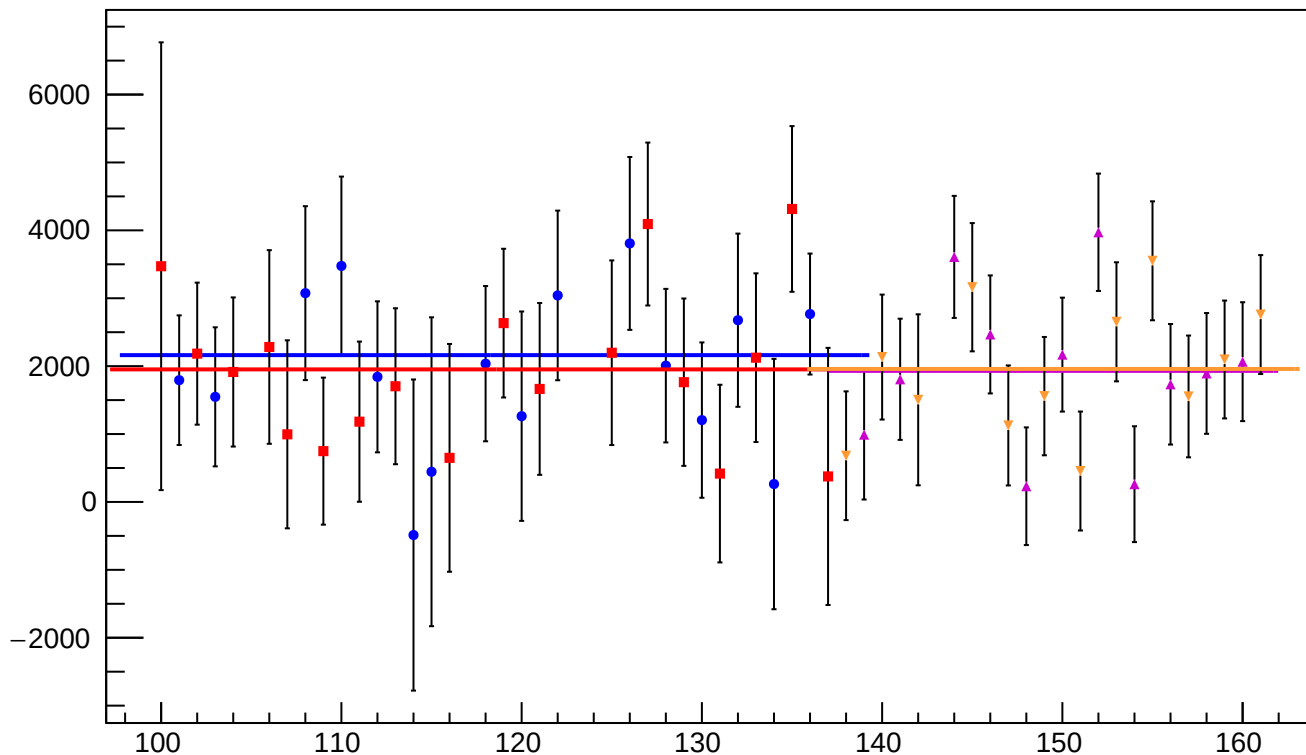


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1958.793+/-263.312

χ^2/NDF : 12.6/11

Right Out: 1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: 1930.491+/-265.224

χ^2/NDF : 18.3/10

2044.952+/-199.953

χ^2/NDF : 21.8/27

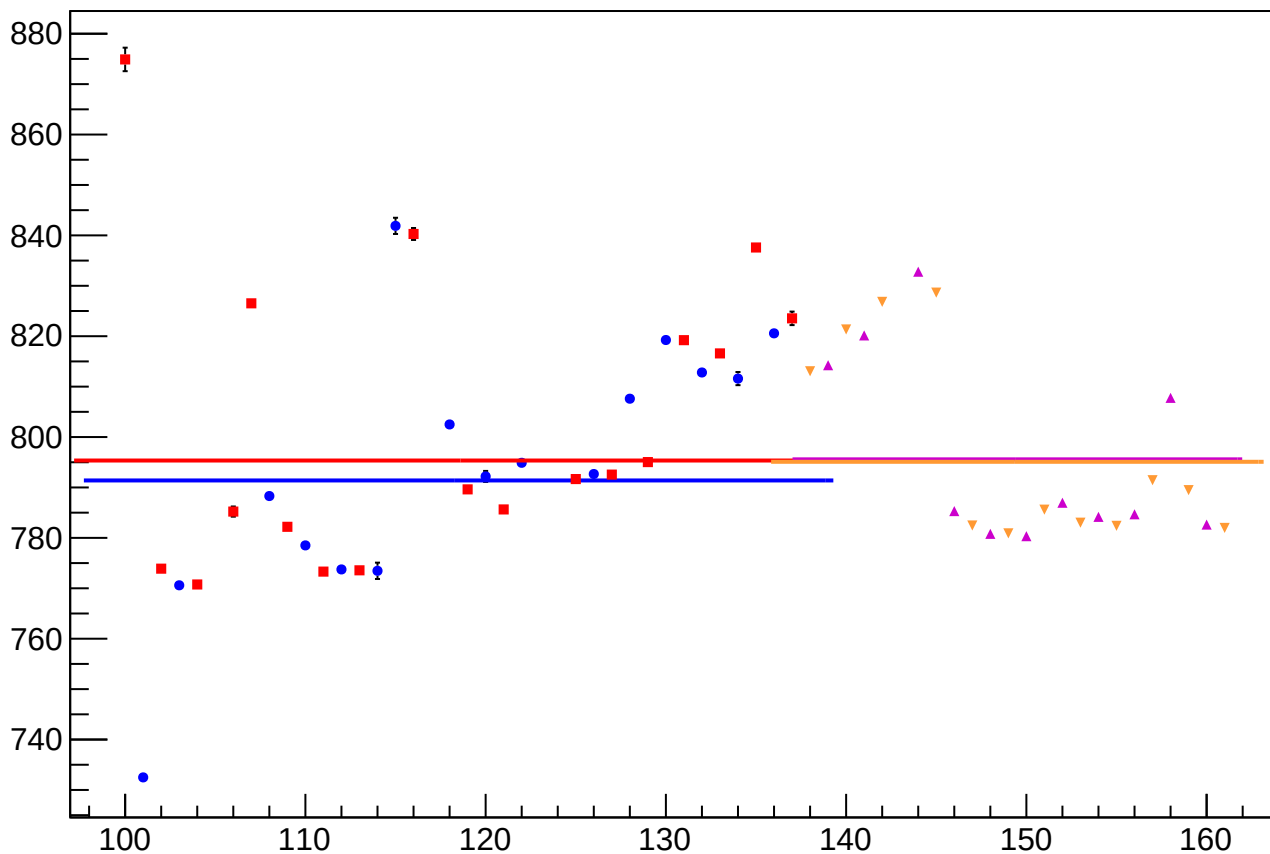
1992.177+/-141.005

χ^2/NDF : 52.9/56

1939.972+/-198.873

χ^2/NDF : 30.9/28

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 795.091 $\pm$ 0.186 χ^2 /NDF: 8678.1/11

Right Out: 795.345 $\pm$ 0.213 χ^2 /NDF: 11559.8/17

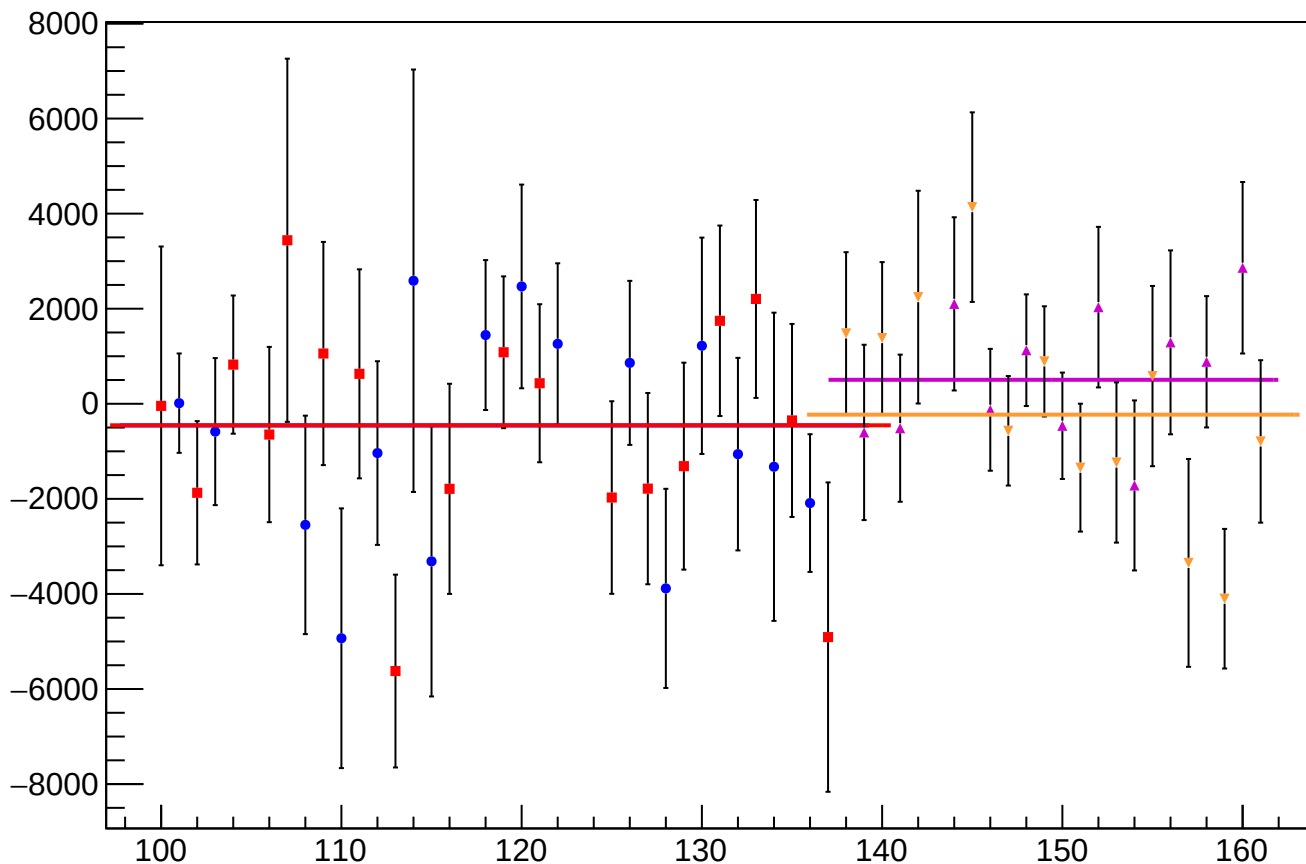
Left In: 795.575 $\pm$ 0.188 χ^2 /NDF: 8900.7/10

793.525 $\pm$ 0.141 χ^2 /NDF: 23853.6/27

794.505 $\pm$ 0.100 χ^2 /NDF: 44410.4/56

795.474 $\pm$ 0.141 χ^2 /NDF: 20461.2/28

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

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

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

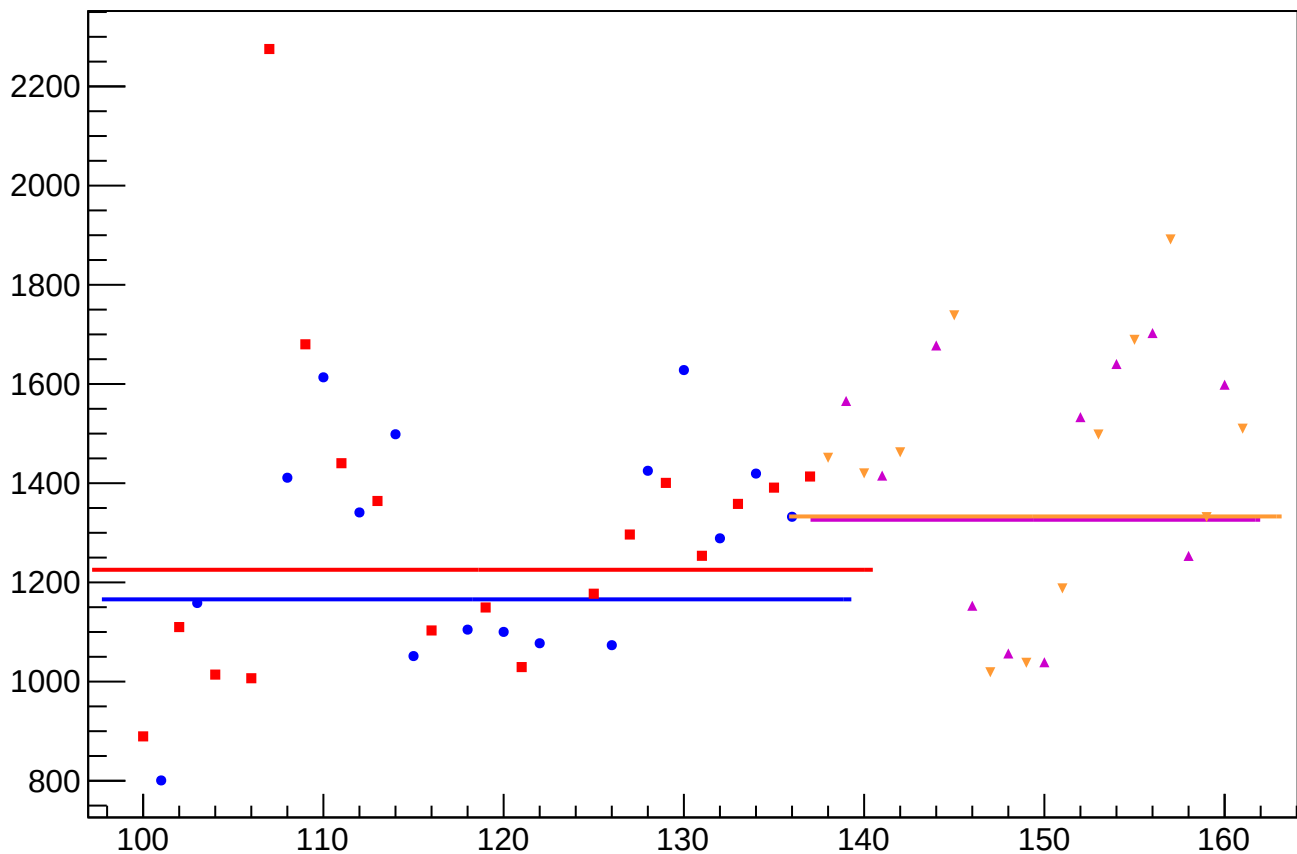
Left In: 504.483+/-451.423 χ^2/NDF : 7.1/10

-339.283+/-324.070 χ^2/NDF : 34.4/27

-147.077+/-230.002 χ^2/NDF : 61.7/56

48.006+/-326.487 χ^2/NDF : 26.6/28

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

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

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

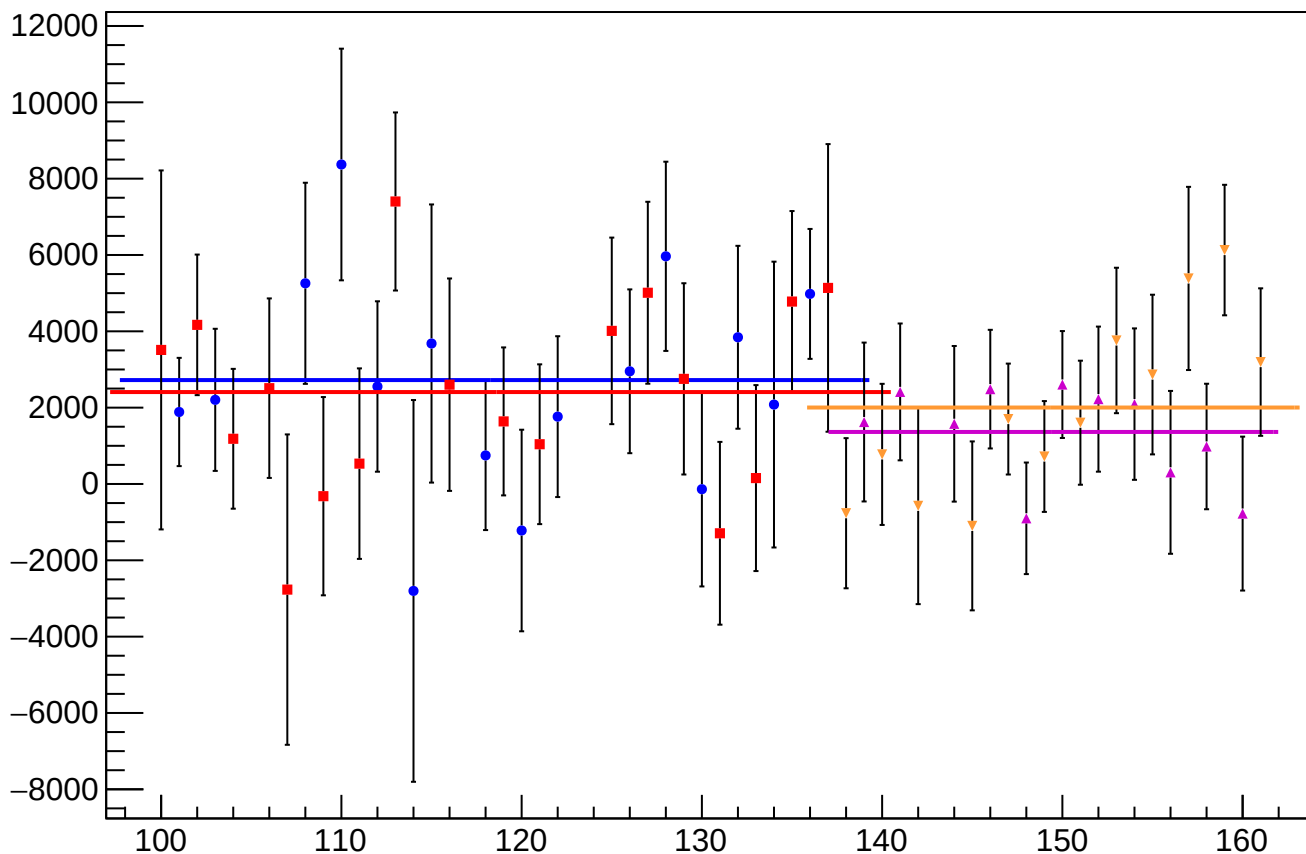
Left In: 1326.308 $\pm$ 0.319 χ^2 /NDF: 607154.3/10

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

1264.760 $\pm$ 0.163 χ^2 /NDF: 2409825.2/56

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

asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

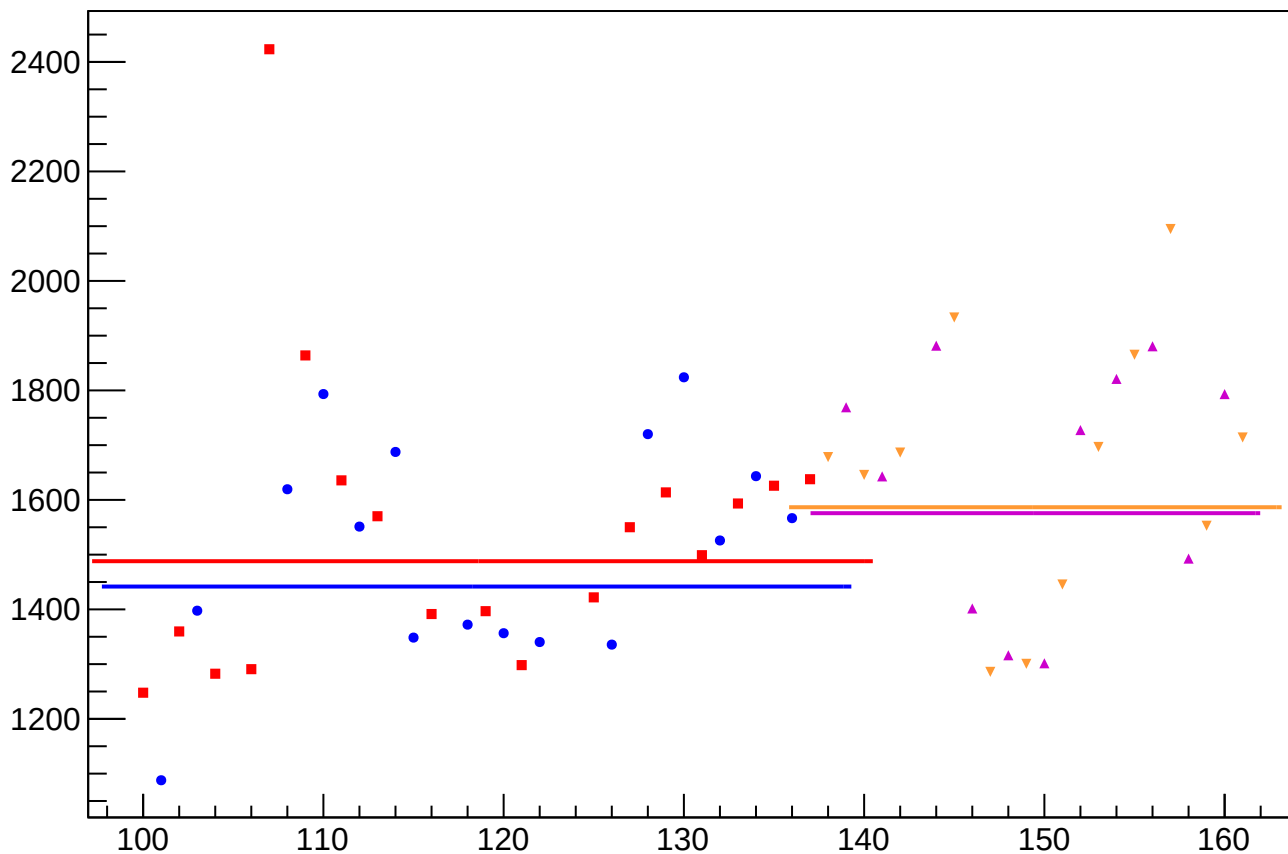
Left In: 1363.163 ± 531.442 χ^2/NDF : 5.8/10

2340.447 ± 388.403 χ^2/NDF : 30.9/27

2095.303 ± 274.634 χ^2/NDF : 55.6/56

1850.191 ± 388.378 χ^2/NDF : 23.9/28

asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

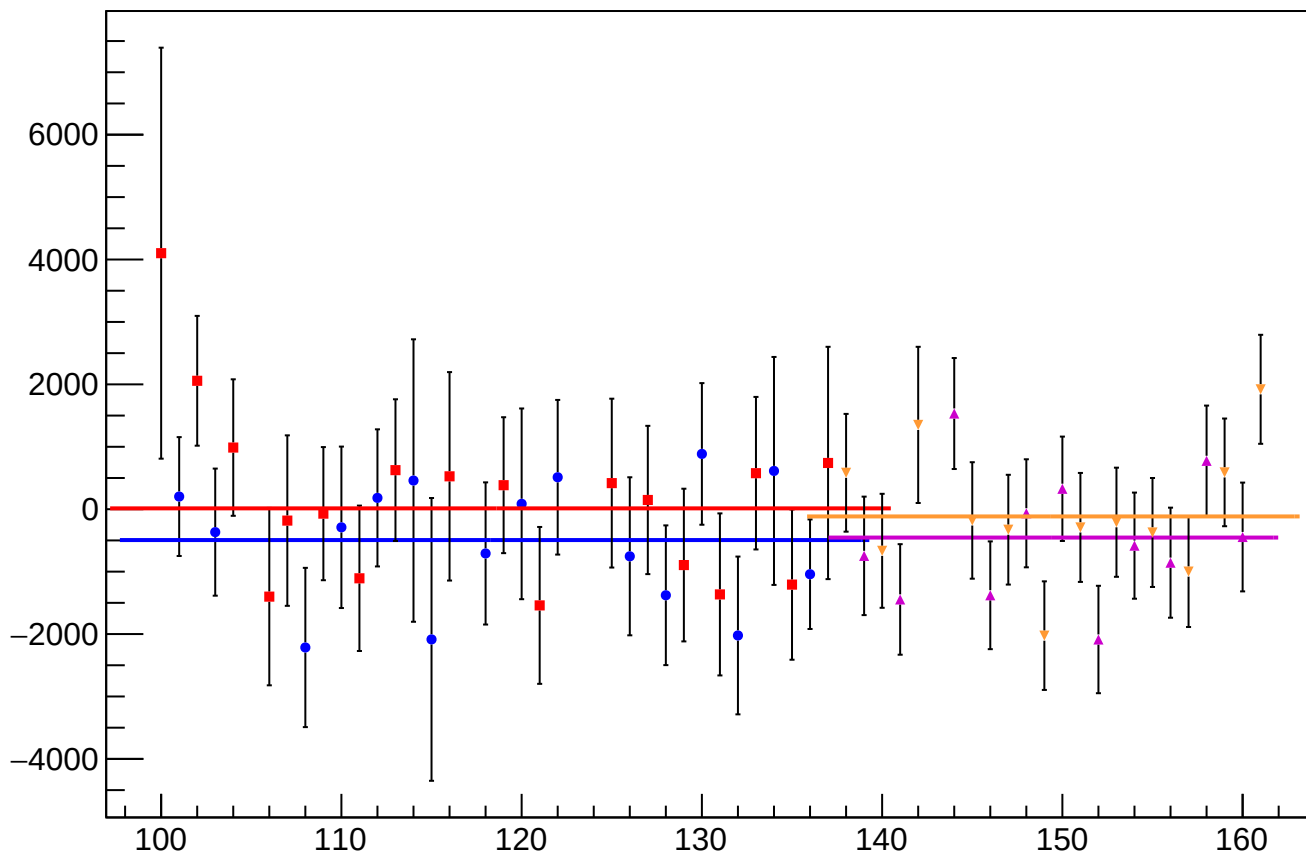
Left In: 1575.737 +/- 0.376 χ^2/NDF : 342470.4/10

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

1526.763 +/- 0.194 χ^2/NDF : 1349050.5/56

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

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

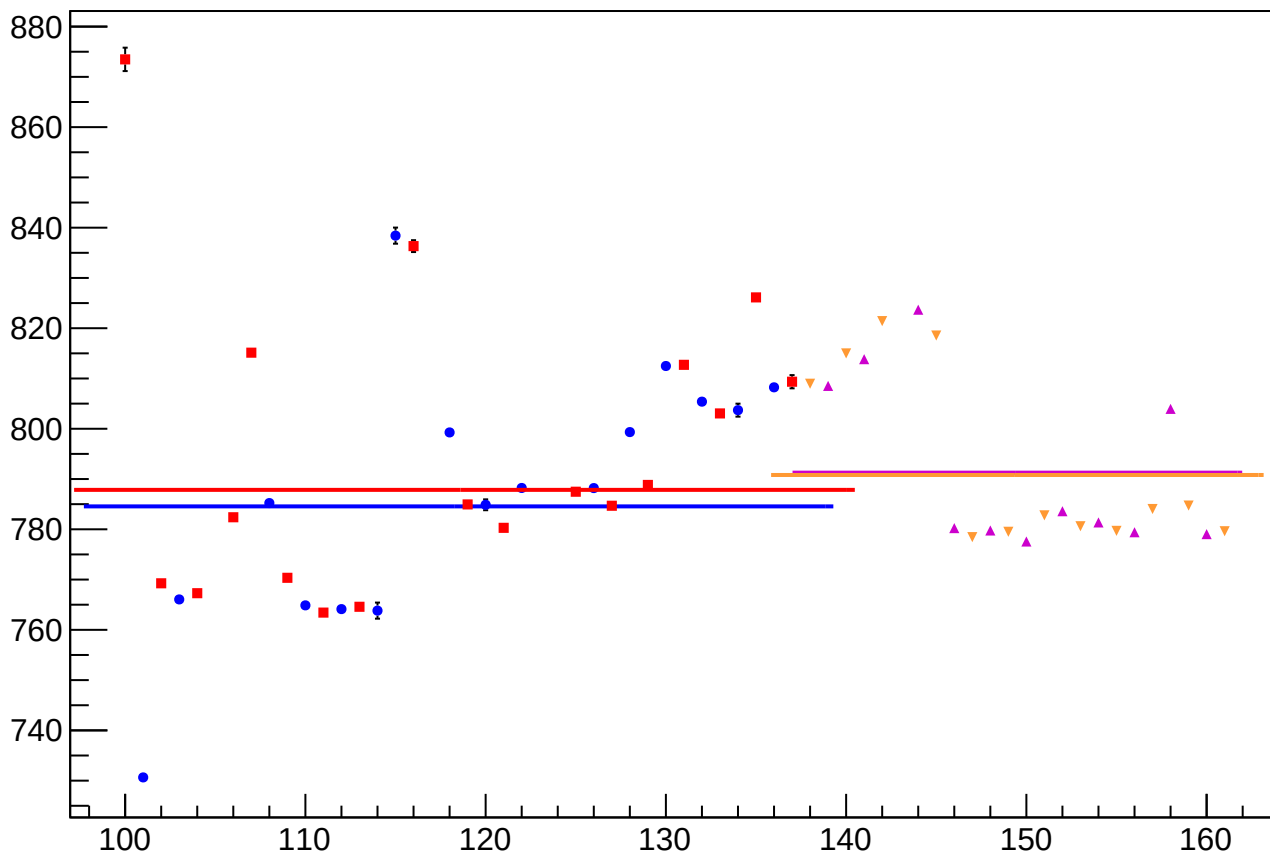
Left In: -454.316 ± 263.772 χ^2/NDF : 14.3/10

-276.577 ± 198.583 χ^2/NDF : 23.9/27

-262.506 ± 140.012 χ^2/NDF : 53.0/56

-248.597 ± 197.436 χ^2/NDF : 29.1/28

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

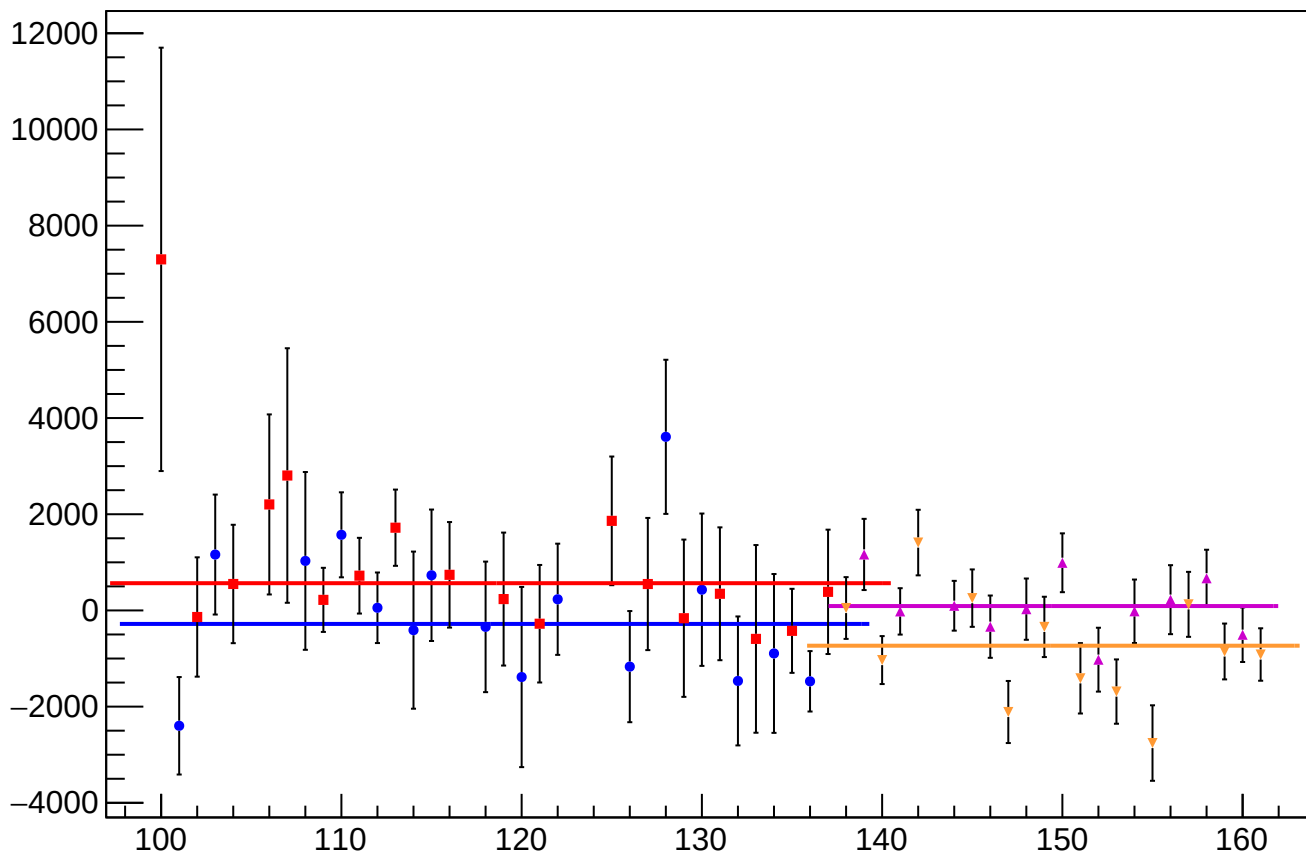
Left In: 791.269 ± 0.187 χ^2/NDF : 7434.4/10

788.151 ± 0.140 χ^2/NDF : 21313.4/27

788.962 ± 0.099 χ^2/NDF : 39871.3/56

789.763 ± 0.140 χ^2/NDF : 18491.7/28

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -280.632 $\pm$ 282.501 χ^2 /NDF: 23.1/15

Left Out: -733.401 $\pm$ 180.768 χ^2 /NDF:30.8/11

Right Out: 566.224 $\pm$ 272.883 χ^2 /NDF: 9.9/17

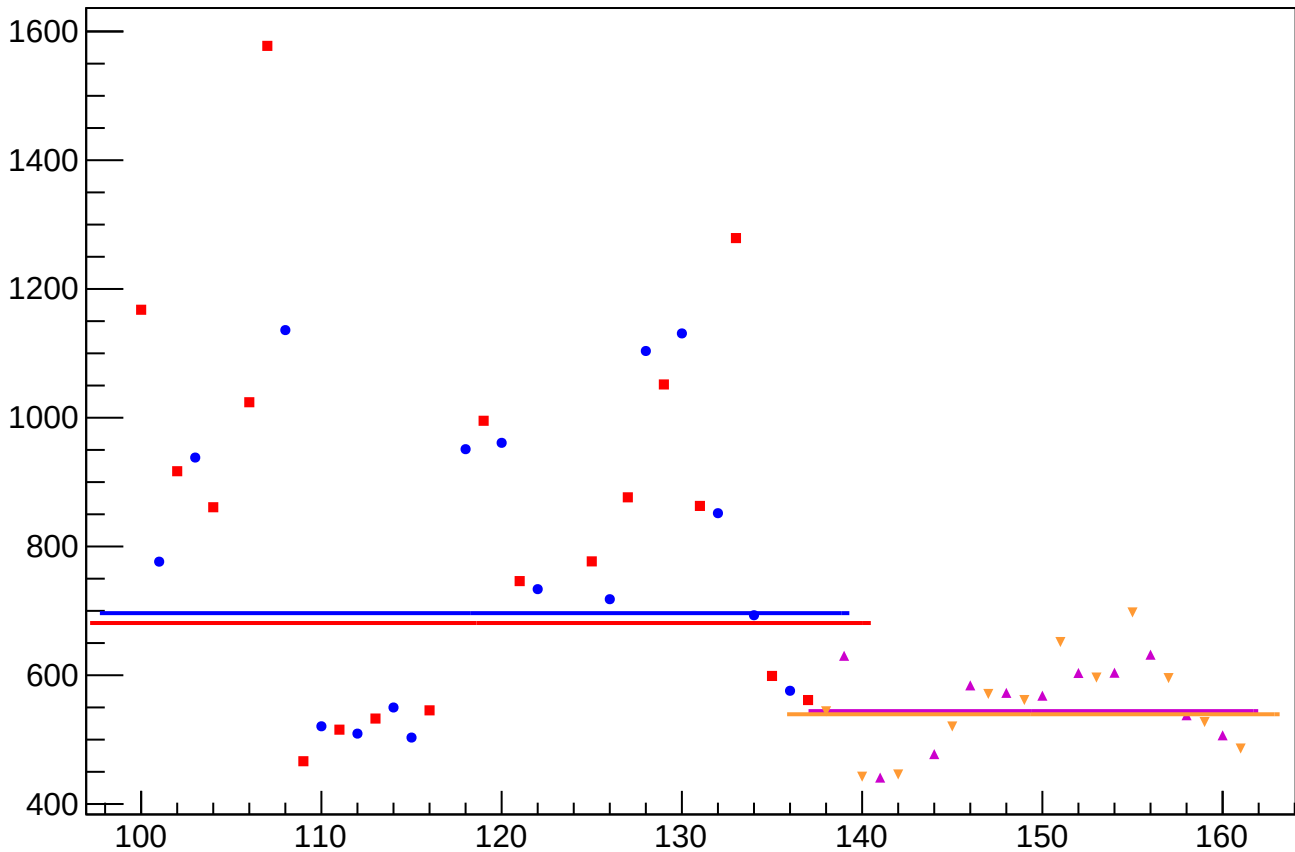
Left In: 91.037 $\pm$ 183.050 χ^2 /NDF:9.7/10

-601.870 $\pm$ 152.263 χ^2 /NDF: 55.7/27

-181.001 $\pm$ 107.579 χ^2 /NDF: 92.7/56

238.503 $\pm$ 152.016 χ^2 /NDF: 21.7/28

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 539.403 $\pm$ 0.128 χ^2/NDF : 299227.1/11

Right Out: 681.127 $\pm$ 0.193 χ^2/NDF : 1352555.6/17

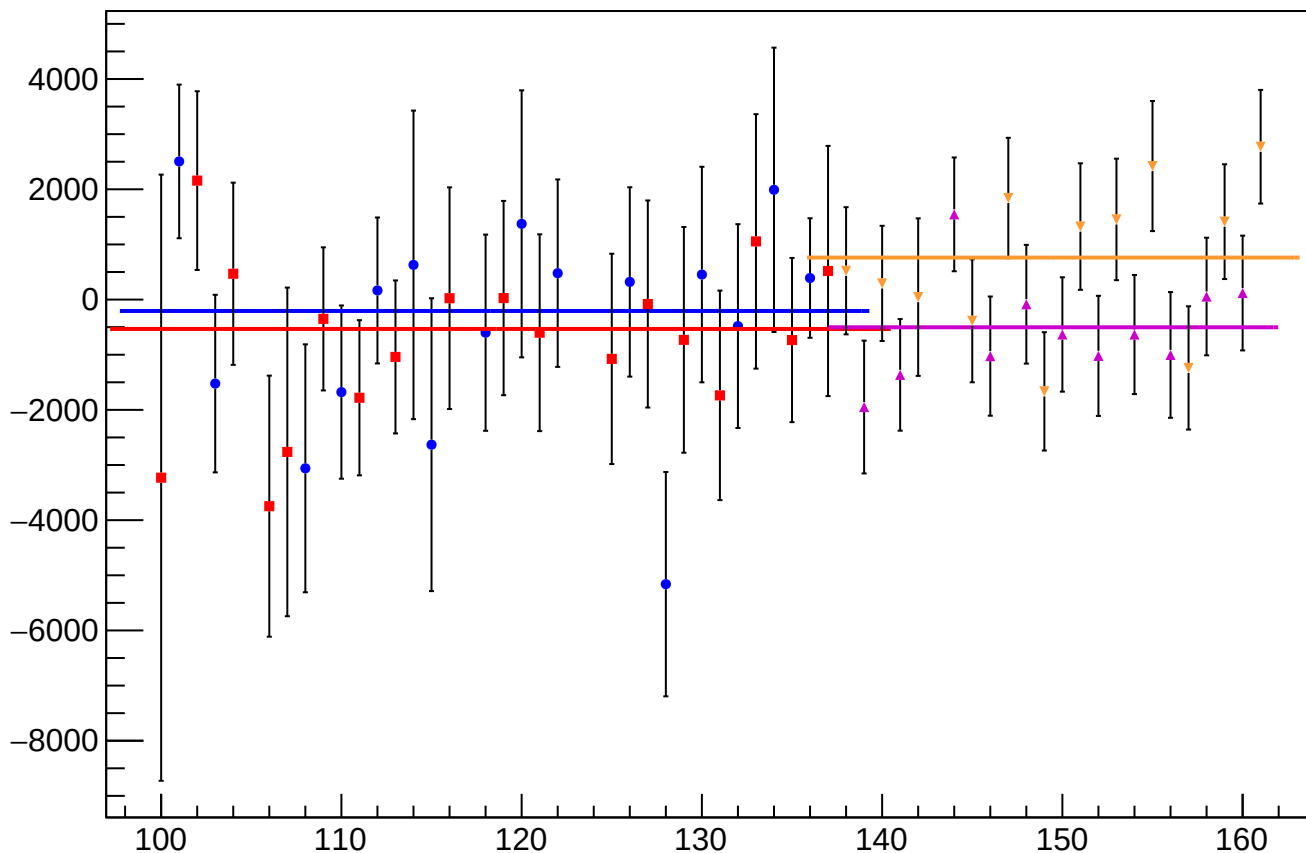
Left In: 544.294 $\pm$ 0.129 χ^2/NDF : 237764.9/10

585.029 $\pm$ 0.108 χ^2/NDF : 1697314.5/27

585.895 $\pm$ 0.076 χ^2/NDF : 3634578.3/56

586.757 $\pm$ 0.107 χ^2/NDF : 1937134.7/28

asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

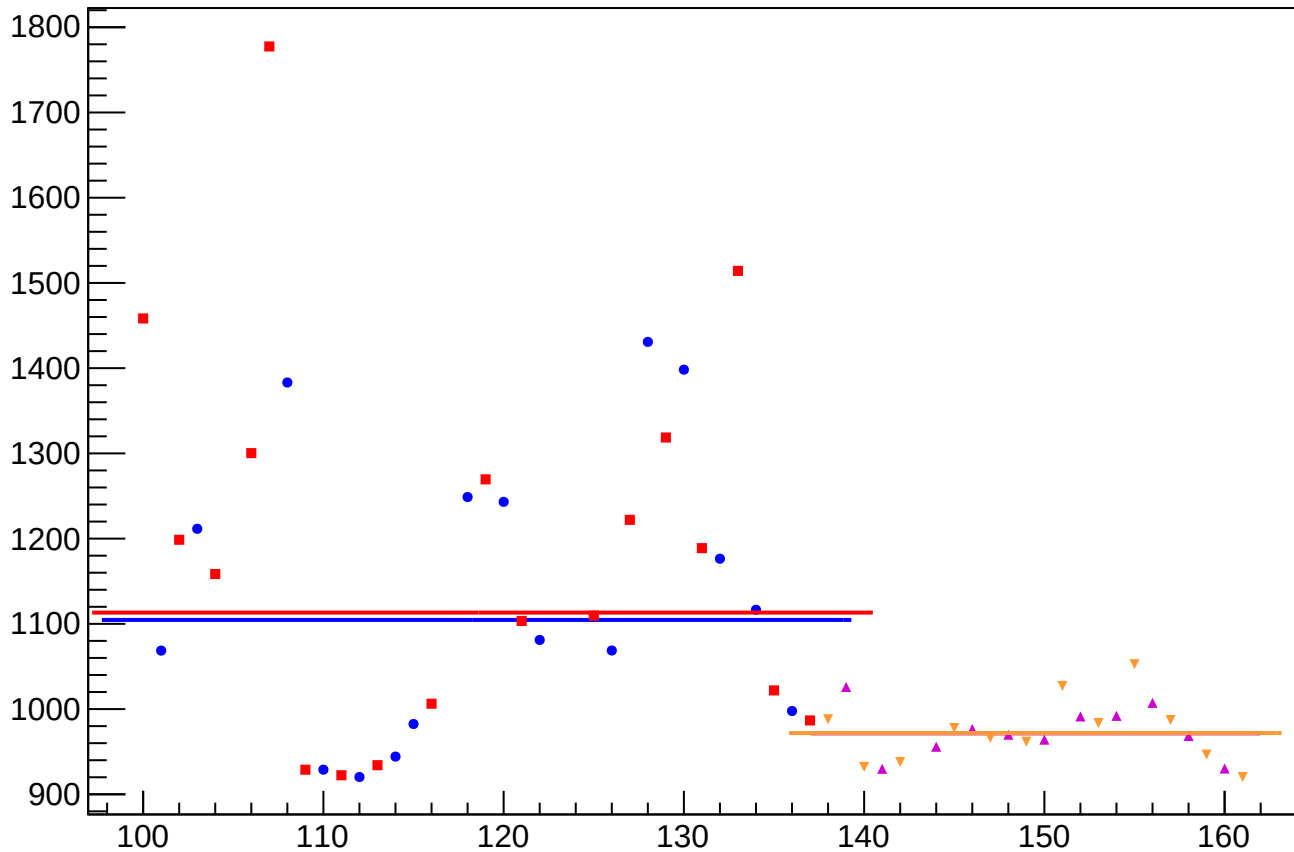
Left In: -501.967 ± 323.992 χ^2/NDF : 7.6/10

417.682 ± 258.610 χ^2/NDF : 36.6/27

-48.640 ± 182.696 χ^2/NDF : 58.9/56

-513.242 ± 258.132 χ^2/NDF : 15.7/28

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 971.872 ± 0.228 χ^2/NDF : 25556.0/11

Right Out: 1113.215 ± 0.302 χ^2/NDF : 362982.2/17

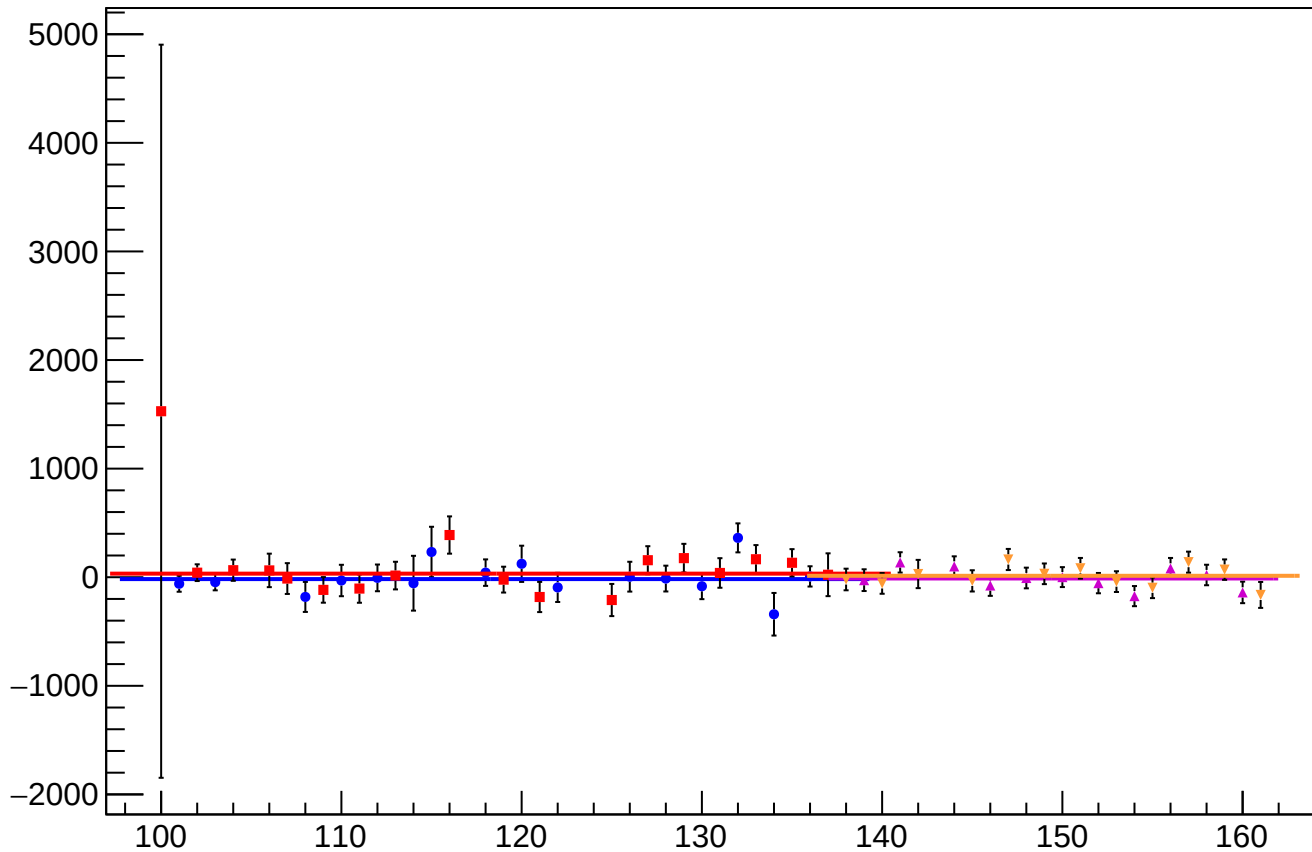
Left In: 971.465 ± 0.229 χ^2/NDF : 14601.6/10

1019.047 ± 0.183 χ^2/NDF : 401733.1/27

1021.146 ± 0.129 χ^2/NDF : 919401.5/56

1023.237 ± 0.183 χ^2/NDF : 517405.5/28

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 13.081+/-28.749 χ^2/NDF : 9.7/11

Right Out: 32.892+/-30.446 χ^2/NDF : 16.5/17

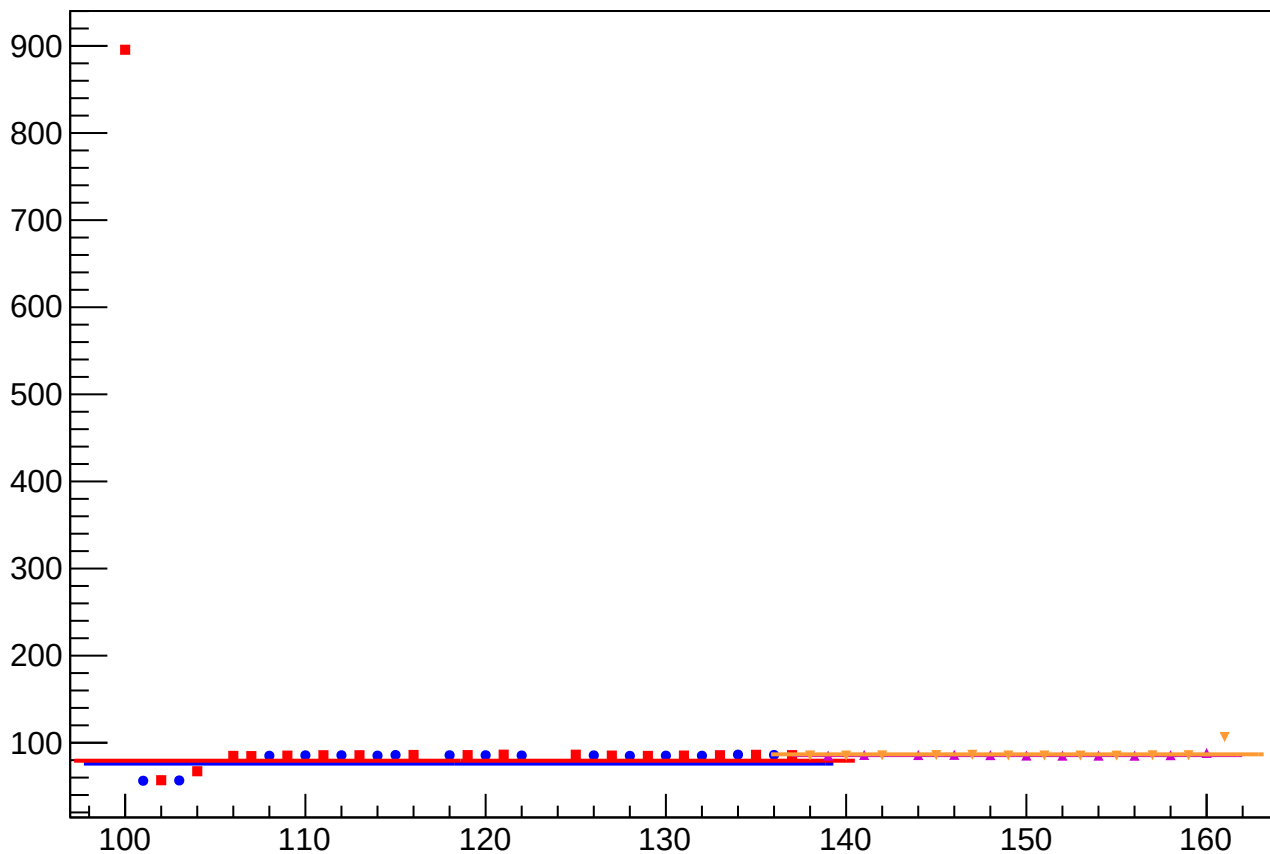
Left In: -11.646+/-28.617 χ^2/NDF : 10.4/10

-1.439+/-20.753 χ^2/NDF : 25.8/27

3.877+/-14.709 χ^2/NDF : 54.1/56

9.244+/-20.852 χ^2/NDF : 28.1/28

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

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

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

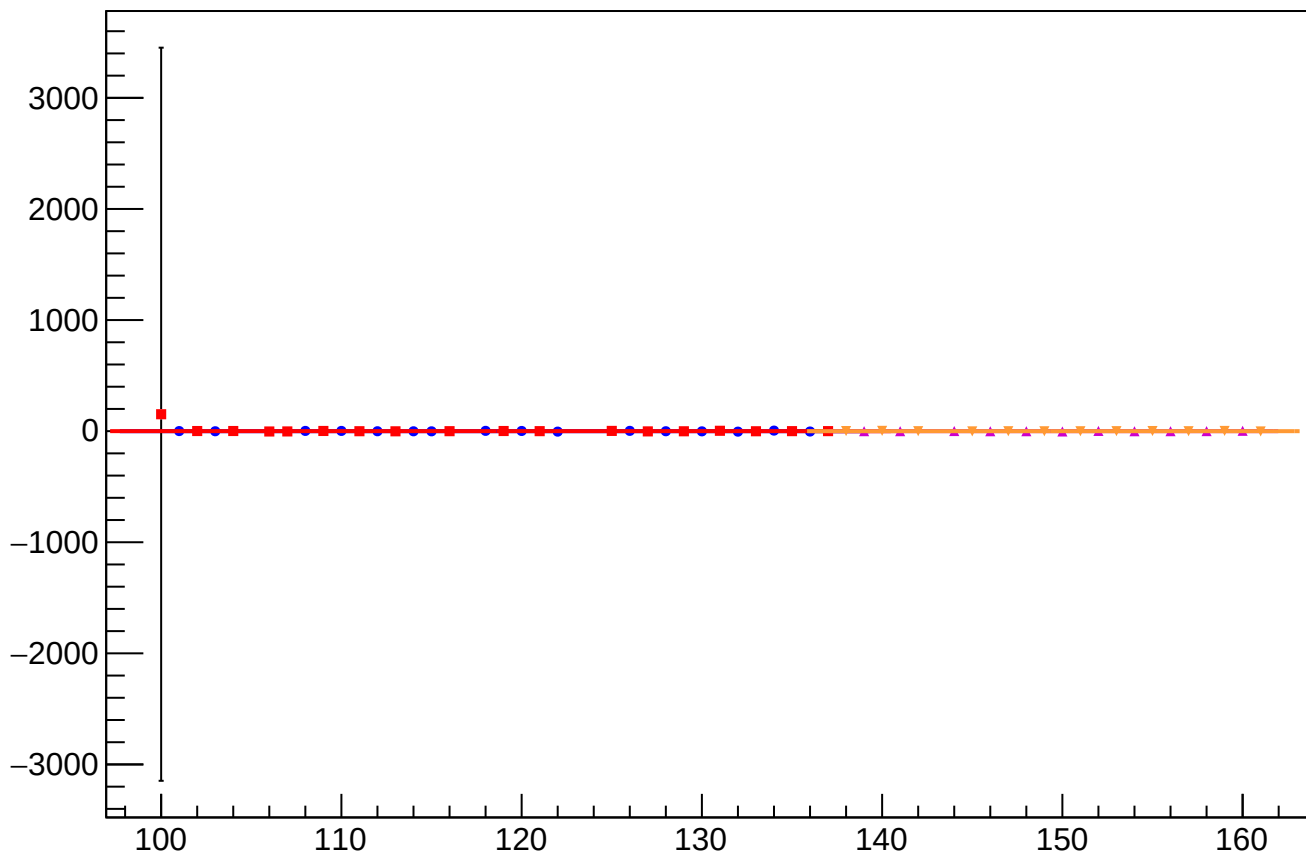
Left In: 85.823+/-0.020 χ^2/NDF : 1684.3/10

81.609+/-0.015 χ^2/NDF : 598536.6/27

82.205+/-0.010 χ^2/NDF : 1029464.3/56

82.806+/-0.015 χ^2/NDF : 427620.7/28

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

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

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

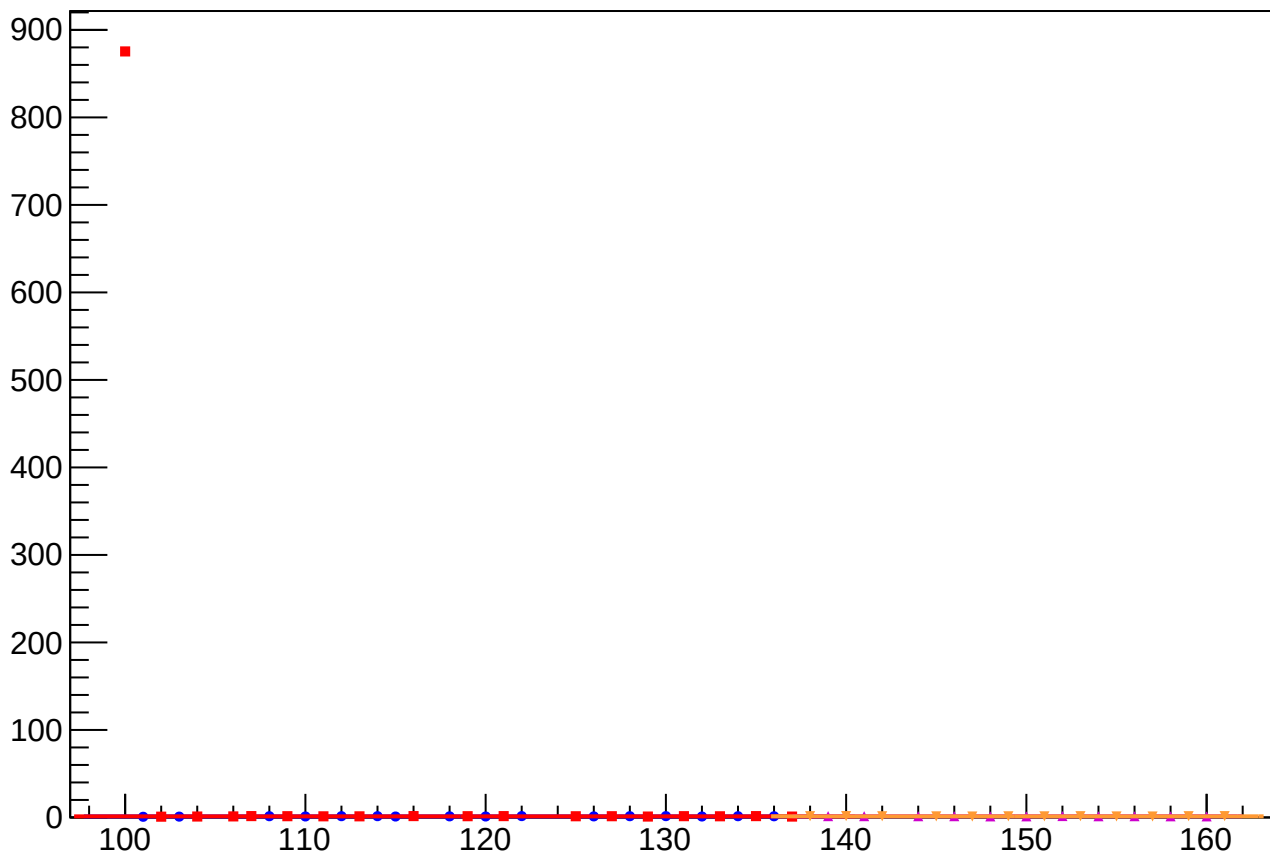
Left In: 0.080 ± 0.504 χ^2/NDF : 9.5/10

-0.265 ± 0.346 χ^2/NDF : 29.6/27

-0.101 ± 0.250 χ^2/NDF : 48.6/56

0.079 ± 0.362 χ^2/NDF : 18.5/28

asym_ds_avg_correction_rms vs Slug, Sign Corrected



Right In: 1.152+/-0.000 χ^2/NDF : 514348.9/15

Left Out: 1.297+/-0.000 χ^2/NDF : 210166.2/11

Right Out: 1.247+/-0.000 χ^2/NDF : 517130.7/17

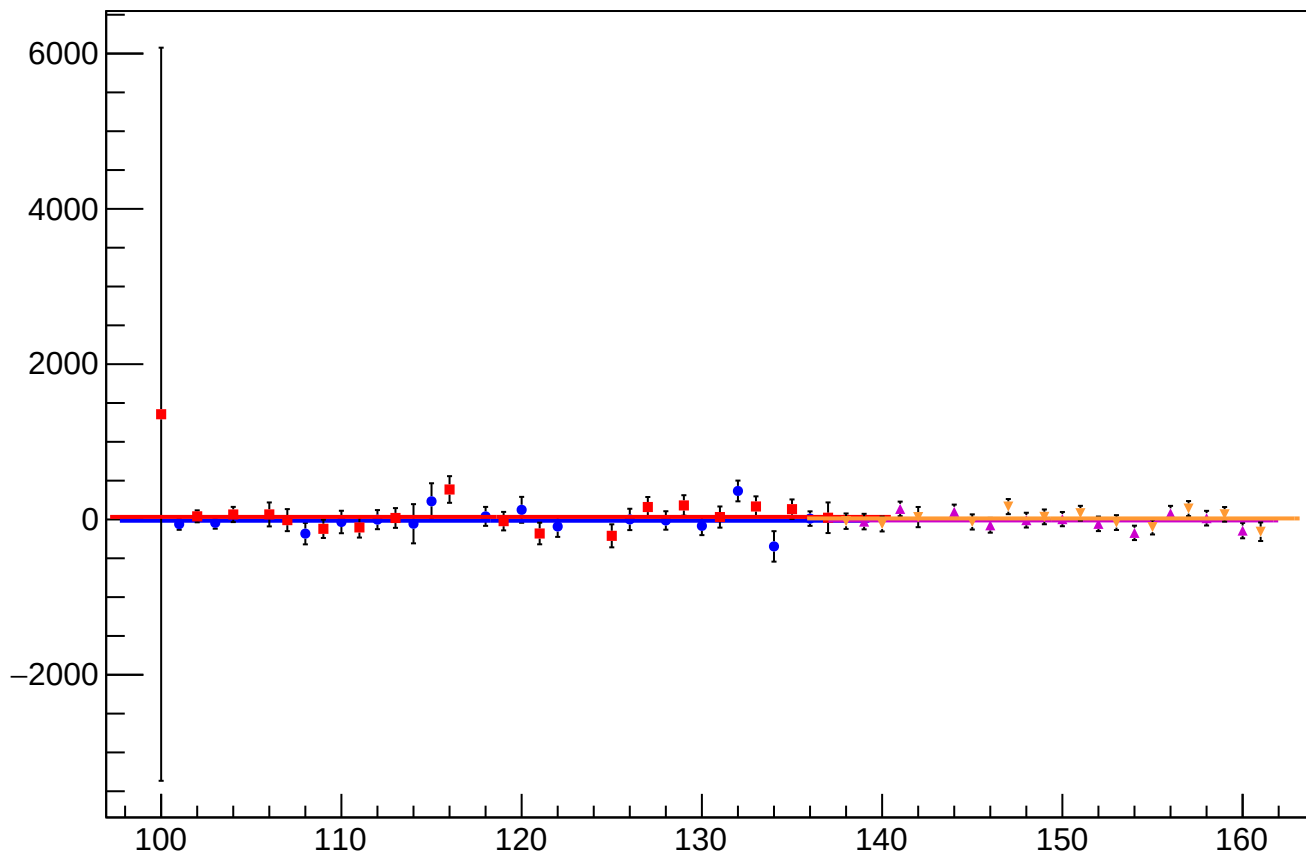
Left In: 1.390+/-0.000 χ^2/NDF : 97716.4/10

1.228+/-0.000 χ^2/NDF : 811743.6/27

1.272+/-0.000 χ^2/NDF : 1573201.7/56

1.321+/-0.000 χ^2/NDF : 692780.3/28

asym_ds_avg_mean vs Slug, Sign Corrected



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

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

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

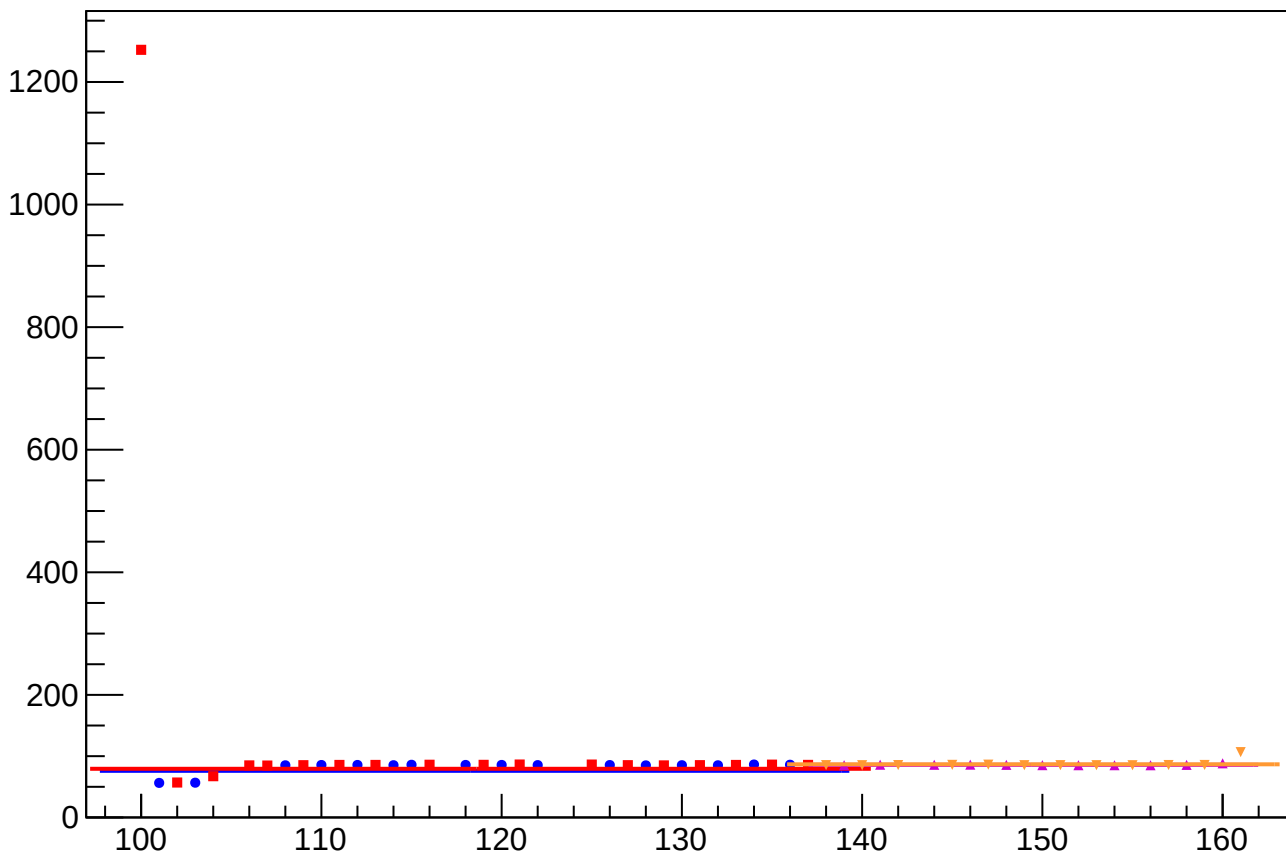
Left In: -12.207 ± 28.625 χ^2/NDF : 10.4/10

-0.838 ± 20.758 χ^2/NDF : 26.1/27

4.083 ± 14.713 χ^2/NDF : 54.2/56

9.051 ± 20.858 χ^2/NDF : 28.1/28

asym_ds_avg_rms vs Slug, Sign Corrected



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

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

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

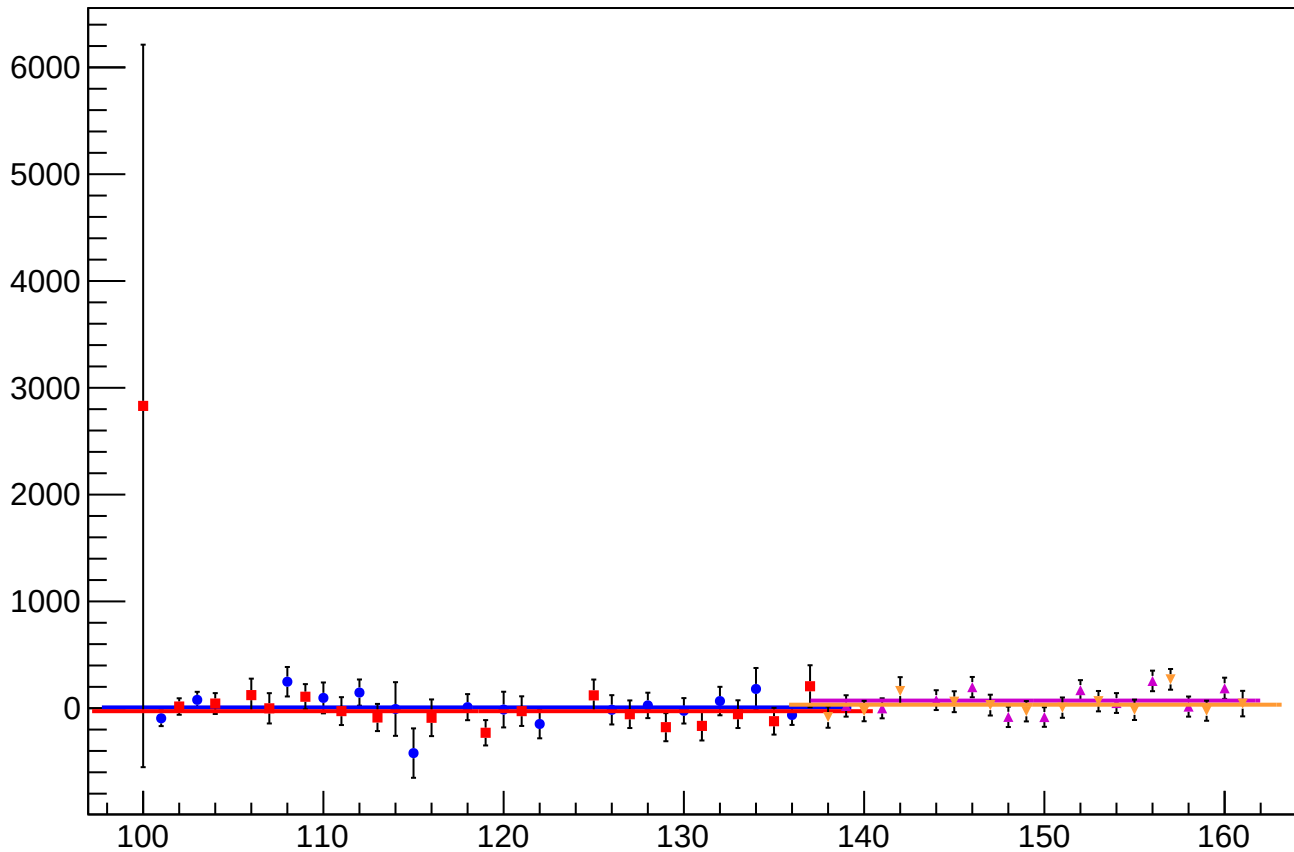
Left In: 85.846+/-0.020 χ^2 /NDF: 1687.0/10

81.631+/-0.015 χ^2 /NDF: 598611.1/27

82.222+/-0.010 χ^2 /NDF: 1036291.6/56

82.820+/-0.015 χ^2 /NDF: 434415.9/28

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 32.959 $\pm$ 28.749 χ^2 /NDF:10.0/11

Right Out: -27.920 $\pm$ 30.428 χ^2 /NDF: 12.5/17

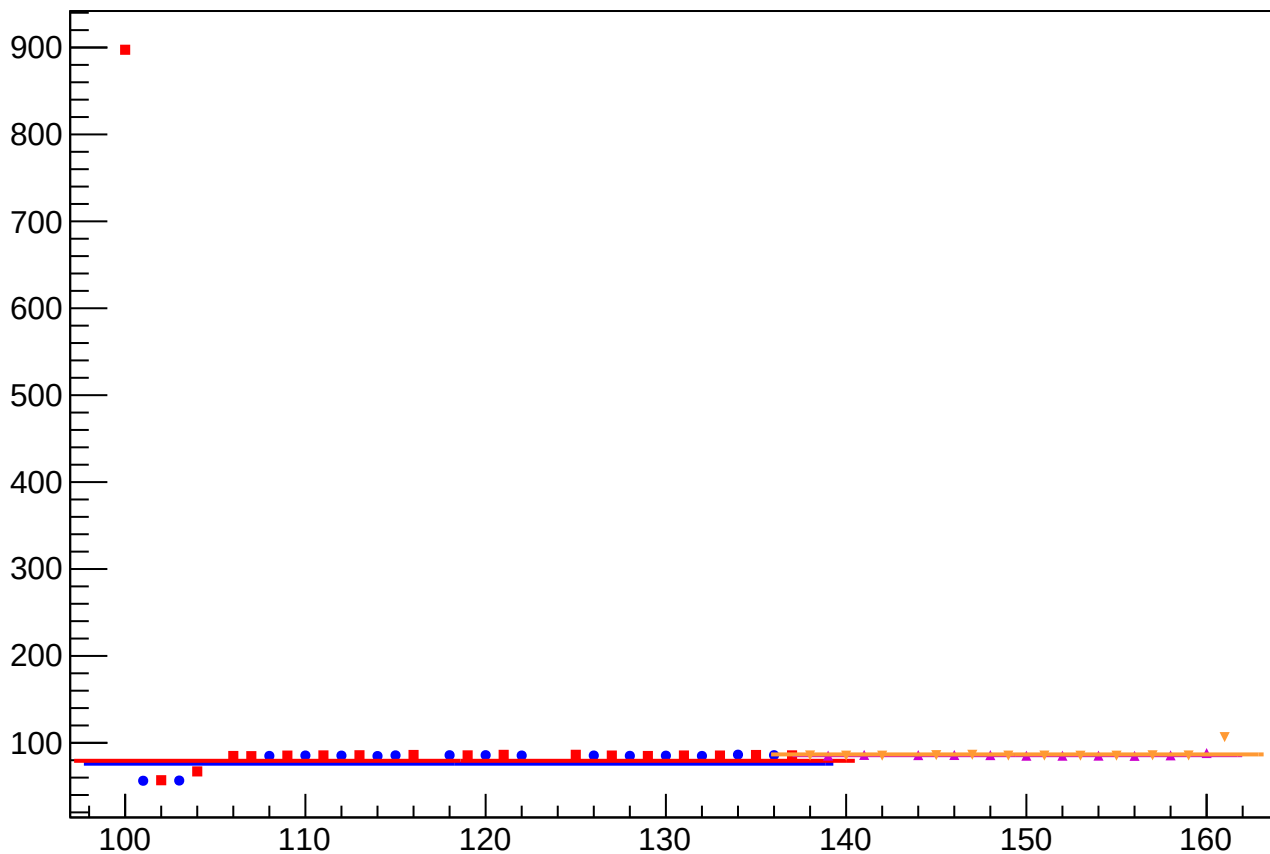
Left In: 71.338 $\pm$ 28.612 χ^2 /NDF:14.5/10

20.739 $\pm$ 20.746 χ^2 /NDF: 24.3/27

22.740 $\pm$ 14.704 χ^2 /NDF: 57.0/56

24.759 $\pm$ 20.844 χ^2 /NDF: 32.6/28

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

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

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

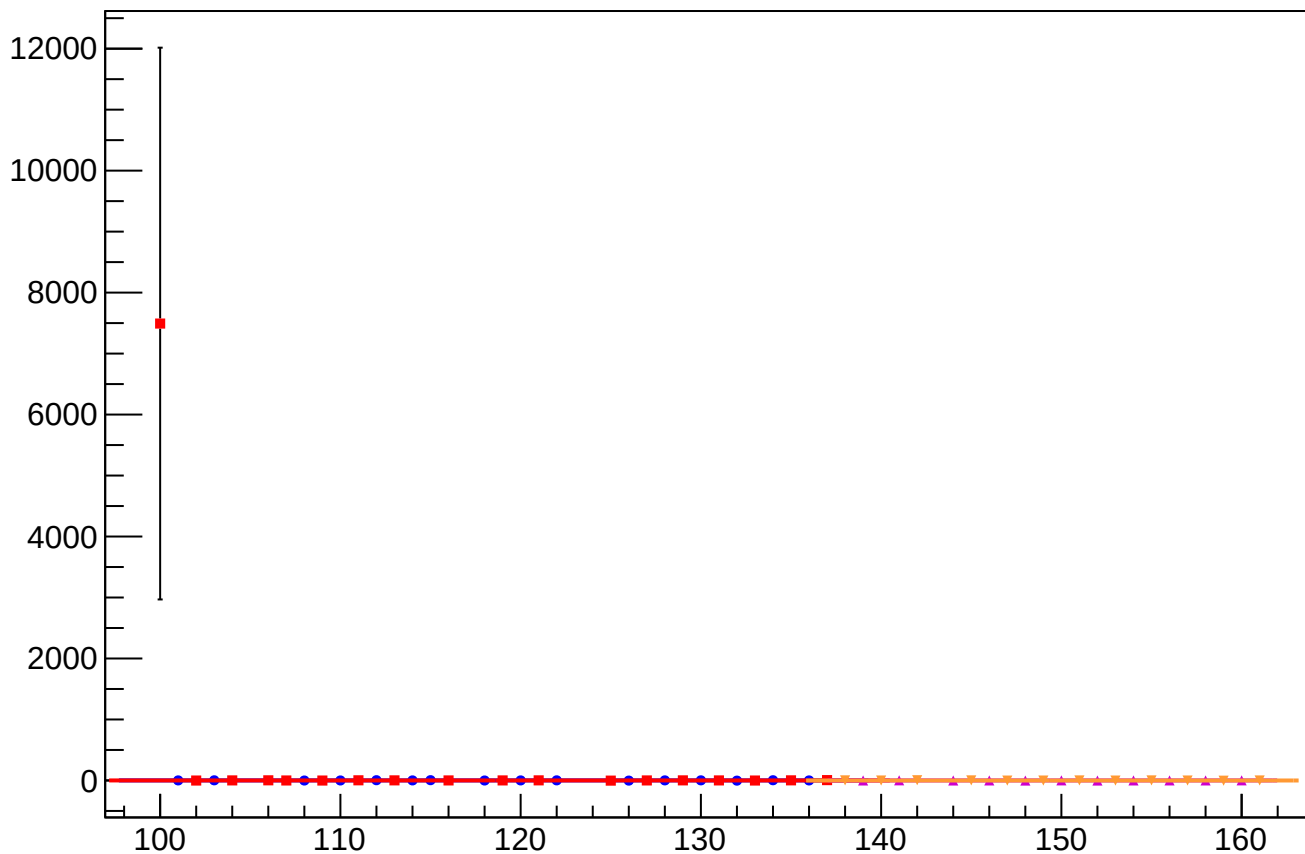
Left In: 85.807 $\pm$ 0.020 χ^2 /NDF: 1674.8/10

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

82.175 $\pm$ 0.010 χ^2 /NDF: 1030959.4/56

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

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

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

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

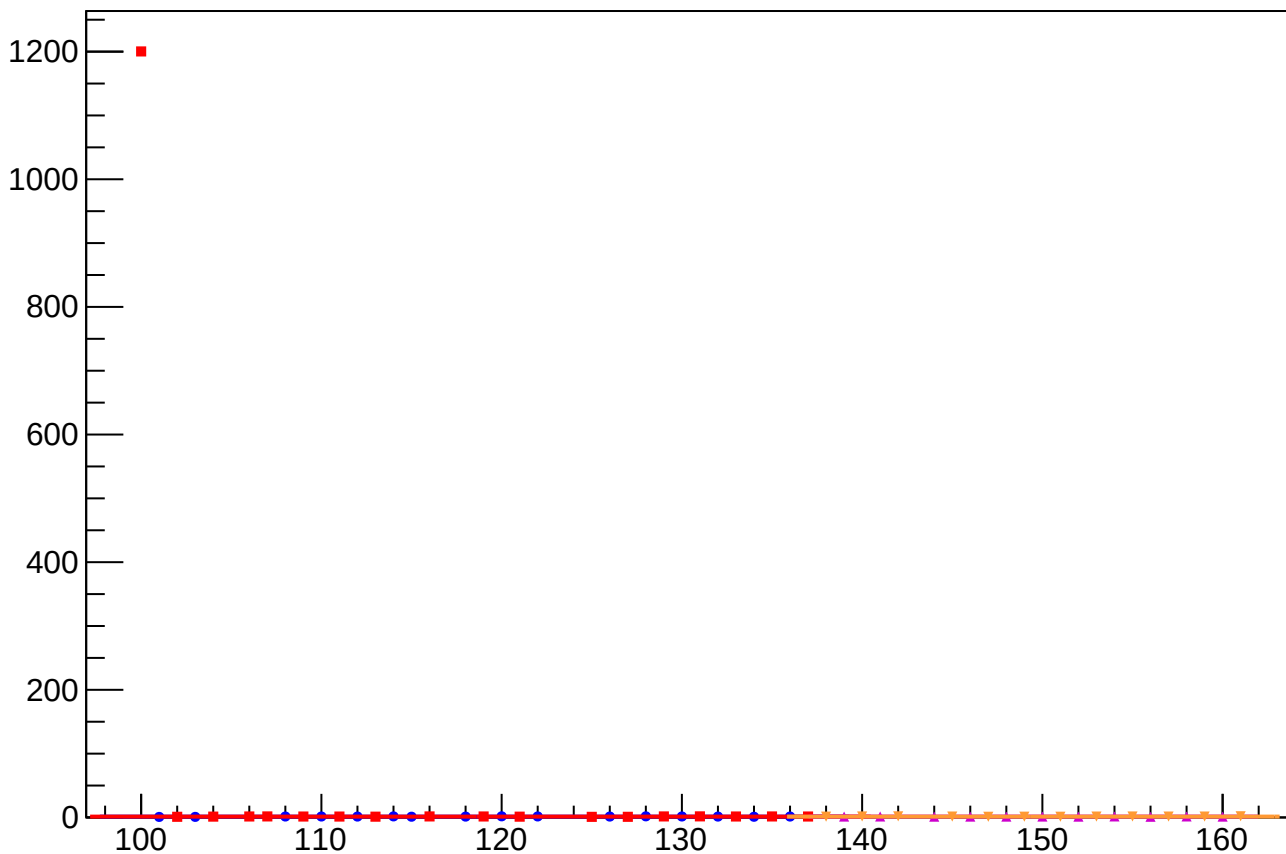
Left In: 0.274 ± 0.498 χ^2/NDF : 5.7/10

0.091 ± 0.362 χ^2/NDF : 28.9/27

0.190 ± 0.258 χ^2/NDF : 47.3/56

0.292 ± 0.369 χ^2/NDF : 18.3/28

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.350+/-0.000 χ^2/NDF : 327084.8/11

Right Out: 1.317+/-0.000 χ^2/NDF : 521587.9/17

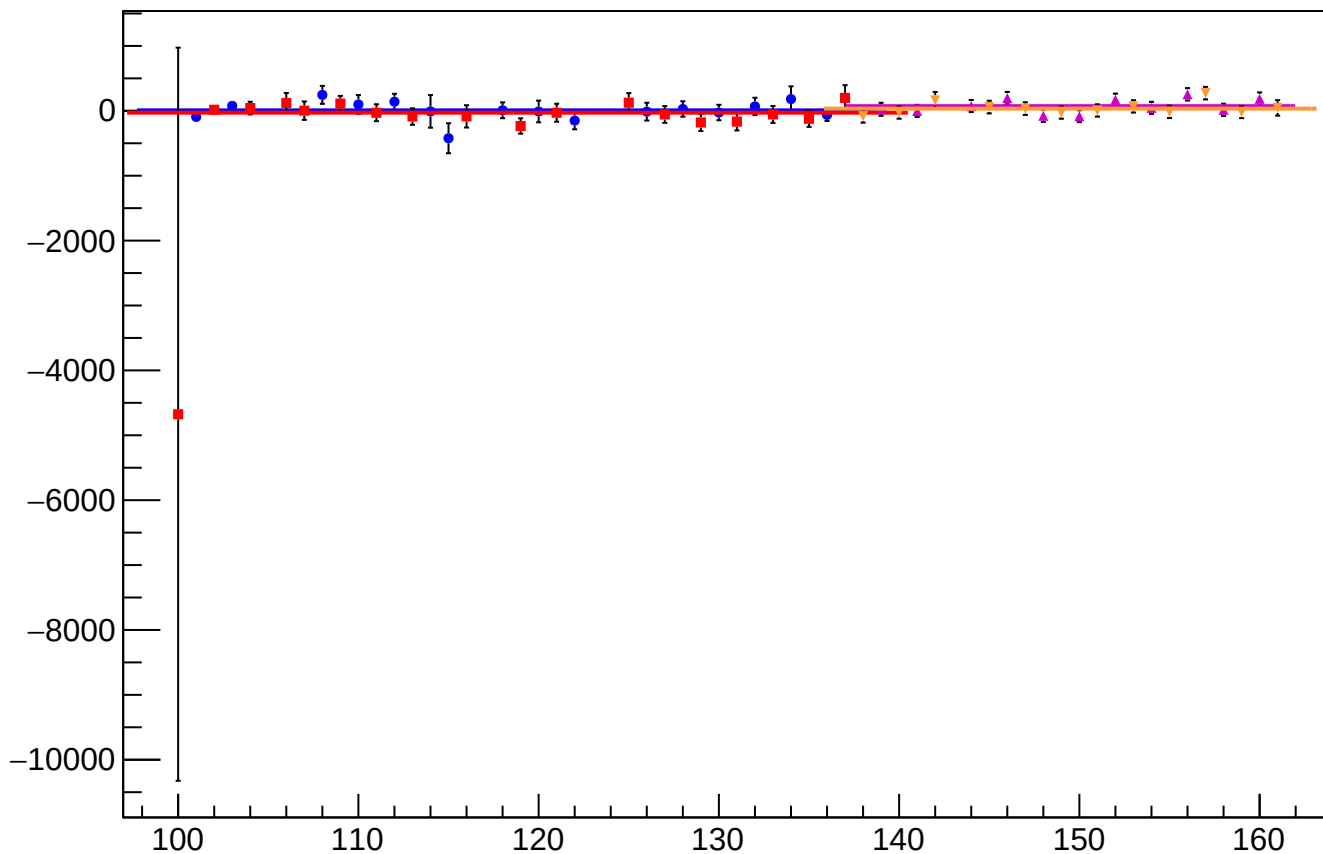
Left In: 1.363+/-0.000 χ^2/NDF : 182196.6/10

1.298+/-0.000 χ^2/NDF : 1032649.9/27

1.320+/-0.000 χ^2/NDF : 1758431.4/56

1.342+/-0.000 χ^2/NDF : 711186.7/28

asym_ds_dd_mean vs Slug, Sign Corrected



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

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

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

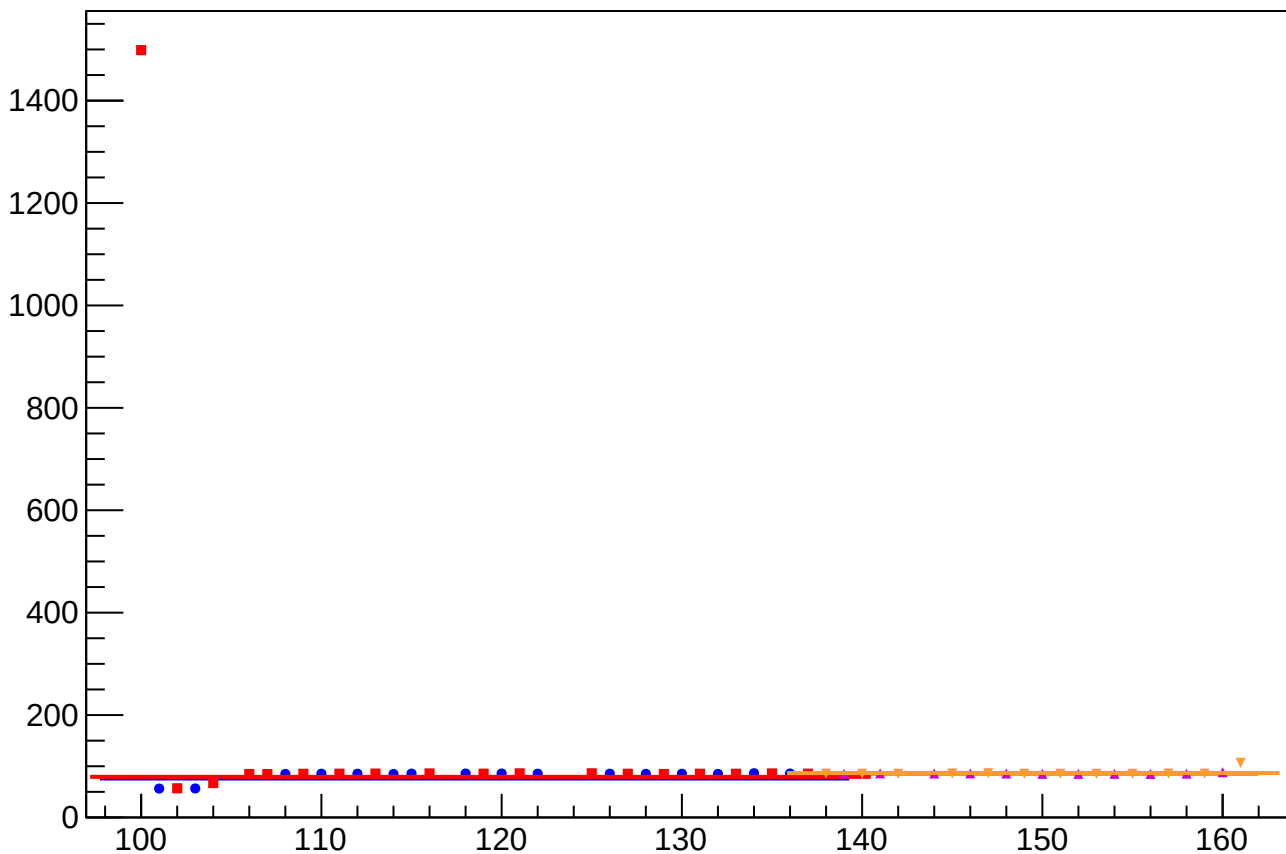
Left In: 71.348 ± 28.620 χ^2/NDF : 14.3/10

21.071 ± 20.752 χ^2/NDF : 24.3/27

22.763 ± 14.708 χ^2/NDF : 57.0/56

24.470 ± 20.850 χ^2/NDF : 32.7/28

asym_ds_dd_rms vs Slug, Sign Corrected



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

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

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

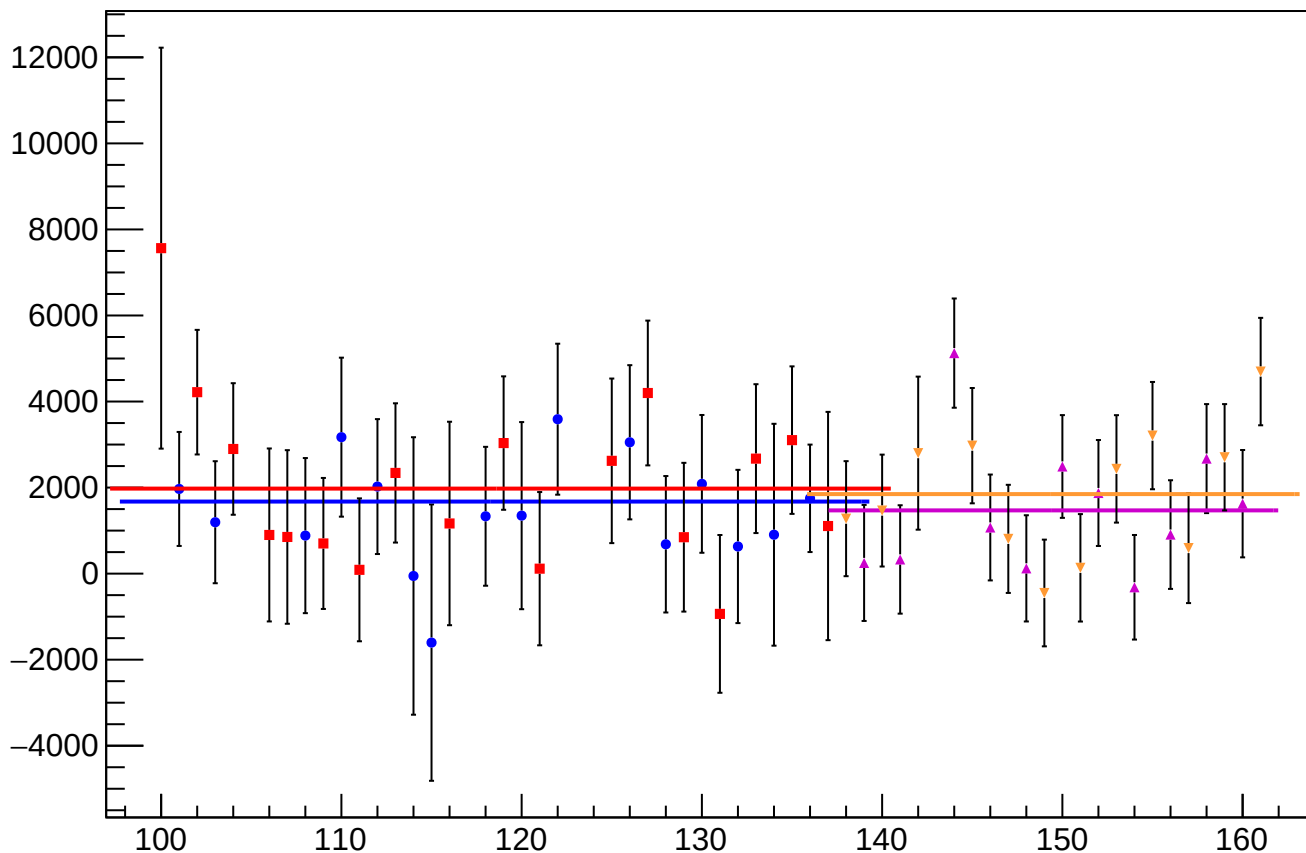
Left In: 85.831 $\pm$ 0.020 χ^2 /NDF: 1682.0/10

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

82.192 $\pm$ 0.010 χ^2 /NDF: 1040606.1/56

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

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1848.543 $\pm$ 374.214 χ^2 /NDF: 15.3/11

Right Out: 1976.296 $\pm$ 422.405 χ^2 /NDF: 14.0/17

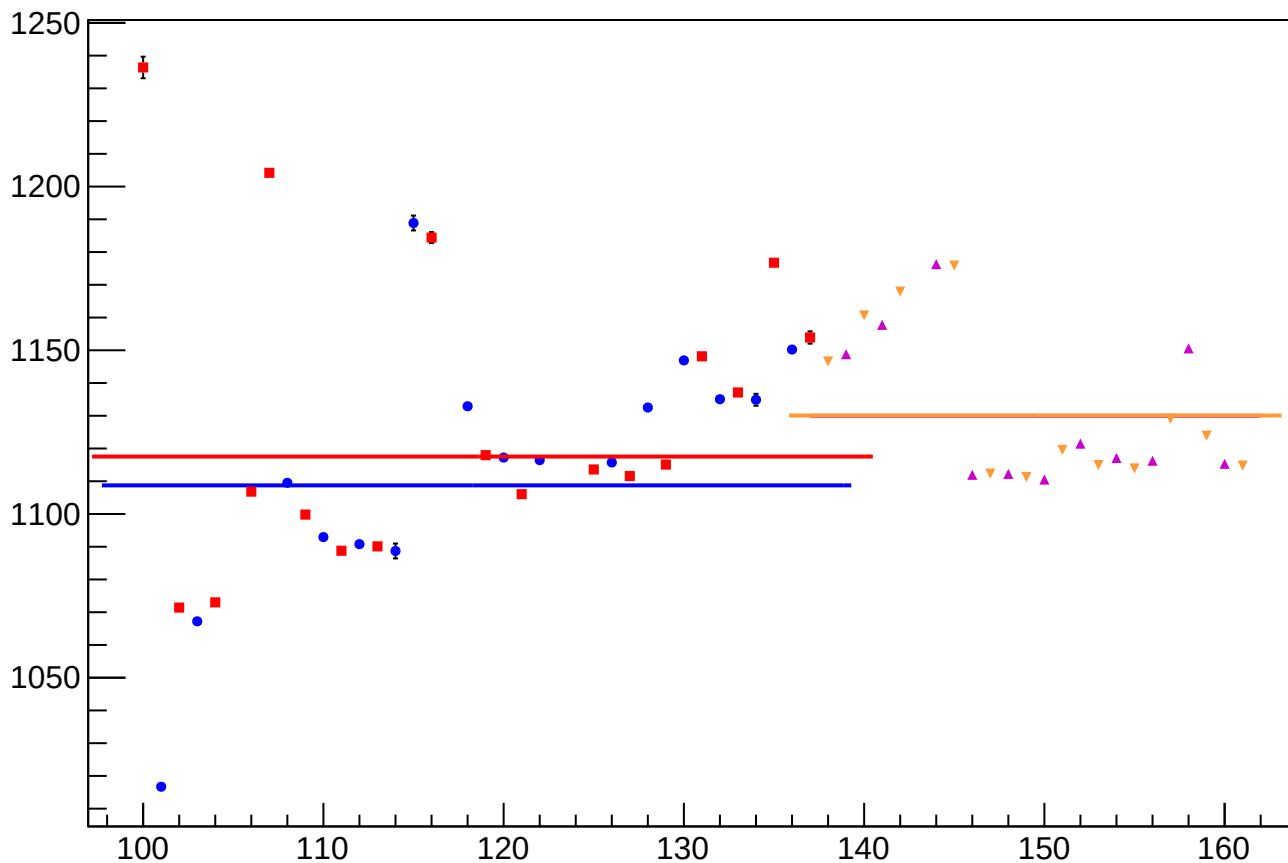
Left In: 1469.935 $\pm$ 376.678 χ^2 /NDF: 15.3/10

1773.867 $\pm$ 282.455 χ^2 /NDF: 20.5/27

1733.864 $\pm$ 199.257 χ^2 /NDF: 50.8/56

1694.234 $\pm$ 281.134 χ^2 /NDF: 30.2/28

reg_asym_usl_rms vs Slug, Sign Corrected



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

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

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

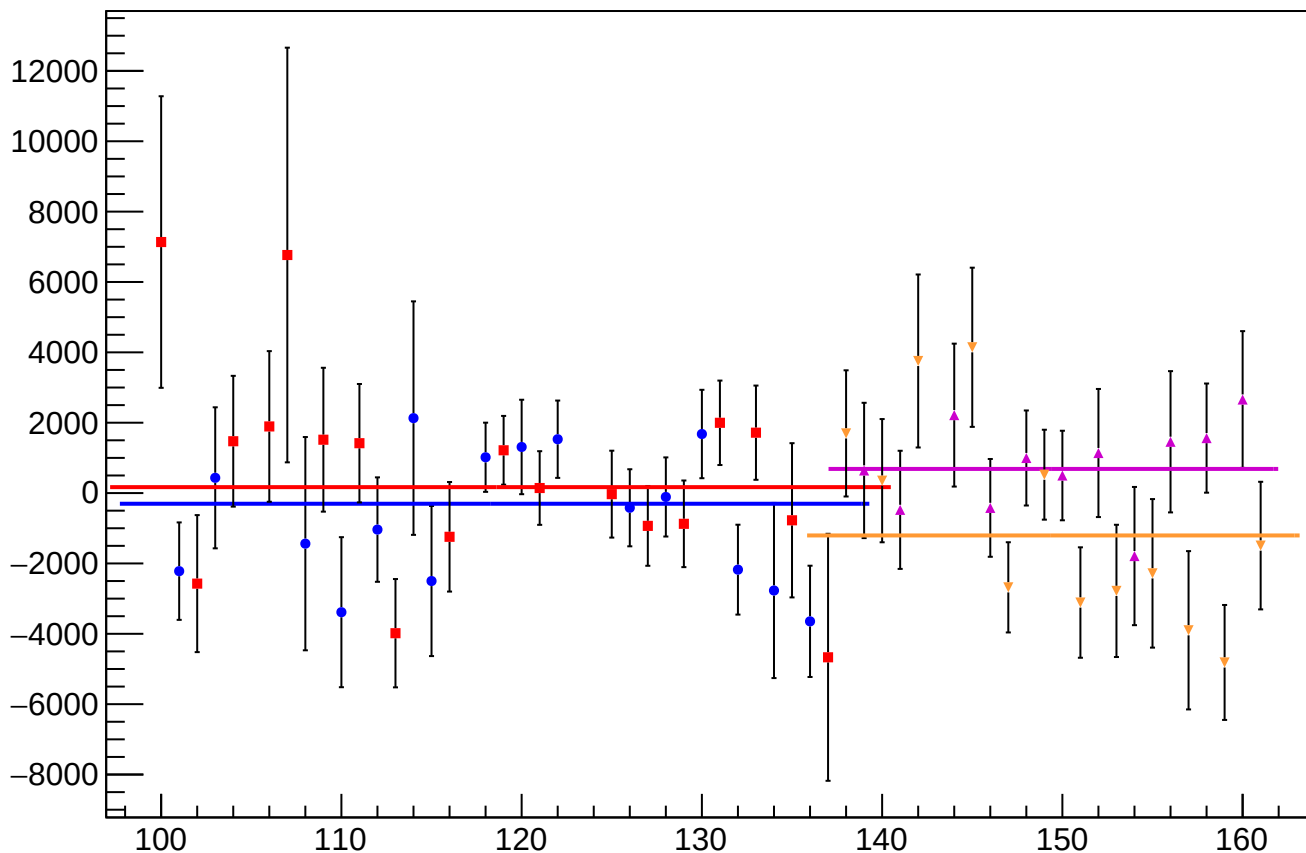
Left In: 1129.979 $\pm$ 0.266 χ^2 /NDF: 6761.0/10

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

1122.690 $\pm$ 0.141 χ^2 /NDF: 50912.9/56

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

asym_usl_correction_mean vs Slug, Sign Corrected



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

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

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

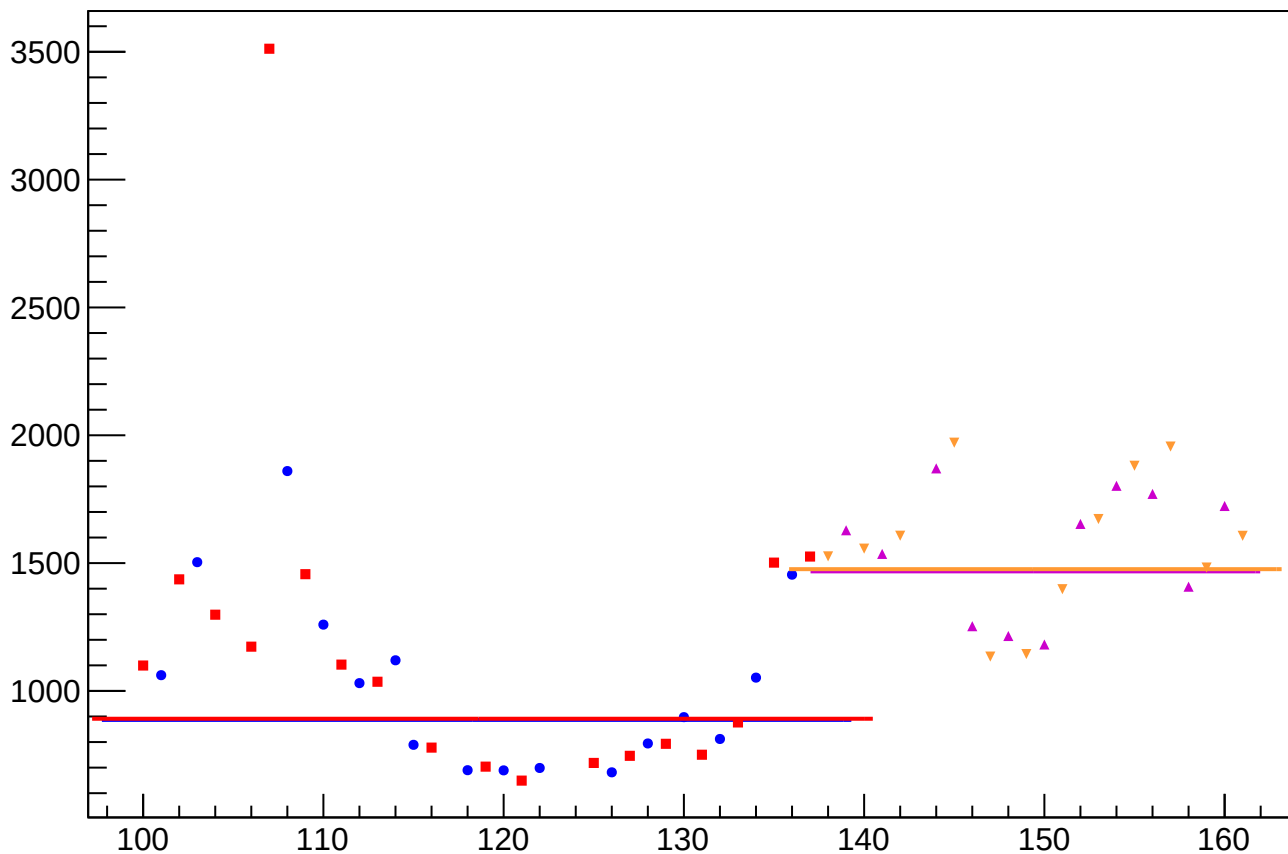
Left In: 686.533+/-497.514 χ^2/NDF : 4.9/10

-611.414+/-292.086 χ^2/NDF : 49.4/27

-129.538+/-205.666 χ^2/NDF : 85.3/56

344.309+/-289.642 χ^2/NDF : 30.5/28

asym_usl_correction_rms vs Slug, Sign Corrected



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

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

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

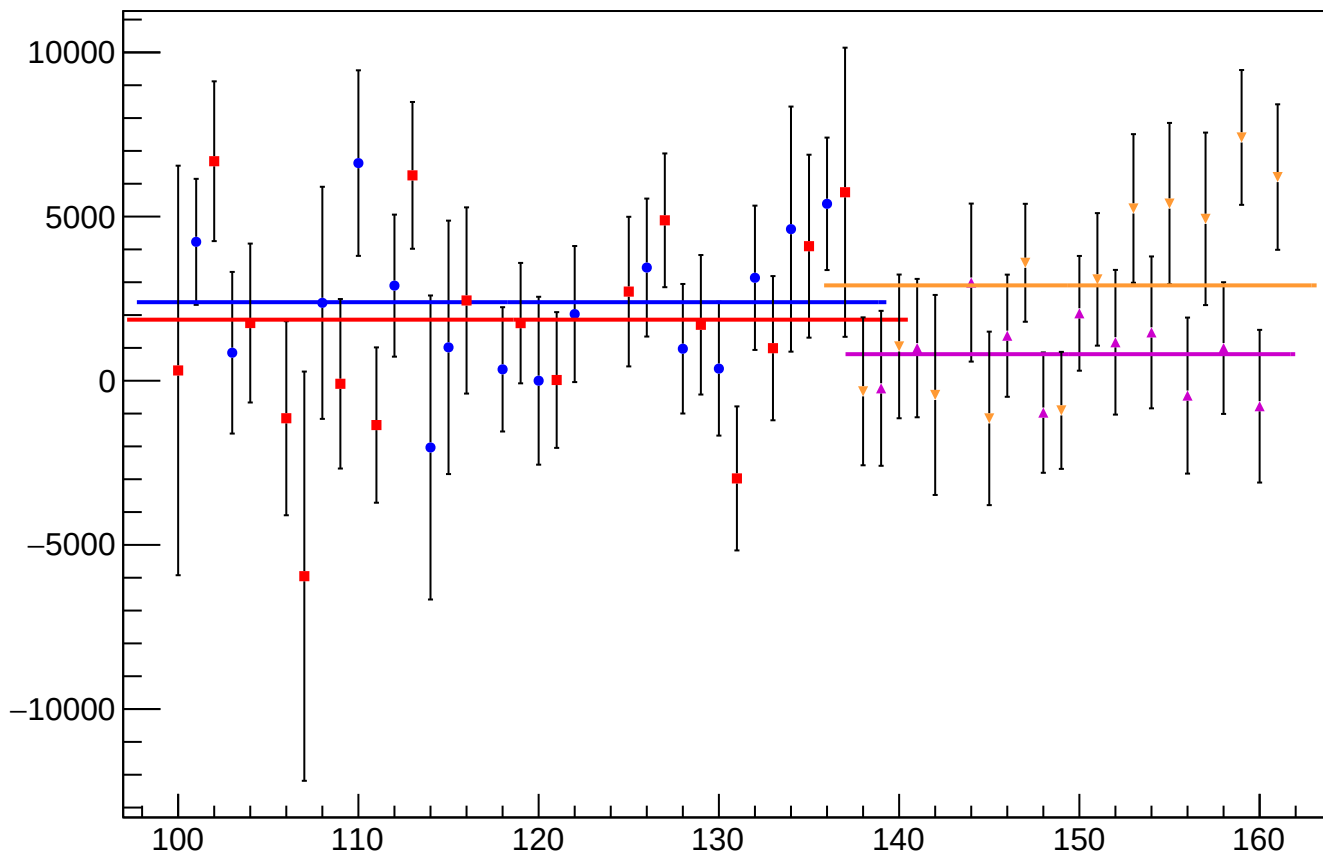
Left In: 1467.666+/-0.352 χ^2/NDF : 476730.7/10

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

1087.439+/-0.145 χ^2/NDF : 7146607.8/56

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

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2904.229 $\pm$ 635.788 χ^2 /NDF: 20.8/11

Right Out: 1859.867 $\pm$ 583.119 χ^2 /NDF: 22.5/17

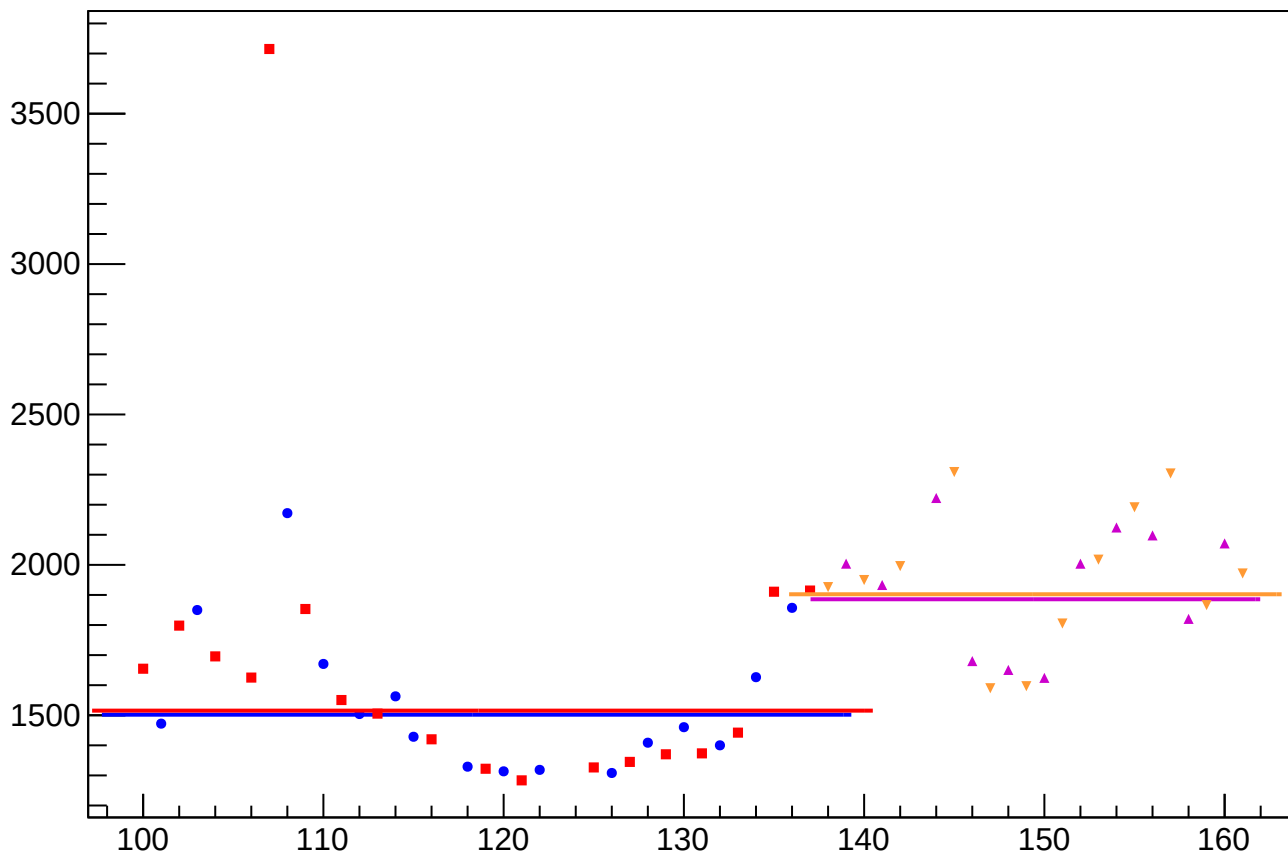
Left In: 808.901 $\pm$ 633.081 χ^2 /NDF: 3.4/10

2628.779 $\pm$ 432.077 χ^2 /NDF: 32.3/27

1998.521 $\pm$ 304.397 χ^2 /NDF: 63.9/56

1377.486 $\pm$ 428.904 χ^2 /NDF: 27.4/28

asym_usl_rms vs Slug, Sign Corrected



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

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

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

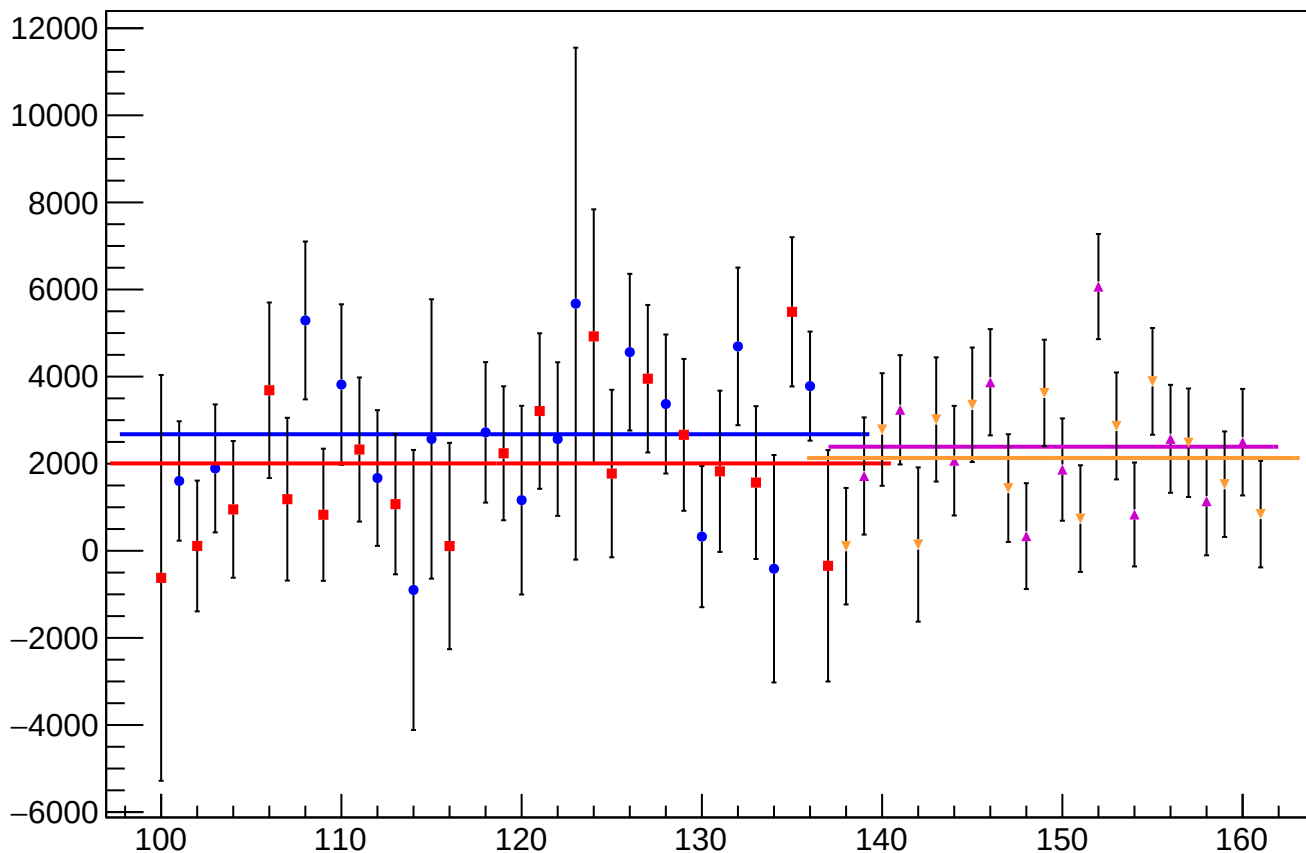
Left In: 1885.653 $\pm$ 0.448 χ^2 /NDF: 205053.9/10

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

1686.084 $\pm$ 0.215 χ^2 /NDF: 1992734.2/56

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

reg_asym_usr_mean vs Slug, Sign Corrected



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

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

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

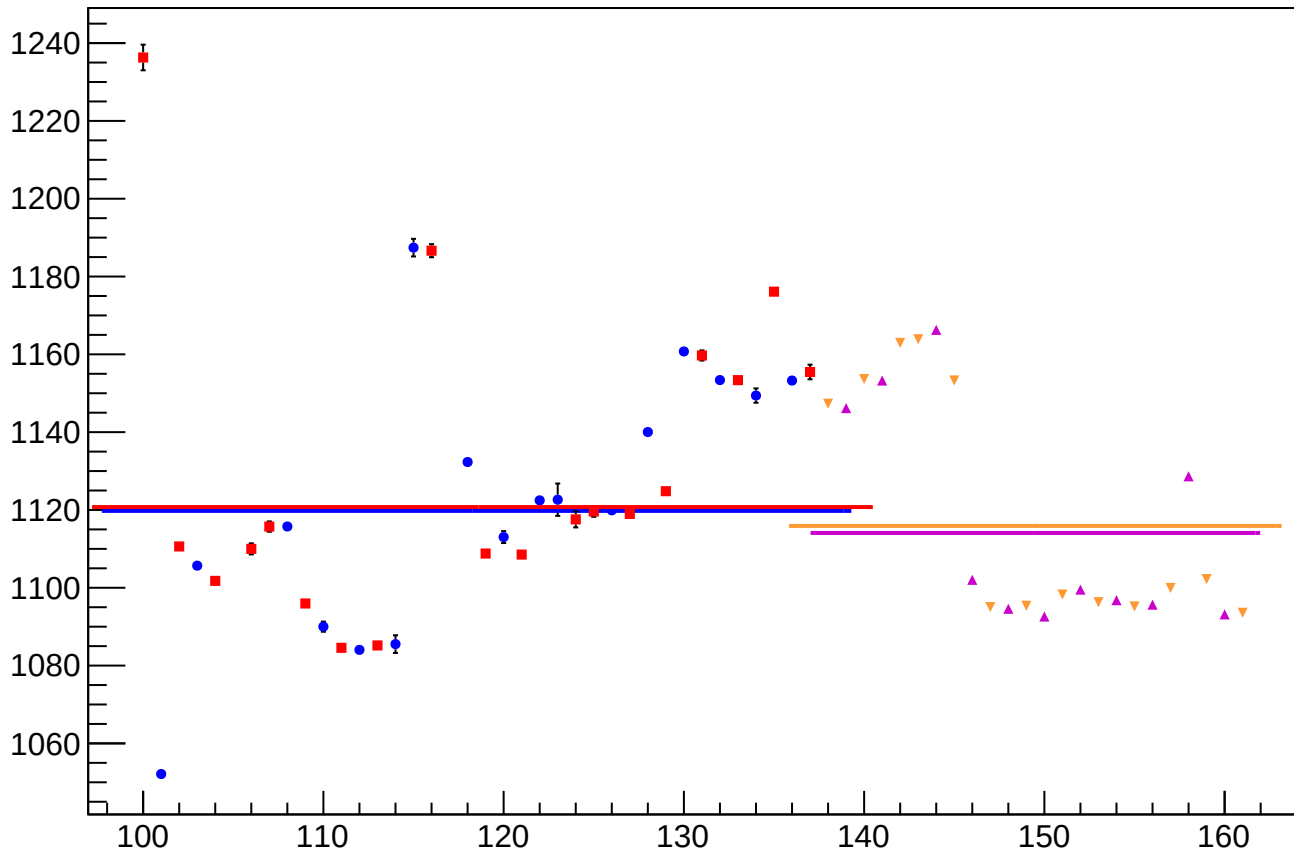
Left In: 2389.714 ± 371.415 χ^2/NDF : 17.3/10

2351.818 ± 275.499 χ^2/NDF : 25.5/29

2287.097 ± 195.680 χ^2/NDF : 56.2/59

2221.202 ± 277.986 χ^2/NDF : 30.6/29

reg_asym_usr_rms vs Slug, Sign Corrected



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

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

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

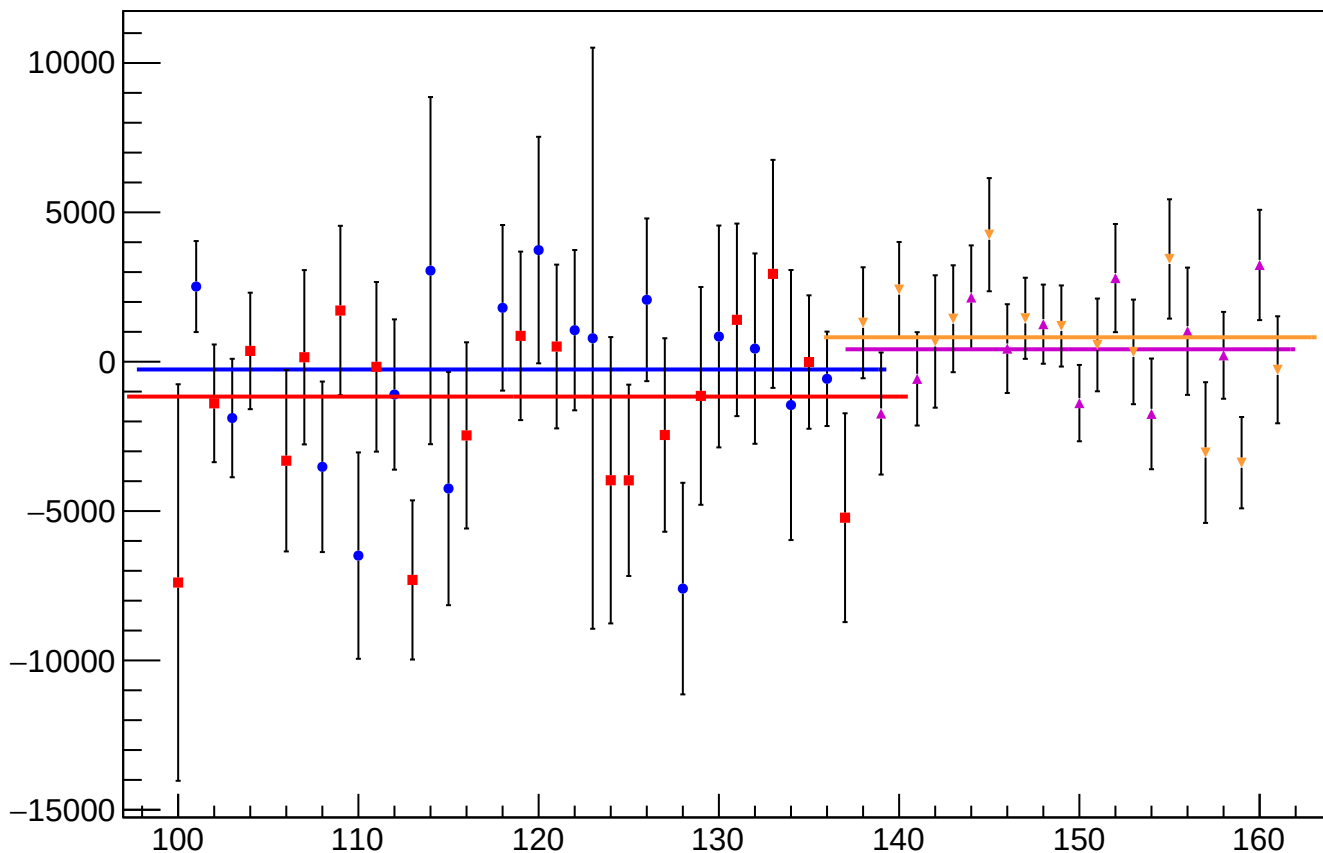
Left In: 1114.091 $\pm$ 0.263 χ^2 /NDF:9917.7/10

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

1117.240 $\pm$ 0.138 χ^2 /NDF: 44081.9/59

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

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -259.821 $\pm$ 655.275 χ^2/NDF : 17.2/16

Left Out: 818.171 $\pm$ 472.762 χ^2/NDF : 17.2/12

Right Out: -1167.598 $\pm$ 662.428 χ^2/NDF : 14.4/18

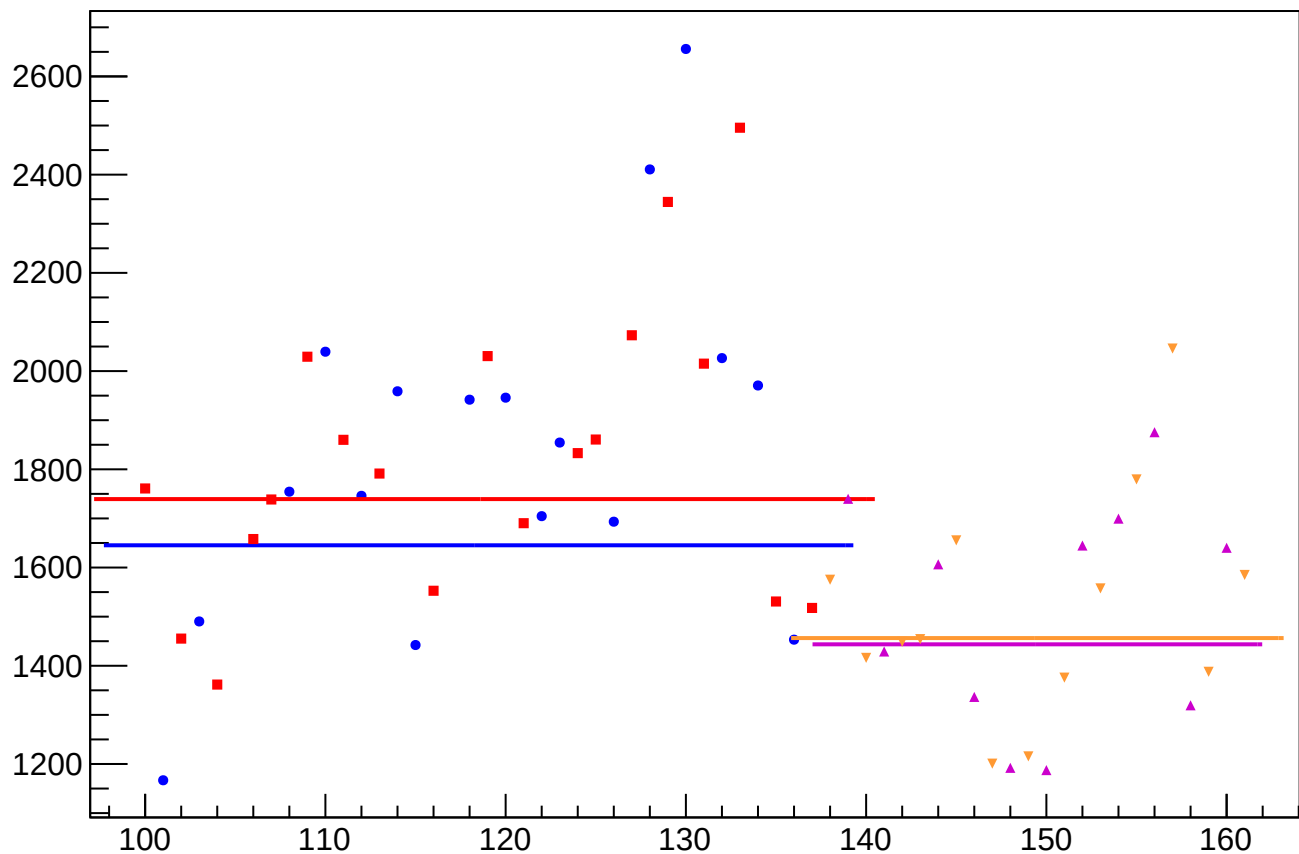
Left In: 415.885 $\pm$ 488.233 χ^2/NDF : 10.4/10

449.142 $\pm$ 383.395 χ^2/NDF : 36.2/29

161.136 $\pm$ 274.440 χ^2/NDF : 65.9/59

-141.509 $\pm$ 393.019 χ^2/NDF : 28.5/29

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1645.307 $\pm$ 0.463 χ^2 /NDF: 600915.2/16

Left Out: 1456.386 $\pm$ 0.334 χ^2 /NDF: 369405.5/12

Right Out: 1739.382 $\pm$ 0.468 χ^2 /NDF: 371012.9/18

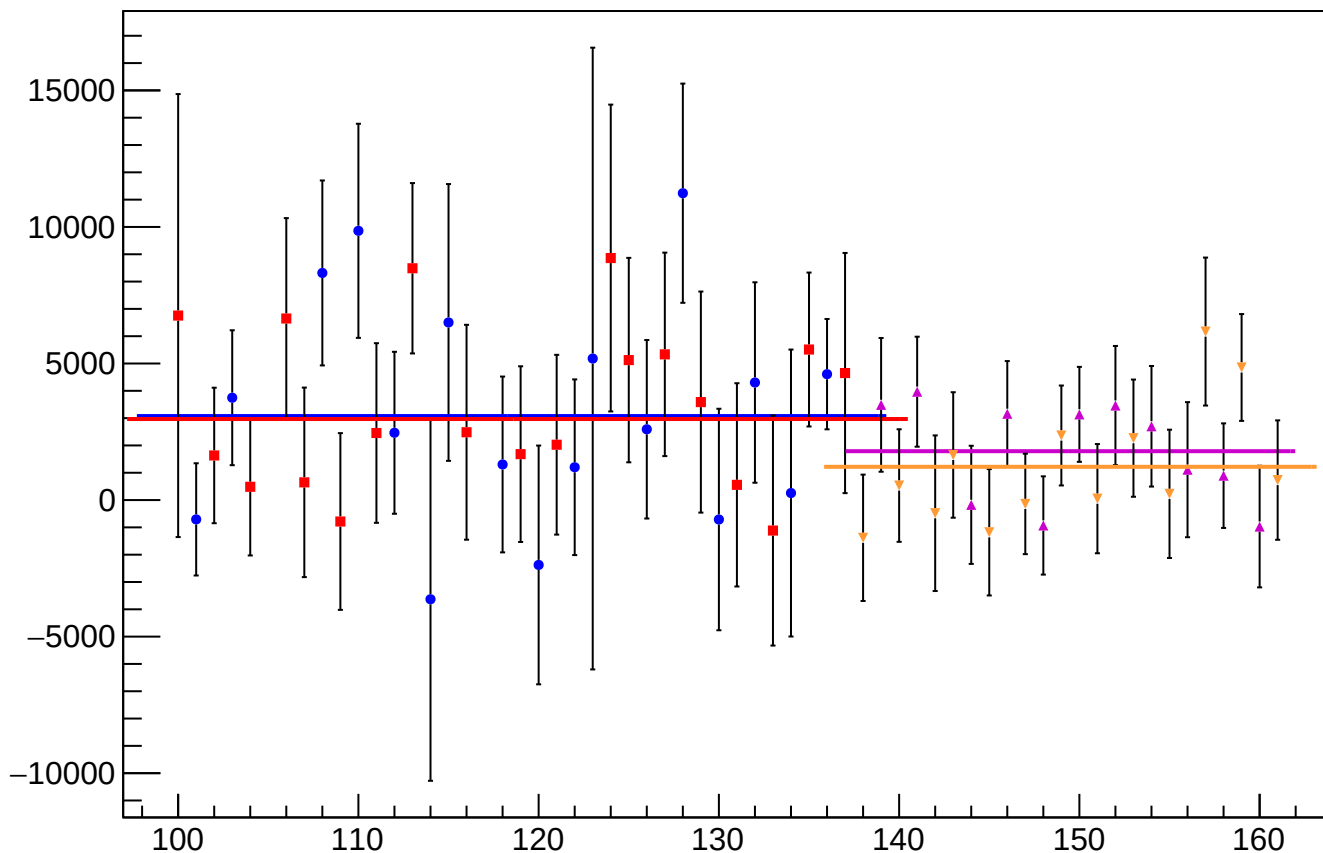
Left In: 1443.655 $\pm$ 0.345 χ^2 /NDF: 404645.1/10

1521.059 $\pm$ 0.271 χ^2 /NDF: 1079653.2/29

1534.075 $\pm$ 0.194 χ^2 /NDF: 2118326.7/59

1547.752 $\pm$ 0.278 χ^2 /NDF: 1033946.2/29

asym_usr_mean vs Slug, Sign Corrected



Right In: 3075.401 $\pm$ 802.249 χ^2 /NDF: 18.6/16

Left Out: 1217.417 $\pm$ 600.614 χ^2 /NDF: 11.4/12

Right Out: 2967.536 $\pm$ 795.639 χ^2 /NDF: 11.9/18

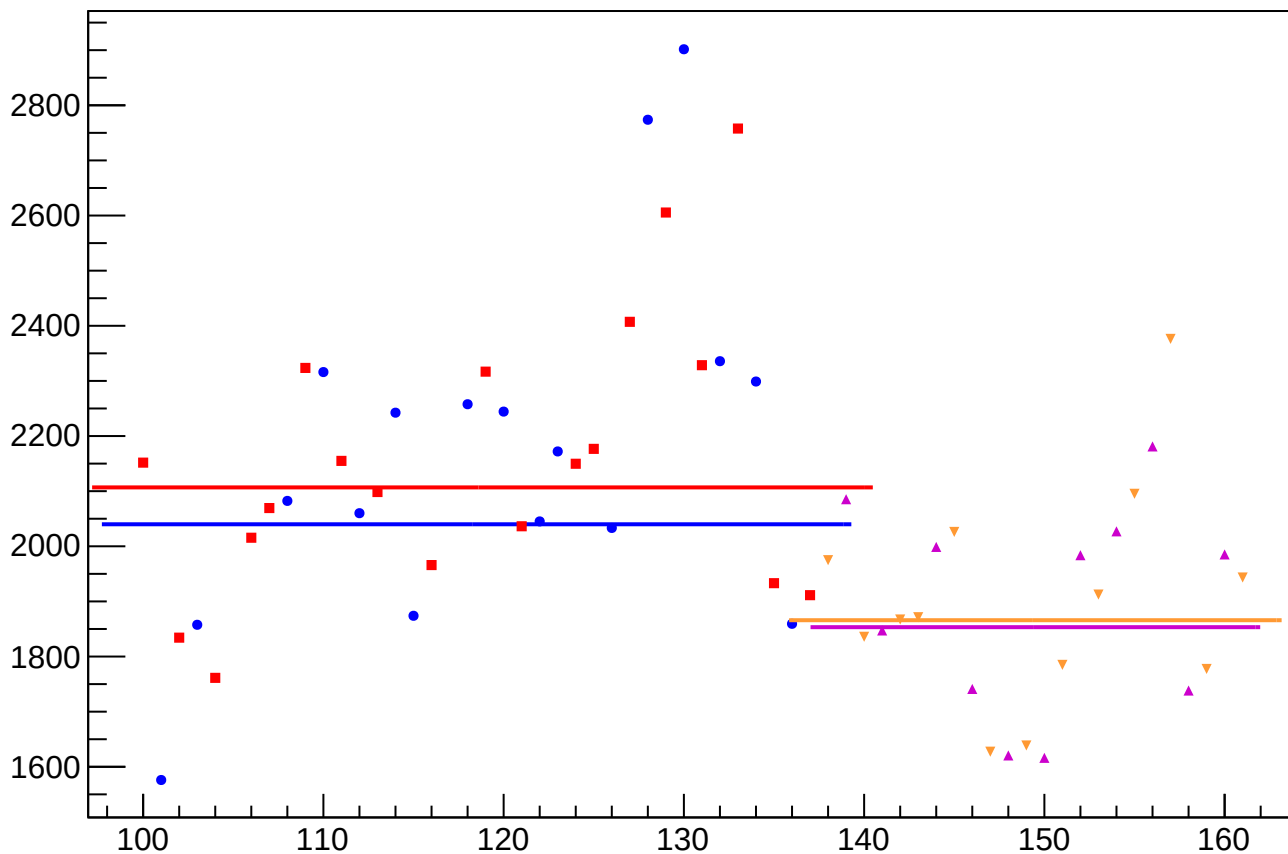
Left In: 1789.806 $\pm$ 621.518 χ^2 /NDF: 8.5/10

1884.763 $\pm$ 480.799 χ^2 /NDF: 33.4/29

2057.186 $\pm$ 343.112 χ^2 /NDF: 55.4/59

2236.120 $\pm$ 489.794 χ^2 /NDF: 21.7/29

asym_usr_rms vs Slug, Sign Corrected



Right In: 2039.942 $\pm$ 0.567 χ^2 /NDF: 331984.0/16

Left Out: 1865.903 $\pm$ 0.425 χ^2 /NDF: 179820.4/12

Right Out: 2106.832 $\pm$ 0.563 χ^2 /NDF: 195448.9/18

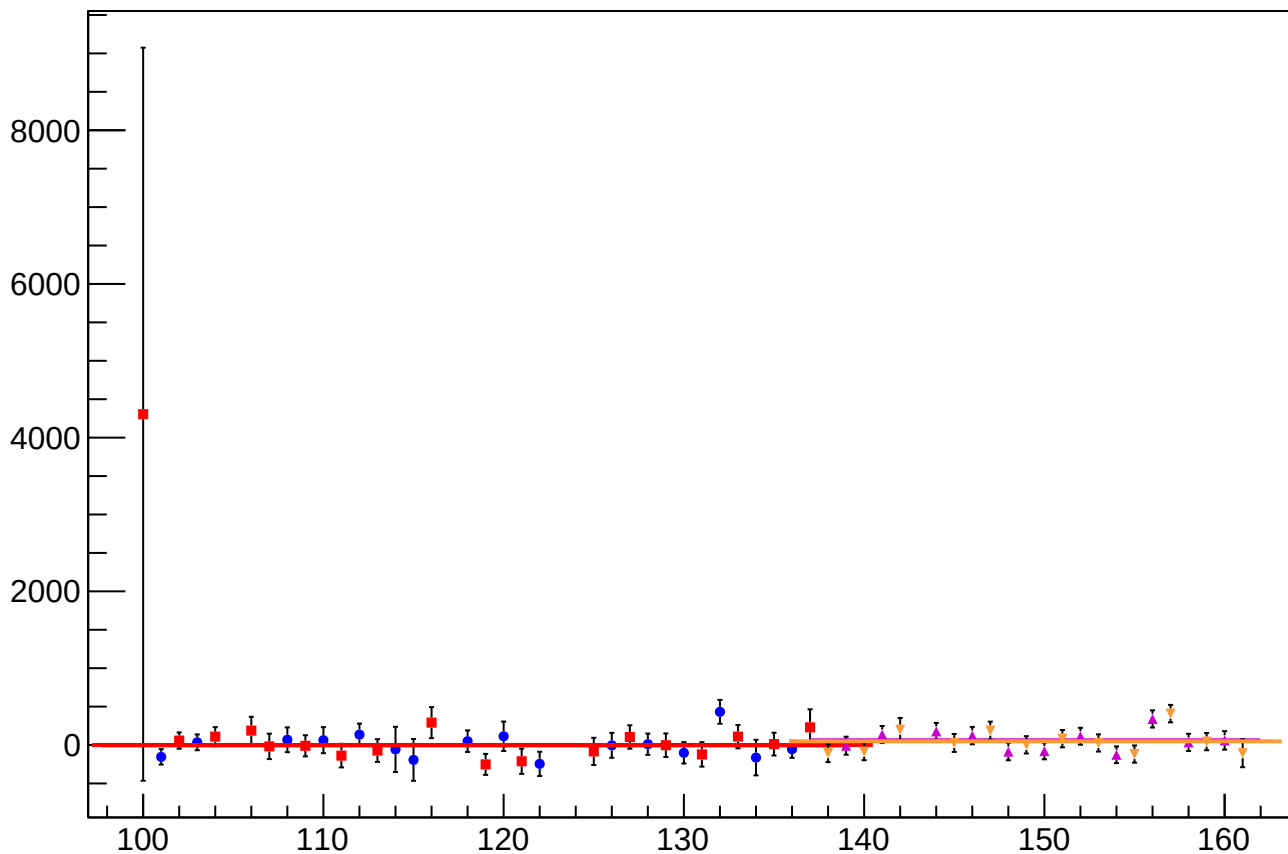
Left In: 1853.273 $\pm$ 0.439 χ^2 /NDF: 173370.1/10

1928.414 $\pm$ 0.340 χ^2 /NDF: 572121.8/29

1938.694 $\pm$ 0.243 χ^2 /NDF: 1068950.5/59

1949.362 $\pm$ 0.346 χ^2 /NDF: 494965.5/29

reg_asym_dsl_mean vs Slug, Sign Corrected



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

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

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

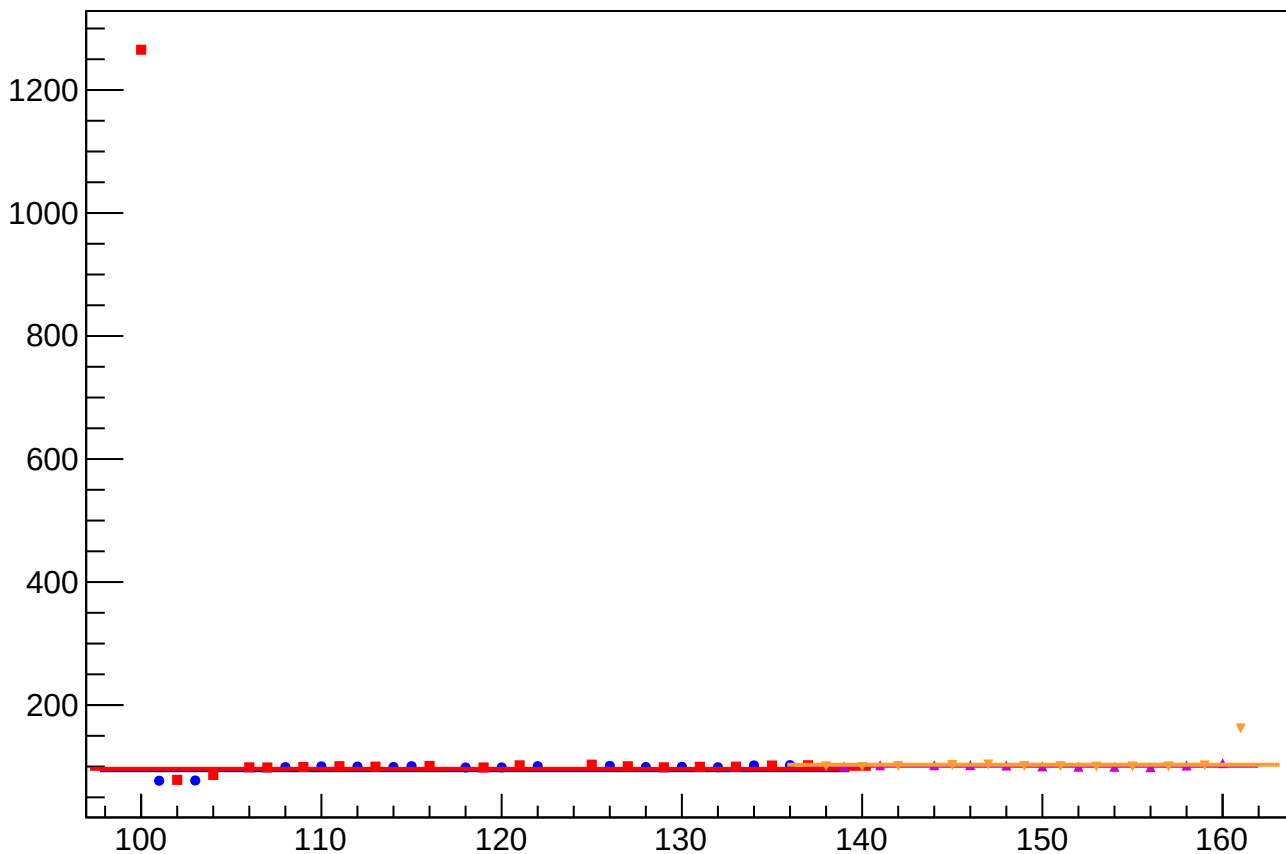
Left In: 61.669 ± 33.813 χ^2/NDF : 15.0/10

24.436 ± 25.072 χ^2/NDF : 36.1/27

29.044 ± 17.656 χ^2/NDF : 66.7/56

33.578 ± 24.867 χ^2/NDF : 30.5/28

reg_asym_dsl_rms vs Slug, Sign Corrected



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

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

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

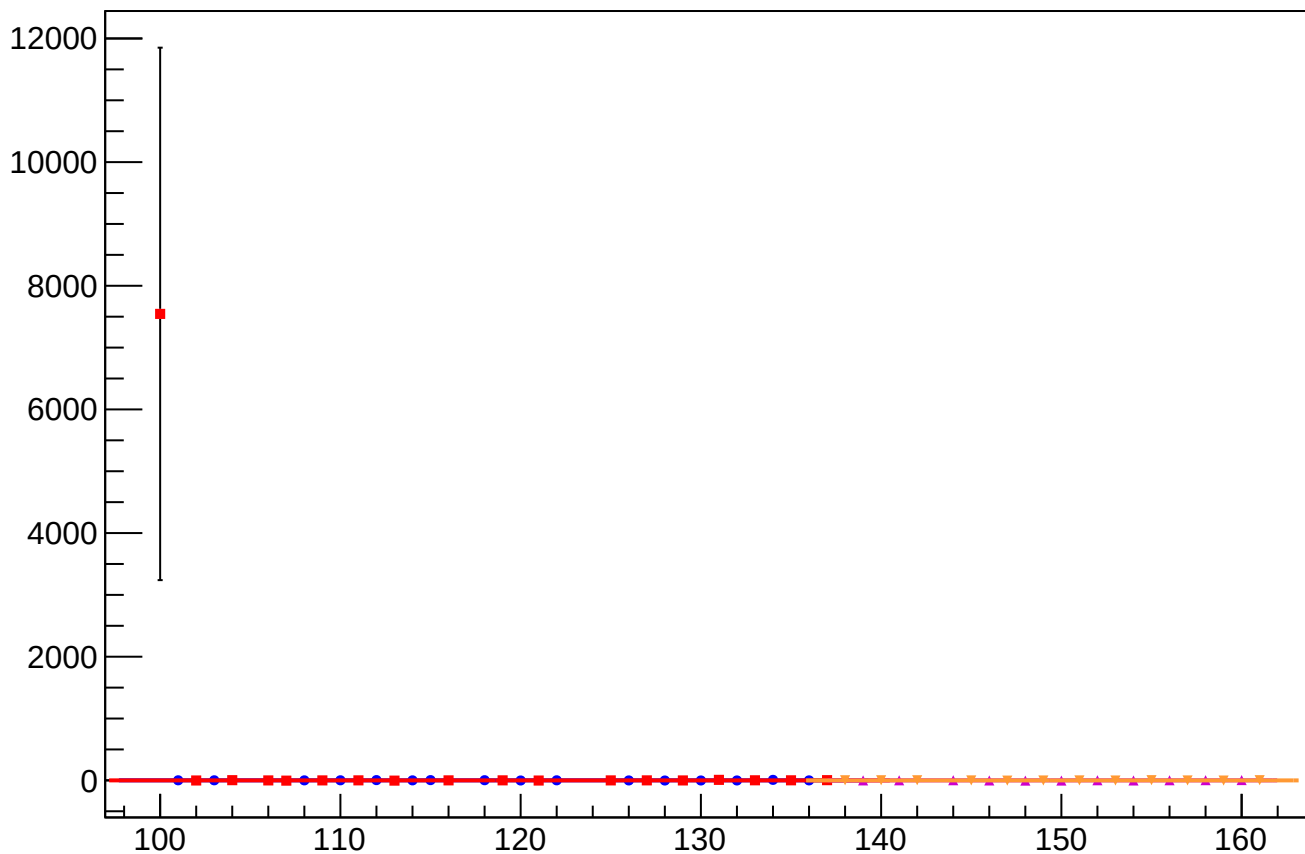
Left In: 101.290+/-0.024 χ^2/NDF : 5071.4/10

98.845+/-0.018 χ^2/NDF : 435679.2/27

98.940+/-0.012 χ^2/NDF : 669463.8/56

99.032+/-0.018 χ^2/NDF : 233728.5/28

asym_dsl_correction_mean vs Slug, Sign Corrected



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

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

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

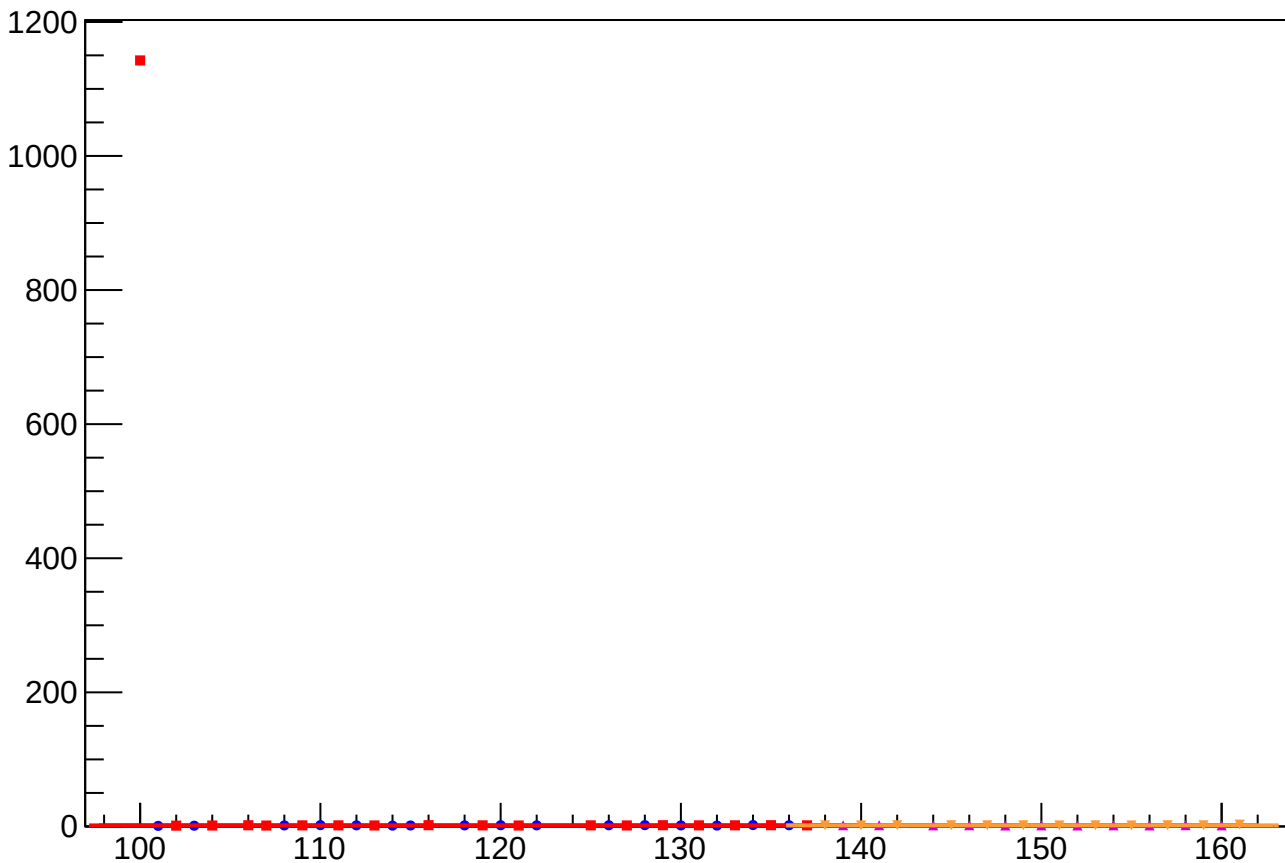
Left In: 0.149+/-0.612 χ^2/NDF : 18.2/10

-0.152+/-0.428 χ^2/NDF : 25.1/27

-0.113+/-0.308 χ^2/NDF : 66.4/56

-0.070+/-0.443 χ^2/NDF : 41.3/28

asym_dsl_correction_rms vs Slug, Sign Corrected



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

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

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

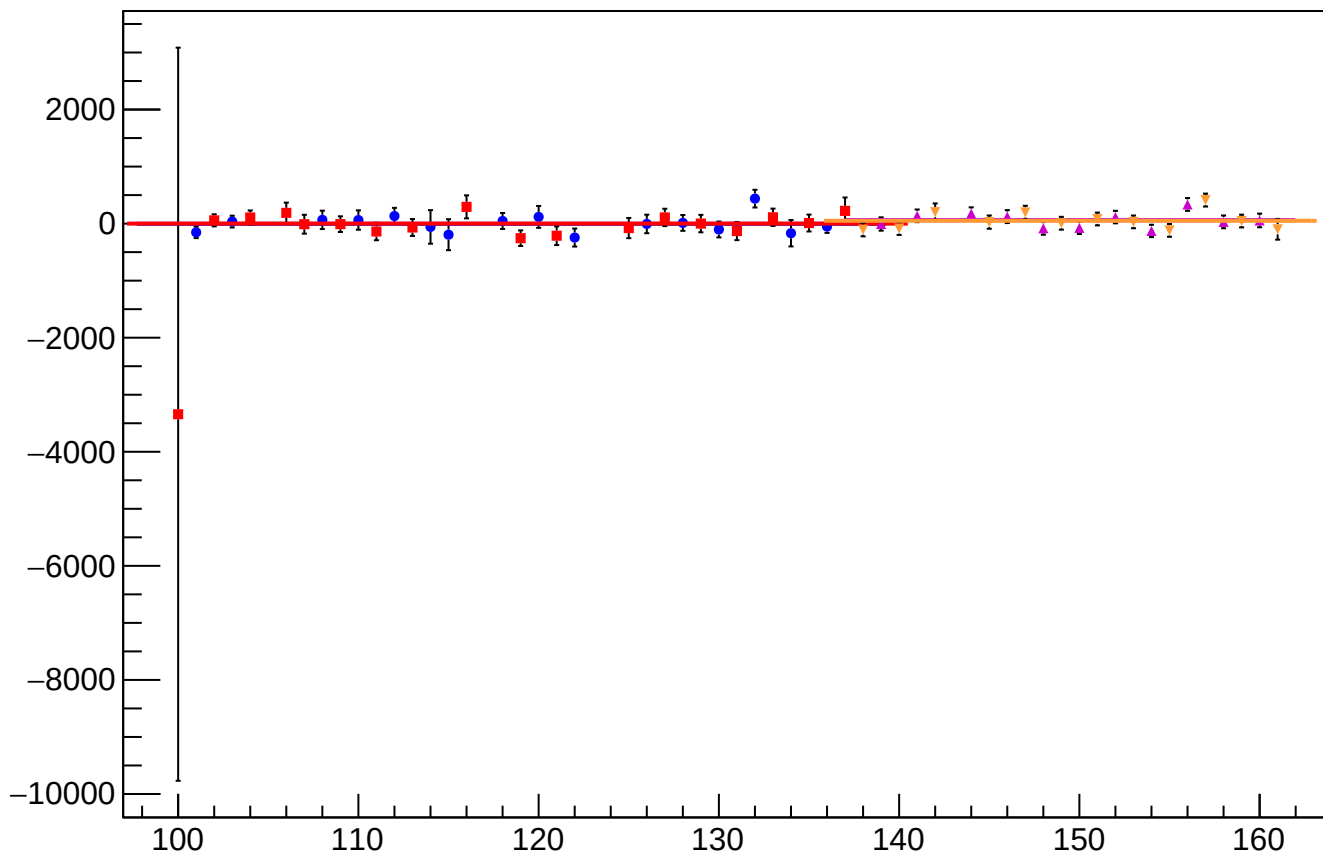
Left In: 1.698+/-0.000 χ^2/NDF : 97724.6/10

1.530+/-0.000 χ^2/NDF : 1123225.7/27

1.579+/-0.000 χ^2/NDF : 1641451.1/56

1.631+/-0.000 χ^2/NDF : 465347.4/28

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 50.064 ± 34.329 $\chi^2/\text{NDF}: 19.3/11$

Right Out: 0.172 ± 36.709 $\chi^2/\text{NDF}: 13.5/17$

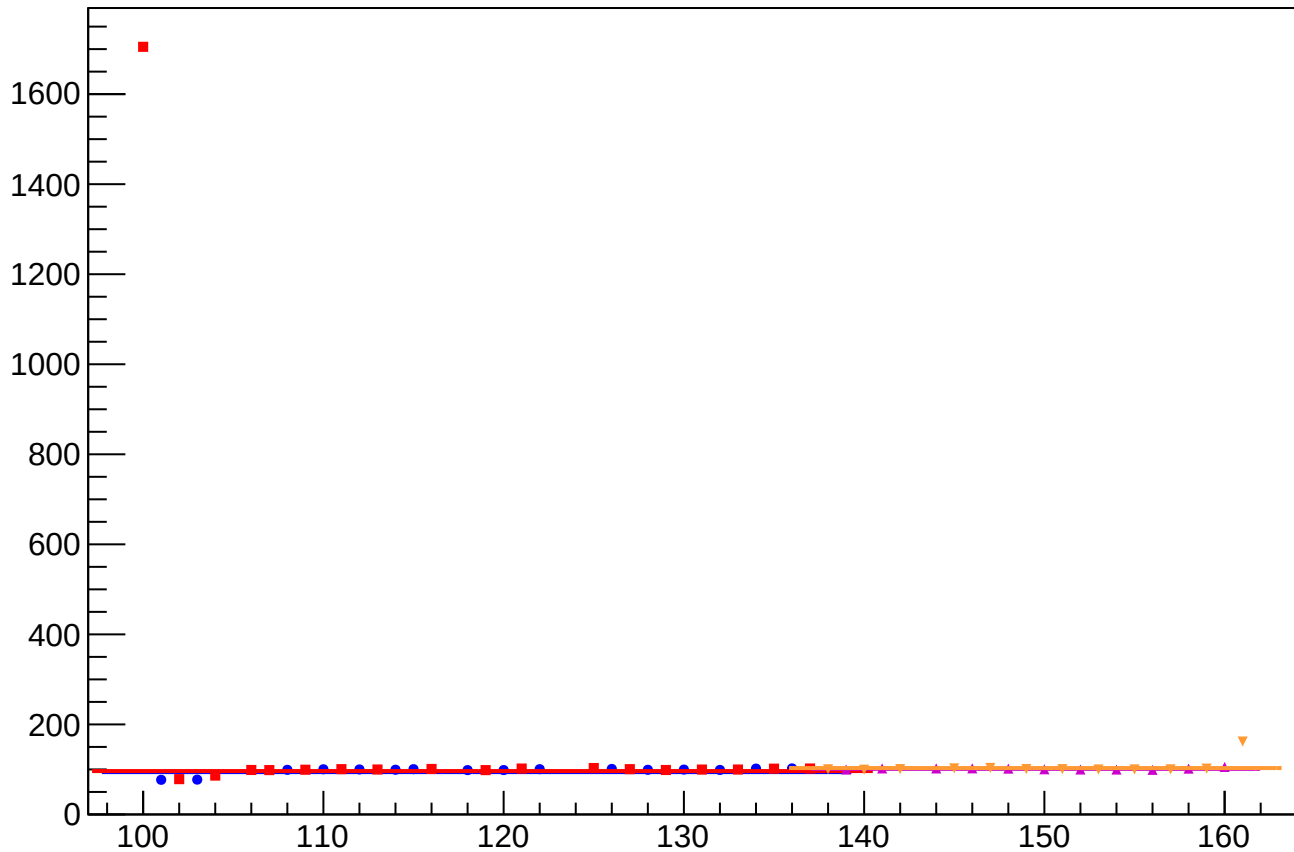
Left In: 61.180 ± 33.823 $\chi^2/\text{NDF}: 14.7/10$

25.272 ± 25.078 $\chi^2/\text{NDF}: 36.7/27$

29.252 ± 17.660 $\chi^2/\text{NDF}: 66.5/56$

33.169 ± 24.874 $\chi^2/\text{NDF}: 29.7/28$

asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.093 $\pm$ 0.026 χ^2 /NDF: 152305.3/15

Left Out: 103.047 $\pm$ 0.024 χ^2 /NDF: 220044.5/11

Right Out: 96.381 $\pm$ 0.026 χ^2 /NDF: 214362.3/17

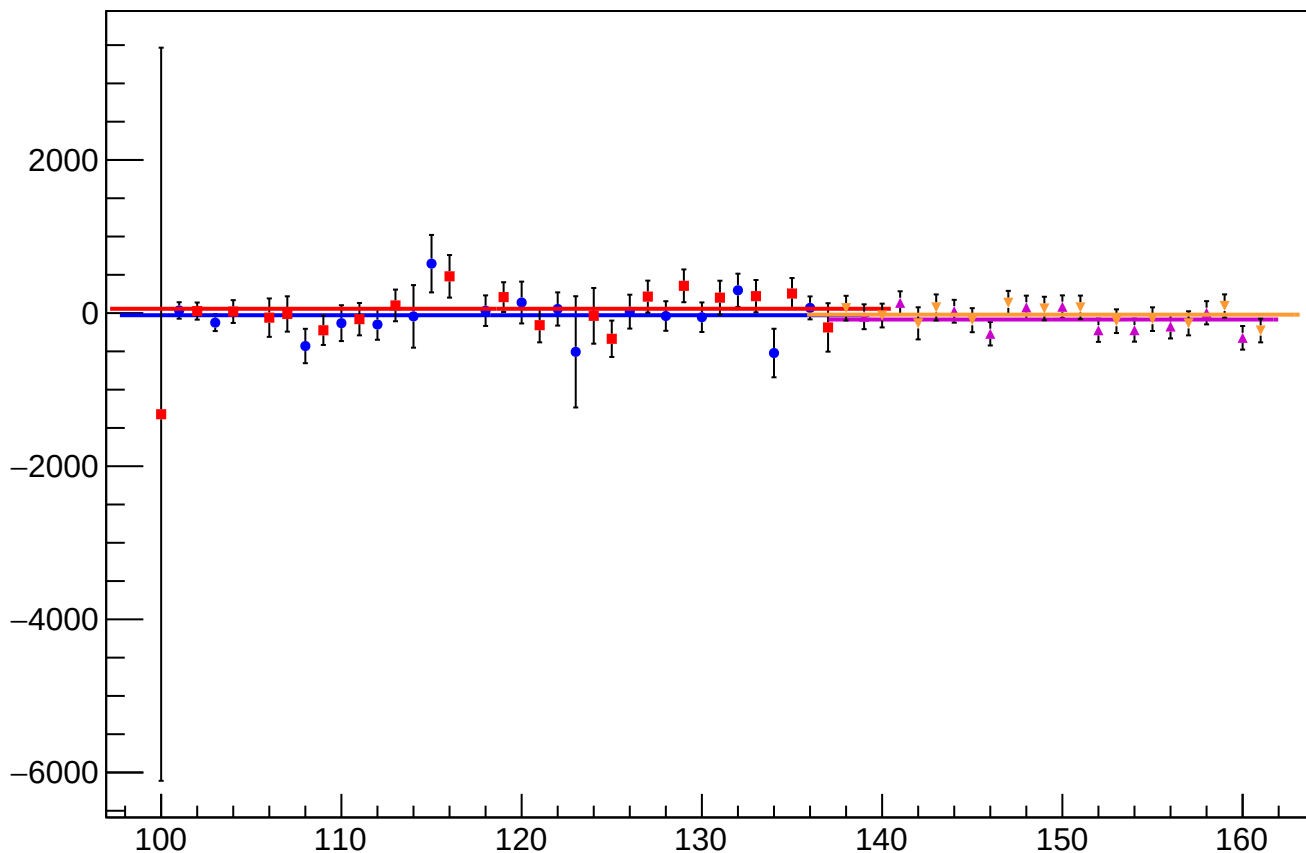
Left In: 101.318 $\pm$ 0.024 χ^2 /NDF: 5074.1/10

98.871 $\pm$ 0.018 χ^2 /NDF: 435803.0/27

98.962 $\pm$ 0.012 χ^2 /NDF: 674858.5/56

99.051 $\pm$ 0.018 χ^2 /NDF: 239003.5/28

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -20.327 ± 44.115 χ^2/NDF : 6.1/12

Right Out: 56.398 ± 47.708 χ^2/NDF : 14.9/18

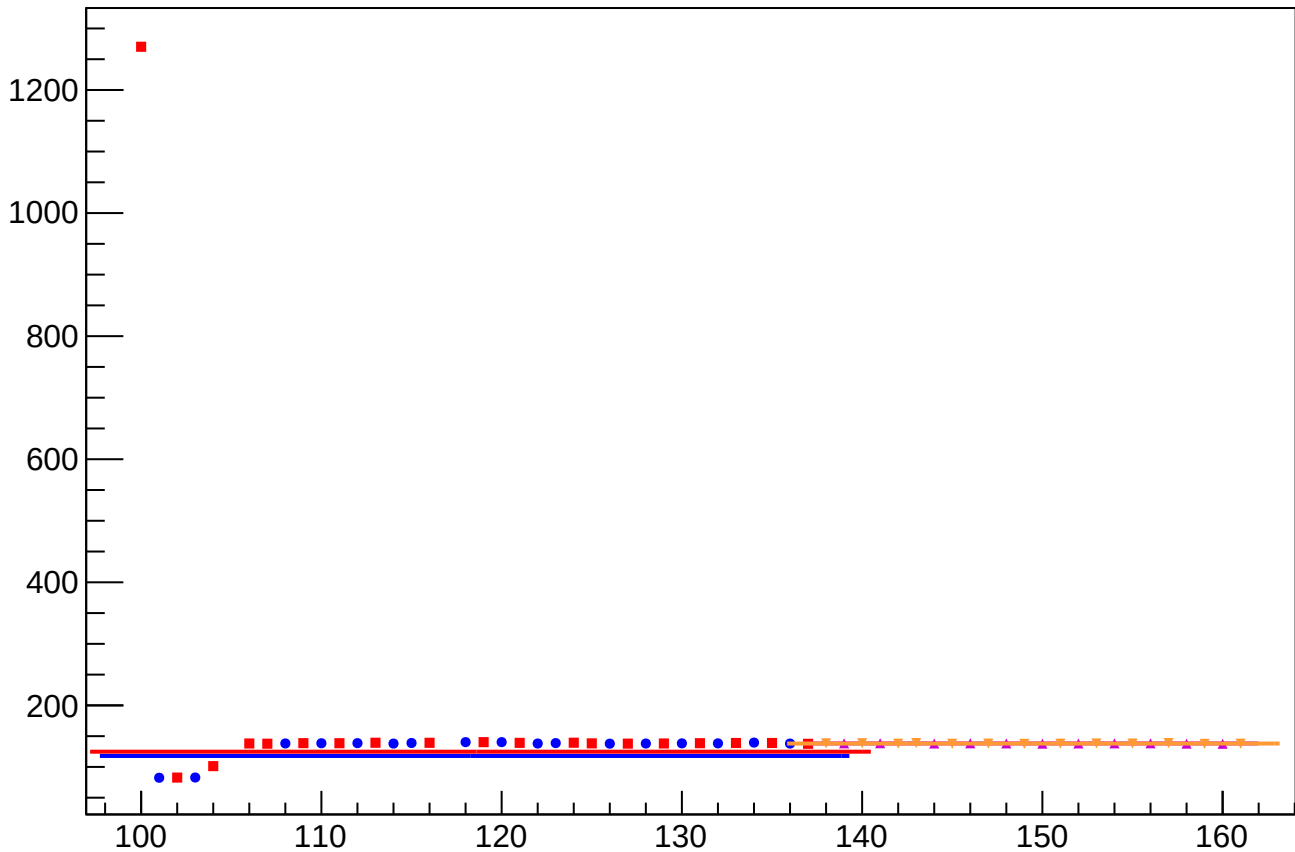
Left In: -83.792 ± 46.054 χ^2/NDF : 11.3/10

-23.864 ± 32.094 χ^2/NDF : 20.4/29

-20.140 ± 23.053 χ^2/NDF : 51.0/59

-16.170 ± 33.134 χ^2/NDF : 30.6/29

reg_asym_dsr_rms vs Slug, Sign Corrected



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

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

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

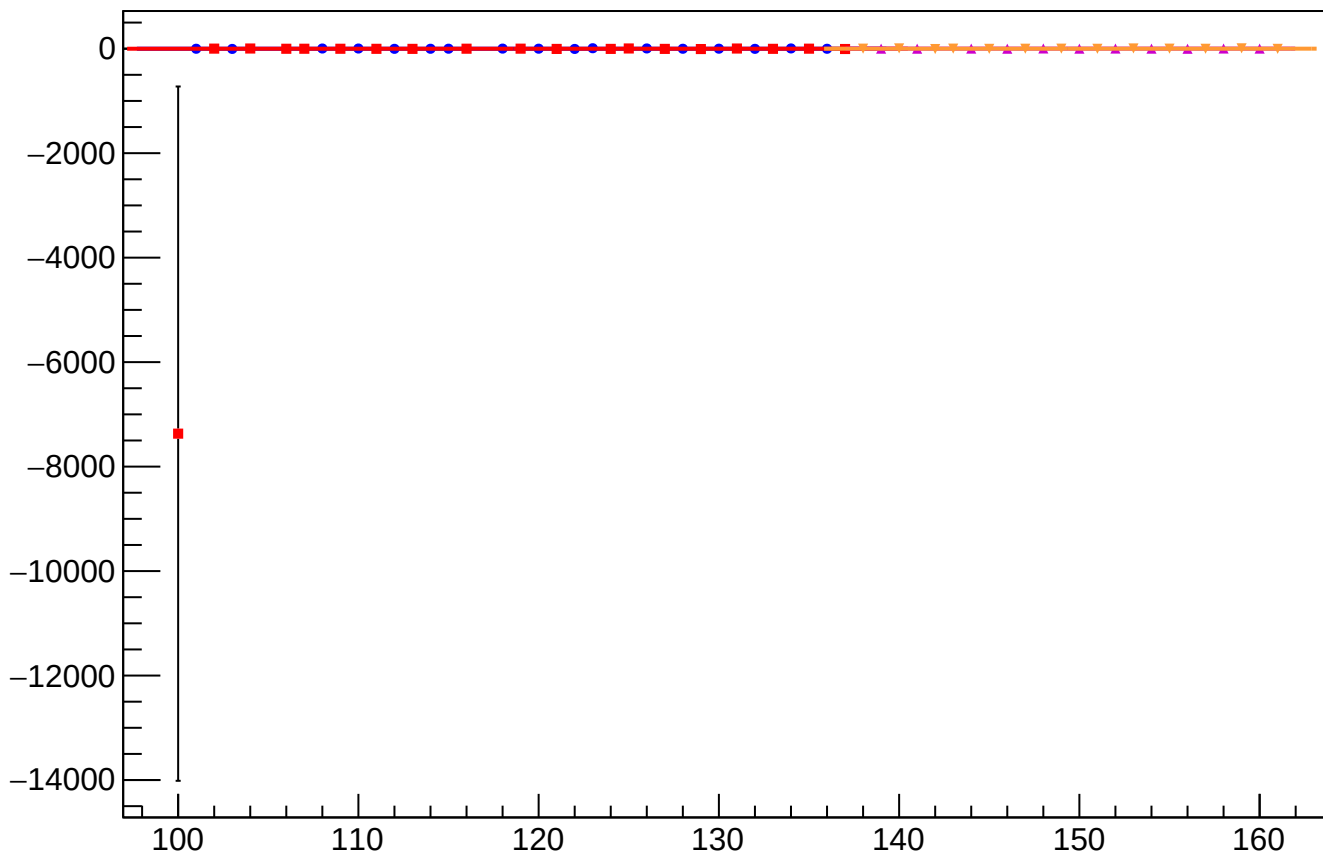
Left In: 138.172 $\pm$ 0.033 χ^2 /NDF: 66.8/10

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

130.056 $\pm$ 0.016 χ^2 /NDF: 1525478.8/59

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

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.535 $\pm$ 0.751 χ^2 /NDF: 19.5/12

Right Out: -0.649 $\pm$ 0.851 χ^2 /NDF: 13.7/18

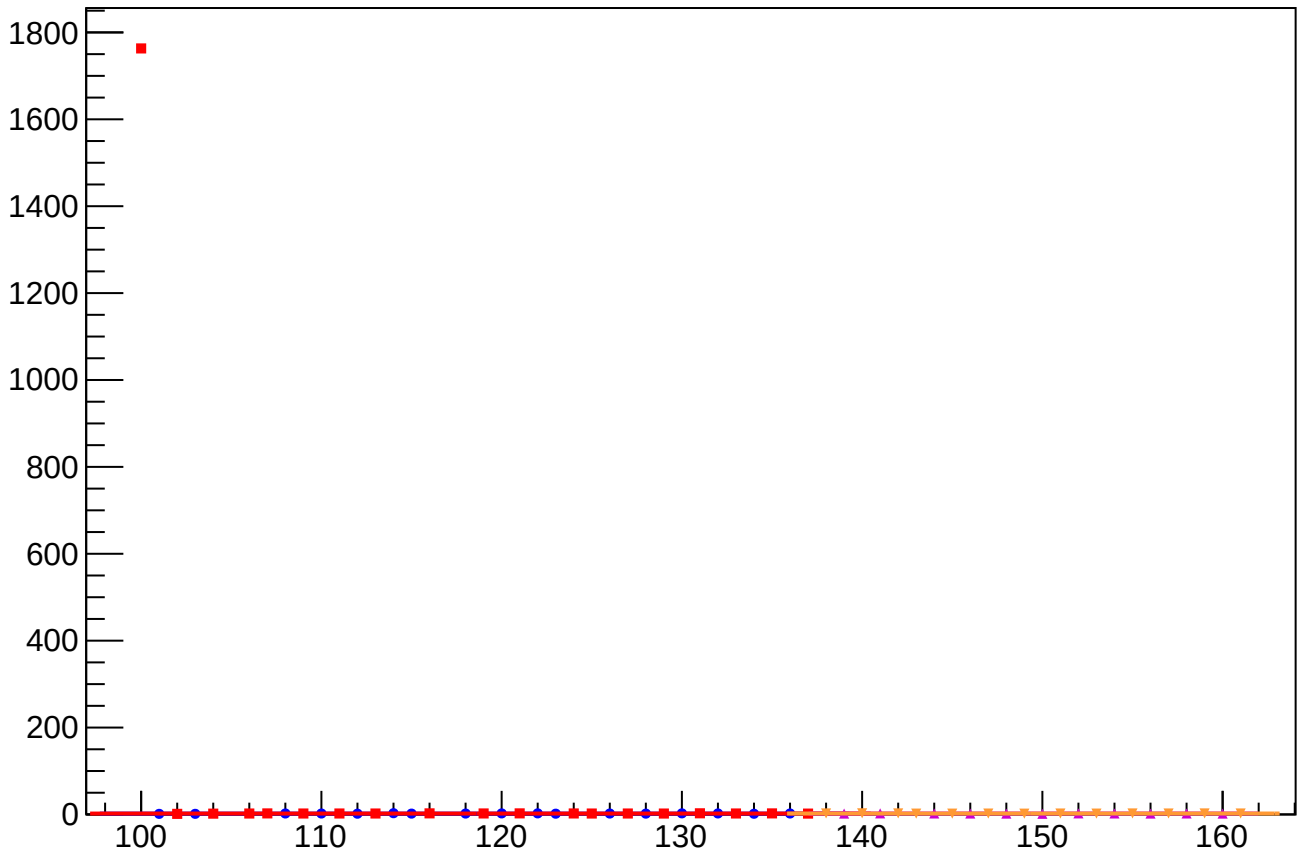
Left In: 1.428 $\pm$ 0.775 χ^2 /NDF: 4.2/10

-0.034 $\pm$ 0.551 χ^2 /NDF: 33.4/29

0.216 $\pm$ 0.397 χ^2 /NDF: 54.9/59

0.486 $\pm$ 0.573 χ^2 /NDF: 21.1/29

asym_dsr_correction_rms vs Slug, Sign Corrected



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

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

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

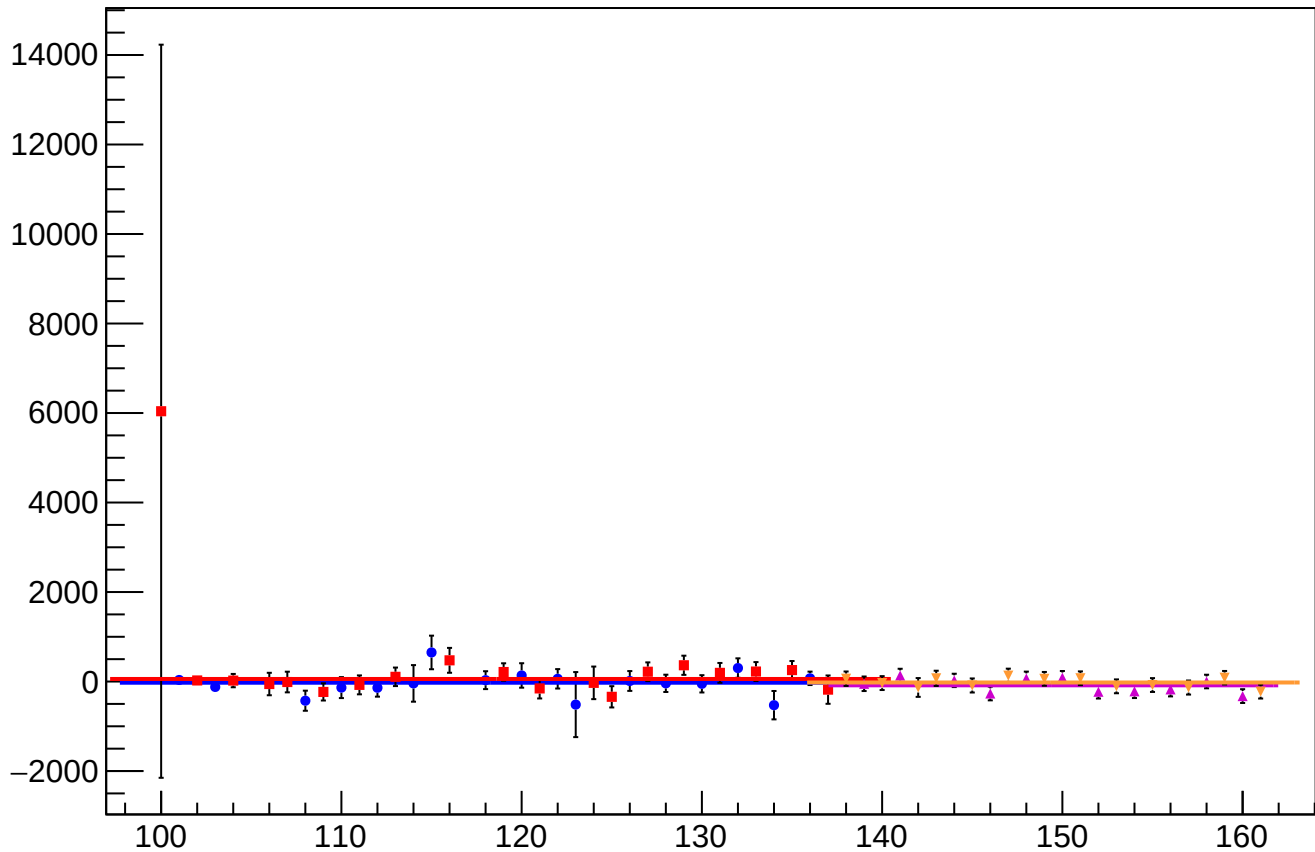
Left In: 2.088 $\pm$ 0.001 χ^2 /NDF: 271314.2/10

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

2.048 $\pm$ 0.000 χ^2 /NDF: 1603886.3/59

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

asym_dsr_mean vs Slug, Sign Corrected



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

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

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

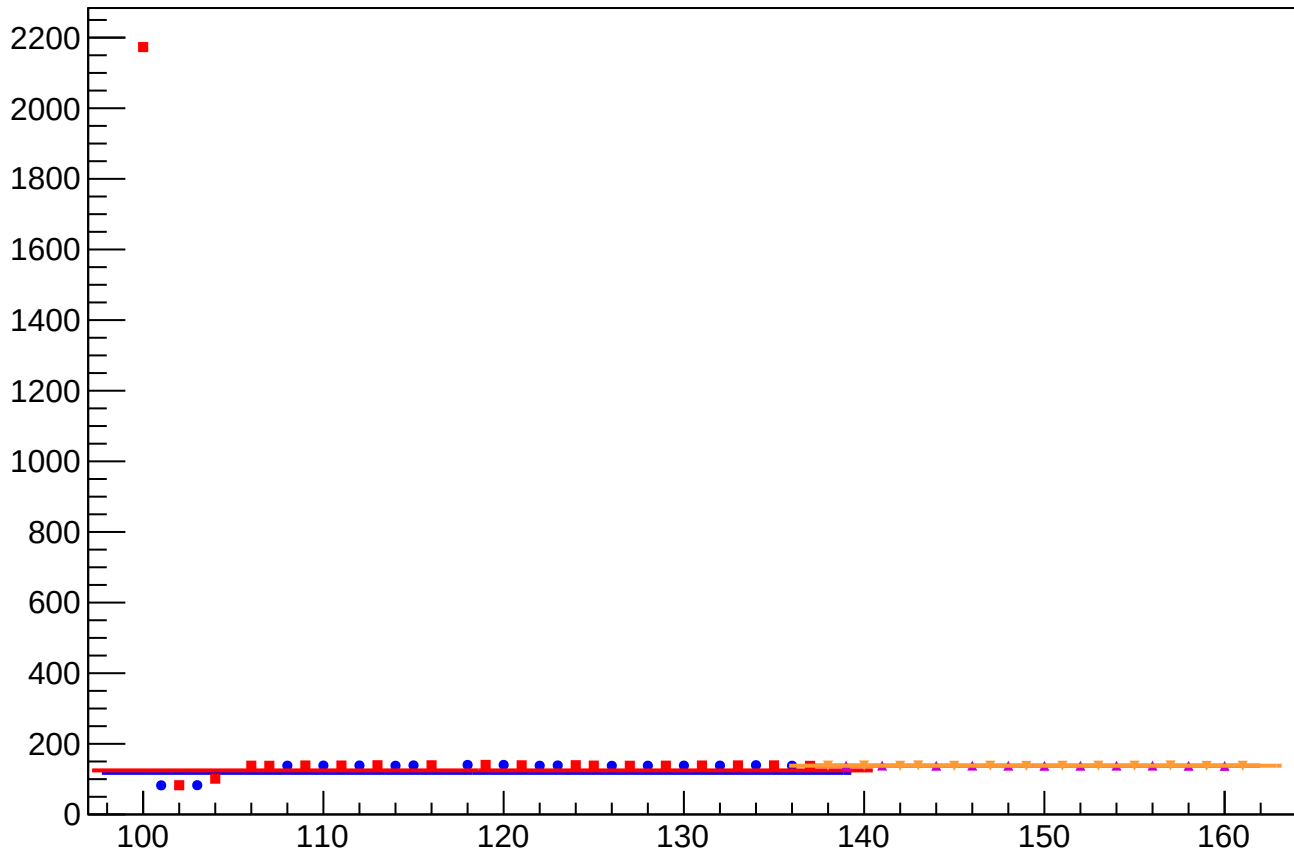
Left In: -84.403 ± 46.066 χ^2/NDF : 11.2/10

-23.624 ± 32.102 χ^2/NDF : 20.2/29

-19.967 ± 23.059 χ^2/NDF : 51.6/59

-16.069 ± 33.144 χ^2/NDF : 31.3/29

asym_dsr_rms vs Slug, Sign Corrected



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

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

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

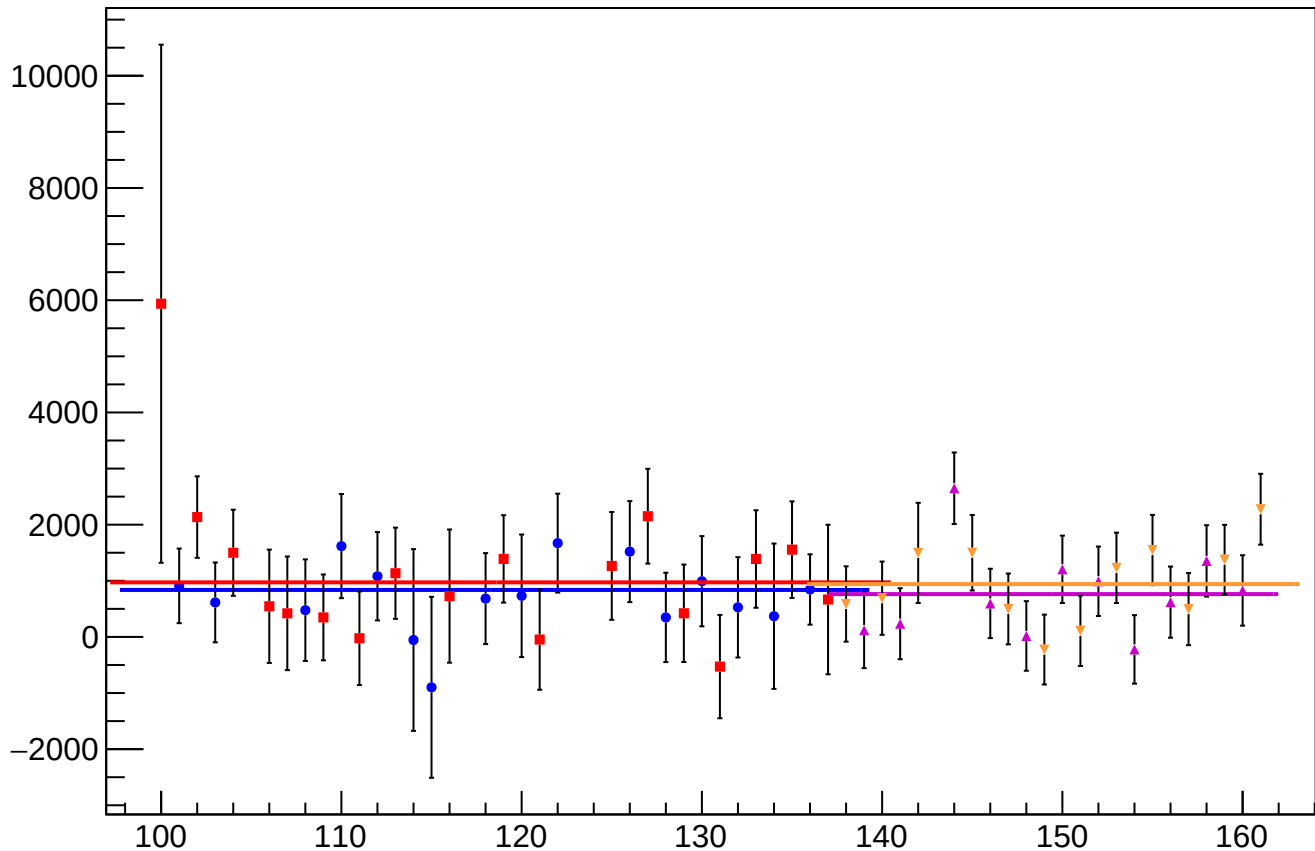
Left In: 138.209 $\pm$ 0.033 χ^2 /NDF:66.9/10

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

130.080 $\pm$ 0.016 χ^2 /NDF: 1536479.4/59

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

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 941.284 ± 188.044 χ^2/NDF : 13.9/11

Right Out: 972.425 ± 212.746 χ^2/NDF : 14.3/17

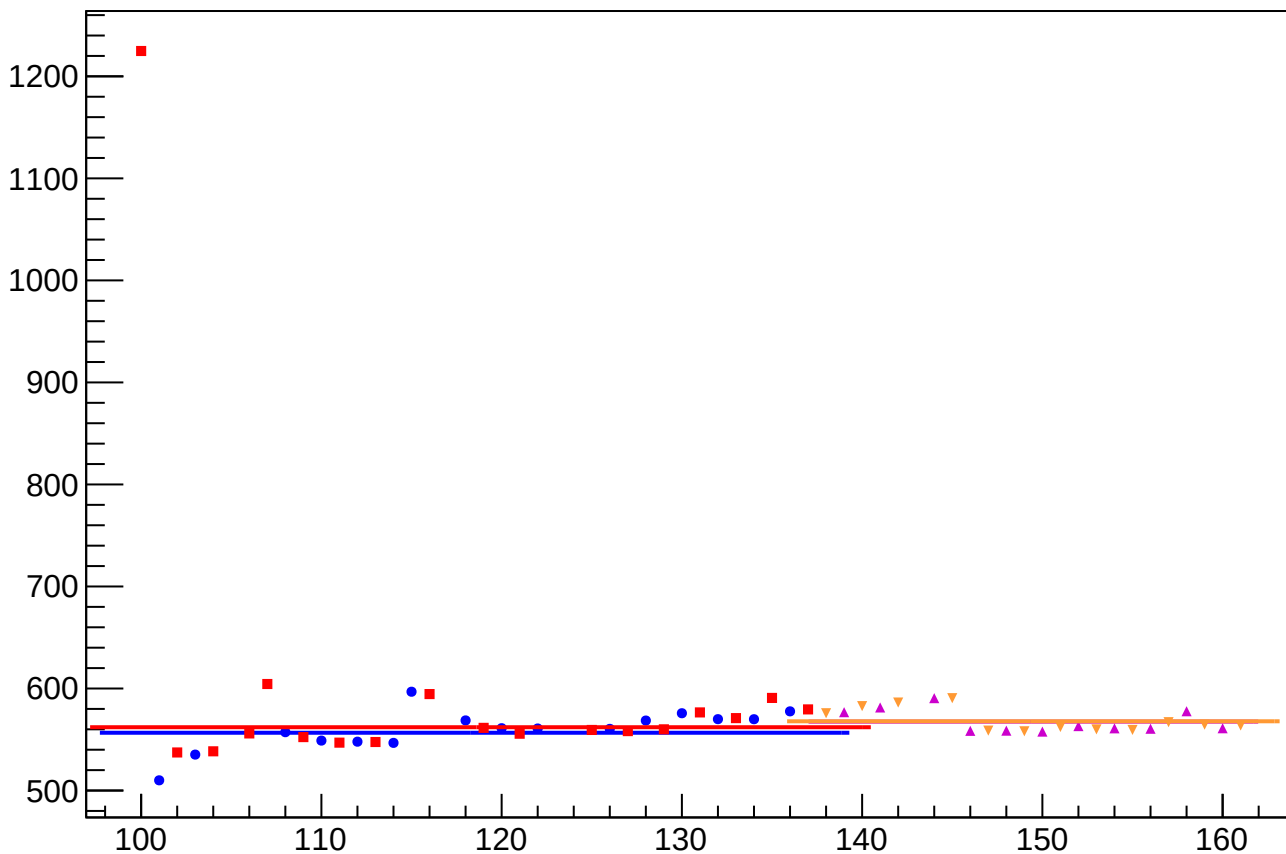
Left In: 763.081 ± 189.189 χ^2/NDF : 16.1/10

896.387 ± 141.880 χ^2/NDF : 18.7/27

875.883 ± 100.145 χ^2/NDF : 49.7/56

855.525 ± 141.375 χ^2/NDF : 30.9/28

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

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

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

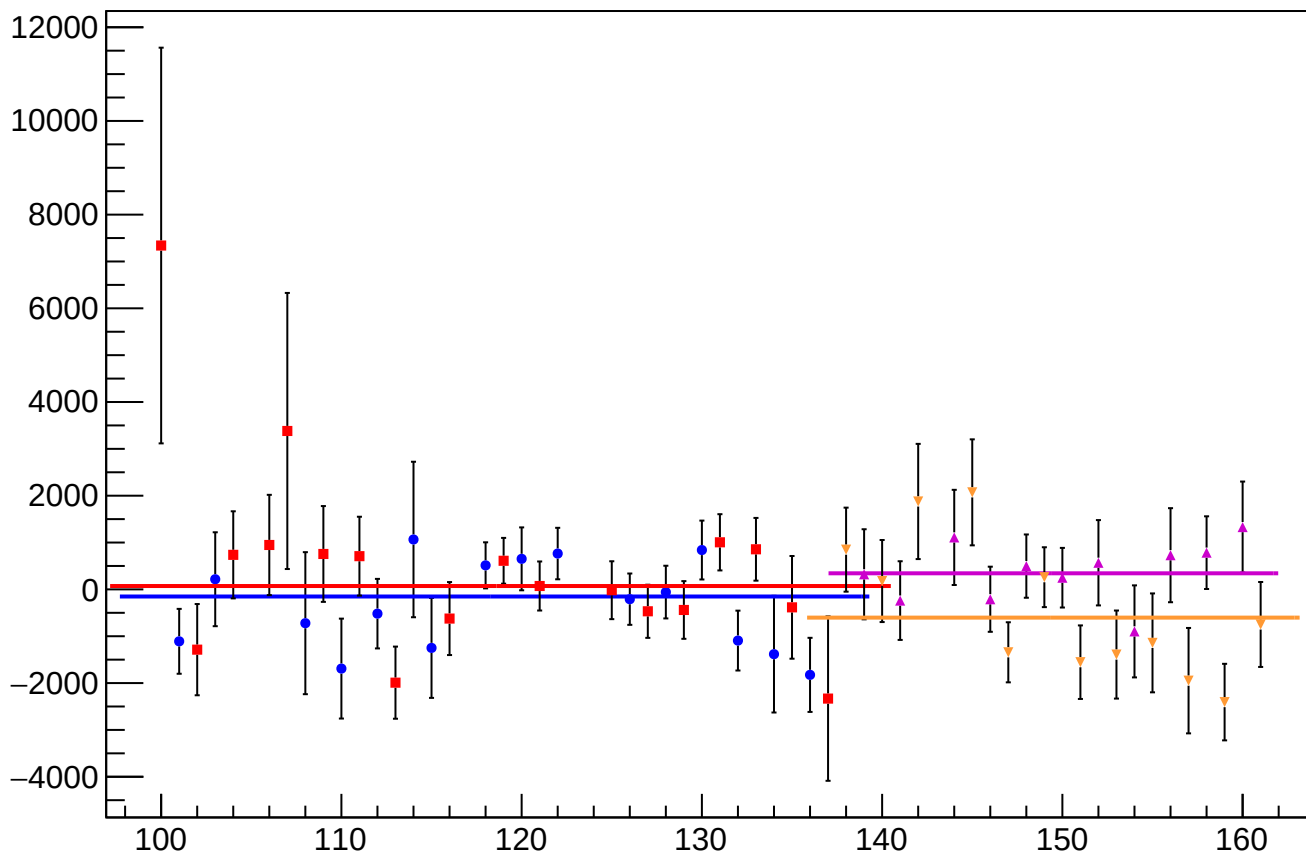
Left In: 567.540 ± 0.134 χ^2/NDF : 6607.3/10

563.034 ± 0.100 χ^2/NDF : 27797.9/27

564.078 ± 0.071 χ^2/NDF : 90940.5/56

565.115 ± 0.100 χ^2/NDF : 62926.9/28

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -151.876 $\pm$ 180.078 χ^2 /NDF: 22.3/15

Left Out: -602.666 $\pm$ 249.800 χ^2 /NDF: 25.0/11

Right Out: 71.760 $\pm$ 178.665 χ^2 /NDF: 25.0/17

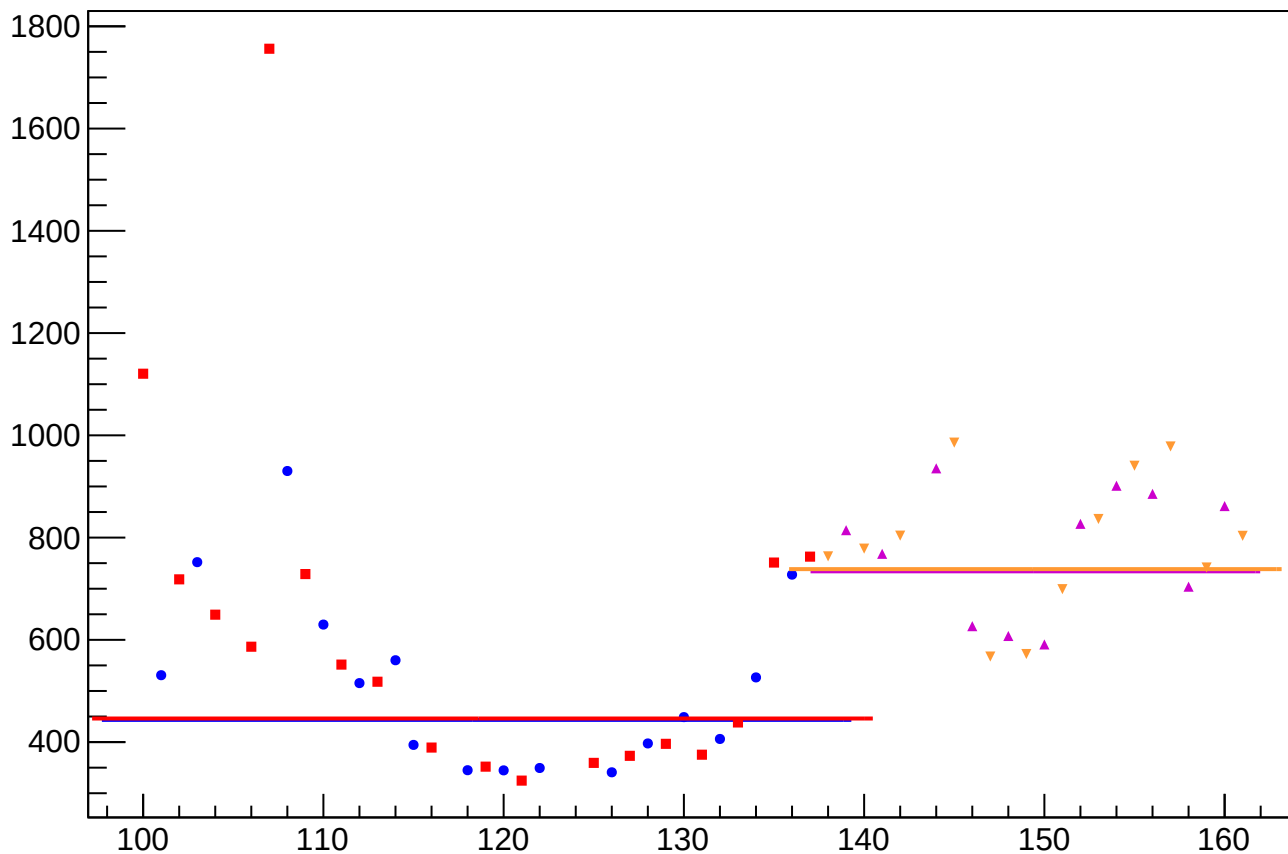
Left In: 343.293 $\pm$ 248.818 χ^2 /NDF: 4.9/10

-306.031 $\pm$ 146.078 χ^2 /NDF: 49.4/27

-69.413 $\pm$ 102.955 χ^2 /NDF: 85.4/56

164.135 $\pm$ 145.127 χ^2 /NDF: 30.7/28

asym_left_avg_correction_rms vs Slug, Sign Corrected



Right In: 443.451 $\pm$ 0.127 χ^2 /NDF: 1060940.9/15

Left Out: 738.319 $\pm$ 0.177 χ^2 /NDF: 585709.5/11

Right Out: 446.147 $\pm$ 0.126 χ^2 /NDF: 1459986.4/17

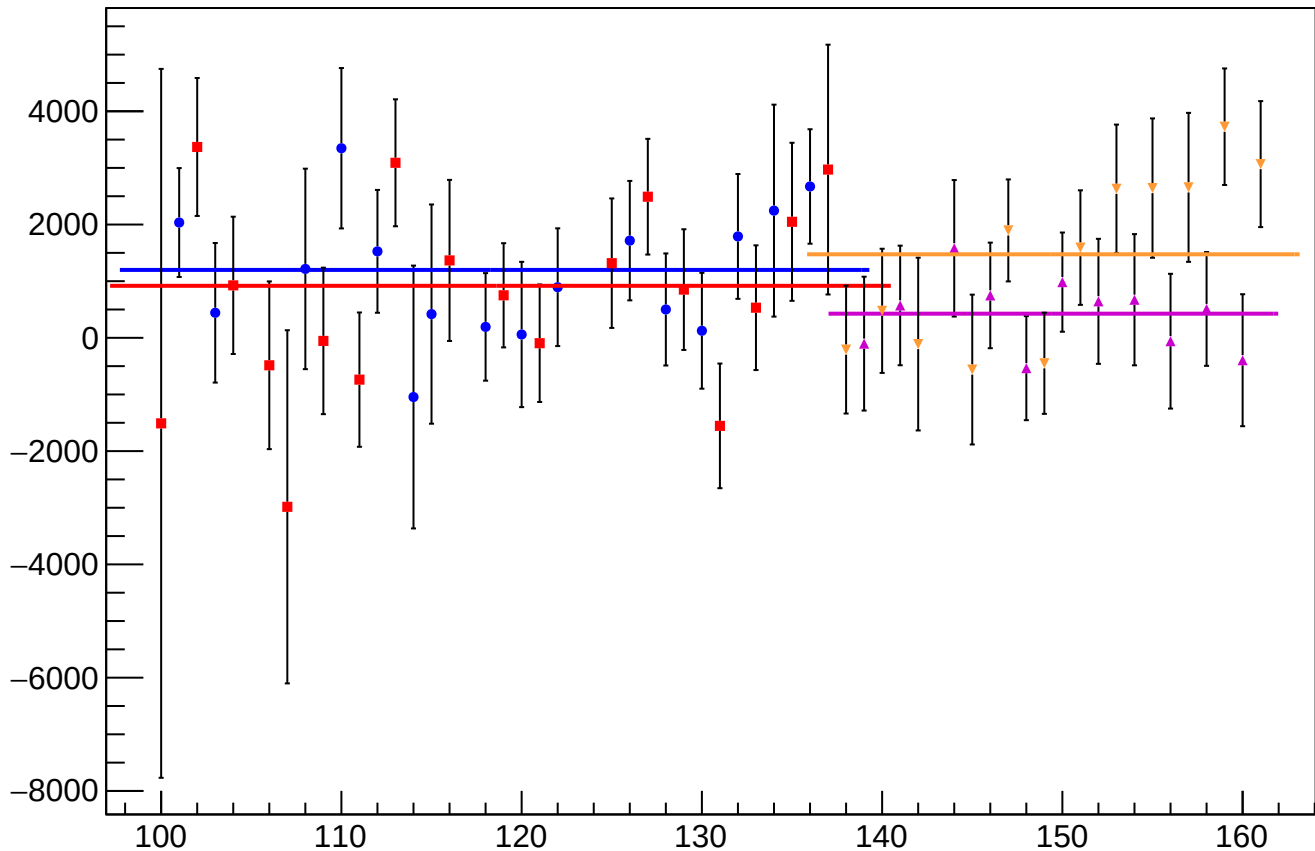
Left In: 734.013 $\pm$ 0.176 χ^2 /NDF: 476630.7/10

544.286 $\pm$ 0.103 χ^2 /NDF: 3480430.8/27

544.181 $\pm$ 0.073 χ^2 /NDF: 7183336.5/56

544.078 $\pm$ 0.103 χ^2 /NDF: 3702903.7/28

asym_left_avg_mean vs Slug, Sign Corrected



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

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

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

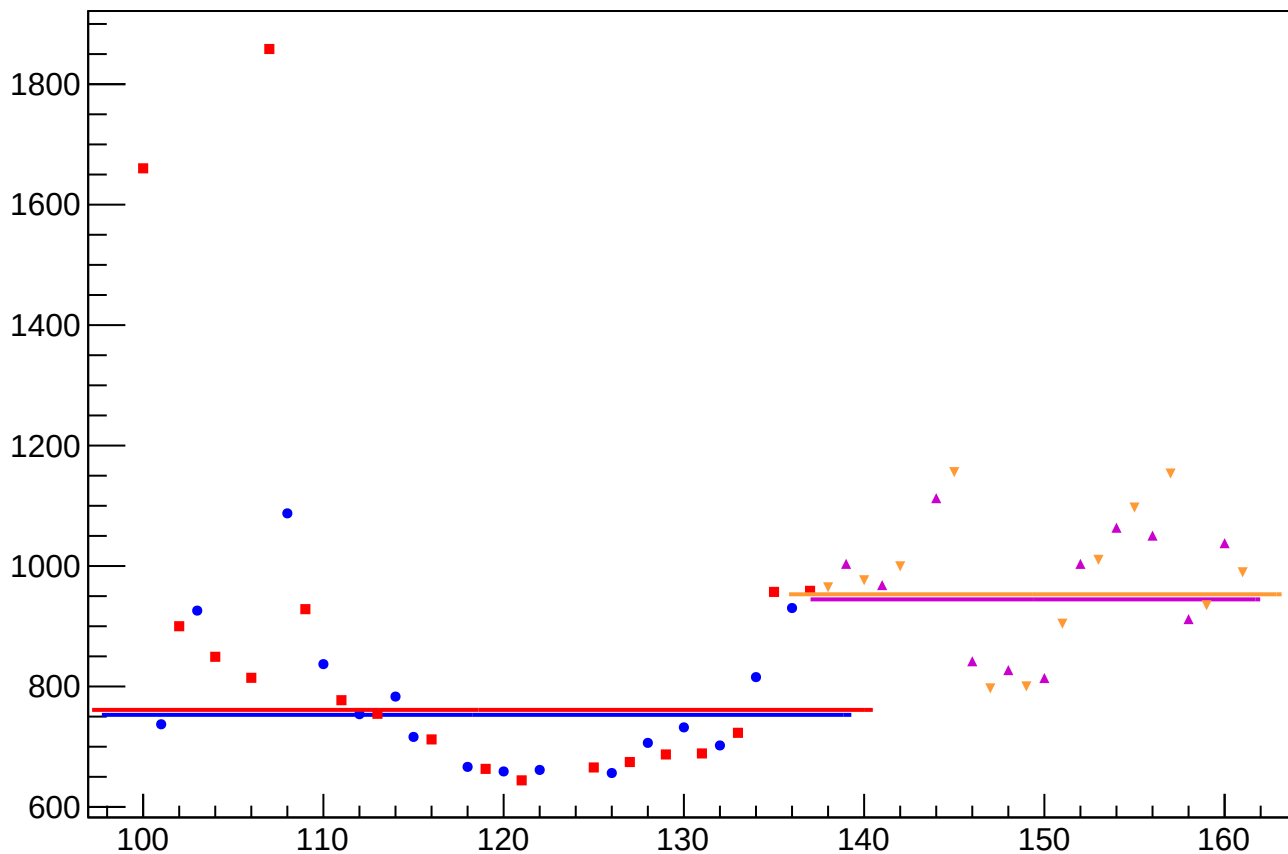
Left In: 426.463 ± 317.127 χ^2/NDF : 3.5/10

1326.382 ± 216.530 χ^2/NDF : 32.6/27

1007.226 ± 152.681 χ^2/NDF : 64.9/56

691.616 ± 215.323 χ^2/NDF : 28.0/28

asym_left_avg_rms vs Slug, Sign Corrected



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

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

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

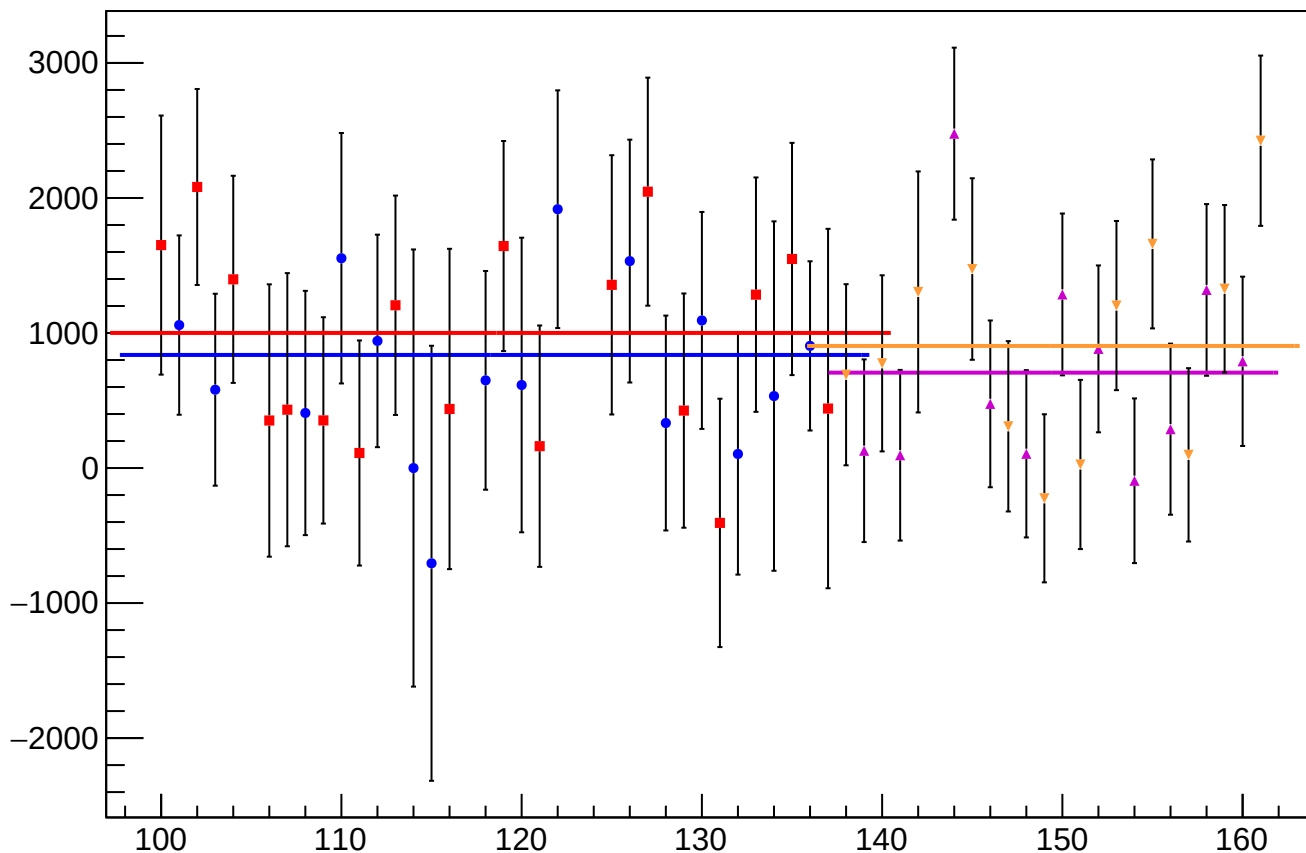
Left In: 944.616 $\pm$ 0.224 χ^2 /NDF: 203981.3/10

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

845.578 $\pm$ 0.108 χ^2 /NDF: 2014325.3/56

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

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

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

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

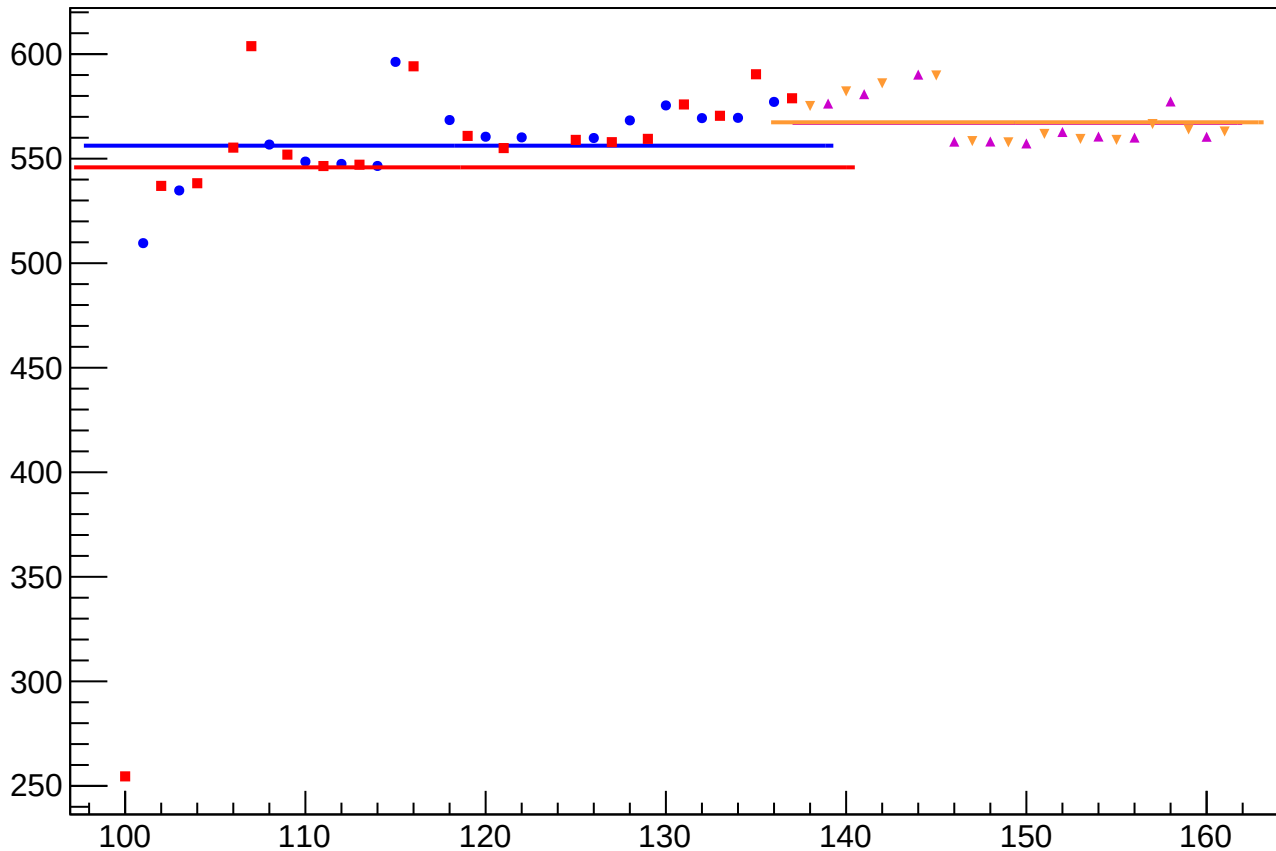
Left In: 706.484 ± 189.042 χ^2/NDF : 14.6/10

875.491 ± 141.763 χ^2/NDF : 22.5/27

857.356 ± 99.547 χ^2/NDF : 50.7/56

839.715 ± 139.819 χ^2/NDF : 28.2/28

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 567.382 ± 0.133 χ^2/NDF : 6276.3/11

Right Out: 545.844 ± 0.147 χ^2/NDF : 207640.3/17

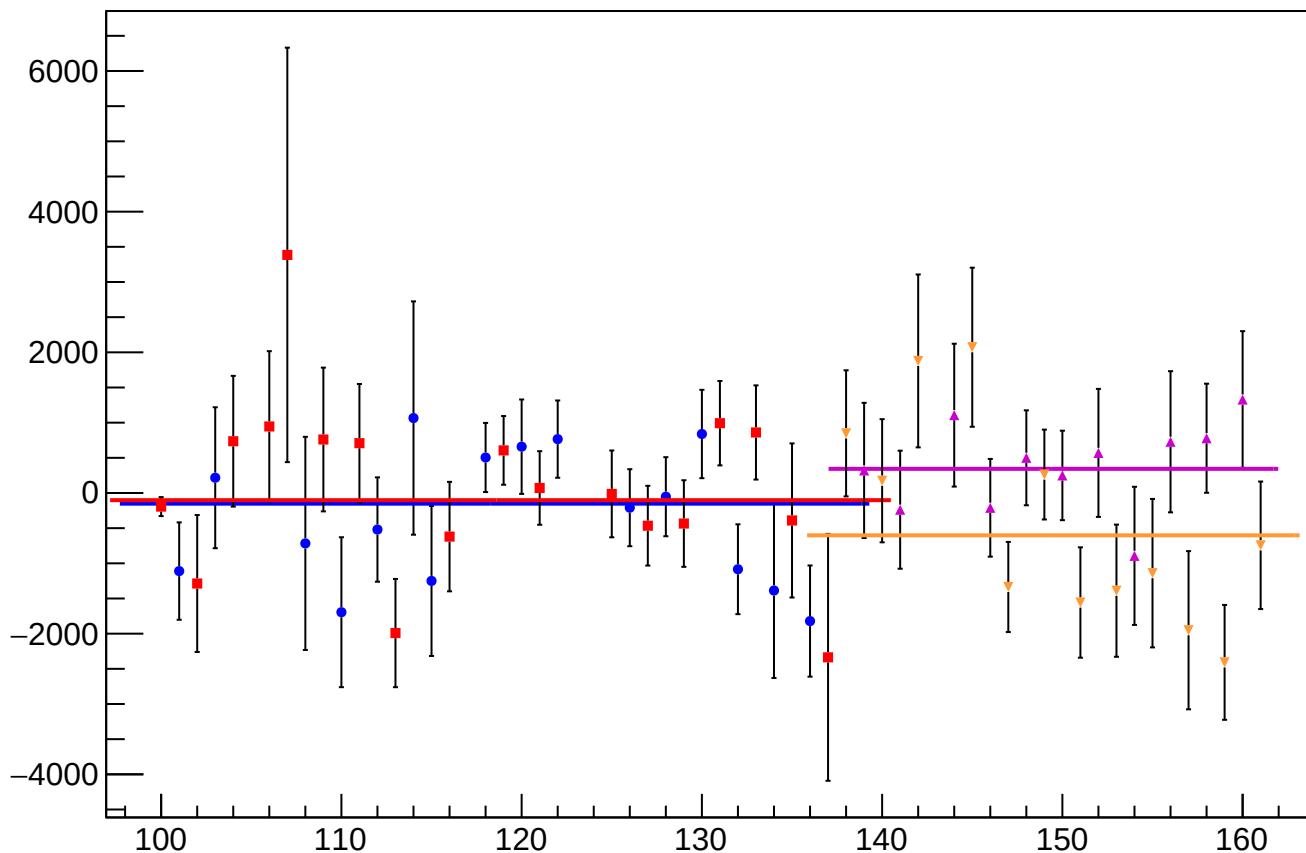
Left In: 567.099 ± 0.134 χ^2/NDF : 6638.1/10

562.570 ± 0.100 χ^2/NDF : 27739.0/27

559.986 ± 0.070 χ^2/NDF : 254780.5/56

557.471 ± 0.099 χ^2/NDF : 225729.9/28

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

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

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

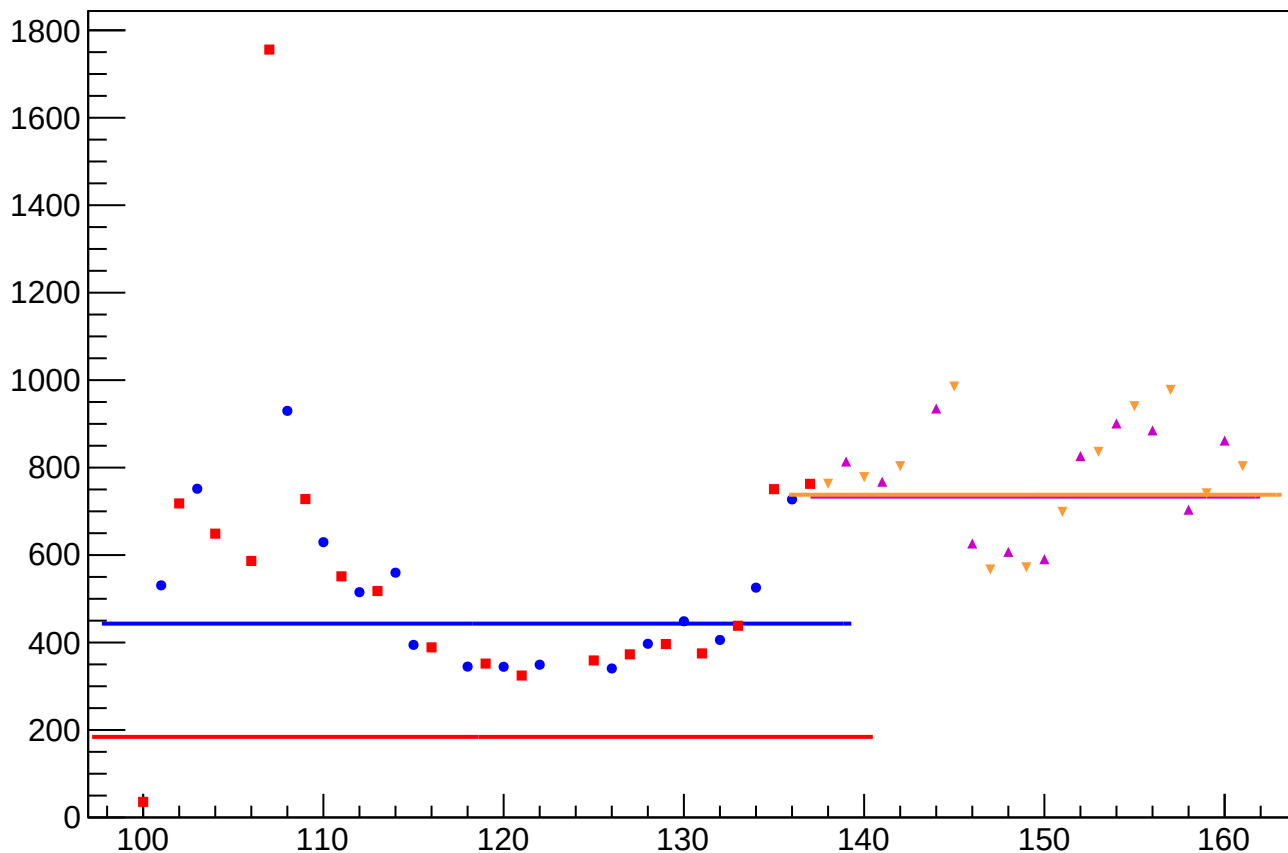
Left In: 343.243+/-248.696 χ^2/NDF : 4.9/10

-305.381+/-146.008 χ^2/NDF : 49.4/27

-117.731+/-81.847 χ^2/NDF : 82.7/56

-31.745+/-98.836 χ^2/NDF : 30.8/28

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

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

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

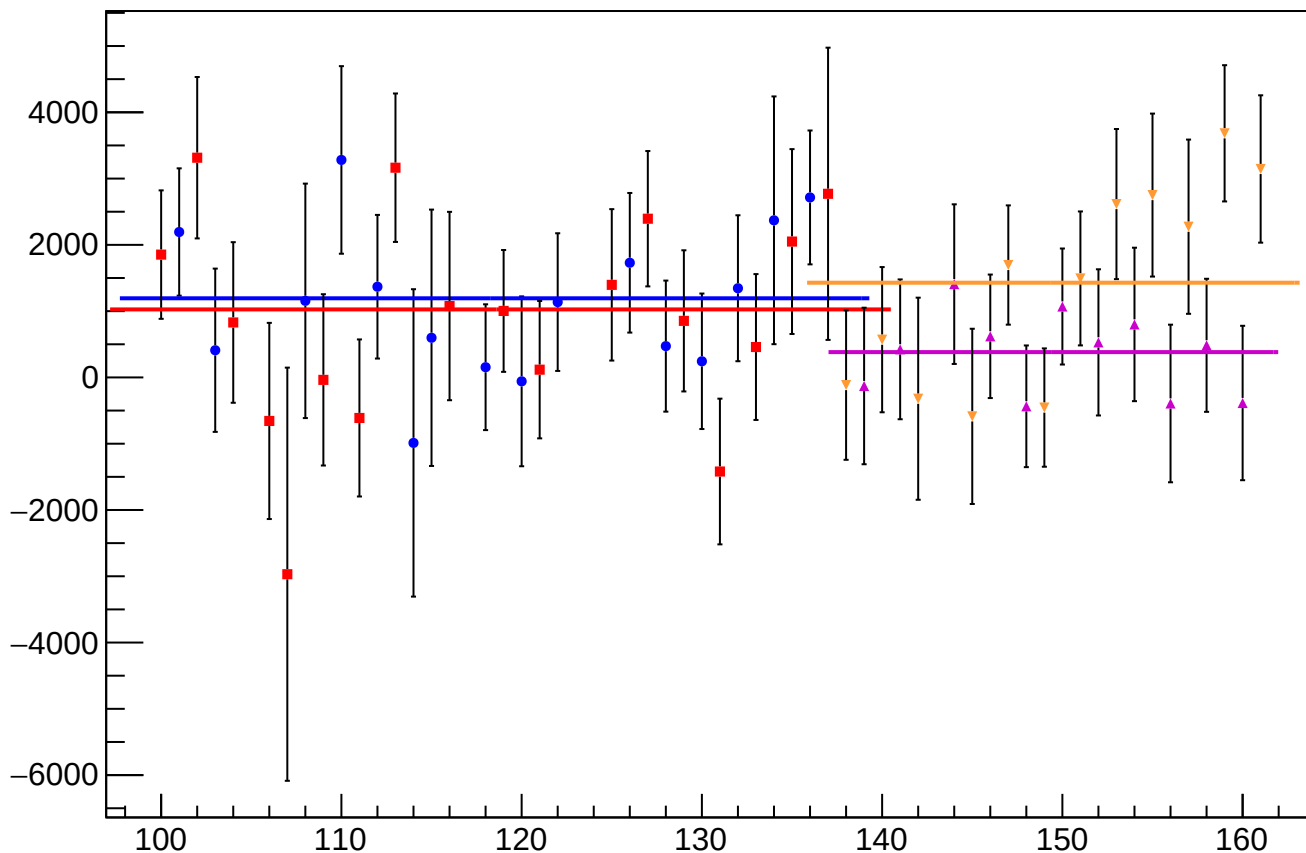
Left In: 733.653+/-0.176 χ^2/NDF : 476829.2/10

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

356.790+/-0.058 χ^2/NDF : 25053341.3/56

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

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 1429.228 $\pm$ 318.331 χ^2/NDF : 20.5/11

Right Out: 1026.130 $\pm$ 280.822 χ^2/NDF : 22.5/17

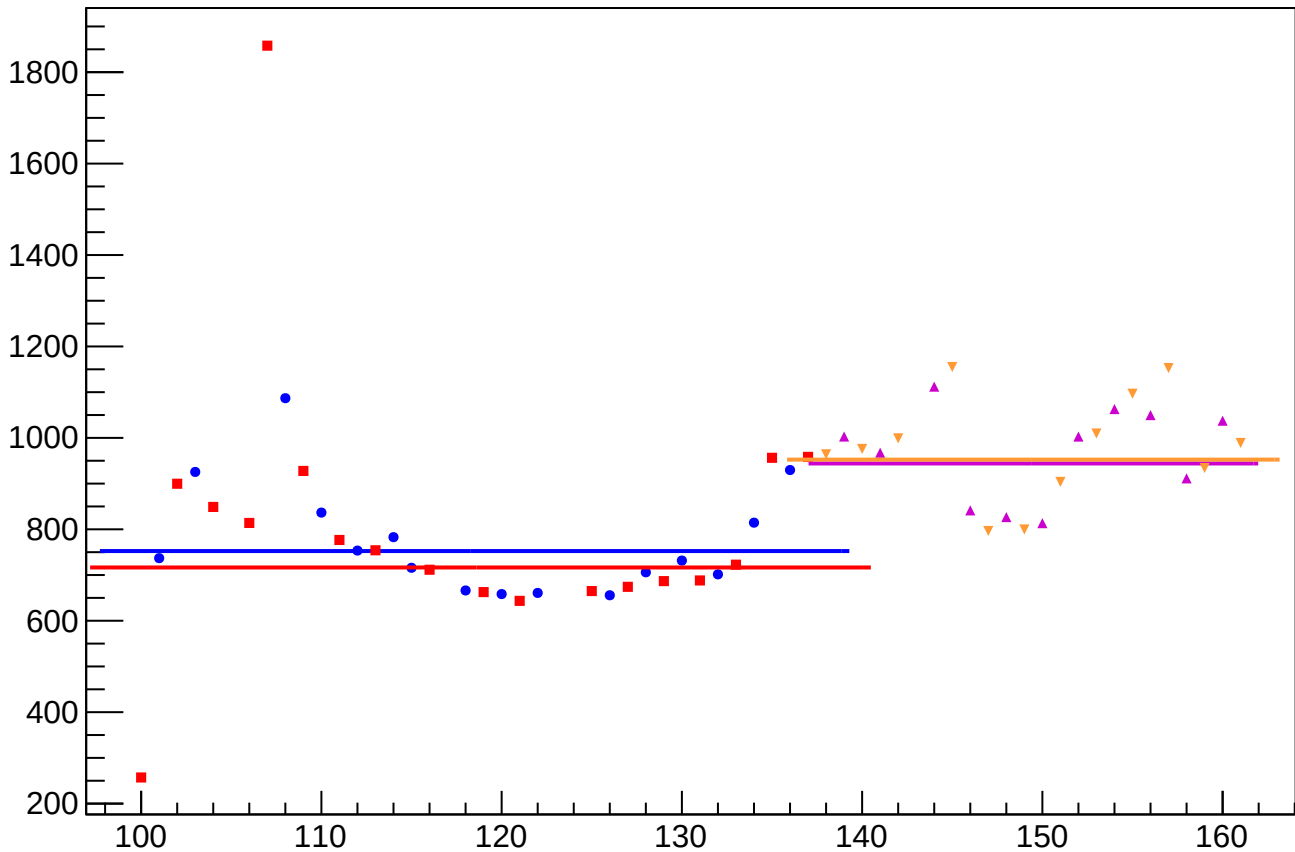
Left In: 382.055 $\pm$ 316.937 χ^2/NDF : 3.4/10

1302.616 $\pm$ 216.393 χ^2/NDF : 32.0/27

1014.596 $\pm$ 150.770 χ^2/NDF : 63.7/56

742.865 $\pm$ 210.185 χ^2/NDF : 28.3/28

asym_left_dd_rms vs Slug, Sign Corrected



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

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

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

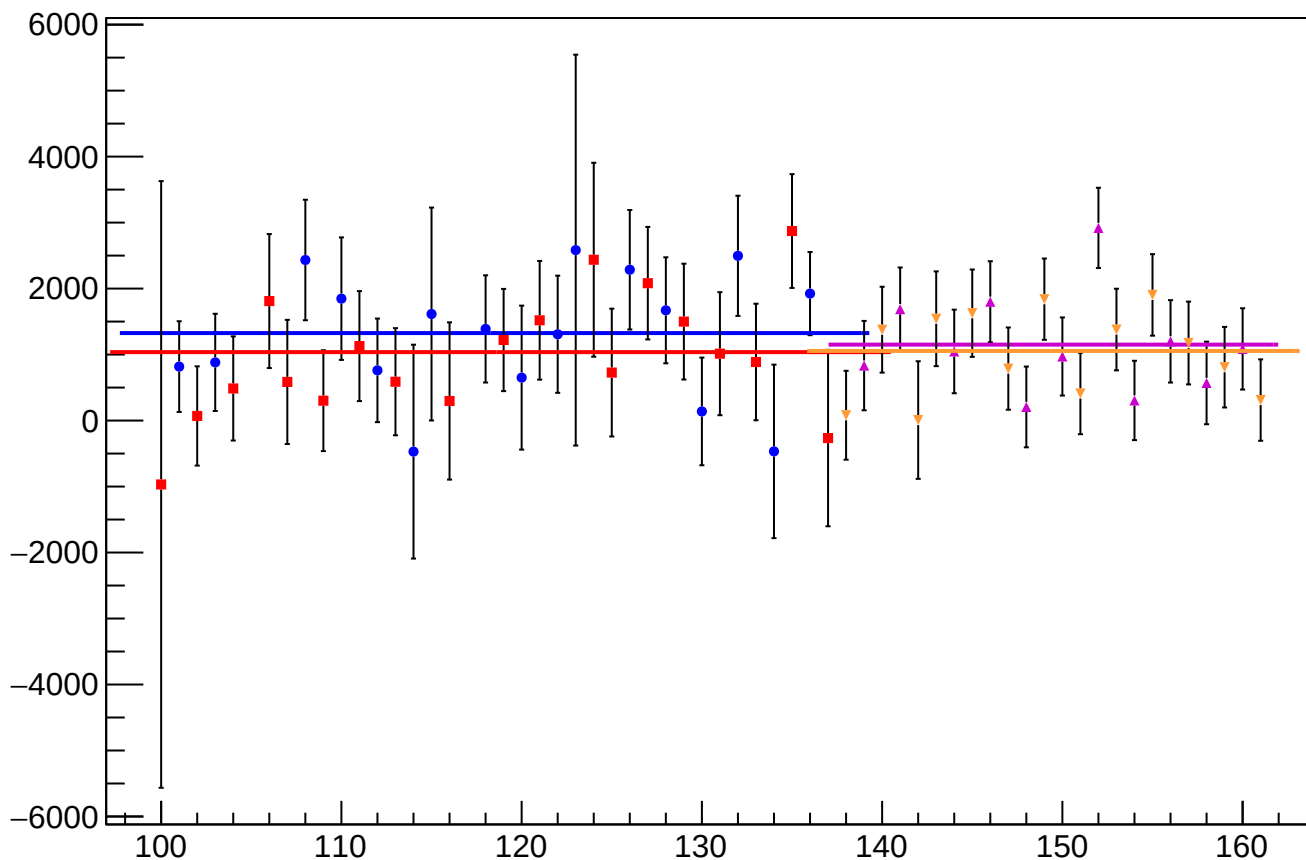
Left In: 944.049+/-0.224 χ^2/NDF : 204092.9/10

844.878+/-0.153 χ^2/NDF : 932878.1/27

830.322+/-0.107 χ^2/NDF : 2698910.3/56

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

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1054.796 $\pm$ 179.661 χ^2 /NDF: 11.7/12

Right Out: 1037.028 $\pm$ 211.583 χ^2 /NDF: 13.4/18

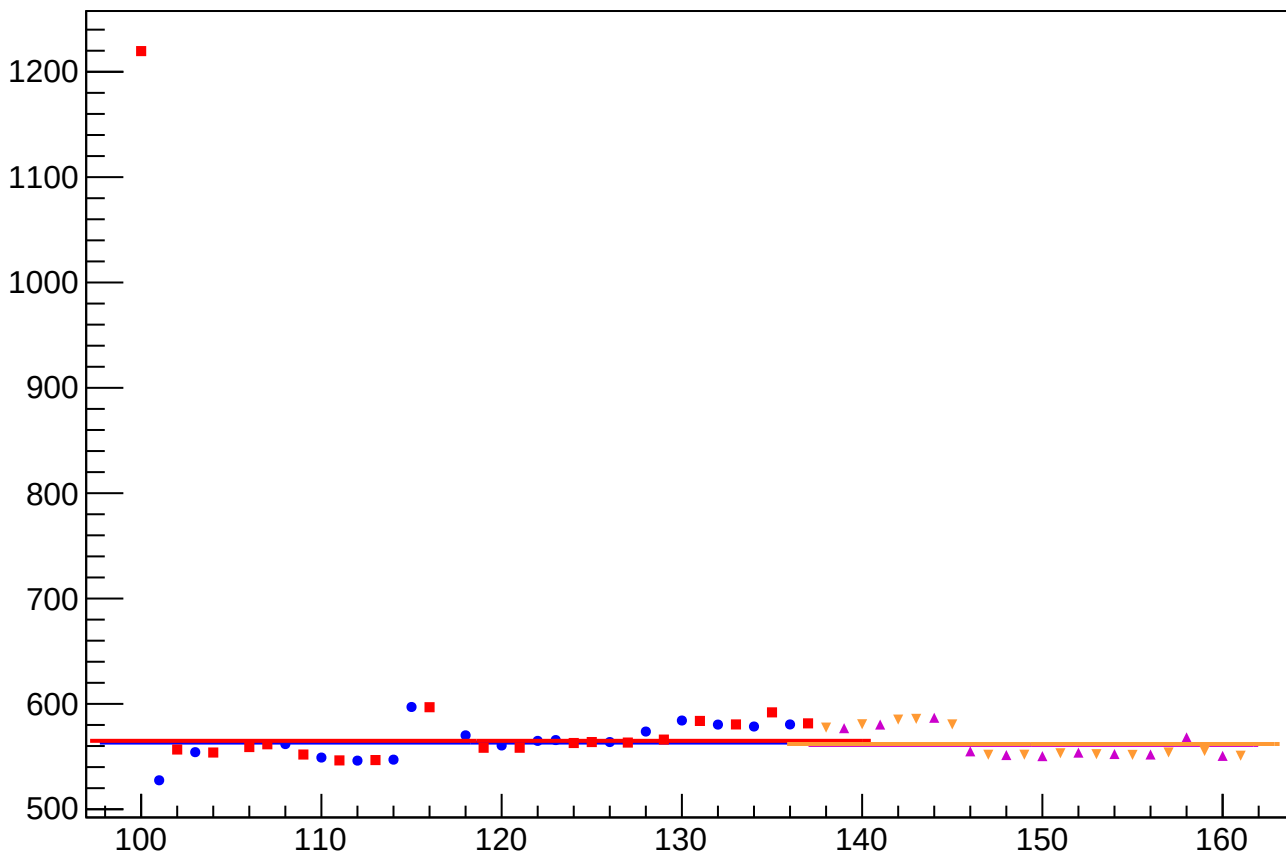
Left In: 1150.706 $\pm$ 187.034 χ^2 /NDF: 15.9/10

1164.337 $\pm$ 138.672 χ^2 /NDF: 25.5/29

1132.922 $\pm$ 98.568 χ^2 /NDF: 55.0/59

1100.842 $\pm$ 140.132 χ^2 /NDF: 29.5/29

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

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

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

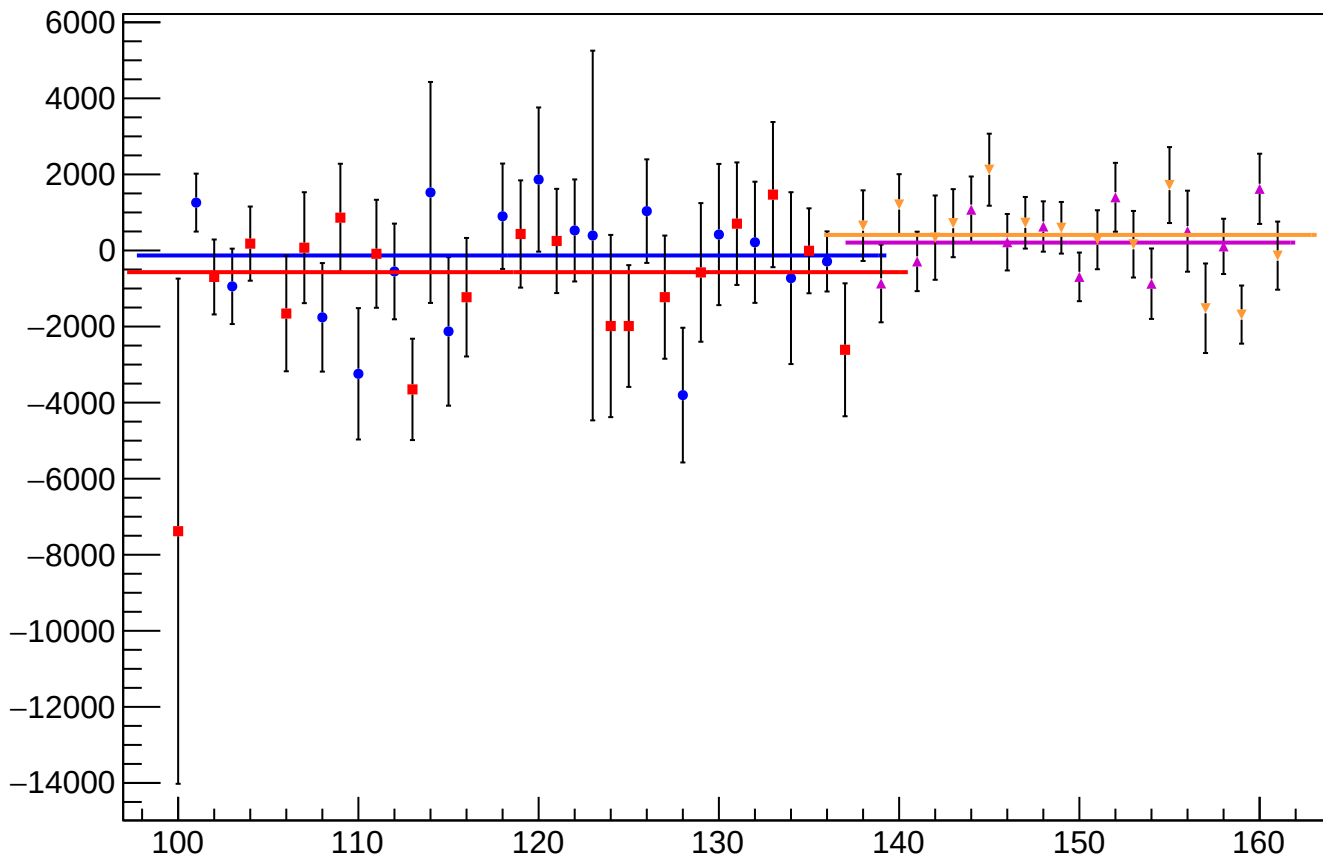
Left In: 561.030+/-0.132 χ^2/NDF : 9585.9/10

562.471+/-0.098 χ^2/NDF : 24189.3/29

562.607+/-0.070 χ^2/NDF : 83459.3/59

562.747+/-0.099 χ^2/NDF : 59266.0/29

asym_right_avg_correction_mean vs Slug, Sign Corrected



Right In: -131.097 $\pm$ 327.588 χ^2/NDF : 17.2/16

Left Out: 409.746 $\pm$ 236.340 χ^2/NDF : 17.2/12

Right Out: -569.844 $\pm$ 332.404 χ^2/NDF : 14.6/18

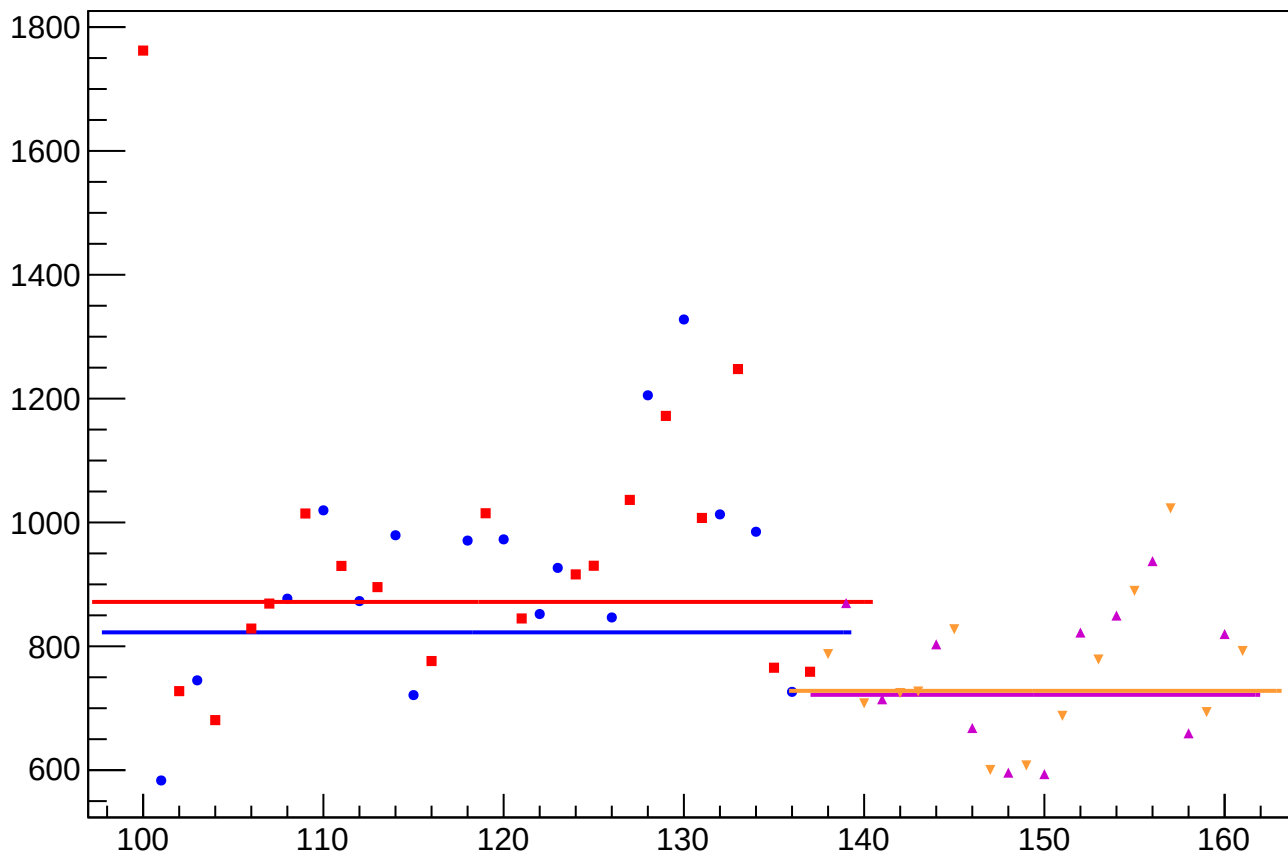
Left In: 207.703 $\pm$ 244.058 χ^2/NDF : 10.4/10

224.604 $\pm$ 191.665 χ^2/NDF : 36.2/29

83.750 $\pm$ 137.282 χ^2/NDF : 65.9/59

-64.641 $\pm$ 196.726 χ^2/NDF : 28.6/29

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 822.527 $\pm$ 0.232 χ^2 /NDF: 600956.1/16

Left Out: 728.069 $\pm$ 0.167 χ^2 /NDF: 369383.4/12

Right Out: 871.679 $\pm$ 0.235 χ^2 /NDF: 406857.8/18

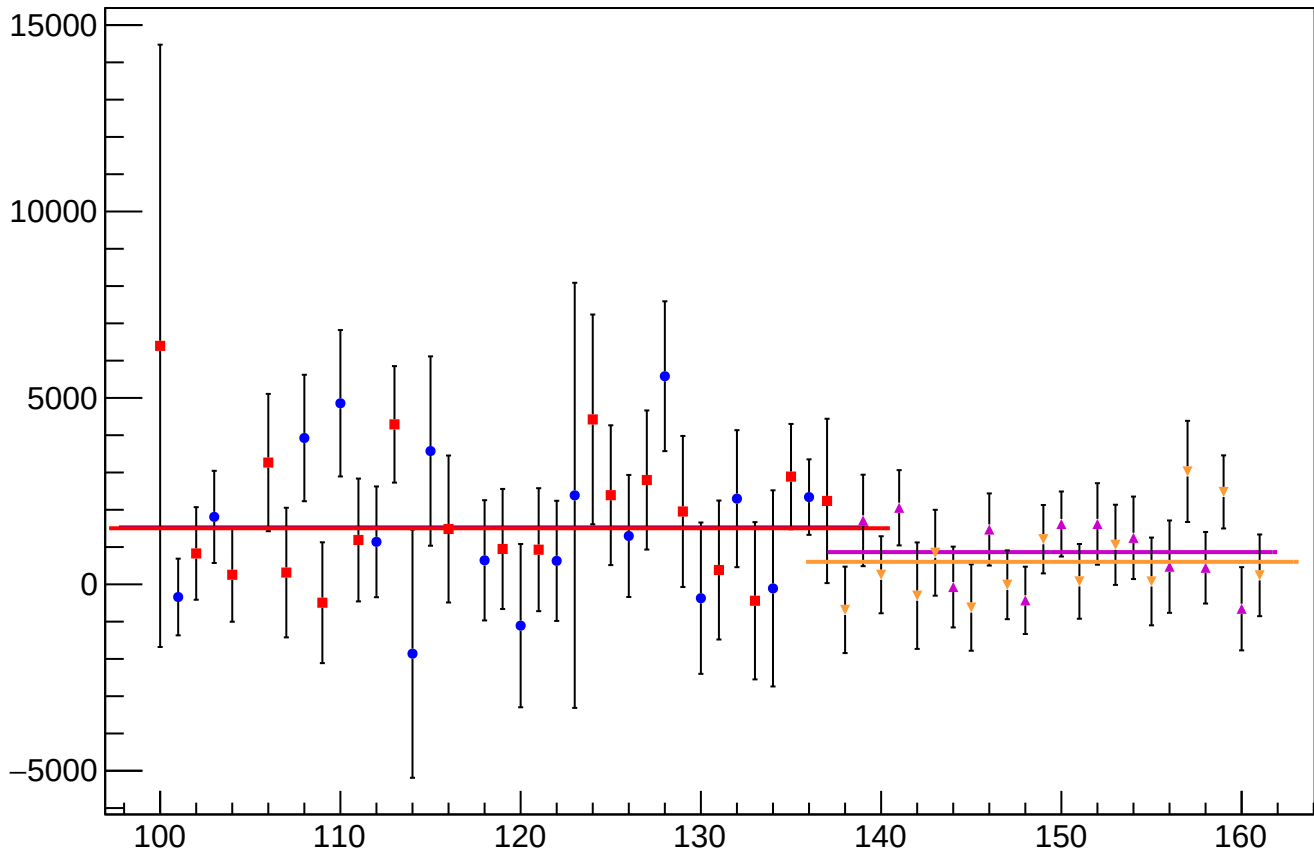
Left In: 721.650 $\pm$ 0.173 χ^2 /NDF: 404780.6/10

760.404 $\pm$ 0.136 χ^2 /NDF: 1079701.8/29

767.122 $\pm$ 0.097 χ^2 /NDF: 2161104.3/59

774.200 $\pm$ 0.139 χ^2 /NDF: 1076356.5/29

asym_right_avg_mean vs Slug, Sign Corrected



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

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

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

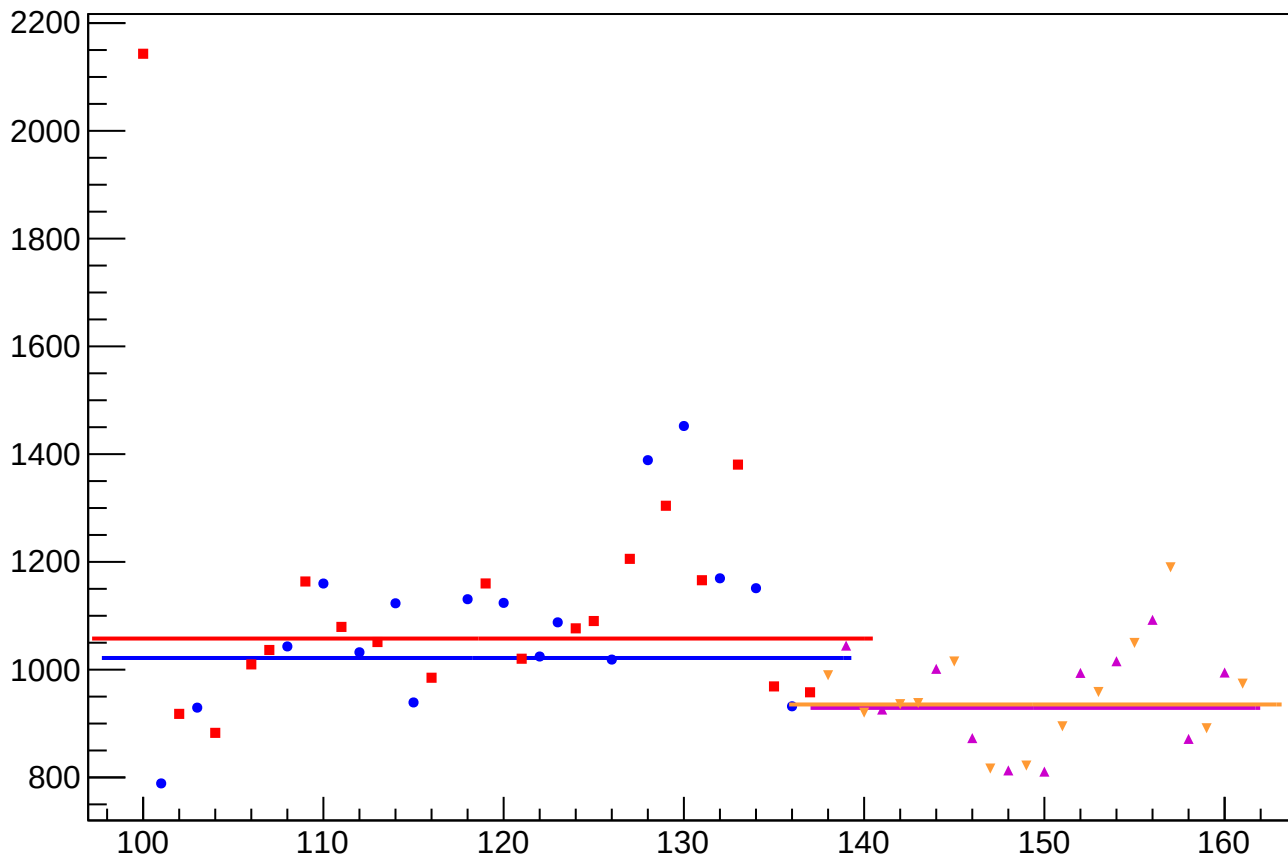
Left In: 864.727 $\pm$ 311.547 χ^2/NDF : 8.6/10

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

1019.080 $\pm$ 172.054 χ^2/NDF : 55.5/59

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

asym_right_avg_rms vs Slug, Sign Corrected



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

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

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

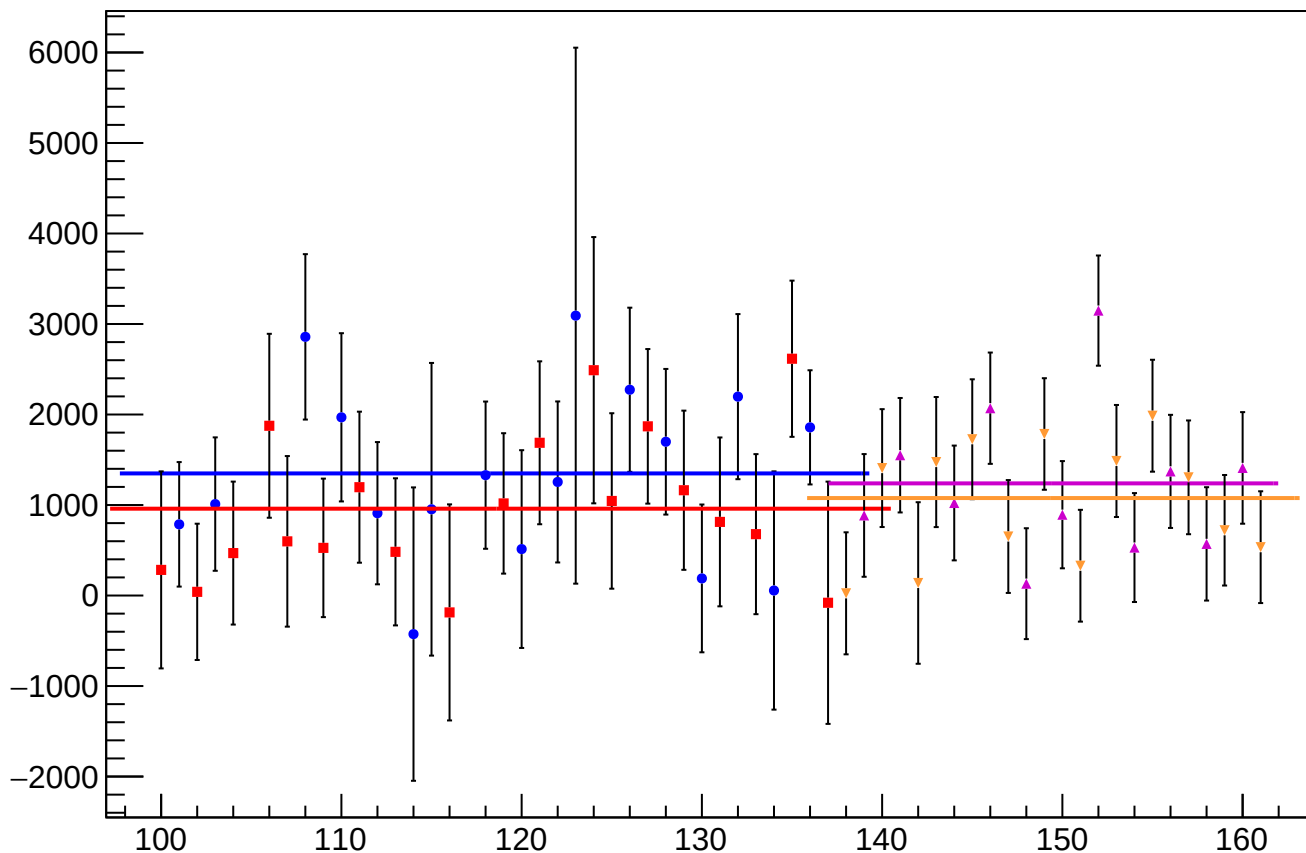
Left In: 929.047+/-0.220 χ^2/NDF : 171525.6/10

966.421+/-0.170 χ^2/NDF : 569038.8/29

971.923+/-0.122 χ^2/NDF : 1102526.9/59

977.649+/-0.174 χ^2/NDF : 531359.7/29

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1076.928 $\pm$ 179.844 χ^2 /NDF:12.2/12

Right Out: 959.496 $\pm$ 208.143 χ^2 /NDF: 12.2/18

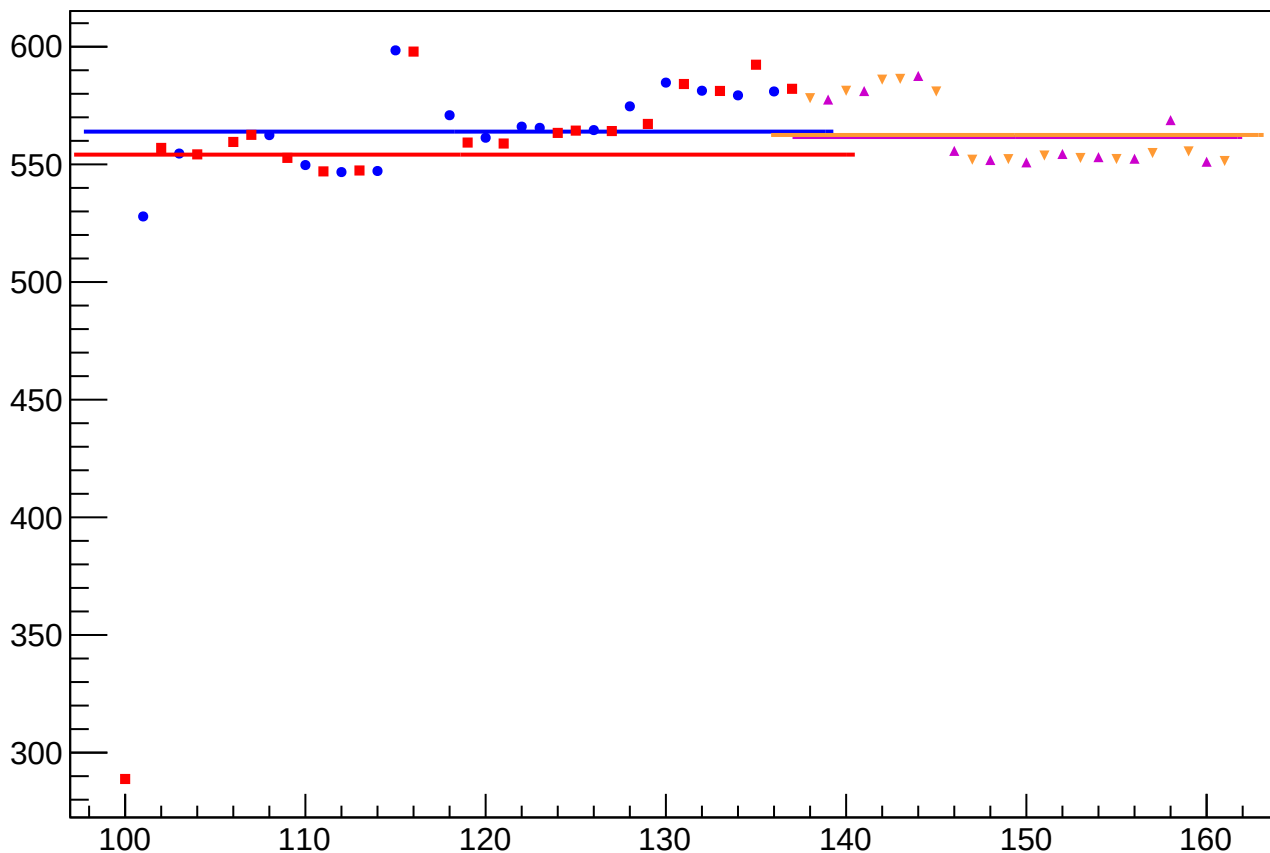
Left In: 1239.151 $\pm$ 187.233 χ^2 /NDF:18.6/10

1186.954 $\pm$ 138.822 χ^2 /NDF: 25.4/29

1150.613 $\pm$ 98.296 χ^2 /NDF: 57.3/59

1114.072 $\pm$ 139.201 χ^2 /NDF: 31.8/29

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

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

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

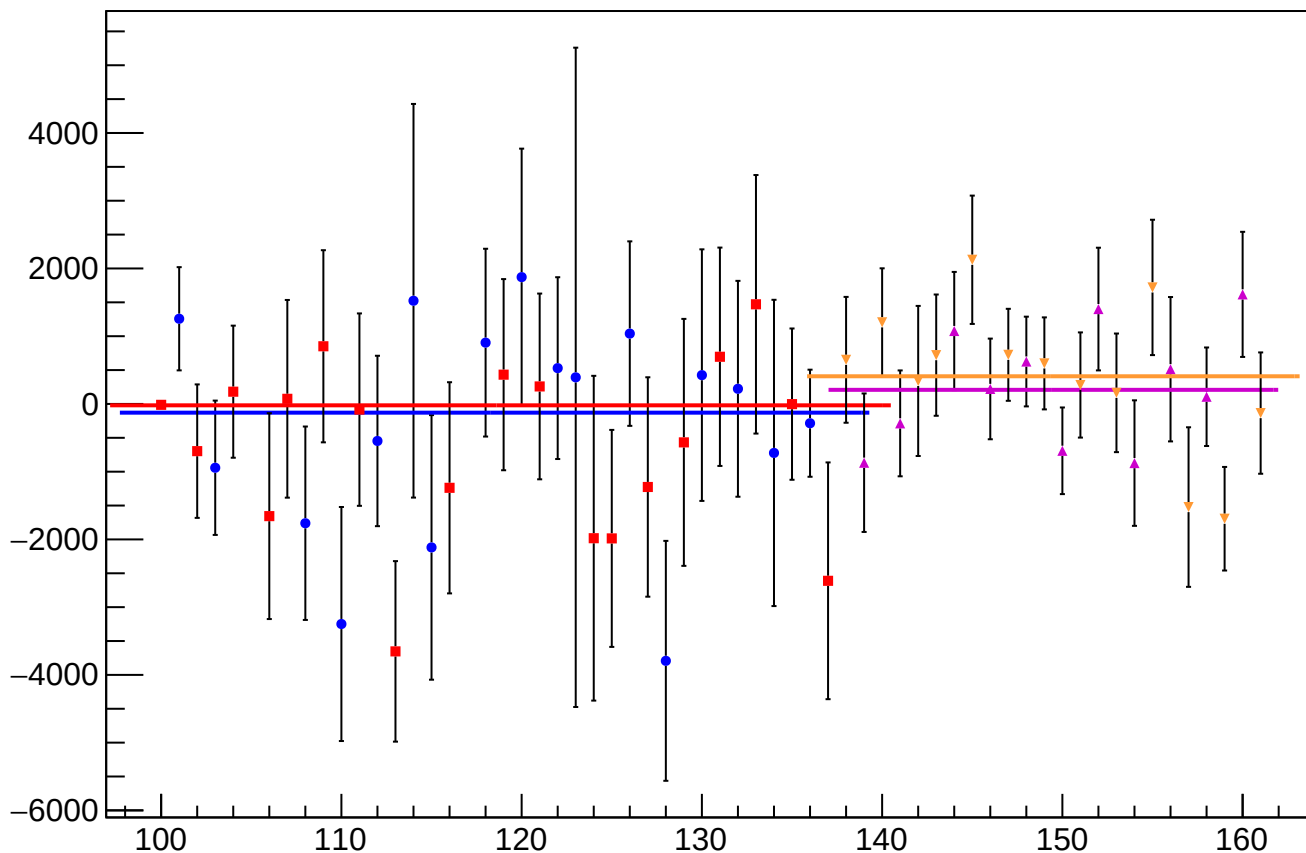
Left In: 561.625 $\pm$ 0.132 χ^2 /NDF: 9681.9/10

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

560.684 $\pm$ 0.070 χ^2 /NDF: 168636.6/59

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

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

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

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

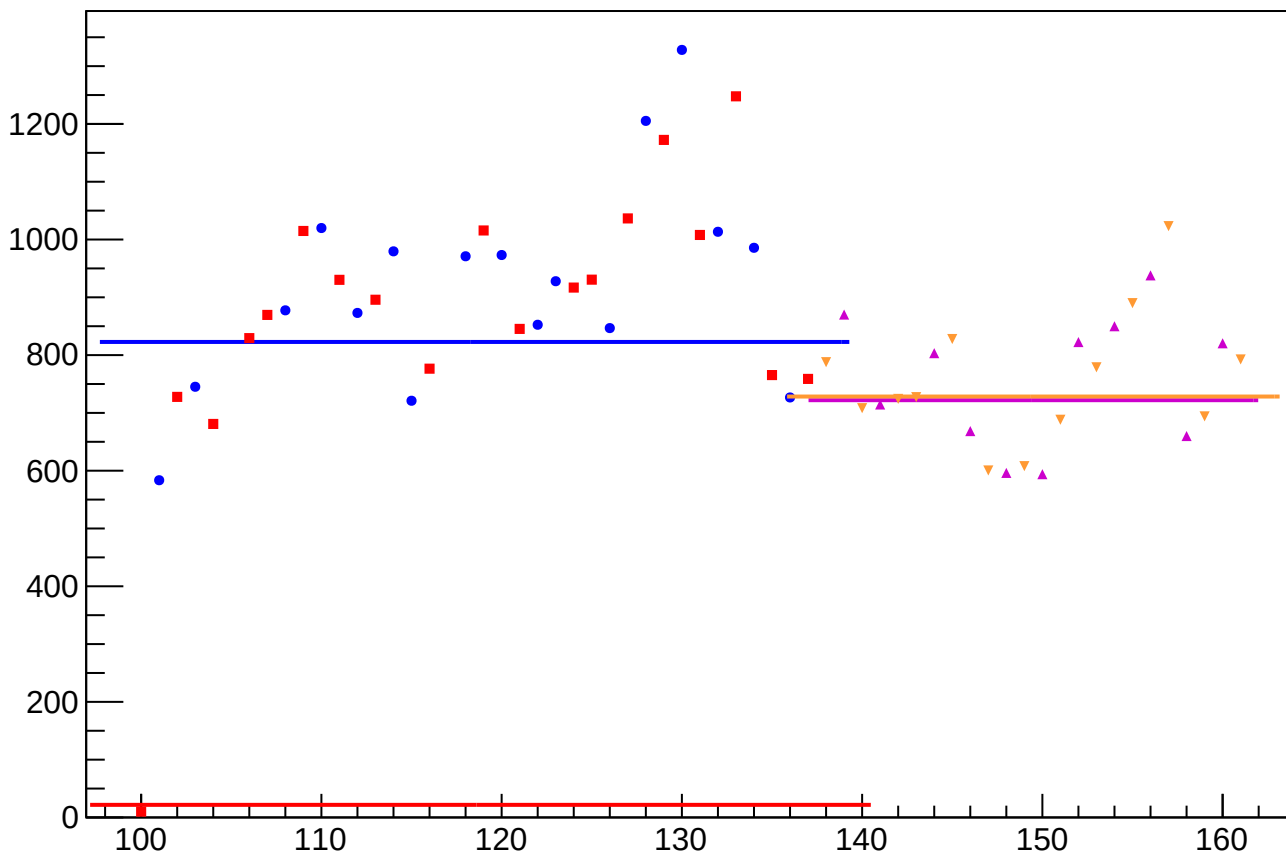
Left In: 208.181+/-244.175 χ^2/NDF : 10.4/10

224.533+/-191.730 χ^2/NDF : 36.2/29

-5.453+/-37.716 χ^2/NDF : 65.1/59

-14.711+/-38.468 χ^2/NDF : 27.4/29

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 728.317 $\pm$ 0.167 χ^2 /NDF: 369426.9/12

Right Out: 21.812 $\pm$ 0.028 χ^2 /NDF: 13523611.9/18

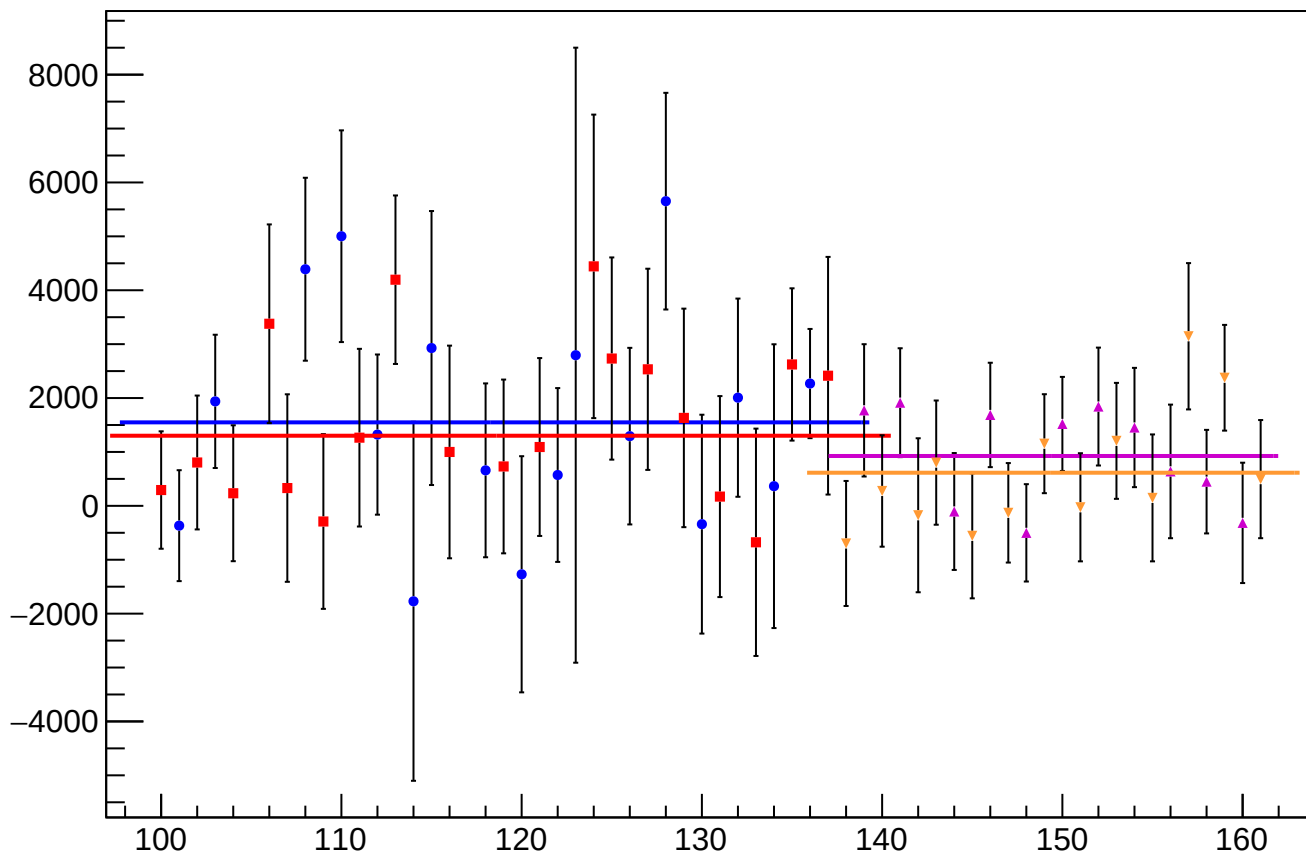
Left In: 722.005 $\pm$ 0.173 χ^2 /NDF: 404507.7/10

760.656 $\pm$ 0.136 χ^2 /NDF: 1079603.3/29

67.109 $\pm$ 0.027 χ^2 /NDF: 58268918.0/59

39.191 $\pm$ 0.027 χ^2 /NDF: 29965995.2/29

asym_right_dd_mean vs Slug, Sign Corrected



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

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

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

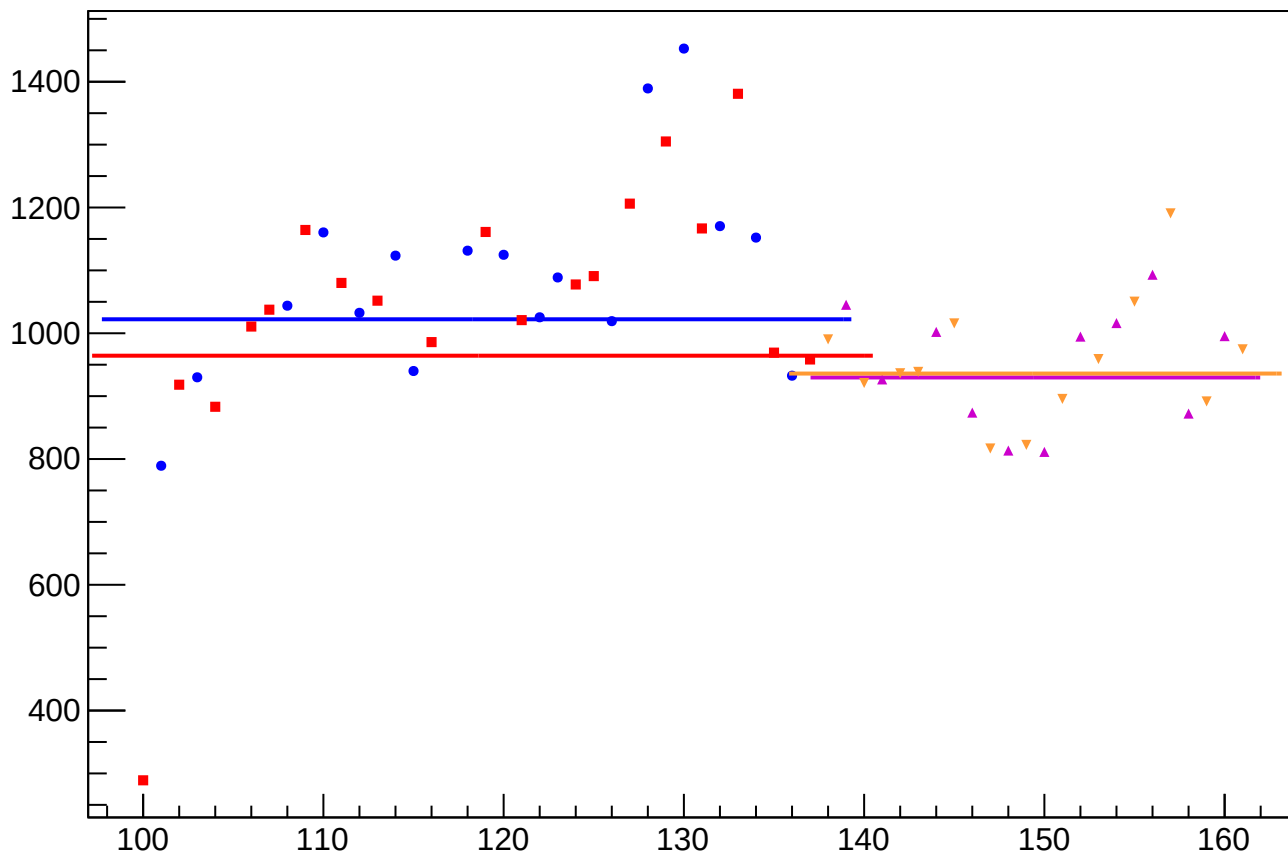
Left In: 925.017 ± 311.760 χ^2/NDF : 8.4/10

950.494 ± 241.071 χ^2/NDF : 33.8/29

1014.605 ± 170.085 χ^2/NDF : 55.4/59

1078.151 ± 240.005 χ^2/NDF : 21.5/29

asym_right_dd_rms vs Slug, Sign Corrected



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

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

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

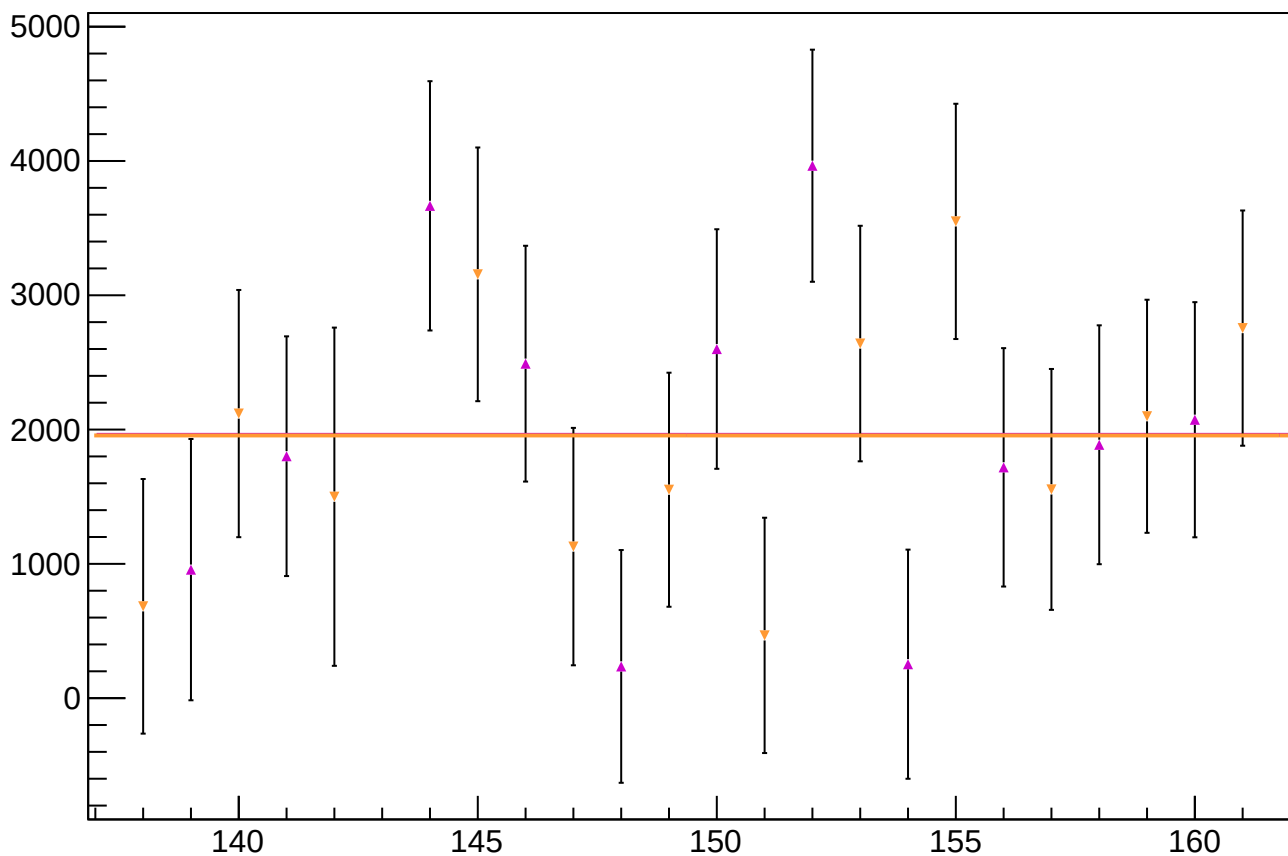
Left In: 929.687+/-0.220 χ^2/NDF : 171404.9/10

966.965+/-0.170 χ^2/NDF : 569084.5/29

955.331+/-0.120 χ^2/NDF : 1827106.5/59

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

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

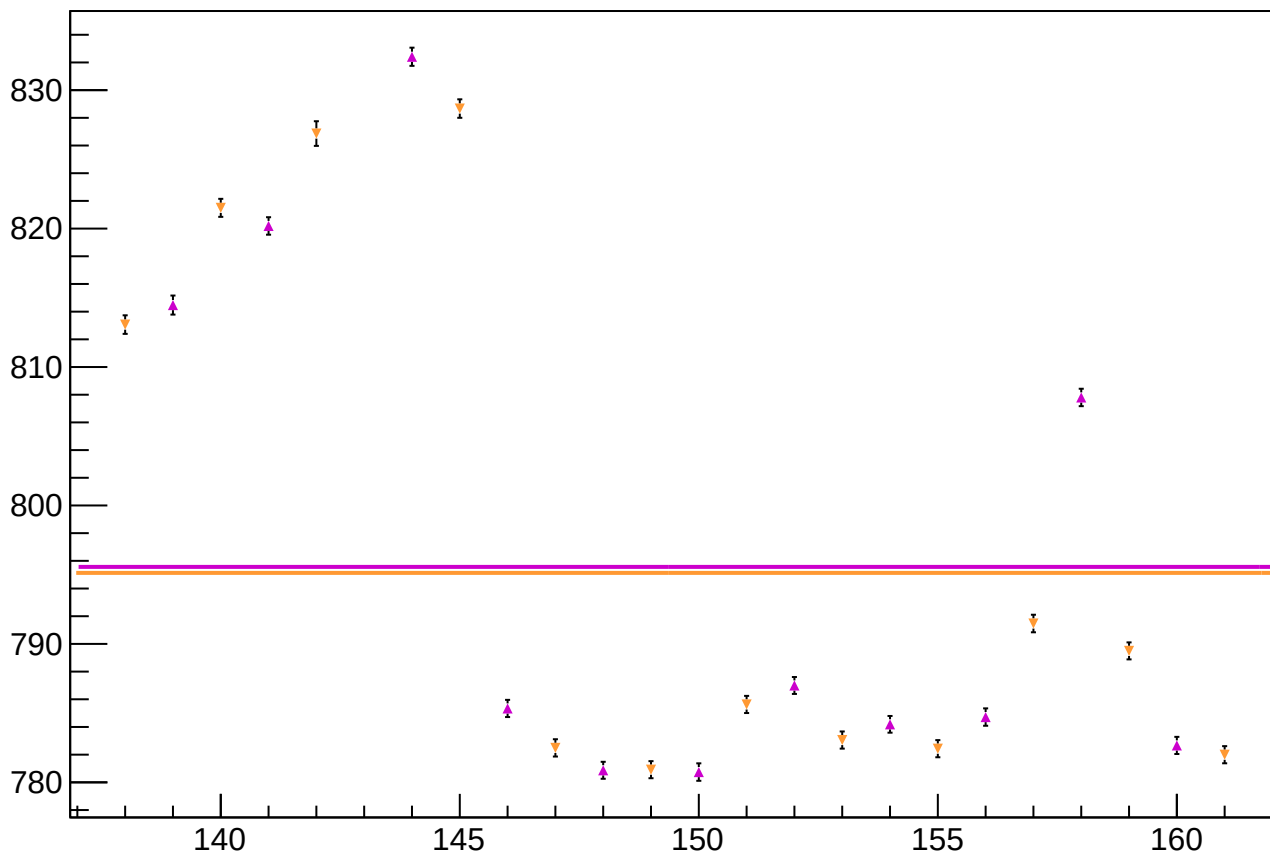
Left In: 1960.529+/-268.134 χ^2/NDF : 18.8/10

1956.351+/-263.325 χ^2/NDF : 12.5/11

1958.402+/-187.876 χ^2/NDF : 31.3/22

1960.529+/-268.134 χ^2/NDF : 18.8/10

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

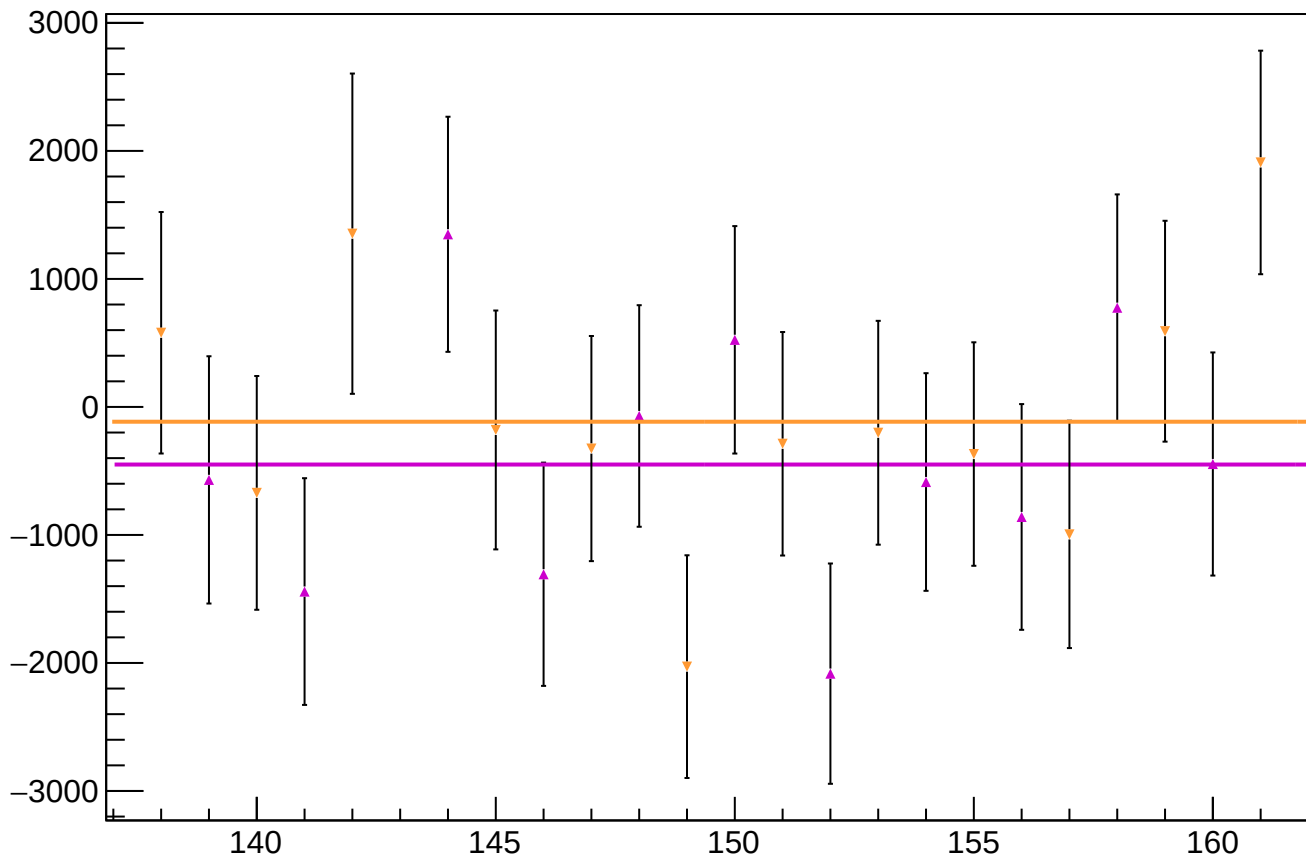
Left In: 795.563+/-0.190 χ^2/NDF : 8492.2/10

795.130+/-0.186 χ^2/NDF : 8692.1/11

795.343+/-0.133 χ^2/NDF : 17187.0/22

795.563+/-0.190 χ^2/NDF : 8492.2/10

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

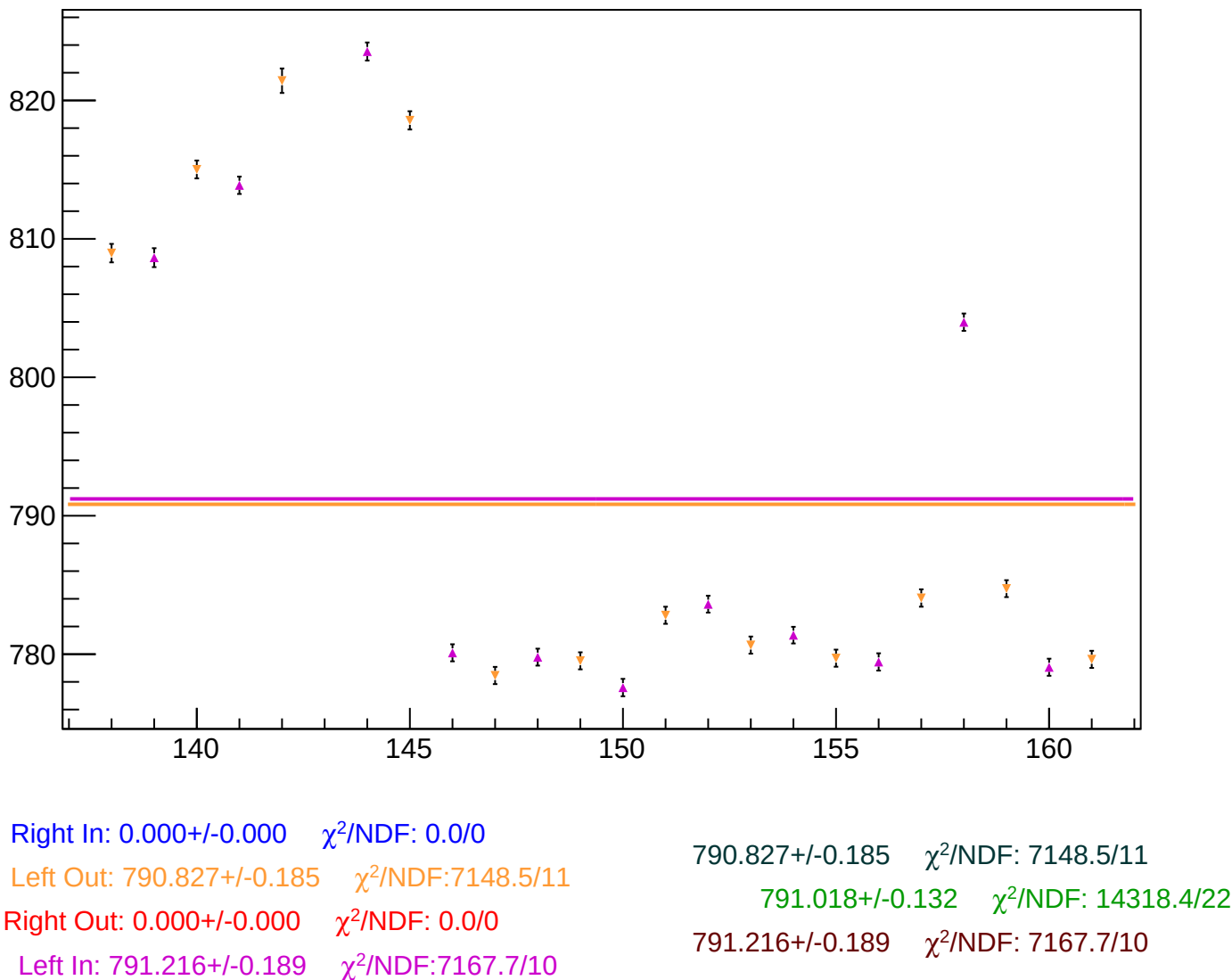
Left In: -449.968+/-266.653 χ^2/NDF : 13.2/10

-115.531+/-261.871 χ^2/NDF : 14.4/11

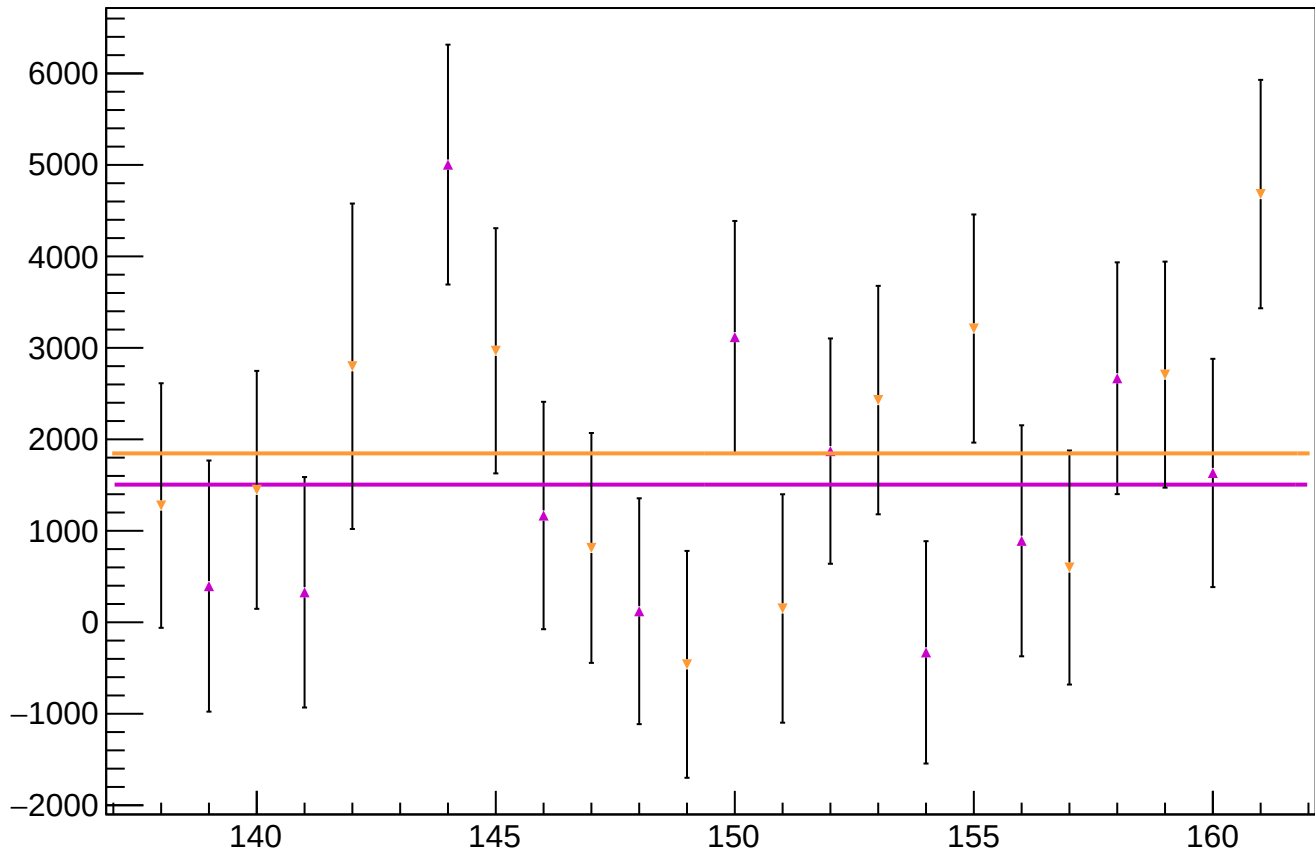
-279.724+/-186.839 χ^2/NDF : 28.4/22

-449.968+/-266.653 χ^2/NDF : 13.2/10

cor_asym_us_dd_rms vs Slug, Sign Corrected



cor_asym_usl_mean vs Slug, Sign Corrected



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

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

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

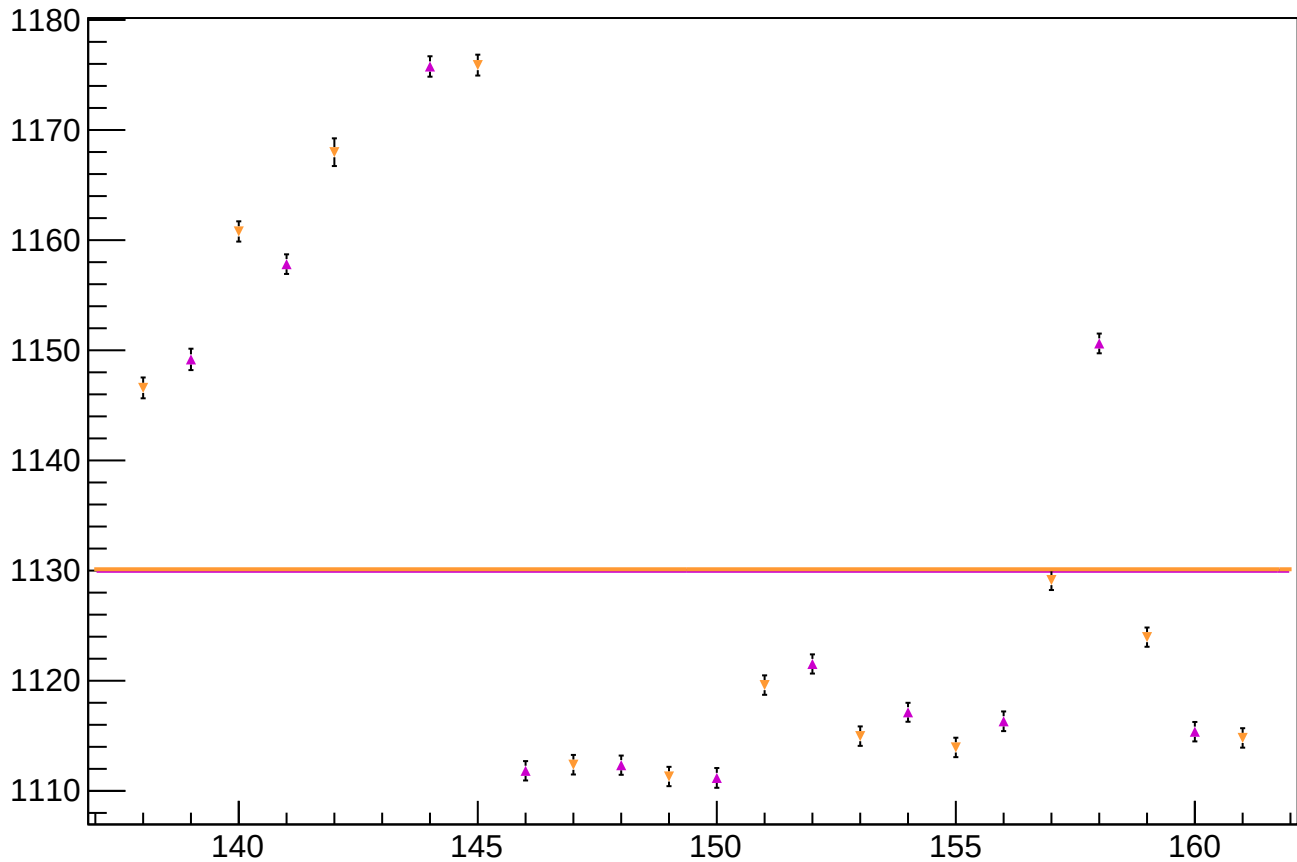
Left In: 1505.059+/-380.818 χ^2/NDF : 15.0/10

1846.471+/-374.229 χ^2/NDF : 15.2/11

1678.744+/-266.919 χ^2/NDF : 30.7/22

1505.059+/-380.818 χ^2/NDF : 15.0/10

cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

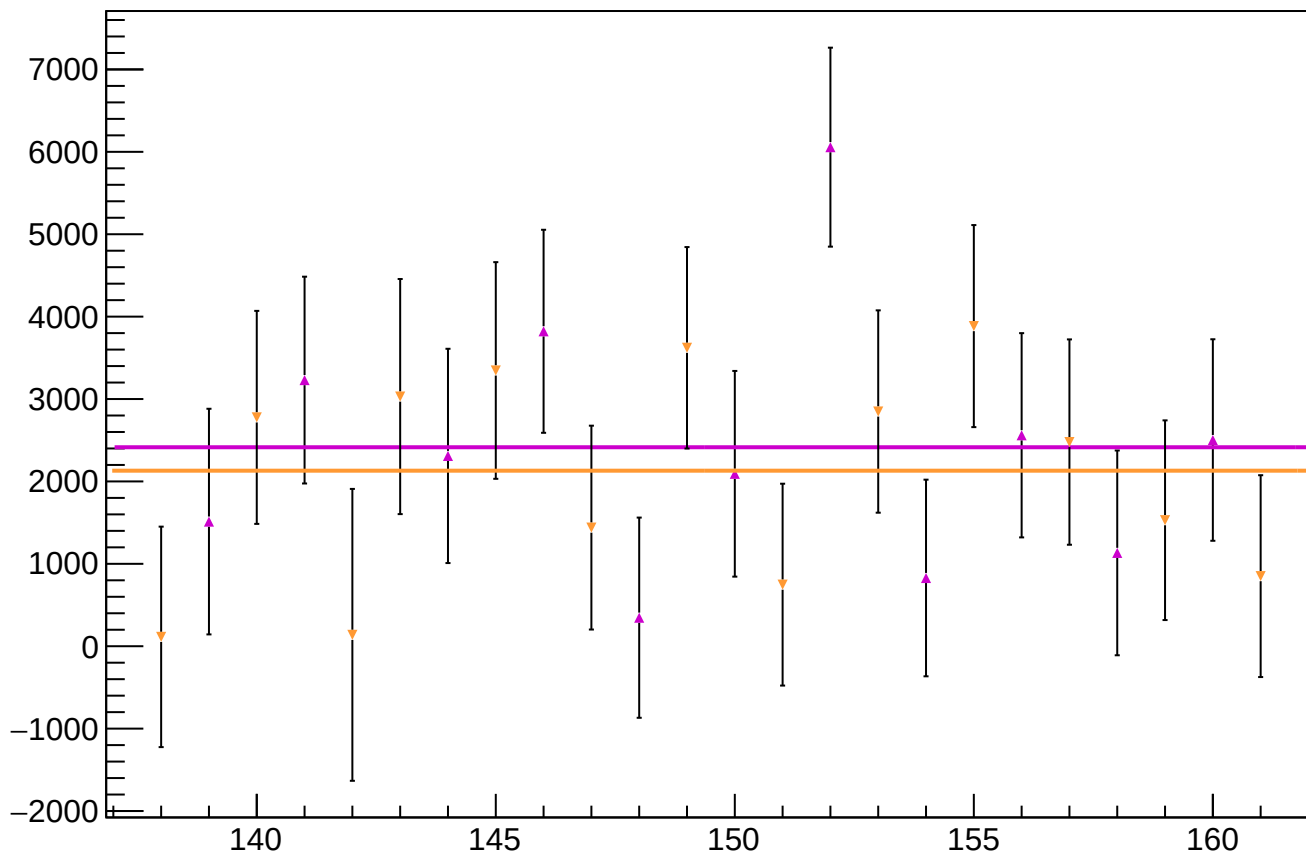
Left In: 1129.982+/-0.269 χ^2/NDF : 6437.8/10

1130.121+/-0.265 χ^2/NDF : 6637.7/11

1130.053+/-0.189 χ^2/NDF : 13075.6/22

1129.982+/-0.269 χ^2/NDF : 6437.8/10

cor_asym_usr_mean vs Slug, Sign Corrected



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

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

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

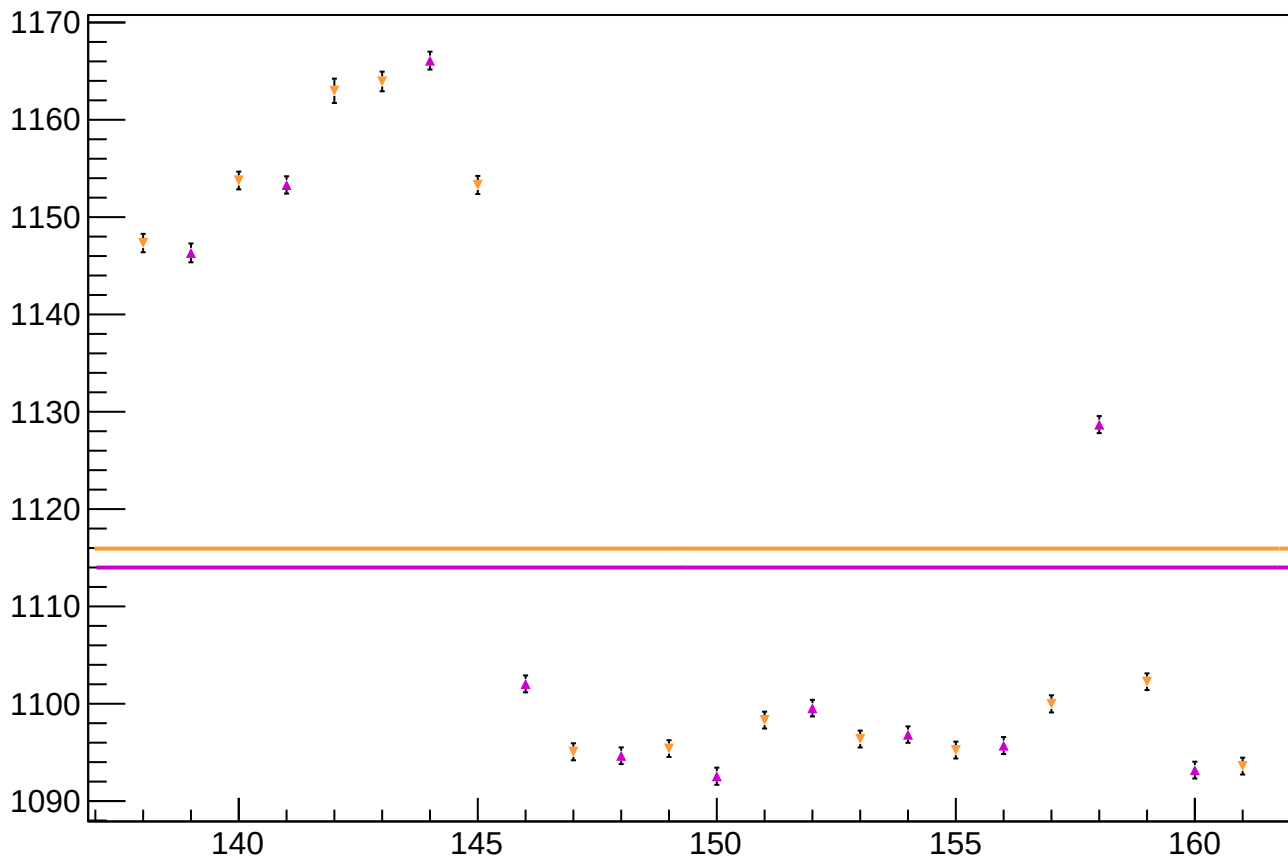
Left In: 2414.810+/-375.464 χ^2/NDF : 17.1/10

2130.374+/-356.793 χ^2/NDF : 11.9/12

2265.344+/-258.639 χ^2/NDF : 29.3/23

2414.810+/-375.464 χ^2/NDF : 17.1/10

cor_asym_usr_rms vs Slug, Sign Corrected



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

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

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

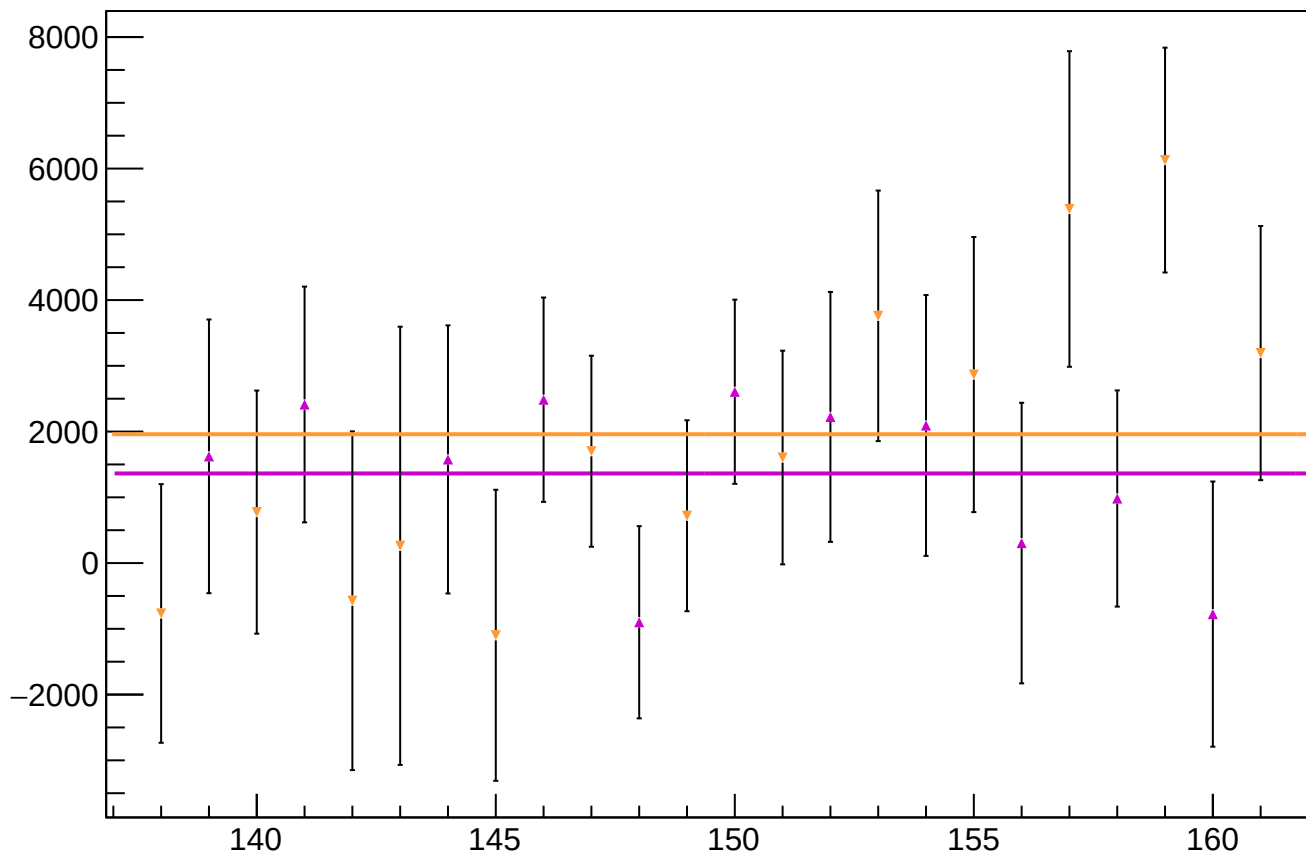
Left In: 1113.995+/-0.265 χ^2/NDF : 9567.1/10

1115.940+/-0.252 χ^2/NDF : 11978.9/12

1115.017+/-0.183 χ^2/NDF : 21574.3/23

1113.995+/-0.265 χ^2/NDF : 9567.1/10

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

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

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

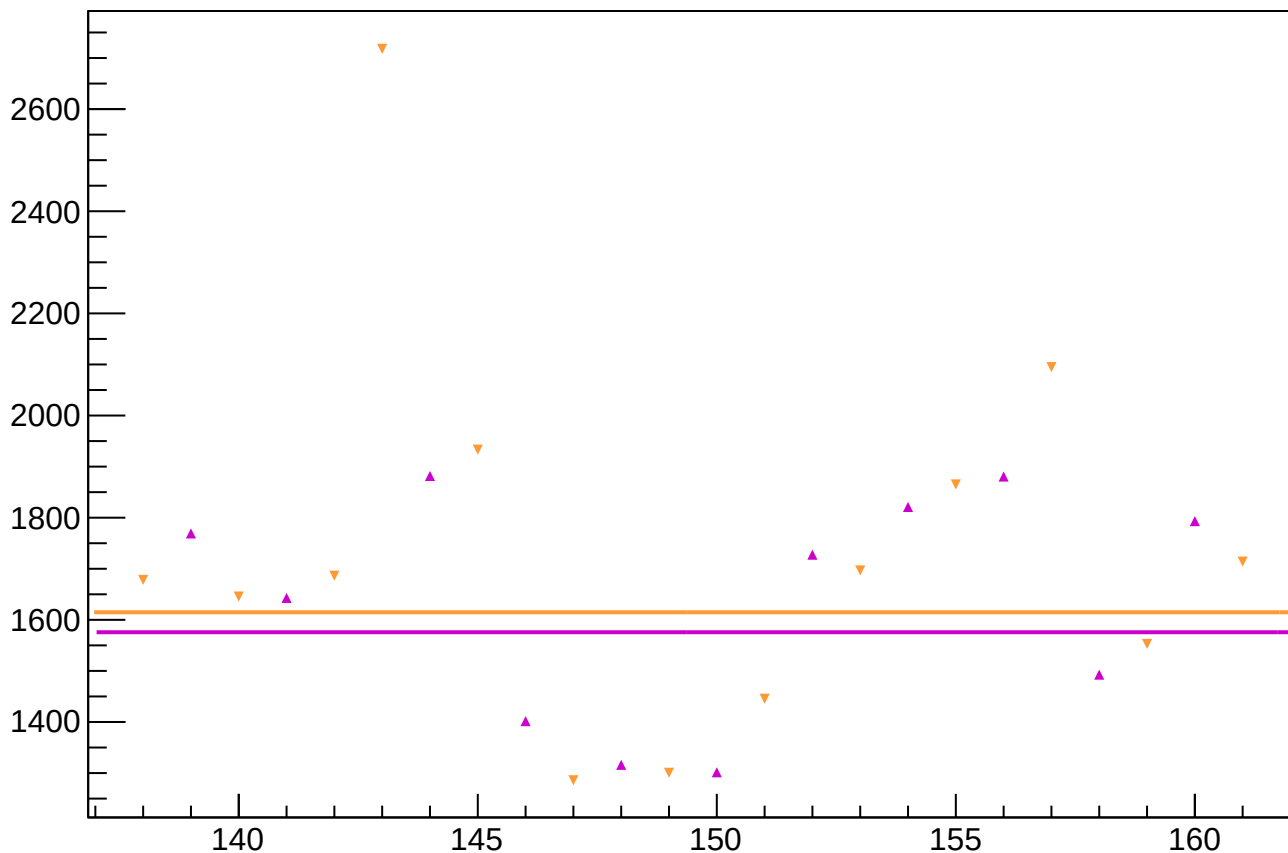
Left In: 1363.163+/-531.442 χ^2/NDF : 5.8/10

1959.771+/-526.316 χ^2/NDF : 15.7/12

1664.358+/-373.961 χ^2/NDF : 22.2/23

1363.163+/-531.442 χ^2/NDF : 5.8/10

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

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

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

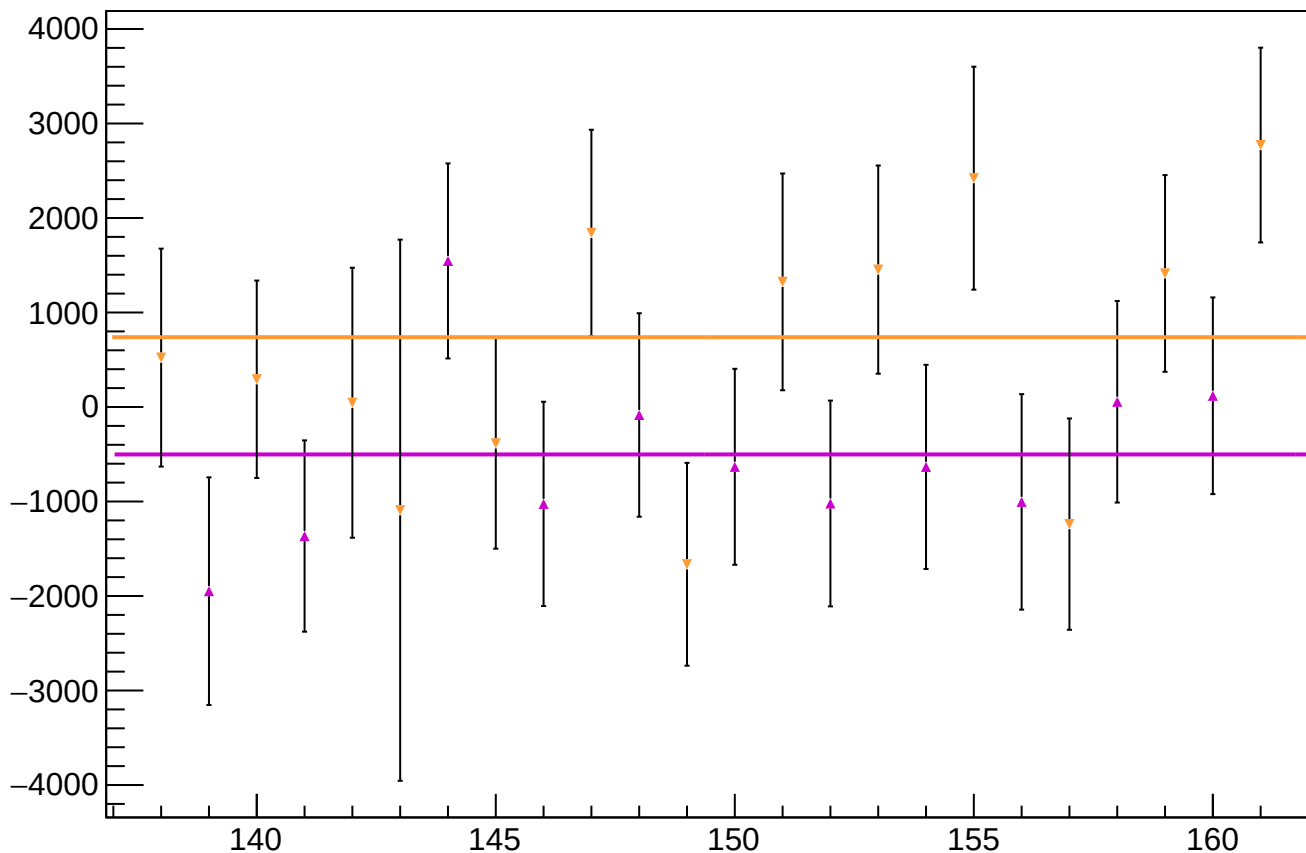
Left In: 1575.737+/-0.376 χ^2/NDF : 342470.4/10

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

1595.470+/-0.264 χ^2/NDF : 950774.7/23

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

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

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

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

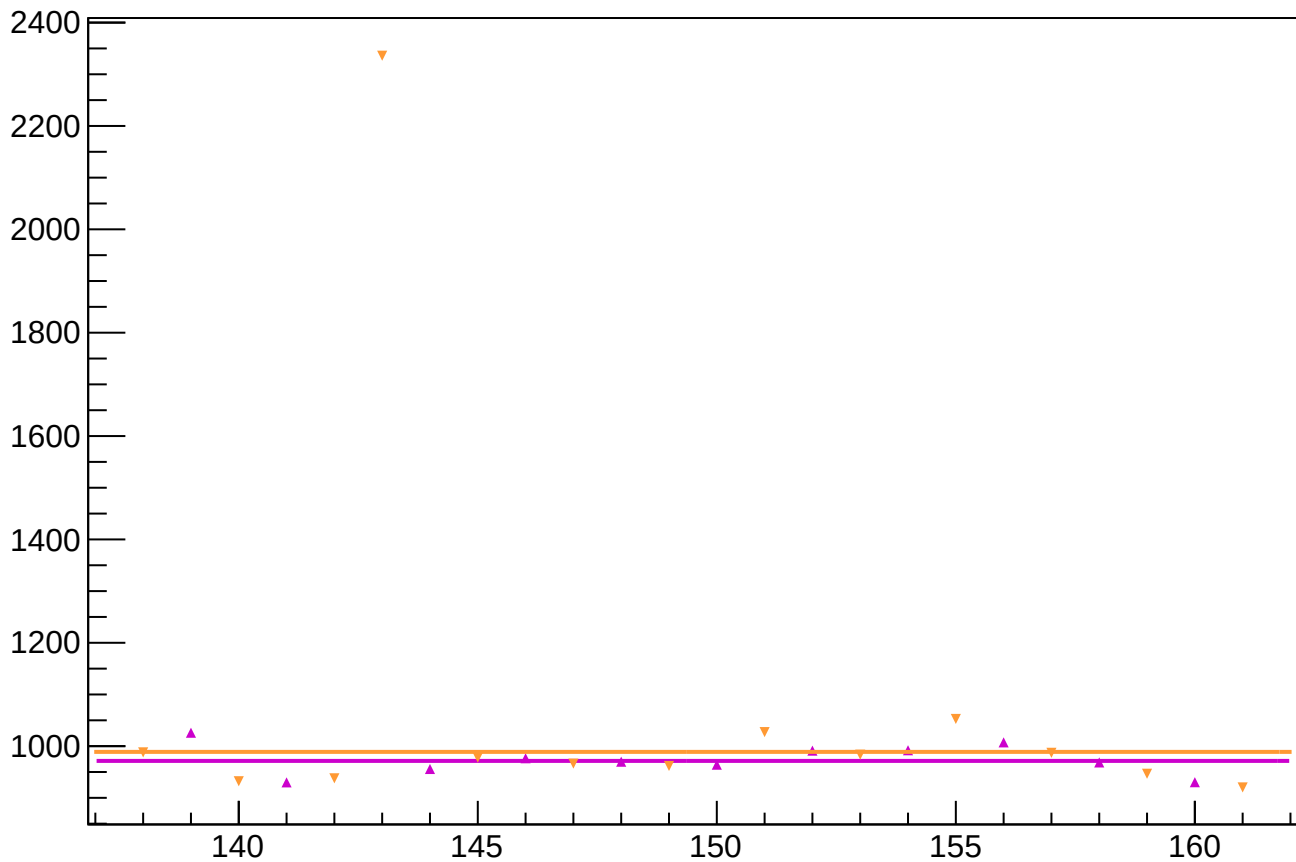
Left In: -501.967+/-323.992 χ^2/NDF : 7.6/10

738.646+/-320.097 χ^2/NDF : 18.1/12

125.843+/-227.707 χ^2/NDF : 33.1/23

-501.967+/-323.992 χ^2/NDF : 7.6/10

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

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

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

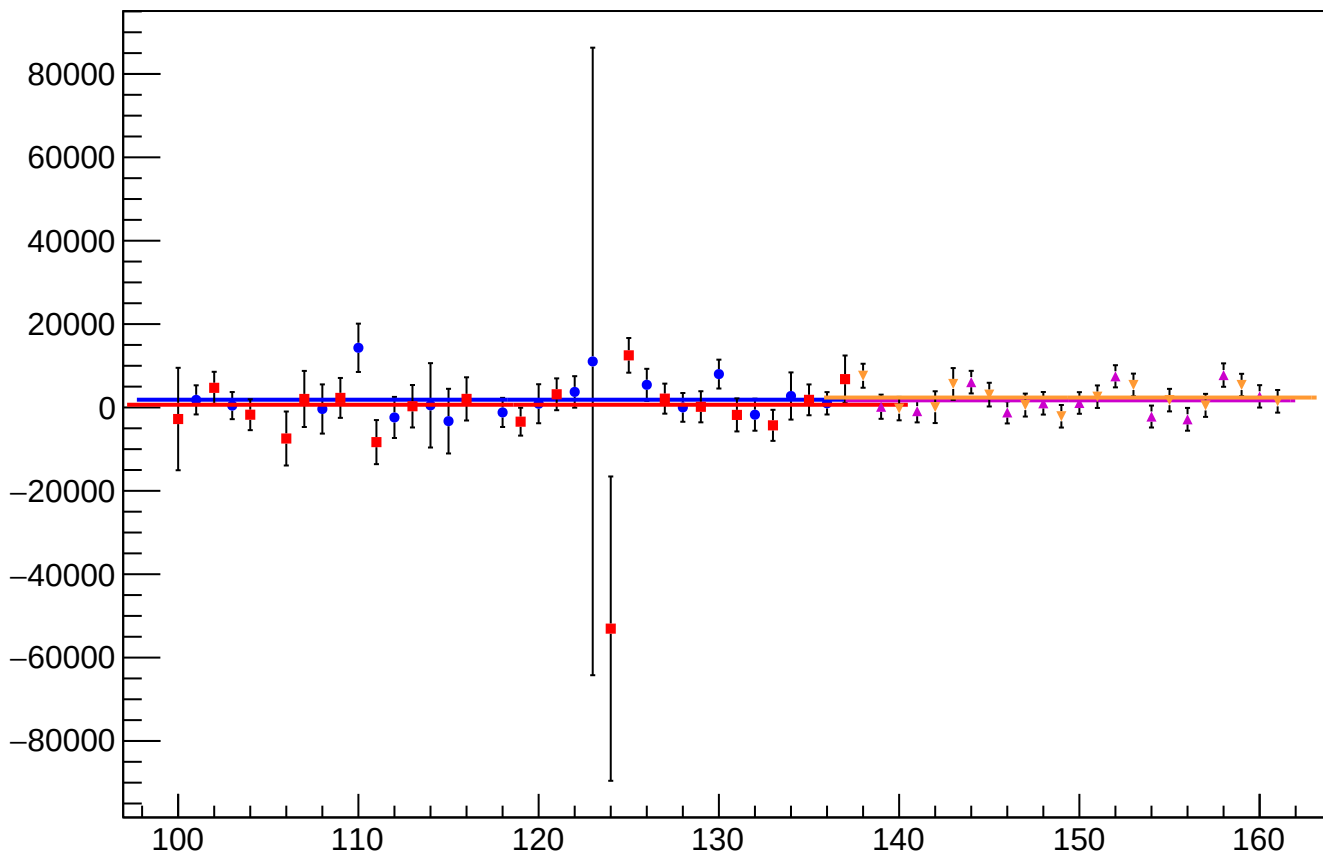
Left In: 971.465+/-0.229 χ^2/NDF : 14601.6/10

988.920+/-0.226 χ^2/NDF : 473790.7/12

980.298+/-0.161 χ^2/NDF : 491329.9/23

971.465+/-0.229 χ^2/NDF : 14601.6/10

reg_asym_atl1_mean vs Slug, Sign Corrected



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

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

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

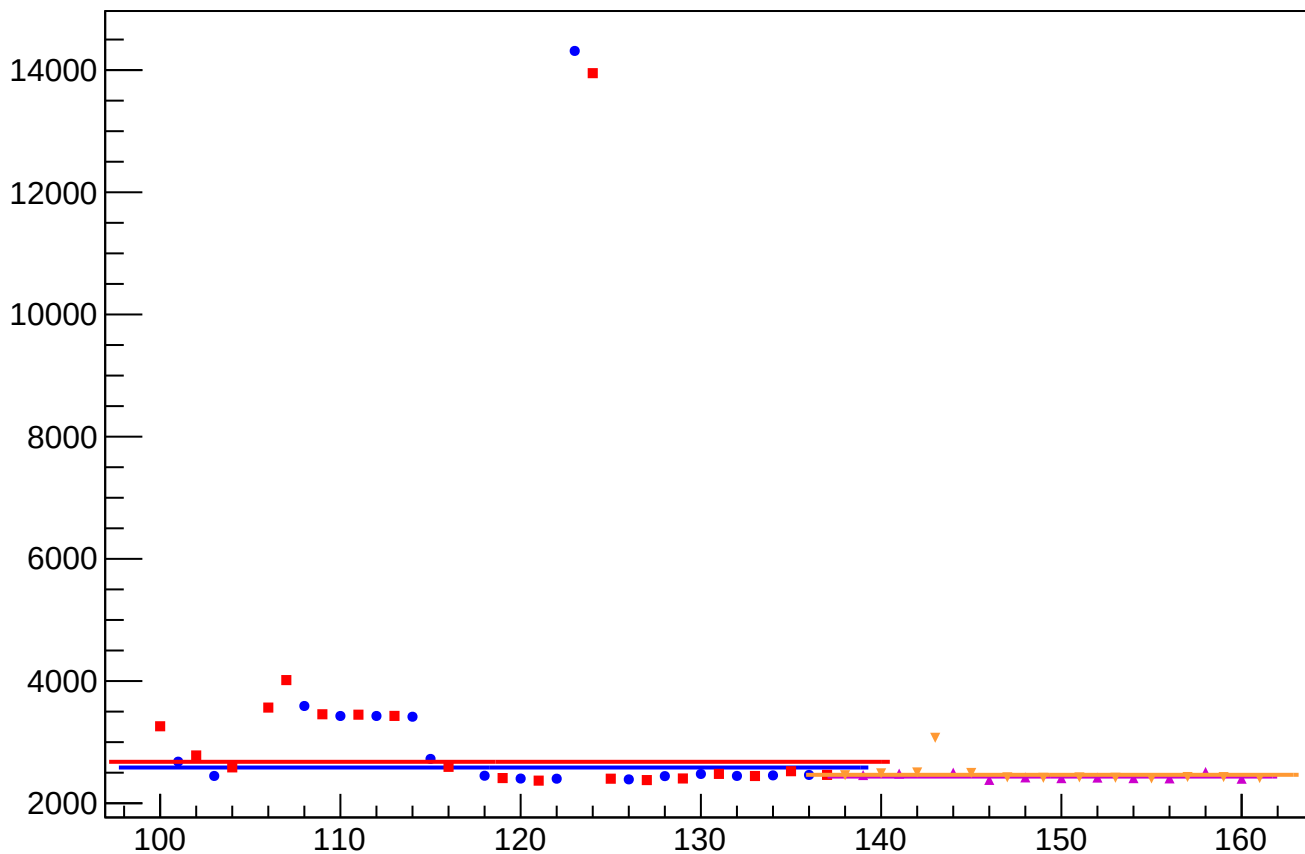
Left In: 1711.472 $\pm$ 815.149 χ^2 /NDF: 19.6/10

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

1750.286 $\pm$ 446.096 χ^2 /NDF: 67.6/59

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

reg_asym_atl1_rms vs Slug, Sign Corrected



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

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

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

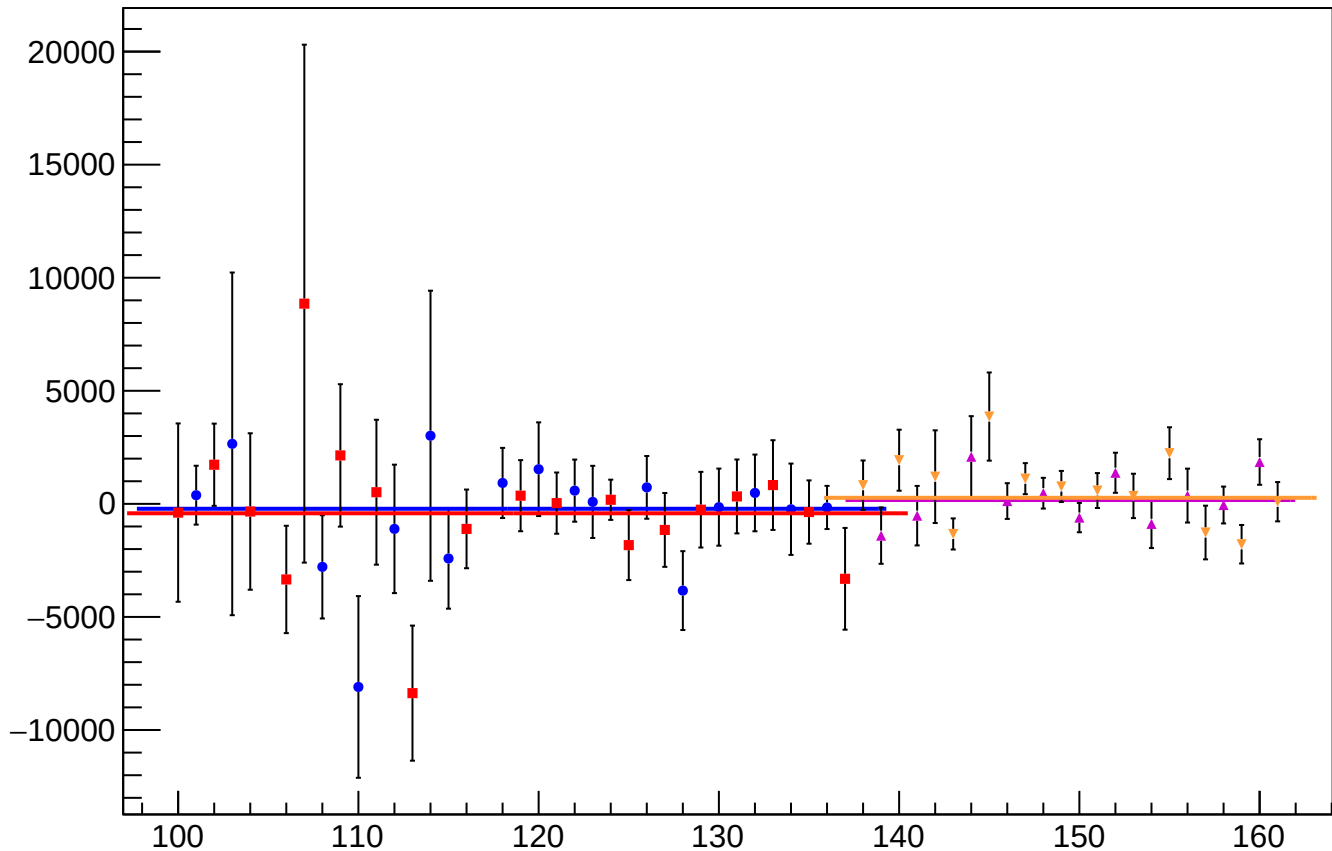
Left In: 2436.378+/-0.576 χ^2/NDF : 5295.4/10

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

2520.295+/-0.315 χ^2/NDF : 935531.8/59

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

asym_atl1_correction_mean vs Slug, Sign Corrected



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

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

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

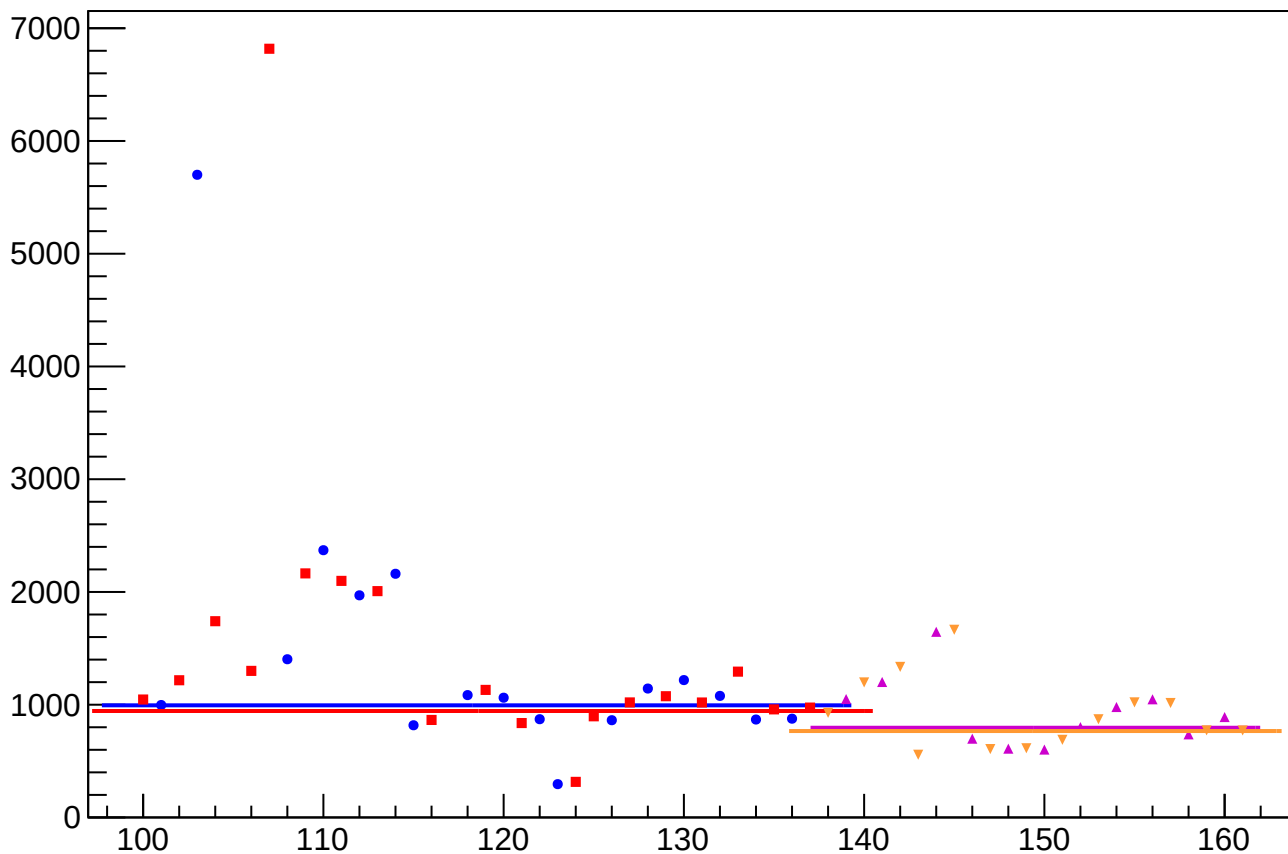
Left In: 169.613 ± 277.214 χ^2/NDF : 10.3/10

135.892 ± 219.248 χ^2/NDF : 37.9/29

63.823 ± 158.522 χ^2/NDF : 65.5/59

-15.121 ± 229.467 χ^2/NDF : 27.4/29

asym_atl1_correction_rms vs Slug, Sign Corrected



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

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

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

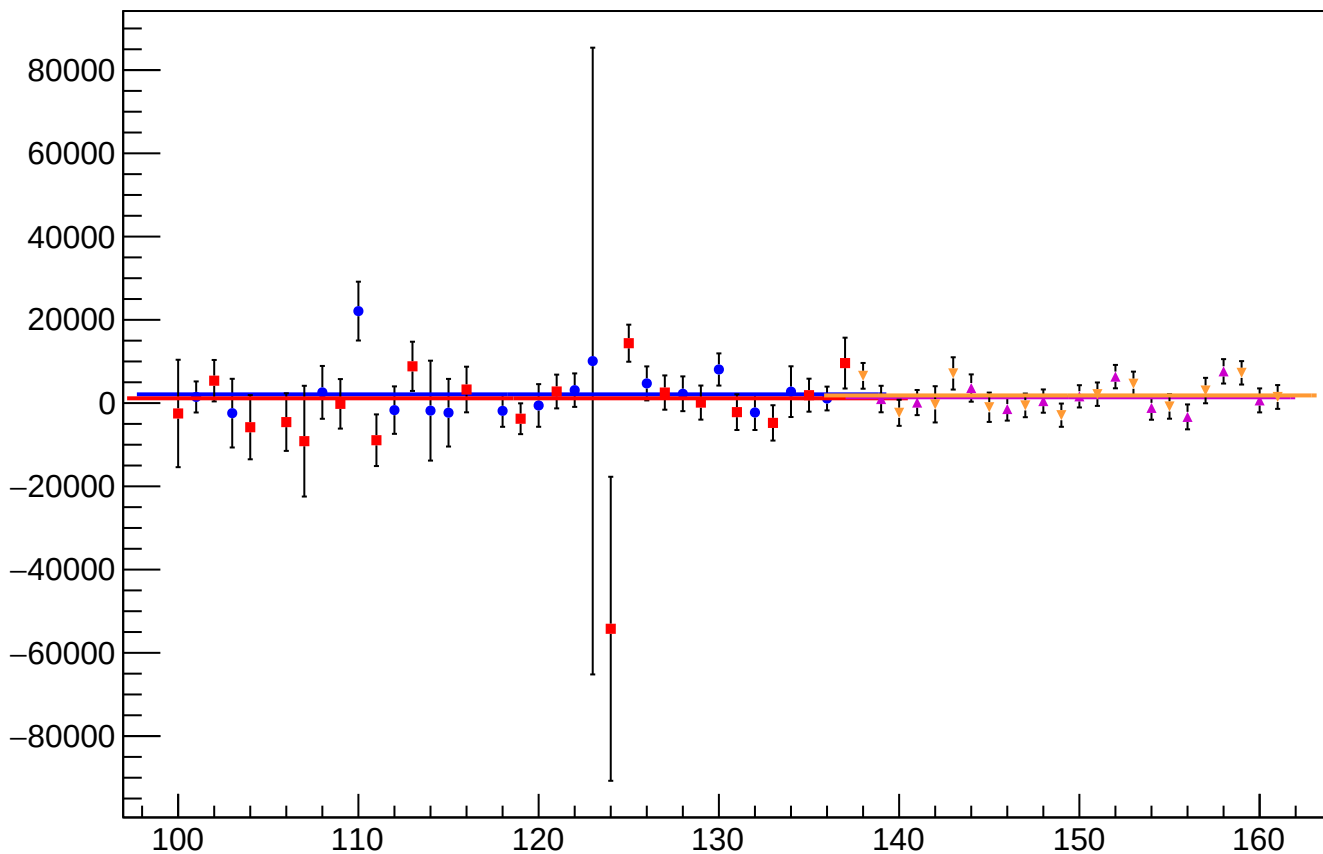
Left In: 795.569 +/- 0.196 χ^2/NDF : 1257344.9/10

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

835.182 +/- 0.112 χ^2/NDF : 7892451.9/59

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

asym_atl1_mean vs Slug, Sign Corrected



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

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

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

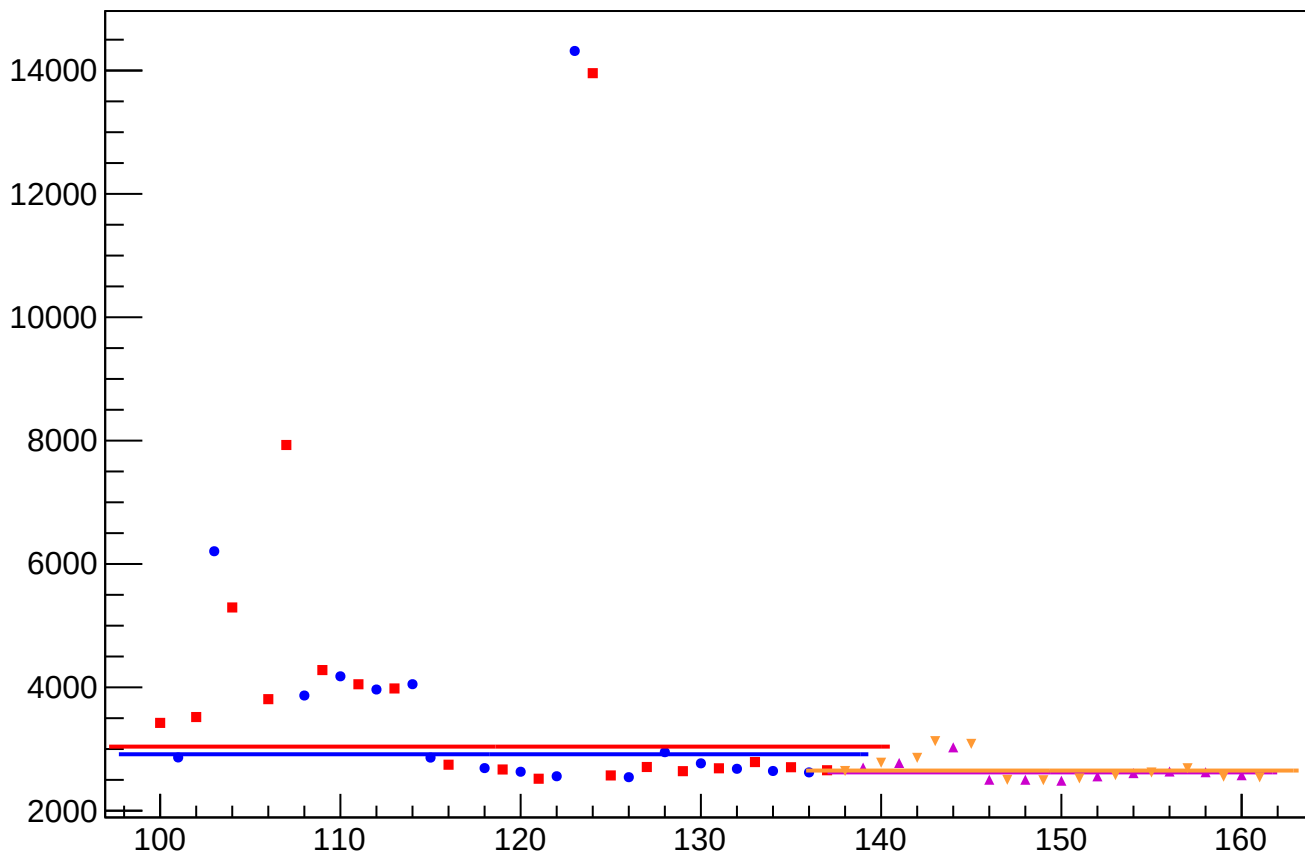
Left In: 1395.471+/-878.205 χ^2 /NDF:12.8/10

1930.281+/-687.311 χ^2 /NDF: 30.7/29

1627.410+/-492.473 χ^2 /NDF: 69.1/59

1307.854+/-705.989 χ^2 /NDF: 38.0/29

asym_atl1_rms vs Slug, Sign Corrected



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

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

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

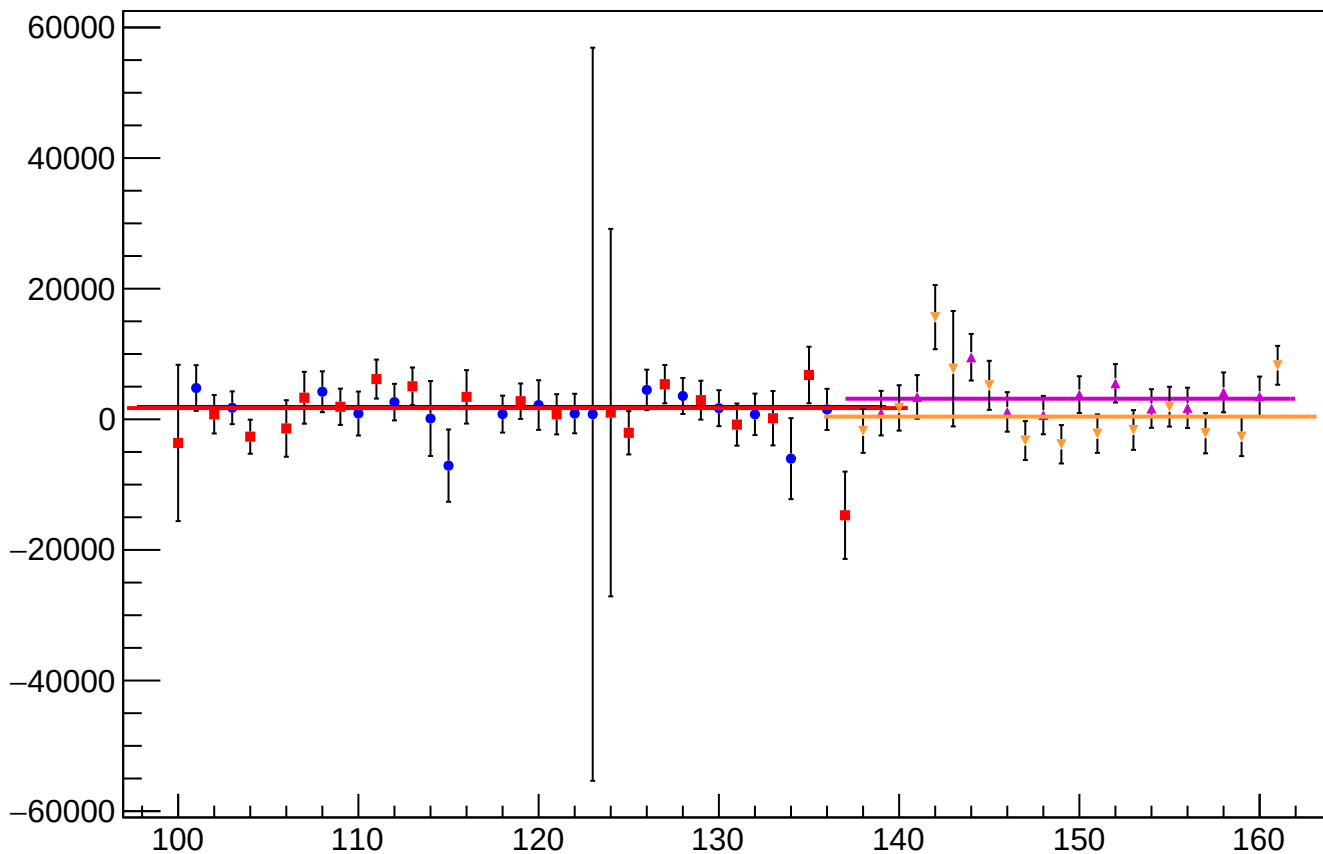
Left In: 2621.266+/-0.621 χ^2/NDF : 50938.9/10

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

2756.079+/-0.348 χ^2/NDF : 2021648.5/59

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

reg_asym_atl2_mean vs Slug, Sign Corrected



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

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

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

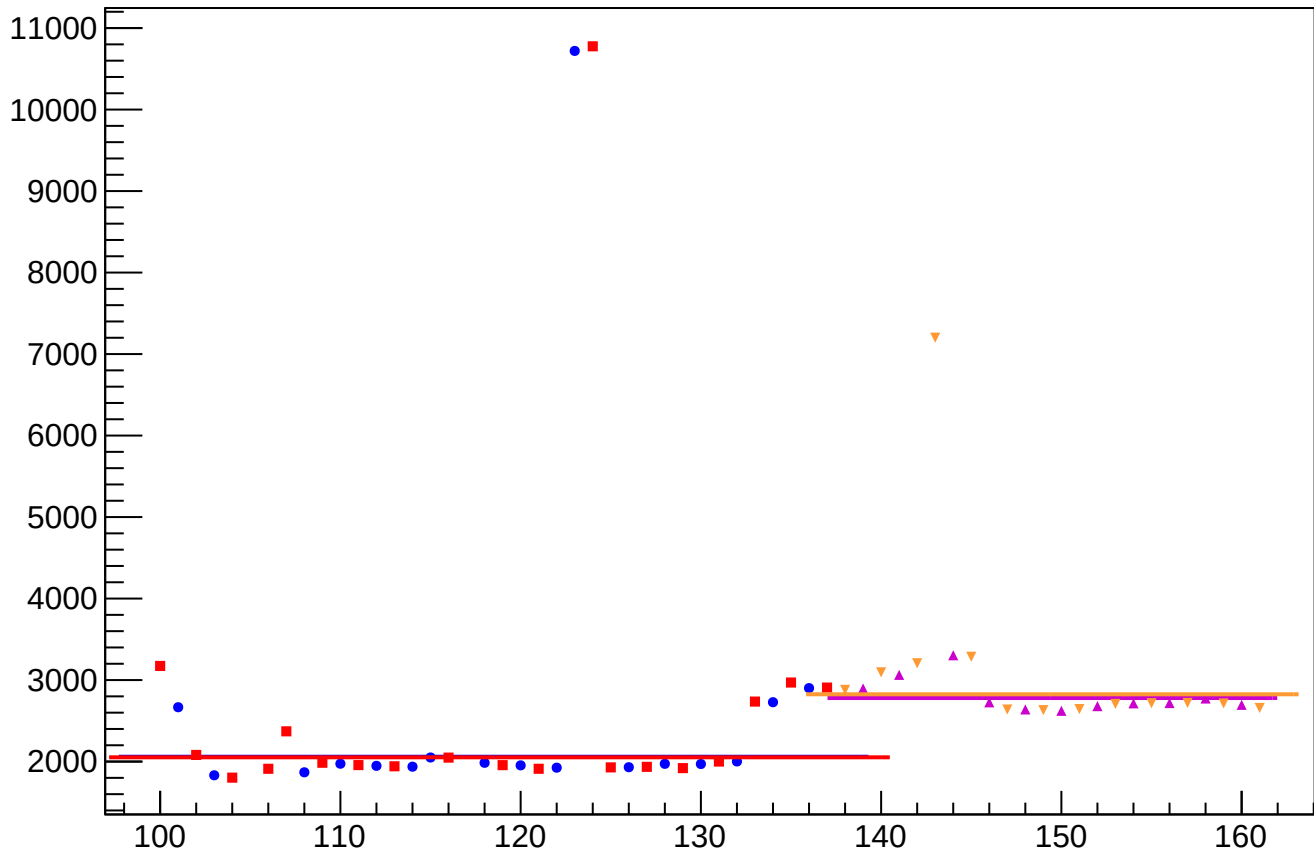
Left In: 3151.504+/-929.738 χ^2 /NDF:6.0/10

1241.484+/-608.094 χ^2 /NDF: 35.0/29

1786.005+/-427.841 χ^2 /NDF: 63.0/59

2319.789+/-602.069 χ^2 /NDF: 26.4/29

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2058.963 ± 0.574 $\chi^2/\text{NDF}: 318561.5/16$

Left Out: 2825.507 ± 0.649 $\chi^2/\text{NDF}: 586105.6/12$

Right Out: 2052.260 ± 0.559 $\chi^2/\text{NDF}: 443321.6/18$

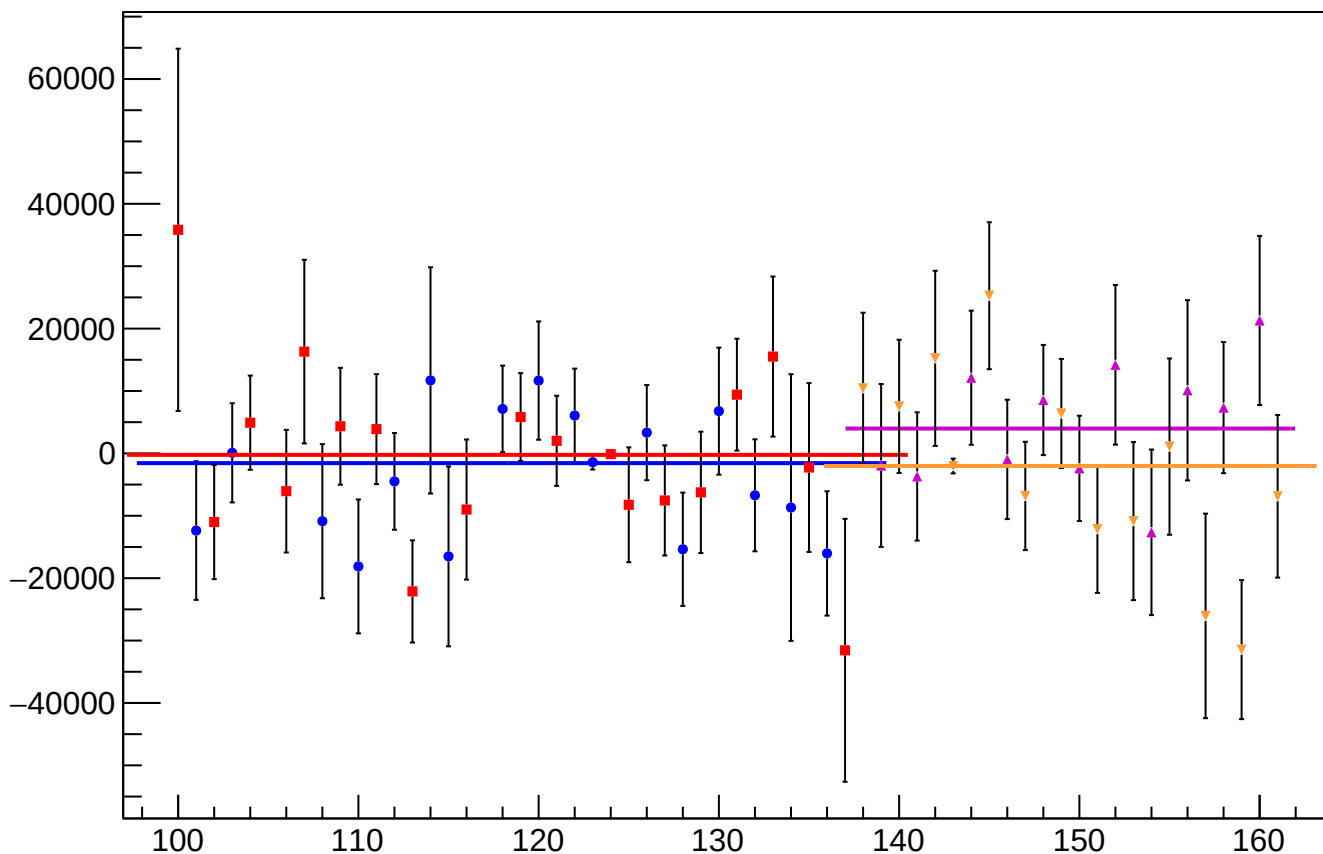
Left In: 2779.569 ± 0.657 $\chi^2/\text{NDF}: 77068.1/10$

2395.005 ± 0.430 $\chi^2/\text{NDF}: 1687118.6/29$

2375.940 ± 0.303 $\chi^2/\text{NDF}: 2922070.0/59$

2357.252 ± 0.426 $\chi^2/\text{NDF}: 1231058.5/29$

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2014.943 $\pm$ 1112.689 χ^2 /NDF: 20.8/12

Right Out: -236.197 $\pm$ 695.167 χ^2 /NDF: 20.8/18

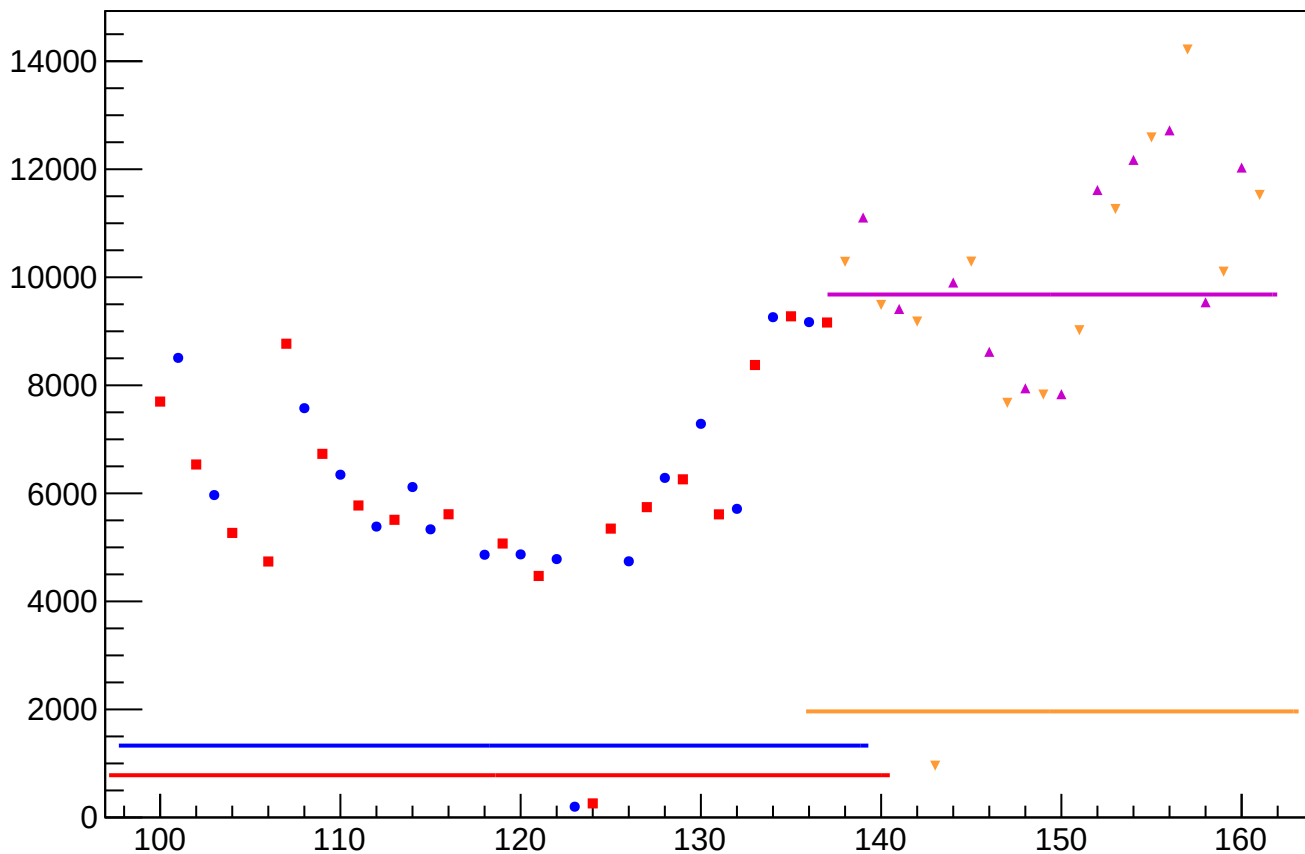
Left In: 3982.657 $\pm$ 3281.551 χ^2 /NDF: 6.6/10

-1776.842 $\pm$ 765.177 χ^2 /NDF: 37.0/29

-814.884 $\pm$ 508.321 χ^2 /NDF: 68.8/59

-55.001 $\pm$ 680.075 χ^2 /NDF: 29.0/29

asym_atl2_correction_rms vs Slug, Sign Corrected



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

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

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

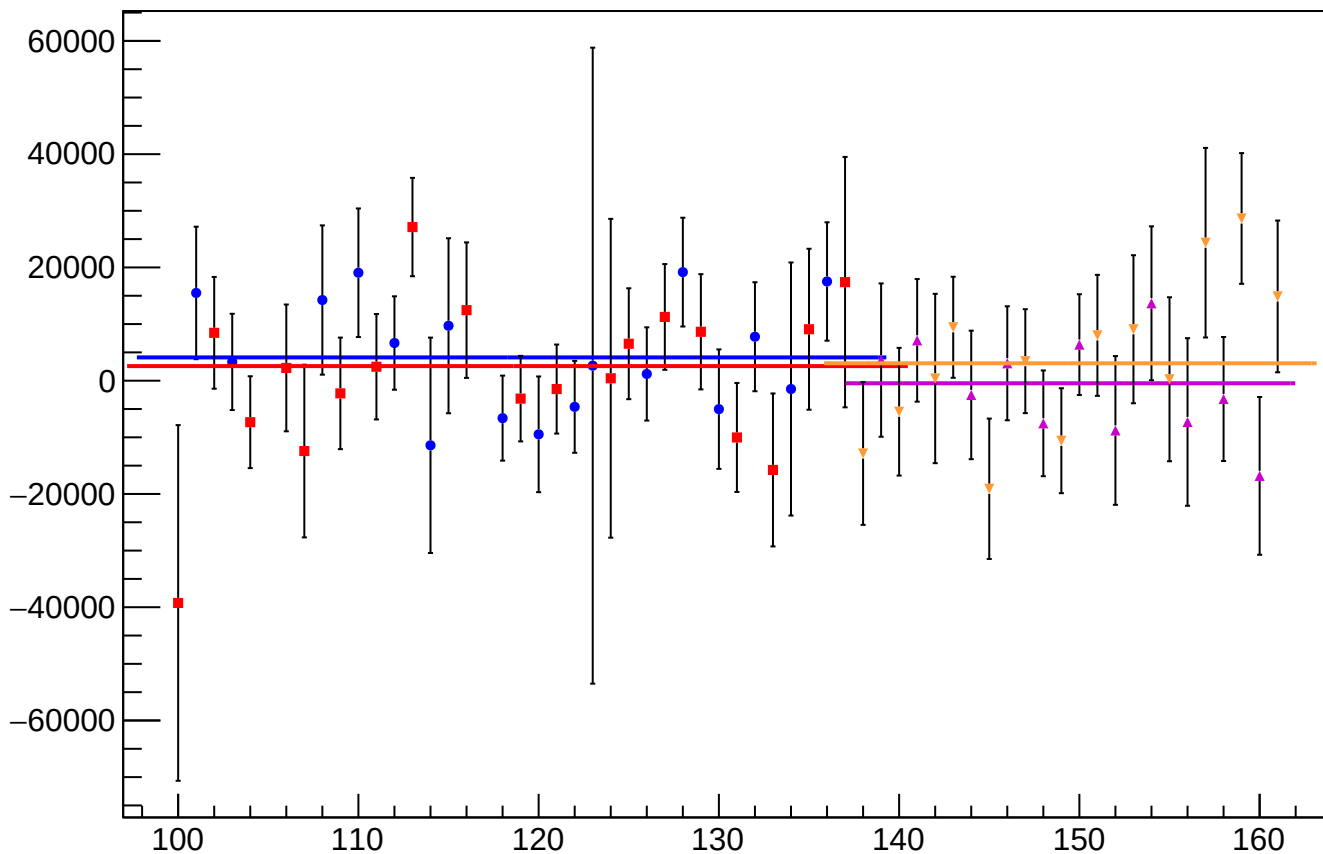
Left In: 9681.290+/-2.320 χ^2/NDF : 489044.2/10

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

1369.523+/-0.359 χ^2/NDF : 49911399.8/5

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

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 3073.643 $\pm$ 3206.549 χ^2 /NDF: 15.9/12

Right Out: 2577.719 $\pm$ 2420.480 χ^2 /NDF: 20.0/18

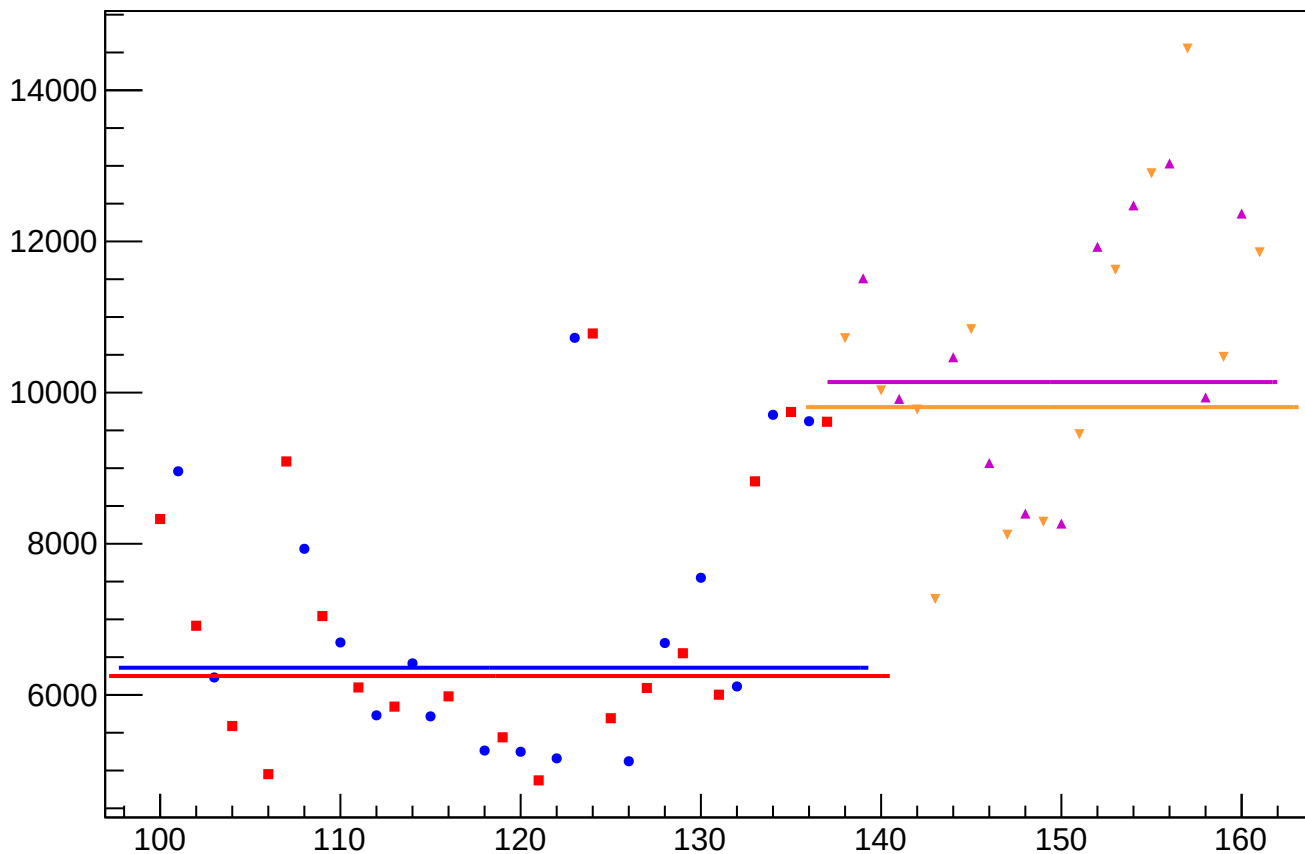
Left In: -451.742 $\pm$ 3430.310 χ^2 /NDF: 5.0/10

3712.607 $\pm$ 1988.349 χ^2 /NDF: 30.2/29

2635.924 $\pm$ 1402.196 χ^2 /NDF: 56.3/59

1570.739 $\pm$ 1977.703 χ^2 /NDF: 25.5/29

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6359.928 $\pm$ 1.792 χ^2 /NDF: 580471.0/16

Left Out: 9808.107 $\pm$ 2.267 χ^2 /NDF: 654396.5/12

Right Out: 6250.049 $\pm$ 1.711 χ^2 /NDF: 532966.2/18

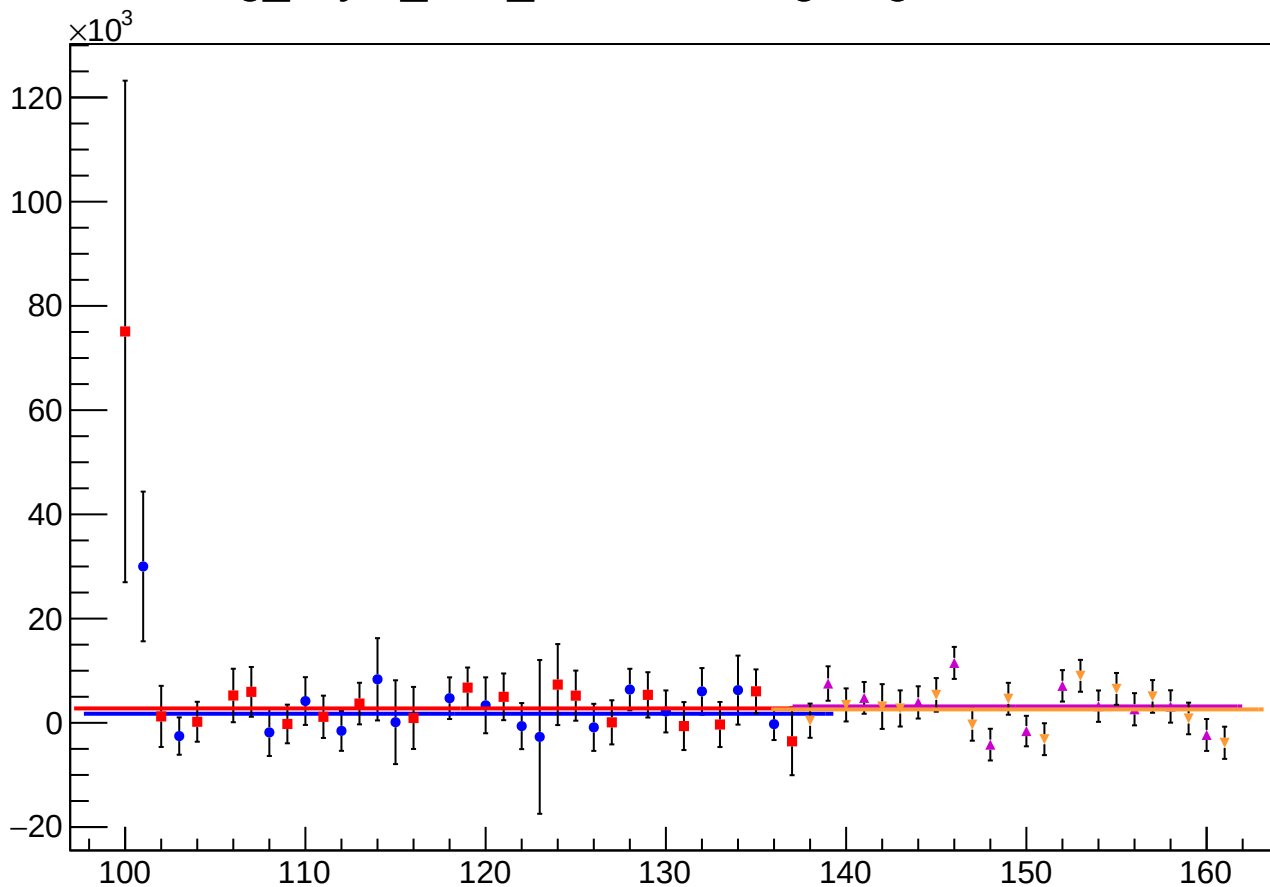
Left In: 10139.767 $\pm$ 2.426 χ^2 /NDF: 428264.2/10

7685.785 $\pm$ 1.406 χ^2 /NDF: 2658360.2/29

7613.955 $\pm$ 0.991 χ^2 /NDF: 5341631.0/59

7542.895 $\pm$ 1.398 χ^2 /NDF: 2678078.6/29

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2577.990 $\pm$ 886.103 χ^2 /NDF: 17.5/12

Right Out: 2763.863 $\pm$ 1071.947 χ^2 /NDF: 9.7/18

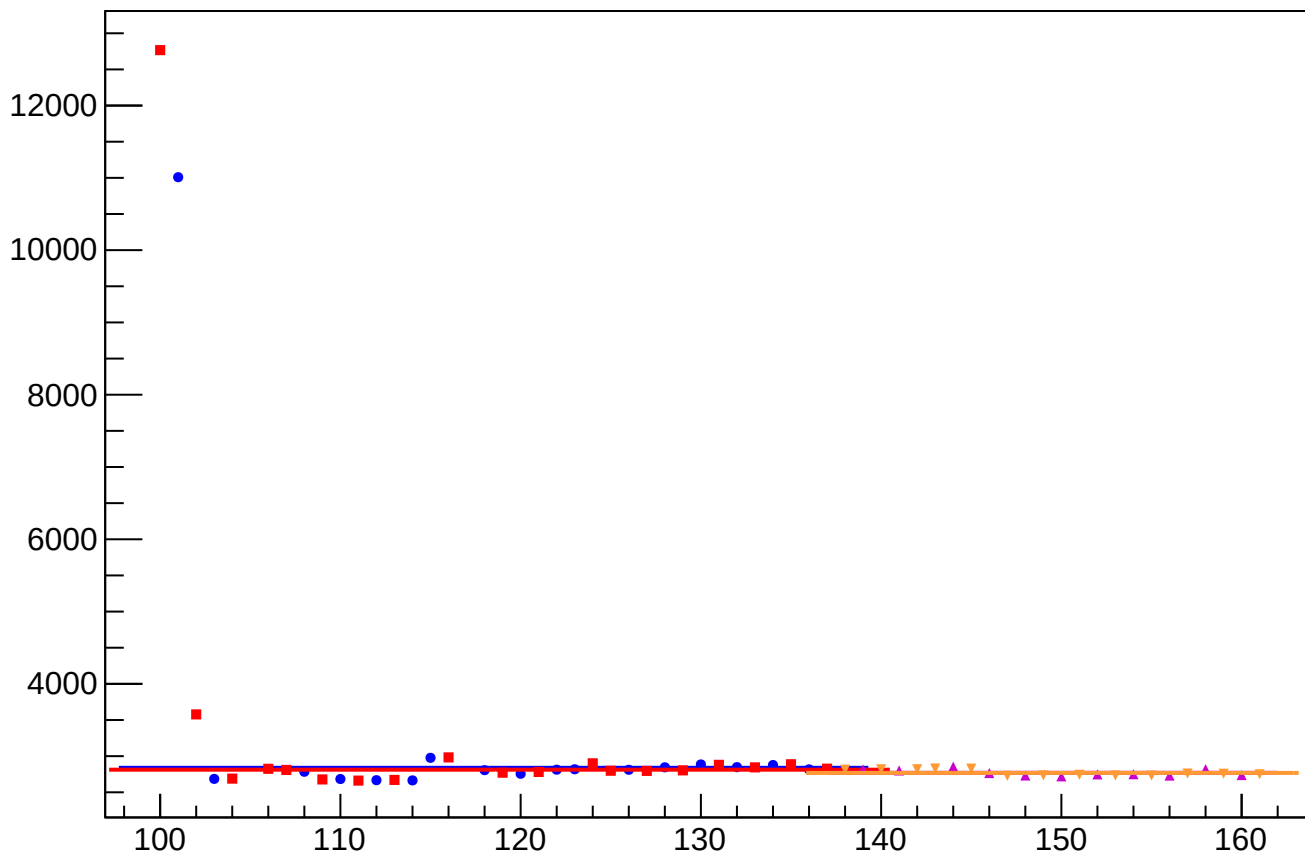
Left In: 3146.373 $\pm$ 924.600 χ^2 /NDF: 22.9/10

2260.679 $\pm$ 696.937 χ^2 /NDF: 30.0/29

2620.282 $\pm$ 493.936 χ^2 /NDF: 63.2/59

2983.194 $\pm$ 700.137 χ^2 /NDF: 32.6/29

reg_asym_atr1_rms vs Slug, Sign Corrected



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

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

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

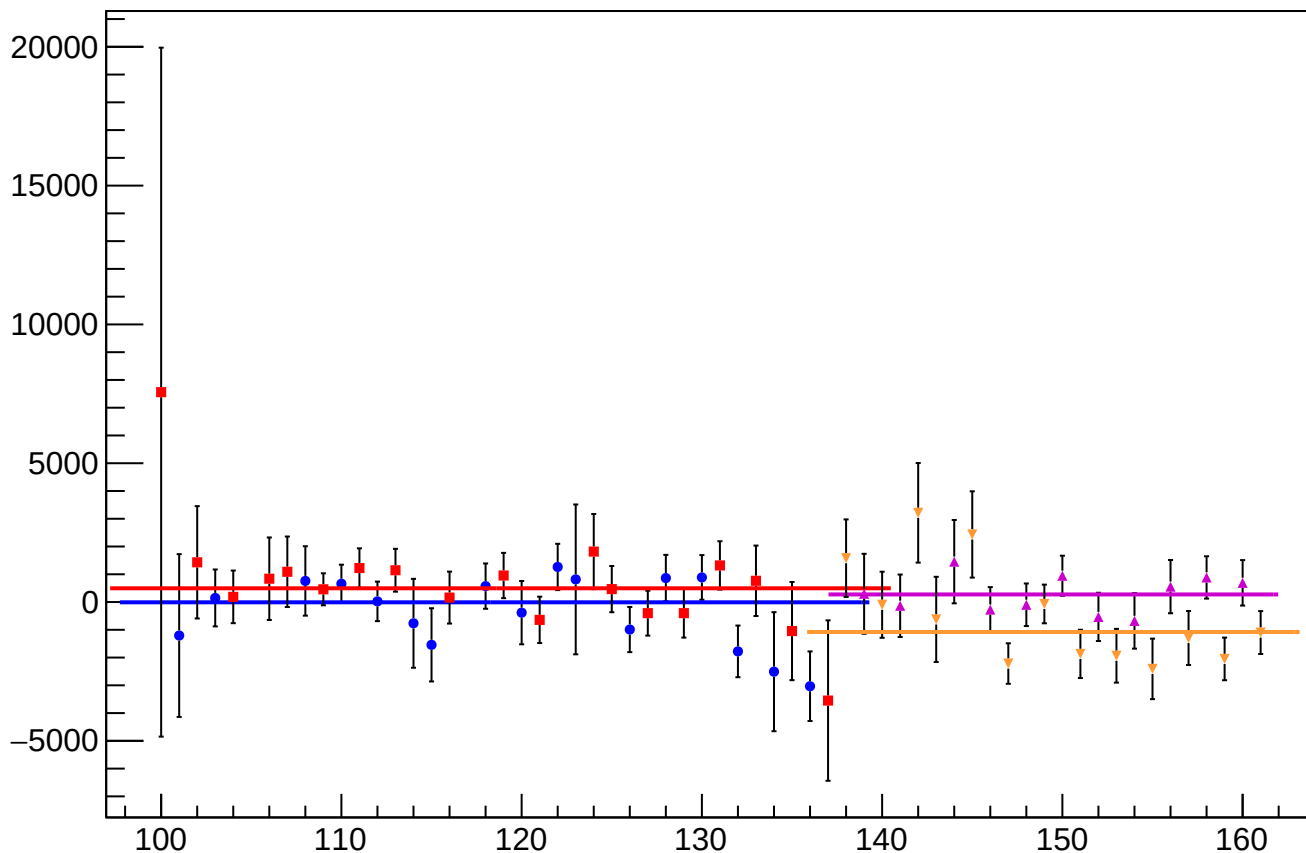
Left In: 2769.486+/-0.654 χ^2/NDF : 4191.9/10

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

2791.518+/-0.349 χ^2/NDF : 808124.2/59

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

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -1079.084 ± 267.605 χ^2/NDF : 24.5/12

Right Out: 495.250 ± 221.487 χ^2/NDF : 11.9/18

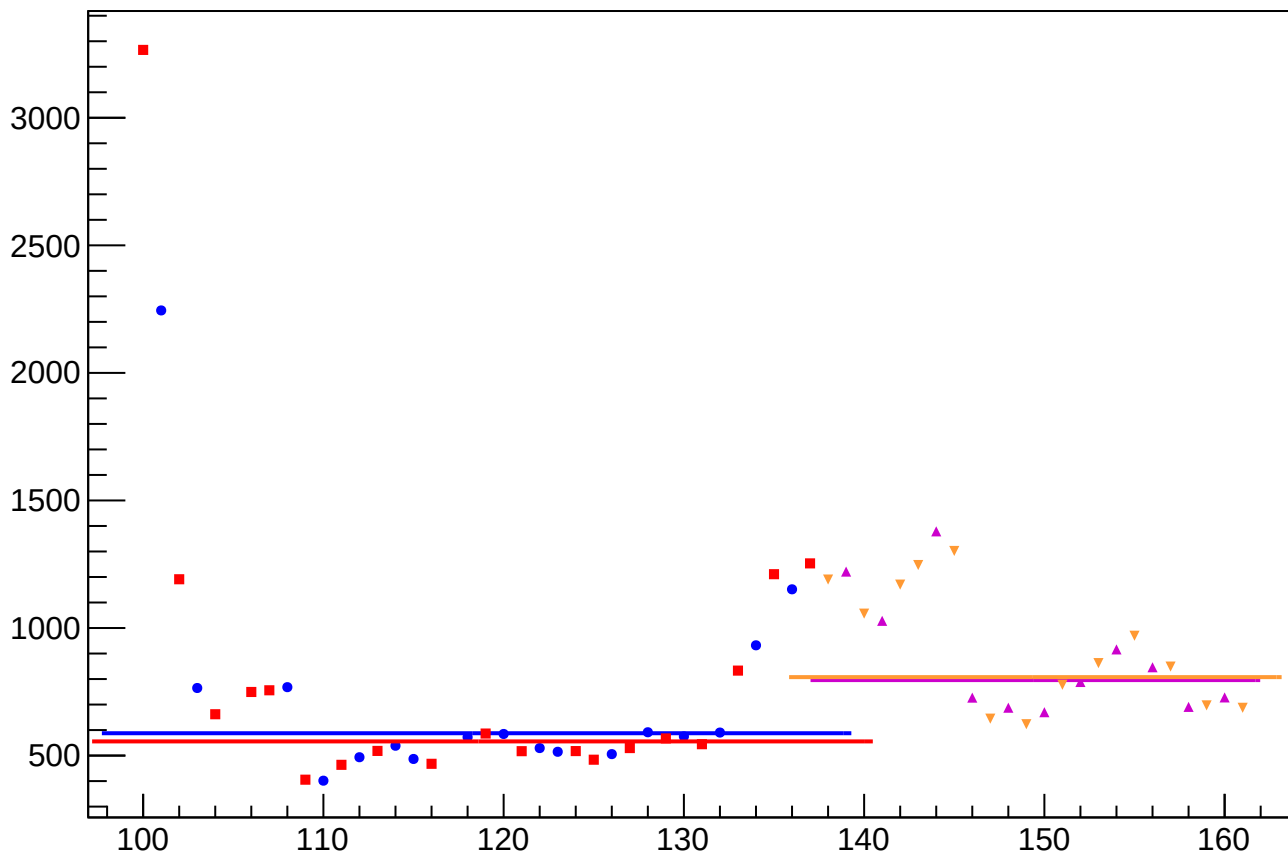
Left In: 273.478 ± 272.271 χ^2/NDF : 5.1/10

-490.172 ± 179.360 χ^2/NDF : 54.0/29

-22.357 ± 124.074 χ^2/NDF : 84.4/59

406.935 ± 171.817 χ^2/NDF : 17.3/29

asym_atr1_correction_rms vs Slug, Sign Corrected



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

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

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

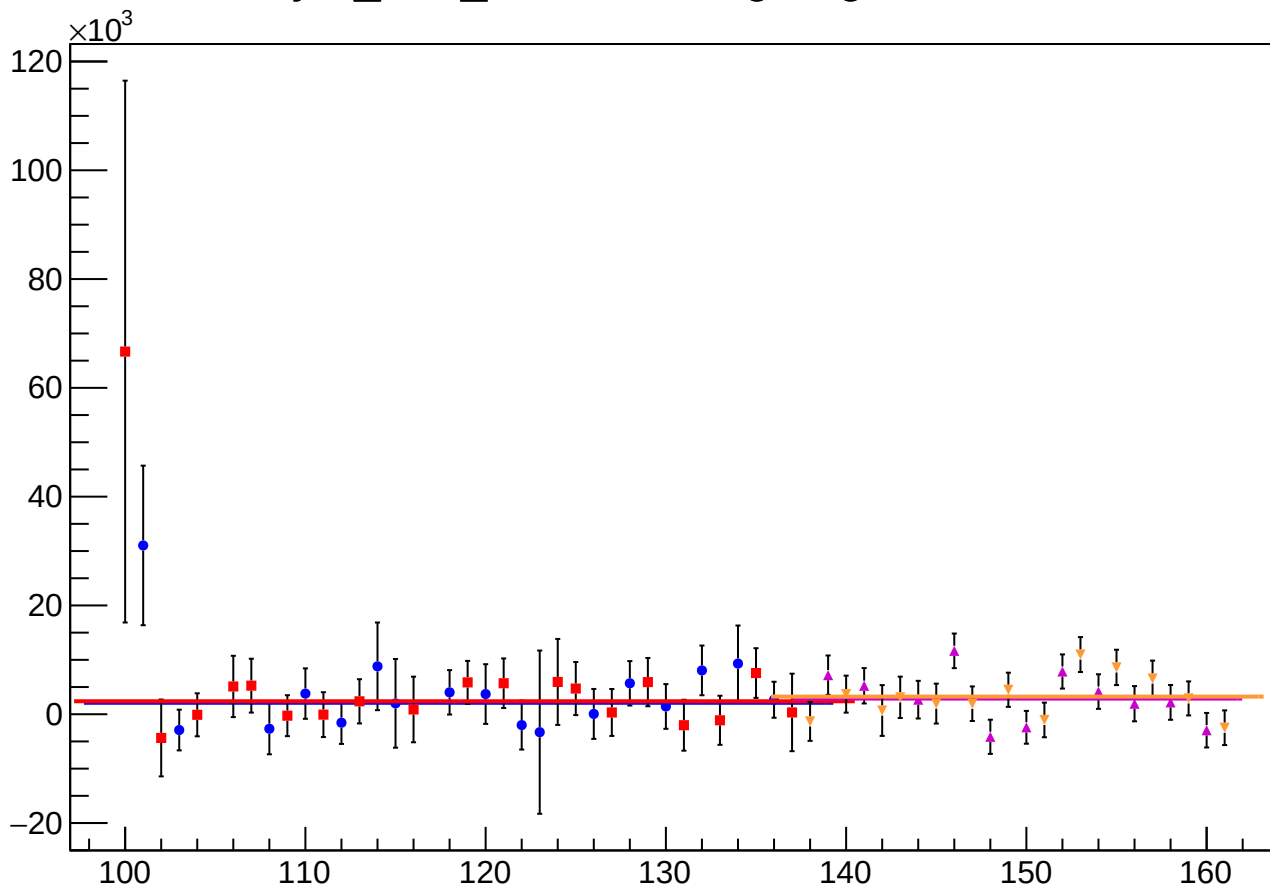
Left In: 795.912+/-0.193 χ^2/NDF :762852.8/10

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

668.067+/-0.088 χ^2/NDF : 6089537.8/59

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

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3241.365+/-937.720 χ^2/NDF : 17.0/12

Right Out: 2385.851+/-1110.248 χ^2/NDF : 9.9/18

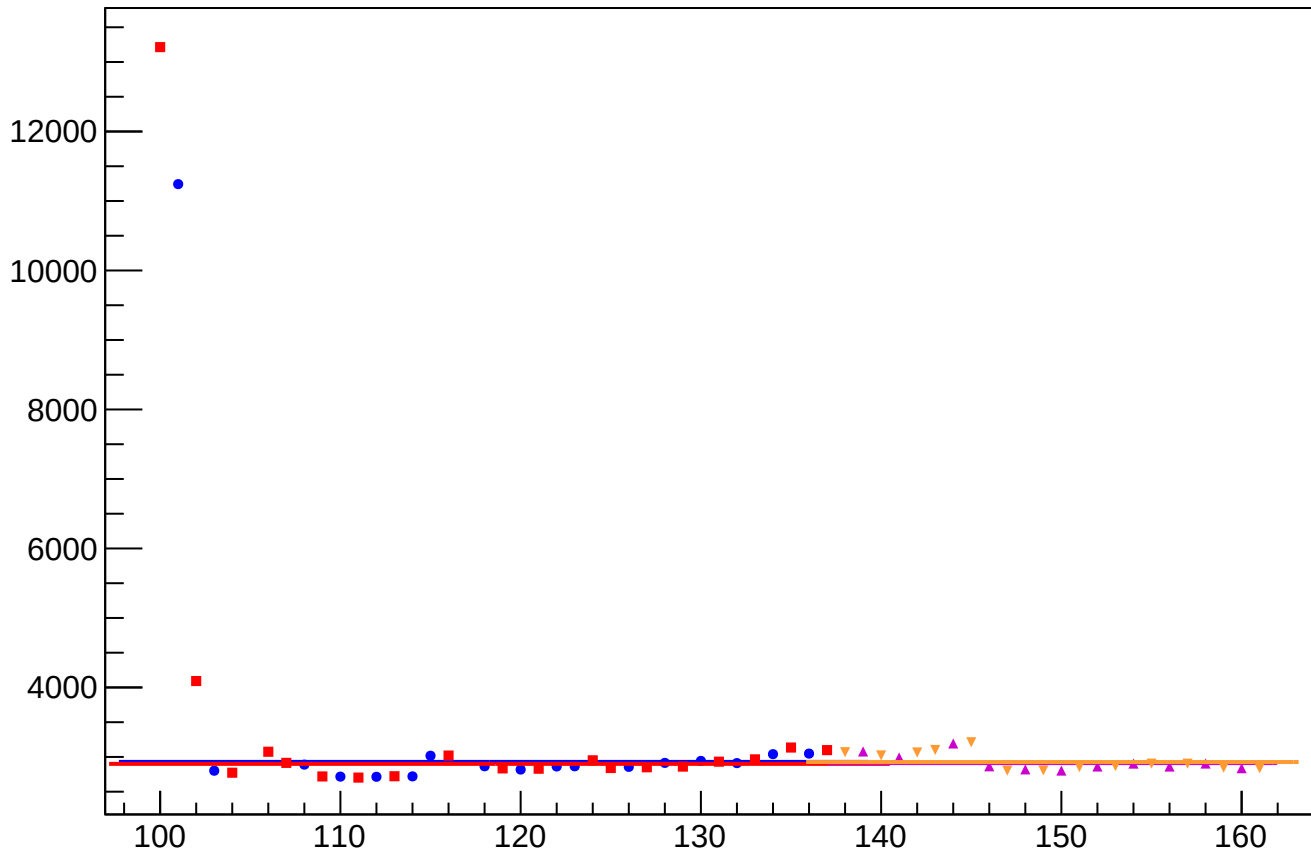
Left In: 2882.168+/-972.684 χ^2/NDF : 23.8/10

2795.660+/-730.320 χ^2/NDF : 31.0/29

2731.268+/-516.874 χ^2/NDF : 64.8/59

2666.646+/-731.622 χ^2/NDF : 33.8/29

asym_atr1_rms vs Slug, Sign Corrected



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

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

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

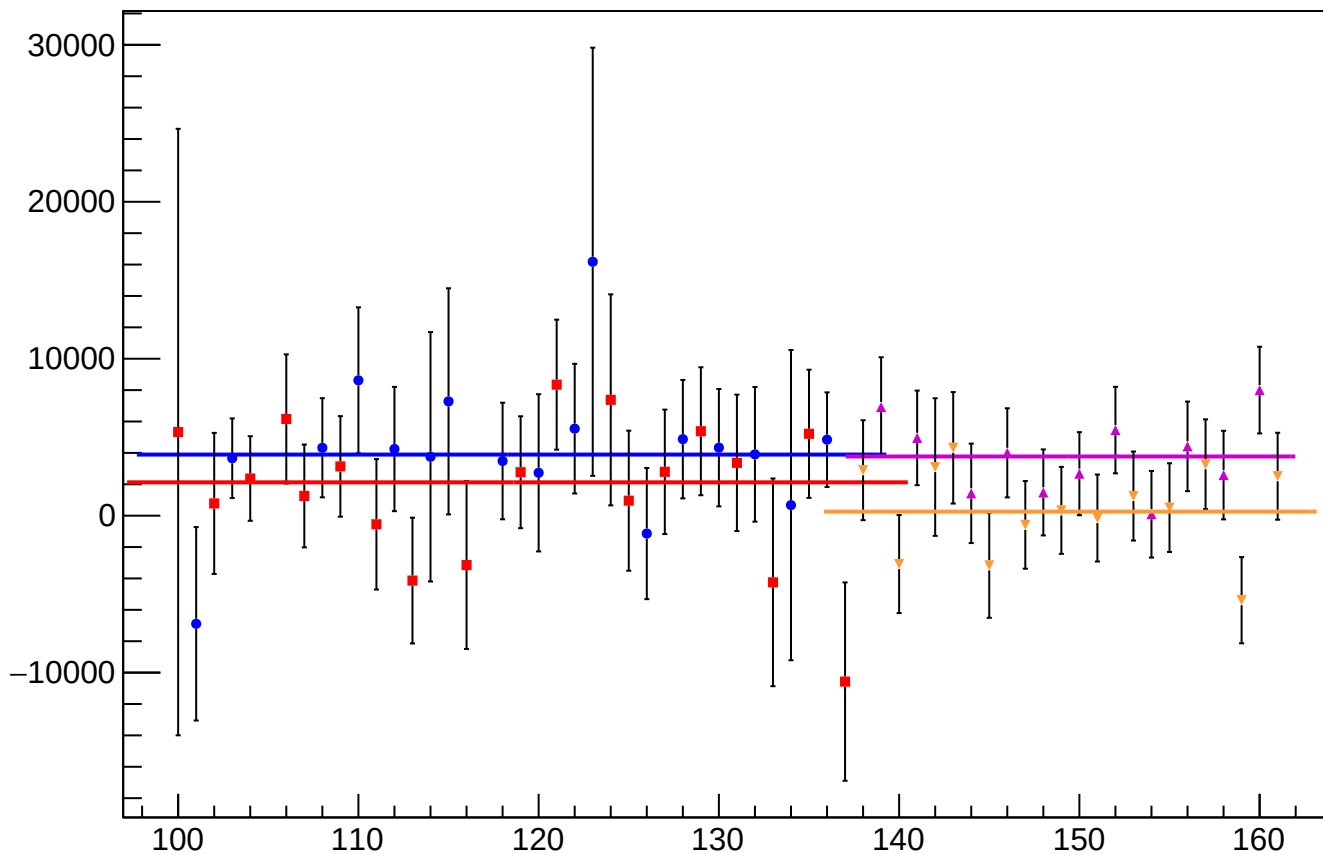
Left In: 2911.763+/-0.688 χ^2/NDF : 25514.1/10

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

2917.205+/-0.365 χ^2/NDF : 891981.4/59

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

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 258.787 $\pm$ 831.765 χ^2 /NDF:10.9/12

