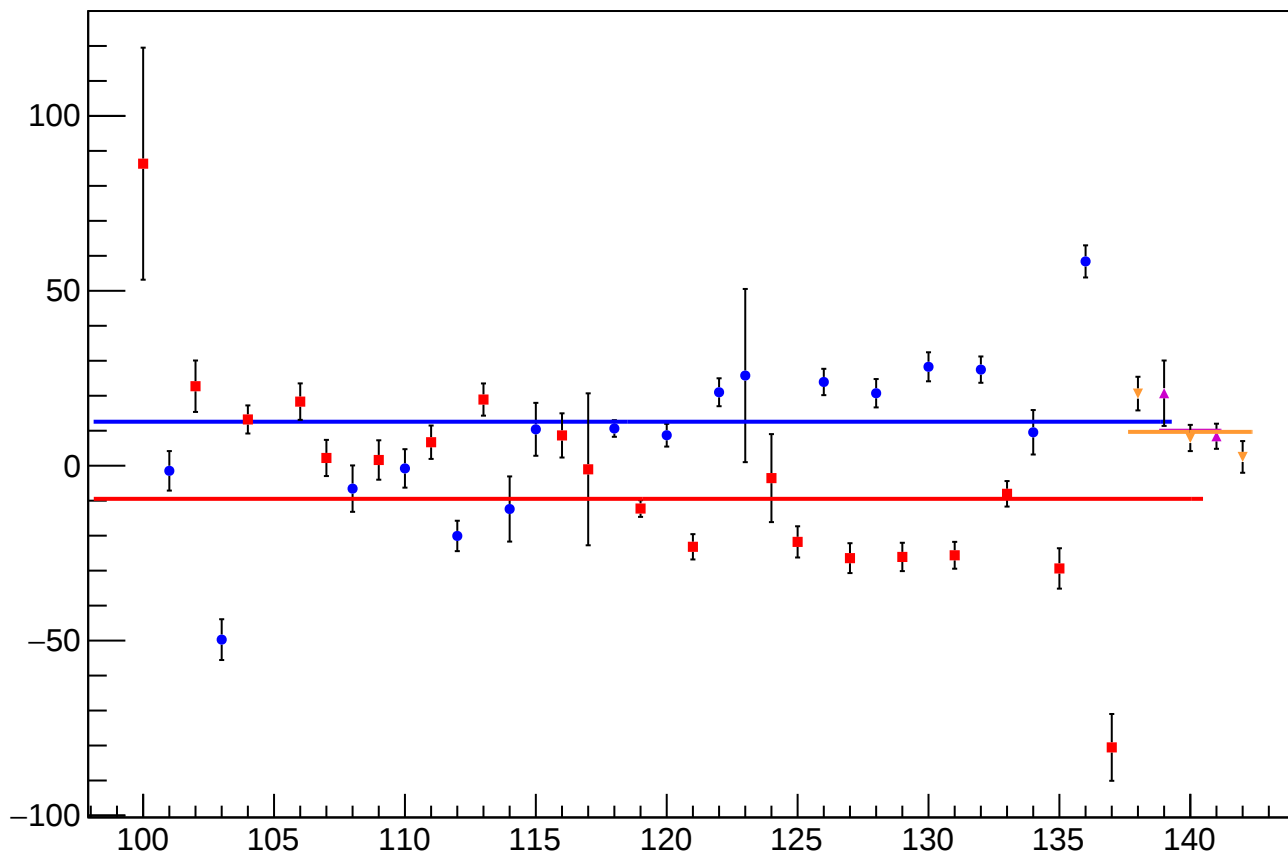
Left In: -244.215 ± 3.629 χ^2/NDF : 4.8/1

193.738 ± 1.095 χ^2/NDF : 63.5/19

-11.359 ± 0.753 χ^2/NDF : 66884.0/41

-195.716 ± 1.038 χ^2/NDF : 199.4/21

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 9.670 $\pm$ 2.476 χ^2 /NDF: 7.9/2

Right Out: -9.474 $\pm$ 1.046 χ^2 /NDF: 296.0/19

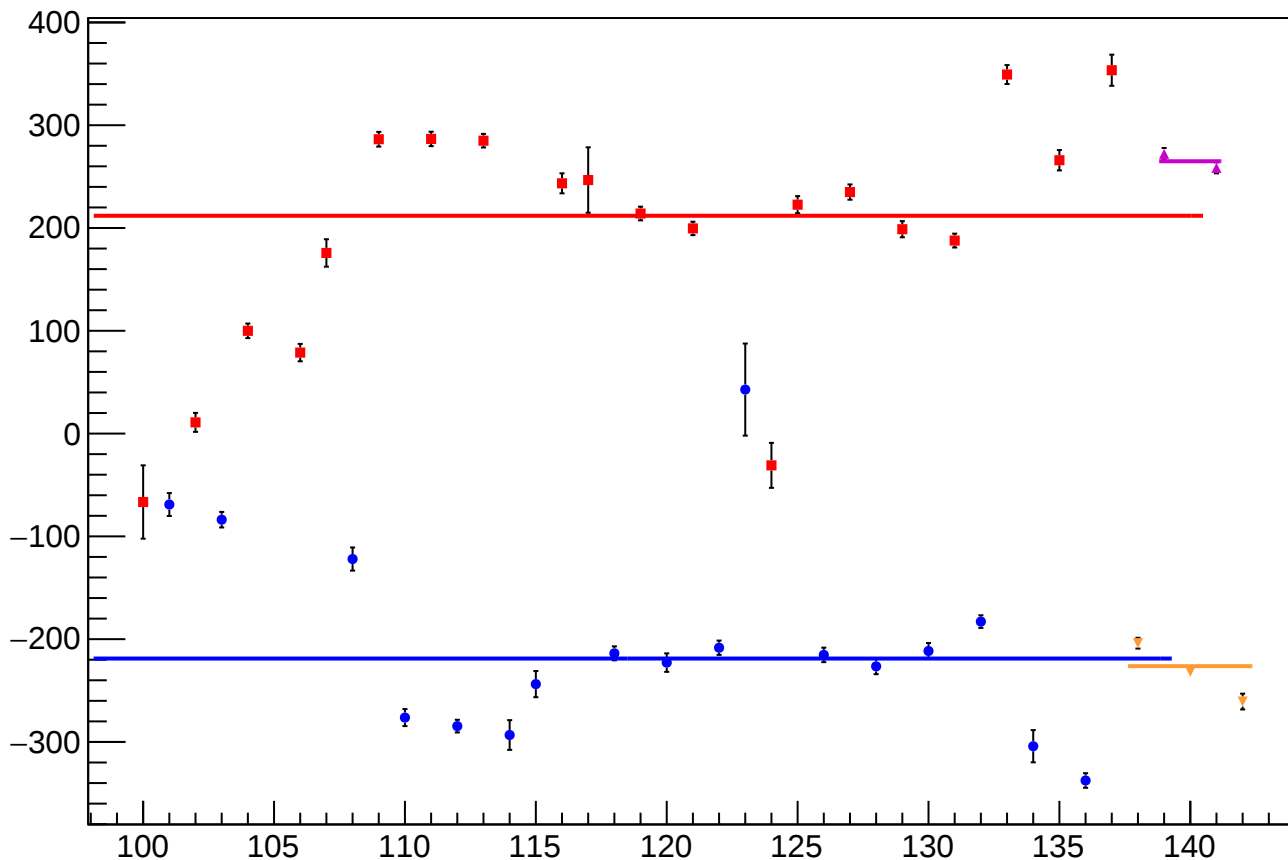
Left In: 10.001 $\pm$ 3.354 χ^2 /NDF: 1.5/1

12.114 $\pm$ 0.985 χ^2 /NDF: 357.0/19

2.318 $\pm$ 0.701 χ^2 /NDF: 885.7/41

-7.747 $\pm$ 0.999 χ^2 /NDF: 328.2/21

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855+/-2.023 χ^2/NDF : 1146.6/16

Left Out: -226.275+/-3.237 χ^2/NDF : 39.5/2

Right Out: 211.907+/-1.920 χ^2/NDF : 1886.4/19

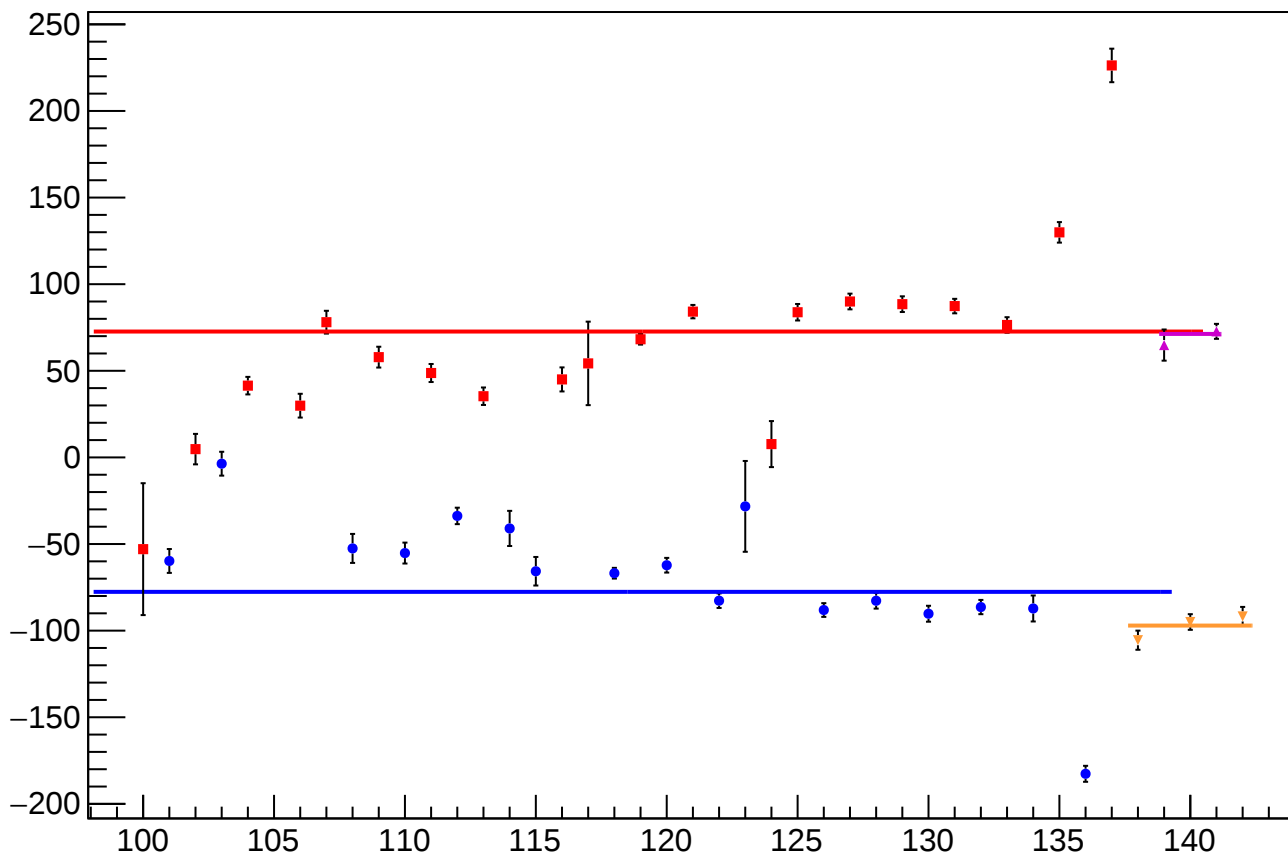
Left In: 264.949+/-3.894 χ^2/NDF : 3.1/1

-220.939+/-1.715 χ^2/NDF : 1189.8/19

-0.228+/-1.215 χ^2/NDF : 36479.4/41

222.285+/-1.722 χ^2/NDF : 2038.7/21

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

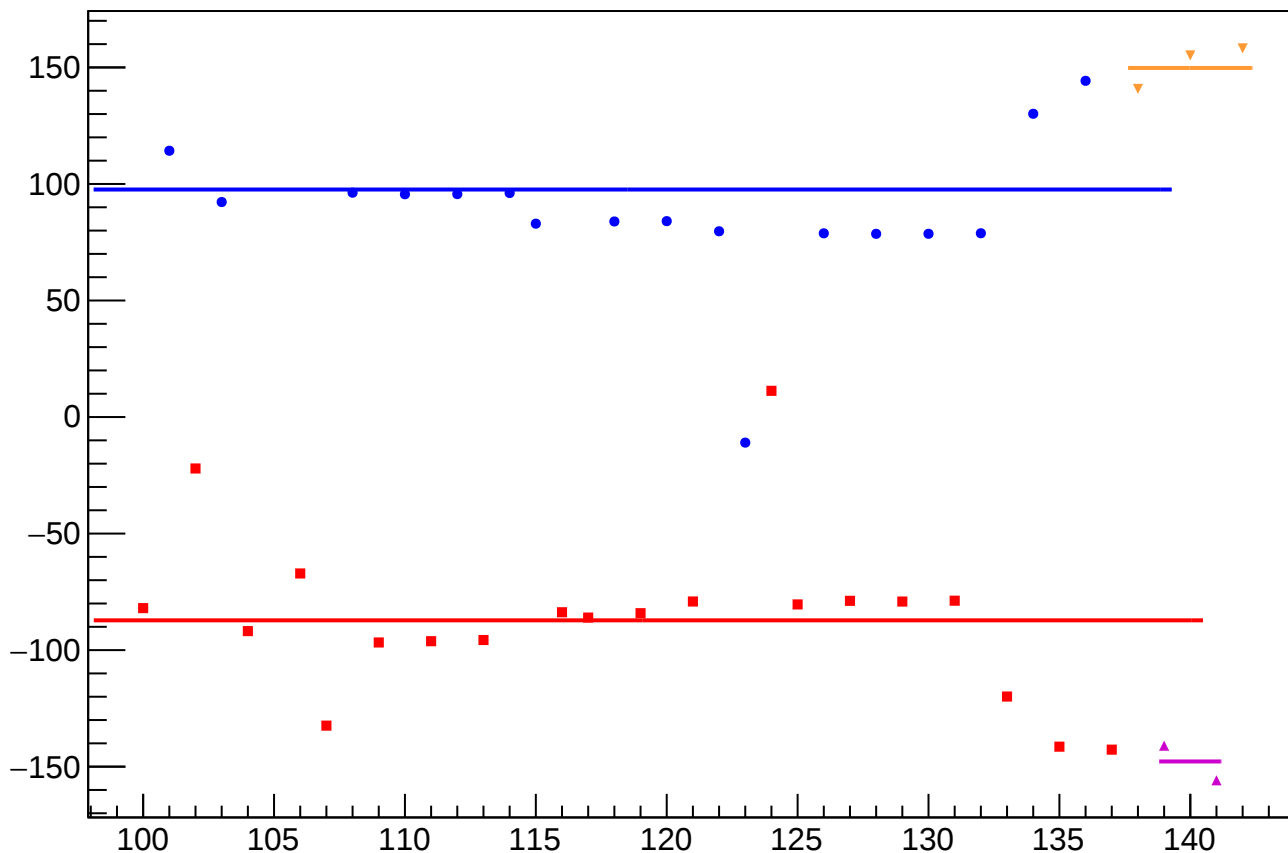
Left In: 71.282 $\pm$ 3.898 χ^2/NDF : 0.6/1

-80.519 $\pm$ 1.140 χ^2/NDF : 856.4/19

-4.692 $\pm$ 0.810 χ^2/NDF : 10453.4/41

72.543 $\pm$ 1.151 χ^2/NDF : 672.8/21

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

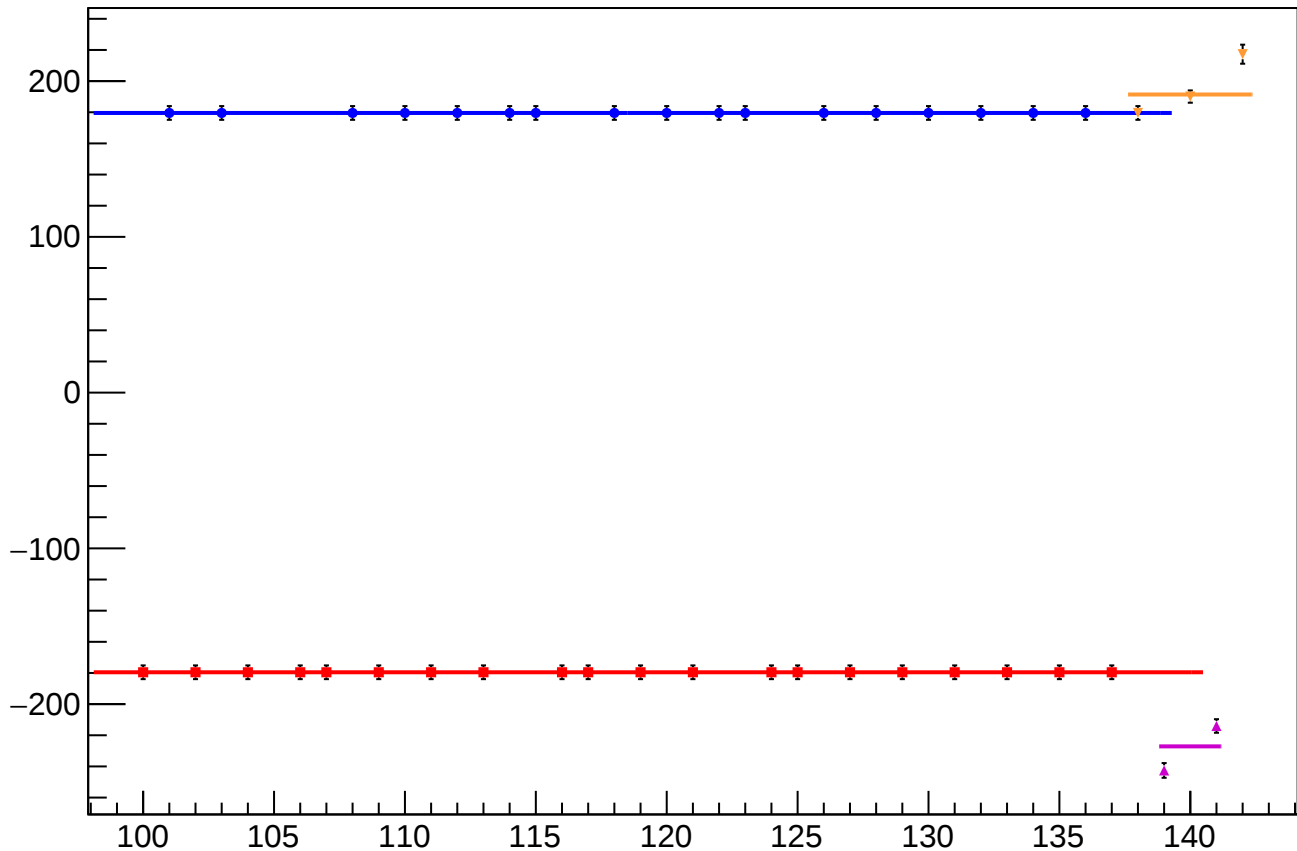
Left In: -147.774 $\pm$ 0.147 χ^2/NDF : 2547.0/1

109.720 $\pm$ 0.065 χ^2/NDF : 213446.2/19

1.314 $\pm$ 0.045 χ^2/NDF : 5973441.7/41

-97.999 $\pm$ 0.062 χ^2/NDF : 363698.0/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 179.552 +/- 1.071 χ^2/NDF : 0.0/16

Left Out: 191.404 +/- 2.654 χ^2/NDF : 25.2/2

Right Out: -179.552 +/- 0.988 χ^2/NDF : 0.0/19

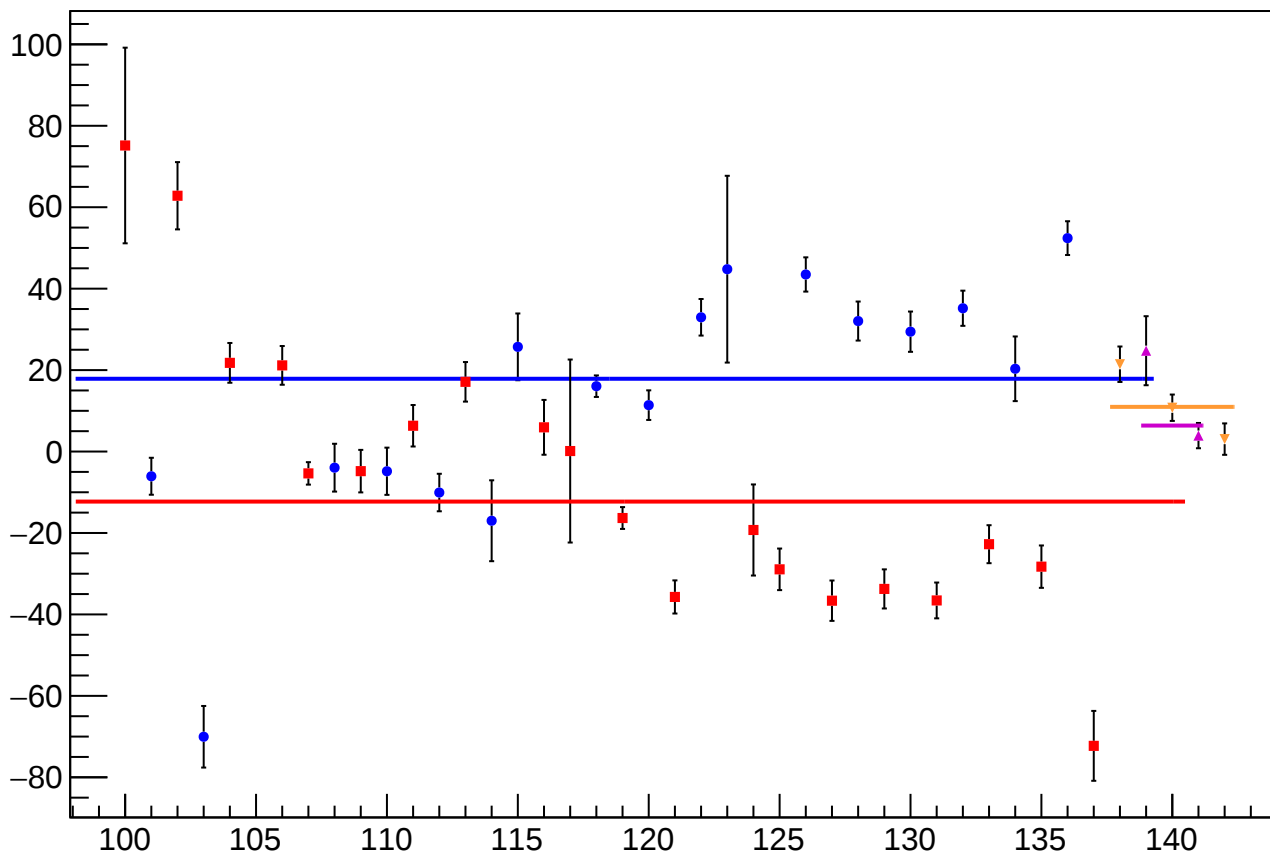
Left In: -227.126 +/- 3.206 χ^2/NDF : 19.7/1

181.212 +/- 0.993 χ^2/NDF : 42.4/19

-10.551 +/- 0.684 χ^2/NDF : 71189.0/41

-183.676 +/- 0.944 χ^2/NDF : 220.8/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 ± 1.166 $\chi^2/\text{NDF}: 395.3/16$

Left Out: 10.972 ± 2.155 $\chi^2/\text{NDF}: 10.0/2$

Right Out: -12.288 ± 1.082 $\chi^2/\text{NDF}: 444.4/19$

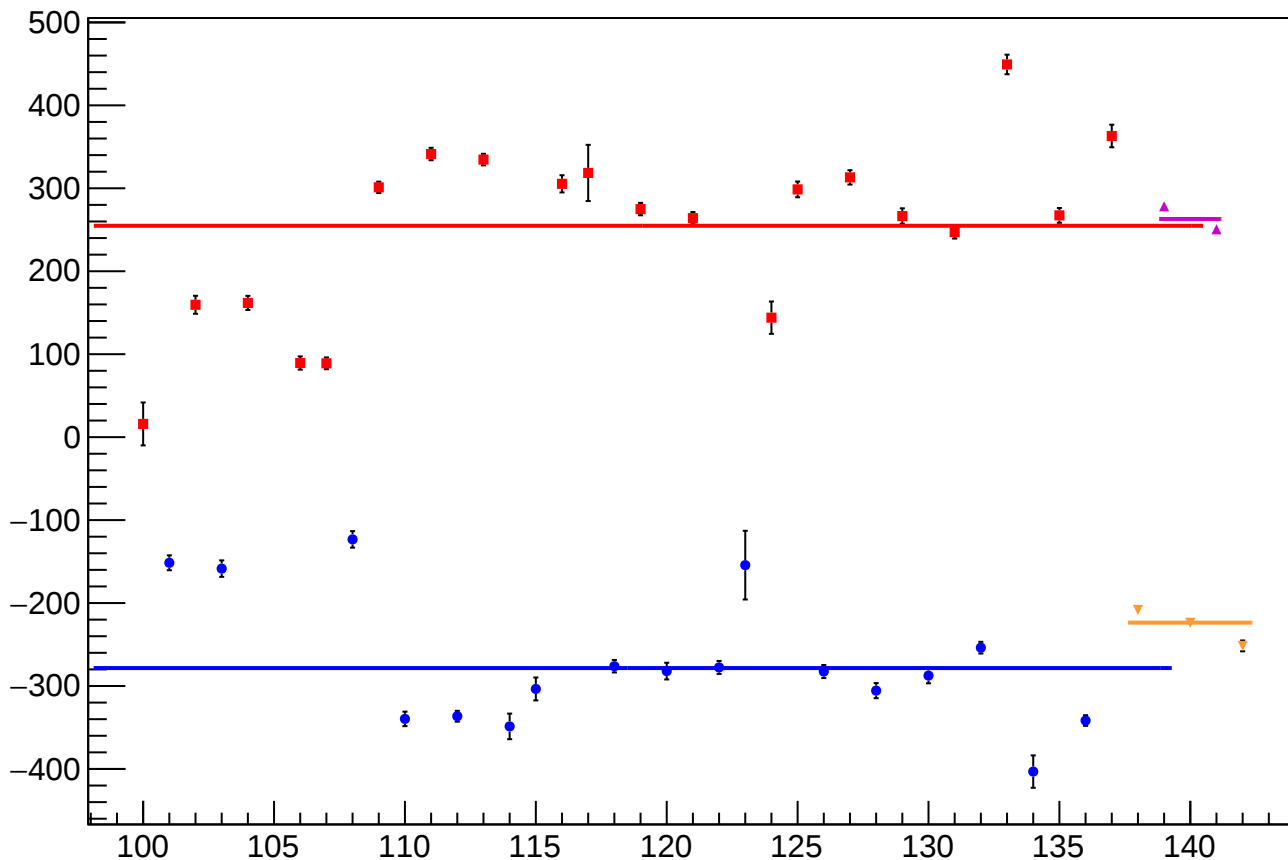
Left In: 6.379 ± 2.915 $\chi^2/\text{NDF}: 5.3/1$

16.310 ± 1.025 $\chi^2/\text{NDF}: 413.3/19$

3.000 ± 0.721 $\chi^2/\text{NDF}: 1232.4/41$

-10.028 ± 1.014 $\chi^2/\text{NDF}: 485.7/21$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

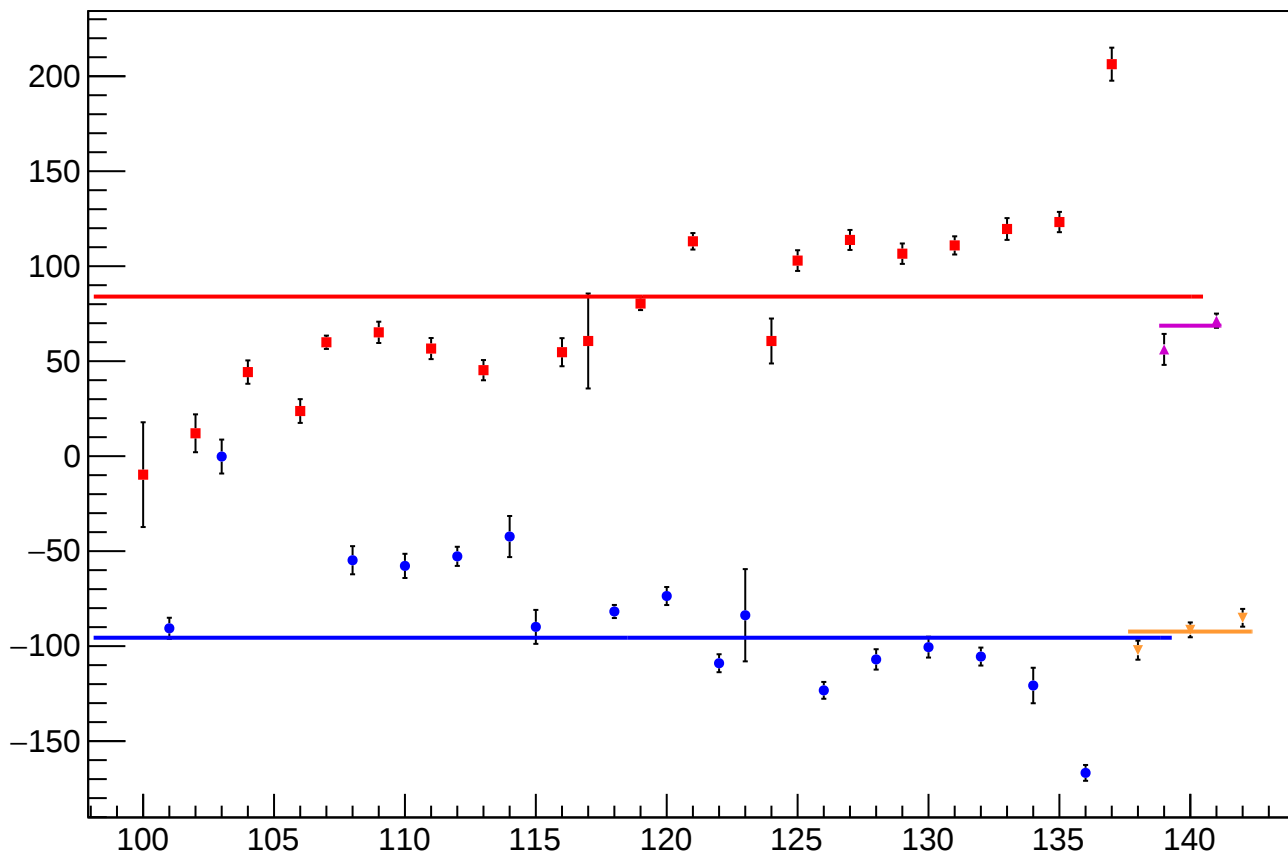
Left In: 263.030 +/- 3.438 χ^2/NDF : 16.0/1

-258.076 +/- 1.733 χ^2/NDF : 1172.1/19

-1.459 +/- 1.228 χ^2/NDF : 47229.8/41

256.929 +/- 1.739 χ^2/NDF : 2061.3/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576+/-1.340 χ^2/NDF : 671.2/16

Left Out: -92.328+/-2.573 χ^2/NDF : 6.3/2

Right Out: 84.003+/-1.255 χ^2/NDF : 784.1/19

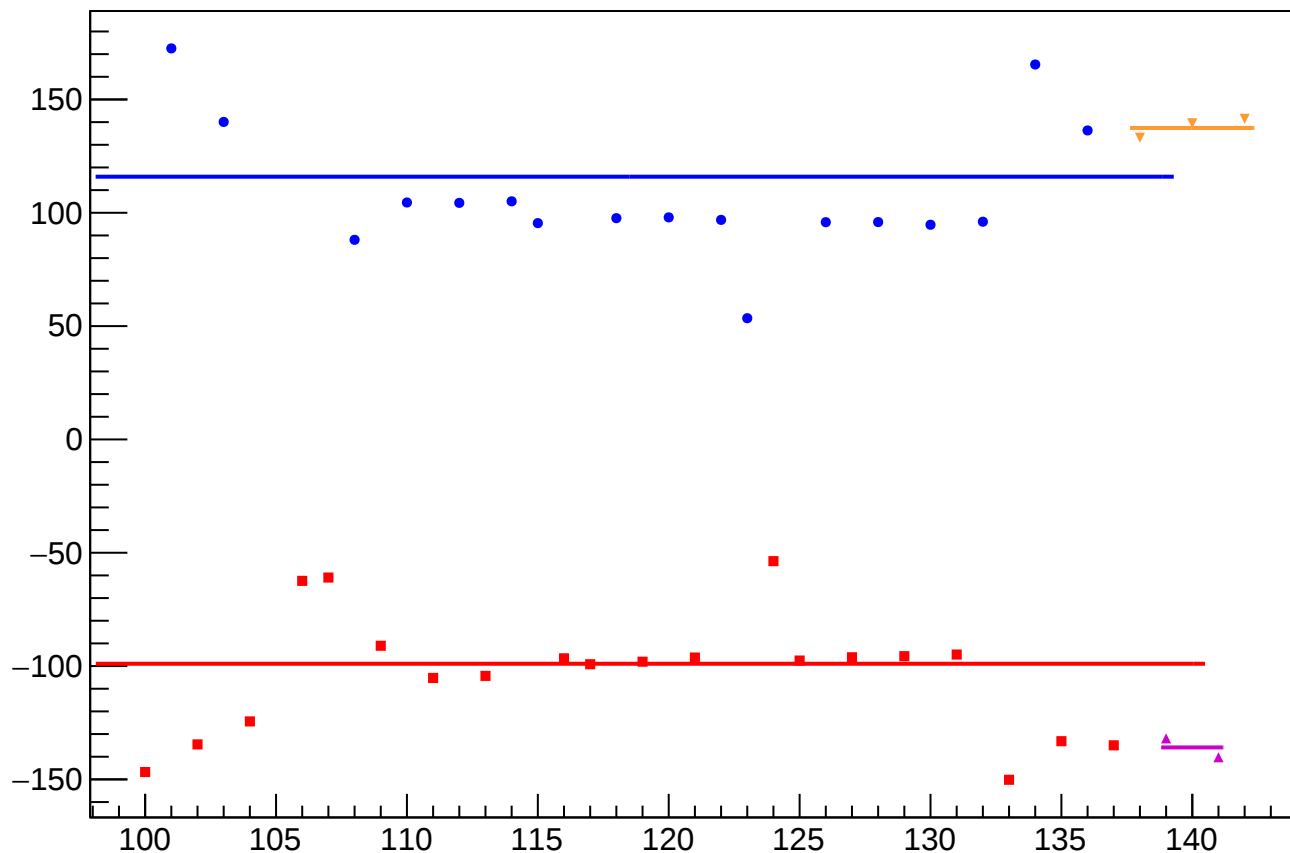
Left In: 68.685+/-3.398 χ^2/NDF : 2.8/1

-94.883+/-1.189 χ^2/NDF : 678.8/19

-5.505+/-0.837 χ^2/NDF : 12679.7/41

82.165+/-1.177 χ^2/NDF : 804.8/21

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927 $\pm$ 0.078 χ^2/NDF : 105791.4/16