Right Out: 2124.700 $\pm$ 958.418 χ^2 /NDF: 14.3/18

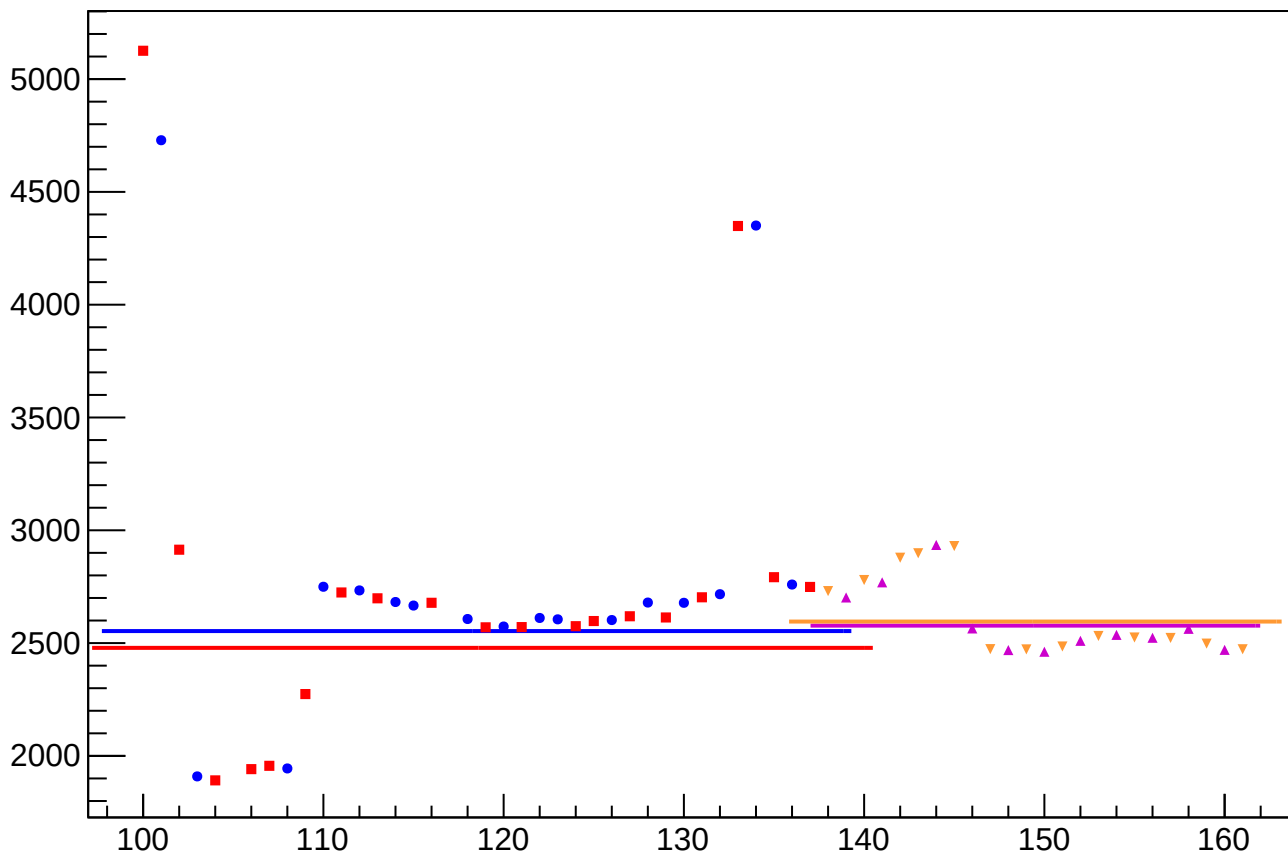
Left In: 3771.228 $\pm$ 860.259 χ^2 /NDF:7.3/10

1724.284 $\pm$ 642.505 χ^2 /NDF: 25.7/29

2382.793 $\pm$ 453.501 χ^2 /NDF: 51.0/59

3036.574 $\pm$ 640.195 χ^2 /NDF: 23.3/29

reg_asym_atr2_rms vs Slug, Sign Corrected



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

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

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

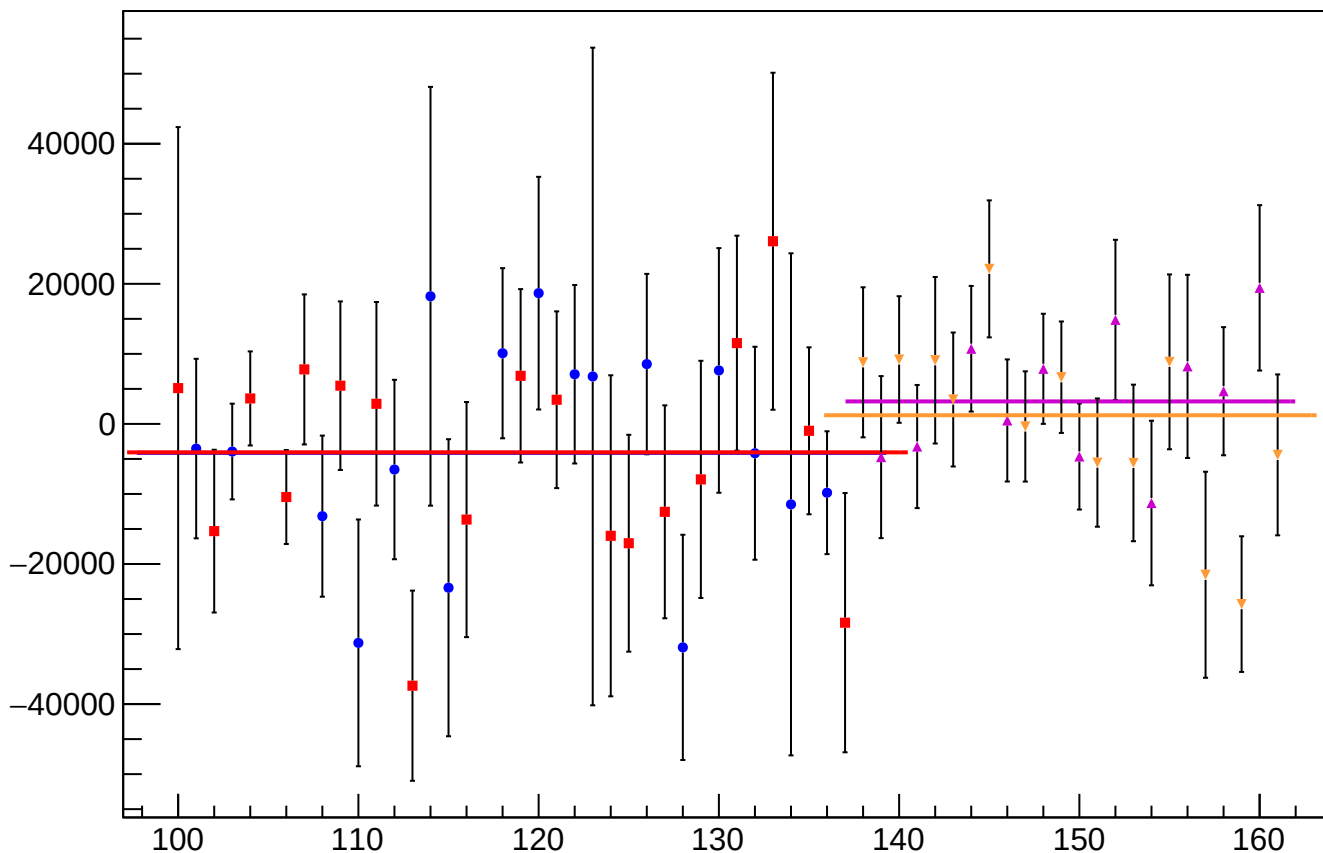
Left In: 2577.442 +/- 0.608 χ^2/NDF : 49098.2/10

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

2555.880 +/- 0.321 χ^2/NDF : 1136977.3/59

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

asym_atr2_correction_mean vs Slug, Sign Corrected



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

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

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

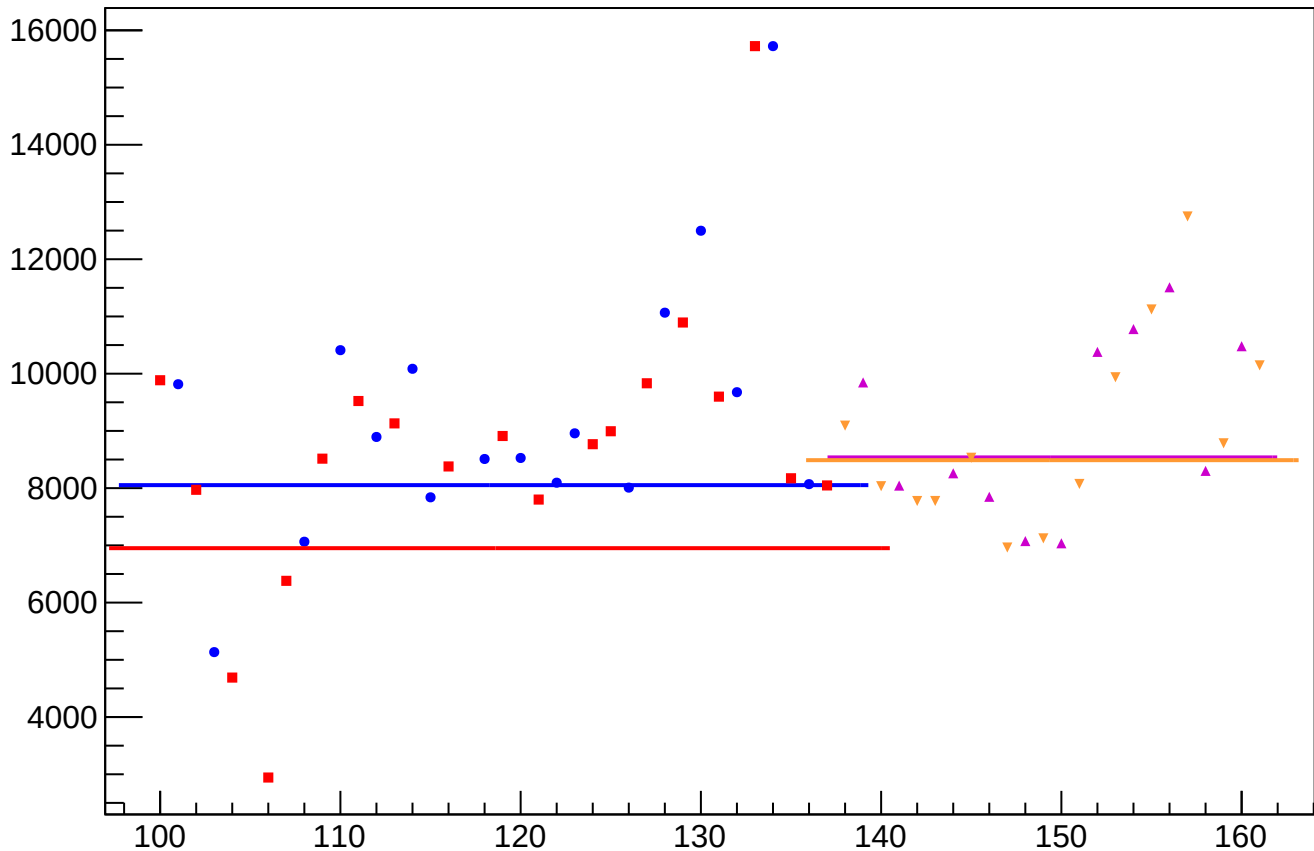
Left In: 3213.812+/-2893.029 χ^2/NDF : 7.9/10

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

-756.721+/-1457.775 χ^2/NDF : 63.1/59

-497.807+/-2024.607 χ^2/NDF : 29.6/29

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8488.713 $\pm$ 1.957 χ^2 /NDF: 501853.3/12

Right Out: 6950.943 $\pm$ 2.004 χ^2 /NDF: 1776578.9/18

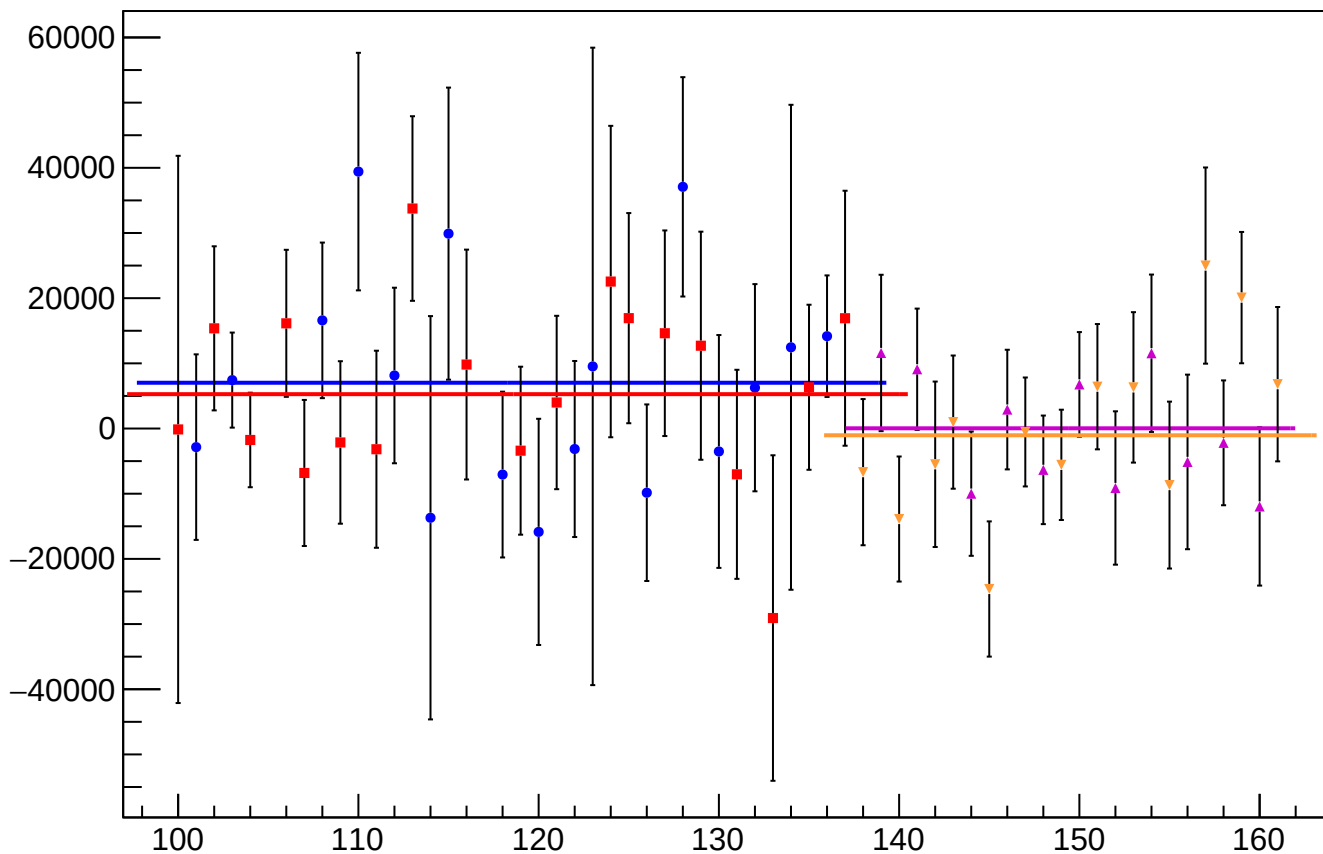
Left In: 8536.920 $\pm$ 2.046 χ^2 /NDF: 477771.9/10

8303.884 $\pm$ 1.485 χ^2 /NDF: 1313630.6/29

8005.155 $\pm$ 1.031 χ^2 /NDF: 3952682.0/59

7727.678 $\pm$ 1.432 χ^2 /NDF: 2561040.7/29

asym_atr2_mean vs Slug, Sign Corrected



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

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

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

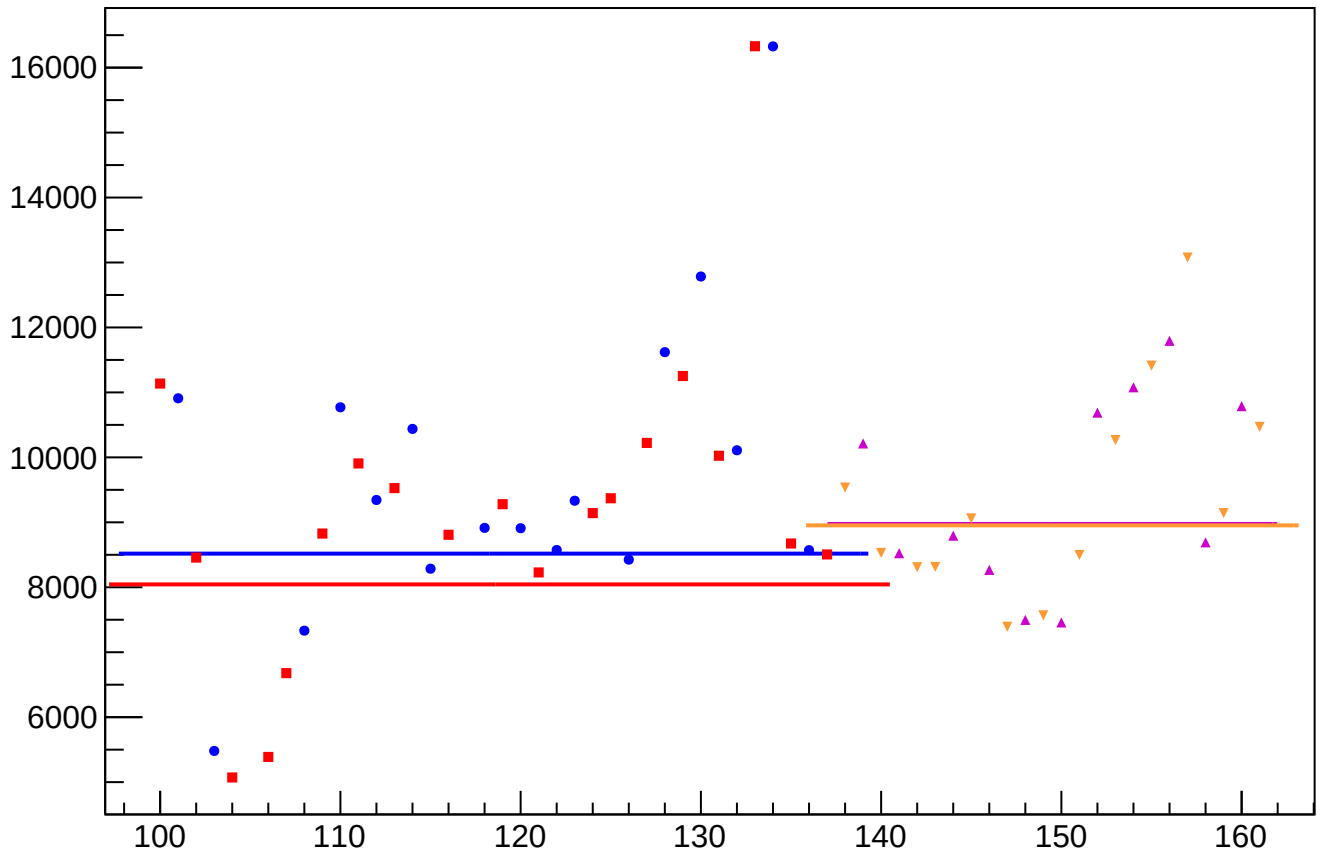
Left In: 33.345+/-3034.062 χ^2/NDF : 7.1/10

2363.350+/-2213.822 χ^2/NDF : 35.1/29

2452.242+/-1557.382 χ^2/NDF : 57.0/59

2539.333+/-2191.291 χ^2/NDF : 21.8/29

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8517.886 $\pm$ 2.411 χ^2/NDF : 763281.4/16

Left Out: 8953.066 $\pm$ 2.058 χ^2/NDF : 433621.7/12

Right Out: 8043.998 $\pm$ 2.240 χ^2/NDF : 952125.8/18

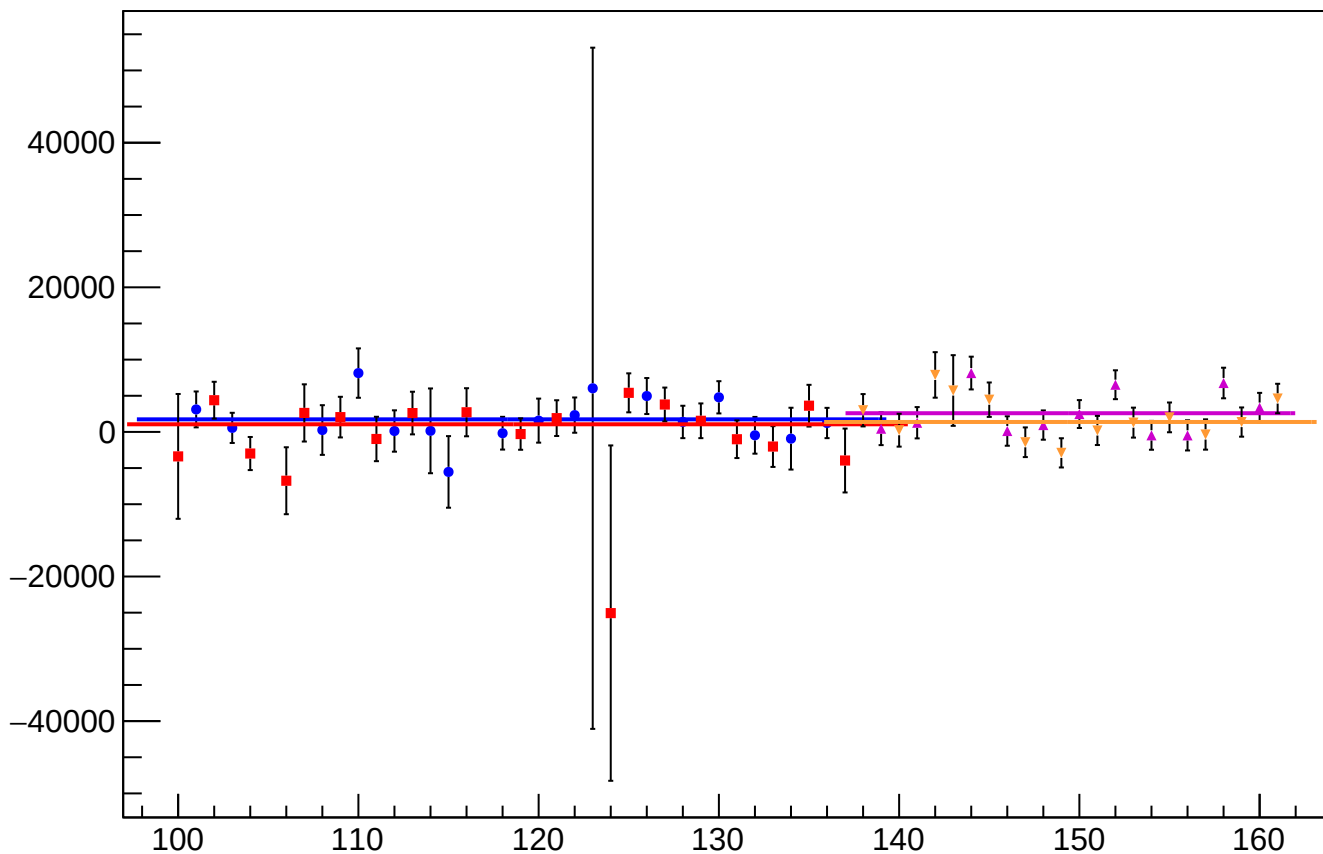
Left In: 8974.639 $\pm$ 2.145 χ^2/NDF : 410927.5/10

8769.592 $\pm$ 1.565 χ^2/NDF : 1215748.8/29

8648.275 $\pm$ 1.101 χ^2/NDF : 2680712.1/59

8529.419 $\pm$ 1.549 χ^2/NDF : 1453073.1/29

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

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

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

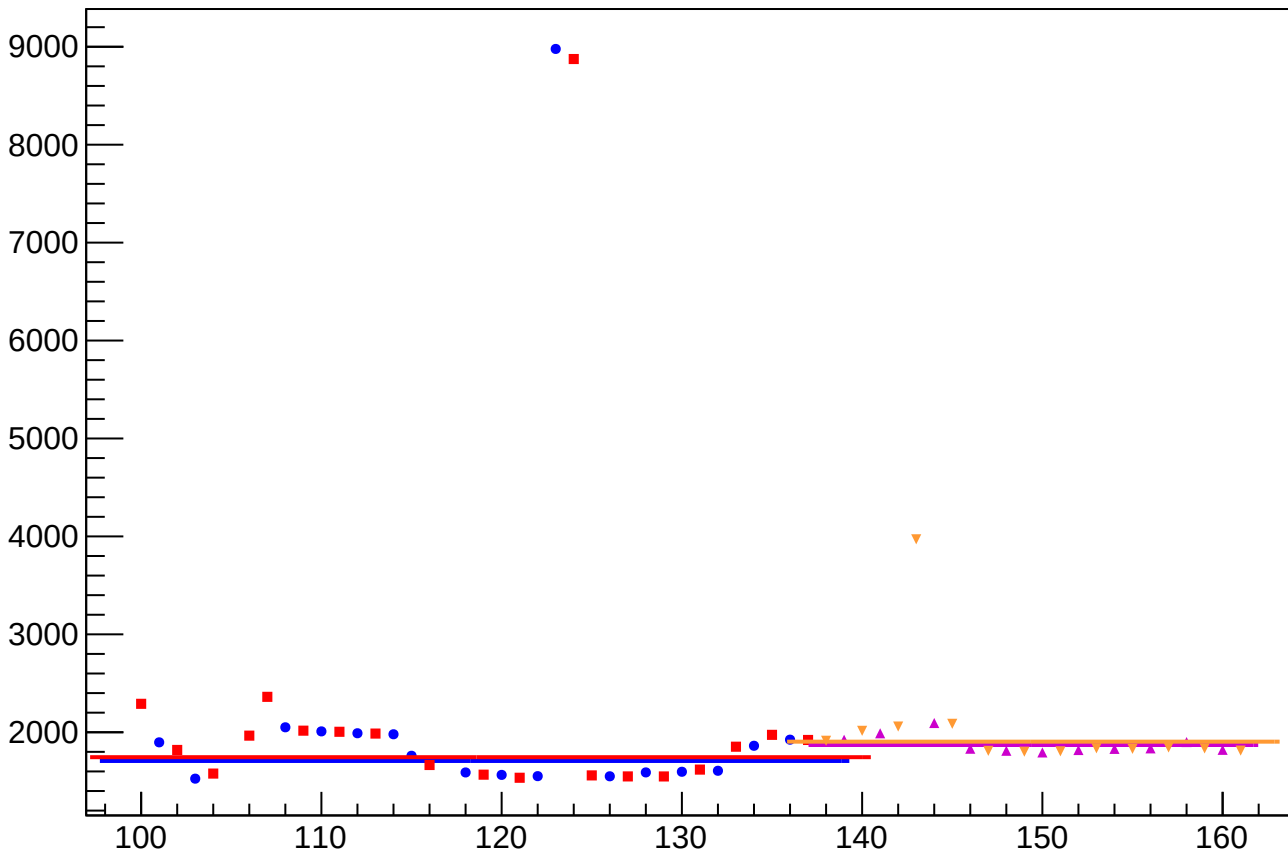
Left In: 2586.707+/-626.238 χ^2/NDF : 21.8/10

1542.334+/-454.148 χ^2/NDF : 30.1/29

1706.781+/-322.421 χ^2/NDF : 73.8/59

1873.898+/-457.819 χ^2/NDF : 43.5/29

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1904.028 ± 0.437 $\chi^2/\text{NDF}: 405634.5/12$

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

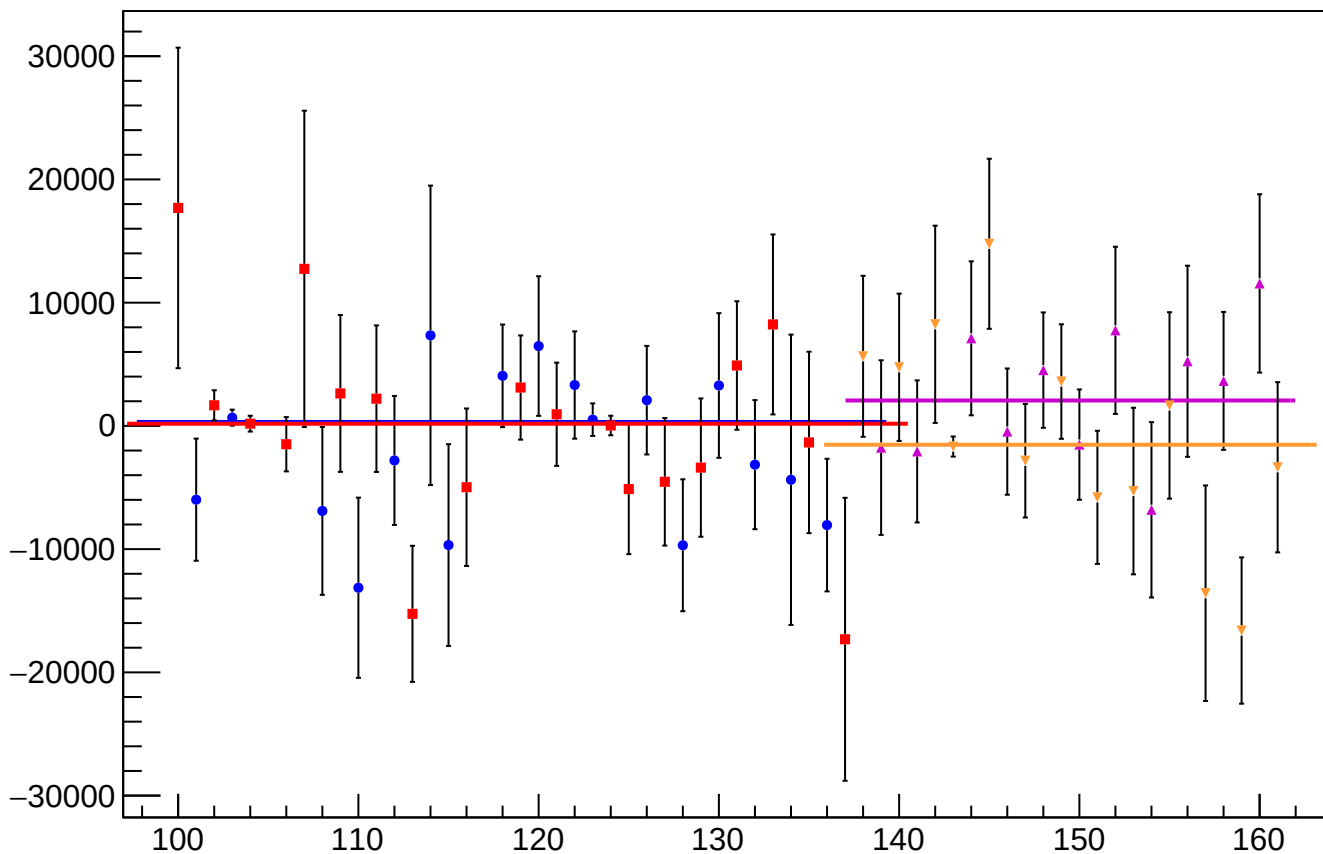
Left In: 1869.971+/-0.443 χ^2/NDF :36541.1/10

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

1812.637 $\pm$ 0.228 χ^2 /NDF: 1170157.0/59

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

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 320.899 $\pm$ 540.384 χ^2 /NDF: 18.0/16

Left Out: -1529.793 $\pm$ 740.393 χ^2 /NDF:20.3/12

Right Out: 176.640 $\pm$ 433.552 χ^2 /NDF: 20.8/18

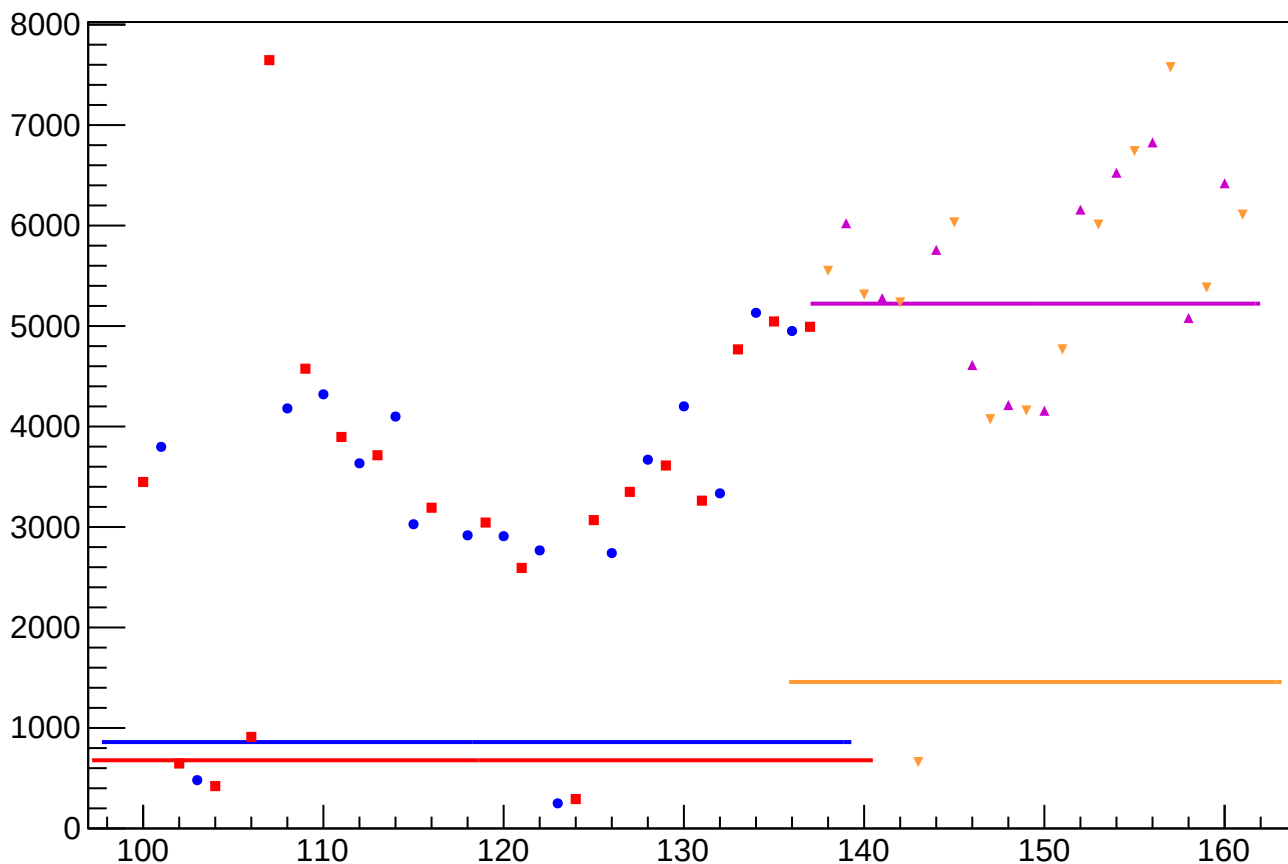
Left In: 2062.067 $\pm$ 1772.352 χ^2 /NDF:6.8/10

-322.318 $\pm$ 436.490 χ^2 /NDF: 42.3/29

-8.777 $\pm$ 303.070 χ^2 /NDF: 72.0/59

283.091 $\pm$ 421.135 χ^2 /NDF: 28.7/29

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

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

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

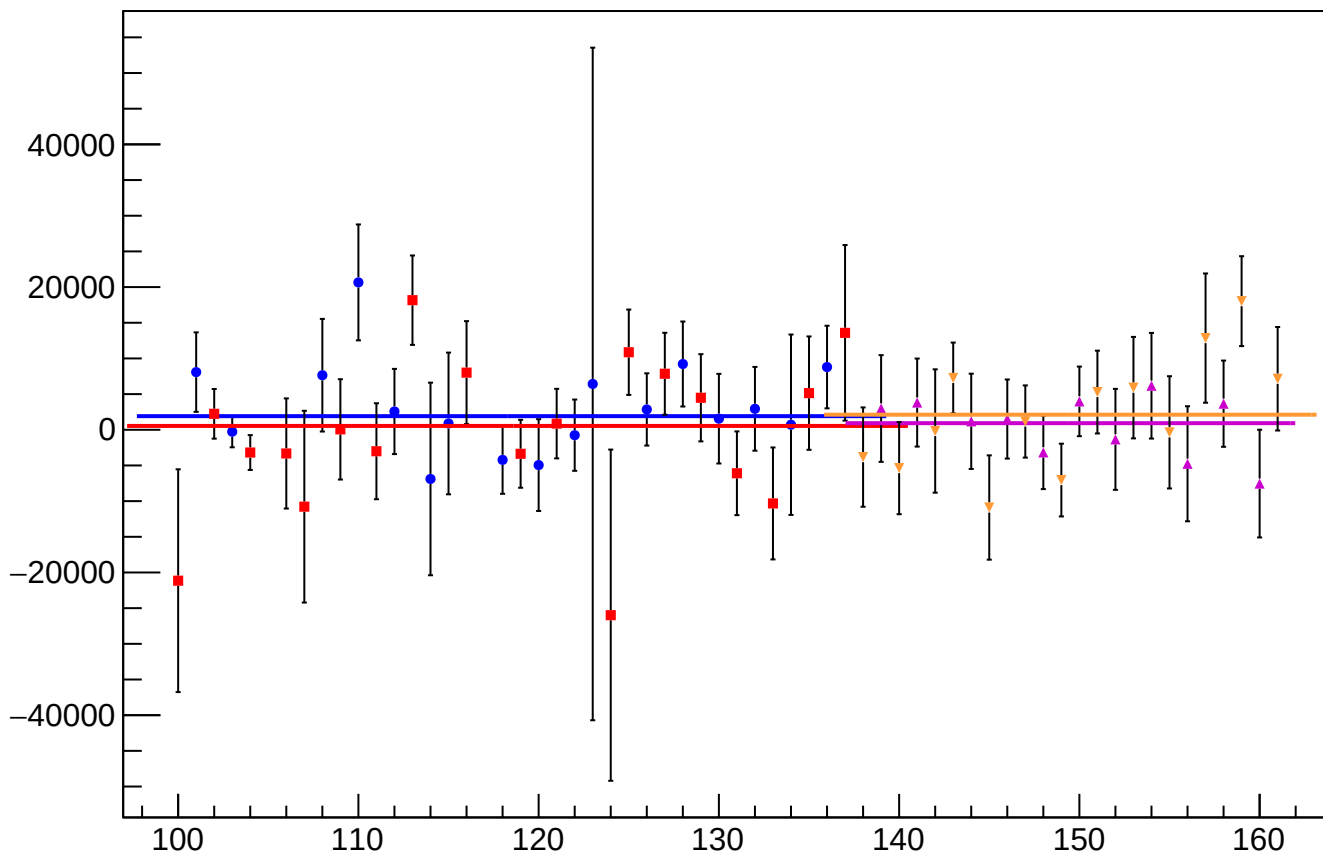
Left In: 5222.717+/-1.253 χ^2/NDF : 522071.8/10

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

998.979+/-0.214 χ^2/NDF : 41975864.5/59

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

asym_atl_avg_mean vs Slug, Sign Corrected



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

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

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

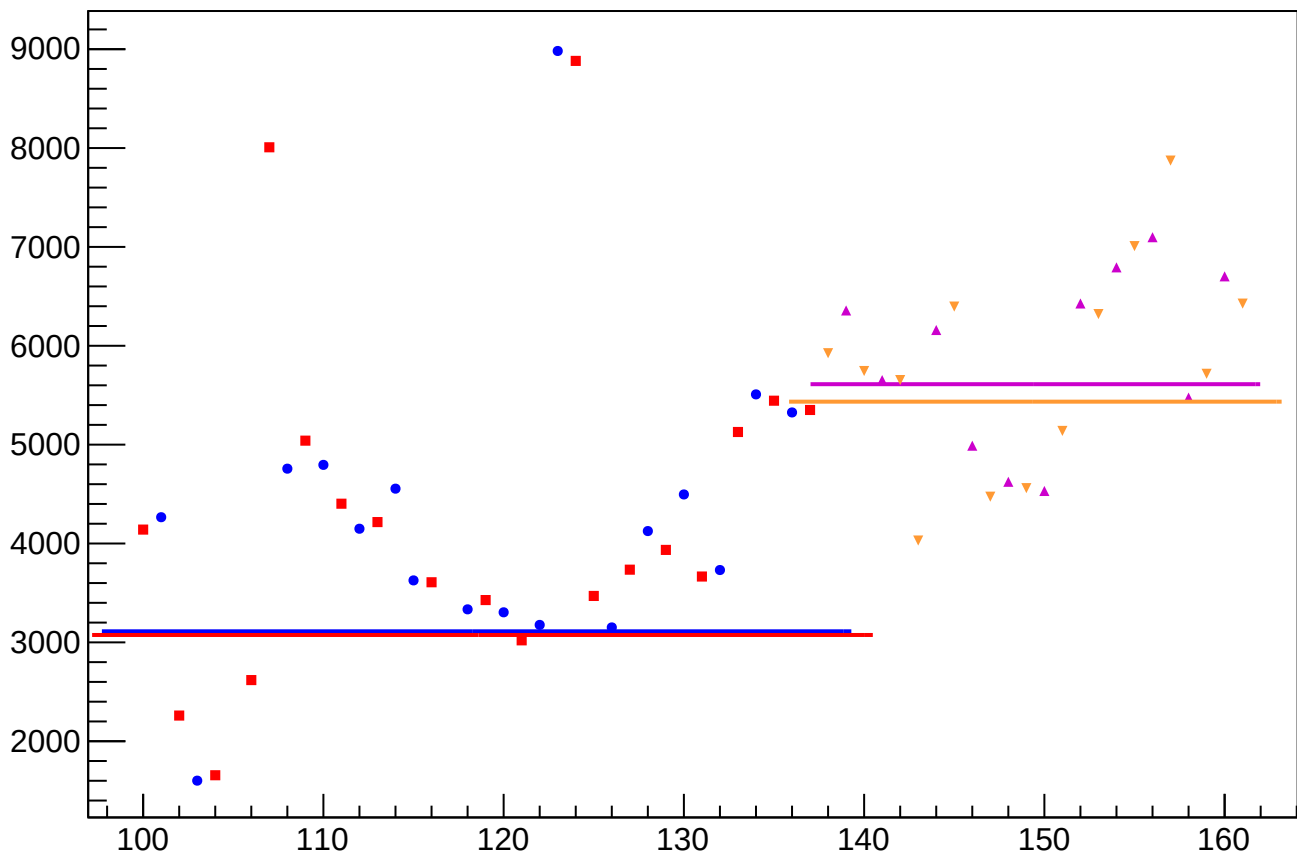
Left In: 925.684+/-1898.525 χ^2/NDF : 3.9/10

1981.862+/-1054.429 χ^2/NDF : 33.2/29

1327.772+/-749.173 χ^2/NDF : 64.3/59

660.971+/-1064.625 χ^2/NDF : 30.3/29

asym_atl_avg_rms vs Slug, Sign Corrected



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

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

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

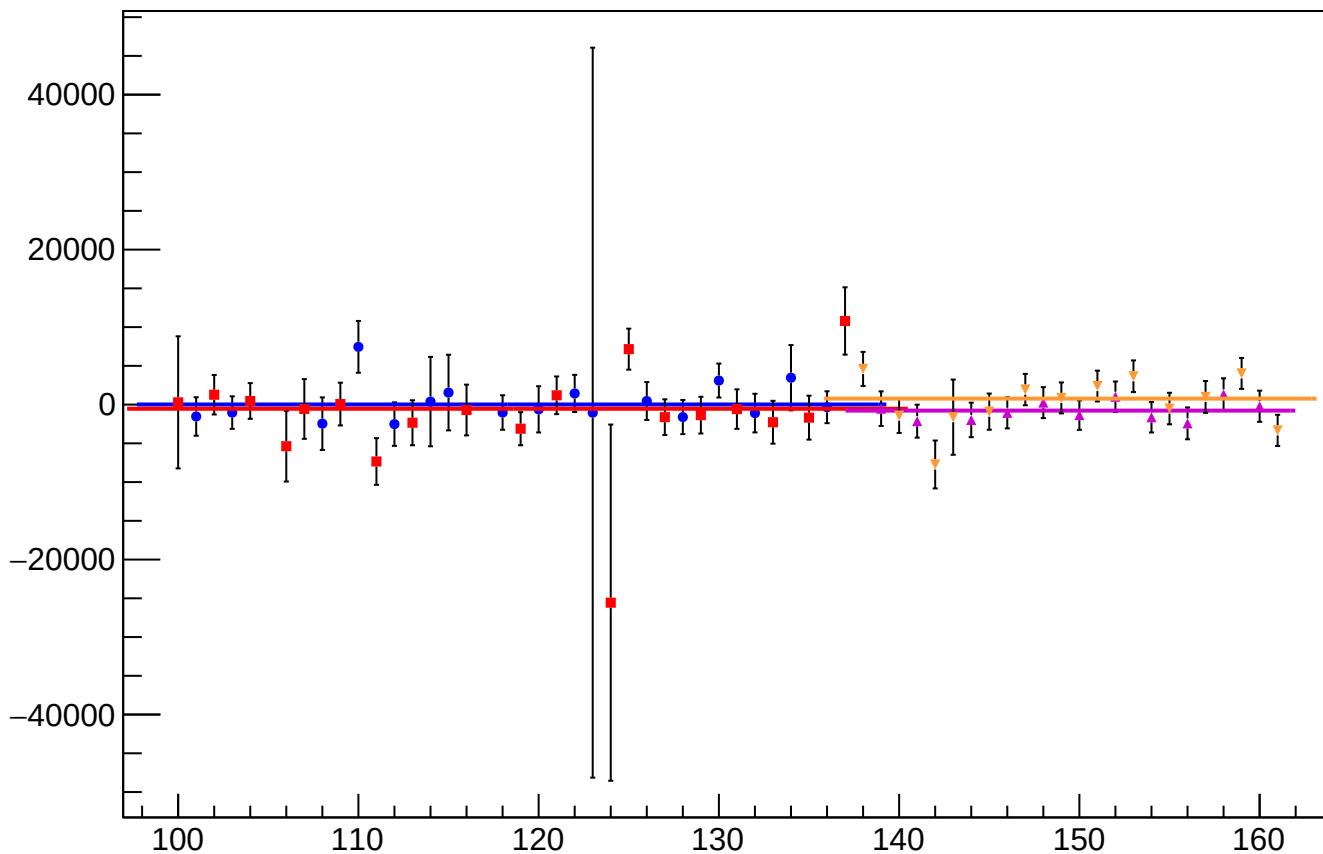
Left In: 5611.444+/-1.342 χ^2/NDF : 418650.9/10

3930.286+/-0.746 χ^2/NDF : 4739023.0/29

3893.424+/-0.527 χ^2/NDF : 9638218.0/59

3856.592+/-0.745 χ^2/NDF : 4894308.5/29

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 773.192+/-608.179 χ^2/NDF : 22.5/12

Right Out: -537.476+/-661.143 χ^2/NDF : 26.7/18

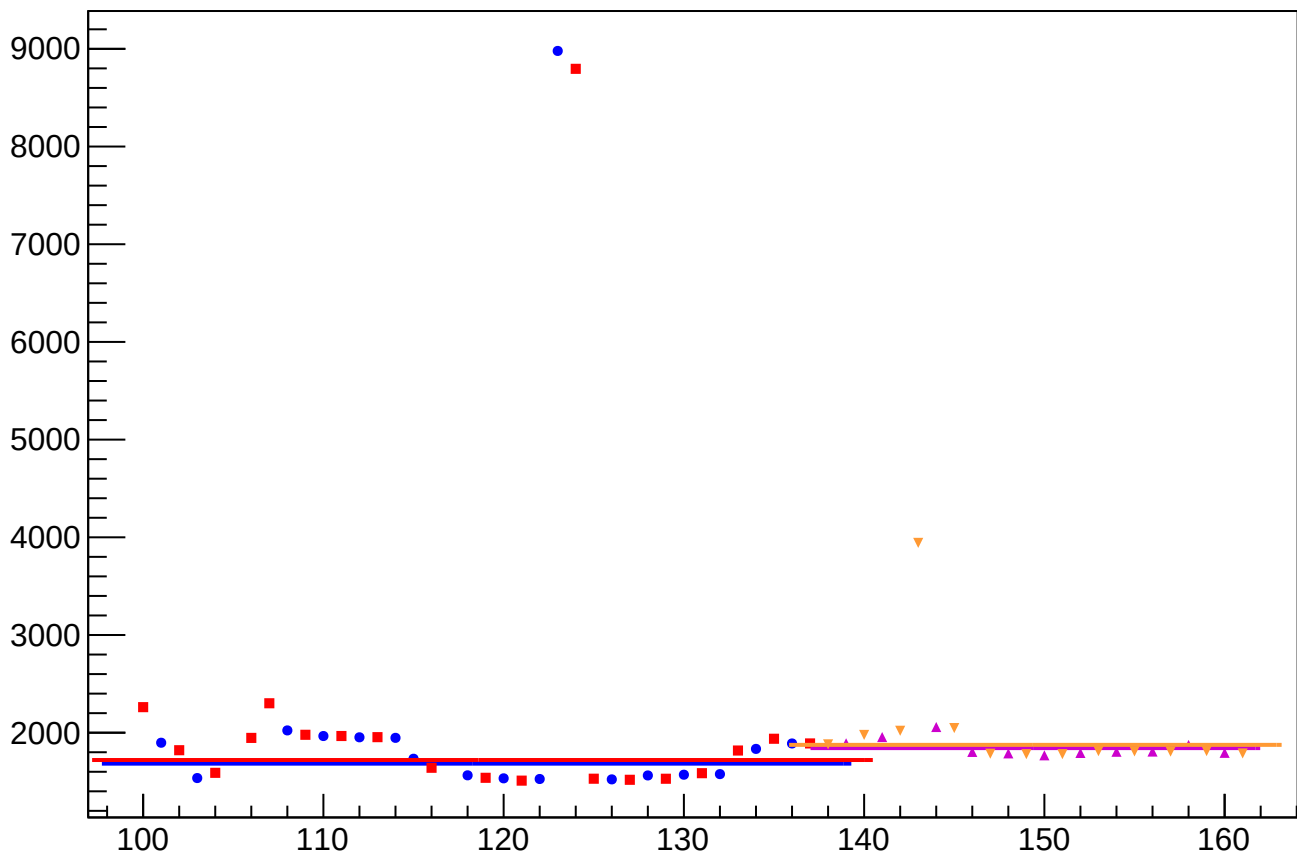
Left In: -775.364+/-616.936 χ^2/NDF : 3.8/10

425.249+/-447.589 χ^2/NDF : 34.4/29

-115.487+/-317.713 χ^2/NDF : 67.9/59

-664.639+/-451.059 χ^2/NDF : 30.6/29

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

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

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

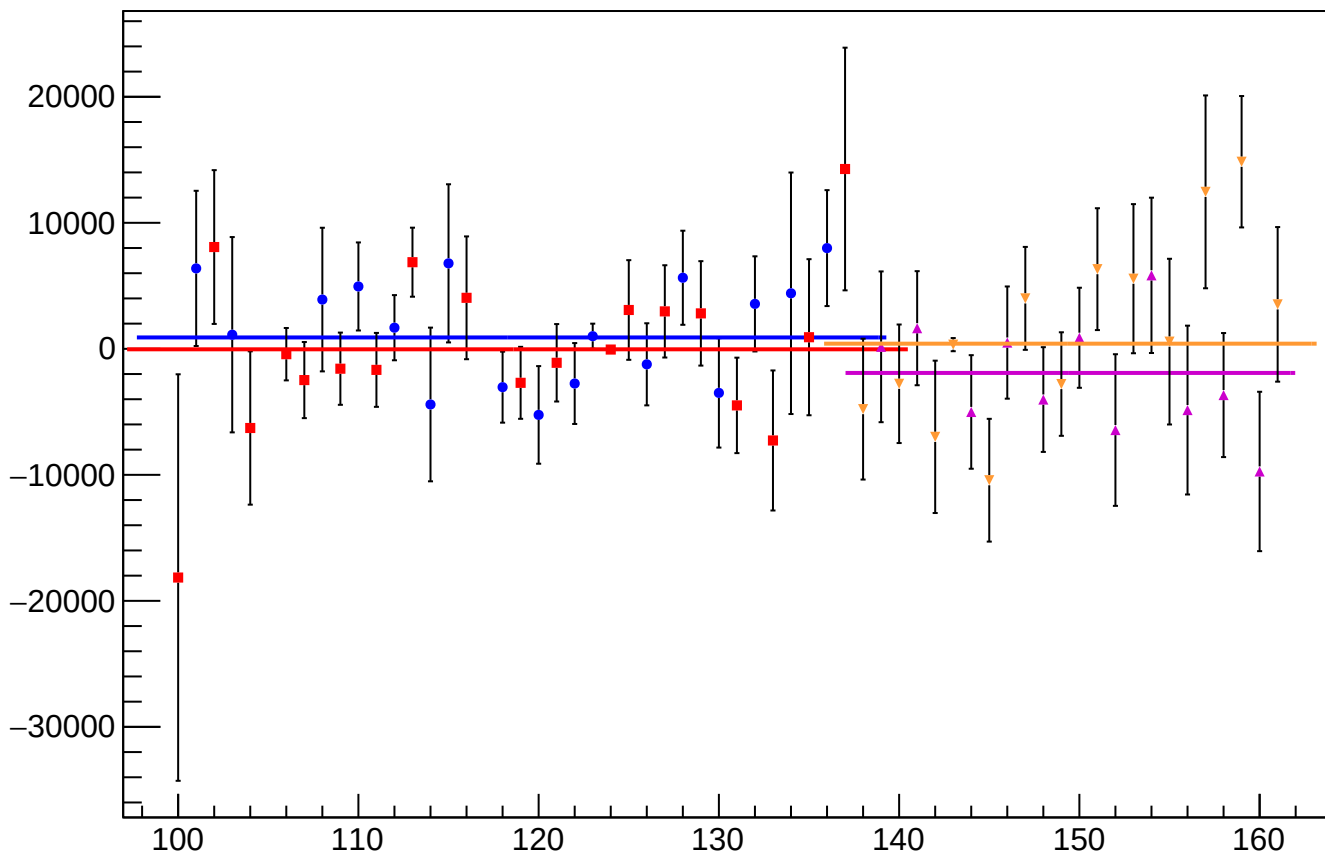
Left In: 1842.240+/-0.436 χ^2/NDF : 34860.3/10

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

1786.325+/-0.224 χ^2/NDF : 1162600.8/59

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

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 409.313 $\pm$ 493.618 χ^2/NDF : 21.8/12

Right Out: -38.143 $\pm$ 357.176 χ^2/NDF : 20.5/18

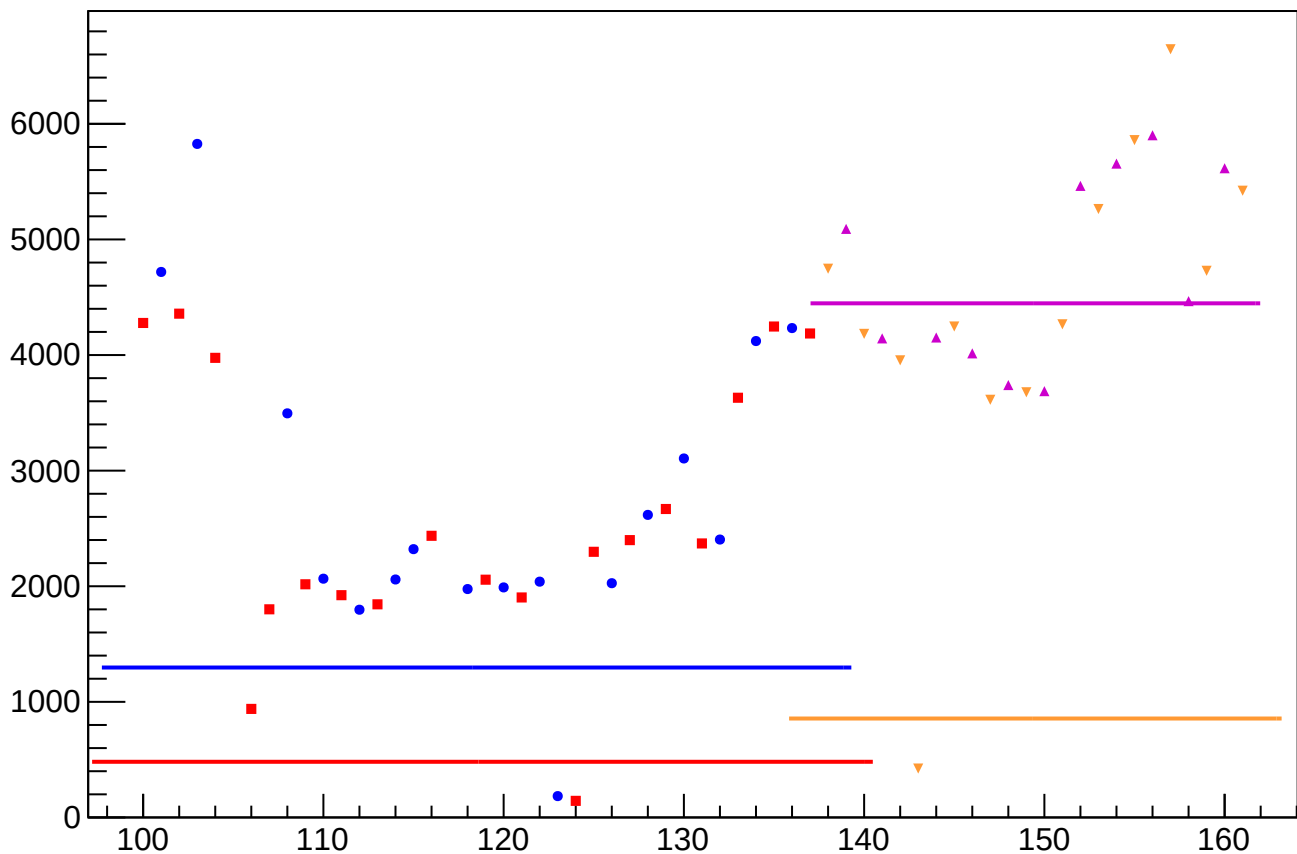
Left In: -1912.964 $\pm$ 1507.129 χ^2/NDF : 6.2/10

571.657 $\pm$ 404.462 χ^2/NDF : 38.2/29

163.518 $\pm$ 263.600 χ^2/NDF : 68.2/59

-137.842 $\pm$ 347.550 χ^2/NDF : 28.2/29

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

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

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

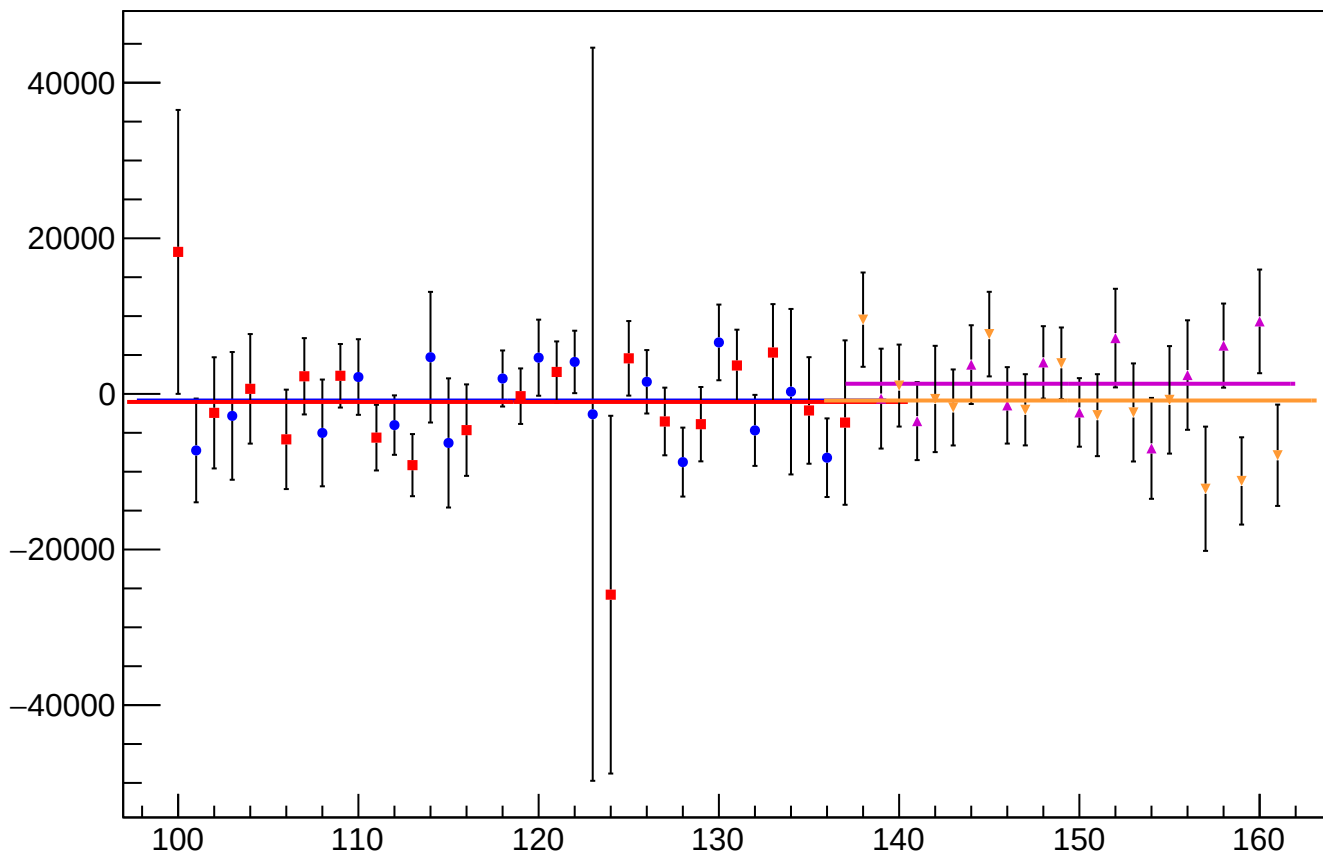
Left In: 4447.336+/-1.066 χ^2/NDF :487181.5/10

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

823.439+/-0.186 χ^2/NDF : 44757815.7/59

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

asym_atl_dd_mean vs Slug, Sign Corrected



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

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

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

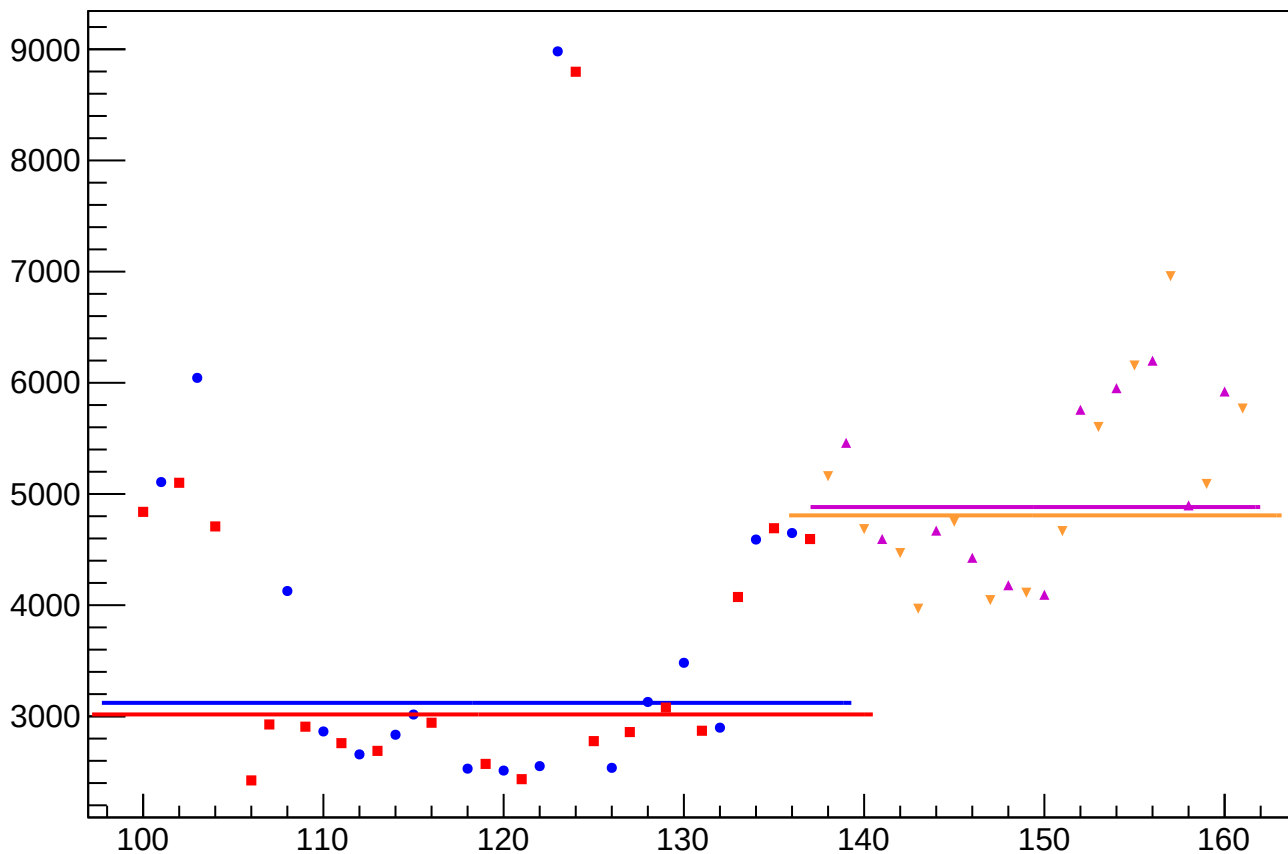
Left In: 1306.025+/-1648.864 χ^2/NDF : 7.4/10

-848.799+/-981.740 χ^2/NDF : 28.9/29

-534.913+/-688.317 χ^2/NDF : 52.9/59

-231.436+/-965.324 χ^2/NDF : 23.7/29

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4807.598+/-1.106 χ^2/NDF : 476433.0/12

Right Out: 3017.215+/-0.831 χ^2/NDF : 791997.9/18

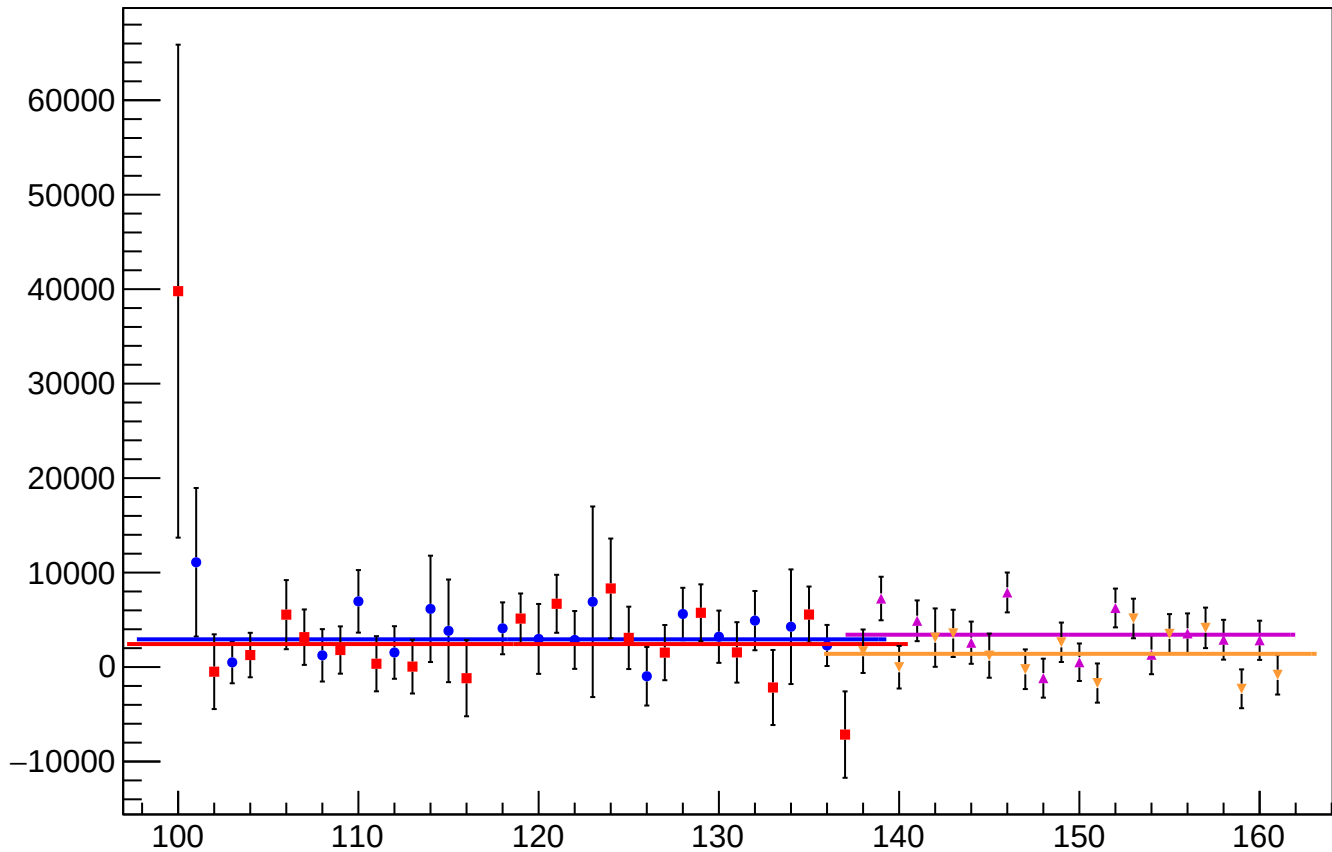
Left In: 4882.570+/-1.166 χ^2/NDF : 364486.2/10

3785.598+/-0.694 χ^2/NDF : 2830707.6/29

3714.087+/-0.485 χ^2/NDF : 5704624.0/59

3646.080+/-0.677 χ^2/NDF : 2853212.9/29

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

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

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

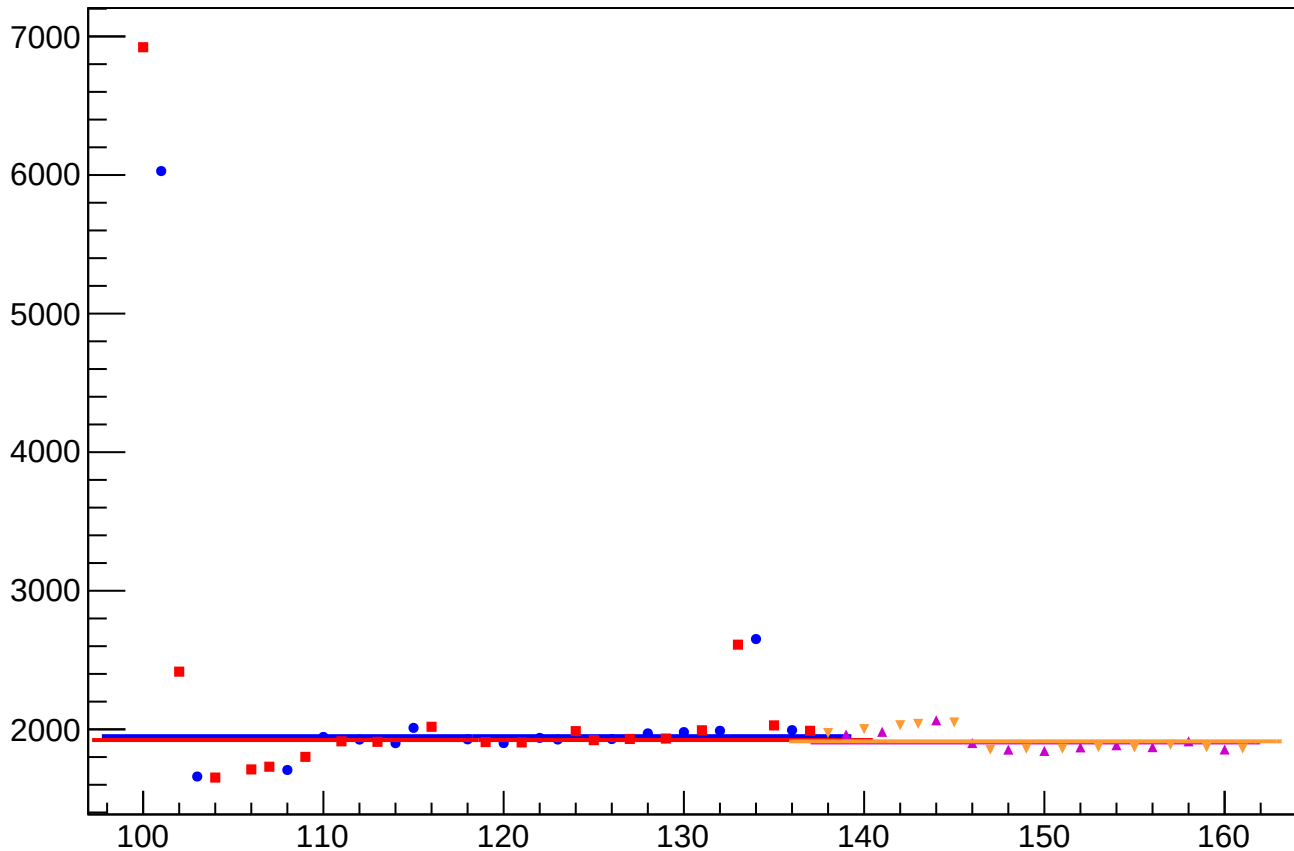
Left In: 3423.089+/-636.180 χ^2/NDF : 18.1/10

1991.071+/-480.851 χ^2/NDF : 25.4/29

2495.016+/-340.605 χ^2/NDF : 64.9/59

3002.484+/-482.528 χ^2/NDF : 37.3/29

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

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

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

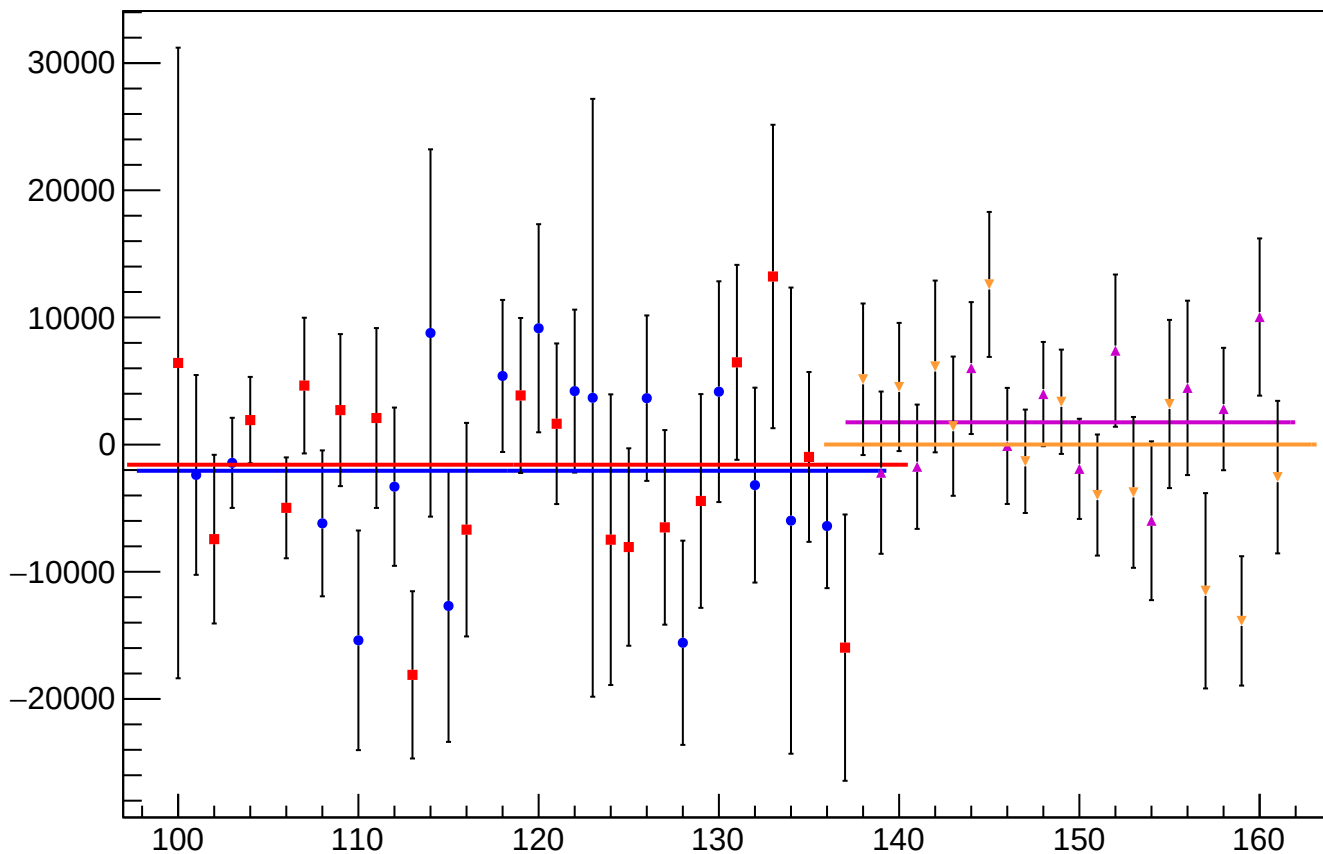
Left In: 1905.458+/-0.450 χ^2/NDF : 19679.5/10

1927.717+/-0.340 χ^2/NDF : 647632.9/29

1920.288+/-0.241 χ^2/NDF : 886298.8/59

1912.823+/-0.341 χ^2/NDF : 237708.8/29

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

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

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

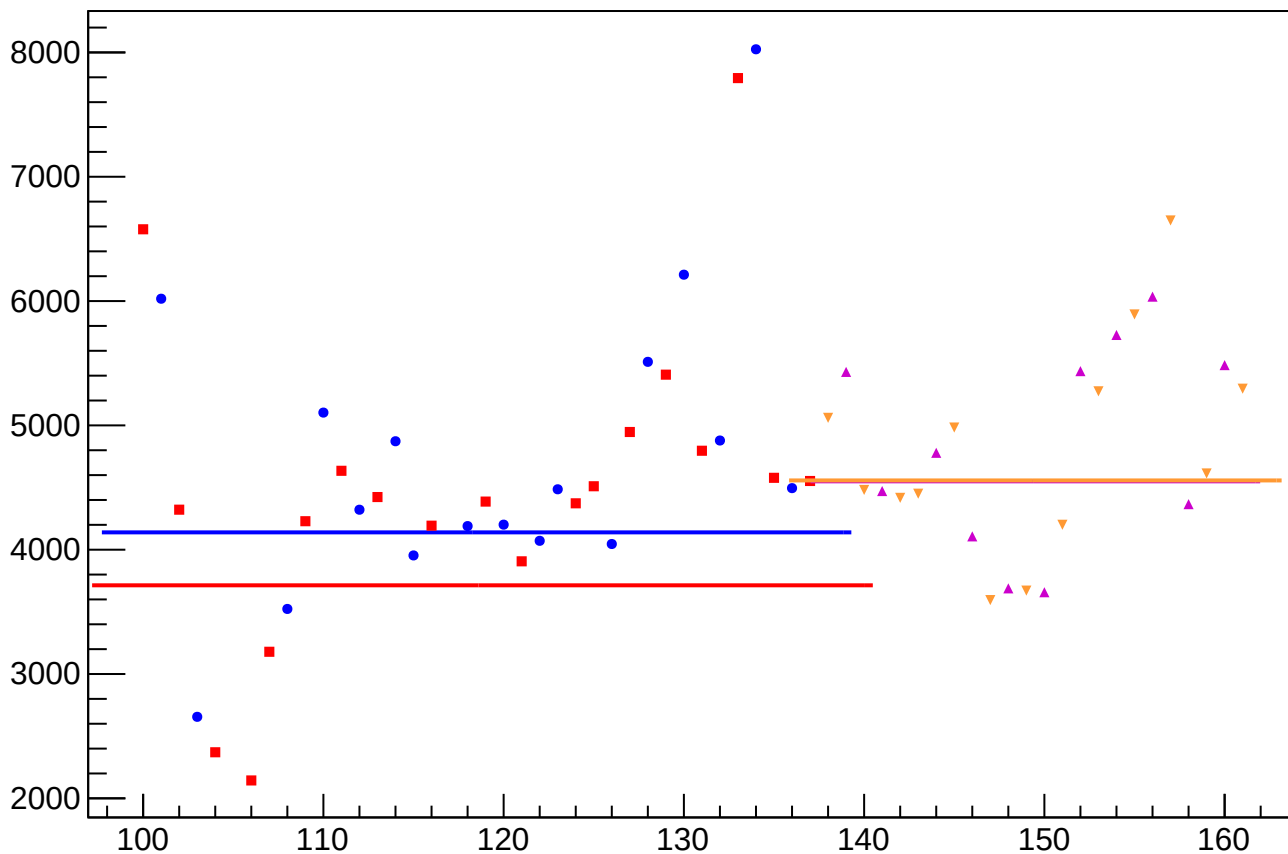
Left In: 1753.767 ± 1543.436 χ^2/NDF : 7.3/10

-909.843 ± 1107.815 χ^2/NDF : 34.1/29

-430.873 ± 768.606 χ^2/NDF : 62.8/59

13.673 ± 1067.263 χ^2/NDF : 28.4/29

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

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

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

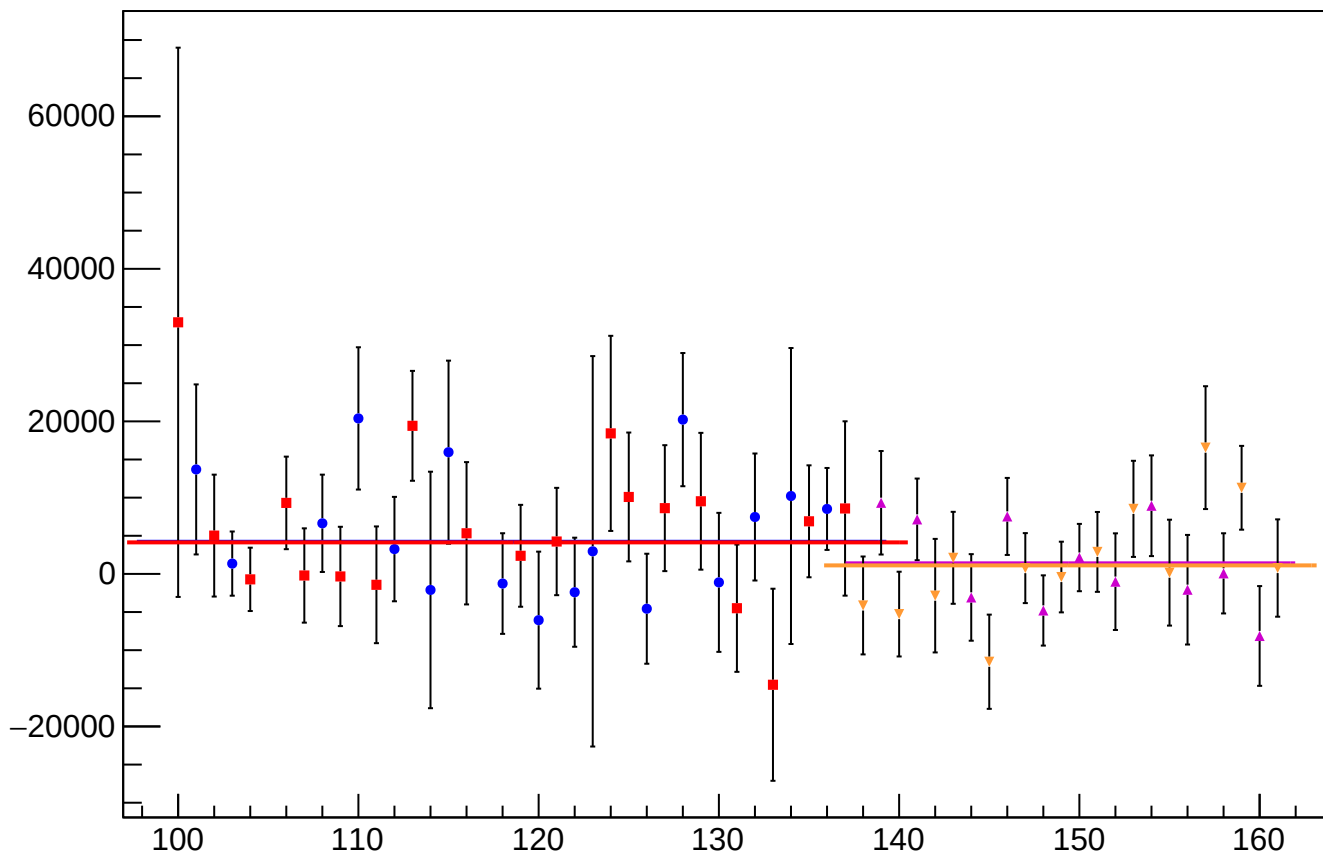
Left In: 4549.910+/-1.091 χ^2/NDF : 509702.0/10

4371.349+/-0.783 χ^2/NDF : 1417693.7/29

4237.590+/-0.543 χ^2/NDF : 3565926.6/59

4113.444+/-0.755 χ^2/NDF : 2092014.6/29

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4211.844 $\pm$ 1871.304 χ^2/NDF : 14.4/16

Left Out: 1117.535 $\pm$ 1626.507 χ^2/NDF : 15.2/12

Right Out: 4133.660 $\pm$ 1725.341 χ^2/NDF : 14.8/18

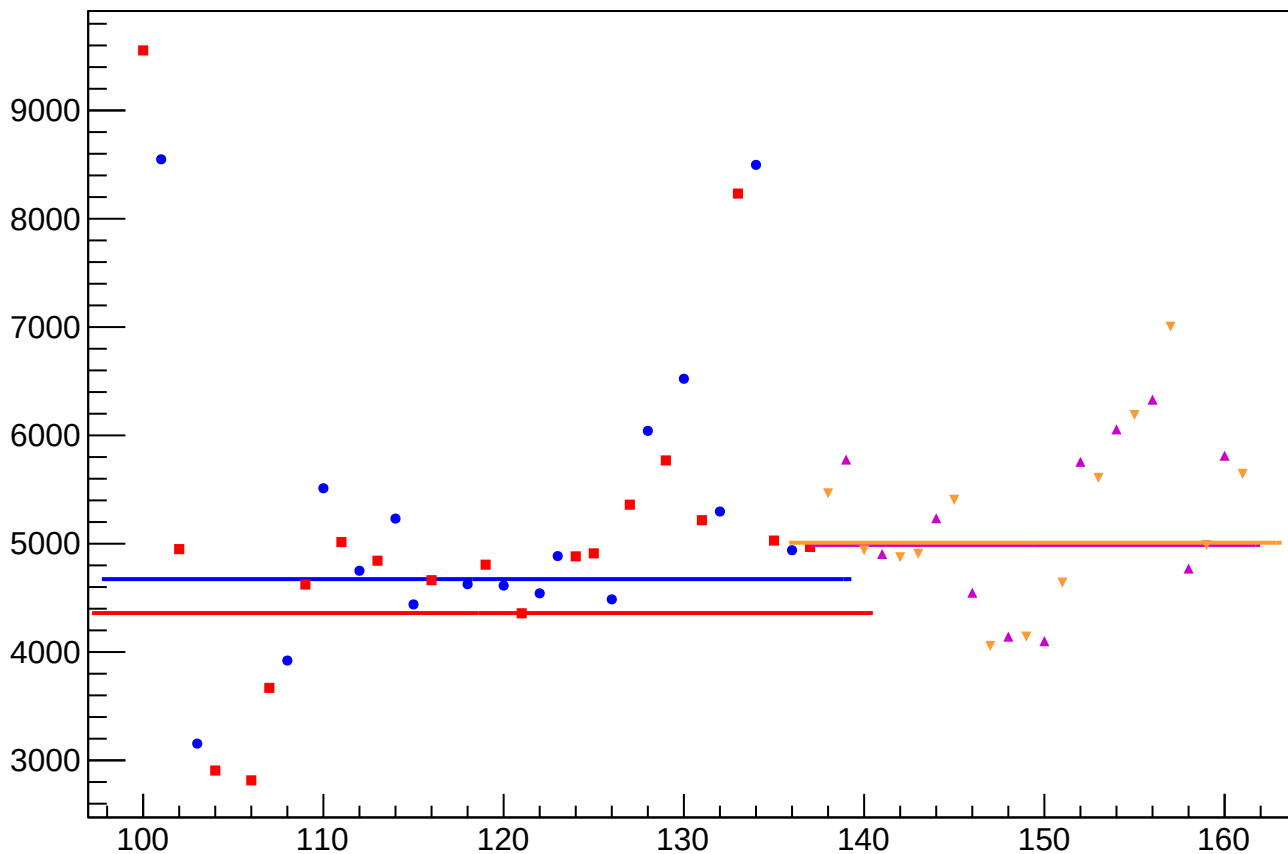
Left In: 1384.766 $\pm$ 1685.155 χ^2/NDF : 10.3/10

2449.187 $\pm$ 1227.603 χ^2/NDF : 31.2/29

2590.525 $\pm$ 860.140 χ^2/NDF : 57.6/59

2726.827 $\pm$ 1205.541 χ^2/NDF : 26.4/29

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046 $\pm$ 1.323 χ^2/NDF : 777321.1/16

Left Out: 5009.327 $\pm$ 1.150 χ^2/NDF : 404213.1/12

Right Out: 4359.833 $\pm$ 1.213 χ^2/NDF : 832191.0/18

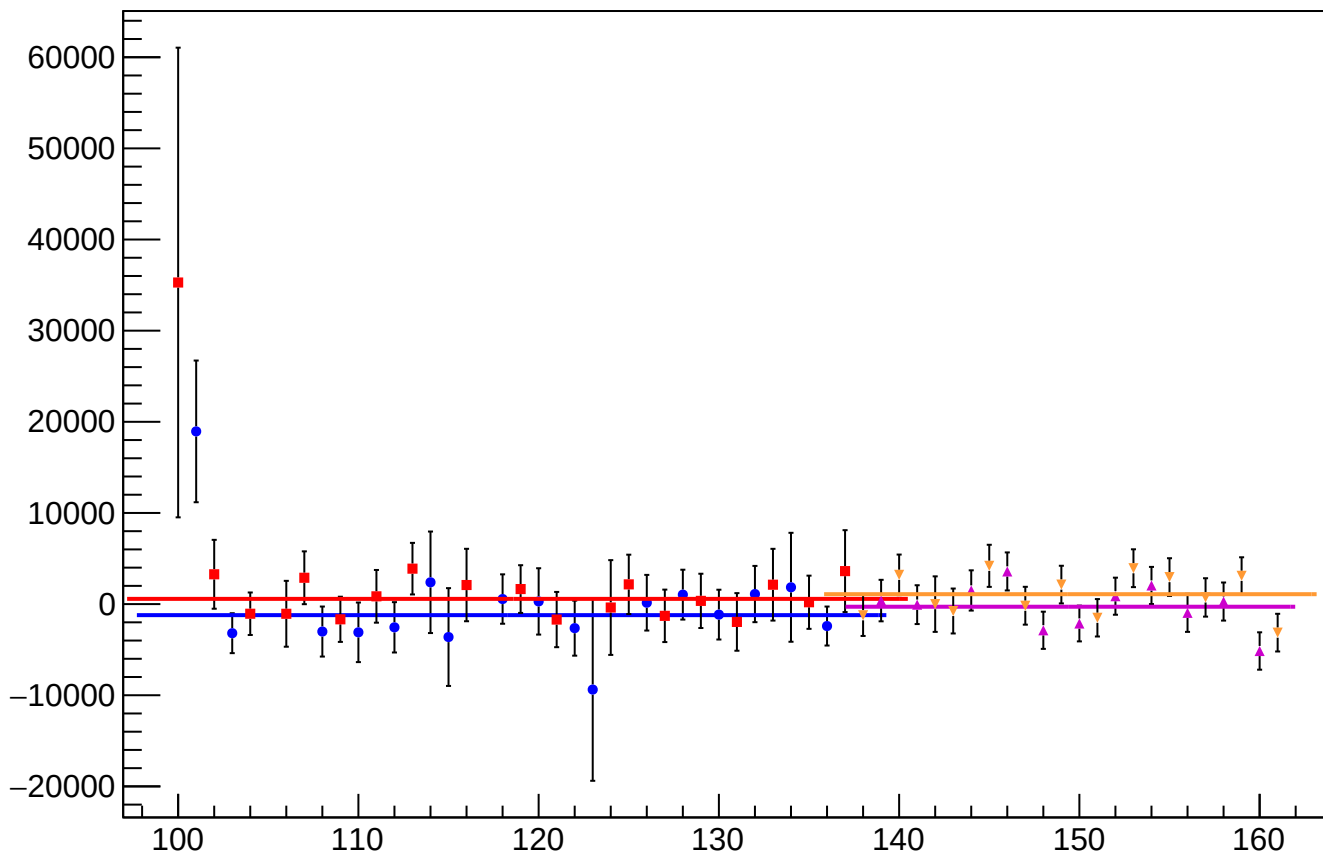
Left In: 4988.901 $\pm$ 1.192 χ^2/NDF : 381446.4/10

4864.607 $\pm$ 0.868 χ^2/NDF : 1218326.1/29

4770.346 $\pm$ 0.607 χ^2/NDF : 2591938.3/59

4679.958 $\pm$ 0.850 χ^2/NDF : 1350513.4/29

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1211.176 $\pm$ 765.294 χ^2 /NDF: 12.7/16

Left Out: 1087.168 $\pm$ 605.680 χ^2 /NDF: 14.6/12

Right Out: 573.457 $\pm$ 730.668 χ^2 /NDF: 8.7/18

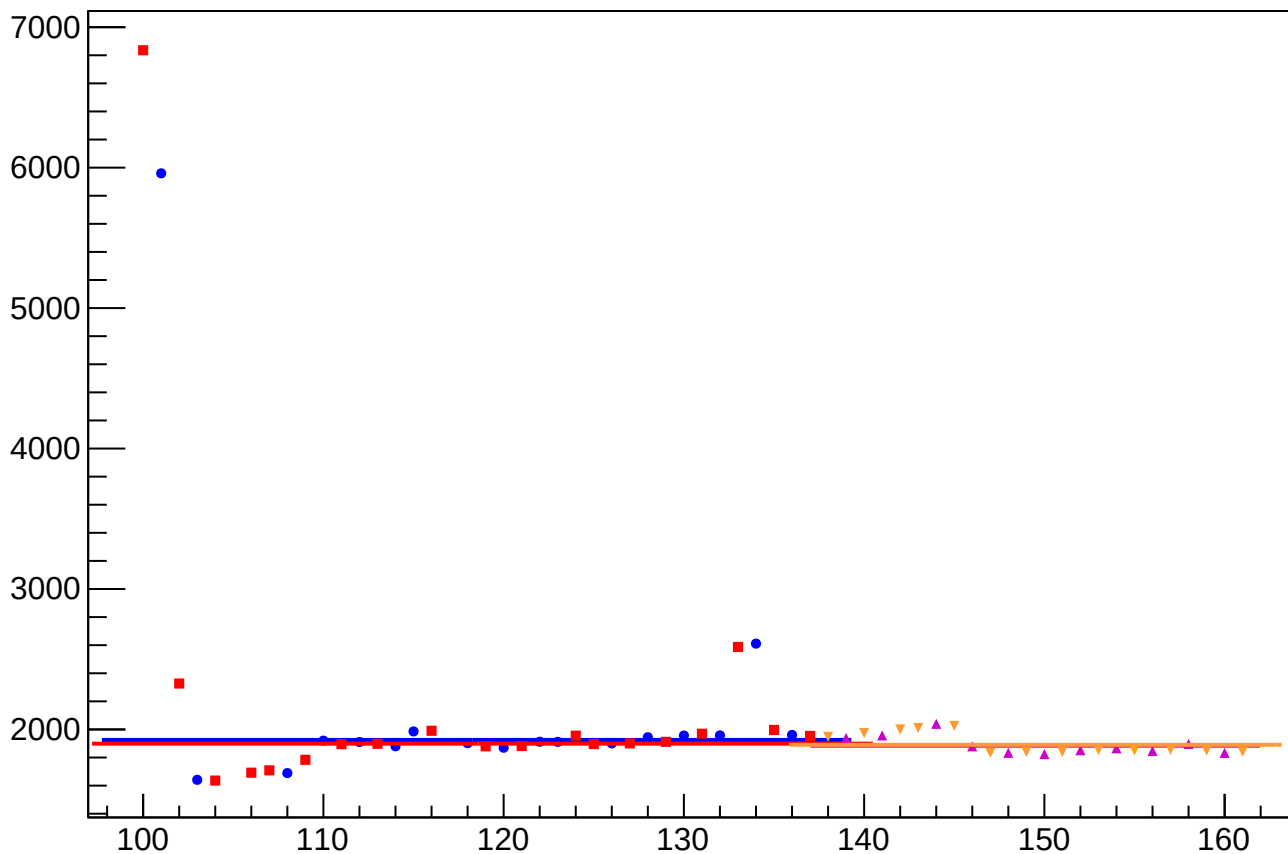
Left In: -288.698 $\pm$ 629.133 χ^2 /NDF: 14.1/10

202.001 $\pm$ 474.934 χ^2 /NDF: 32.8/29

140.417 $\pm$ 336.471 χ^2 /NDF: 56.4/59

78.360 $\pm$ 476.754 χ^2 /NDF: 23.6/29

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

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

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

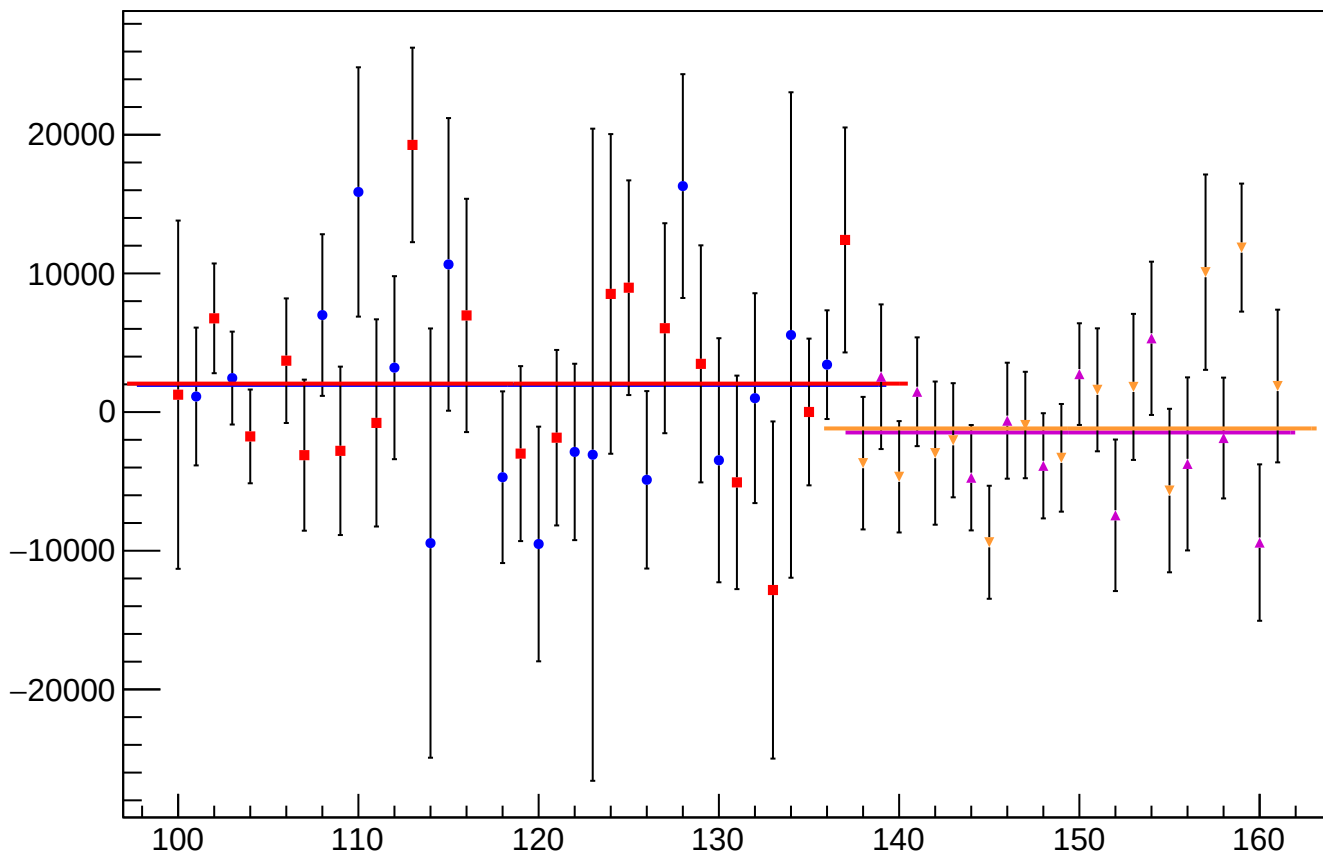
Left In: 1884.388+/-0.445 χ^2 /NDF: 19187.7/10

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

1897.343+/-0.238 χ^2 /NDF: 875742.5/59

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

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1180.271 $\pm$ 1277.794 χ^2 /NDF: 17.7/12

Right Out: 2052.842 $\pm$ 1413.641 χ^2 /NDF: 17.4/18

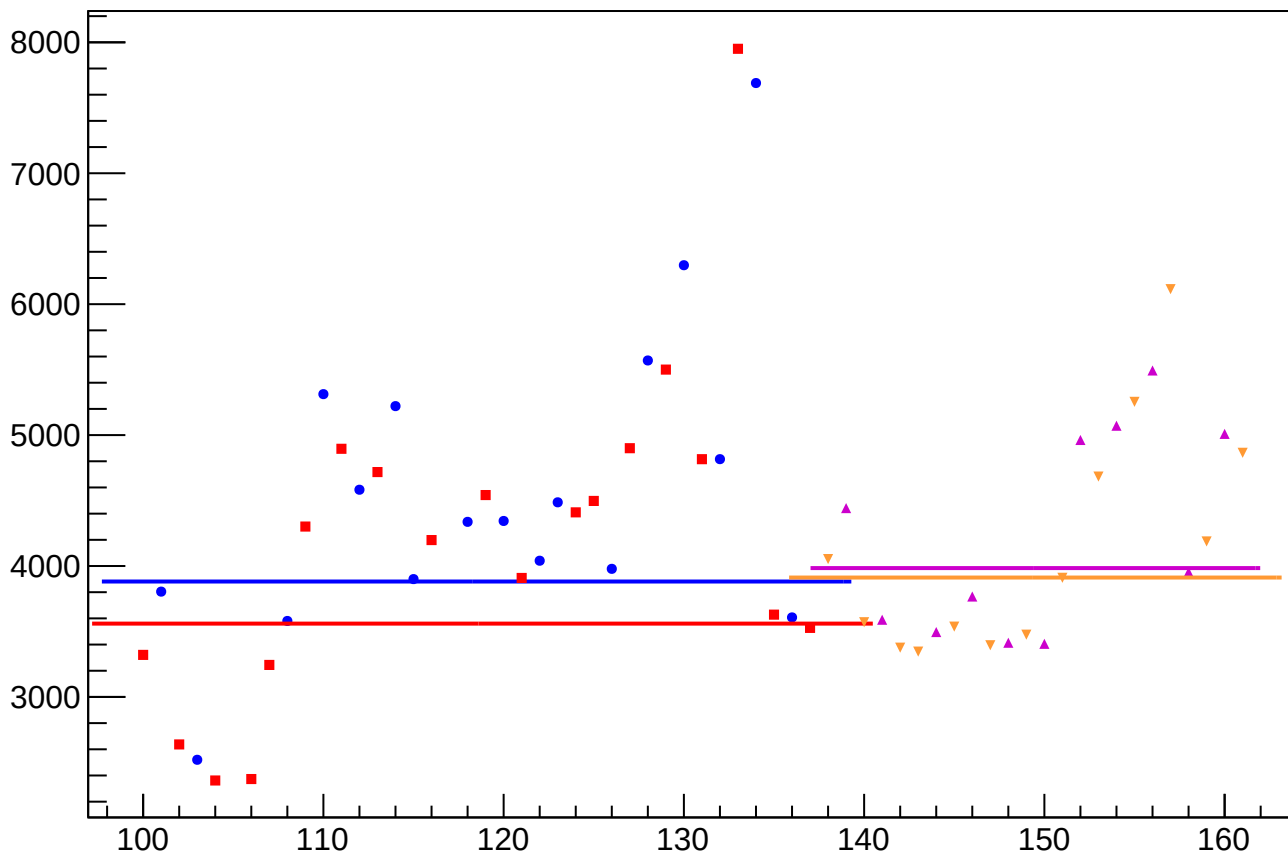
Left In: -1469.678 $\pm$ 1350.787 χ^2 /NDF: 8.5/10

83.319 $\pm$ 987.708 χ^2 /NDF: 33.1/29

148.149 $\pm$ 694.460 χ^2 /NDF: 62.2/59

211.532 $\pm$ 976.615 χ^2 /NDF: 29.2/29

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.577 $\pm$ 1.101 χ^2 /NDF: 817466.6/16

Left Out: 3911.928 $\pm$ 0.904 χ^2 /NDF: 563016.7/12

Right Out: 3560.054 $\pm$ 1.000 χ^2 /NDF: 1241523.0/18

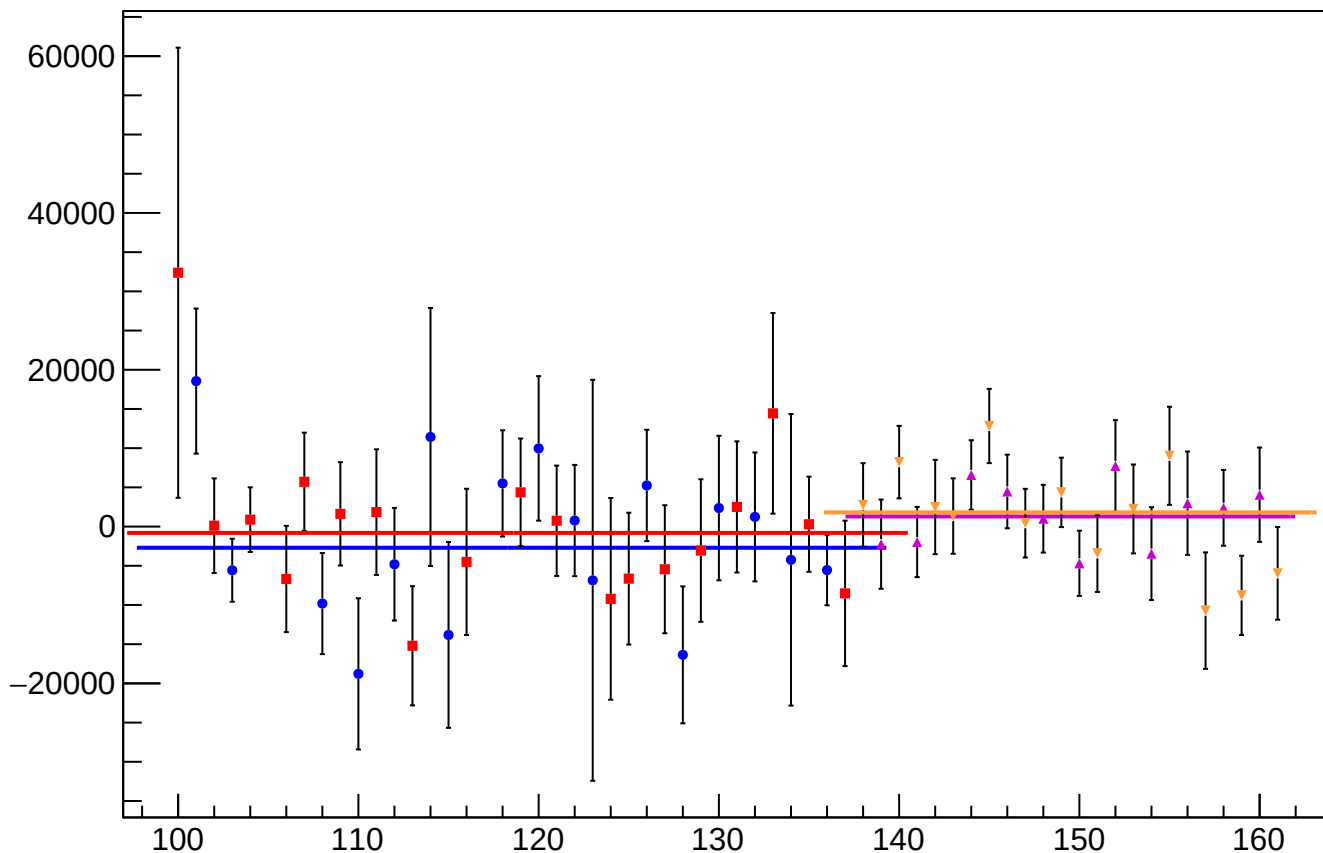
Left In: 3984.174 $\pm$ 0.955 χ^2 /NDF: 493740.0/10

3899.712 $\pm$ 0.698 χ^2 /NDF: 1380937.4/29

3840.066 $\pm$ 0.491 χ^2 /NDF: 3224727.3/59

3781.752 $\pm$ 0.691 χ^2 /NDF: 1829365.7/29

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1813.161+/-1436.917 χ^2/NDF : 19.2/12

Right Out: -805.951+/-1690.353 χ^2/NDF : 11.6/18

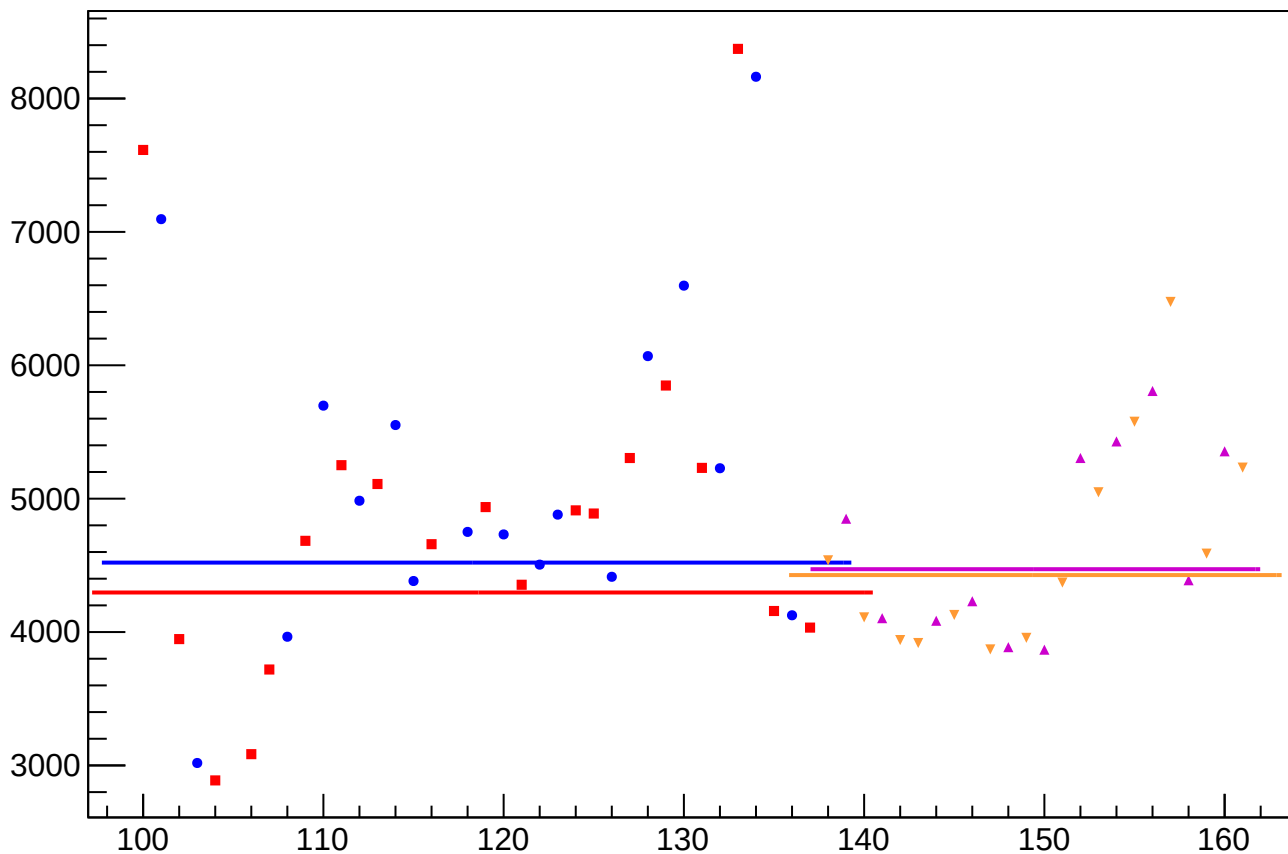
Left In: 1287.276+/-1508.210 χ^2/NDF : 7.1/10

67.013+/-1125.170 χ^2/NDF : 42.8/29

213.219+/-795.687 χ^2/NDF : 62.3/59

359.477+/-1125.373 χ^2/NDF : 19.5/29

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685 $\pm$ 1.279 χ^2 /NDF: 770887.4/16

Left Out: 4427.173 $\pm$ 1.016 χ^2 /NDF: 391806.9/12

Right Out: 4296.527 $\pm$ 1.189 χ^2 /NDF: 771785.2/18

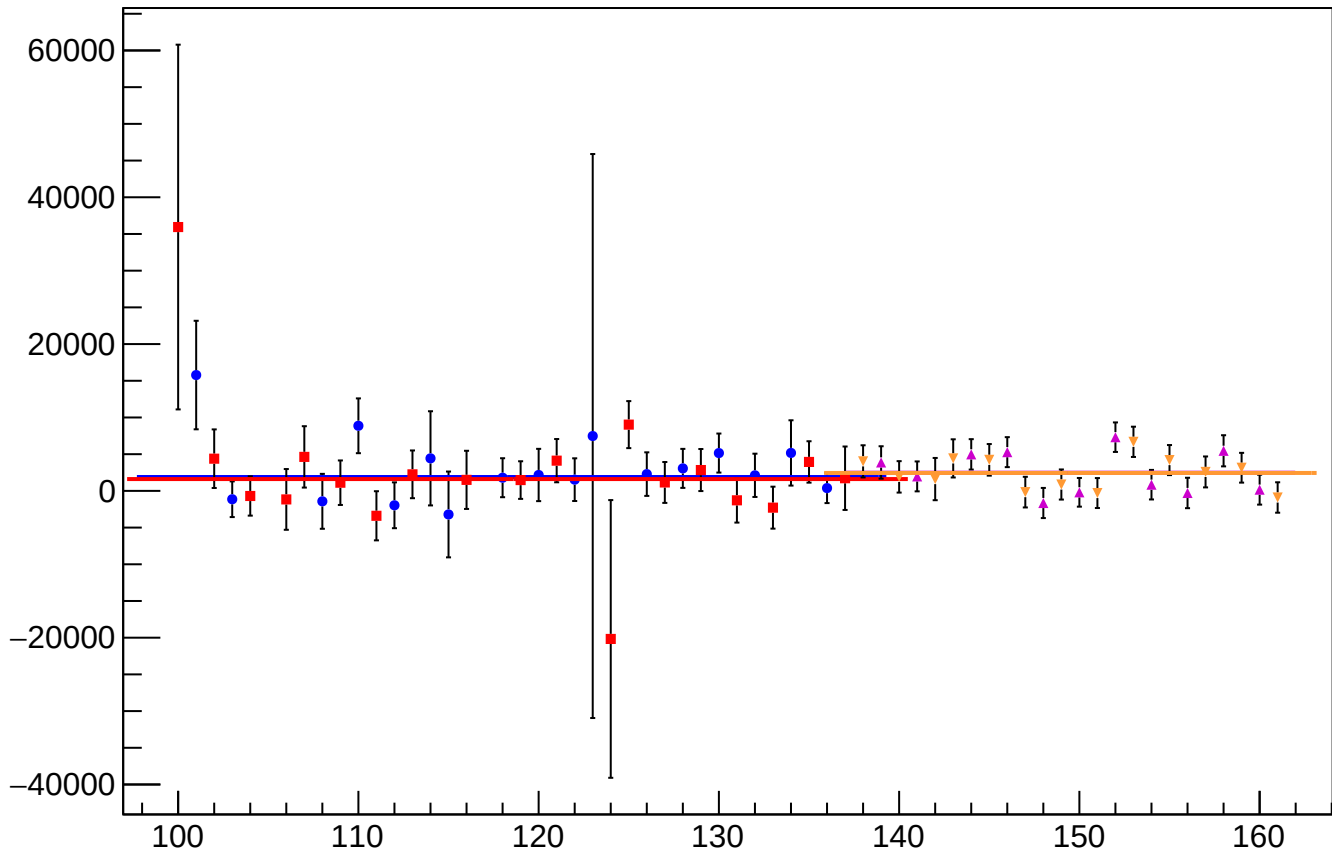
Left In: 4471.301 $\pm$ 1.066 χ^2 /NDF: 340411.6/10

4463.347 $\pm$ 0.796 χ^2 /NDF: 1165970.9/29

4428.270 $\pm$ 0.562 χ^2 /NDF: 2294024.3/59

4393.354 $\pm$ 0.794 χ^2 /NDF: 1124174.8/29

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2443.326 $\pm$ 598.269 χ^2 /NDF:13.6/12

Right Out: 1610.310 $\pm$ 765.843 χ^2 /NDF: 17.5/18

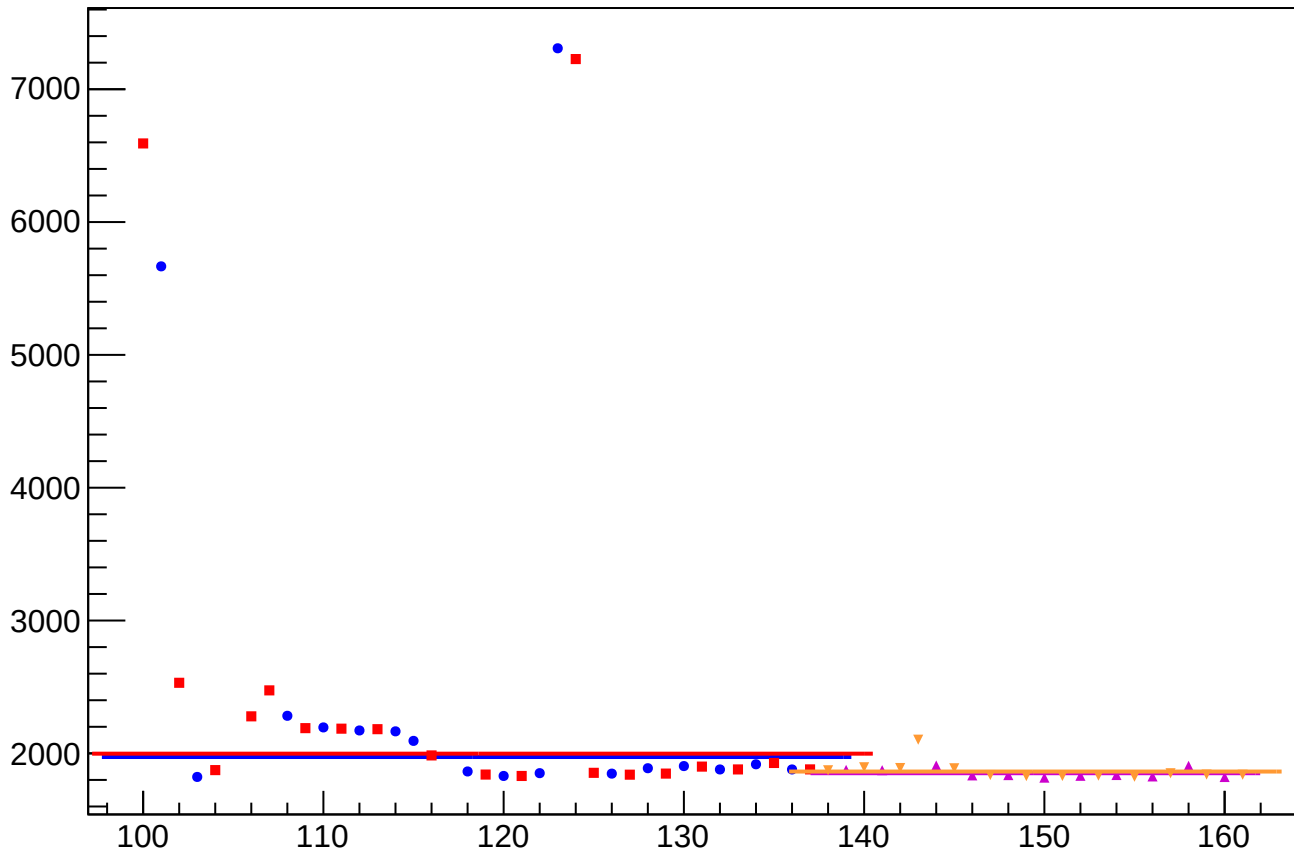
Left In: 2476.031 $\pm$ 619.249 χ^2 /NDF:21.2/10

2238.869 $\pm$ 475.570 χ^2 /NDF: 28.6/29

2186.979 $\pm$ 338.366 χ^2 /NDF: 68.0/59

2133.781 $\pm$ 481.529 χ^2 /NDF: 39.5/29

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

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

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

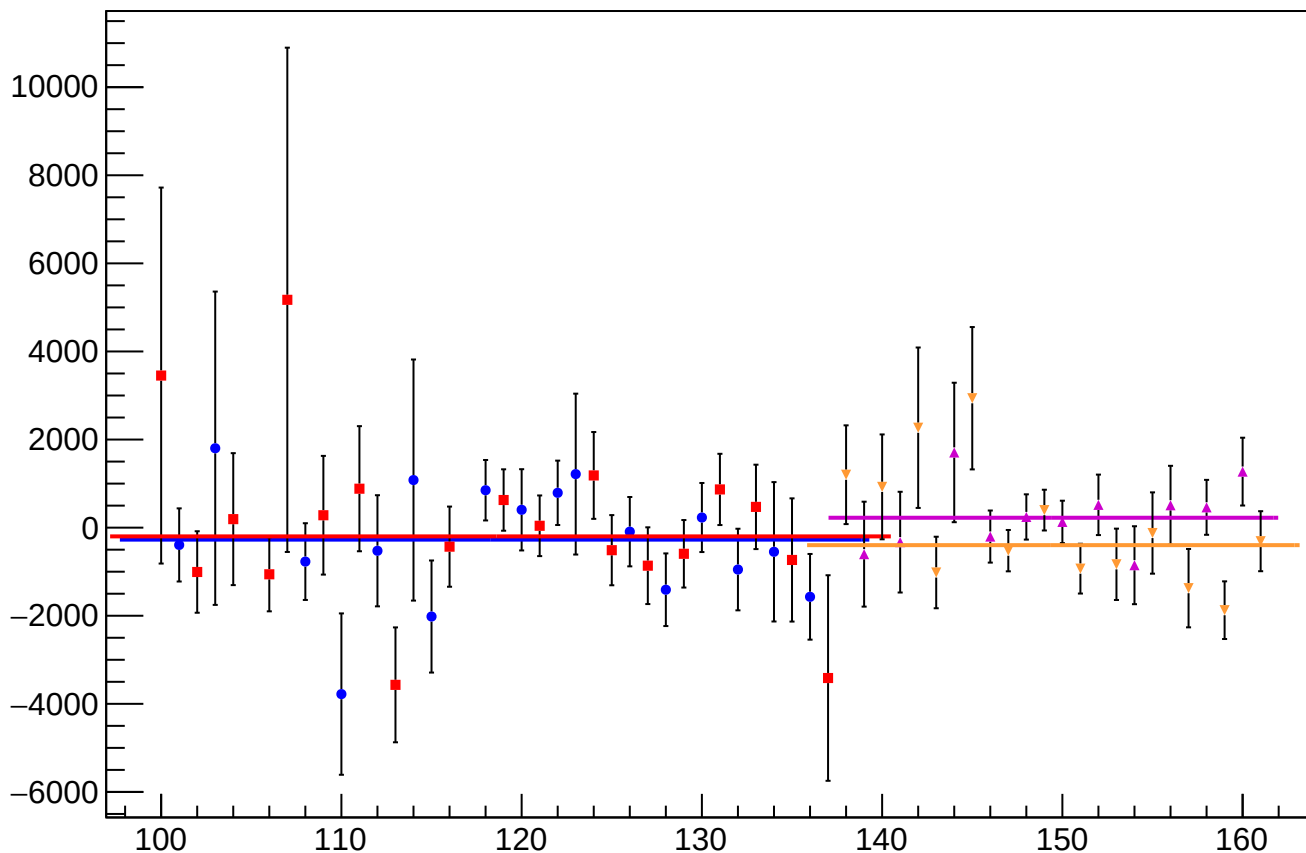
Left In: 1850.511+/-0.438 χ^2/NDF : 5176.4/10

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

1905.981+/-0.239 χ^2/NDF : 1052141.7/59

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

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -271.773 ± 240.214 $\chi^2/\text{NDF}: 17.2/16$

Left Out: -397.240 ± 202.061 $\chi^2/\text{NDF}: 20.9/12$

Right Out: -198.424 ± 229.035 $\chi^2/\text{NDF}: 19.7/18$

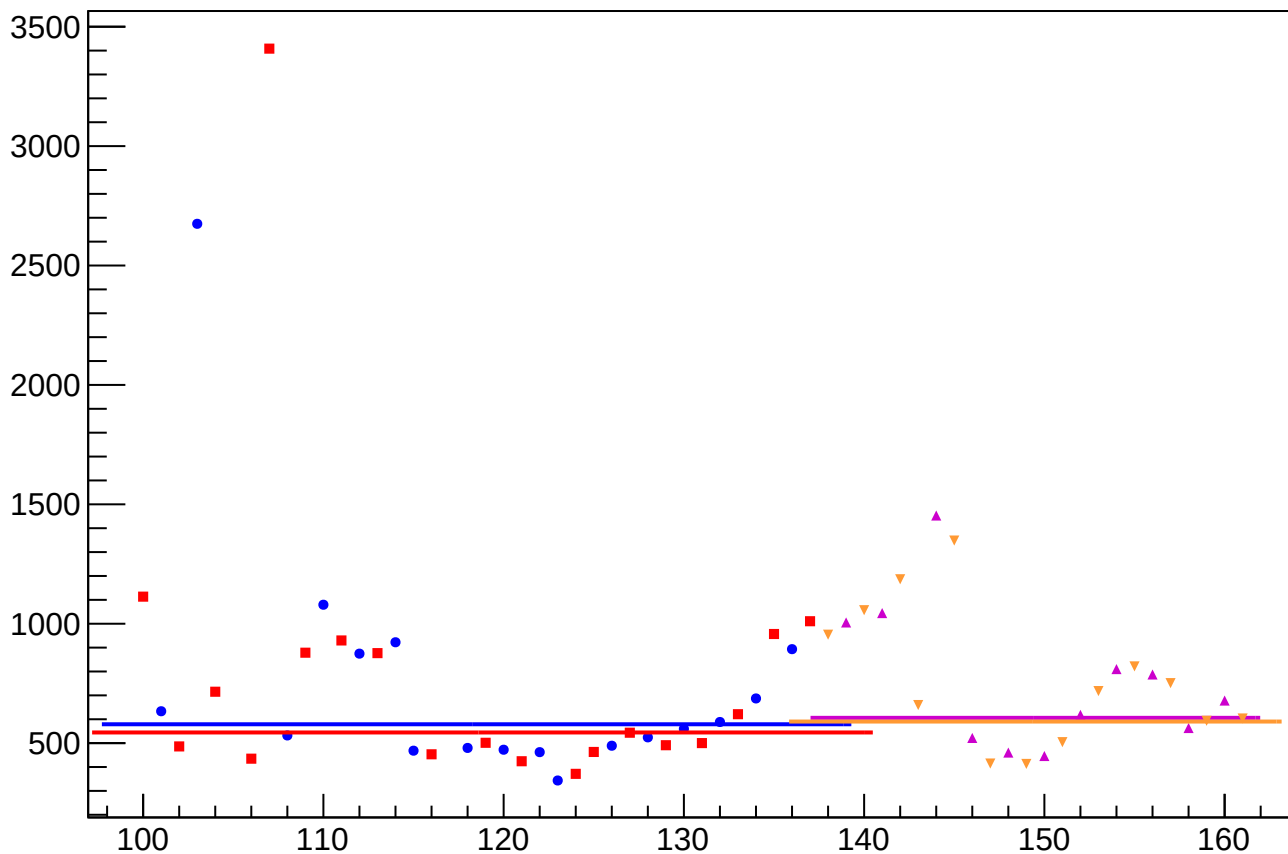
Left In: 224.678 ± 214.470 $\chi^2/\text{NDF}: 5.9/10$

-345.250 ± 154.630 $\chi^2/\text{NDF}: 38.2/29$

-161.417 ± 110.012 $\chi^2/\text{NDF}: 68.6/59$

27.008 ± 156.549 $\chi^2/\text{NDF}: 27.5/29$

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 590.394 $\pm$ 0.143 χ^2 /NDF: 2048579.1/12

Right Out: 544.674 $\pm$ 0.162 χ^2 /NDF: 1457799.9/18

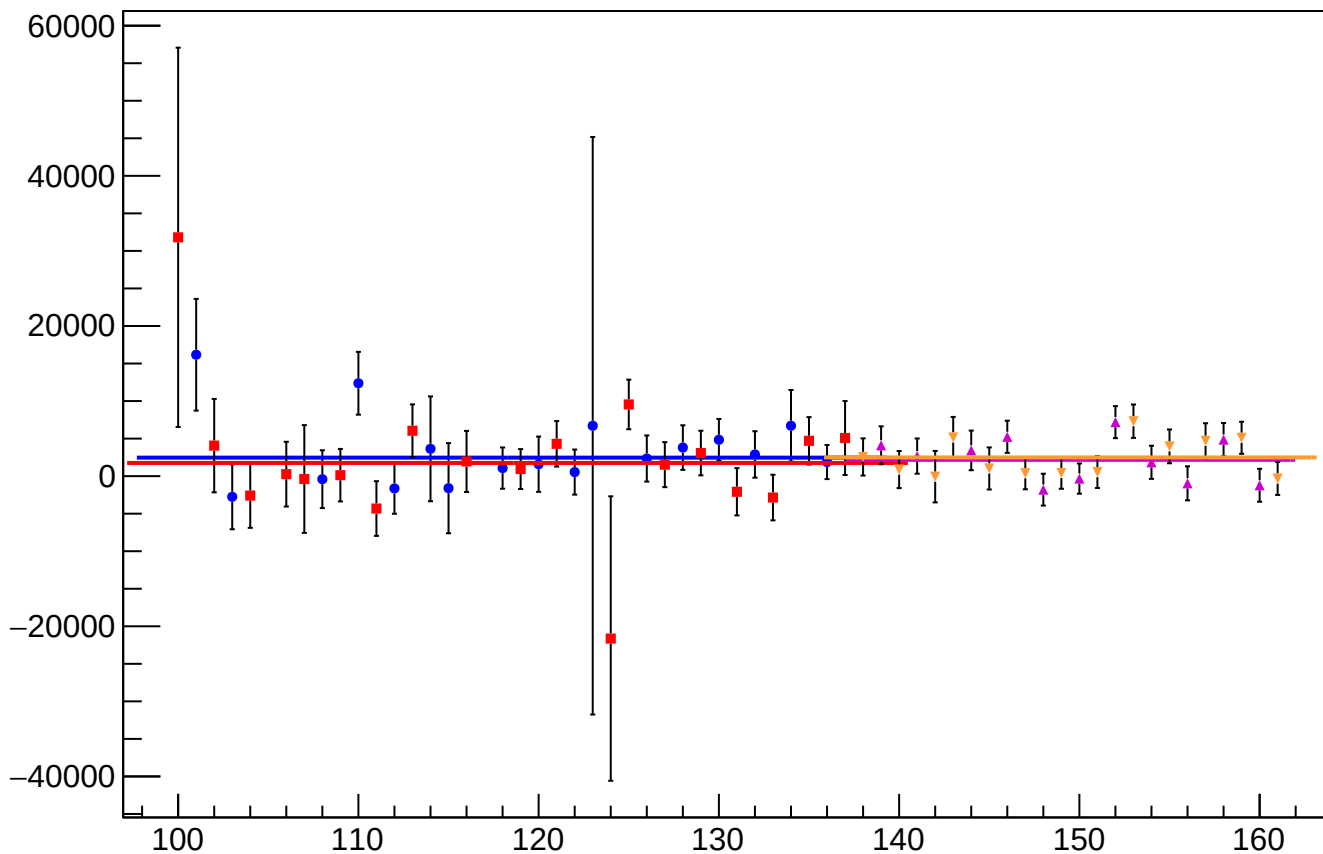
Left In: 605.918 $\pm$ 0.152 χ^2 /NDF: 1729671.2/10

585.677 $\pm$ 0.109 χ^2 /NDF: 3473358.1/29

581.543 $\pm$ 0.078 χ^2 /NDF: 6739918.6/59

577.305 $\pm$ 0.111 χ^2 /NDF: 3263665.3/29

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2491.216 $\pm$ 652.445 χ^2 /NDF: 14.2/12

Right Out: 1756.788 $\pm$ 853.292 χ^2 /NDF: 20.5/18

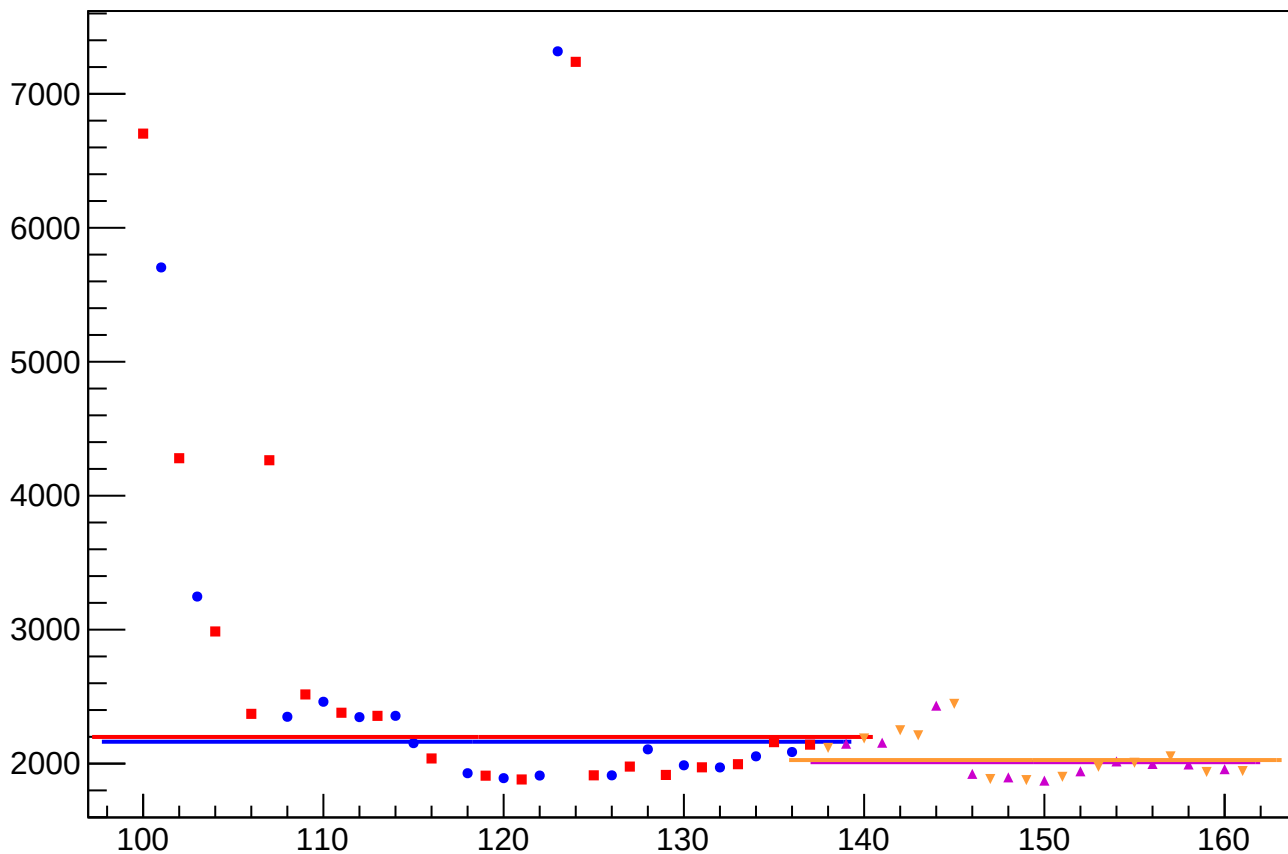
Left In: 2177.339 $\pm$ 674.359 χ^2 /NDF: 19.3/10

2481.349 $\pm$ 520.491 χ^2 /NDF: 29.7/29

2252.313 $\pm$ 371.042 χ^2 /NDF: 70.0/59

2015.656 $\pm$ 529.079 χ^2 /NDF: 39.9/29

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2163.303 $\pm$ 0.610 χ^2/NDF : 709584.4/16

Left Out: 2026.506 $\pm$ 0.461 χ^2/NDF : 107067.3/12

Right Out: 2199.003 $\pm$ 0.603 χ^2/NDF : 803297.2/18

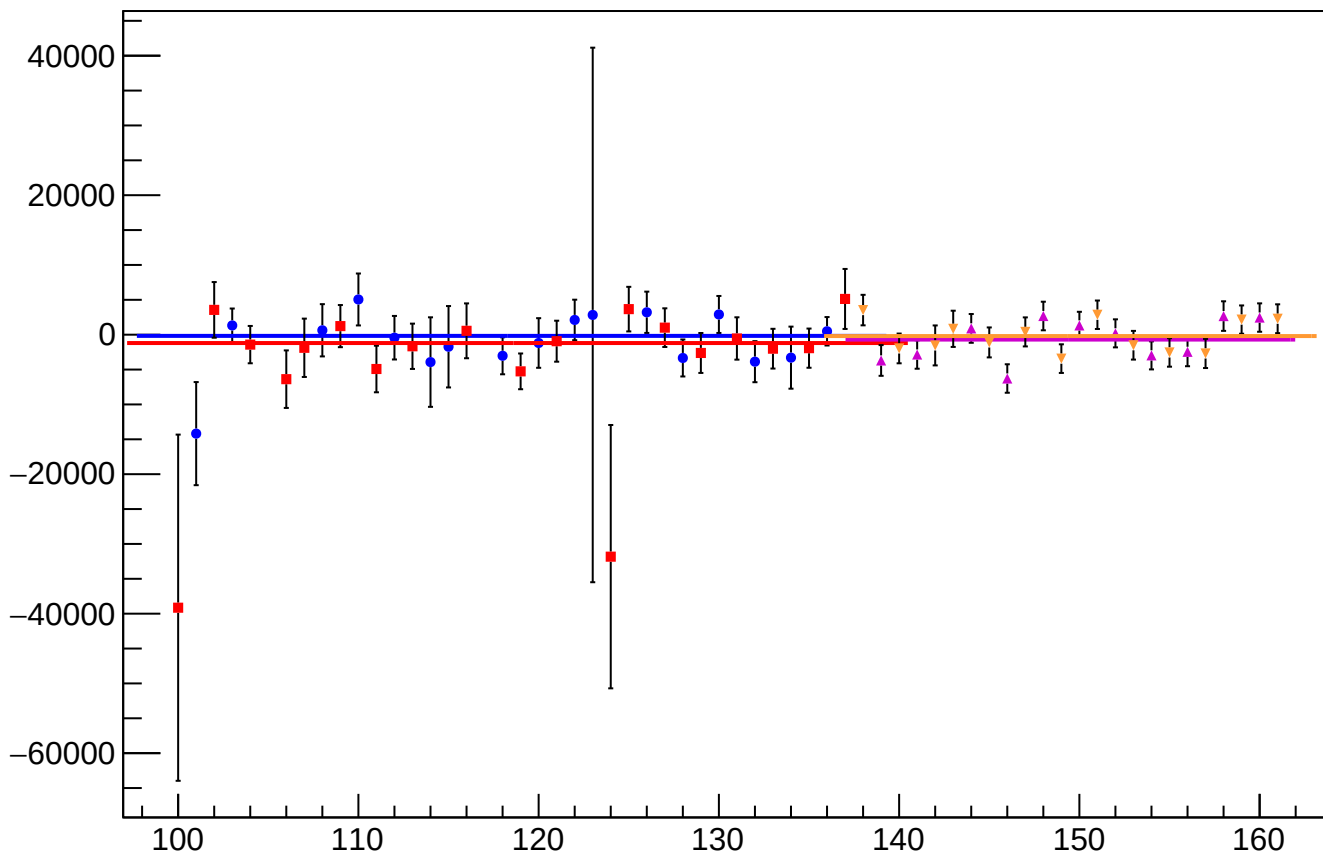
Left In: 2010.584 $\pm$ 0.477 χ^2/NDF : 86442.8/10

2076.243 $\pm$ 0.368 χ^2/NDF : 848618.7/29

2079.578 $\pm$ 0.262 χ^2/NDF : 1798552.4/59

2083.023 $\pm$ 0.374 χ^2/NDF : 949766.9/29

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

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

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

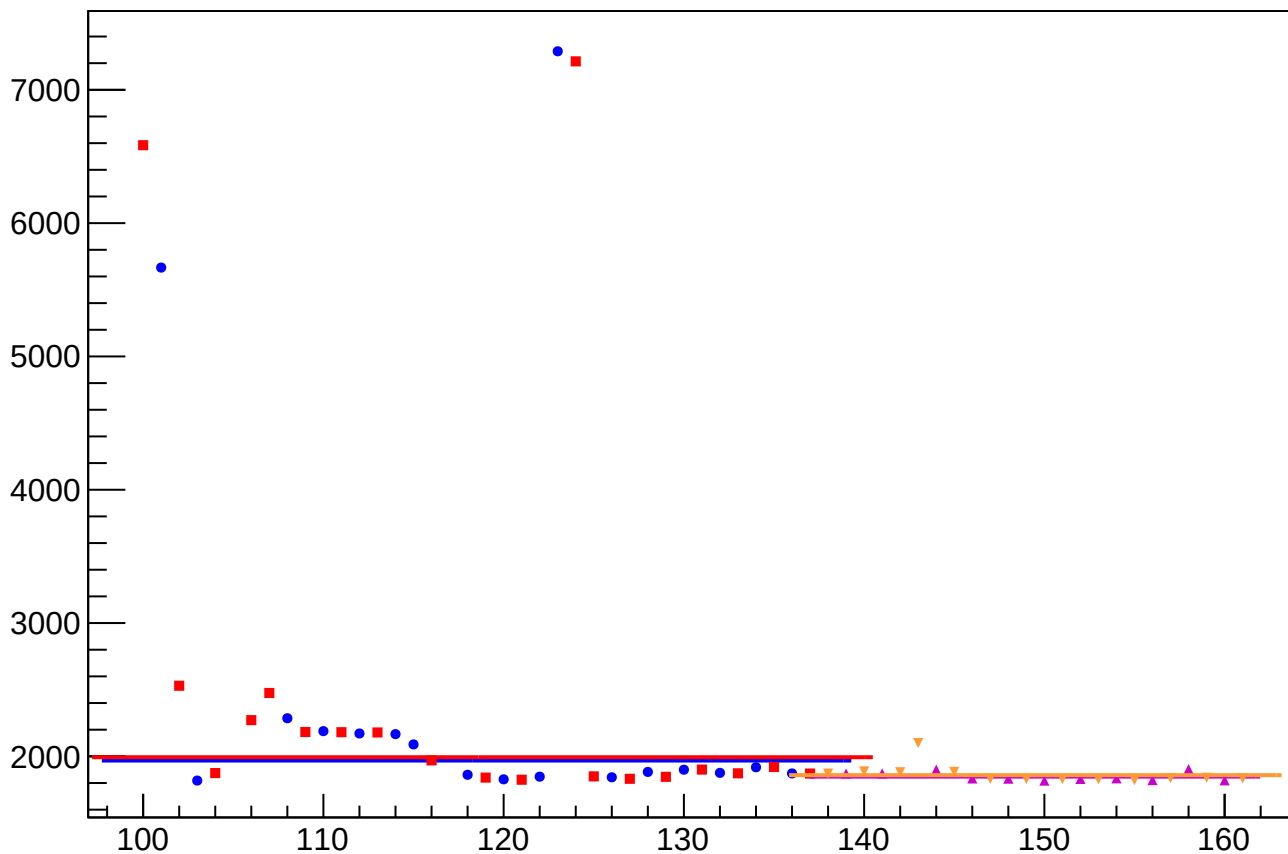
Left In: -700.620+/-618.436 χ^2/NDF : 21.9/10

-187.320+/-474.590 χ^2/NDF : 29.4/29

-537.707+/-337.743 χ^2/NDF : 70.9/59

-897.253+/-480.752 χ^2/NDF : 40.4/29

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

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

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

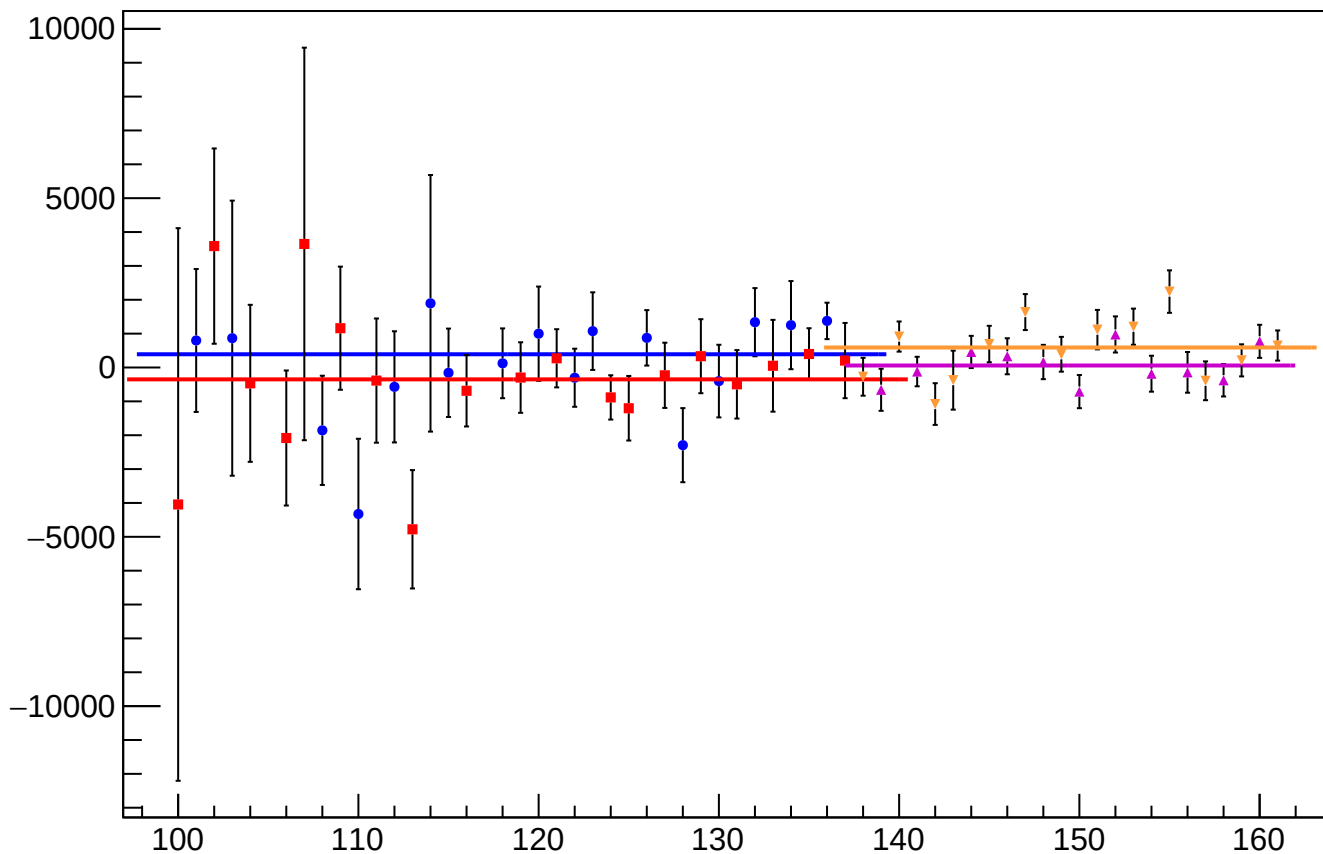
Left In: 1848.099+/-0.437 χ^2/NDF : 4817.4/10

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

1902.439+/-0.239 χ^2/NDF : 1053644.2/59

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

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923 ± 270.128 $\chi^2/\text{NDF}: 20.0/16$

Left Out: 590.497 ± 149.876 $\chi^2/\text{NDF}: 28.2/12$

Right Out: -350.642 ± 266.097 $\chi^2/\text{NDF}: 14.2/18$

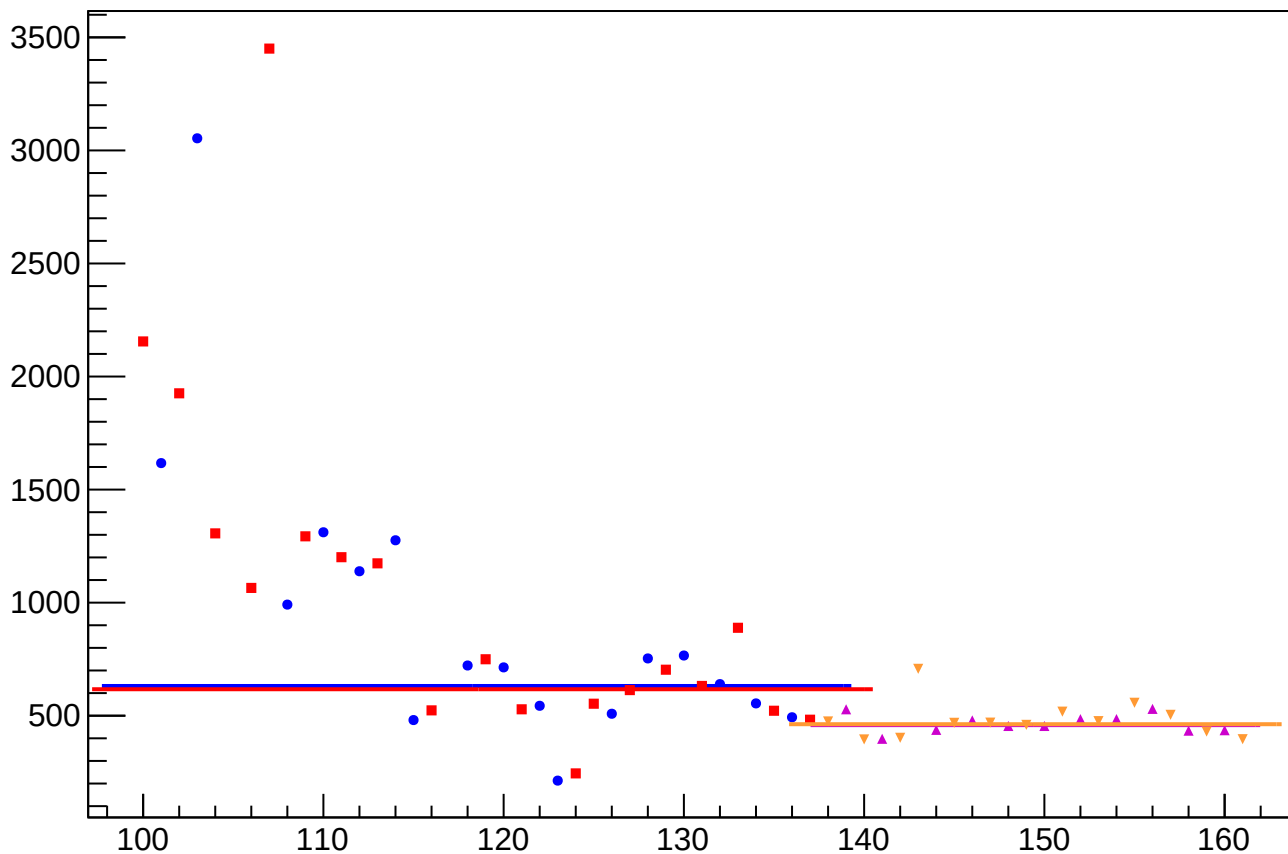
Left In: 59.197 ± 153.807 $\chi^2/\text{NDF}: 11.2/10$

543.521 ± 131.055 $\chi^2/\text{NDF}: 48.7/29$

254.723 ± 93.406 $\chi^2/\text{NDF}: 85.8/59$

-43.439 ± 133.163 $\chi^2/\text{NDF}: 27.3/29$

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 462.386 $\pm$ 0.106 χ^2 /NDF: 353834.6/12

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

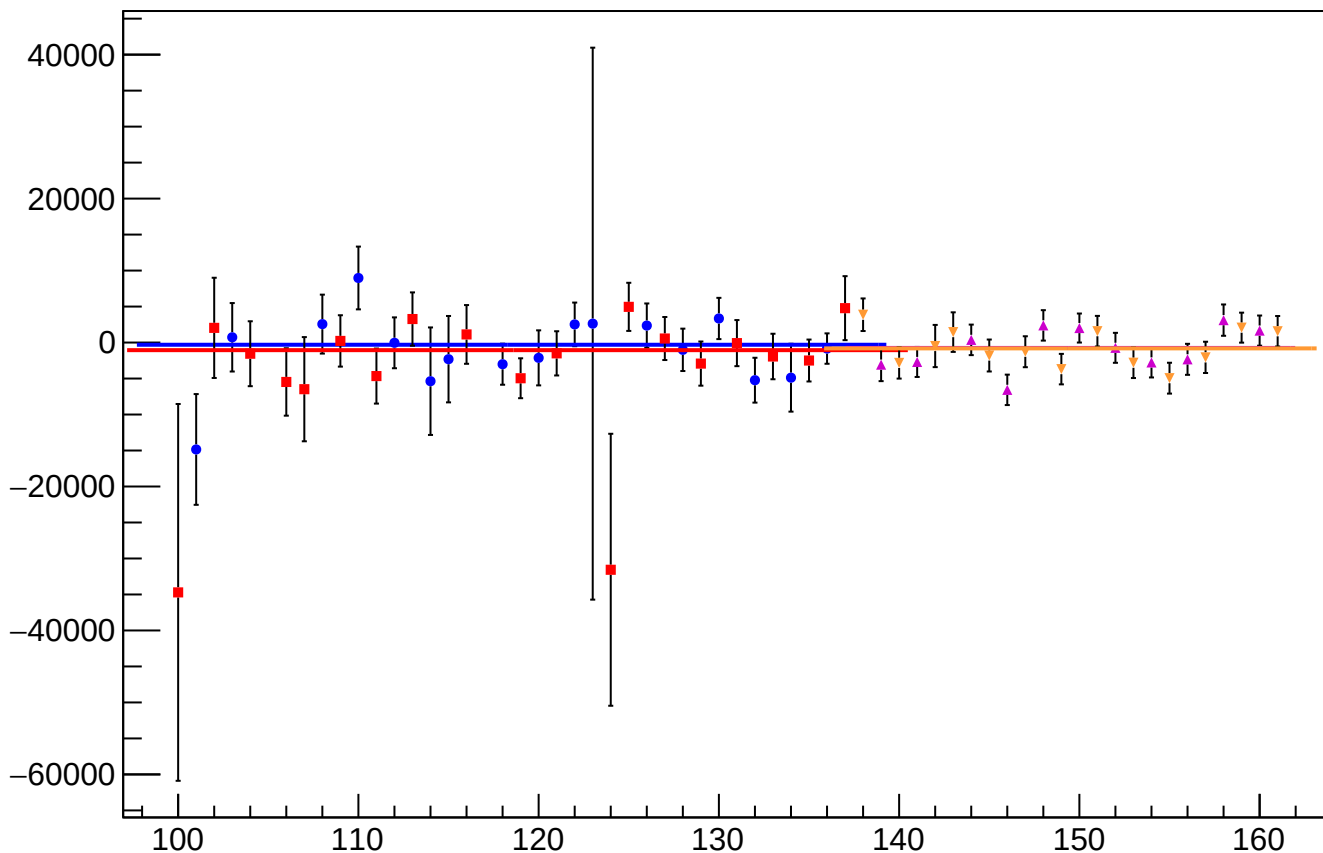
Left In: 458.337 $\pm$ 0.109 χ^2 /NDF: 119246.4/10

502.175 $\pm$ 0.093 χ^2 /NDF: 3213401.4/29

500.160 $\pm$ 0.066 χ^2 /NDF: 6668981.1/59

498.080 $\pm$ 0.094 χ^2 /NDF: 3454618.9/29

asym_at1_dd_mean vs Slug, Sign Corrected



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

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

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

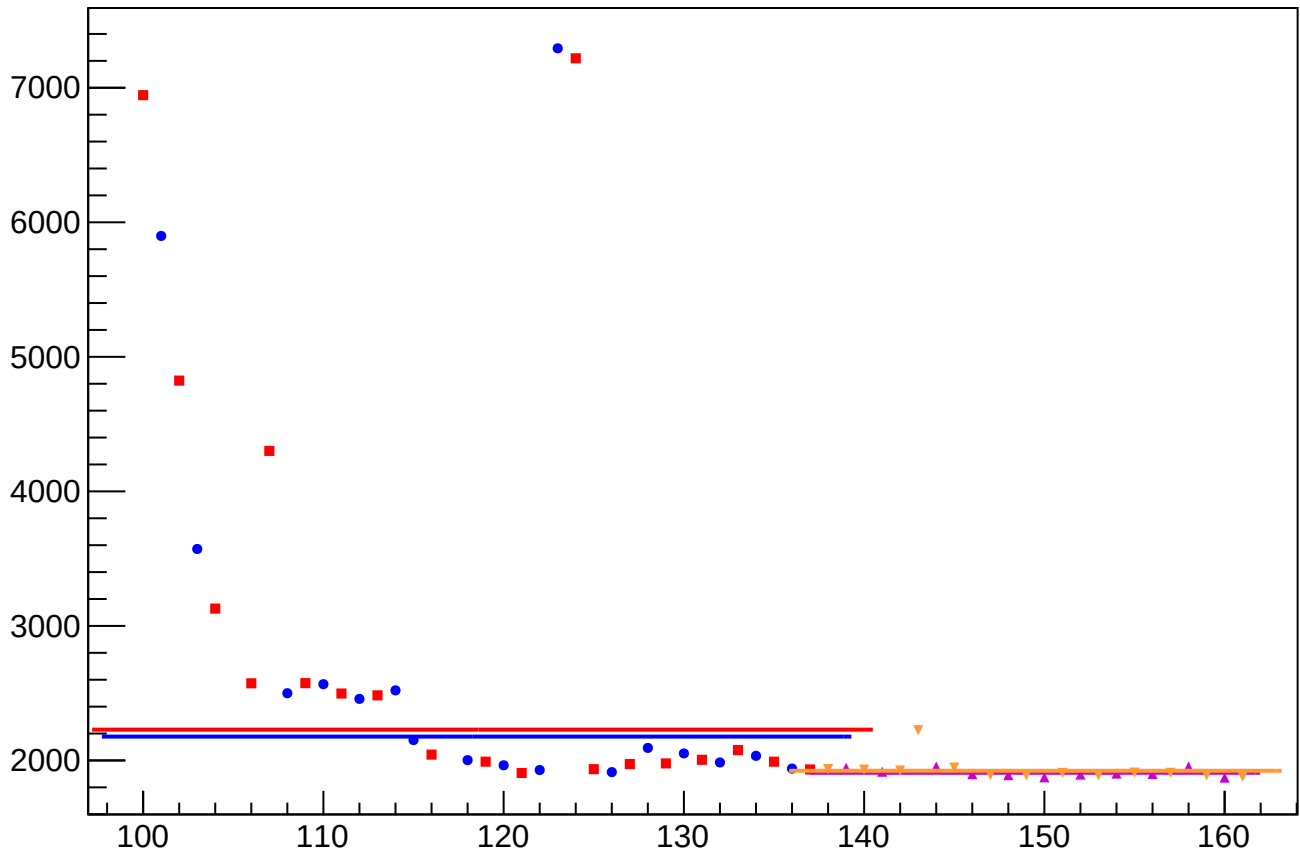
Left In: -748.447+/-638.569 χ^2/NDF : 19.8/10

-642.238+/-504.008 χ^2/NDF : 34.7/29

-747.380+/-359.955 χ^2/NDF : 71.3/59

-856.839+/-514.254 χ^2/NDF : 36.5/29

asym_at1_dd_rms vs Slug, Sign Corrected



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

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

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

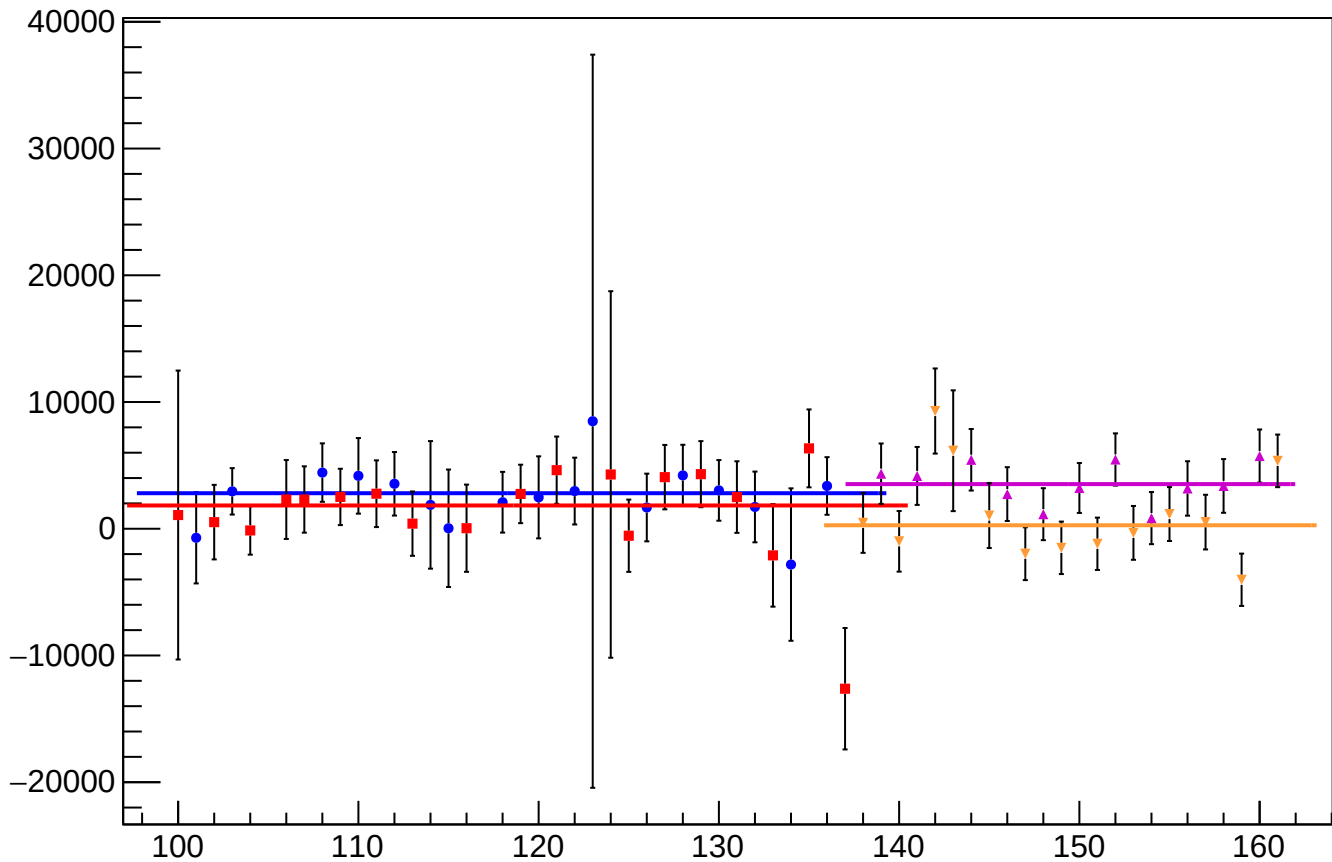
Left In: 1908.528 +/- 0.452 χ^2/NDF : 3886.2/10

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

2014.598 +/- 0.255 χ^2/NDF : 2020730.4/59

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

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

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

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

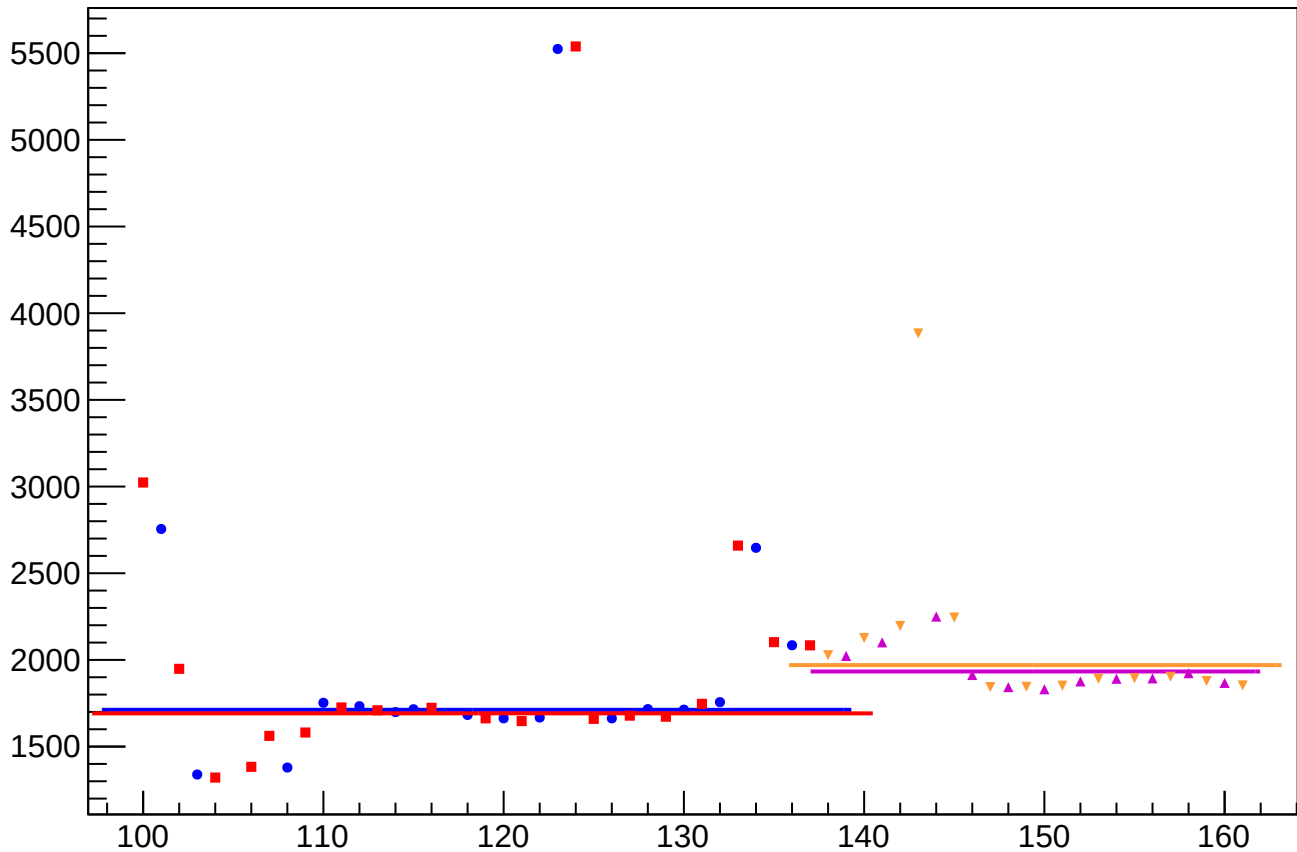
Left In: 3522.058 ± 646.198 χ^2/NDF : 6.1/10

1459.948 ± 464.555 χ^2/NDF : 33.4/29

2081.585 ± 326.910 χ^2/NDF : 64.4/59

2691.404 ± 460.118 χ^2/NDF : 27.5/29

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

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

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

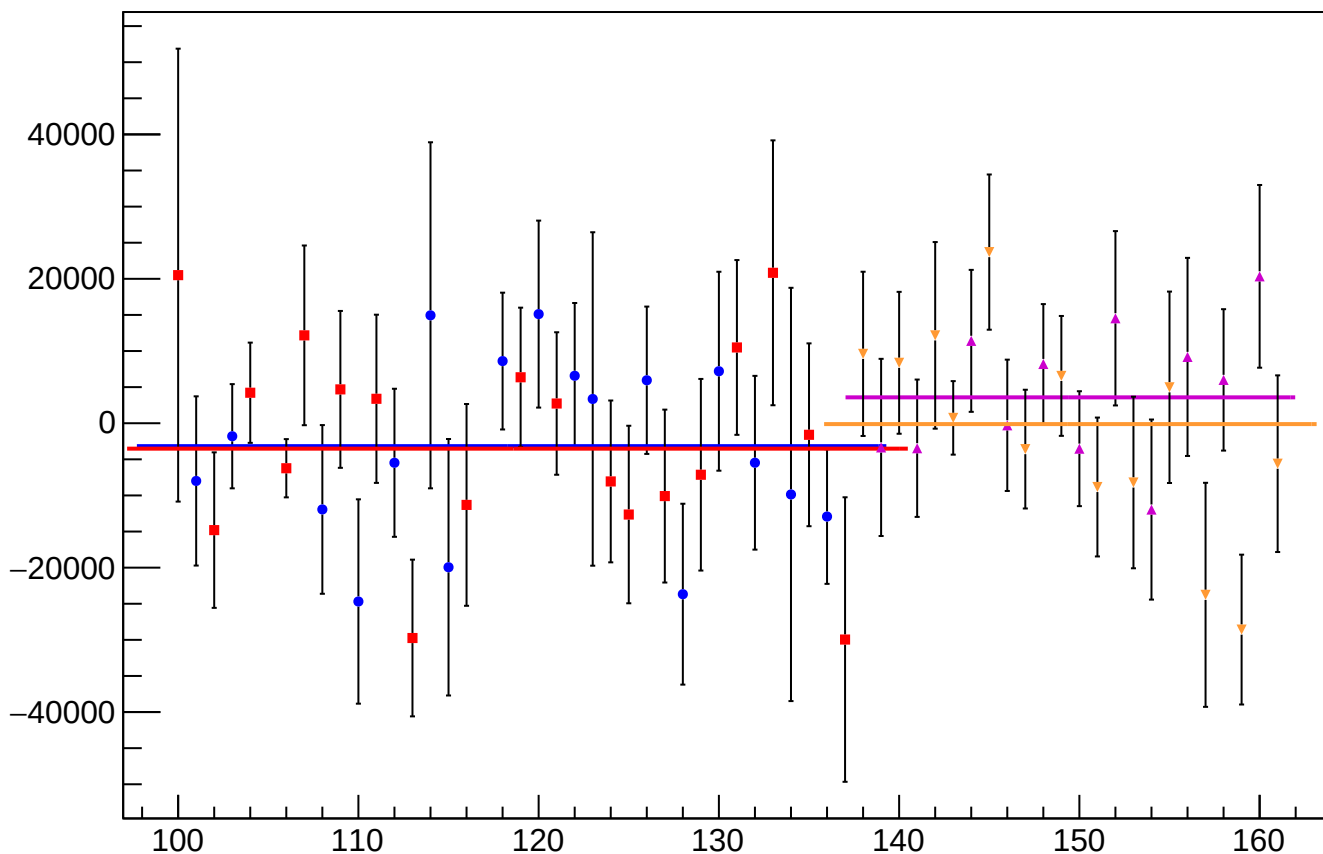
Left In: 1933.273+/-0.457 χ^2/NDF : 62216.4/10

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

1831.512+/-0.231 χ^2/NDF : 1649442.0/59

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

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -119.176+/-2632.282 χ^2/NDF : 19.6/12

Right Out: -3520.105+/-2266.532 χ^2/NDF : 19.5/18

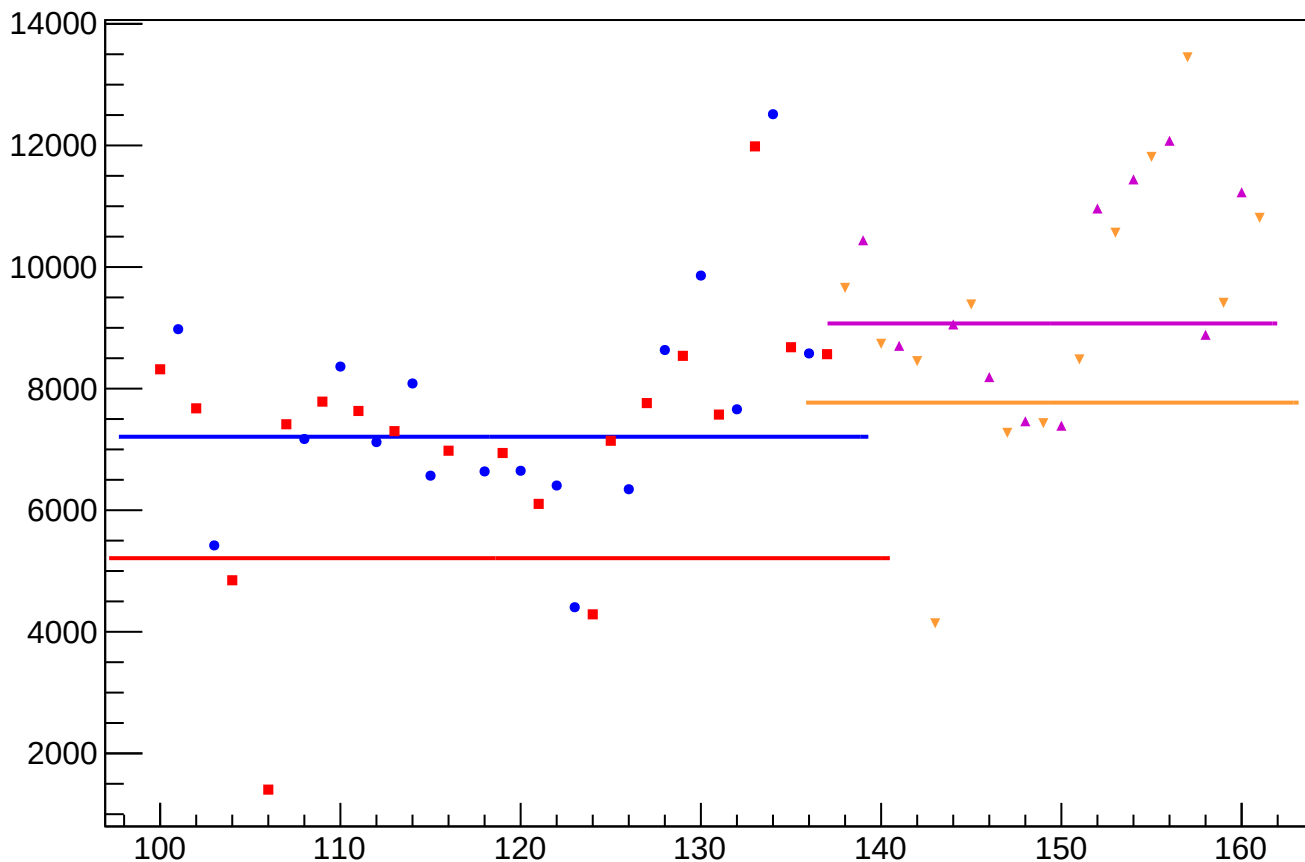
Left In: 3584.245+/-3075.000 χ^2/NDF : 7.1/10

-1524.060+/-1934.317 χ^2/NDF : 34.6/29

-1256.851+/-1327.232 χ^2/NDF : 64.8/59

-1019.128+/-1824.474 χ^2/NDF : 30.1/29

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 7769.929 $\pm$ 1.861 χ^2 /NDF:1901516.1/12

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

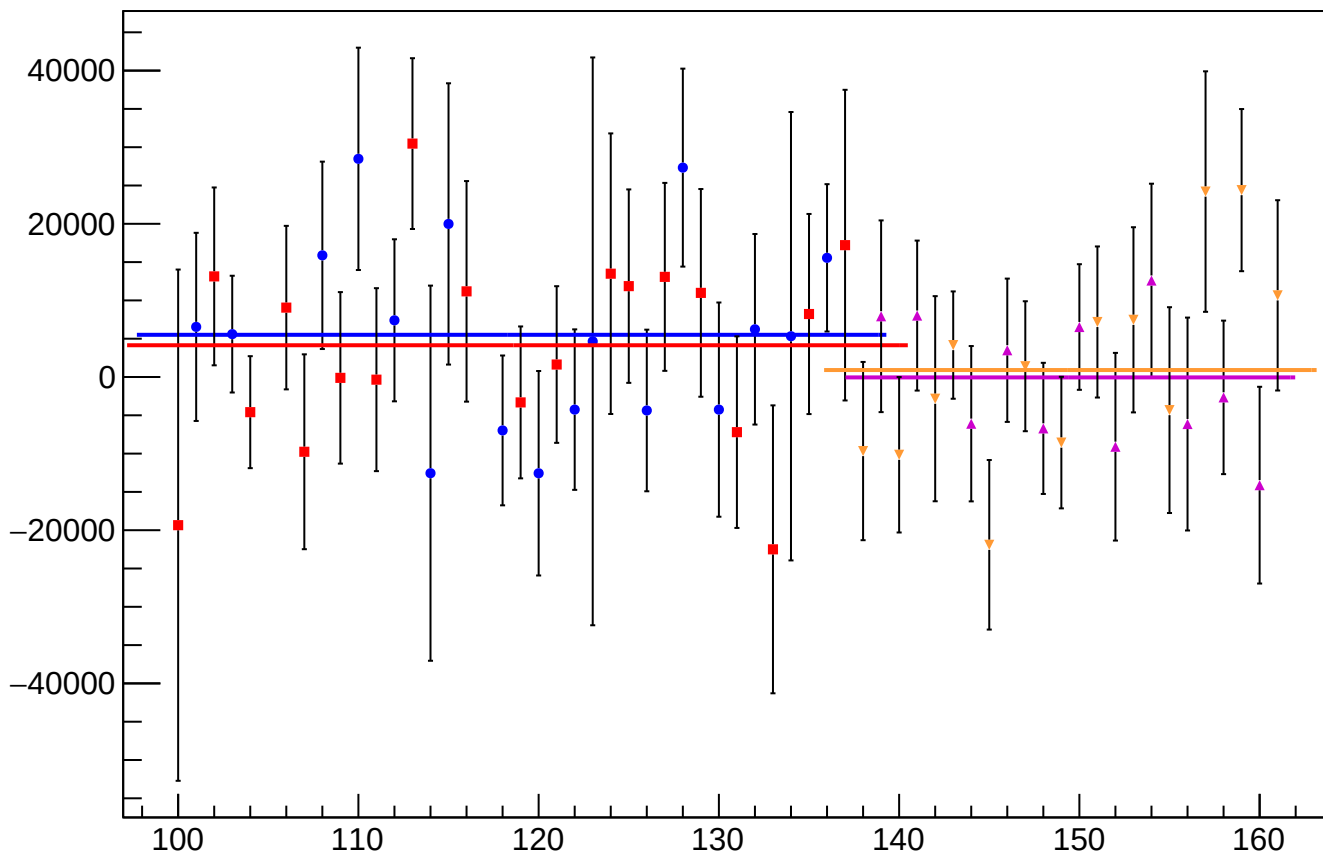
Left In: 9071.782 $\pm$ 2.174 χ^2 /NDF:487455.3/10

7511.700 $\pm$ 1.368 χ^2 /NDF: 2412660.1/29

7013.487 $\pm$ 0.938 χ^2 /NDF: 8390384.2/59

6570.250 $\pm$ 1.290 χ^2 /NDF: 5727004.6/29

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 ± 2971.033 χ^2/NDF : 14.1/16

Left Out: 909.492 ± 2877.191 χ^2/NDF : 16.4/12

Right Out: 4146.067 ± 2790.212 χ^2/NDF : 15.4/18

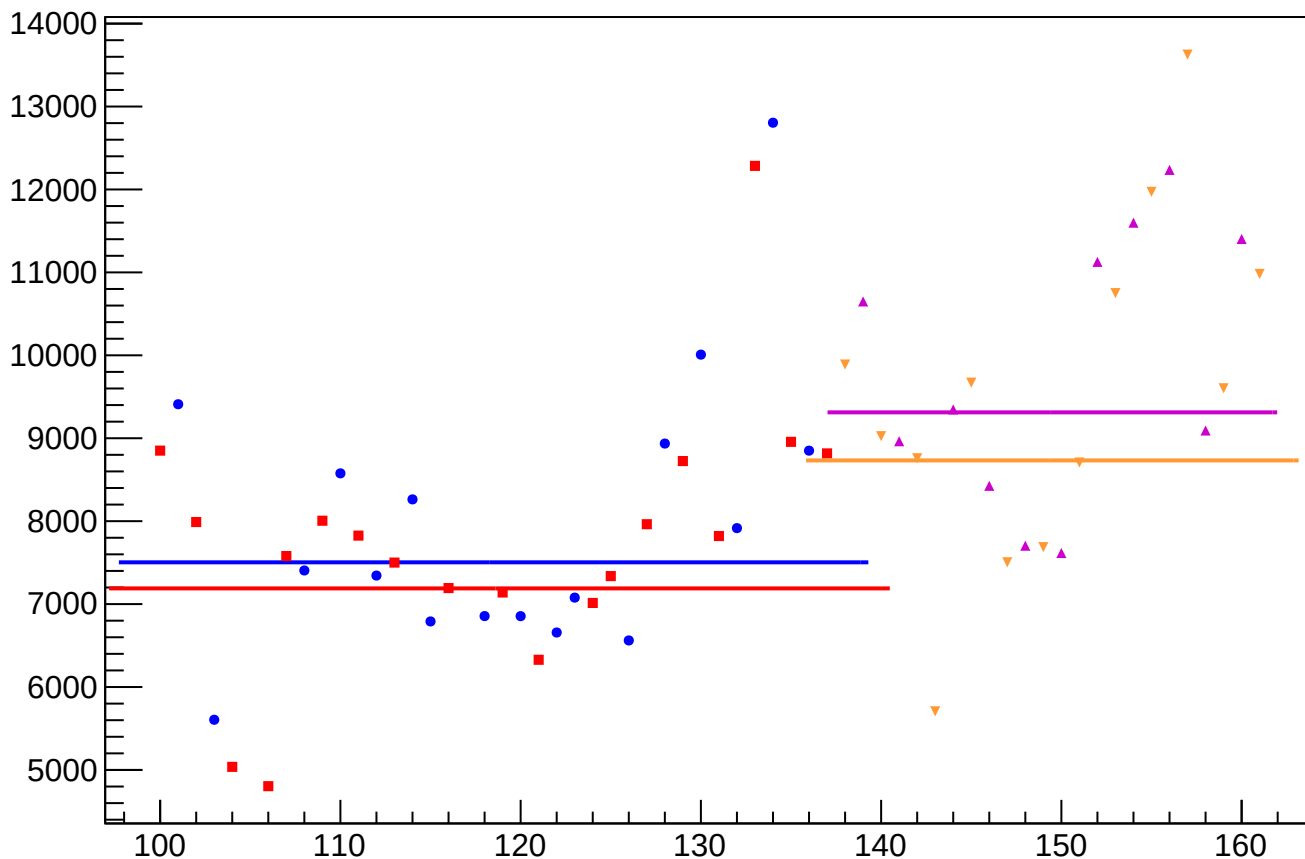
Left In: -52.382 ± 3152.555 χ^2/NDF : 5.8/10

3135.651 ± 2066.861 χ^2/NDF : 31.7/29

2723.287 ± 1469.393 χ^2/NDF : 54.0/59

2301.883 ± 2089.395 χ^2/NDF : 22.3/29

asym_at2_avg_rms vs Slug, Sign Corrected



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

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

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

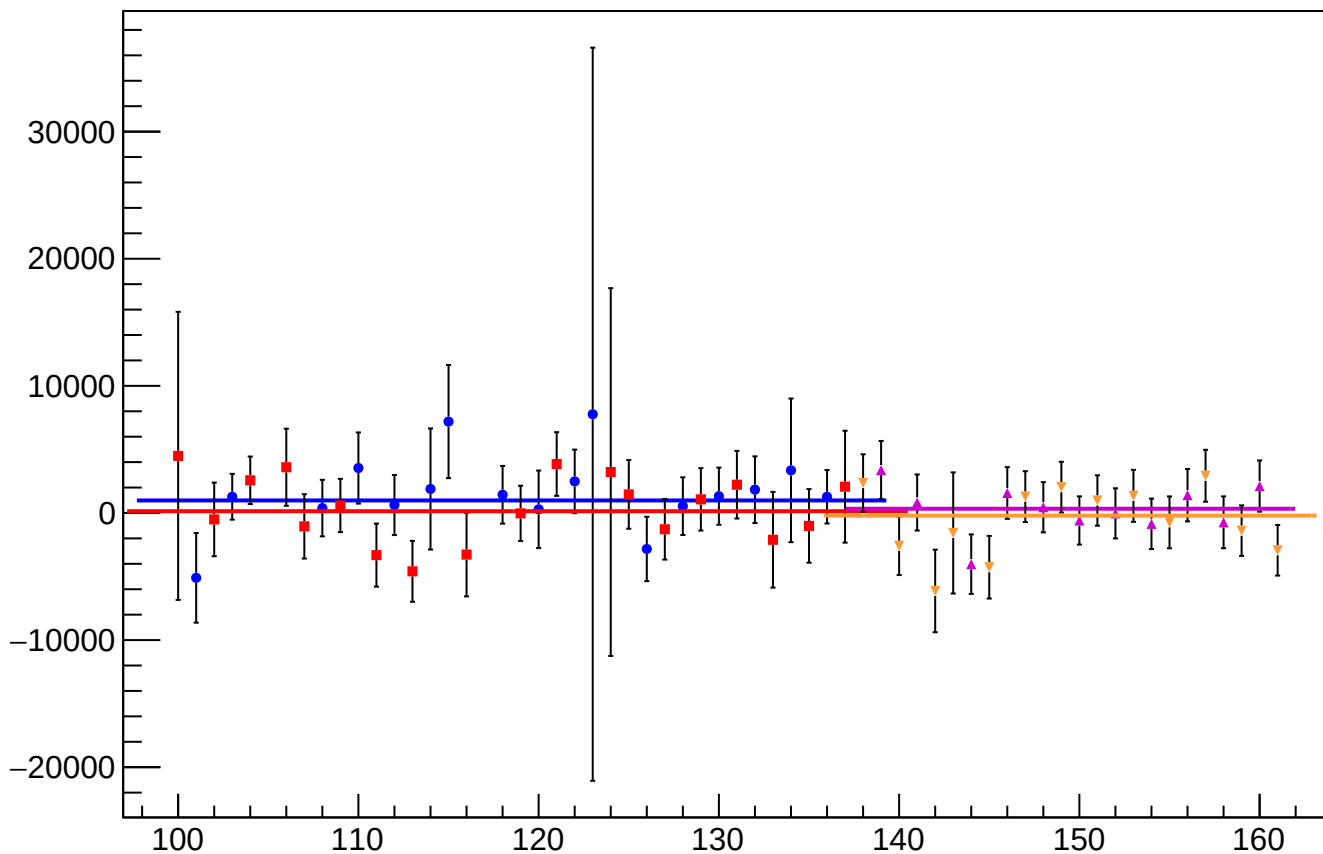
Left In: 9312.153+/-2.229 χ^2 /NDF: 451342.9/10

8137.794+/-1.461 χ^2 /NDF: 1529631.9/29

8129.783+/-1.039 χ^2 /NDF: 3047352.6/59

8121.598+/-1.477 χ^2 /NDF: 1517660.0/29

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

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

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

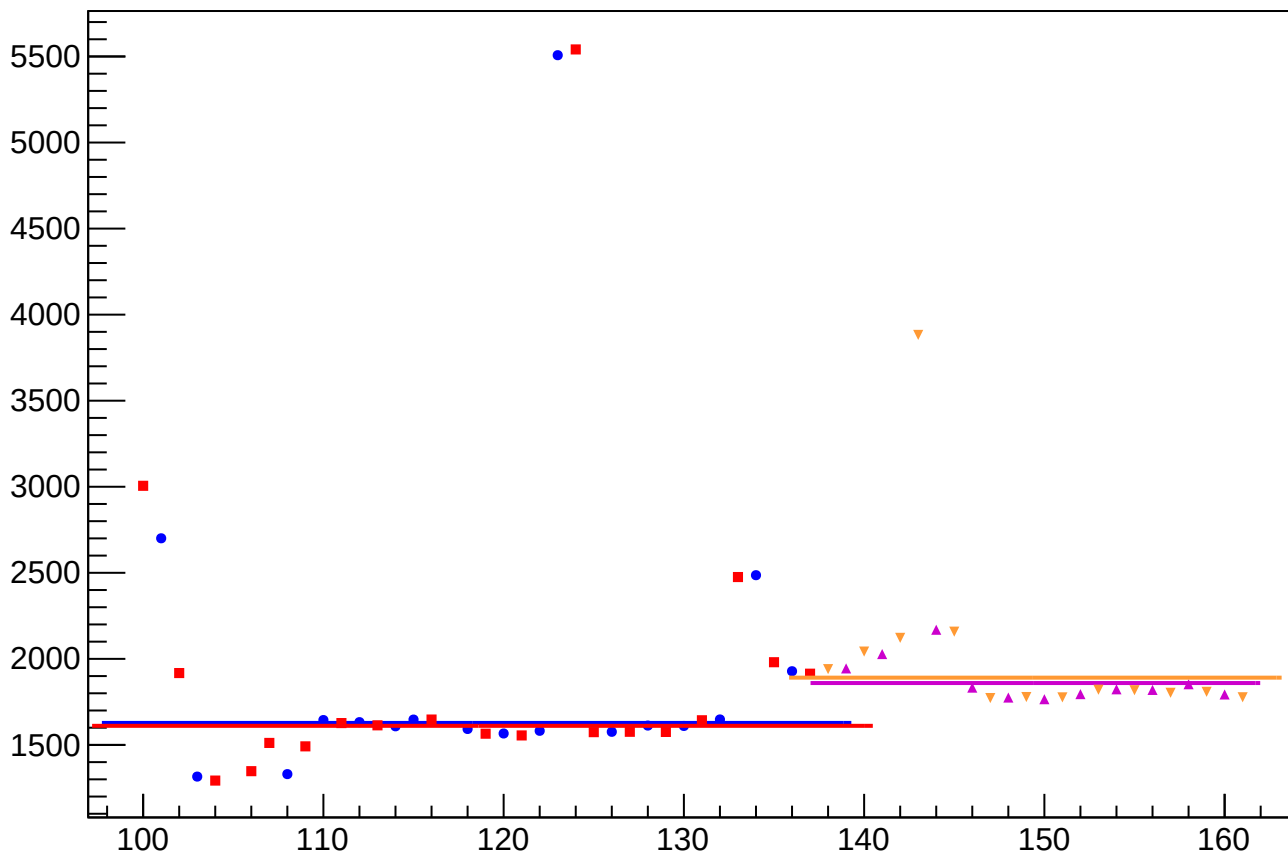
Left In: 333.244±/-621.582 χ^2/NDF : 7.6/10

359.026±/-443.911 χ^2/NDF : 26.7/29

297.122±/-312.580 χ^2/NDF : 49.1/59

236.244±/-440.221 χ^2/NDF : 22.3/29

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836 ± 0.456 $\chi^2/\text{NDF}: 407106.6/16$

Left Out: 1890.846 ± 0.433 $\chi^2/\text{NDF}: 431448.7/12$

Right Out: 1610.948 ± 0.441 $\chi^2/\text{NDF}: 433960.8/18$

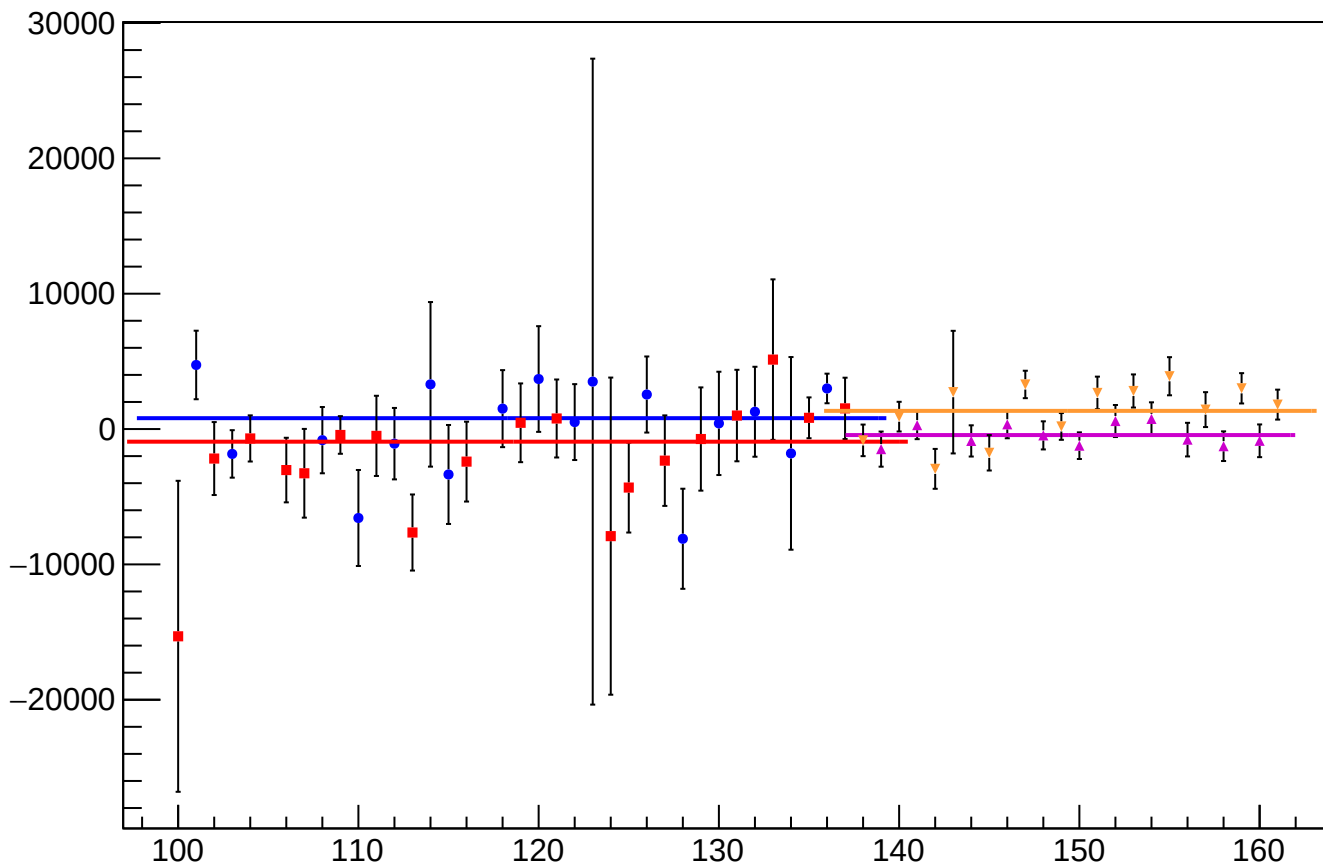
Left In: 1859.536 ± 0.440 $\chi^2/\text{NDF}: 64019.3/10$

1766.124 ± 0.314 $\chi^2/\text{NDF}: 1013606.2/29$

1750.752 ± 0.221 $\chi^2/\text{NDF}: 1675777.5/59$

1735.636 ± 0.311 $\chi^2/\text{NDF}: 657414.9/29$

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 1343.085 ± 338.334 $\chi^2/\text{NDF}: 31.2/12$

Right Out: -933.645 ± 589.727 $\chi^2/\text{NDF}: 15.3/18$

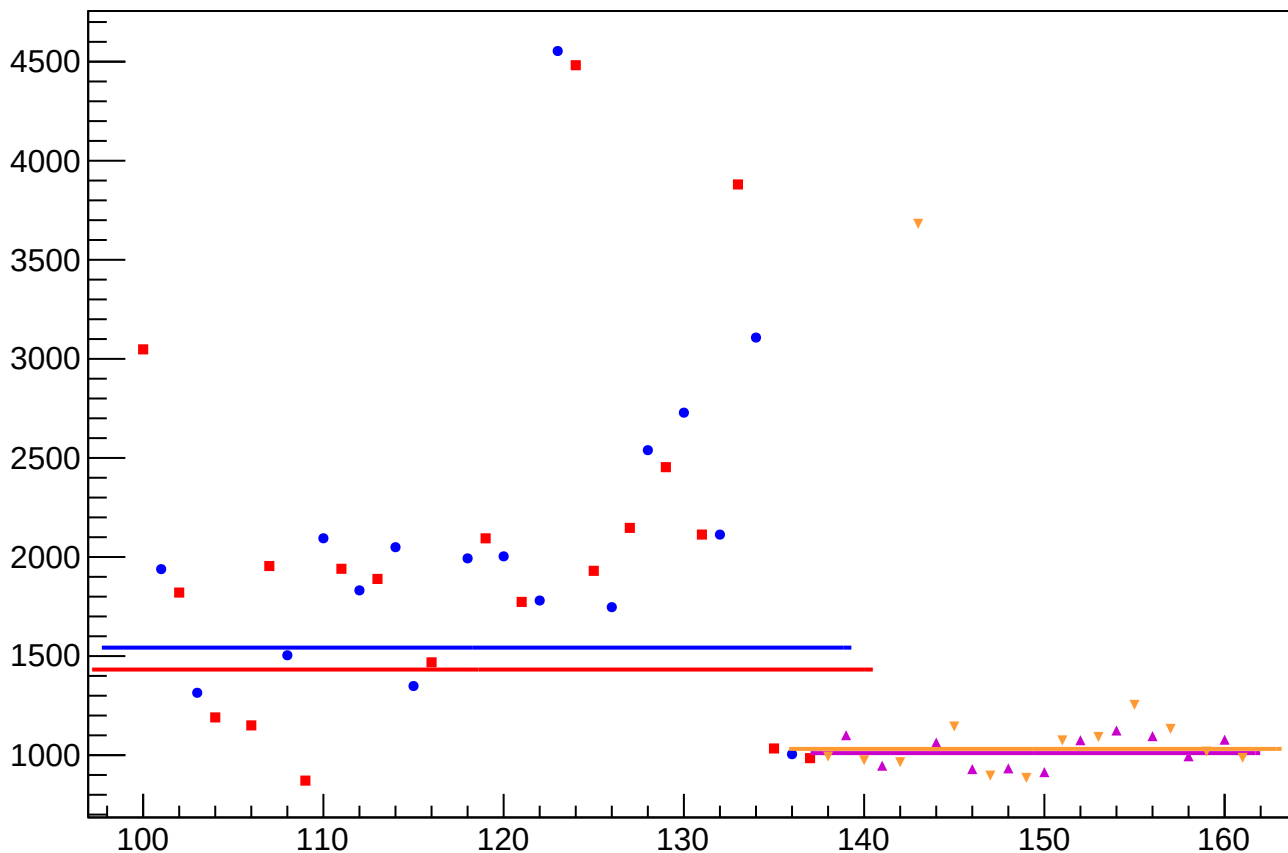
Left In: -444.655 ± 338.530 $\chi^2/\text{NDF}: 5.0/10$

1222.696 ± 298.247 $\chi^2/\text{NDF}: 54.2/29$

314.364 ± 209.228 $\chi^2/\text{NDF}: 93.2/59$

-565.853 ± 293.595 $\chi^2/\text{NDF}: 20.8/29$

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

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

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

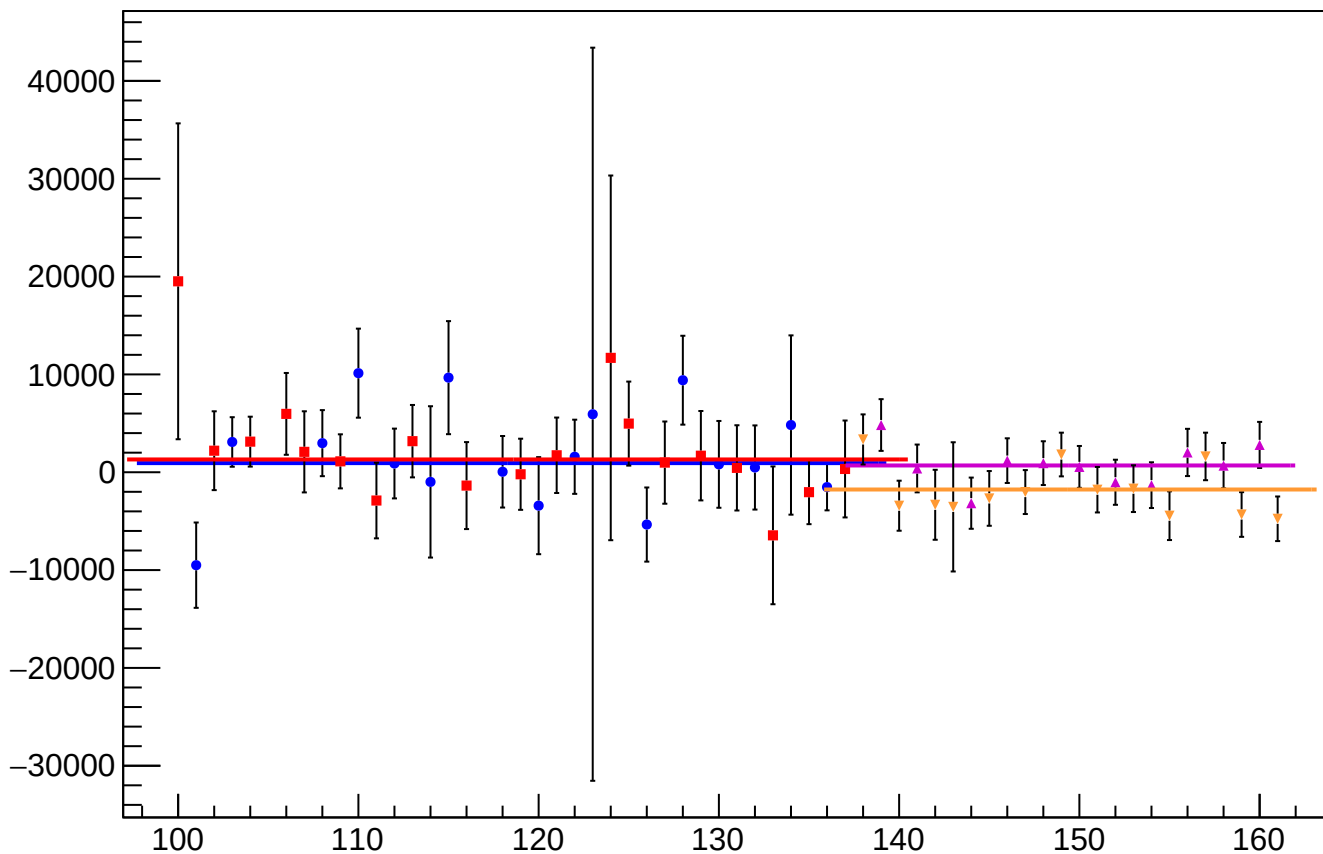
Left In: 1010.255 $\pm$ 0.239 χ^2 /NDF: 103388.4/10

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

1129.951 $\pm$ 0.148 χ^2 /NDF: 5876404.3/59

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

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -1764.419 $\pm$ 705.578 χ^2/NDF : 13.4/12

Right Out: 1307.802 $\pm$ 925.415 χ^2/NDF : 8.5/18

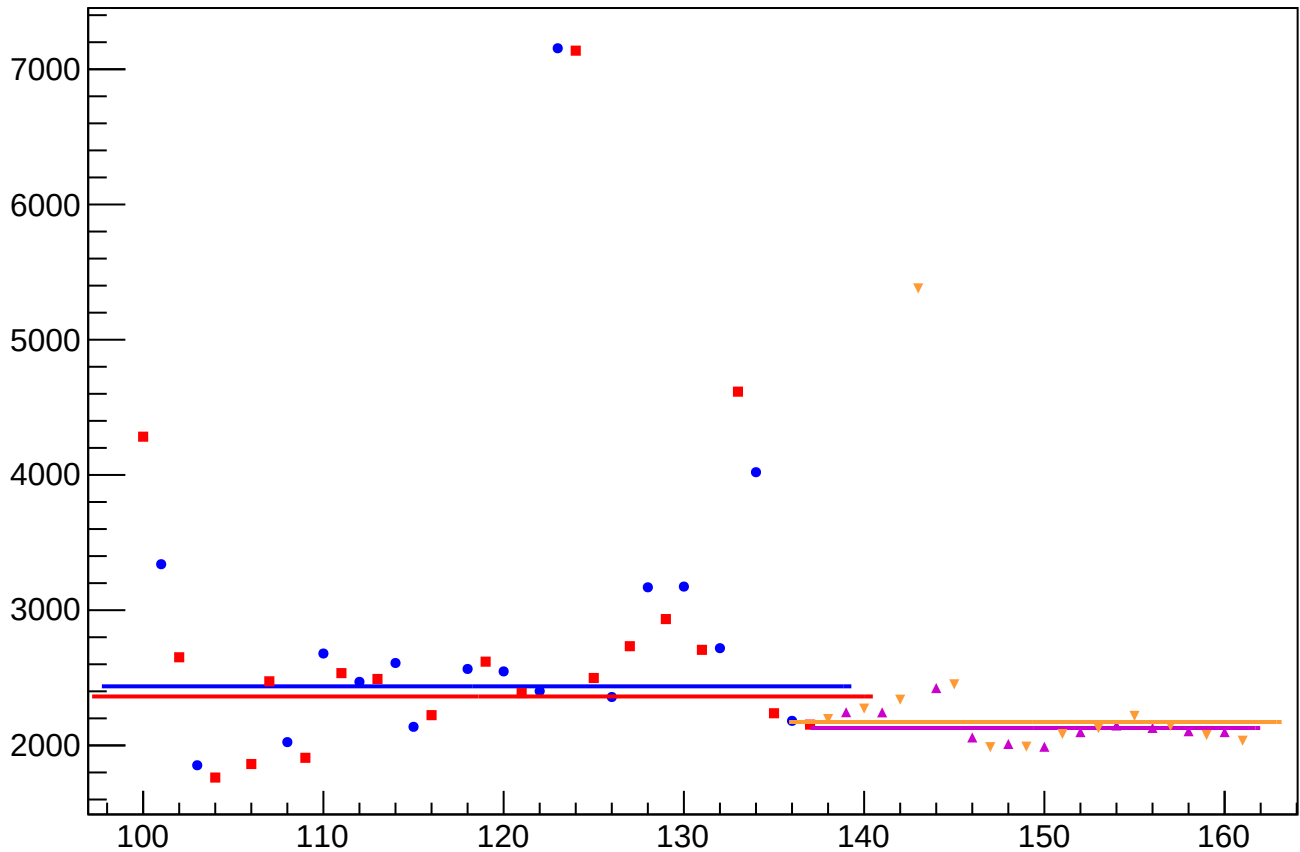
Left In: 692.777 $\pm$ 711.310 χ^2/NDF : 7.1/10

-828.512 $\pm$ 570.172 χ^2/NDF : 40.1/29

55.917 $\pm$ 400.959 χ^2/NDF : 60.7/59

921.189 $\pm$ 563.963 χ^2/NDF : 15.9/29

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855 ± 0.684 $\chi^2/\text{NDF}: 469030.2/16$

Left Out: 2173.150 ± 0.499 $\chi^2/\text{NDF}: 541281.8/12$

Right Out: 2361.880 ± 0.654 $\chi^2/\text{NDF}: 655847.5/18$

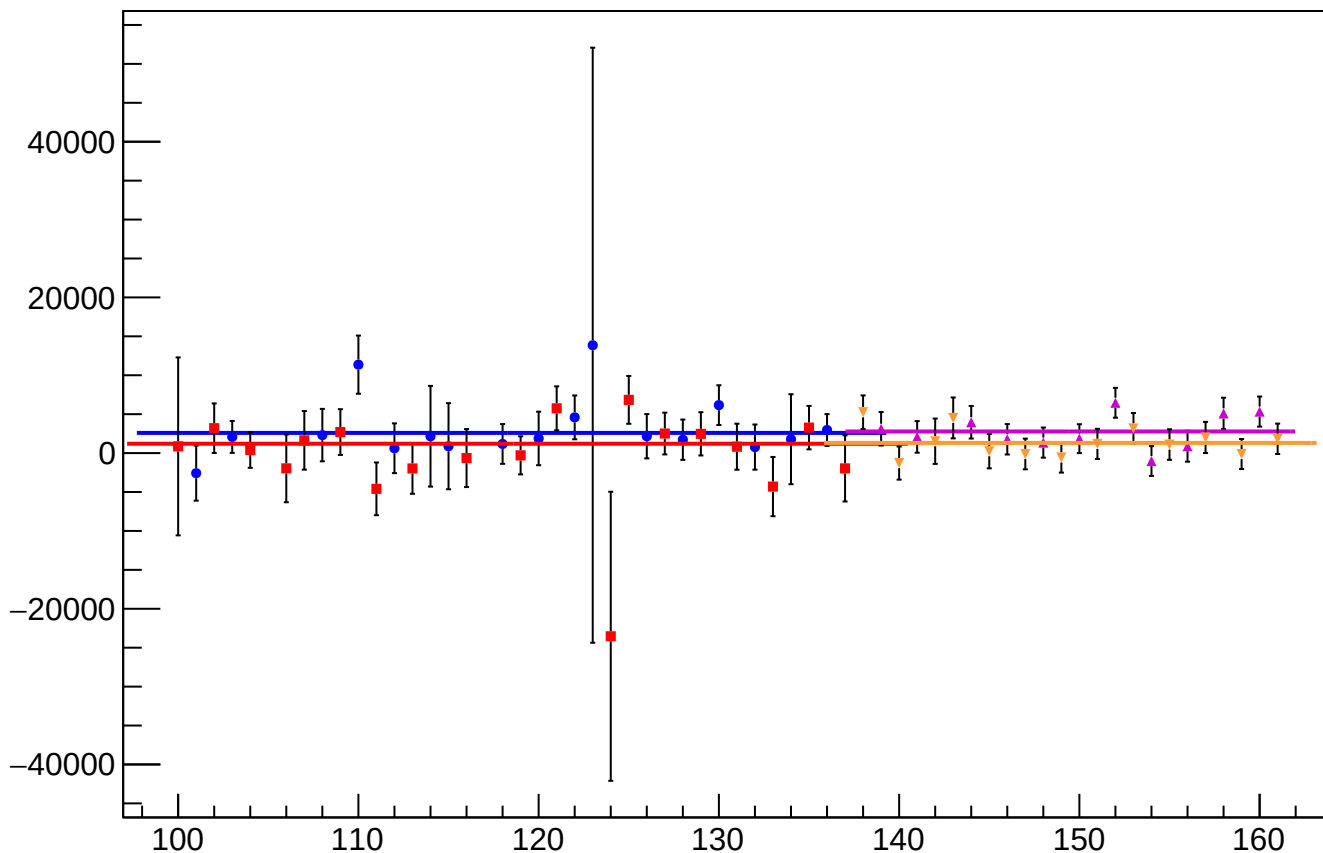
Left In: 2128.755 ± 0.503 $\chi^2/\text{NDF}: 50692.8/10$

2264.653 ± 0.403 $\chi^2/\text{NDF}: 1107249.3/29$

2239.724 ± 0.284 $\chi^2/\text{NDF}: 1901138.2/59$

2215.335 ± 0.399 $\chi^2/\text{NDF}: 786325.3/29$

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1310.749 $\pm$ 578.502 χ^2 /NDF: 9.6/12

Right Out: 1202.548 $\pm$ 739.618 χ^2 /NDF: 17.2/18

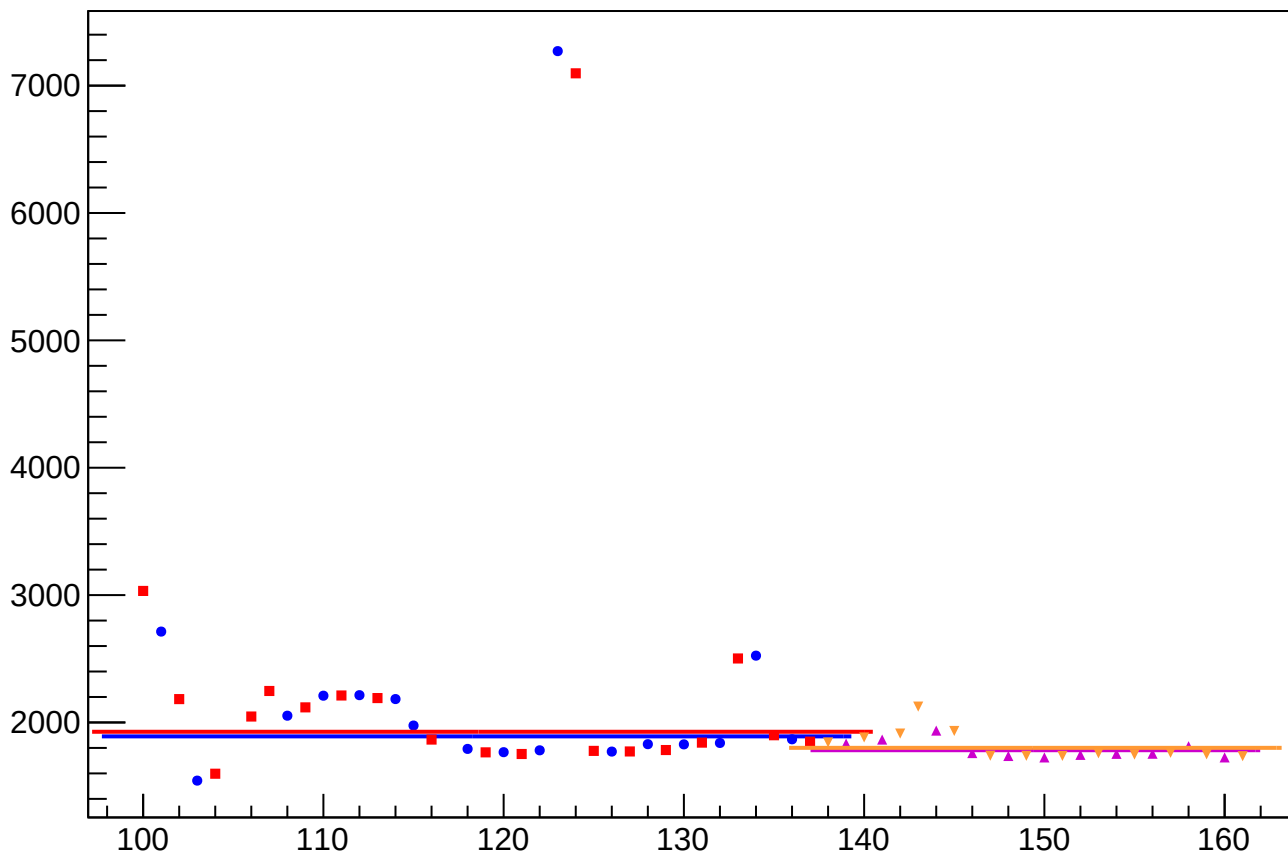
Left In: 2778.070 $\pm$ 595.992 χ^2 /NDF: 13.1/10

1795.333 $\pm$ 456.459 χ^2 /NDF: 23.2/29

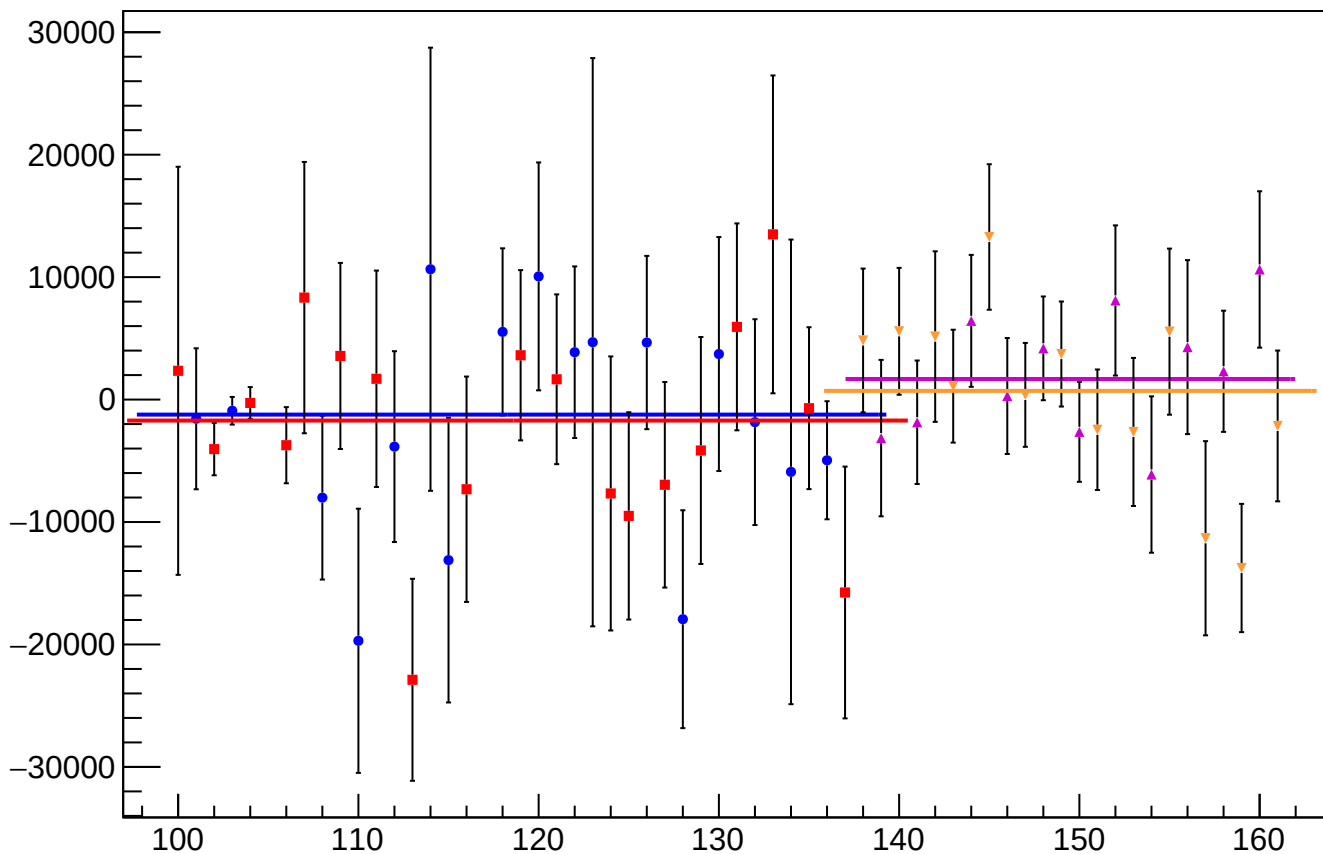
1973.567 $\pm$ 325.424 χ^2 /NDF: 56.6/59

2157.797 $\pm$ 464.073 χ^2 /NDF: 33.1/29

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 709.384 $\pm$ 1505.234 χ^2 /NDF: 18.1/12

Right Out: -1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

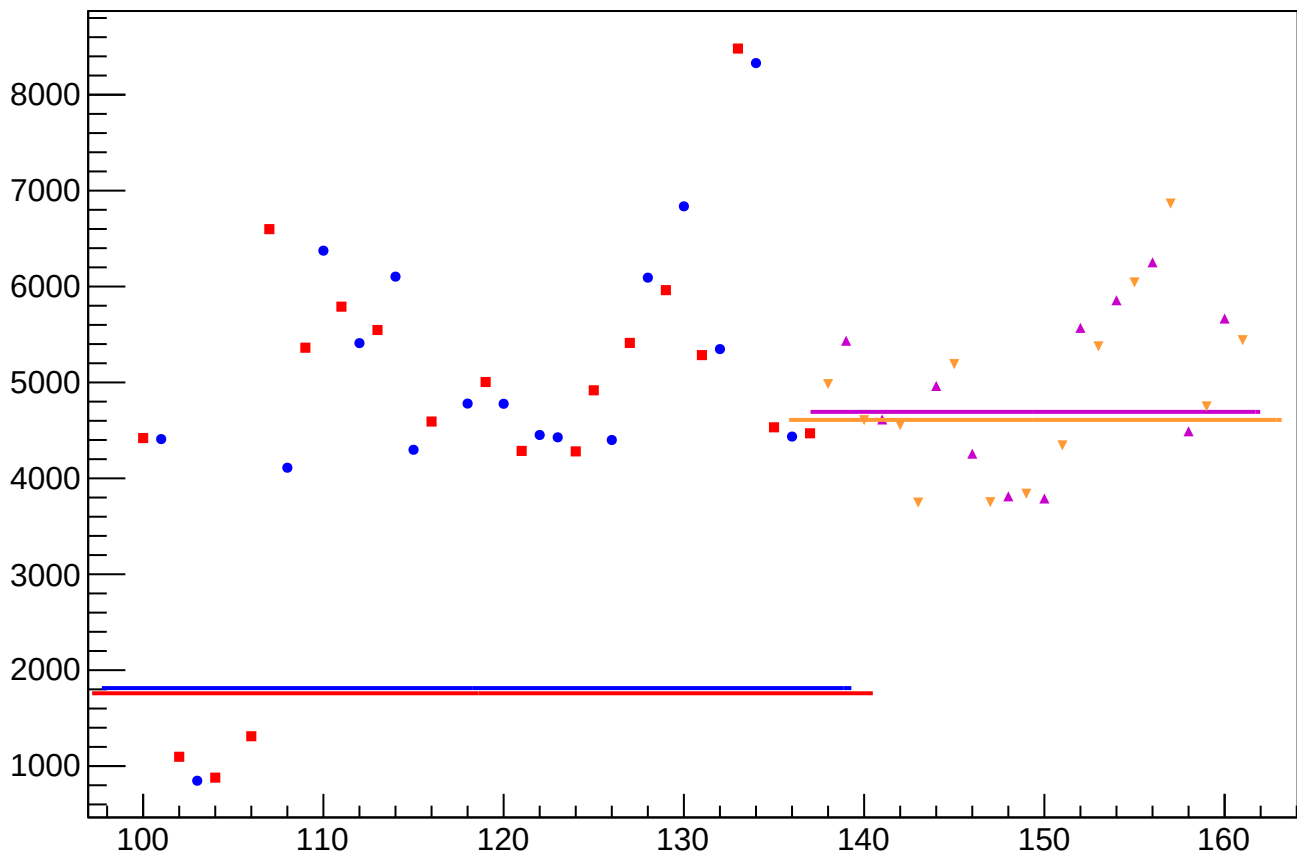
Left In: 1681.270 $\pm$ 1591.131 χ^2 /NDF: 8.1/10

-646.689 $\pm$ 823.980 χ^2 /NDF: 33.1/29

-740.752 $\pm$ 577.754 χ^2 /NDF: 62.4/59

-831.724 $\pm$ 810.327 χ^2 /NDF: 29.3/29

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



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

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

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

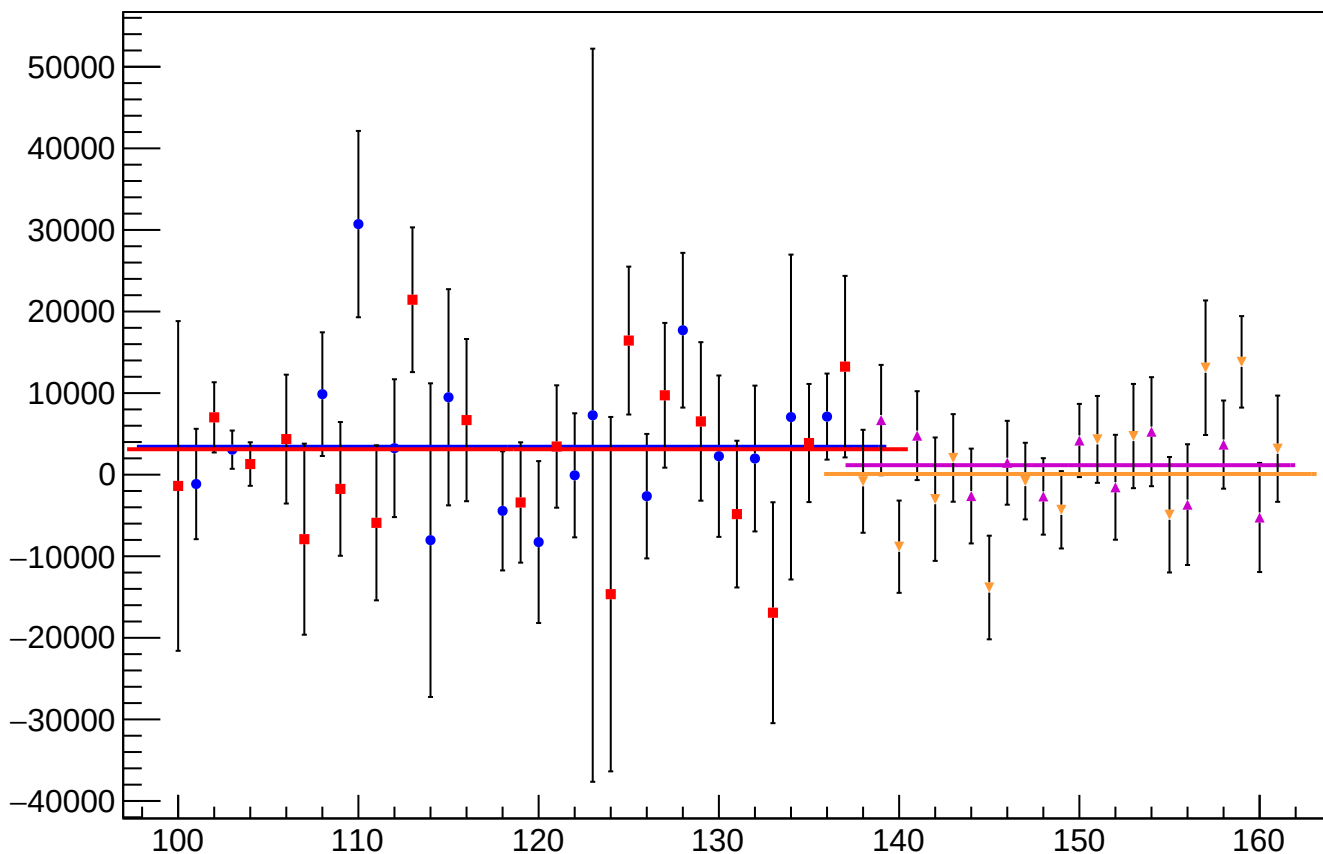
Left In: 4693.201+/-1.125 χ^2/NDF : 487205.2/10

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

2584.544+/-0.409 χ^2/NDF : 23716901.3/5

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

asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 80.630+/-1637.512 χ^2/NDF : 18.9/12

Right Out: 3117.857+/-1605.930 χ^2/NDF : 16.0/18

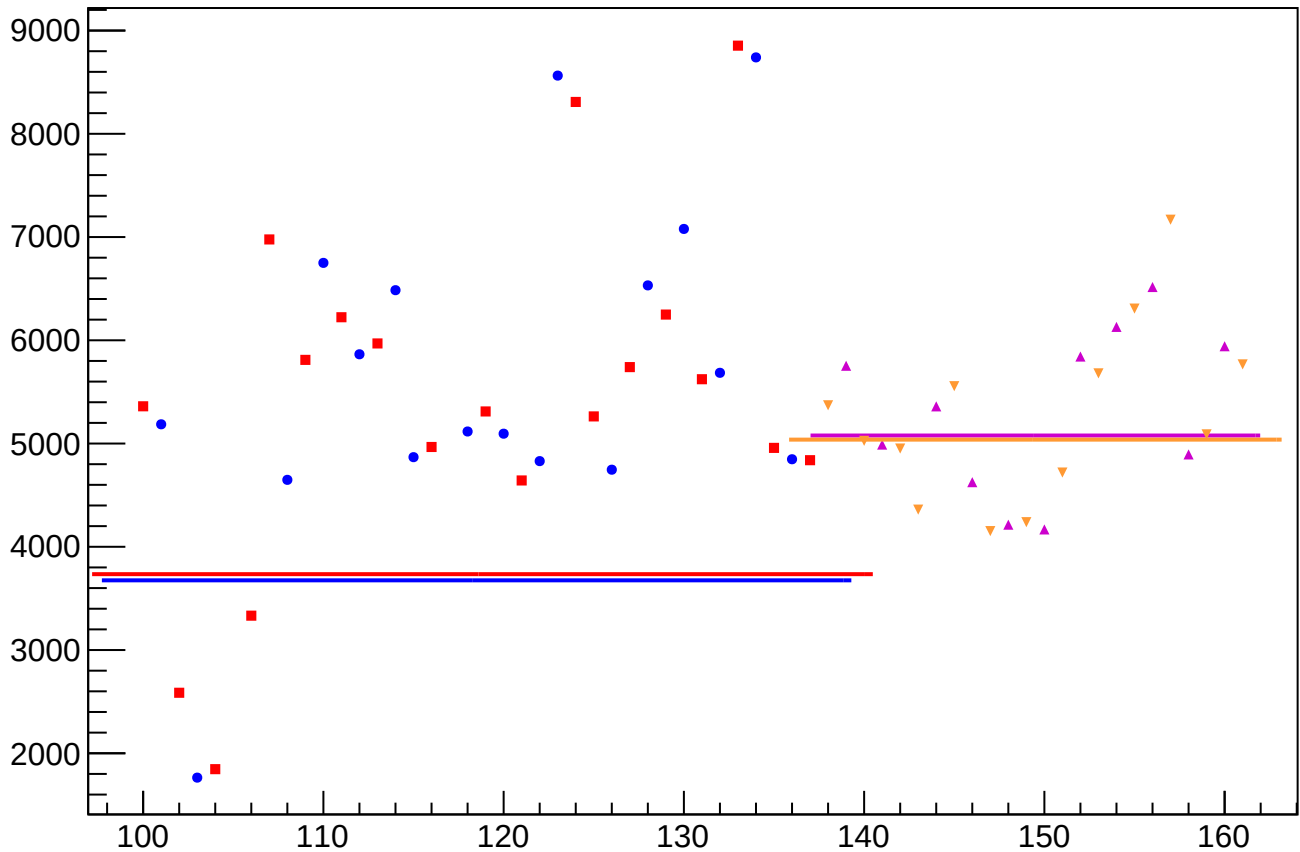
Left In: 1162.606+/-1715.832 χ^2/NDF : 4.8/10

1782.695+/-1146.839 χ^2/NDF : 34.7/29

1989.104+/-819.857 χ^2/NDF : 56.3/59

2204.851+/-1172.493 χ^2/NDF : 21.5/29

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2 /NDF: 2775085.7/16

Left Out: 5037.904 $\pm$ 1.158 χ^2 /NDF: 429357.2/12

Right Out: 3734.796 $\pm$ 1.128 χ^2 /NDF: 2693929.0/18

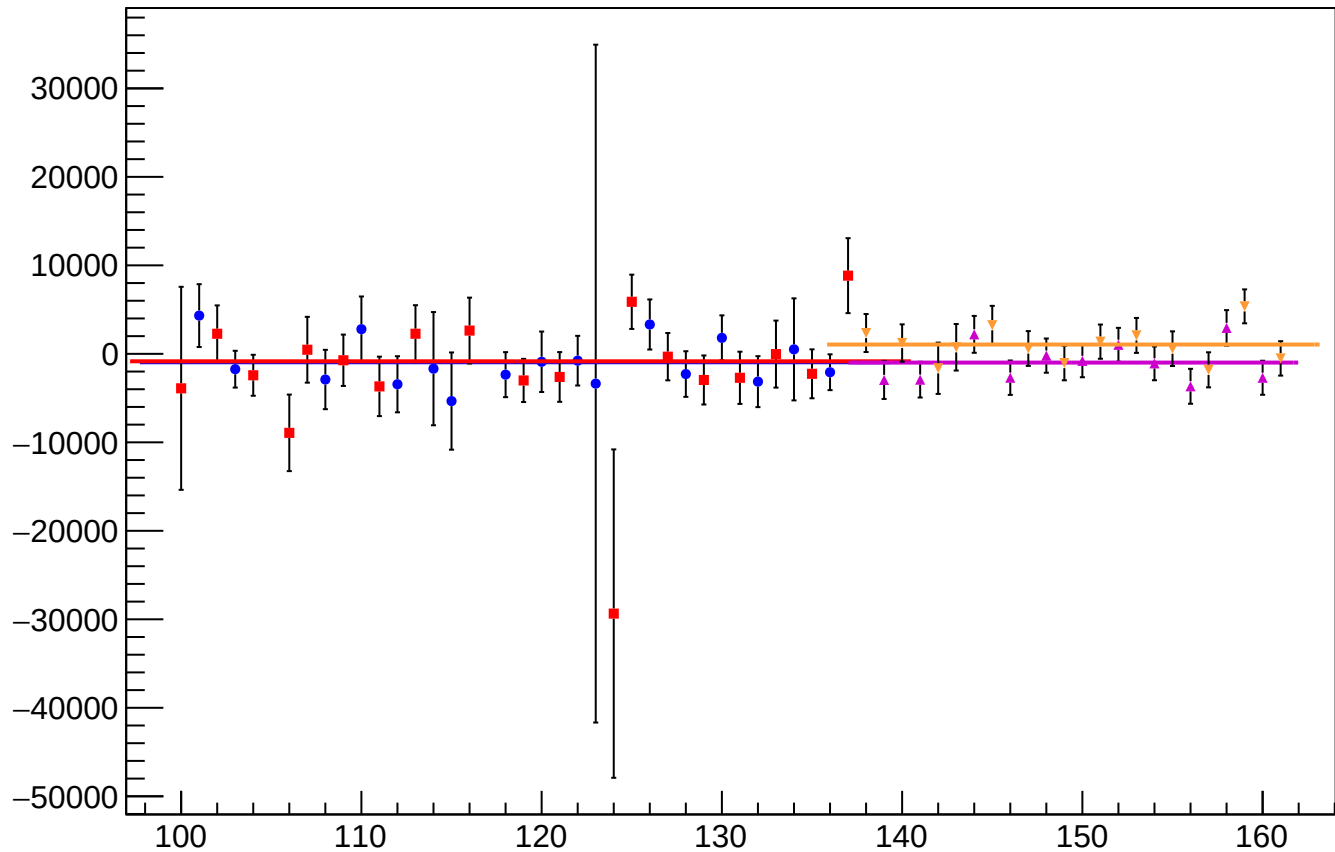
Left In: 5077.645 $\pm$ 1.213 χ^2 /NDF: 379922.5/10

4343.501 $\pm$ 0.811 χ^2 /NDF: 3910332.3/29

4350.316 $\pm$ 0.579 χ^2 /NDF: 7641373.1/59

4357.389 $\pm$ 0.826 χ^2 /NDF: 3730896.9/29

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left Out: 1053.027 ± 576.021 χ^2/NDF : 11.6/12

Right Out: -843.515 ± 737.527 χ^2/NDF : 22.5/18

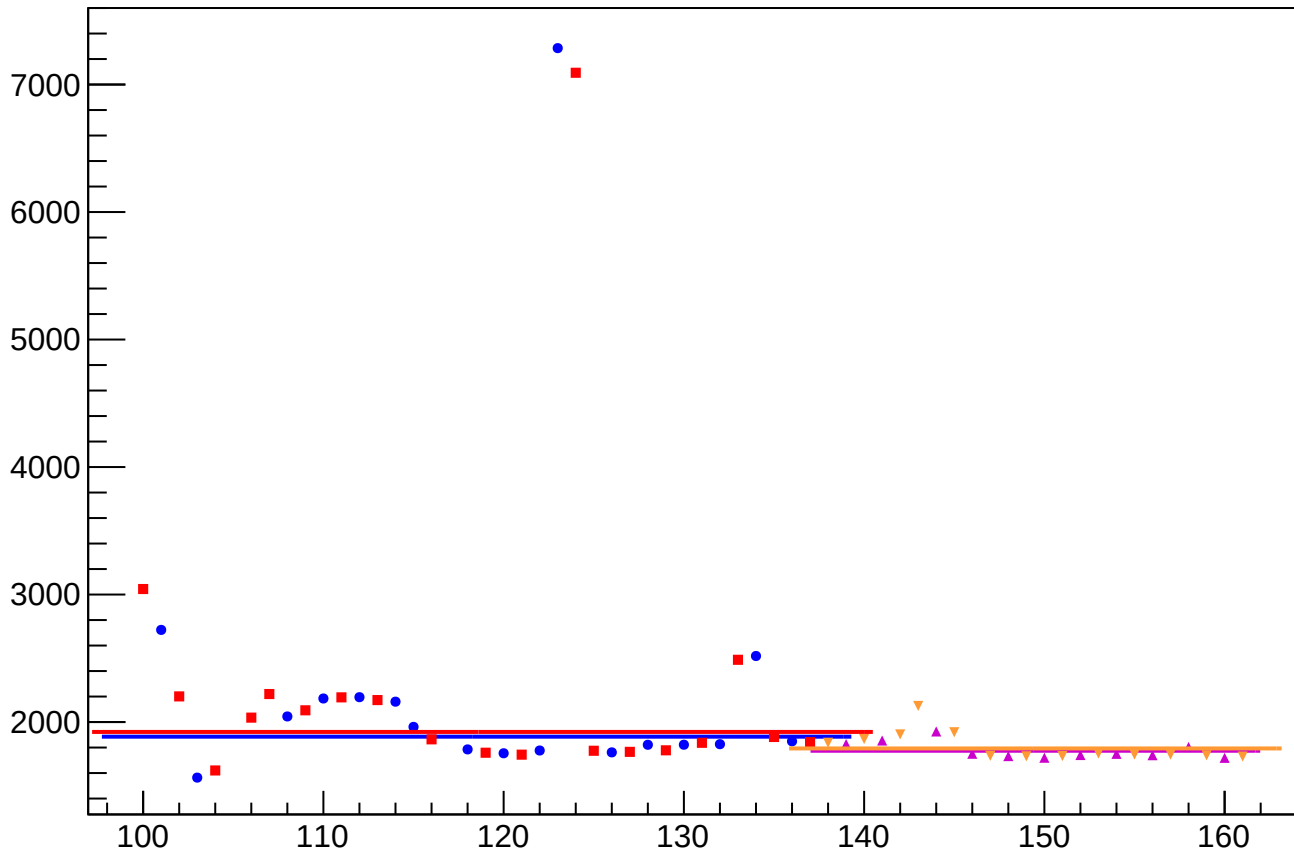
Left In: -988.358 ± 593.592 χ^2/NDF : 12.6/10

297.610 ± 454.700 χ^2/NDF : 26.1/29

-306.554 ± 324.217 χ^2/NDF : 64.8/59

-931.418 ± 462.423 χ^2/NDF : 35.1/29

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1793.023+/-0.407 χ^2/NDF : 57685.9/12

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

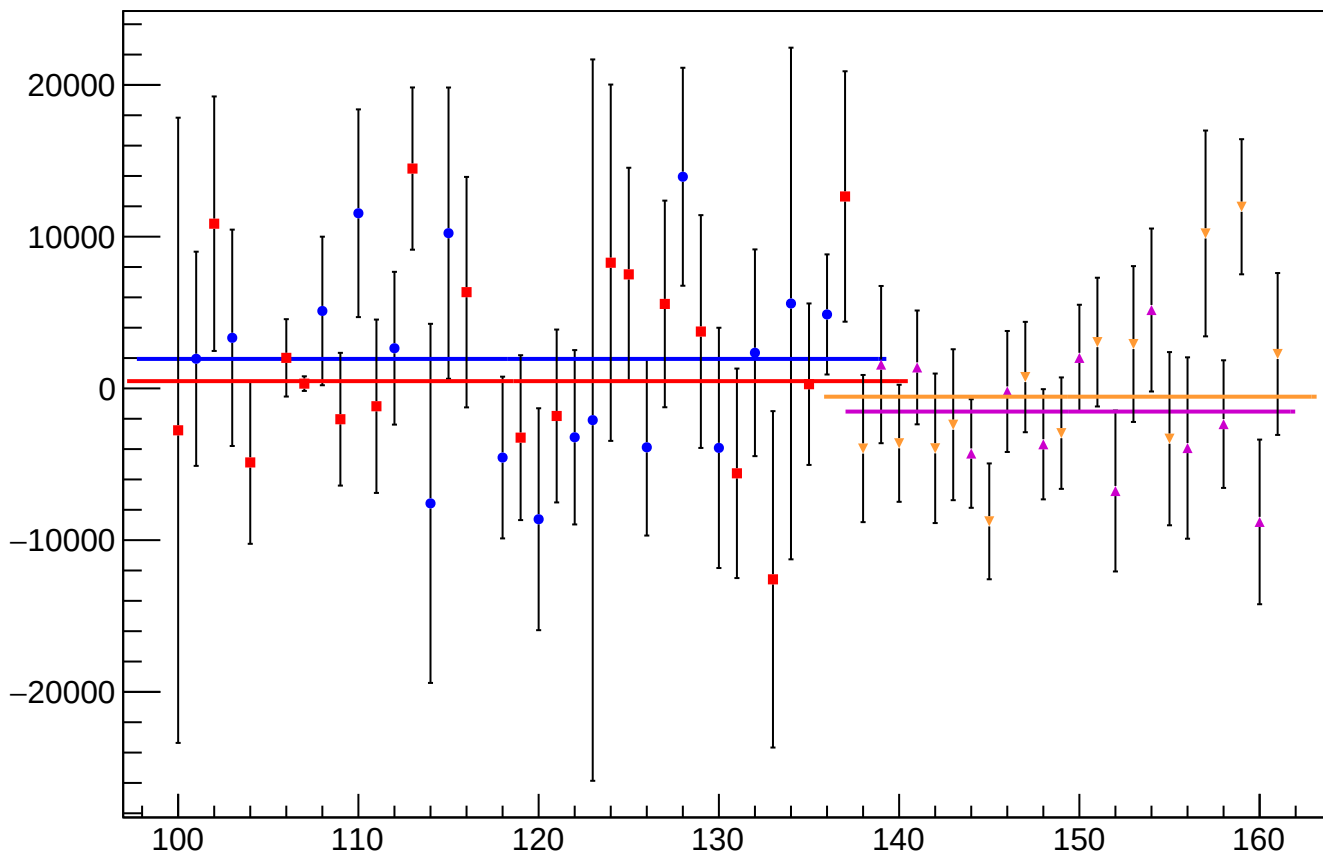
Left In: 1774.994+/-0.420 χ^2/NDF : 21559.7/10

1827.823+/-0.322 χ^2/NDF : 357483.8/29

1830.422+/-0.229 χ^2/NDF : 779356.6/59

1833.107+/-0.327 χ^2/NDF : 421739.9/29

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -545.946+/-1248.784 χ^2/NDF : 19.0/12

Right Out: 478.828+/-453.684 χ^2/NDF : 18.1/18

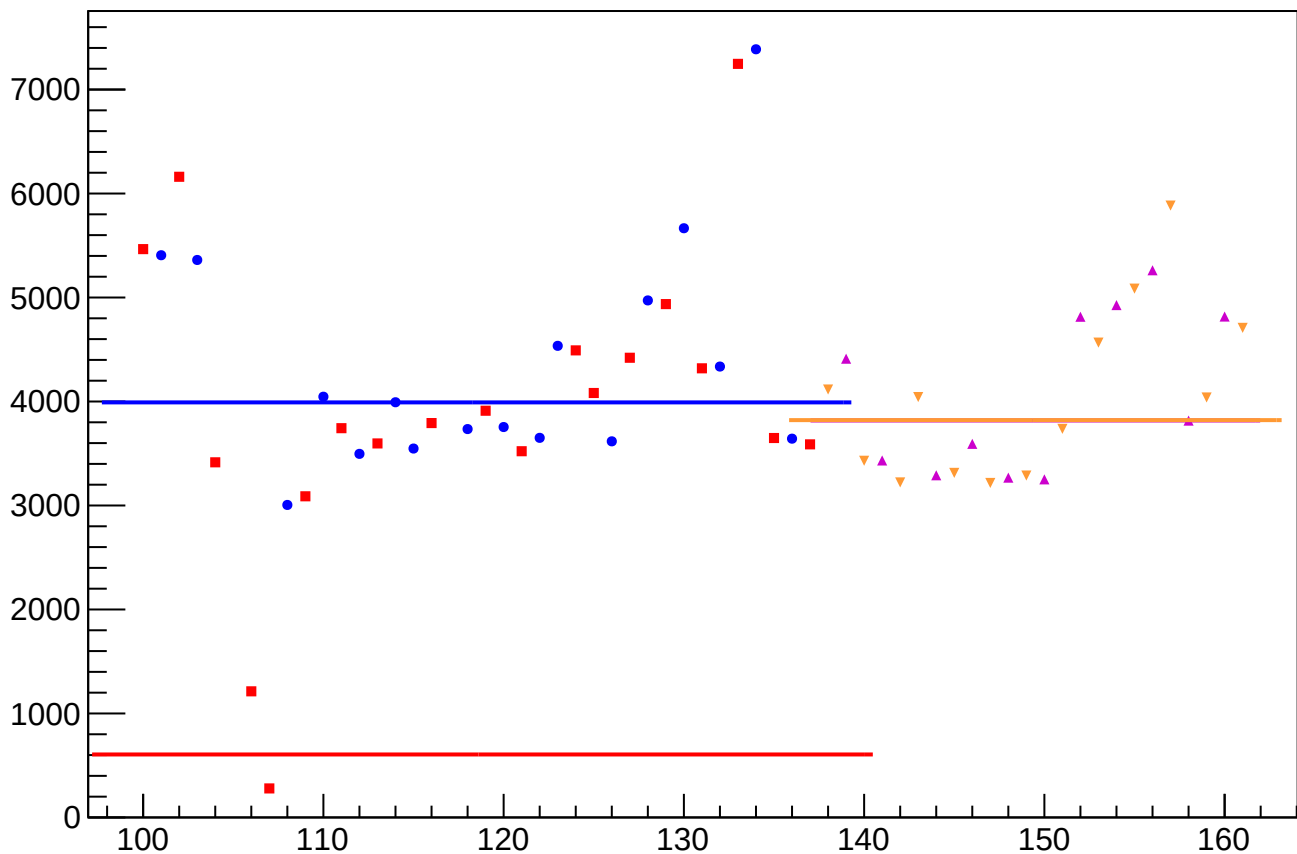
Left In: -1527.031+/-1295.803 χ^2/NDF : 7.6/10

410.321+/-979.975 χ^2/NDF : 33.8/29

283.926+/-392.376 χ^2/NDF : 61.5/59

259.794+/-428.198 χ^2/NDF : 27.8/29

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3820.919+/-0.883 χ^2/NDF : 580438.5/12

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

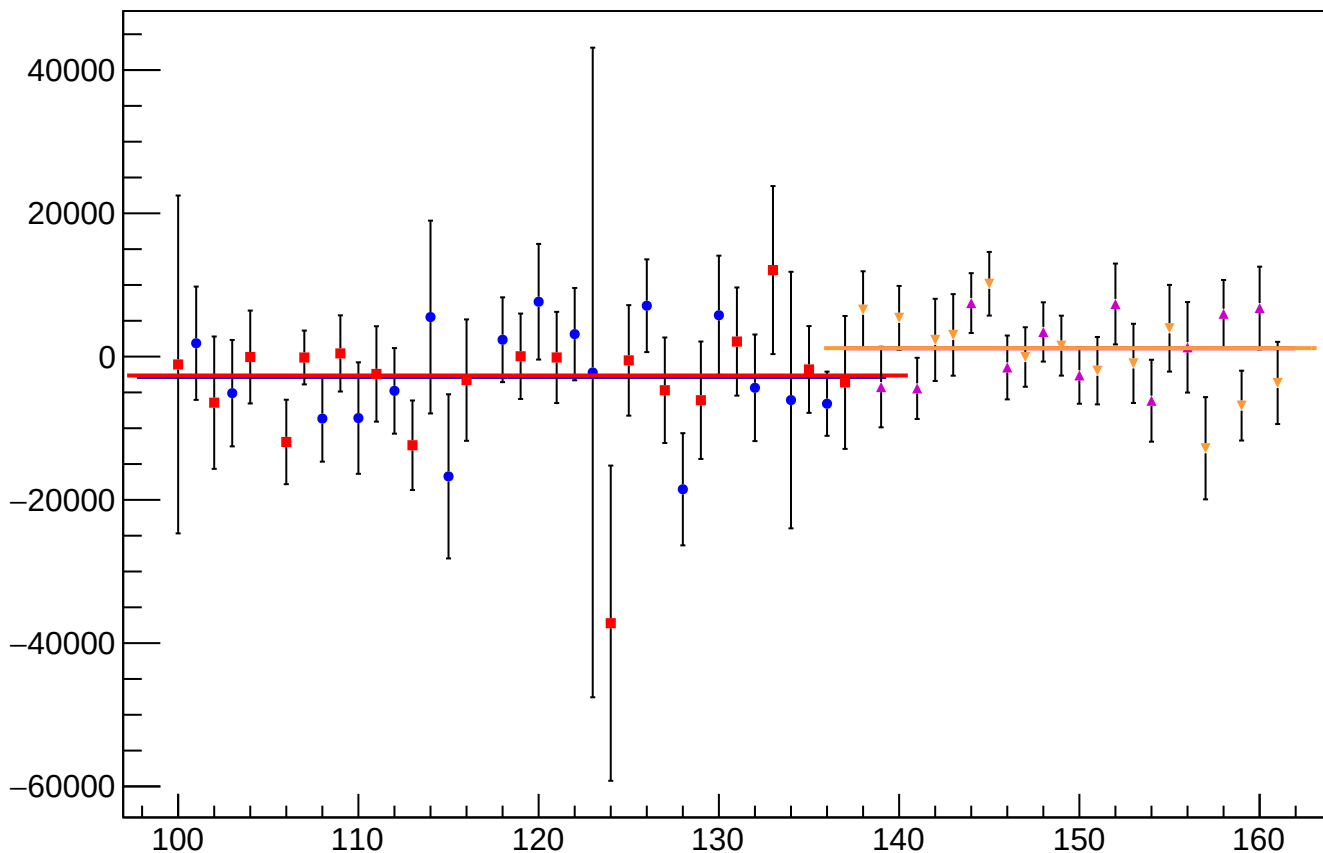
Left In: 3817.387+/-0.916 χ^2/NDF : 536119.4/10

3886.420+/-0.693 χ^2/NDF : 1105543.9/29

1426.157+/-0.277 χ^2/NDF : 37844952.6/5

956.435+/-0.303 χ^2/NDF : 21727099.6/29

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 $\pm$ 1786.019 χ^2/NDF : 15.4/16

Left Out: 1181.761 $\pm$ 1400.815 χ^2/NDF : 14.3/12

Right Out: -2637.071 $\pm$ 1575.105 χ^2/NDF : 11.2/18

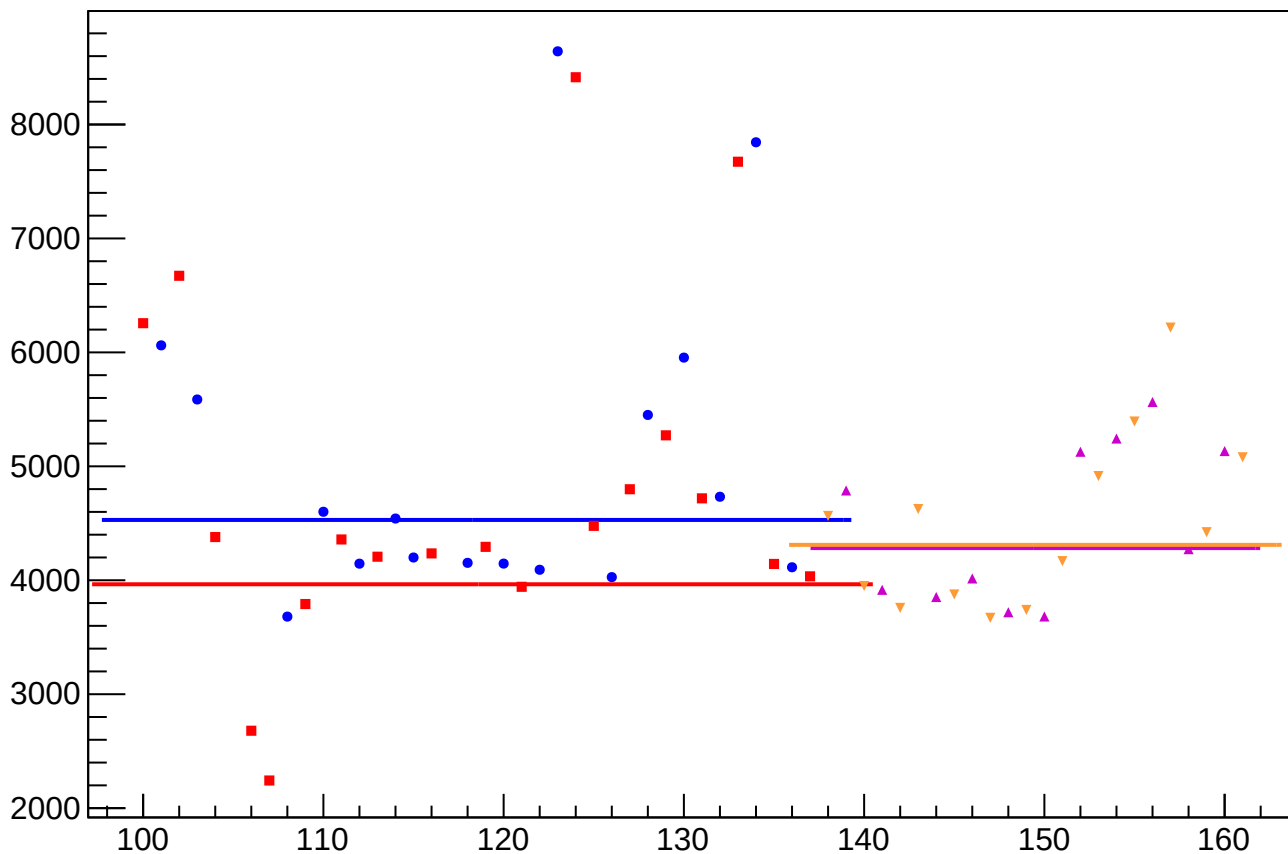
Left In: 1158.535 $\pm$ 1446.357 χ^2/NDF : 11.3/10

-349.842 $\pm$ 1102.231 χ^2/NDF : 32.9/29

-467.713 $\pm$ 766.020 χ^2/NDF : 58.5/59

-577.826 $\pm$ 1065.342 χ^2/NDF : 25.7/29

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4310.754+/-0.991 χ^2/NDF : 415786.5/12

Right Out: 3964.829+/-1.107 χ^2/NDF : 1140409.6/18

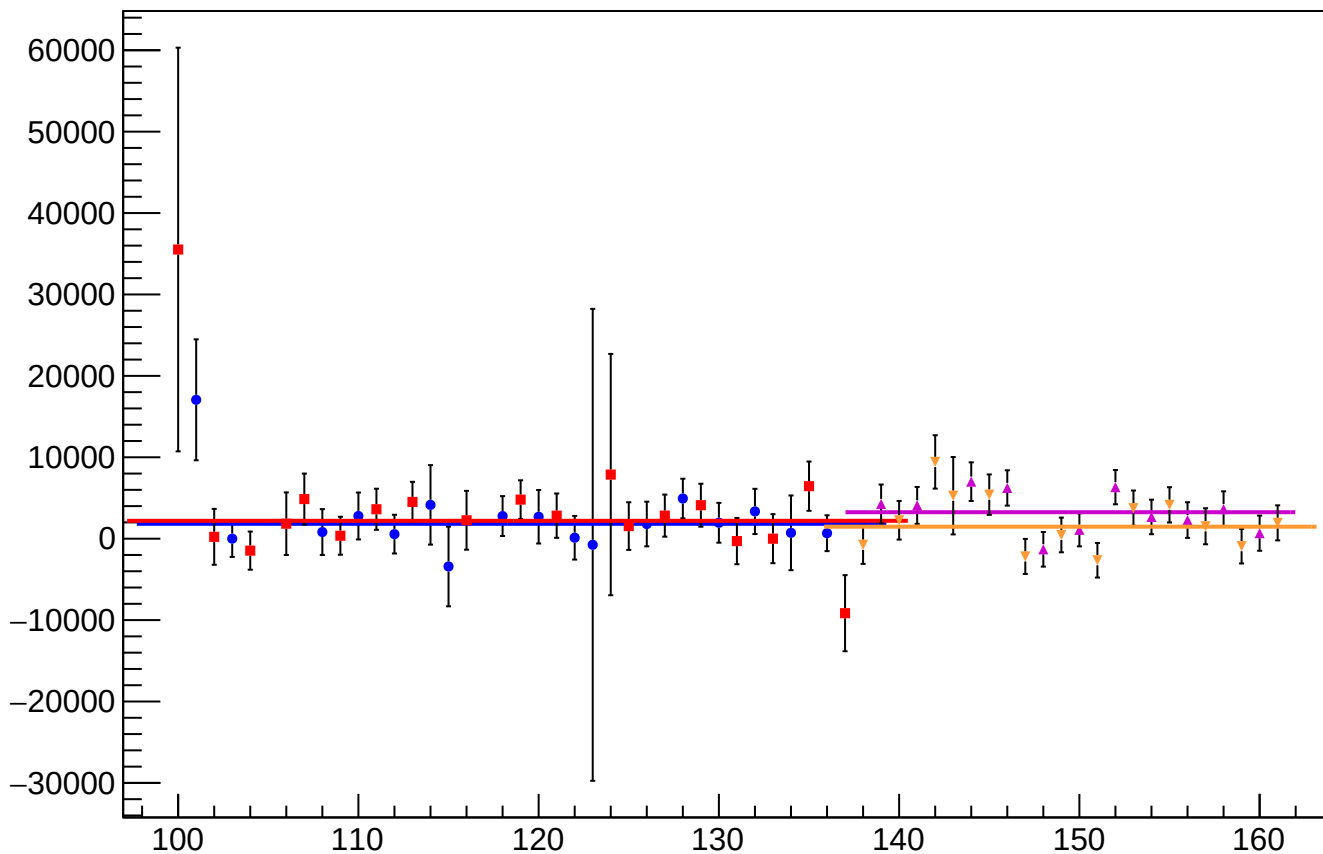
Left In: 4282.540+/-1.023 χ^2/NDF : 369424.9/10

4394.052+/-0.779 χ^2/NDF : 823680.9/29

4260.353+/-0.541 χ^2/NDF : 2434725.1/59

4136.187+/-0.751 χ^2/NDF : 1554288.9/29

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1474.872 $\pm$ 647.841 χ^2 /NDF: 20.9/12

Right Out: 2198.063 $\pm$ 684.205 χ^2 /NDF: 18.3/18

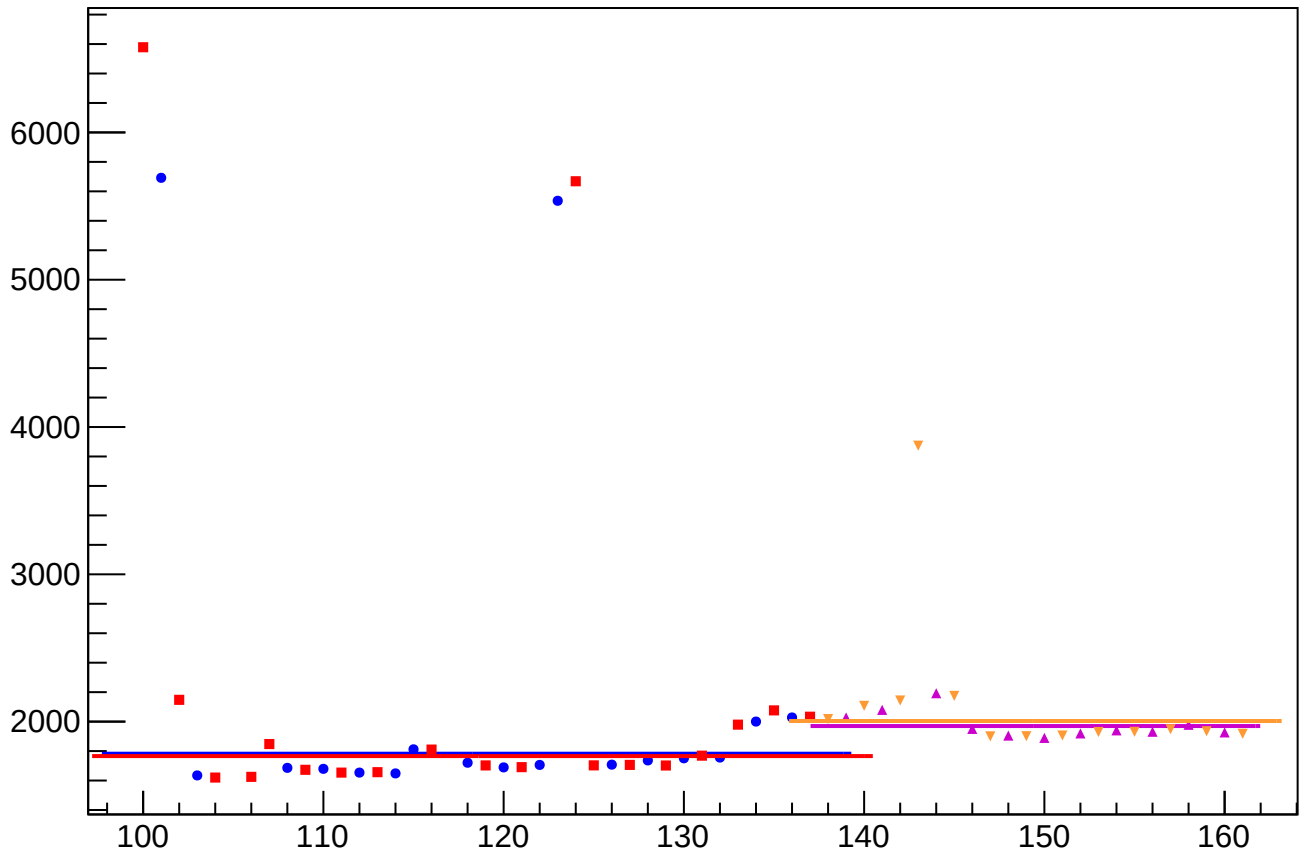
Left In: 3252.386 $\pm$ 658.586 χ^2 /NDF: 14.3/10

1635.929 $\pm$ 478.970 χ^2 /NDF: 30.7/29

2195.845 $\pm$ 337.088 χ^2 /NDF: 67.3/59

2745.333 $\pm$ 474.489 χ^2 /NDF: 33.9/29

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

Left Out: 2004.149 $\pm$ 0.458 χ^2 /NDF: 351233.9/12

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

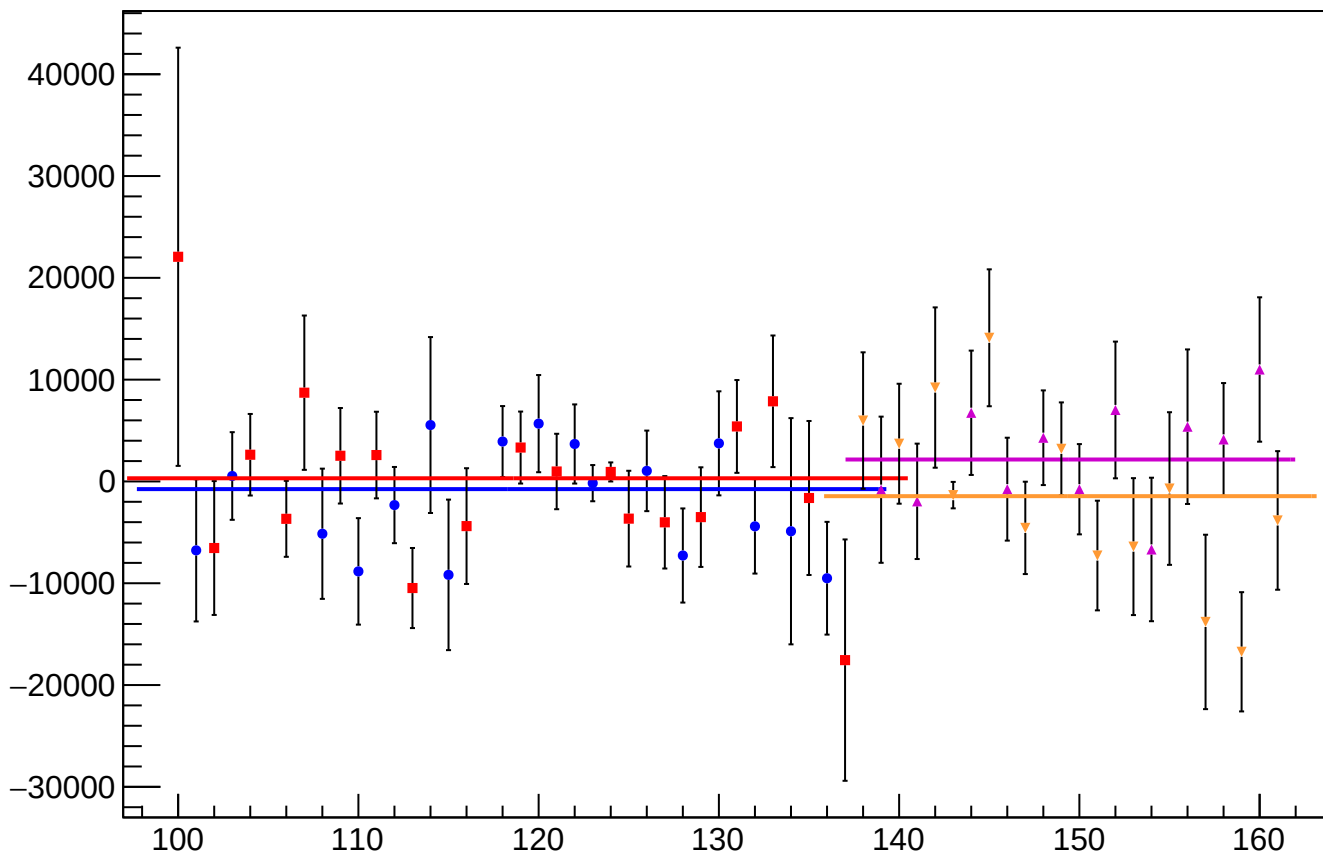
Left In: 1969.930 $\pm$ 0.466 χ^2 /NDF: 31643.4/10

1903.491 $\pm$ 0.339 χ^2 /NDF: 1102914.0/29

1887.109 $\pm$ 0.238 χ^2 /NDF: 1538888.8/59

1871.139 $\pm$ 0.334 χ^2 /NDF: 431354.3/29

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428 ± 1008.523 $\chi^2/\text{NDF}: 16.9/16$

Left Out: -1446.172 ± 1044.062 $\chi^2/\text{NDF}: 21.4/12$

Right Out: 311.405 ± 725.132 $\chi^2/\text{NDF}: 22.0/18$

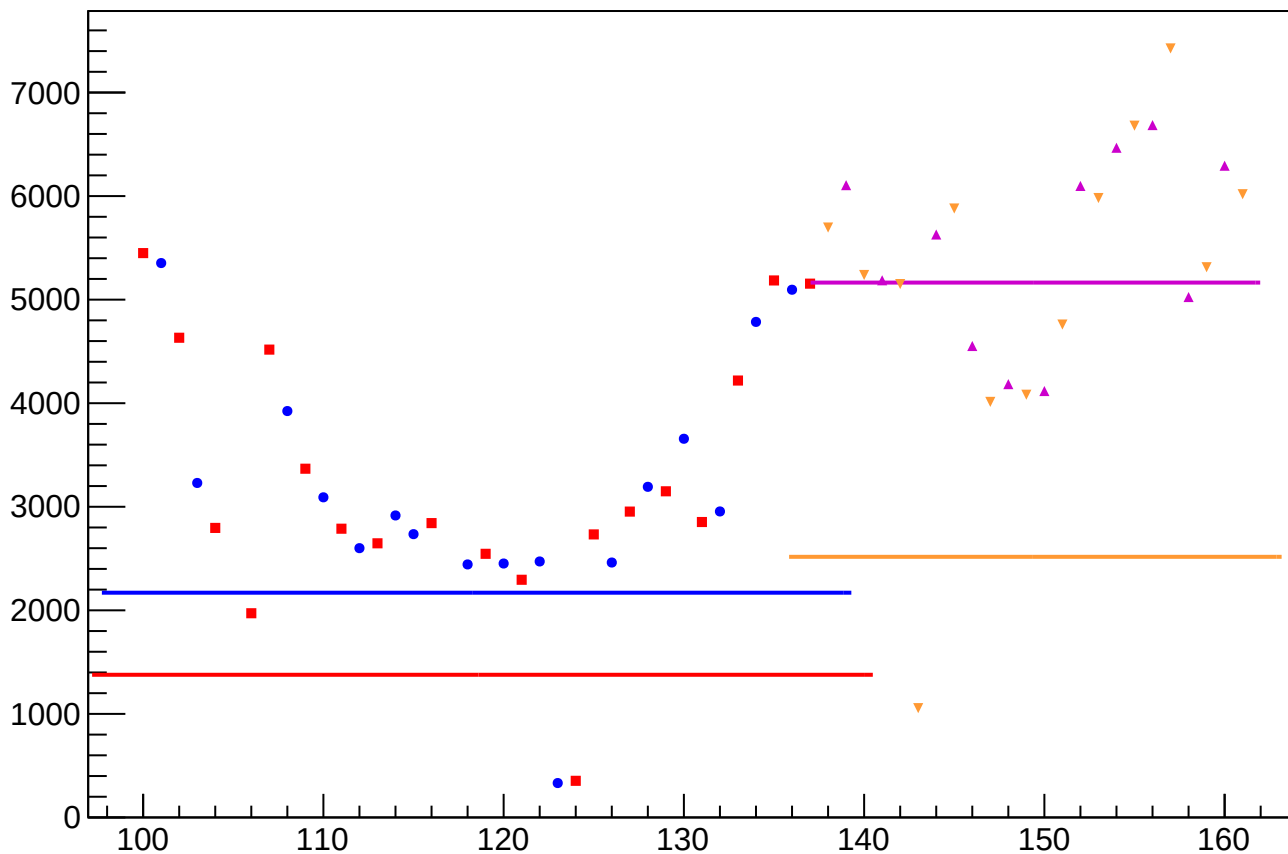
Left In: 2154.708 ± 1752.023 $\chi^2/\text{NDF}: 6.2/10$

-1087.809 ± 725.372 $\chi^2/\text{NDF}: 38.6/29$

-187.311 ± 492.179 $\chi^2/\text{NDF}: 70.6/59$

580.982 ± 670.013 $\chi^2/\text{NDF}: 29.1/29$

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2516.734+/-0.738 χ^2/NDF : 7721003.3/12

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

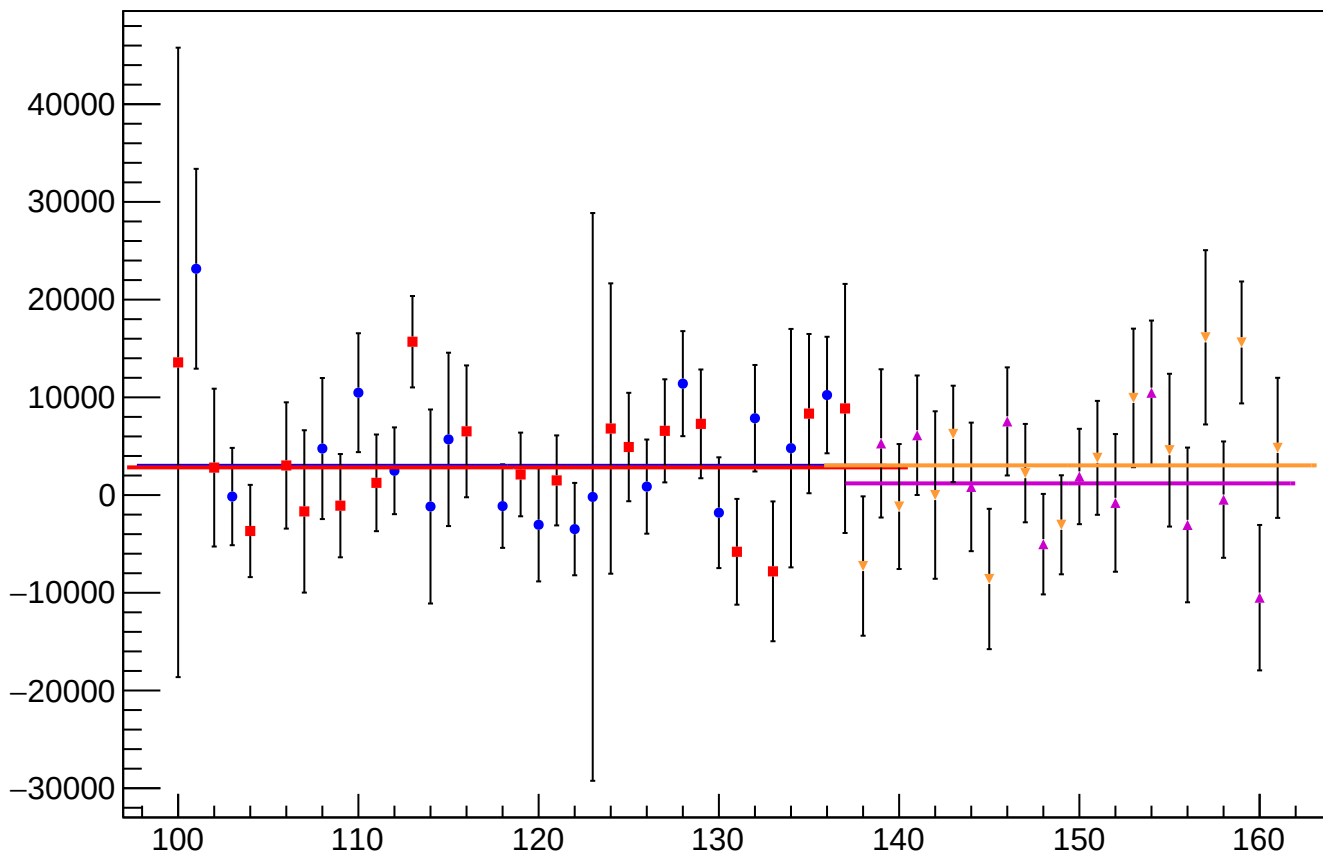
Left In: 5164.740+/-1.239 χ^2/NDF : 514899.1/10

2337.491+/-0.513 χ^2/NDF : 11808679.1/29

2118.444+/-0.348 χ^2/NDF : 27486577.6/5

1931.556+/-0.474 χ^2/NDF : 15339911.1/29

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 3038.834 $\pm$ 1767.723 χ^2/NDF : 14.4/12

Right Out: 2833.408 $\pm$ 1379.110 χ^2/NDF : 17.7/18

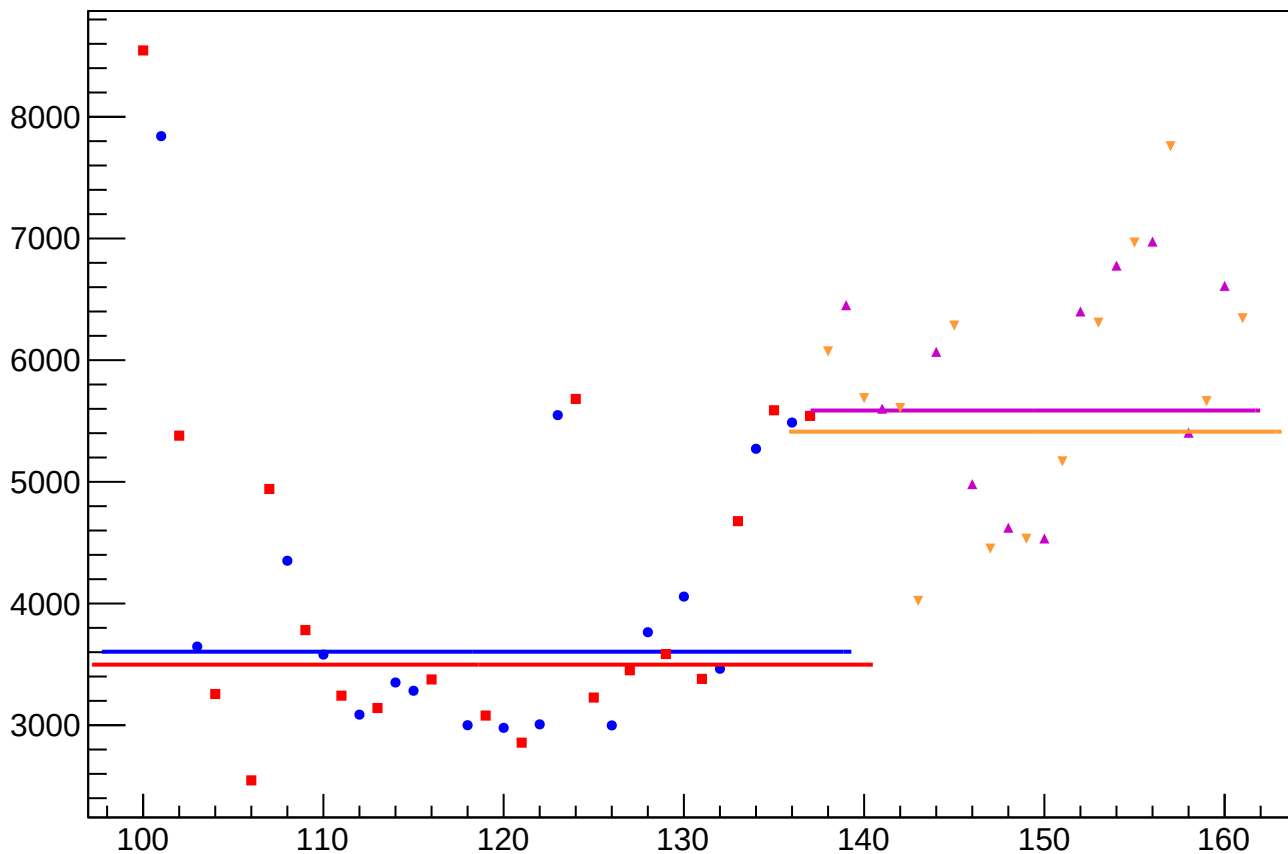
Left In: 1195.421 $\pm$ 1888.417 χ^2/NDF : 8.2/10

3011.277 $\pm$ 1119.802 χ^2/NDF : 30.1/29

2635.441 $\pm$ 789.664 χ^2/NDF : 56.8/59

2263.670 $\pm$ 1113.730 χ^2/NDF : 26.5/29

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5412.667+/-1.250 χ^2/NDF : 633455.3/12

Right Out: 3497.586+/-0.962 χ^2/NDF : 661898.6/18

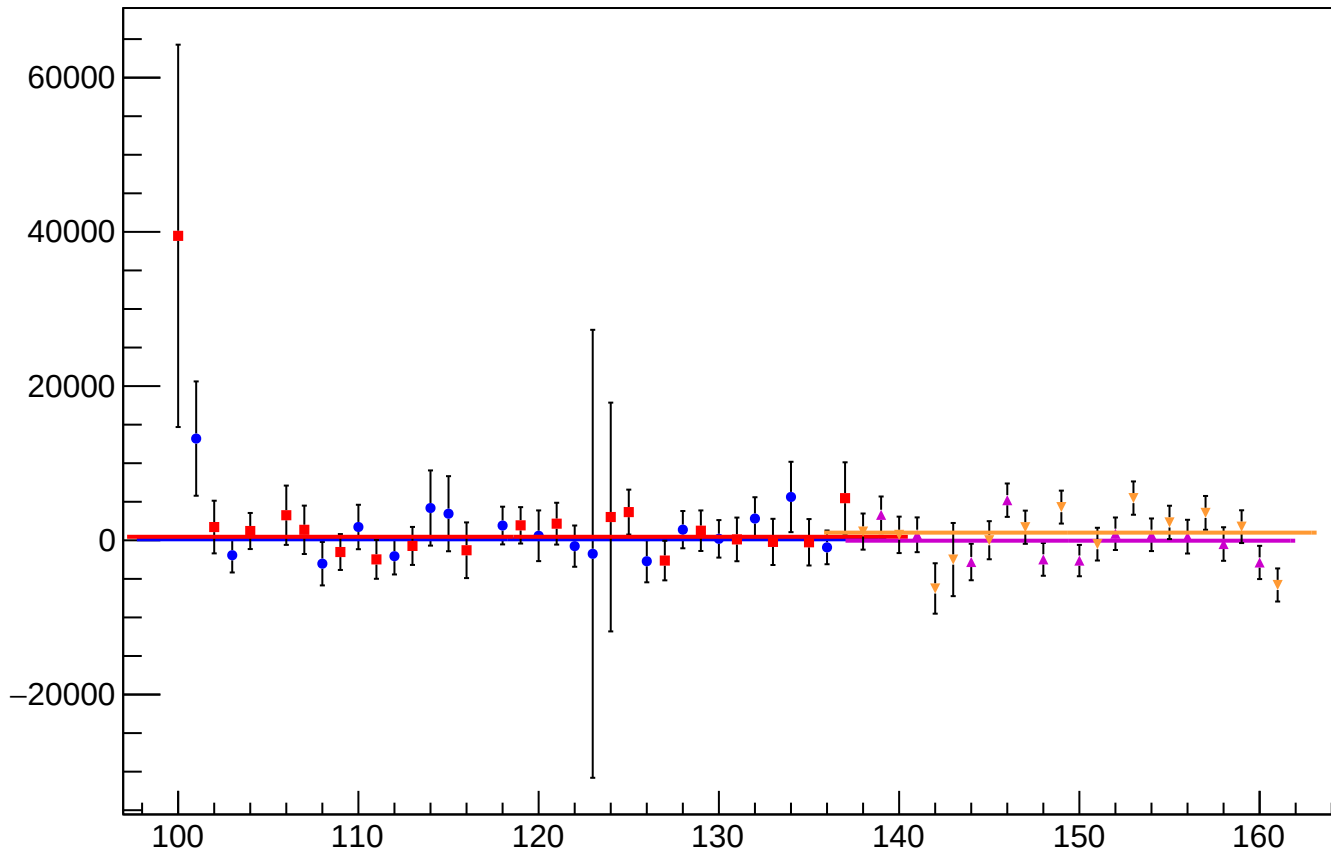
Left In: 5586.259+/-1.335 χ^2/NDF : 403749.7/10

4329.746+/-0.792 χ^2/NDF : 2671773.0/29

4269.445+/-0.556 χ^2/NDF : 5359971.7/59

4210.880+/-0.780 χ^2/NDF : 2676766.5/29

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 997.113 $\pm$ 646.234 χ^2 /NDF:24.8/12

Right Out: 459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

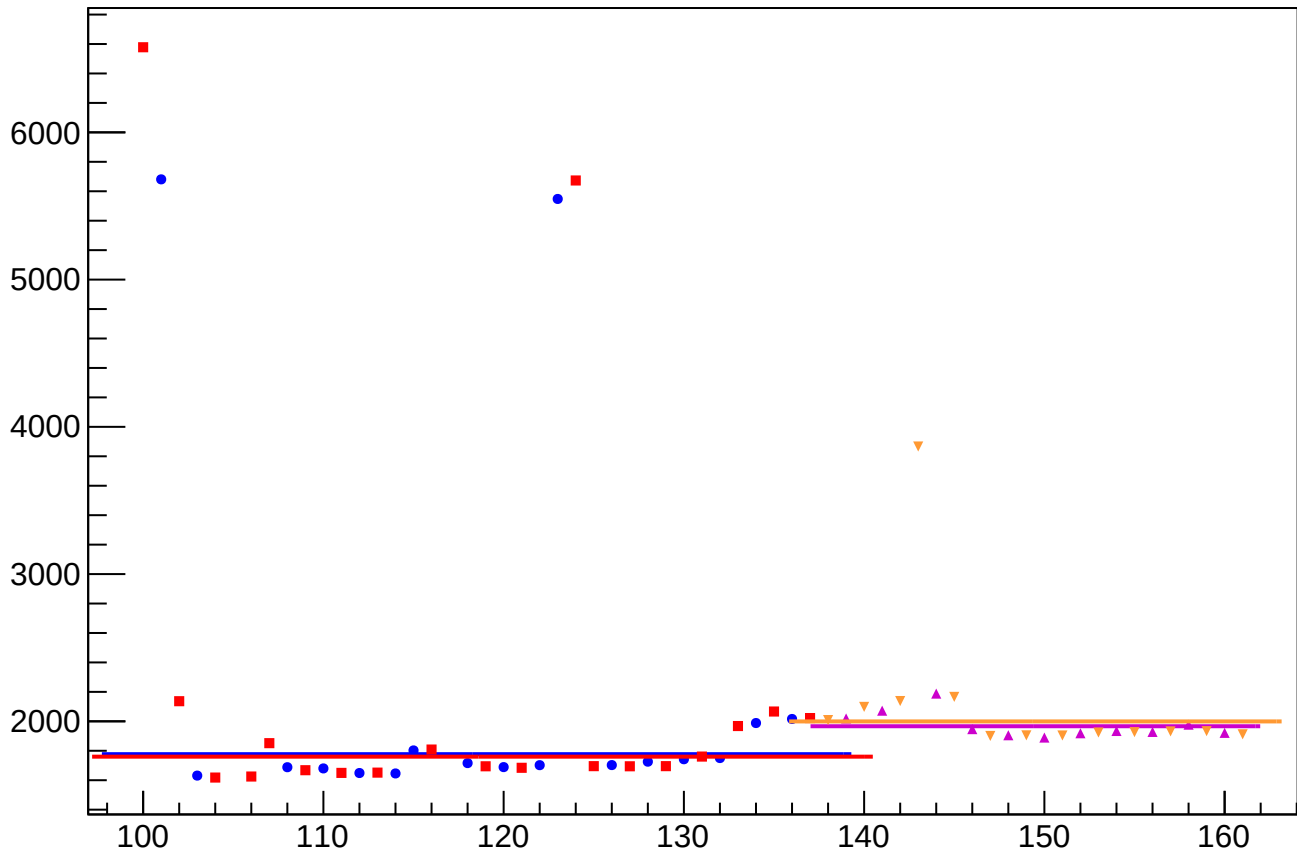
Left In: -49.136 $\pm$ 657.441 χ^2 /NDF:14.4/10

604.169 $\pm$ 477.671 χ^2 /NDF: 37.8/29

398.042 $\pm$ 336.198 χ^2 /NDF: 63.6/59

195.694 $\pm$ 473.272 χ^2 /NDF: 25.4/29

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879 ± 0.501 χ^2/NDF : 643576.8/16

Left Out: 1999.334 ± 0.457 χ^2/NDF : 349909.8/12

Right Out: 1759.990 ± 0.479 χ^2/NDF : 306154.6/18

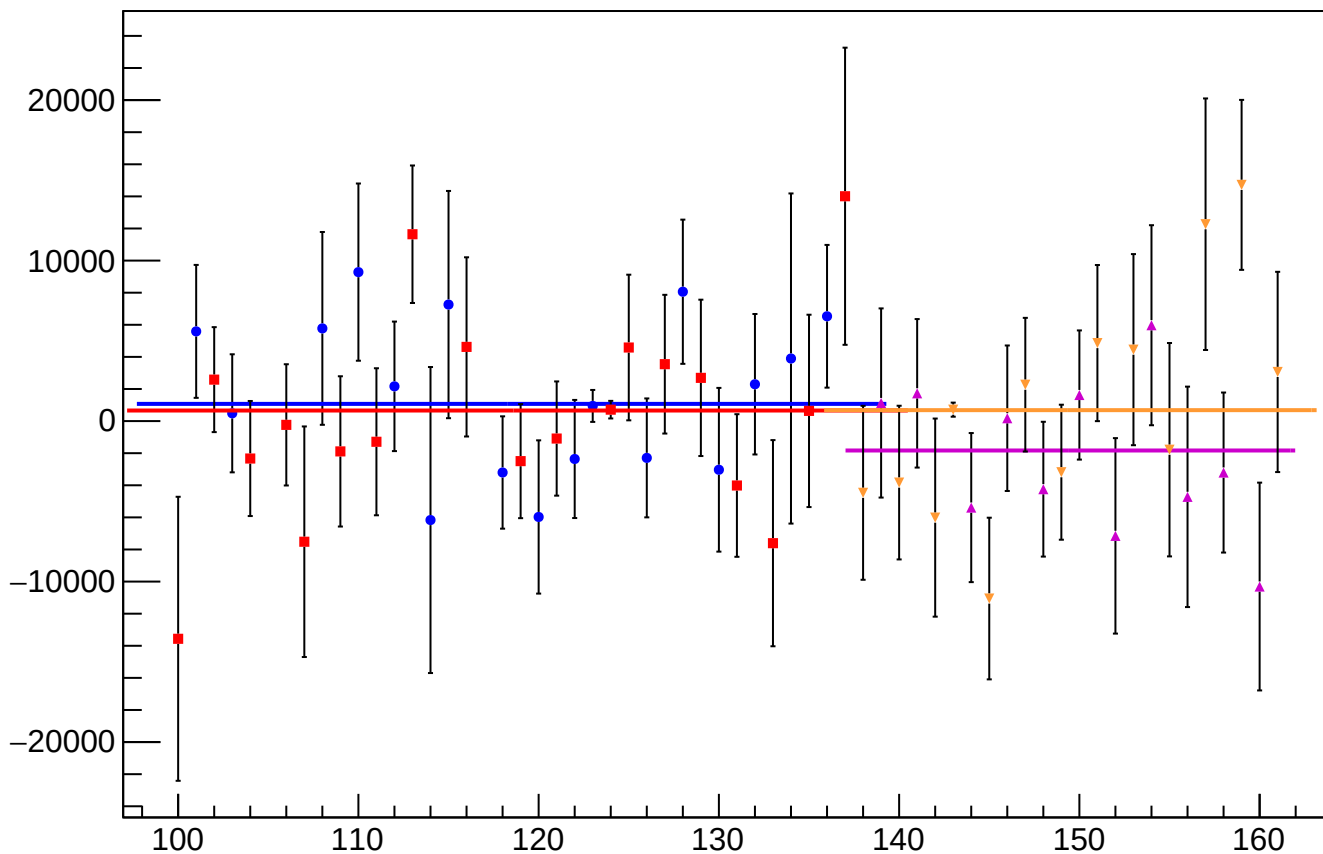
Left In: 1966.596 ± 0.465 χ^2/NDF : 30609.9/10

1898.419 ± 0.338 χ^2/NDF : 1100996.4/29

1882.184 ± 0.237 χ^2/NDF : 1538158.1/59

1866.352 ± 0.334 χ^2/NDF : 432598.2/29

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 681.274 $\pm$ 421.847 χ^2 /NDF: 20.0/12

Right Out: 658.759 $\pm$ 488.034 χ^2 /NDF: 19.8/18

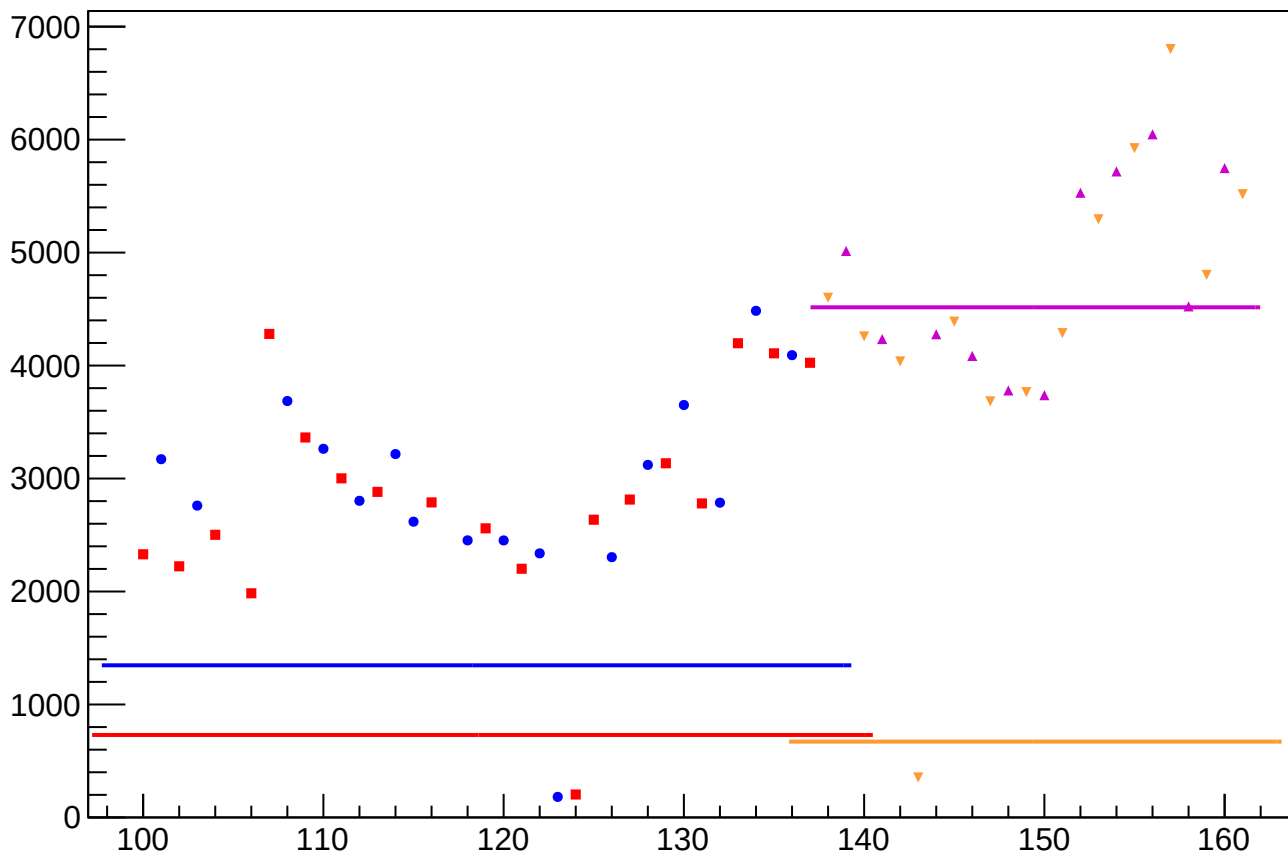
Left In: -1832.017 $\pm$ 1530.351 χ^2 /NDF: 7.0/10

774.792 $\pm$ 367.945 χ^2 /NDF: 35.8/29

641.571 $\pm$ 288.531 χ^2 /NDF: 65.3/59

428.832 $\pm$ 464.963 χ^2 /NDF: 29.2/29

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 671.315 $\pm$ 0.298 χ^2 /NDF:14239927.2/12

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

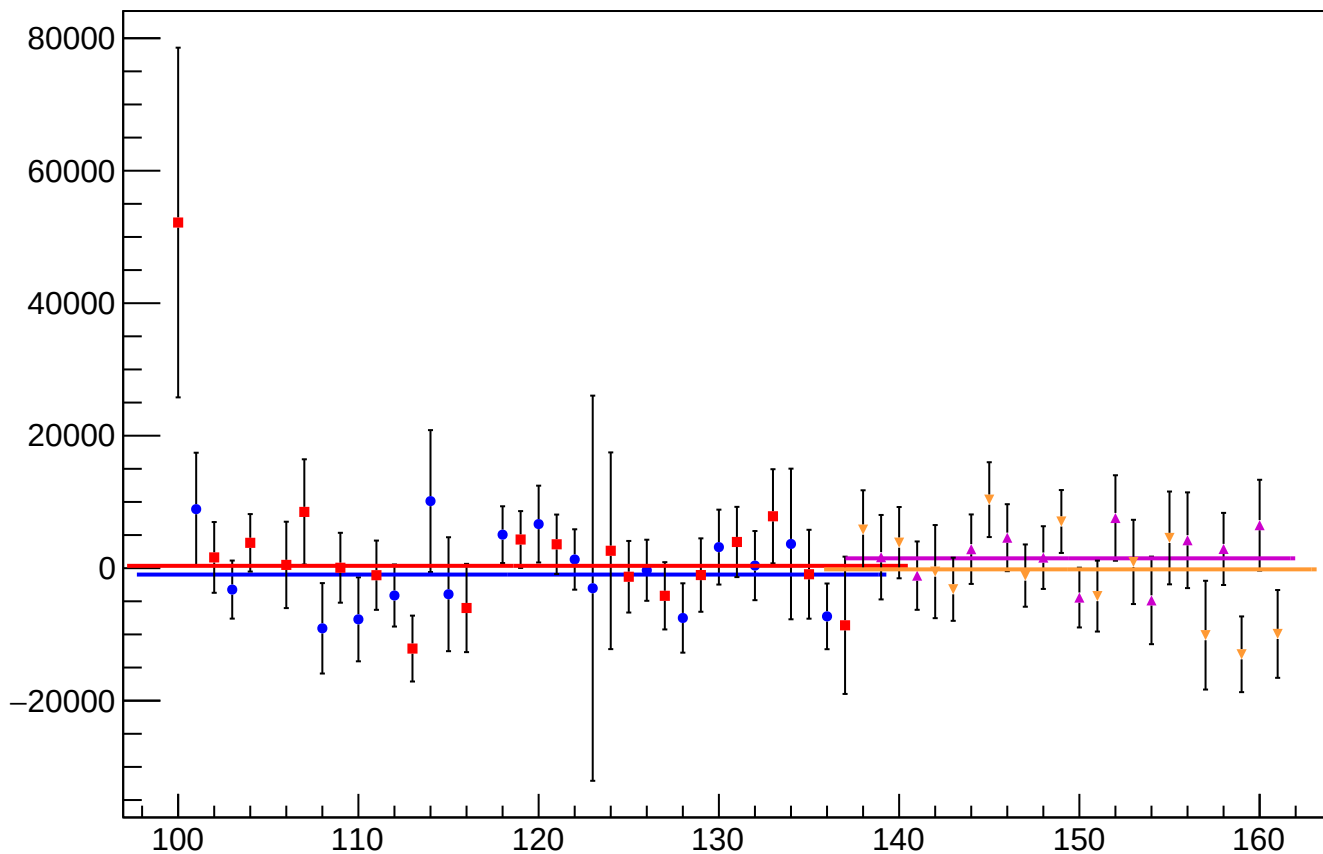
Left In: 4515.691 $\pm$ 1.082 χ^2 /NDF:482991.4/10

832.916 $\pm$ 0.260 χ^2 /NDF: 22305929.1/29

927.897 $\pm$ 0.204 χ^2 /NDF: 43746435.5/59

1079.570 $\pm$ 0.329 χ^2 /NDF: 21094417.2/29

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: -177.791 ± 1588.440 χ^2/NDF : 17.5/12

Right Out: 354.646 ± 1329.760 χ^2/NDF : 17.6/18

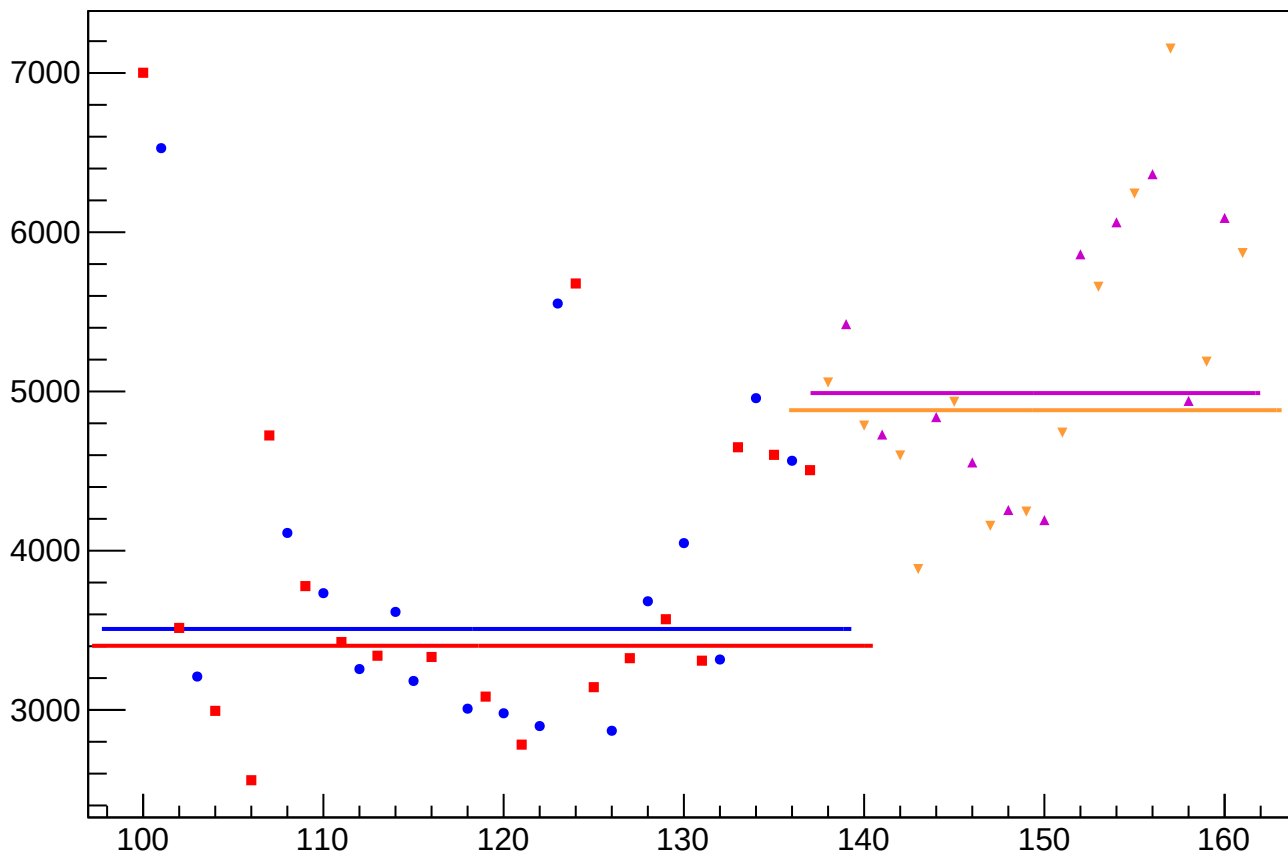
Left In: 1487.075 ± 1684.219 χ^2/NDF : 5.0/10

-621.570 ± 1048.435 χ^2/NDF : 31.4/29

87.177 ± 739.666 χ^2/NDF : 55.2/59

789.498 ± 1043.672 χ^2/NDF : 22.9/29

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2/NDF : 562197.7/16

Left Out: 4882.284 $\pm$ 1.123 χ^2/NDF : 486726.8/12

Right Out: 3402.883 $\pm$ 0.928 χ^2/NDF : 428556.1/18

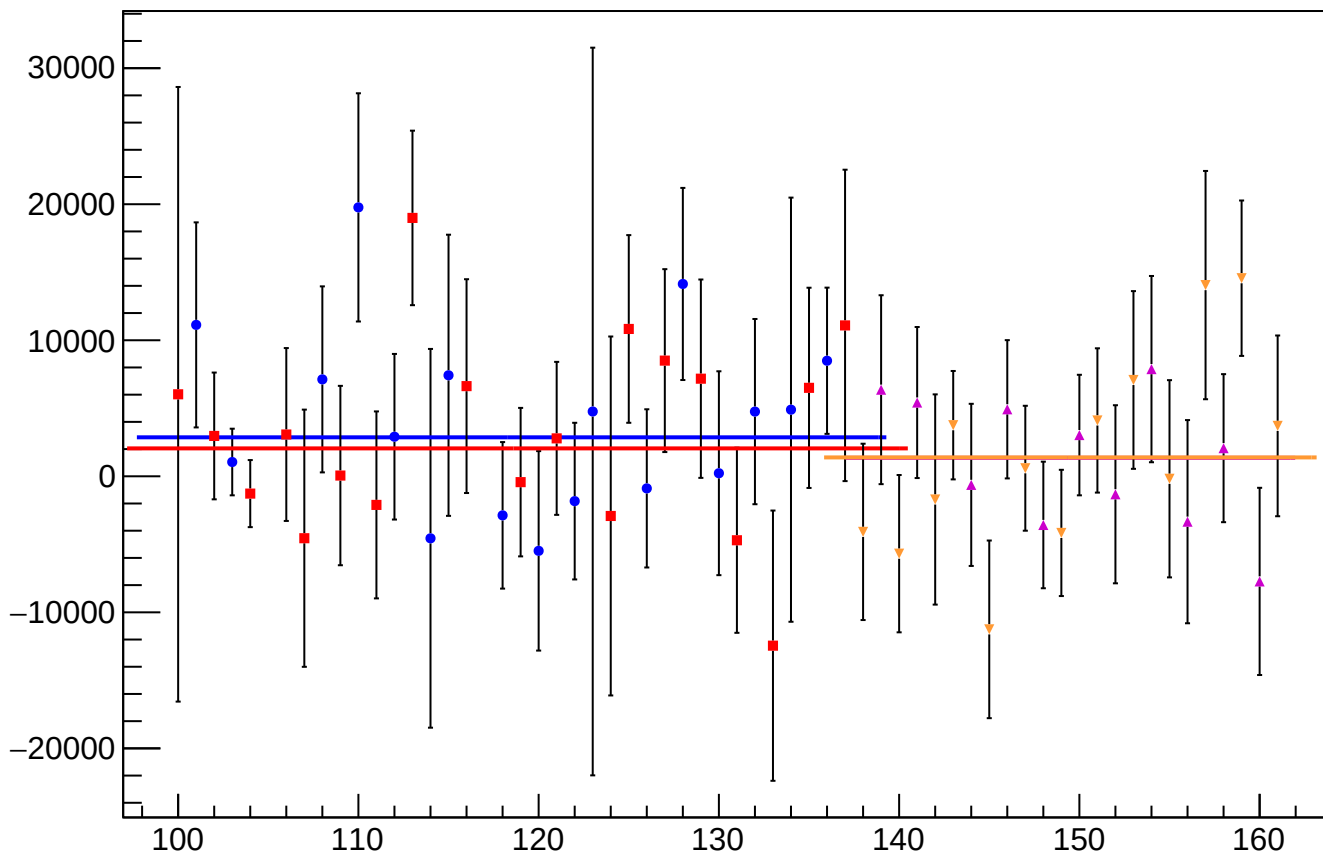
Left In: 4989.875 $\pm$ 1.191 χ^2/NDF : 354758.2/10

4106.981 $\pm$ 0.741 χ^2/NDF : 1893199.2/29

4054.100 $\pm$ 0.521 χ^2/NDF : 3791338.3/59

4002.536 $\pm$ 0.732 χ^2/NDF : 1888089.7/29

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: 1387.167+/-1588.420 χ^2/NDF : 16.7/12

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

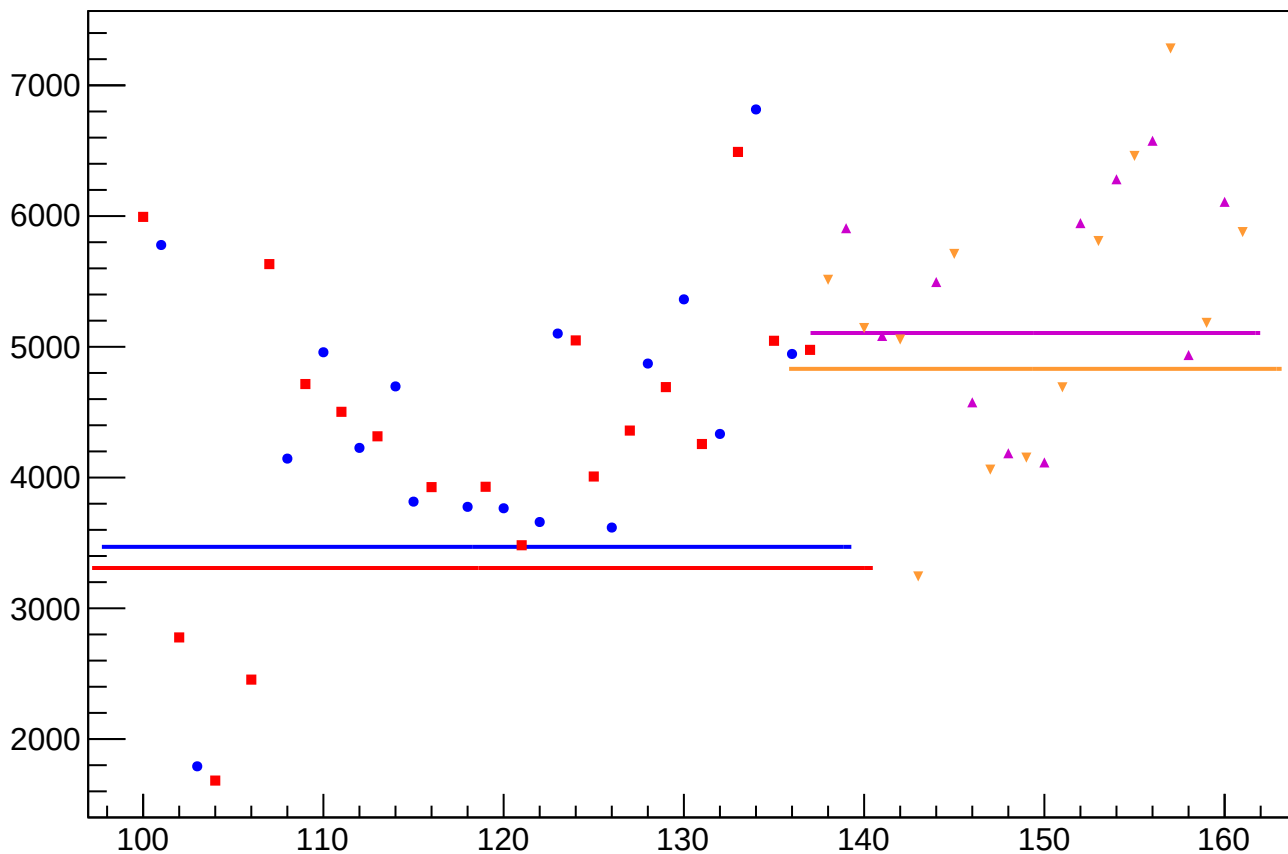
Left In: 1356.464+/-1728.485 χ^2/NDF : 6.2/10

2191.802+/-1071.973 χ^2/NDF : 31.3/29

1987.473+/-760.541 χ^2/NDF : 55.3/59

1780.380+/-1079.199 χ^2/NDF : 23.9/29

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: 4831.484 $\pm$ 1.123 χ^2 /NDF: 857563.3/12

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

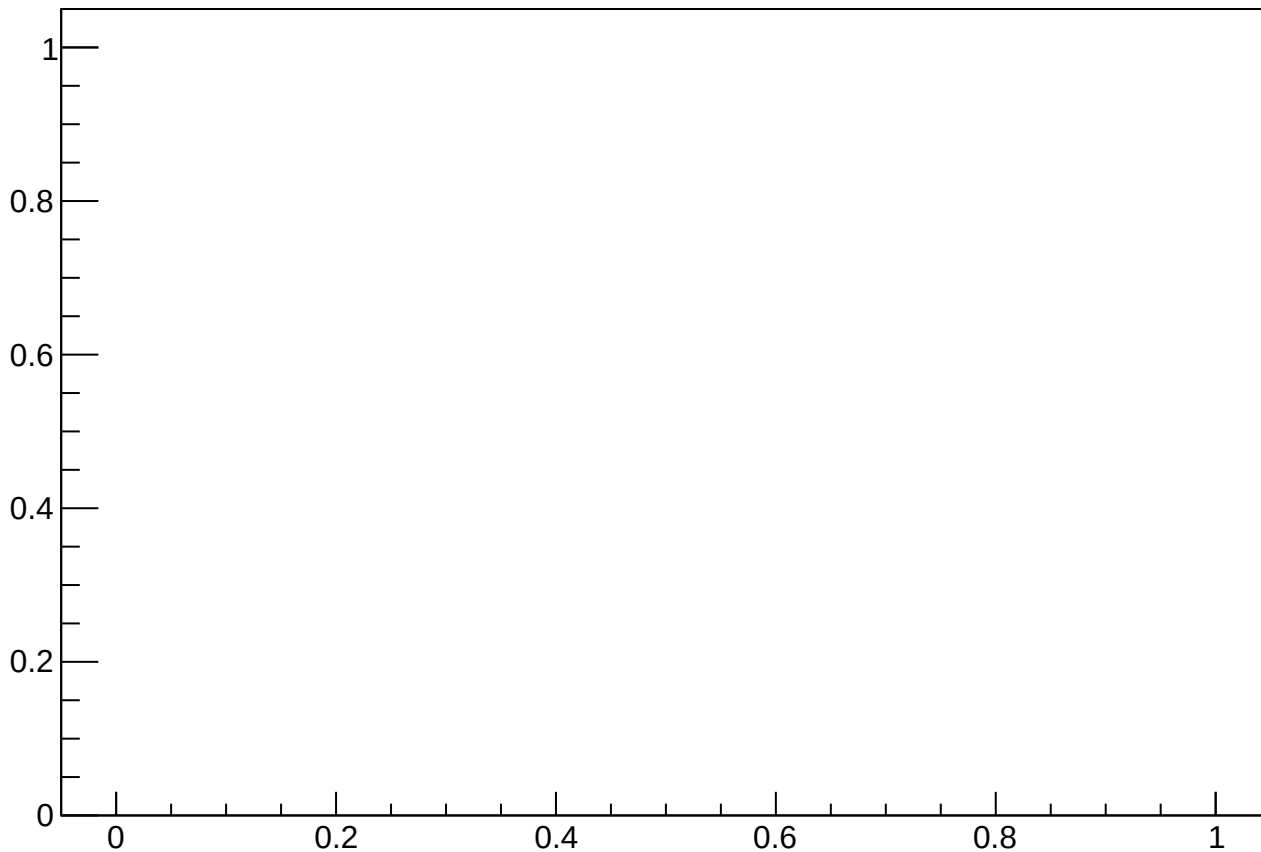
Left In: 5105.691 $\pm$ 1.222 χ^2 /NDF: 449006.6/10

4090.089 $\pm$ 0.758 χ^2 /NDF: 3418530.8/29

4045.646 $\pm$ 0.536 χ^2 /NDF: 7114294.1/59

4001.105 $\pm$ 0.759 χ^2 /NDF: 3688880.2/29

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

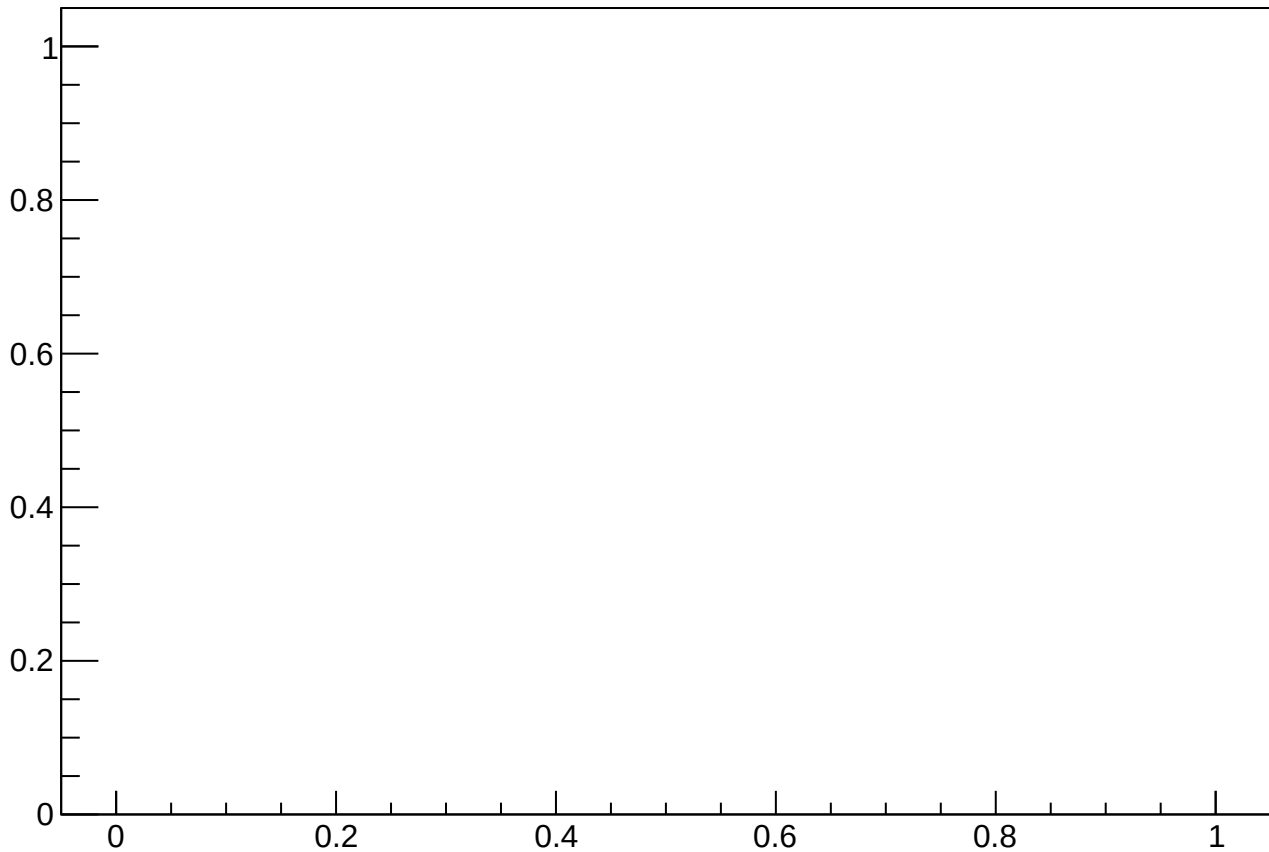
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

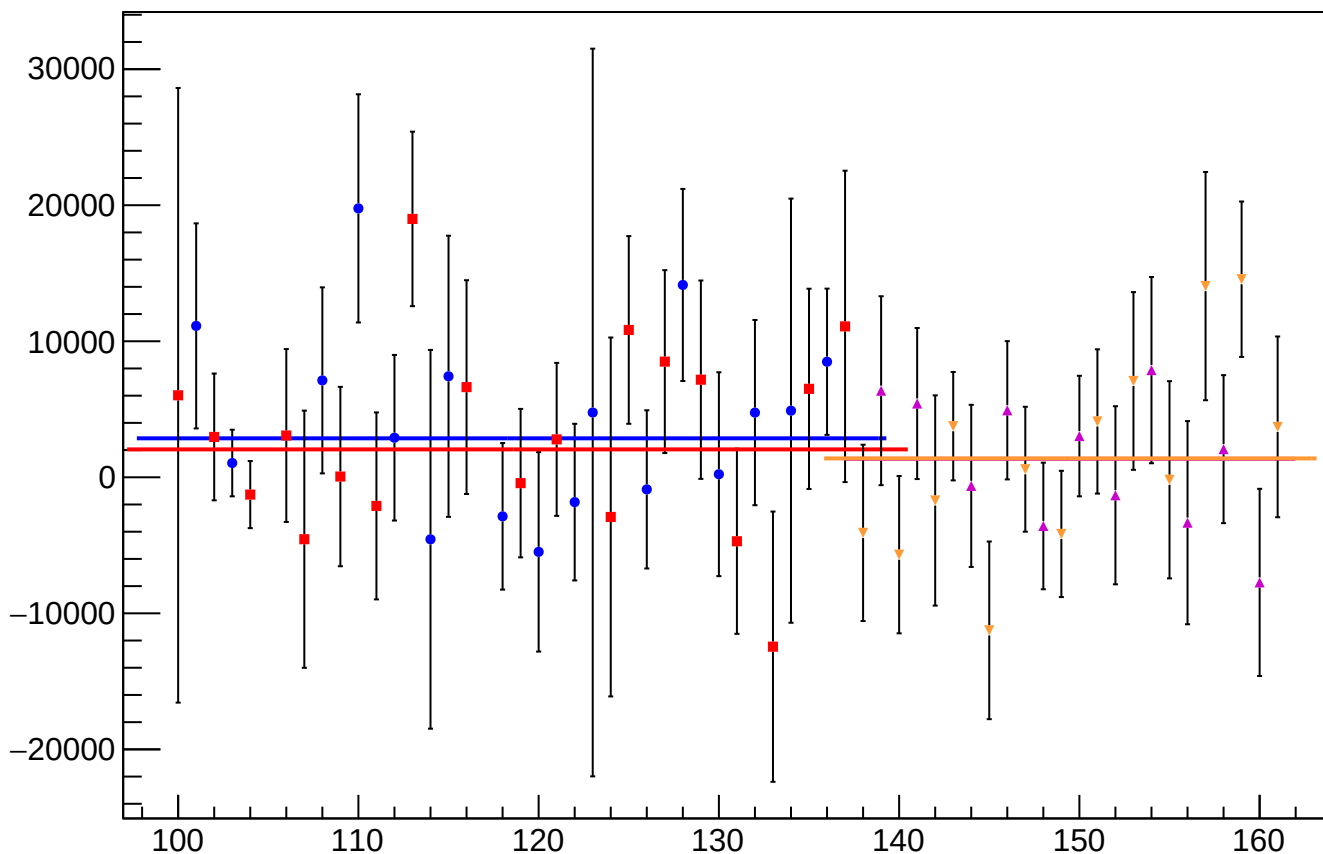
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 1387.167+/-1588.420 χ^2/NDF : 16.7/12

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

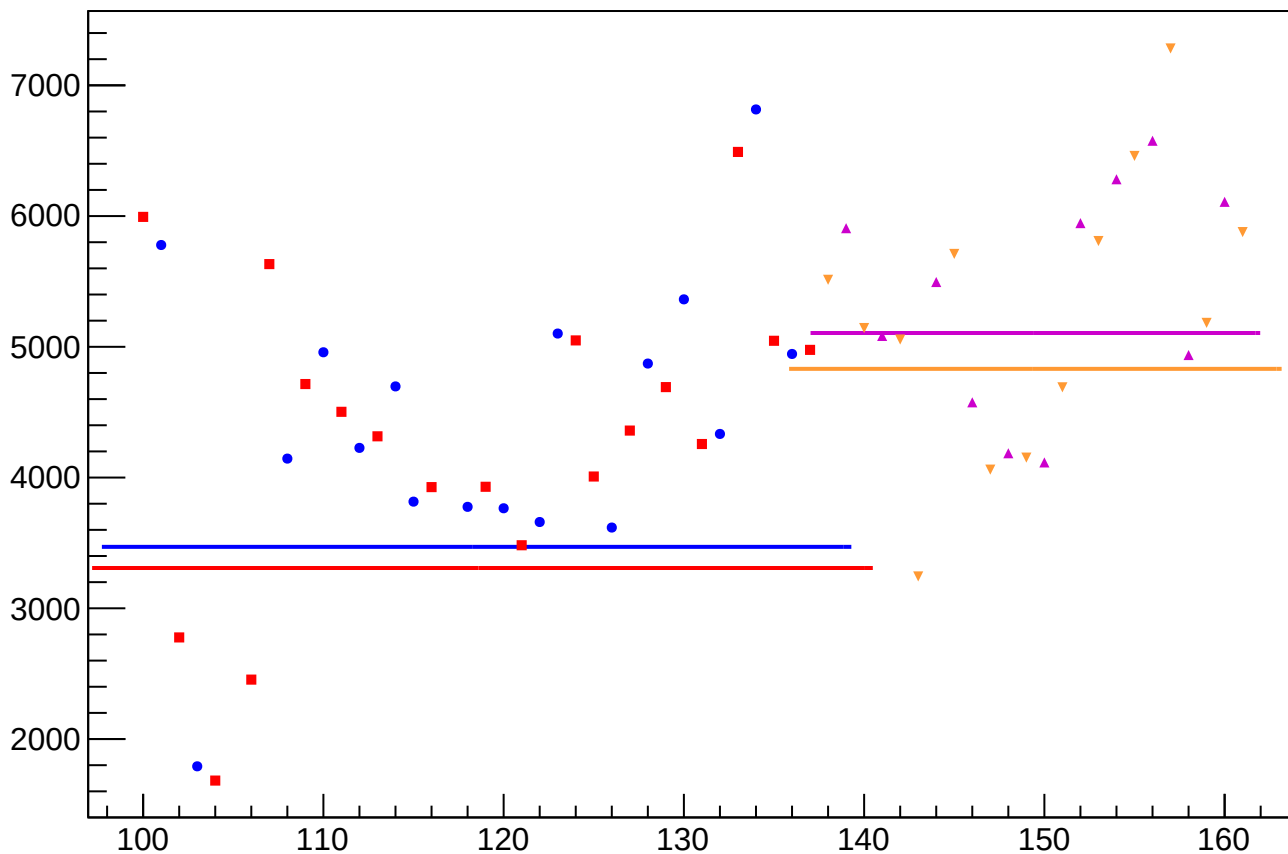
Left In: 1356.464+/-1728.485 χ^2/NDF : 6.2/10

2191.802+/-1071.973 χ^2/NDF : 31.3/29

1987.473+/-760.541 χ^2/NDF : 55.3/59

1780.380+/-1079.199 χ^2/NDF : 23.9/29

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4831.484+/-1.123 χ^2/NDF : 857563.3/12

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

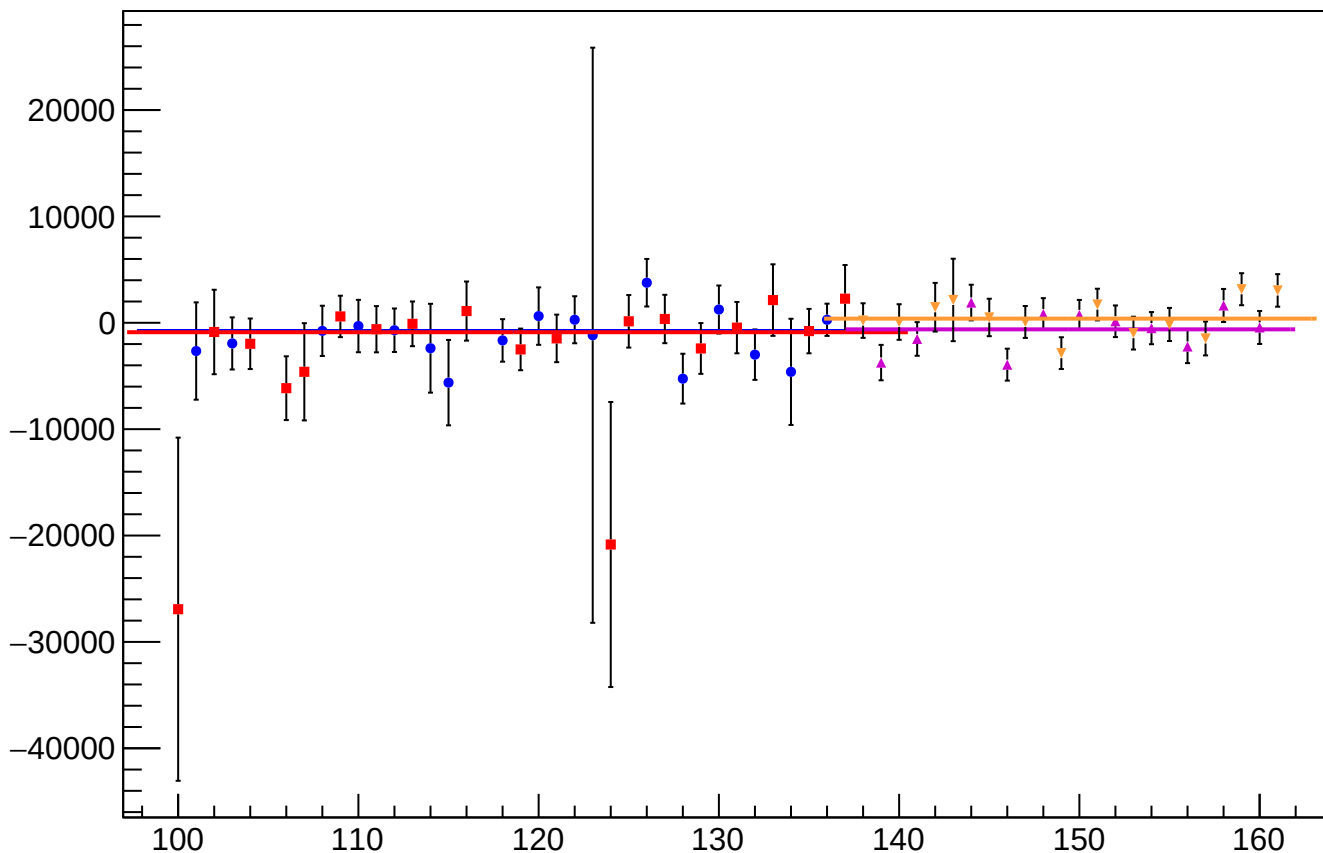
Left In: 5105.691+/-1.222 χ^2/NDF : 449006.6/10

4090.089+/-0.758 χ^2/NDF : 3418530.8/29

4045.646+/-0.536 χ^2/NDF : 7114294.1/59

4001.105+/-0.759 χ^2/NDF : 3688880.2/29

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: 390.975+/-458.617 χ^2/NDF :14.7/12

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

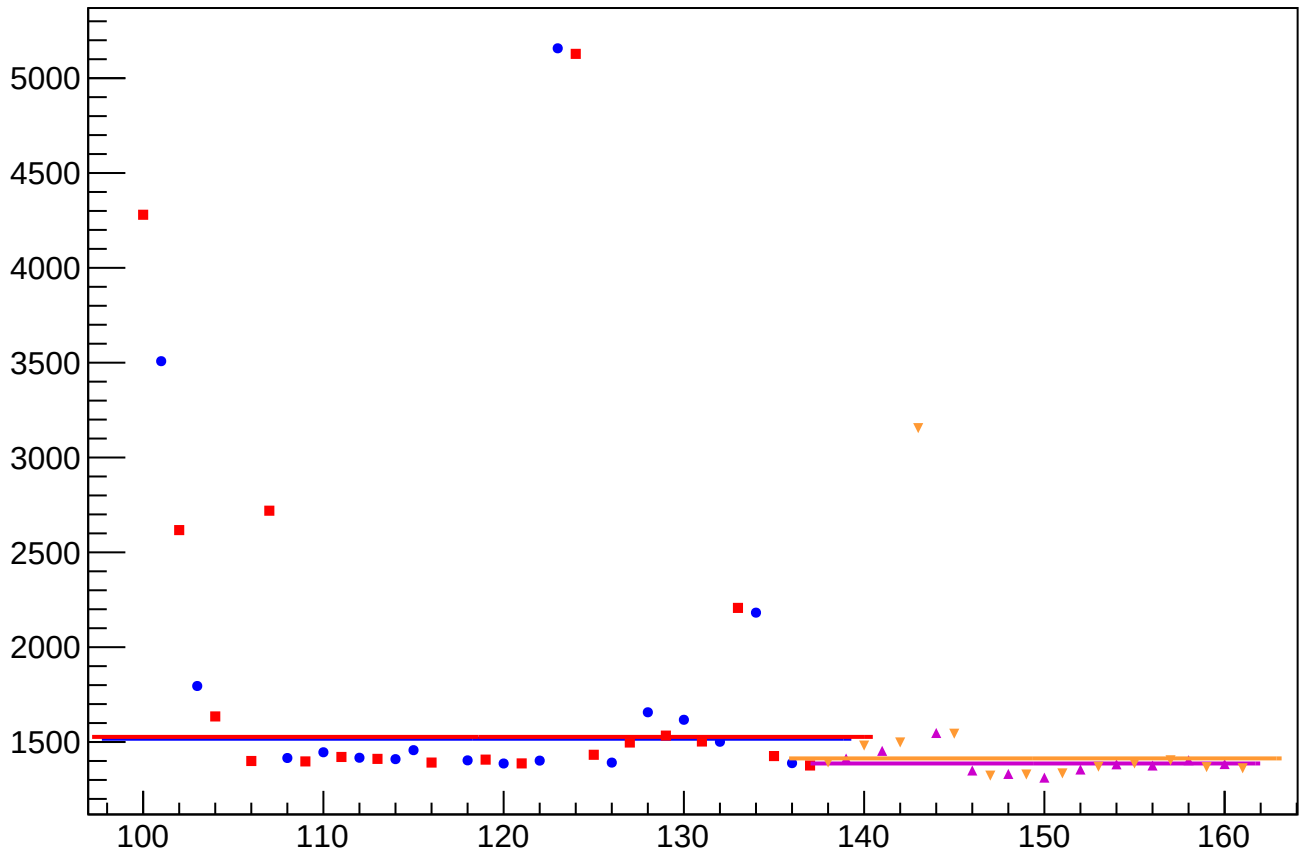
Left In: -616.521+/-464.108 χ^2/NDF :16.3/10

-34.290+/-365.188 χ^2/NDF : 30.3/29

-375.484+/-258.499 χ^2/NDF : 62.0/59

-718.123+/-365.960 χ^2/NDF : 29.9/29

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334 ± 0.427 $\chi^2/\text{NDF}: 536662.7/16$

Left Out: 1413.574 ± 0.324 $\chi^2/\text{NDF}: 446879.2/12$

Right Out: 1527.005 ± 0.421 $\chi^2/\text{NDF}: 631684.2/18$

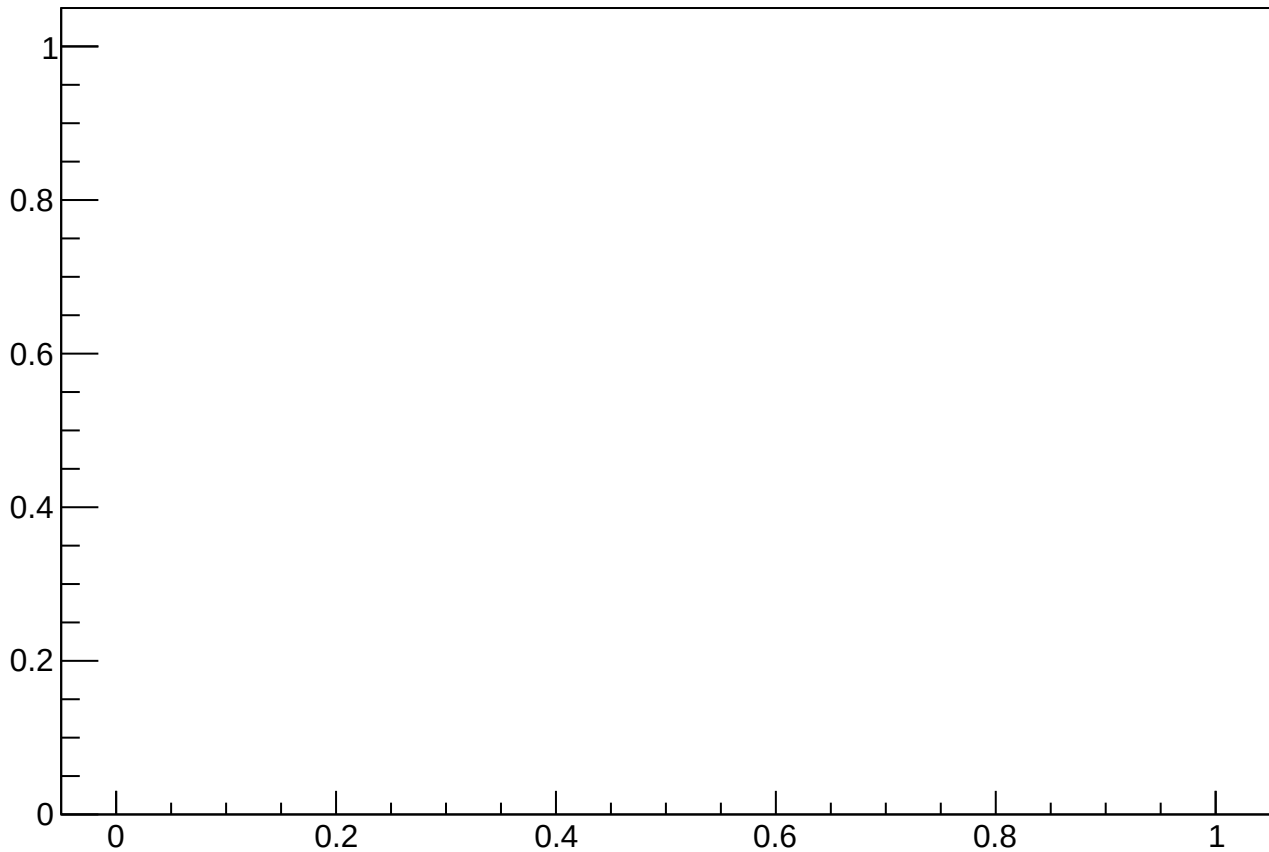
Left In: 1386.847 ± 0.328 $\chi^2/\text{NDF}: 33290.8/10$

1451.543 ± 0.258 $\chi^2/\text{NDF}: 1021005.0/29$

1445.714 ± 0.183 $\chi^2/\text{NDF}: 1755991.6/59$

1439.860 ± 0.259 $\chi^2/\text{NDF}: 733965.2/29$

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

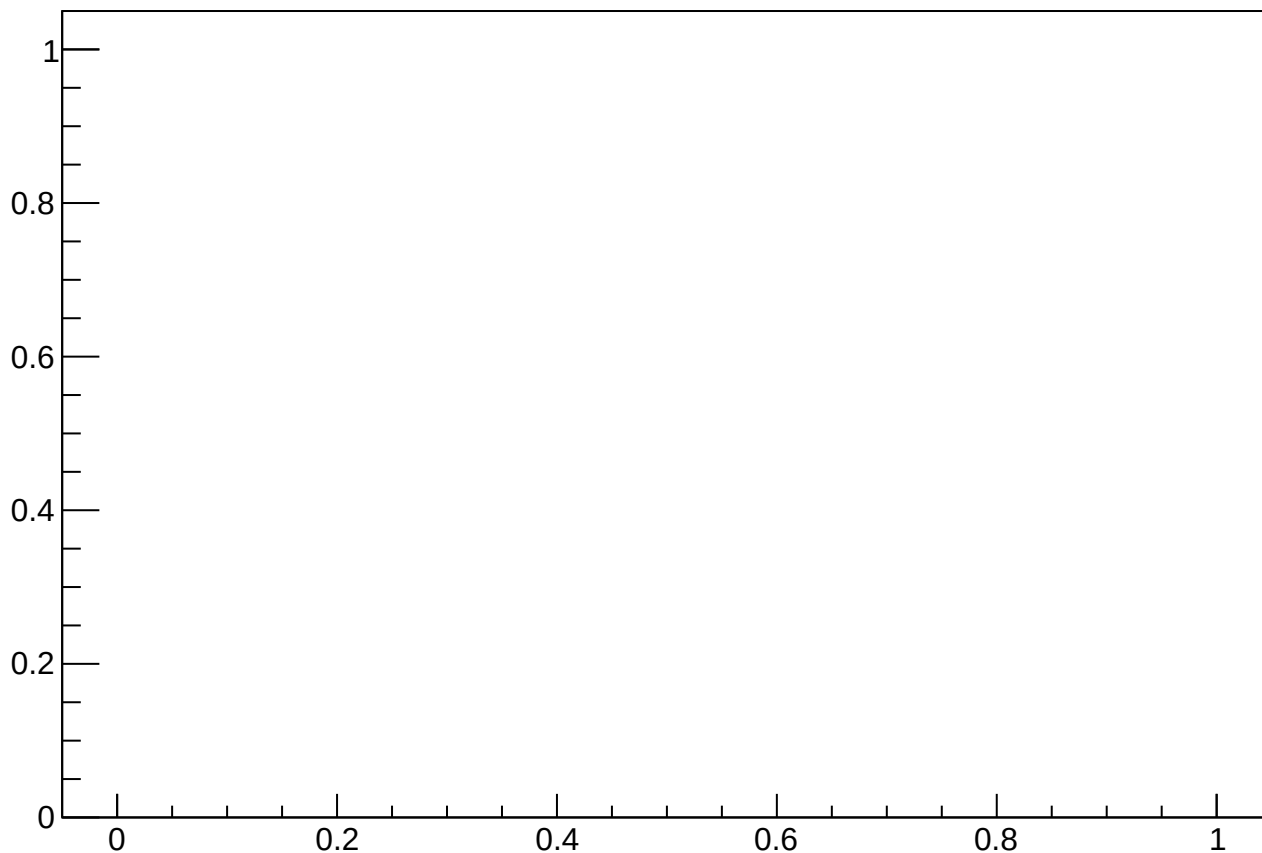
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

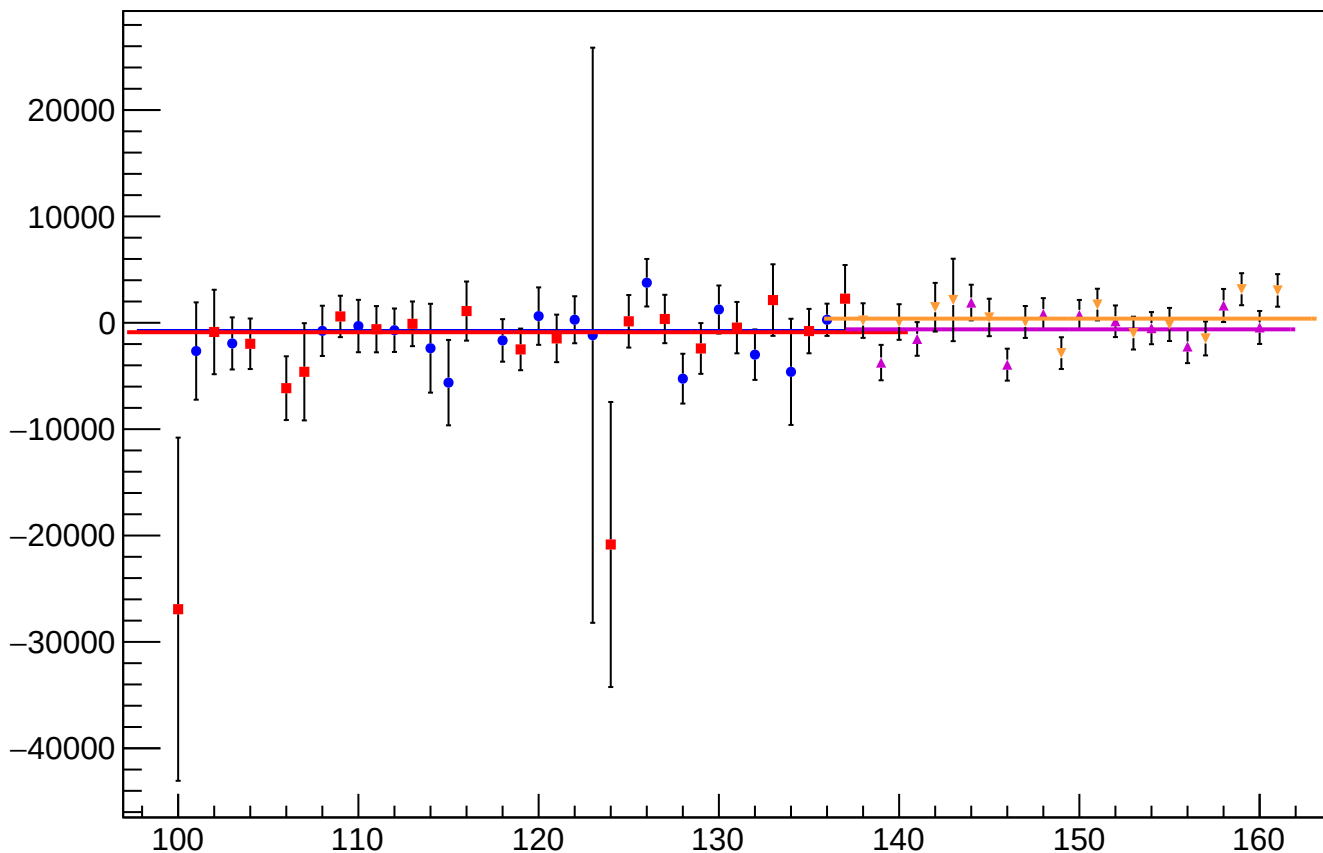
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 390.975+/-458.617 χ^2/NDF : 14.7/12

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

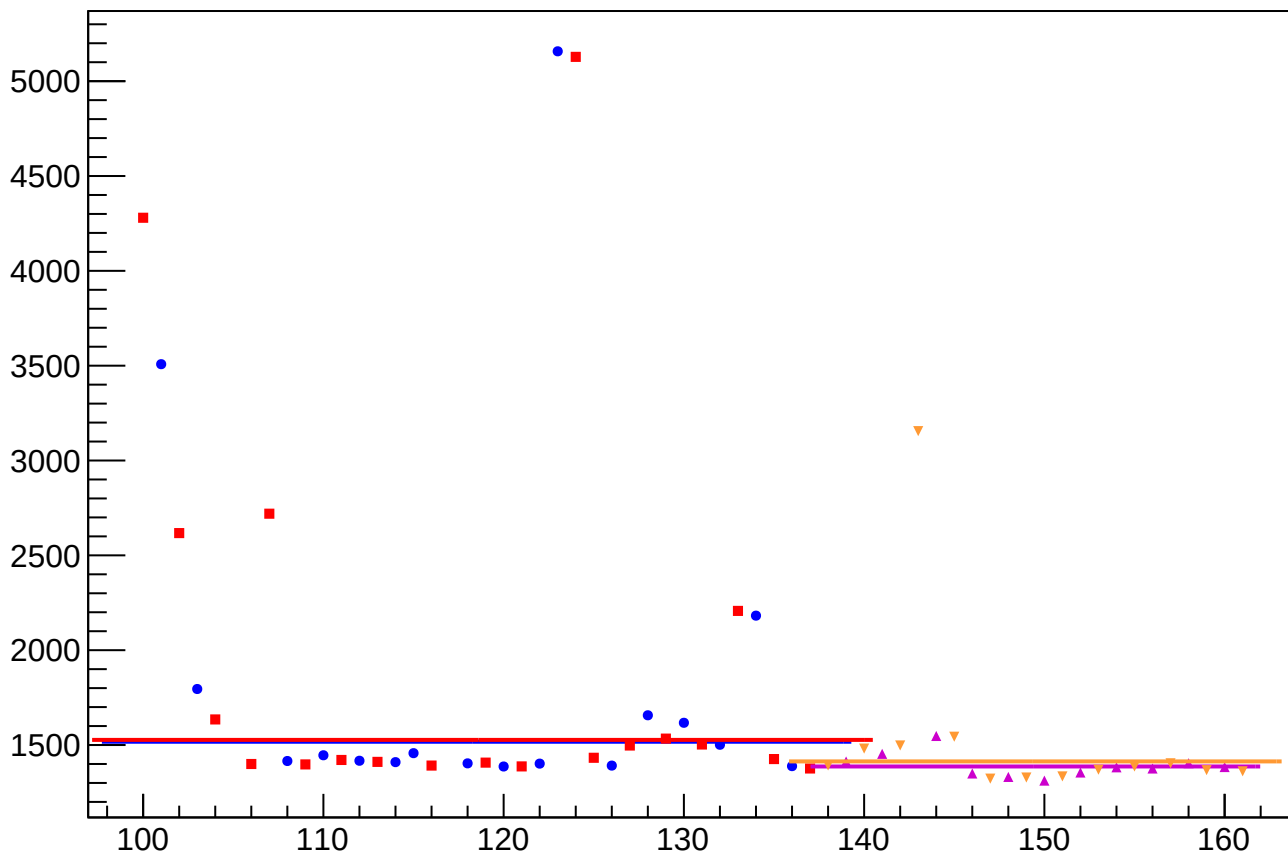
Left In: -616.521+/-464.108 χ^2/NDF : 16.3/10

-34.290+/-365.188 χ^2/NDF : 30.3/29

-375.484+/-258.499 χ^2/NDF : 62.0/59

-718.123+/-365.960 χ^2/NDF : 29.9/29

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: 1413.574+/-0.324 χ^2/NDF : 446879.2/12

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

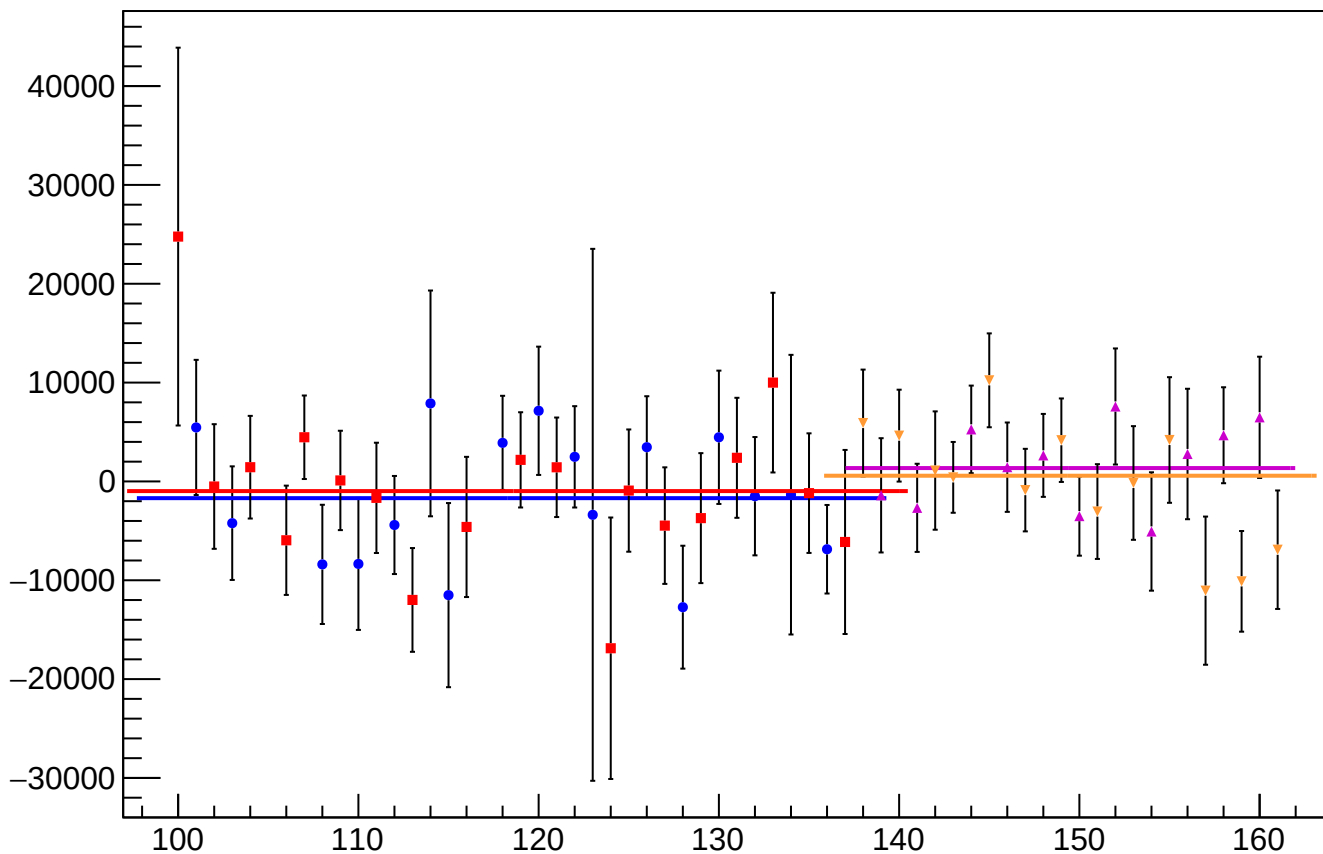
Left In: 1386.847+/-0.328 χ^2/NDF : 33290.8/10

1451.543+/-0.258 χ^2/NDF : 1021005.0/29

1445.714+/-0.183 χ^2/NDF : 1755991.6/59

1439.860+/-0.259 χ^2/NDF : 733965.2/29

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 576.712 ± 1377.820 χ^2/NDF : 16.0/12

Right Out: -977.899 ± 1378.874 χ^2/NDF : 13.9/18

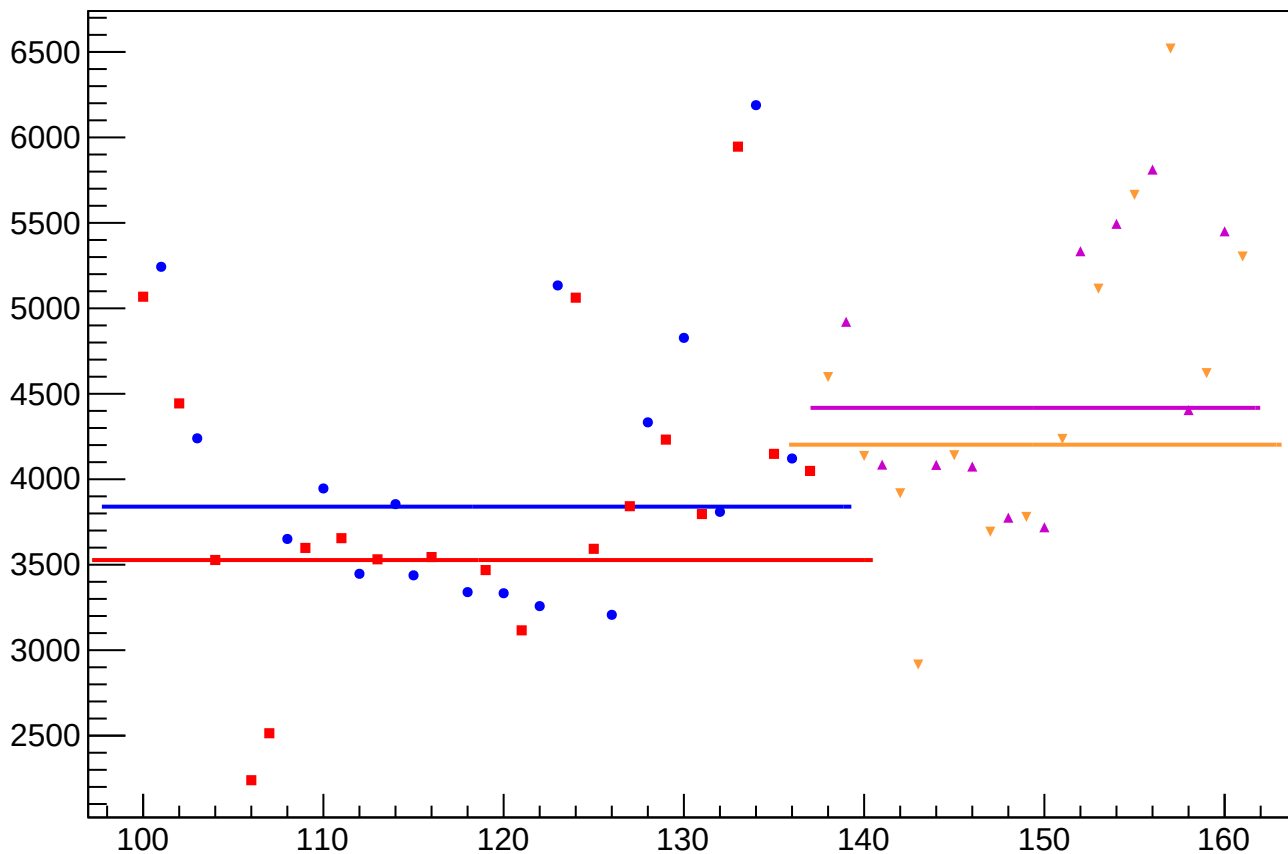
Left In: 1351.917 ± 1493.827 χ^2/NDF : 6.9/10

-452.108 ± 1018.691 χ^2/NDF : 33.1/29

-177.618 ± 718.380 χ^2/NDF : 55.4/59

93.929 ± 1013.216 χ^2/NDF : 22.1/29

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: 4202.259+/-0.974 χ^2/NDF : 751928.6/12

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

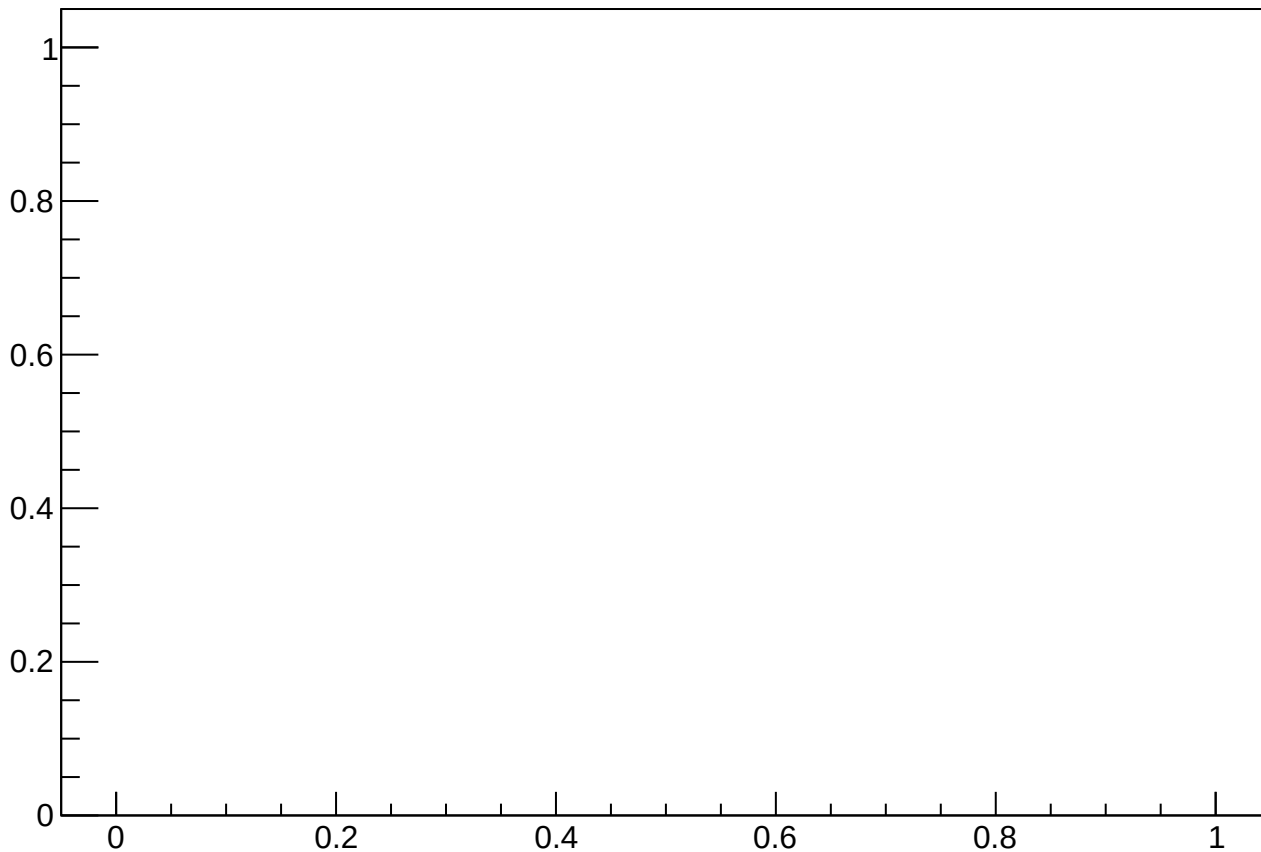
Left In: 4417.815+/-1.056 χ^2/NDF : 416288.3/10

4037.907+/-0.720 χ^2/NDF : 1140655.7/29

3984.889+/-0.507 χ^2/NDF : 2509424.9/59

3932.954+/-0.713 χ^2/NDF : 1358044.7/29

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

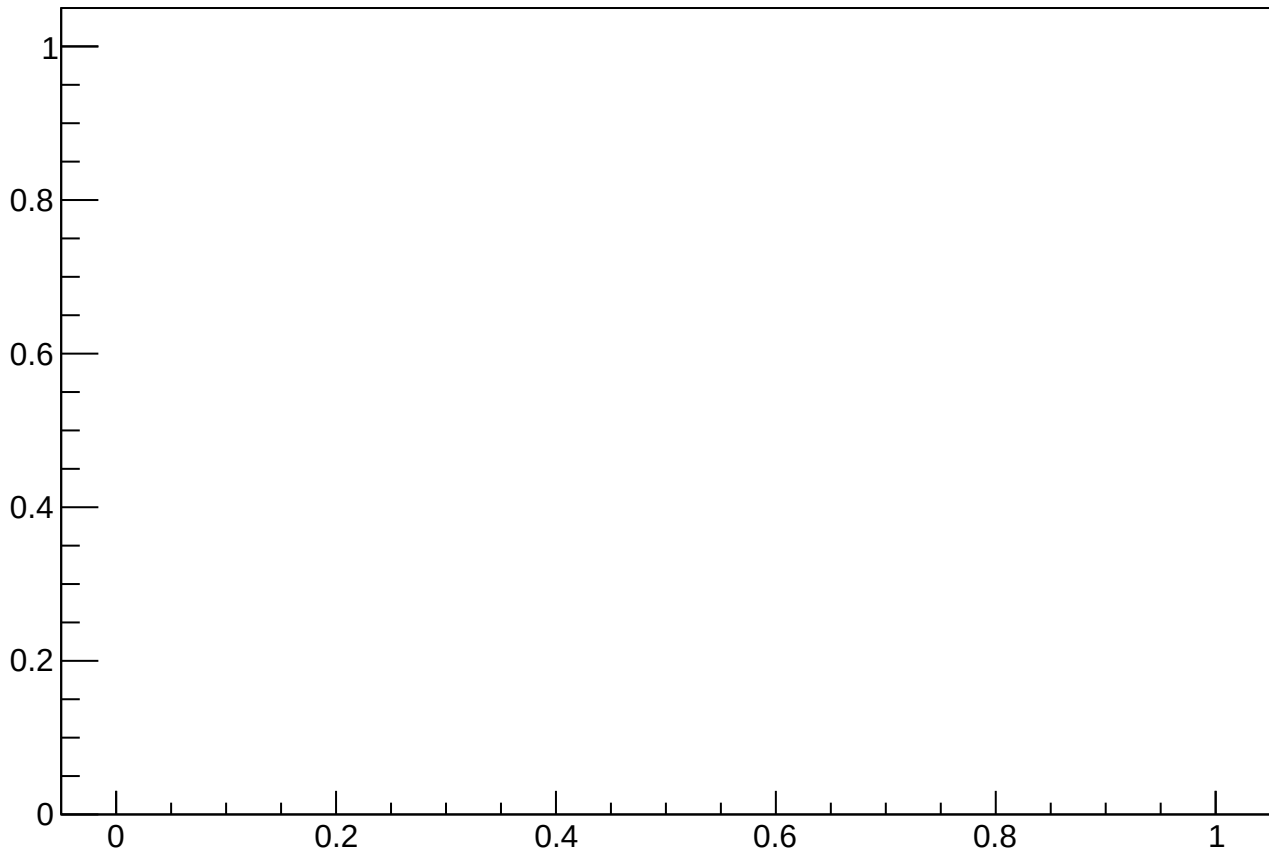
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

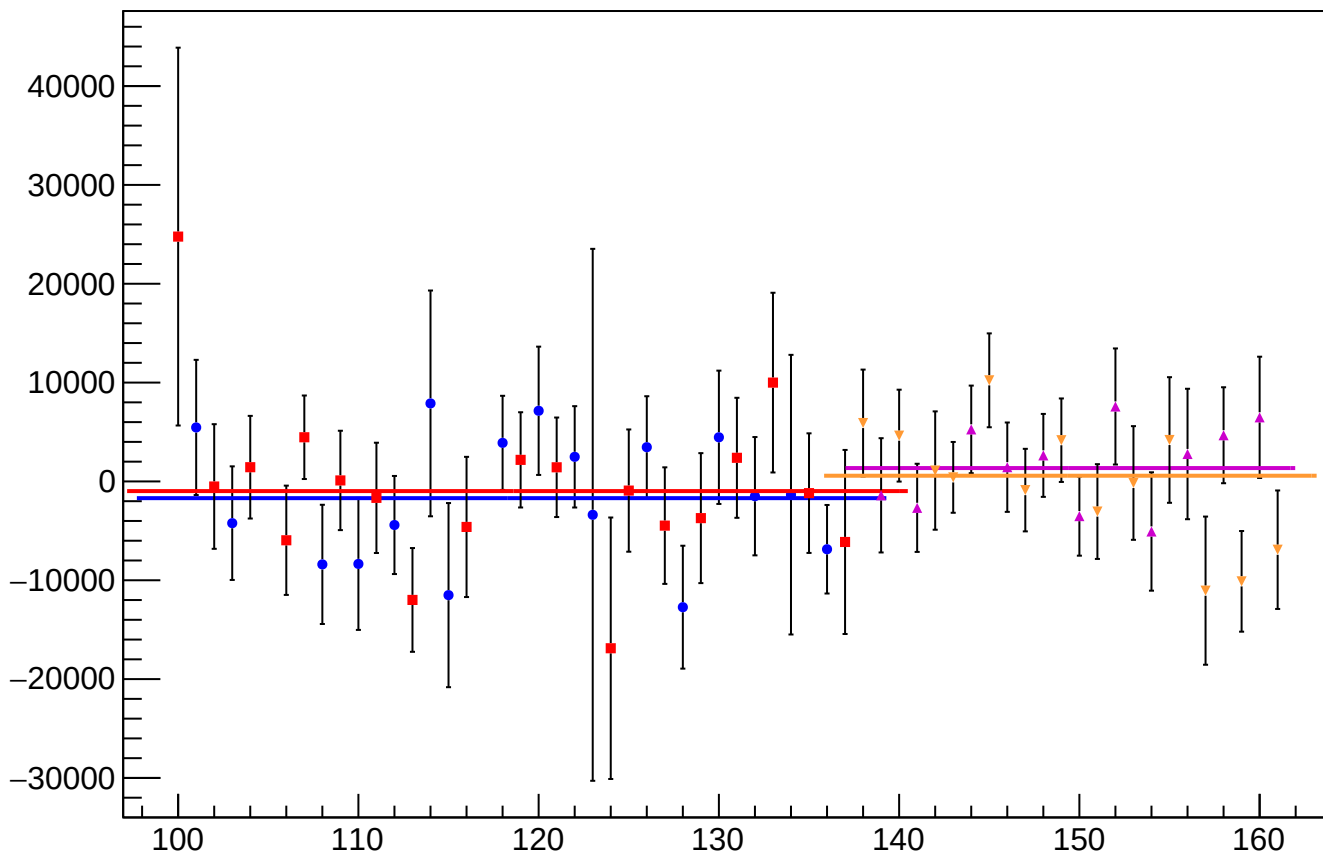
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 576.712 ± 1377.820 $\chi^2/\text{NDF}: 16.0/12$

Right Out: -977.899 ± 1378.874 $\chi^2/\text{NDF}: 13.9/18$

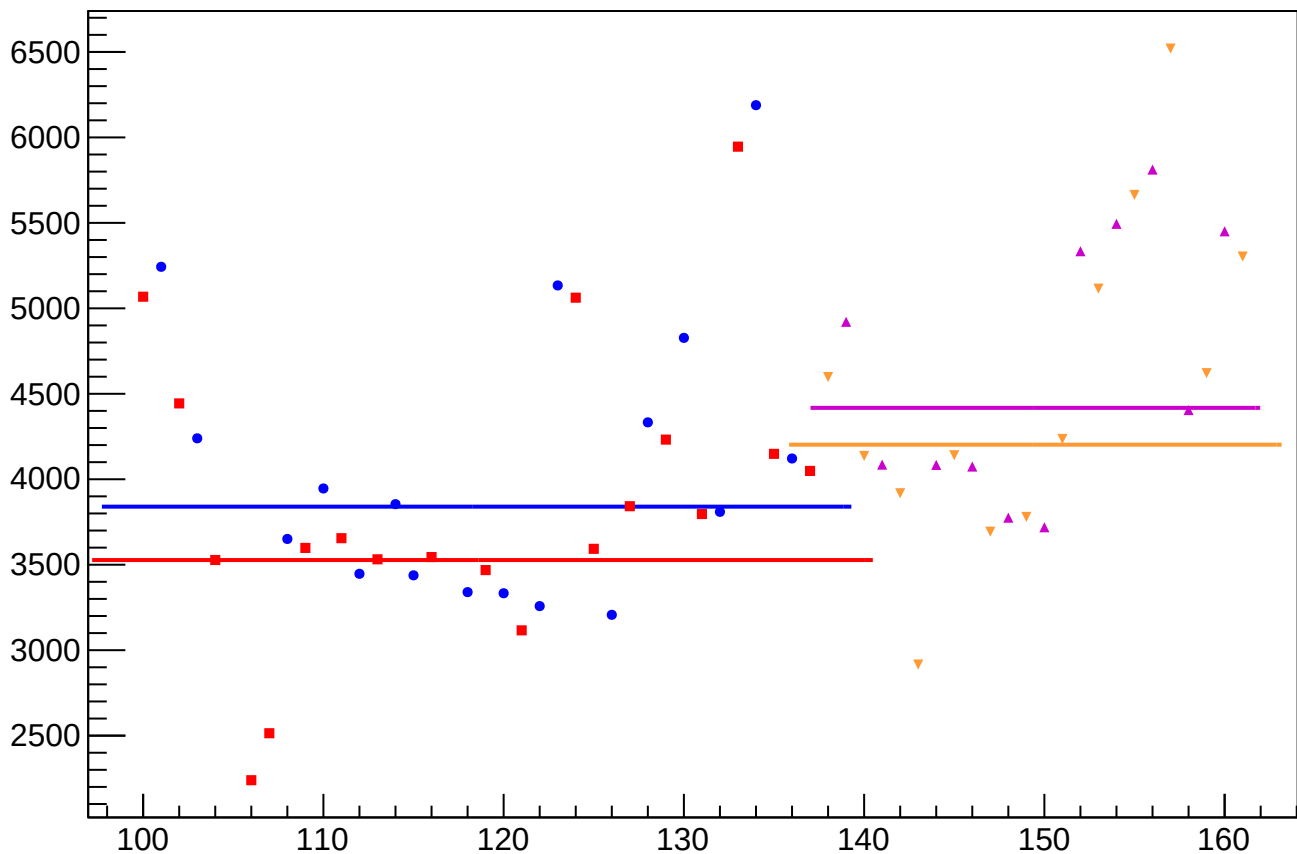
Left In: 1351.917 ± 1493.827 $\chi^2/\text{NDF}: 6.9/10$

-452.108 ± 1018.691 $\chi^2/\text{NDF}: 33.1/29$

-177.618 ± 718.380 $\chi^2/\text{NDF}: 55.4/59$

93.929 ± 1013.216 $\chi^2/\text{NDF}: 22.1/29$

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: 4202.259+/-0.974 χ^2/NDF : 751928.6/12

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

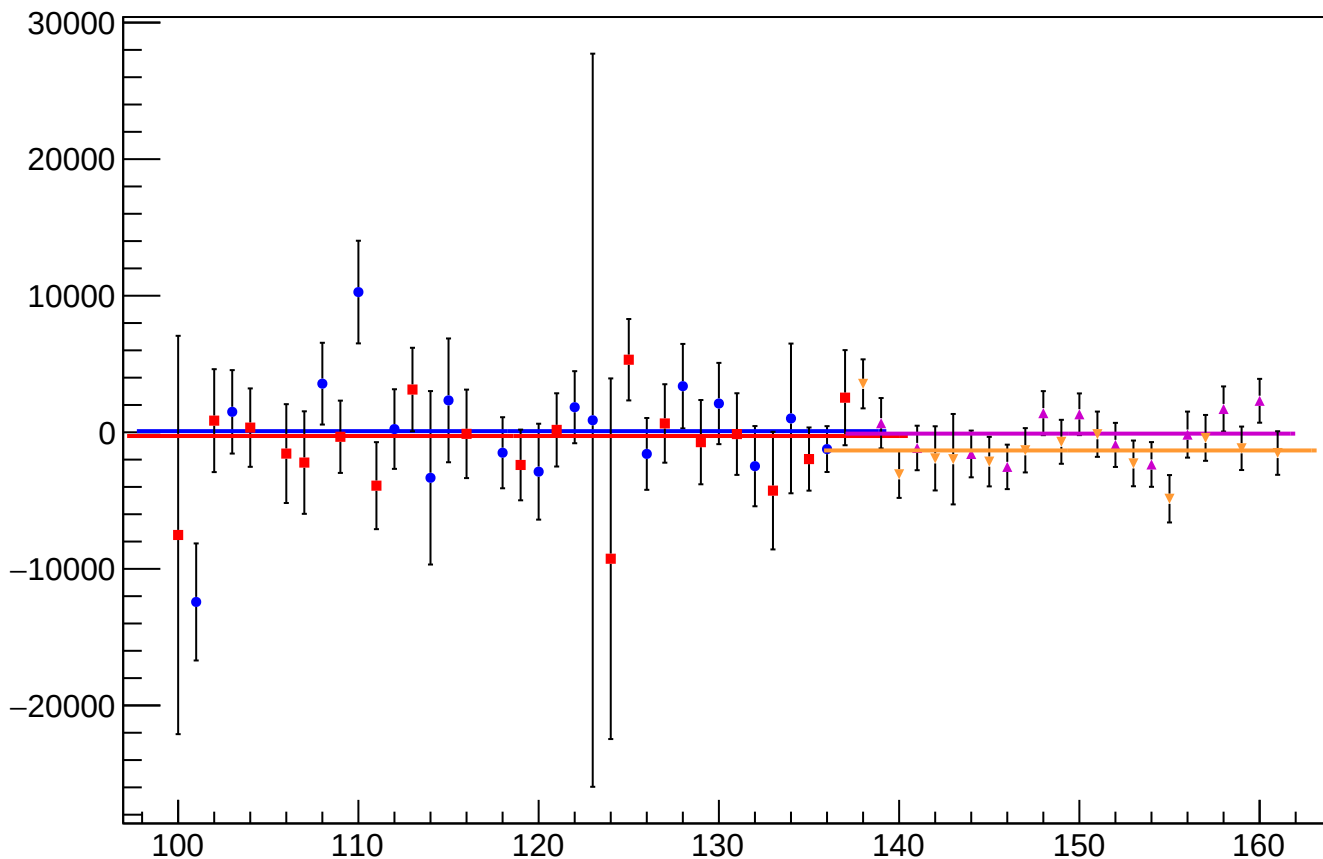
Left In: 4417.815+/-1.056 χ^2/NDF : 416288.3/10

4037.907+/-0.720 χ^2/NDF : 1140655.7/29

3984.889+/-0.507 χ^2/NDF : 2509424.9/59

3932.954+/-0.713 χ^2/NDF : 1358044.7/29

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1330.057+/-488.890 χ^2/NDF :14.2/12

Right Out: -272.707+/-734.115 χ^2/NDF : 10.2/18

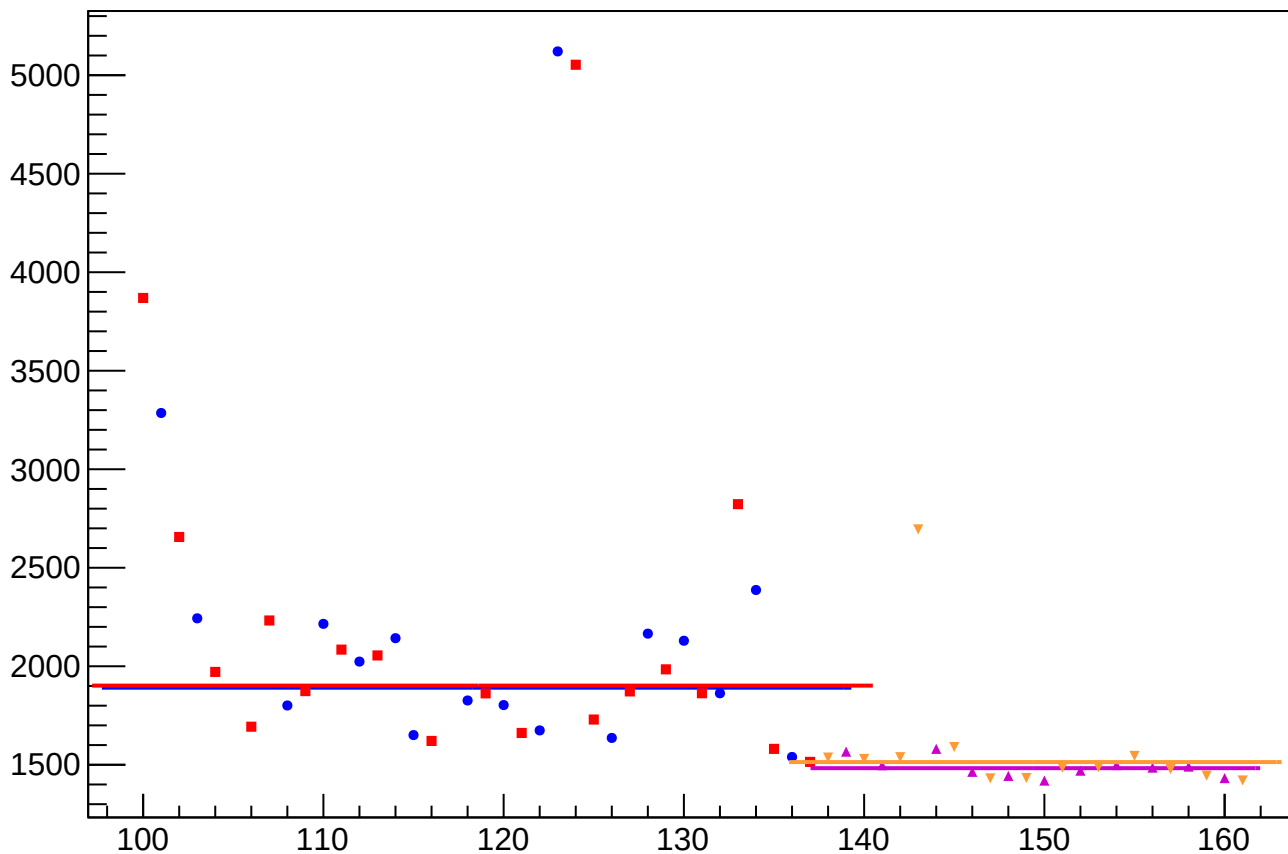
Left In: -98.361+/-495.875 χ^2/NDF :10.9/10

-908.856+/-409.649 χ^2/NDF : 39.6/29

-532.087+/-290.112 χ^2/NDF : 62.4/59

-152.986+/-410.915 χ^2/NDF : 21.1/29

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2/NDF : 464497.5/16

Left Out: 1513.689 $\pm$ 0.346 χ^2/NDF : 282106.4/12

Right Out: 1901.797 $\pm$ 0.519 χ^2/NDF : 460687.3/18

Left In: 1482.804 $\pm$ 0.351 χ^2/NDF : 18056.6/10

1626.237 $\pm$ 0.290 χ^2/NDF : 1102404.9/29

1620.178 $\pm$ 0.205 χ^2/NDF : 2029415.2/59

1614.082 $\pm$ 0.291 χ^2/NDF : 926132.7/29

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

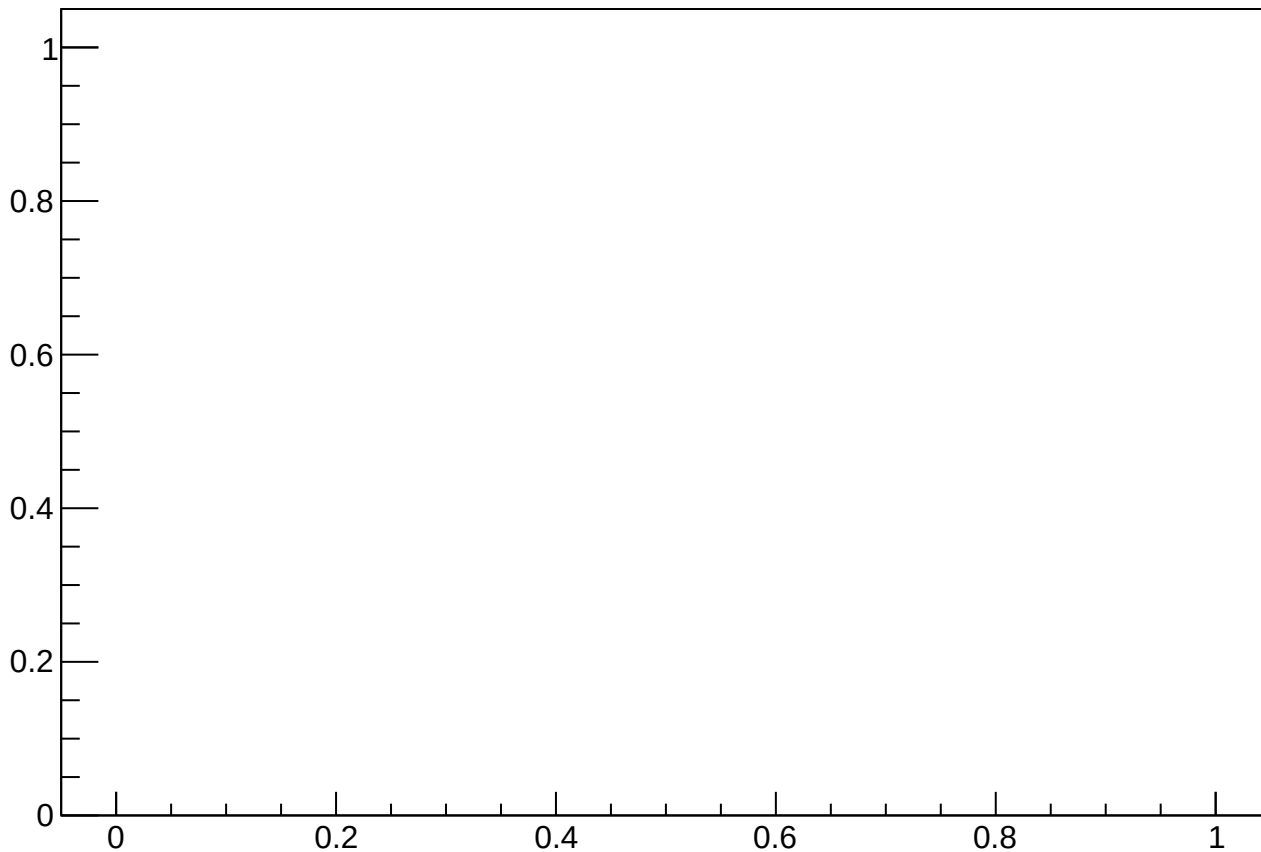
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

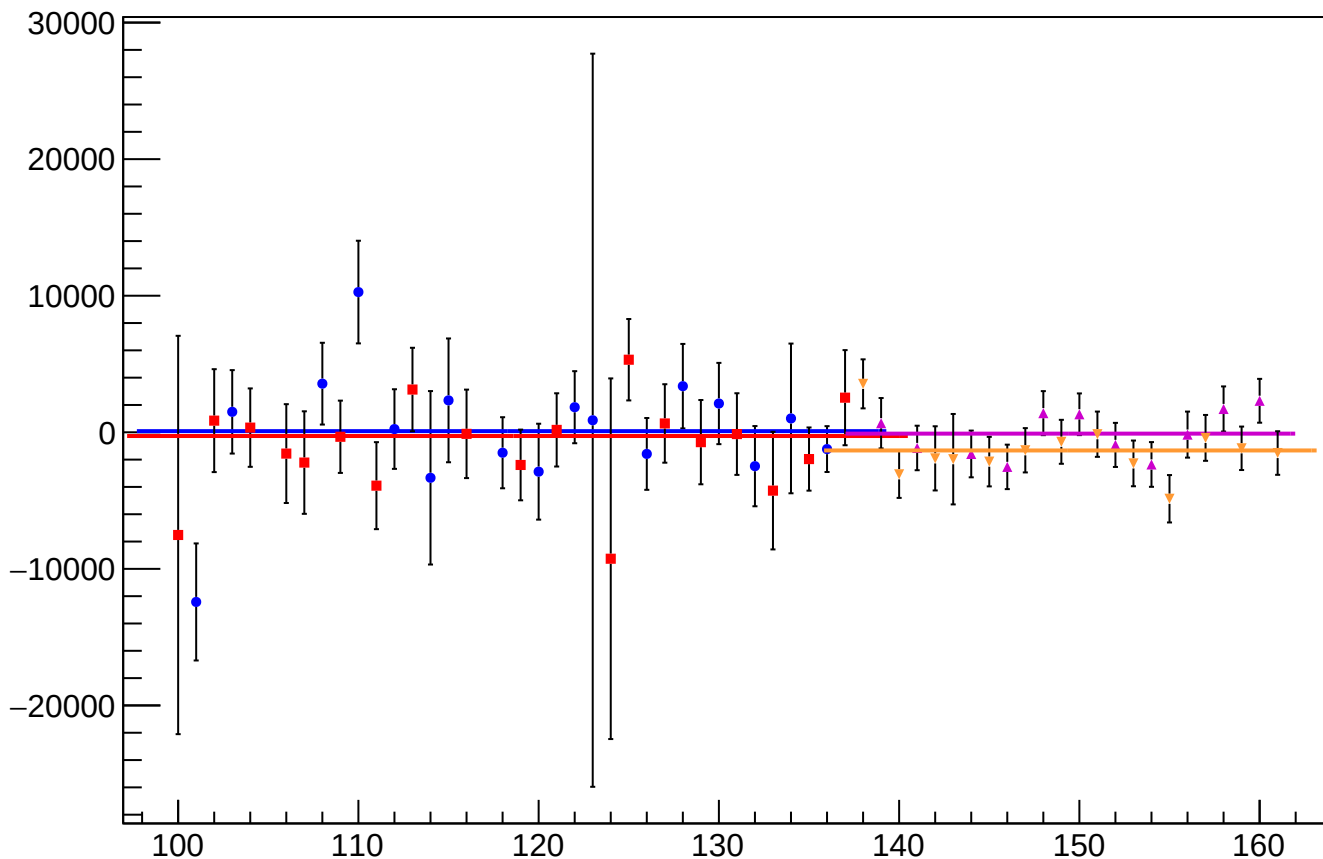
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1330.057+/-488.890 χ^2/NDF : 14.2/12

Right Out: -272.707+/-734.115 χ^2/NDF : 10.2/18

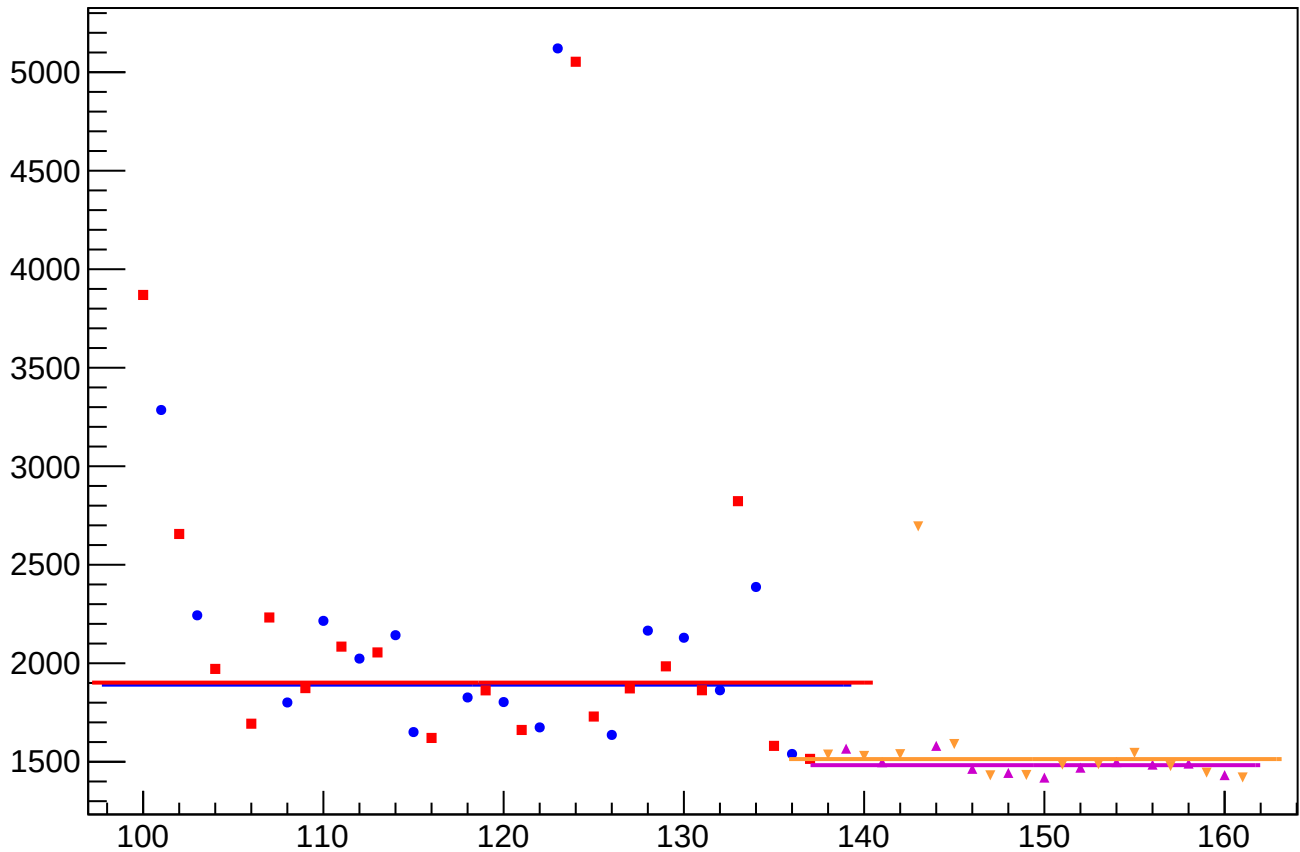
Left In: -98.361+/-495.875 χ^2/NDF : 10.9/10

-908.856+/-409.649 χ^2/NDF : 39.6/29

-532.087+/-290.112 χ^2/NDF : 62.4/59

-152.986+/-410.915 χ^2/NDF : 21.1/29

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: 1513.689+/-0.346 χ^2/NDF : 282106.4/12

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

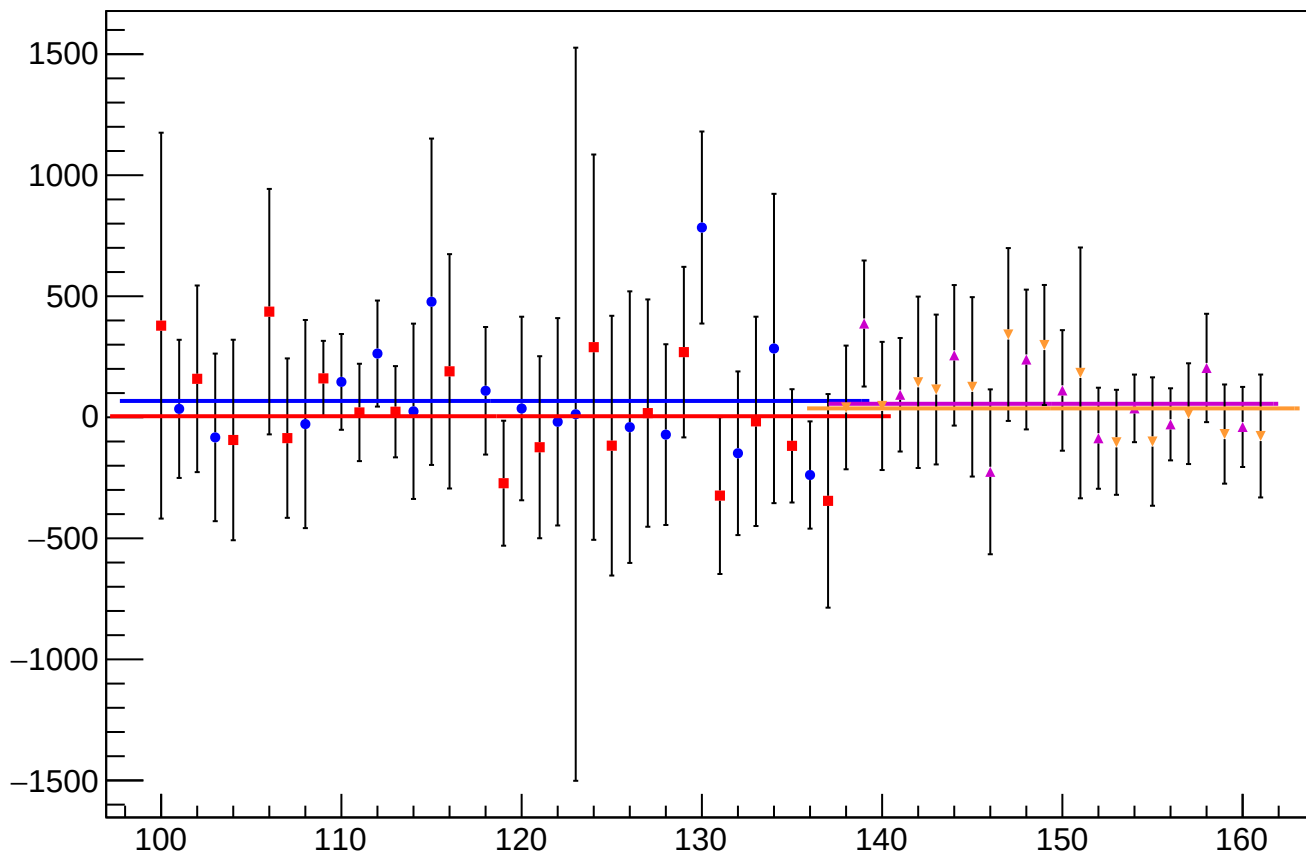
Left In: 1482.804+/-0.351 χ^2/NDF : 18056.6/10

1626.237+/-0.290 χ^2/NDF : 1102404.9/29

1620.178+/-0.205 χ^2/NDF : 2029415.2/59

1614.082+/-0.291 χ^2/NDF : 926132.7/29

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: 36.768 $\pm$ 74.324 χ^2 /NDF: 3.3/12

Right Out: 4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

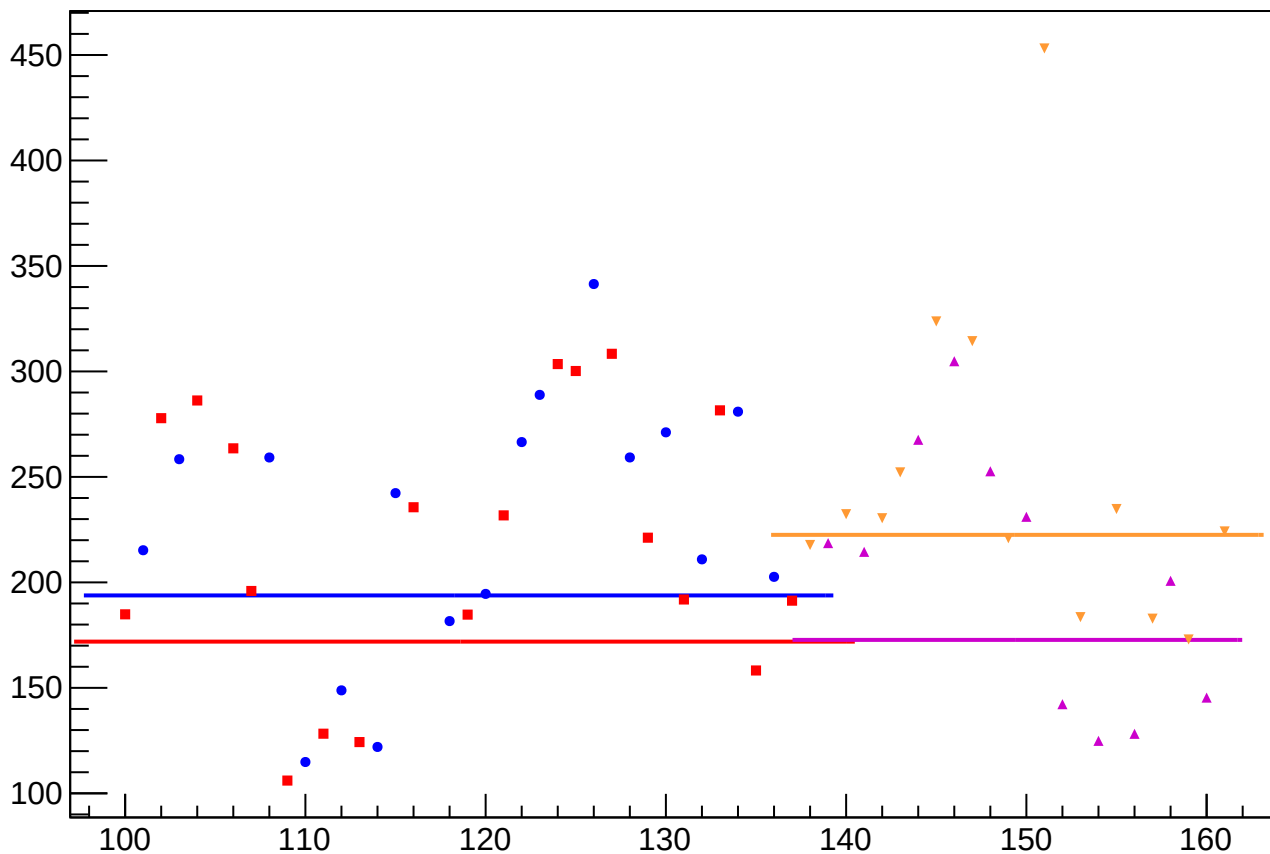
Left In: 55.808 $\pm$ 62.329 χ^2 /NDF: 4.8/10

51.100 $\pm$ 54.327 χ^2 /NDF: 10.9/29

40.714 $\pm$ 35.350 χ^2 /NDF: 22.5/59

33.088 $\pm$ 46.553 χ^2 /NDF: 11.5/29

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: 222.529+/-0.053 χ^2/NDF : 959596.2/12

Right Out: 171.920+/-0.050 χ^2/NDF : 1577076.0/18

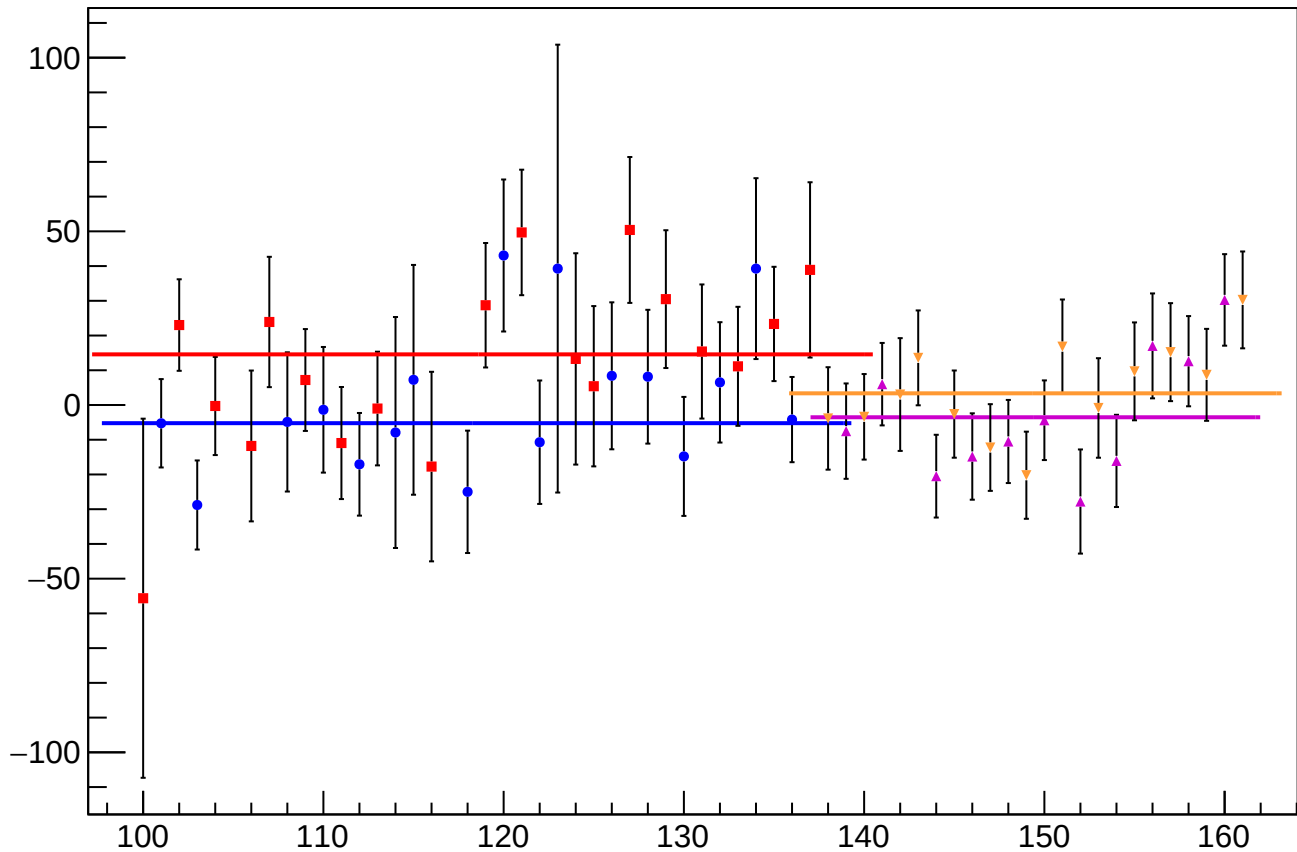
Left In: 172.737+/-0.044 χ^2/NDF : 1445508.7/10

209.157+/-0.038 χ^2/NDF : 2108941.7/29

187.949+/-0.025 χ^2/NDF : 5660276.0/59

172.376+/-0.033 χ^2/NDF : 3022736.6/29

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: 3.363 ± 3.762 χ^2/NDF : 12.3/12

Right Out: 14.579 ± 4.265 χ^2/NDF : 19.5/18

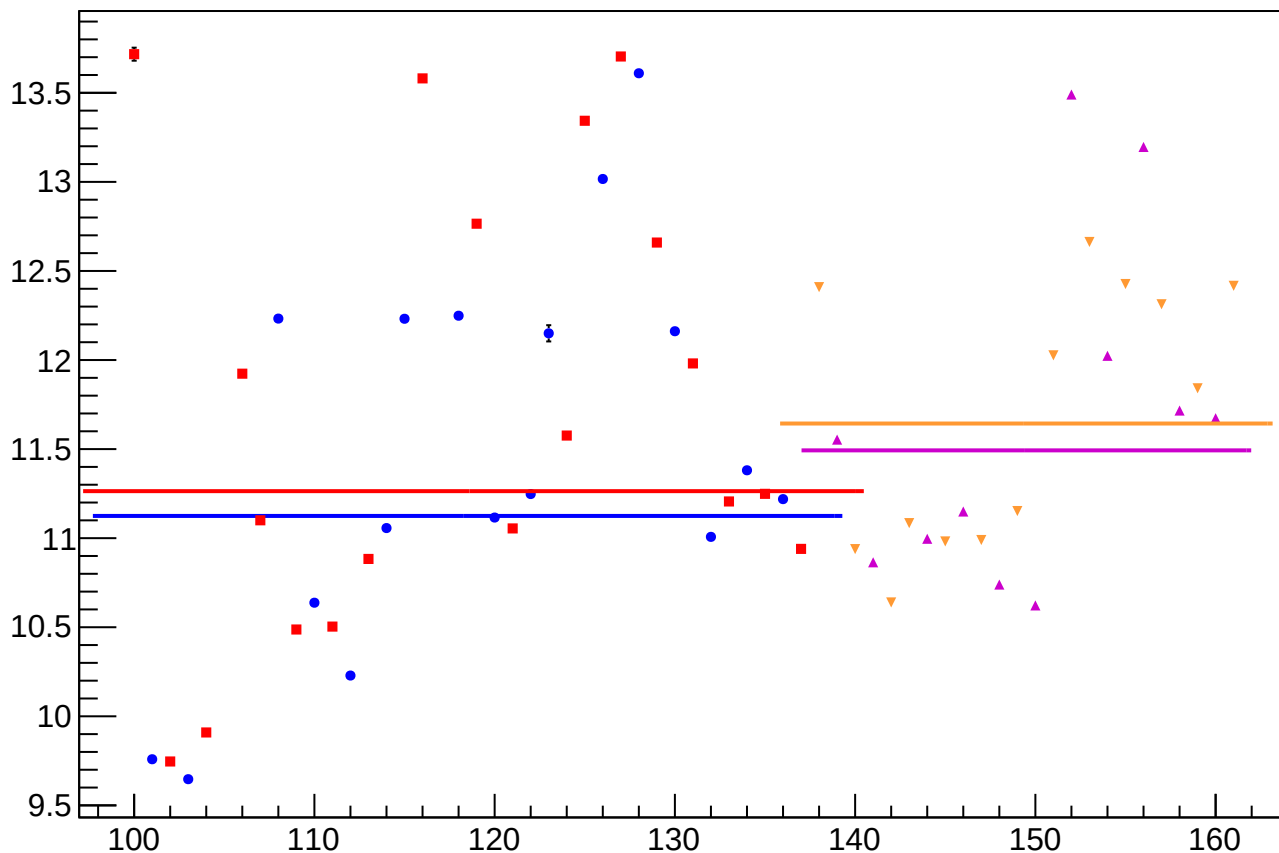
Left In: -3.531 ± 3.872 χ^2/NDF : 17.4/10

-0.308 ± 2.847 χ^2/NDF : 30.0/29

2.154 ± 2.020 χ^2/NDF : 78.3/59

4.652 ± 2.867 χ^2/NDF : 46.8/29

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125+/-0.003 χ^2/NDF : 132520.1/16

Left Out: 11.644+/-0.003 χ^2/NDF : 66052.0/12

Right Out: 11.264+/-0.003 χ^2/NDF : 147733.2/18

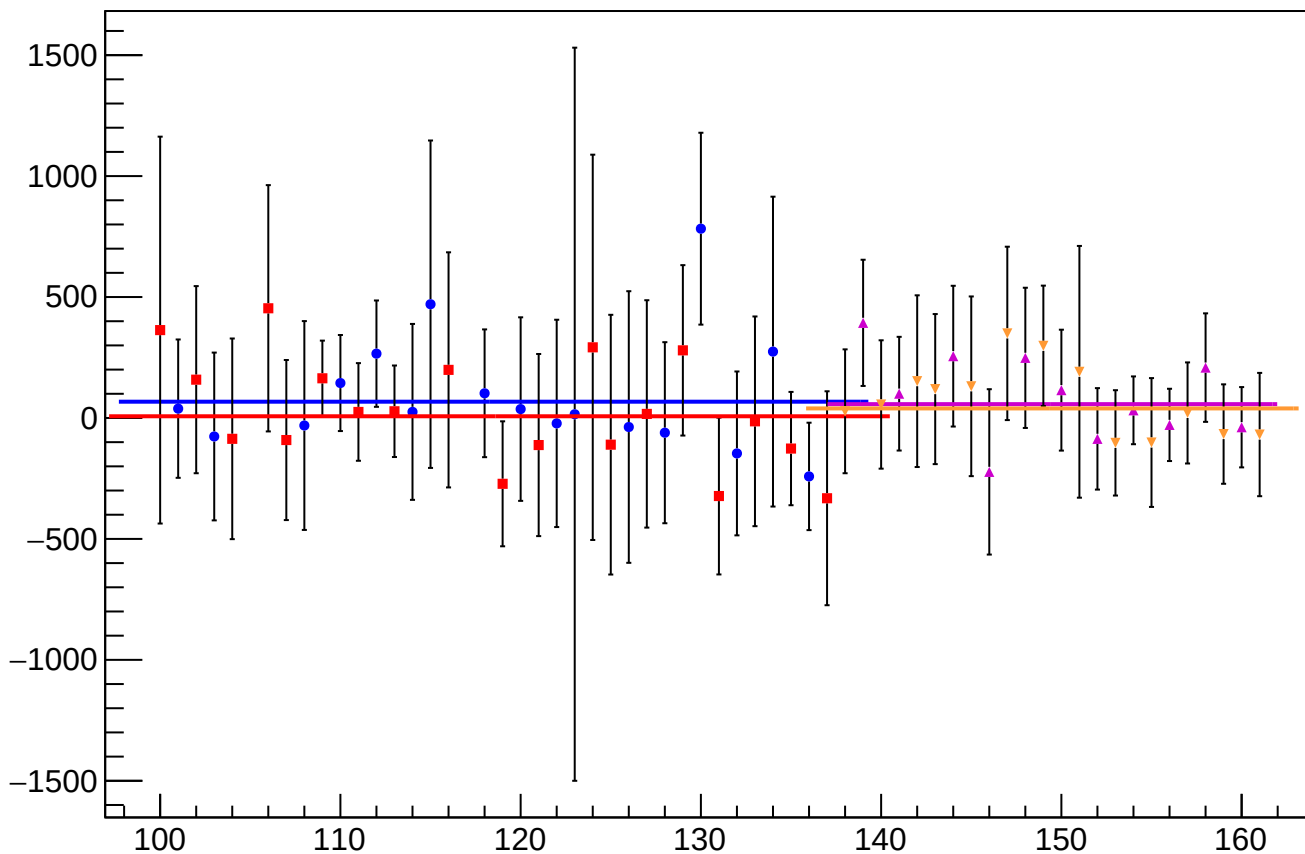
Left In: 11.493+/-0.003 χ^2/NDF : 95194.4/10

11.422+/-0.002 χ^2/NDF : 214819.5/29

11.406+/-0.001 χ^2/NDF : 461034.9/59

11.389+/-0.002 χ^2/NDF : 246085.8/29

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: 39.473+/-74.576 χ^2/NDF : 3.3/12

Right Out: 7.039+/-70.212 χ^2/NDF : 6.4/18

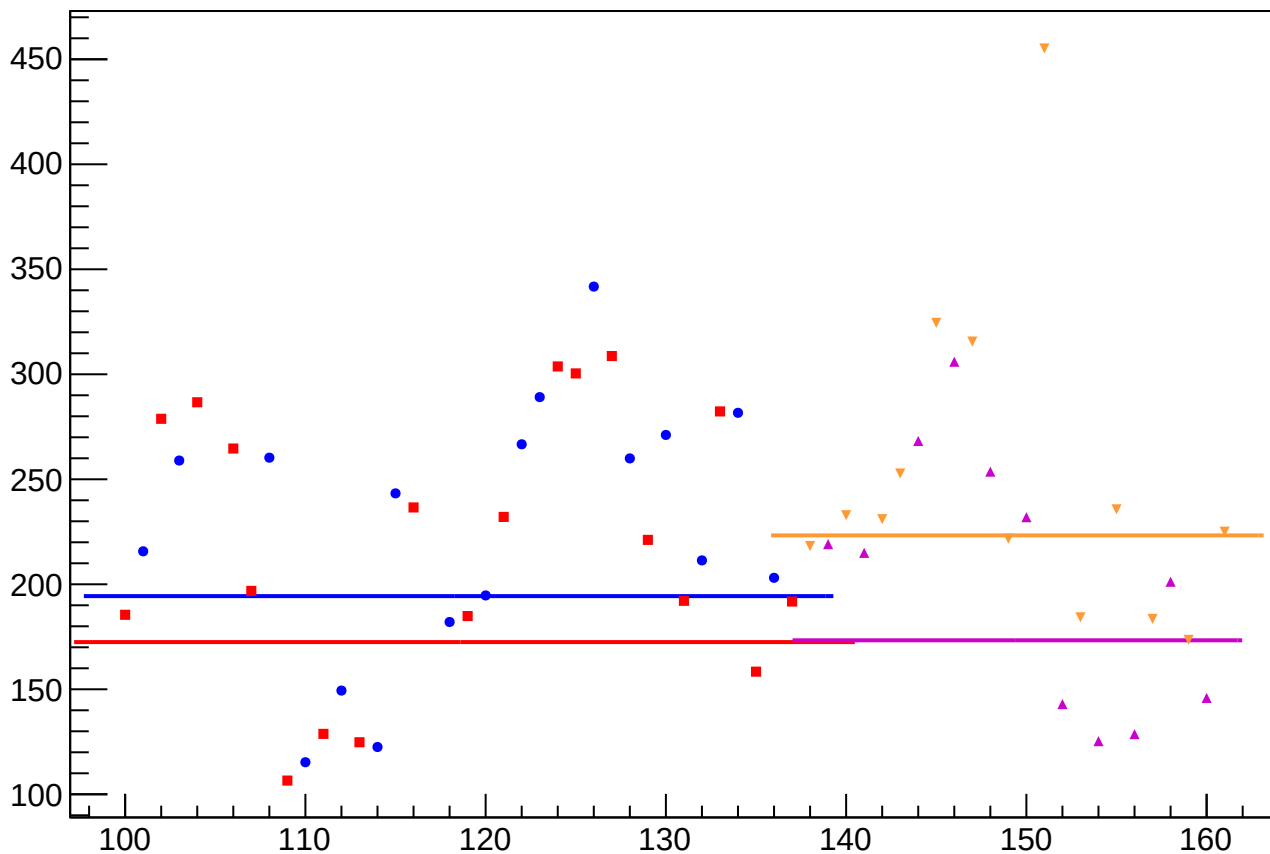
Left In: 57.182+/-62.537 χ^2/NDF : 4.9/10

52.445+/-54.492 χ^2/NDF : 10.9/29

42.387+/-35.459 χ^2/NDF : 22.6/59

35.000+/-46.699 χ^2/NDF : 11.7/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365 +/- 0.056 χ^2/NDF : 1005234.4/16

Left Out: 223.285 +/- 0.053 χ^2/NDF : 958881.8/12

Right Out: 172.471 +/- 0.050 χ^2/NDF : 1569648.4/18

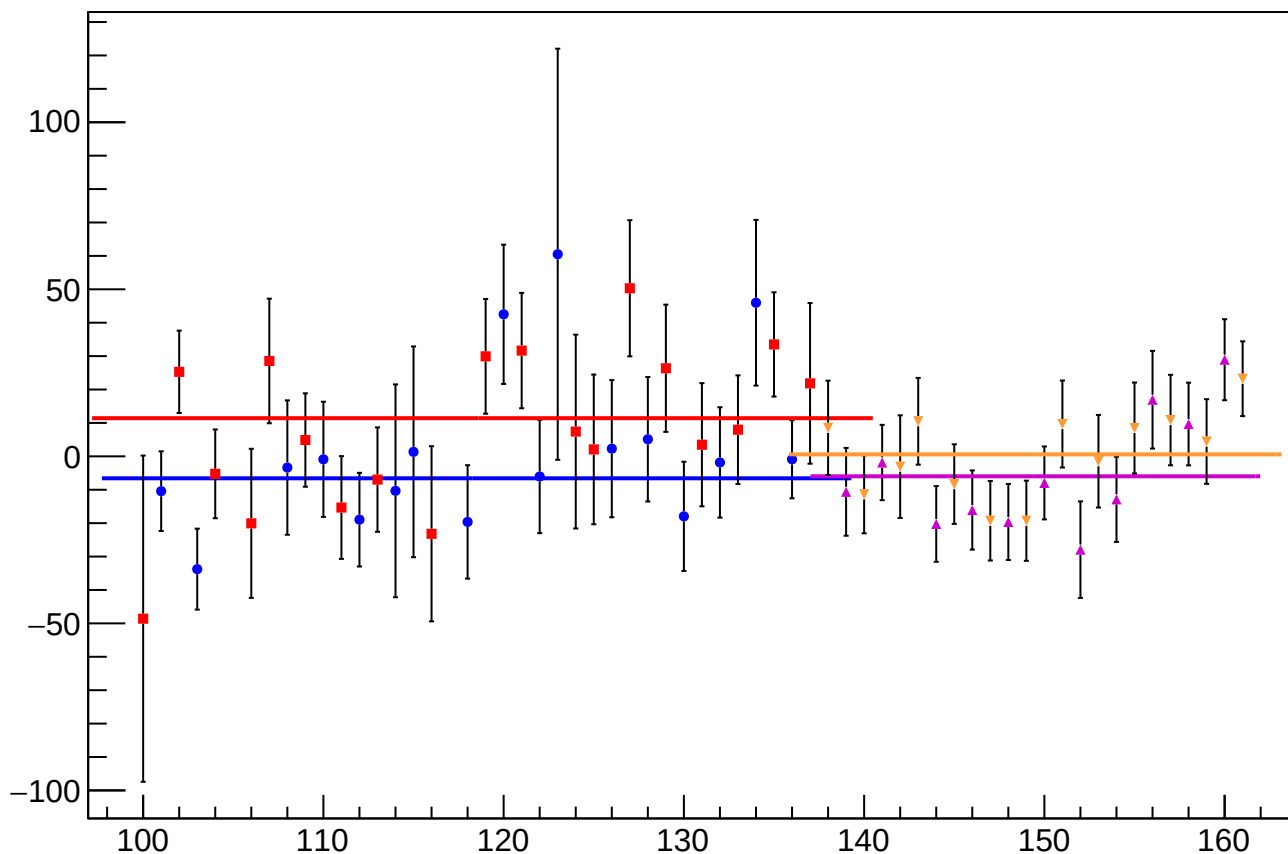
Left In: 173.322 +/- 0.044 χ^2/NDF : 1443146.6/10

209.806 +/- 0.039 χ^2/NDF : 2104303.8/29

188.554 +/- 0.025 χ^2/NDF : 5644889.4/59

172.946 +/- 0.033 χ^2/NDF : 3012958.7/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: 0.592 ± 3.541 $\chi^2/\text{NDF}: 13.7/12$

Right Out: 11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

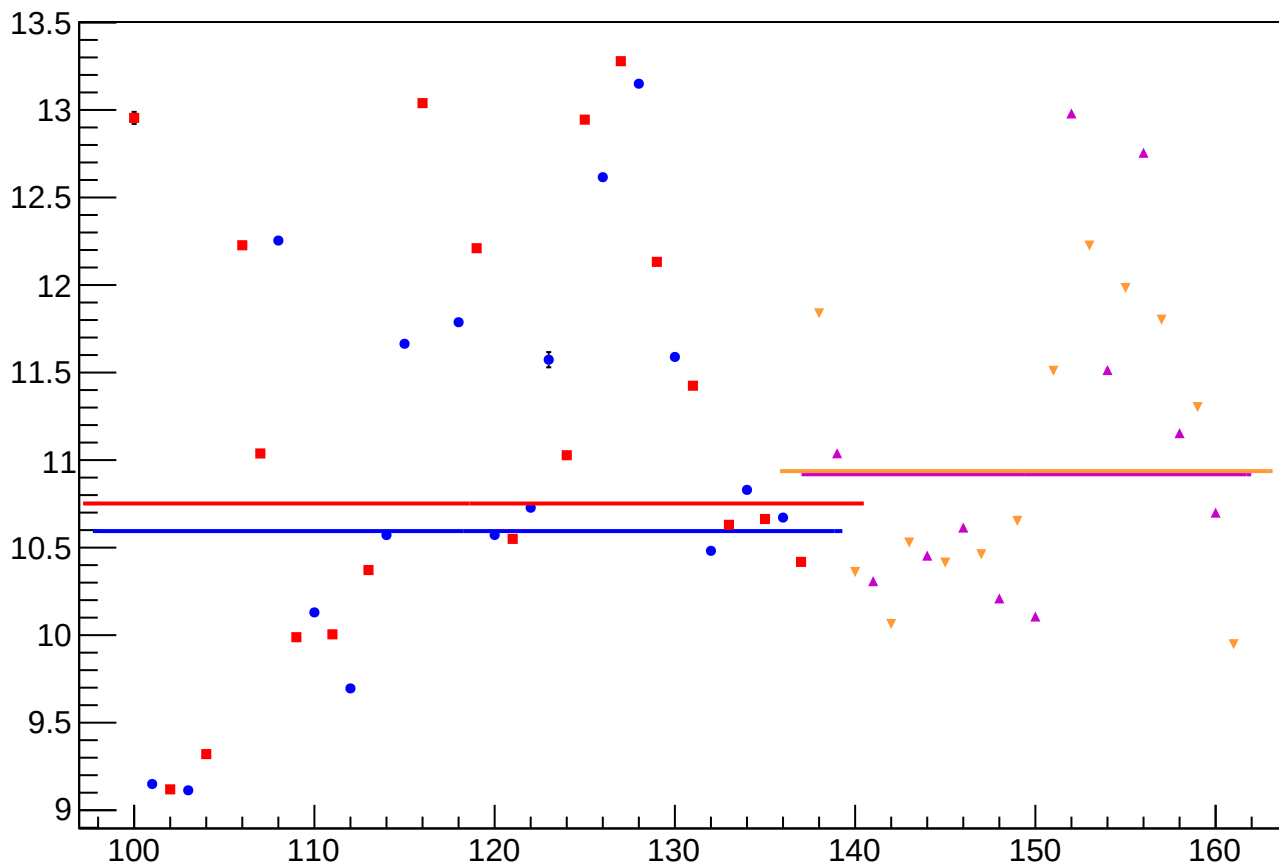
Left In: -5.976 ± 3.686 $\chi^2/\text{NDF}: 19.0/10$

-2.422 ± 2.696 $\chi^2/\text{NDF}: 34.8/29$

-0.320 ± 1.920 $\chi^2/\text{NDF}: 88.0/59$

1.843 ± 2.735 $\chi^2/\text{NDF}: 52.0/29$

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: 10.937 $\pm$ 0.003 χ^2/NDF : 88023.2/12

Right Out: 10.752 $\pm$ 0.003 χ^2/NDF : 177173.0/18

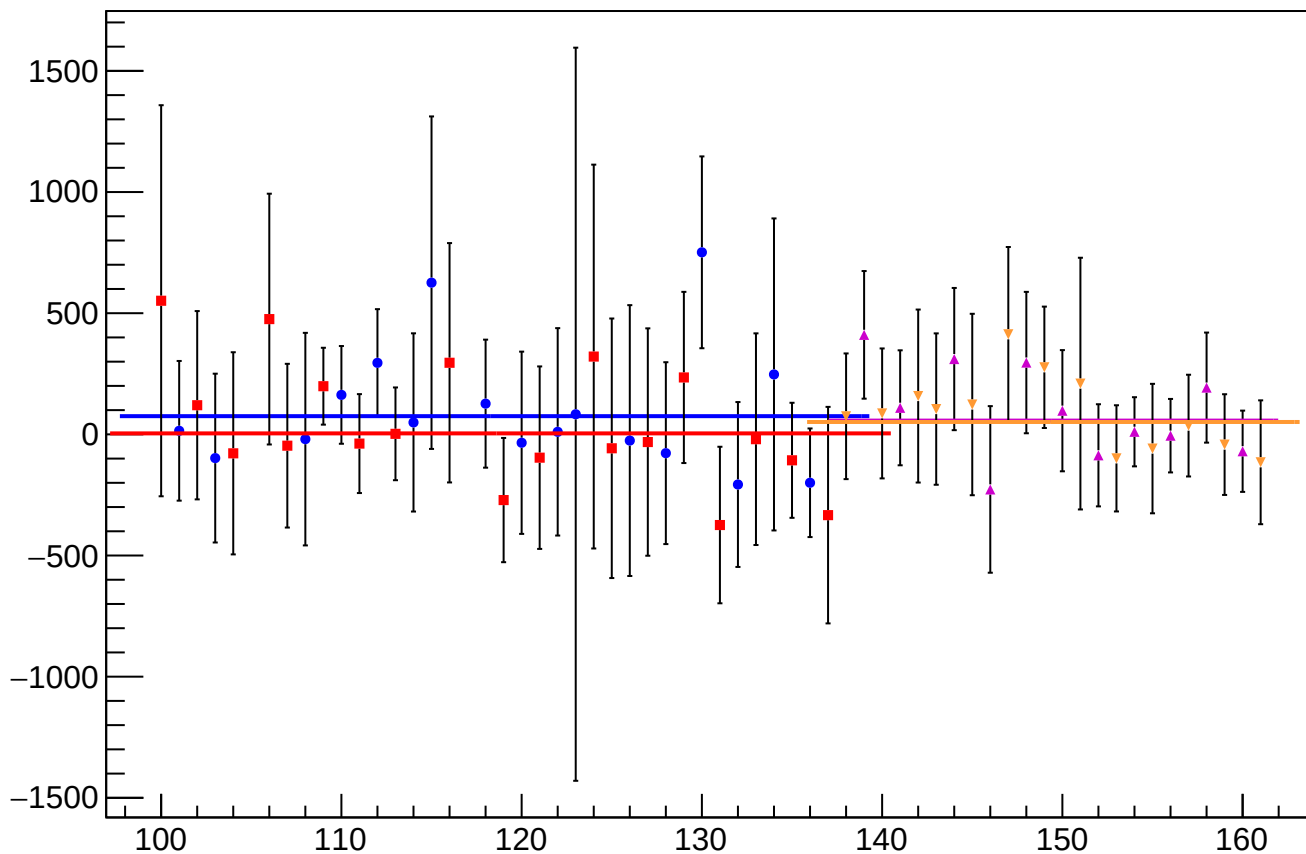
Left In: 10.919 $\pm$ 0.003 χ^2/NDF : 107511.2/10

10.793 $\pm$ 0.002 χ^2/NDF : 255951.0/29

10.818 $\pm$ 0.001 χ^2/NDF : 542825.3/59

10.844 $\pm$ 0.002 χ^2/NDF : 286523.4/29

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: 51.087 $\pm$ 75.089 χ^2 /NDF: 3.4/12

Right Out: 3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

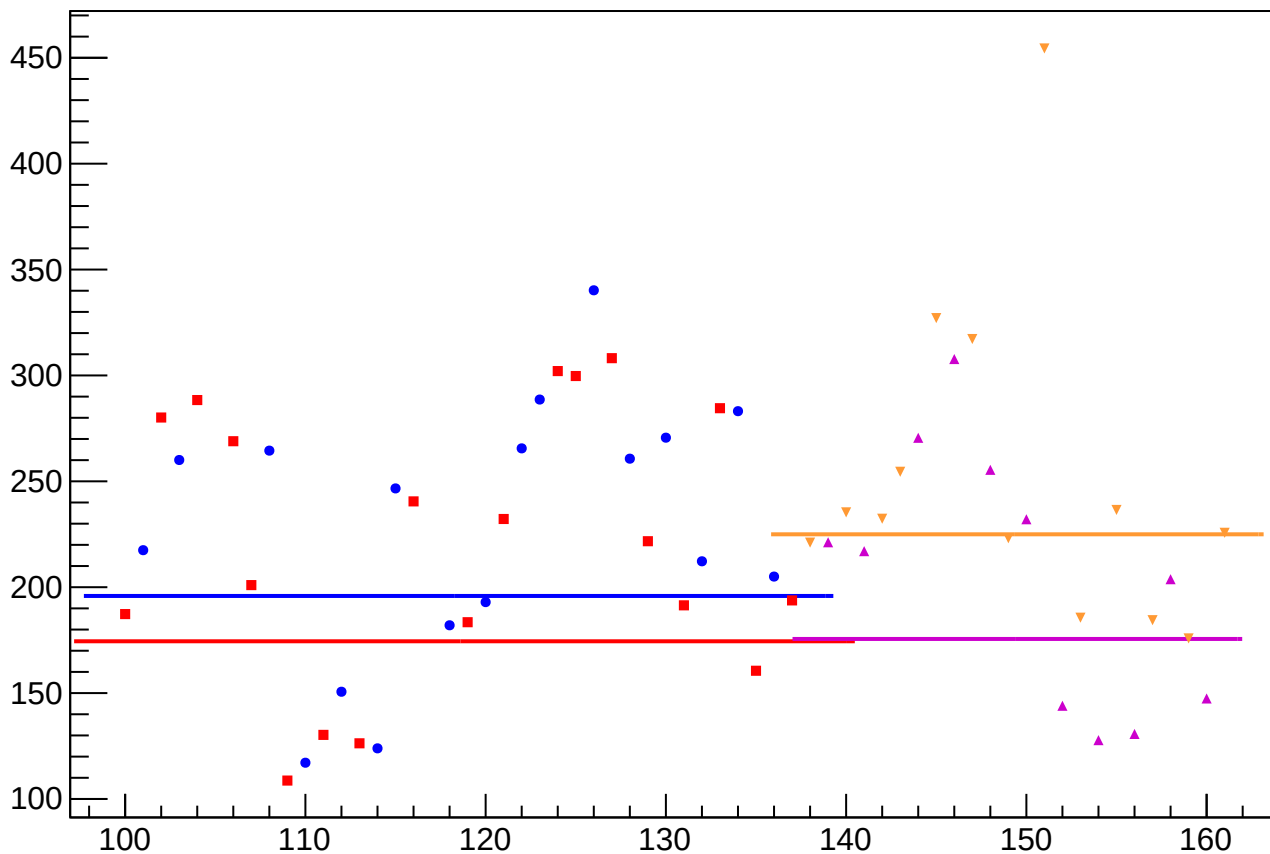
Left In: 56.760 $\pm$ 63.241 χ^2 /NDF: 5.7/10

62.275 $\pm$ 54.862 χ^2 /NDF: 11.1/29

45.665 $\pm$ 35.776 χ^2 /NDF: 24.5/59

33.376 $\pm$ 47.189 χ^2 /NDF: 13.3/29

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: 224.981 $\pm$ 0.053 χ^2 /NDF: 947199.9/12

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

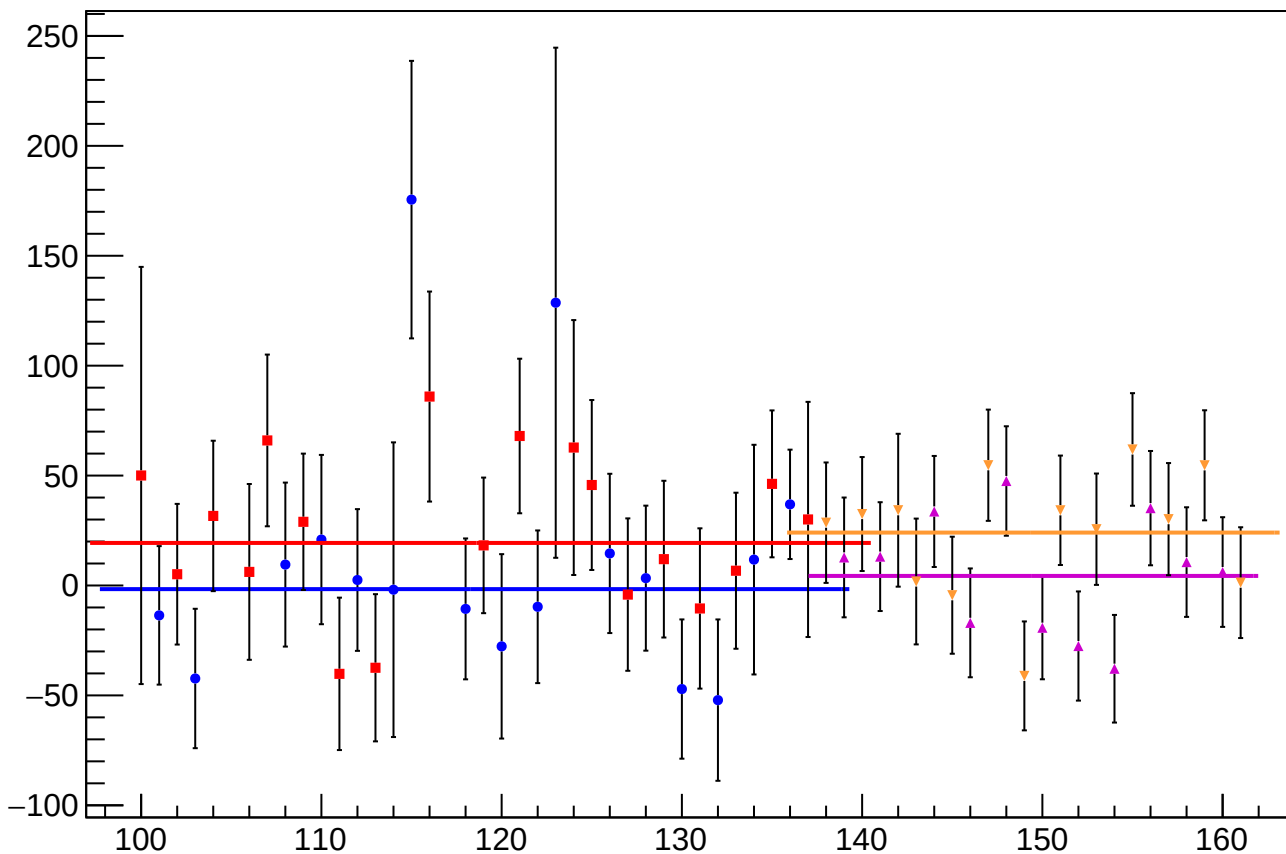
Left In: 175.562 $\pm$ 0.045 χ^2 /NDF: 1409643.4/10

211.409 $\pm$ 0.039 χ^2 /NDF: 2066589.5/29

190.526 $\pm$ 0.025 χ^2 /NDF: 5509449.2/59

175.076 $\pm$ 0.033 χ^2 /NDF: 2938688.6/29

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: 24.068 ± 7.279 χ^2/NDF : 15.1/12

Right Out: 19.357 ± 8.556 χ^2/NDF : 14.8/18

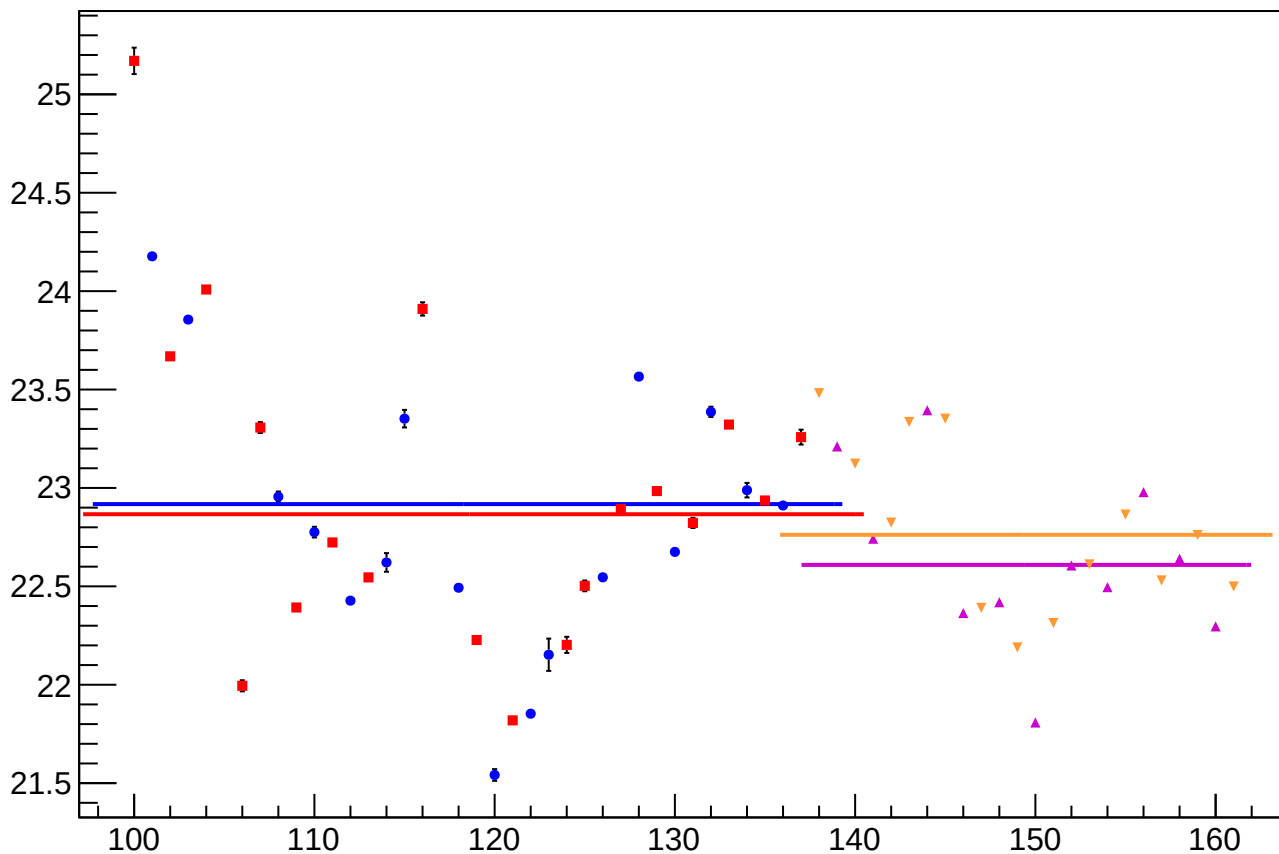
Left In: 4.352 ± 7.539 χ^2/NDF : 12.4/10

13.732 ± 5.630 χ^2/NDF : 38.6/29

12.328 ± 3.990 χ^2/NDF : 67.7/59

10.910 ± 5.656 χ^2/NDF : 28.9/29

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: 22.762 ± 0.005 χ^2/NDF : 6191.7/12

Right Out: 22.866 ± 0.006 χ^2/NDF : 11052.6/18

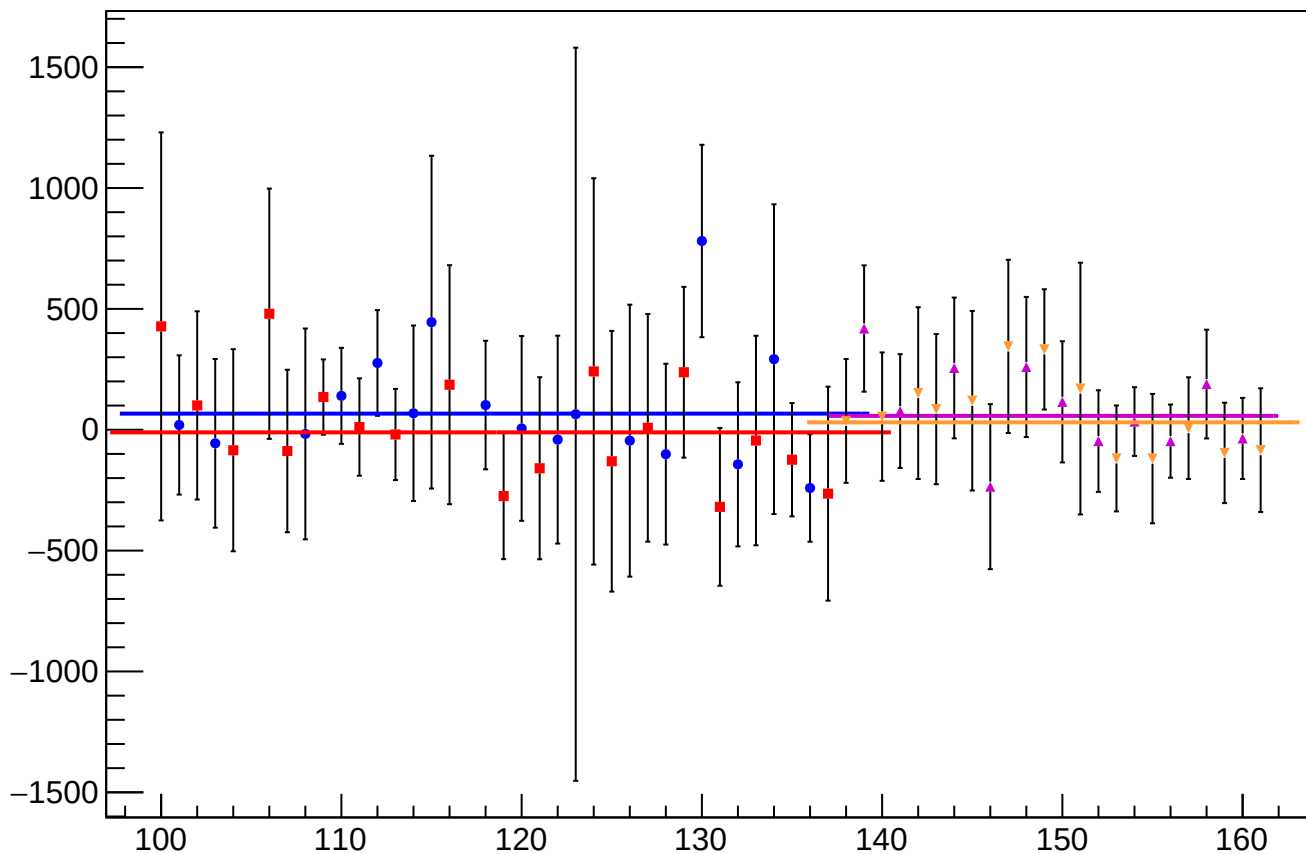
Left In: 22.609 ± 0.005 χ^2/NDF : 6377.0/10

22.825 ± 0.004 χ^2/NDF : 18033.1/29

22.773 ± 0.003 χ^2/NDF : 36815.5/59

22.721 ± 0.004 χ^2/NDF : 18448.9/29

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: 30.634+/-74.864 χ^2/NDF : 3.9/12

Right Out: -10.870+/-70.386 χ^2/NDF : 5.7/18

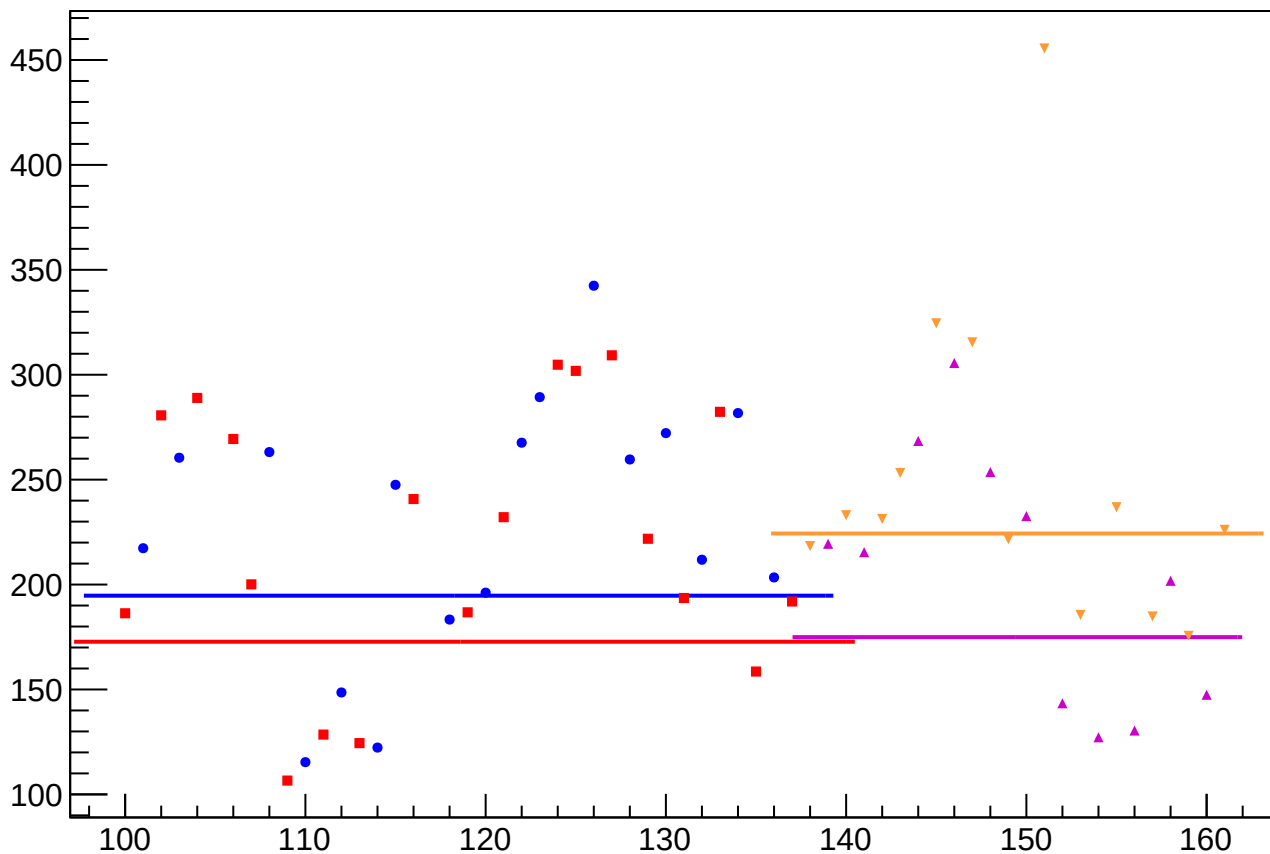
Left In: 57.425+/-63.008 χ^2/NDF : 5.1/10

47.474+/-54.661 χ^2/NDF : 11.5/29

35.716+/-35.614 χ^2/NDF : 22.9/59

27.044+/-46.946 χ^2/NDF : 11.3/29

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 224.331 $\pm$ 0.053 χ^2 /NDF:938396.5/12

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

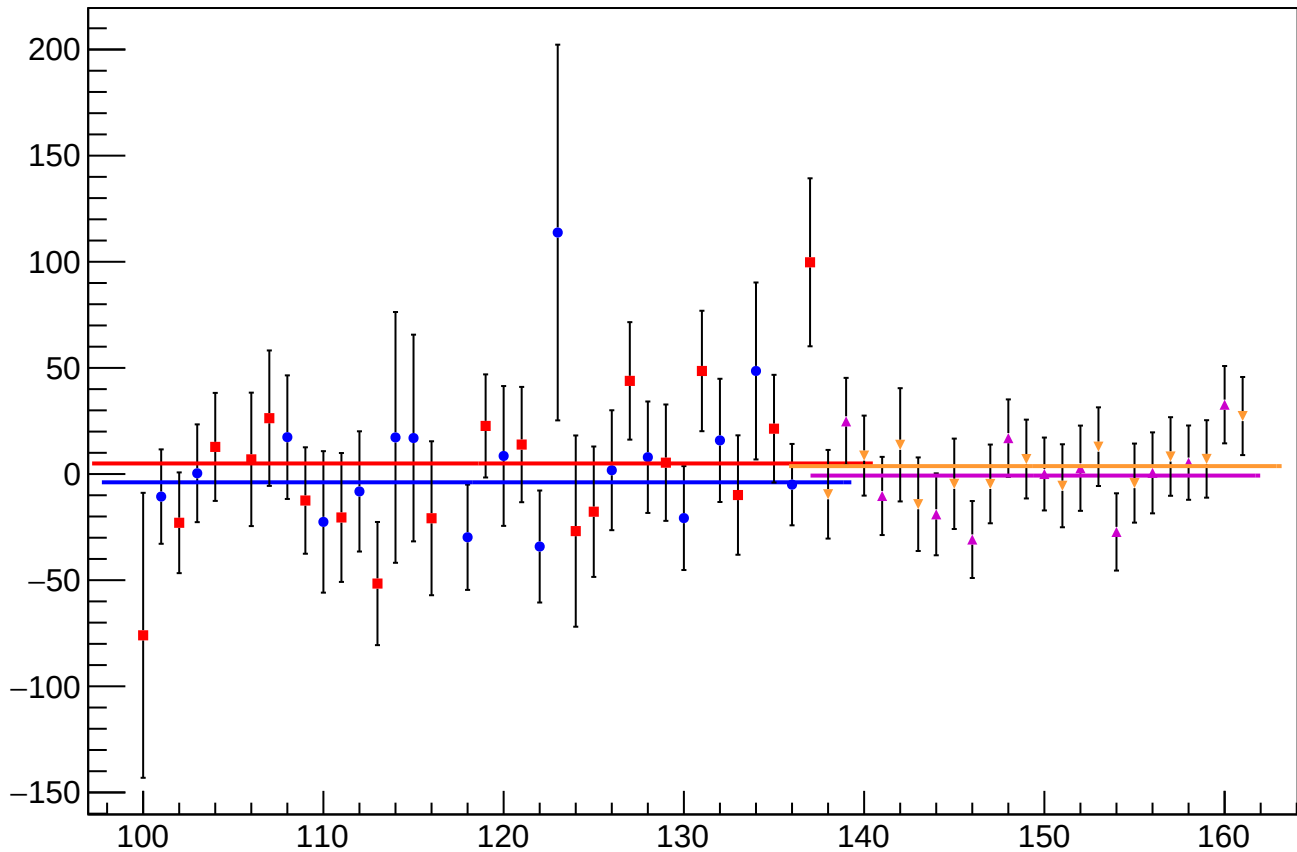
Left In: 174.941 $\pm$ 0.045 χ^2 /NDF:1394940.9/10

210.497 $\pm$ 0.039 χ^2 /NDF: 2104528.0/29

189.475 $\pm$ 0.025 χ^2 /NDF: 5611539.0/59

173.968 $\pm$ 0.033 χ^2 /NDF: 2992958.4/29

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: 3.736 ± 5.434 χ^2/NDF : 4.1/12

Right Out: 4.985 ± 6.727 χ^2/NDF : 21.3/18

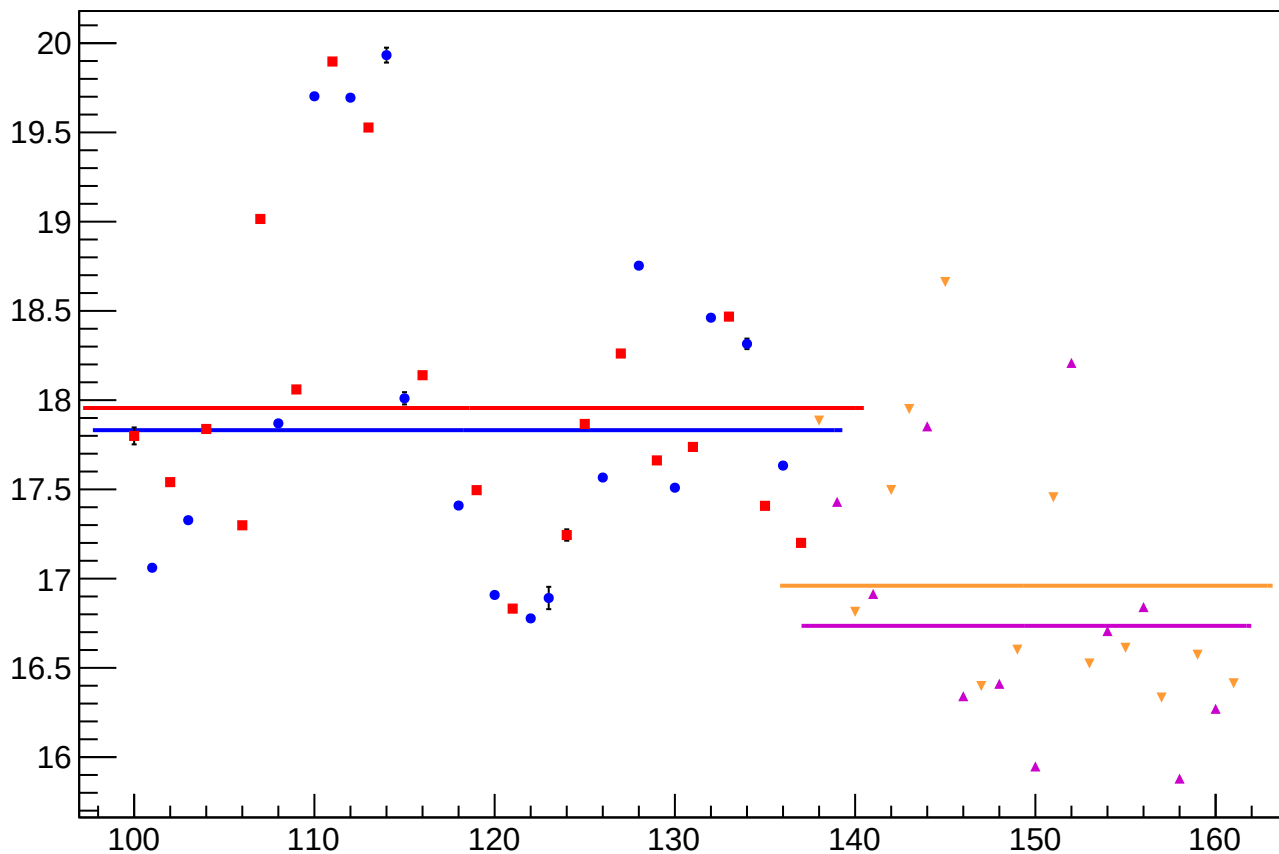
Left In: -0.725 ± 5.592 χ^2/NDF : 12.1/10

0.823 ± 4.272 χ^2/NDF : 13.2/29

1.213 ± 3.031 χ^2/NDF : 47.0/59

1.608 ± 4.300 χ^2/NDF : 33.8/29

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: 16.960 $\pm$ 0.004 χ^2 /NDF:32289.7/12

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

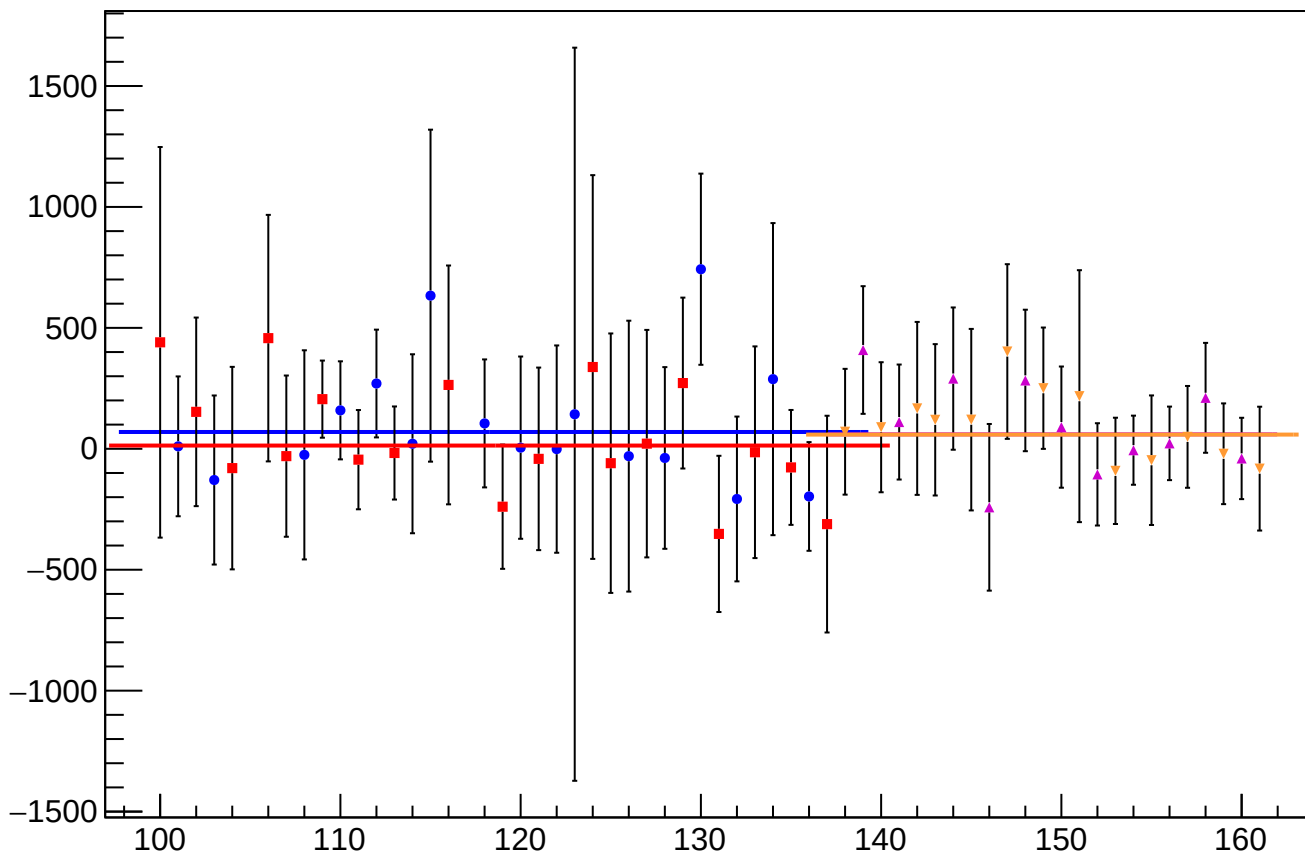
Left In: 16.735 $\pm$ 0.004 χ^2 /NDF:31904.2/10

17.293 $\pm$ 0.003 χ^2 /NDF: 82792.2/29

17.264 $\pm$ 0.002 χ^2 /NDF: 179268.4/59

17.234 $\pm$ 0.003 χ^2 /NDF: 96288.4/29

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: 58.757+/-75.261 χ^2/NDF : 2.8/12

Right Out: 13.410+/-71.041 χ^2/NDF : 6.7/18

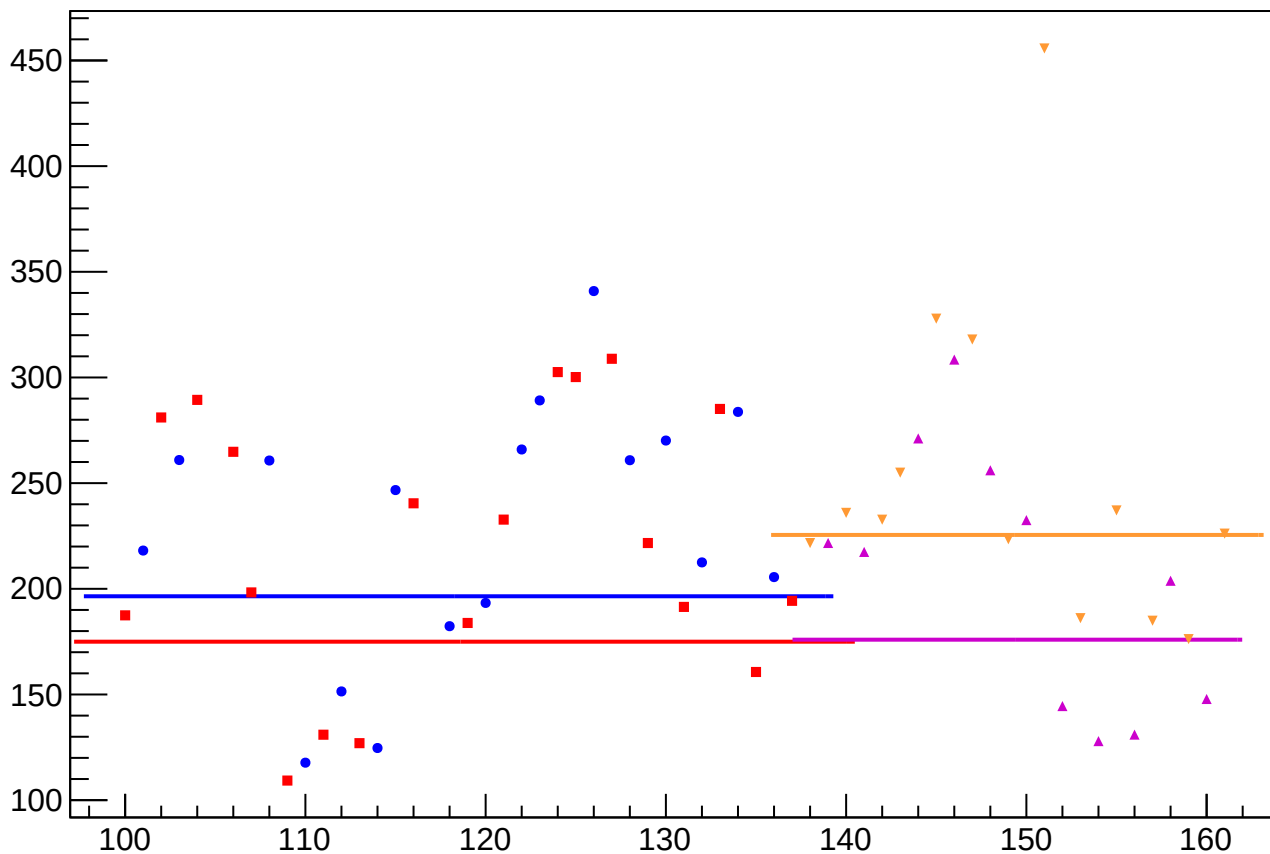
Left In: 59.703+/-63.373 χ^2/NDF : 5.4/10

63.769+/-54.992 χ^2/NDF : 10.2/29

49.639+/-35.856 χ^2/NDF : 22.7/59

39.189+/-47.291 χ^2/NDF : 12.4/29

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 225.495 $\pm$ 0.053 χ^2 /NDF: 947134.0/12

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

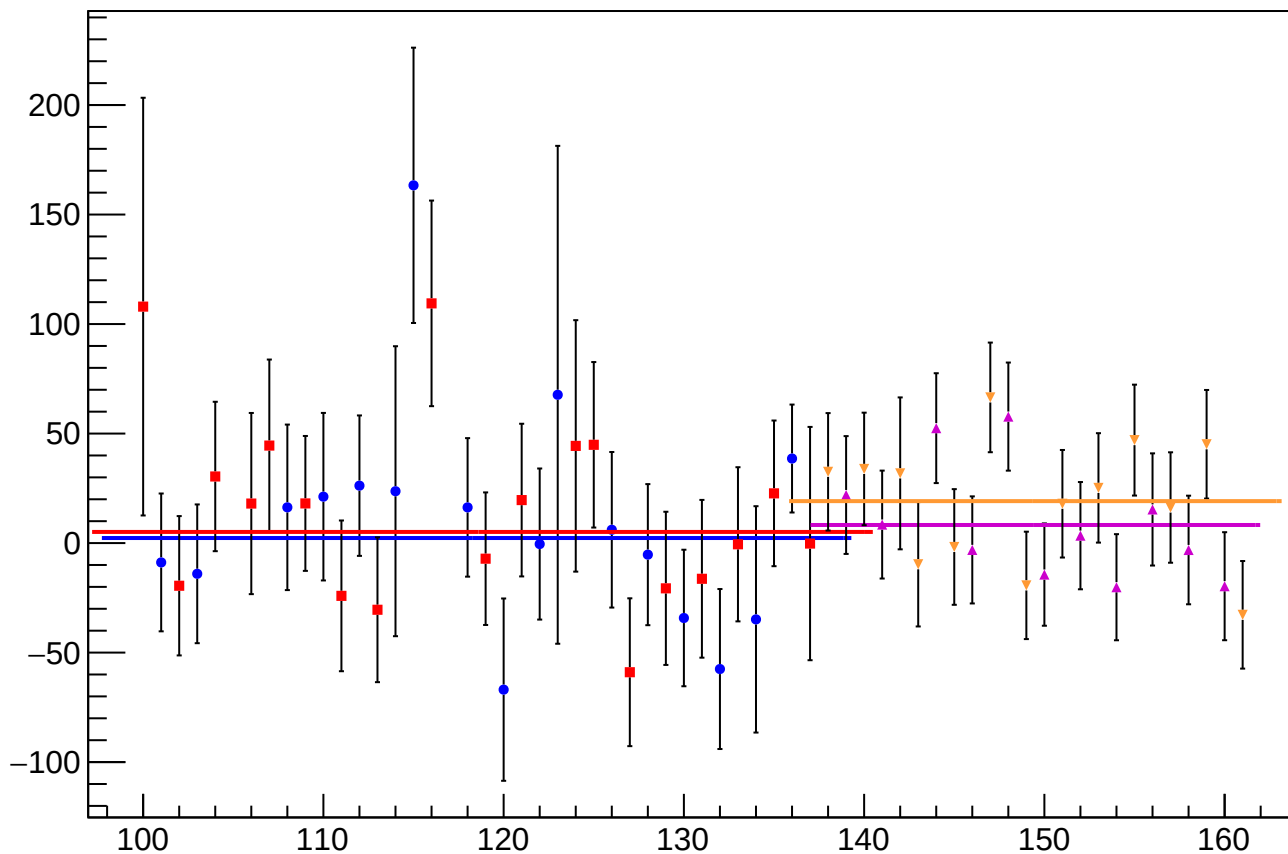
Left In: 175.929 $\pm$ 0.045 χ^2 /NDF: 1409115.6/10

211.967 $\pm$ 0.039 χ^2 /NDF: 2050063.7/29

191.008 $\pm$ 0.025 χ^2 /NDF: 5475816.5/59

175.509 $\pm$ 0.033 χ^2 /NDF: 2920416.3/29

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 19.155 ± 7.188 $\chi^2/\text{NDF}: 15.3/12$

Right Out: 5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

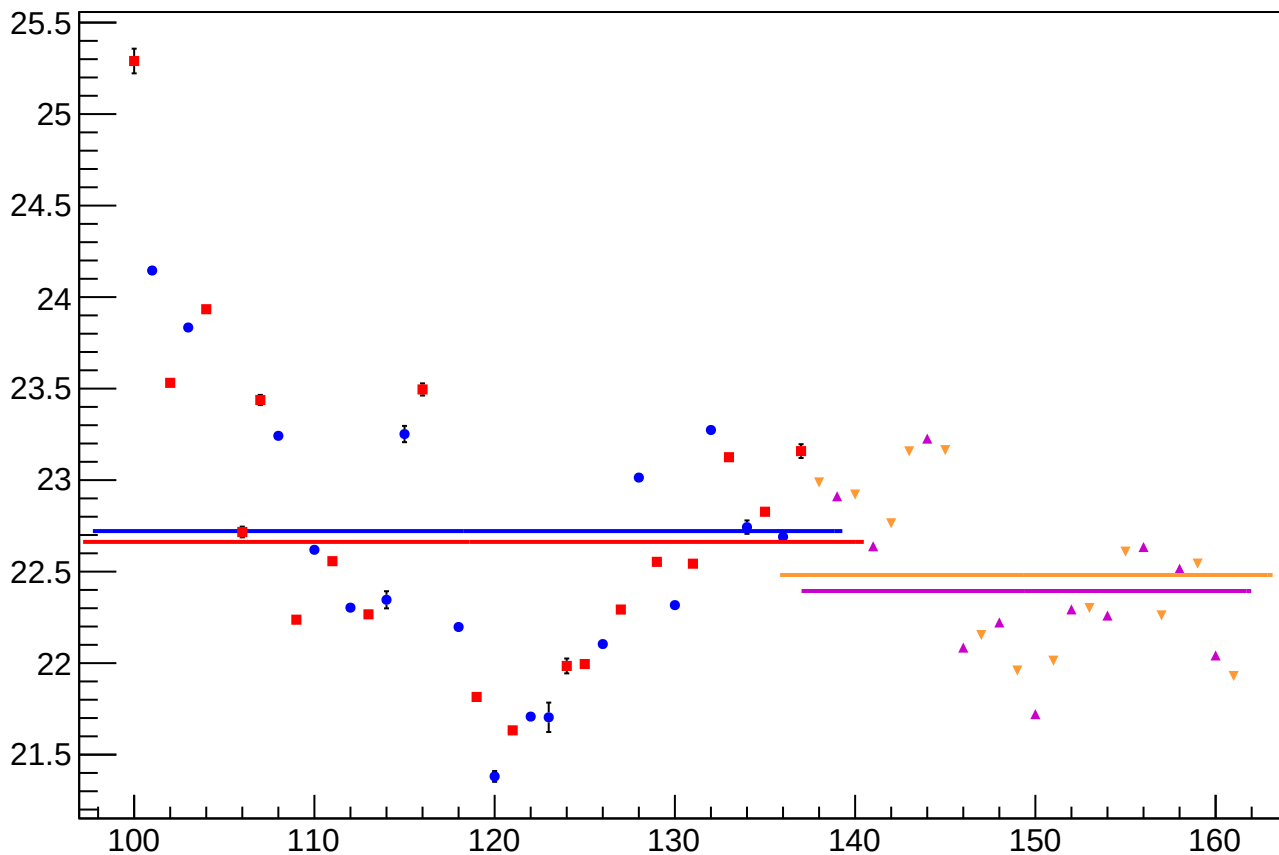
Left In: 8.260 ± 7.467 $\chi^2/\text{NDF}: 11.5/10$

12.417 ± 5.568 $\chi^2/\text{NDF}: 35.6/29$

9.663 ± 3.950 $\chi^2/\text{NDF}: 64.8/59$

6.875 ± 5.604 $\chi^2/\text{NDF}: 28.8/29$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722+/-0.006 χ^2/NDF : 13580.6/16

Left Out: 22.482+/-0.005 χ^2/NDF : 7206.1/12

Right Out: 22.662+/-0.006 χ^2/NDF : 12955.6/18

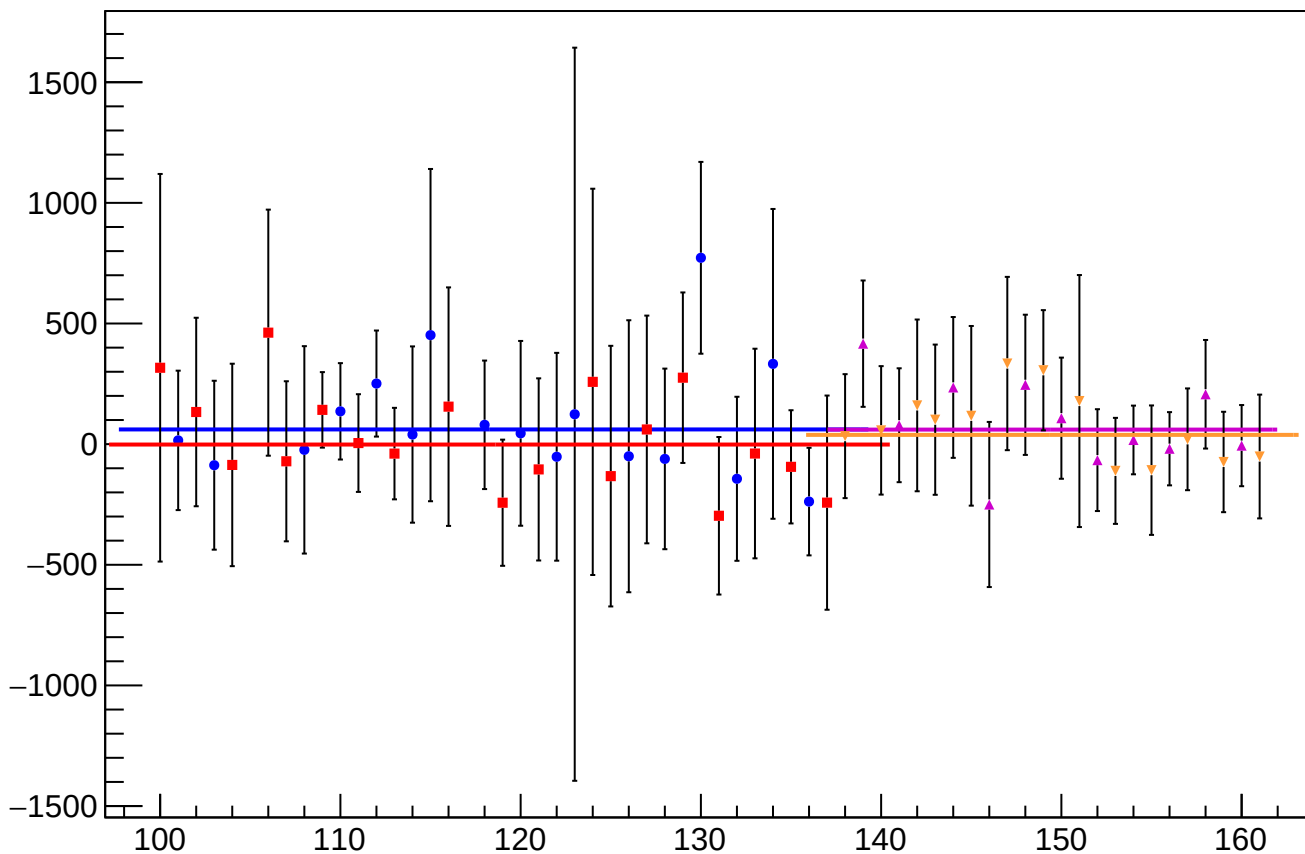
Left In: 22.394+/-0.005 χ^2/NDF : 5946.5/10

22.578+/-0.004 χ^2/NDF : 21677.8/29

22.545+/-0.003 χ^2/NDF : 41848.4/59

22.511+/-0.004 χ^2/NDF : 20030.0/29

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: 38.385 $\pm$ 75.036 χ^2 /NDF: 3.3/12

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

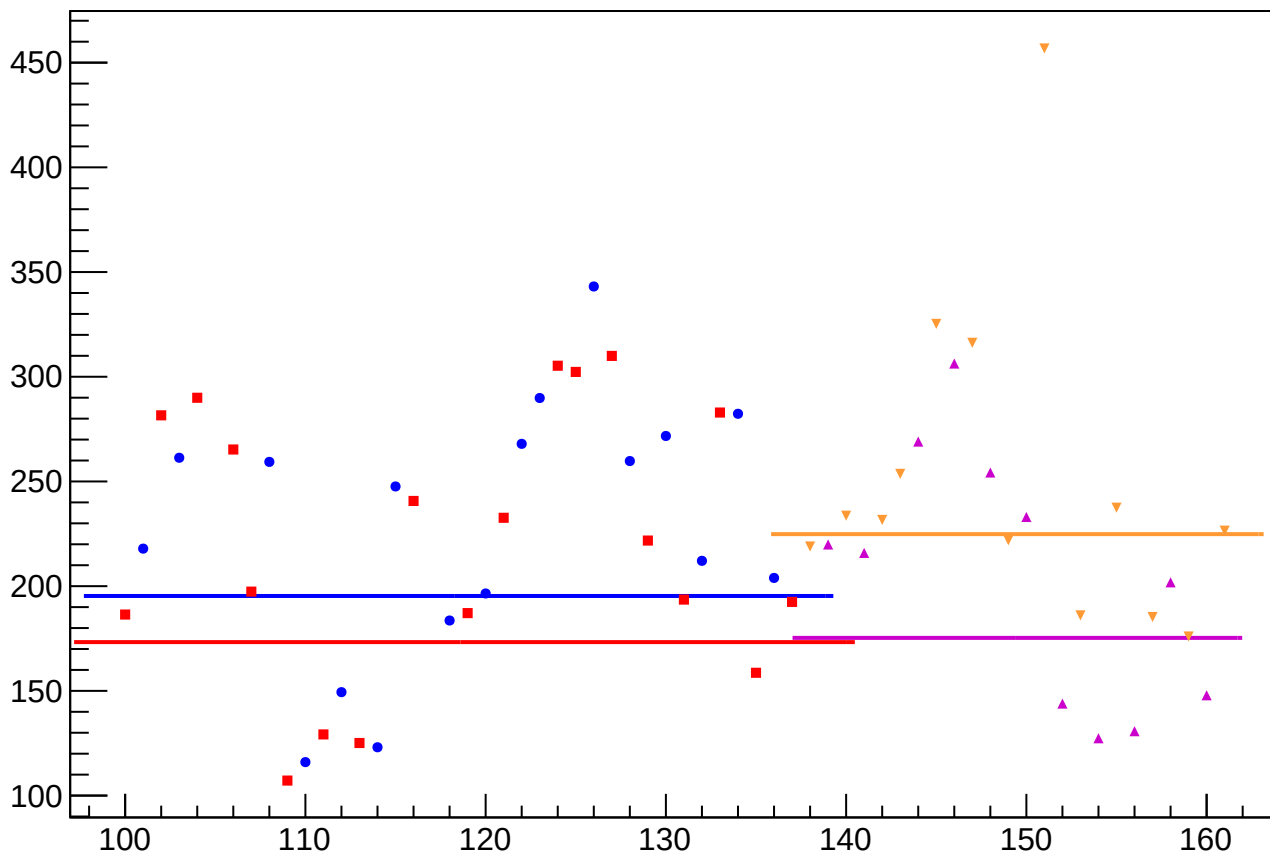
Left In: 60.313 $\pm$ 63.140 χ^2 /NDF: 4.8/10

48.923 $\pm$ 54.792 χ^2 /NDF: 10.6/29

39.618 $\pm$ 35.695 χ^2 /NDF: 21.0/59

32.756 $\pm$ 47.049 χ^2 /NDF: 10.4/29

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 224.845+/-0.053 χ^2/NDF : 938360.9/12

Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

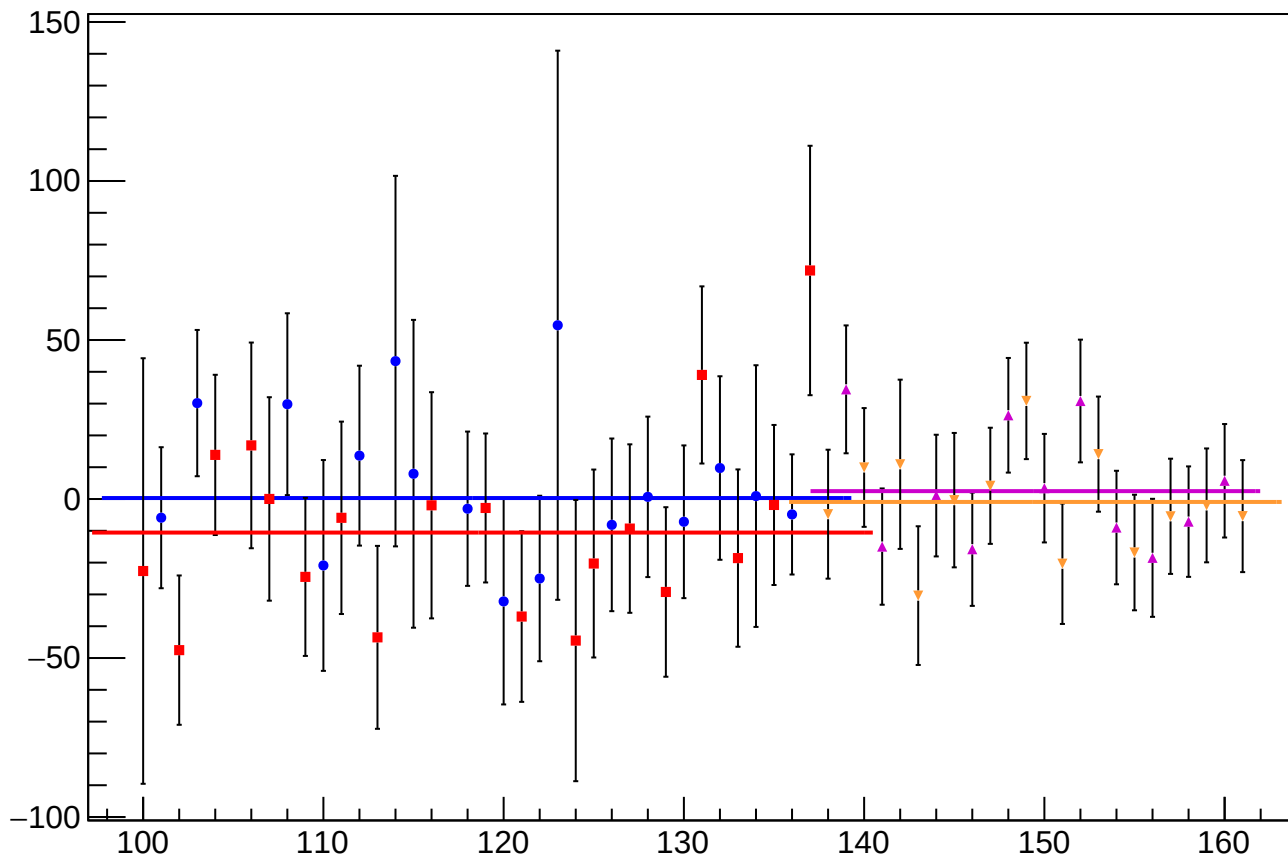
Left In: 175.307+/-0.045 χ^2/NDF : 1394524.3/10

211.061+/-0.039 χ^2/NDF : 2087154.5/29

189.963+/-0.025 χ^2/NDF : 5576120.9/59

174.408+/-0.033 χ^2/NDF : 2973819.3/29

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: -0.921 $\pm$ 5.323 χ^2 /NDF: 8.1/12

Right Out: -10.553 $\pm$ 6.628 χ^2 /NDF: 16.0/18

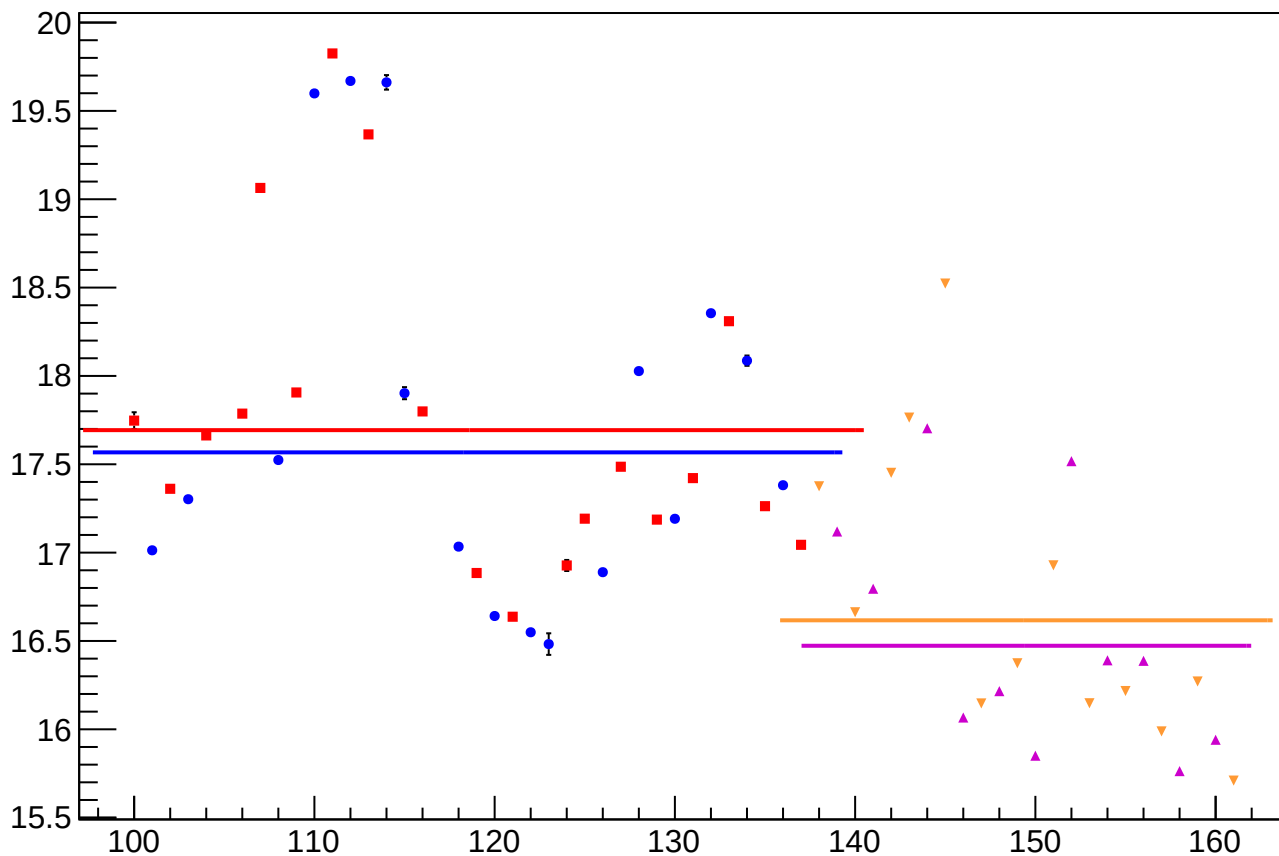
Left In: 2.478 $\pm$ 5.501 χ^2 /NDF: 10.4/10

-0.456 $\pm$ 4.194 χ^2 /NDF: 14.9/29

-1.636 $\pm$ 2.979 χ^2 /NDF: 43.8/59

-2.837 $\pm$ 4.233 χ^2 /NDF: 28.8/29

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: 16.617 $\pm$ 0.004 χ^2 /NDF:39584.2/12

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

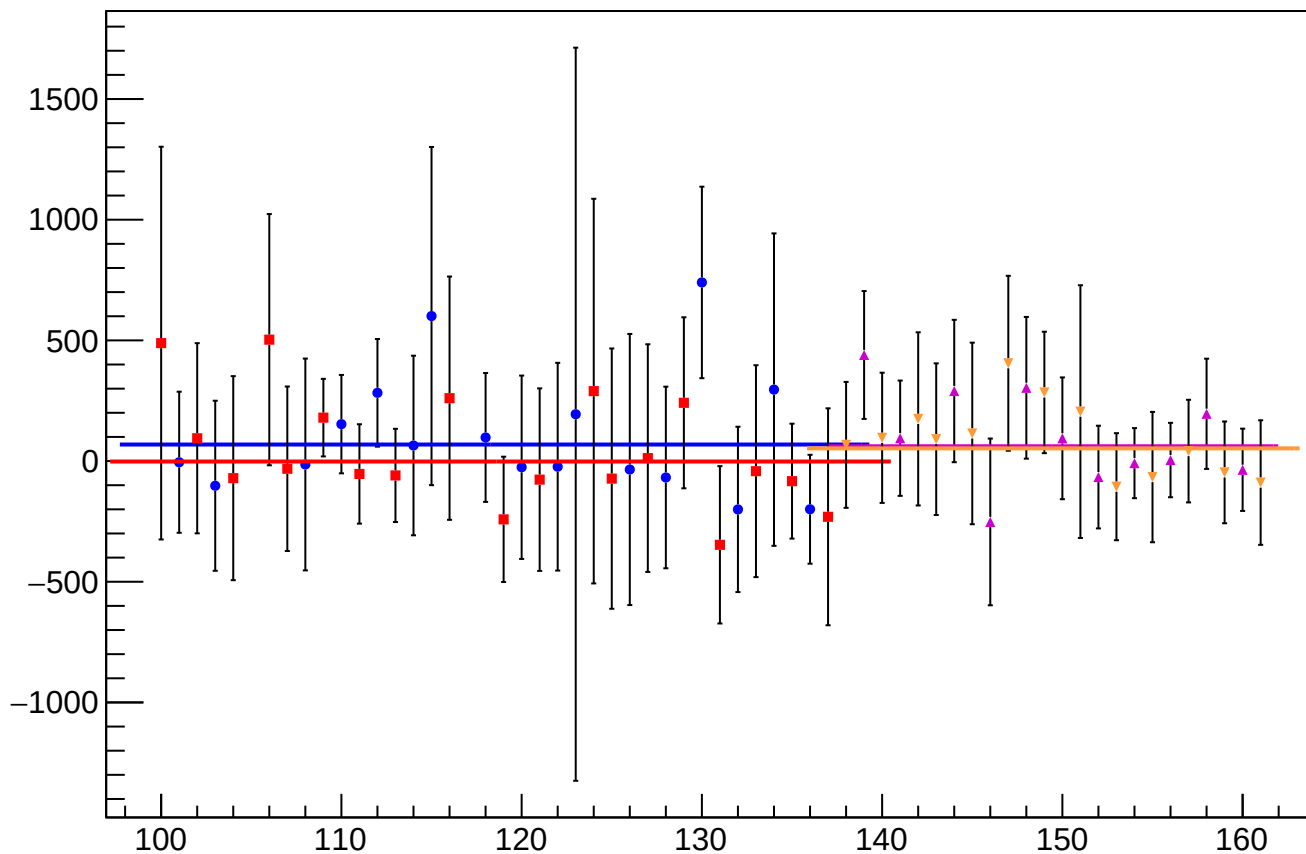
Left In: 16.473 $\pm$ 0.004 χ^2 /NDF:26142.1/10

16.977 $\pm$ 0.003 χ^2 /NDF: 96905.2/29

16.974 $\pm$ 0.002 χ^2 /NDF: 193962.2/59

16.971 $\pm$ 0.003 χ^2 /NDF: 97054.7/29

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: 52.688+/-75.772 χ^2/NDF : 3.3/12

Right Out: -1.831+/-71.538 χ^2/NDF : 6.1/18

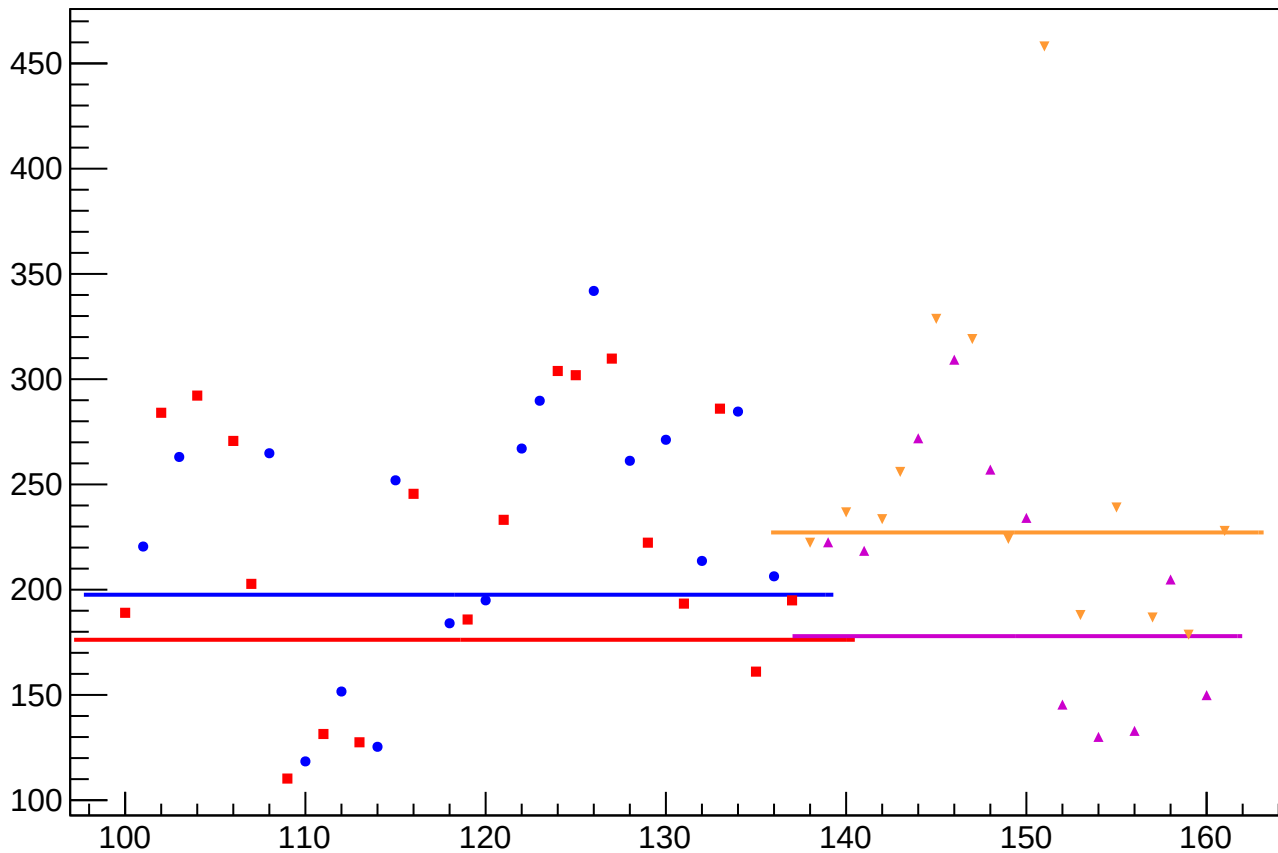
Left In: 61.307+/-63.997 χ^2/NDF : 5.6/10

60.090+/-55.341 χ^2/NDF : 10.6/29

44.684+/-36.129 χ^2/NDF : 22.9/59

33.240+/-47.697 χ^2/NDF : 12.1/29

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: 227.184 $\pm$ 0.054 χ^2 /NDF: 928696.1/12

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

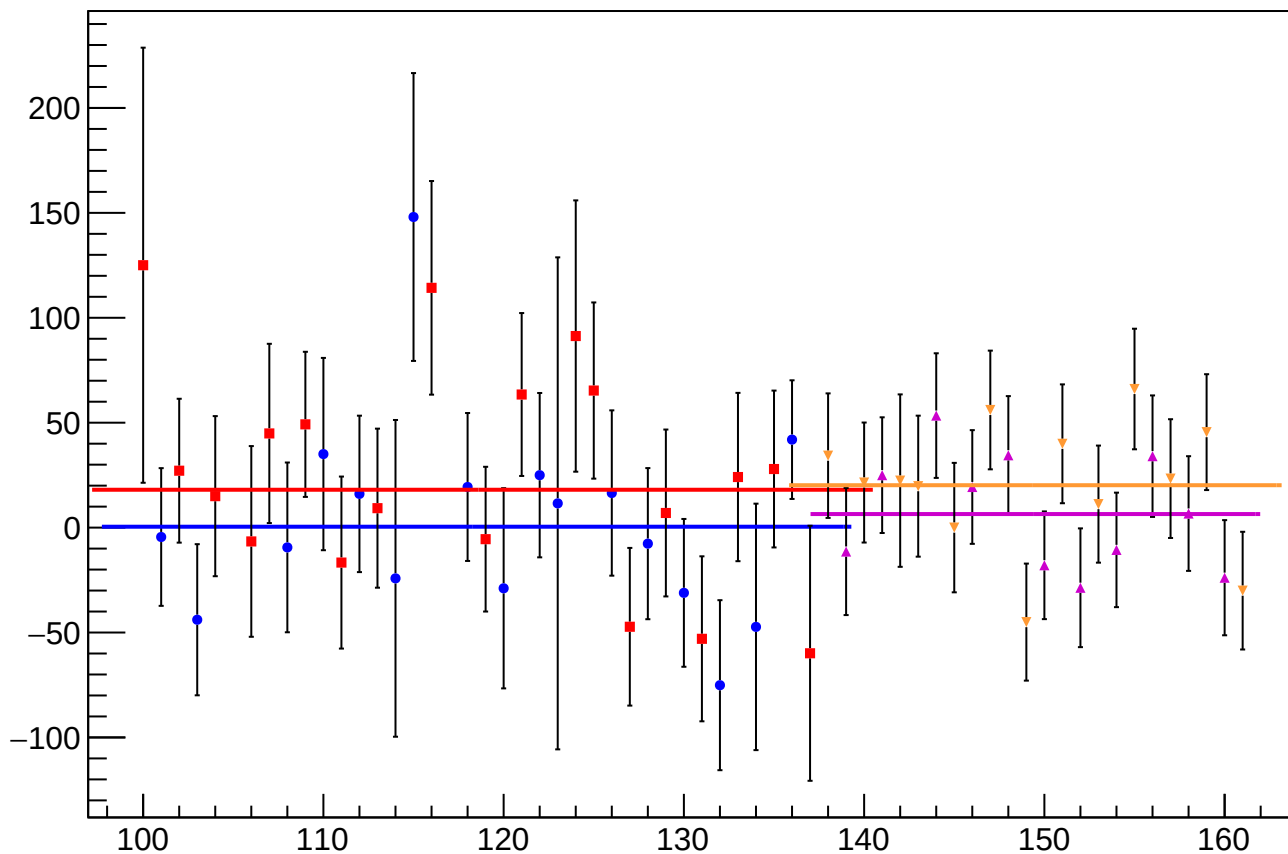
Left In: 177.930 $\pm$ 0.045 χ^2 /NDF: 1367126.6/10

213.382 $\pm$ 0.039 χ^2 /NDF: 2039736.8/29

192.599 $\pm$ 0.026 χ^2 /NDF: 5418931.1/59

177.162 $\pm$ 0.034 χ^2 /NDF: 2887608.1/29

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: 20.204 ± 8.166 χ^2/NDF : 14.9/12

Right Out: 18.044 ± 9.499 χ^2/NDF : 19.5/18

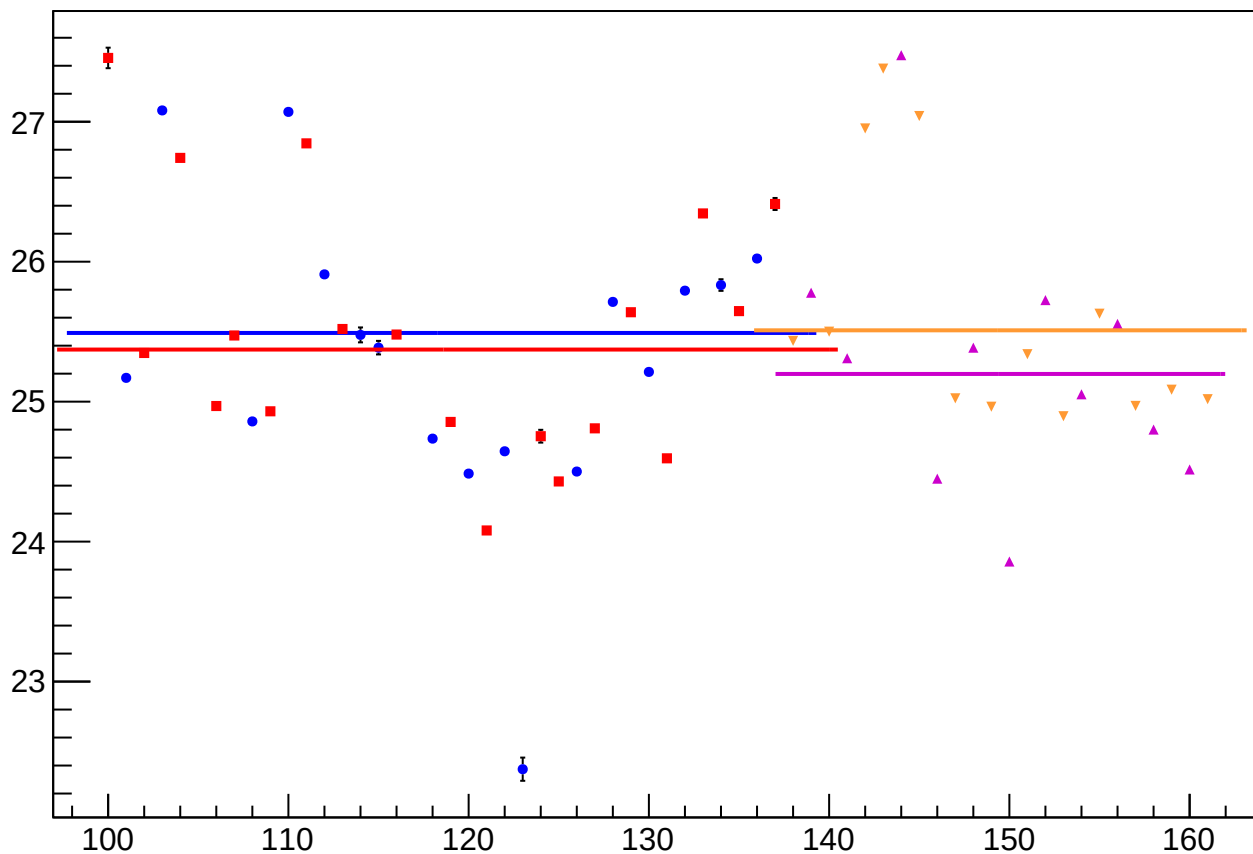
Left In: 6.462 ± 8.413 χ^2/NDF : 9.5/10

12.182 ± 6.295 χ^2/NDF : 32.8/29

11.867 ± 4.452 χ^2/NDF : 62.6/59

11.553 ± 6.298 χ^2/NDF : 29.8/29

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: 25.510 $\pm$ 0.006 χ^2 /NDF:17846.5/12

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

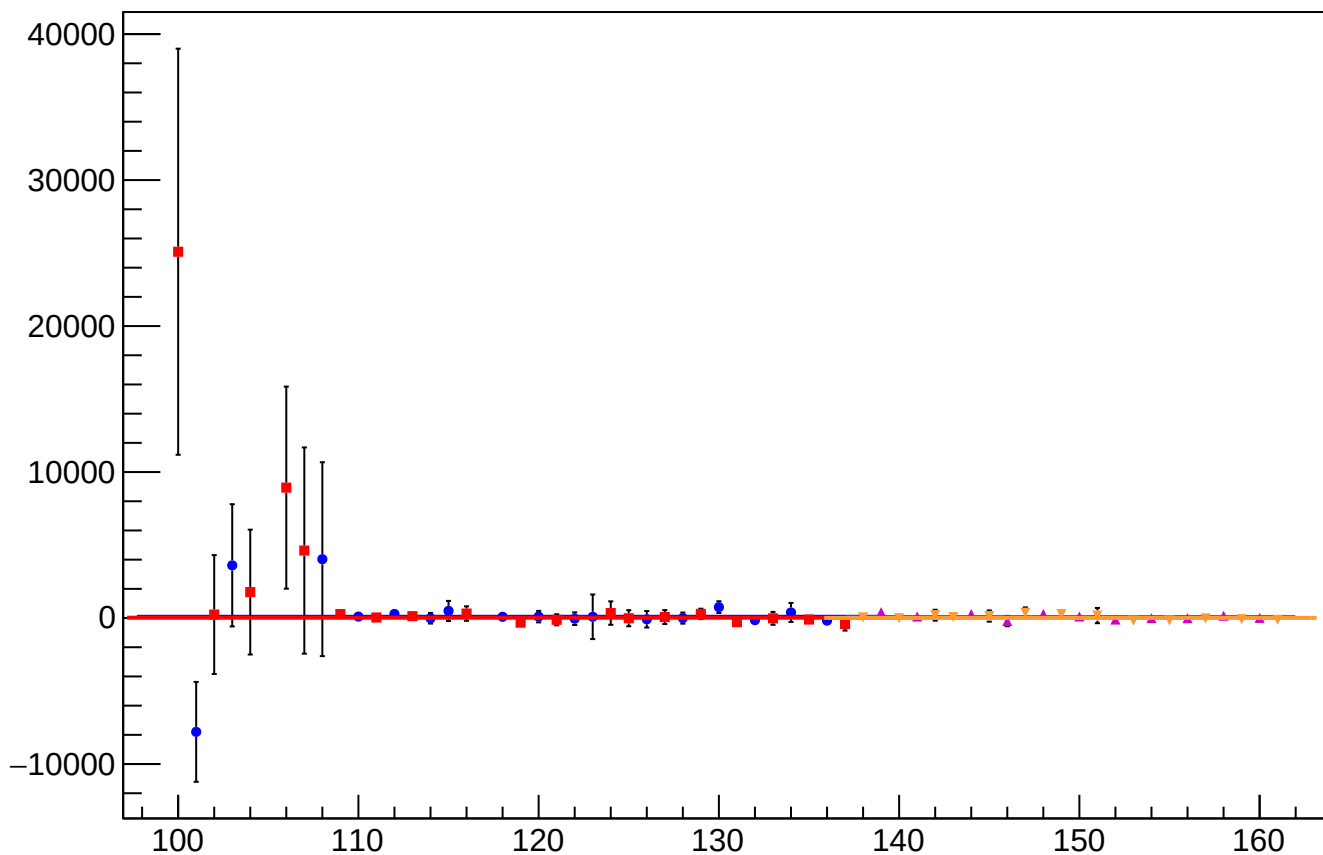
Left In: 25.198 $\pm$ 0.006 χ^2 /NDF:22316.0/10

25.502 $\pm$ 0.004 χ^2 /NDF: 31563.8/29

25.388 $\pm$ 0.003 χ^2 /NDF: 69113.3/59

25.275 $\pm$ 0.004 χ^2 /NDF: 36244.0/29

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: 9.062 $\pm$ 77.178 χ^2 /NDF: 3.9/12

Right Out: 23.352 $\pm$ 80.948 χ^2 /NDF: 11.9/18

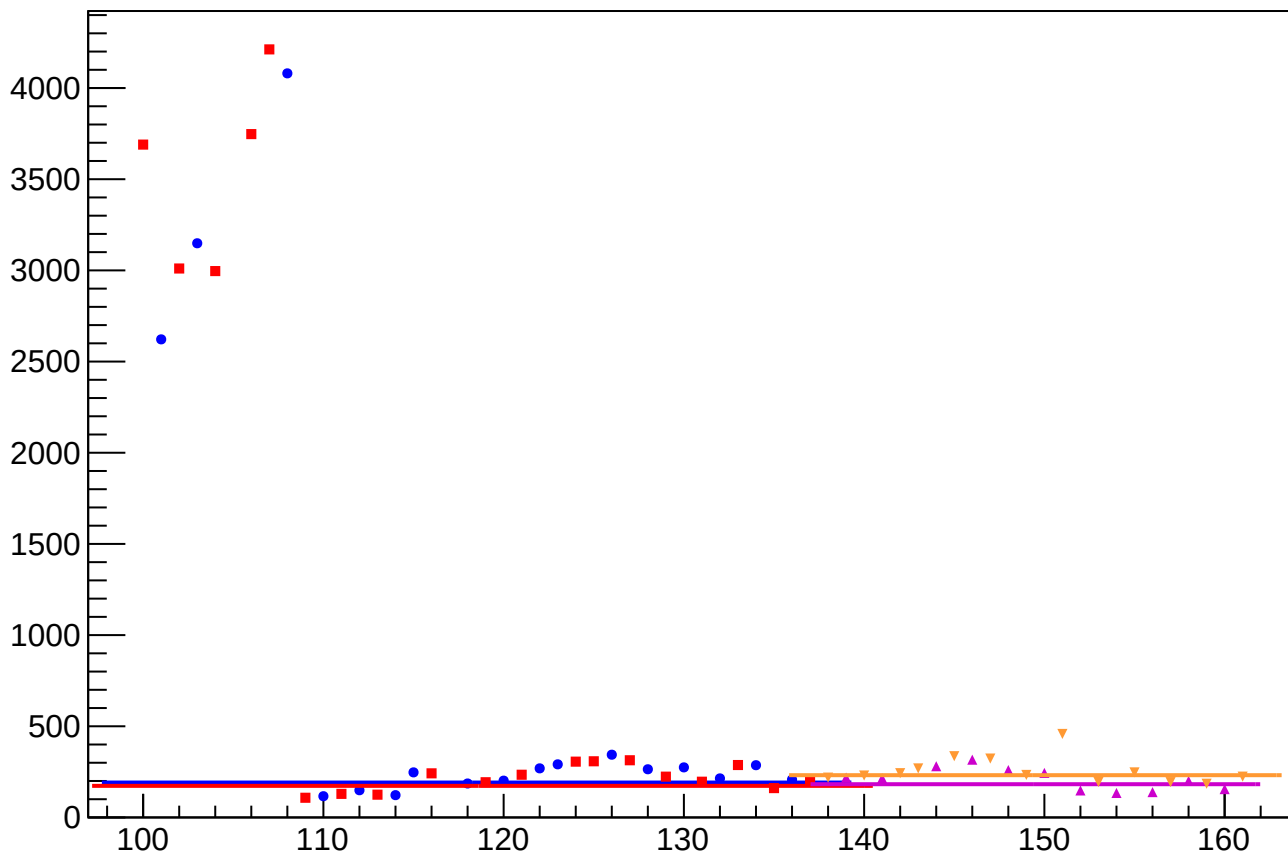
Left In: 64.125 $\pm$ 65.363 χ^2 /NDF: 4.6/10

42.571 $\pm$ 58.145 χ^2 /NDF: 16.8/29

45.666 $\pm$ 38.279 χ^2 /NDF: 33.5/59

48.033 $\pm$ 50.854 χ^2 /NDF: 16.7/29

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: 231.803+/-0.055 χ^2/NDF : 893368.8/12

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

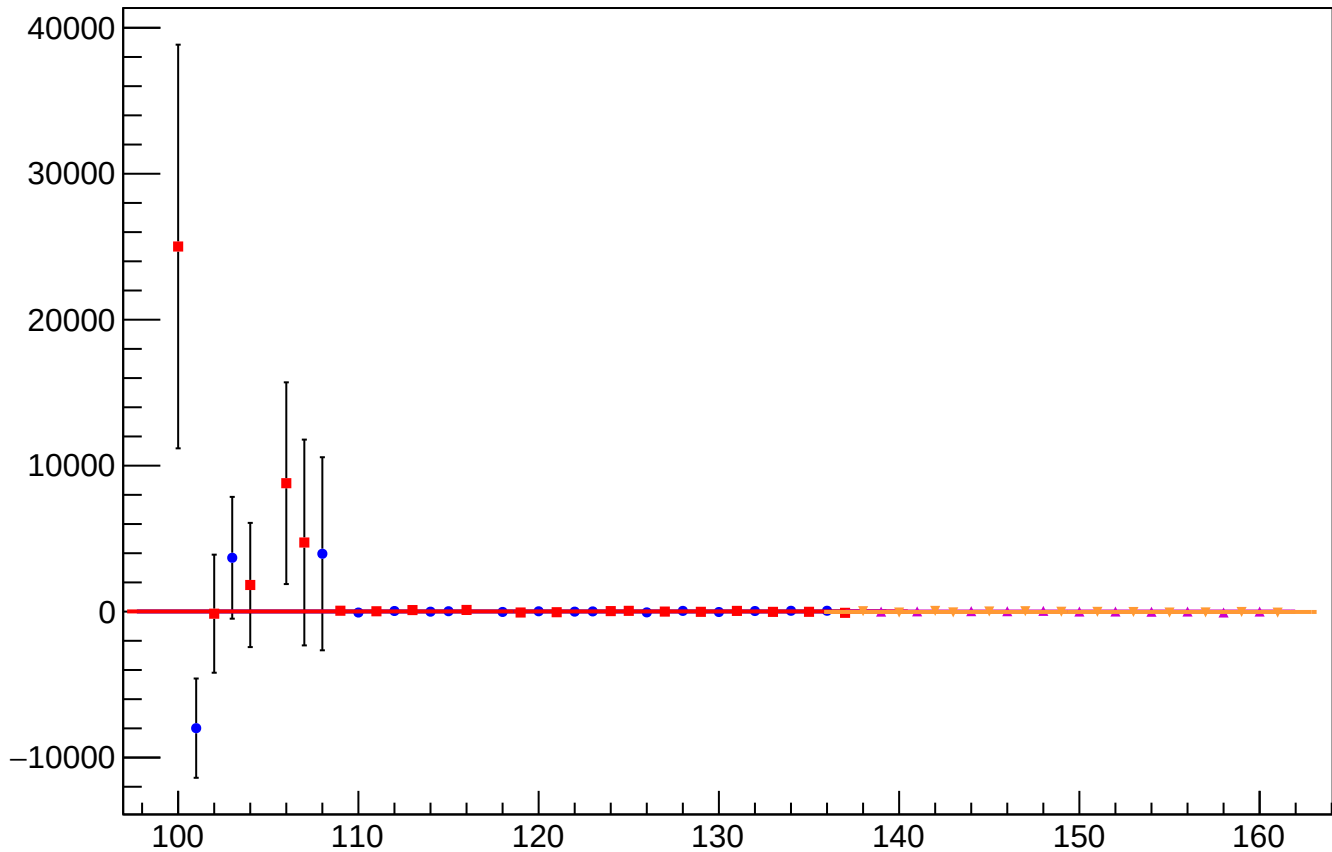
Left In: 182.318+/-0.046 χ^2/NDF : 1281474.6/10

214.366+/-0.041 χ^2/NDF : 4702618.0/29

194.191+/-0.027 χ^2/NDF : 10631549.9/59

178.758+/-0.036 χ^2/NDF : 5503931.1/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.286 $\pm$ 12.282 χ^2 /NDF: 18.4/16

Left Out: -24.079 $\pm$ 9.522 χ^2 /NDF:14.3/12

Right Out: 12.668 $\pm$ 12.232 χ^2 /NDF: 24.8/18

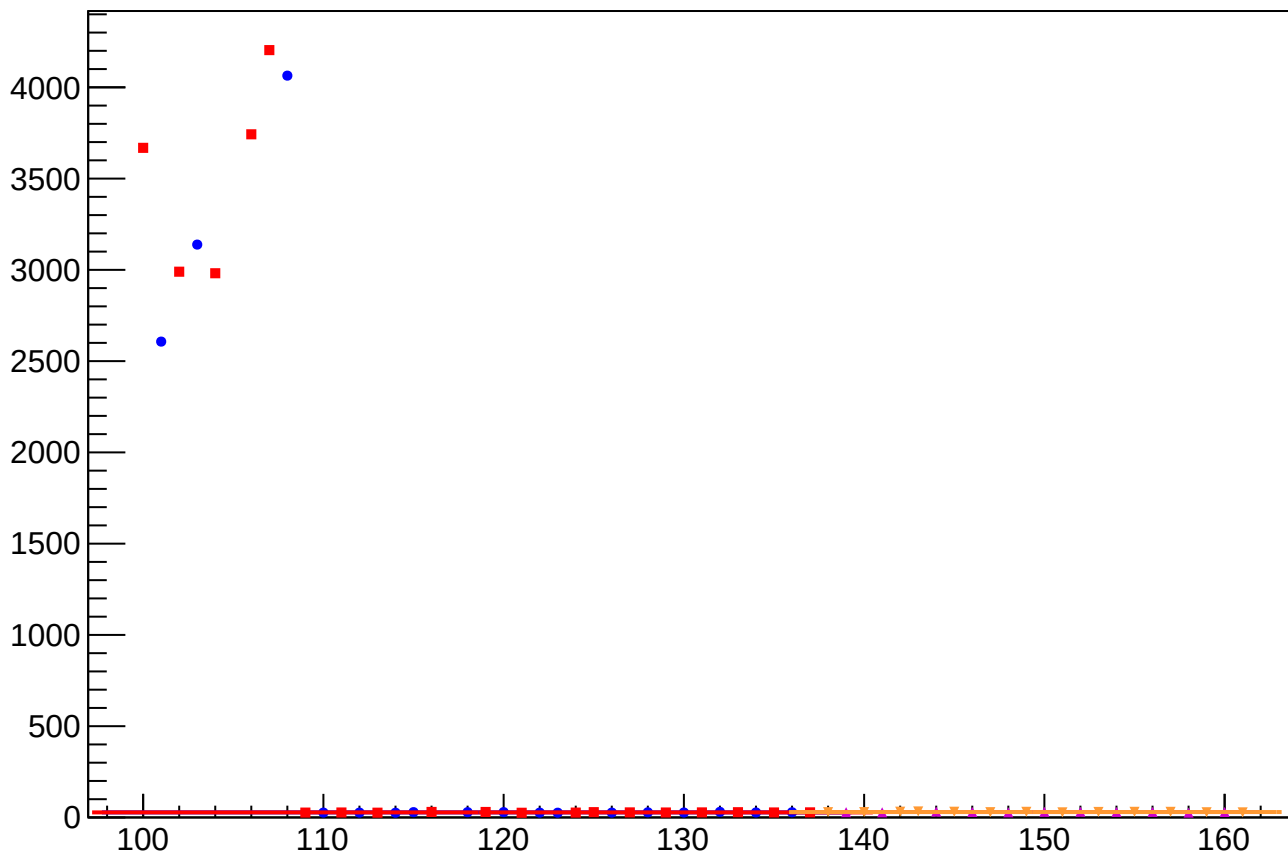
Left In: 6.509 $\pm$ 9.949 χ^2 /NDF:8.5/10

-11.178 $\pm$ 7.525 χ^2 /NDF: 37.5/29

-1.364 $\pm$ 5.388 χ^2 /NDF: 74.5/59

8.961 $\pm$ 7.719 χ^2 /NDF: 33.4/29

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: 29.700+/-0.007 χ^2/NDF : 44526.3/12

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

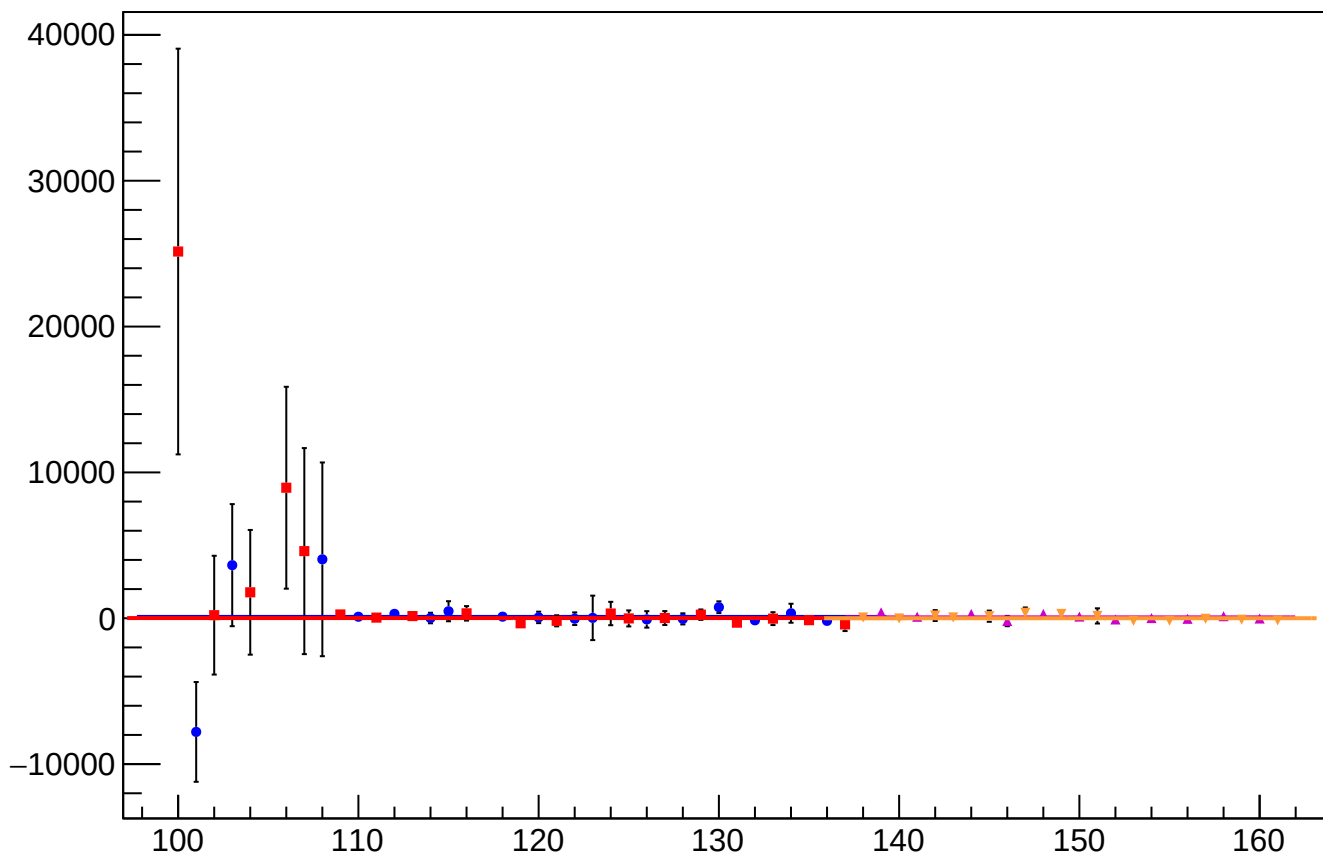
Left In: 29.730+/-0.007 χ^2/NDF : 57160.4/10

29.007+/-0.005 χ^2/NDF : 3100394.6/29

28.965+/-0.004 χ^2/NDF : 6667869.7/59

28.920+/-0.005 χ^2/NDF : 3567343.1/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773 $\pm$ 88.149 χ^2 /NDF: 12.8/16

Left Out: 1.060 $\pm$ 77.006 χ^2 /NDF: 4.5/12

Right Out: 13.341 $\pm$ 80.686 χ^2 /NDF: 12.7/18

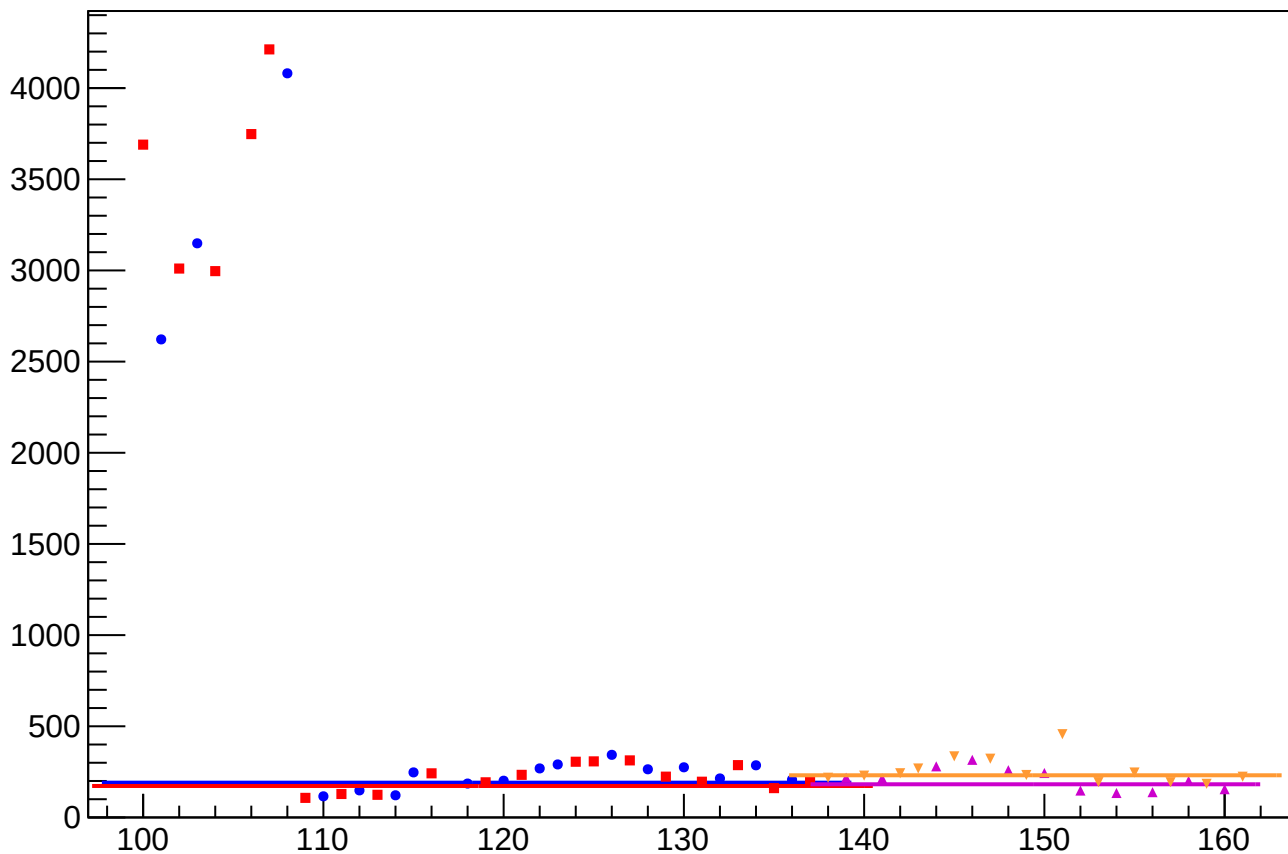
Left In: 61.421 $\pm$ 65.232 χ^2 /NDF: 4.8/10

39.892 $\pm$ 57.994 χ^2 /NDF: 17.9/29

41.322 $\pm$ 38.182 χ^2 /NDF: 35.6/59

42.417 $\pm$ 50.727 χ^2 /NDF: 17.7/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 231.290 $\pm$ 0.054 χ^2 /NDF: 893371.0/12

Right Out: 172.629 $\pm$ 0.057 χ^2 /NDF: 4218625.1/18

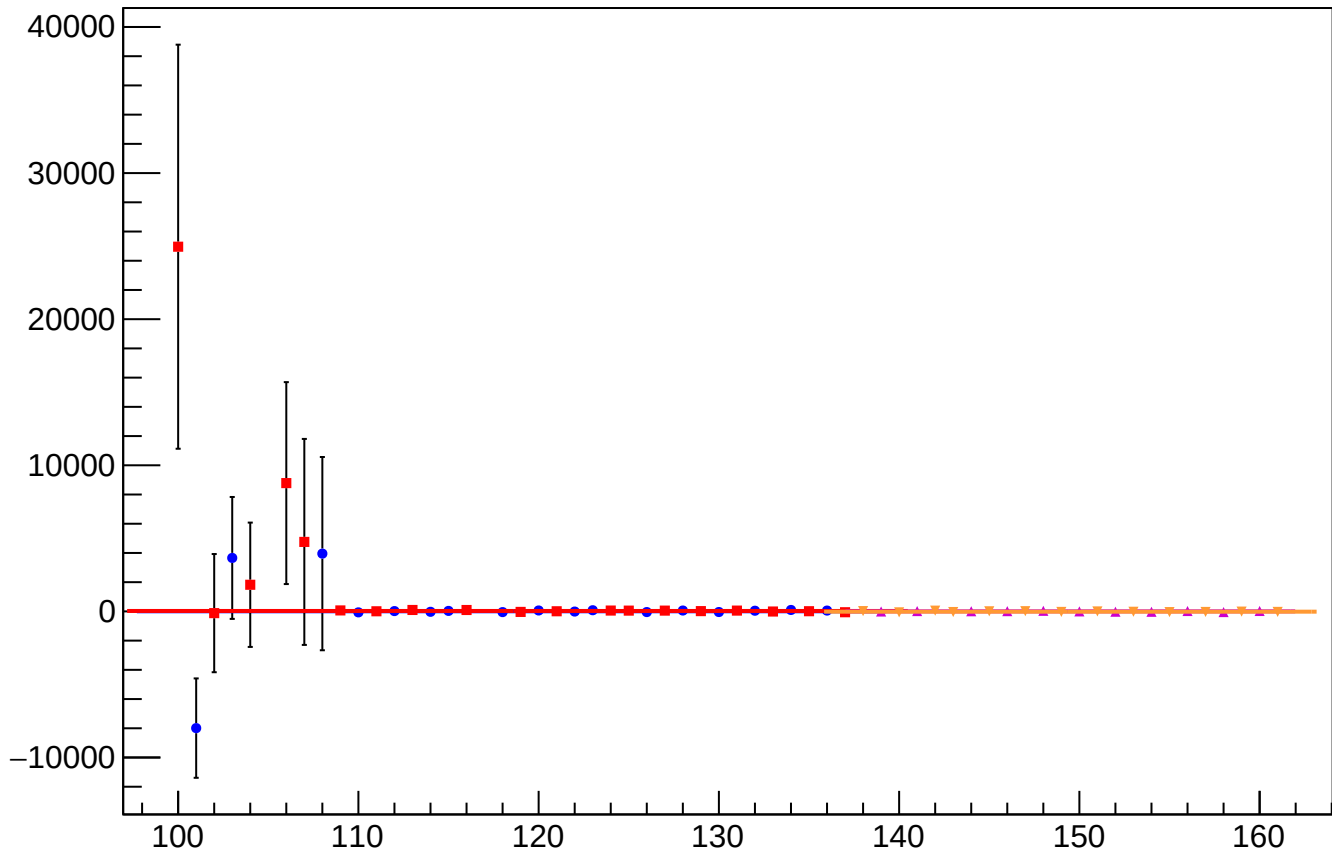
Left In: 181.954 $\pm$ 0.046 χ^2 /NDF: 1281649.7/10

213.751 $\pm$ 0.041 χ^2 /NDF: 4718100.0/29

193.649 $\pm$ 0.027 χ^2 /NDF: 10658699.2/59

178.268 $\pm$ 0.036 χ^2 /NDF: 5516427.4/29

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600+/-12.368 χ^2 /NDF: 23.2/16

Left Out: -18.732+/-9.601 χ^2 /NDF: 9.1/12

Right Out: 29.397+/-12.333 χ^2 /NDF: 16.8/18

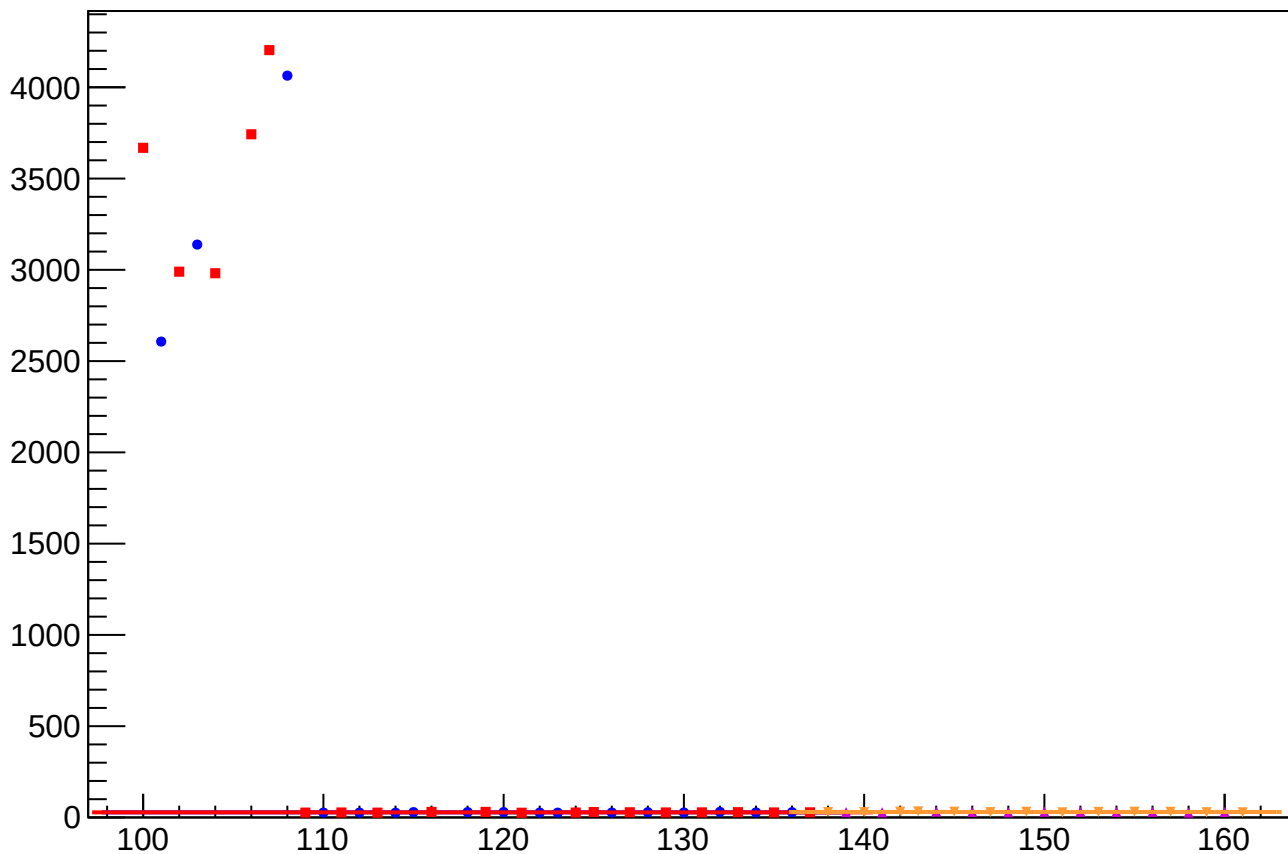
Left In: 3.729+/-10.009 χ^2 /NDF: 7.2/10

-8.454+/-7.584 χ^2 /NDF: 35.3/29

2.460+/-5.428 χ^2 /NDF: 66.2/59

13.921+/-7.772 χ^2 /NDF: 26.6/29

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: 29.945 $\pm$ 0.007 χ^2 /NDF: 45411.3/12

Right Out: 27.918 $\pm$ 0.009 χ^2 /NDF: 3479690.8/18

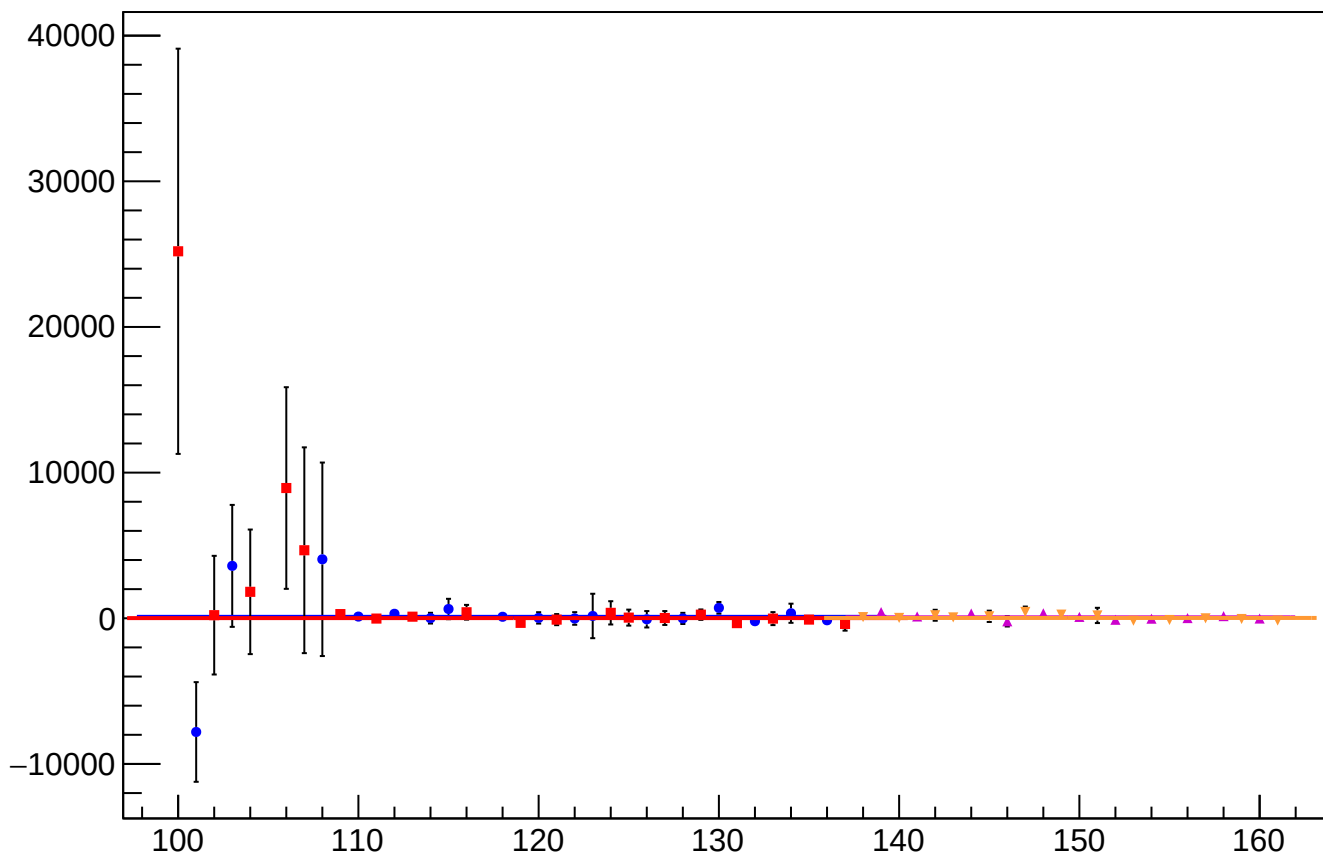
Left In: 29.911 $\pm$ 0.007 χ^2 /NDF: 59033.6/10

29.230 $\pm$ 0.005 χ^2 /NDF: 3102792.6/29

29.176 $\pm$ 0.004 χ^2 /NDF: 6673219.5/59

29.120 $\pm$ 0.005 χ^2 /NDF: 3570220.4/29

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: 23.057 $\pm$ 77.914 χ^2 /NDF: 4.0/12

Right Out: 11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

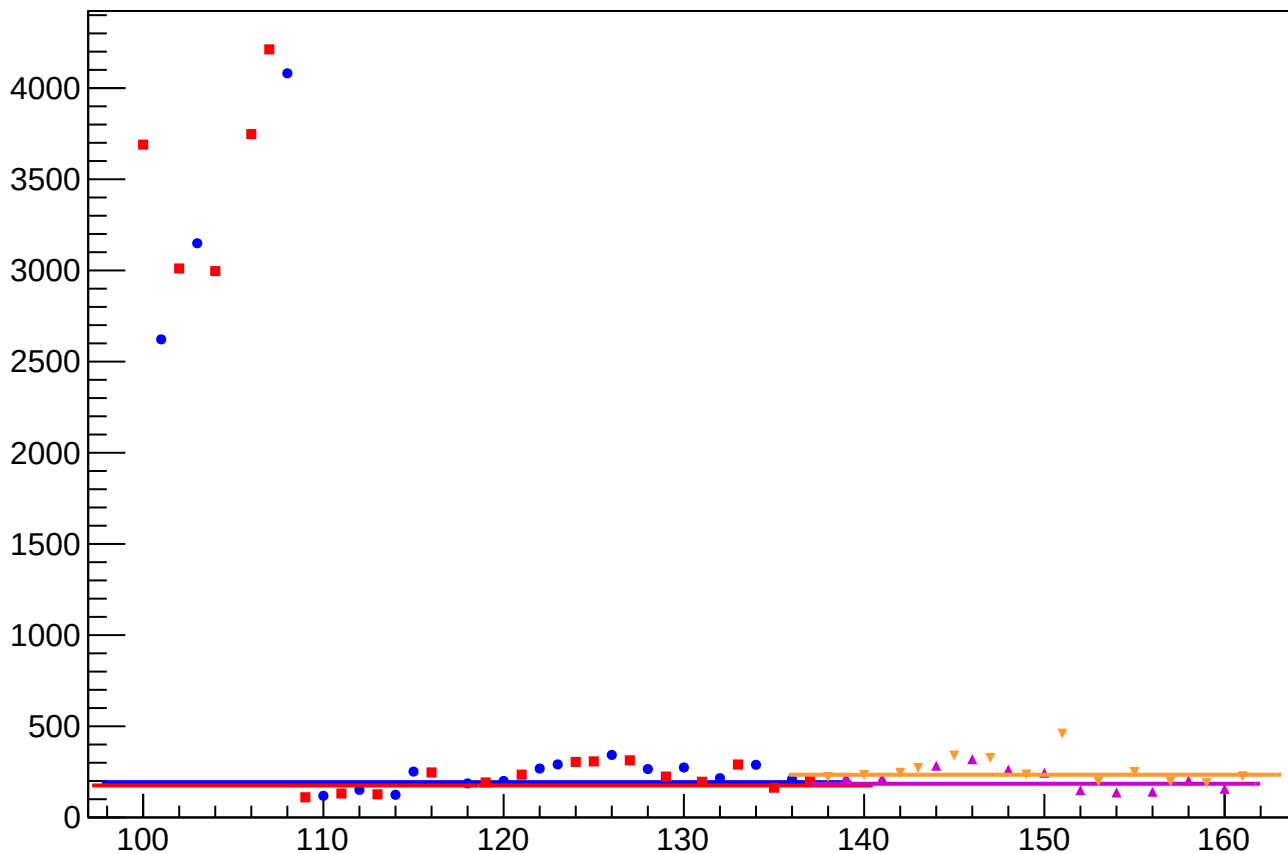
Left In: 65.204 $\pm$ 66.212 χ^2 /NDF: 5.5/10

55.550 $\pm$ 58.681 χ^2 /NDF: 17.0/29

49.037 $\pm$ 38.690 χ^2 /NDF: 35.0/59

44.028 $\pm$ 51.458 χ^2 /NDF: 18.1/29

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: 234.144 ± 0.055 χ^2/NDF : 883873.7/12

Right Out: 175.509 ± 0.058 χ^2/NDF : 4165575.9/18

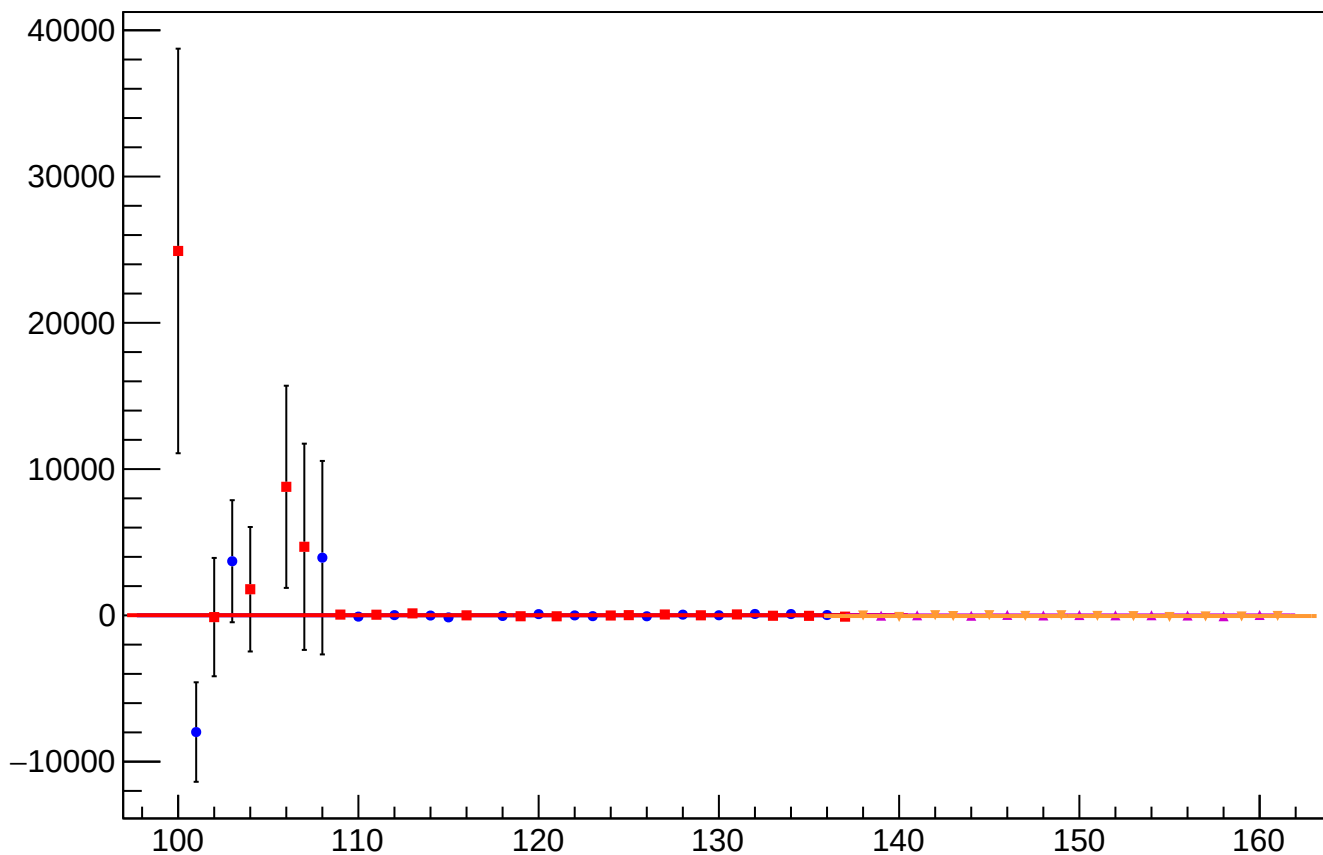
Left In: 184.922 ± 0.047 χ^2/NDF : 1256501.4/10

216.562 ± 0.041 χ^2/NDF : 4656154.2/29

196.569 ± 0.027 χ^2/NDF : 10504935.2/59

181.194 ± 0.036 χ^2/NDF : 5438082.1/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -45.311 $\pm$ 11.280 χ^2 /NDF: 11.7/12

Right Out: 12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

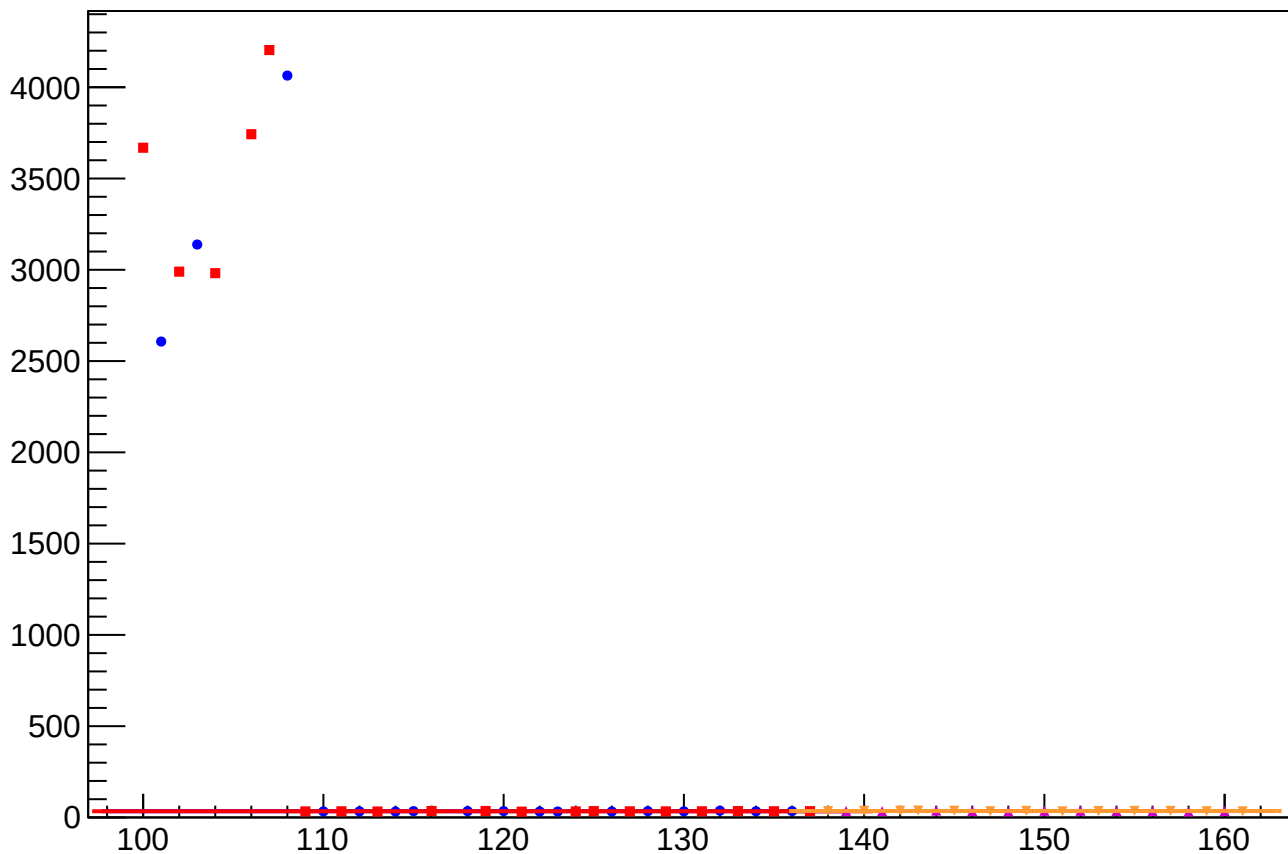
Left In: -1.465 $\pm$ 11.798 χ^2 /NDF: 4.8/10

-27.014 $\pm$ 9.026 χ^2 /NDF: 39.5/29

-12.022 $\pm$ 6.464 χ^2 /NDF: 72.3/59

3.762 $\pm$ 9.262 χ^2 /NDF: 27.2/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 35.229 $\pm$ 0.008 χ^2 /NDF: 26927.3/12

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

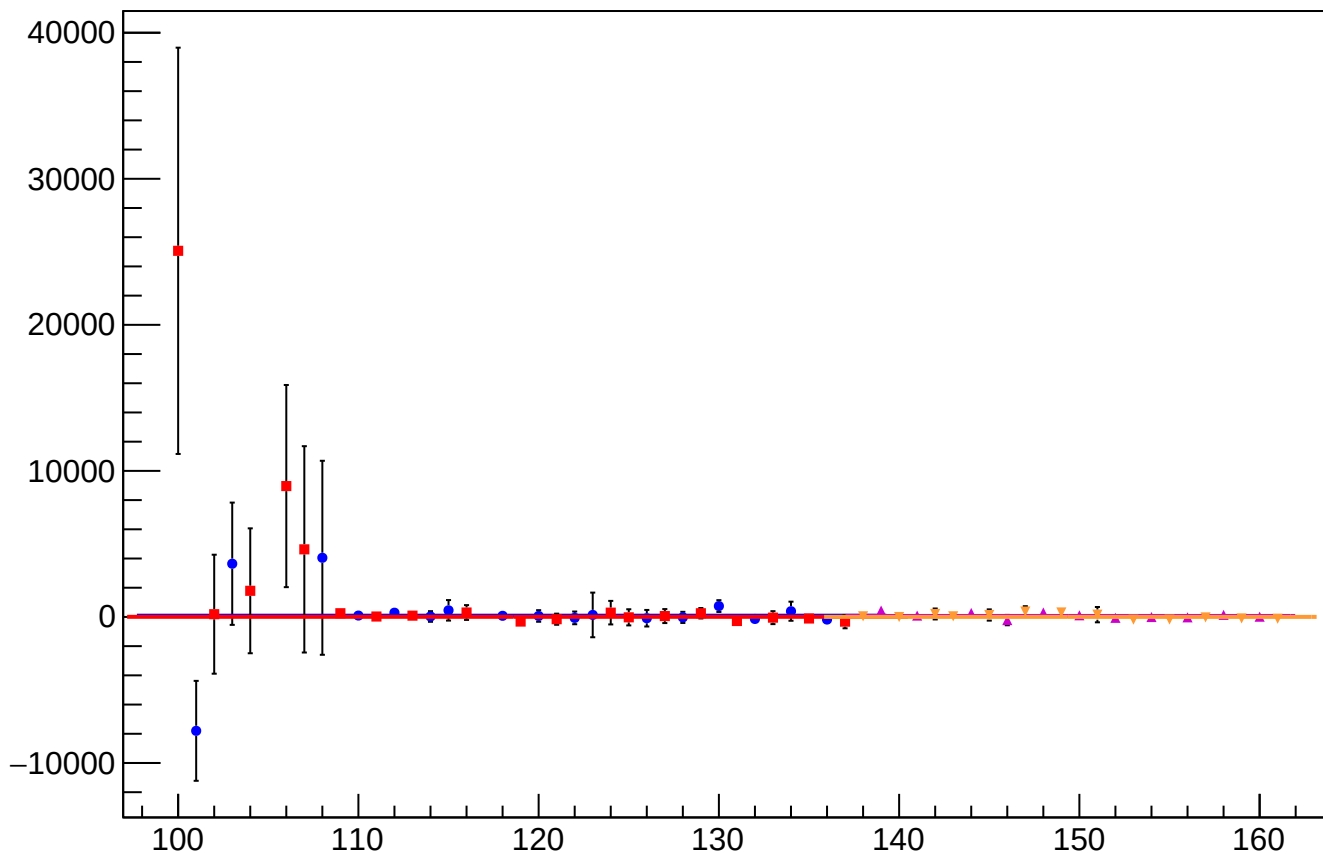
Left In: 35.324 $\pm$ 0.008 χ^2 /NDF: 24670.7/10

34.847 $\pm$ 0.006 χ^2 /NDF: 3039804.7/29

34.816 $\pm$ 0.005 χ^2 /NDF: 6527417.2/59

34.782 $\pm$ 0.007 χ^2 /NDF: 3487562.5/29

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: 3.332+/-77.684 χ^2/NDF : 4.4/12

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

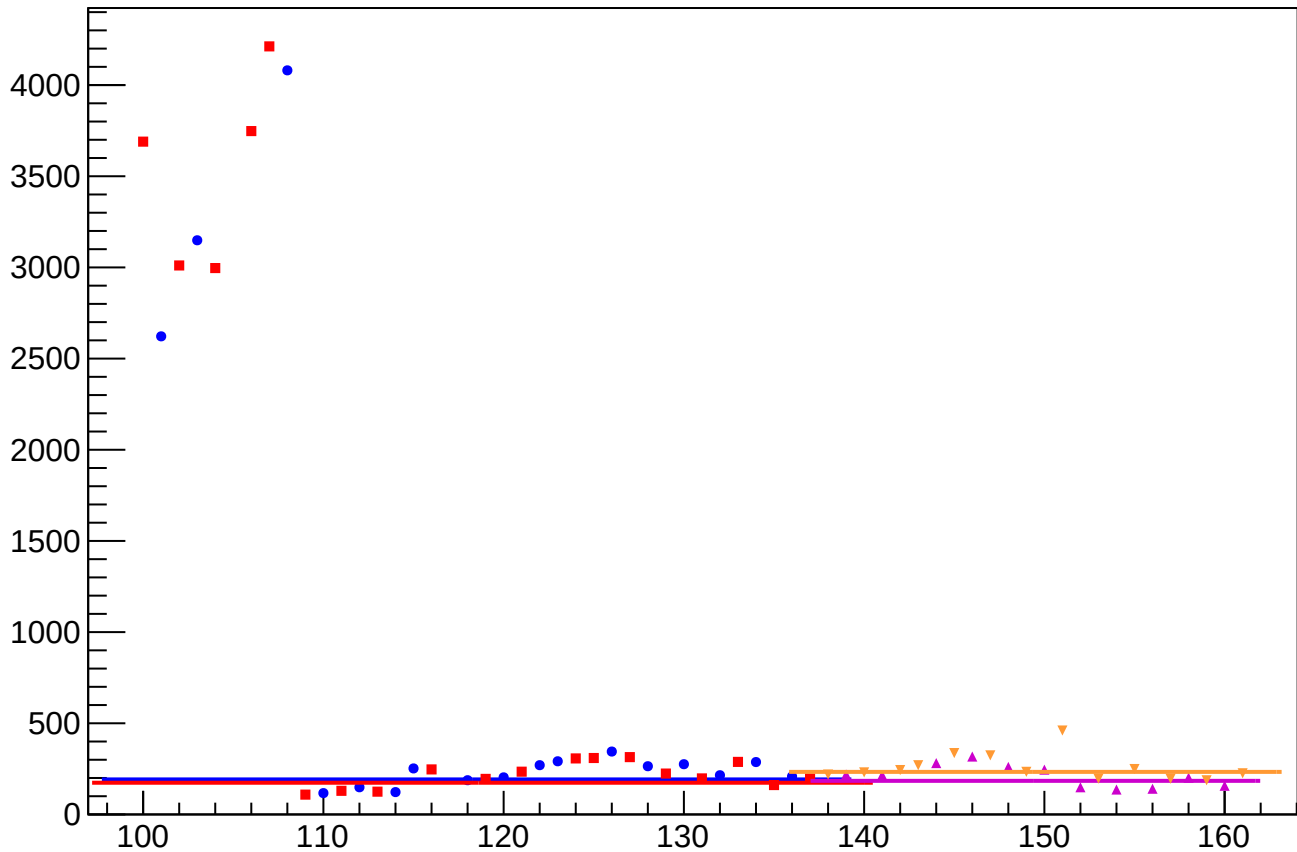
Left In: 66.000+/-65.985 χ^2/NDF : 4.9/10

38.547+/-58.453 χ^2/NDF : 17.4/29

41.165+/-38.524 χ^2/NDF : 33.7/59

43.176+/-51.223 χ^2/NDF : 16.2/29

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: 233.471 ± 0.055 χ^2/NDF : 877026.6/12

Right Out: 173.961 ± 0.057 χ^2/NDF : 4211616.2/18

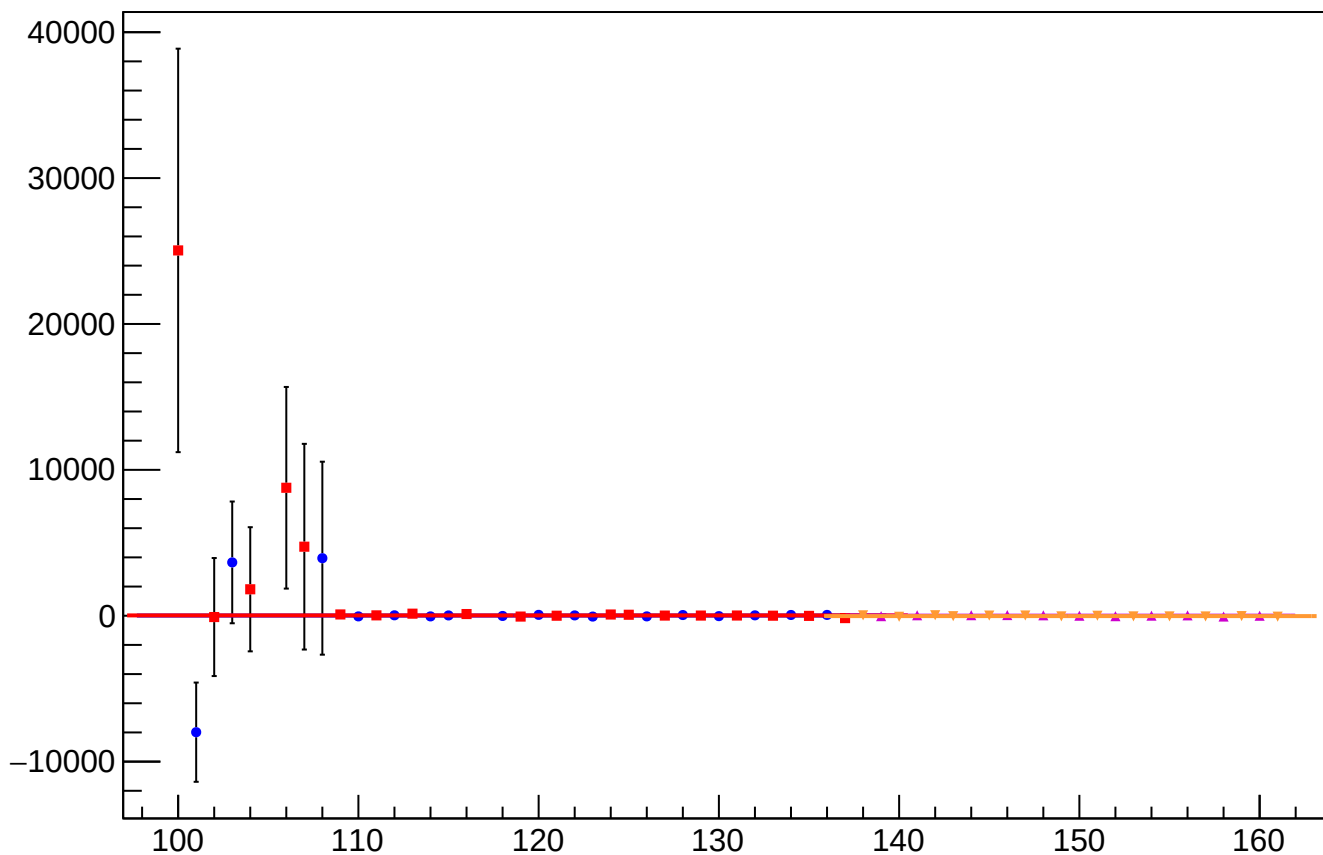
Left In: 184.320 ± 0.047 χ^2/NDF : 1241561.8/10

215.556 ± 0.041 χ^2/NDF : 4696804.9/29

195.560 ± 0.027 χ^2/NDF : 10583382.5/59

180.203 ± 0.036 χ^2/NDF : 5472768.7/29

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: -25.169+/-10.254 χ^2/NDF : 10.3/12

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

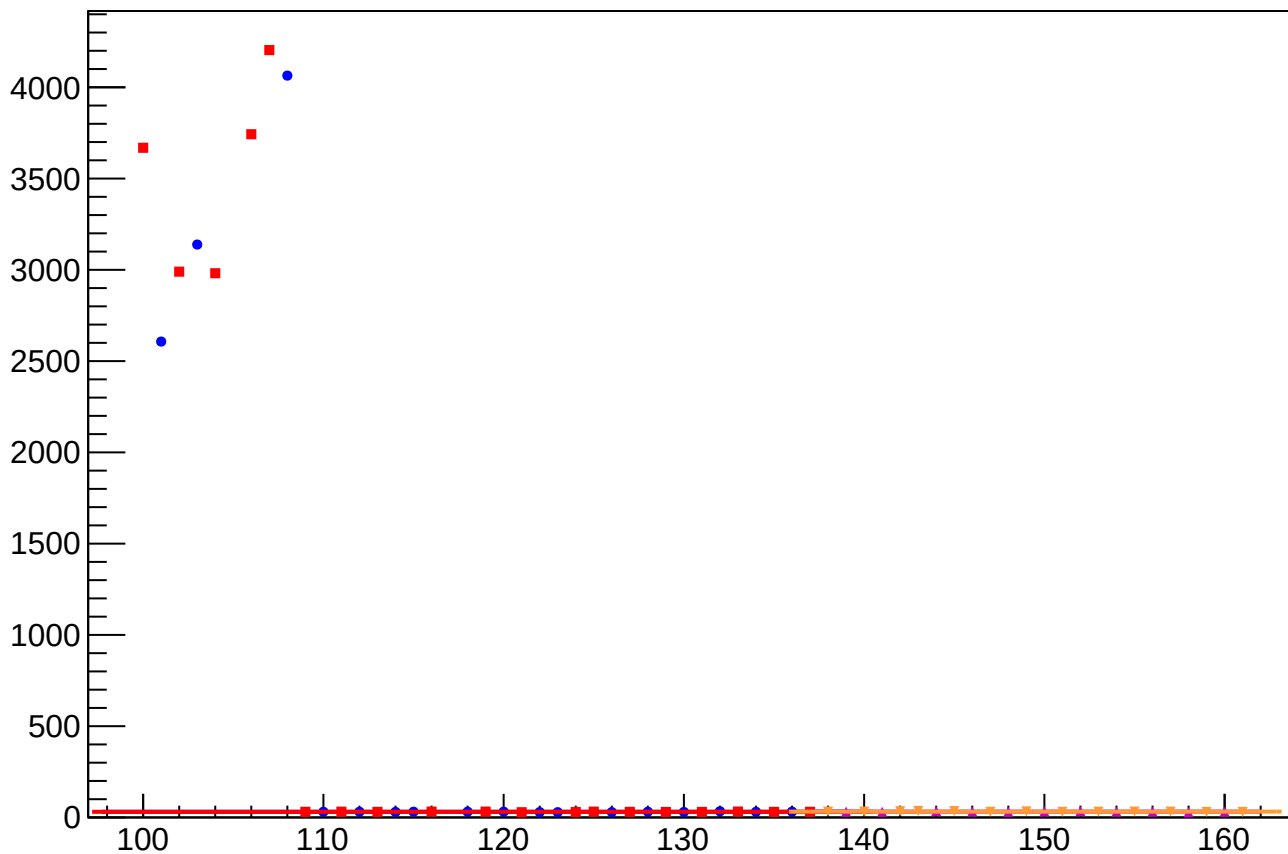
Left In: 4.976+/-10.697 χ^2/NDF : 8.7/10

-11.583+/-8.215 χ^2/NDF : 29.8/29

-0.240+/-5.880 χ^2/NDF : 71.5/59

11.682+/-8.422 χ^2/NDF : 37.8/29

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: 31.991+/-0.007 χ^2/NDF : 47078.5/12

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

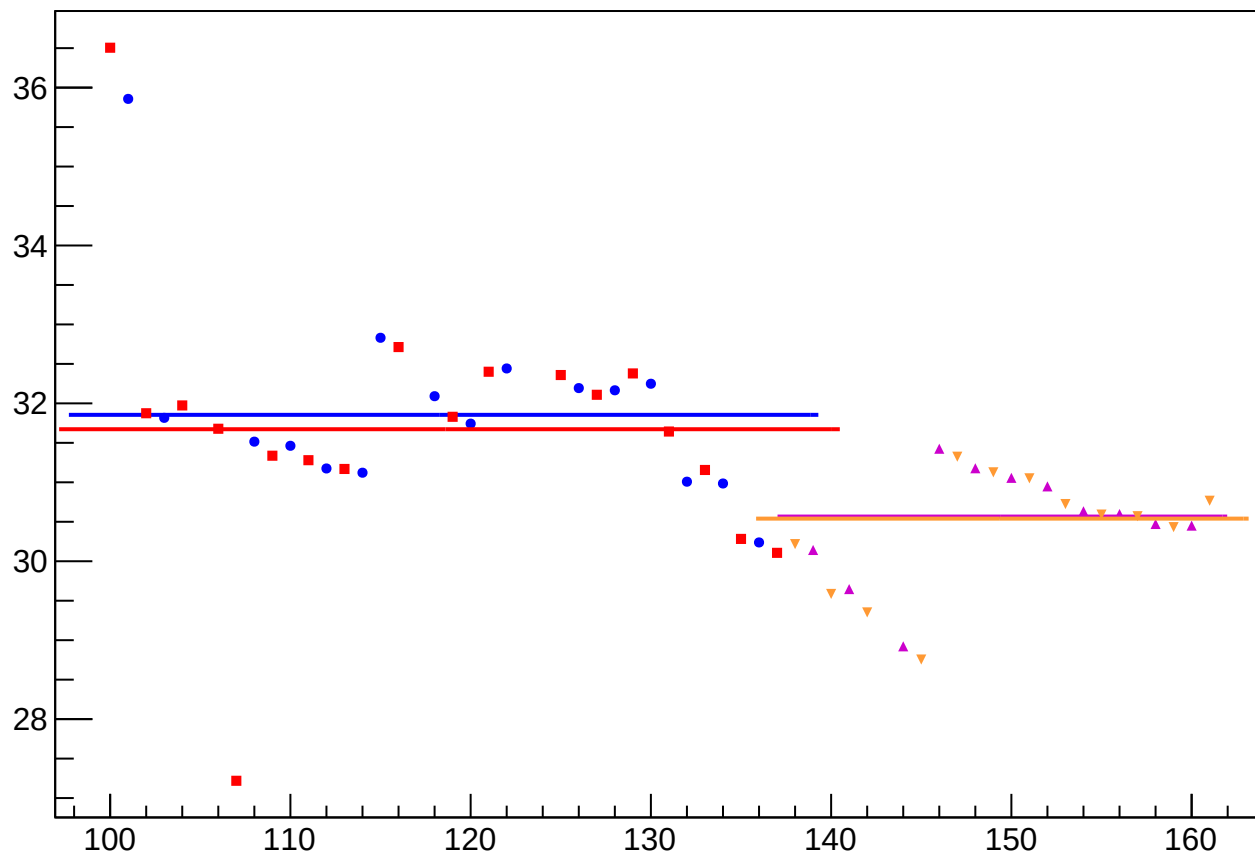
Left In: 31.966+/-0.008 χ^2/NDF : 53200.2/10

31.691+/-0.006 χ^2/NDF : 3066376.7/29

31.639+/-0.004 χ^2/NDF : 6585358.1/59

31.585+/-0.006 χ^2/NDF : 3518819.7/29

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855 ± 0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.540 ± 0.000 χ^2/NDF : 595345877.3/11

Right Out: 31.672 ± 0.000 χ^2/NDF : 917899841.8/17

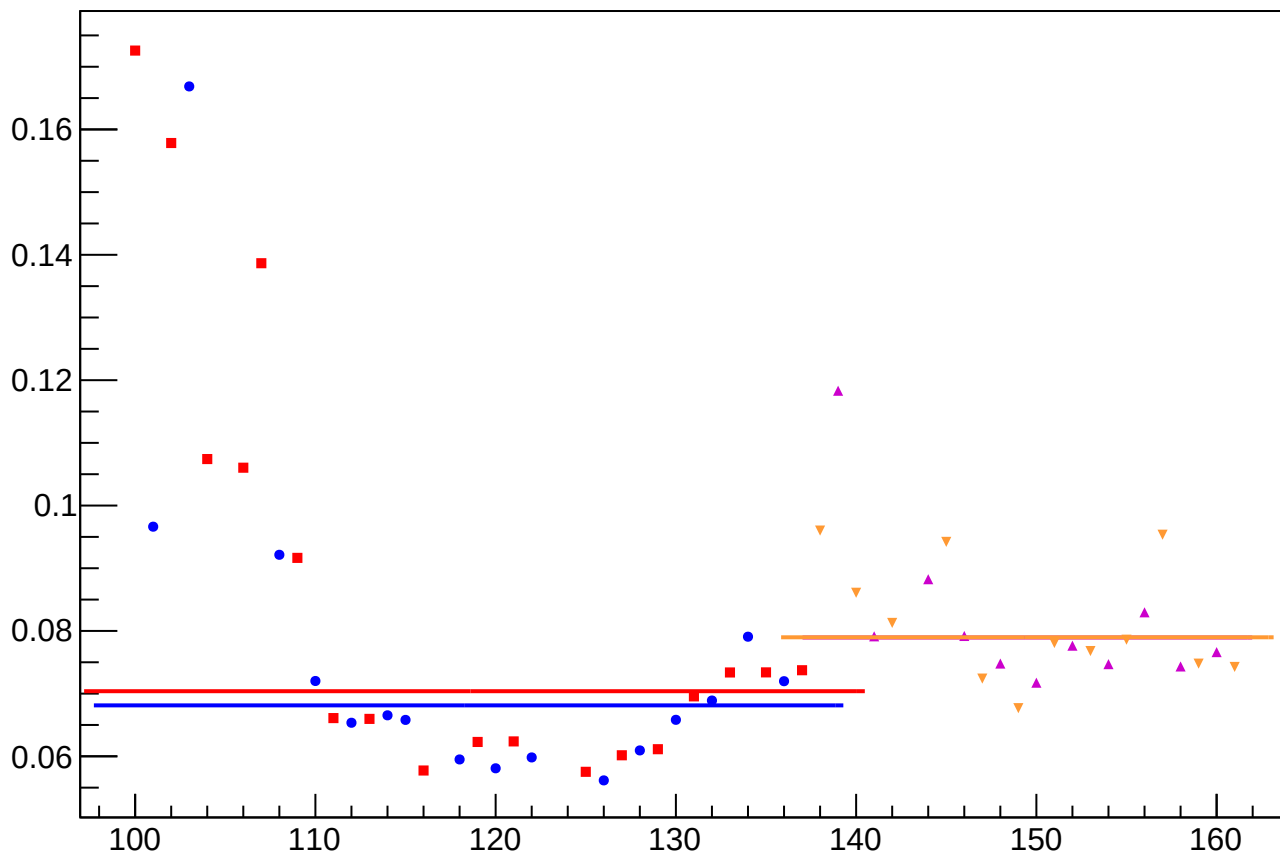
Left In: 30.566 ± 0.000 χ^2/NDF : 564589714.0/10

31.183 ± 0.000 χ^2/NDF : 3264195283.6/27

31.141 ± 0.000 χ^2/NDF : 5515445815.4/5

31.097 ± 0.000 χ^2/NDF : 2242047161.4/28

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 ± 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.079 ± 0.000 χ^2/NDF : 191847.1/11

Right Out: 0.070 ± 0.000 χ^2/NDF : 841320.1/17

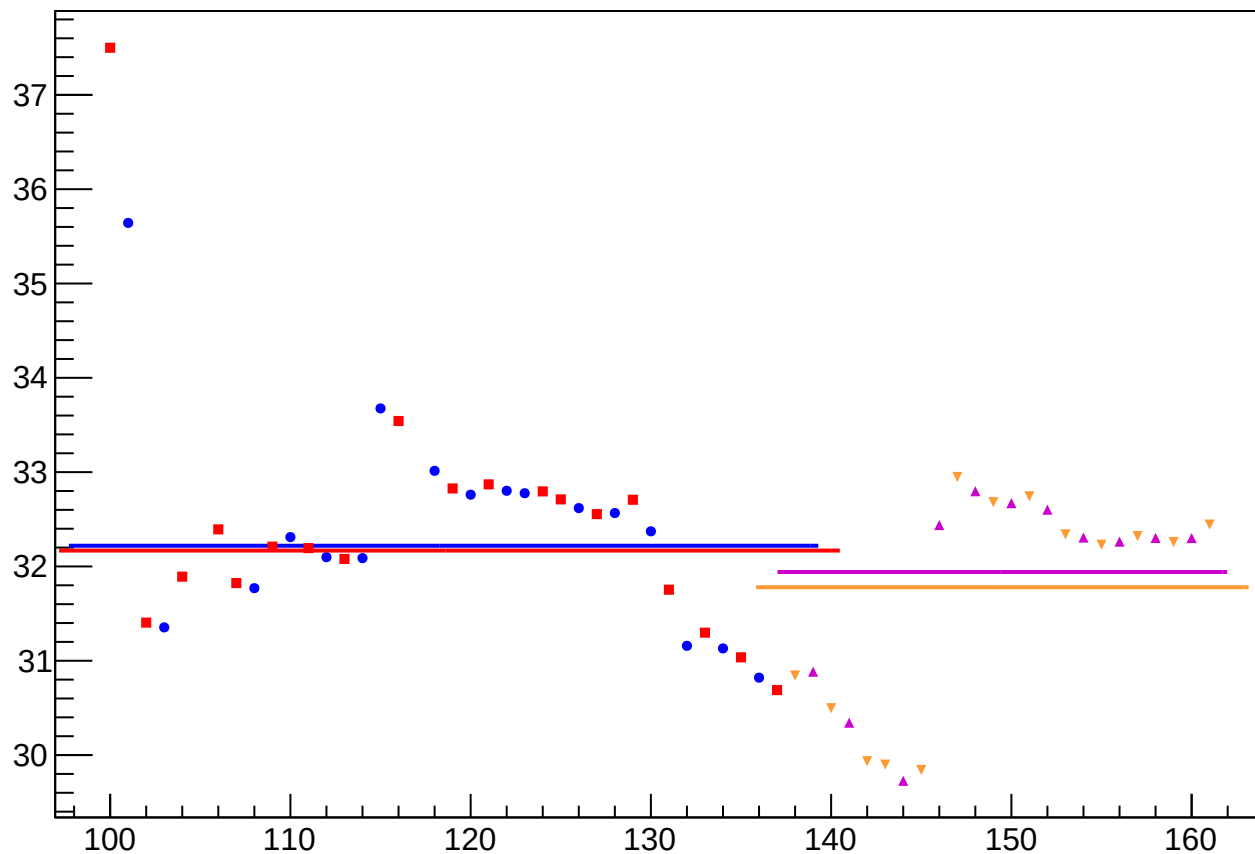
Left In: 0.079 ± 0.000 χ^2/NDF : 207740.8/10

0.074 ± 0.000 χ^2/NDF : 971495.1/27

0.074 ± 0.000 χ^2/NDF : 2114983.8/56

0.075 ± 0.000 χ^2/NDF : 1140081.7/28

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220 $\pm$ 0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.779 $\pm$ 0.000 χ^2/NDF : 1801379484.2/12

Right Out: 32.168 $\pm$ 0.000 χ^2/NDF : 442298310.3/18

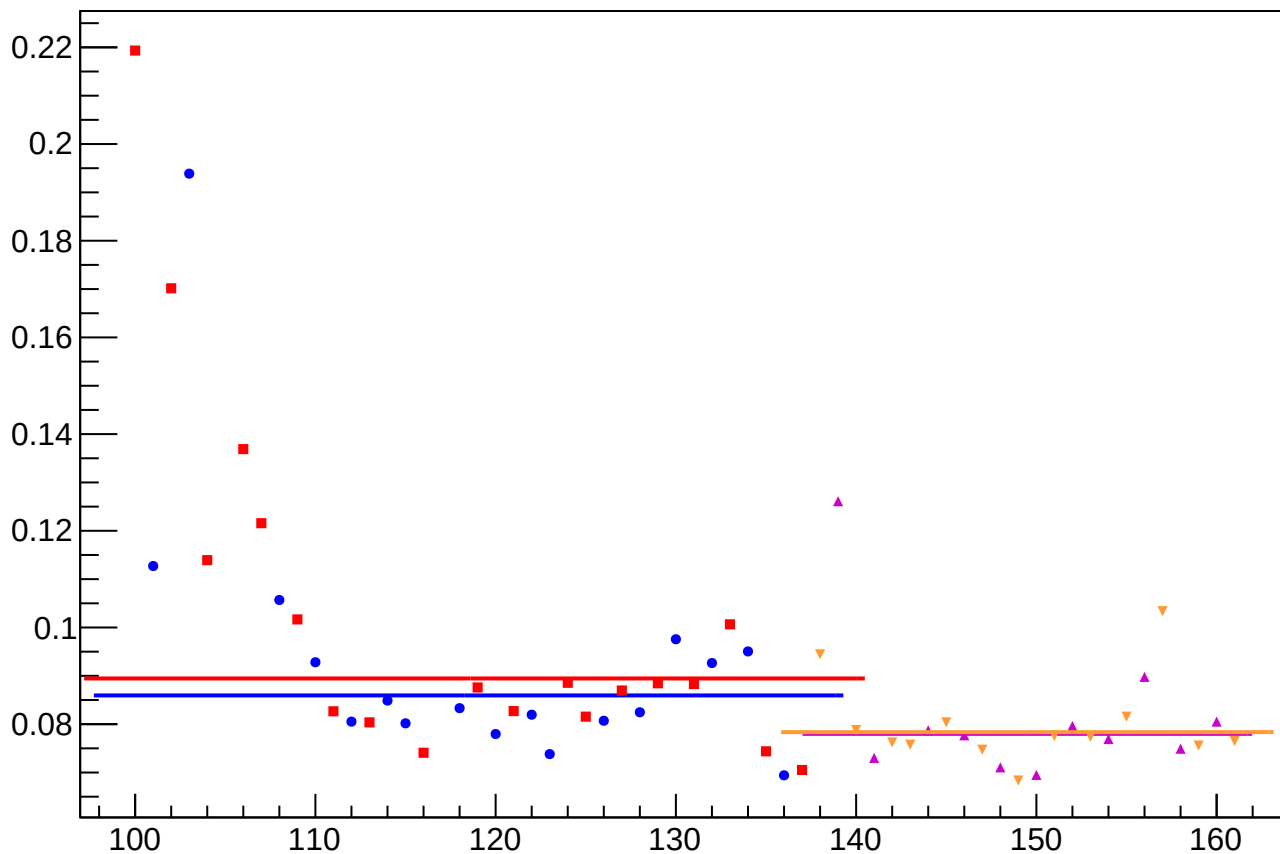
Left In: 31.941 $\pm$ 0.000 χ^2/NDF : 1376640128.5/10

31.936 $\pm$ 0.000 χ^2/NDF : 2913224583.0/29

31.979 $\pm$ 0.000 χ^2/NDF : 4765773650.6/5

32.024 $\pm$ 0.000 χ^2/NDF : 1844147014.7/29

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078+/-0.000 χ^2/NDF : 158504.8/12

Right Out: 0.089+/-0.000 χ^2/NDF : 539869.9/18

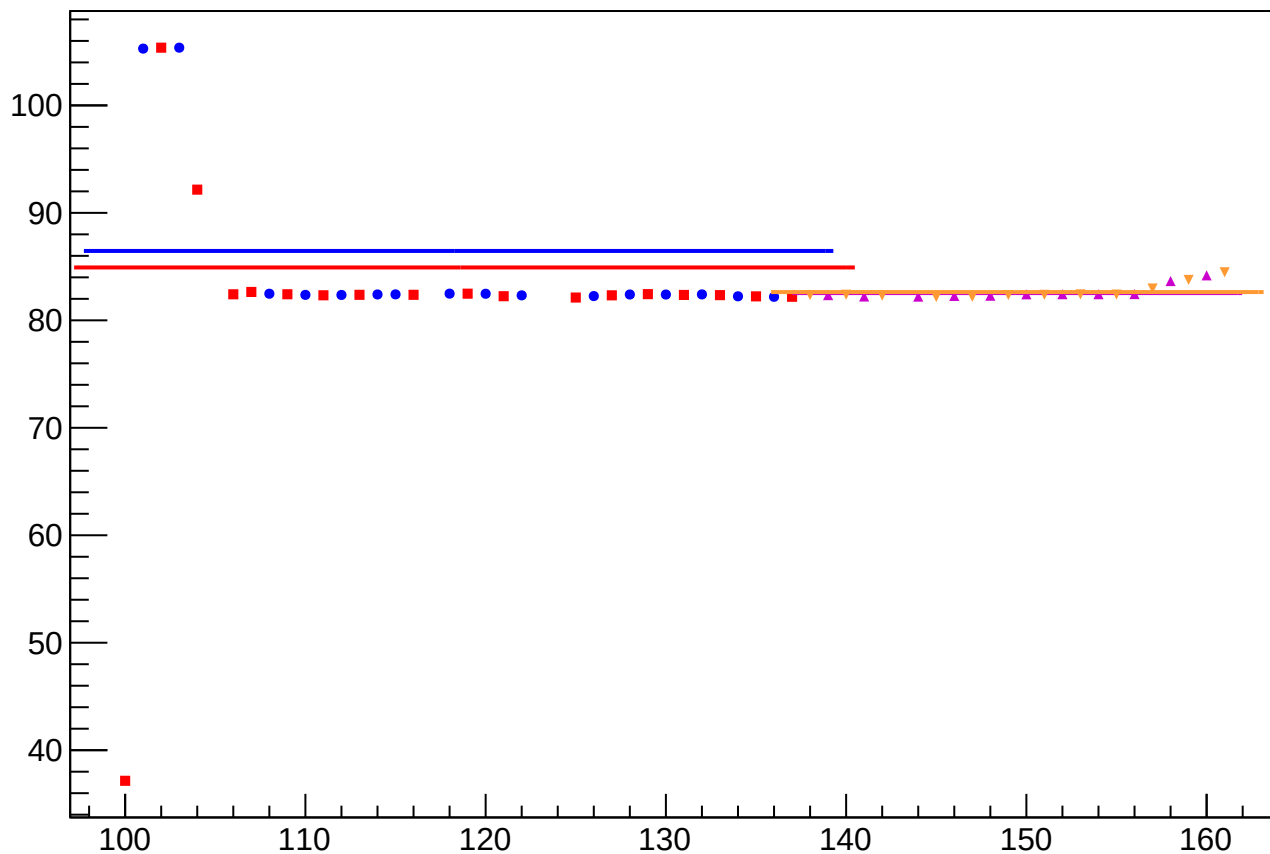
Left In: 0.078+/-0.000 χ^2/NDF : 279599.7/10

0.081+/-0.000 χ^2/NDF : 770111.0/29

0.082+/-0.000 χ^2/NDF : 1720591.9/59

0.082+/-0.000 χ^2/NDF : 947794.2/29

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457 $\pm$ 0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.630 $\pm$ 0.000 χ^2/NDF : 1958142266.0/11

Right Out: 84.920 $\pm$ 0.000 χ^2/NDF : 172195187677.7/17

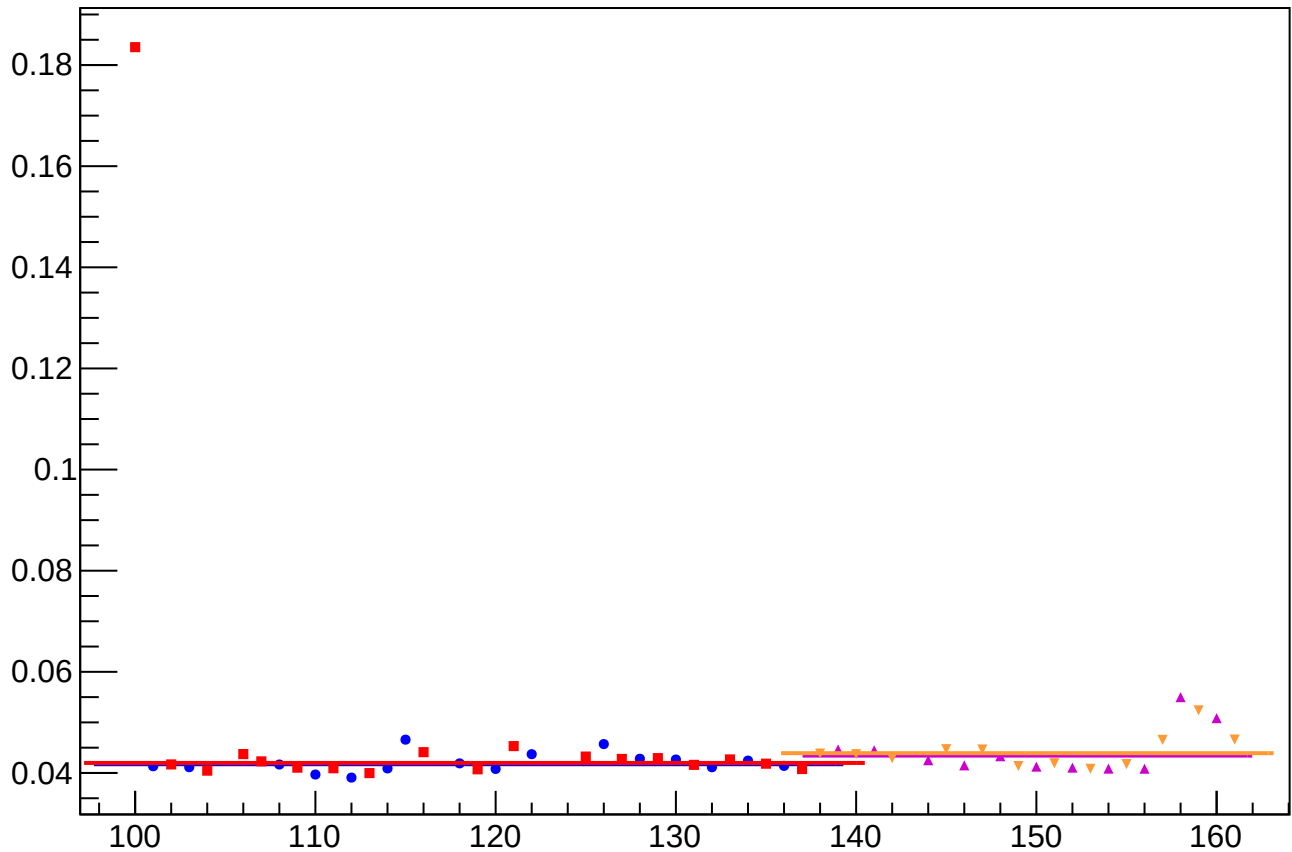
Left In: 82.536 $\pm$ 0.000 χ^2/NDF : 1326885304.7/10

84.352 $\pm$ 0.000 χ^2/NDF : 323735225684.7/27

83.983 $\pm$ 0.000 χ^2/NDF : 511580006186.4

83.623 $\pm$ 0.000 χ^2/NDF : 185595733207.0/28

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 : 75121.1/11

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

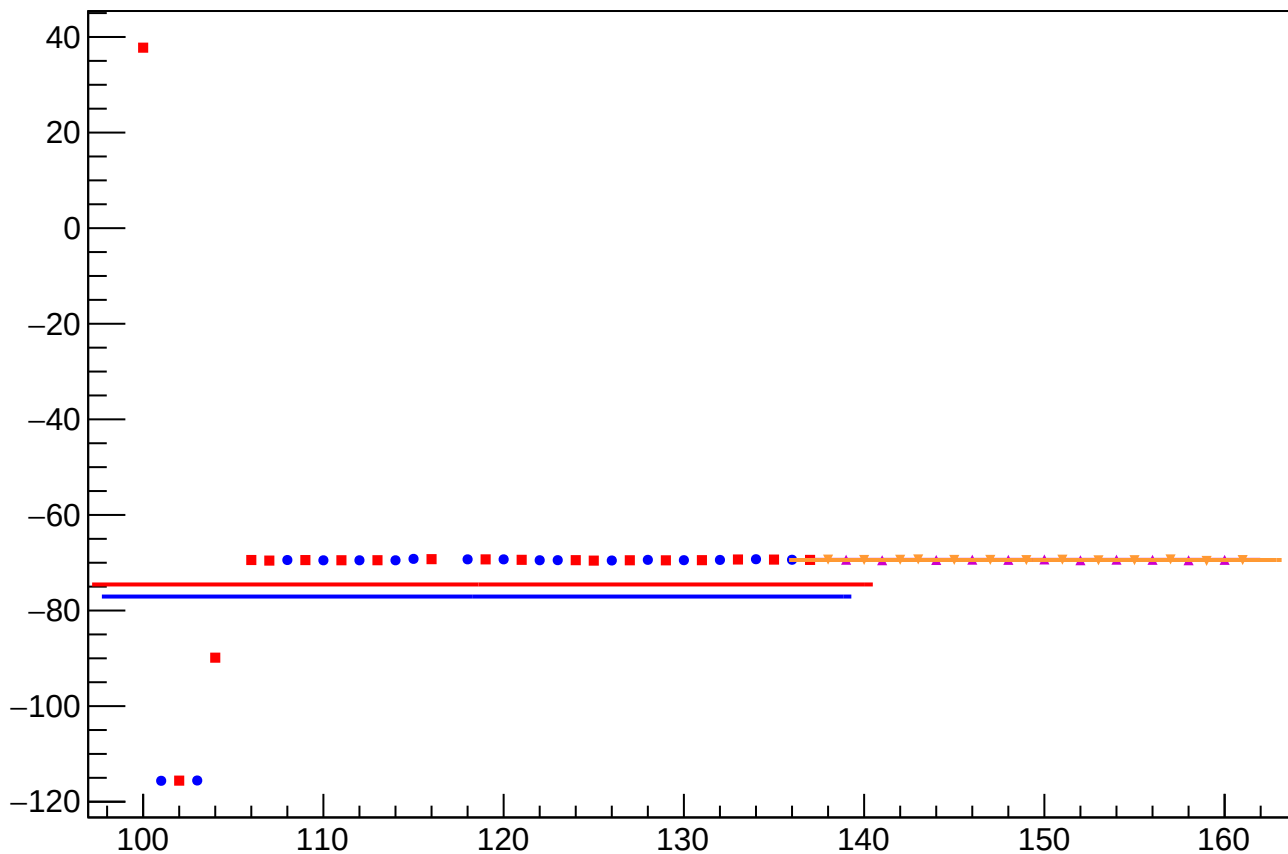
Left In: 0.043+/-0.000 χ^2/NDF : 132105.8/10

0.043+/-0.000 χ^2/NDF : 113808.0/27

0.043+/-0.000 χ^2/NDF : 351965.6/56

0.043+/-0.000 χ^2/NDF : 237943.7/28

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.425+/-0.000 χ^2/NDF : 20327304.6/12

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

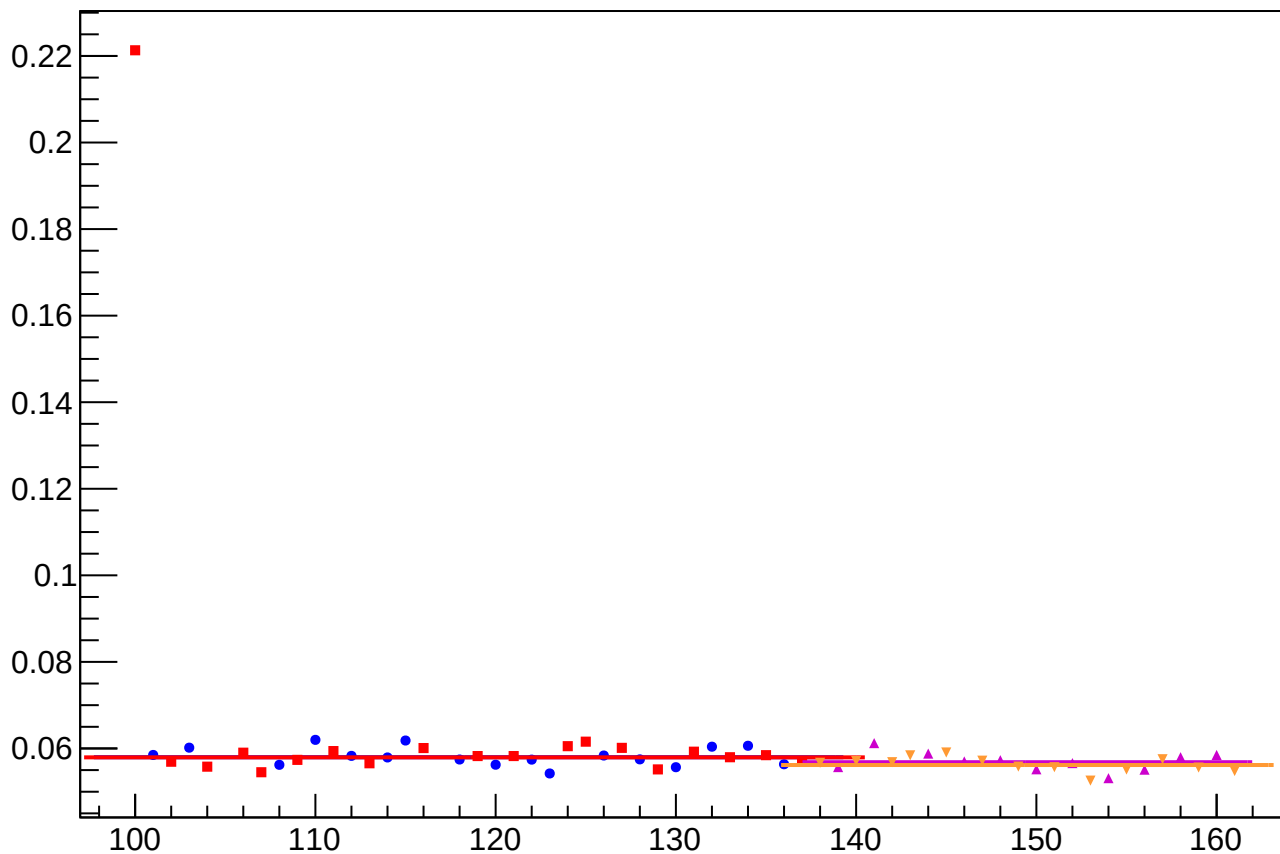
Left In: -69.396+/-0.000 χ^2/NDF : 7546841.4/10

-72.415+/-0.000 χ^2/NDF : 633655621060.3/29

-72.025+/-0.000 χ^2/NDF : 103784302786

-71.621+/-0.000 χ^2/NDF : 402672112361.2/29

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056+/-0.000 χ^2/NDF : 16506.9/12

Right Out: 0.058+/-0.000 χ^2/NDF : 86466.5/18

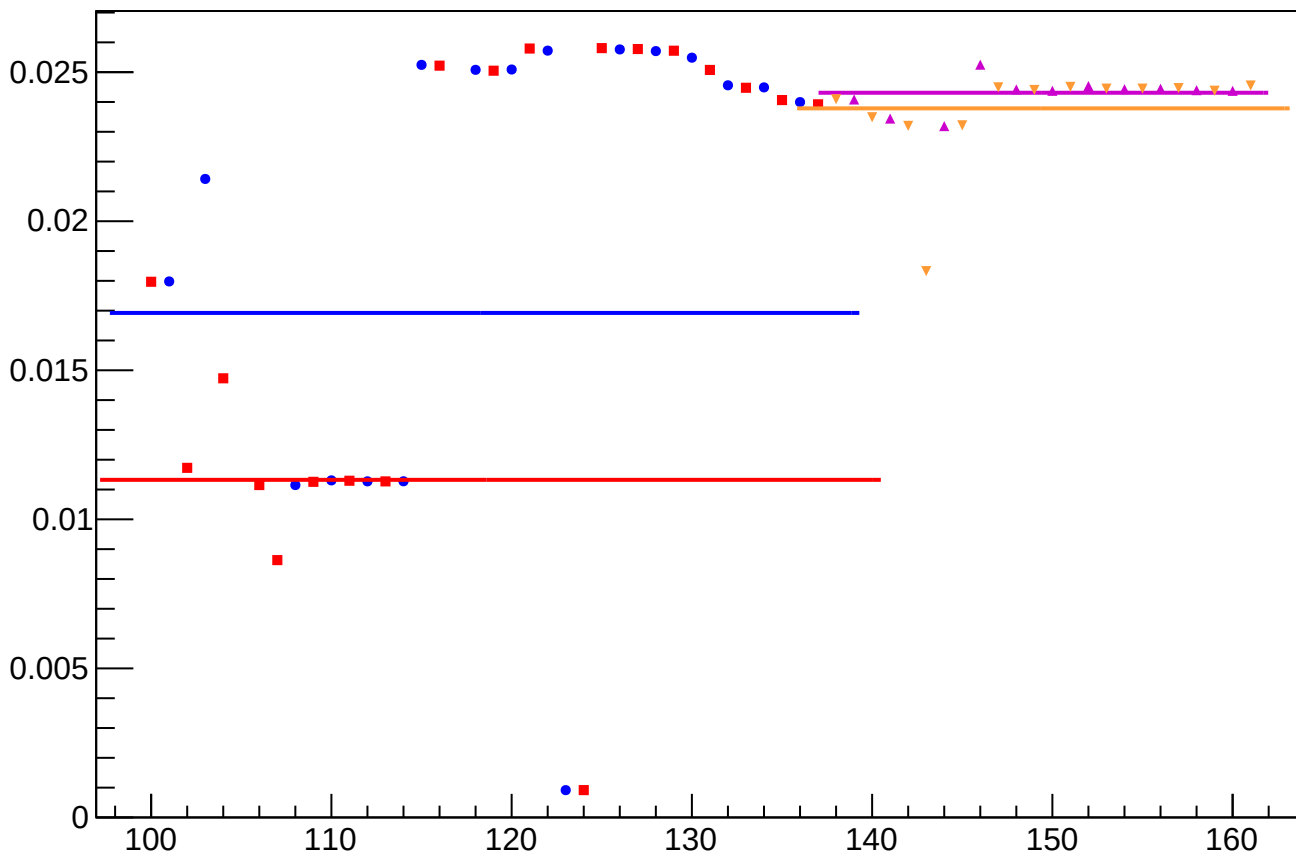
Left In: 0.057+/-0.000 χ^2/NDF : 23786.7/10

0.057+/-0.000 χ^2/NDF : 36334.8/29

0.057+/-0.000 χ^2/NDF : 150384.3/59

0.057+/-0.000 χ^2/NDF : 113159.1/29

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: 5042622885.5/12

0.021 $\pm$ 0.000 χ^2 /NDF: 172986553211.8/29

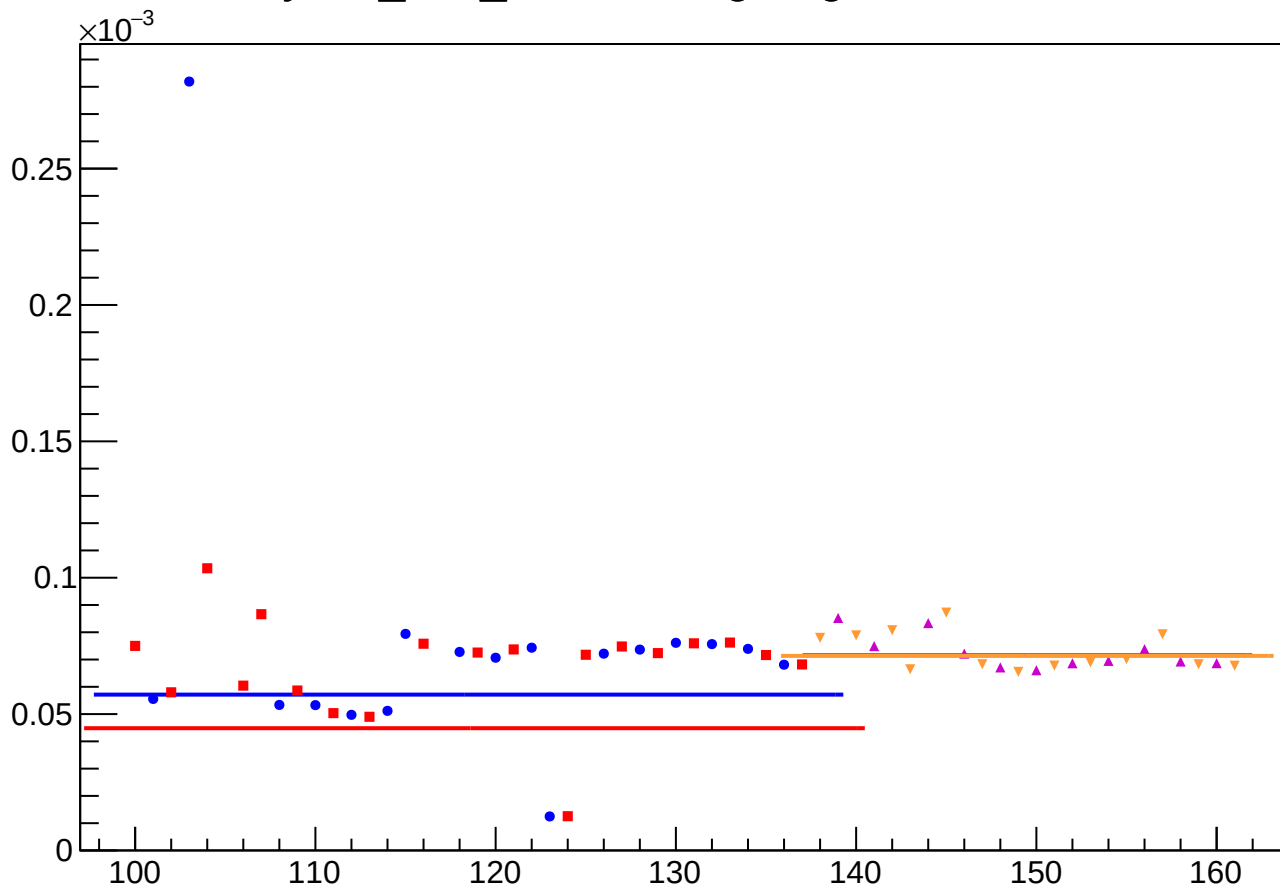
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

0.018 $\pm$ 0.000 χ^2 /NDF: 603801088762.2/29

0.017 $\pm$ 0.000 χ^2 /NDF: 403451397305.2/29

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 416479665.6/10

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :135400.6/12

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

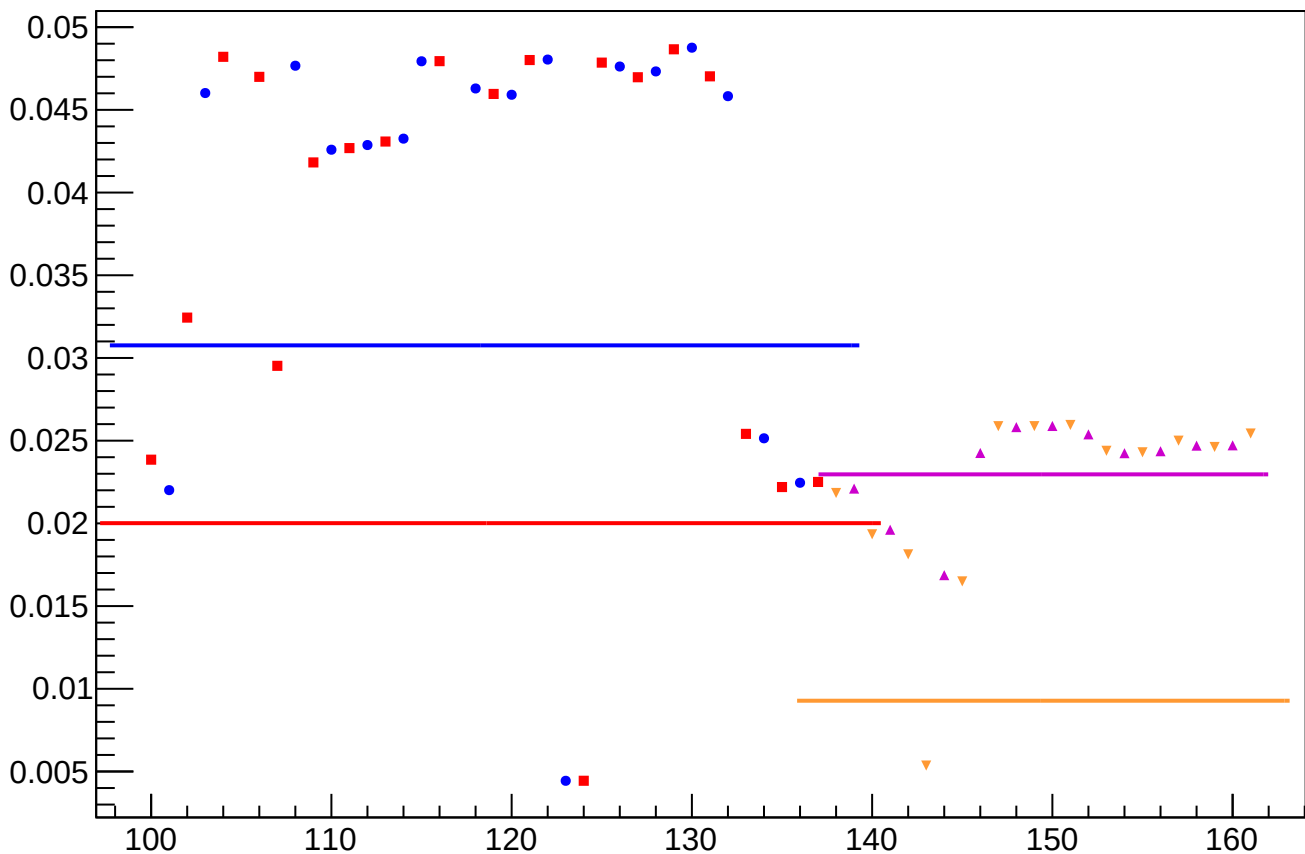
Left In: 0.000+/-0.000 χ^2/NDF :102533.7/10

0.000+/-0.000 χ^2/NDF : 2491684.9/29

0.000+/-0.000 χ^2/NDF : 7899331.9/59

0.000+/-0.000 χ^2/NDF : 5124703.8/29

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 25075150848.9/12

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

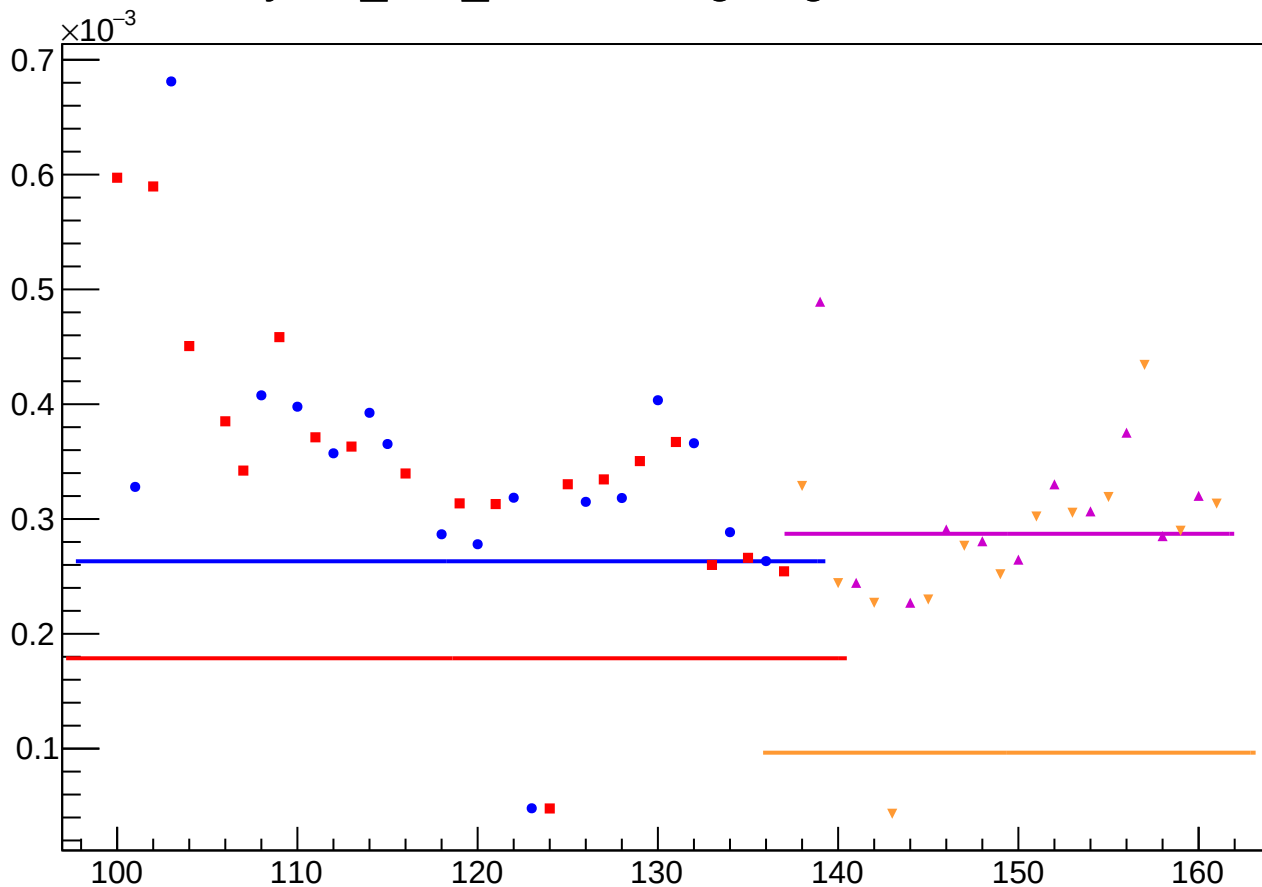
Left In: 0.023+/-0.000 χ^2/NDF : 1002660078.8/10

0.012+/-0.000 χ^2/NDF : 74476403036.7/29

0.015+/-0.000 χ^2/NDF : 128624250856.6/29

0.021+/-0.000 χ^2/NDF : 41475283144.2/29

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 : 9187714.4/12

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

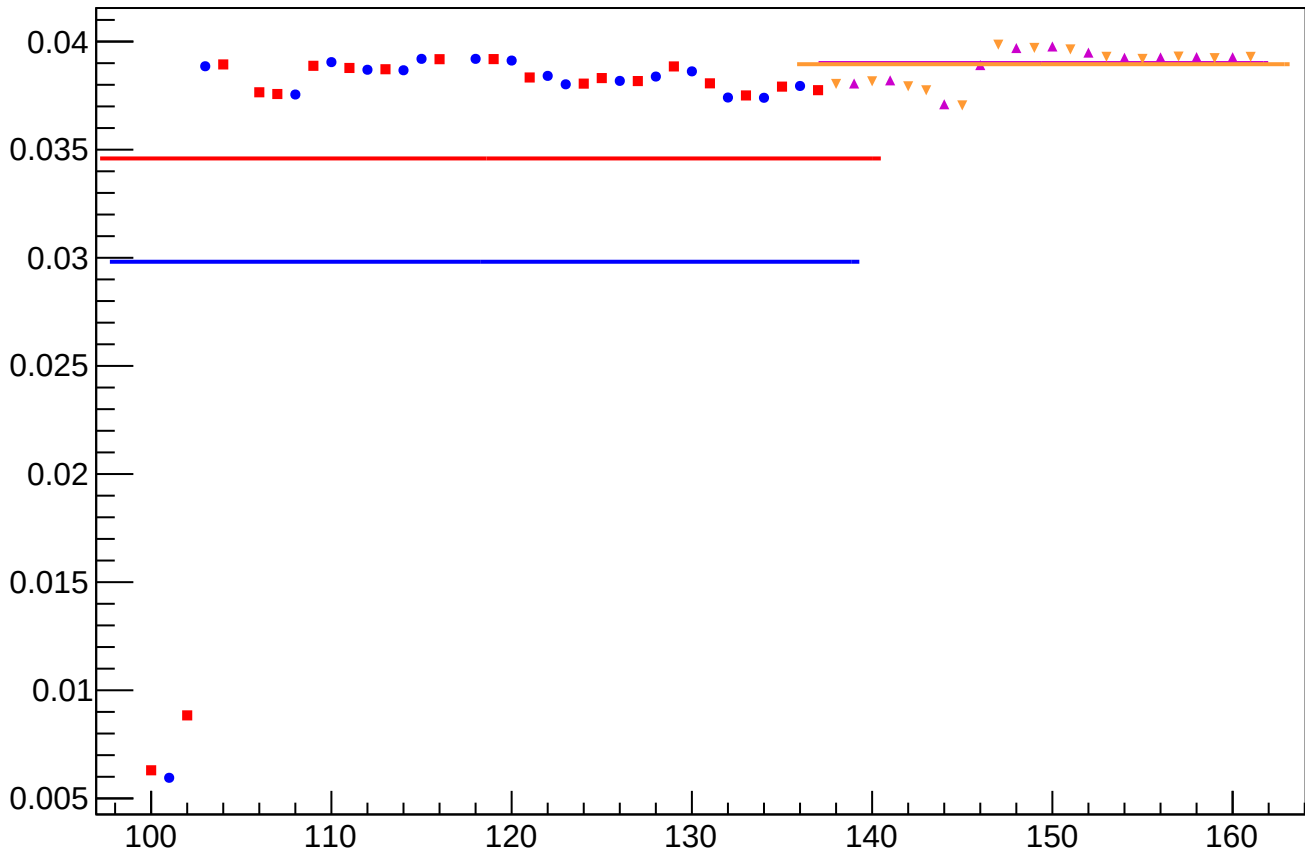
Left In: 0.000+/-0.000 χ^2/NDF : 529609.2/10

0.000+/-0.000 χ^2/NDF : 14988582.3/29

0.000+/-0.000 χ^2/NDF : 25675358.3/59

0.000+/-0.000 χ^2/NDF : 7116423.1/29

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.039+/-0.000 χ^2/NDF : 341564929.1/12

Right Out: 0.035+/-0.000 χ^2/NDF : 43669374279.3/18

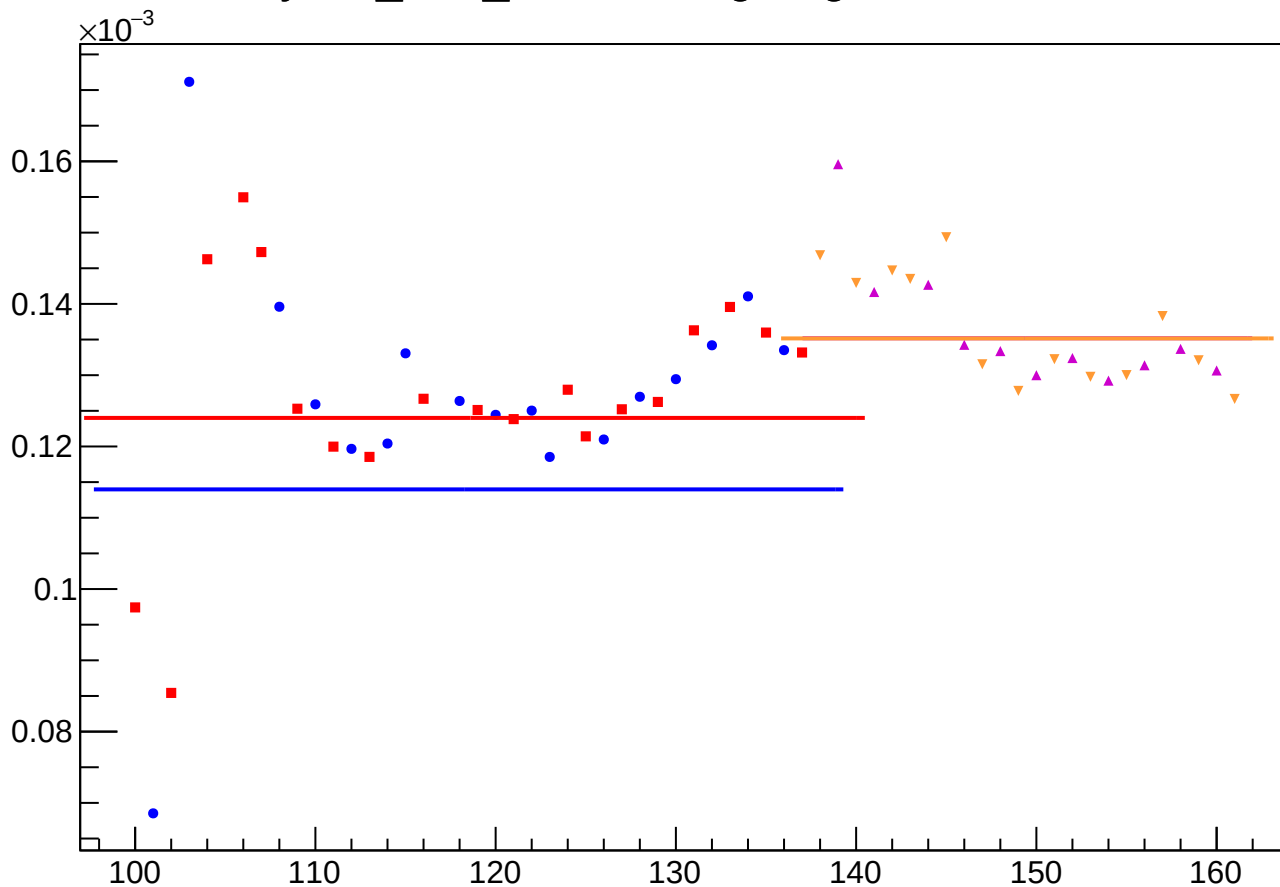
Left In: 0.039+/-0.000 χ^2/NDF : 272690232.4/10

0.035+/-0.000 χ^2/NDF : 118109308082.6/29

0.036+/-0.000 χ^2/NDF : 169015494118.1/29

0.037+/-0.000 χ^2/NDF : 48365517749.6/29

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 55503.5/12

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

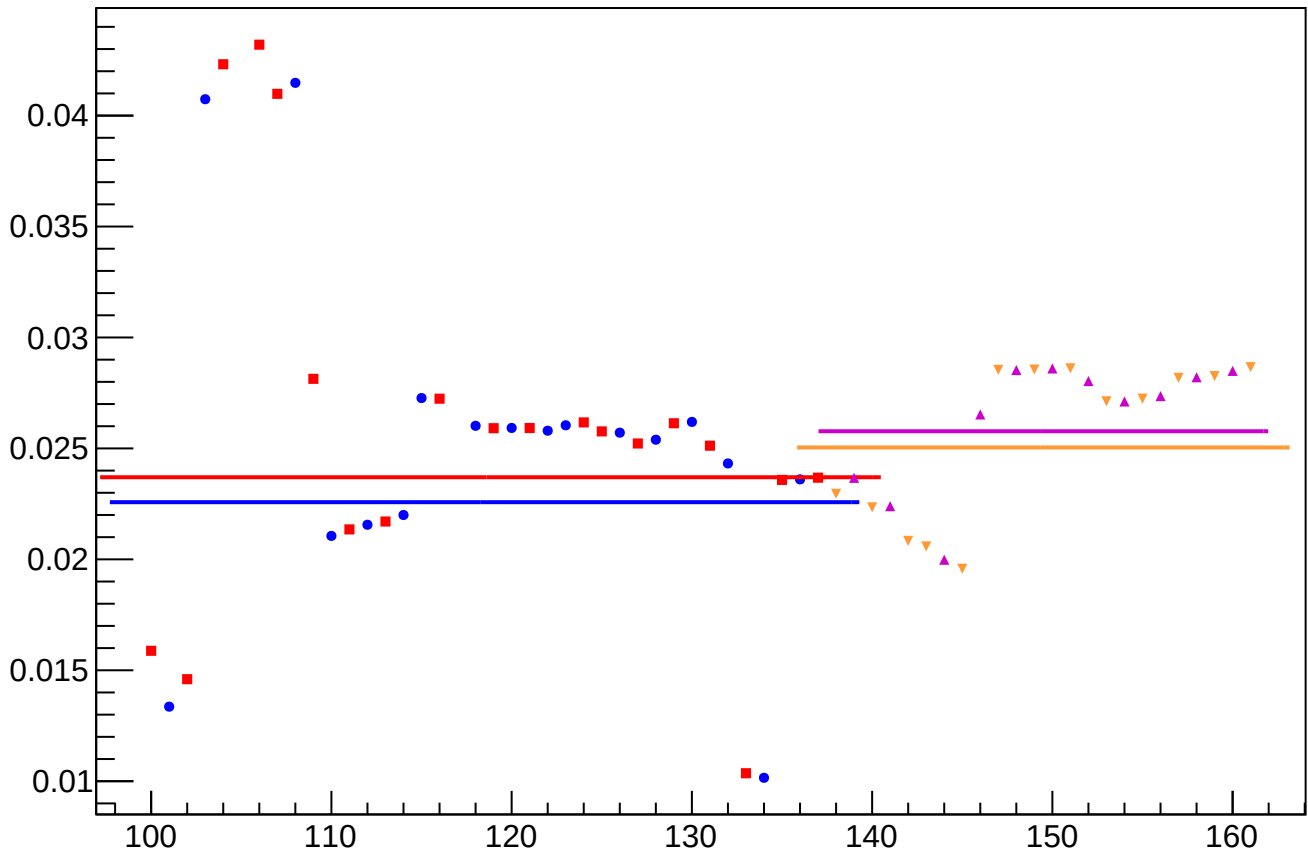
Left In: 0.000+/-0.000 χ^2/NDF : 52009.6/10

0.000+/-0.000 χ^2/NDF : 1071659.3/29

0.000+/-0.000 χ^2/NDF : 1447501.7/59

0.000+/-0.000 χ^2/NDF : 353875.6/29

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.025 $\pm$ 0.000 χ^2/NDF : 1556605463.8/12

Right Out: 0.024 $\pm$ 0.000 χ^2/NDF : 5651397656.1/18

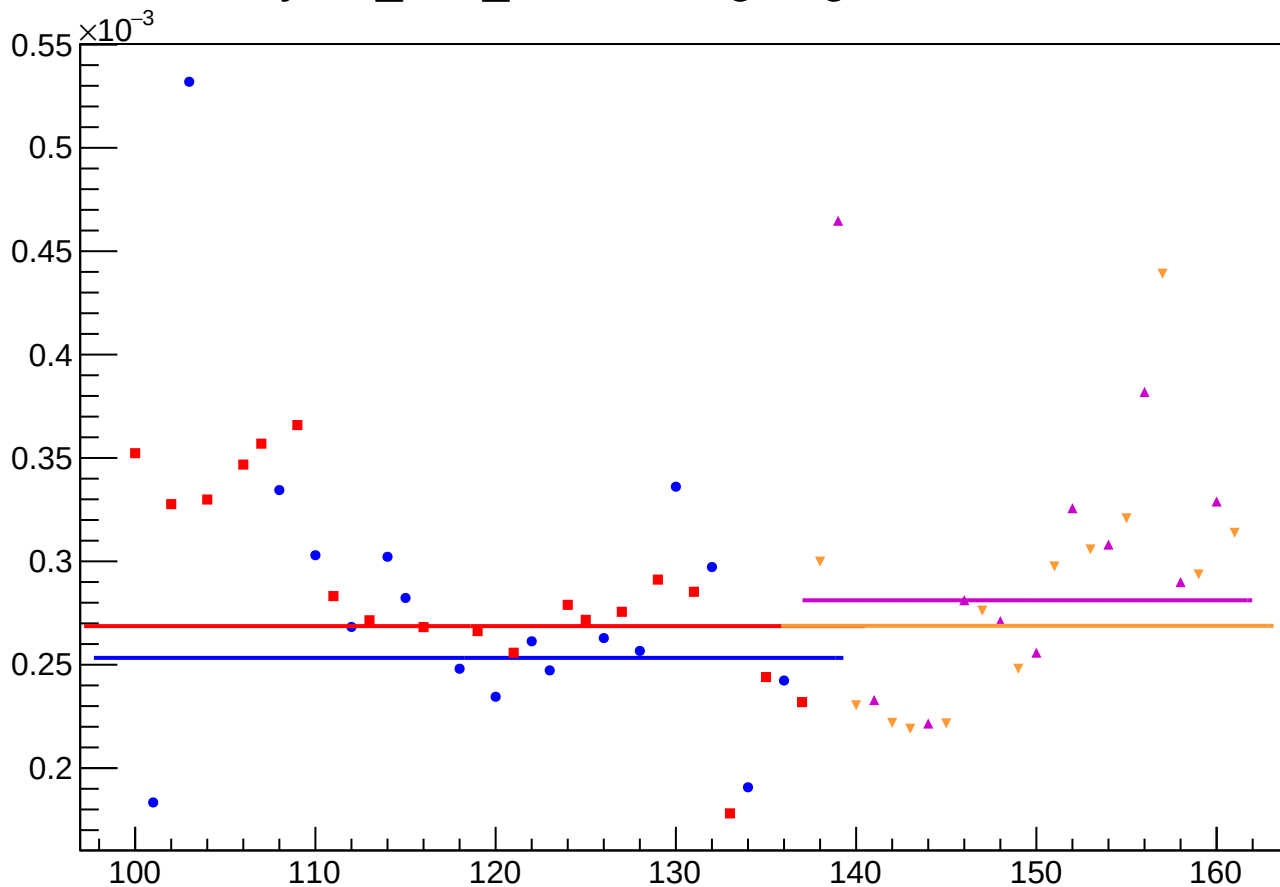
Left In: 0.026 $\pm$ 0.000 χ^2/NDF : 1057125616.5/10

0.024 $\pm$ 0.000 χ^2/NDF : 6113764490.1/29

0.024 $\pm$ 0.000 χ^2/NDF : 13093151200.1/5

0.025 $\pm$ 0.000 χ^2/NDF : 6907293857.4/29

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 : 511018.0/12

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

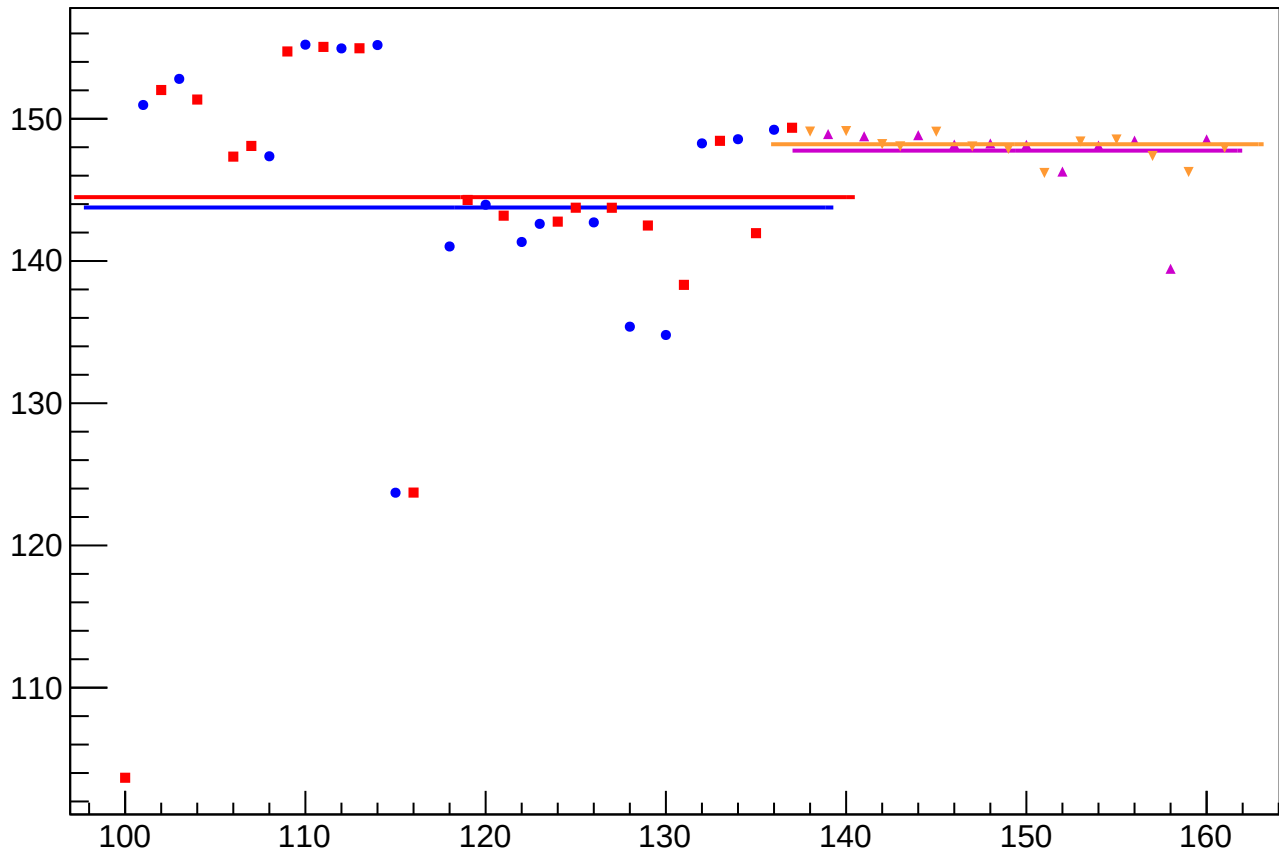
Left In: 0.000+/-0.000 χ^2/NDF : 583308.0/10

0.000+/-0.000 χ^2/NDF : 1164653.6/29

0.000+/-0.000 χ^2/NDF : 2225827.8/59

0.000+/-0.000 χ^2/NDF : 1026071.5/29

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.210+/-0.000 χ^2/NDF : 50597661.2/12

Right Out: 144.490+/-0.000 χ^2/NDF : 4182548232.5/18

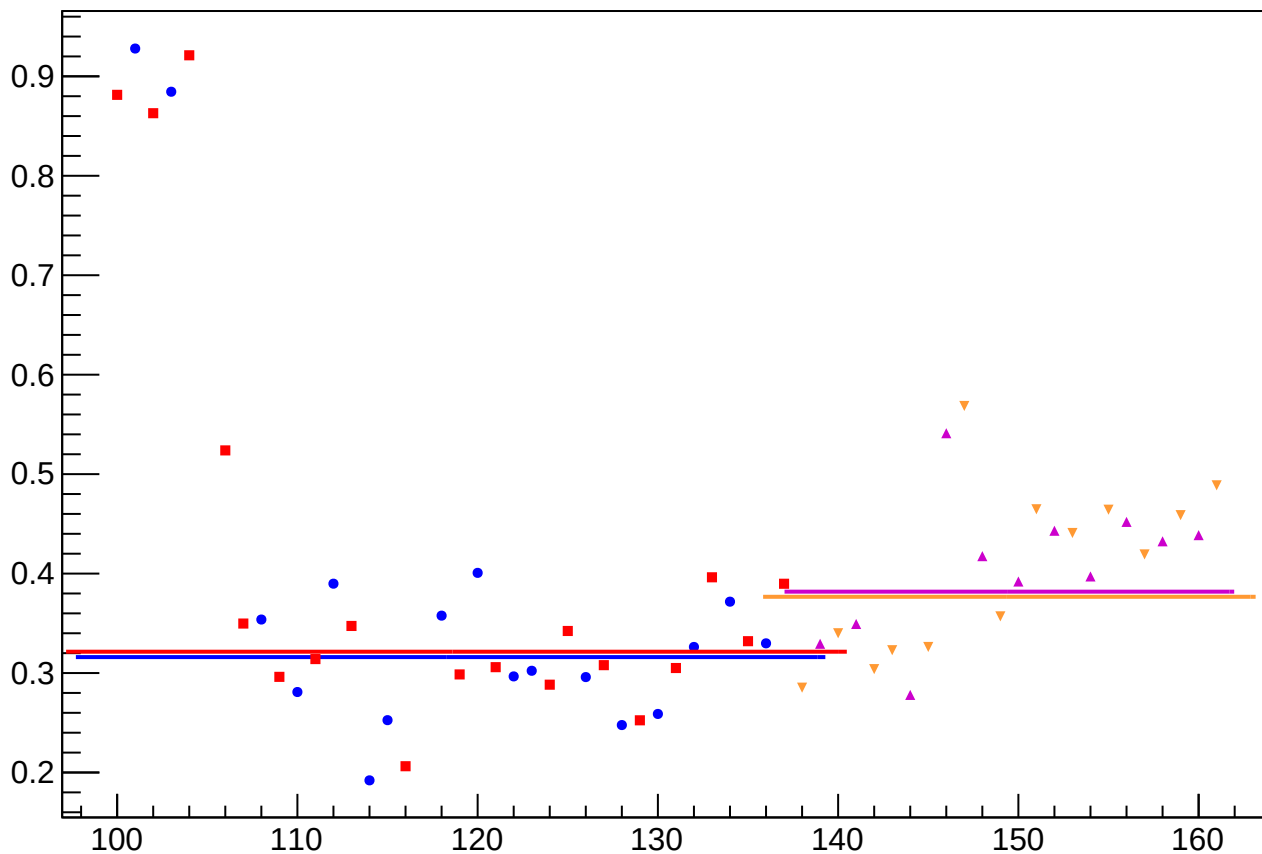
Left In: 147.761+/-0.000 χ^2/NDF : 321190365.7/10

146.130+/-0.000 χ^2/NDF : 4170706277.3/29

146.132+/-0.000 χ^2/NDF : 8979177397.9/29

146.134+/-0.000 χ^2/NDF : 4808470150.8/29

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 1265921.5/16

Left Out: 0.377 $\pm$ 0.000 χ^2 /NDF: 741559.1/12

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1219073.9/18

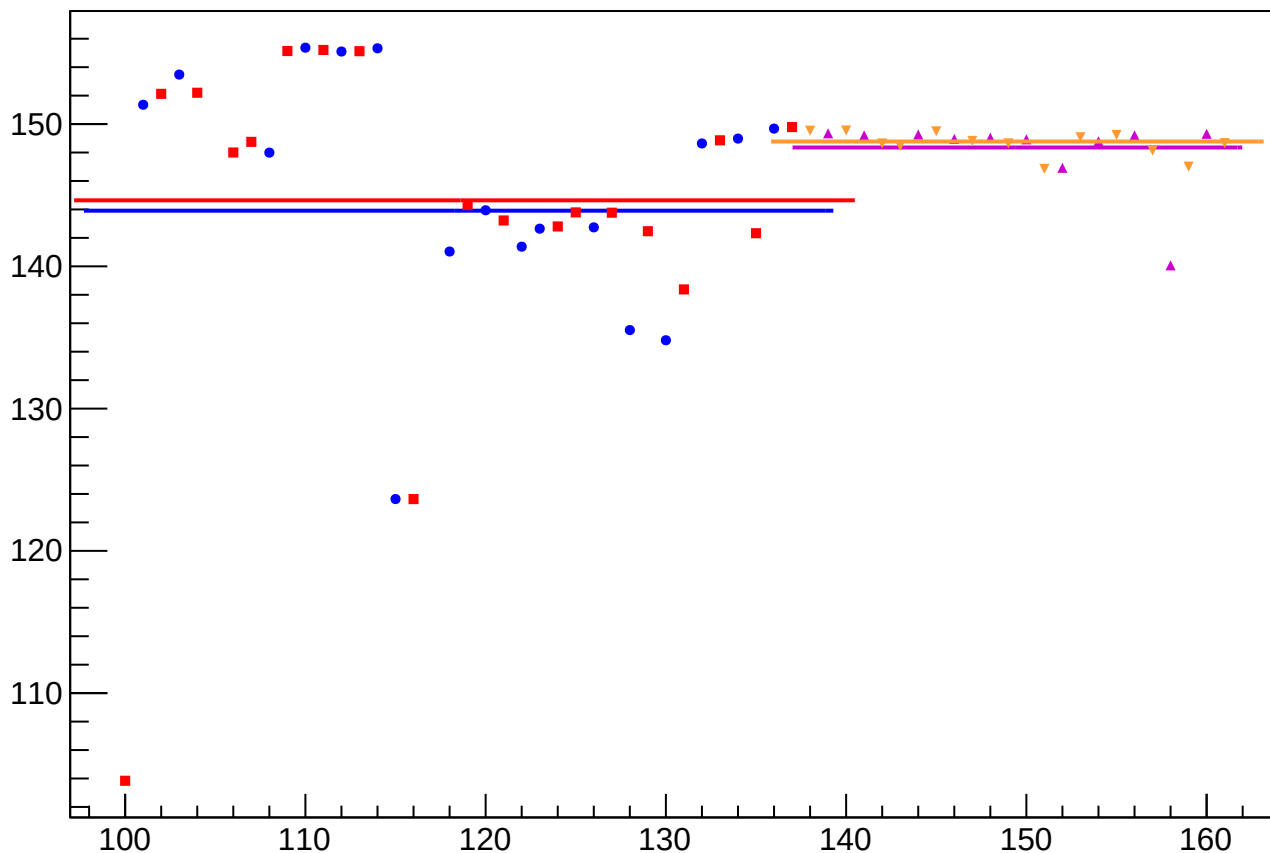
Left In: 0.382 $\pm$ 0.000 χ^2 /NDF: 545917.8/10

0.348 $\pm$ 0.000 χ^2 /NDF: 2225136.0/29

0.350 $\pm$ 0.000 χ^2 /NDF: 4199217.1/59

0.352 $\pm$ 0.000 χ^2 /NDF: 1972660.4/29

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2/NDF : 3587769790.2/16

Left Out: 148.774 $\pm$ 0.000 χ^2/NDF : 39703204.8/12

Right Out: 144.640 $\pm$ 0.000 χ^2/NDF : 4209610240.4/18

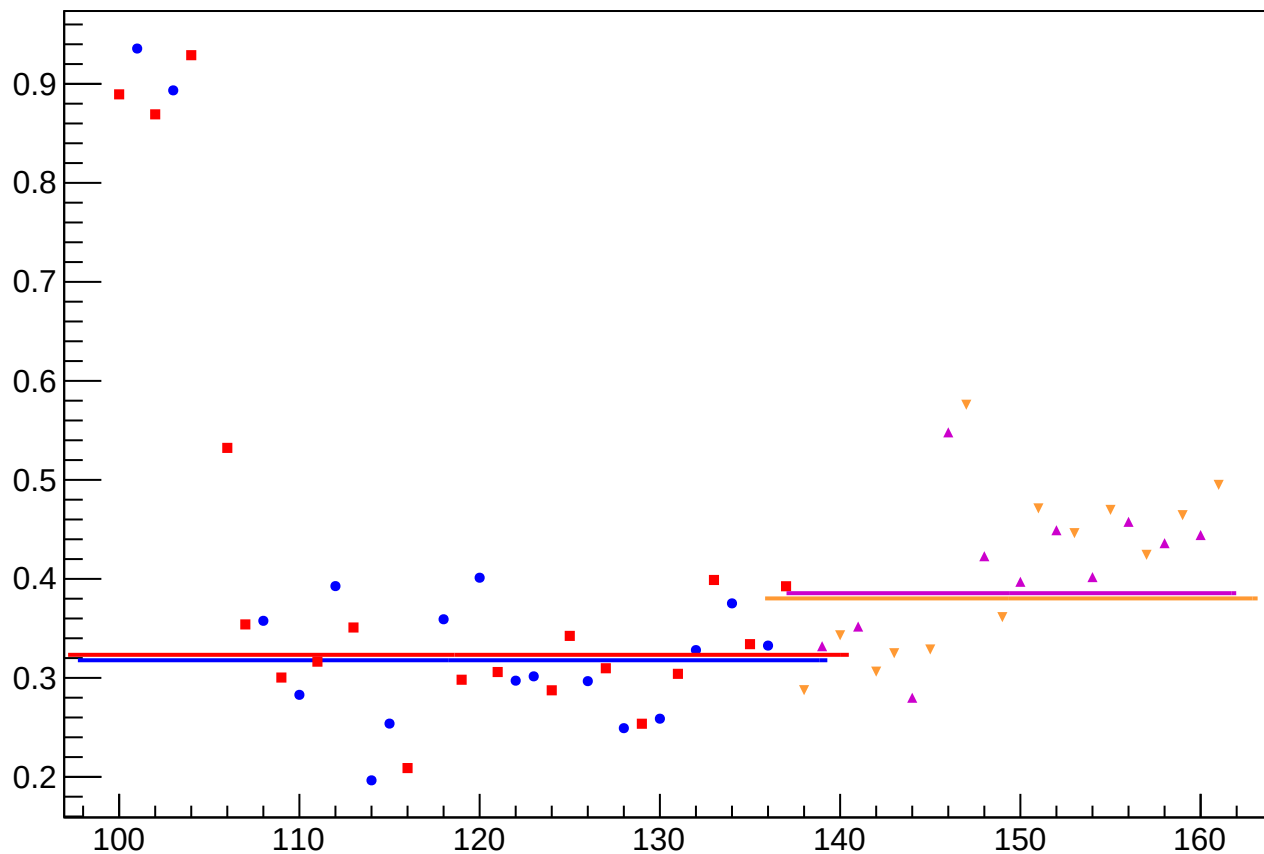
Left In: 148.354 $\pm$ 0.000 χ^2/NDF : 310307747.5/10

146.490 $\pm$ 0.000 χ^2/NDF : 4316528576.0/29

146.494 $\pm$ 0.000 χ^2/NDF : 9223039782.1/29

146.499 $\pm$ 0.000 χ^2/NDF : 4906506137.6/29

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.380 $\pm$ 0.000 χ^2 /NDF: 756563.9/12

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222241.9/18

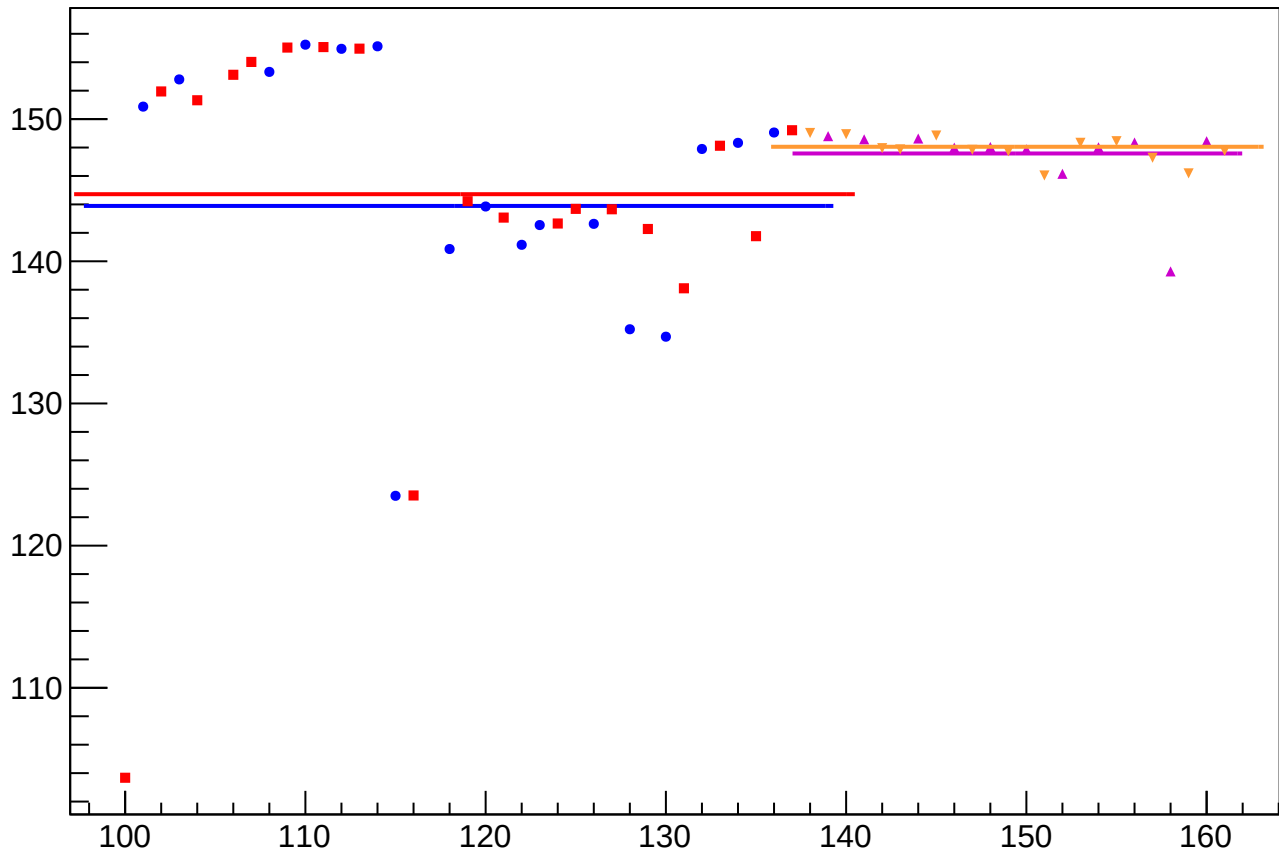
Left In: 0.386 $\pm$ 0.000 χ^2 /NDF: 558760.6/10

0.351 $\pm$ 0.000 χ^2 /NDF: 2252241.4/29

0.353 $\pm$ 0.000 χ^2 /NDF: 4251936.5/59

0.354 $\pm$ 0.000 χ^2 /NDF: 1998256.3/29

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.054+/-0.000 χ^2/NDF : 48936298.8/12

Right Out: 144.719+/-0.000 χ^2/NDF : 4473225884.5/18

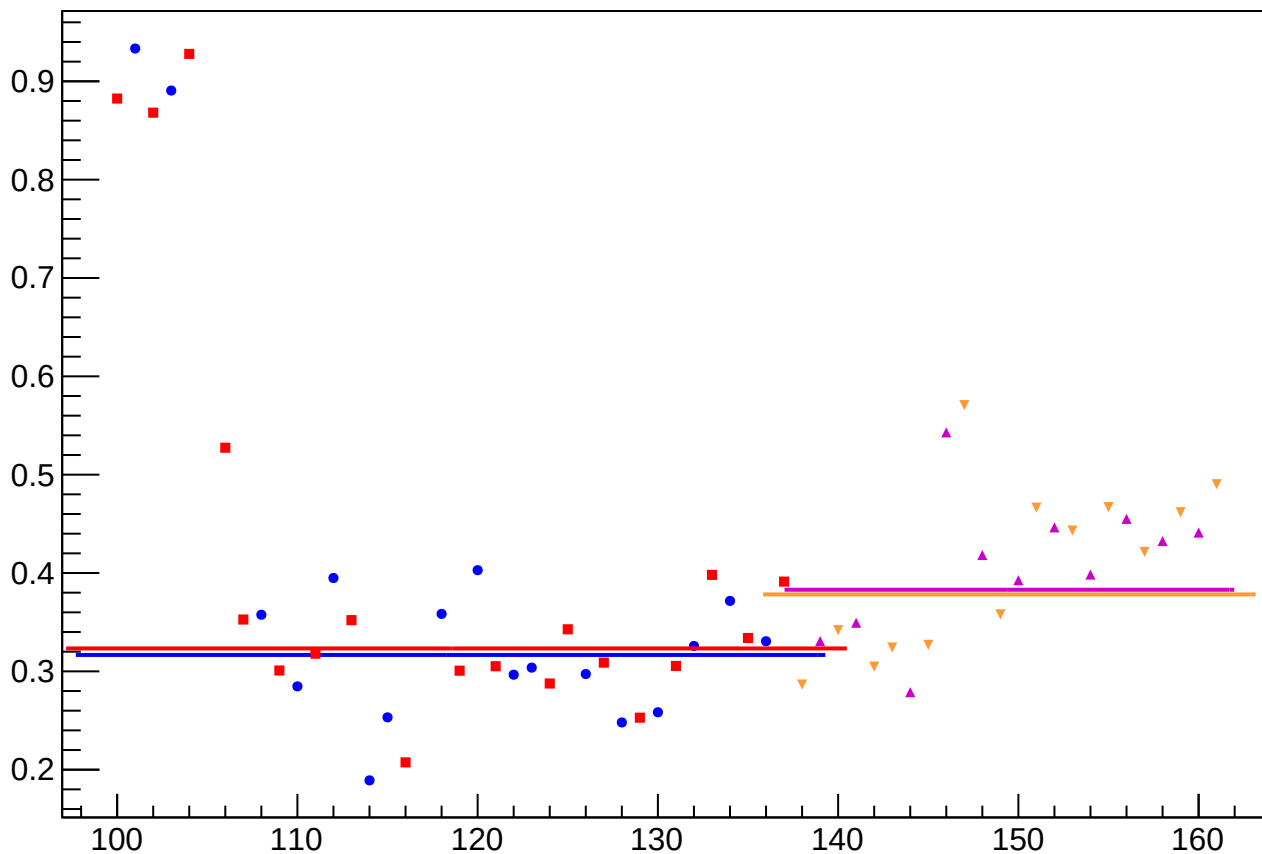
Left In: 147.582+/-0.000 χ^2/NDF : 319824266.1/10

146.105+/-0.000 χ^2/NDF : 4310316939.9/29

146.133+/-0.000 χ^2/NDF : 9335062869.6/29

146.162+/-0.000 χ^2/NDF : 5024562038.1/29

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.378 $\pm$ 0.000 χ^2 /NDF: 744105.7/12

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222784.7/18

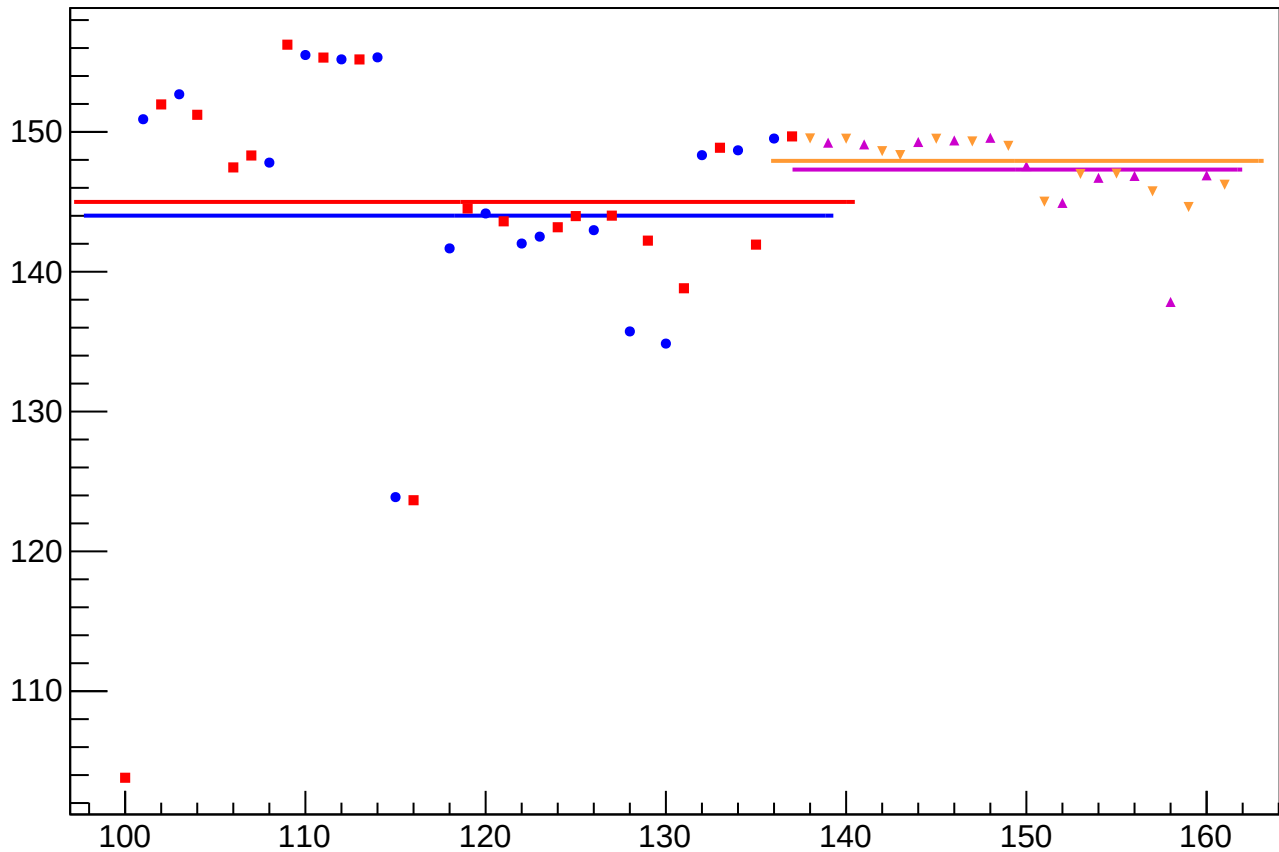
Left In: 0.383 $\pm$ 0.000 χ^2 /NDF: 549728.6/10

0.349 $\pm$ 0.000 χ^2 /NDF: 2247046.5/29

0.351 $\pm$ 0.000 χ^2 /NDF: 4222639.0/59

0.353 $\pm$ 0.000 χ^2 /NDF: 1973787.3/29

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 147.930 $\pm$ 0.000 χ^2 /NDF: 165541876.9/12

Right Out: 144.994 $\pm$ 0.000 χ^2 /NDF: 3852381452.1/18

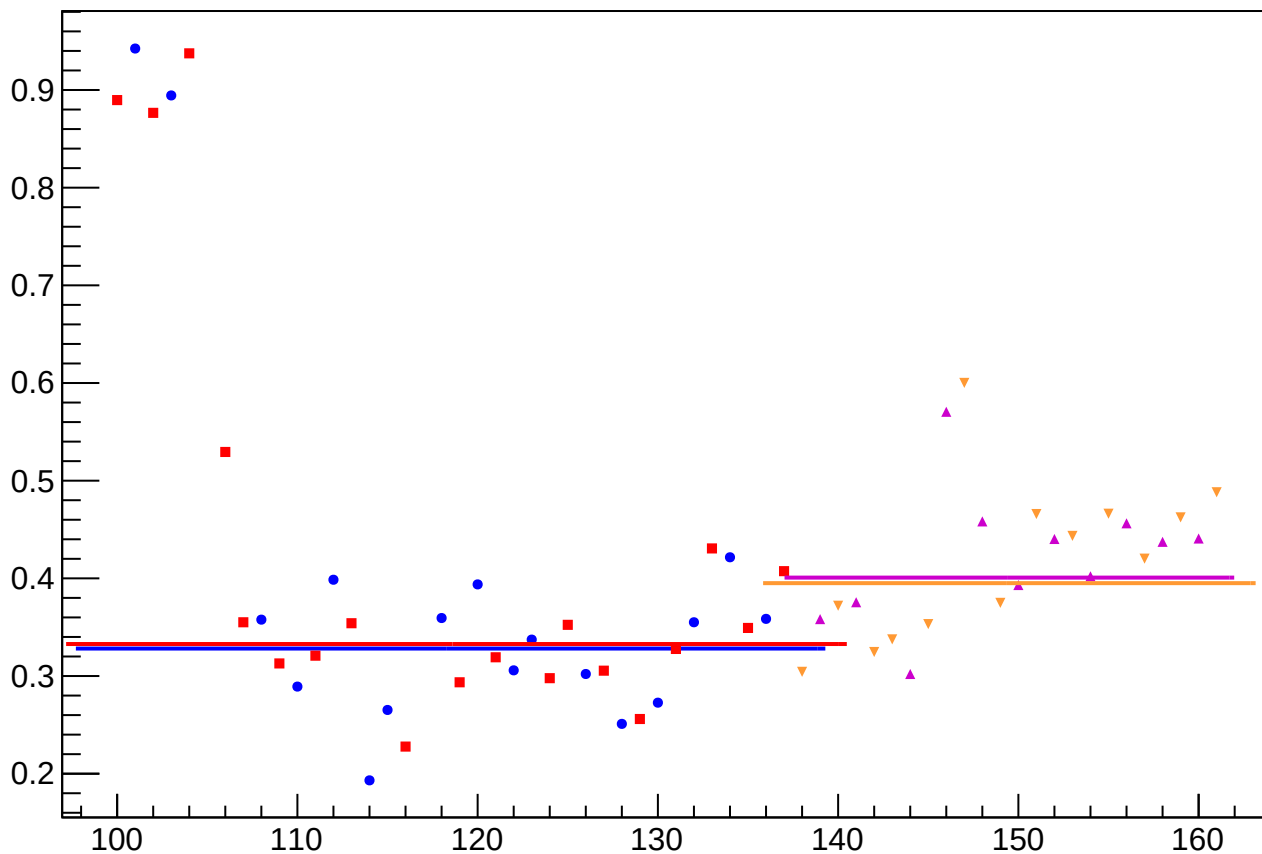
Left In: 147.306 $\pm$ 0.000 χ^2 /NDF: 480502867.1/10

146.086 $\pm$ 0.000 χ^2 /NDF: 3824261940.3/29

146.114 $\pm$ 0.000 χ^2 /NDF: 8297850480.6/29

146.144 $\pm$ 0.000 χ^2 /NDF: 4473410598.5/29

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.395 $\pm$ 0.000 χ^2 /NDF: 584825.2/12

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1185129.6/18

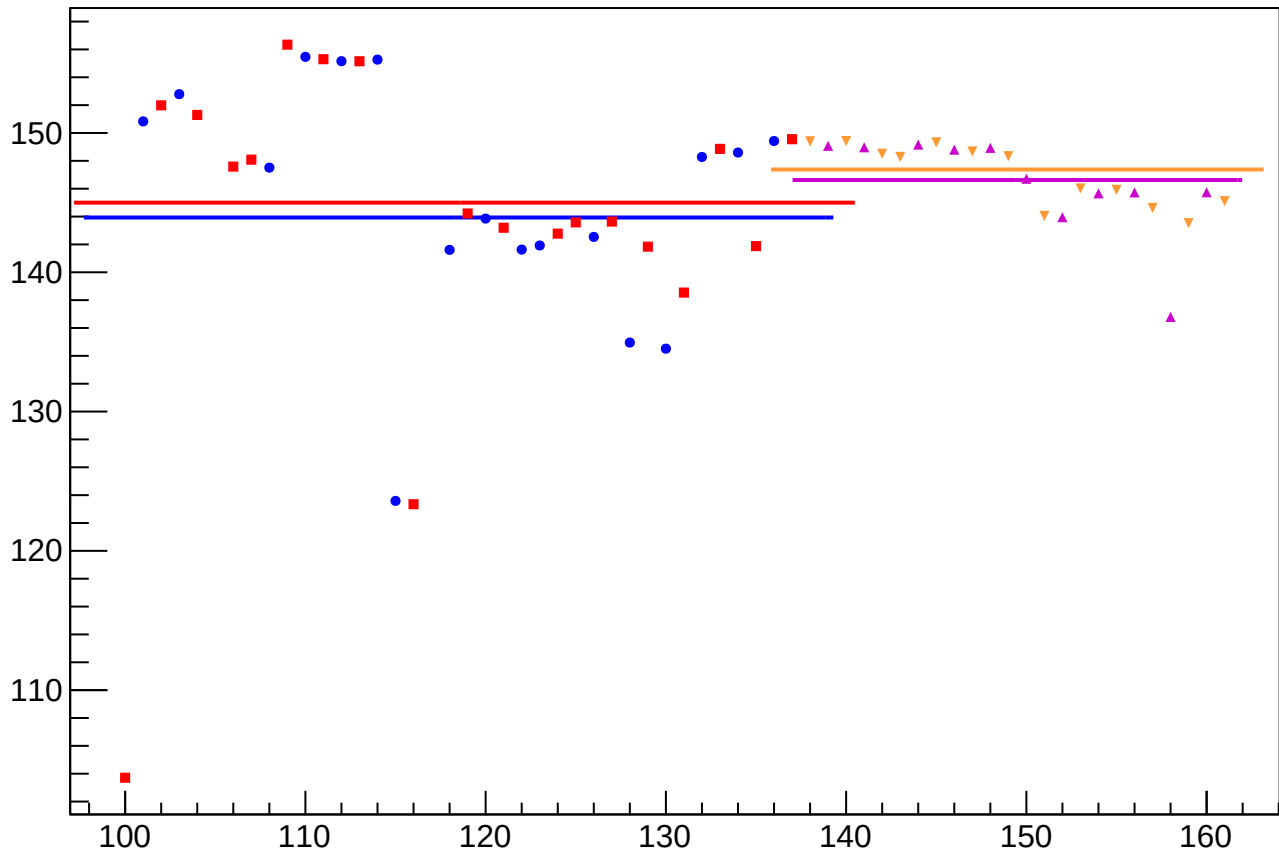
Left In: 0.401 $\pm$ 0.000 χ^2 /NDF: 424205.6/10

0.364 $\pm$ 0.000 χ^2 /NDF: 2094359.9/29

0.365 $\pm$ 0.000 χ^2 /NDF: 3947587.9/59

0.367 $\pm$ 0.000 χ^2 /NDF: 1852259.2/29

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 147.379 $\pm$ 0.000 χ^2 /NDF: 248841150.0/12

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3932958476.0/18

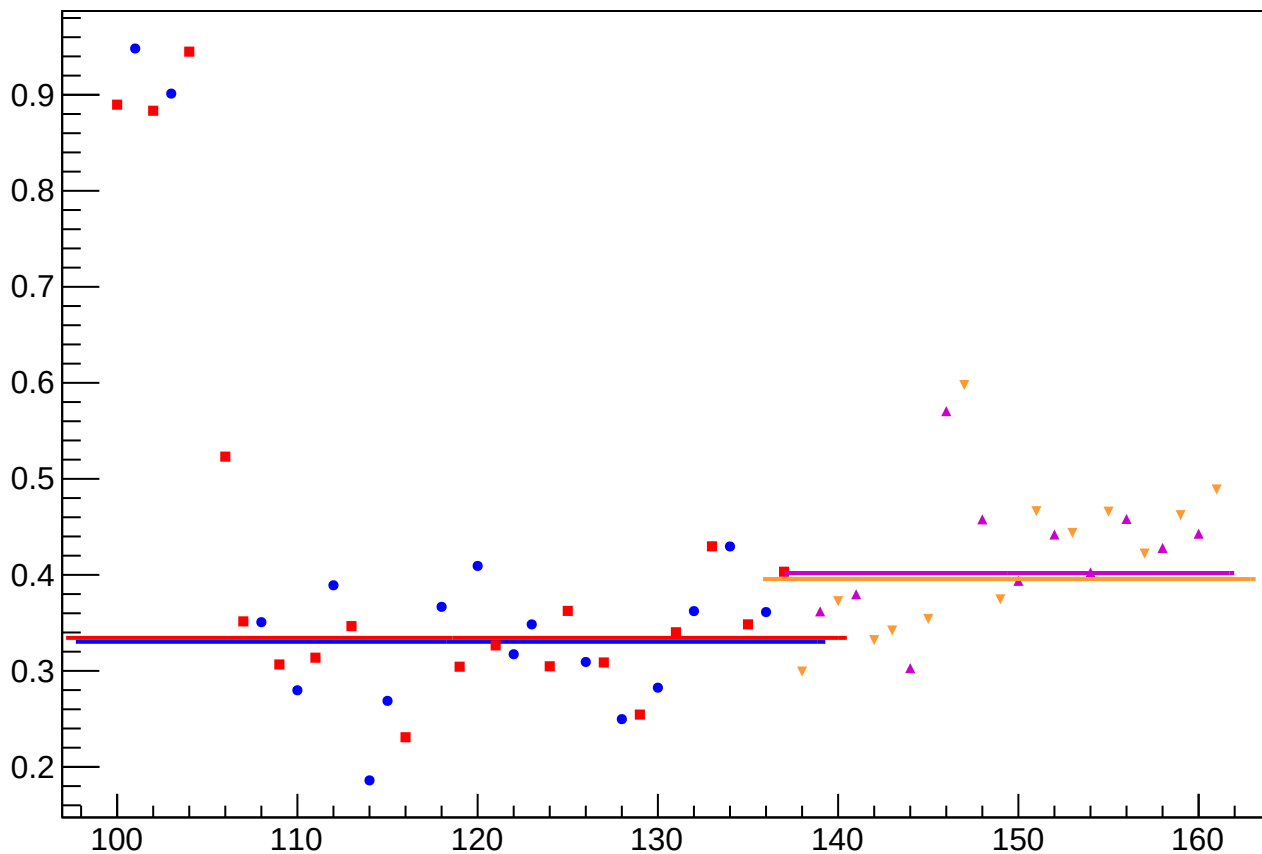
Left In: 146.627 $\pm$ 0.000 χ^2 /NDF: 584562483.9/10

145.768 $\pm$ 0.000 χ^2 /NDF: 3951051528.4/29

145.788 $\pm$ 0.000 χ^2 /NDF: 8537712456.5/29

145.810 $\pm$ 0.000 χ^2 /NDF: 4586568037.5/29

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.396 $\pm$ 0.000 χ^2/NDF : 584735.1/12

Right Out: 0.334 $\pm$ 0.000 χ^2/NDF : 1174012.0/18

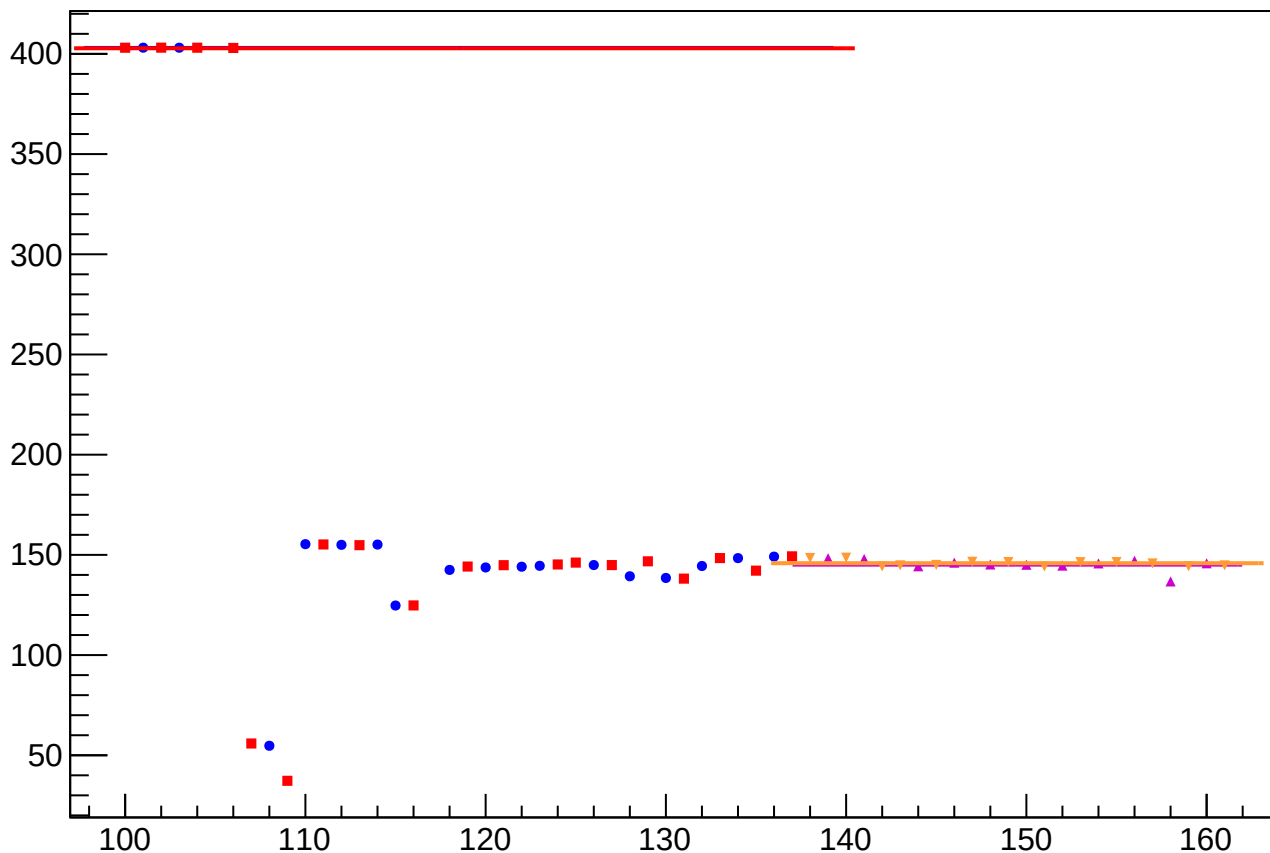
Left In: 0.402 $\pm$ 0.000 χ^2/NDF : 411314.0/10

0.365 $\pm$ 0.000 χ^2/NDF : 2097911.1/29

0.367 $\pm$ 0.000 χ^2/NDF : 3921625.1/59

0.368 $\pm$ 0.000 χ^2/NDF : 1822785.1/29

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958 +/- 0.000 χ^2 /NDF: 1094364588383.4/16

Left Out: 145.847 +/- 0.000 χ^2 /NDF: 38276033.2/12

Right Out: 402.799 +/- 0.000 χ^2 /NDF: 3102036567767.5/18

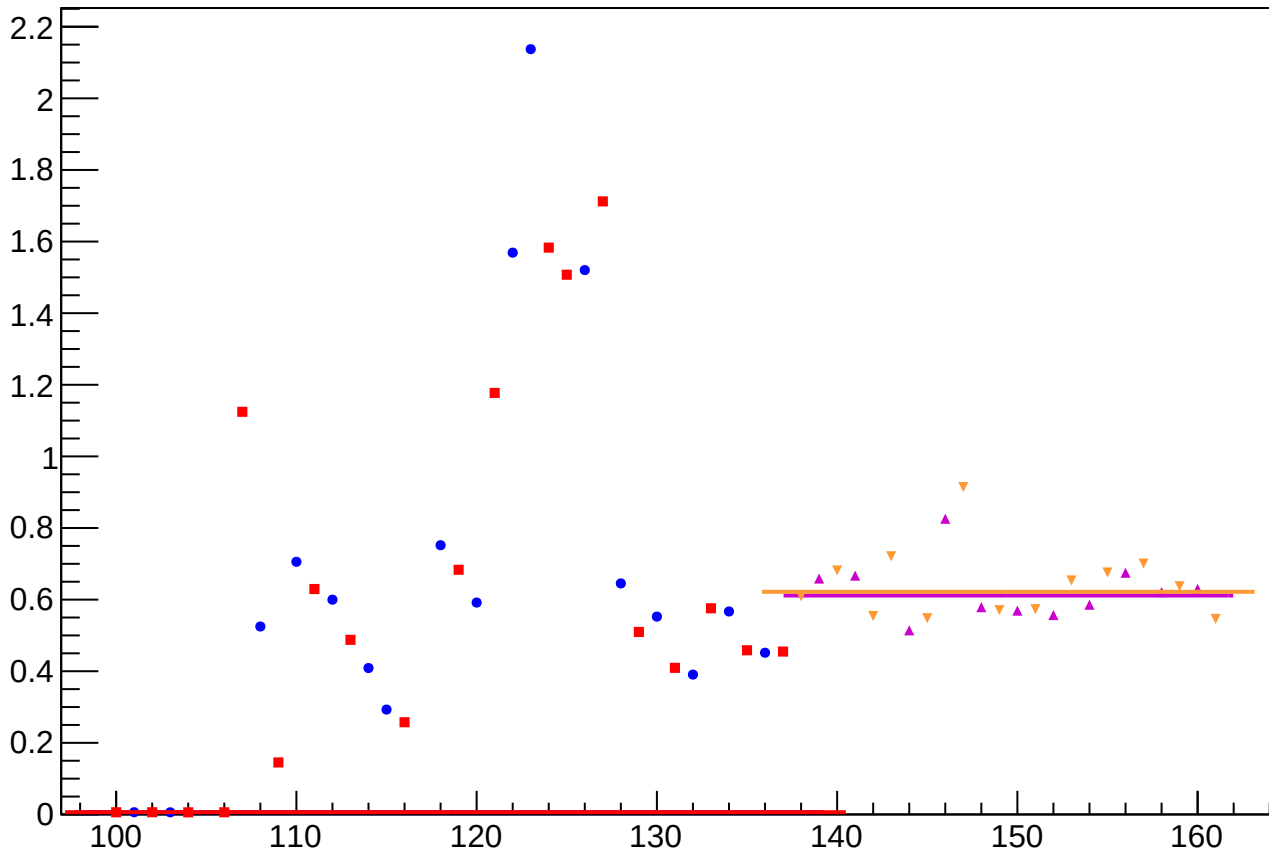
Left In: 145.131 +/- 0.000 χ^2 /NDF: 126448317.1/10

402.819 +/- 0.000 χ^2 /NDF: 2201465512014.4/29

402.748 +/- 0.000 χ^2 /NDF: 634351632102

402.684 +/- 0.000 χ^2 /NDF: 4141749237547.6/29

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.622+/-0.000 χ^2/NDF : 215252.9/12

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

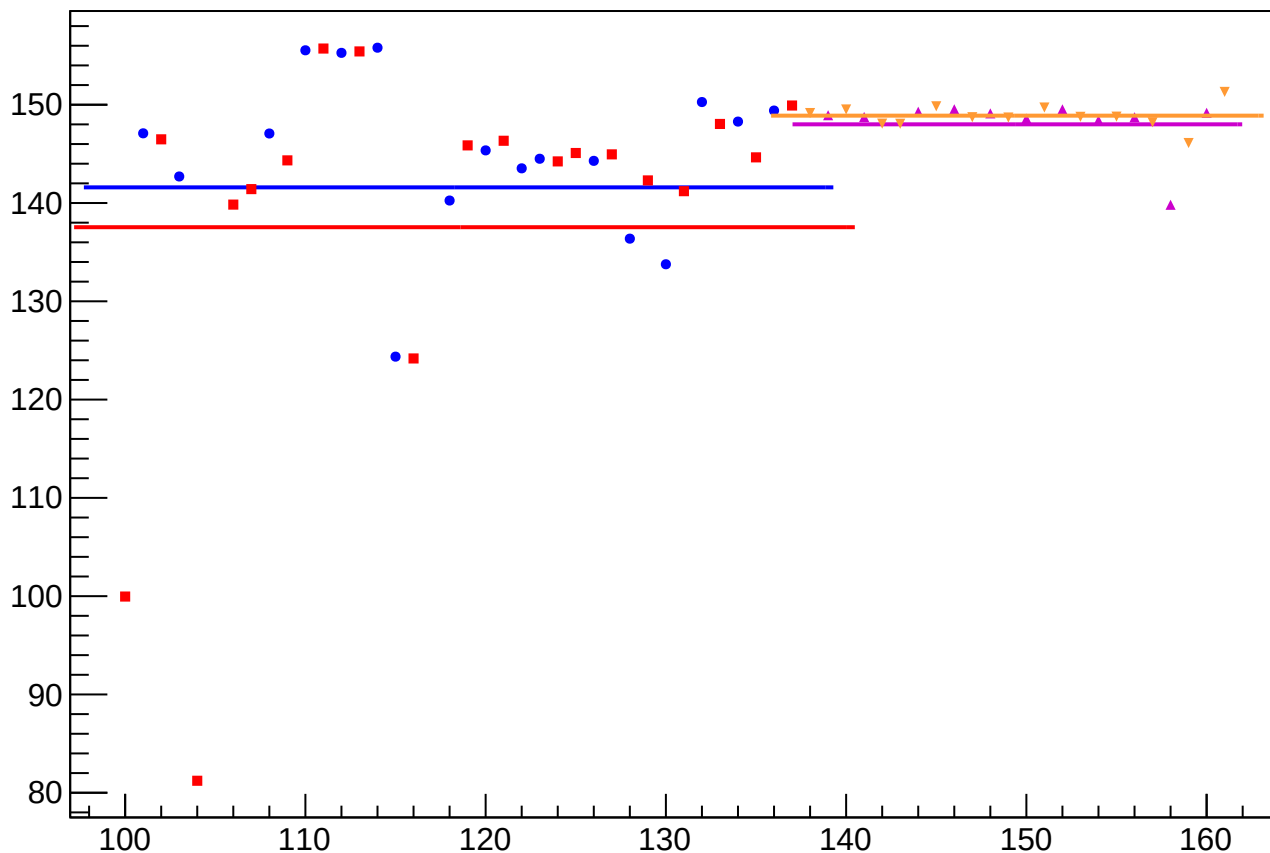
Left In: 0.611+/-0.000 χ^2/NDF : 154292.2/10

0.007+/-0.000 χ^2/NDF : 21983064.4/29

0.007+/-0.000 χ^2/NDF : 42799594.1/59

0.007+/-0.000 χ^2/NDF : 20816355.7/29

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 148.889 $\pm$ 0.000 χ^2 /NDF: 46854531.3/12

Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18

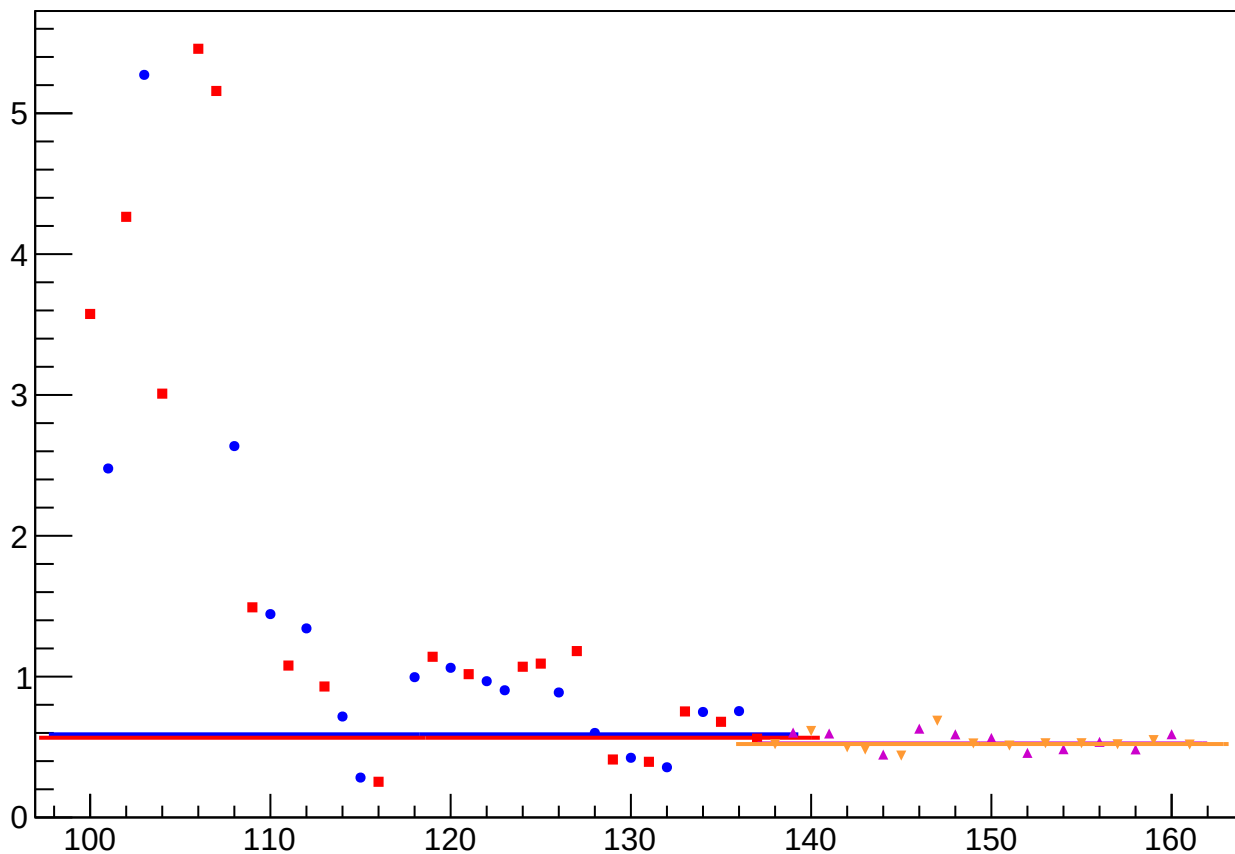
Left In: 148.006 $\pm$ 0.000 χ^2 /NDF: 237184222.3/10

147.098 $\pm$ 0.000 χ^2 /NDF: 1432379730.0/29

146.143 $\pm$ 0.000 χ^2 /NDF: 3906682798.6/29

145.127 $\pm$ 0.000 χ^2 /NDF: 2396932999.3/29

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.521+/-0.000 χ^2/NDF : 168226.5/12

Right Out: 0.566+/-0.000 χ^2/NDF : 4683596.4/18

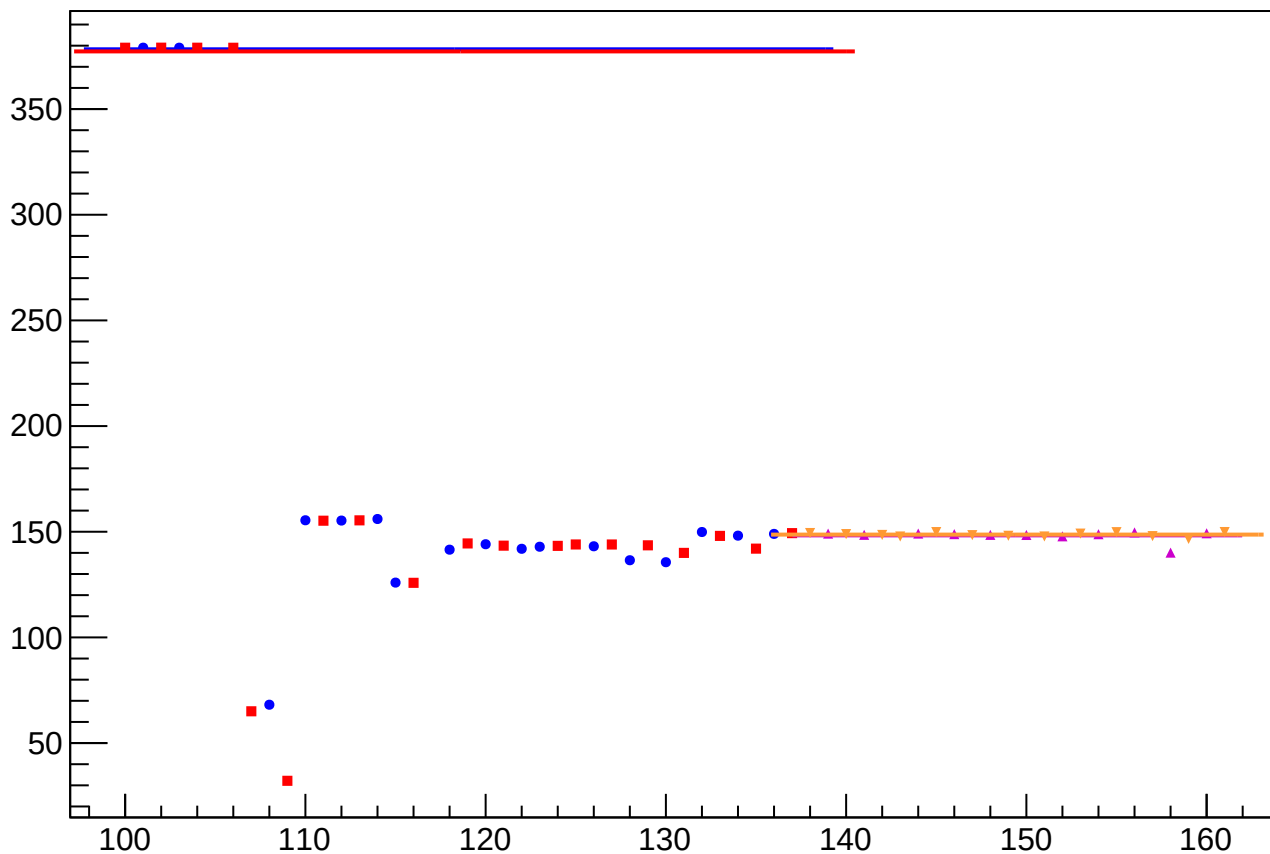
Left In: 0.526+/-0.000 χ^2/NDF : 218579.0/10

0.538+/-0.000 χ^2/NDF : 3732678.7/29

0.537+/-0.000 χ^2/NDF : 8660126.6/59

0.537+/-0.000 χ^2/NDF : 4927362.2/29

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.648+/-0.000 χ^2/NDF : 43902277.9/12

Right Out: 377.287+/-0.000 χ^2/NDF : 8286303106836.4/18

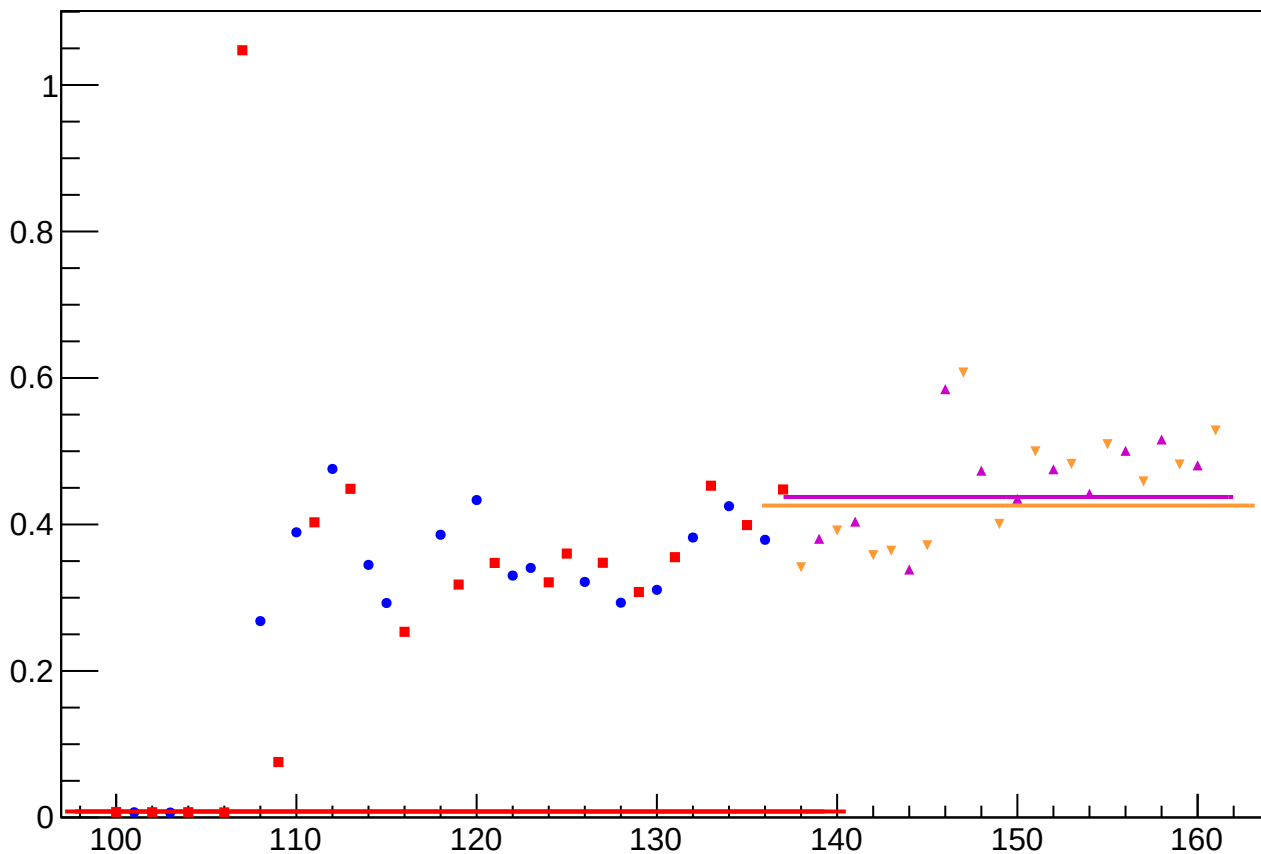
Left In: 148.284+/-0.000 χ^2/NDF : 210366754.7/10

377.417+/-0.000 χ^2/NDF : 5155154548642.5/29

376.993+/-0.000 χ^2/NDF : 157634280318

376.621+/-0.000 χ^2/NDF : 10603758471722.9/2

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.426 $\pm$ 0.000 χ^2/NDF : 518027.2/12

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9522827.2/18

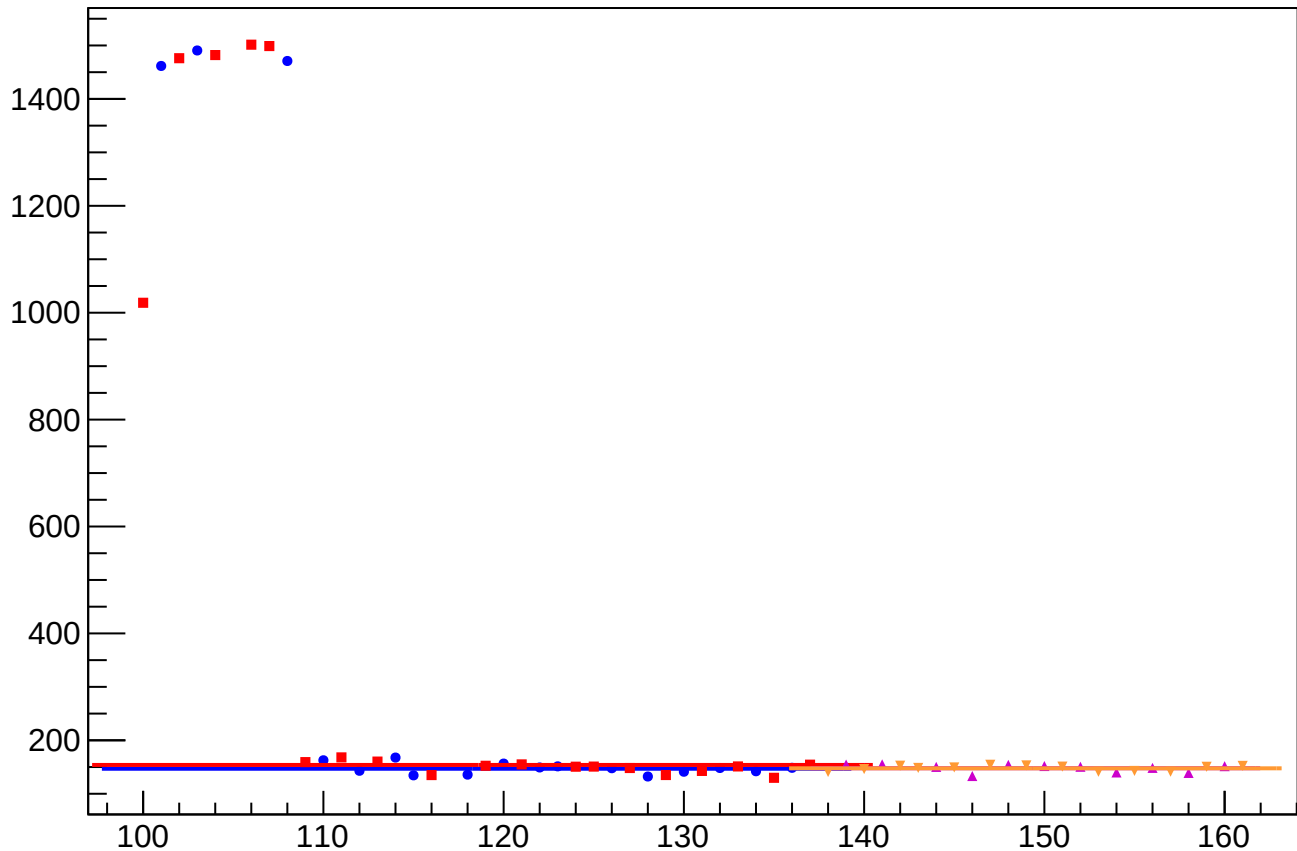
Left In: 0.438 $\pm$ 0.000 χ^2/NDF : 378239.5/10

0.010 $\pm$ 0.000 χ^2/NDF : 27837952.9/29

0.010 $\pm$ 0.000 χ^2/NDF : 54033735.9/59

0.009 $\pm$ 0.000 χ^2/NDF : 26194504.4/29

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 147.604+/-0.000 χ^2/NDF : 230051788.9/12

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

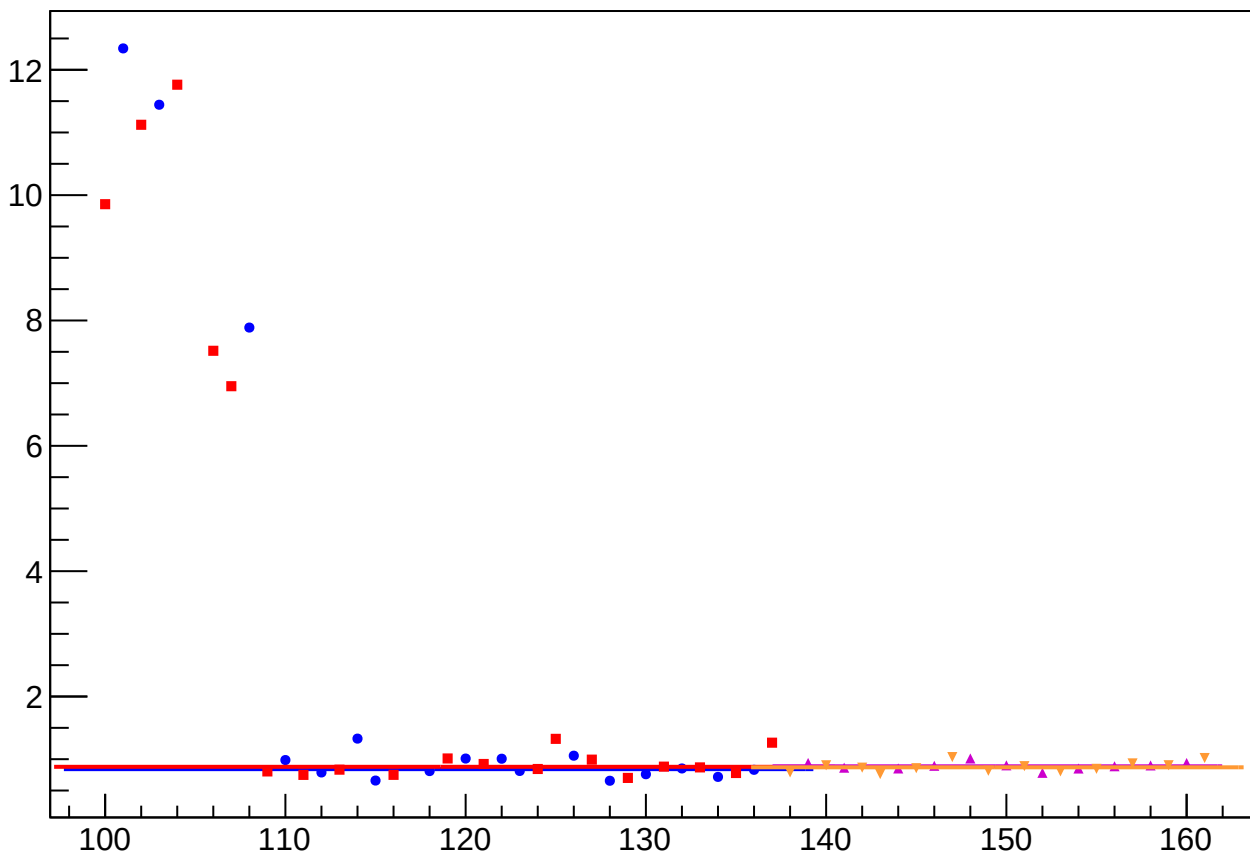
Left In: 147.771+/-0.000 χ^2/NDF : 442412928.7/10

147.332+/-0.000 χ^2/NDF : 24592970345.3/29

148.632+/-0.000 χ^2/NDF : 58952520474.7

150.017+/-0.000 χ^2/NDF : 34305899807.8/29

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.870 ± 0.000 χ^2/NDF : 117099.6/12

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

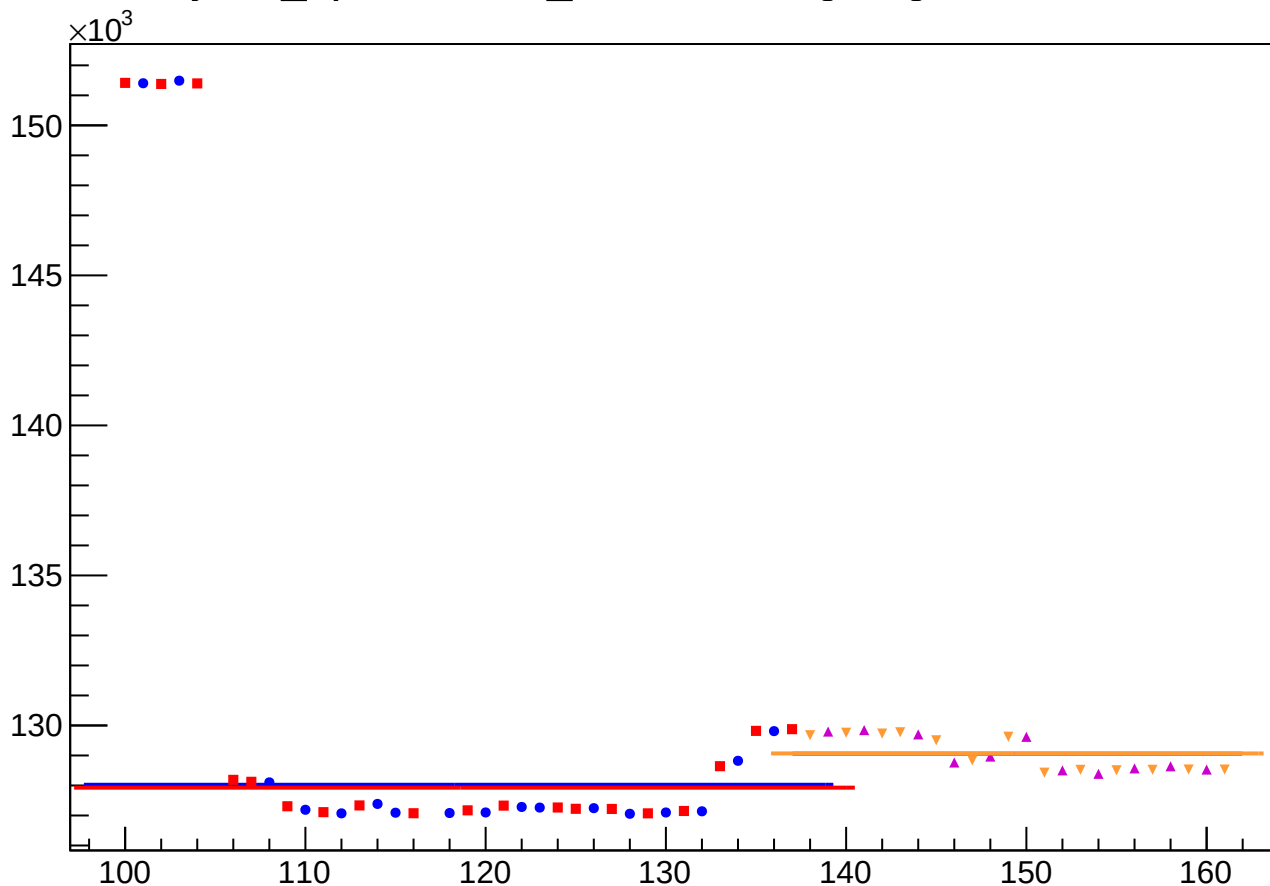
Left In: 0.887 ± 0.000 χ^2/NDF : 59270.2/10

0.860 ± 0.000 χ^2/NDF : 2785431.5/29

0.872 ± 0.000 χ^2/NDF : 5667860.1/59

0.884 ± 0.000 χ^2/NDF : 2874358.0/29

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129067.515 $\pm$ 0.056 χ^2 /NDF: 103157137.7/12

Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18

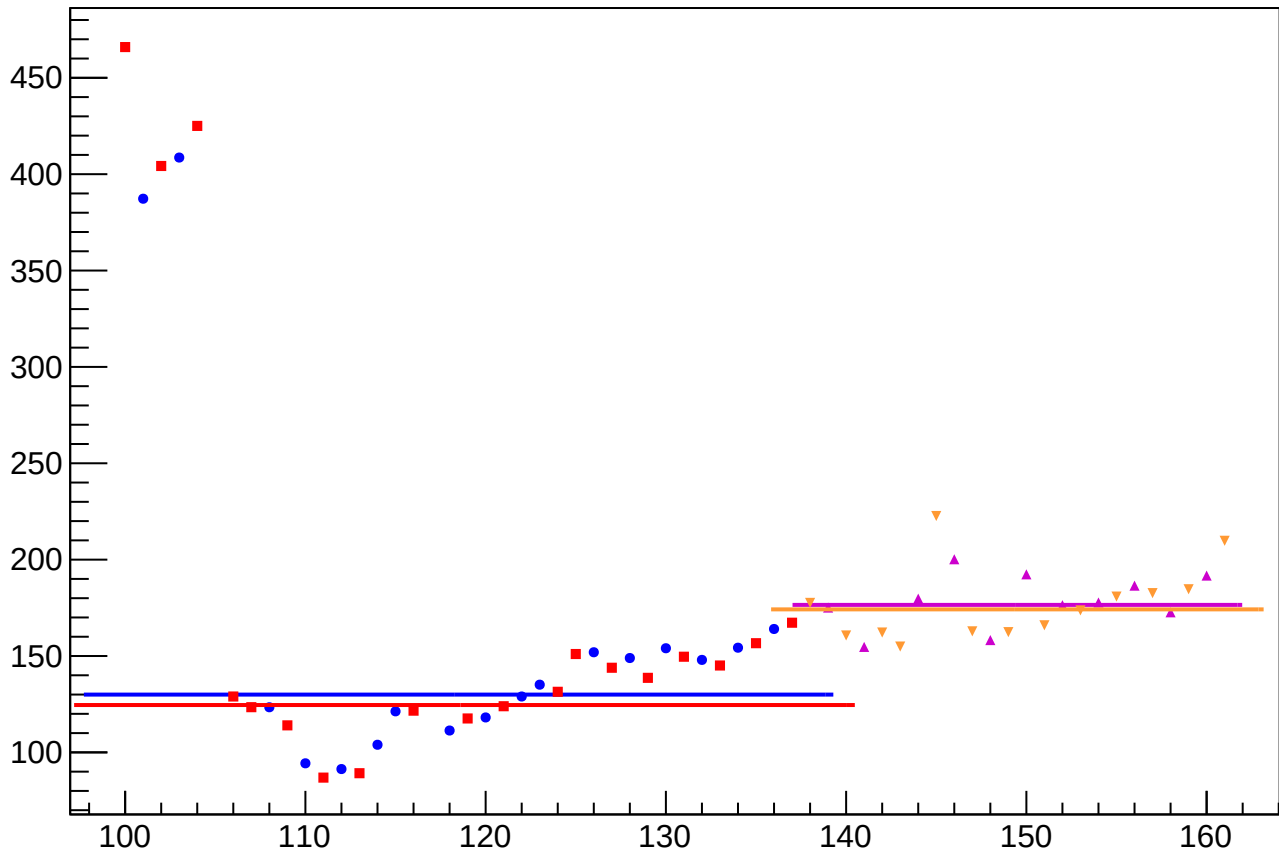
Left In: 129059.813 $\pm$ 0.059 χ^2 /NDF: 90617499.9/10

128528.234 $\pm$ 0.039 χ^2 /NDF: 4596843193.1/29

128463.176 $\pm$ 0.027 χ^2 /NDF: 867105897

128400.630 $\pm$ 0.038 χ^2 /NDF: 4068812701.3/29

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 +/- 0.039 χ^2/NDF : 1485519.5/16

Left Out: 174.196 +/- 0.040 χ^2/NDF : 185152.1/12

Right Out: 124.566 +/- 0.036 χ^2/NDF : 1531273.9/18

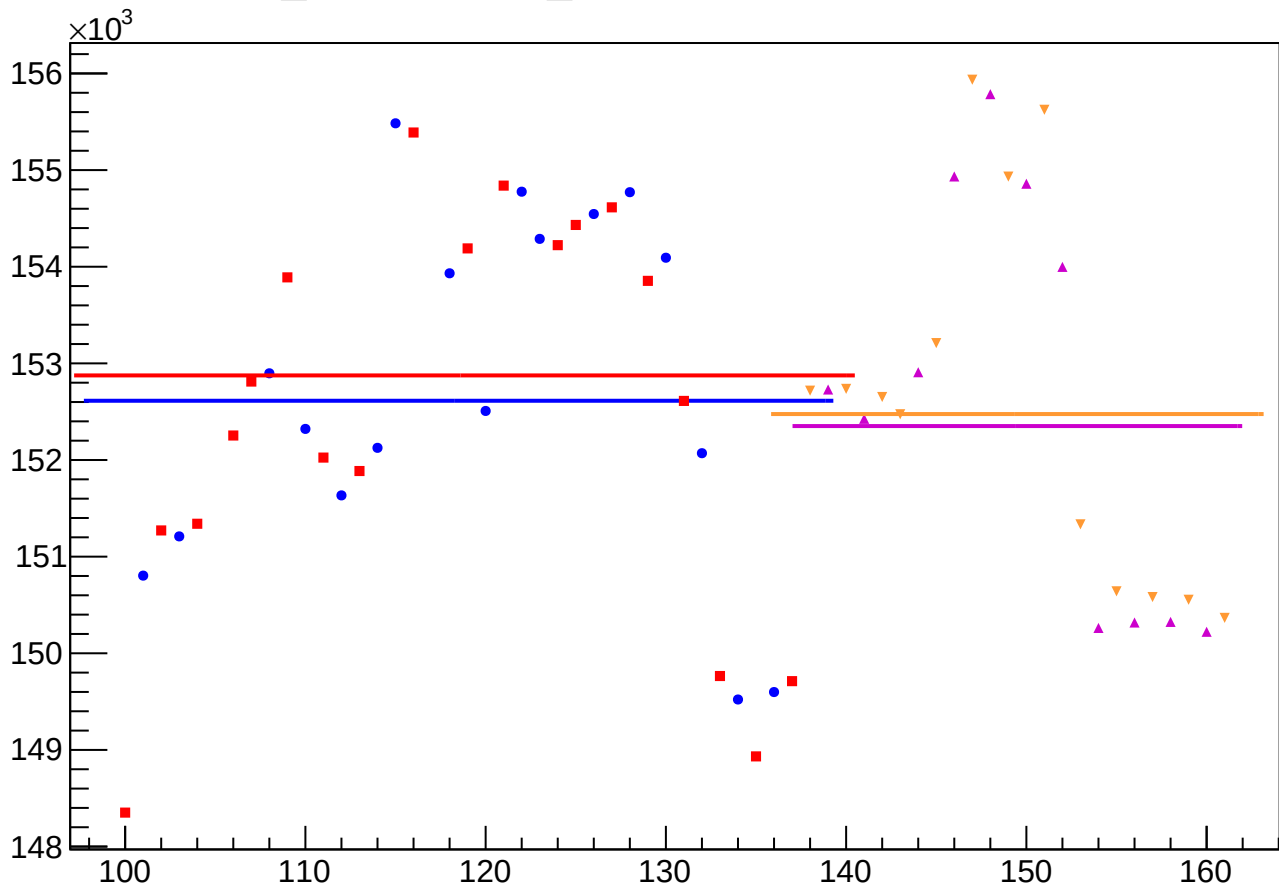
Left In: 176.525 +/- 0.042 χ^2/NDF : 104072.1/10

151.355 +/- 0.028 χ^2/NDF : 2306188.9/29

148.767 +/- 0.019 χ^2/NDF : 4847804.5/59

146.278 +/- 0.027 χ^2/NDF : 2524503.5/29

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 152475.537 $\pm$ 0.063 χ^2 /NDF: 779150577.3/12

Right Out: 152875.313 $\pm$ 0.066 χ^2 /NDF: 716358700.9/18

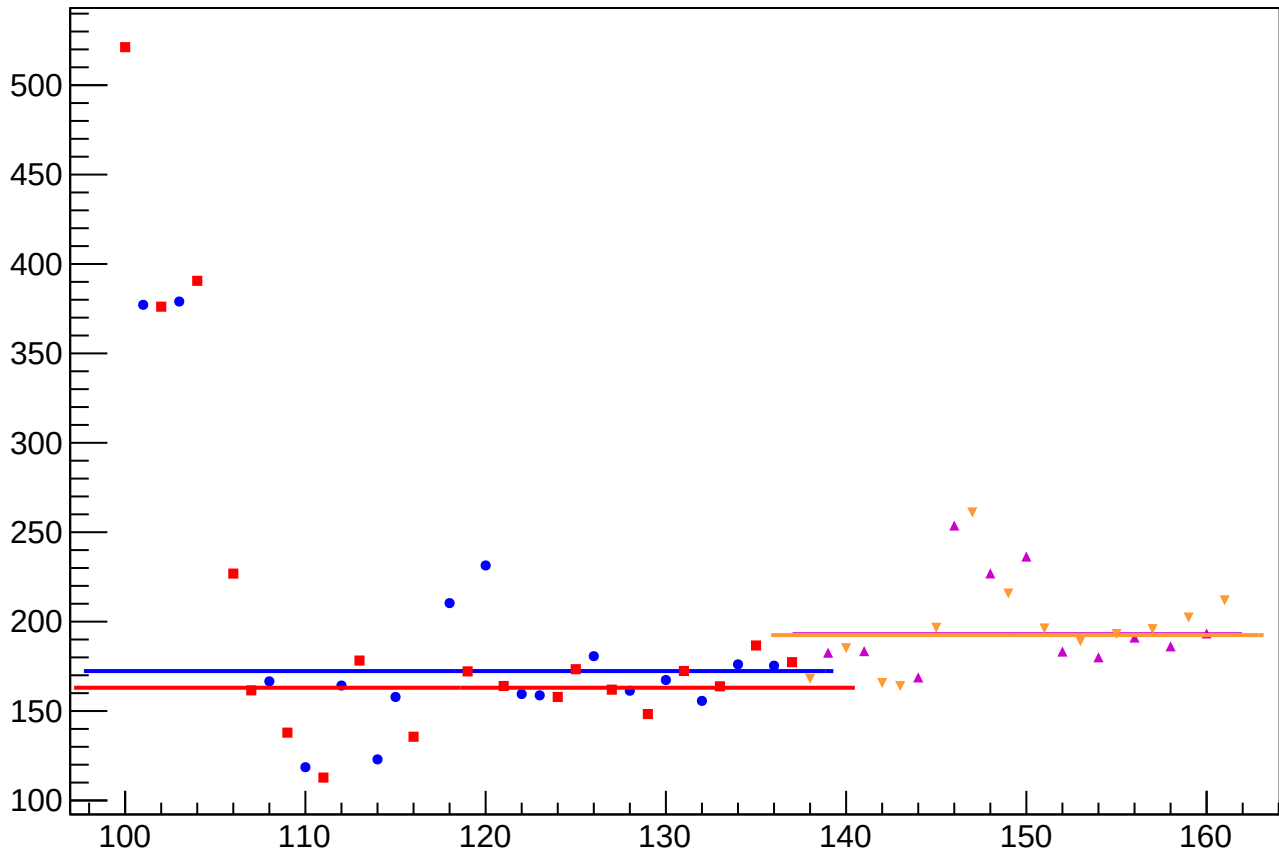
Left In: 152351.249 $\pm$ 0.065 χ^2 /NDF: 824201684.1/10

152534.515 $\pm$ 0.047 χ^2 /NDF: 1404577587.3/29

152572.976 $\pm$ 0.033 χ^2 /NDF: 297814728

152610.173 $\pm$ 0.047 χ^2 /NDF: 1572269824.5/29

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351 +/- 0.051 χ^2/NDF : 921911.1/16

Left Out: 192.481 +/- 0.044 χ^2/NDF : 238607.0/12

Right Out: 163.029 +/- 0.047 χ^2/NDF : 1032736.0/18

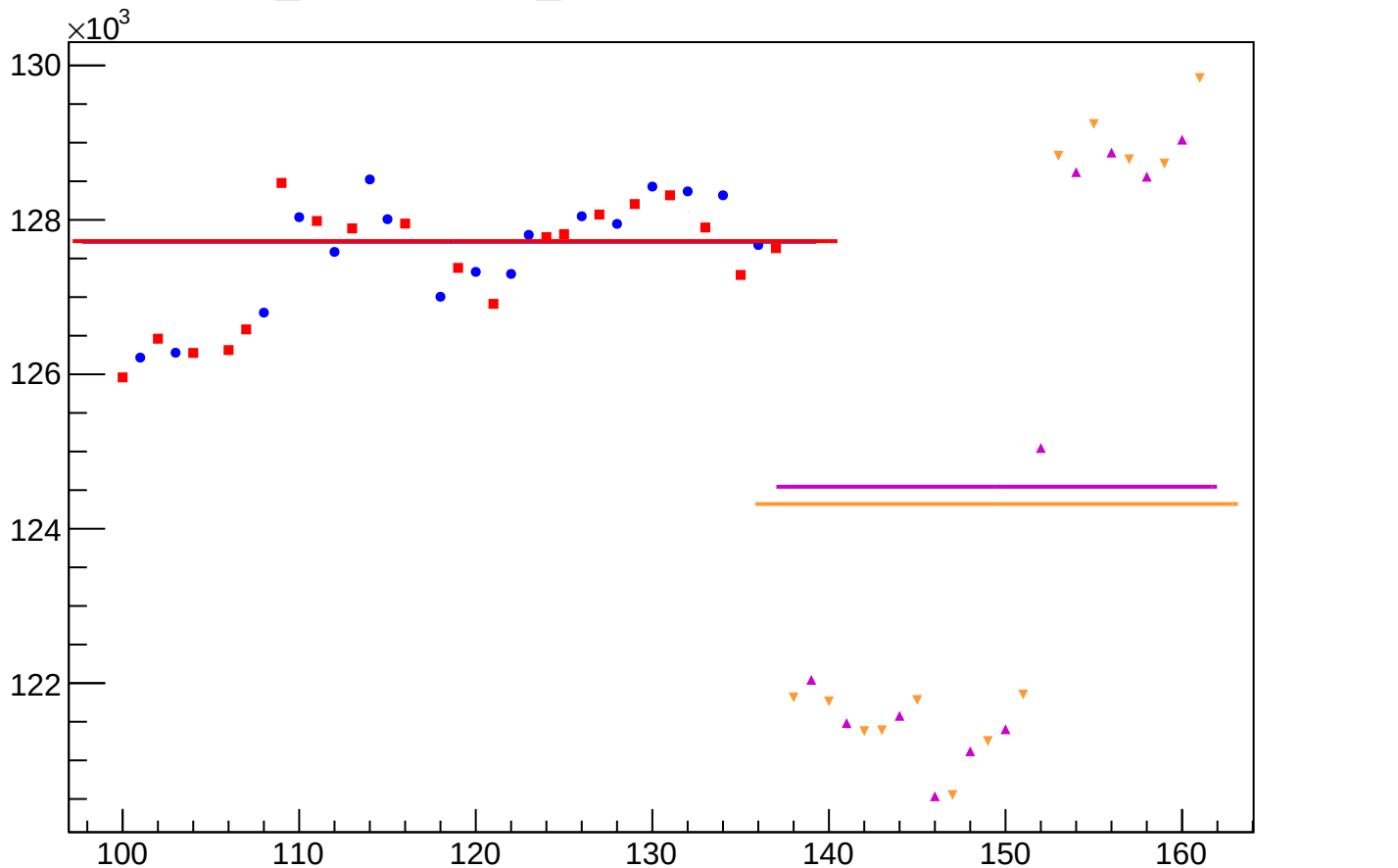
Left In: 192.960 +/- 0.046 χ^2/NDF : 242095.4/10

183.852 +/- 0.033 χ^2/NDF : 1249177.7/29

180.965 +/- 0.023 χ^2/NDF : 2745516.9/59

178.172 +/- 0.033 χ^2/NDF : 1481687.5/29

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 124320.296 $\pm$ 0.055 χ^2 /NDF: 4410888771.8/12

Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18

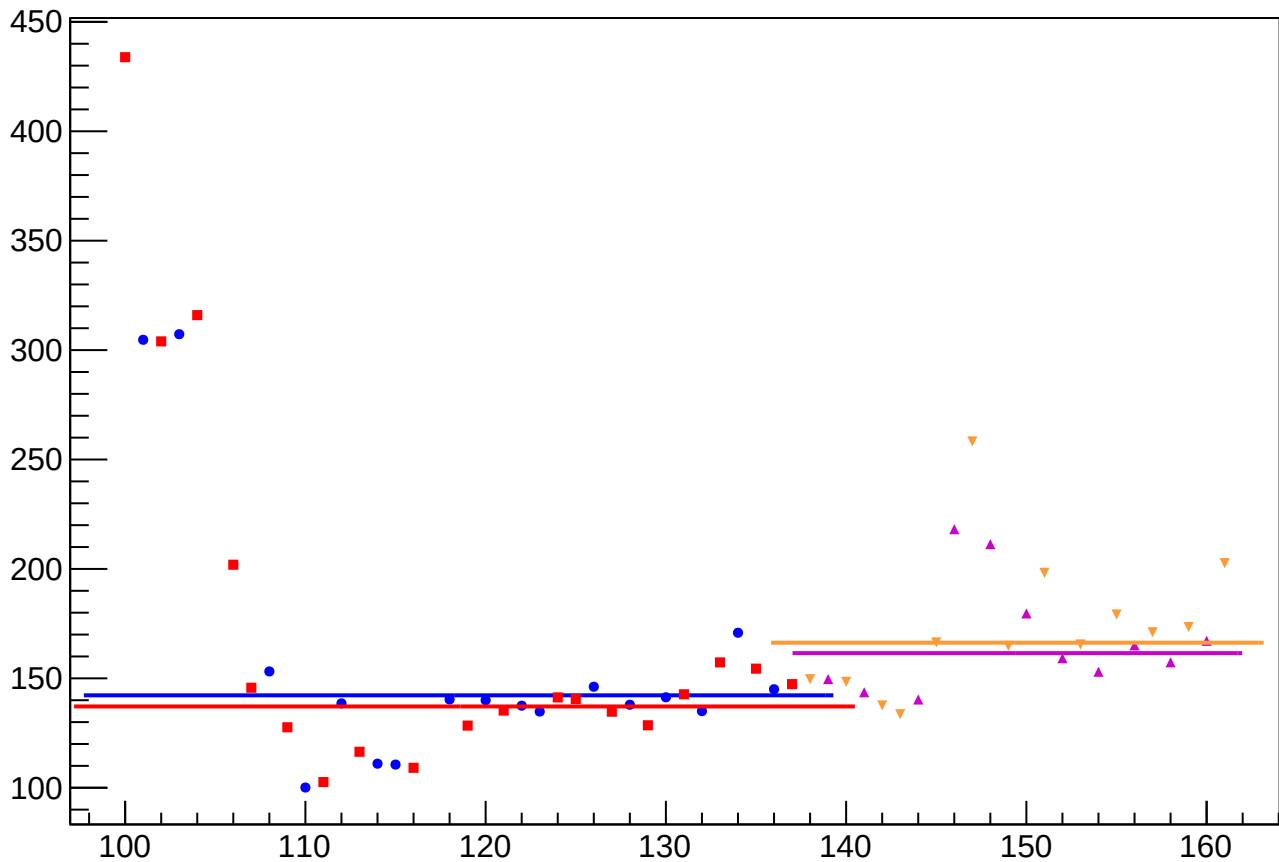
Left In: 124543.835 $\pm$ 0.055 χ^2 /NDF: 3873519852.4/10

125912.540 $\pm$ 0.040 χ^2 /NDF: 6311681724.0/29

126035.319 $\pm$ 0.028 χ^2 /NDF: 119996163

126151.172 $\pm$ 0.039 χ^2 /NDF: 5669530889.5/29

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 +/- 0.041 χ^2/NDF : 836415.1/16

Left Out: 166.290 +/- 0.039 χ^2/NDF : 449875.2/12

Right Out: 137.151 +/- 0.039 χ^2/NDF : 957730.8/18

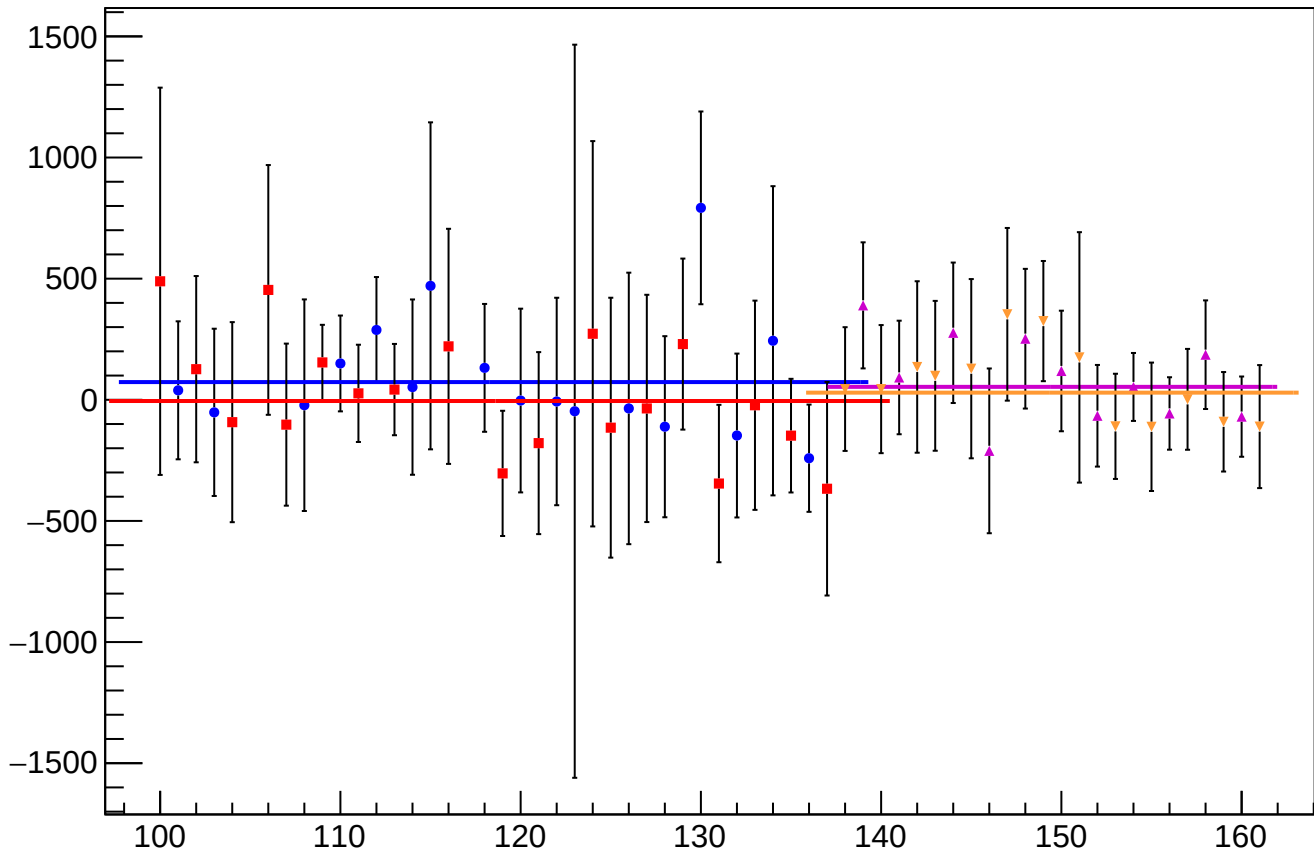
Left In: 161.529 +/- 0.039 χ^2/NDF : 289608.8/10

155.019 +/- 0.028 χ^2/NDF : 1467230.5/29

152.030 +/- 0.020 χ^2/NDF : 2934162.1/59

149.210 +/- 0.027 χ^2/NDF : 1445115.9/29

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 29.504+/-74.326 χ^2/NDF : 3.9/12

Right Out: -5.021+/-70.098 χ^2/NDF : 7.1/18

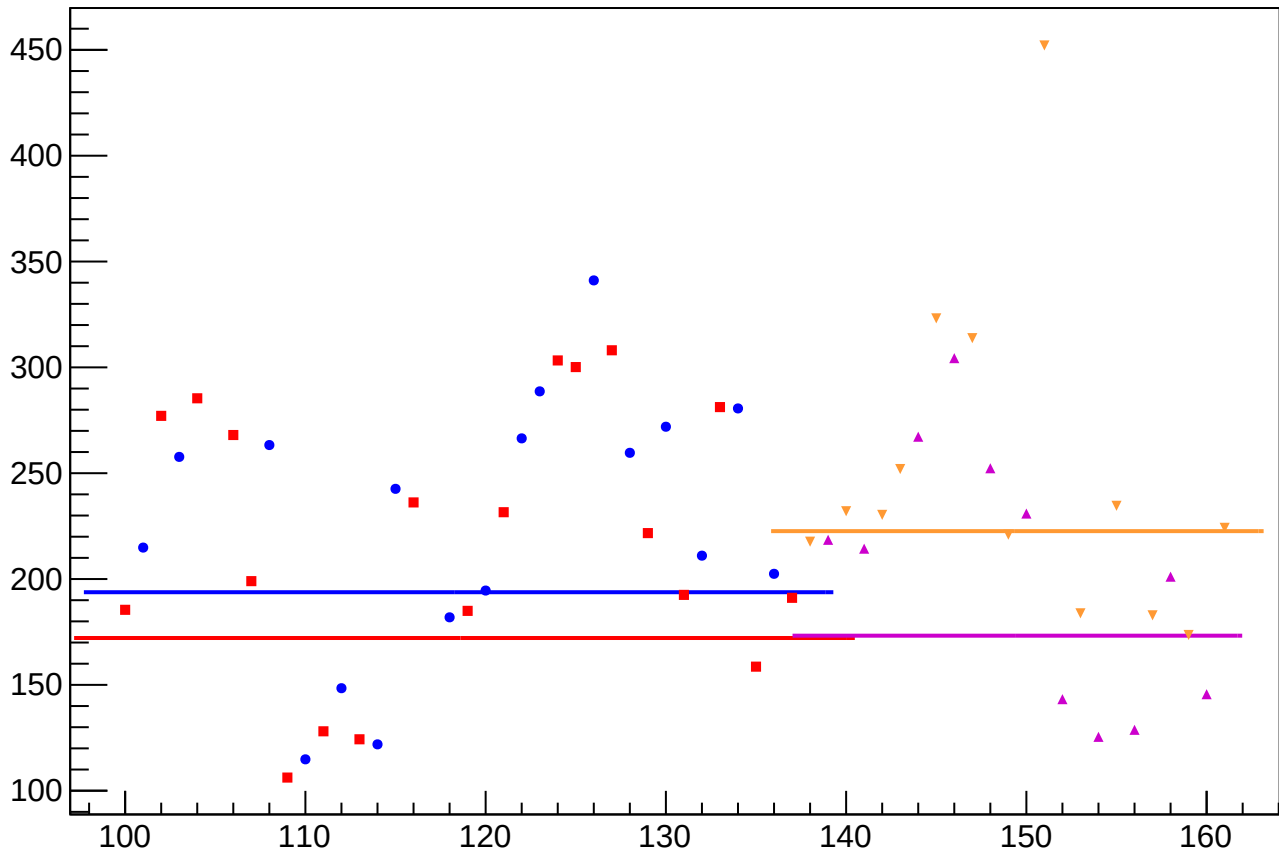
Left In: 53.430+/-62.455 χ^2/NDF : 5.2/10

49.813+/-54.326 χ^2/NDF : 11.9/29

37.003+/-35.384 χ^2/NDF : 24.7/59

27.564+/-46.632 χ^2/NDF : 12.7/29

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 222.631 $\pm$ 0.053 χ^2 /NDF: 950393.4/12

Right Out: 172.142 $\pm$ 0.050 χ^2 /NDF: 1580035.1/18

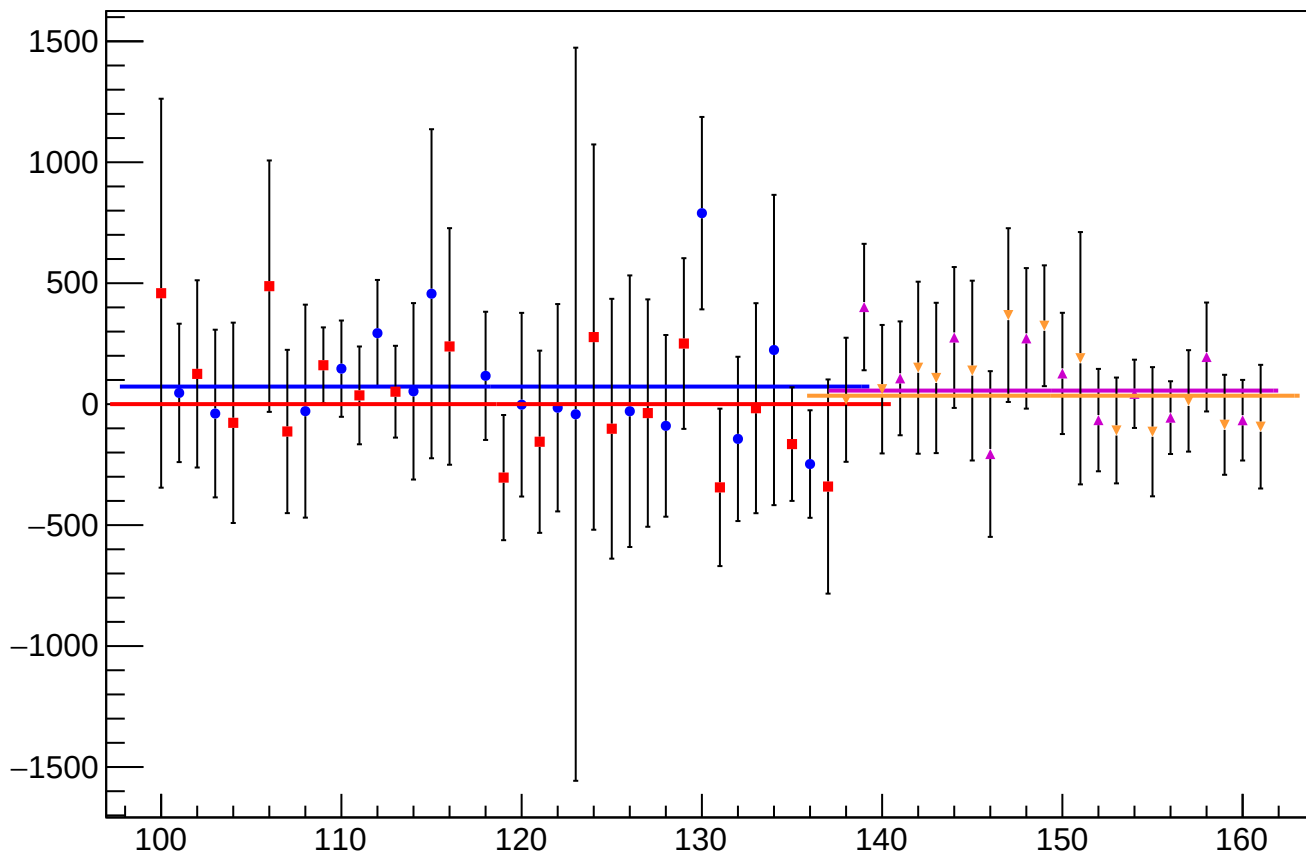
Left In: 173.241 $\pm$ 0.044 χ^2 /NDF: 1424626.5/10

209.190 $\pm$ 0.038 χ^2 /NDF: 2107905.2/29

188.211 $\pm$ 0.025 χ^2 /NDF: 5630822.0/59

172.755 $\pm$ 0.033 χ^2 /NDF: 3004935.8/29

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675 $\pm$ 79.992 χ^2/NDF : 7.8/16

Left Out: 34.911 $\pm$ 74.803 χ^2/NDF : 3.9/12

Right Out: 0.181 $\pm$ 70.467 χ^2/NDF : 7.3/18

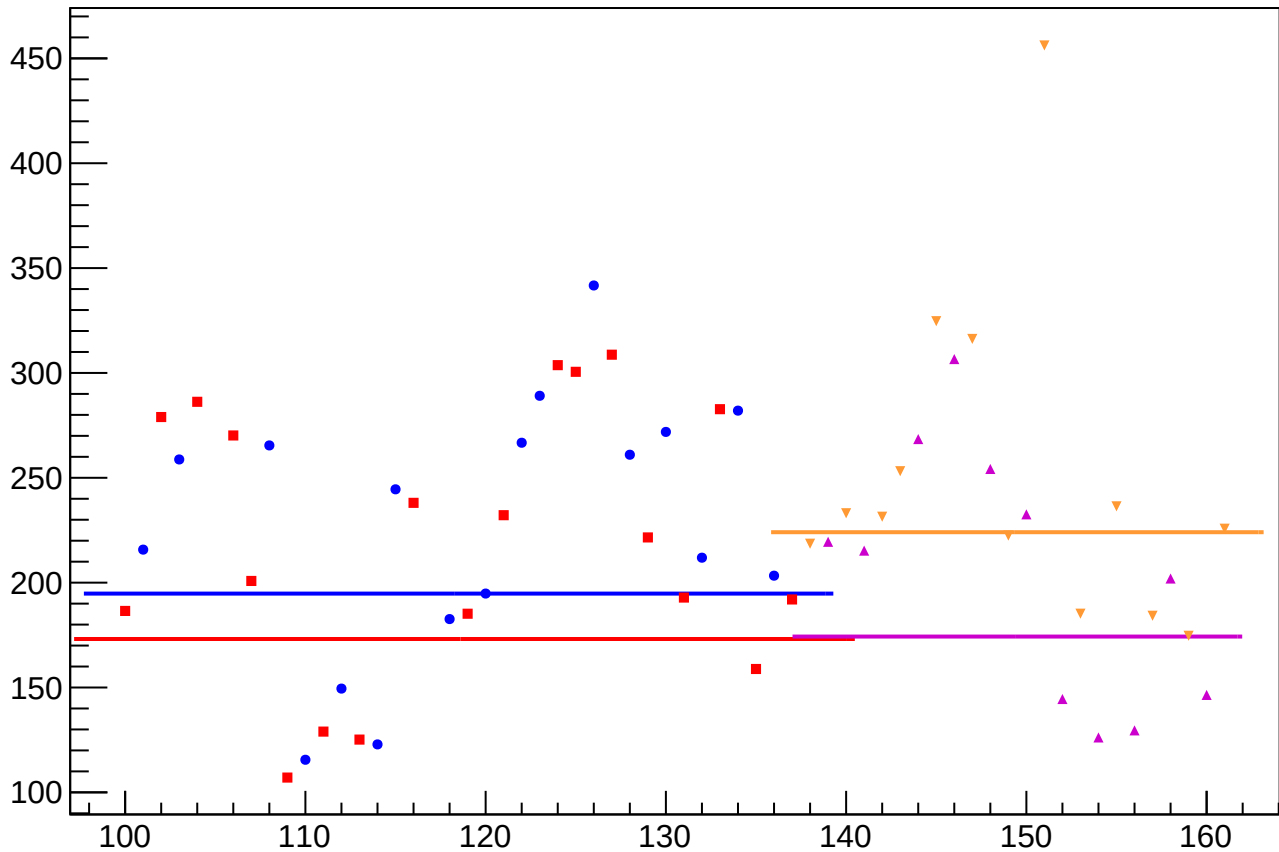
Left In: 56.150 $\pm$ 62.835 χ^2/NDF : 5.4/10

52.529 $\pm$ 54.636 χ^2/NDF : 11.8/29

40.340 $\pm$ 35.586 χ^2/NDF : 24.9/59

31.360 $\pm$ 46.898 χ^2/NDF : 13.0/29

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 224.054 $\pm$ 0.053 χ^2 /NDF: 949922.6/12

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

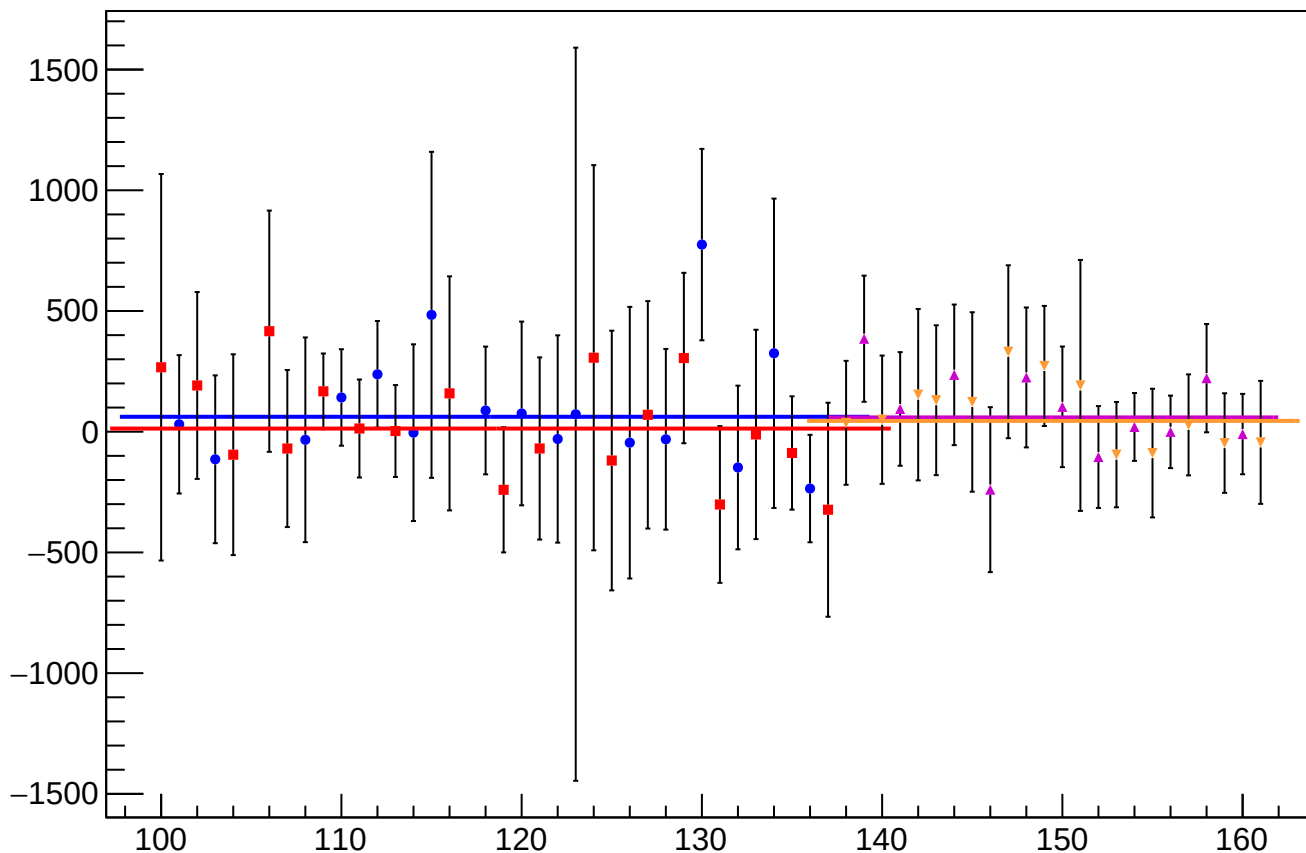
Left In: 174.296 $\pm$ 0.044 χ^2 /NDF: 1422612.3/10

210.398 $\pm$ 0.039 χ^2 /NDF: 2101090.1/29

189.314 $\pm$ 0.025 χ^2 /NDF: 5608832.7/59

173.780 $\pm$ 0.033 χ^2 /NDF: 2990472.4/29

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 44.825 $\pm$ 74.647 χ^2 /NDF: 2.8/12

Right Out: 13.101 $\pm$ 70.391 χ^2 /NDF: 5.8/18

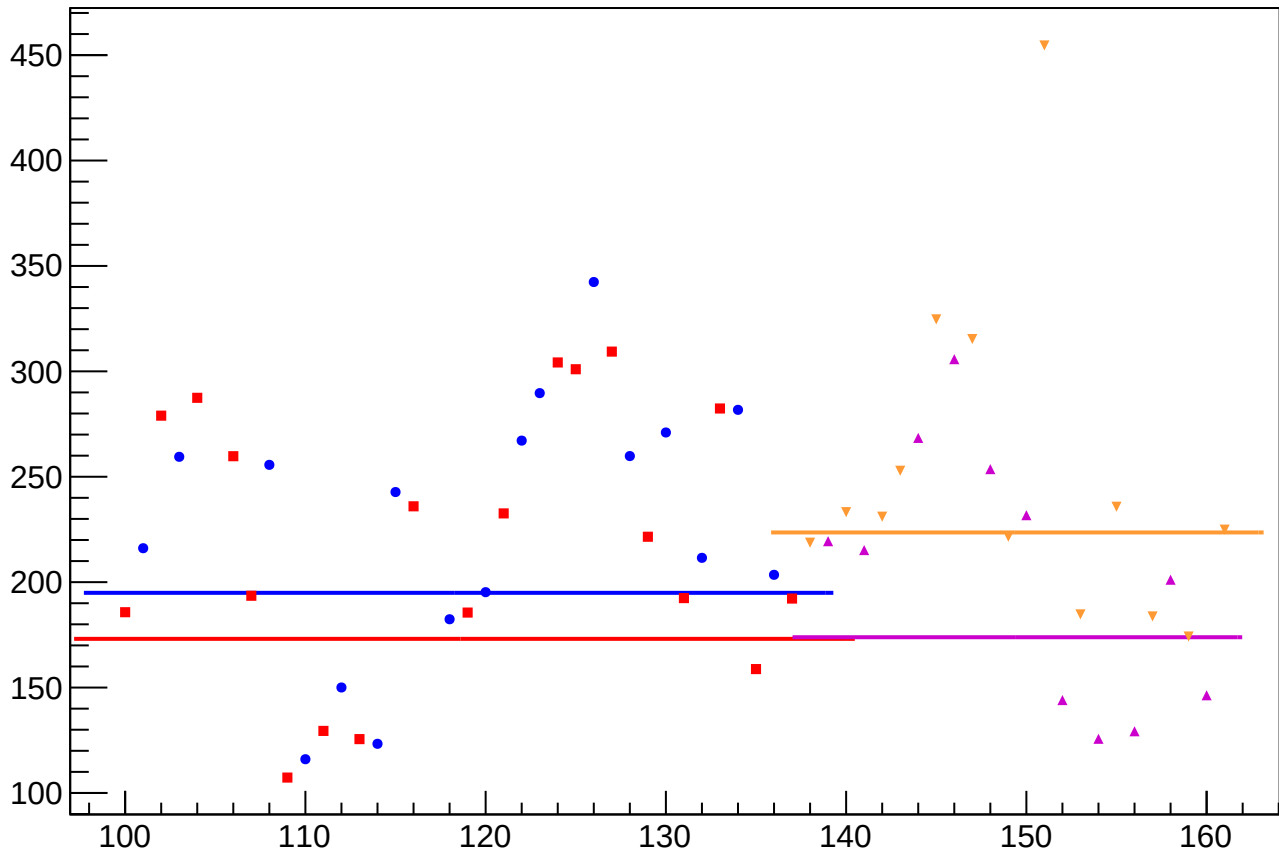
Left In: 59.228 $\pm$ 62.689 χ^2 /NDF: 4.6/10

52.734 $\pm$ 54.573 χ^2 /NDF: 10.1/29

44.721 $\pm$ 35.532 χ^2 /NDF: 20.7/59

38.825 $\pm$ 46.815 χ^2 /NDF: 10.6/29

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 223.579 $\pm$ 0.053 χ^2 /NDF: 951446.7/12

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

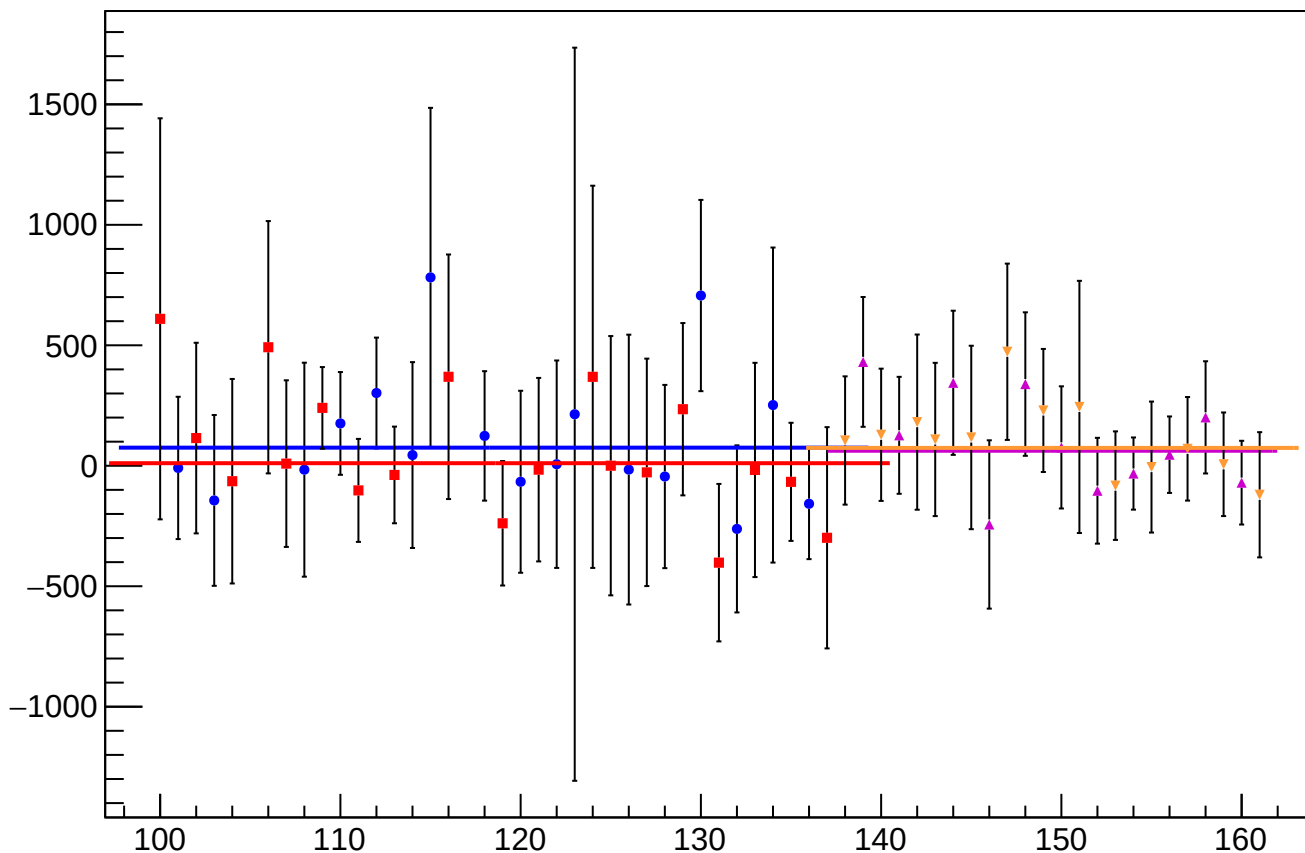
Left In: 173.874 $\pm$ 0.044 χ^2 /NDF: 1426373.9/10

210.247 $\pm$ 0.039 χ^2 /NDF: 2075125.7/29

189.098 $\pm$ 0.025 χ^2 /NDF: 5567722.4/59

173.535 $\pm$ 0.033 χ^2 /NDF: 2971229.5/29

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 ± 82.504 $\chi^2/\text{NDF}: 7.6/16$

Left Out: 74.137 ± 76.800 $\chi^2/\text{NDF}: 3.1/12$

Right Out: 10.674 ± 73.338 $\chi^2/\text{NDF}: 7.8/18$

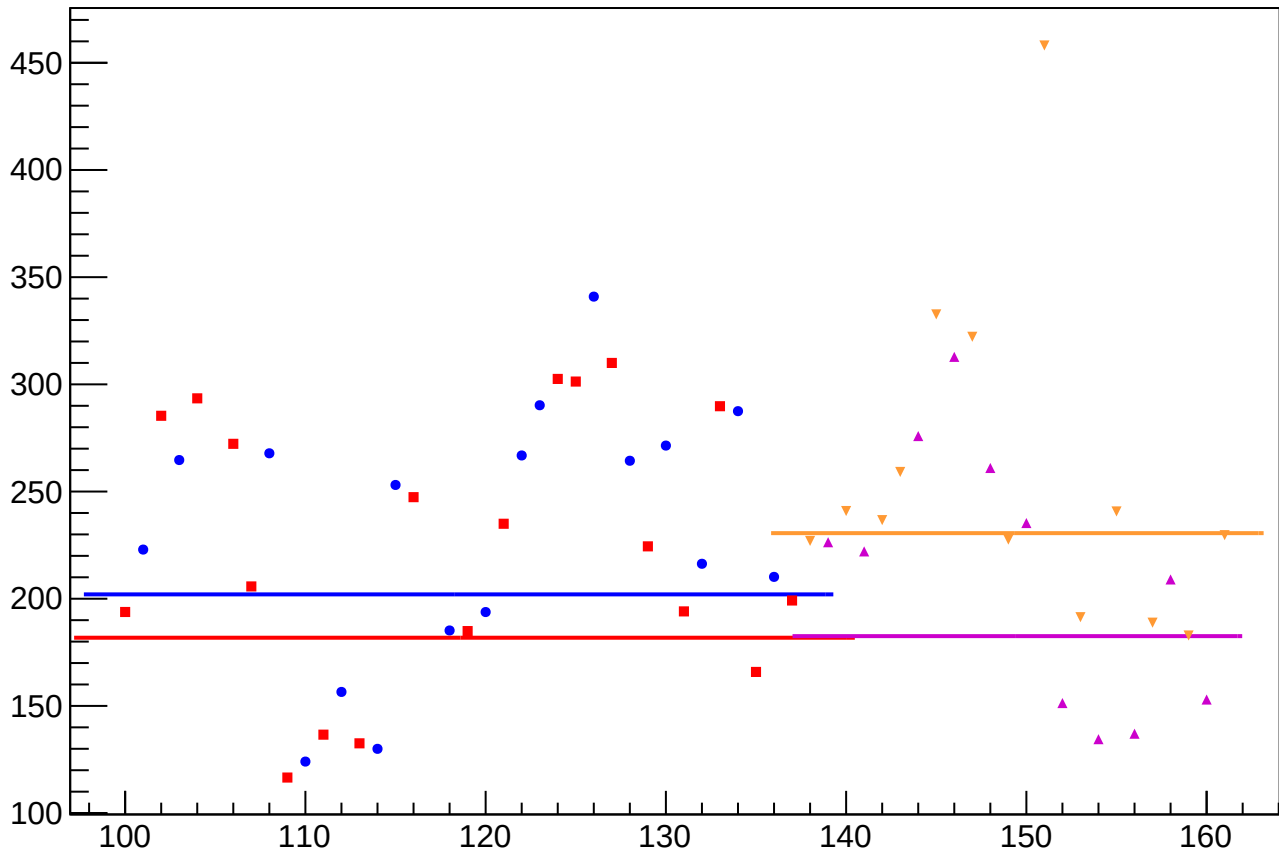
Left In: 62.350 ± 65.432 $\chi^2/\text{NDF}: 6.4/10$

74.633 ± 56.214 $\chi^2/\text{NDF}: 10.7/29$

54.576 ± 36.862 $\chi^2/\text{NDF}: 25.4/59$

39.446 ± 48.824 $\chi^2/\text{NDF}: 14.5/29$

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 230.594 $\pm$ 0.054 χ^2 /NDF: 904693.5/12

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

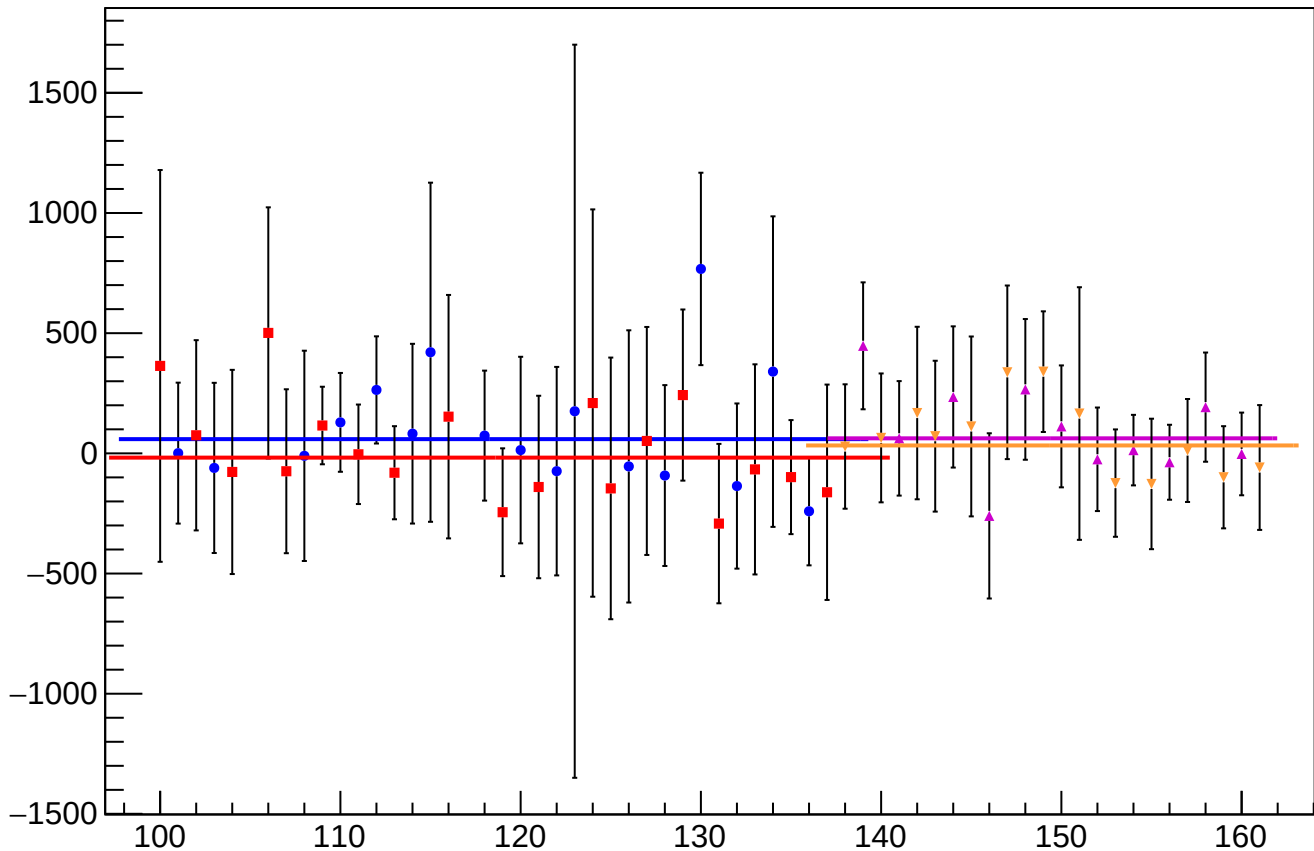
Left In: 182.552 $\pm$ 0.046 χ^2 /NDF: 1298883.3/10

217.333 $\pm$ 0.040 χ^2 /NDF: 1914749.7/29

197.320 $\pm$ 0.026 χ^2 /NDF: 5035990.5/59

182.224 $\pm$ 0.035 χ^2 /NDF: 2676534.0/29

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 32.905 $\pm$ 75.932 χ^2 /NDF: 3.8/12

Right Out: -17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

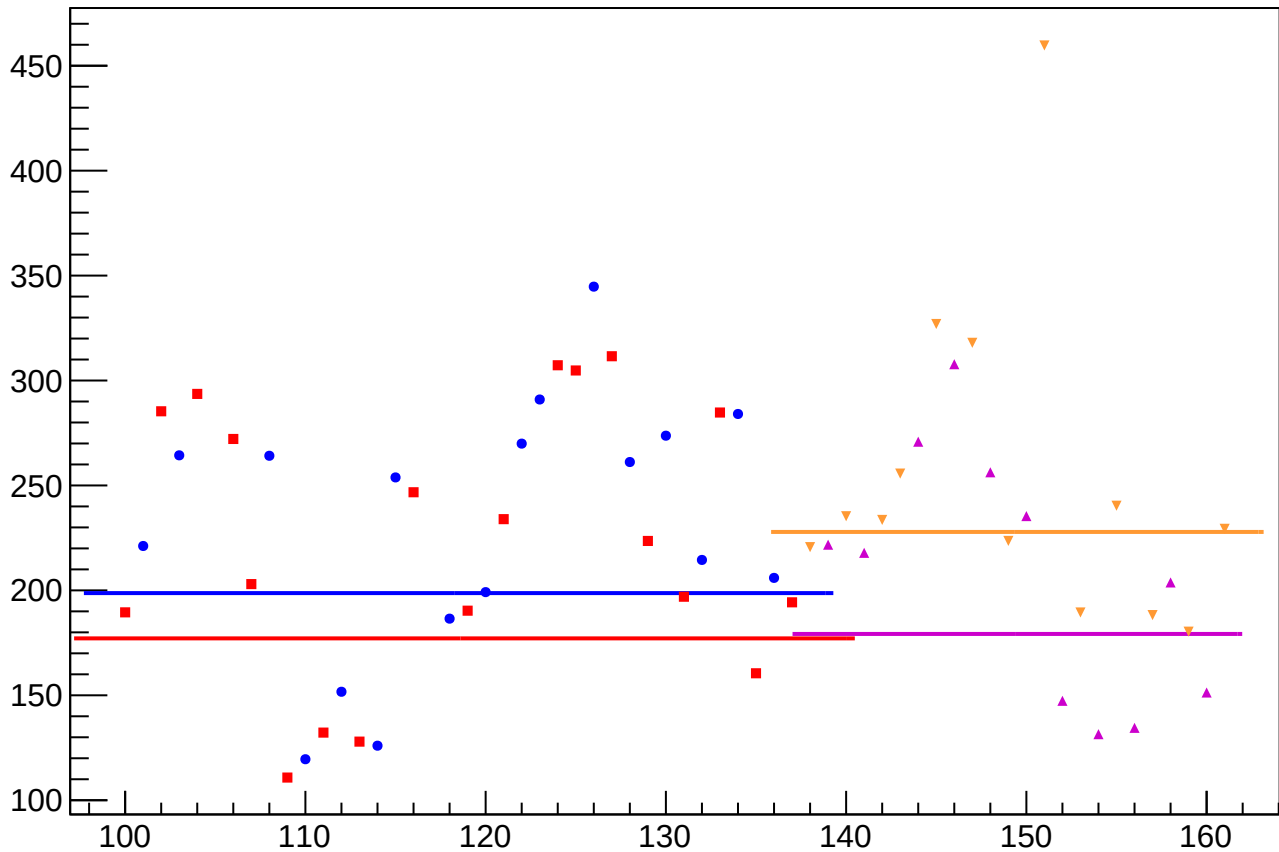
Left In: 62.532 $\pm$ 64.343 χ^2 /NDF: 5.0/10

45.125 $\pm$ 55.530 χ^2 /NDF: 11.0/29

34.650 $\pm$ 36.291 χ^2 /NDF: 21.5/59

26.840 $\pm$ 47.947 χ^2 /NDF: 10.4/29

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 227.848 $\pm$ 0.054 χ^2 /NDF: 905695.3/12

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

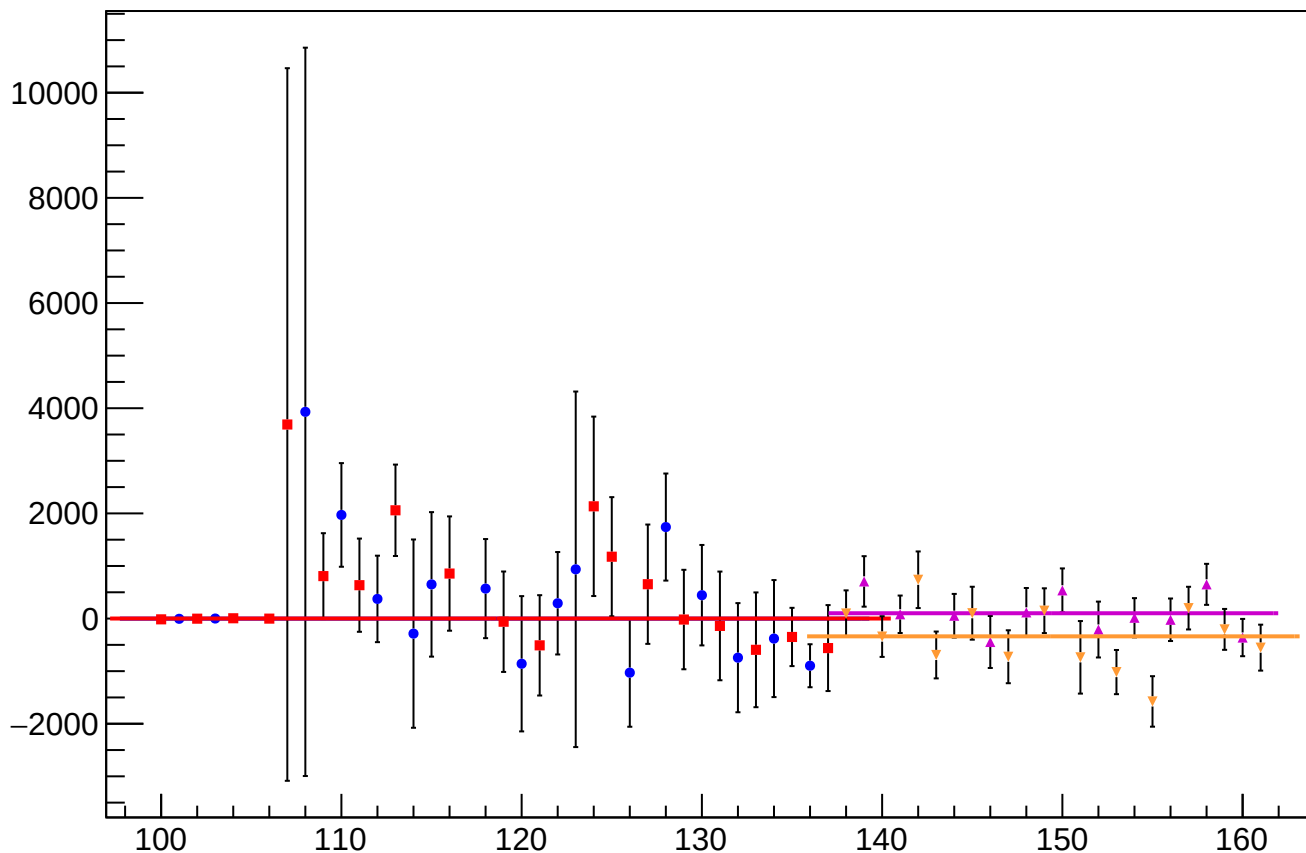
Left In: 179.240 $\pm$ 0.045 χ^2 /NDF: 1311514.5/10

214.290 $\pm$ 0.039 χ^2 /NDF: 2006147.5/29

193.672 $\pm$ 0.026 χ^2 /NDF: 5324832.4/59

178.299 $\pm$ 0.034 χ^2 /NDF: 2837365.6/29

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -338.063 ± 125.199 χ^2/NDF : 20.0/12

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

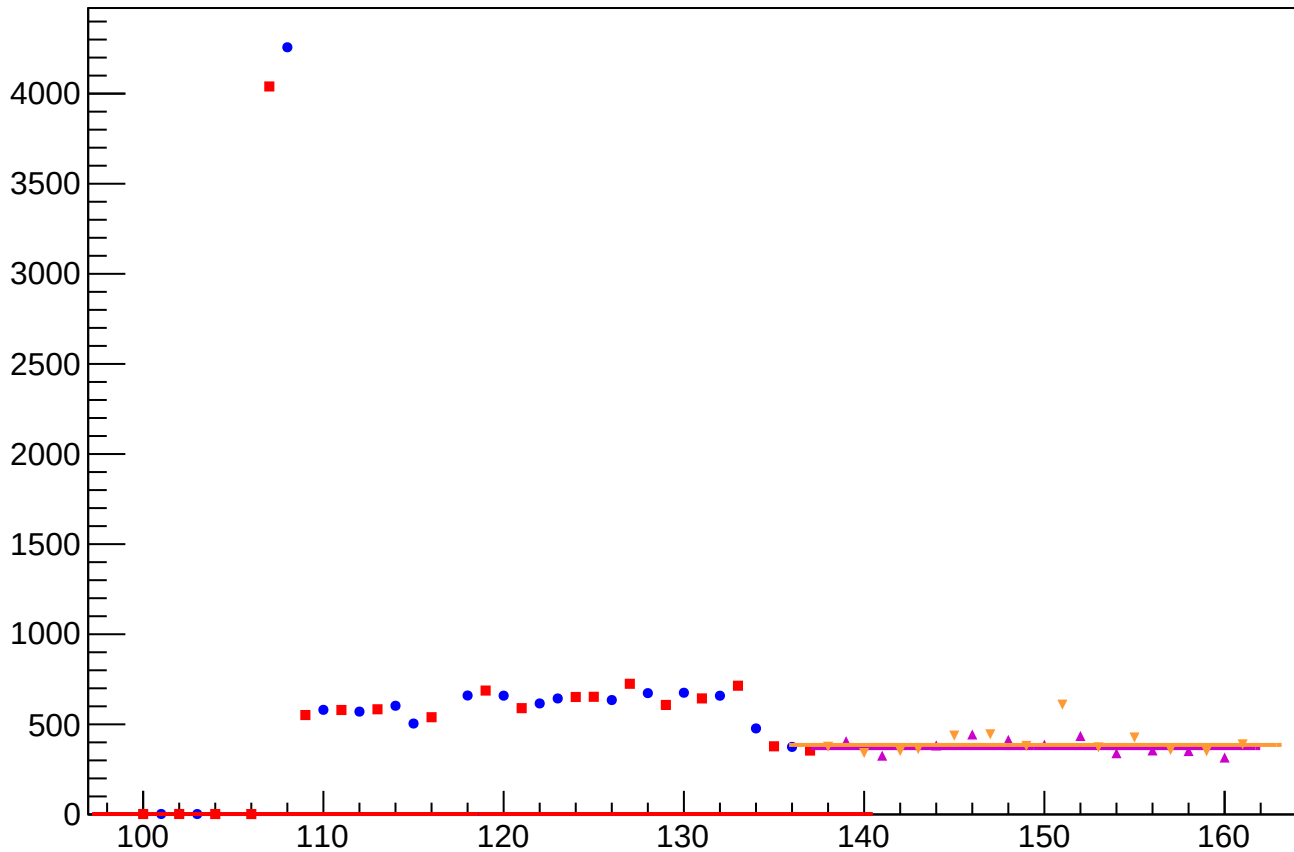
Left In: 101.351 ± 125.103 χ^2/NDF : 8.1/10

-1.638 ± 2.251 χ^2/NDF : 43.9/29

-0.362 ± 1.540 χ^2/NDF : 71.6/59

0.760 ± 2.111 χ^2/NDF : 27.1/29

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 385.786+/-0.089 χ^2/NDF : 343429.6/12

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

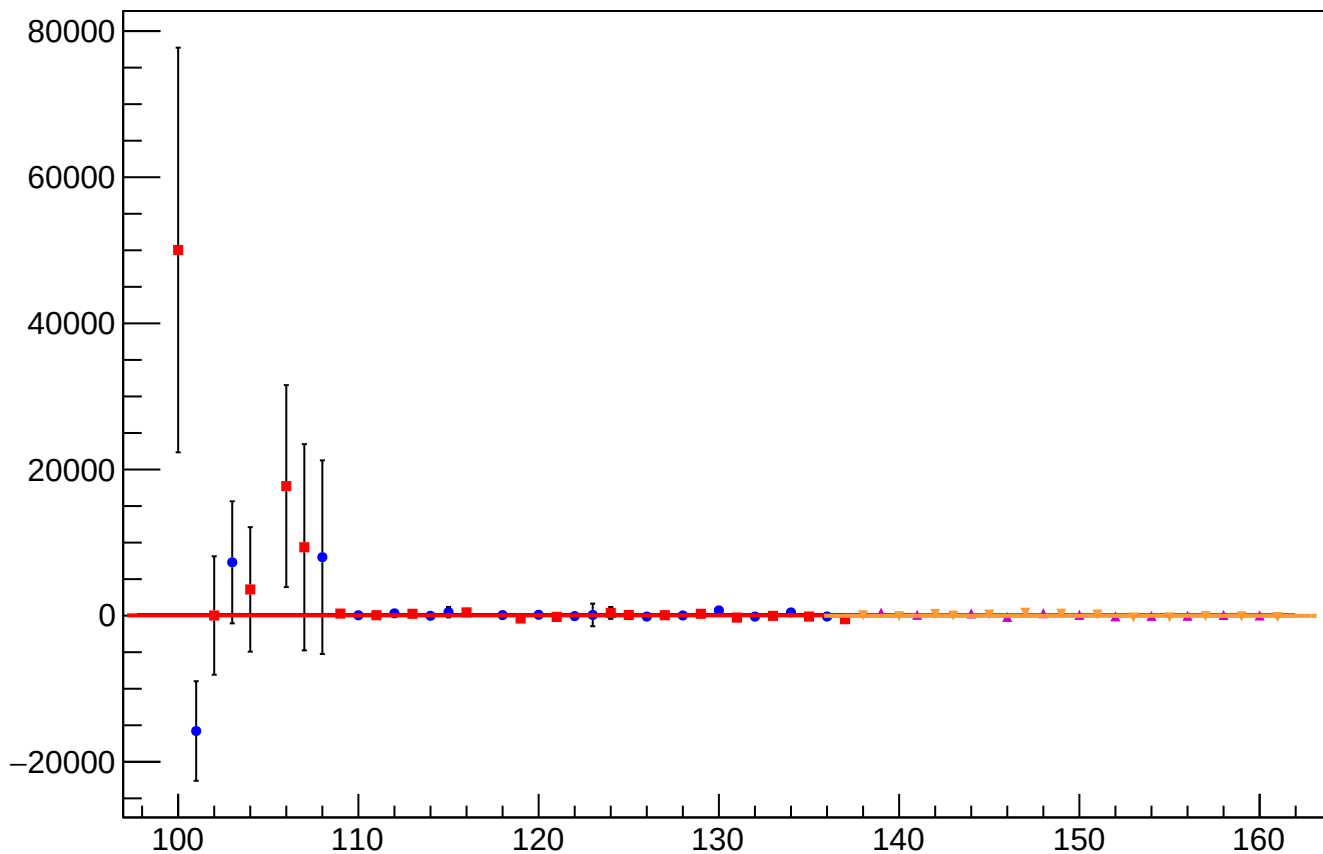
Left In: 368.050+/-0.088 χ^2/NDF : 206403.9/10

2.580+/-0.002 χ^2/NDF : 29792597.0/29

2.559+/-0.001 χ^2/NDF : 58216657.5/59

2.541+/-0.001 χ^2/NDF : 28423736.1/29

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353 $\pm$ 91.708 χ^2/NDF : 12.0/16

Left Out: -26.120 $\pm$ 80.829 χ^2/NDF : 5.1/12

Right Out: 42.617 $\pm$ 84.547 χ^2/NDF : 14.0/18

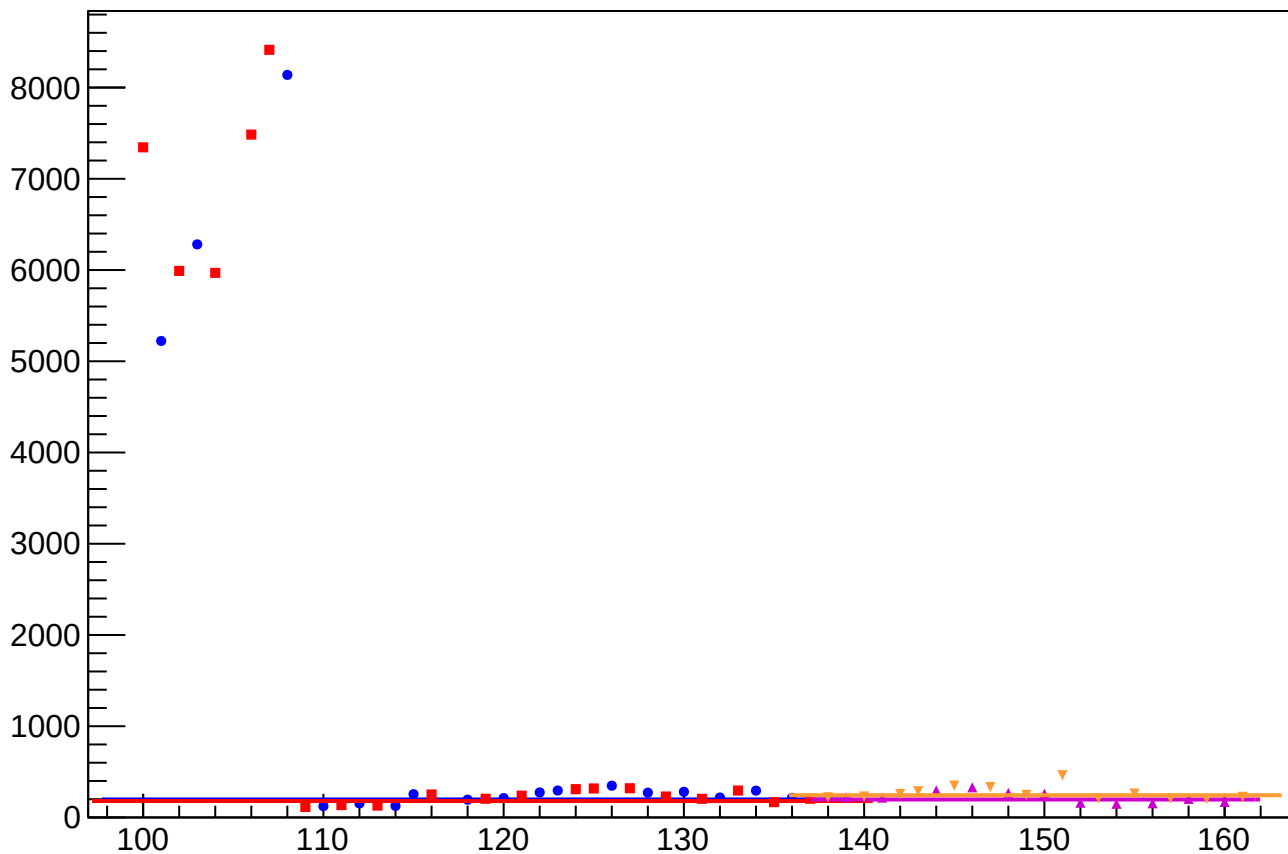
Left In: 72.207 $\pm$ 69.834 χ^2/NDF : 4.7/10

26.988 $\pm$ 60.638 χ^2/NDF : 18.1/29

45.562 $\pm$ 40.261 χ^2/NDF : 37.0/59

60.207 $\pm$ 53.842 χ^2/NDF : 18.8/29

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 243.672+/-0.057 χ^2/NDF :817954.2/12

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

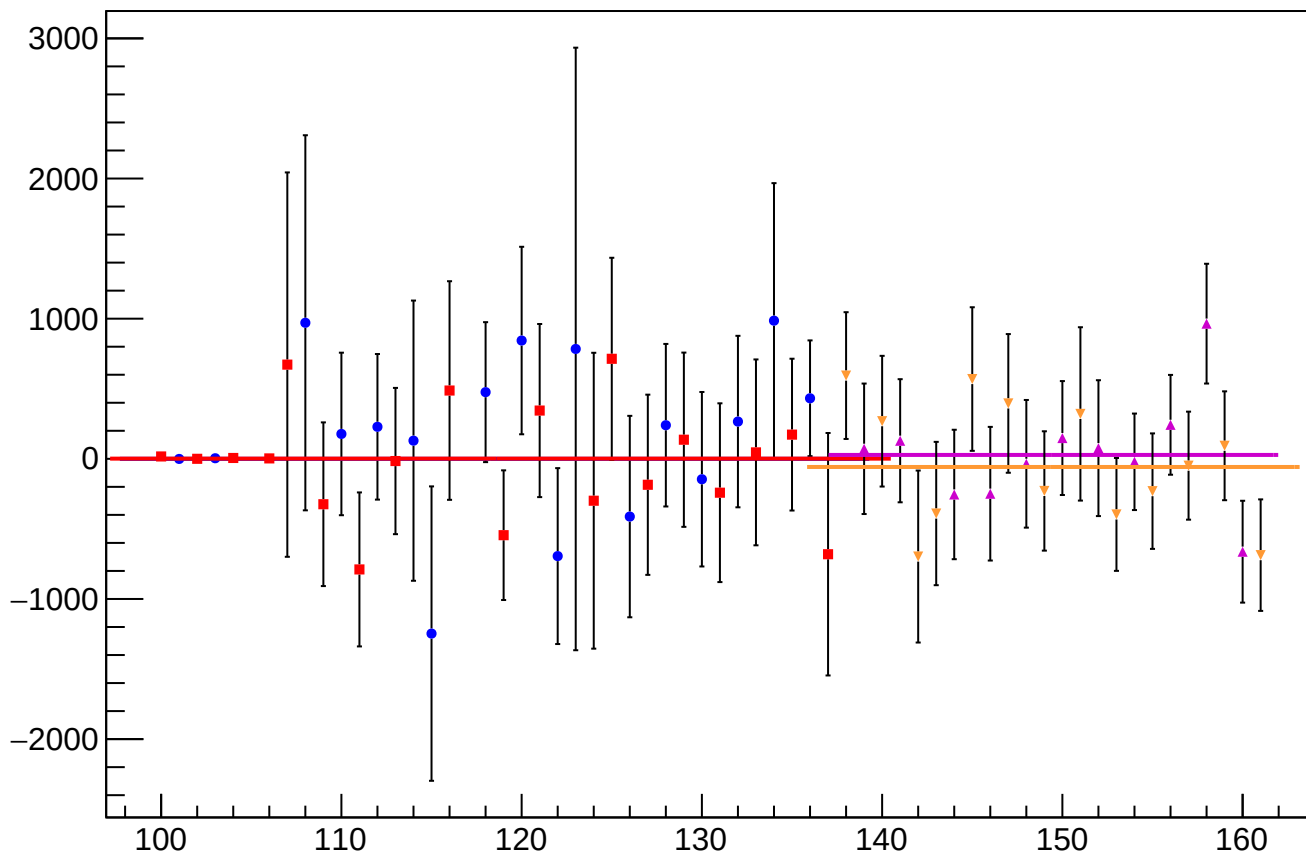
Left In: 196.630+/-0.049 χ^2/NDF :1052158.9/10

223.452+/-0.043 χ^2/NDF : 4800091.6/29

204.679+/-0.028 χ^2/NDF : 10562560.7/59

189.878+/-0.038 χ^2/NDF : 5419653.8/29

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 $\pm$ 1.737 χ^2/NDF : 9.8/16

Left Out: -58.165 $\pm$ 125.266 χ^2/NDF : 10.5/12

Right Out: 1.324 $\pm$ 1.623 χ^2/NDF : 9.5/18

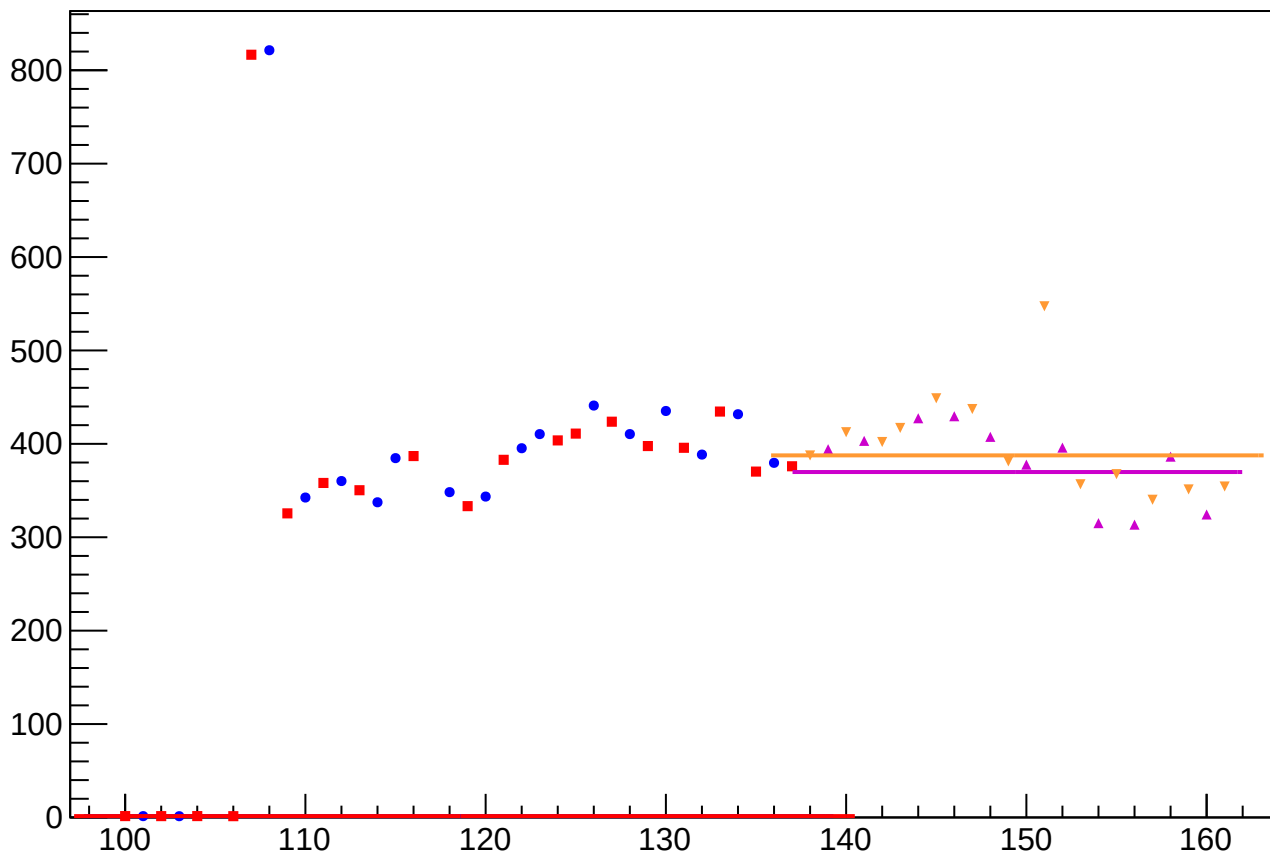
Left In: 27.731 $\pm$ 125.600 χ^2/NDF : 9.7/10

-0.150 $\pm$ 1.736 χ^2/NDF : 20.5/29

0.639 $\pm$ 1.185 χ^2/NDF : 40.1/59

1.328 $\pm$ 1.622 χ^2/NDF : 19.2/29

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 387.659+/-0.089 χ^2/NDF : 274219.9/12

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

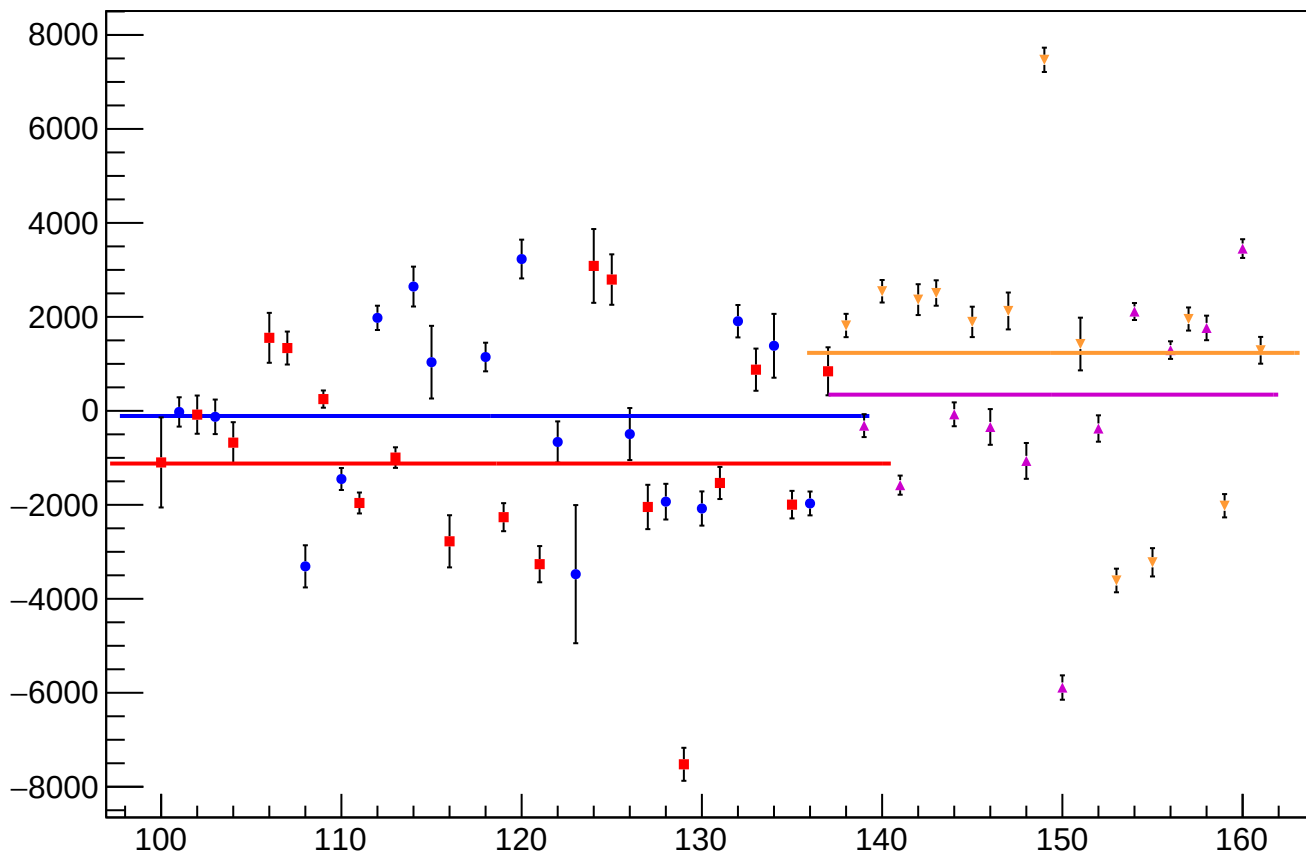
Left In: 369.828+/-0.089 χ^2/NDF : 234632.3/10

1.526+/-0.001 χ^2/NDF : 30097451.4/29

1.519+/-0.001 χ^2/NDF : 58407149.8/59

1.512+/-0.001 χ^2/NDF : 28309629.7/29

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 1234.177+/-78.402 χ^2/NDF : 1430.7/12

Right Out: -1121.203+/-78.396 χ^2/NDF : 670.1/18

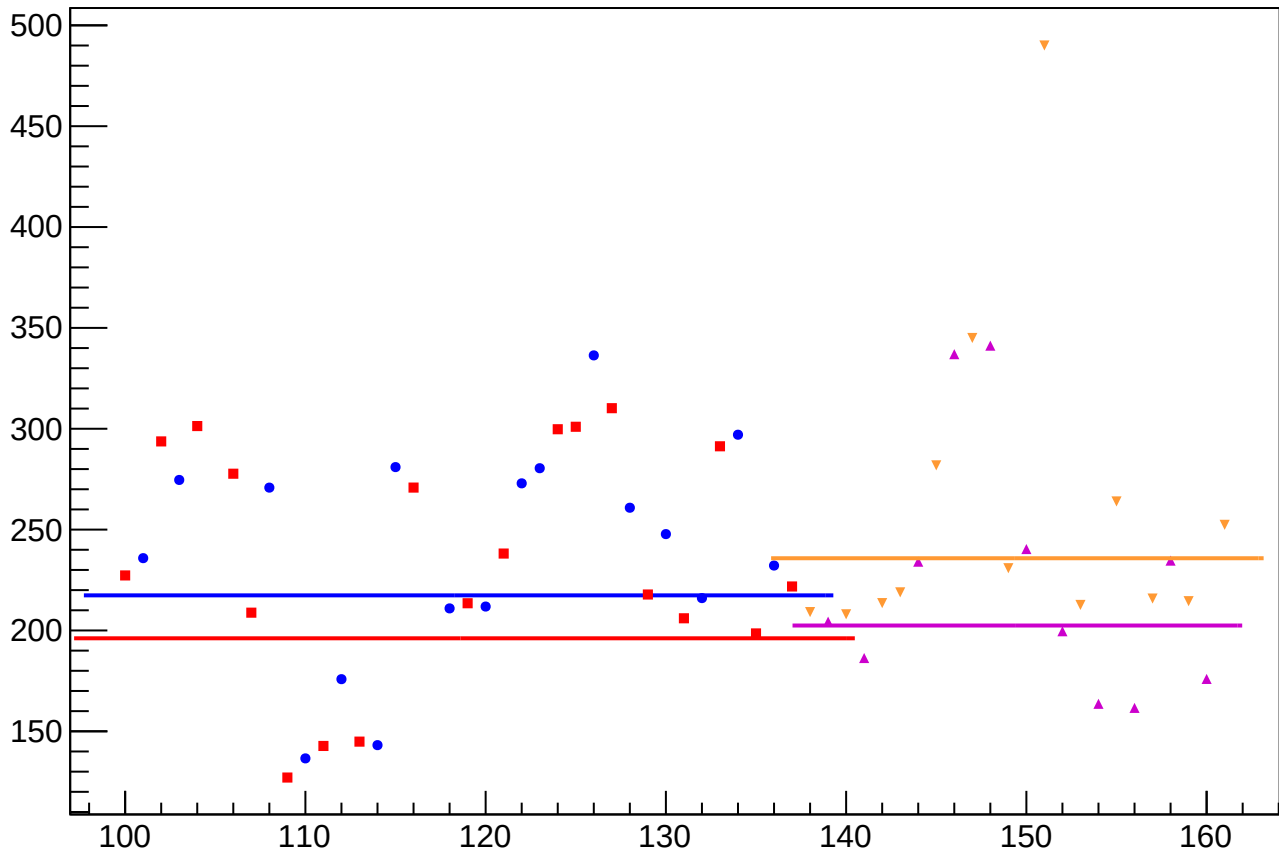
Left In: 344.979+/-71.304 χ^2/NDF : 1094.3/10

639.417+/-58.527 χ^2/NDF : 1989.1/29

110.679+/-39.183 χ^2/NDF : 4092.8/59

-318.807+/-52.749 χ^2/NDF : 1955.8/29

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 235.801 $\pm$ 0.055 χ^2 /NDF: 742940.2/12

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

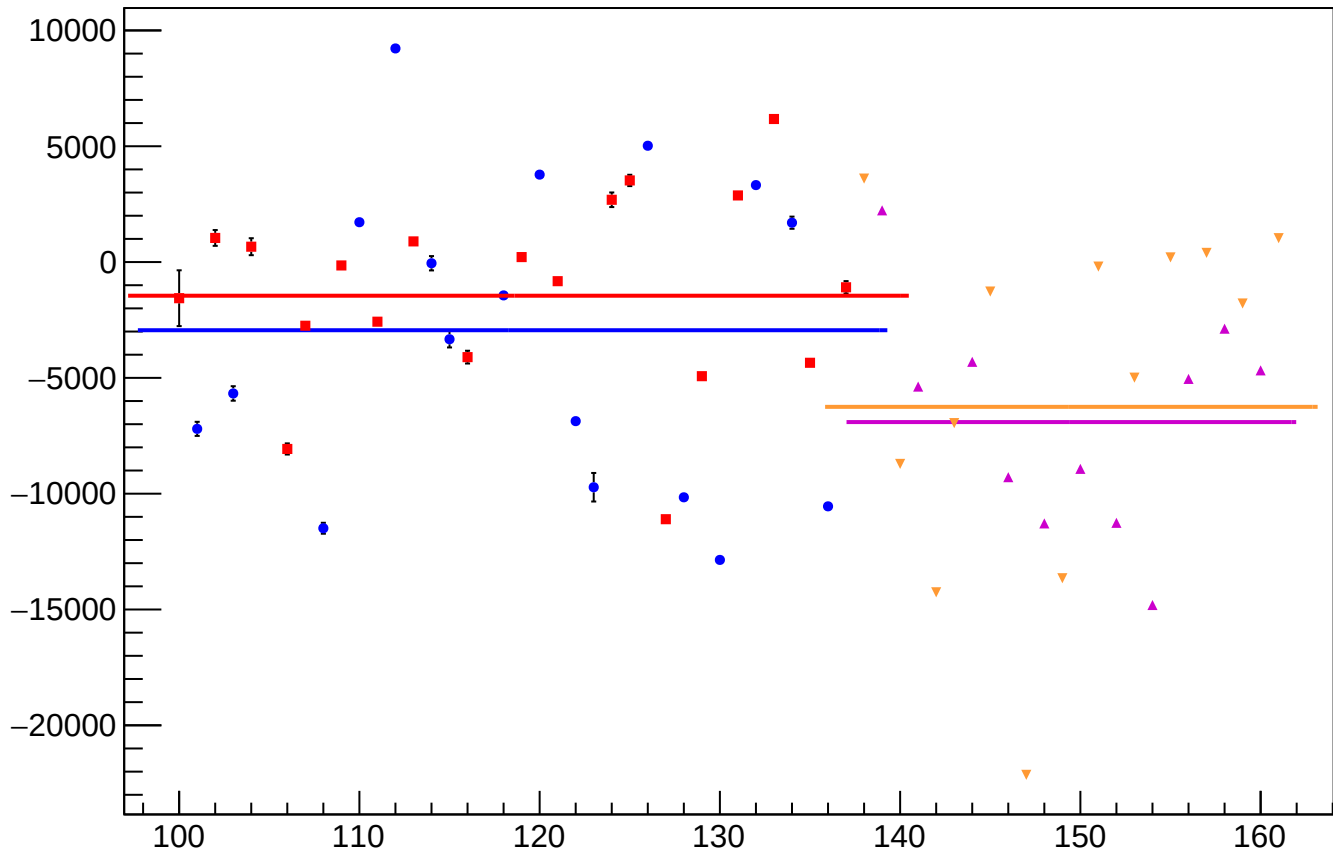
Left In: 202.448 $\pm$ 0.050 χ^2 /NDF: 854373.3/10

227.656 $\pm$ 0.041 χ^2 /NDF: 1444335.3/29

212.163 $\pm$ 0.028 χ^2 /NDF: 3750681.1/59

199.579 $\pm$ 0.037 χ^2 /NDF: 2052383.9/29

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -6251.194+/-41.555 χ^2/NDF : 33963.7/12

Right Out: -1453.116+/-46.404 χ^2/NDF : 7996.0/18

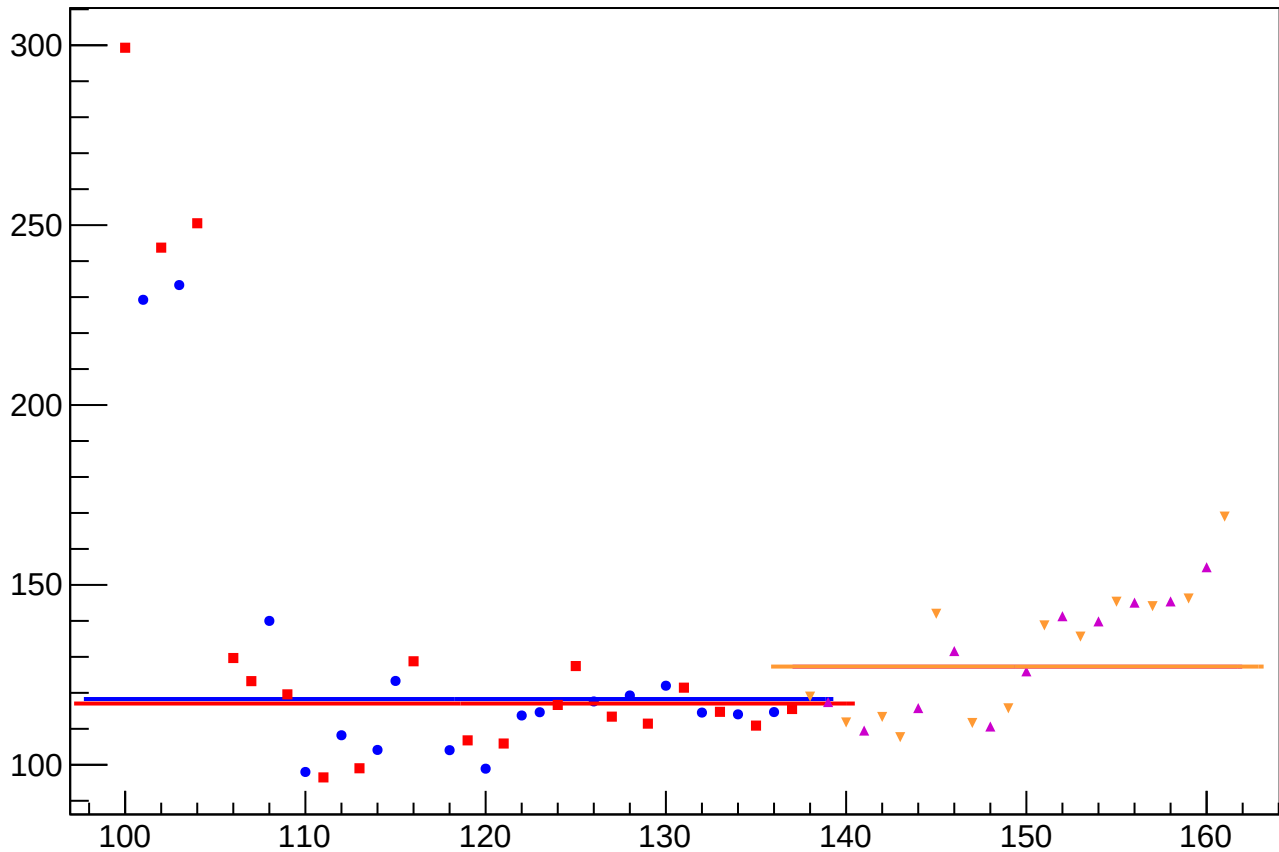
Left In: -6908.485+/-43.223 χ^2/NDF : 10762.5/10