Left Out: -98.982 $\pm$ 0.068 χ^2/NDF : 869.9/2

Right Out: -98.982 $\pm$ 0.068 χ^2/NDF : 172974.2/19

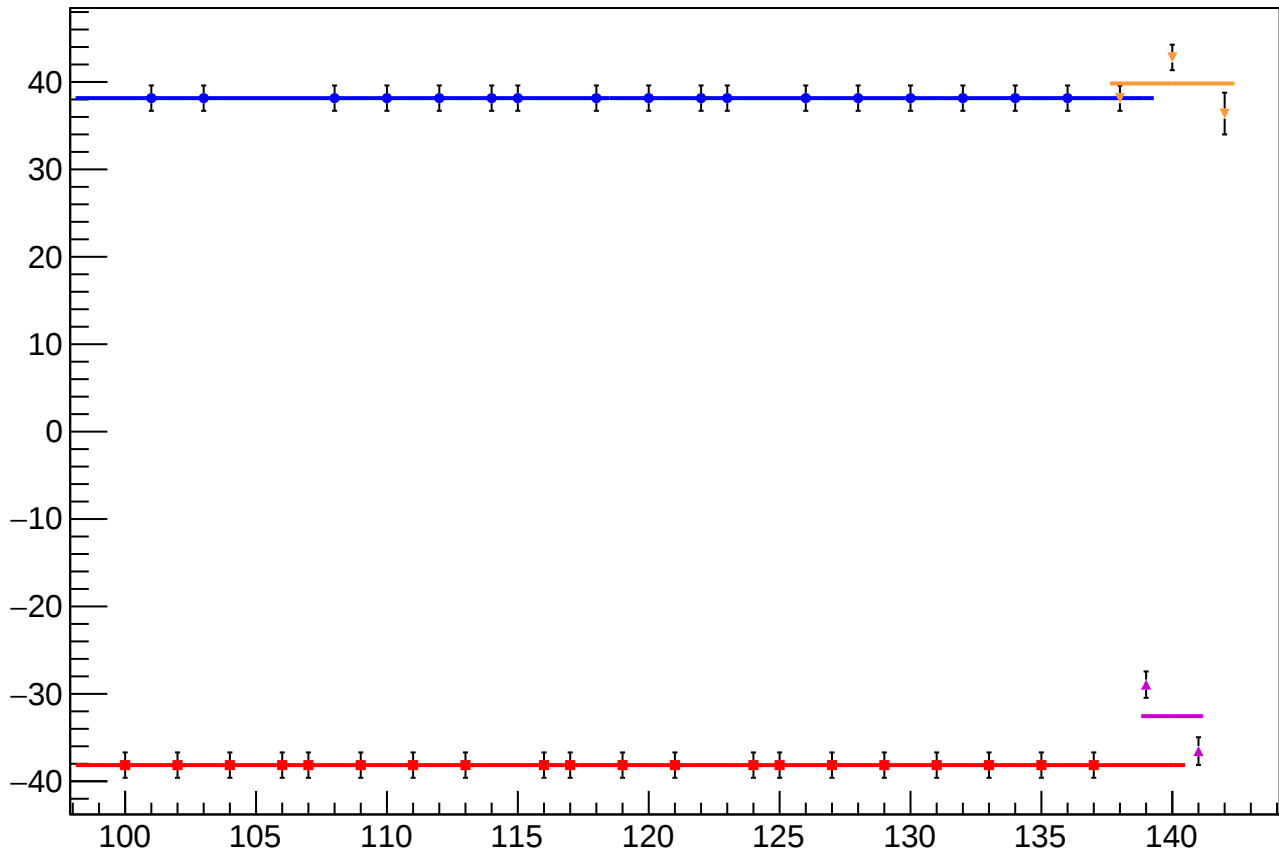
Left In: -135.900 $\pm$ 0.130 χ^2/NDF : 1022.8/1

122.499 $\pm$ 0.065 χ^2/NDF : 129638.7/19

-0.908 $\pm$ 0.044 χ^2/NDF : 6998159.1/41

-106.999 $\pm$ 0.061 χ^2/NDF : 237105.5/21

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

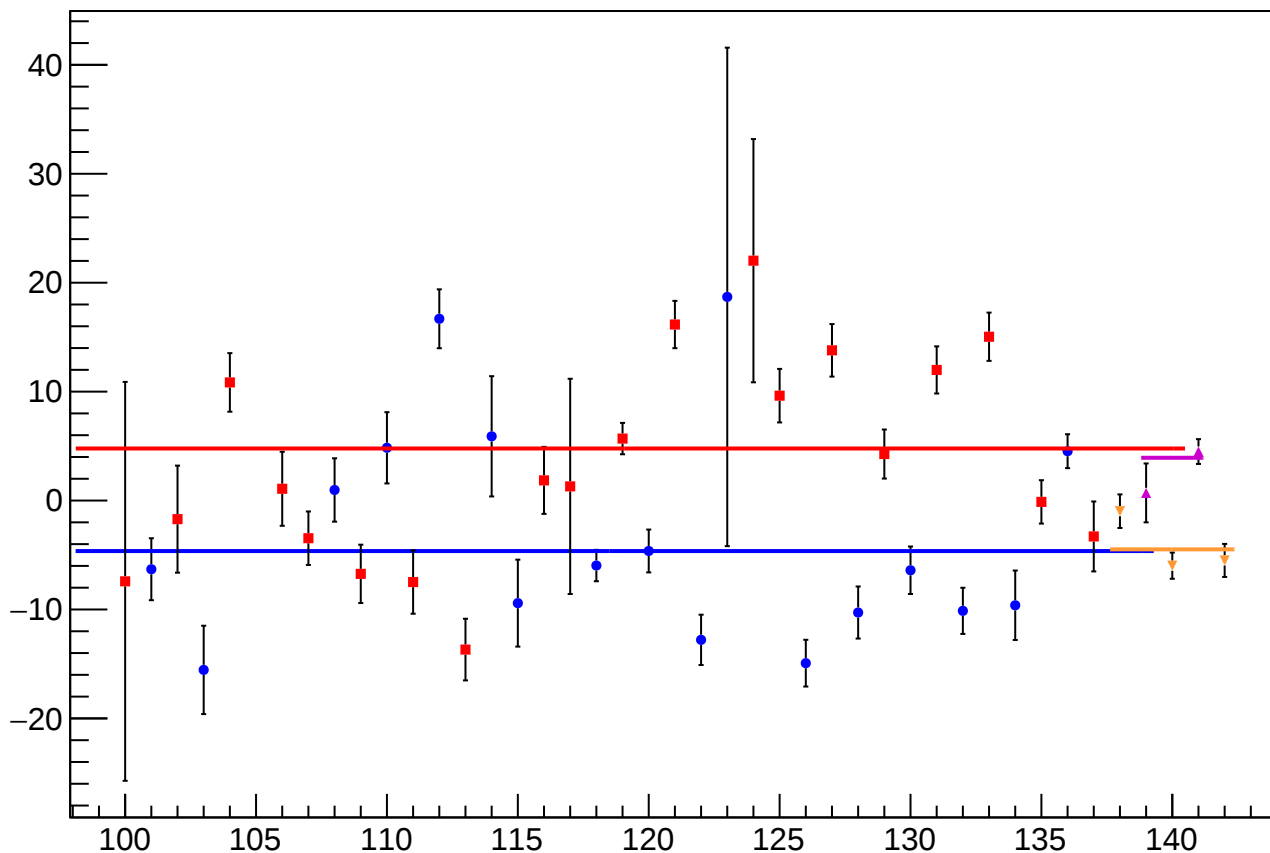
Left In: -32.552+/-1.094 χ^2/NDF : 12.1/1

38.356+/-0.330 χ^2/NDF : 10.4/19

-1.893+/-0.226 χ^2/NDF : 28170.7/41

-37.698+/-0.311 χ^2/NDF : 36.2/21

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

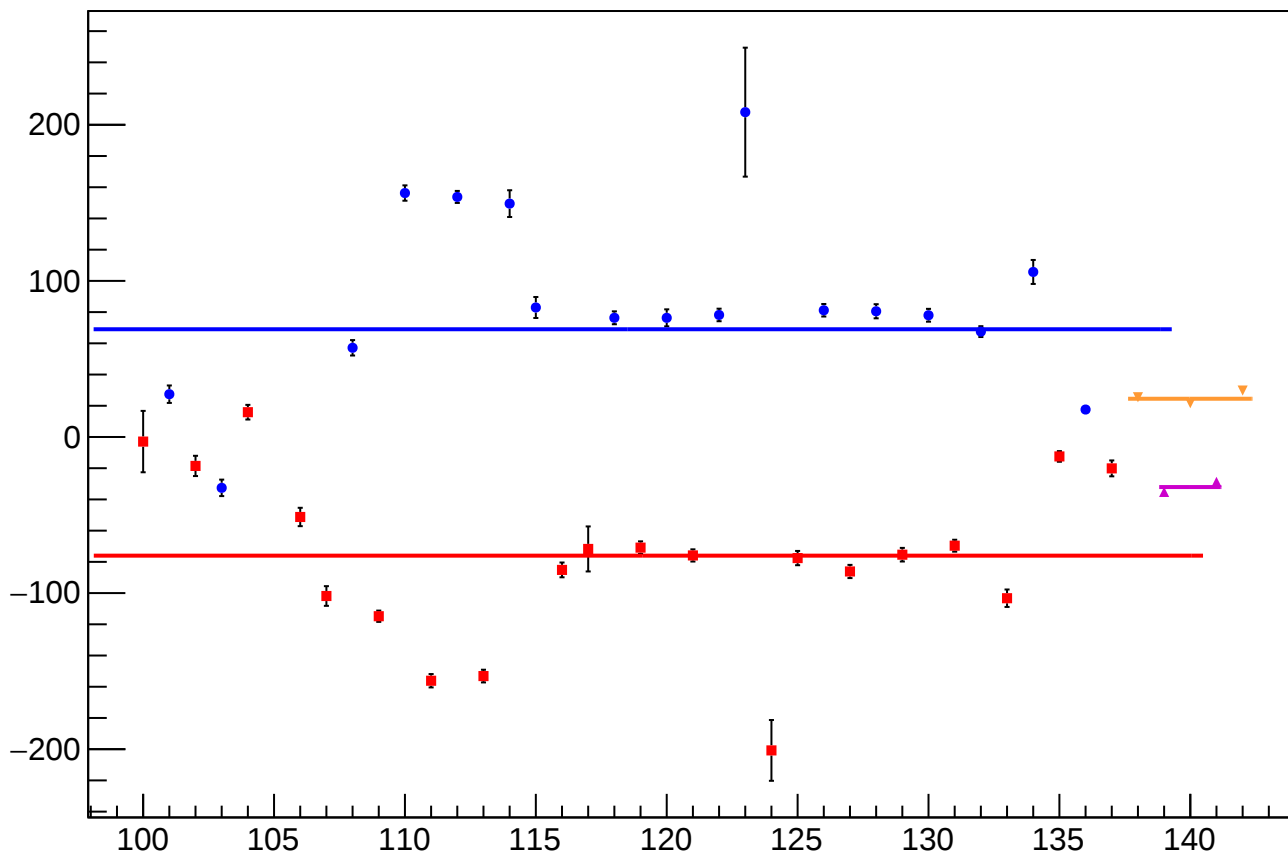
Left In: 3.927 ± 1.049 χ^2/NDF : 1.7/1

-4.582 ± 0.475 χ^2/NDF : 181.6/19

-0.331 ± 0.347 χ^2/NDF : 549.4/41

4.577 ± 0.510 χ^2/NDF : 194.8/21

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

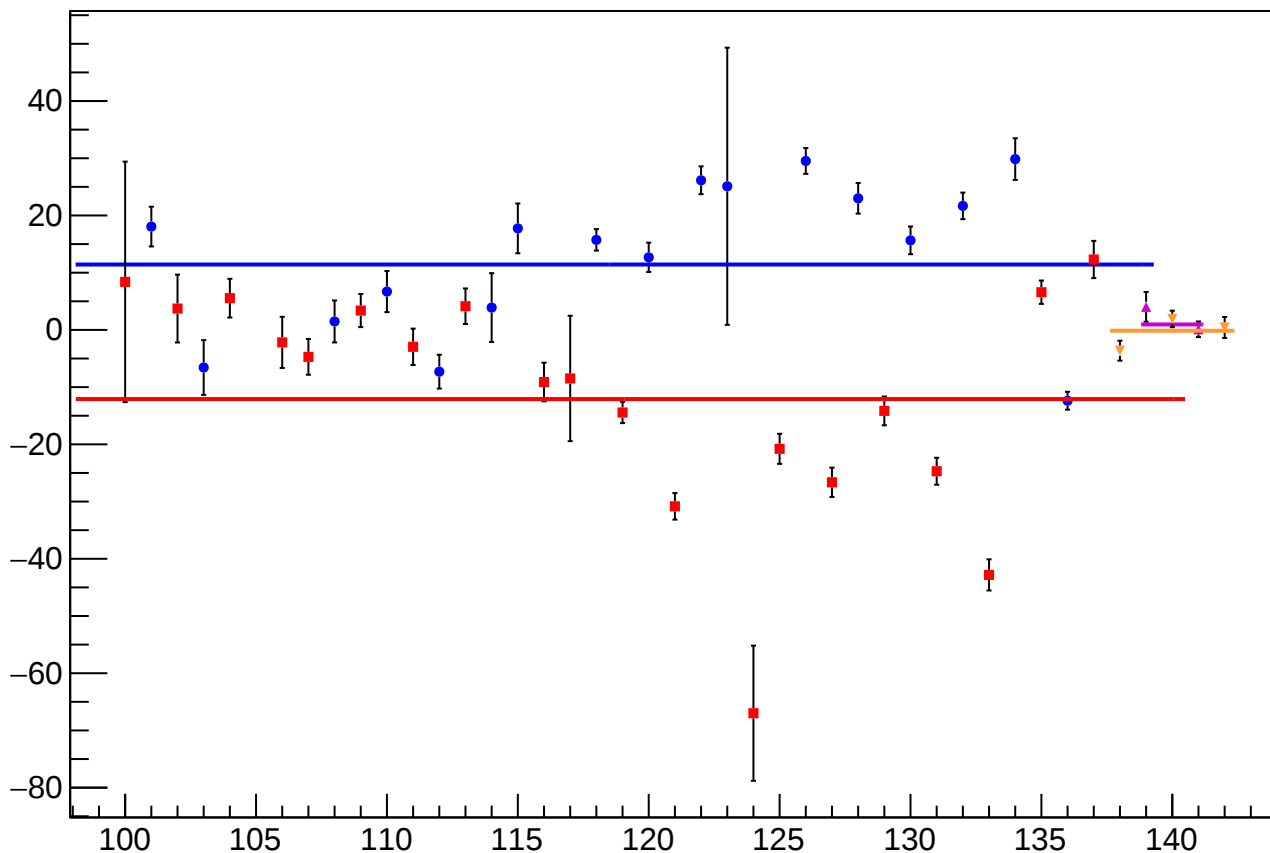
Left In: -32.069 ± 1.174 χ^2/NDF : 7.5/1

45.312 ± 0.741 χ^2/NDF : 2755.2/19

-2.180 ± 0.540 χ^2/NDF : 14191.8/41

-56.144 ± 0.790 χ^2/NDF : 2656.8/21

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 χ^2/NDF : 476.8/16

Left Out: -0.144 ± 0.950 χ^2/NDF : 6.1/2

Right Out: -12.082 ± 0.663 χ^2/NDF : 539.2/19

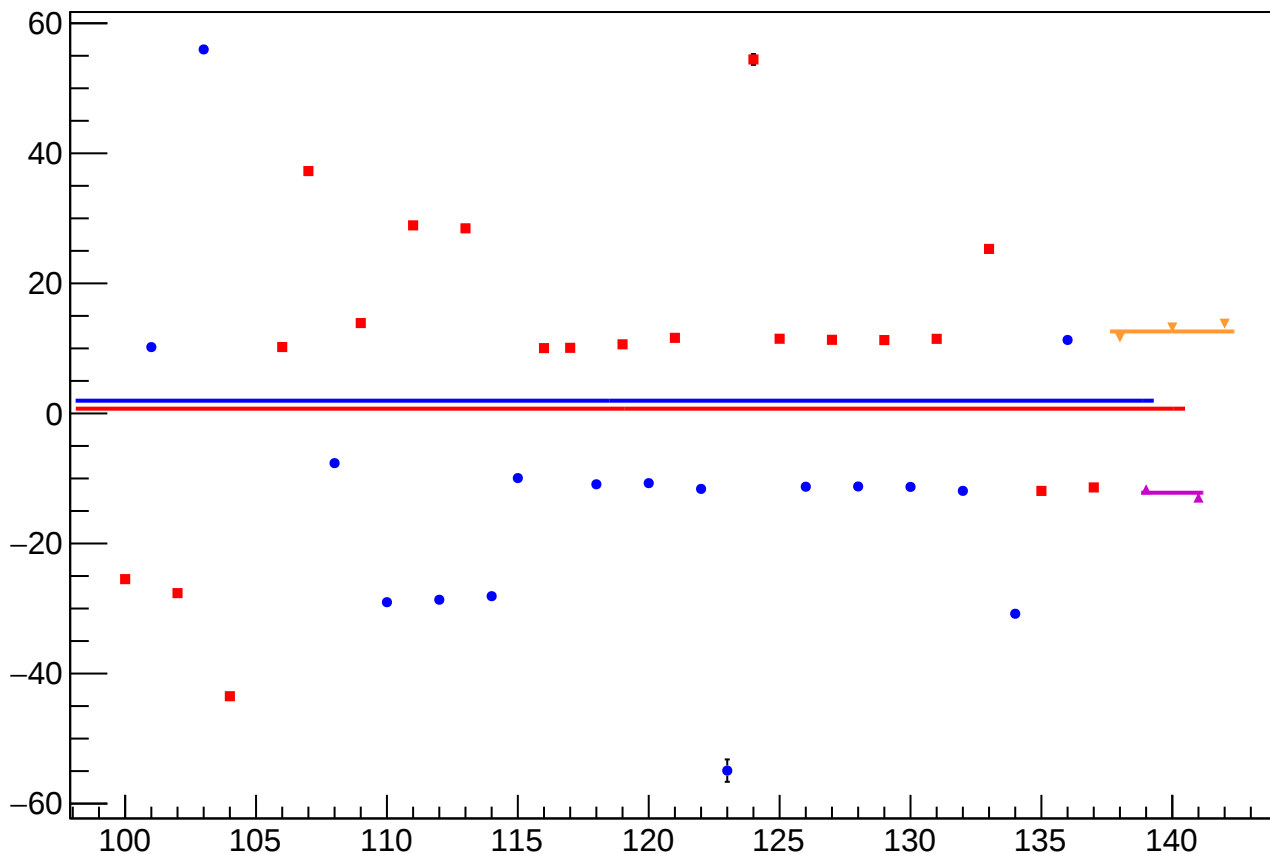
Left In: 0.953 ± 1.209 χ^2/NDF : 1.8/1

7.619 ± 0.545 χ^2/NDF : 582.4/19

-0.191 ± 0.398 χ^2/NDF : 1651.6/41

-9.068 ± 0.581 χ^2/NDF : 630.4/21

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 ± 0.037 $\chi^2/\text{NDF}: 358457.0/16$

Left Out: 12.604 ± 0.041 $\chi^2/\text{NDF}: 447.4/2$

Right Out: 0.733 ± 0.037 $\chi^2/\text{NDF}: 361368.4/19$

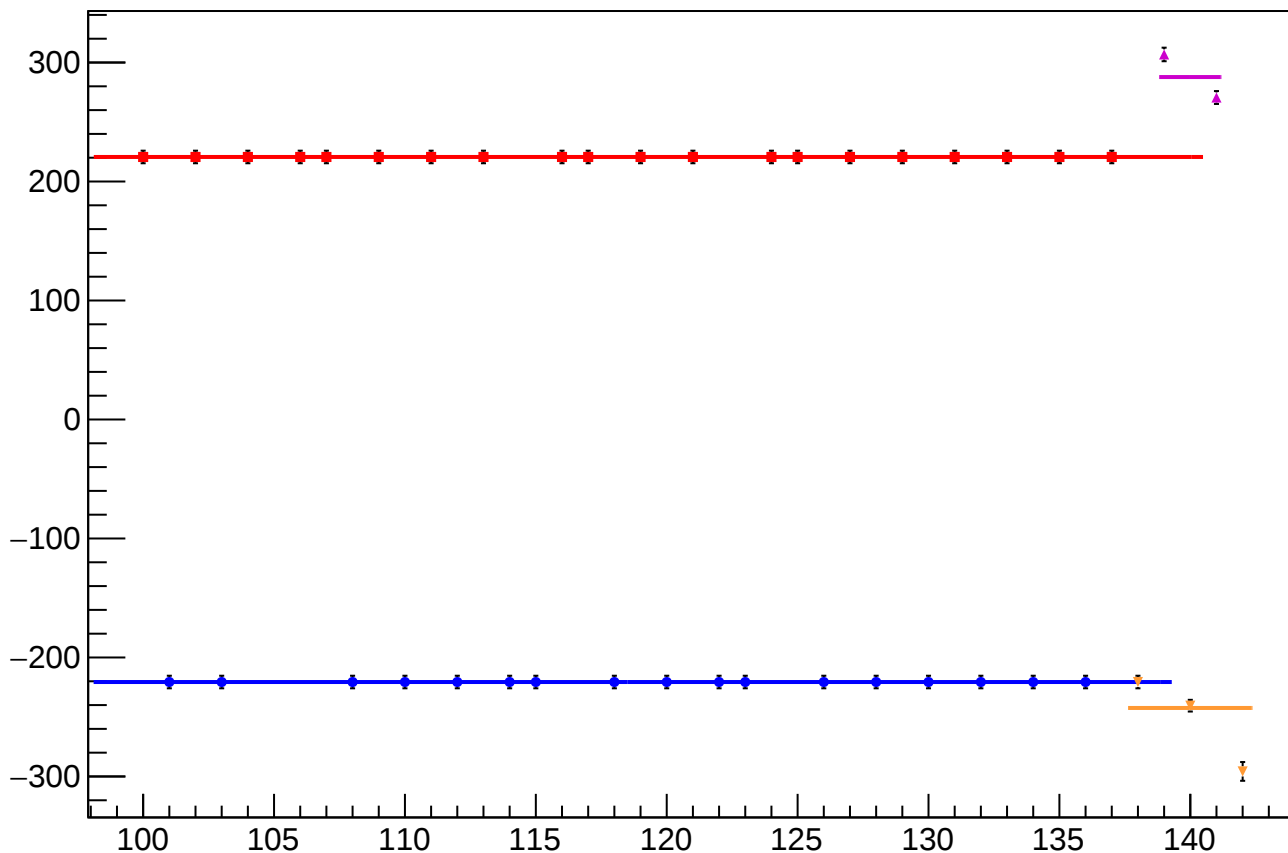
Left In: -12.193 ± 0.044 $\chi^2/\text{NDF}: 205.9/1$

6.698 ± 0.028 $\chi^2/\text{NDF}: 395444.6/19$

1.151 ± 0.020 $\chi^2/\text{NDF}: 889917.6/41$

-4.653 ± 0.028 $\chi^2/\text{NDF}: 412259.8/21$

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -220.625 ± 1.284 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -242.428 ± 3.278 $\chi^2/\text{NDF}: 62.8/2$

Right Out: 220.625 ± 1.184 $\chi^2/\text{NDF}: 0.0/19$

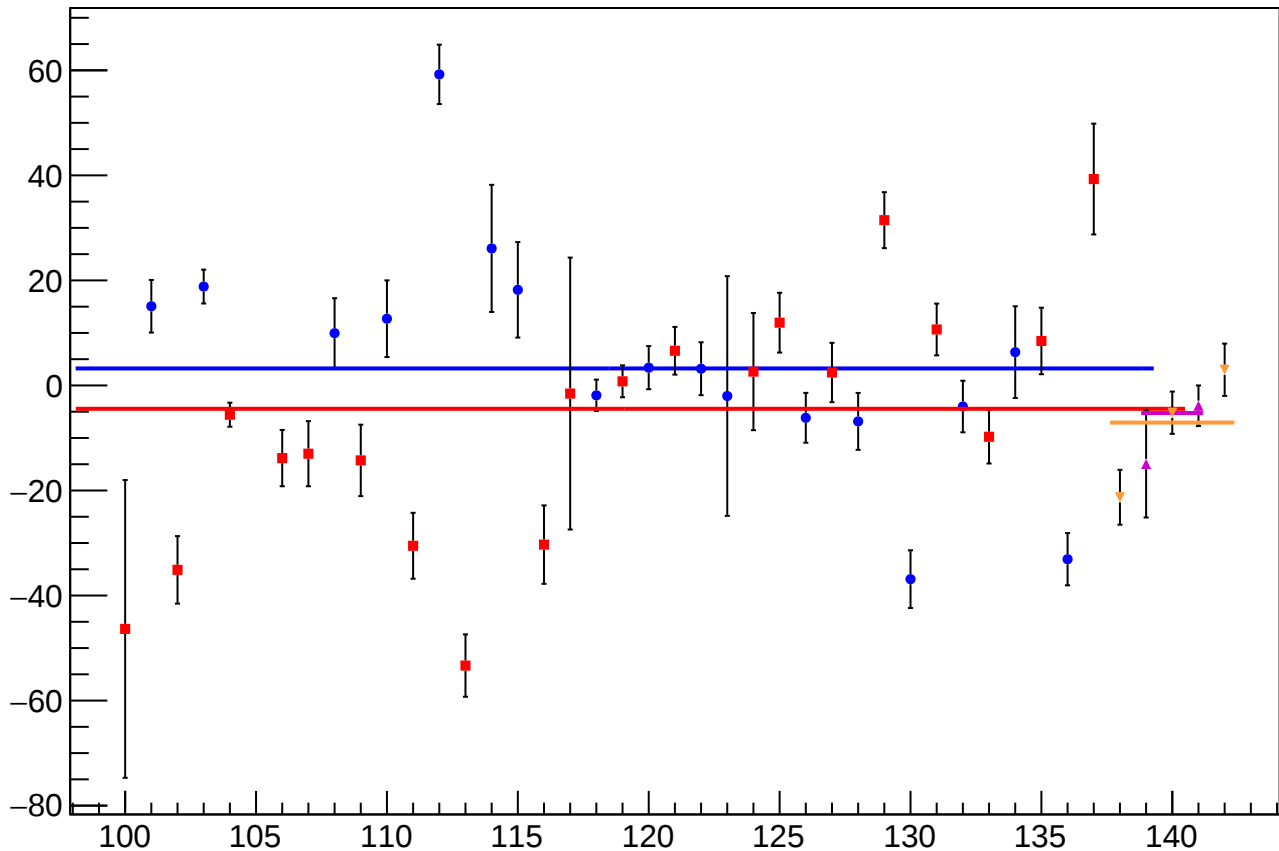
Left In: 287.789 ± 3.930 $\chi^2/\text{NDF}: 21.1/1$

-223.525 ± 1.196 $\chi^2/\text{NDF}: 101.2/19$

13.323 ± 0.823 $\chi^2/\text{NDF}: 74916.3/41$

226.212 ± 1.133 $\chi^2/\text{NDF}: 288.9/21$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 $\chi^2/\text{NDF}: 255.3/16$

Left Out: -7.069 ± 2.686 $\chi^2/\text{NDF}: 11.7/2$

Right Out: -4.444 ± 1.156 $\chi^2/\text{NDF}: 225.8/19$

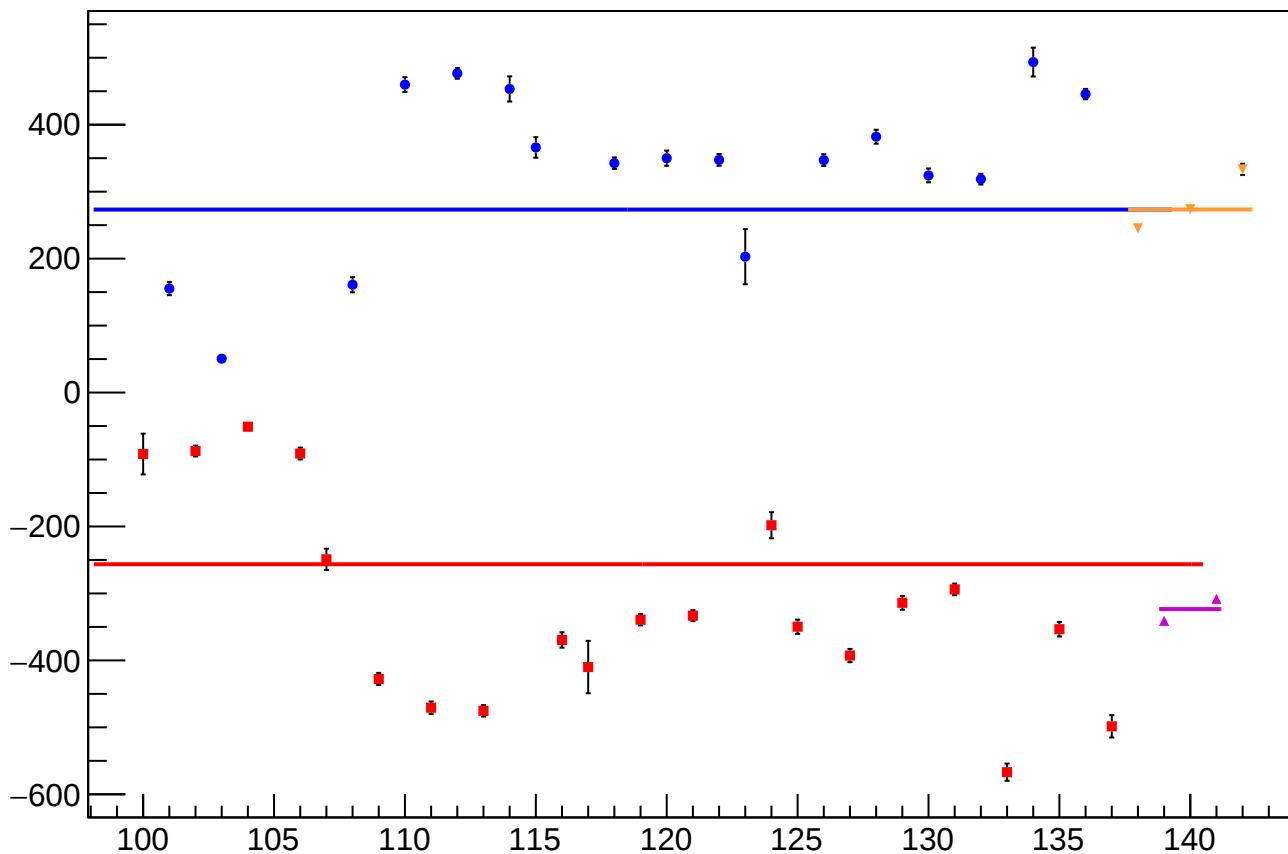
Left In: -5.258 ± 3.613 $\chi^2/\text{NDF}: 1.0/1$

1.418 ± 1.129 $\chi^2/\text{NDF}: 279.1/19$

-1.624 ± 0.788 $\chi^2/\text{NDF}: 520.1/41$

-4.519 ± 1.101 $\chi^2/\text{NDF}: 226.8/21$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2/NDF : 5101.5/16