-4854.503+/-31.587 χ^2/NDF : 57549.2/29

-4614.629+/-22.350 χ^2/NDF : 83823.5/59

-4374.132+/-31.628 χ^2/NDF : 26158.9/29

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 127.305+/-0.029 χ^2/NDF : 337748.8/12

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

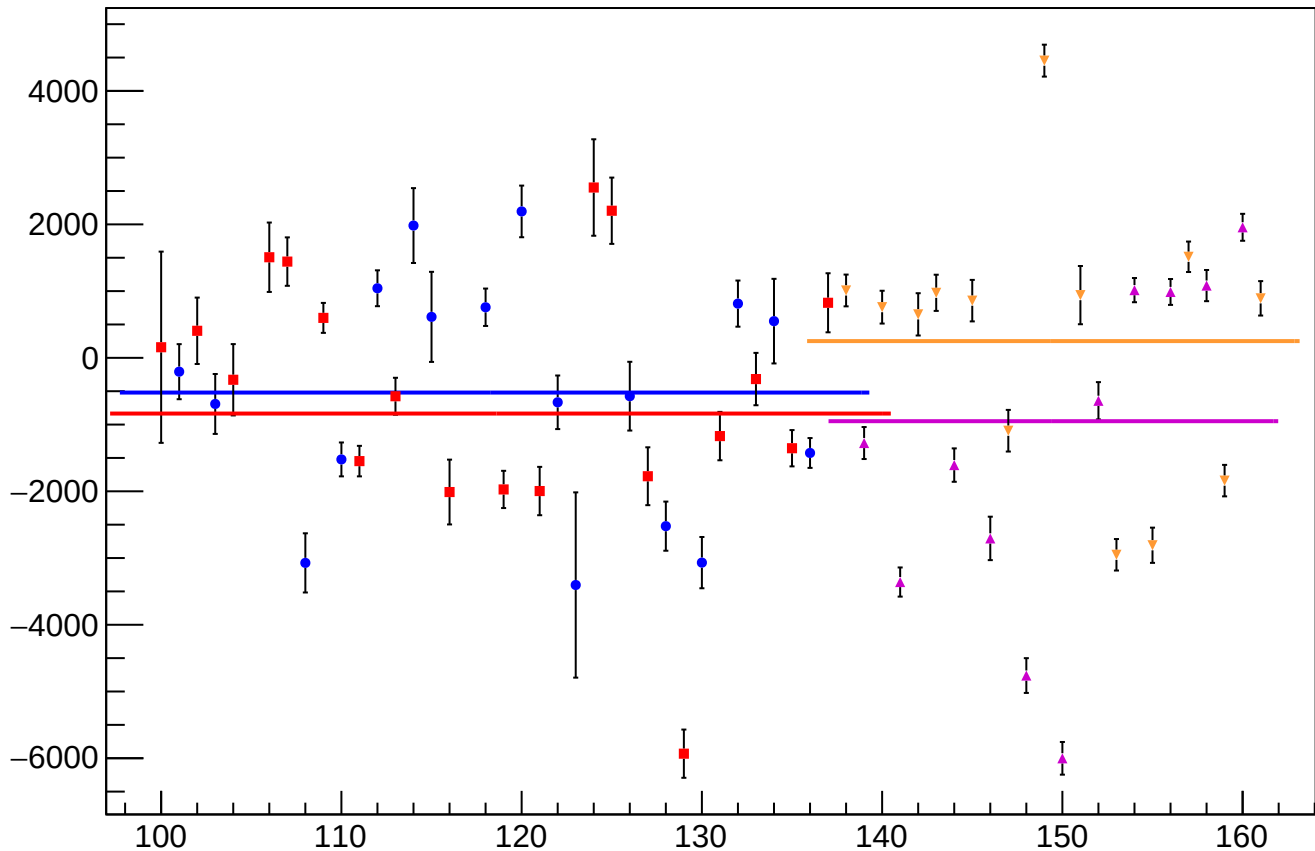
Left In: 127.267+/-0.031 χ^2/NDF : 234833.3/10

123.497+/-0.022 χ^2/NDF : 1014447.0/29

123.005+/-0.016 χ^2/NDF : 1993215.0/59

122.512+/-0.022 χ^2/NDF : 977797.0/29

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 $\pm$ 89.241 χ^2 /NDF: 288.1/16

Left Out: 250.995 $\pm$ 73.401 χ^2 /NDF: 790.3/12

Right Out: -834.834 $\pm$ 82.273 χ^2 /NDF: 434.7/18

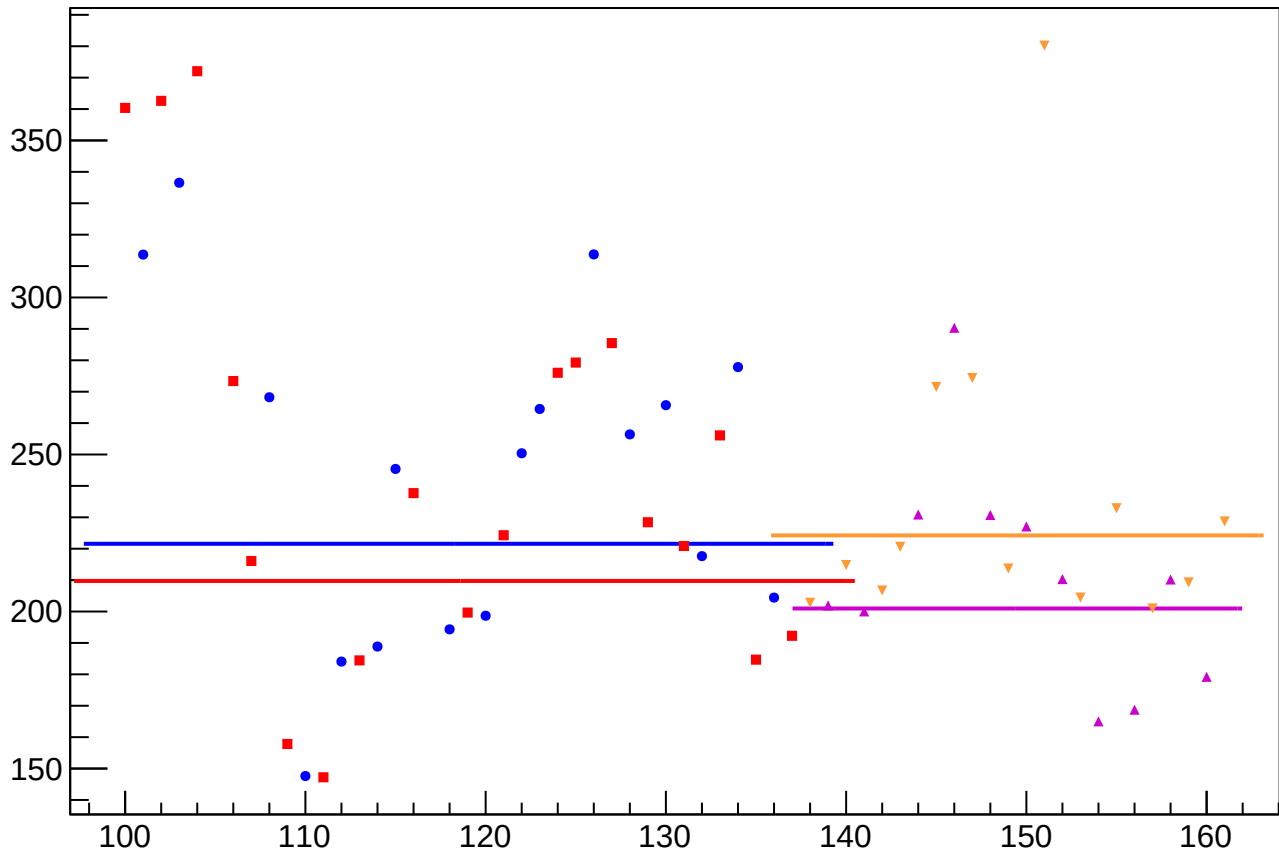
Left In: -949.235 $\pm$ 69.373 χ^2 /NDF: 1300.0/10

-60.228 $\pm$ 56.689 χ^2 /NDF: 1123.0/29

-508.948 $\pm$ 38.729 χ^2 /NDF: 2976.3/59

-901.696 $\pm$ 53.036 χ^2 /NDF: 1735.9/29

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 +/- 0.063 χ^2/NDF : 644941.4/16

Left Out: 224.239 +/- 0.052 χ^2/NDF : 428532.6/12

Right Out: 209.736 +/- 0.058 χ^2/NDF : 883922.1/18

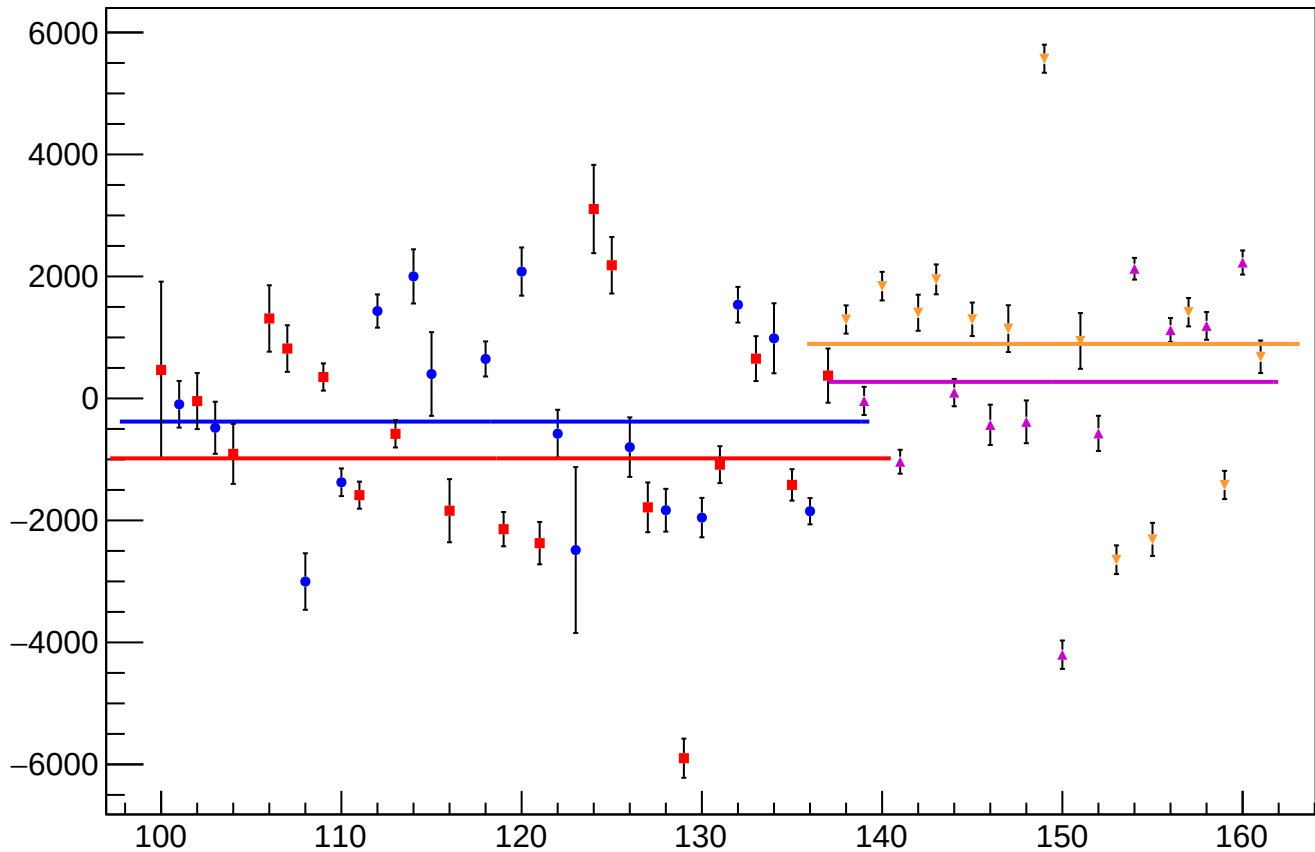
Left In: 200.964 +/- 0.049 χ^2/NDF : 390743.7/10

223.162 +/- 0.040 χ^2/NDF : 1074541.2/29

213.268 +/- 0.027 χ^2/NDF : 2476728.5/59

204.609 +/- 0.038 χ^2/NDF : 1287954.4/29

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 893.477 ± 72.291 χ^2/NDF : 925.6/12

Right Out: -982.539 ± 77.724 χ^2/NDF : 476.3/18

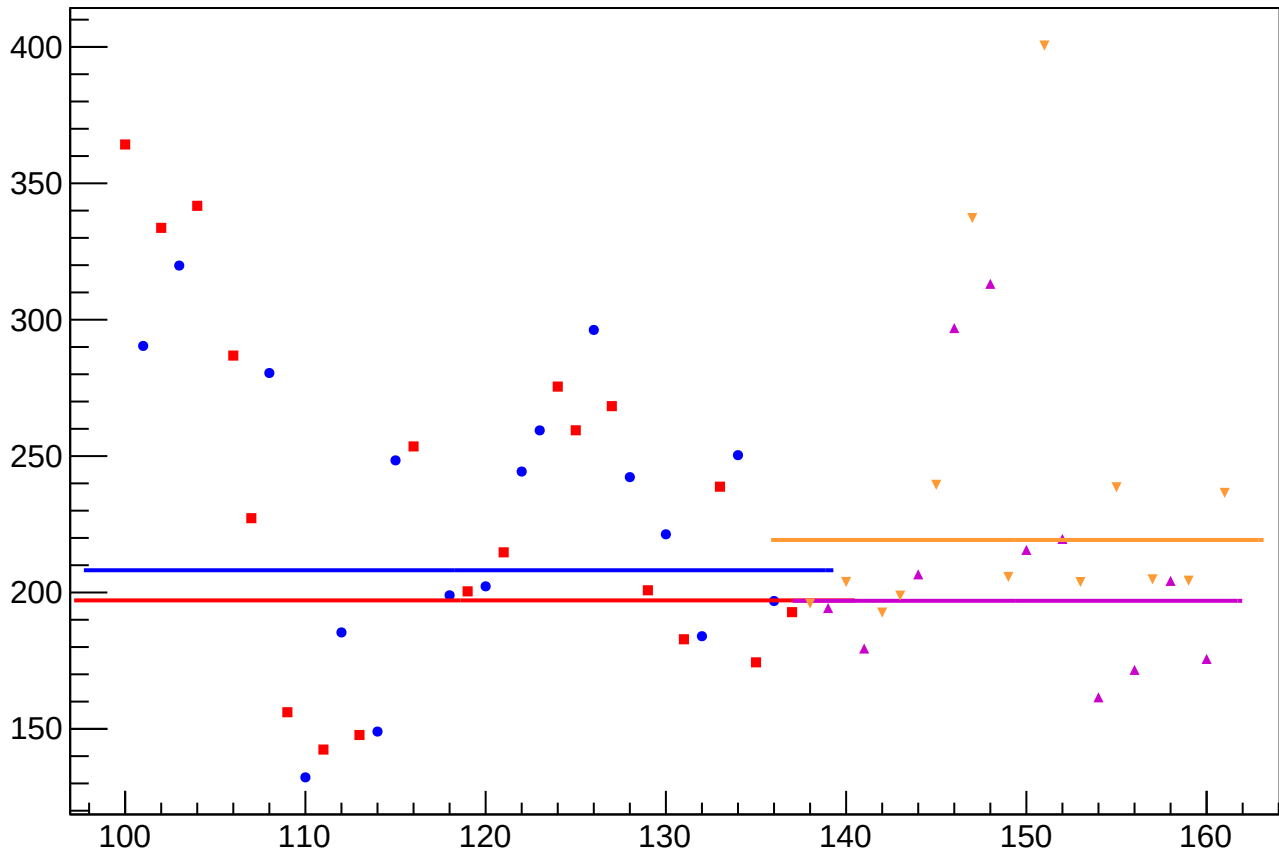
Left In: 271.548 ± 68.328 χ^2/NDF : 674.3/10

353.684 ± 54.865 χ^2/NDF : 1374.3/29

18.283 ± 37.478 χ^2/NDF : 2741.8/59

-275.143 ± 51.317 χ^2/NDF : 1297.4/29

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 219.261+/-0.051 χ^2/NDF : 623545.0/12

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

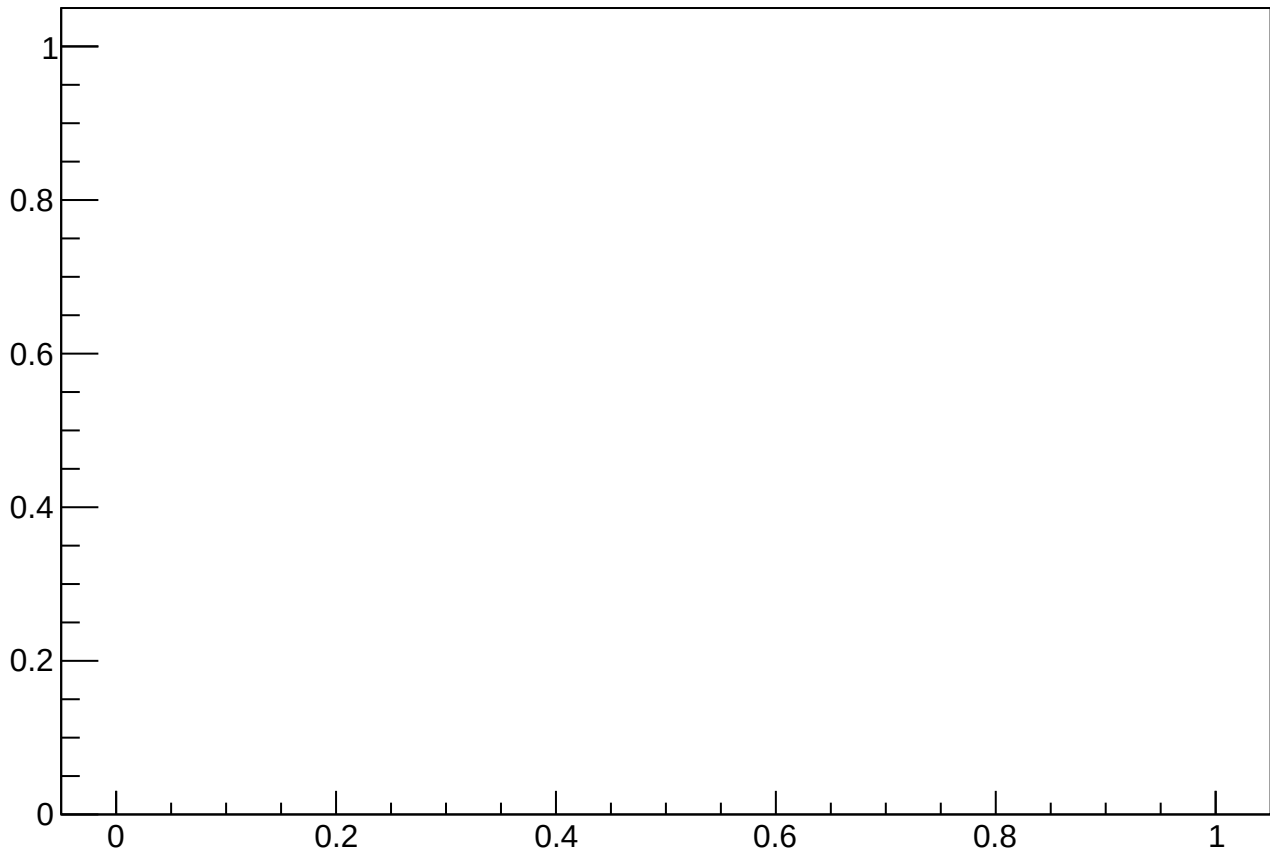
Left In: 196.951+/-0.048 χ^2/NDF : 584470.7/10

214.551+/-0.039 χ^2/NDF : 1342659.5/29

205.199+/-0.027 χ^2/NDF : 2962546.0/59

197.017+/-0.036 χ^2/NDF : 1510942.4/29

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

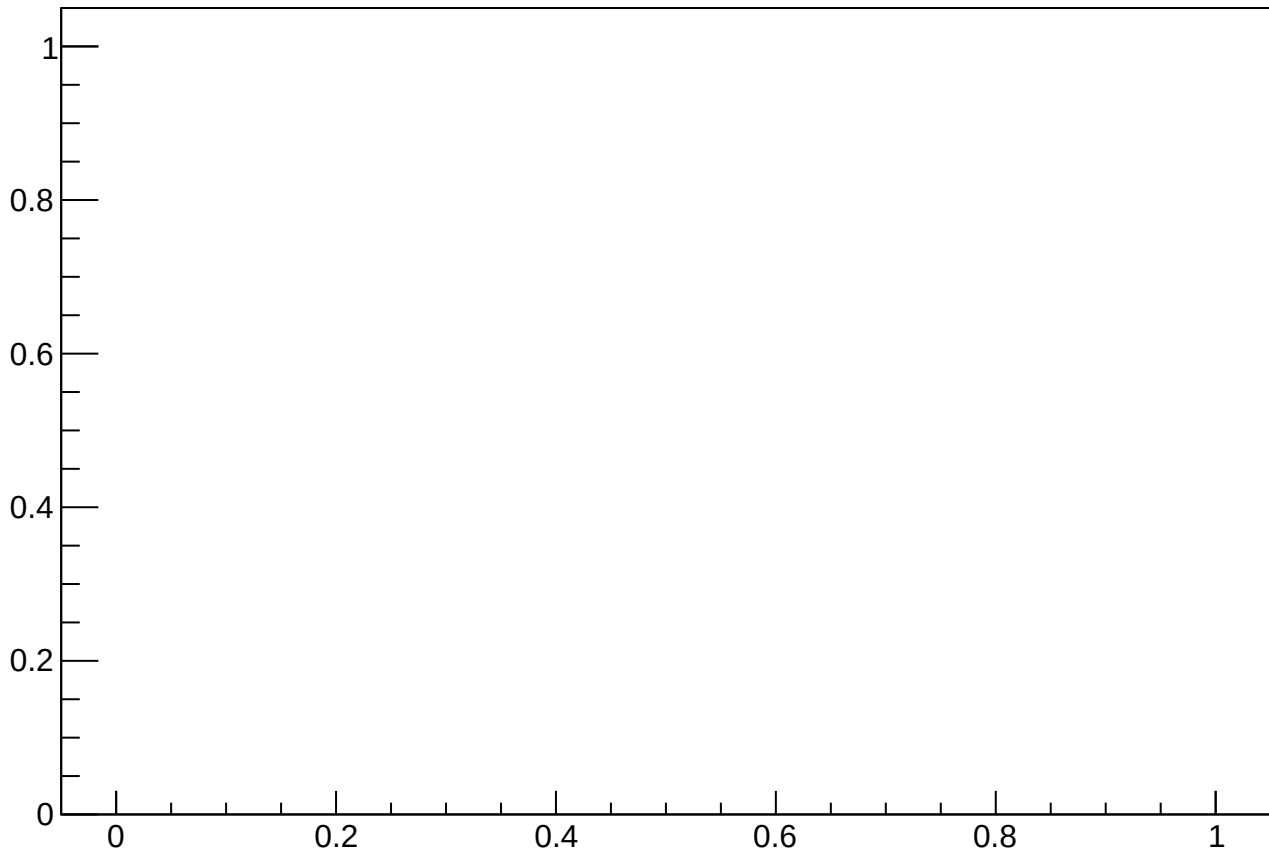
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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+/-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

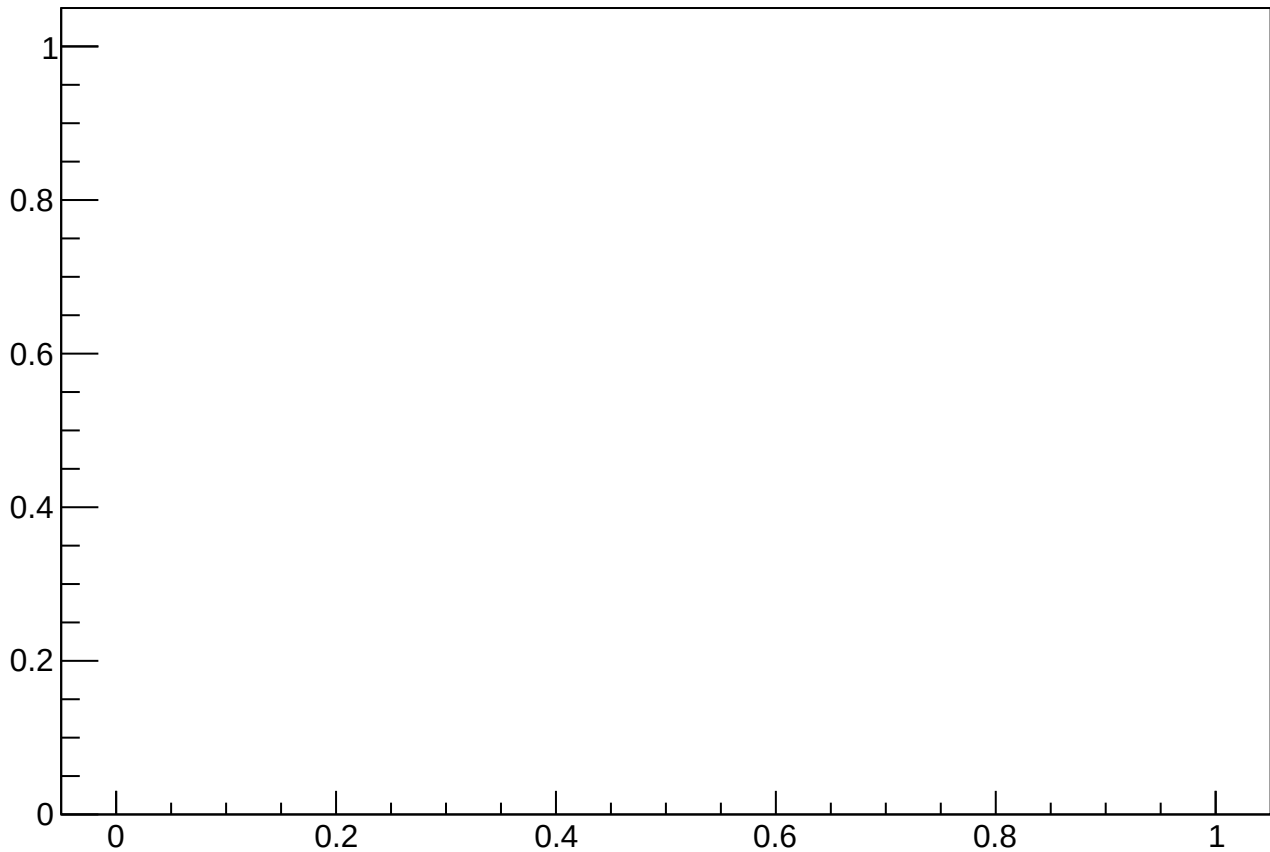
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_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

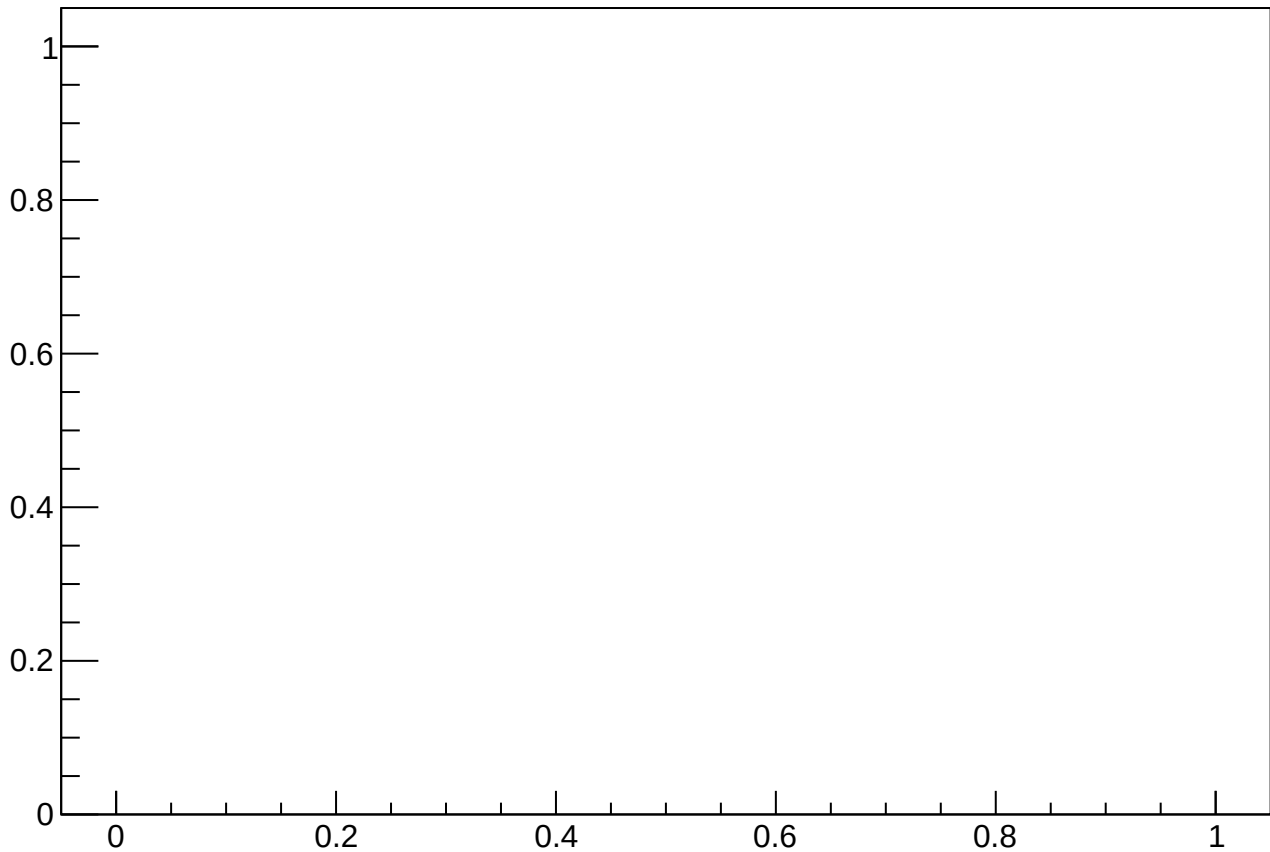
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

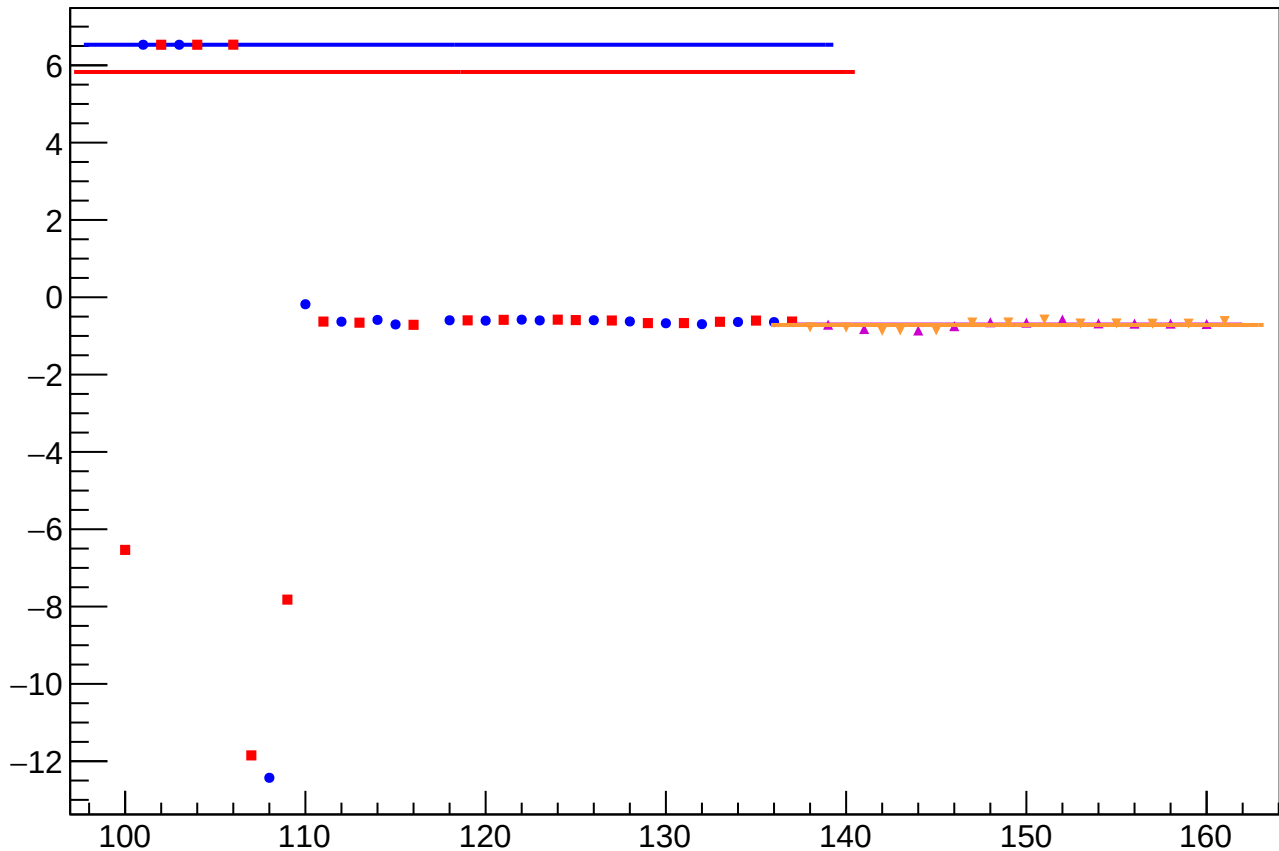
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -0.716+/-0.000 χ^2/NDF : 83243006.1/12

6.531+/-0.000 χ^2/NDF : 582737445266.4/29

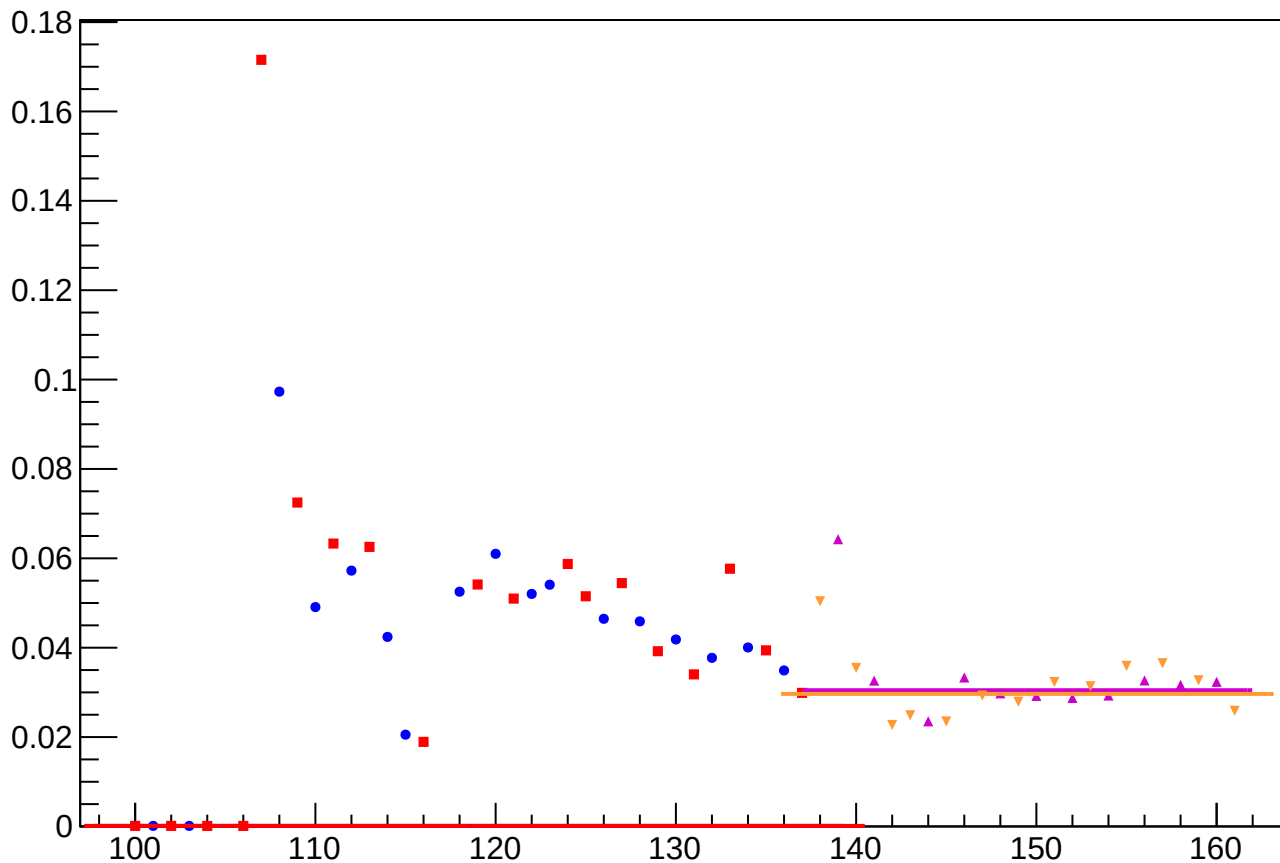
6.154+/-0.000 χ^2/NDF : 77686411881326

Right Out: 5.827+/-0.000 χ^2/NDF : 755963218053643.4/18

5.827+/-0.000 χ^2/NDF : 756289828930906.9/29

Left In: -0.706+/-0.000 χ^2/NDF : 54750716.8/10

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF : 548336.8/12

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

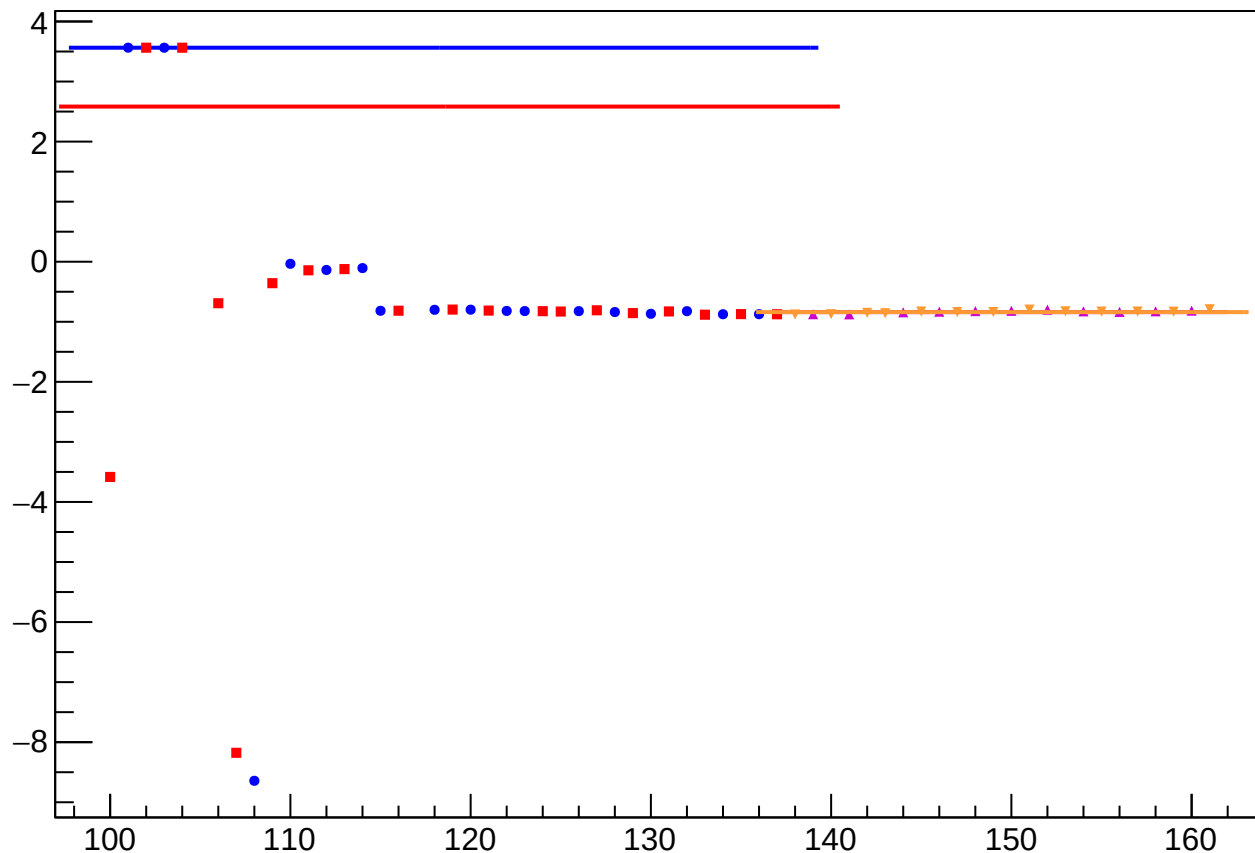
Left In: 0.030+/-0.000 χ^2/NDF : 534201.4/10

0.000+/-0.000 χ^2/NDF : 24562143.8/29

0.000+/-0.000 χ^2/NDF : 48552201.2/59

0.000+/-0.000 χ^2/NDF : 23989566.6/29

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.839+/-0.000 χ^2/NDF : 64897758.4/12

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

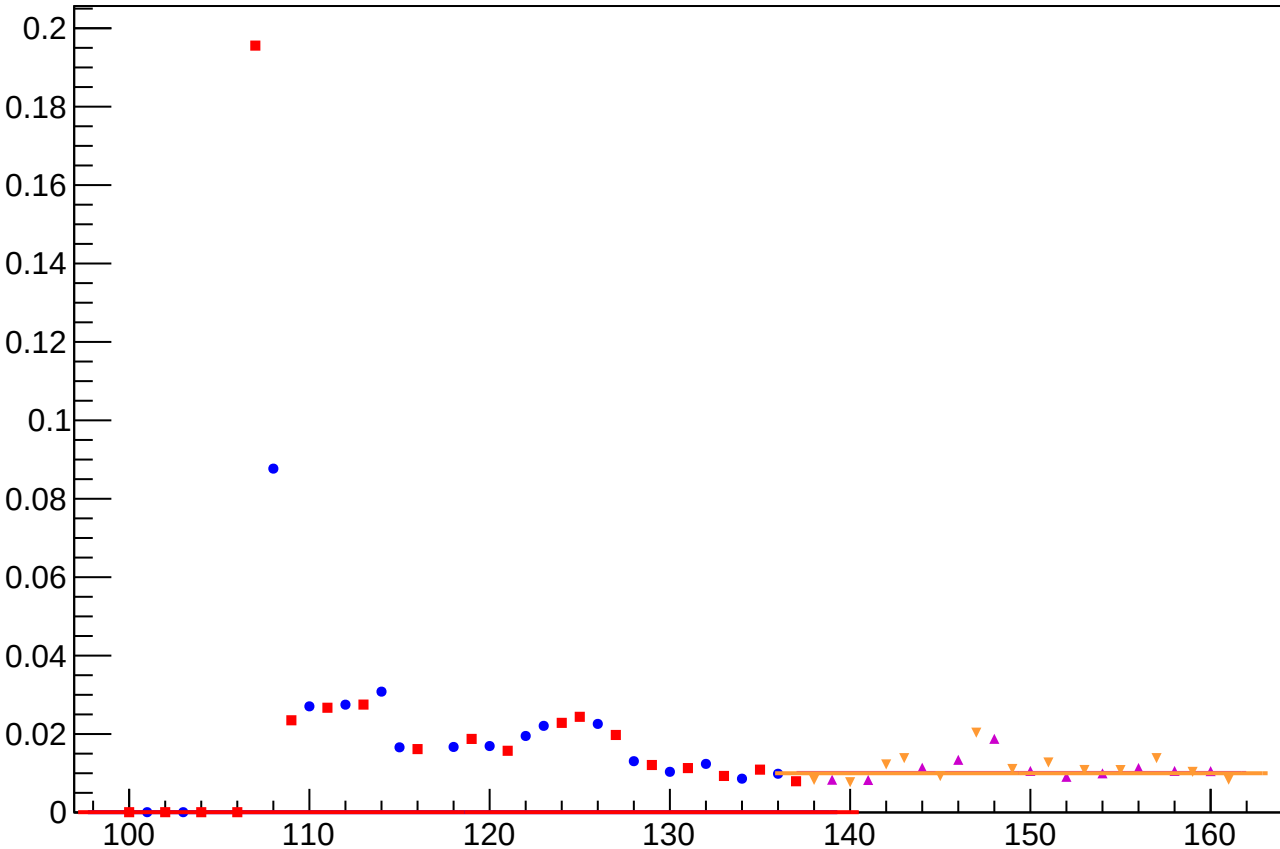
Left In: -0.839+/-0.000 χ^2/NDF : 51785361.7/10

3.562+/-0.000 χ^2/NDF : 1902278457095.2/29

3.039+/-0.000 χ^2/NDF : 13843626544934

2.583+/-0.000 χ^2/NDF : 1254284090132128.2/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:868018.3/12

Right Out: 0.000+/-0.000 χ^2 /NDF: 9861757.0/18

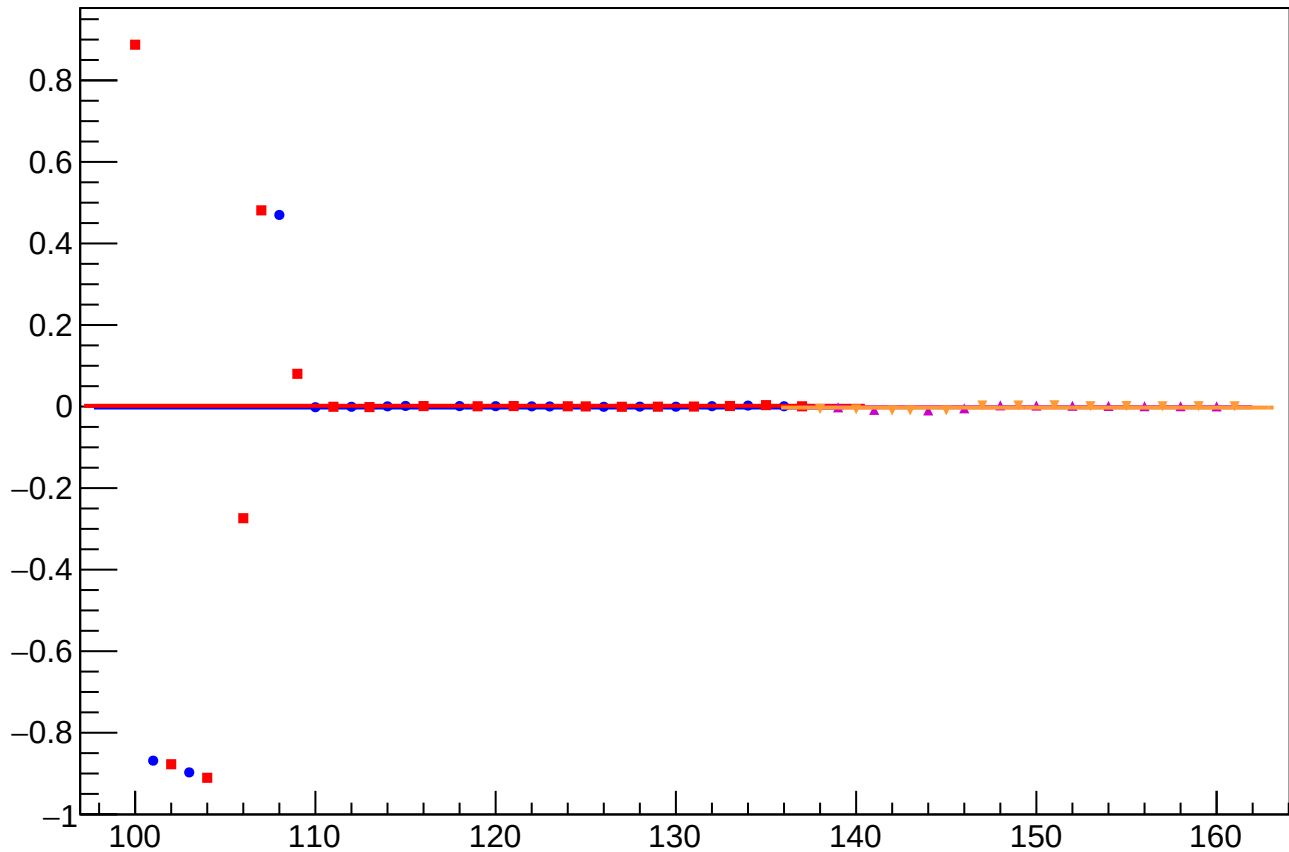
Left In: 0.010+/-0.000 χ^2/NDF :556406.6/10

0.000+/-0.000 χ^2/NDF : 25048031.9/29

0.000+/-0.000 χ^2/NDF : 48841661.8/59

0.000+/-0.000 χ^2/NDF : 23792955.7/29

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.002+/-0.000 χ^2/NDF : 81859088.3/12

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

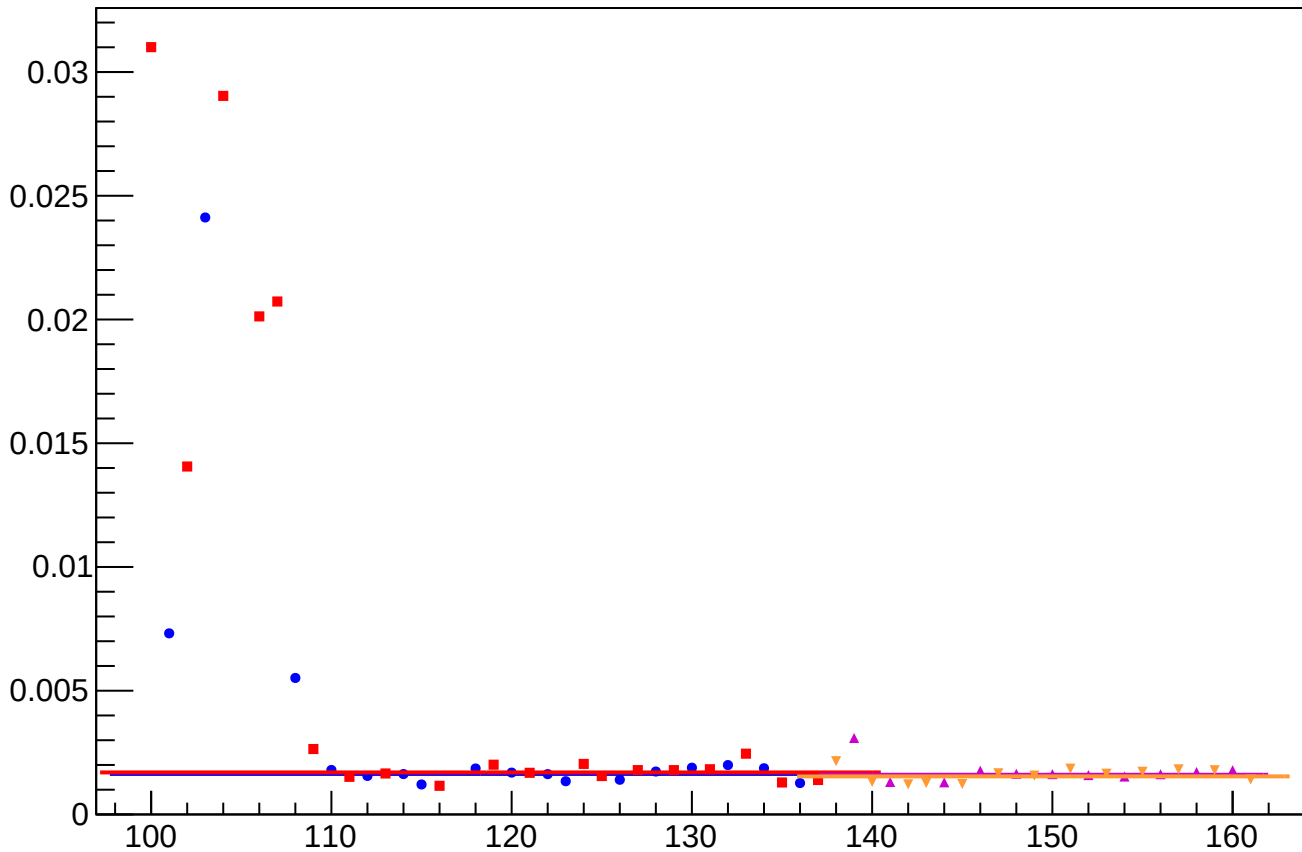
Left In: -0.002+/-0.000 χ^2/NDF : 58230076.9/10

-0.002+/-0.000 χ^2/NDF : 9876743203.6/29

-0.001+/-0.000 χ^2/NDF : 12997975673.0/5

-0.000+/-0.000 χ^2/NDF : 3111382186.9/29

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 414197.3/12

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

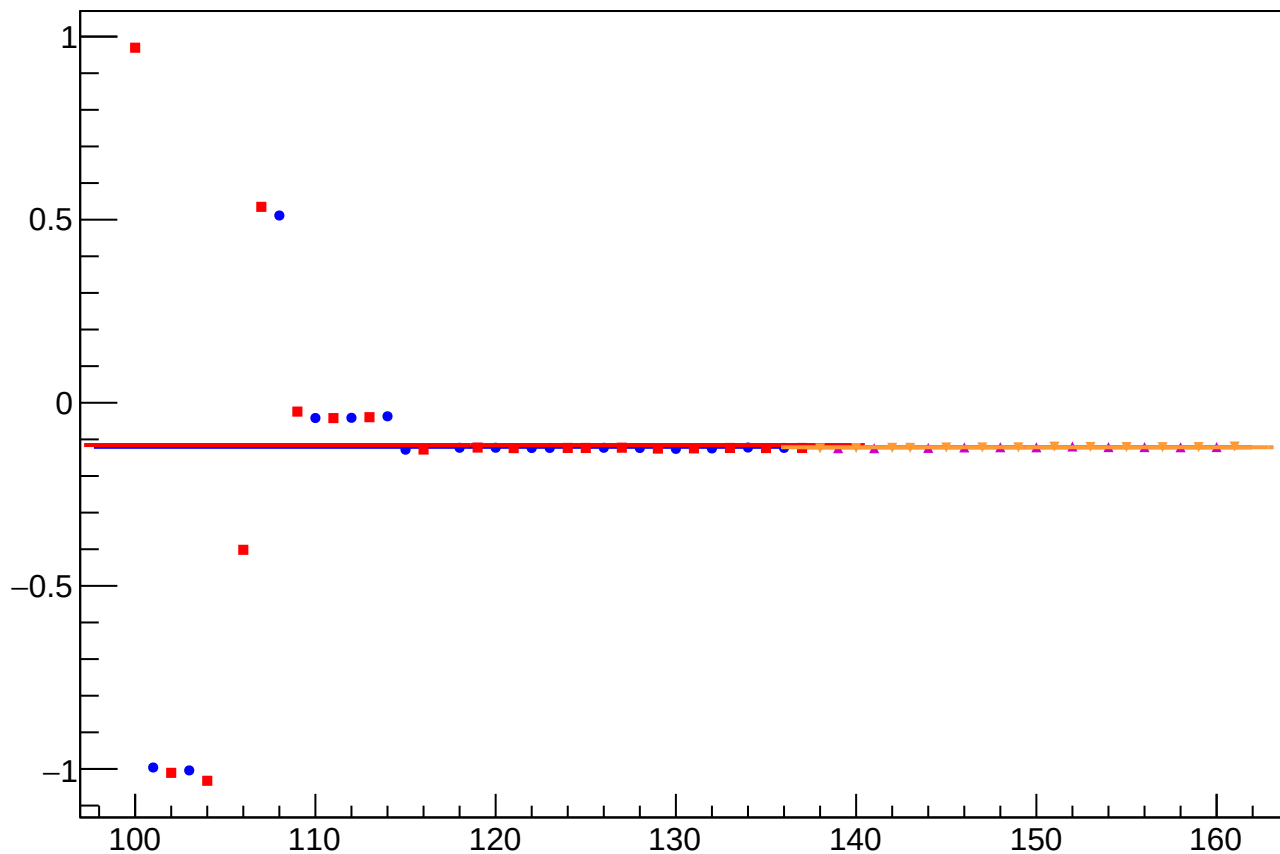
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 494704.5/10

0.002 $\pm$ 0.000 χ^2 /NDF: 2352243.3/29

0.002 $\pm$ 0.000 χ^2 /NDF: 5907622.5/59

0.002 $\pm$ 0.000 χ^2 /NDF: 3536207.6/29

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.122+/-0.000 χ^2/NDF : 14173838.8/12

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

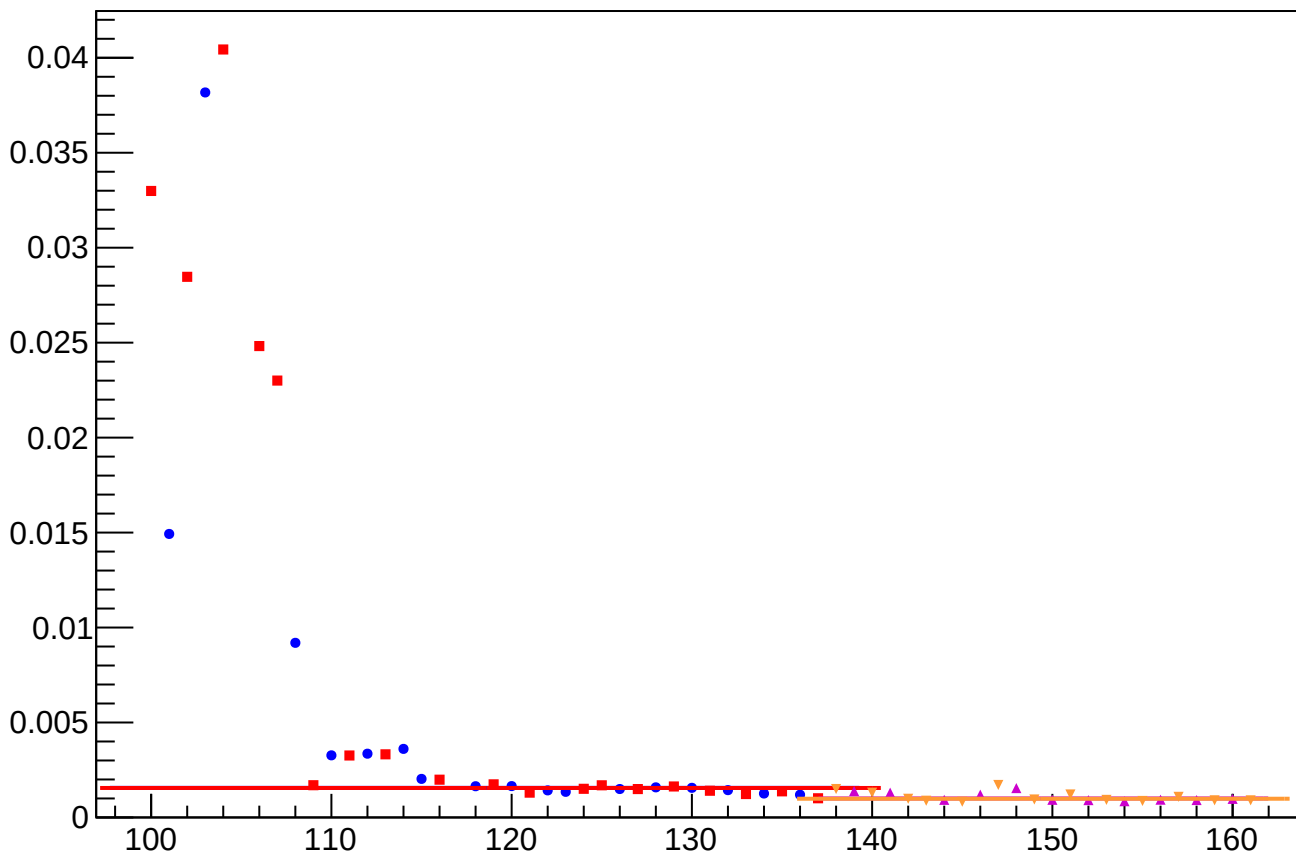
Left In: -0.122+/-0.000 χ^2/NDF : 13147452.8/10

-0.121+/-0.000 χ^2/NDF : 3948565086.9/29

-0.121+/-0.000 χ^2/NDF : 6480560940.3/50

-0.120+/-0.000 χ^2/NDF : 2527424966.9/29

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 697830.9/12

Right Out: 0.002+/-0.000 χ^2/NDF : 3539455.6/18

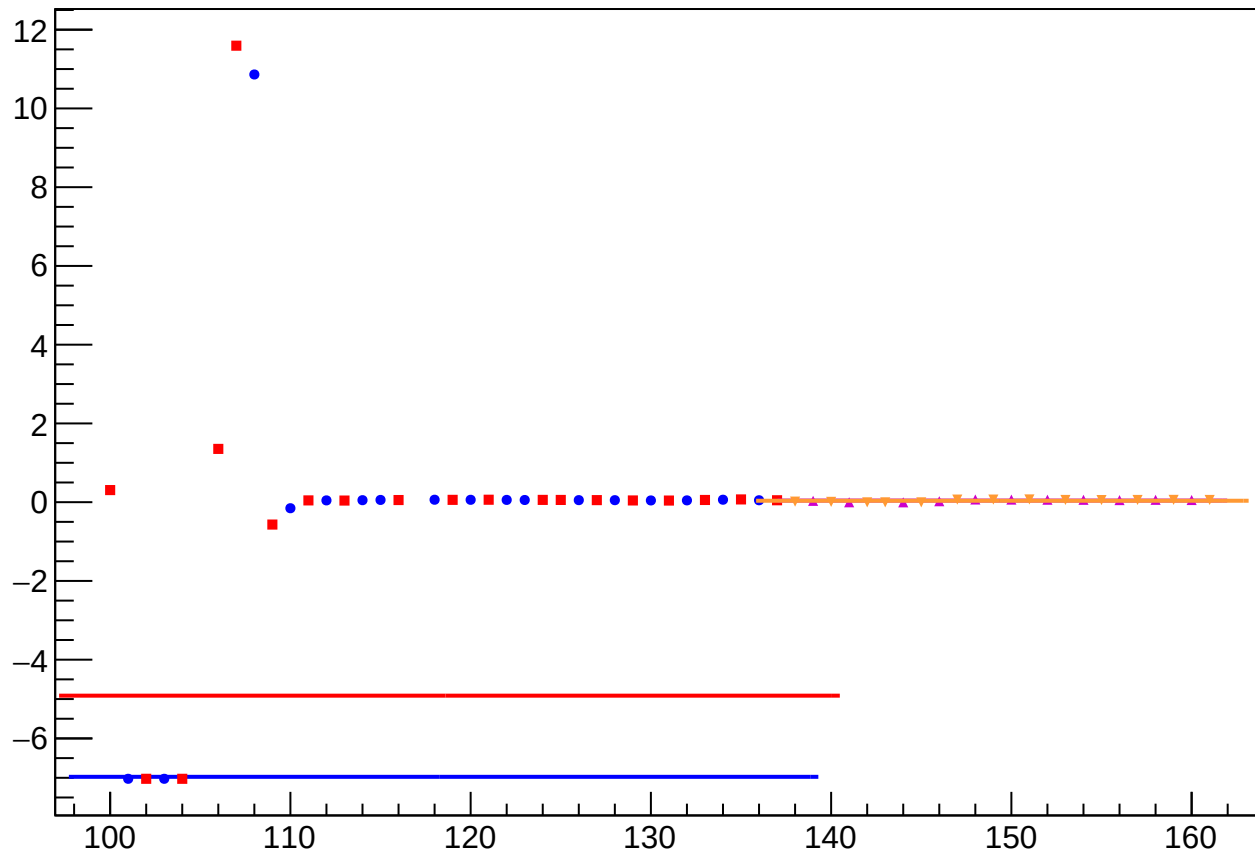
Left In: 0.001+/-0.000 χ^2/NDF : 515266.2/10

0.001+/-0.000 χ^2/NDF : 4614887.0/29

0.001+/-0.000 χ^2/NDF : 9613169.8/59

0.001+/-0.000 χ^2/NDF : 4994267.3/29

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.036+/-0.000 χ^2/NDF : 82854358.1/12

Right Out: -4.914+/-0.000 χ^2/NDF : 365358092730279.9/18

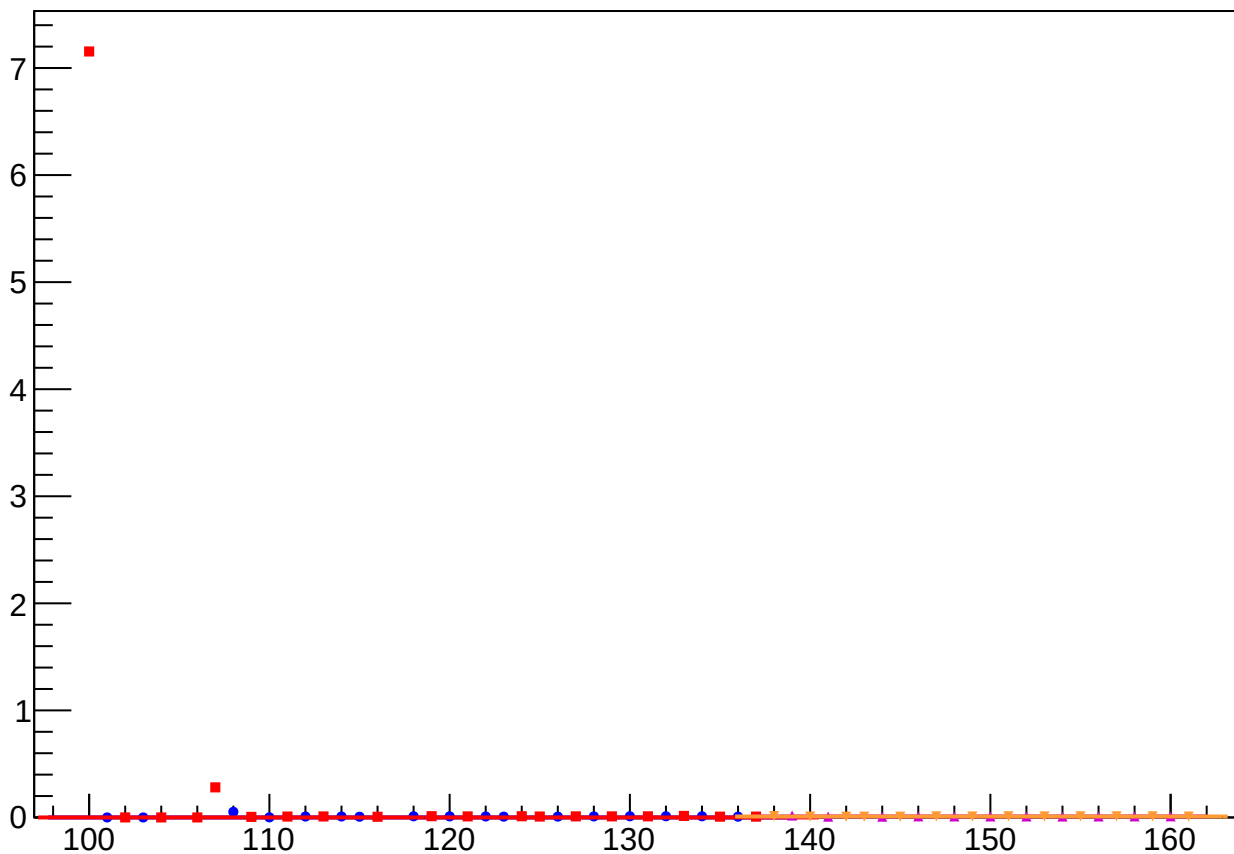
Left In: 0.041+/-0.000 χ^2/NDF : 64133554.3/10

-6.950+/-0.000 χ^2/NDF : 13270734935452.6/29

-5.880+/-0.000 χ^2/NDF : 4363870756181

-4.899+/-0.000 χ^2/NDF : 367332480506133.6/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8242728.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:408073.7/12

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8775982.6/18

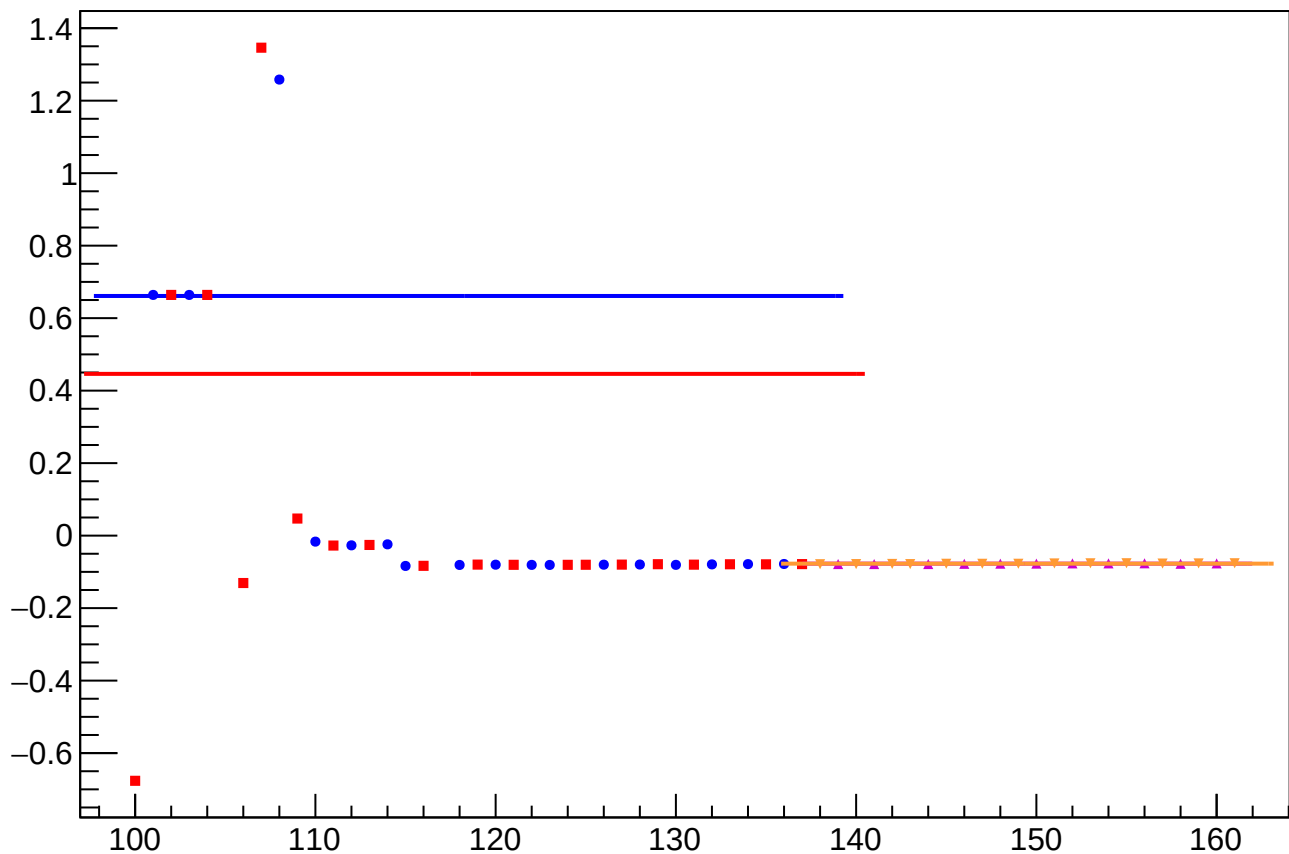
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:497425.3/10

0.000 $\pm$ 0.000 χ^2 /NDF: 23196985.8/29

0.000 $\pm$ 0.000 χ^2 /NDF: 46123033.3/59

0.000 $\pm$ 0.000 χ^2 /NDF: 22924010.7/29

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.077+/-0.000 χ^2/NDF : 23964148.7/12

Right Out: 0.446+/-0.000 χ^2/NDF : 405416924315199.0/18

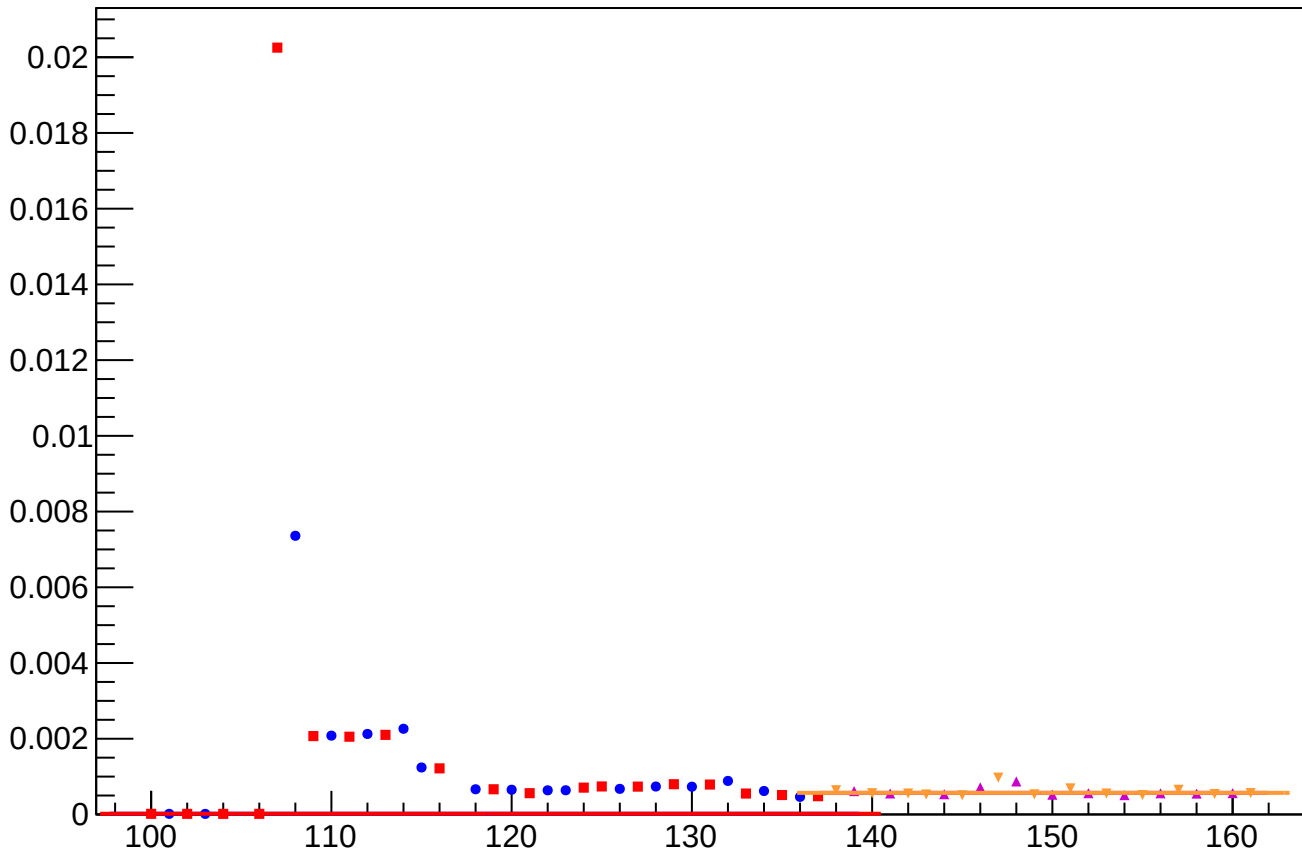
Left In: -0.077+/-0.000 χ^2/NDF : 16545038.0/10

0.653+/-0.000 χ^2/NDF : 20771046507947.2/29

0.543+/-0.000 χ^2/NDF : 49506320466795

0.441+/-0.000 χ^2/NDF : 412556925779067.2/29

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 : 407002.5/12

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

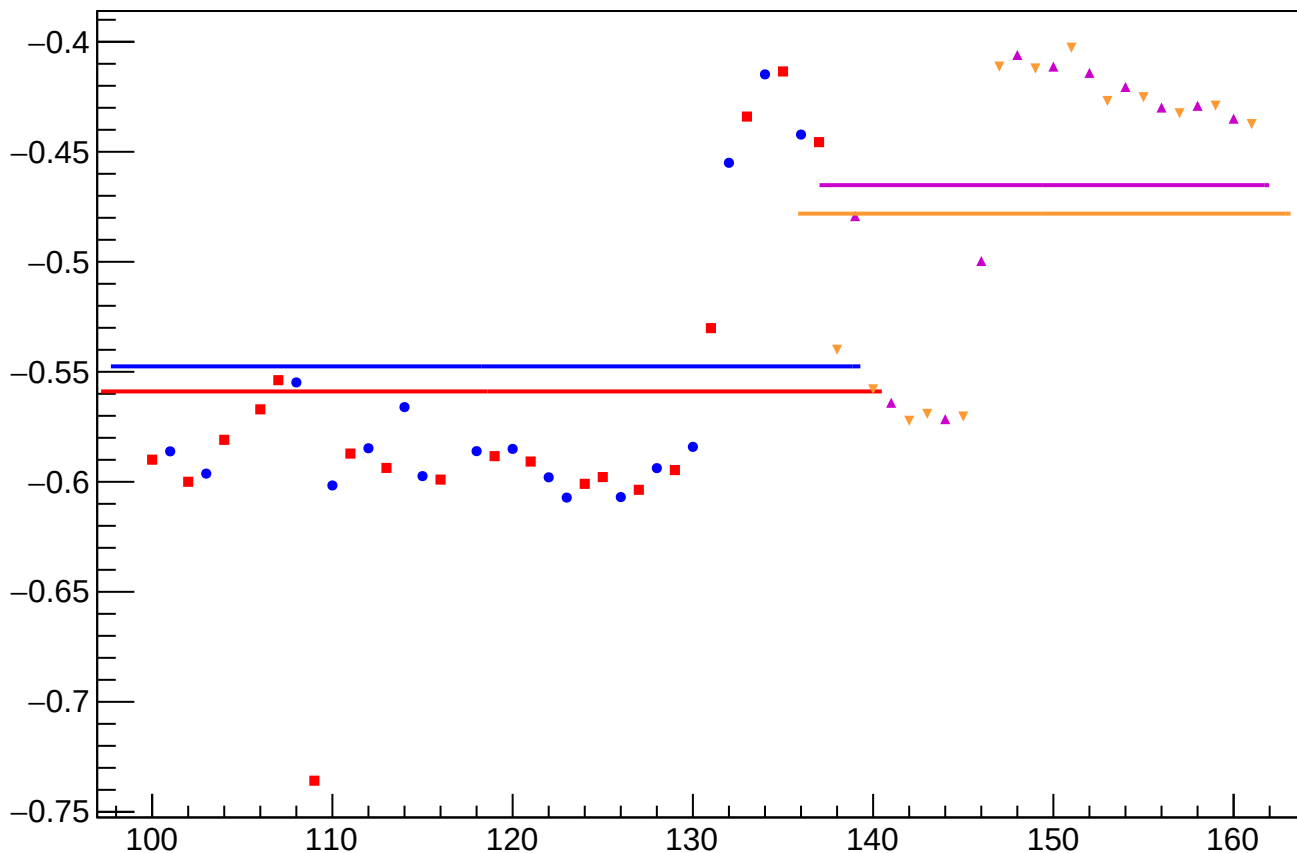
Left In: 0.001+/-0.000 χ^2/NDF : 304077.9/10

0.000+/-0.000 χ^2/NDF : 27239935.9/29

0.000+/-0.000 χ^2/NDF : 52895443.6/59

0.000+/-0.000 χ^2/NDF : 25653248.5/29

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548 $\pm$ 0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.478 $\pm$ 0.000 χ^2/NDF : 91927769.6/12

Right Out: -0.559 $\pm$ 0.000 χ^2/NDF : 65330923.3/18

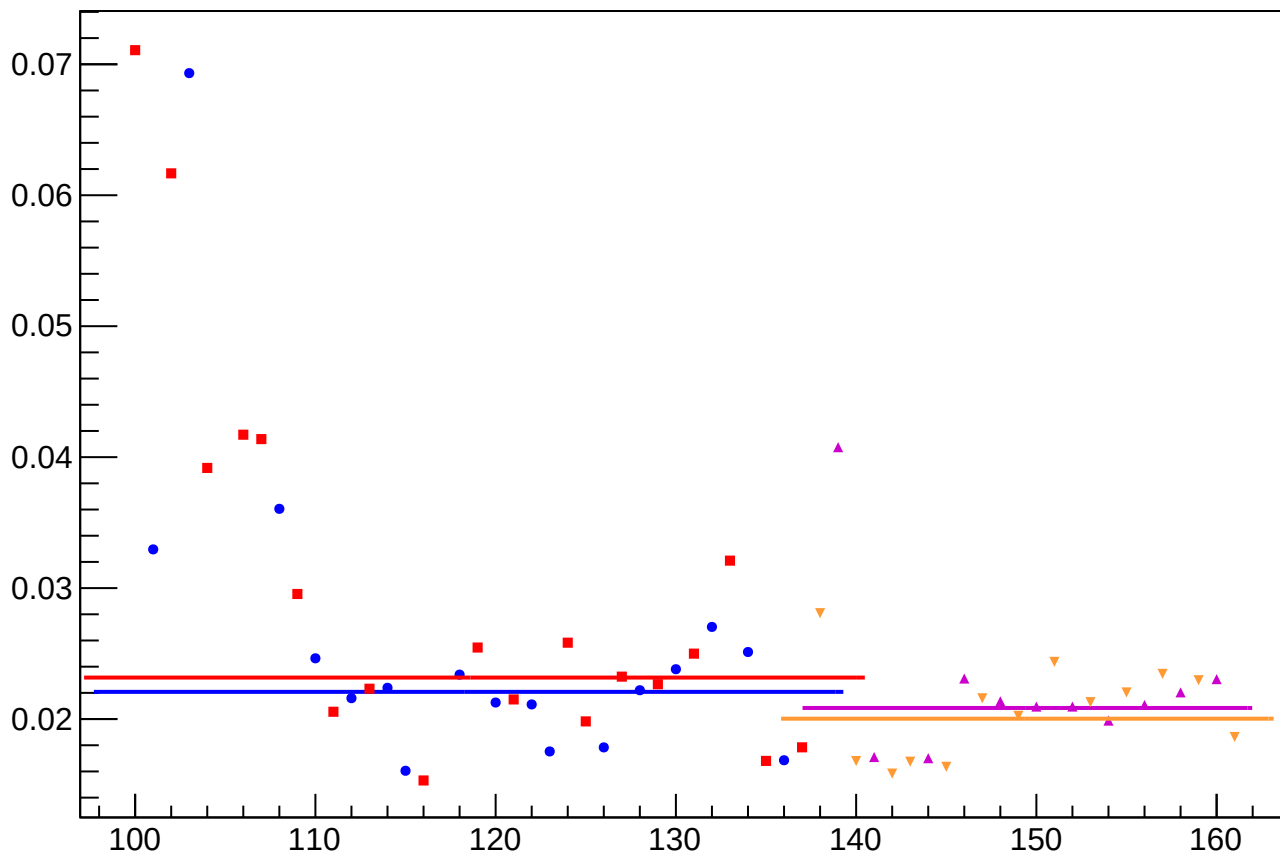
Left In: -0.465 $\pm$ 0.000 χ^2/NDF : 67326477.7/10

-0.503 $\pm$ 0.000 χ^2/NDF : 172684779.1/29

-0.502 $\pm$ 0.000 χ^2/NDF : 359614838.0/59

-0.501 $\pm$ 0.000 χ^2/NDF : 186868101.6/29

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 390050.5/12

Right Out: 0.023 $\pm$ 0.000 χ^2/NDF : 1156758.3/18

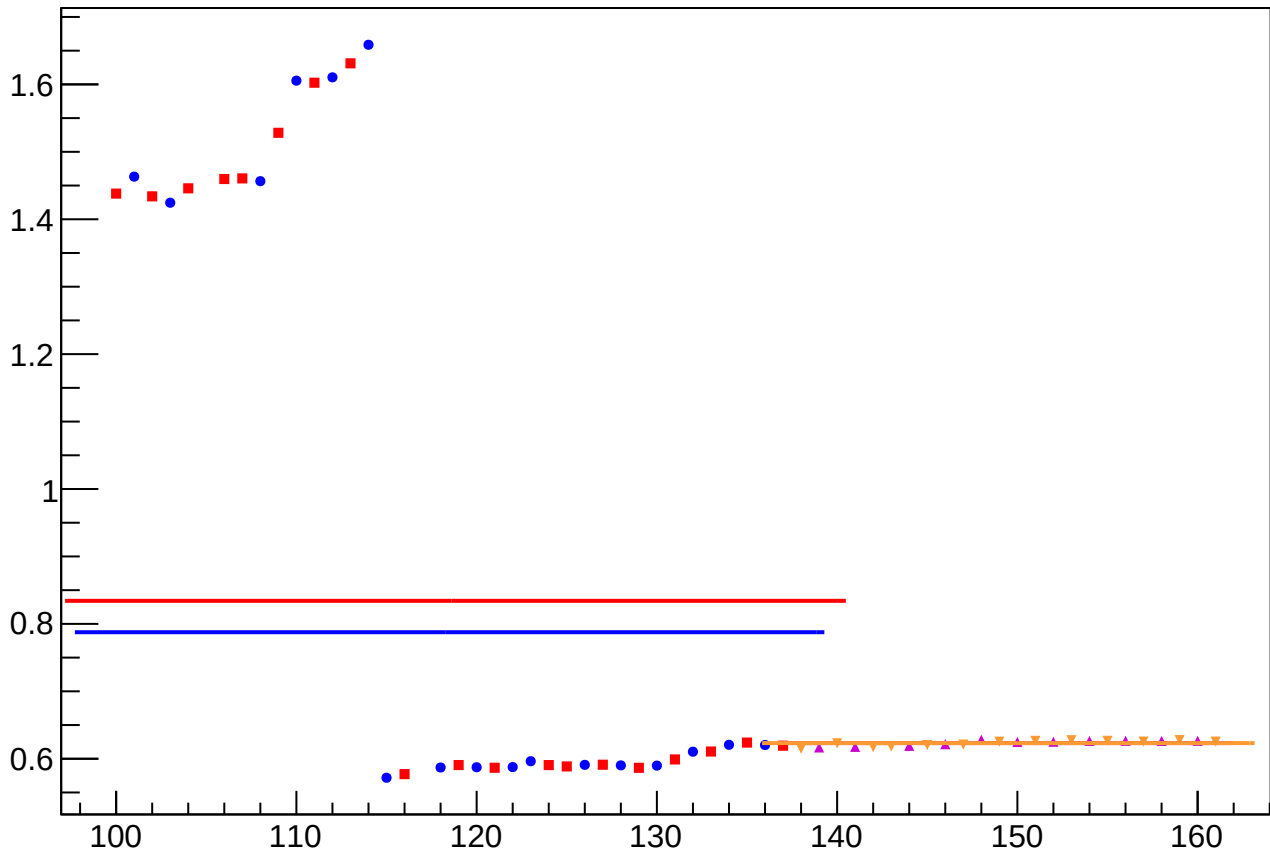
Left In: 0.021 $\pm$ 0.000 χ^2/NDF : 496064.8/10

0.021 $\pm$ 0.000 χ^2/NDF : 1400883.2/29

0.021 $\pm$ 0.000 χ^2/NDF : 3146169.9/59

0.022 $\pm$ 0.000 χ^2/NDF : 1719303.5/29

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.623 $\pm$ 0.000 χ^2 /NDF:986855.6/12

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

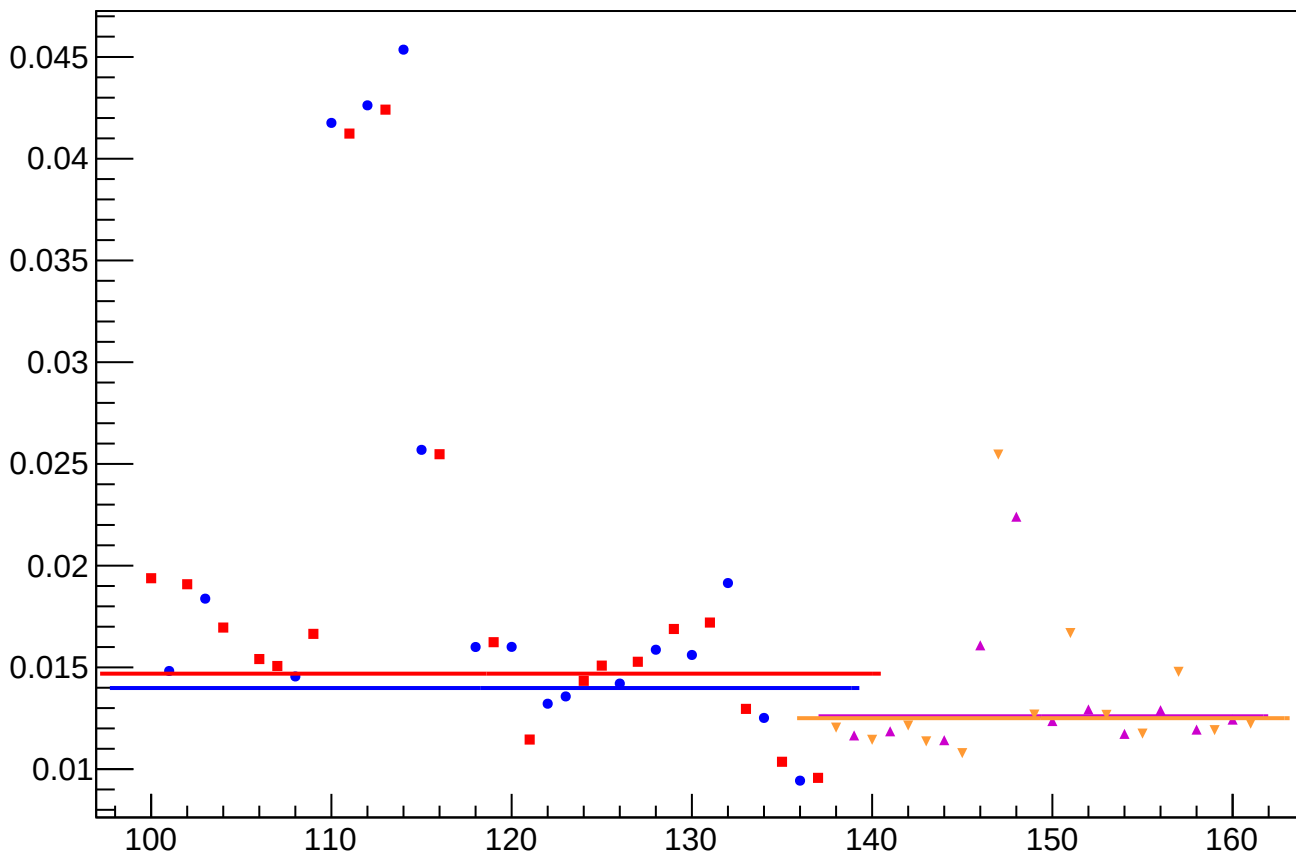
Left In: 0.623 $\pm$ 0.000 χ^2 /NDF:825631.6/10

0.677 $\pm$ 0.000 χ^2 /NDF: 4103027319.1/29

0.686 $\pm$ 0.000 χ^2 /NDF: 9084760476.3/59

0.695 $\pm$ 0.000 χ^2 /NDF: 4968277562.7/29

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.013+/-0.000 χ^2/NDF : 588310.1/12

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

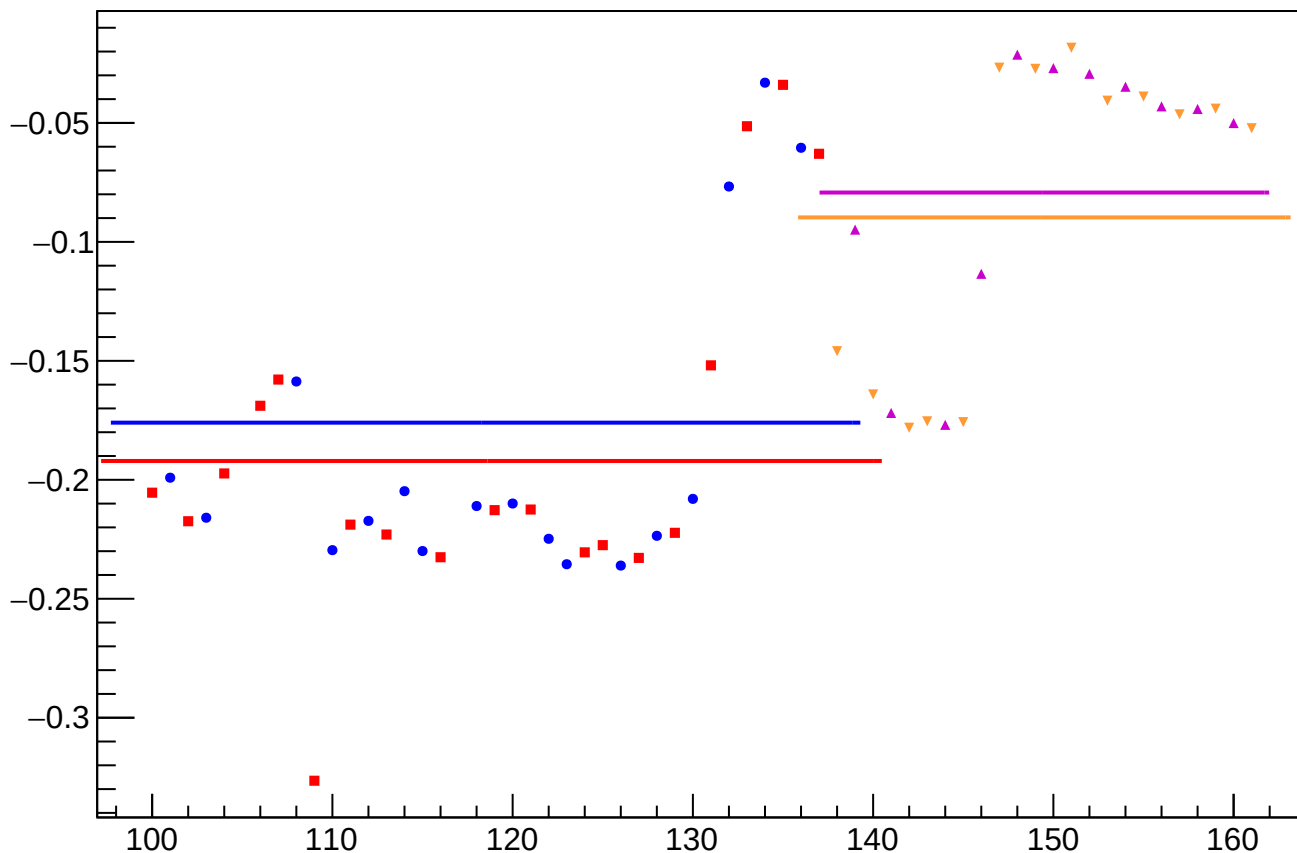
Left In: 0.013+/-0.000 χ^2/NDF : 409418.1/10

0.013+/-0.000 χ^2/NDF : 2071366.6/29

0.013+/-0.000 χ^2/NDF : 3908721.9/59

0.013+/-0.000 χ^2/NDF : 1828743.1/29

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.090+/-0.000 χ^2/NDF : 88594803.5/12

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

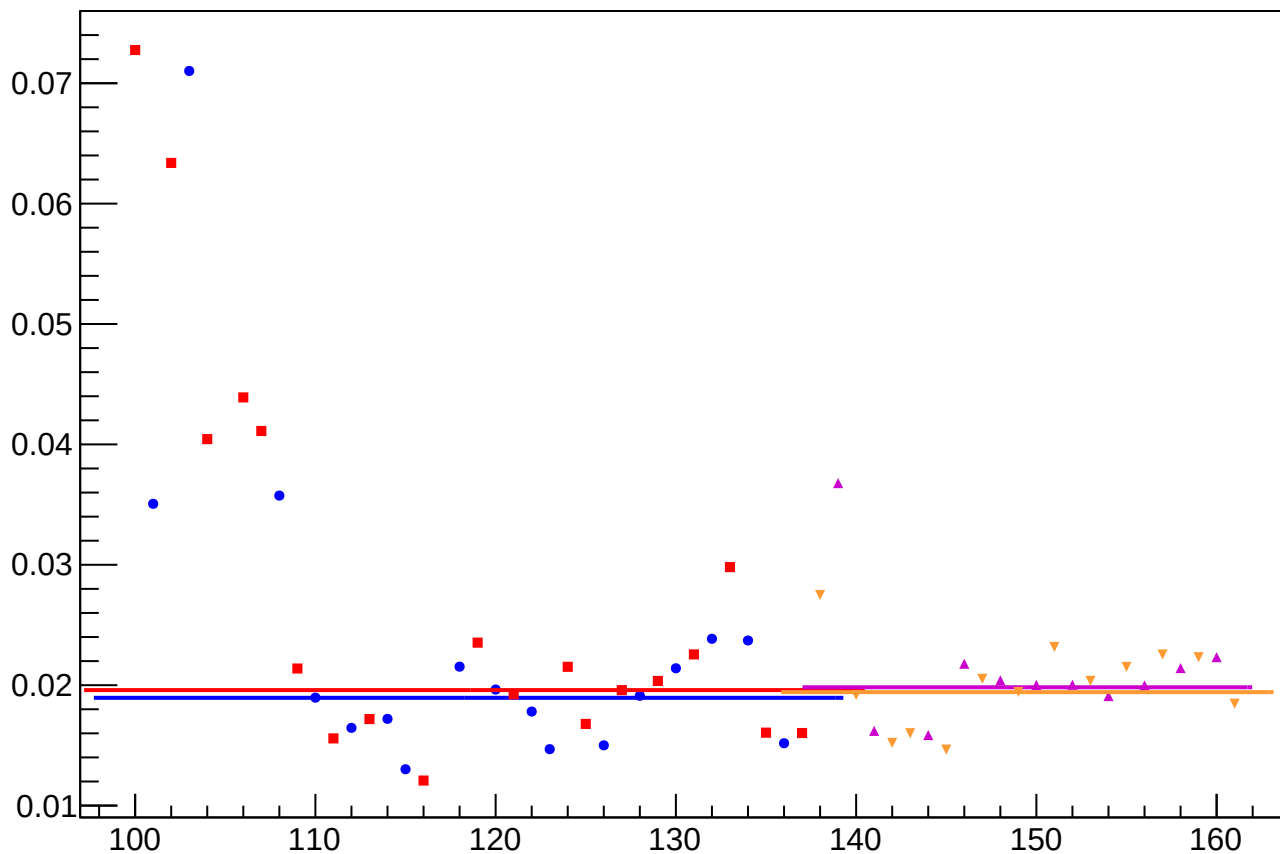
Left In: -0.079+/-0.000 χ^2/NDF : 68355179.8/10

-0.125+/-0.000 χ^2/NDF : 219835347.2/29

-0.126+/-0.000 χ^2/NDF : 470186659.0/59

-0.127+/-0.000 χ^2/NDF : 250222343.8/29

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 415978.7/12

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

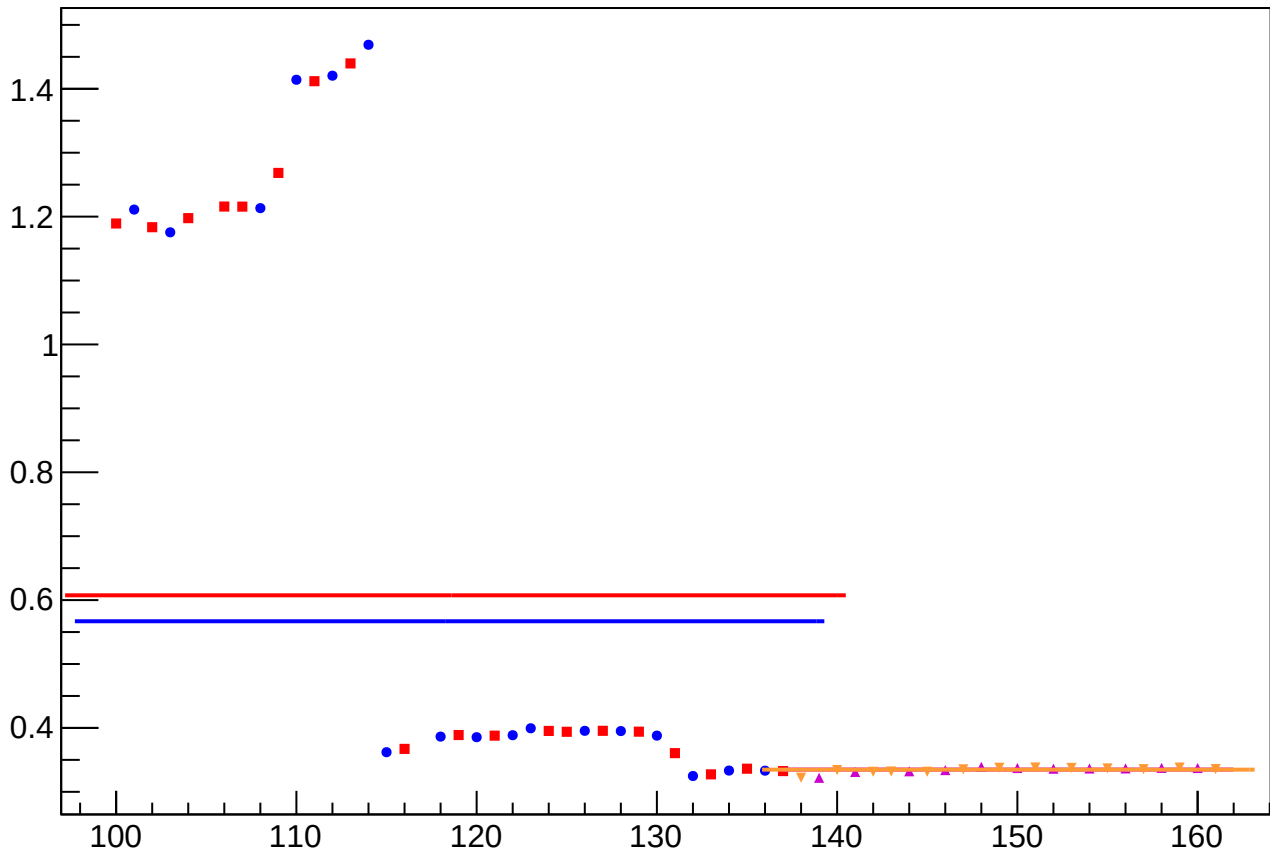
Left In: 0.020+/-0.000 χ^2/NDF : 483049.8/10

0.019+/-0.000 χ^2/NDF : 1622877.2/29

0.019+/-0.000 χ^2/NDF : 3570140.3/59

0.020+/-0.000 χ^2/NDF : 1939229.3/29

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1065647.5/12

0.414 $\pm$ 0.000 χ^2 /NDF: 6367503070.9/29

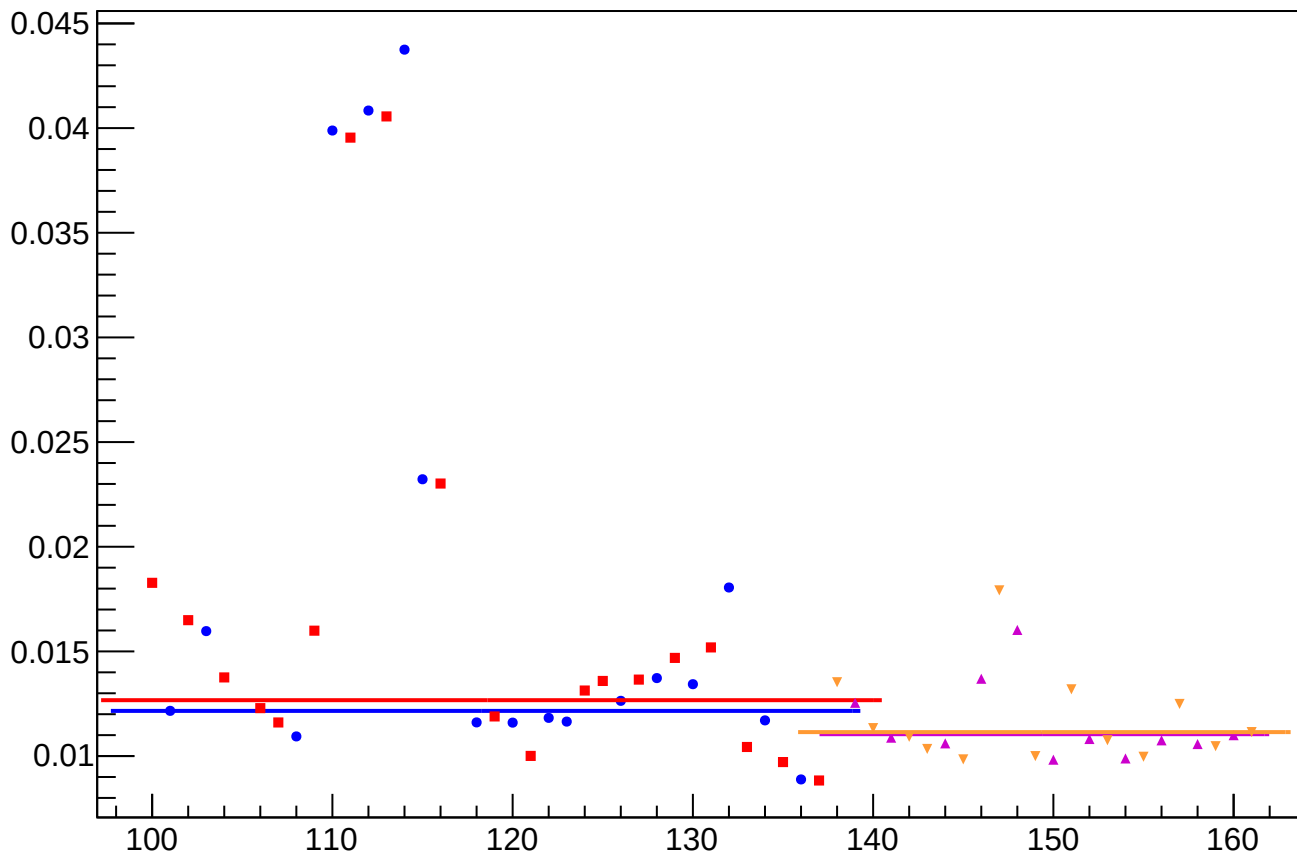
Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

0.421 $\pm$ 0.000 χ^2 /NDF: 13675888331.2/5

0.428 $\pm$ 0.000 χ^2 /NDF: 7296260813.4/29

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF: 1150530.3/10

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 394865.2/12

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1267219.4/18

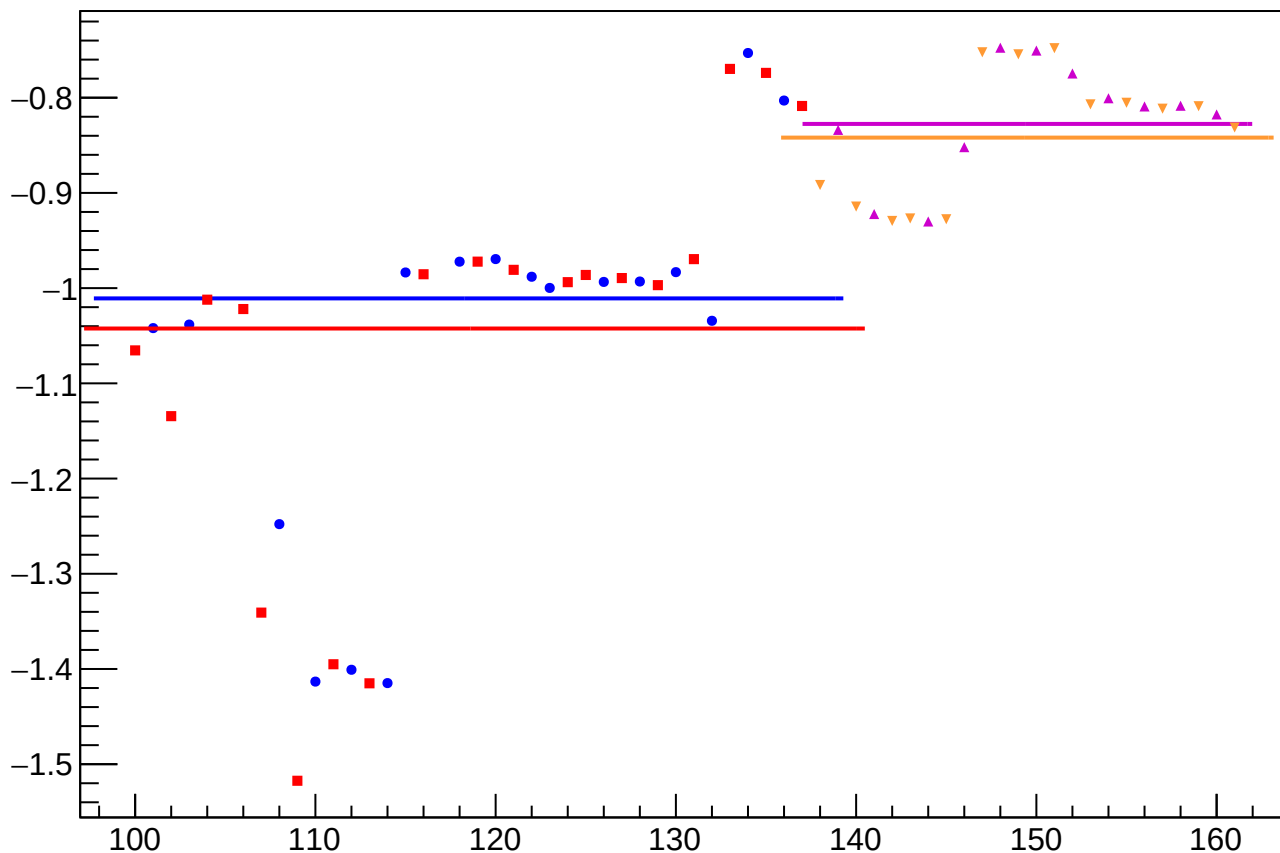
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 282100.7/10

0.011 $\pm$ 0.000 χ^2/NDF : 1754184.6/29

0.012 $\pm$ 0.000 χ^2/NDF : 3431934.9/59

0.012 $\pm$ 0.000 χ^2/NDF : 1676326.1/29

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011 $\pm$ 0.000 χ^2 /NDF: 387140230.3/16

Left Out: -0.842 $\pm$ 0.000 χ^2 /NDF: 91637790.9/12

Right Out: -1.042 $\pm$ 0.000 χ^2 /NDF: 528958824.5/18

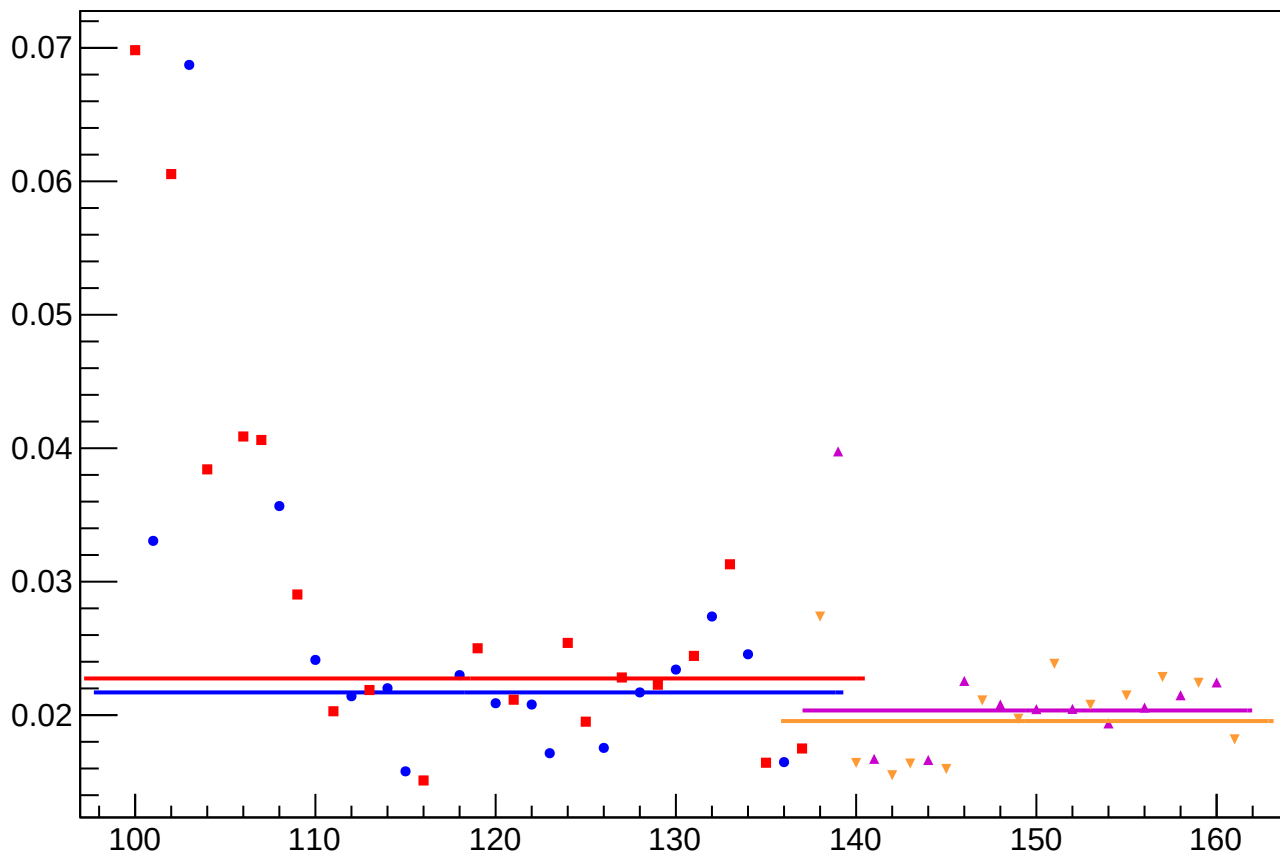
Left In: -0.828 $\pm$ 0.000 χ^2 /NDF: 70001639.3/10

-0.901 $\pm$ 0.000 χ^2 /NDF: 676759010.5/29

-0.904 $\pm$ 0.000 χ^2 /NDF: 1572760634.4/50

-0.908 $\pm$ 0.000 χ^2 /NDF: 895324420.4/29

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 388071.6/12

Right Out: 0.023 $\pm$ 0.000 χ^2/NDF : 1152332.6/18

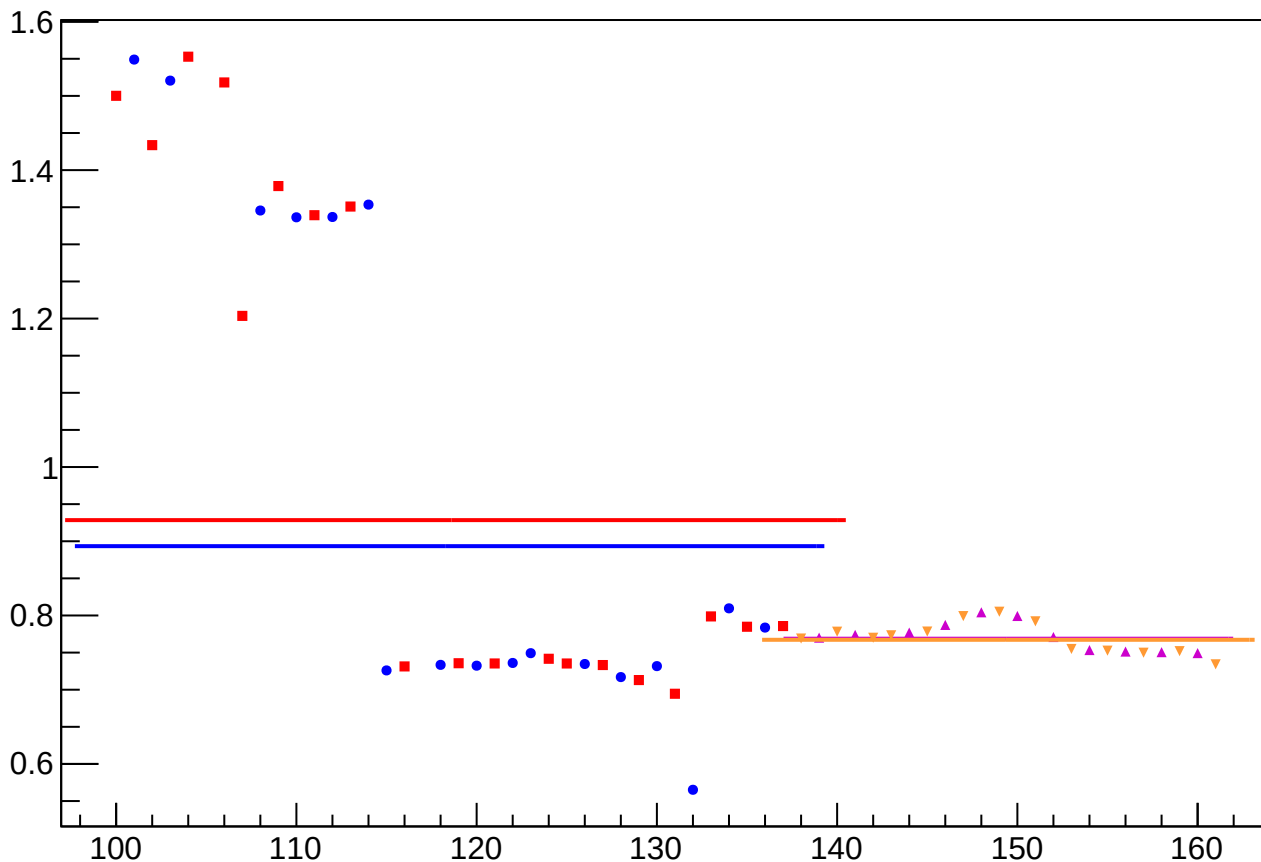
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 492860.9/10

0.020 $\pm$ 0.000 χ^2/NDF : 1431297.4/29

0.021 $\pm$ 0.000 χ^2/NDF : 3175798.5/59

0.021 $\pm$ 0.000 χ^2/NDF : 1719039.7/29

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.767+/-0.000 χ^2/NDF : 21511774.8/12

Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

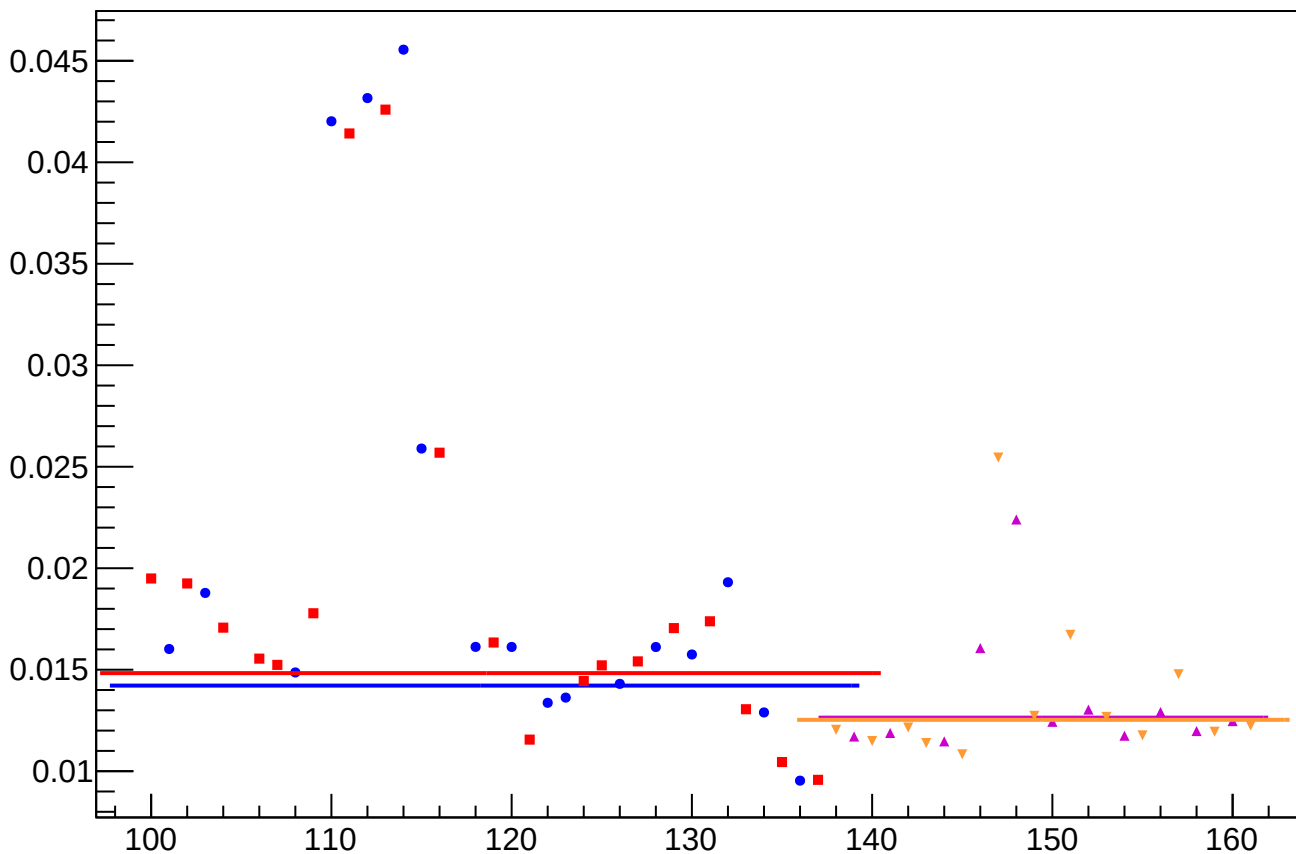
Left In: 0.769+/-0.000 χ^2/NDF : 15270891.4/10

0.808+/-0.000 χ^2/NDF : 2727689856.4/29

0.815+/-0.000 χ^2/NDF : 5647185209.5/59

0.823+/-0.000 χ^2/NDF : 2910411087.0/29

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 583753.5/12

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1269559.2/18

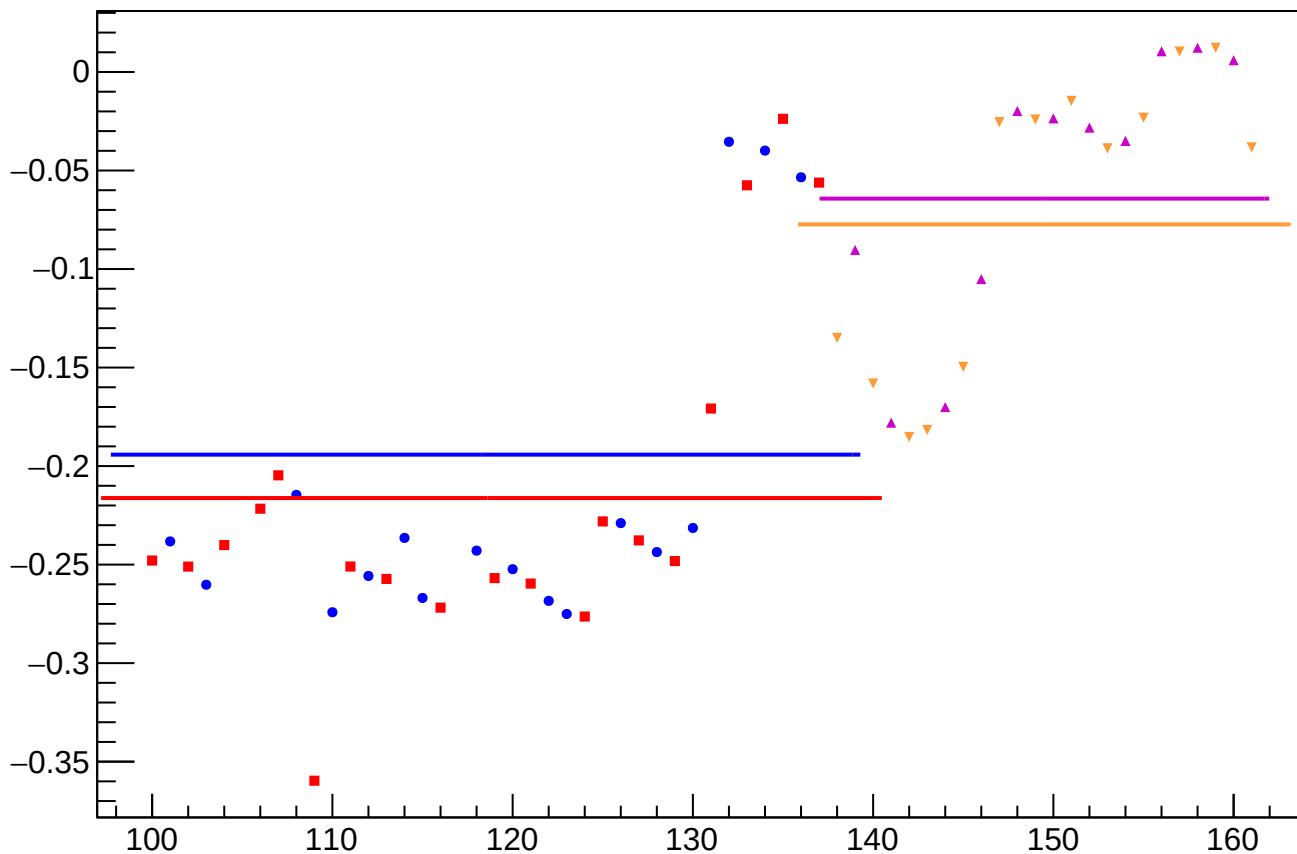
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 405091.2/10

0.013 $\pm$ 0.000 χ^2 /NDF: 2099989.2/29

0.013 $\pm$ 0.000 χ^2 /NDF: 3955687.2/59

0.013 $\pm$ 0.000 χ^2 /NDF: 1847962.9/29

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.077+/-0.000 χ^2/NDF : 106900254.2/12

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

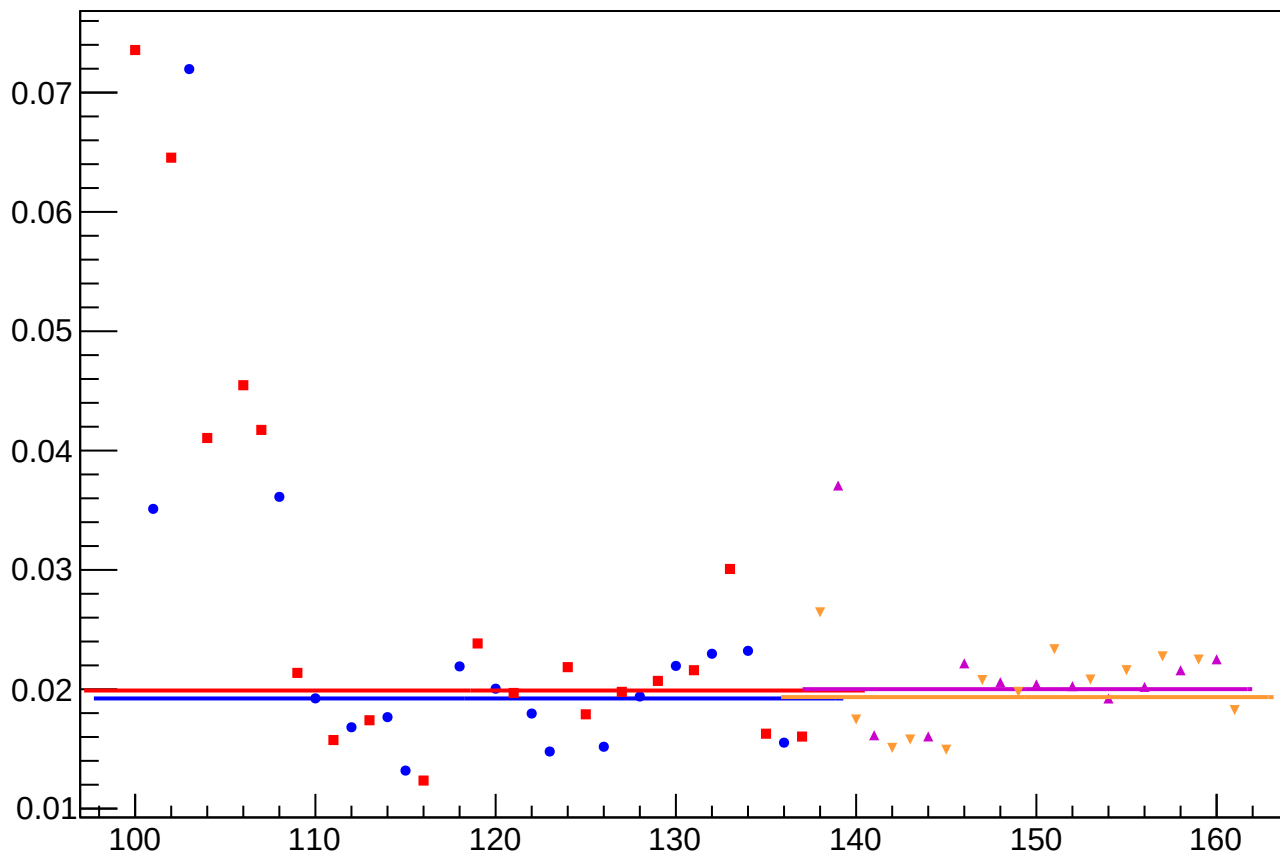
Left In: -0.064+/-0.000 χ^2/NDF : 93366964.2/10

-0.124+/-0.000 χ^2/NDF : 325666200.7/29

-0.126+/-0.000 χ^2/NDF : 704672802.2/59

-0.128+/-0.000 χ^2/NDF : 378637392.2/29

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 : 417862.5/12

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

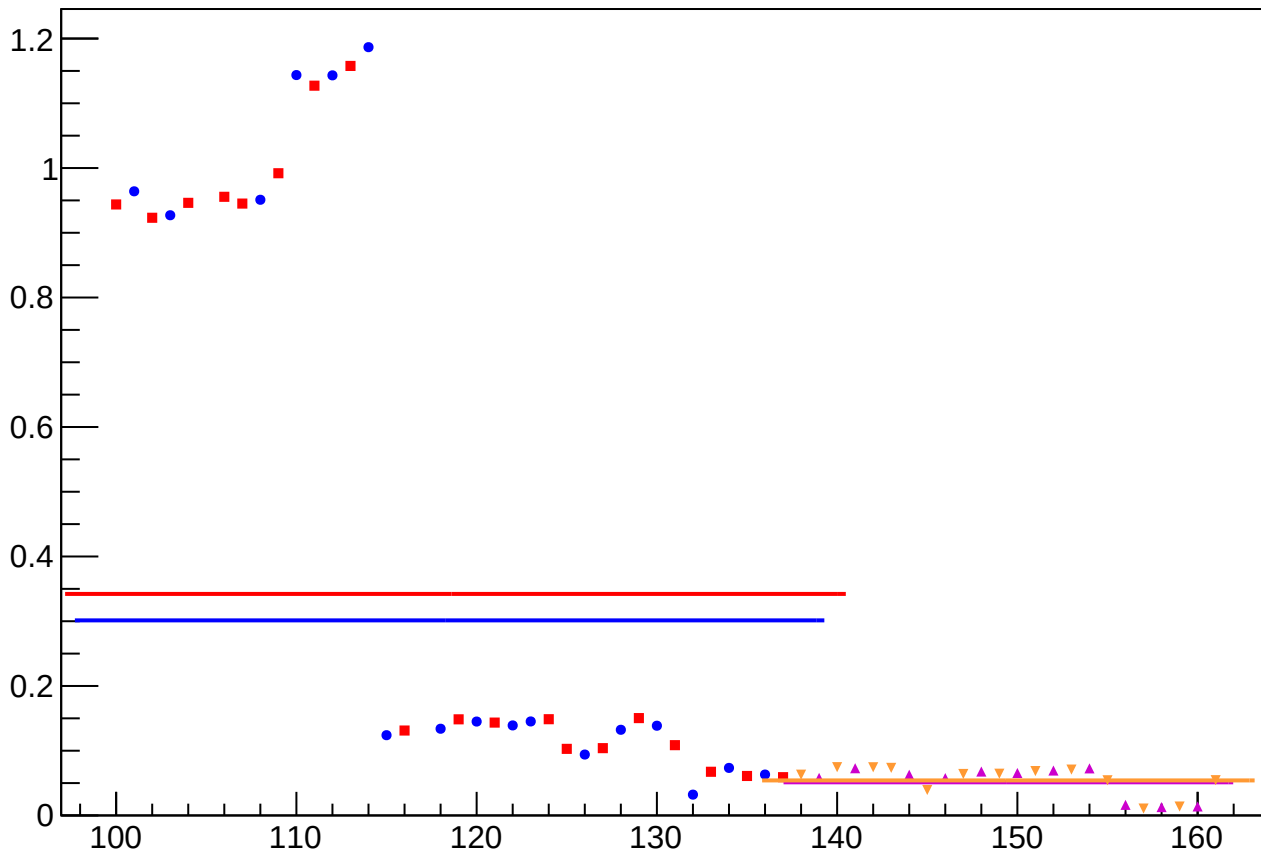
Left In: 0.020+/-0.000 χ^2/NDF : 490386.4/10

0.019+/-0.000 χ^2/NDF : 1592649.3/29

0.020+/-0.000 χ^2/NDF : 3541849.8/59

0.020+/-0.000 χ^2/NDF : 1935024.5/29

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.054+/-0.000 χ^2/NDF : 34623961.3/12

0.136+/-0.000 χ^2/NDF : 6756360079.7/29

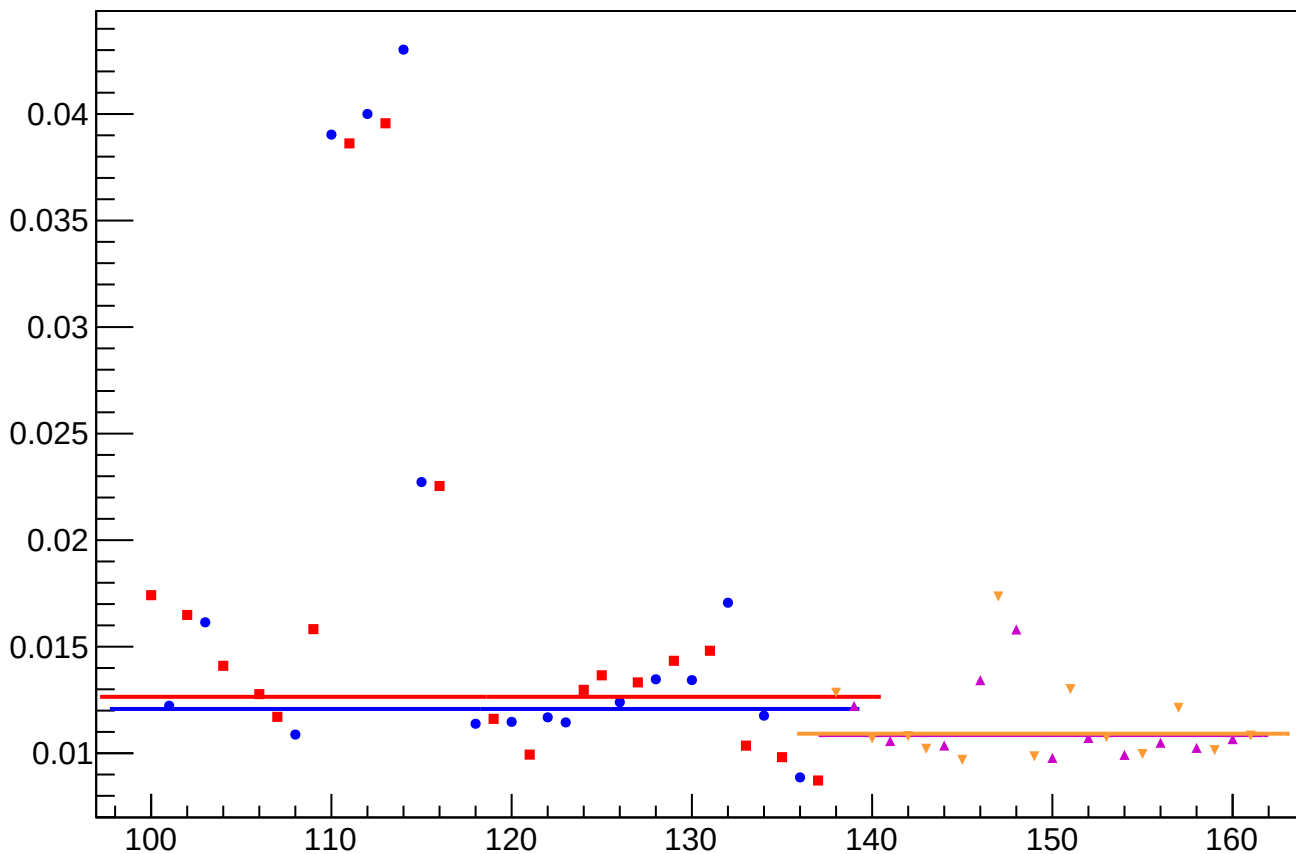
0.143+/-0.000 χ^2/NDF : 14320072864.2/5

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

0.149+/-0.000 χ^2/NDF : 7554924346.8/29

Left In: 0.051+/-0.000 χ^2/NDF : 43110759.6/10

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:363086.8/12

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

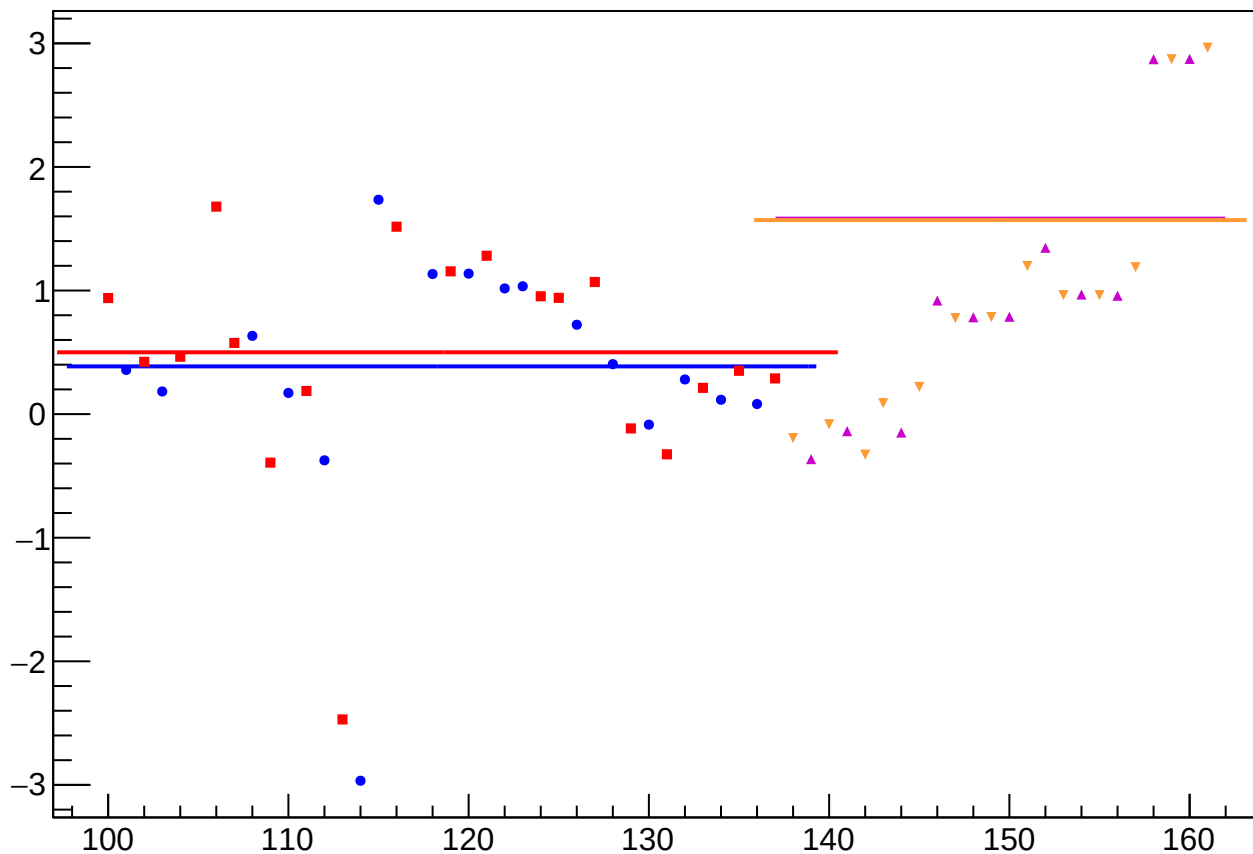
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:272252.6/10

0.011 $\pm$ 0.000 χ^2 /NDF: 1712519.5/29

0.011 $\pm$ 0.000 χ^2 /NDF: 3381116.3/59

0.011 $\pm$ 0.000 χ^2 /NDF: 1666020.7/29

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 $\pm$ 0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.570 $\pm$ 0.000 χ^2/NDF :19026826837.4/12

Right Out: 0.500 $\pm$ 0.000 χ^2/NDF : 983386658.7/18

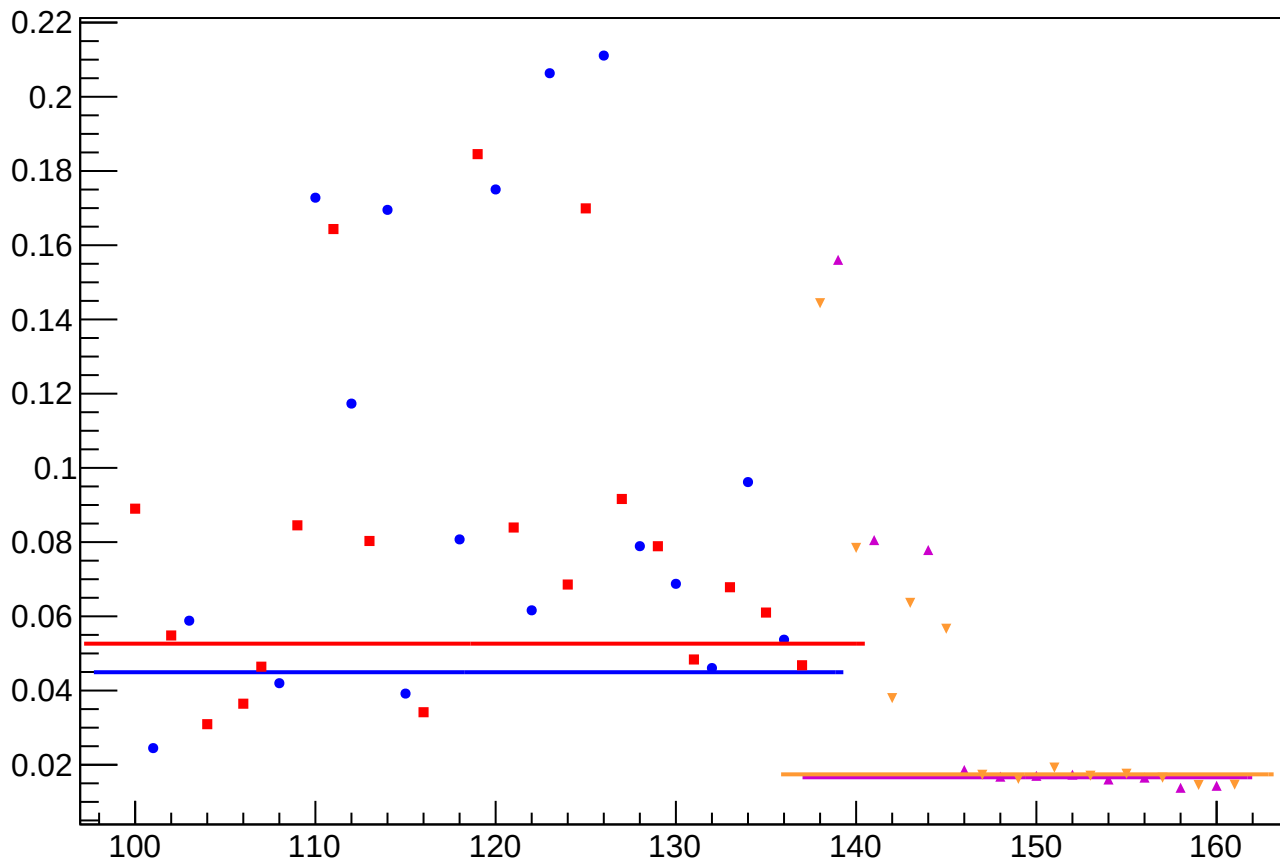
Left In: 1.582 $\pm$ 0.000 χ^2/NDF :18818759386.8/10

1.480 $\pm$ 0.000 χ^2/NDF : 21535358929.8/29

1.497 $\pm$ 0.000 χ^2/NDF : 42980330658.0/5

1.513 $\pm$ 0.000 χ^2/NDF : 21432222663.3/29

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2717108.9/12

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

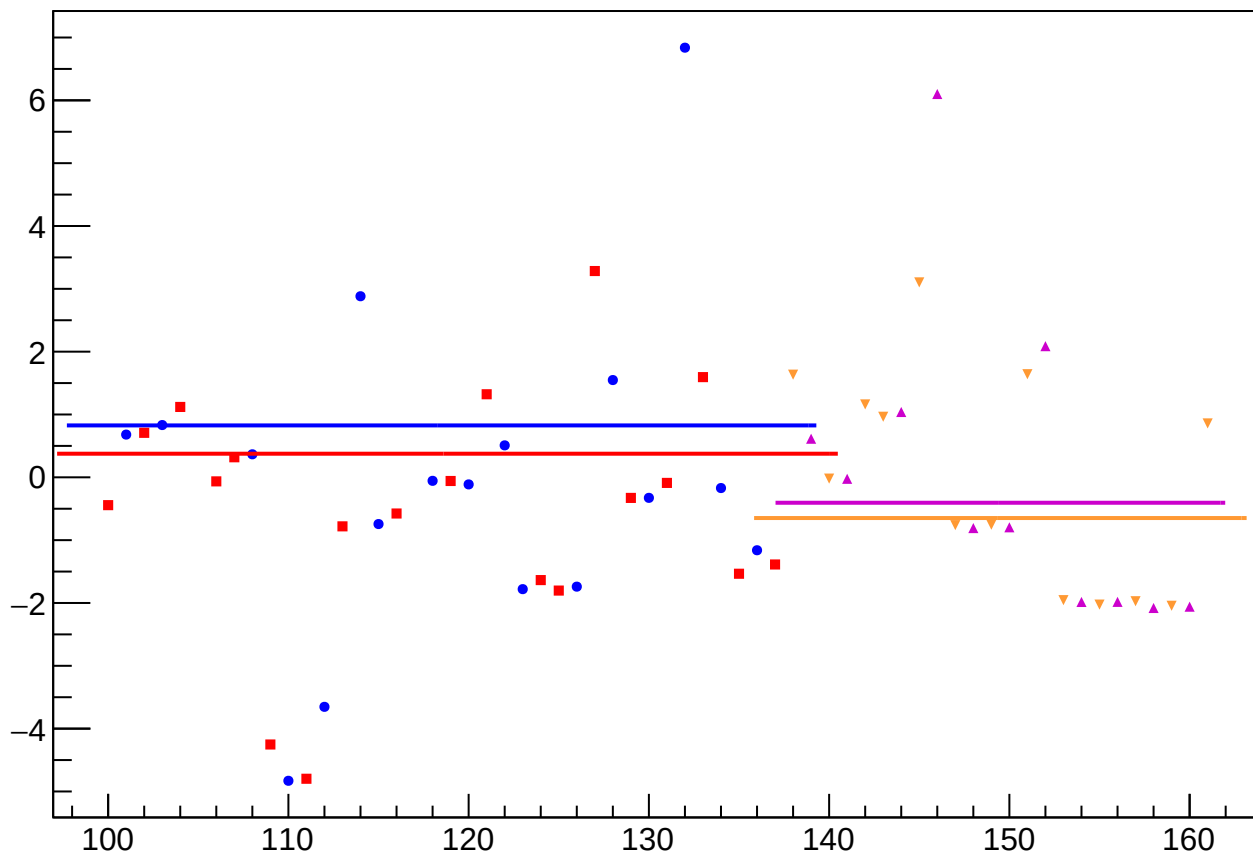
Left In: 0.017+/-0.000 χ^2/NDF : 2390136.1/10

0.020+/-0.000 χ^2/NDF : 7950358.4/29

0.019+/-0.000 χ^2/NDF : 16154328.0/59

0.019+/-0.000 χ^2/NDF : 8195588.9/29

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 ± 0.000 χ^2/NDF : 10945455664.9/16

Left Out: -0.648 ± 0.000 χ^2/NDF : 94423341888.4/12

Right Out: 0.376 ± 0.000 χ^2/NDF : 4947158634.2/18

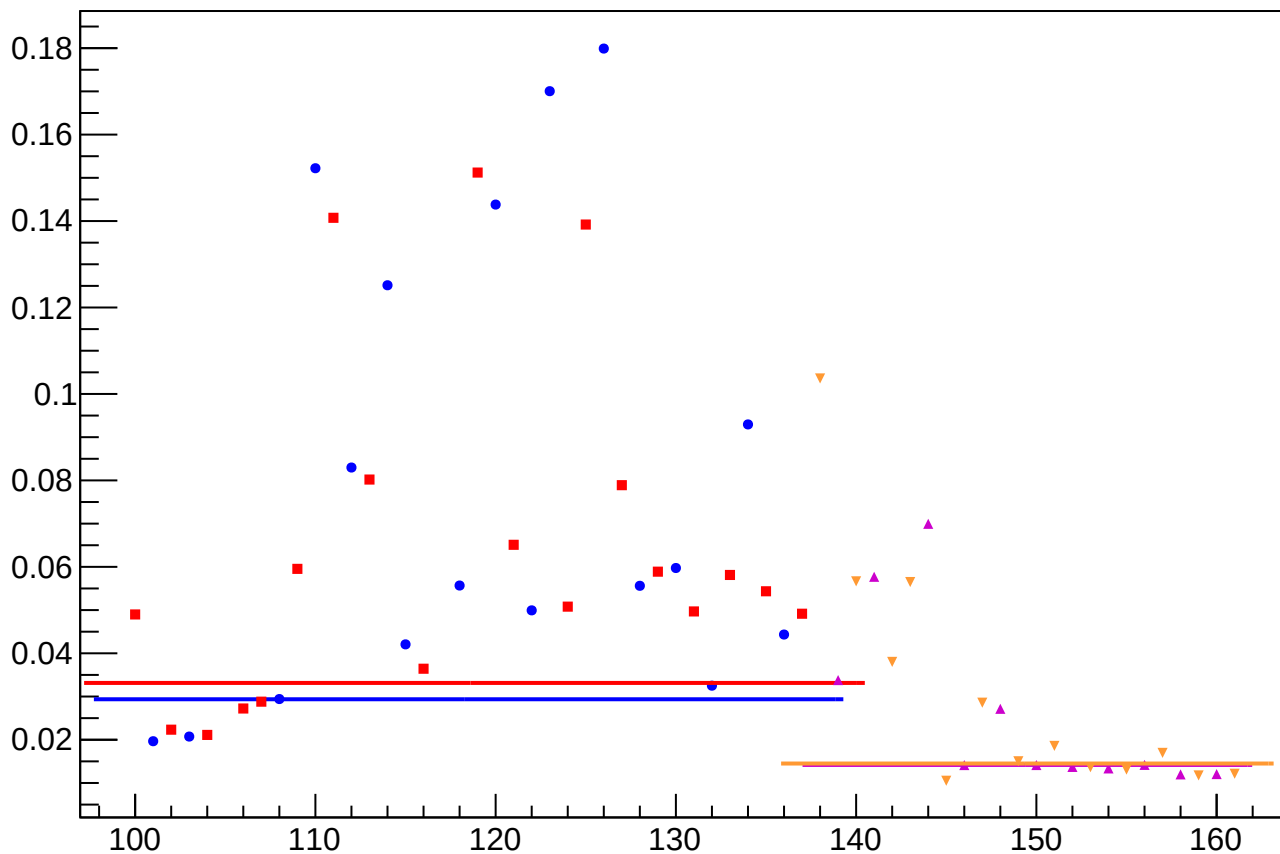
Left In: -0.405 ± 0.000 χ^2/NDF : 225453468966.7/10

-0.488 ± 0.000 χ^2/NDF : 112986390107.8/29

-0.408 ± 0.000 χ^2/NDF : 345761890200.4

-0.330 ± 0.000 χ^2/NDF : 232323852356.7/29

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.015+/-0.000 χ^2/NDF : 2752076.3/12

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

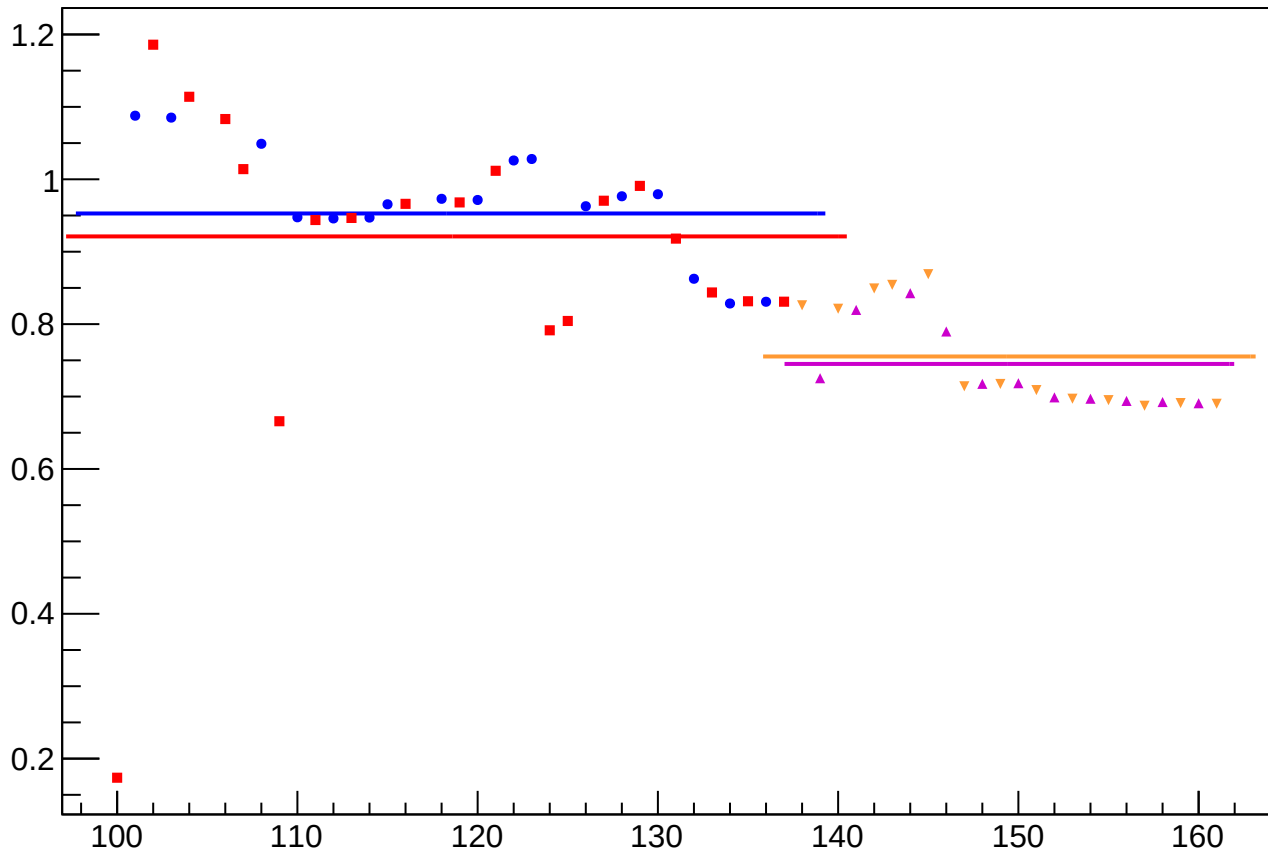
Left In: 0.014+/-0.000 χ^2/NDF : 1830438.1/10

0.016+/-0.000 χ^2/NDF : 7288926.9/29

0.016+/-0.000 χ^2/NDF : 14491901.4/59

0.016+/-0.000 χ^2/NDF : 7202455.4/29

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.755+/-0.000 χ^2/NDF : 238802930.1/12

Right Out: 0.921+/-0.000 χ^2/NDF : 374151585.5/18

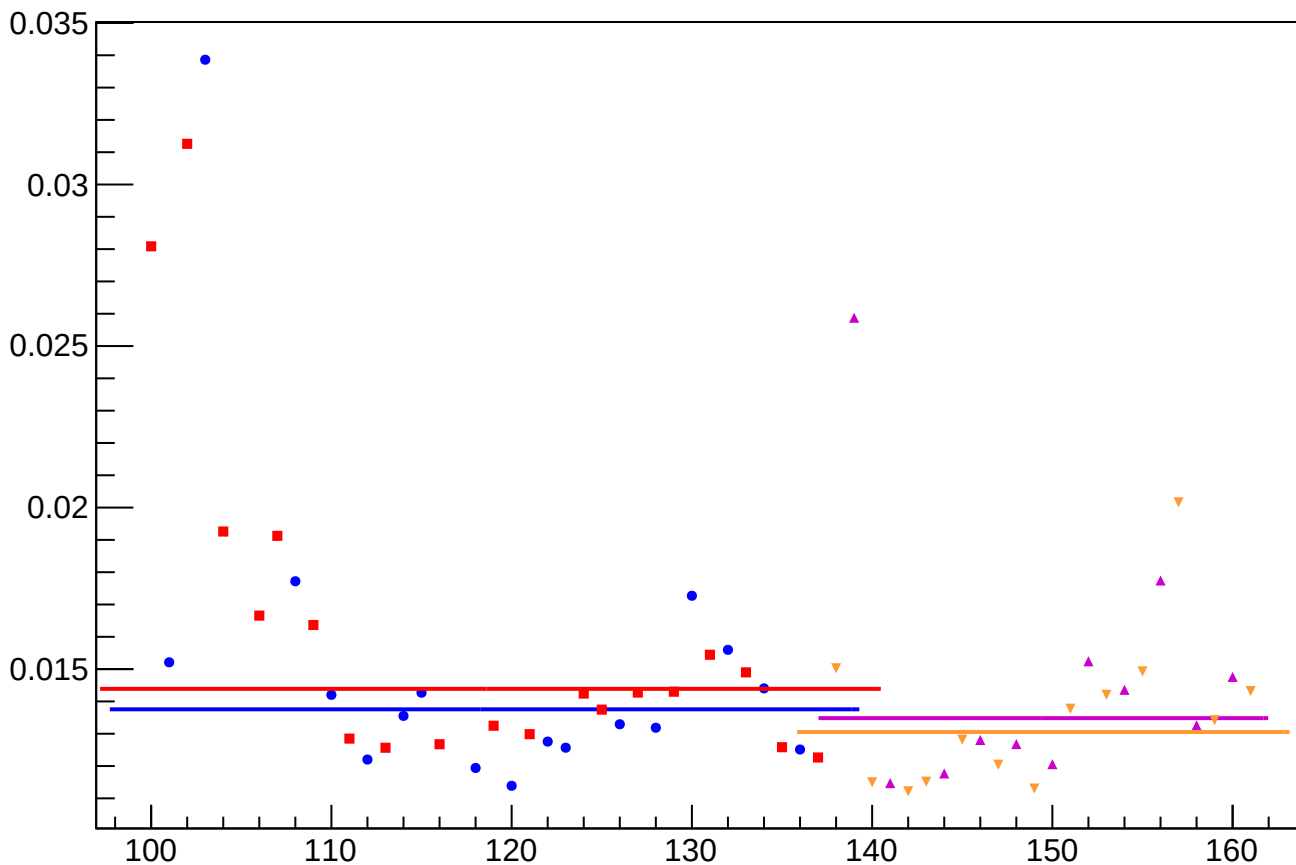
Left In: 0.745+/-0.000 χ^2/NDF : 142083289.9/10

0.831+/-0.000 χ^2/NDF : 1146058811.9/29

0.824+/-0.000 χ^2/NDF : 2212109207.2/59

0.816+/-0.000 χ^2/NDF : 1057866569.6/29

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 325297.0/12

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

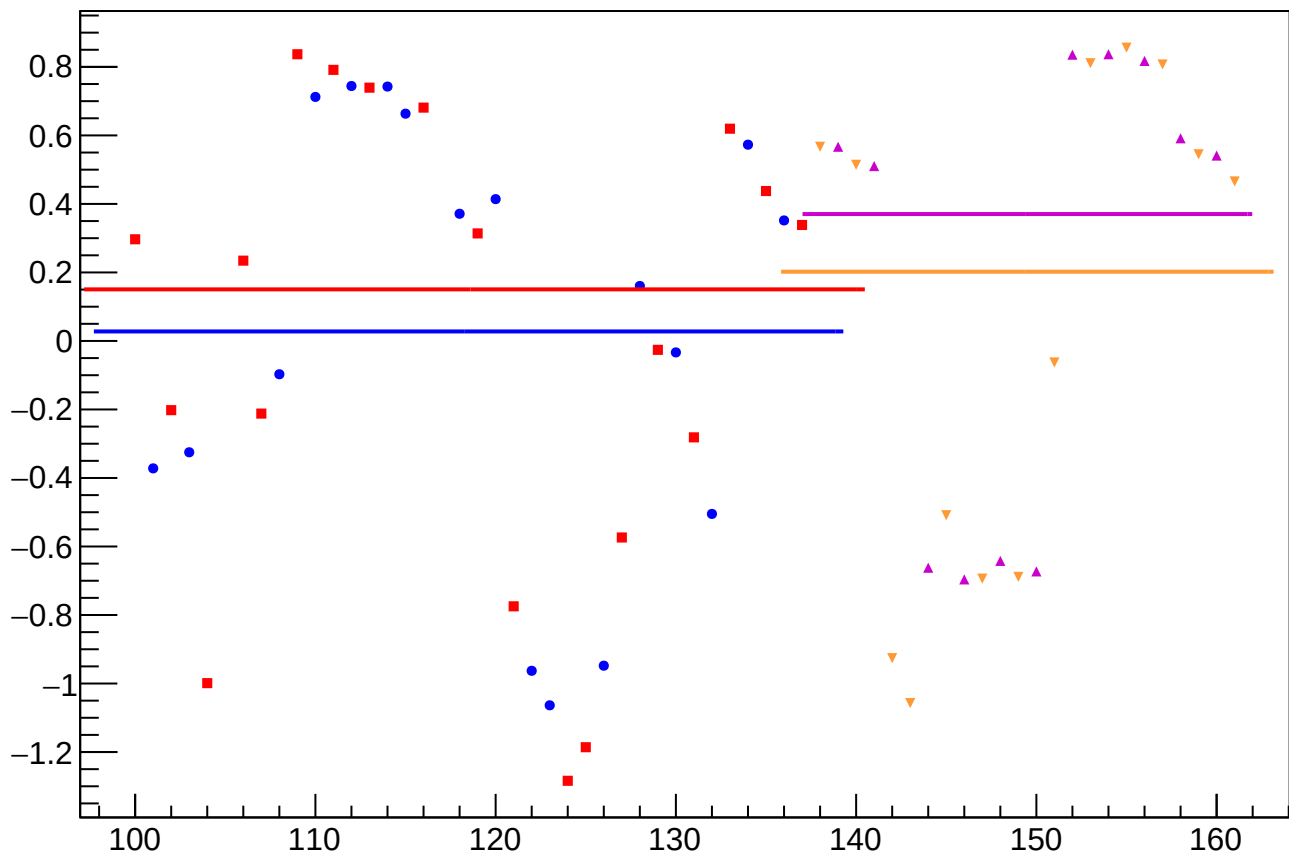
Left In: 0.013+/-0.000 χ^2/NDF : 544111.0/10

0.013+/-0.000 χ^2/NDF : 882205.8/29

0.014+/-0.000 χ^2/NDF : 1979854.6/59

0.014+/-0.000 χ^2/NDF : 1076642.5/29

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2/NDF : 627695529.7/16

Left Out: 0.202 $\pm$ 0.000 χ^2/NDF : 23473965730.1/12

Right Out: 0.151 $\pm$ 0.000 χ^2/NDF : 12653743155.9/18

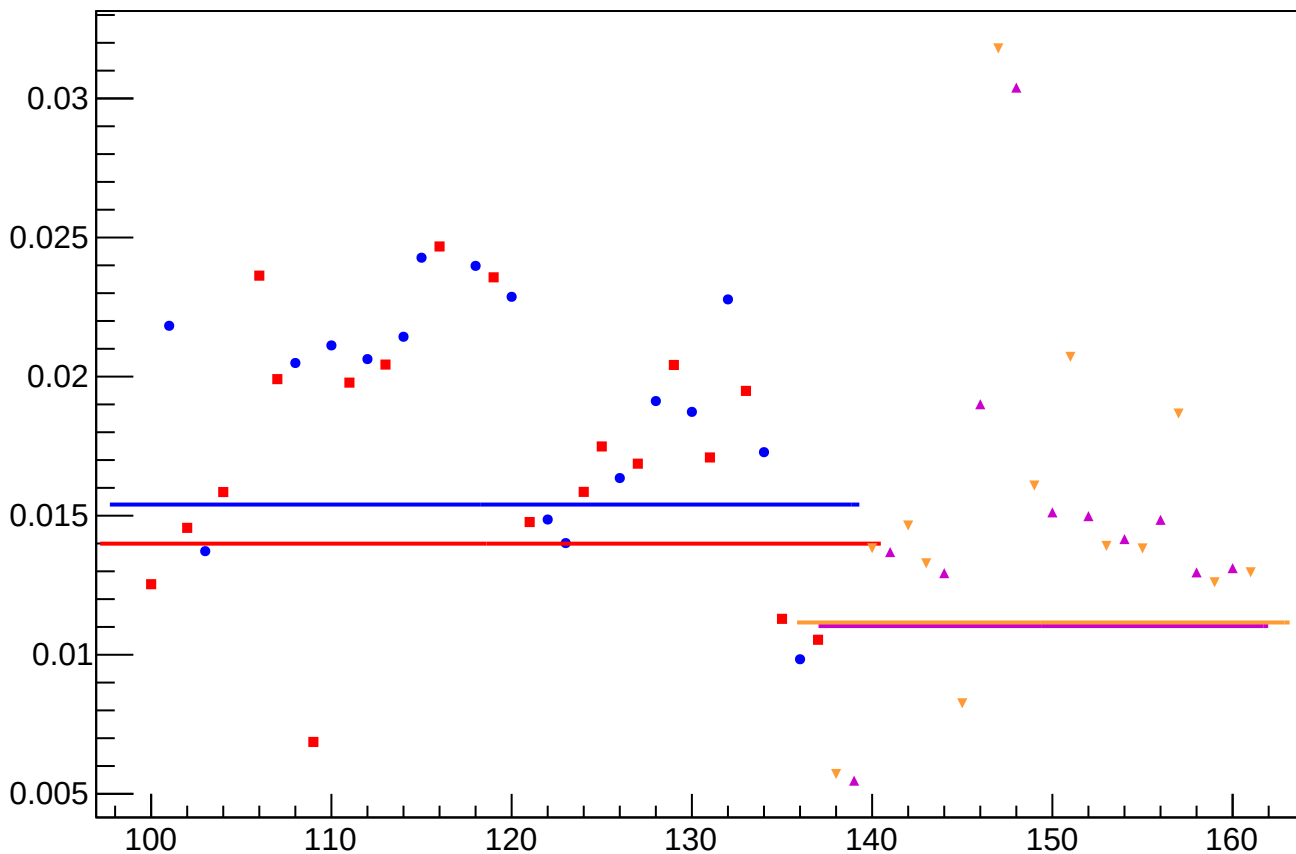
Left In: 0.370 $\pm$ 0.000 χ^2/NDF : 16025844445.1/10

0.154 $\pm$ 0.000 χ^2/NDF : 30269717172.2/29

0.227 $\pm$ 0.000 χ^2/NDF : 60775594229.6/5

0.298 $\pm$ 0.000 χ^2/NDF : 29606810516.6/29

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2839101.2/12

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

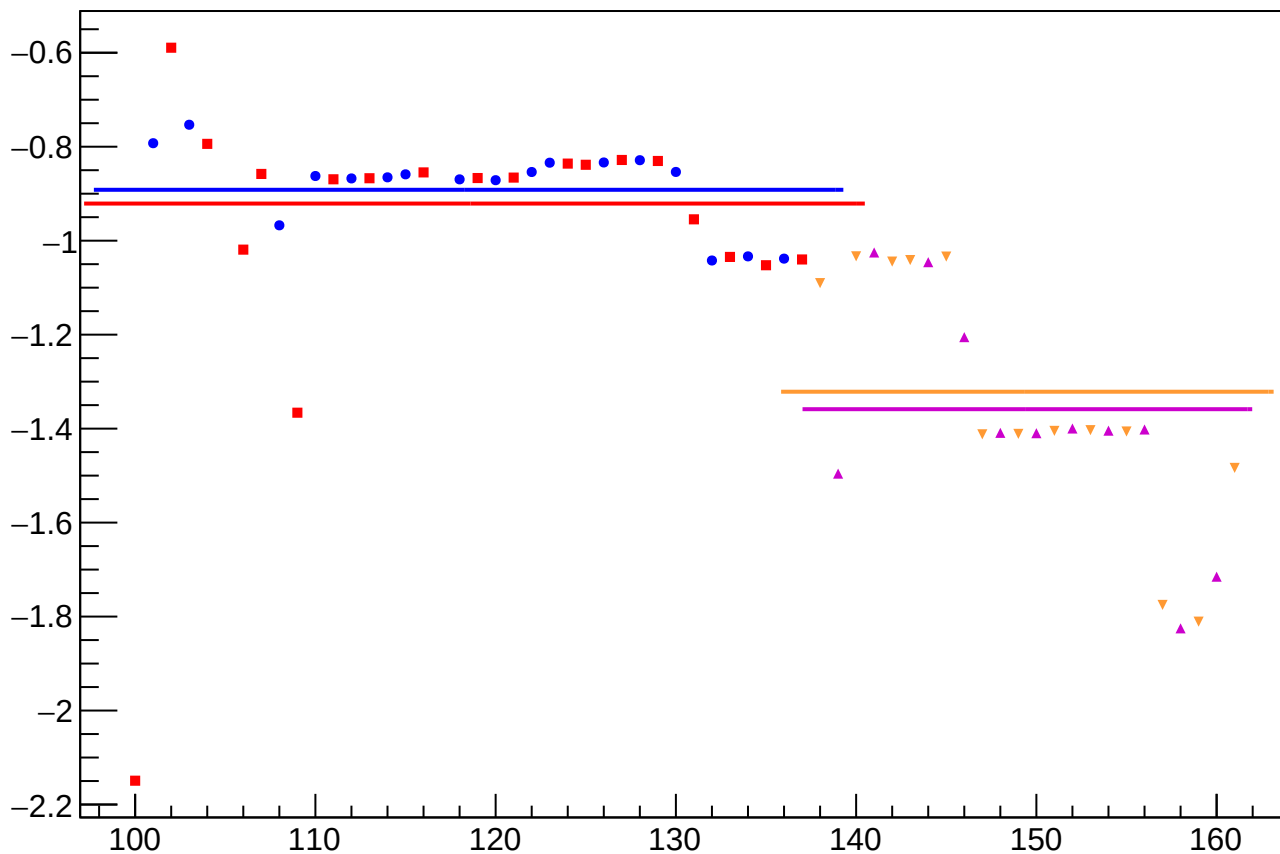
Left In: 0.011+/-0.000 χ^2/NDF : 2841232.1/10

0.012+/-0.000 χ^2/NDF : 4594419.8/29

0.012+/-0.000 χ^2/NDF : 9343417.8/59

0.012+/-0.000 χ^2/NDF : 4739579.3/29

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892 $\pm$ 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.321 $\pm$ 0.000 χ^2/NDF : 449662082.7/12

Right Out: -0.921 $\pm$ 0.000 χ^2/NDF : 131159330.1/18

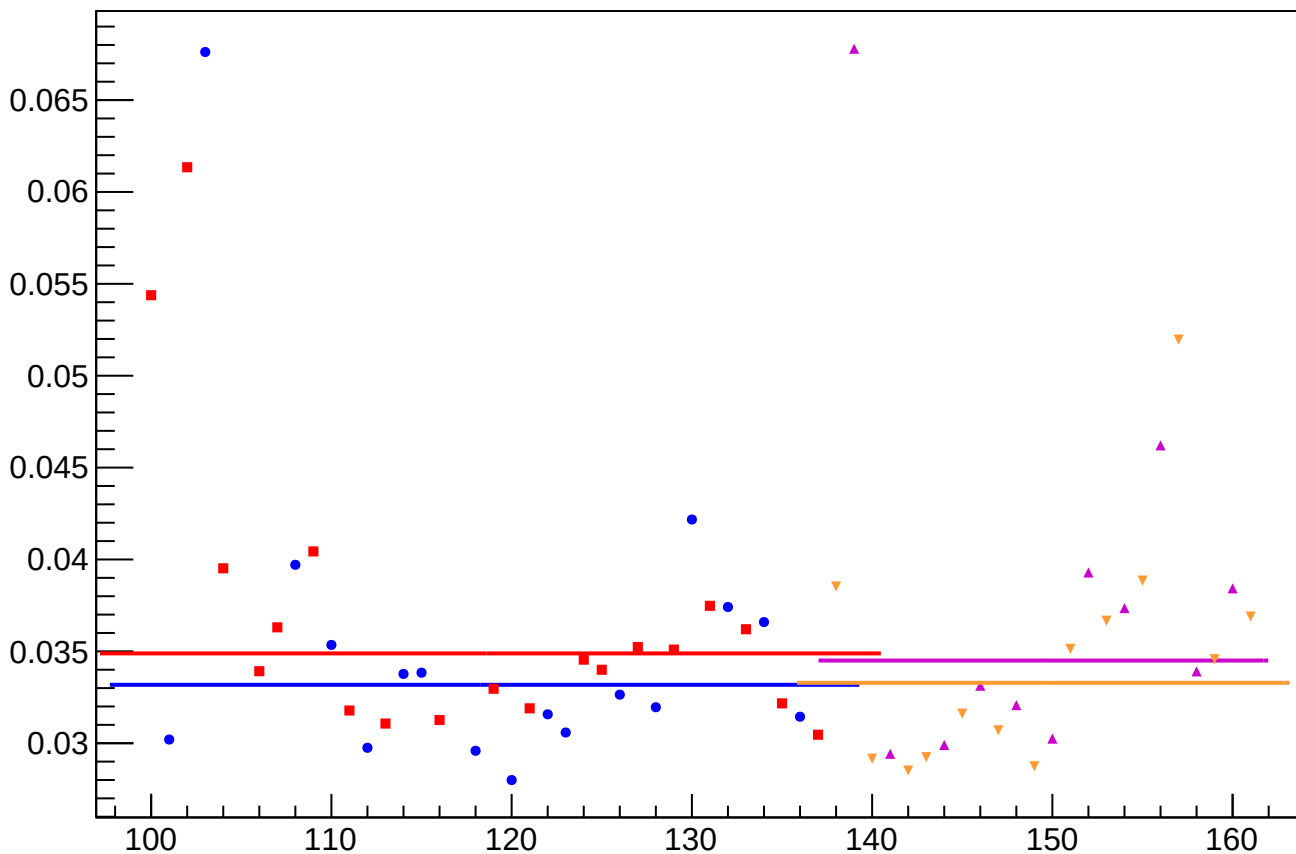
Left In: -1.359 $\pm$ 0.000 χ^2/NDF : 400817928.5/10

-1.143 $\pm$ 0.000 χ^2/NDF : 1060301928.7/29

-1.155 $\pm$ 0.000 χ^2/NDF : 2141890637.9/50

-1.168 $\pm$ 0.000 χ^2/NDF : 1077893211.2/29

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.033+/-0.000 χ^2/NDF : 352231.6/12

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

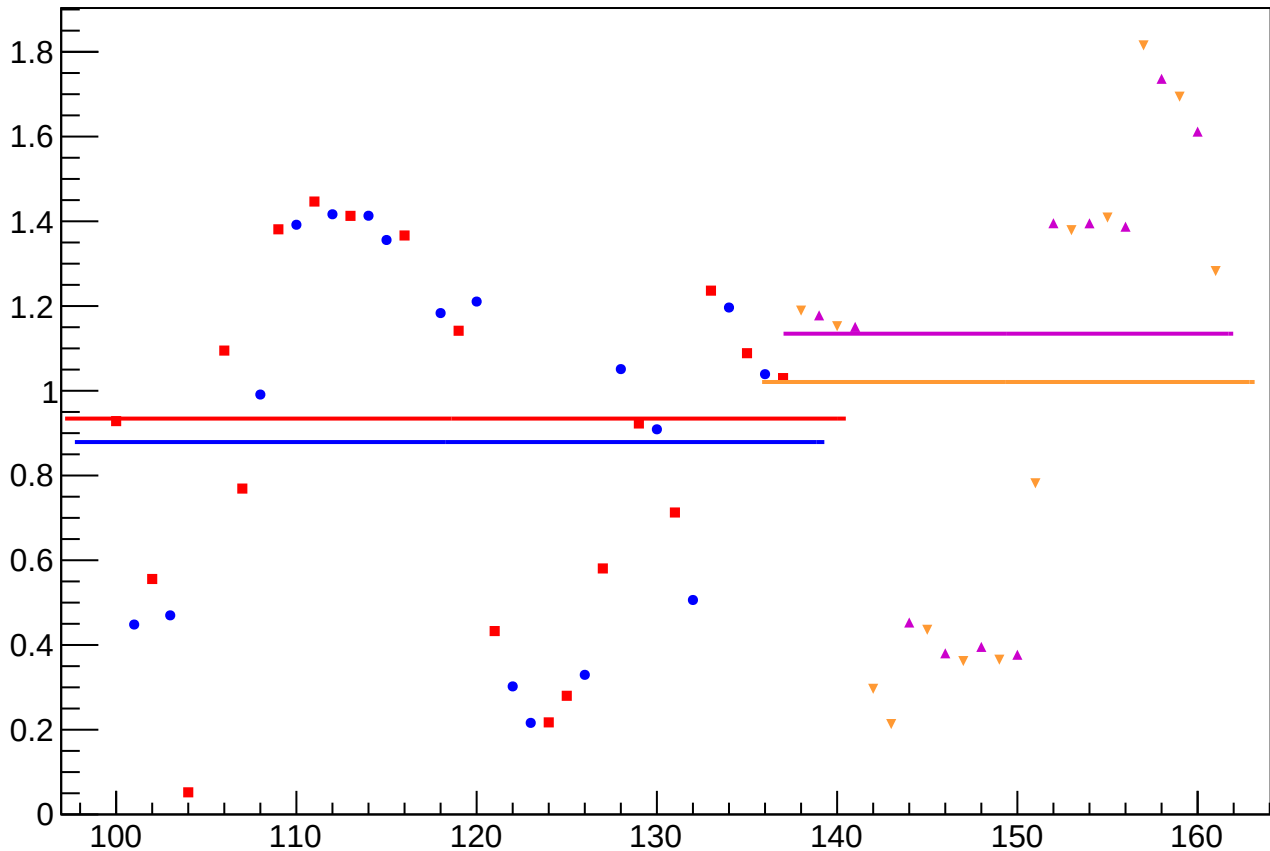
Left In: 0.035+/-0.000 χ^2/NDF : 590257.4/10

0.033+/-0.000 χ^2/NDF : 752410.3/29

0.034+/-0.000 χ^2/NDF : 1643221.4/59

0.035+/-0.000 χ^2/NDF : 866126.1/29

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 ± 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 1.021 ± 0.000 χ^2/NDF : 28549891057.4/12

Right Out: 0.934 ± 0.000 χ^2/NDF : 9827120184.9/18

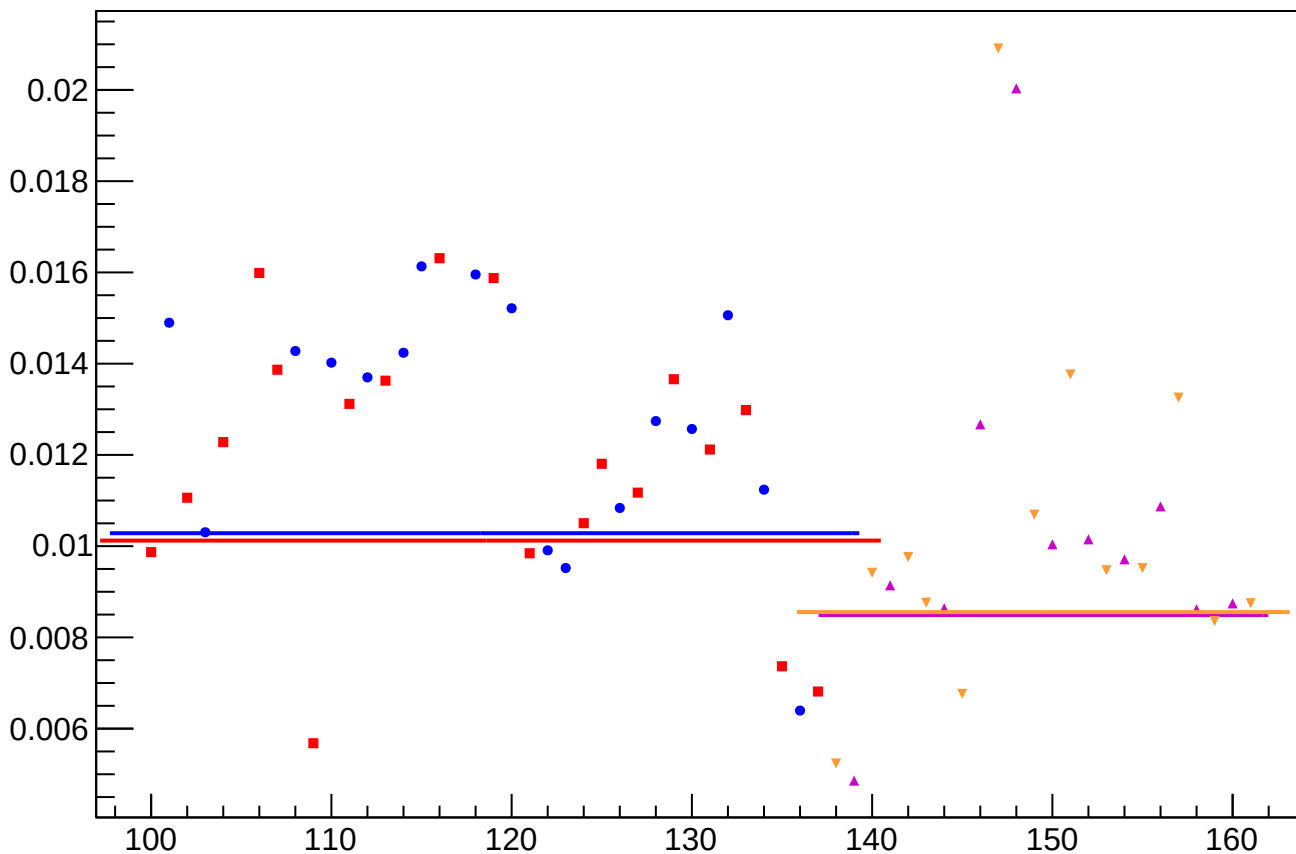
Left In: 1.135 ± 0.000 χ^2/NDF : 21393894369.6/10

0.976 ± 0.000 χ^2/NDF : 35646867560.3/29

1.021 ± 0.000 χ^2/NDF : 69027591816.1/5

1.066 ± 0.000 χ^2/NDF : 32717977095.2/29

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1653271.6/12

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

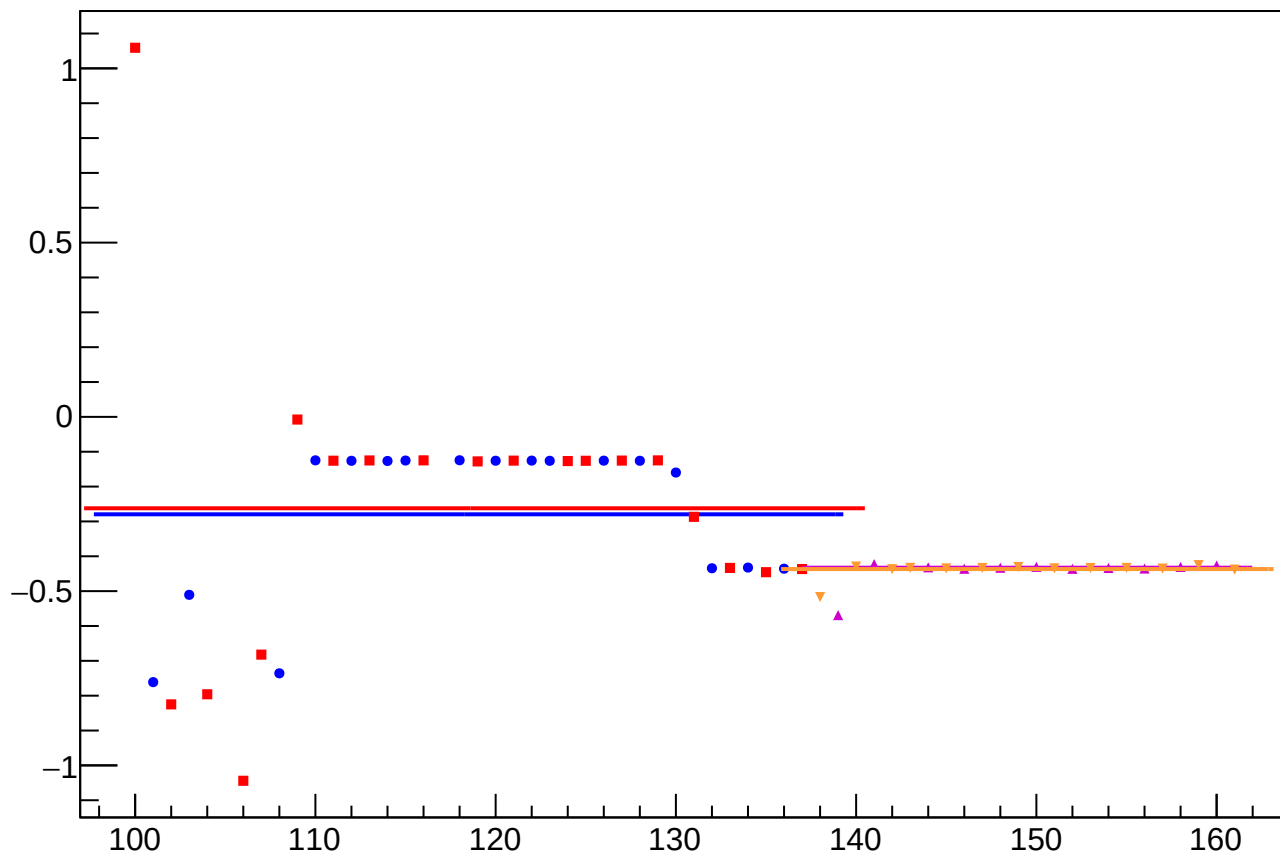
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1609263.7/10

0.009 $\pm$ 0.000 χ^2 /NDF: 3076616.9/29

0.009 $\pm$ 0.000 χ^2 /NDF: 6061200.3/59

0.009 $\pm$ 0.000 χ^2 /NDF: 2984289.9/29

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280+/-0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.437+/-0.000 χ^2/NDF : 25425410.0/12

Right Out: -0.262+/-0.000 χ^2/NDF : 1006263824.6/18

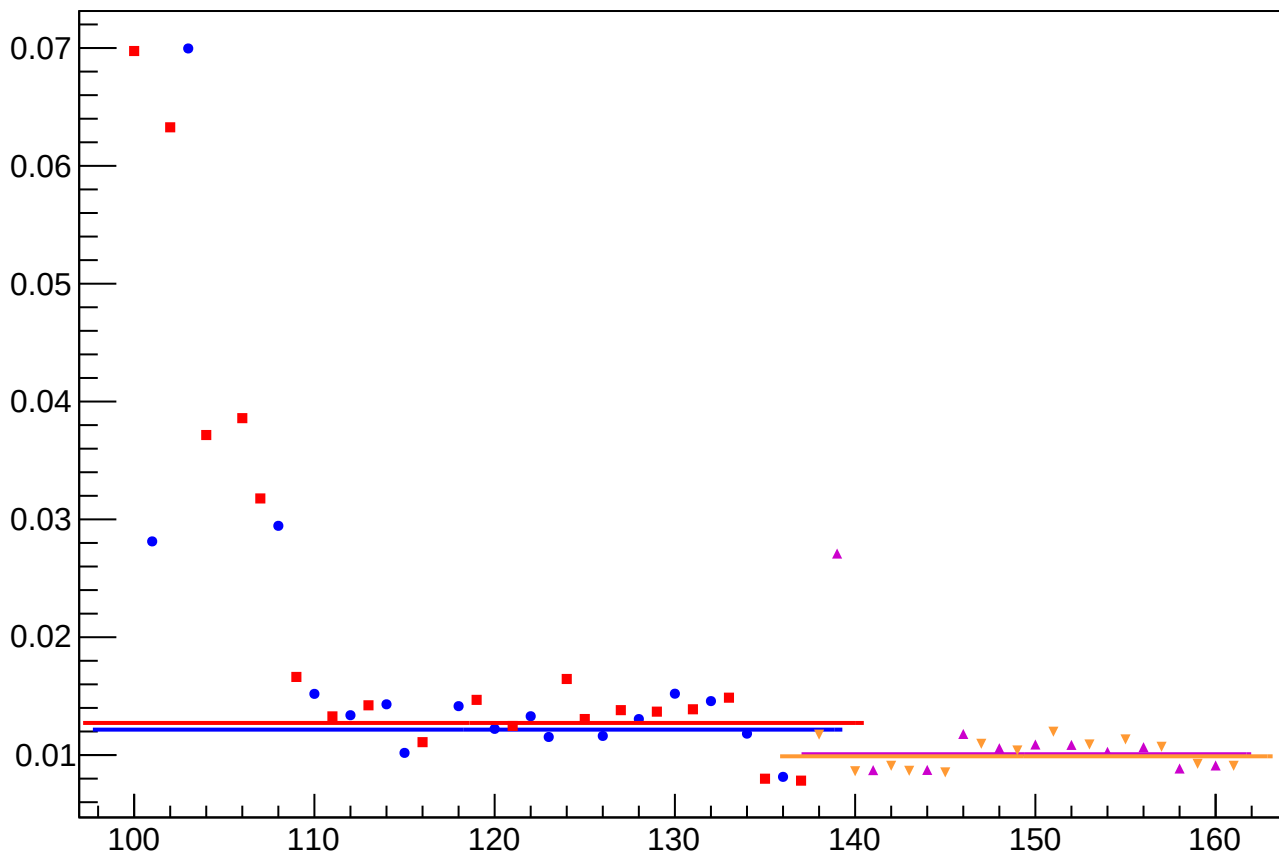
Left In: -0.433+/-0.000 χ^2/NDF : 19331717.4/10

-0.393+/-0.000 χ^2/NDF : 1514949036.7/29

-0.388+/-0.000 χ^2/NDF : 3159255791.4/50

-0.383+/-0.000 χ^2/NDF : 1638863432.3/29

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 222791.6/12

Right Out: 0.013+/-0.000 χ^2/NDF : 1967397.9/18

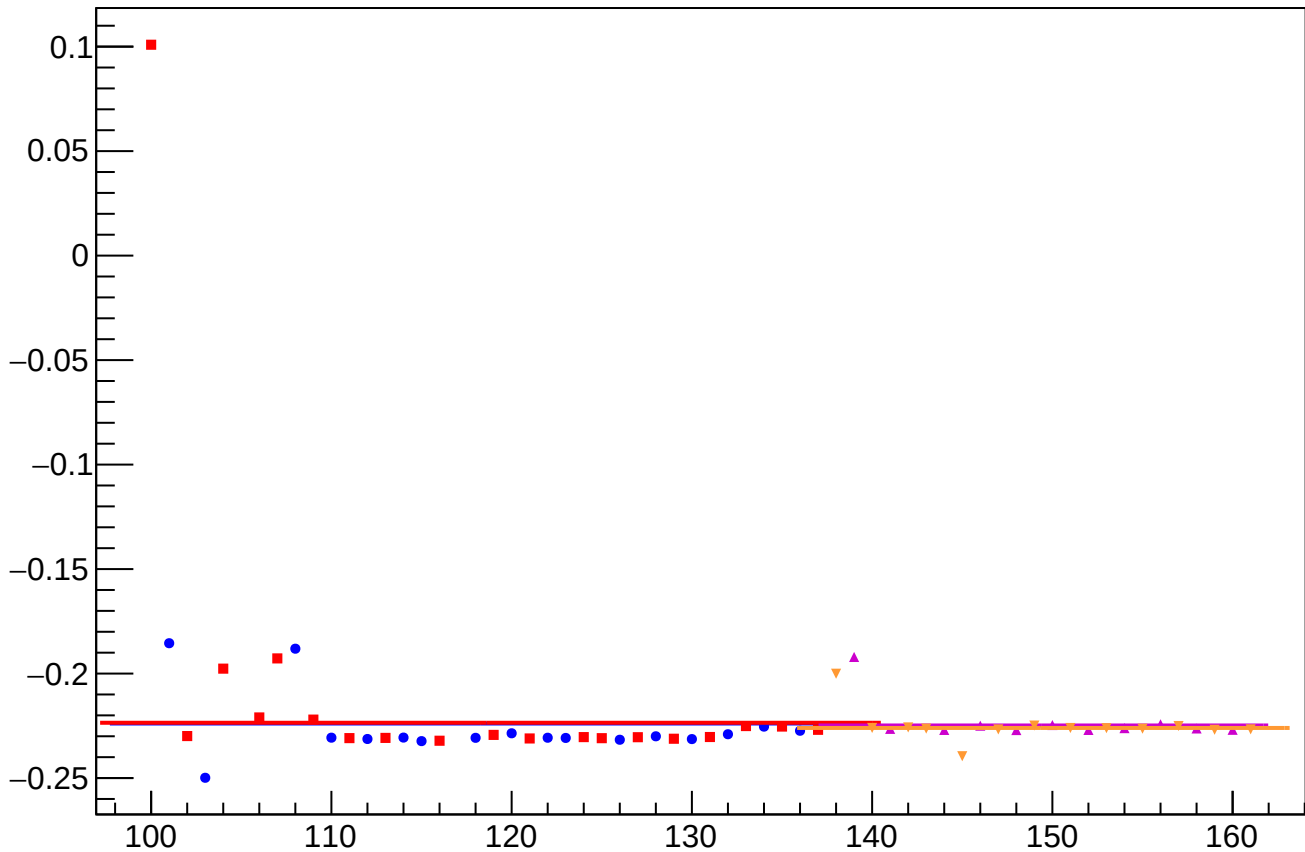
Left In: 0.010+/-0.000 χ^2/NDF : 716531.3/10

0.011+/-0.000 χ^2/NDF : 2178243.7/29

0.011+/-0.000 χ^2/NDF : 5170708.6/59

0.011+/-0.000 χ^2/NDF : 2981275.8/29

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20575972.1/12

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

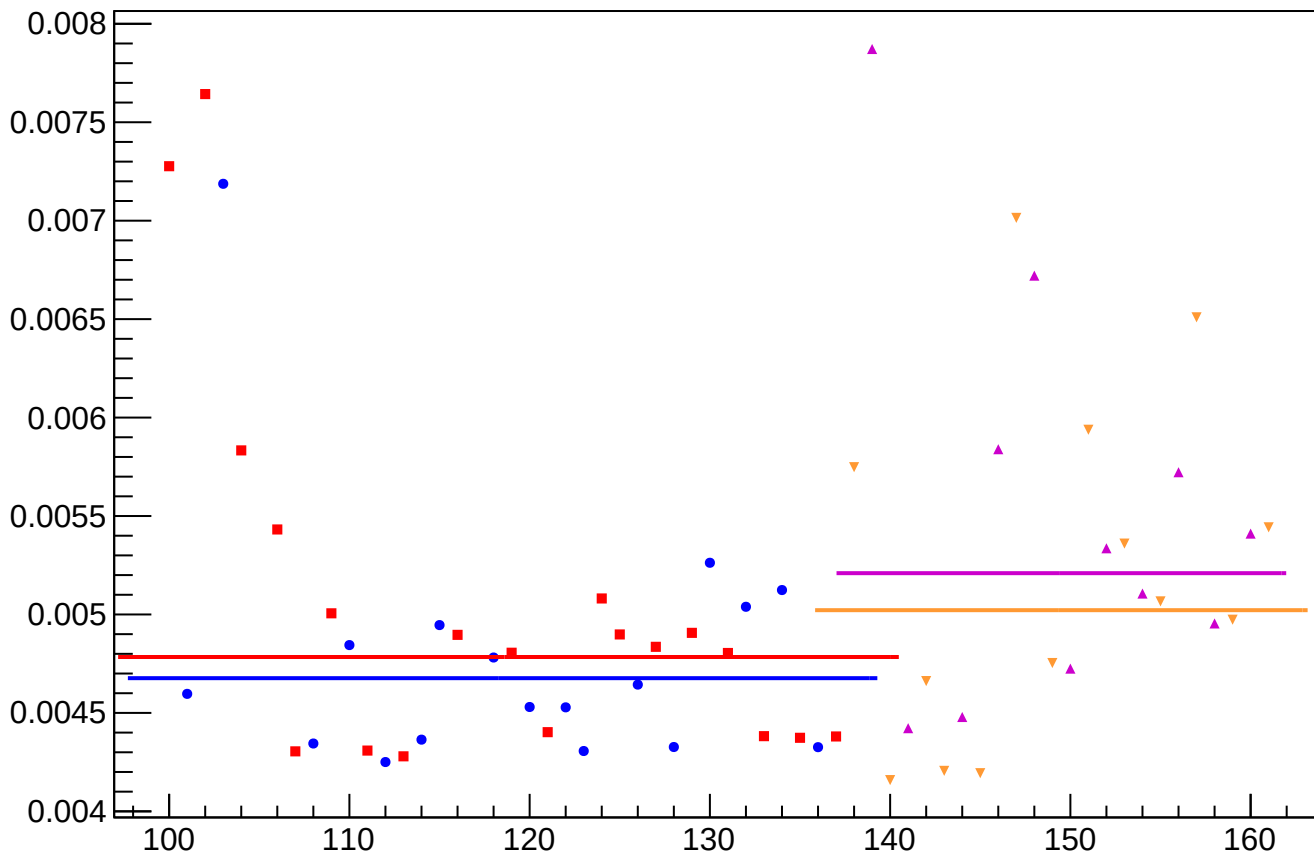
Left In: -0.225+/-0.000 χ^2/NDF : 12647408.2/10

-0.225+/-0.000 χ^2/NDF : 95881619.7/29

-0.225+/-0.000 χ^2/NDF : 277125535.6/59

-0.224+/-0.000 χ^2/NDF : 181017613.8/29

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 : 434077.0/12

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

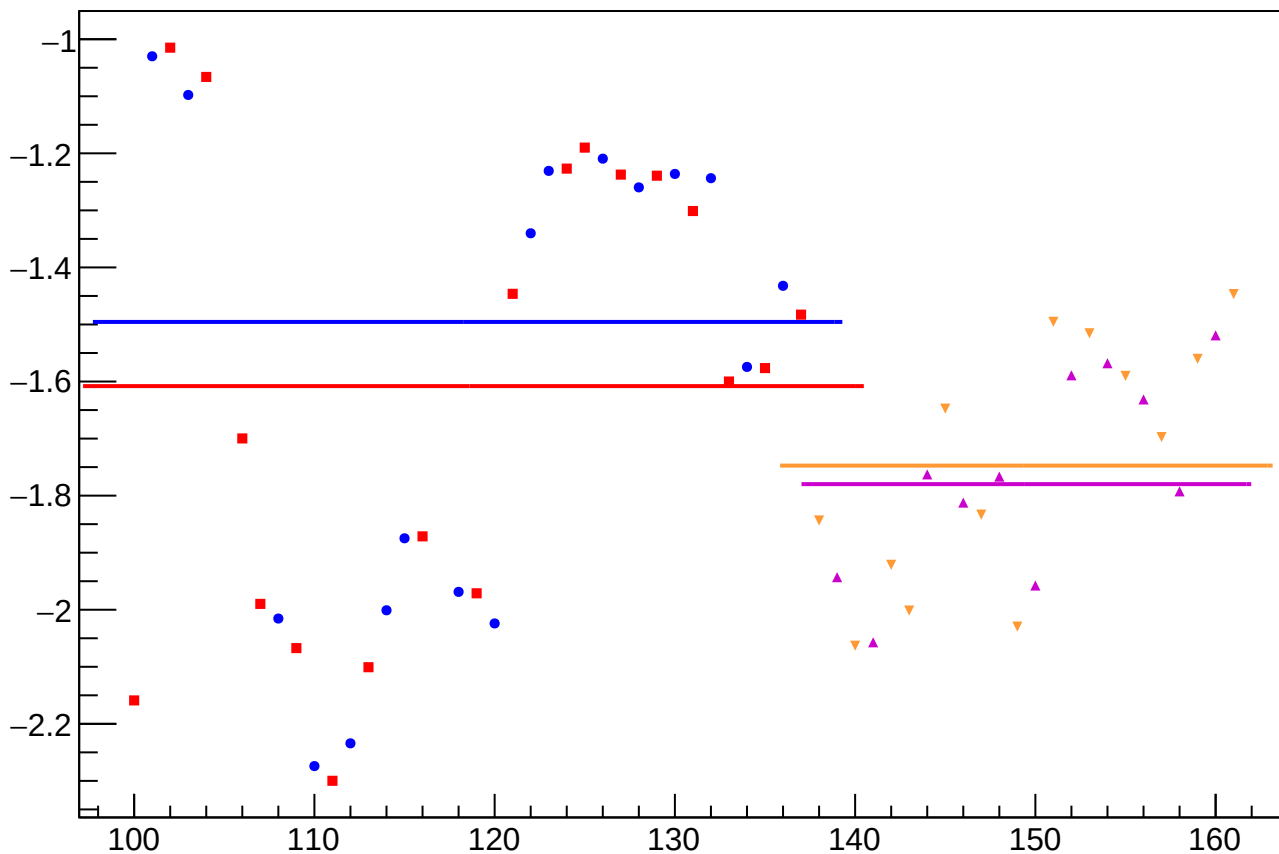
Left In: 0.005+/-0.000 χ^2/NDF : 379152.1/10

0.005+/-0.000 χ^2/NDF : 651593.3/29

0.005+/-0.000 χ^2/NDF : 1343135.2/59

0.005+/-0.000 χ^2/NDF : 680365.7/29

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.747+/-0.000 χ^2/NDF : 11421240307.7/12

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

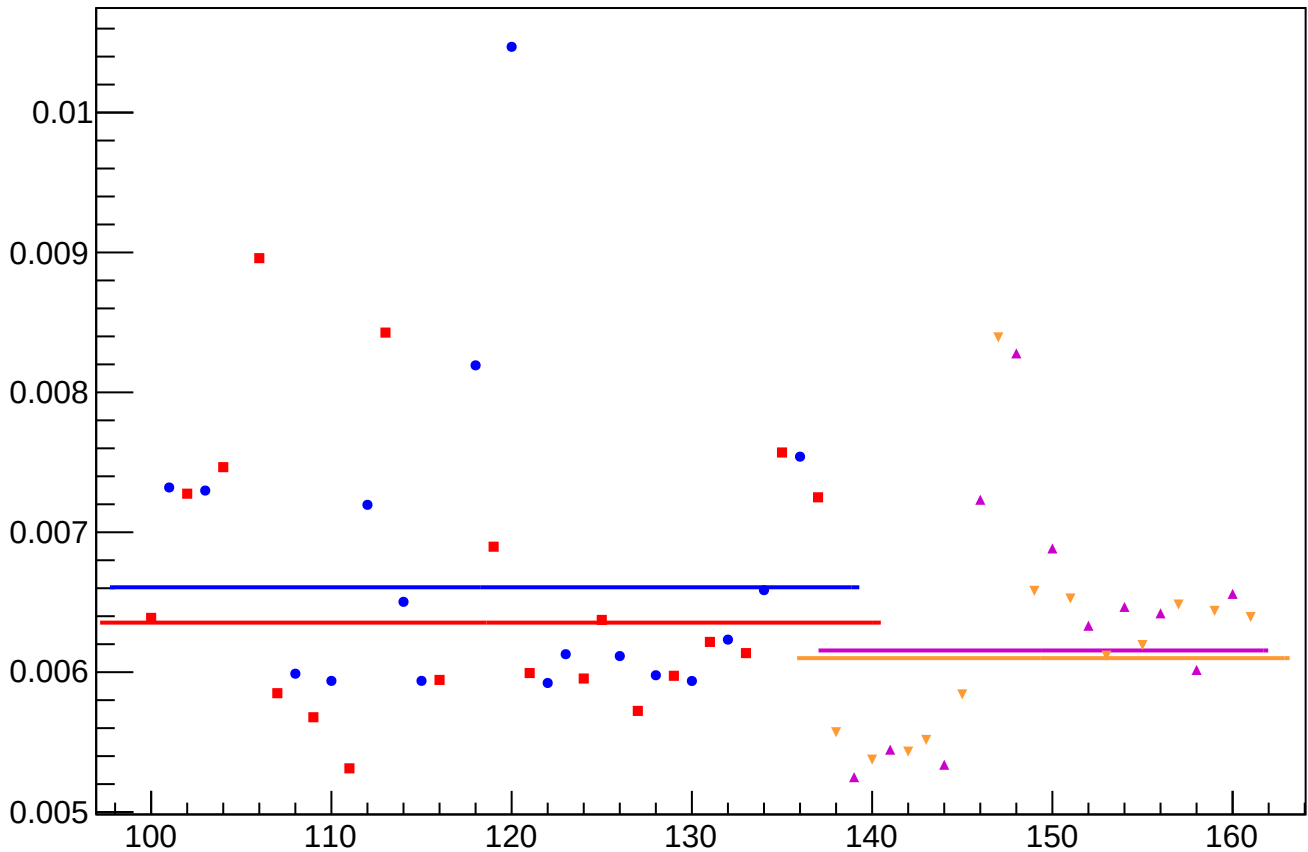
Left In: -1.780+/-0.000 χ^2/NDF : 6518777647.2/10

-1.656+/-0.000 χ^2/NDF : 39550661073.6/29

-1.681+/-0.000 χ^2/NDF : 77159641346.2/29

-1.706+/-0.000 χ^2/NDF : 37128976413.0/29

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF : 202172.4/12

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

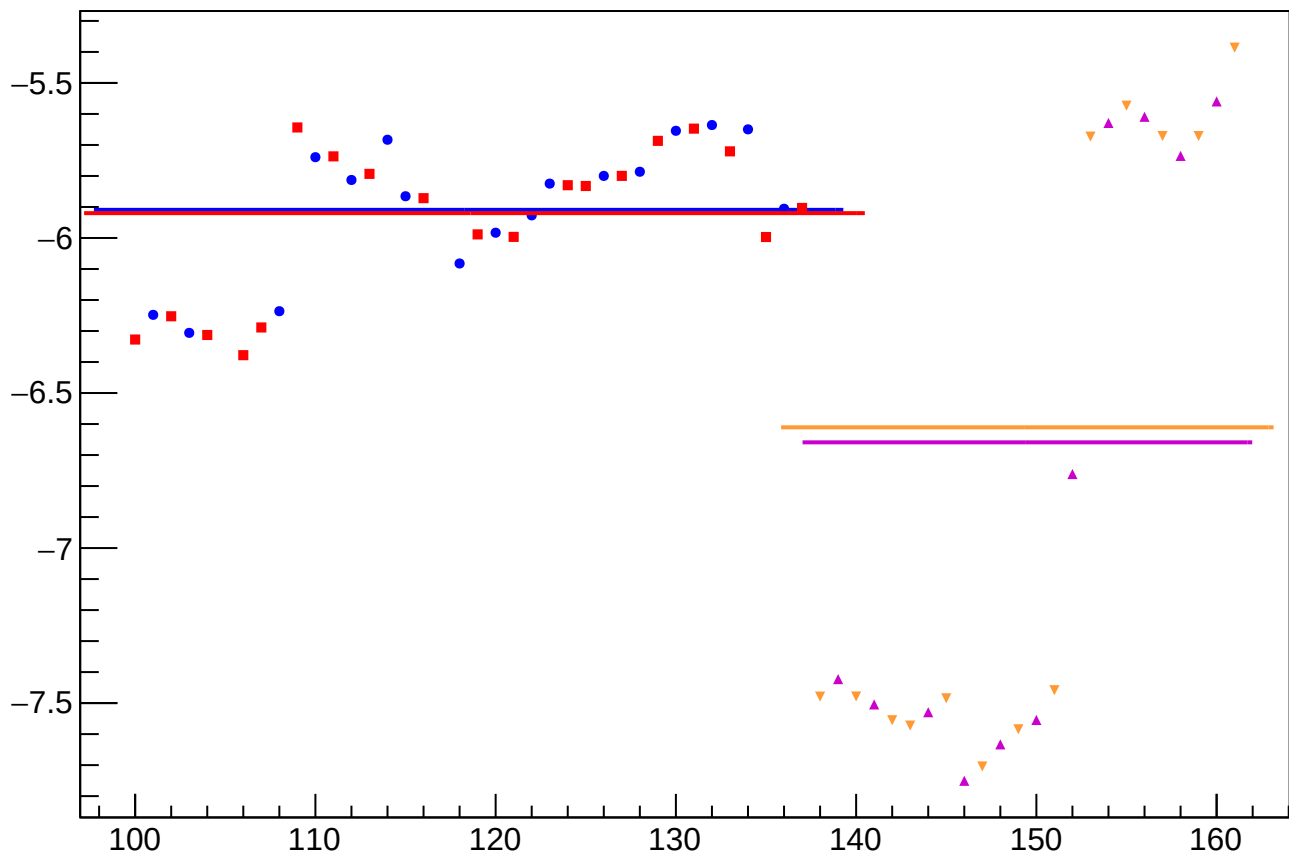
Left In: 0.006+/-0.000 χ^2/NDF : 265320.8/10

0.006+/-0.000 χ^2/NDF : 448981.7/29

0.006+/-0.000 χ^2/NDF : 949709.8/59

0.006+/-0.000 χ^2/NDF : 500013.7/29

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.611+/-0.000 χ^2/NDF : 123266554707.7/12

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

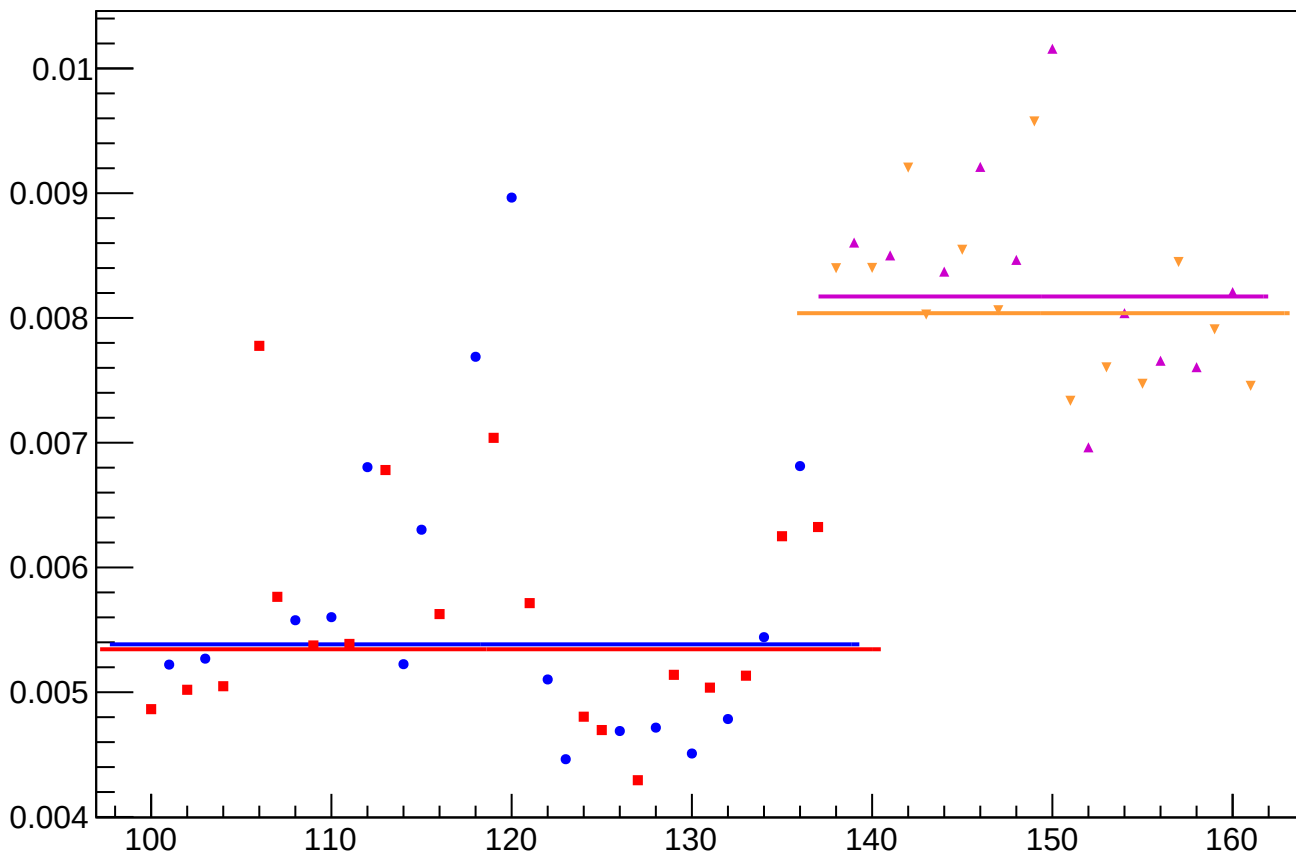
Left In: -6.659+/-0.000 χ^2/NDF : 94597636570.9/10

-6.183+/-0.000 χ^2/NDF : 173145851213.7/29

-6.178+/-0.000 χ^2/NDF : 322421871308.7

-6.174+/-0.000 χ^2/NDF : 149264151478.9/29

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 93317.0/12

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 244700.0/18

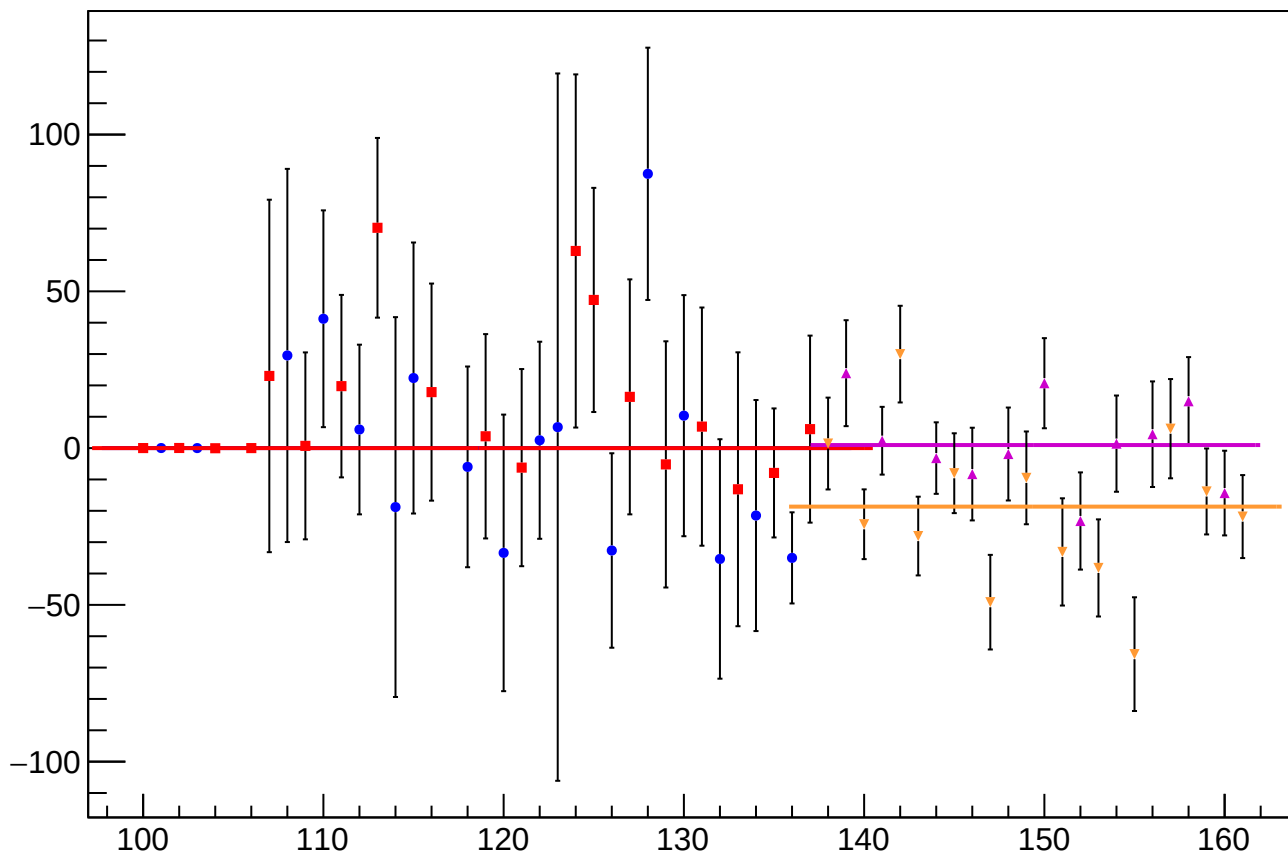
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 139497.1/10

0.006 $\pm$ 0.000 χ^2/NDF : 1550989.7/29

0.006 $\pm$ 0.000 χ^2/NDF : 3164547.9/59

0.006 $\pm$ 0.000 χ^2/NDF : 1610132.0/29

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2/NDF : 15.8/16

Left Out: -18.662 $\pm$ 3.951 χ^2/NDF : 29.5/12

Right Out: -0.003 $\pm$ 0.016 χ^2/NDF : 15.3/18

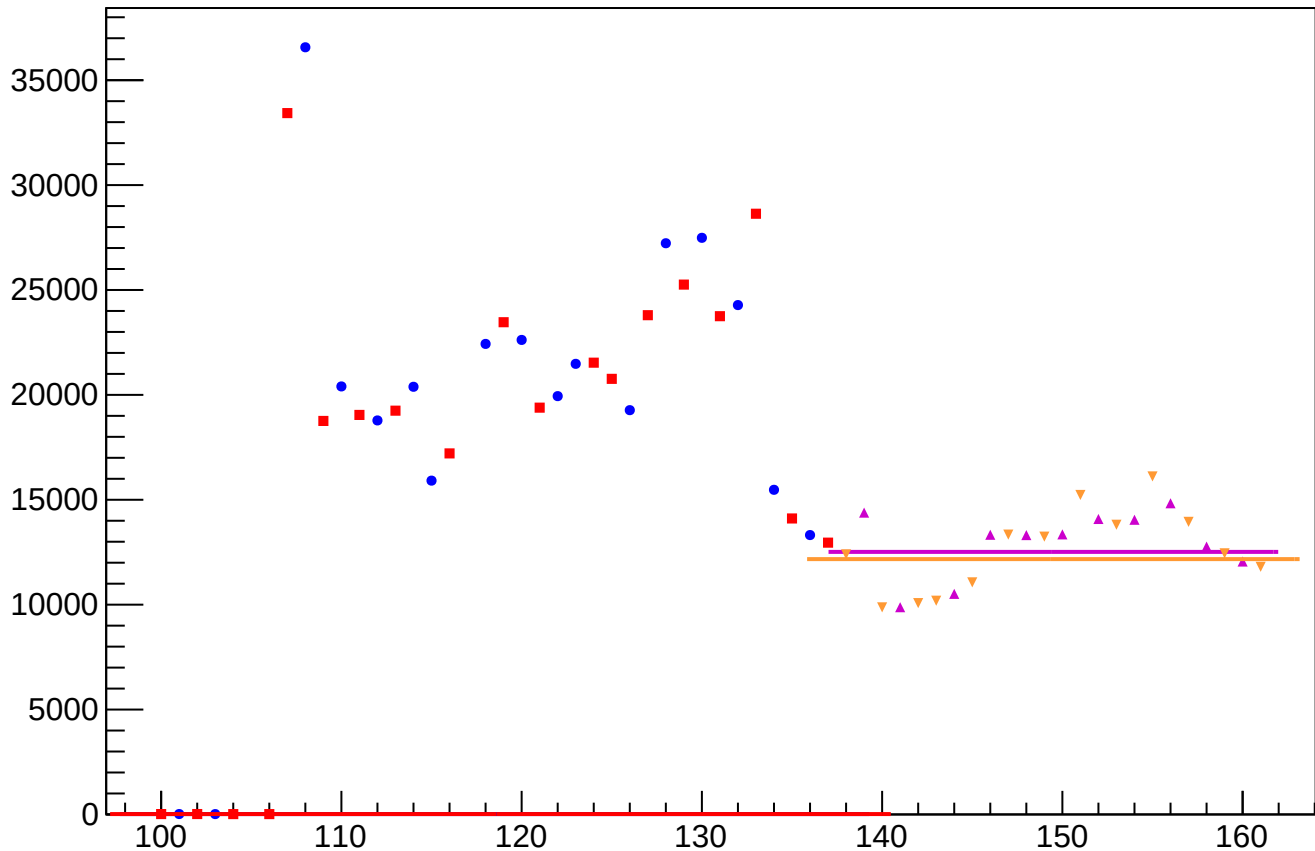
Left In: 0.976 $\pm$ 4.219 χ^2/NDF : 9.1/10

0.013 $\pm$ 0.017 χ^2/NDF : 67.6/29

0.004 $\pm$ 0.012 χ^2/NDF : 92.5/59

-0.003 $\pm$ 0.016 χ^2/NDF : 24.4/29

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10841561.4/16

Left Out: 12171.395 $\pm$ 2.794 χ^2 /NDF:418784.8/12

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11103320.8/18

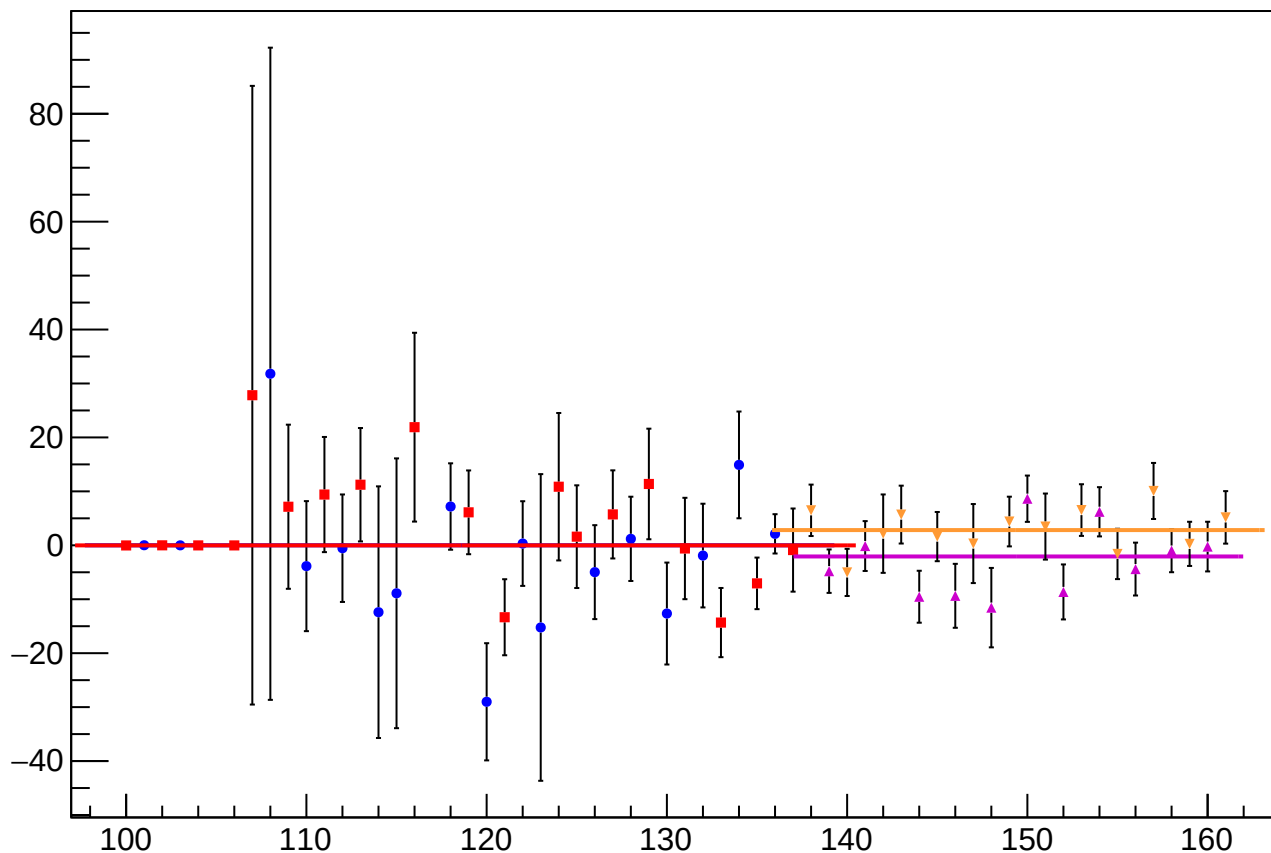
Left In: 12515.665 $\pm$ 2.983 χ^2 /NDF:305040.5/10

18.875 $\pm$ 0.012 χ^2 /NDF: 30185113.5/29

18.669 $\pm$ 0.008 χ^2 /NDF: 59145329.4/59

18.493 $\pm$ 0.011 χ^2 /NDF: 28959693.5/29

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 χ^2/NDF : 14.9/16

Left Out: 2.821 ± 1.388 χ^2/NDF : 8.5/12

Right Out: -0.014 ± 0.009 χ^2/NDF : 18.4/18

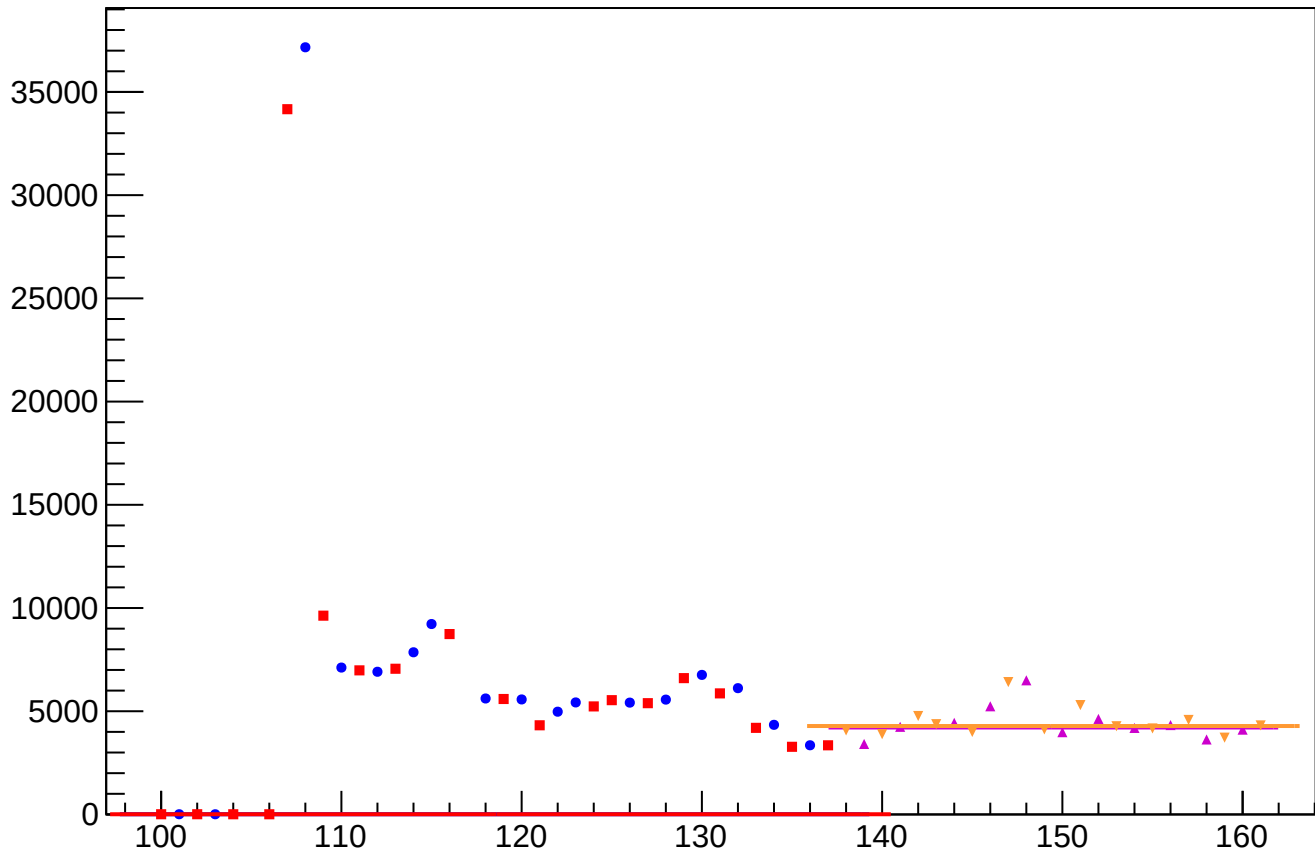
Left In: -2.069 ± 1.428 χ^2/NDF : 17.9/10

0.001 ± 0.009 χ^2/NDF : 27.5/29

-0.007 ± 0.006 χ^2/NDF : 67.3/59

-0.014 ± 0.009 χ^2/NDF : 38.3/29

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10973577.1/16

Left Out: 4283.749 $\pm$ 0.982 χ^2 /NDF: 309779.8/12

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11152667.7/18

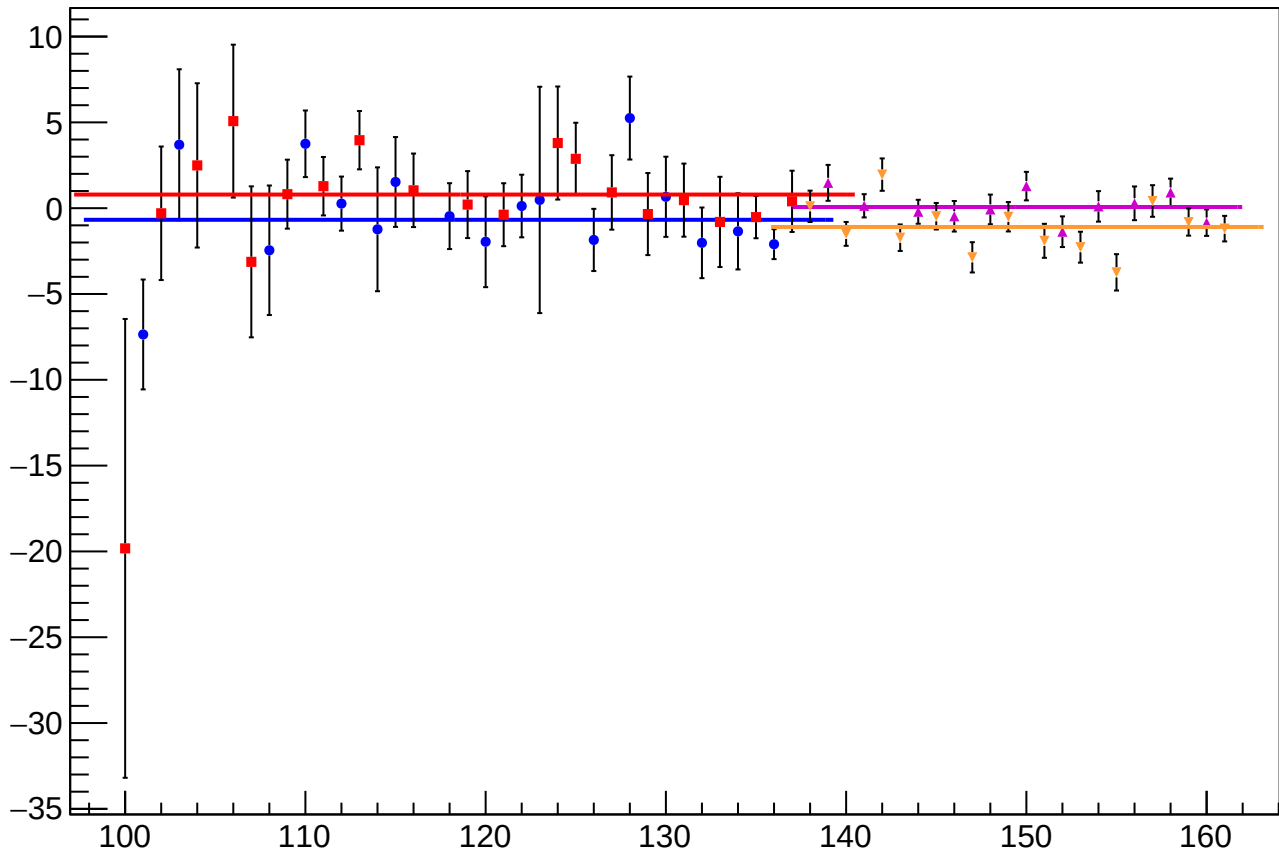
Left In: 4212.542 $\pm$ 1.010 χ^2 /NDF: 398768.2/10

10.126 $\pm$ 0.007 χ^2 /NDF: 30237337.9/29

10.063 $\pm$ 0.004 χ^2 /NDF: 59112769.8/59

10.008 $\pm$ 0.006 χ^2 /NDF: 28875259.4/29

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.095 ± 0.235 χ^2/NDF : 29.8/12

Right Out: 0.795 ± 0.501 χ^2/NDF : 12.0/18

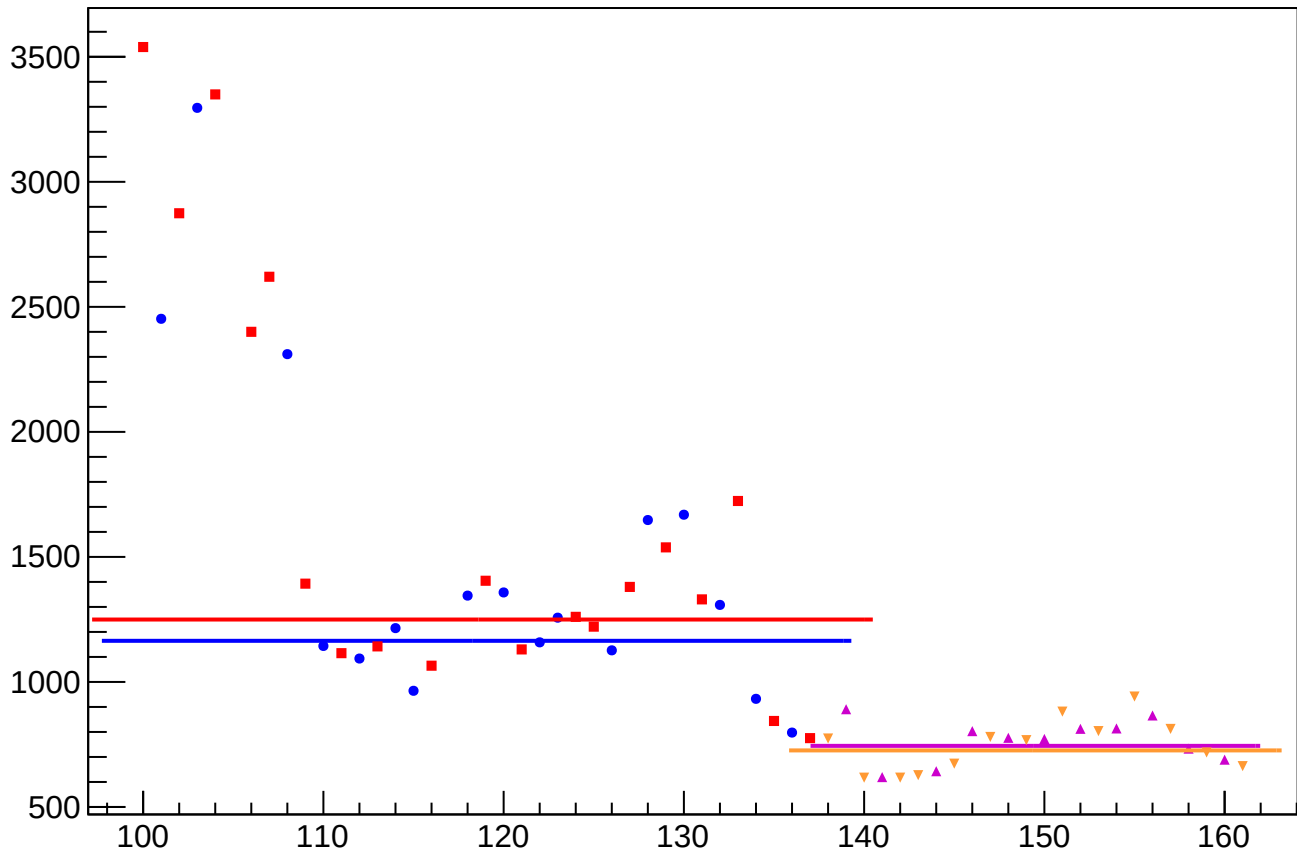
Left In: 0.068 ± 0.250 χ^2/NDF : 9.7/10

-1.015 ± 0.211 χ^2/NDF : 52.7/29

-0.436 ± 0.154 χ^2/NDF : 91.9/59

0.213 ± 0.224 χ^2/NDF : 23.3/29

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 +/- 0.342 χ^2/NDF : 1584212.9/16

Left Out: 726.192 +/- 0.166 χ^2/NDF : 313980.8/12

Right Out: 1249.596 +/- 0.354 χ^2/NDF : 1650133.1/18

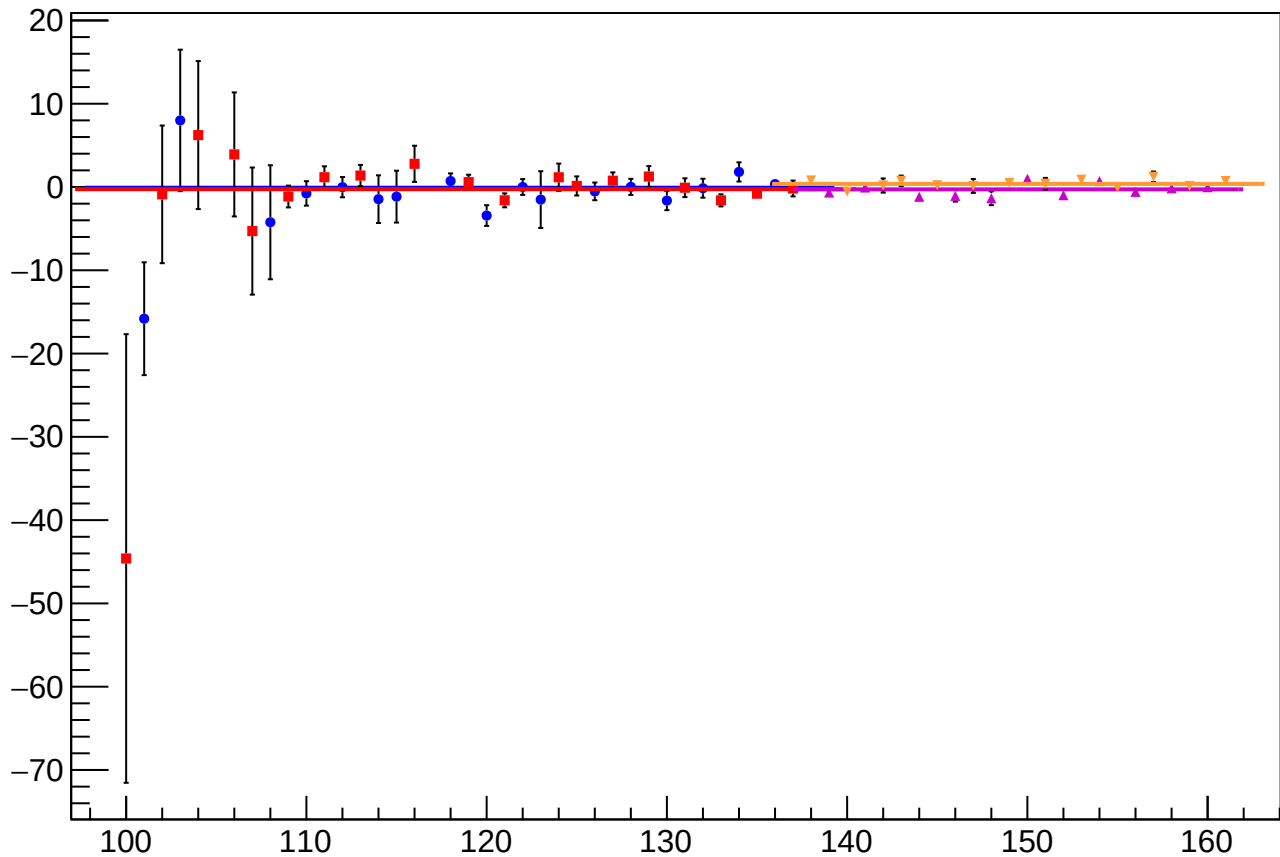
Left In: 744.403 +/- 0.177 χ^2/NDF : 228526.6/10

809.734 +/- 0.149 χ^2/NDF : 3224743.9/29

826.447 +/- 0.109 χ^2/NDF : 6755903.4/59

845.202 +/- 0.158 χ^2/NDF : 3504624.7/29

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.373 ± 0.166 χ^2/NDF : 8.1/12

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

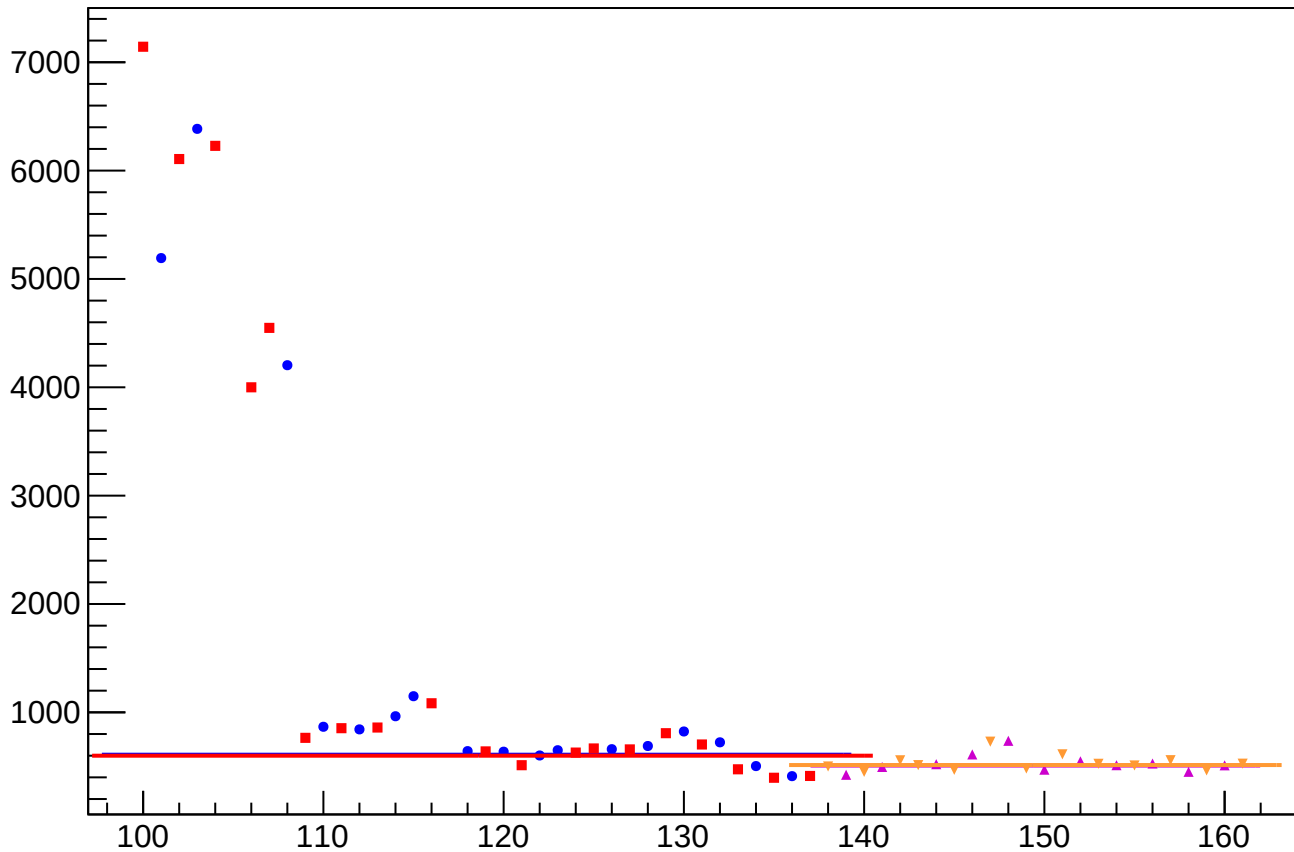
Left In: -0.282 ± 0.172 χ^2/NDF : 17.5/10

0.247 ± 0.142 χ^2/NDF : 31.3/29

-0.009 ± 0.101 χ^2/NDF : 75.9/59

-0.276 ± 0.144 χ^2/NDF : 37.9/29

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 513.598+/-0.117 χ^2/NDF : 262947.5/12

Right Out: 599.910+/-0.187 χ^2/NDF : 3547599.8/18

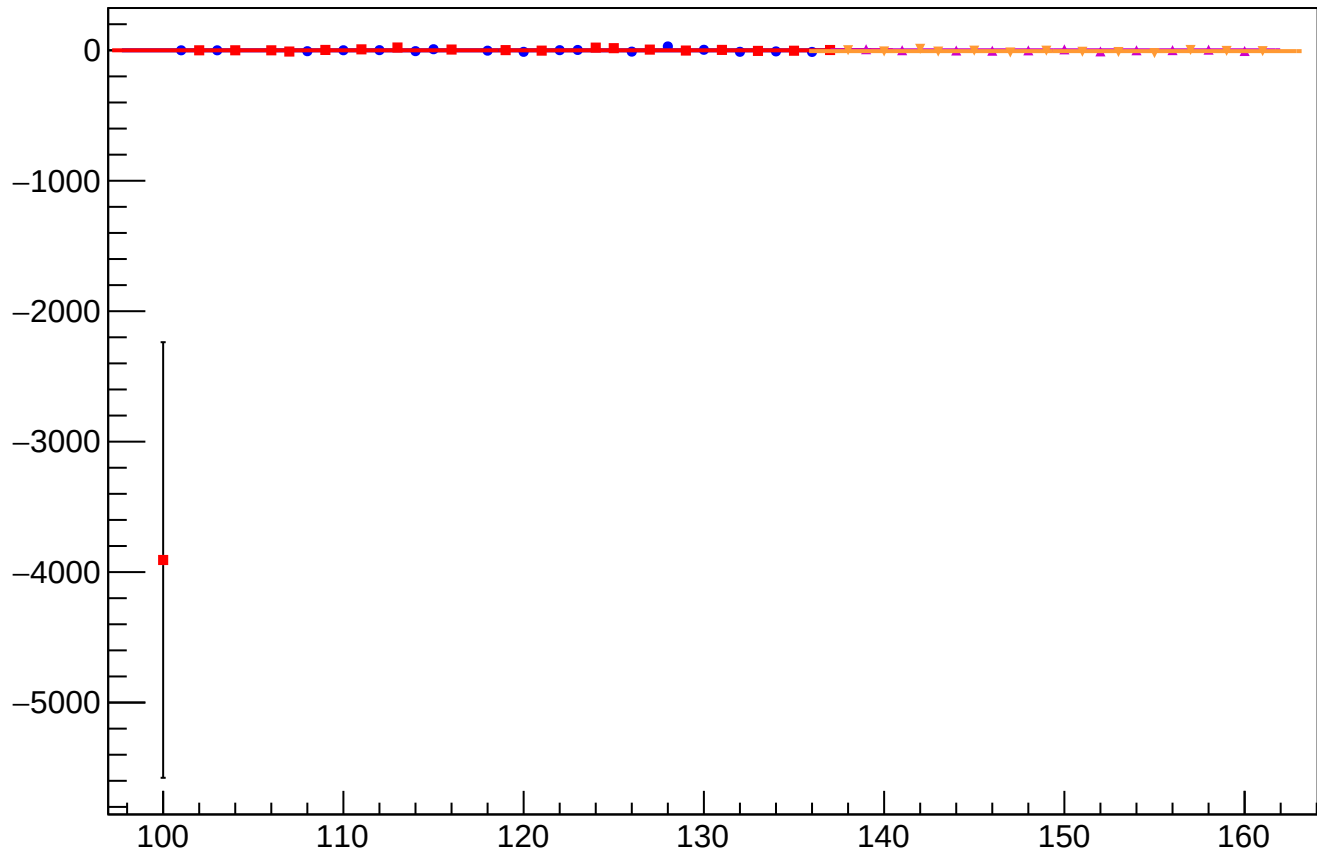
Left In: 508.792+/-0.122 χ^2/NDF : 303147.8/10

539.777+/-0.100 χ^2/NDF : 3583225.5/29

537.863+/-0.071 χ^2/NDF : 7601720.8/59

535.877+/-0.102 χ^2/NDF : 4017749.8/29

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -6.287 ± 1.367 χ^2/NDF : 29.8/12

Right Out: 0.027 ± 0.020 χ^2/NDF : 17.3/18

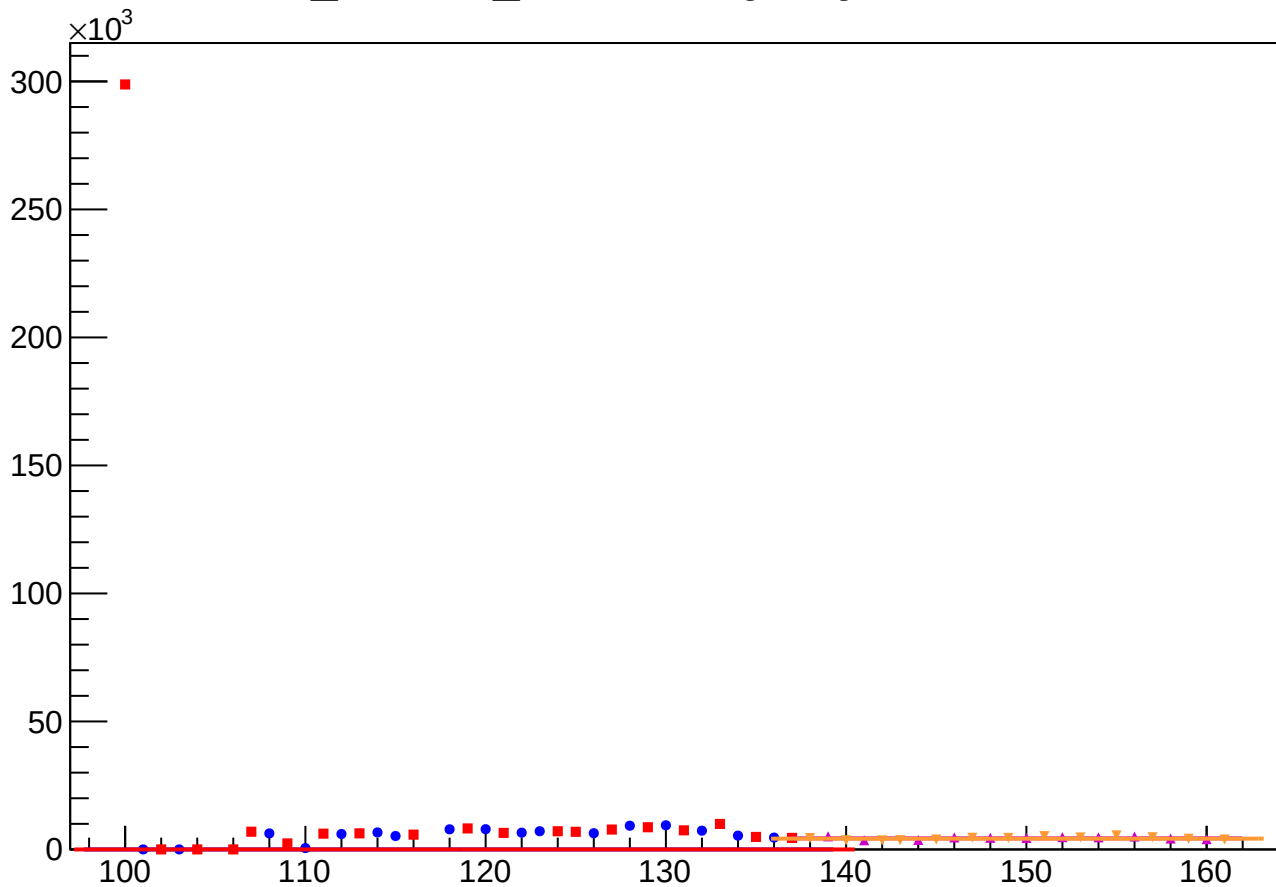
Left In: 0.358 ± 1.458 χ^2/NDF : 9.6/10

-0.023 ± 0.021 χ^2/NDF : 66.0/29

0.003 ± 0.014 χ^2/NDF : 95.9/59

0.027 ± 0.020 χ^2/NDF : 26.9/29

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4223.046 $\pm$ 0.967 χ^2 /NDF: 333390.4/12

Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 10813350.8/18

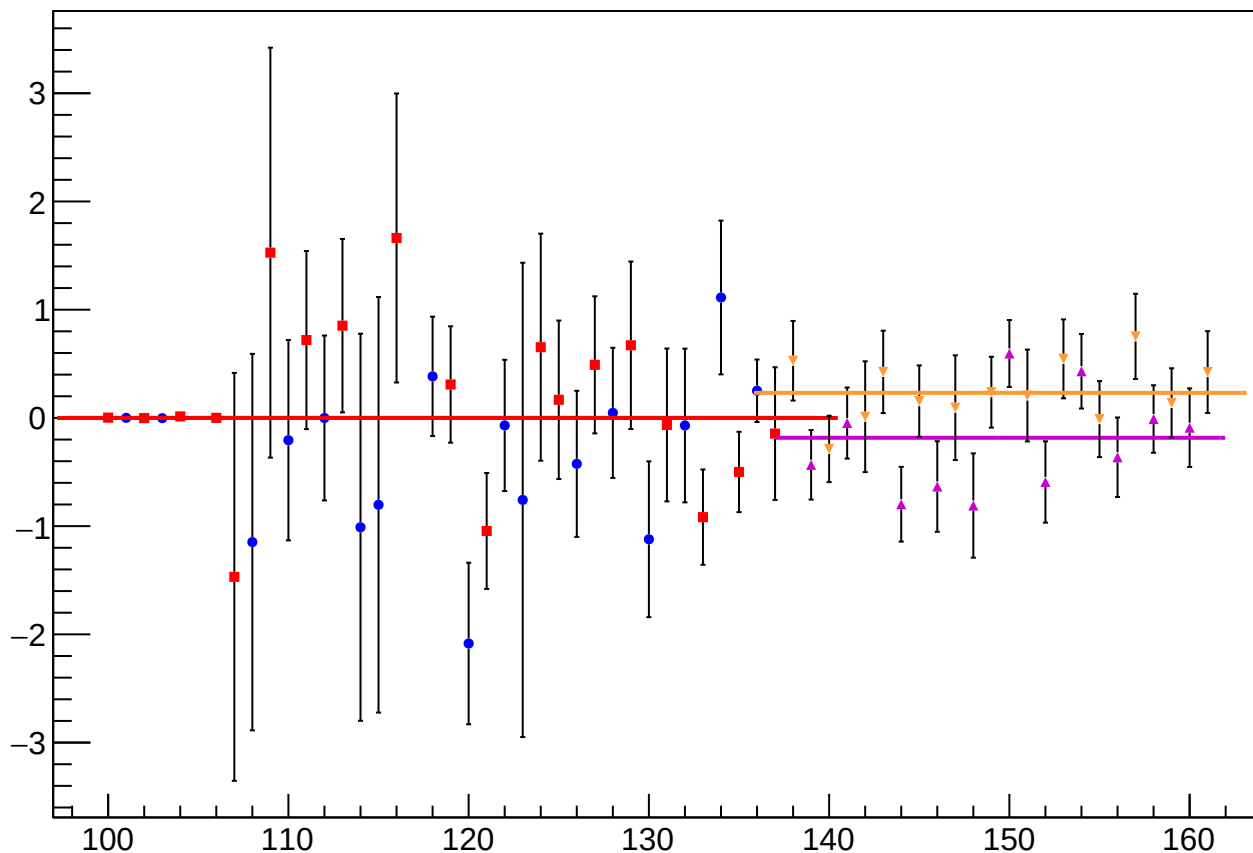
Left In: 4335.271 $\pm$ 1.031 χ^2 /NDF: 240182.4/10

18.310 $\pm$ 0.015 χ^2 /NDF: 29616238.6/29

18.180 $\pm$ 0.010 χ^2 /NDF: 58207538.7/59

18.062 $\pm$ 0.014 χ^2 /NDF: 28591151.7/29

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2/NDF : 15.6/16

Left Out: 0.232 $\pm$ 0.102 χ^2/NDF : 7.4/12

Right Out: -0.001 $\pm$ 0.002 χ^2/NDF : 17.8/18

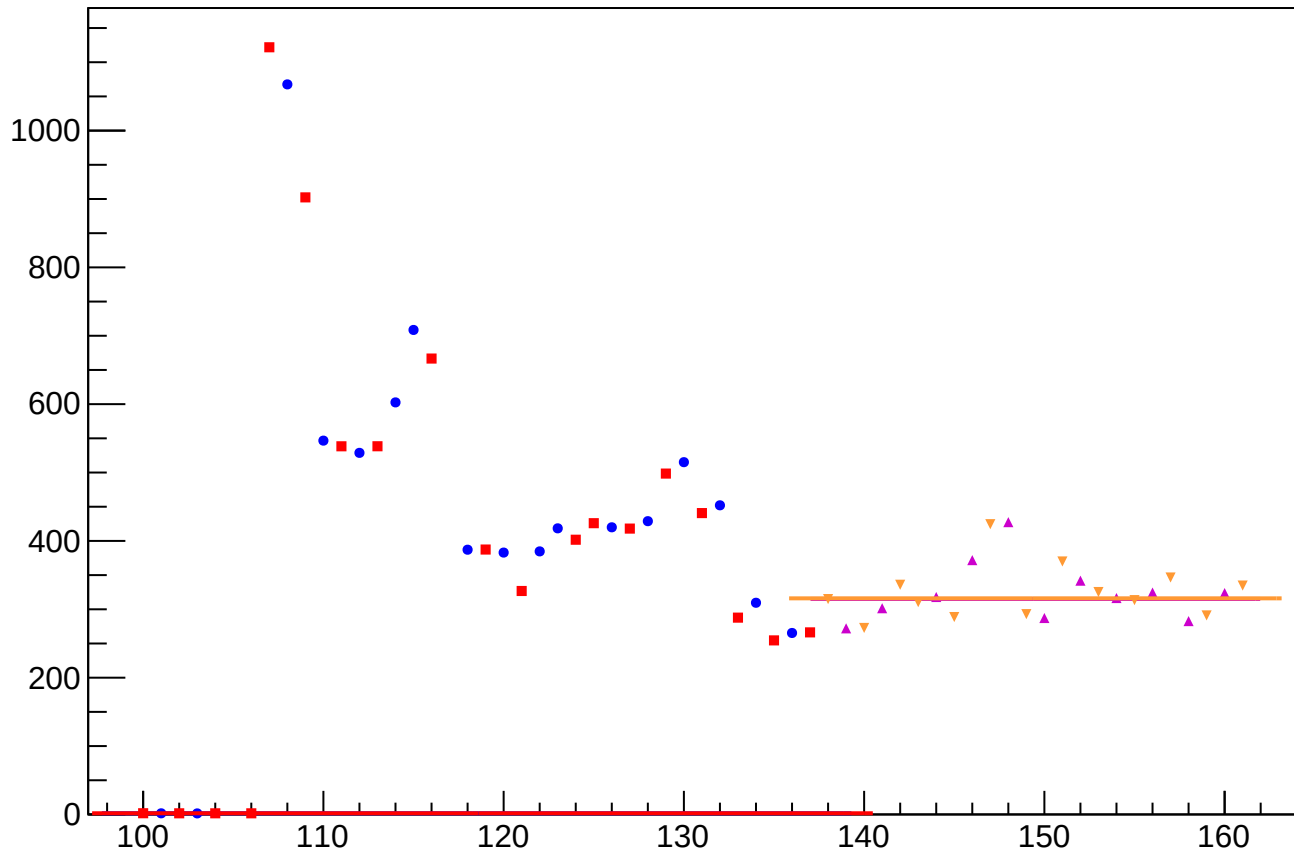
Left In: -0.183 $\pm$ 0.106 χ^2/NDF : 18.1/10

0.000 $\pm$ 0.002 χ^2/NDF : 28.2/29

-0.000 $\pm$ 0.001 χ^2/NDF : 67.2/59

-0.001 $\pm$ 0.002 χ^2/NDF : 38.9/29

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 316.015 $\pm$ 0.072 χ^2 /NDF: 230338.4/12

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

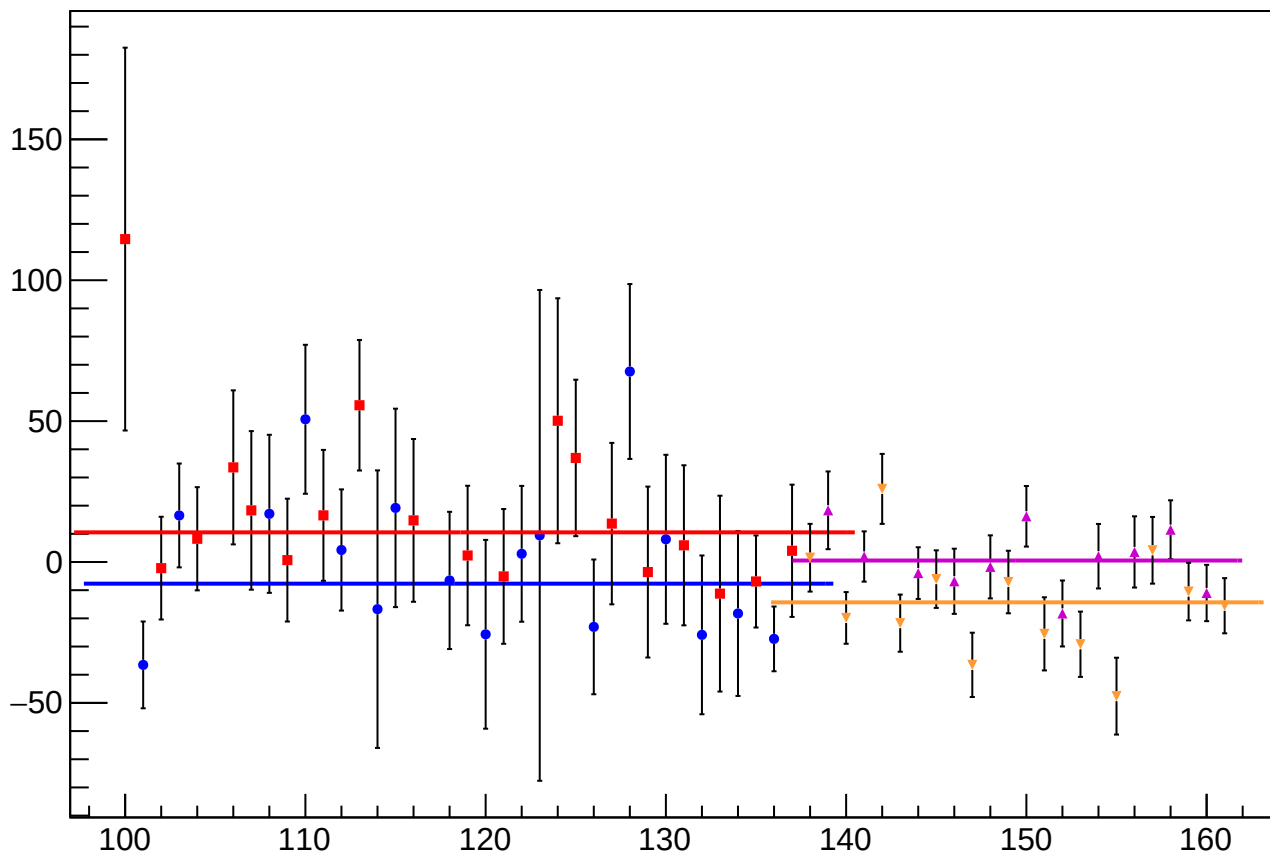
Left In: 315.145 $\pm$ 0.075 χ^2 /NDF: 235193.6/10

1.822 $\pm$ 0.001 χ^2 /NDF: 30086039.0/29

1.828 $\pm$ 0.001 χ^2 /NDF: 58460775.4/59

1.833 $\pm$ 0.001 χ^2 /NDF: 28374707.5/29

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -14.313 ± 3.067 $\chi^2/\text{NDF}: 28.9/12$

Right Out: 10.524 ± 5.682 $\chi^2/\text{NDF}: 11.9/18$

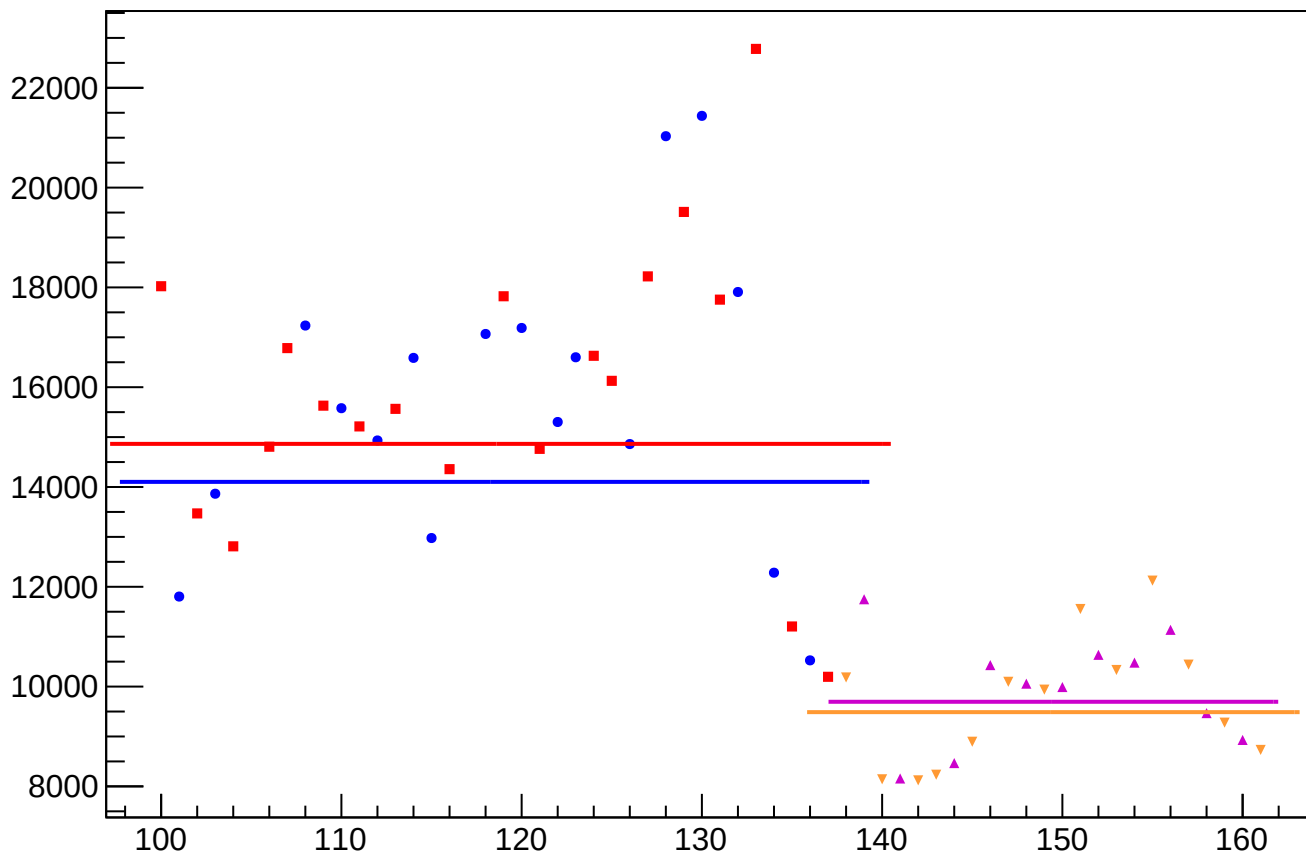
Left In: 0.528 ± 3.258 $\chi^2/\text{NDF}: 9.6/10$

-12.795 ± 2.693 $\chi^2/\text{NDF}: 52.4/29$

-5.278 ± 1.950 $\chi^2/\text{NDF}: 92.5/59$

3.002 ± 2.827 $\chi^2/\text{NDF}: 23.8/29$

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 +/- 3.979 χ^2/NDF : 598934.8/16

Left Out: 9487.834 +/- 2.169 χ^2/NDF : 282115.9/12

Right Out: 14864.163 +/- 4.018 χ^2/NDF : 470280.3/18

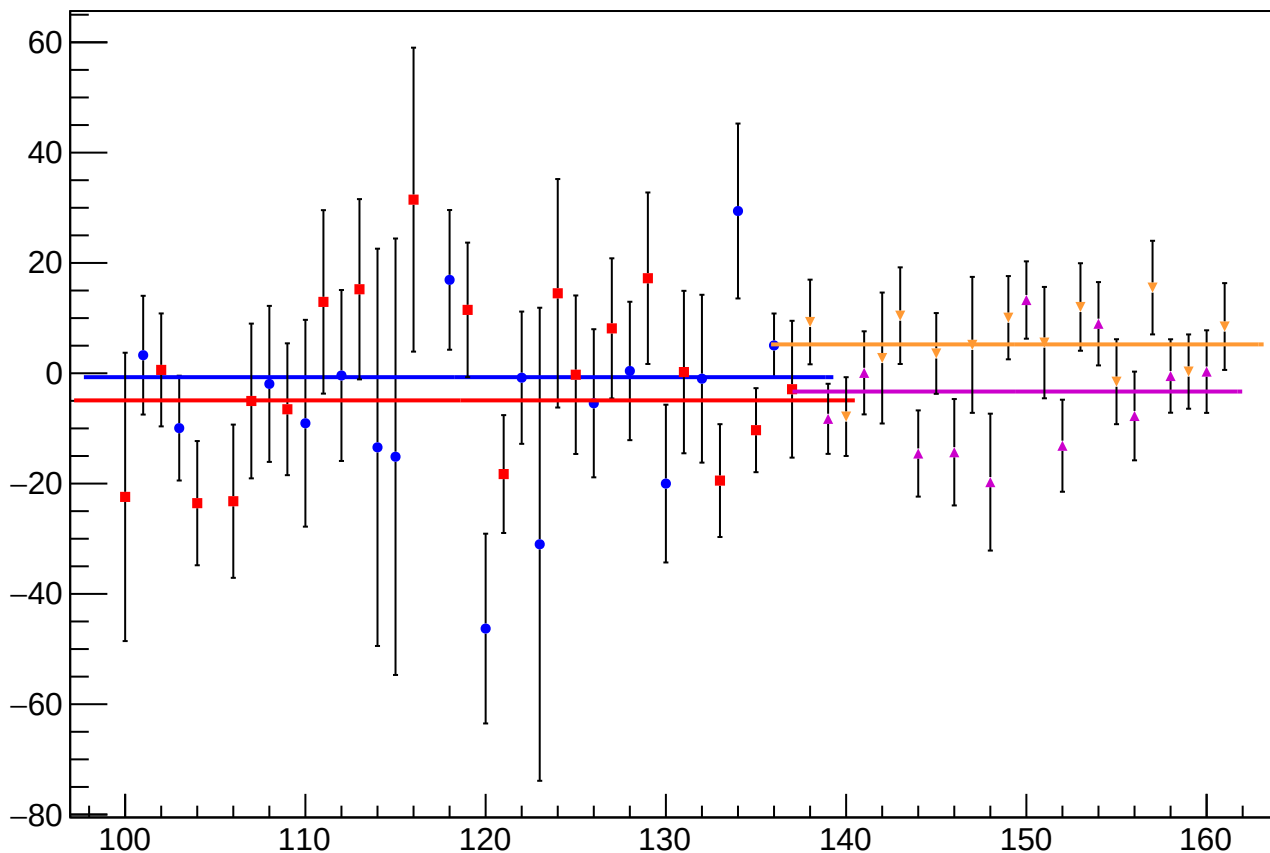
Left In: 9695.435 +/- 2.304 χ^2/NDF : 212316.8/10

10544.731 +/- 1.904 χ^2/NDF : 1918021.3/29

10749.198 +/- 1.379 χ^2/NDF : 3870196.4/5

10974.457 +/- 1.999 χ^2/NDF : 1927944.3/29

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 $\pm$ 3.084 χ^2/NDF : 17.6/16

Left Out: 5.233 $\pm$ 2.270 χ^2/NDF : 8.2/12

Right Out: -4.918 $\pm$ 2.940 χ^2/NDF : 19.8/18

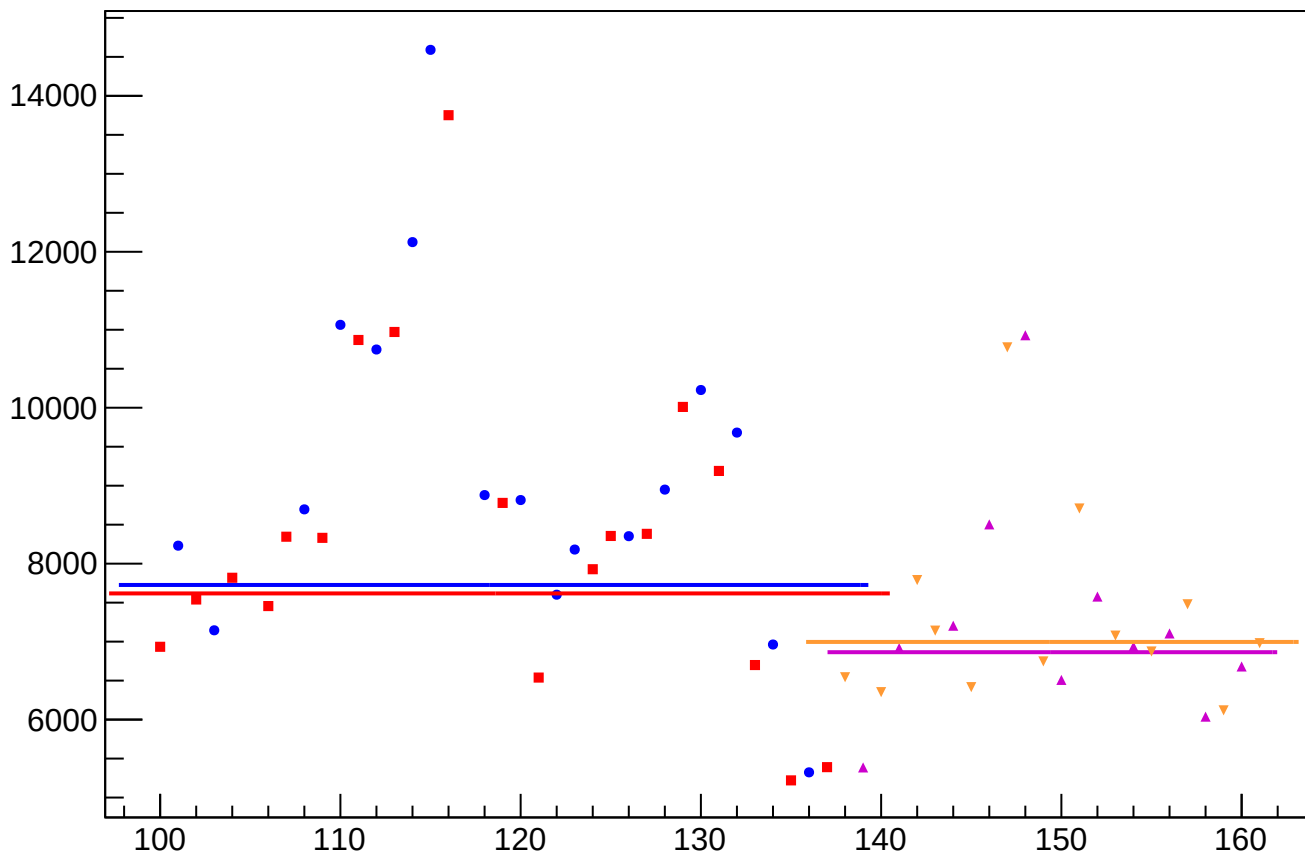
Left In: -3.315 $\pm$ 2.331 χ^2/NDF : 16.3/10

3.146 $\pm$ 1.828 χ^2/NDF : 28.1/29

-0.397 $\pm$ 1.292 χ^2/NDF : 71.9/59

-3.934 $\pm$ 1.826 χ^2/NDF : 36.2/29

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 6996.010 $\pm$ 1.605 χ^2 /NDF:334075.1/12

Right Out: 7618.206 $\pm$ 2.079 χ^2 /NDF: 675125.4/18

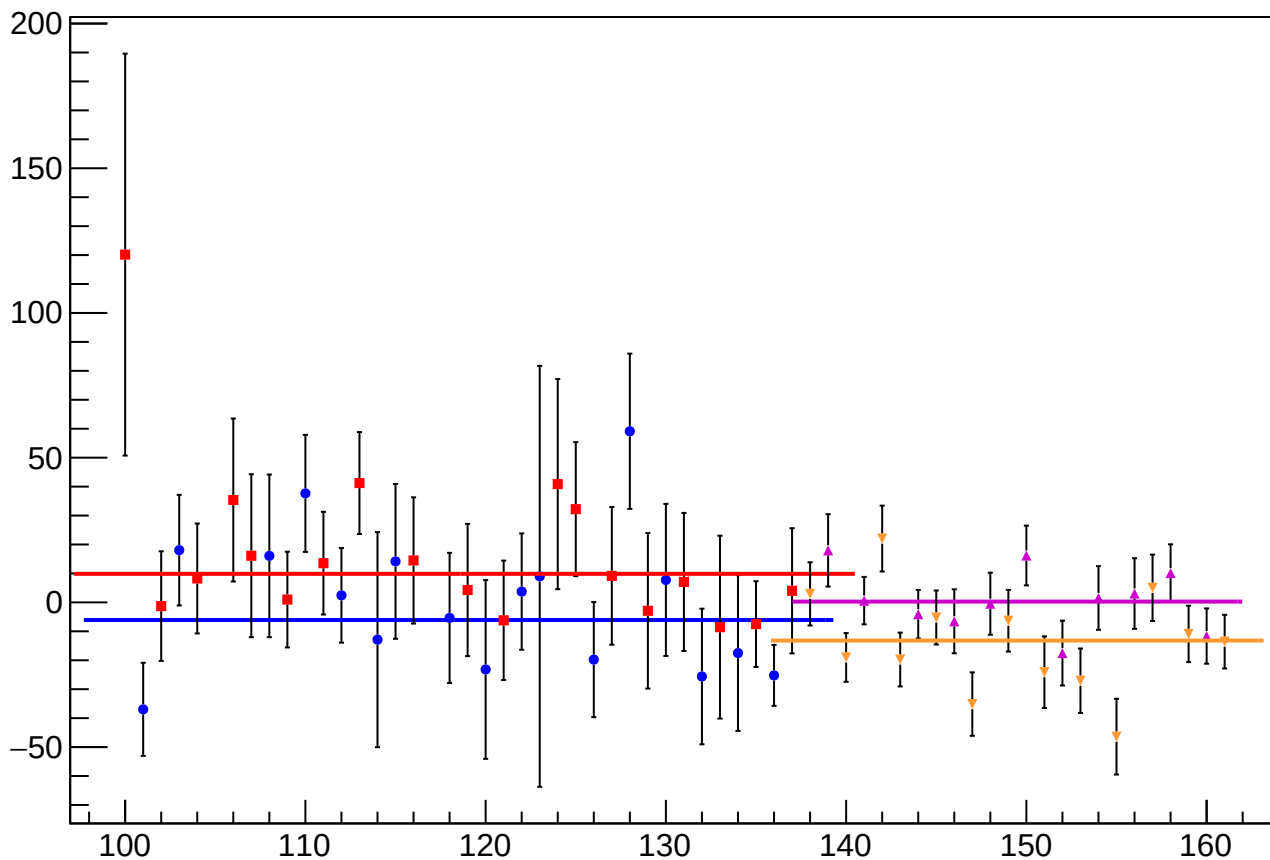
Left In: 6864.353 $\pm$ 1.648 χ^2 /NDF:438189.6/10

7252.769 $\pm$ 1.292 χ^2 /NDF: 1149442.2/29

7204.009 $\pm$ 0.914 χ^2 /NDF: 2346366.6/59

7155.330 $\pm$ 1.291 χ^2 /NDF: 1194080.1/29

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -13.197 ± 2.879 χ^2/NDF : 29.2/12

Right Out: 9.864 ± 5.004 χ^2/NDF : 11.6/18

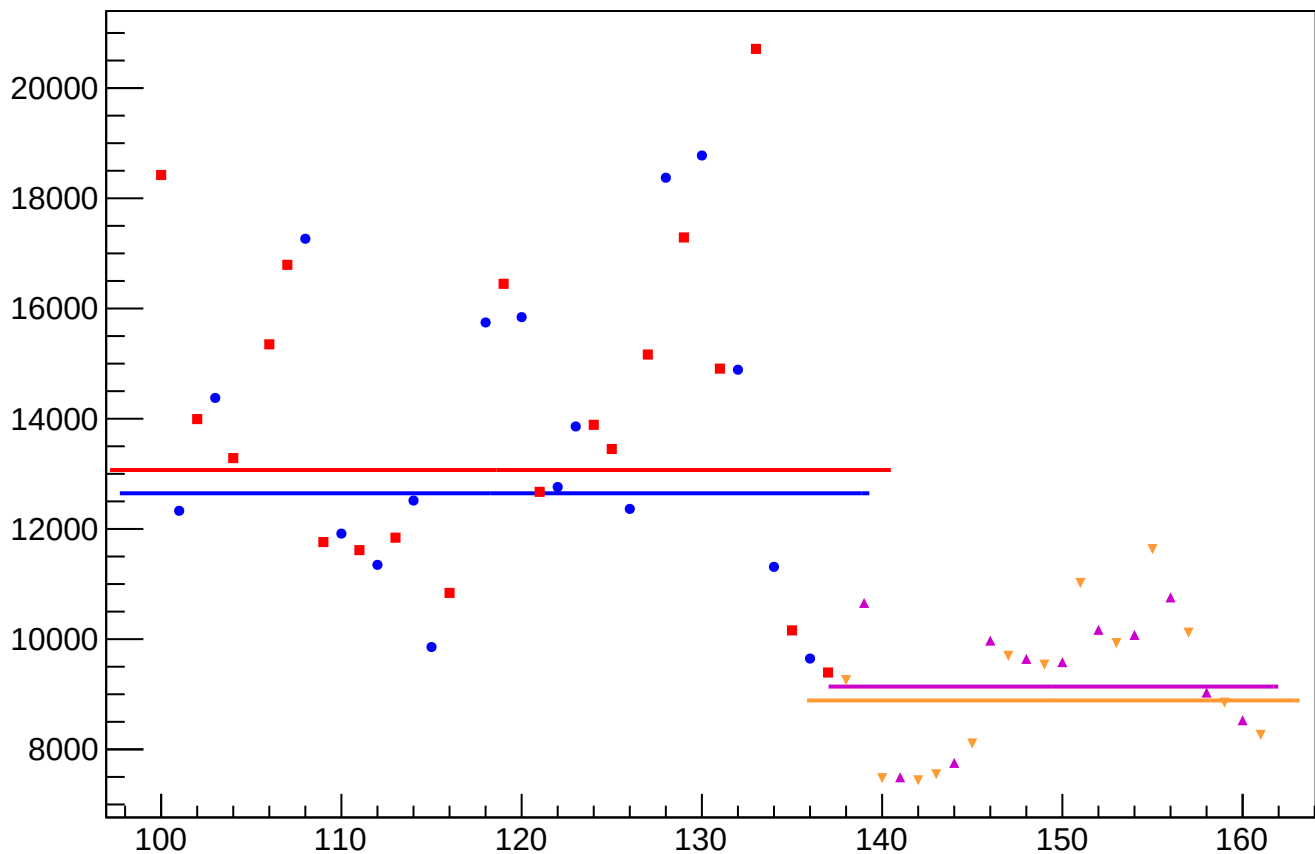
Left In: 0.265 ± 3.075 χ^2/NDF : 10.2/10

-11.445 ± 2.499 χ^2/NDF : 53.6/29

-4.612 ± 1.808 χ^2/NDF : 93.8/59

2.897 ± 2.620 χ^2/NDF : 24.5/29

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2 /NDF: 554320.4/16

Left Out: 8887.499 $\pm$ 2.036 χ^2 /NDF: 361754.7/12

Right Out: 13069.930 $\pm$ 3.538 χ^2 /NDF: 496271.7/18

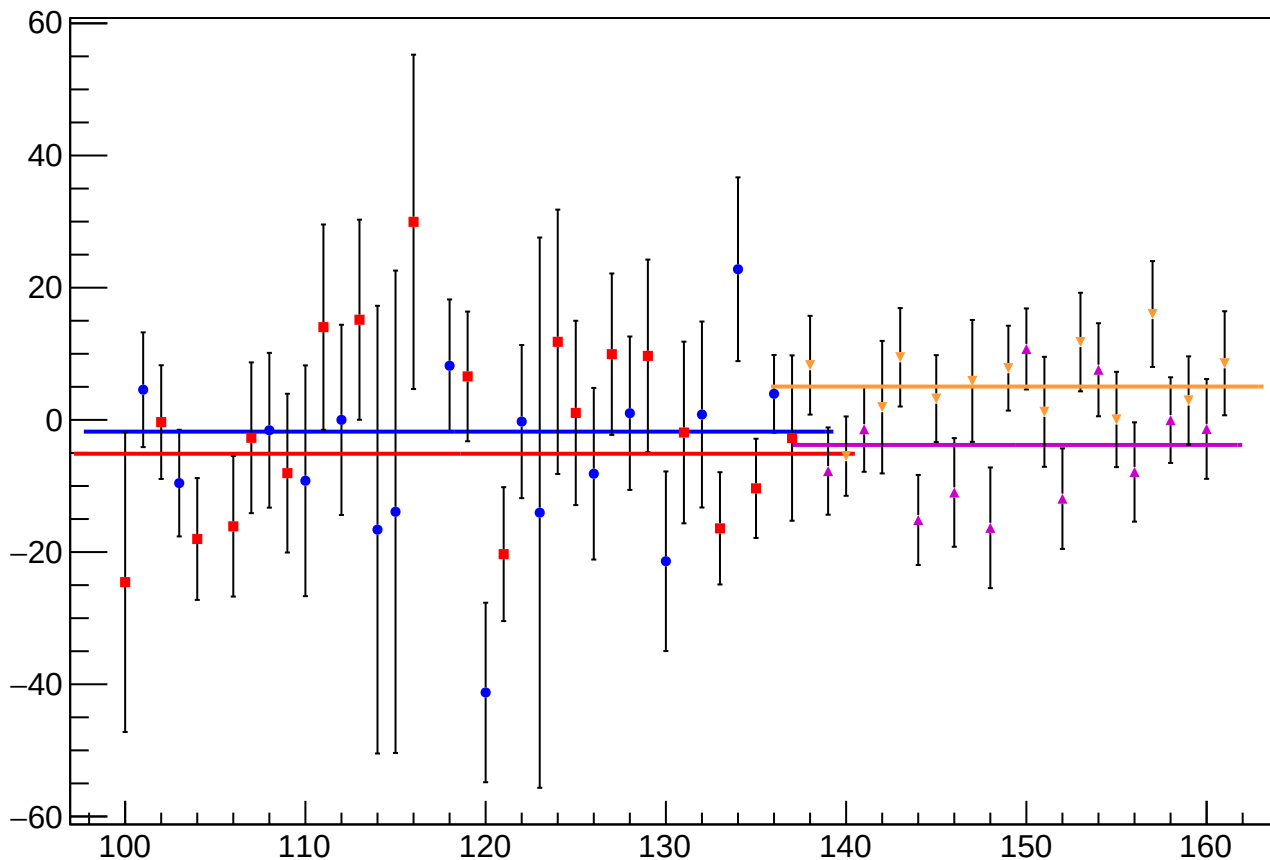
Left In: 9139.419 $\pm$ 2.175 χ^2 /NDF: 258926.0/10

9814.424 $\pm$ 1.767 χ^2 /NDF: 1756768.1/29

10006.295 $\pm$ 1.279 χ^2 /NDF: 3432477.2/5

10217.137 $\pm$ 1.853 χ^2 /NDF: 1650970.6/29

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 5.046 ± 2.047 χ^2/NDF : 7.7/12

Right Out: -5.122 ± 2.642 χ^2/NDF : 18.9/18

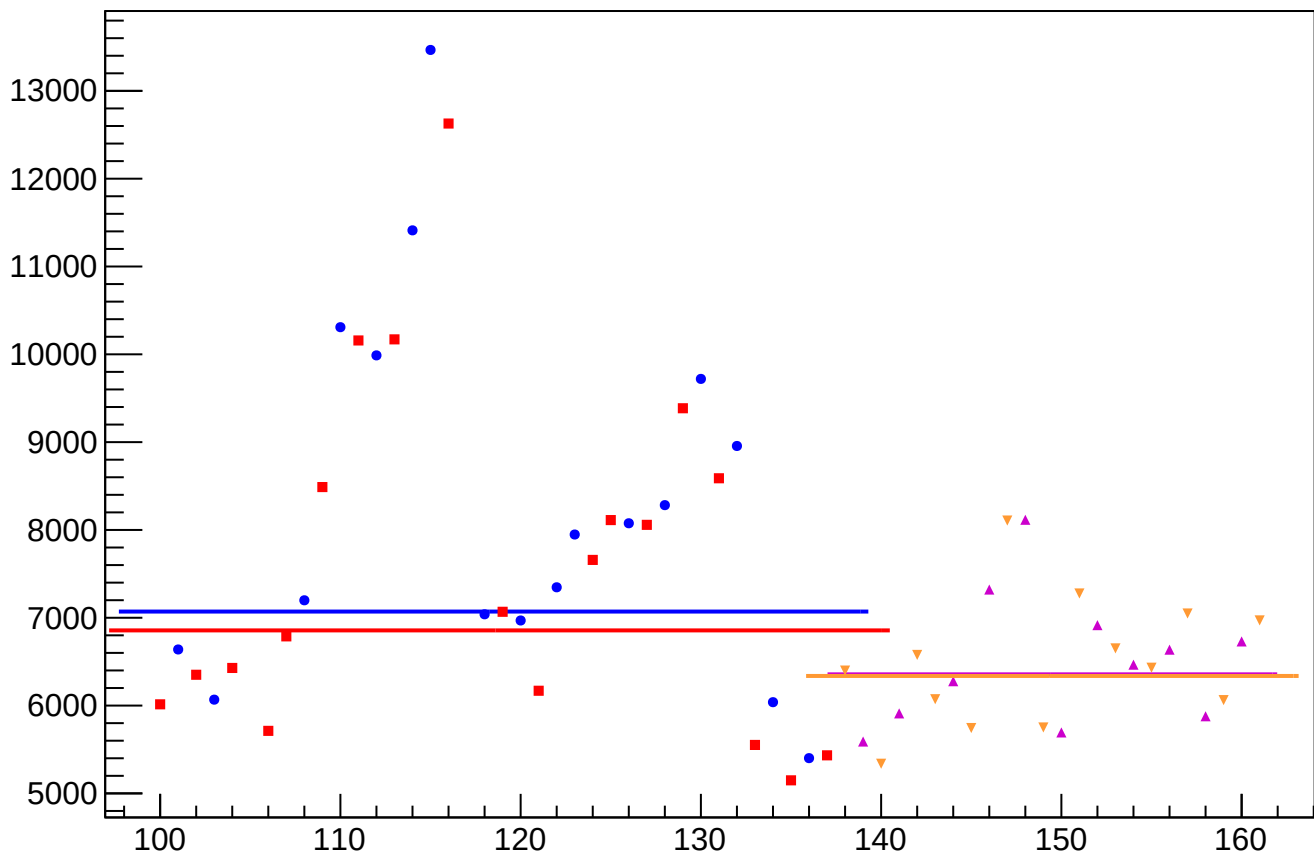
Left In: -3.789 ± 2.139 χ^2/NDF : 16.0/10

2.676 ± 1.654 χ^2/NDF : 29.5/29

-0.803 ± 1.172 χ^2/NDF : 73.5/59

-4.317 ± 1.662 χ^2/NDF : 35.1/29

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6337.359 $\pm$ 1.448 χ^2 /NDF: 227347.2/12

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

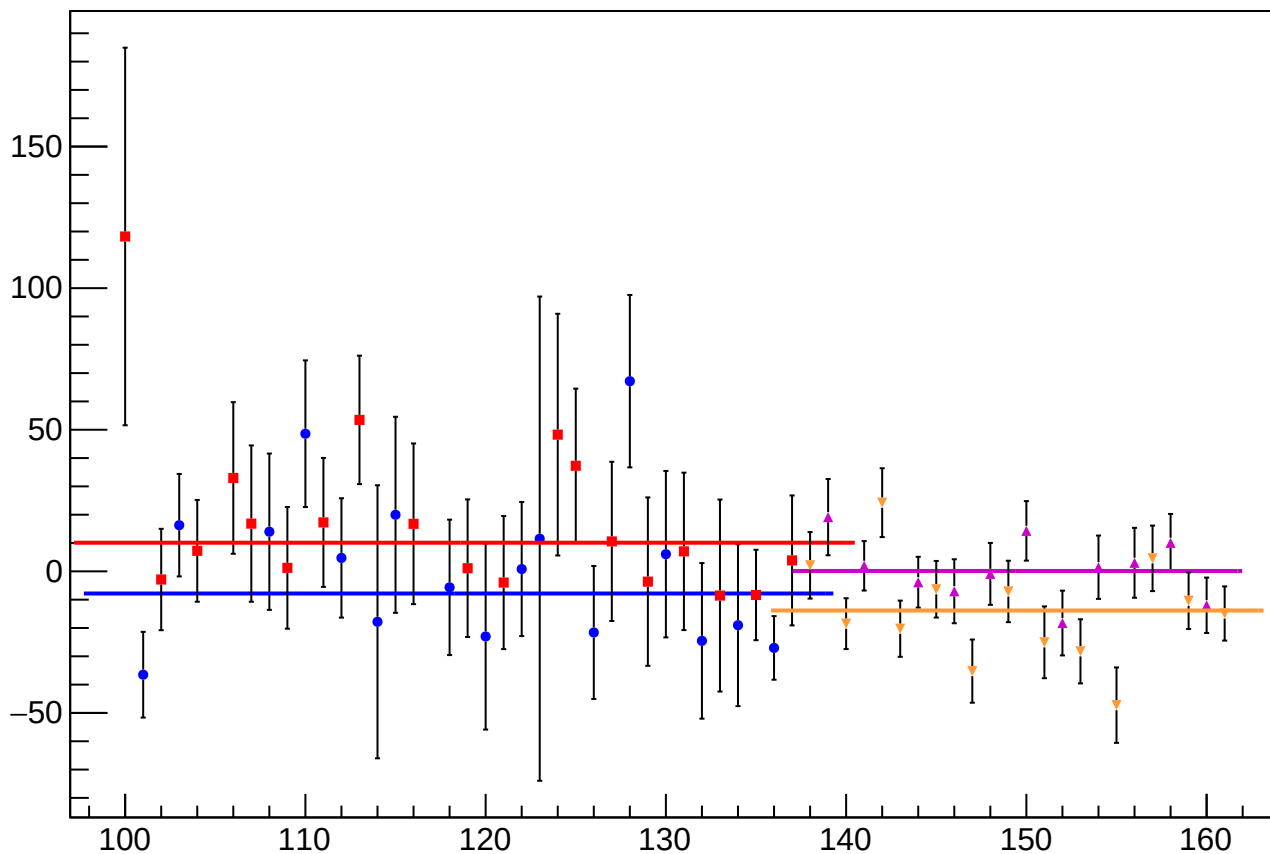
Left In: 6355.604 $\pm$ 1.512 χ^2 /NDF: 191876.7/10

6592.100 $\pm$ 1.169 χ^2 /NDF: 918183.9/29

6573.043 $\pm$ 0.829 χ^2 /NDF: 1836180.2/59

6553.788 $\pm$ 1.175 χ^2 /NDF: 917462.4/29

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -13.822 ± 2.998 $\chi^2/\text{NDF}: 28.4/12$

Right Out: 10.117 ± 5.571 $\chi^2/\text{NDF}: 12.2/18$

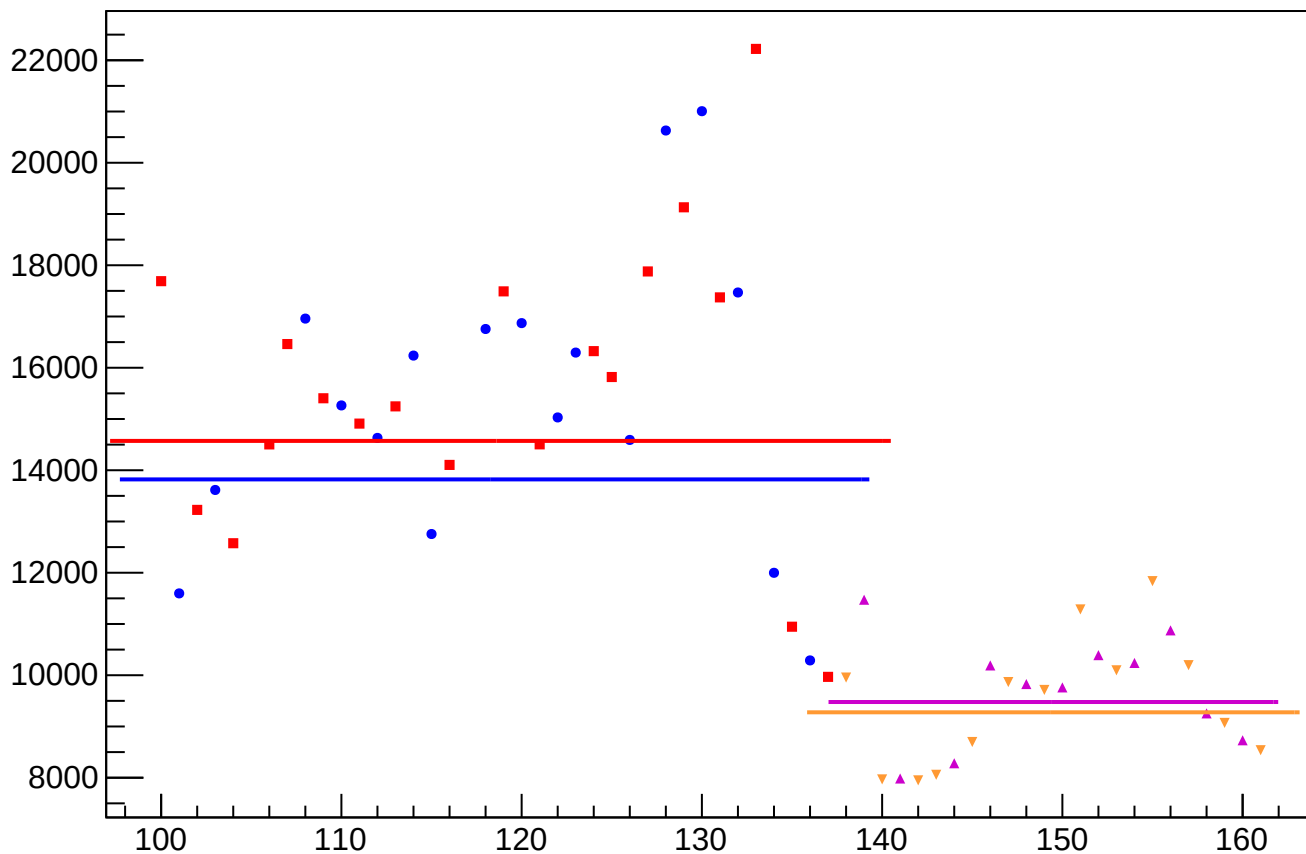
Left In: 0.137 ± 3.185 $\chi^2/\text{NDF}: 9.6/10$

-12.454 ± 2.634 $\chi^2/\text{NDF}: 51.5/29$

-5.293 ± 1.907 $\chi^2/\text{NDF}: 91.3/59$

2.595 ± 2.765 $\chi^2/\text{NDF}: 24.2/29$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9276.485+/-2.120 χ^2/NDF : 278883.1/12

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

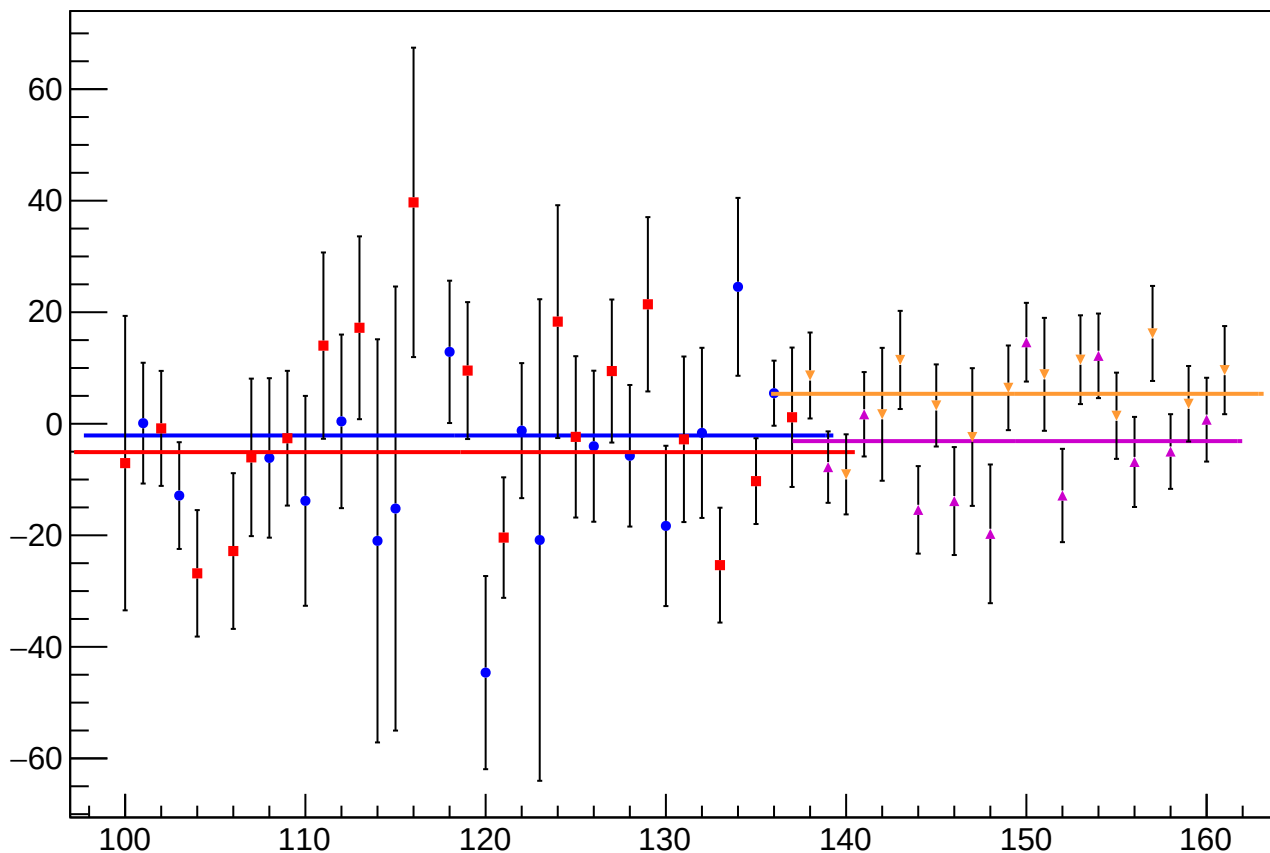
Left In: 9477.452+/-2.252 χ^2/NDF : 209699.9/10

10313.093+/-1.863 χ^2/NDF : 1929644.8/29

10512.584+/-1.349 χ^2/NDF : 3896647.6/5

10732.353+/-1.955 χ^2/NDF : 1942897.1/29

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 5.371 ± 2.280 $\chi^2/\text{NDF}: 8.2/12$

Right Out: -5.085 ± 2.962 $\chi^2/\text{NDF}: 24.8/18$

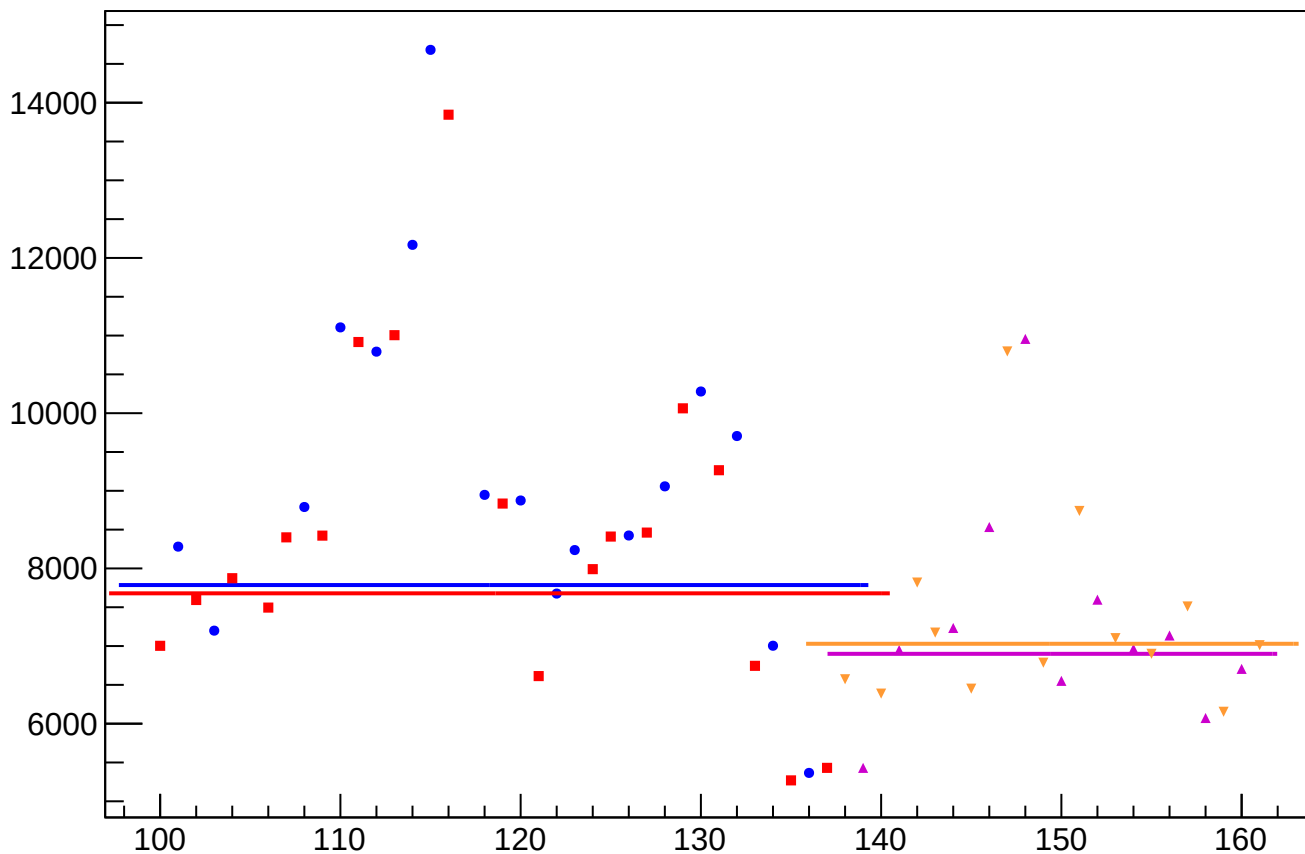
Left In: -3.111 ± 2.342 $\chi^2/\text{NDF}: 18.7/10$

2.756 ± 1.838 $\chi^2/\text{NDF}: 27.6/29$

-0.558 ± 1.299 $\chi^2/\text{NDF}: 77.9/59$

-3.870 ± 1.837 $\chi^2/\text{NDF}: 43.8/29$

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 ± 2.197 $\chi^2/\text{NDF}: 738101.9/16$

Left Out: 7029.272 ± 1.612 $\chi^2/\text{NDF}: 330477.1/12$

Right Out: 7679.182 ± 2.095 $\chi^2/\text{NDF}: 668736.8/18$

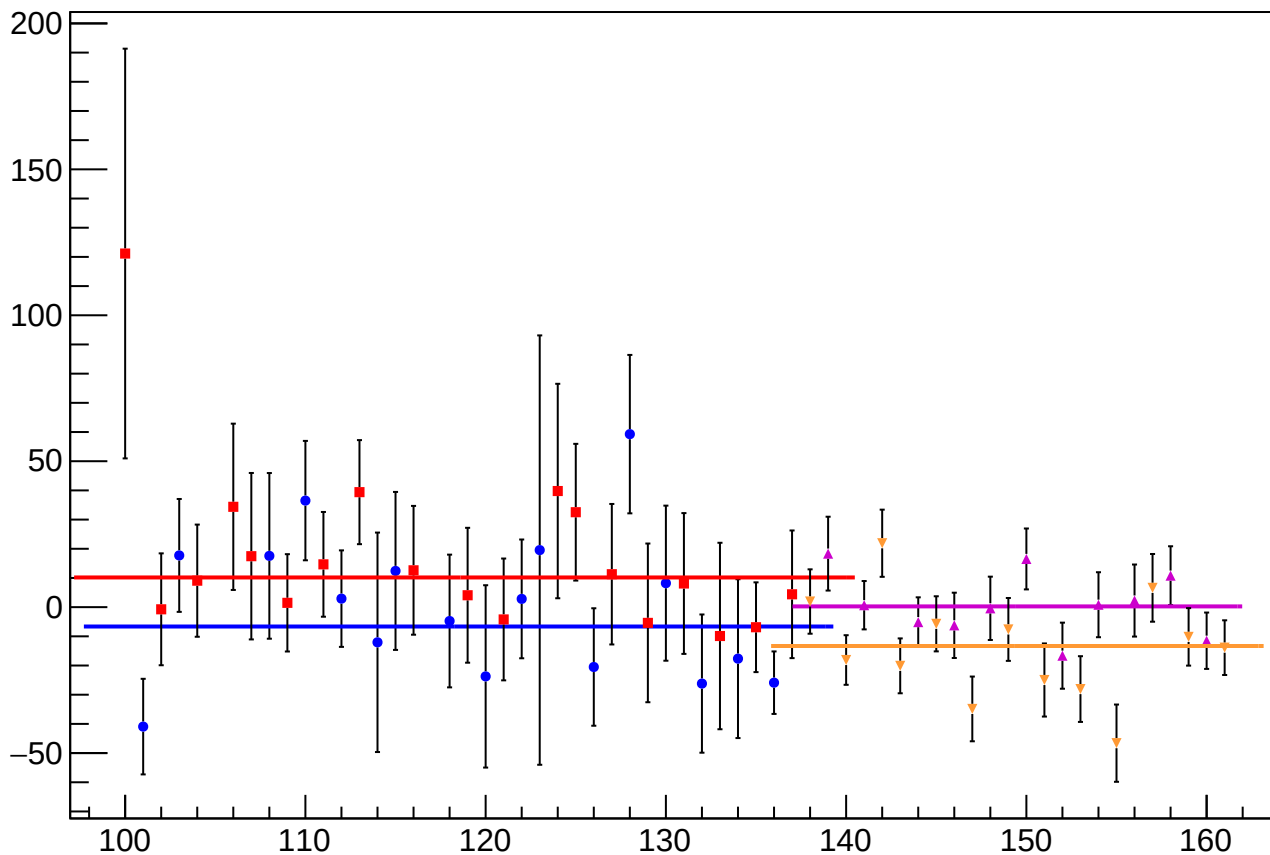
Left In: 6899.808 ± 1.656 $\chi^2/\text{NDF}: 431211.6/10$

7294.146 ± 1.300 $\chi^2/\text{NDF}: 1145699.5/29$

7246.848 ± 0.919 $\chi^2/\text{NDF}: 2333491.2/59$

7199.591 ± 1.299 $\chi^2/\text{NDF}: 1185143.9/29$

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -13.312 ± 2.911 χ^2/NDF : 28.8/12

Right Out: 10.172 ± 5.075 χ^2/NDF : 10.8/18

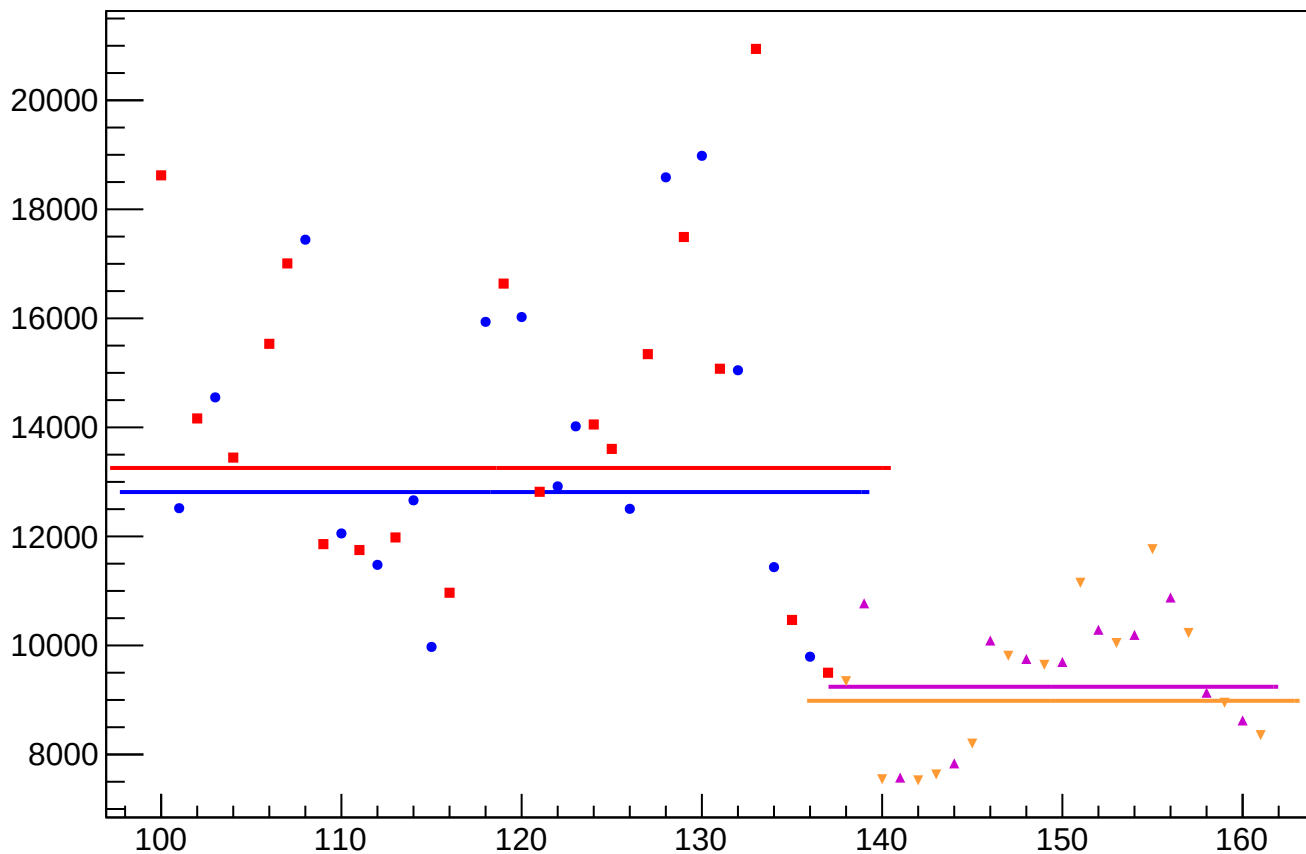
Left In: 0.256 ± 3.110 χ^2/NDF : 10.0/10

-11.672 ± 2.528 χ^2/NDF : 53.5/29

-4.702 ± 1.830 χ^2/NDF : 93.0/59

2.963 ± 2.652 χ^2/NDF : 23.6/29

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8984.788+/-2.058 χ^2/NDF : 363316.2/12

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

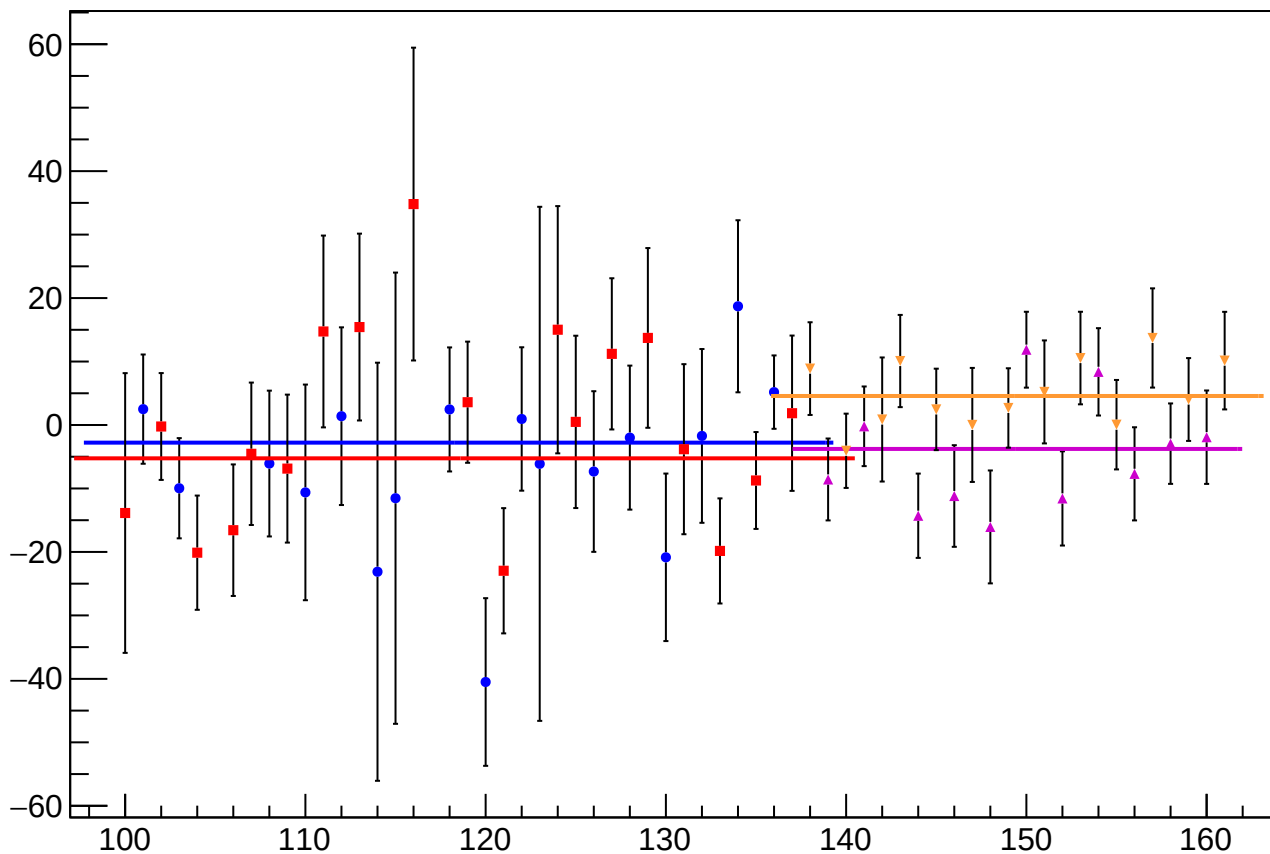
Left In: 9242.174+/-2.199 χ^2/NDF : 259934.9/10

9925.333+/-1.788 χ^2/NDF : 1761402.1/29

10121.811+/-1.294 χ^2/NDF : 3440336.4/5

10337.925+/-1.875 χ^2/NDF : 1653571.5/29

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 4.572 ± 1.998 χ^2/NDF : 6.7/12

Right Out: -5.252 ± 2.590 χ^2/NDF : 23.5/18

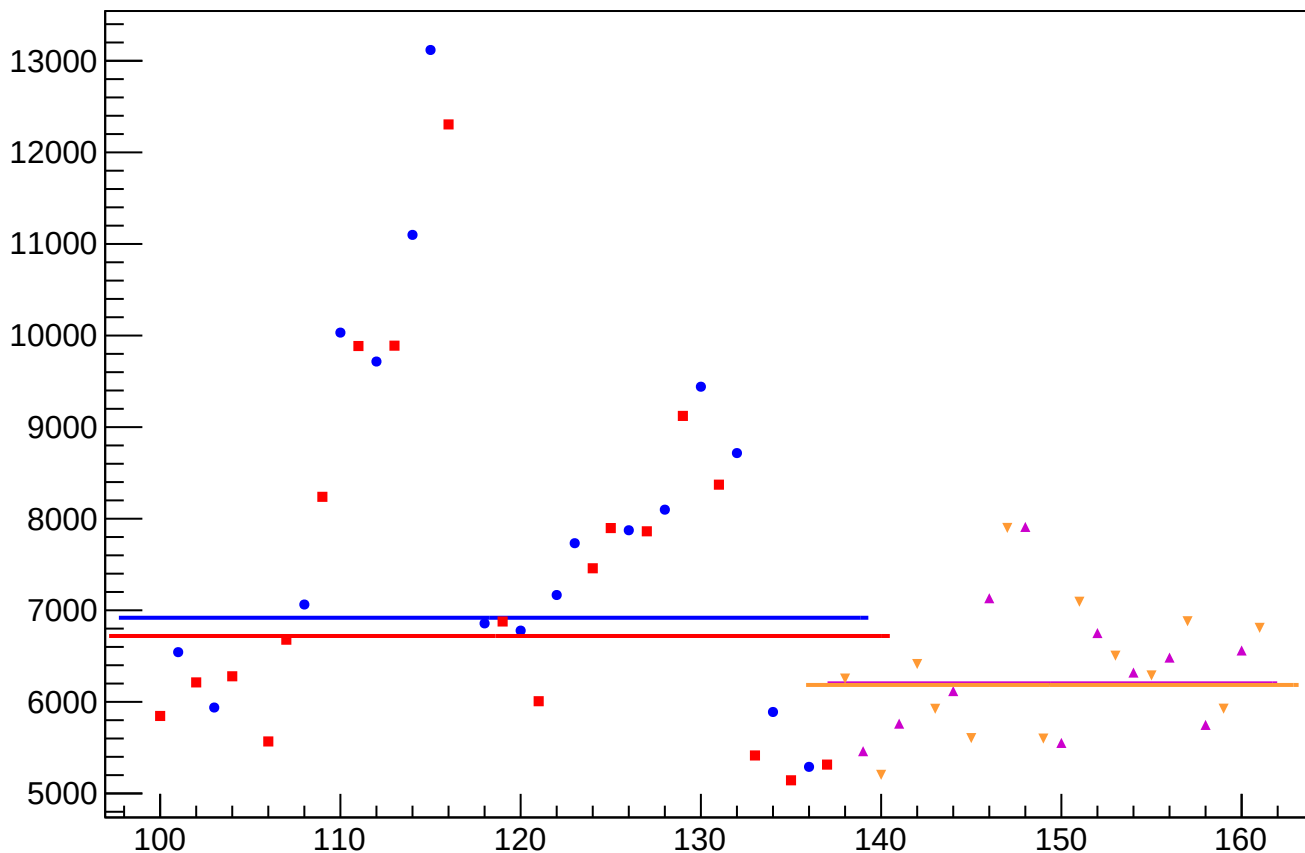
Left In: -3.771 ± 2.087 χ^2/NDF : 17.6/10

2.029 ± 1.616 χ^2/NDF : 28.4/29

-1.144 ± 1.146 χ^2/NDF : 77.5/59

-4.354 ± 1.625 χ^2/NDF : 41.3/29

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 χ^2/NDF : 587976.6/16

Left Out: 6184.864 ± 1.413 χ^2/NDF : 228337.5/12

Right Out: 6719.404 ± 1.831 χ^2/NDF : 653831.7/18

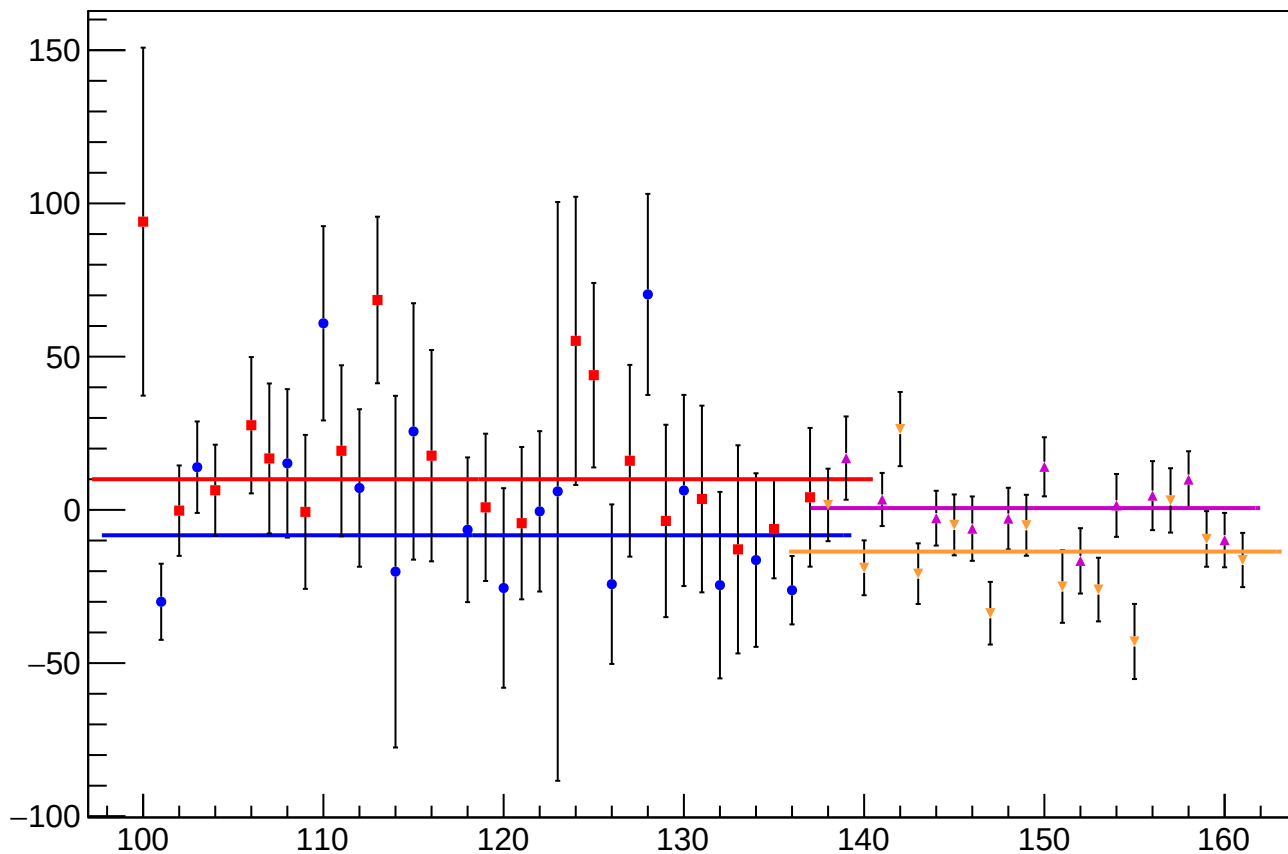
Left In: 6202.333 ± 1.476 χ^2/NDF : 190386.4/10

6438.693 ± 1.143 χ^2/NDF : 909617.8/29

6422.421 ± 0.810 χ^2/NDF : 1802579.3/59

6405.961 ± 1.149 χ^2/NDF : 892553.5/29

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -13.608 ± 2.845 χ^2/NDF : 29.7/12

Right Out: 10.007 ± 5.513 χ^2/NDF : 12.9/18

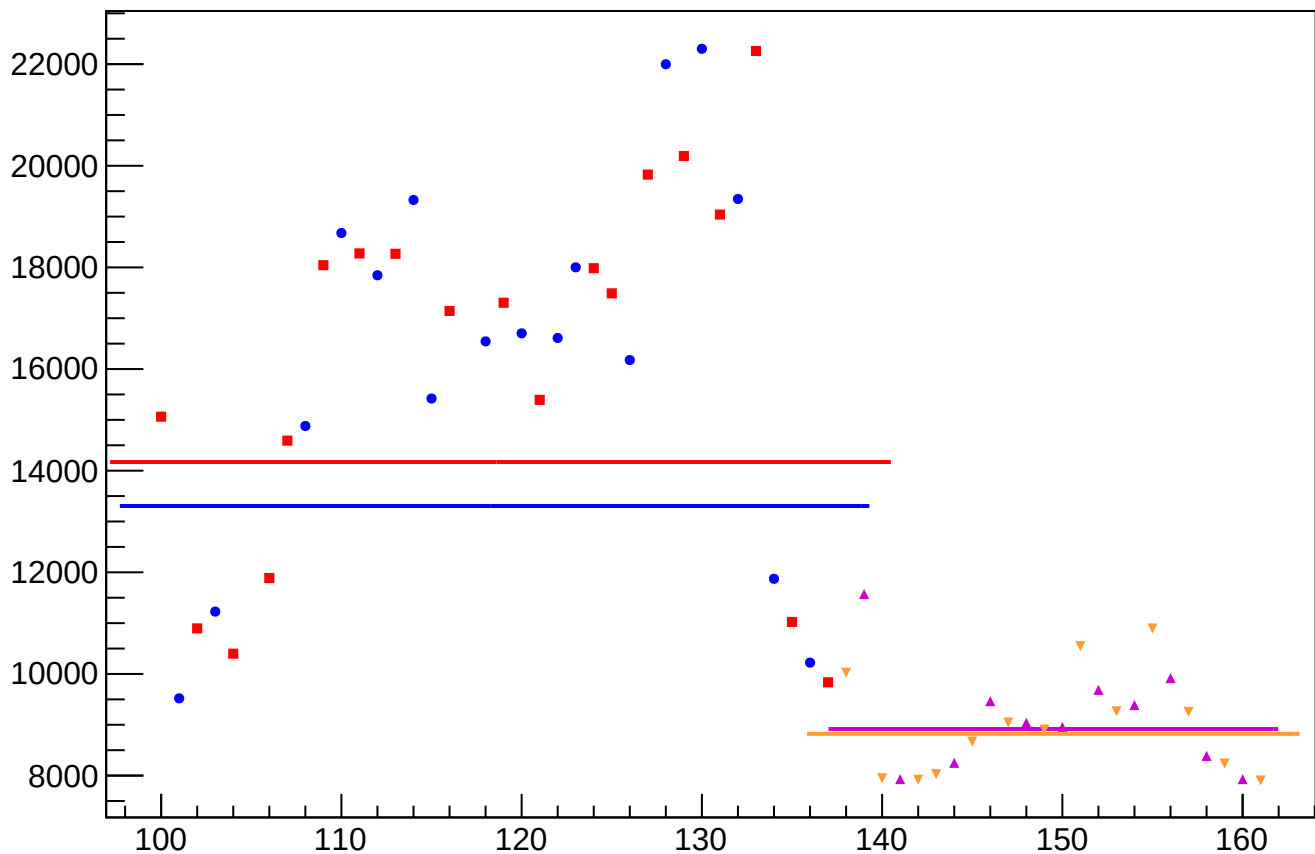
Left In: 0.585 ± 2.995 χ^2/NDF : 9.3/10

-12.455 ± 2.518 χ^2/NDF : 52.2/29

-5.195 ± 1.819 χ^2/NDF : 94.0/59

2.732 ± 2.631 χ^2/NDF : 24.5/29

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2 /NDF: 1044091.1/16

Left Out: 8822.609 $\pm$ 2.012 χ^2 /NDF: 201847.9/12

Right Out: 14170.668 $\pm$ 3.898 χ^2 /NDF: 930612.1/18

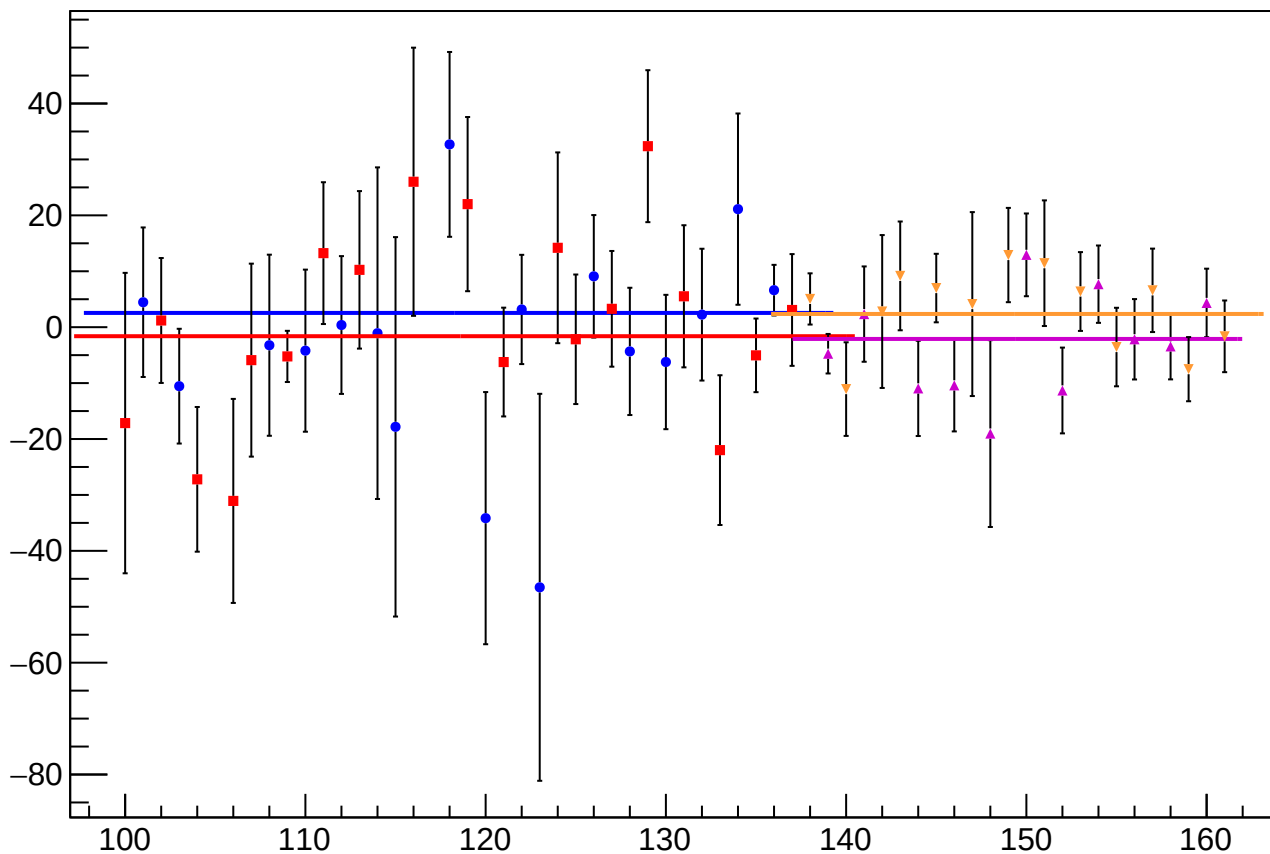
Left In: 8917.153 $\pm$ 2.118 χ^2 /NDF: 180899.2/10

9793.937 $\pm$ 1.781 χ^2 /NDF: 2321542.5/29

9946.963 $\pm$ 1.287 χ^2 /NDF: 4850844.9/59

10114.043 $\pm$ 1.861 χ^2 /NDF: 2513855.1/29

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 $\pm$ 2.757 χ^2/NDF : 13.6/16

Left Out: 2.365 $\pm$ 2.027 χ^2/NDF : 10.9/12

Right Out: -1.613 $\pm$ 2.442 χ^2/NDF : 24.0/18

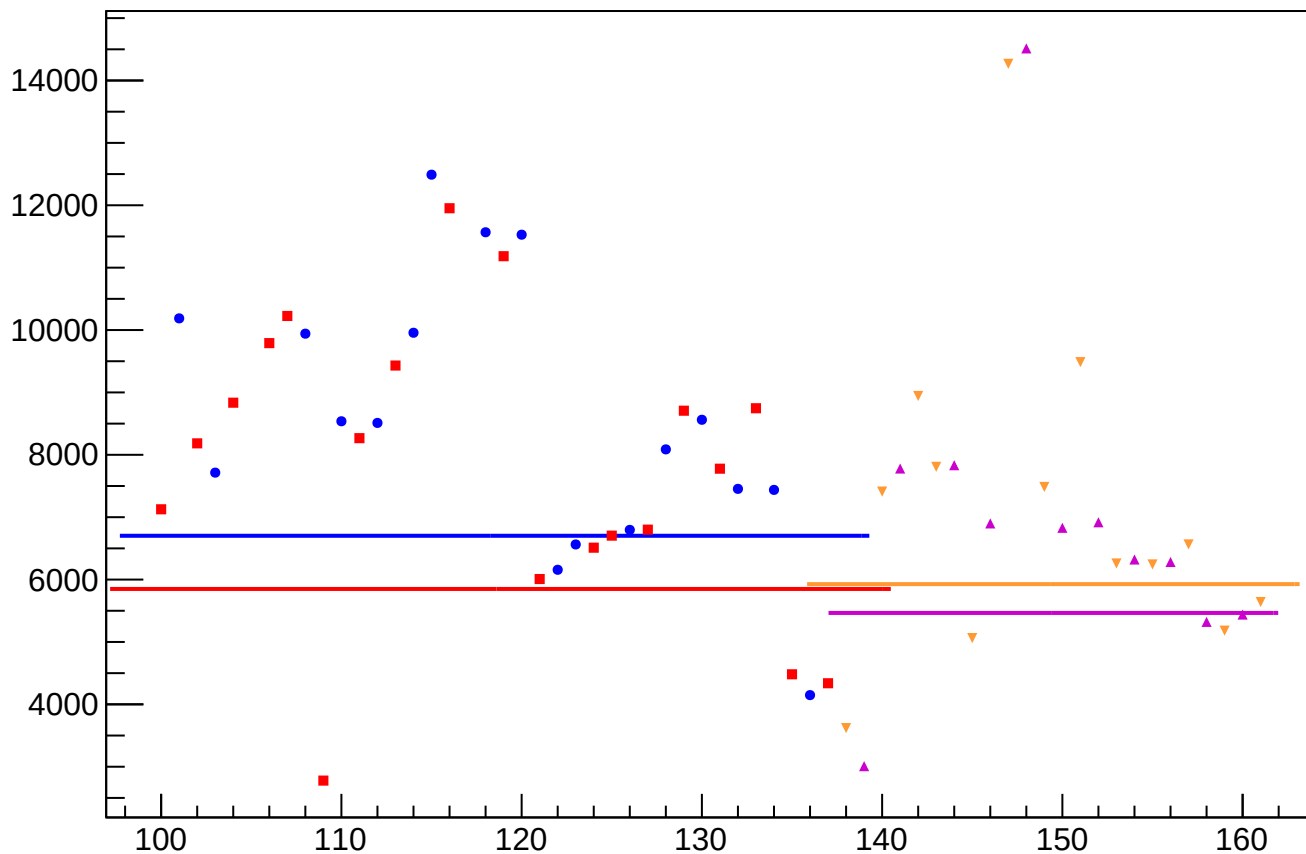
Left In: -2.103 $\pm$ 1.973 χ^2/NDF : 12.7/10

2.430 $\pm$ 1.633 χ^2/NDF : 24.6/29

0.125 $\pm$ 1.119 χ^2/NDF : 65.0/59

-1.910 $\pm$ 1.535 χ^2/NDF : 36.7/29

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245 ± 1.949 $\chi^2/\text{NDF}: 1389956.8/16$

Left Out: 5926.905 ± 1.434 $\chi^2/\text{NDF}: 1626597.0/12$

Right Out: 5849.606 ± 1.727 $\chi^2/\text{NDF}: 2278464.5/18$

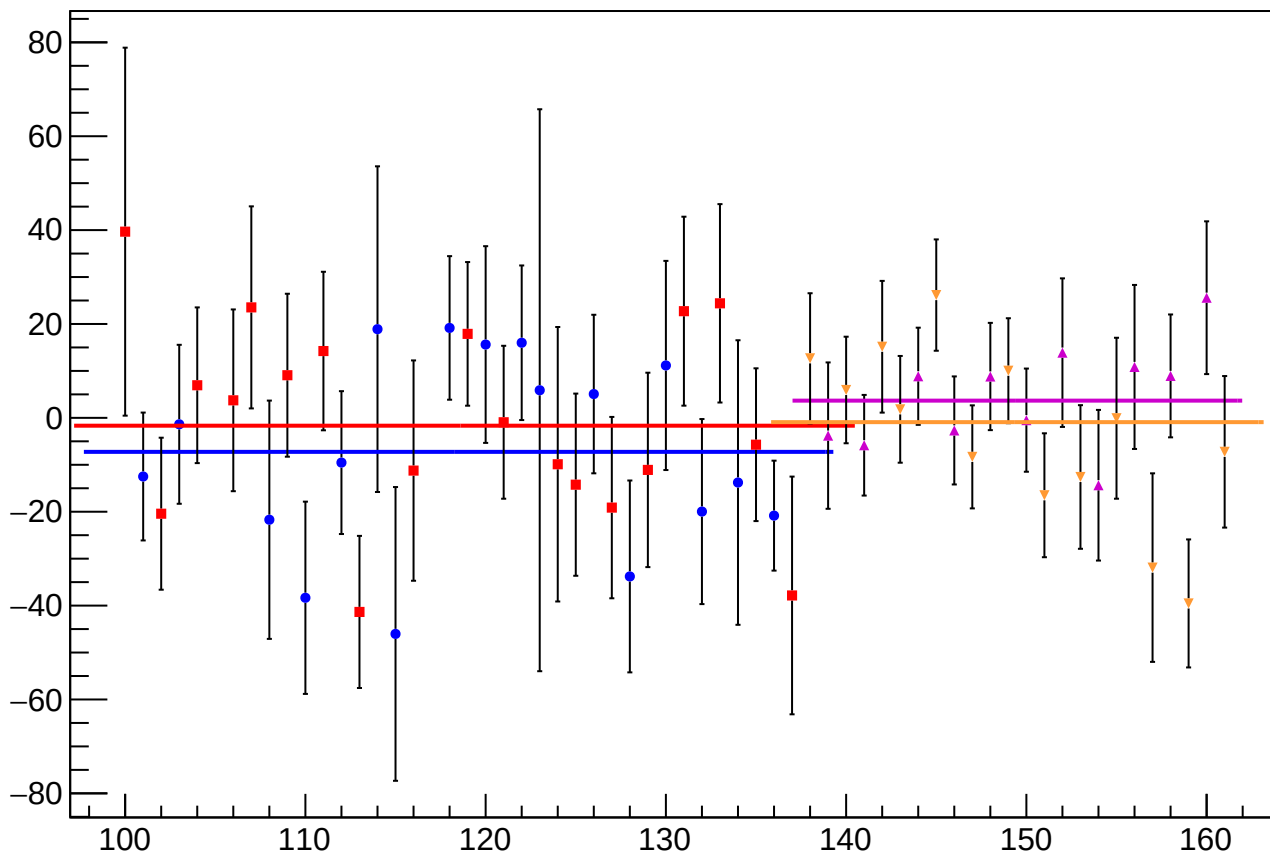
Left In: 5465.199 ± 1.395 $\chi^2/\text{NDF}: 2112952.2/10$

6199.066 ± 1.155 $\chi^2/\text{NDF}: 3119222.0/29$

5889.983 ± 0.791 $\chi^2/\text{NDF}: 7675486.0/59$

5617.027 ± 1.085 $\chi^2/\text{NDF}: 4421394.0/29$

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: -0.914 ± 3.669 χ^2/NDF : 21.9/12

Right Out: -1.671 ± 4.373 χ^2/NDF : 19.9/18

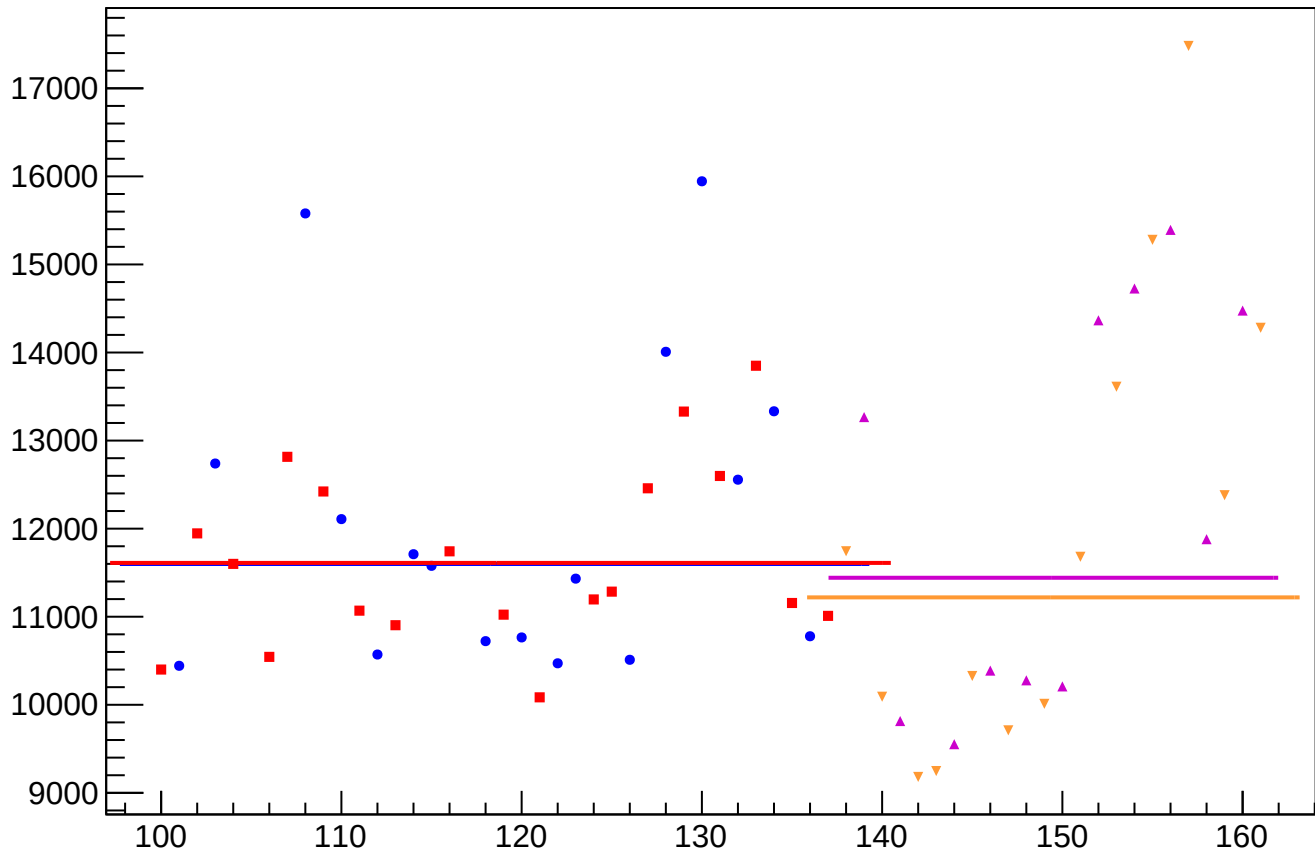
Left In: 3.669 ± 3.881 χ^2/NDF : 5.7/10

-3.411 ± 2.855 χ^2/NDF : 39.0/29

-1.086 ± 2.036 χ^2/NDF : 66.7/59

1.316 ± 2.903 χ^2/NDF : 26.4/29

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 11219.536+/-2.594 χ^2/NDF : 641740.7/12

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

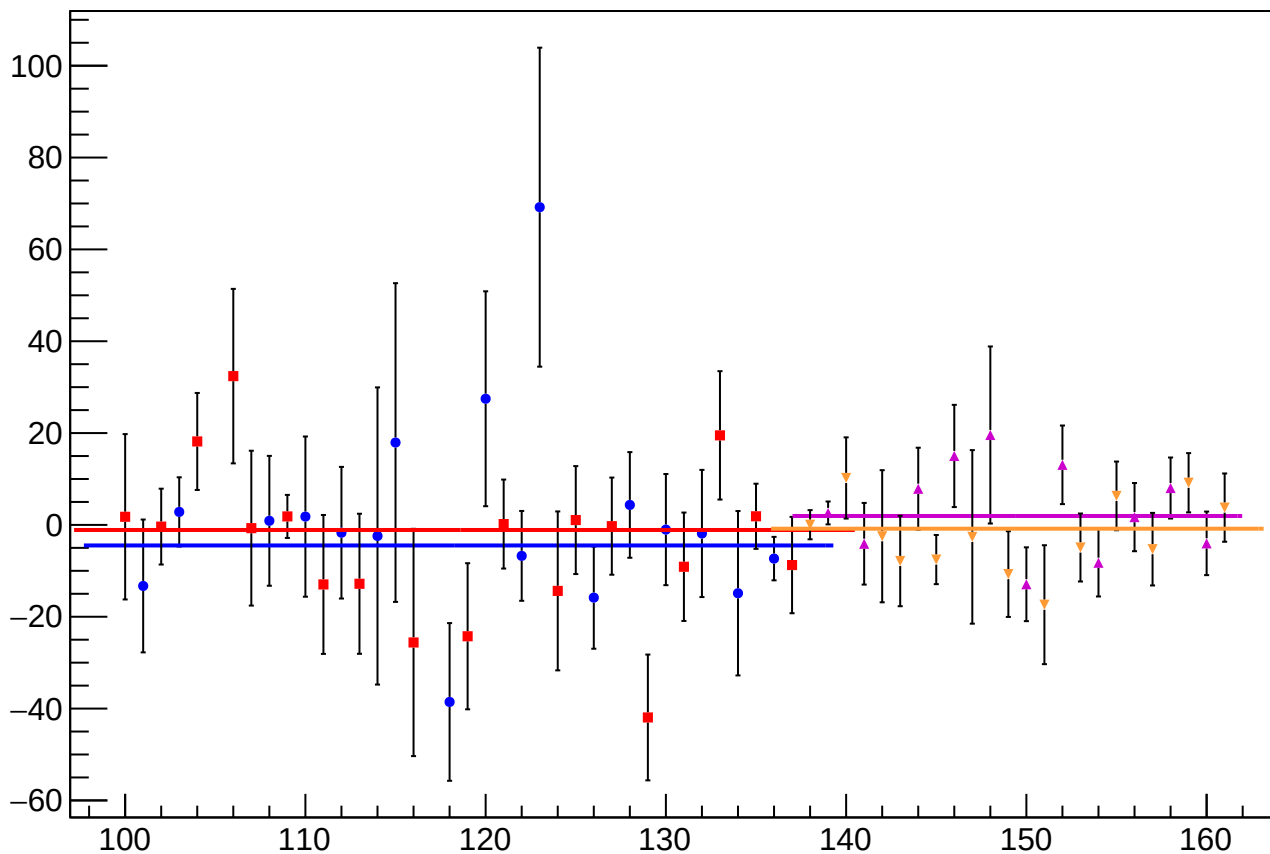
Left In: 11442.343+/-2.744 χ^2/NDF : 528848.7/10

11369.078+/-2.019 χ^2/NDF : 885589.9/29

11441.639+/-1.439 χ^2/NDF : 1513174.9/5

11516.626+/-2.053 χ^2/NDF : 624958.7/29

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 $\chi^2/\text{NDF}: 14.8/16$

Left Out: -0.825 ± 1.902 $\chi^2/\text{NDF}: 10.8/12$

Right Out: -1.105 ± 2.429 $\chi^2/\text{NDF}: 24.0/18$

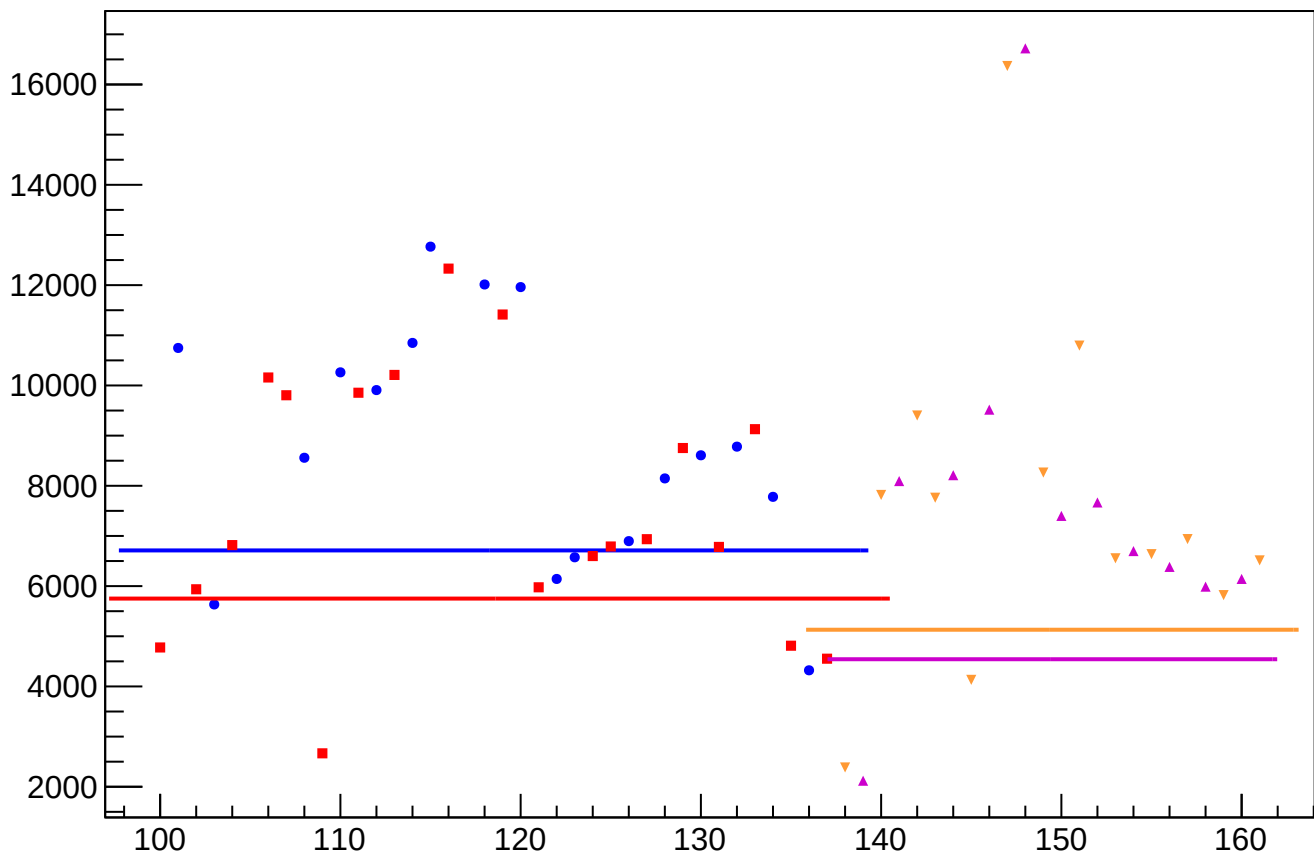
Left In: 1.944 ± 1.806 $\chi^2/\text{NDF}: 11.8/10$

-1.988 ± 1.570 $\chi^2/\text{NDF}: 26.8/29$

-0.451 ± 1.065 $\chi^2/\text{NDF}: 65.5/59$

0.858 ± 1.450 $\chi^2/\text{NDF}: 36.9/29$

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 +/- 1.967 χ^2/NDF : 1446972.0/16

Left Out: 5130.469 +/- 1.345 χ^2/NDF : 3733837.0/12

Right Out: 5751.505 +/- 1.718 χ^2/NDF : 2165110.0/18

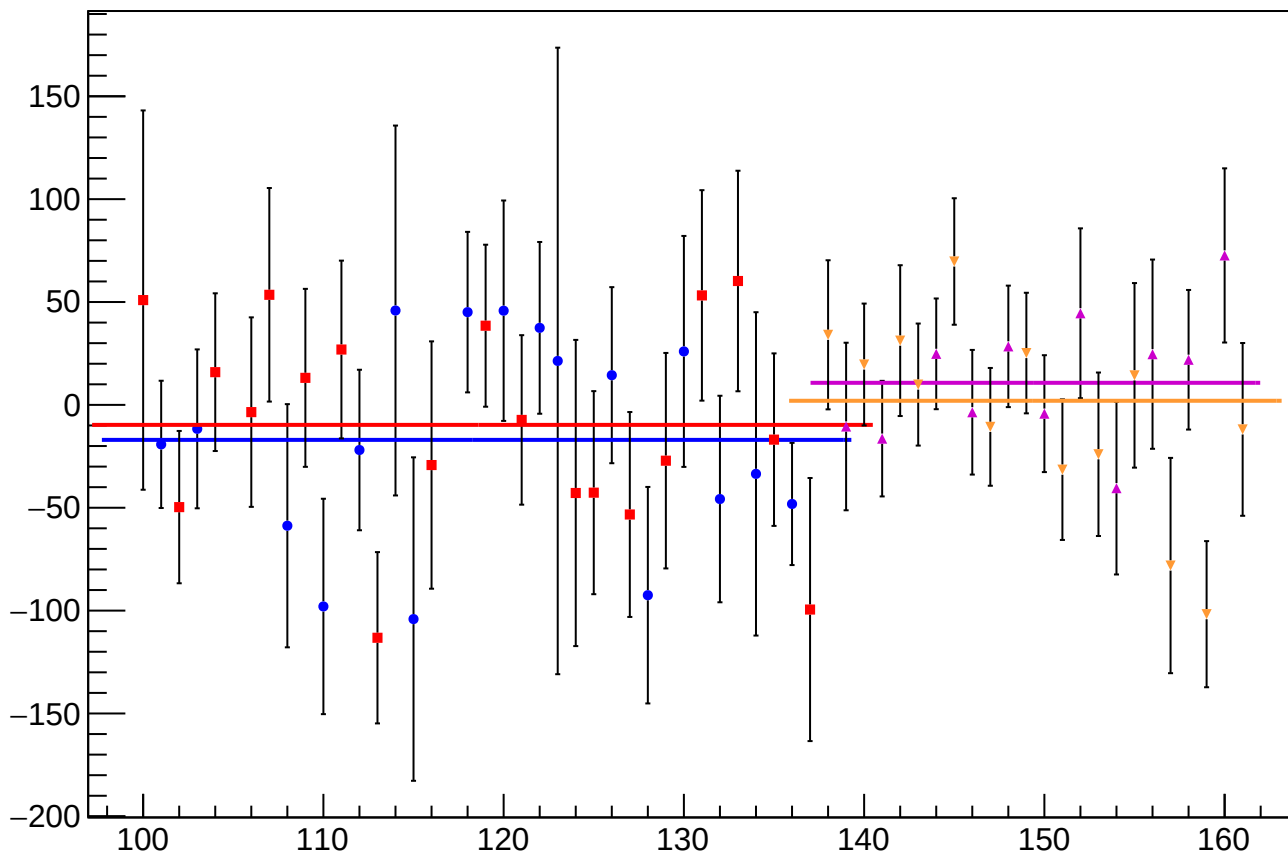
Left In: 4542.295 +/- 1.277 χ^2/NDF : 4760895.1/10

5634.249 +/- 1.110 χ^2/NDF : 5621062.5/29

5277.217 +/- 0.753 χ^2/NDF : 13057737.4/5

4972.943 +/- 1.025 χ^2/NDF : 7245145.9/29

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 1.999 ± 9.562 χ^2/NDF : 20.0/12

Right Out: -9.719 ± 10.891 χ^2/NDF : 19.1/18

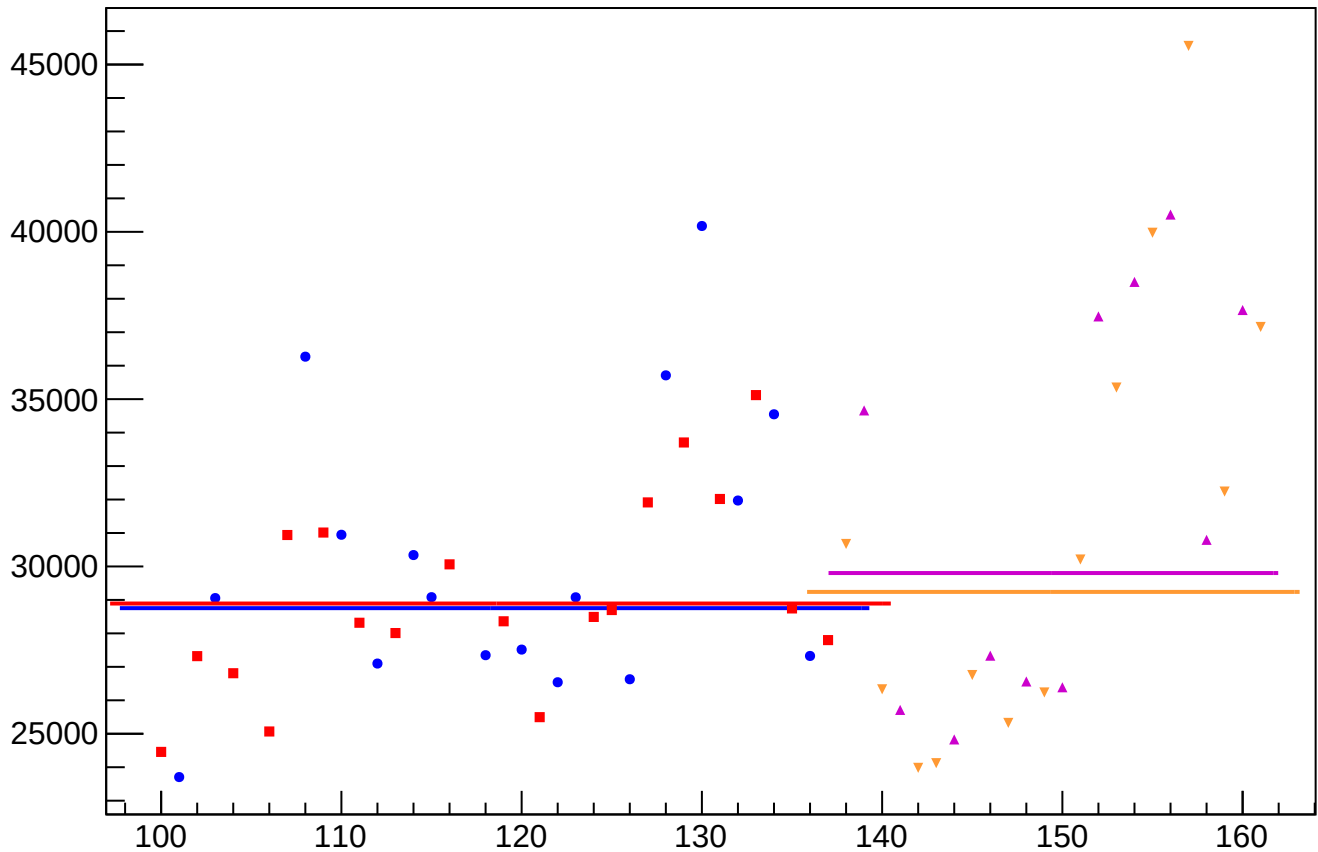
Left In: 10.731 ± 10.111 χ^2/NDF : 6.8/10

-5.943 ± 7.296 χ^2/NDF : 36.6/29

-2.396 ± 5.199 χ^2/NDF : 64.9/59

1.264 ± 7.410 χ^2/NDF : 27.8/29

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 29239.397+/-6.762 χ^2/NDF : 637838.0/12

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

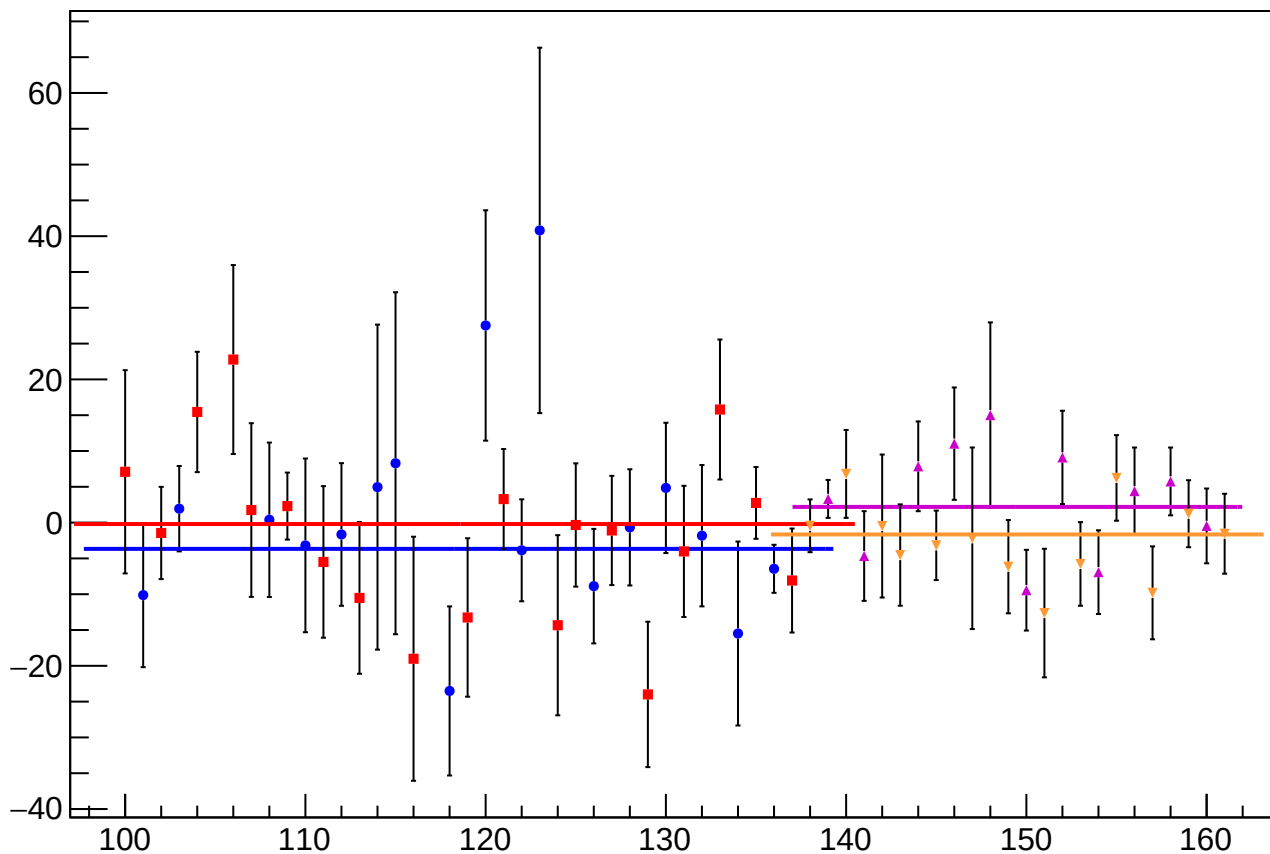
Left In: 29803.094+/-7.150 χ^2/NDF : 539639.2/10

29036.491+/-5.159 χ^2/NDF : 889208.4/29

29206.258+/-3.676 χ^2/NDF : 1549803.3/5

29381.375+/-5.240 χ^2/NDF : 658395.1/29

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.654 ± 1.636 χ^2/NDF : 8.5/12

Right Out: -0.199 ± 1.893 χ^2/NDF : 22.3/18

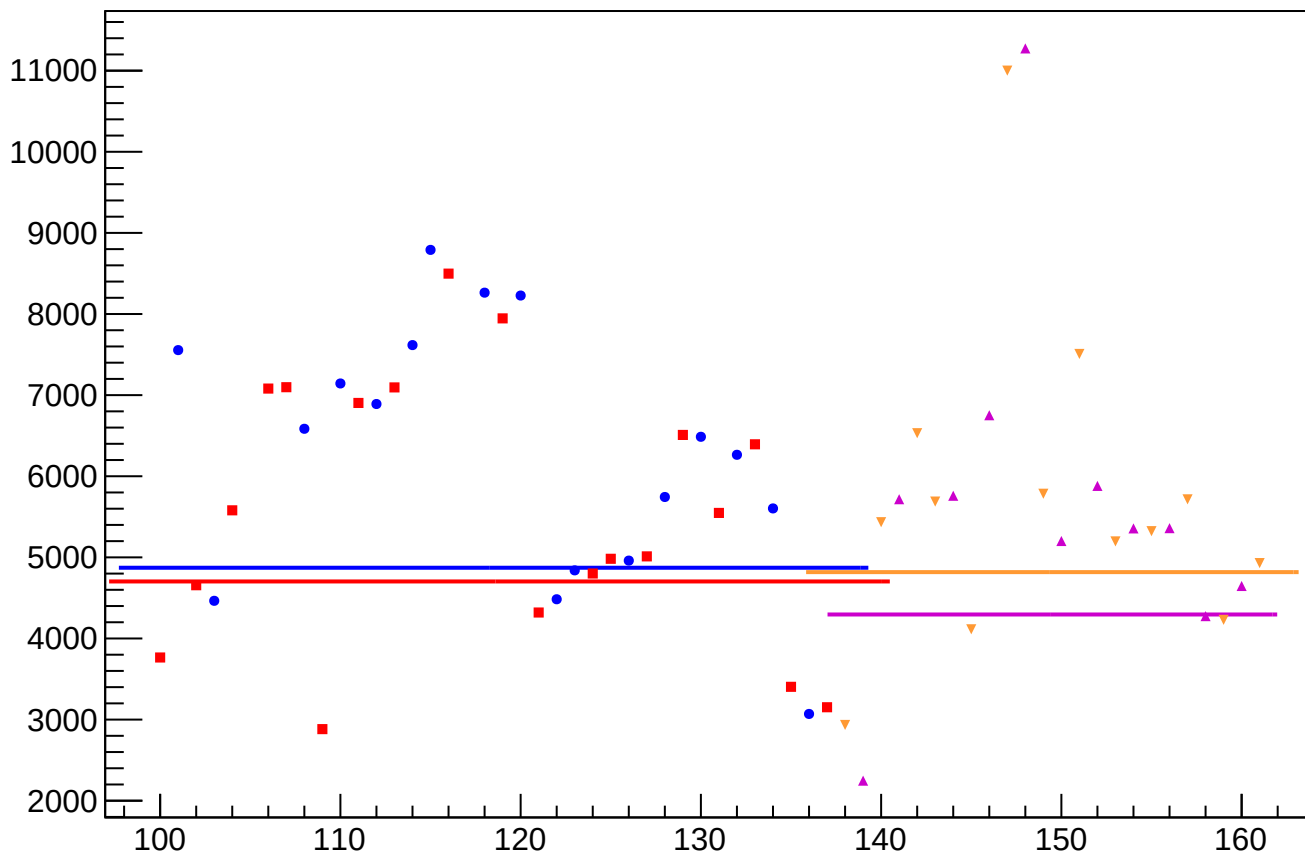
Left In: 2.193 ± 1.565 χ^2/NDF : 13.2/10

-2.457 ± 1.269 χ^2/NDF : 23.6/29

-0.524 ± 0.874 χ^2/NDF : 64.5/59

1.222 ± 1.206 χ^2/NDF : 36.5/29

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4818.078+/-1.157 χ^2/NDF : 1466638.1/12

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

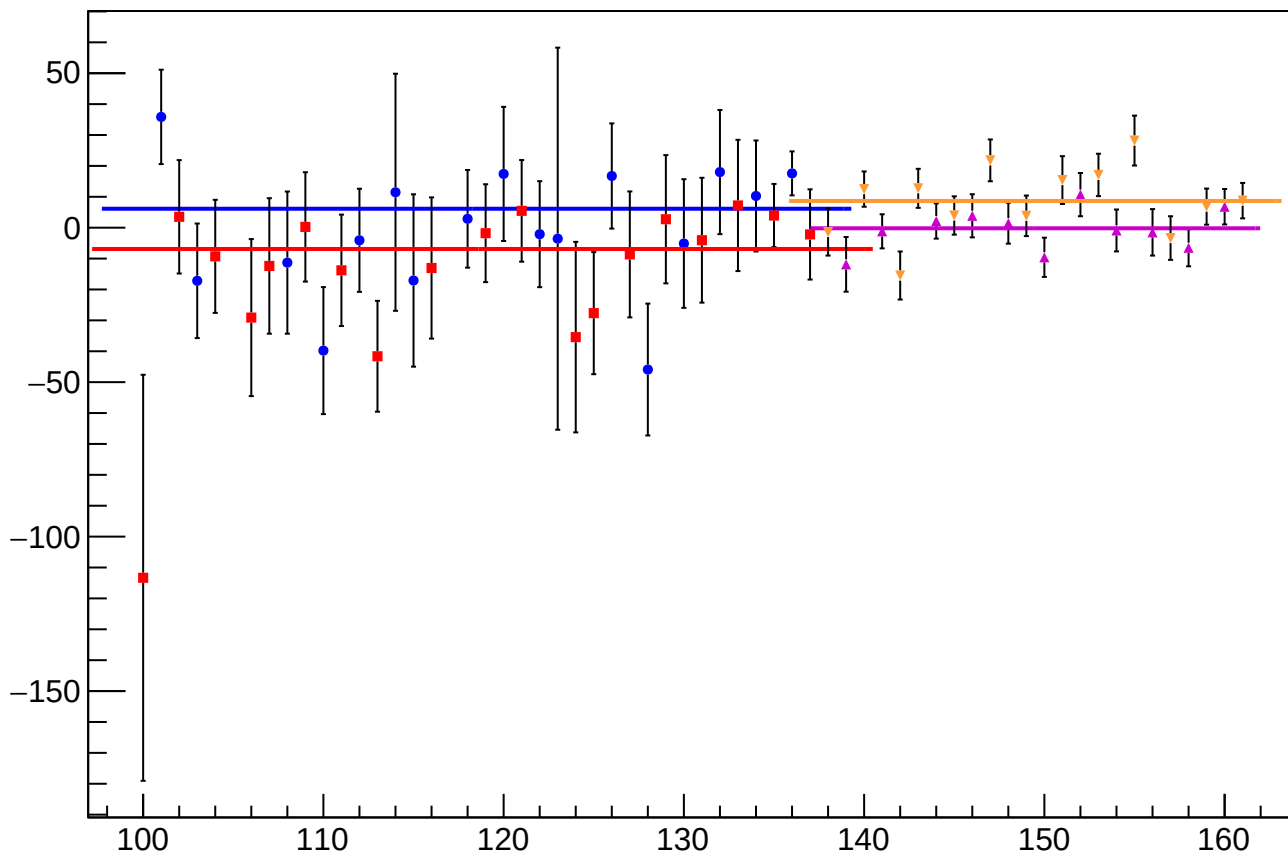
Left In: 4295.765+/-1.106 χ^2/NDF : 2493047.3/10

4839.608+/-0.897 χ^2/NDF : 2872760.6/29

4640.767+/-0.618 χ^2/NDF : 6827044.1/59

4461.100+/-0.853 χ^2/NDF : 3860765.4/29

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 $\pm$ 4.080 χ^2/NDF : 22.2/16

Left Out: 8.654 $\pm$ 1.846 χ^2/NDF : 28.3/12

Right Out: -6.892 $\pm$ 4.224 χ^2/NDF : 12.5/18

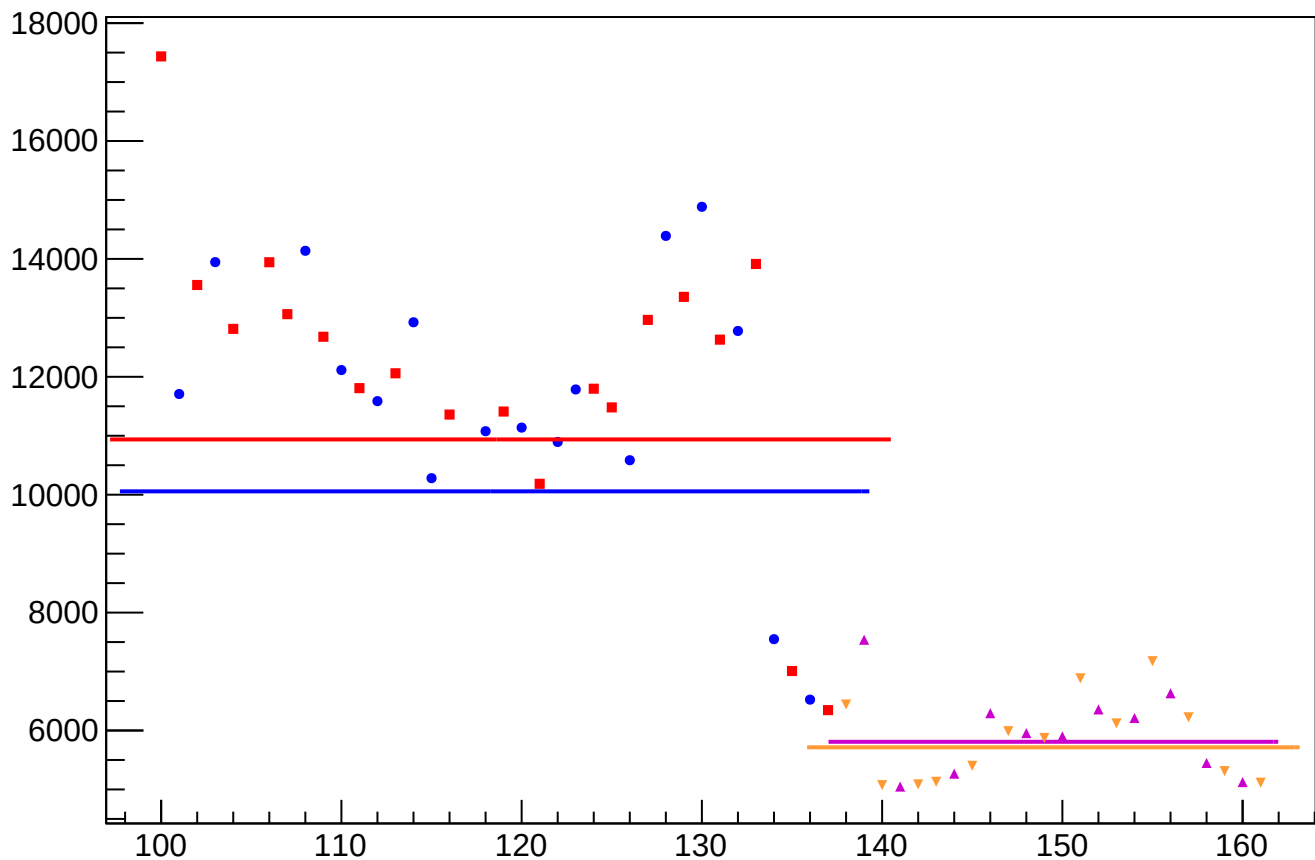
Left In: -0.194 $\pm$ 1.953 χ^2/NDF : 9.6/10

8.226 $\pm$ 1.682 χ^2/NDF : 50.8/29

3.679 $\pm$ 1.220 χ^2/NDF : 90.3/59

-1.373 $\pm$ 1.772 χ^2/NDF : 24.1/29

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

Left Out: 5714.698+/-1.305 χ^2/NDF : 243262.5/12

Right Out: 10937.573+/-2.987 χ^2/NDF : 762909.5/18

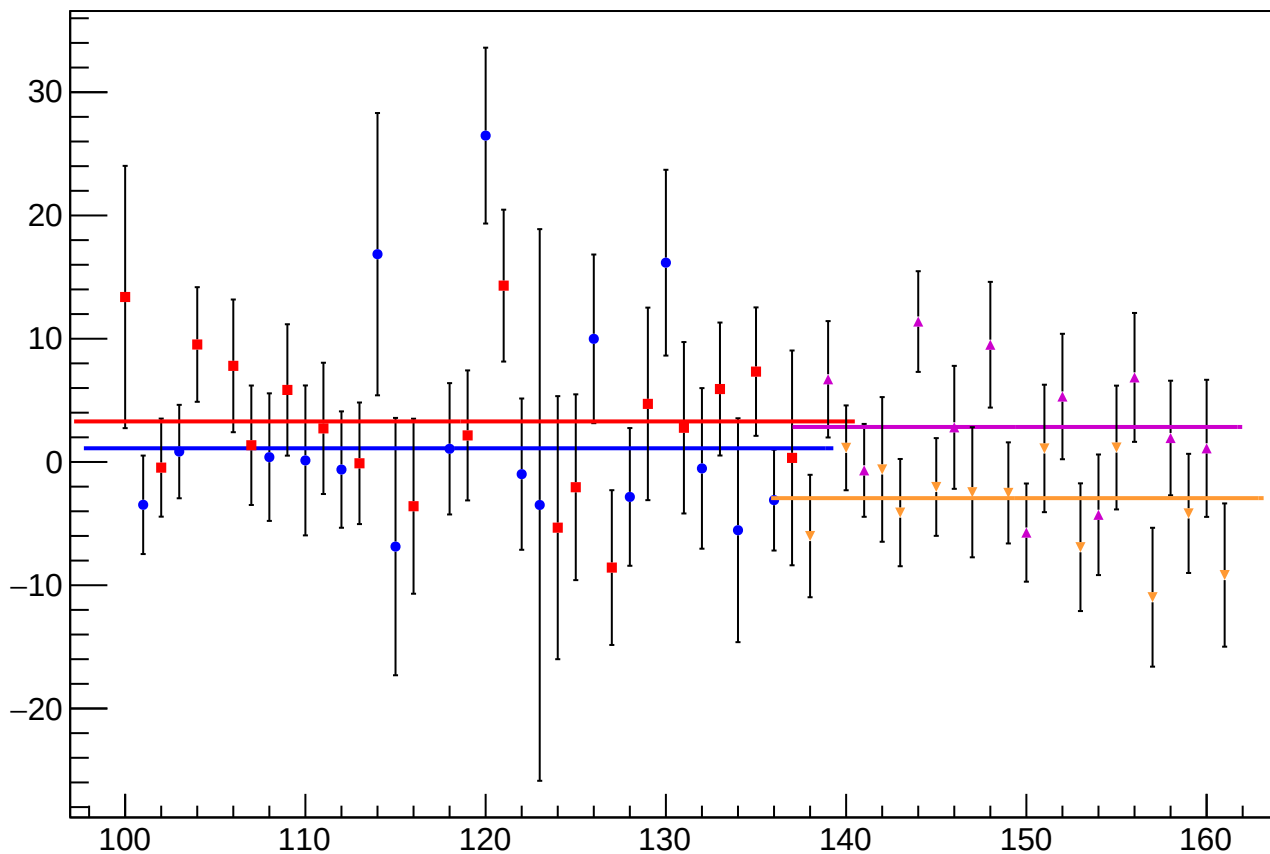
Left In: 5808.319+/-1.381 χ^2/NDF : 222138.1/10

6452.330+/-1.189 χ^2/NDF : 3126538.7/29

6575.015+/-0.863 χ^2/NDF : 6563519.5/59

6711.306+/-1.253 χ^2/NDF : 3414511.2/29

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.934 ± 1.309 χ^2/NDF : 7.2/12

Right Out: 3.290 ± 1.334 χ^2/NDF : 15.1/18

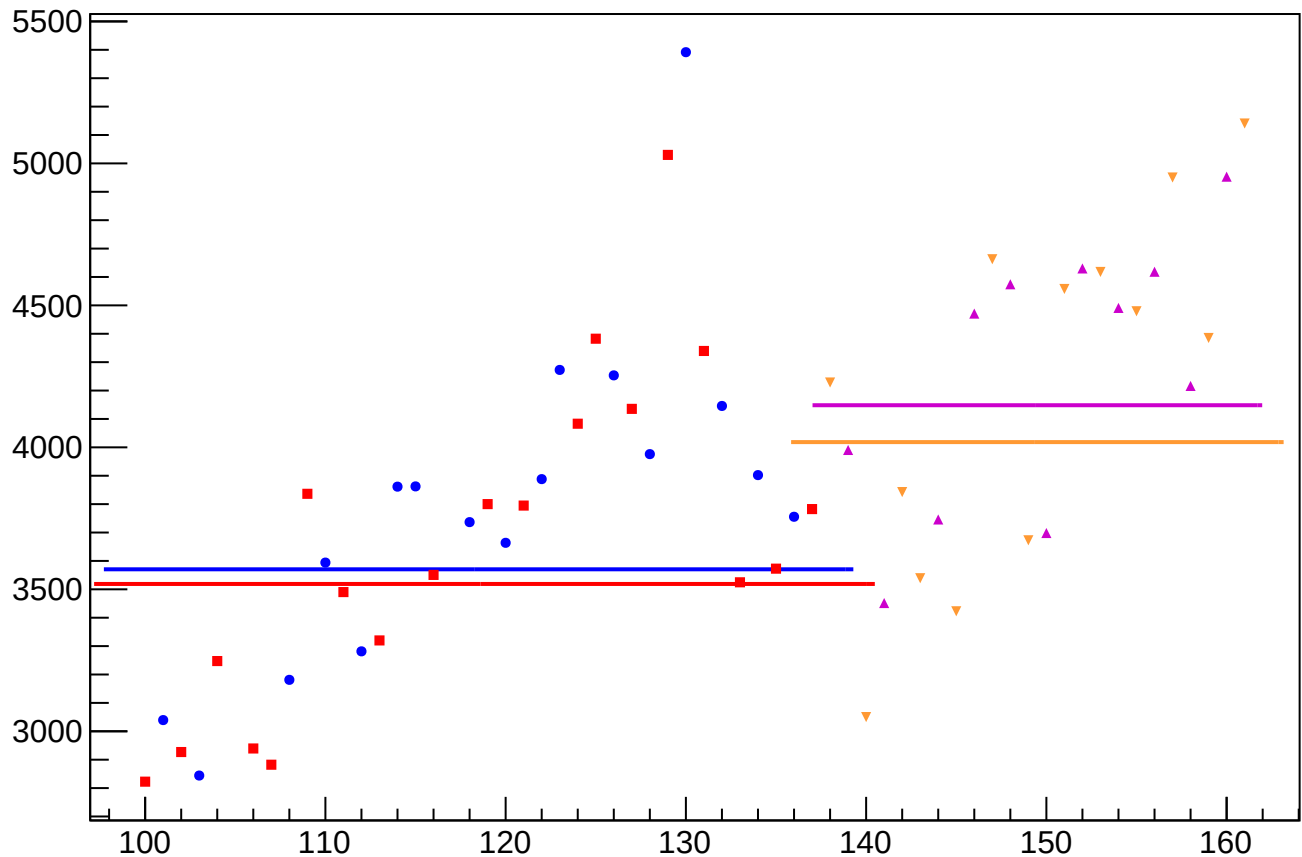
Left In: 2.841 ± 1.397 χ^2/NDF : 15.4/10

-1.051 ± 0.957 χ^2/NDF : 36.3/29

0.996 ± 0.679 χ^2/NDF : 76.0/59

3.076 ± 0.965 χ^2/NDF : 30.5/29

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4018.472+/-0.925 χ^2/NDF : 483314.2/12

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

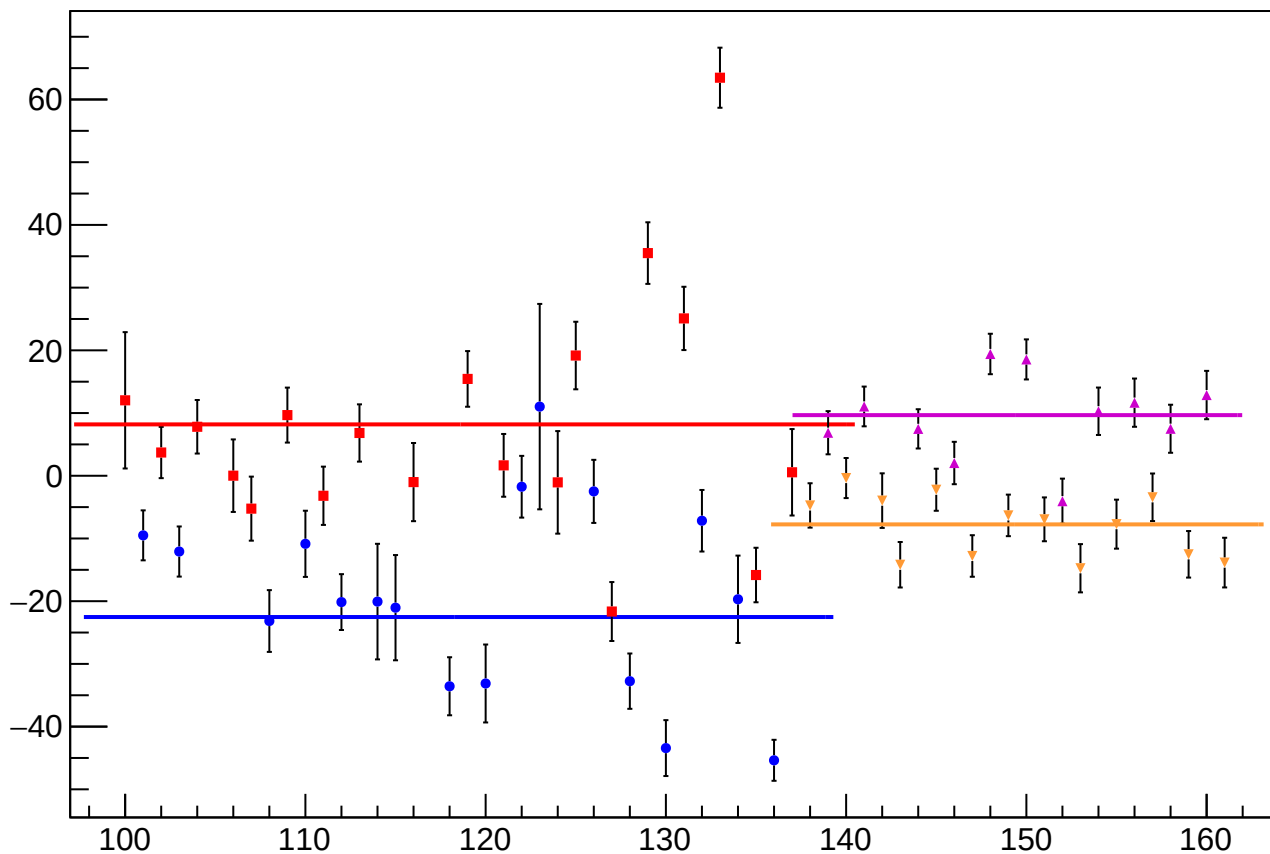
Left In: 4148.320+/-0.988 χ^2/NDF : 224117.2/10

3810.035+/-0.677 χ^2/NDF : 902080.6/29

3814.499+/-0.480 χ^2/NDF : 1632130.1/59

3819.035+/-0.682 χ^2/NDF : 729961.7/29

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -7.754 ± 1.001 χ^2/NDF : 23.9/12

Right Out: 8.192 ± 1.157 χ^2/NDF : 275.8/18

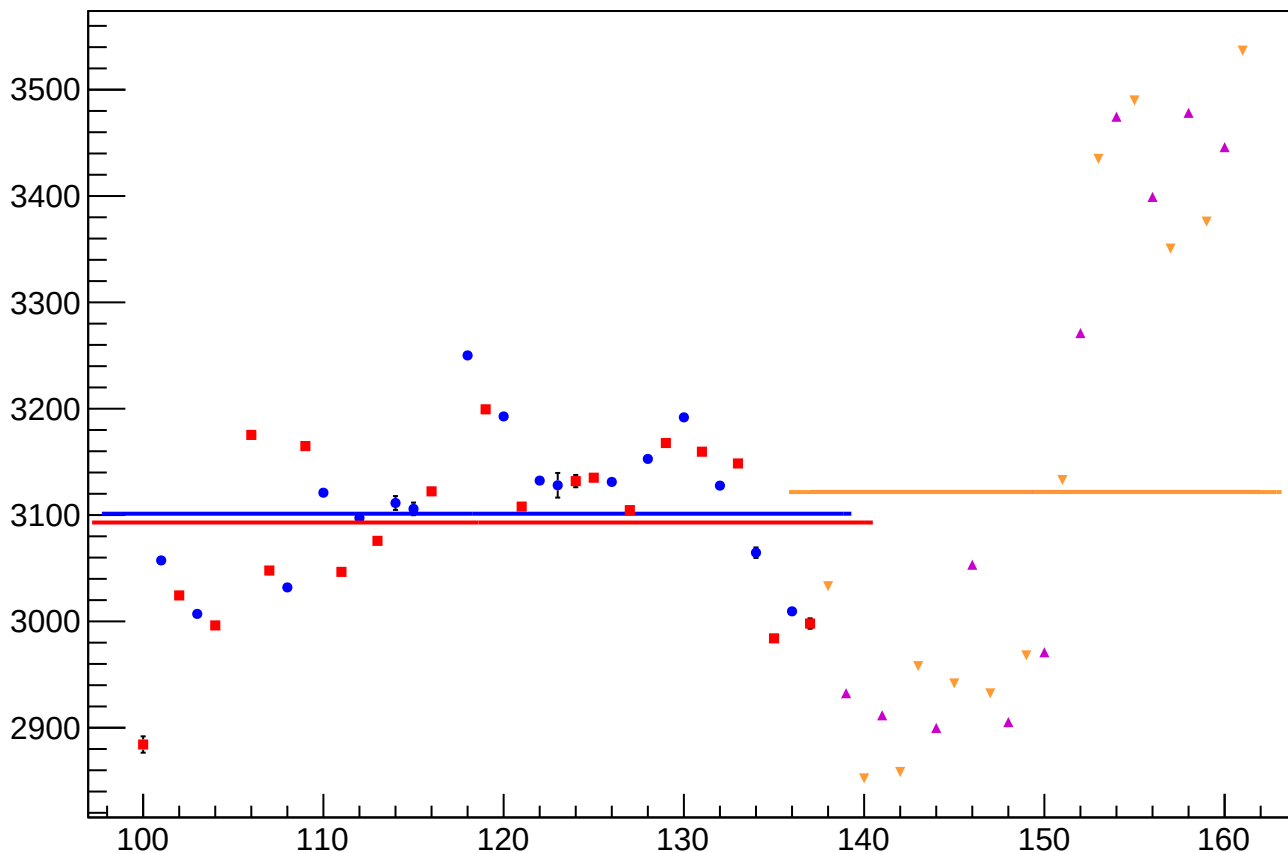
Left In: 9.668 ± 1.044 χ^2/NDF : 39.2/10

-13.810 ± 0.769 χ^2/NDF : 268.7/29

-2.494 ± 0.546 χ^2/NDF : 1021.6/59

9.006 ± 0.775 χ^2/NDF : 315.9/29

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 ± 0.849 $\chi^2/\text{NDF}: 7233.8/16$

Left Out: 3121.614 ± 0.708 $\chi^2/\text{NDF}: 113109.2/12$

Right Out: 3092.993 ± 0.818 $\chi^2/\text{NDF}: 7766.0/18$

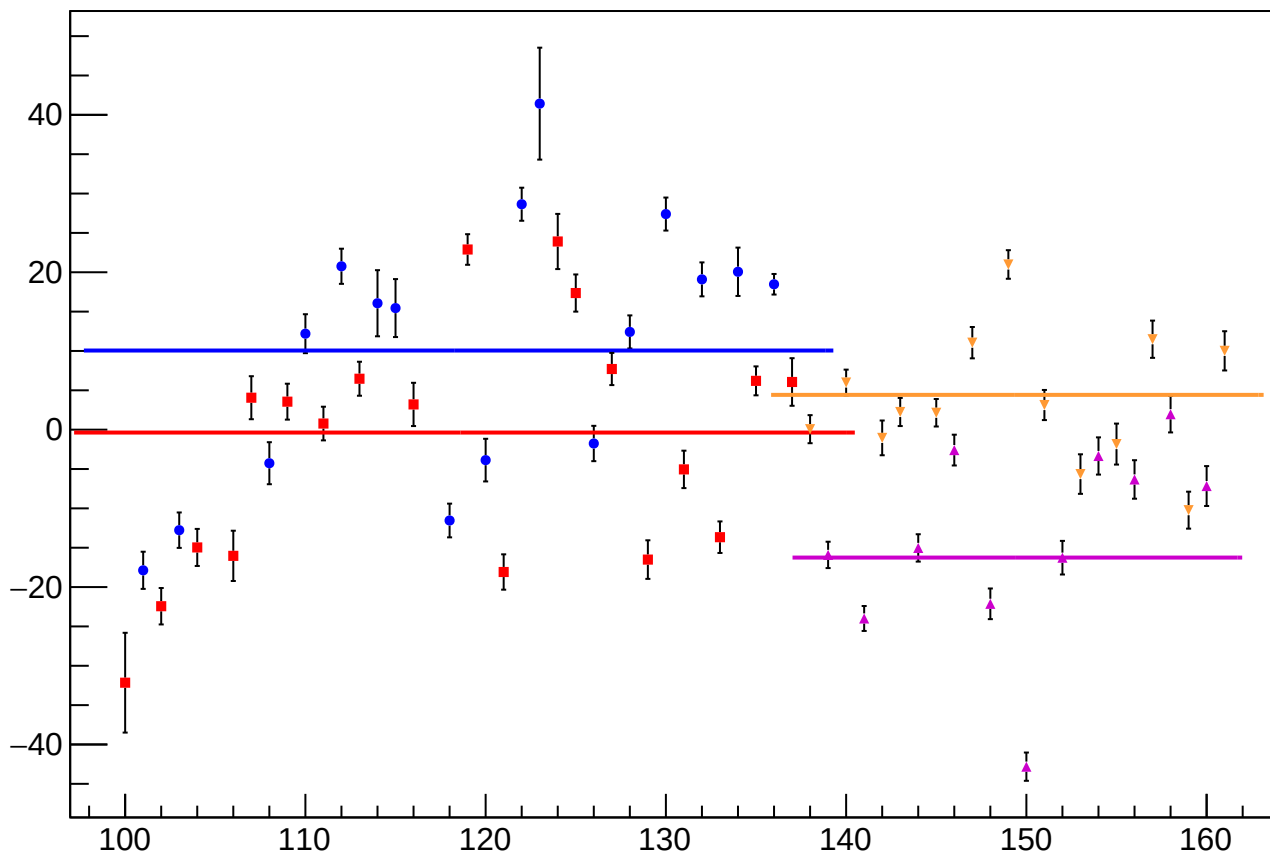
Left In: 3121.724 ± 0.738 $\chi^2/\text{NDF}: 101909.4/10$

3113.273 ± 0.544 $\chi^2/\text{NDF}: 120681.8/29$

3111.071 ± 0.386 $\chi^2/\text{NDF}: 231070.4/59$

3108.834 ± 0.548 $\chi^2/\text{NDF}: 110355.5/29$

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 4.421 ± 0.560 χ^2/NDF : 185.6/12

Right Out: -0.367 ± 0.547 χ^2/NDF : 629.8/18

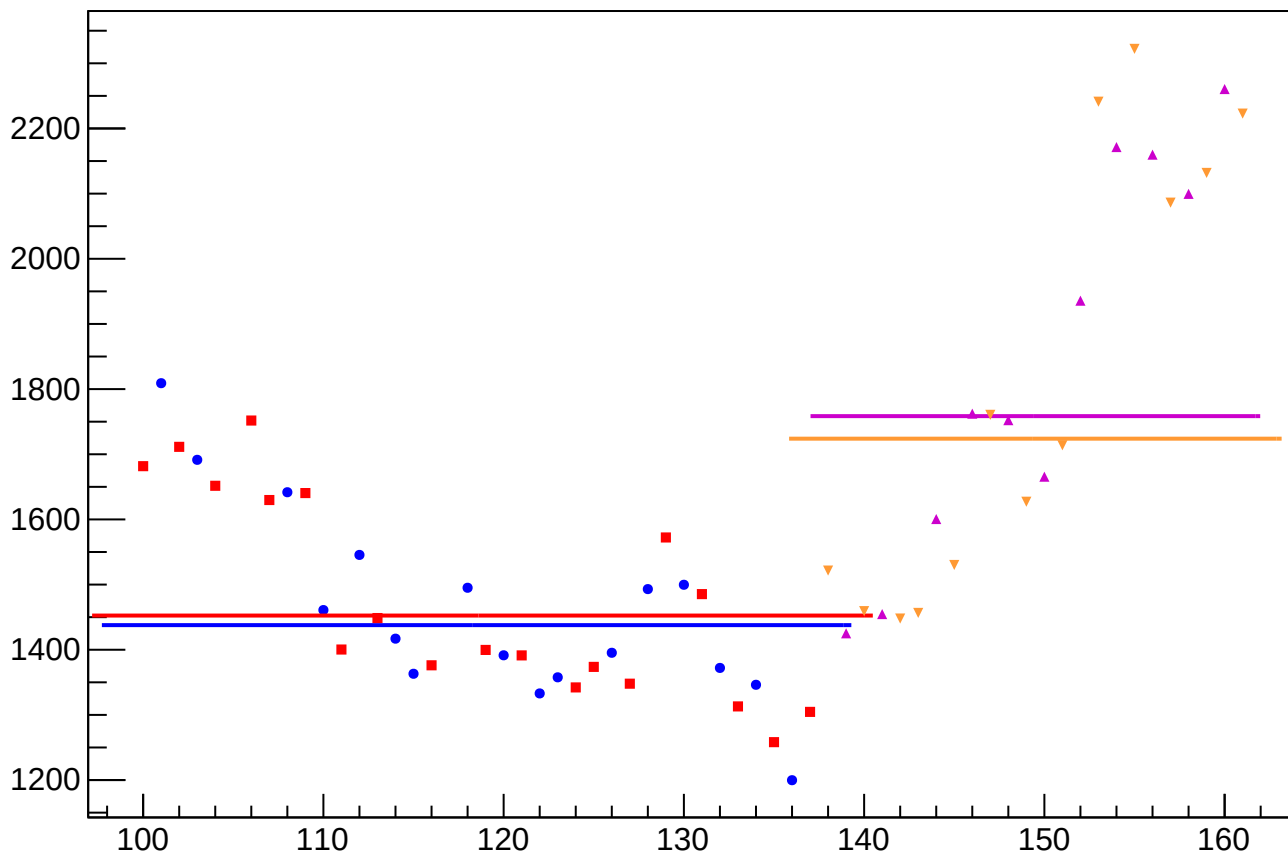
Left In: -16.252 ± 0.595 χ^2/NDF : 422.2/10

7.230 ± 0.397 χ^2/NDF : 928.2/29

-0.098 ± 0.283 χ^2/NDF : 3060.0/59

-7.648 ± 0.403 χ^2/NDF : 1438.6/29

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2/NDF : 173216.2/16

Left Out: 1723.936 $\pm$ 0.396 χ^2/NDF : 562485.7/12

Right Out: 1452.469 $\pm$ 0.387 χ^2/NDF : 138605.8/18

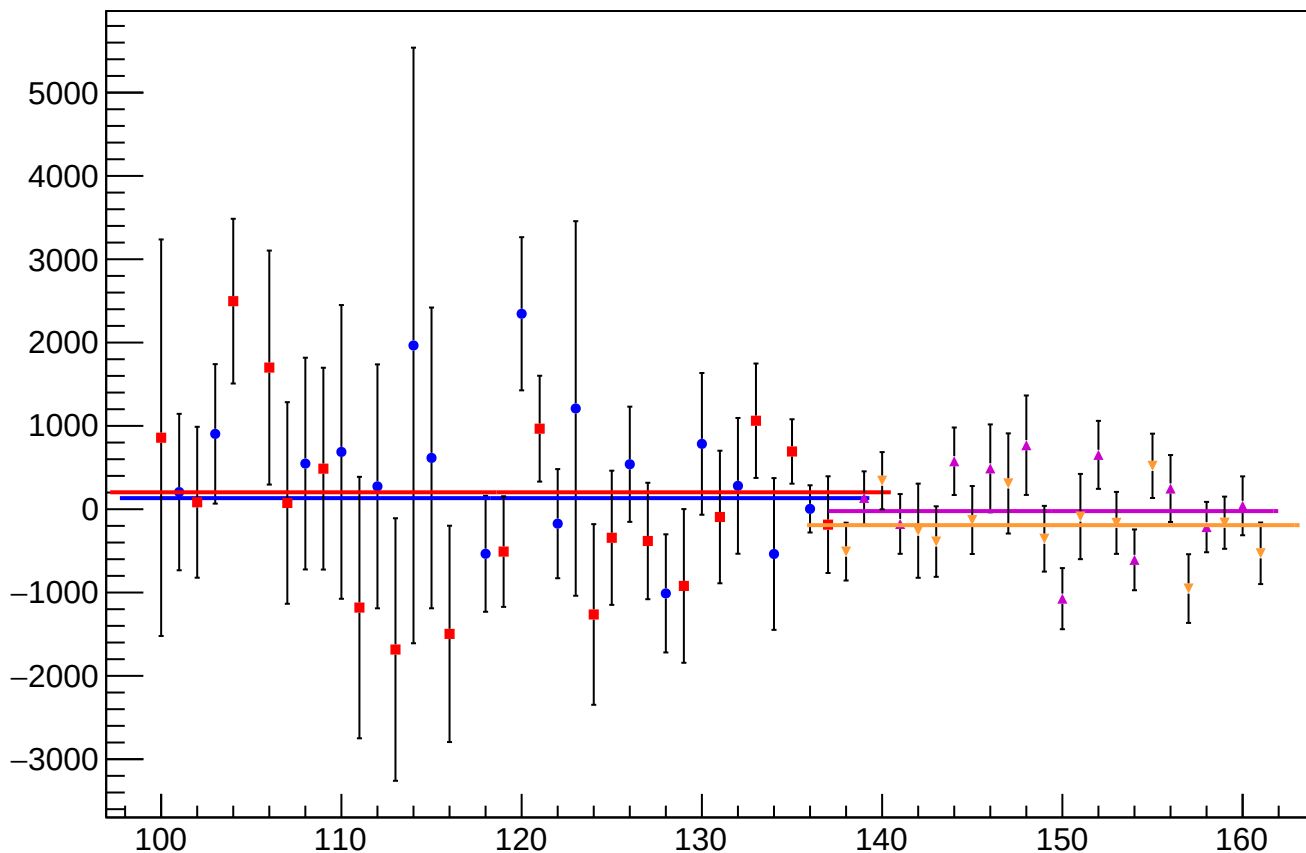
Left In: 1758.520 $\pm$ 0.420 χ^2/NDF : 425158.8/10

1581.248 $\pm$ 0.280 χ^2/NDF : 996005.0/29

1586.919 $\pm$ 0.200 χ^2/NDF : 1847572.2/59

1592.761 $\pm$ 0.285 χ^2/NDF : 850737.1/29

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -191.350 $\pm$ 110.500 χ^2 /NDF:12.1/12

Right Out: 203.062 $\pm$ 184.353 χ^2 /NDF: 21.4/18

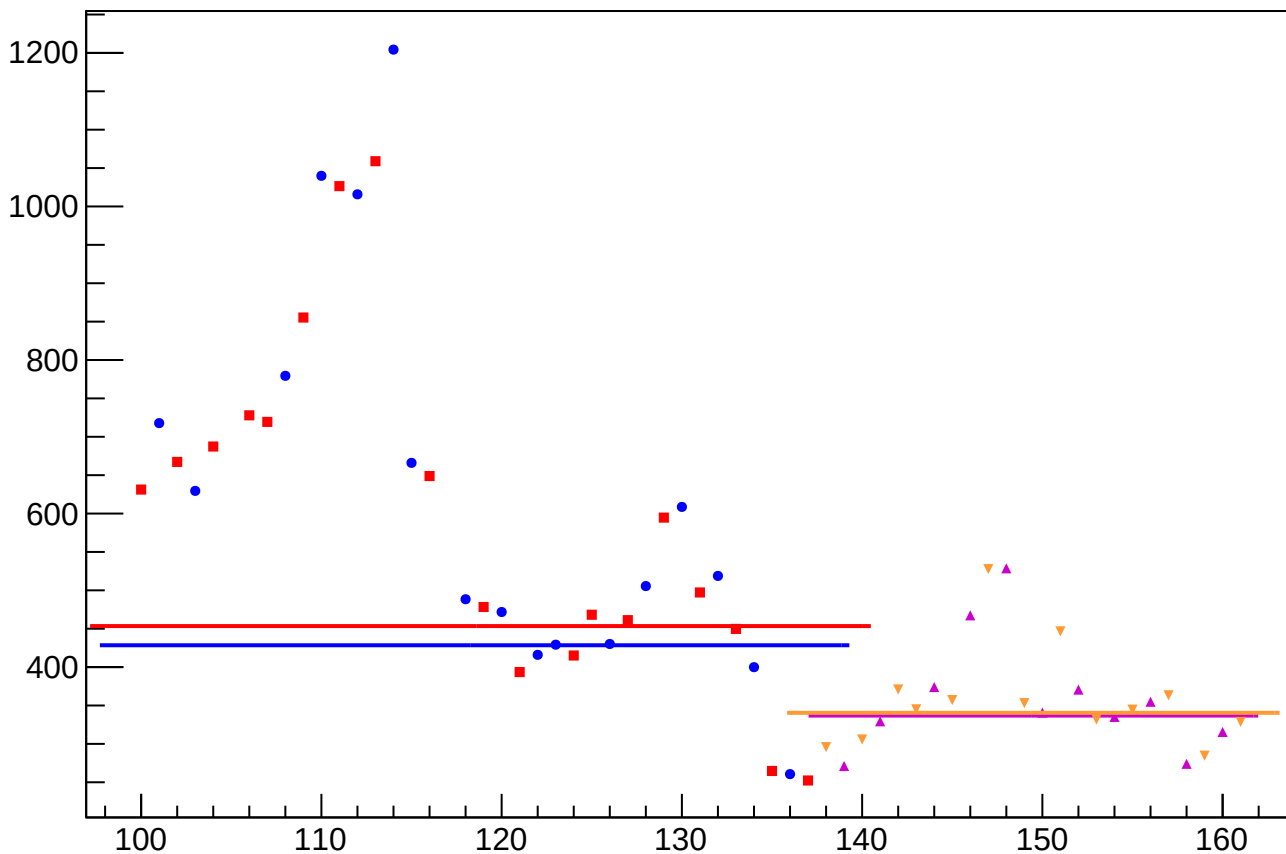
Left In: -22.518 $\pm$ 114.526 χ^2 /NDF:19.7/10

-102.788 $\pm$ 94.210 χ^2 /NDF: 27.3/29

-33.540 $\pm$ 67.676 χ^2 /NDF: 70.7/59

40.297 $\pm$ 97.282 χ^2 /NDF: 42.2/29

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 340.484 $\pm$ 0.078 χ^2 /NDF: 418075.5/12

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

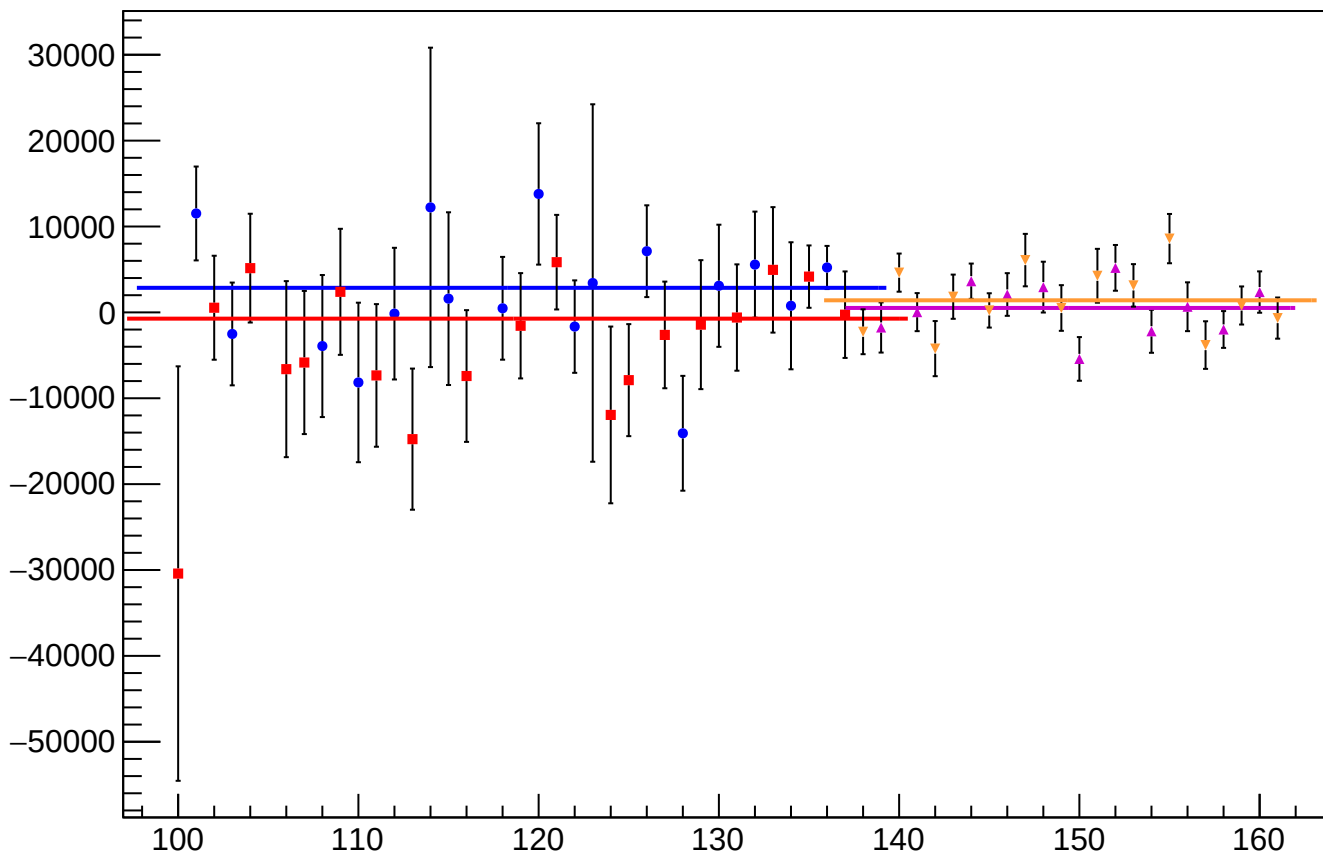
Left In: 336.876 $\pm$ 0.081 χ^2 /NDF: 543632.7/10

364.512 $\pm$ 0.067 χ^2 /NDF: 2775766.3/29

366.845 $\pm$ 0.048 χ^2 /NDF: 5928625.5/59

369.333 $\pm$ 0.069 χ^2 /NDF: 3150324.0/29

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2/NDF : 16.7/16

Left Out: 1406.295 $\pm$ 708.812 χ^2/NDF : 21.9/12

Right Out: -729.571 $\pm$ 1509.224 χ^2/NDF : 14.0/18

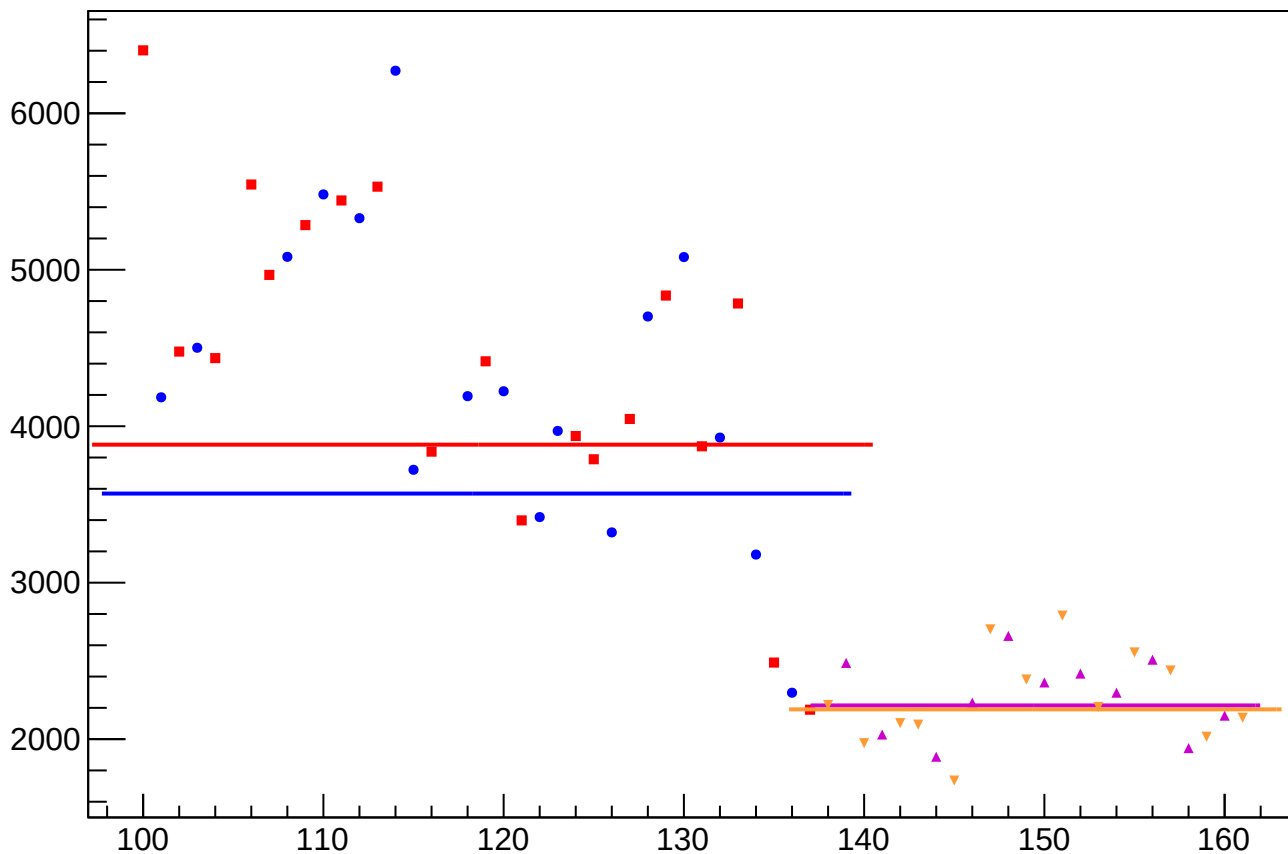
Left In: 515.955 $\pm$ 744.744 χ^2/NDF : 15.7/10

1687.262 $\pm$ 636.620 χ^2/NDF : 39.4/29

1013.528 $\pm$ 460.806 χ^2/NDF : 72.0/59

272.054 $\pm$ 667.857 χ^2/NDF : 30.2/29

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 $\pm$ 1.024 χ^2 /NDF: 1087935.4/16

Left Out: 2190.327 $\pm$ 0.501 χ^2 /NDF:328463.5/12

Right Out: 3882.169 $\pm$ 1.067 χ^2 /NDF: 983087.5/18

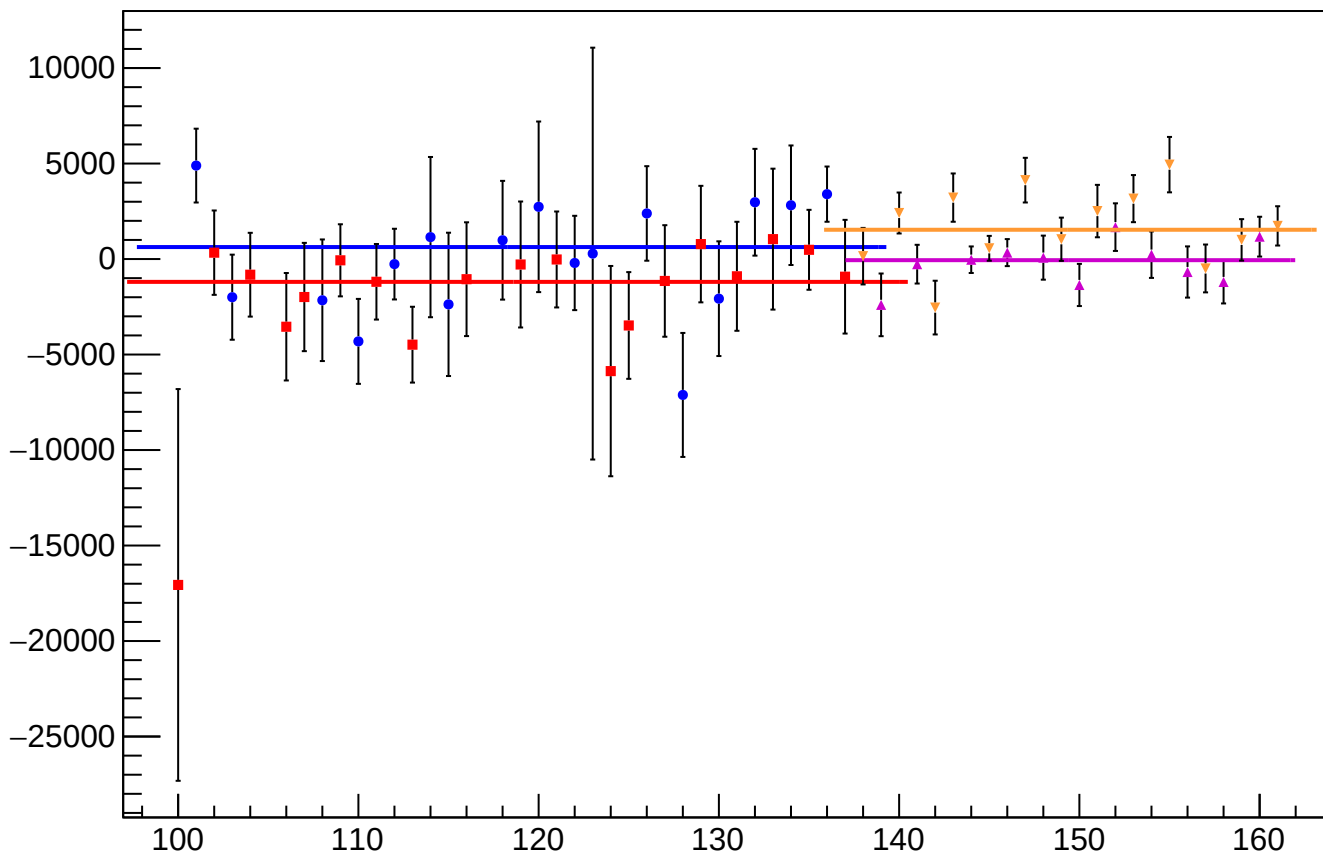
Left In: 2215.452 $\pm$ 0.527 χ^2 /NDF:203044.5/10

2456.984 $\pm$ 0.450 χ^2 /NDF: 2880531.3/29

2497.377 $\pm$ 0.326 χ^2 /NDF: 6045121.8/59

2541.831 $\pm$ 0.472 χ^2 /NDF: 3147677.8/29

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 $\pm$ 620.929 χ^2/NDF : 25.1/16

Left Out: 1533.191 $\pm$ 309.672 χ^2/NDF : 29.7/12

Right Out: -1195.385 $\pm$ 603.058 χ^2/NDF : 9.9/18

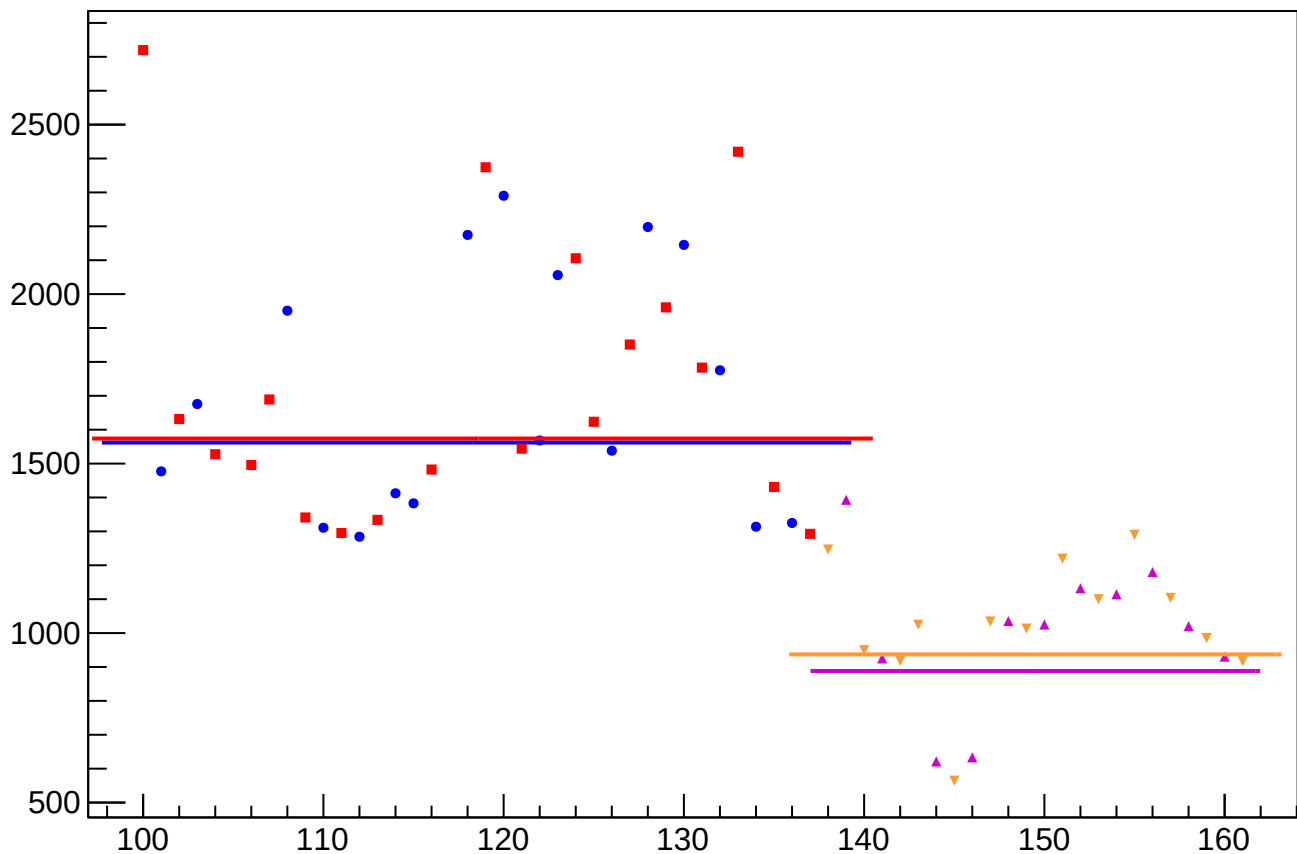
Left In: -59.366 $\pm$ 307.583 χ^2/NDF : 8.4/10

1352.823 $\pm$ 277.120 χ^2/NDF : 56.5/29

520.152 $\pm$ 194.841 χ^2/NDF : 95.5/59

-293.882 $\pm$ 274.001 χ^2/NDF : 21.1/29

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 ± 0.439 $\chi^2/\text{NDF}: 482088.3/16$

Left Out: 937.060 ± 0.219 $\chi^2/\text{NDF}: 1054778.1/12$

Right Out: 1573.906 ± 0.426 $\chi^2/\text{NDF}: 463991.4/18$

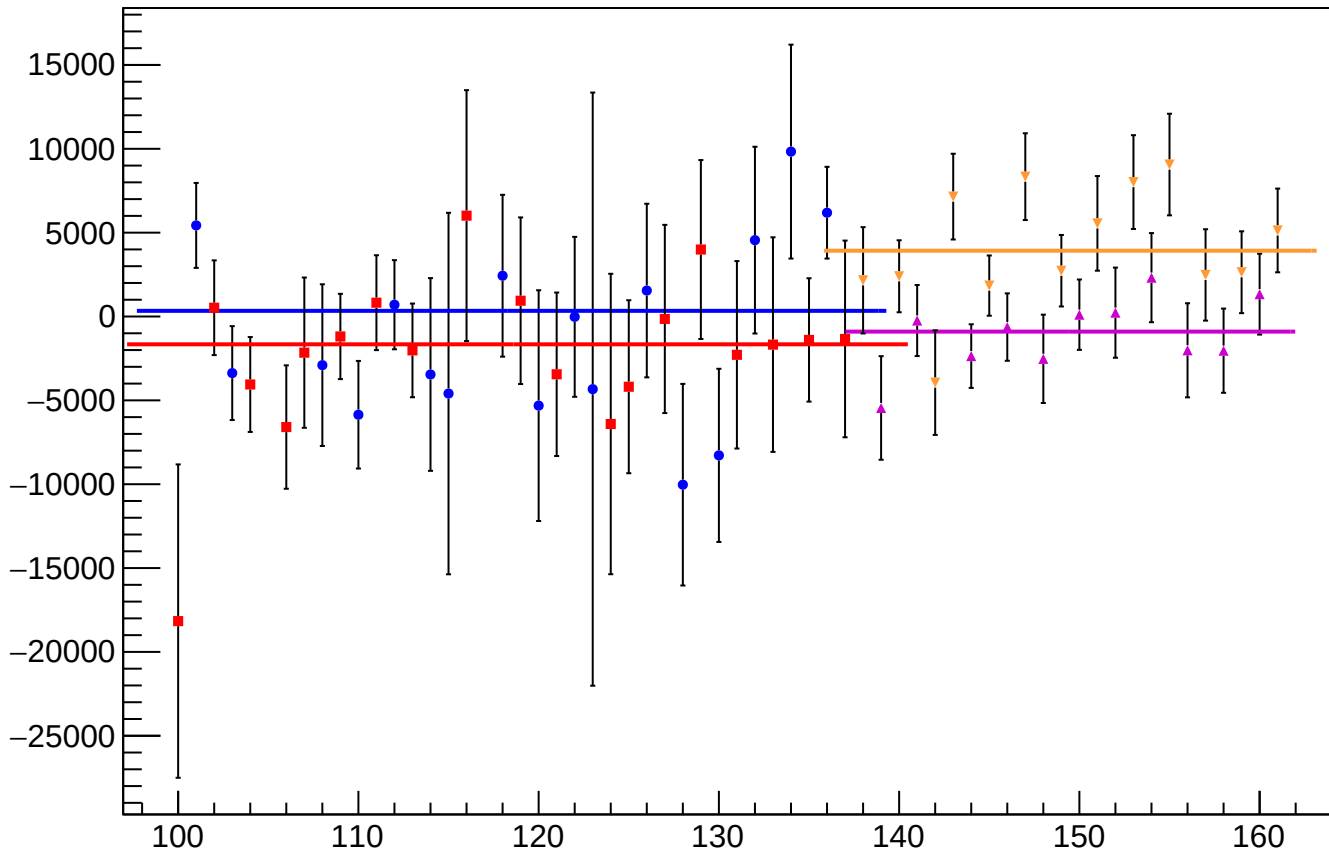
Left In: 888.218 ± 0.217 $\chi^2/\text{NDF}: 1081362.3/10$

1061.558 ± 0.196 $\chi^2/\text{NDF}: 3159783.4/29$

1045.483 ± 0.138 $\chi^2/\text{NDF}: 6770303.6/59$

1029.769 ± 0.194 $\chi^2/\text{NDF}: 3597212.7/29$

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 3924.218 ± 693.774 χ^2/NDF : 19.5/12

Right Out: -1658.069 ± 924.453 χ^2/NDF : 10.3/18

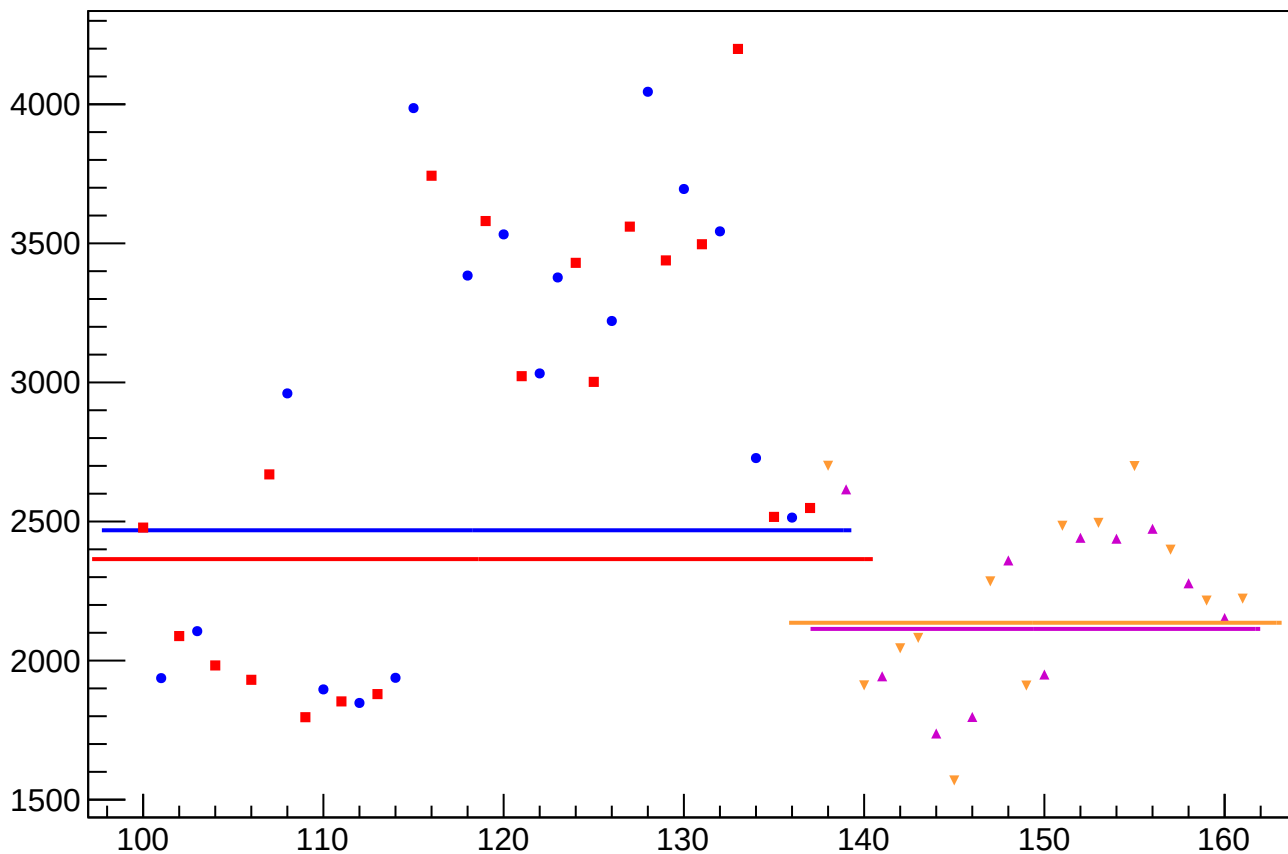
Left In: -900.182 ± 713.950 χ^2/NDF : 6.4/10

2752.431 ± 569.251 χ^2/NDF : 53.0/29

769.995 ± 401.030 χ^2/NDF : 94.1/59

-1183.333 ± 565.056 χ^2/NDF : 17.0/29

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2136.000 $\pm$ 0.491 χ^2 /NDF: 472349.0/12

Right Out: 2364.833 $\pm$ 0.654 χ^2 /NDF: 1025161.0/18

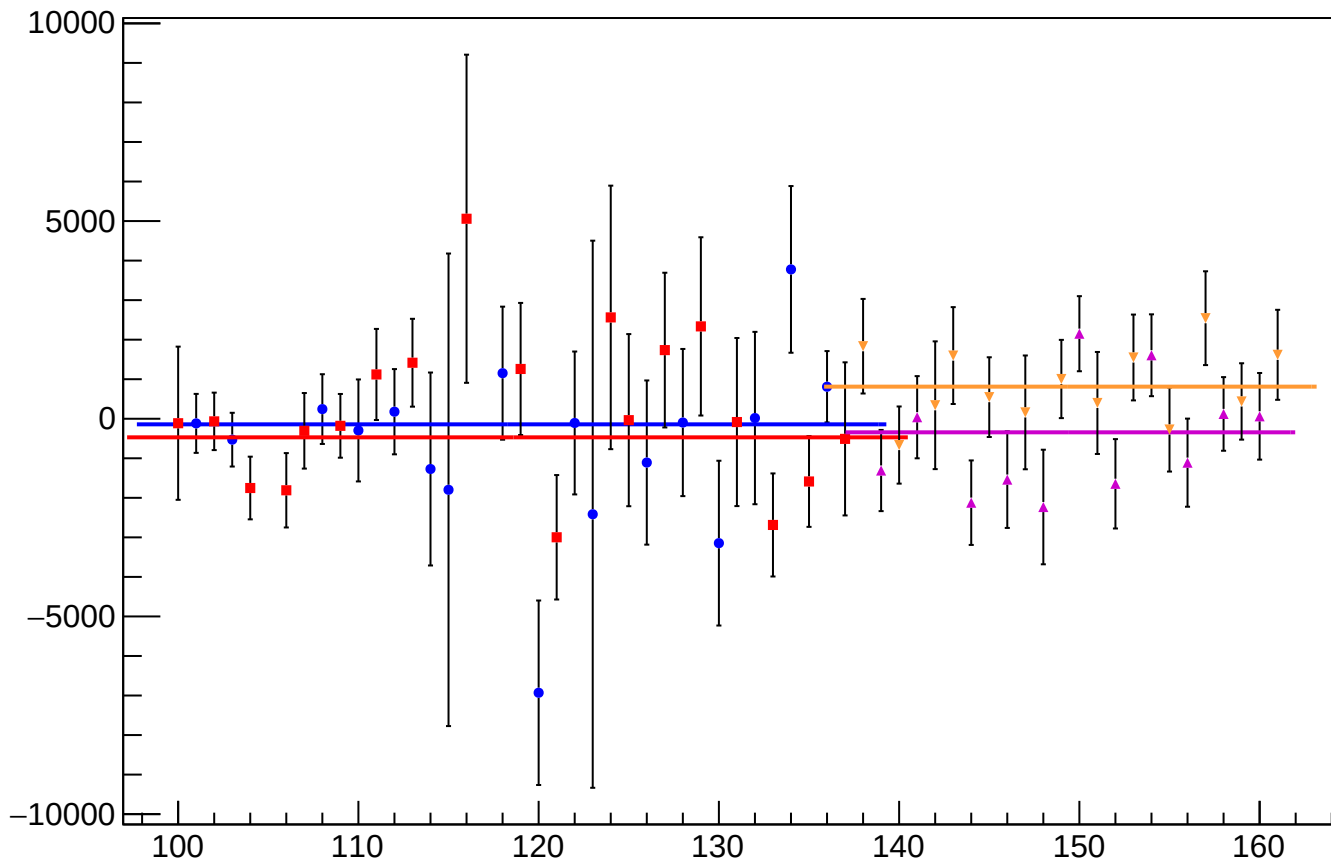
Left In: 2113.889 $\pm$ 0.505 χ^2 /NDF: 325061.6/10

2244.643 $\pm$ 0.403 χ^2 /NDF: 1518600.6/29

2226.006 $\pm$ 0.284 χ^2 /NDF: 2965392.3/59

2207.643 $\pm$ 0.400 χ^2 /NDF: 1442535.7/29

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 812.000+/-313.498 χ^2/NDF : 8.2/12

Right Out: -470.143+/-282.892 χ^2/NDF : 22.9/18

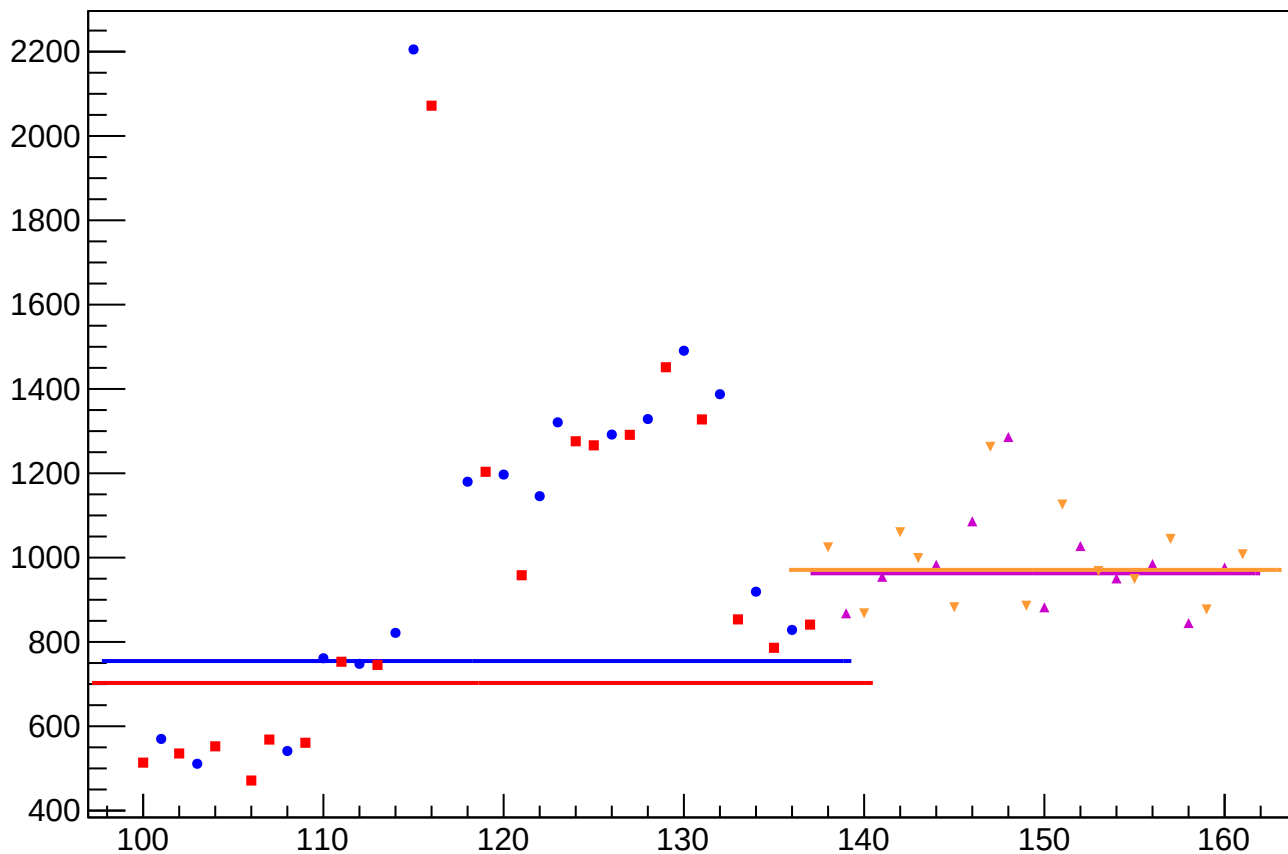
Left In: -343.209+/-324.241 χ^2/NDF : 19.1/10

335.121+/-221.613 χ^2/NDF : 29.8/29

-54.656+/-153.630 χ^2/NDF : 77.8/59

-415.281+/-213.165 χ^2/NDF : 42.1/29

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 970.932 $\pm$ 0.222 χ^2 /NDF: 204350.8/12

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

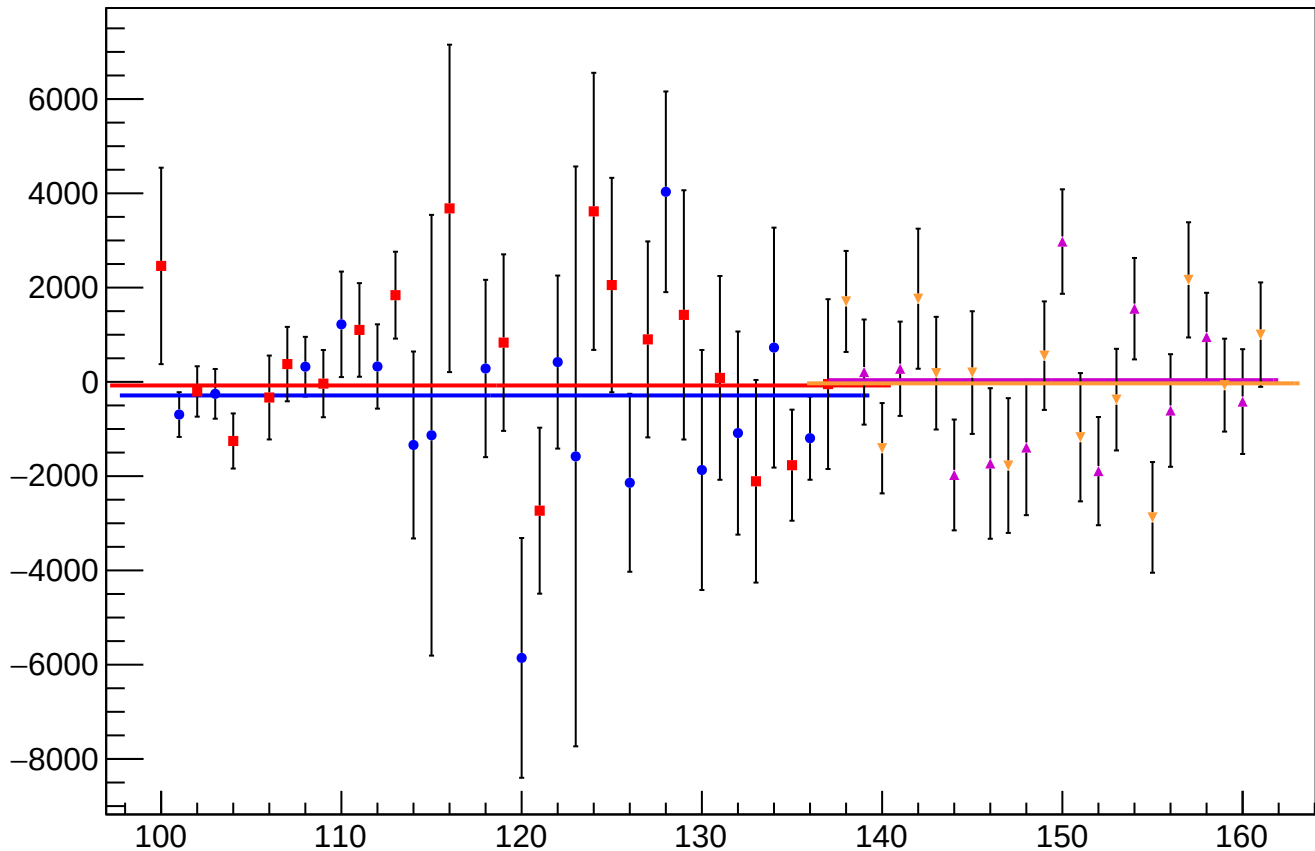
Left In: 962.782 $\pm$ 0.229 χ^2 /NDF: 192233.0/10

862.746 $\pm$ 0.157 χ^2 /NDF: 2371055.0/29

838.009 $\pm$ 0.109 χ^2 /NDF: 5033384.6/59

815.122 $\pm$ 0.151 χ^2 /NDF: 2614355.2/29

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -31.408+/-322.960 χ^2/NDF : 18.7/12

Right Out: -76.119+/-246.083 χ^2/NDF : 21.4/18

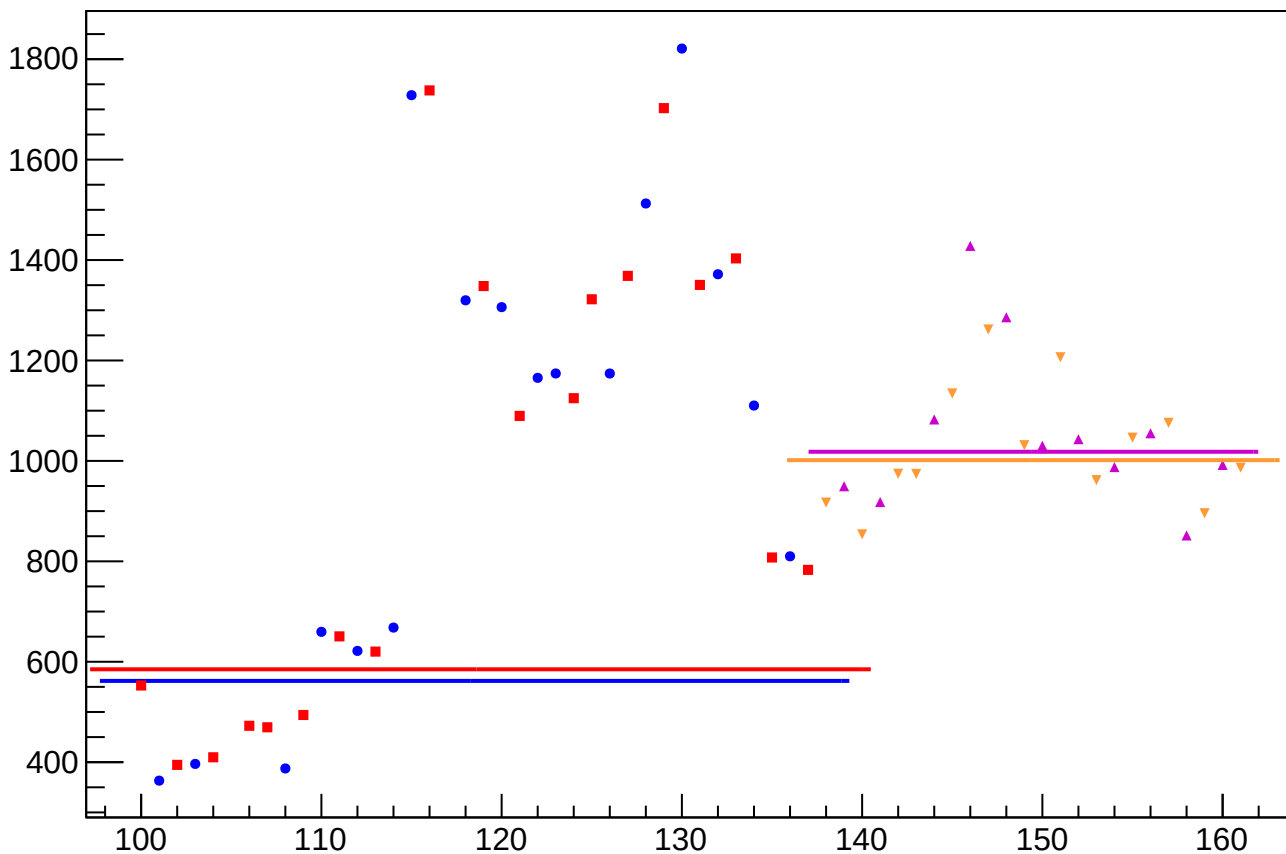
Left In: 35.940+/-343.242 χ^2/NDF : 18.5/10

-191.671+/-197.906 χ^2/NDF : 35.3/29

-115.679+/-140.673 χ^2/NDF : 75.5/59

-38.075+/-199.995 χ^2/NDF : 39.9/29

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1001.485 $\pm$ 0.228 χ^2 /NDF: 231939.3/12

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

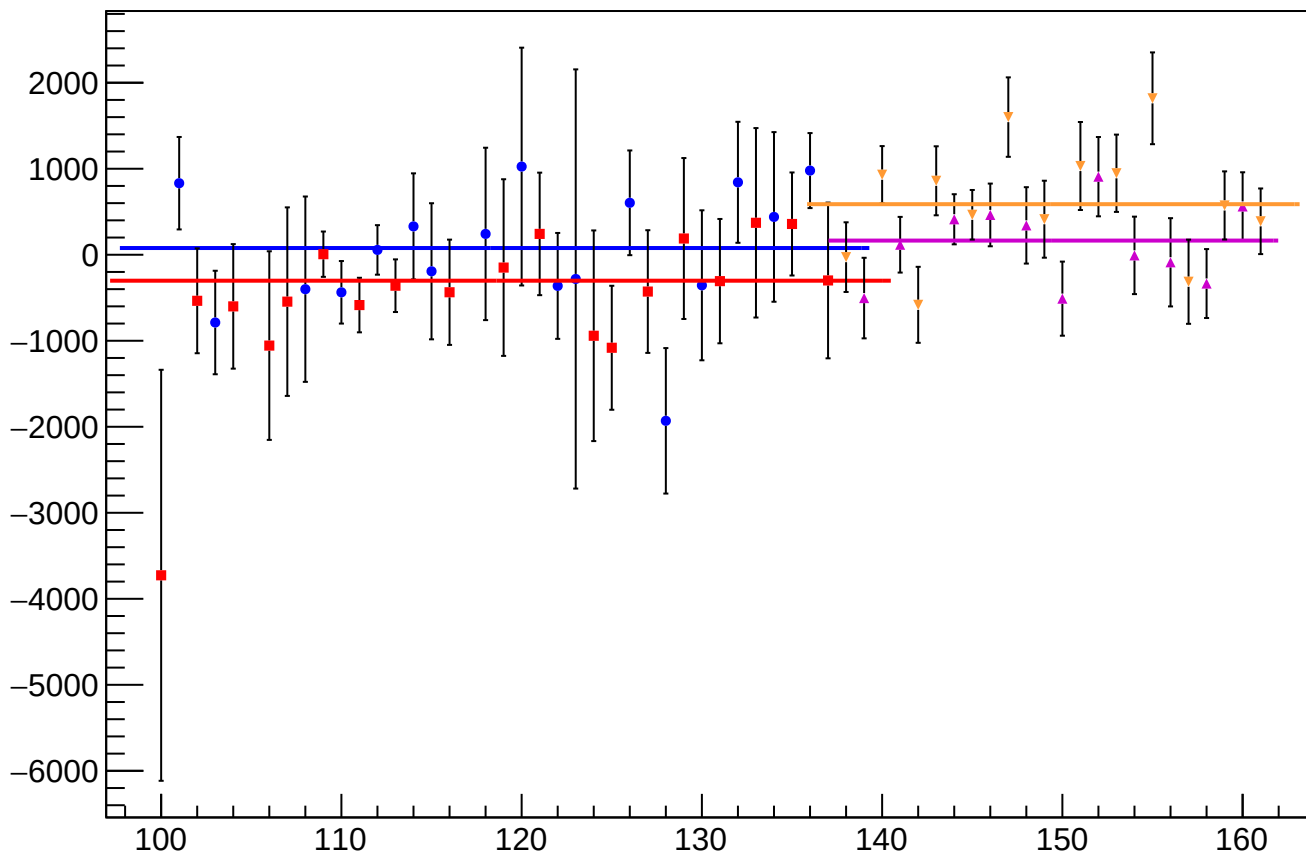
Left In: 1018.203 $\pm$ 0.243 χ^2 /NDF: 304005.1/10

726.964 $\pm$ 0.140 χ^2 /NDF: 5762548.3/29

729.489 $\pm$ 0.099 χ^2 /NDF: 10995929.5/59

732.067 $\pm$ 0.141 χ^2 /NDF: 5232723.4/29

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 587.937 ± 113.315 χ^2/NDF : 26.4/12

Right Out: -301.651 ± 129.650 χ^2/NDF : 9.1/18

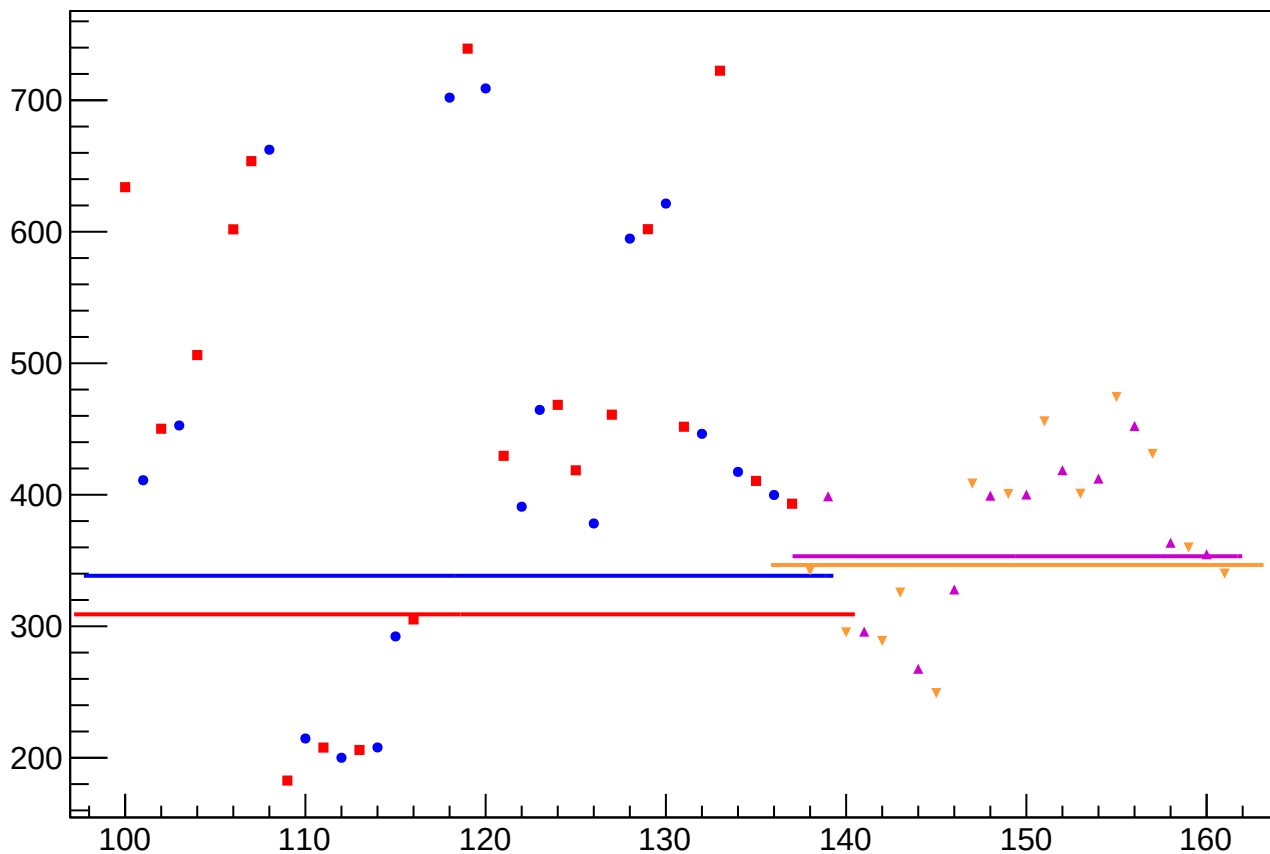
Left In: 164.795 ± 119.634 χ^2/NDF : 11.6/10

391.096 ± 88.780 χ^2/NDF : 54.0/29

168.548 ± 62.472 χ^2/NDF : 94.1/59

-49.718 ± 87.922 χ^2/NDF : 27.7/29

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 +/- 0.101 χ^2/NDF : 2009287.1/16

Left Out: 346.618 +/- 0.080 χ^2/NDF : 677725.0/12

Right Out: 309.081 +/- 0.092 χ^2/NDF : 2733465.5/18

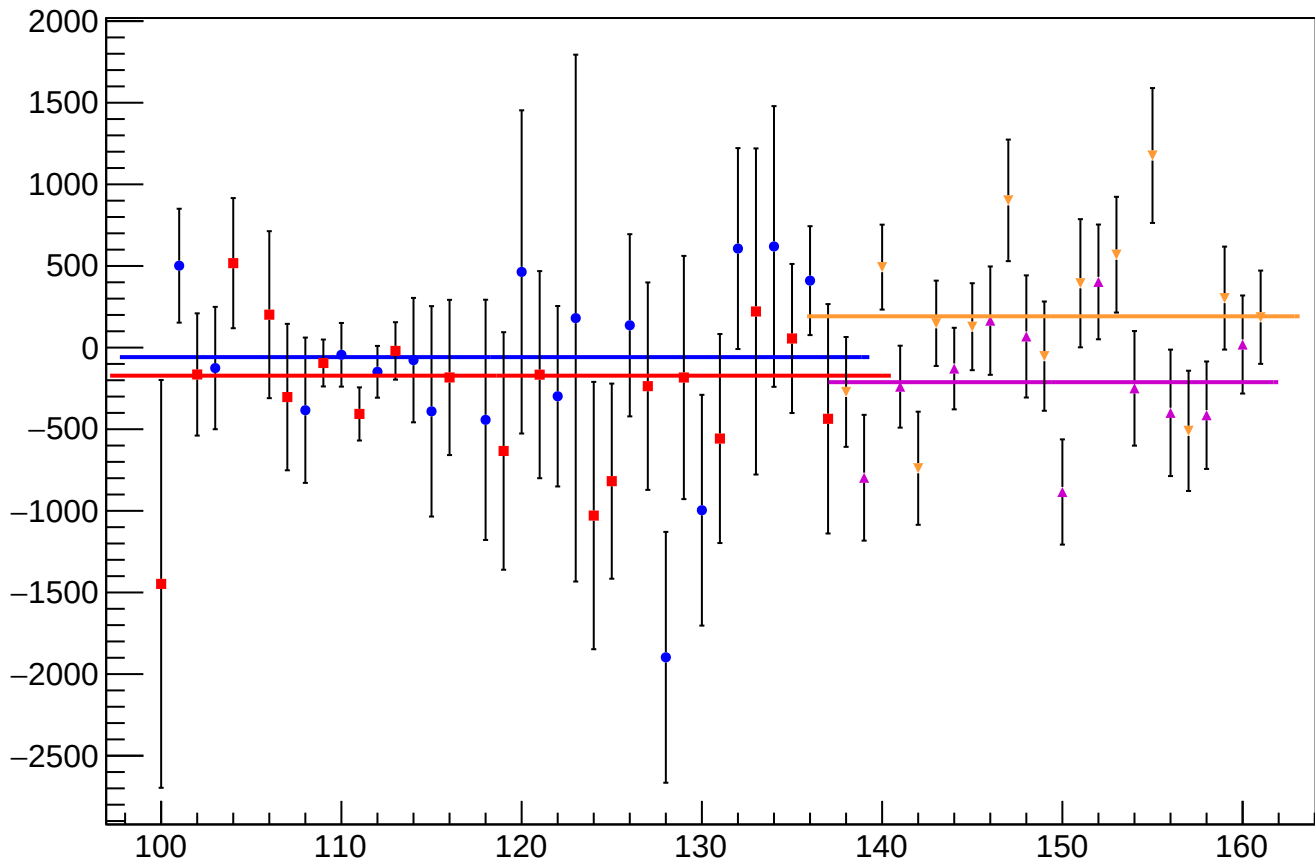
Left In: 353.249 +/- 0.085 χ^2/NDF : 459584.4/10

343.448 +/- 0.063 χ^2/NDF : 2691066.5/29

338.141 +/- 0.044 χ^2/NDF : 6023638.2/59

332.937 +/- 0.062 χ^2/NDF : 3318419.5/29

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 191.672 ± 88.802 χ^2/NDF : 25.5/12

Right Out: -171.954 ± 76.920 χ^2/NDF : 11.3/18

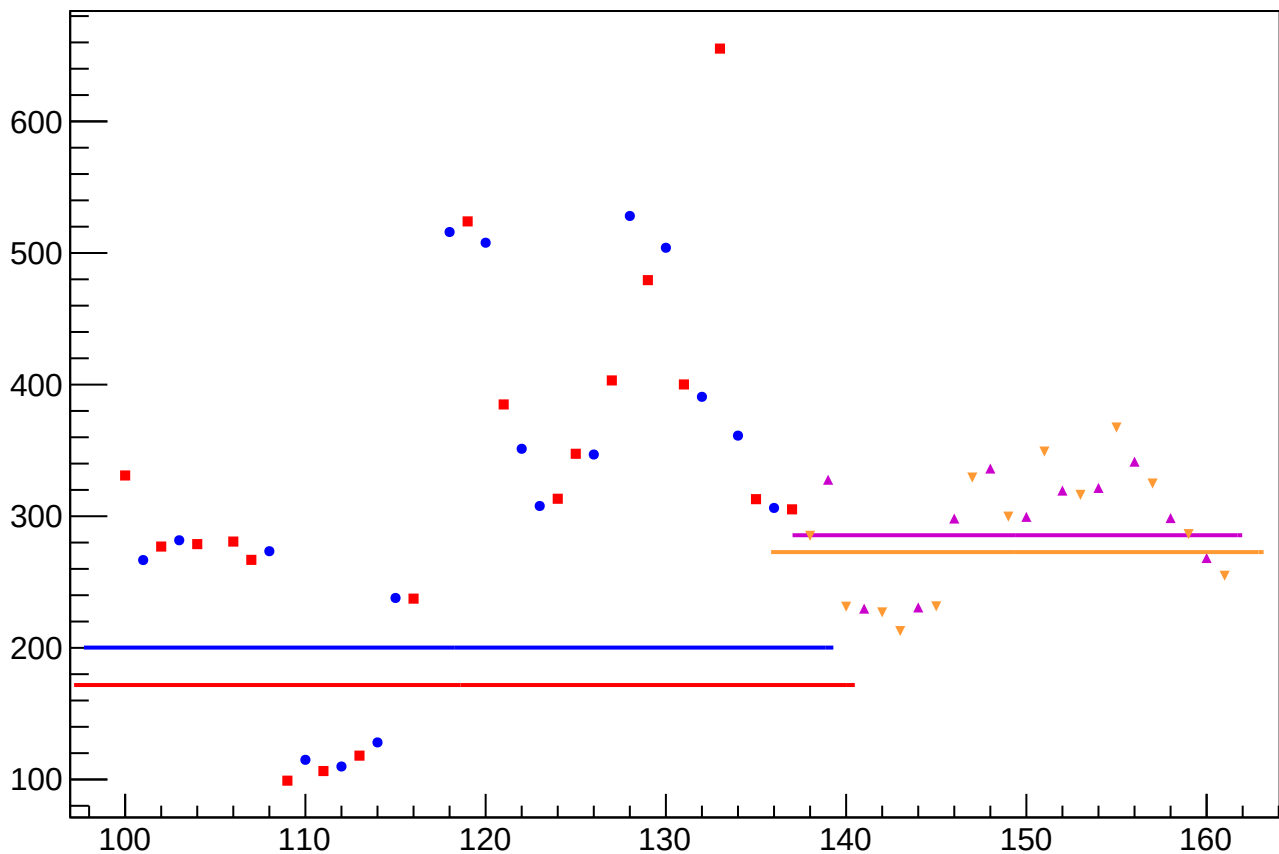
Left In: -211.762 ± 96.365 χ^2/NDF : 12.9/10

69.032 ± 63.379 χ^2/NDF : 45.3/29

-65.978 ± 43.617 χ^2/NDF : 78.3/59

-187.447 ± 60.117 χ^2/NDF : 24.4/29

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 ± 0.064 $\chi^2/\text{NDF}: 3387197.7/16$

Left Out: 272.760 ± 0.063 $\chi^2/\text{NDF}: 563635.4/12$

Right Out: 171.757 ± 0.054 $\chi^2/\text{NDF}: 4093922.6/18$

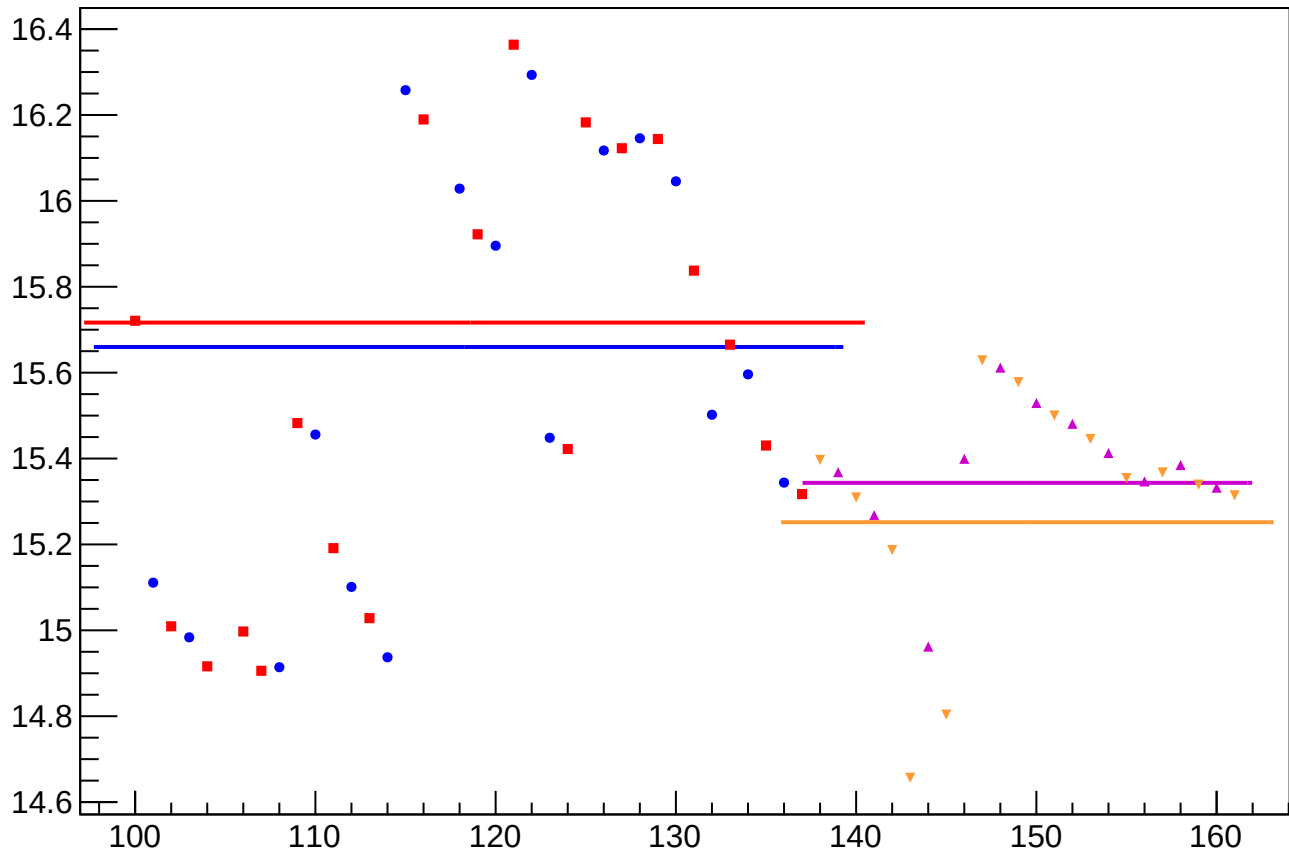
Left In: 285.572 ± 0.068 $\chi^2/\text{NDF}: 353522.2/10$

237.165 ± 0.045 $\chi^2/\text{NDF}: 4605799.0/29$

226.051 ± 0.031 $\chi^2/\text{NDF}: 10874213.2/59$

216.052 ± 0.043 $\chi^2/\text{NDF}: 6151579.6/29$

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.252 $\pm$ 0.000 χ^2/NDF : 6305748248.4/12

Right Out: 15.717 $\pm$ 0.000 χ^2/NDF : 5461829475.3/18

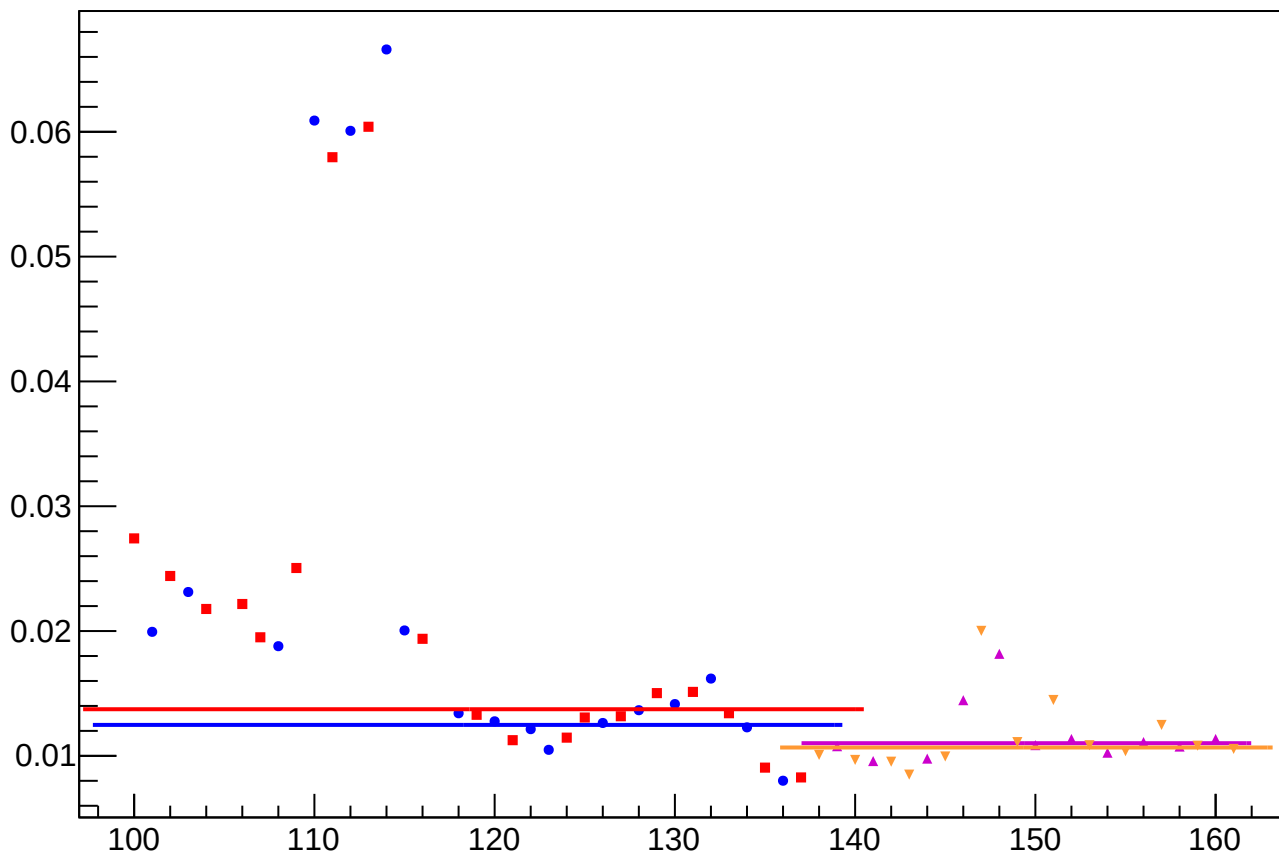
Left In: 15.343 $\pm$ 0.000 χ^2/NDF : 1881613179.4/10

15.373 $\pm$ 0.000 χ^2/NDF : 15964713278.5/29

15.410 $\pm$ 0.000 χ^2/NDF : 26482781000.2/29

15.454 $\pm$ 0.000 χ^2/NDF : 10176941767.2/29

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 583128.9/12

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

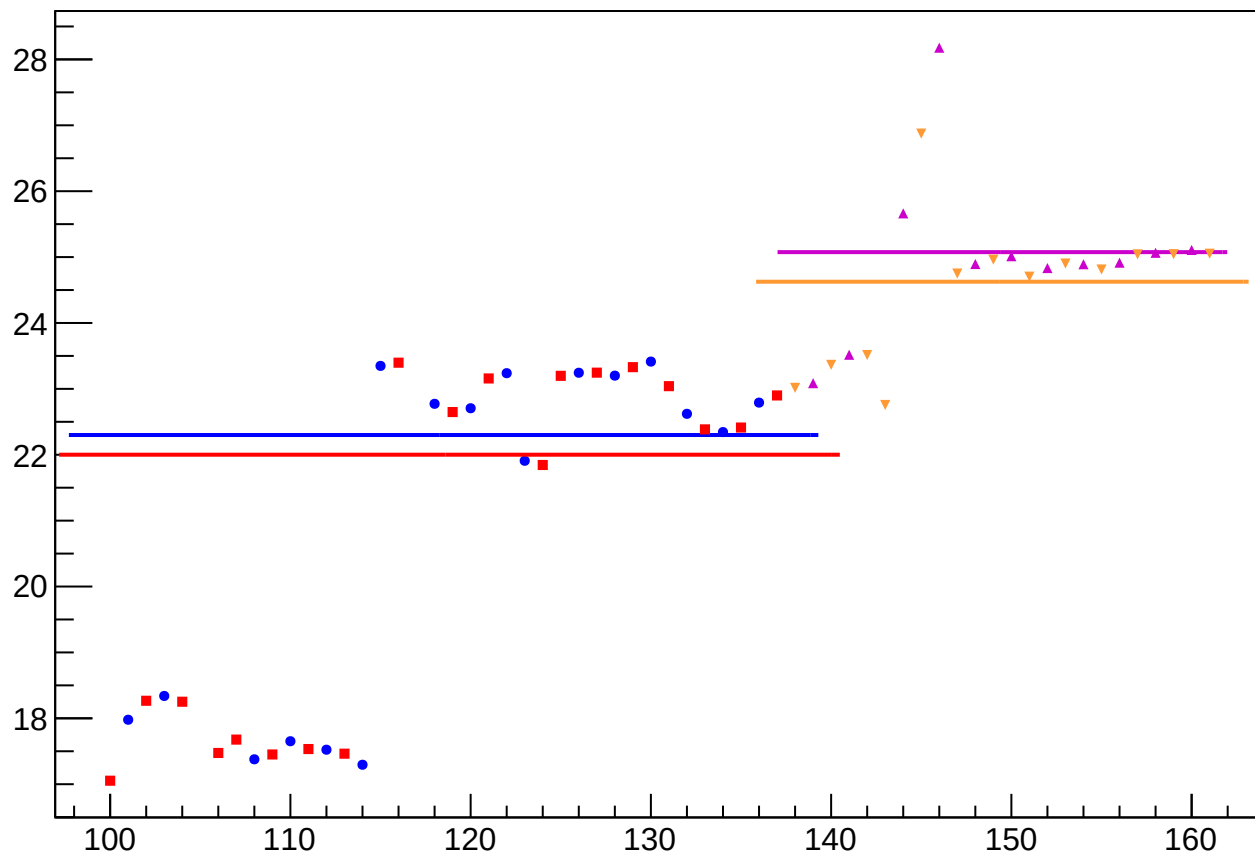
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 395053.9/10

0.011 $\pm$ 0.000 χ^2 /NDF: 2888738.6/29

0.011 $\pm$ 0.000 χ^2 /NDF: 5701688.0/59

0.012 $\pm$ 0.000 χ^2 /NDF: 2773946.9/29

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.626+/-0.000 χ^2/NDF : 854956122.2/12

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

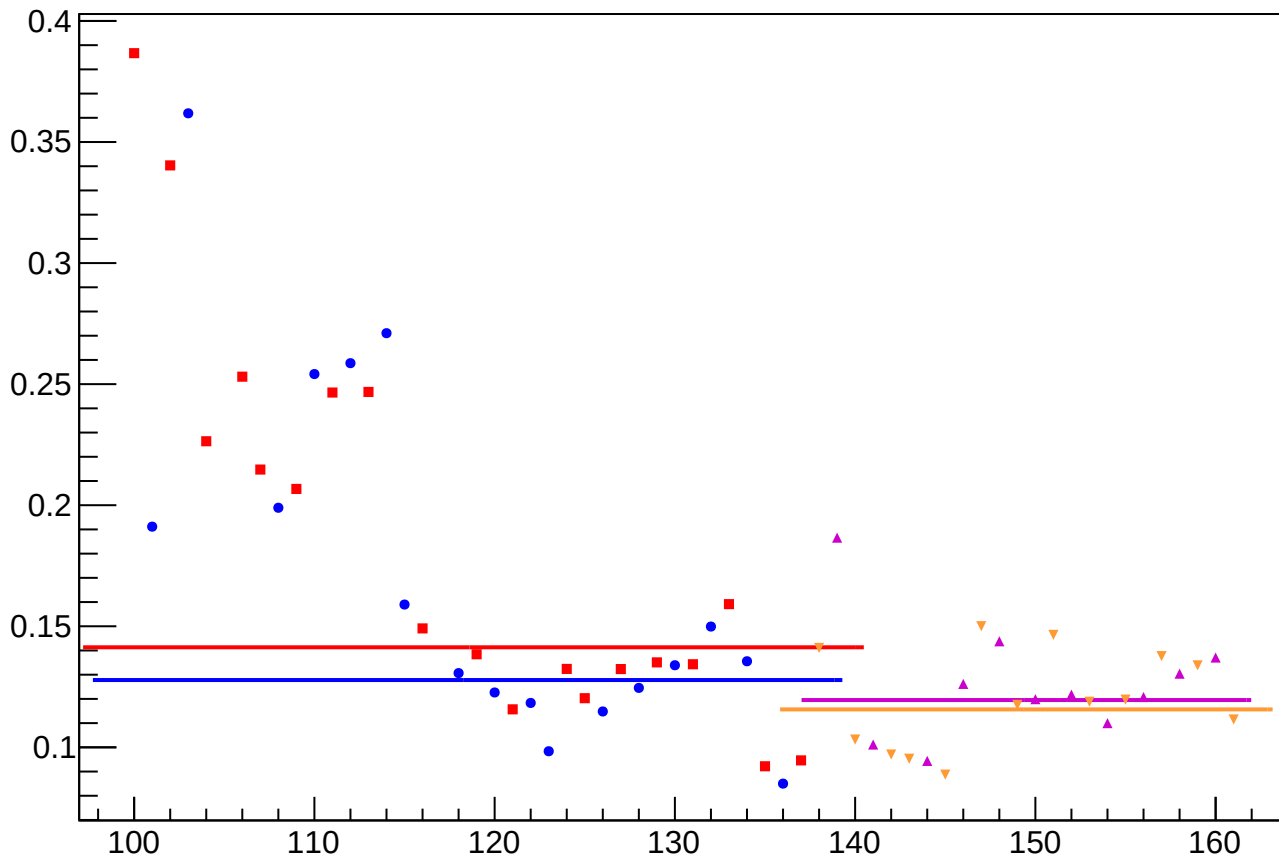
Left In: 25.075+/-0.000 χ^2/NDF : 698094302.1/10

23.843+/-0.000 χ^2/NDF : 2905283702.2/29

23.930+/-0.000 χ^2/NDF : 6404441786.9/5

24.030+/-0.000 χ^2/NDF : 3484157126.8/29

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.116+/-0.000 χ^2/NDF : 451594.8/12

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

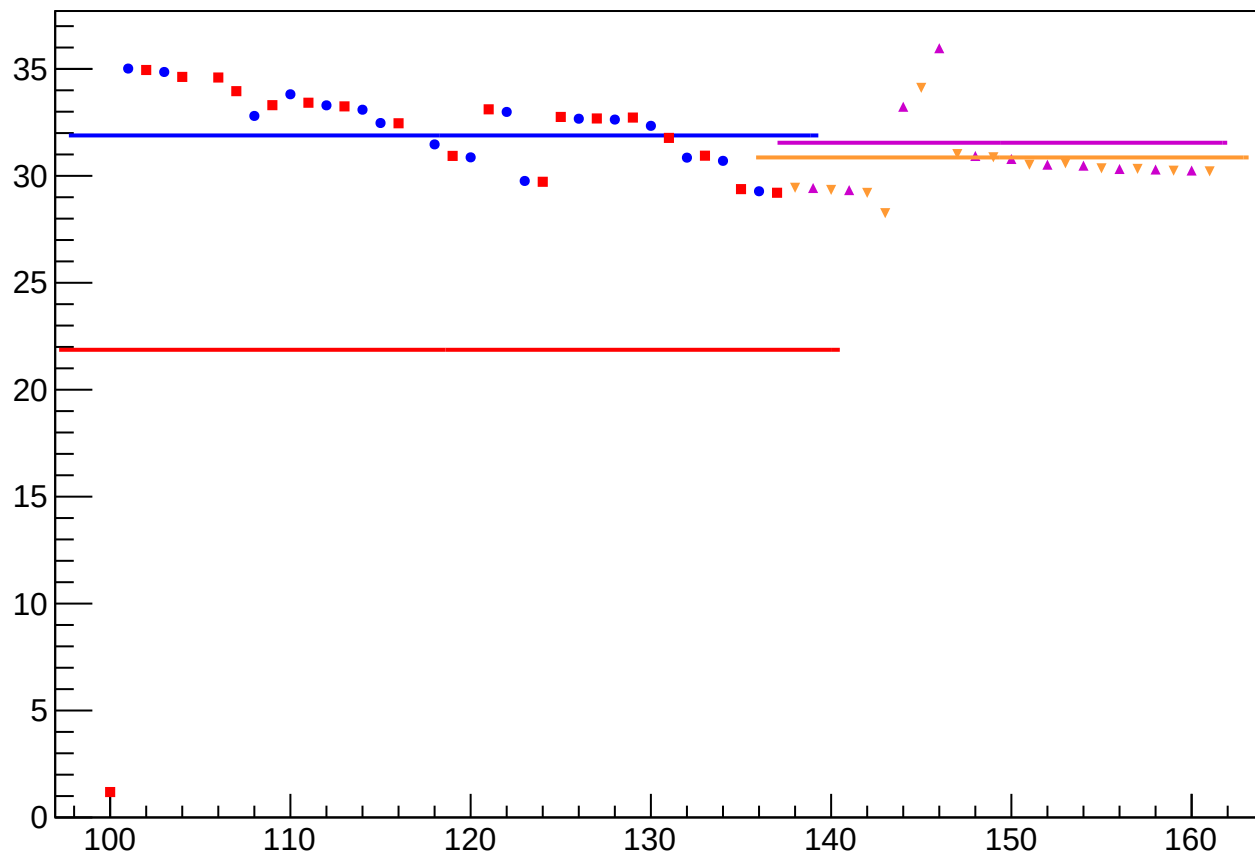
Left In: 0.120+/-0.000 χ^2/NDF : 423694.0/10

0.120+/-0.000 χ^2/NDF : 2004176.4/29

0.123+/-0.000 χ^2/NDF : 4094465.6/59

0.127+/-0.000 χ^2/NDF : 2045661.9/29

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 30.861+/-0.000 χ^2/NDF : 4462097851.5/12

Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

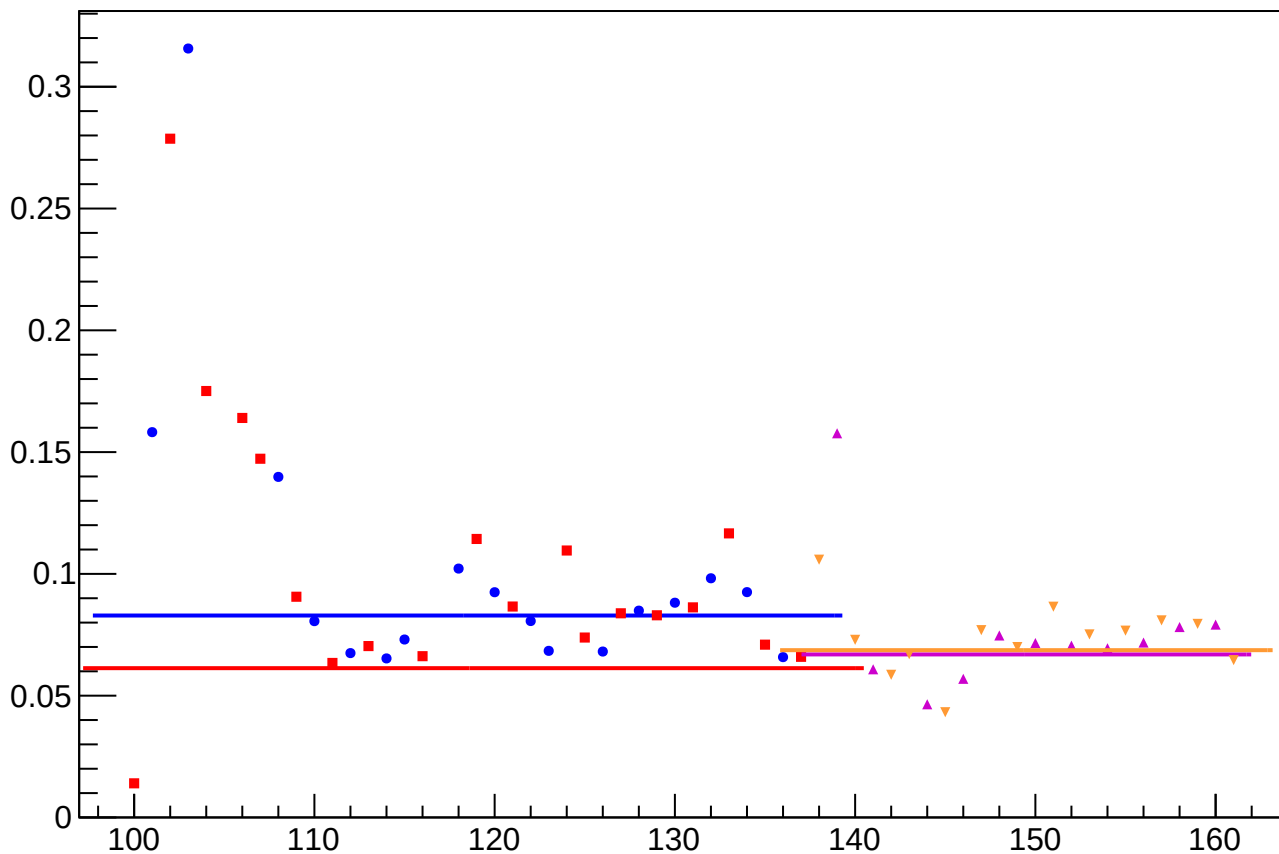
Left In: 31.548+/-0.000 χ^2/NDF : 6251955837.6/10

31.186+/-0.000 χ^2/NDF : 6908059585.1/29

29.239+/-0.000 χ^2/NDF : 317600538214.1

27.525+/-0.000 χ^2/NDF : 294623495777.7/29

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.069+/-0.000 χ^2/NDF : 689172.2/12

Right Out: 0.061+/-0.000 χ^2/NDF : 3603853.3/18

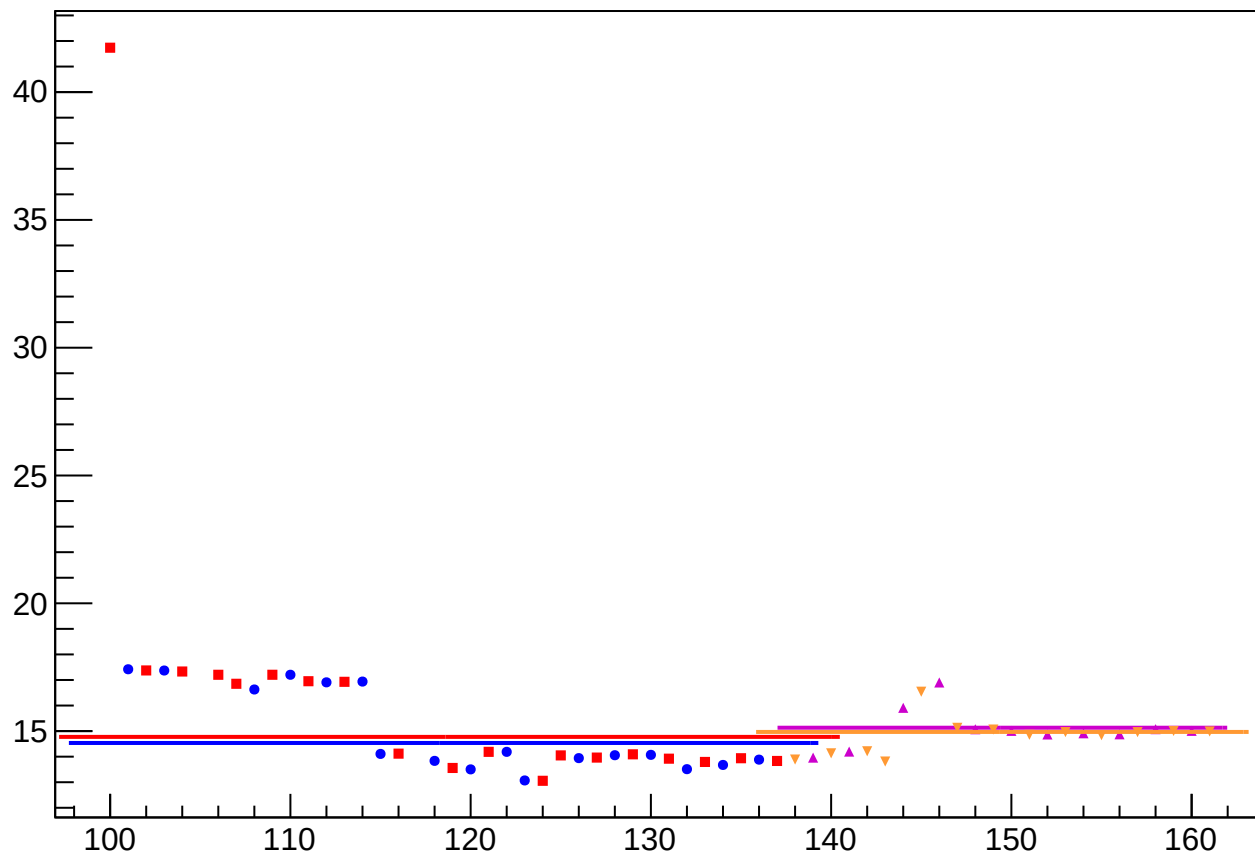
Left In: 0.067+/-0.000 χ^2/NDF : 836663.8/10

0.073+/-0.000 χ^2/NDF : 2050894.7/29

0.069+/-0.000 χ^2/NDF : 6707884.7/59

0.065+/-0.000 χ^2/NDF : 4480144.2/29

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.967+/-0.000 χ^2/NDF : 947294616.7/12

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

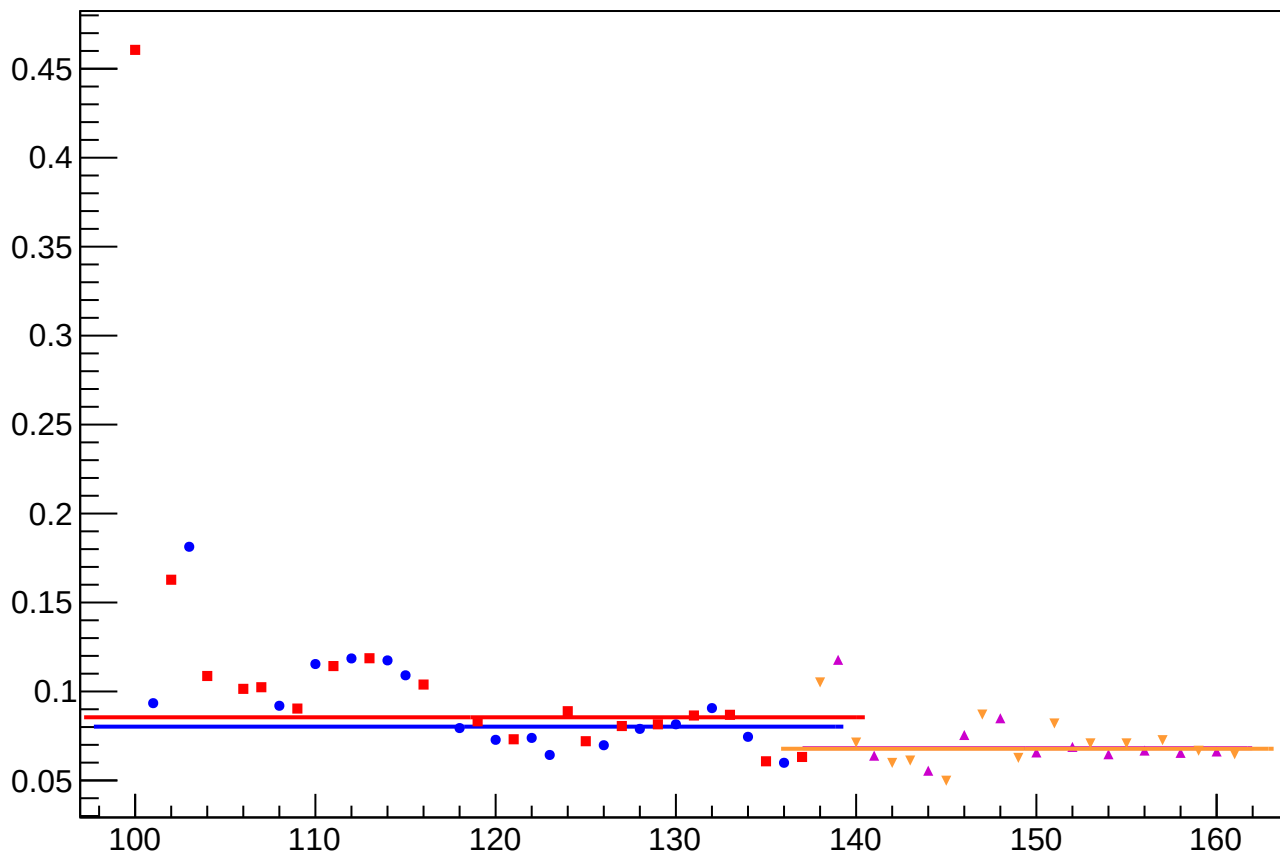
Left In: 15.132+/-0.000 χ^2/NDF : 737736961.4/10

14.825+/-0.000 χ^2/NDF : 2524881661.3/29

14.916+/-0.000 χ^2/NDF : 5262974030.2/5

15.013+/-0.000 χ^2/NDF : 2693546050.6/29

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.068+/-0.000 χ^2/NDF : 471904.5/12

Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

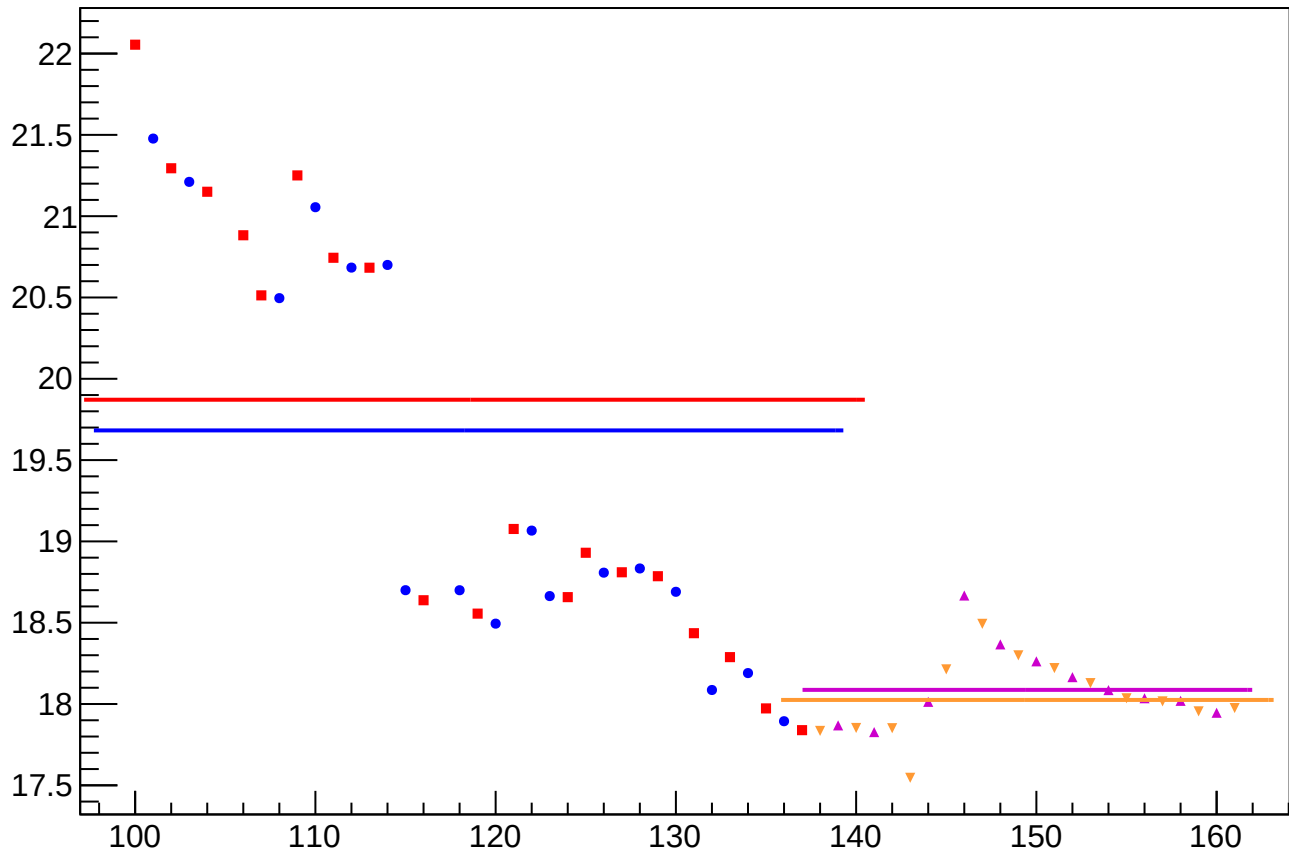
Left In: 0.068+/-0.000 χ^2/NDF : 403771.3/10

0.072+/-0.000 χ^2/NDF : 1427950.1/29

0.073+/-0.000 χ^2/NDF : 2903374.7/59

0.074+/-0.000 χ^2/NDF : 1465592.2/29

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.025+/-0.000 χ^2/NDF : 405340916.8/12

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

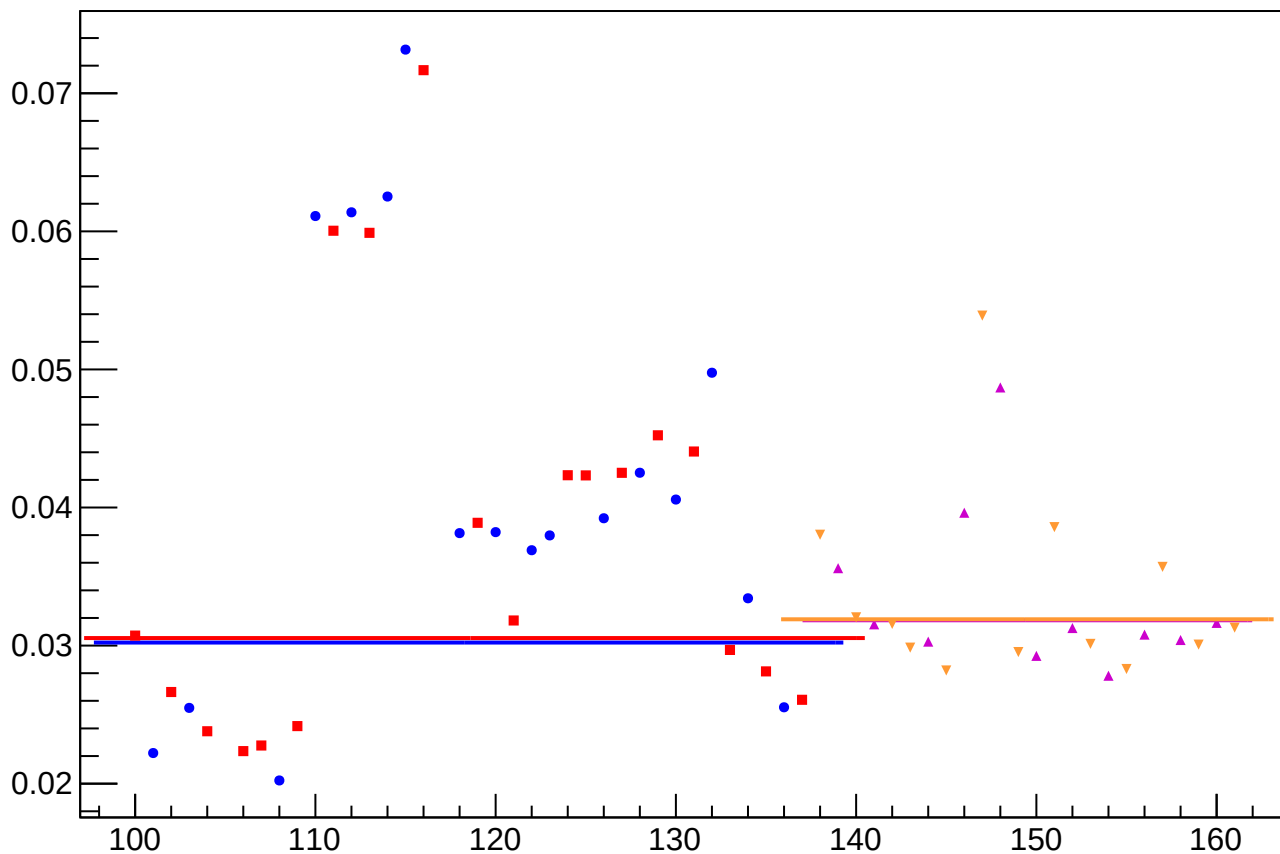
Left In: 18.087+/-0.000 χ^2/NDF : 328968745.7/10

18.697+/-0.000 χ^2/NDF : 22667546080.8/29

18.774+/-0.000 χ^2/NDF : 45992265326.6/29

18.853+/-0.000 χ^2/NDF : 23144658208.0/29

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032+/-0.000 χ^2/NDF : 424451.0/12

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

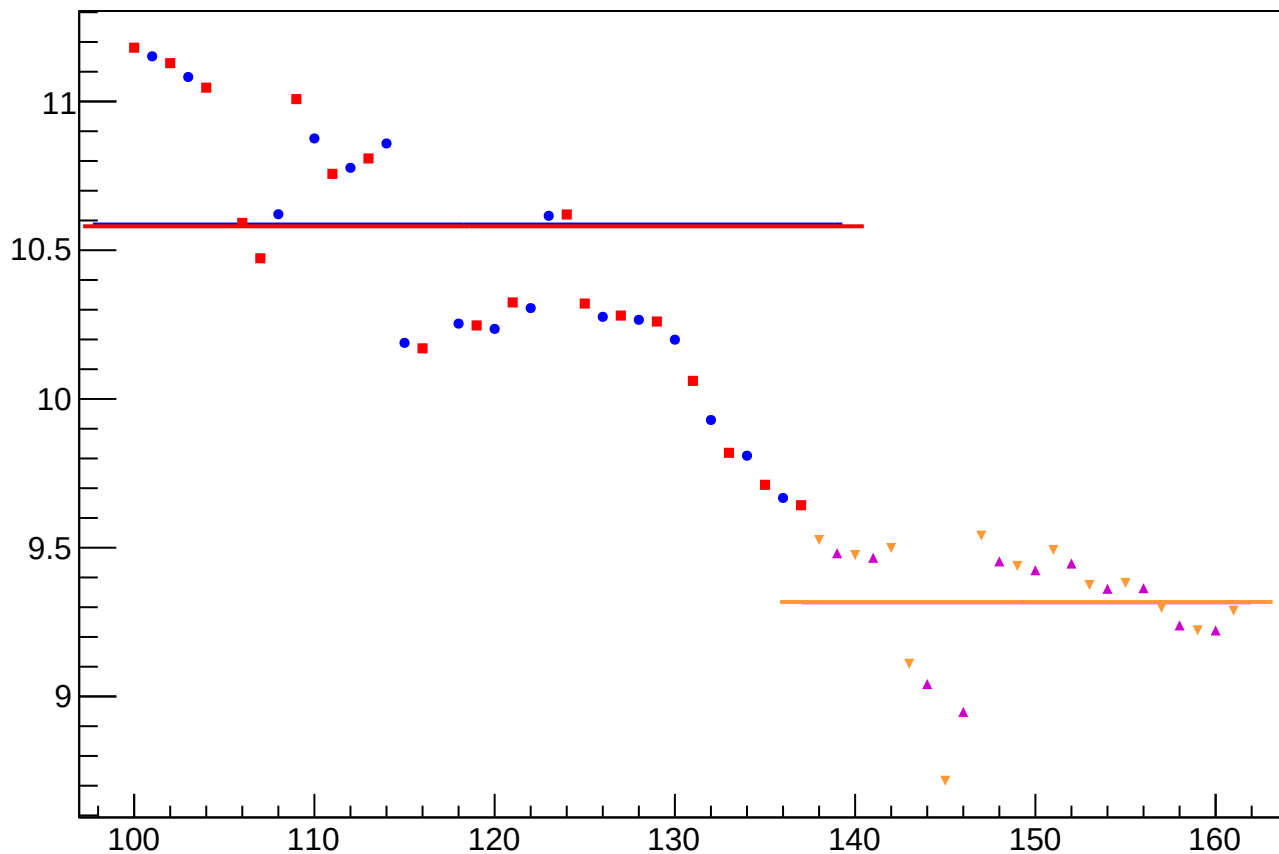
Left In: 0.032+/-0.000 χ^2/NDF : 314741.7/10

0.031+/-0.000 χ^2/NDF : 1769583.9/29

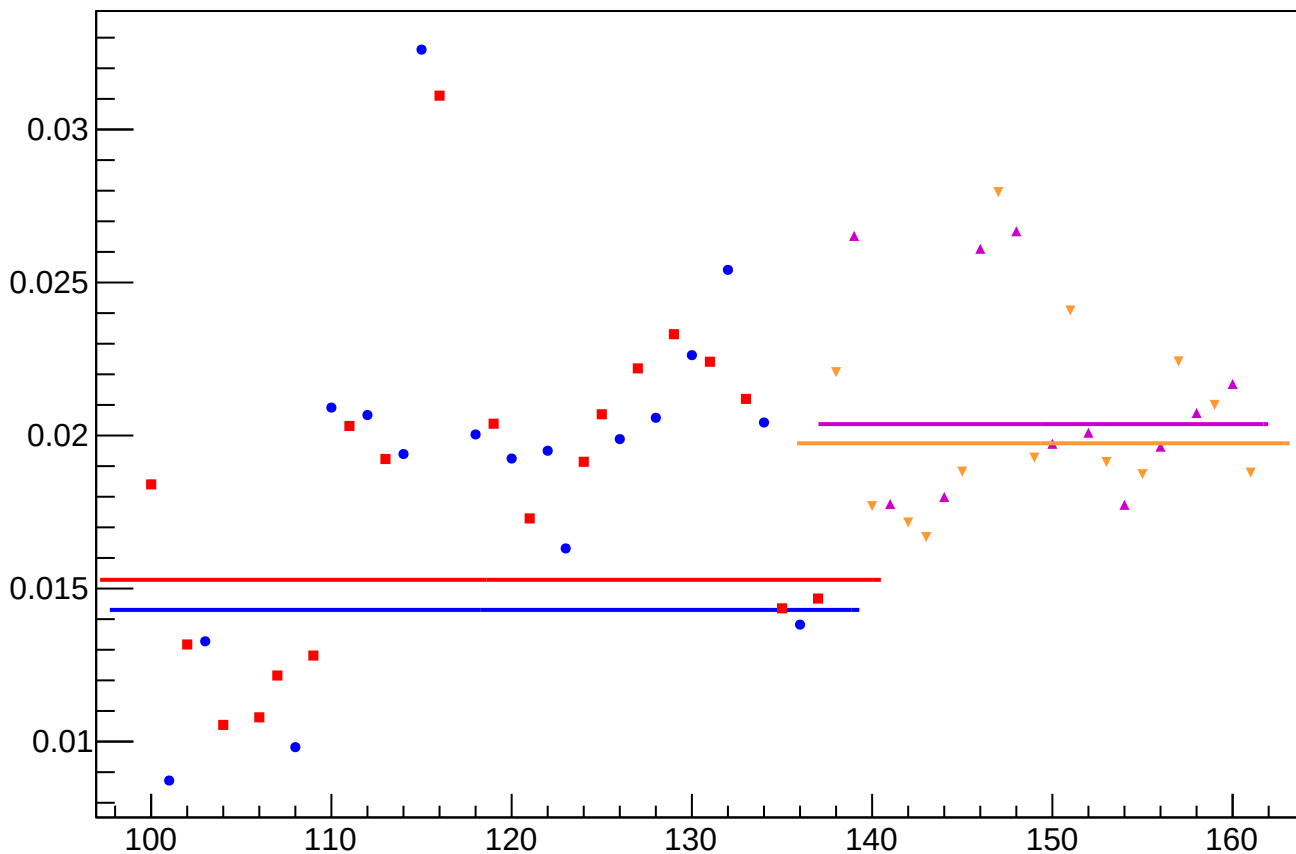
0.031+/-0.000 χ^2/NDF : 3286093.4/59

0.031+/-0.000 χ^2/NDF : 1516456.8/29

yield_sam6_mean vs Slug, Sign Corrected



yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 307675.4/12

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 989017.0/18

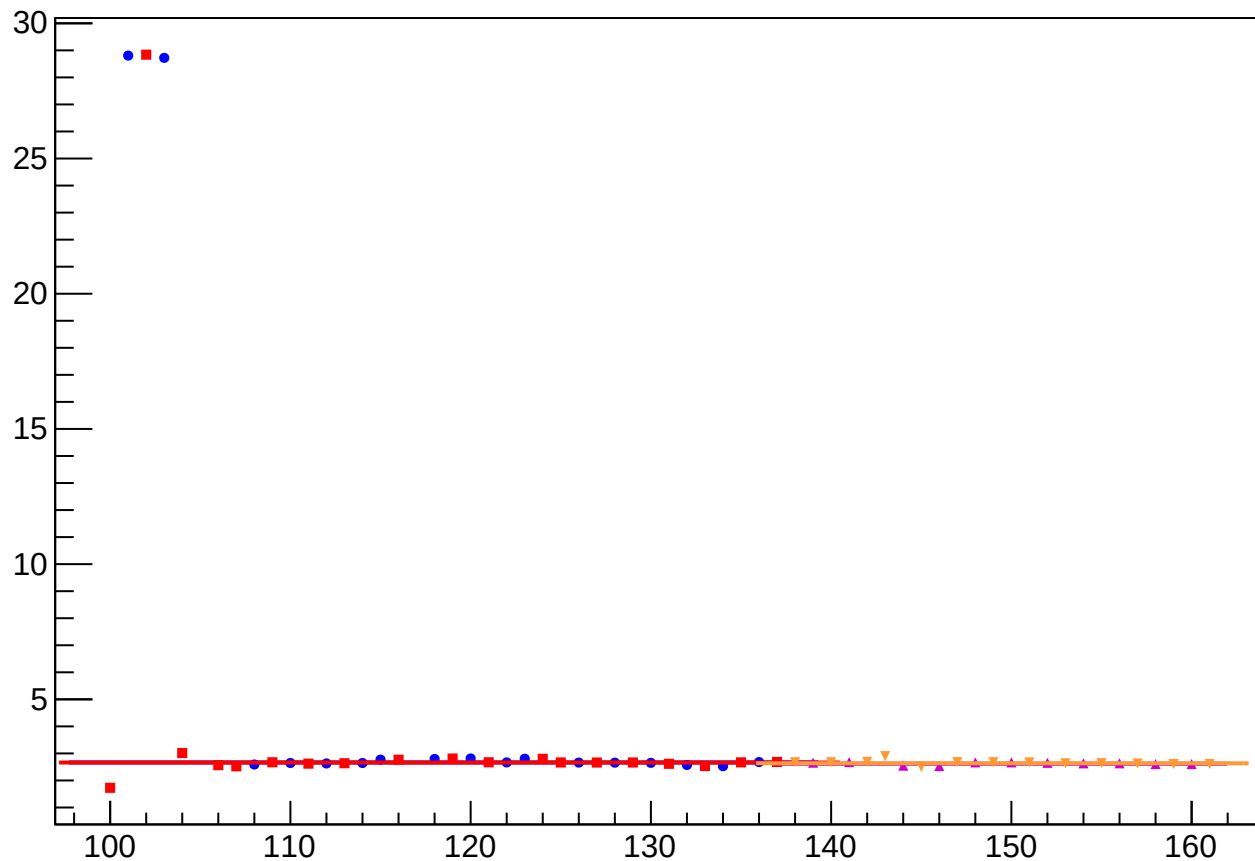
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 335937.5/10

0.017 $\pm$ 0.000 χ^2/NDF : 2430142.1/29

0.017 $\pm$ 0.000 χ^2/NDF : 4347590.6/59

0.018 $\pm$ 0.000 χ^2/NDF : 1895693.6/29

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.635 $\pm$ 0.000 χ^2 /NDF: 11622742037.1/12

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

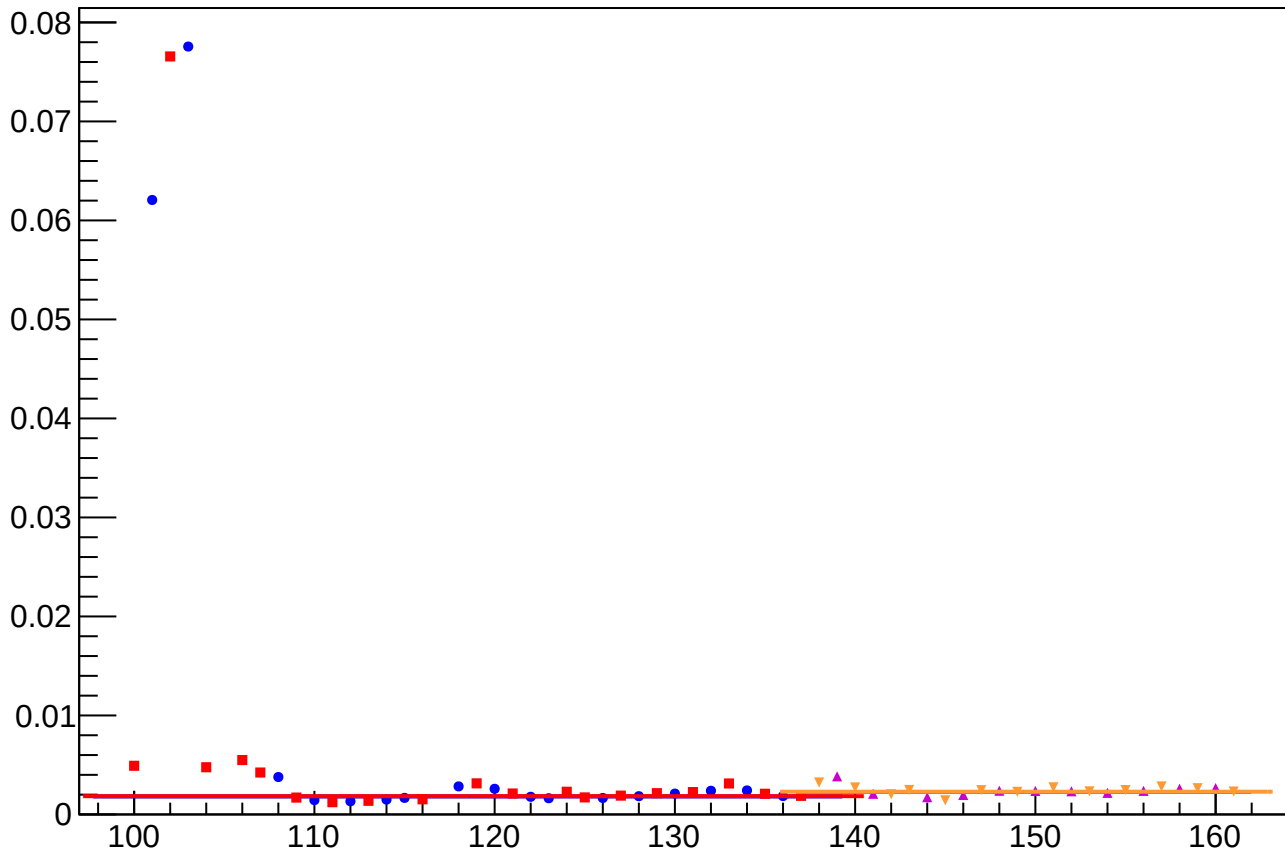
Left In: 2.618 $\pm$ 0.000 χ^2 /NDF: 3881729935.7/10

2.650 $\pm$ 0.000 χ^2 /NDF: 175447162261.9/29

2.645 $\pm$ 0.000 χ^2 /NDF: 251298255541.4/29

2.641 $\pm$ 0.000 χ^2 /NDF: 75729691408.1/29

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 693285.2/12

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

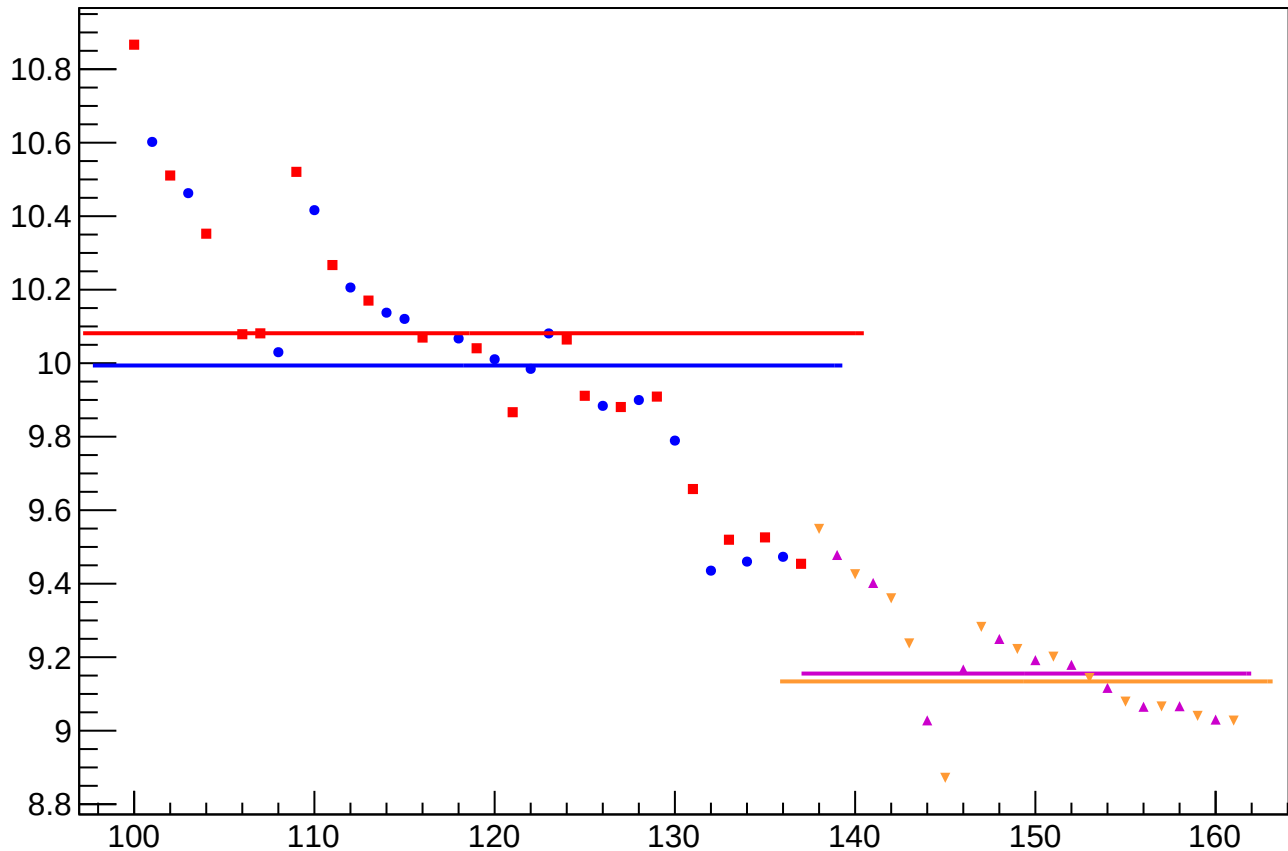
Left In: 0.002+/-0.000 χ^2/NDF : 465901.6/10

0.002+/-0.000 χ^2/NDF : 3679178.2/29

0.002+/-0.000 χ^2/NDF : 6727853.6/59

0.002+/-0.000 χ^2/NDF : 3048351.6/29

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.134+/-0.000 χ^2/NDF : 5297403066.6/12

9.547+/-0.000 χ^2/NDF : 93581682980.1/29

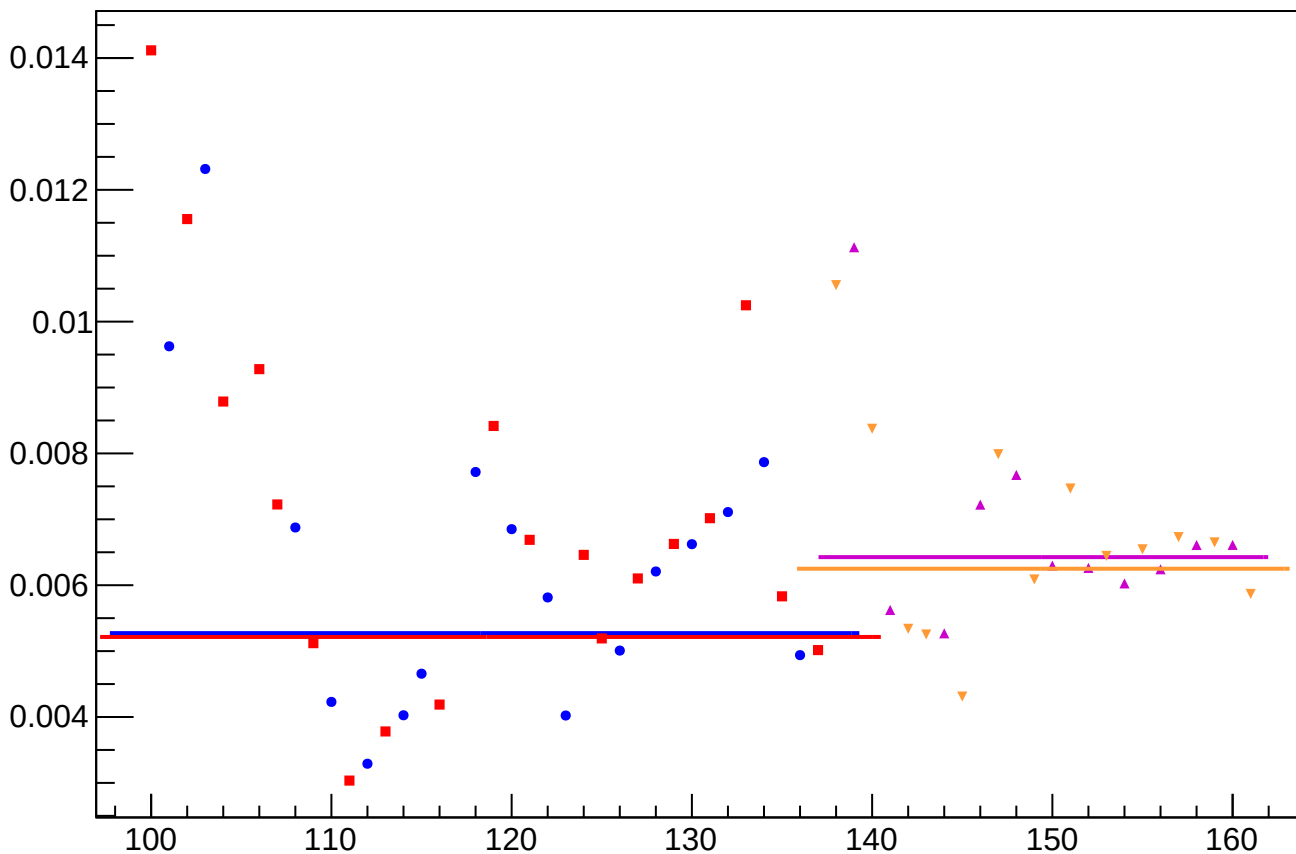
9.592+/-0.000 χ^2/NDF : 192419932476.9/29

Right Out: 10.082+/-0.000 χ^2/NDF : 15502695798.7/18

9.637+/-0.000 χ^2/NDF : 97311241328.1/29

Left In: 9.155+/-0.000 χ^2/NDF : 2754024028.9/10

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 673268.1/12

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

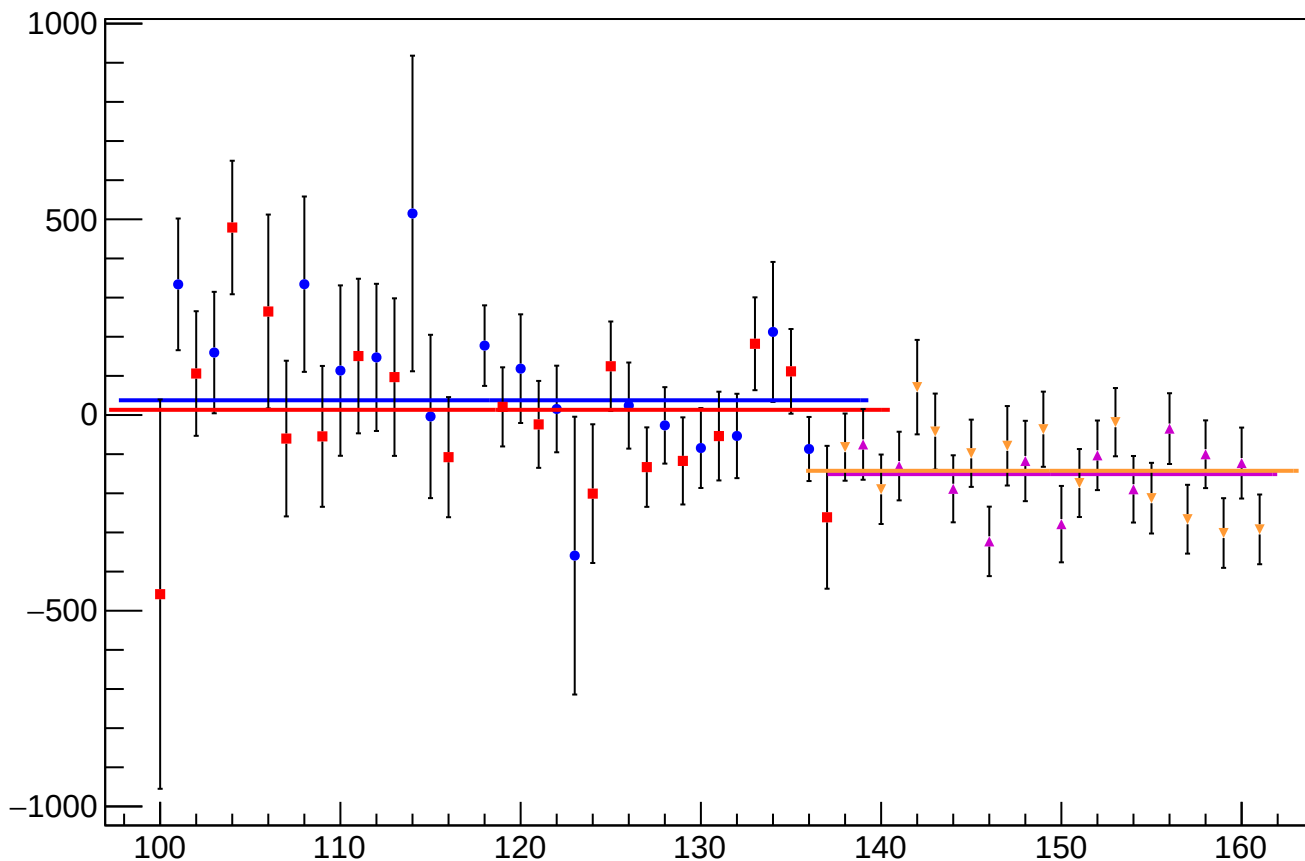
Left In: 0.006+/-0.000 χ^2/NDF : 392341.7/10

0.006+/-0.000 χ^2/NDF : 2098395.7/29

0.006+/-0.000 χ^2/NDF : 4419317.9/59

0.006+/-0.000 χ^2/NDF : 2320840.0/29

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694+/-32.253 χ^2/NDF : 16.7/16

Left Out: -142.506+/-25.425 χ^2/NDF : 17.6/12

Right Out: 13.278+/-32.066 χ^2/NDF : 22.7/18

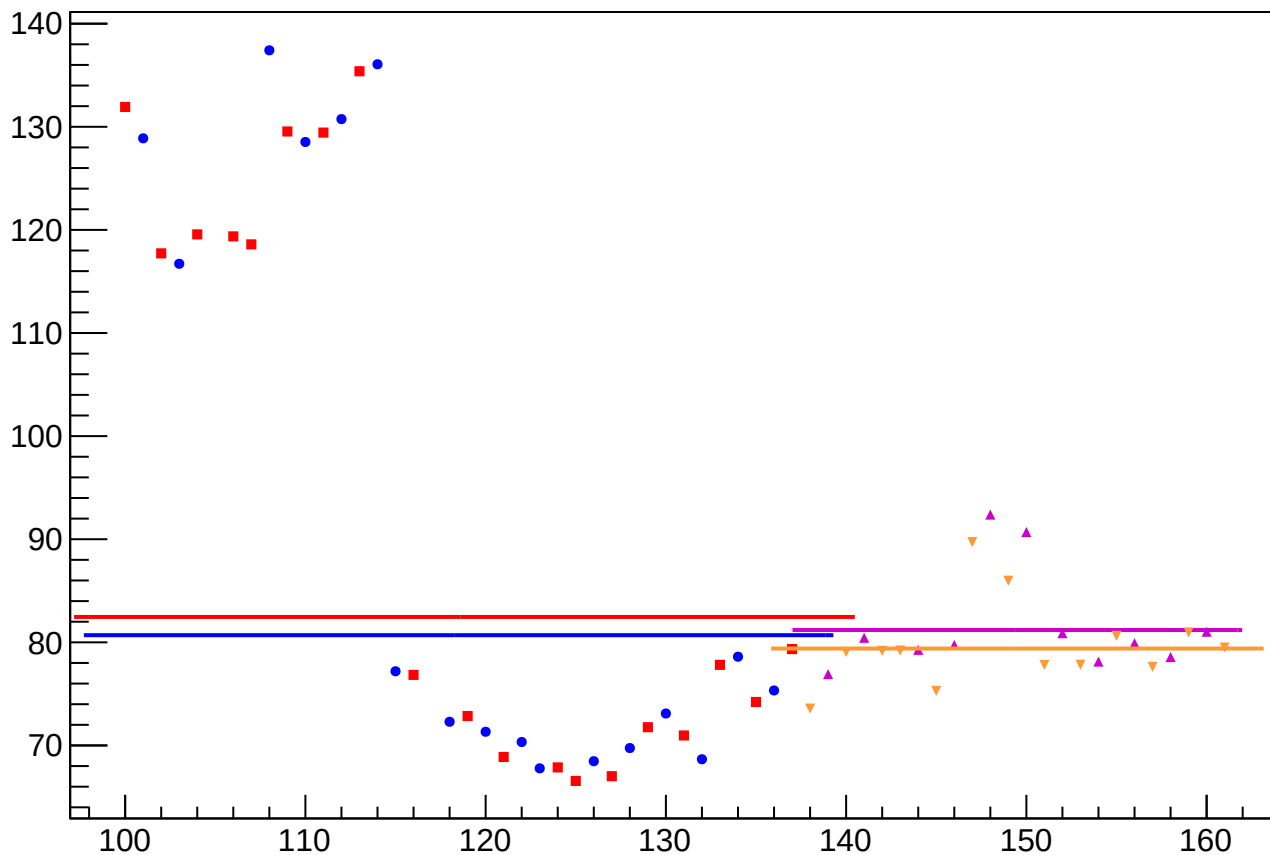
Left In: -150.980+/-27.132 χ^2/NDF : 9.1/10

-73.445+/-19.967 χ^2/NDF : 53.6/29

-77.782+/-14.375 χ^2/NDF : 100.8/59

-82.448+/-20.713 χ^2/NDF : 47.1/29

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694+/-0.023 χ^2/NDF : 814026.4/16

Left Out: 79.400+/-0.018 χ^2/NDF : 46988.8/12

Right Out: 82.464+/-0.023 χ^2/NDF : 914878.0/18

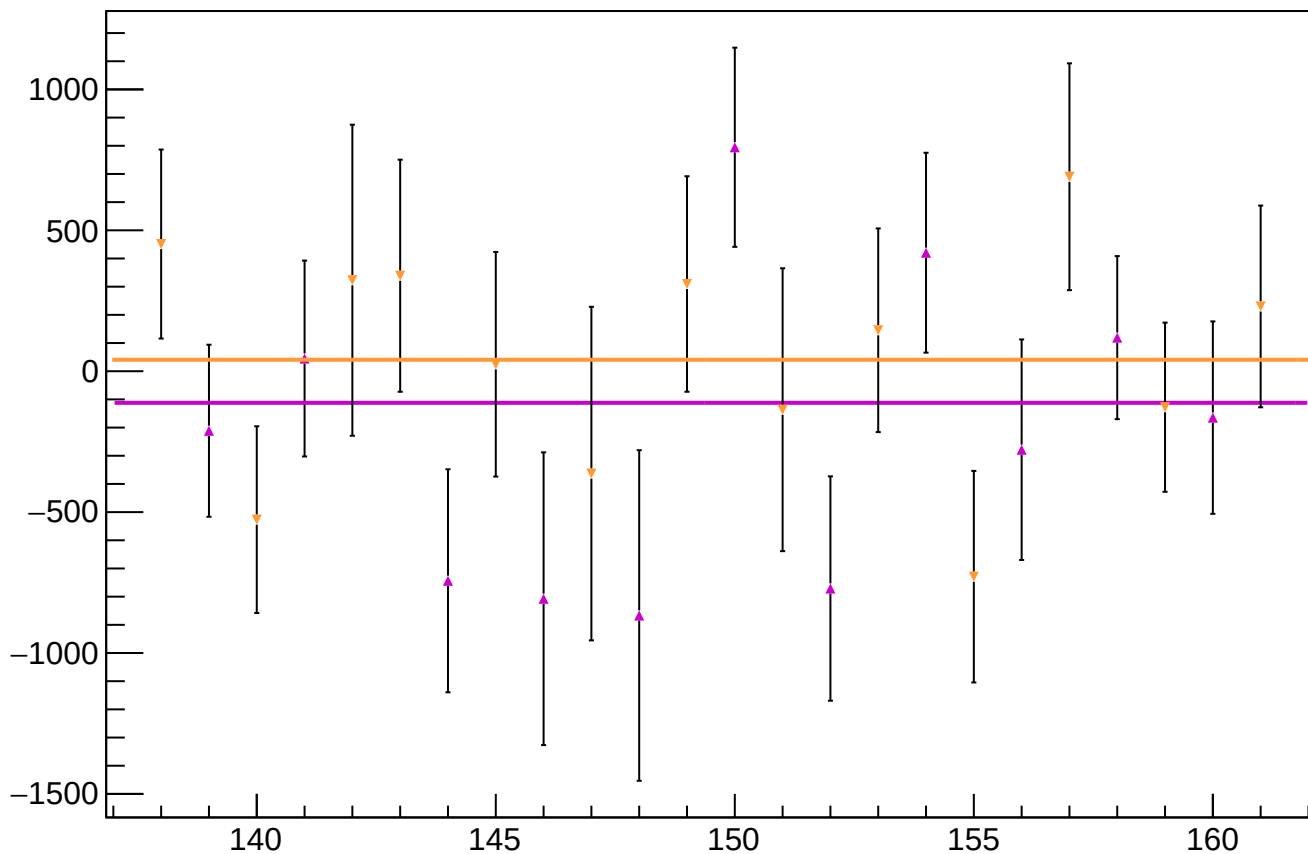
Left In: 81.198+/-0.019 χ^2/NDF : 53782.8/10

79.896+/-0.014 χ^2/NDF : 863002.7/29

80.777+/-0.010 χ^2/NDF : 1841572.9/59

81.726+/-0.015 χ^2/NDF : 970477.6/29

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 40.666 $\pm$ 107.227 χ^2 /NDF:13.8/12

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

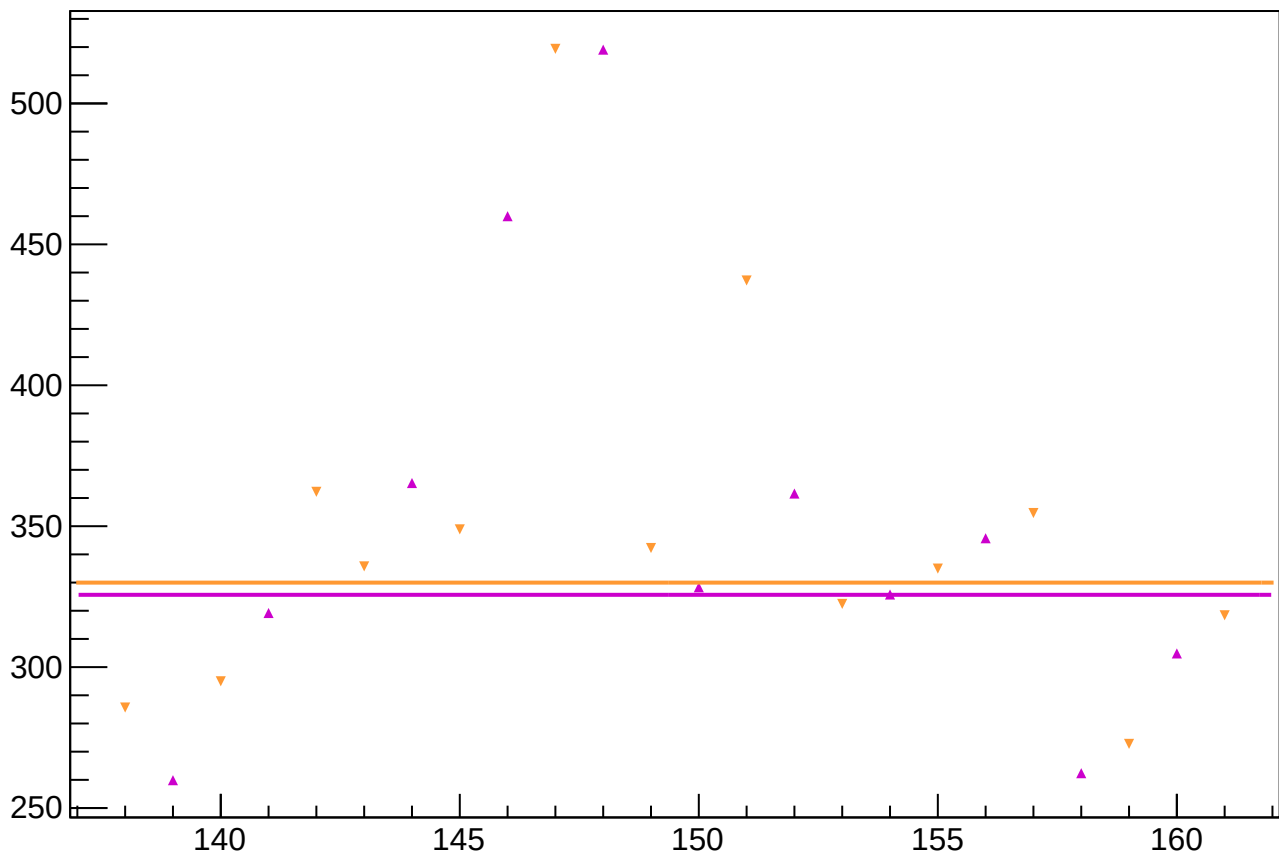
Left In: -112.144 $\pm$ 110.888 χ^2 /NDF:18.7/10

40.666 $\pm$ 107.227 χ^2 /NDF: 13.8/12

-33.175 $\pm$ 77.083 χ^2 /NDF: 33.5/23

-112.144 $\pm$ 110.888 χ^2 /NDF: 18.7/10

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 329.984+/-0.076 χ^2/NDF : 450578.7/12

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

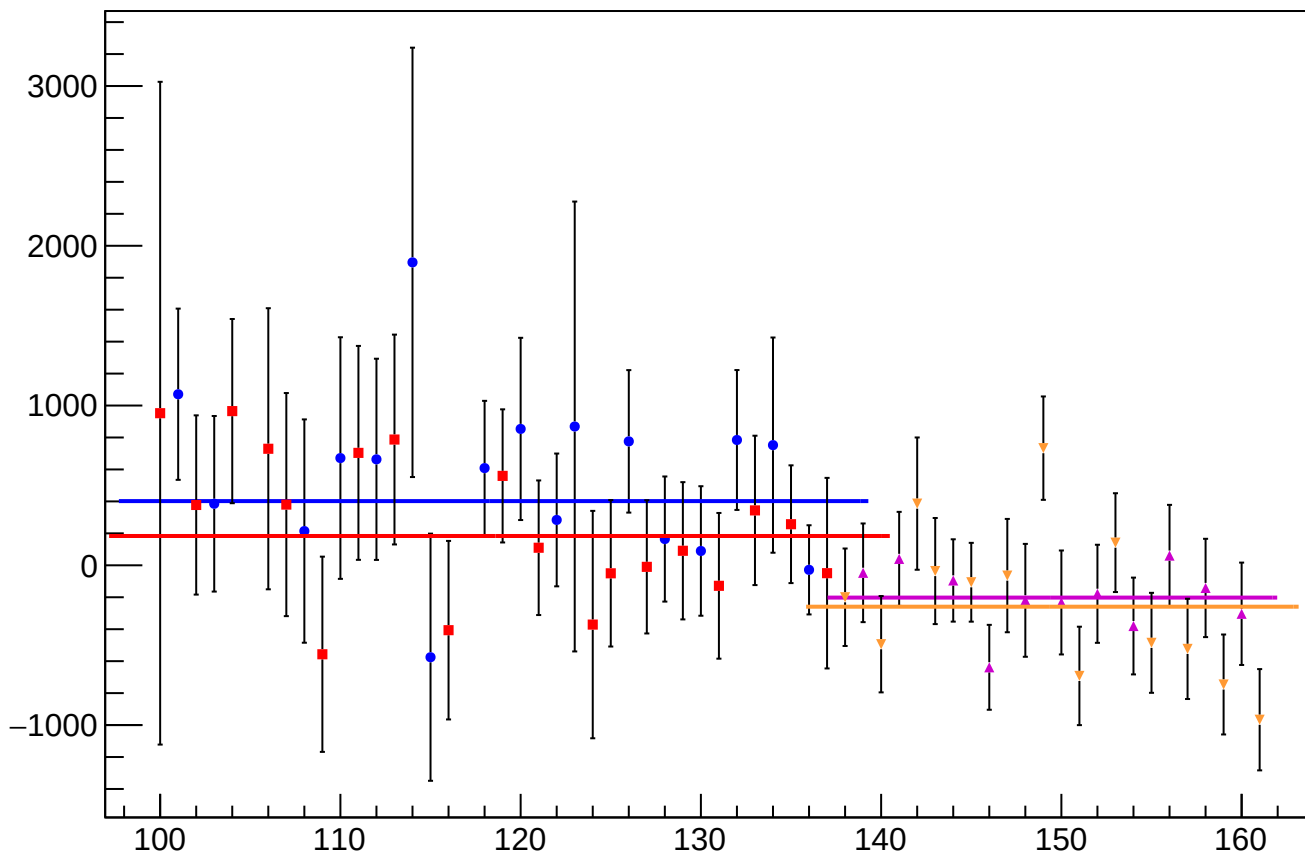
Left In: 325.654+/-0.078 χ^2/NDF : 589686.6/10

329.984+/-0.076 χ^2/NDF : 450578.7/12

327.892+/-0.055 χ^2/NDF : 1041841.6/23

325.654+/-0.078 χ^2/NDF : 589686.6/10

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -259.116 $\pm$ 87.000 χ^2 /NDF:25.9/12

Right Out: 183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

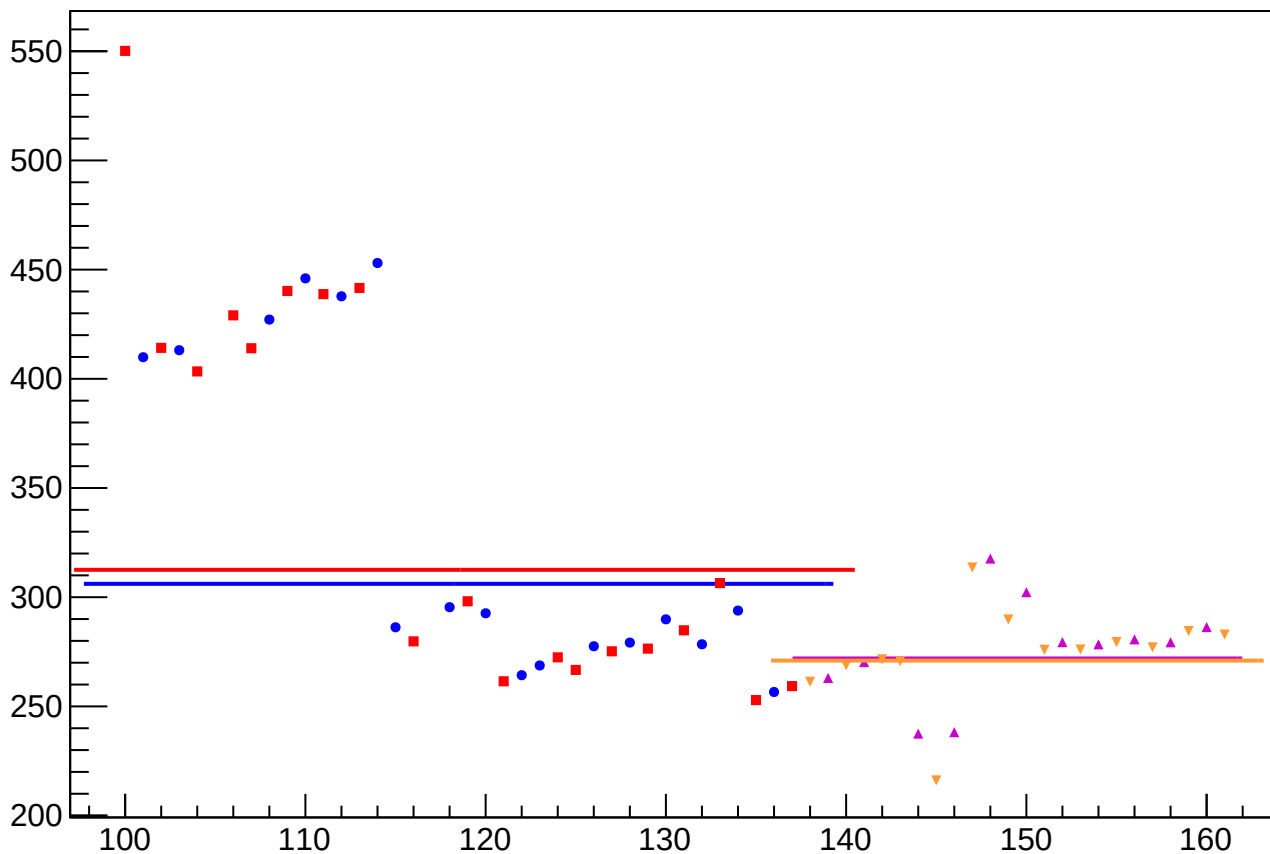
Left In: -202.111 $\pm$ 91.125 χ^2 /NDF:5.0/10

-33.974 $\pm$ 70.646 χ^2 /NDF: 56.5/29

-47.395 $\pm$ 50.647 χ^2 /NDF: 77.4/59

-61.586 $\pm$ 72.647 χ^2 /NDF: 20.9/29

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 270.976+/-0.062 χ^2/NDF : 146608.2/12

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

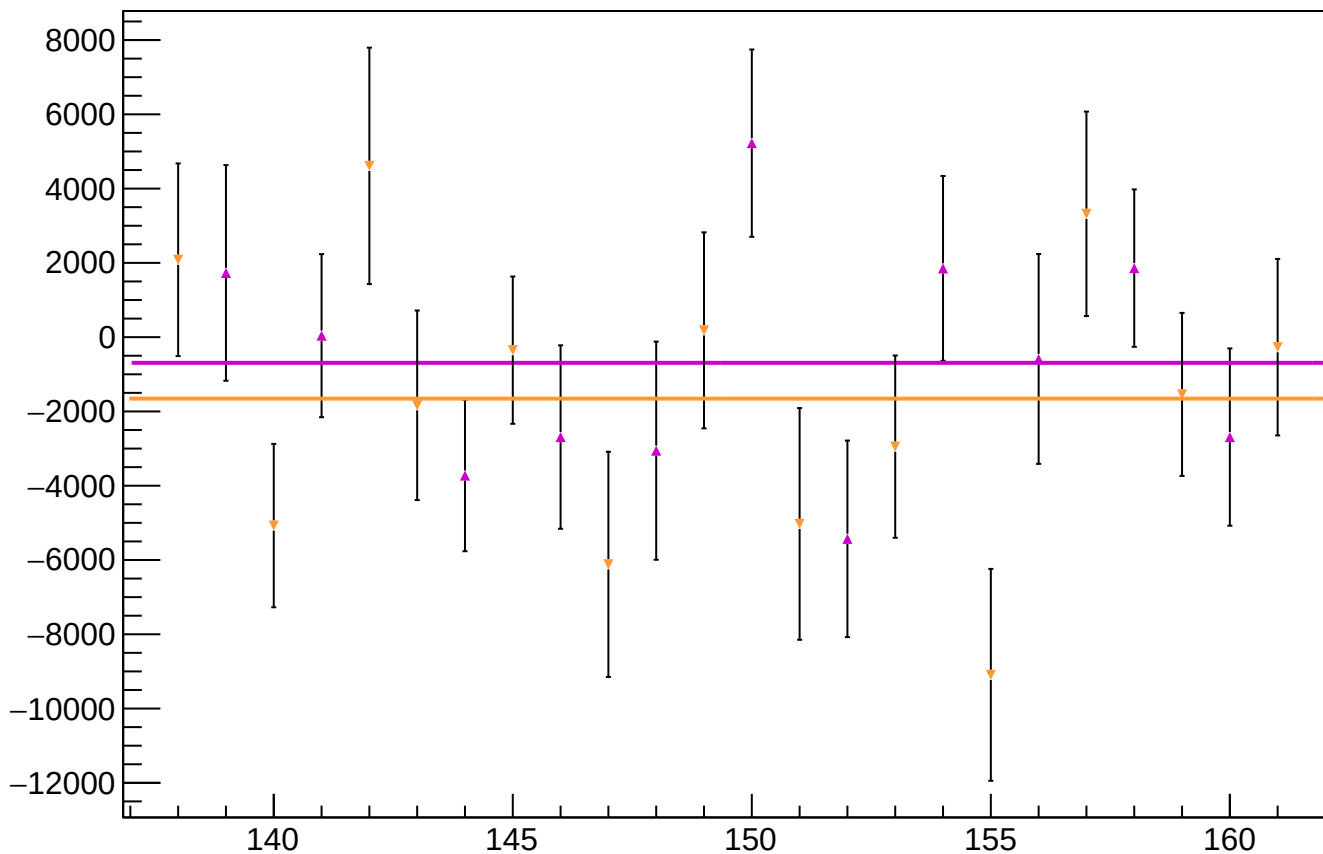
Left In: 271.947+/-0.064 χ^2/NDF : 129358.9/10

282.947+/-0.050 χ^2/NDF : 766231.7/29

284.792+/-0.036 χ^2/NDF : 1668818.5/59

286.742+/-0.051 χ^2/NDF : 899782.6/29

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1654.658+/-703.165 χ^2/NDF : 23.3/12

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

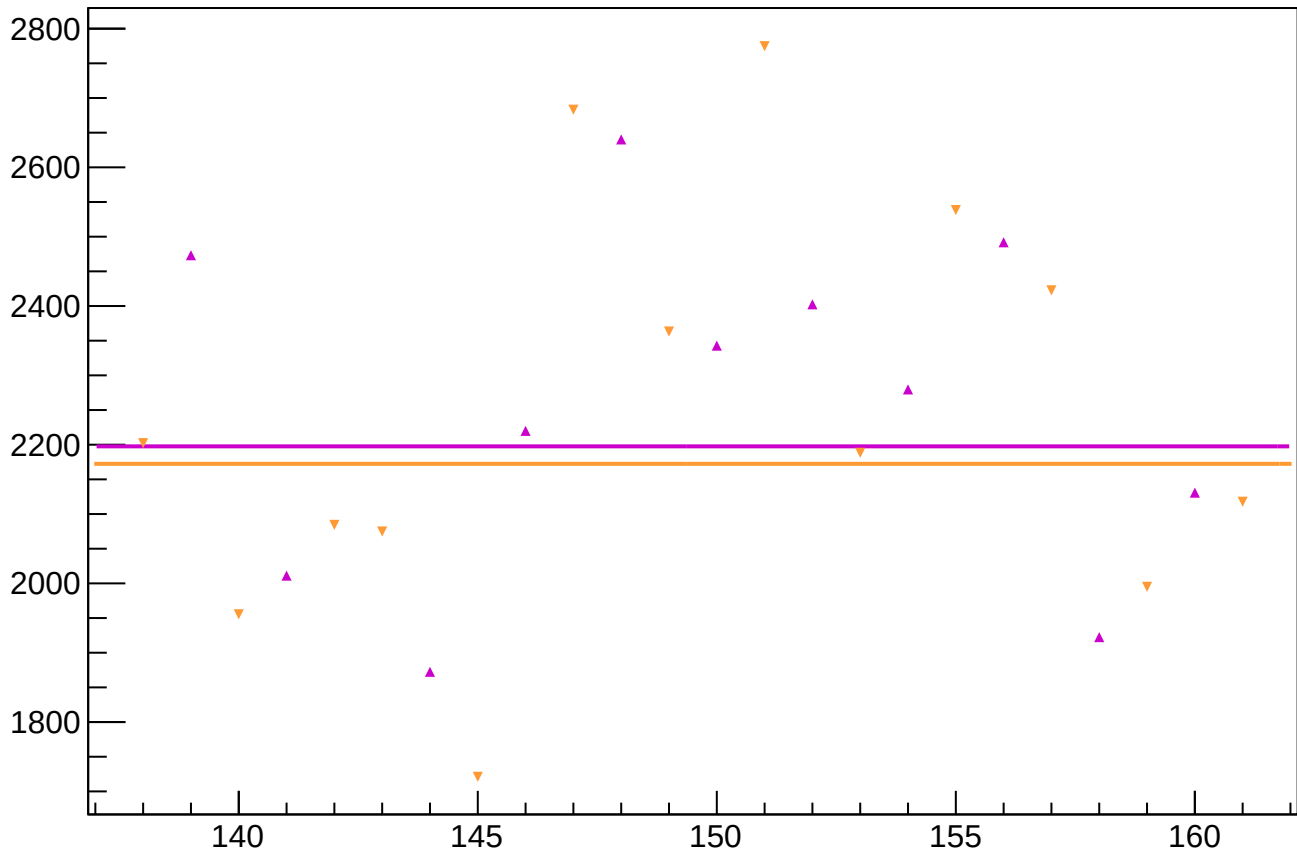
Left In: -690.843+/-738.862 χ^2/NDF : 16.2/10

-1654.658+/-703.165 χ^2/NDF : 23.3/12

-1196.595+/-509.365 χ^2/NDF : 40.4/23

-690.843+/-738.862 χ^2/NDF : 16.2/10

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2172.422+/-0.497 χ^2/NDF : 333210.9/12

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

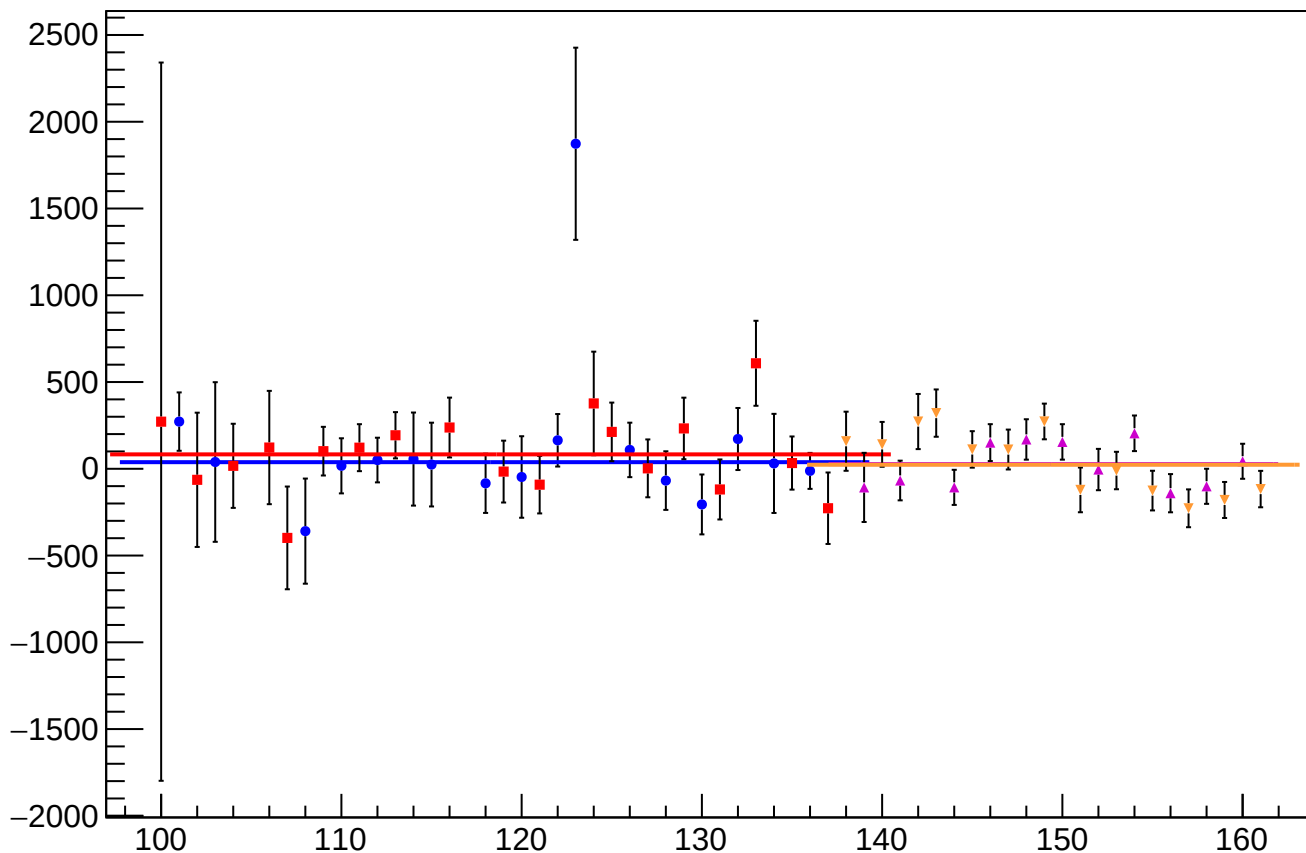
Left In: 2197.622+/-0.522 χ^2/NDF : 206738.8/10

2172.422+/-0.497 χ^2/NDF : 333210.9/12

2184.399+/-0.360 χ^2/NDF : 541170.5/23

2197.622+/-0.522 χ^2/NDF : 206738.8/10

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2/NDF : 19.4/16

Left Out: 23.419 $\pm$ 32.637 χ^2/NDF : 29.8/12

Right Out: 83.101 $\pm$ 43.098 χ^2/NDF : 16.7/18

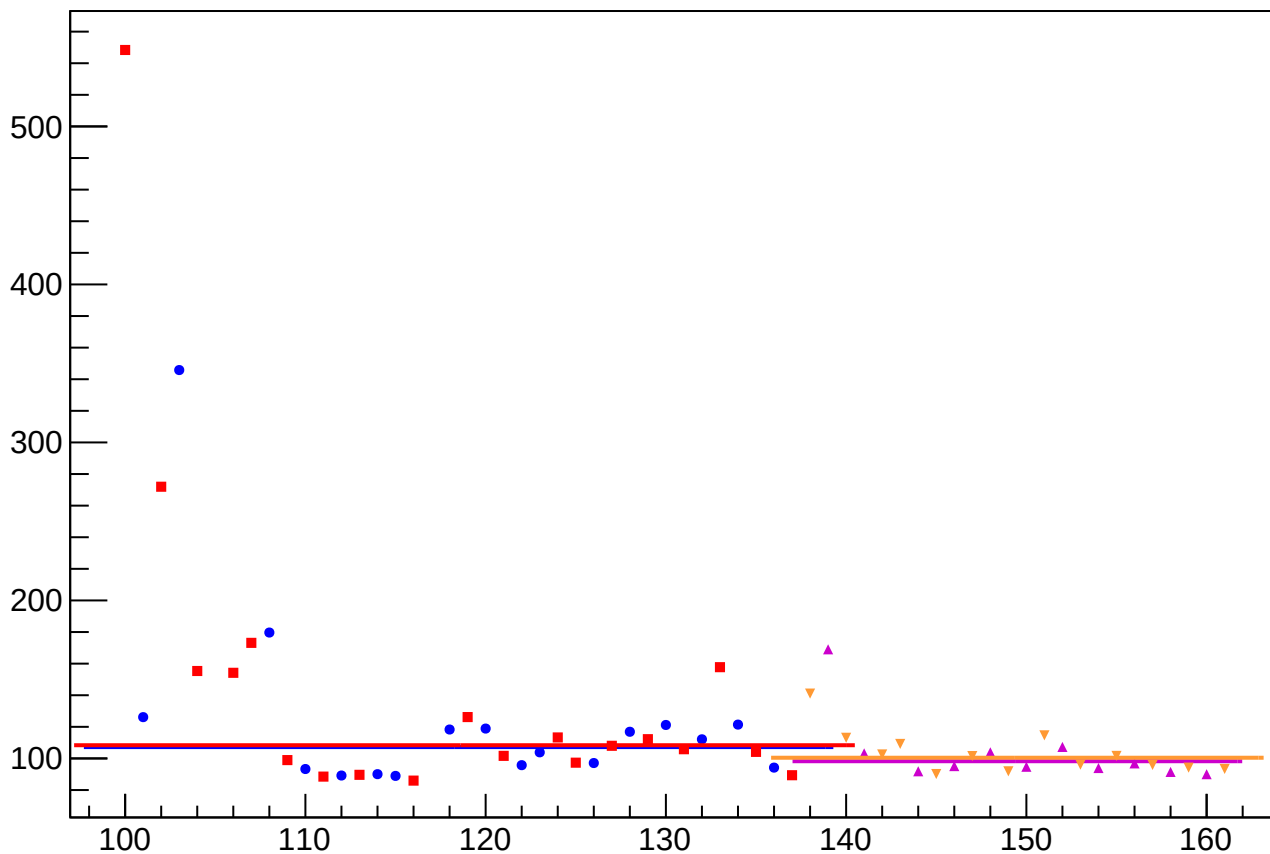
Left In: 26.858 $\pm$ 33.306 χ^2/NDF : 14.3/10

28.709 $\pm$ 26.116 χ^2/NDF : 49.3/29

38.212 $\pm$ 18.550 χ^2/NDF : 81.7/59

47.888 $\pm$ 26.354 χ^2/NDF : 32.1/29

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 ± 0.031 $\chi^2/\text{NDF}: 843115.1/16$

Left Out: 100.442 ± 0.023 $\chi^2/\text{NDF}: 222312.7/12$

Right Out: 108.359 ± 0.030 $\chi^2/\text{NDF}: 917287.7/18$

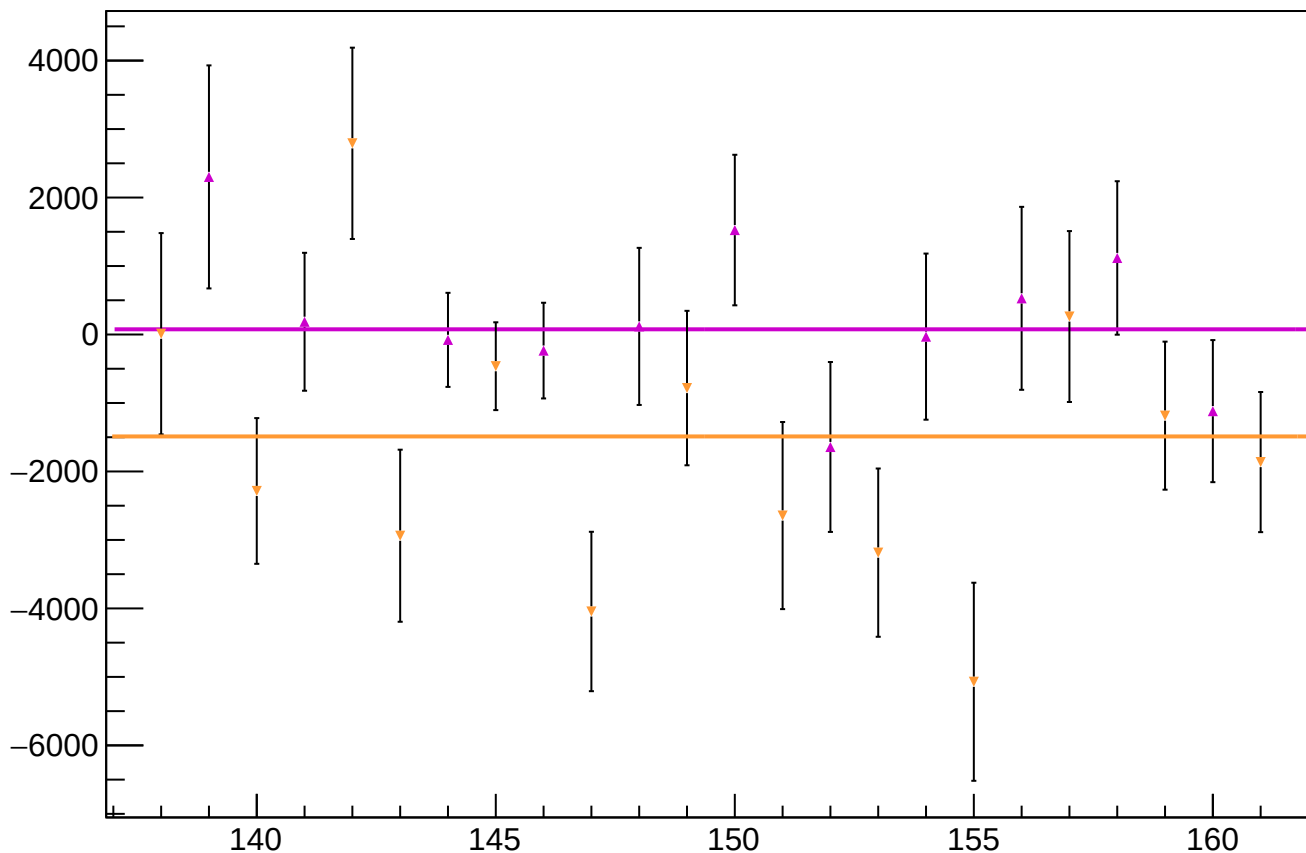
Left In: 98.234 ± 0.024 $\chi^2/\text{NDF}: 310700.8/10$

102.869 ± 0.018 $\chi^2/\text{NDF}: 1096164.5/29$

102.448 ± 0.013 $\chi^2/\text{NDF}: 2394308.7/59$

102.020 ± 0.019 $\chi^2/\text{NDF}: 1297096.6/29$

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1488.526+/-307.455 χ^2/NDF :31.0/12

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

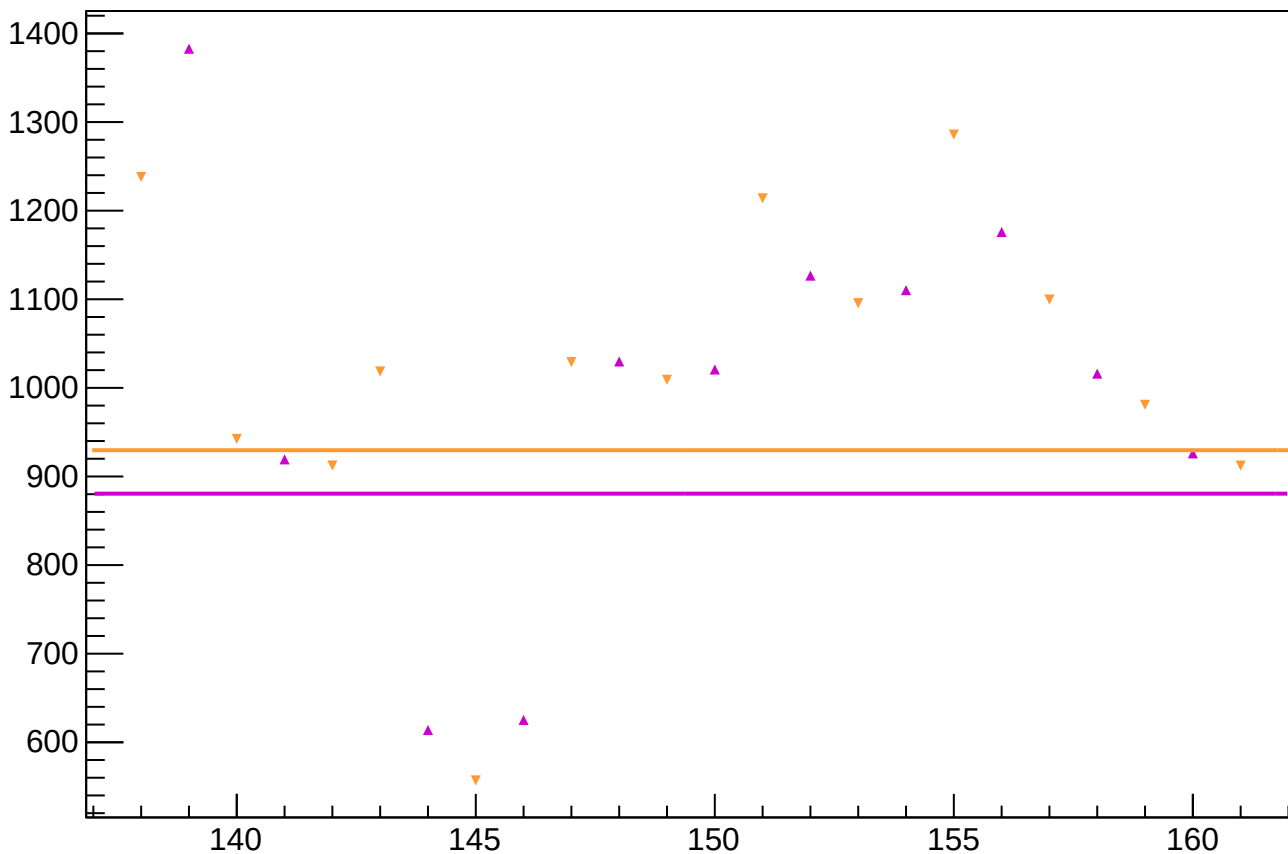
Left In: 75.876+/-305.225 χ^2/NDF :8.1/10

-1488.526+/-307.455 χ^2/NDF : 31.0/12

-700.630+/-216.611 χ^2/NDF : 52.2/23

75.876+/-305.225 χ^2/NDF : 8.1/10

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 929.622+/-0.217 χ^2/NDF :1085478.7/12

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

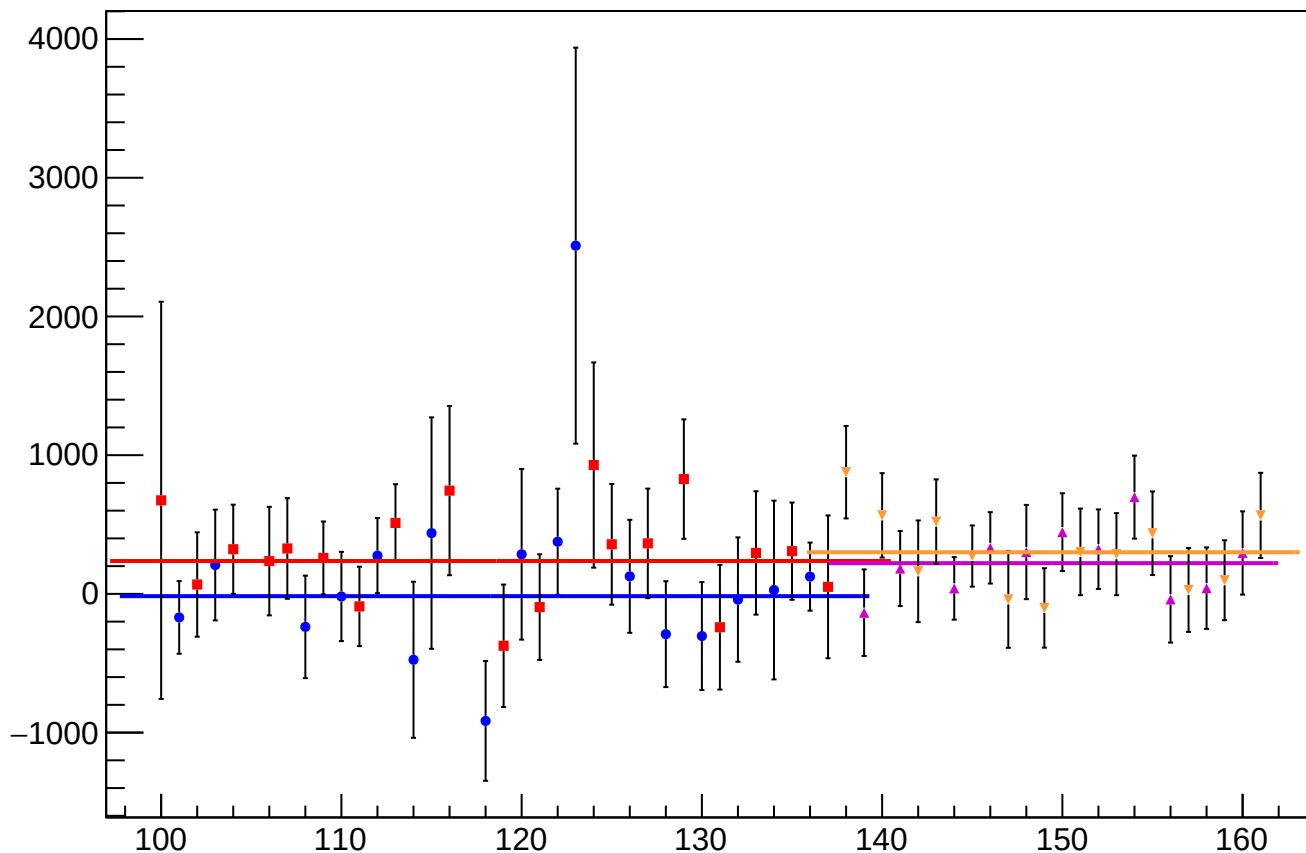
Left In: 880.624+/-0.216 χ^2/NDF :1109492.0/10

929.622+/-0.217 χ^2/NDF : 1085478.7/12

904.945+/-0.153 χ^2/NDF : 2220553.5/23

880.624+/-0.216 χ^2/NDF : 1109492.0/10

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 300.061 ± 82.965 χ^2/NDF : 9.6/12

Right Out: 236.984 ± 88.937 χ^2/NDF : 10.3/18

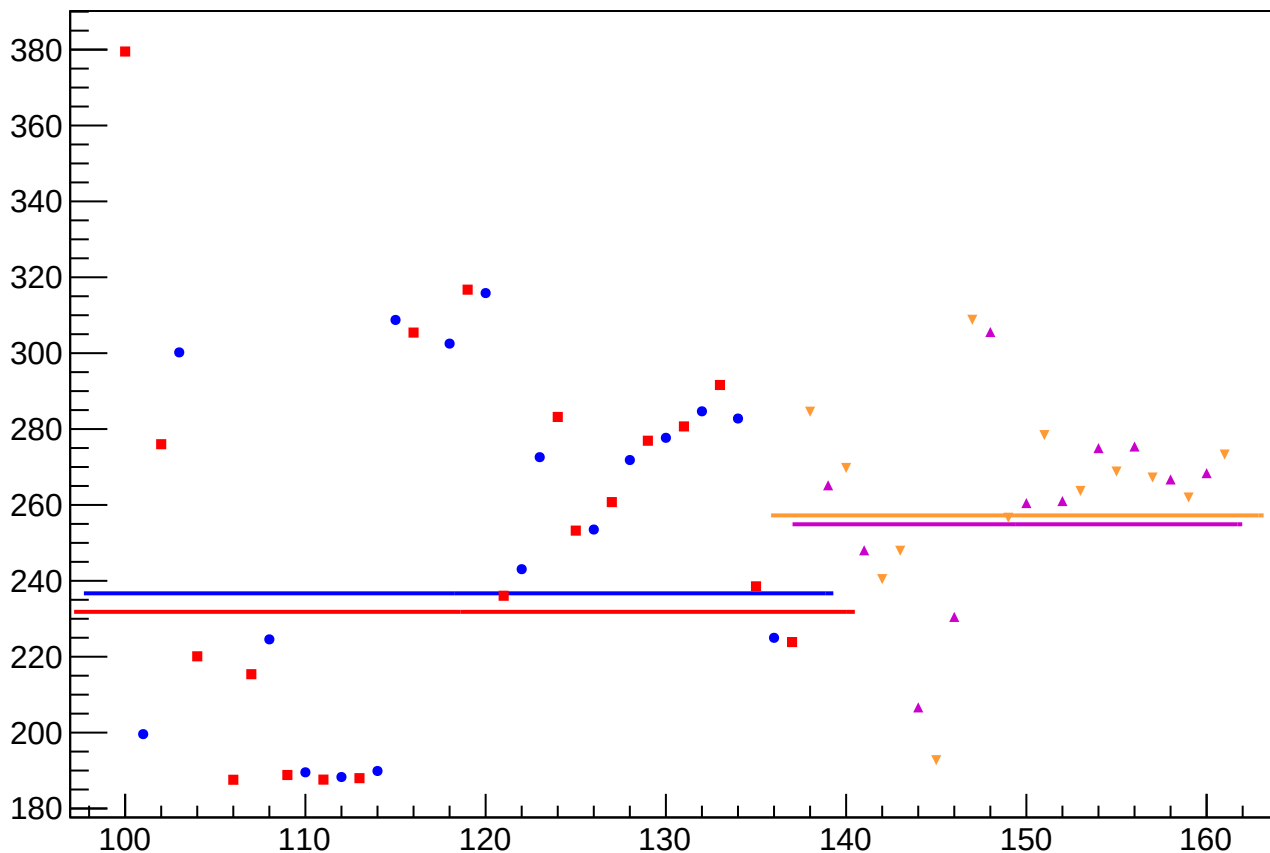
Left In: 221.519 ± 85.621 χ^2/NDF : 6.6/10

160.269 ± 61.994 χ^2/NDF : 29.5/29

194.786 ± 43.726 χ^2/NDF : 47.1/59

228.958 ± 61.682 χ^2/NDF : 17.0/29

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 ± 0.066 χ^2/NDF : 390344.9/16

Left Out: 257.241 ± 0.059 χ^2/NDF : 258838.4/12

Right Out: 231.828 ± 0.063 χ^2/NDF : 443276.3/18

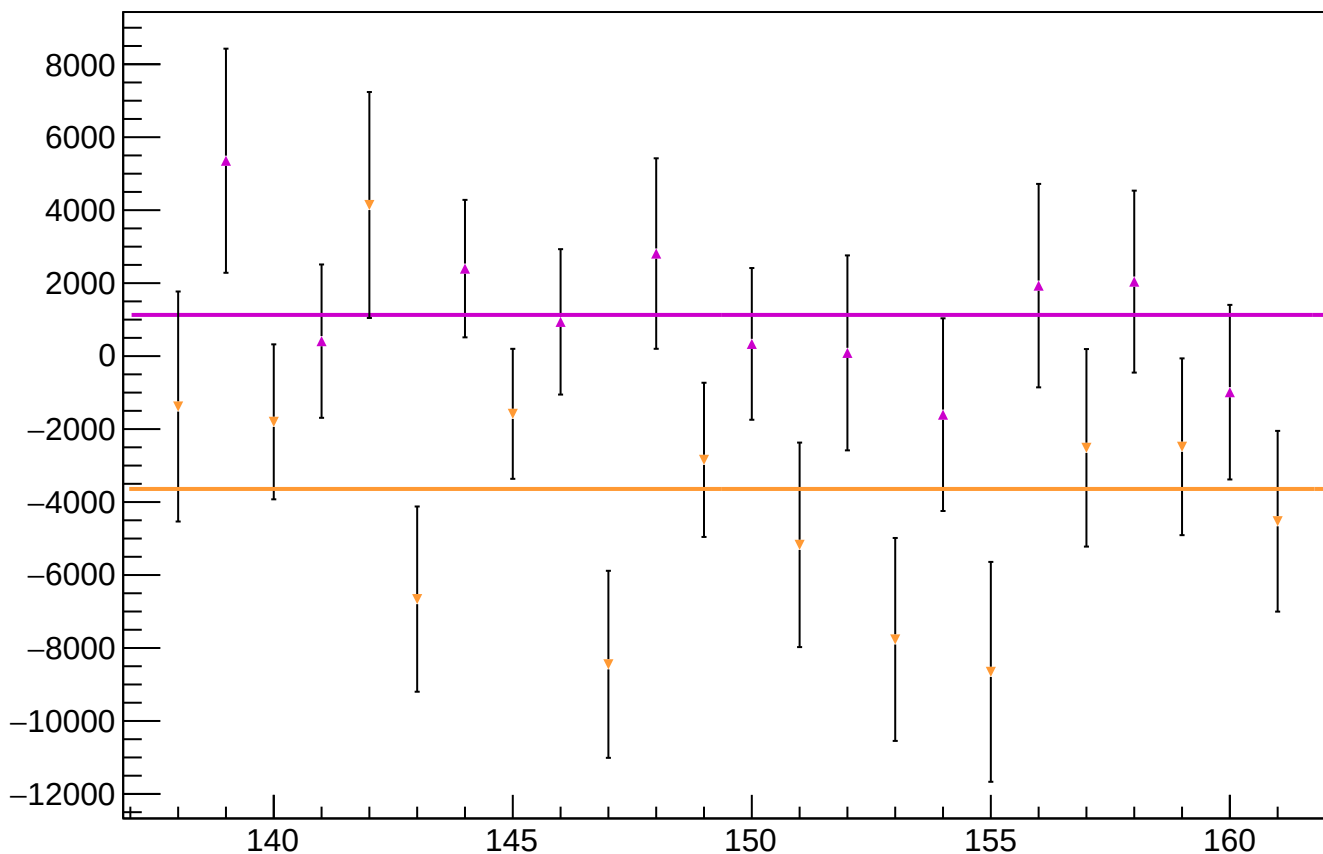
Left In: 254.903 ± 0.061 χ^2/NDF : 184152.6/10

248.172 ± 0.044 χ^2/NDF : 703294.1/29

245.977 ± 0.031 χ^2/NDF : 1405581.6/59

243.804 ± 0.044 χ^2/NDF : 697298.3/29

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3640.718+/-688.492 χ^2/NDF :19.8/12

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

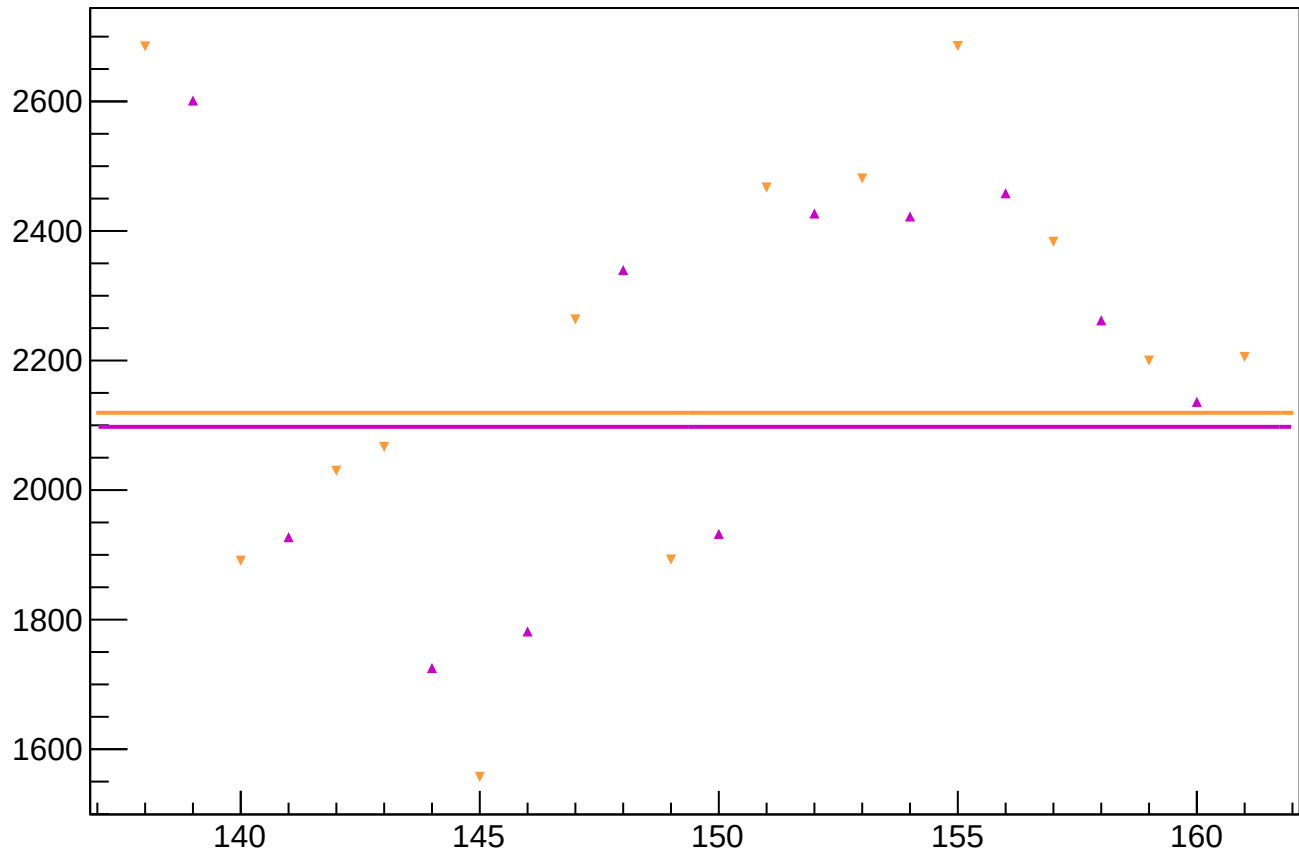
Left In: 1129.162+/-708.568 χ^2/NDF :5.3/10

-3640.718+/-688.492 χ^2/NDF : 19.8/12

-1324.307+/-493.782 χ^2/NDF : 48.4/23

1129.162+/-708.568 χ^2/NDF : 5.3/10

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2119.337+/-0.487 χ^2/NDF : 477368.3/12

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

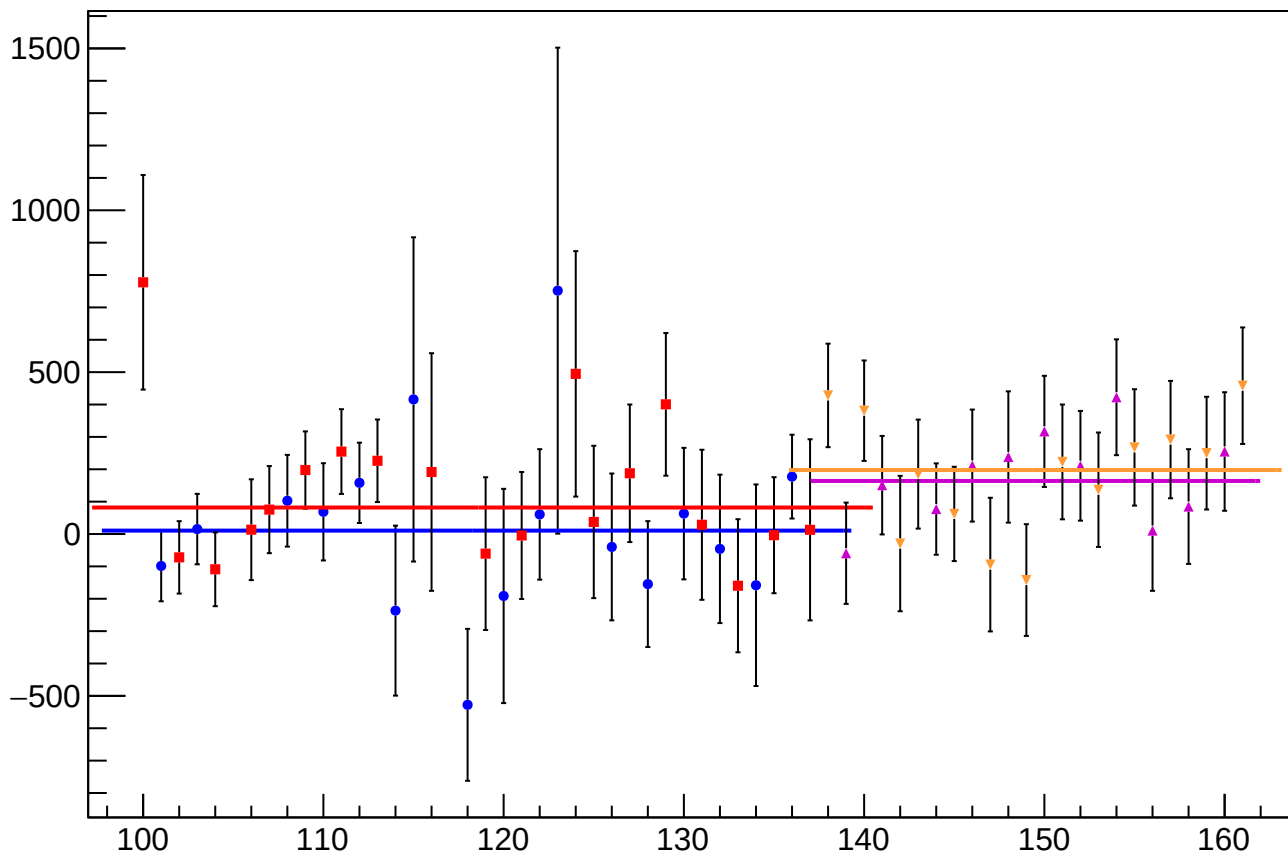
Left In: 2097.642+/-0.501 χ^2/NDF : 328429.1/10

2119.337+/-0.487 χ^2/NDF : 477368.3/12

2108.801+/-0.349 χ^2/NDF : 806761.7/23

2097.642+/-0.501 χ^2/NDF : 328429.1/10

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 +/- 42.294 χ^2/NDF : 14.1/16

Left Out: 197.602 +/- 48.110 χ^2/NDF : 14.1/12

Right Out: 81.802 +/- 38.985 χ^2/NDF : 19.2/18

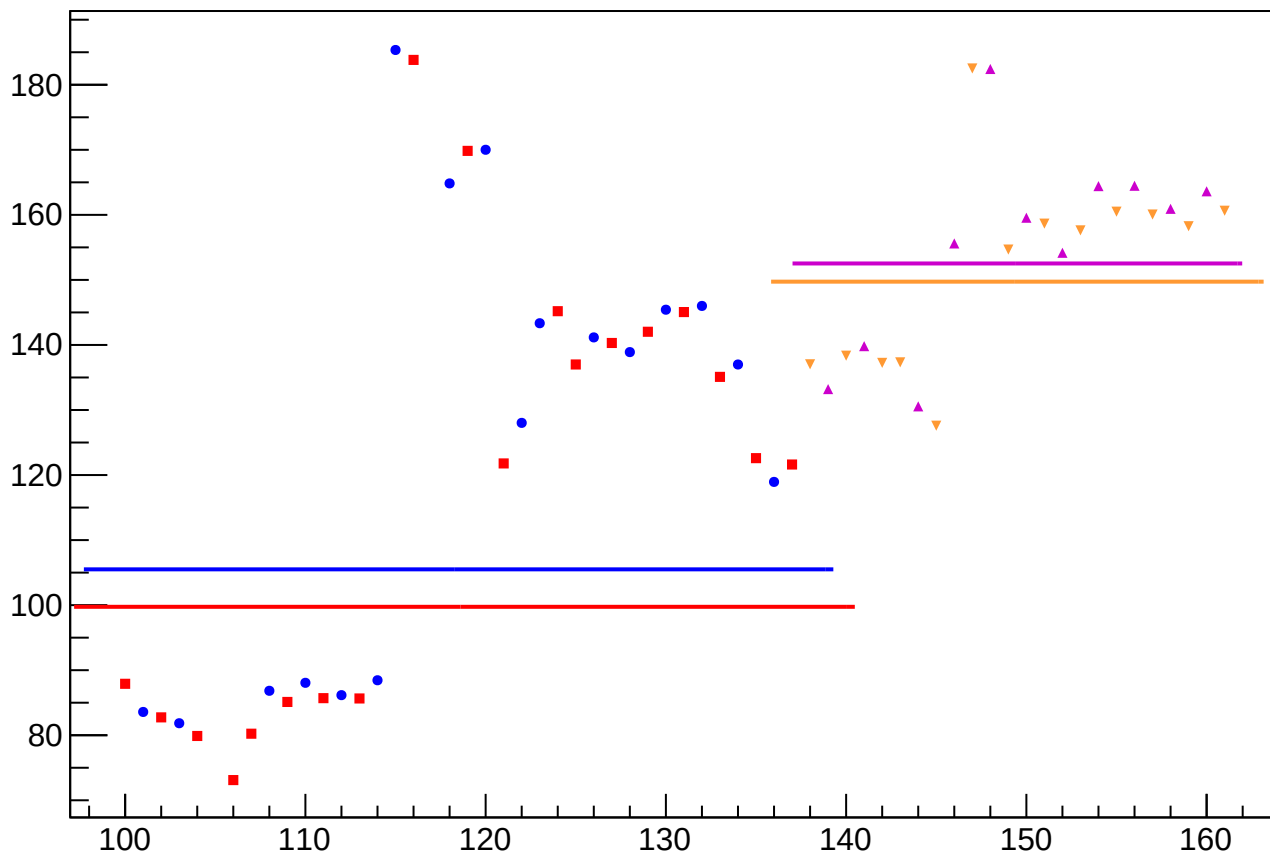
Left In: 163.952 +/- 51.127 χ^2/NDF : 6.7/10

92.080 +/- 31.765 χ^2/NDF : 36.7/29

102.285 +/- 22.186 χ^2/NDF : 64.5/59

112.005 +/- 31.001 χ^2/NDF : 27.6/29

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503±/0.030 χ^2/NDF : 869022.6/16

Left Out: 149.732±/0.034 χ^2/NDF : 174474.3/12

Right Out: 99.744±/0.028 χ^2/NDF : 1000097.3/18

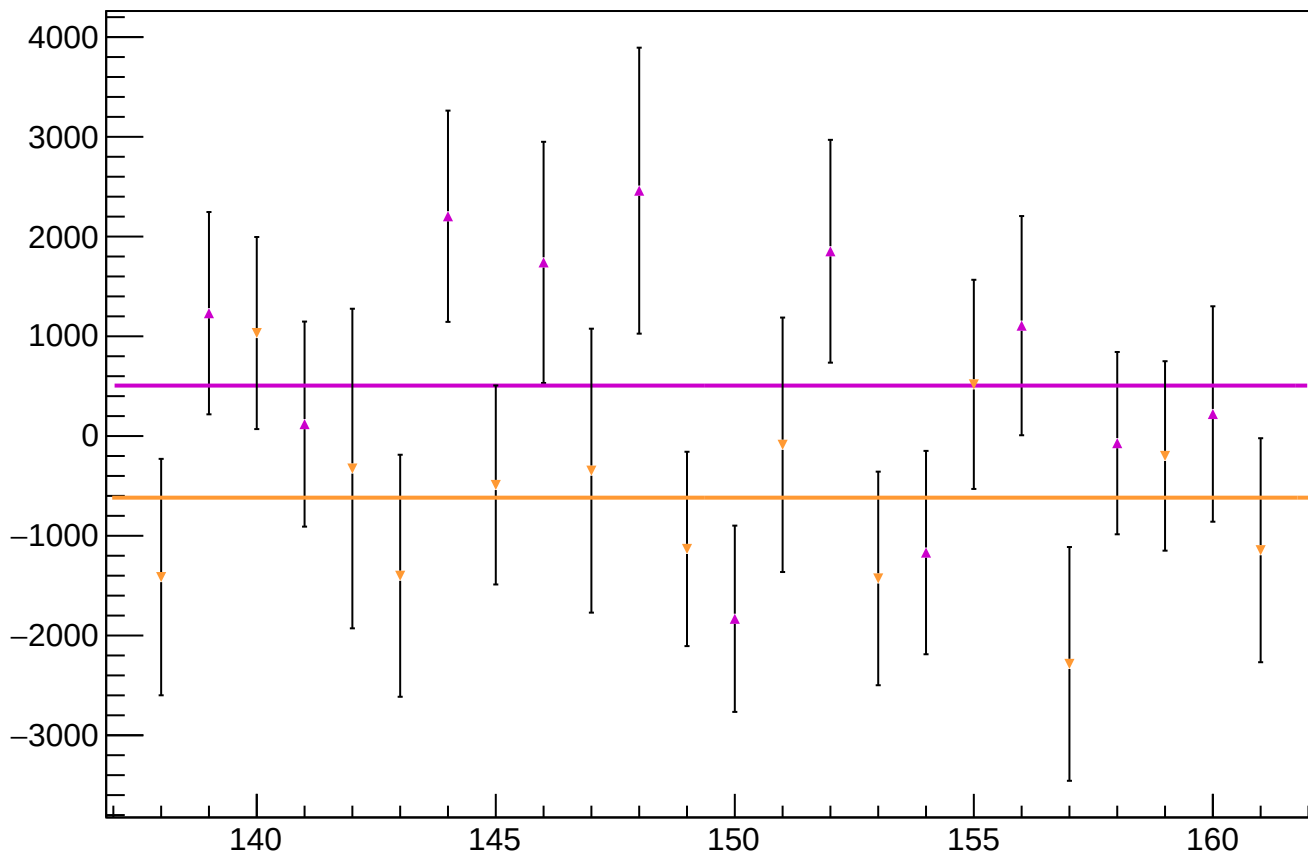
Left In: 152.528±/0.036 χ^2/NDF : 169479.2/10

124.783±/0.022 χ^2/NDF : 1996949.7/29

121.898±/0.016 χ^2/NDF : 4546713.2/59

119.150±/0.022 χ^2/NDF : 2517548.8/29

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -617.819+/-309.534 χ^2/NDF : 8.5/12

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

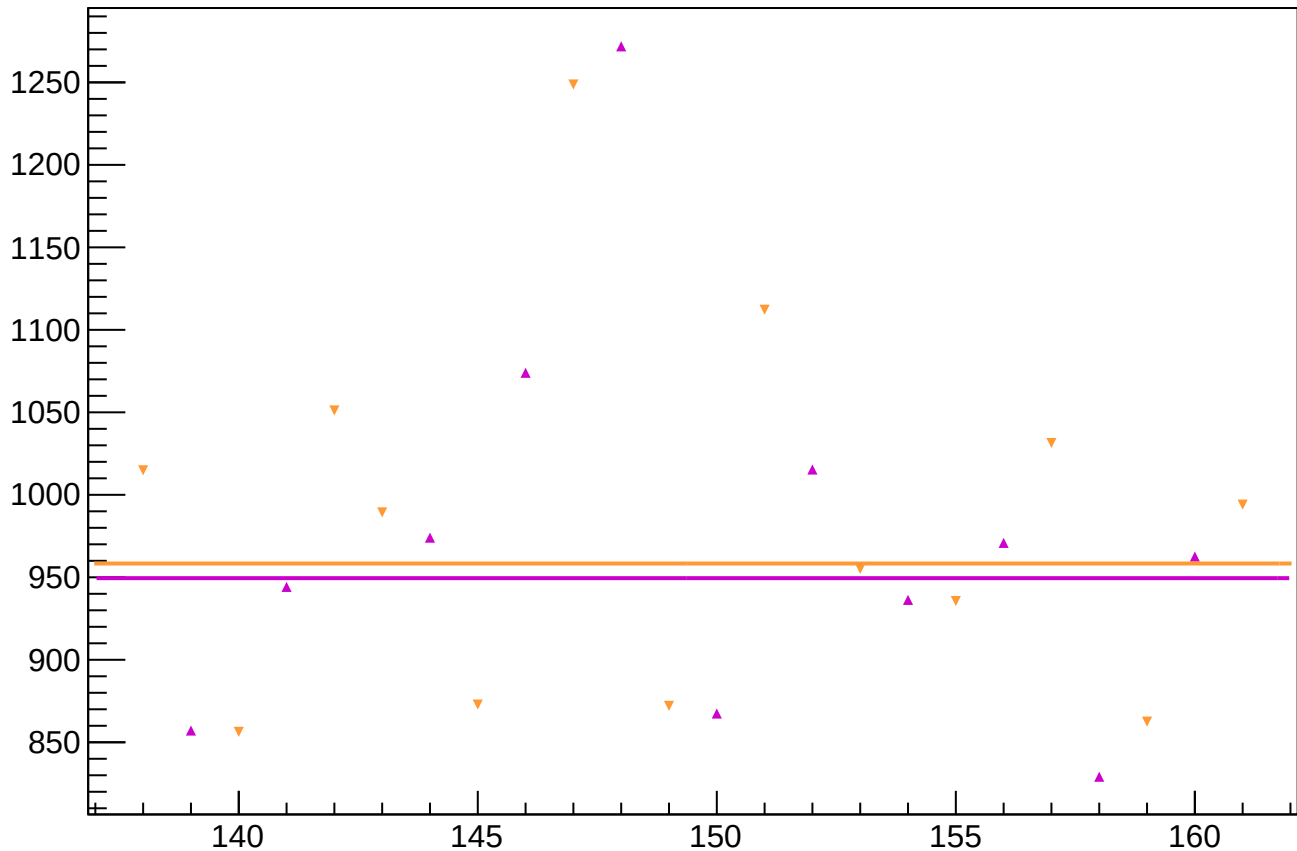
Left In: 505.936+/-319.870 χ^2/NDF : 17.3/10

-617.819+/-309.534 χ^2/NDF : 8.5/12

-74.392+/-222.438 χ^2/NDF : 32.2/23

505.936+/-319.870 χ^2/NDF : 17.3/10

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 958.364+/-0.219 χ^2/NDF : 208821.9/12

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

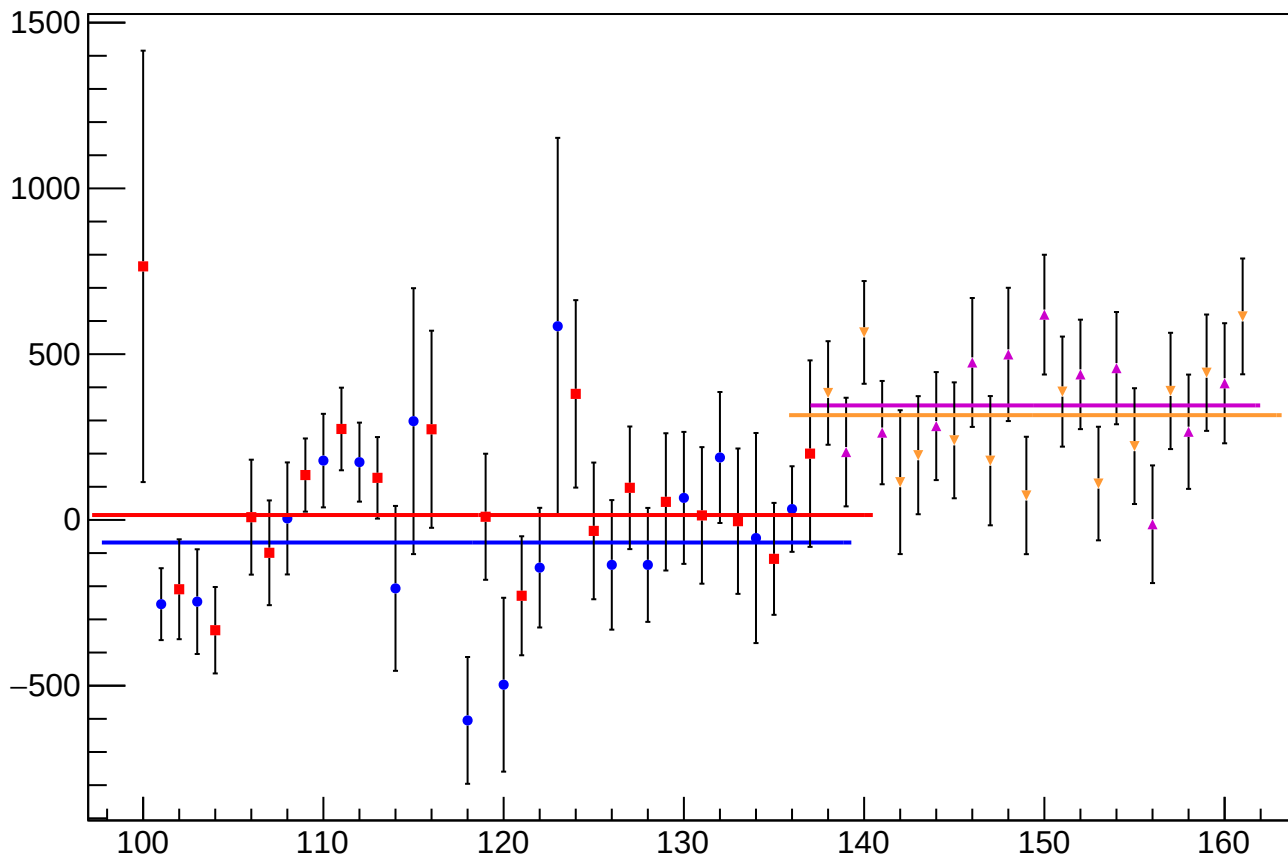
Left In: 949.479+/-0.226 χ^2/NDF : 198506.0/10

958.364+/-0.219 χ^2/NDF : 208821.9/12

954.067+/-0.157 χ^2/NDF : 408124.7/23

949.479+/-0.226 χ^2/NDF : 198506.0/10

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 $\pm$ 42.265 χ^2/NDF : 27.8/16

Left Out: 316.032 $\pm$ 48.380 χ^2/NDF :12.2/12

Right Out: 14.800 $\pm$ 39.467 χ^2/NDF : 23.1/18

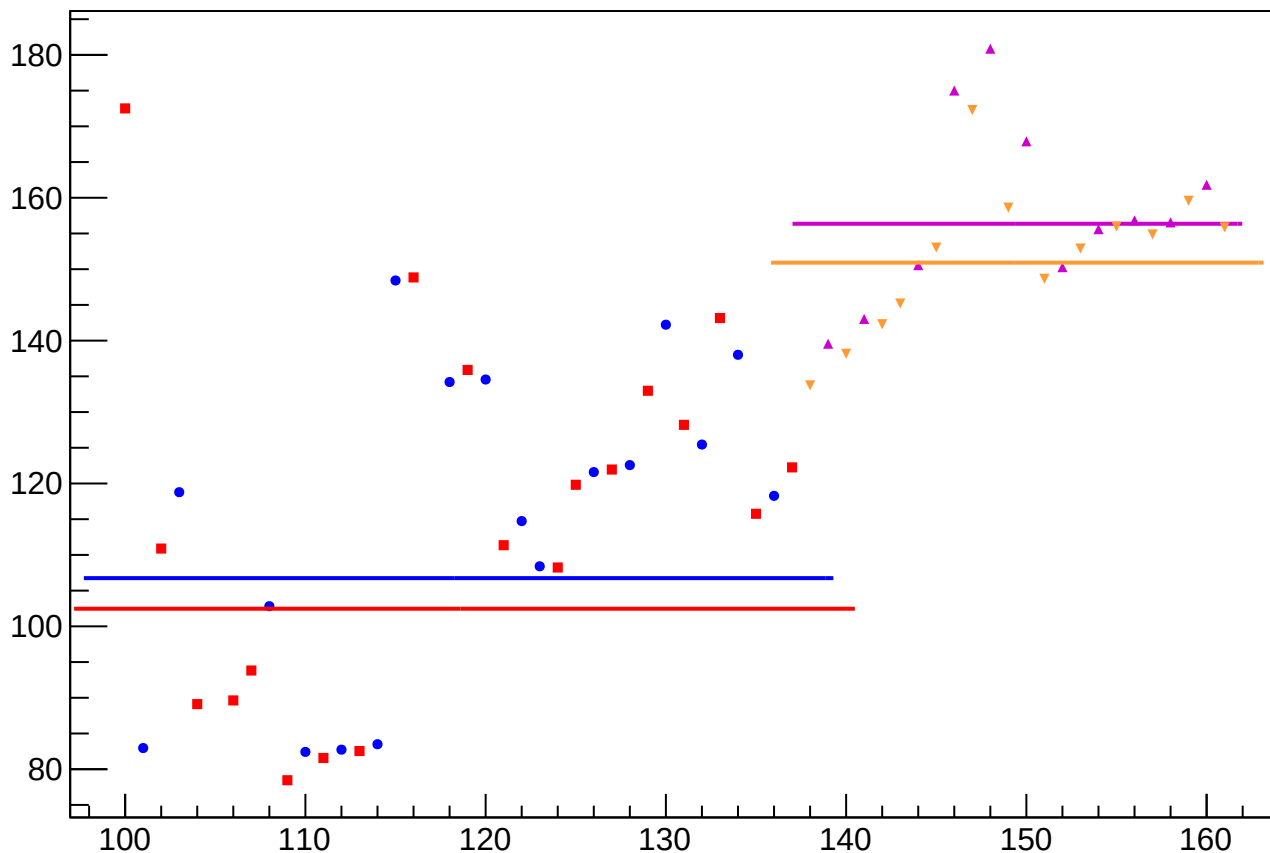
Left In: 345.403 $\pm$ 52.309 χ^2/NDF :9.7/10

98.165 $\pm$ 31.830 χ^2/NDF : 75.8/29

116.633 $\pm$ 22.391 χ^2/NDF : 134.7/59

134.727 $\pm$ 31.505 χ^2/NDF : 58.3/29

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 150.919 $\pm$ 0.034 χ^2 /NDF: 80872.9/12

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

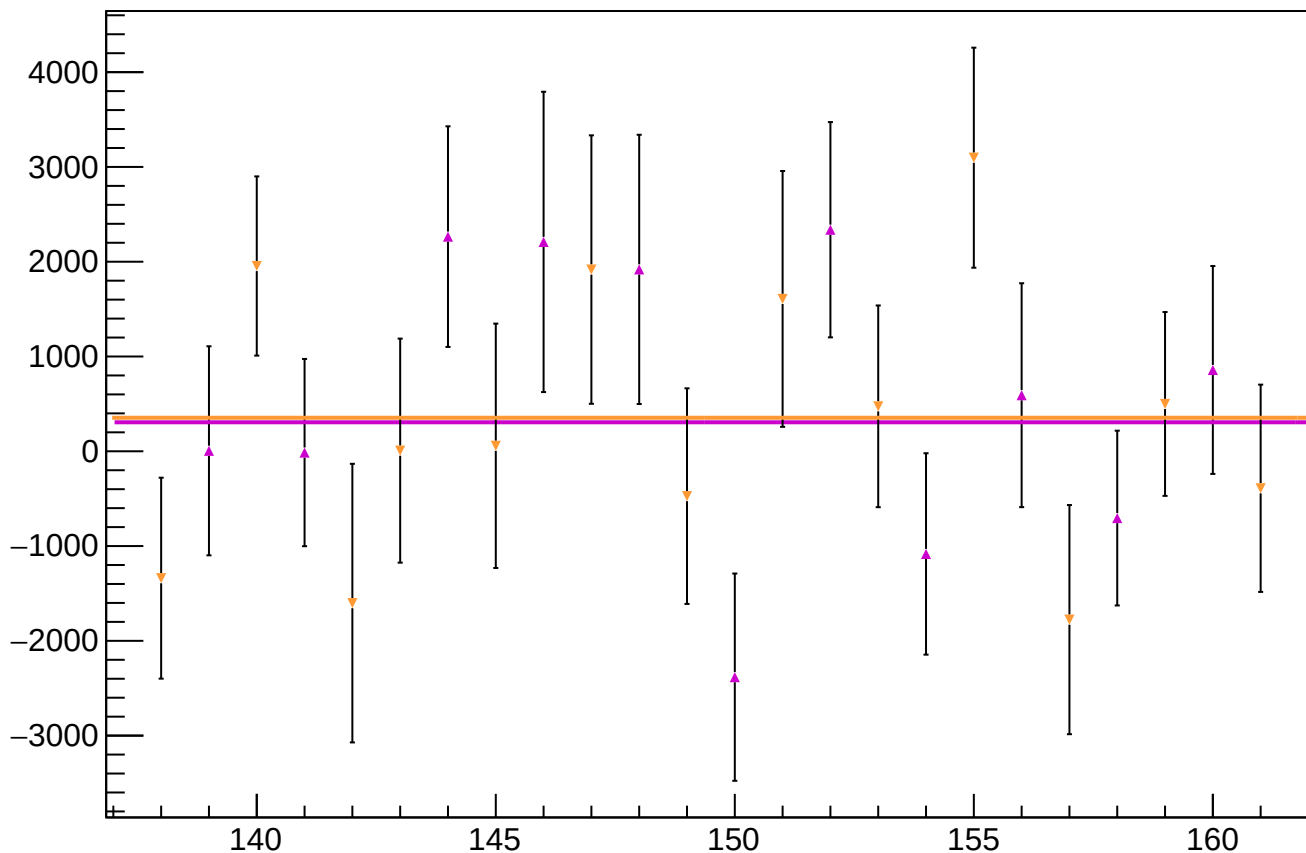
Left In: 156.361 $\pm$ 0.037 χ^2 /NDF: 99058.2/10

125.868 $\pm$ 0.023 χ^2 /NDF: 1528063.9/29

123.923 $\pm$ 0.016 χ^2 /NDF: 3584133.5/59

122.017 $\pm$ 0.022 χ^2 /NDF: 2041282.2/29

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 353.709+/-319.136 χ^2/NDF : 19.1/12

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

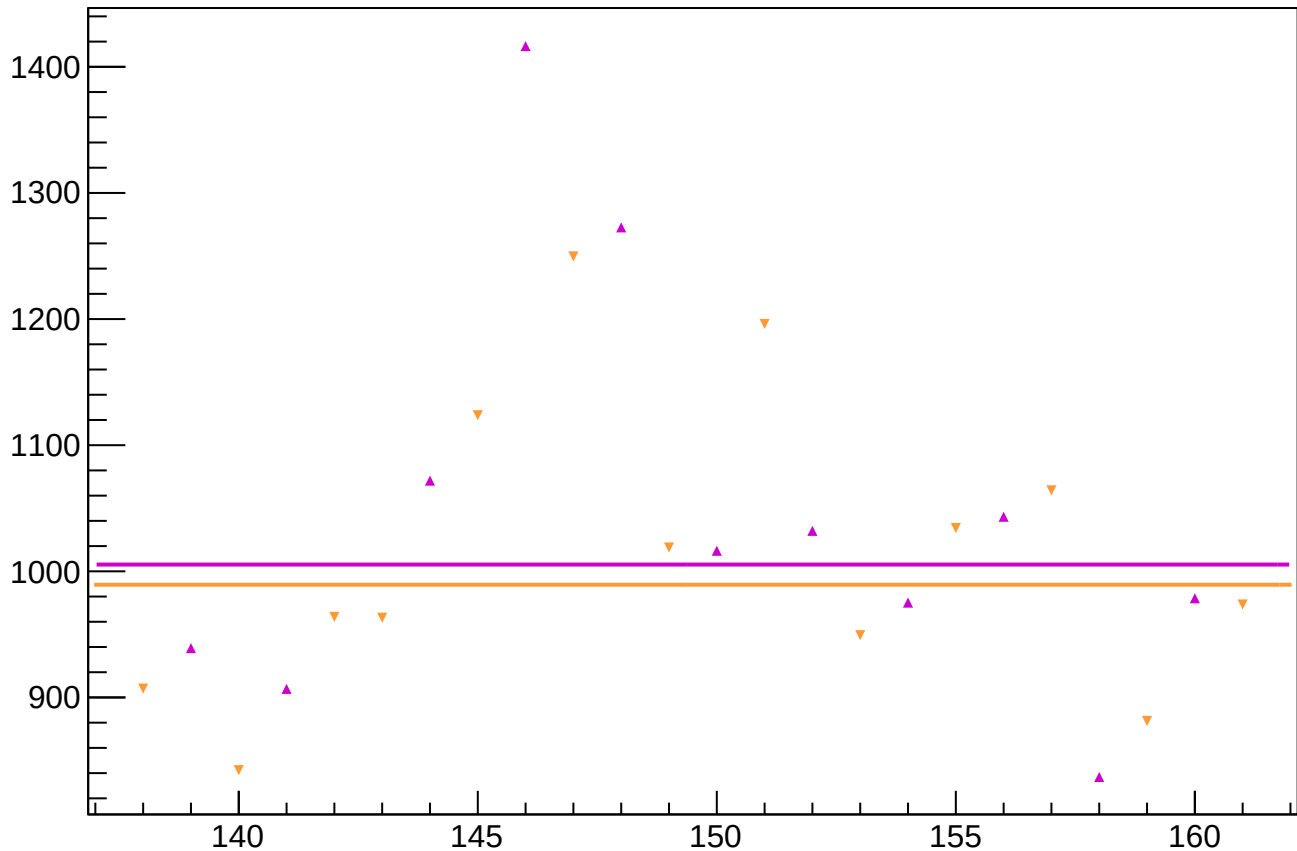
Left In: 305.842+/-339.019 χ^2/NDF : 18.2/10

353.709+/-319.136 χ^2/NDF : 19.1/12

331.220+/-232.374 χ^2/NDF : 37.4/23

305.842+/-339.019 χ^2/NDF : 18.2/10

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 989.372+/-0.226 χ^2/NDF : 238307.7/12

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

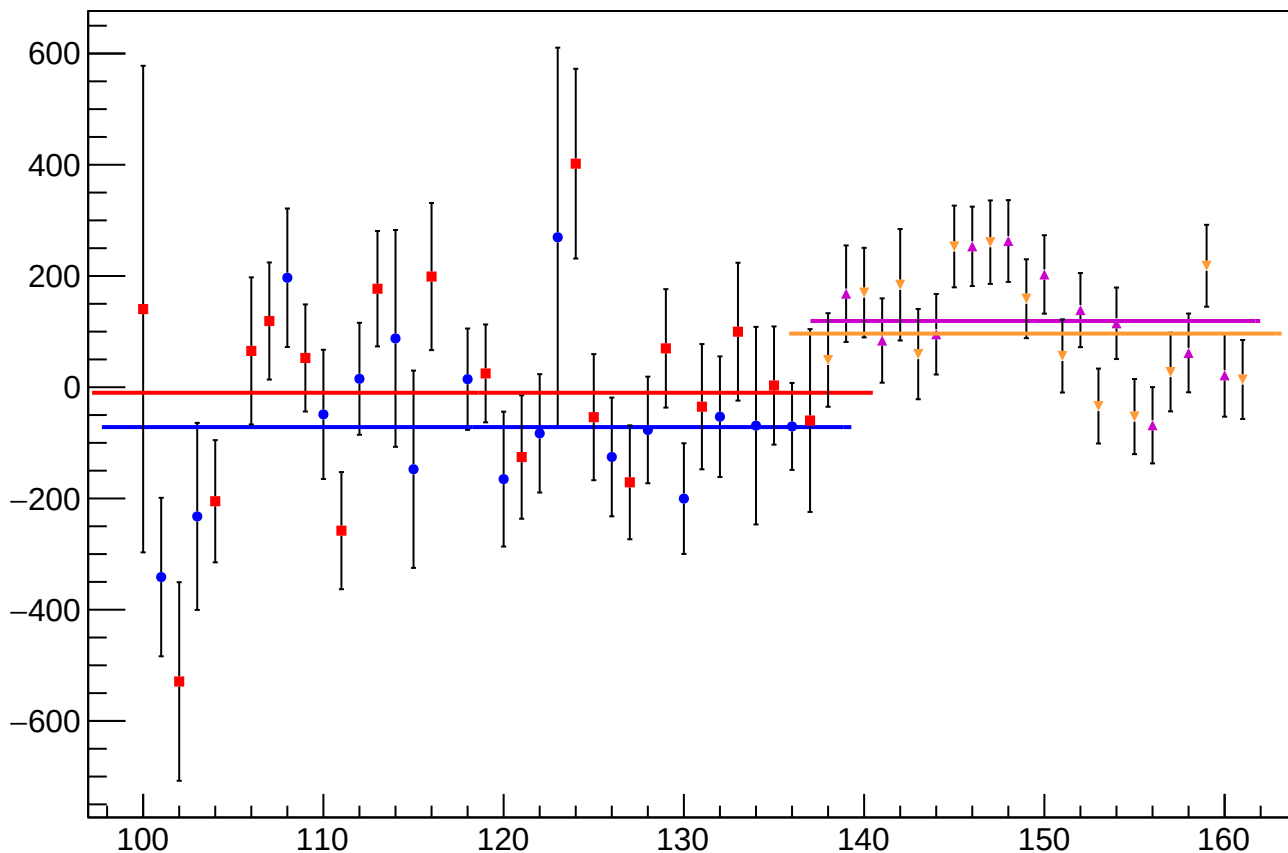
Left In: 1005.362+/-0.240 χ^2/NDF : 312056.6/10

989.372+/-0.226 χ^2/NDF : 238307.7/12

996.884+/-0.164 χ^2/NDF : 552723.3/23

1005.362+/-0.240 χ^2/NDF : 312056.6/10

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 96.470 ± 20.576 $\chi^2/\text{NDF}: 26.3/12$

Right Out: -9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

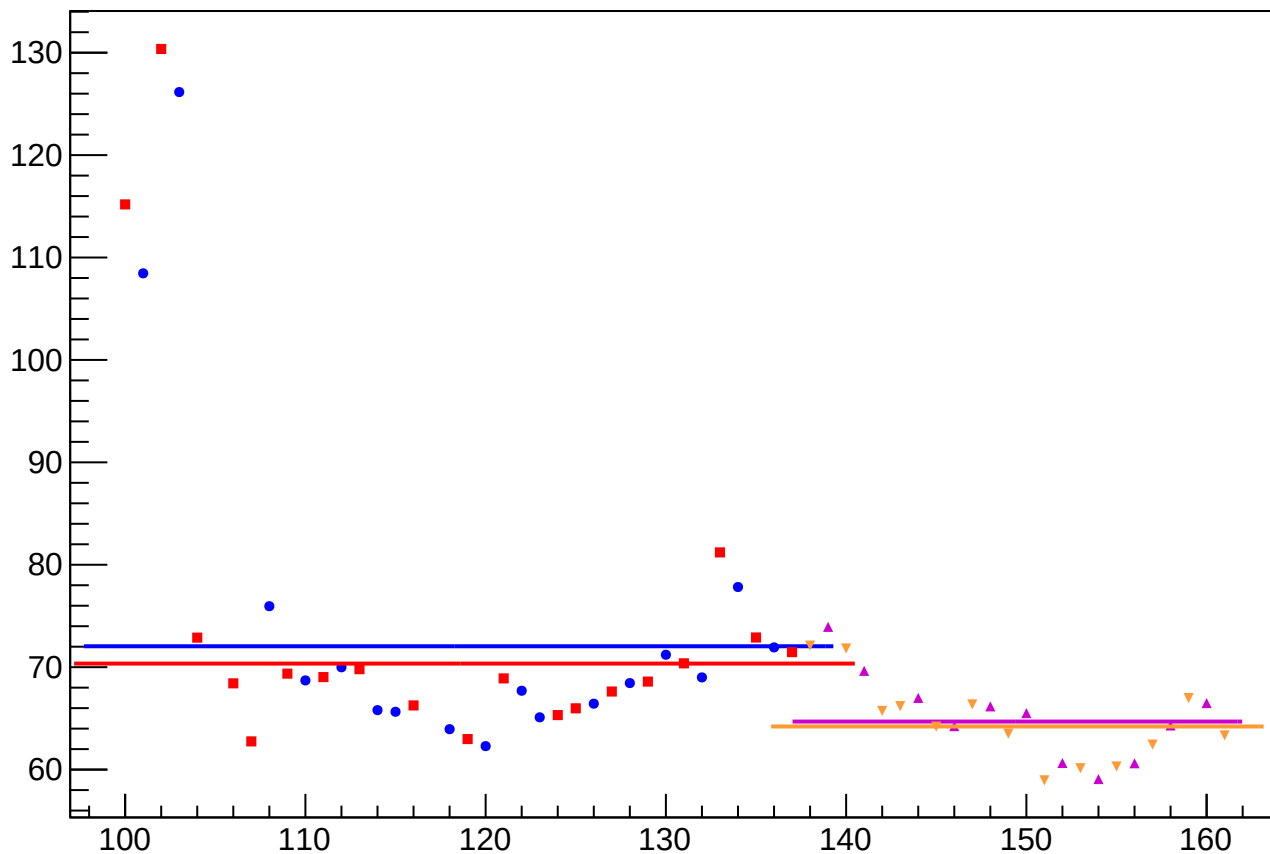
Left In: 119.140 ± 21.618 $\chi^2/\text{NDF}: 19.4/10$

38.479 ± 16.654 $\chi^2/\text{NDF}: 64.6/29$

53.235 ± 11.838 $\chi^2/\text{NDF}: 136.0/59$

68.304 ± 16.830 $\chi^2/\text{NDF}: 69.9/29$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 64.208 $\pm$ 0.015 χ^2 /NDF: 70176.9/12

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

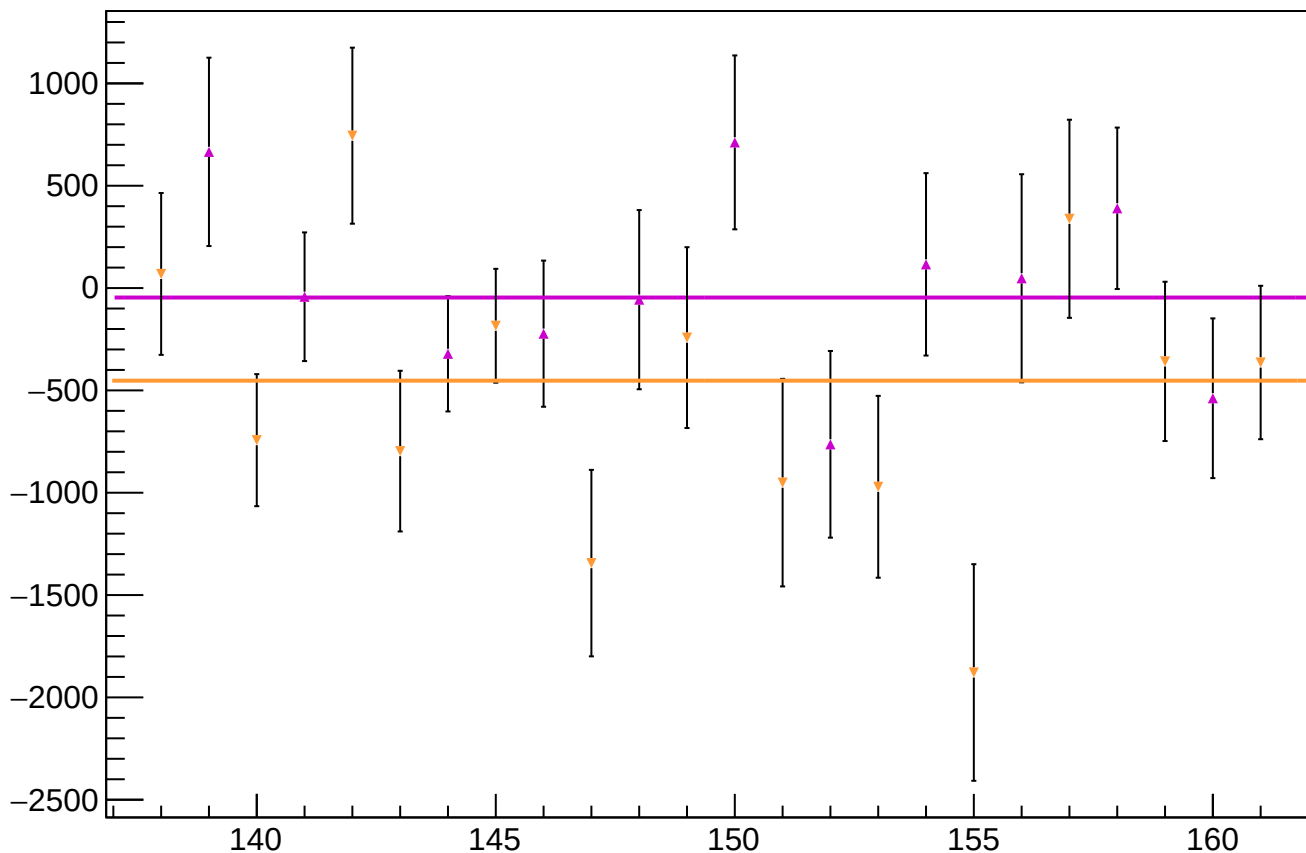
Left In: 64.689 $\pm$ 0.015 χ^2 /NDF: 65350.3/10

66.910 $\pm$ 0.012 χ^2 /NDF: 562134.0/29

66.915 $\pm$ 0.008 χ^2 /NDF: 980526.9/59

66.919 $\pm$ 0.012 χ^2 /NDF: 418392.7/29

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -452.461+/-110.918 χ^2/NDF : 28.4/12

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

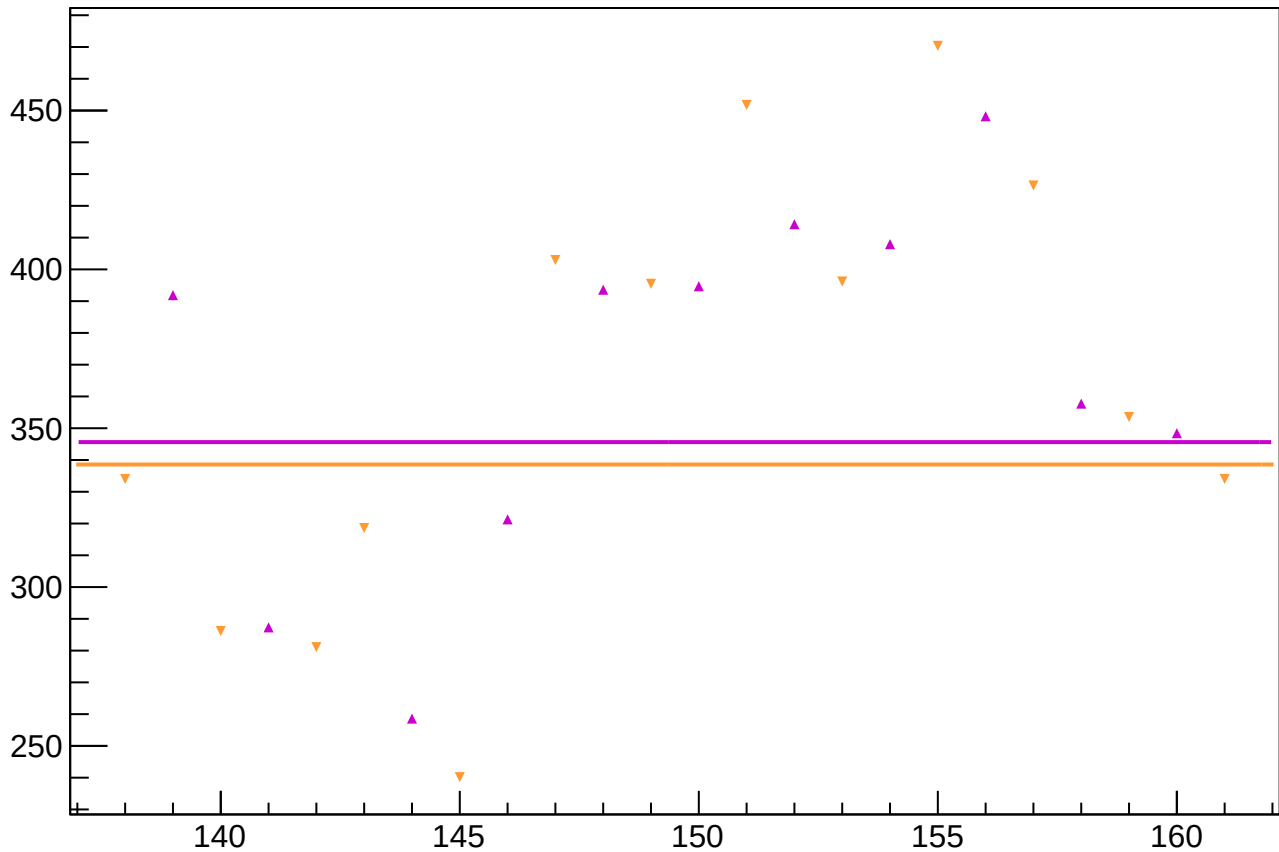
Left In: -46.267+/-117.241 χ^2/NDF : 12.2/10

-452.461+/-110.918 χ^2/NDF : 28.4/12

-260.611+/-80.573 χ^2/NDF : 47.0/23

-46.267+/-117.241 χ^2/NDF : 12.2/10

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 338.577+/-0.078 χ^2/NDF : 743832.4/12

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

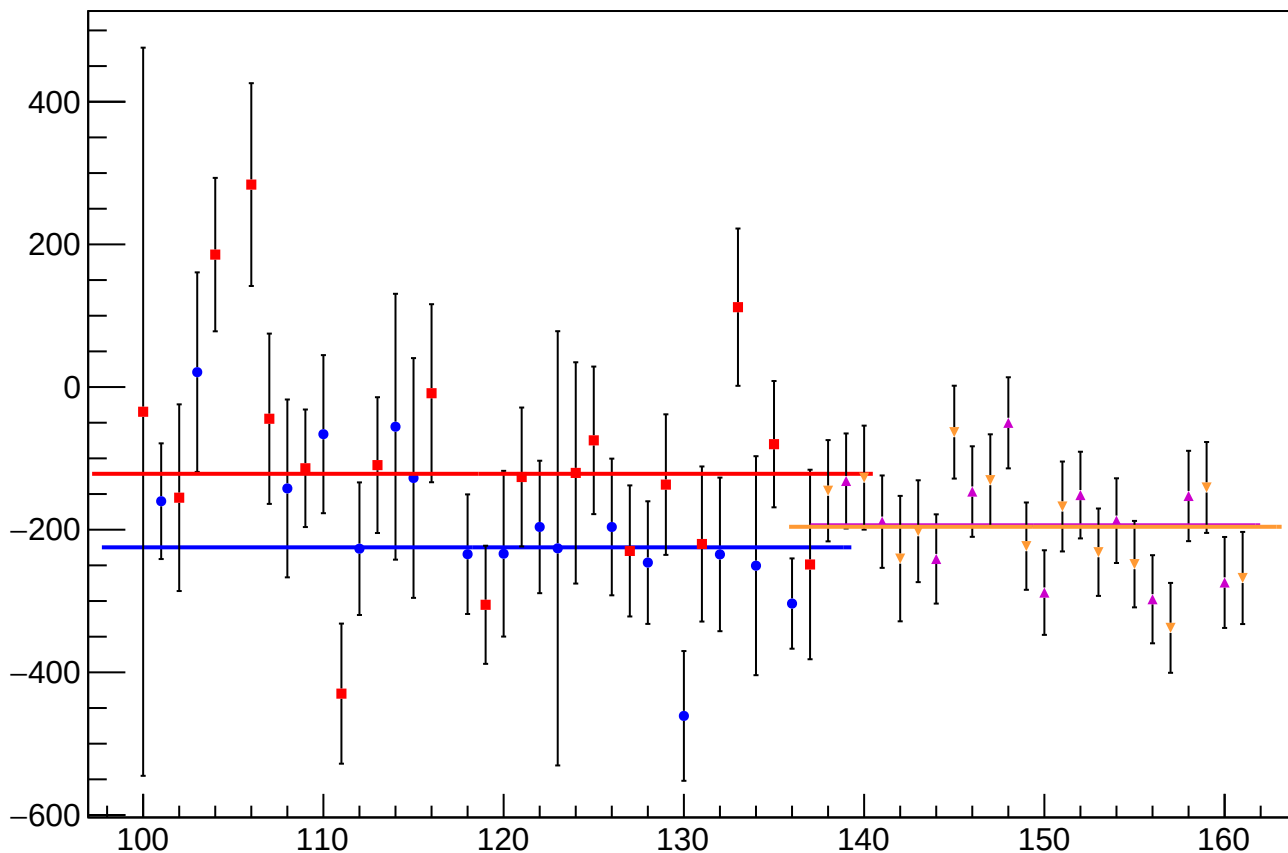
Left In: 345.630+/-0.083 χ^2/NDF : 507632.5/10

338.577+/-0.078 χ^2/NDF : 743832.4/12

341.908+/-0.057 χ^2/NDF : 1255285.2/23

345.630+/-0.083 χ^2/NDF : 507632.5/10

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -195.917 ± 18.303 $\chi^2/\text{NDF}: 15.4/12$

Right Out: -121.633 ± 24.599 $\chi^2/\text{NDF}: 40.5/18$

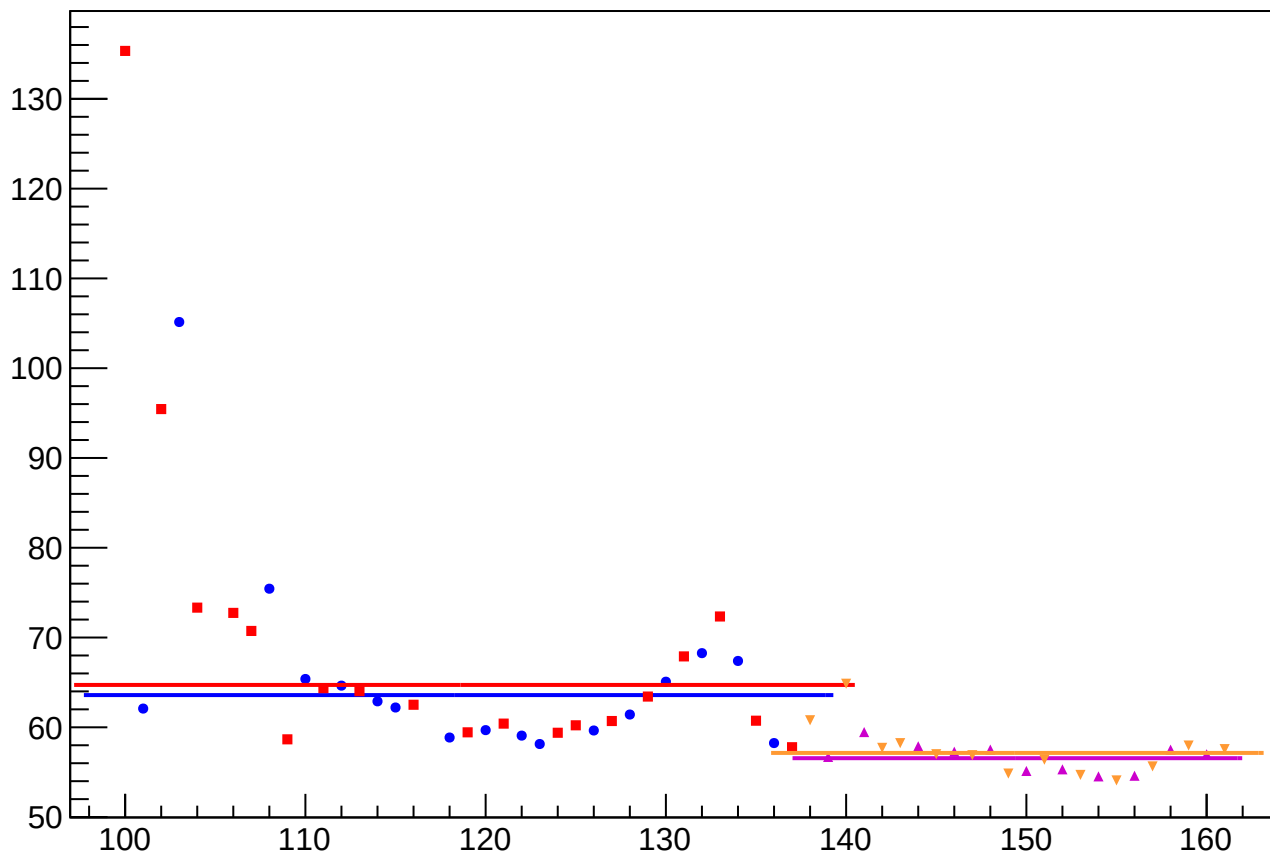
Left In: -193.827 ± 18.869 $\chi^2/\text{NDF}: 14.9/10$

-206.033 ± 14.743 $\chi^2/\text{NDF}: 32.2/29$

-186.858 ± 10.505 $\chi^2/\text{NDF}: 96.5/59$

-167.084 ± 14.972 $\chi^2/\text{NDF}: 60.8/29$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 ± 0.018 χ^2/NDF : 234601.0/16

Left Out: 57.147 ± 0.013 χ^2/NDF : 41162.0/12

Right Out: 64.720 ± 0.017 χ^2/NDF : 227506.4/18

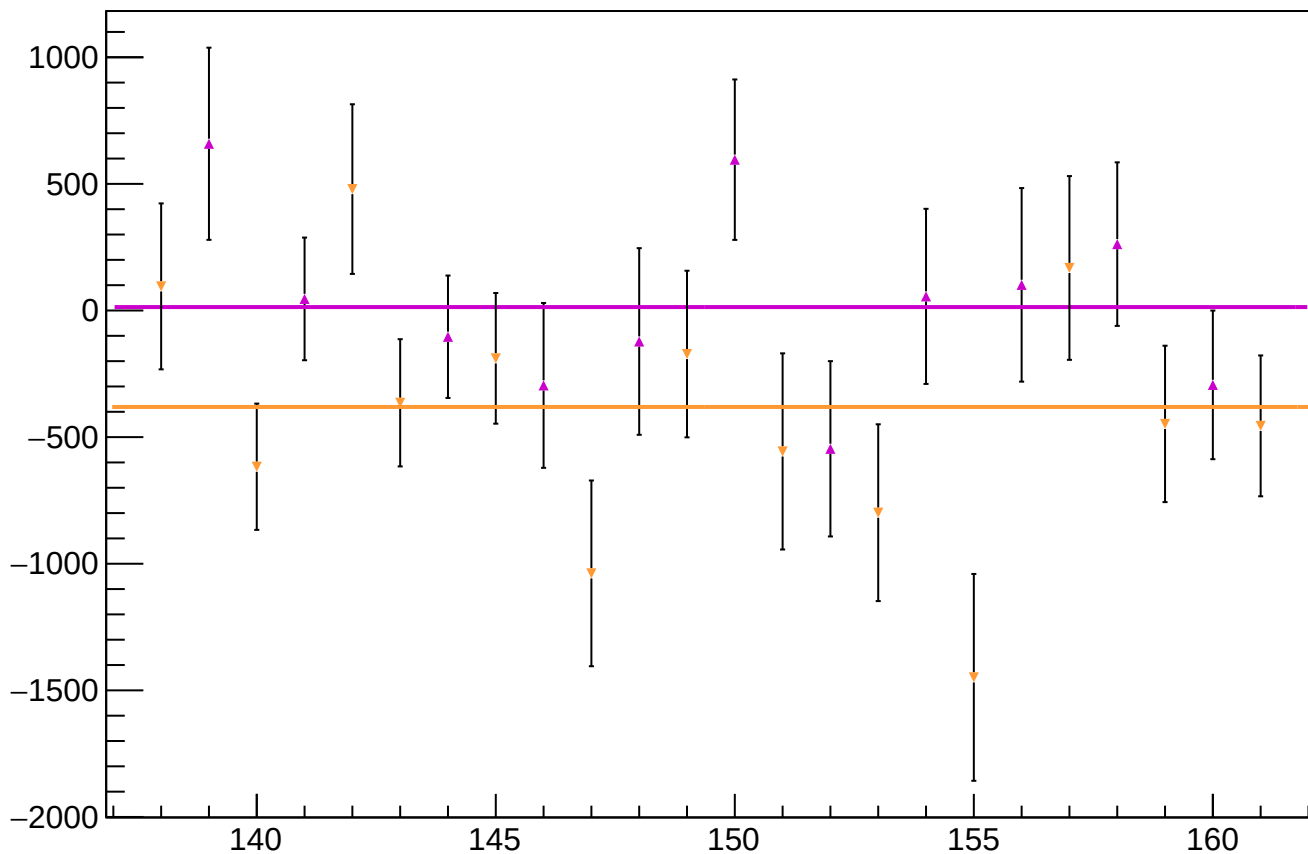
Left In: 56.560 ± 0.013 χ^2/NDF : 12525.1/10

59.409 ± 0.010 χ^2/NDF : 362756.6/29

59.495 ± 0.007 χ^2/NDF : 741480.6/59

59.583 ± 0.011 χ^2/NDF : 378587.7/29

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -380.912+/-86.470 χ^2/NDF : 24.7/12

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

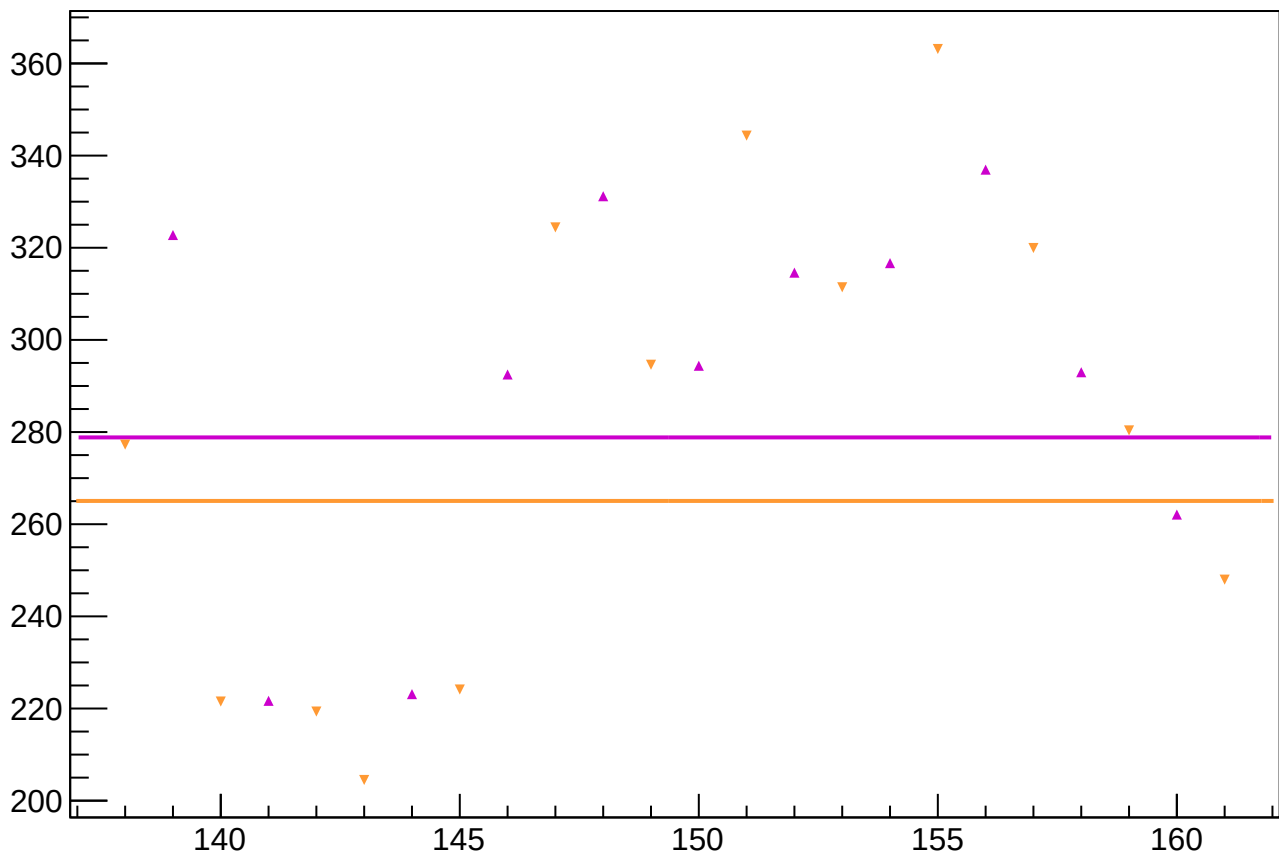
Left In: 13.572+/-94.220 χ^2/NDF : 11.9/10

-380.912+/-86.470 χ^2/NDF : 24.7/12

-200.559+/-63.708 χ^2/NDF : 46.1/23

13.572+/-94.220 χ^2/NDF : 11.9/10

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 265.052+/-0.061 χ^2/NDF : 628833.1/12

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

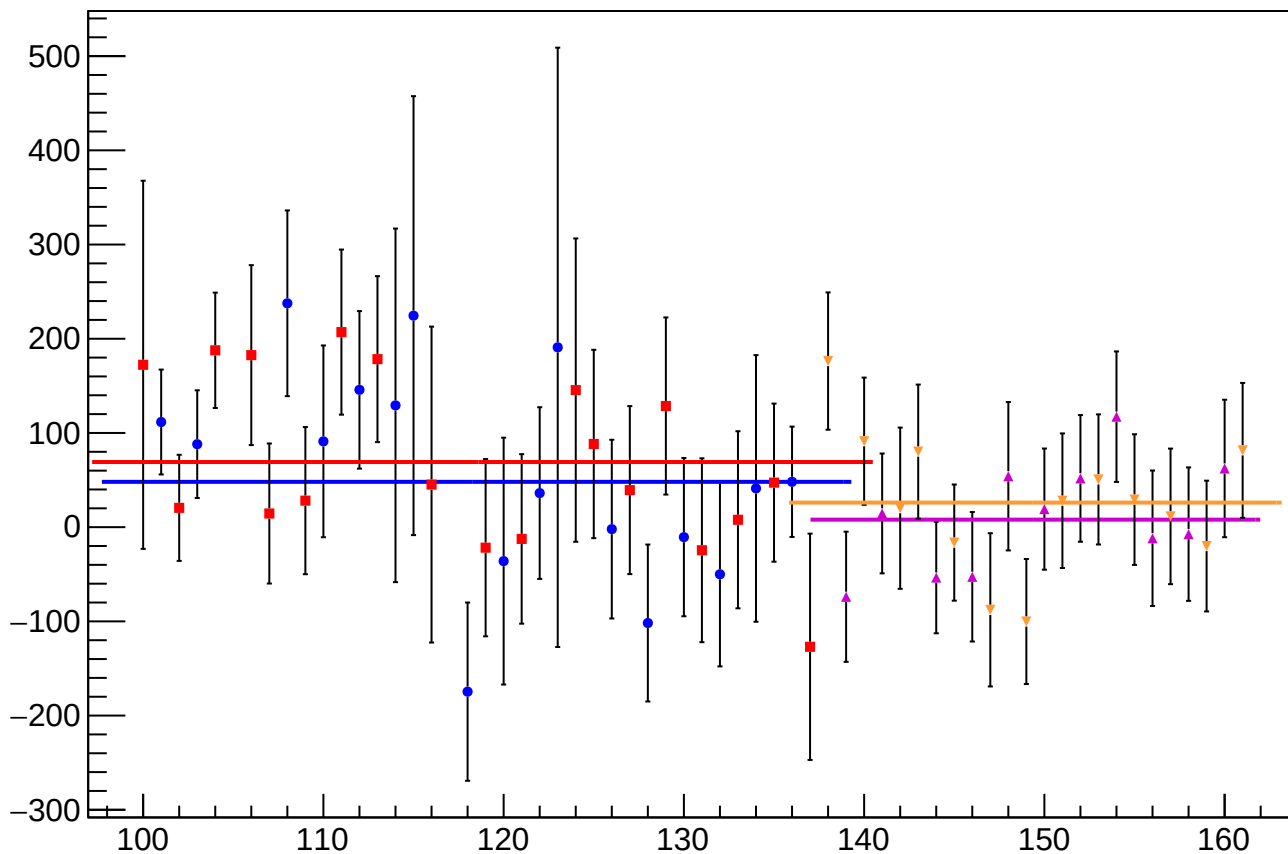
Left In: 278.838+/-0.067 χ^2/NDF : 395102.4/10

265.052+/-0.061 χ^2/NDF : 628833.1/12

271.355+/-0.045 χ^2/NDF : 1047174.0/23

278.838+/-0.067 χ^2/NDF : 395102.4/10

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 26.095+/-19.640 χ^2/NDF :13.0/12

Right Out: 69.156+/-20.407 χ^2/NDF : 17.7/18

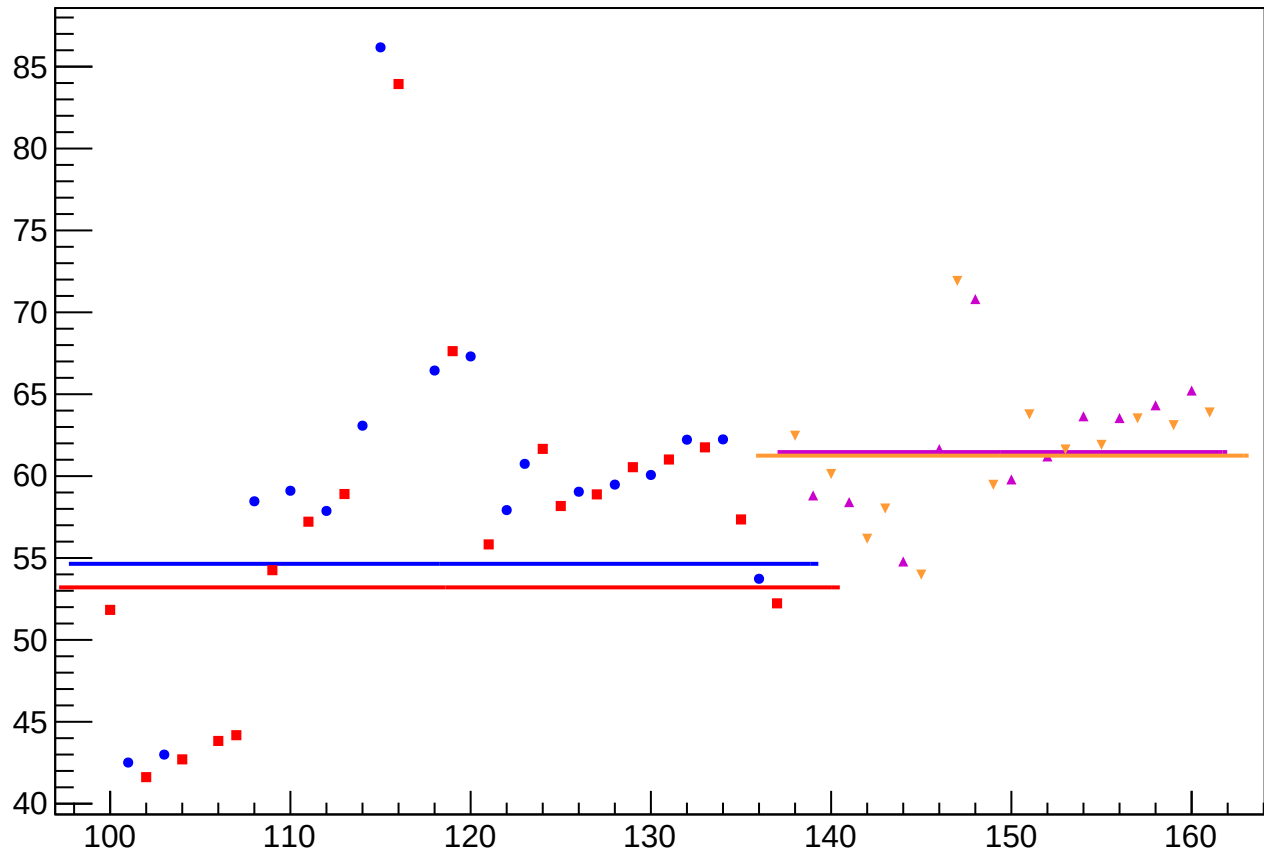
Left In: 7.983+/-20.554 χ^2/NDF :7.2/10

36.104+/-14.504 χ^2/NDF : 32.6/29

37.448+/-10.248 χ^2/NDF : 61.9/59

38.788+/-14.482 χ^2/NDF : 29.3/29

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: 61.250 $\pm$ 0.014 χ^2 /NDF: 84747.3/12

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

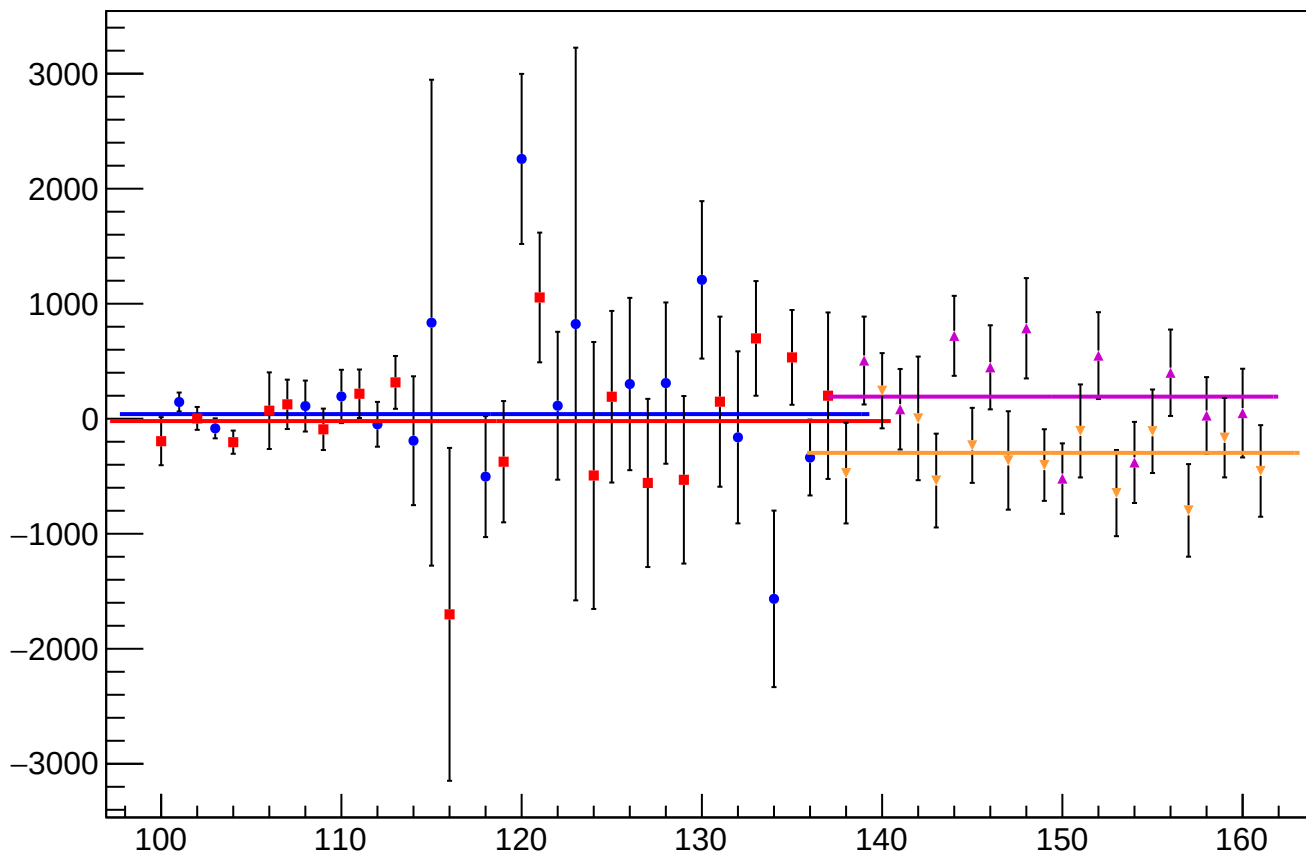
Left In: 61.468 $\pm$ 0.015 χ^2 /NDF: 74760.8/10

58.247 $\pm$ 0.010 χ^2 /NDF: 506878.8/29

57.776 $\pm$ 0.007 χ^2 /NDF: 1134819.8/59

57.308 $\pm$ 0.010 χ^2 /NDF: 623742.3/29

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -296.656 $\pm$ 104.862 χ^2 /NDF: 6.9/12

Right Out: -20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

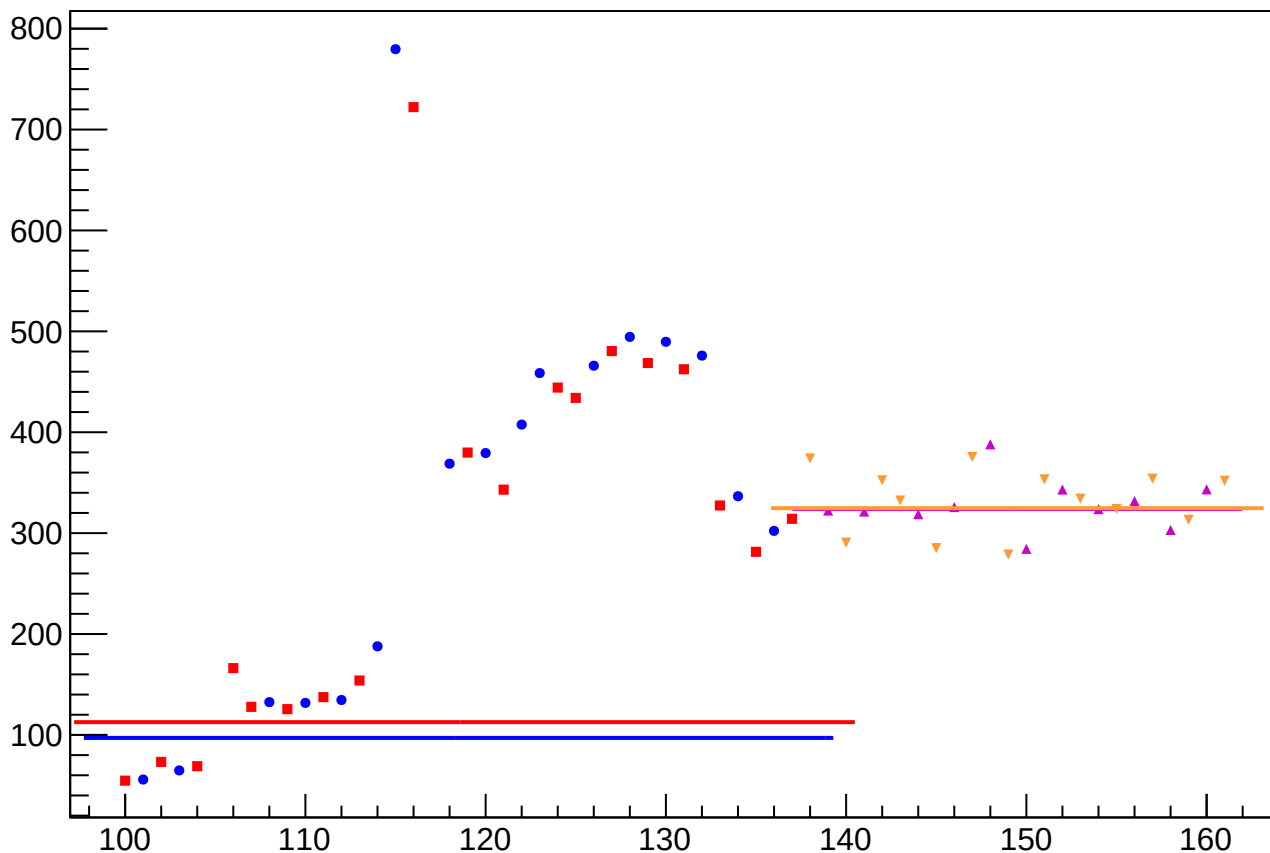
Left In: 192.140 $\pm$ 108.776 χ^2 /NDF: 15.1/10

-25.342 $\pm$ 46.257 χ^2 /NDF: 39.1/29

-3.023 $\pm$ 33.255 χ^2 /NDF: 76.6/59

20.854 $\pm$ 47.844 χ^2 /NDF: 37.0/29

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 324.731+/-0.074 χ^2/NDF : 187794.2/12

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

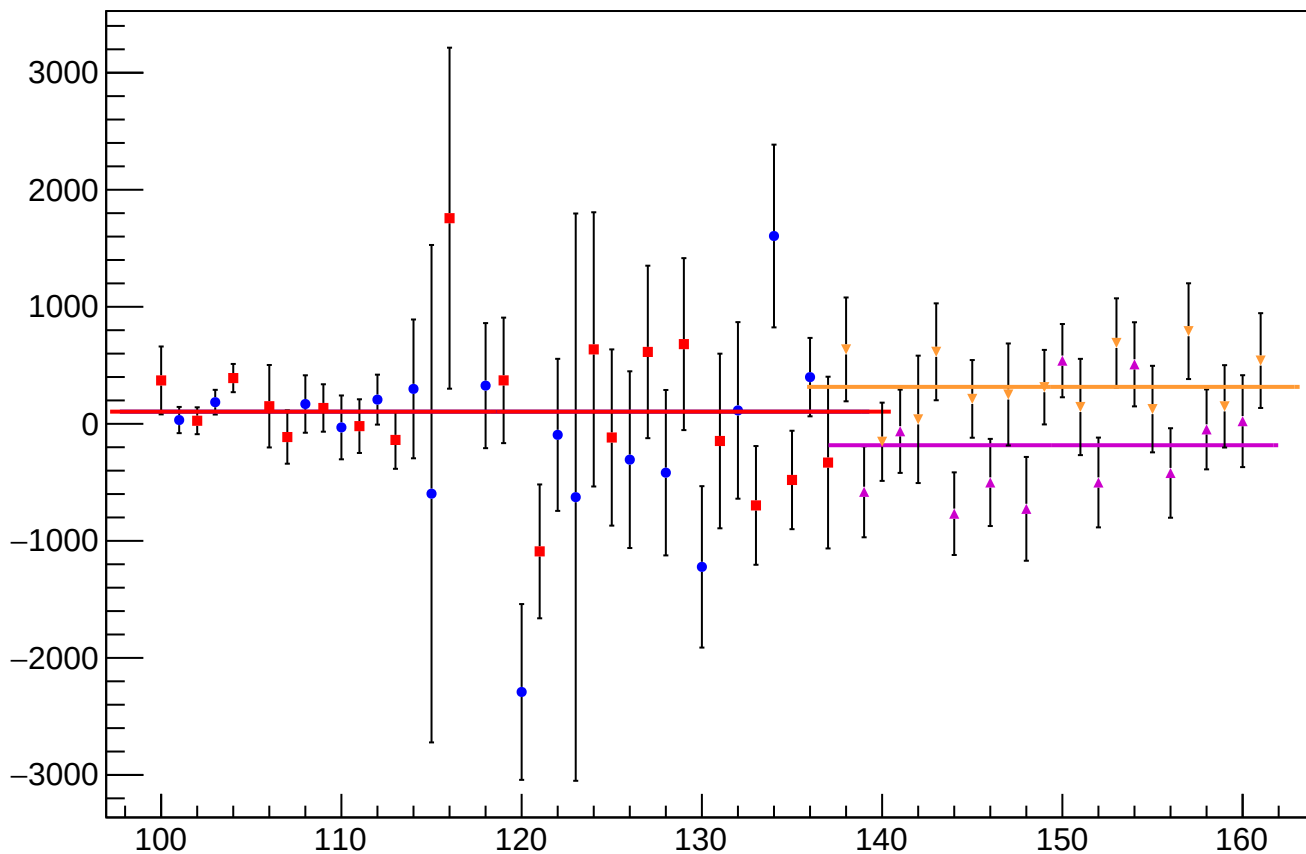
Left In: 323.822+/-0.077 χ^2/NDF : 96052.2/10

141.345+/-0.033 χ^2/NDF : 13602251.4/29

147.220+/-0.024 χ^2/NDF : 24880619.2/59

153.506+/-0.034 χ^2/NDF : 11211577.6/29

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2/NDF : 21.3/16

Left Out: 315.737 $\pm$ 106.775 χ^2/NDF : 6.7/12

Right Out: 104.140 $\pm$ 60.857 χ^2/NDF : 21.3/18

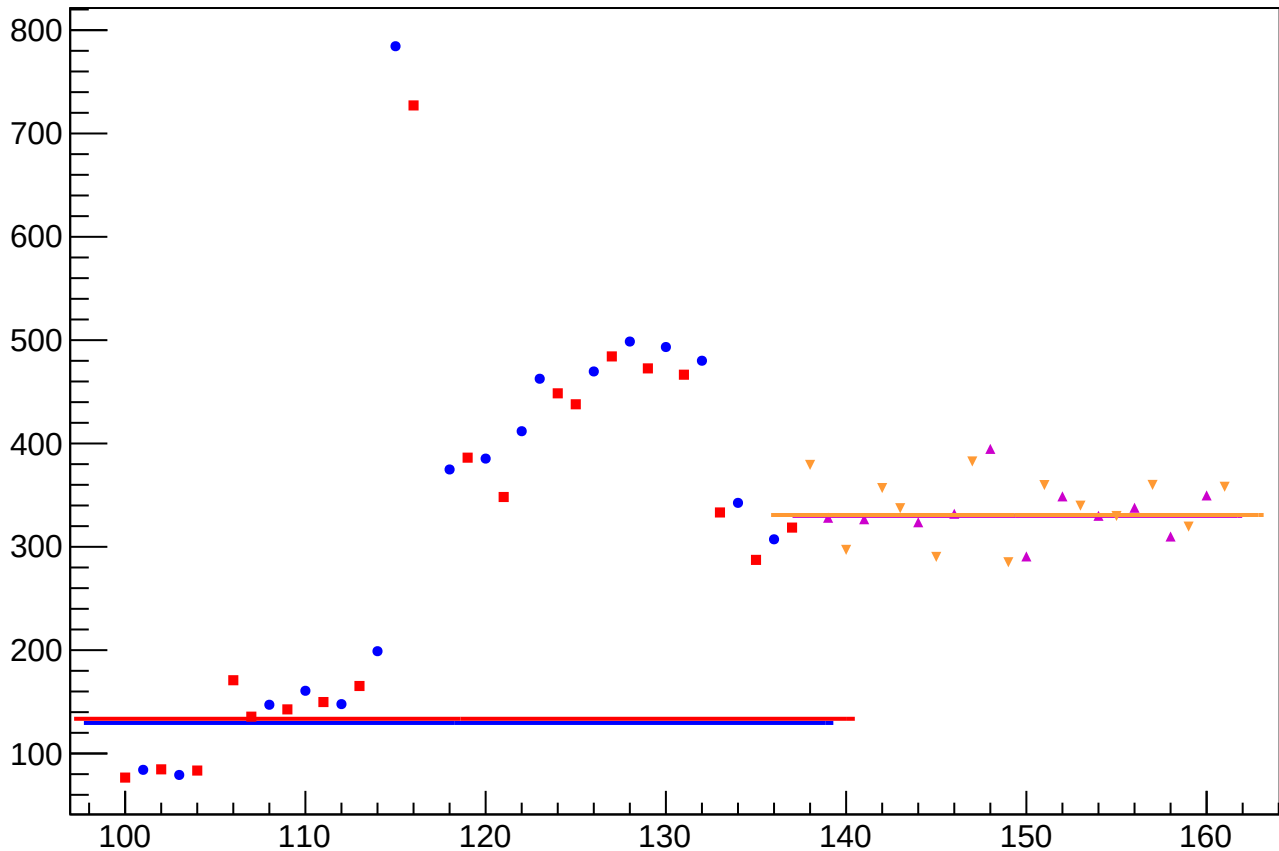
Left In: -182.840 $\pm$ 110.785 χ^2/NDF : 16.7/10

158.879 $\pm$ 54.359 χ^2/NDF : 30.9/29

97.099 $\pm$ 38.072 χ^2/NDF : 76.6/59

37.615 $\pm$ 53.339 χ^2/NDF : 43.2/29

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 330.804 $\pm$ 0.076 χ^2 /NDF: 181093.3/12

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

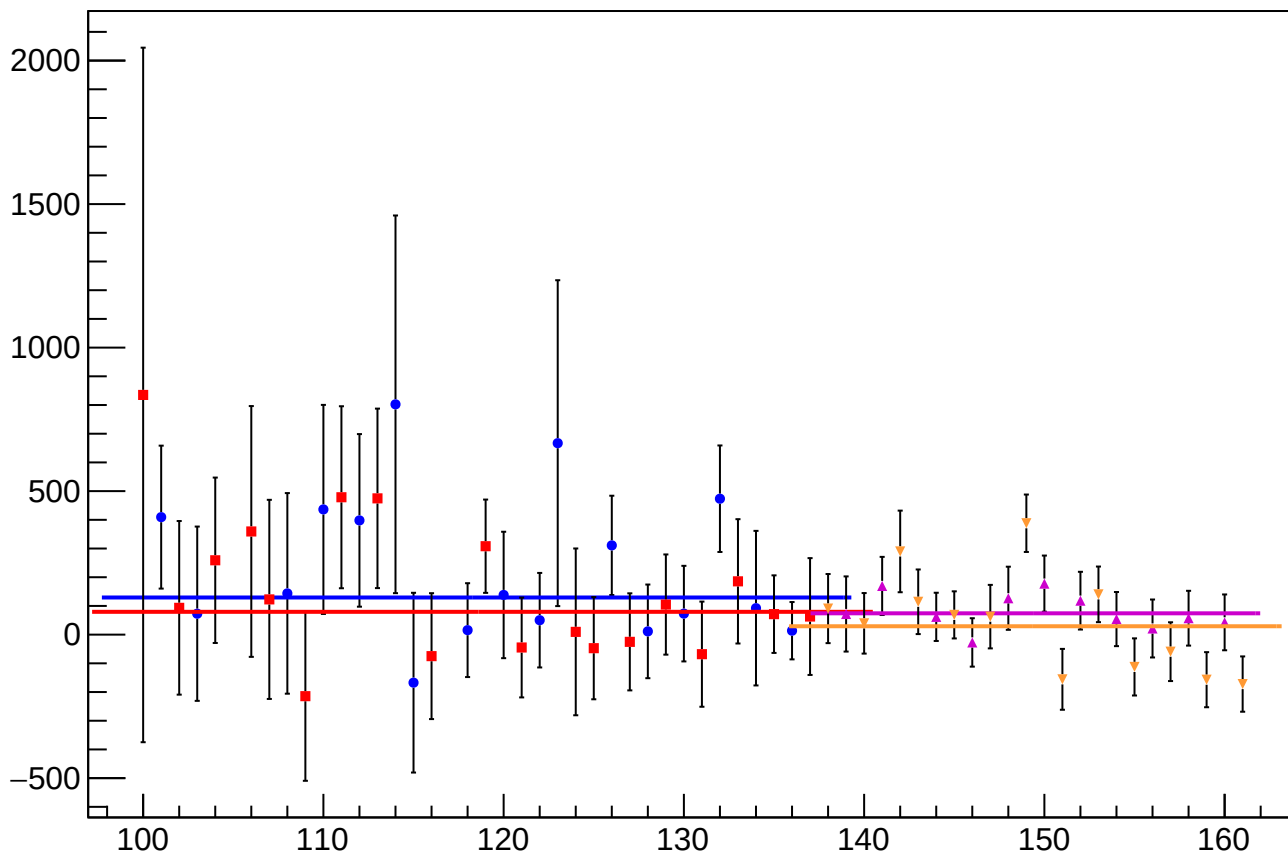
Left In: 329.914 $\pm$ 0.078 χ^2 /NDF: 92669.9/10

181.713 $\pm$ 0.038 χ^2 /NDF: 10217127.5/29

180.382 $\pm$ 0.027 χ^2 /NDF: 19503147.1/59

179.102 $\pm$ 0.038 χ^2 /NDF: 9283668.9/29

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: 29.184 $\pm$ 28.566 χ^2 /NDF:32.7/12

Right Out: 79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

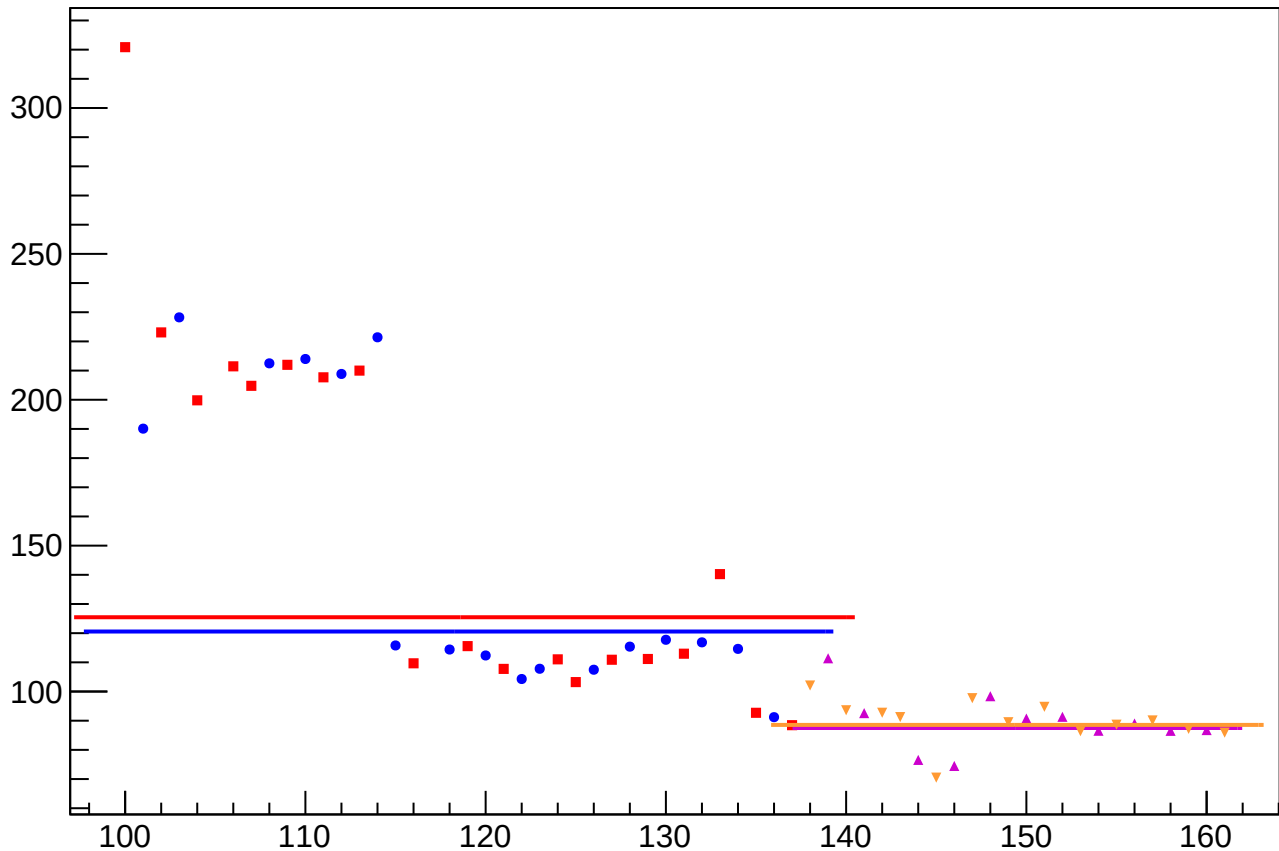
Left In: 74.273 $\pm$ 29.485 χ^2 /NDF:4.4/10

54.510 $\pm$ 24.694 χ^2 /NDF: 48.7/29

64.776 $\pm$ 17.700 χ^2 /NDF: 63.6/59

75.622 $\pm$ 25.383 χ^2 /NDF: 14.6/29

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: 88.556 $\pm$ 0.020 χ^2/NDF : 153597.8/12

Right Out: 125.458 $\pm$ 0.035 χ^2/NDF : 1333754.6/18

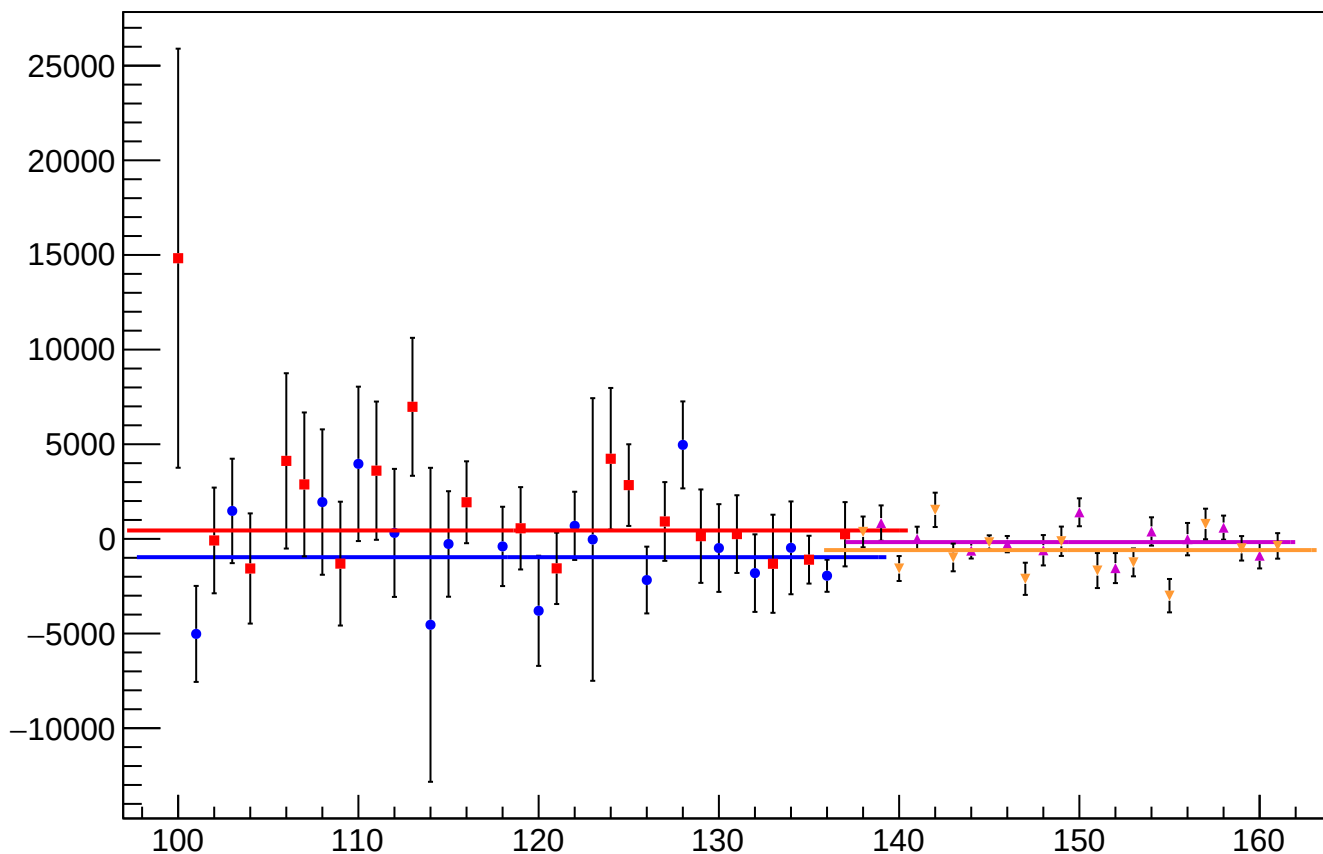
Left In: 87.496 $\pm$ 0.021 χ^2/NDF : 178813.4/10

96.646 $\pm$ 0.017 χ^2/NDF : 1900283.8/29

96.976 $\pm$ 0.013 χ^2/NDF : 4271921.0/59

97.325 $\pm$ 0.018 χ^2/NDF : 2370901.9/29

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -592.396+/-190.217 χ^2/NDF : 26.8/12

Right Out: 444.406+/-545.370 χ^2/NDF : 13.4/18

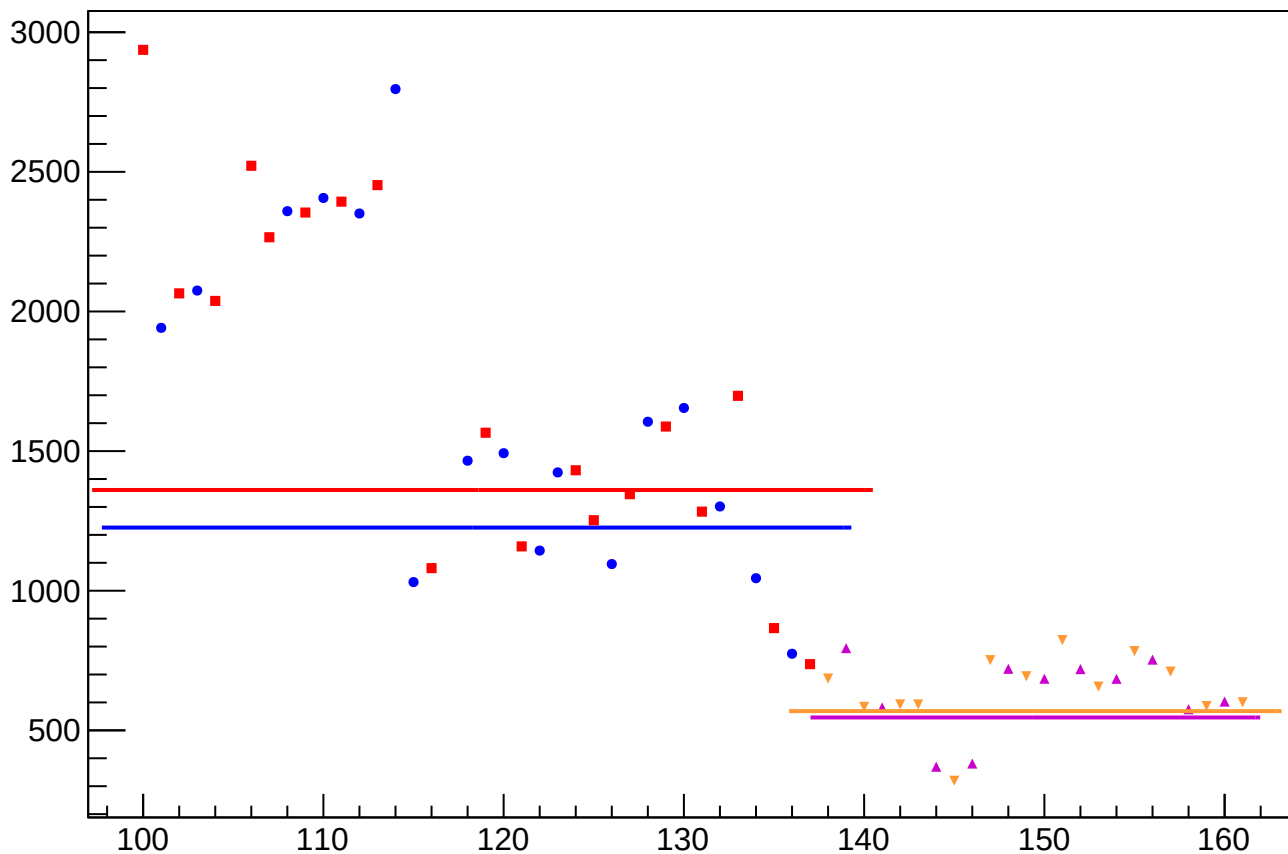
Left In: -169.561+/-190.500 χ^2/NDF : 13.5/10

-637.727+/-178.323 χ^2/NDF : 43.6/29

-372.532+/-126.628 χ^2/NDF : 76.1/59

-102.796+/-179.844 χ^2/NDF : 28.0/29

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135 +/- 0.362 χ^2/NDF : 1756323.1/16

Left Out: 568.887 +/- 0.135 χ^2/NDF : 1458213.0/12

Right Out: 1360.770 +/- 0.386 χ^2/NDF : 1749074.9/18

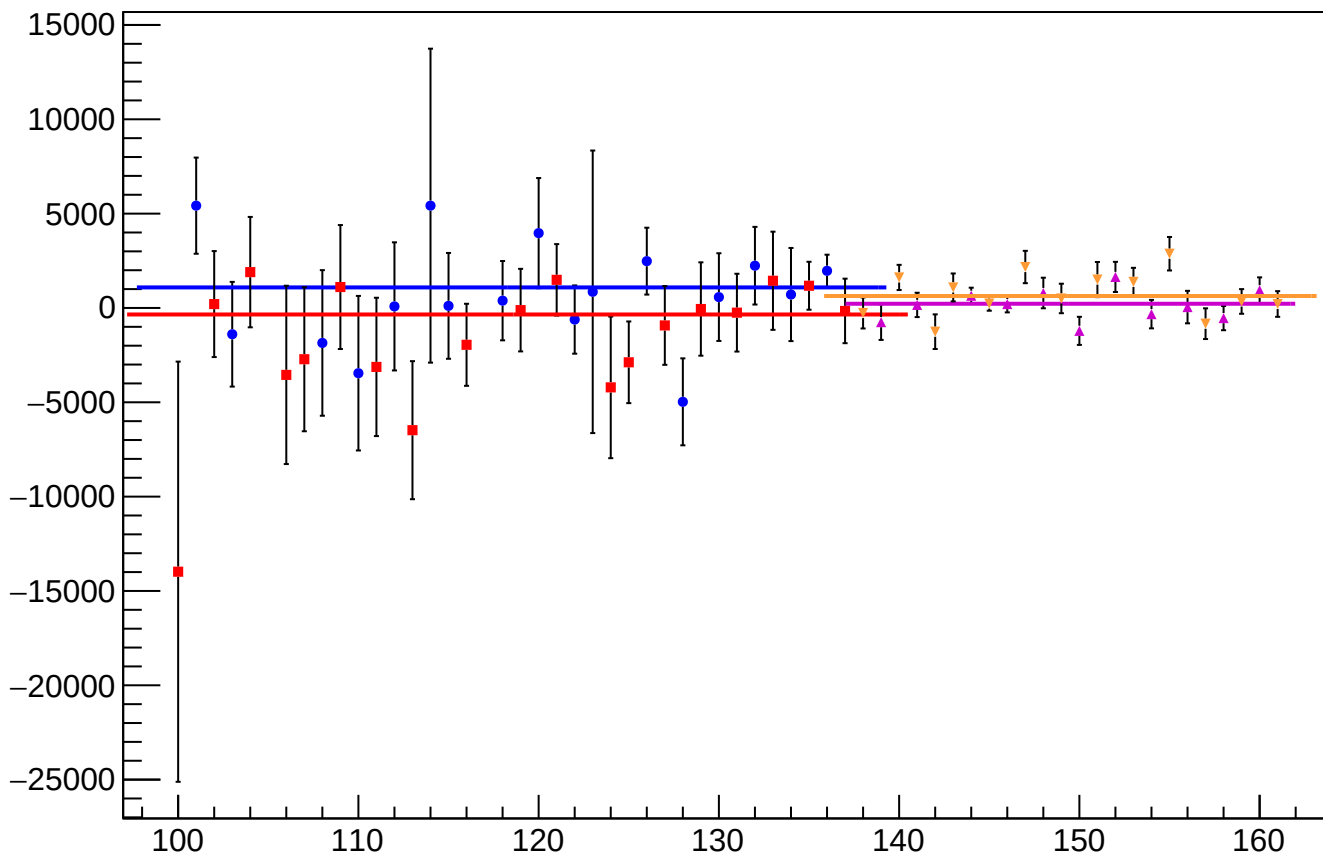
Left In: 546.151 +/- 0.135 χ^2/NDF : 1264207.4/10

648.508 +/- 0.126 χ^2/NDF : 6107145.5/29

641.681 +/- 0.090 χ^2/NDF : 13103366.7/59

634.736 +/- 0.127 χ^2/NDF : 6990307.5/29

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2/NDF : 16.9/16

Left Out: 633.494 $\pm$ 192.919 χ^2/NDF : 24.4/12

Right Out: -345.640 $\pm$ 548.191 χ^2/NDF : 12.5/18

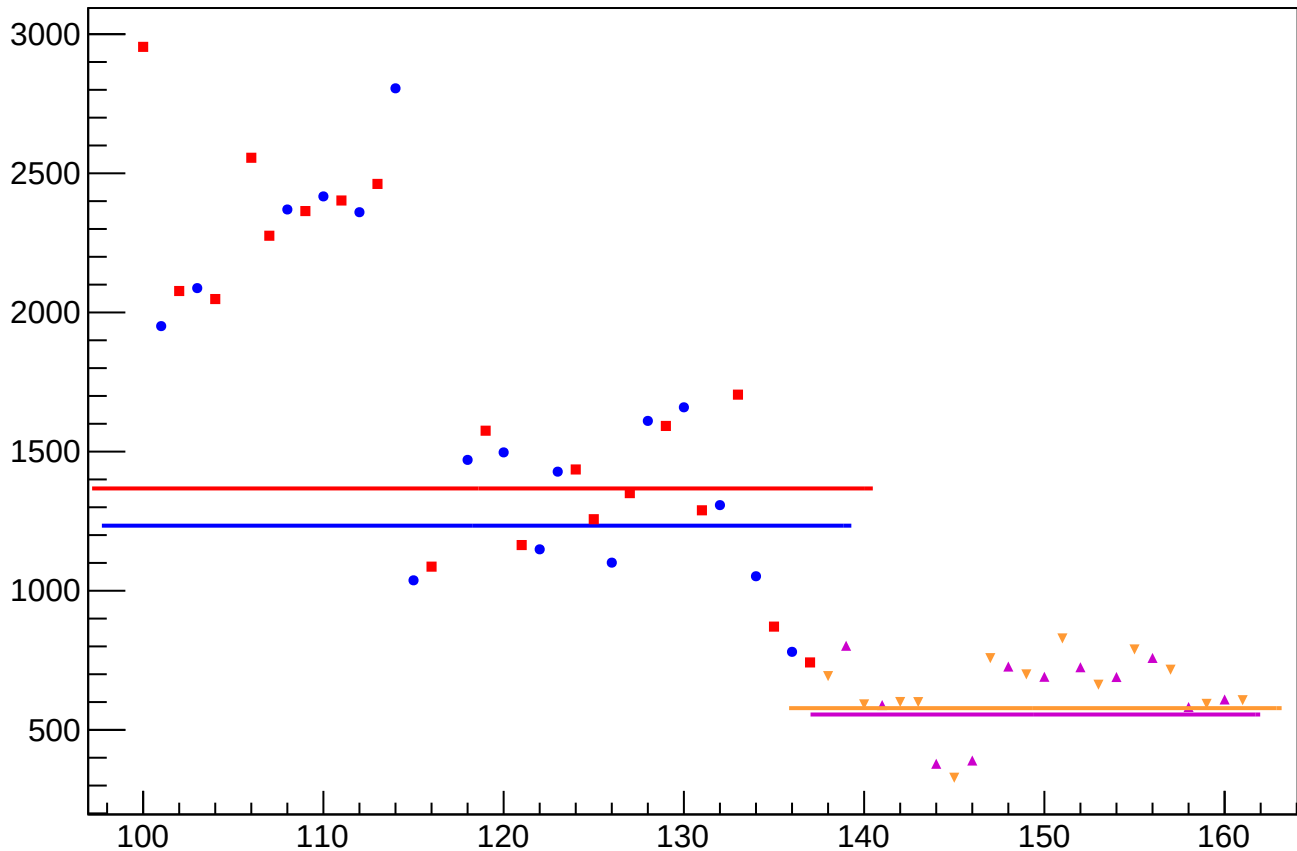
Left In: 222.767 $\pm$ 193.332 χ^2/NDF : 12.5/10

689.503 $\pm$ 180.671 χ^2/NDF : 42.1/29

427.111 $\pm$ 128.335 χ^2/NDF : 72.3/59

159.890 $\pm$ 182.325 χ^2/NDF : 26.0/29

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863 $\pm$ 0.364 χ^2 /NDF: 1744048.5/16

Left Out: 578.164 $\pm$ 0.136 χ^2 /NDF: 1386393.3/12

Right Out: 1367.609 $\pm$ 0.388 χ^2 /NDF: 1744594.4/18

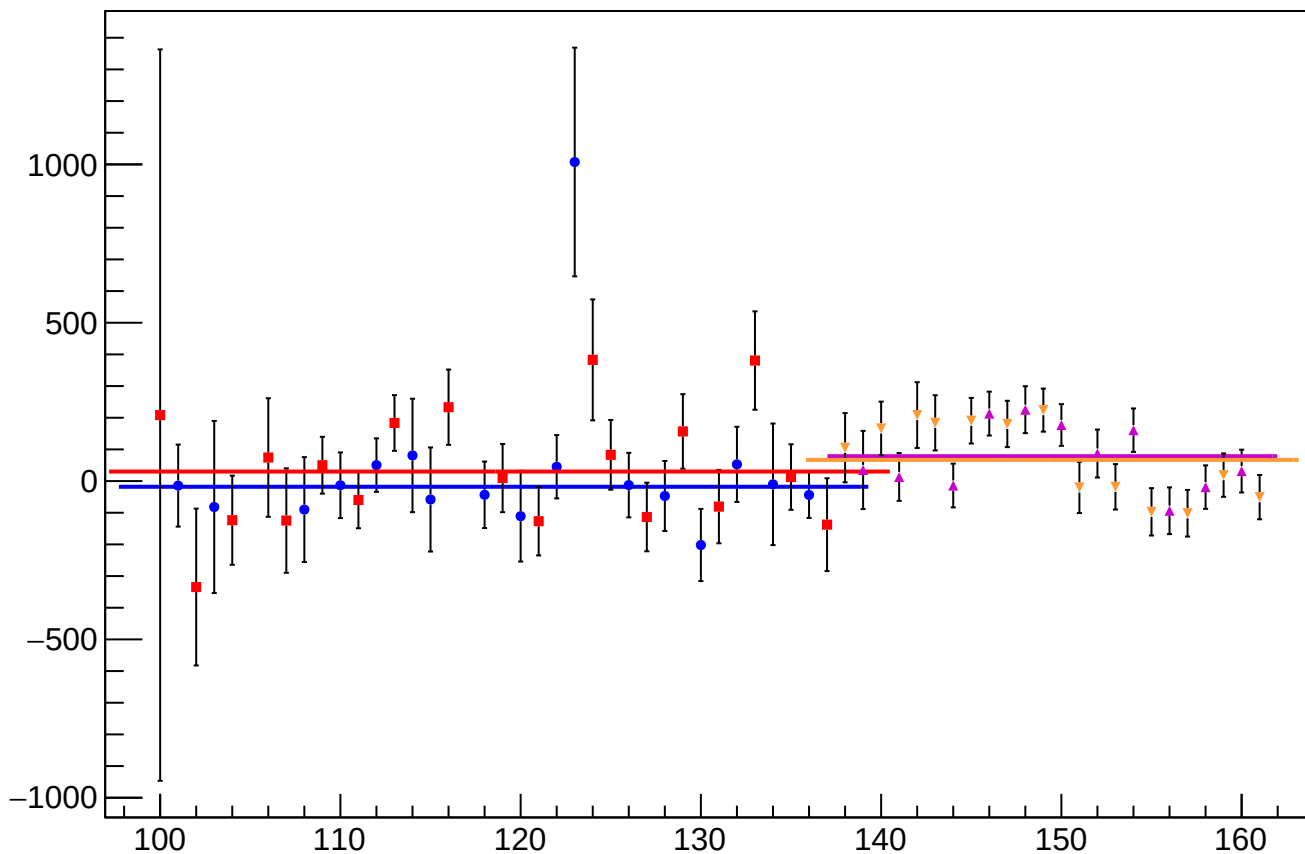
Left In: 555.296 $\pm$ 0.137 χ^2 /NDF: 1208128.5/10

658.778 $\pm$ 0.128 χ^2 /NDF: 5970929.3/29

652.028 $\pm$ 0.091 χ^2 /NDF: 12835002.0/59

645.153 $\pm$ 0.129 χ^2 /NDF: 6858437.8/29

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: 66.940 ± 21.458 $\chi^2/\text{NDF}: 31.8/12$

Right Out: 30.070 ± 27.976 $\chi^2/\text{NDF}: 27.4/18$

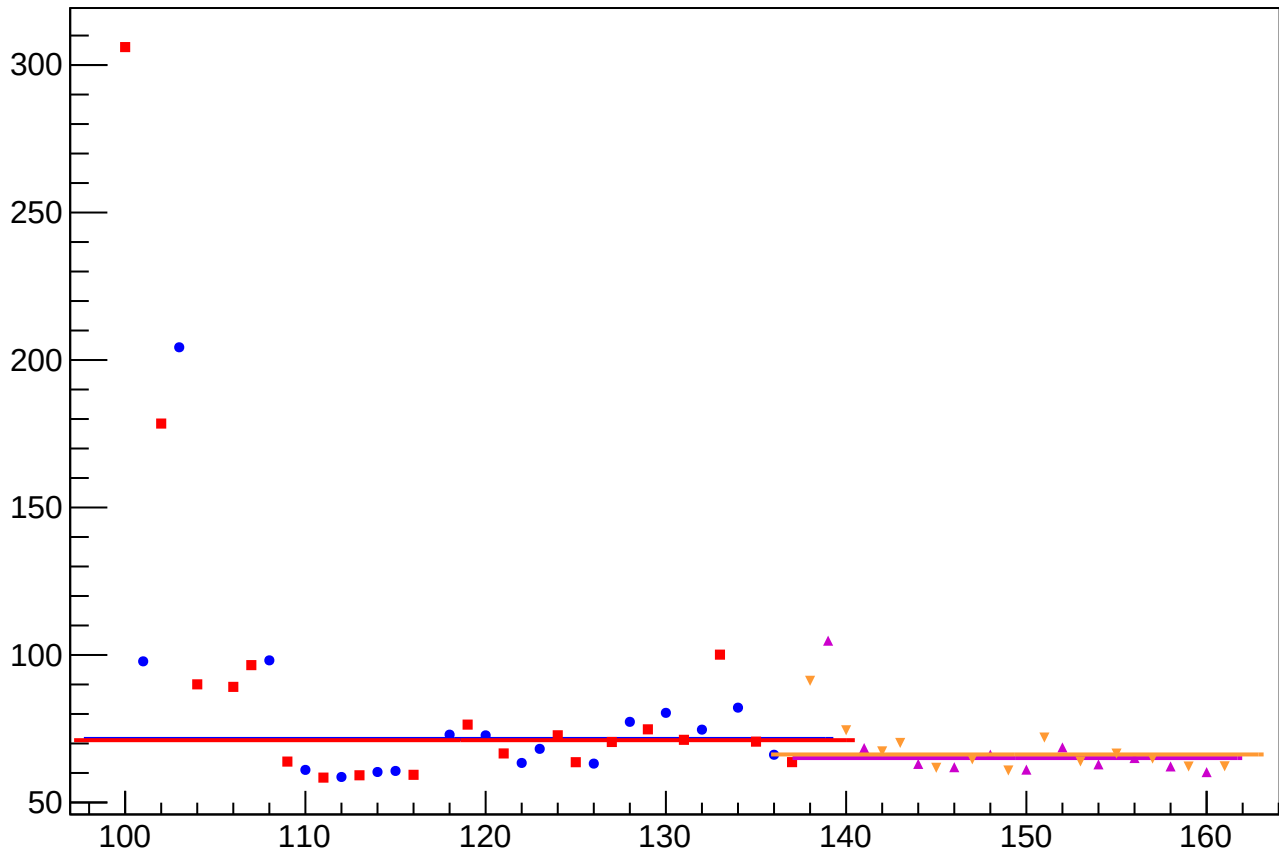
Left In: 78.553 ± 21.963 $\chi^2/\text{NDF}: 22.0/10$

36.695 ± 17.217 $\chi^2/\text{NDF}: 50.7/29$

48.341 ± 12.195 $\chi^2/\text{NDF}: 102.9/59$

60.066 ± 17.275 $\chi^2/\text{NDF}: 51.3/29$

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: 66.275 $\pm$ 0.015 χ^2 /NDF:175730.2/12

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

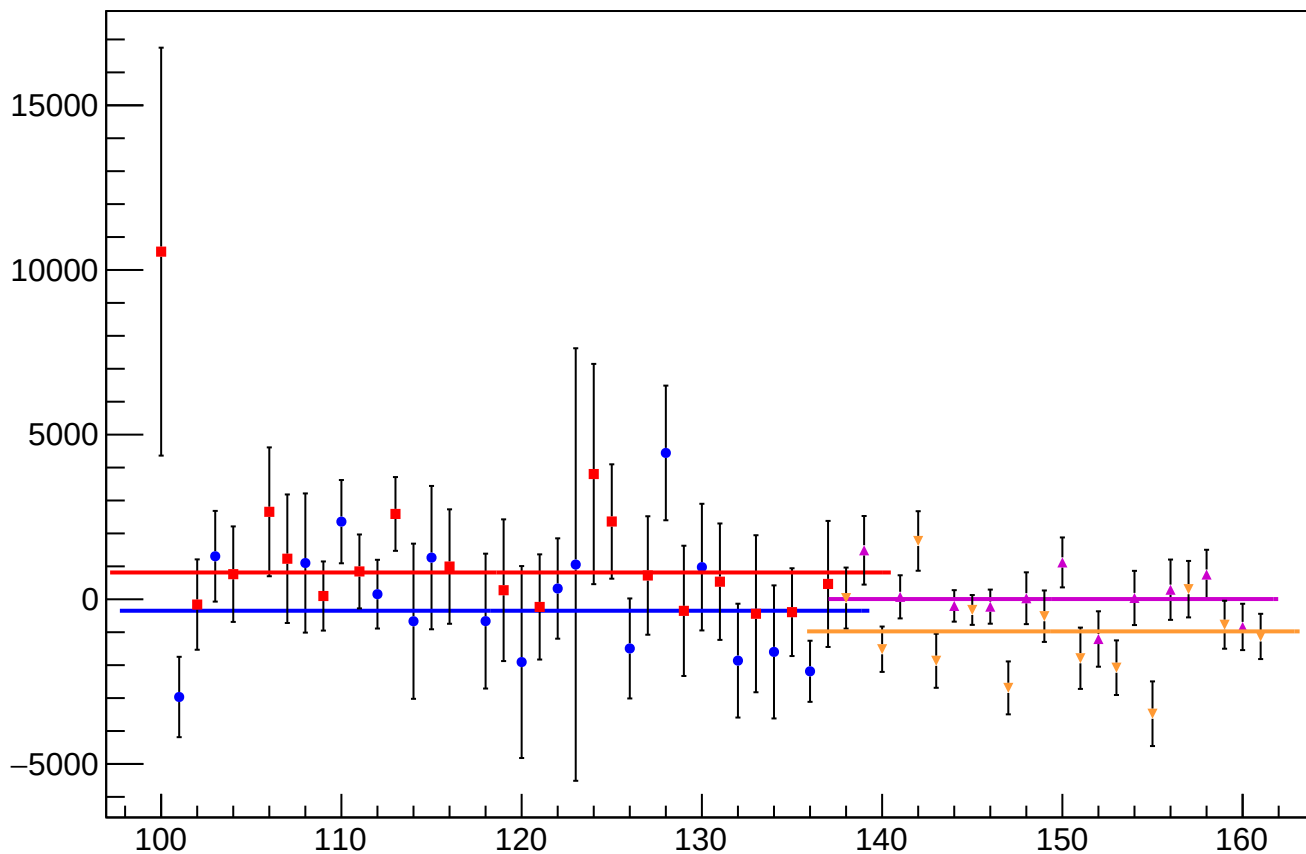
Left In: 65.051 $\pm$ 0.016 χ^2 /NDF:244836.5/10

68.149 $\pm$ 0.012 χ^2 /NDF: 977512.0/29

67.757 $\pm$ 0.009 χ^2 /NDF: 2047714.2/59

67.363 $\pm$ 0.012 χ^2 /NDF: 1068127.1/29

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -974.469 ± 208.268 χ^2/NDF : 30.6/12

Right Out: 814.154 ± 369.807 χ^2/NDF : 10.5/18

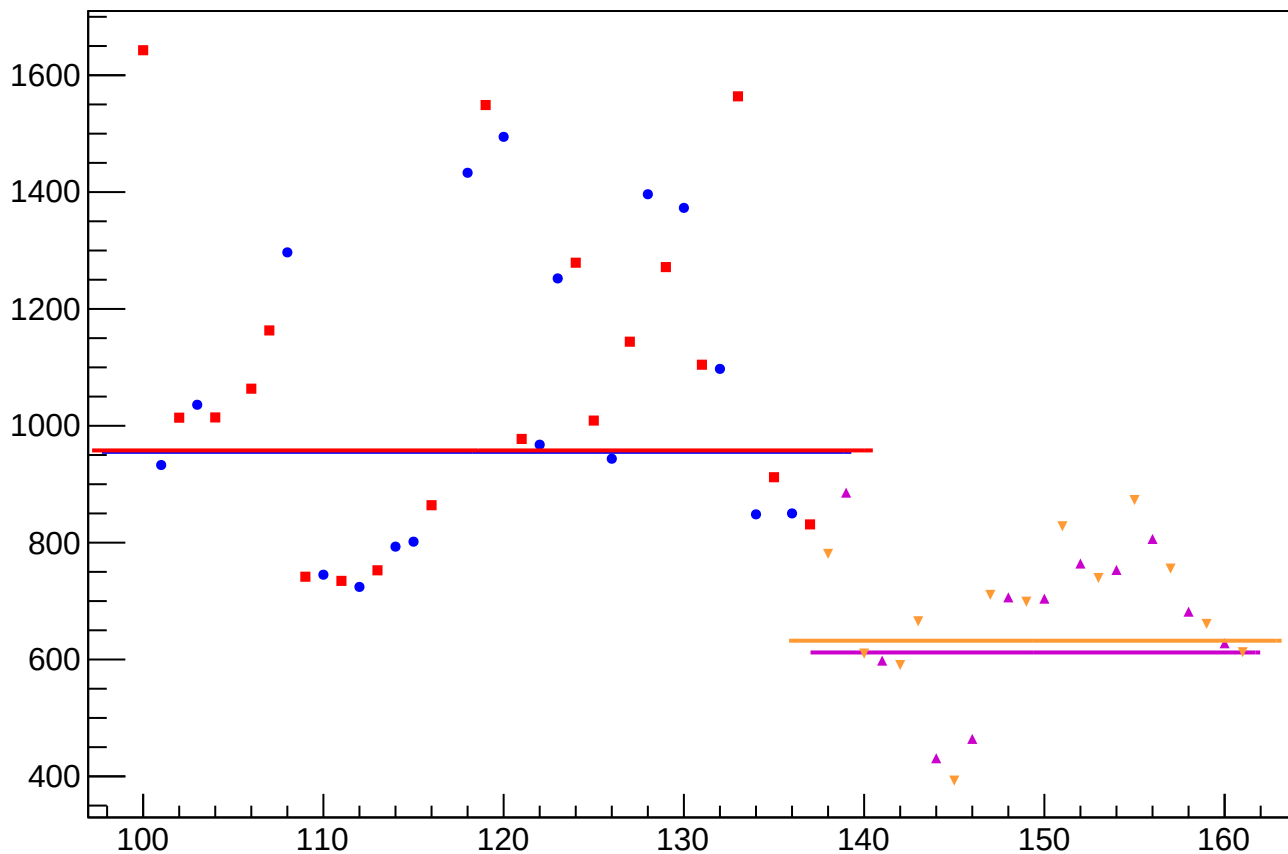
Left In: 7.439 ± 210.436 χ^2/NDF : 9.2/10

-830.903 ± 182.856 χ^2/NDF : 56.7/29

-313.186 ± 129.313 χ^2/NDF : 96.0/59

204.766 ± 182.897 χ^2/NDF : 23.3/29

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 632.186 $\pm$ 0.147 χ^2 /NDF: 942186.8/12

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

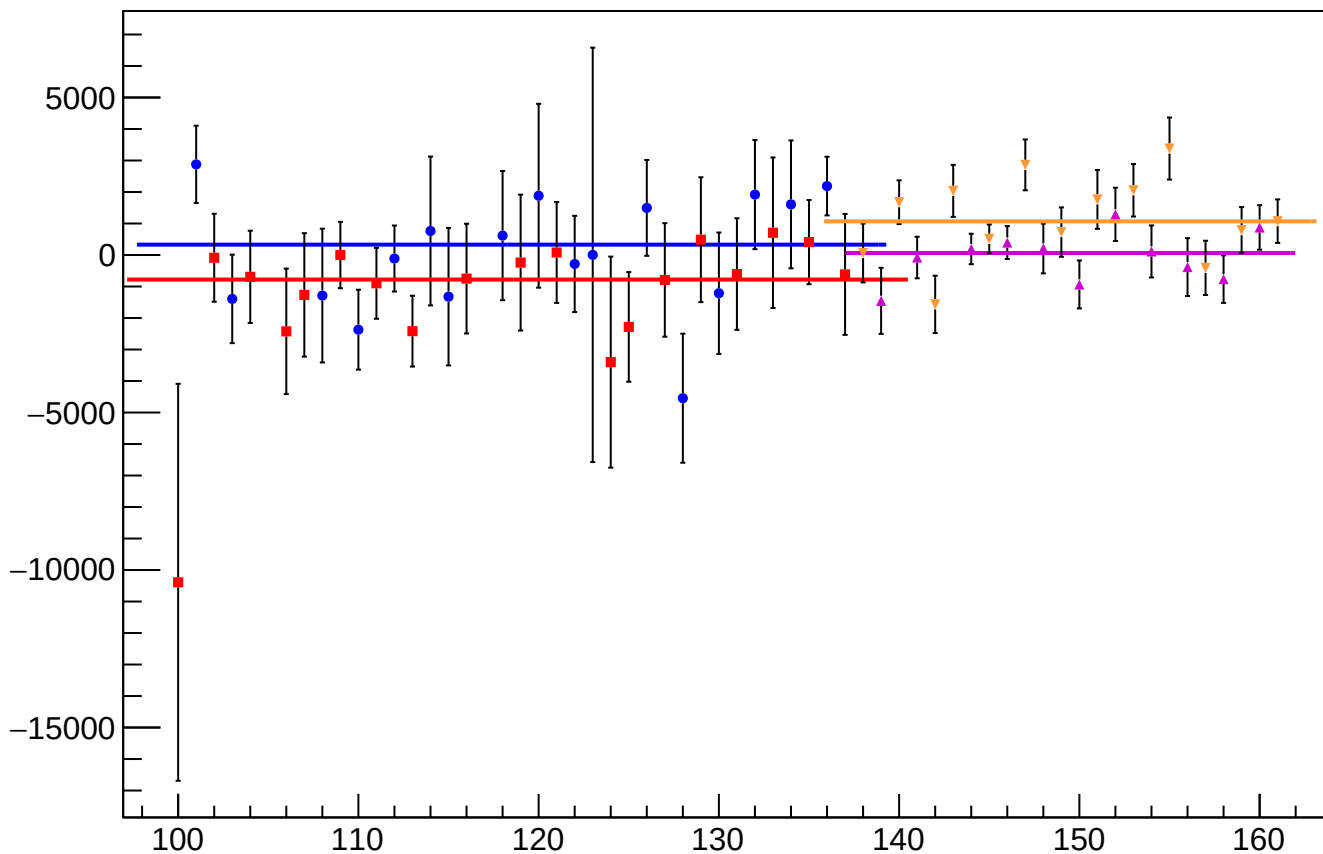
Left In: 612.047 $\pm$ 0.149 χ^2 /NDF: 879594.3/10

706.254 $\pm$ 0.129 χ^2 /NDF: 2692628.1/29

701.444 $\pm$ 0.091 χ^2 /NDF: 5589086.2/59

696.632 $\pm$ 0.129 χ^2 /NDF: 2893689.7/29

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 1068.534 $\pm$ 209.672 χ^2 /NDF:28.8/12

Right Out: -779.623 $\pm$ 371.673 χ^2 /NDF: 9.3/18

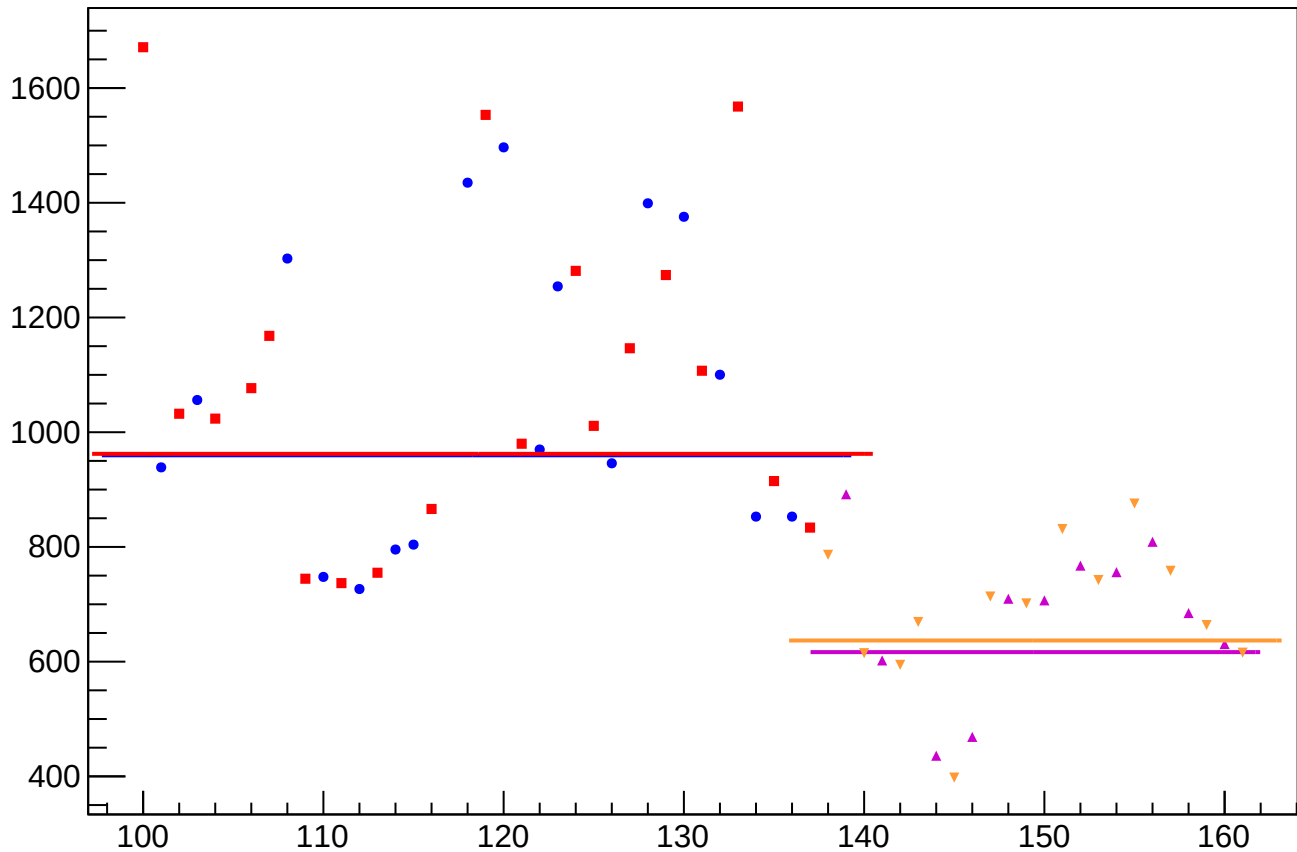
Left In: 63.548 $\pm$ 211.871 χ^2 /NDF:9.2/10

898.539 $\pm$ 183.997 χ^2 /NDF: 56.0/29

377.840 $\pm$ 130.129 χ^2 /NDF: 94.4/59

-143.245 $\pm$ 184.065 χ^2 /NDF: 22.4/29

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 ± 0.271 χ^2/NDF : 646727.9/16

Left Out: 636.888 ± 0.148 χ^2/NDF : 915679.4/12

Right Out: 962.314 ± 0.263 χ^2/NDF : 695757.2/18

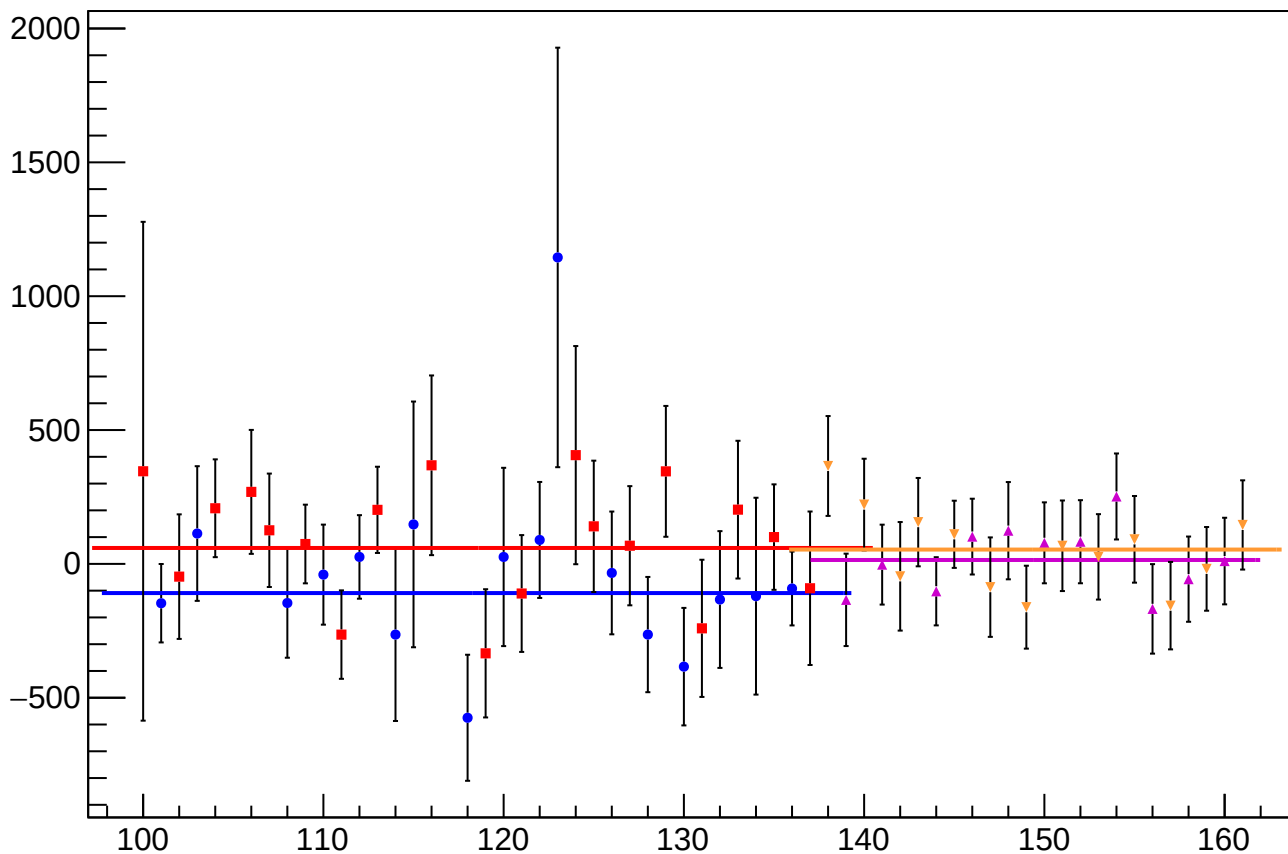
Left In: 616.627 ± 0.150 χ^2/NDF : 858667.4/10

711.125 ± 0.130 χ^2/NDF : 2652863.0/29

706.268 ± 0.092 χ^2/NDF : 5515864.8/59

701.409 ± 0.130 χ^2/NDF : 2860214.6/29

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 53.520 ± 45.415 χ^2/NDF : 9.4/12

Right Out: 59.475 ± 50.822 χ^2/NDF : 14.9/18

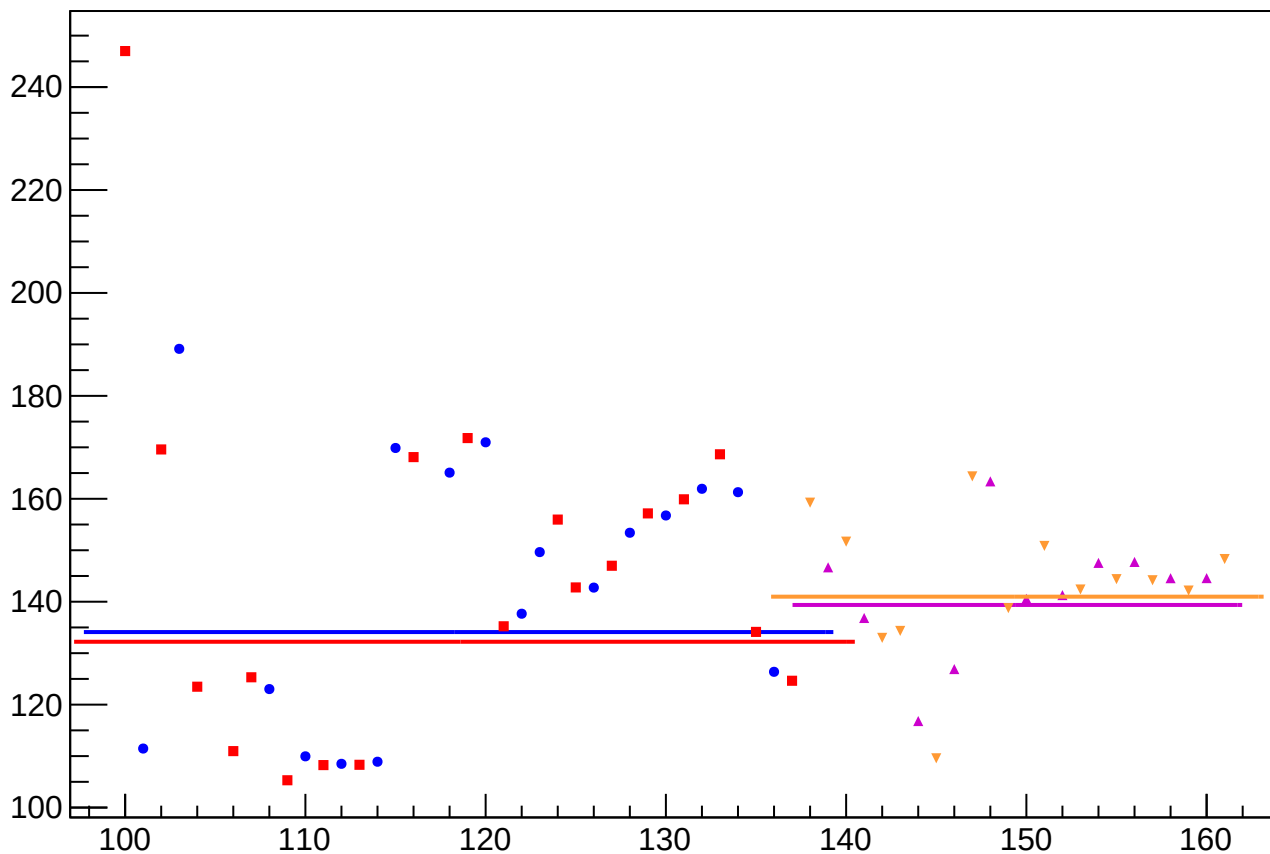
Left In: 14.594 ± 46.741 χ^2/NDF : 6.3/10

-15.395 ± 34.465 χ^2/NDF : 26.8/29

9.928 ± 24.348 χ^2/NDF : 49.5/59

35.160 ± 34.403 χ^2/NDF : 21.6/29

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 140.981 $\pm$ 0.032 χ^2 /NDF: 203314.6/12

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

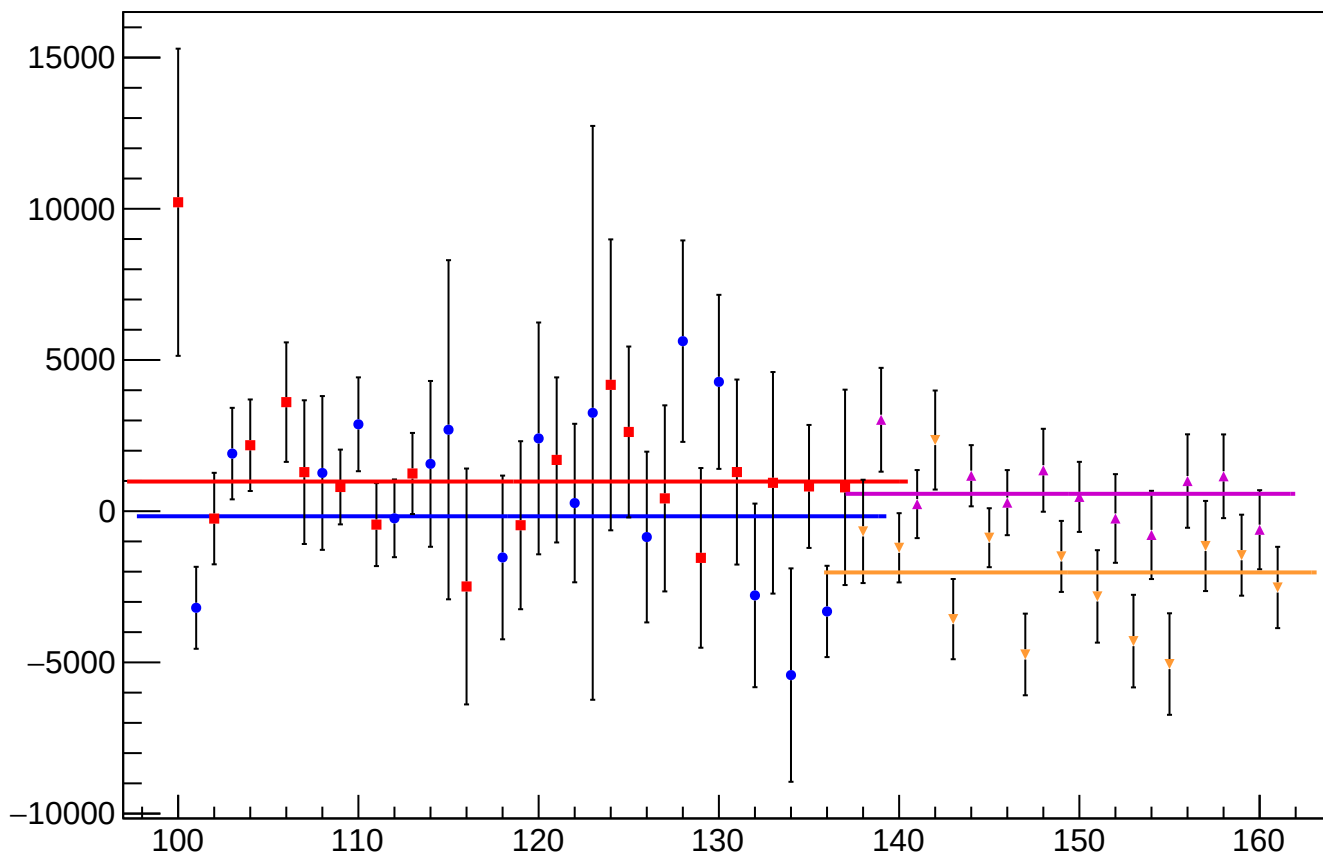
Left In: 139.370 $\pm$ 0.033 χ^2 /NDF: 132165.0/10

138.064 $\pm$ 0.024 χ^2 /NDF: 625348.7/29

137.077 $\pm$ 0.017 χ^2 /NDF: 1223982.2/59

136.093 $\pm$ 0.024 χ^2 /NDF: 595356.8/29

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -2025.192 ± 374.121 χ^2/NDF : 21.7/12

Right Out: 980.517 ± 480.968 χ^2/NDF : 10.2/18

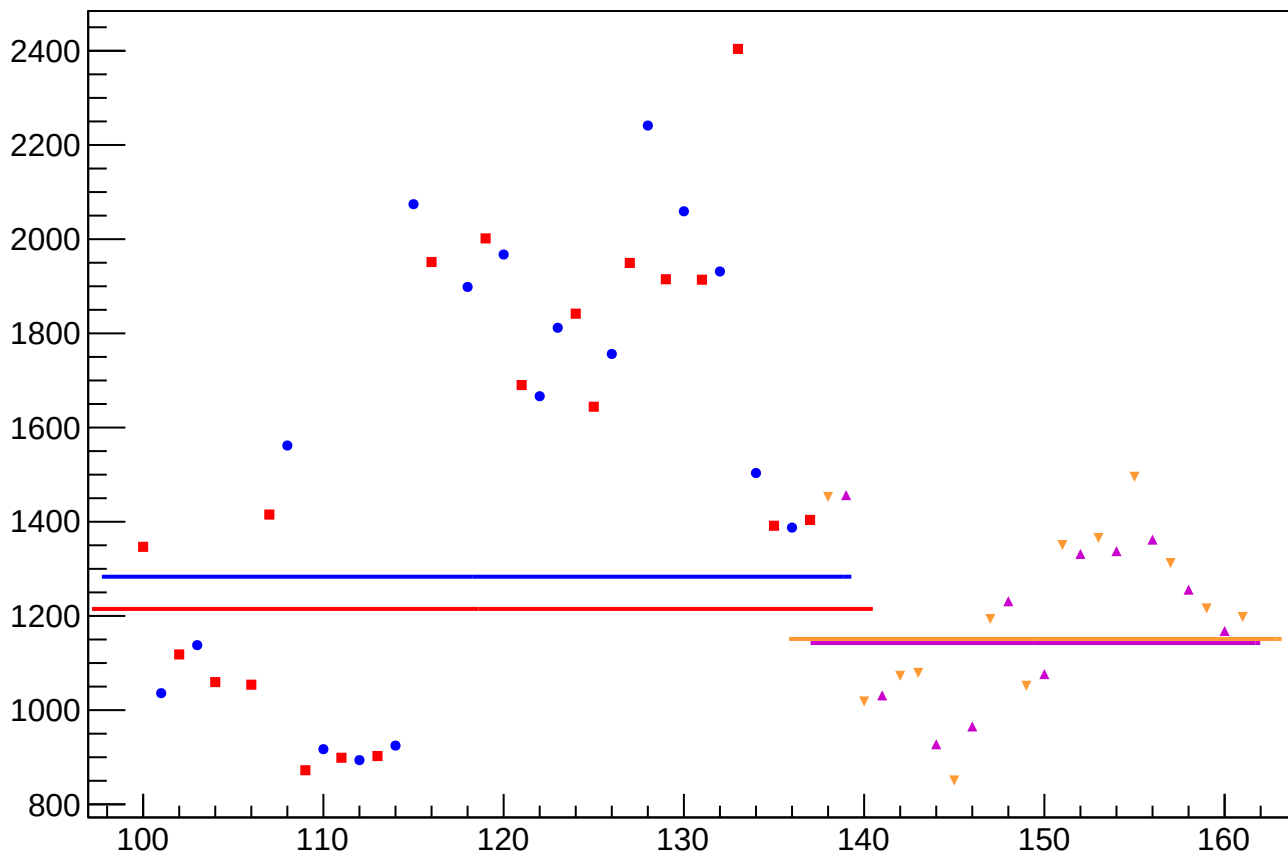
Left In: 574.468 ± 386.164 χ^2/NDF : 5.1/10

-1397.688 ± 304.416 χ^2/NDF : 55.3/29

-320.428 ± 214.079 χ^2/NDF : 95.8/59

733.623 ± 301.119 χ^2/NDF : 15.8/29

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: 1151.160 $\pm$ 0.265 χ^2/NDF : 493898.7/12

Right Out: 1214.883 $\pm$ 0.340 χ^2/NDF : 1360860.3/18

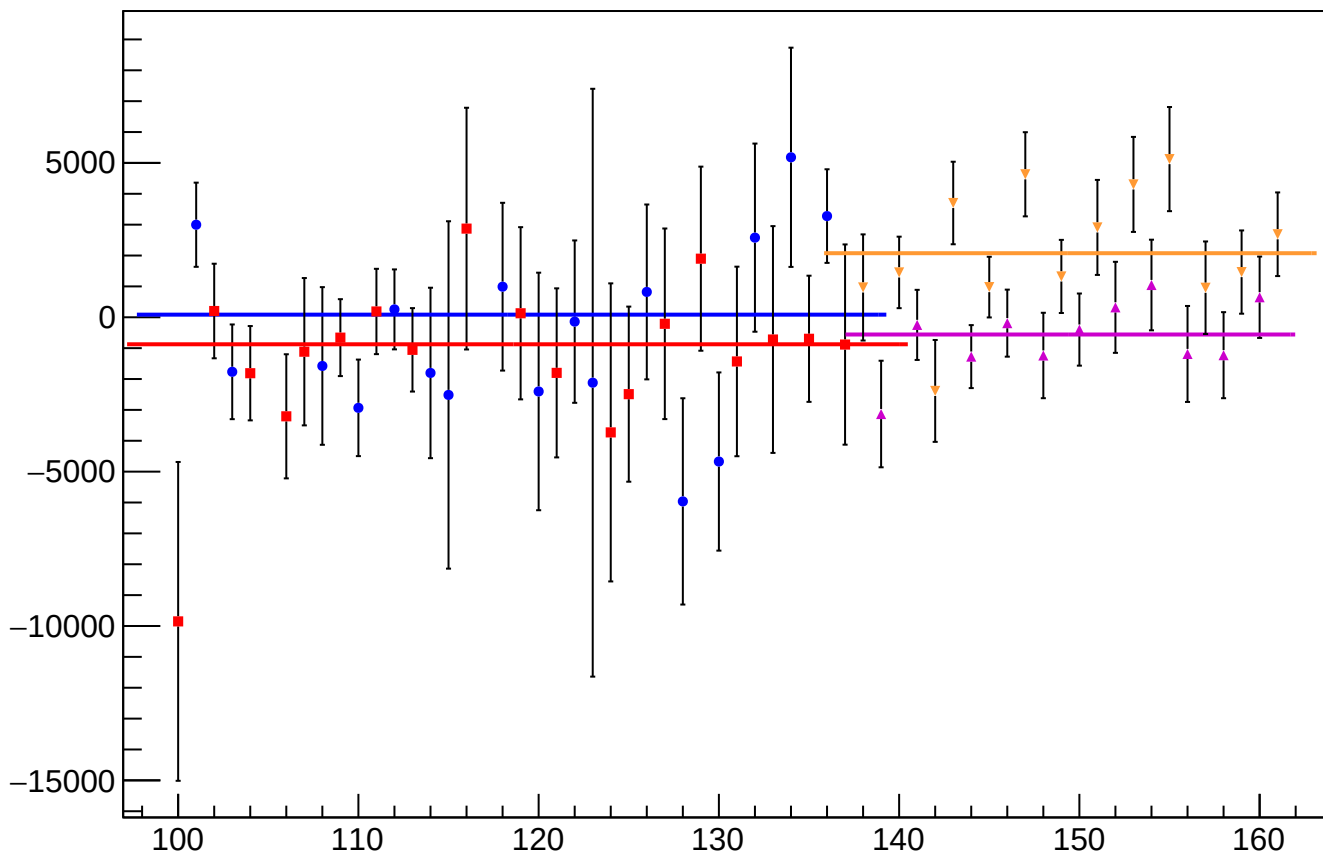
Left In: 1142.515 $\pm$ 0.273 χ^2/NDF : 369327.0/10

1195.819 $\pm$ 0.215 χ^2/NDF : 1747665.1/29

1183.214 $\pm$ 0.151 χ^2/NDF : 3512167.9/59

1170.880 $\pm$ 0.213 χ^2/NDF : 1757718.4/29

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 $\pm$ 527.082 χ^2/NDF : 24.7/16

Left Out: 2075.484 $\pm$ 377.068 χ^2/NDF : 21.3/12

Right Out: -874.592 $\pm$ 484.647 χ^2/NDF : 8.7/18

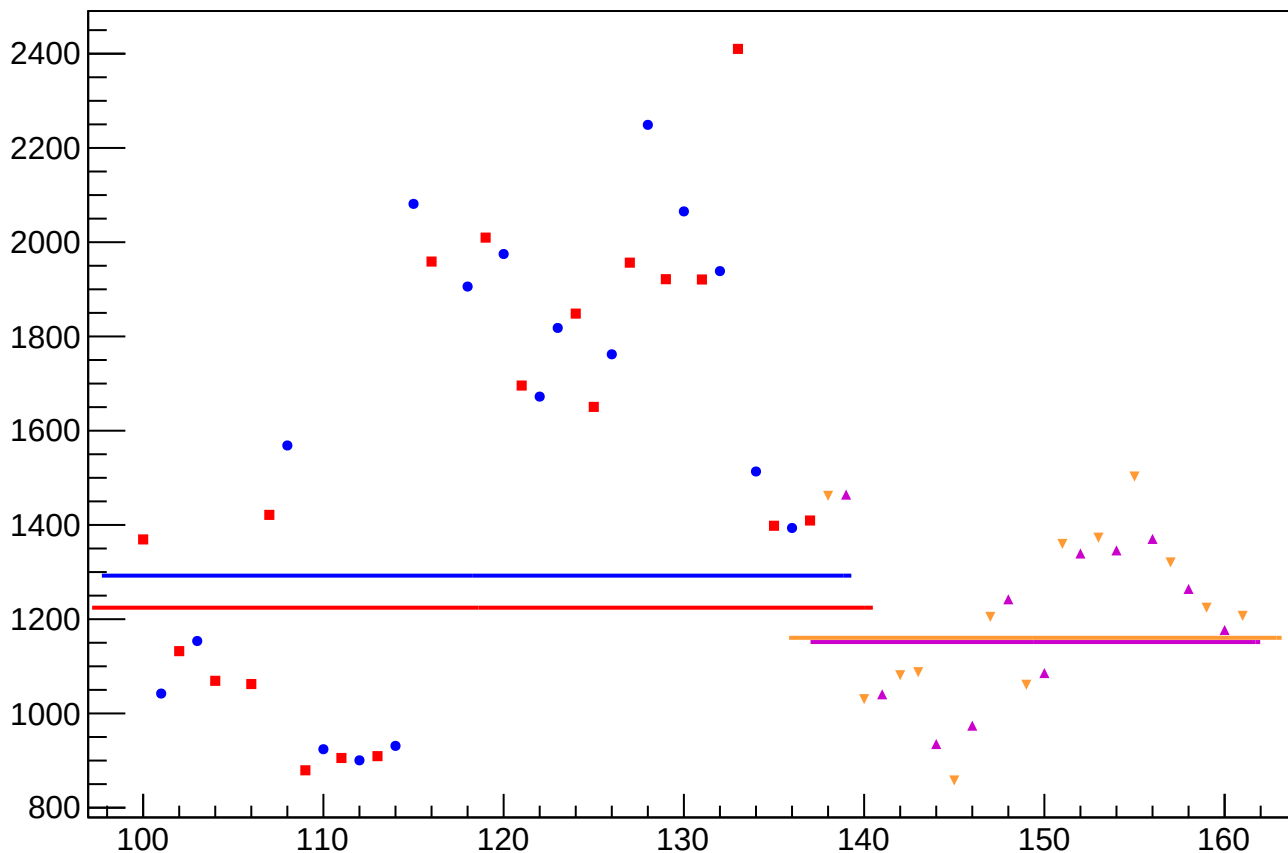
Left In: -557.911 $\pm$ 389.124 χ^2/NDF : 6.0/10

1401.678 $\pm$ 306.673 χ^2/NDF : 55.4/29

348.727 $\pm$ 215.693 χ^2/NDF : 93.6/59

-682.040 $\pm$ 303.425 χ^2/NDF : 14.9/29

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 +/- 0.373 χ^2/NDF : 1156576.0/16

Left Out: 1160.499 +/- 0.267 χ^2/NDF : 486960.1/12

Right Out: 1224.429 +/- 0.343 χ^2/NDF : 1345748.2/18

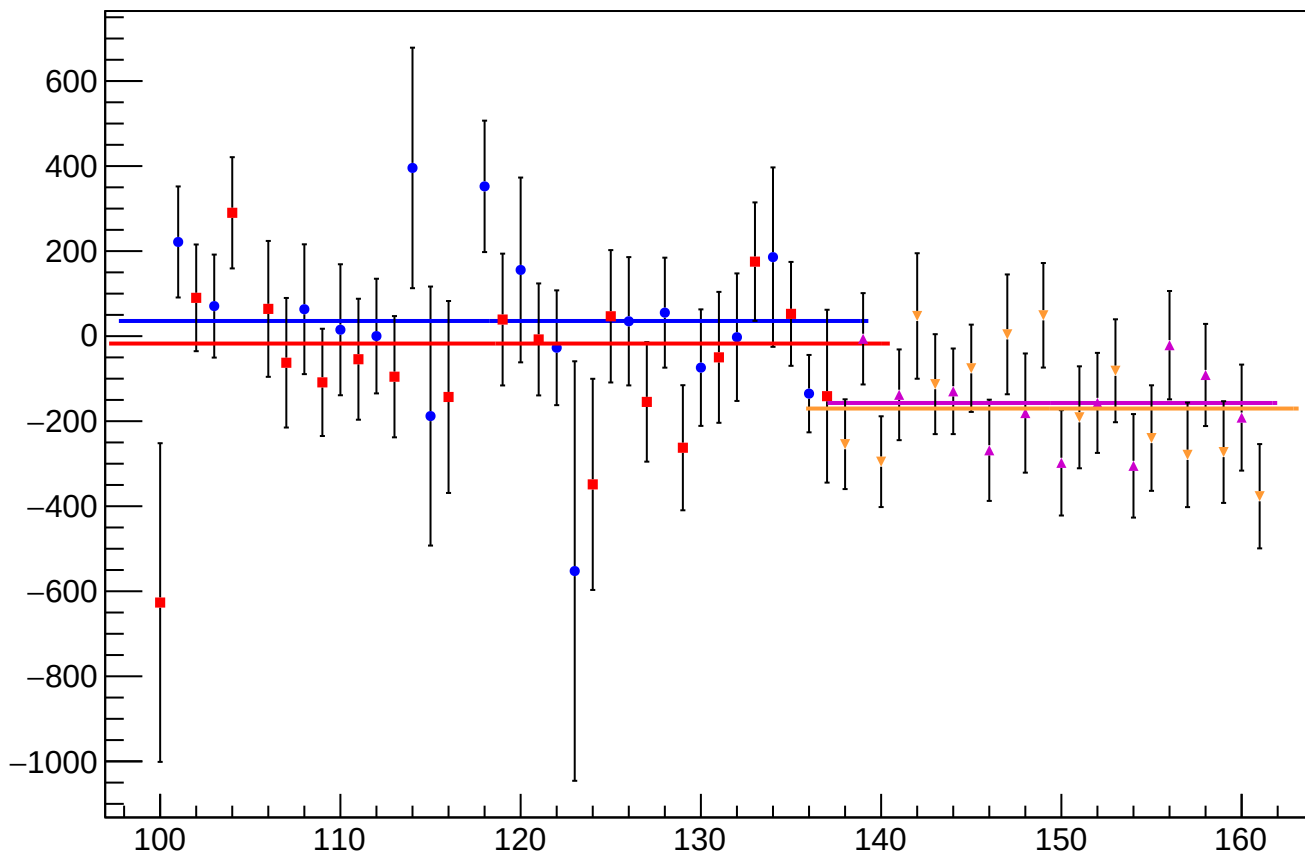
Left In: 1151.492 +/- 0.275 χ^2/NDF : 364236.5/10

1205.160 +/- 0.217 χ^2/NDF : 1726416.1/29

1192.487 +/- 0.153 χ^2/NDF : 3470701.4/59

1180.081 +/- 0.215 χ^2/NDF : 1737526.9/29

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -170.268+/-33.105 χ^2/NDF : 15.2/12

Right Out: -17.418+/-34.691 χ^2/NDF : 18.9/18

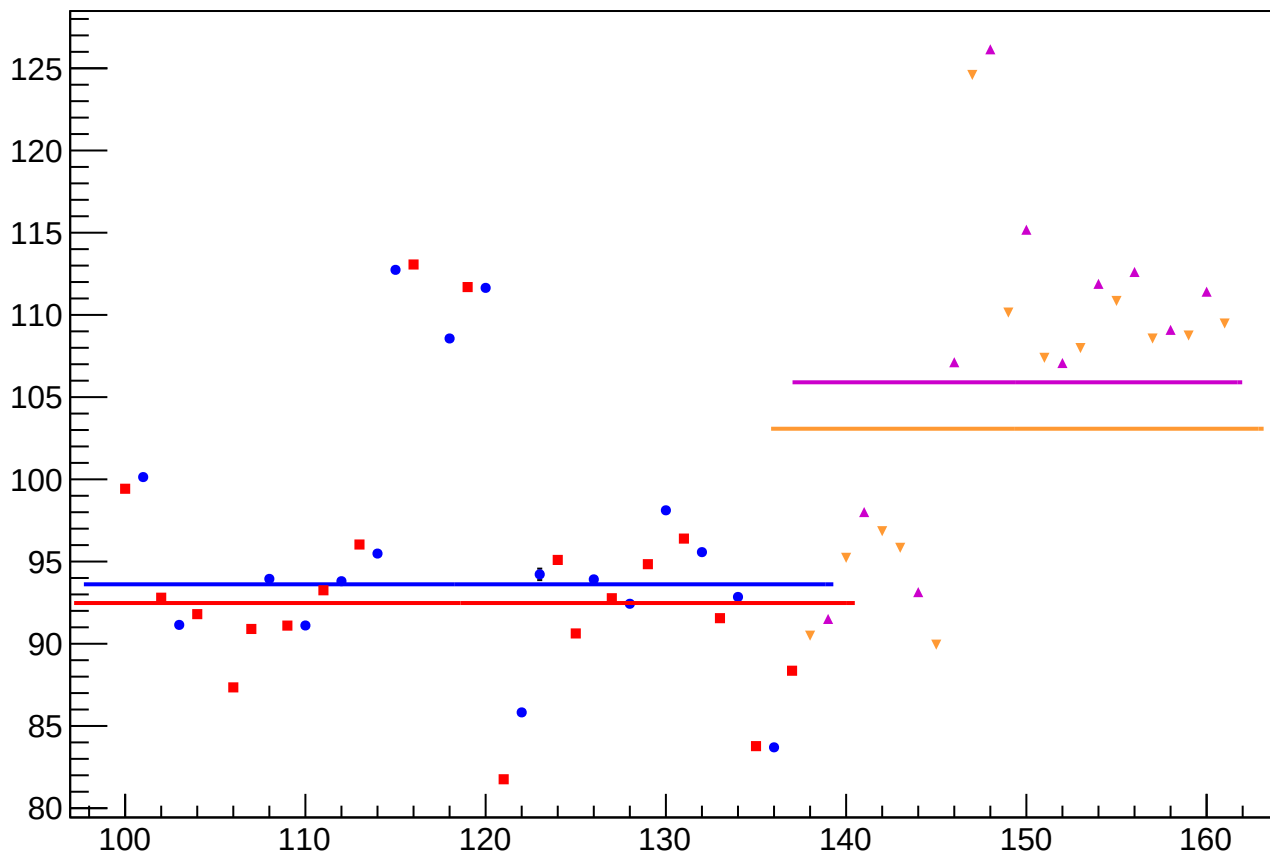
Left In: -157.168+/-35.472 χ^2/NDF : 7.3/10

-76.896+/-24.476 χ^2/NDF : 48.0/29

-81.259+/-17.421 χ^2/NDF : 82.2/59

-85.738+/-24.802 χ^2/NDF : 34.1/29

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616 +/- 0.026 χ^2/NDF : 79928.5/16

Left Out: 103.077 +/- 0.023 χ^2/NDF : 164010.1/12

Right Out: 92.477 +/- 0.025 χ^2/NDF : 78591.0/18

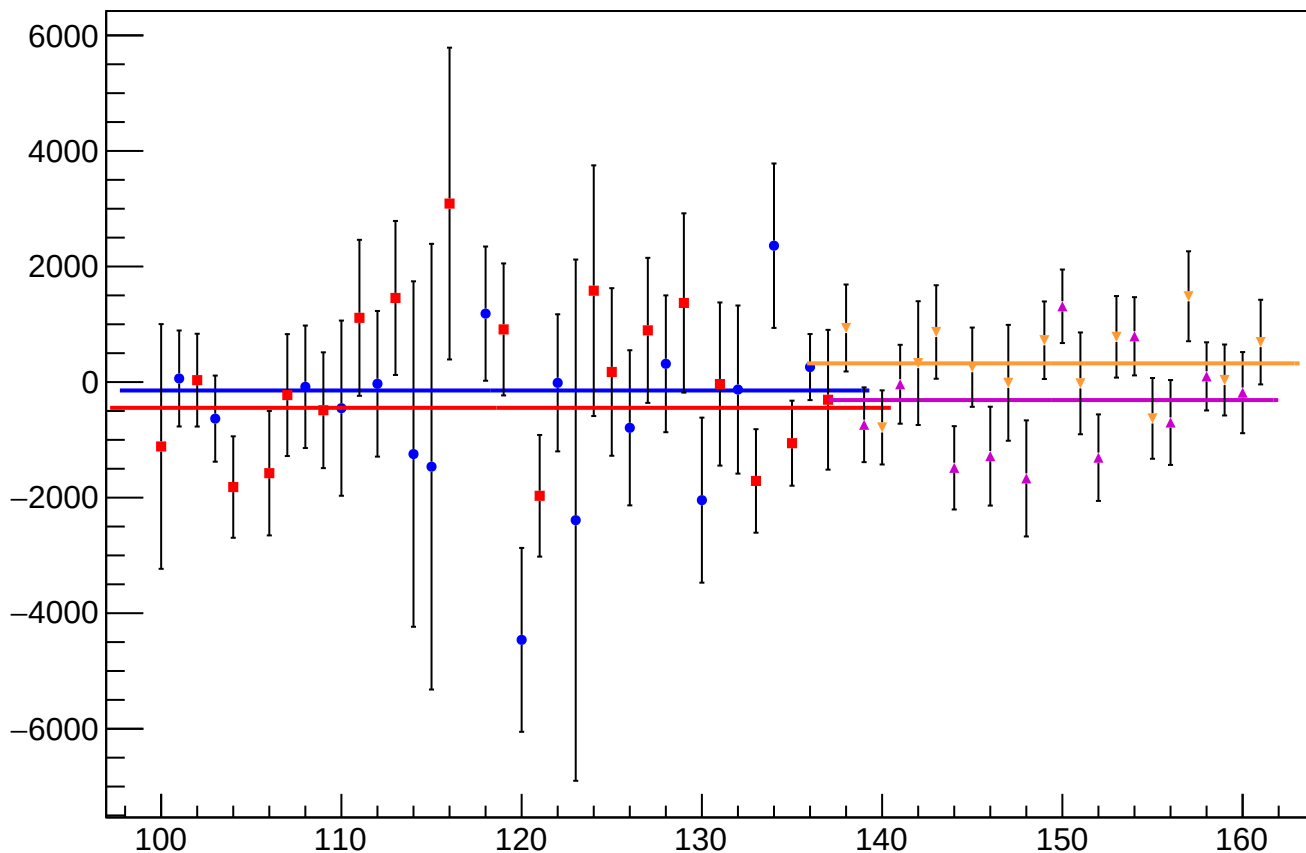
Left In: 105.902 +/- 0.025 χ^2/NDF : 148064.1/10

98.788 +/- 0.017 χ^2/NDF : 318003.1/29

98.912 +/- 0.012 χ^2/NDF : 691179.1/59

99.040 +/- 0.018 χ^2/NDF : 373071.1/29

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 $\pm$ 276.629 χ^2 /NDF: 15.5/16

Left Out: 323.843 $\pm$ 206.517 χ^2 /NDF: 9.7/12

Right Out: -445.575 $\pm$ 260.276 χ^2 /NDF: 19.0/18

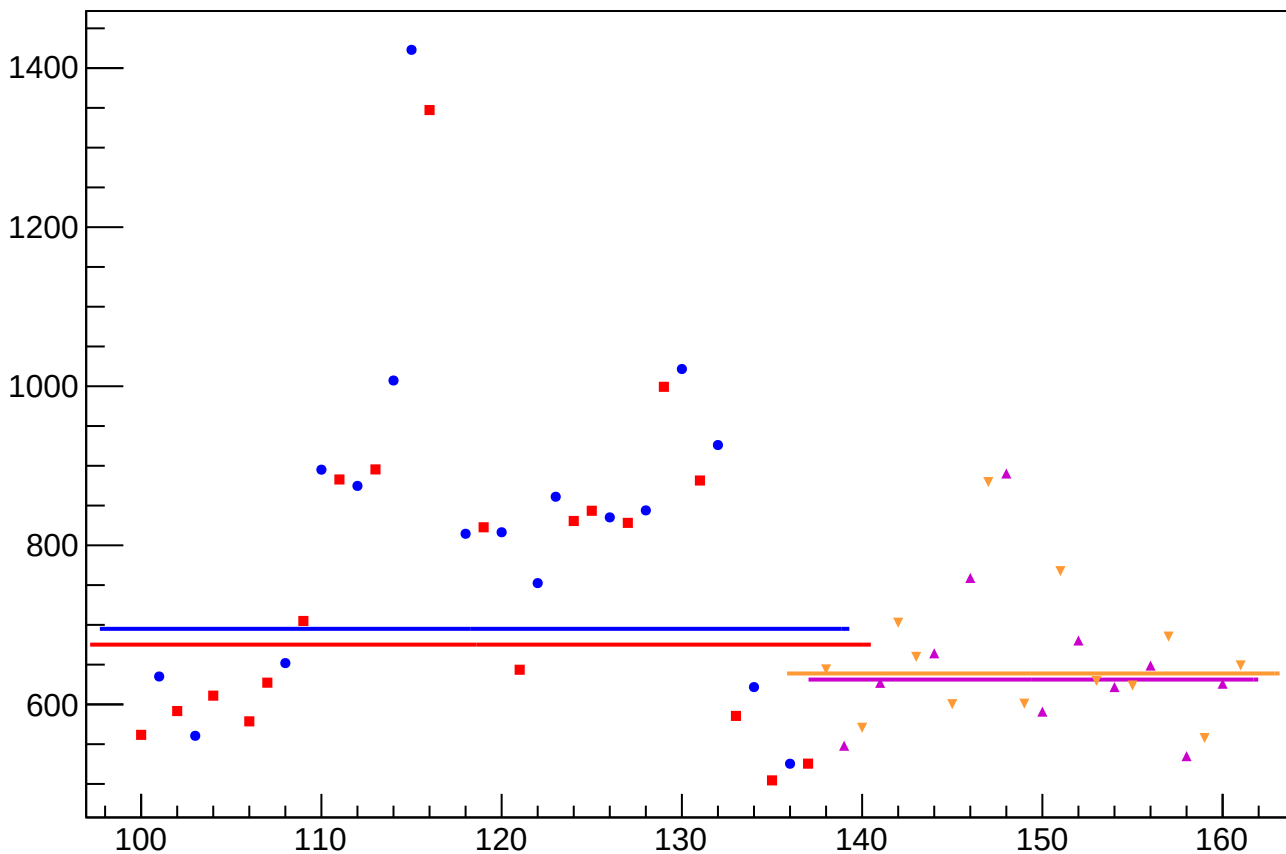
Left In: -311.355 $\pm$ 213.139 χ^2 /NDF: 18.1/10

155.889 $\pm$ 165.487 χ^2 /NDF: 27.0/29

-105.594 $\pm$ 116.810 χ^2 /NDF: 69.2/59

-365.233 $\pm$ 164.902 χ^2 /NDF: 37.2/29

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 638.882 $\pm$ 0.146 χ^2 /NDF: 245482.0/12

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

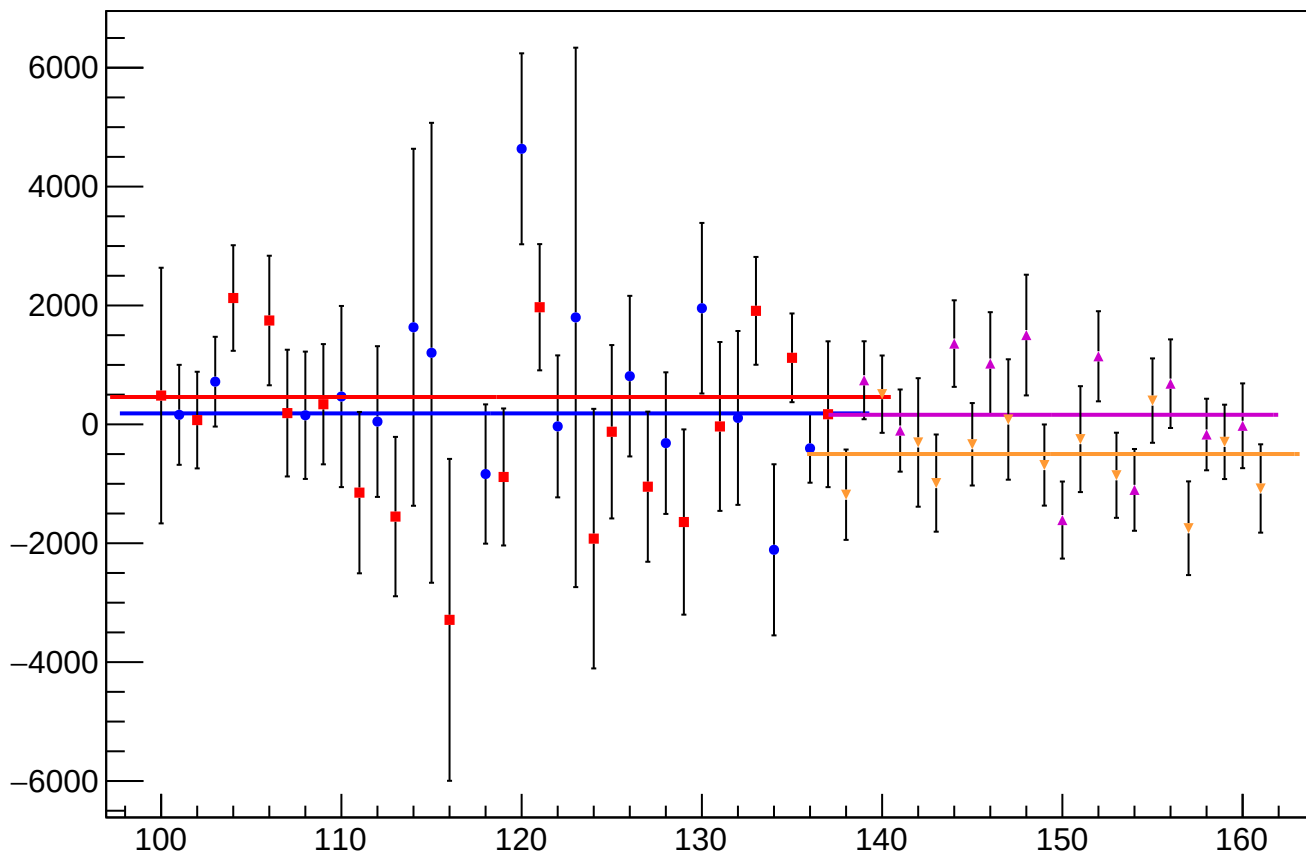
Left In: 631.224 $\pm$ 0.151 χ^2 /NDF: 286603.3/10

658.971 $\pm$ 0.117 χ^2 /NDF: 976071.7/29

653.896 $\pm$ 0.083 χ^2 /NDF: 1976917.9/59

648.856 $\pm$ 0.117 χ^2 /NDF: 997097.6/29

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518+/-279.390 χ^2/NDF : 14.9/16

Left Out: -498.784+/-209.357 χ^2/NDF : 9.2/12

Right Out: 460.174+/-262.960 χ^2/NDF : 22.3/18

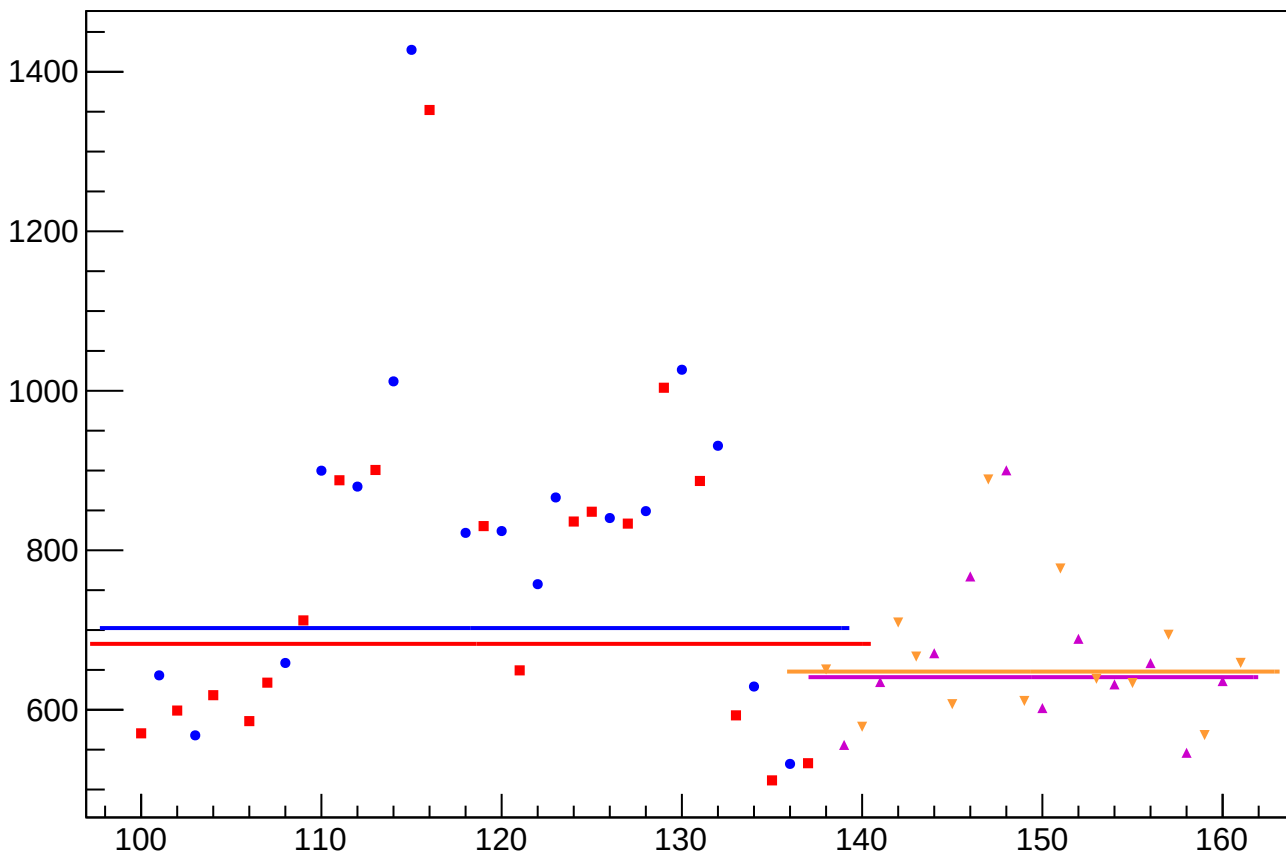
Left In: 161.002+/-216.313 χ^2/NDF : 19.8/10

-253.074+/-167.539 χ^2/NDF : 28.0/29

15.110+/-118.296 χ^2/NDF : 75.9/59

281.744+/-167.054 χ^2/NDF : 42.8/29

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 647.908+/-0.148 χ^2/NDF : 239035.6/12

Right Out: 682.662+/-0.186 χ^2/NDF : 659521.7/18

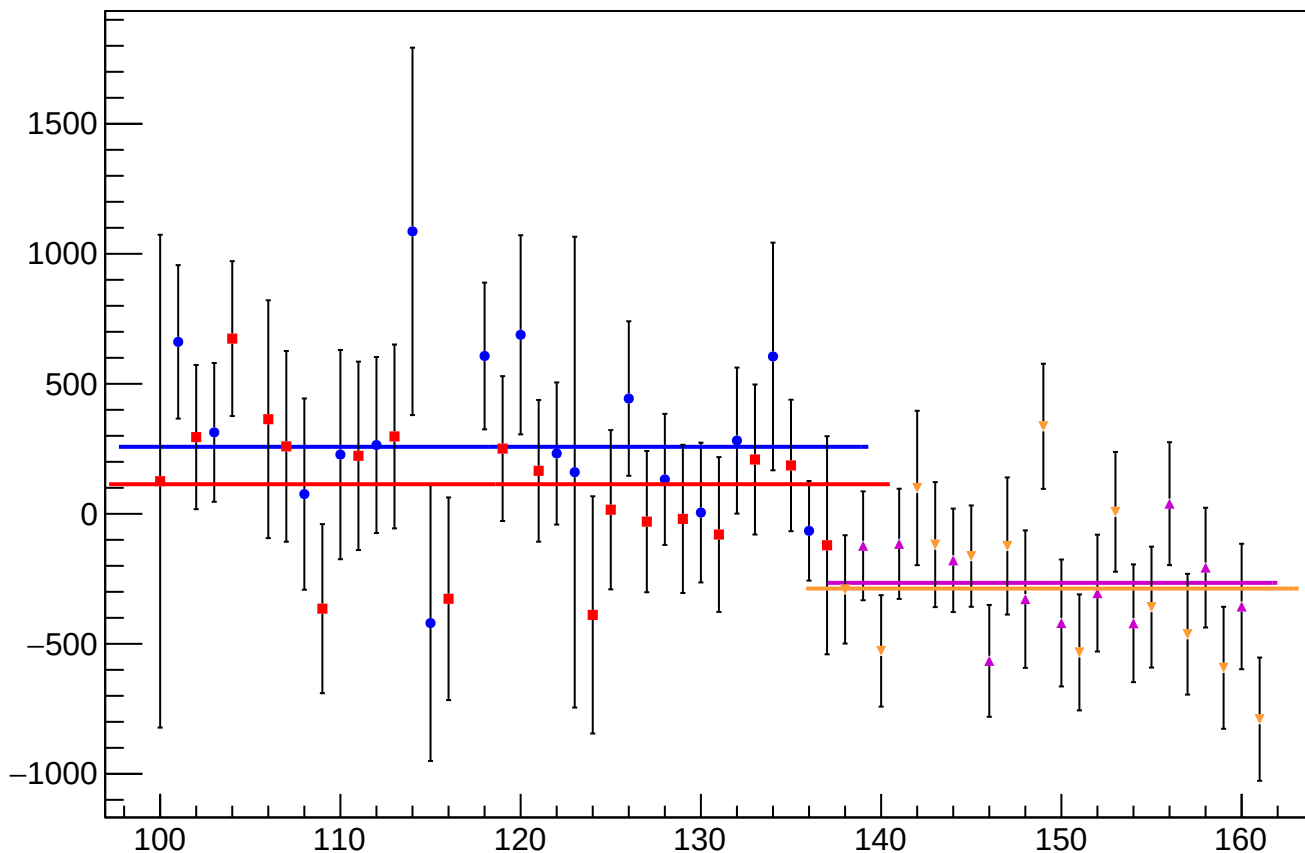
Left In: 640.911+/-0.153 χ^2/NDF : 276710.4/10

667.527+/-0.118 χ^2/NDF : 948407.6/29

662.630+/-0.084 χ^2/NDF : 1918117.2/59

657.761+/-0.118 χ^2/NDF : 966301.6/29

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: -287.380 $\pm$ 64.095 χ^2 /NDF:20.7/12

Right Out: 113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

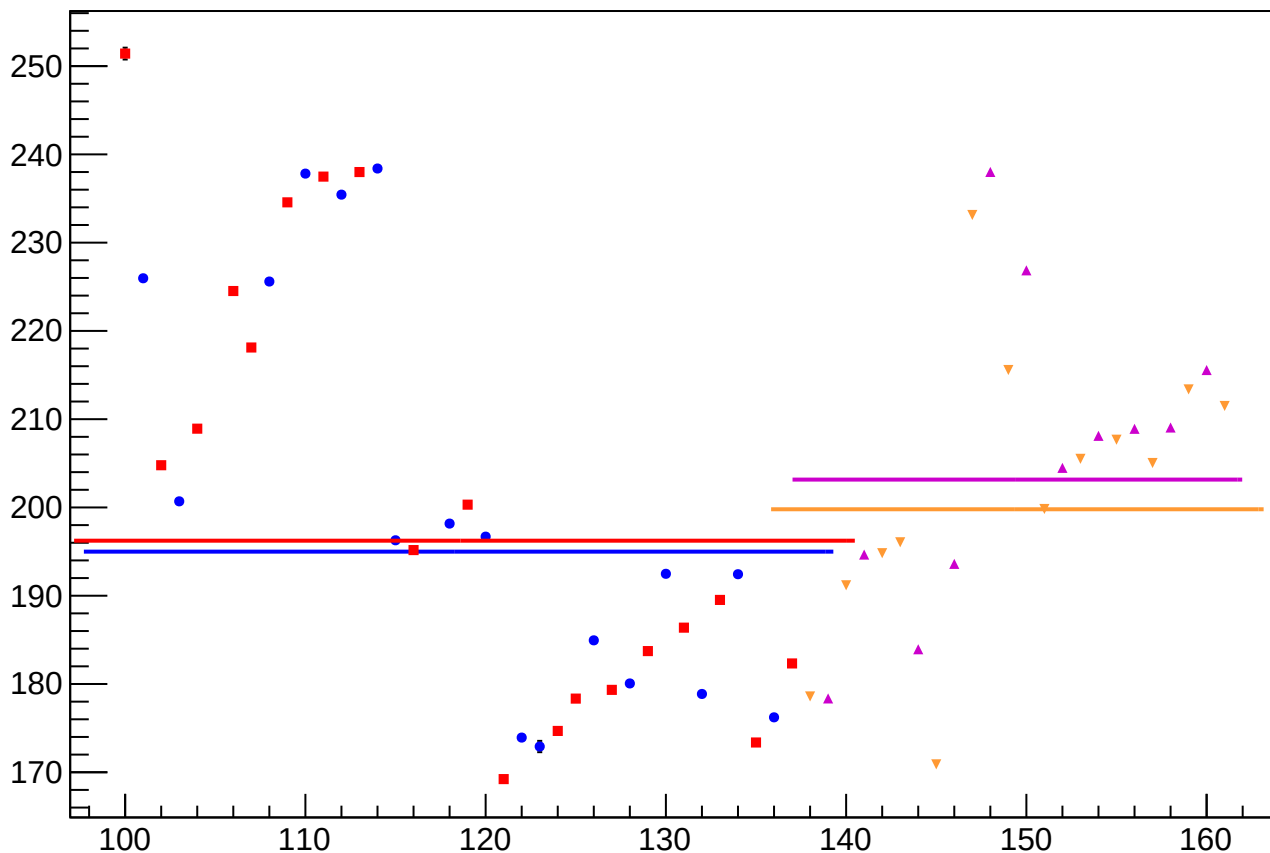
Left In: -265.477 $\pm$ 67.990 χ^2 /NDF:5.9/10

-60.579 $\pm$ 48.978 χ^2 /NDF: 63.8/29

-76.108 $\pm$ 35.033 χ^2 /NDF: 95.3/59

-92.377 $\pm$ 50.131 χ^2 /NDF: 31.4/29

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: 199.794 $\pm$ 0.045 χ^2 /NDF: 125674.3/12

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

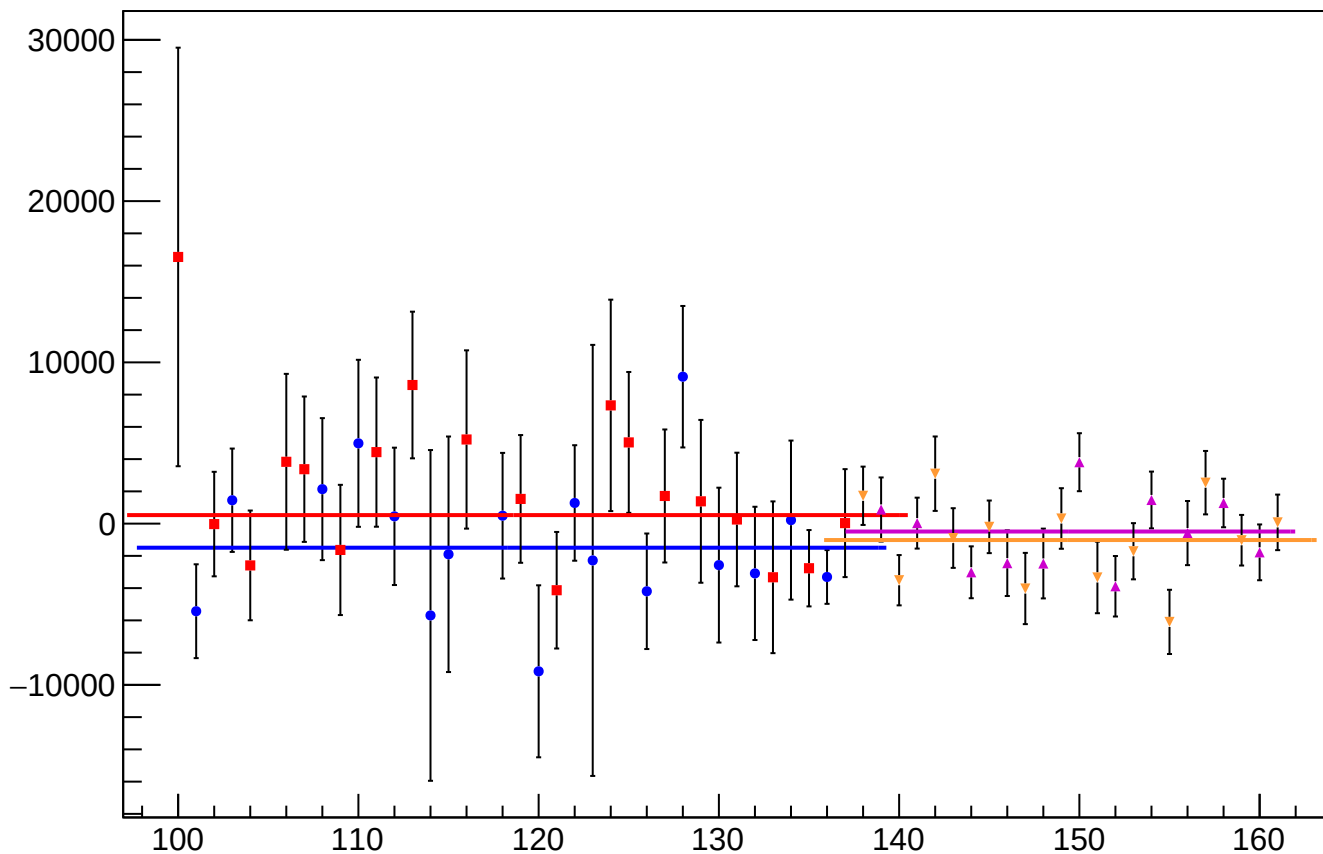
Left In: 203.157 $\pm$ 0.048 χ^2 /NDF: 116314.4/10

197.797 $\pm$ 0.035 χ^2 /NDF: 274612.2/29

198.872 $\pm$ 0.025 χ^2 /NDF: 575849.9/59

199.998 $\pm$ 0.035 χ^2 /NDF: 299265.4/29

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: -1018.064 $\pm$ 509.814 χ^2/NDF : 22.1/12

Right Out: 528.758 $\pm$ 934.718 χ^2/NDF : 14.6/18

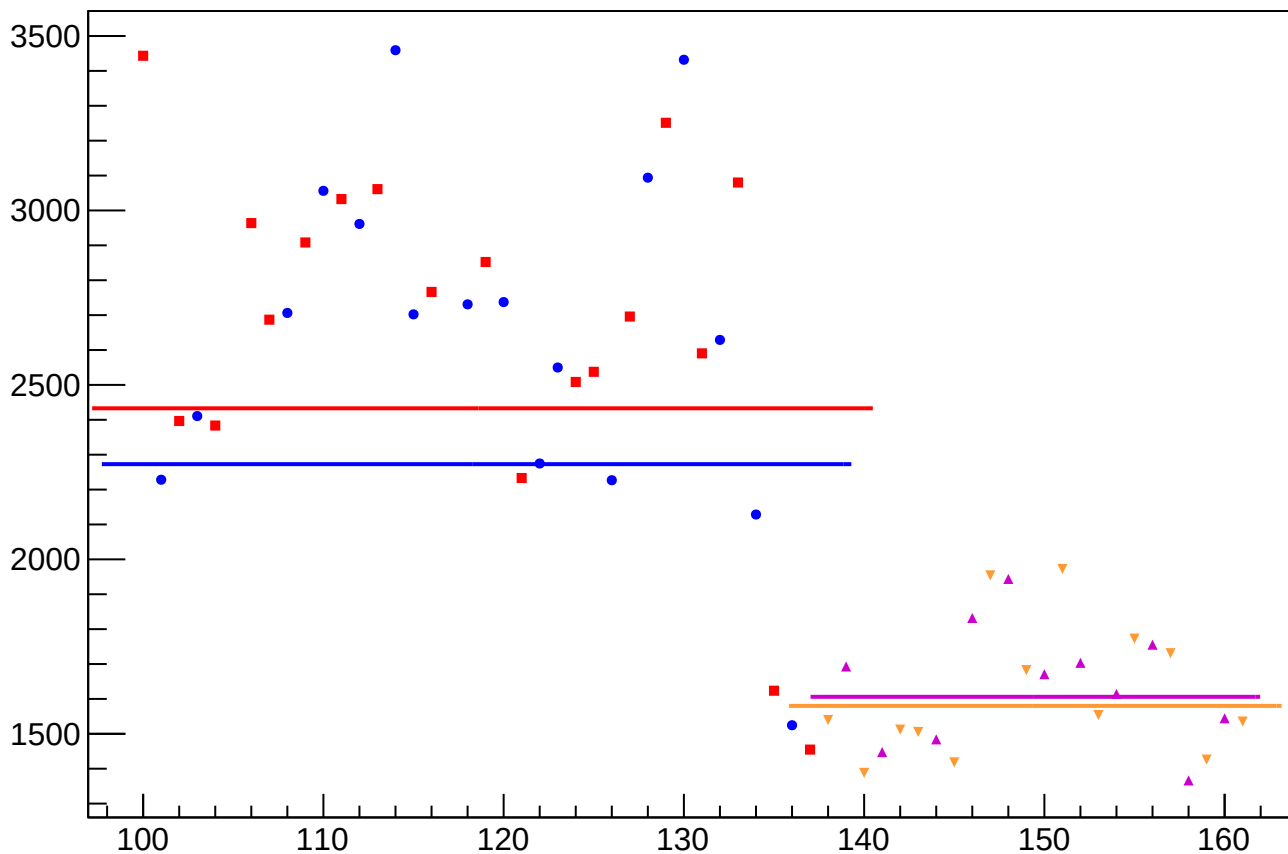
Left In: -489.549 $\pm$ 539.219 χ^2/NDF : 17.0/10

-1131.428 $\pm$ 444.868 χ^2/NDF : 38.4/29

-705.163 $\pm$ 322.133 χ^2/NDF : 72.9/59

-235.284 $\pm$ 467.073 χ^2/NDF : 32.5/29

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883 $\pm$ 0.644 χ^2/NDF : 805650.3/16

Left Out: 1580.035 $\pm$ 0.360 χ^2/NDF : 233432.8/12

Right Out: 2432.950 $\pm$ 0.661 χ^2/NDF : 680783.9/18

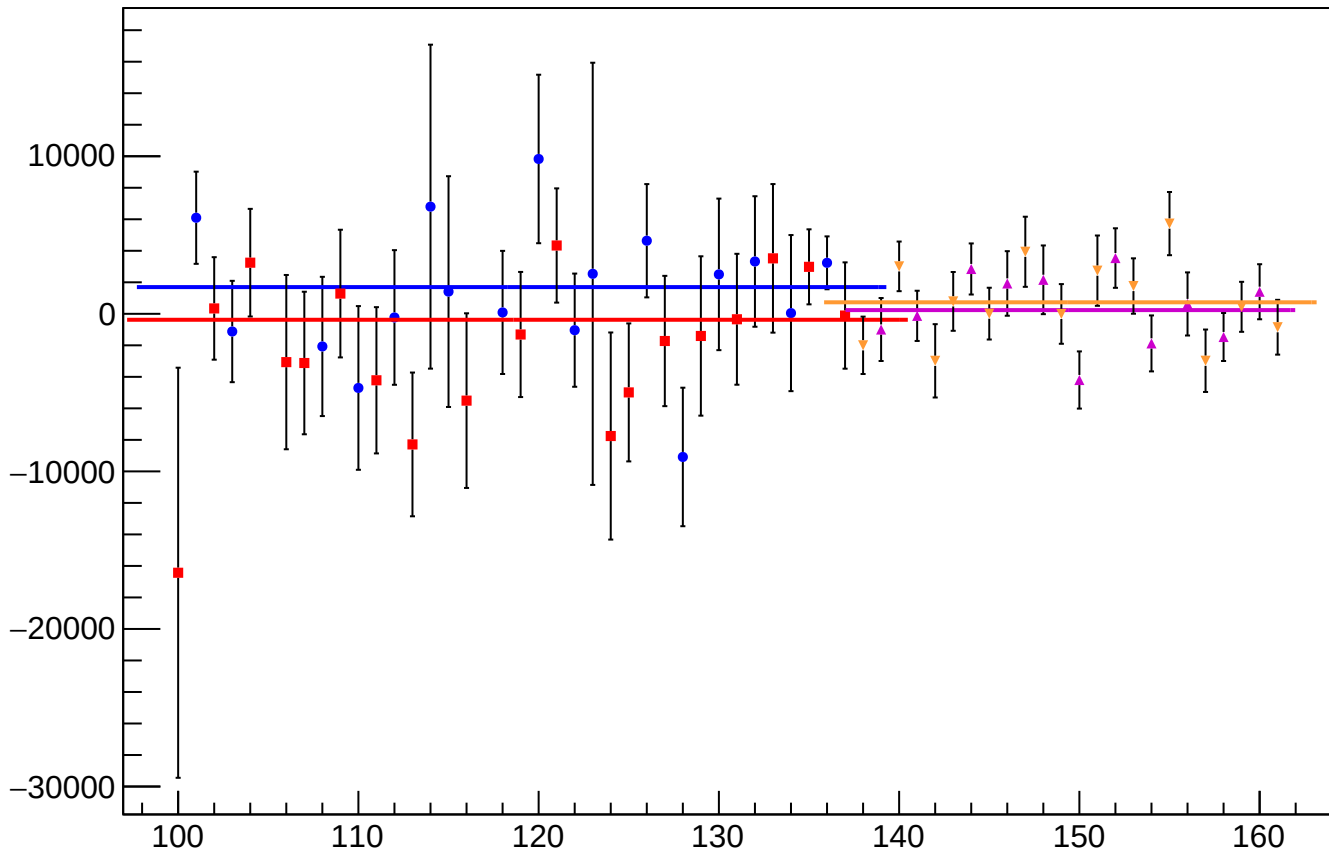
Left In: 1606.050 $\pm$ 0.381 χ^2/NDF : 181367.5/10

1745.316 $\pm$ 0.315 χ^2/NDF : 1920269.3/29

1777.284 $\pm$ 0.228 χ^2/NDF : 3978524.4/59

1812.522 $\pm$ 0.330 χ^2/NDF : 2036544.0/29

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 ± 914.855 $\chi^2/\text{NDF}: 16.6/16$

Left Out: 730.866 ± 514.070 $\chi^2/\text{NDF}: 21.0/12$

Right Out: -377.629 ± 938.528 $\chi^2/\text{NDF}: 15.0/18$

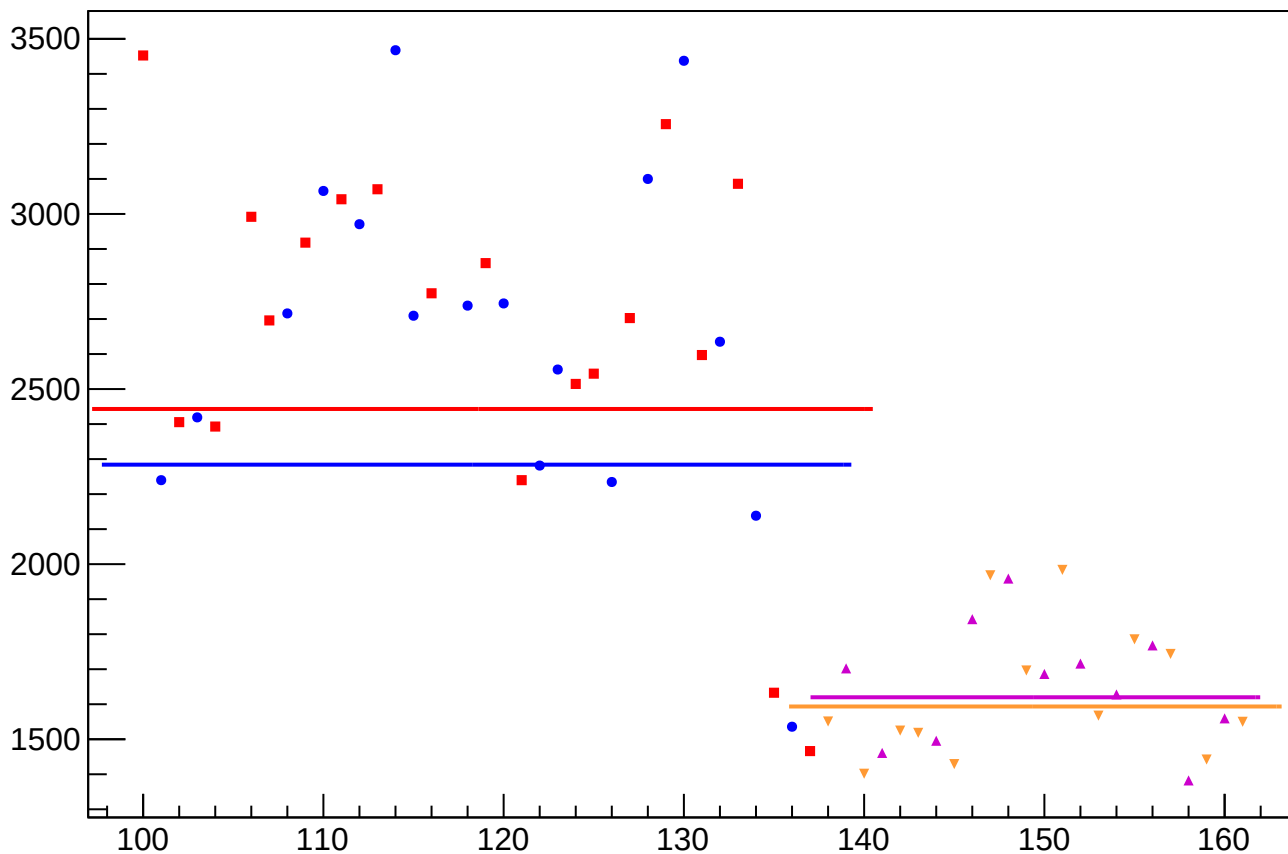
Left In: 235.996 ± 543.761 $\chi^2/\text{NDF}: 16.7/10$