Left Out: 273.413 $\pm$ 3.517 χ^2/NDF : 74.3/2

Right Out: -256.418 $\pm$ 2.077 χ^2/NDF : 6453.9/19

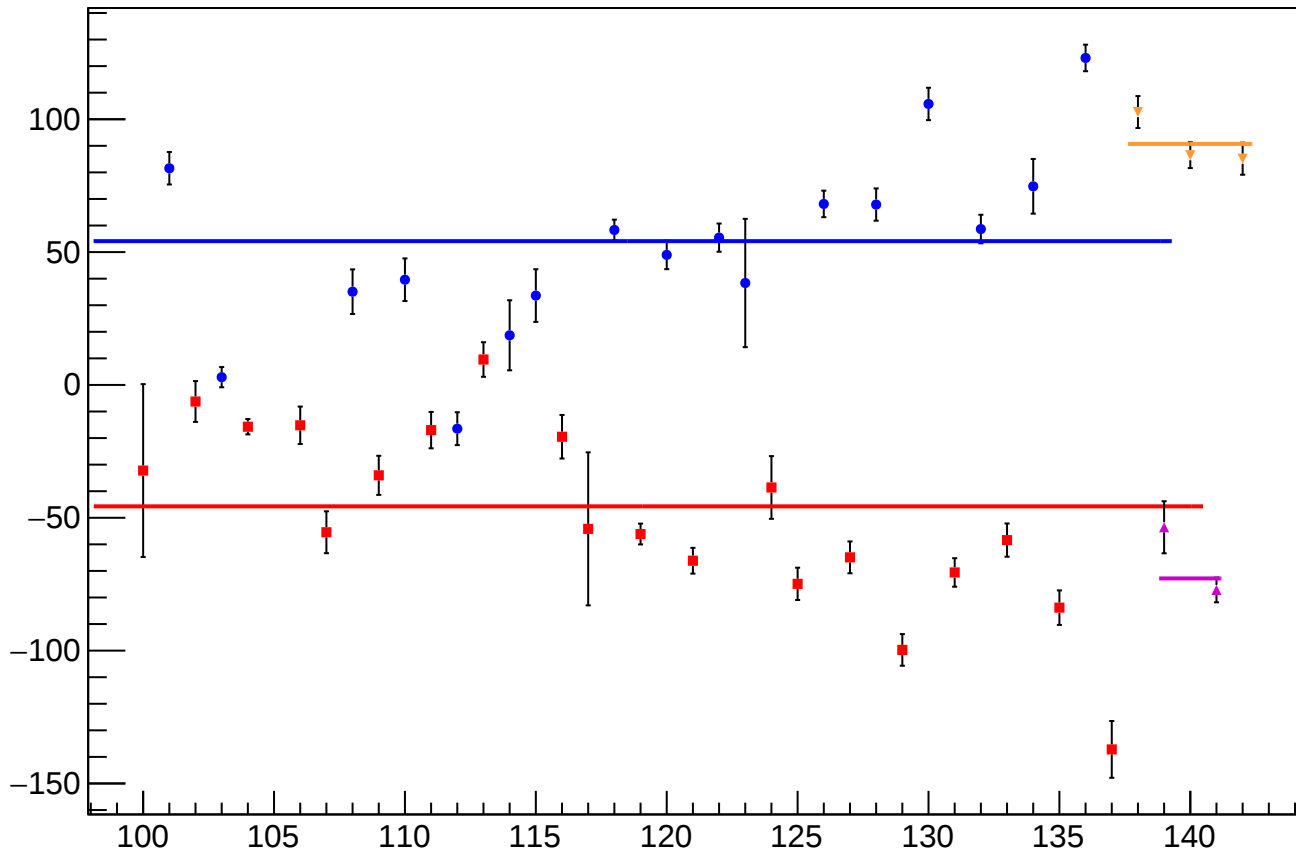
Left In: -323.347 $\pm$ 4.216 χ^2/NDF : 15.1/1

273.315 $\pm$ 1.868 χ^2/NDF : 5175.8/19

1.191 $\pm$ 1.319 χ^2/NDF : 54174.9/41

-269.486 $\pm$ 1.863 χ^2/NDF : 6671.7/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

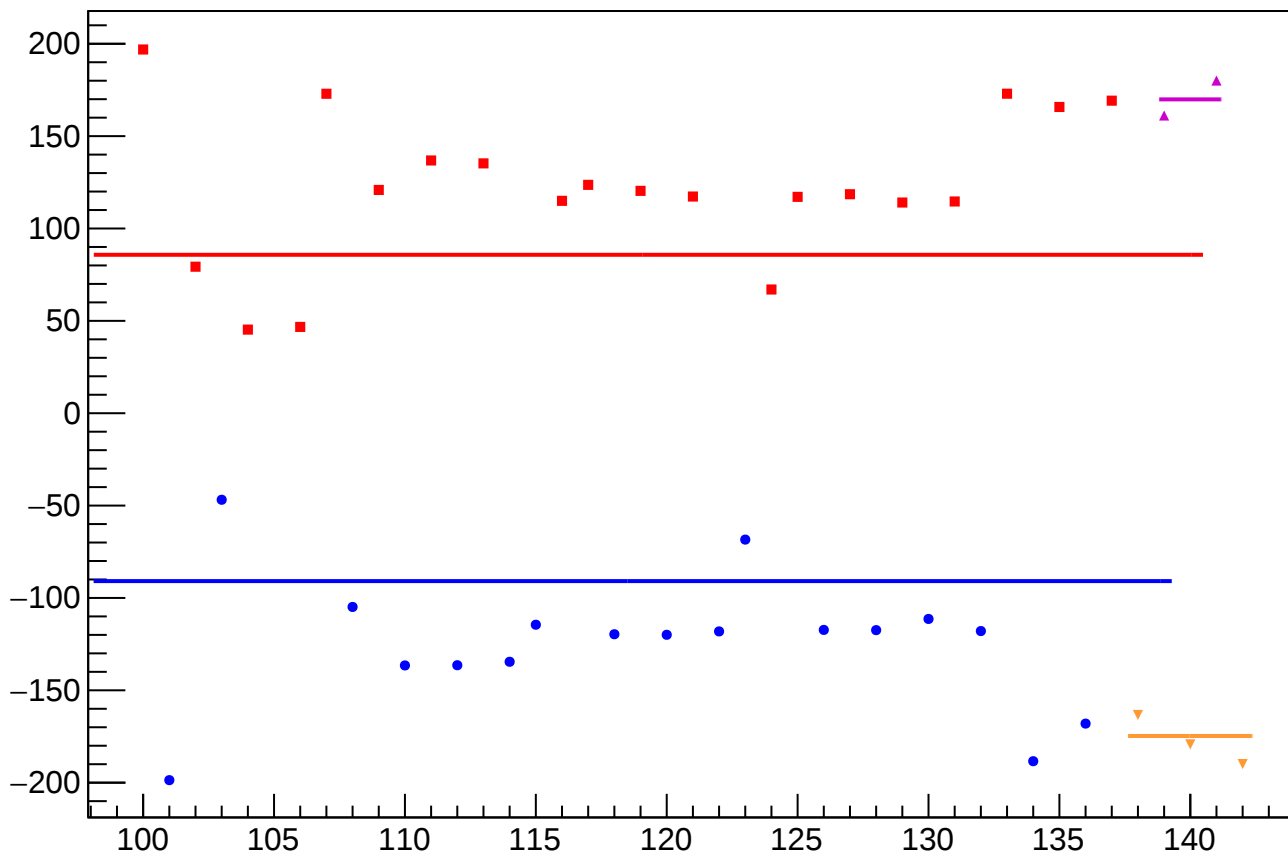
Left In: -72.825 $\pm$ 4.205 χ^2/NDF : 4.7/1

60.251 $\pm$ 1.312 χ^2/NDF : 748.0/19

5.100 $\pm$ 0.920 χ^2/NDF : 4798.8/41

-48.249 $\pm$ 1.290 χ^2/NDF : 573.6/21

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 494629.5/19$

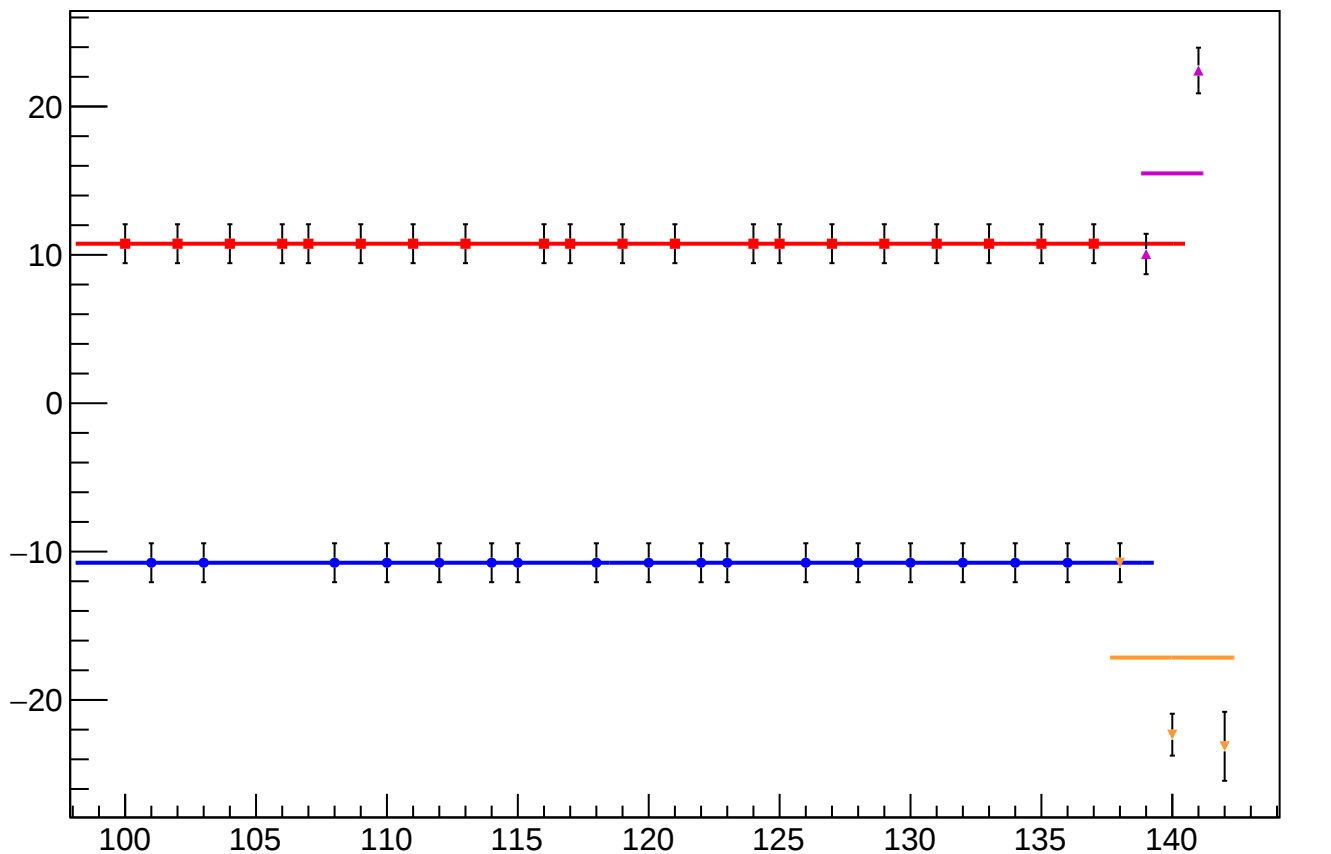
Left In: 169.895 ± 0.159 $\chi^2/\text{NDF}: 3520.9/1$

-105.738 ± 0.061 $\chi^2/\text{NDF}: 809638.7/19$

-1.814 ± 0.043 $\chi^2/\text{NDF}: 7149231.9/41$

97.836 ± 0.060 $\chi^2/\text{NDF}: 738190.2/21$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -10.752 $\pm$ 0.318 χ^2/NDF : 0.0/16

Left Out: -17.143 $\pm$ 0.888 χ^2/NDF : 43.9/2

Right Out: 10.752 $\pm$ 0.293 χ^2/NDF : 0.0/19

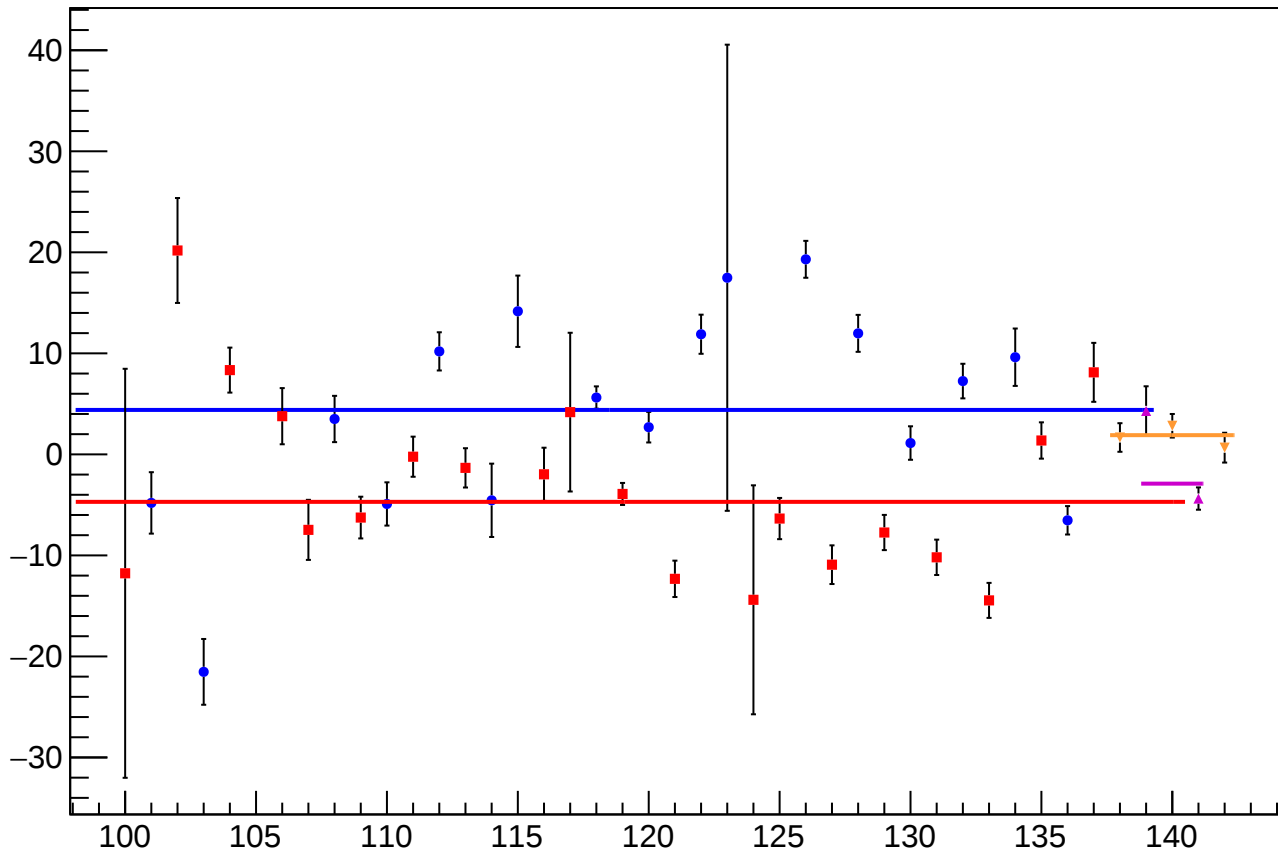
Left In: 15.491 $\pm$ 1.020 χ^2/NDF : 36.2/1

-11.479 $\pm$ 0.299 χ^2/NDF : 89.8/19

0.501 $\pm$ 0.205 χ^2/NDF : 3163.2/41

11.113 $\pm$ 0.282 χ^2/NDF : 56.1/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 $\chi^2/\text{NDF}: 286.8/16$

Left Out: 1.901 ± 0.769 $\chi^2/\text{NDF}: 1.4/2$

Right Out: -4.700 ± 0.472 $\chi^2/\text{NDF}: 184.2/19$

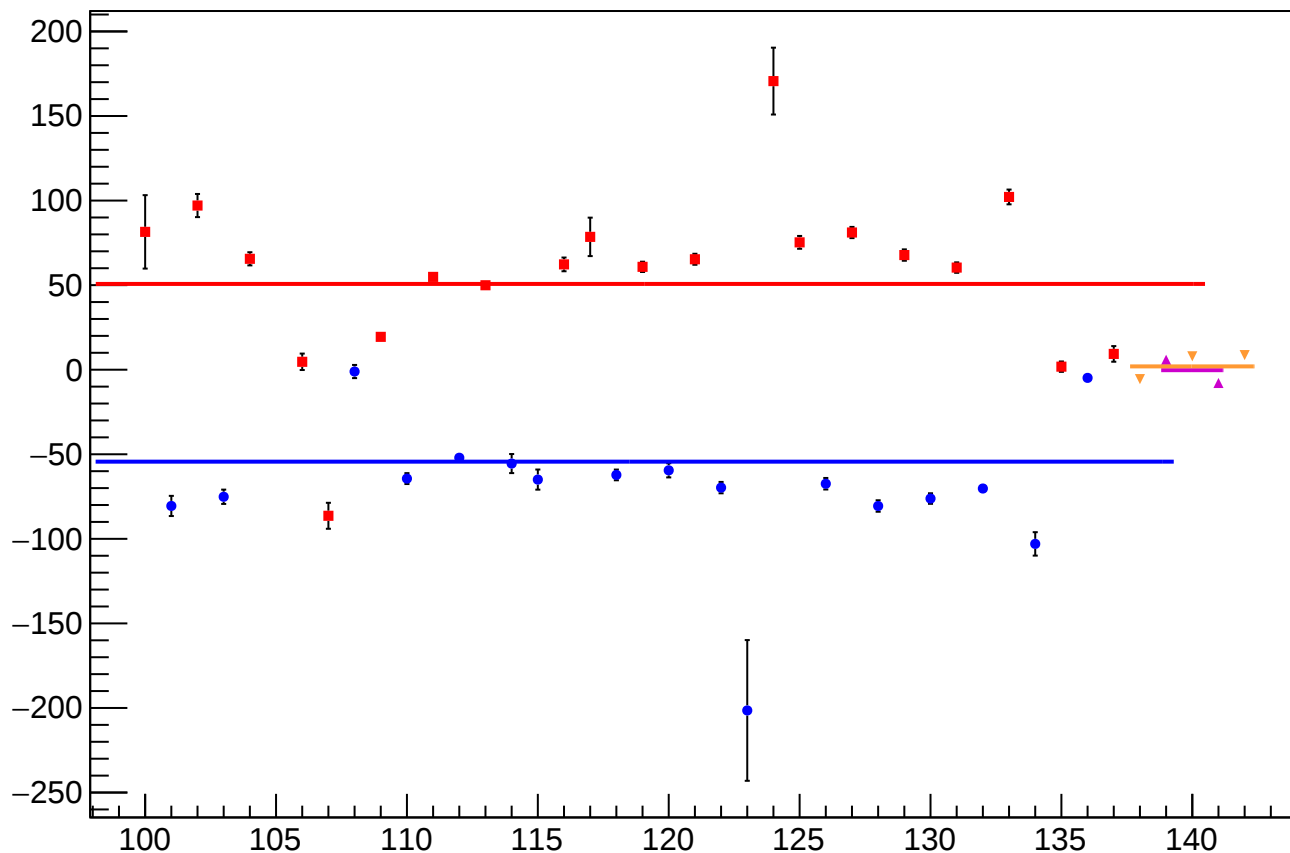
Left In: -2.897 ± 1.006 $\chi^2/\text{NDF}: 10.5/1$

3.717 ± 0.402 $\chi^2/\text{NDF}: 295.9/19$

-0.077 ± 0.293 $\chi^2/\text{NDF}: 683.5/41$

-4.374 ± 0.427 $\chi^2/\text{NDF}: 197.3/21$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: 1.953 ± 0.954 χ^2/NDF : 50.9/2

Right Out: 50.712 ± 0.855 χ^2/NDF : 1327.3/19

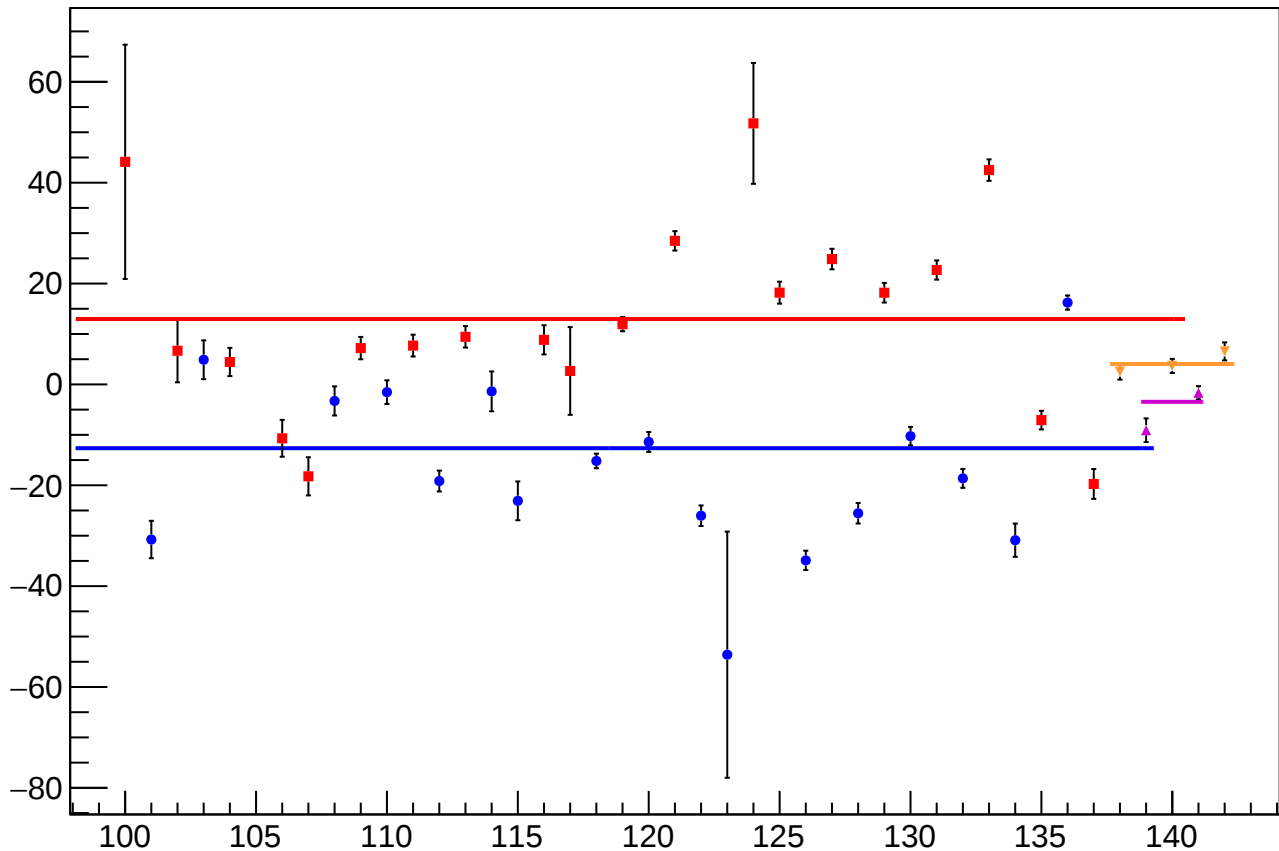
Left In: -0.280 ± 1.096 χ^2/NDF : 38.7/1

-28.865 ± 0.642 χ^2/NDF : 2969.5/19

-0.183 ± 0.465 χ^2/NDF : 9872.5/41

31.428 ± 0.674 χ^2/NDF : 2710.9/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

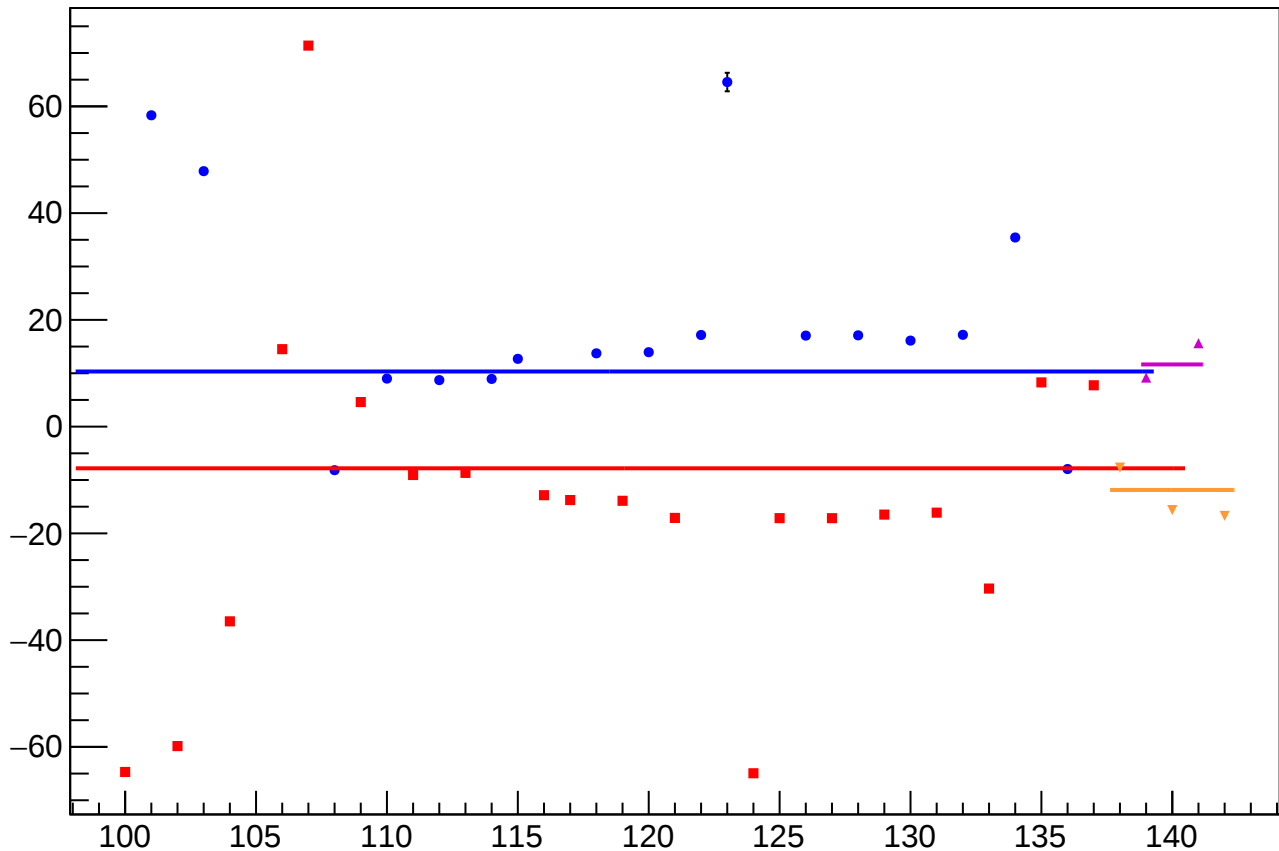
Left In: -3.450 ± 1.153 χ^2/NDF : 7.6/1

-8.308 ± 0.461 χ^2/NDF : 1043.3/19

0.383 ± 0.335 χ^2/NDF : 2689.7/41

10.045 ± 0.486 χ^2/NDF : 897.0/21

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 ± 0.031 $\chi^2/\text{NDF}: 380857.1/16$

Left Out: -11.867 ± 0.039 $\chi^2/\text{NDF}: 11477.5/2$

Right Out: -7.808 ± 0.031 $\chi^2/\text{NDF}: 544249.7/19$

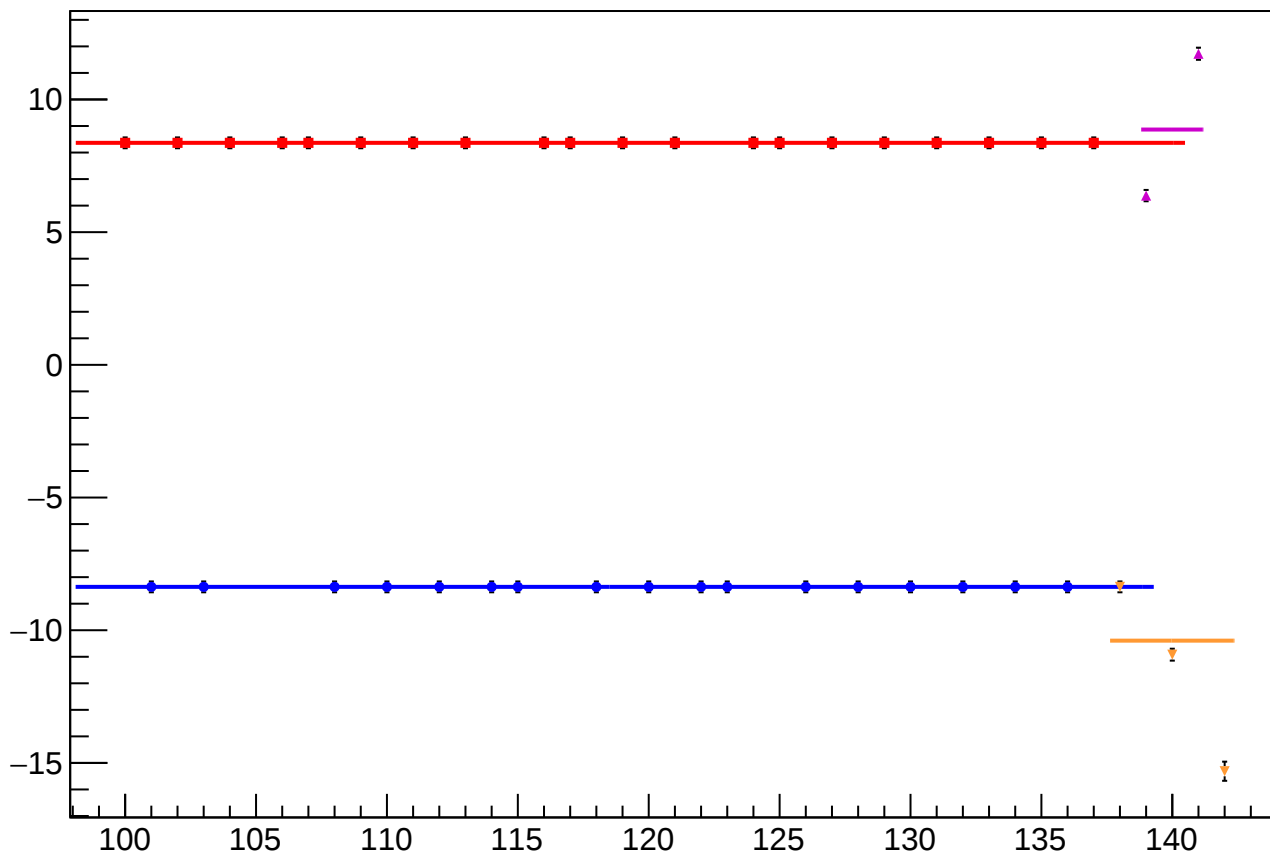
Left In: 11.650 ± 0.041 $\chi^2/\text{NDF}: 5900.0/1$

1.797 ± 0.024 $\chi^2/\text{NDF}: 593627.9/19$

0.636 ± 0.017 $\chi^2/\text{NDF}: 1292265.9/41$

-0.596 ± 0.025 $\chi^2/\text{NDF}: 693842.2/21$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

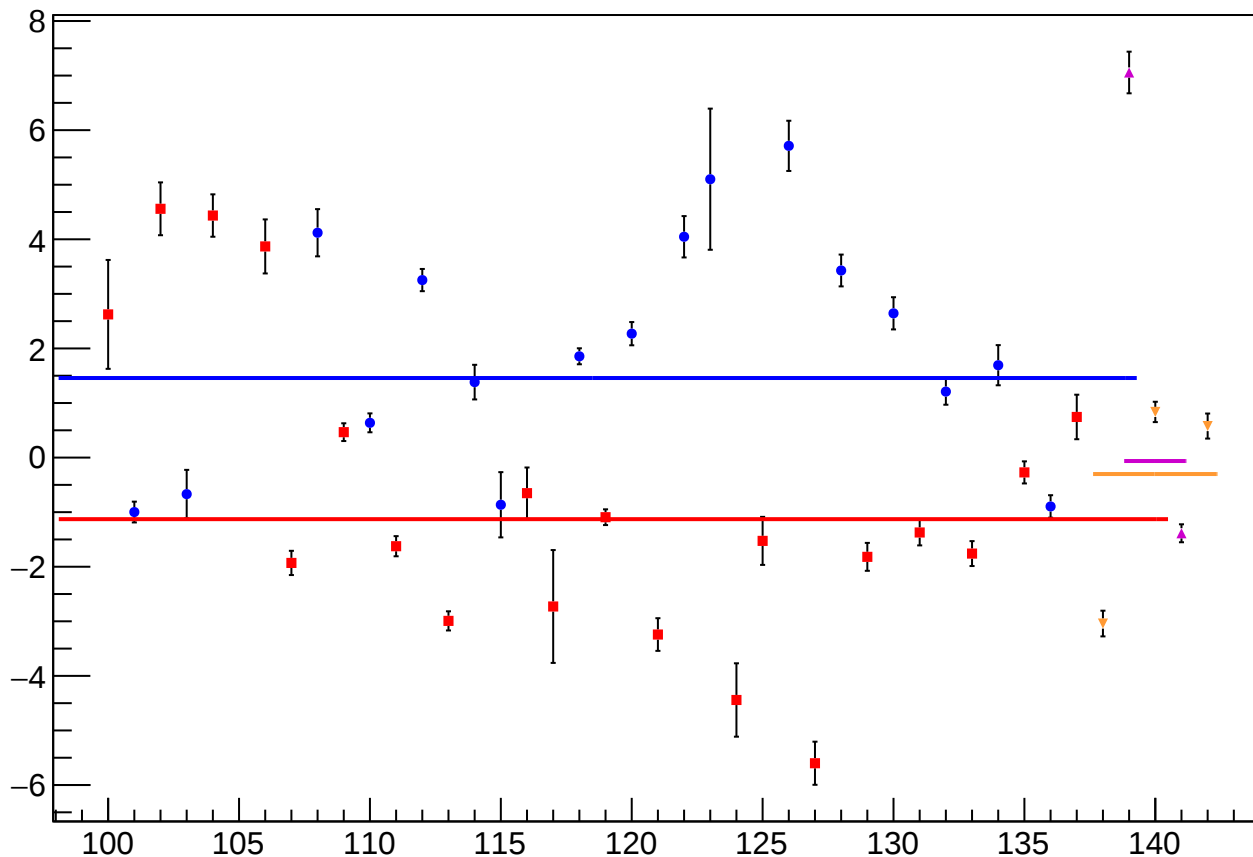
Left In: 8.867+/-0.156 χ^2/NDF : 291.7/1