962.464 ± 448.163 $\chi^2/\text{NDF}: 38.5/29$

543.522 ± 324.508 $\chi^2/\text{NDF}: 72.3/59$

81.782 ± 470.498 $\chi^2/\text{NDF}: 32.0/29$

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 ± 0.647 $\chi^2/\text{NDF}: 793993.4/16$

Left Out: 1593.536 ± 0.364 $\chi^2/\text{NDF}: 229307.2/12$

Right Out: 2443.124 ± 0.664 $\chi^2/\text{NDF}: 672899.9/18$

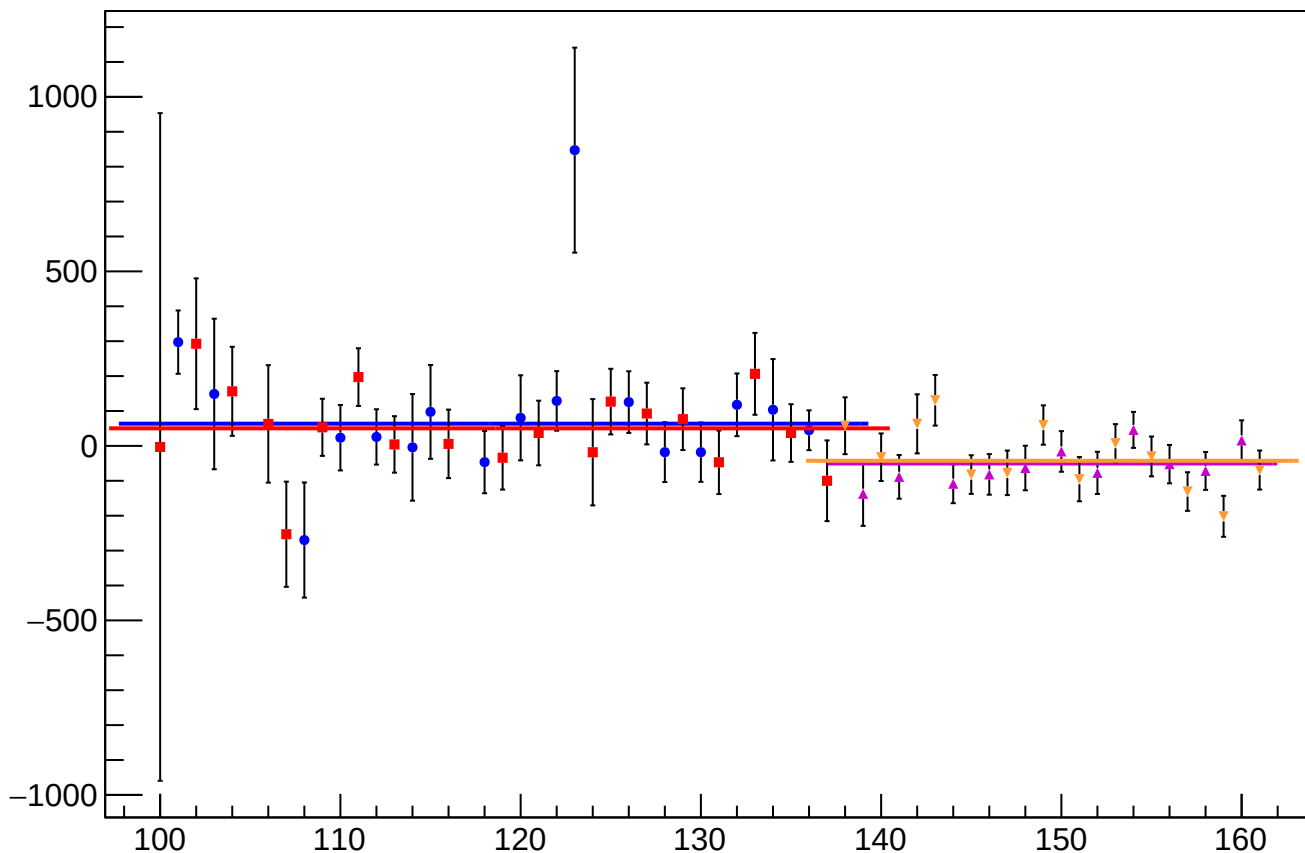
Left In: 1619.870 ± 0.384 $\chi^2/\text{NDF}: 176912.1/10$

1759.255 ± 0.317 $\chi^2/\text{NDF}: 1889395.4/29$

1791.371 ± 0.229 $\chi^2/\text{NDF}: 3912927.0/59$

1826.767 ± 0.333 $\chi^2/\text{NDF}: 2001941.4/29$

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: -42.658 $\pm$ 17.127 χ^2 /NDF: 24.6/12

Right Out: 50.278 $\pm$ 23.661 χ^2 /NDF: 16.8/18

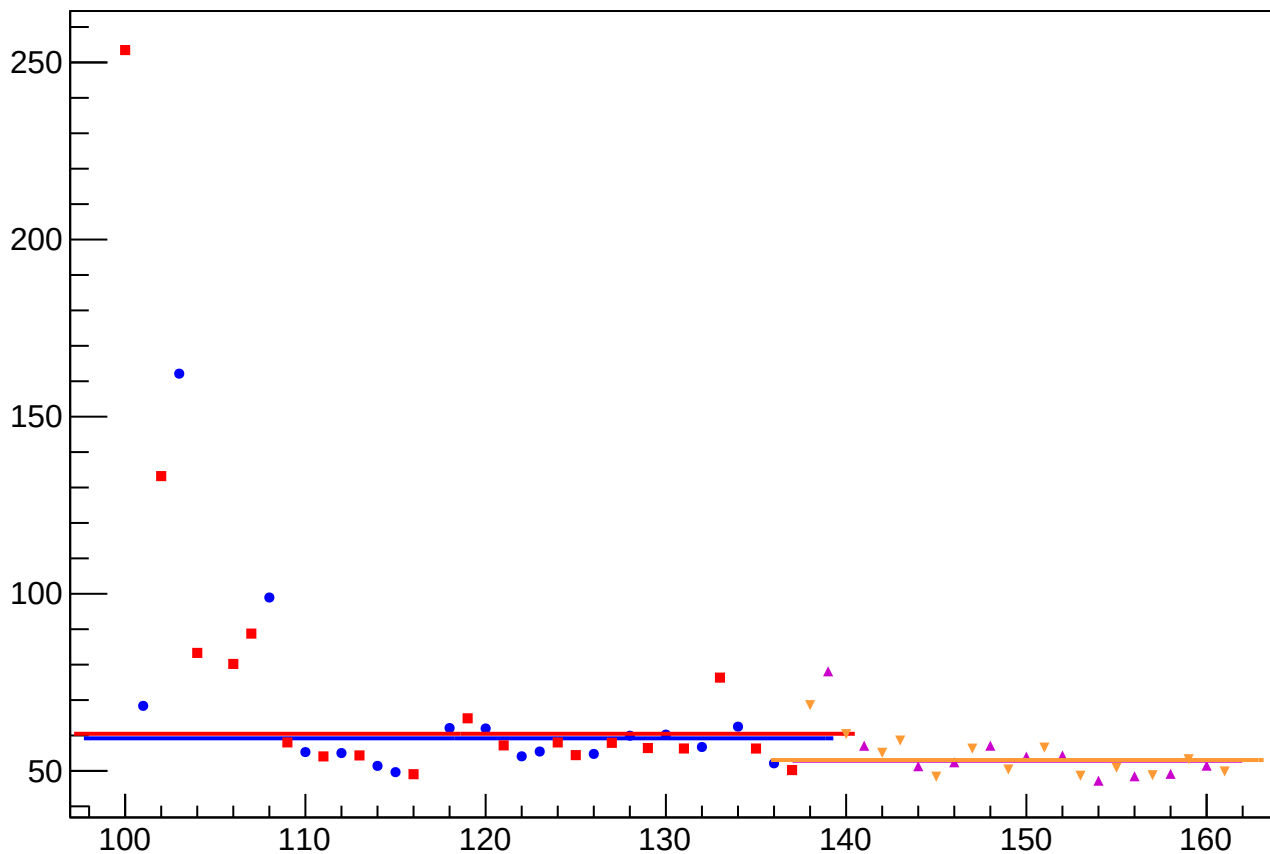
Left In: -50.418 $\pm$ 17.807 χ^2 /NDF: 8.2/10

-6.267 $\pm$ 13.890 χ^2 /NDF: 61.5/29

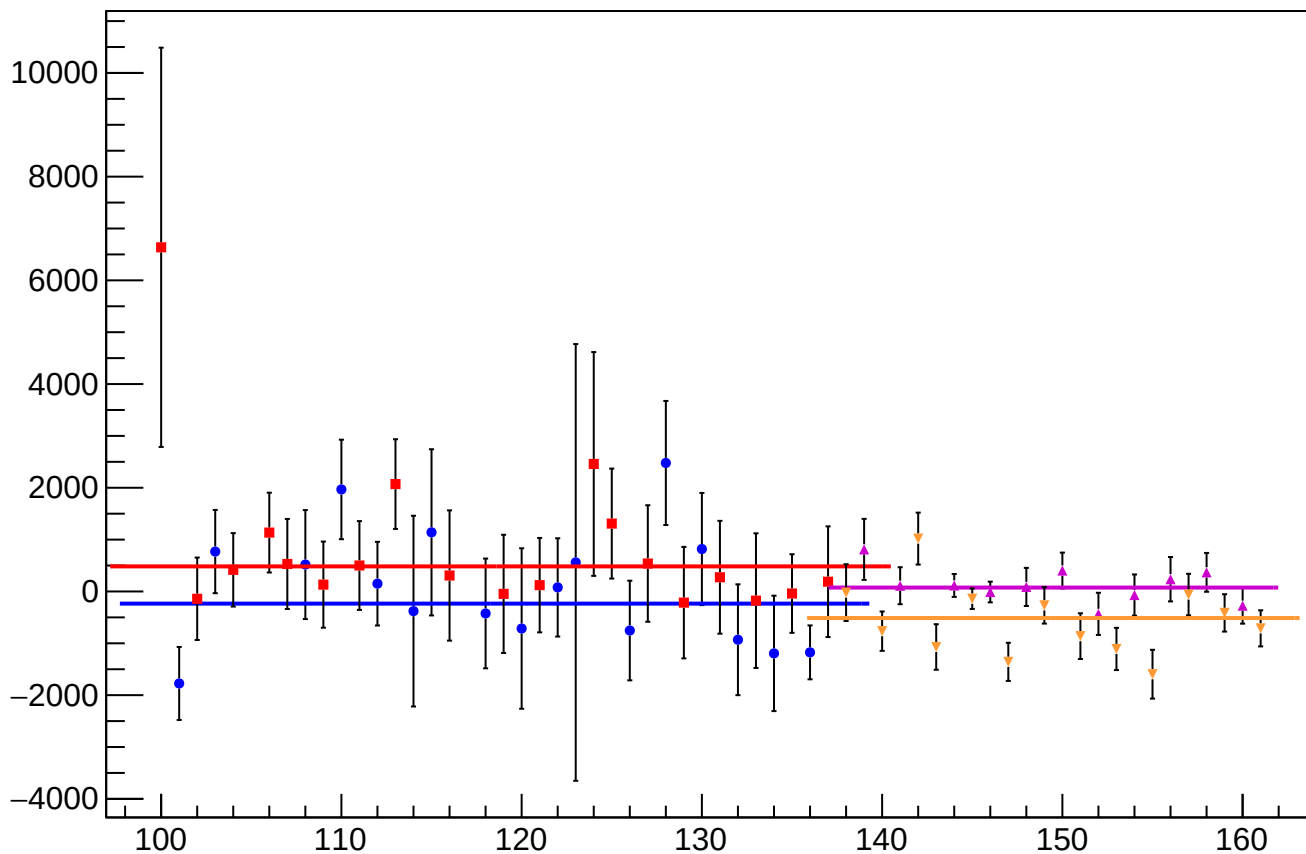
-10.044 $\pm$ 9.939 χ^2 /NDF: 98.2/59

-14.007 $\pm$ 14.228 χ^2 /NDF: 36.6/29

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -512.456 ± 100.844 χ^2/NDF : 31.3/12

Right Out: 483.305 ± 222.314 χ^2/NDF : 10.6/18

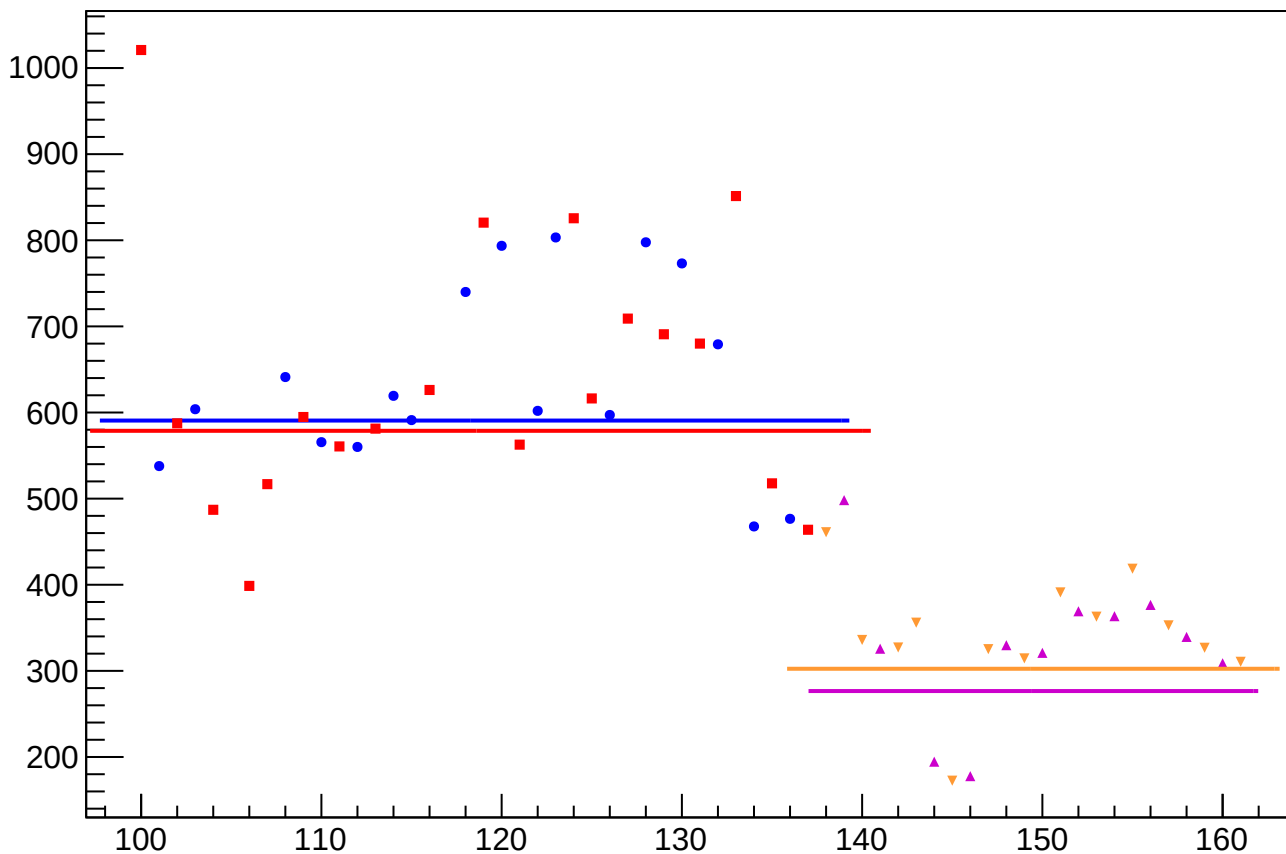
Left In: 74.984 ± 97.355 χ^2/NDF : 6.2/10

-468.880 ± 92.603 χ^2/NDF : 56.7/29

-152.619 ± 64.235 χ^2/NDF : 98.7/59

140.688 ± 89.179 χ^2/NDF : 19.6/29

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 302.448 $\pm$ 0.071 χ^2 /NDF:1378983.8/12

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

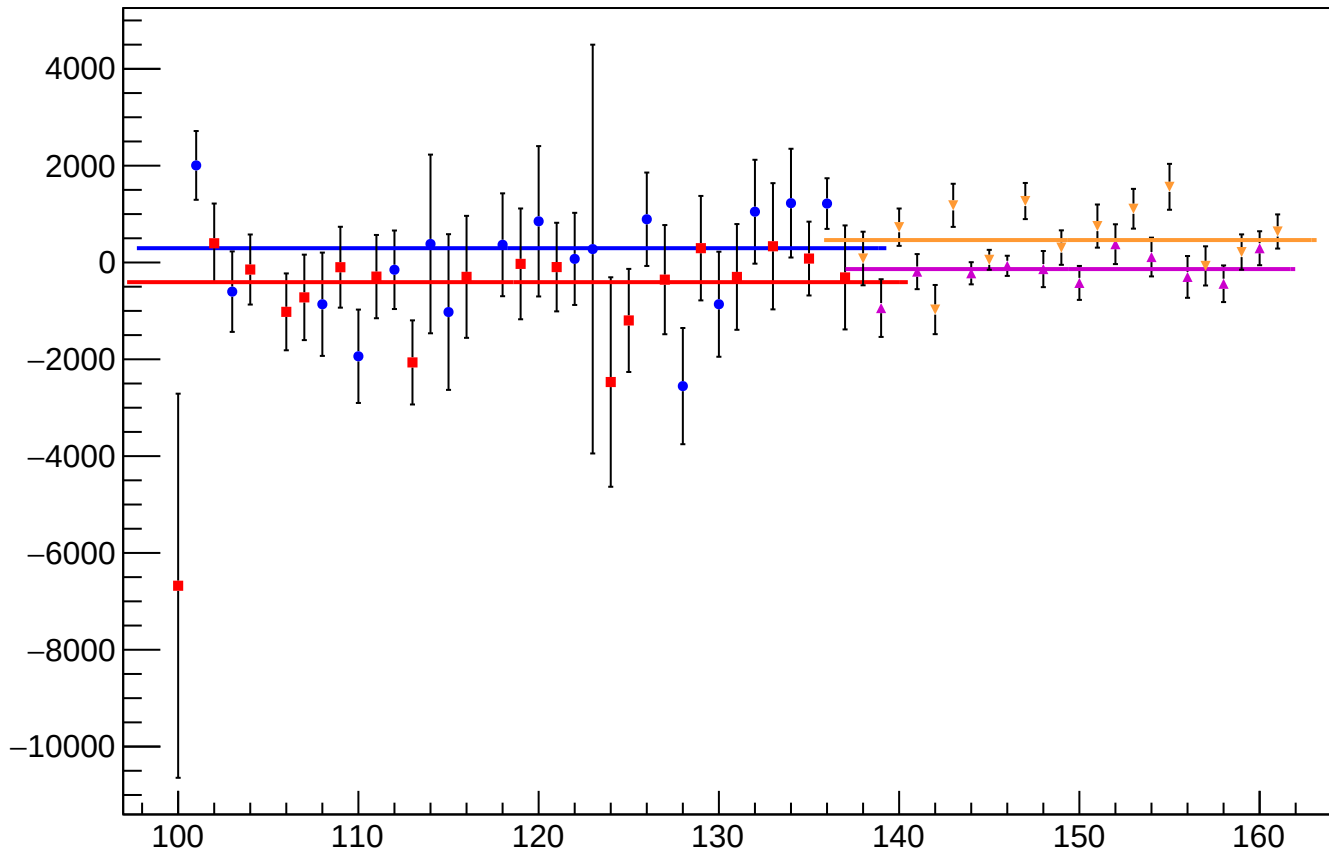
Left In: 276.575 $\pm$ 0.069 χ^2 /NDF:1546083.0/10

347.631 $\pm$ 0.065 χ^2 /NDF: 4292079.8/29

335.993 $\pm$ 0.045 χ^2 /NDF: 9493493.8/59

325.199 $\pm$ 0.063 χ^2 /NDF: 5140528.3/29

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 ± 235.860 χ^2/NDF : 26.1/16

Left Out: 463.247 ± 102.785 χ^2/NDF : 31.1/12

Right Out: -406.158 ± 224.855 χ^2/NDF : 11.0/18

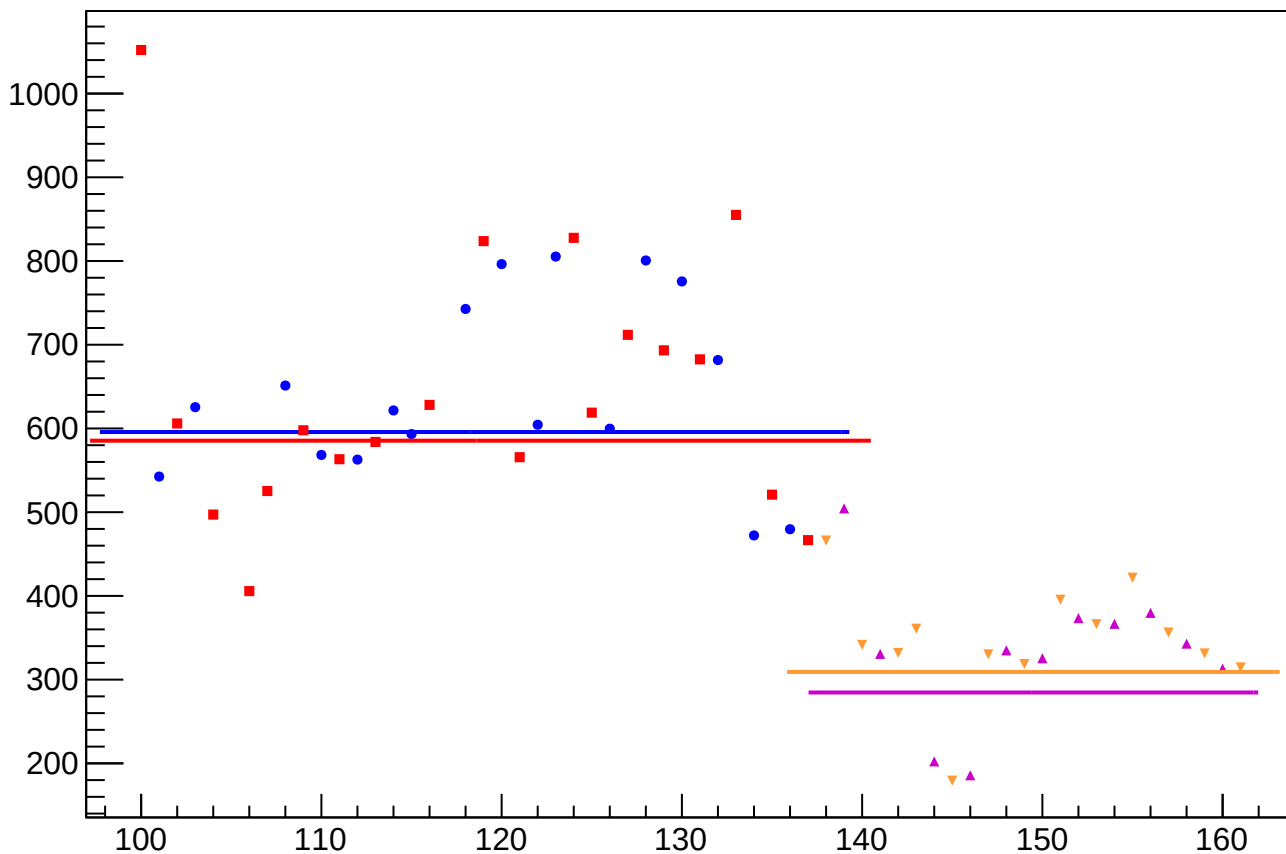
Left In: -136.059 ± 99.738 χ^2/NDF : 7.0/10

436.459 ± 94.227 χ^2/NDF : 57.6/29

117.833 ± 65.521 χ^2/NDF : 98.9/59

-180.464 ± 91.171 χ^2/NDF : 19.2/29

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 +/- 0.167 χ^2/NDF : 350058.2/16

Left Out: 309.205 +/- 0.073 χ^2/NDF : 1271964.8/12

Right Out: 585.421 +/- 0.159 χ^2/NDF : 474472.3/18

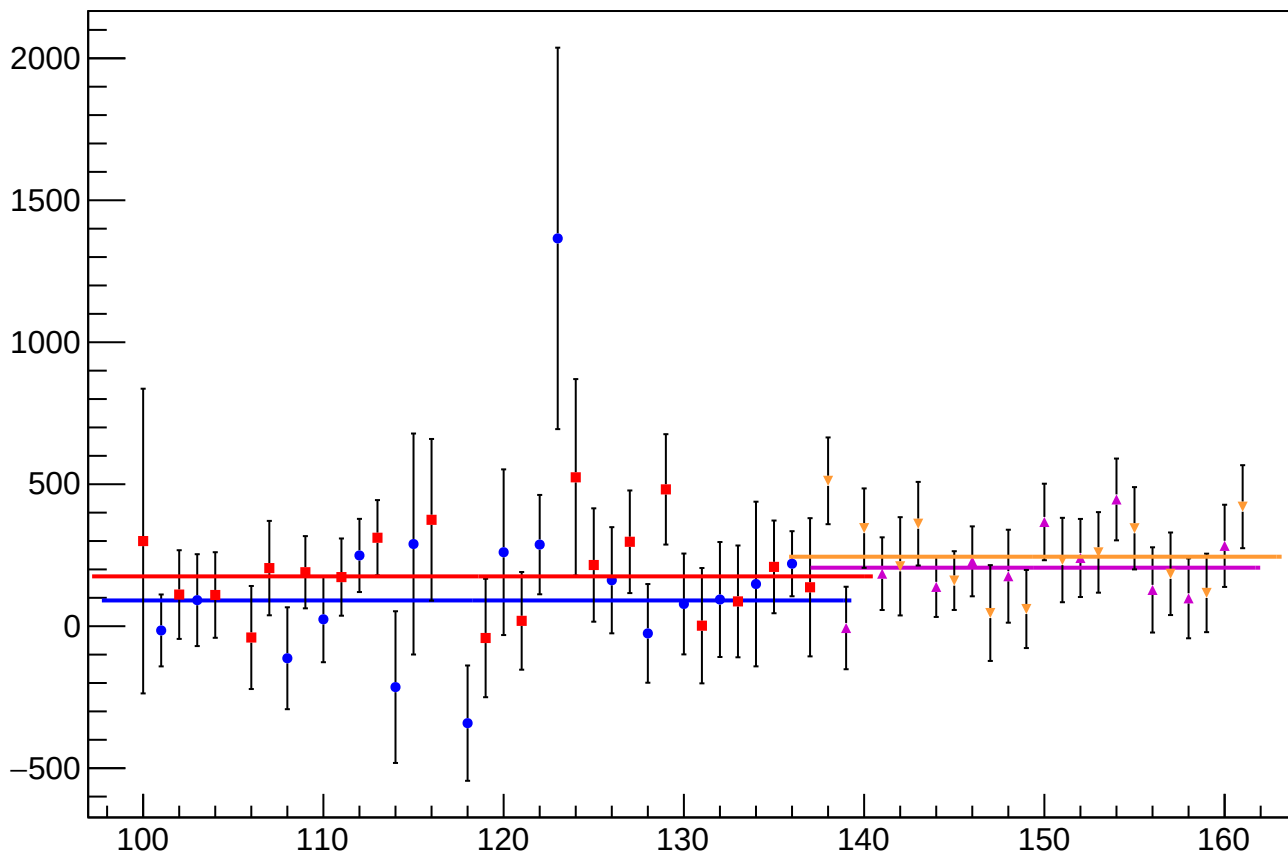
Left In: 284.637 +/- 0.071 χ^2/NDF : 1412791.1/10

354.935 +/- 0.067 χ^2/NDF : 4102538.3/29

344.168 +/- 0.046 χ^2/NDF : 9030800.4/59

334.087 +/- 0.064 χ^2/NDF : 4877693.8/29

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 244.743+/-39.405 χ^2/NDF : 11.0/12

Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18

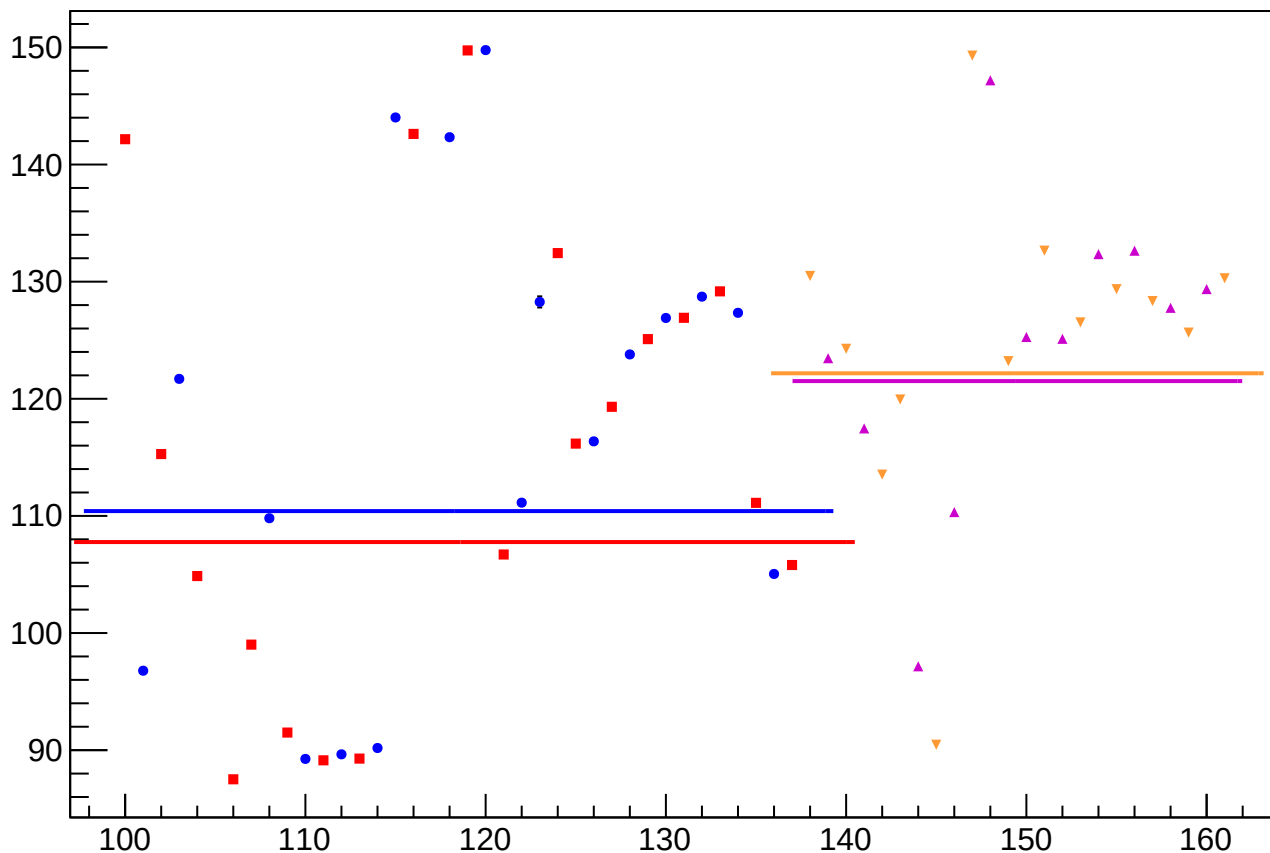
Left In: 206.058+/-40.833 χ^2/NDF : 8.1/10

174.986+/-29.147 χ^2/NDF : 34.9/29

182.978+/-20.546 χ^2/NDF : 53.7/59

190.871+/-28.968 χ^2/NDF : 18.6/29

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 122.178 $\pm$ 0.028 χ^2 /NDF: 279299.3/12

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

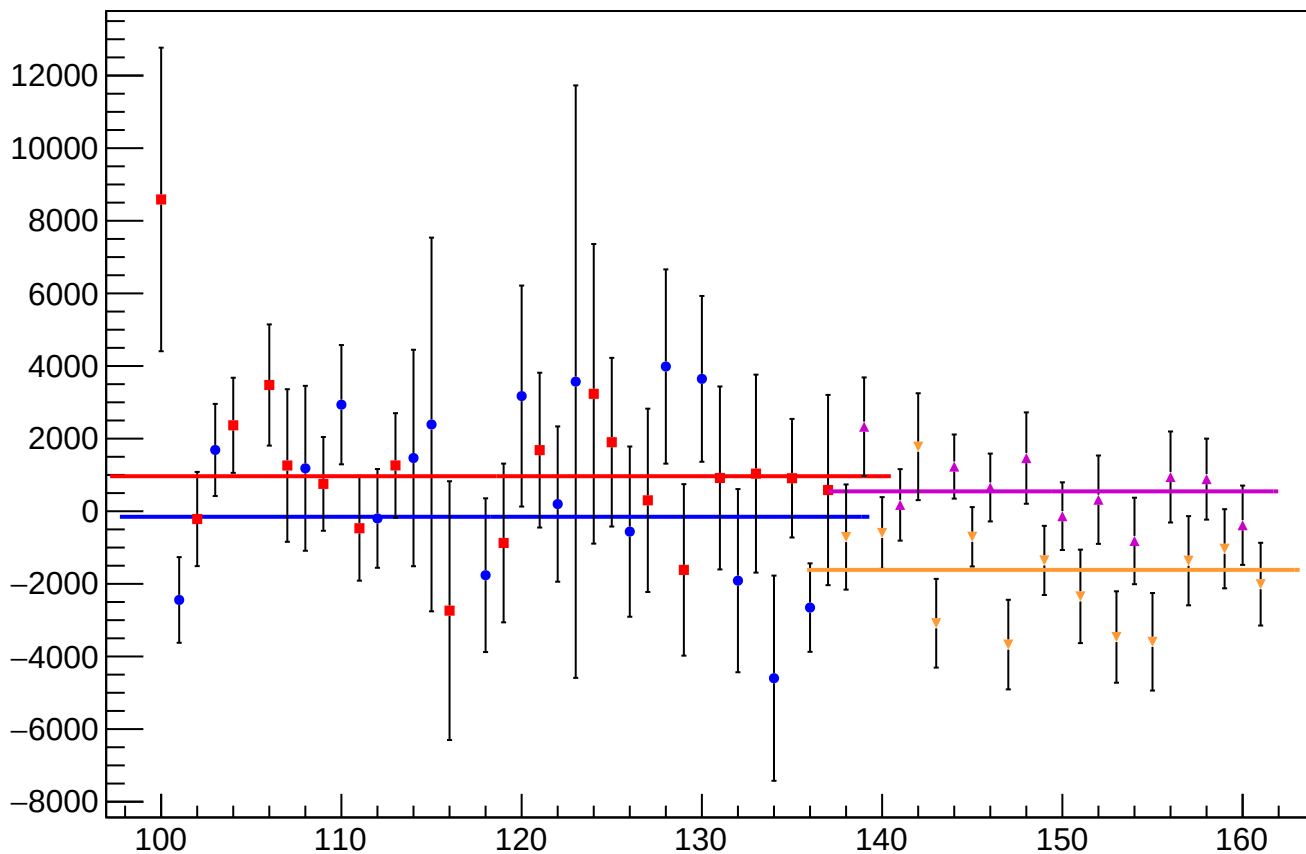
Left In: 121.511 $\pm$ 0.029 χ^2 /NDF: 209019.7/10

116.849 $\pm$ 0.021 χ^2 /NDF: 656489.0/29

115.760 $\pm$ 0.015 χ^2 /NDF: 1328045.7/59

114.684 $\pm$ 0.020 χ^2 /NDF: 666005.9/29

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 ± 464.753 $\chi^2/\text{NDF}: 24.7/16$

Left Out: -1614.658 ± 316.988 $\chi^2/\text{NDF}: 17.4/12$

Right Out: 964.716 ± 435.111 $\chi^2/\text{NDF}: 12.3/18$

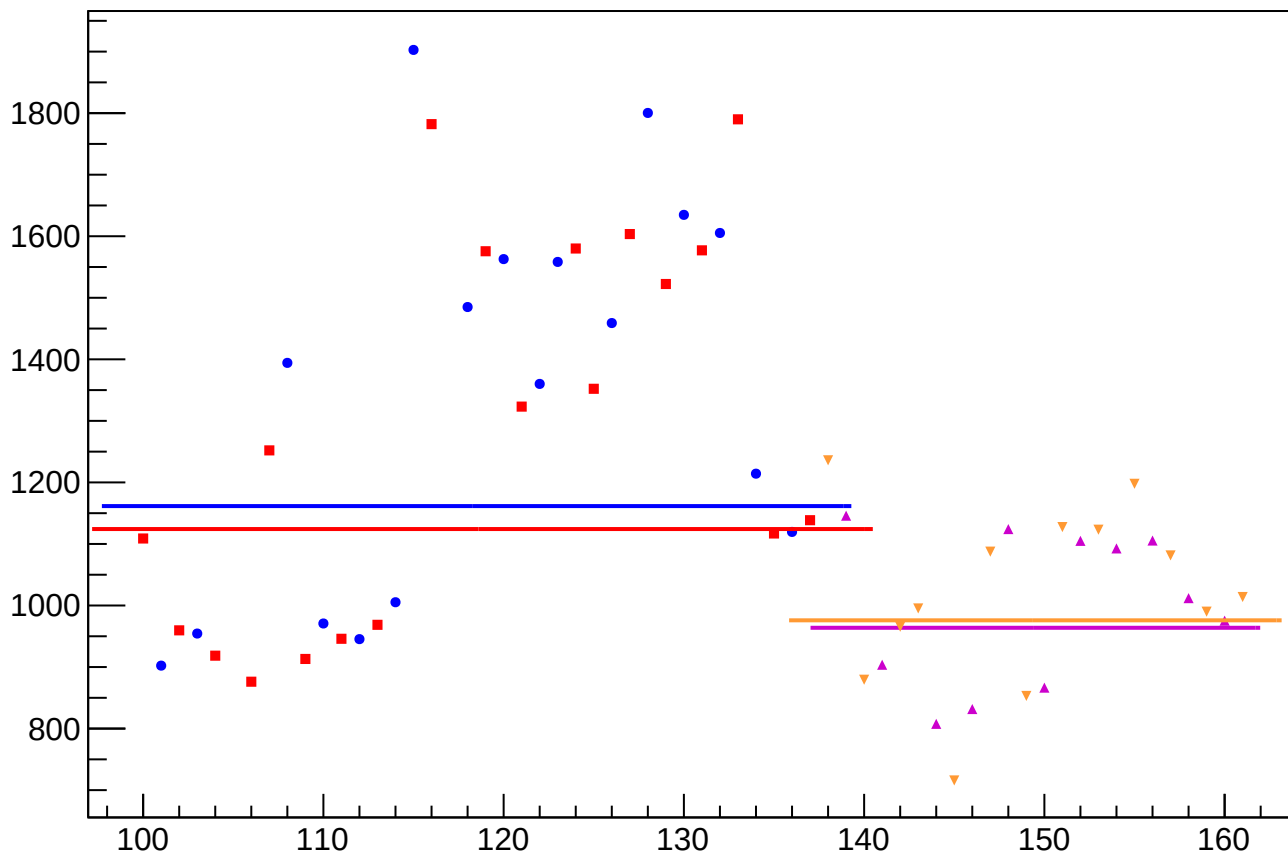
Left In: 547.533 ± 325.383 $\chi^2/\text{NDF}: 5.8/10$

-1150.391 ± 261.875 $\chi^2/\text{NDF}: 48.8/29$

-222.035 ± 184.714 $\chi^2/\text{NDF}: 92.5/59$

697.159 ± 260.580 $\chi^2/\text{NDF}: 18.7/29$

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 975.911 $\pm$ 0.224 χ^2 /NDF: 463154.3/12

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

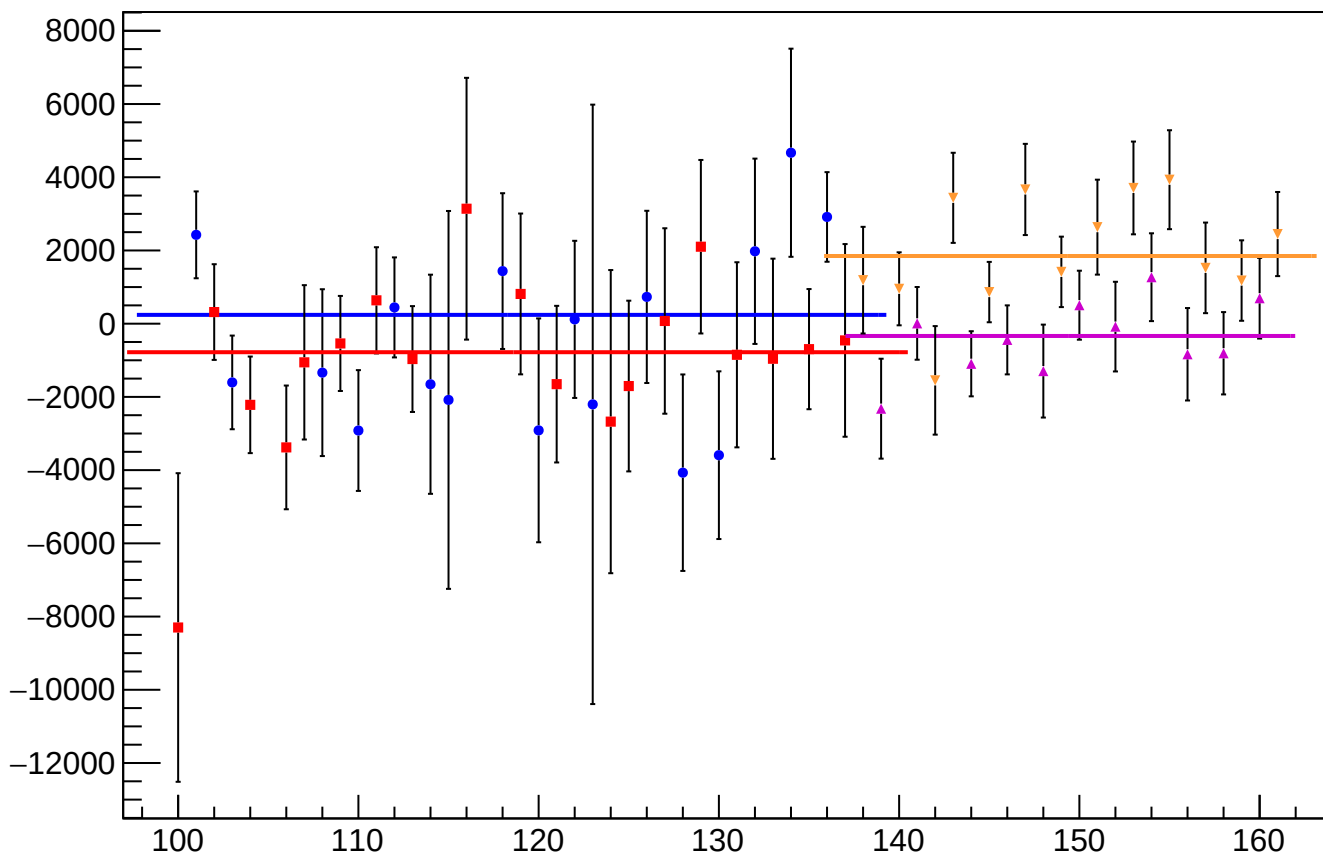
Left In: 963.792 $\pm$ 0.230 χ^2 /NDF: 280163.5/10

1034.845 $\pm$ 0.185 χ^2 /NDF: 1376799.8/29

1028.057 $\pm$ 0.131 χ^2 /NDF: 2601832.1/59

1021.336 $\pm$ 0.184 χ^2 /NDF: 1222357.9/29

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 ± 467.036 χ^2/NDF : 24.8/16

Left Out: 1848.641 ± 319.562 χ^2/NDF : 17.3/12

Right Out: -779.192 ± 437.487 χ^2/NDF : 12.3/18

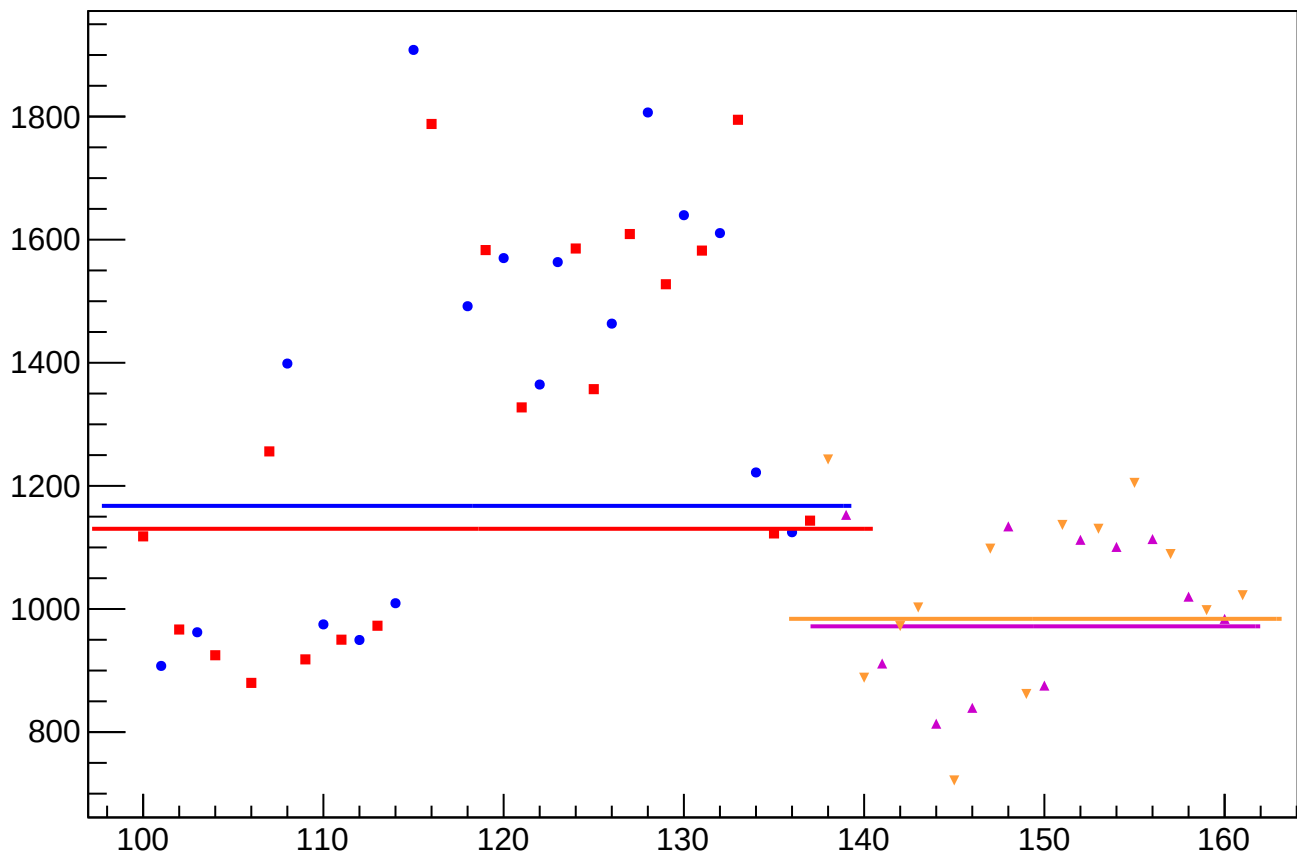
Left In: -335.442 ± 328.049 χ^2/NDF : 7.4/10

1335.907 ± 263.734 χ^2/NDF : 50.2/29

415.940 ± 186.035 χ^2/NDF : 94.8/59

-495.151 ± 262.459 χ^2/NDF : 20.4/29

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 984.025 $\pm$ 0.226 χ^2 /NDF: 458769.6/12

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

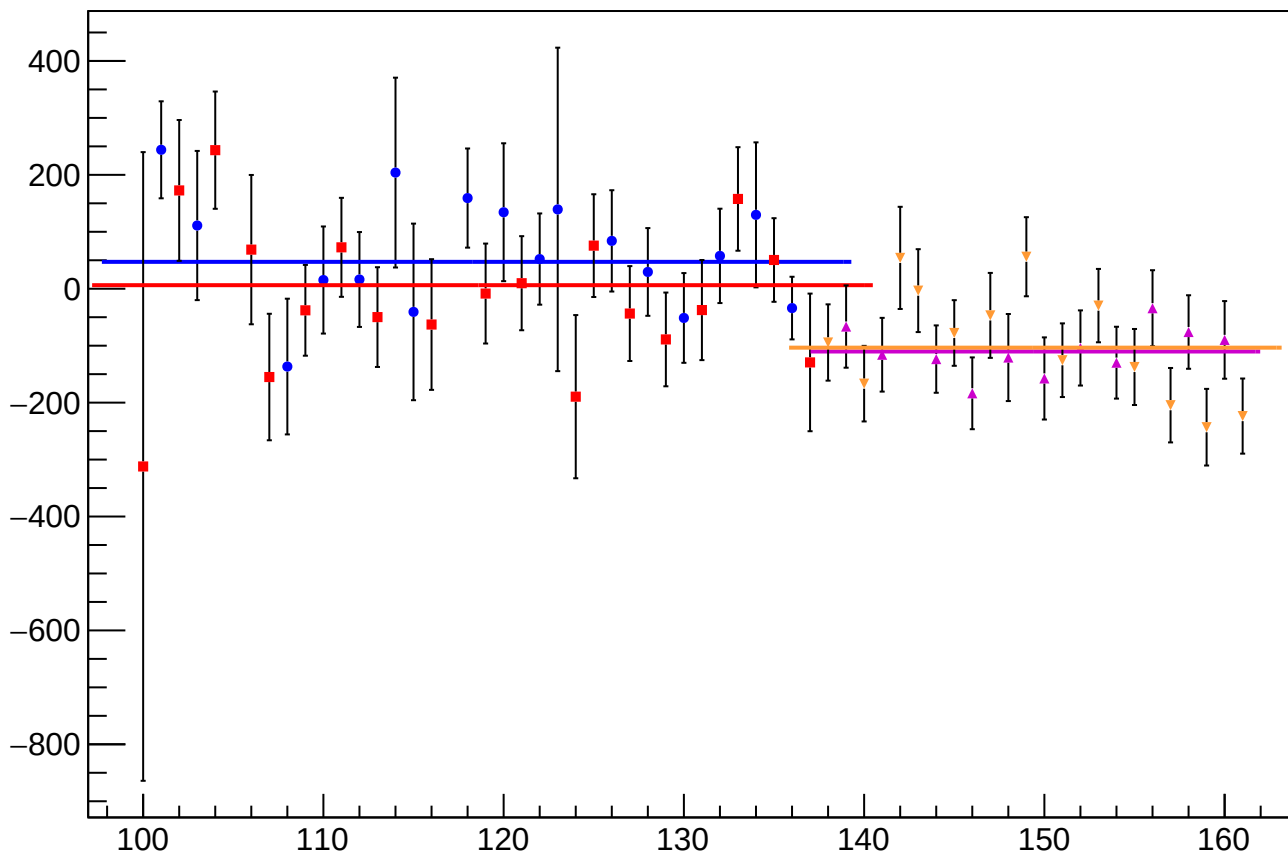
Left In: 971.833 $\pm$ 0.232 χ^2 /NDF: 277603.6/10

1042.544 $\pm$ 0.186 χ^2 /NDF: 1359579.3/29

1035.672 $\pm$ 0.132 χ^2 /NDF: 2569356.1/59

1028.867 $\pm$ 0.186 χ^2 /NDF: 1207074.3/29

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: -103.464+/-18.765 χ^2/NDF : 23.7/12

Right Out: 6.246+/-22.128 χ^2/NDF : 20.3/18

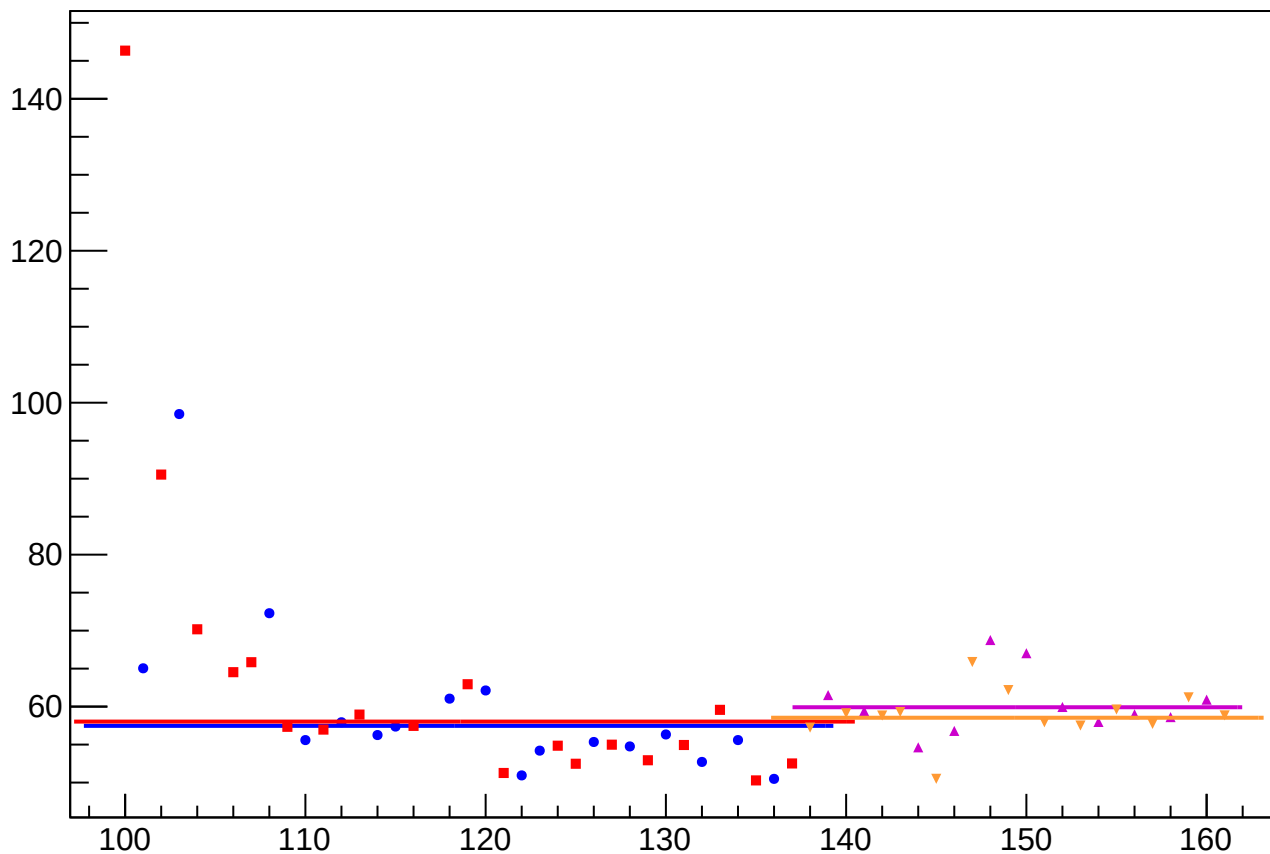
Left In: -110.218+/-20.035 χ^2/NDF : 4.0/10

-41.860+/-14.428 χ^2/NDF : 66.1/29

-49.576+/-10.349 χ^2/NDF : 106.2/59

-57.752+/-14.852 χ^2/NDF : 39.5/29

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: 58.534 $\pm$ 0.013 χ^2/NDF : 69625.7/12

Right Out: 58.027 $\pm$ 0.016 χ^2/NDF : 300788.2/18

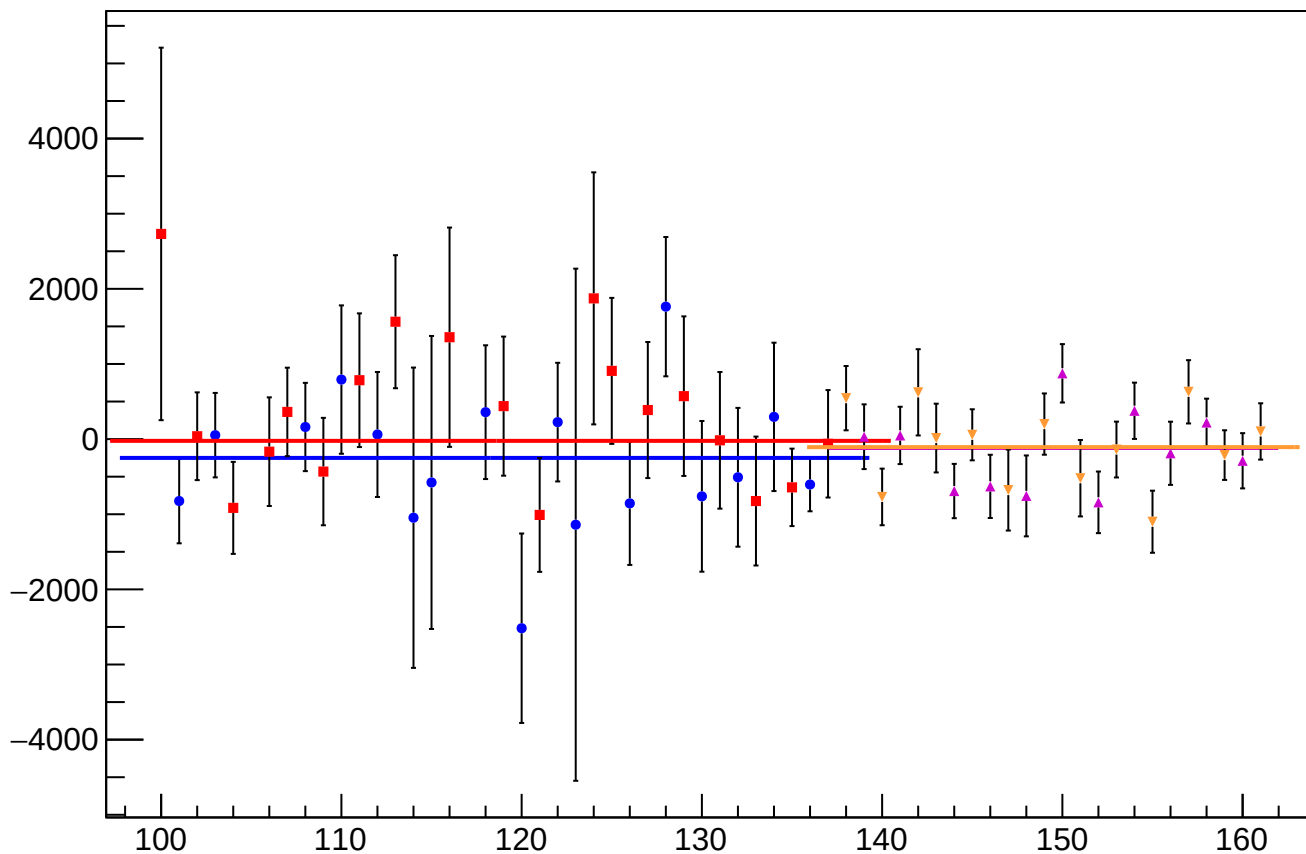
Left In: 59.914 $\pm$ 0.014 χ^2/NDF : 71640.7/10

58.097 $\pm$ 0.010 χ^2/NDF : 379435.8/29

58.567 $\pm$ 0.007 χ^2/NDF : 764220.2/59

59.064 $\pm$ 0.011 χ^2/NDF : 380424.0/29

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: -106.910+/-113.715 χ^2/NDF : 18.9/12

Right Out: -23.314+/-181.834 χ^2/NDF : 16.1/18

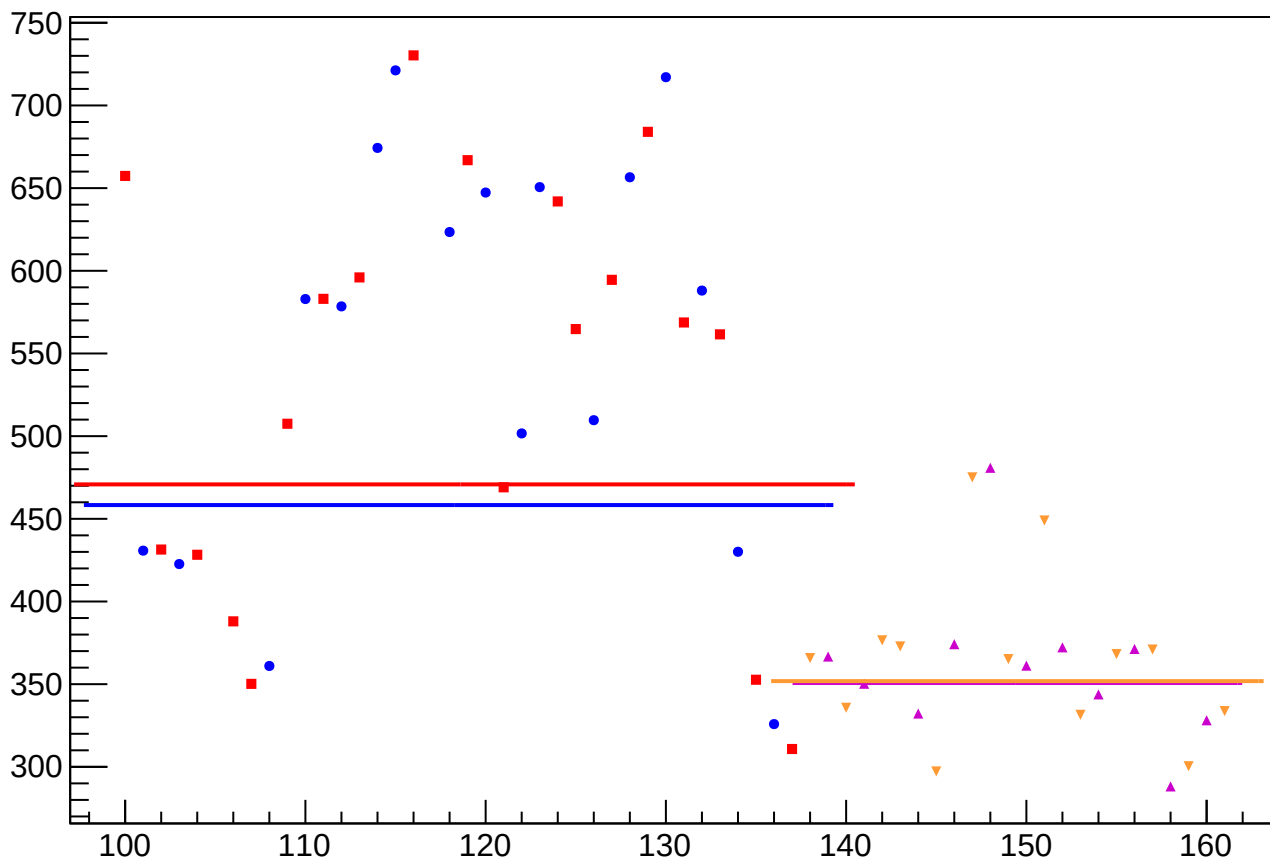
Left In: -118.329+/-118.107 χ^2/NDF : 18.5/10

-146.467+/-96.746 χ^2/NDF : 33.7/29

-118.964+/-69.209 χ^2/NDF : 68.6/59

-90.137+/-99.047 χ^2/NDF : 34.7/29

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 351.850 $\pm$ 0.080 χ^2 /NDF: 311556.1/12

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

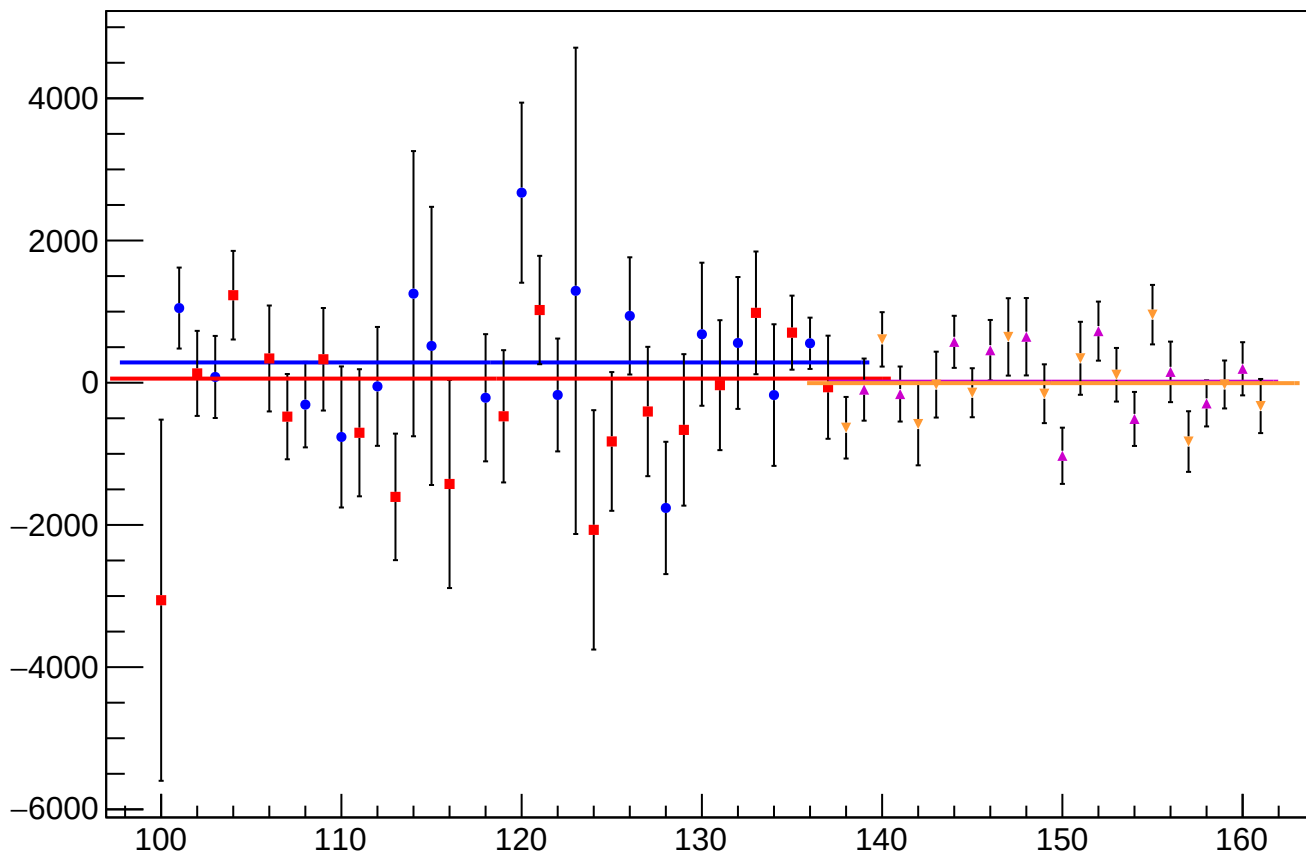
Left In: 350.729 $\pm$ 0.084 χ^2 /NDF: 228671.5/10

381.257 $\pm$ 0.068 χ^2 /NDF: 1673012.8/29

383.750 $\pm$ 0.049 χ^2 /NDF: 3296641.6/59

386.363 $\pm$ 0.070 χ^2 /NDF: 1620908.0/29

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: -5.776 $\pm$ 115.352 χ^2 /NDF:17.7/12

Right Out: 58.001 $\pm$ 184.074 χ^2 /NDF: 19.2/18

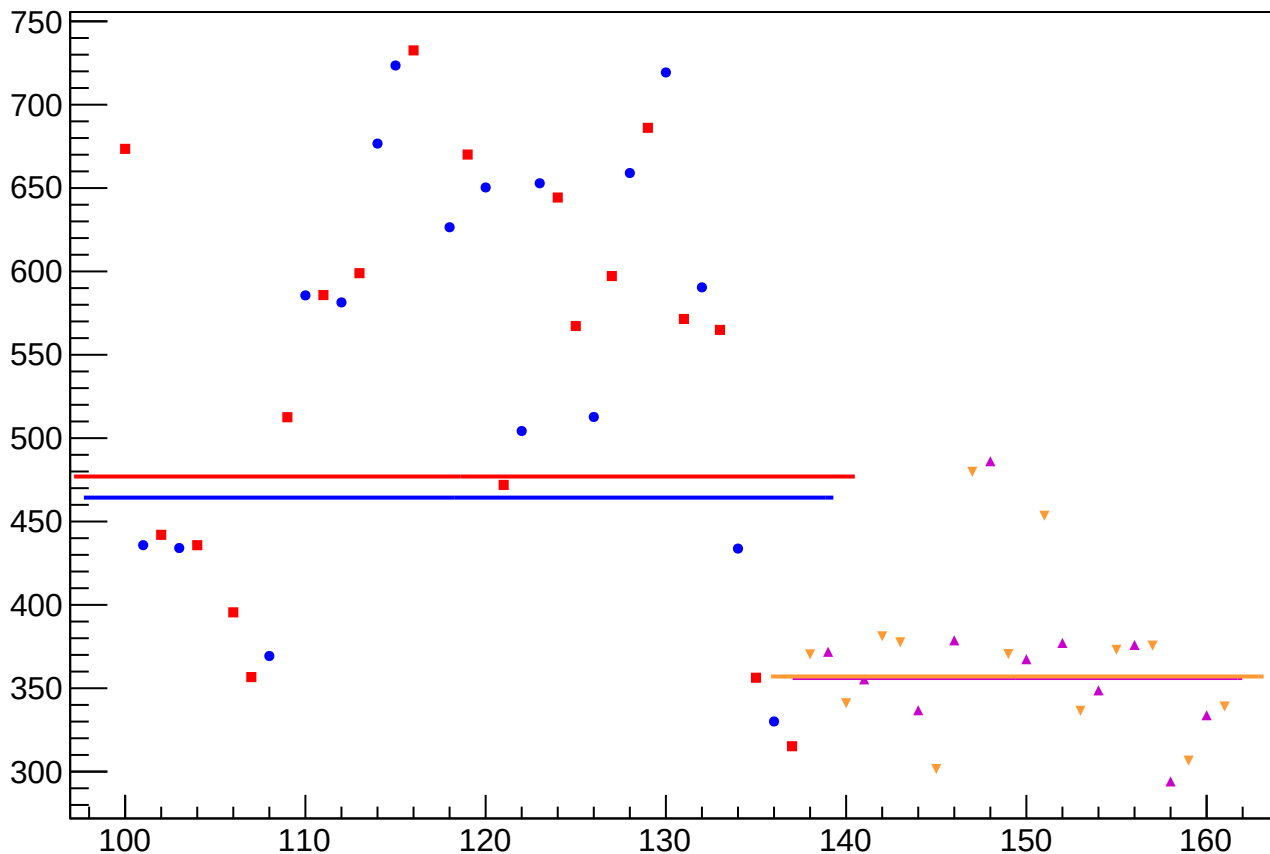
Left In: 14.536 $\pm$ 119.882 χ^2 /NDF:18.0/10

74.928 $\pm$ 98.069 χ^2 /NDF: 34.6/29

51.775 $\pm$ 70.174 χ^2 /NDF: 72.0/59

27.481 $\pm$ 100.456 χ^2 /NDF: 37.3/29

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: 357.052 $\pm$ 0.082 χ^2 /NDF: 300945.4/12

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

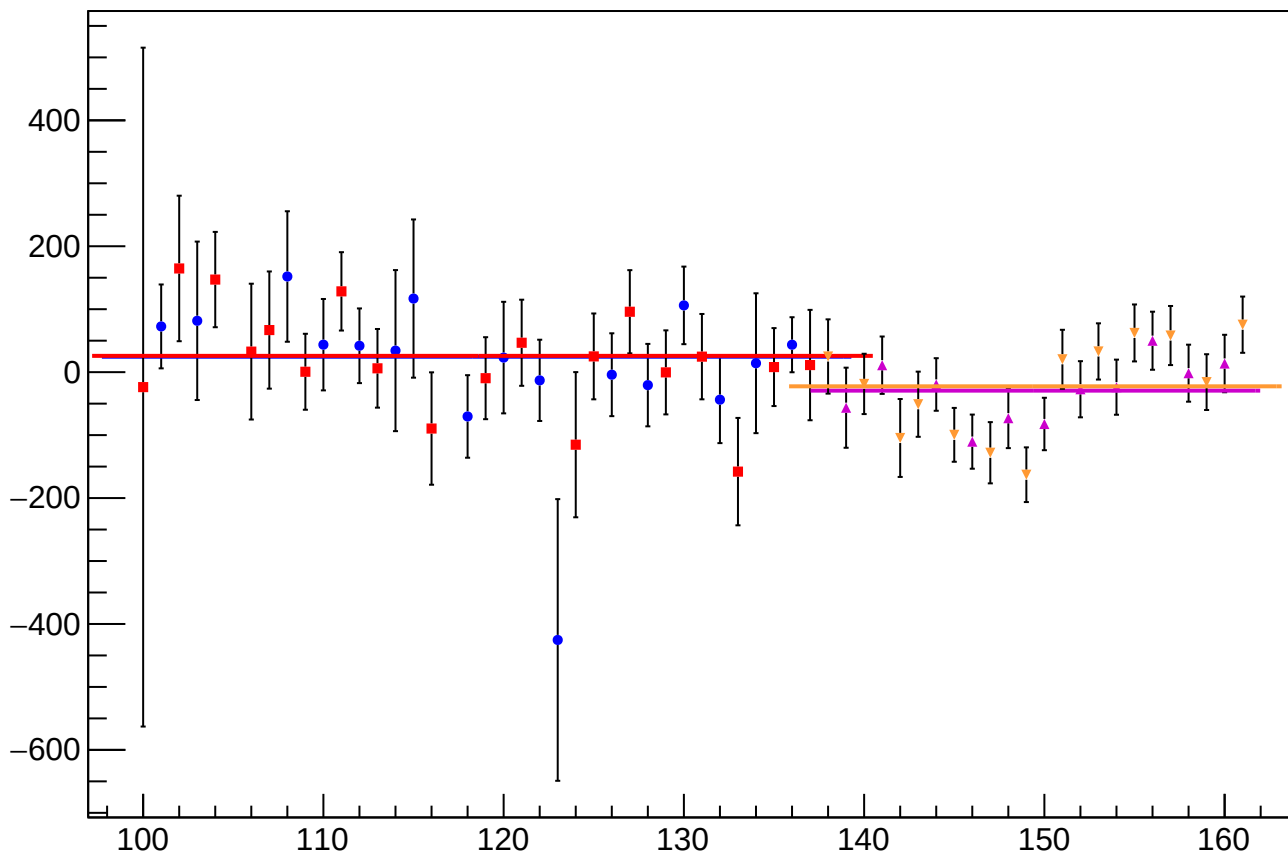
Left In: 356.125 $\pm$ 0.085 χ^2 /NDF: 220205.3/10

386.794 $\pm$ 0.069 χ^2 /NDF: 1626468.6/29

389.394 $\pm$ 0.050 χ^2 /NDF: 3204344.9/59

392.122 $\pm$ 0.071 χ^2 /NDF: 1574996.0/29

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -22.495 $\pm$ 13.168 χ^2 /NDF:34.8/12

Right Out: 25.884 $\pm$ 17.386 χ^2 /NDF: 16.8/18

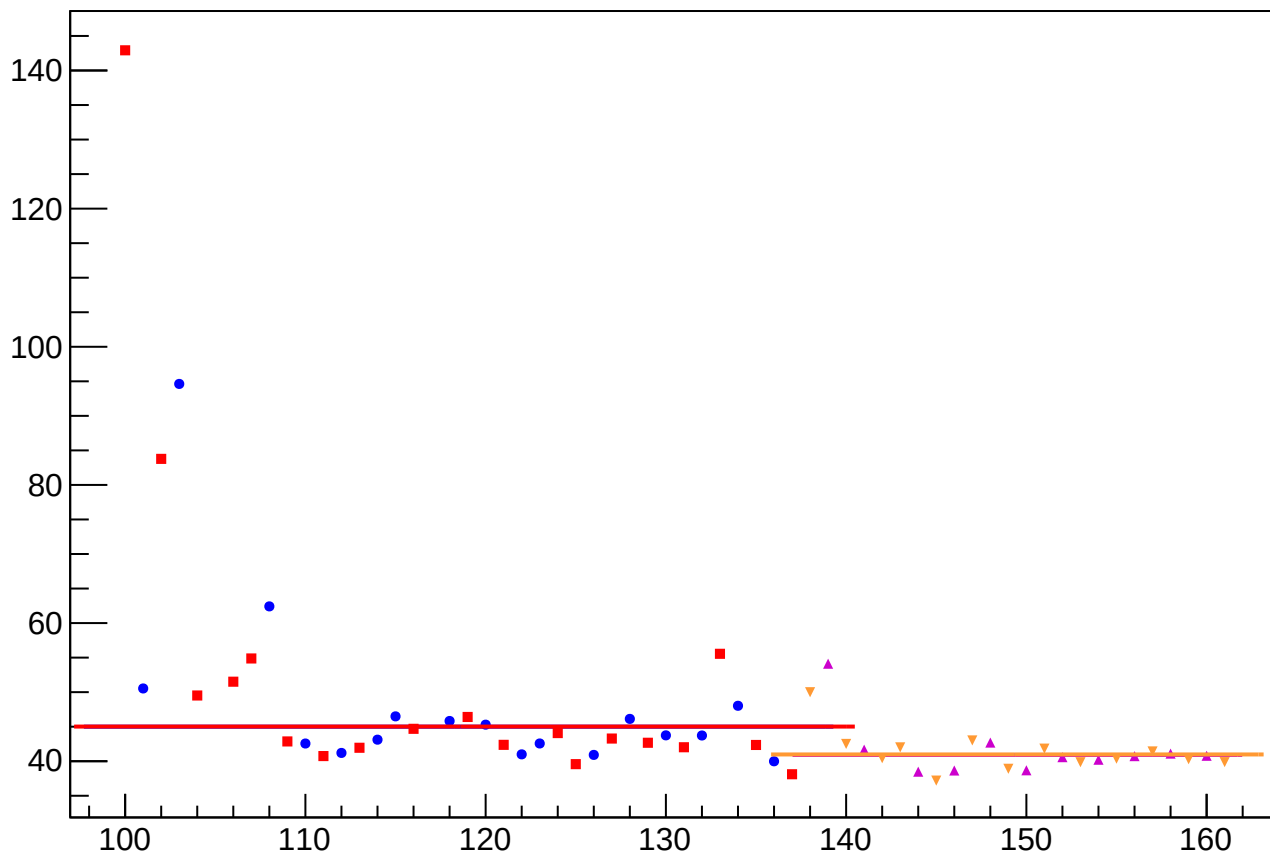
Left In: -29.336 $\pm$ 13.705 χ^2 /NDF:11.3/10

-5.890 $\pm$ 10.594 χ^2 /NDF: 52.3/29

-7.014 $\pm$ 7.550 χ^2 /NDF: 86.6/59

-8.175 $\pm$ 10.763 χ^2 /NDF: 34.3/29

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: 40.980 $\pm$ 0.009 χ^2/NDF : 77465.5/12

Right Out: 45.017 $\pm$ 0.012 χ^2/NDF : 415509.0/18

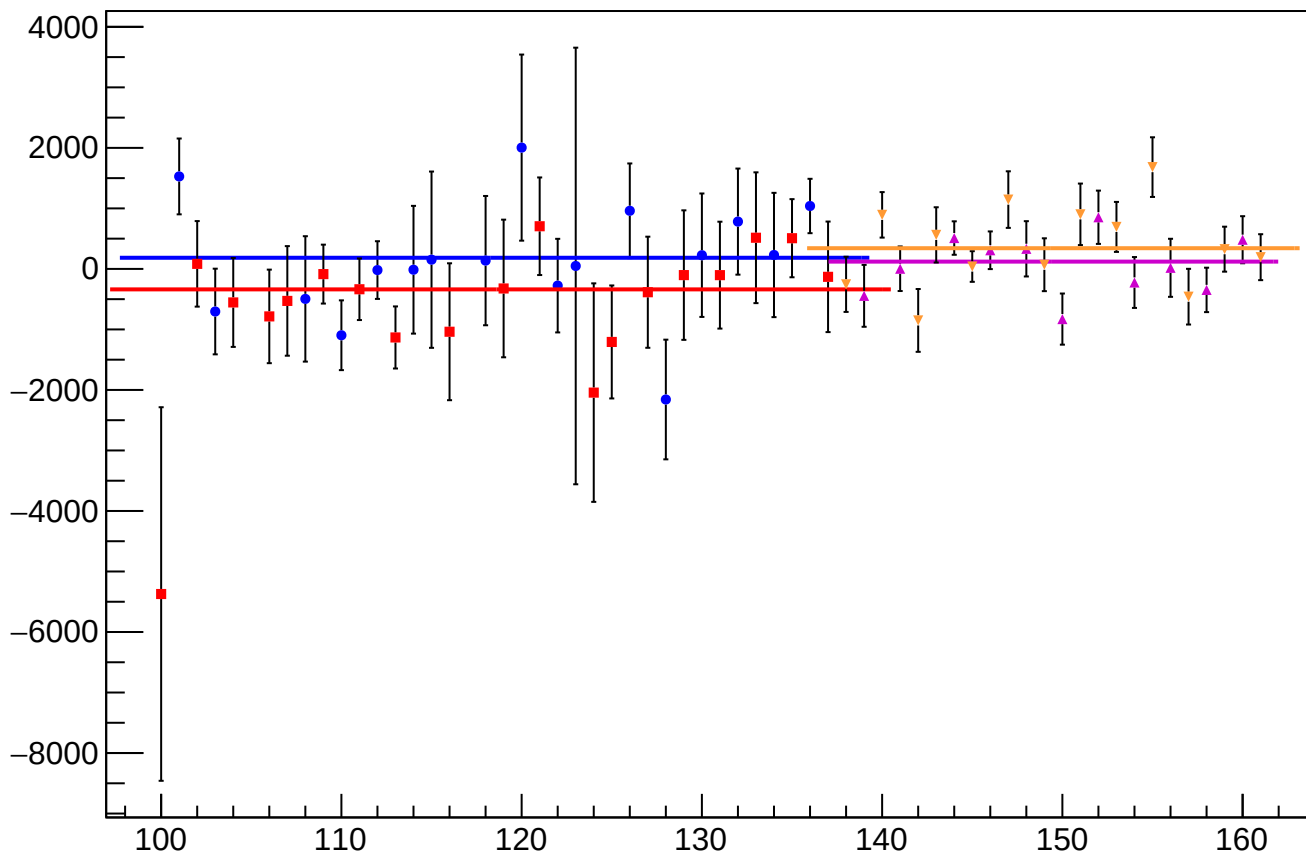
Left In: 40.904 $\pm$ 0.010 χ^2/NDF : 108221.0/10

42.398 $\pm$ 0.007 χ^2/NDF : 581595.1/29

42.439 $\pm$ 0.005 χ^2/NDF : 1174434.7/59

42.480 $\pm$ 0.008 χ^2/NDF : 592781.2/29

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: 342.128 $\pm$ 112.815 χ^2 /NDF: 26.7/12

Right Out: -338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

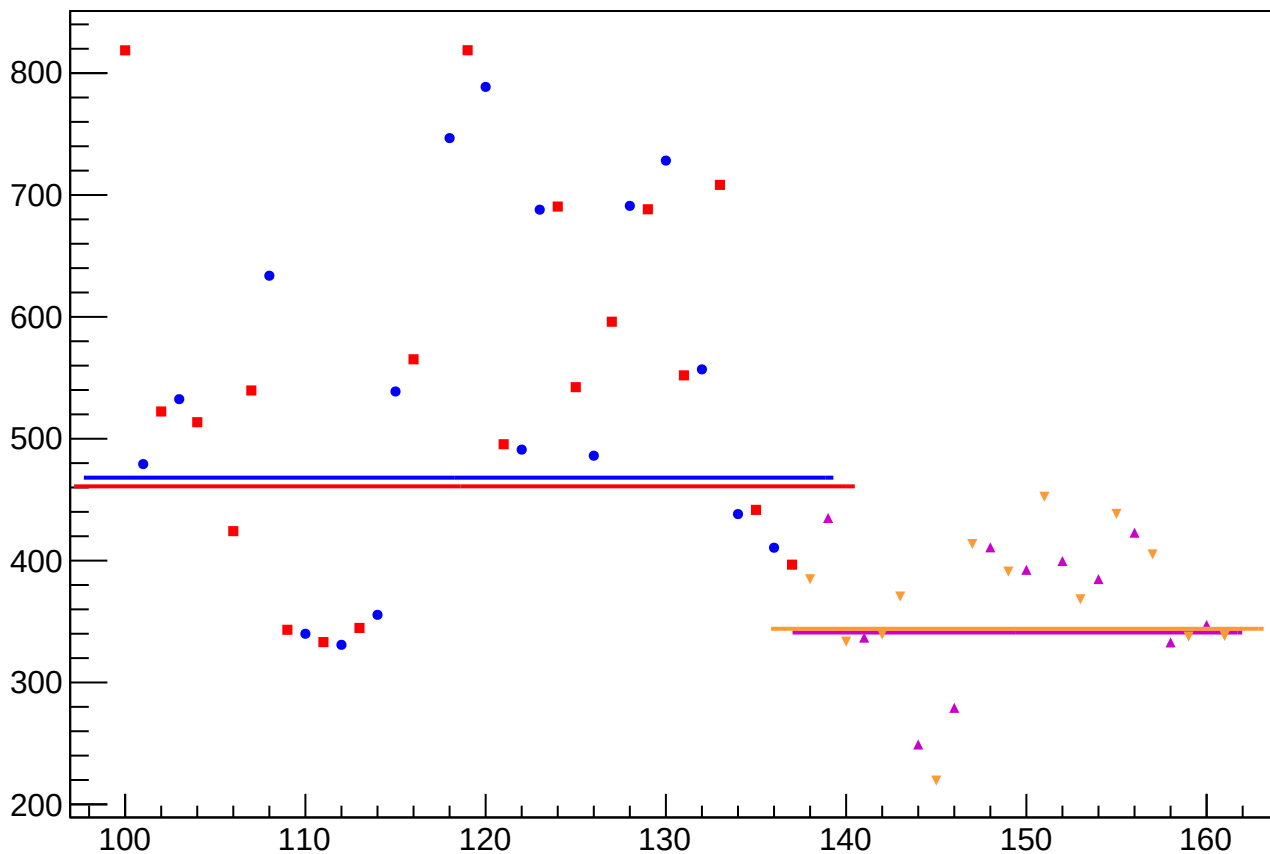
Left In: 120.539 $\pm$ 116.096 χ^2 /NDF: 14.9/10

300.493 $\pm$ 96.810 χ^2 /NDF: 51.4/29

143.846 $\pm$ 68.685 χ^2 /NDF: 88.7/59

-14.926 $\pm$ 97.464 χ^2 /NDF: 32.0/29

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071 $\pm$ 0.133 χ^2/NDF : 880319.3/16

Left Out: 344.085 $\pm$ 0.080 χ^2/NDF : 782628.9/12

Right Out: 460.939 $\pm$ 0.127 χ^2/NDF : 955028.5/18

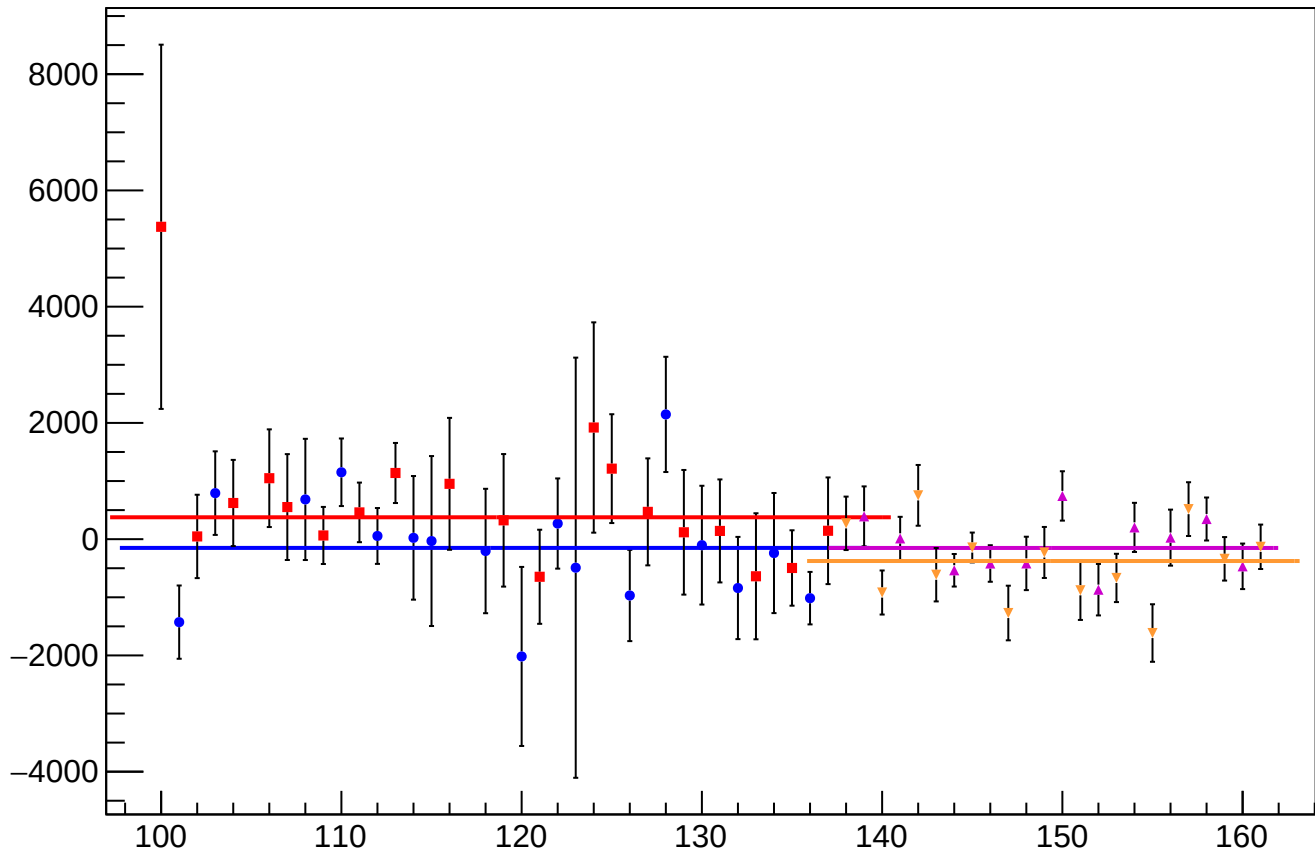
Left In: 340.993 $\pm$ 0.082 χ^2/NDF : 561239.0/10

376.768 $\pm$ 0.068 χ^2/NDF : 2299747.0/29

376.587 $\pm$ 0.049 χ^2/NDF : 4446269.4/59

376.403 $\pm$ 0.069 χ^2/NDF : 2146508.3/29

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -375.892 ± 113.712 χ^2/NDF : 25.4/12

Right Out: 376.554 ± 181.258 χ^2/NDF : 12.4/18

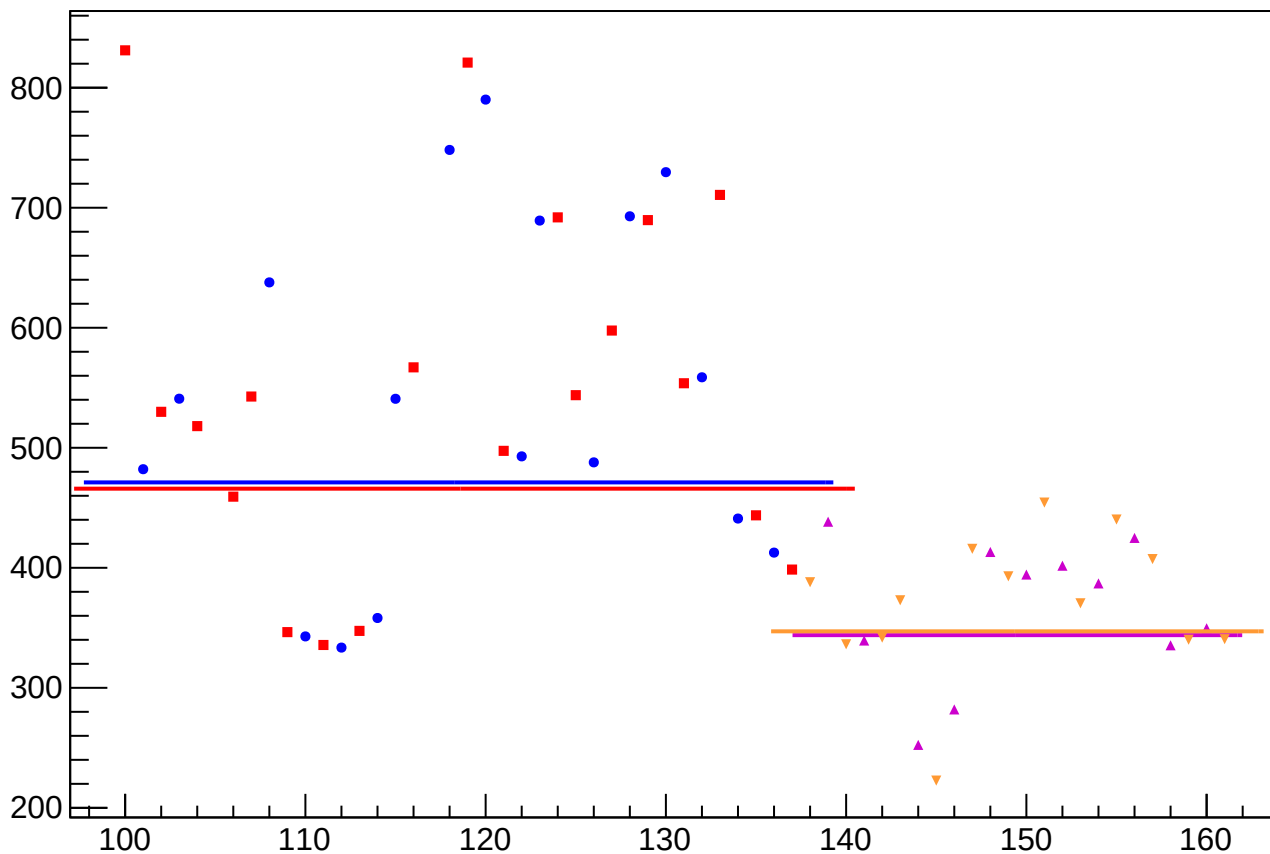
Left In: -151.175 ± 117.016 χ^2/NDF : 14.6/10

-316.275 ± 97.536 χ^2/NDF : 50.6/29

-157.369 ± 69.240 χ^2/NDF : 89.0/59

4.068 ± 98.309 χ^2/NDF : 33.0/29

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156 $\pm$ 0.134 χ^2/NDF : 871832.5/16

Left Out: 347.066 $\pm$ 0.080 χ^2/NDF : 757963.3/12

Right Out: 465.935 $\pm$ 0.128 χ^2/NDF : 940521.6/18

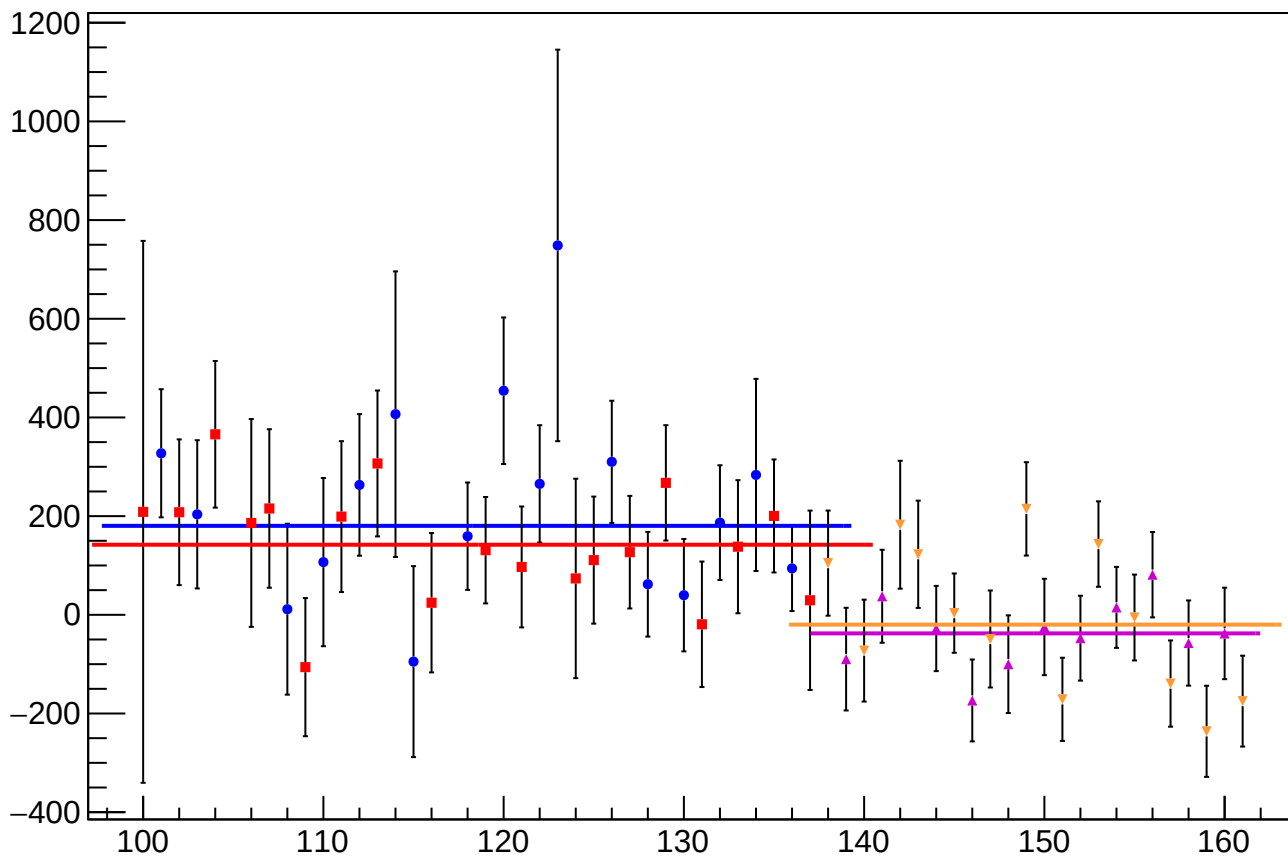
Left In: 343.890 $\pm$ 0.083 χ^2/NDF : 545186.8/10

379.860 $\pm$ 0.069 χ^2/NDF : 2259230.1/29

379.826 $\pm$ 0.049 χ^2/NDF : 4384938.2/59

379.792 $\pm$ 0.070 χ^2/NDF : 2125707.6/29

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: -19.855 $\pm$ 26.094 χ^2 /NDF:29.1/12

Right Out: 142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

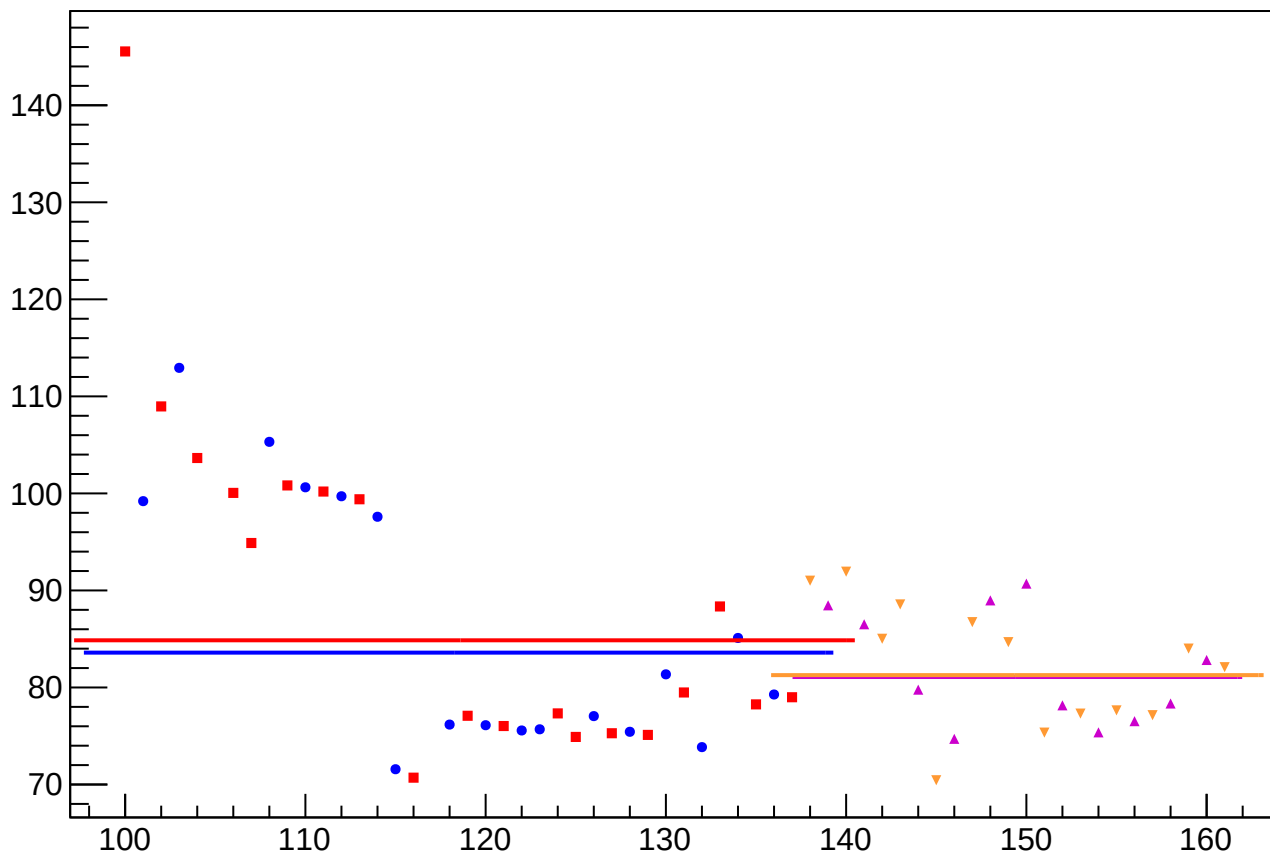
Left In: -37.632 $\pm$ 27.127 χ^2 /NDF:6.4/10

57.825 $\pm$ 20.413 χ^2 /NDF: 68.5/29

47.394 $\pm$ 14.563 χ^2 /NDF: 105.2/59

36.581 $\pm$ 20.783 χ^2 /NDF: 36.2/29

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 81.273+/-0.018 χ^2/NDF : 117720.9/12

Right Out: 84.861+/-0.023 χ^2/NDF : 290606.5/18

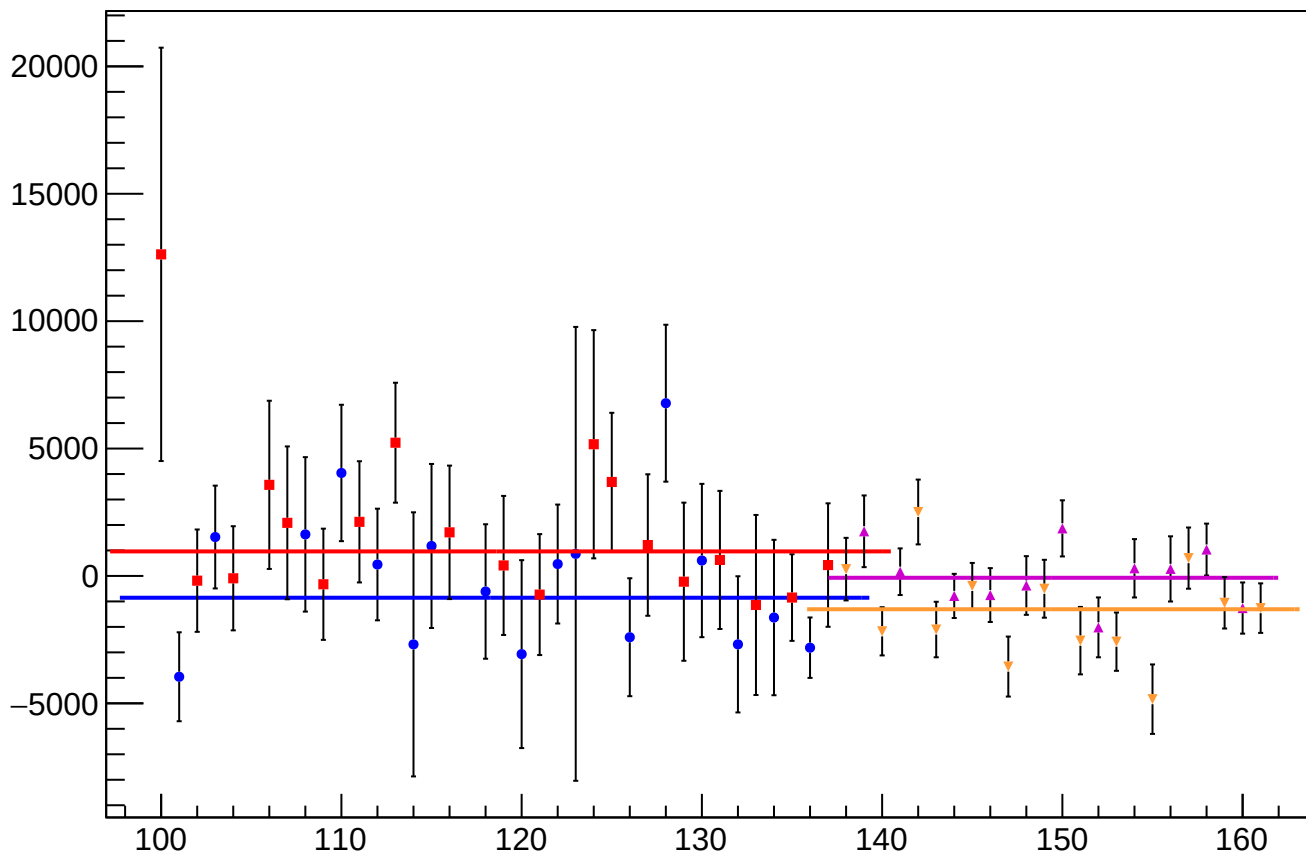
Left In: 81.078+/-0.019 χ^2/NDF : 81338.2/10

82.172+/-0.014 χ^2/NDF : 379767.1/29

82.402+/-0.010 χ^2/NDF : 768292.5/59

82.641+/-0.015 χ^2/NDF : 388008.0/29

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: -1307.136 ± 307.589 χ^2/NDF : 28.9/12

Right Out: 962.932 ± 589.071 χ^2/NDF : 11.5/18

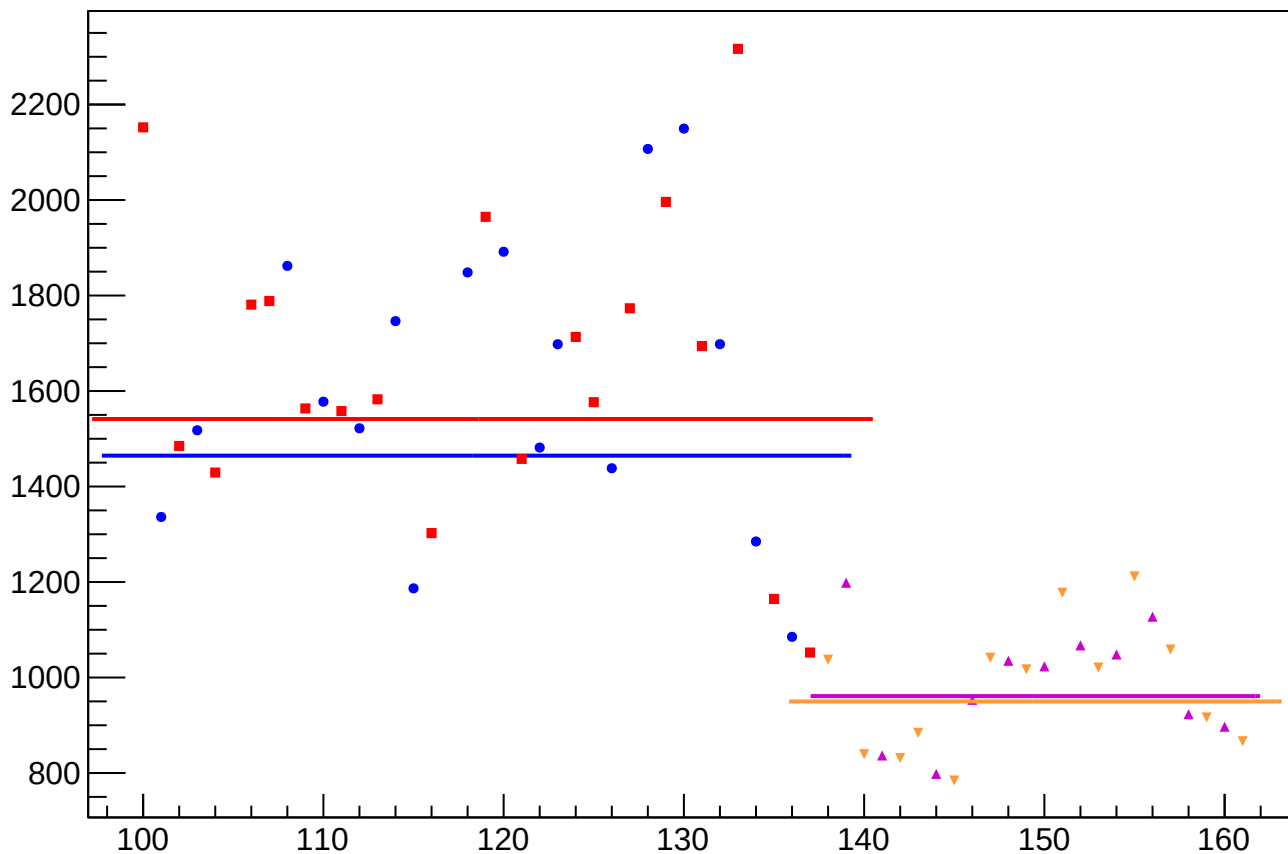
Left In: -72.240 ± 323.456 χ^2/NDF : 11.5/10

-1208.828 ± 272.077 χ^2/NDF : 49.6/29

-548.981 ± 196.310 χ^2/NDF : 87.3/59

167.567 ± 283.526 χ^2/NDF : 25.4/29

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: 949.898 $\pm$ 0.217 χ^2 /NDF: 322334.1/12

Right Out: 1541.388 $\pm$ 0.417 χ^2 /NDF: 453710.5/18

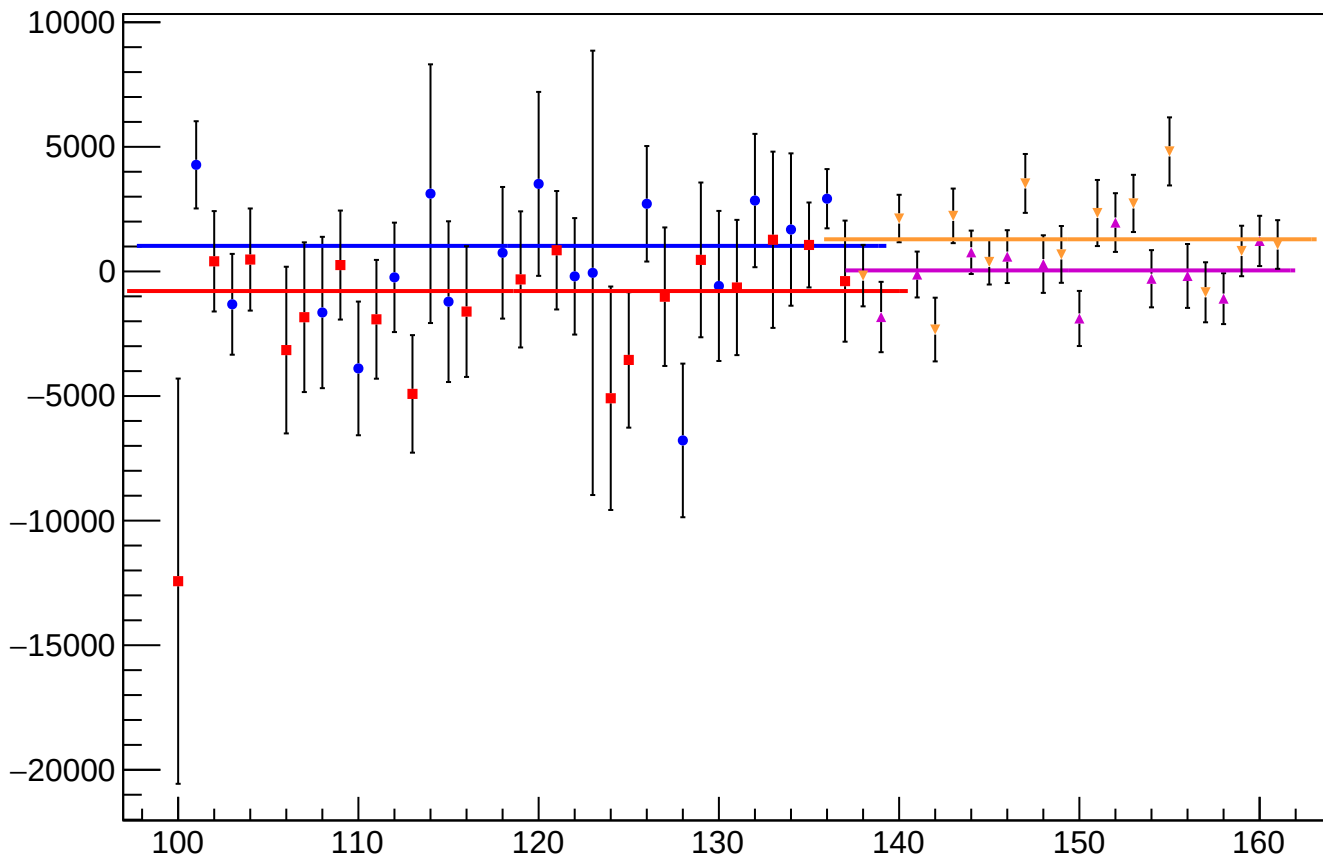
Left In: 961.069 $\pm$ 0.229 χ^2 /NDF: 251905.4/10

1061.893 $\pm$ 0.192 χ^2 /NDF: 2101836.3/29

1078.007 $\pm$ 0.139 χ^2 /NDF: 4313444.5/59

1095.505 $\pm$ 0.200 χ^2 /NDF: 2196974.7/29

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527 ± 584.500 χ^2/NDF : 20.9/16

Left Out: 1290.045 ± 308.839 χ^2/NDF : 28.1/12

Right Out: -787.007 ± 590.388 χ^2/NDF : 11.2/18

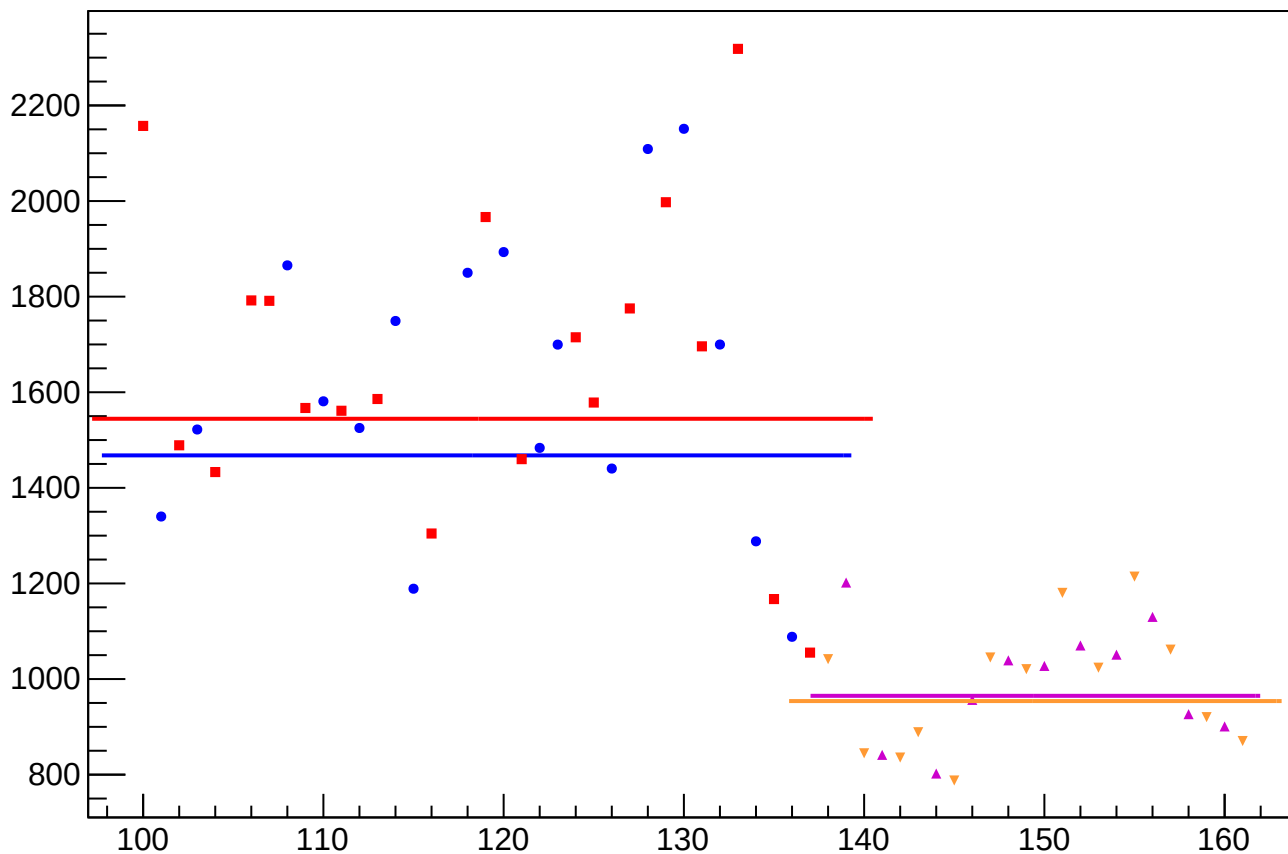
Left In: 41.101 ± 324.707 χ^2/NDF : 11.2/10

1232.313 ± 273.064 χ^2/NDF : 49.2/29

568.947 ± 197.009 χ^2/NDF : 85.4/59

-151.218 ± 284.514 χ^2/NDF : 23.9/29

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: 953.927 $\pm$ 0.218 χ^2/NDF : 317630.0/12

Right Out: 1544.513 $\pm$ 0.417 χ^2/NDF : 451805.9/18

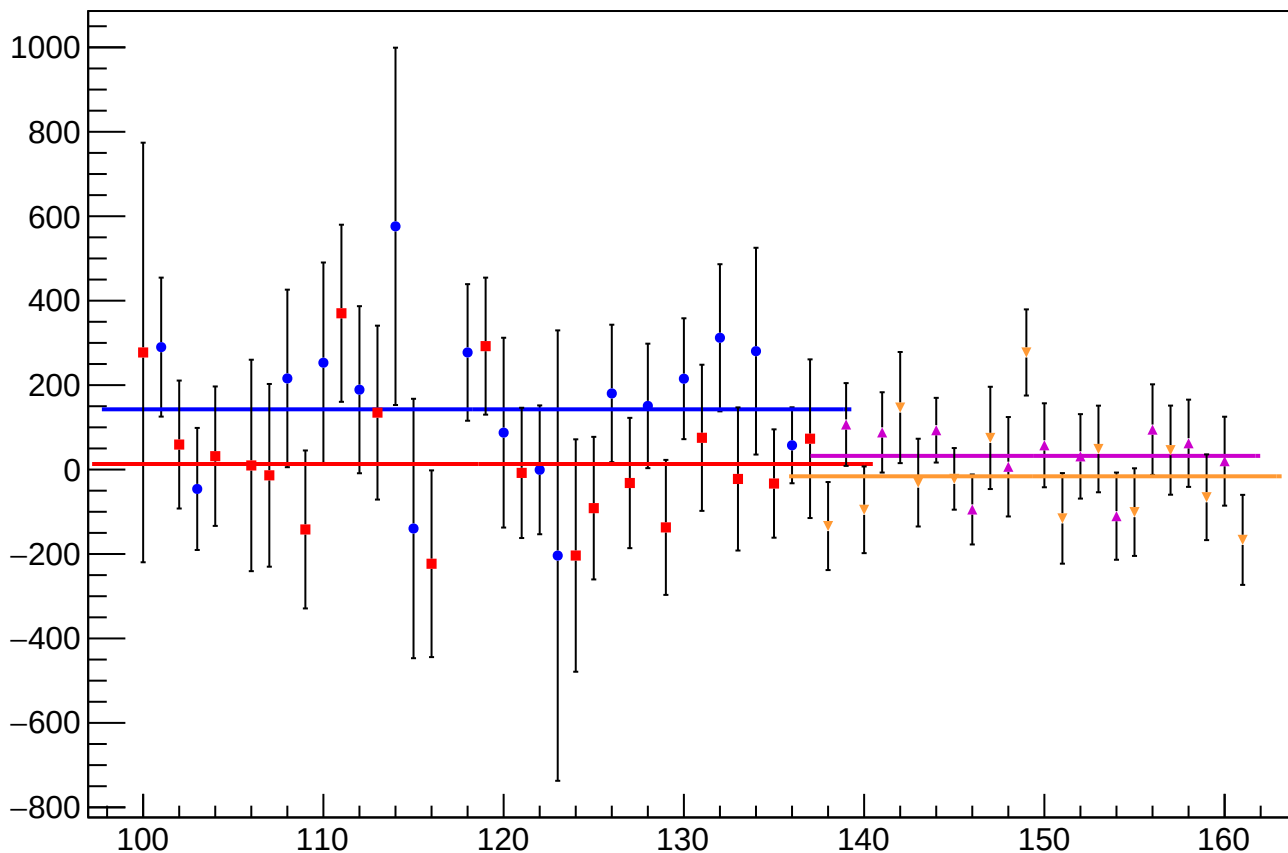
Left In: 964.918 $\pm$ 0.230 χ^2/NDF : 248137.4/10

1066.105 $\pm$ 0.193 χ^2/NDF : 2084062.1/29

1082.128 $\pm$ 0.139 χ^2/NDF : 4278265.0/59

1099.522 $\pm$ 0.201 χ^2/NDF : 2179841.1/29

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: -15.962 $\pm$ 28.412 χ^2 /NDF:16.8/12

Right Out: 13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

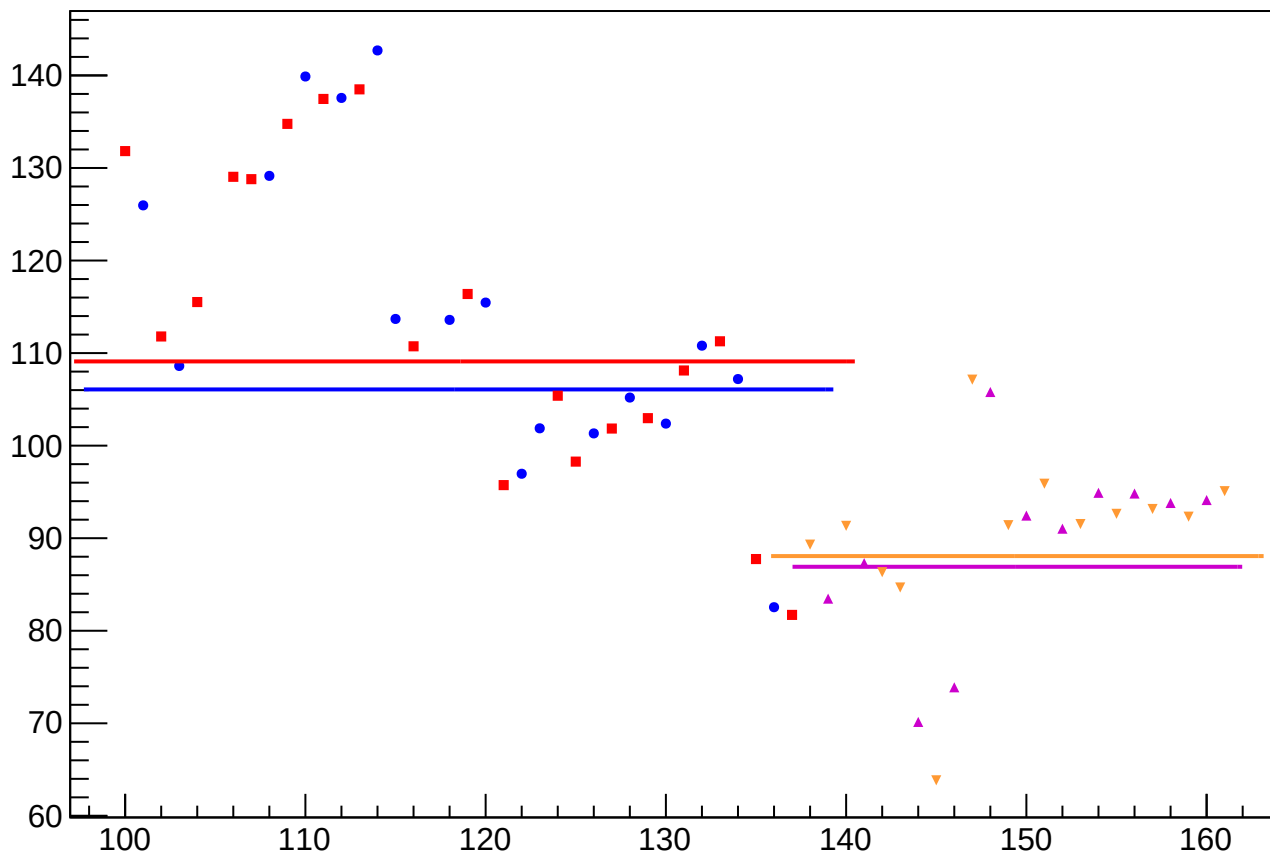
Left In: 32.422 $\pm$ 29.260 χ^2 /NDF:6.3/10

34.460 $\pm$ 23.467 χ^2 /NDF: 36.0/29

30.311 $\pm$ 16.742 χ^2 /NDF: 53.4/59

26.010 $\pm$ 23.894 χ^2 /NDF: 17.3/29

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 88.068 $\pm$ 0.020 χ^2 /NDF:310496.8/12

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

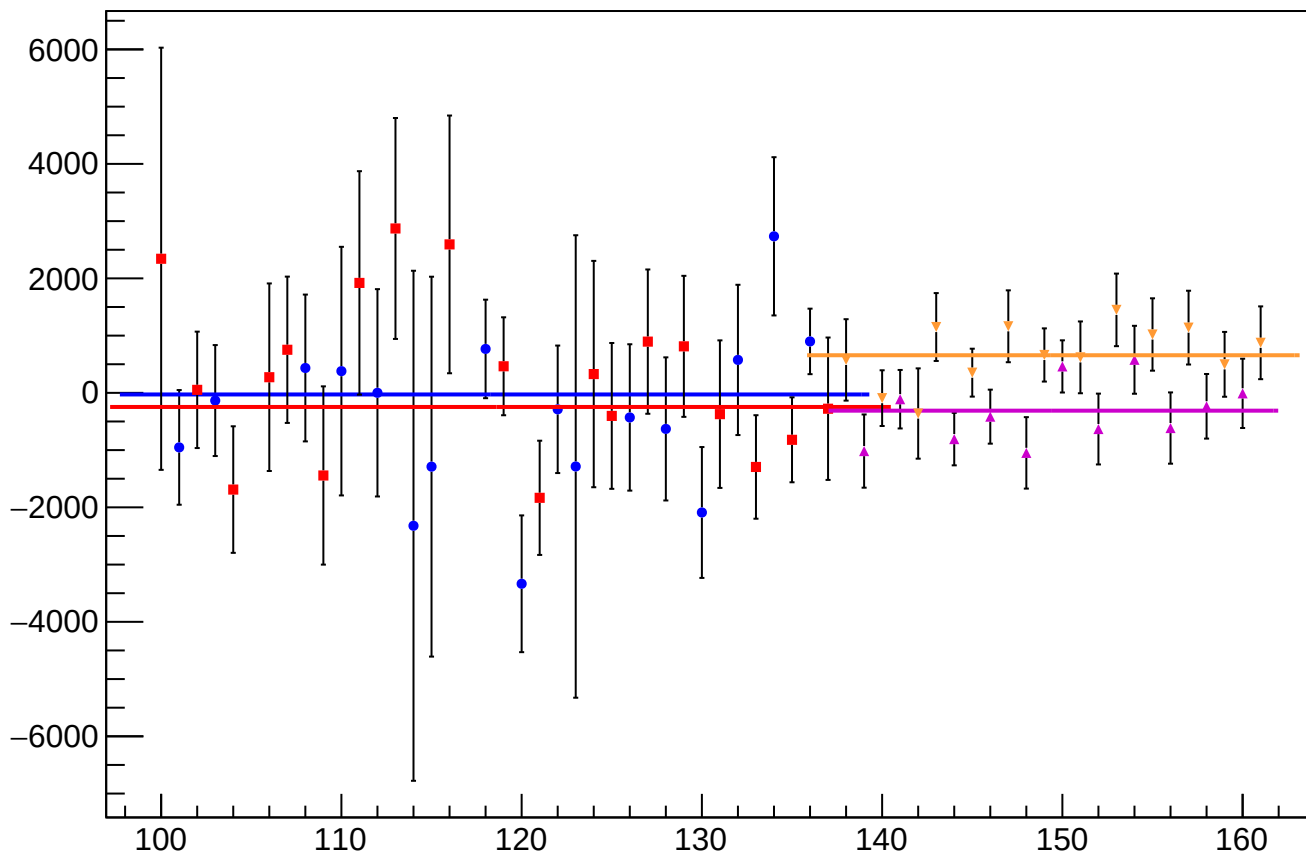
Left In: 86.913 $\pm$ 0.021 χ^2 /NDF:249732.4/10

93.790 $\pm$ 0.017 χ^2 /NDF: 883700.9/29

94.043 $\pm$ 0.012 χ^2 /NDF: 1802439.3/59

94.305 $\pm$ 0.017 χ^2 /NDF: 918266.8/29

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 $\pm$ 283.741 χ^2/NDF : 20.5/16

Left Out: 657.117 $\pm$ 160.013 χ^2/NDF : 8.6/12

Right Out: -246.386 $\pm$ 279.451 χ^2/NDF : 15.9/18

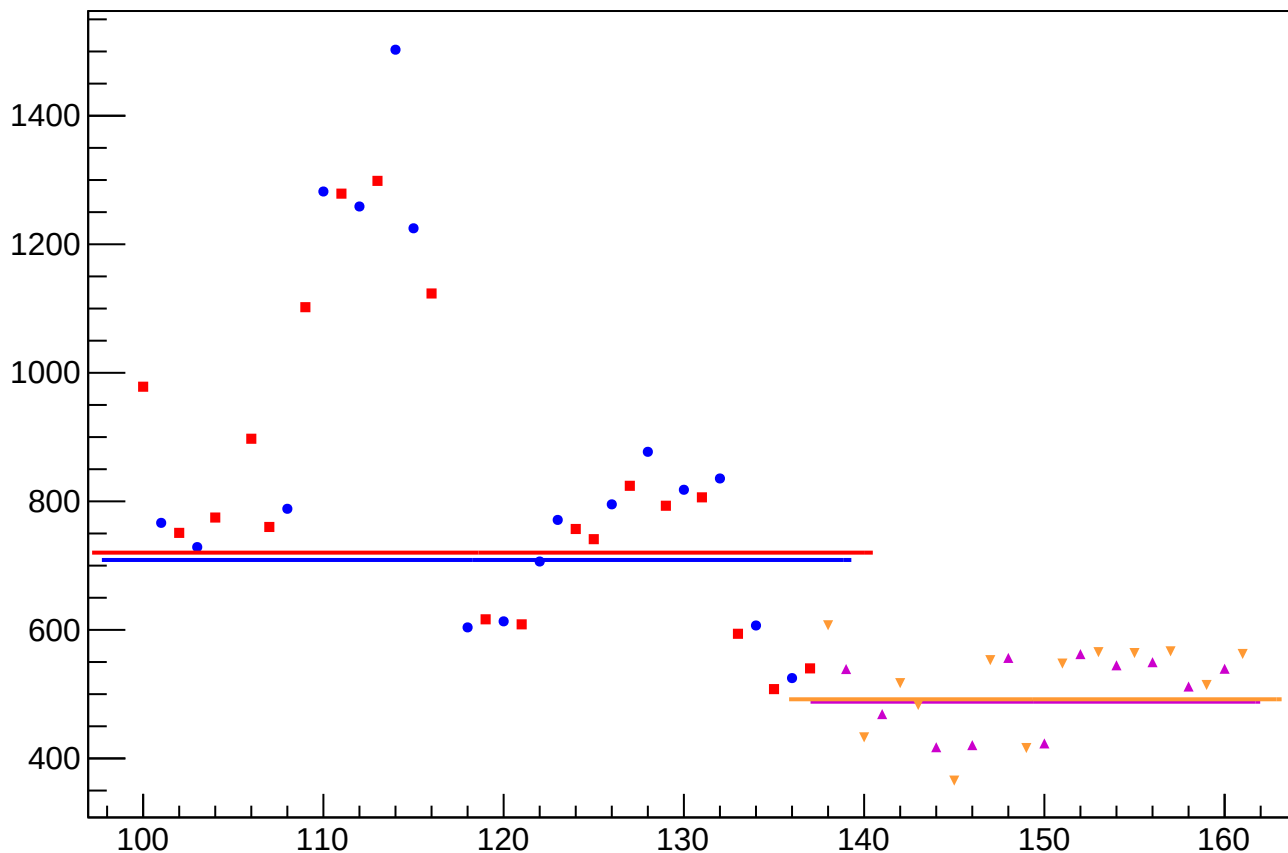
Left In: -311.048 $\pm$ 164.830 χ^2/NDF : 9.9/10

491.812 $\pm$ 139.378 χ^2/NDF : 33.5/29

105.979 $\pm$ 99.460 χ^2/NDF : 74.9/59

-294.358 $\pm$ 141.973 χ^2/NDF : 25.8/29

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 492.019 $\pm$ 0.113 χ^2 /NDF: 462270.8/12

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

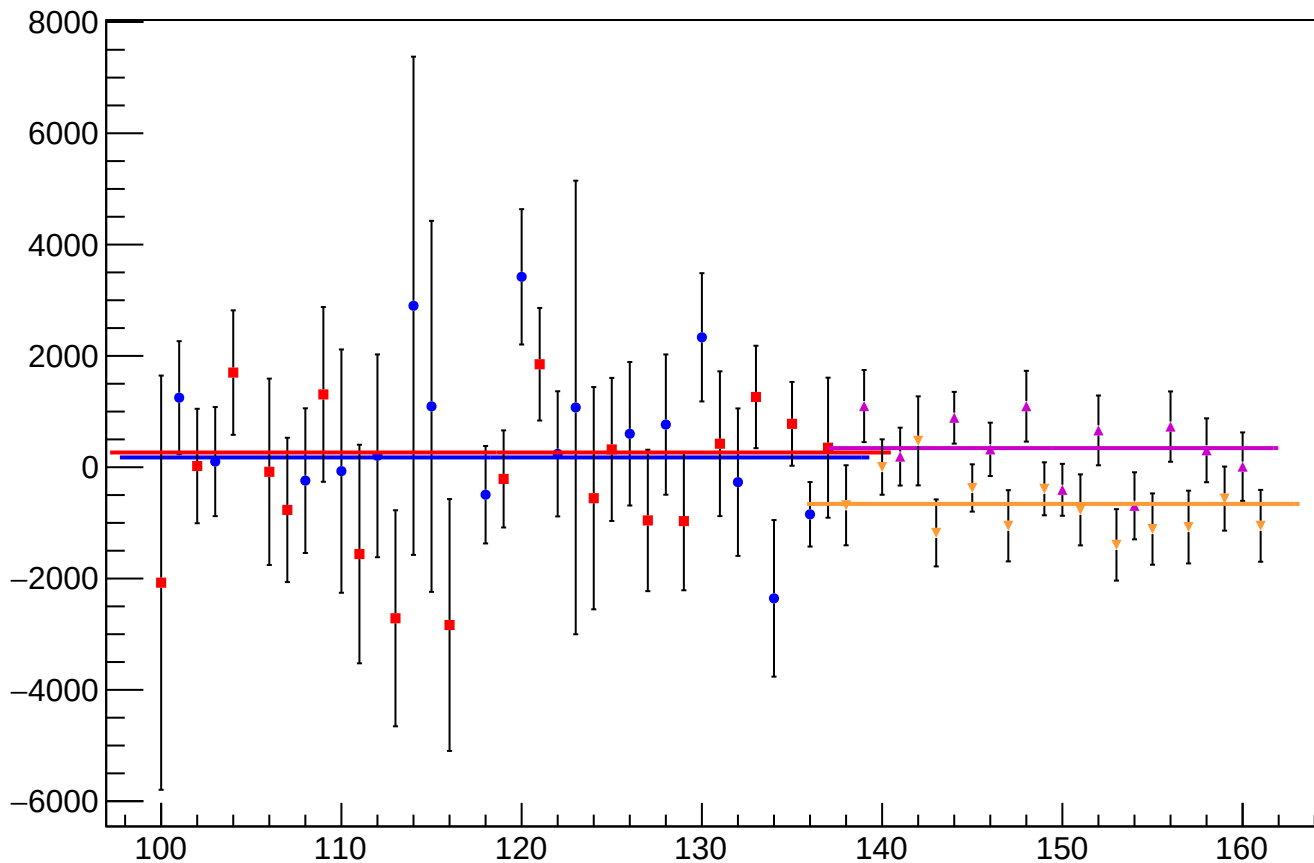
Left In: 488.257 $\pm$ 0.117 χ^2 /NDF: 252863.6/10

544.323 $\pm$ 0.099 χ^2 /NDF: 2141411.0/29

546.188 $\pm$ 0.070 χ^2 /NDF: 4317117.8/59

548.123 $\pm$ 0.100 χ^2 /NDF: 2174976.9/29

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 ± 287.218 $\chi^2/\text{NDF}: 19.7/16$

Left Out: -658.902 ± 162.715 $\chi^2/\text{NDF}: 8.3/12$

Right Out: 264.622 ± 283.074 $\chi^2/\text{NDF}: 14.8/18$

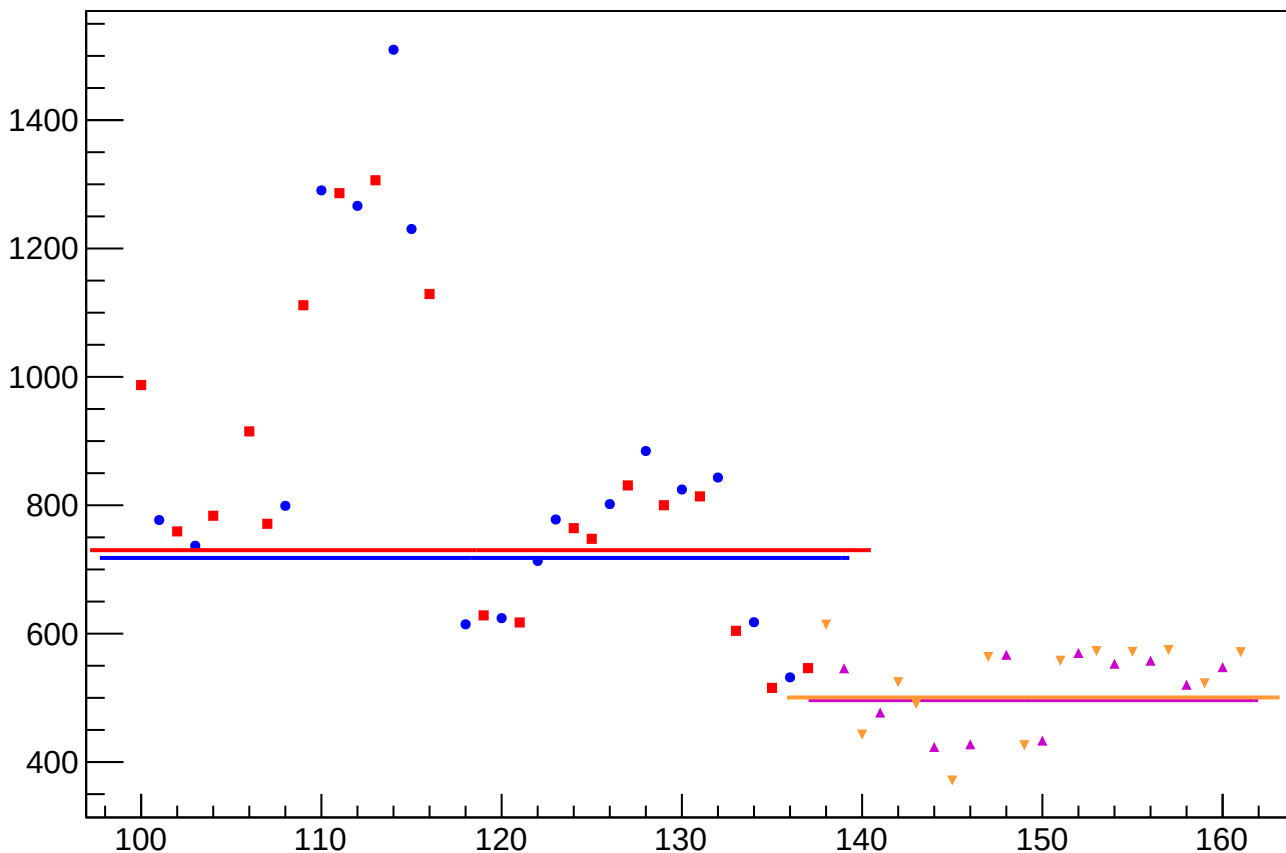
Left In: 343.630 ± 167.561 $\chi^2/\text{NDF}: 10.7/10$

-456.084 ± 141.575 $\chi^2/\text{NDF}: 34.5/29$

-73.617 ± 101.021 $\chi^2/\text{NDF}: 74.9/59$

323.130 ± 144.193 $\chi^2/\text{NDF}: 25.6/29$

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: 500.598 $\pm$ 0.115 χ^2 /NDF: 451599.8/12

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

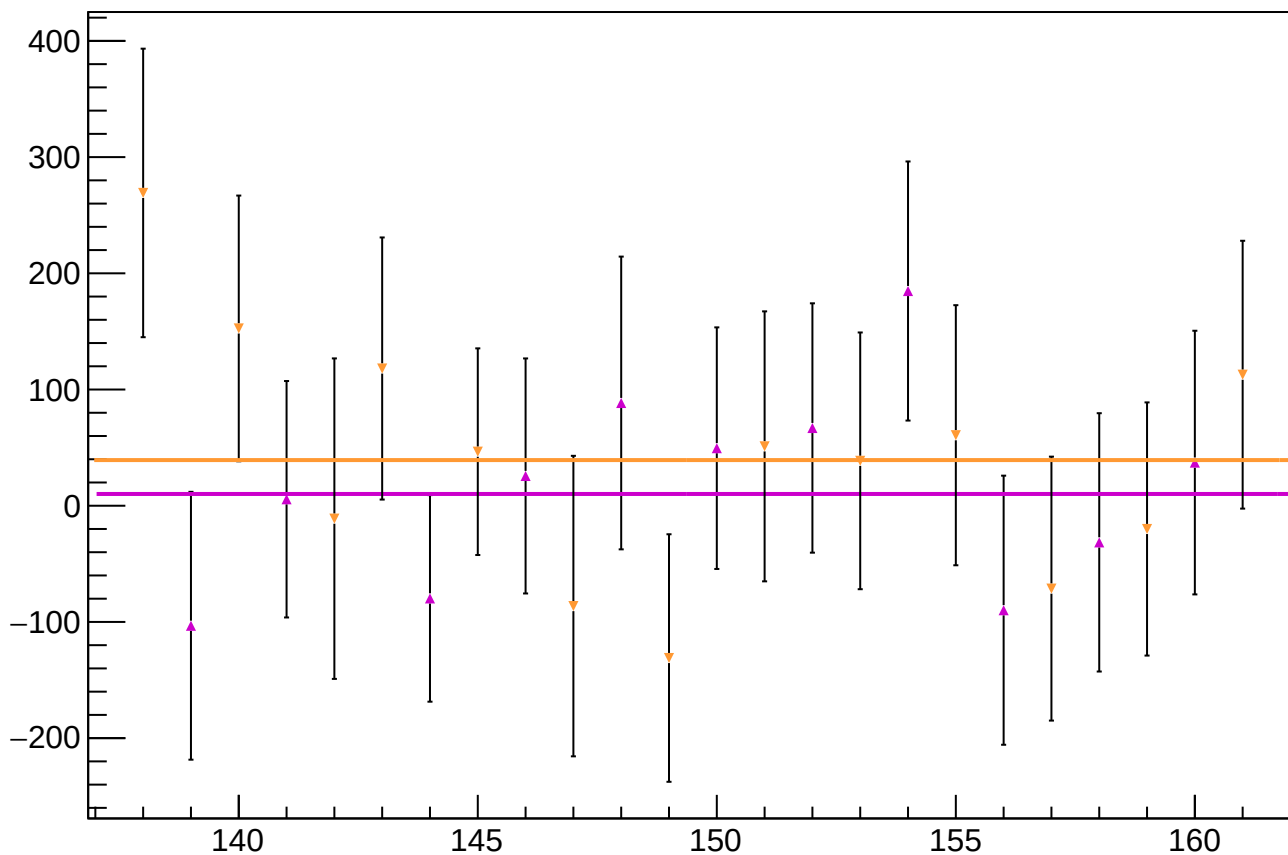
Left In: 496.503 $\pm$ 0.118 χ^2 /NDF: 247802.3/10

553.413 $\pm$ 0.100 χ^2 /NDF: 2097421.7/29

555.222 $\pm$ 0.071 χ^2 /NDF: 4235789.2/59

557.099 $\pm$ 0.102 χ^2 /NDF: 2137702.1/29

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 39.284+/-31.311 χ^2/NDF : 10.2/12

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

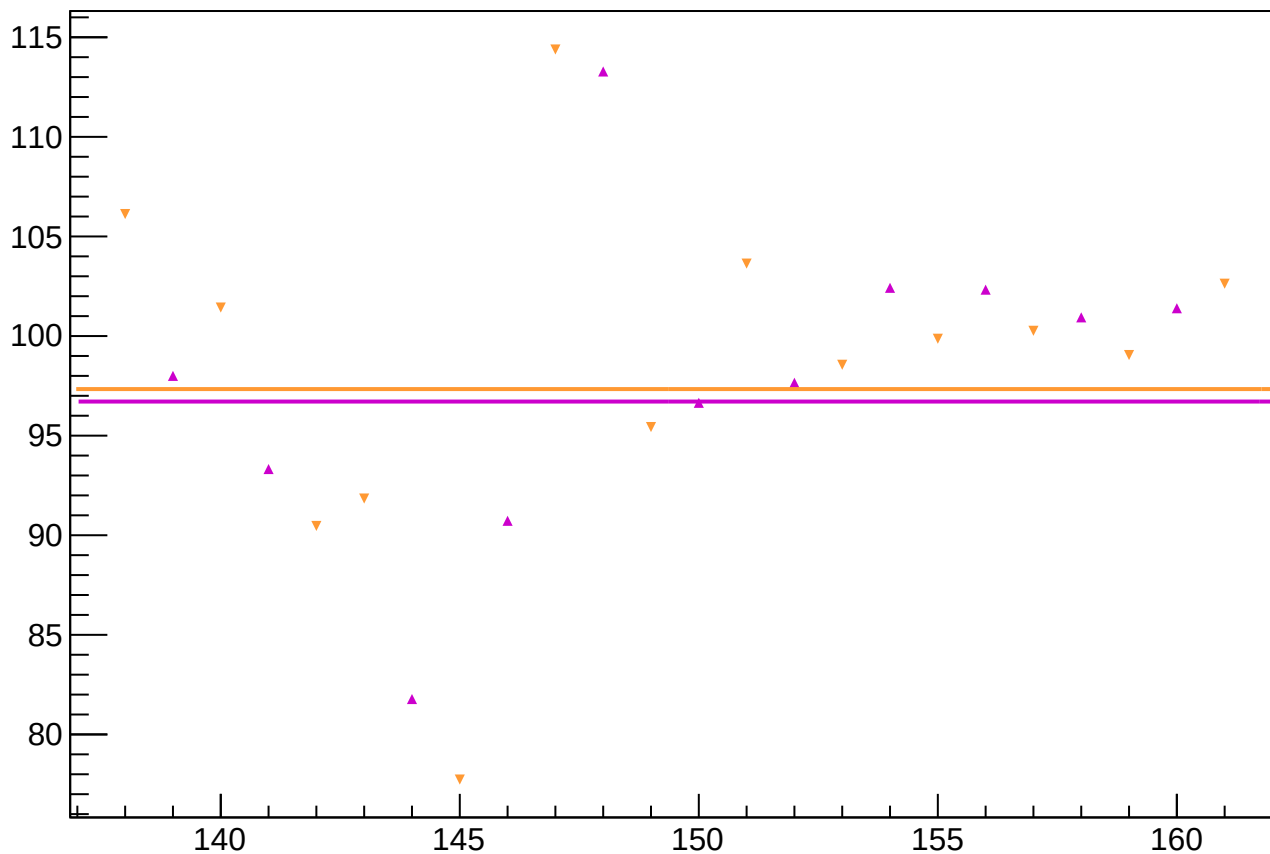
Left In: 10.120+/-32.403 χ^2/NDF : 6.2/10

39.284+/-31.311 χ^2/NDF : 10.2/12

25.202+/-22.516 χ^2/NDF : 16.9/23

10.120+/-32.403 χ^2/NDF : 6.2/10

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 97.338+/-0.022 χ^2 /NDF:168090.3/12

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

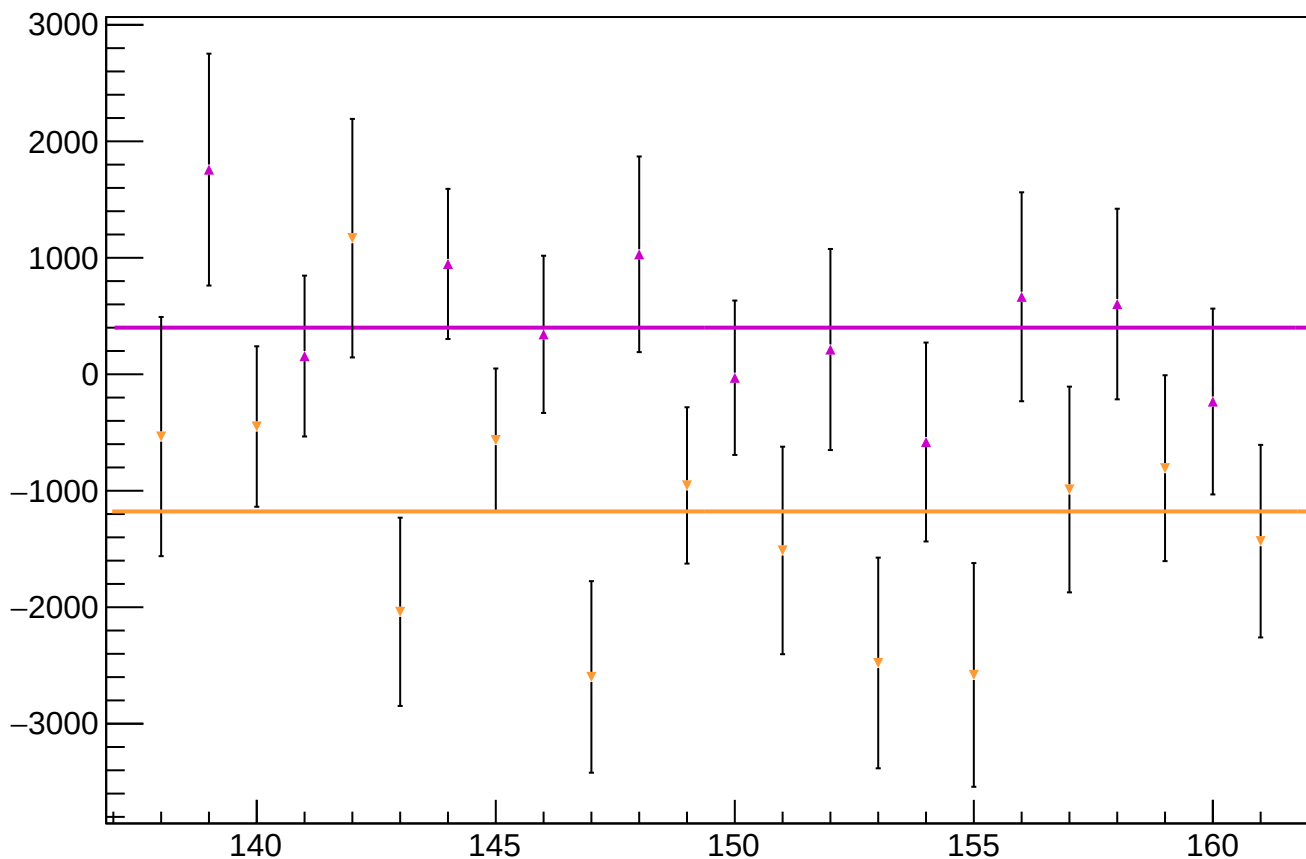
Left In: 96.711+/-0.023 χ^2 /NDF:116962.7/10

97.338+/-0.022 χ^2 /NDF: 168090.3/12

97.035+/-0.016 χ^2 /NDF: 285439.5/23

96.711+/-0.023 χ^2 /NDF: 116962.7/10

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1177.743+/-224.912 χ^2/NDF : 16.7/12

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

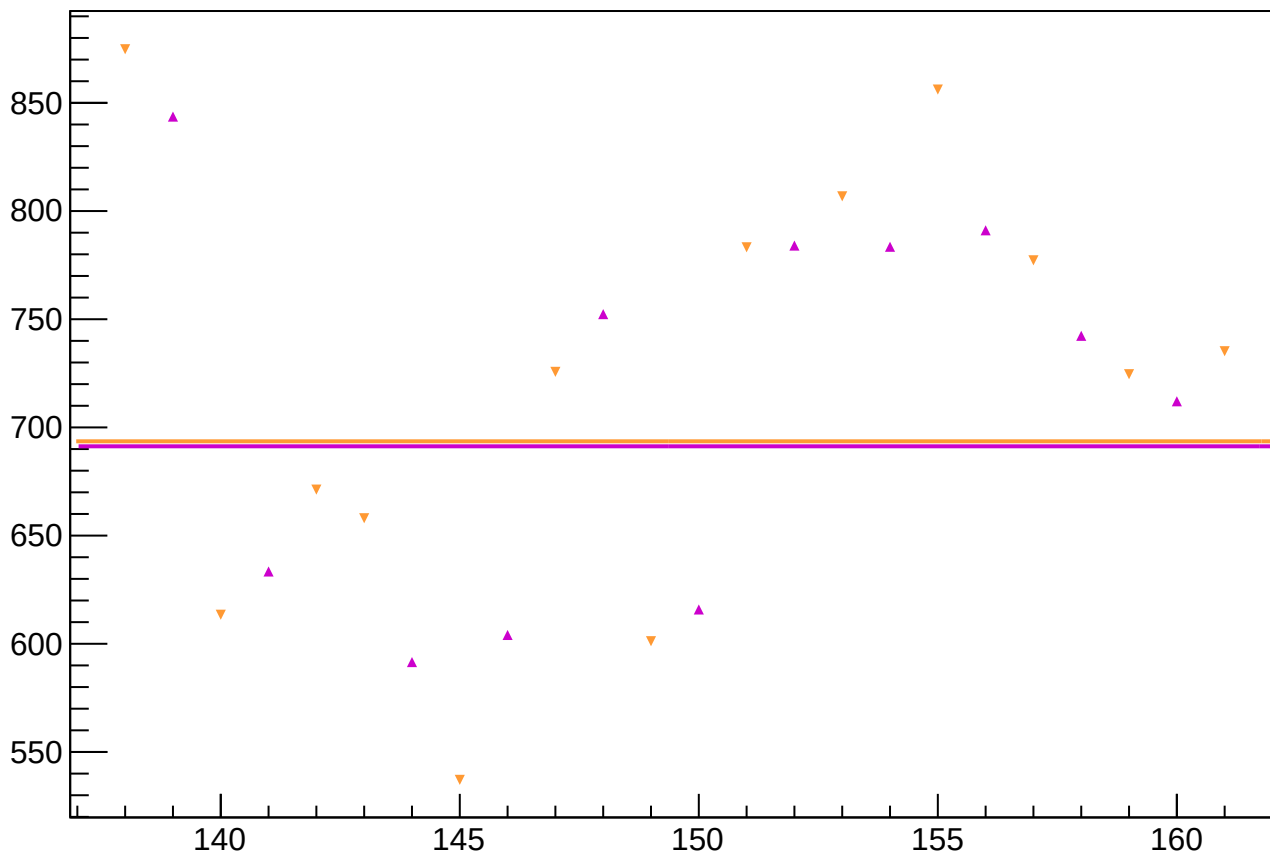
Left In: 400.278+/-232.965 χ^2/NDF : 5.8/10

-1177.743+/-224.912 χ^2/NDF : 16.7/12

-416.477+/-161.809 χ^2/NDF : 46.3/23

400.278+/-232.965 χ^2/NDF : 5.8/10

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 693.580+/-0.159 χ^2/NDF : 399676.4/12

693.580+/-0.159 χ^2/NDF : 399676.4/12

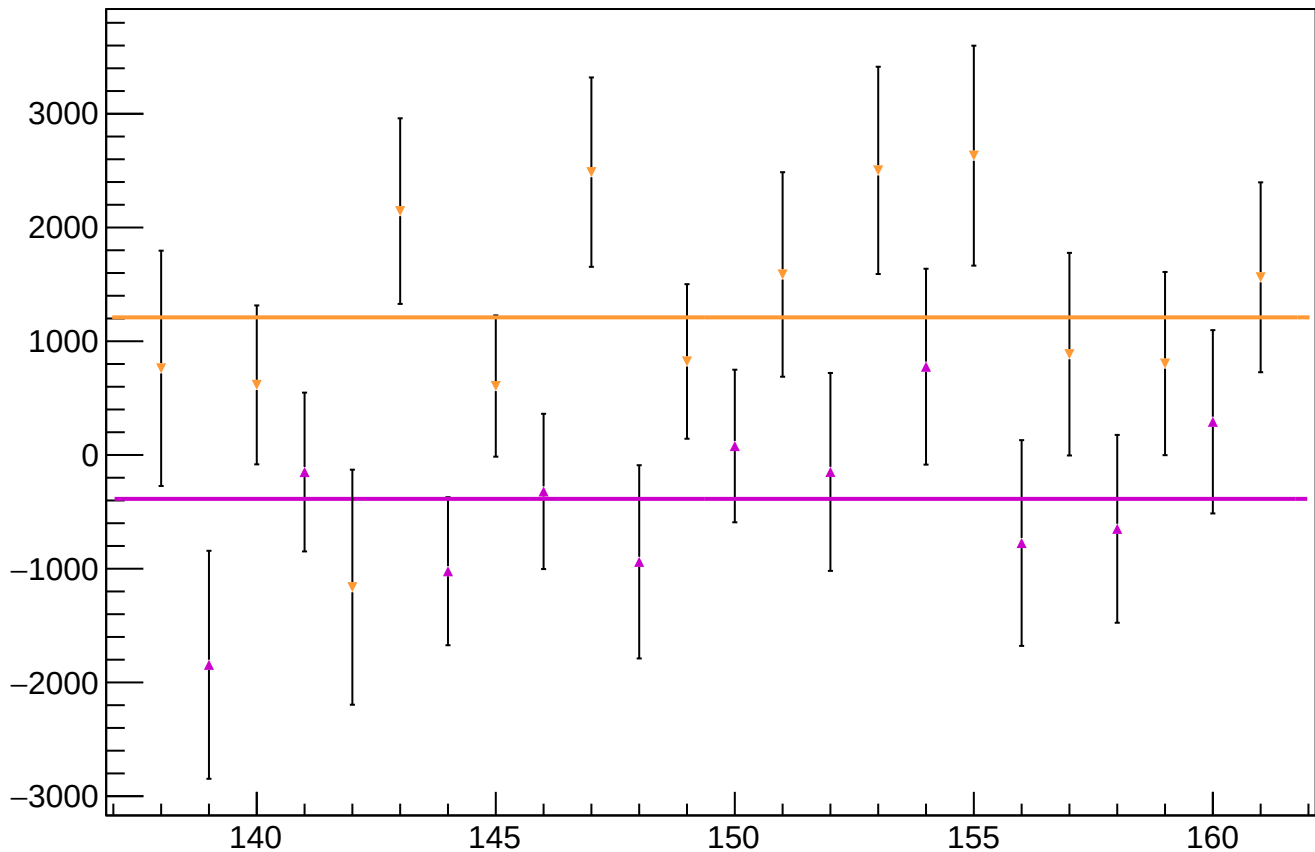
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

692.465+/-0.114 χ^2/NDF : 658789.9/23

Left In: 691.268+/-0.165 χ^2/NDF : 259011.5/10

691.268+/-0.165 χ^2/NDF : 259011.5/10

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1209.924 $\pm$ 227.221 χ^2/NDF :16.0/12

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

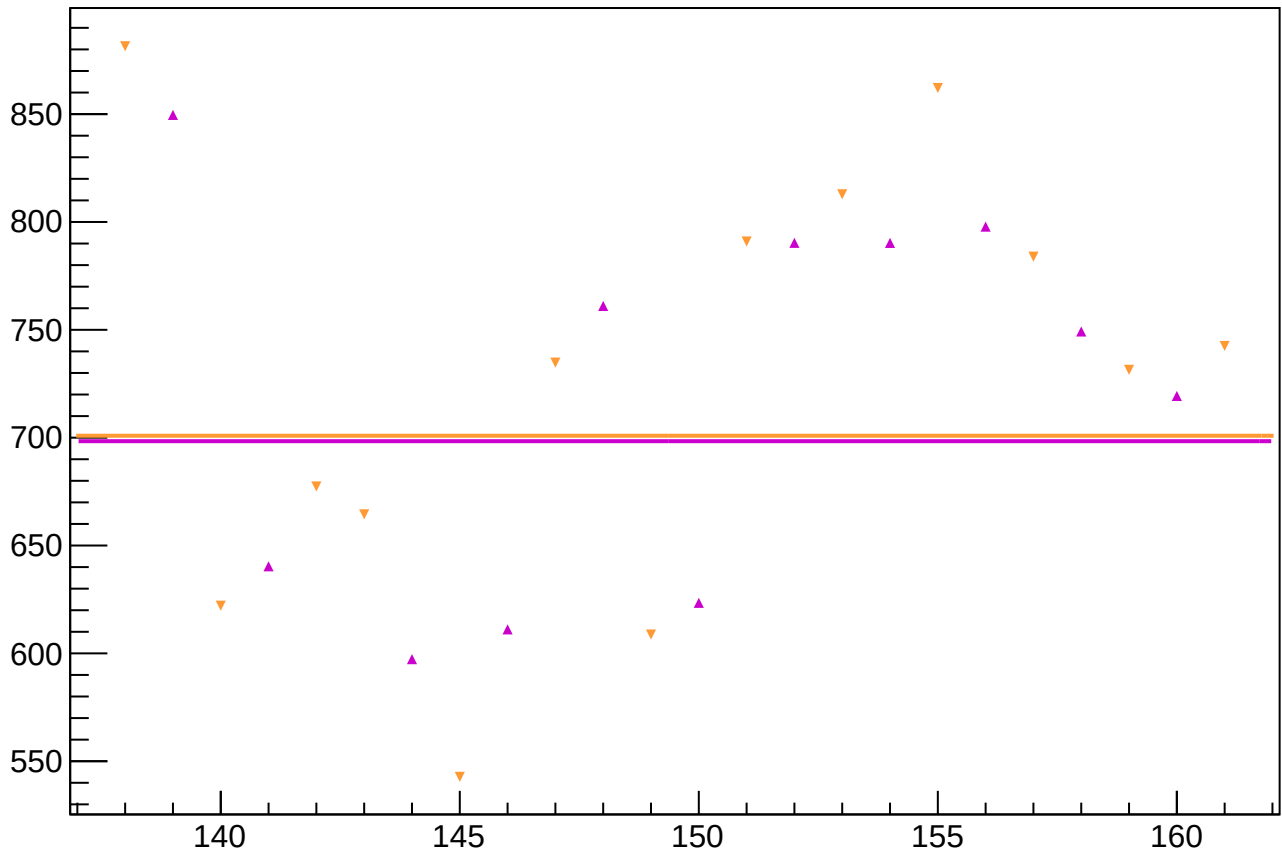
Left In: -385.956 $\pm$ 235.309 χ^2/NDF :7.0/10

1209.924 $\pm$ 227.221 χ^2/NDF : 16.0/12

439.882 $\pm$ 163.454 χ^2/NDF : 46.8/23

-385.956 $\pm$ 235.309 χ^2/NDF : 7.0/10

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 700.899+/-0.161 χ^2/NDF : 392202.0/12

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

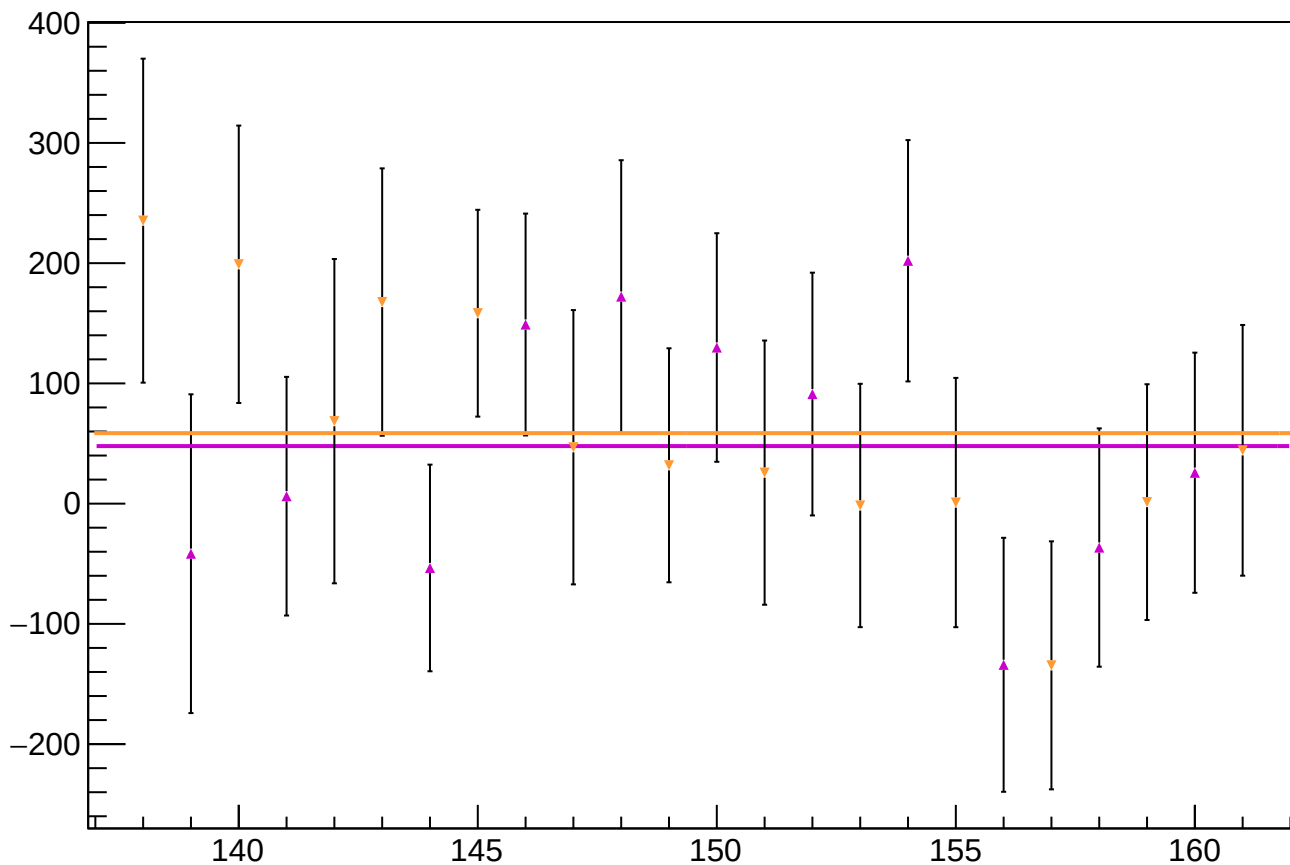
Left In: 698.368+/-0.166 χ^2/NDF : 254367.9/10

700.899+/-0.161 χ^2/NDF : 392202.0/12

699.678+/-0.116 χ^2/NDF : 646689.7/23

698.368+/-0.166 χ^2/NDF : 254367.9/10

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 58.645+/-29.522 χ^2/NDF :10.2/12

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

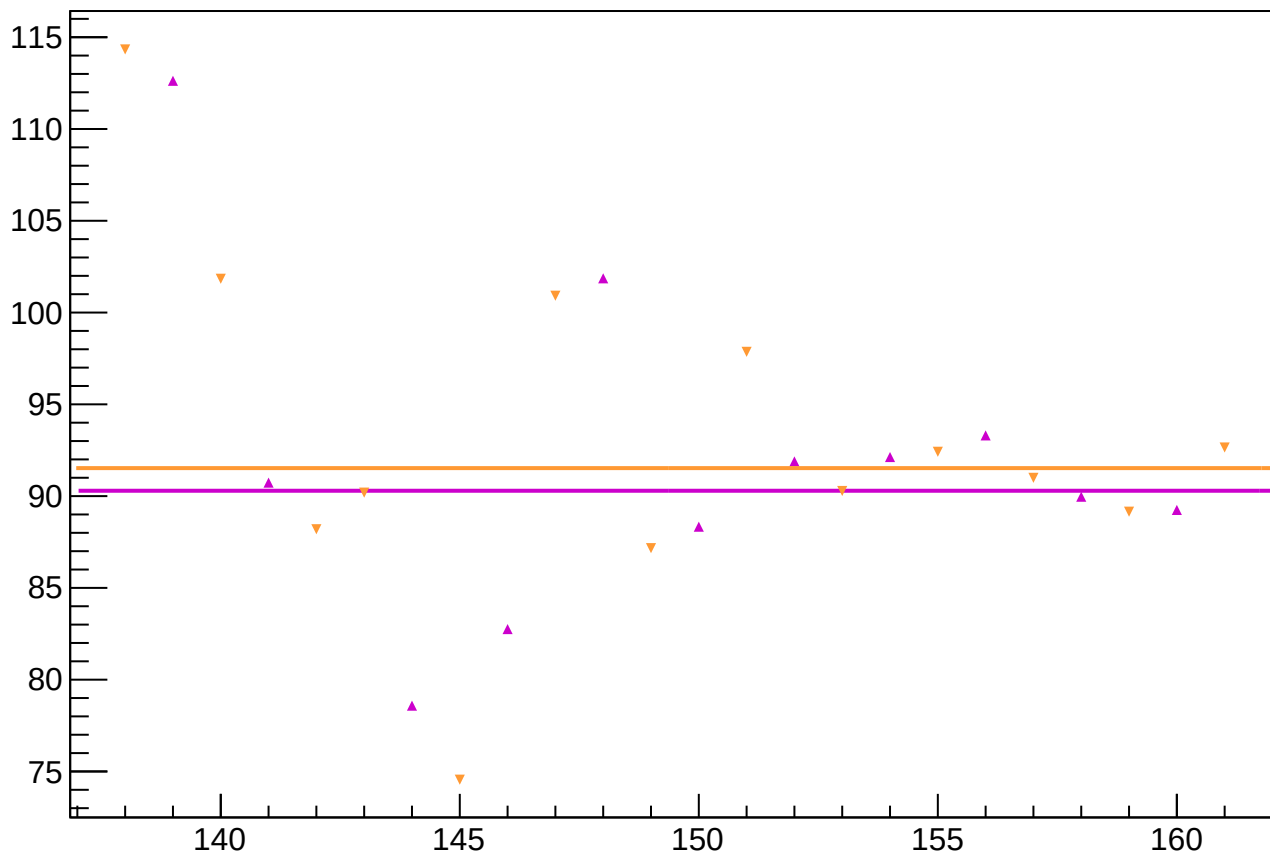
Left In: 47.865+/-30.304 χ^2/NDF :11.5/10

58.645+/-29.522 χ^2/NDF : 10.2/12

53.396+/-21.146 χ^2/NDF : 21.7/23

47.865+/-30.304 χ^2/NDF : 11.5/10

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.525+/-0.021 χ^2/NDF :178870.0/12

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

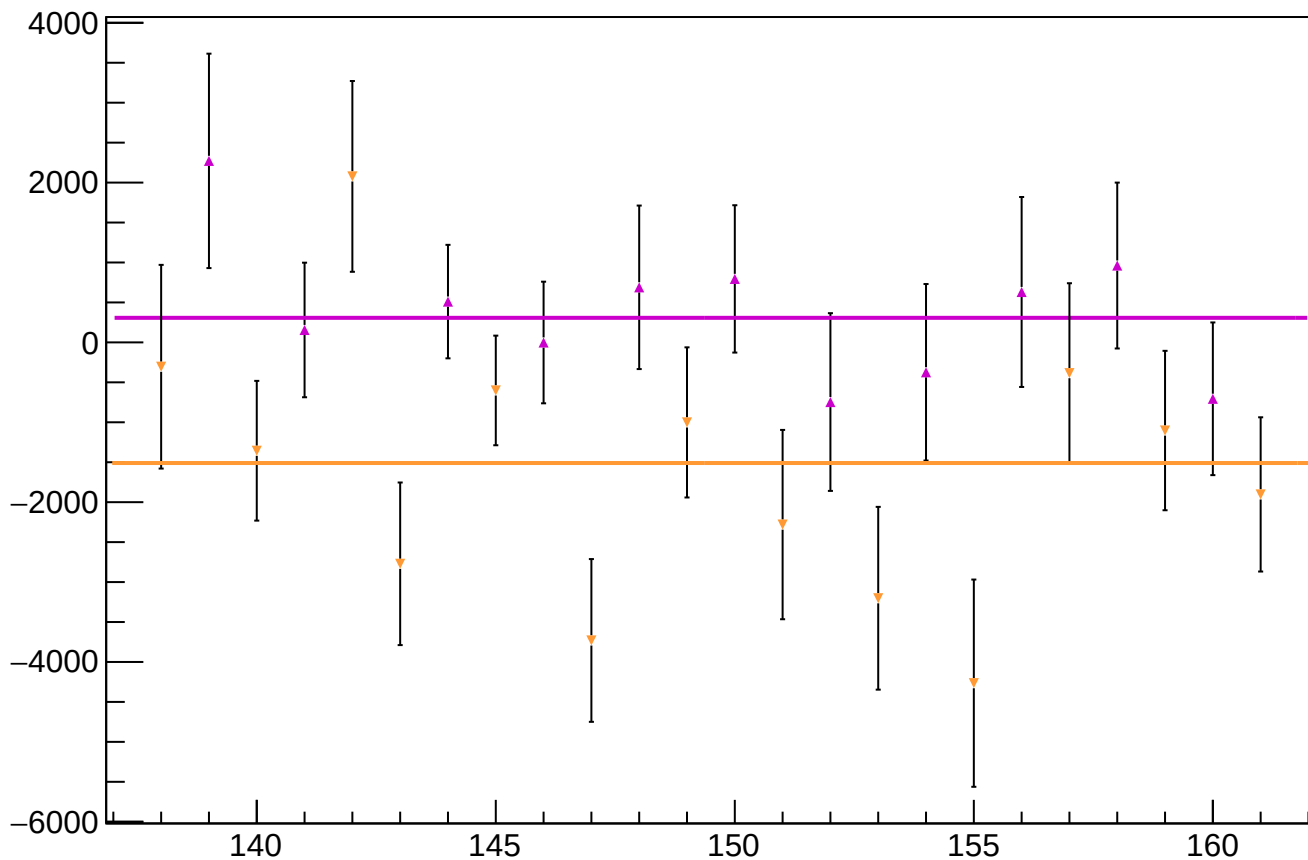
Left In: 90.292+/-0.021 χ^2/NDF :131996.8/10

91.525+/-0.021 χ^2/NDF : 178870.0/12

90.925+/-0.015 χ^2/NDF : 312565.7/23

90.292+/-0.021 χ^2/NDF : 131996.8/10

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1509.903 $\pm$ 280.052 χ^2 /NDF:26.7/12

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

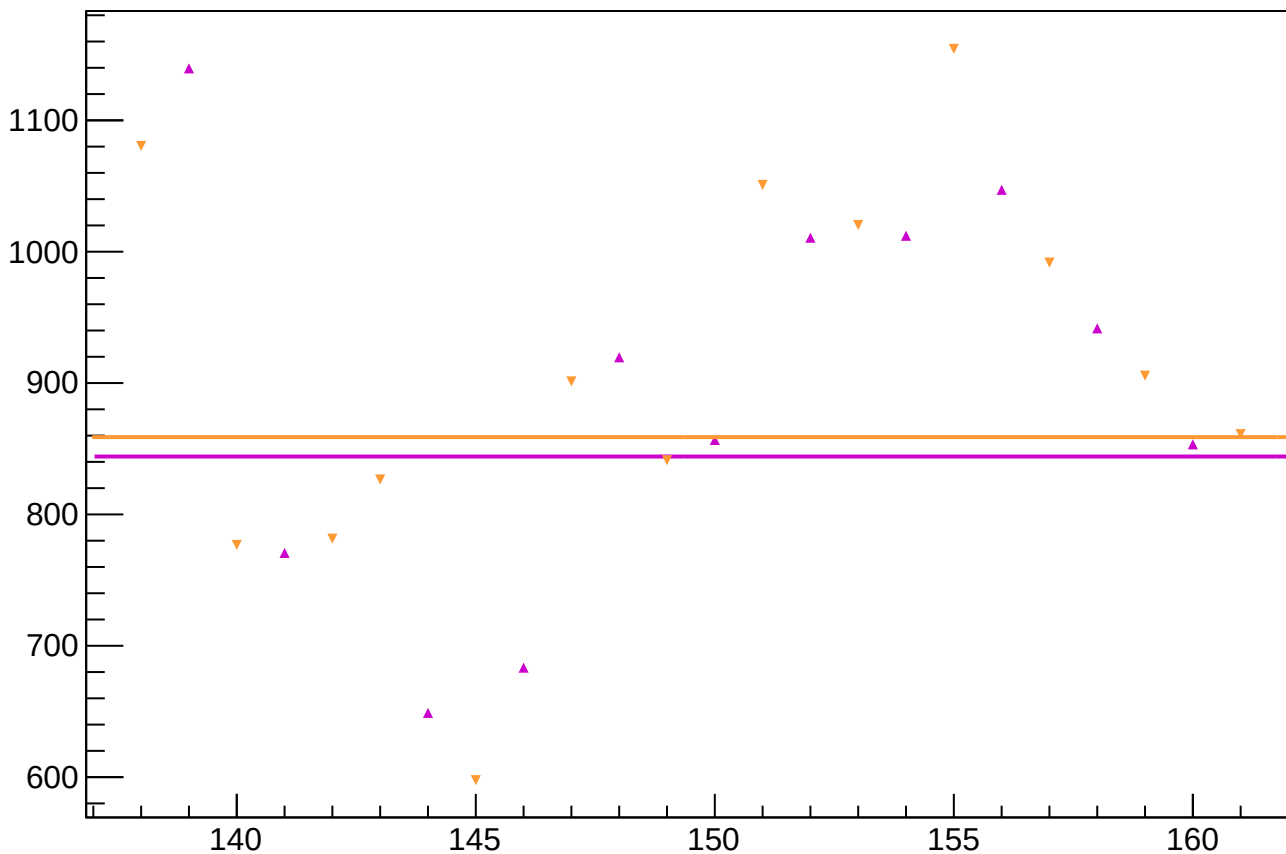
Left In: 307.346 $\pm$ 286.728 χ^2 /NDF:5.7/10

-1509.903 $\pm$ 280.052 χ^2 /NDF: 26.7/12

-622.680 $\pm$ 200.345 χ^2 /NDF: 53.0/23

307.346 $\pm$ 286.728 χ^2 /NDF: 5.7/10

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 858.838+/-0.198 χ^2/NDF : 610991.1/12

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

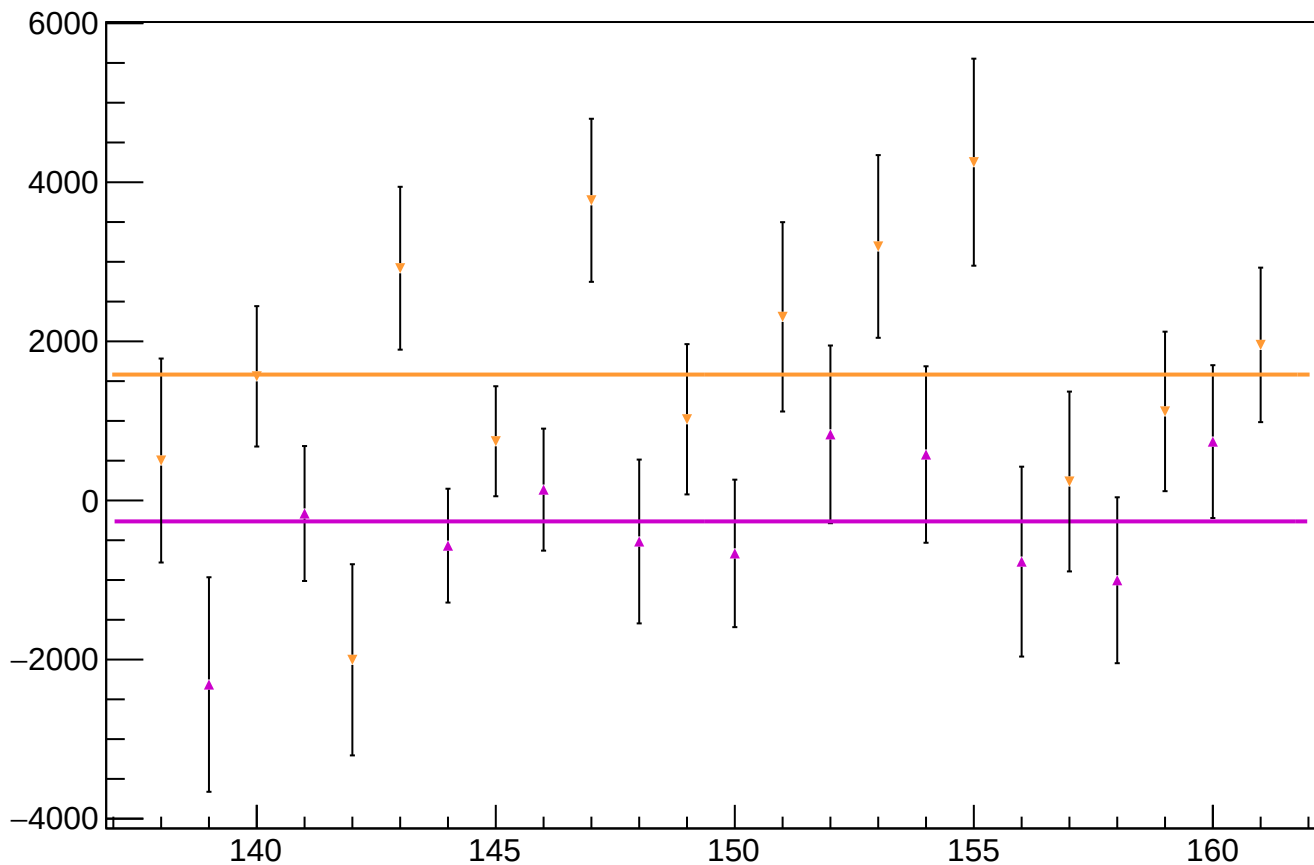
Left In: 844.092+/-0.203 χ^2/NDF : 531039.3/10

858.838+/-0.198 χ^2/NDF : 610991.1/12

851.638+/-0.142 χ^2/NDF : 1144737.8/23

844.092+/-0.203 χ^2/NDF : 531039.3/10

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1582.725+/-281.756 χ^2/NDF : 26.0/12

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

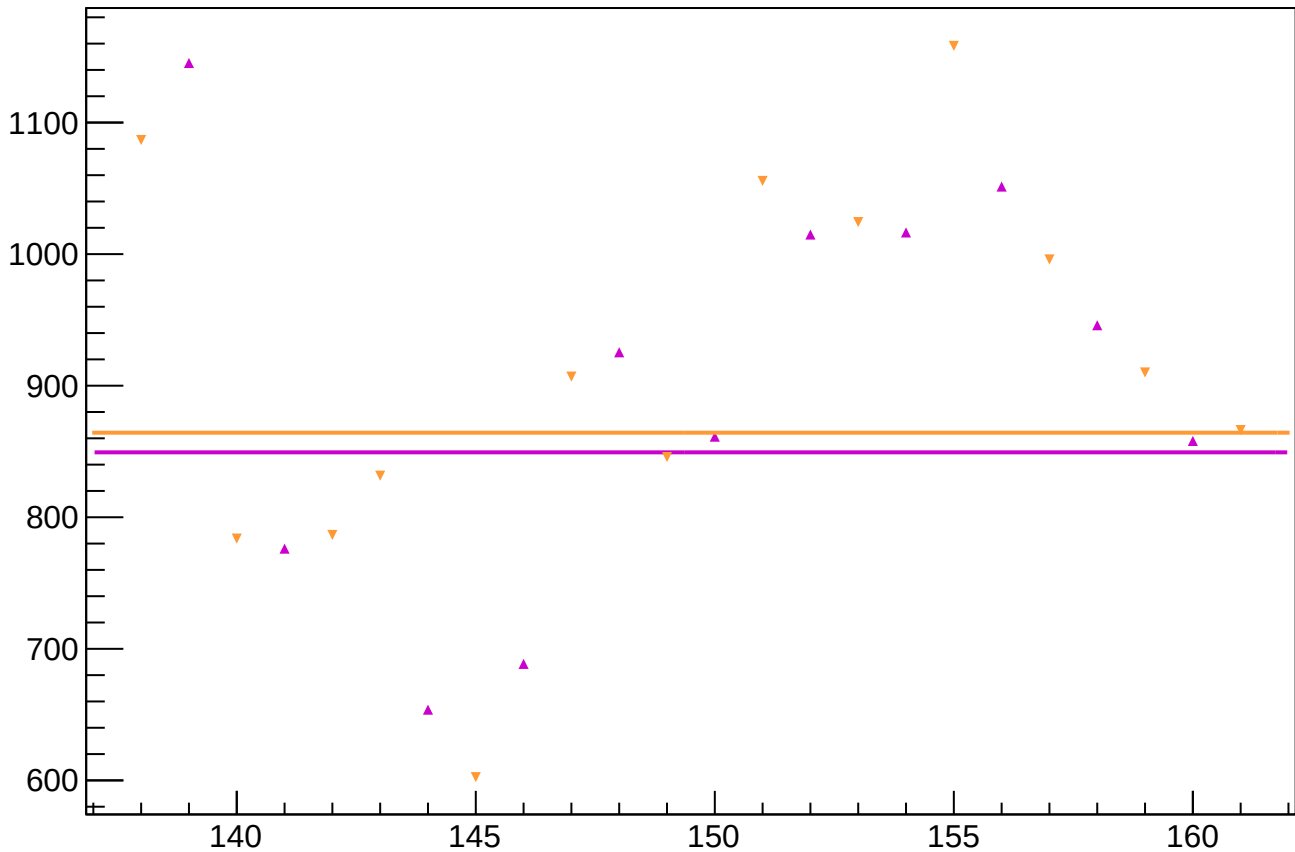
Left In: -263.235+/-288.440 χ^2/NDF : 6.3/10

1582.725+/-281.756 χ^2/NDF : 26.0/12

681.381+/-201.553 χ^2/NDF : 53.3/23

-263.235+/-288.440 χ^2/NDF : 6.3/10

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 864.281±/-0.199 χ^2/NDF : 602171.2/12

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

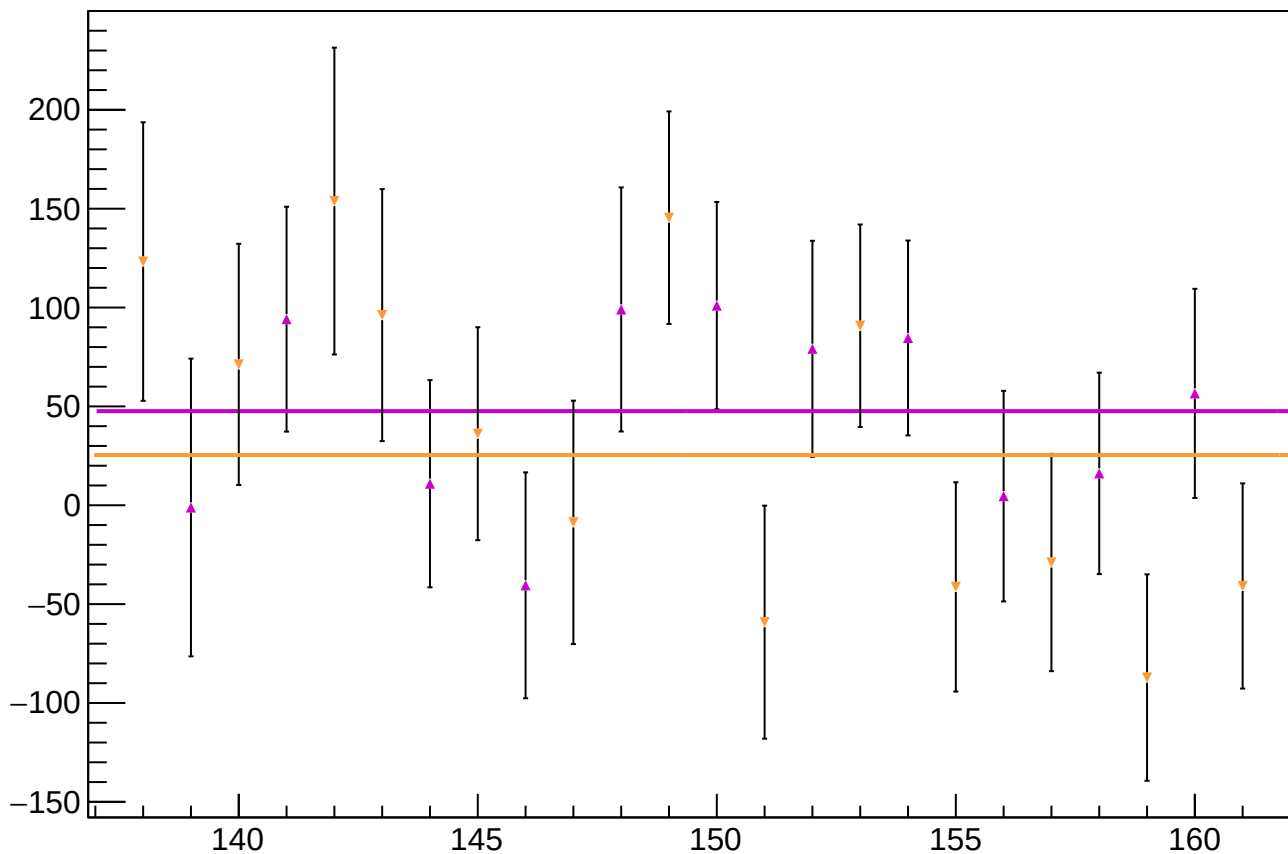
Left In: 849.334±/-0.204 χ^2/NDF : 523739.3/10

864.281±/-0.199 χ^2/NDF : 602171.2/12

856.983±/-0.143 χ^2/NDF : 1128658.7/23

849.334±/-0.204 χ^2/NDF : 523739.3/10

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 25.398+/-15.945 χ^2/NDF : 24.3/12

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

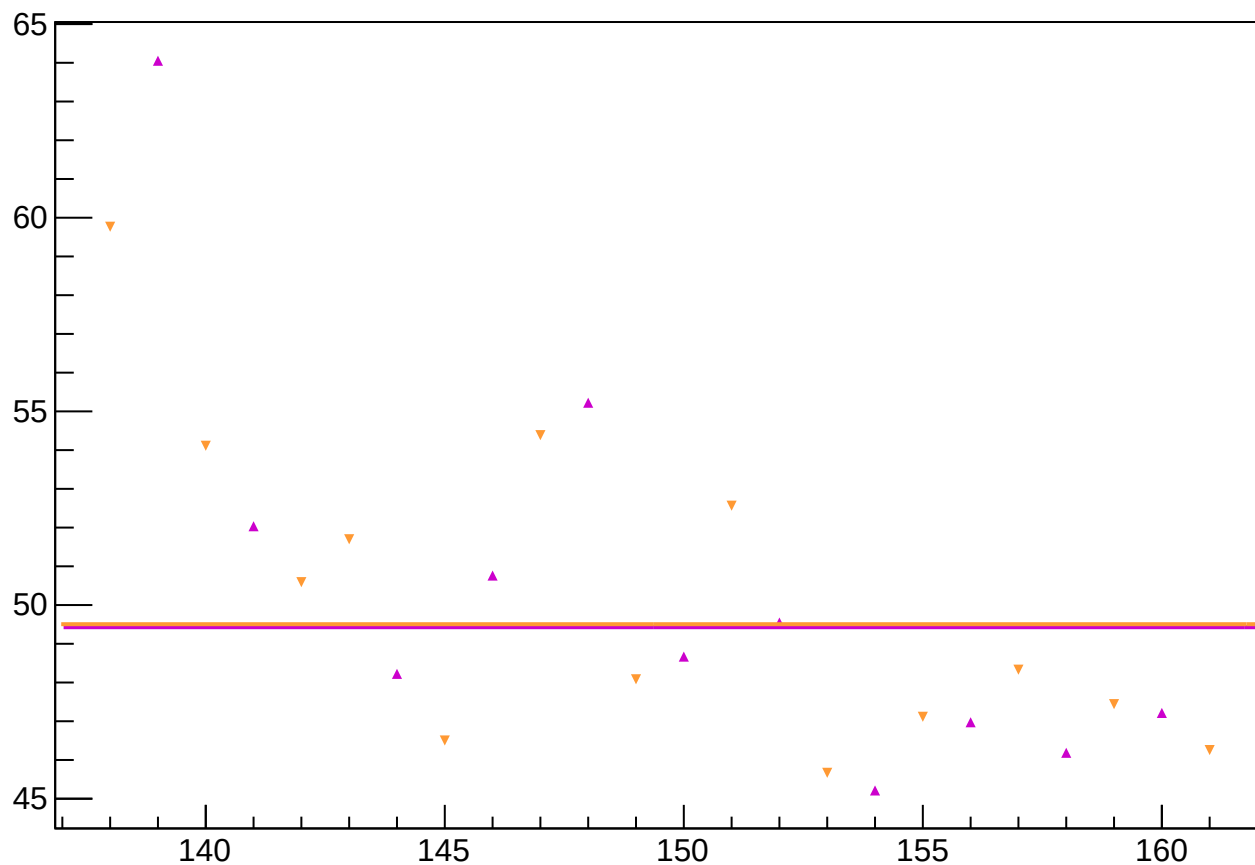
Left In: 47.627+/-16.609 χ^2/NDF : 7.6/10

25.398+/-15.945 χ^2/NDF : 24.3/12

36.060+/-11.502 χ^2/NDF : 32.9/23

47.627+/-16.609 χ^2/NDF : 7.6/10

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 49.505+/-0.011 χ^2/NDF : 109385.8/12

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

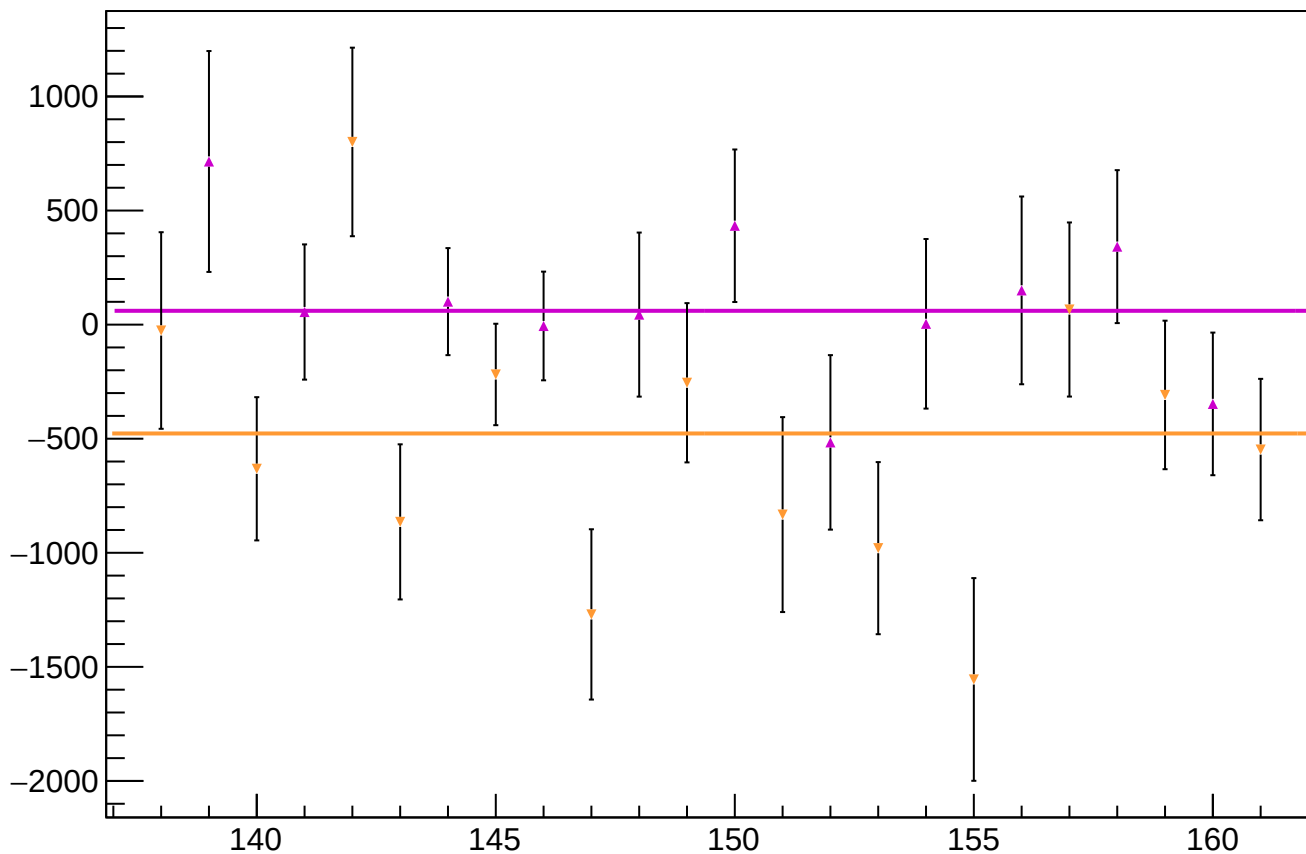
Left In: 49.428+/-0.012 χ^2/NDF : 130350.2/10

49.505+/-0.011 χ^2/NDF : 109385.8/12

49.468+/-0.008 χ^2/NDF : 239758.7/23

49.428+/-0.012 χ^2/NDF : 130350.2/10

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -477.024 $\pm$ 95.360 χ^2 /NDF:29.2/12

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

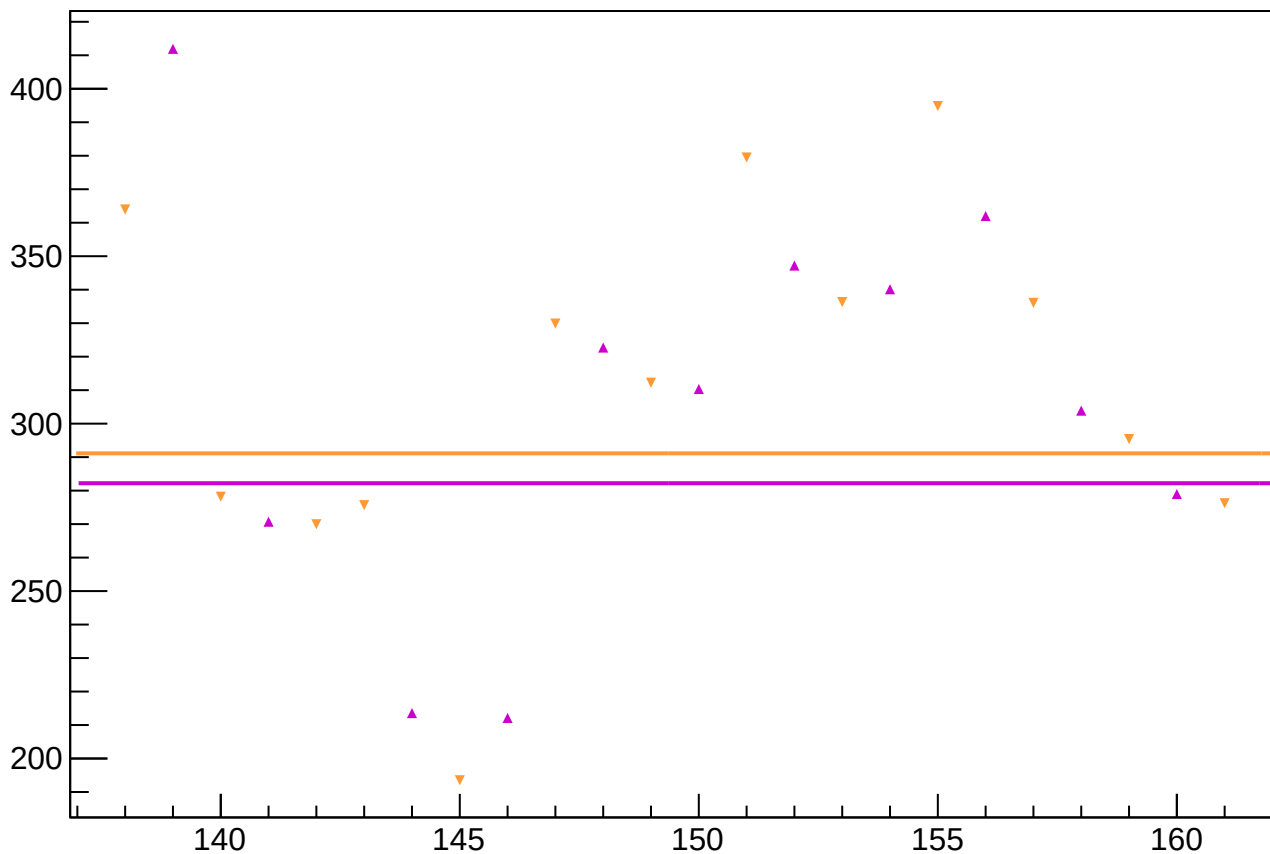
Left In: 60.612 $\pm$ 96.559 χ^2 /NDF:7.9/10

-477.024 $\pm$ 95.360 χ^2 /NDF: 29.2/12

-211.564 $\pm$ 67.849 χ^2 /NDF: 52.8/23

60.612 $\pm$ 96.559 χ^2 /NDF: 7.9/10

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 291.129+/-0.067 χ^2/NDF : 740497.3/12

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

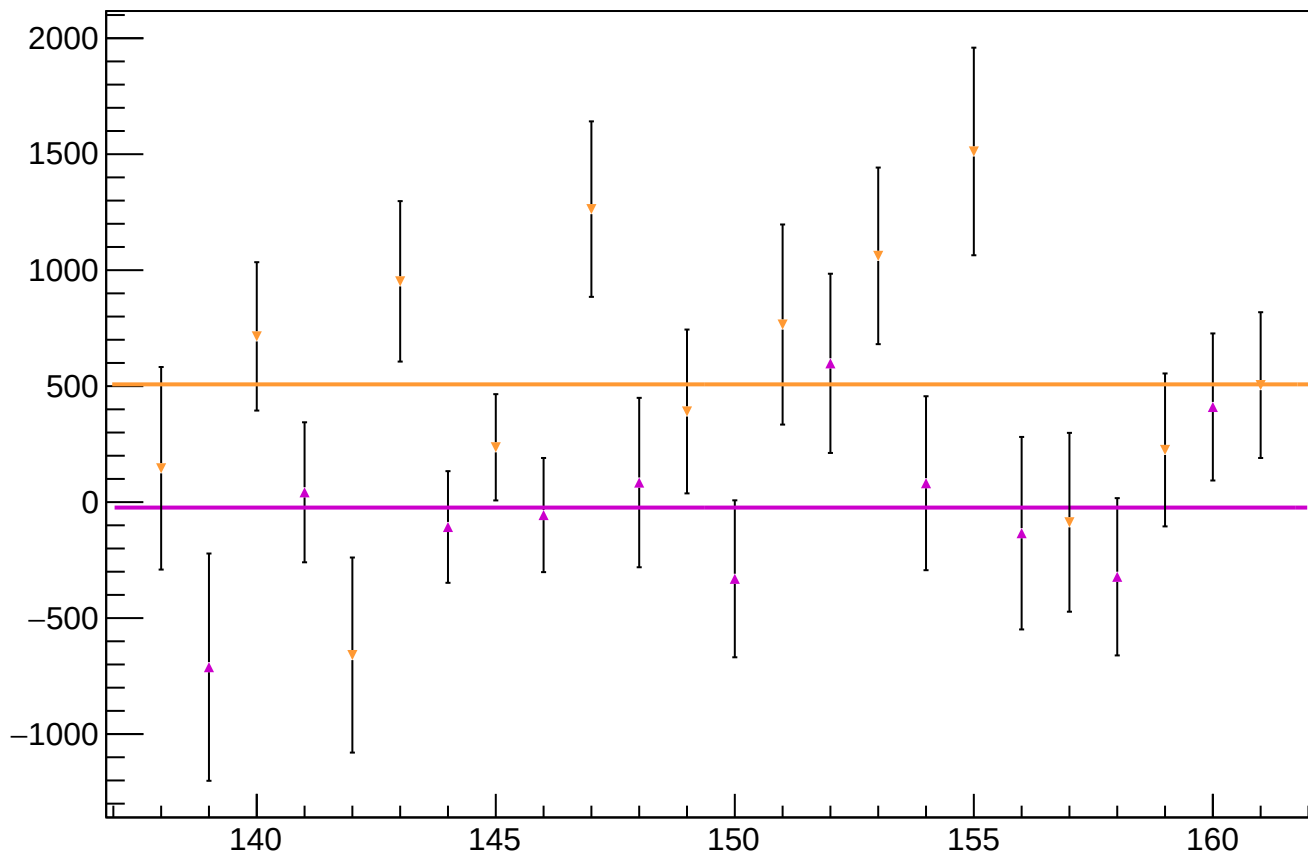
Left In: 282.211+/-0.068 χ^2/NDF : 720760.8/10

291.129+/-0.067 χ^2/NDF : 740497.3/12

286.726+/-0.048 χ^2/NDF : 1469895.1/23

282.211+/-0.068 χ^2/NDF : 720760.8/10

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 507.682+/-96.941 χ^2/NDF : 26.6/12

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

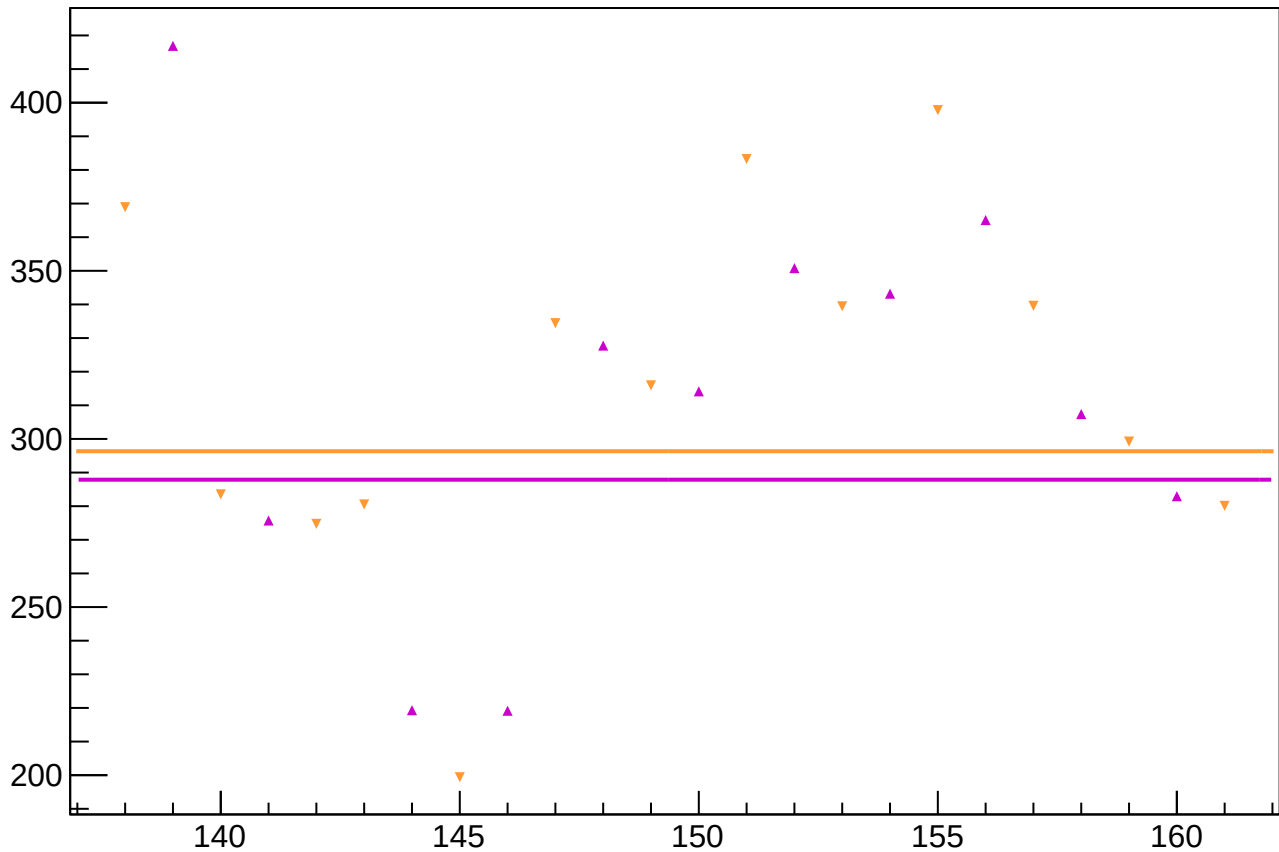
Left In: -23.537+/-98.336 χ^2/NDF : 8.5/10

507.682+/-96.941 χ^2/NDF : 26.6/12

245.865+/-69.036 χ^2/NDF : 49.8/23

-23.537+/-98.336 χ^2/NDF : 8.5/10

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 296.347+/-0.069 χ^2/NDF : 692829.1/12

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

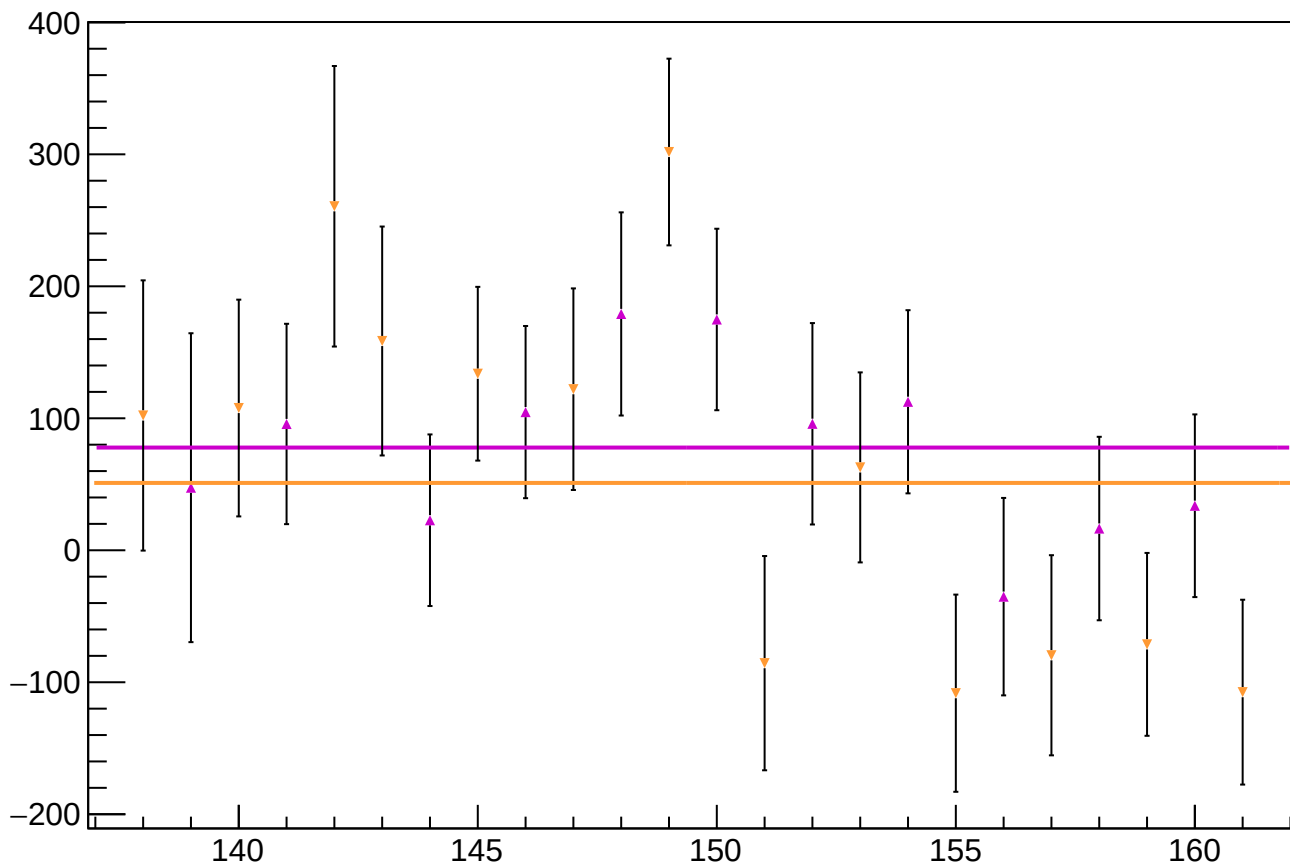
Left In: 287.877+/-0.070 χ^2/NDF : 668902.4/10

296.347+/-0.069 χ^2/NDF : 692829.1/12

292.172+/-0.049 χ^2/NDF : 1369257.9/23

287.877+/-0.070 χ^2/NDF : 668902.4/10

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 51.029+/-21.430 χ^2/NDF : 39.8/12

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

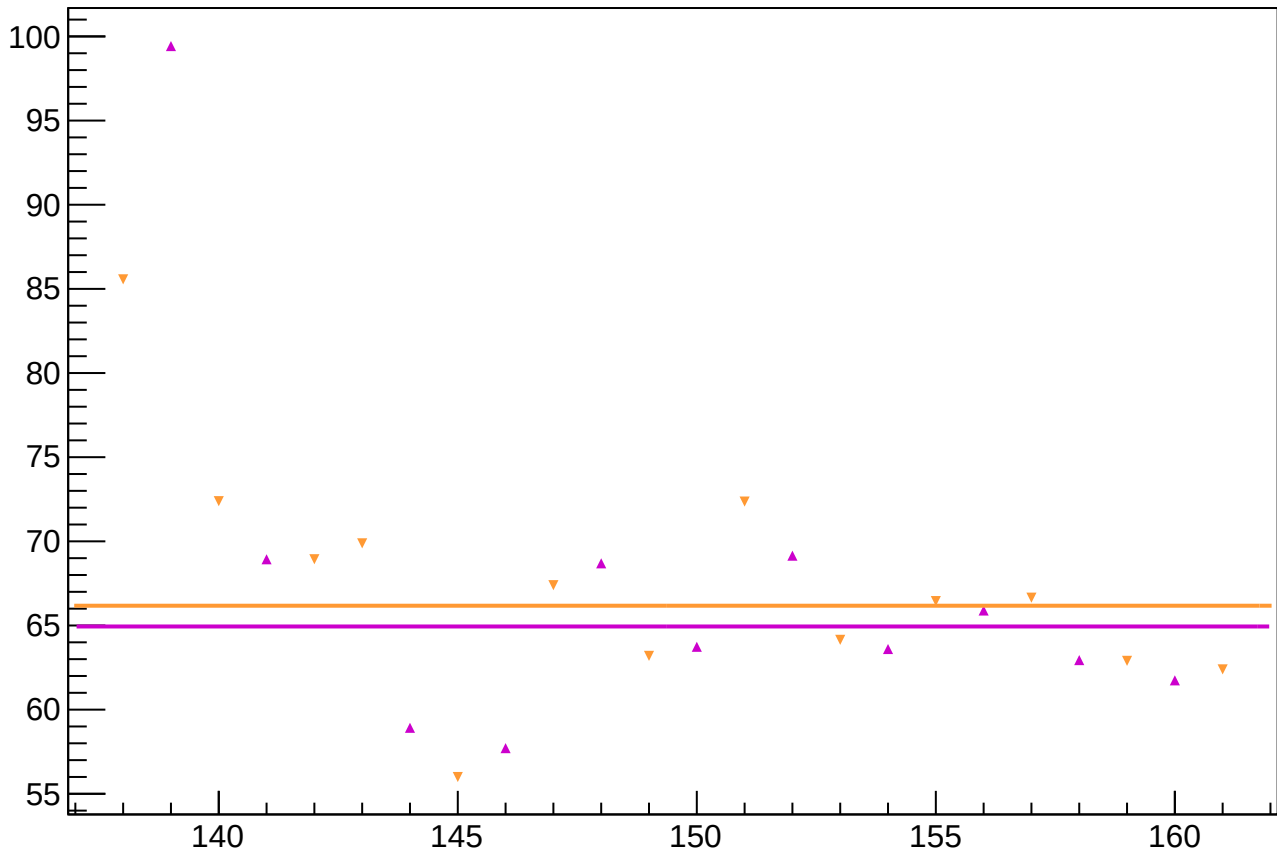
Left In: 77.818+/-21.966 χ^2/NDF : 8.5/10

51.029+/-21.430 χ^2/NDF : 39.8/12

64.093+/-15.339 χ^2/NDF : 49.0/23

77.818+/-21.966 χ^2/NDF : 8.5/10

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 66.175+/-0.015 χ^2/NDF : 163701.6/12

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

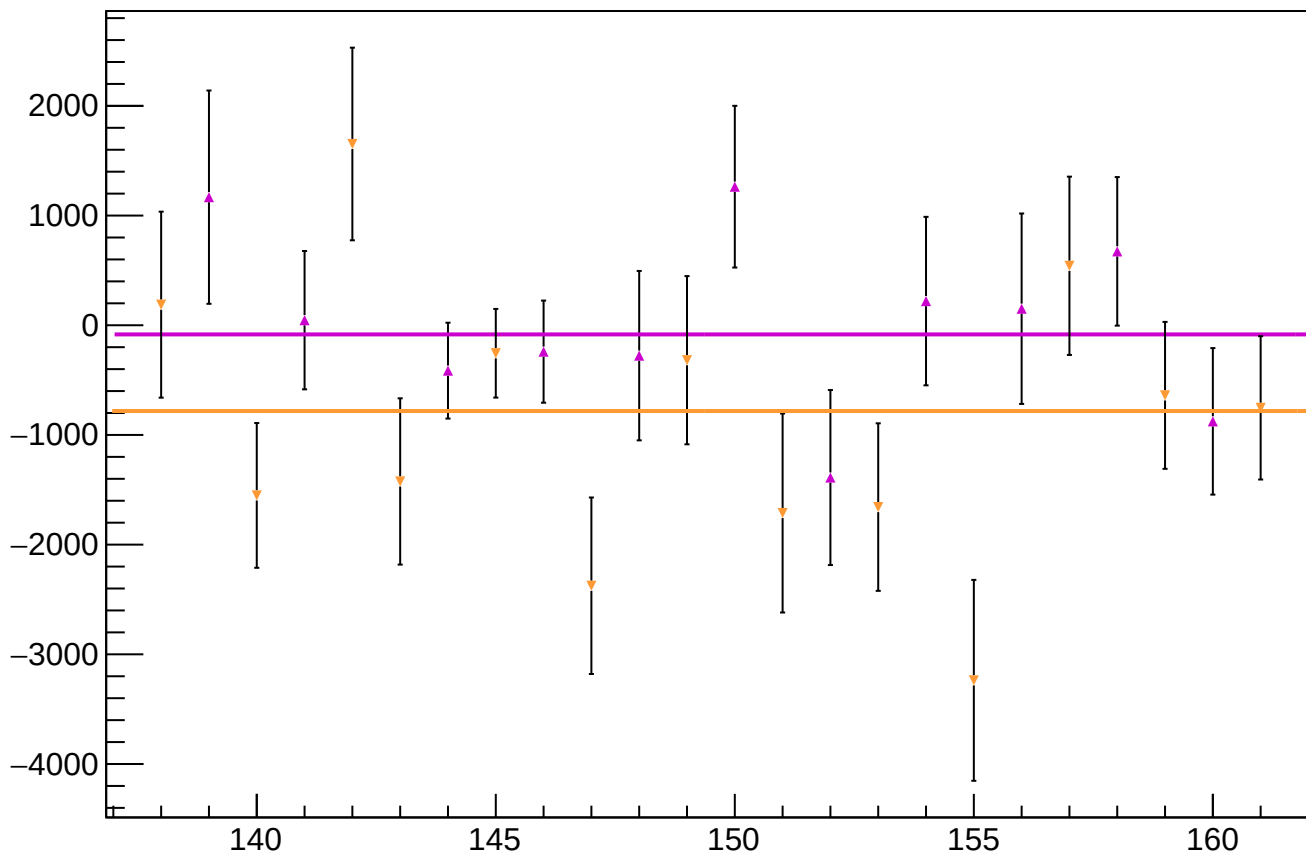
Left In: 64.941+/-0.016 χ^2/NDF : 239381.1/10

66.175+/-0.015 χ^2/NDF : 163701.6/12

65.573+/-0.011 χ^2/NDF : 406312.9/23

64.941+/-0.016 χ^2/NDF : 239381.1/10

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -781.808+/-194.991 χ^2/NDF : 29.3/12

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

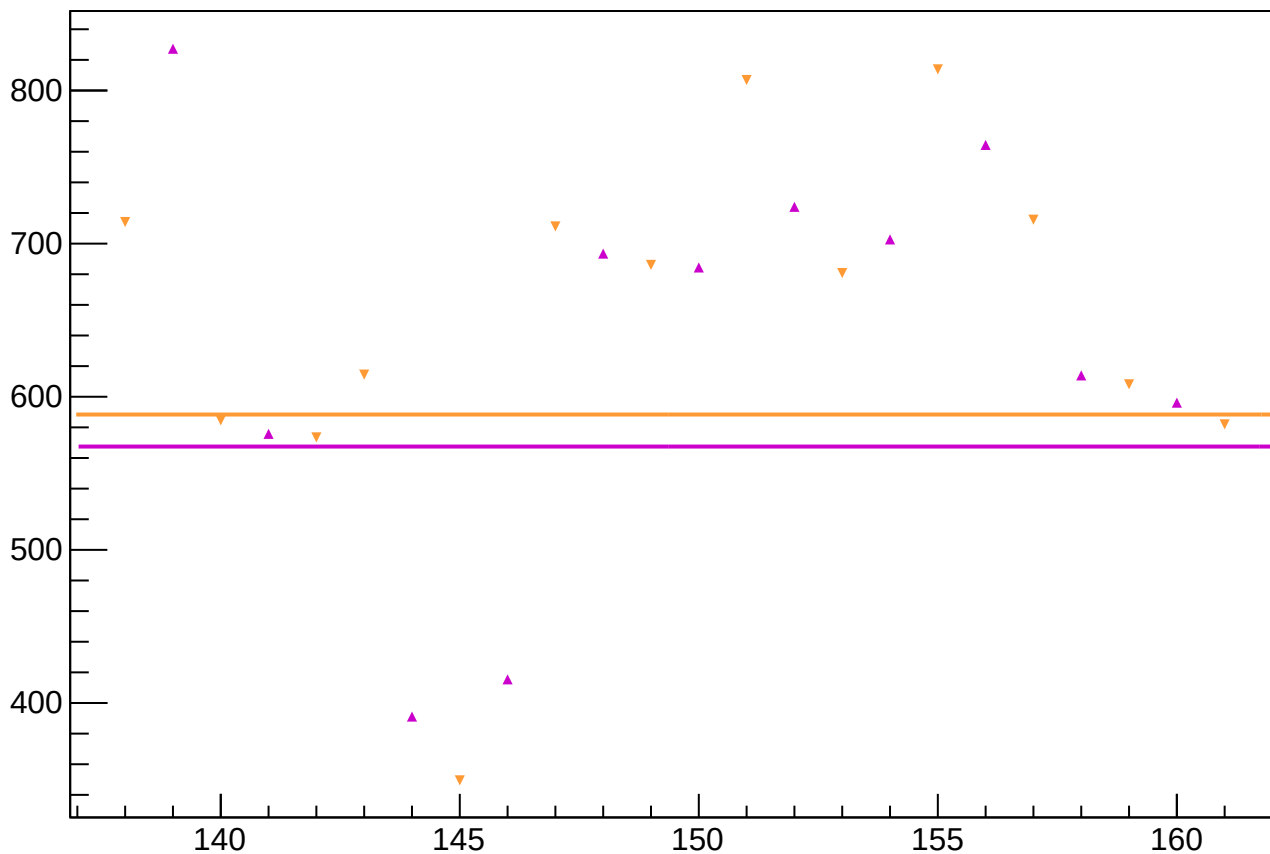
Left In: -83.513+/-196.280 χ^2/NDF : 11.3/10

-781.808+/-194.991 χ^2/NDF : 29.3/12

-434.960+/-138.333 χ^2/NDF : 47.0/23

-83.513+/-196.280 χ^2/NDF : 11.3/10

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 588.392+/-0.138 χ^2/NDF :1142318.7/12

588.392+/-0.138 χ^2/NDF : 1142318.7/12

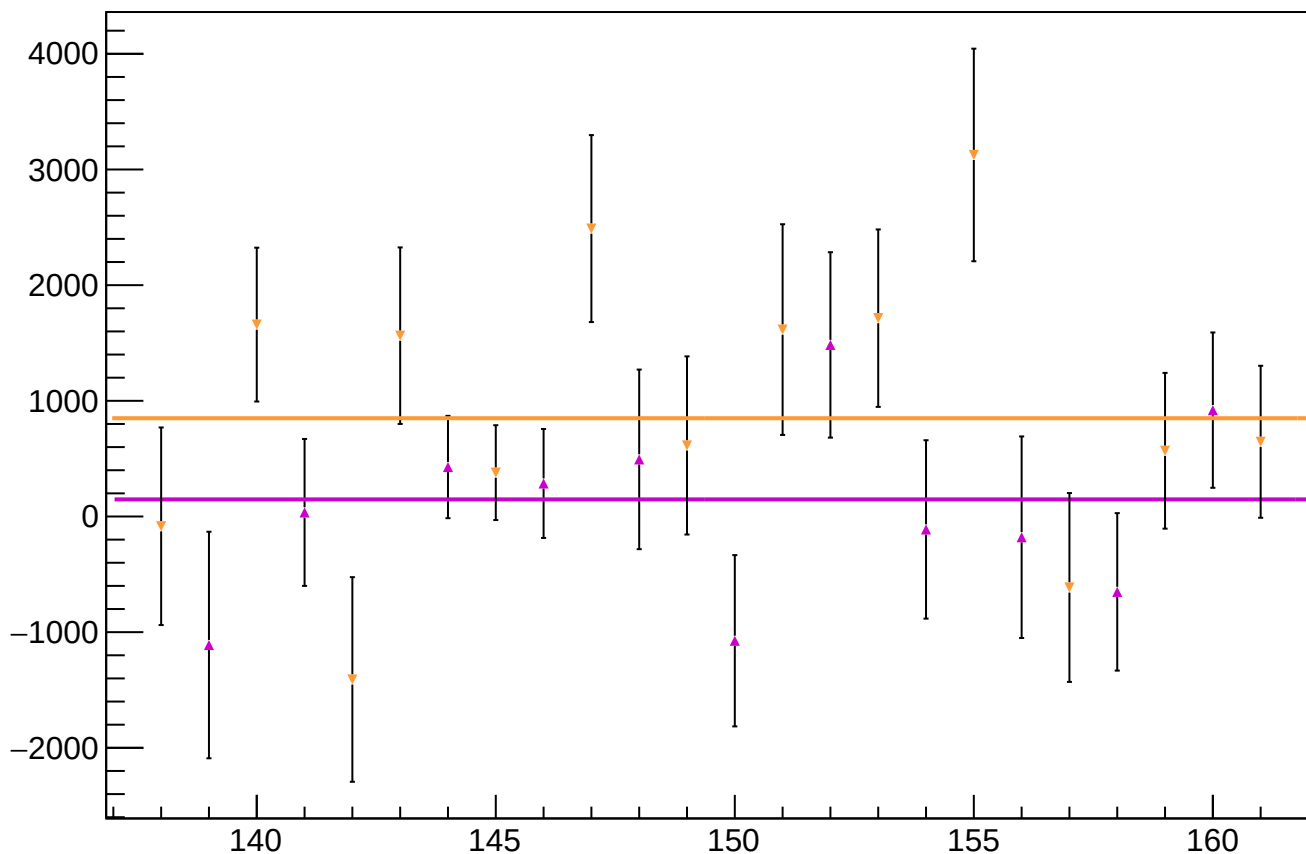
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

578.002+/-0.098 χ^2/NDF : 2194606.5/23

Left In: 567.474+/-0.139 χ^2/NDF :1040855.0/10

567.474+/-0.139 χ^2/NDF : 1040855.0/10

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 849.746+/-196.478 χ^2/NDF : 27.2/12

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

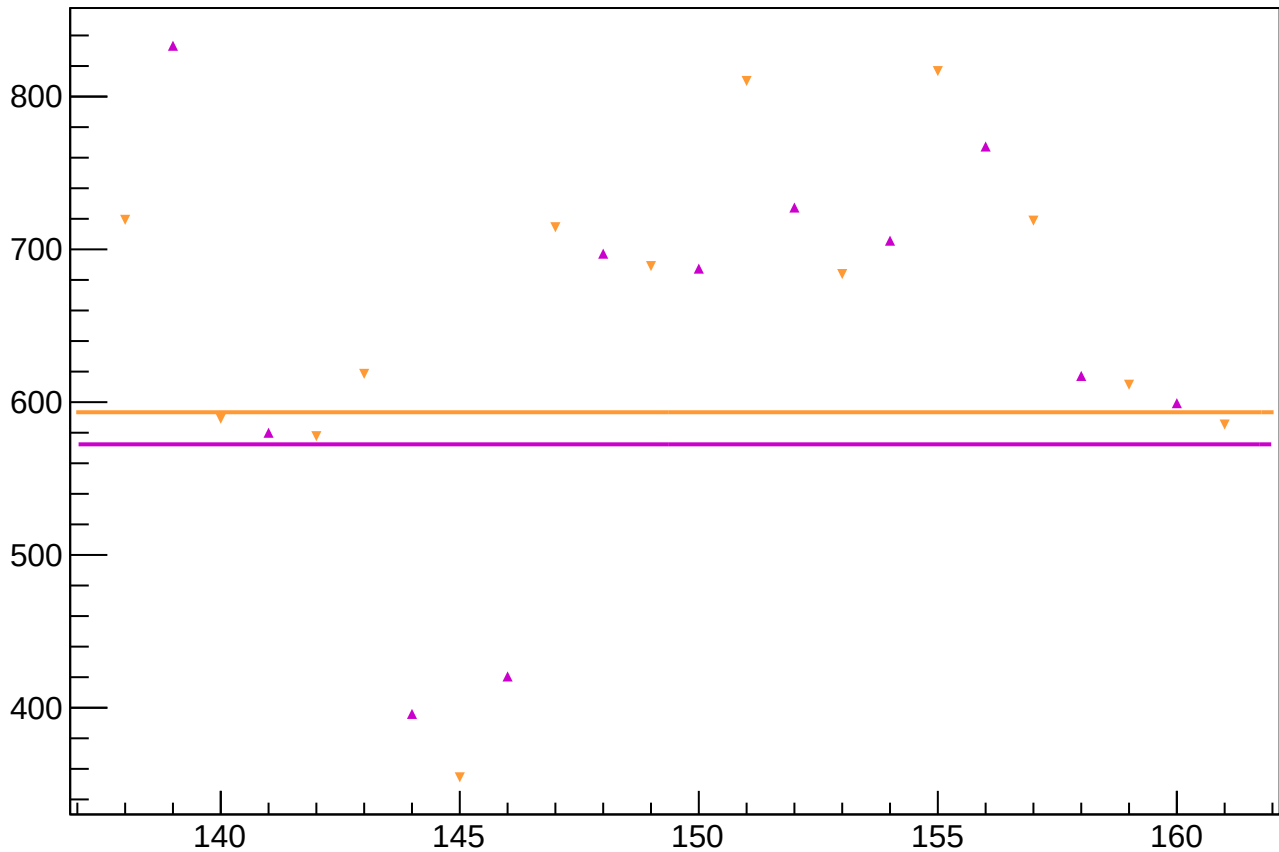
Left In: 147.879+/-197.824 χ^2/NDF : 10.8/10

849.746+/-196.478 χ^2/NDF : 27.2/12

501.207+/-139.404 χ^2/NDF : 44.4/23

147.879+/-197.824 χ^2/NDF : 10.8/10

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 593.398+/-0.139 χ^2/NDF :1109430.7/12

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

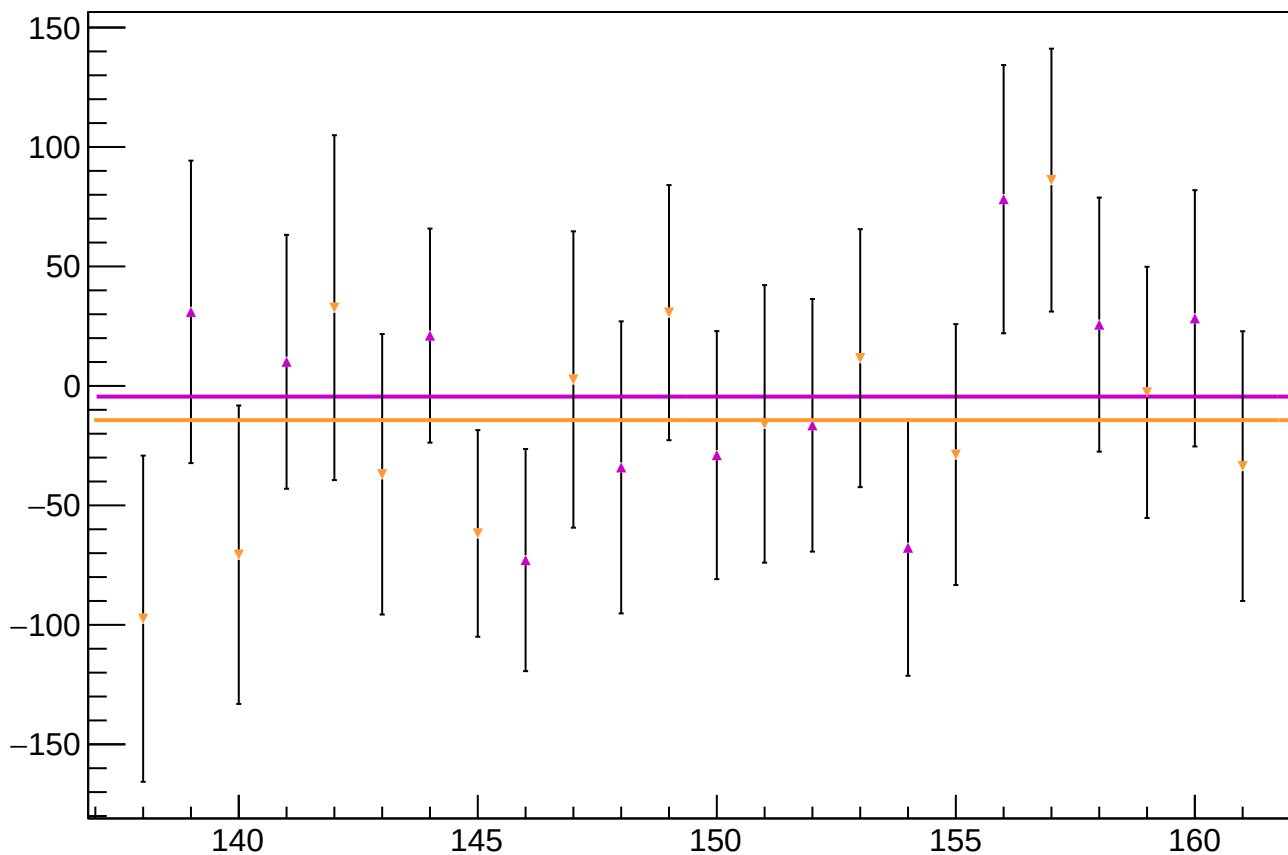
Left In: 572.402+/-0.140 χ^2/NDF :1014880.4/10

593.398+/-0.139 χ^2/NDF : 1109430.7/12

582.972+/-0.099 χ^2/NDF : 2135653.3/23

572.402+/-0.140 χ^2/NDF : 1014880.4/10

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -14.325+/-15.655 χ^2/NDF : 8.7/12

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

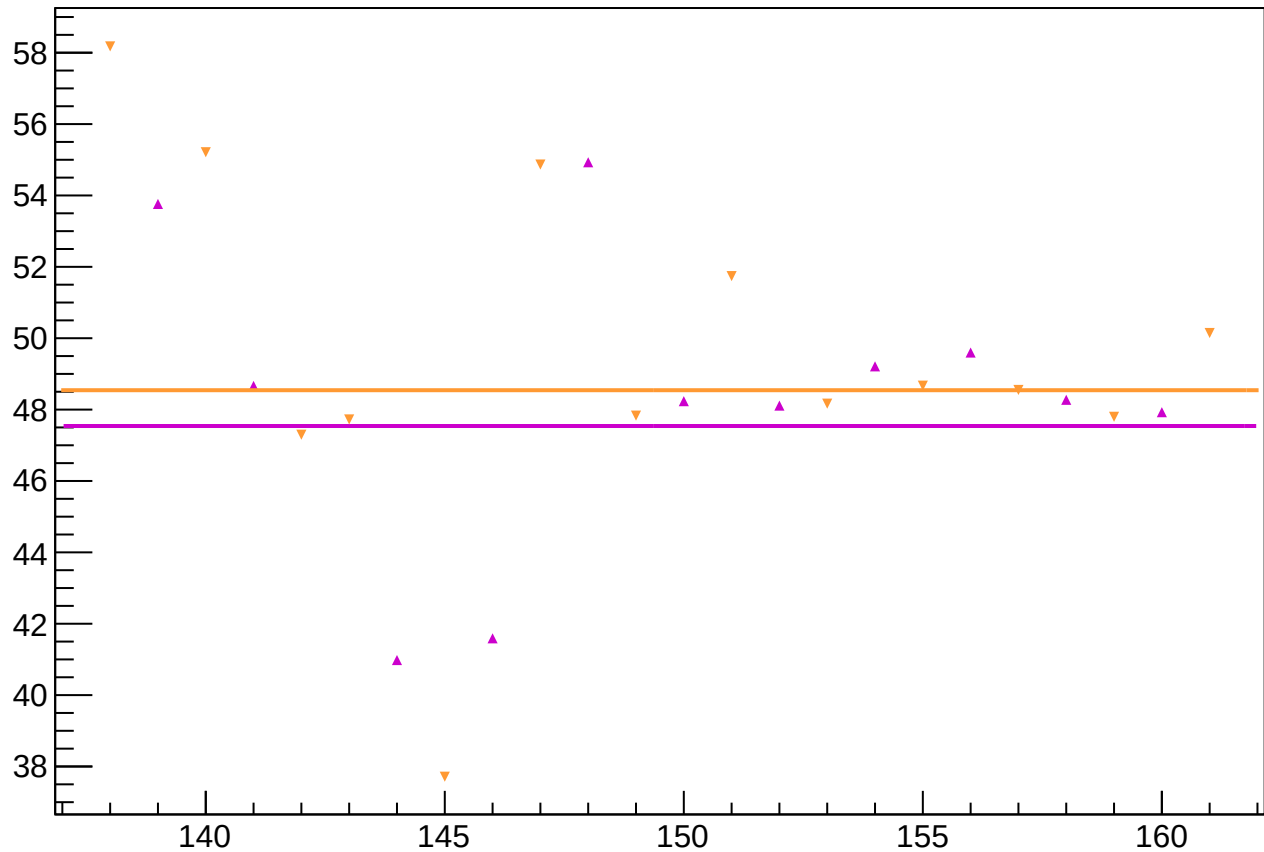
Left In: -4.471+/-15.954 χ^2/NDF : 7.6/10

-14.325+/-15.655 χ^2/NDF : 8.7/12

-9.491+/-11.174 χ^2/NDF : 16.5/23

-4.471+/-15.954 χ^2/NDF : 7.6/10

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 48.543+/-0.011 χ^2/NDF : 218411.4/12

48.543+/-0.011 χ^2/NDF : 218411.4/12

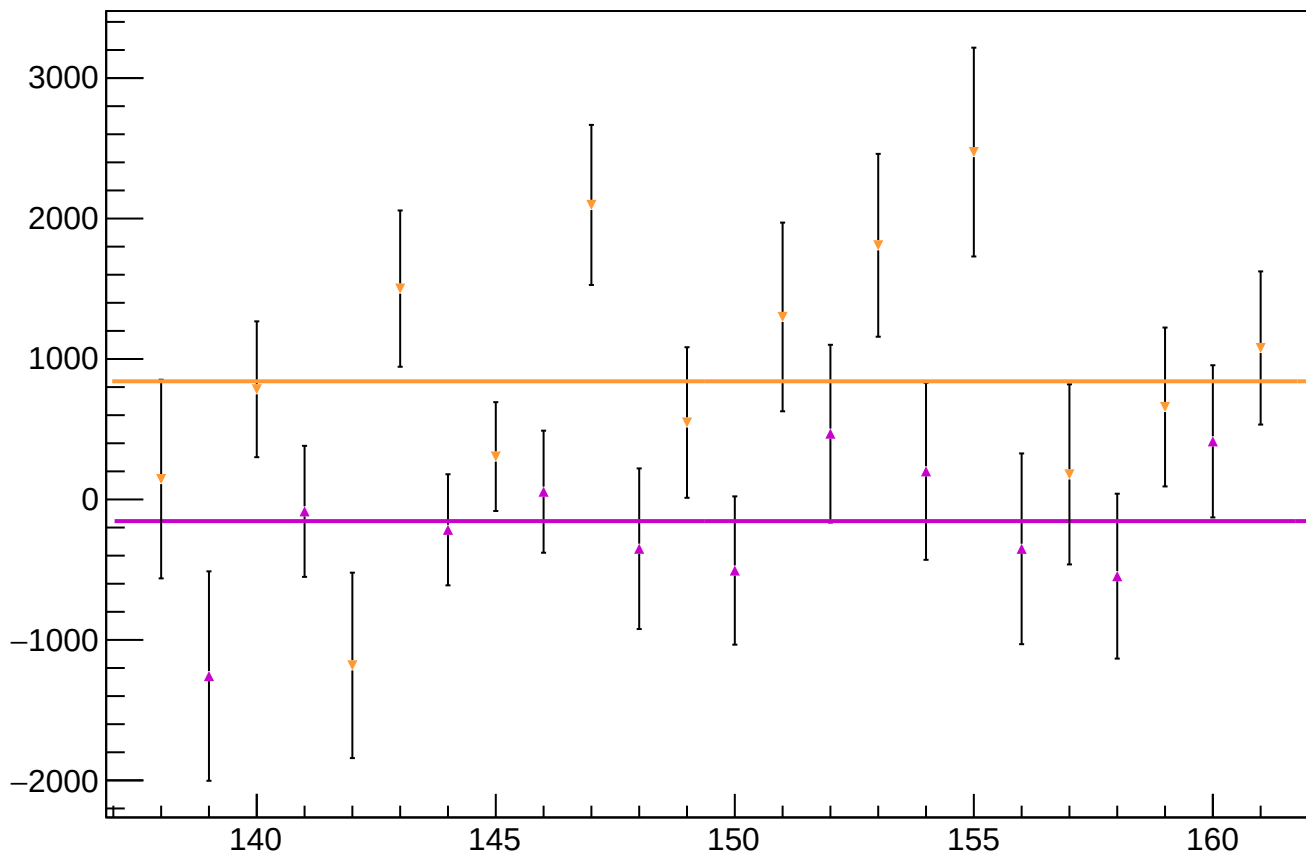
48.051+/-0.008 χ^2/NDF : 353244.3/23

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

47.540+/-0.011 χ^2/NDF : 130805.5/10

Left In: 47.540+/-0.011 χ^2/NDF : 130805.5/10

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 841.205+/-157.465 χ^2/NDF : 27.7/12

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

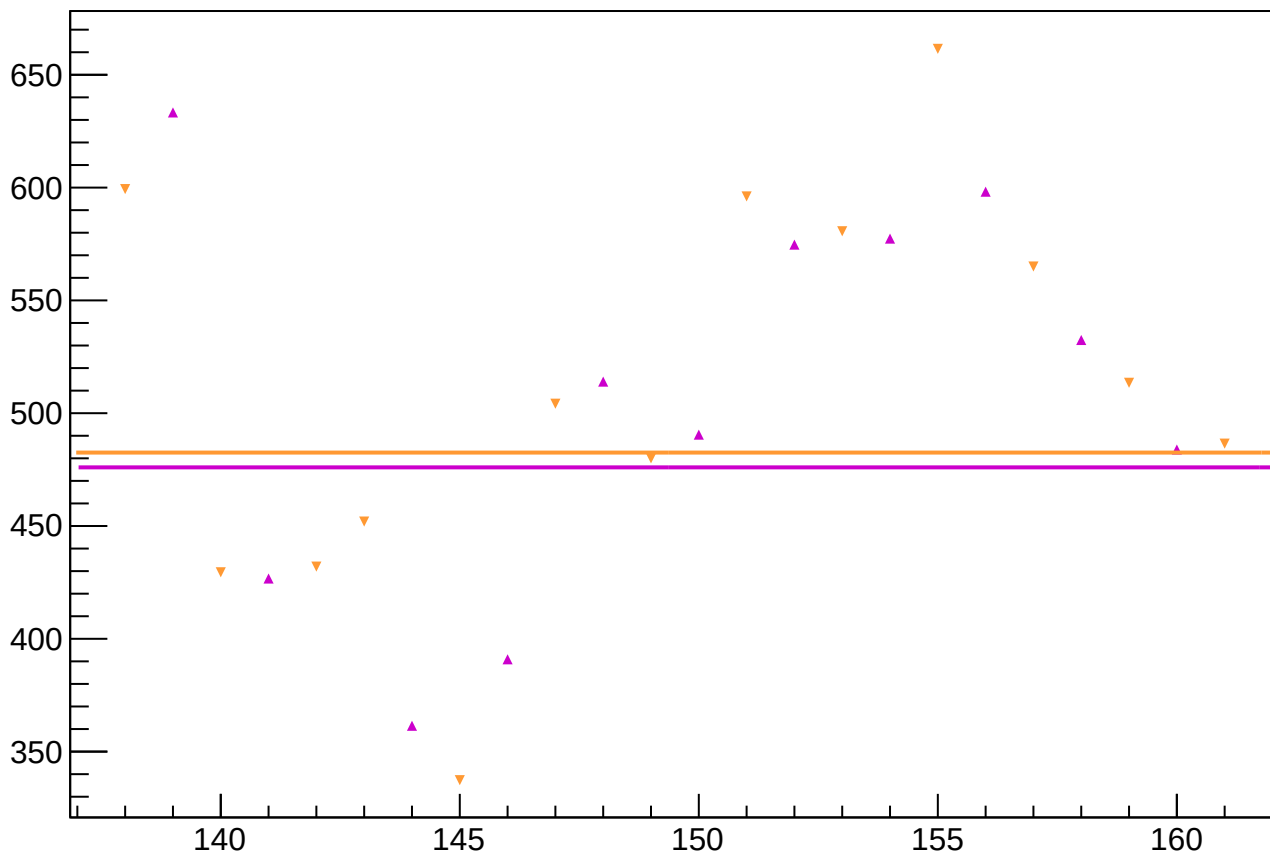
Left In: -154.096+/-161.738 χ^2/NDF : 5.9/10

841.205+/-157.465 χ^2/NDF : 27.7/12

356.878+/-112.825 χ^2/NDF : 53.1/23

-154.096+/-161.738 χ^2/NDF : 5.9/10

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 482.548+/-0.111 χ^2/NDF : 637942.5/12

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

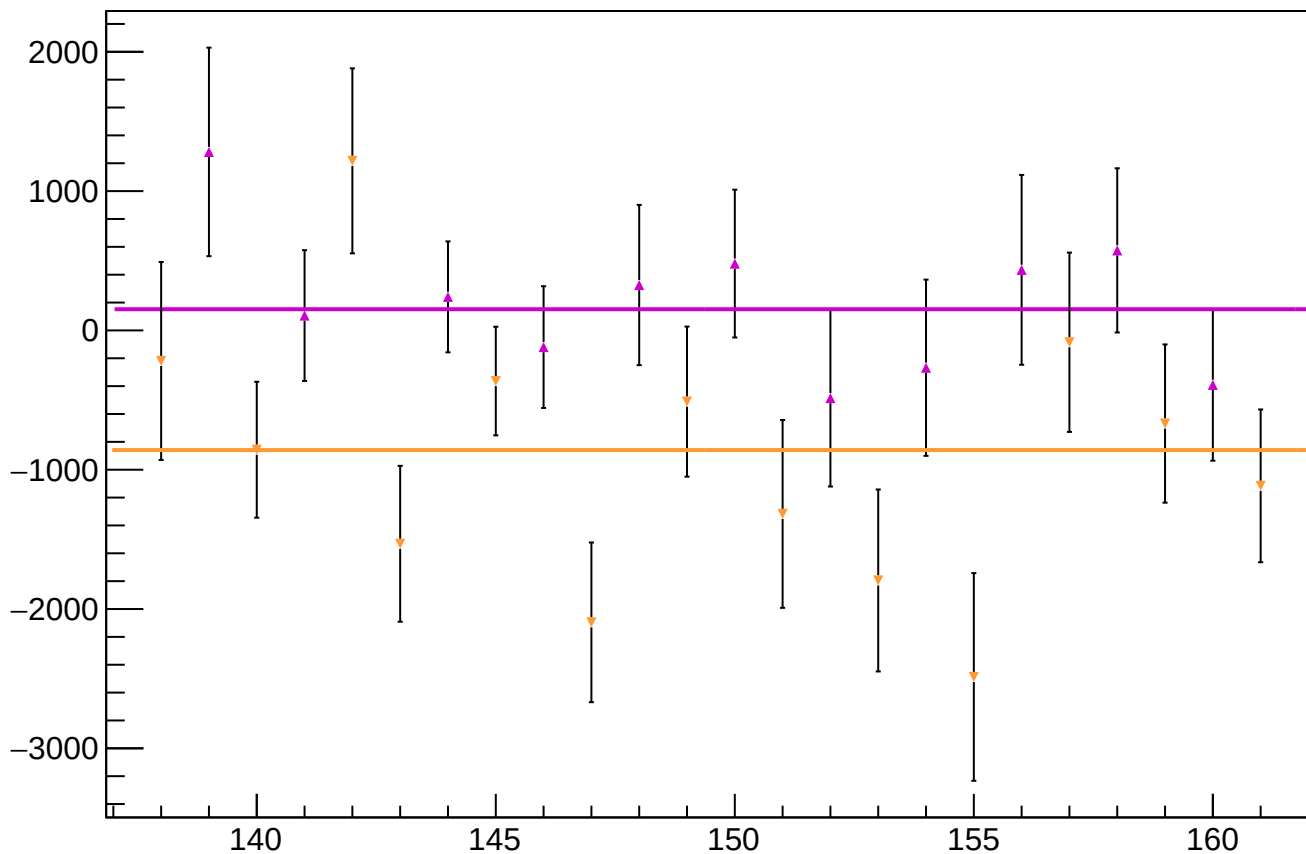
Left In: 475.990+/-0.114 χ^2/NDF : 550346.8/10

482.548+/-0.111 χ^2/NDF : 637942.5/12

479.357+/-0.080 χ^2/NDF : 1189977.4/23

475.990+/-0.114 χ^2/NDF : 550346.8/10

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -858.915+/-158.323 χ^2/NDF : 27.8/12

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

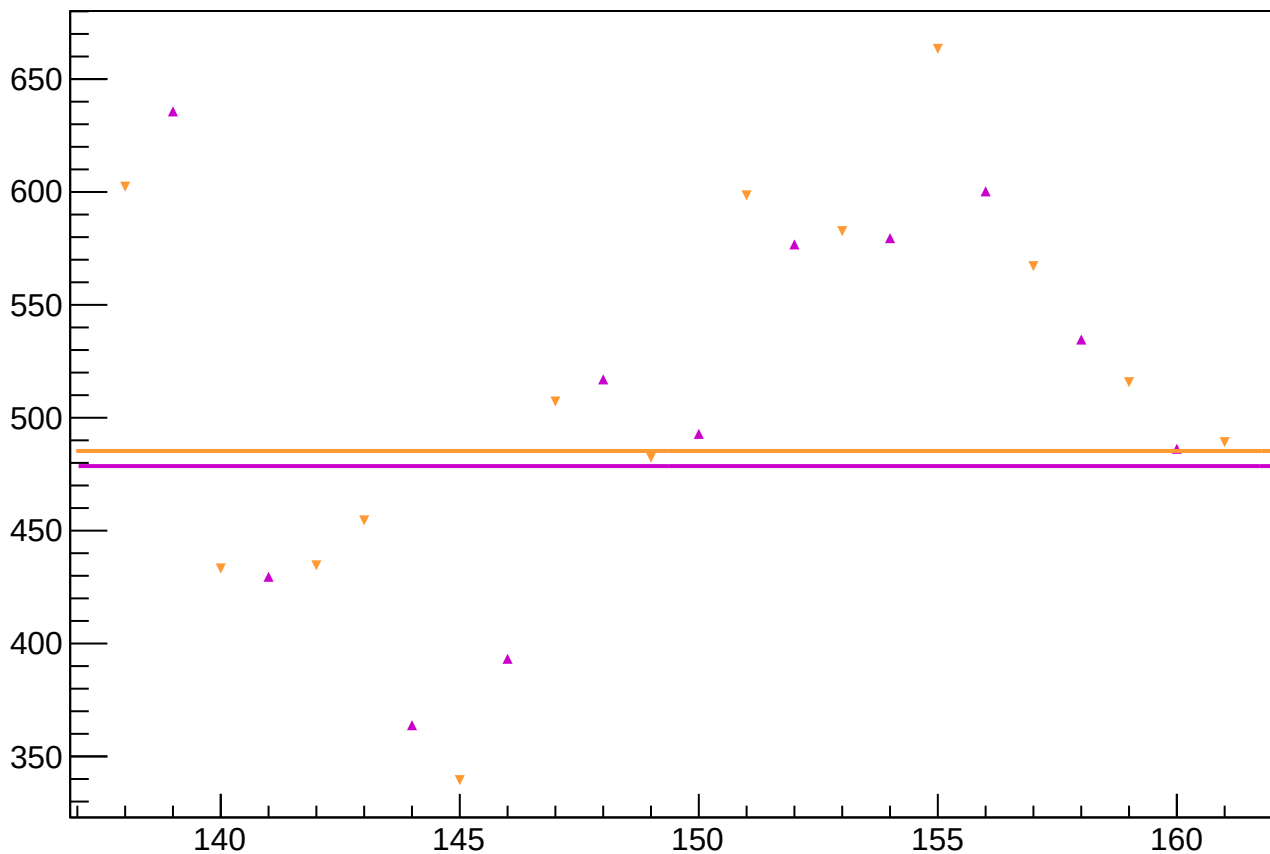
Left In: 152.051+/-162.586 χ^2/NDF : 6.3/10

-858.915+/-158.323 χ^2/NDF : 27.8/12

-366.859+/-113.428 χ^2/NDF : 54.0/23

152.051+/-162.586 χ^2/NDF : 6.3/10

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 485.290+/-0.112 χ^2/NDF : 630588.0/12

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

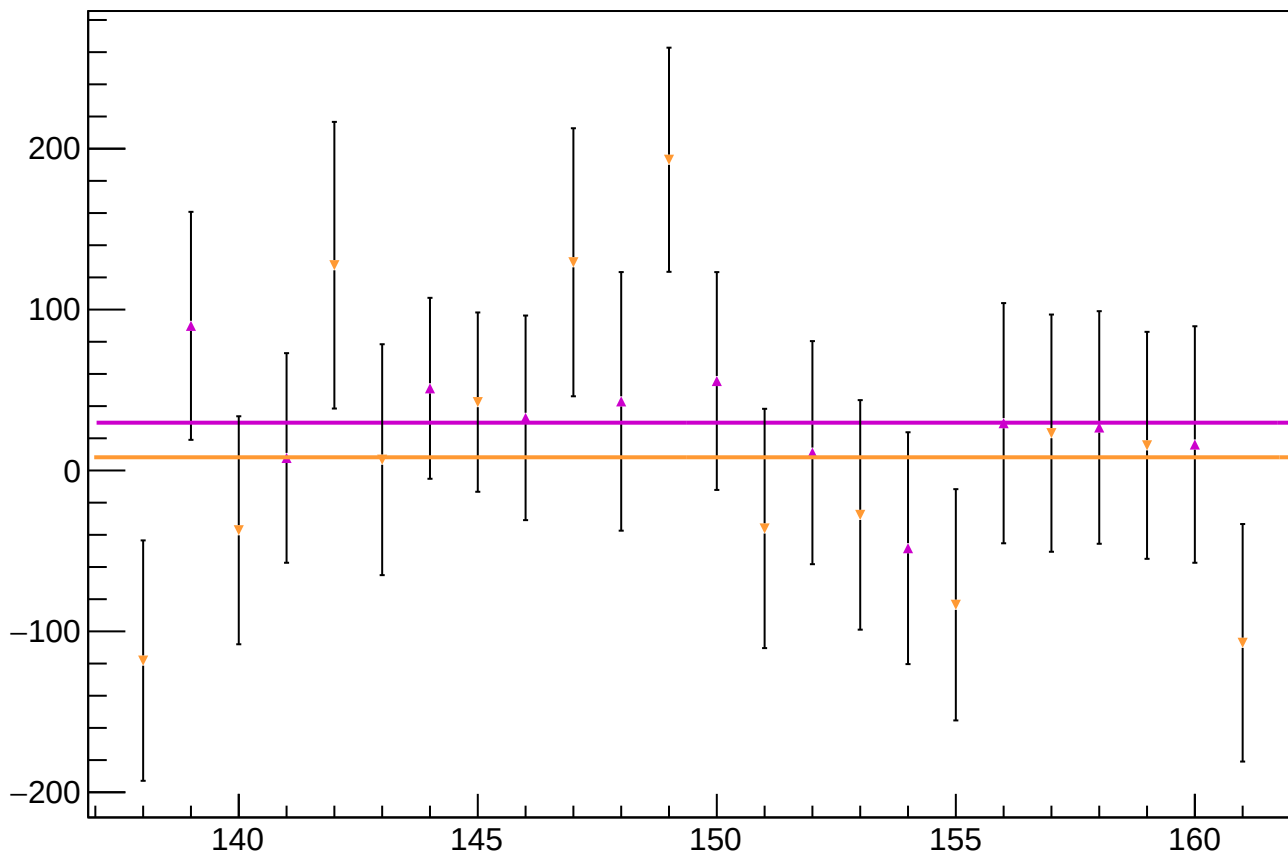
Left In: 478.586+/-0.115 χ^2/NDF : 543876.3/10

485.290+/-0.112 χ^2/NDF : 630588.0/12

482.027+/-0.080 χ^2/NDF : 1176209.5/23

478.586+/-0.115 χ^2/NDF : 543876.3/10

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 8.204 $\pm$ 19.959 χ^2 /NDF:19.3/12

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

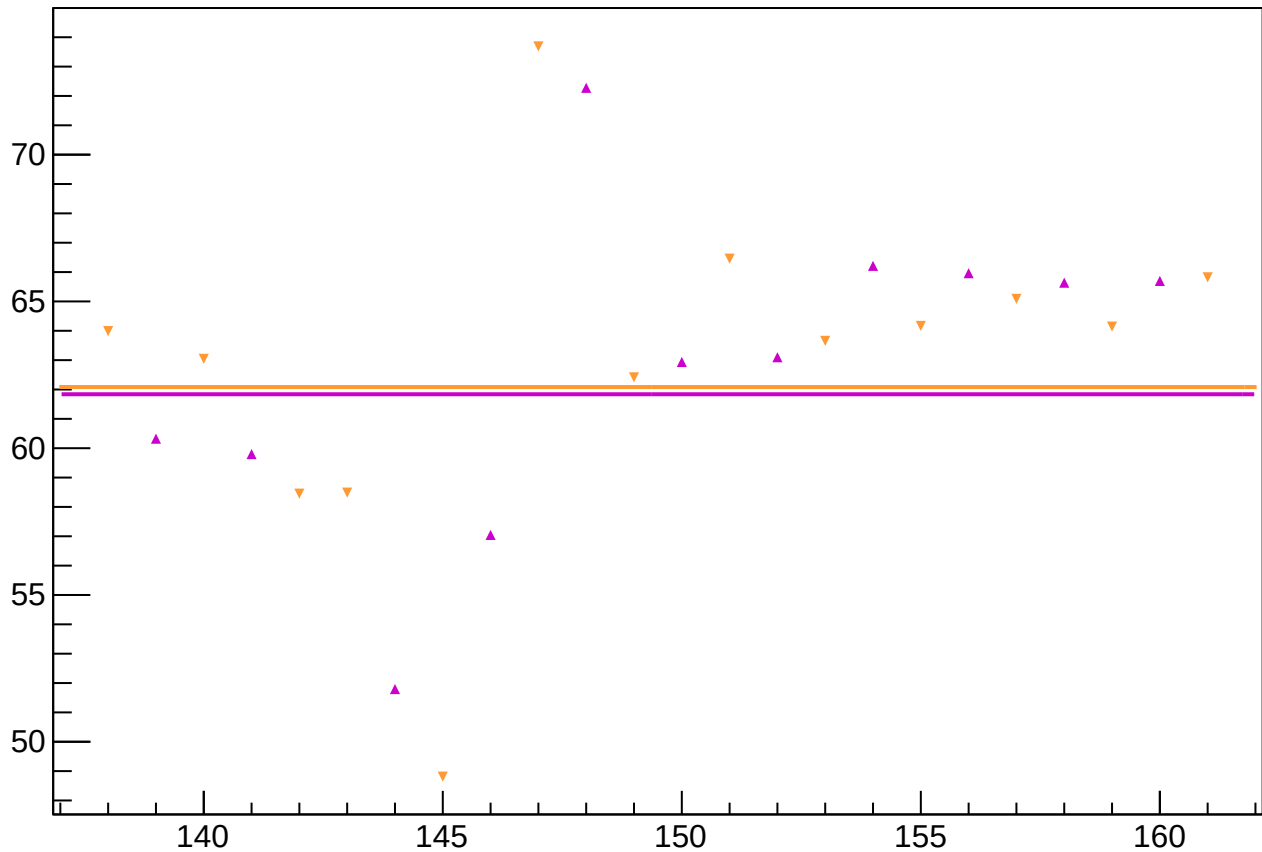
Left In: 29.701 $\pm$ 20.725 χ^2 /NDF:2.4/10

8.204 $\pm$ 19.959 χ^2 /NDF: 19.3/12

18.548 $\pm$ 14.376 χ^2 /NDF: 22.3/23

29.701 $\pm$ 20.725 χ^2 /NDF: 2.4/10

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 62.083+/-0.014 χ^2/NDF : 182051.9/12

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

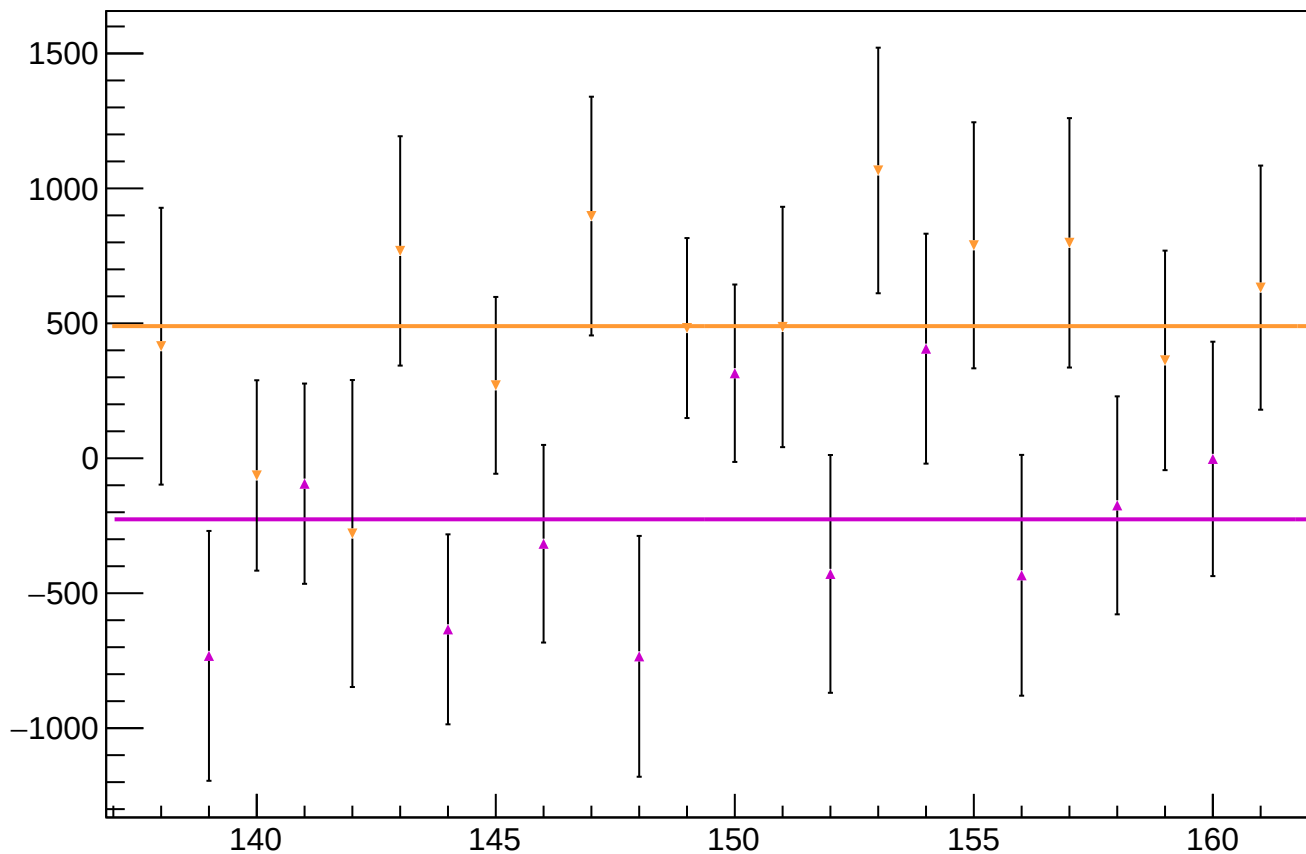
Left In: 61.838+/-0.015 χ^2/NDF : 137492.4/10

62.083+/-0.014 χ^2/NDF : 182051.9/12

61.965+/-0.010 χ^2/NDF : 319689.6/23

61.838+/-0.015 χ^2/NDF : 137492.4/10

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 489.657+/-116.094 χ^2/NDF : 8.7/12

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

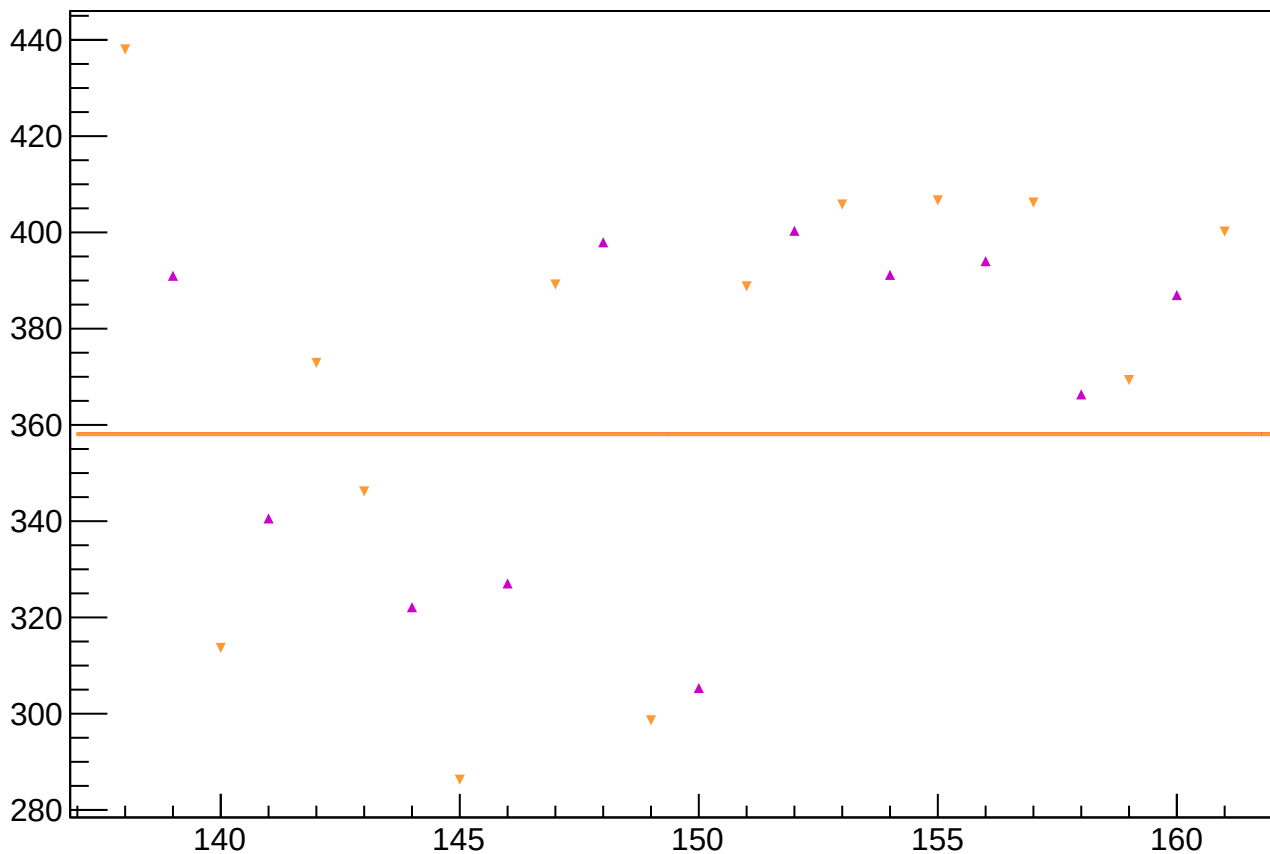
Left In: -226.218+/-120.510 χ^2/NDF : 9.6/10

489.657+/-116.094 χ^2/NDF : 8.7/12

145.075+/-83.608 χ^2/NDF : 36.7/23

-226.218+/-120.510 χ^2/NDF : 9.6/10

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 358.088+/-0.082 χ^2/NDF : 347521.6/12

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

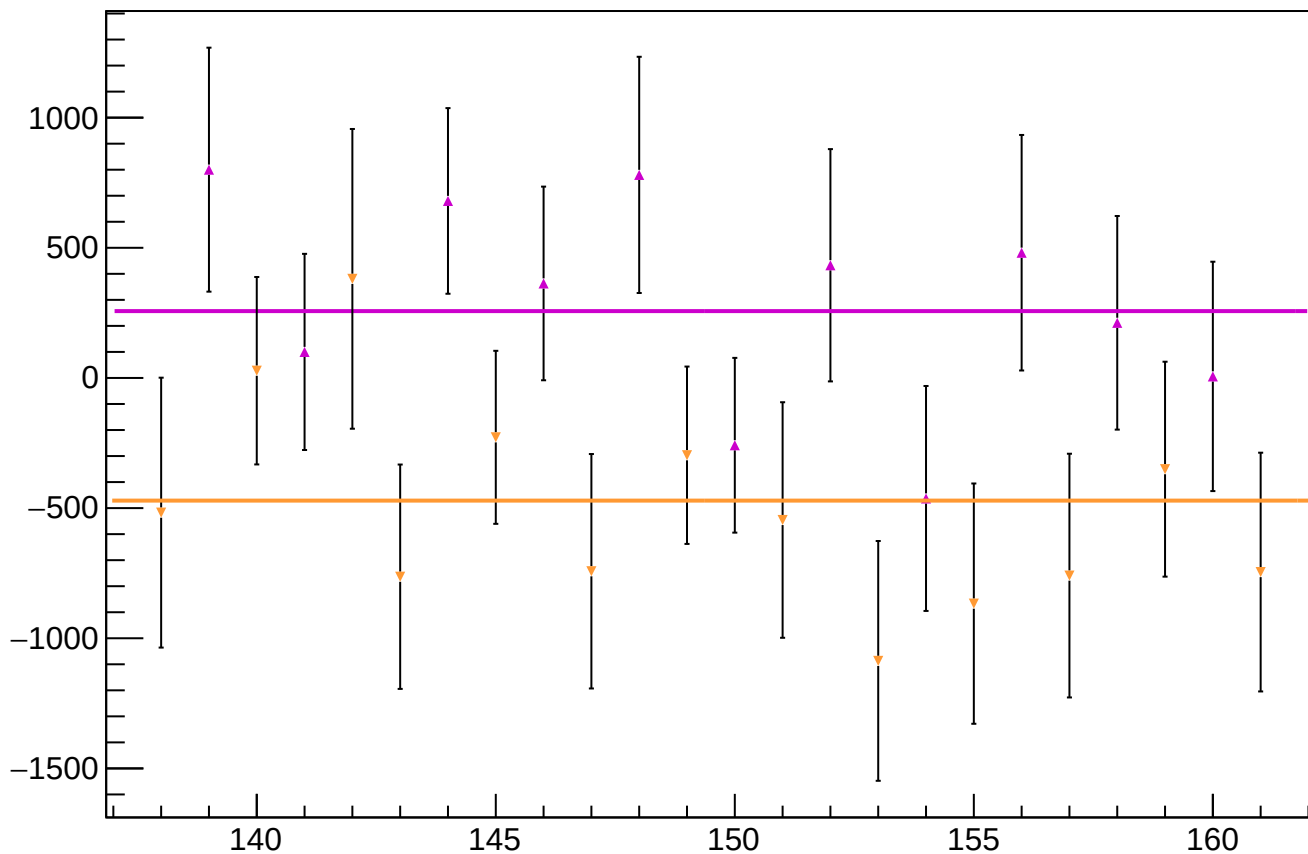
Left In: 358.104+/-0.085 χ^2/NDF : 170386.0/10

358.088+/-0.082 χ^2/NDF : 347521.6/12

358.096+/-0.059 χ^2/NDF : 517907.7/23

358.104+/-0.085 χ^2/NDF : 170386.0/10

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -471.167+/-117.921 χ^2/NDF : 9.1/12

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

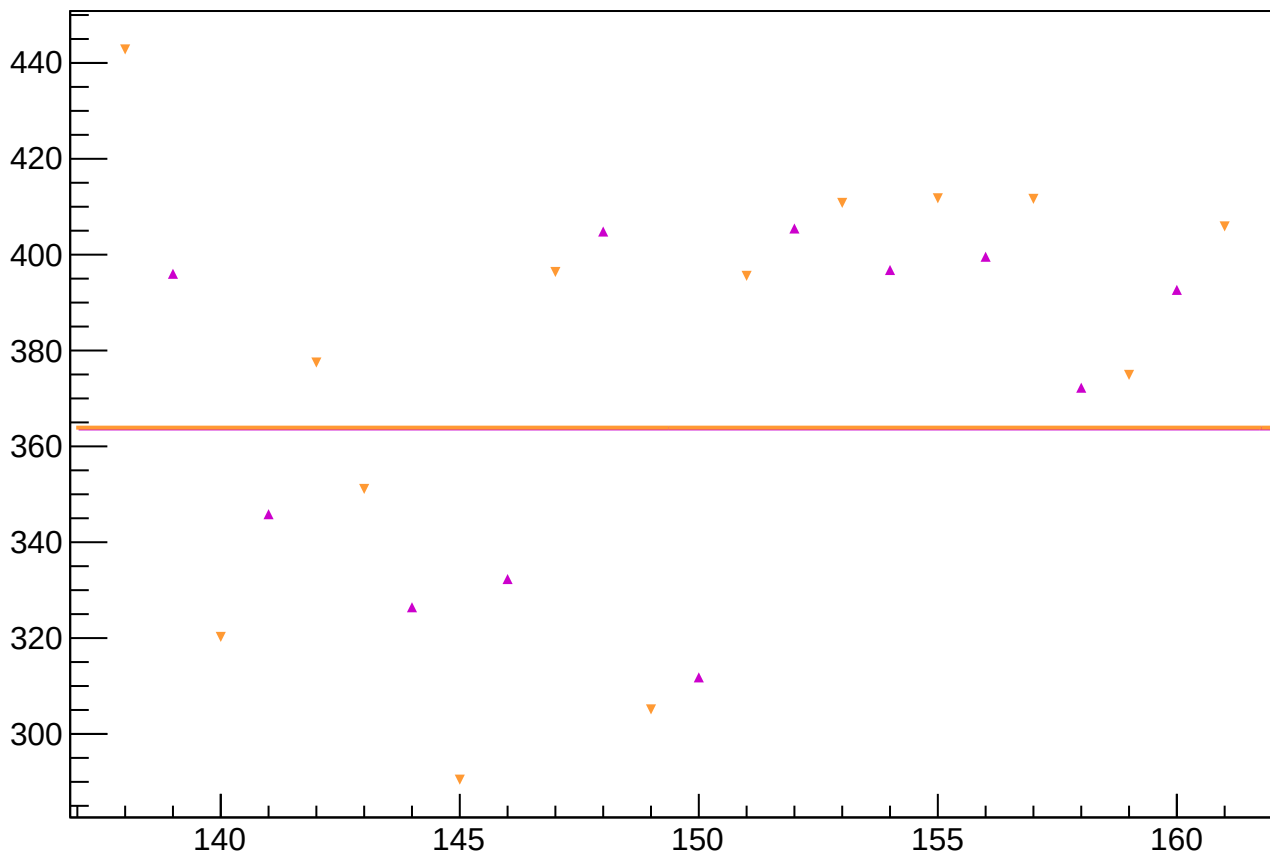
Left In: 256.805+/-122.370 χ^2/NDF : 10.2/10

-471.167+/-117.921 χ^2/NDF : 9.1/12

-120.655+/-84.912 χ^2/NDF : 37.7/23

256.805+/-122.370 χ^2/NDF : 10.2/10

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 363.907+/-0.083 χ^2/NDF : 337287.7/12

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

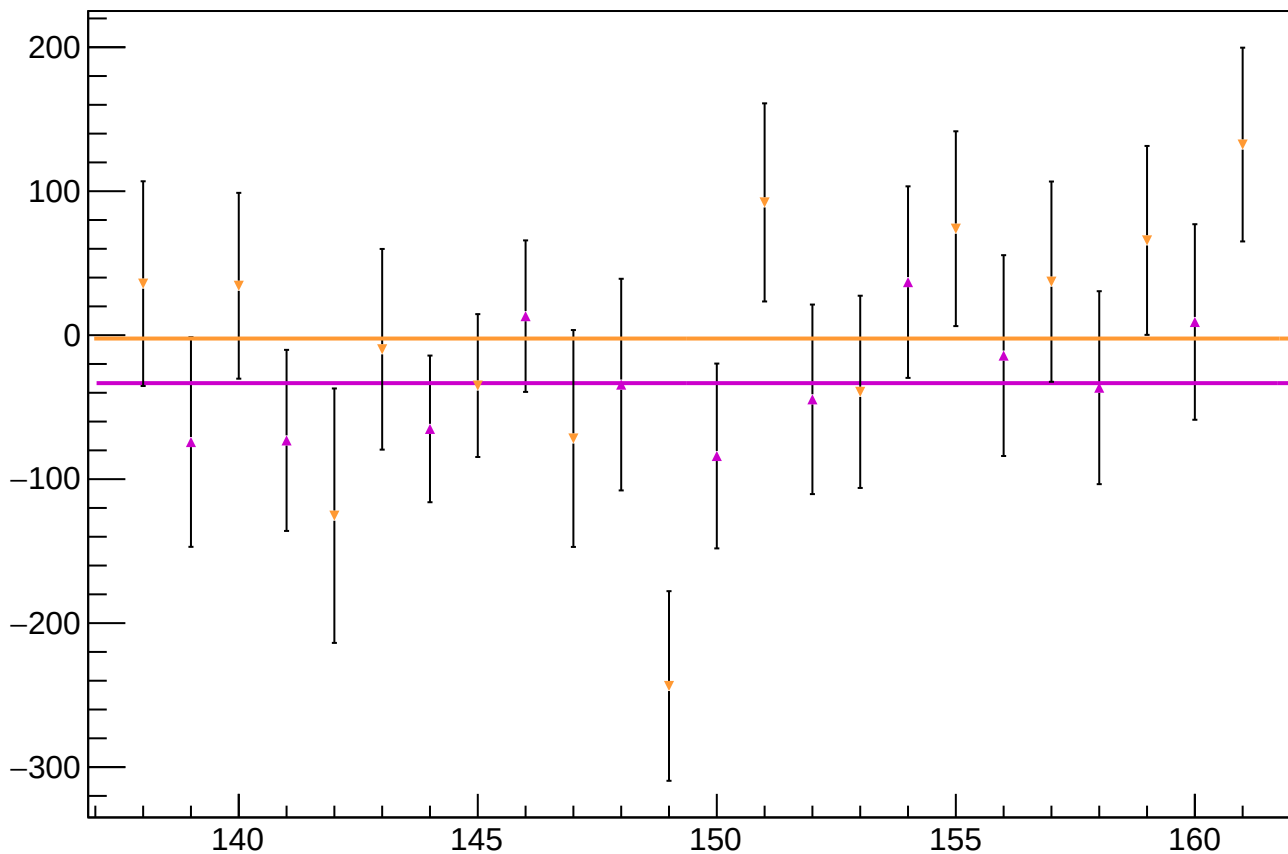
Left In: 363.744+/-0.087 χ^2/NDF : 165659.9/10

363.907+/-0.083 χ^2/NDF : 337287.7/12

363.828+/-0.060 χ^2/NDF : 502949.4/23

363.744+/-0.087 χ^2/NDF : 165659.9/10

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -2.332+/-18.573 χ^2/NDF : 26.1/12

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

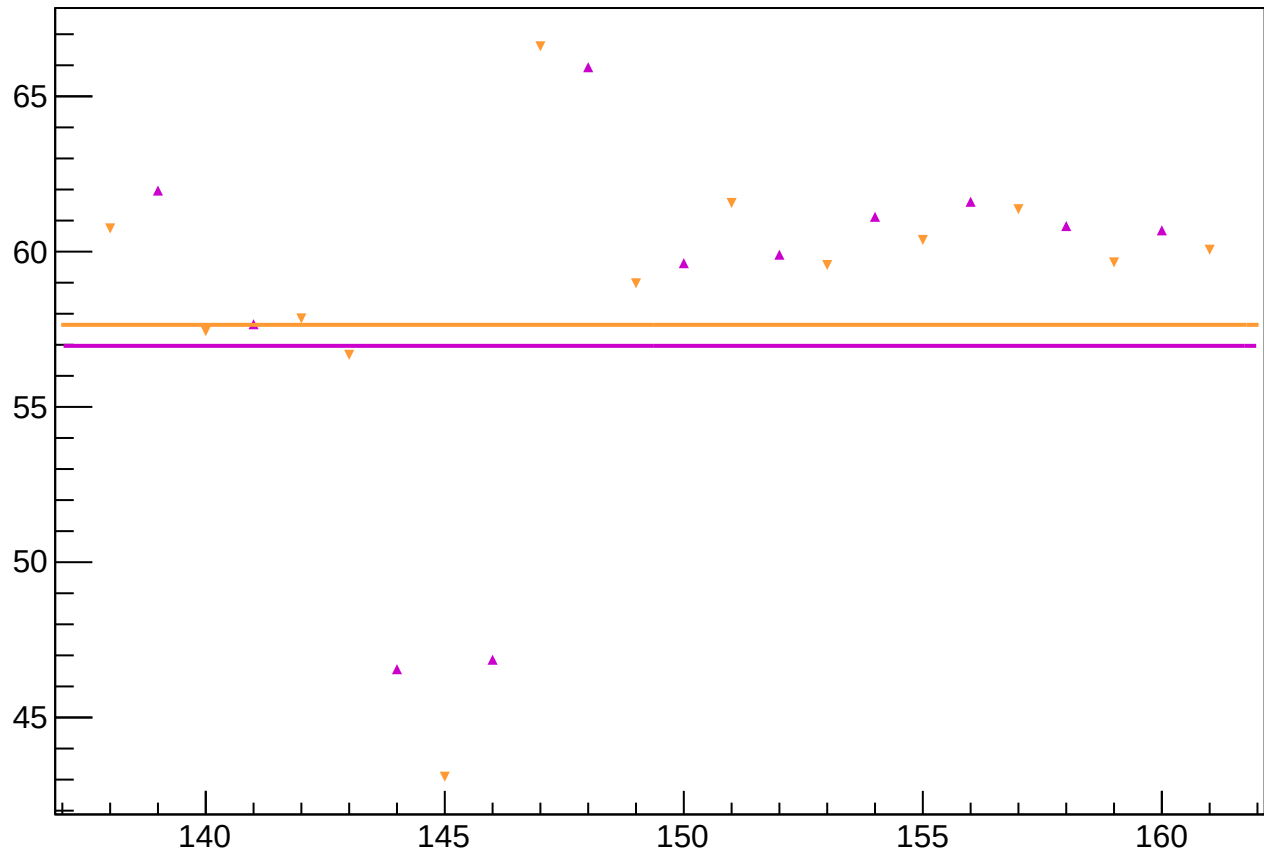
Left In: -33.308+/-19.181 χ^2/NDF : 4.1/10

-2.332+/-18.573 χ^2/NDF : 26.1/12

-17.321+/-13.343 χ^2/NDF : 31.6/23

-33.308+/-19.181 χ^2/NDF : 4.1/10

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 57.643 $\pm$ 0.013 χ^2/NDF :226984.4/12

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

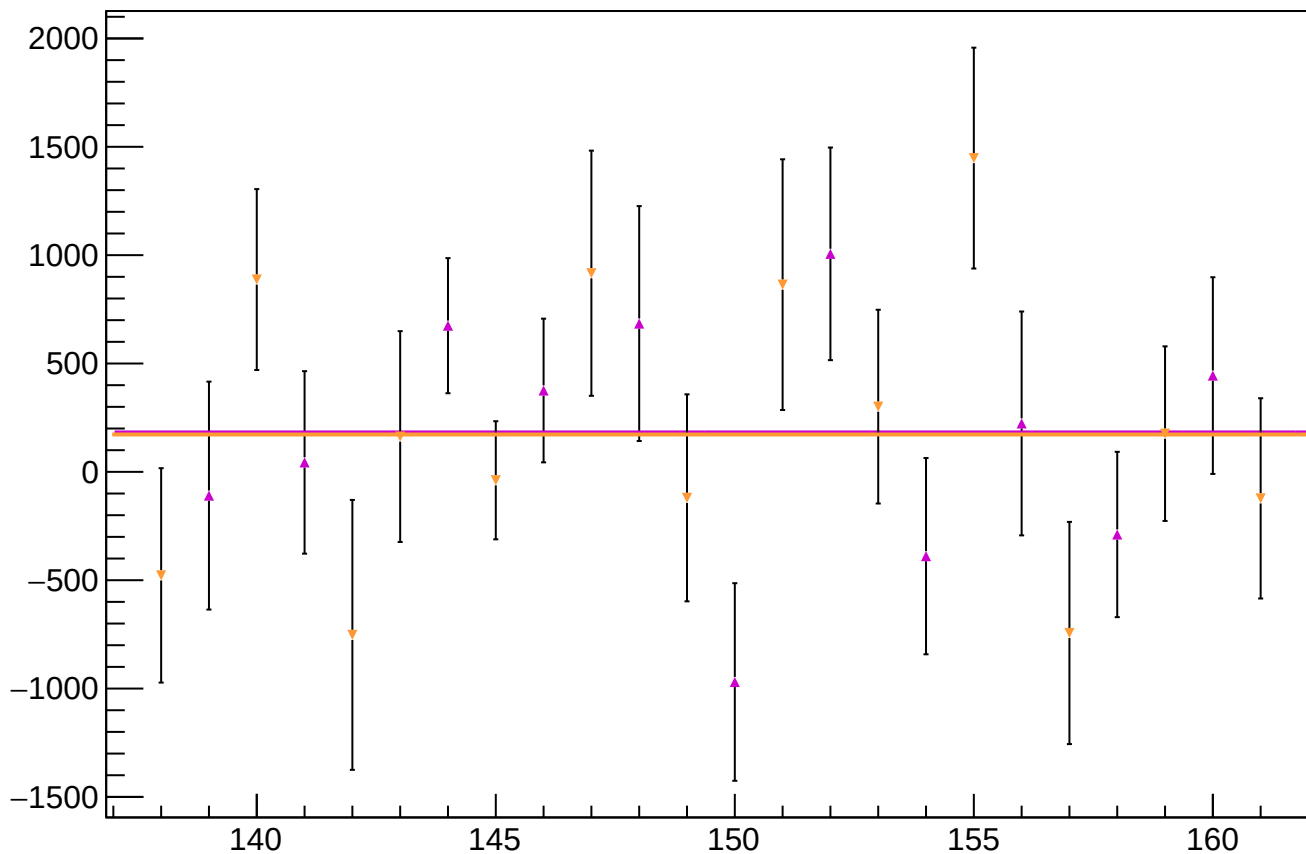
Left In: 56.966 $\pm$ 0.014 χ^2/NDF :233523.0/10

57.643 $\pm$ 0.013 χ^2/NDF : 226984.4/12

57.316 $\pm$ 0.009 χ^2/NDF : 461791.7/23

56.966 $\pm$ 0.014 χ^2/NDF : 233523.0/10

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 172.454+/-124.906 χ^2/NDF : 20.9/12

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

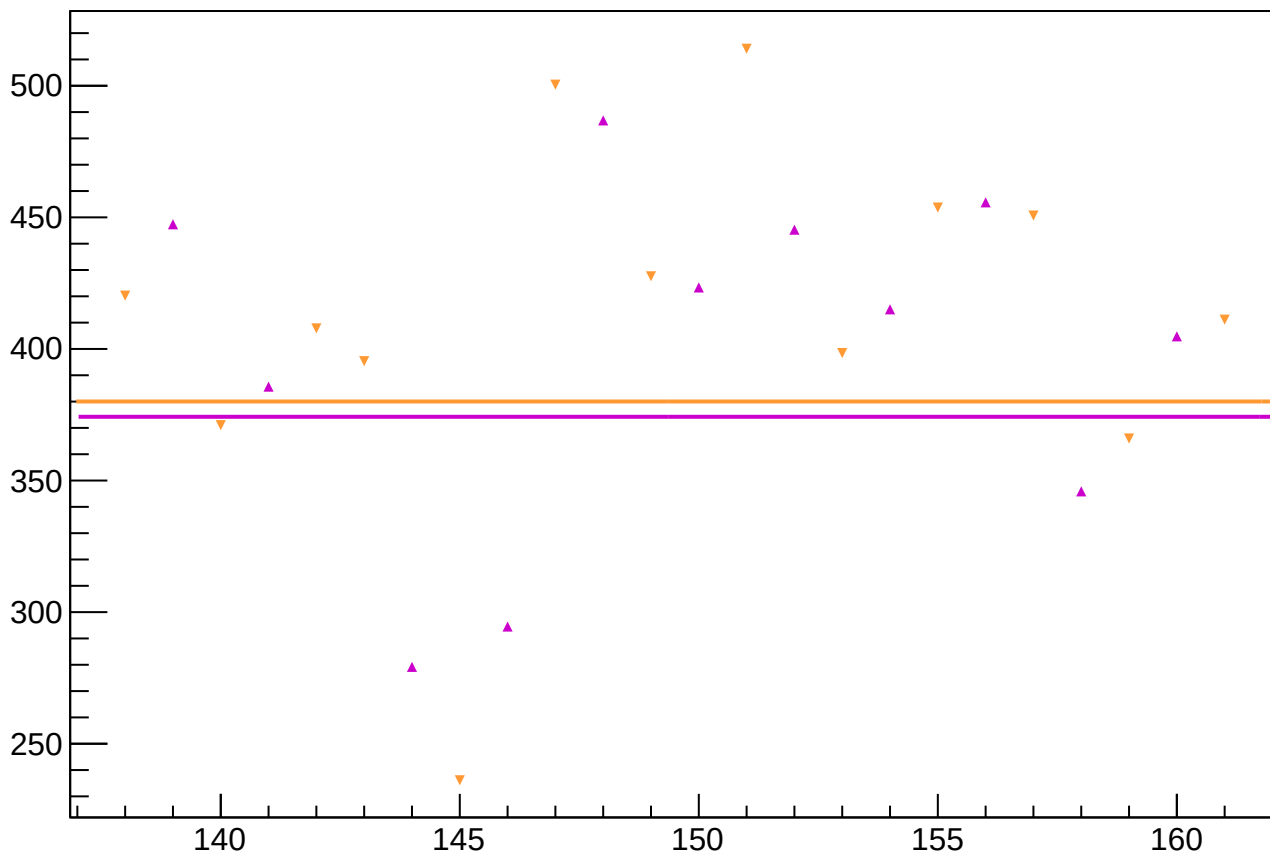
Left In: 181.848+/-127.661 χ^2/NDF : 16.8/10

172.454+/-124.906 χ^2/NDF : 20.9/12

177.048+/-89.280 χ^2/NDF : 37.7/23

181.848+/-127.661 χ^2/NDF : 16.8/10

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 380.037 $\pm$ 0.088 χ^2/NDF :890479.1/12

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

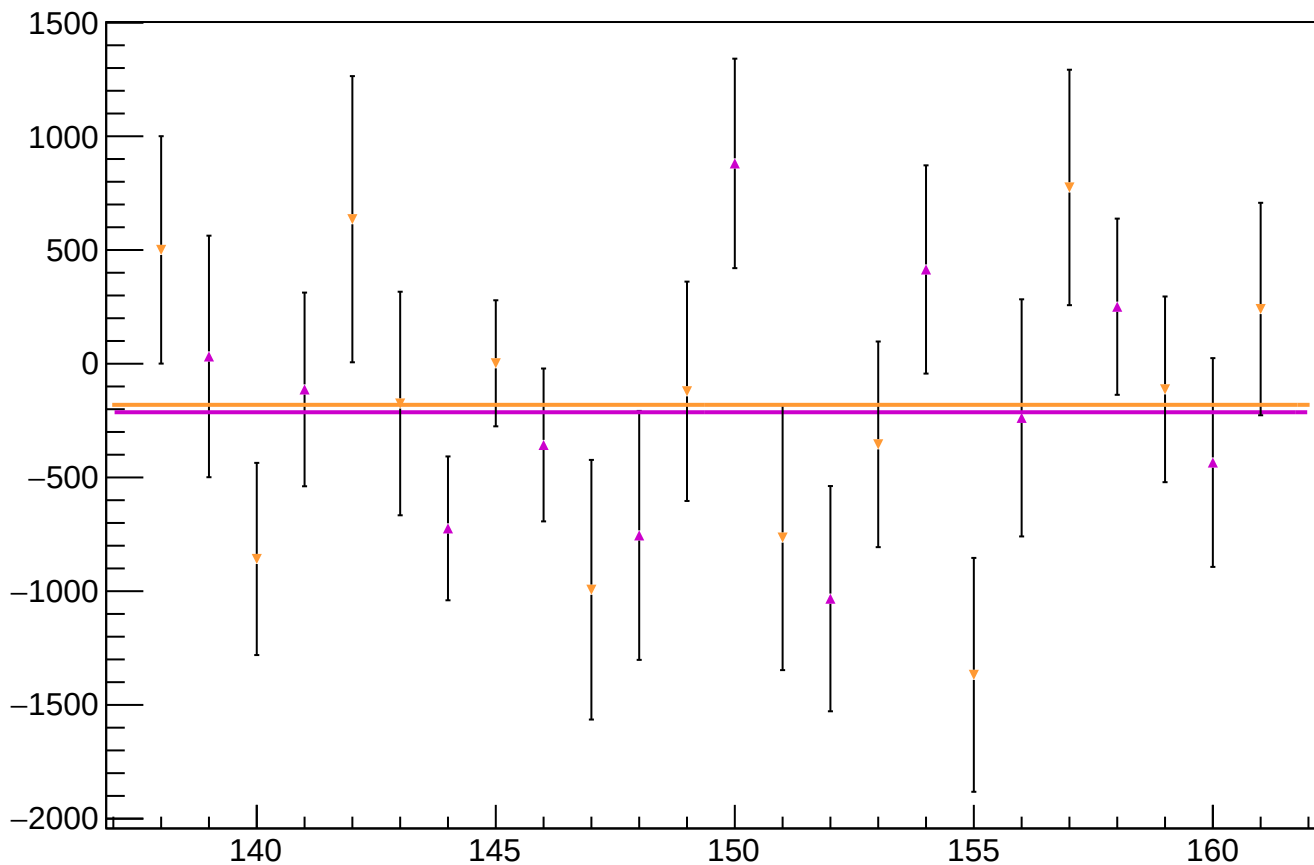
Left In: 374.225 $\pm$ 0.090 χ^2/NDF :579165.8/10

380.037 $\pm$ 0.088 χ^2/NDF : 890479.1/12

377.195 $\pm$ 0.063 χ^2/NDF : 1471762.8/23

374.225 $\pm$ 0.090 χ^2/NDF : 579165.8/10

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -180.688+/-126.382 χ^2/NDF : 19.3/12

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

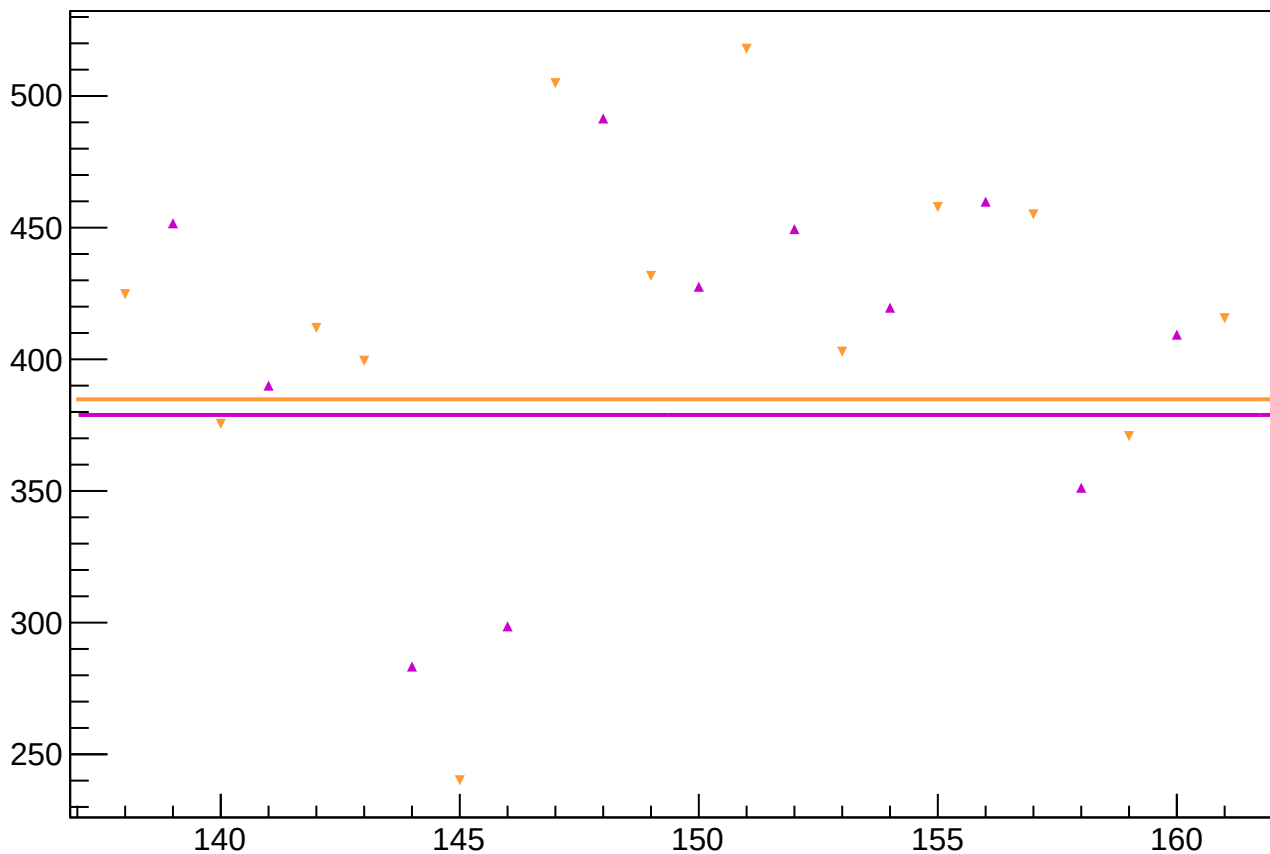
Left In: -213.283+/-129.183 χ^2/NDF : 16.0/10

-180.688+/-126.382 χ^2/NDF : 19.3/12

-196.628+/-90.340 χ^2/NDF : 35.3/23

-213.283+/-129.183 χ^2/NDF : 16.0/10

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 384.800+/-0.089 χ^2/NDF : 867595.4/12

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

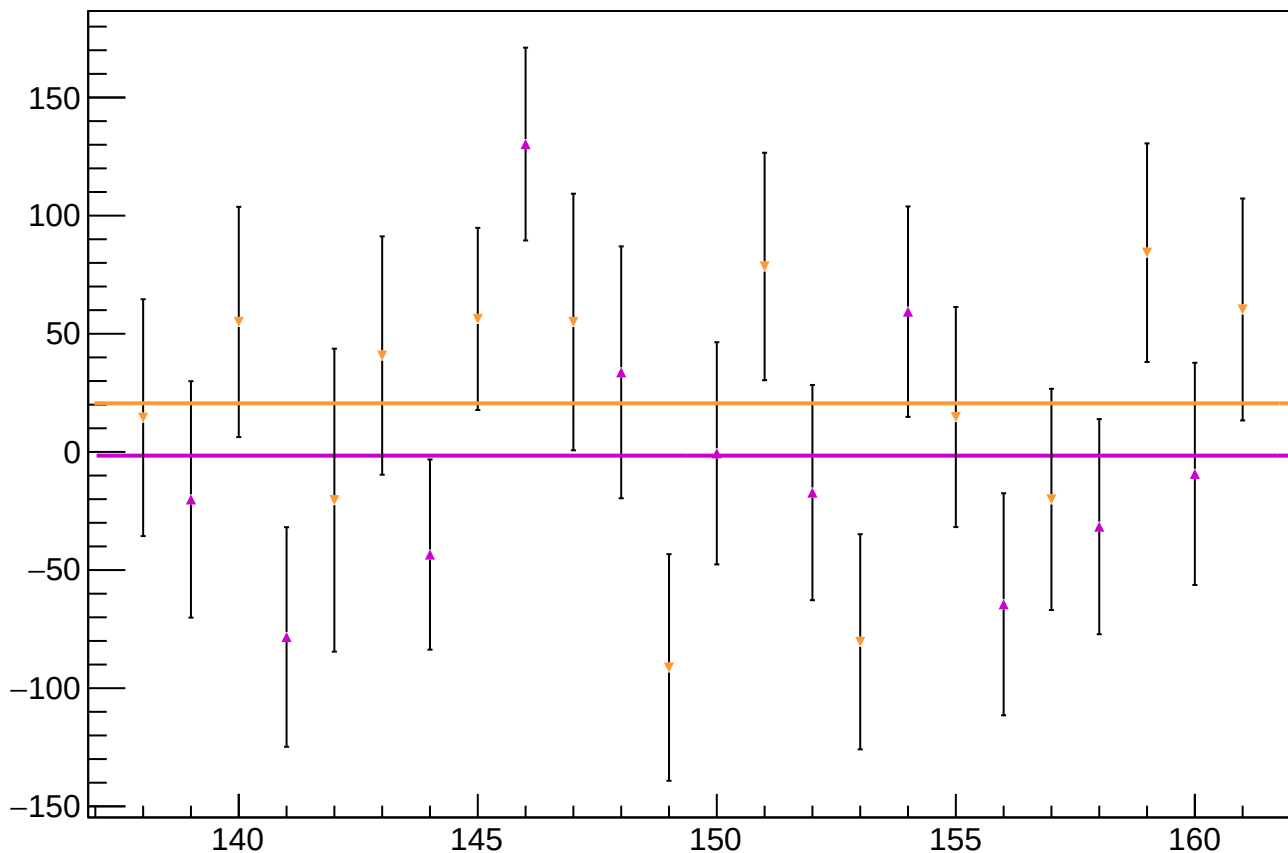
Left In: 378.873+/-0.091 χ^2/NDF : 566580.8/10

384.800+/-0.089 χ^2/NDF : 867595.4/12

381.901+/-0.064 χ^2/NDF : 1436326.8/23

378.873+/-0.091 χ^2/NDF : 566580.8/10

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 20.577+/-13.298 χ^2/NDF : 17.5/12

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

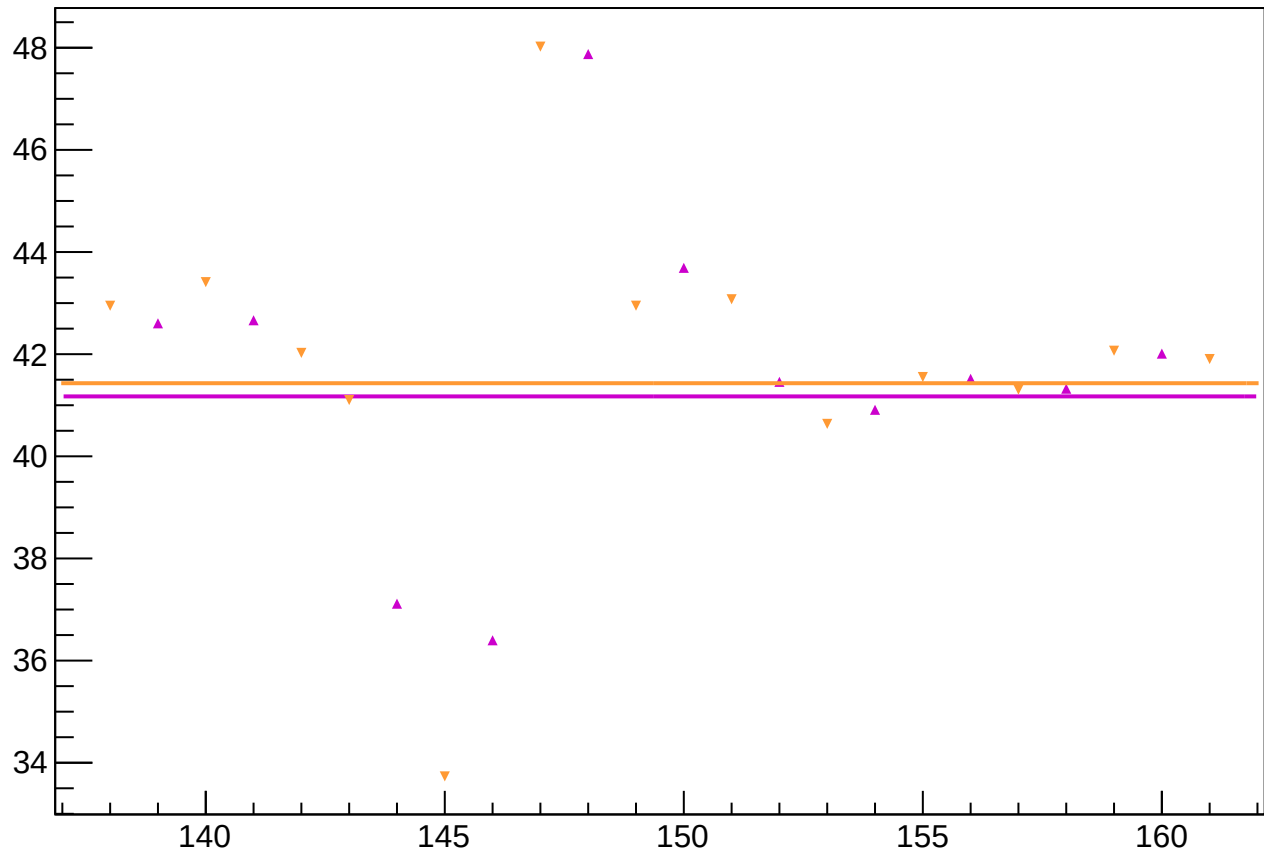
Left In: -1.578+/-13.790 χ^2/NDF : 19.1/10

20.577+/-13.298 χ^2/NDF : 17.5/12

9.902+/-9.572 χ^2/NDF : 37.9/23

-1.578+/-13.790 χ^2/NDF : 19.1/10

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 41.431 $\pm$ 0.009 χ^2/NDF :120229.9/12

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

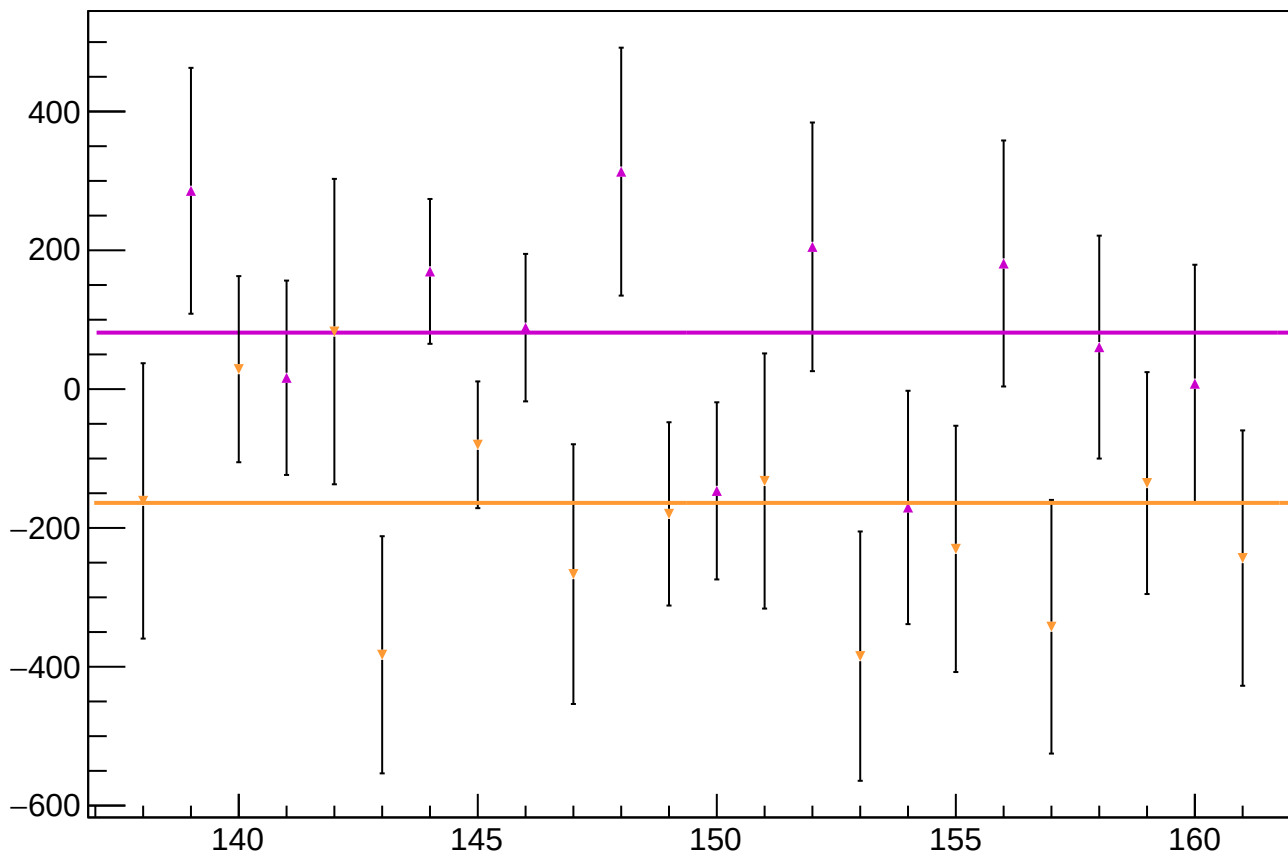
Left In: 41.173 $\pm$ 0.010 χ^2/NDF :89697.7/10

41.431 $\pm$ 0.009 χ^2/NDF : 120229.9/12

41.307 $\pm$ 0.007 χ^2/NDF : 210291.2/23

41.173 $\pm$ 0.010 χ^2/NDF : 89697.7/10

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -163.910+/-43.322 χ^2/NDF : 9.0/12

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

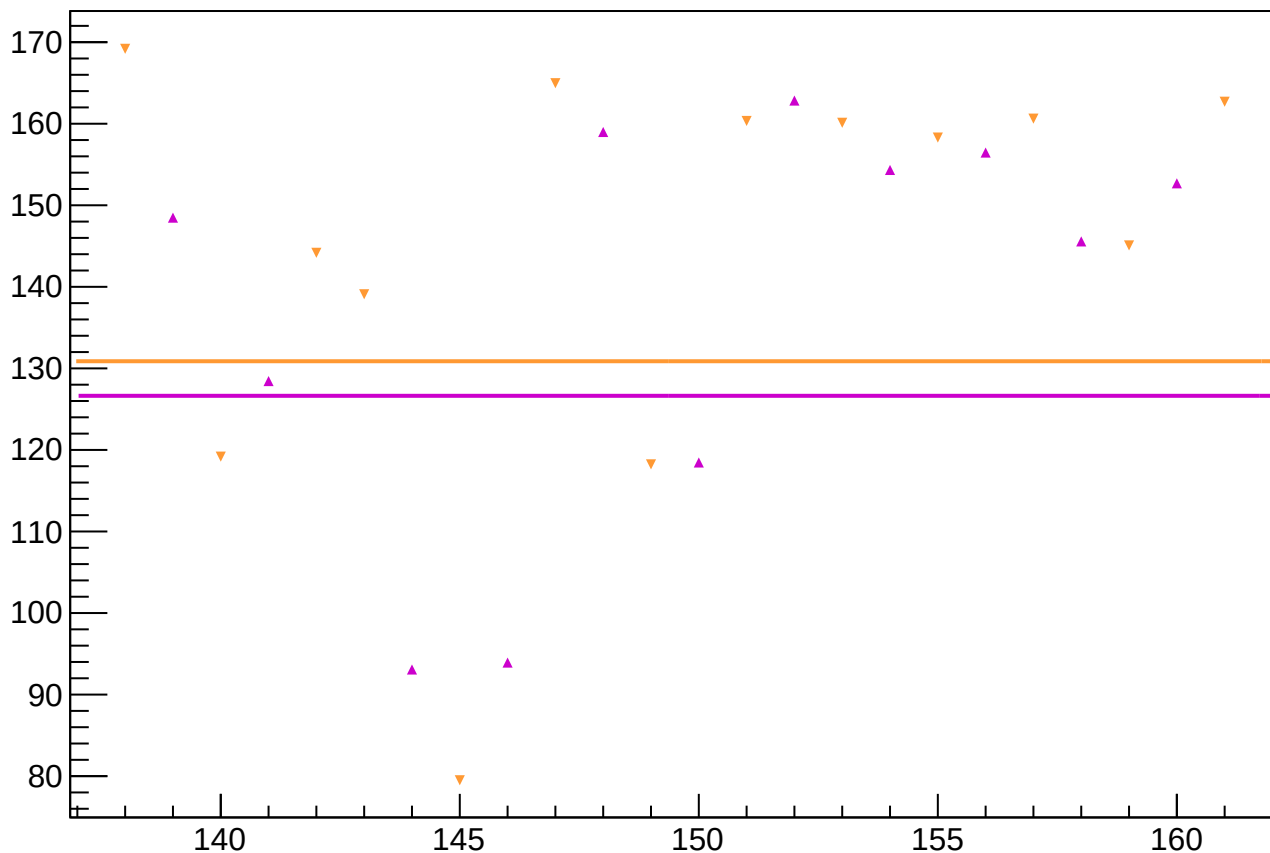
Left In: 81.410+/-43.548 χ^2/NDF : 10.4/10

-163.910+/-43.322 χ^2/NDF : 9.0/12

-41.889+/-30.713 χ^2/NDF : 35.3/23

81.410+/-43.548 χ^2/NDF : 10.4/10

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 130.876+/-0.031 χ^2/NDF :1100782.8/12

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

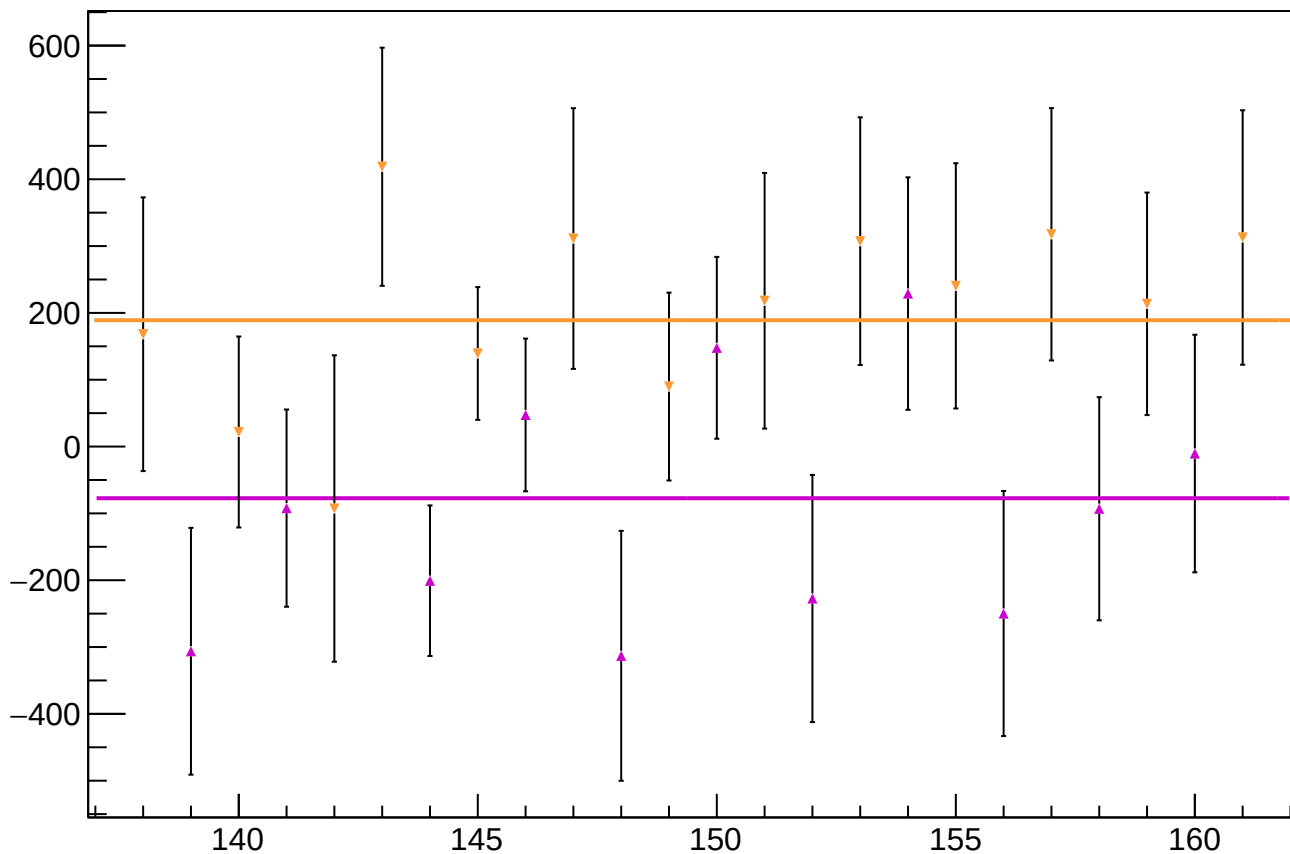
Left In: 126.637+/-0.031 χ^2/NDF :767756.4/10

130.876+/-0.031 χ^2/NDF : 1100782.8/12

128.768+/-0.022 χ^2/NDF : 1878061.2/23

126.637+/-0.031 χ^2/NDF : 767756.4/10

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 189.057+/-45.669 χ^2/NDF : 7.1/12

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

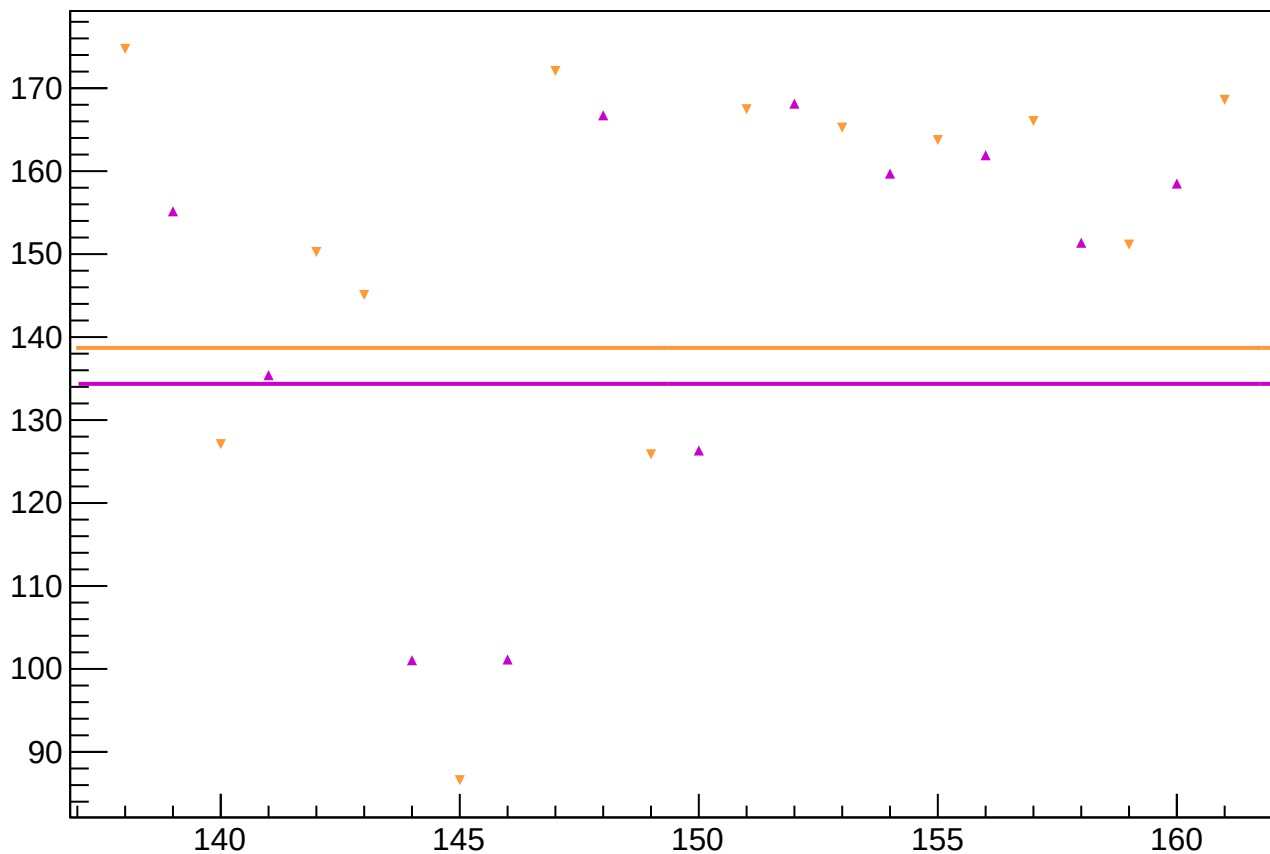
Left In: -77.309+/-45.992 χ^2/NDF : 13.1/10

189.057+/-45.669 χ^2/NDF : 7.1/12

56.812+/-32.406 χ^2/NDF : 37.1/23

-77.309+/-45.992 χ^2/NDF : 13.1/10

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 138.699+/-0.032 χ^2/NDF : 934388.3/12

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

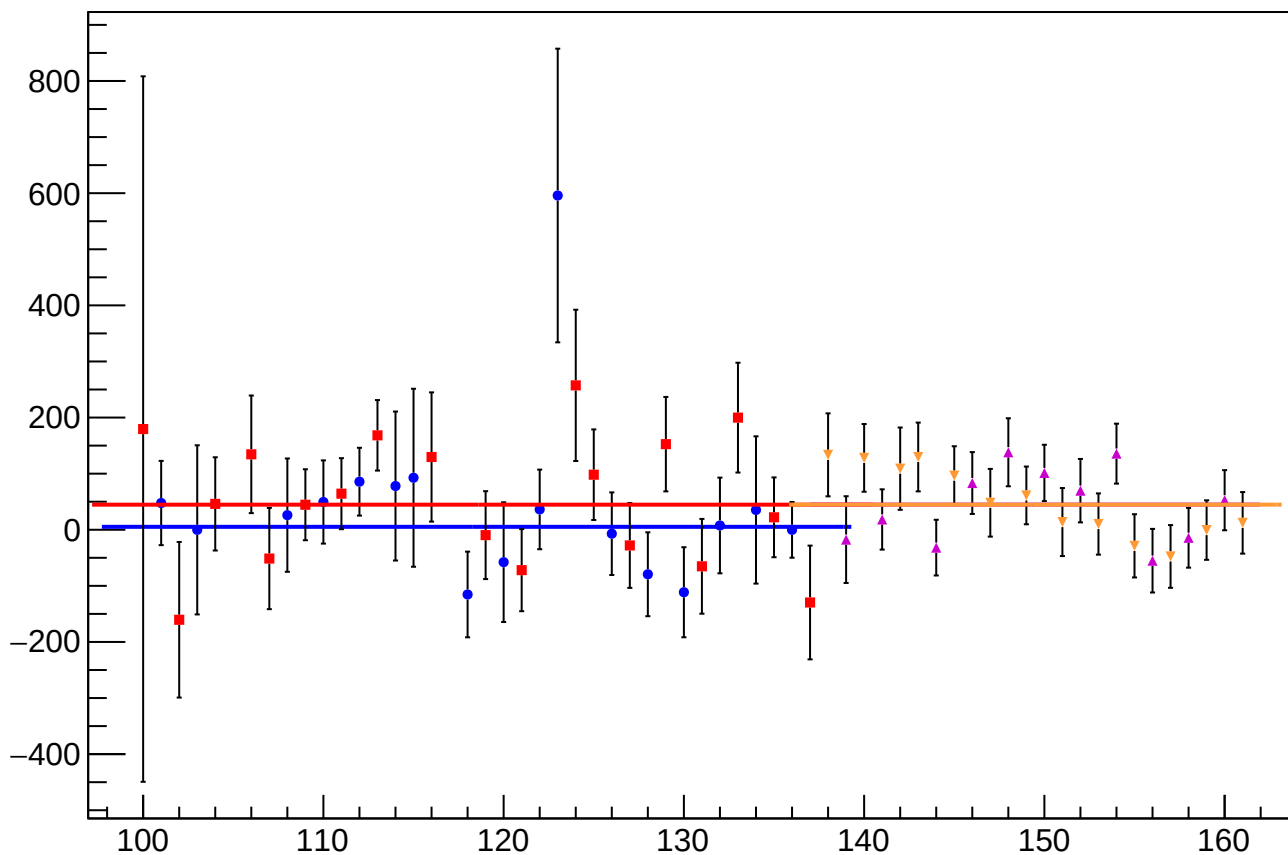
Left In: 134.362+/-0.033 χ^2/NDF : 648276.9/10

138.699+/-0.032 χ^2/NDF : 934388.3/12

136.546+/-0.023 χ^2/NDF : 1591619.8/23

134.362+/-0.033 χ^2/NDF : 648276.9/10

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 44.762 ± 16.107 χ^2/NDF : 13.3/12

Right Out: 44.715 ± 19.410 χ^2/NDF : 24.4/18

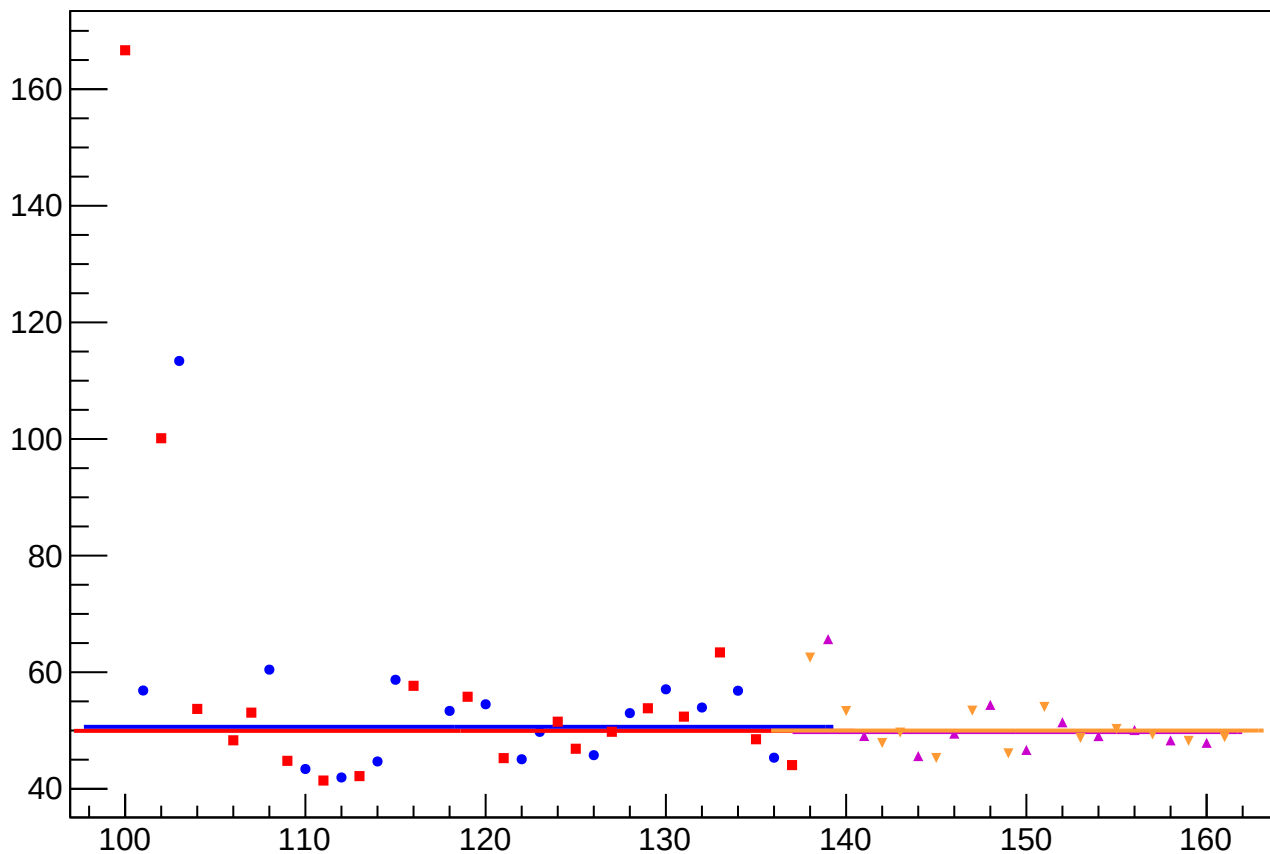
Left In: 44.860 ± 16.687 χ^2/NDF : 14.8/10

29.347 ± 12.581 χ^2/NDF : 30.3/29

37.028 ± 8.922 χ^2/NDF : 70.3/59

44.798 ± 12.654 χ^2/NDF : 39.2/29

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635+/-0.014 χ^2/NDF : 519687.1/16

Left Out: 49.994+/-0.011 χ^2/NDF : 112650.5/12

Right Out: 49.943+/-0.014 χ^2/NDF : 500488.8/18

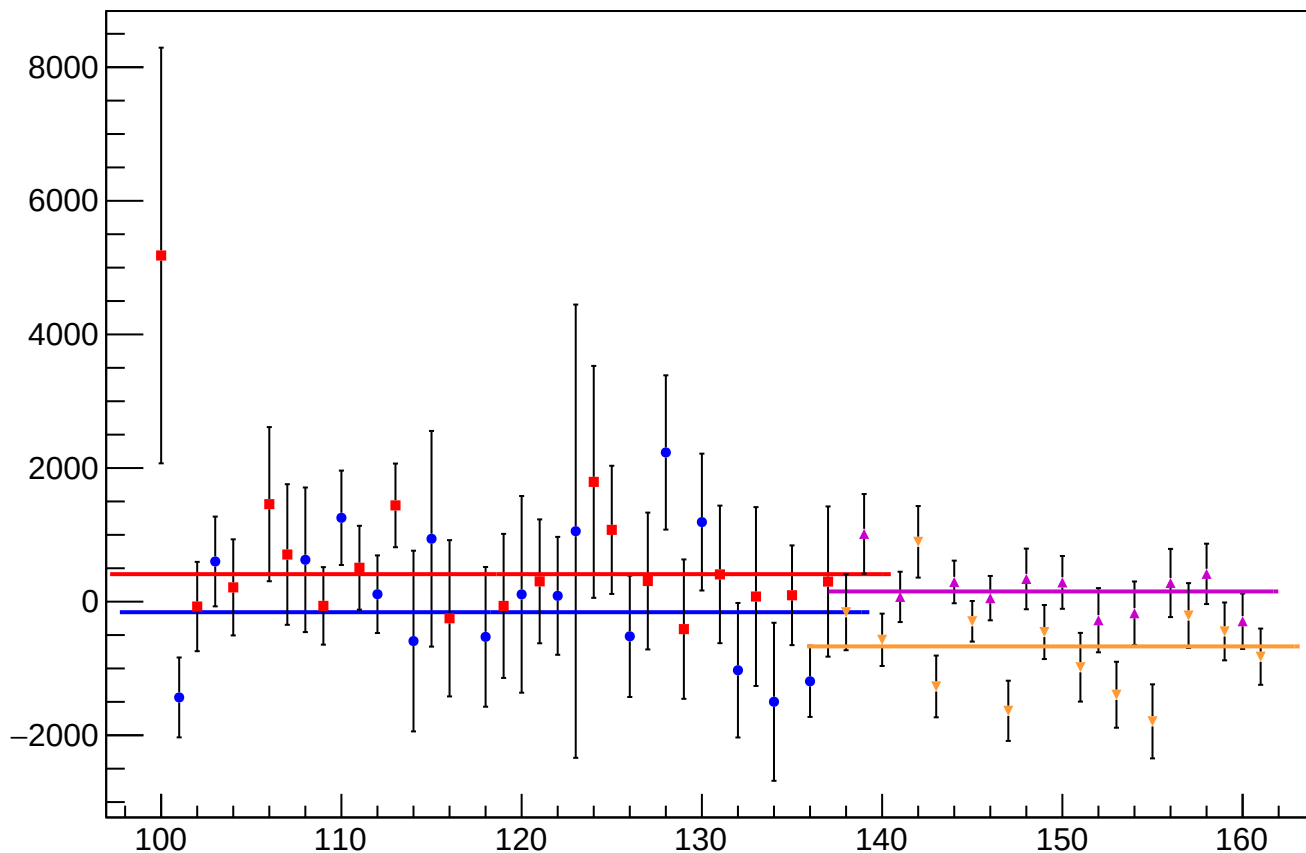
Left In: 49.731+/-0.012 χ^2/NDF : 124344.0/10

50.244+/-0.009 χ^2/NDF : 633573.1/29

50.034+/-0.006 χ^2/NDF : 1259664.2/59

49.821+/-0.009 χ^2/NDF : 624969.6/29

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -669.698 $\pm$ 123.086 χ^2 /NDF: 25.4/12

Right Out: 411.611 $\pm$ 203.633 χ^2 /NDF: 9.8/18

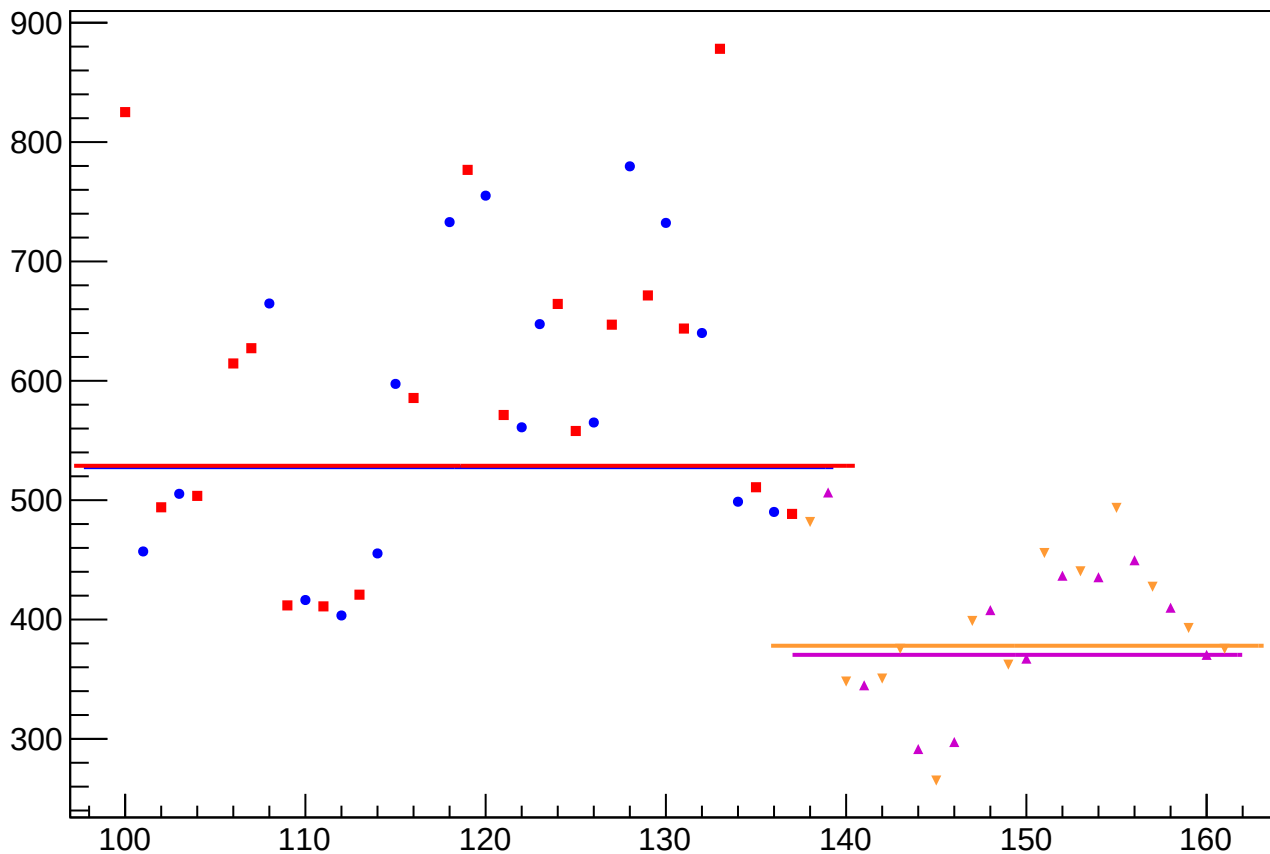
Left In: 152.656 $\pm$ 125.690 χ^2 /NDF: 5.5/10

-539.025 $\pm$ 106.214 χ^2 /NDF: 53.3/29

-160.124 $\pm$ 75.366 χ^2 /NDF: 95.4/59

224.096 $\pm$ 106.956 χ^2 /NDF: 16.5/29

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 378.045+/-0.087 χ^2/NDF : 554677.9/12

Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

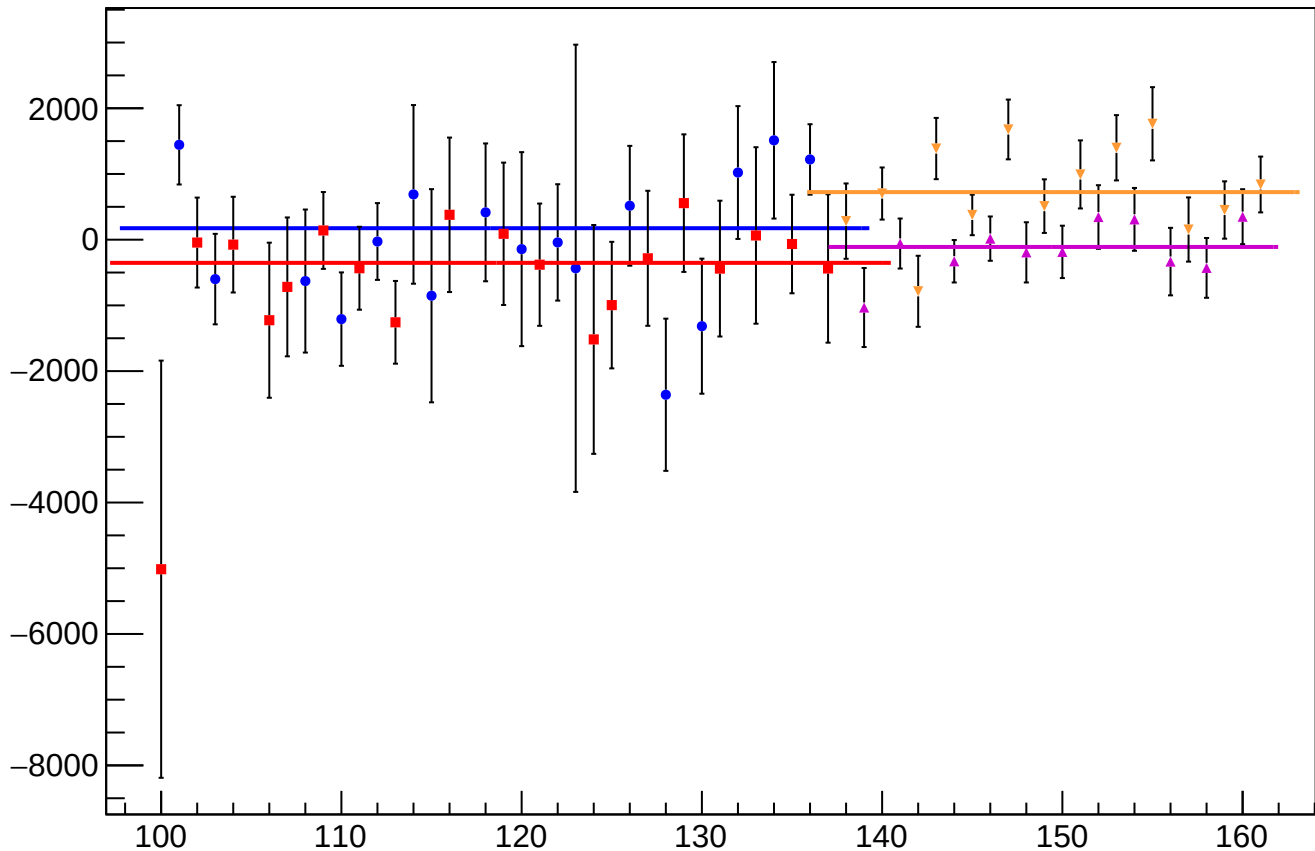
Left In: 370.415+/-0.089 χ^2/NDF : 485000.9/10

416.253+/-0.075 χ^2/NDF : 1866759.1/29

415.190+/-0.053 χ^2/NDF : 3851738.9/59

414.111+/-0.076 χ^2/NDF : 1984575.8/29

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 723.869 $\pm$ 124.255 χ^2 /NDF: 23.8/12

Right Out: -352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

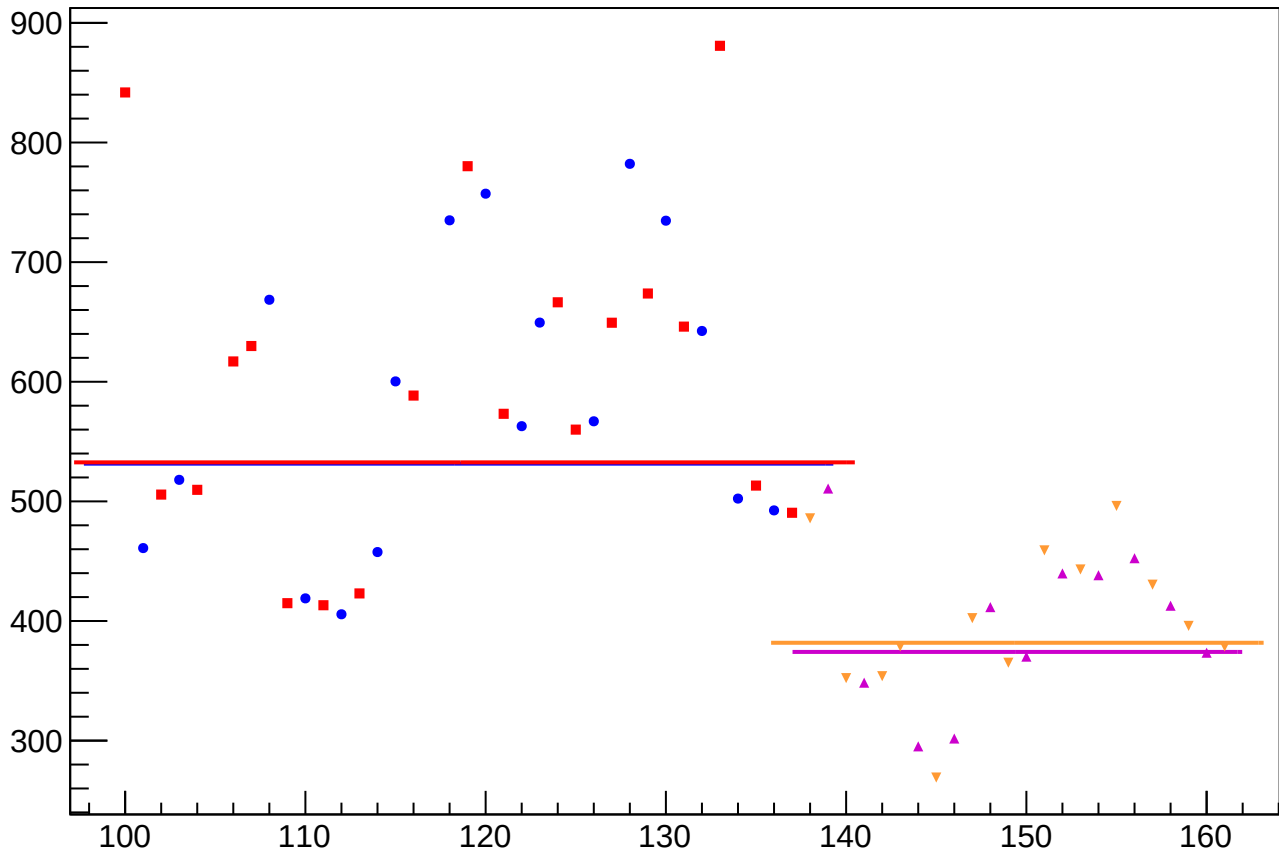
Left In: -110.582 $\pm$ 126.901 χ^2 /NDF: 6.6/10

583.095 $\pm$ 107.155 χ^2 /NDF: 52.5/29

205.525 $\pm$ 76.043 χ^2 /NDF: 93.5/59

-177.526 $\pm$ 107.930 χ^2 /NDF: 16.0/29

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 381.807 $\pm$ 0.088 χ^2 /NDF: 537584.9/12

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

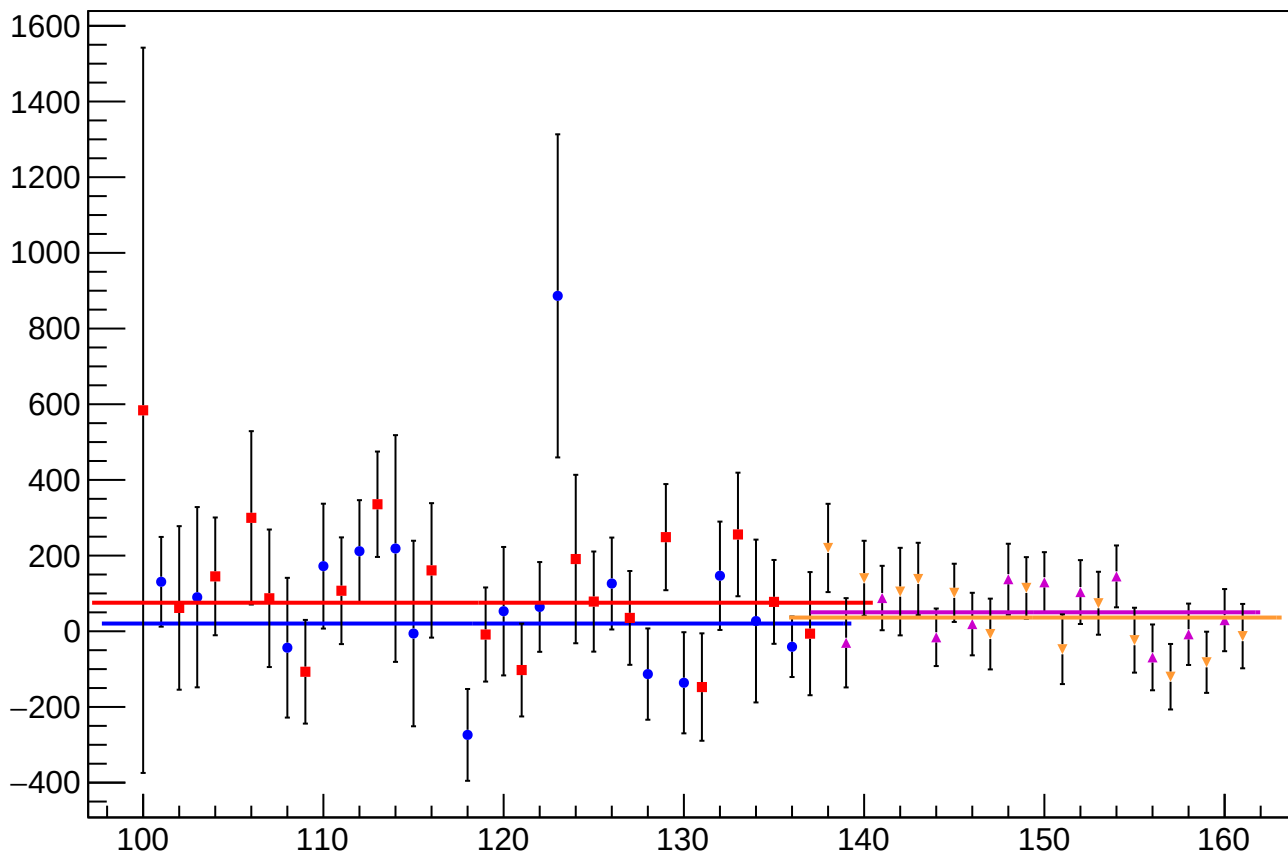
Left In: 374.151 $\pm$ 0.090 χ^2 /NDF: 471295.1/10

420.186 $\pm$ 0.076 χ^2 /NDF: 1832170.8/29

419.096 $\pm$ 0.054 χ^2 /NDF: 3782415.4/59

417.990 $\pm$ 0.076 χ^2 /NDF: 1949827.7/29

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 36.275+/-24.864 χ^2/NDF : 14.2/12

Right Out: 75.454+/-34.698 χ^2/NDF : 15.4/18

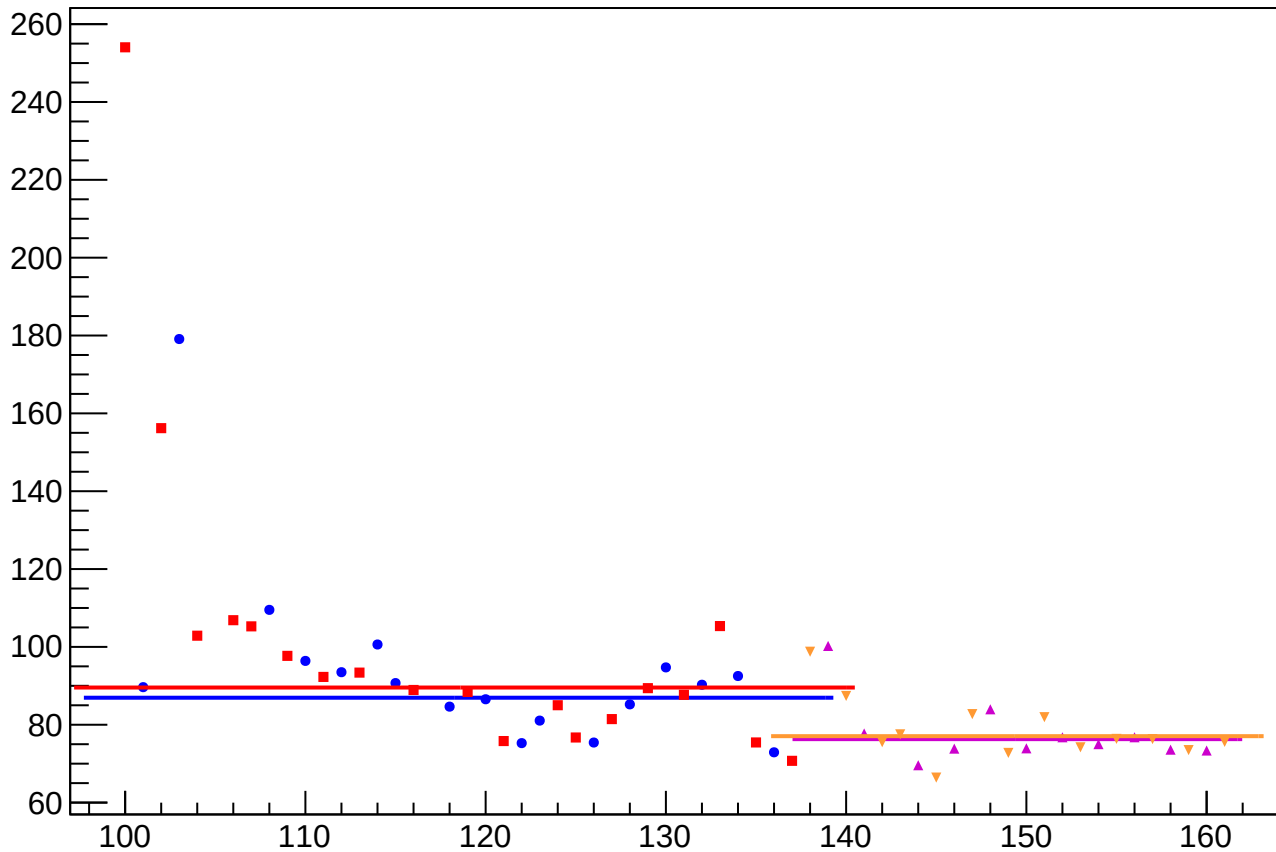
Left In: 50.145+/-25.619 χ^2/NDF : 7.6/10

30.879+/-20.188 χ^2/NDF : 33.6/29

44.685+/-14.422 χ^2/NDF : 57.9/59

59.075+/-20.610 χ^2/NDF : 23.4/29

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 ± 0.024 $\chi^2/\text{NDF}: 455809.4/16$

Left Out: 77.064 ± 0.018 $\chi^2/\text{NDF}: 155413.2/12$

Right Out: 89.561 ± 0.025 $\chi^2/\text{NDF}: 431229.7/18$

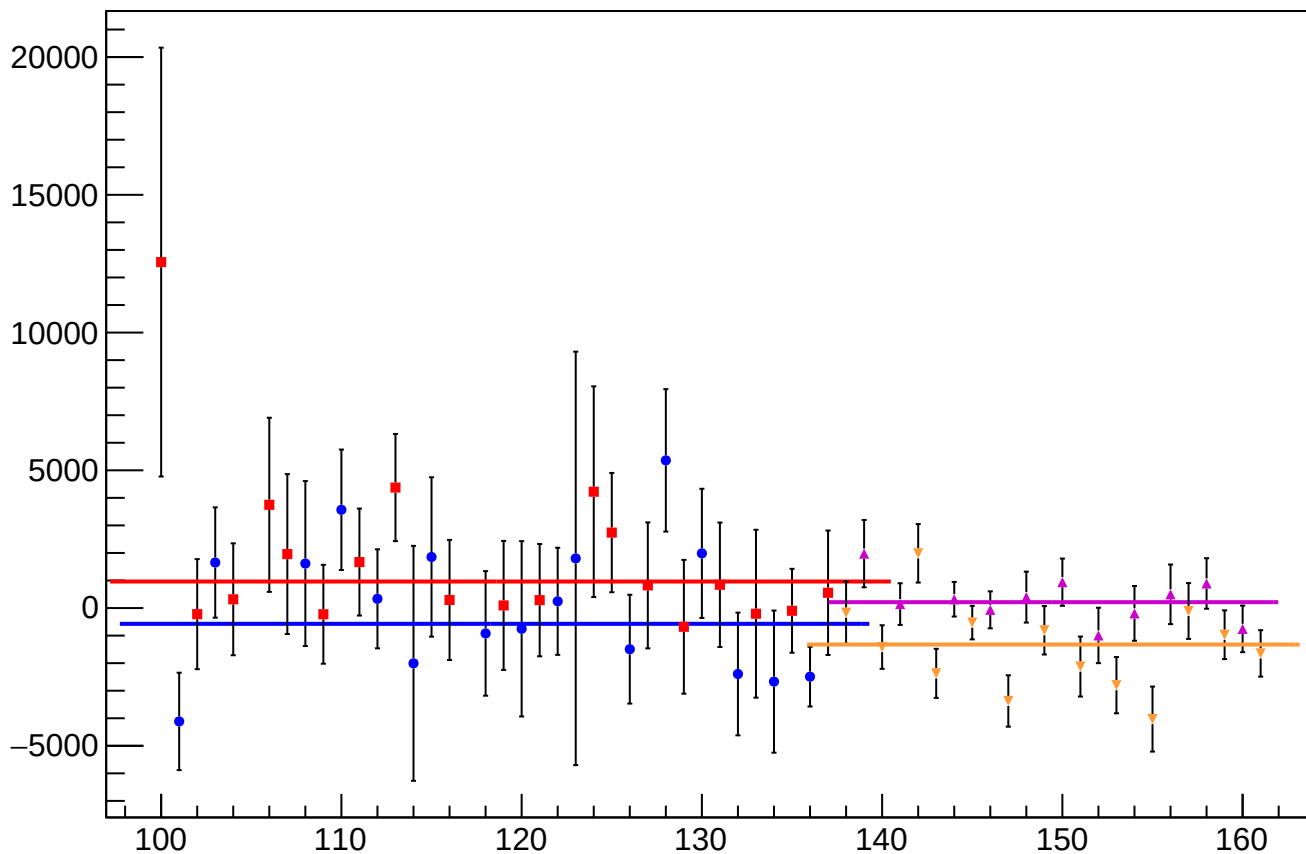
Left In: 76.302 ± 0.018 $\chi^2/\text{NDF}: 120824.4/10$

80.430 ± 0.014 $\chi^2/\text{NDF}: 718800.1/29$

80.700 ± 0.010 $\chi^2/\text{NDF}: 1460570.8/59$

80.980 ± 0.015 $\chi^2/\text{NDF}: 741044.6/29$

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 $\pm$ 517.020 χ^2 /NDF: 21.9/16

Left Out: -1323.912 $\pm$ 251.198 χ^2 /NDF:28.7/12

Right Out: 963.846 $\pm$ 514.621 χ^2 /NDF: 10.1/18

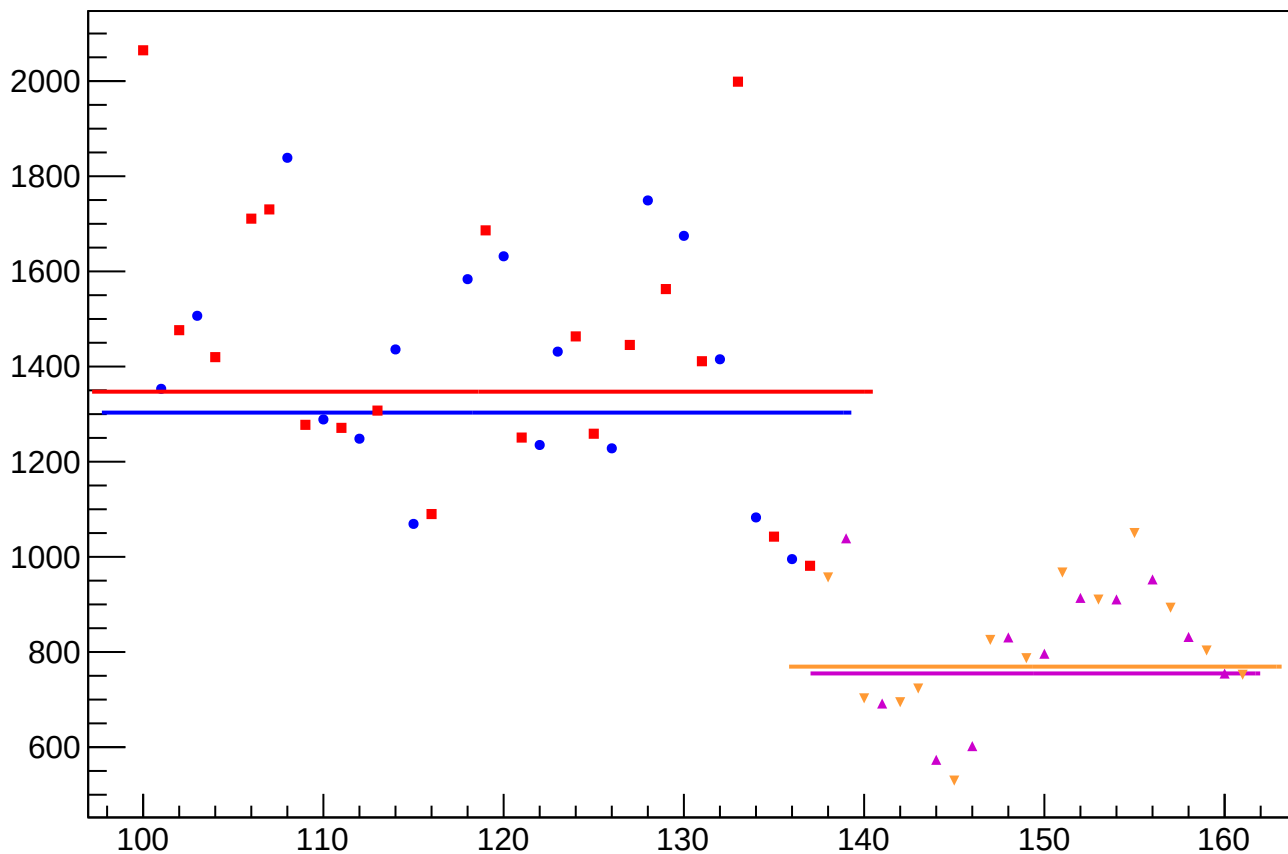
Left In: 213.824 $\pm$ 256.951 χ^2 /NDF:6.6/10

-1180.380 $\pm$ 225.942 χ^2 /NDF: 52.3/29

-421.808 $\pm$ 161.142 χ^2 /NDF: 93.6/59

363.493 $\pm$ 229.888 χ^2 /NDF: 18.4/29

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 769.272+/-0.178 χ^2/NDF : 653370.1/12

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

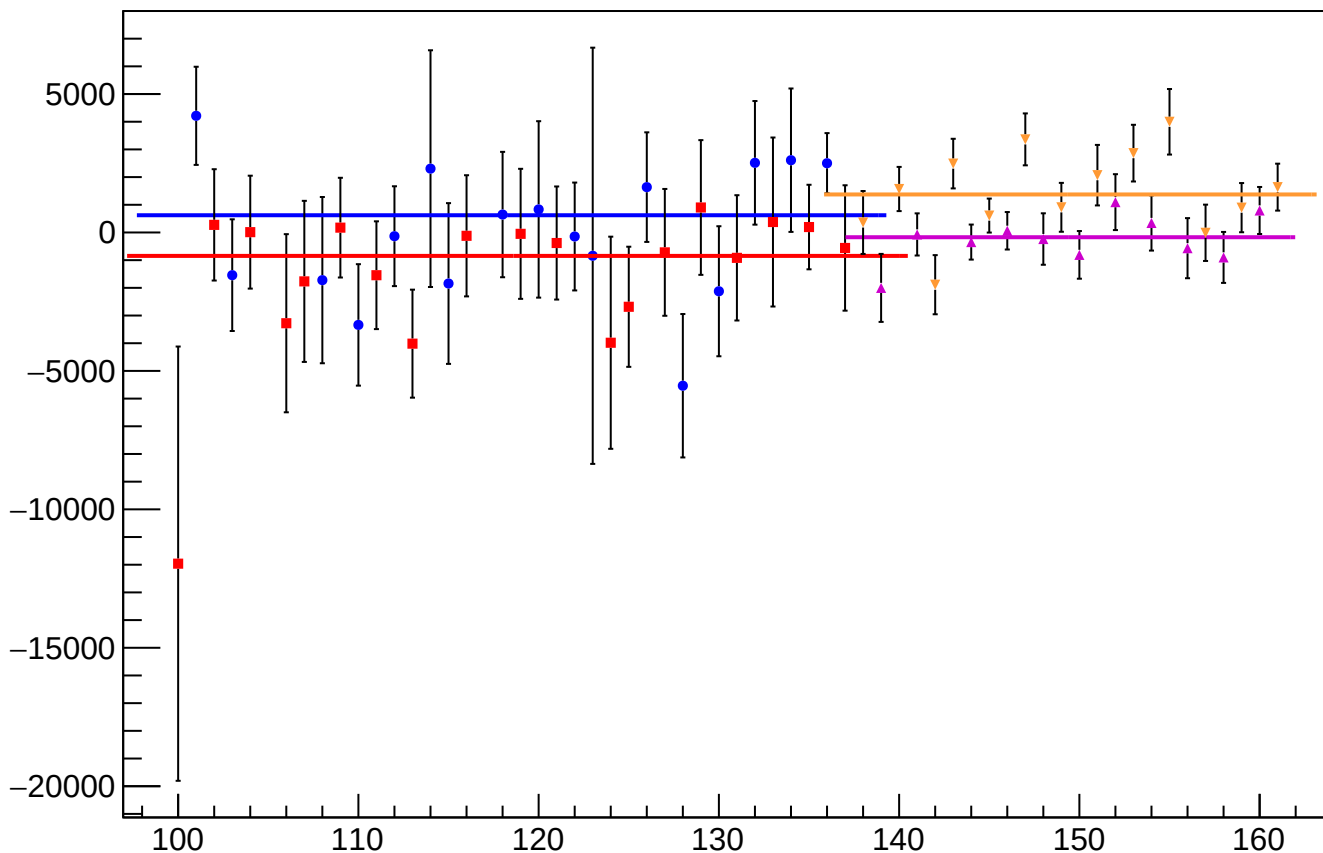
Left In: 754.947+/-0.182 χ^2/NDF : 590331.9/10

871.240+/-0.160 χ^2/NDF : 2830944.2/29

872.167+/-0.114 χ^2/NDF : 5962276.4/59

873.128+/-0.163 χ^2/NDF : 3131263.5/29

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1373.206 $\pm$ 252.596 χ^2 /NDF: 27.7/12

Right Out: -846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

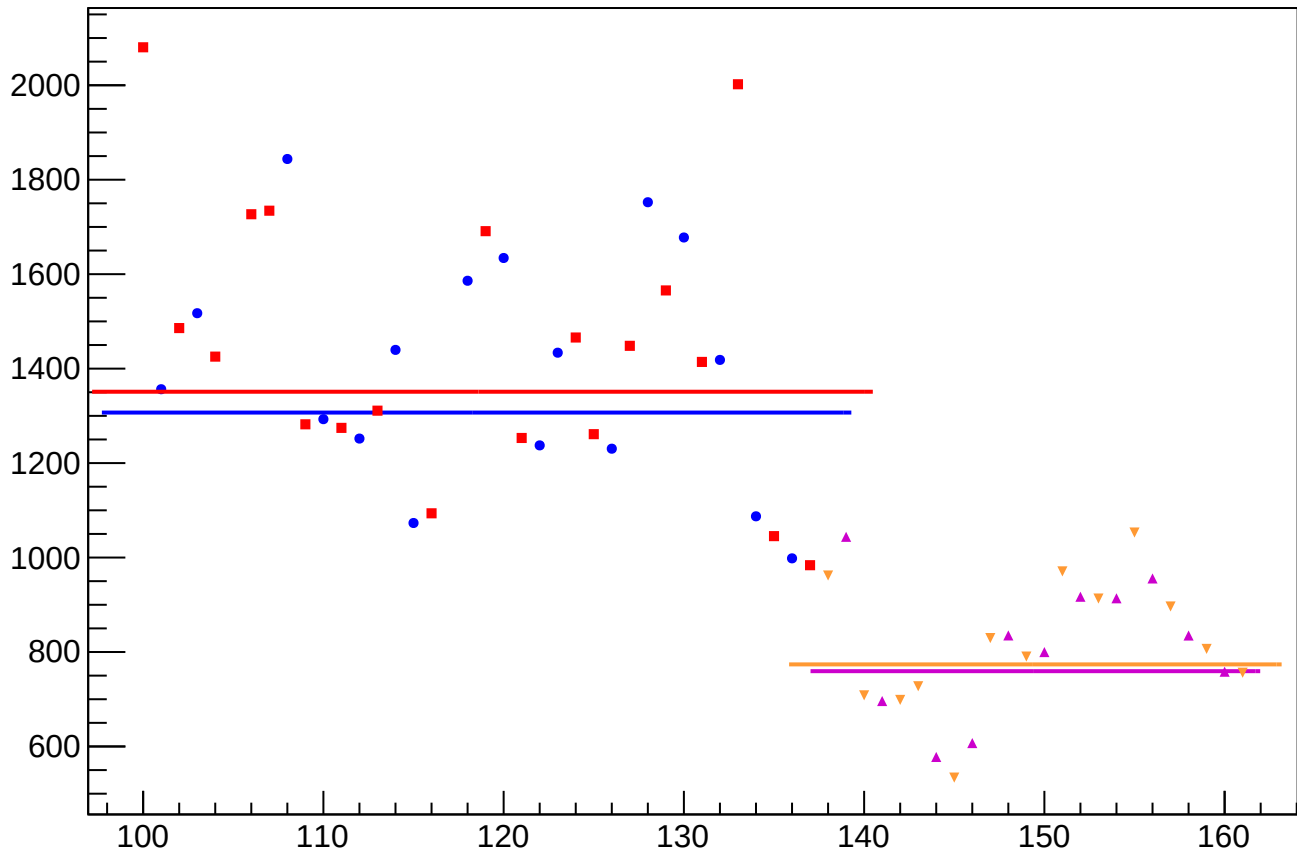
Left In: -171.610 $\pm$ 258.390 χ^2 /NDF: 6.9/10

1229.196 $\pm$ 227.082 χ^2 /NDF: 51.4/29

474.627 $\pm$ 161.963 χ^2 /NDF: 91.2/59

-306.683 $\pm$ 231.071 χ^2 /NDF: 17.3/29

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 773.782+/-0.179 χ^2/NDF : 642501.4/12

Right Out: 1351.096+/-0.365 χ^2/NDF : 421804.6/18

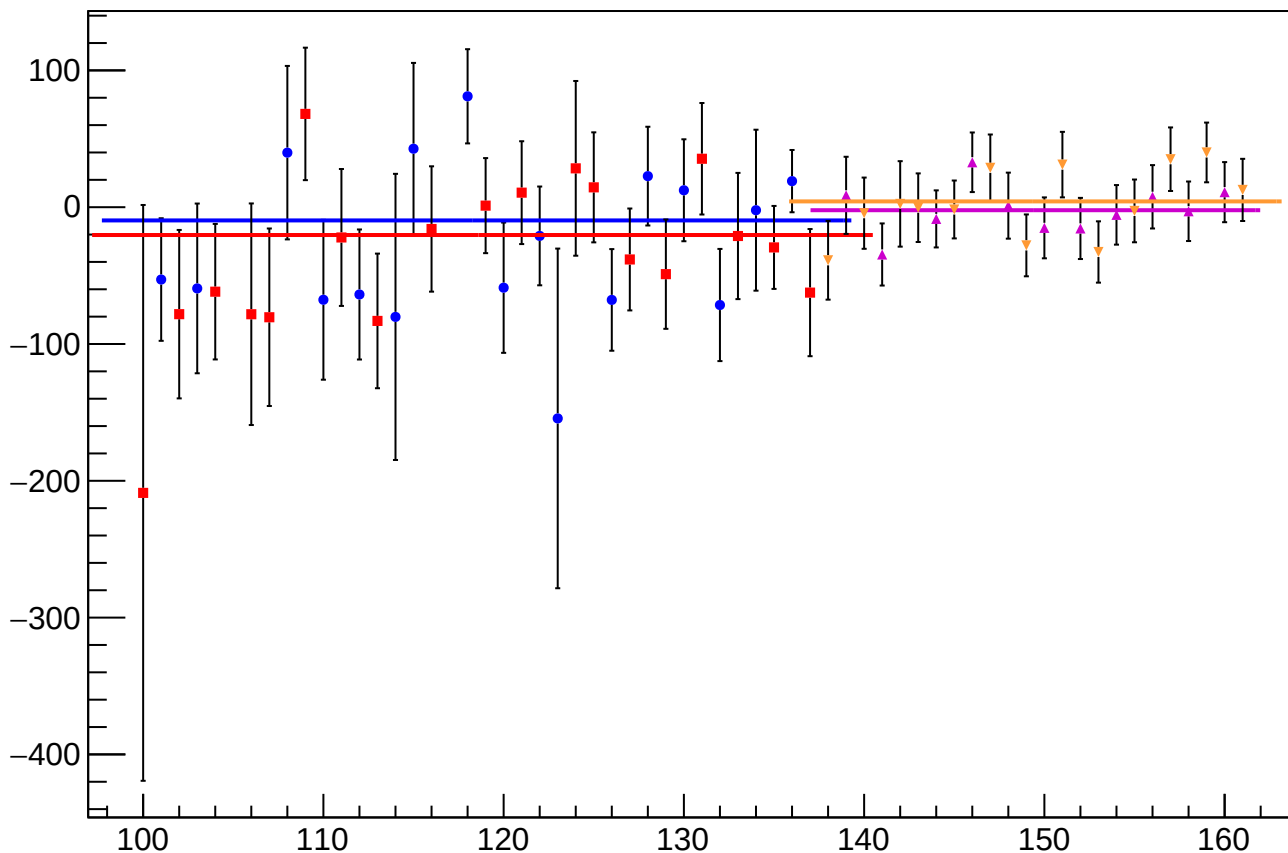
Left In: 759.414+/-0.183 χ^2/NDF : 580358.7/10

876.055+/-0.161 χ^2/NDF : 2803039.7/29

876.971+/-0.115 χ^2/NDF : 5905646.3/59

877.918+/-0.163 χ^2/NDF : 3102540.4/29

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: 4.237 ± 6.637 χ^2/NDF : 14.2/12

Right Out: -20.335 ± 10.444 χ^2/NDF : 14.7/18

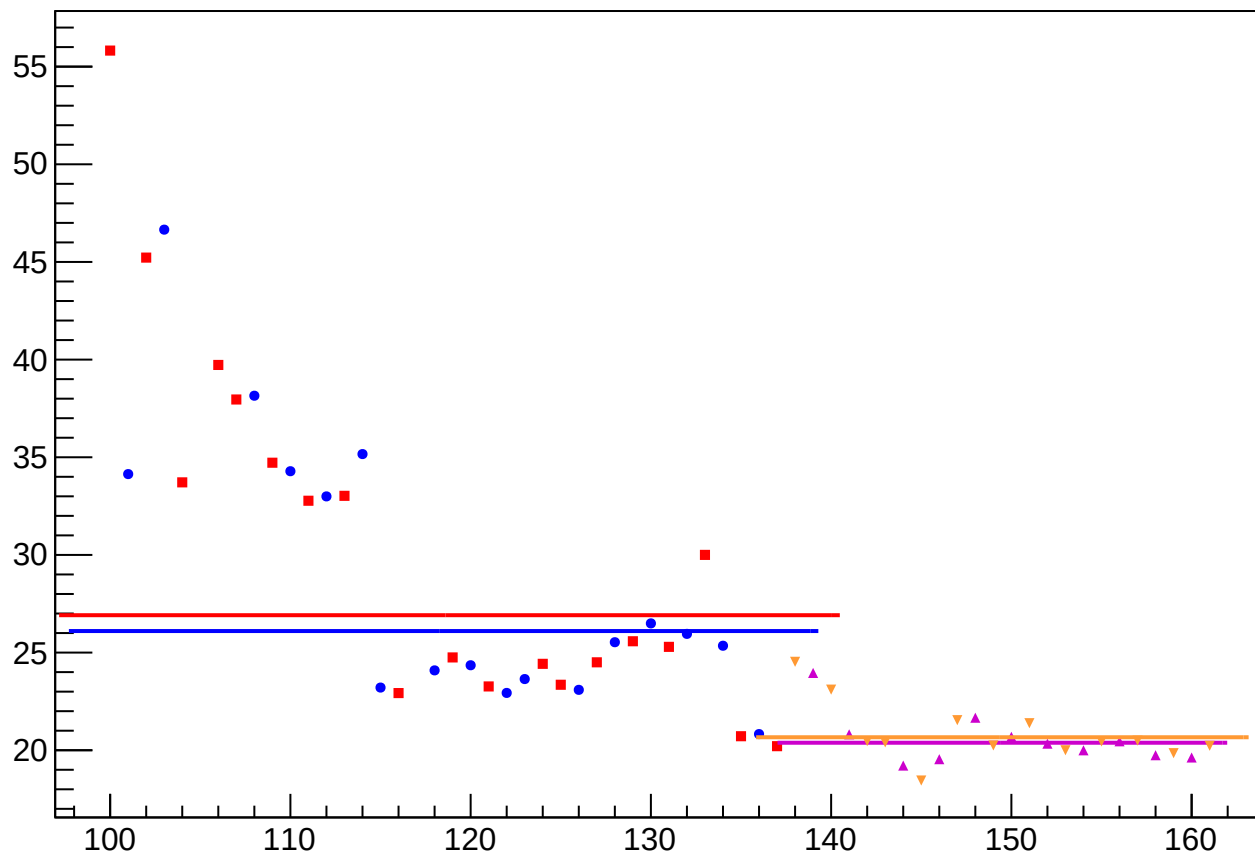
Left In: -2.205 ± 6.820 χ^2/NDF : 6.1/10

0.217 ± 5.596 χ^2/NDF : 38.0/29

-3.625 ± 3.997 χ^2/NDF : 61.9/59

-7.625 ± 5.710 χ^2/NDF : 22.9/29

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: 20.665+/-0.005 χ^2/NDF : 86456.4/12

Right Out: 26.914+/-0.007 χ^2/NDF : 678970.2/18

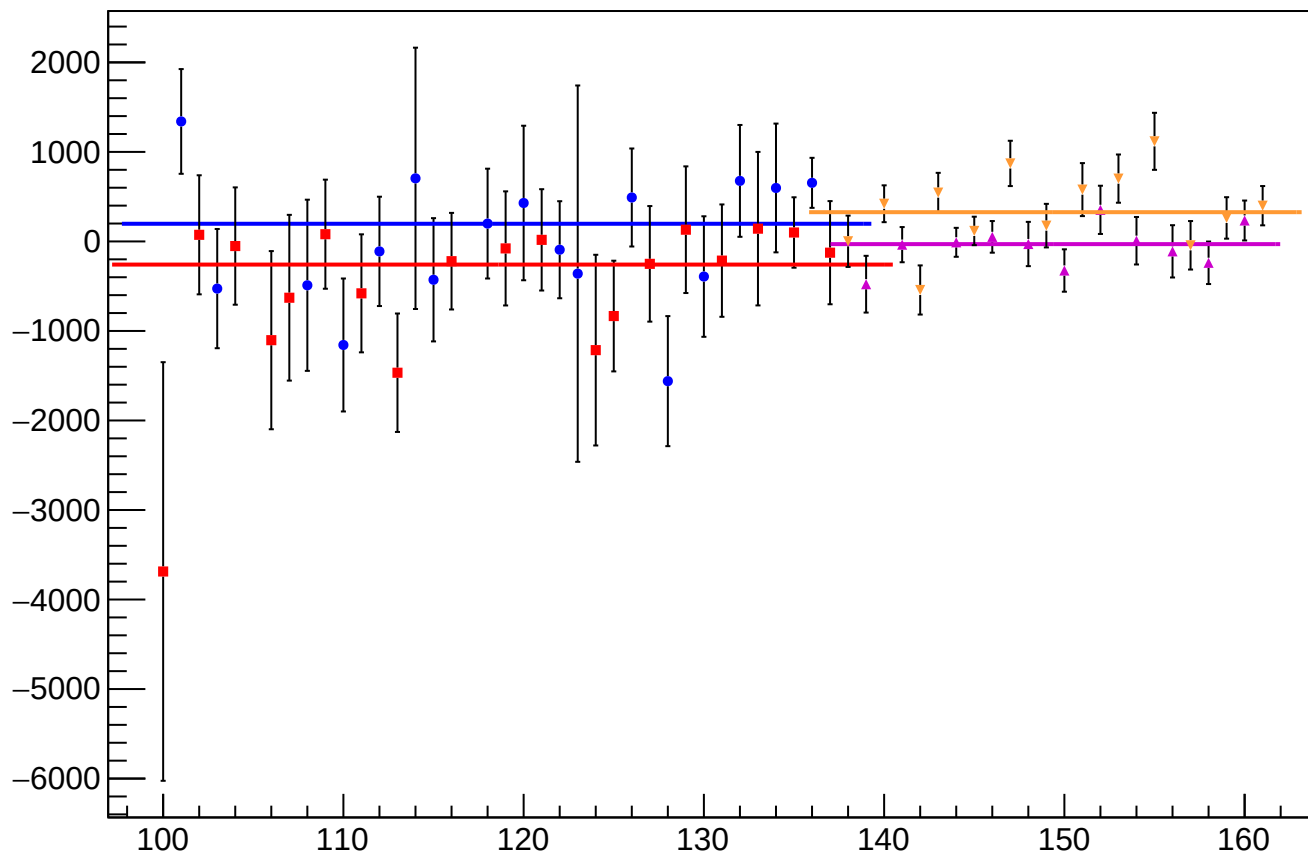
Left In: 20.384+/-0.005 χ^2/NDF : 52912.3/10

22.237+/-0.004 χ^2/NDF : 1078615.8/29

22.286+/-0.003 χ^2/NDF : 2358905.3/59

22.336+/-0.004 χ^2/NDF : 1279981.0/29

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 326.803 ± 65.976 χ^2/NDF : 30.1/12

Right Out: -258.537 ± 149.867 χ^2/NDF : 10.7/18

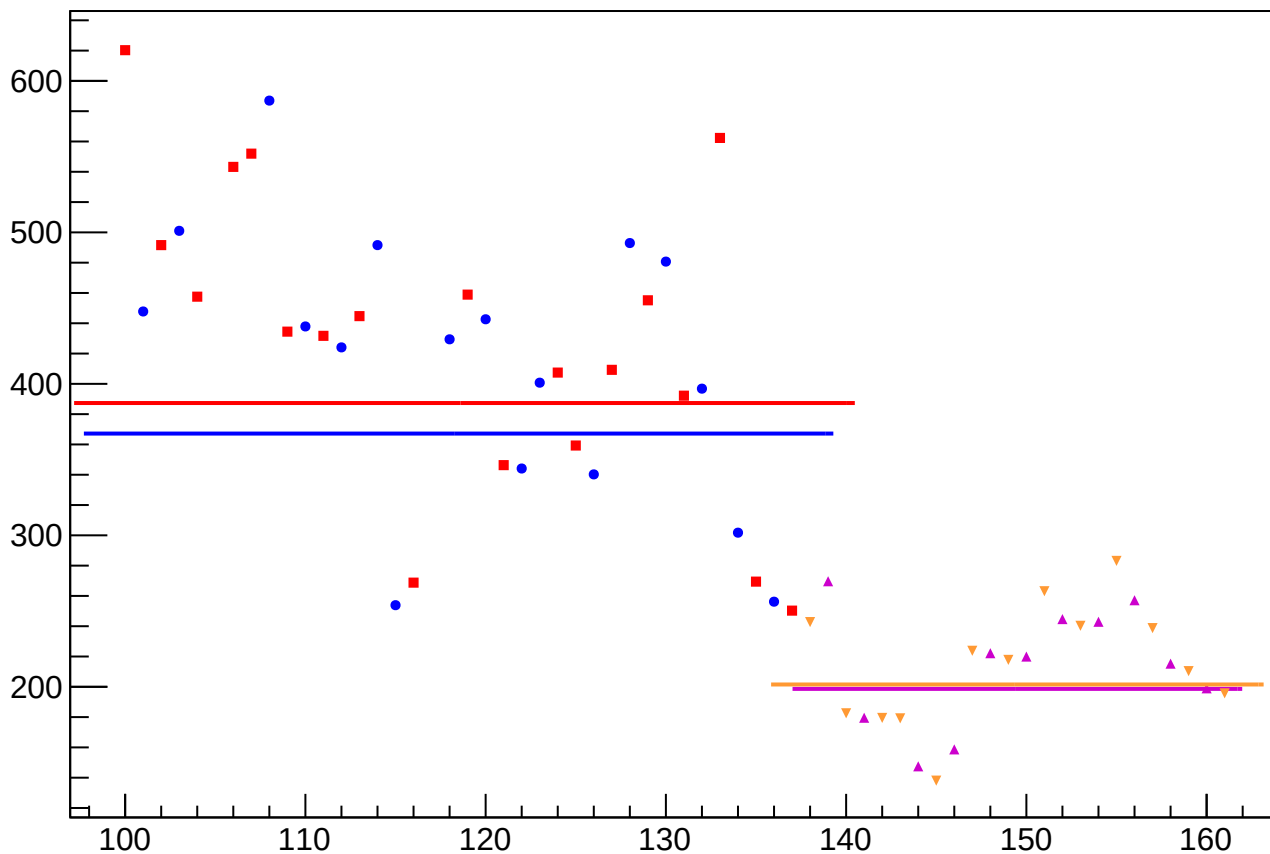
Left In: -30.046 ± 67.745 χ^2/NDF : 8.1/10

305.310 ± 60.252 χ^2/NDF : 51.7/29

122.785 ± 43.118 χ^2/NDF : 91.2/59

-68.813 ± 61.731 χ^2/NDF : 20.7/29

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: 201.532 $\pm$ 0.047 χ^2/NDF : 736331.4/12

Right Out: 387.344 $\pm$ 0.106 χ^2/NDF : 774562.4/18

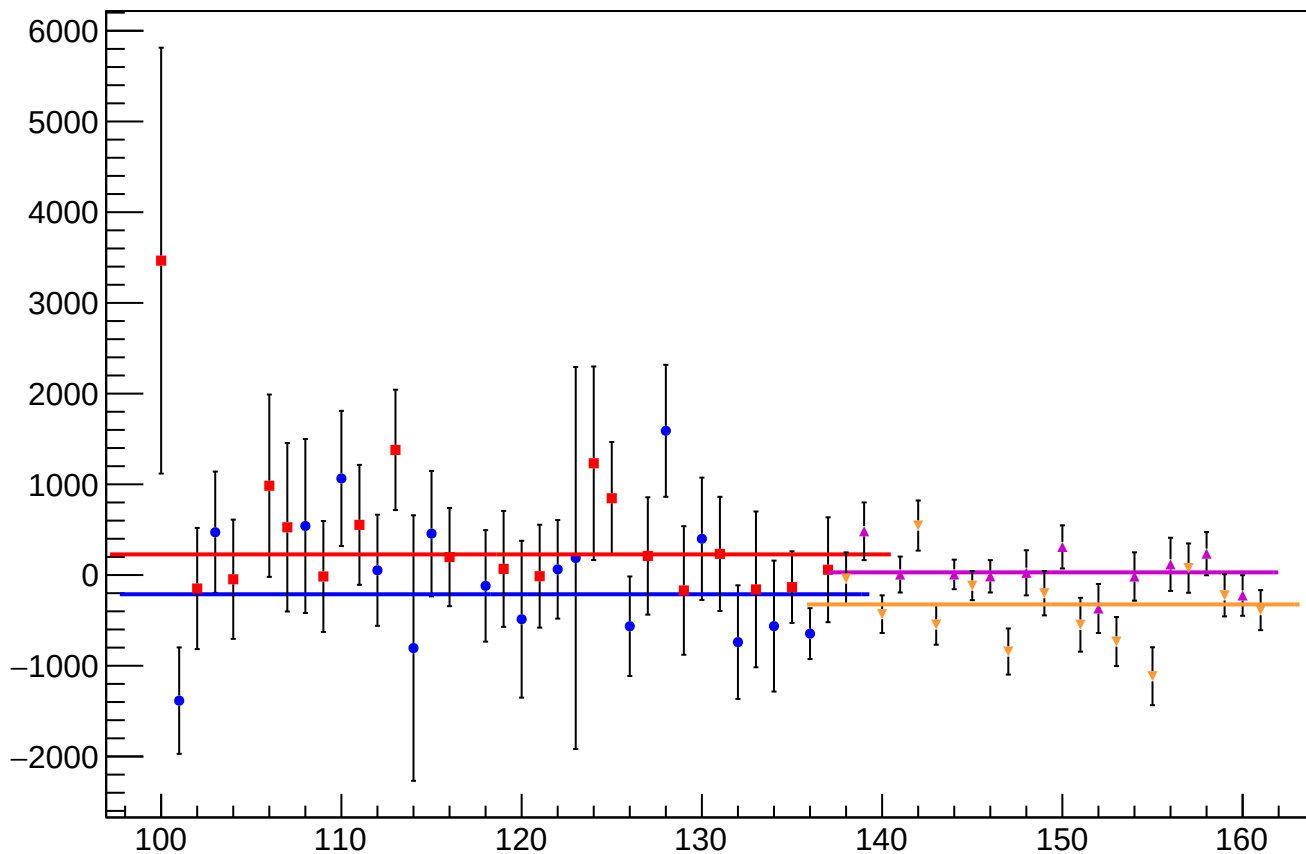
Left In: 198.623 $\pm$ 0.048 χ^2/NDF : 660222.4/10

229.029 $\pm$ 0.043 χ^2/NDF : 3656308.1/29

229.817 $\pm$ 0.030 χ^2/NDF : 7725136.5/59

230.643 $\pm$ 0.044 χ^2/NDF : 4068128.2/29

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -323.882 ± 66.362 χ^2/NDF : 29.7/12

Right Out: 227.831 ± 150.317 χ^2/NDF : 10.1/18

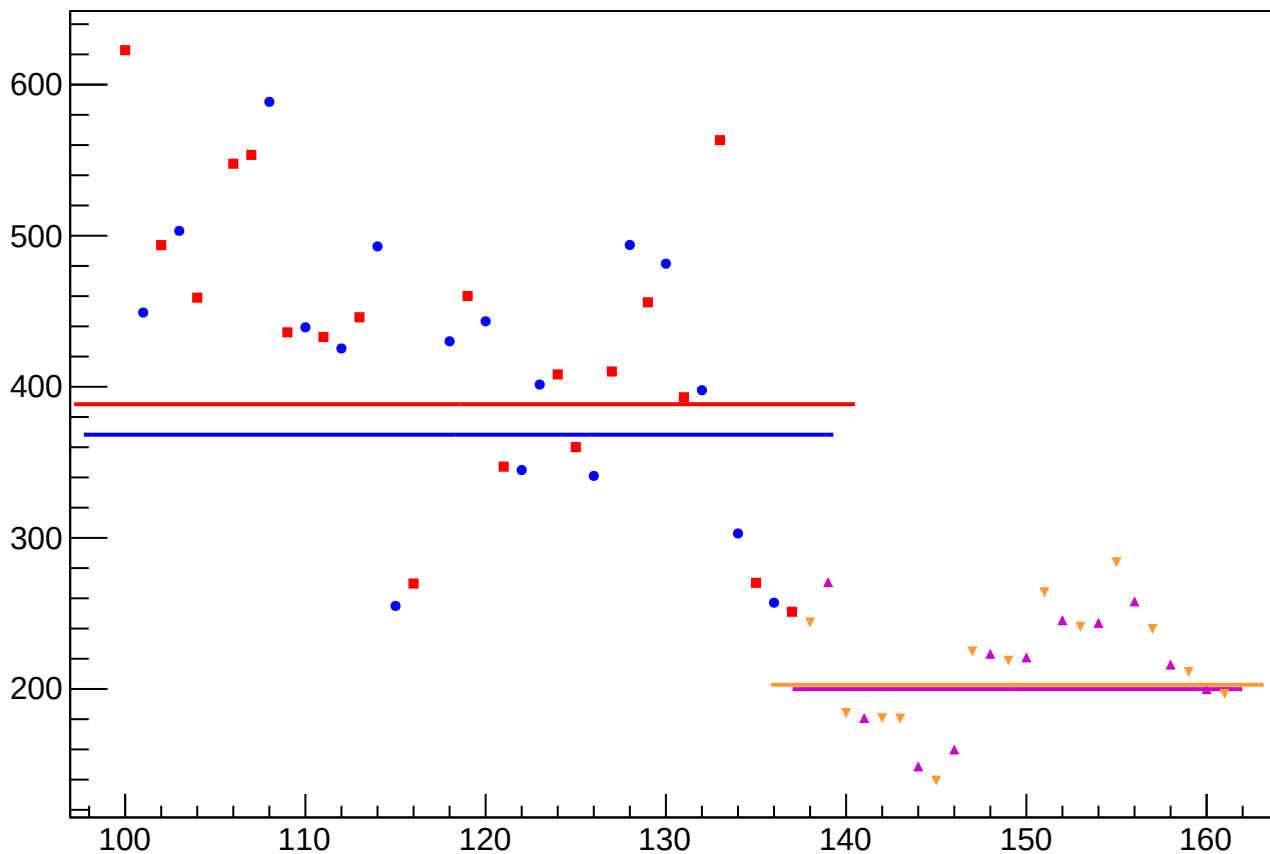
Left In: 29.574 ± 68.140 χ^2/NDF : 7.8/10

-305.196 ± 60.575 χ^2/NDF : 51.2/29

-125.379 ± 43.349 χ^2/NDF : 88.6/59

63.369 ± 62.061 χ^2/NDF : 19.3/29

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302+/-0.105 χ^2/NDF : 824619.2/16

Left Out: 202.798+/-0.047 χ^2/NDF : 722135.9/12

Right Out: 388.472+/-0.106 χ^2/NDF : 774717.2/18

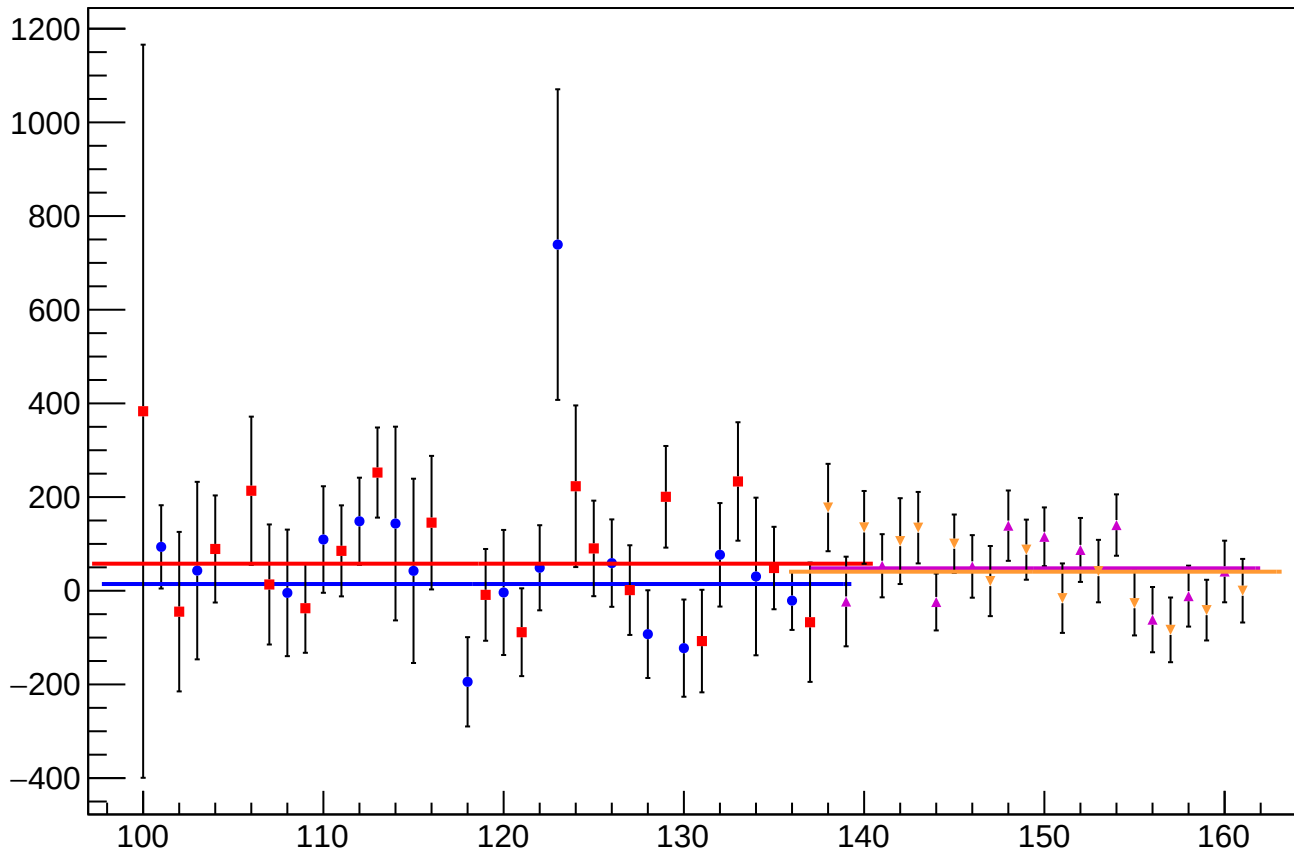
Left In: 199.866+/-0.048 χ^2/NDF : 647266.6/10