-8.594+/-0.047 χ^2/NDF : 476.6/19

0.440+/-0.032 χ^2/NDF : 70872.3/41

8.406+/-0.044 χ^2/NDF : 301.2/21

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: -0.301 ± 0.123 χ^2/NDF : 187.4/2

Right Out: -1.128 ± 0.058 χ^2/NDF : 949.8/19

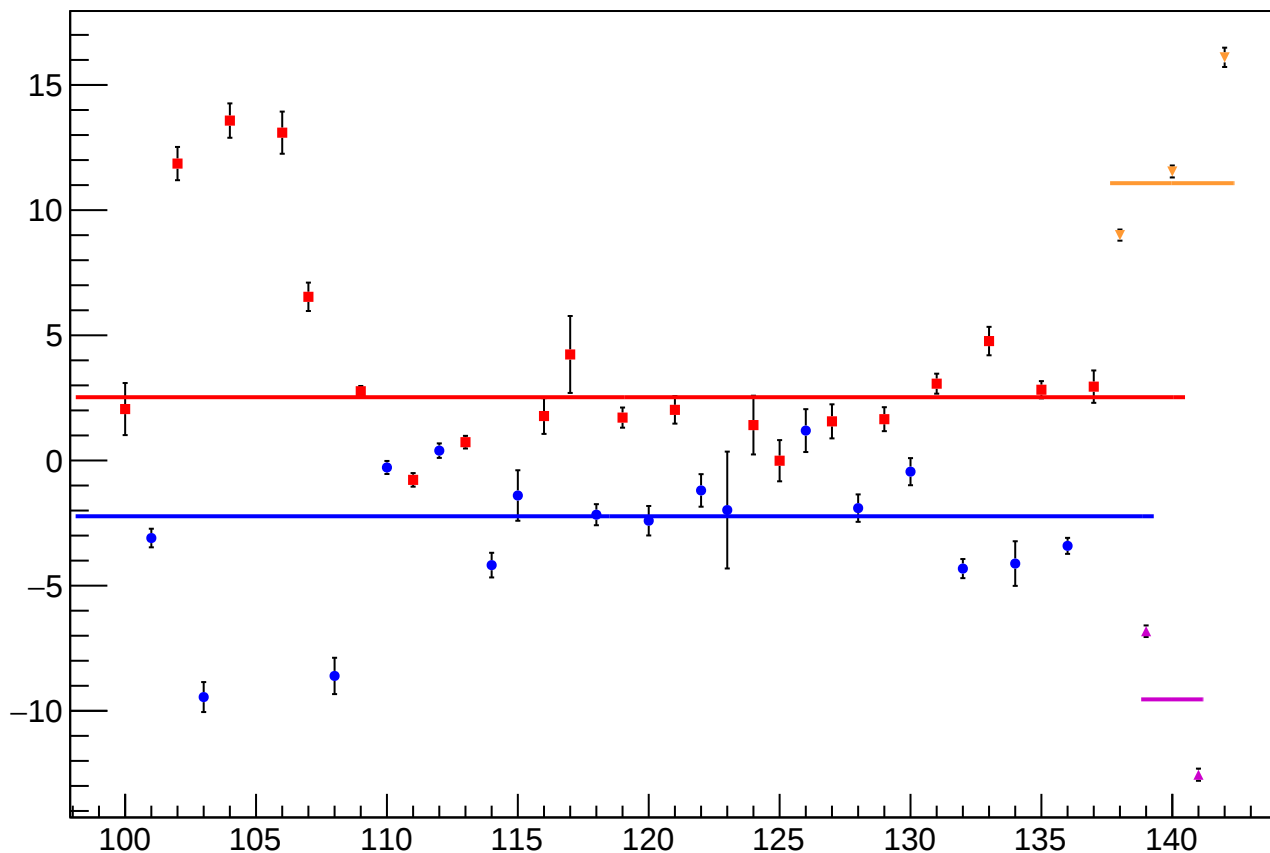
Left In: -0.063 ± 0.151 χ^2/NDF : 413.0/1

1.103 ± 0.055 χ^2/NDF : 1048.2/19

0.033 ± 0.039 χ^2/NDF : 3186.1/41

-0.991 ± 0.054 χ^2/NDF : 1406.1/21

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



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

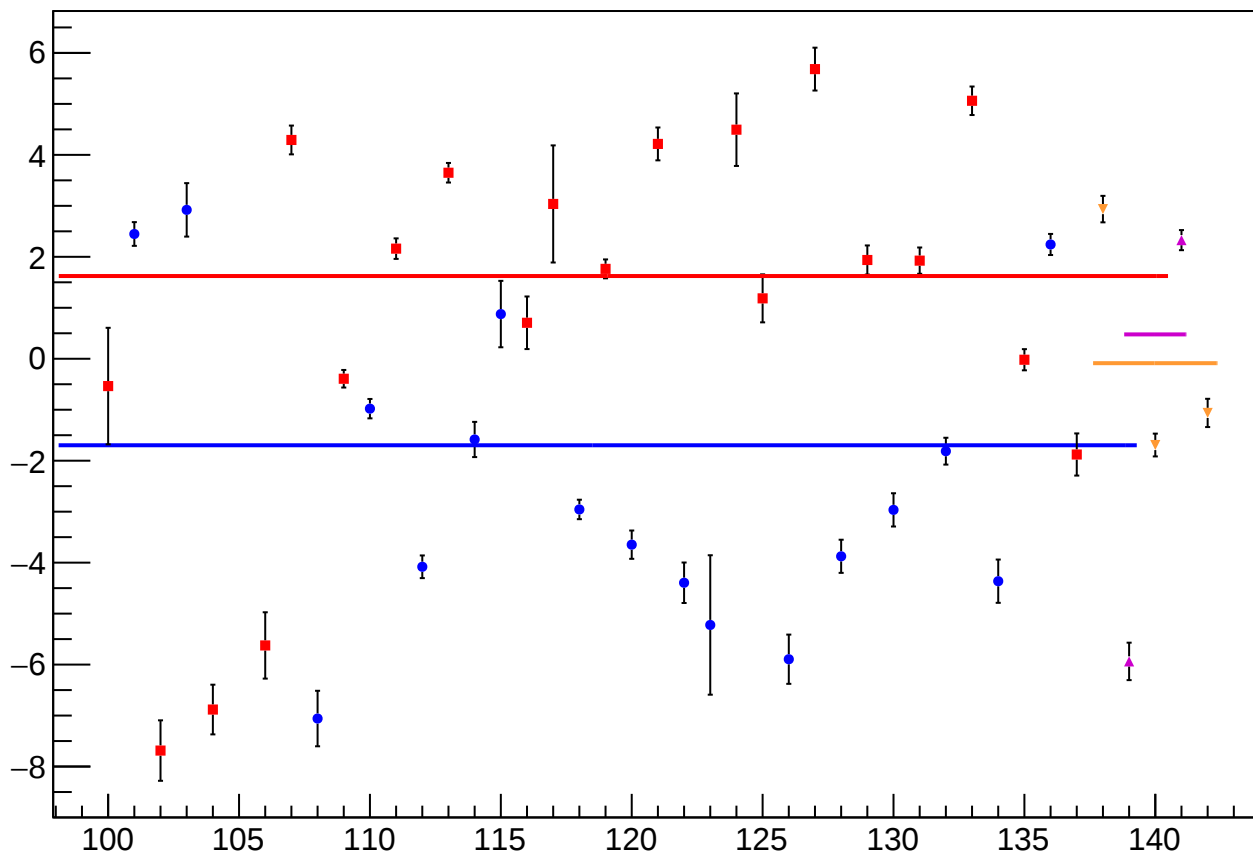
Left In: -9.543 ± 0.168 χ^2/NDF : 291.3/1

2.488 ± 0.089 χ^2/NDF : 5789.0/19

0.877 ± 0.062 χ^2/NDF : 11450.6/41

-0.582 ± 0.085 χ^2/NDF : 5043.2/21

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -0.087 ± 0.145 χ^2/NDF : 199.3/2

Right Out: 1.623 ± 0.066 χ^2/NDF : 1490.8/19

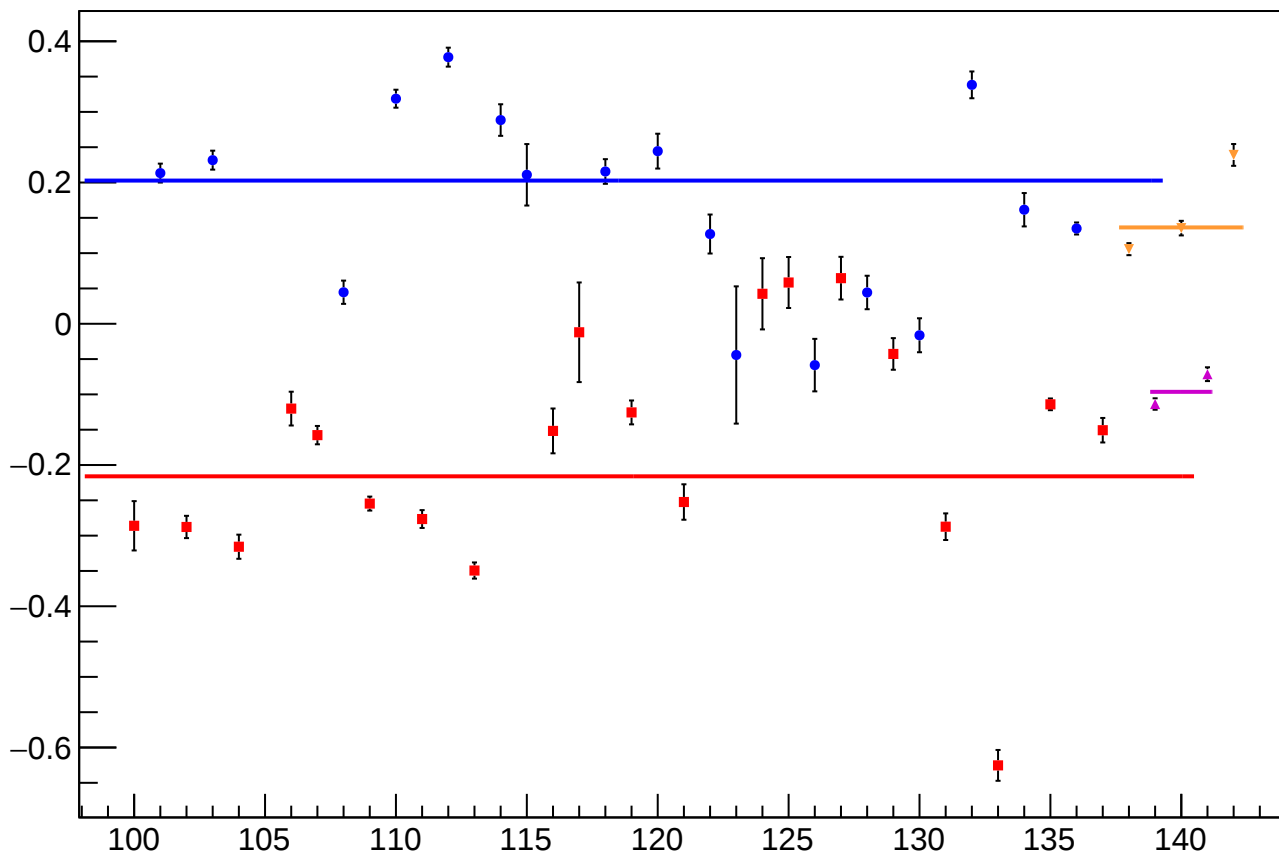
Left In: 0.478 ± 0.174 χ^2/NDF : 393.1/1

-1.384 ± 0.064 χ^2/NDF : 1618.6/19

0.105 ± 0.044 χ^2/NDF : 4587.5/41

1.480 ± 0.061 χ^2/NDF : 1921.9/21

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



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

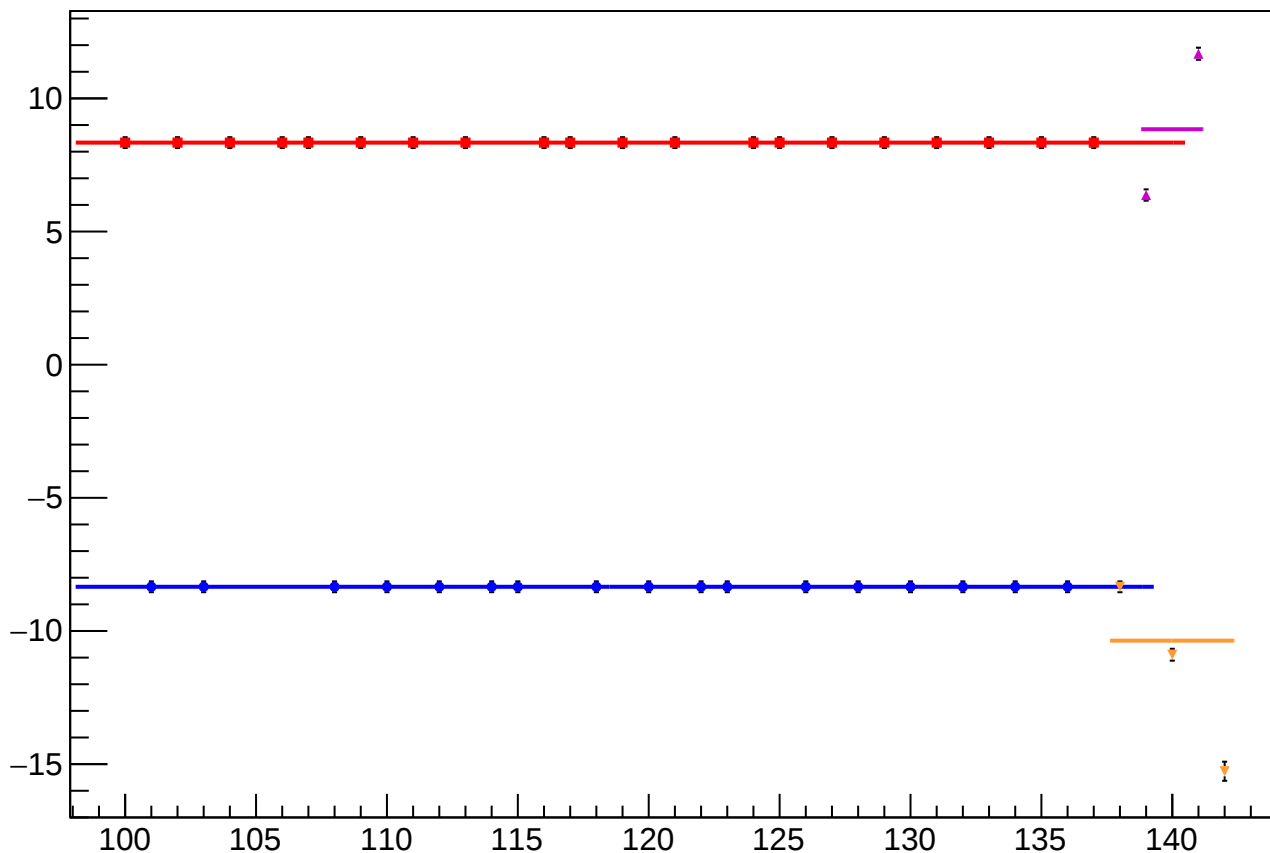
Left In: -0.096 $\pm$ 0.006 χ^2 /NDF: 11.1/1

0.182 $\pm$ 0.003 χ^2 /NDF: 815.3/19

-0.015 $\pm$ 0.002 χ^2 /NDF: 8324.6/41

-0.185 $\pm$ 0.003 χ^2 /NDF: 1355.9/21

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

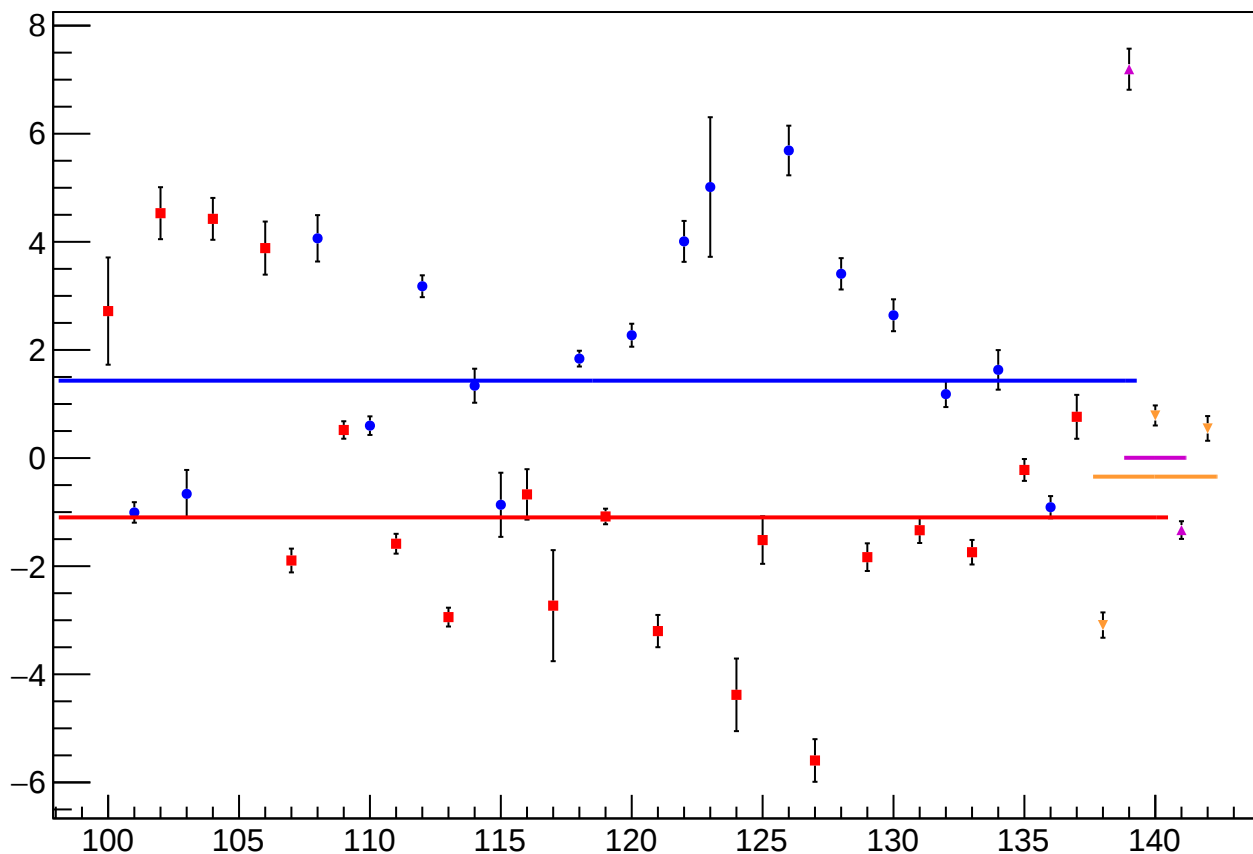
Left In: 8.842+/-0.155 χ^2 /NDF:290.0/1

-8.568+/-0.047 χ^2 /NDF: 478.7/19

0.439+/-0.032 χ^2 /NDF: 71038.9/41

8.380+/-0.044 χ^2 /NDF: 299.6/21

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 $\chi^2/\text{NDF}: 696.6/16$

Left Out: -0.344 ± 0.123 $\chi^2/\text{NDF}: 189.7/2$

Right Out: -1.098 ± 0.058 $\chi^2/\text{NDF}: 955.7/19$

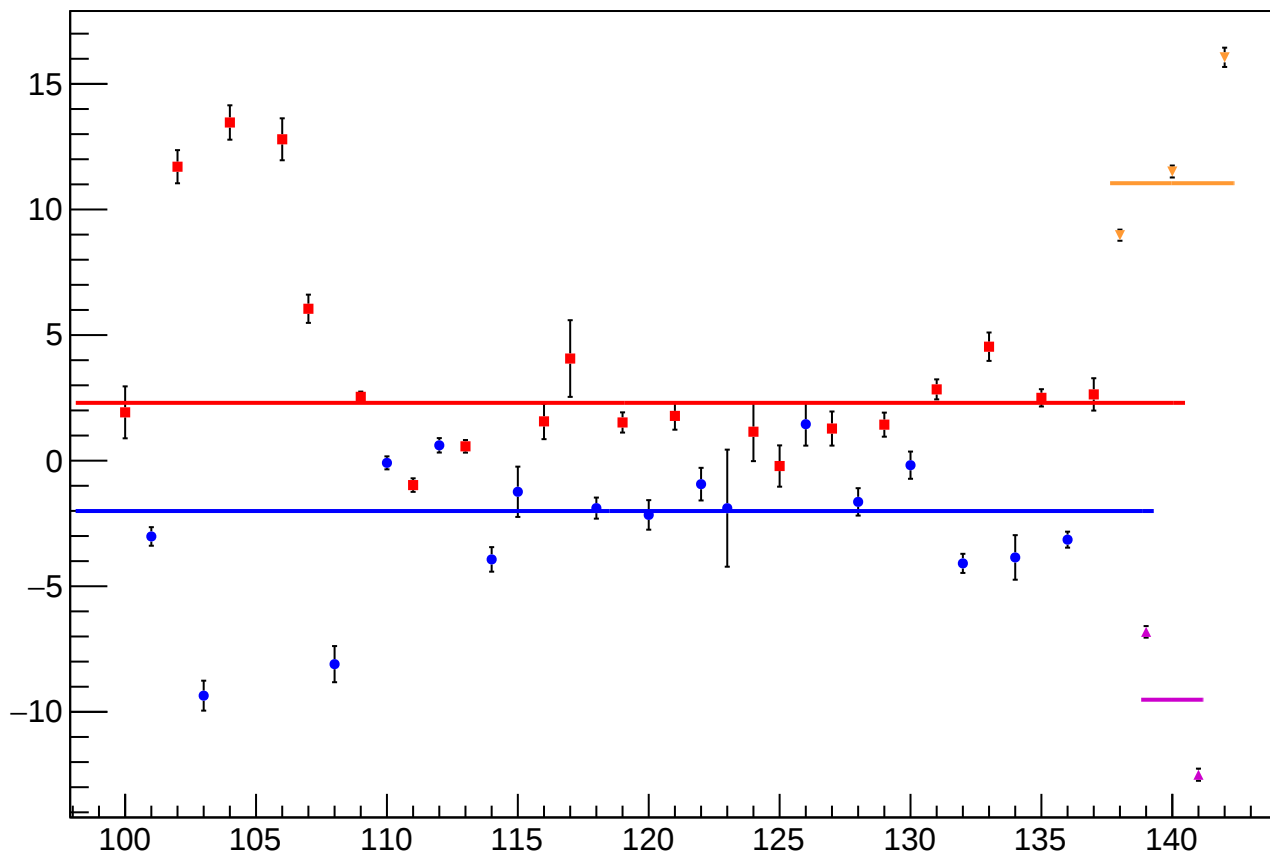
Left In: 0.005 ± 0.150 $\chi^2/\text{NDF}: 424.7/1$

1.074 ± 0.055 $\chi^2/\text{NDF}: 1053.5/19$

0.037 ± 0.039 $\chi^2/\text{NDF}: 3173.9/41$

-0.956 ± 0.054 $\chi^2/\text{NDF}: 1427.2/21$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



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

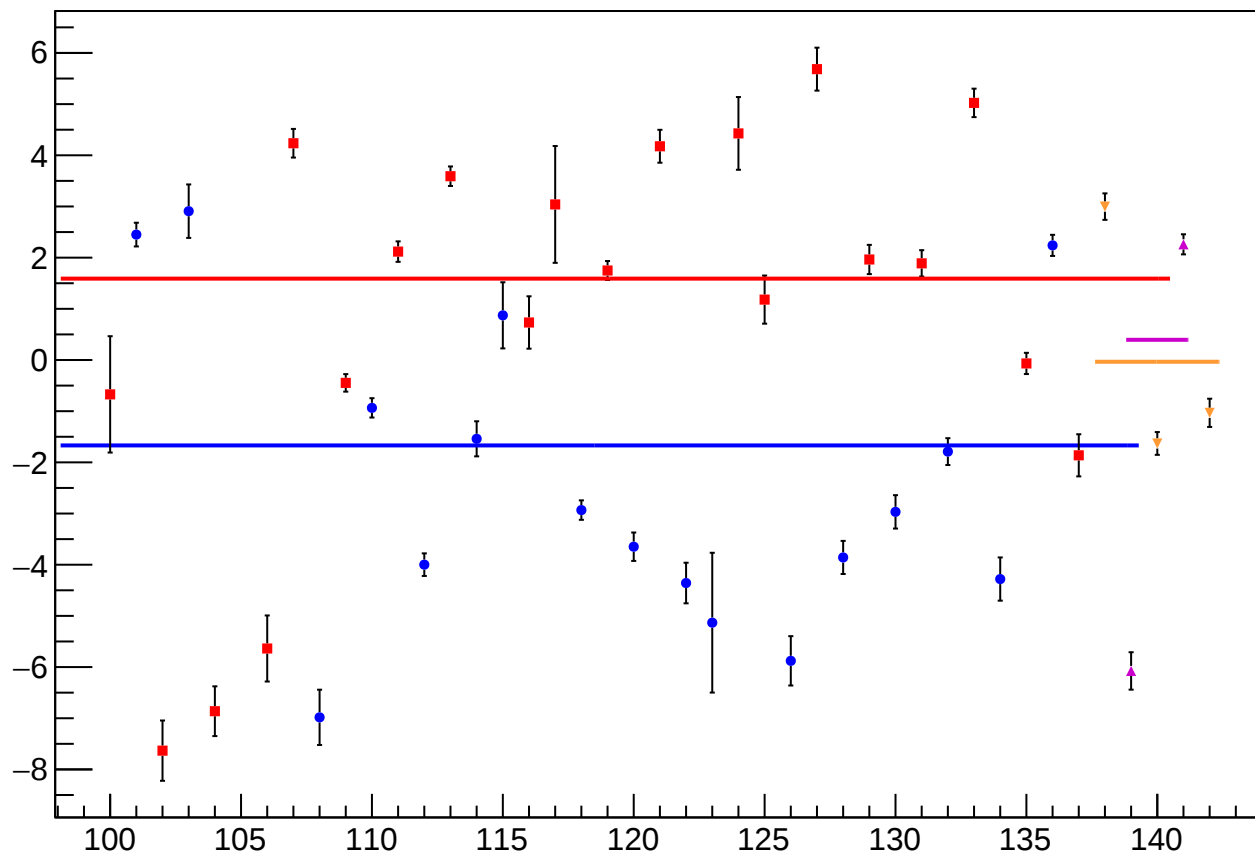
Left In: -9.517 ± 0.167 χ^2/NDF : 289.3/1

2.618 ± 0.089 χ^2/NDF : 5646.6/19

0.857 ± 0.061 χ^2/NDF : 11313.2/41

-0.738 ± 0.085 χ^2/NDF : 4920.0/21

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



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

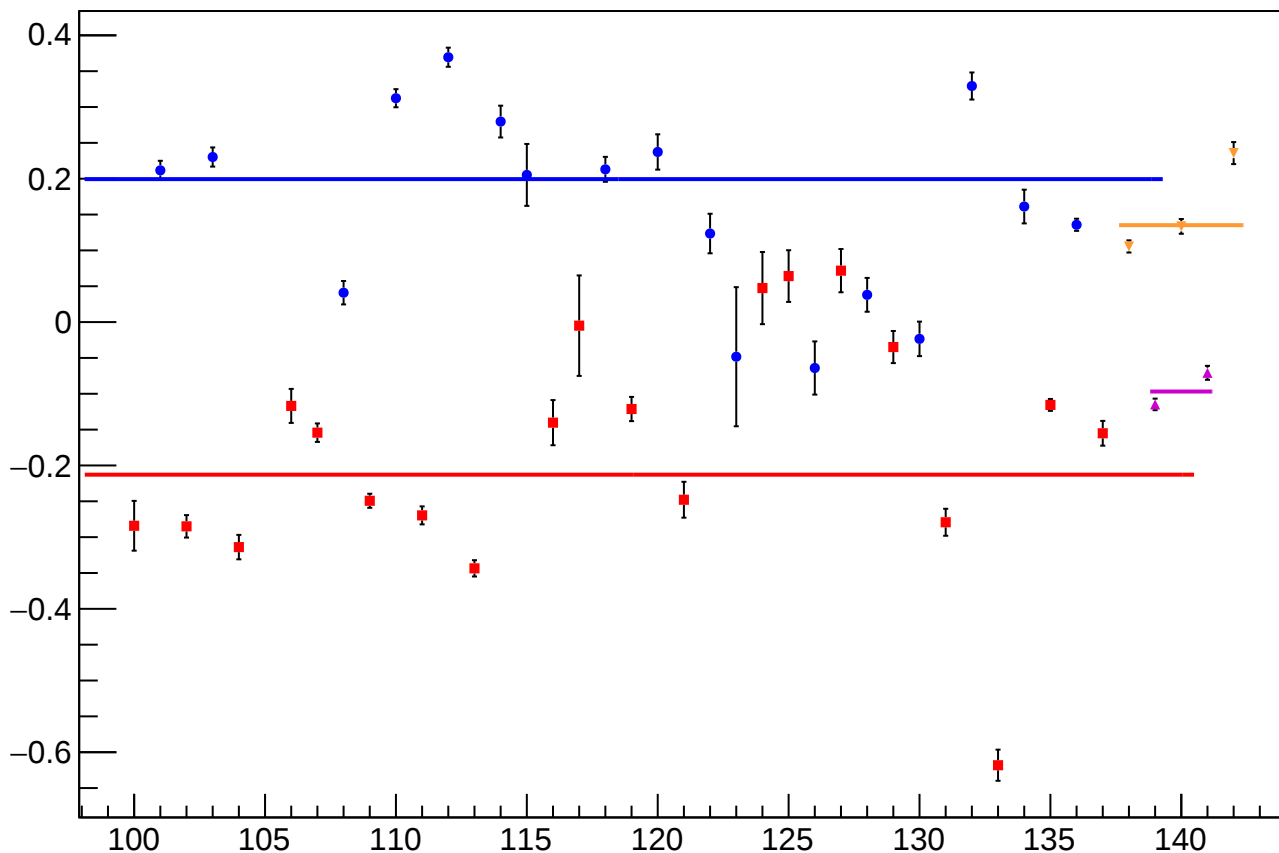
Left In: 0.395 ± 0.173 χ^2/NDF : 403.4/1

-1.351 ± 0.064 χ^2/NDF : 1620.7/19

0.100 ± 0.044 χ^2/NDF : 4566.5/41

1.441 ± 0.061 χ^2/NDF : 1941.6/21

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



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

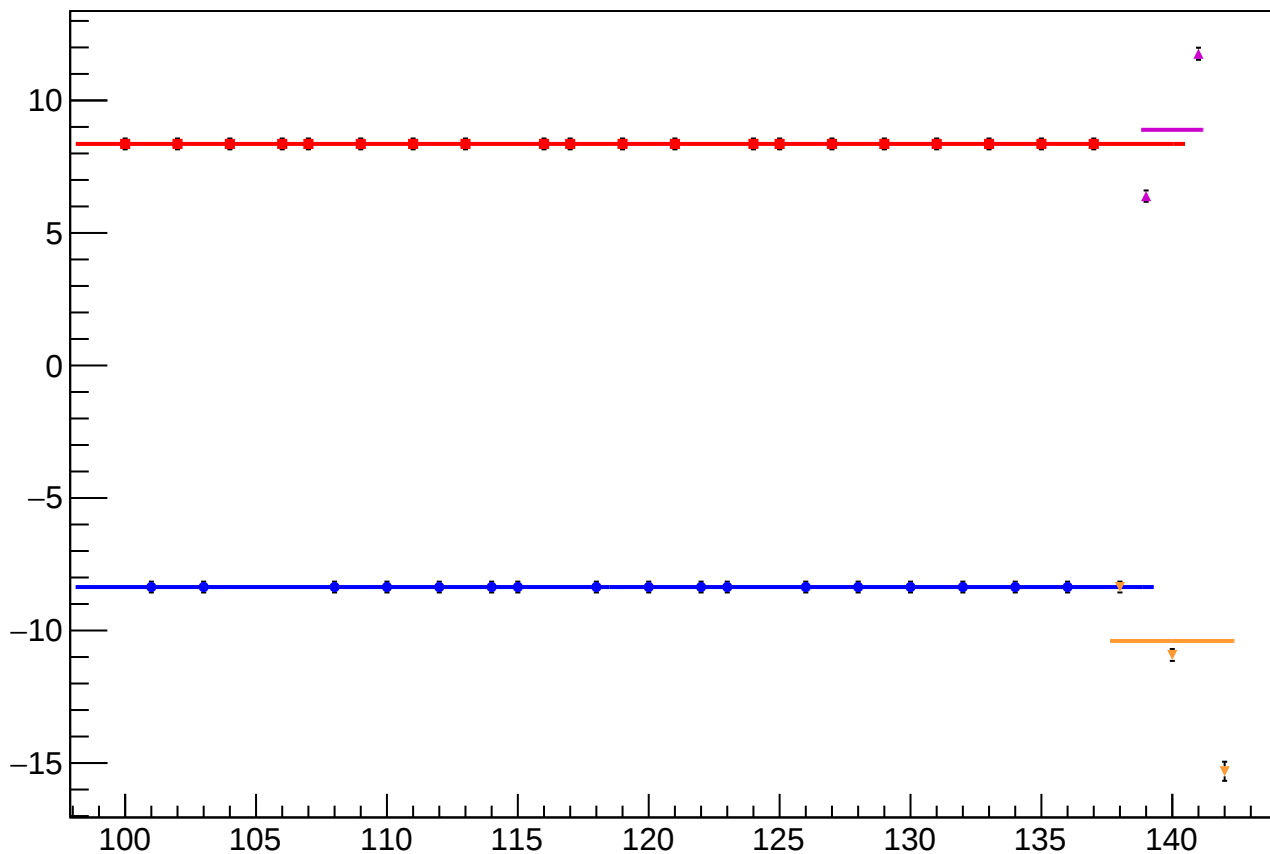
Left In: -0.097 $\pm$ 0.006 χ^2/NDF : 12.1/1