230.405+/-0.043 χ^2/NDF : 3621736.3/29

231.191+/-0.031 χ^2/NDF : 7656353.1/59

232.017+/-0.044 χ^2/NDF : 4033926.4/29

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 40.709 $\pm$ 19.870 χ^2 /NDF:13.9/12

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

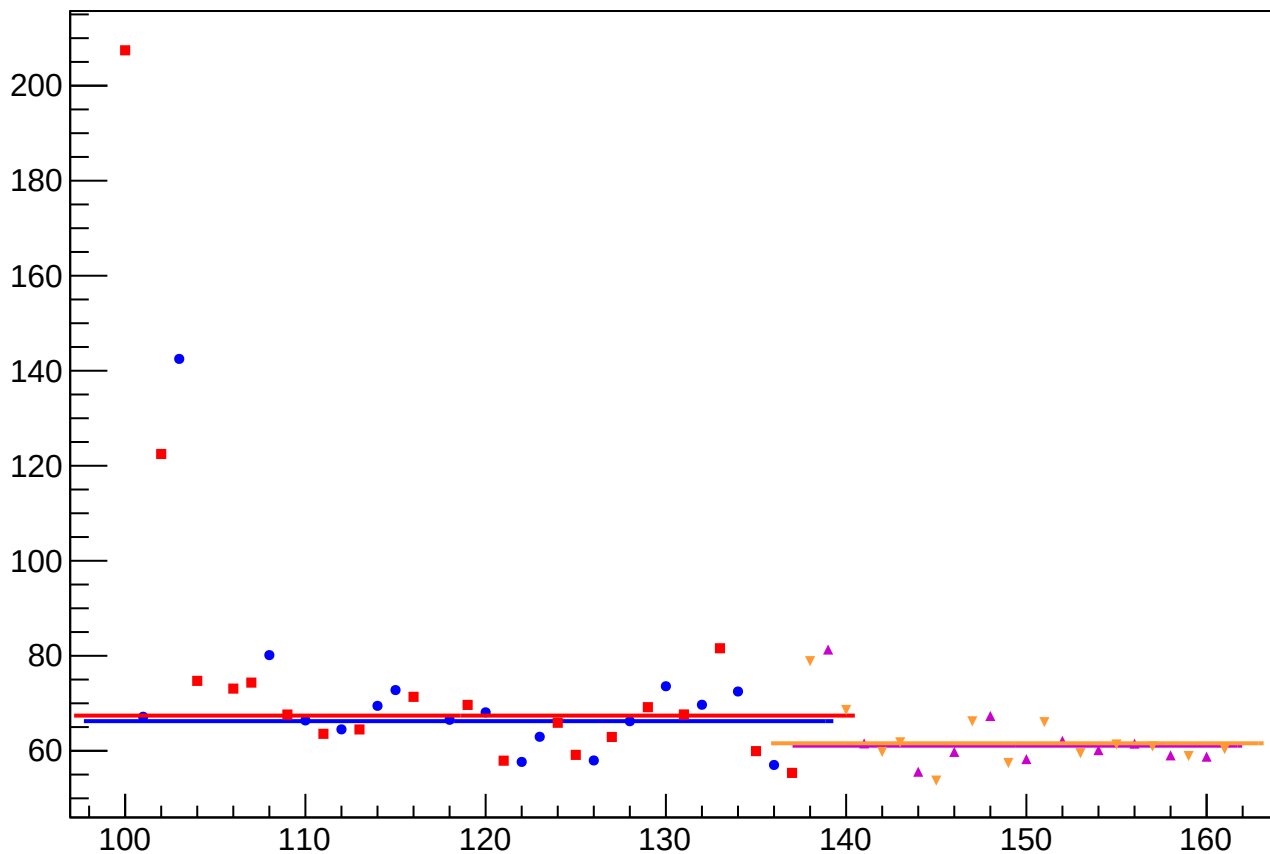
Left In: 47.866 $\pm$ 20.513 χ^2 /NDF:10.2/10

31.159 $\pm$ 15.861 χ^2 /NDF: 32.2/29

41.232 $\pm$ 11.310 χ^2 /NDF: 61.8/59

51.653 $\pm$ 16.133 χ^2 /NDF: 28.7/29

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 ± 0.019 χ^2/NDF : 440944.2/16

Left Out: 61.585 ± 0.014 χ^2/NDF : 146995.9/12

Right Out: 67.415 ± 0.018 χ^2/NDF : 393608.5/18

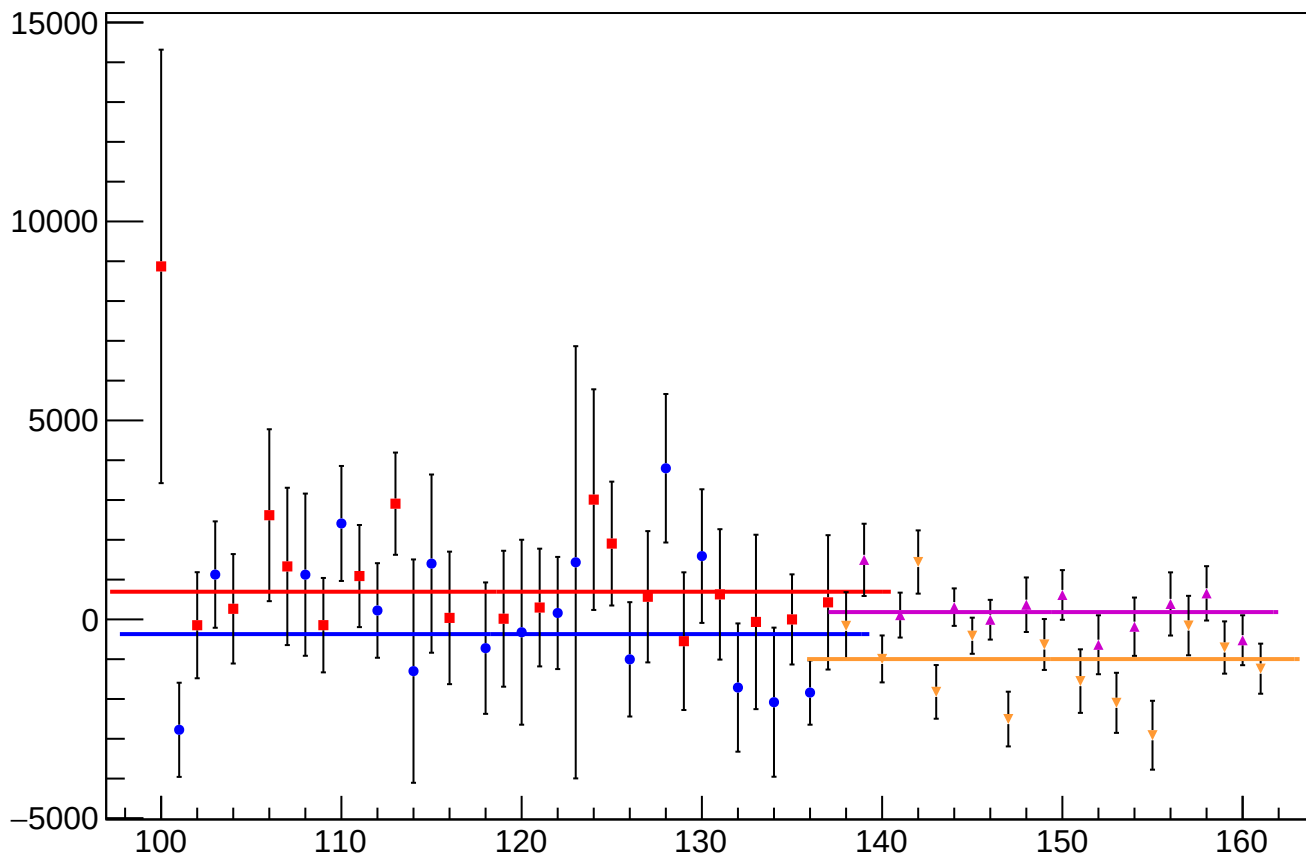
Left In: 61.084 ± 0.015 χ^2/NDF : 129856.1/10

63.276 ± 0.011 χ^2/NDF : 627884.7/29

63.386 ± 0.008 χ^2/NDF : 1224215.7/59

63.499 ± 0.011 χ^2/NDF : 596137.0/29

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -997.073+/-186.486 χ^2/NDF : 27.8/12

Right Out: 695.425+/-361.887 χ^2/NDF : 9.9/18

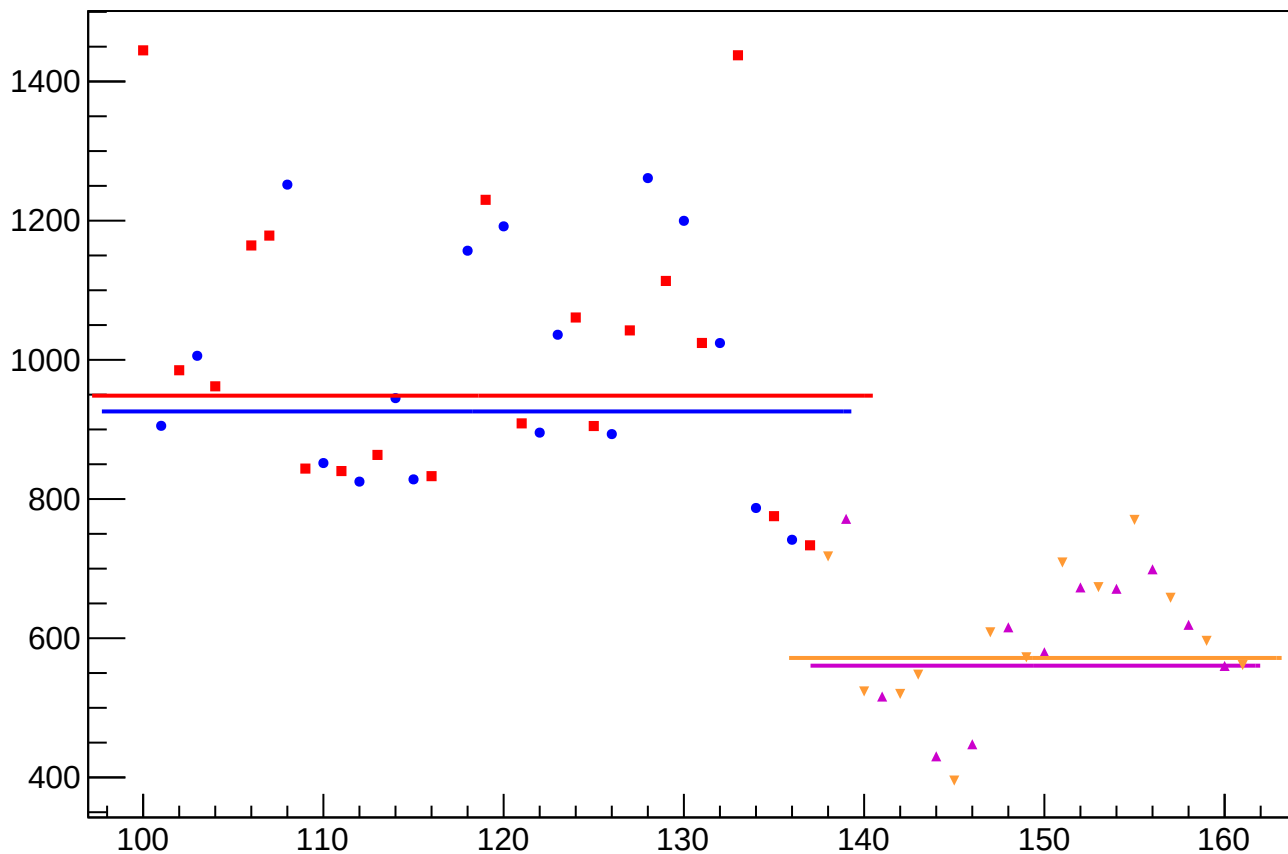
Left In: 183.806+/-190.608 χ^2/NDF : 6.2/10

-867.977+/-166.201 χ^2/NDF : 52.4/29

-295.020+/-118.376 χ^2/NDF : 94.2/59

294.914+/-168.645 χ^2/NDF : 17.7/29

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: 571.658 $\pm$ 0.132 χ^2 /NDF: 621163.0/12

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

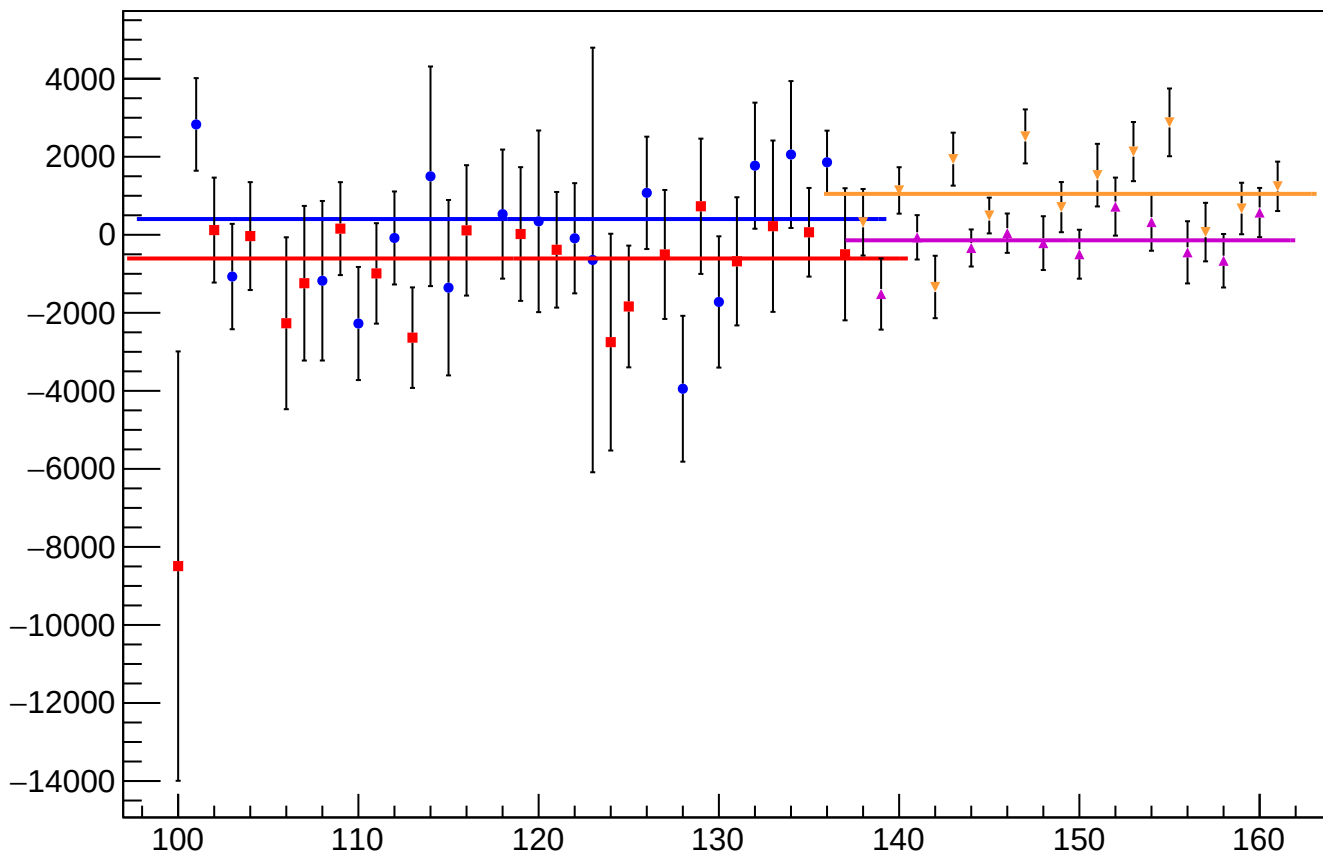
Left In: 560.566 $\pm$ 0.135 χ^2 /NDF: 557608.2/10

644.530 $\pm$ 0.118 χ^2 /NDF: 2496739.1/29

644.675 $\pm$ 0.084 χ^2 /NDF: 5235918.7/59

644.825 $\pm$ 0.119 χ^2 /NDF: 2739176.5/29

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1049.042+/-187.679 χ^2/NDF : 26.6/12

Right Out: -607.276+/-363.327 χ^2/NDF : 8.8/18

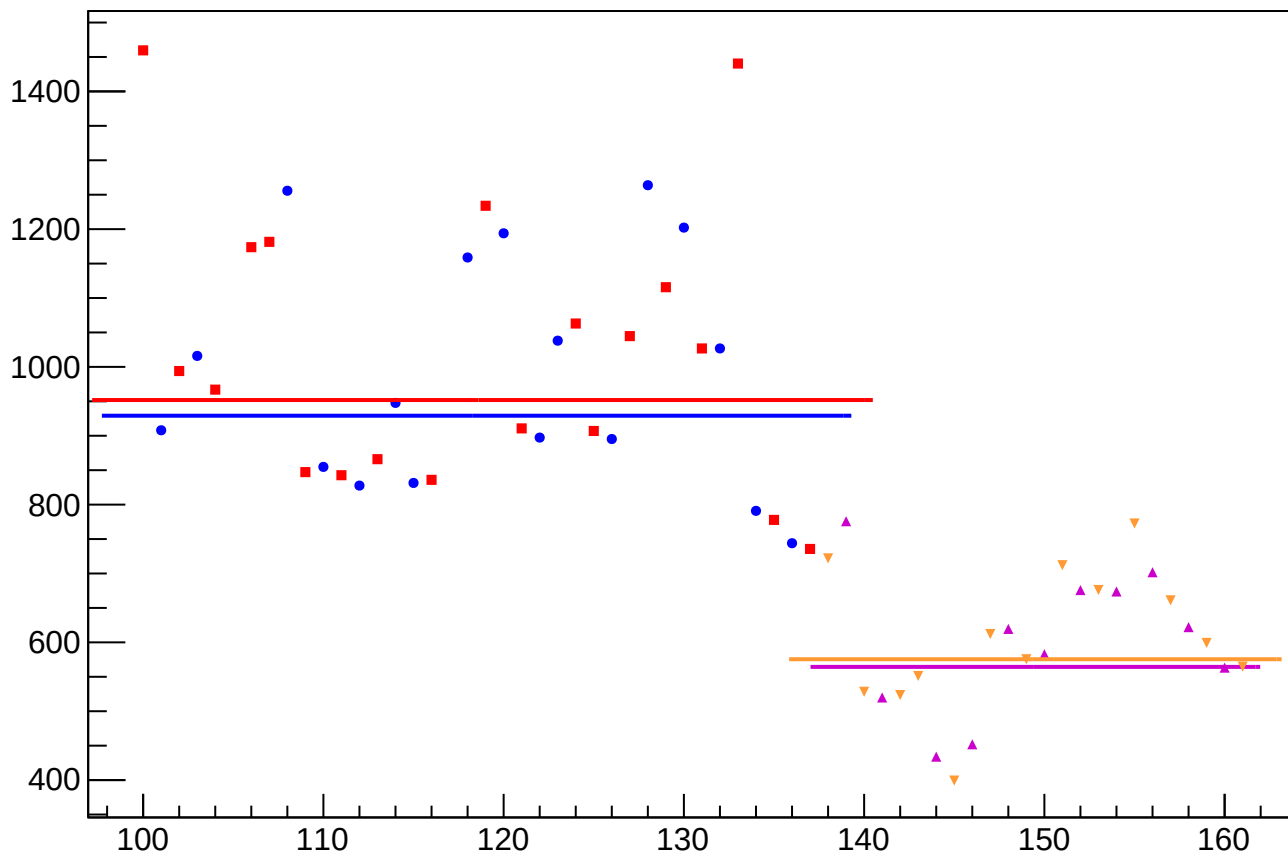
Left In: -141.712+/-191.840 χ^2/NDF : 6.7/10

915.633+/-167.162 χ^2/NDF : 51.5/29

344.750+/-119.069 χ^2/NDF : 91.9/59

-243.211+/-169.644 χ^2/NDF : 16.8/29

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2/NDF : 390292.1/16

Left Out: 575.501 $\pm$ 0.133 χ^2/NDF : 609058.0/12

Right Out: 951.847 $\pm$ 0.257 χ^2/NDF : 382219.3/18

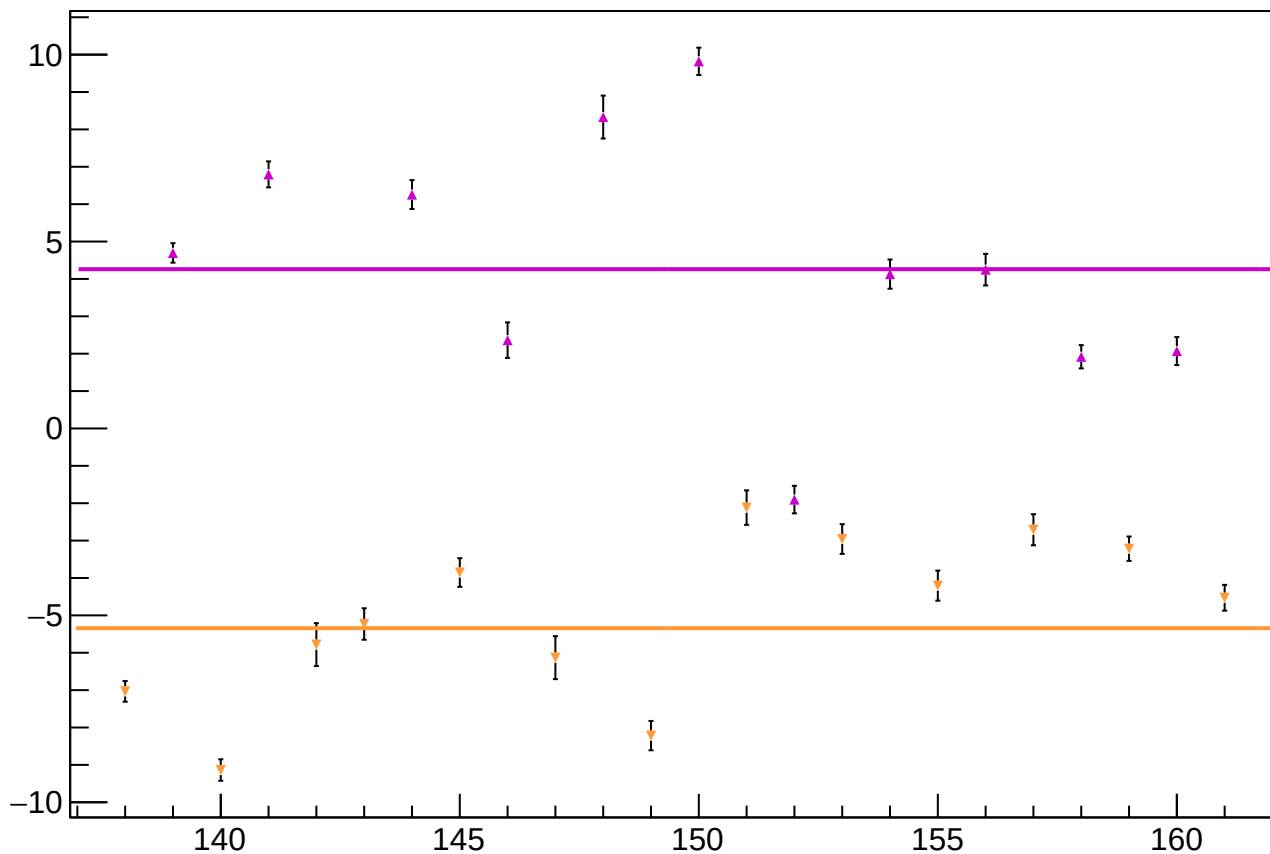
Left In: 564.379 $\pm$ 0.136 χ^2/NDF : 546920.4/10

648.586 $\pm$ 0.118 χ^2/NDF : 2466697.8/29

648.717 $\pm$ 0.084 χ^2/NDF : 5174546.7/59

648.852 $\pm$ 0.120 χ^2/NDF : 2707846.4/29

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -5.344+/-0.105 χ^2/NDF : 463.2/12

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

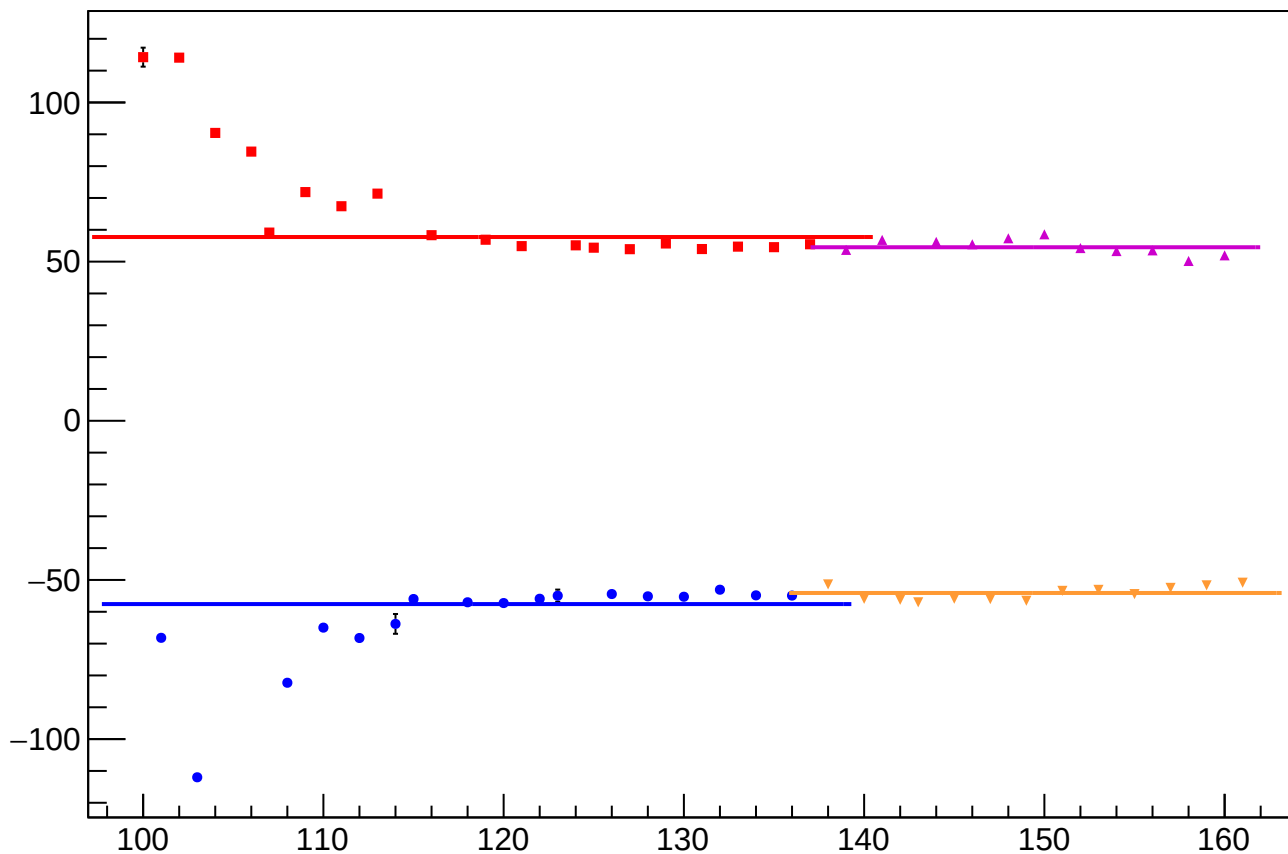
Left In: 4.261+/-0.111 χ^2/NDF : 751.0/10

-5.344+/-0.105 χ^2/NDF : 463.2/12

-0.802+/-0.076 χ^2/NDF : 5182.3/23

4.261+/-0.111 χ^2/NDF : 751.0/10

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 $\pm$ 0.143 χ^2/NDF : 3455.5/16

Left Out: -54.091 $\pm$ 0.077 χ^2/NDF : 772.7/12

Right Out: 57.732 $\pm$ 0.143 χ^2/NDF : 4698.5/18

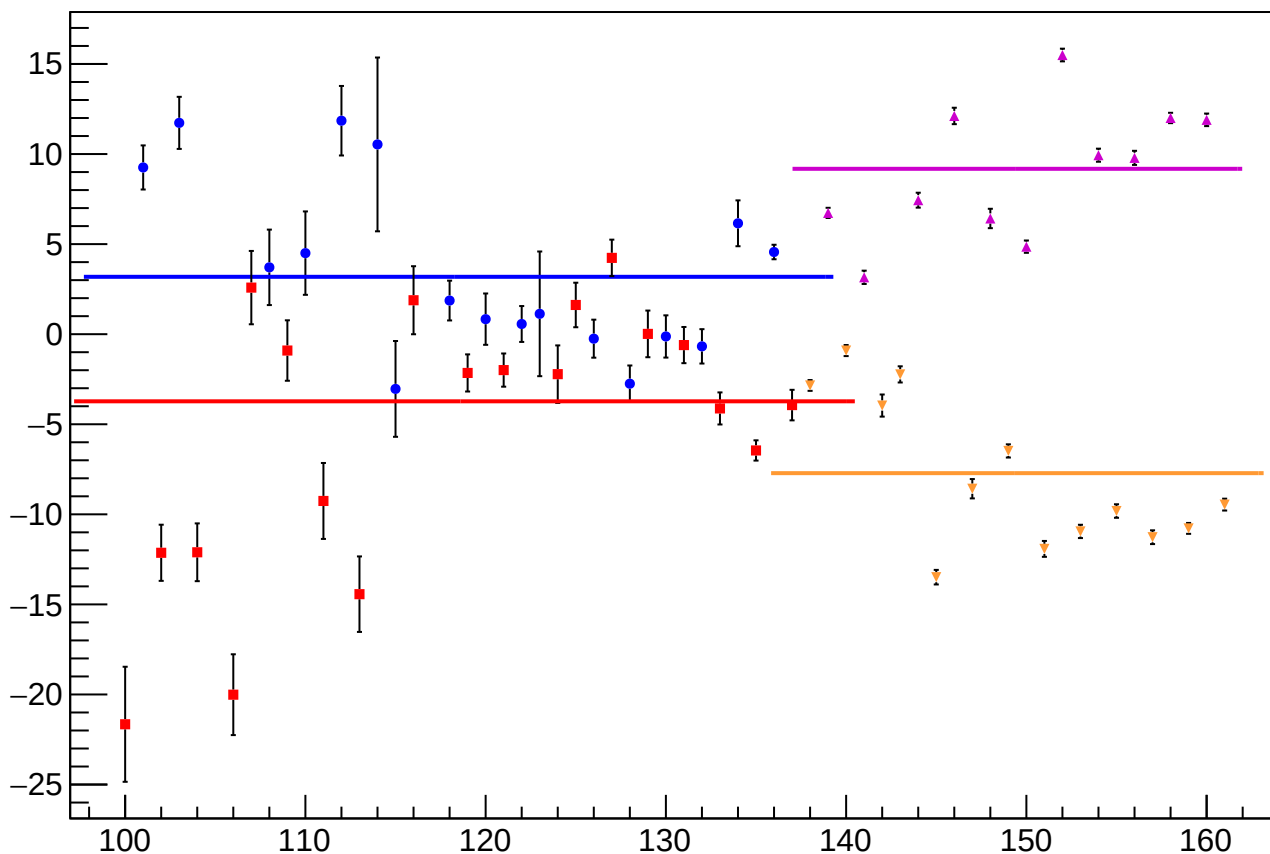
Left In: 54.518 $\pm$ 0.082 χ^2/NDF : 1031.8/10

-54.869 $\pm$ 0.068 χ^2/NDF : 4690.7/29

-2.701 $\pm$ 0.049 χ^2/NDF : 1271045.8/59

55.316 $\pm$ 0.071 χ^2/NDF : 6110.3/29

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.714 ± 0.104 $\chi^2/\text{NDF}: 1575.2/12$

Right Out: -3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

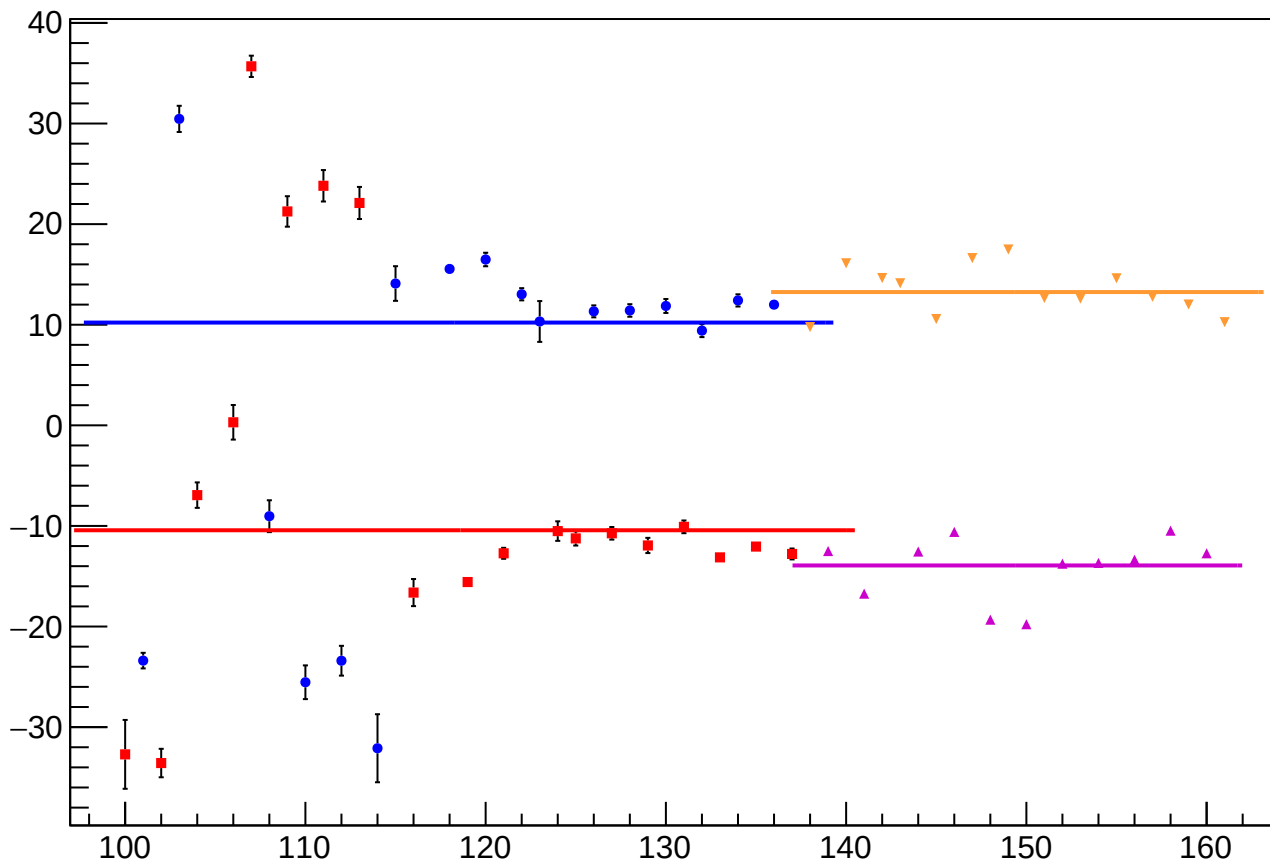
Left In: 9.180 ± 0.108 $\chi^2/\text{NDF}: 1070.8/10$

-6.207 ± 0.096 $\chi^2/\text{NDF}: 3287.2/29$

0.285 ± 0.070 $\chi^2/\text{NDF}: 16176.4/59$

7.358 ± 0.101 $\chi^2/\text{NDF}: 3393.6/29$

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: 13.248 $\pm$ 0.089 χ^2 /NDF: 722.8/12

Right Out: -10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

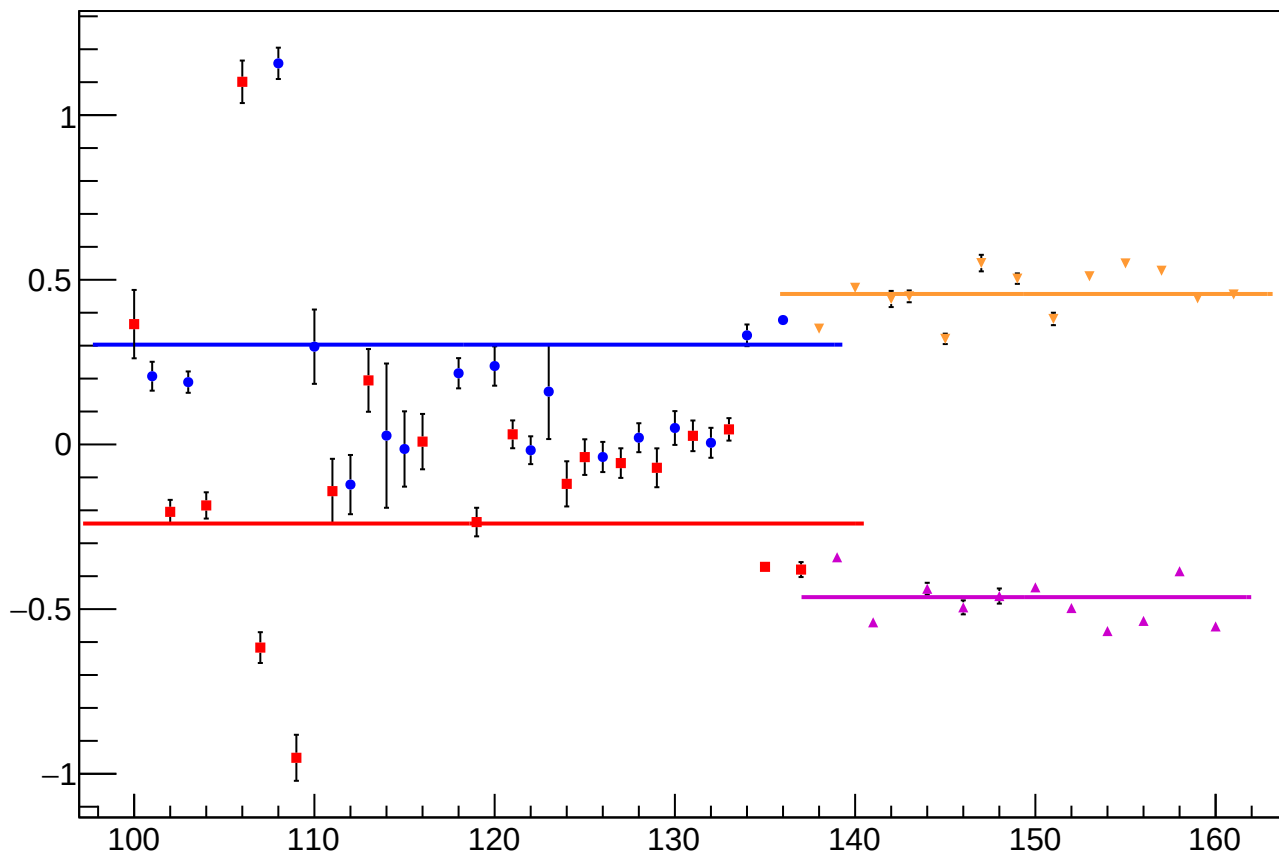
Left In: -13.929 $\pm$ 0.094 χ^2 /NDF: 1047.1/10

12.523 $\pm$ 0.077 χ^2 /NDF: 4695.6/29

0.376 $\pm$ 0.056 χ^2 /NDF: 61883.9/59

-13.028 $\pm$ 0.081 χ^2 /NDF: 5228.9/29

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.457 ± 0.004 χ^2/NDF : 297.9/12

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.4/18

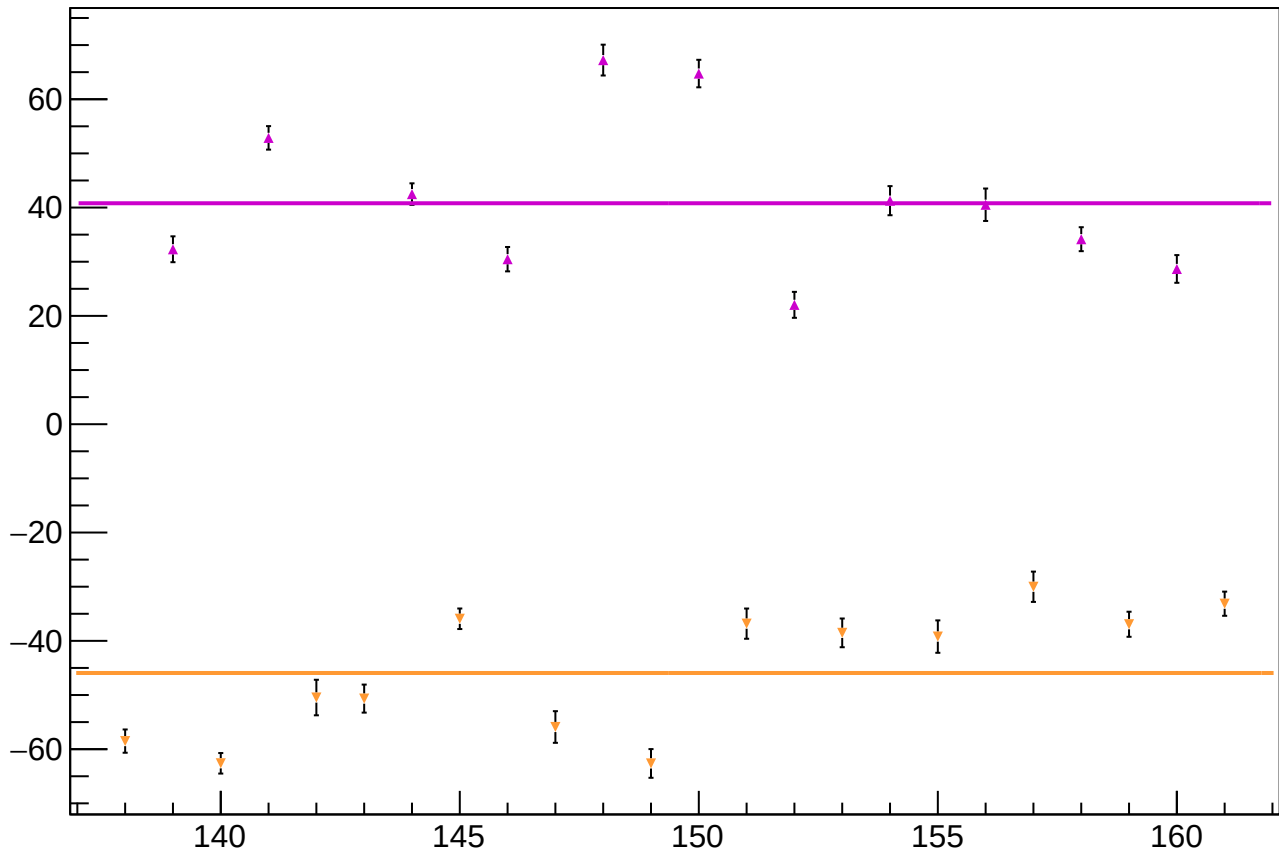
Left In: -0.464 ± 0.004 χ^2/NDF : 393.4/10

0.428 ± 0.004 χ^2/NDF : 1228.5/29

0.016 ± 0.003 χ^2/NDF : 30404.2/59

-0.422 ± 0.004 χ^2/NDF : 1935.7/29

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -45.932+/-0.679 χ^2/NDF : 299.9/12

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

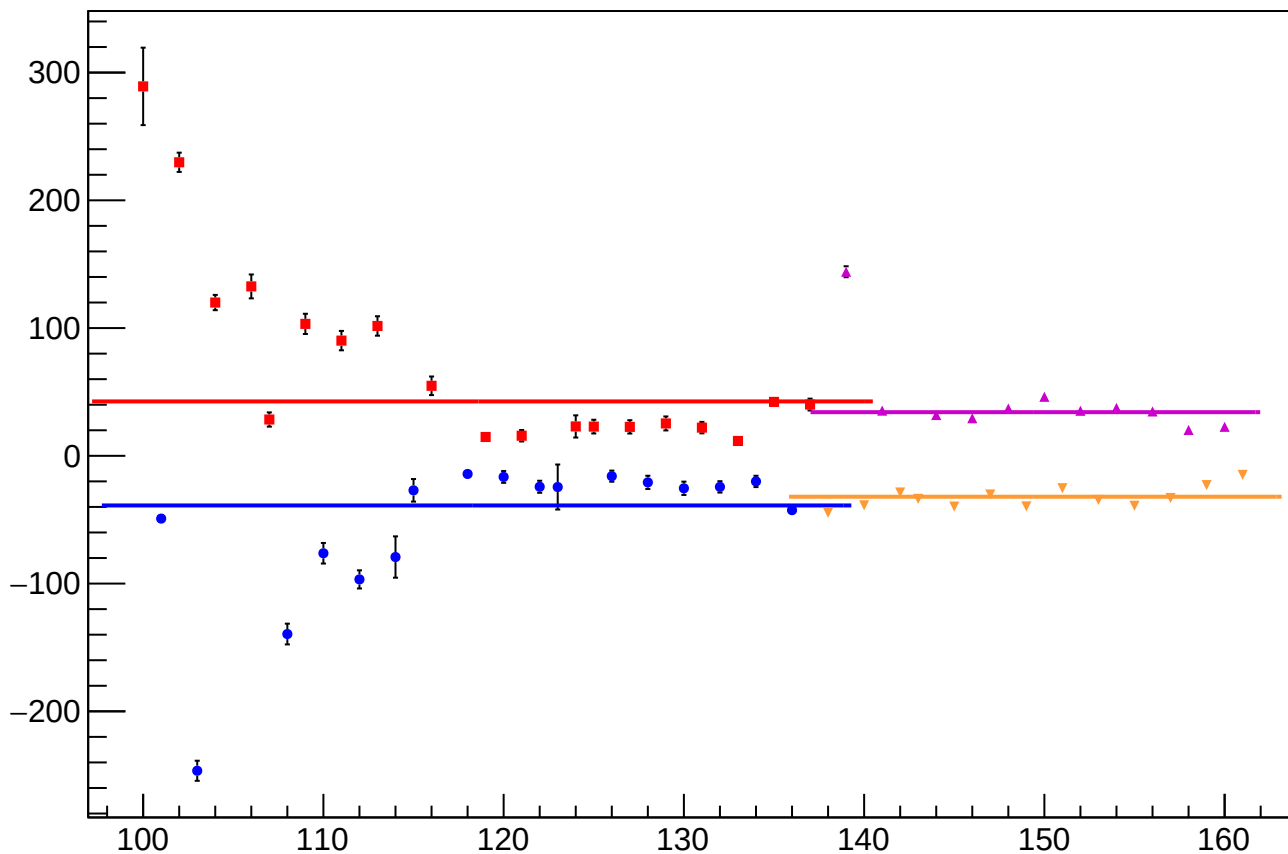
Left In: 40.795+/-0.726 χ^2/NDF : 333.3/10

-45.932+/-0.679 χ^2/NDF : 299.9/12

-5.489+/-0.496 χ^2/NDF : 8252.0/23

40.795+/-0.726 χ^2/NDF : 333.3/10

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: -32.008 ± 0.474 $\chi^2/\text{NDF}: 287.2/12$

Right Out: 42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

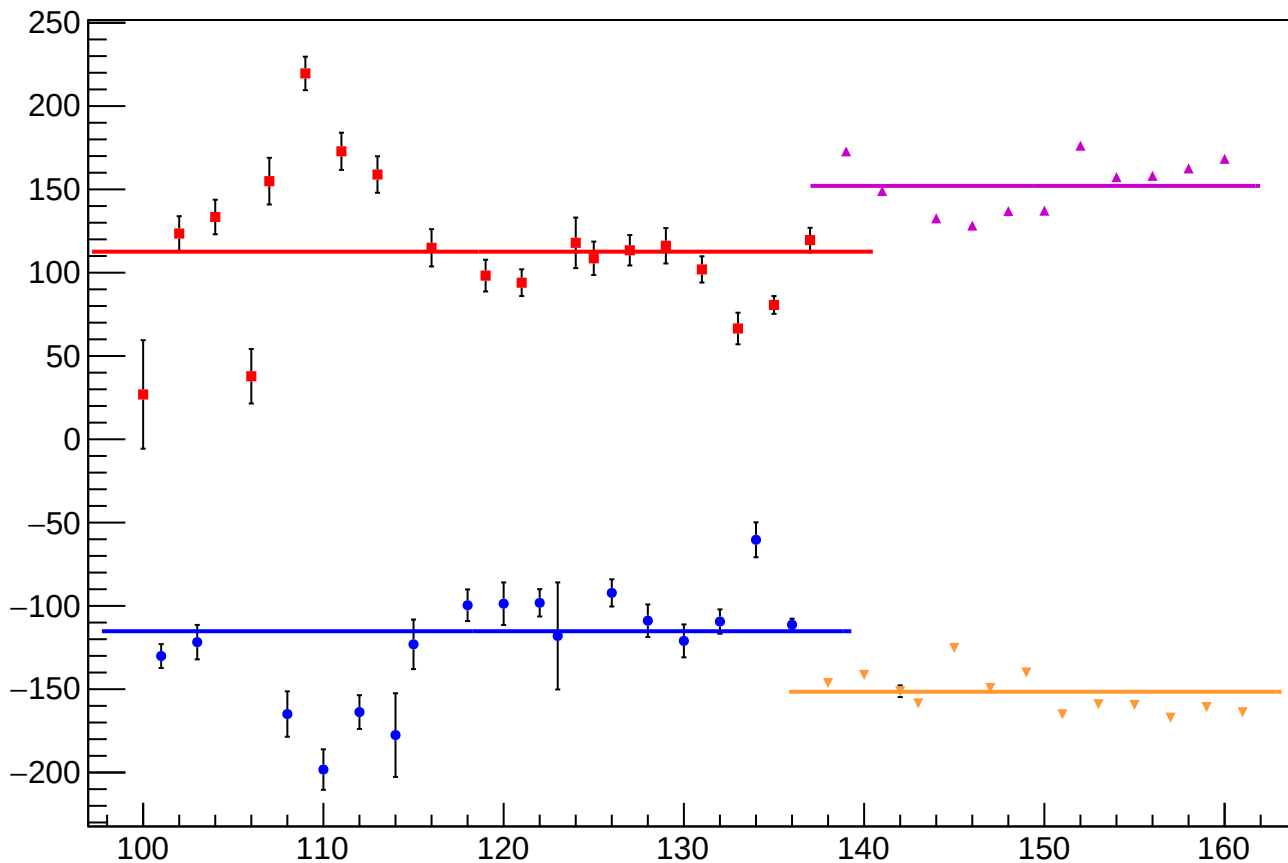
Left In: 34.174 ± 0.502 $\chi^2/\text{NDF}: 861.1/10$

-33.005 ± 0.438 $\chi^2/\text{NDF}: 1439.4/29$

-0.684 ± 0.318 $\chi^2/\text{NDF}: 15187.3/59$

35.408 ± 0.463 $\chi^2/\text{NDF}: 2248.0/29$

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: -151.551 ± 0.673 $\chi^2/\text{NDF}: 360.4/12$

Right Out: 112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

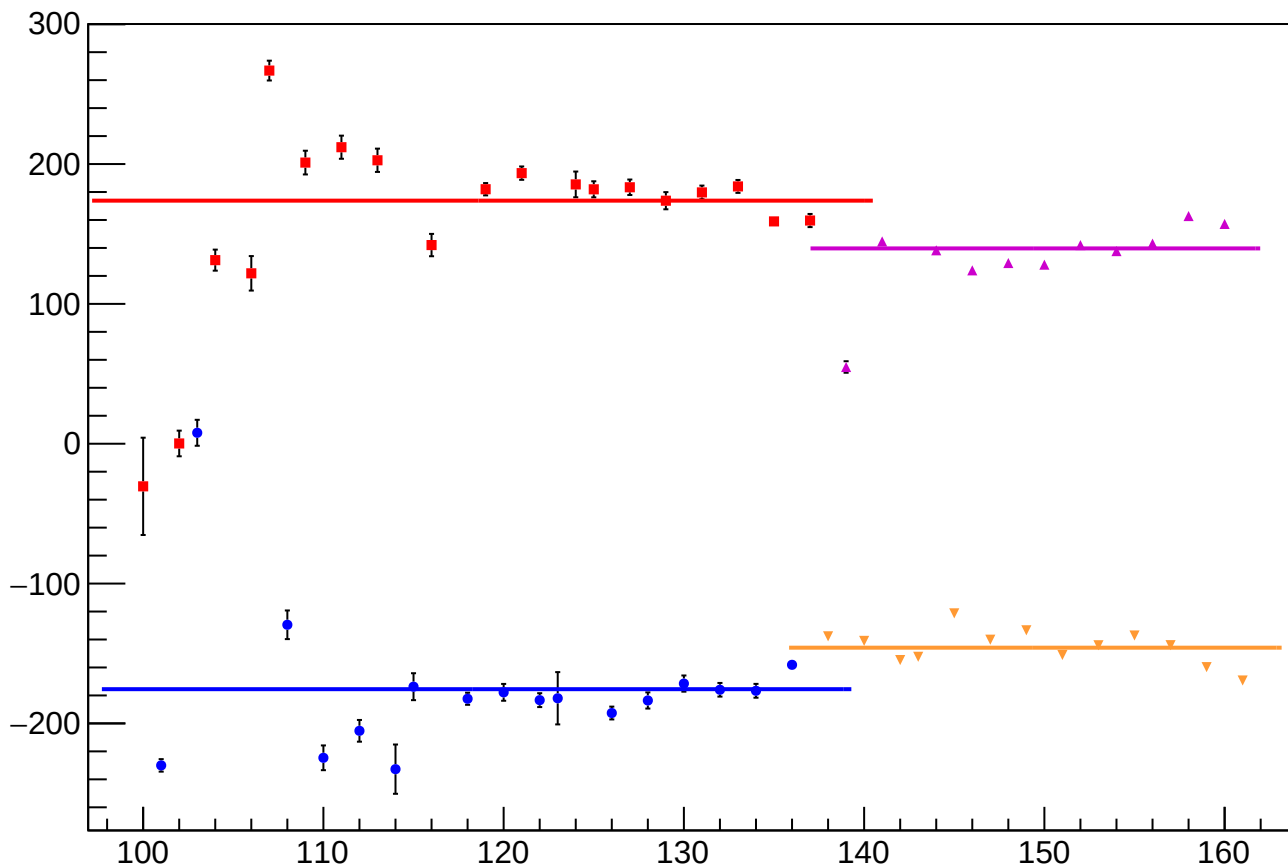
Left In: 152.095 ± 0.709 $\chi^2/\text{NDF}: 535.8/10$

-148.107 ± 0.641 $\chi^2/\text{NDF}: 777.3/29$

-7.685 ± 0.465 $\chi^2/\text{NDF}: 103320.5/59$

148.405 ± 0.675 $\chi^2/\text{NDF}: 1097.8/29$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521+/-1.277 χ^2 /NDF: 692.3/16

Left Out: -145.846+/-0.559 χ^2 /NDF: 565.6/12

Right Out: 173.830+/-1.357 χ^2 /NDF: 737.9/18

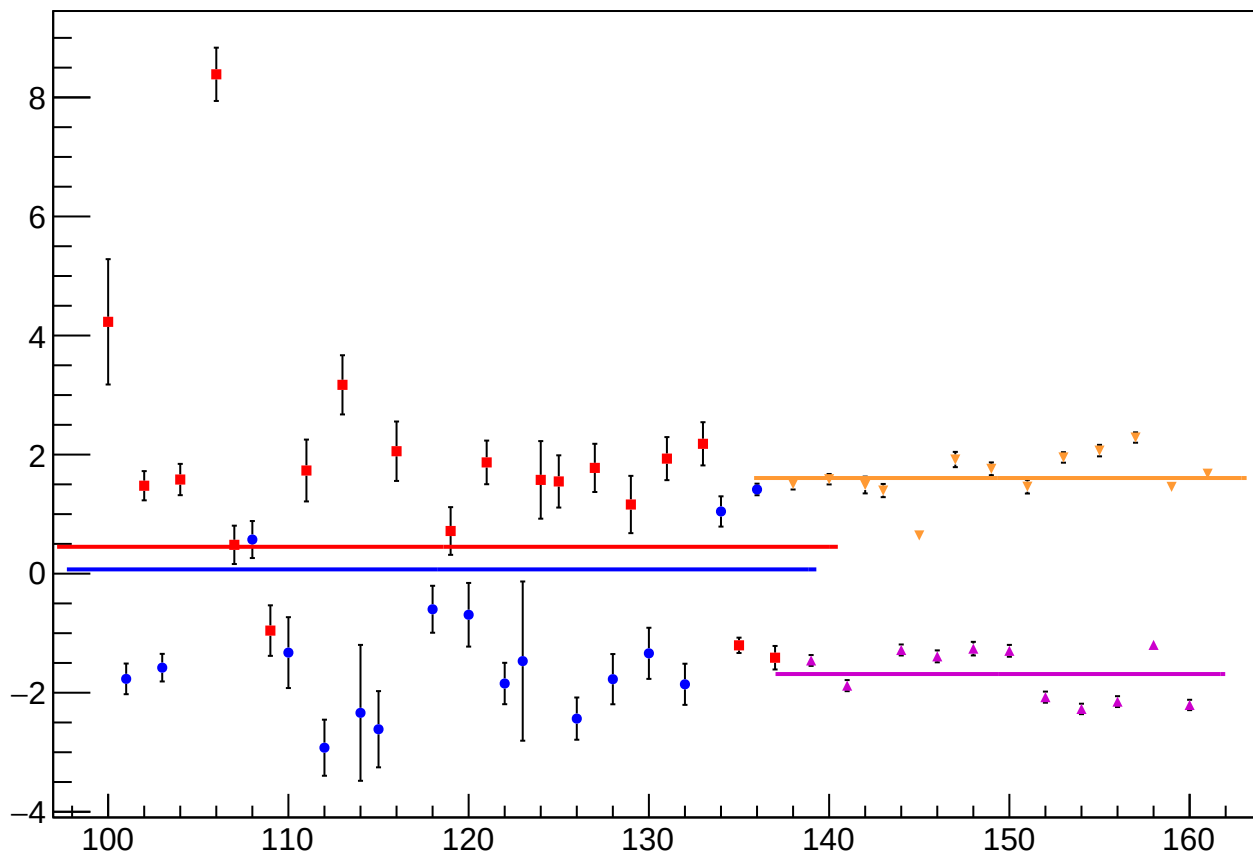
Left In: 139.666+/-0.591 χ^2 /NDF: 878.8/10

-150.615+/-0.512 χ^2 /NDF: 1711.1/29

-11.160+/-0.372 χ^2 /NDF: 161191.5/59

145.119+/-0.542 χ^2 /NDF: 2149.7/29

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 $\pm$ 0.067 χ^2 /NDF: 525.2/16

Left Out: 1.606 $\pm$ 0.026 χ^2 /NDF: 267.8/12

Right Out: 0.451 $\pm$ 0.071 χ^2 /NDF: 751.3/18

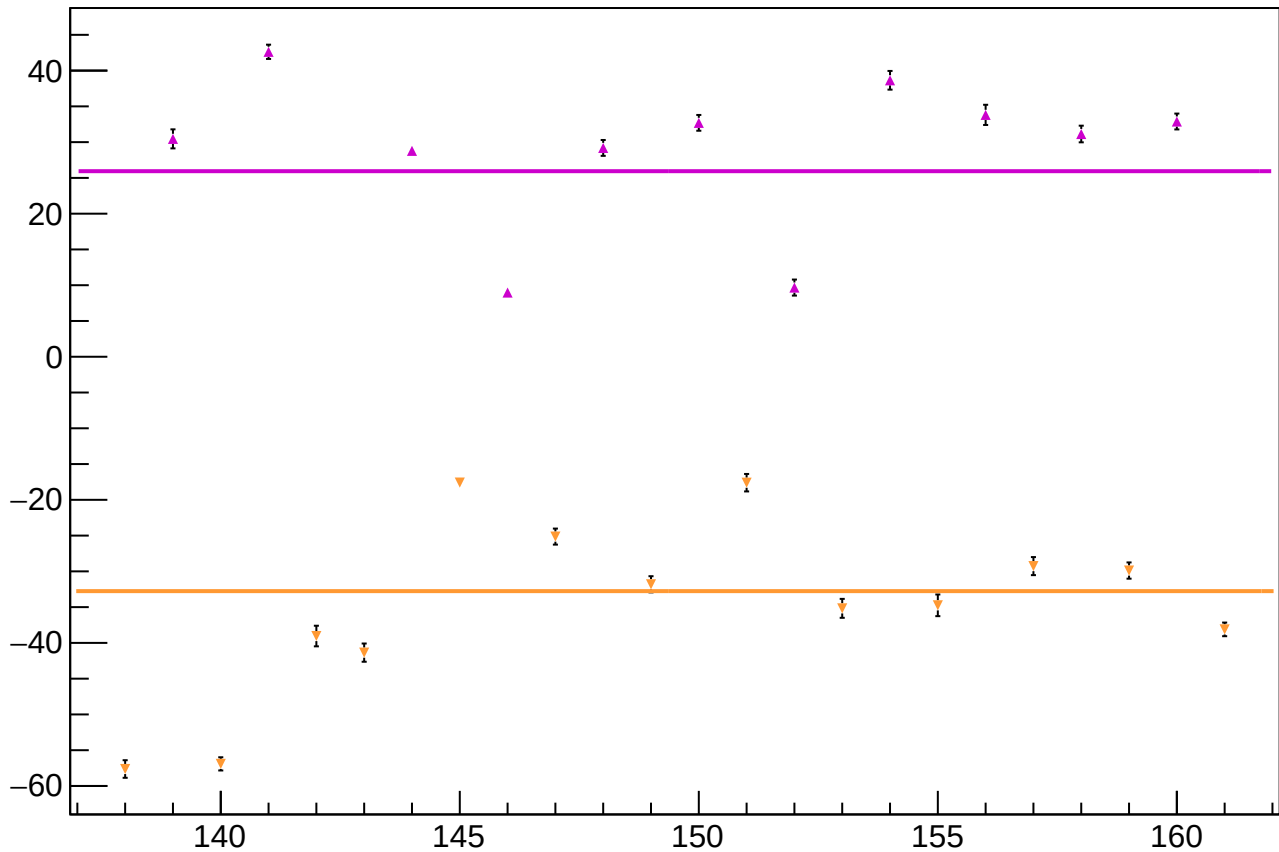
Left In: -1.686 $\pm$ 0.028 χ^2 /NDF: 235.9/10

1.404 $\pm$ 0.024 χ^2 /NDF: 1246.4/29

0.072 $\pm$ 0.018 χ^2 /NDF: 9297.4/59

-1.408 $\pm$ 0.026 χ^2 /NDF: 1768.2/29

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.764 $\pm$ 0.297 χ^2/NDF : 2014.9/12

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

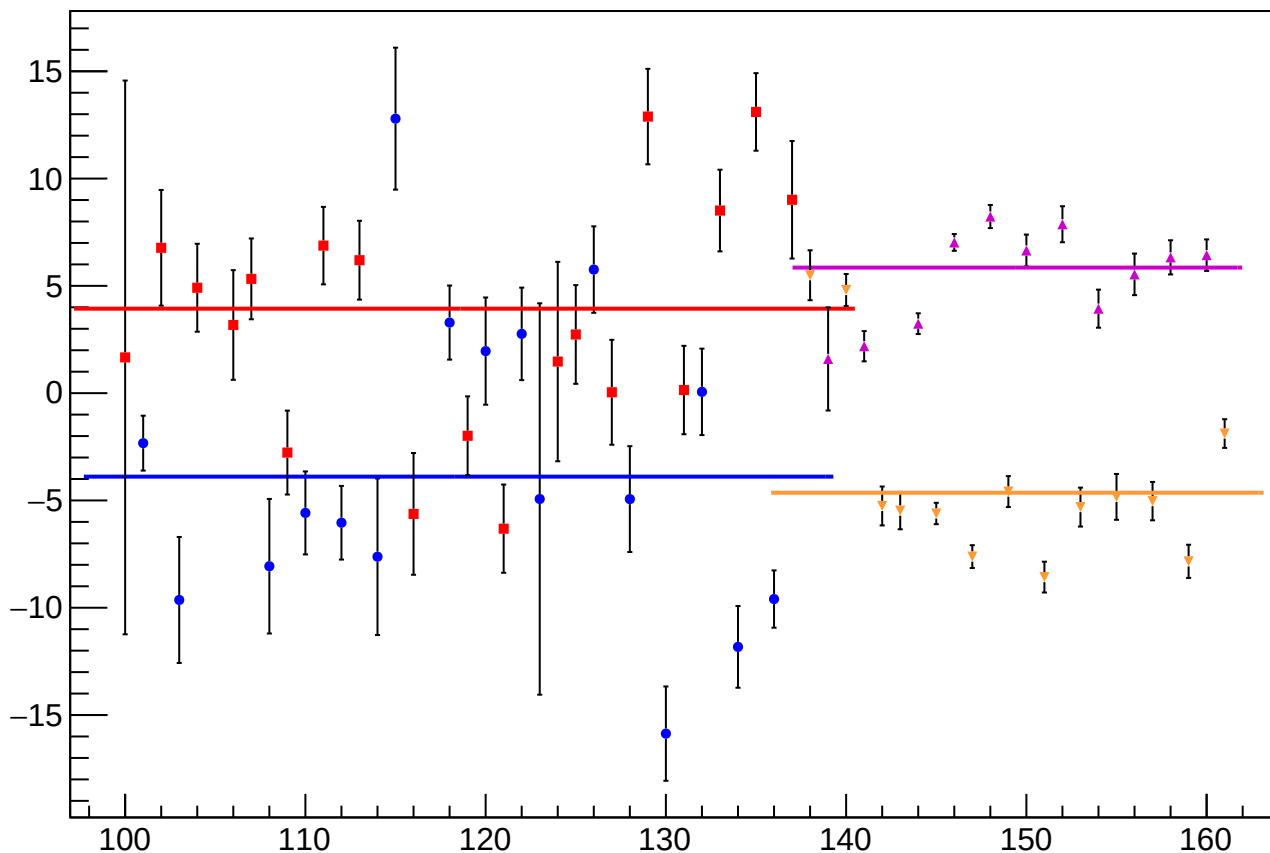
Left In: 25.939 $\pm$ 0.298 χ^2/NDF : 1456.0/10

-32.764 $\pm$ 0.297 χ^2/NDF : 2014.9/12

-3.494 $\pm$ 0.210 χ^2/NDF : 22928.1/23

25.939 $\pm$ 0.298 χ^2/NDF : 1456.0/10

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -4.641 ± 0.205 χ^2/NDF : 338.0/12

Right Out: 3.937 ± 0.507 χ^2/NDF : 122.2/18

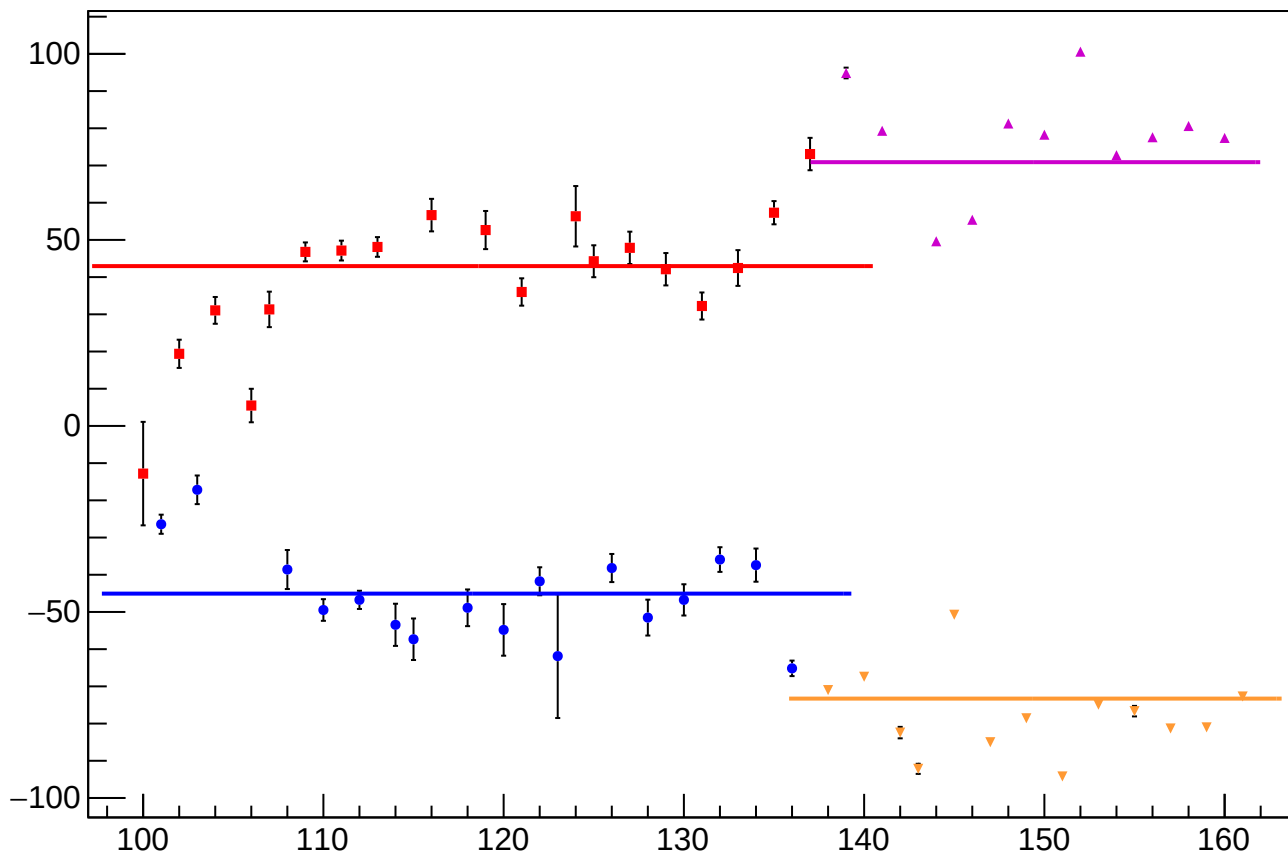
Left In: 5.851 ± 0.198 χ^2/NDF : 100.5/10

-4.532 ± 0.190 χ^2/NDF : 500.4/29

0.672 ± 0.132 χ^2/NDF : 2199.9/59

5.597 ± 0.185 χ^2/NDF : 235.0/29

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -73.287 ± 0.296 χ^2/NDF : 2029.4/12

Right Out: 42.959 ± 0.878 χ^2/NDF : 248.3/18

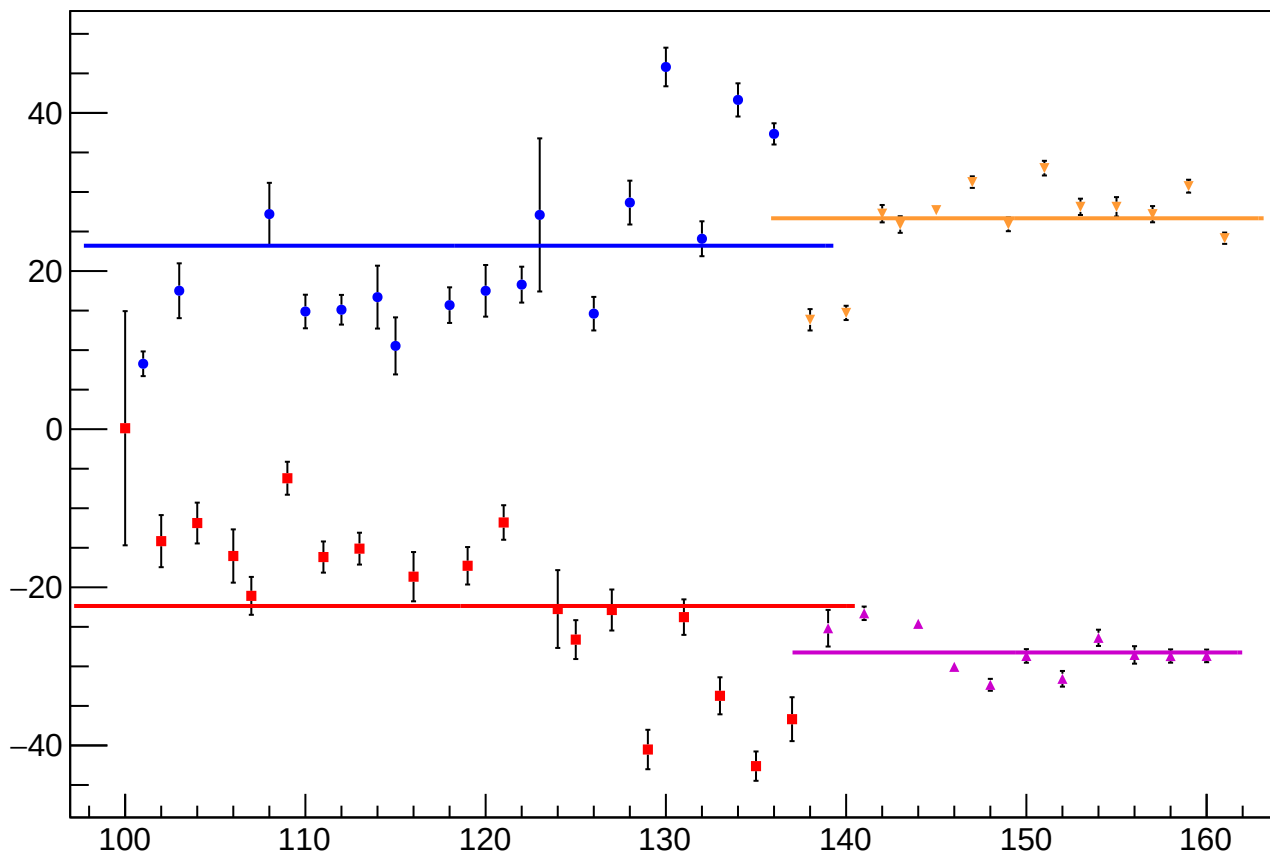
Left In: 70.895 ± 0.292 χ^2/NDF : 2898.2/10

-70.445 ± 0.280 χ^2/NDF : 3176.7/29

-0.371 ± 0.197 χ^2/NDF : 130761.4/59

68.111 ± 0.277 χ^2/NDF : 4058.3/29

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 26.674 $\pm$ 0.243 χ^2 /NDF: 397.2/12

Right Out: -22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

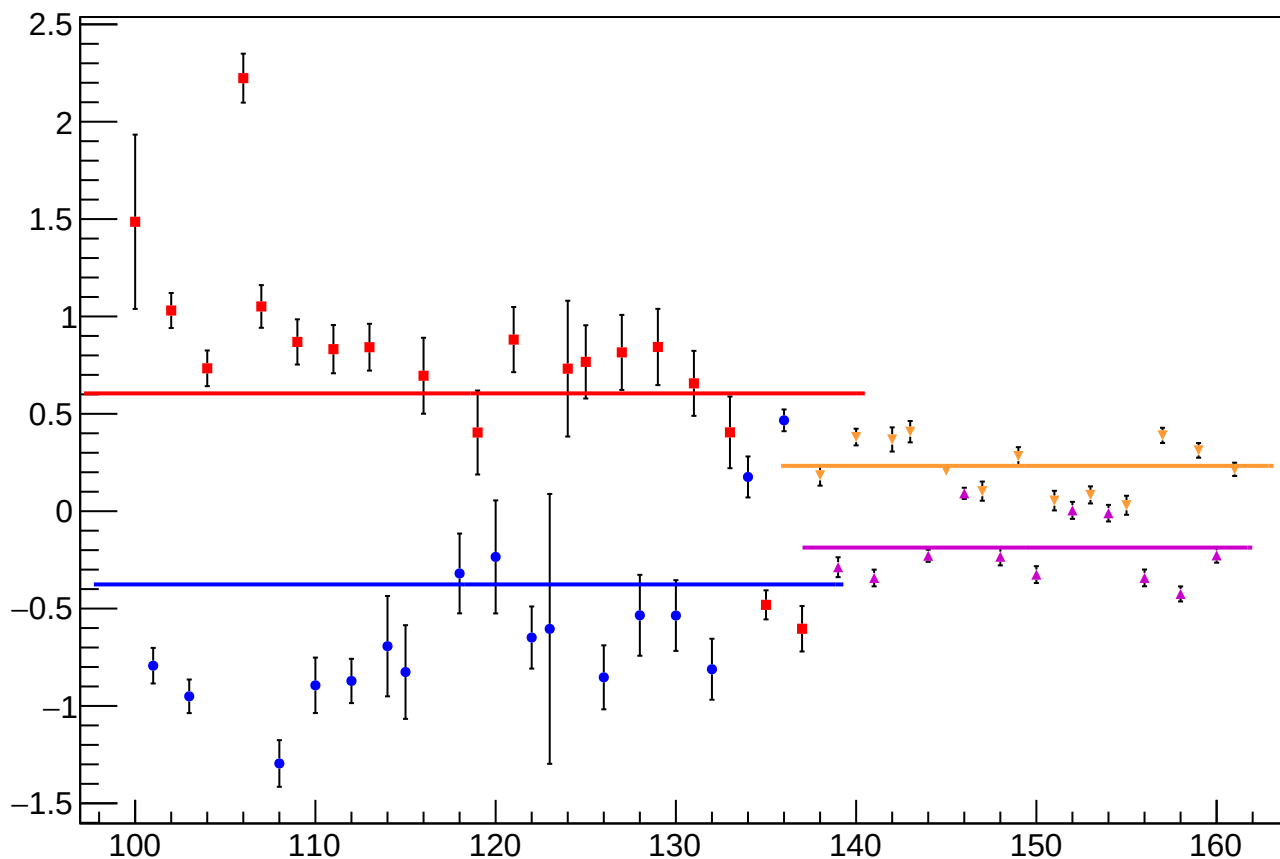
Left In: -28.241 $\pm$ 0.239 χ^2 /NDF: 133.7/10

26.121 $\pm$ 0.223 χ^2 /NDF: 886.8/29

-0.977 $\pm$ 0.157 χ^2 /NDF: 30569.6/59

-27.371 $\pm$ 0.220 χ^2 /NDF: 590.5/29

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.233 ± 0.012 $\chi^2/\text{NDF}: 98.9/12$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

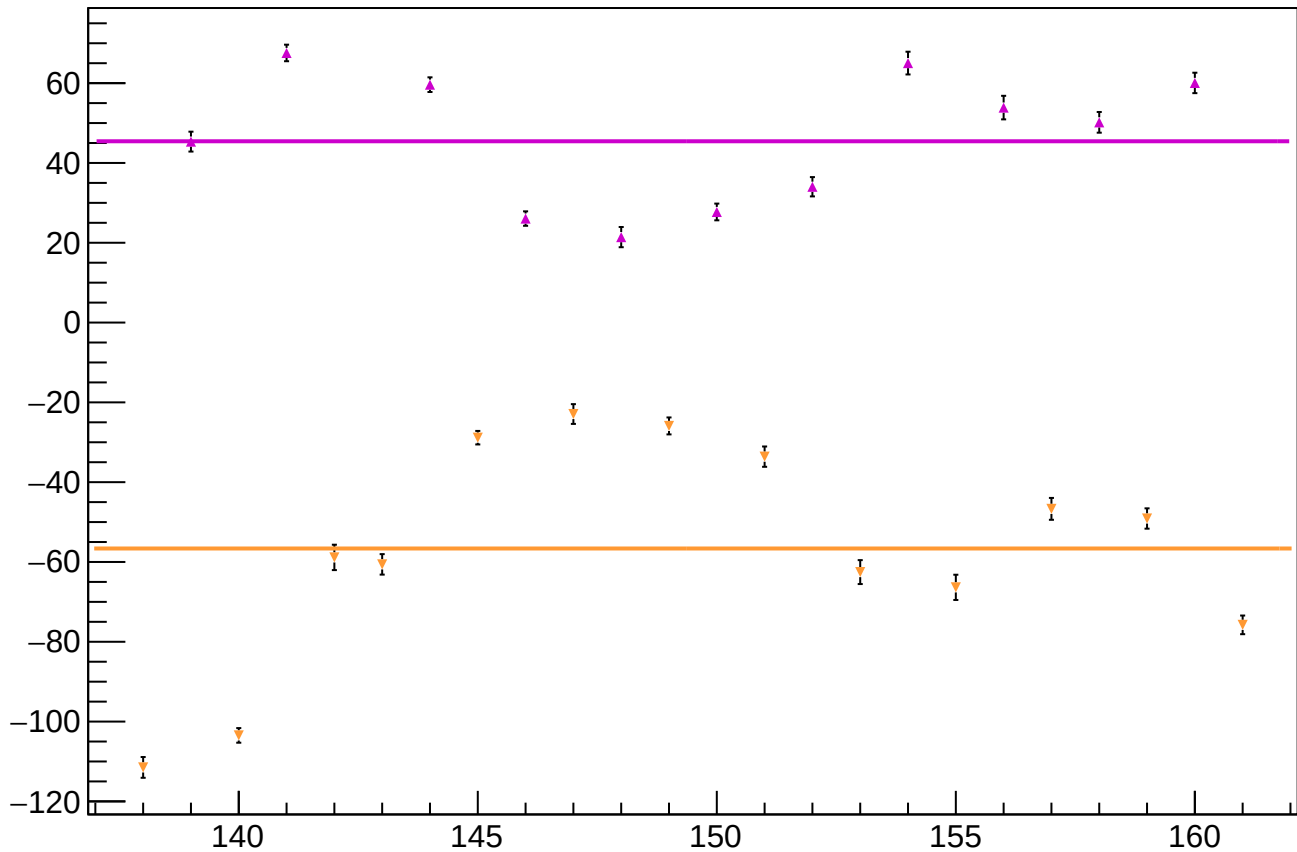
Left In: -0.187 ± 0.012 $\chi^2/\text{NDF}: 213.3/10$

0.154 ± 0.011 $\chi^2/\text{NDF}: 891.9/29$

0.038 ± 0.008 $\chi^2/\text{NDF}: 2487.2/59$

-0.082 ± 0.011 $\chi^2/\text{NDF}: 1360.0/29$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -56.622 $\pm$ 0.665 χ^2 /NDF:1946.4/12

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

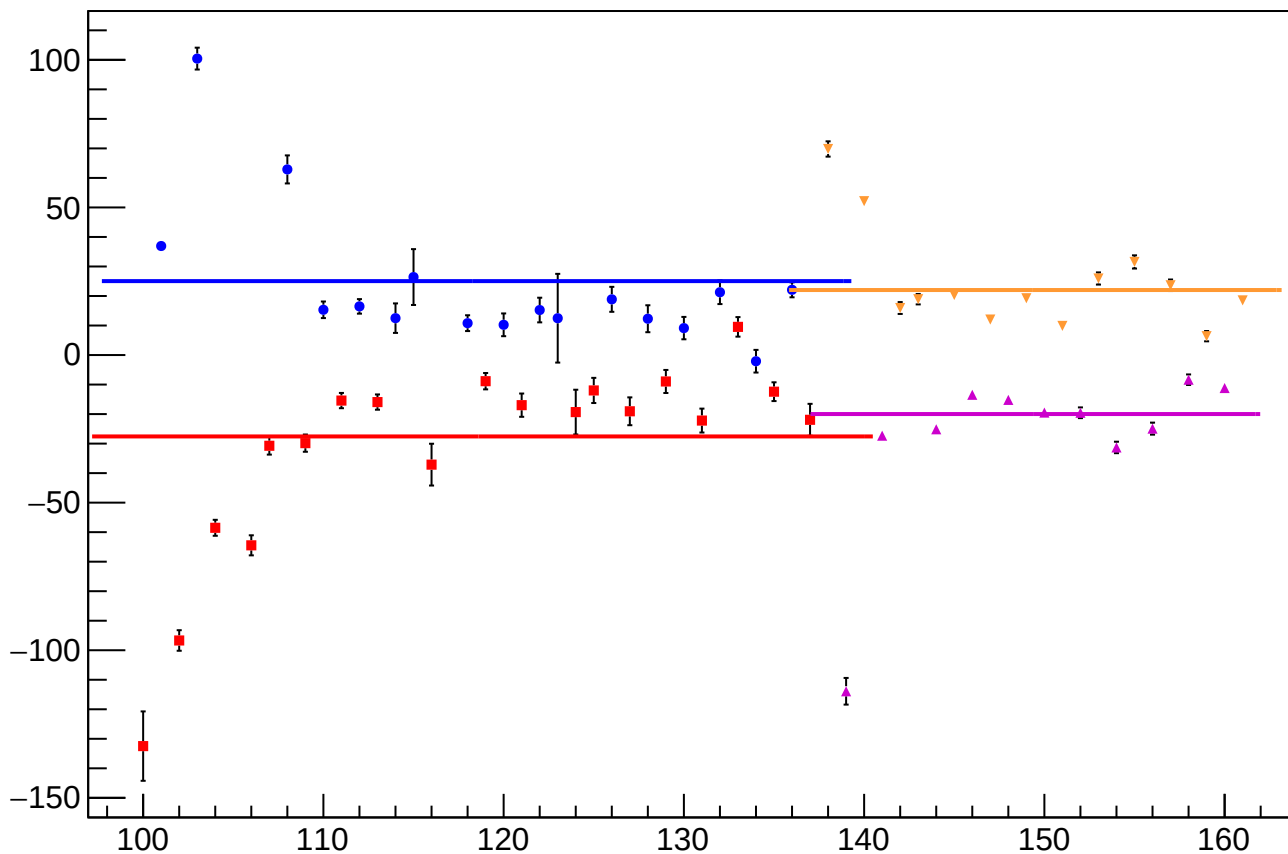
Left In: 45.434 $\pm$ 0.692 χ^2 /NDF:563.0/10

-56.622 $\pm$ 0.665 χ^2 /NDF: 1946.4/12

-7.655 $\pm$ 0.479 χ^2 /NDF: 13823.6/23

45.434 $\pm$ 0.692 χ^2 /NDF: 563.0/10

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 22.023 $\pm$ 0.458 χ^2 /NDF:1003.7/12

Right Out: -27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

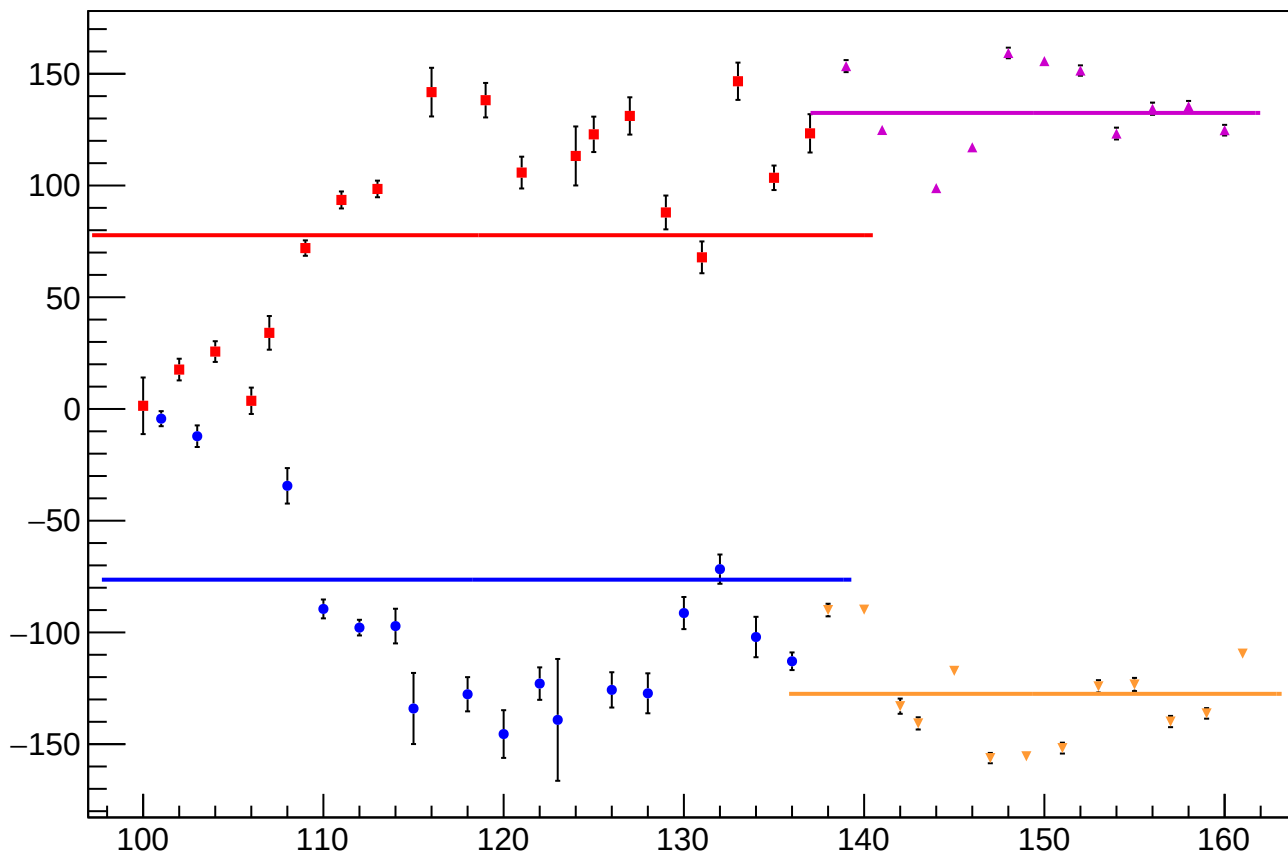
Left In: -19.987 $\pm$ 0.474 χ^2 /NDF:628.8/10

22.761 $\pm$ 0.398 χ^2 /NDF: 1700.8/29

1.002 $\pm$ 0.285 χ^2 /NDF: 9530.7/59

-21.921 $\pm$ 0.409 χ^2 /NDF: 1706.9/29

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -127.483 ± 0.658 χ^2/NDF : 1166.3/12

Right Out: 77.761 ± 1.353 χ^2/NDF : 872.7/18

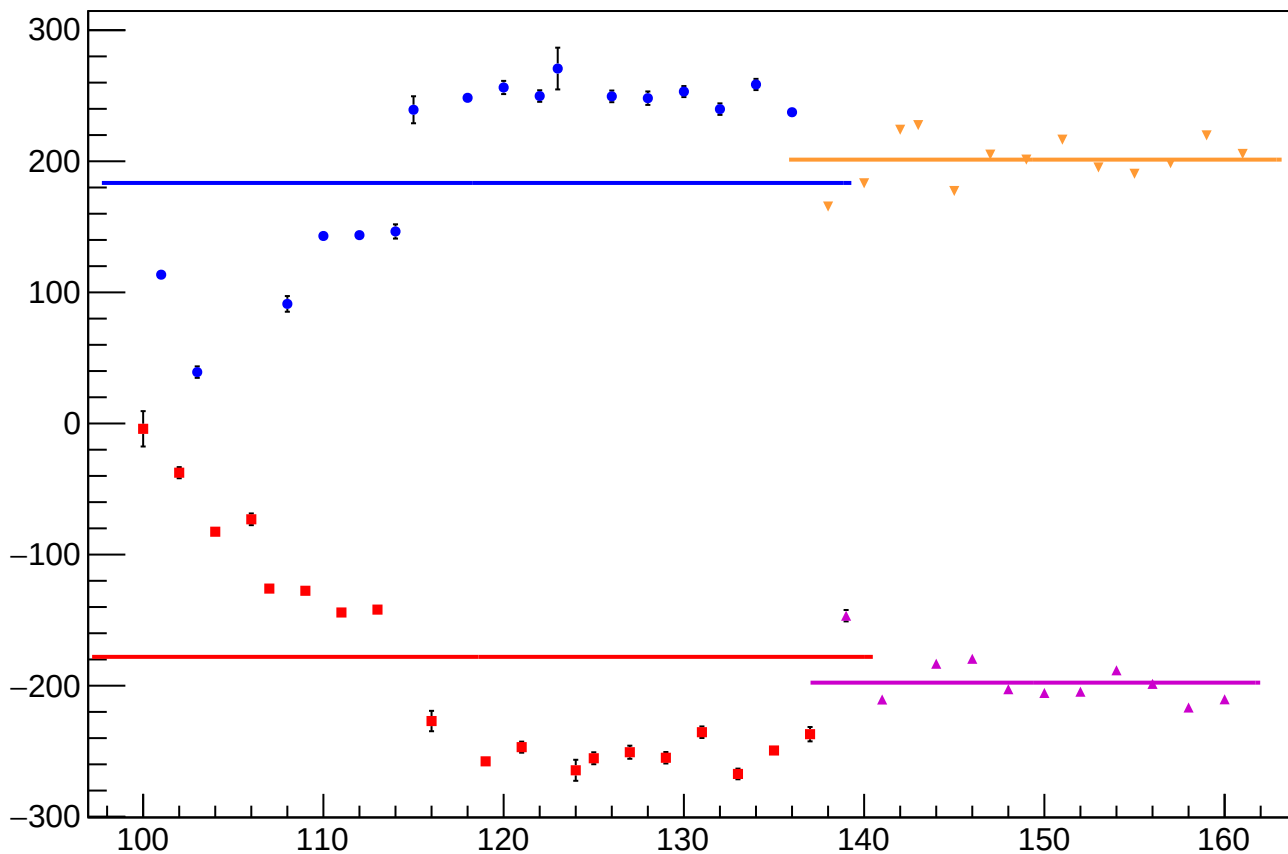
Left In: 132.493 ± 0.677 χ^2/NDF : 801.9/10

-118.410 ± 0.597 χ^2/NDF : 3268.5/29

-0.136 ± 0.425 χ^2/NDF : 85935.6/59

121.536 ± 0.605 χ^2/NDF : 2983.7/29

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 201.259 $\pm$ 0.545 χ^2 /NDF: 908.8/12

Right Out: -178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

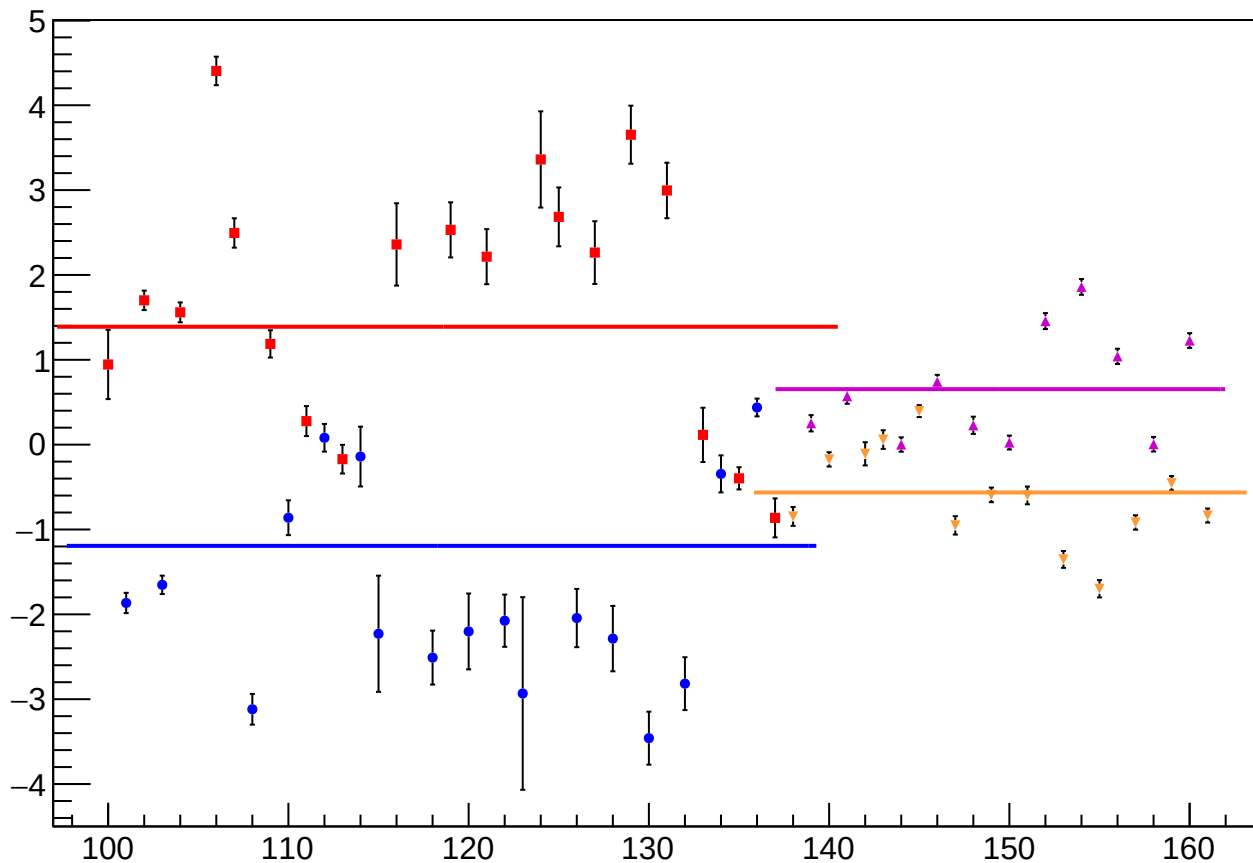
Left In: -197.686 $\pm$ 0.563 χ^2 /NDF: 646.3/10

196.632 $\pm$ 0.469 χ^2 /NDF: 6517.4/29

7.150 $\pm$ 0.336 χ^2 /NDF: 349452.5/59

-192.357 $\pm$ 0.481 χ^2 /NDF: 7322.7/29

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.564 ± 0.026 χ^2/NDF : 486.4/12

Right Out: 1.390 ± 0.046 χ^2/NDF : 920.6/18

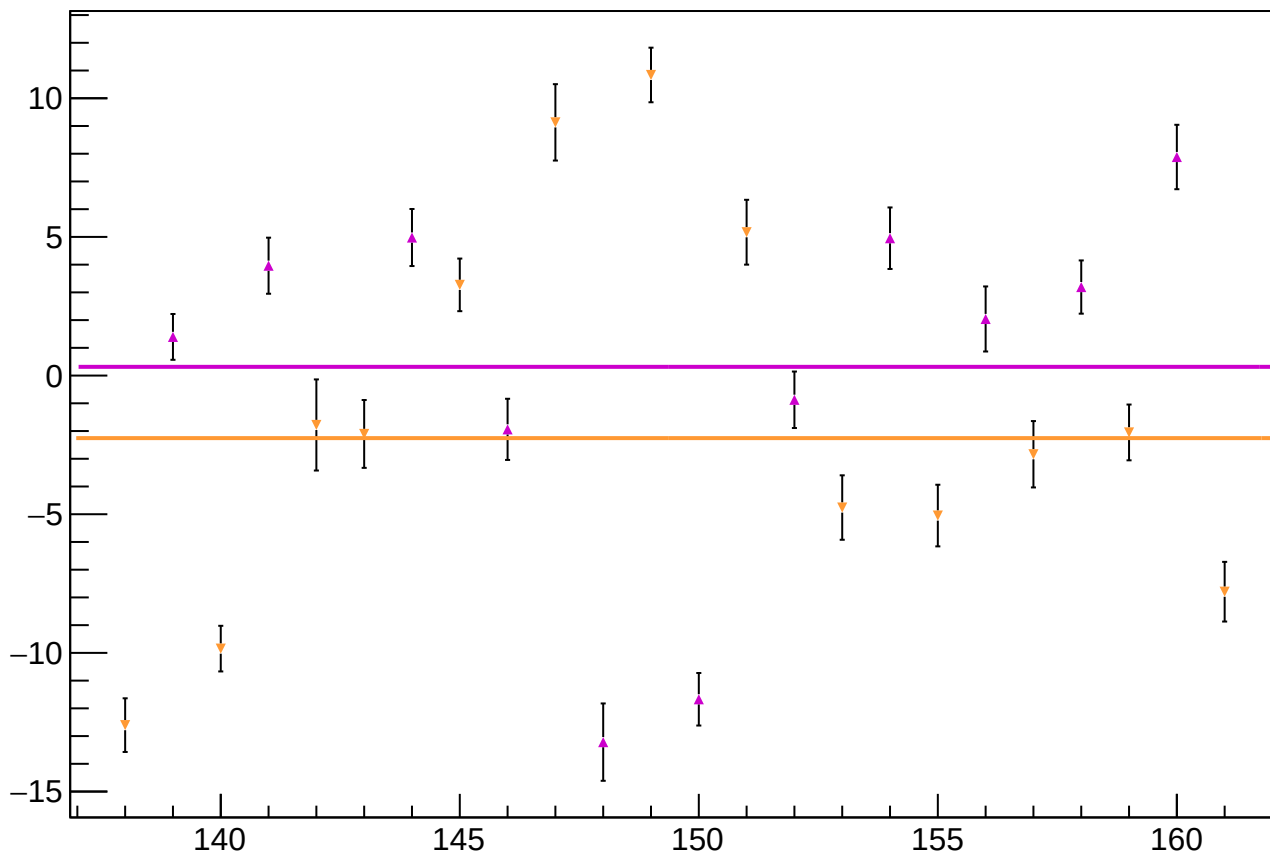
Left In: 0.654 ± 0.027 χ^2/NDF : 514.8/10

-0.705 ± 0.023 χ^2/NDF : 1240.2/29

0.057 ± 0.016 χ^2/NDF : 5131.5/59

0.842 ± 0.023 χ^2/NDF : 1627.3/29

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -2.255+/-0.300 χ^2/NDF : 557.0/12

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

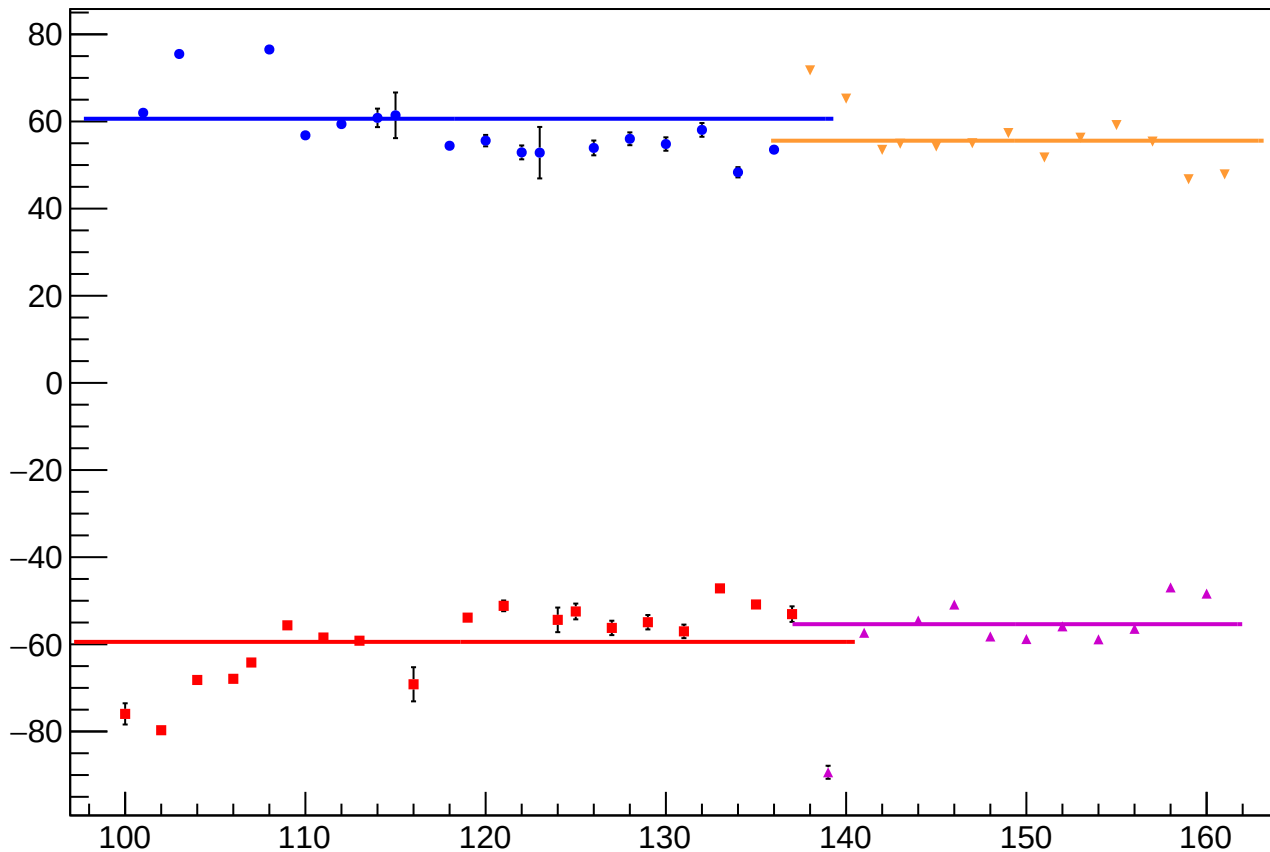
Left In: 0.315+/-0.314 χ^2/NDF : 366.2/10

-2.255+/-0.300 χ^2/NDF : 557.0/12

-1.026+/-0.217 χ^2/NDF : 958.2/23

0.315+/-0.314 χ^2/NDF : 366.2/10

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 ± 0.263 $\chi^2/\text{NDF}: 924.6/16$

Left Out: 55.589 ± 0.213 $\chi^2/\text{NDF}: 773.9/12$

Right Out: -59.438 ± 0.248 $\chi^2/\text{NDF}: 1323.4/18$

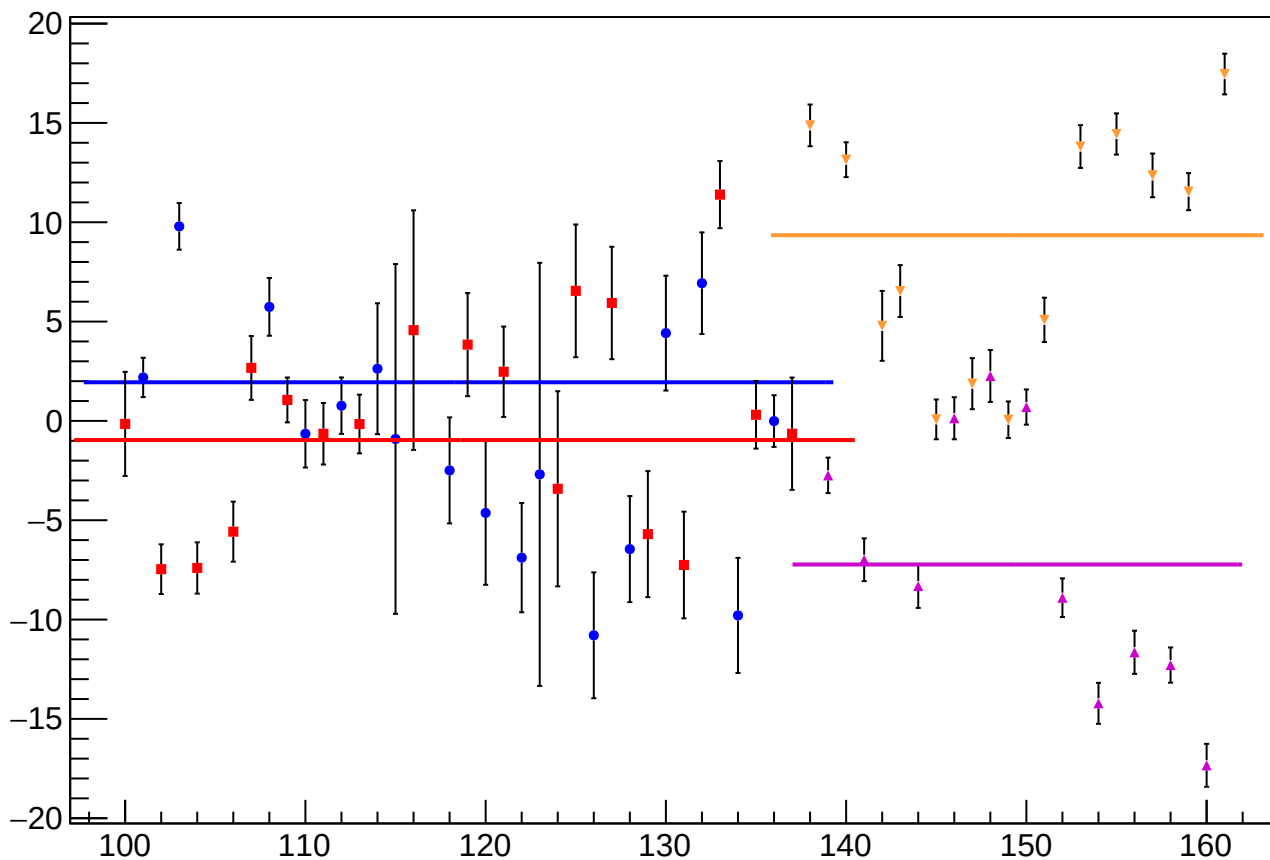
Left In: -55.378 ± 0.226 $\chi^2/\text{NDF}: 875.4/10$

57.580 ± 0.165 $\chi^2/\text{NDF}: 1920.1/29$

0.753 ± 0.118 $\chi^2/\text{NDF}: 242737.8/59$

-57.223 ± 0.167 $\chi^2/\text{NDF}: 2345.2/29$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 $\chi^2/\text{NDF}: 120.6/16$

Left Out: 9.347 ± 0.296 $\chi^2/\text{NDF}: 410.6/12$

Right Out: -0.964 ± 0.424 $\chi^2/\text{NDF}: 149.5/18$

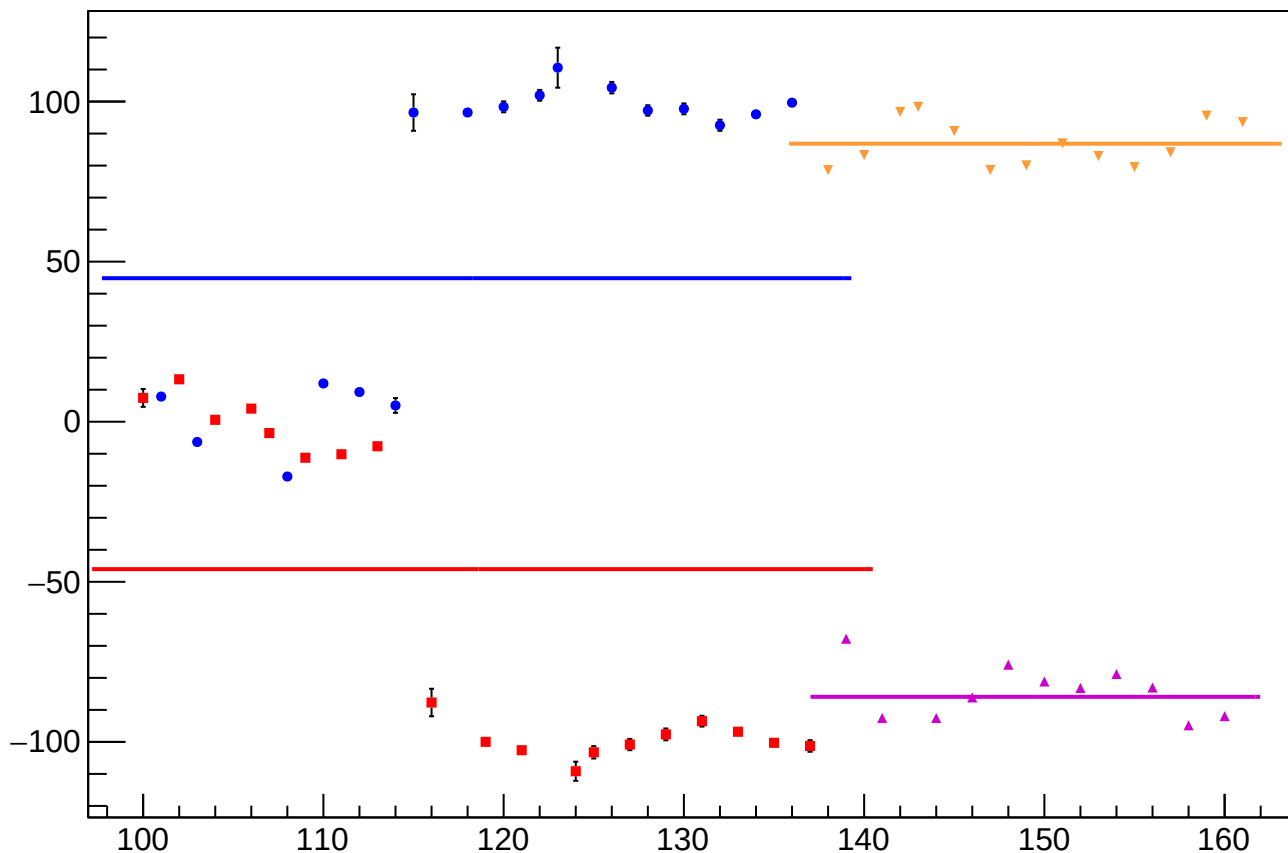
Left In: -7.228 ± 0.306 $\chi^2/\text{NDF}: 392.9/10$

7.172 ± 0.249 $\chi^2/\text{NDF}: 715.0/29$

1.035 ± 0.176 $\chi^2/\text{NDF}: 2616.9/59$

-5.084 ± 0.248 $\chi^2/\text{NDF}: 685.7/29$

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 86.843+/-0.249 χ^2/NDF : 743.5/12

Right Out: -46.040+/-0.289 χ^2/NDF : 28263.4/18

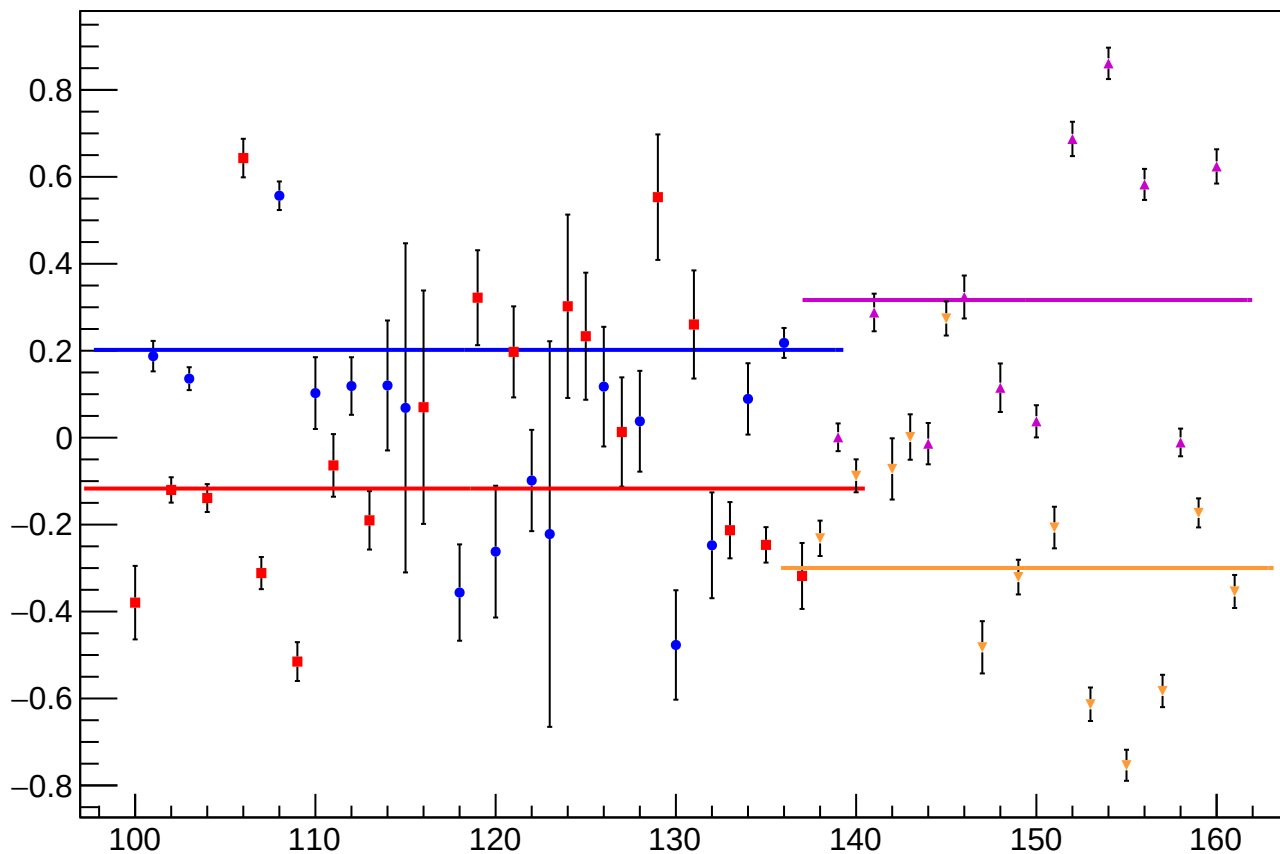
Left In: -85.925+/-0.263 χ^2/NDF : 723.6/10

70.008+/-0.193 χ^2/NDF : 36904.2/29

1.665+/-0.137 χ^2/NDF : 329725.2/59

-67.905+/-0.195 χ^2/NDF : 39394.5/29

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.300 ± 0.011 χ^2/NDF : 606.7/12

Right Out: -0.117 ± 0.013 χ^2/NDF : 499.6/18

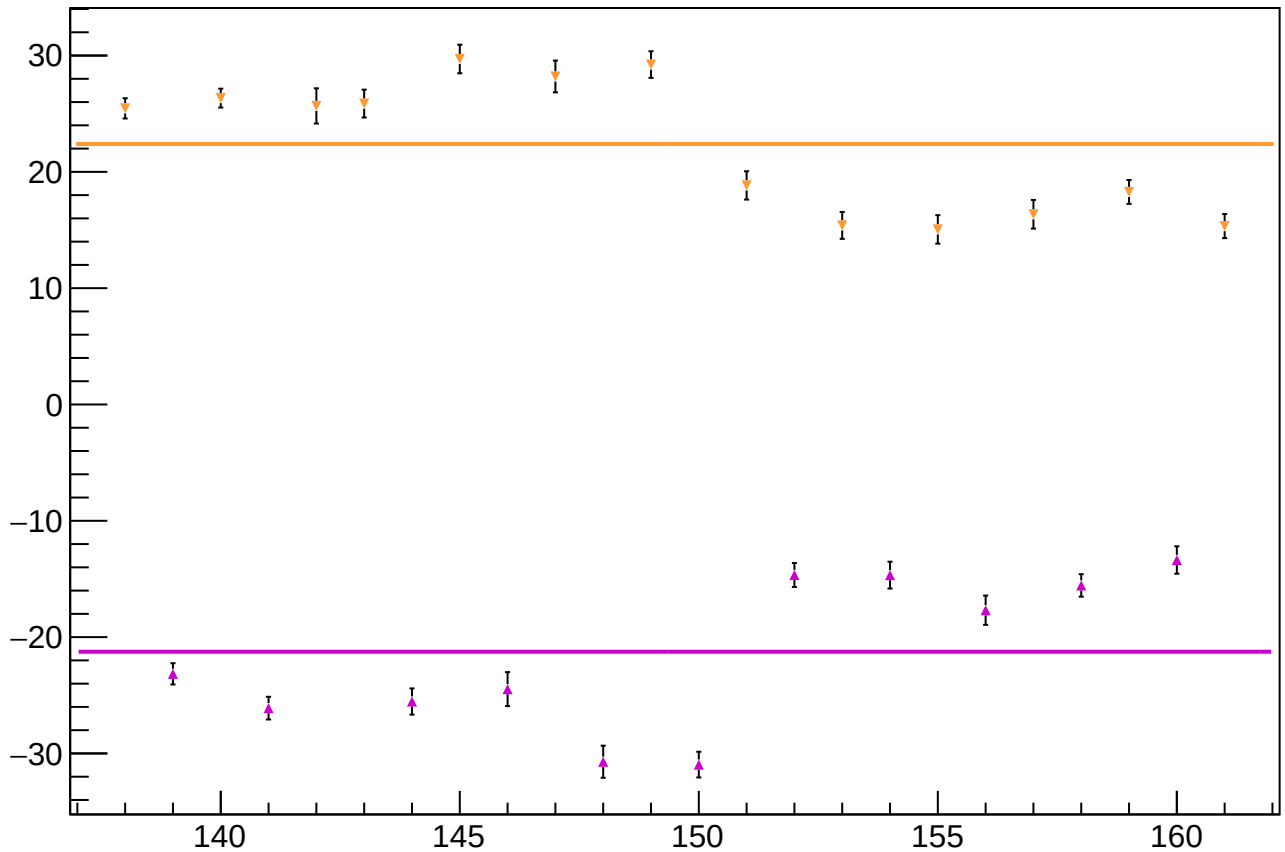
Left In: 0.317 ± 0.012 χ^2/NDF : 754.1/10

-0.099 ± 0.009 χ^2/NDF : 1588.6/29

0.013 ± 0.006 χ^2/NDF : 3770.3/59

0.122 ± 0.009 χ^2/NDF : 1864.7/29

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 22.393+/-0.308 χ^2/NDF : 305.7/12

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

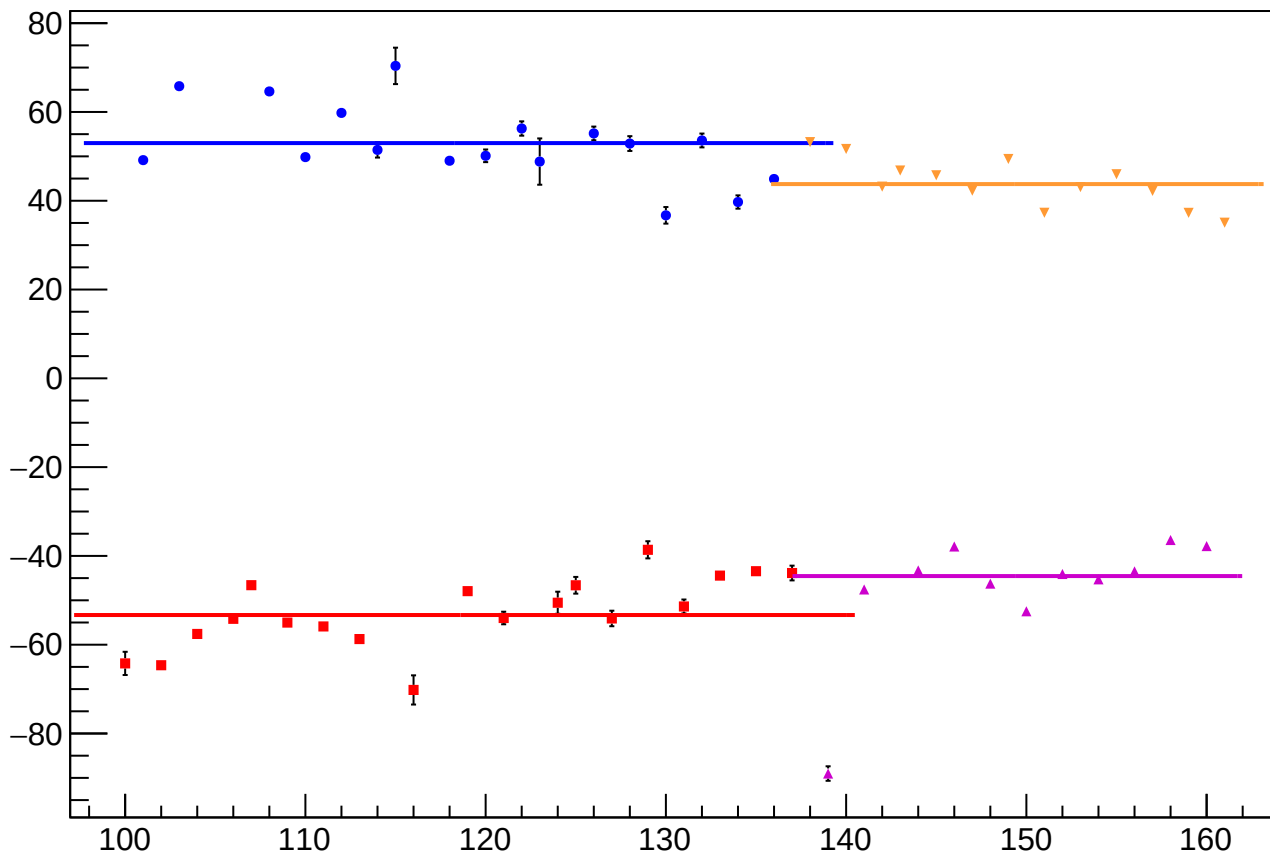
Left In: -21.255+/-0.334 χ^2/NDF : 333.2/10

22.393+/-0.308 χ^2/NDF : 305.7/12

2.358+/-0.226 χ^2/NDF : 9869.3/23

-21.255+/-0.334 χ^2/NDF : 333.2/10

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: 43.755 ± 0.217 $\chi^2/\text{NDF}: 647.9/12$

Right Out: -53.315 ± 0.227 $\chi^2/\text{NDF}: 875.6/18$

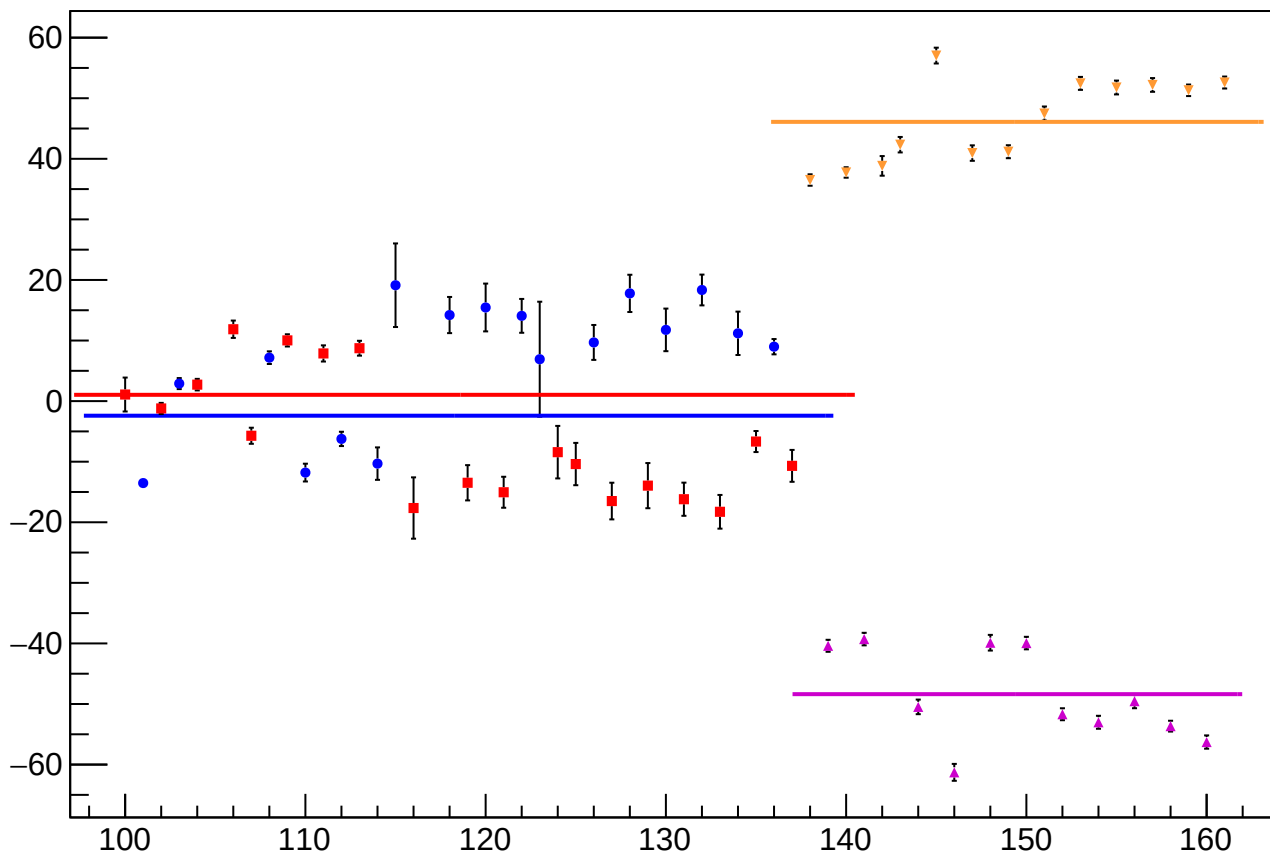
Left In: -44.540 ± 0.238 $\chi^2/\text{NDF}: 1162.0/10$

48.510 ± 0.151 $\chi^2/\text{NDF}: 2776.0/29$

3.636 ± 0.111 $\chi^2/\text{NDF}: 196874.2/59$

-49.137 ± 0.164 $\chi^2/\text{NDF}: 2750.7/29$

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409+/-0.364 χ^2/NDF : 834.6/16

Left Out: 46.099+/-0.304 χ^2/NDF : 496.0/12

Right Out: 1.040+/-0.377 χ^2/NDF : 507.5/18

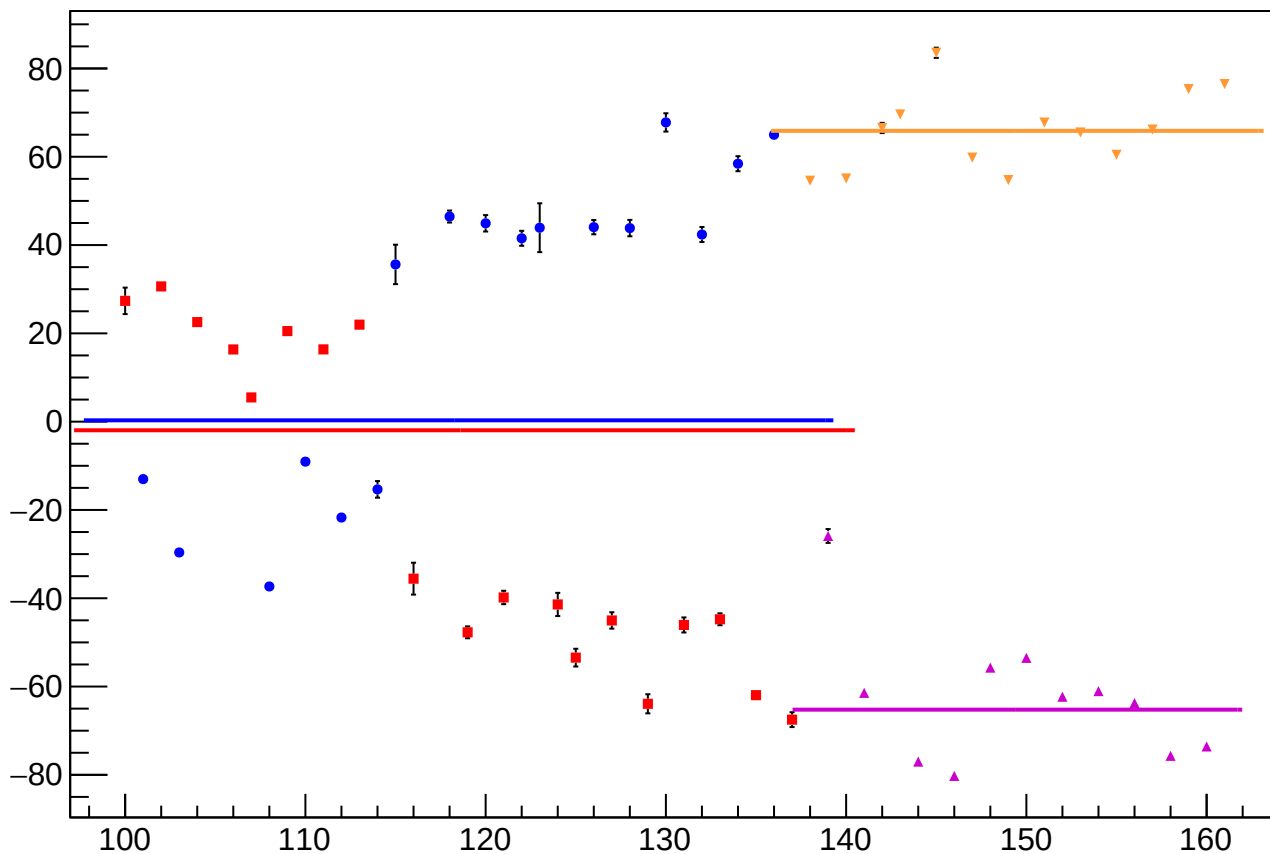
Left In: -48.375+/-0.326 χ^2/NDF : 457.8/10

26.161+/-0.234 χ^2/NDF : 11772.0/29

0.928+/-0.170 χ^2/NDF : 47251.9/59

-27.222+/-0.247 χ^2/NDF : 10788.3/29

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 65.870 ± 0.255 χ^2/NDF : 1133.9/12

Right Out: -1.952 ± 0.267 χ^2/NDF : 15450.6/18

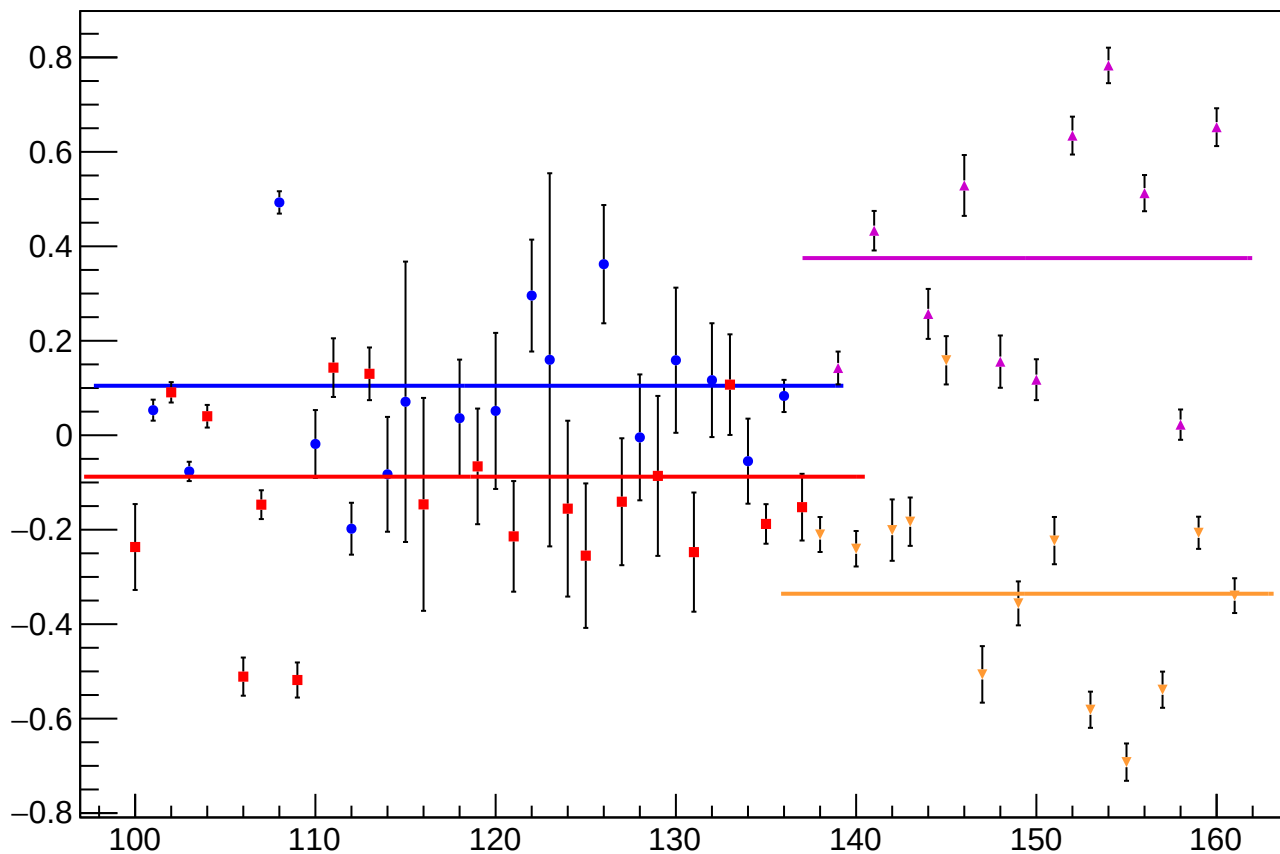
Left In: -65.234 ± 0.277 χ^2/NDF : 1617.2/10

32.079 ± 0.178 χ^2/NDF : 53433.2/29

2.381 ± 0.130 χ^2/NDF : 158257.1/59

-32.373 ± 0.192 χ^2/NDF : 44146.7/29

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.336 ± 0.012 $\chi^2/\text{NDF}: 302.9/12$

Right Out: -0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

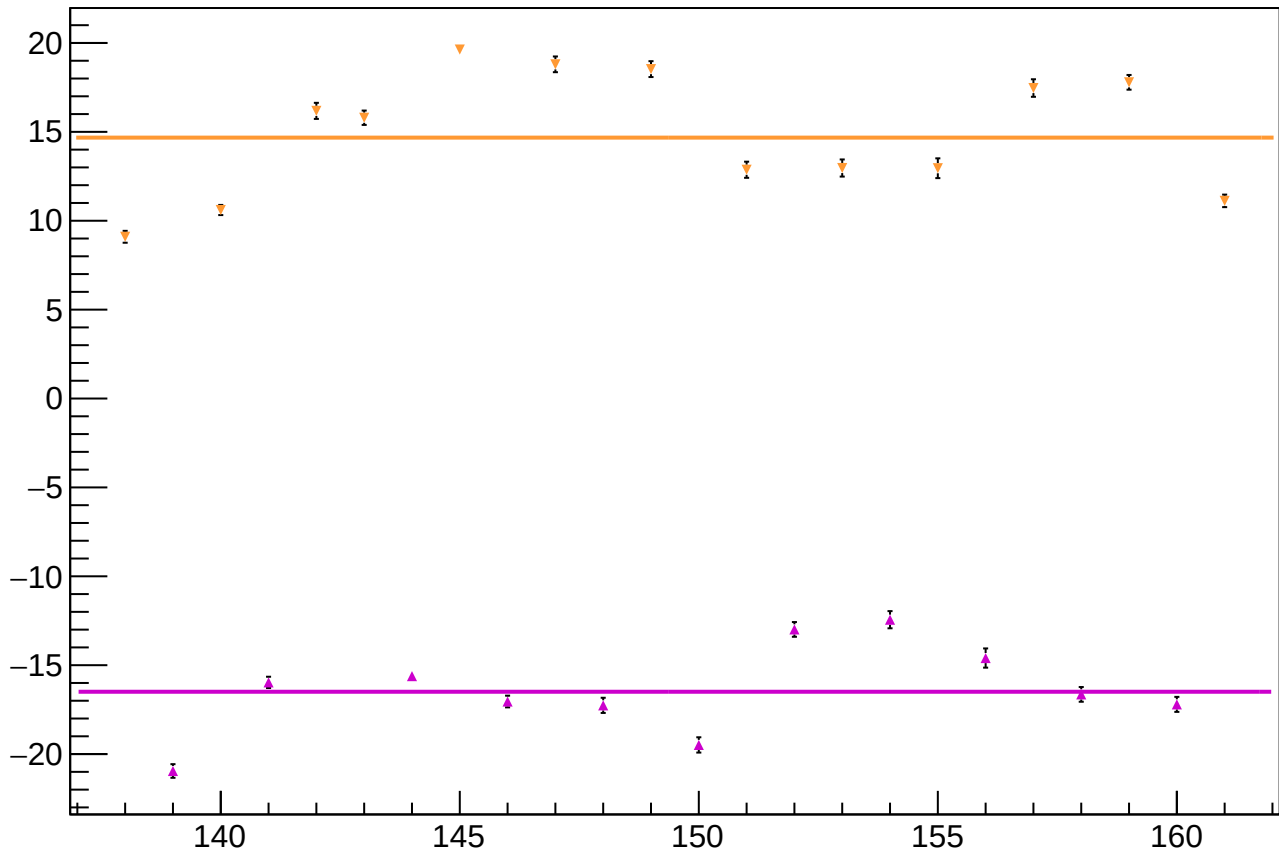
Left In: 0.375 ± 0.012 $\chi^2/\text{NDF}: 449.7/10$

-0.101 ± 0.008 $\chi^2/\text{NDF}: 1446.2/29$

0.005 ± 0.006 $\chi^2/\text{NDF}: 3414.9/59$

0.116 ± 0.008 $\chi^2/\text{NDF}: 1616.7/29$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.676+/-0.108 χ^2/NDF :1216.9/12

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

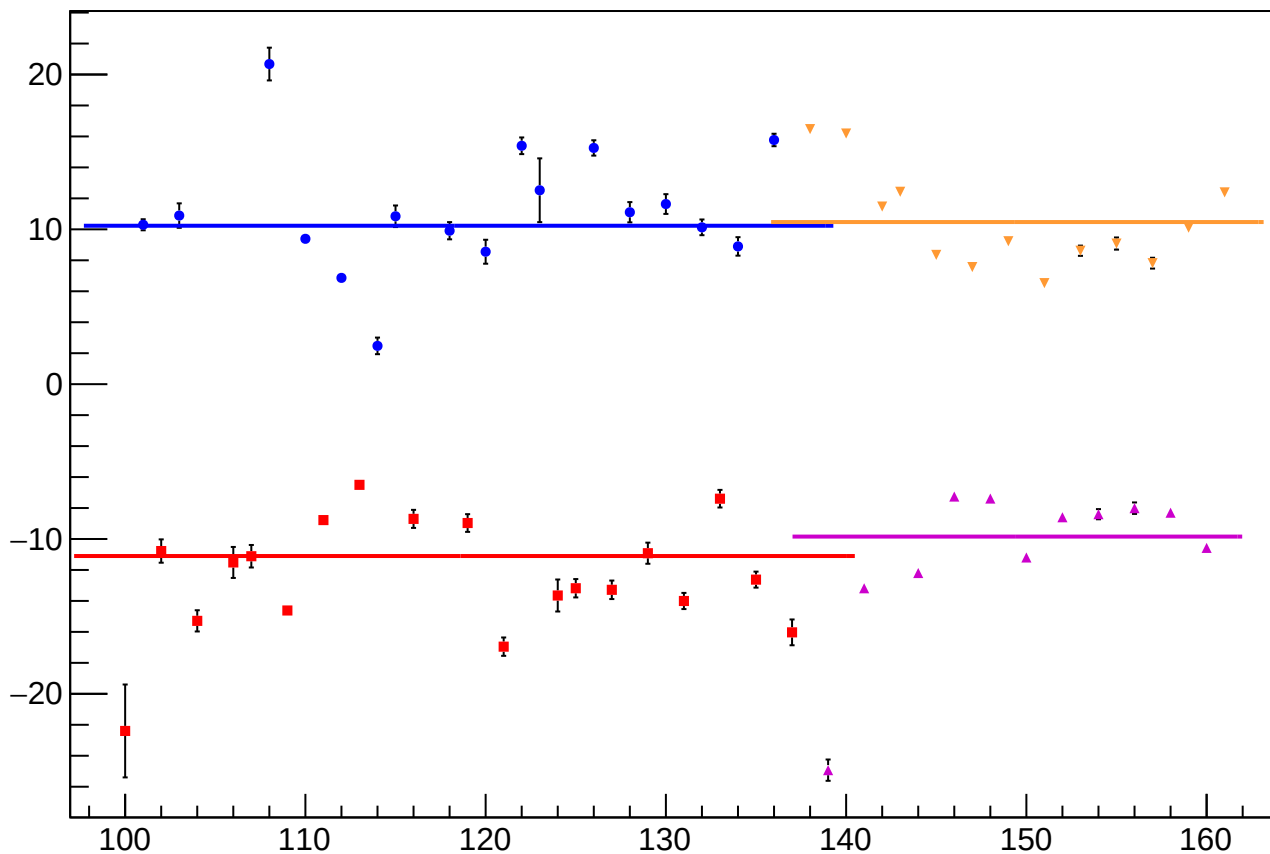
Left In: -16.494+/-0.116 χ^2/NDF :359.1/10

14.676+/-0.108 χ^2/NDF : 1216.9/12

0.237+/-0.079 χ^2/NDF : 40314.1/23

-16.494+/-0.116 χ^2/NDF : 359.1/10

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.472 ± 0.075 χ^2/NDF : 1709.9/12

Right Out: -11.100 ± 0.116 χ^2/NDF : 817.8/18

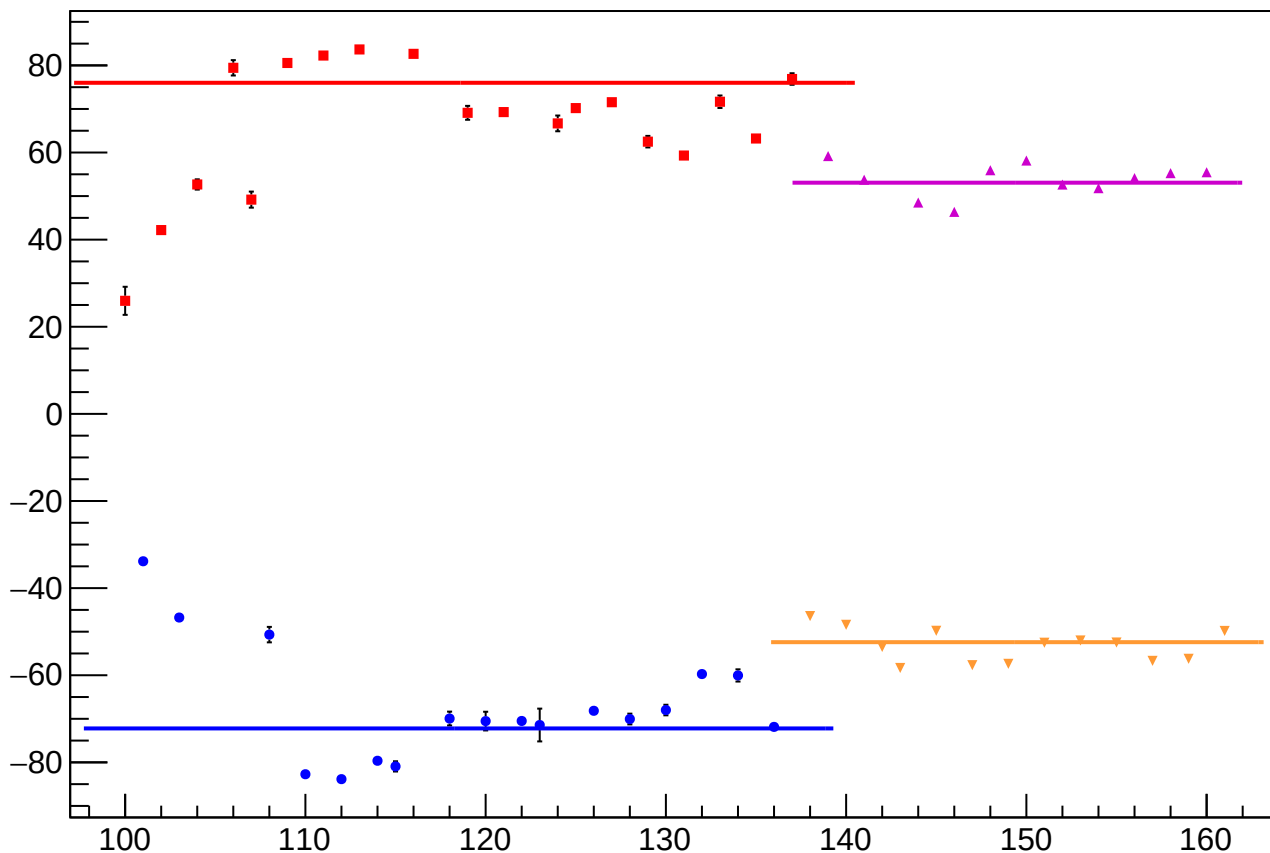
Left In: -9.844 ± 0.079 χ^2/NDF : 1264.8/10

10.404 ± 0.064 χ^2/NDF : 2589.5/29

0.377 ± 0.046 χ^2/NDF : 55795.4/59

-10.242 ± 0.066 χ^2/NDF : 2162.2/29

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 $\pm$ 0.198 χ^2 /NDF: 5566.2/16

Left Out: -52.407 $\pm$ 0.108 χ^2 /NDF:1271.8/12

Right Out: 76.009 $\pm$ 0.181 χ^2 /NDF: 3463.3/18

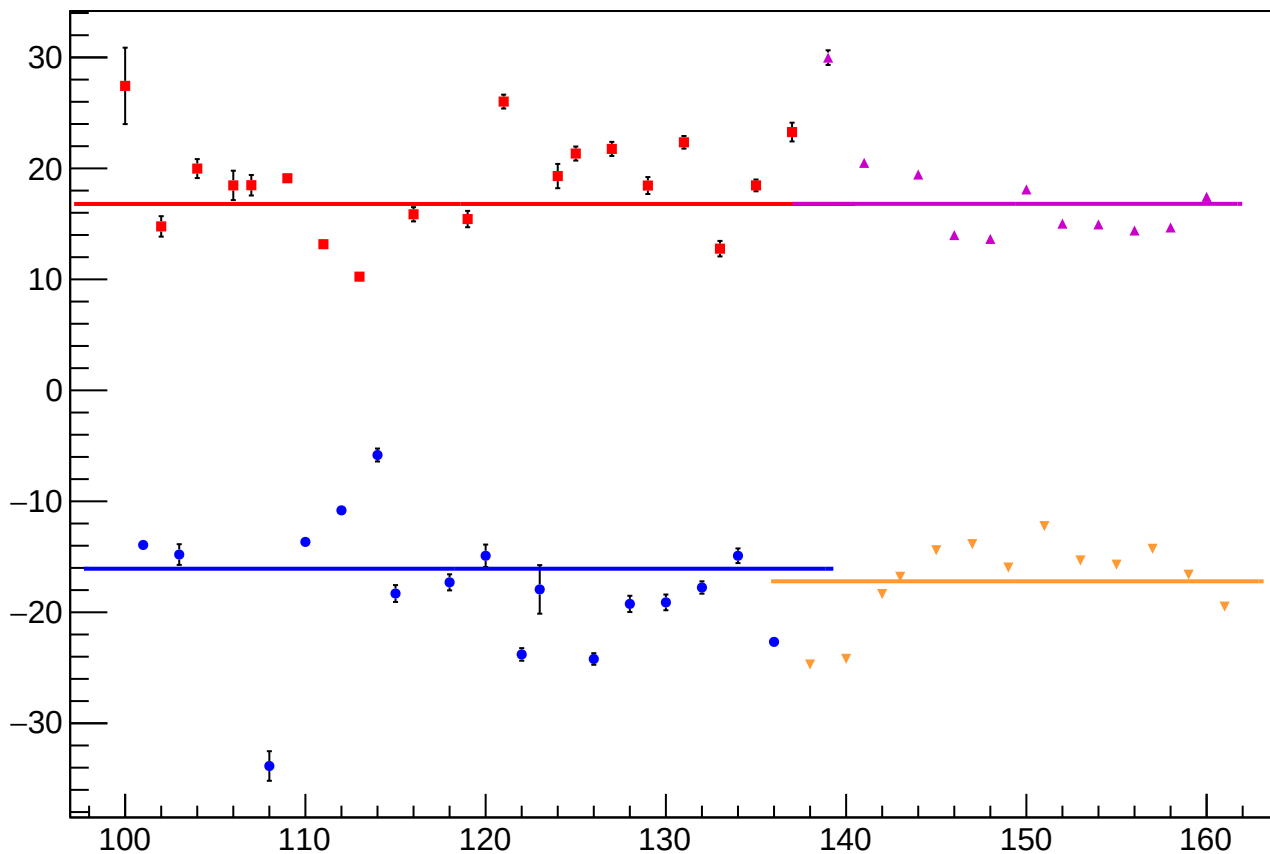
Left In: 53.073 $\pm$ 0.114 χ^2 /NDF:1188.8/10

-56.945 $\pm$ 0.095 χ^2 /NDF: 14550.2/29

0.194 $\pm$ 0.068 χ^2 /NDF: 772064.0/59

59.615 $\pm$ 0.097 χ^2 /NDF: 16131.7/29

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073+/-0.133 χ^2/NDF : 1640.5/16

Left Out: -17.206+/-0.089 χ^2/NDF :1686.1/12

Right Out: 16.795+/-0.128 χ^2/NDF : 1216.0/18

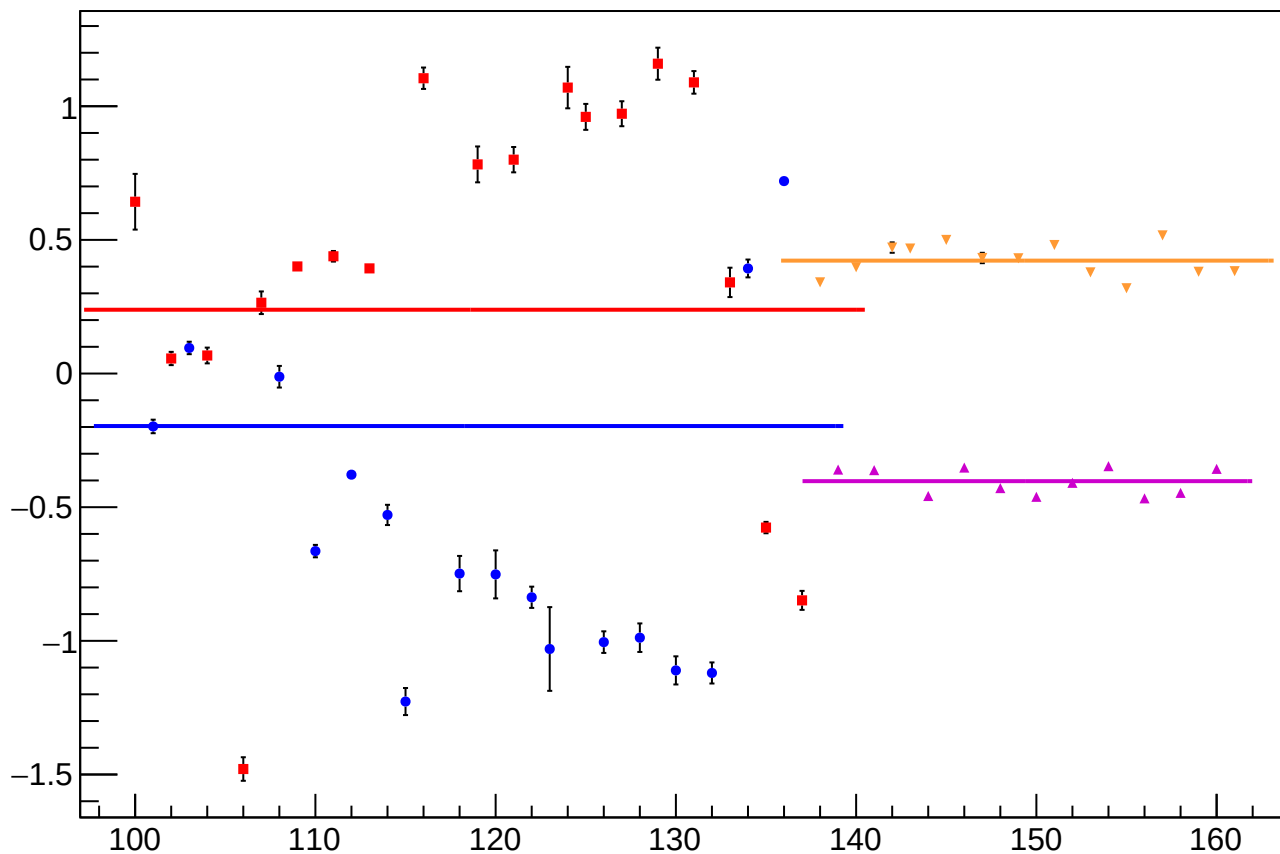
Left In: 16.806+/-0.095 χ^2/NDF :1094.7/10

-16.852+/-0.074 χ^2/NDF : 3376.9/29

-0.500+/-0.053 χ^2/NDF : 106081.6/59

16.802+/-0.076 χ^2/NDF : 2310.8/29

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.422 ± 0.004 χ^2/NDF : 201.8/12

Right Out: 0.239 ± 0.007 χ^2/NDF : 6188.6/18

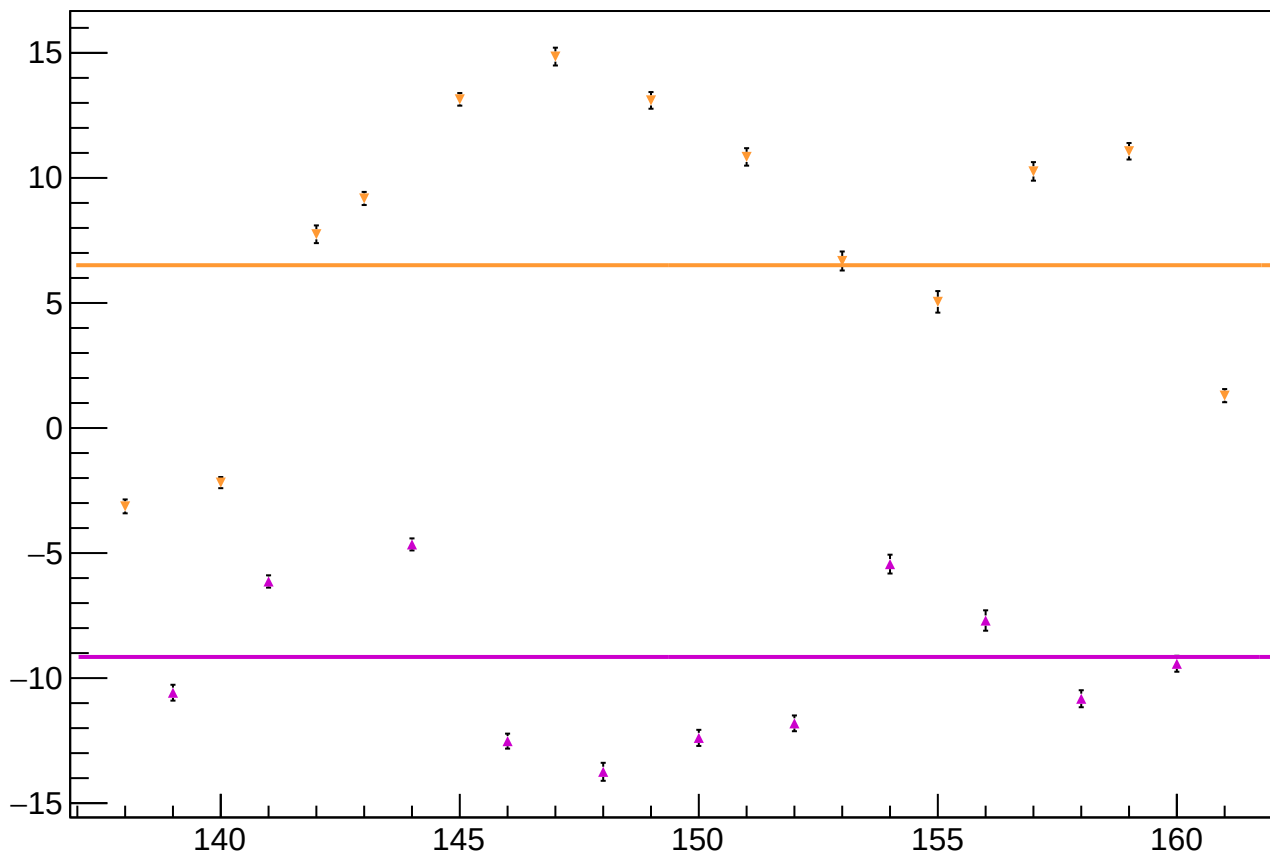
Left In: -0.403 ± 0.005 χ^2/NDF : 110.6/10

0.274 ± 0.004 χ^2/NDF : 11633.8/29

0.034 ± 0.003 χ^2/NDF : 32290.7/59

-0.221 ± 0.004 χ^2/NDF : 12017.6/29

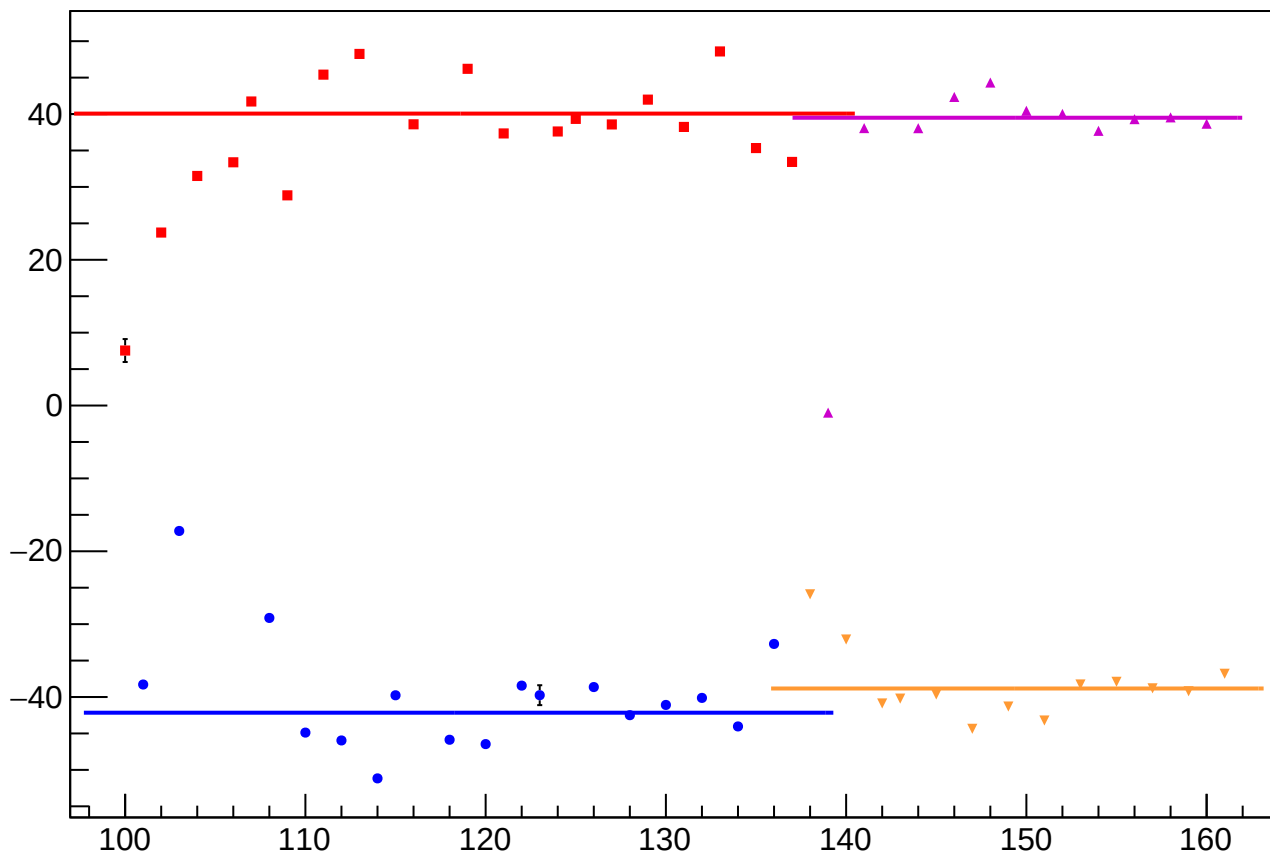
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.510 $\pm$ 0.085 χ^2 /NDF:5326.9/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -9.154 $\pm$ 0.094 χ^2 /NDF:1115.3/10

6.510 $\pm$ 0.085 χ^2 /NDF: 5326.9/12
 -0.522 $\pm$ 0.063 χ^2 /NDF: 21824.8/23
 -9.154 $\pm$ 0.094 χ^2 /NDF: 1115.3/10

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -38.832 ± 0.059 χ^2/NDF : 5629.9/12

Right Out: 40.062 ± 0.073 χ^2/NDF : 11322.2/18

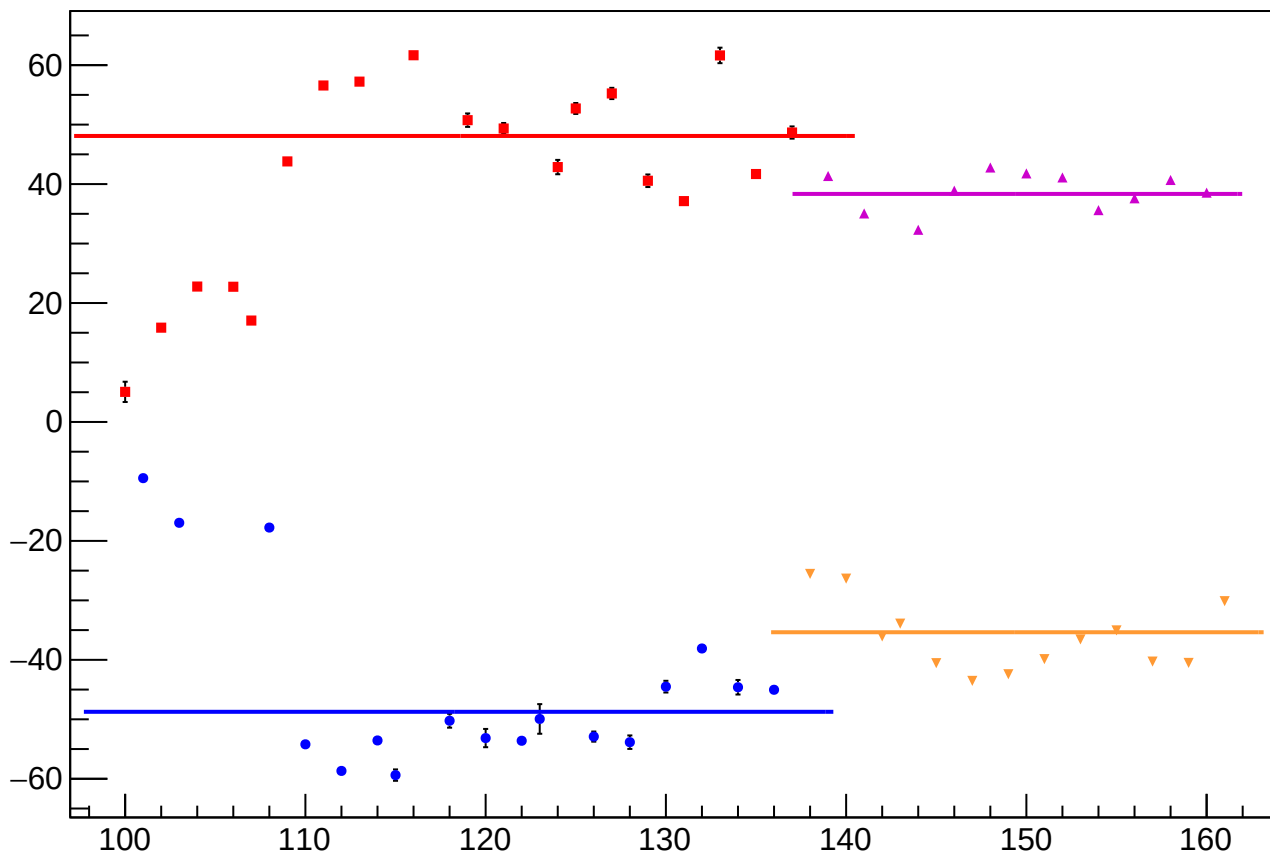
Left In: 39.494 ± 0.065 χ^2/NDF : 6310.3/10

-40.039 ± 0.047 χ^2/NDF : 13341.5/29

-1.269 ± 0.034 χ^2/NDF : 1429221.5/59

39.745 ± 0.048 χ^2/NDF : 17666.5/29

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: -35.359 $\pm$ 0.085 χ^2/NDF : 5148.9/12

Right Out: 48.092 $\pm$ 0.107 χ^2/NDF : 11733.2/18

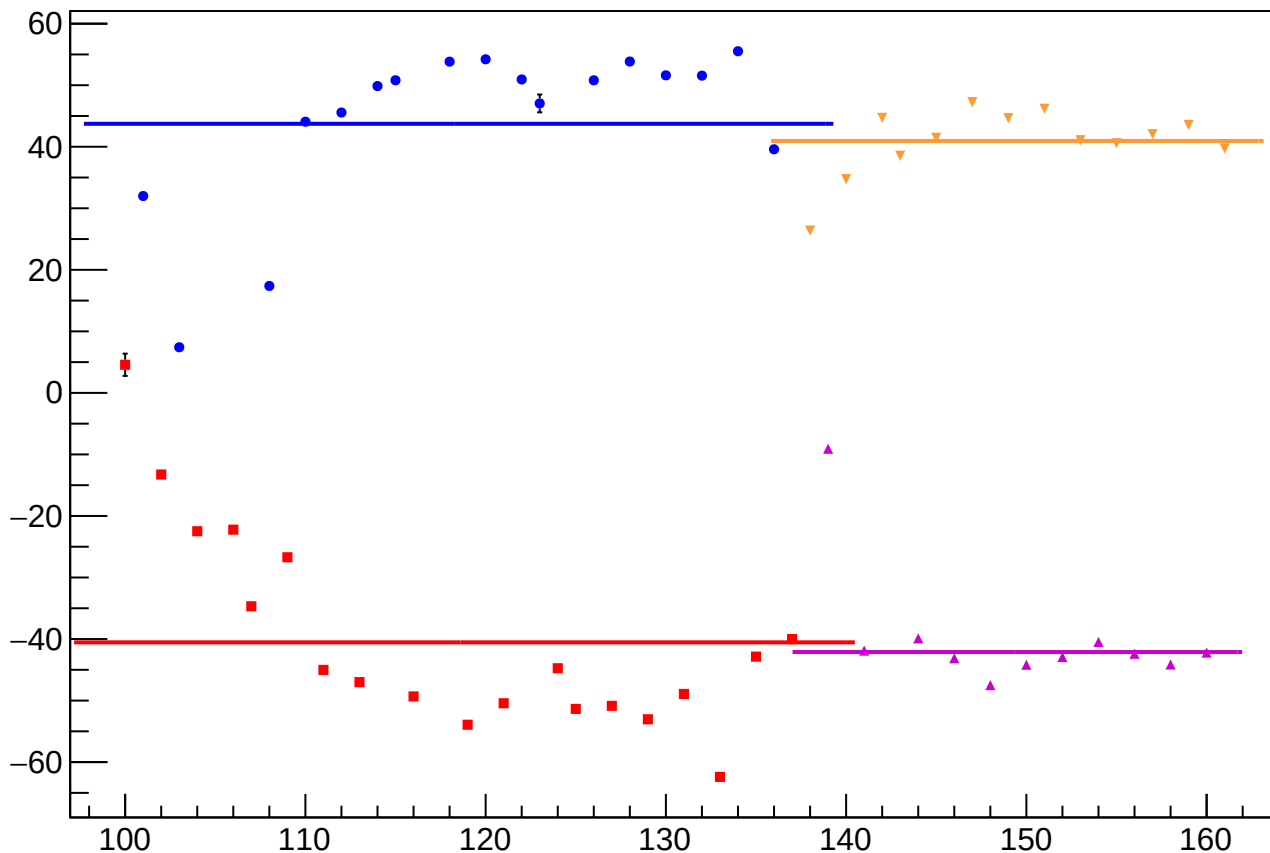
Left In: 38.346 $\pm$ 0.092 χ^2/NDF : 1294.3/10

-39.578 $\pm$ 0.070 χ^2/NDF : 27704.3/29

1.477 $\pm$ 0.049 χ^2/NDF : 734113.3/59

42.488 $\pm$ 0.070 χ^2/NDF : 17777.1/29

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 ± 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.943 ± 0.070 χ^2/NDF : 4823.1/12

Right Out: -40.537 ± 0.080 χ^2/NDF : 17601.3/18

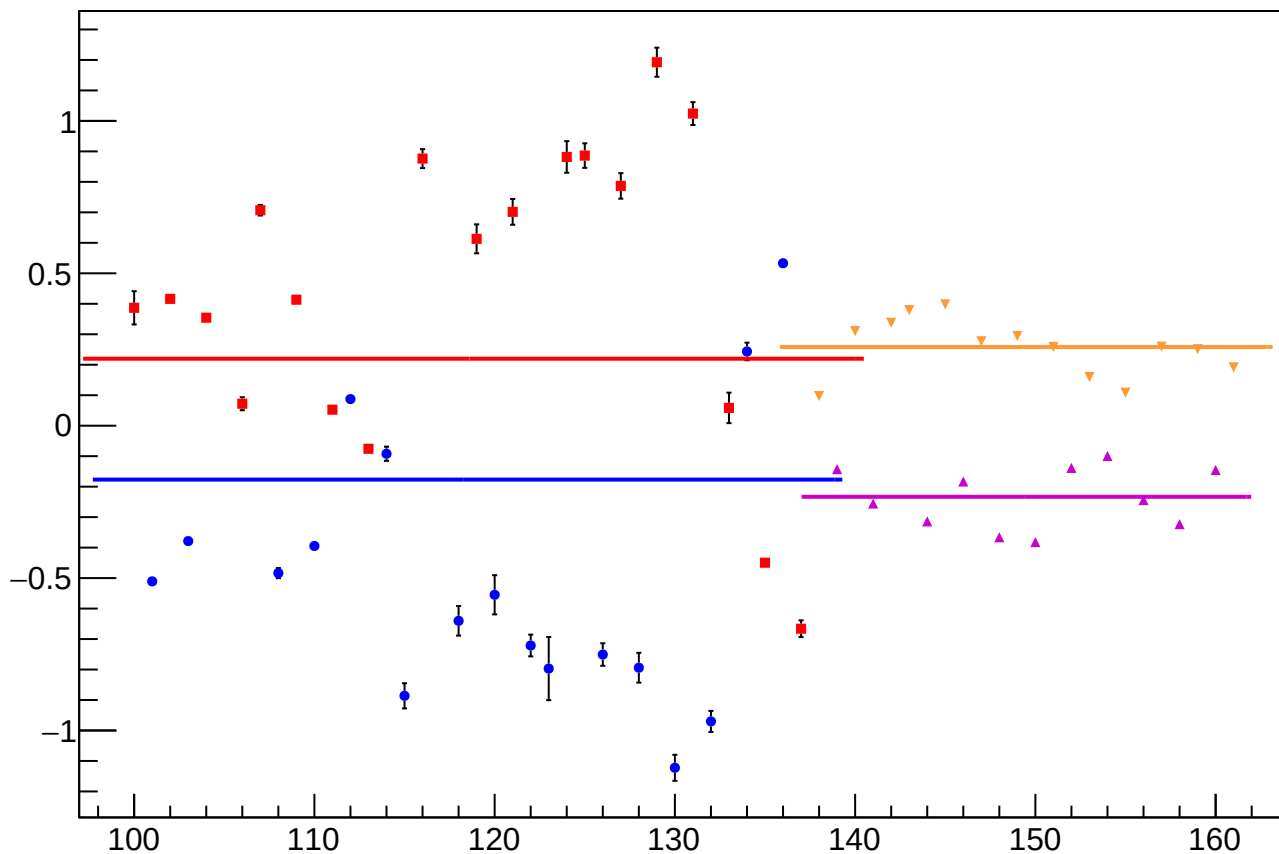
Left In: -42.111 ± 0.077 χ^2/NDF : 4466.1/10

42.037 ± 0.054 χ^2/NDF : 16016.8/29

1.120 ± 0.039 χ^2/NDF : 1191574.4/59

-41.359 ± 0.055 χ^2/NDF : 22268.6/29

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.258 ± 0.003 χ^2/NDF : 764.1/12

Right Out: 0.220 ± 0.004 χ^2/NDF : 7430.4/18

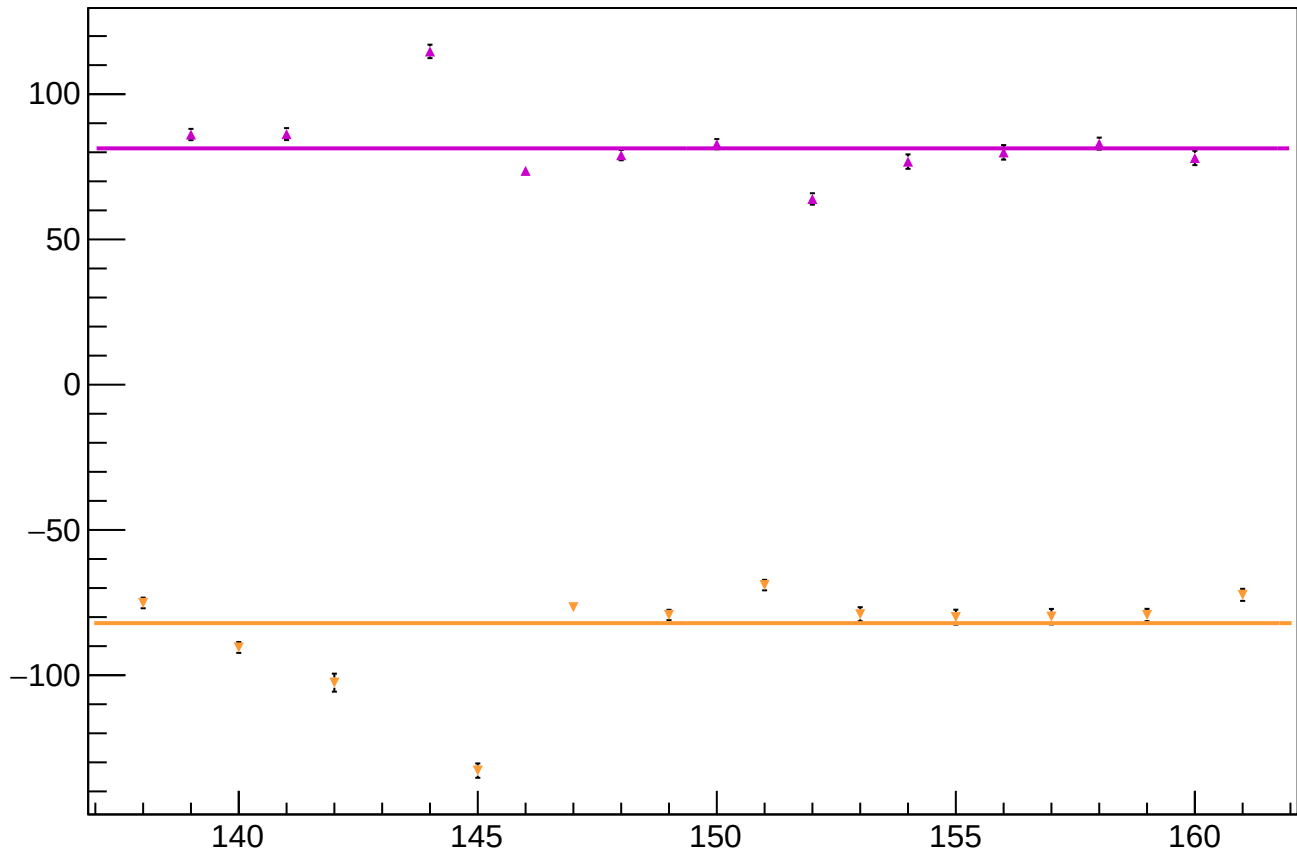
Left In: -0.233 ± 0.004 χ^2/NDF : 657.9/10

0.119 ± 0.003 χ^2/NDF : 13623.4/29

0.037 ± 0.002 χ^2/NDF : 29997.1/59

-0.046 ± 0.003 χ^2/NDF : 14586.5/29

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -82.073+/-0.605 χ^2/NDF : 590.3/11

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

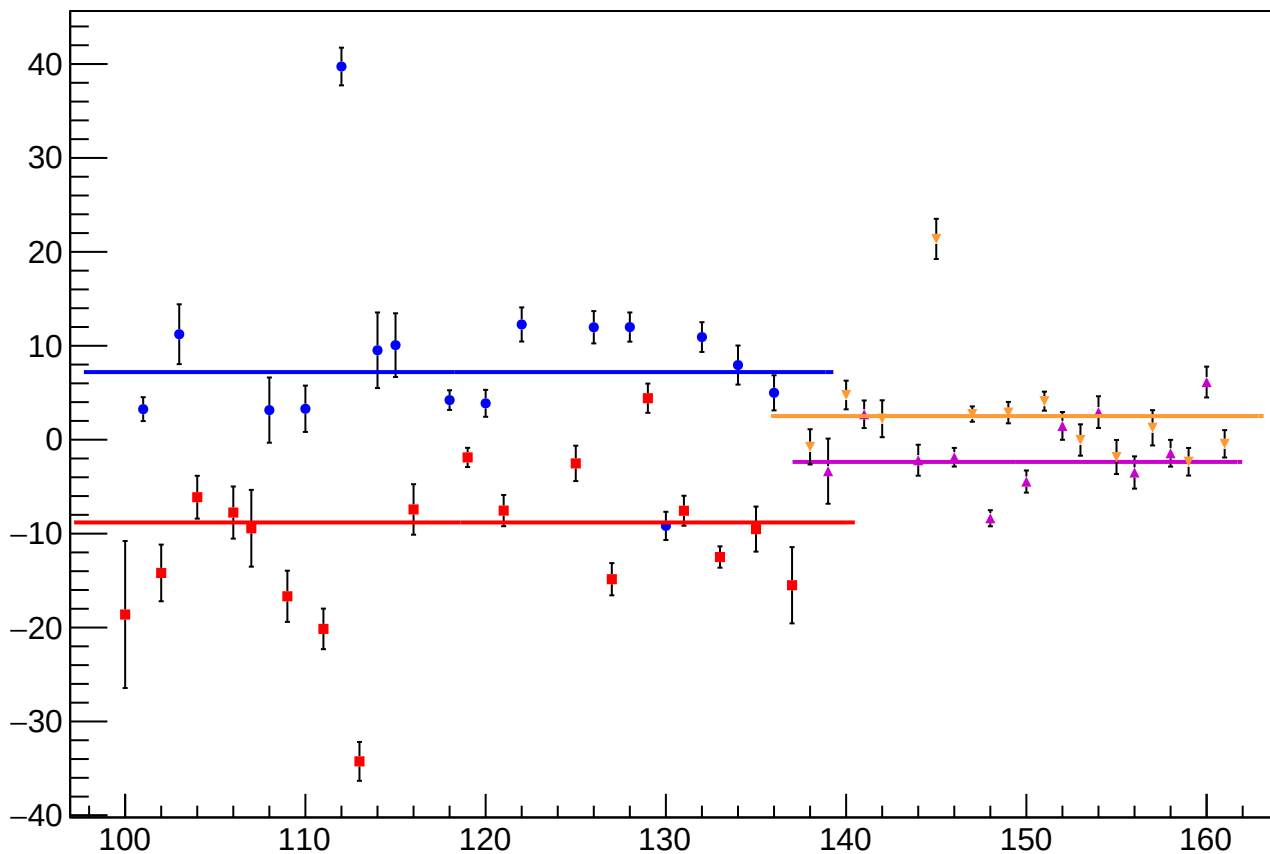
Left In: 81.350+/-0.613 χ^2/NDF : 327.4/10

-82.073+/-0.605 χ^2/NDF : 590.3/11

-1.350+/-0.431 χ^2/NDF : 36917.8/22

81.350+/-0.613 χ^2/NDF : 327.4/10

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.515 ± 0.398 χ^2/NDF : 109.2/11

Right Out: -8.810 ± 0.448 χ^2/NDF : 349.7/17

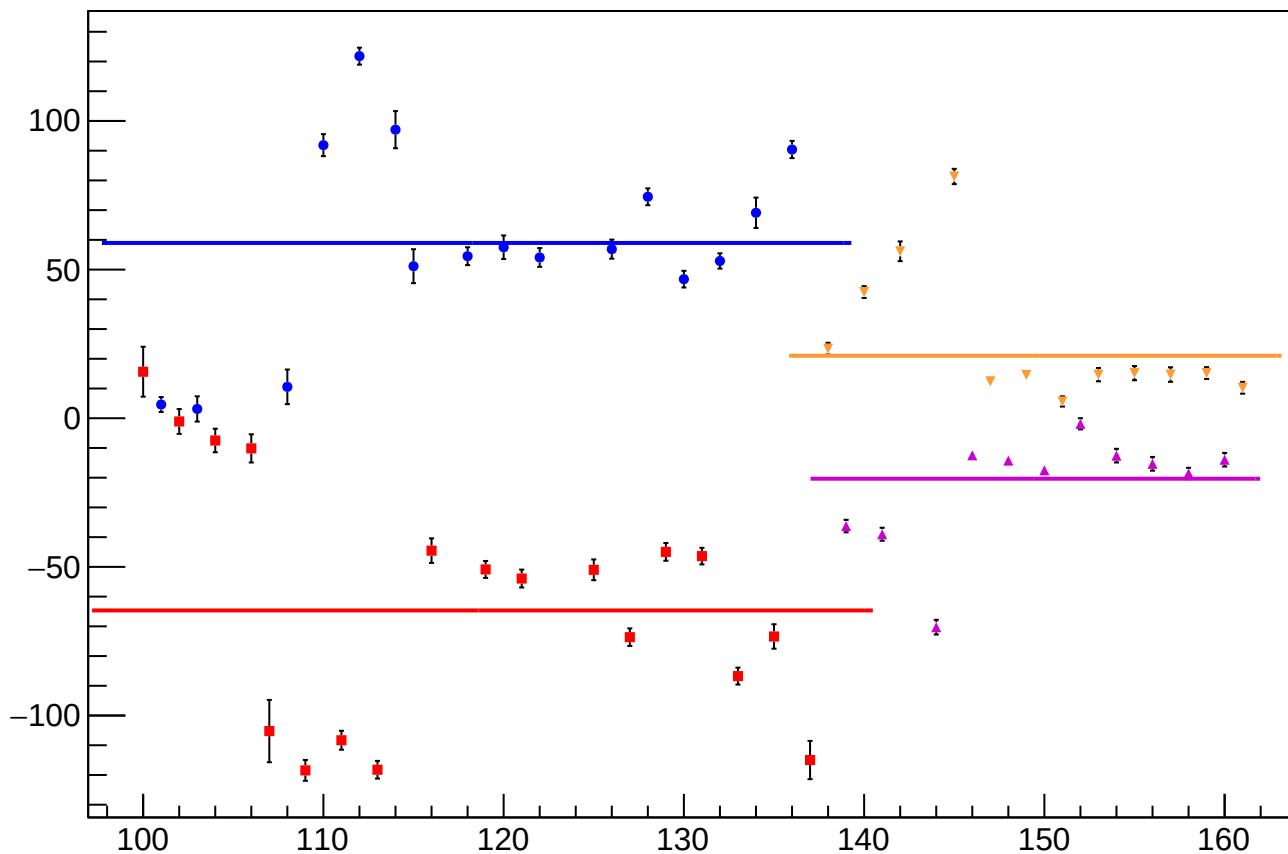
Left In: -2.366 ± 0.407 χ^2/NDF : 108.8/10

4.624 ± 0.295 χ^2/NDF : 615.4/27

-0.223 ± 0.211 χ^2/NDF : 1739.3/56

-5.284 ± 0.301 χ^2/NDF : 571.8/28

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962+/-0.837 χ^2/NDF : 1496.5/15

Left Out: 21.022+/-0.589 χ^2/NDF : 962.6/11

Right Out: -64.655+/-0.840 χ^2/NDF : 1721.8/17

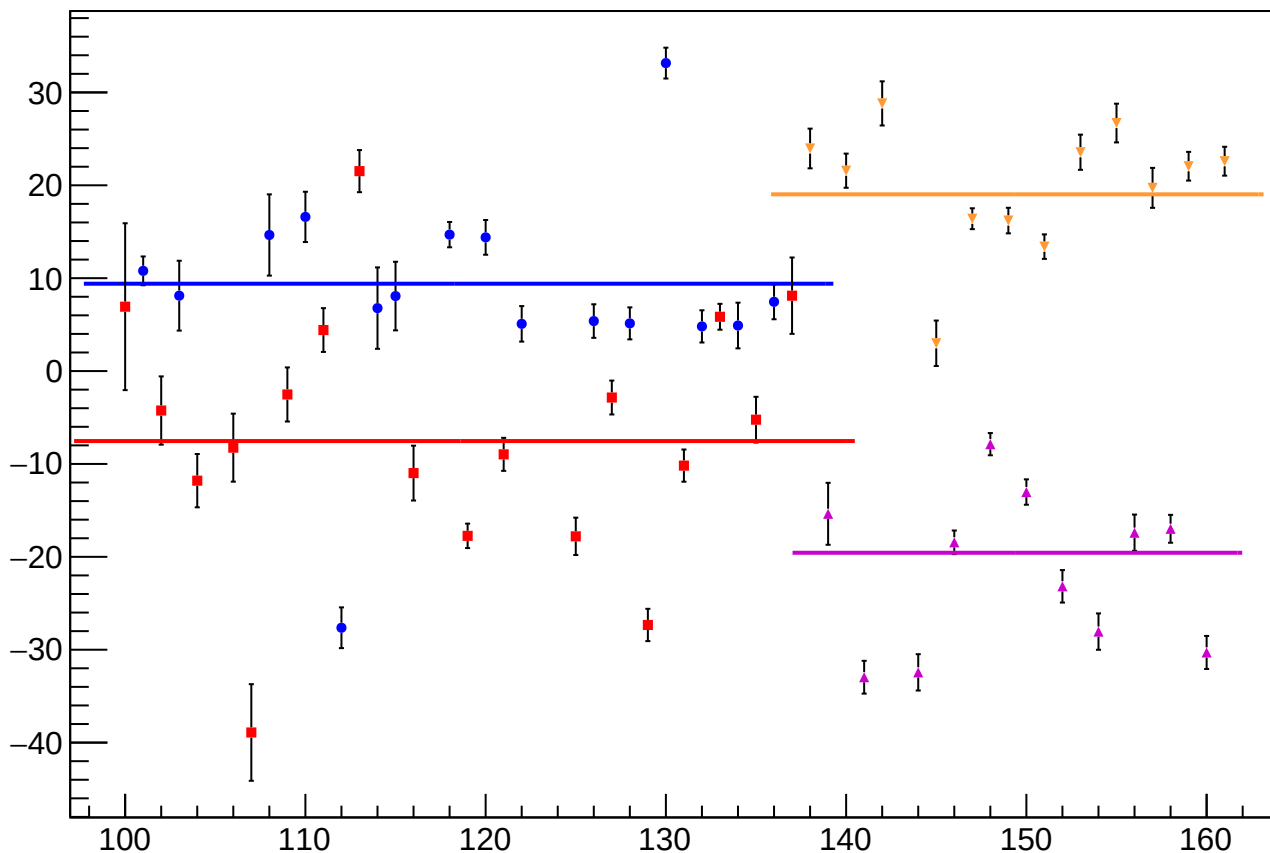
Left In: -20.339+/-0.594 χ^2/NDF : 697.8/10

33.585+/-0.482 χ^2/NDF : 3833.5/27

-0.533+/-0.342 χ^2/NDF : 18211.8/56

-35.096+/-0.485 χ^2/NDF : 4275.9/28

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: 19.028 ± 0.482 $\chi^2/\text{NDF}: 123.5/11$

Right Out: -7.533 ± 0.515 $\chi^2/\text{NDF}: 569.8/17$

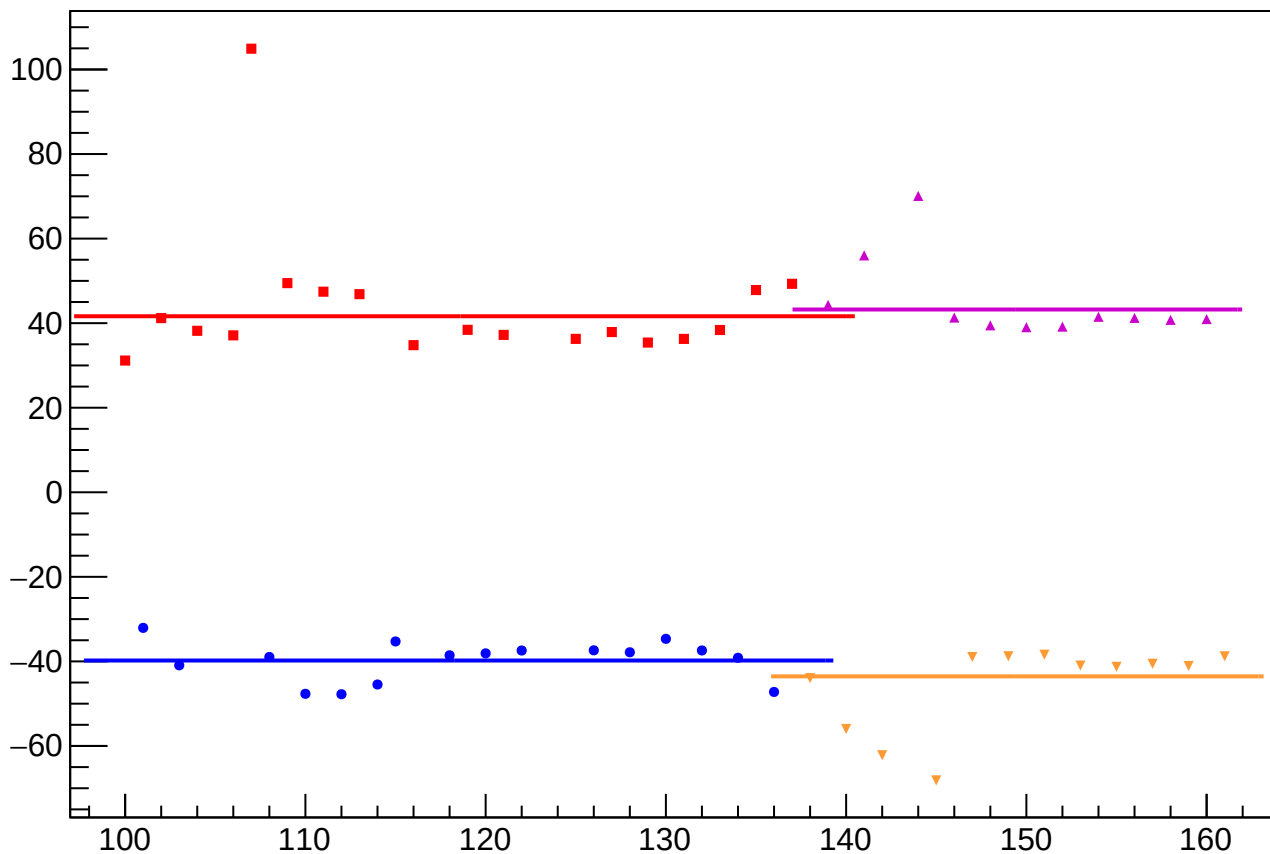
Left In: -19.561 ± 0.492 $\chi^2/\text{NDF}: 285.3/10$

14.460 ± 0.349 $\chi^2/\text{NDF}: 862.5/27$

0.579 ± 0.249 $\chi^2/\text{NDF}: 5224.4/56$

-13.823 ± 0.356 $\chi^2/\text{NDF}: 1140.5/28$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -43.542 ± 0.023 χ^2/NDF : 119796.8/11

Right Out: 41.635 ± 0.031 χ^2/NDF : 94393.1/17

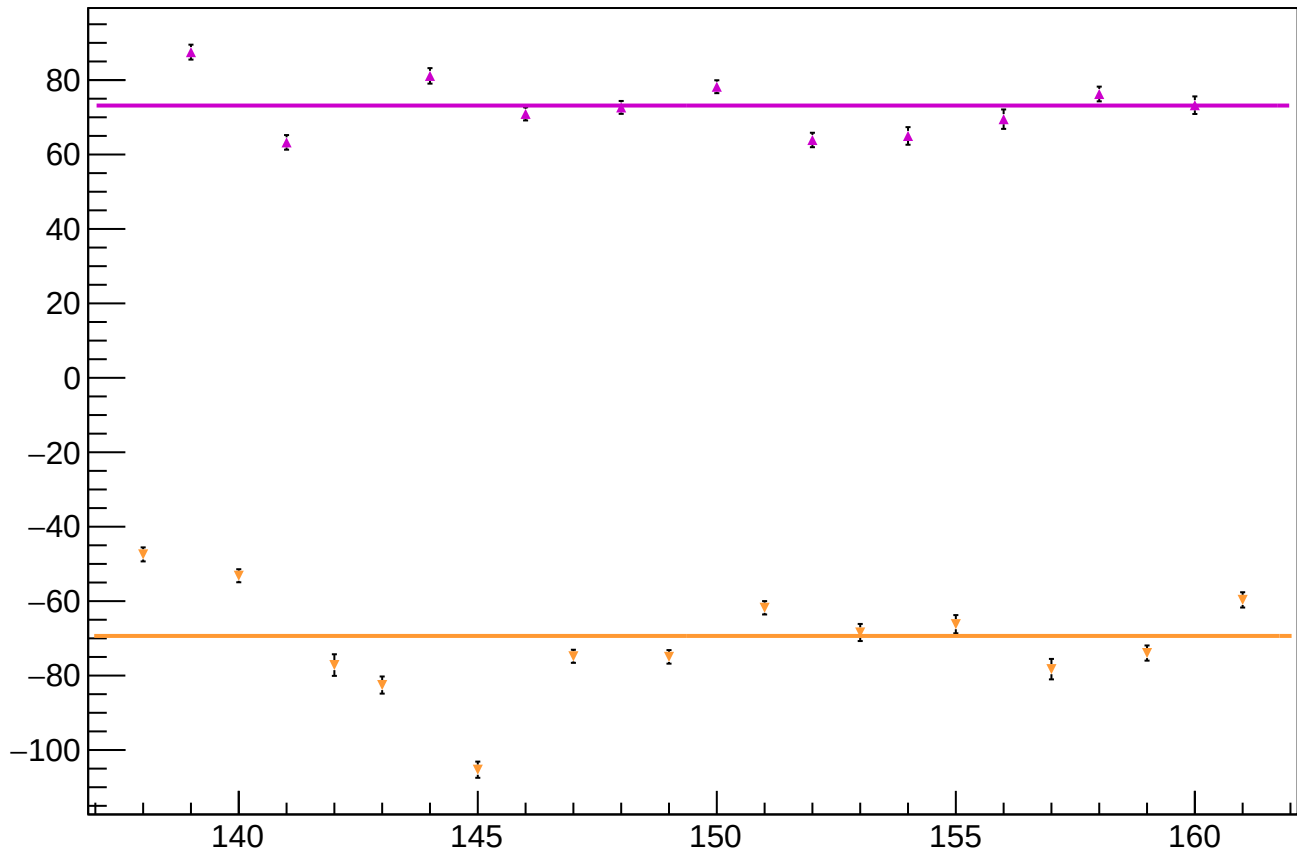
Left In: 43.231 ± 0.023 χ^2/NDF : 95279.5/10

-42.193 ± 0.019 χ^2/NDF : 155176.2/27

0.317 ± 0.013 χ^2/NDF : 10629405.1/56

42.659 ± 0.019 χ^2/NDF : 191348.7/28

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -69.350+/-0.575 χ^2/NDF : 610.4/12

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

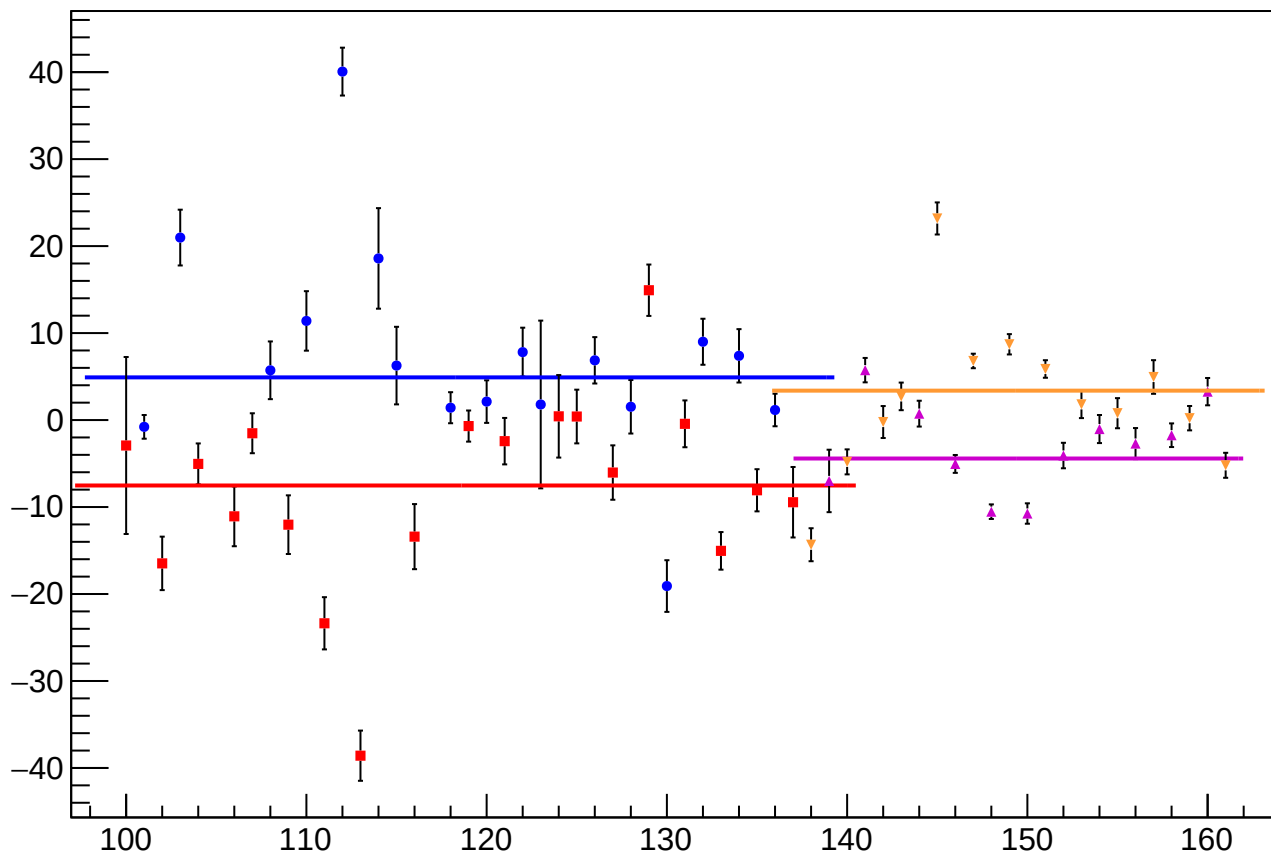
Left In: 73.157+/-0.603 χ^2/NDF : 140.4/10

-69.350+/-0.575 χ^2/NDF : 610.4/12

-1.510+/-0.416 χ^2/NDF : 30009.9/23

73.157+/-0.603 χ^2/NDF : 140.4/10

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 3.381 ± 0.381 χ^2/NDF : 327.3/12

Right Out: -7.523 ± 0.651 χ^2/NDF : 270.6/18

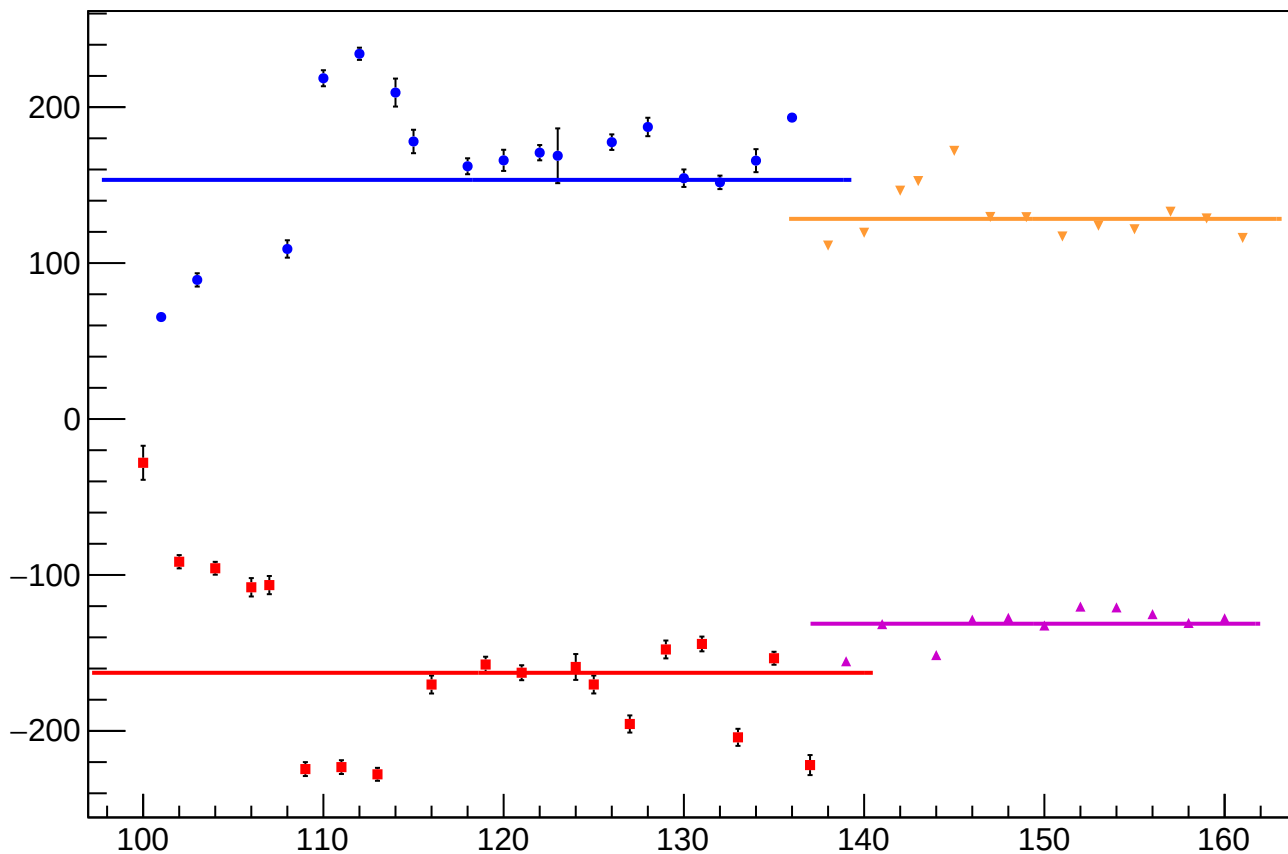
Left In: -4.422 ± 0.400 χ^2/NDF : 180.7/10

3.791 ± 0.326 χ^2/NDF : 627.0/29

-0.533 ± 0.235 χ^2/NDF : 1464.6/59

-5.274 ± 0.341 χ^2/NDF : 467.8/29

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 ± 1.150 χ^2/NDF : 2268.3/16

Left Out: 128.352 ± 0.563 χ^2/NDF : 692.5/12

Right Out: -162.734 ± 1.177 χ^2/NDF : 1708.8/18

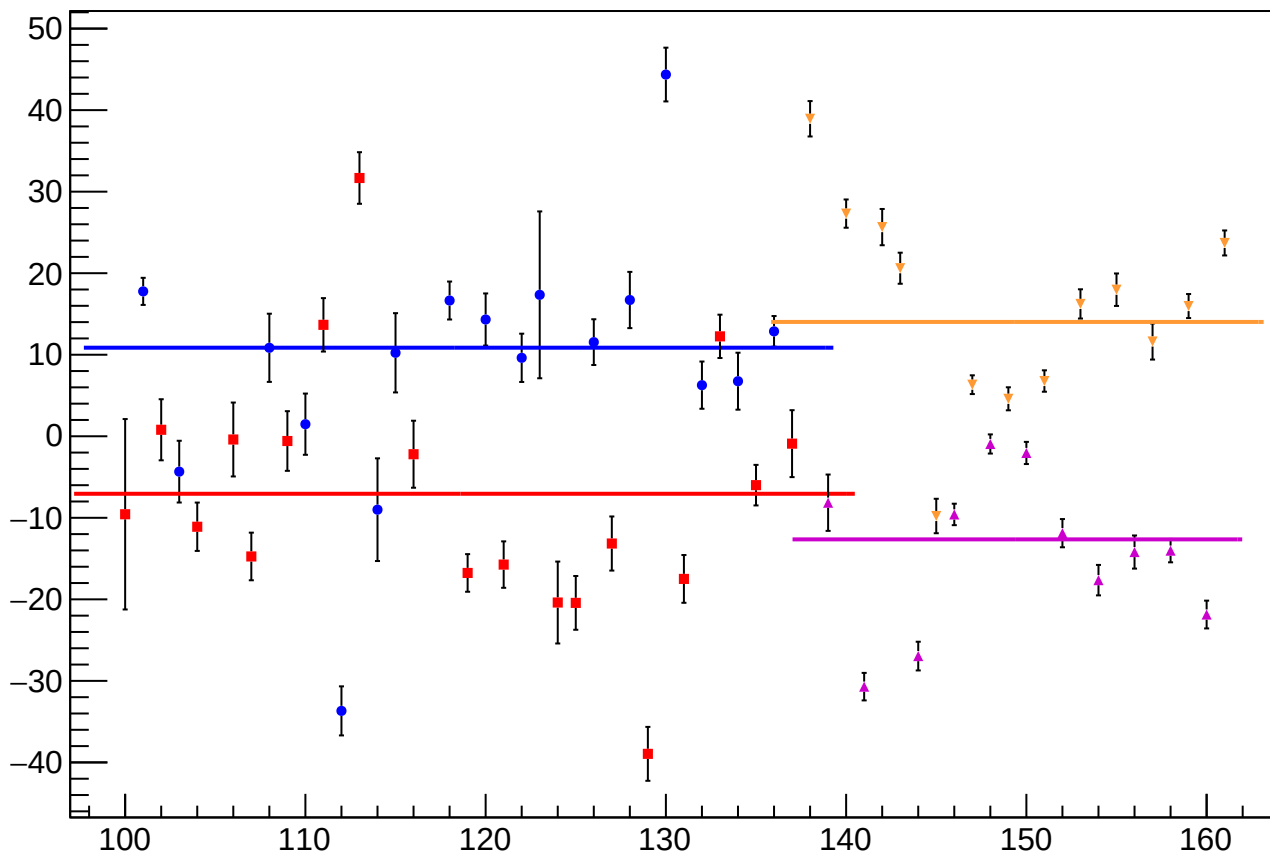
Left In: -131.260 ± 0.585 χ^2/NDF : 279.0/10

133.186 ± 0.506 χ^2/NDF : 3341.8/29

2.513 ± 0.364 χ^2/NDF : 144156.5/59

-137.489 ± 0.524 χ^2/NDF : 2561.4/29

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: 14.024 $\pm$ 0.459 χ^2/NDF : 524.9/12

Right Out: -7.052 $\pm$ 0.748 χ^2/NDF : 424.7/18

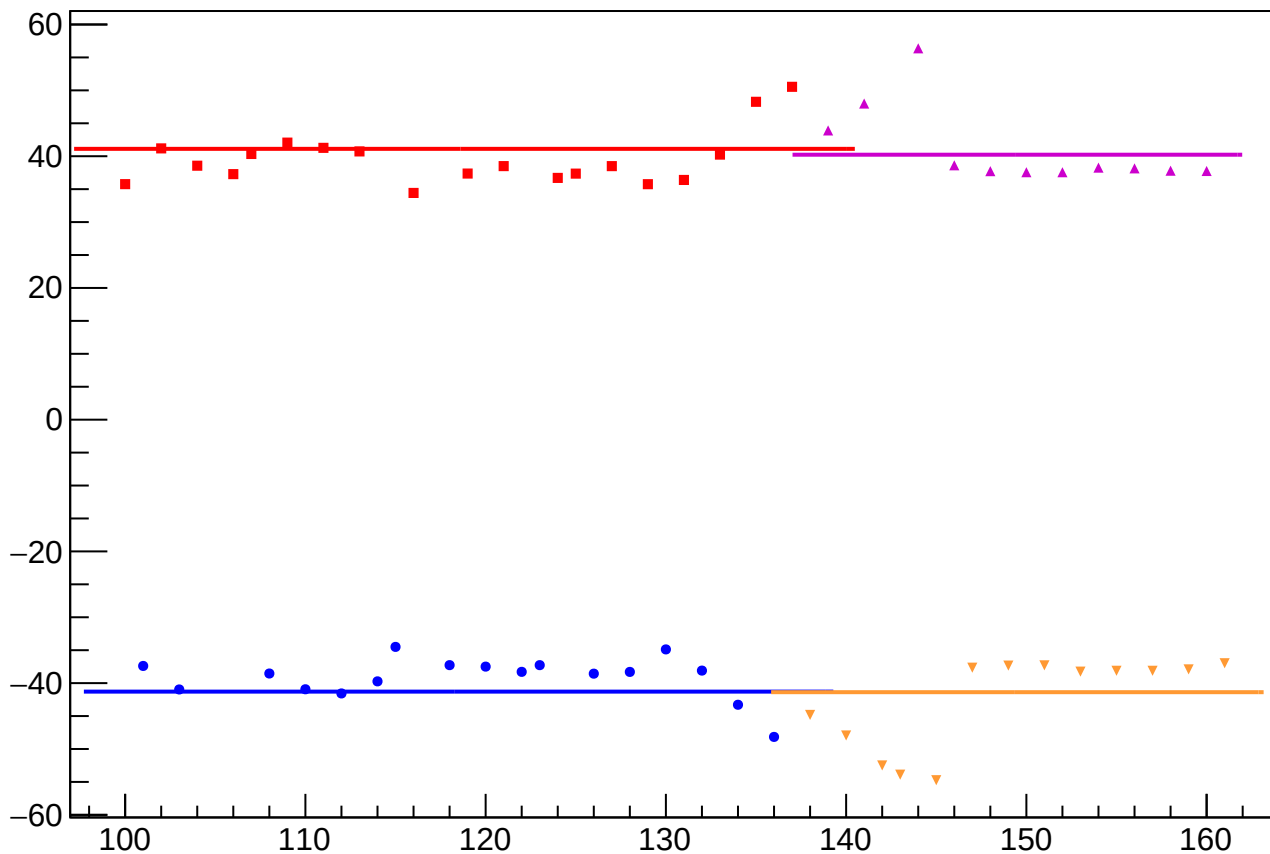
Left In: -12.646 $\pm$ 0.483 χ^2/NDF : 385.8/10

13.108 $\pm$ 0.387 χ^2/NDF : 926.5/29

1.608 $\pm$ 0.280 χ^2/NDF : 3625.9/59

-11.000 $\pm$ 0.405 χ^2/NDF : 850.1/29

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -41.375 ± 0.022 $\chi^2/\text{NDF}: 73933.4/12$

Right Out: 41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

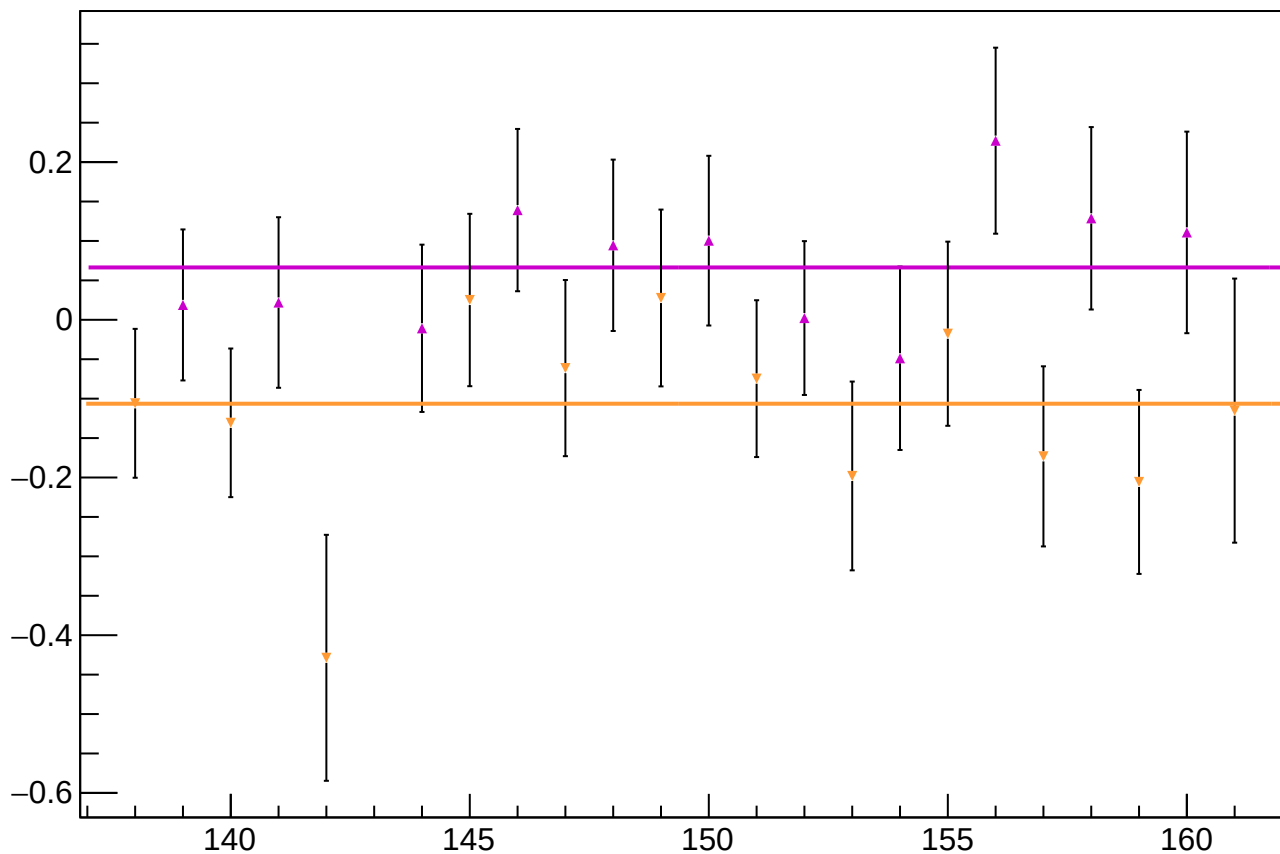
Left In: 40.230 ± 0.023 $\chi^2/\text{NDF}: 46302.5/10$

-41.353 ± 0.019 $\chi^2/\text{NDF}: 86446.2/29$

-1.323 ± 0.014 $\chi^2/\text{NDF}: 8896501.8/59$

40.462 ± 0.020 $\chi^2/\text{NDF}: 58804.9/29$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -0.106 ± 0.033 χ^2/NDF : 9.7/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

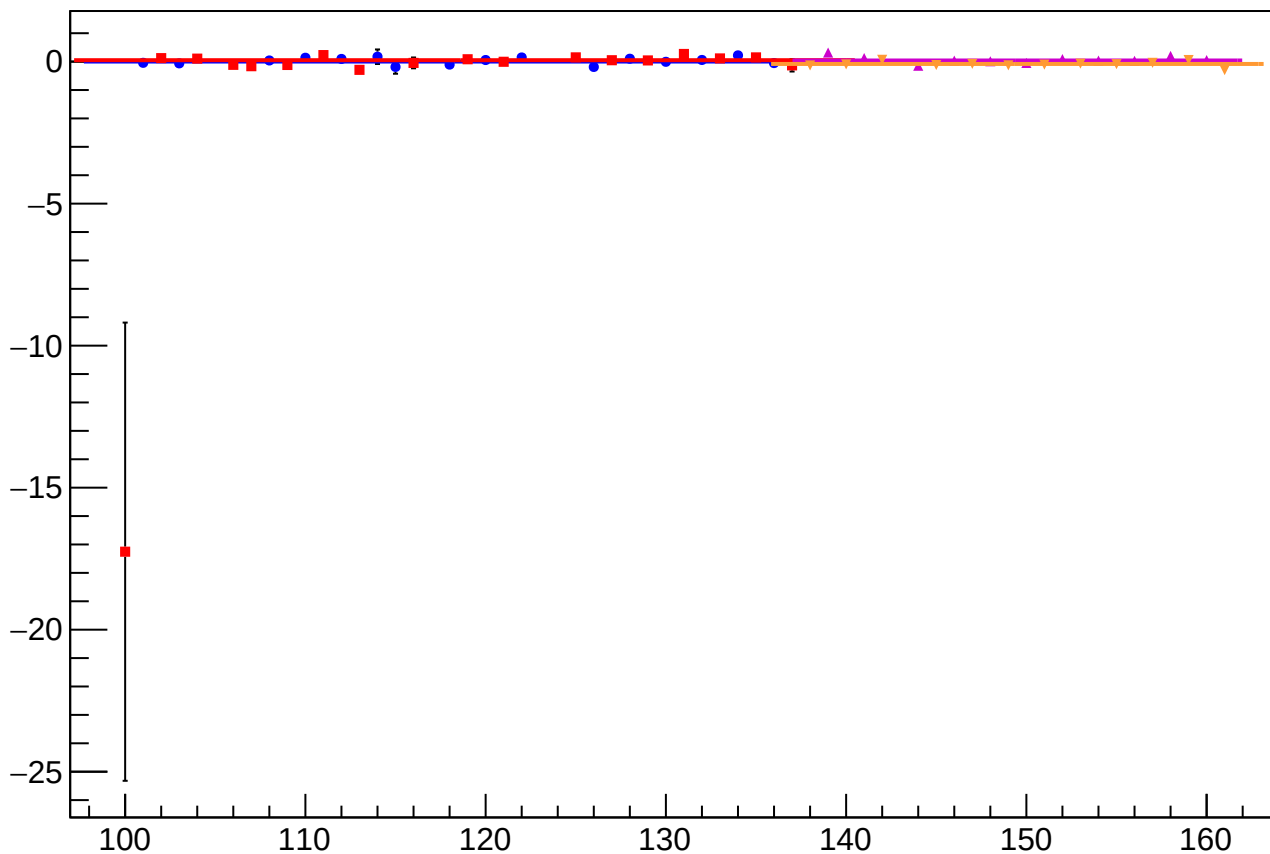
Left In: 0.066 ± 0.033 χ^2/NDF : 5.3/10

-0.106 ± 0.033 χ^2/NDF : 9.7/11

-0.020 ± 0.023 χ^2/NDF : 29.0/22

0.066 ± 0.033 χ^2/NDF : 5.3/10

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.082 ± 0.022 χ^2/NDF : 9.9/11

Right Out: 0.050 ± 0.029 χ^2/NDF : 25.6/17

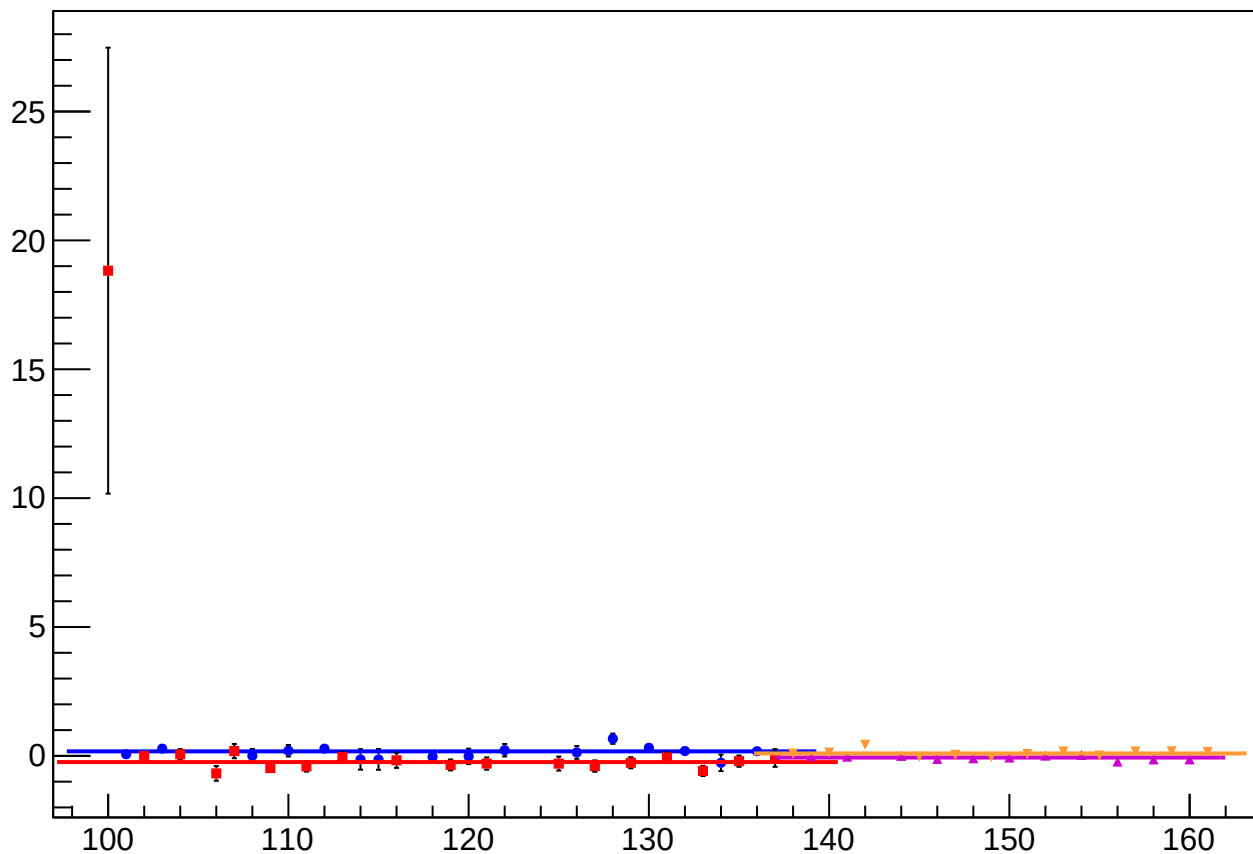
Left In: 0.039 ± 0.023 χ^2/NDF : 16.1/10

-0.050 ± 0.018 χ^2/NDF : 27.9/27

-0.004 ± 0.013 χ^2/NDF : 83.4/56

0.043 ± 0.018 χ^2/NDF : 41.7/28

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.096 ± 0.032 χ^2/NDF : 9.5/11

Right Out: -0.240 ± 0.054 χ^2/NDF : 21.6/17

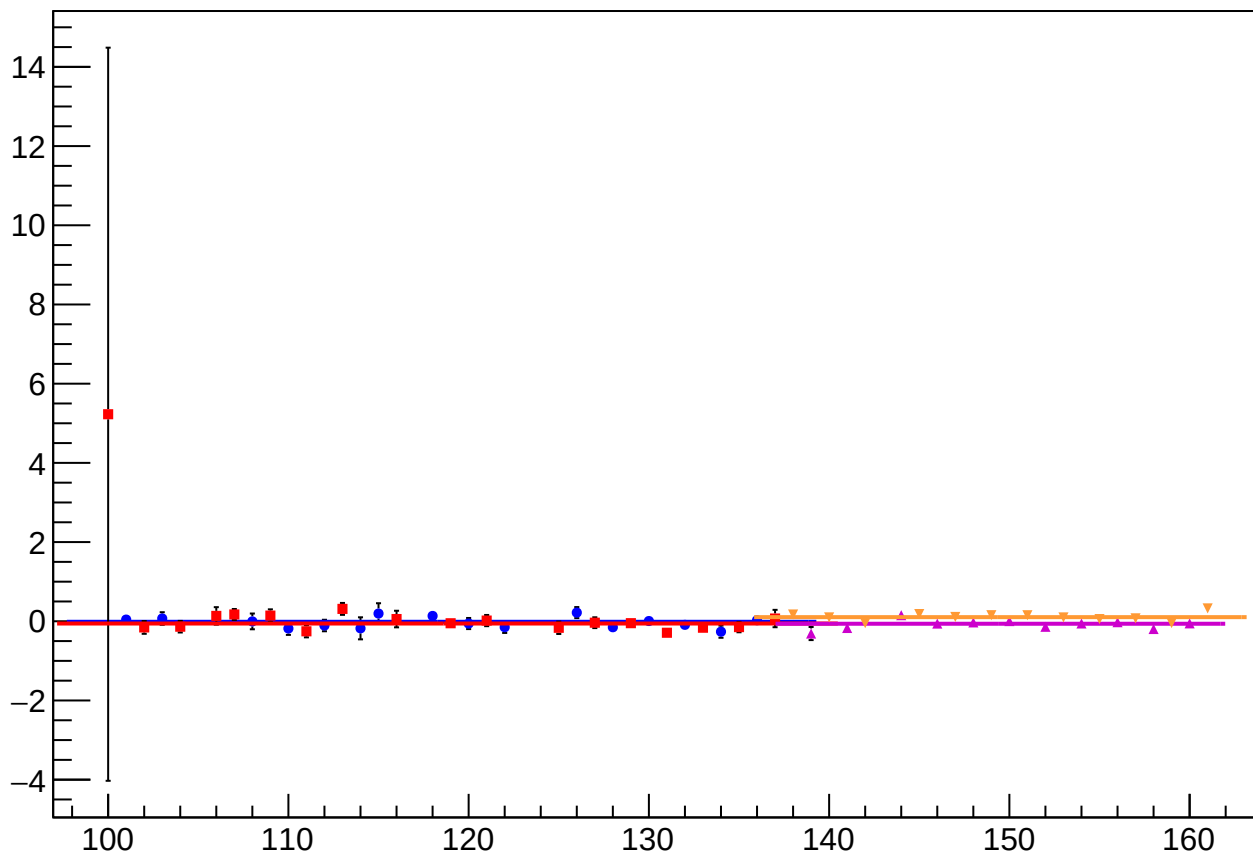
Left In: -0.065 ± 0.032 χ^2/NDF : 5.5/10

0.117 ± 0.027 χ^2/NDF : 24.2/27

0.004 ± 0.019 χ^2/NDF : 93.7/56

-0.110 ± 0.027 χ^2/NDF : 34.9/28

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.104 ± 0.027 χ^2/NDF : 9.8/11

Right Out: -0.057 ± 0.034 χ^2/NDF : 20.3/17

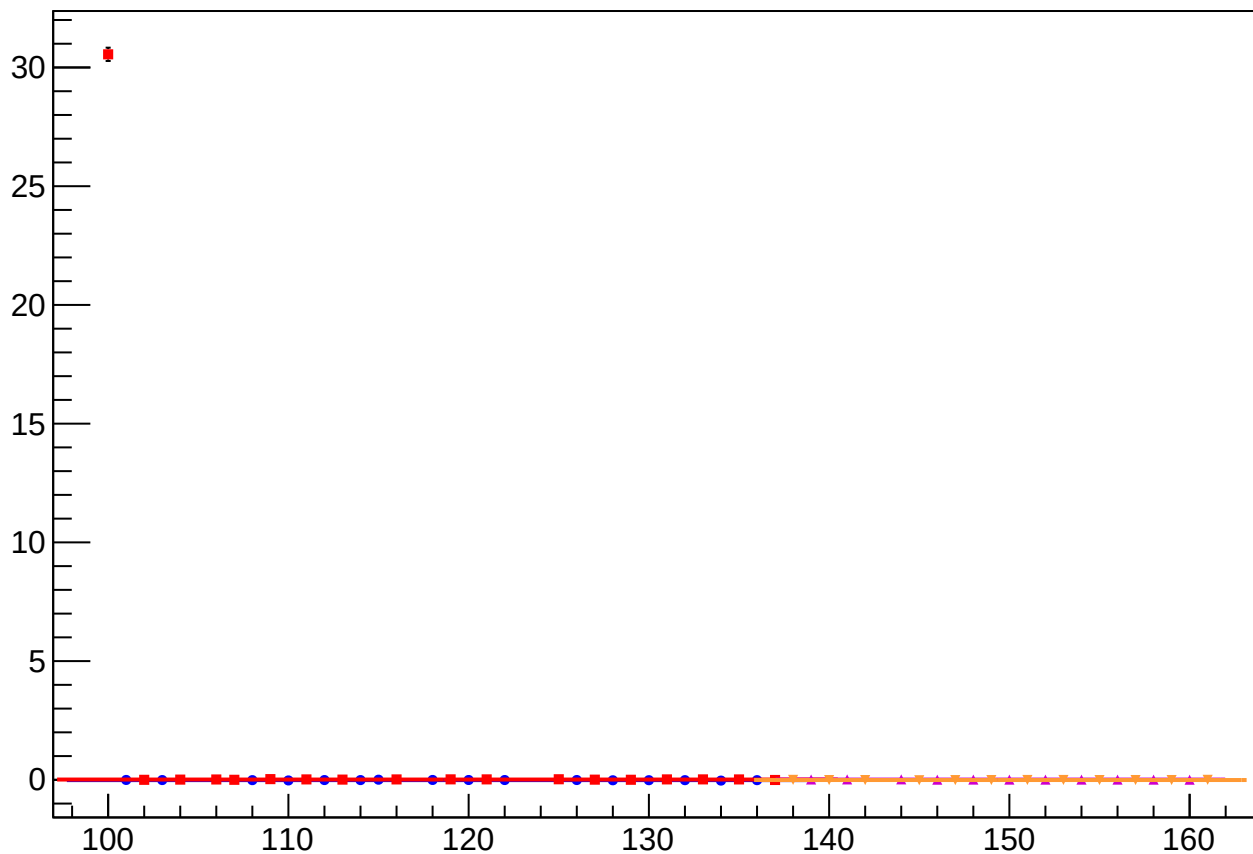
Left In: -0.063 ± 0.027 χ^2/NDF : 13.7/10

0.057 ± 0.021 χ^2/NDF : 31.1/27

-0.001 ± 0.015 χ^2/NDF : 81.1/56

-0.060 ± 0.021 χ^2/NDF : 34.1/28

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 10.3/11

Right Out: 0.012 ± 0.002 χ^2/NDF : 11891.4/17

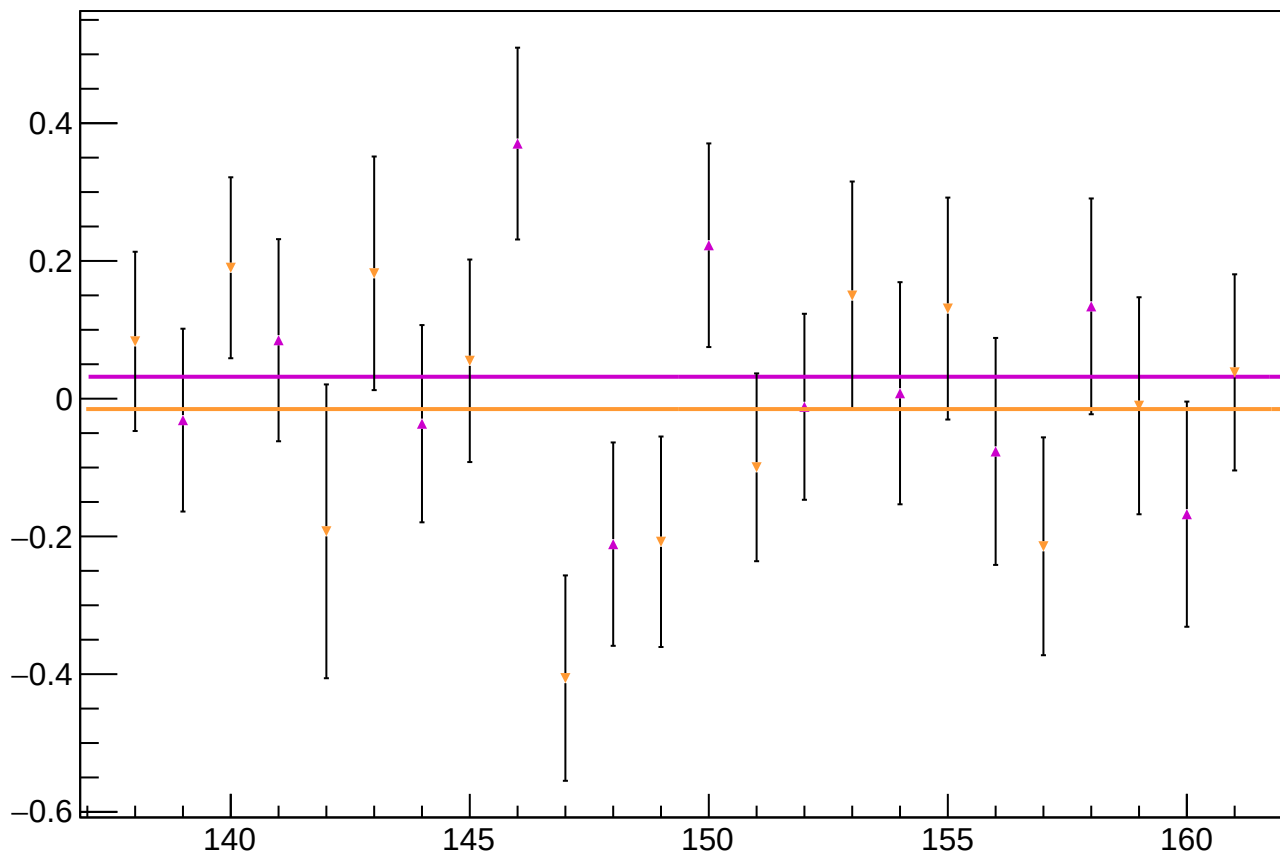
Left In: 0.011 ± 0.001 χ^2/NDF : 10.4/10

-0.010 ± 0.001 χ^2/NDF : 25.6/27

0.001 ± 0.001 χ^2/NDF : 12132.4/56

0.011 ± 0.001 χ^2/NDF : 11902.2/28

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.015 $\pm$ 0.042 χ^2 /NDF:17.7/12

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

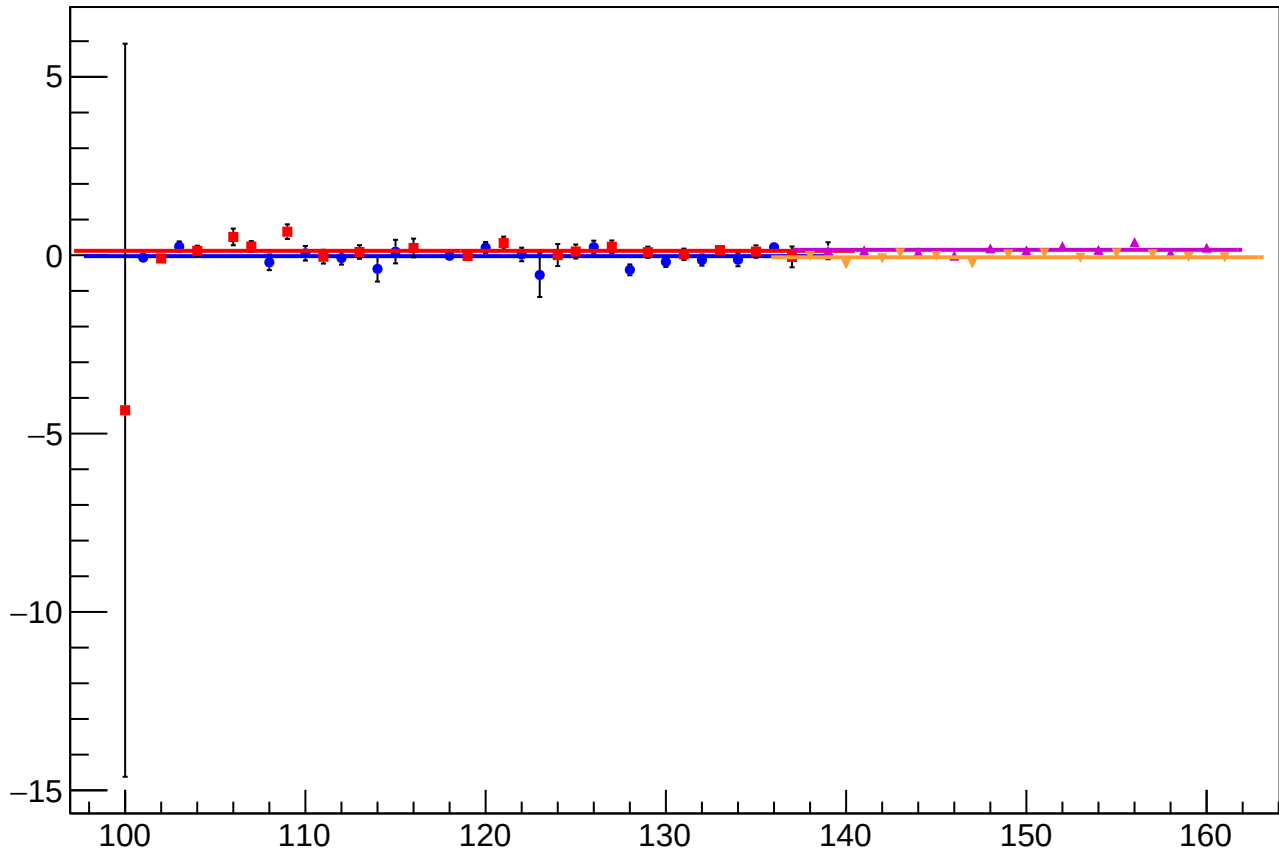
Left In: 0.032 $\pm$ 0.045 χ^2 /NDF:13.3/10

-0.015 $\pm$ 0.042 χ^2 /NDF: 17.7/12

0.007 $\pm$ 0.031 χ^2 /NDF: 31.6/23

0.032 $\pm$ 0.045 χ^2 /NDF: 13.3/10

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.058 ± 0.029 χ^2/NDF : 14.7/12

Right Out: 0.124 ± 0.039 χ^2/NDF : 18.3/18

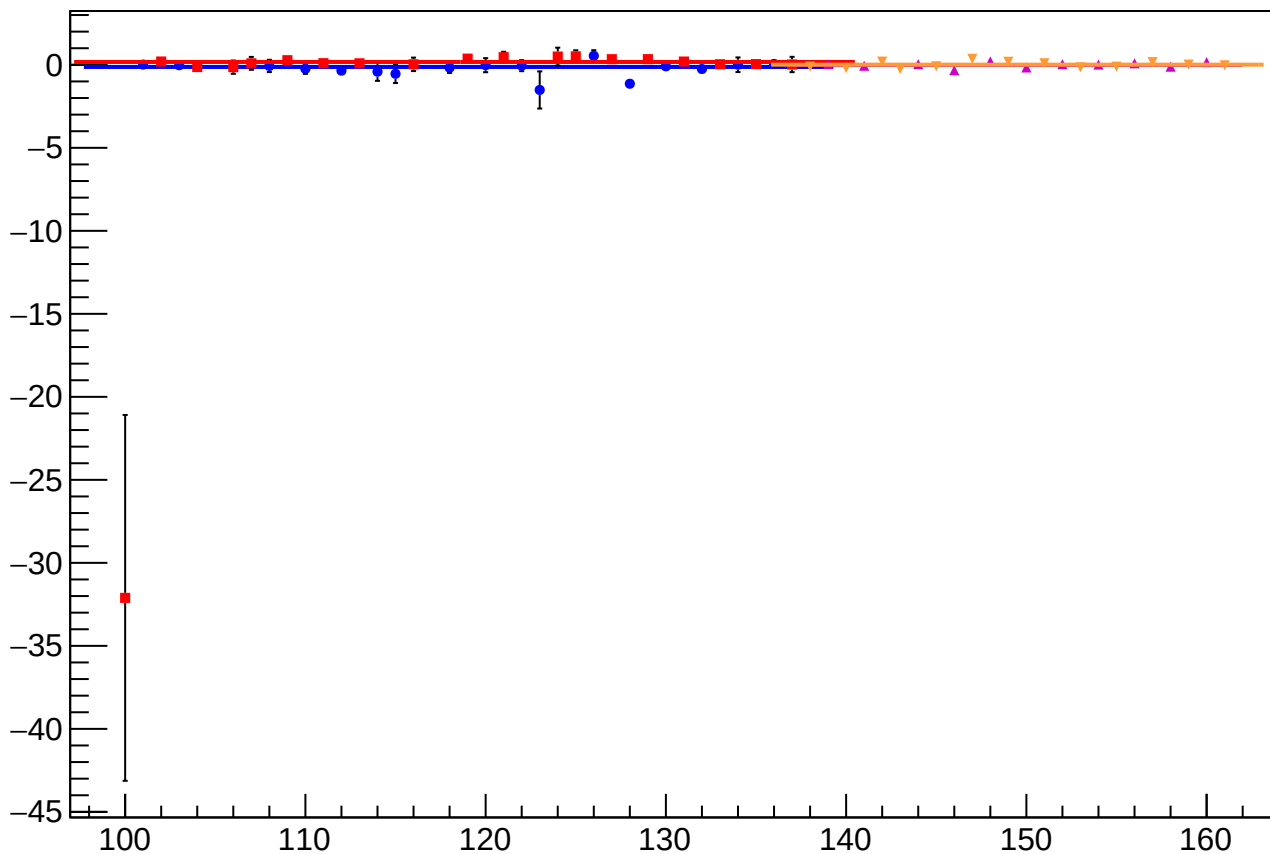
Left In: 0.152 ± 0.031 χ^2/NDF : 10.5/10

-0.046 ± 0.023 χ^2/NDF : 37.9/29

0.042 ± 0.017 χ^2/NDF : 98.8/59

0.141 ± 0.024 χ^2/NDF : 29.1/29

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.009 ± 0.041 χ^2/NDF : 17.3/12

Right Out: 0.172 ± 0.071 χ^2/NDF : 14.9/18

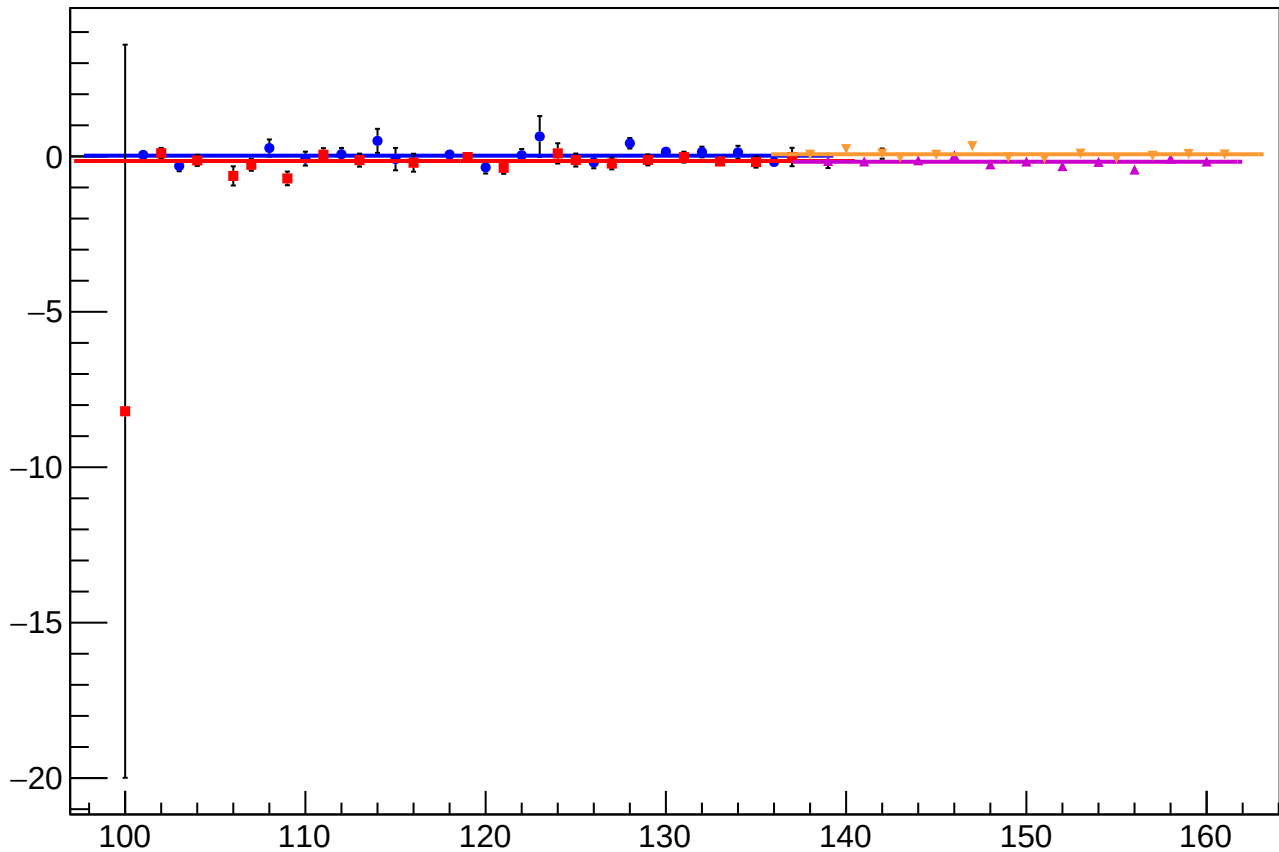
Left In: -0.010 ± 0.043 χ^2/NDF : 11.9/10

-0.029 ± 0.035 χ^2/NDF : 43.5/29

0.004 ± 0.026 χ^2/NDF : 76.9/59

0.040 ± 0.037 χ^2/NDF : 31.6/29

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.069 ± 0.034 χ^2/NDF : 13.3/12

Right Out: -0.148 ± 0.045 χ^2/NDF : 16.6/18

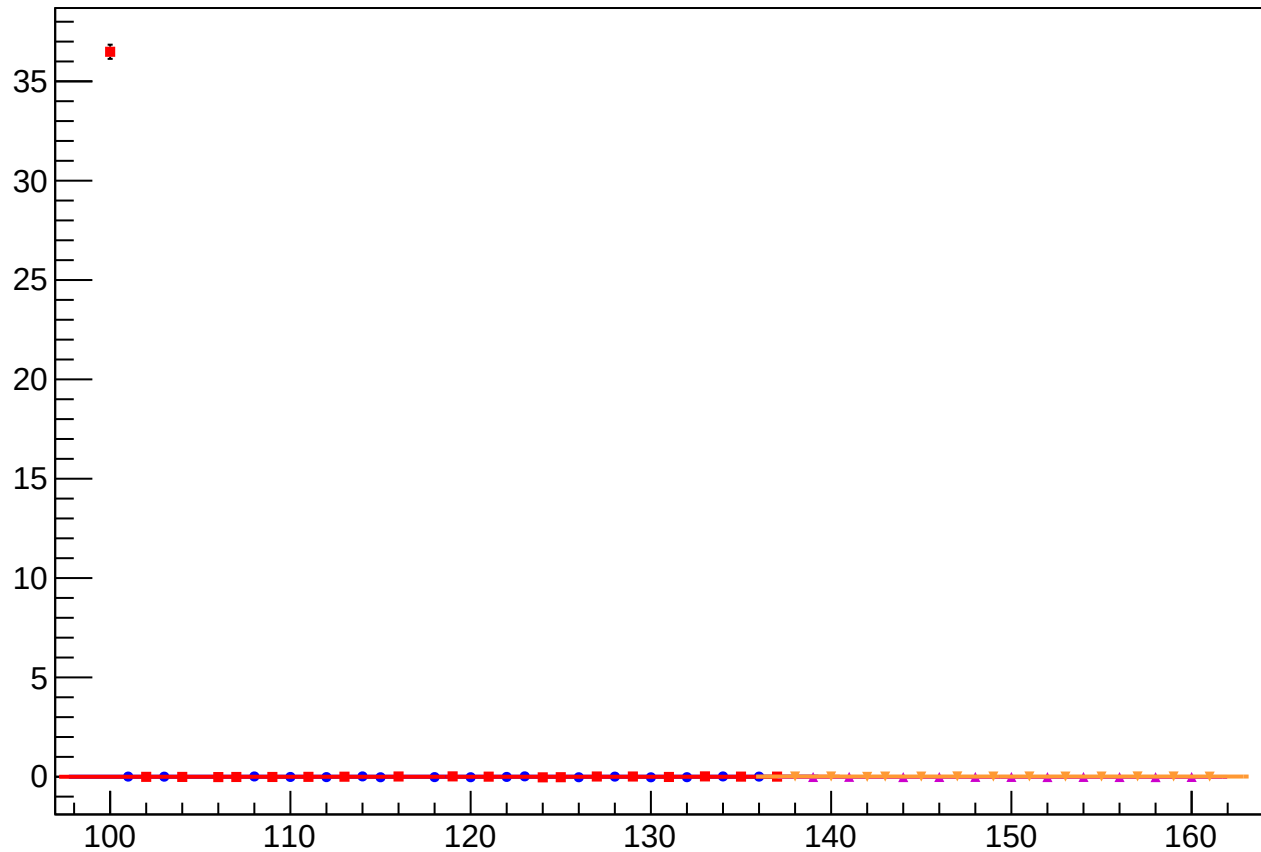
Left In: -0.173 ± 0.036 χ^2/NDF : 10.7/10

0.051 ± 0.027 χ^2/NDF : 35.3/29

-0.049 ± 0.019 χ^2/NDF : 92.9/59

-0.163 ± 0.028 χ^2/NDF : 27.5/29

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: 0.010 $\pm$ 0.002 χ^2 /NDF: 6.5/12

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

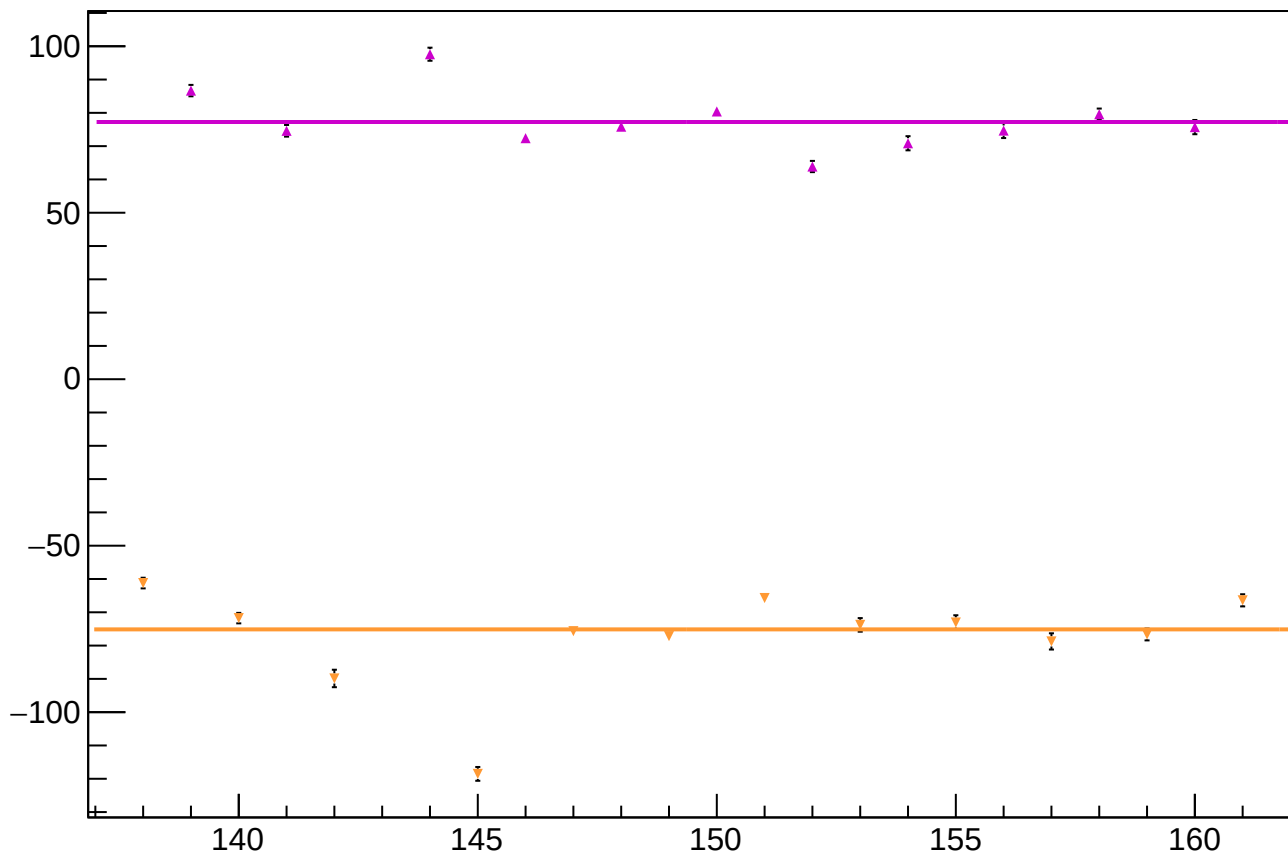
Left In: -0.011 $\pm$ 0.002 χ^2 /NDF: 4.7/10

0.007 $\pm$ 0.001 χ^2 /NDF: 47.5/29

0.000 $\pm$ 0.001 χ^2 /NDF: 10574.7/59

-0.007 $\pm$ 0.001 χ^2 /NDF: 10466.3/29

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -75.134+/-0.509 χ^2/NDF : 619.3/11

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

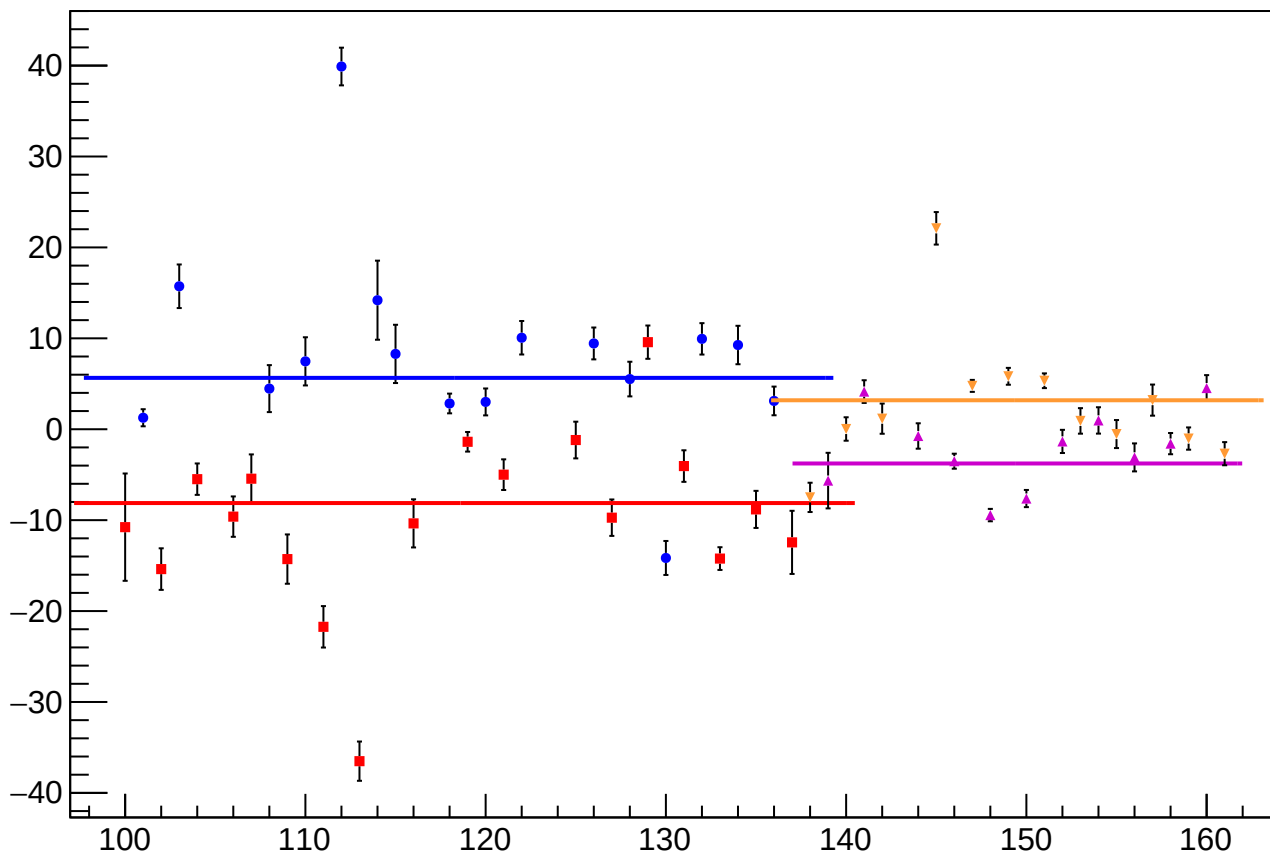
Left In: 77.249+/-0.515 χ^2/NDF : 233.0/10

-75.134+/-0.509 χ^2/NDF : 619.3/11

0.107+/-0.362 χ^2/NDF : 45173.8/22

77.249+/-0.515 χ^2/NDF : 233.0/10

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: 3.187 ± 0.330 χ^2/NDF : 225.8/11

Right Out: -8.119 ± 0.453 χ^2/NDF : 407.9/17

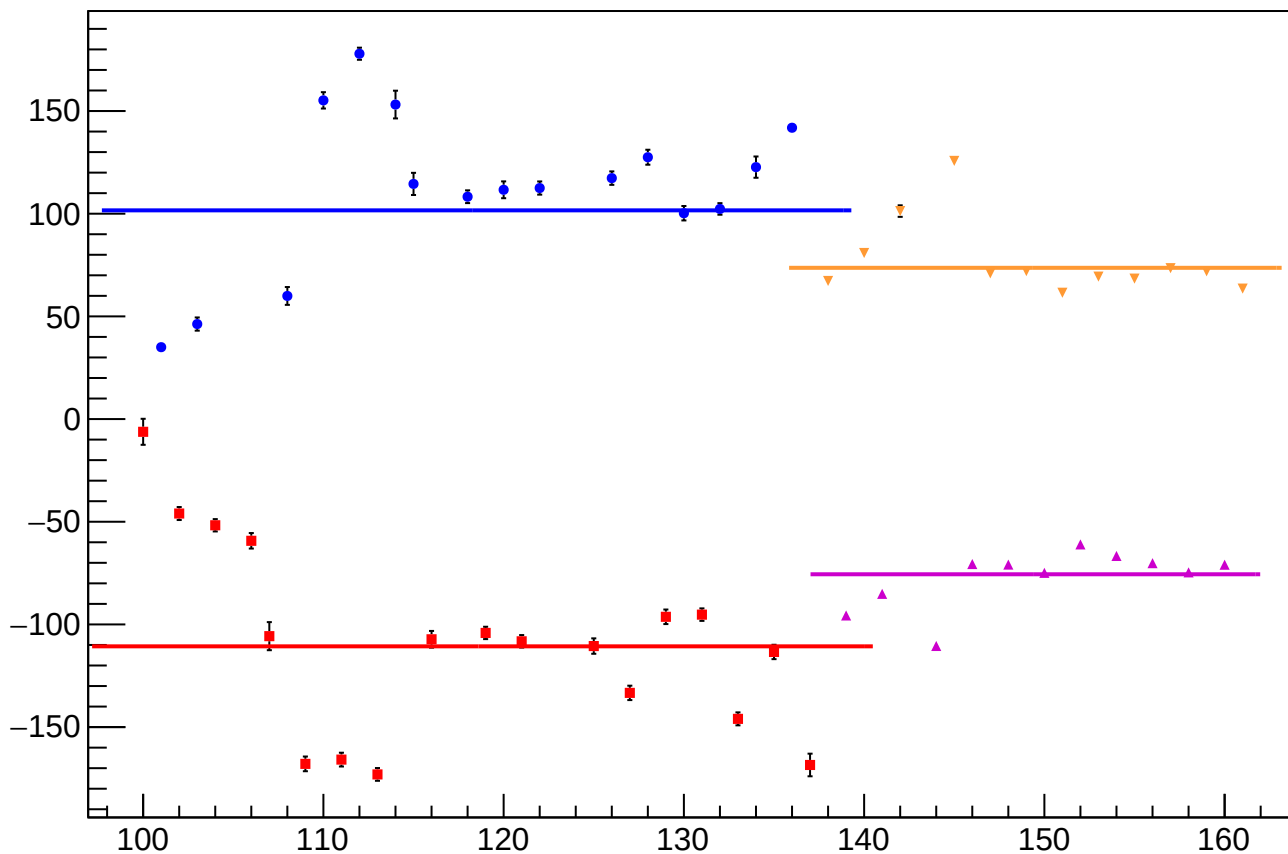
Left In: -3.766 ± 0.338 χ^2/NDF : 183.3/10

4.101 ± 0.261 χ^2/NDF : 708.4/27

-0.444 ± 0.188 χ^2/NDF : 1985.9/56

-5.326 ± 0.271 χ^2/NDF : 650.5/28

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 $\pm$ 0.812 χ^2/NDF : 2980.2/15

Left Out: 73.652 $\pm$ 0.494 χ^2/NDF : 840.7/11

Right Out: -110.669 $\pm$ 0.836 χ^2/NDF : 2514.0/17

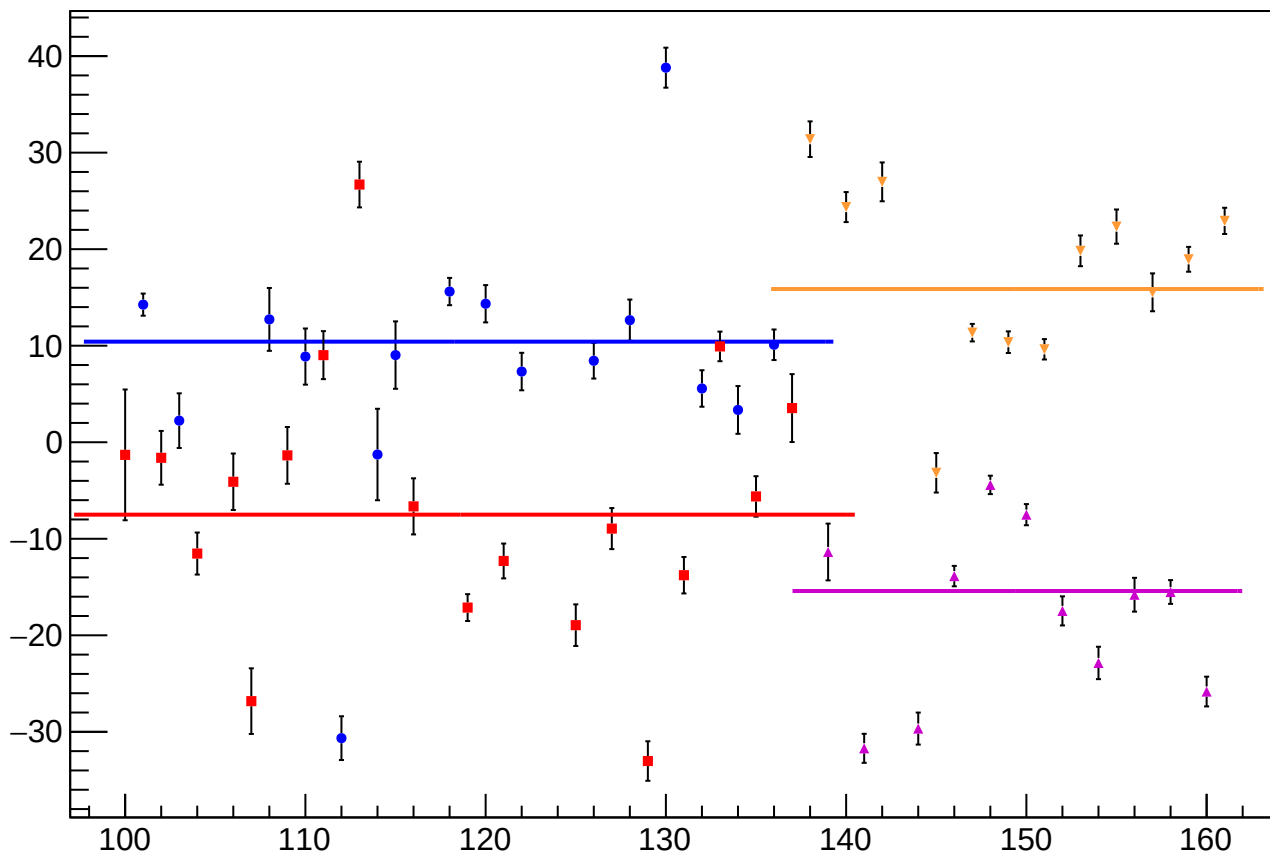
Left In: -75.577 $\pm$ 0.498 χ^2/NDF : 558.9/10

81.209 $\pm$ 0.422 χ^2/NDF : 4687.3/27

-0.646 $\pm$ 0.300 χ^2/NDF : 85331.9/56

-84.766 $\pm$ 0.428 χ^2/NDF : 4373.3/28

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 15.874 ± 0.401 $\chi^2/\text{NDF}: 353.7/11$

Right Out: -7.502 ± 0.523 $\chi^2/\text{NDF}: 689.4/17$

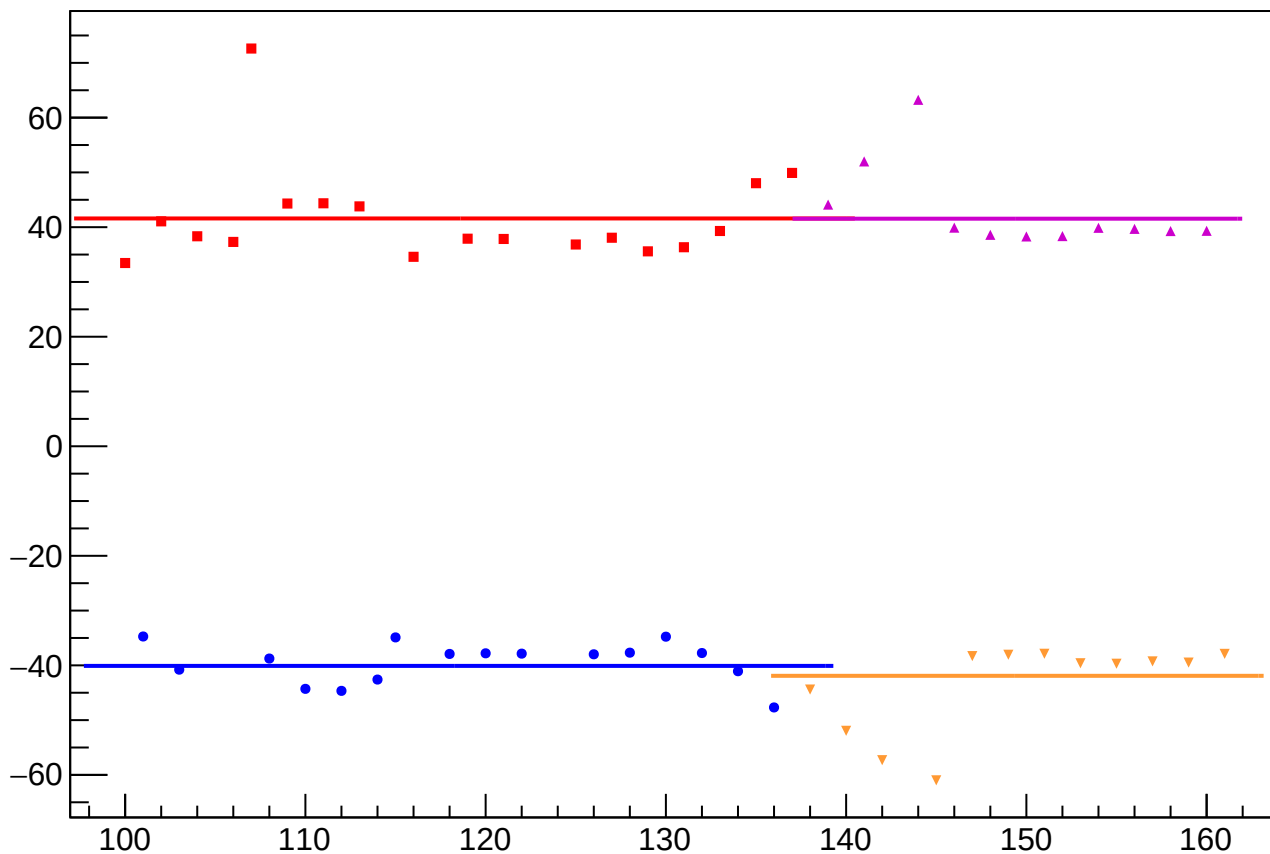
Left In: -15.412 ± 0.410 $\chi^2/\text{NDF}: 447.7/10$

13.725 ± 0.312 $\chi^2/\text{NDF}: 1006.3/27$

1.090 ± 0.224 $\chi^2/\text{NDF}: 5671.1/56$

-12.404 ± 0.323 $\chi^2/\text{NDF}: 1278.8/28$

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: -41.911 $\pm$ 0.020 χ^2/NDF : 109706.6/11

Right Out: 41.592 $\pm$ 0.029 χ^2/NDF : 61677.7/17

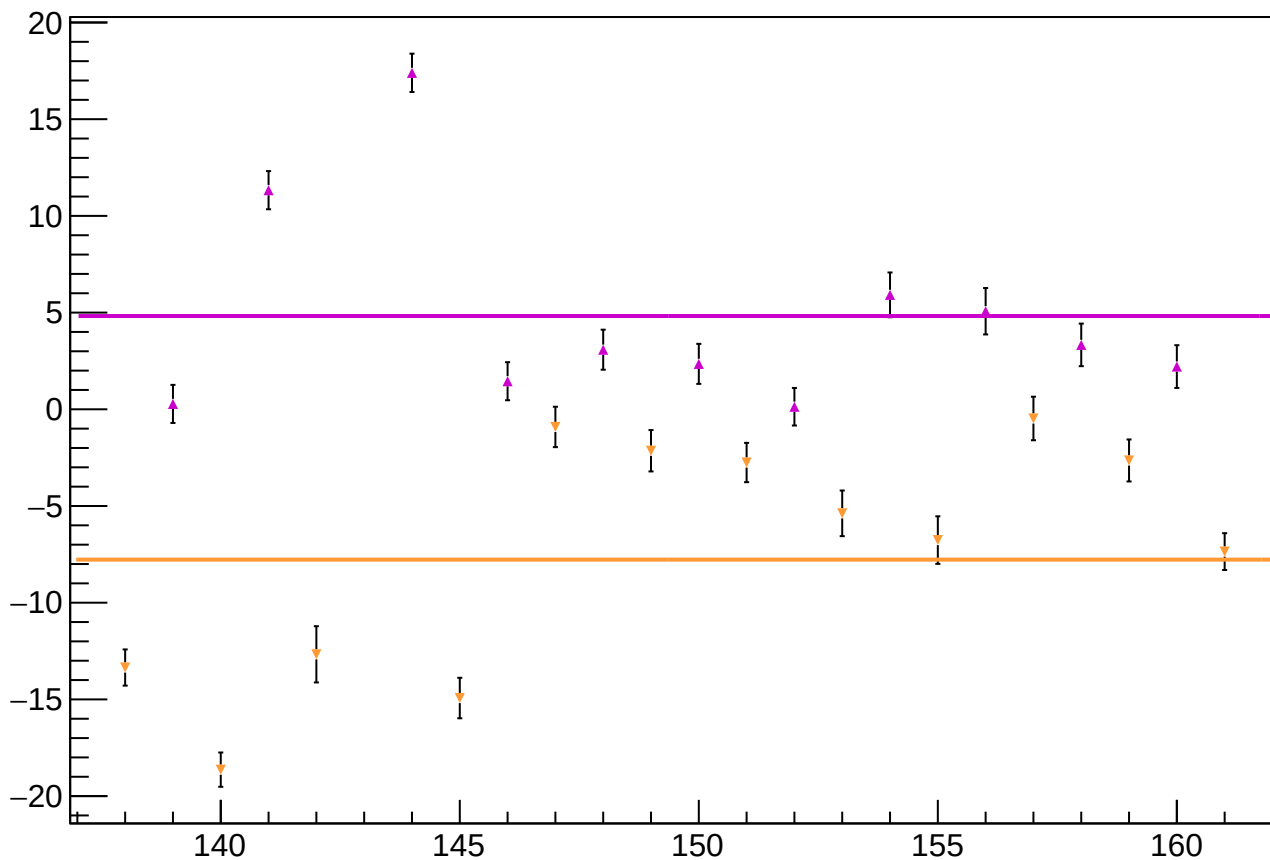
Left In: 41.550 $\pm$ 0.020 χ^2/NDF : 89288.7/10

-41.317 $\pm$ 0.016 χ^2/NDF : 137535.5/27

0.102 $\pm$ 0.011 χ^2/NDF : 13363211.1/56

41.564 $\pm$ 0.016 χ^2/NDF : 150967.9/28

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -7.773 ± 0.306 $\chi^2/\text{NDF}: 408.2/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

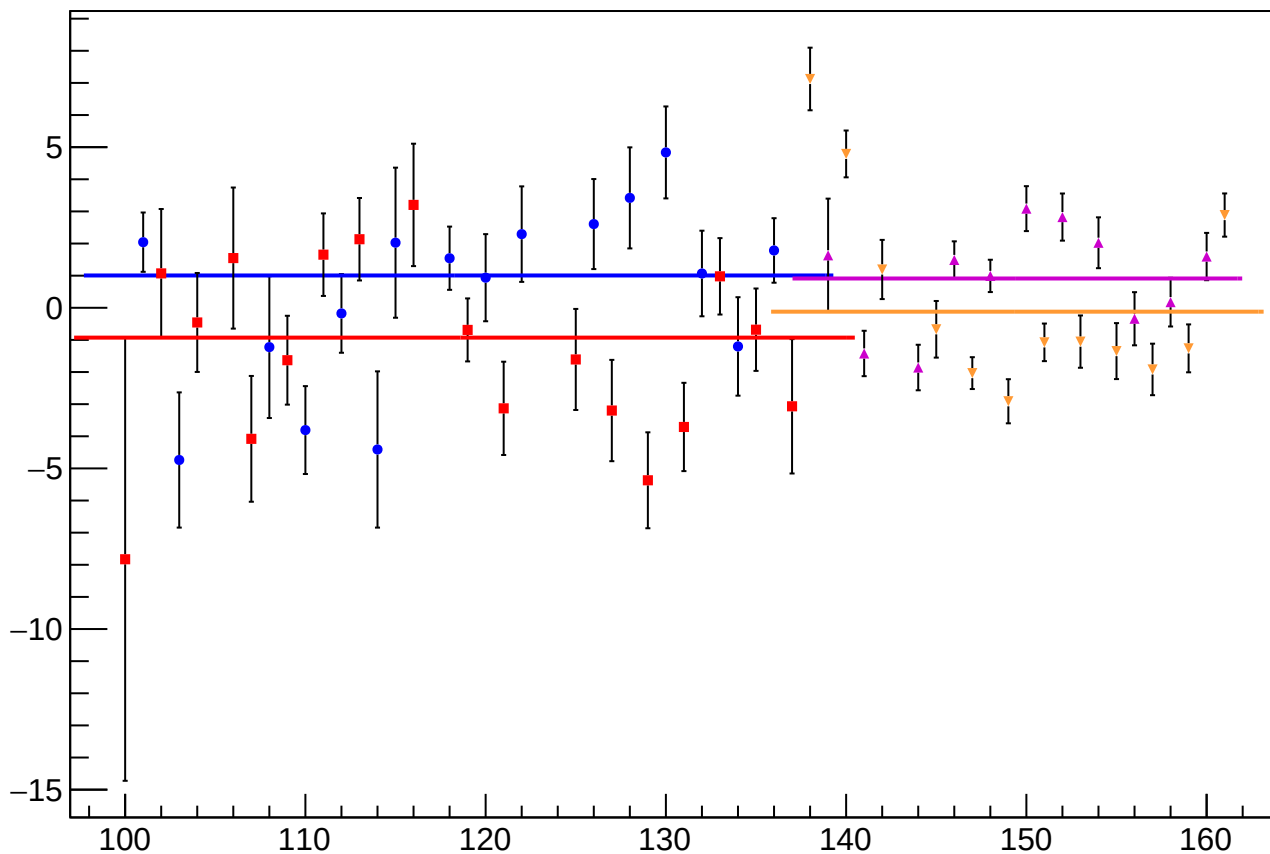
Left In: 4.823 ± 0.314 $\chi^2/\text{NDF}: 277.5/10$

-7.773 ± 0.306 $\chi^2/\text{NDF}: 408.2/11$

-1.645 ± 0.219 $\chi^2/\text{NDF}: 1510.3/22$

4.823 ± 0.314 $\chi^2/\text{NDF}: 277.5/10$

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: -0.121 ± 0.209 χ^2/NDF : 167.8/11

Right Out: -0.929 ± 0.353 χ^2/NDF : 41.9/17

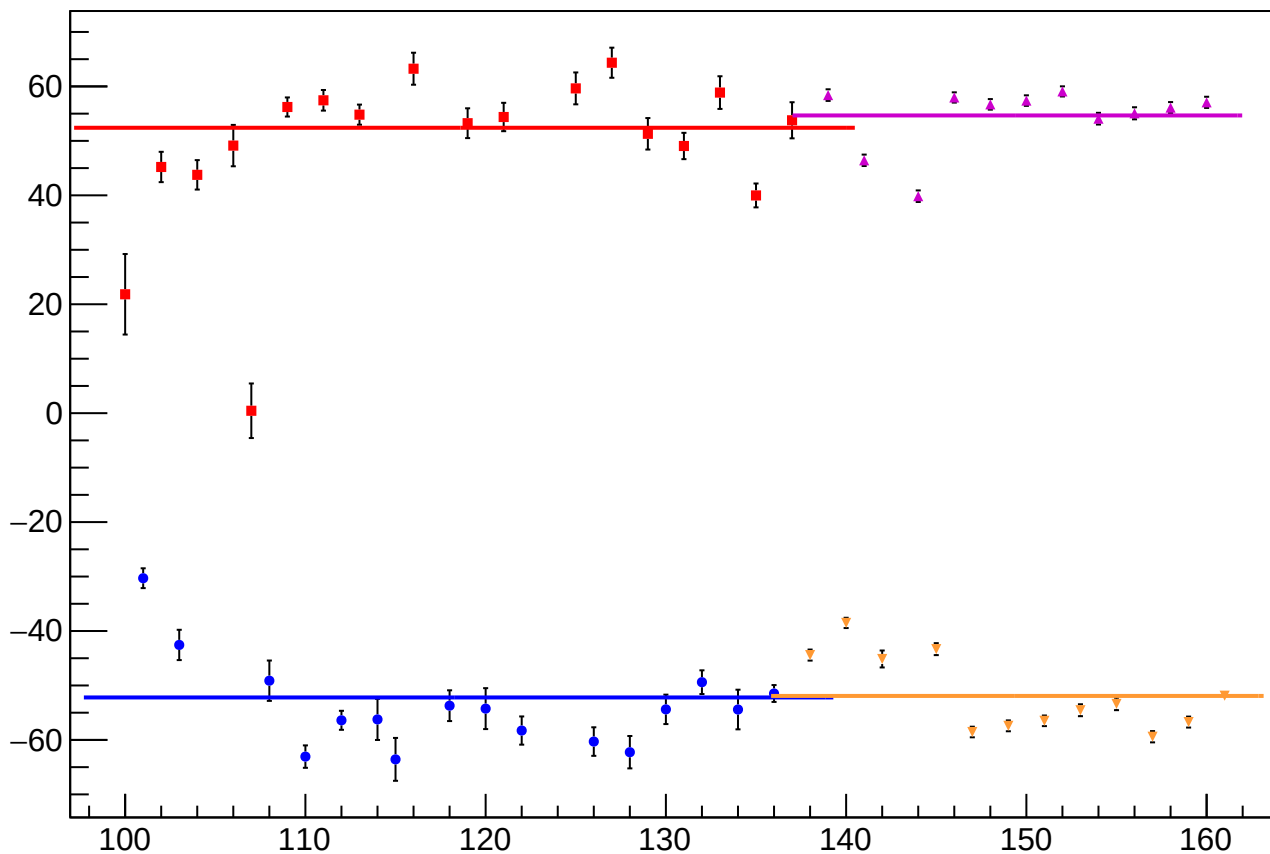
Left In: 0.912 ± 0.214 χ^2/NDF : 49.9/10

0.186 ± 0.178 χ^2/NDF : 218.4/27

0.298 ± 0.128 χ^2/NDF : 330.9/56

0.417 ± 0.183 χ^2/NDF : 111.6/28

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: -51.921 ± 0.299 χ^2/NDF : 517.1/11

Right Out: 52.407 ± 0.616 χ^2/NDF : 233.9/17

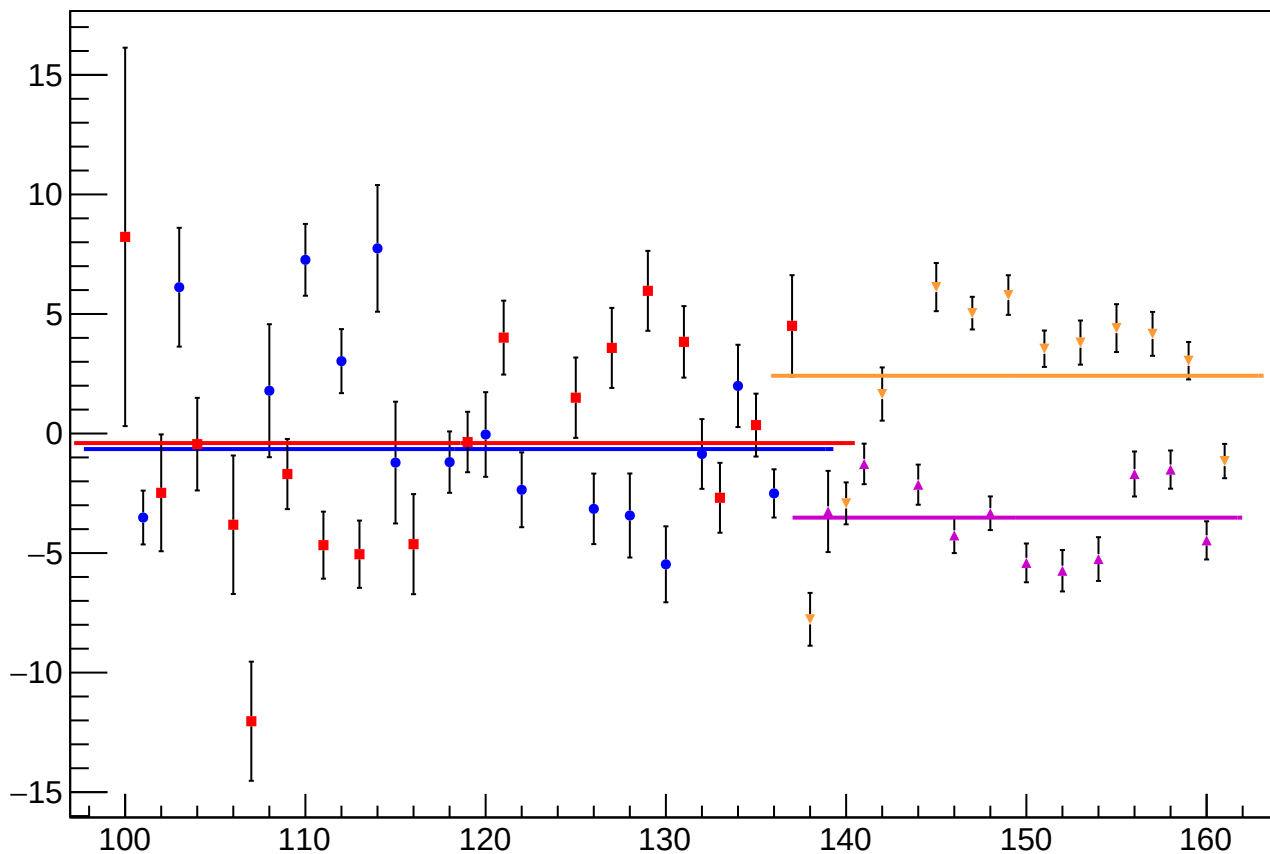
Left In: 54.669 ± 0.306 χ^2/NDF : 324.3/10

-51.975 ± 0.269 χ^2/NDF : 747.9/27

0.161 ± 0.192 χ^2/NDF : 77748.6/56

54.221 ± 0.274 χ^2/NDF : 569.0/28

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: 2.417 ± 0.249 χ^2/NDF : 204.8/11

Right Out: -0.400 ± 0.399 χ^2/NDF : 95.9/17

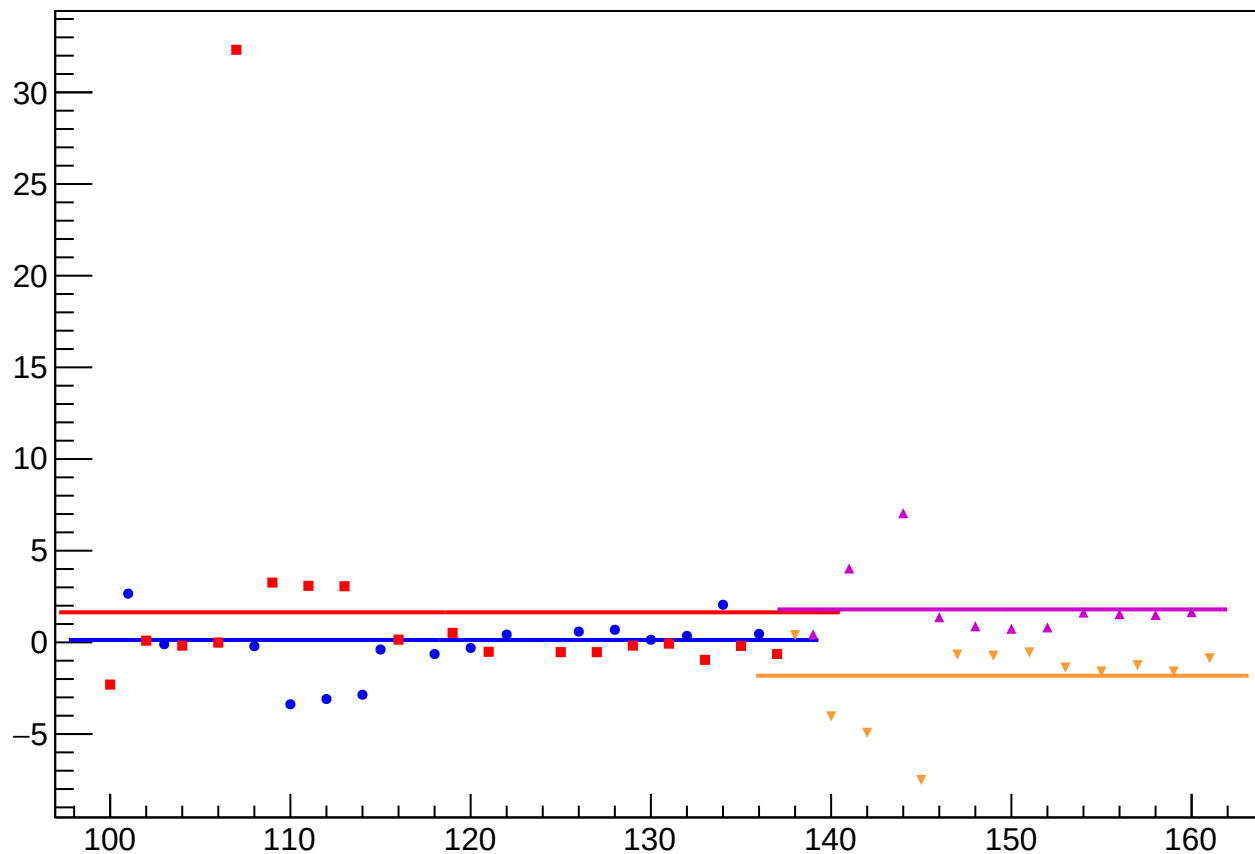
Left In: -3.518 ± 0.256 χ^2/NDF : 37.9/10

1.519 ± 0.209 χ^2/NDF : 331.2/27

-0.488 ± 0.150 χ^2/NDF : 697.8/56

-2.613 ± 0.215 χ^2/NDF : 177.1/28

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.819 ± 0.012 $\chi^2/\text{NDF}: 29307.5/11$

Right Out: 1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$

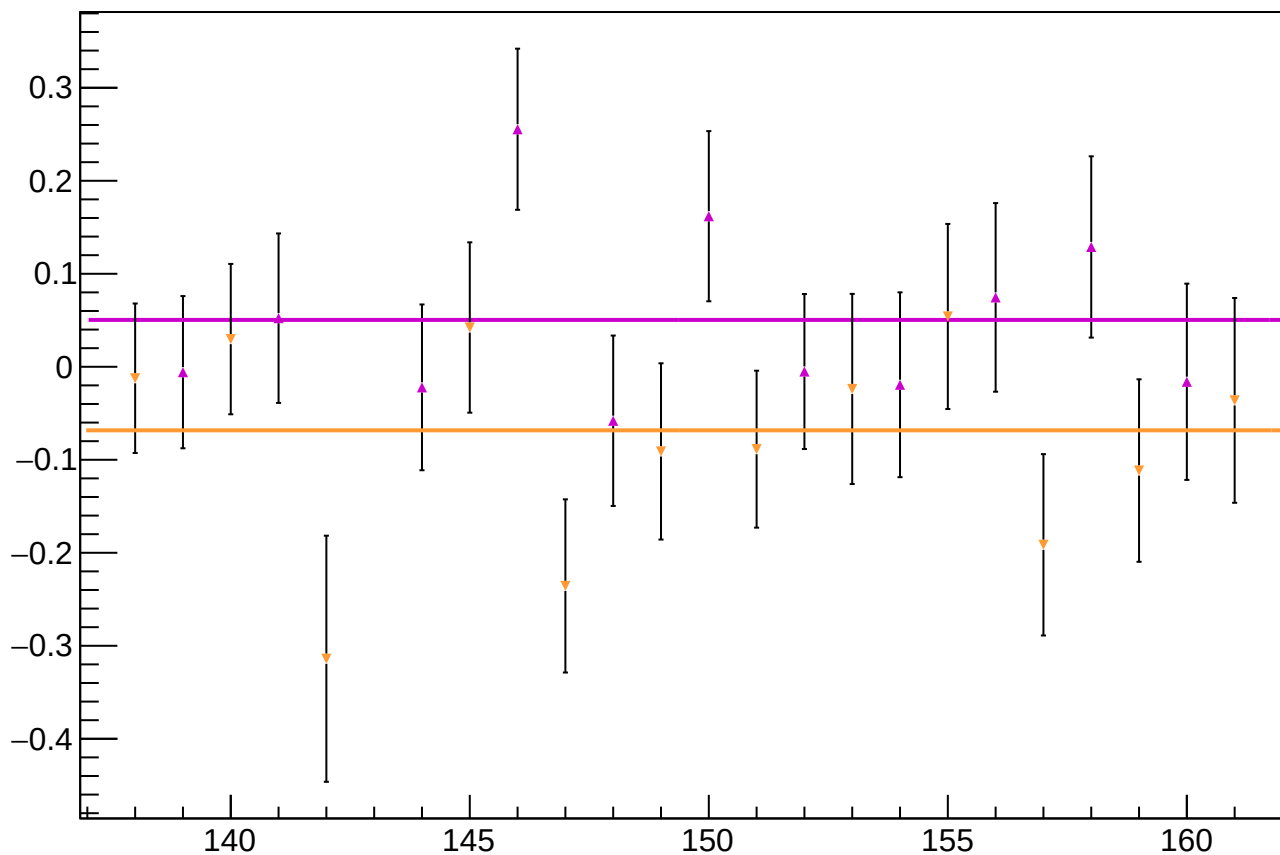
Left In: 1.798 ± 0.012 $\chi^2/\text{NDF}: 19007.3/10$

-1.377 ± 0.010 $\chi^2/\text{NDF}: 40888.9/27$

0.164 ± 0.007 $\chi^2/\text{NDF}: 183689.7/56$

1.762 ± 0.010 $\chi^2/\text{NDF}: 96897.2/28$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.068 $\pm$ 0.027 χ^2 /NDF:13.8/11

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

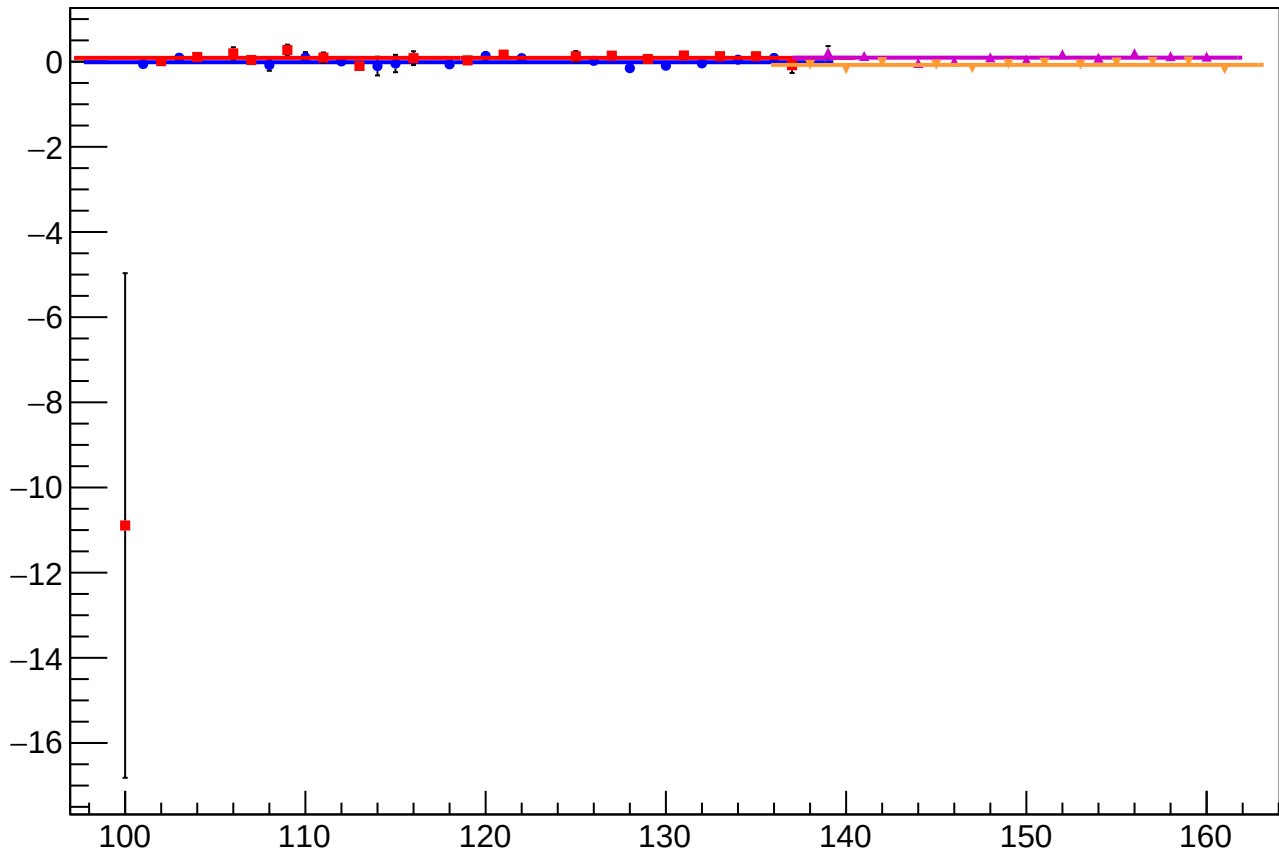
Left In: 0.050 $\pm$ 0.028 χ^2 /NDF:11.7/10

-0.068 $\pm$ 0.027 χ^2 /NDF: 13.8/11

-0.010 $\pm$ 0.019 χ^2 /NDF: 34.8/22

0.050 $\pm$ 0.028 χ^2 /NDF: 11.7/10

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: -0.075 ± 0.019 χ^2/NDF : 12.1/11

Right Out: 0.089 ± 0.025 χ^2/NDF : 13.0/17

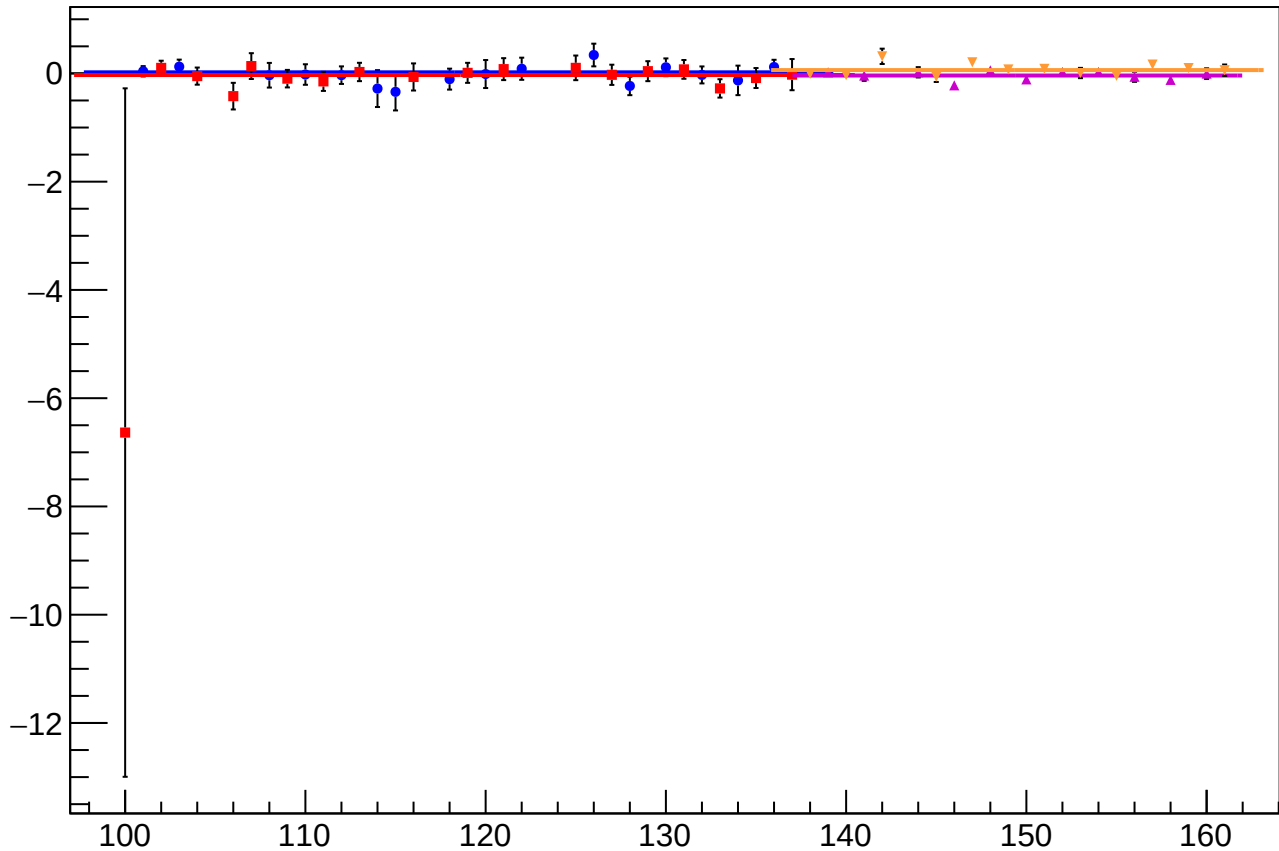
Left In: 0.094 ± 0.019 χ^2/NDF : 12.4/10

-0.051 ± 0.015 χ^2/NDF : 28.1/27

0.018 ± 0.010 χ^2/NDF : 100.3/56

0.092 ± 0.015 χ^2/NDF : 25.4/28

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.061 ± 0.027 χ^2/NDF : 12.7/11

Right Out: -0.030 ± 0.045 χ^2/NDF : 9.2/17

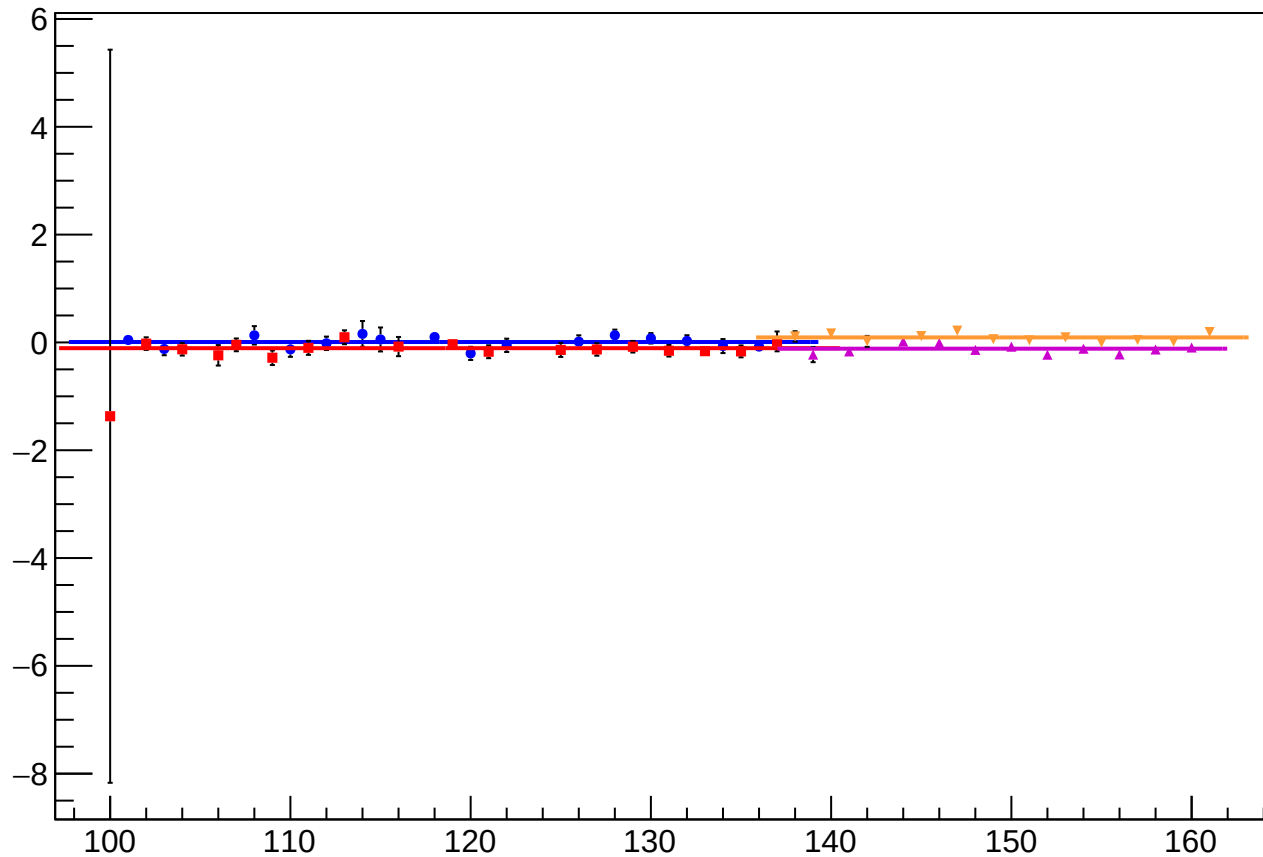
Left In: -0.039 ± 0.027 χ^2/NDF : 9.8/10

0.050 ± 0.023 χ^2/NDF : 22.4/27

0.007 ± 0.016 χ^2/NDF : 48.5/56

-0.037 ± 0.023 χ^2/NDF : 19.0/28

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: 0.093 ± 0.022 χ^2/NDF : 11.2/11

Right Out: -0.107 ± 0.029 χ^2/NDF : 8.2/17

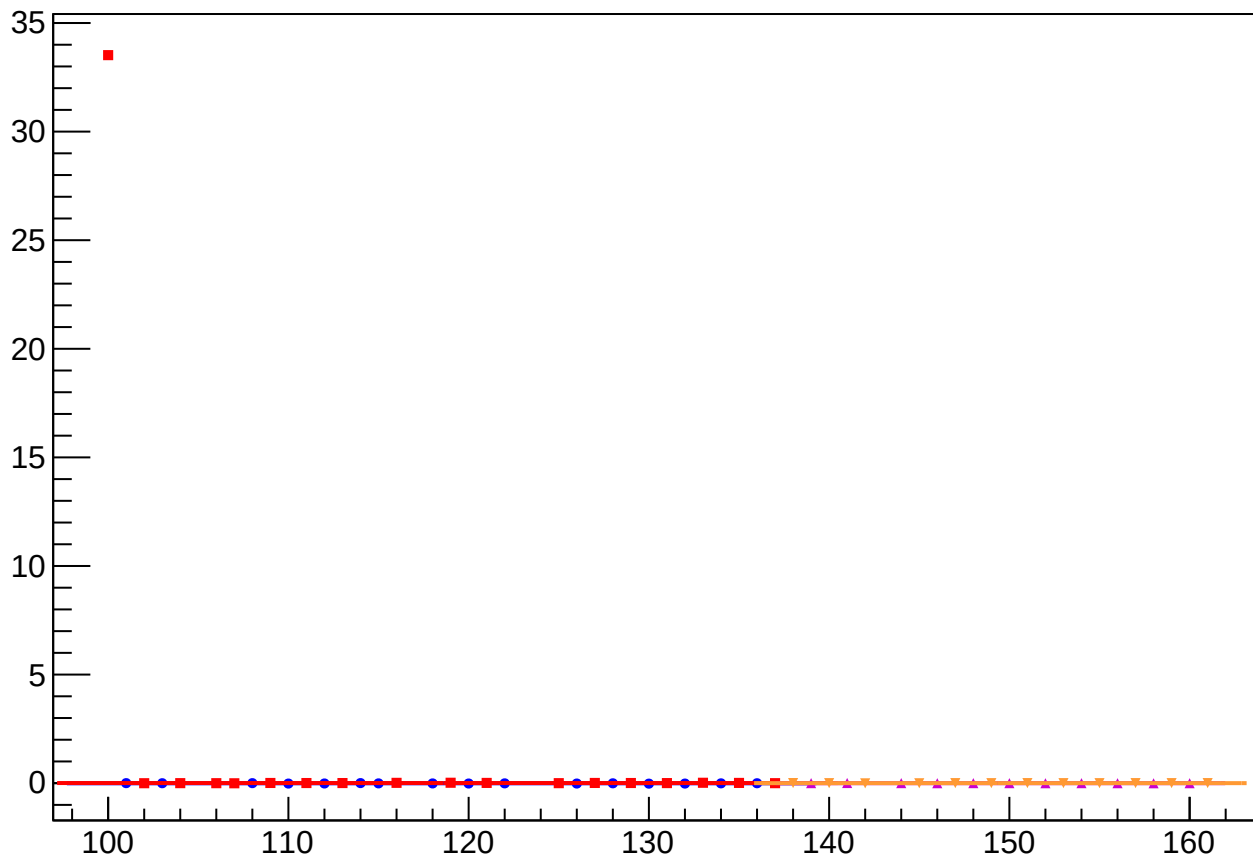
Left In: -0.116 ± 0.023 χ^2/NDF : 11.3/10

0.058 ± 0.017 χ^2/NDF : 28.3/27

-0.024 ± 0.012 χ^2/NDF : 95.6/56

-0.113 ± 0.018 χ^2/NDF : 19.5/28

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 ± 0.001 χ^2/NDF : 7.3/11

Right Out: 0.006 ± 0.001 χ^2/NDF : 26508.7/17

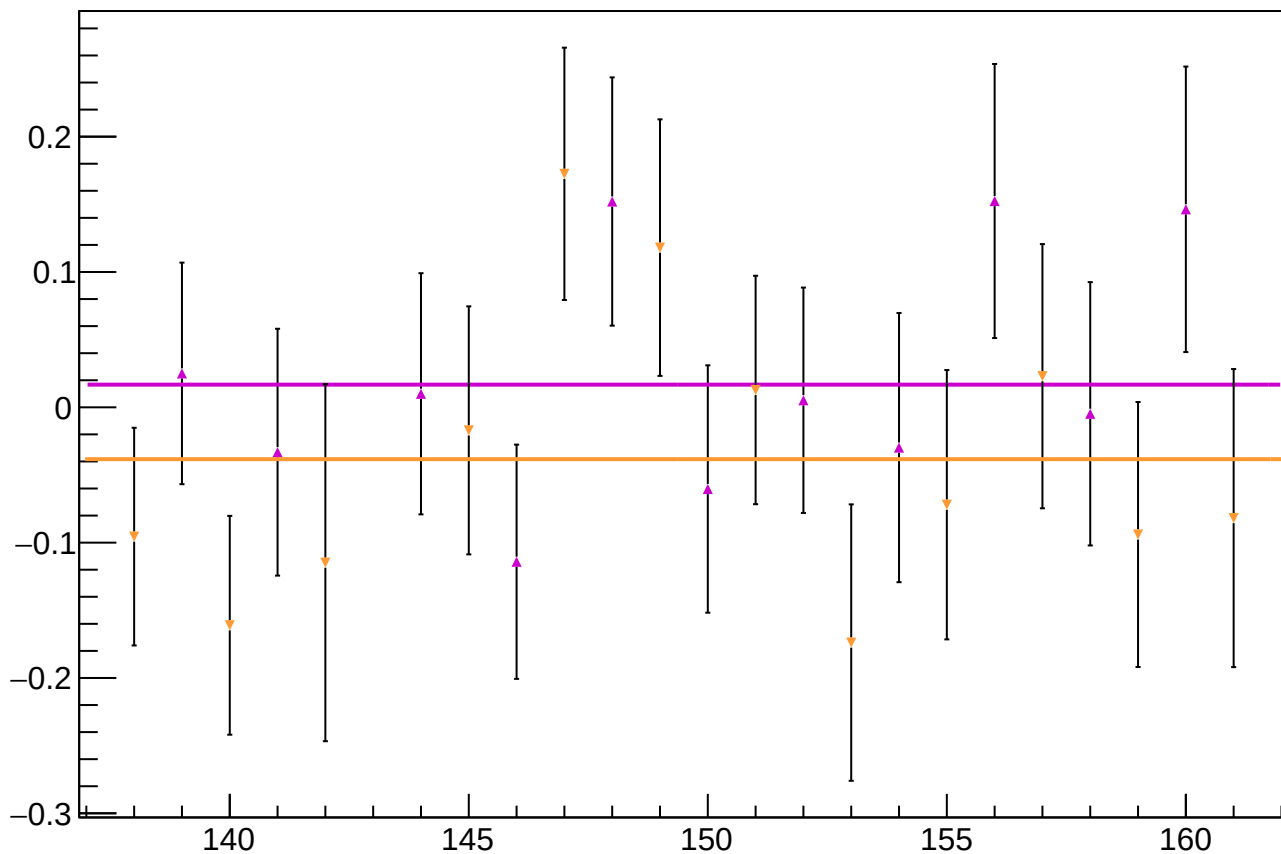
Left In: -0.000 ± 0.001 χ^2/NDF : 7.5/10

-0.001 ± 0.001 χ^2/NDF : 42.6/27

0.000 ± 0.001 χ^2/NDF : 26576.0/56

0.002 ± 0.001 χ^2/NDF : 26527.5/28

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.038 $\pm$ 0.027 χ^2 /NDF:14.2/11

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

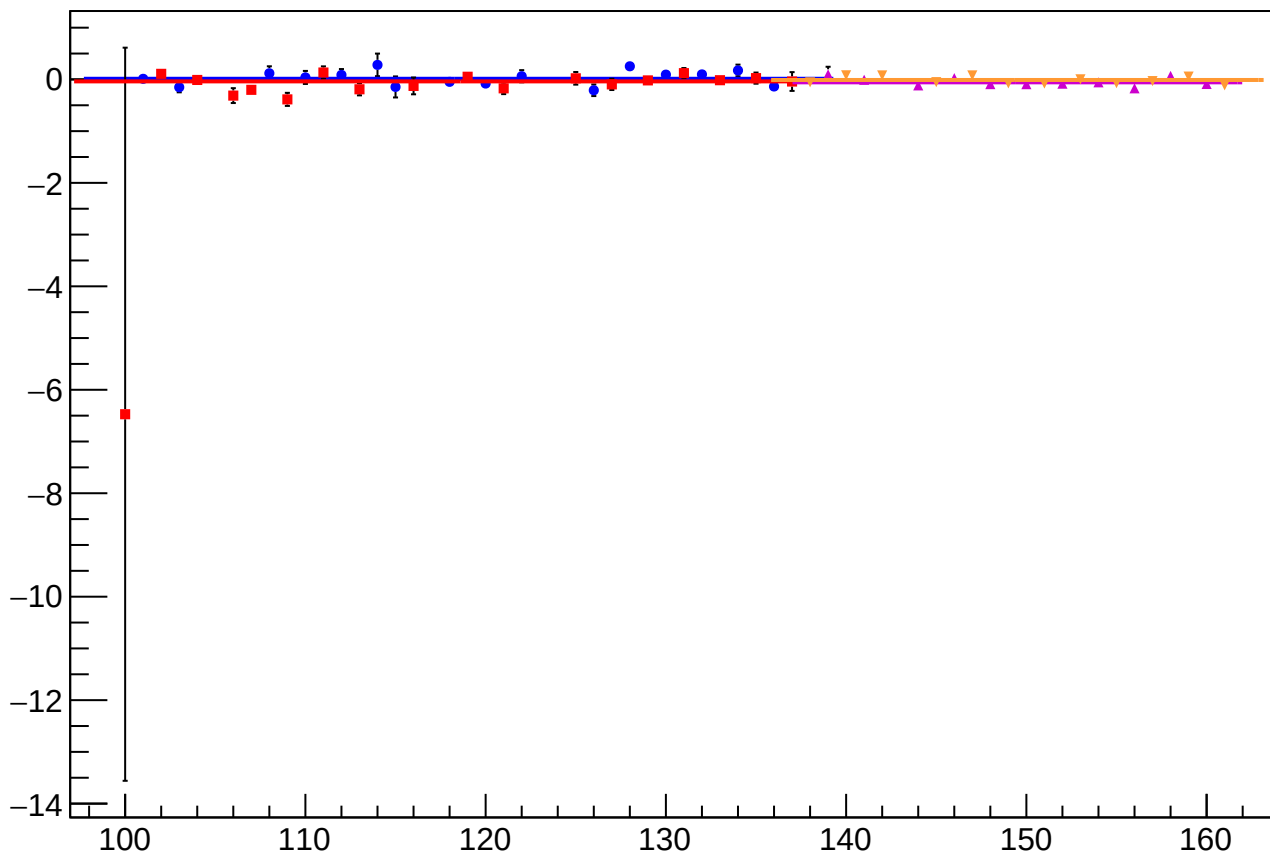
Left In: 0.017 $\pm$ 0.028 χ^2 /NDF:9.1/10

-0.038 $\pm$ 0.027 χ^2 /NDF: 14.2/11

-0.011 $\pm$ 0.019 χ^2 /NDF: 25.2/22

0.017 $\pm$ 0.028 χ^2 /NDF: 9.1/10

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.011 ± 0.019 χ^2/NDF : 14.3/11

Right Out: -0.038 ± 0.025 χ^2/NDF : 28.4/17

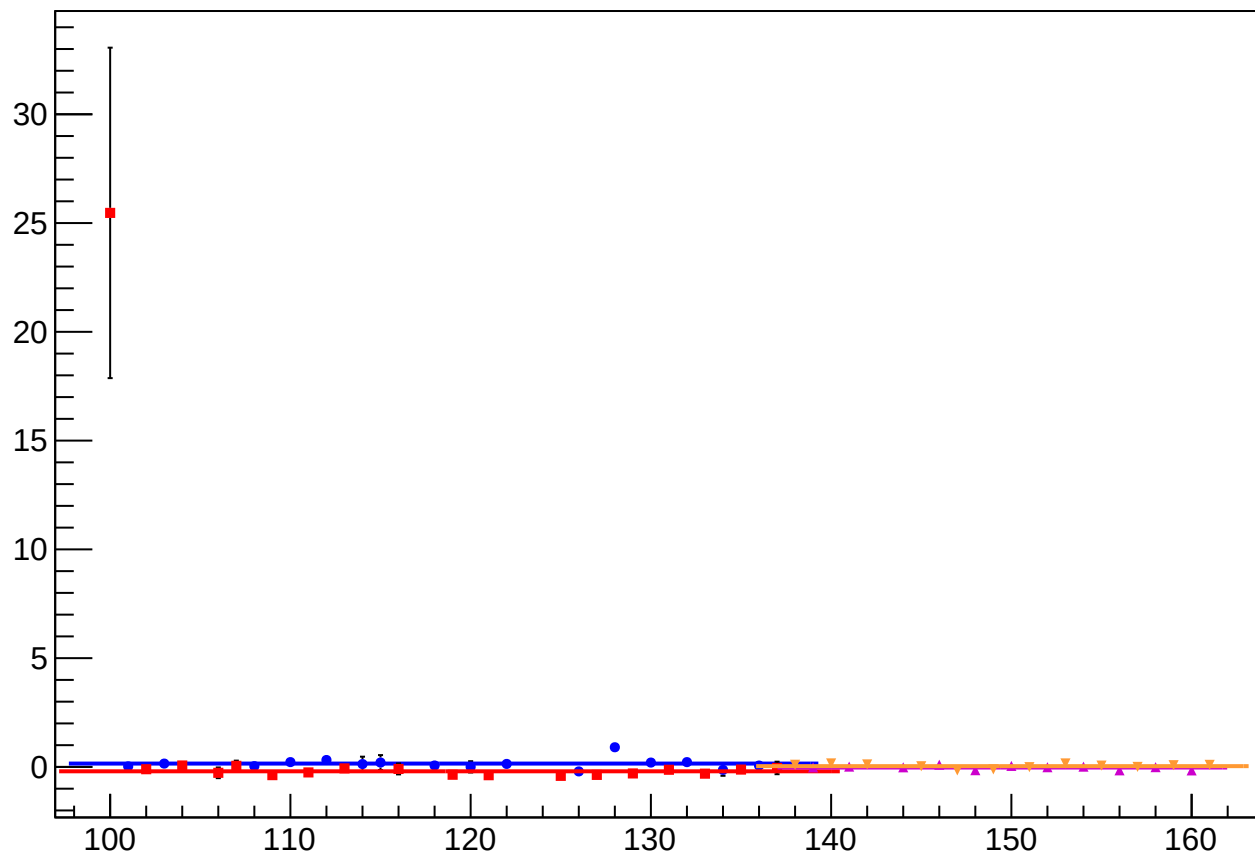
Left In: -0.057 ± 0.019 χ^2/NDF : 12.5/10

-0.002 ± 0.015 χ^2/NDF : 39.9/27

-0.025 ± 0.010 χ^2/NDF : 86.5/56

-0.050 ± 0.015 χ^2/NDF : 41.3/28

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: 0.036 ± 0.027 χ^2/NDF : 13.7/11

Right Out: -0.201 ± 0.045 χ^2/NDF : 22.6/17

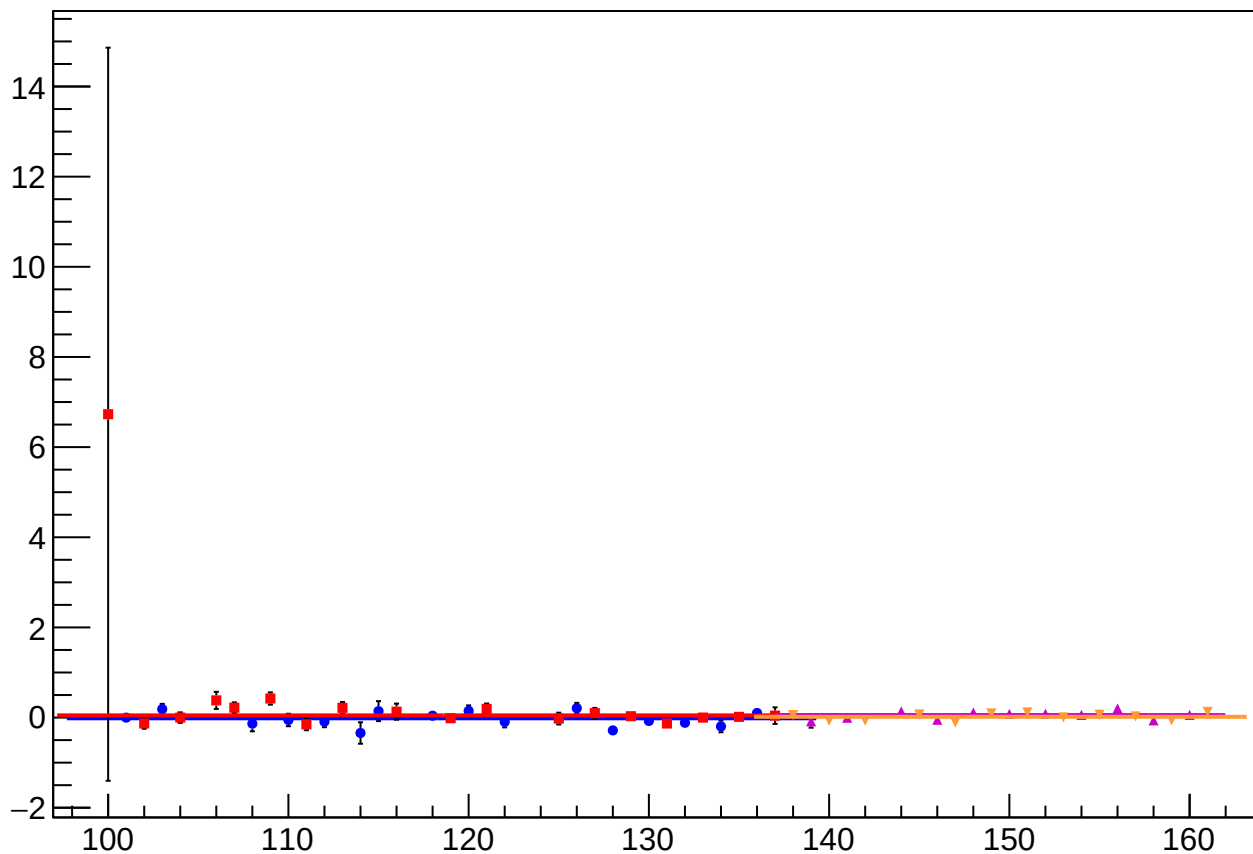
Left In: -0.027 ± 0.027 χ^2/NDF : 9.4/10

0.069 ± 0.023 χ^2/NDF : 47.2/27

-0.001 ± 0.016 χ^2/NDF : 109.3/56

-0.073 ± 0.023 χ^2/NDF : 42.9/28

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: 0.017 ± 0.022 χ^2/NDF : 13.4/11

Right Out: 0.048 ± 0.029 χ^2/NDF : 25.9/17

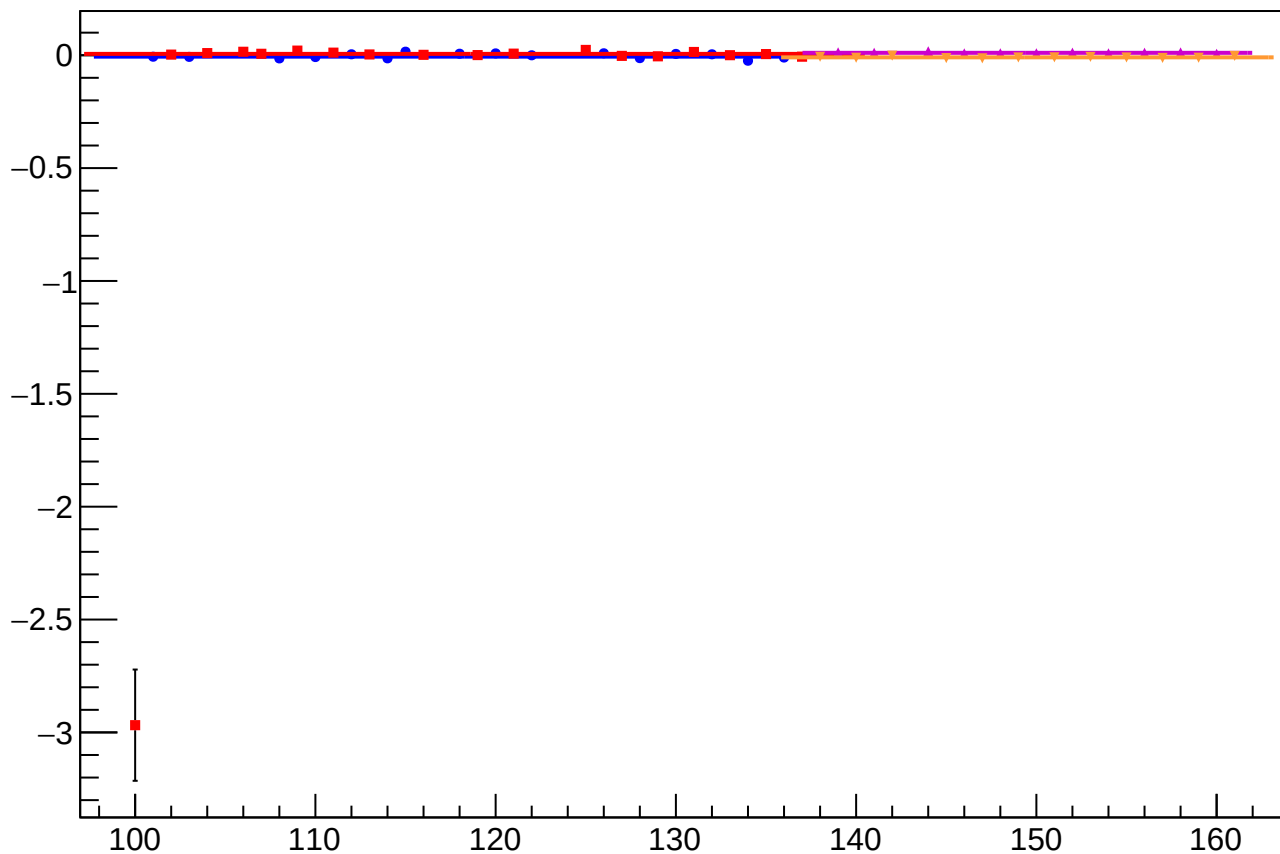
Left In: 0.055 ± 0.023 χ^2/NDF : 12.5/10

0.004 ± 0.017 χ^2/NDF : 38.6/27

0.027 ± 0.012 χ^2/NDF : 81.0/56

0.053 ± 0.018 χ^2/NDF : 38.5/28

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: -0.009+/-0.001 χ^2/NDF : 8.5/11

Right Out: 0.006+/-0.001 χ^2/NDF : 165.9/17

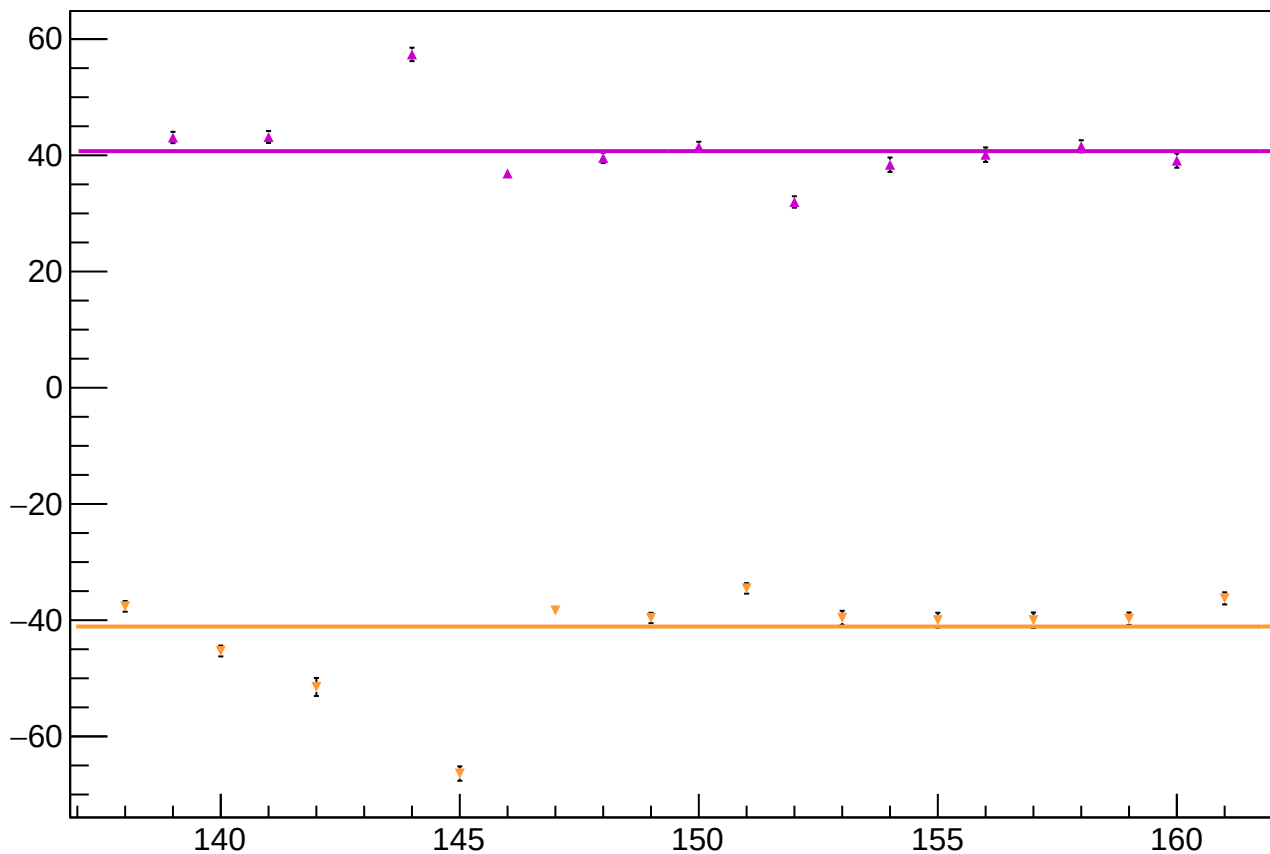
Left In: 0.011+/-0.001 χ^2/NDF : 6.4/10

-0.008+/-0.001 χ^2/NDF : 39.1/27

0.000+/-0.001 χ^2/NDF : 428.7/56

0.009+/-0.001 χ^2/NDF : 179.1/28

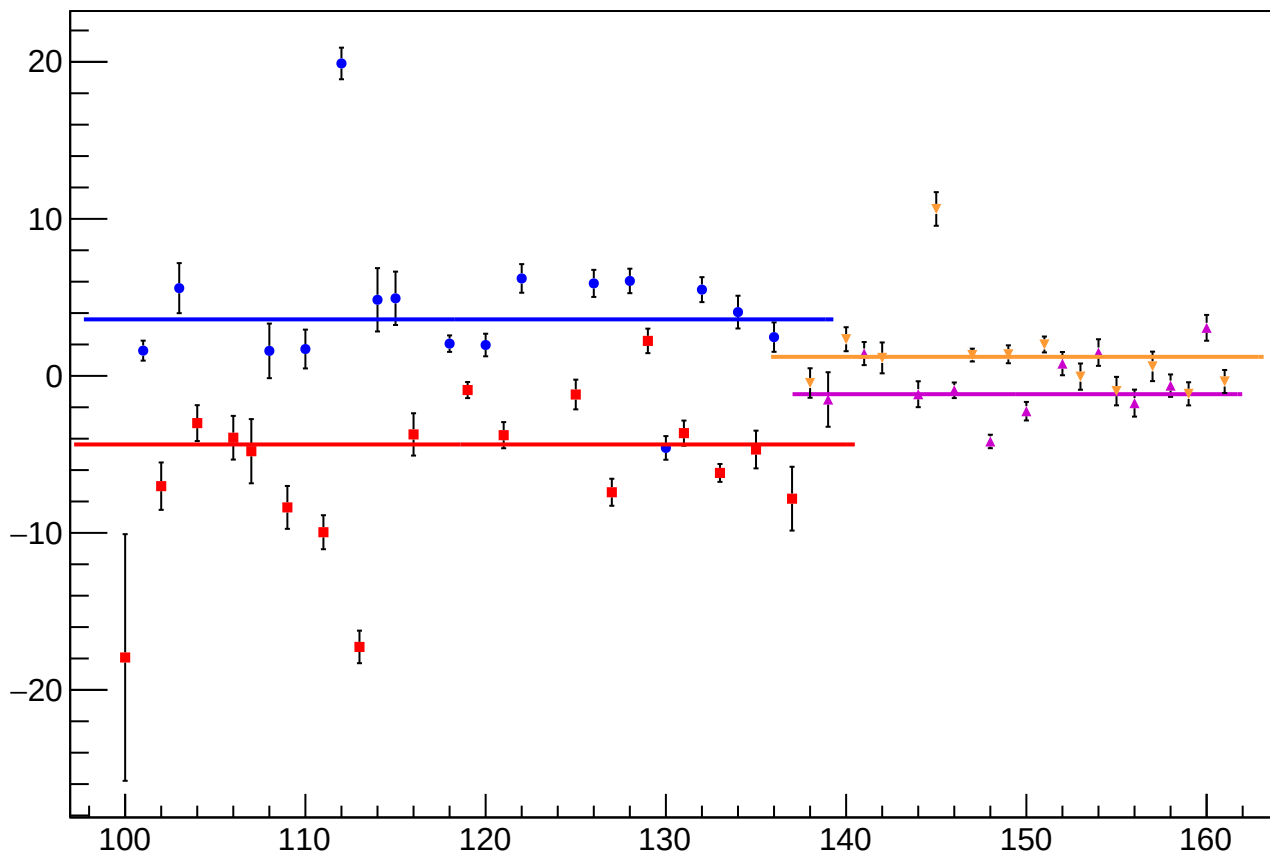
reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -41.092+/-0.303 χ^2/NDF :587.9/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 40.720+/-0.307 χ^2/NDF :325.7/10

-41.092+/-0.303 χ^2/NDF : 587.9/11
 -0.676+/-0.216 χ^2/NDF : 36865.2/22
 40.720+/-0.307 χ^2/NDF : 325.7/10

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: 1.212 ± 0.199 χ^2/NDF : 108.5/11

Right Out: -4.367 ± 0.225 χ^2/NDF : 353.1/17

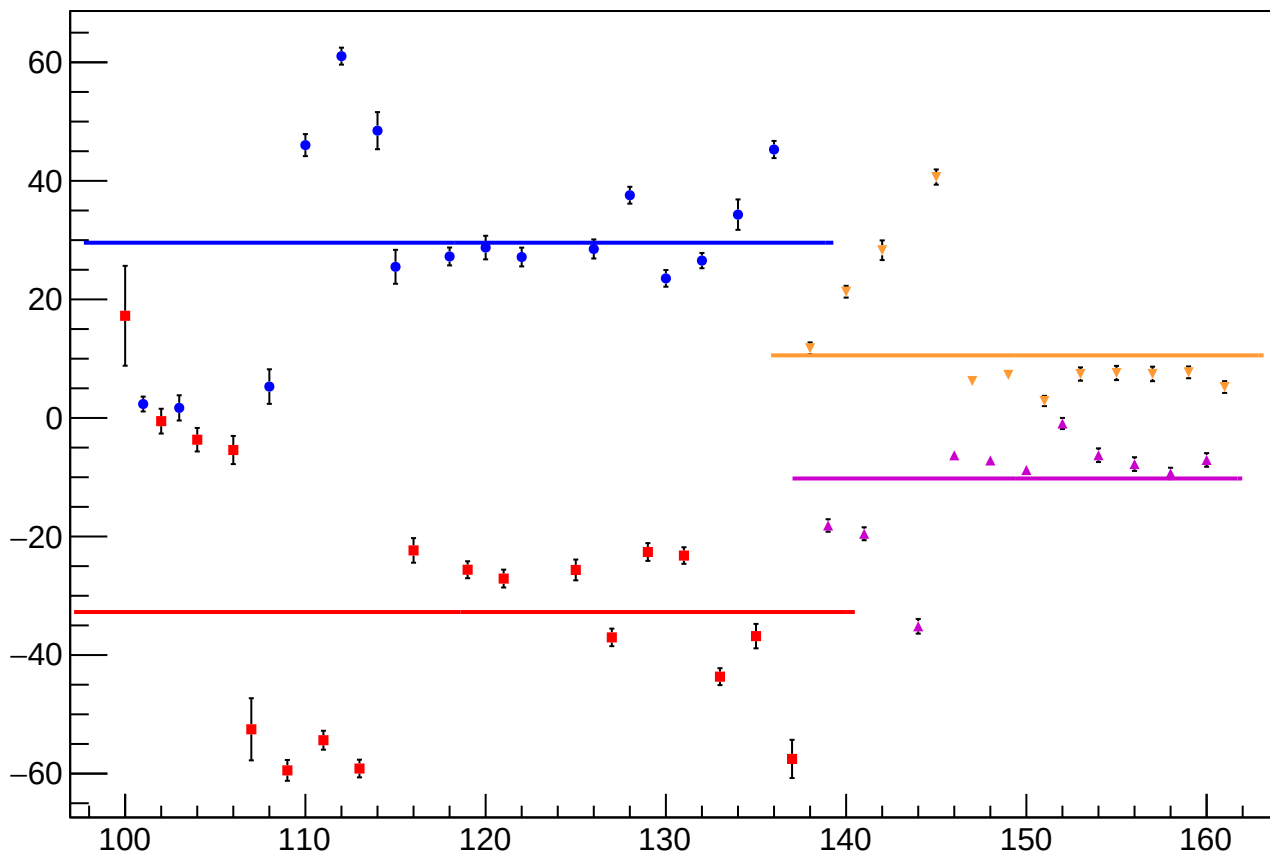
Left In: -1.166 ± 0.204 χ^2/NDF : 109.4/10

2.286 ± 0.148 χ^2/NDF : 616.4/27

-0.109 ± 0.106 χ^2/NDF : 1727.1/56

-2.612 ± 0.151 χ^2/NDF : 573.7/28

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 ± 0.420 $\chi^2/\text{NDF}: 1494.6/15$

Left Out: 10.562 ± 0.295 $\chi^2/\text{NDF}: 960.0/11$

Right Out: -32.741 ± 0.423 $\chi^2/\text{NDF}: 1663.3/17$

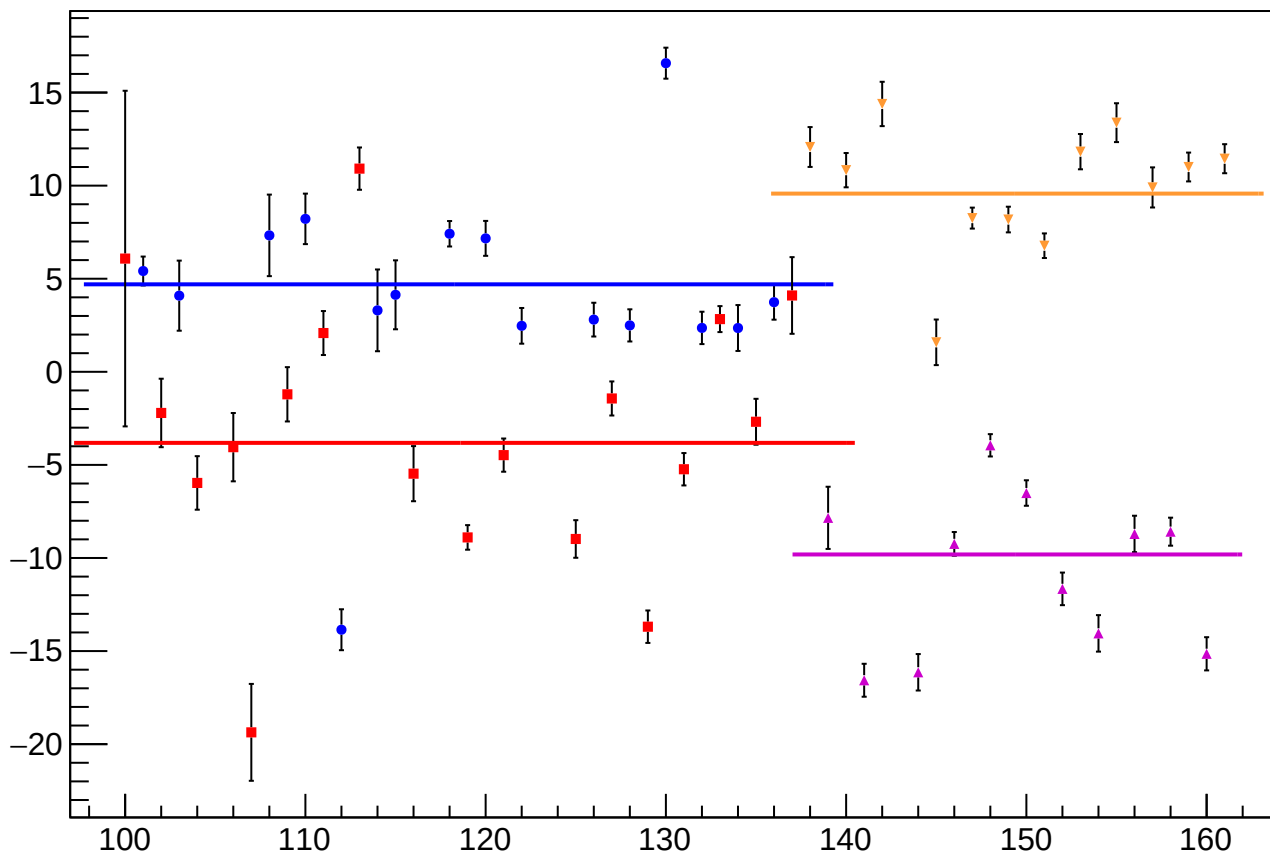
Left In: -10.215 ± 0.297 $\chi^2/\text{NDF}: 694.1/10$

16.850 ± 0.241 $\chi^2/\text{NDF}: 3827.2/27$

-0.277 ± 0.171 $\chi^2/\text{NDF}: 18235.6/56$

-17.670 ± 0.243 $\chi^2/\text{NDF}: 4257.1/28$

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 9.572 ± 0.241 $\chi^2/\text{NDF}: 121.9/11$

Right Out: -3.817 ± 0.258 $\chi^2/\text{NDF}: 567.6/17$

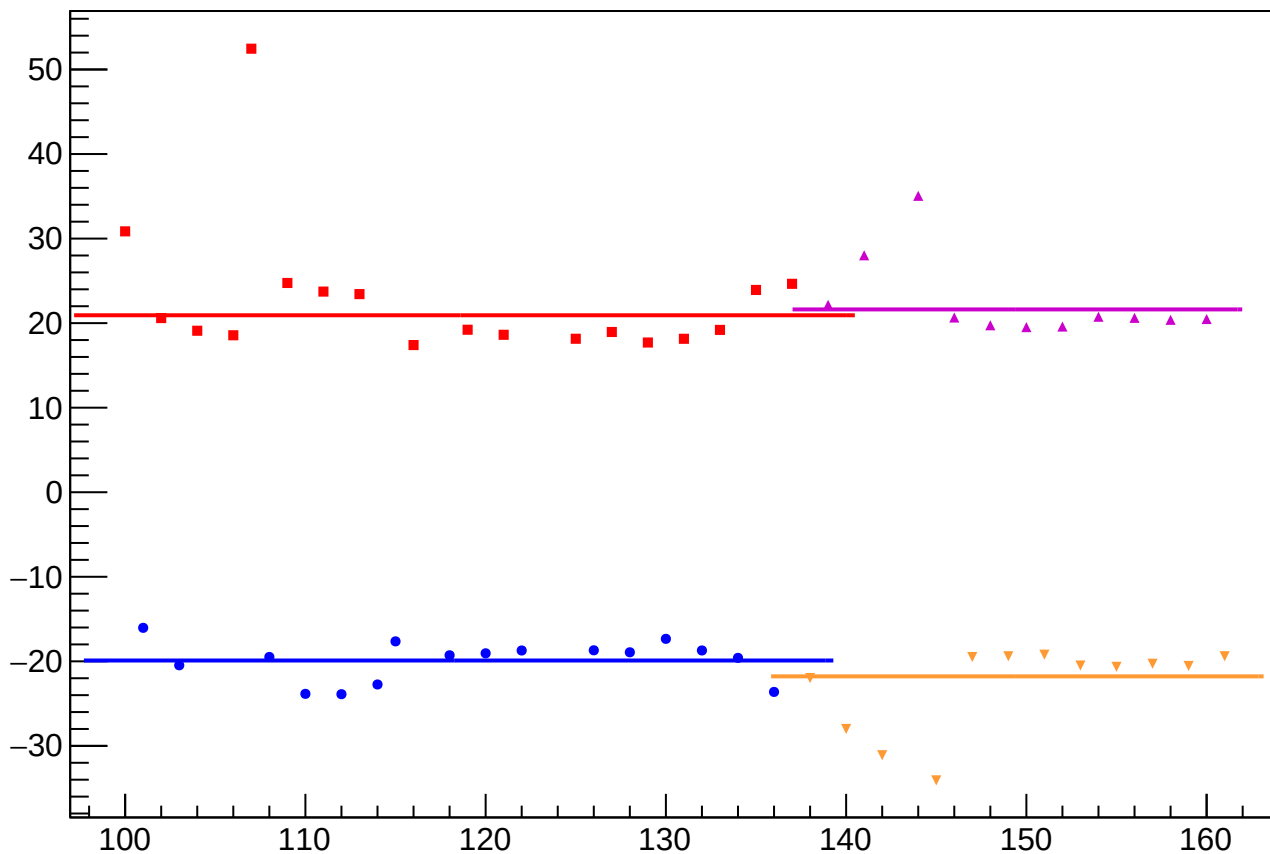
Left In: -9.811 ± 0.246 $\chi^2/\text{NDF}: 284.0/10$

7.260 ± 0.175 $\chi^2/\text{NDF}: 864.3/27$

0.286 ± 0.125 $\chi^2/\text{NDF}: 5237.0/56$

-6.958 ± 0.178 $\chi^2/\text{NDF}: 1133.4/28$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -21.777 ± 0.012 $\chi^2/\text{NDF}: 119488.3/11$

Right Out: 20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

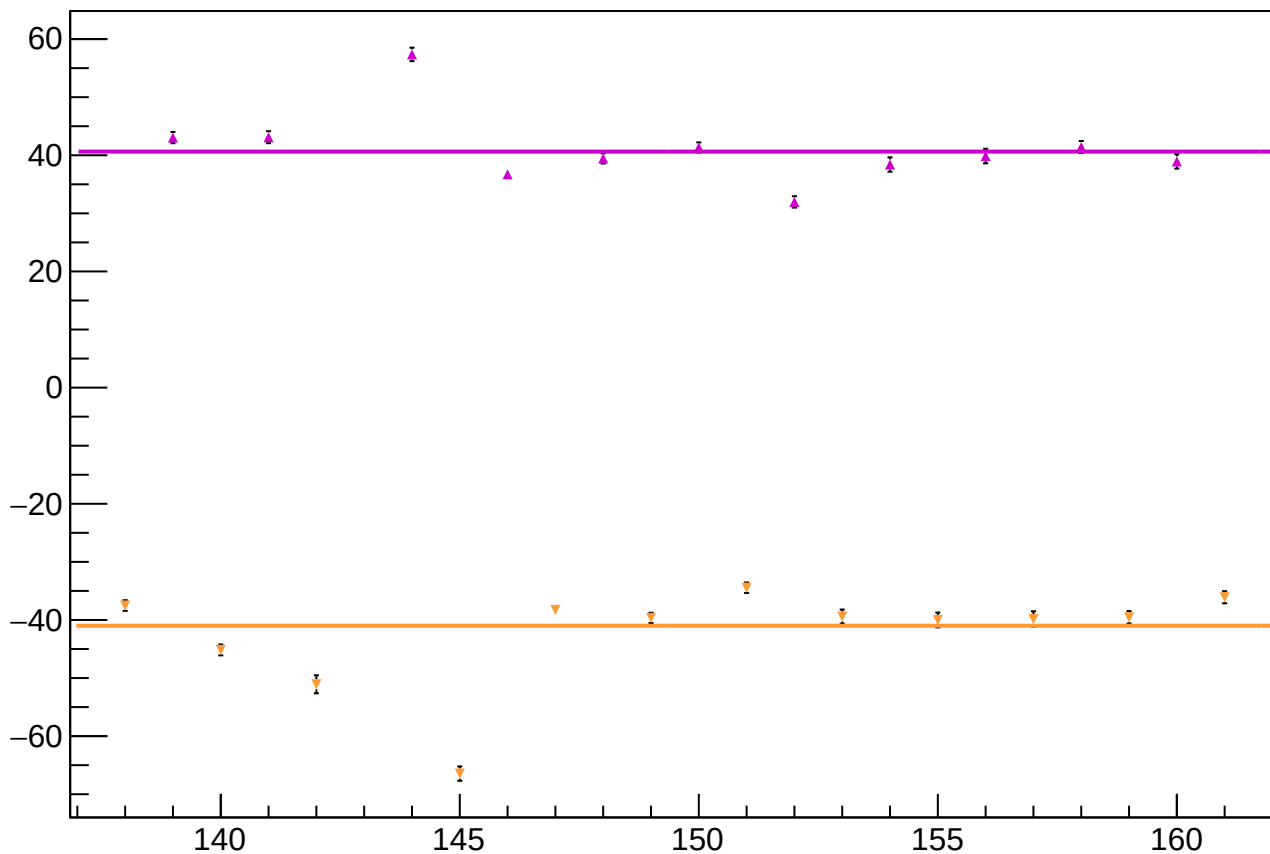
Left In: 21.622 ± 0.012 $\chi^2/\text{NDF}: 95082.0/10$

-21.103 ± 0.009 $\chi^2/\text{NDF}: 154737.1/27$

0.142 ± 0.007 $\chi^2/\text{NDF}: 10593642.2/56$

21.376 ± 0.009 $\chi^2/\text{NDF}: 190334.2/28$

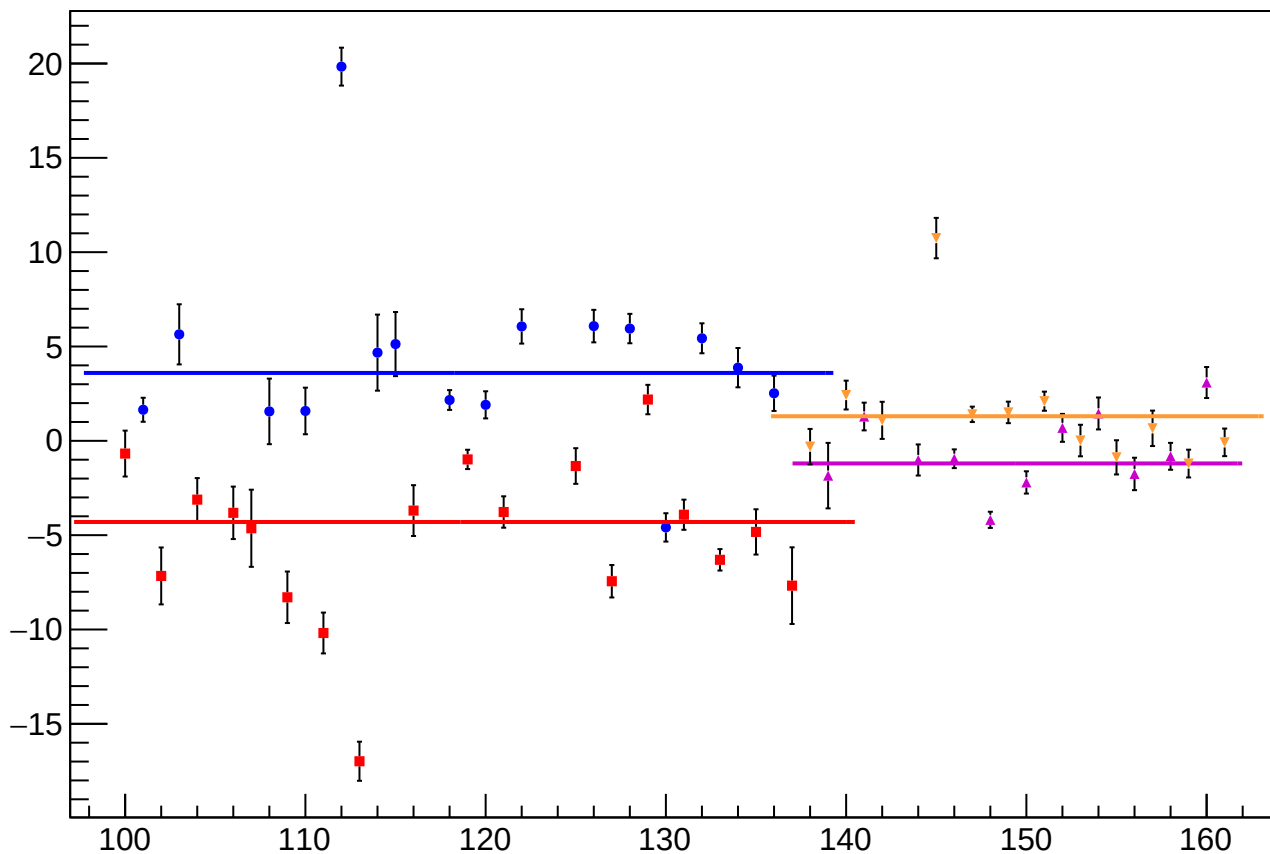
reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -40.989 ± 0.303 χ^2/NDF : 590.4/11
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: 40.633 ± 0.307 χ^2/NDF : 327.8/10

-40.989 ± 0.303 χ^2/NDF : 590.4/11
 -0.667 ± 0.216 χ^2/NDF : 36745.8/22
 40.633 ± 0.307 χ^2/NDF : 327.8/10

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: 1.304 ± 0.199 χ^2/NDF : 109.4/11

Right Out: -4.301 ± 0.221 χ^2/NDF : 352.1/17

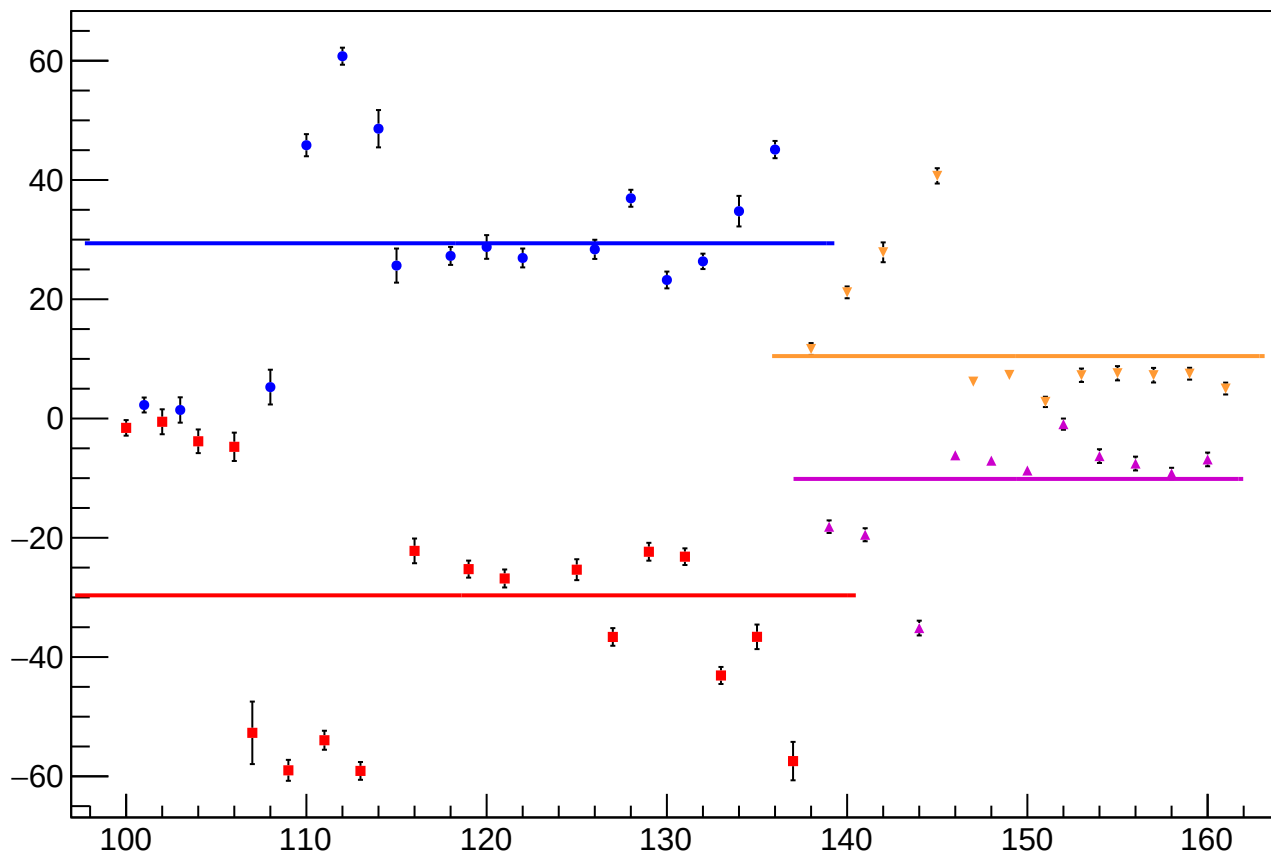
Left In: -1.198 ± 0.204 χ^2/NDF : 107.6/10

2.337 ± 0.148 χ^2/NDF : 609.5/27

-0.108 ± 0.105 χ^2/NDF : 1731.7/56

-2.625 ± 0.150 χ^2/NDF : 566.2/28

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 ± 0.419 $\chi^2/\text{NDF}: 1488.6/15$

Left Out: 10.469 ± 0.295 $\chi^2/\text{NDF}: 961.0/11$

Right Out: -29.652 ± 0.402 $\chi^2/\text{NDF}: 2131.0/17$

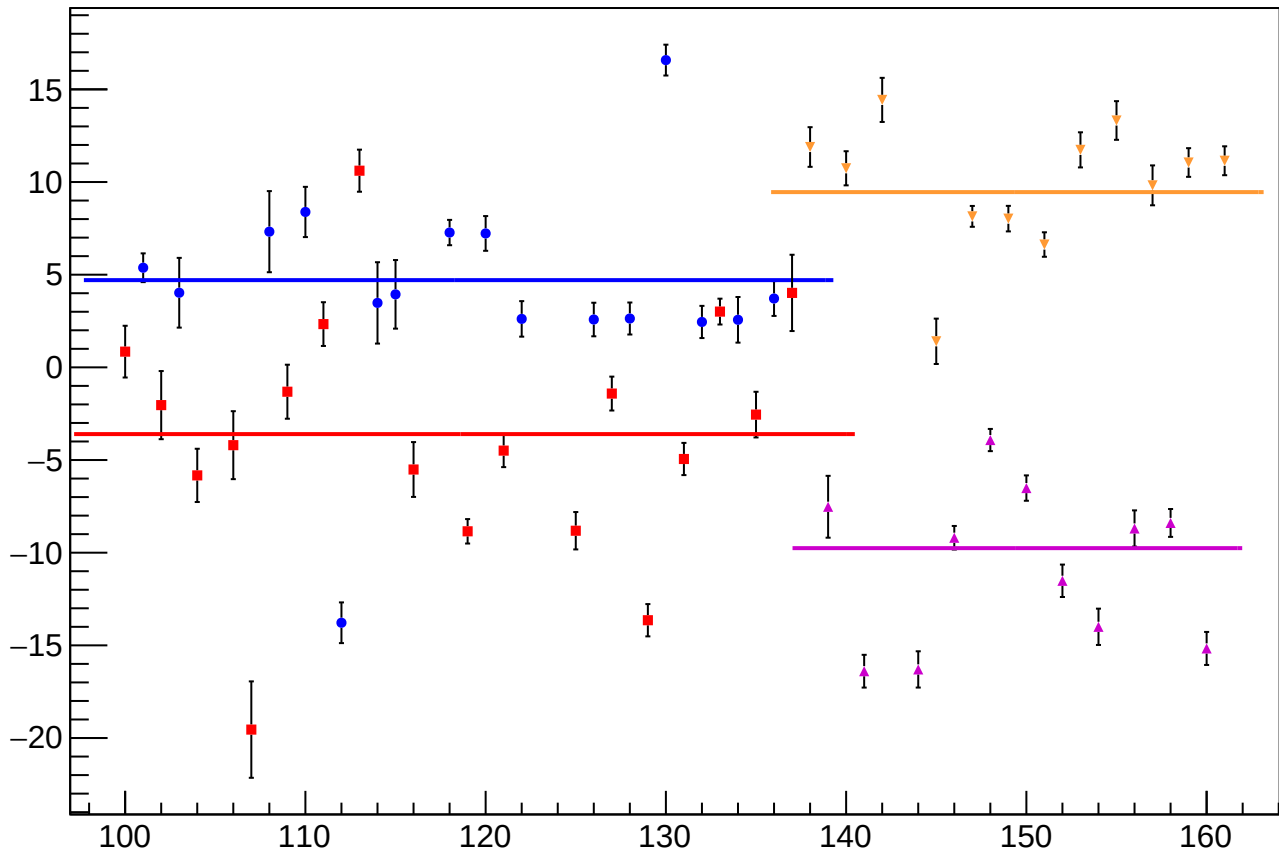
Left In: -10.129 ± 0.297 $\chi^2/\text{NDF}: 698.4/10$

16.730 ± 0.241 $\chi^2/\text{NDF}: 3811.8/27$

-0.296 ± 0.170 $\chi^2/\text{NDF}: 18043.1/56$

-17.019 ± 0.239 $\chi^2/\text{NDF}: 4352.9/28$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 $\pm$ 0.254 χ^2/NDF : 545.2/15

Left Out: 9.456 $\pm$ 0.241 χ^2/NDF : 124.5/11

Right Out: -3.601 $\pm$ 0.254 χ^2/NDF : 573.4/17

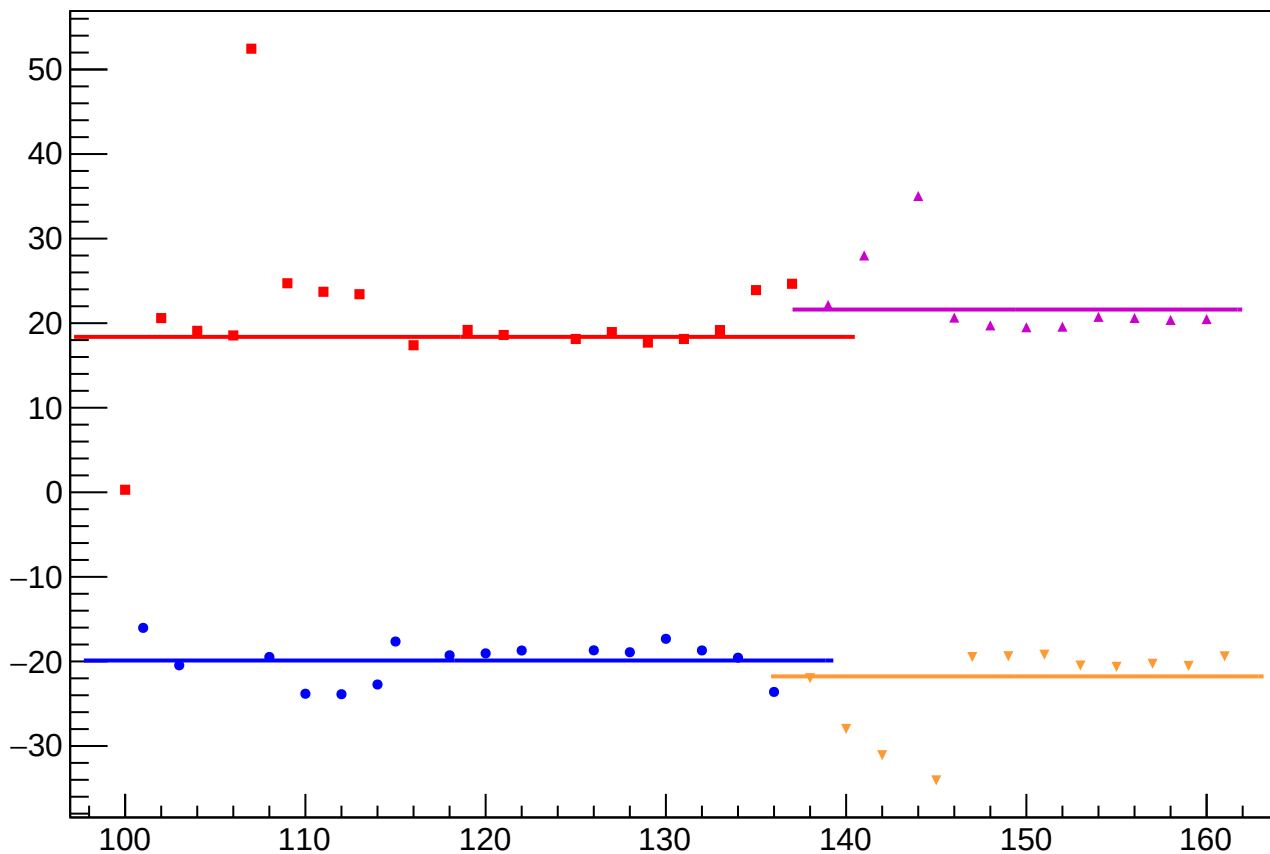
Left In: -9.755 $\pm$ 0.246 χ^2/NDF : 285.0/10

7.203 $\pm$ 0.175 χ^2/NDF : 853.7/27

0.292 $\pm$ 0.124 χ^2/NDF : 5174.4/56

-6.774 $\pm$ 0.177 χ^2/NDF : 1161.0/28

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: -21.770 ± 0.012 χ^2/NDF : 119538.5/11

Right Out: 18.380 ± 0.015 χ^2/NDF : 300999.4/17

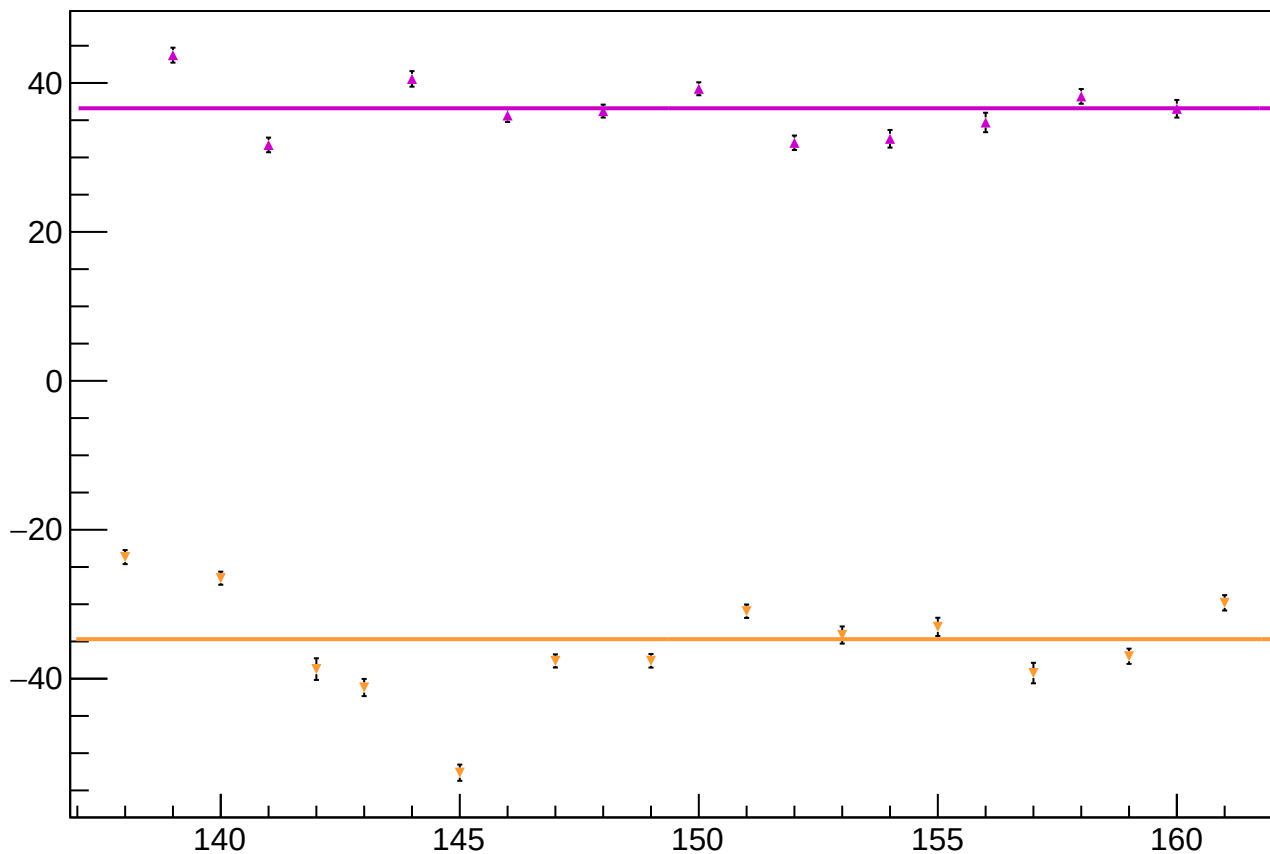
Left In: 21.612 ± 0.012 χ^2/NDF : 95019.9/10

-21.094 ± 0.009 χ^2/NDF : 154832.3/27

0.127 ± 0.007 χ^2/NDF : 10583849.6/56

20.365 ± 0.009 χ^2/NDF : 425517.2/28

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -34.690 ± 0.288 χ^2/NDF : 612.3/12

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

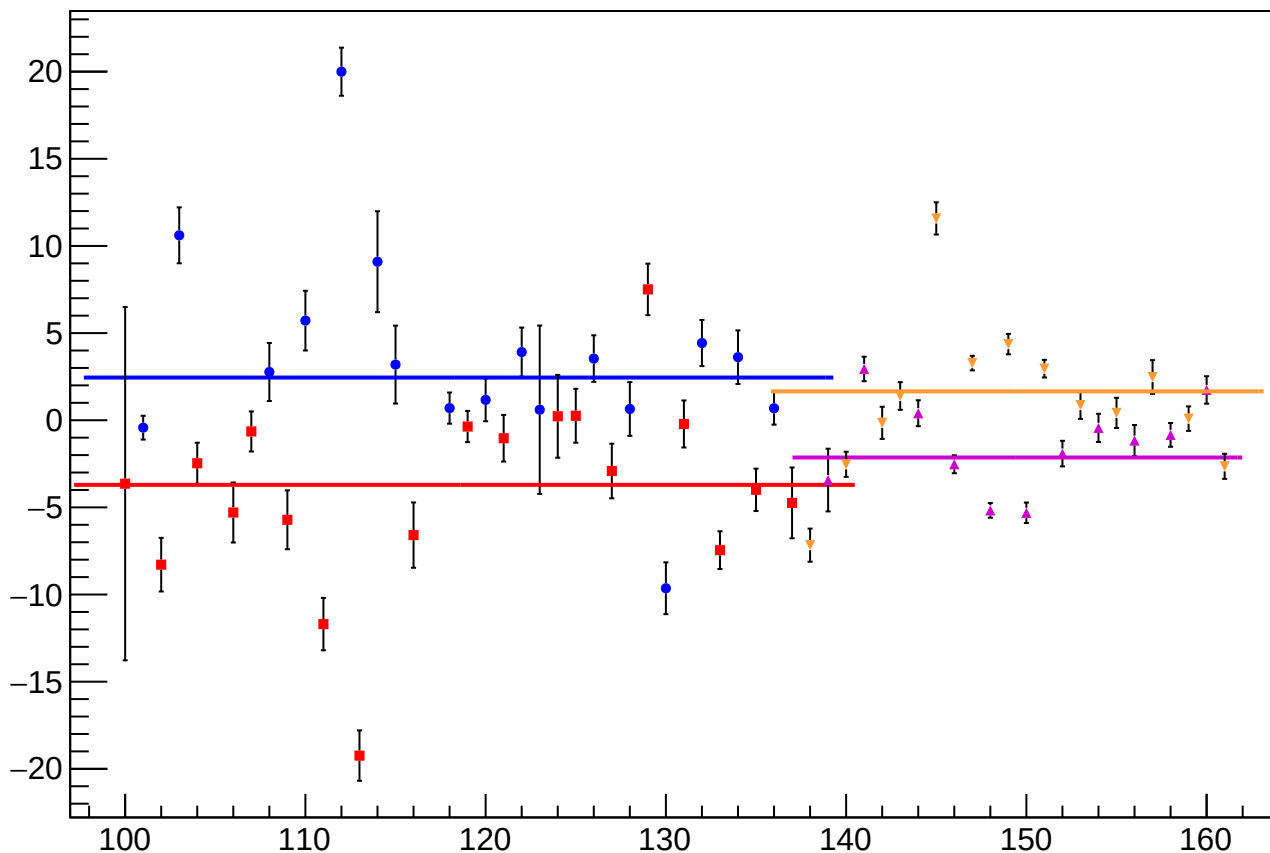
Left In: 36.603 ± 0.302 χ^2/NDF : 139.5/10

-34.690 ± 0.288 χ^2/NDF : 612.3/12

-0.751 ± 0.209 χ^2/NDF : 29896.4/23

36.603 ± 0.302 χ^2/NDF : 139.5/10

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 1.656 ± 0.191 χ^2/NDF : 326.5/12

Right Out: -3.707 ± 0.326 χ^2/NDF : 269.4/18

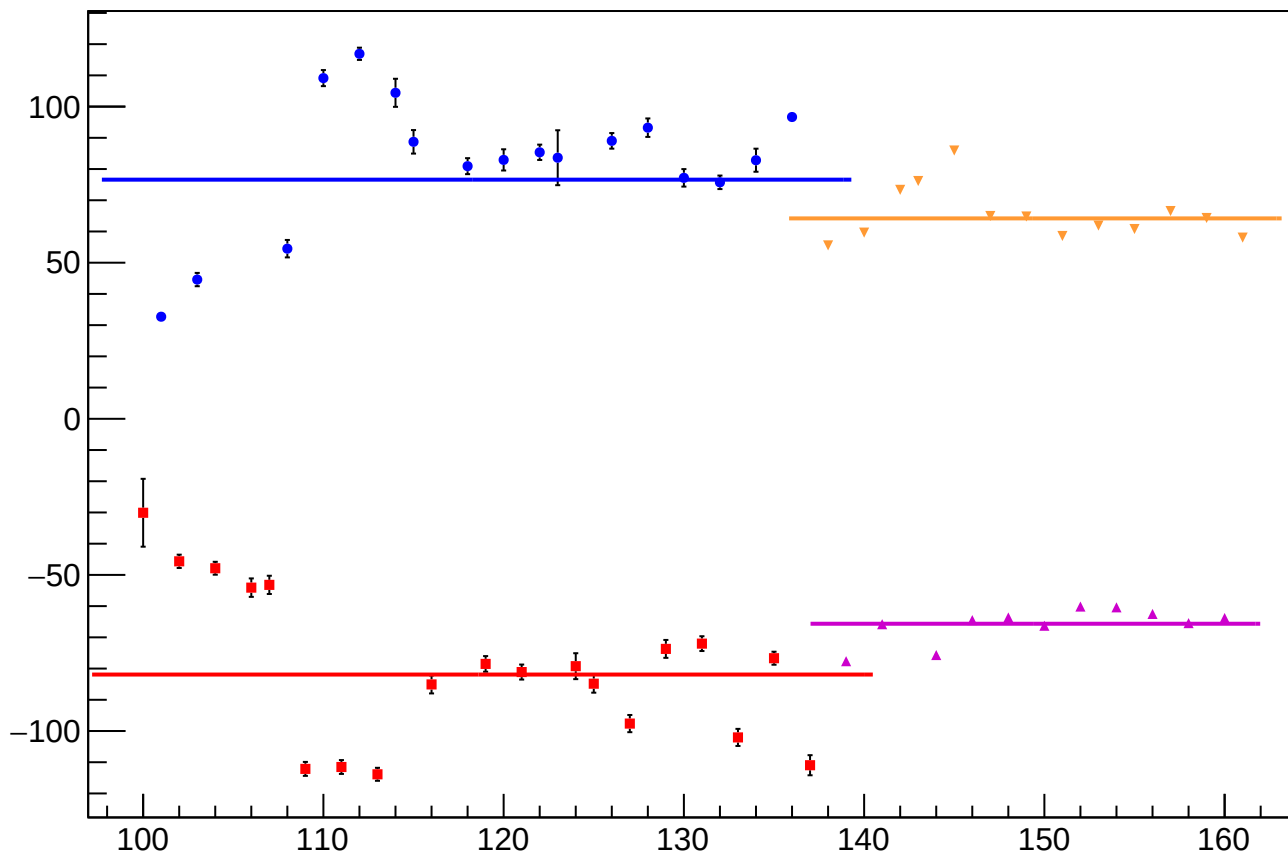
Left In: -2.138 ± 0.201 χ^2/NDF : 179.4/10

1.870 ± 0.163 χ^2/NDF : 626.5/29

-0.247 ± 0.118 χ^2/NDF : 1444.8/59

-2.569 ± 0.171 χ^2/NDF : 465.6/29

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598+/-0.576 χ^2/NDF : 2255.1/16

Left Out: 64.190+/-0.282 χ^2/NDF : 690.0/12

Right Out: -81.916+/-0.592 χ^2/NDF : 1570.7/18

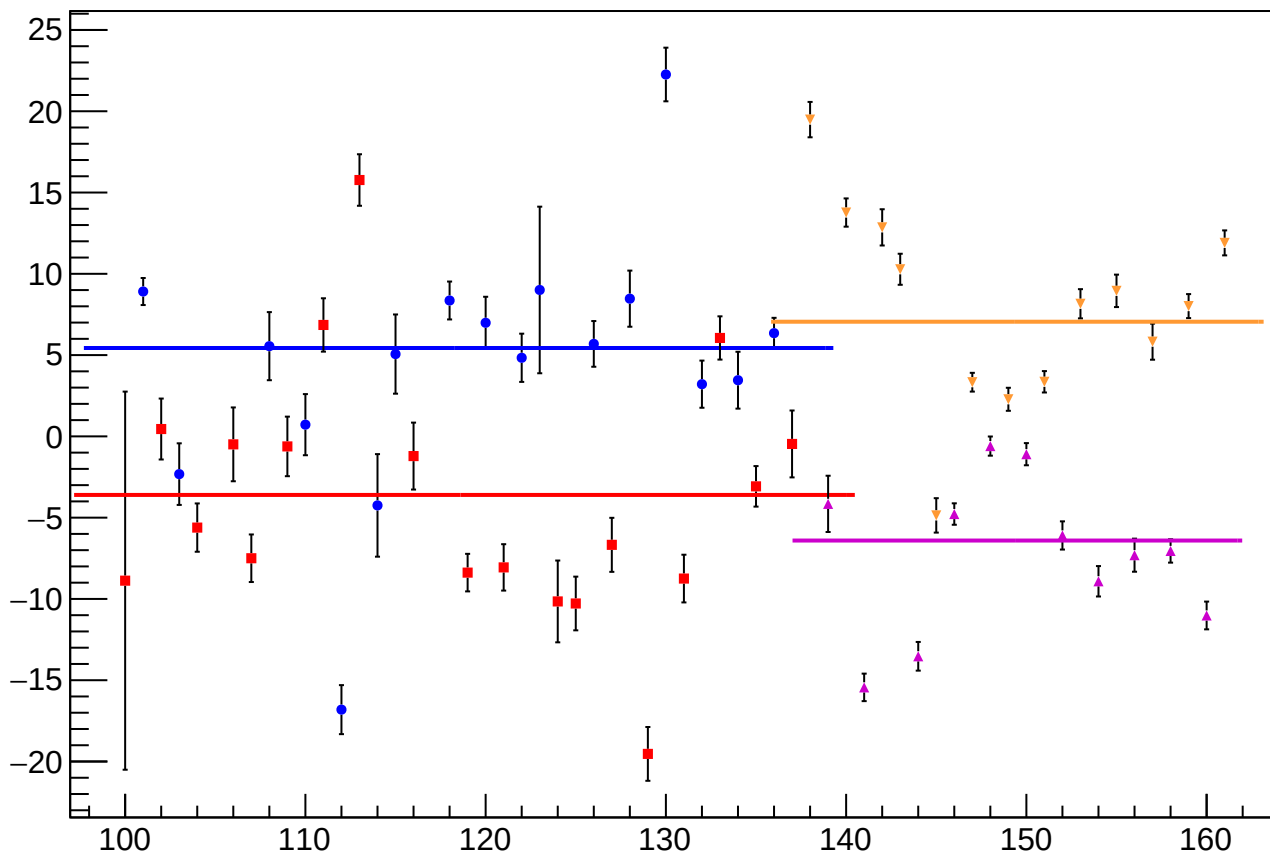
Left In: -65.644+/-0.293 χ^2/NDF : 277.8/10

66.593+/-0.253 χ^2/NDF : 3319.2/29

1.267+/-0.182 χ^2/NDF : 143455.9/59

-68.845+/-0.263 χ^2/NDF : 2455.3/29

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 7.053 ± 0.230 $\chi^2/\text{NDF}: 521.9/12$

Right Out: -3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

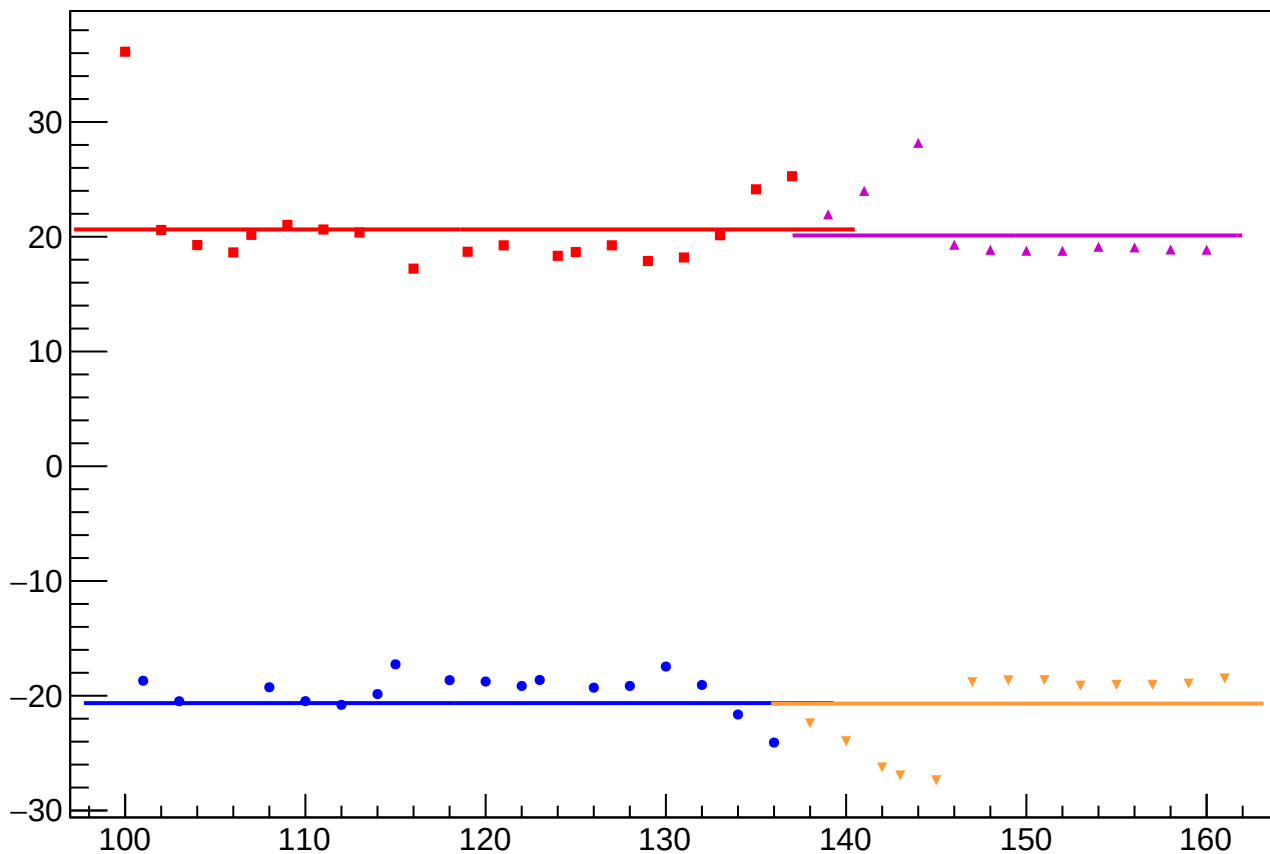
Left In: -6.407 ± 0.242 $\chi^2/\text{NDF}: 382.8/10$

6.584 ± 0.194 $\chi^2/\text{NDF}: 923.5/29$

0.783 ± 0.140 $\chi^2/\text{NDF}: 3643.5/59$

-5.583 ± 0.203 $\chi^2/\text{NDF}: 845.6/29$

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: -20.683±/0.011 χ^2/NDF : 73629.7/12

Right Out: 20.638±/0.019 χ^2/NDF : 13783.4/18

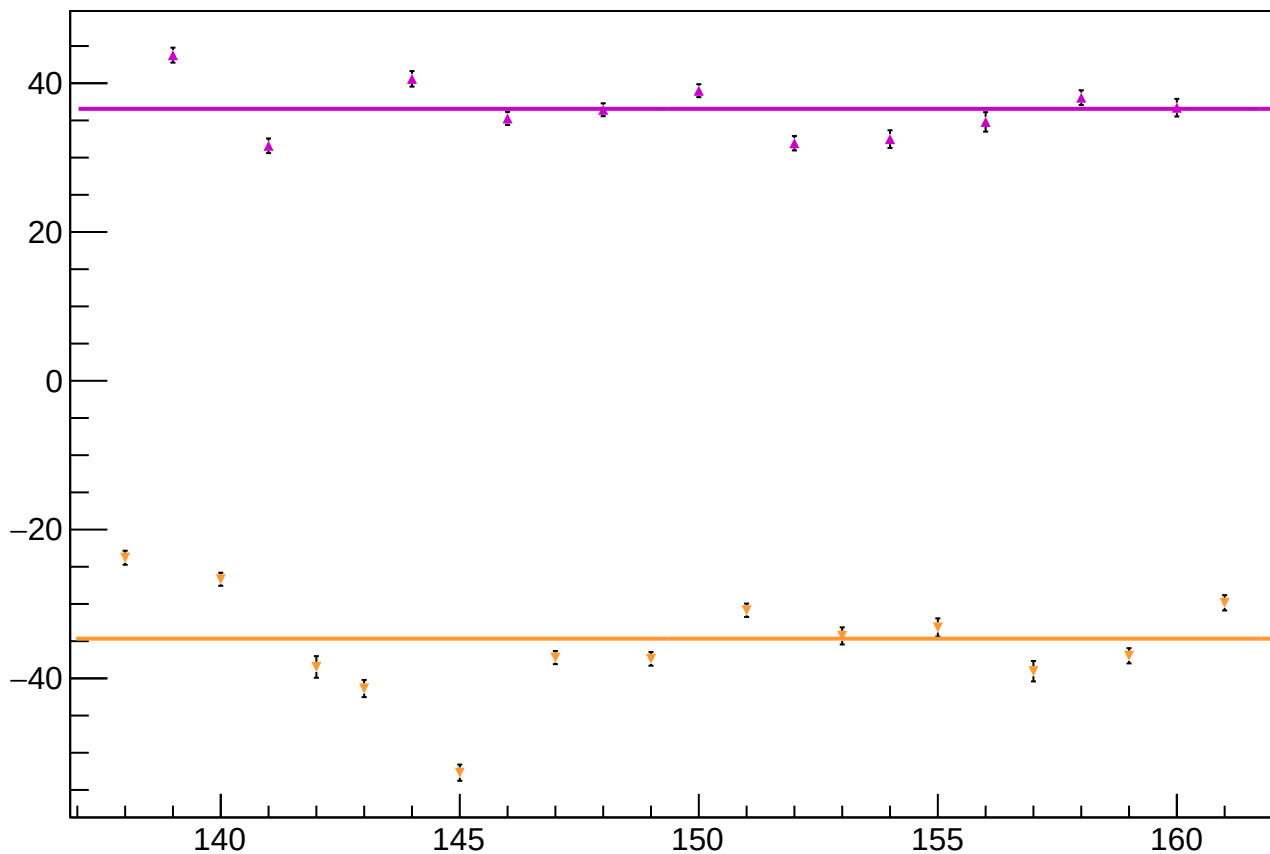
Left In: 20.110±/0.012 χ^2/NDF : 46103.4/10

-20.673±/0.010 χ^2/NDF : 86064.7/29

-0.676±/0.007 χ^2/NDF : 8853058.1/59

20.247±/0.010 χ^2/NDF : 60431.5/29

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -34.661 ± 0.288 χ^2/NDF : 602.6/12

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

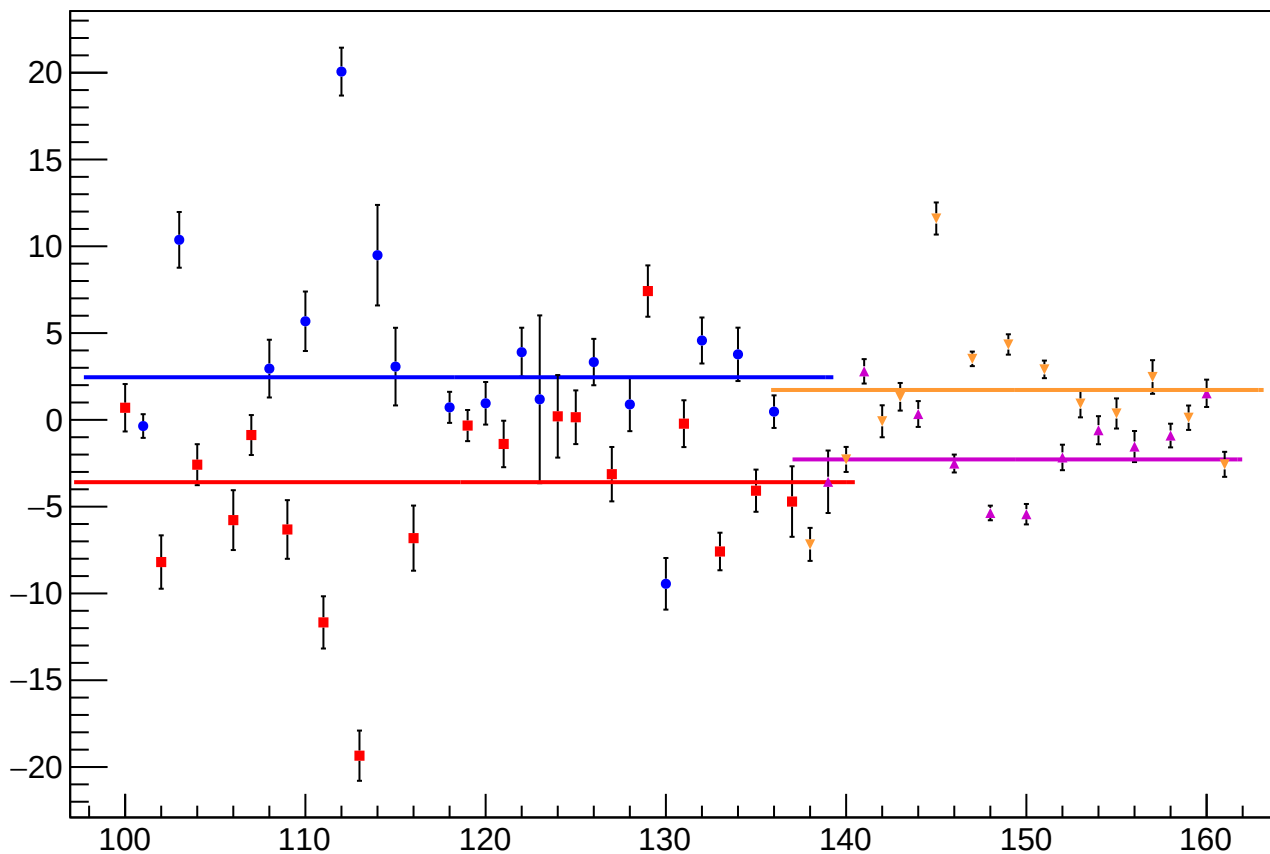
Left In: 36.556 ± 0.302 χ^2/NDF : 140.1/10

-34.661 ± 0.288 χ^2/NDF : 602.6/12

-0.762 ± 0.209 χ^2/NDF : 29787.6/23

36.556 ± 0.302 χ^2/NDF : 140.1/10

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 1.722 ± 0.191 χ^2/NDF : 324.9/12