0.179 $\pm$ 0.003 χ^2/NDF : 794.3/19

-0.015 $\pm$ 0.002 χ^2/NDF : 8170.5/41

-0.183 $\pm$ 0.003 χ^2/NDF : 1327.2/21

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.360+/-0.050 χ^2/NDF : 0.0/16

Left Out: -10.393+/-0.140 χ^2/NDF : 290.5/2

Right Out: 8.360+/-0.046 χ^2/NDF : 0.0/19

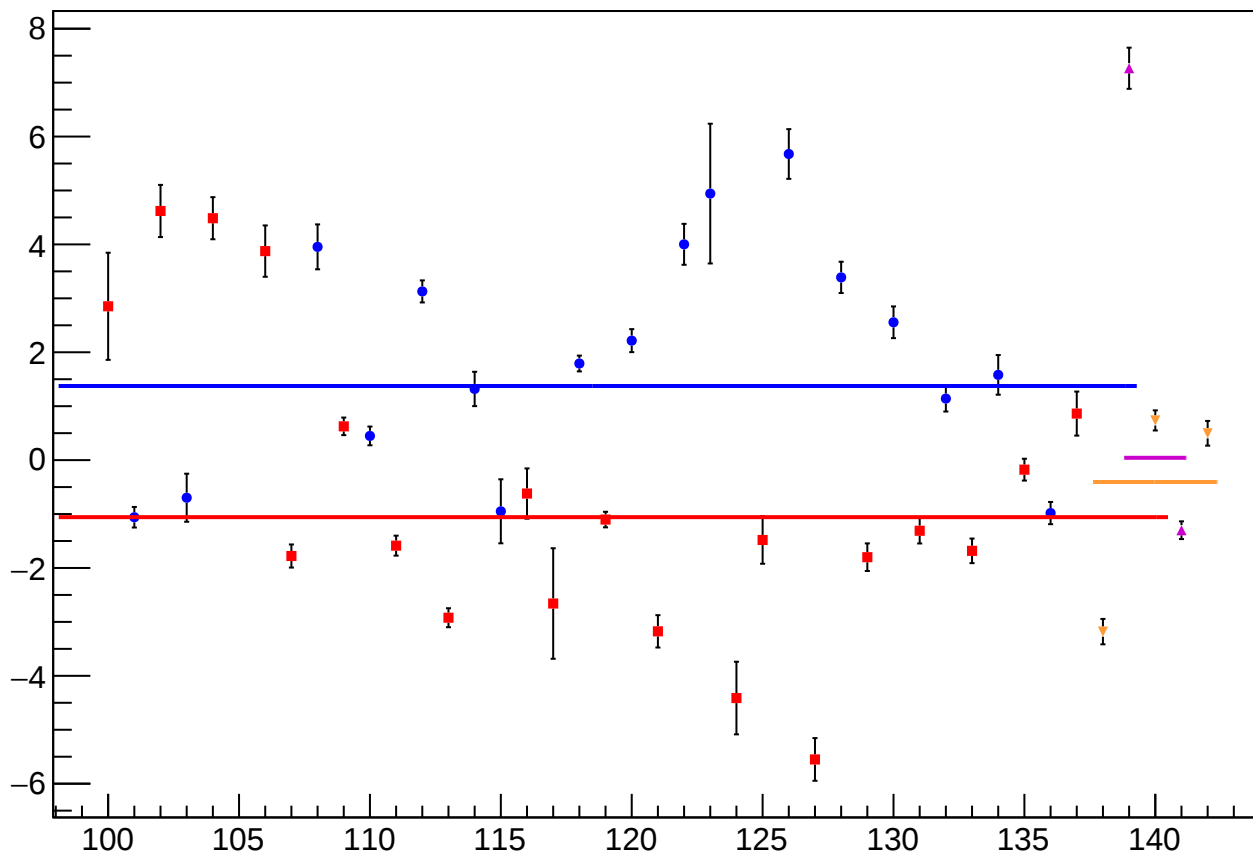
Left In: 8.892+/-0.156 χ^2/NDF : 294.9/1

-8.589+/-0.047 χ^2/NDF : 478.6/19

0.441+/-0.032 χ^2/NDF : 70728.3/41

8.402+/-0.044 χ^2/NDF : 305.6/21

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: -0.405 $\pm$ 0.123 χ^2 /NDF:191.8/2

Right Out: -1.058 $\pm$ 0.058 χ^2 /NDF: 966.5/19

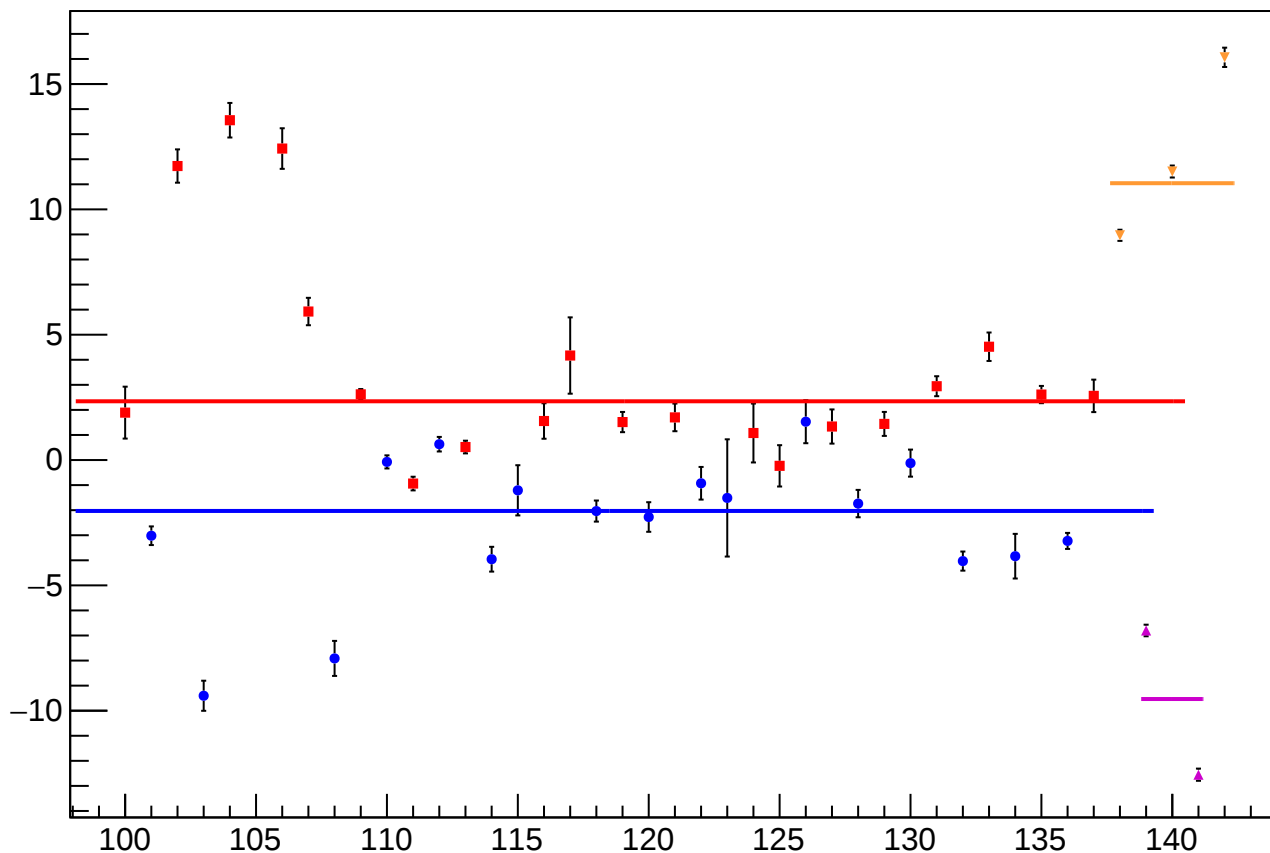
Left In: 0.043 $\pm$ 0.151 χ^2 /NDF:425.2/1

1.016 $\pm$ 0.055 χ^2 /NDF: 1060.7/19

0.027 $\pm$ 0.039 χ^2 /NDF: 3122.4/41

-0.917 $\pm$ 0.054 χ^2 /NDF: 1437.9/21

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



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

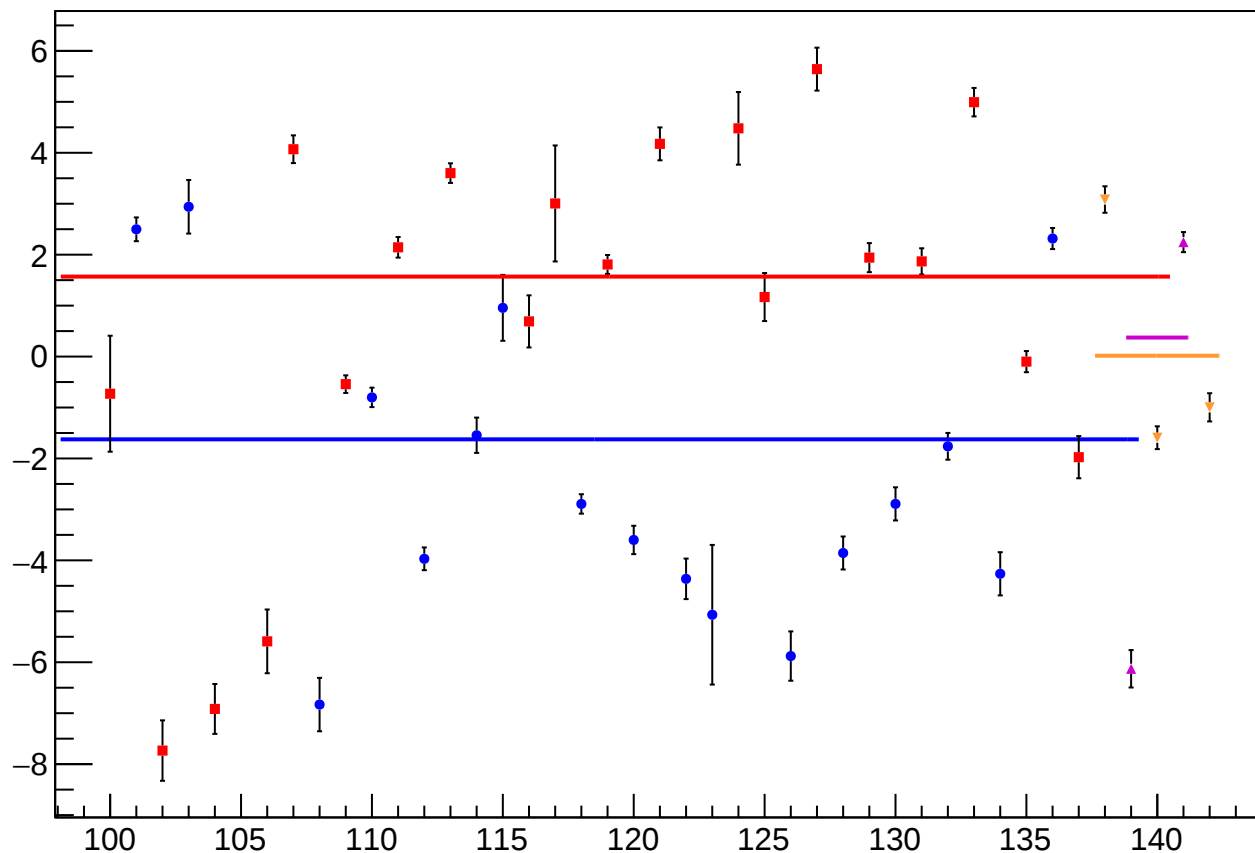
Left In: -9.534 ± 0.168 χ^2/NDF : 293.7/1

2.604 ± 0.089 χ^2/NDF : 5615.7/19

0.862 ± 0.062 χ^2/NDF : 11261.9/41

-0.714 ± 0.085 χ^2/NDF : 4923.5/21

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



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

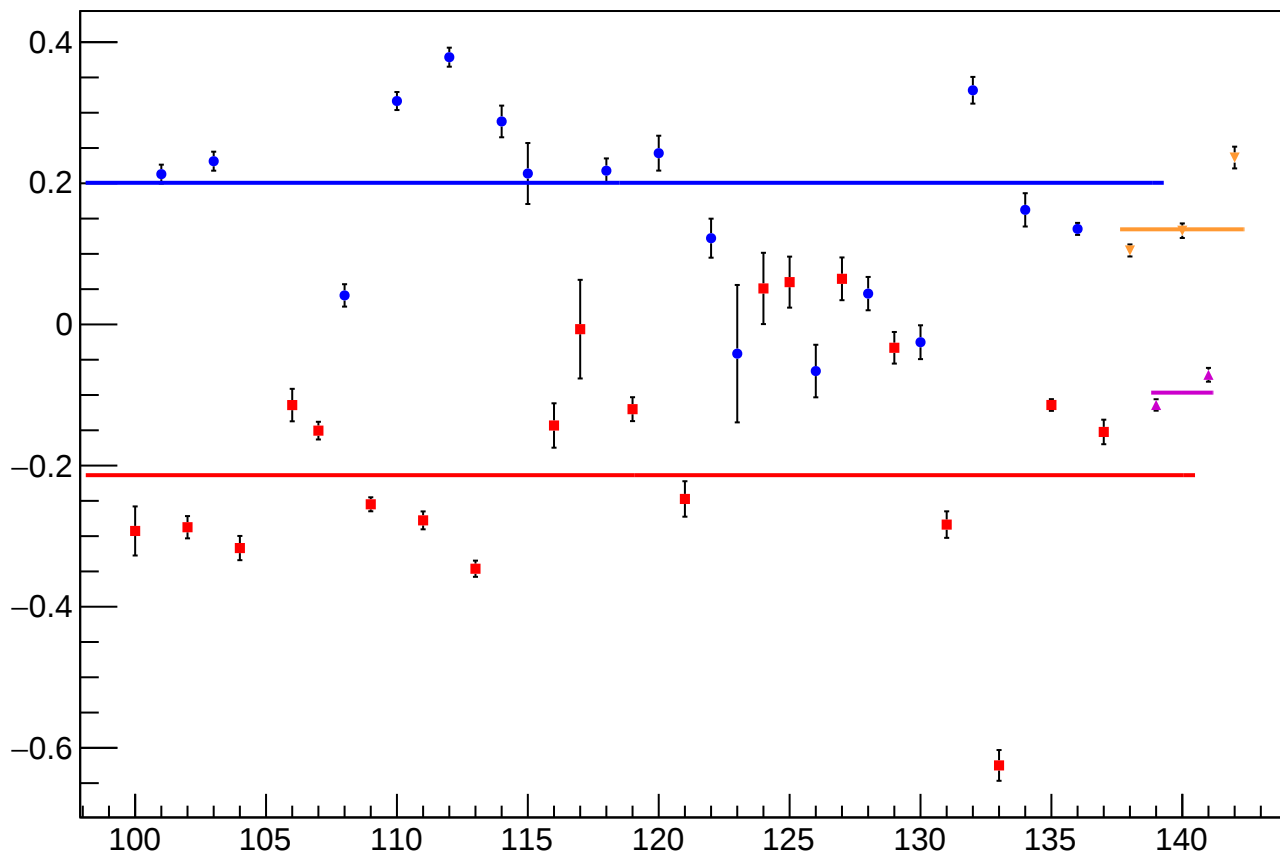
Left In: 0.373 ± 0.174 χ^2/NDF : 403.8/1

-1.305 ± 0.064 χ^2/NDF : 1628.8/19

0.113 ± 0.044 χ^2/NDF : 4530.9/41

1.421 ± 0.061 χ^2/NDF : 1952.7/21

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



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

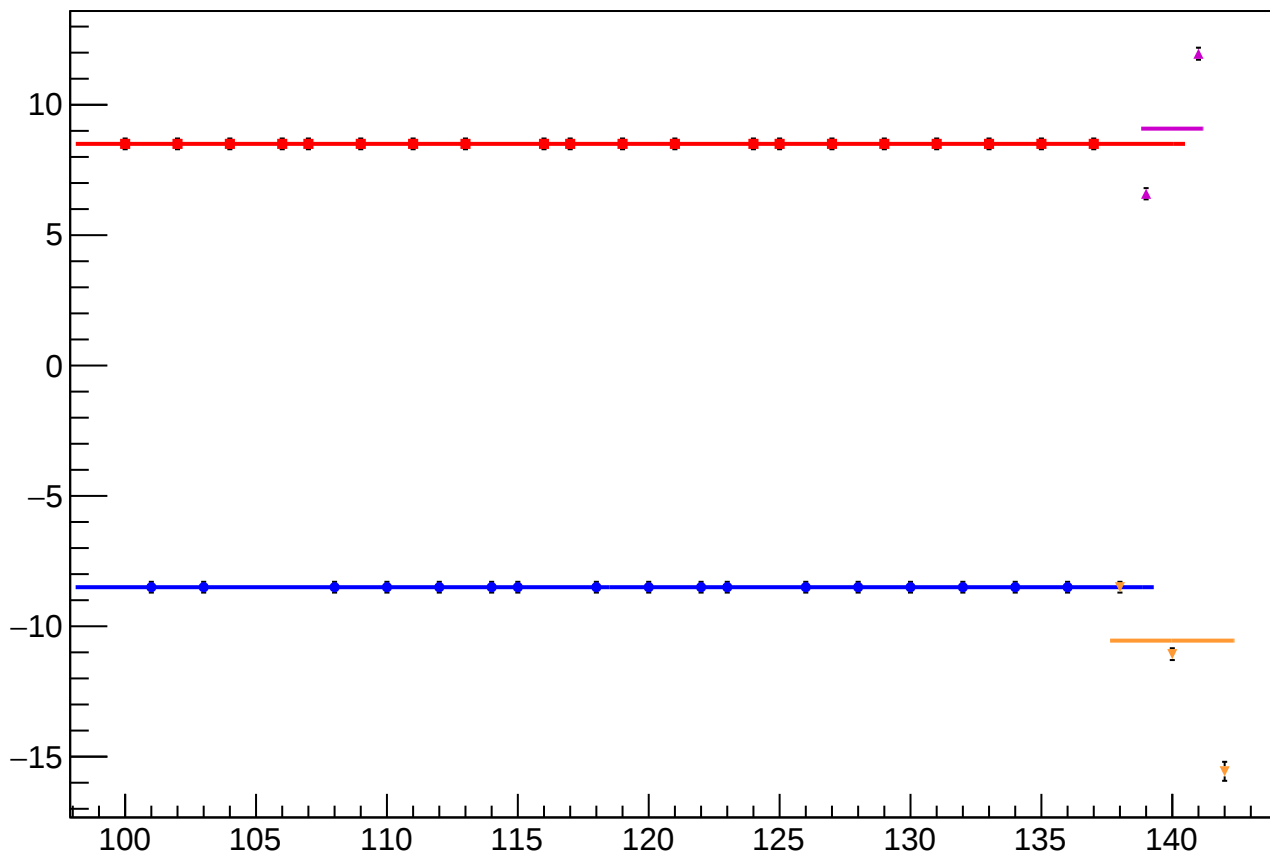
Left In: -0.097 $\pm$ 0.006 χ^2/NDF : 11.3/1

0.180 $\pm$ 0.003 χ^2/NDF : 827.1/19

-0.016 $\pm$ 0.002 χ^2/NDF : 8244.5/41

-0.183 $\pm$ 0.003 χ^2/NDF : 1361.0/21

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.501 ± 0.050 χ^2 /NDF: 0.0/16

Left Out: -10.550 ± 0.141 χ^2 /NDF: 293.1/2

Right Out: 8.501 ± 0.046 χ^2 /NDF: 0.0/19

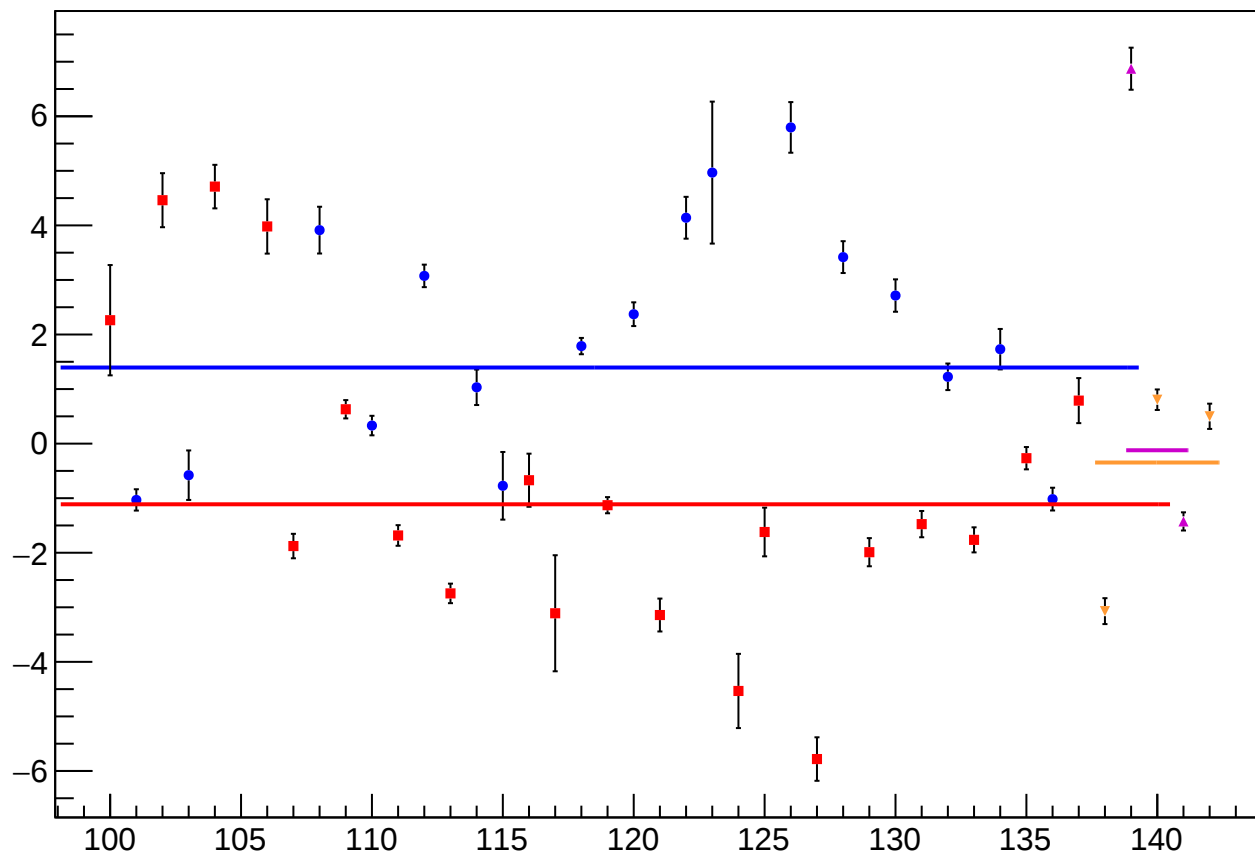
Left In: 9.086 ± 0.158 χ^2 /NDF: 287.9/1

-8.732 ± 0.047 χ^2 /NDF: 480.7/19

0.450 ± 0.032 χ^2 /NDF: 71840.5/41

8.547 ± 0.044 χ^2 /NDF: 300.5/21

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 0.063 $\chi^2/\text{NDF}: 701.4/16$

Left Out: -0.346 ± 0.124 $\chi^2/\text{NDF}: 182.4/2$

Right Out: -1.112 ± 0.059 $\chi^2/\text{NDF}: 940.5/19$

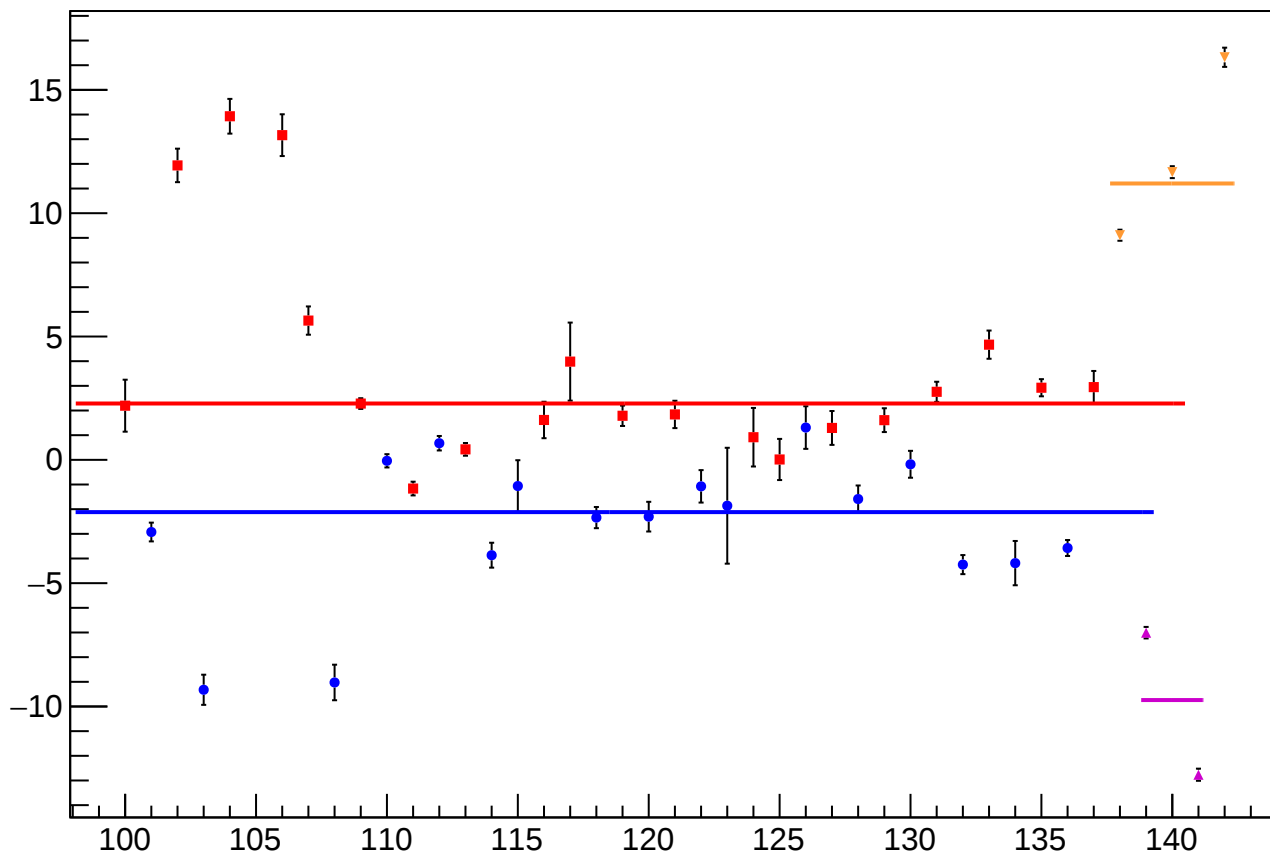
Left In: -0.121 ± 0.153 $\chi^2/\text{NDF}: 390.4/1$

1.039 ± 0.056 $\chi^2/\text{NDF}: 1039.6/19$

0.008 ± 0.039 $\chi^2/\text{NDF}: 3065.9/41$

-0.983 ± 0.055 $\chi^2/\text{NDF}: 1367.4/21$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 11.205 ± 0.152 $\chi^2/\text{NDF}: 263.6/2$

Right Out: 2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

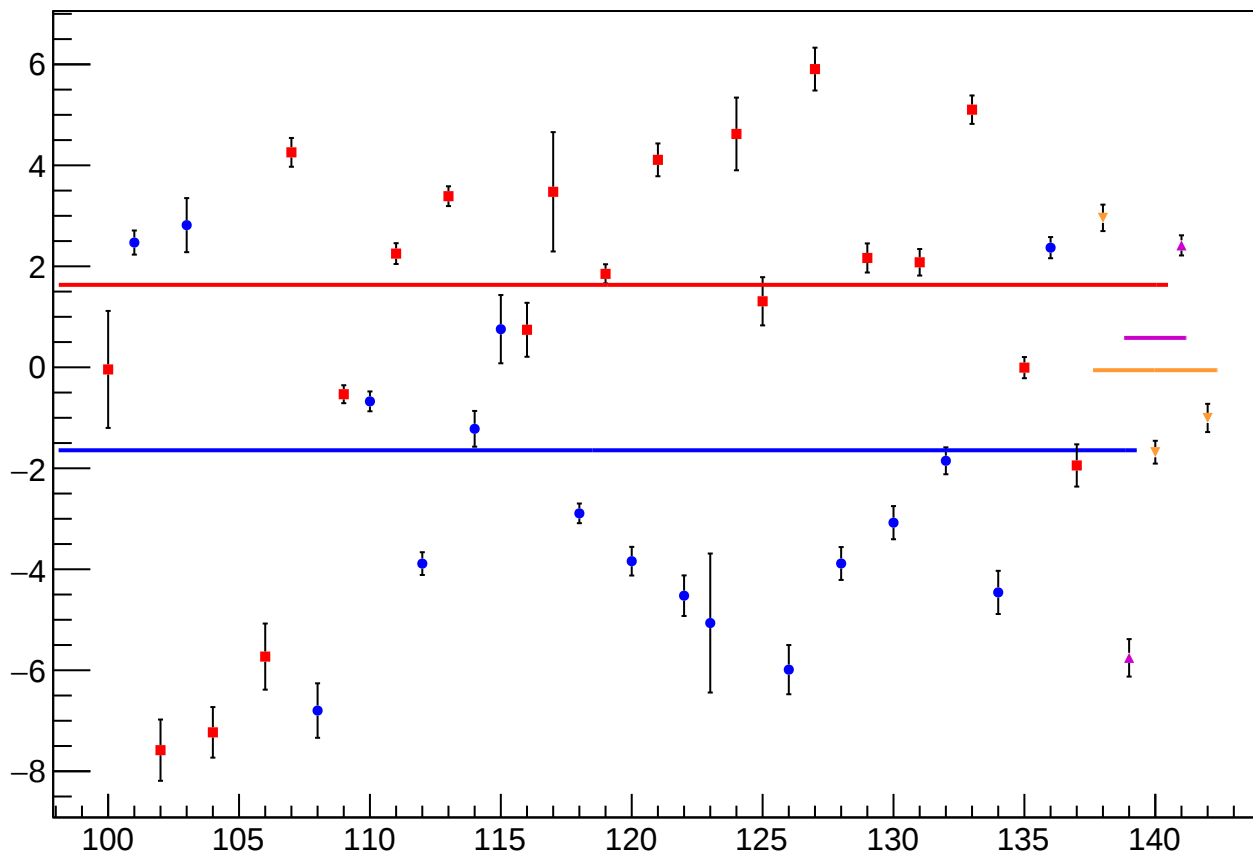
Left In: -9.739 ± 0.170 $\chi^2/\text{NDF}: 287.6/1$

2.656 ± 0.091 $\chi^2/\text{NDF}: 5706.5/19$

0.819 ± 0.063 $\chi^2/\text{NDF}: 11412.0/41$

-0.856 ± 0.087 $\chi^2/\text{NDF}: 4921.9/21$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643 ± 0.072 $\chi^2/\text{NDF}: 1310.1/16$

Left Out: -0.057 ± 0.146 $\chi^2/\text{NDF}: 195.7/2$

Right Out: 1.633 ± 0.067 $\chi^2/\text{NDF}: 1470.6/19$

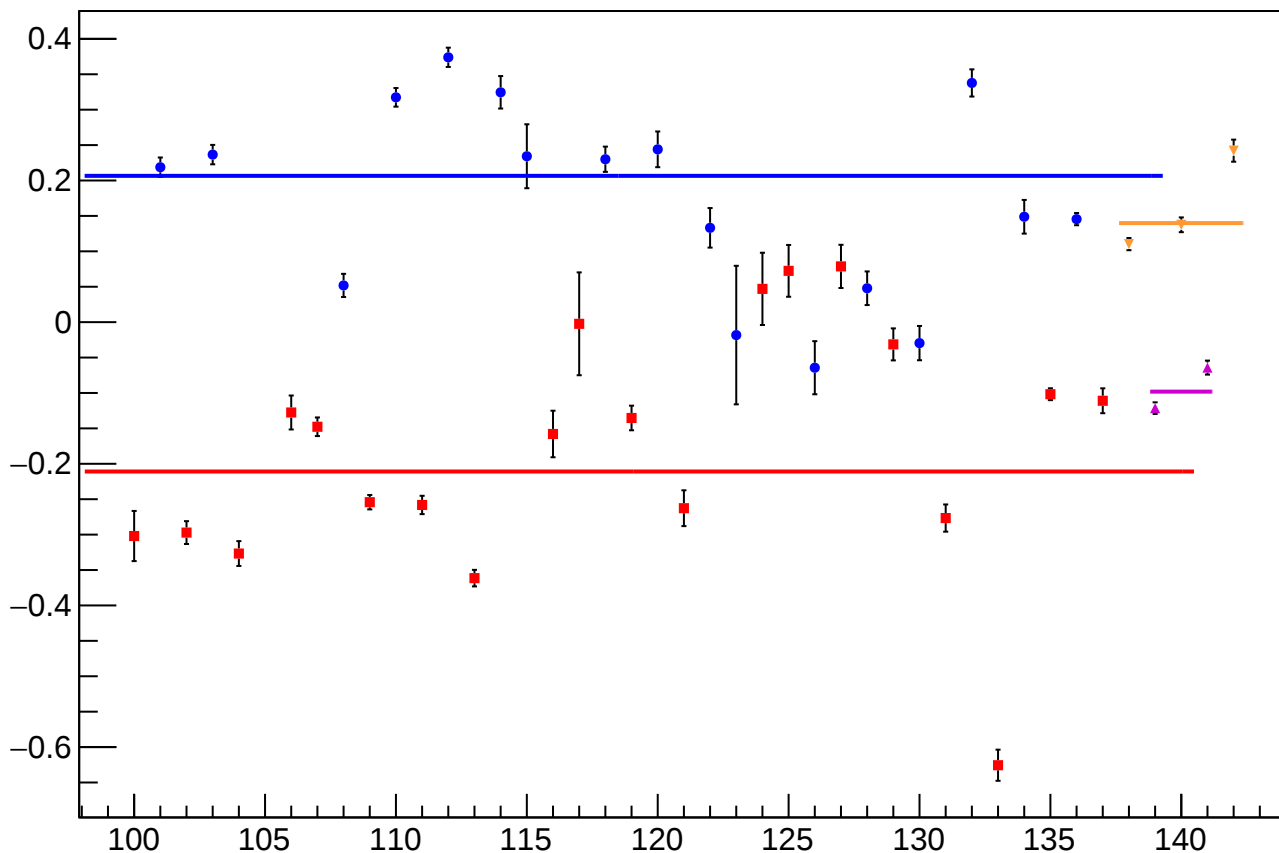
Left In: 0.583 ± 0.176 $\chi^2/\text{NDF}: 375.9/1$

-1.330 ± 0.065 $\chi^2/\text{NDF}: 1600.5/19$

0.138 ± 0.045 $\chi^2/\text{NDF}: 4466.8/41$

1.500 ± 0.062 $\chi^2/\text{NDF}: 1877.7/21$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



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

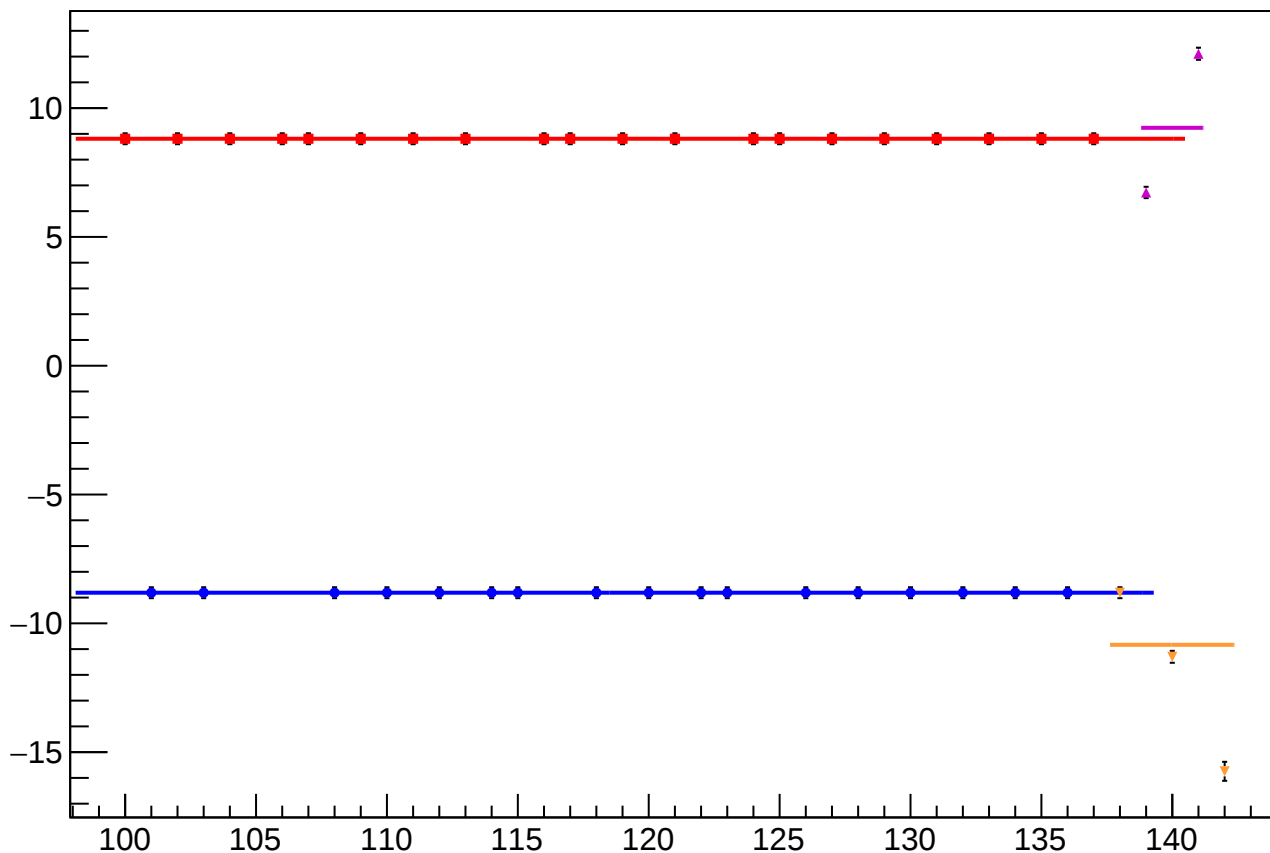
Left In: -0.098 $\pm$ 0.006 χ^2/NDF : 19.9/1

0.185 $\pm$ 0.003 χ^2/NDF : 790.6/19

-0.011 $\pm$ 0.002 χ^2/NDF : 8169.8/41

-0.181 $\pm$ 0.003 χ^2/NDF : 1409.5/21

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.811 $\pm$ 0.052 χ^2 /NDF: 0.0/16

Left Out: -10.833 $\pm$ 0.144 χ^2 /NDF: 271.9/2

Right Out: 8.811 $\pm$ 0.048 χ^2 /NDF: 0.0/19

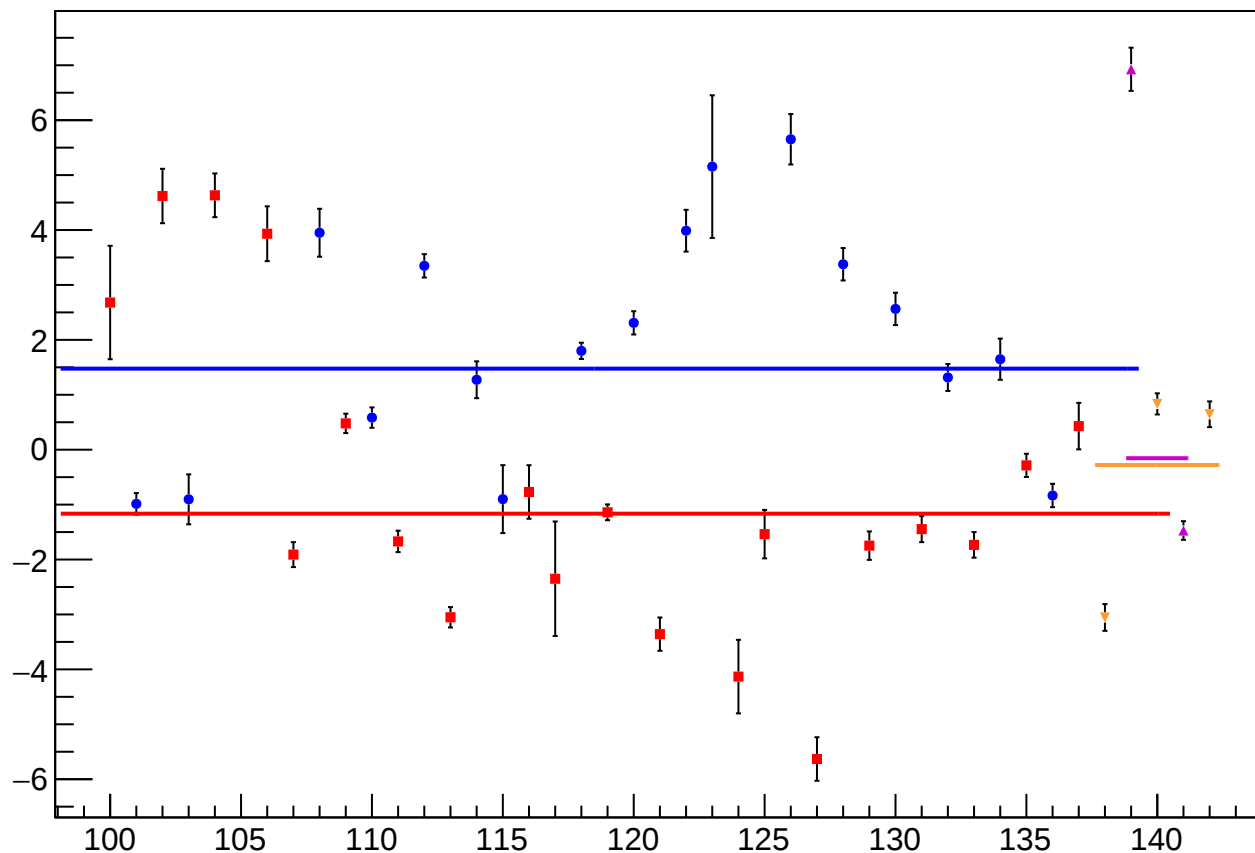
Left In: 9.235 $\pm$ 0.161 χ^2 /NDF: 278.2/1

-9.040 $\pm$ 0.049 χ^2 /NDF: 446.0/19

0.465 $\pm$ 0.033 χ^2 /NDF: 72834.7/41

8.845 $\pm$ 0.046 χ^2 /NDF: 284.6/21

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 ± 0.064 $\chi^2/\text{NDF}: 659.7/16$

Left Out: -0.279 ± 0.127 $\chi^2/\text{NDF}: 178.9/2$

Right Out: -1.165 ± 0.060 $\chi^2/\text{NDF}: 919.2/19$

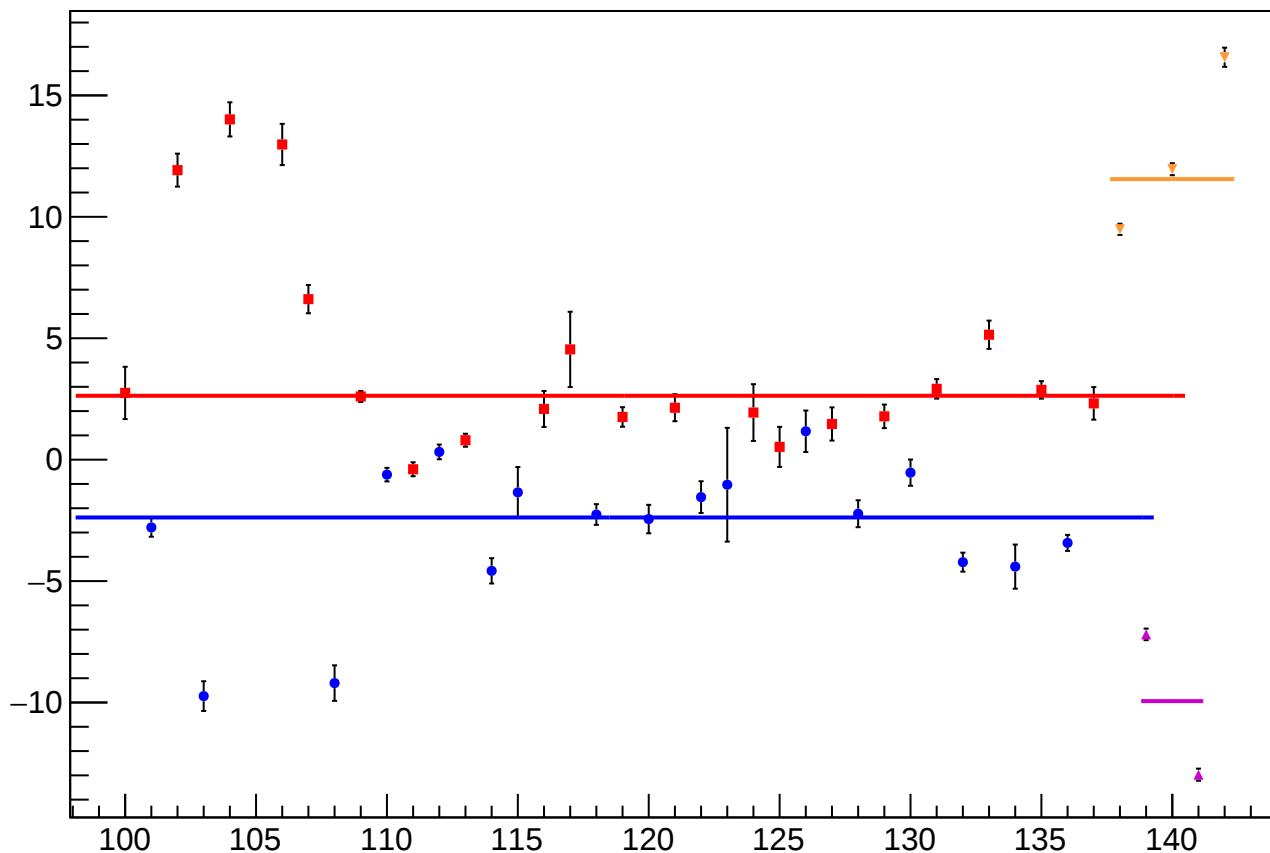
Left In: -0.155 ± 0.156 $\chi^2/\text{NDF}: 384.0/1$

1.124 ± 0.057 $\chi^2/\text{NDF}: 991.2/19$

0.025 ± 0.040 $\chi^2/\text{NDF}: 3064.6/41$

-1.035 ± 0.056 $\chi^2/\text{NDF}: 1339.8/21$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 11.555 ± 0.155 $\chi^2/\text{NDF}: 244.7/2$

Right Out: 2.631 ± 0.103 $\chi^2/\text{NDF}: 842.8/19$

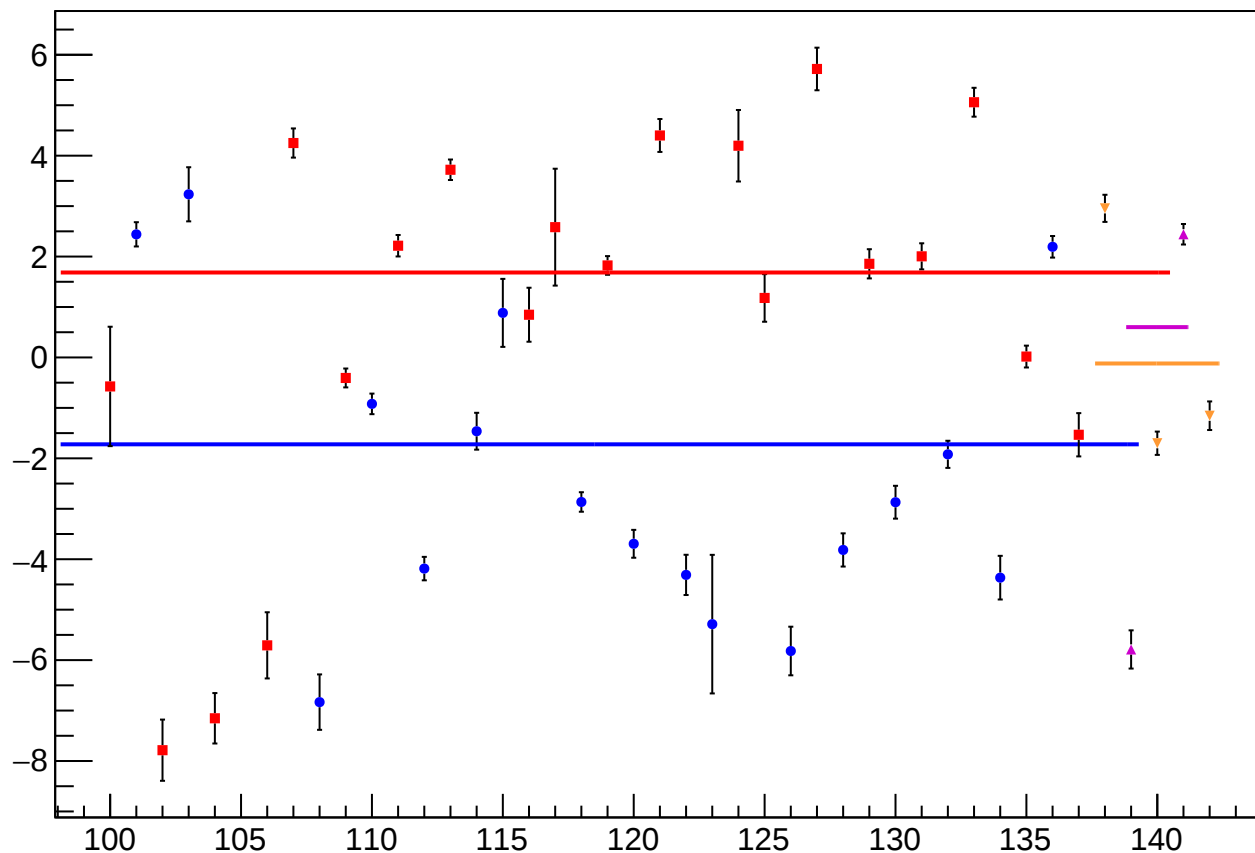
Left In: -9.942 ± 0.173 $\chi^2/\text{NDF}: 278.3/1$

2.560 ± 0.092 $\chi^2/\text{NDF}: 5886.3/19$

0.880 ± 0.064 $\chi^2/\text{NDF}: 11541.0/41$

-0.661 ± 0.089 $\chi^2/\text{NDF}: 5020.9/21$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722+/-0.073 χ^2/NDF : 1247.6/16

Left Out: -0.120+/-0.149 χ^2/NDF : 191.0/2

Right Out: 1.684+/-0.068 χ^2/NDF : 1431.6/19

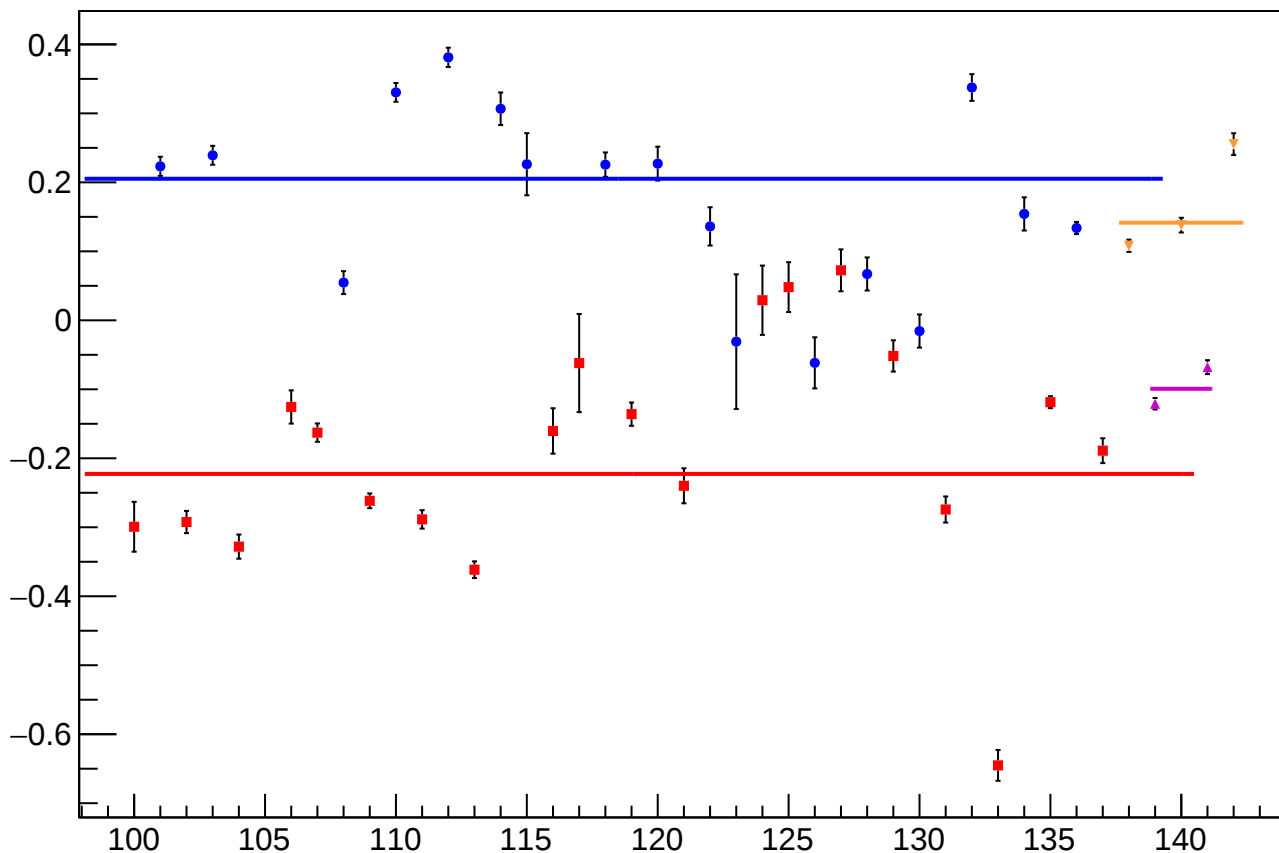
Left In: 0.601+/-0.179 χ^2/NDF : 366.5/1

-1.411+/-0.066 χ^2/NDF : 1531.7/19

0.119+/-0.046 χ^2/NDF : 4412.9/41

1.548+/-0.063 χ^2/NDF : 1830.1/21

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



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

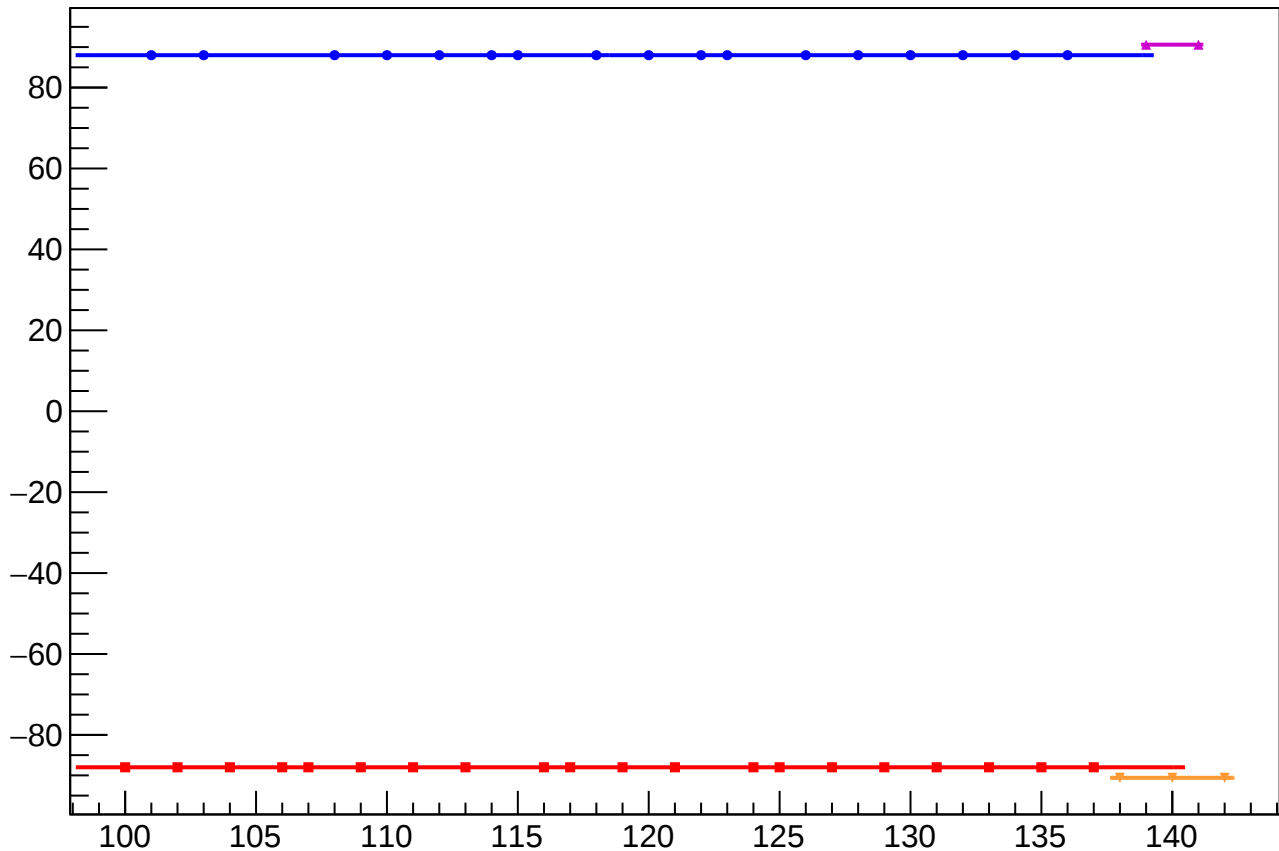
Left In: -0.099 ± 0.006 χ^2/NDF : 16.4/1

0.185 ± 0.004 χ^2/NDF : 787.3/19

-0.016 ± 0.002 χ^2/NDF : 8157.4/41

-0.190 ± 0.003 χ^2/NDF : 1333.3/21

VWienAngle_mean vs Slug, Sign Corrected



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

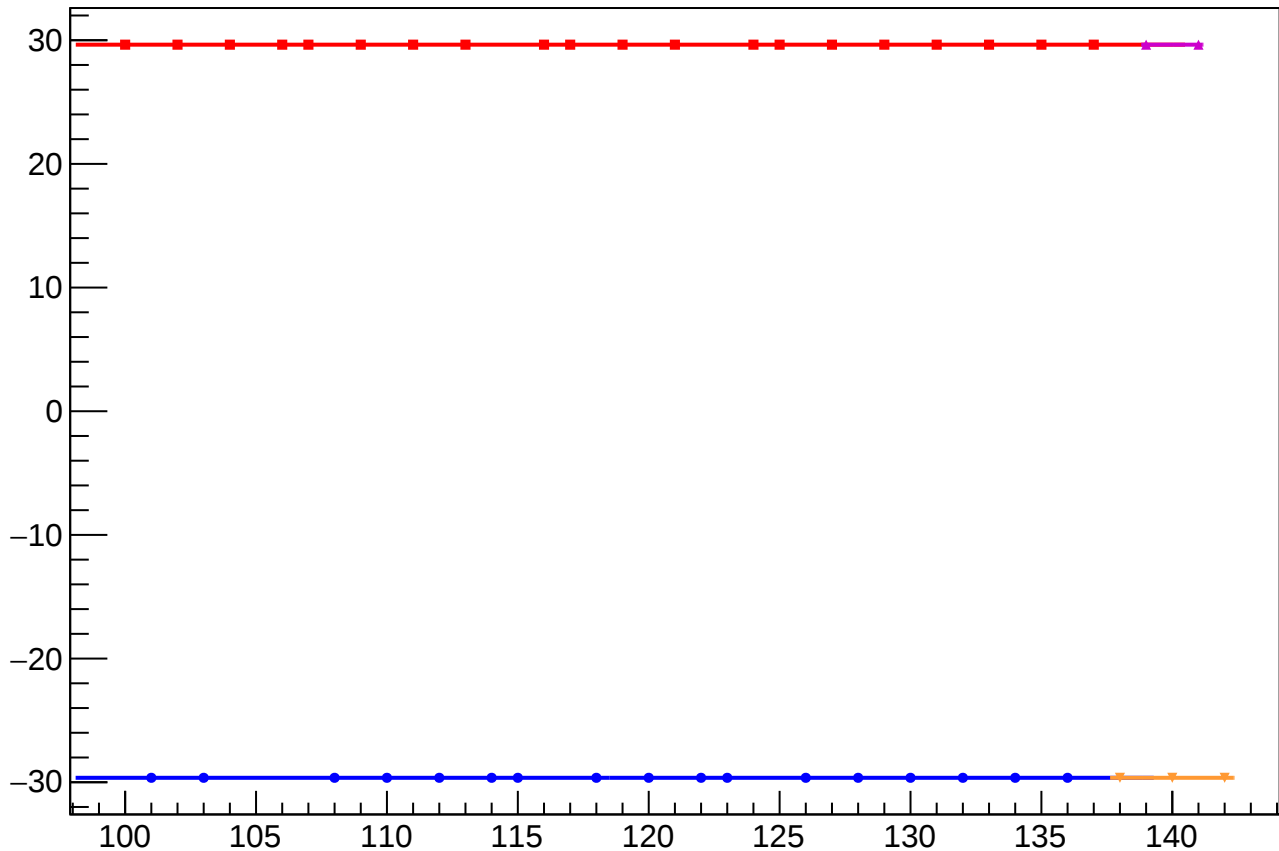
Left In: 90.599 $\pm$ 0.000 χ^2 /NDF: 214267.2/1

47.076 $\pm$ 0.000 χ^2 /NDF: 506528250687430336

-5.038 $\pm$ 0.000 χ^2 /NDF: 14109452589249

-56.692 $\pm$ 0.000 χ^2 /NDF: 41826771540463039

HWienAngle_mean vs Slug, Sign Corrected



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

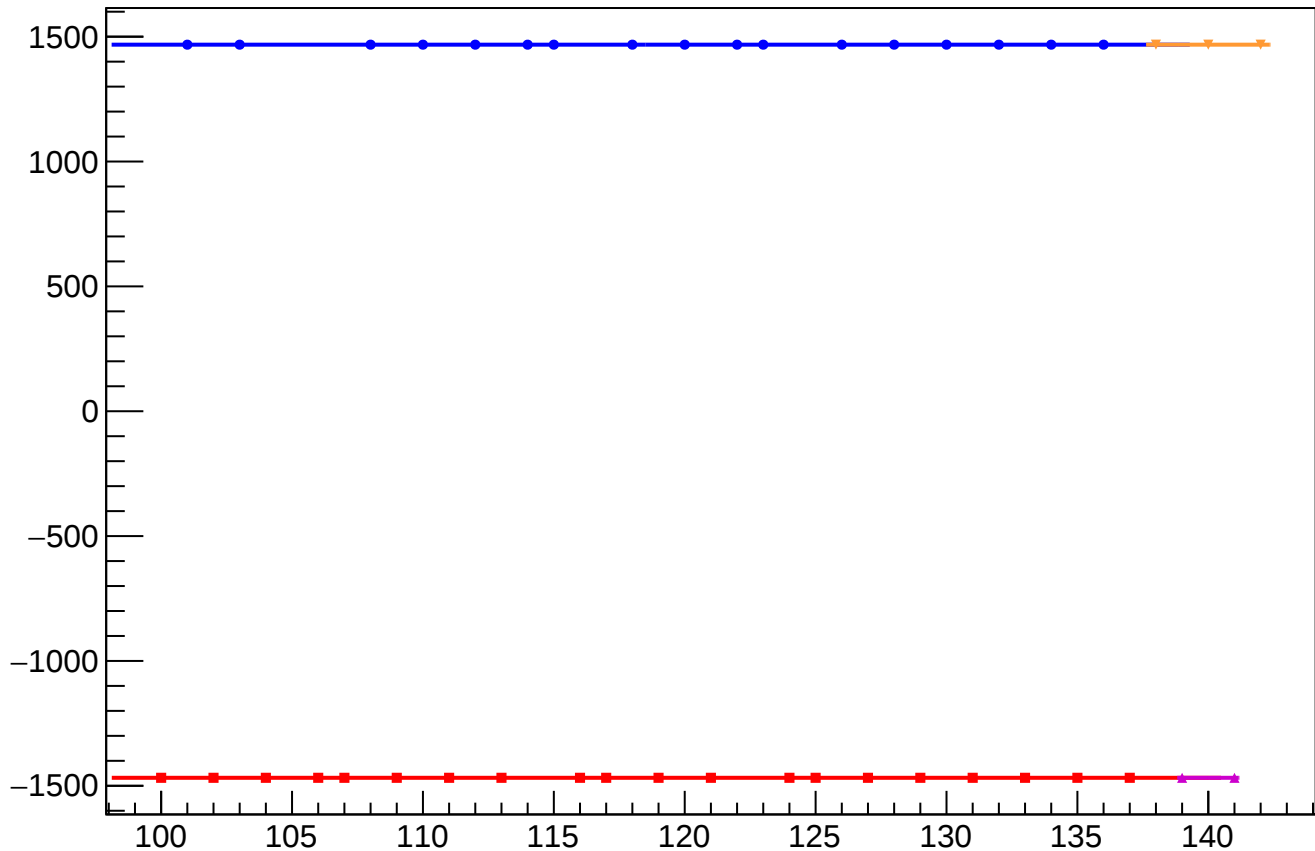
Left In: 29.641+/-0.000 χ^2/NDF : 4808.9/1

-29.641+/-0.000 χ^2/NDF : 1034644.7/19

0.131+/-0.000 χ^2/NDF : 15866686005213

29.641+/-0.000 χ^2/NDF : 970500.9/21

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979 +/- 0.000 χ^2/NDF : 709203977.7/16

Left Out: 1467.979 +/- 0.000 χ^2/NDF : 112703358.5/2

Right Out: -1467.979 +/- 0.000 χ^2/NDF : 189579456.6/19

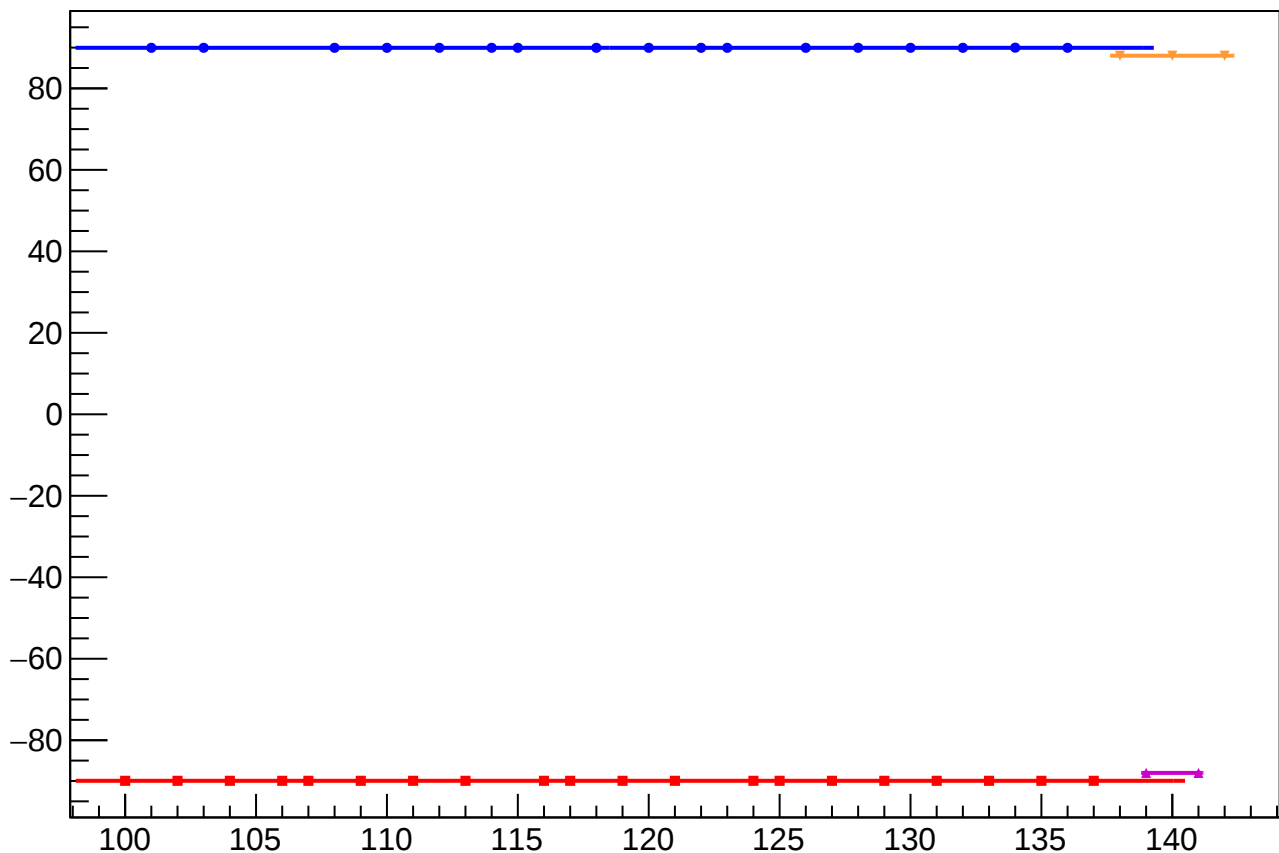
Left In: -1467.979 +/- 0.000 χ^2/NDF : 15302841.3/1

1467.979 +/- 0.000 χ^2/NDF : 1040386415.4/19

-6.503 +/- 0.000 χ^2/NDF : 3891787201833/19

-1467.979 +/- 0.000 χ^2/NDF : 947948982.0/21

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.960+/-0.000 χ^2/NDF : 22241994025452511954976374784.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 1738775.7/2

Right Out: -89.959+/-0.000 χ^2/NDF : 965111.4/19

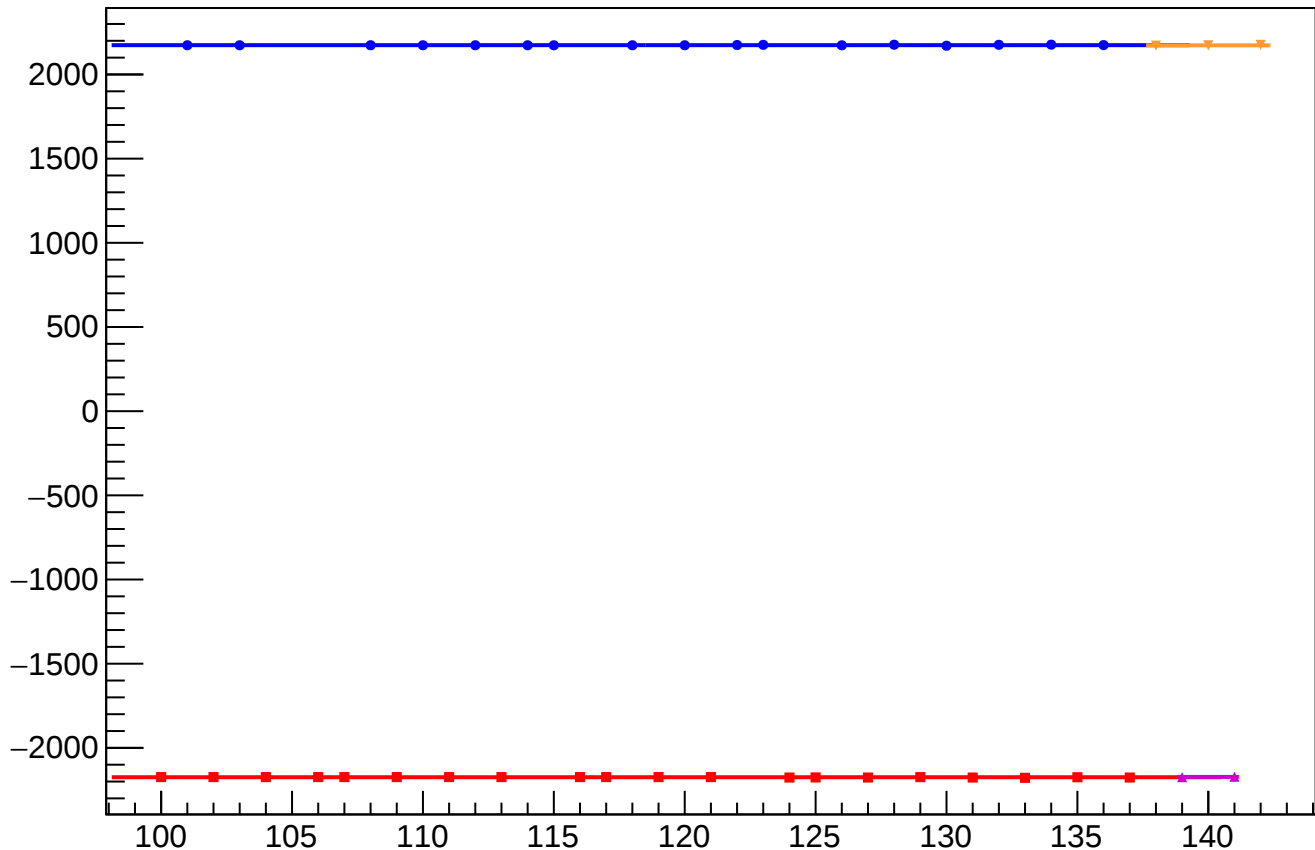
Left In: -88.021+/-0.000 χ^2/NDF : 128439.2/1

89.516+/-0.000 χ^2/NDF : 597419164643229937

-0.449+/-0.000 χ^2/NDF : 14489196454329

-89.619+/-0.000 χ^2/NDF : 49279359169539339

HALLA_p_mean vs Slug, Sign Corrected



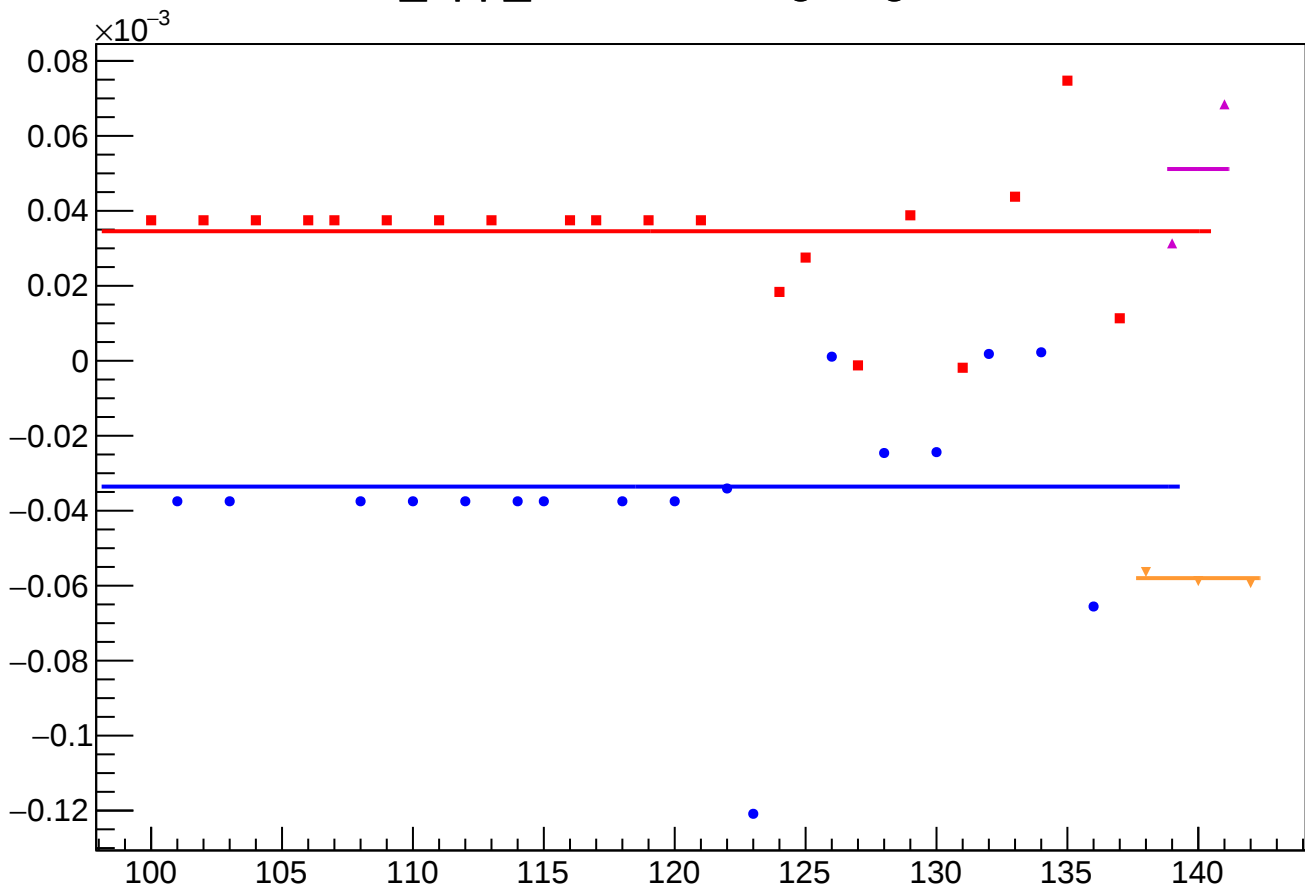
Right In: 2174.056 $\pm$ 0.000 χ^2 /NDF: 1540627337710283644302236183429120.0/16

Left Out: 2173.108 $\pm$ 0.000 χ^2 /NDF: 541370519497844497002057579888640.0/2

Right Out: -2174.358 $\pm$ 0.000 χ^2 /NDF: 1264231113010335742320671948013568.0/19

Left In: -2172.537 $\pm$ 0.000 χ^2 /NDF: 265867658370056766614888102494208.0/1

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000 ± 0.000

$\chi^2/\text{NDF}: 261082170040518671597568.0/16$

Left Out: -0.000 ± 0.000

$\chi^2/\text{NDF}: 339741803624316338176.0/2$

Right Out: 0.000 ± 0.000

$\chi^2/\text{NDF}: 205320369613969110859776.0/19$

Left In: 0.000 ± 0.000

$\chi^2/\text{NDF}: 54439379727702632169472.0/1$

-0.000 ± 0.000

$\chi^2/\text{NDF}: 356126703686543428$

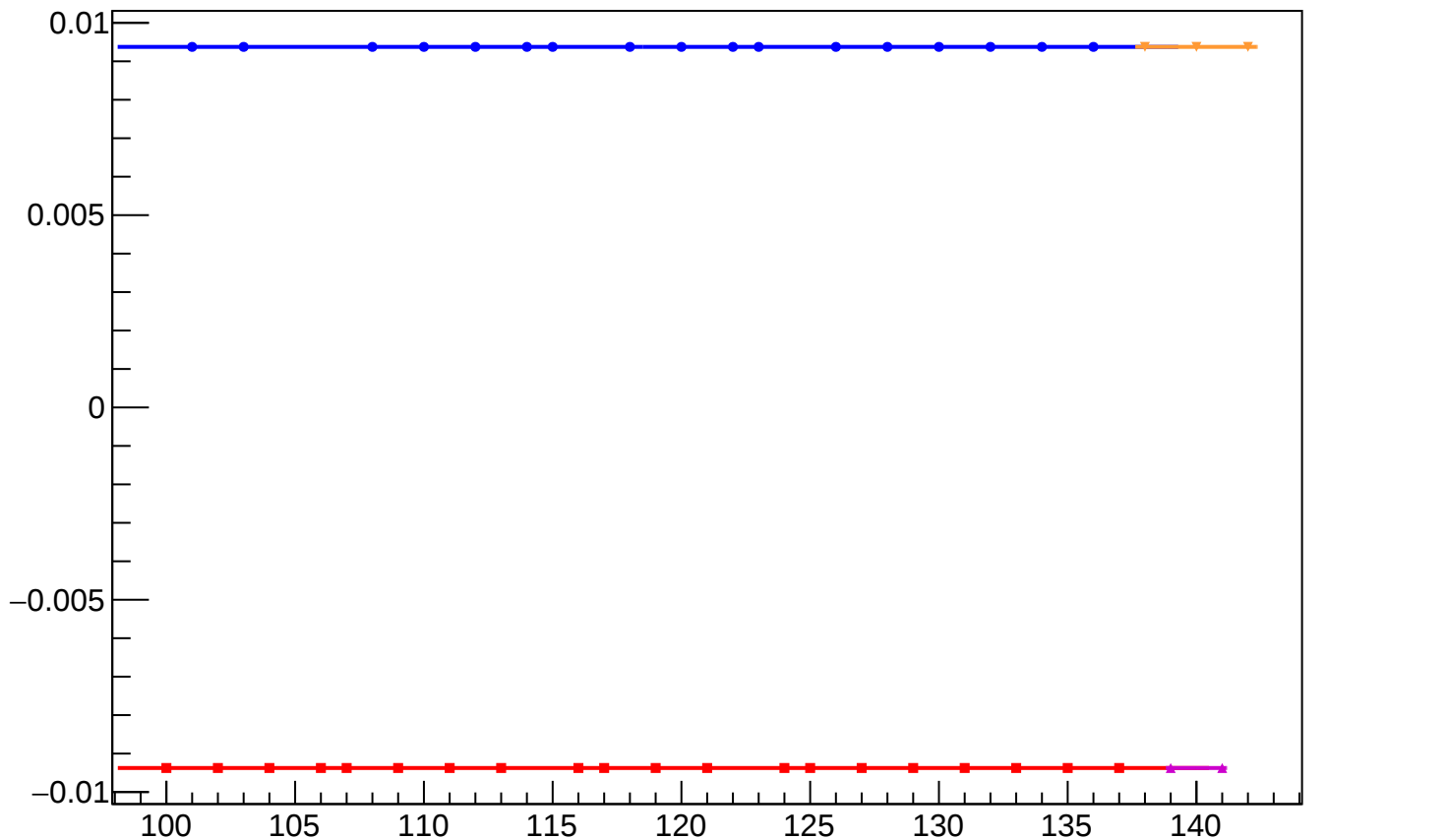
-0.000 ± 0.000

$\chi^2/\text{NDF}: 33034851838715$

0.000 ± 0.000

$\chi^2/\text{NDF}: 2958903961158000176$

MQ171LM_mean vs Slug, Sign Corrected



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

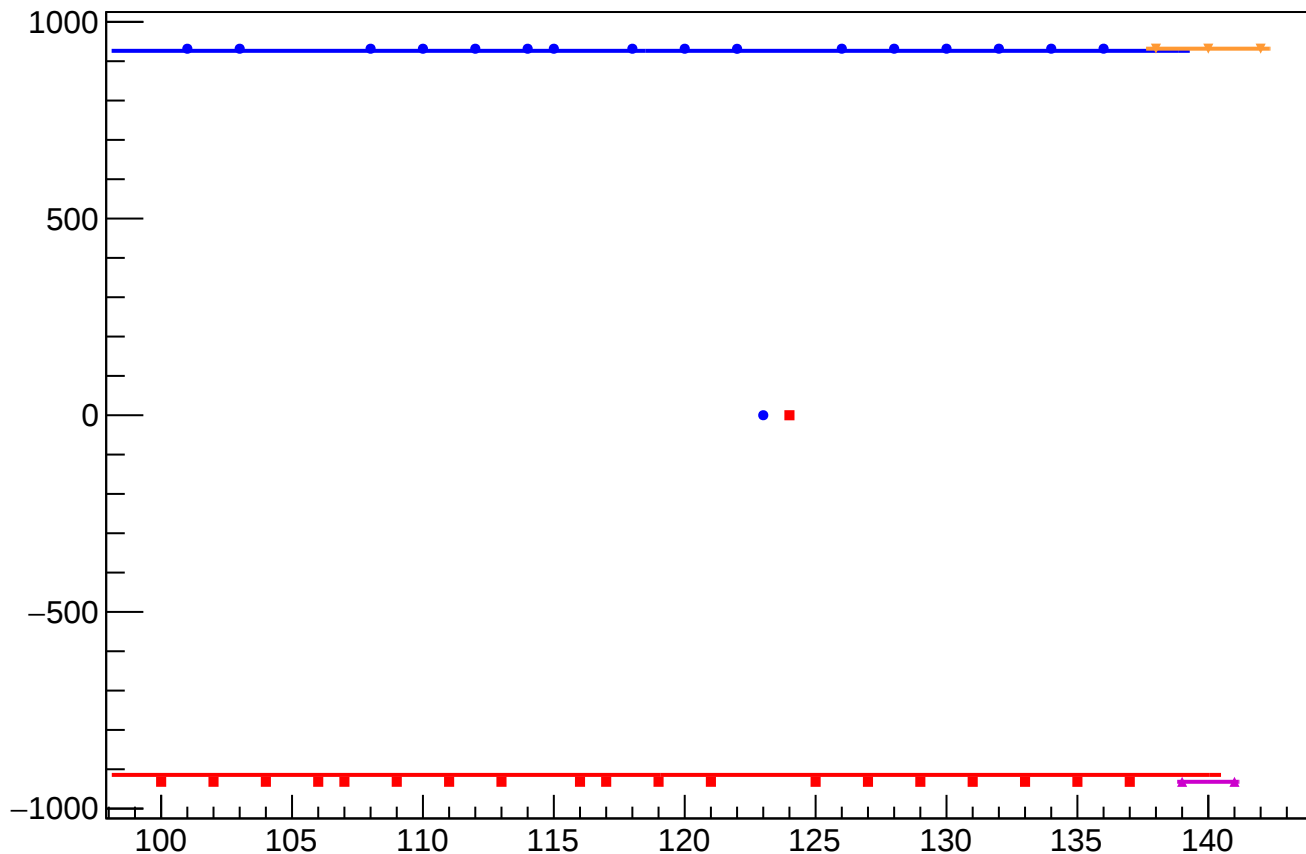
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/1

0.009+/-0.000 χ^2/NDF : 0.1/19

-0.000+/-0.000 χ^2/NDF : 15872735413209

-0.009+/-0.000 χ^2/NDF : 0.0/21

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



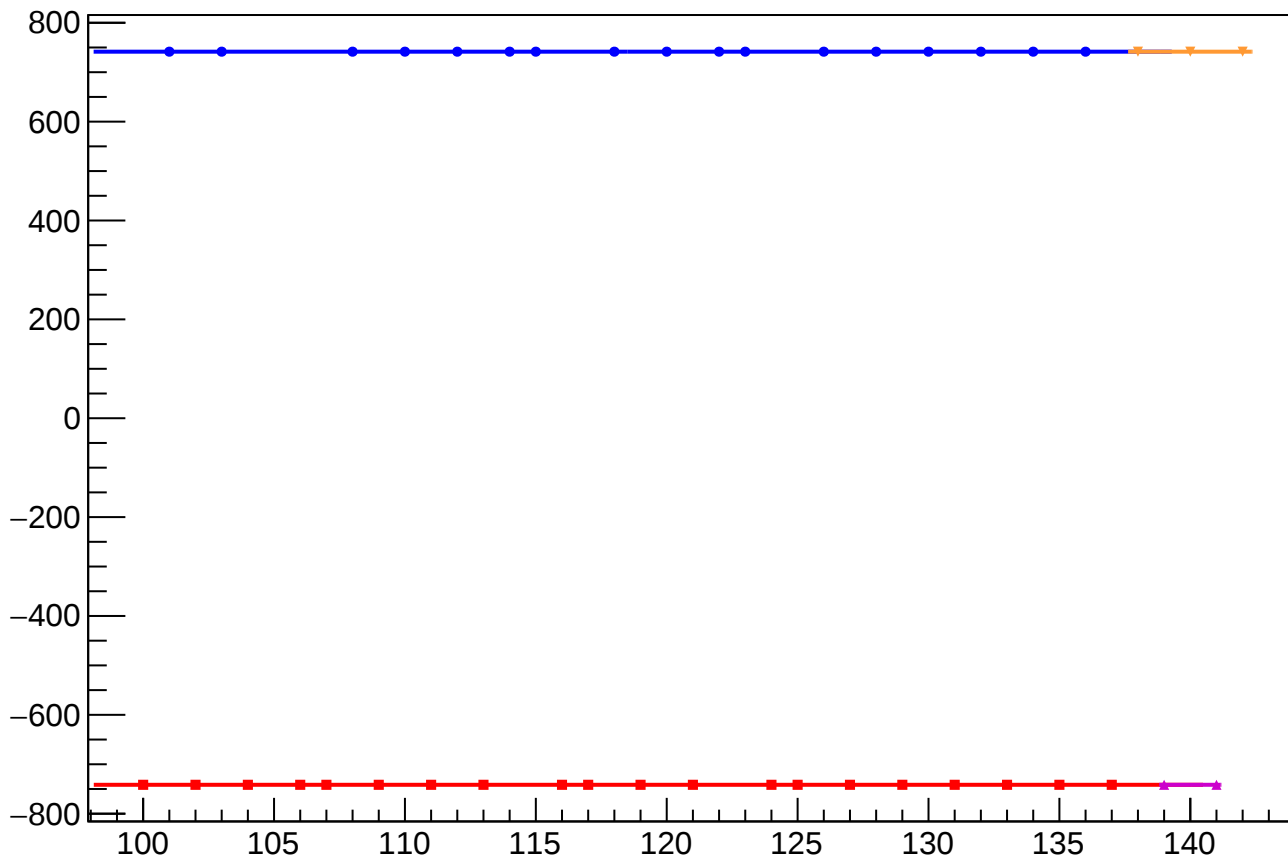
Right In: 926.386+/-0.000 χ^2/NDF : 3452467754227541020877770418970165248.0/16

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, Sign Corrected



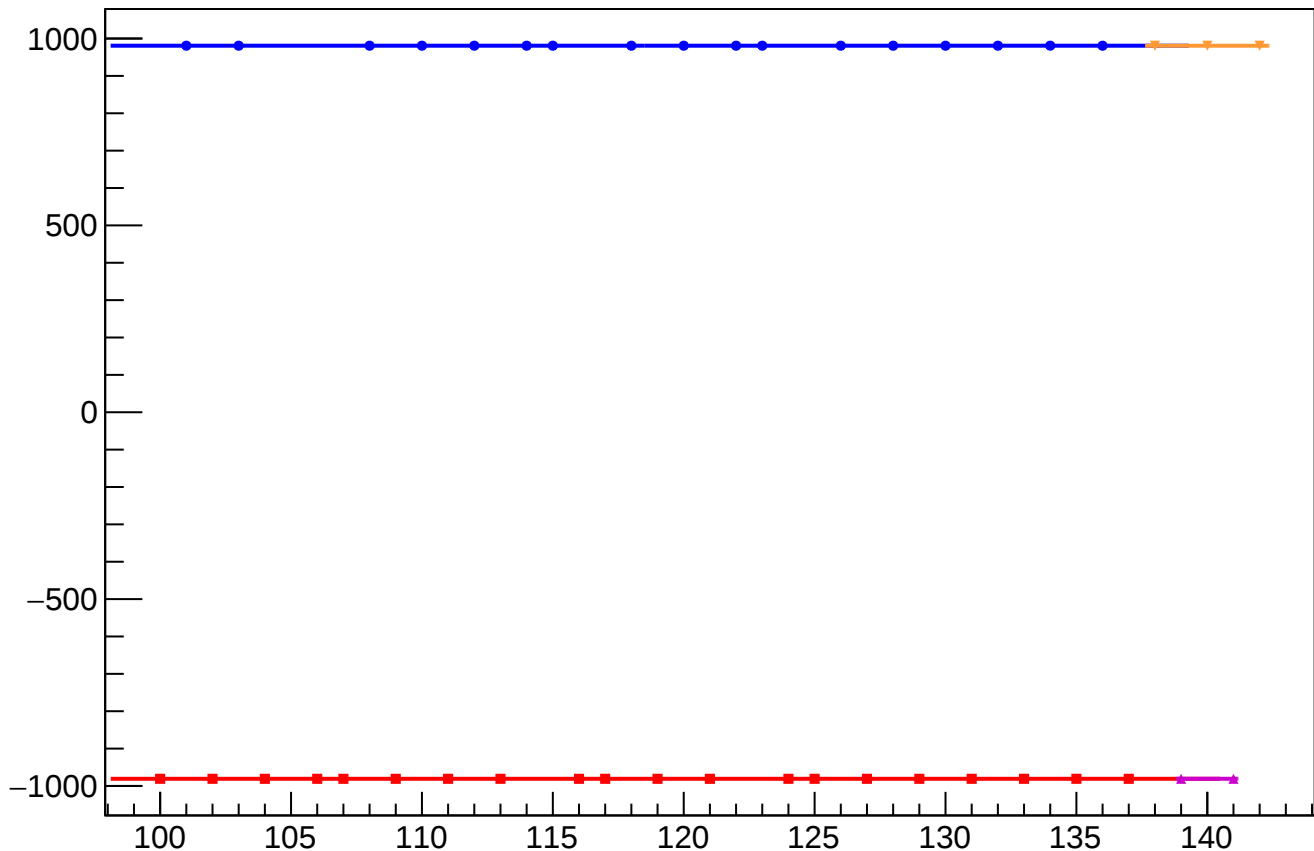
Right In: 741.532+/-0.000 χ^2/NDF : 32849351469491643197637525504.0/16

Left Out: 741.524+/-0.000 χ^2/NDF : 2772953964844253202673041408.0/2

Right Out: -741.533+/-0.000 χ^2/NDF : 28343010063633014145849229312.0/19

Left In: -741.526+/-0.000 χ^2/NDF : 2432051909991423801261293568.0/1

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



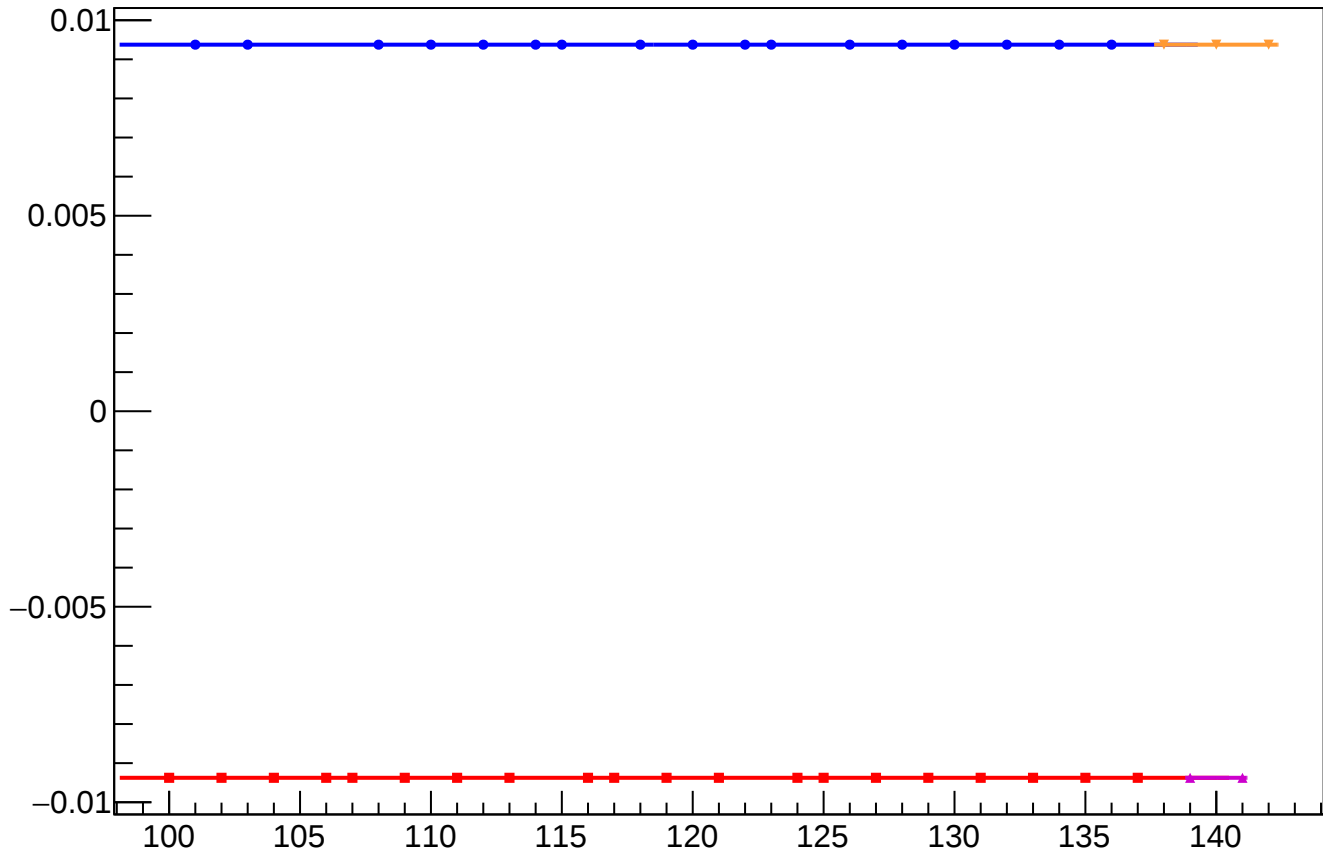
Right In: 980.829+/-0.000 χ^2/NDF : 167564898661061940746253238272.0/16

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, Sign Corrected



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

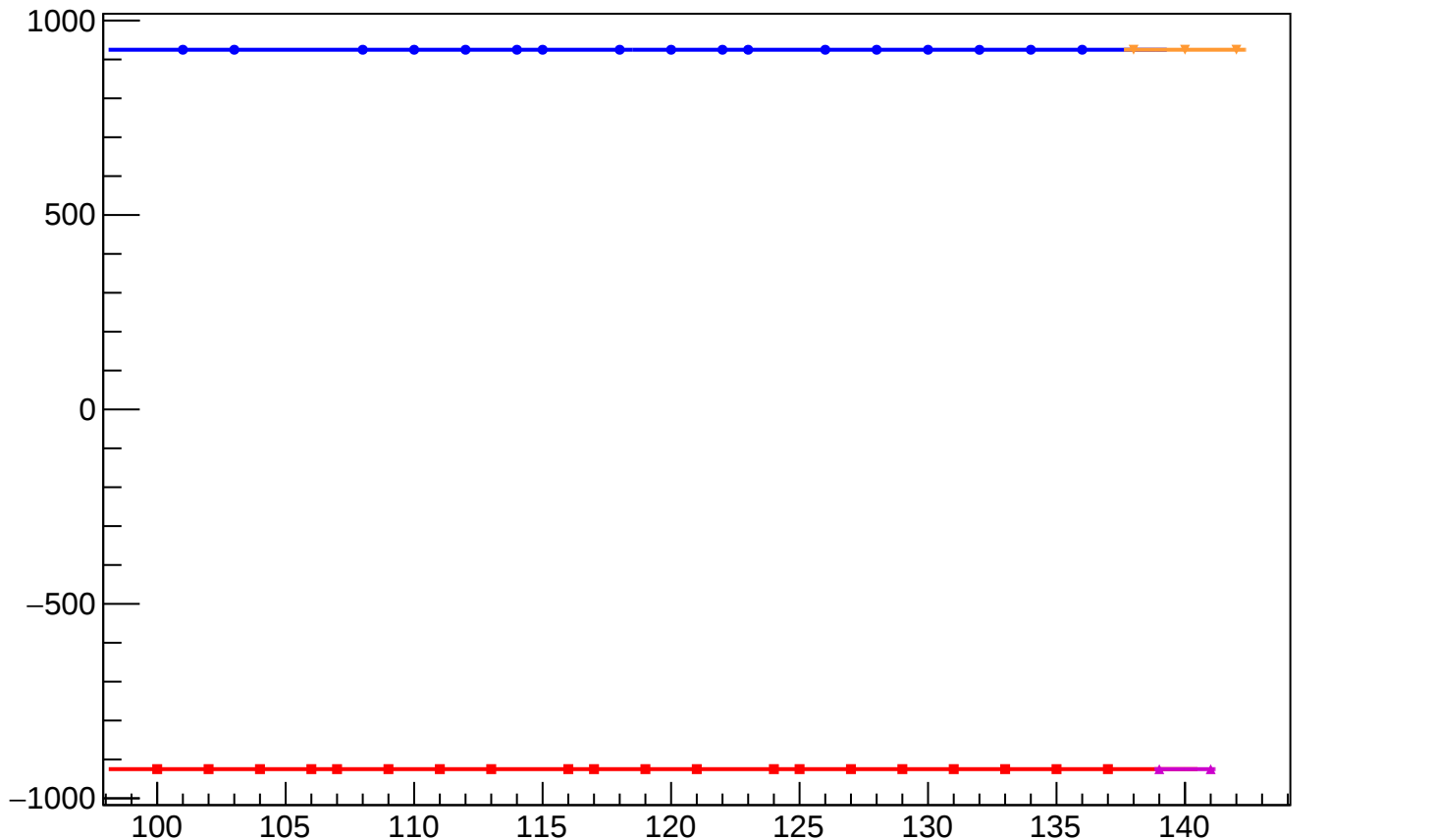
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/1

0.009+/-0.000 χ^2/NDF : 0.1/19

-0.000+/-0.000 χ^2/NDF : 1587273541320

-0.009+/-0.000 χ^2/NDF : 0.0/21

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



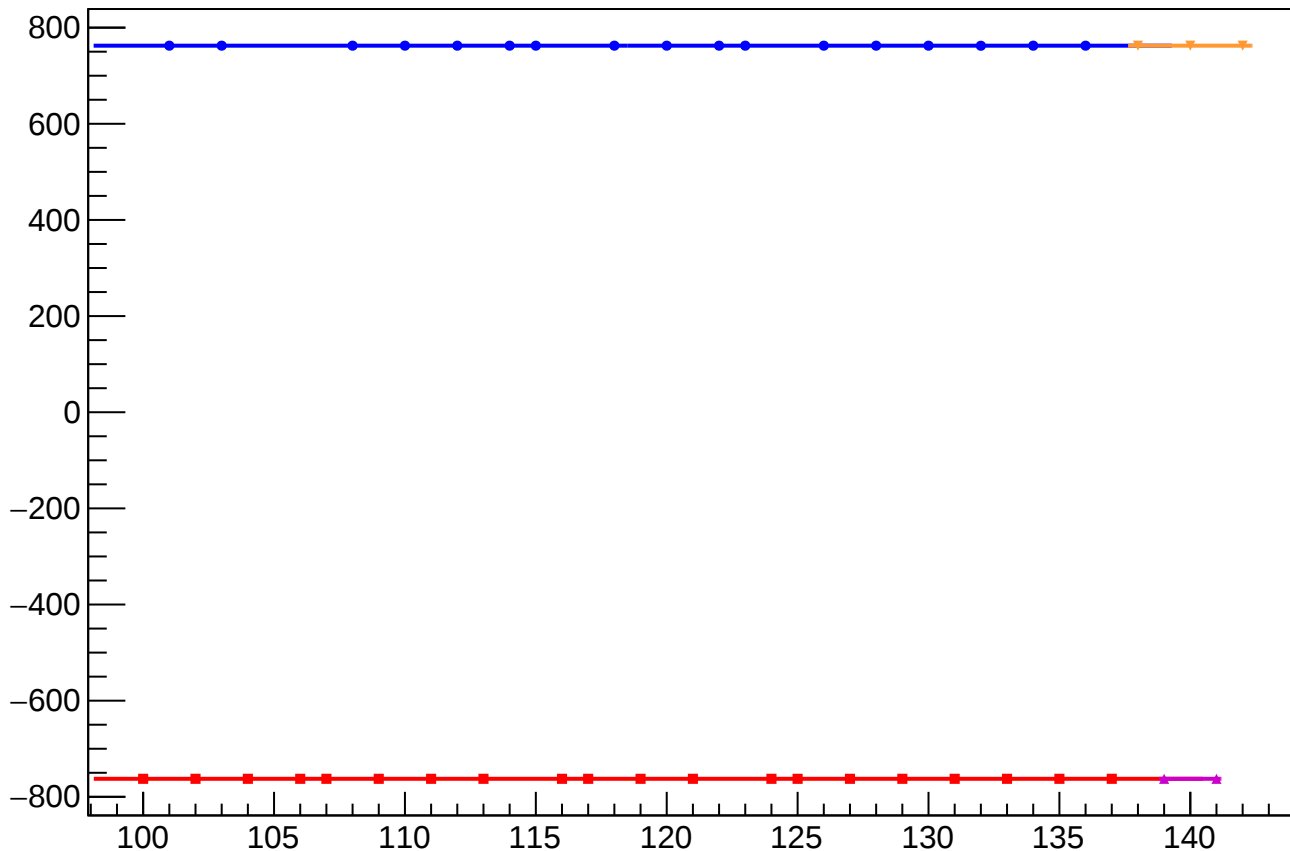
Right In: 924.951+/-0.000 χ^2/NDF : 1494768077098177221899893866496.0/16

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, Sign Corrected



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

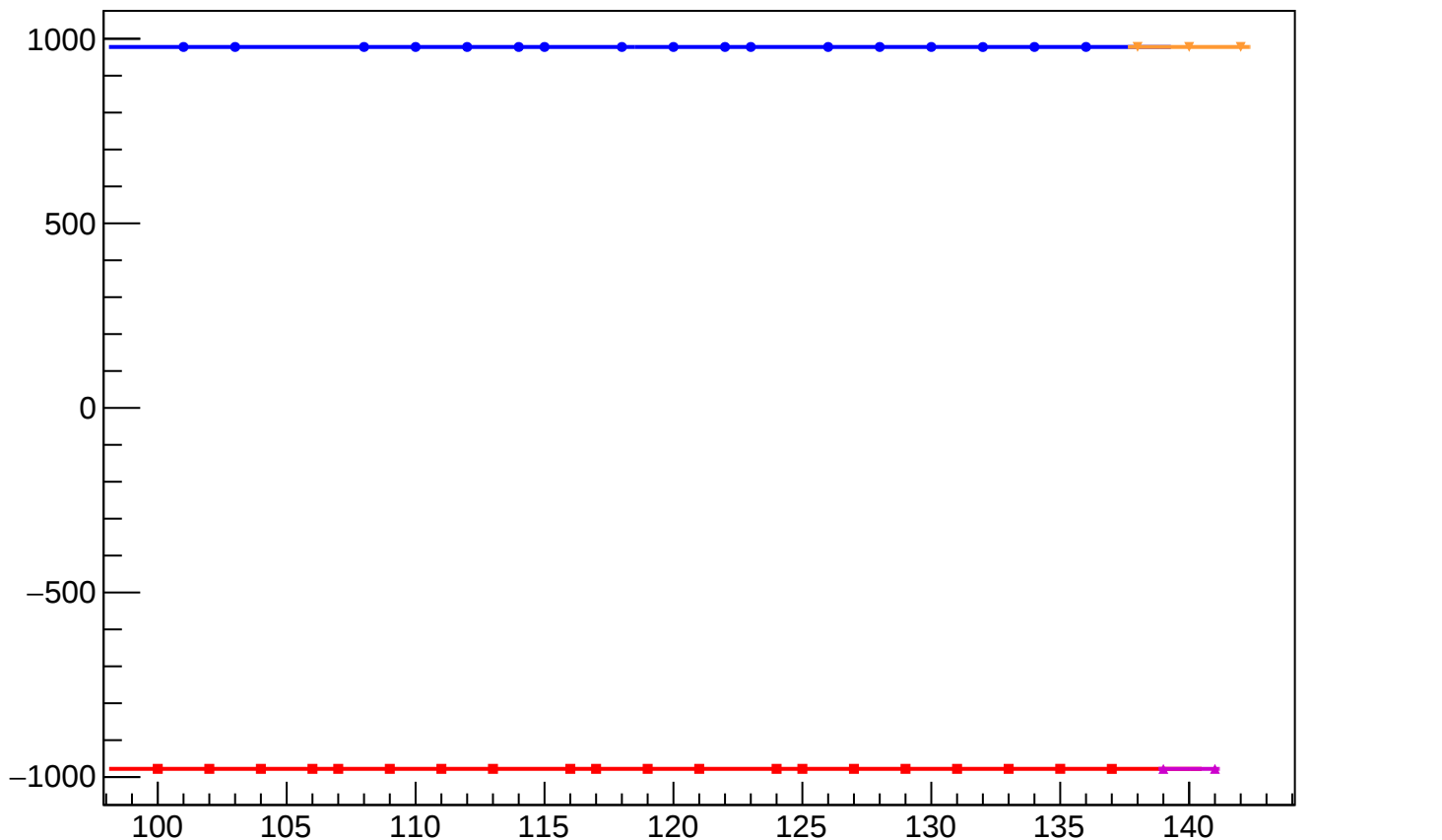
Left In: -762.491+/-0.000 χ^2/NDF : 6149787237895671683150249984.0/1

762.493+/-0.000 χ^2/NDF : 85553732229705623

-3.381+/-0.000 χ^2/NDF : 1049988895248

-762.500+/-0.000 χ^2/NDF : 2282072749688698

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



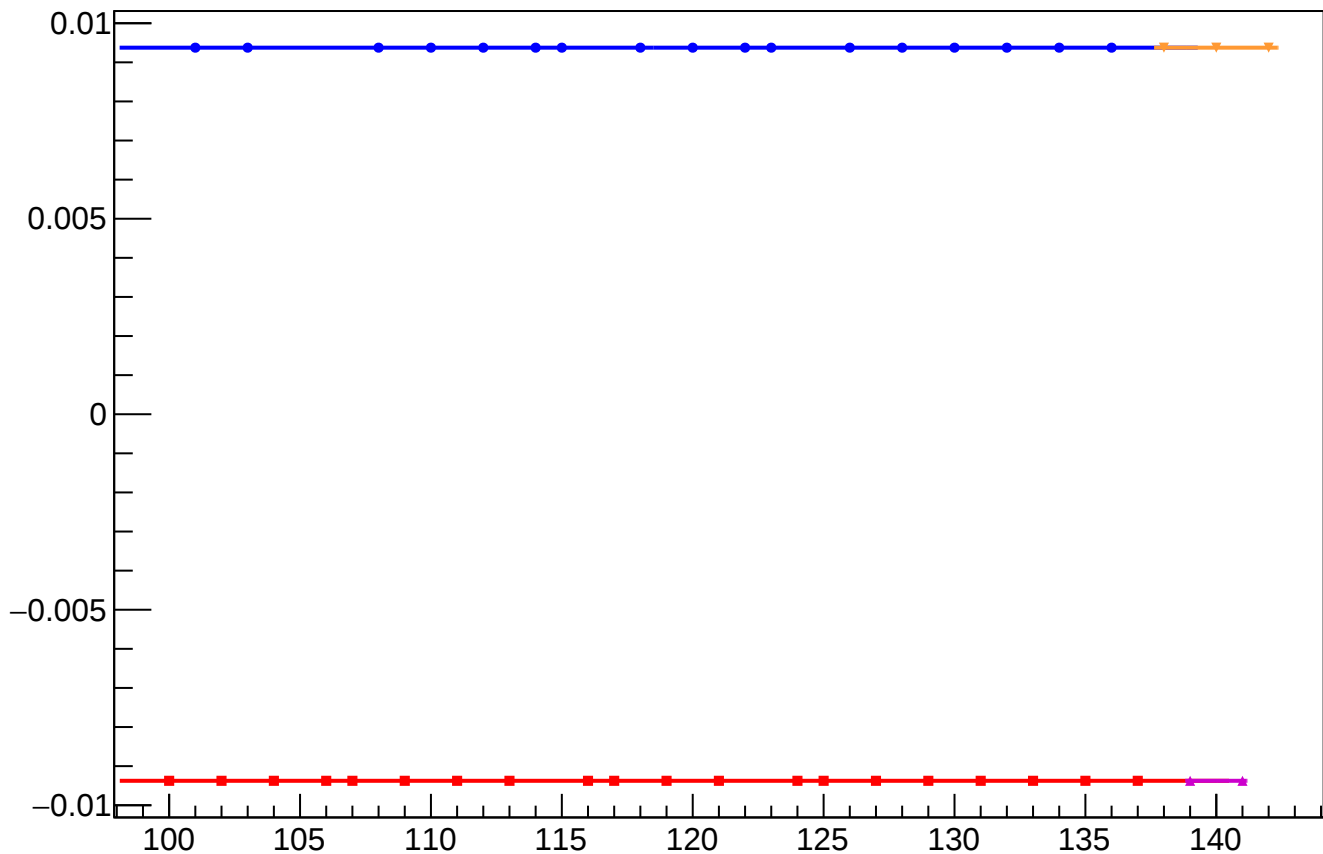
Right In: 977.743+/-0.000 χ^2/NDF : 1742505979268316185481239855104.0/16

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, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/2$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/19$

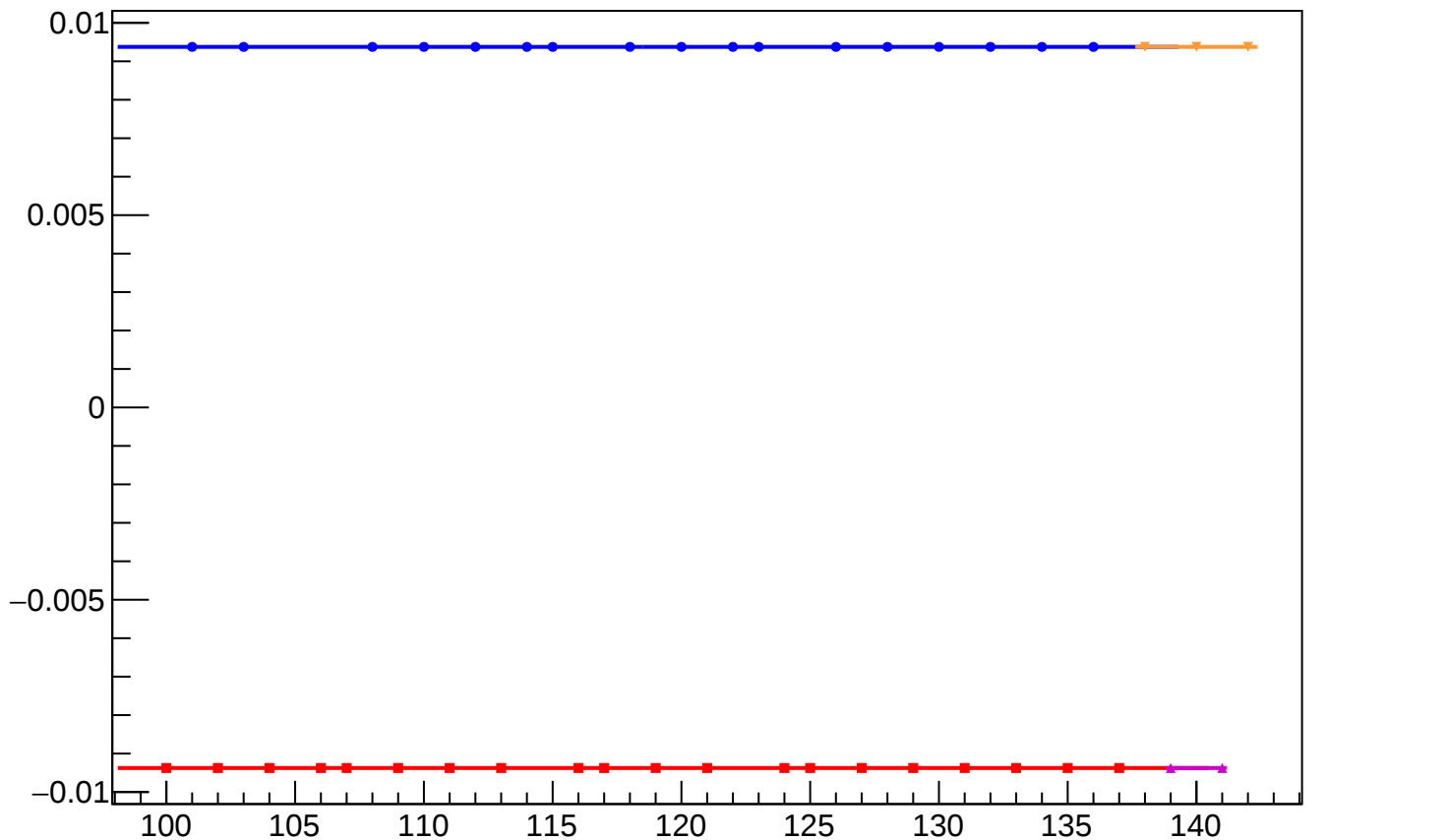
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/1$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/19$

-0.000 ± 0.000 $\chi^2/\text{NDF}: 1587273541320$

-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/21$

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



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

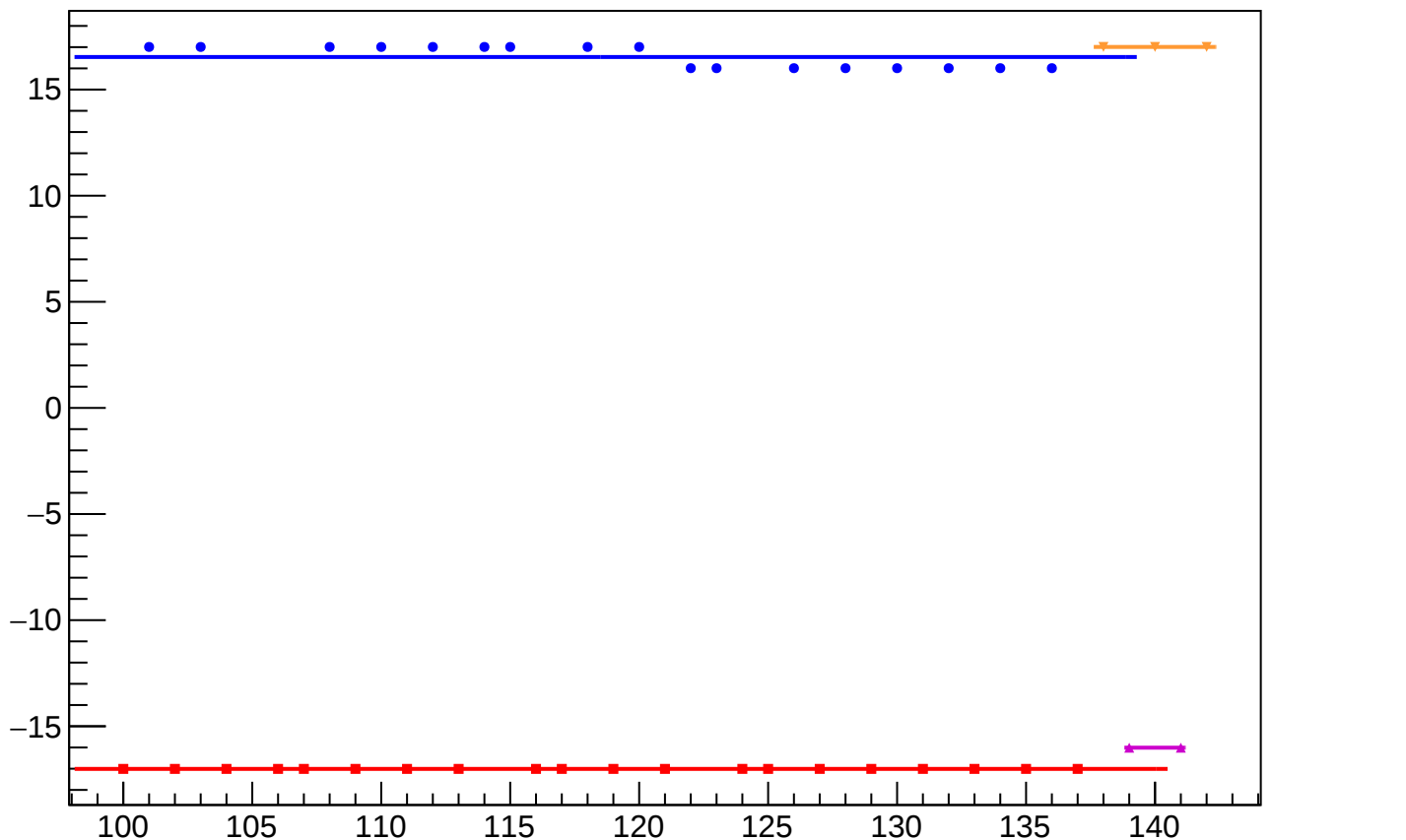
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/1

0.009+/-0.000 χ^2/NDF : 0.1/19

-0.000+/-0.000 χ^2/NDF : 15872735413209

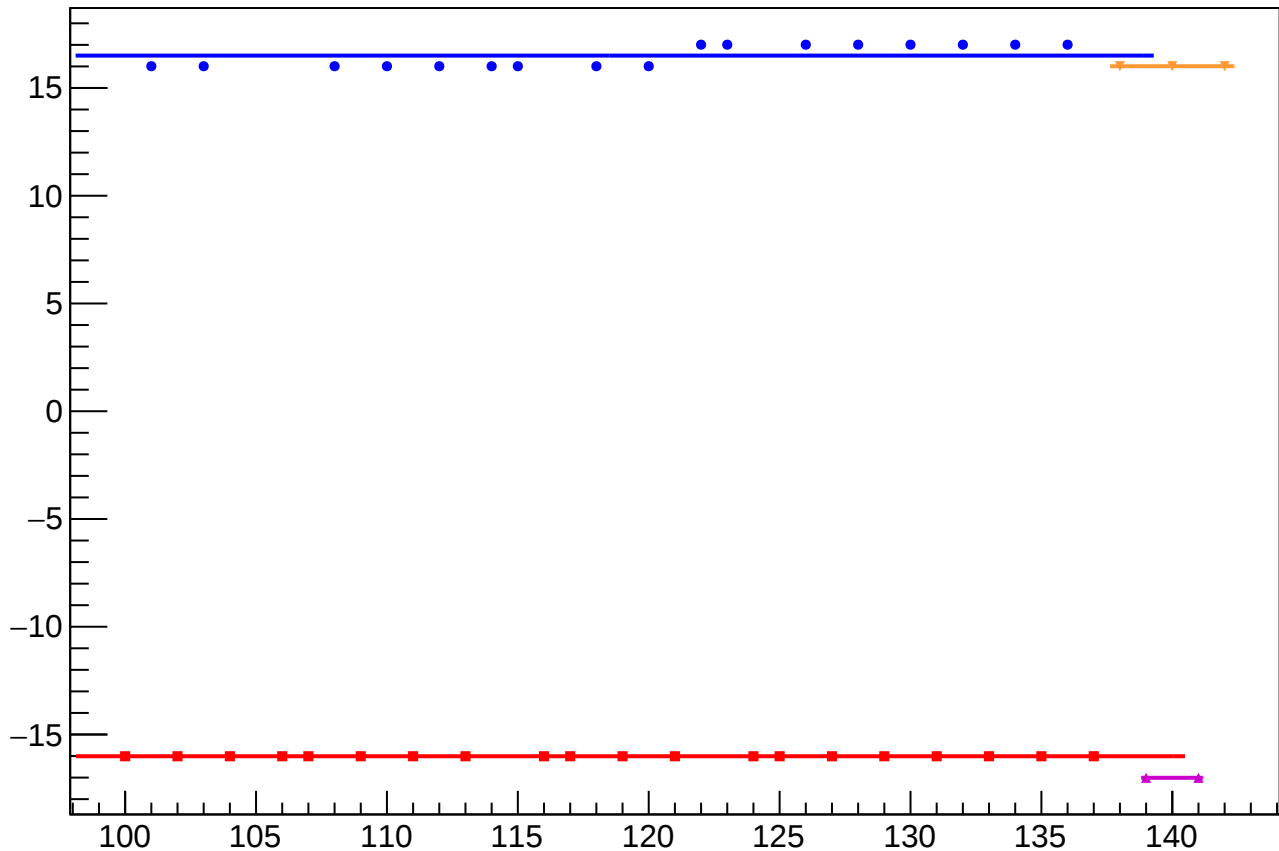
-0.009+/-0.000 χ^2/NDF : 0.0/21

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.536 $\pm$ 0.000 χ^2 /NDF: 166290854572710847195720592654336.0/16
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 768410688214921444851712.0/2
 Right Out: -17.009 $\pm$ 0.000 χ^2 /NDF: 11540731635624530264719360.0/19
 Left In: -16.009 $\pm$ 0.000 χ^2 /NDF: 1830.2/1

IGL1I00OD16_16_mean vs Slug, Sign Corrected



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

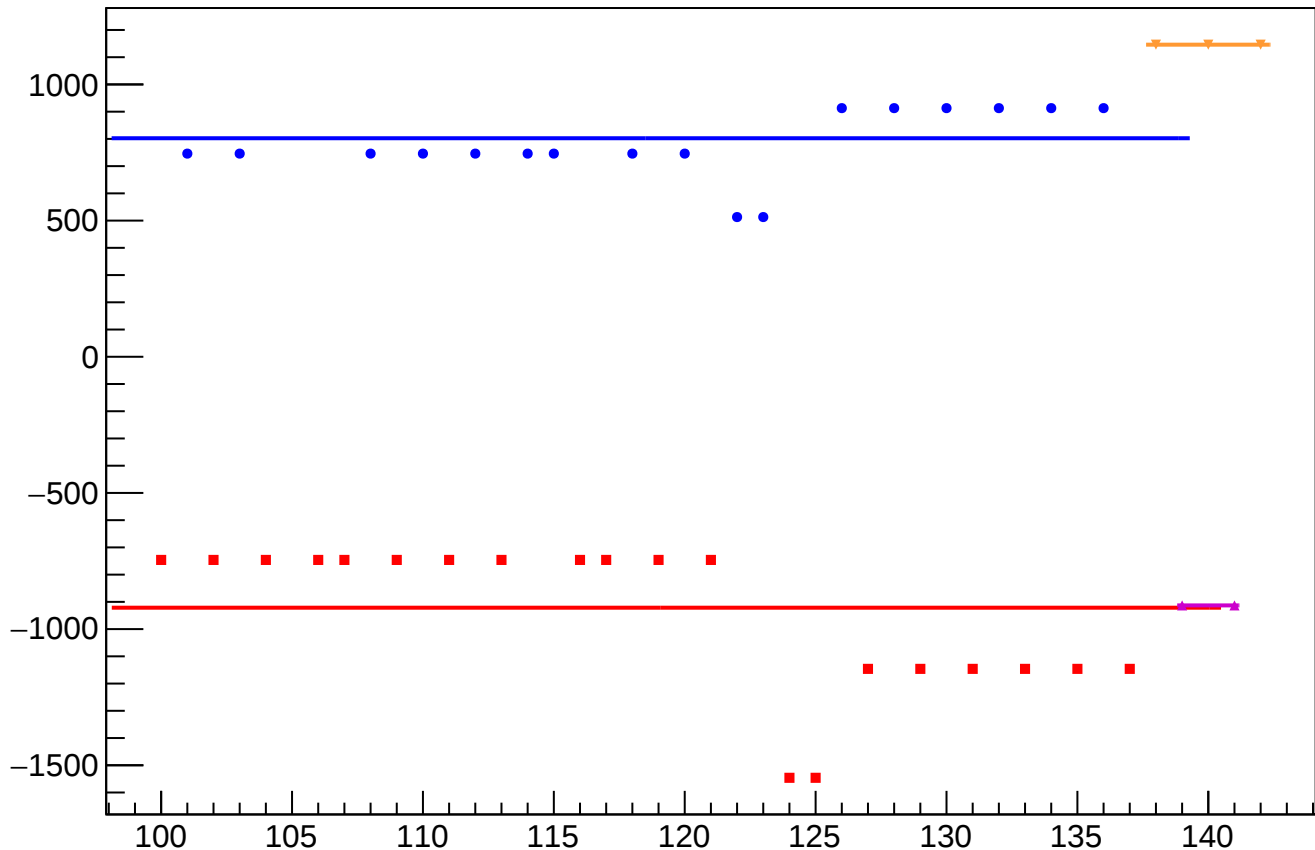
Left In: -17.009+/-0.000 χ^2/NDF : 4291.4/1

16.390+/-0.000 χ^2/NDF : 21189543937707487

0.030+/-0.000 χ^2/NDF : 47941868207314

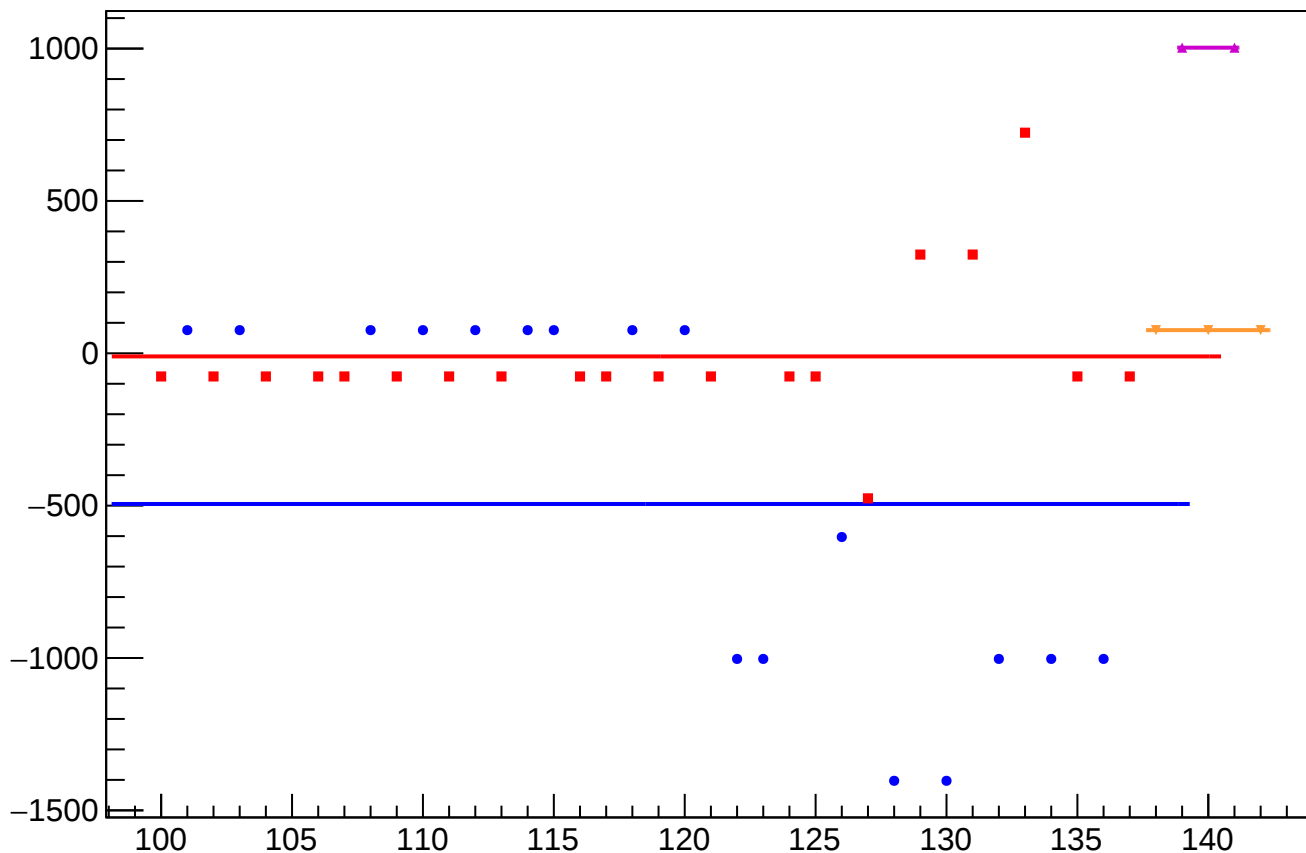
-16.185+/-0.000 χ^2/NDF : 13112679162071528

RTPAPOSUCNT_mean vs Slug, Sign Corrected



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, Sign Corrected



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