Right Out: -3.590 ± 0.318 χ^2/NDF : 279.8/18

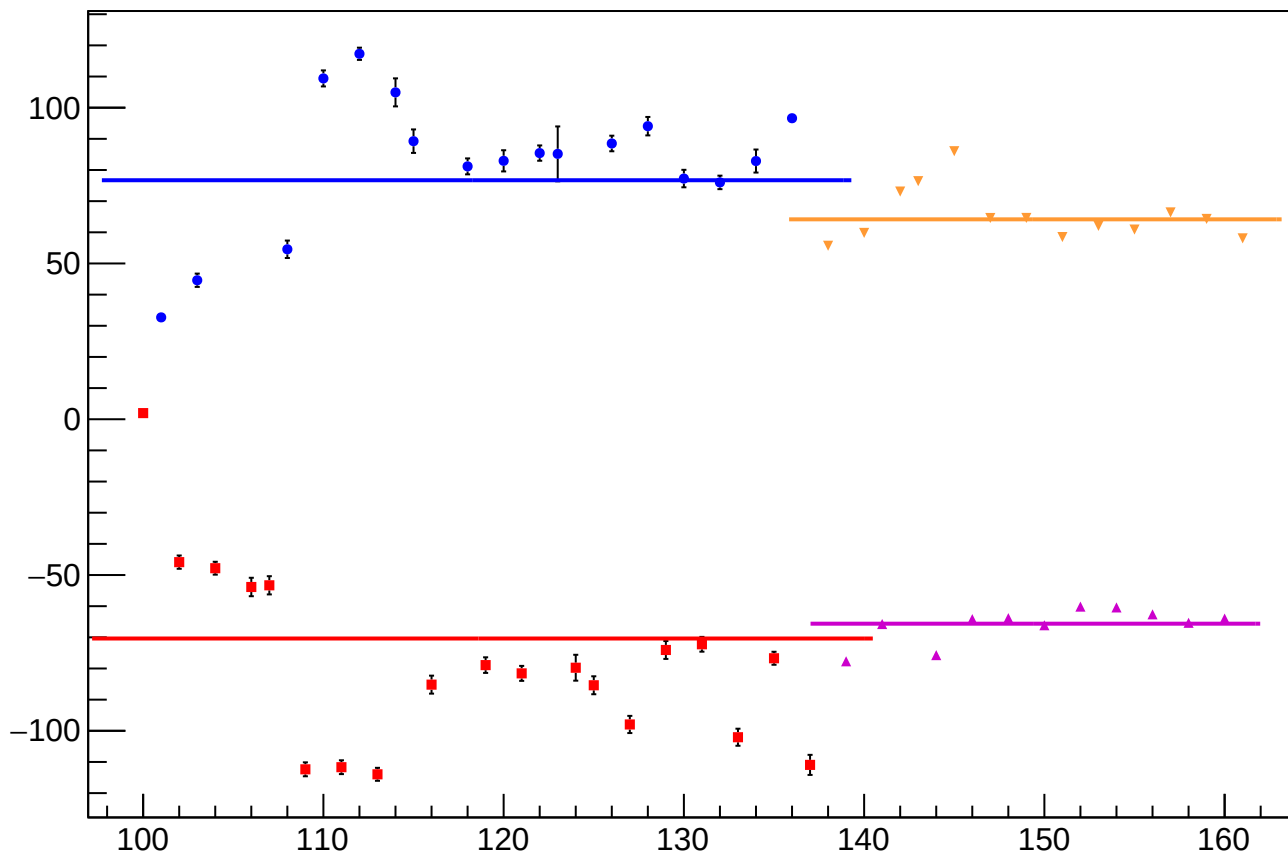
Left In: -2.279 ± 0.201 χ^2/NDF : 179.9/10

1.920 ± 0.163 χ^2/NDF : 622.3/29

-0.278 ± 0.118 χ^2/NDF : 1471.1/59

-2.653 ± 0.170 χ^2/NDF : 471.9/29

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 64.165+/-0.282 χ^2/NDF : 688.7/12

Right Out: -70.376+/-0.550 χ^2/NDF : 4390.7/18

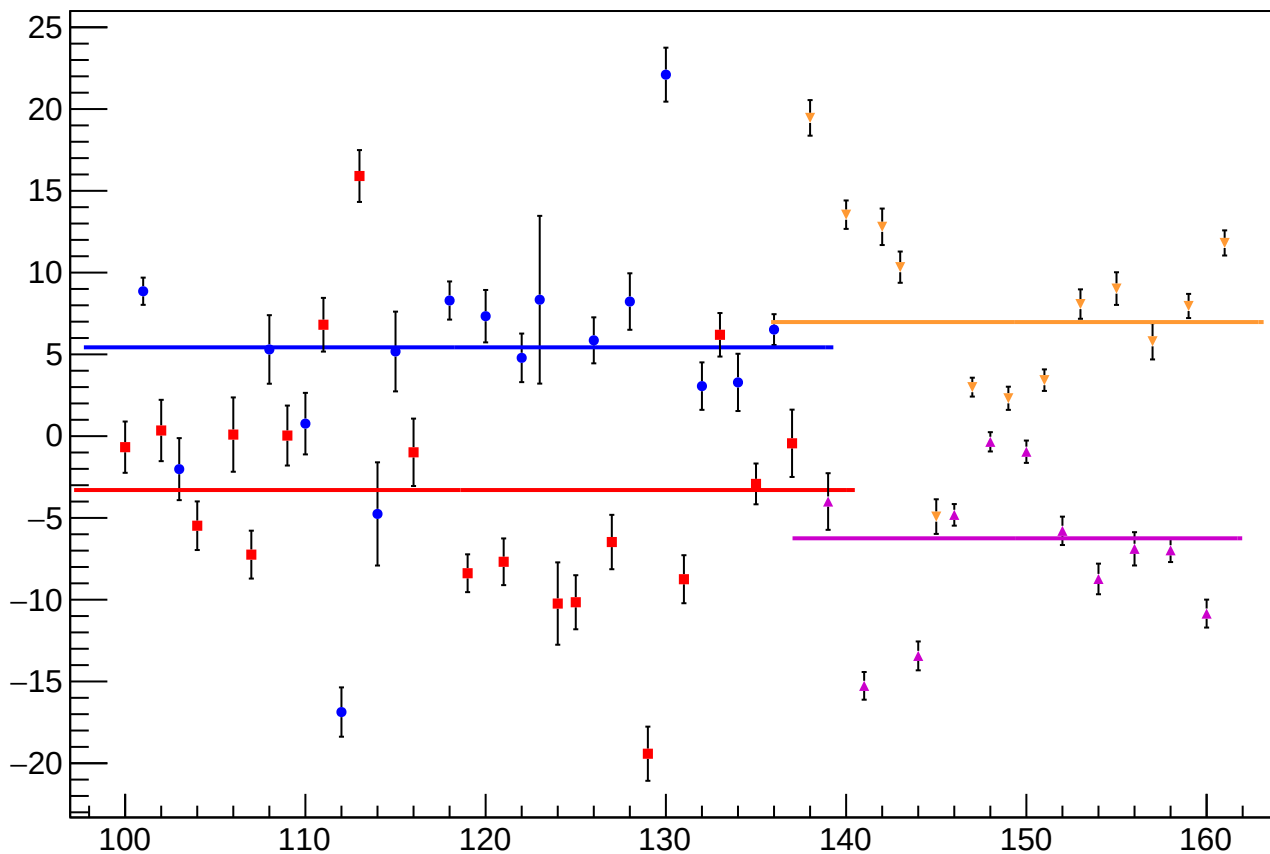
Left In: -65.620+/-0.293 χ^2/NDF : 277.8/10

66.595+/-0.254 χ^2/NDF : 3337.5/29

1.286+/-0.181 χ^2/NDF : 143348.6/59

-66.673+/-0.259 χ^2/NDF : 4726.7/29

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: 6.976 $\pm$ 0.230 χ^2/NDF : 522.3/12

Right Out: -3.295 $\pm$ 0.365 χ^2/NDF : 426.1/18

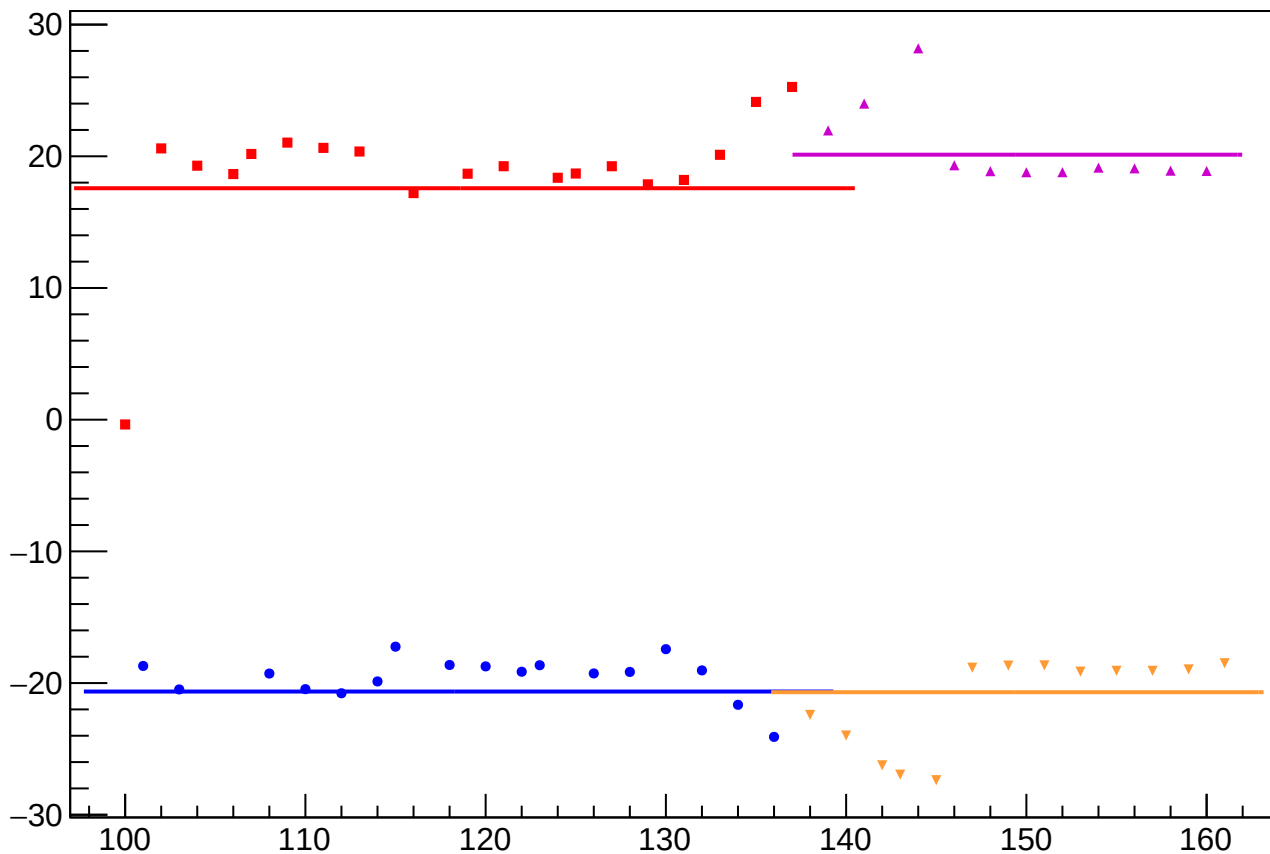
Left In: -6.247 $\pm$ 0.242 χ^2/NDF : 384.4/10

6.528 $\pm$ 0.194 χ^2/NDF : 921.3/29

0.819 $\pm$ 0.140 χ^2/NDF : 3575.1/59

-5.345 $\pm$ 0.202 χ^2/NDF : 855.9/29

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643+/-0.019 χ^2/NDF : 12468.6/16

Left Out: -20.693+/-0.011 χ^2/NDF : 73477.9/12

Right Out: 17.574+/-0.018 χ^2/NDF : 178327.0/18

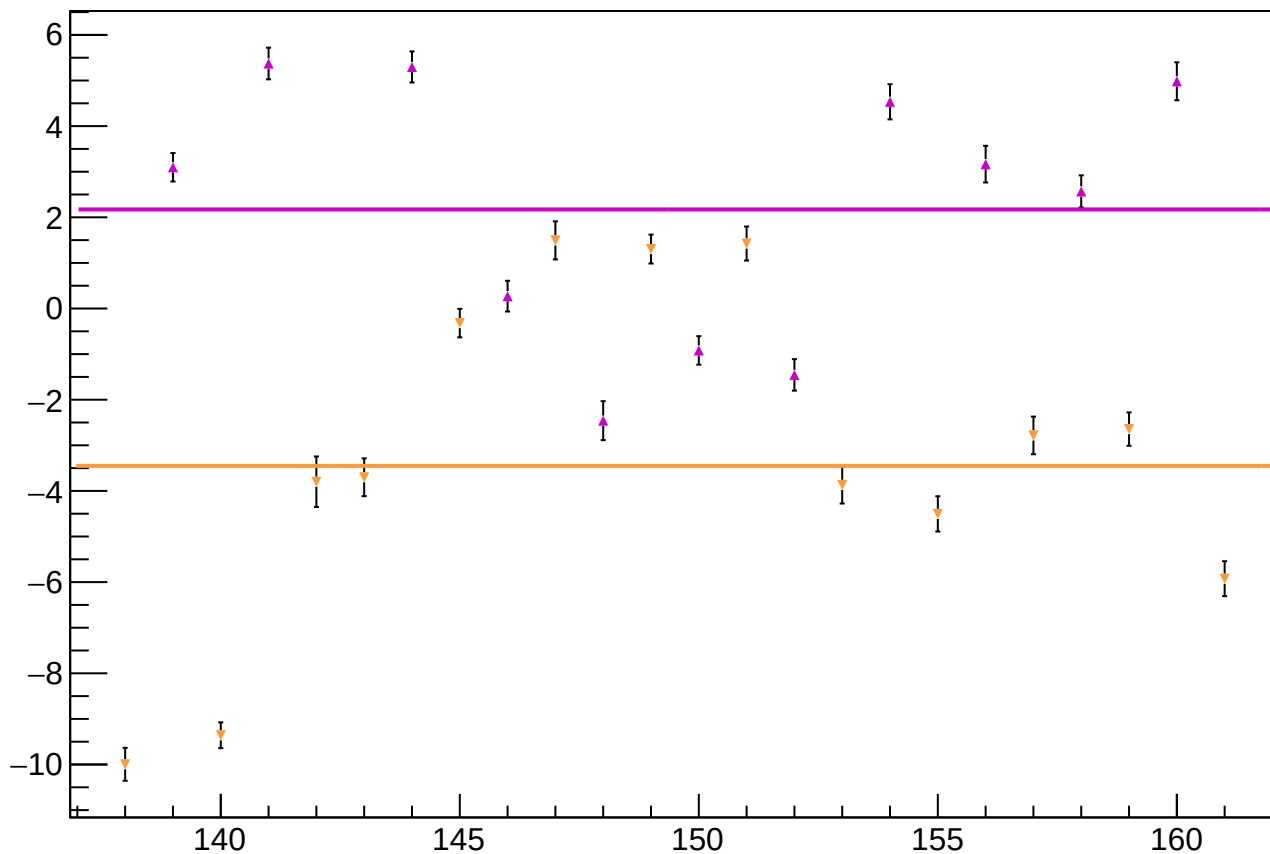
Left In: 20.121+/-0.012 χ^2/NDF : 46031.3/10

-20.681+/-0.010 χ^2/NDF : 85951.5/29

-0.685+/-0.007 χ^2/NDF : 8838539.9/59

19.382+/-0.010 χ^2/NDF : 238517.0/29

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.451 $\pm$ 0.103 χ^2/NDF : 1458.0/12

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

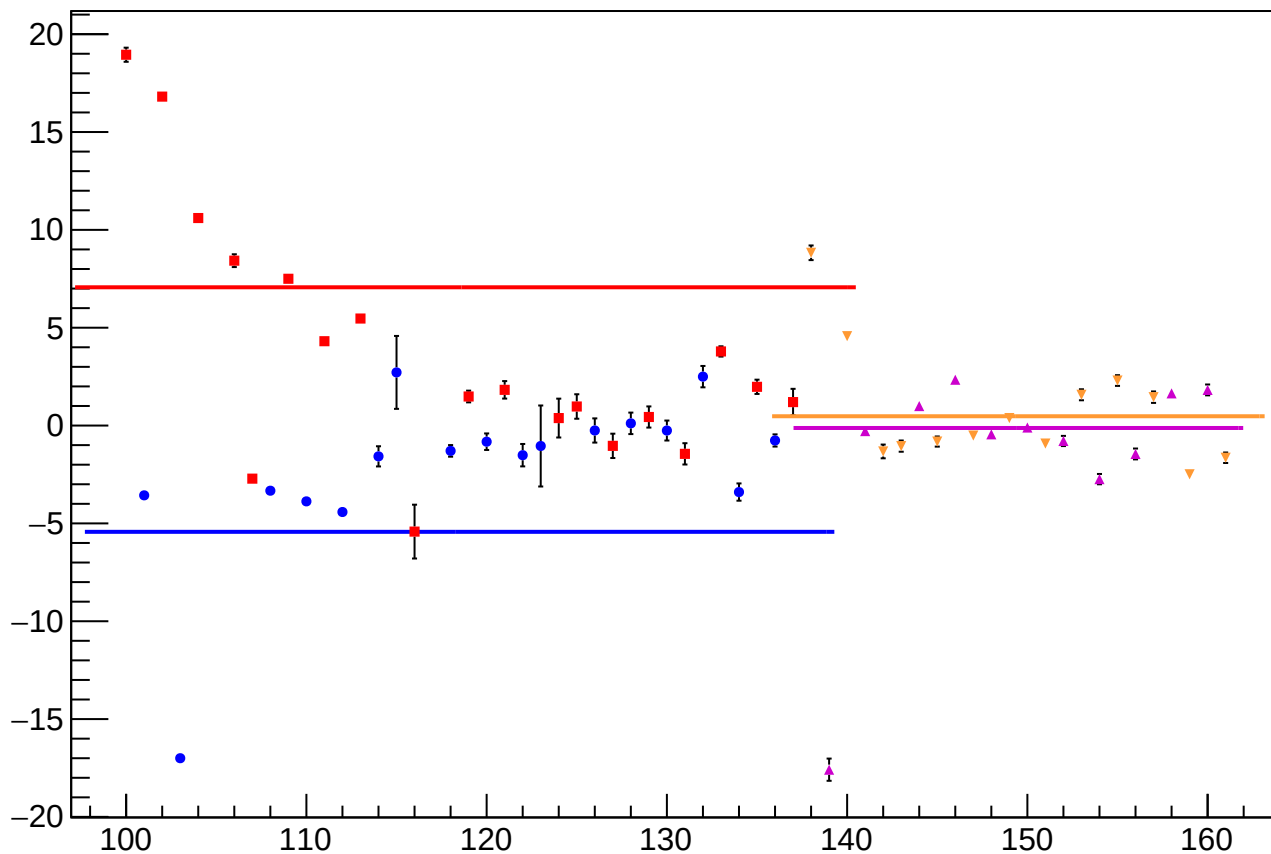
Left In: 2.174 $\pm$ 0.107 χ^2/NDF : 626.4/10

-3.451 $\pm$ 0.103 χ^2/NDF : 1458.0/12

-0.767 $\pm$ 0.074 χ^2/NDF : 3520.5/23

2.174 $\pm$ 0.107 χ^2/NDF : 626.4/10

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: 0.475 ± 0.071 χ^2/NDF : 1215.2/12

Right Out: 7.066 ± 0.059 χ^2/NDF : 12306.6/18

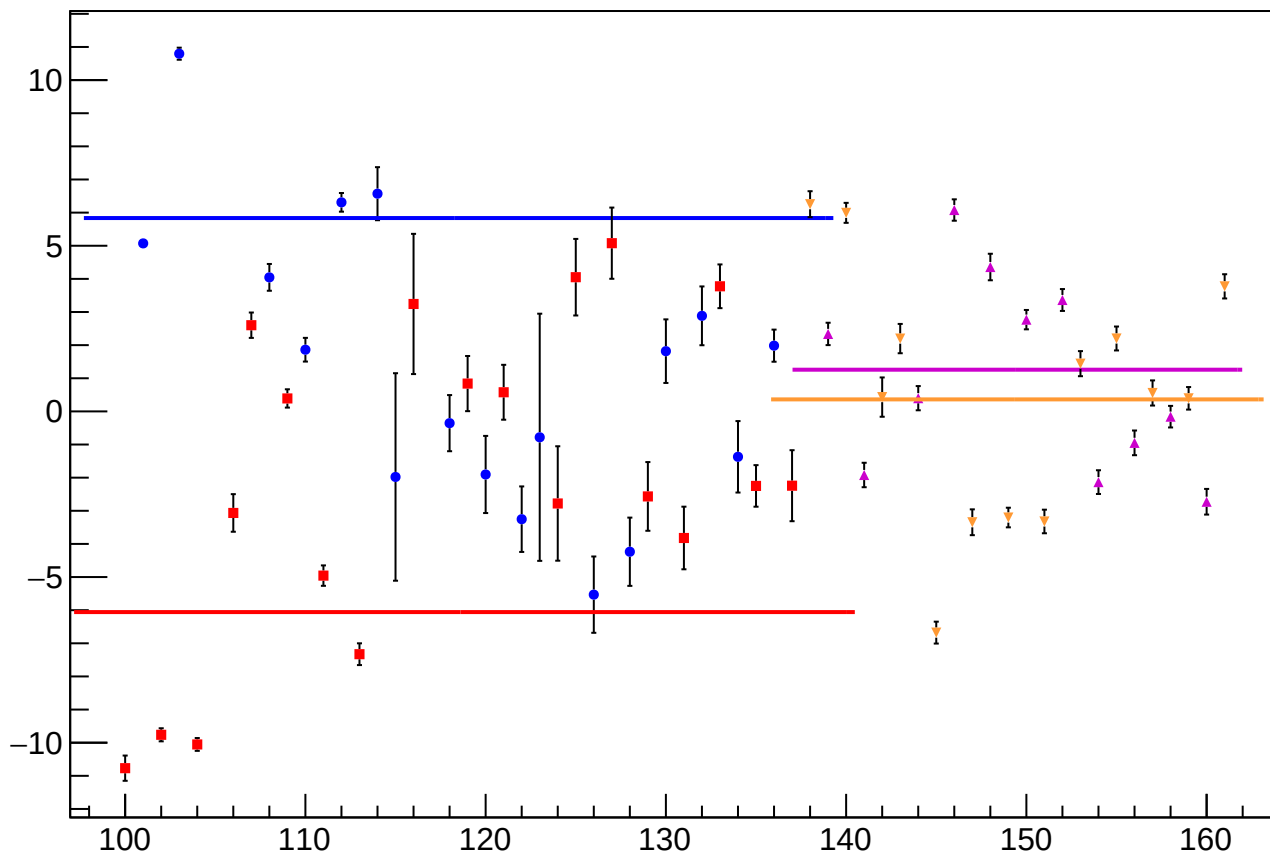
Left In: -0.124 ± 0.076 χ^2/NDF : 1333.9/10

-3.236 ± 0.043 χ^2/NDF : 14754.8/29

0.299 ± 0.032 χ^2/NDF : 48175.7/59

4.346 ± 0.047 χ^2/NDF : 19253.4/29

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: 0.362 $\pm$ 0.101 χ^2 /NDF: 1509.0/12

Right Out: -6.057 $\pm$ 0.093 χ^2 /NDF: 2668.9/18

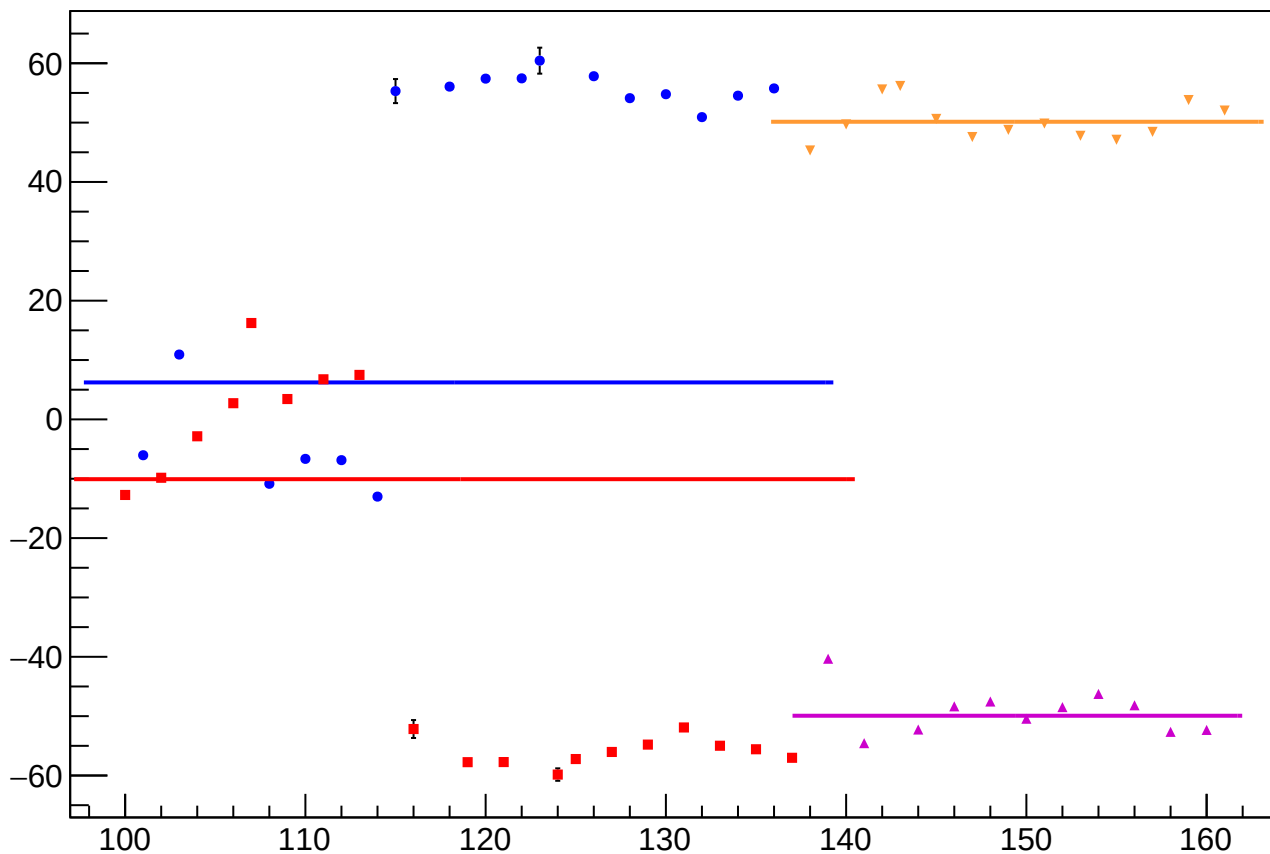
Left In: 1.259 $\pm$ 0.105 χ^2 /NDF: 689.7/10

3.422 $\pm$ 0.067 χ^2 /NDF: 4594.0/29

0.423 $\pm$ 0.048 χ^2 /NDF: 14839.6/59

-2.814 $\pm$ 0.070 χ^2 /NDF: 6082.7/29

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 $\chi^2/\text{NDF}: 120955.1/16$

Left Out: 50.143 ± 0.084 $\chi^2/\text{NDF}: 1133.8/12$

Right Out: -10.075 ± 0.070 $\chi^2/\text{NDF}: 122049.3/18$

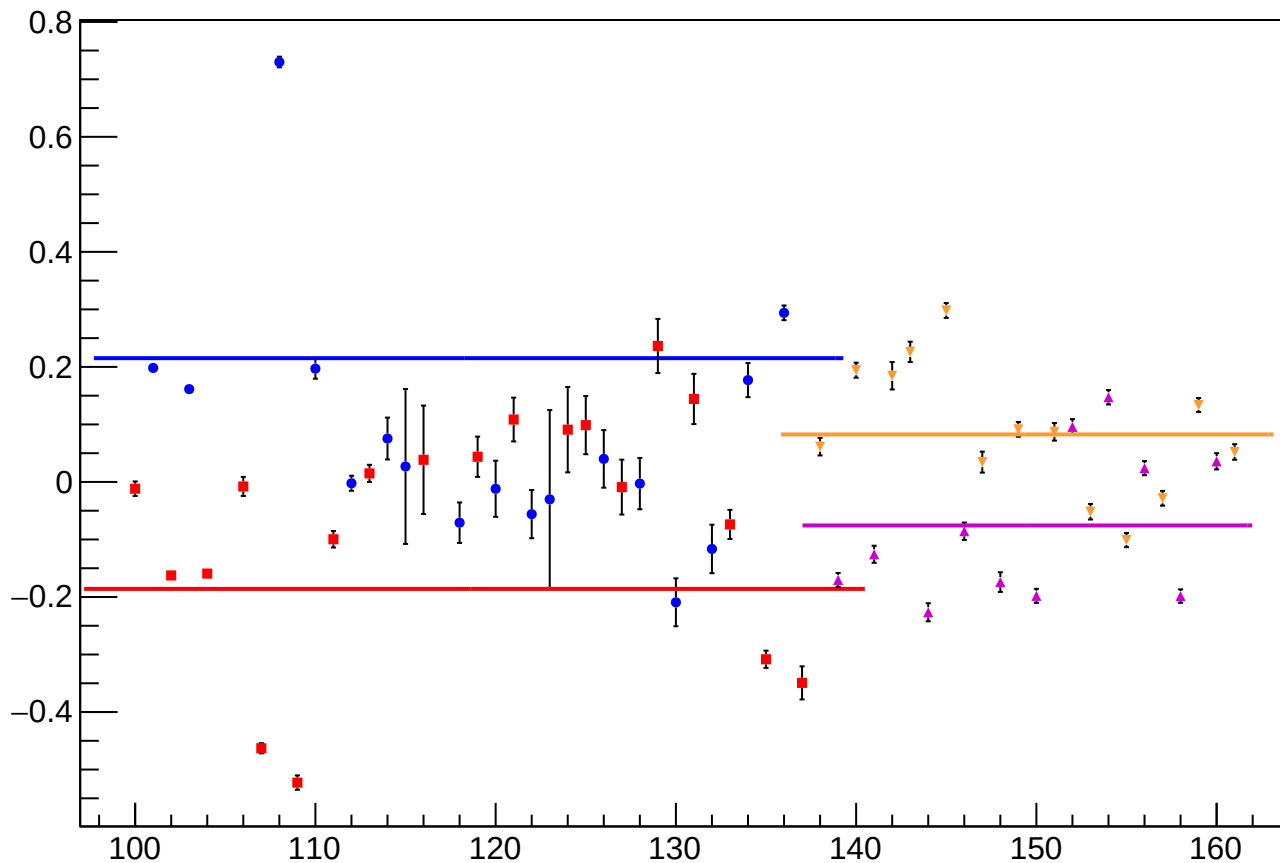
Left In: -49.929 ± 0.089 $\chi^2/\text{NDF}: 1094.4/10$

22.547 ± 0.051 $\chi^2/\text{NDF}: 292634.8/29$

0.186 ± 0.037 $\chi^2/\text{NDF}: 945398.7/59$

-25.282 ± 0.055 $\chi^2/\text{NDF}: 247763.8/29$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.083 $\pm$ 0.004 χ^2 /NDF:858.2/12

Right Out: -0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

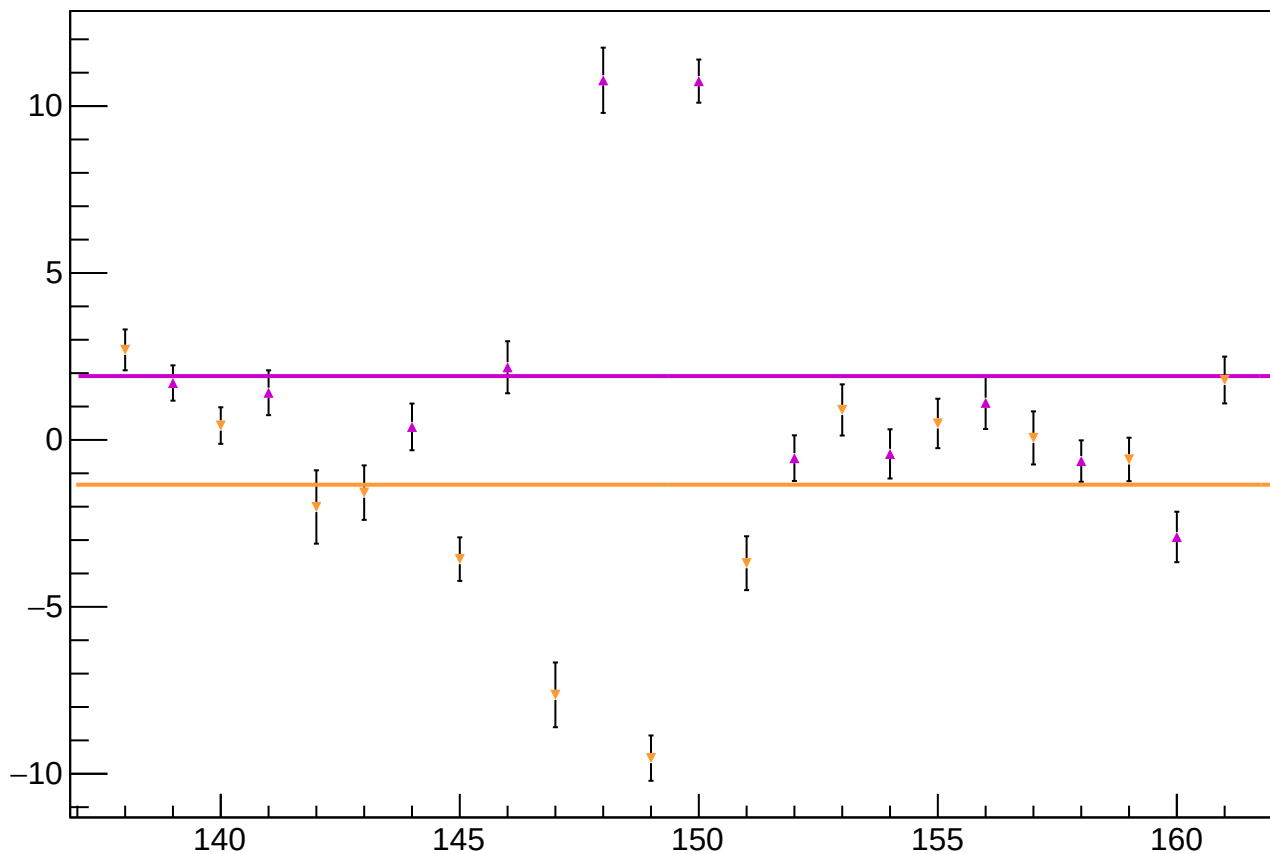
Left In: -0.076 $\pm$ 0.004 χ^2 /NDF:1016.5/10

0.171 $\pm$ 0.002 χ^2 /NDF: 5543.6/29

0.008 $\pm$ 0.002 χ^2 /NDF: 20105.3/59

-0.152 $\pm$ 0.002 χ^2 /NDF: 4249.1/29

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.342+/-0.200 χ^2/NDF : 301.5/12

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

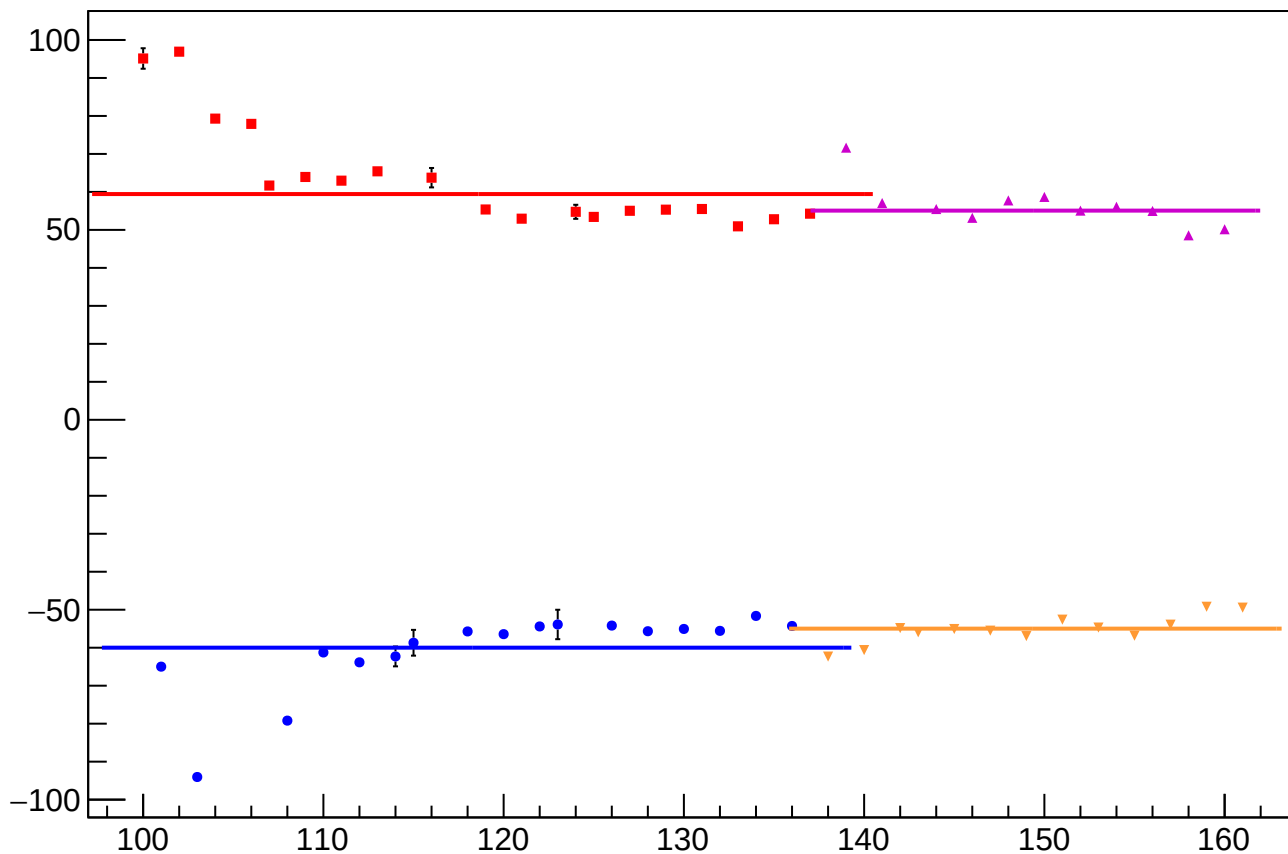
Left In: 1.912+/-0.209 χ^2/NDF : 356.0/10

-1.342+/-0.200 χ^2/NDF : 301.5/12

0.214+/-0.145 χ^2/NDF : 783.9/23

1.912+/-0.209 χ^2/NDF : 356.0/10

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: -54.978 ± 0.143 χ^2/NDF : 626.6/12

Right Out: 59.435 ± 0.212 χ^2/NDF : 2917.9/18

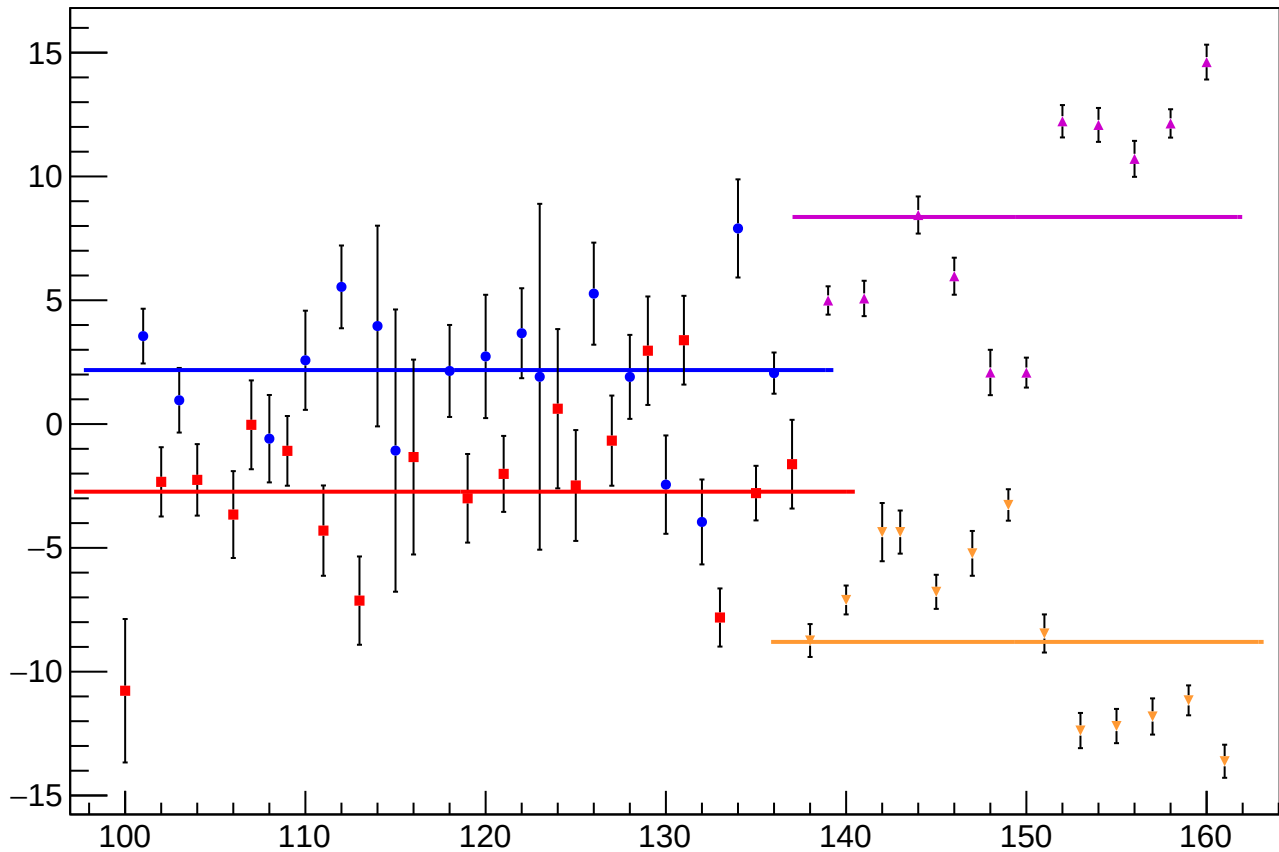
Left In: 55.075 ± 0.152 χ^2/NDF : 758.0/10

-56.421 ± 0.121 χ^2/NDF : 2953.3/29

-1.315 ± 0.086 χ^2/NDF : 434407.8/59

56.560 ± 0.124 χ^2/NDF : 3954.9/29

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -8.797 ± 0.197 $\chi^2/\text{NDF}: 282.6/12$

Right Out: -2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

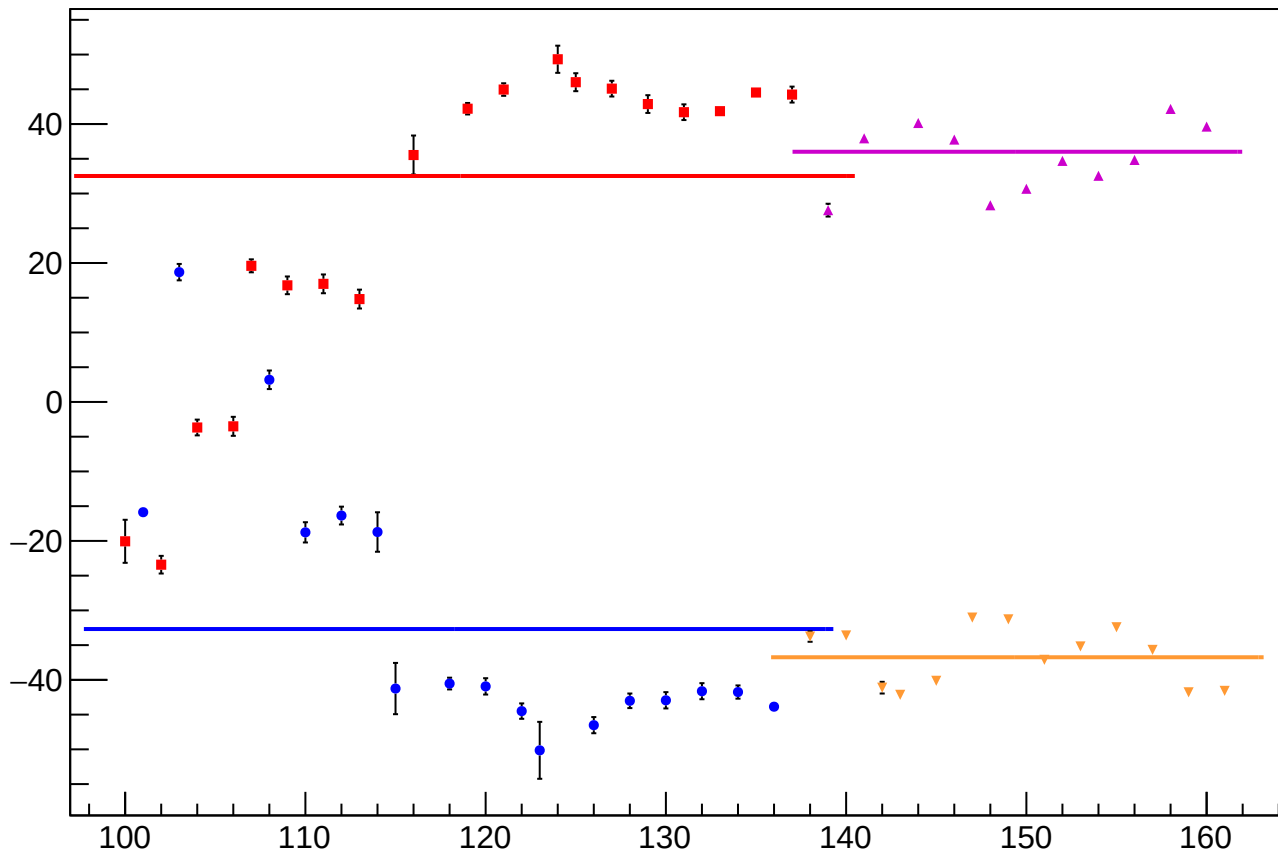
Left In: 8.364 ± 0.204 $\chi^2/\text{NDF}: 418.6/10$

-6.695 ± 0.178 $\chi^2/\text{NDF}: 913.8/29$

-0.487 ± 0.127 $\chi^2/\text{NDF}: 4523.5/59$

5.954 ± 0.181 $\chi^2/\text{NDF}: 1117.7/29$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -36.746 ± 0.167 $\chi^2/\text{NDF}: 615.3/12$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

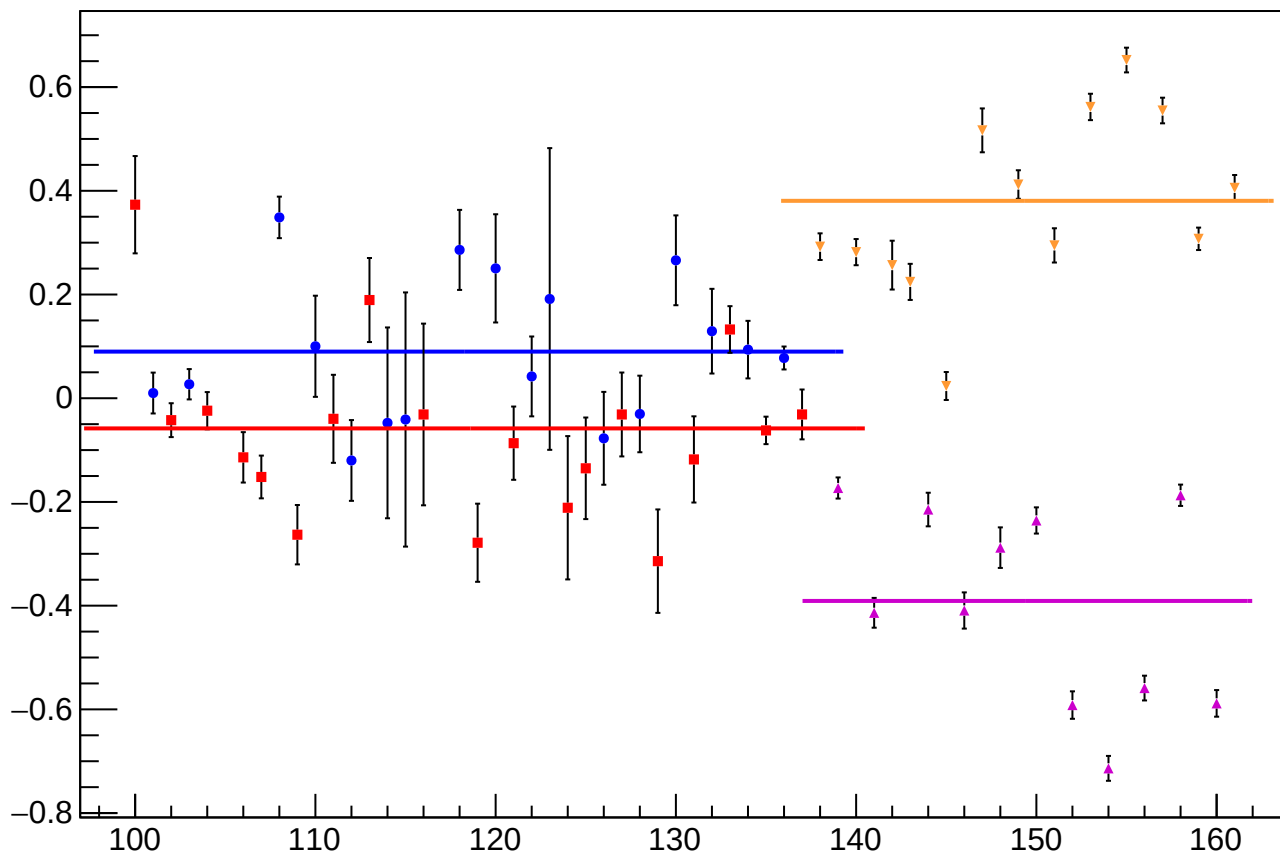
Left In: 36.011 ± 0.176 $\chi^2/\text{NDF}: 666.0/10$

-35.533 ± 0.140 $\chi^2/\text{NDF}: 5439.3/29$

-1.133 ± 0.100 $\chi^2/\text{NDF}: 136250.0/59$

34.815 ± 0.143 $\chi^2/\text{NDF}: 6845.6/29$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.381 ± 0.008 χ^2/NDF : 490.5/12

Right Out: -0.058 ± 0.012 χ^2/NDF : 87.1/18

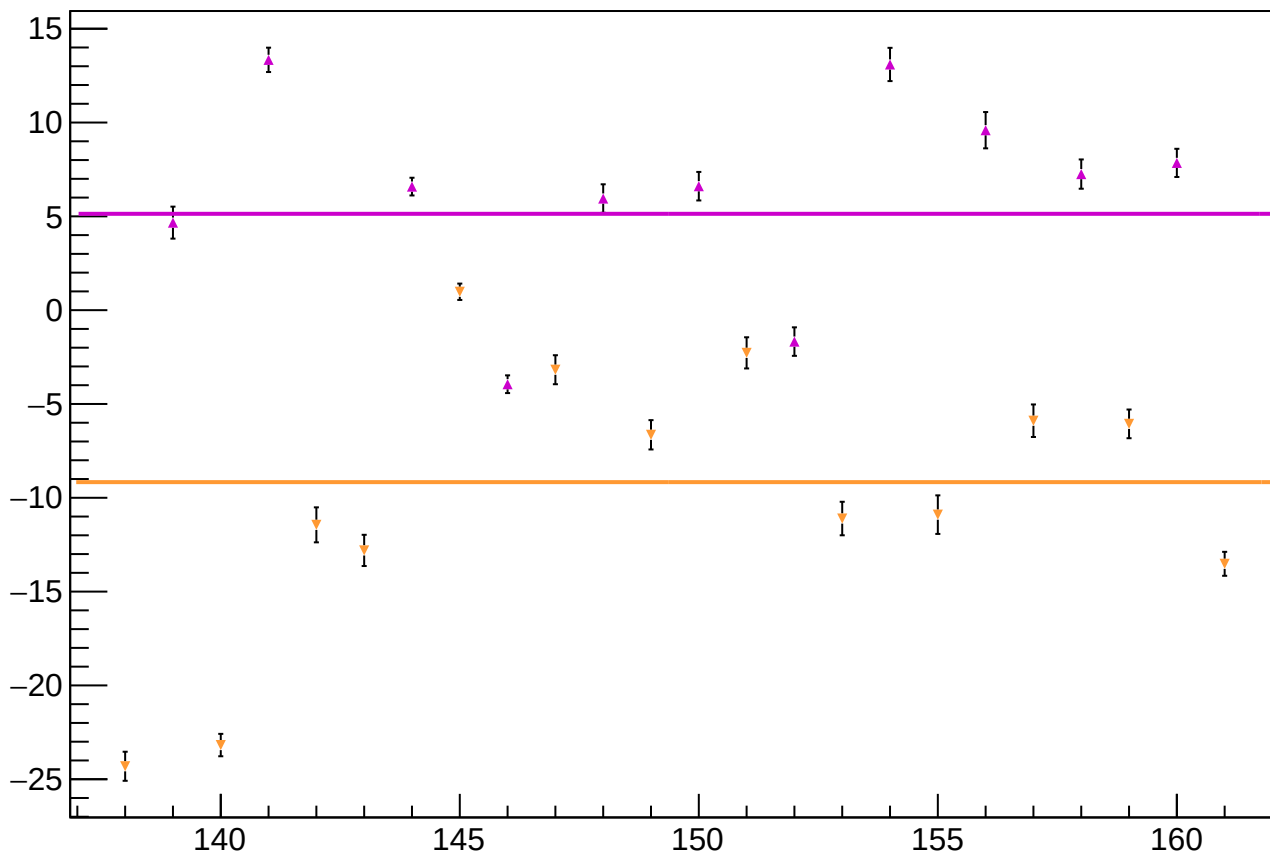
Left In: -0.391 ± 0.008 χ^2/NDF : 634.8/10

0.304 ± 0.007 χ^2/NDF : 952.9/29

0.007 ± 0.005 χ^2/NDF : 6367.2/59

-0.294 ± 0.007 χ^2/NDF : 1251.3/29

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.166+/-0.201 χ^2 /NDF:1724.4/12

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

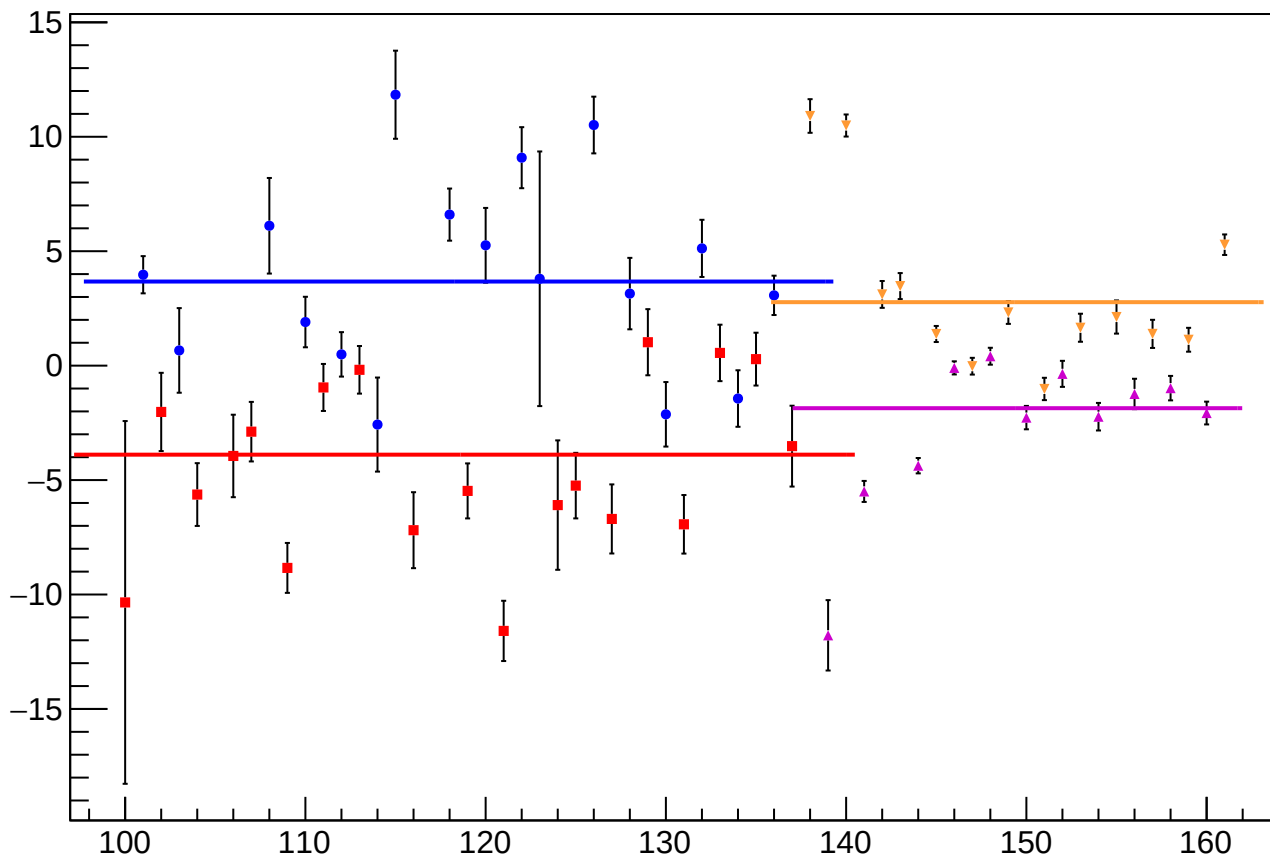
Left In: 5.135+/-0.206 χ^2 /NDF:746.4/10

-9.166+/-0.201 χ^2 /NDF: 1724.4/12

-2.180+/-0.144 χ^2 /NDF: 4946.8/23

5.135+/-0.206 χ^2 /NDF: 746.4/10

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 2.774 ± 0.139 χ^2/NDF : 566.3/12

Right Out: -3.890 ± 0.316 χ^2/NDF : 133.7/18

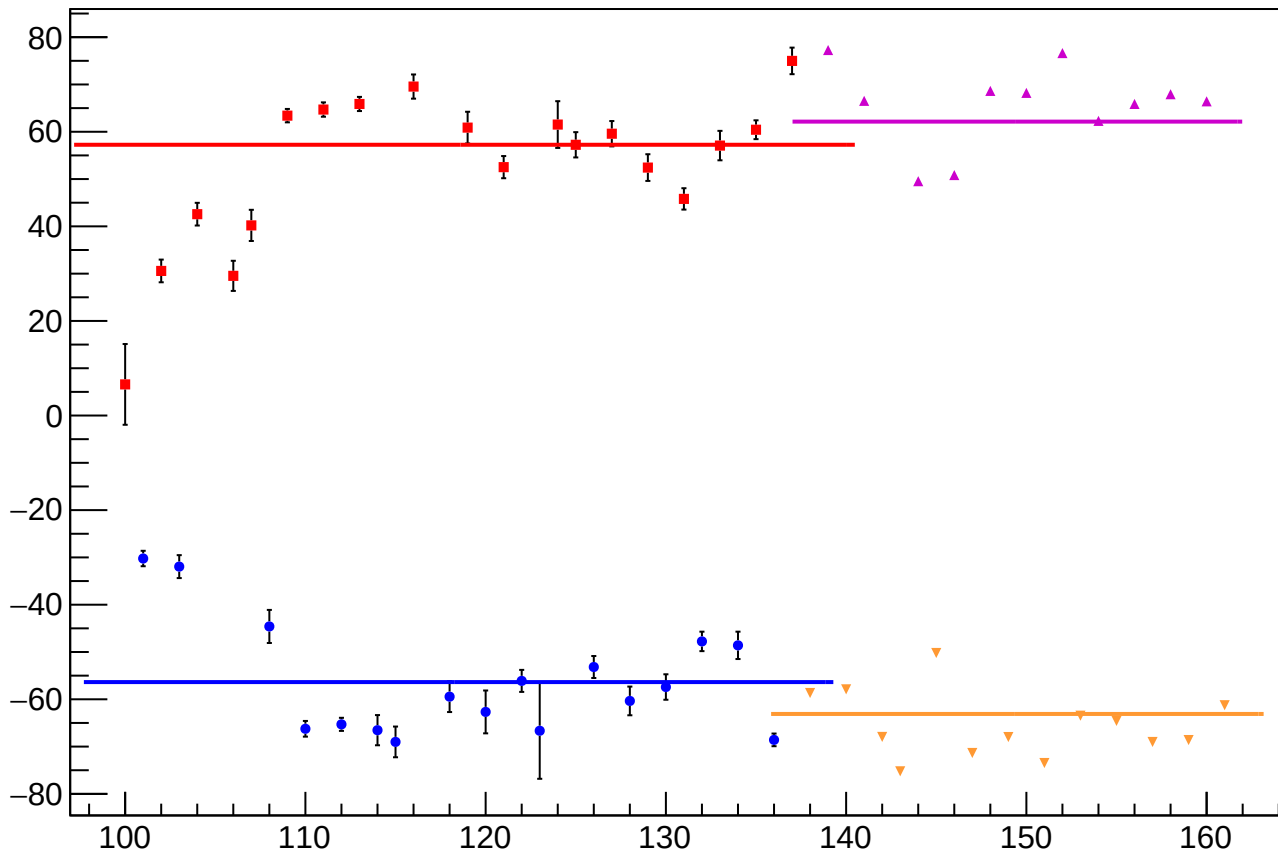
Left In: -1.859 ± 0.137 χ^2/NDF : 247.5/10

2.924 ± 0.127 χ^2/NDF : 708.5/29

0.355 ± 0.089 χ^2/NDF : 1940.3/59

-2.182 ± 0.126 χ^2/NDF : 416.0/29

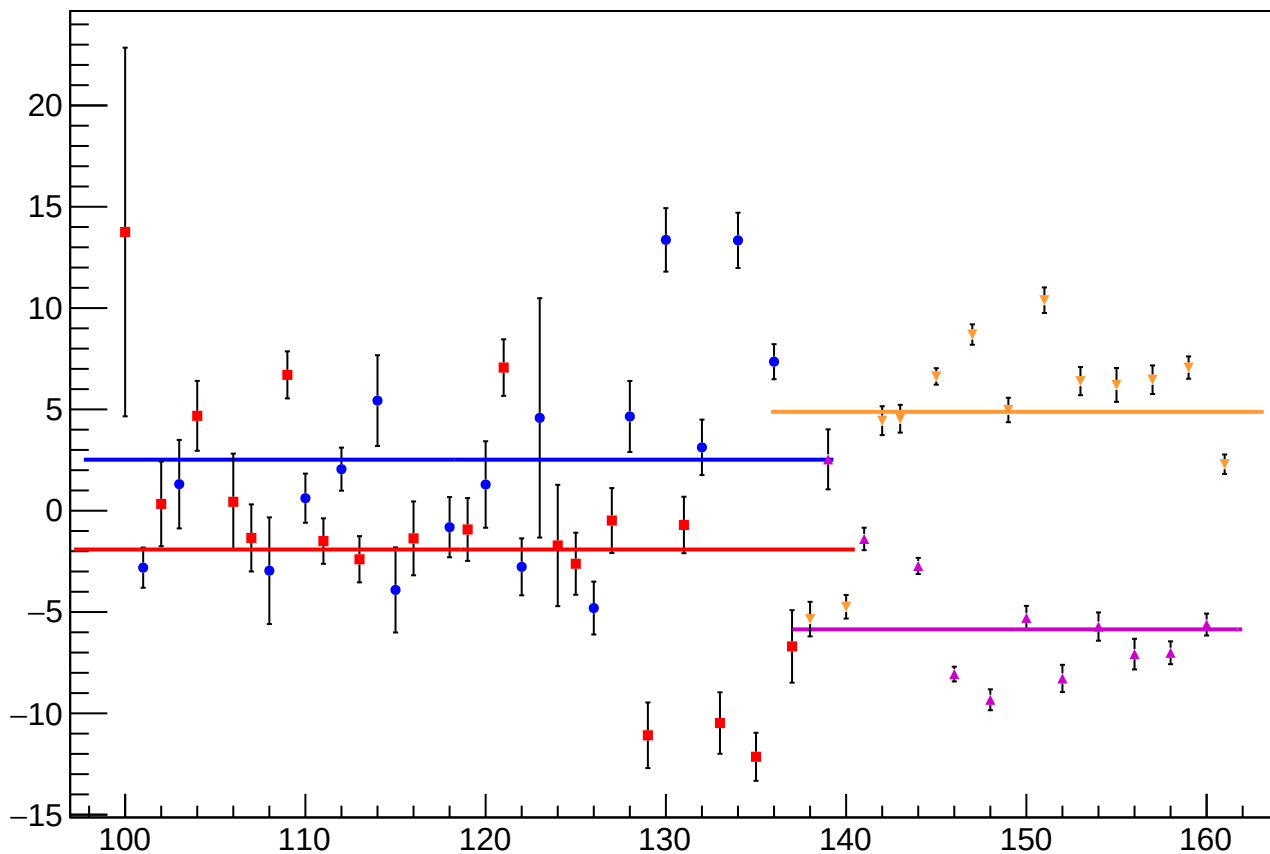
reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362±/0.543 χ^2/NDF : 587.2/16
 Left Out: -63.099±/0.200 χ^2/NDF :1550.6/12
 Right Out: 57.252±/0.536 χ^2/NDF : 476.0/18
 Left In: 62.146±/0.202 χ^2/NDF :2223.0/10

-62.294±/0.188 χ^2/NDF : 2273.2/29
 -0.706±/0.133 χ^2/NDF : 221291.4/59
 61.539±/0.189 χ^2/NDF : 2772.0/29

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 4.881 ± 0.165 χ^2/NDF : 624.5/12

Right Out: -1.914 ± 0.355 χ^2/NDF : 264.5/18

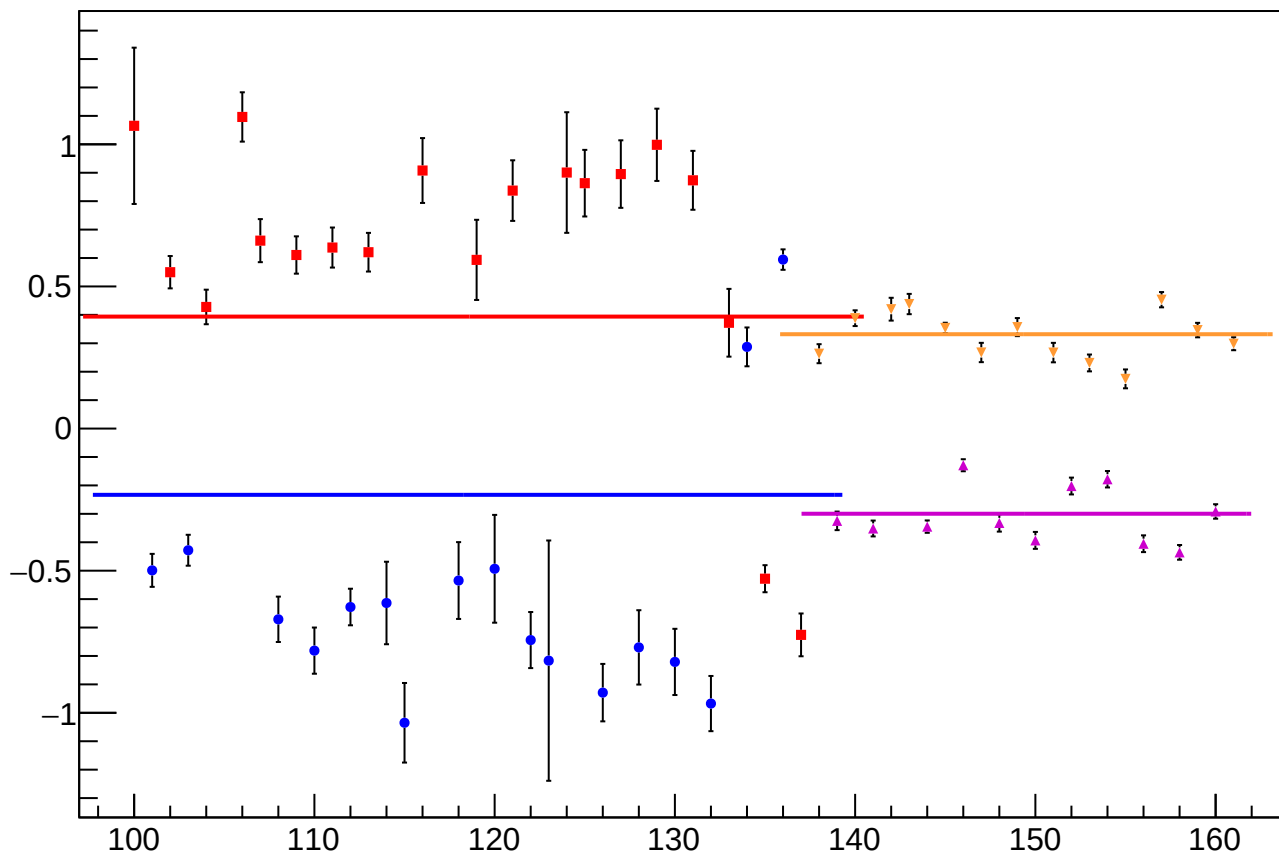
Left In: -5.856 ± 0.165 χ^2/NDF : 261.2/10

4.447 ± 0.149 χ^2/NDF : 904.6/29

-0.327 ± 0.106 χ^2/NDF : 3599.8/59

-5.154 ± 0.150 χ^2/NDF : 627.1/29

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 $\pm$ 0.019 χ^2 /NDF: 956.8/16

Left Out: 0.332 $\pm$ 0.008 χ^2 /NDF: 88.1/12

Right Out: 0.394 $\pm$ 0.019 χ^2 /NDF: 845.2/18

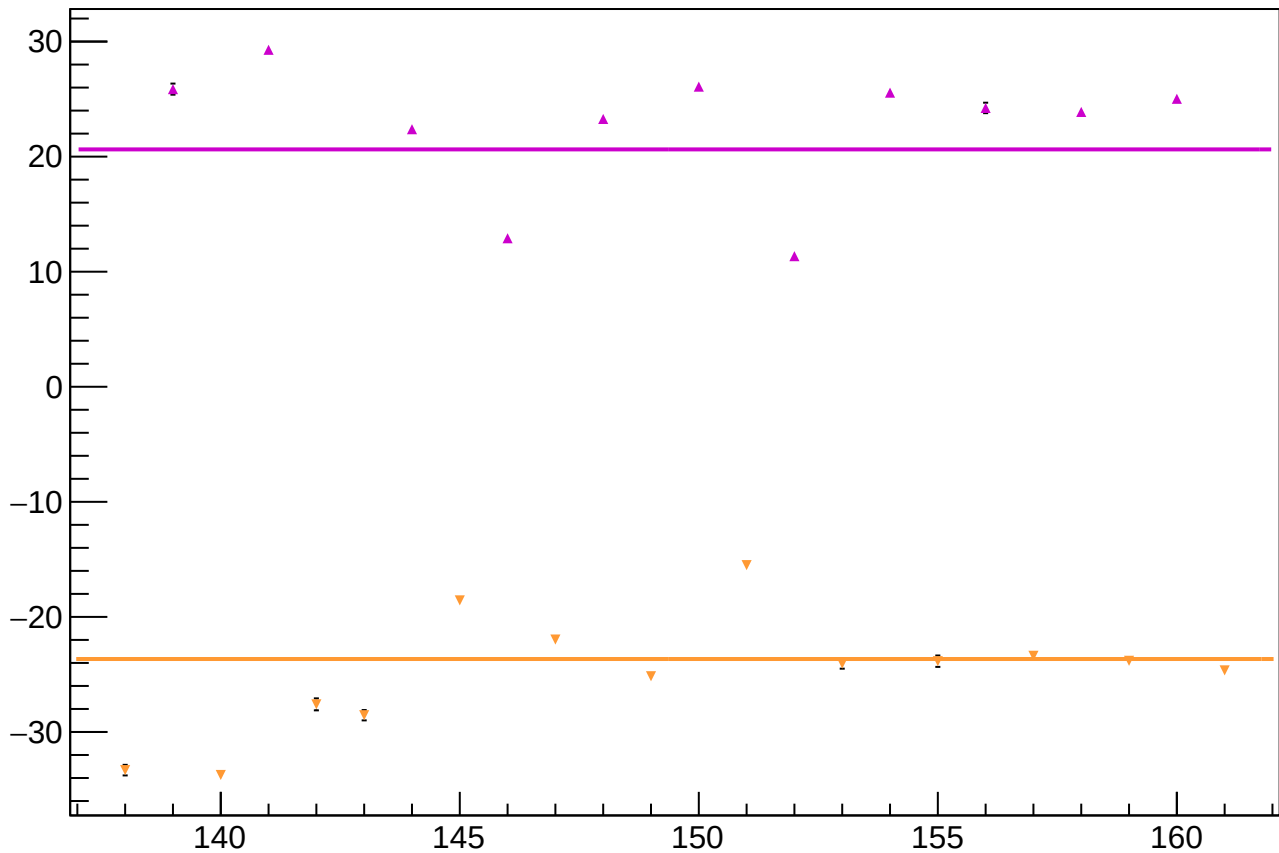
Left In: -0.300 $\pm$ 0.008 χ^2 /NDF: 153.3/10

0.249 $\pm$ 0.007 χ^2 /NDF: 1806.9/29

0.034 $\pm$ 0.005 χ^2 /NDF: 5741.9/59

-0.193 $\pm$ 0.007 χ^2 /NDF: 2127.6/29

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.659±/-0.099 χ^2/NDF : 2693.5/12

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

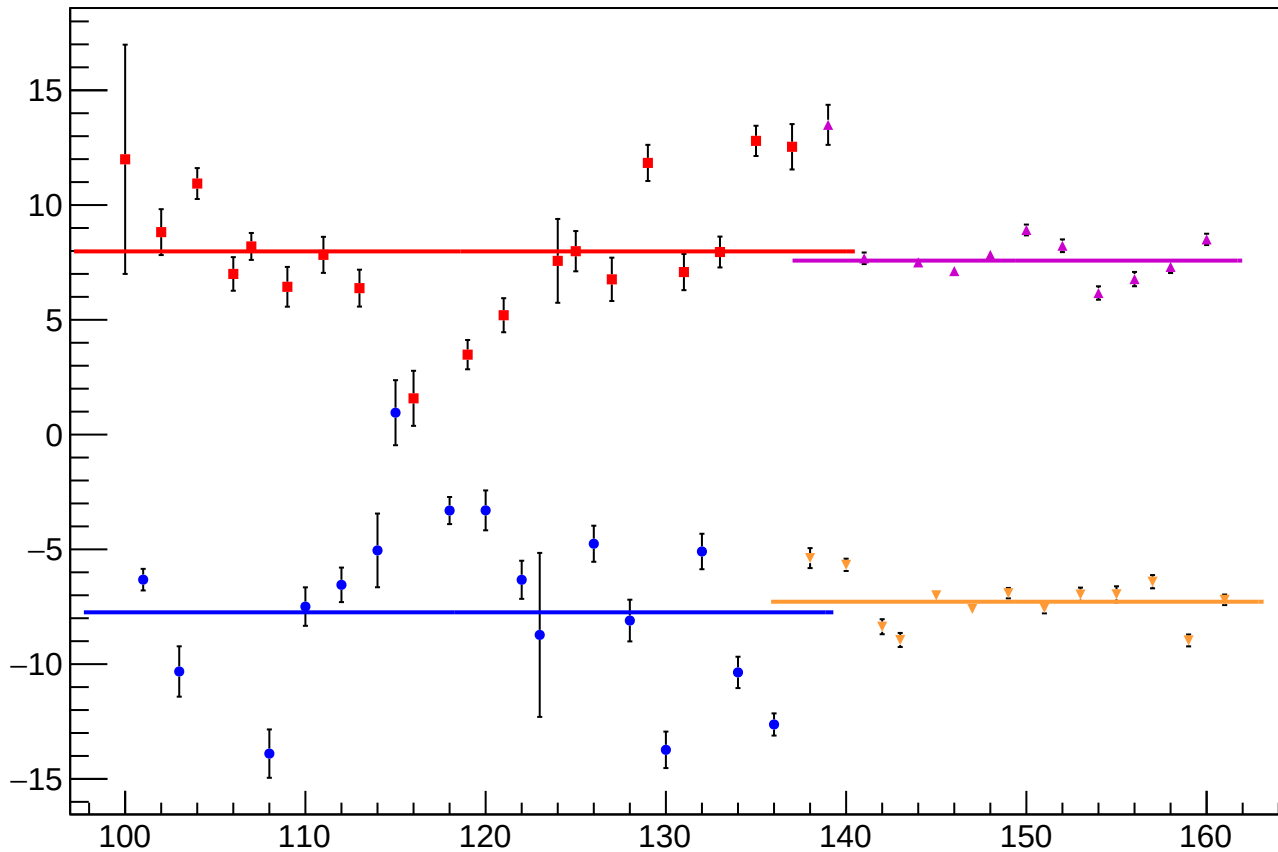
Left In: 20.628±/-0.096 χ^2/NDF : 3794.9/10

-23.659±/-0.099 χ^2/NDF : 2693.5/12

-0.932±/-0.069 χ^2/NDF : 109443.9/23

20.628±/-0.096 χ^2/NDF : 3794.9/10

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743+/-0.187 χ^2/NDF : 377.5/16

Left Out: -7.281+/-0.068 χ^2/NDF :159.3/12

Right Out: 7.981+/-0.186 χ^2/NDF : 223.5/18

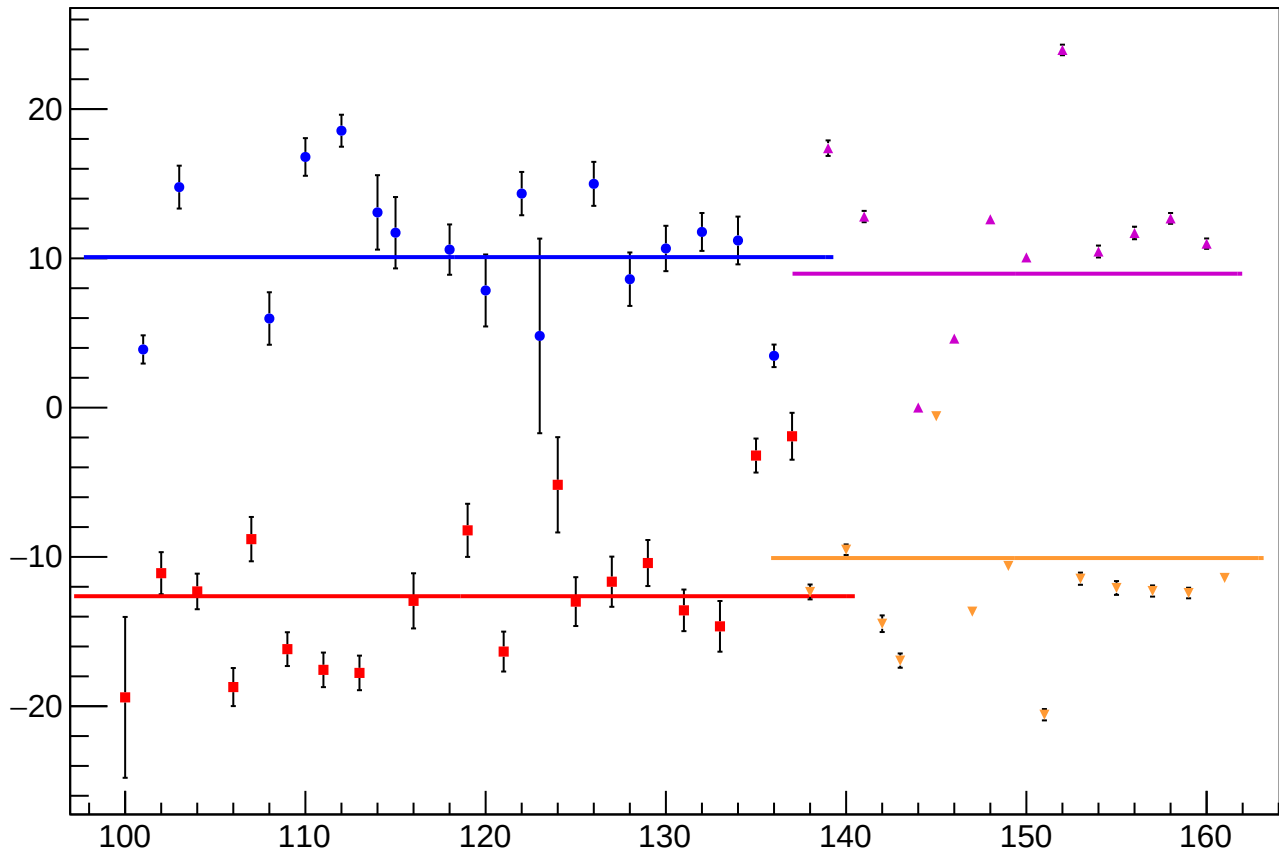
Left In: 7.580+/-0.064 χ^2/NDF :146.3/10

-7.335+/-0.064 χ^2/NDF : 542.2/29

0.577+/-0.044 χ^2/NDF : 29850.4/59

7.622+/-0.060 χ^2/NDF : 374.0/29

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -10.075 ± 0.098 χ^2/NDF : 3421.8/12

Right Out: -12.632 ± 0.333 χ^2/NDF : 218.6/18

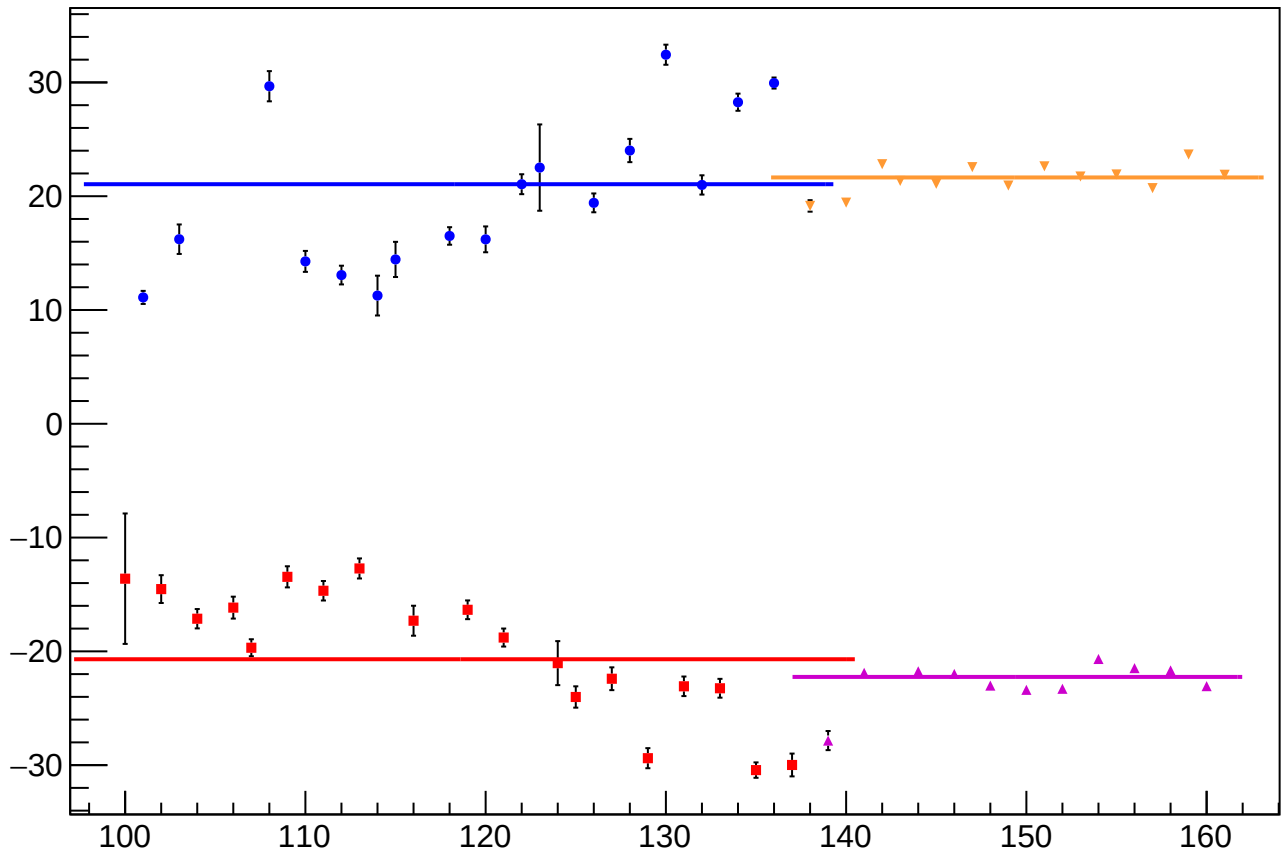
Left In: 8.973 ± 0.094 χ^2/NDF : 4457.9/10

-8.510 ± 0.094 χ^2/NDF : 6956.7/29

-0.262 ± 0.065 χ^2/NDF : 30310.1/59

7.371 ± 0.091 χ^2/NDF : 8581.5/29

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 ± 0.211 $\chi^2/\text{NDF}: 1211.8/16$

Left Out: 21.649 ± 0.081 $\chi^2/\text{NDF}: 185.0/12$

Right Out: -20.694 ± 0.213 $\chi^2/\text{NDF}: 724.1/18$

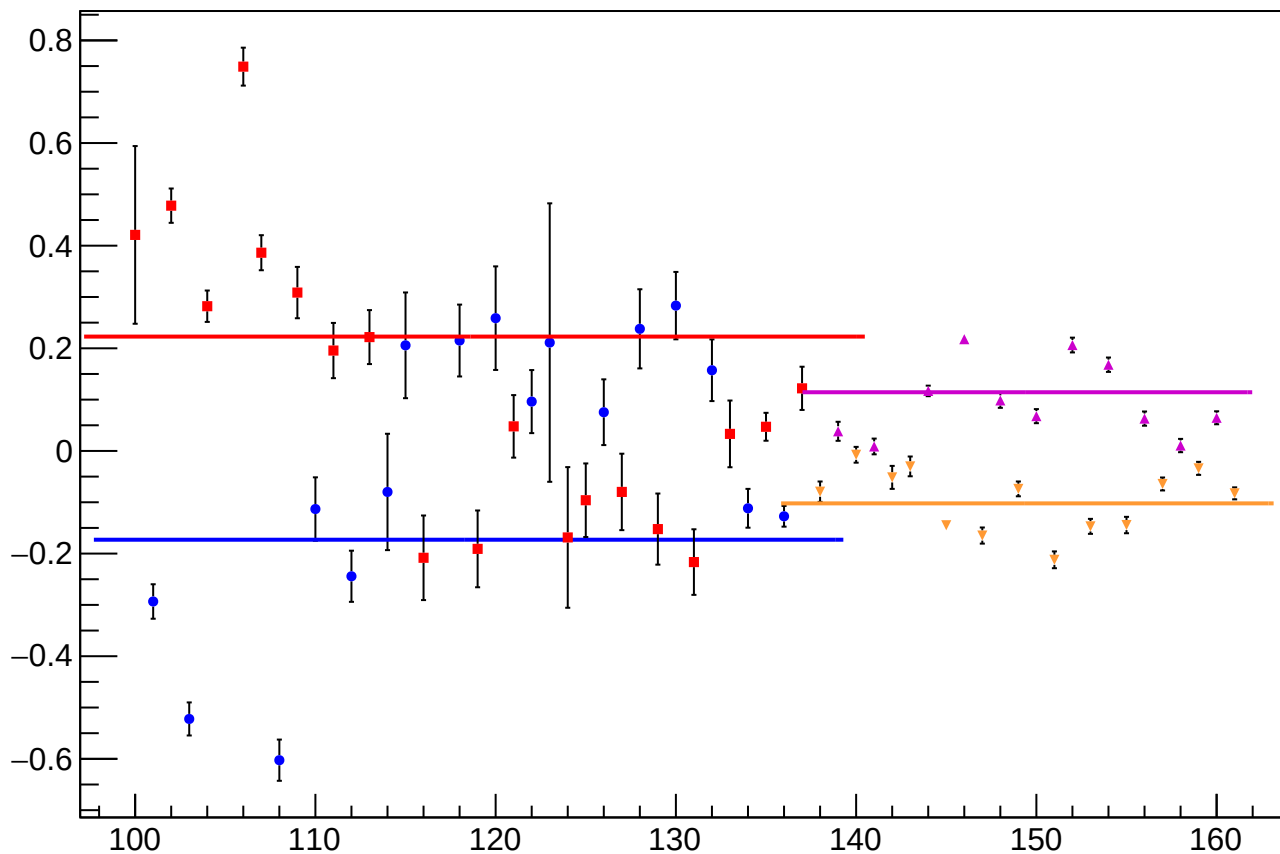
Left In: -22.247 ± 0.077 $\chi^2/\text{NDF}: 132.5/10$

21.573 ± 0.076 $\chi^2/\text{NDF}: 1403.7/29$

-1.176 ± 0.052 $\chi^2/\text{NDF}: 176377.0/59$

-22.067 ± 0.072 $\chi^2/\text{NDF}: 903.7/29$

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: -0.102 ± 0.004 χ^2/NDF : 207.6/12

Right Out: 0.223 ± 0.011 χ^2/NDF : 535.1/18

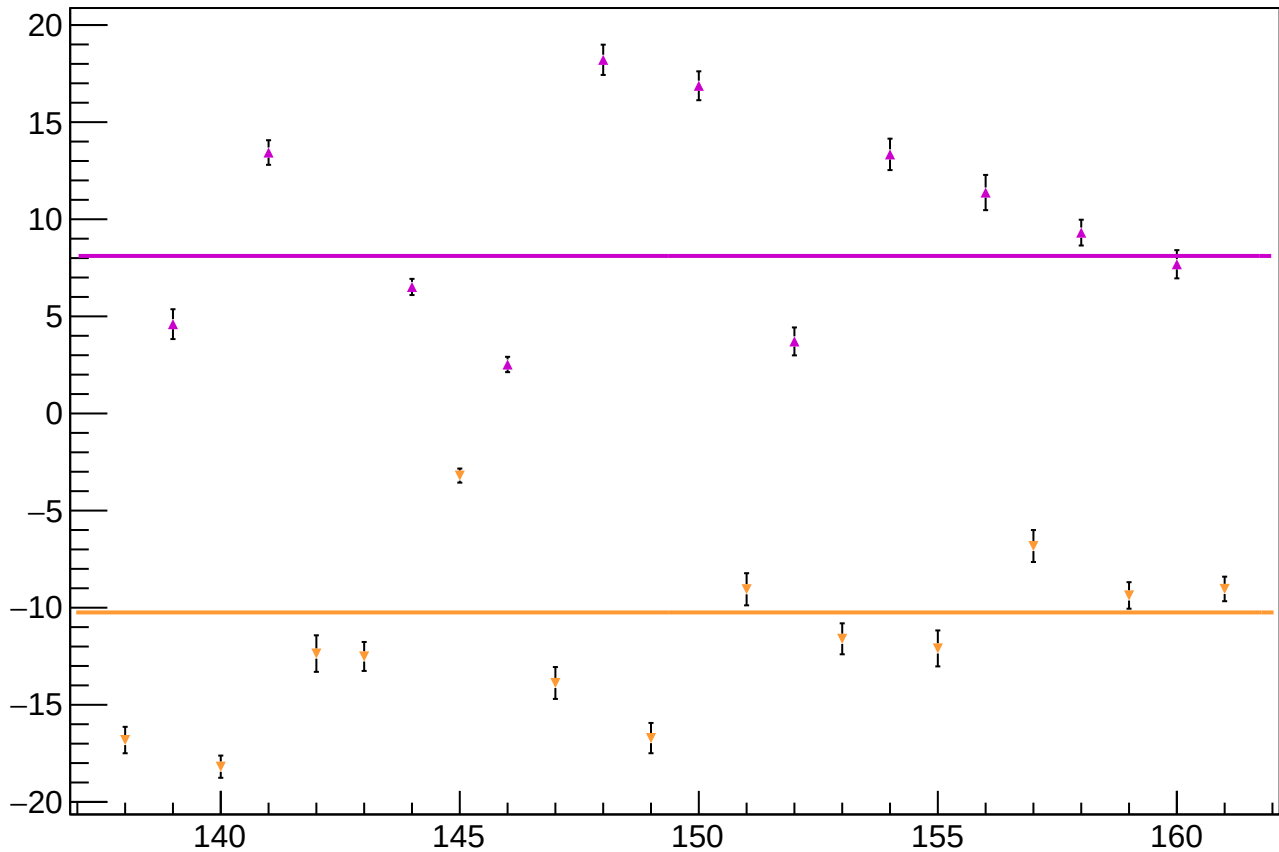
Left In: 0.114 ± 0.004 χ^2/NDF : 375.4/10

-0.110 ± 0.004 χ^2/NDF : 705.2/29

0.009 ± 0.003 χ^2/NDF : 3815.2/59

0.126 ± 0.004 χ^2/NDF : 997.8/29

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.244+/-0.185 χ^2/NDF : 797.8/12

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

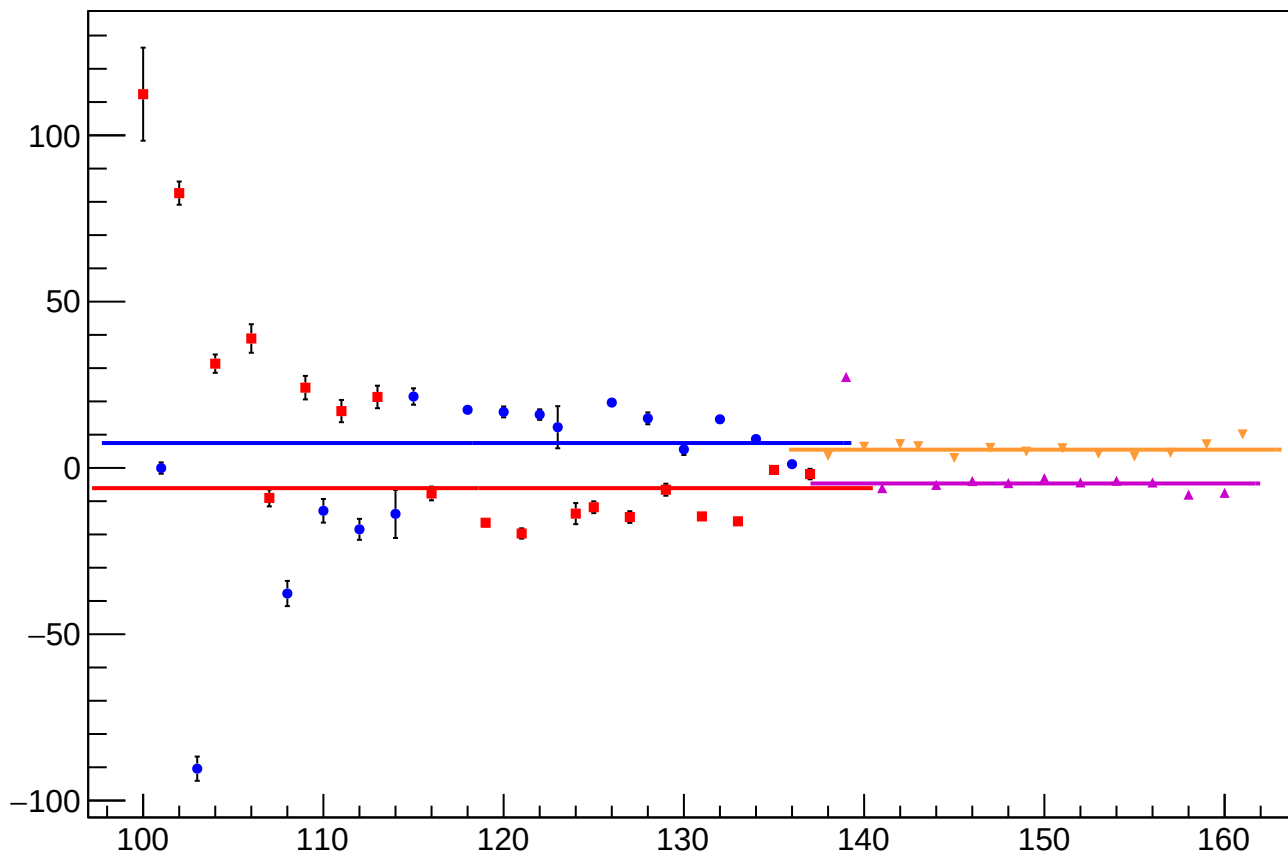
Left In: 8.111+/-0.187 χ^2/NDF : 709.4/10

-10.244+/-0.185 χ^2/NDF : 797.8/12

-1.151+/-0.131 χ^2/NDF : 6382.0/23

8.111+/-0.187 χ^2/NDF : 709.4/10

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: 5.492 ± 0.130 χ^2/NDF : 240.7/12

Right Out: -6.078 ± 0.434 χ^2/NDF : 1512.1/18

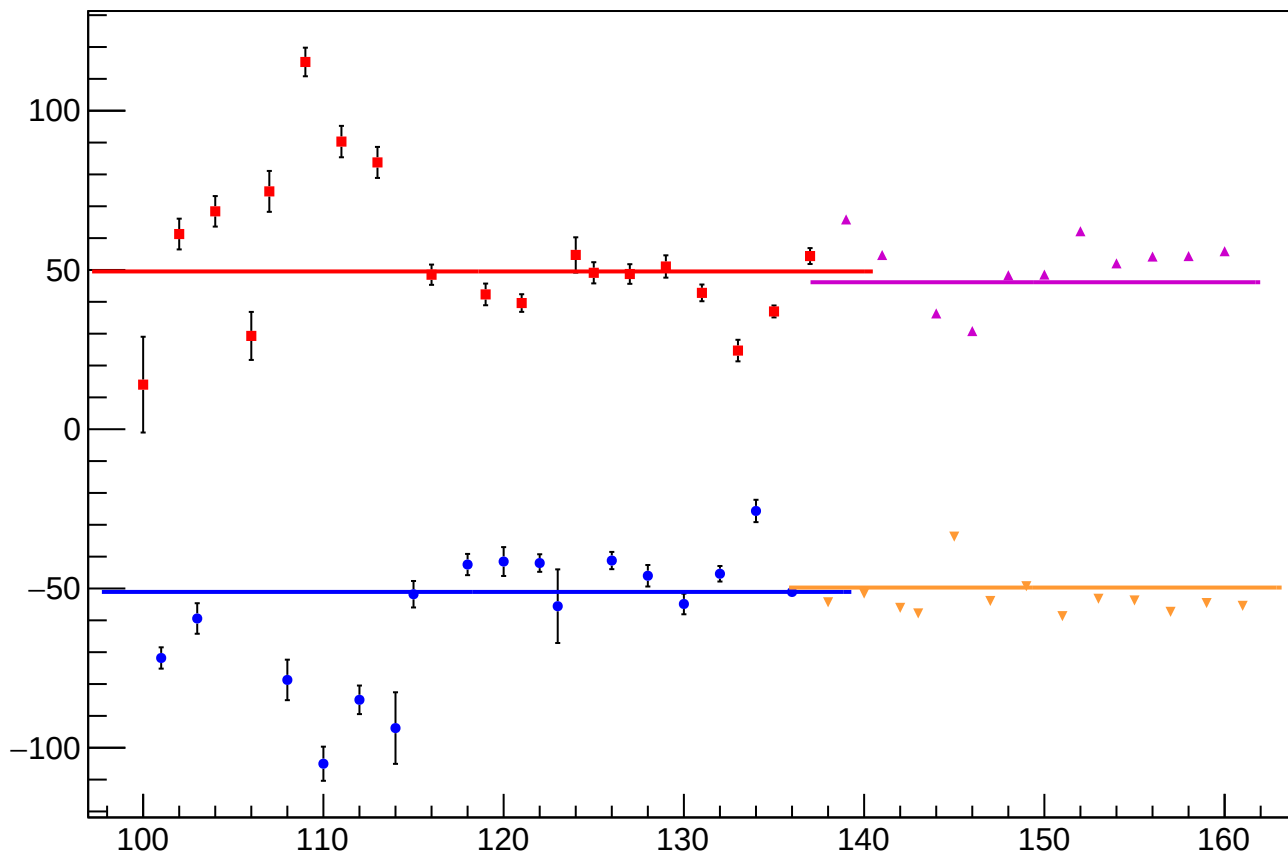
Left In: -4.672 ± 0.127 χ^2/NDF : 659.3/10

5.678 ± 0.124 χ^2/NDF : 1603.0/29

0.355 ± 0.087 χ^2/NDF : 7405.4/59

-4.783 ± 0.122 χ^2/NDF : 2181.0/29

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: -49.708 ± 0.185 χ^2/NDF : 2350.4/12

Right Out: 49.537 ± 0.798 χ^2/NDF : 509.6/18

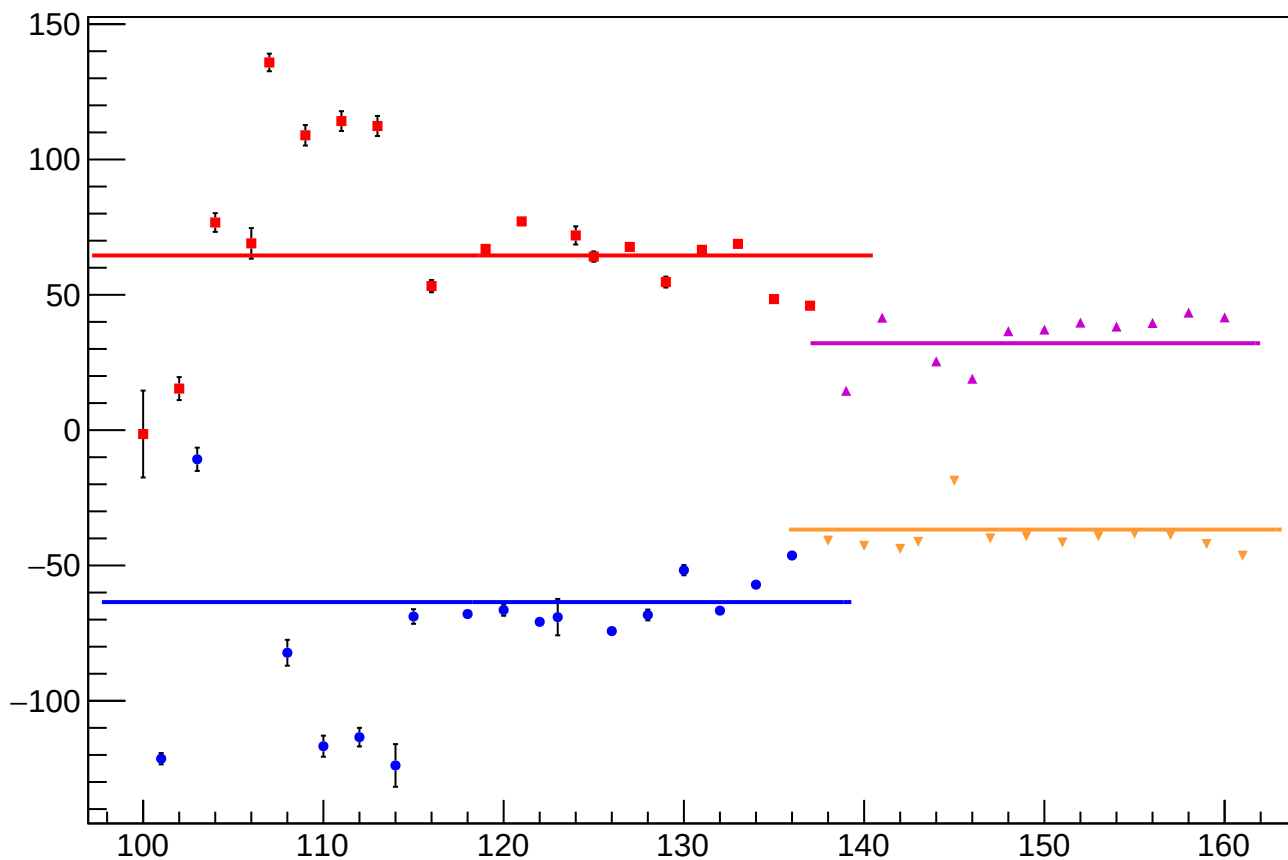
Left In: 46.149 ± 0.184 χ^2/NDF : 3937.4/10

-49.789 ± 0.180 χ^2/NDF : 2683.8/29

-1.461 ± 0.127 χ^2/NDF : 150678.3/59

46.319 ± 0.179 χ^2/NDF : 4464.1/29

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: -36.733 ± 0.153 χ^2/NDF : 3892.6/12

Right Out: 64.540 ± 0.483 χ^2/NDF : 1603.1/18

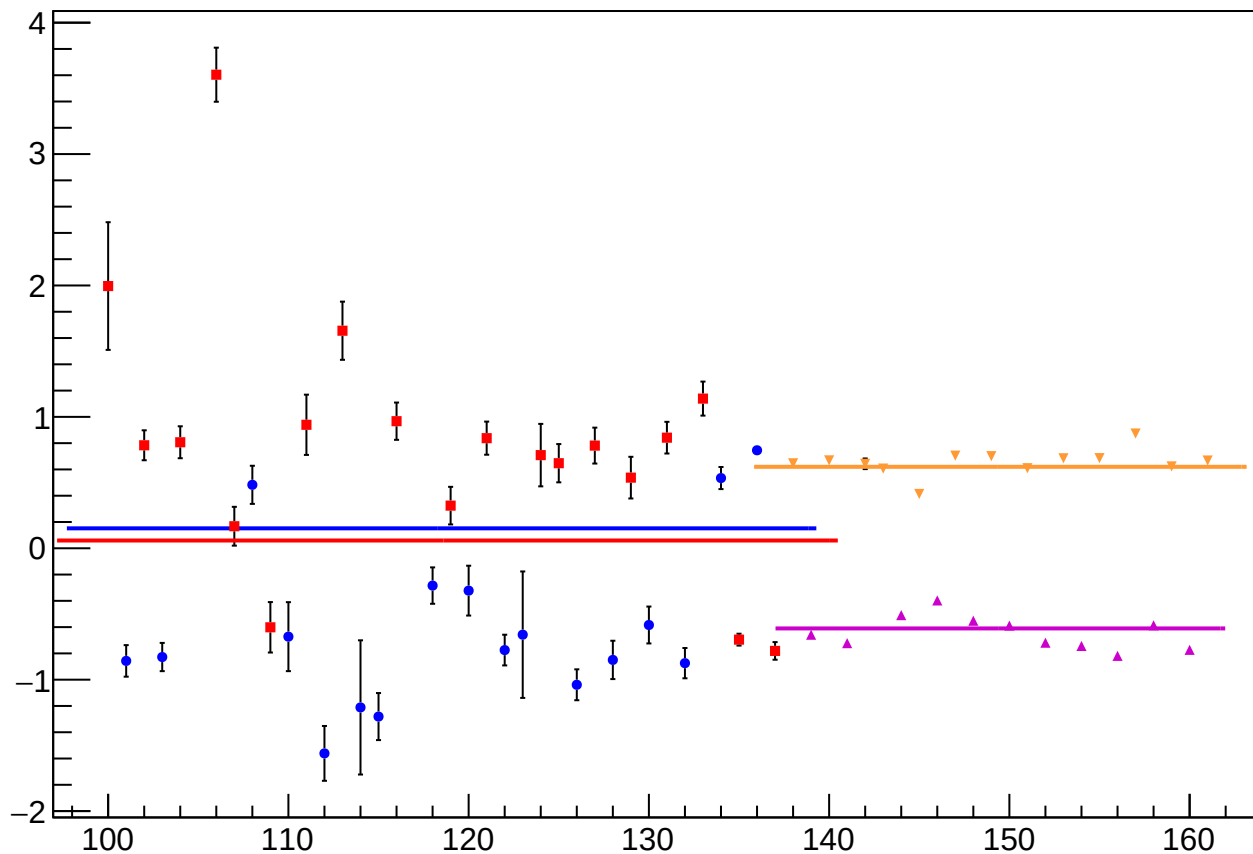
Left In: 32.116 ± 0.151 χ^2/NDF : 3959.8/10

-39.539 ± 0.145 χ^2/NDF : 9095.8/29

-2.093 ± 0.102 χ^2/NDF : 151195.9/59

35.021 ± 0.145 χ^2/NDF : 9666.3/29

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

Left Out: 0.620 $\pm$ 0.007 χ^2 /NDF: 315.5/12

Right Out: 0.059 $\pm$ 0.026 χ^2 /NDF: 1161.9/18

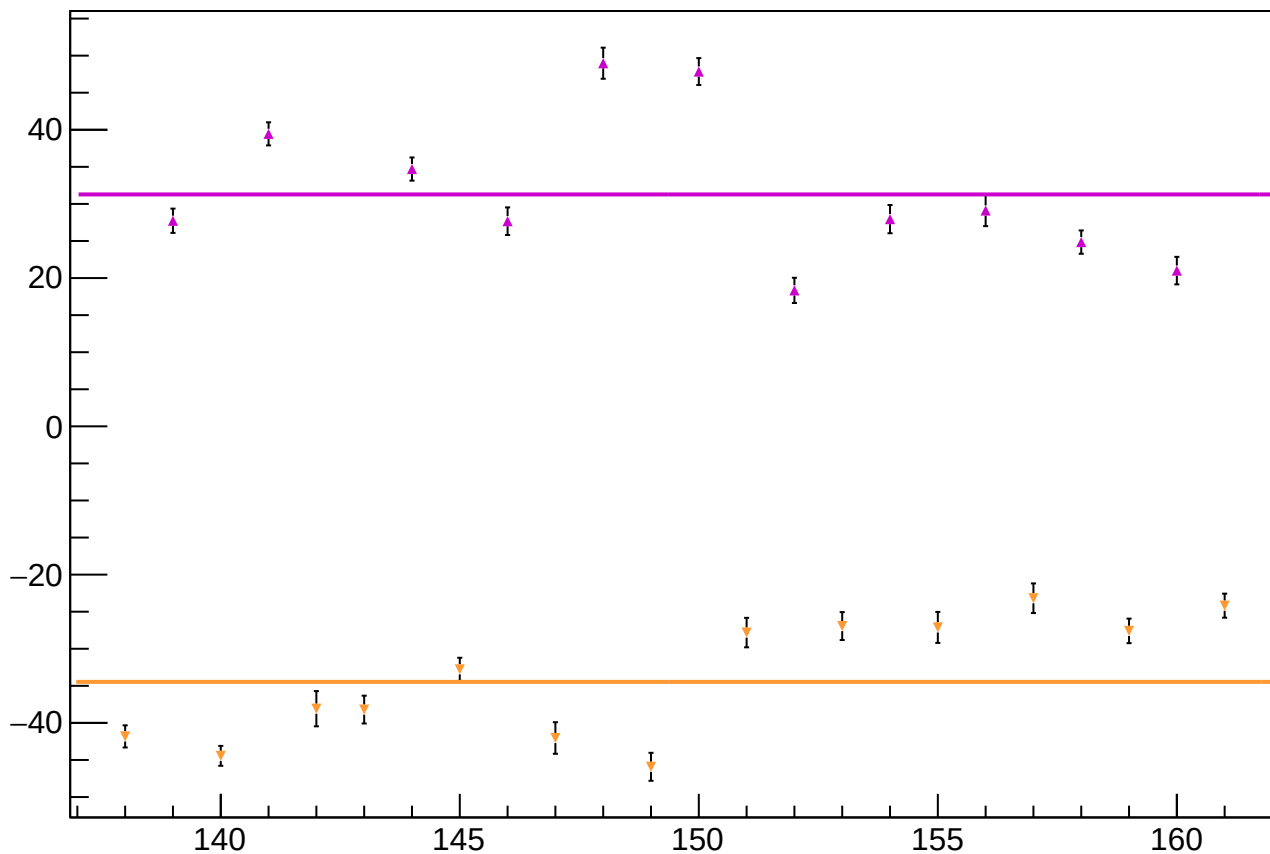
Left In: -0.610 $\pm$ 0.007 χ^2 /NDF: 335.8/10

0.581 $\pm$ 0.007 χ^2 /NDF: 1651.0/29

0.026 $\pm$ 0.005 χ^2 /NDF: 16959.5/59

-0.561 $\pm$ 0.007 χ^2 /NDF: 2097.9/29

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -34.469 ± 0.491 χ^2/NDF : 265.4/12

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

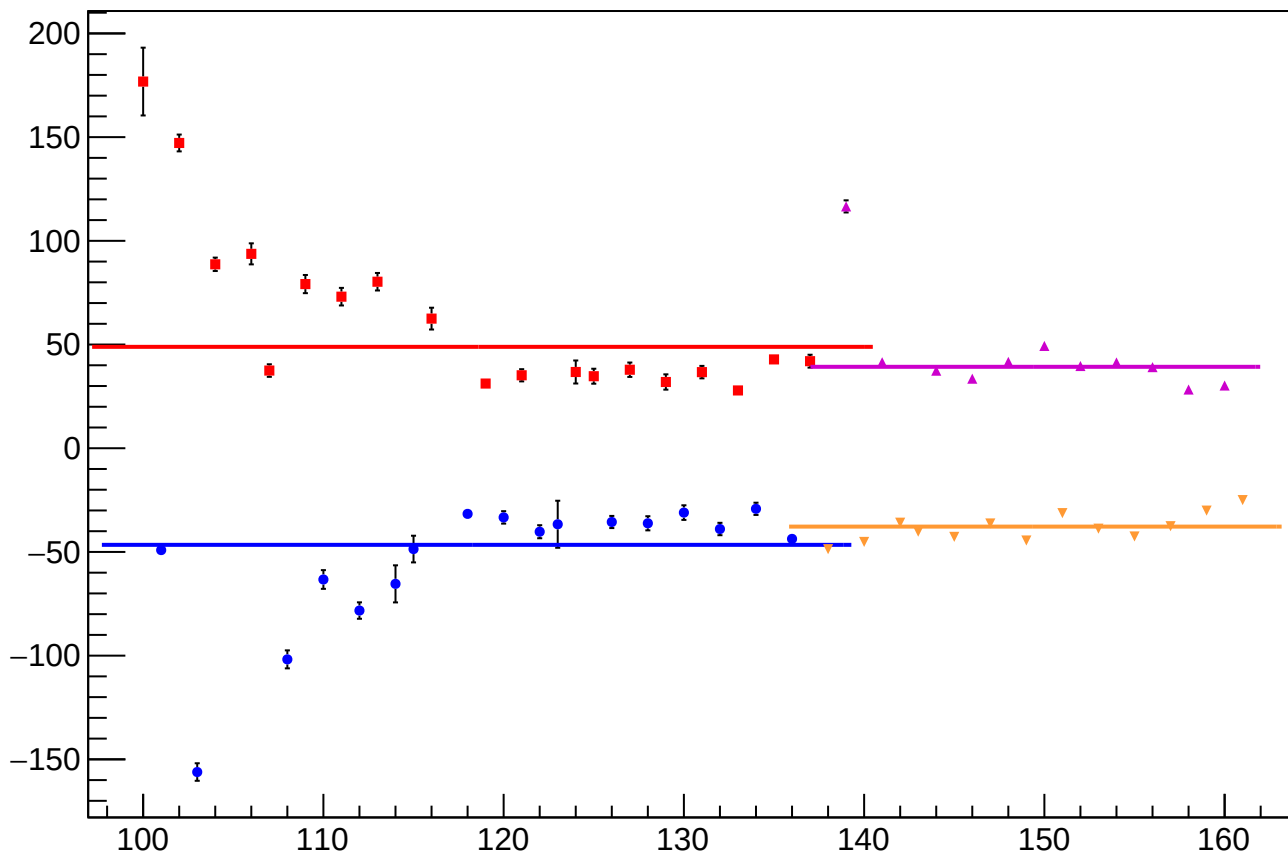
Left In: 31.279 ± 0.530 χ^2/NDF : 305.2/10

-34.469 ± 0.491 χ^2/NDF : 265.4/12

-4.084 ± 0.360 χ^2/NDF : 8840.4/23

31.279 ± 0.530 χ^2/NDF : 305.2/10

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -37.783 ± 0.344 χ^2/NDF : 366.3/12

Right Out: 48.888 ± 0.763 χ^2/NDF : 1277.5/18

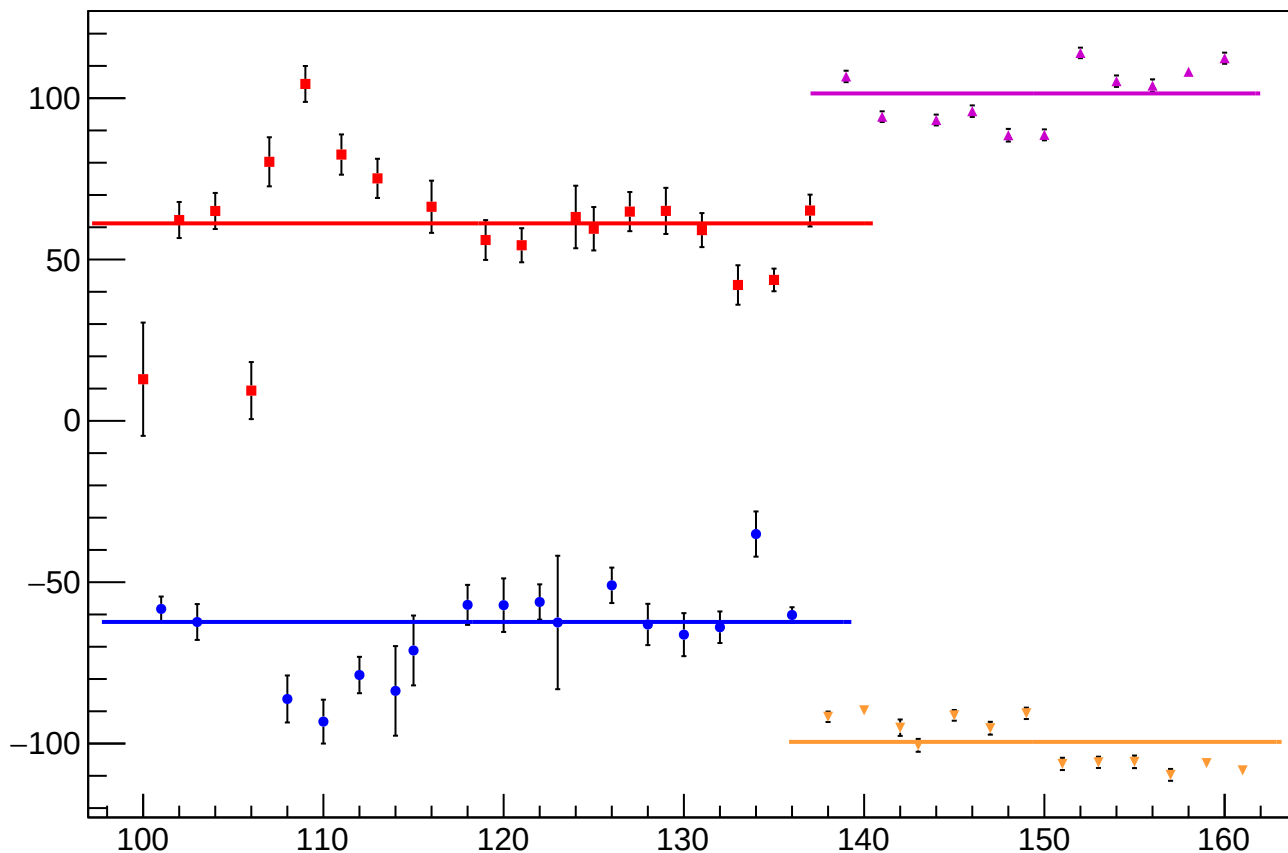
Left In: 39.262 ± 0.370 χ^2/NDF : 960.9/10

-39.384 ± 0.311 χ^2/NDF : 1561.5/29

-1.816 ± 0.227 χ^2/NDF : 35119.4/59

41.090 ± 0.333 χ^2/NDF : 2367.1/29

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: -95.005 ± 0.457 $\chi^2/\text{NDF}: 245.4/12$

Right Out: 61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$

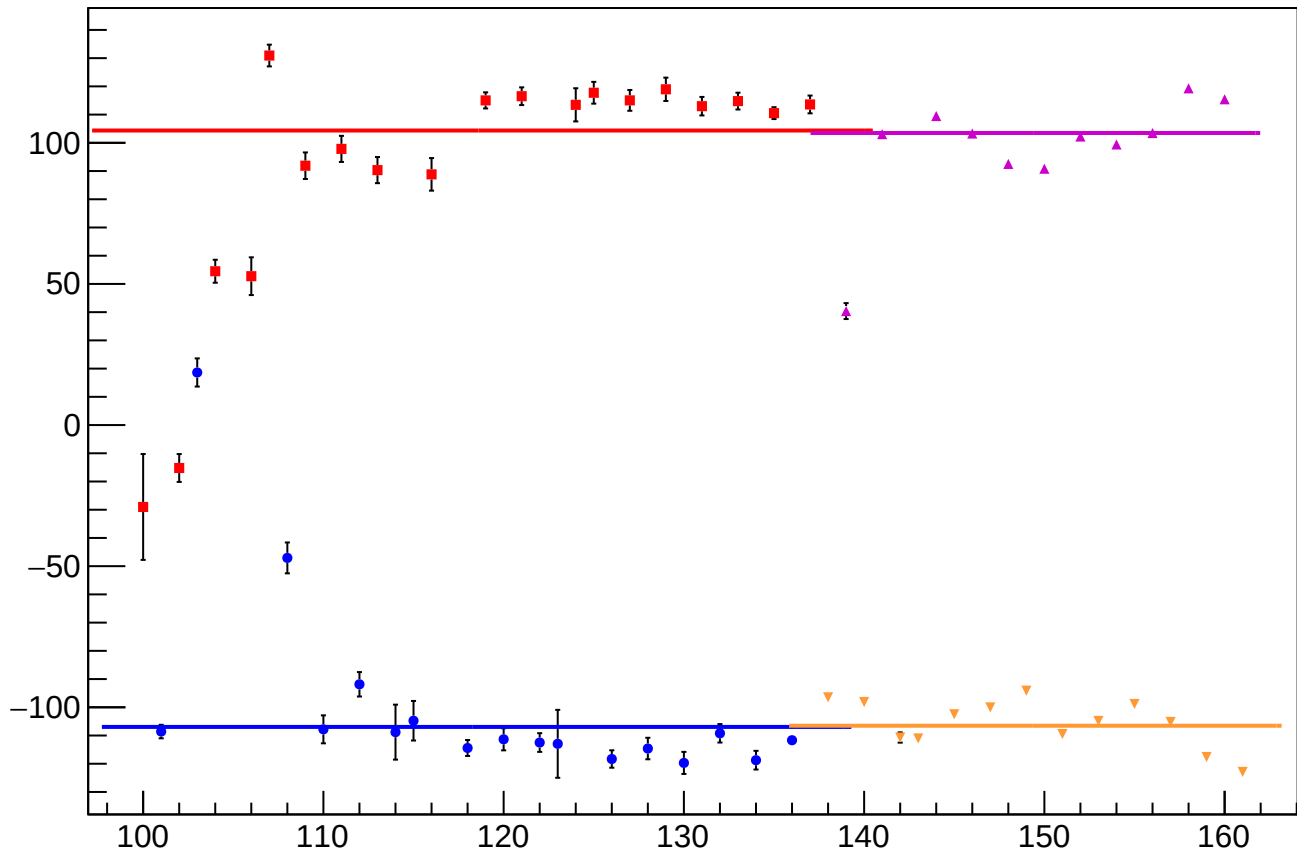
Left In: 101.470 ± 0.518 $\chi^2/\text{NDF}: 289.4/10$

-95.005 ± 0.457 $\chi^2/\text{NDF}: 1014.5/29$

-4.975 ± 0.332 $\chi^2/\text{NDF}: 84904.7/59$

96.508 ± 0.485 $\chi^2/\text{NDF}: 1199.8/29$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -106.536 ± 0.405 χ^2/NDF : 484.4/12

Right Out: 104.356 ± 0.861 χ^2/NDF : 1021.0/18

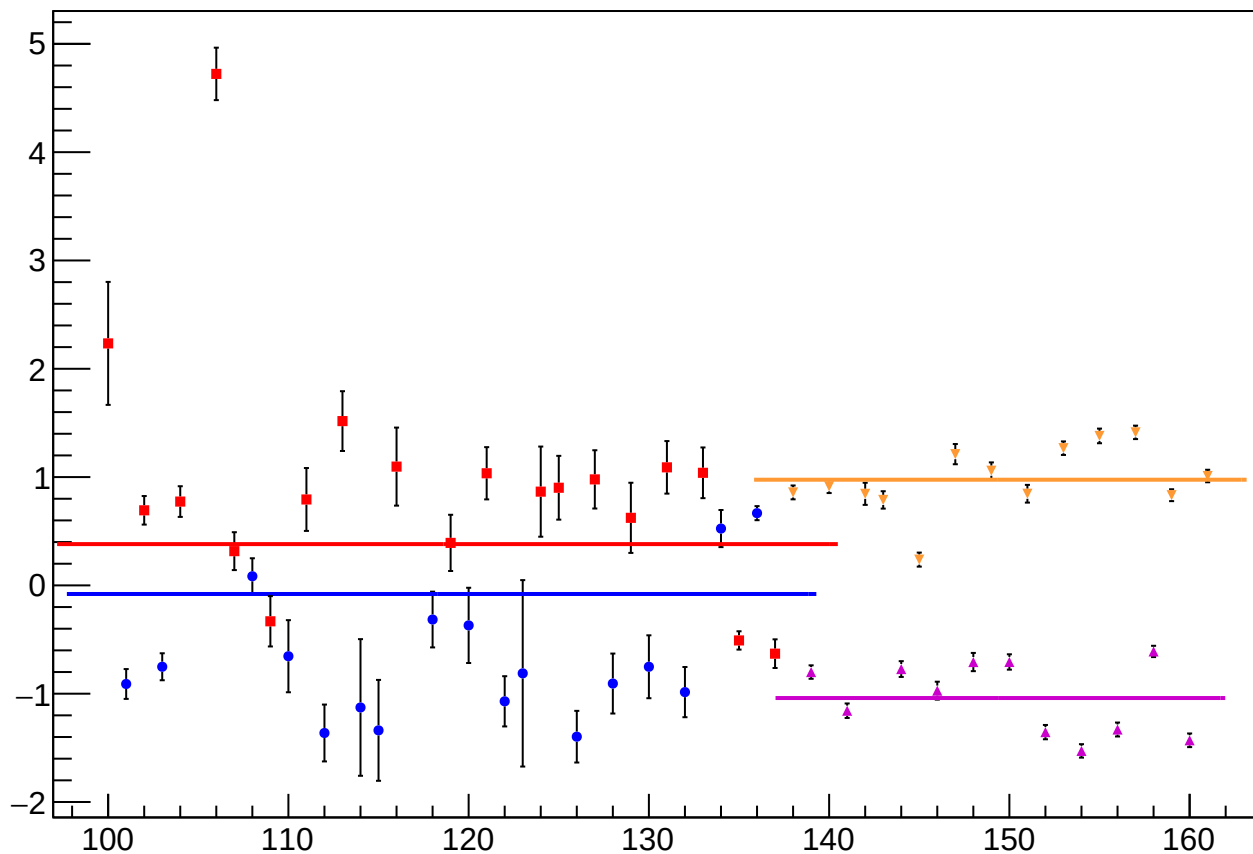
Left In: 103.483 ± 0.434 χ^2/NDF : 940.1/10

-106.618 ± 0.363 χ^2/NDF : 1311.9/29

-8.348 ± 0.265 χ^2/NDF : 160093.8/59

103.659 ± 0.388 χ^2/NDF : 1961.9/29

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: 0.976 ± 0.019 χ^2/NDF : 265.1/12

Right Out: 0.381 ± 0.044 χ^2/NDF : 580.5/18

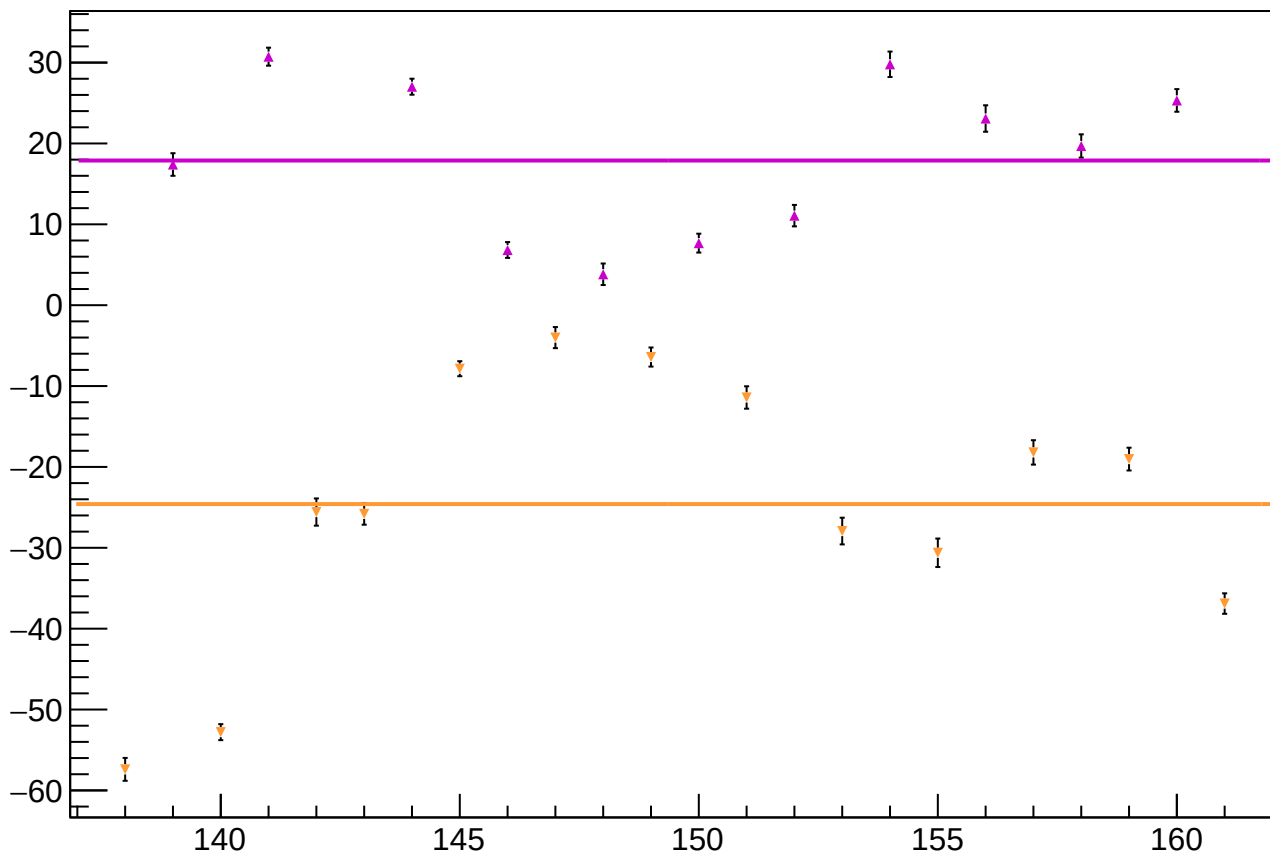
Left In: -1.040 ± 0.020 χ^2/NDF : 281.0/10

0.799 ± 0.017 χ^2/NDF : 1112.7/29

0.042 ± 0.013 χ^2/NDF : 6889.4/59

-0.797 ± 0.018 χ^2/NDF : 1726.1/29

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.594+/-0.361 χ^2/NDF : 2394.9/12

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

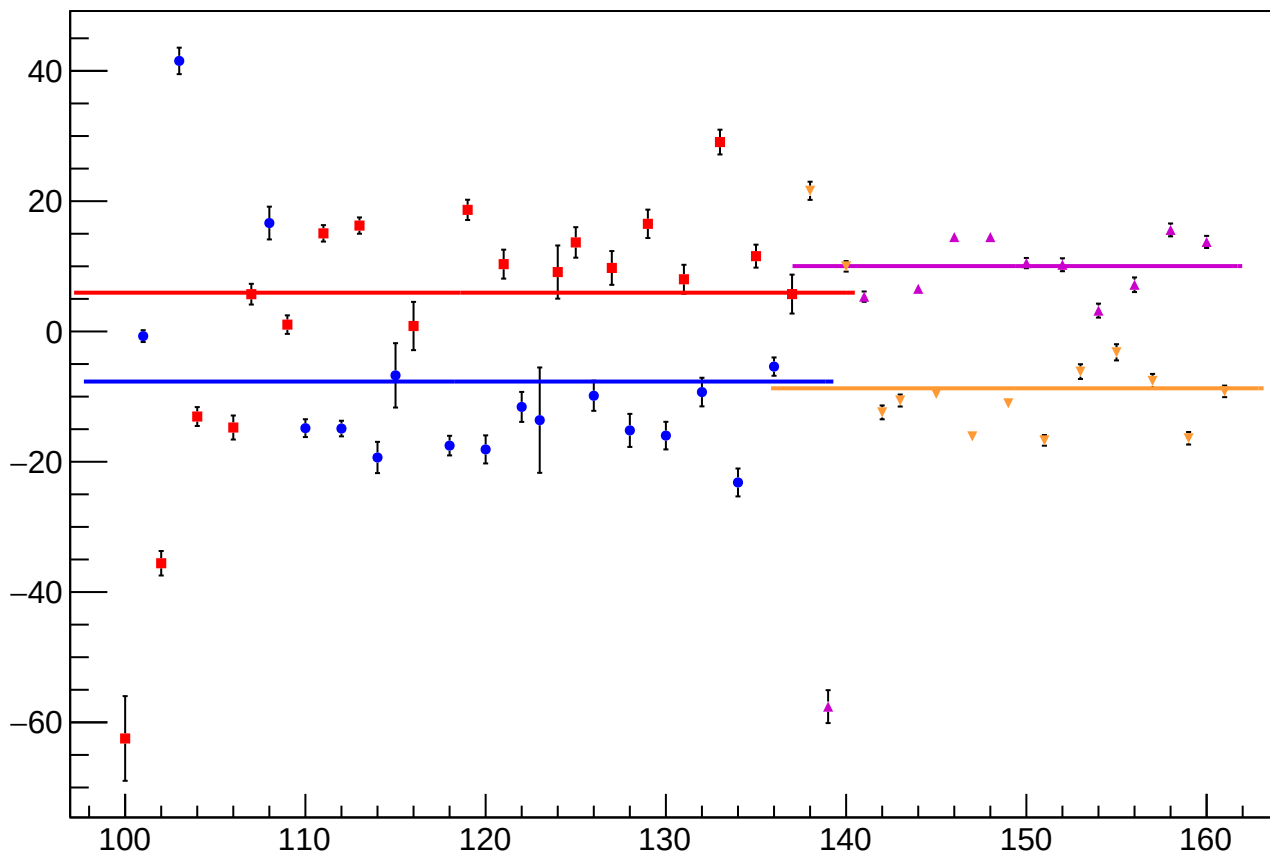
Left In: 17.889+/-0.377 χ^2/NDF : 657.8/10

-24.594+/-0.361 χ^2/NDF : 2394.9/12

-4.284+/-0.261 χ^2/NDF : 9668.2/23

17.889+/-0.377 χ^2/NDF : 657.8/10

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: -8.725 ± 0.248 χ^2/NDF : 1361.7/12

Right Out: 5.953 ± 0.429 χ^2/NDF : 1298.1/18

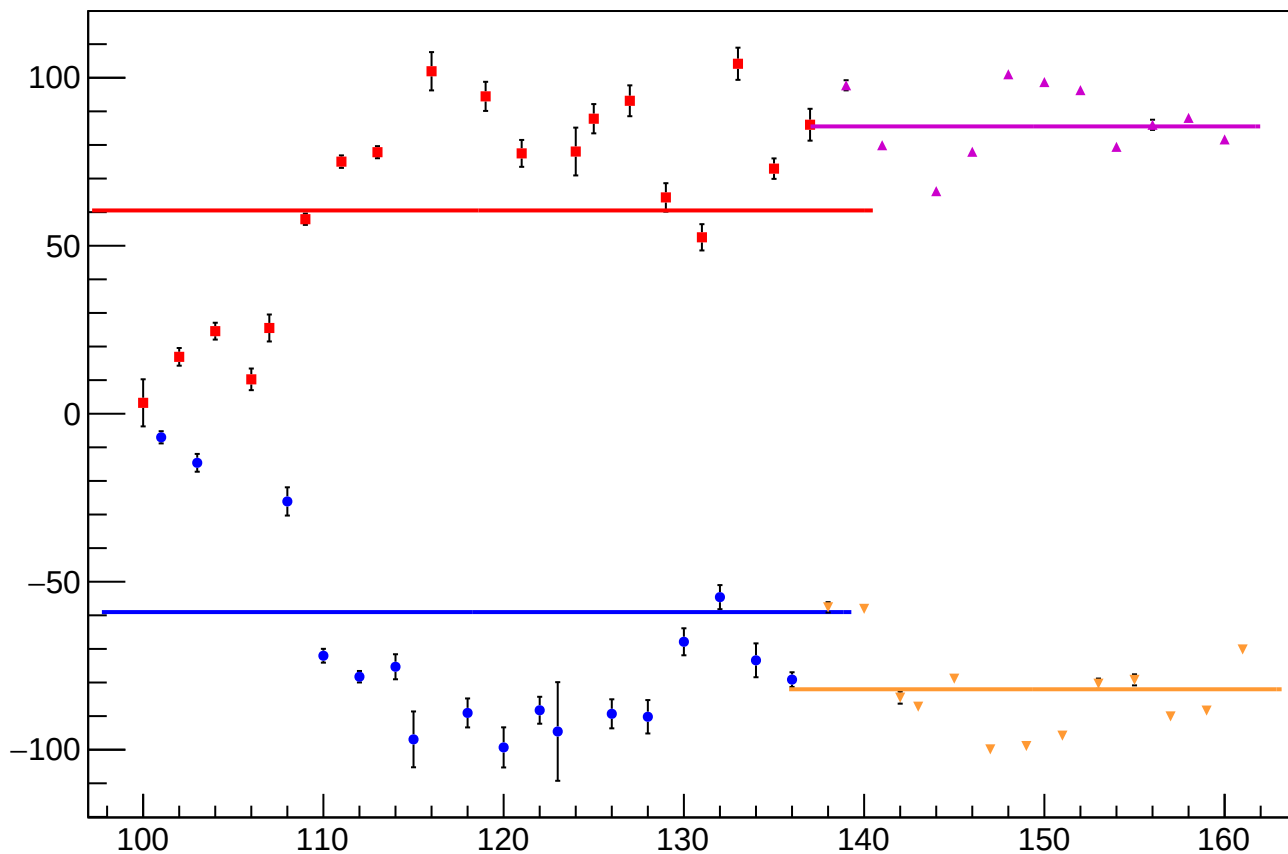
Left In: 10.036 ± 0.256 χ^2/NDF : 969.9/10

-8.466 ± 0.215 χ^2/NDF : 2342.1/29

0.036 ± 0.154 χ^2/NDF : 7890.2/59

8.962 ± 0.220 χ^2/NDF : 2334.8/29

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: -82.012 ± 0.358 χ^2/NDF : 1509.7/12

Right Out: 60.507 ± 0.704 χ^2/NDF : 1384.8/18

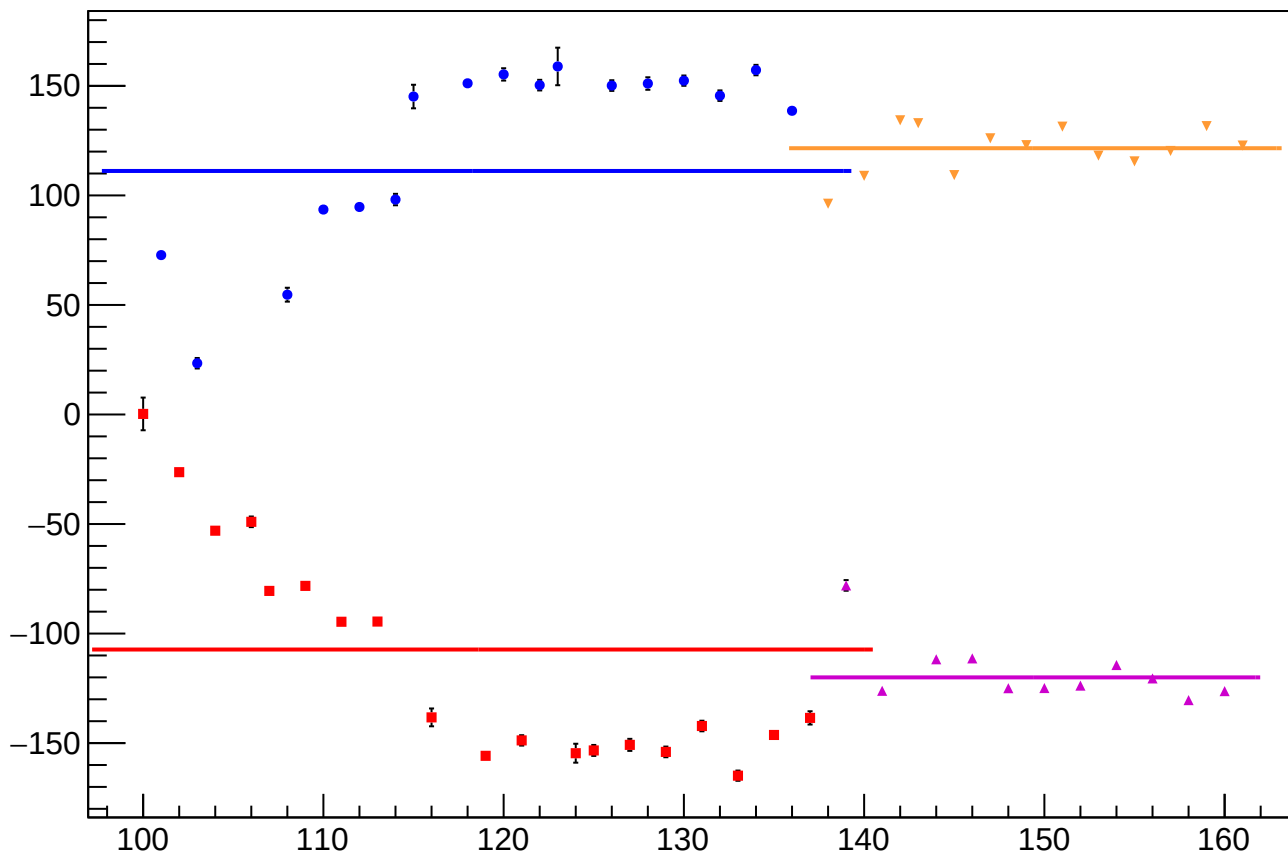
Left In: 85.519 ± 0.369 χ^2/NDF : 886.5/10

-77.709 ± 0.323 χ^2/NDF : 3990.6/29

0.165 ± 0.230 χ^2/NDF : 125263.6/59

80.128 ± 0.327 χ^2/NDF : 3260.4/29

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: 121.545+/-0.295 χ^2/NDF :1060.2/12

Right Out: -107.283+/-0.488 χ^2/NDF : 7055.1/18

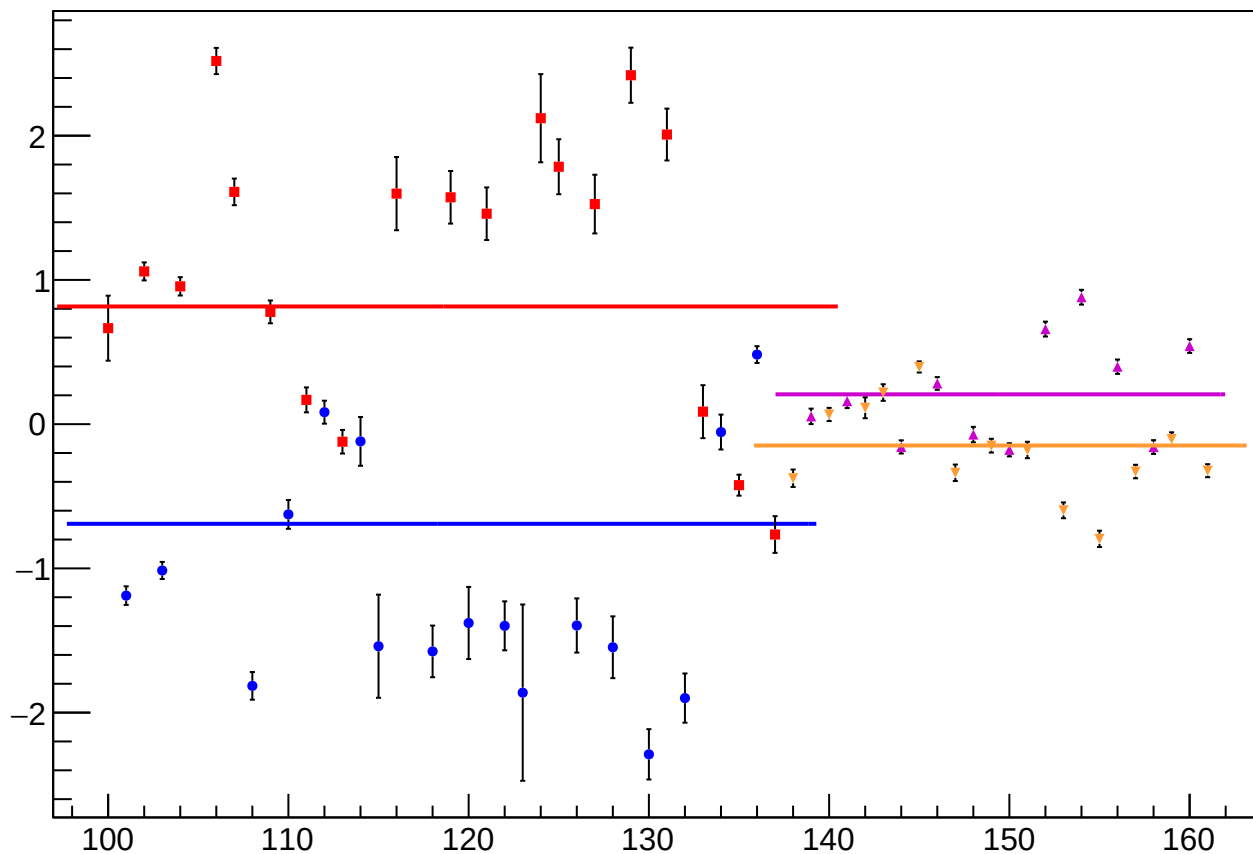
Left In: -120.004+/-0.306 χ^2/NDF :790.4/10

118.768+/-0.253 χ^2/NDF : 7268.3/29

4.061+/-0.181 χ^2/NDF : 437517.2/59

-116.413+/-0.259 χ^2/NDF : 8333.8/29

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: -0.148 ± 0.014 χ^2/NDF : 528.4/12

Right Out: 0.816 ± 0.024 χ^2/NDF : 1304.4/18

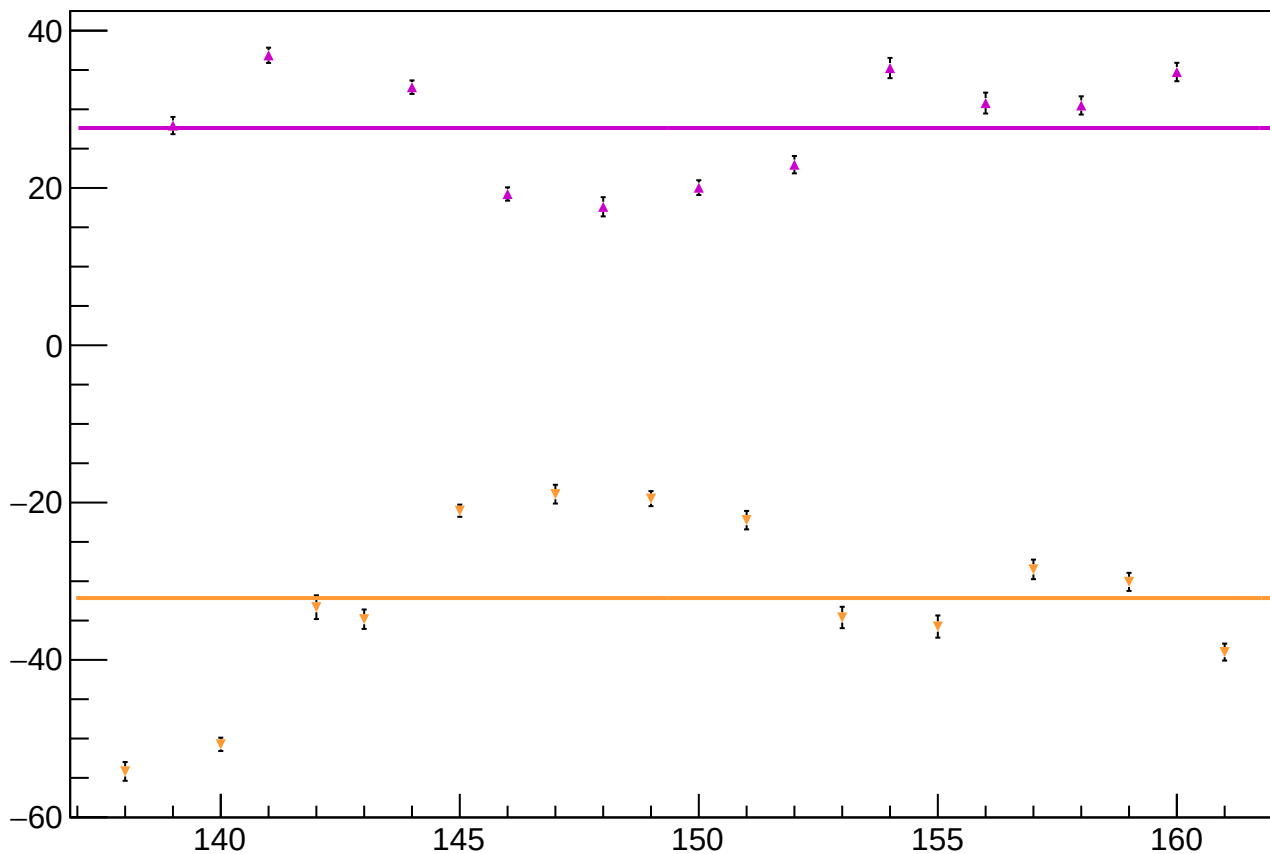
Left In: 0.207 ± 0.015 χ^2/NDF : 545.6/10

-0.273 ± 0.012 χ^2/NDF : 1859.6/29

0.043 ± 0.009 χ^2/NDF : 5490.9/59

0.369 ± 0.013 χ^2/NDF : 2308.9/29

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.139 $\pm$ 0.306 χ^2 /NDF:1459.7/12

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

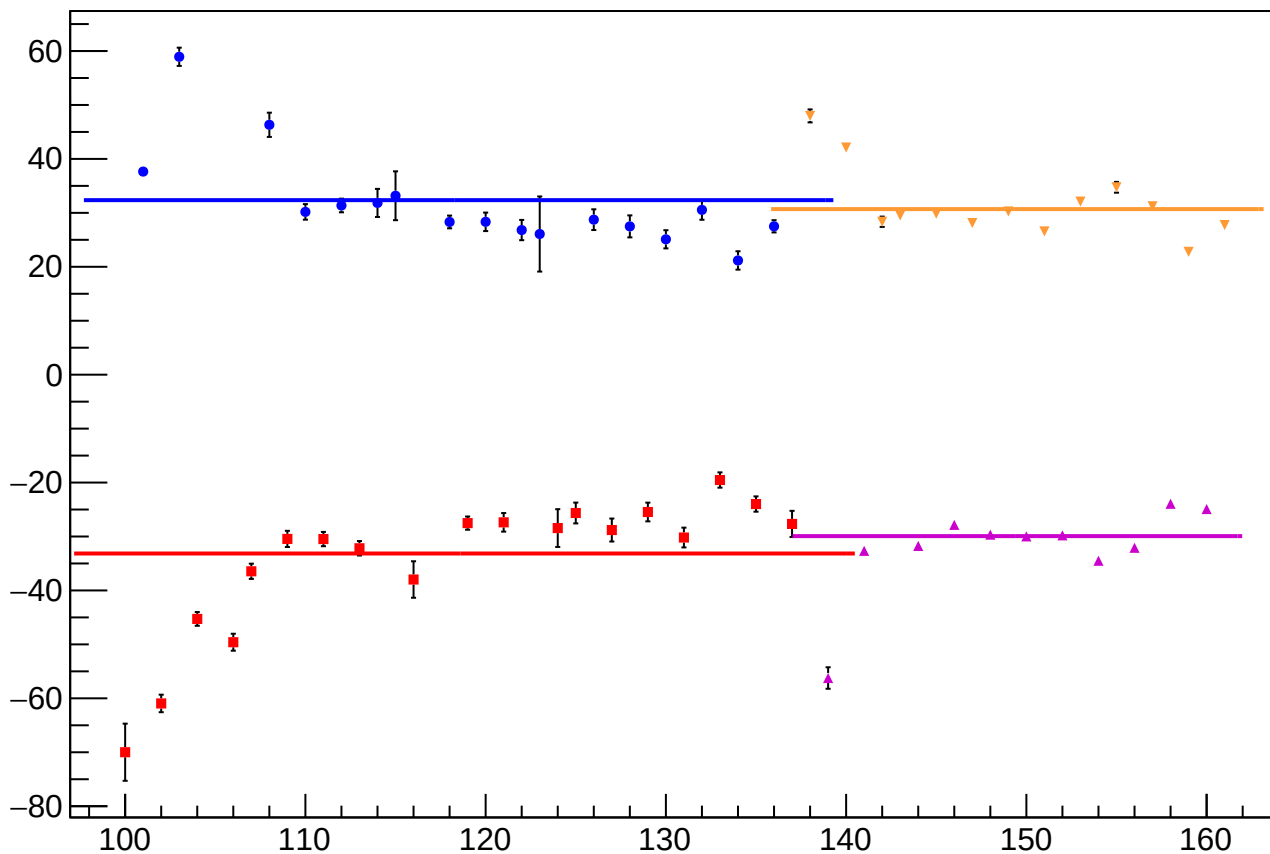
Left In: 27.624 $\pm$ 0.318 χ^2 /NDF:459.3/10

-32.139 $\pm$ 0.306 χ^2 /NDF: 1459.7/12

-3.368 $\pm$ 0.220 χ^2 /NDF: 20259.3/23

27.624 $\pm$ 0.318 χ^2 /NDF: 459.3/10

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: 30.695 ± 0.213 $\chi^2/\text{NDF}: 675.0/12$

Right Out: -33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

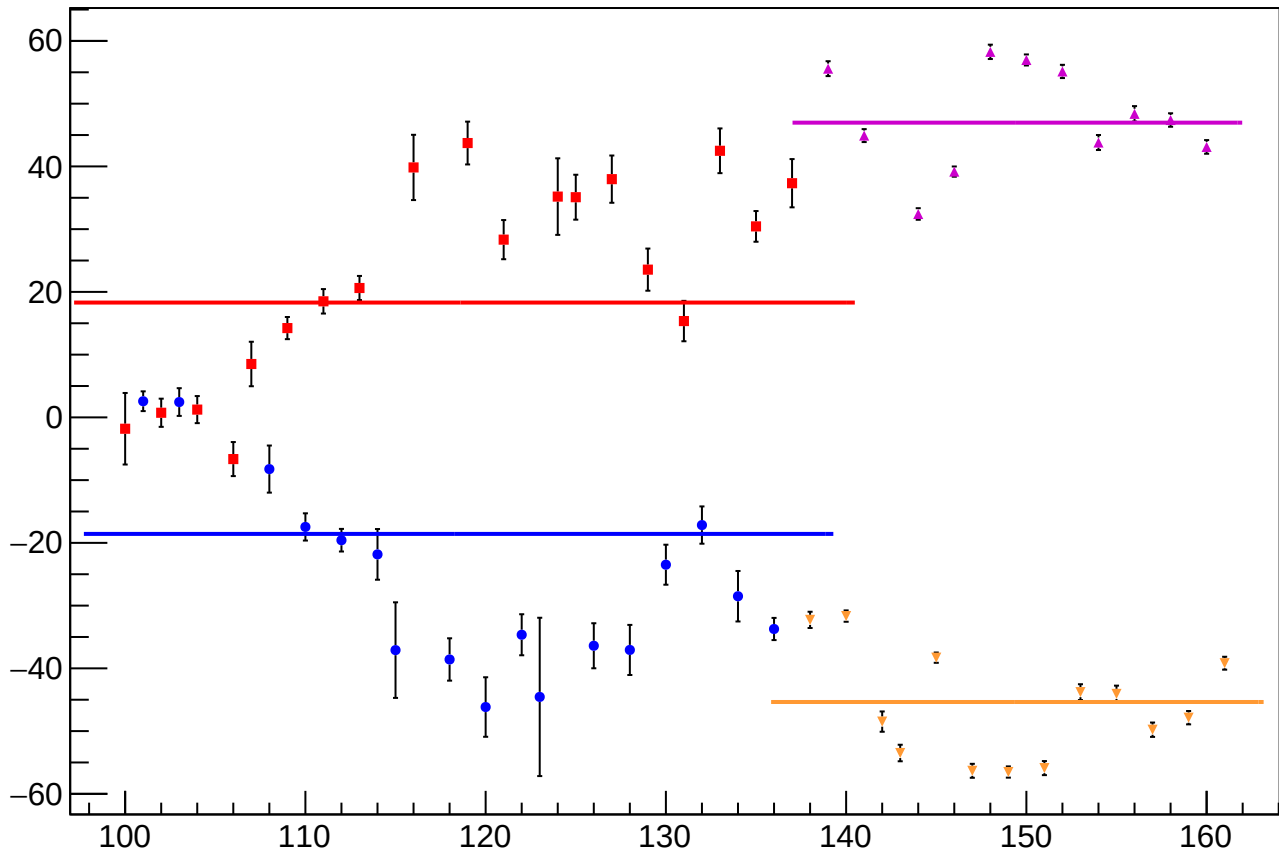
Left In: -29.929 ± 0.220 $\chi^2/\text{NDF}: 343.7/10$

31.098 ± 0.185 $\chi^2/\text{NDF}: 1140.3/29$

1.030 ± 0.133 $\chi^2/\text{NDF}: 56656.3/59$

-30.741 ± 0.190 $\chi^2/\text{NDF}: 1169.8/29$

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: -45.361 ± 0.303 χ^2/NDF : 846.7/12

Right Out: 18.300 ± 0.644 χ^2/NDF : 473.4/18

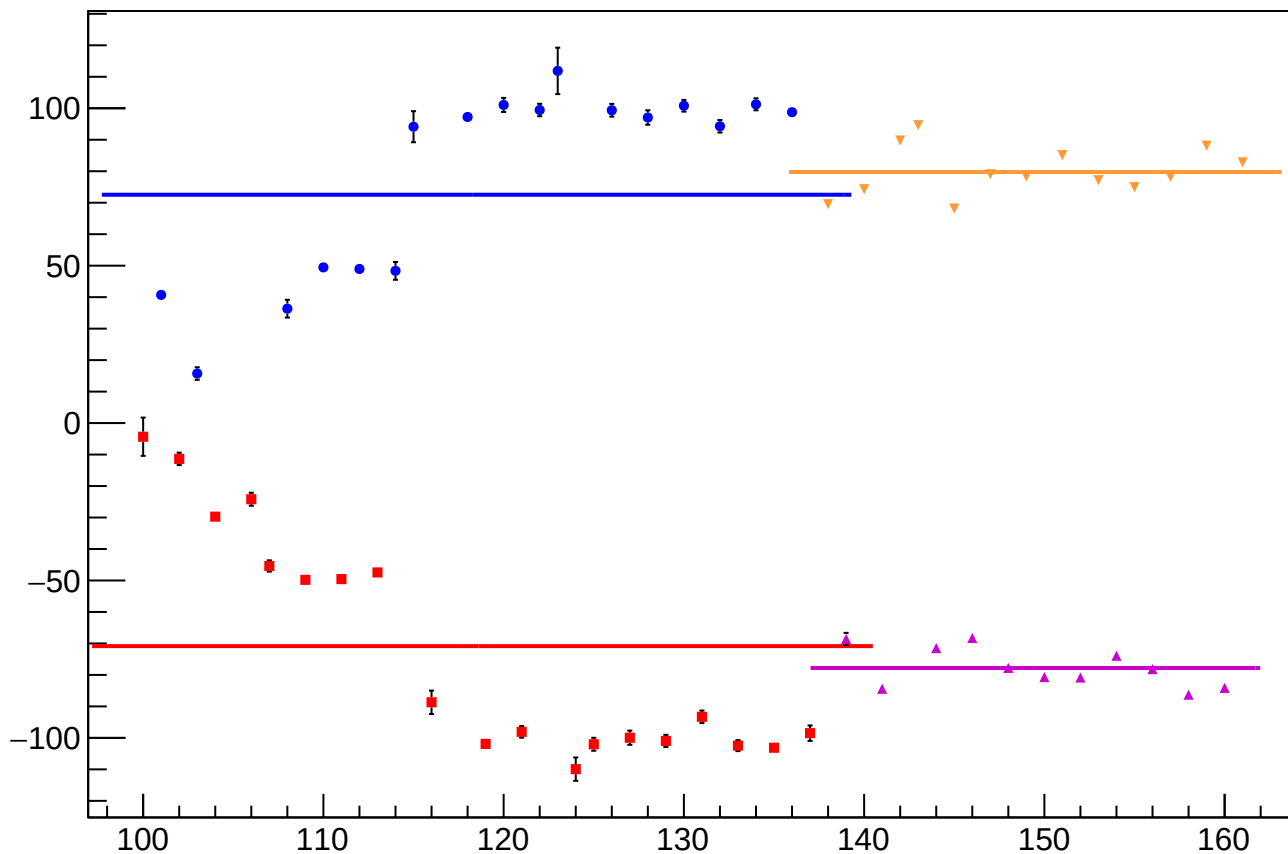
Left In: 46.974 ± 0.311 χ^2/NDF : 704.5/10

-40.789 ± 0.276 χ^2/NDF : 2694.1/29

-0.218 ± 0.196 χ^2/NDF : 49423.2/59

41.558 ± 0.280 χ^2/NDF : 2786.7/29

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537 $\pm$ 0.428 χ^2 /NDF: 4684.1/16

Left Out: 79.743 $\pm$ 0.252 χ^2 /NDF: 814.6/12

Right Out: -70.849 $\pm$ 0.433 χ^2 /NDF: 5500.2/18

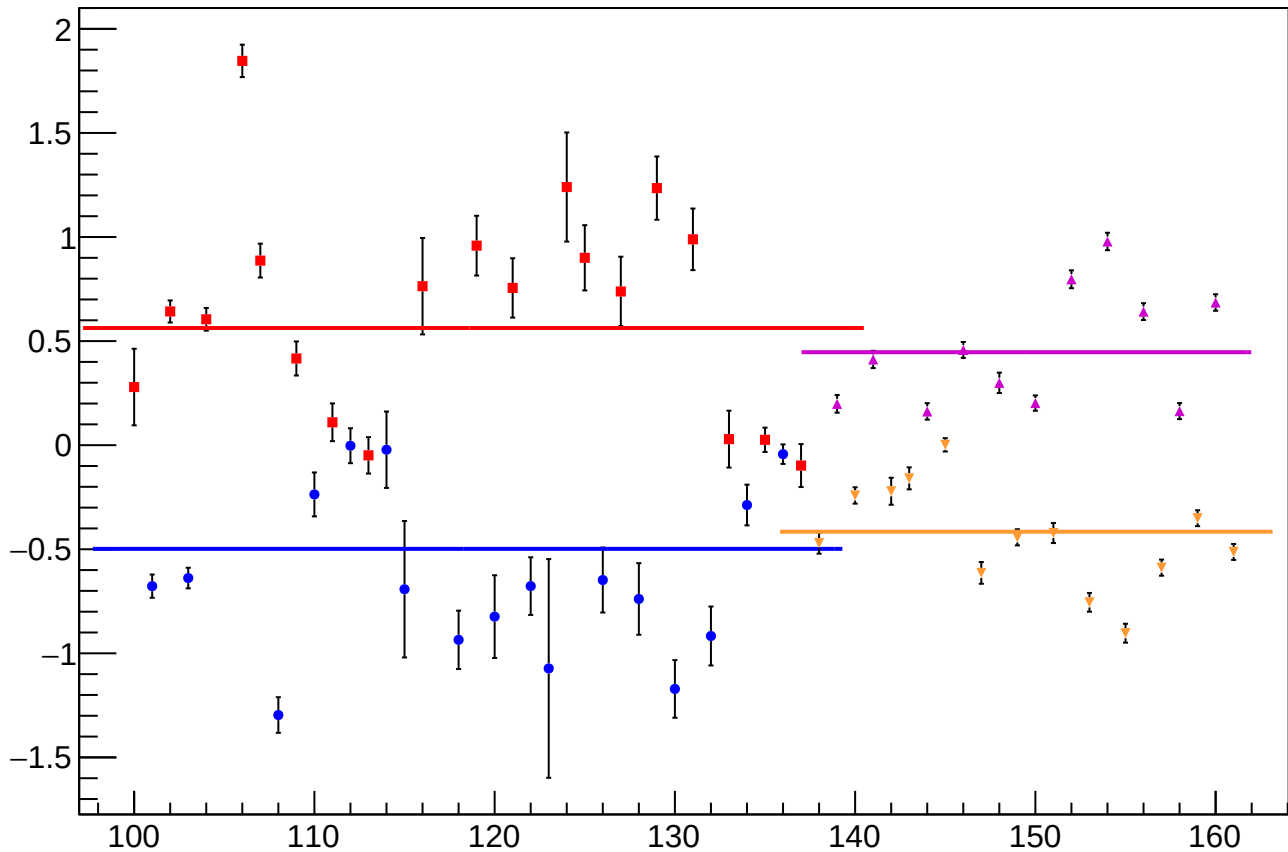
Left In: -77.803 $\pm$ 0.260 χ^2 /NDF: 557.0/10

77.893 $\pm$ 0.217 χ^2 /NDF: 5709.1/29

3.009 $\pm$ 0.155 χ^2 /NDF: 256549.8/59

-75.963 $\pm$ 0.223 χ^2 /NDF: 6246.7/29

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: -0.416 ± 0.012 χ^2/NDF : 437.7/12

Right Out: 0.563 ± 0.021 χ^2/NDF : 560.8/18

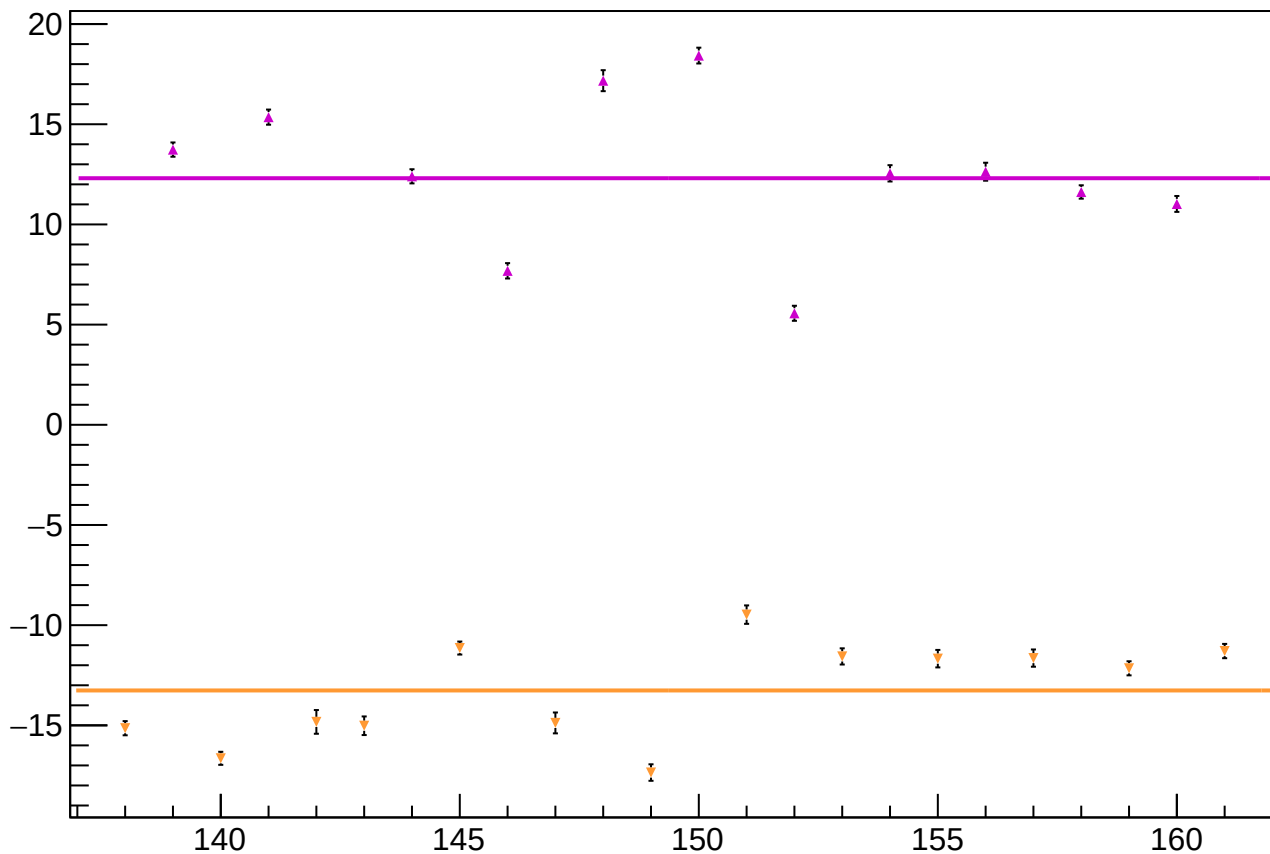
Left In: 0.447 ± 0.012 χ^2/NDF : 480.9/10

-0.434 ± 0.010 χ^2/NDF : 751.0/29

0.014 ± 0.007 χ^2/NDF : 5513.9/59

0.475 ± 0.011 χ^2/NDF : 1063.8/29

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.258+/-0.111 χ^2/NDF : 462.2/12

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

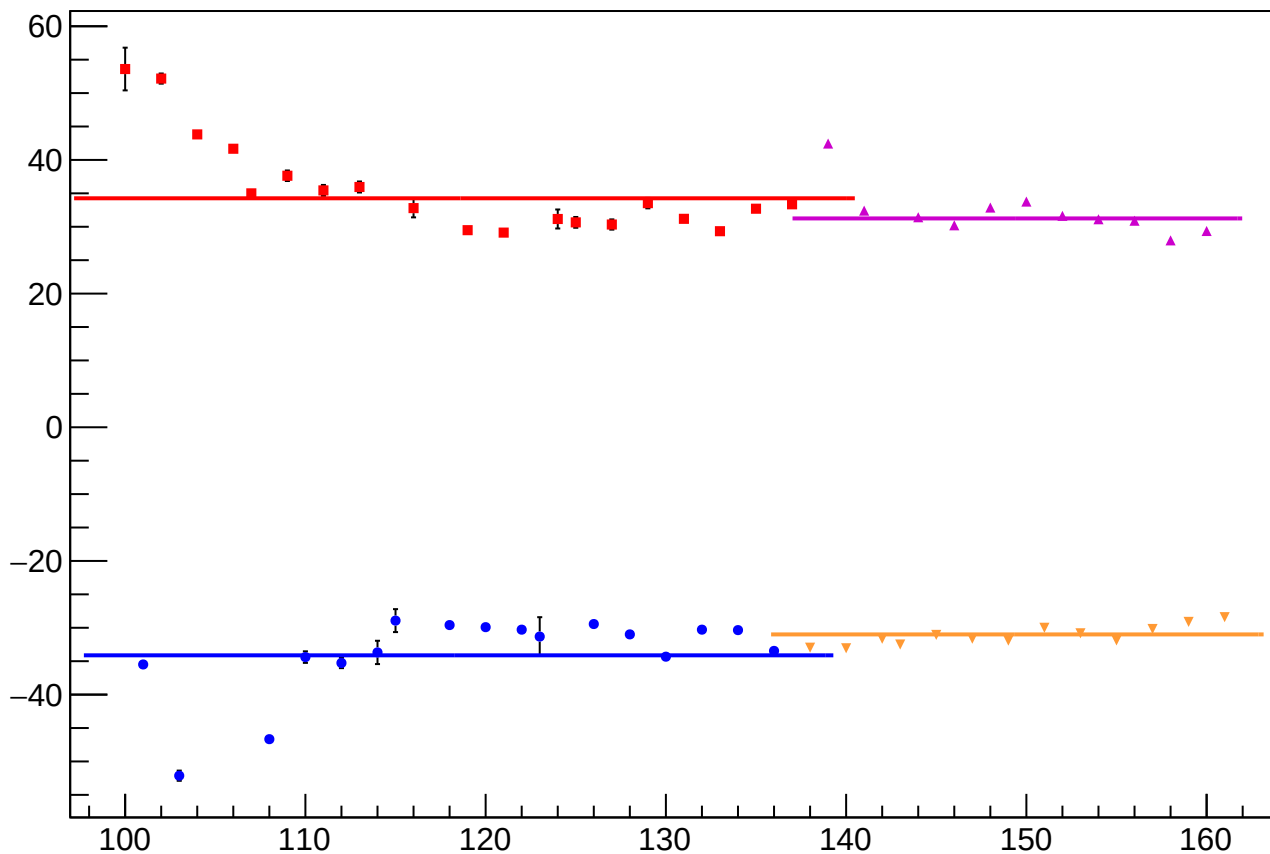
Left In: 12.306+/-0.117 χ^2/NDF : 891.6/10

-13.258+/-0.111 χ^2/NDF : 462.2/12

-1.160+/-0.080 χ^2/NDF : 26551.9/23

12.306+/-0.117 χ^2/NDF : 891.6/10

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: -30.993 ± 0.078 $\chi^2/\text{NDF}: 329.3/12$

Right Out: 34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

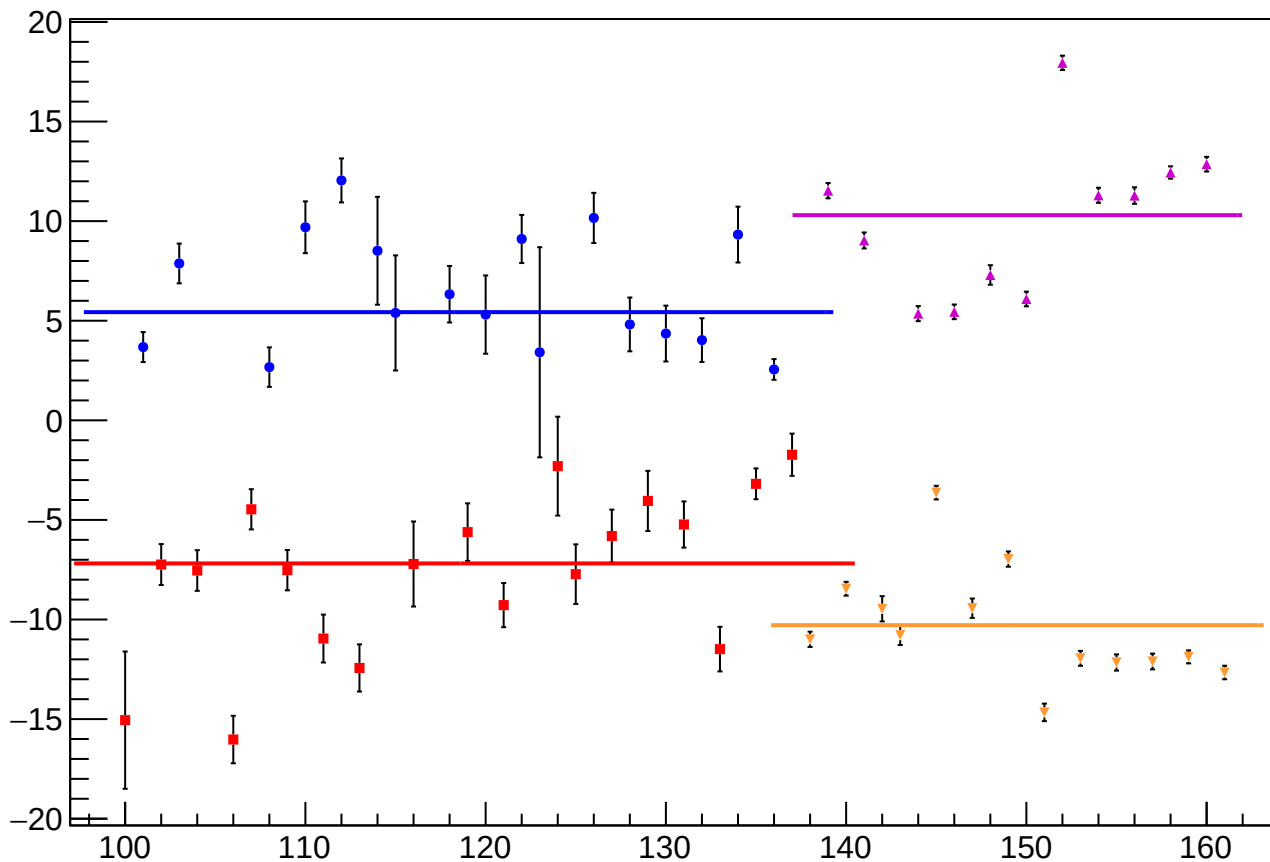
Left In: 31.247 ± 0.083 $\chi^2/\text{NDF}: 728.8/10$

-31.651 ± 0.070 $\chi^2/\text{NDF}: 1987.1/29$

-1.140 ± 0.050 $\chi^2/\text{NDF}: 404734.2/59$

31.943 ± 0.072 $\chi^2/\text{NDF}: 2390.6/29$

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: -10.284 ± 0.109 χ^2/NDF : 721.2/12

Right Out: -7.185 ± 0.274 χ^2/NDF : 182.1/18

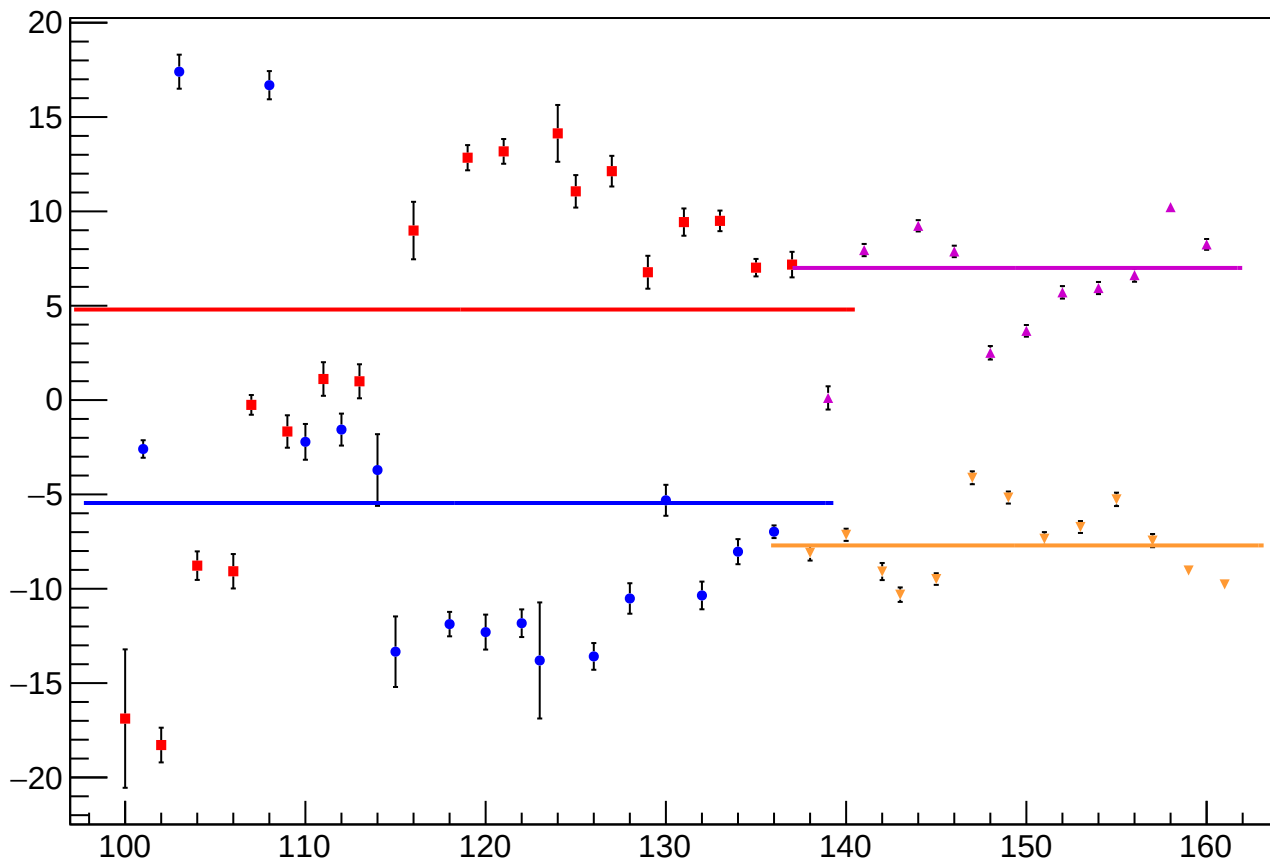
Left In: 10.300 ± 0.114 χ^2/NDF : 1094.6/10

-8.081 ± 0.101 χ^2/NDF : 3757.4/29

-0.474 ± 0.073 χ^2/NDF : 20232.2/59

7.733 ± 0.105 χ^2/NDF : 4739.8/29

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: -7.704+/-0.091 χ^2/NDF : 411.1/12

Right Out: 4.798+/-0.173 χ^2/NDF : 2047.4/18

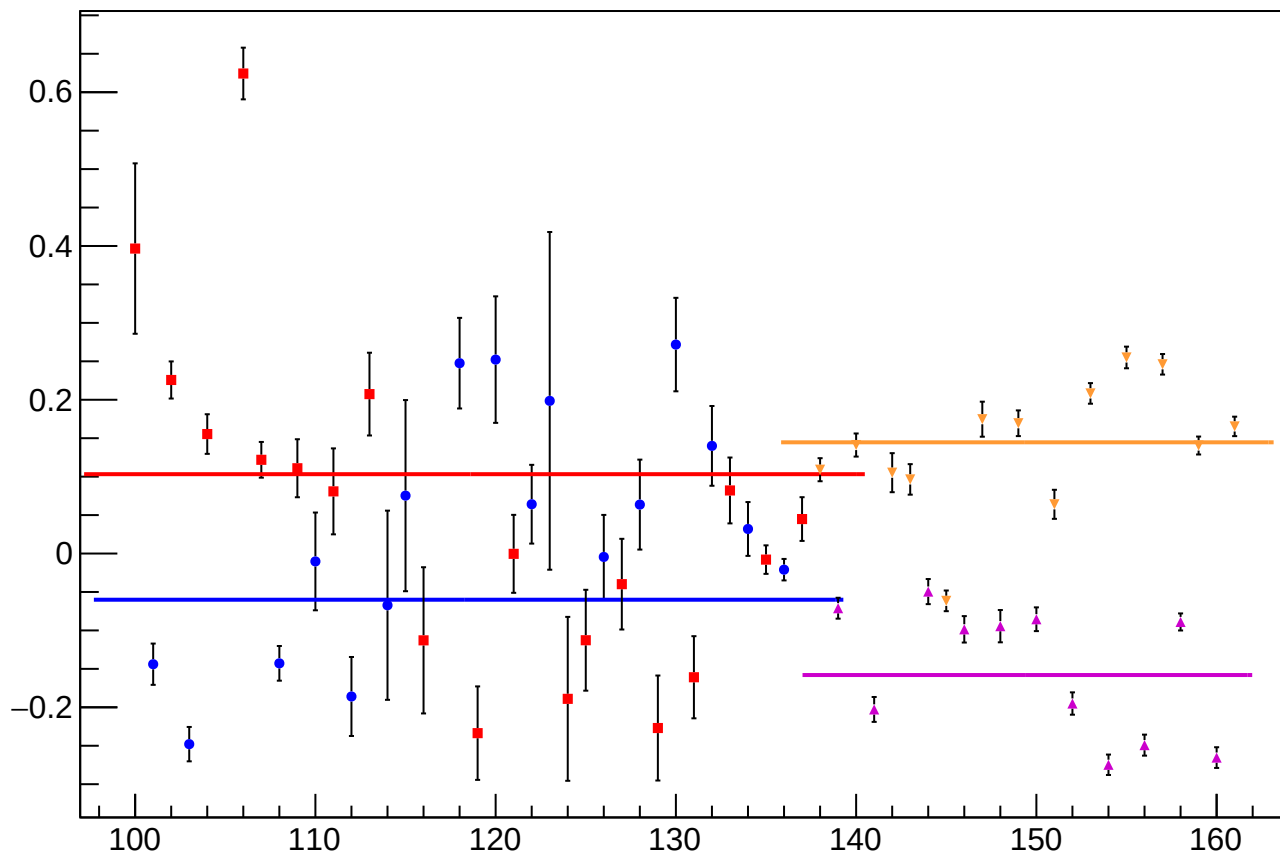
Left In: 7.003+/-0.096 χ^2/NDF : 693.5/10

-7.203+/-0.081 χ^2/NDF : 2642.4/29

-0.643+/-0.058 χ^2/NDF : 19331.7/59

6.483+/-0.084 χ^2/NDF : 2865.1/29

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: 0.145 ± 0.004 χ^2/NDF : 415.7/12

Right Out: 0.103 ± 0.008 χ^2/NDF : 434.3/18

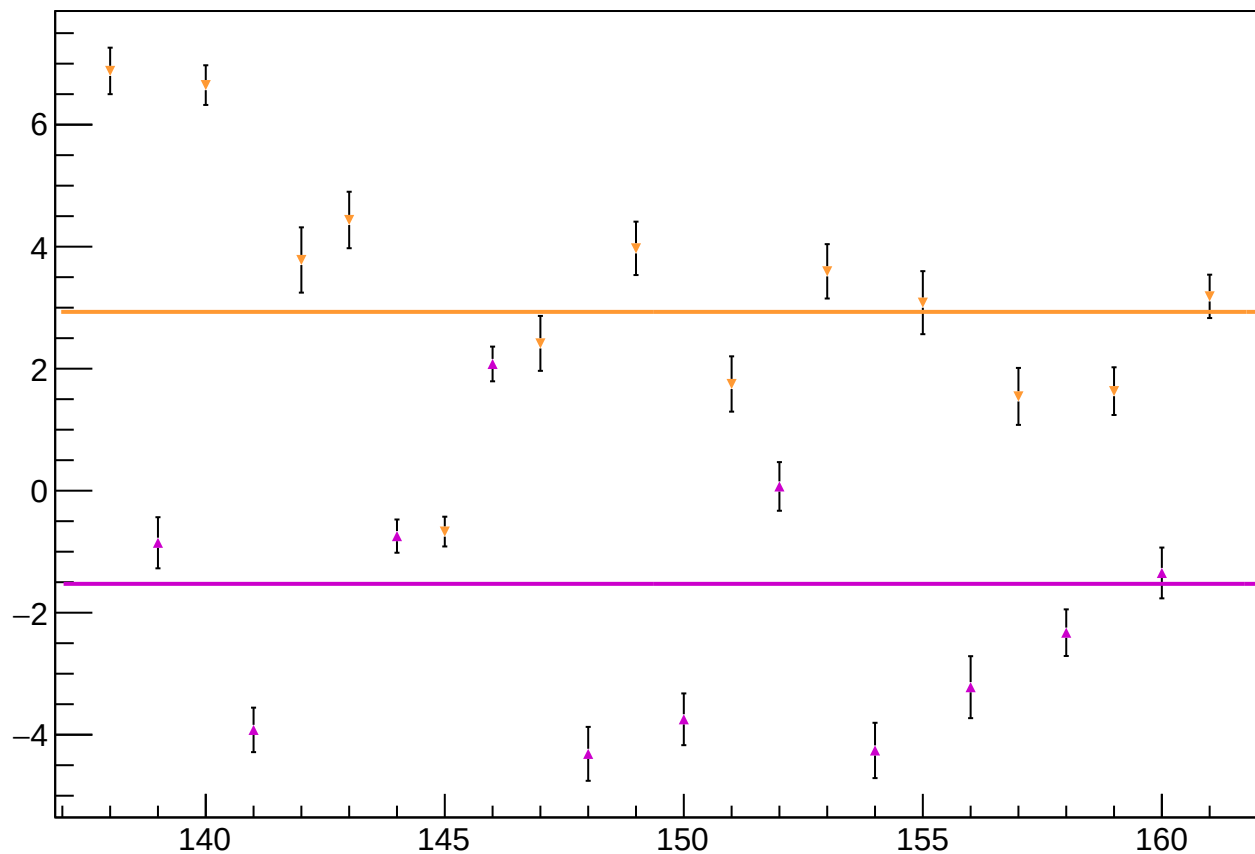
Left In: -0.158 ± 0.004 χ^2/NDF : 366.6/10

0.104 ± 0.004 χ^2/NDF : 1105.9/29

0.004 ± 0.003 χ^2/NDF : 4119.3/59

-0.103 ± 0.004 χ^2/NDF : 1556.2/29

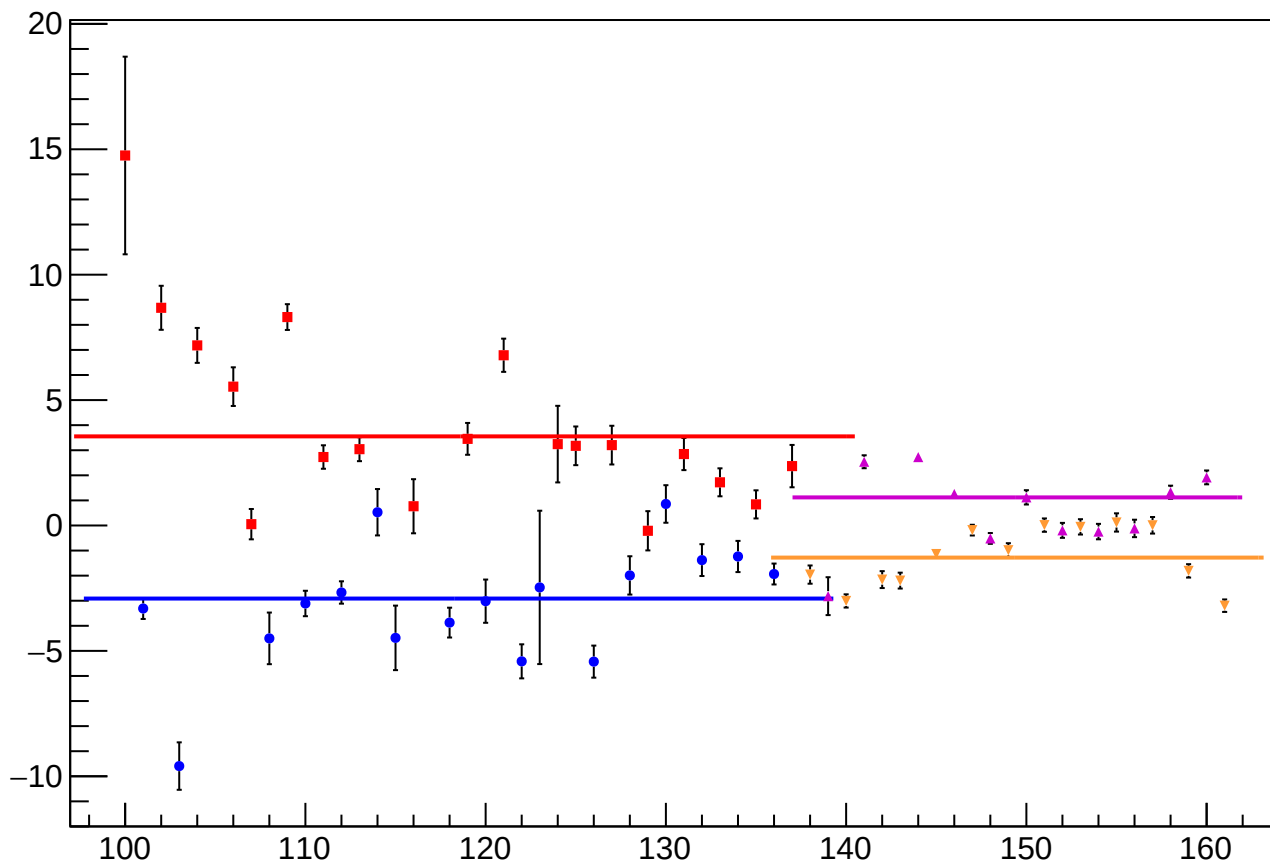
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.931 $\pm$ 0.109 χ^2 /NDF: 505.7/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.527 $\pm$ 0.114 χ^2 /NDF: 349.6/10

2.931 $\pm$ 0.109 χ^2 /NDF: 505.7/12
 0.796 $\pm$ 0.079 χ^2 /NDF: 1656.6/23
 -1.527 $\pm$ 0.114 χ^2 /NDF: 349.6/10

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.280 ± 0.076 χ^2/NDF : 222.3/12

Right Out: 3.553 ± 0.155 χ^2/NDF : 290.9/18

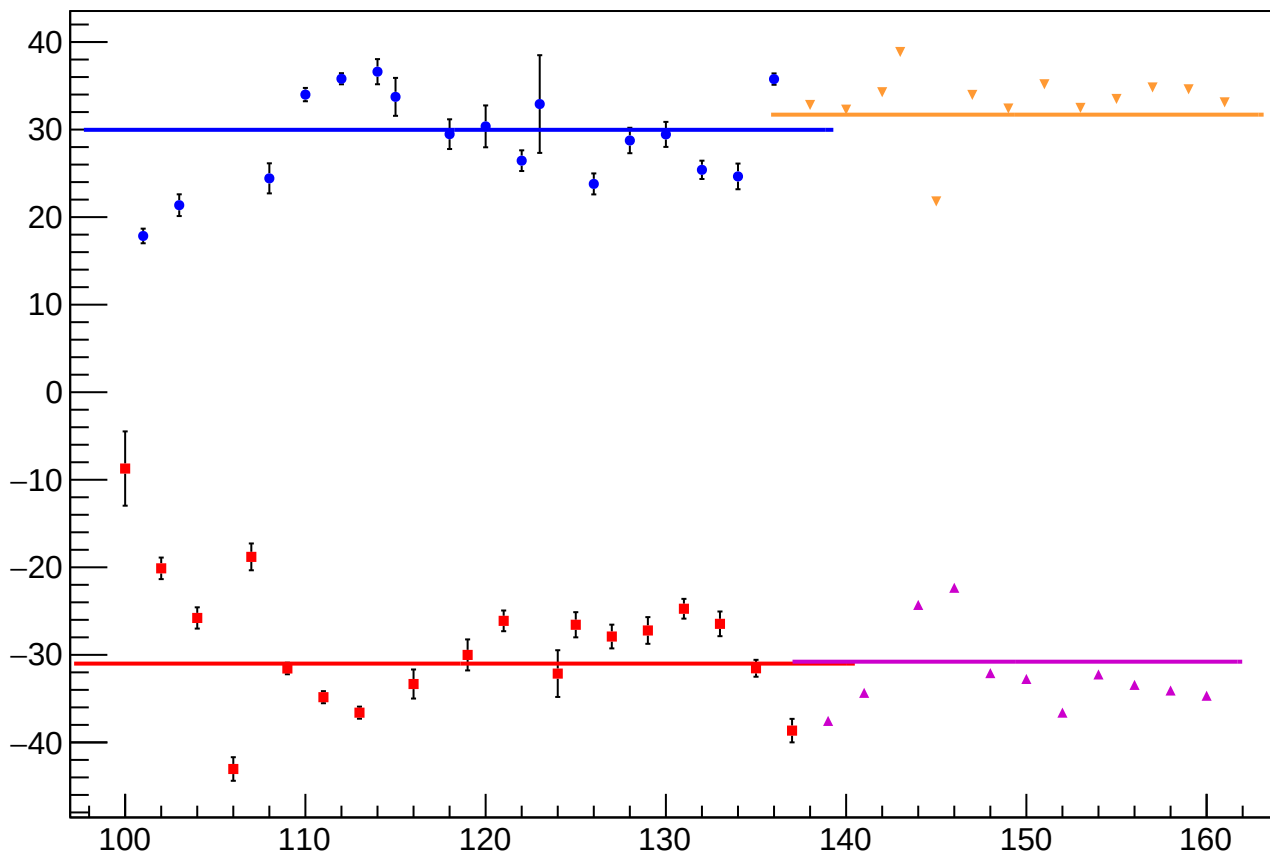
Left In: 1.120 ± 0.077 χ^2/NDF : 244.3/10

-1.598 ± 0.068 χ^2/NDF : 458.1/29

-0.016 ± 0.049 χ^2/NDF : 2279.2/59

1.606 ± 0.069 χ^2/NDF : 733.4/29

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 31.705 ± 0.109 $\chi^2/\text{NDF}: 1942.2/12$

Right Out: -30.999 ± 0.260 $\chi^2/\text{NDF}: 479.5/18$

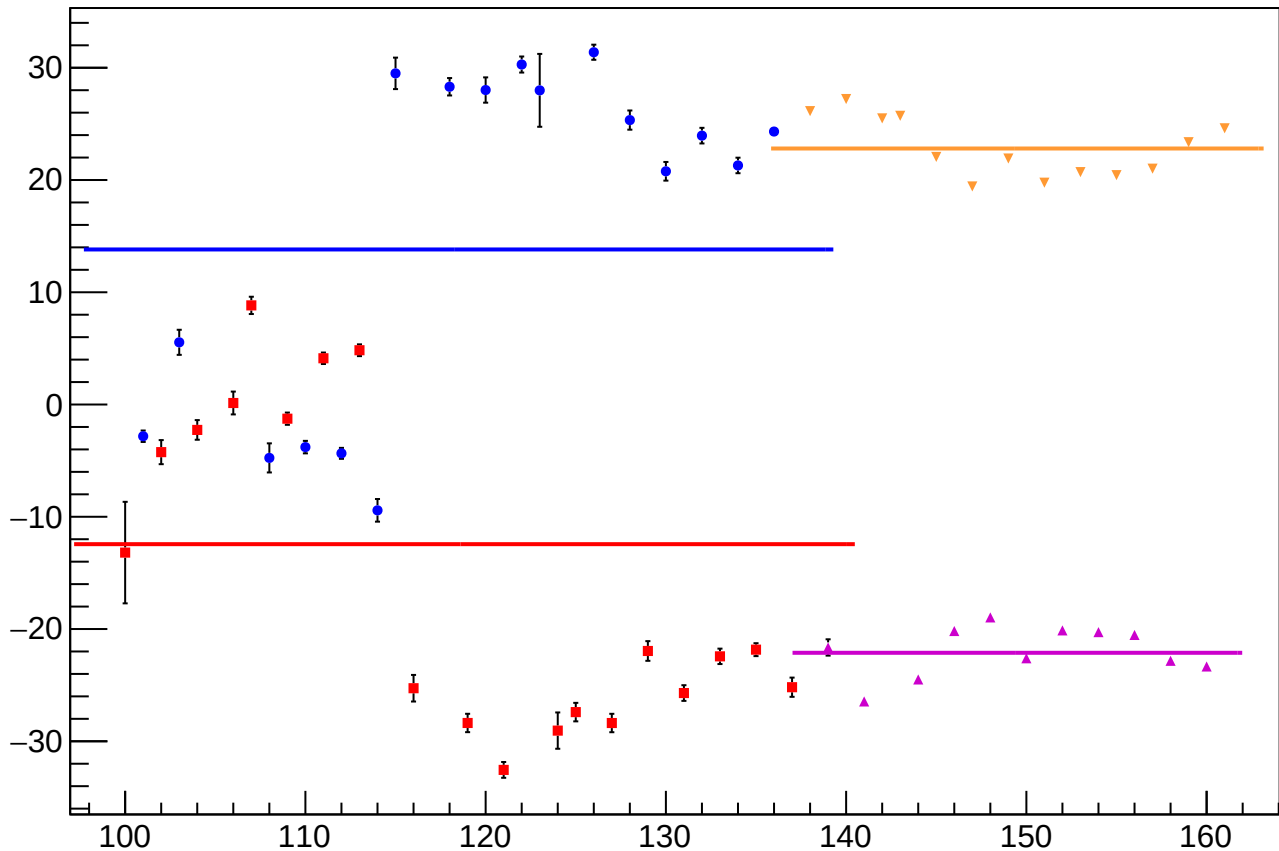
Left In: -30.781 ± 0.111 $\chi^2/\text{NDF}: 2254.4/10$

31.460 ± 0.101 $\chi^2/\text{NDF}: 2532.6/29$

0.899 ± 0.072 $\chi^2/\text{NDF}: 193560.3/59$

-30.815 ± 0.102 $\chi^2/\text{NDF}: 2734.5/29$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.807 $\pm$ 0.090 χ^2 /NDF: 722.6/12

Right Out: -12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

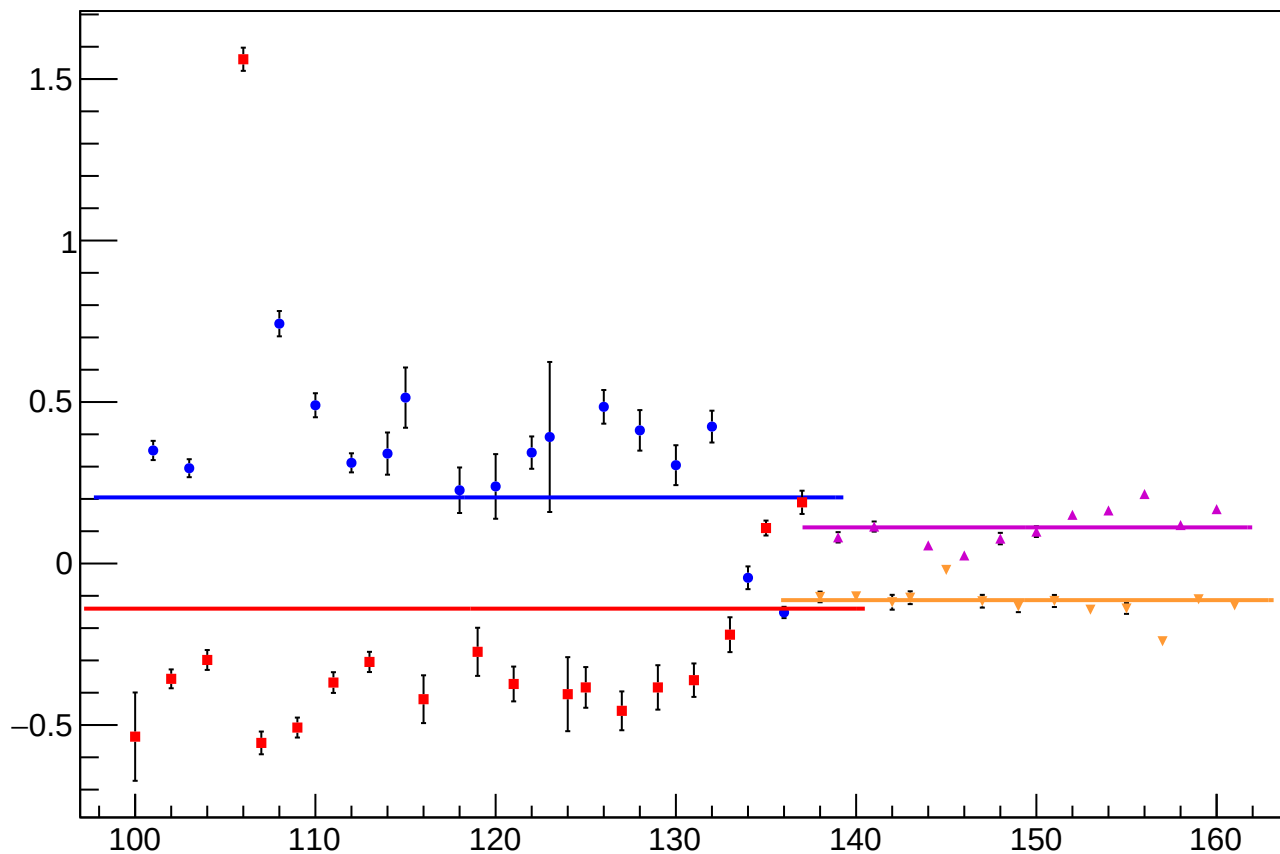
Left In: -22.117 $\pm$ 0.092 χ^2 /NDF: 587.0/10

20.893 $\pm$ 0.080 χ^2 /NDF: 10177.0/29

0.864 $\pm$ 0.057 χ^2 /NDF: 149278.2/59

-19.999 $\pm$ 0.081 χ^2 /NDF: 9980.9/29

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: -0.113 ± 0.004 χ^2/NDF : 172.2/12

Right Out: -0.140 ± 0.009 χ^2/NDF : 3014.2/18

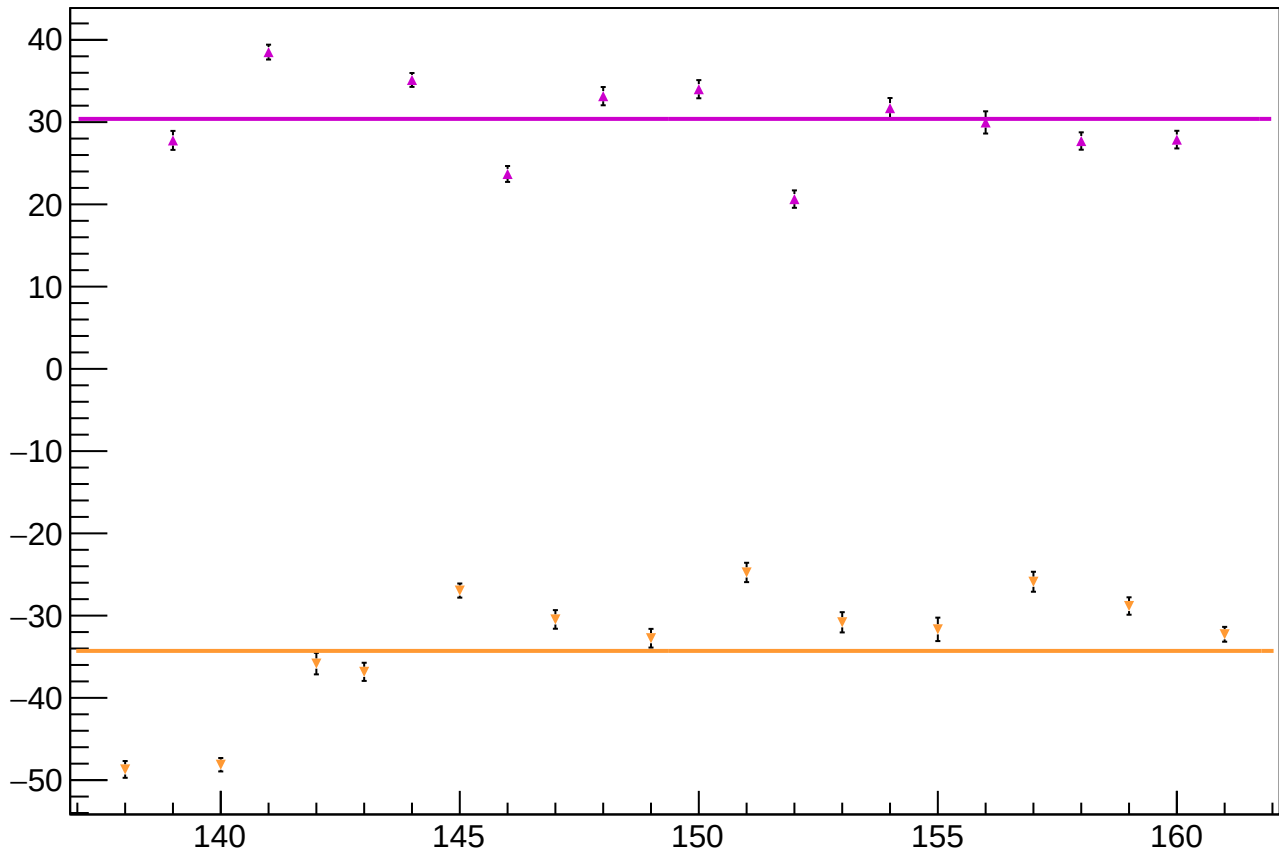
Left In: 0.112 ± 0.004 χ^2/NDF : 154.4/10

-0.060 ± 0.004 χ^2/NDF : 1974.4/29

0.001 ± 0.003 χ^2/NDF : 6255.5/59

0.065 ± 0.004 χ^2/NDF : 3775.8/29

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.290 +/- 0.296 χ^2/NDF : 736.4/12

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

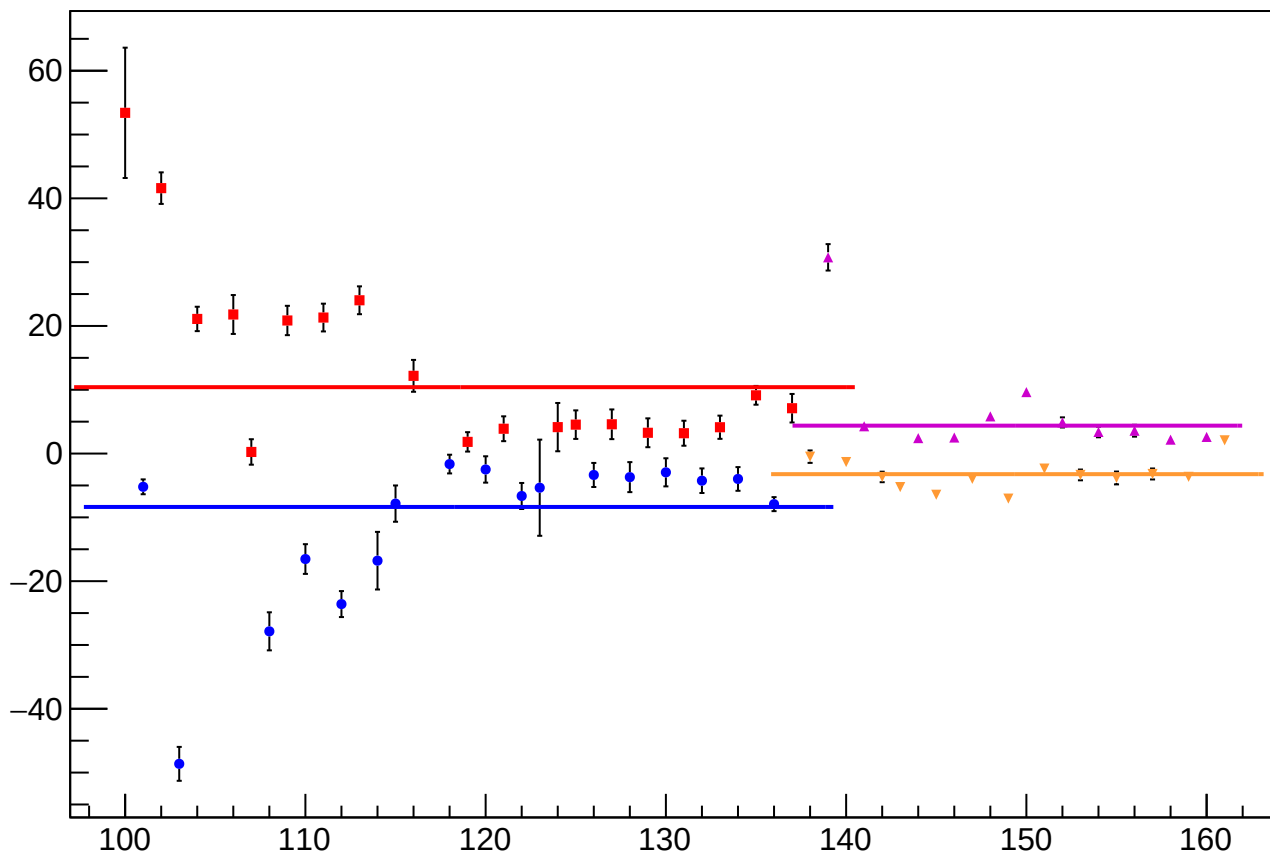
Left In: 30.393 +/- 0.317 χ^2/NDF : 280.2/10

-34.290 +/- 0.296 χ^2/NDF : 736.4/12

-4.217 +/- 0.216 χ^2/NDF : 23287.8/23

30.393 +/- 0.317 χ^2/NDF : 280.2/10

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: -3.228 ± 0.203 χ^2/NDF : 147.1/12

Right Out: 10.405 ± 0.491 χ^2/NDF : 430.3/18

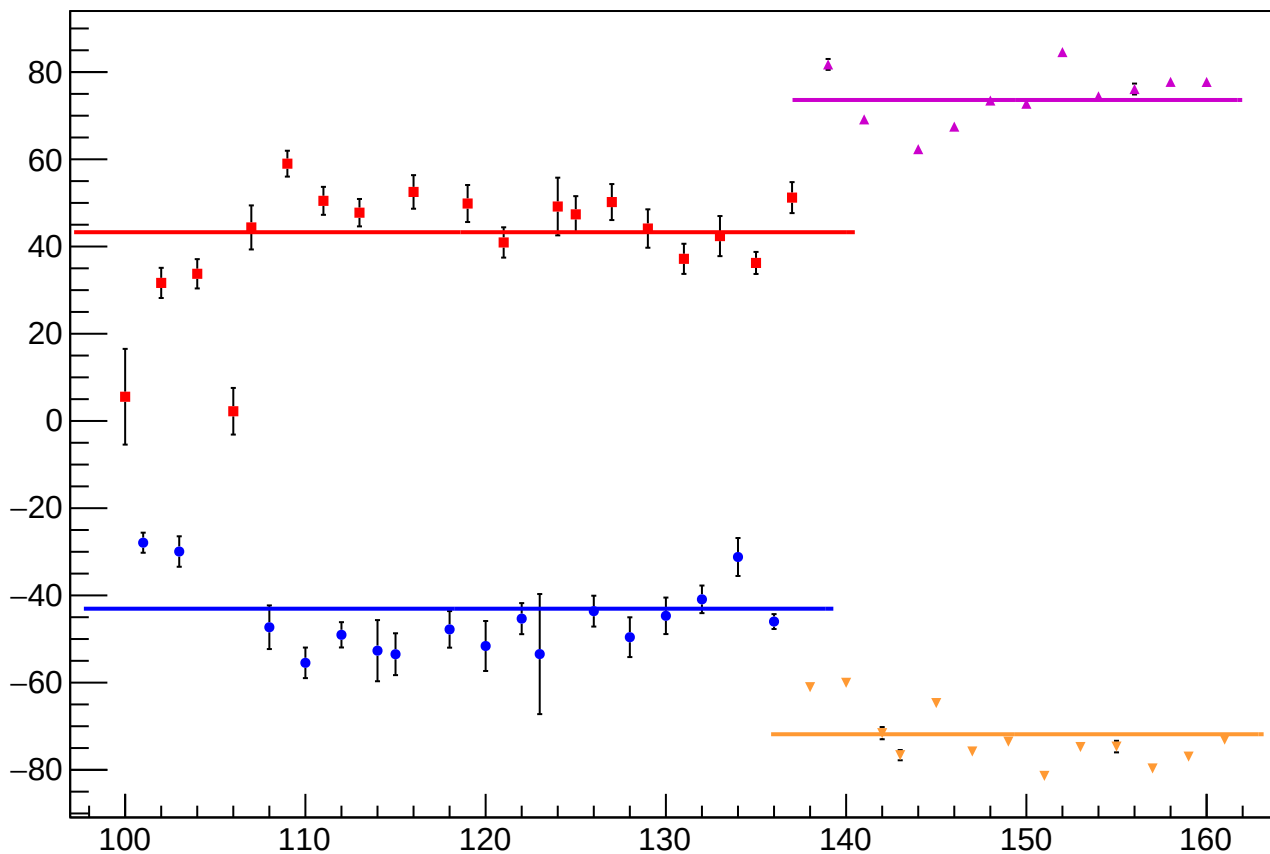
Left In: 4.374 ± 0.214 χ^2/NDF : 258.8/10

-4.049 ± 0.186 χ^2/NDF : 658.0/29

0.401 ± 0.135 χ^2/NDF : 2678.2/59

5.336 ± 0.196 χ^2/NDF : 815.9/29

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: -71.836 ± 0.293 $\chi^2/\text{NDF}: 535.4/12$

Right Out: 43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$

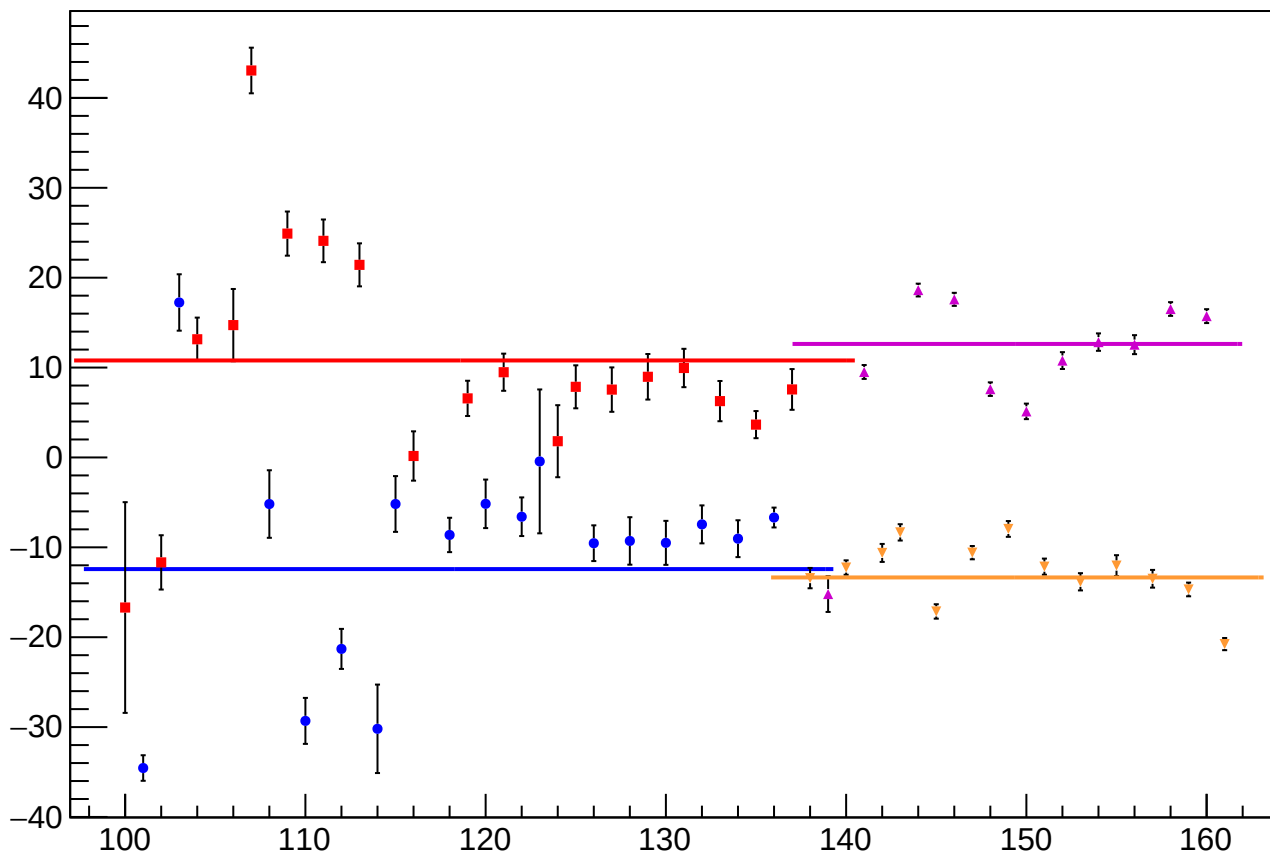
Left In: 73.604 ± 0.310 $\chi^2/\text{NDF}: 421.6/10$

-68.696 ± 0.277 $\chi^2/\text{NDF}: 1687.7/29$

-2.995 ± 0.201 $\chi^2/\text{NDF}: 122658.2/59$

70.171 ± 0.292 $\chi^2/\text{NDF}: 1660.2/29$

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: -13.351 ± 0.241 χ^2/NDF : 239.6/12

Right Out: 10.791 ± 0.554 χ^2/NDF : 365.8/18

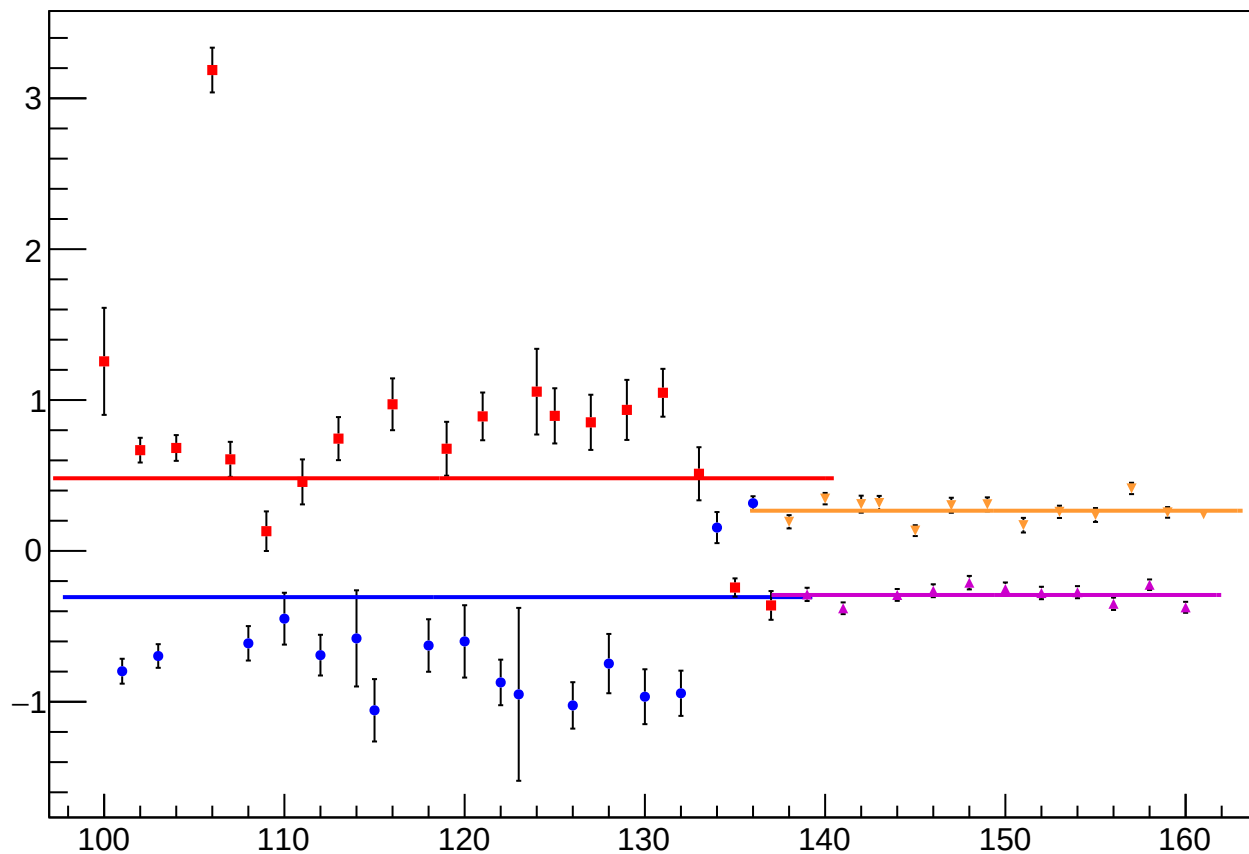
Left In: 12.628 ± 0.255 χ^2/NDF : 494.2/10

-13.188 ± 0.219 χ^2/NDF : 716.6/29

-1.168 ± 0.159 χ^2/NDF : 7985.5/59

12.307 ± 0.232 χ^2/NDF : 869.1/29

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.266 ± 0.011 χ^2/NDF : 44.2/12

Right Out: 0.481 ± 0.029 χ^2/NDF : 628.3/18

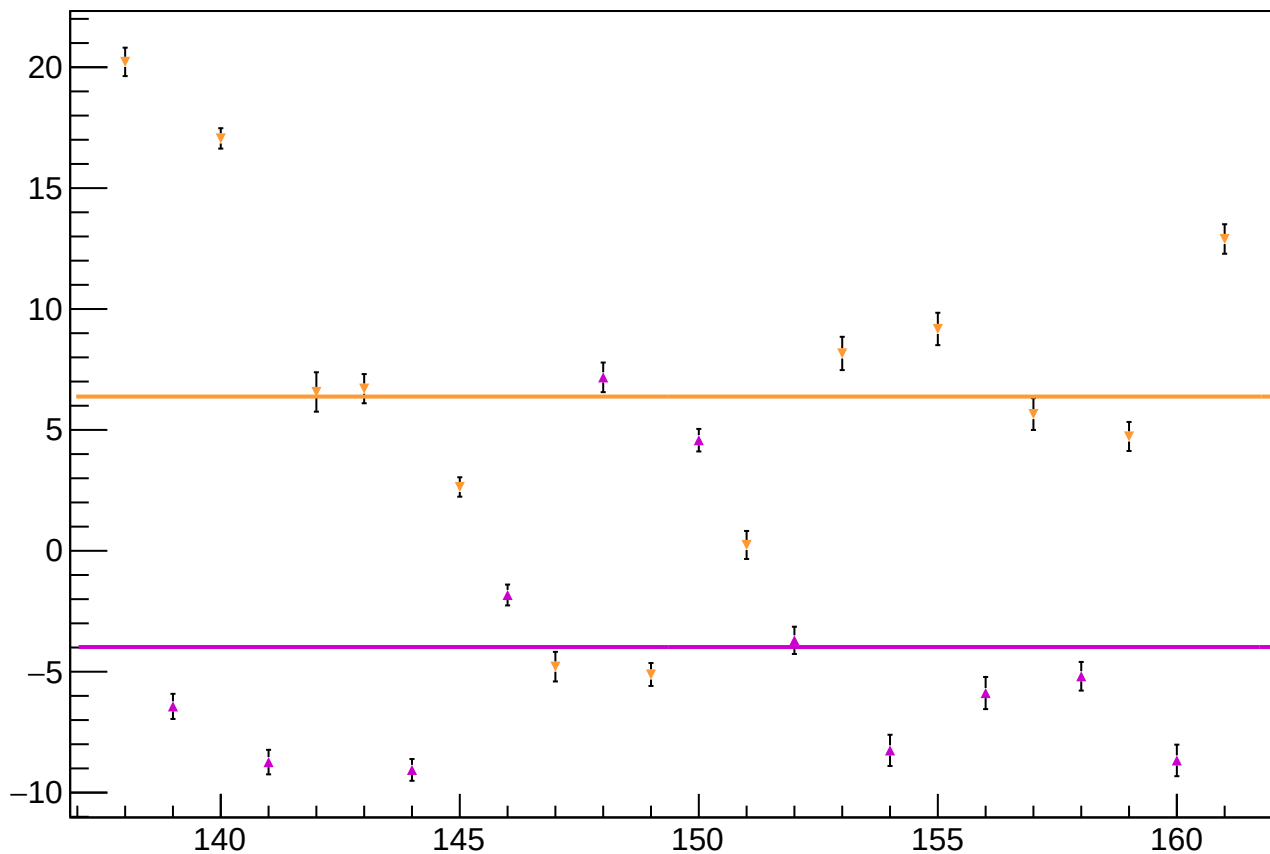
Left In: -0.292 ± 0.012 χ^2/NDF : 20.9/10

0.182 ± 0.011 χ^2/NDF : 783.8/29

0.014 ± 0.008 χ^2/NDF : 2585.5/59

-0.174 ± 0.011 χ^2/NDF : 1268.9/29

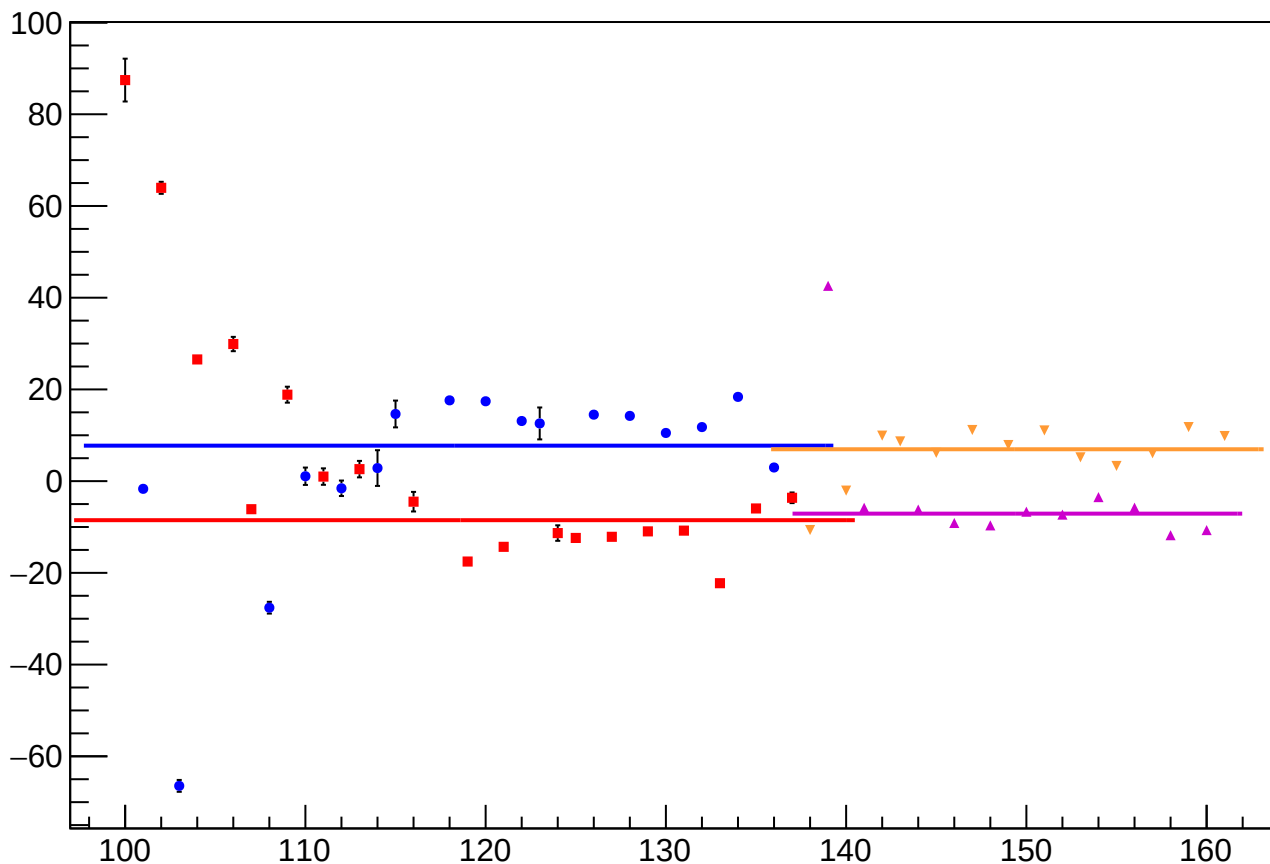
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.379 $\pm$ 0.156 χ^2 /NDF:2461.9/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.980 $\pm$ 0.162 χ^2 /NDF:1039.9/10

6.379 $\pm$ 0.156 χ^2 /NDF: 2461.9/12
 1.394 $\pm$ 0.112 χ^2 /NDF: 5627.5/23
 -3.980 $\pm$ 0.162 χ^2 /NDF: 1039.9/10

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: 6.951 ± 0.108 χ^2/NDF : 2207.7/12

Right Out: -8.514 ± 0.213 χ^2/NDF : 6719.4/18

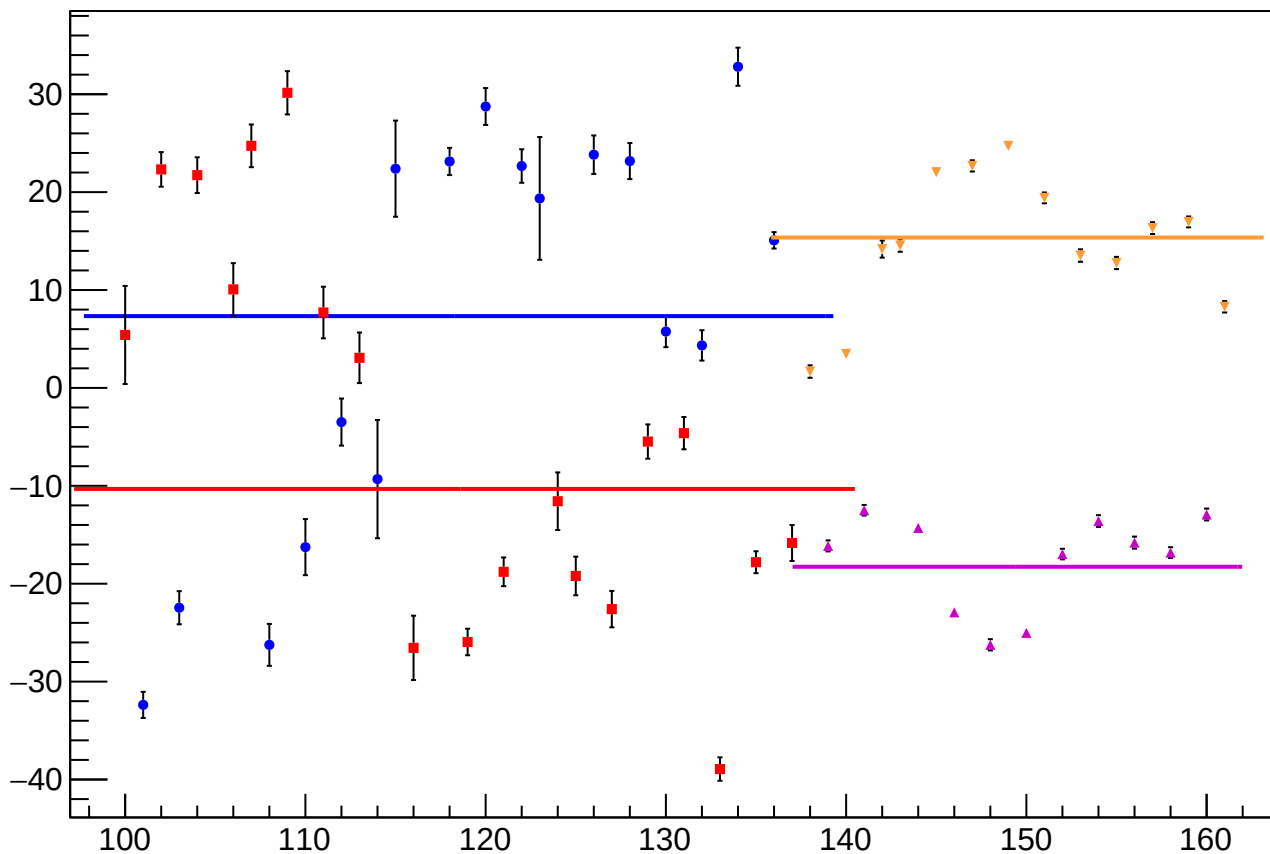
Left In: -7.088 ± 0.112 χ^2/NDF : 3189.1/10

7.107 ± 0.097 χ^2/NDF : 7518.7/29

0.038 ± 0.069 χ^2/NDF : 28363.5/59

-7.398 ± 0.099 χ^2/NDF : 9943.5/29

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: 15.360 ± 0.154 χ^2/NDF : 2259.2/12

Right Out: -10.317 ± 0.417 χ^2/NDF : 2281.5/18

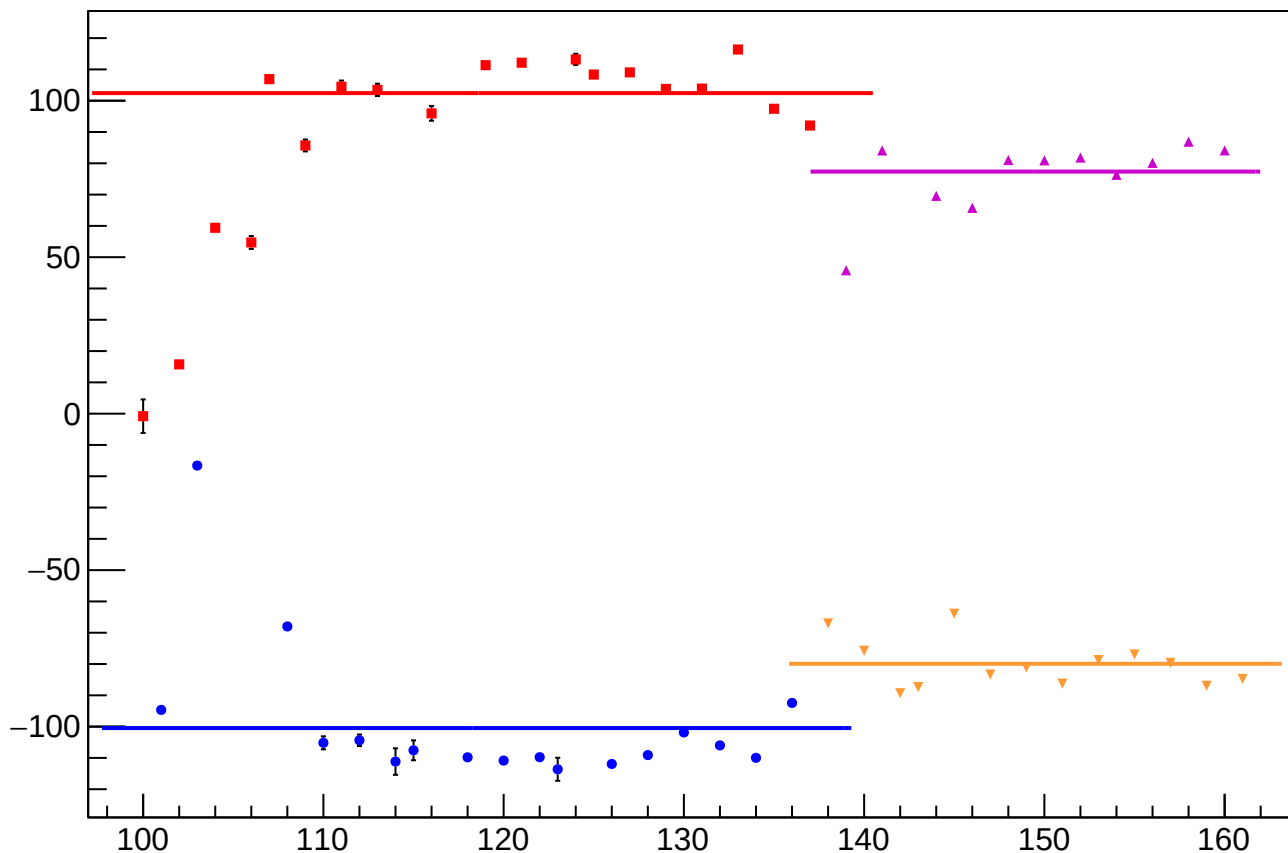
Left In: -18.269 ± 0.158 χ^2/NDF : 922.4/10

14.400 ± 0.145 χ^2/NDF : 4876.1/29

-1.088 ± 0.103 χ^2/NDF : 31803.9/59

-17.267 ± 0.148 χ^2/NDF : 3521.9/29

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: -79.918 ± 0.129 χ^2/NDF : 3385.8/12

Right Out: 102.431 ± 0.246 χ^2/NDF : 6094.3/18

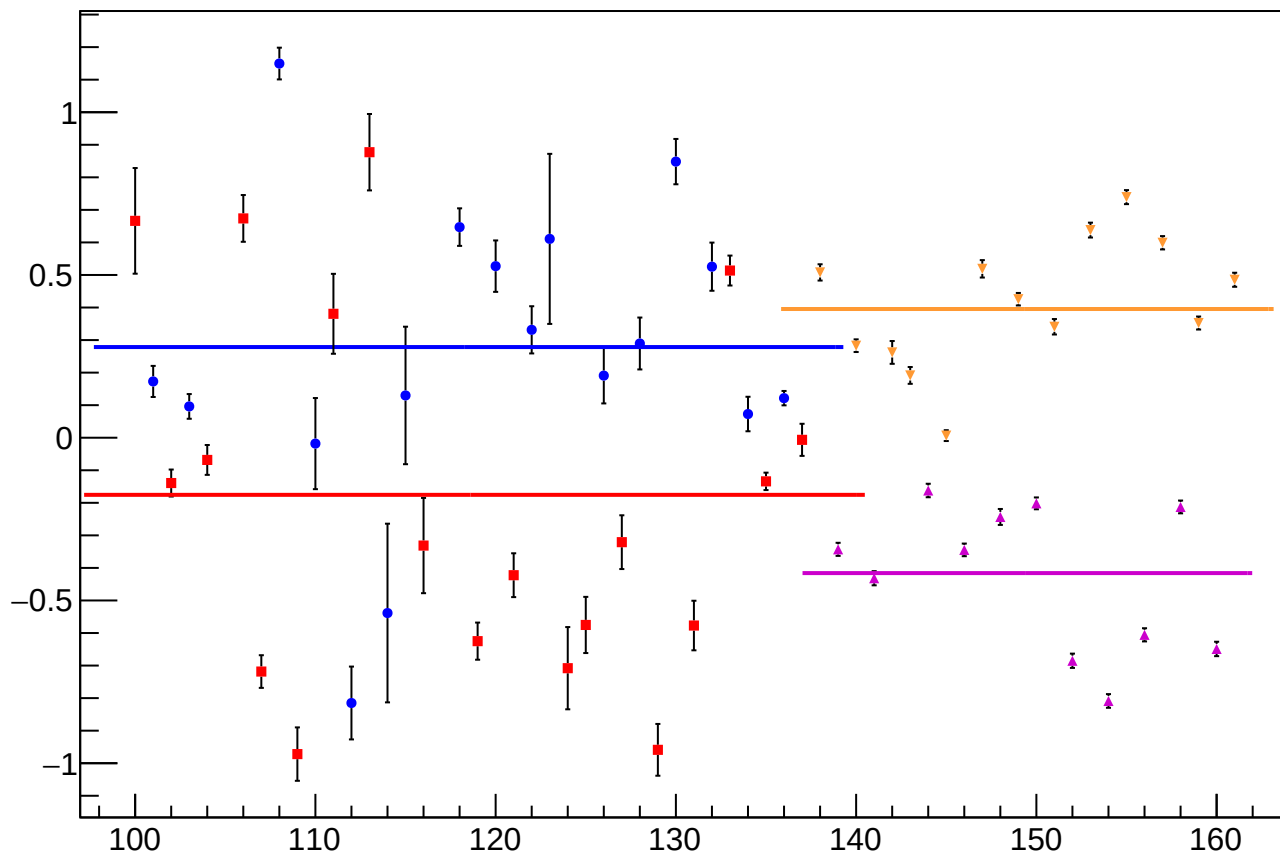
Left In: 77.354 ± 0.133 χ^2/NDF : 3980.3/10

-84.193 ± 0.114 χ^2/NDF : 13160.2/29

-2.552 ± 0.082 χ^2/NDF : 1074558.8/59

83.025 ± 0.117 χ^2/NDF : 18099.3/29

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: 0.395 ± 0.006 χ^2/NDF : 1192.8/12

Right Out: -0.175 ± 0.013 χ^2/NDF : 967.7/18

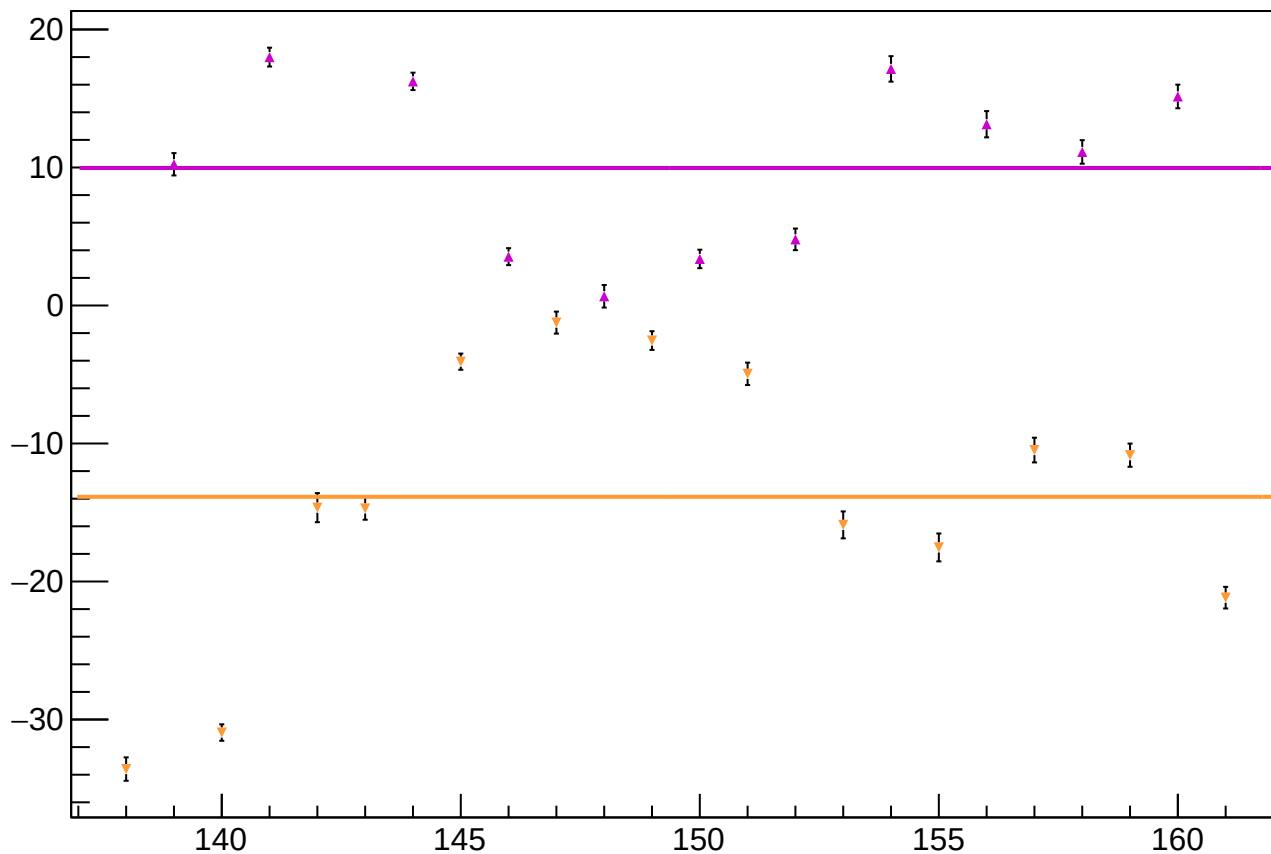
Left In: -0.416 ± 0.006 χ^2/NDF : 1169.1/10

0.376 ± 0.006 χ^2/NDF : 1908.9/29

0.010 ± 0.004 χ^2/NDF : 13249.1/59

-0.373 ± 0.006 χ^2/NDF : 2398.7/29

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.863+/-0.218 χ^2/NDF : 2423.5/12

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

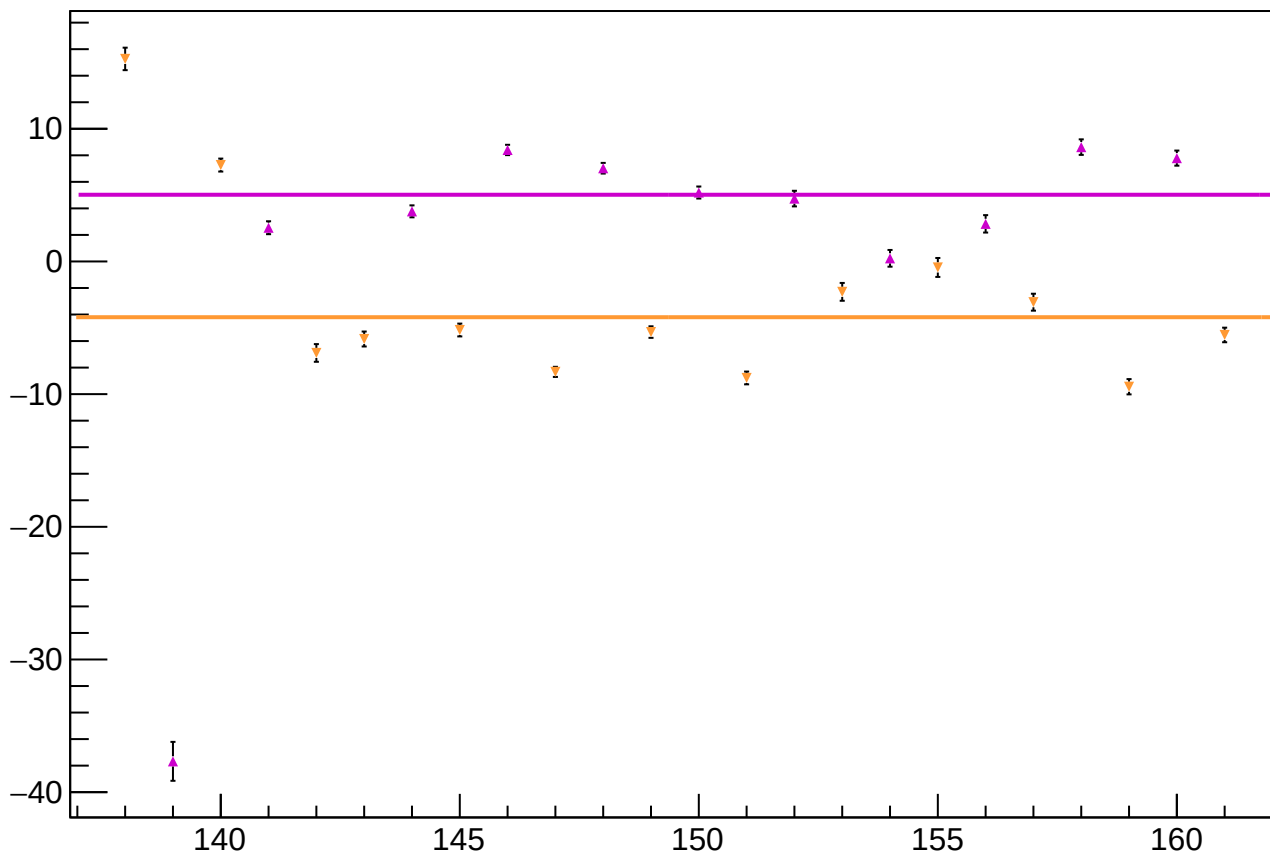
Left In: 9.965+/-0.228 χ^2/NDF : 726.7/10

-13.863+/-0.218 χ^2/NDF : 2423.5/12

-2.505+/-0.158 χ^2/NDF : 8856.3/23

9.965+/-0.228 χ^2/NDF : 726.7/10

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -4.203+/-0.150 χ^2/NDF : 1448.5/12

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

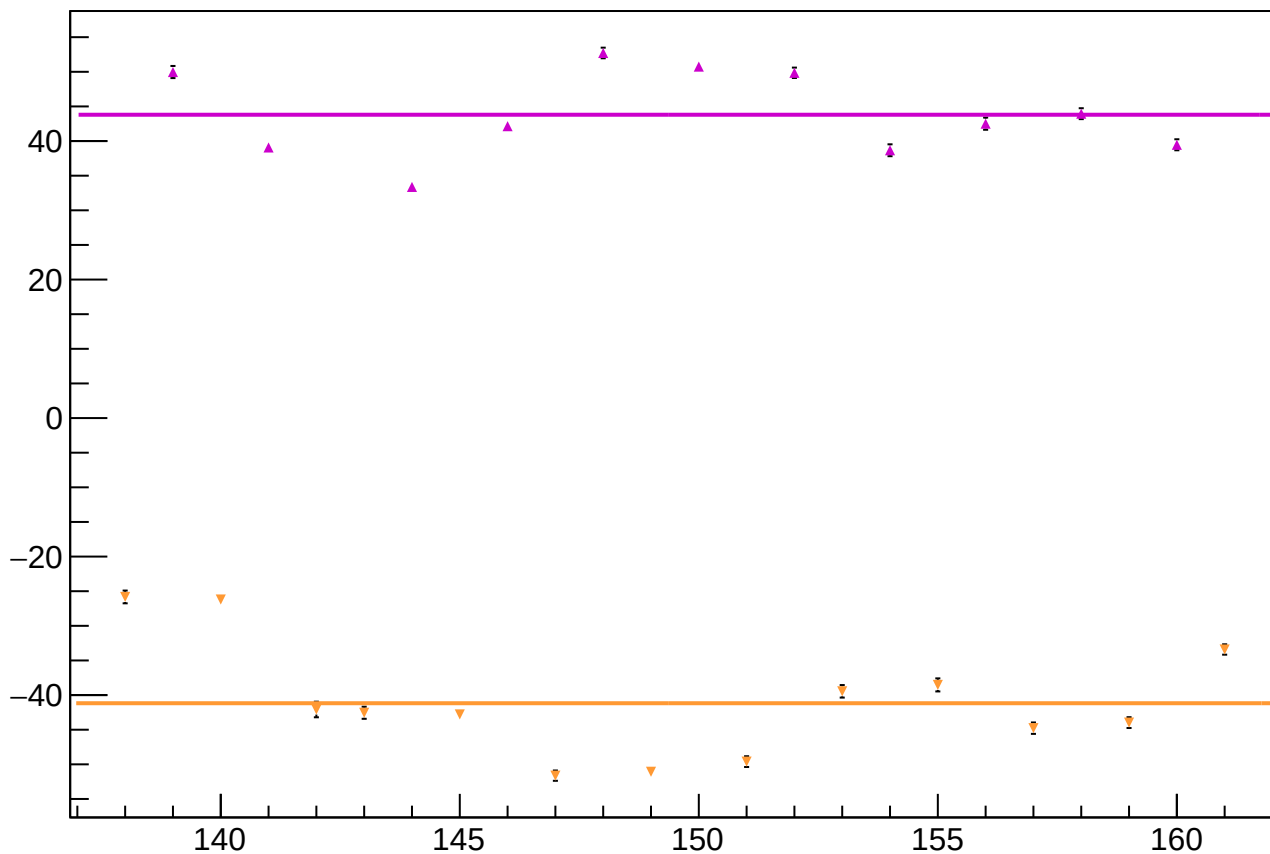
Left In: 5.028+/-0.156 χ^2/NDF : 1111.9/10

-4.203+/-0.150 χ^2/NDF : 1448.5/12

0.214+/-0.108 χ^2/NDF : 4381.7/23

5.028+/-0.156 χ^2/NDF : 1111.9/10

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -41.176+/-0.215 χ^2/NDF : 1554.9/12

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

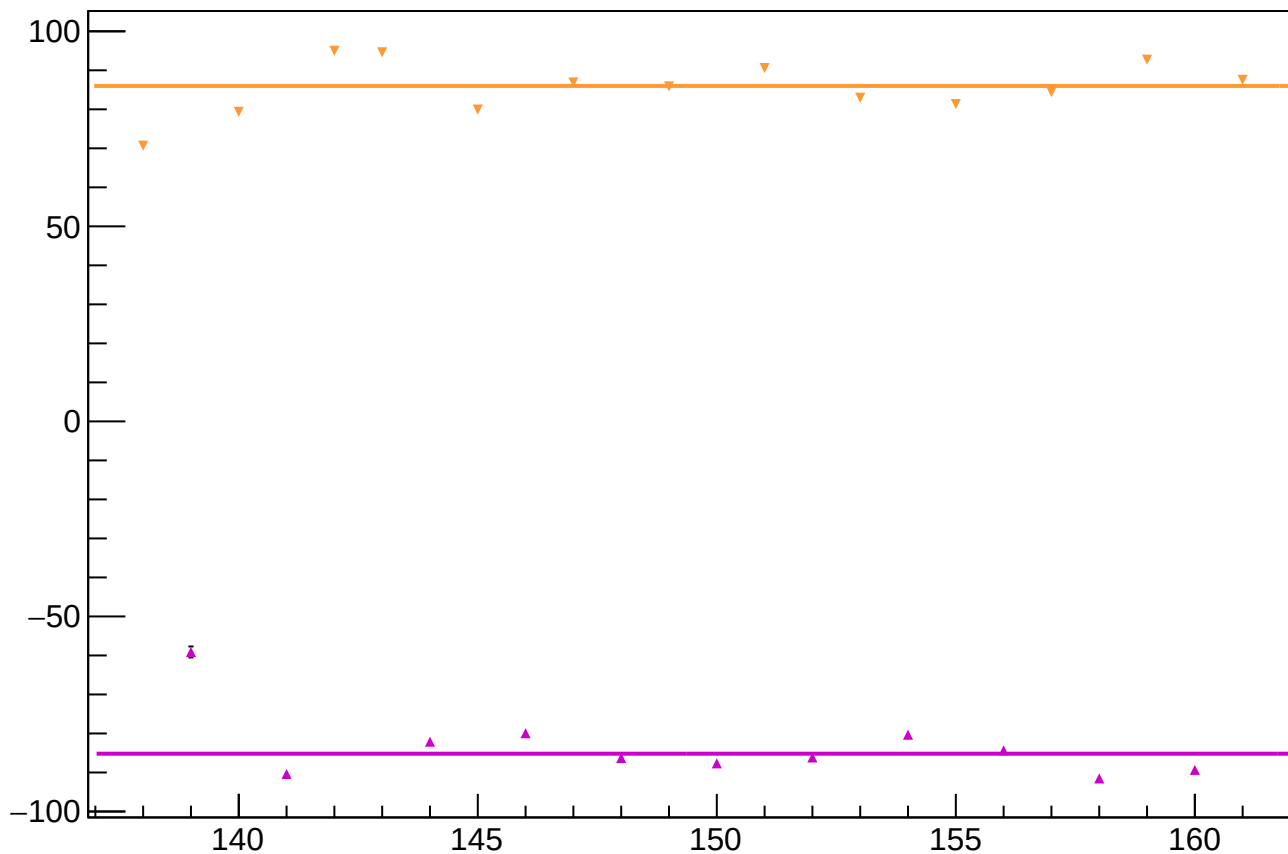
Left In: 43.800+/-0.223 χ^2/NDF : 729.7/10

-41.176+/-0.215 χ^2/NDF : 1554.9/12

-0.149+/-0.155 χ^2/NDF : 77448.0/23

43.800+/-0.223 χ^2/NDF : 729.7/10

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 85.999+/-0.178 χ^2/NDF : 1022.1/12

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

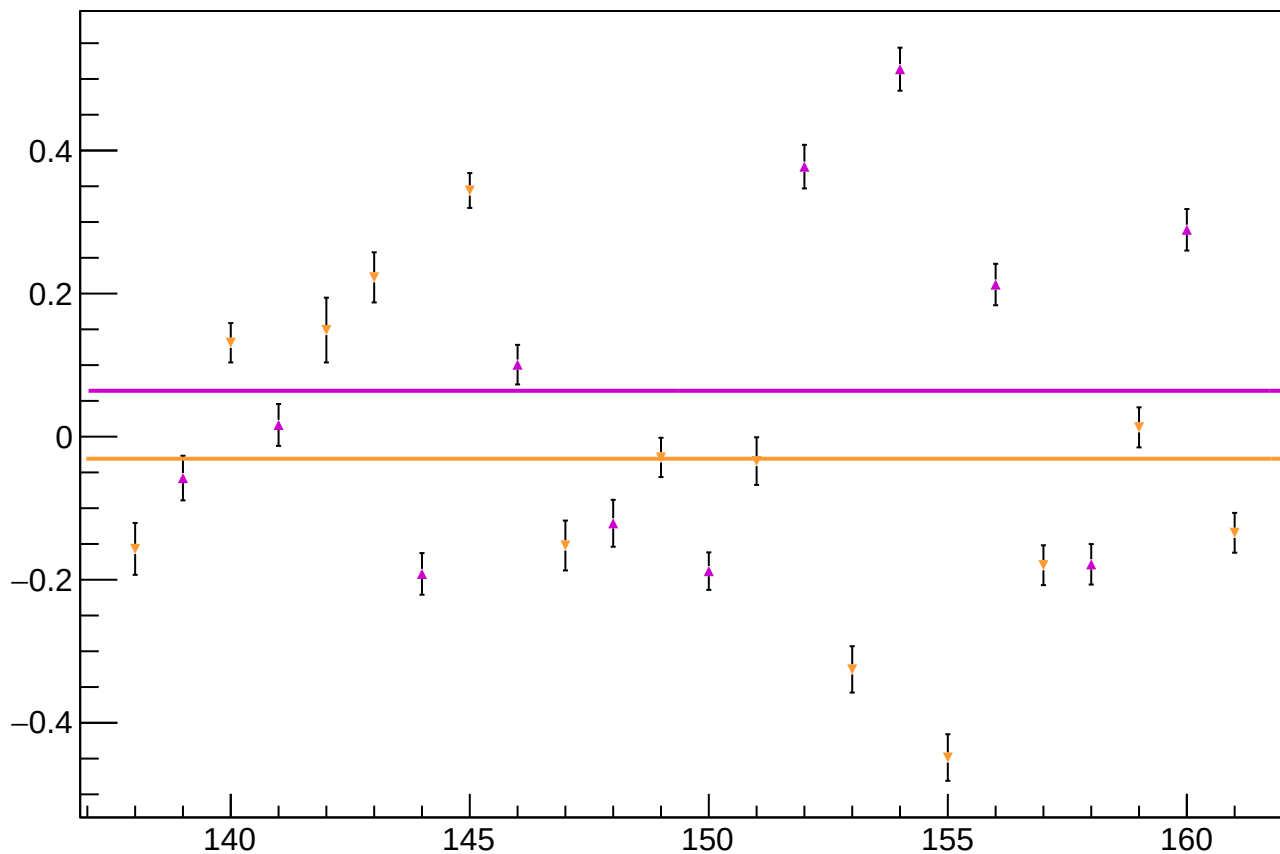
Left In: -85.186+/-0.186 χ^2/NDF : 793.4/10

85.999+/-0.178 χ^2/NDF : 1022.1/12

3.945+/-0.129 χ^2/NDF : 444384.2/23

-85.186+/-0.186 χ^2/NDF : 793.4/10

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.031+/-0.008 χ^2/NDF : 656.5/12

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

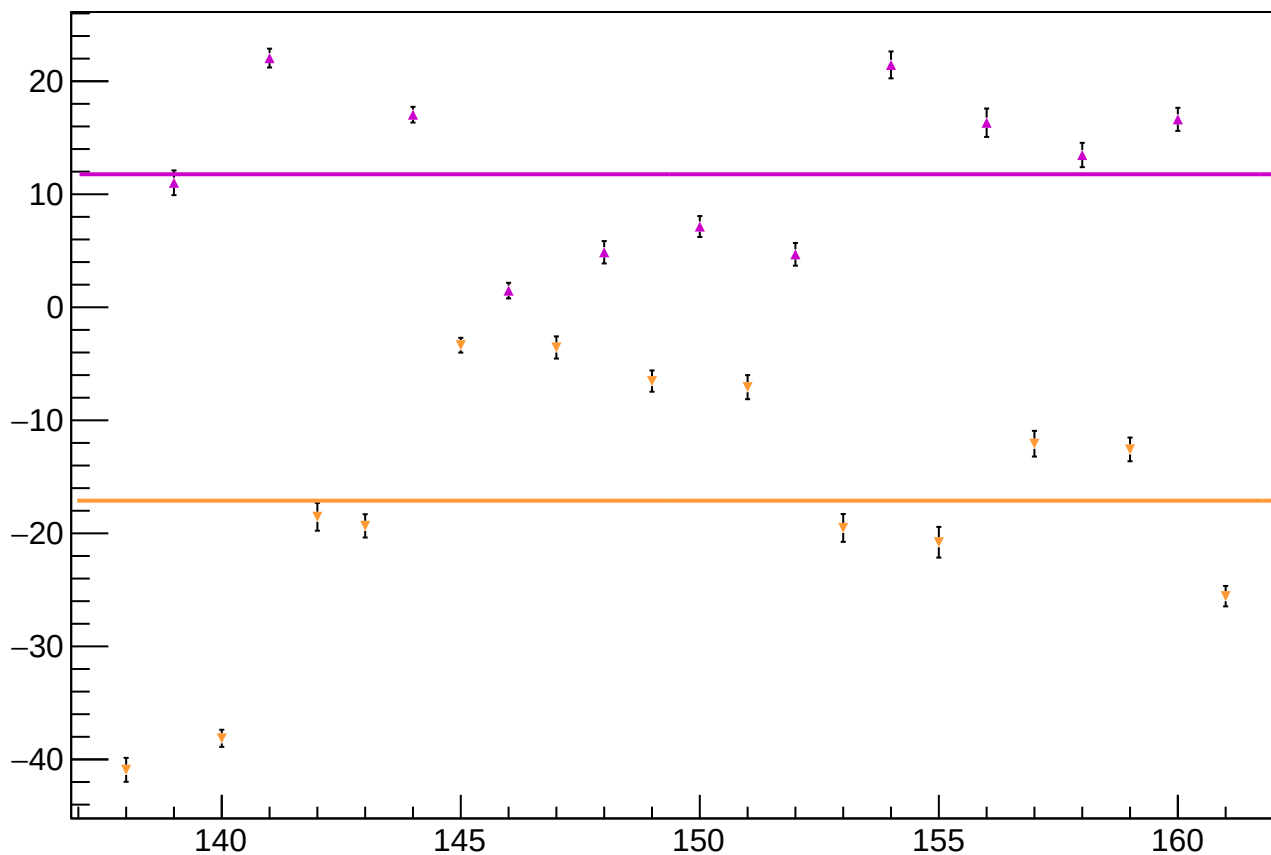
Left In: 0.064+/-0.009 χ^2/NDF : 710.0/10

-0.031+/-0.008 χ^2/NDF : 656.5/12

0.015+/-0.006 χ^2/NDF : 1426.7/23

0.064+/-0.009 χ^2/NDF : 710.0/10

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.109+/-0.270 χ^2/NDF : 2268.0/12

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

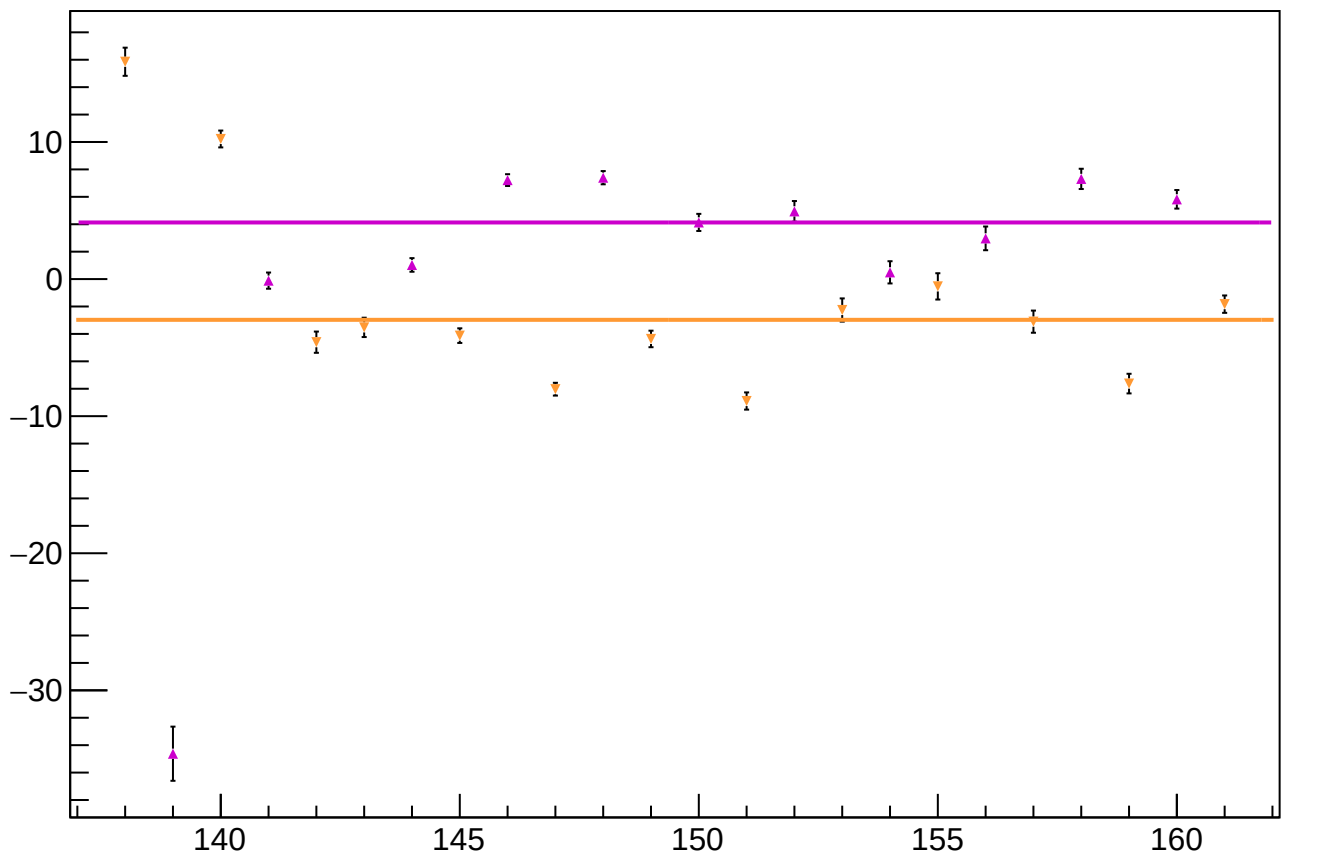
Left In: 11.769+/-0.280 χ^2/NDF : 659.0/10

-17.109+/-0.270 χ^2/NDF : 2268.0/12

-3.194+/-0.194 χ^2/NDF : 8446.1/23

11.769+/-0.280 χ^2/NDF : 659.0/10

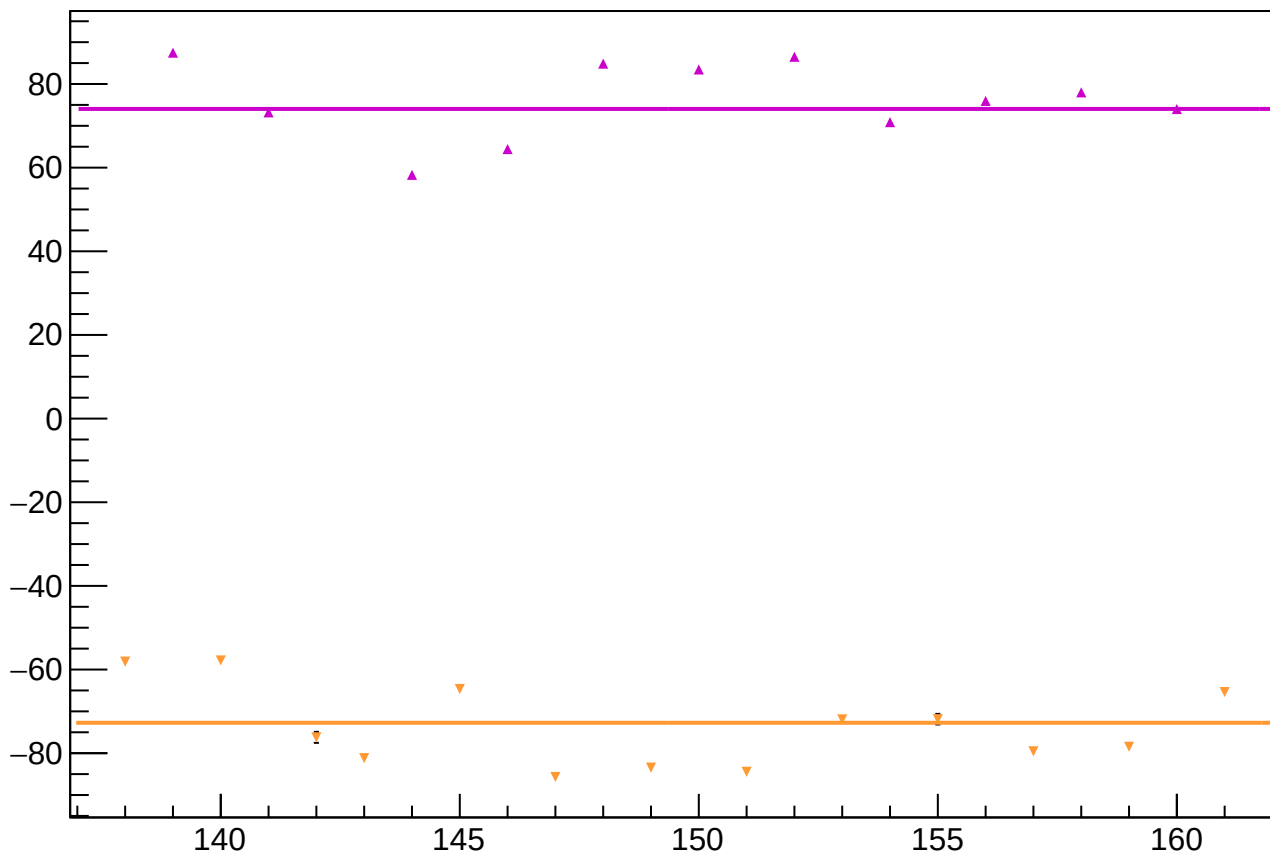
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.973 $\pm$ 0.185 χ^2 /NDF:1071.3/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.129 $\pm$ 0.189 χ^2 /NDF:621.0/10

-2.973 $\pm$ 0.185 χ^2 /NDF: 1071.3/12
 0.516 $\pm$ 0.132 χ^2 /NDF: 2413.8/23
 4.129 $\pm$ 0.189 χ^2 /NDF: 621.0/10

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -72.729+/-0.268 χ^2/NDF :1336.9/12

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

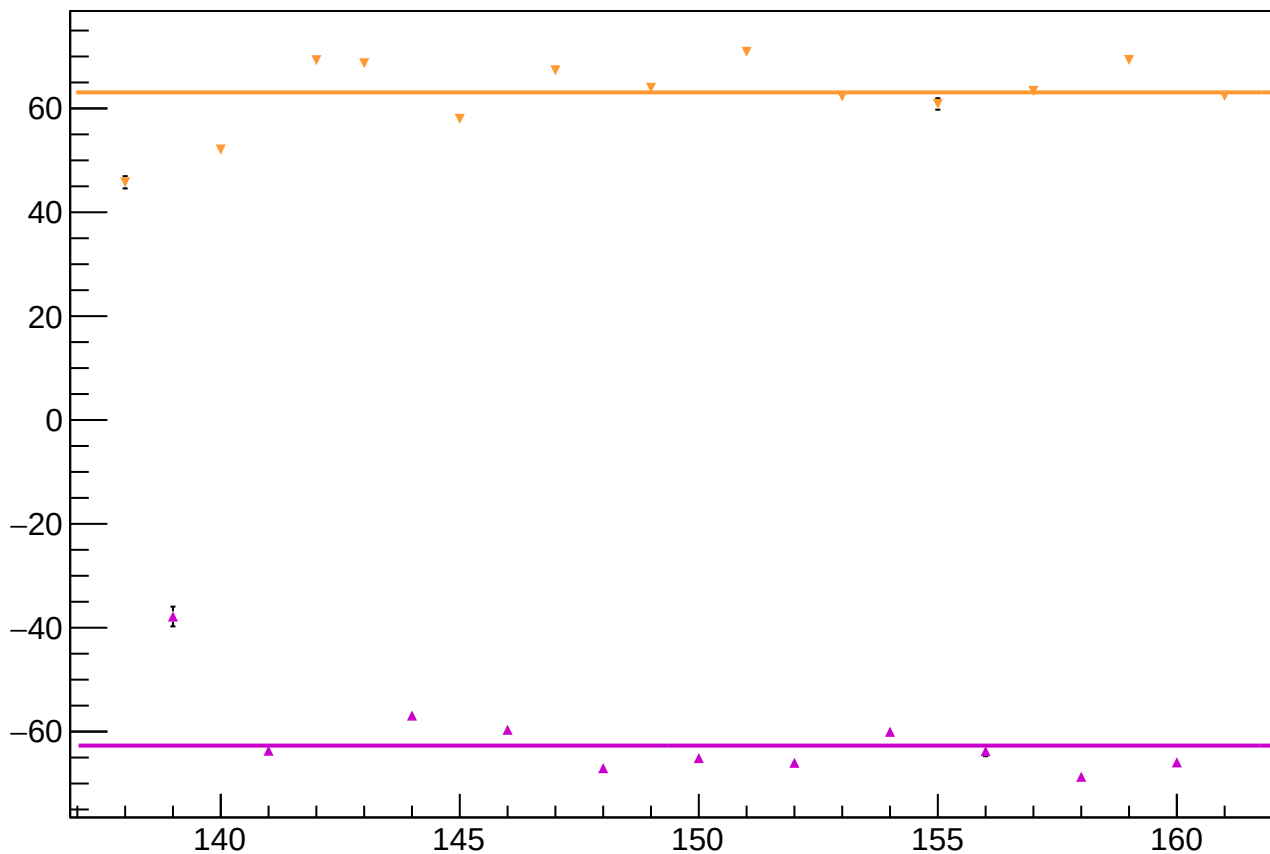
Left In: 74.036+/-0.274 χ^2/NDF :1236.4/10

-72.729+/-0.268 χ^2/NDF : 1336.9/12

-1.012+/-0.192 χ^2/NDF : 149151.4/23

74.036+/-0.274 χ^2/NDF : 1236.4/10

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 63.087+/-0.221 χ^2/NDF : 801.1/12

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

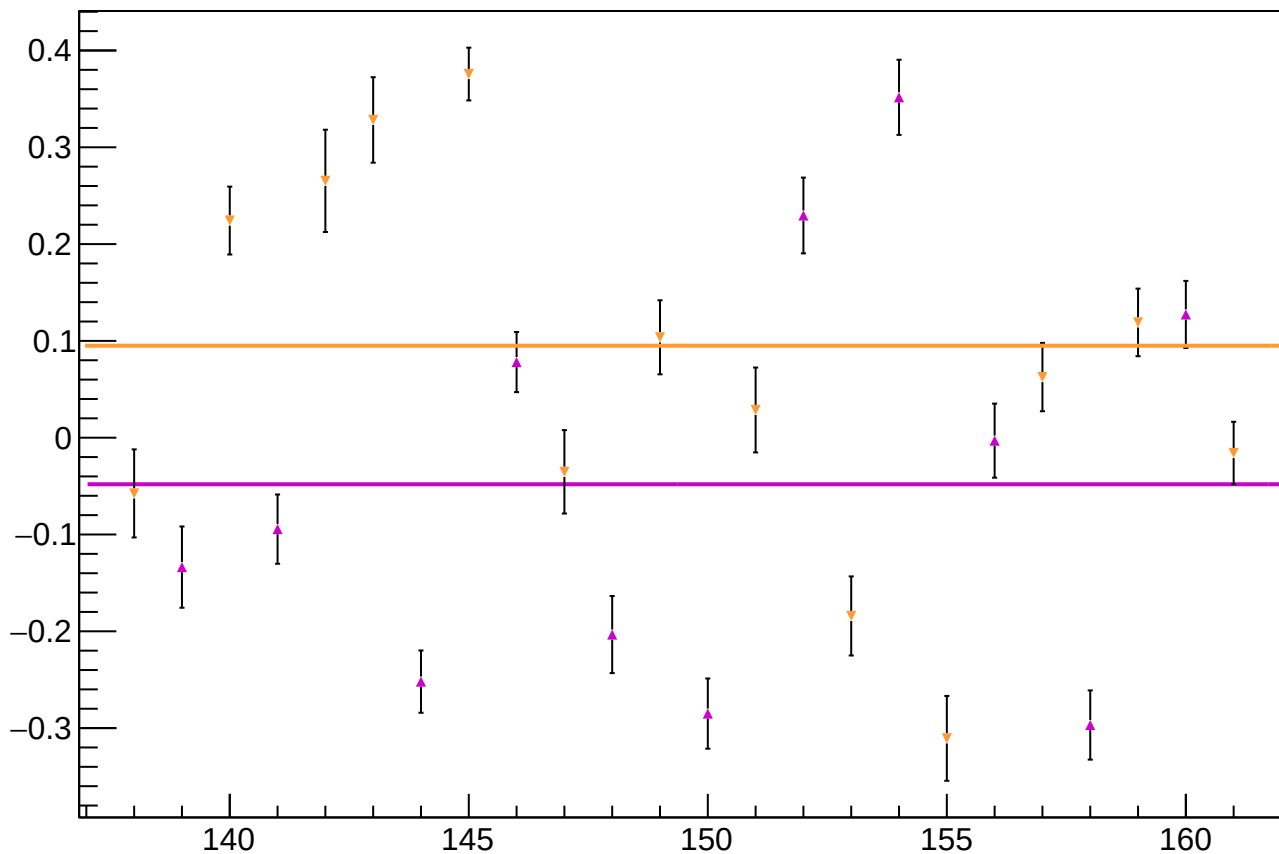
Left In: -62.699+/-0.226 χ^2/NDF : 455.2/10

63.087+/-0.221 χ^2/NDF : 801.1/12

1.638+/-0.158 χ^2/NDF : 159924.6/23

-62.699+/-0.226 χ^2/NDF : 455.2/10

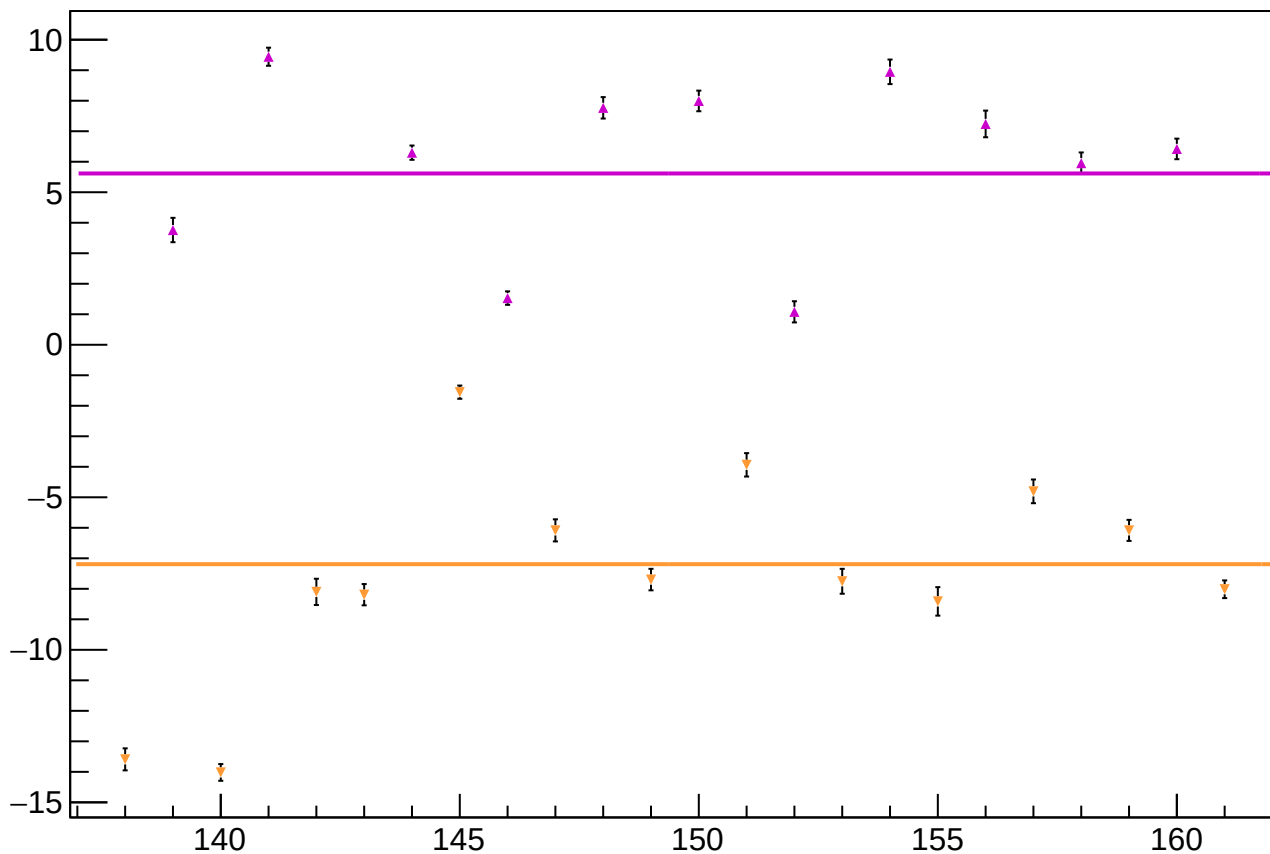
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.095 ± 0.011 χ^2/NDF : 326.2/12
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -0.048 ± 0.011 χ^2/NDF : 352.3/10

0.095 ± 0.011 χ^2/NDF : 326.2/12
 0.026 ± 0.008 χ^2/NDF : 767.1/23
 -0.048 ± 0.011 χ^2/NDF : 352.3/10

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -7.193+/-0.093 χ^2/NDF : 1767.3/12

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

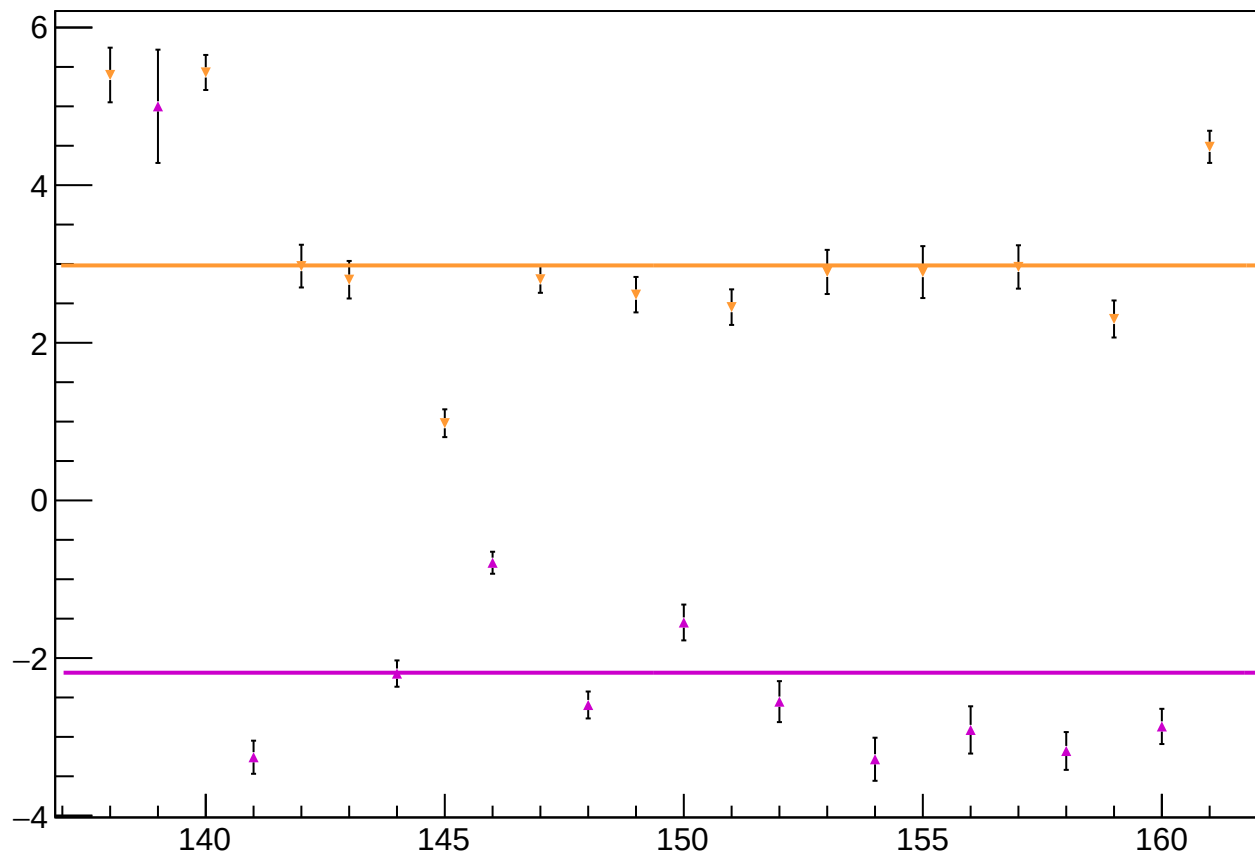
Left In: 5.616+/-0.095 χ^2/NDF : 885.1/10

-7.193+/-0.093 χ^2/NDF : 1767.3/12

-0.955+/-0.067 χ^2/NDF : 11899.3/23

5.616+/-0.095 χ^2/NDF : 885.1/10

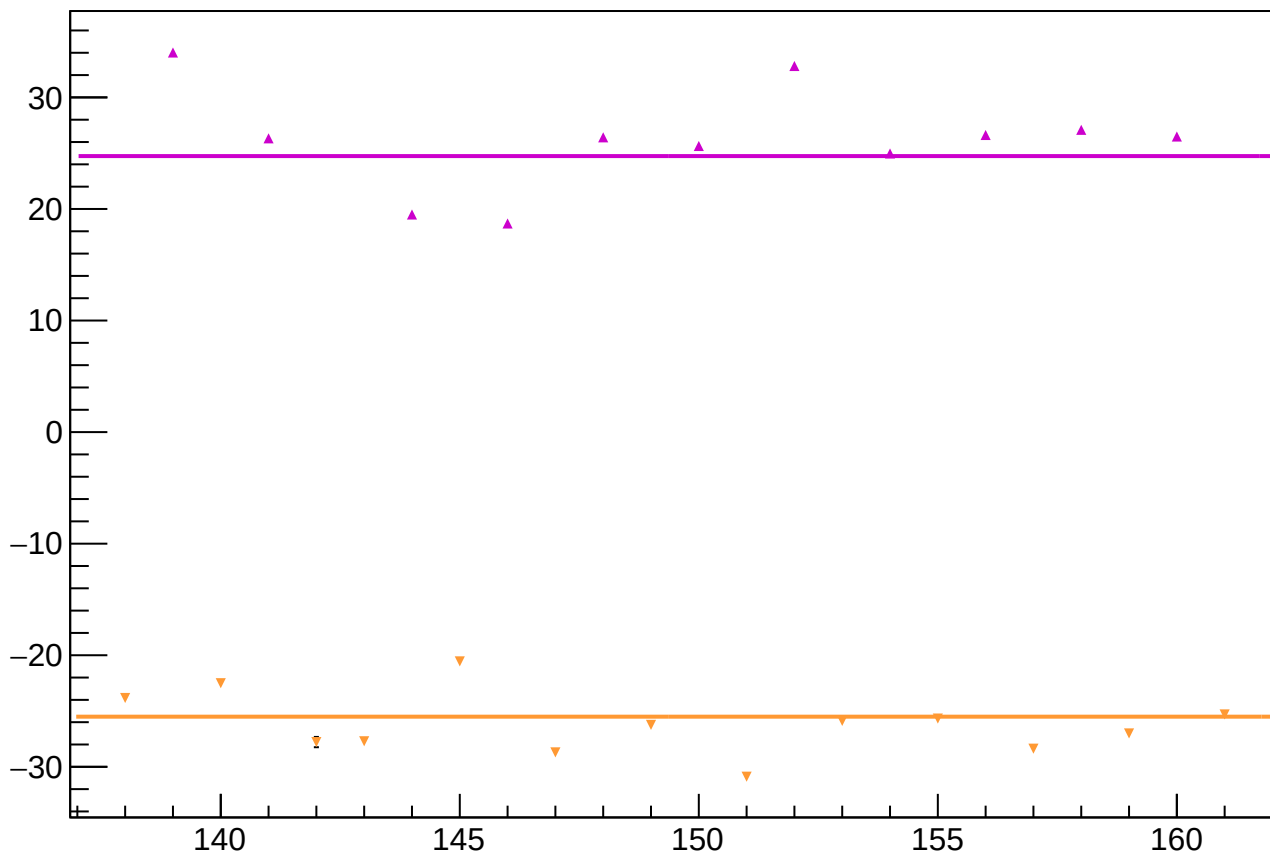
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.982+/-0.064 χ^2/NDF : 371.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.186+/-0.064 χ^2/NDF : 290.0/10

2.982+/-0.064 χ^2/NDF : 371.6/12
 0.401+/-0.045 χ^2/NDF : 3898.9/23
 -2.186+/-0.064 χ^2/NDF : 290.0/10

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -25.505+/-0.092 χ^2/NDF : 1042.6/12

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

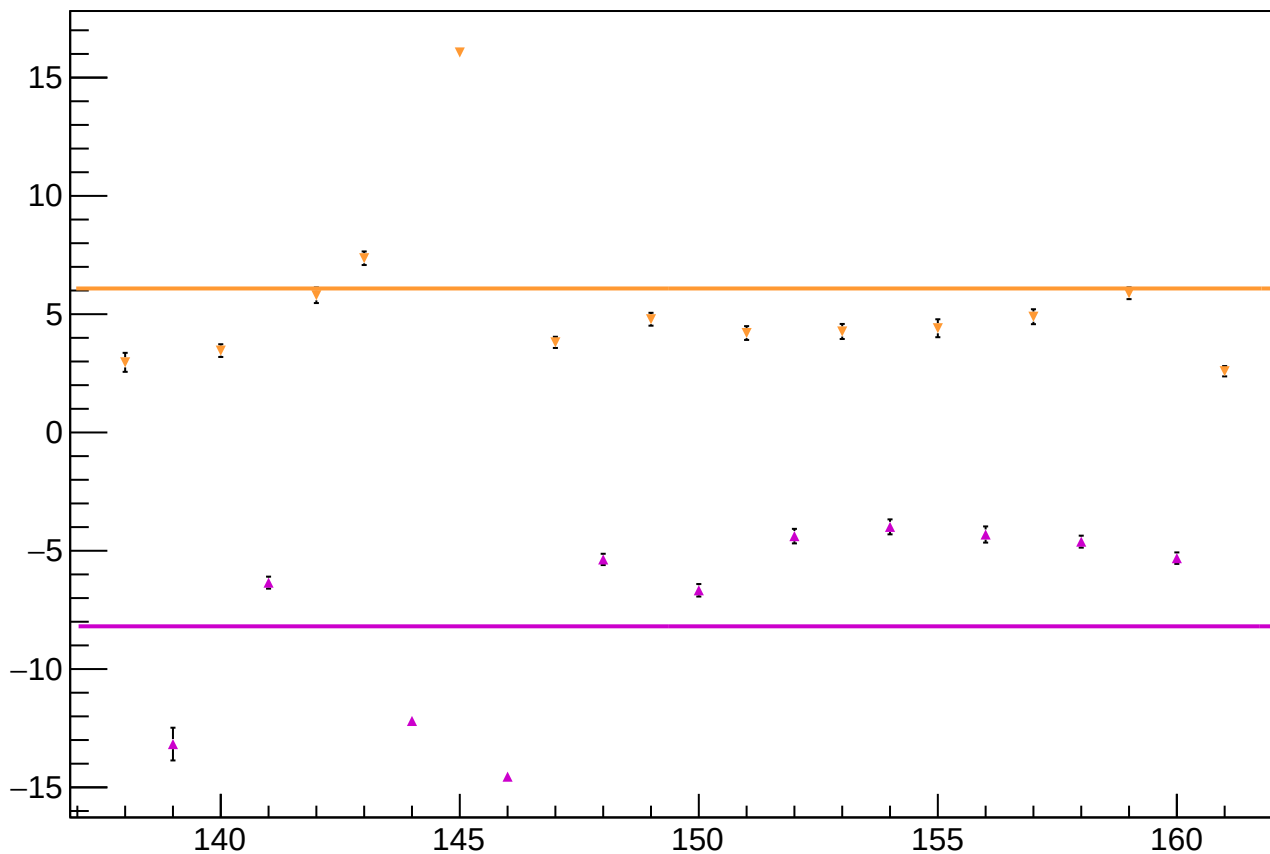
Left In: 24.740+/-0.093 χ^2/NDF : 2462.0/10

-25.505+/-0.092 χ^2/NDF : 1042.6/12

-0.648+/-0.066 χ^2/NDF : 149821.2/23

24.740+/-0.093 χ^2/NDF : 2462.0/10

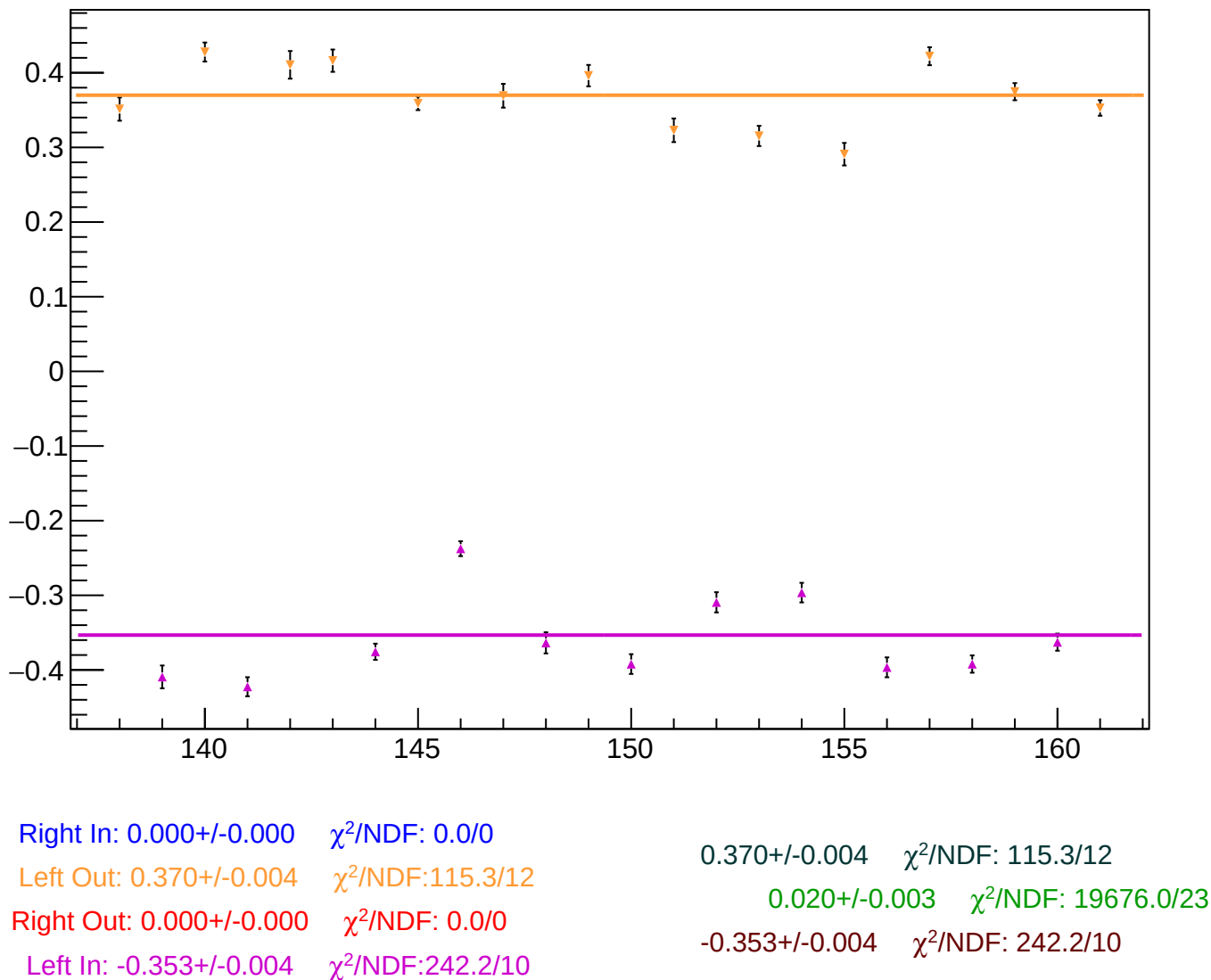
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



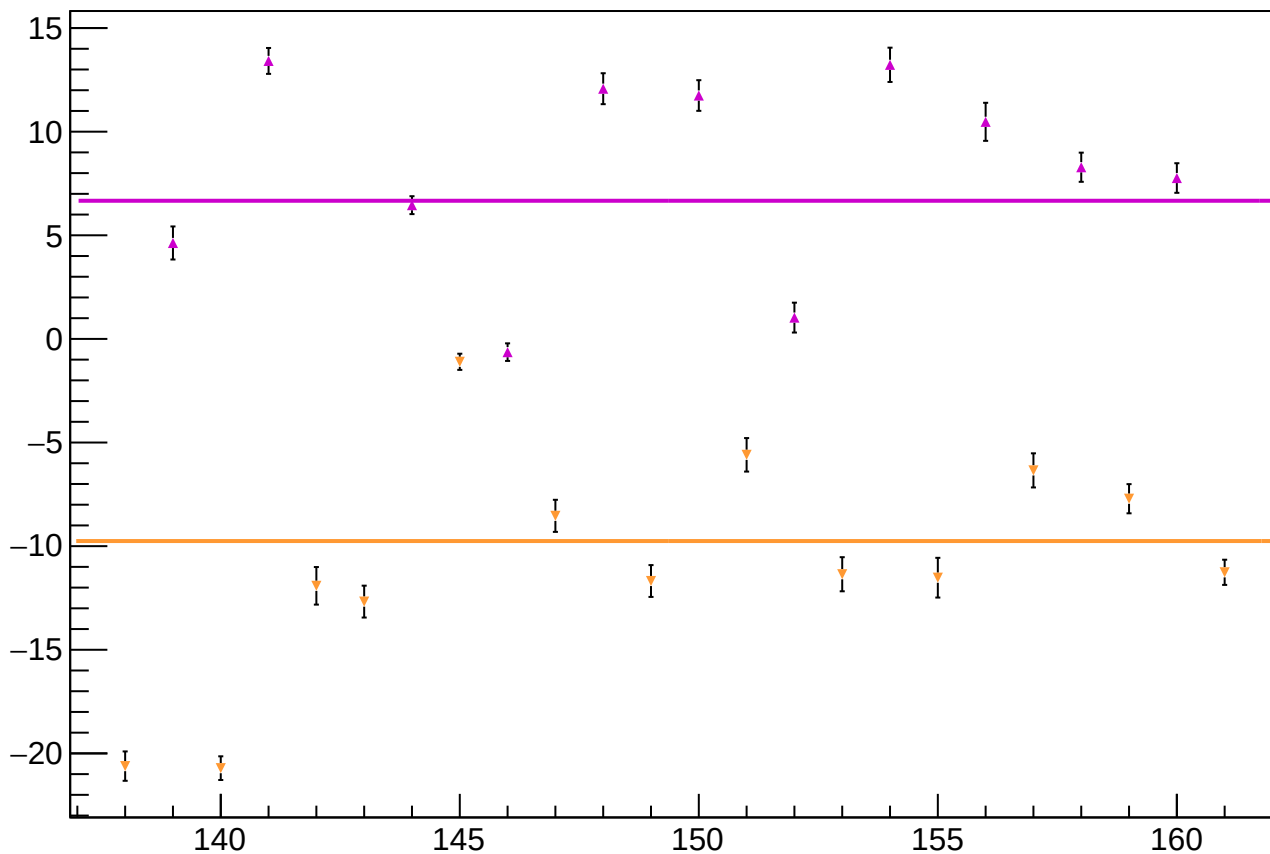
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.086+/-0.076 χ^2/NDF :3067.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.194+/-0.077 χ^2/NDF :2806.0/10

6.086+/-0.076 χ^2/NDF : 3067.6/12
 -0.981+/-0.054 χ^2/NDF : 23319.0/23
 -8.194+/-0.077 χ^2/NDF : 2806.0/10

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.753+/-0.188 χ^2/NDF : 1188.6/12

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

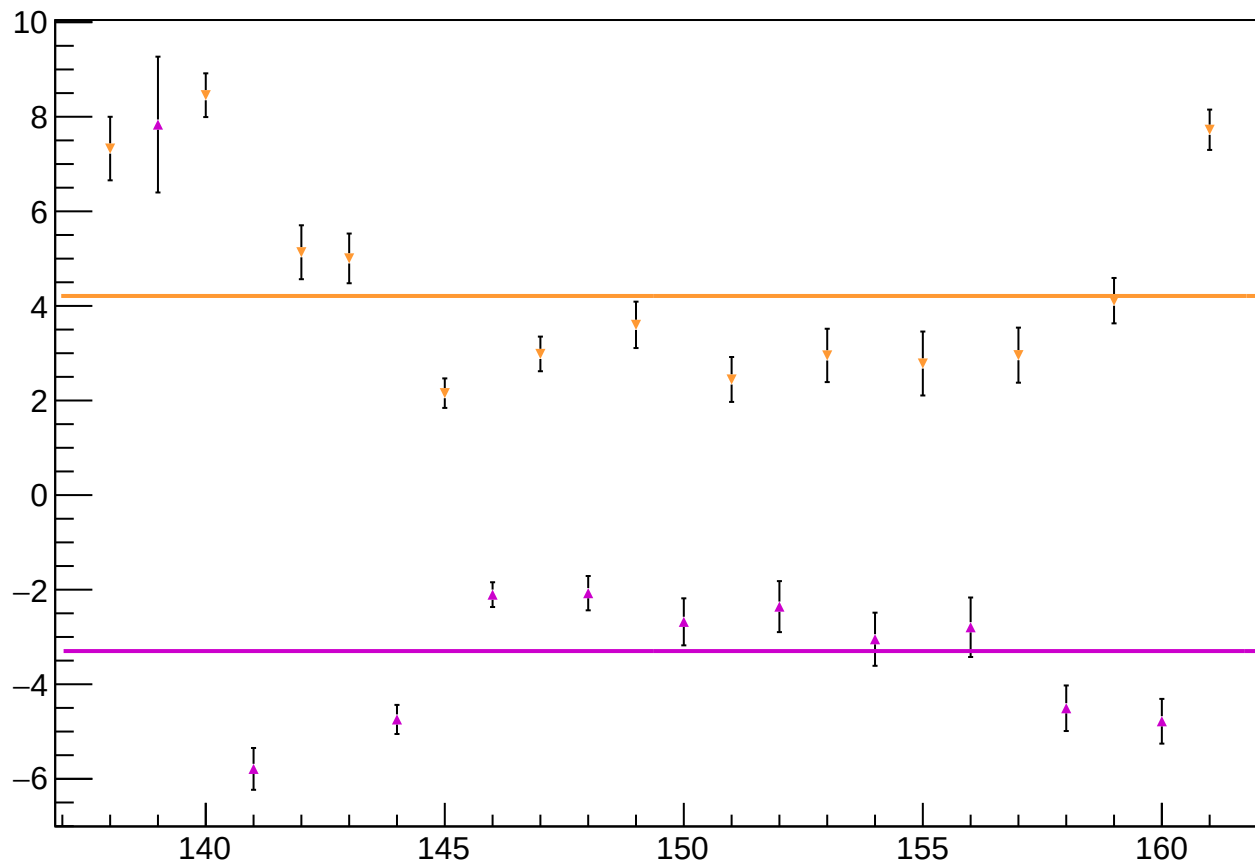
Left In: 6.666+/-0.192 χ^2/NDF : 668.3/10

-9.753+/-0.188 χ^2/NDF : 1188.6/12

-1.687+/-0.134 χ^2/NDF : 5591.1/23

6.666+/-0.192 χ^2/NDF : 668.3/10

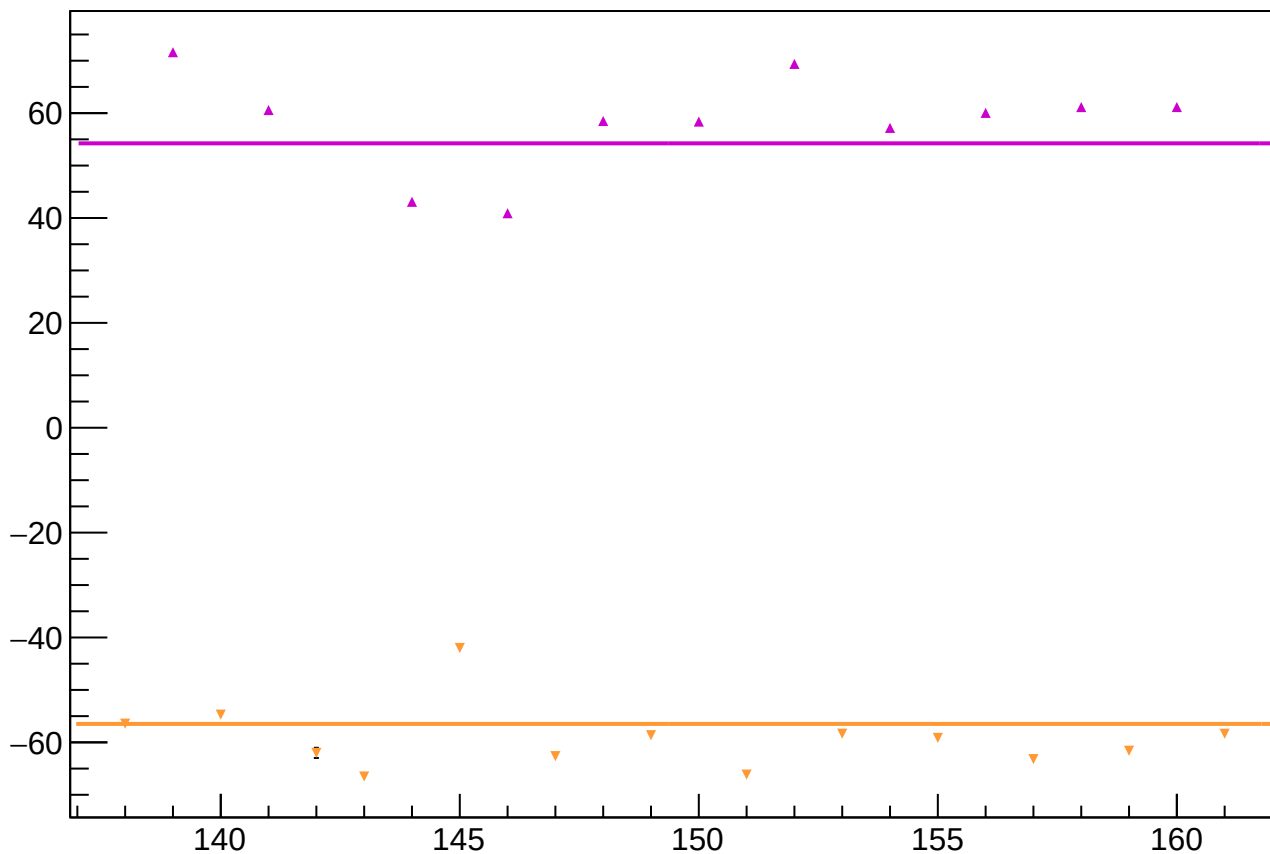
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.211 $\pm$ 0.131 χ^2 /NDF: 262.7/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.298 $\pm$ 0.129 χ^2 /NDF: 167.7/10

4.211 $\pm$ 0.131 χ^2 /NDF: 262.7/12
 0.385 $\pm$ 0.092 χ^2 /NDF: 2097.6/23
 -3.298 $\pm$ 0.129 χ^2 /NDF: 167.7/10

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -56.481 +/- 0.188 χ^2/NDF : 1805.2/12

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

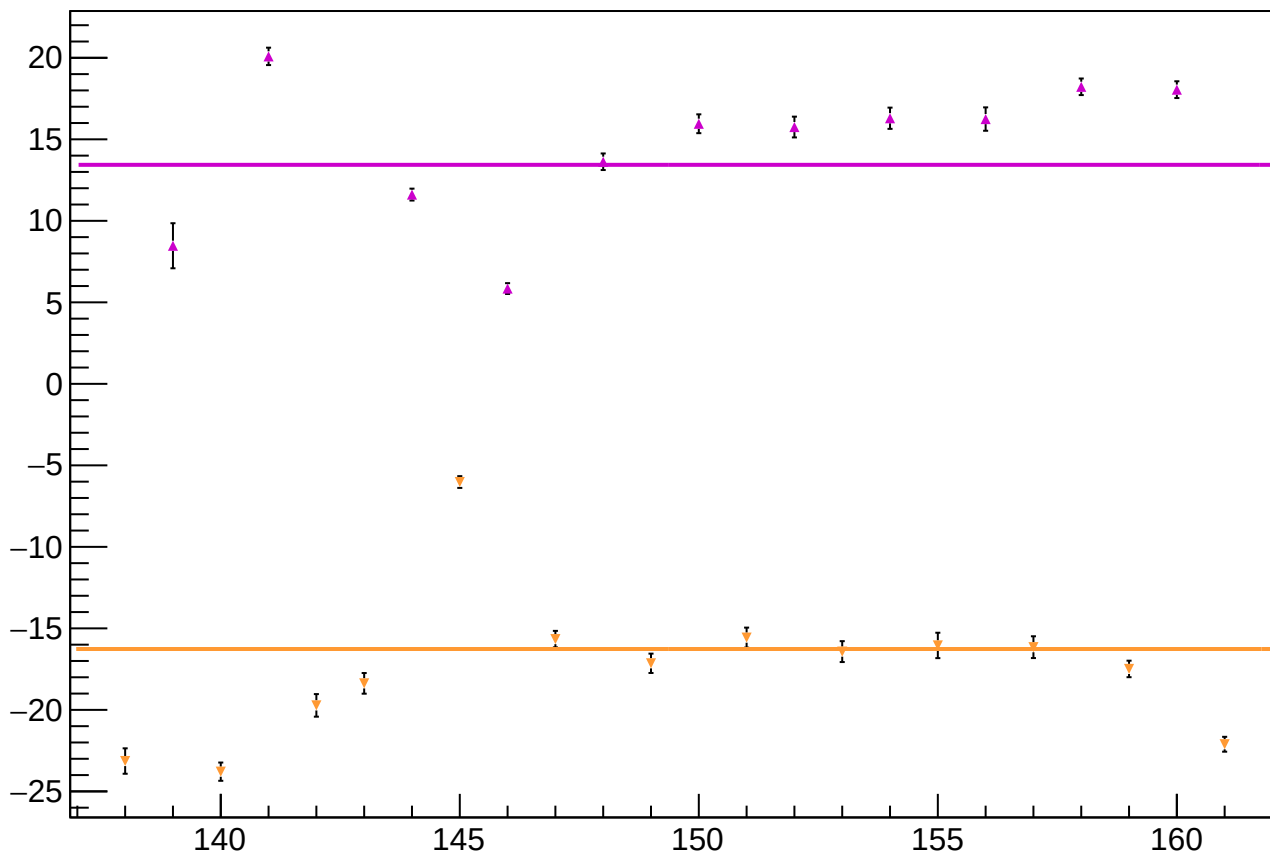
Left In: 54.236 +/- 0.188 χ^2/NDF : 2983.7/10

-56.481 +/- 0.188 χ^2/NDF : 1805.2/12

-1.146 +/- 0.133 χ^2/NDF : 177882.4/23

54.236 +/- 0.188 χ^2/NDF : 2983.7/10

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -16.265+/-0.155 χ^2/NDF :1274.9/12

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

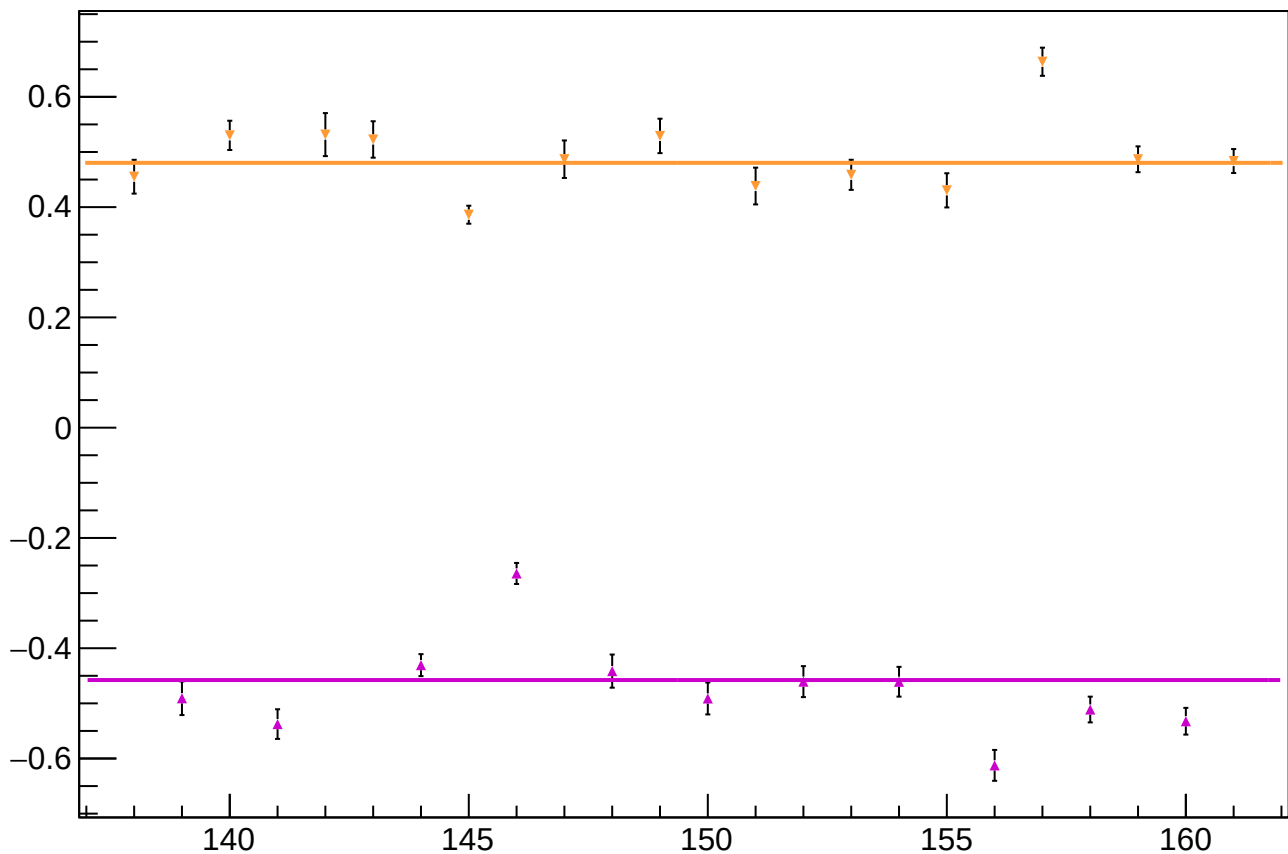
Left In: 13.435+/-0.154 χ^2/NDF :954.5/10

-16.265+/-0.155 χ^2/NDF : 1274.9/12

-1.341+/-0.109 χ^2/NDF : 20633.1/23

13.435+/-0.154 χ^2/NDF : 954.5/10

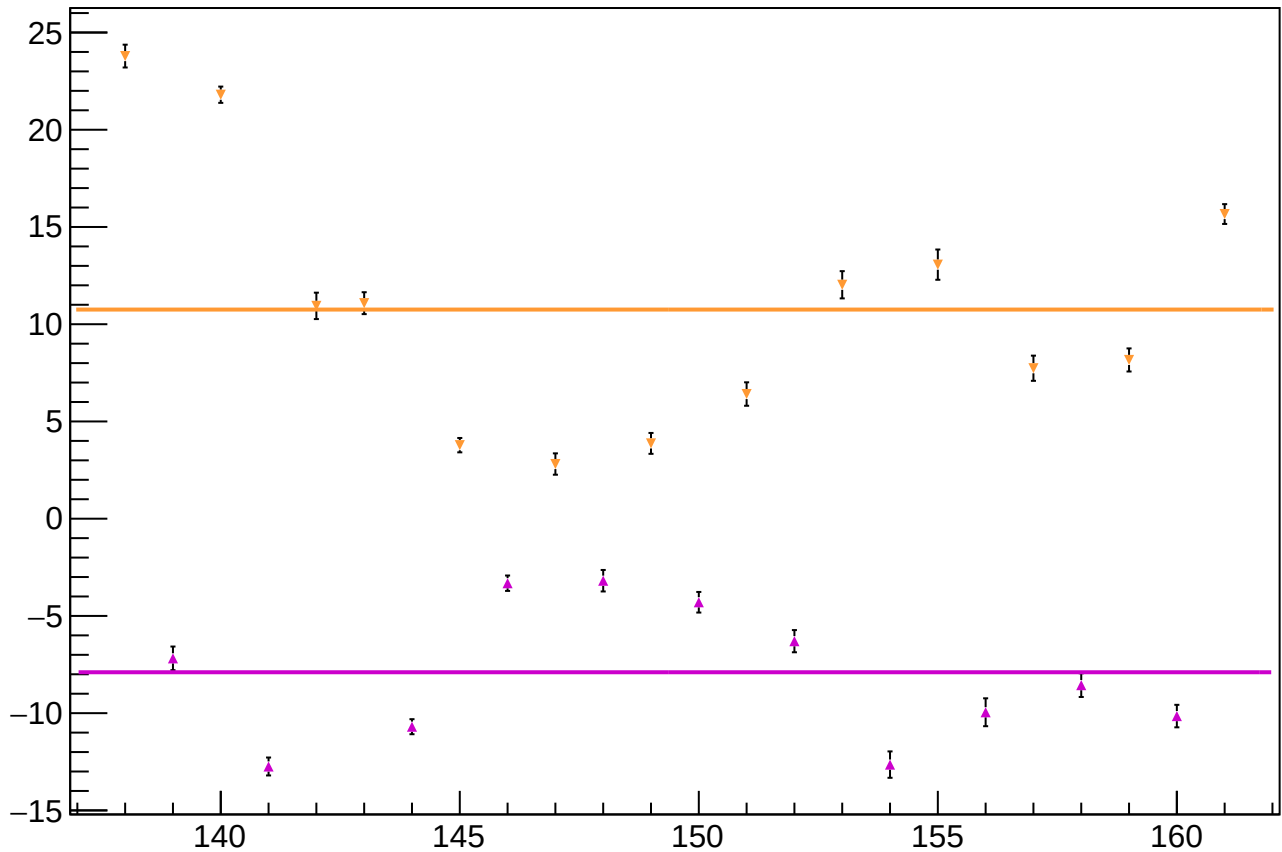
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.480 $\pm$ 0.007 χ^2 /NDF: 99.8/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.458 $\pm$ 0.008 χ^2 /NDF: 161.4/10

0.480 $\pm$ 0.007 χ^2 /NDF: 99.8/12
 0.024 $\pm$ 0.005 χ^2 /NDF: 8159.1/23
 -0.458 $\pm$ 0.008 χ^2 /NDF: 161.4/10

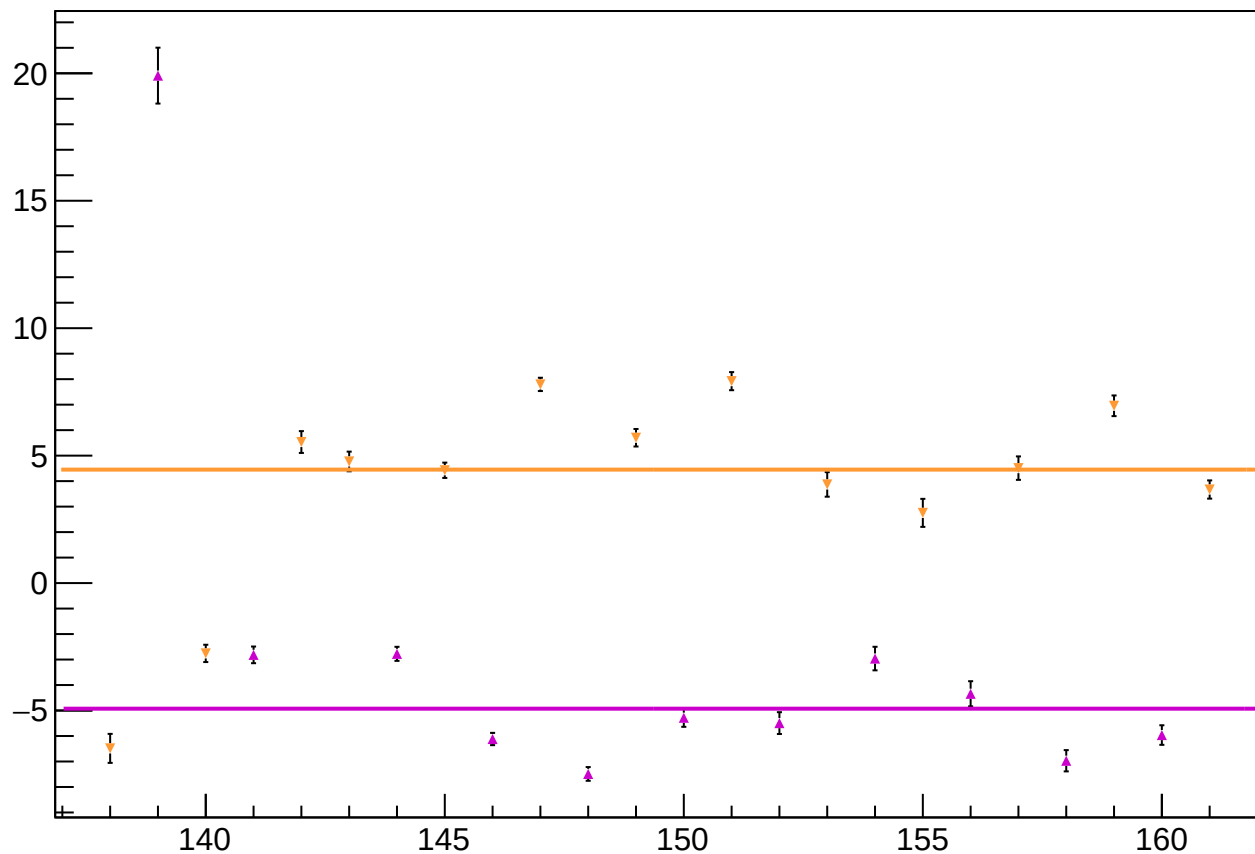
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 10.753+/-0.151 χ^2/NDF : 2119.0/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.896+/-0.158 χ^2/NDF : 498.2/10

10.753+/-0.151 χ^2/NDF : 2119.0/12
 1.805+/-0.109 χ^2/NDF : 9889.0/23
 -7.896+/-0.158 χ^2/NDF : 498.2/10

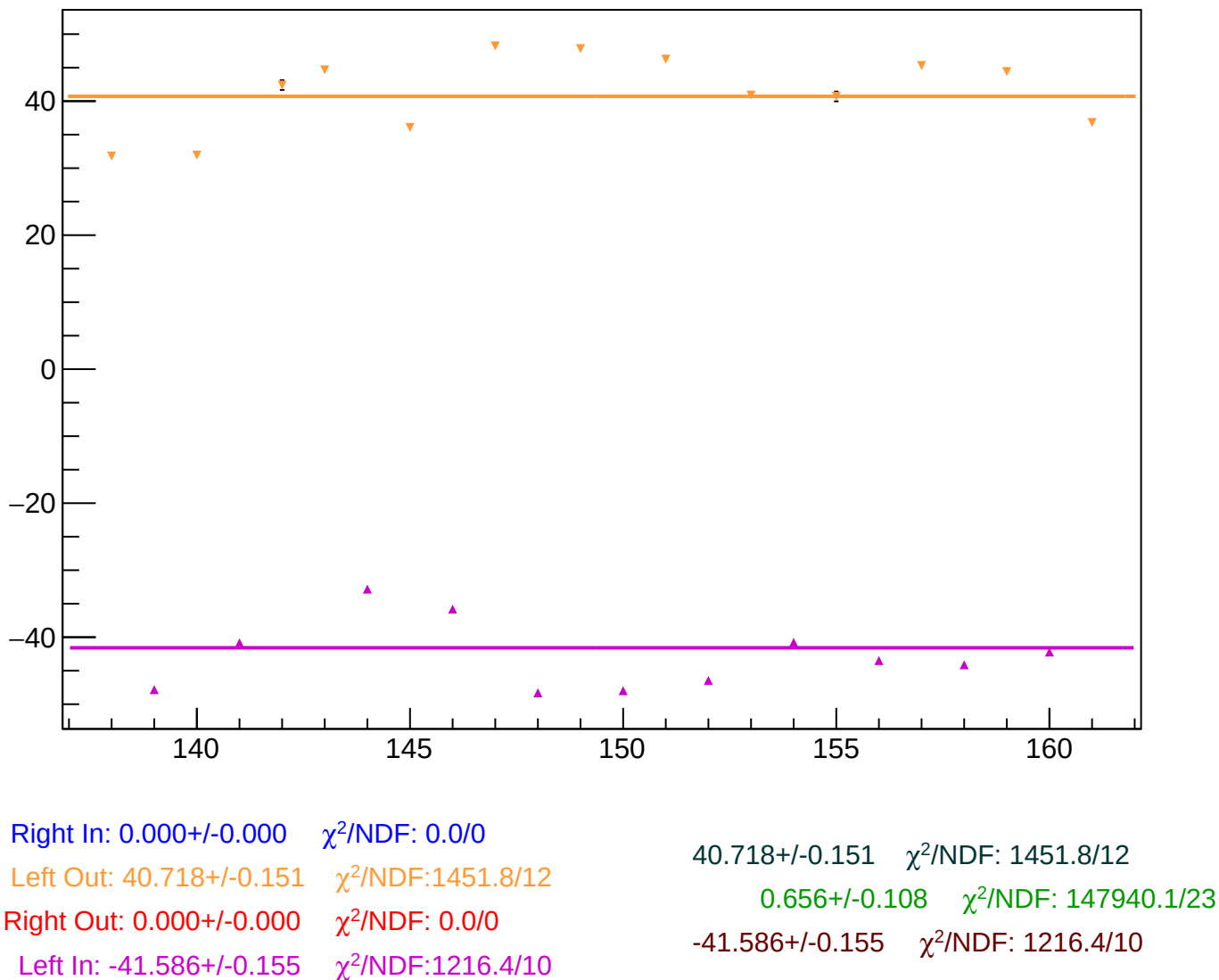
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



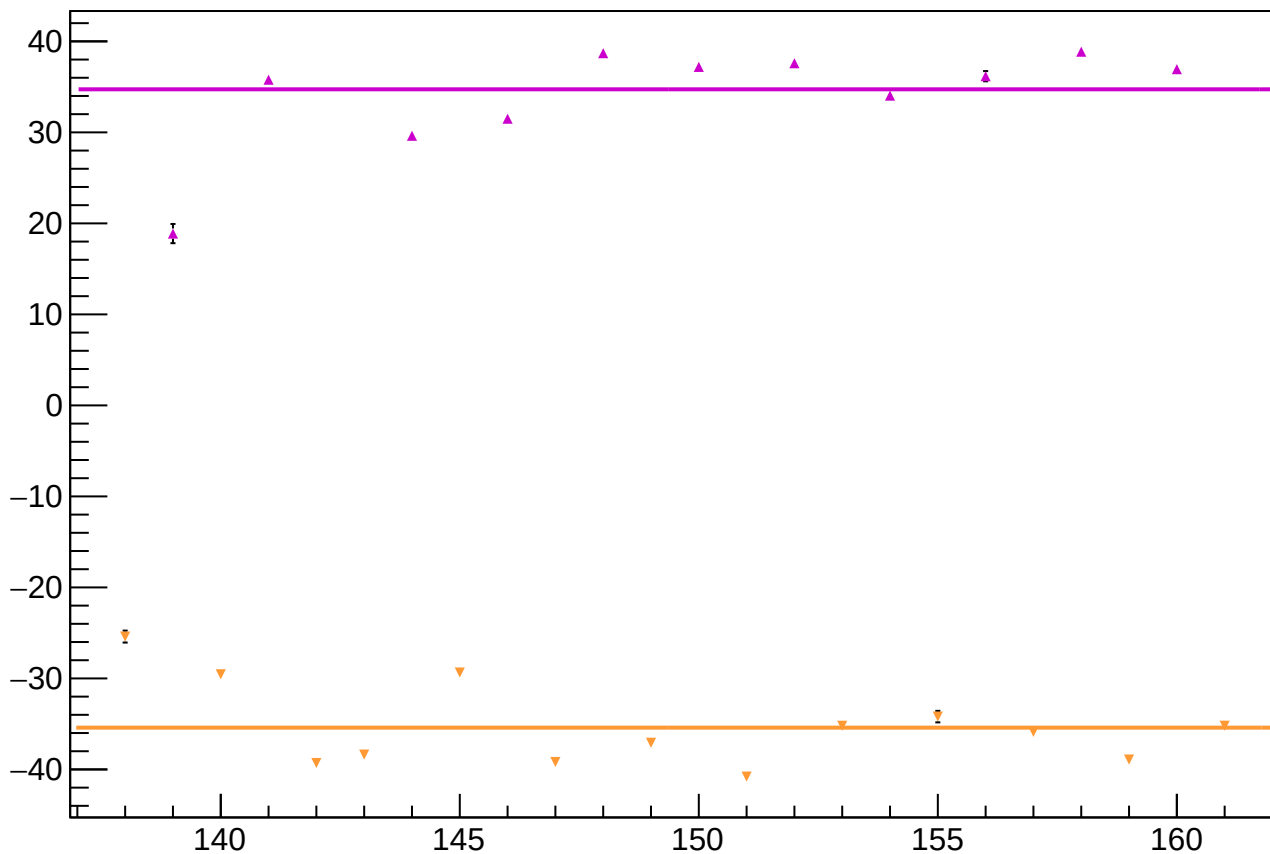
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 4.452 $\pm$ 0.104 χ^2/NDF : 1154.4/12
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -4.928 $\pm$ 0.106 χ^2/NDF : 783.7/10

4.452 $\pm$ 0.104 χ^2/NDF : 1154.4/12
 -0.149 $\pm$ 0.074 χ^2/NDF : 5922.9/23
 -4.928 $\pm$ 0.106 χ^2/NDF : 783.7/10

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -35.409+/-0.124 χ^2/NDF : 1174.7/12

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

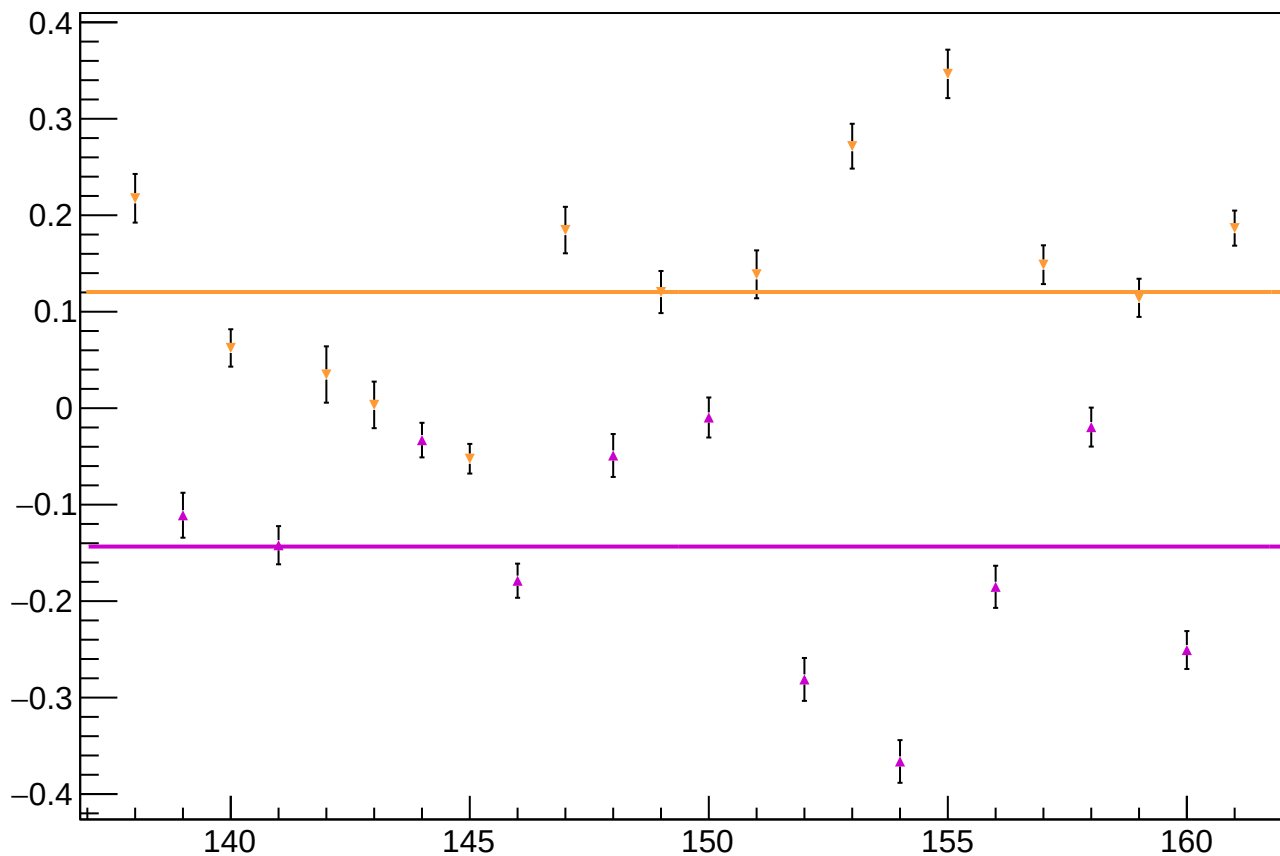
Left In: 34.731+/-0.127 χ^2/NDF : 891.2/10

-35.409+/-0.124 χ^2/NDF : 1174.7/12

-1.232+/-0.089 χ^2/NDF : 157879.4/23

34.731+/-0.127 χ^2/NDF : 891.2/10

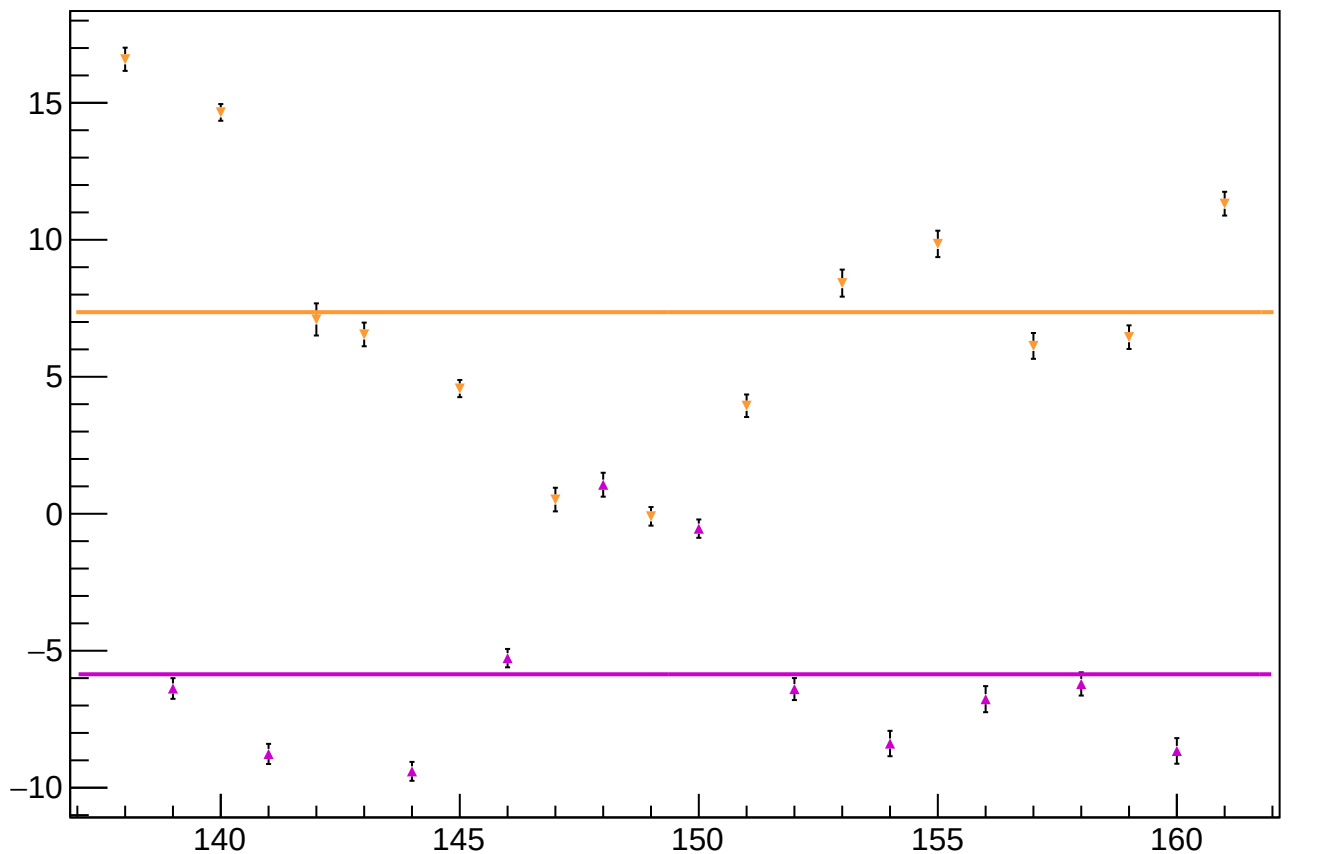
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.120 $\pm$ 0.006 χ^2 /NDF:328.5/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.143 $\pm$ 0.006 χ^2 /NDF:314.3/10

0.120 $\pm$ 0.006 χ^2 /NDF: 328.5/12
 -0.007 $\pm$ 0.004 χ^2 /NDF: 1591.0/23
 -0.143 $\pm$ 0.006 χ^2 /NDF: 314.3/10

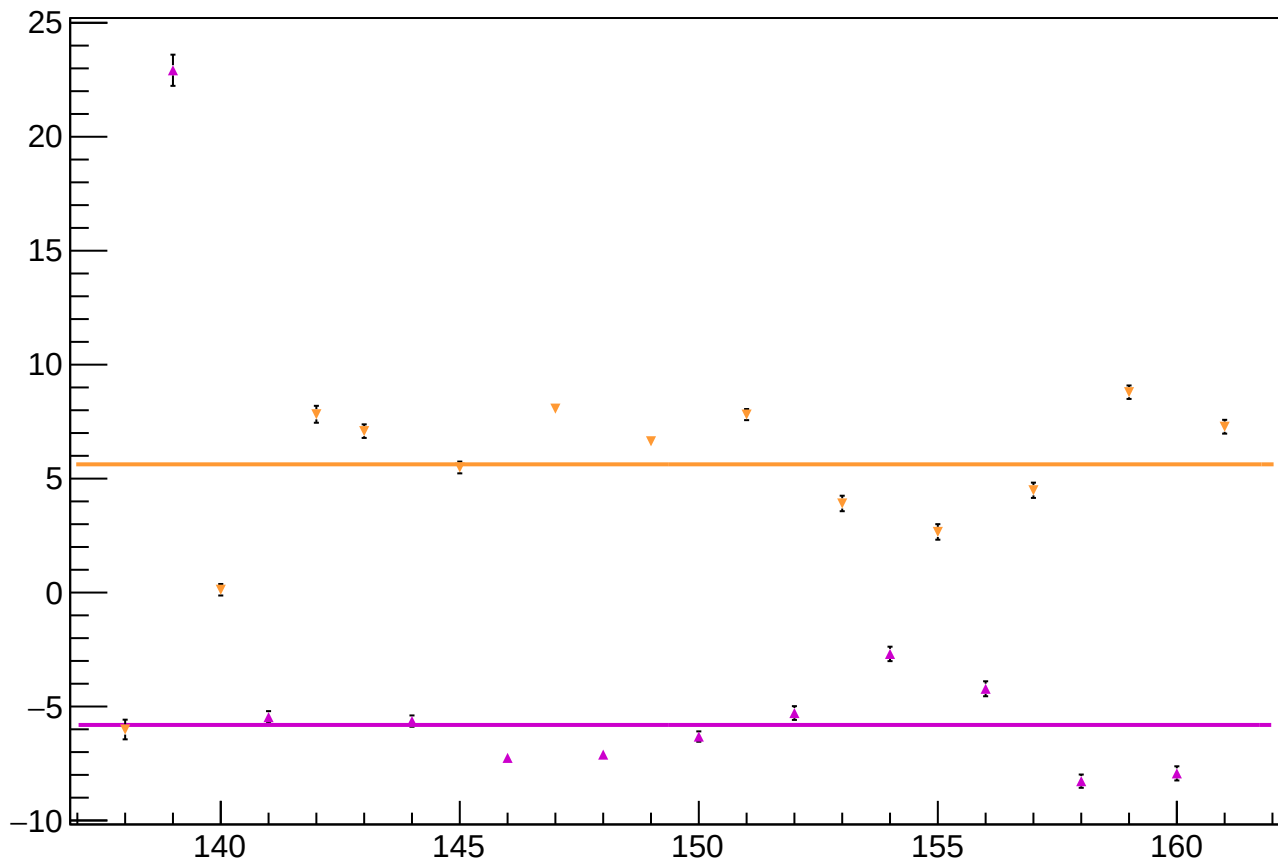
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 7.359 ± 0.113 χ^2/NDF : 2057.6/12
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -5.859 ± 0.118 χ^2/NDF : 747.5/10

7.359 ± 0.113 χ^2/NDF : 2057.6/12
 1.060 ± 0.082 χ^2/NDF : 9326.0/23
 -5.859 ± 0.118 χ^2/NDF : 747.5/10

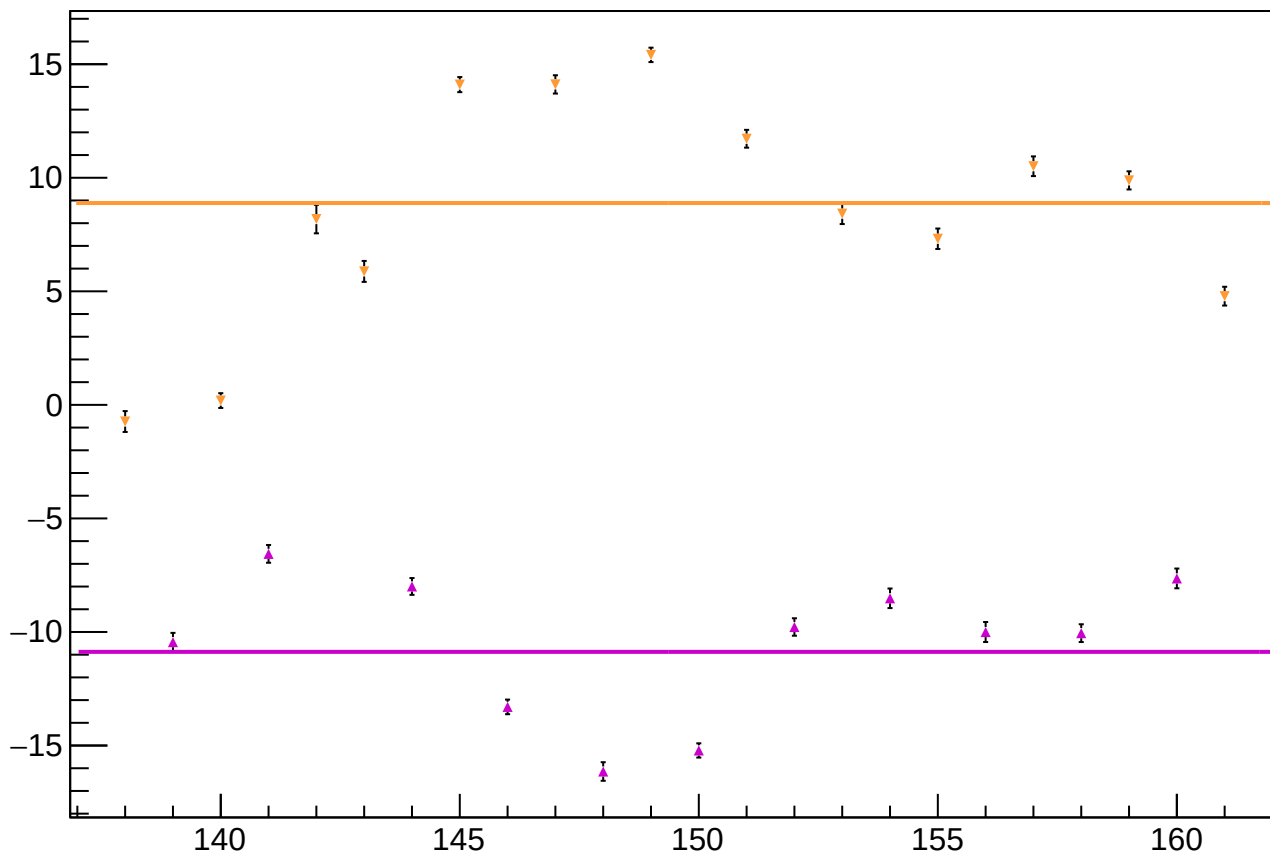
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.627+/-0.078 χ^2/NDF :1757.5/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.809+/-0.082 χ^2/NDF :2092.8/10

5.627+/-0.078 χ^2/NDF : 1757.5/12
 0.200+/-0.057 χ^2/NDF : 14020.5/23
 -5.809+/-0.082 χ^2/NDF : 2092.8/10

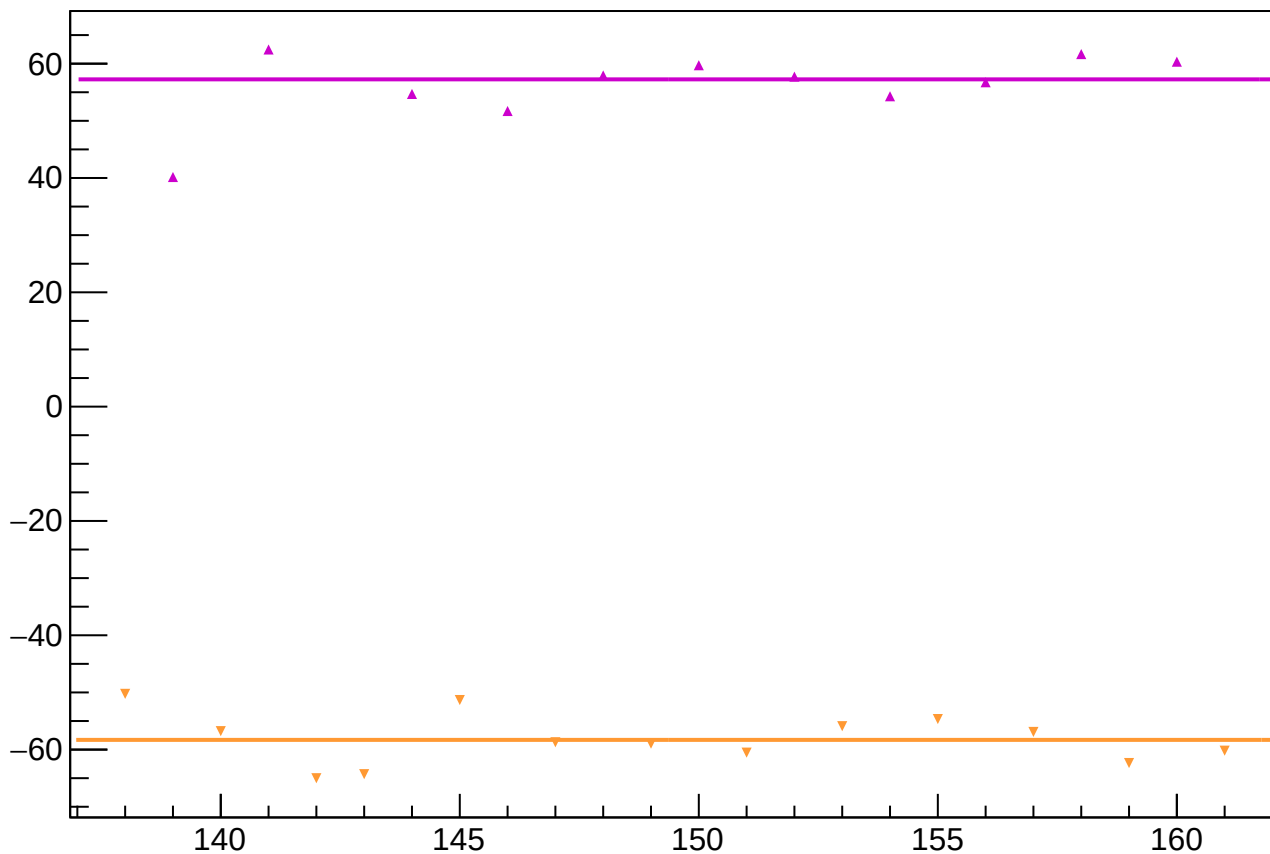
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.888 $\pm$ 0.112 χ^2 /NDF:2219.9/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -10.876 $\pm$ 0.116 χ^2 /NDF:699.4/10

8.888 $\pm$ 0.112 χ^2 /NDF: 2219.9/12
 -0.647 $\pm$ 0.080 χ^2 /NDF: 18043.6/23
 -10.876 $\pm$ 0.116 χ^2 /NDF: 699.4/10

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -58.300+/-0.093 χ^2/NDF :1748.6/12

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

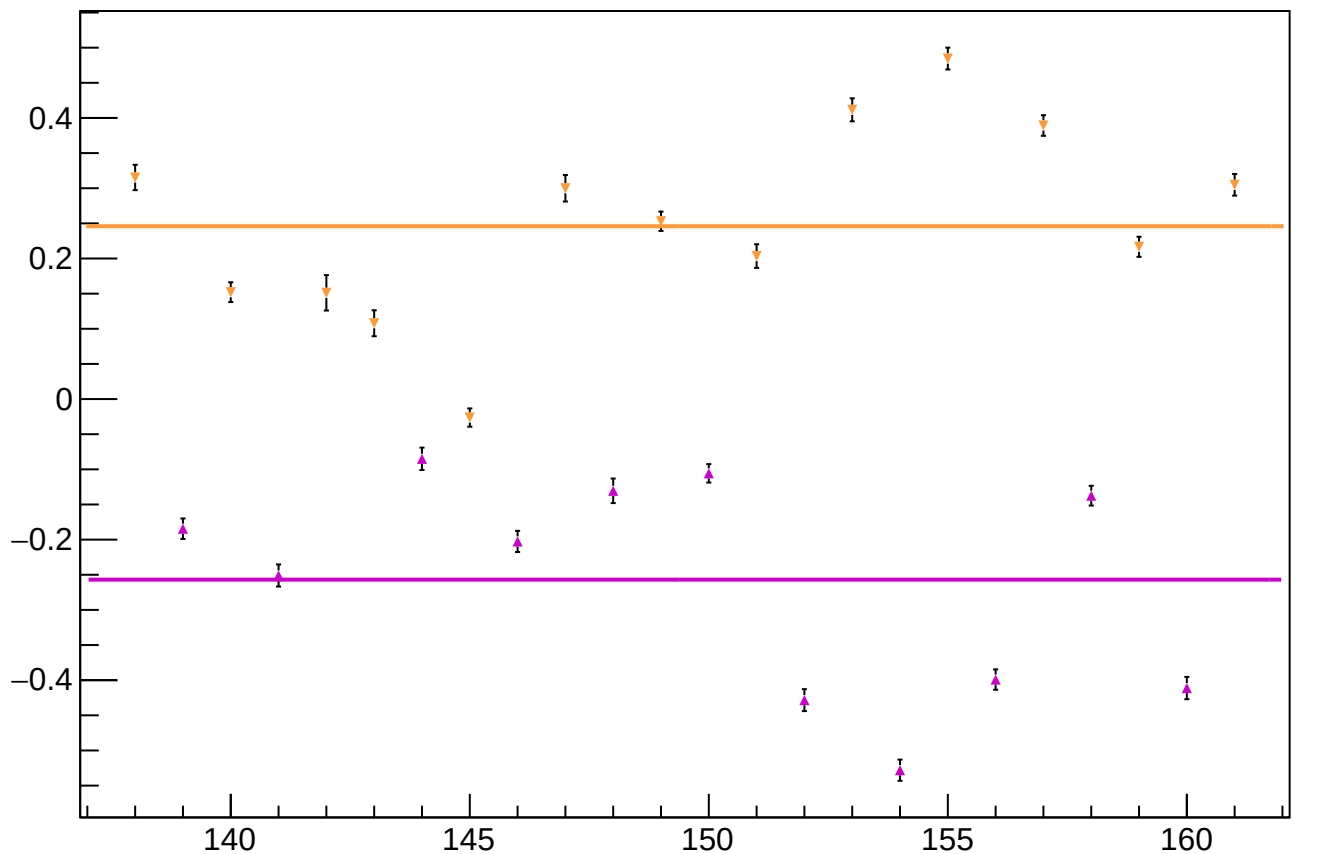
Left In: 57.254+/-0.097 χ^2/NDF :1910.9/10

-58.300+/-0.093 χ^2/NDF : 1748.6/12

-3.204+/-0.067 χ^2/NDF : 742428.9/23

57.254+/-0.097 χ^2/NDF : 1910.9/10

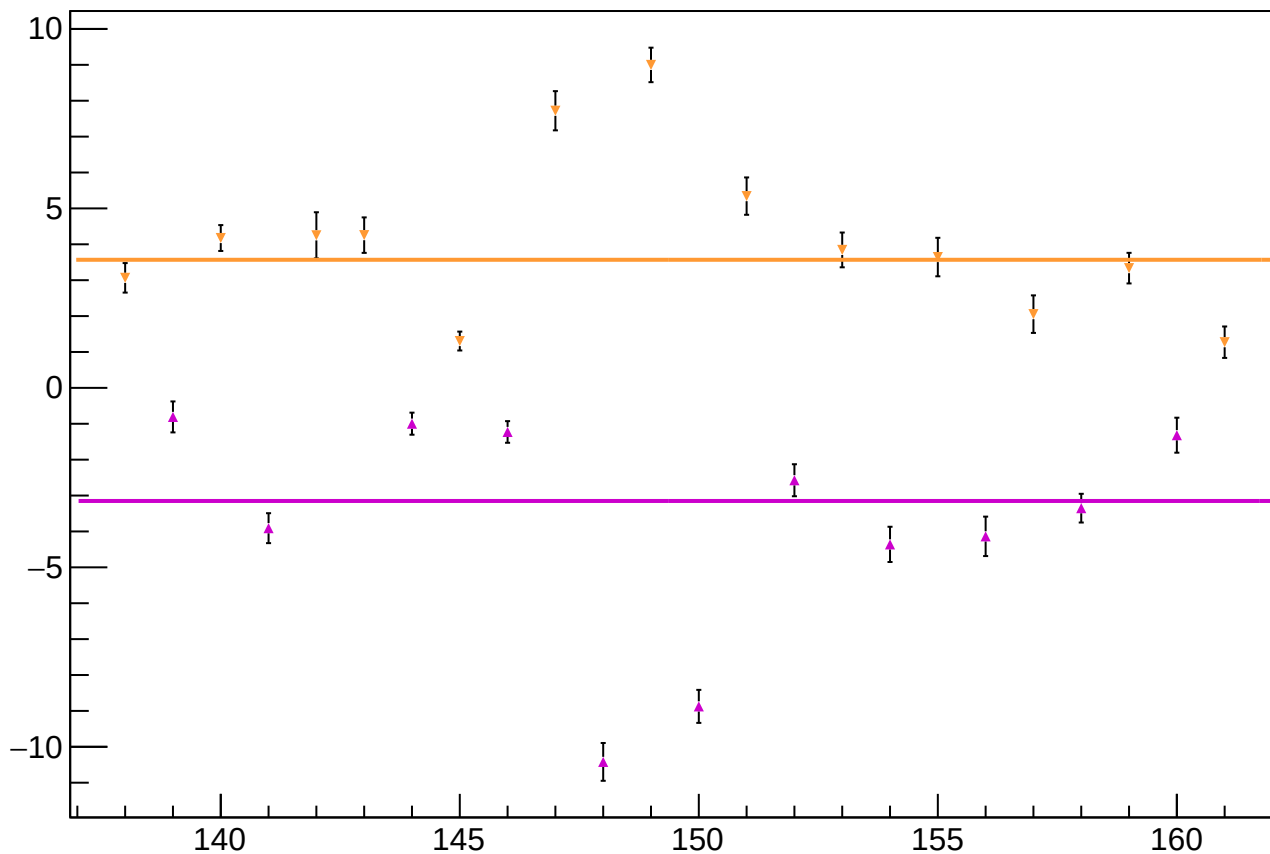
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.246 $\pm$ 0.004 χ^2 /NDF:1035.0/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.257 $\pm$ 0.005 χ^2 /NDF:1046.2/10

0.246 $\pm$ 0.004 χ^2 /NDF: 1035.0/12
 0.003 $\pm$ 0.003 χ^2 /NDF: 8414.3/23
 -0.257 $\pm$ 0.005 χ^2 /NDF: 1046.2/10

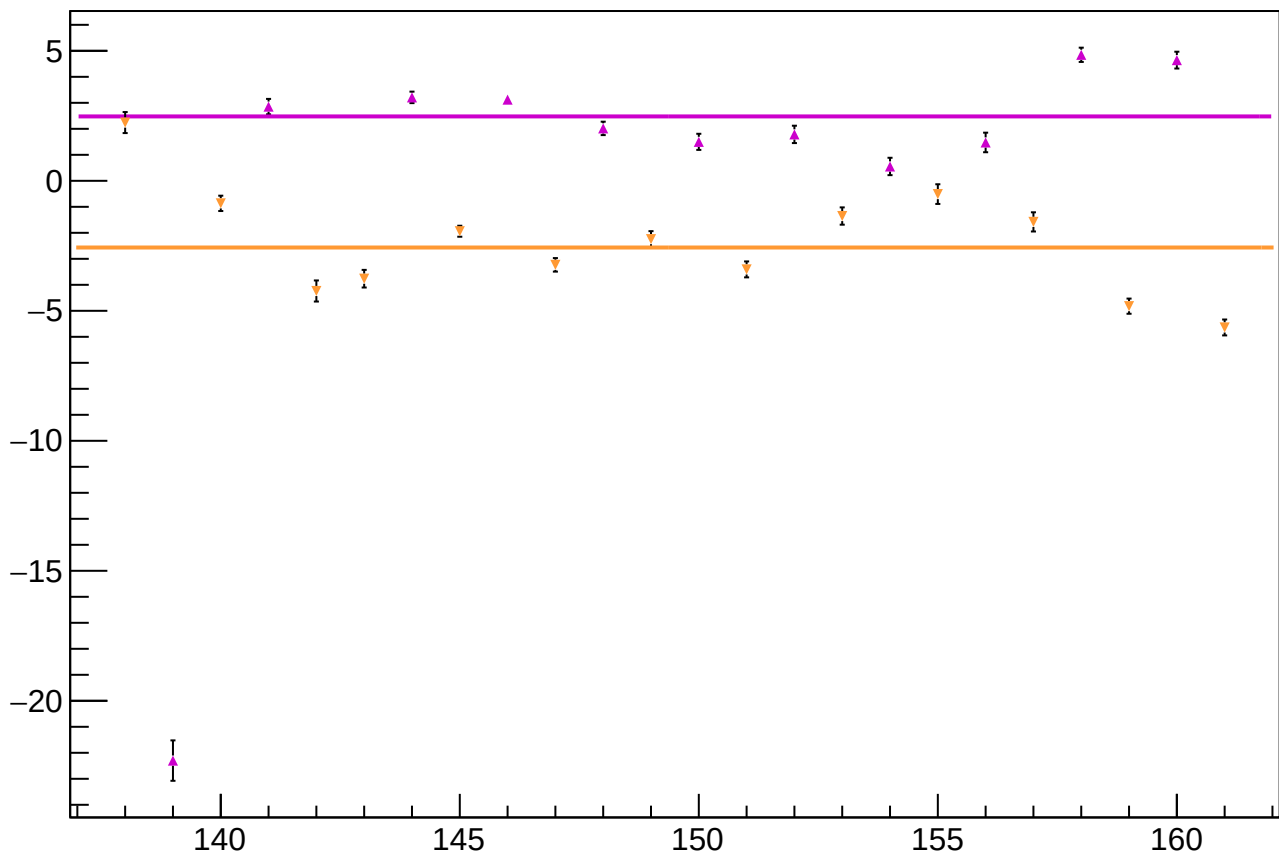
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.569 $\pm$ 0.121 χ^2 /NDF: 315.0/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.151 $\pm$ 0.125 χ^2 /NDF: 493.2/10

3.569 $\pm$ 0.121 χ^2 /NDF: 315.0/12
 0.313 $\pm$ 0.087 χ^2 /NDF: 2297.5/23
 -3.151 $\pm$ 0.125 χ^2 /NDF: 493.2/10

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000±/0.000 χ^2/NDF : 0.0/0

Left Out: -2.565±/0.086 χ^2/NDF :438.9/12

Right Out: 0.000±/0.000 χ^2/NDF : 0.0/0

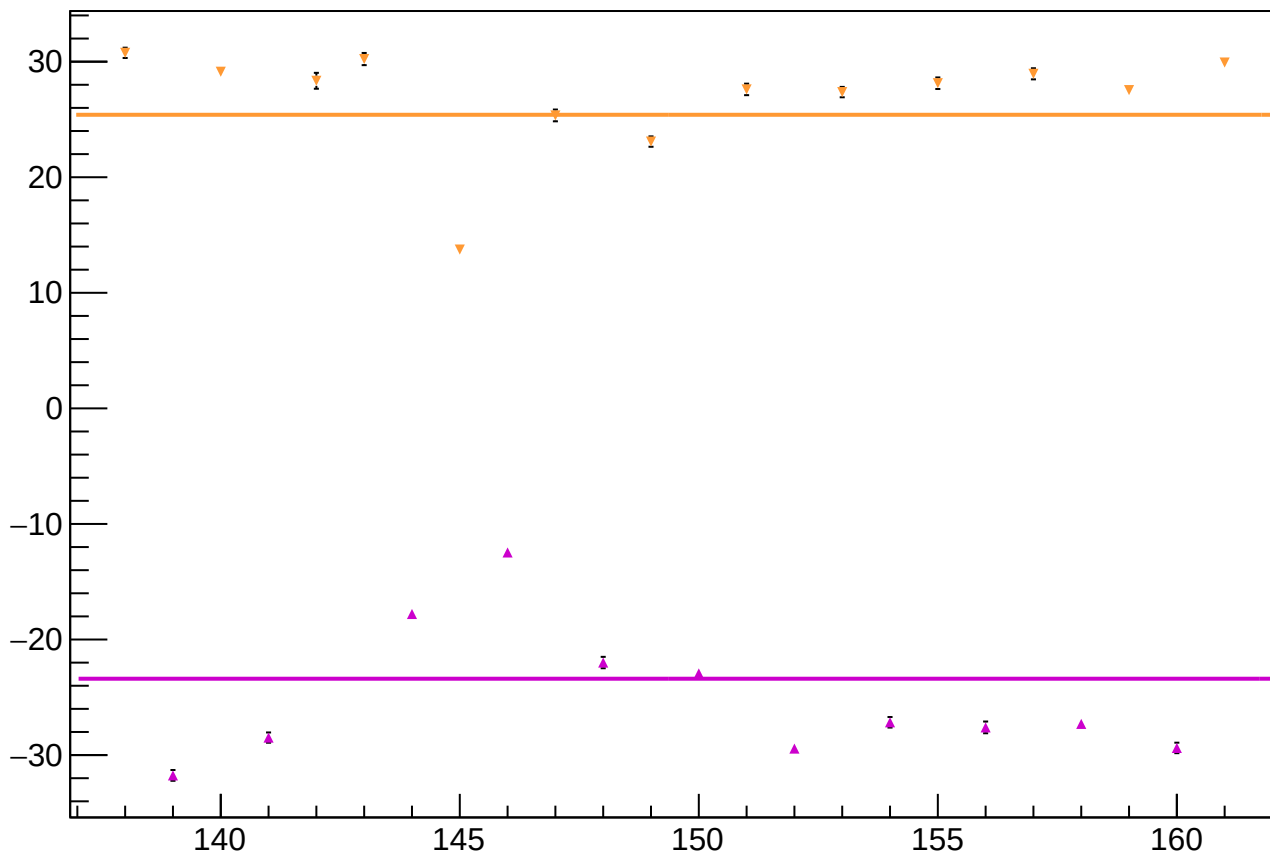
Left In: 2.477±/0.087 χ^2/NDF :1217.3/10

-2.565±/0.086 χ^2/NDF : 438.9/12

-0.073±/0.061 χ^2/NDF : 3372.0/23

2.477±/0.087 χ^2/NDF : 1217.3/10

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 25.404+/-0.121 χ^2/NDF : 2366.3/12

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

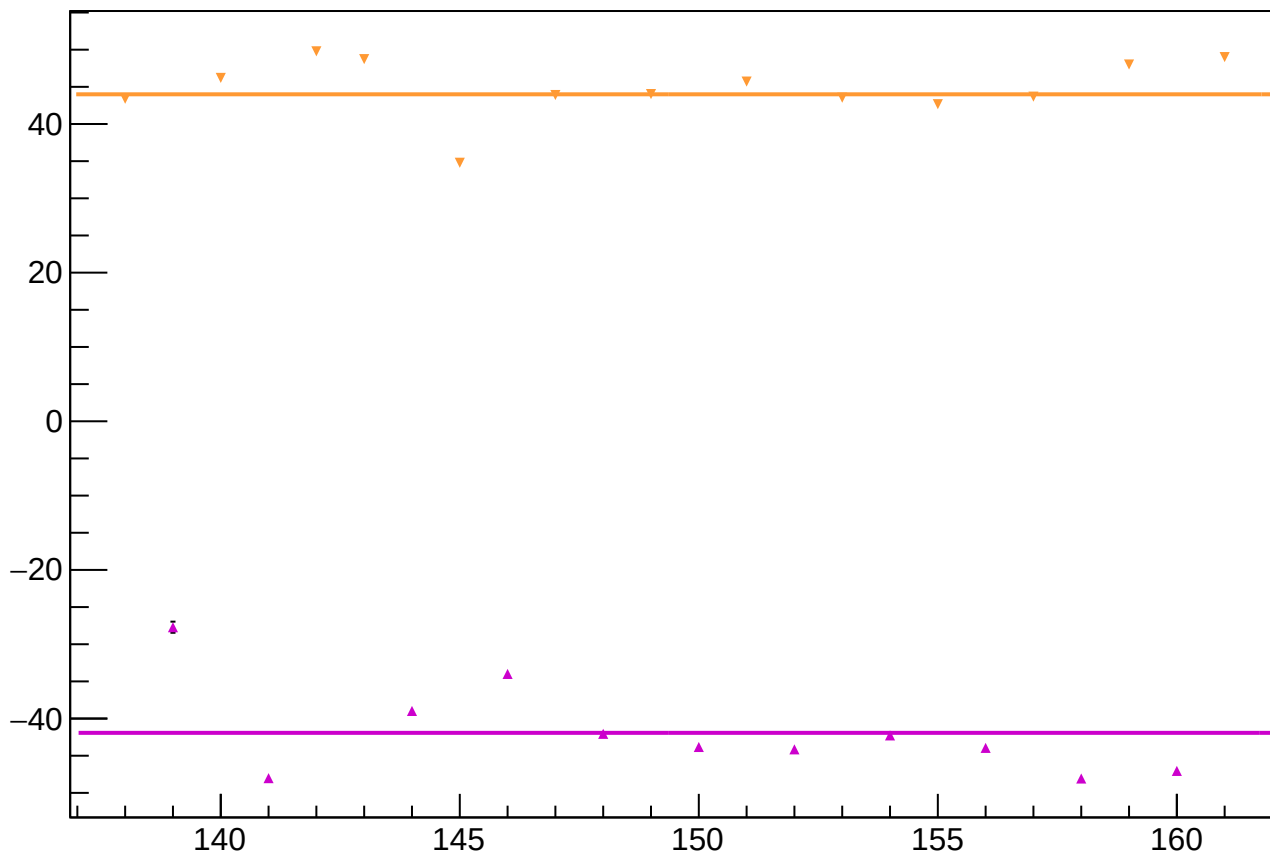
Left In: -23.392+/-0.123 χ^2/NDF : 2793.4/10

25.404+/-0.121 χ^2/NDF : 2366.3/12

1.338+/-0.086 χ^2/NDF : 85550.1/23

-23.392+/-0.123 χ^2/NDF : 2793.4/10

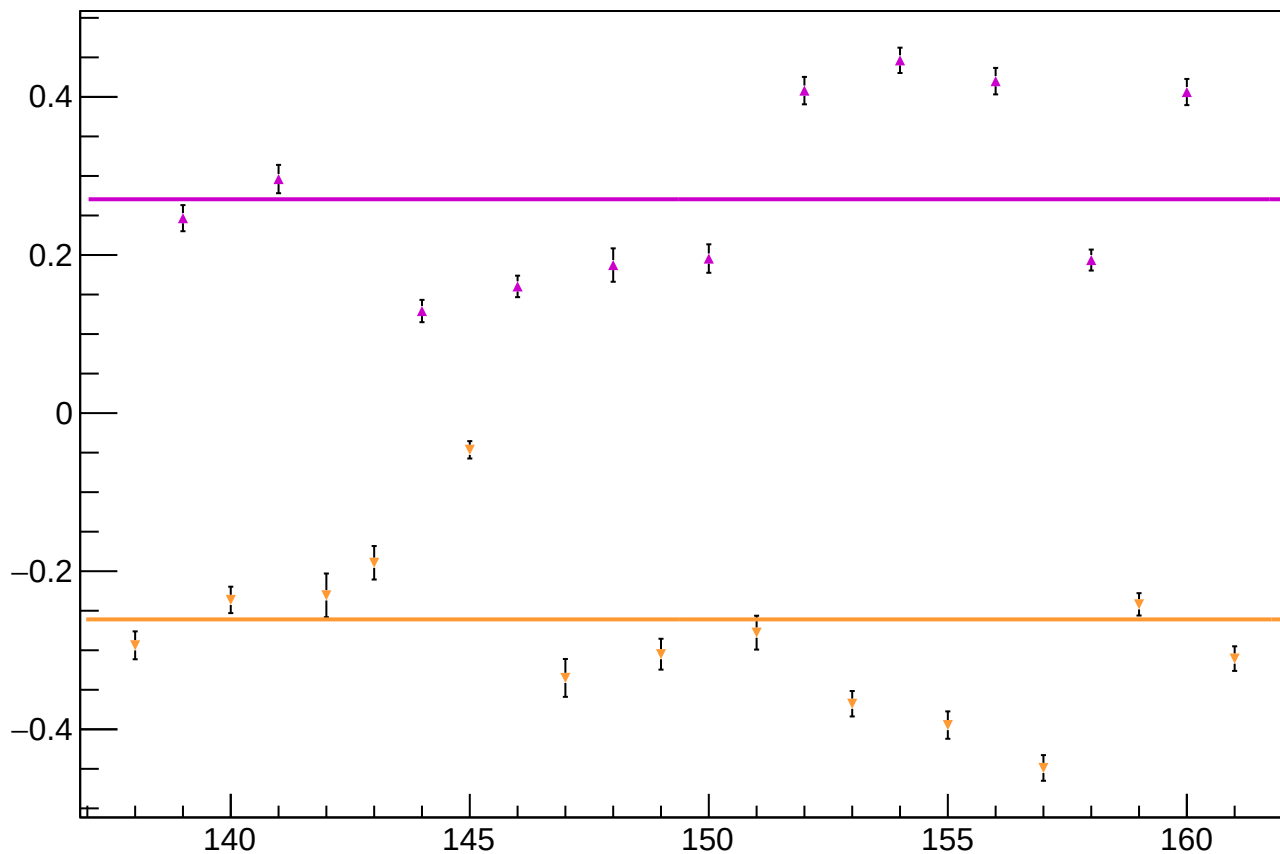
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 43.996 ± 0.101 χ^2/NDF : 2173.8/12
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -41.922 ± 0.102 χ^2/NDF : 2610.6/10

43.996 ± 0.101 χ^2/NDF : 2173.8/12
 1.721 ± 0.072 χ^2/NDF : 363305.2/23
 -41.922 ± 0.102 χ^2/NDF : 2610.6/10

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.261+/-0.005 χ^2/NDF : 664.2/12

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

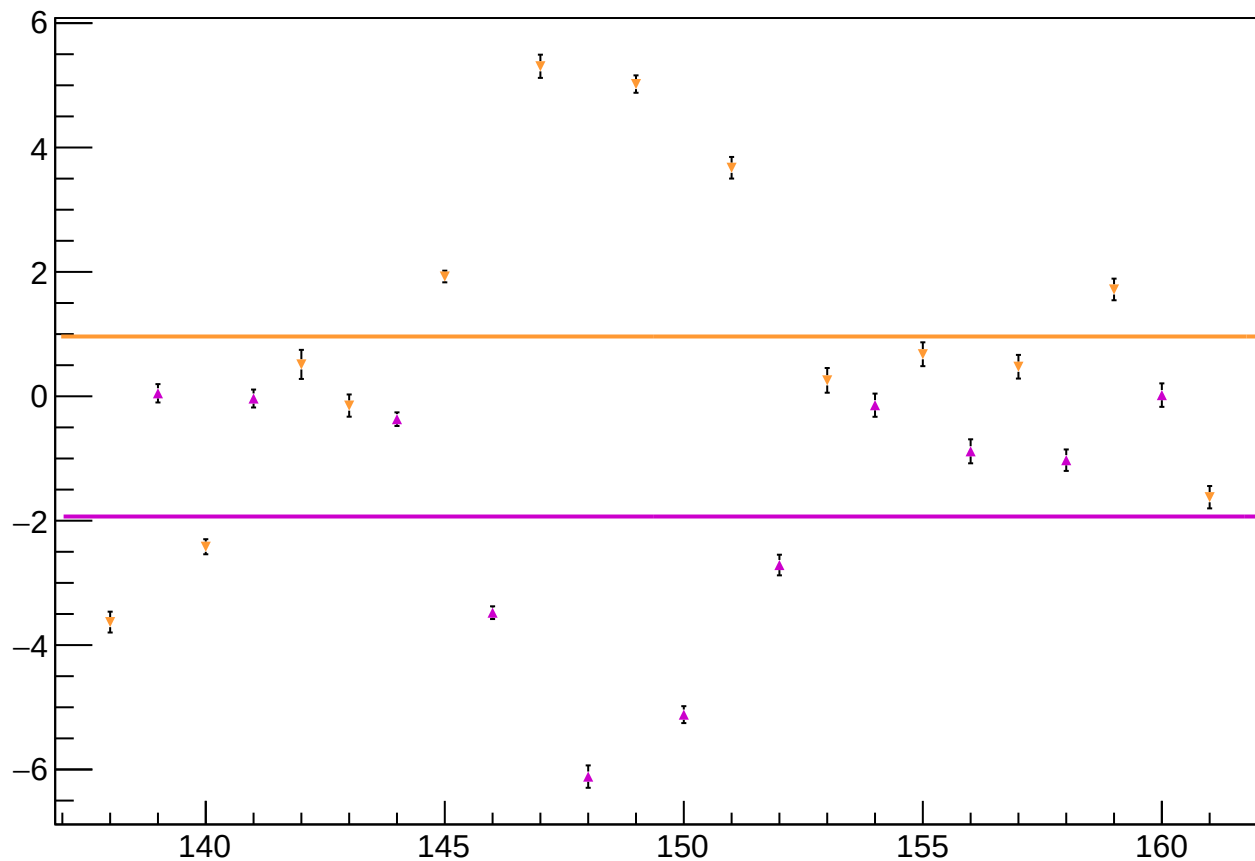
Left In: 0.271+/-0.005 χ^2/NDF : 566.7/10

-0.261+/-0.005 χ^2/NDF : 664.2/12

-0.003+/-0.003 χ^2/NDF : 7435.5/23

0.271+/-0.005 χ^2/NDF : 566.7/10

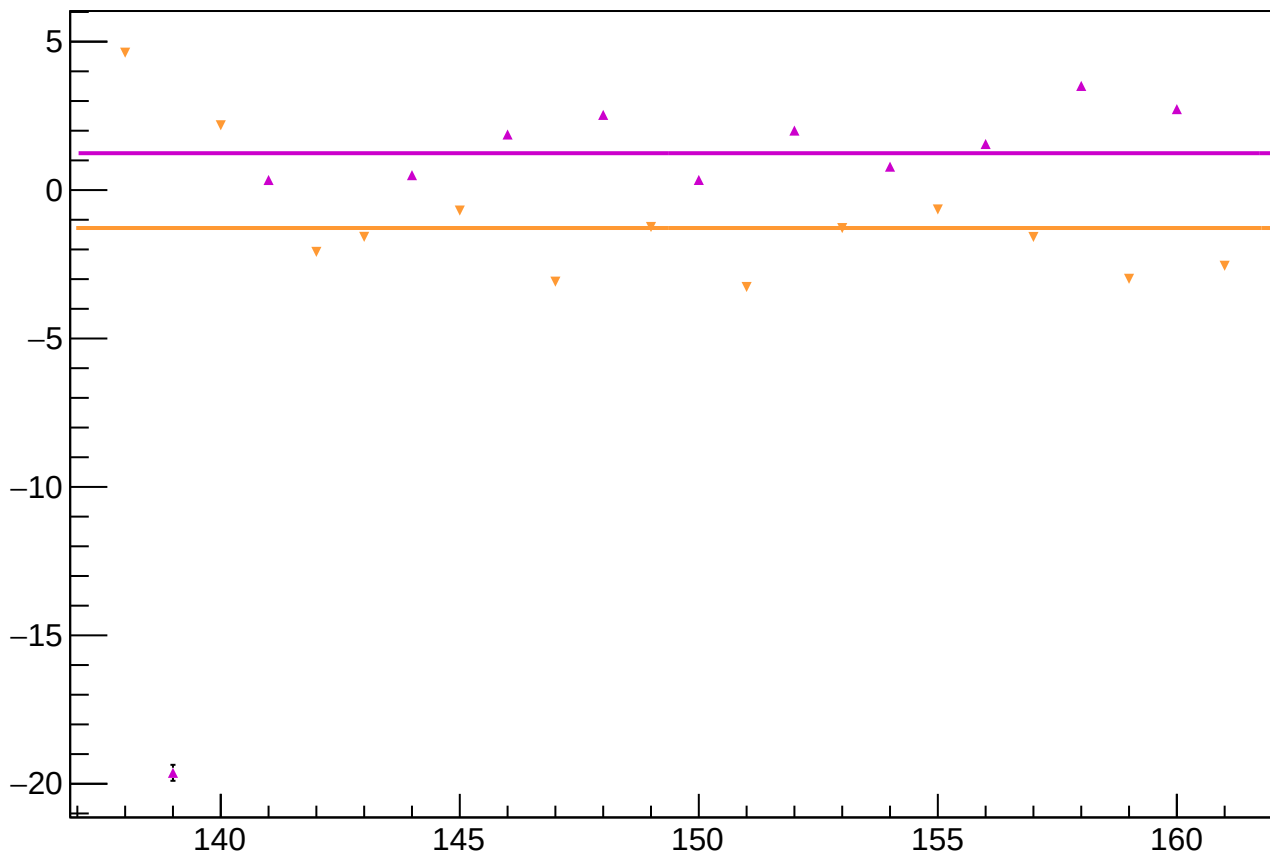
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.961 $\pm$ 0.044 χ^2 /NDF: 3551.4/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.933 $\pm$ 0.044 χ^2 /NDF: 2153.3/10

0.961 $\pm$ 0.044 χ^2 /NDF: 3551.4/12
 -0.469 $\pm$ 0.031 χ^2 /NDF: 7872.8/23
 -1.933 $\pm$ 0.044 χ^2 /NDF: 2153.3/10

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -1.278 $\pm$ 0.031 χ^2 /NDF:3624.9/12

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

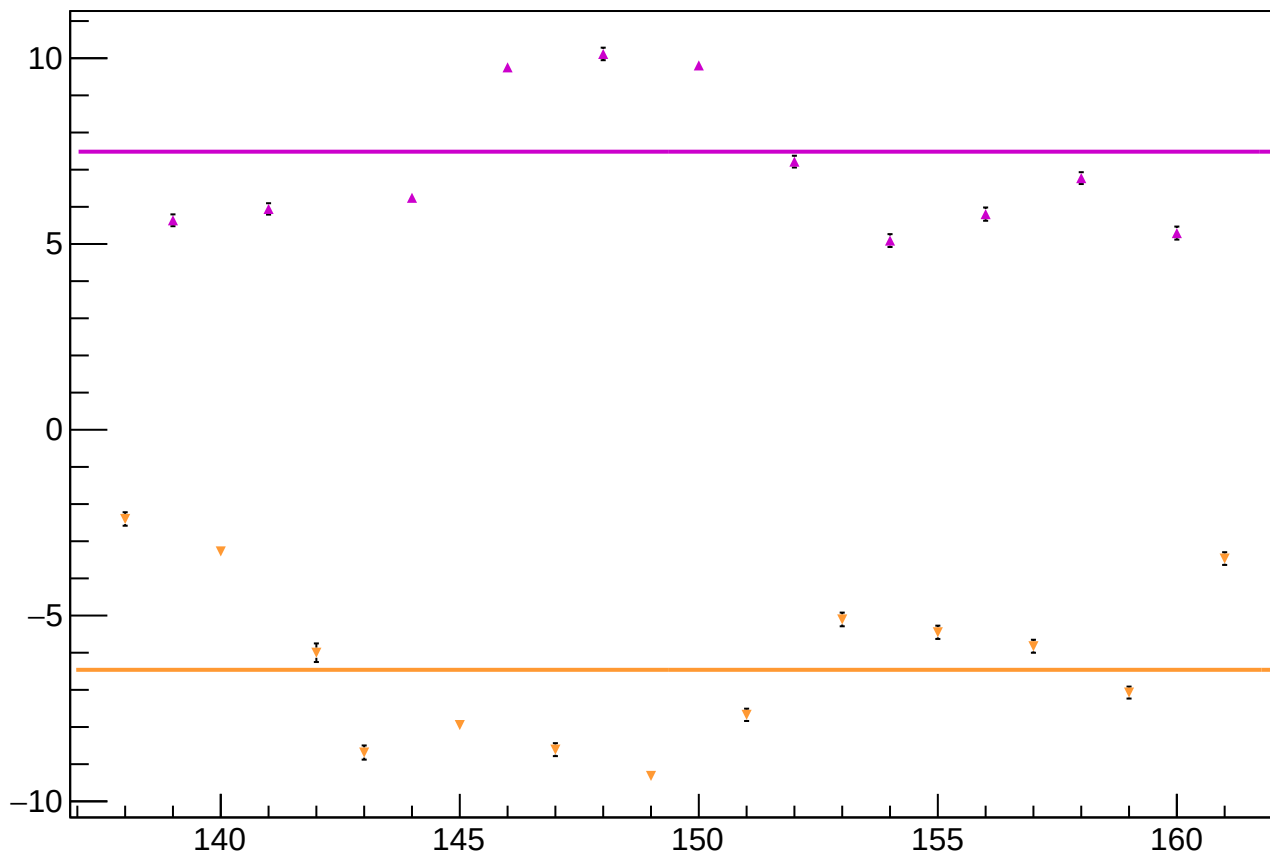
Left In: 1.242 $\pm$ 0.031 χ^2 /NDF:7143.3/10

-1.278 $\pm$ 0.031 χ^2 /NDF: 3624.9/12

-0.017 $\pm$ 0.022 χ^2 /NDF: 14121.2/23

1.242 $\pm$ 0.031 χ^2 /NDF: 7143.3/10

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -6.461+/-0.044 χ^2/NDF : 2572.3/12

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

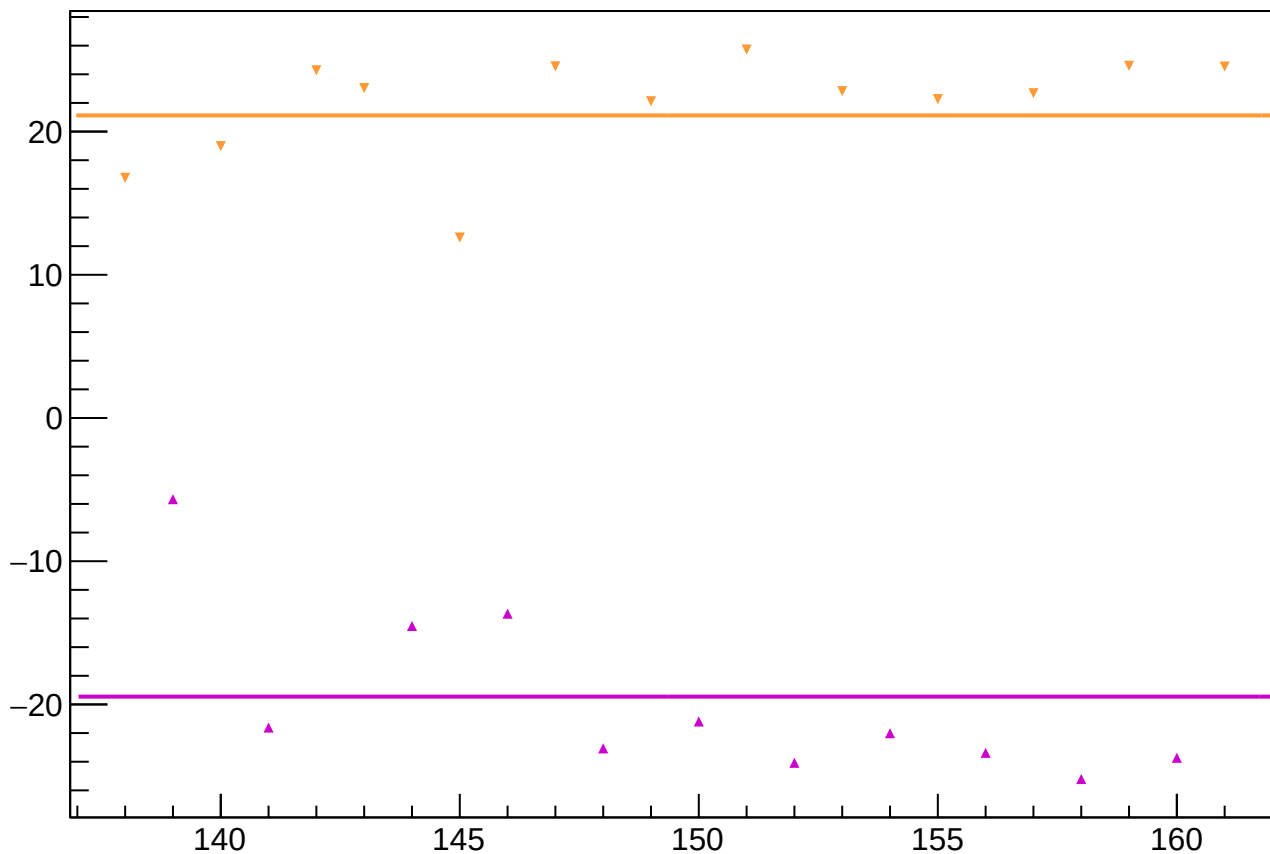
Left In: 7.484+/-0.043 χ^2/NDF : 1912.1/10

-6.461+/-0.044 χ^2/NDF : 2572.3/12

0.528+/-0.031 χ^2/NDF : 55960.7/23

7.484+/-0.043 χ^2/NDF : 1912.1/10

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 21.127+/-0.036 χ^2/NDF :14404.7/12

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

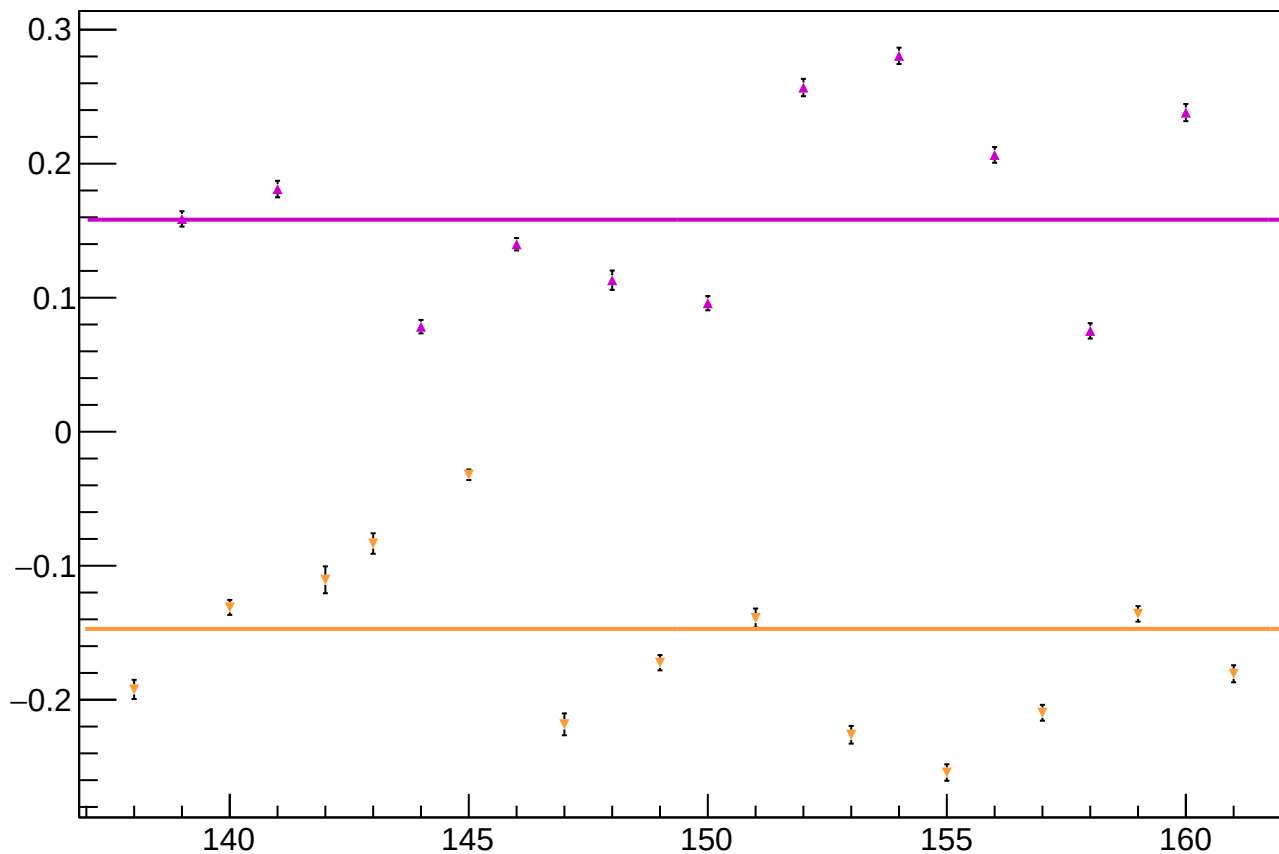
Left In: -19.456+/-0.036 χ^2/NDF :17074.2/10

21.127+/-0.036 χ^2/NDF : 14404.7/12

0.873+/-0.026 χ^2/NDF : 650836.2/23

-19.456+/-0.036 χ^2/NDF : 17074.2/10

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.147+/-0.002 χ^2/NDF :1682.9/12

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

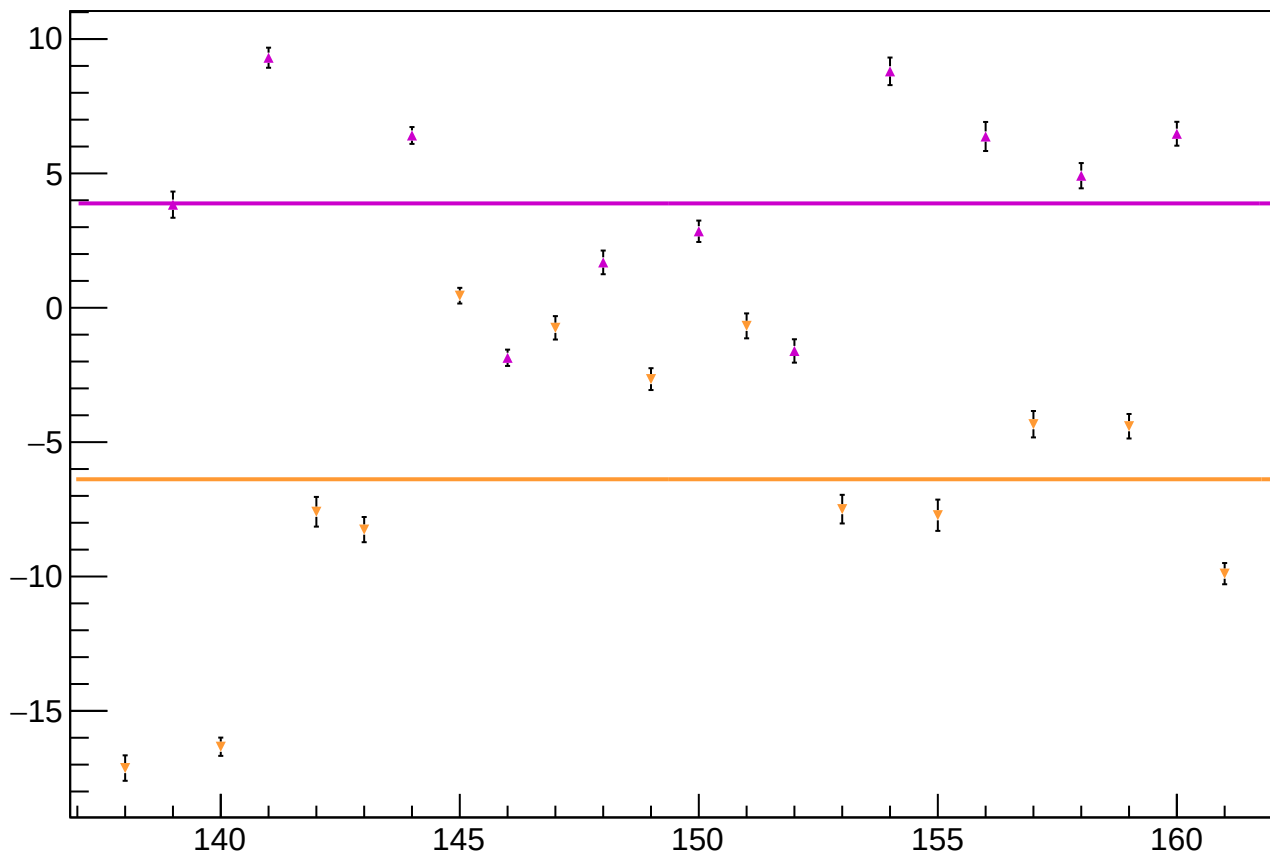
Left In: 0.158+/-0.002 χ^2/NDF :1528.3/10

-0.147+/-0.002 χ^2/NDF : 1682.9/12

0.003+/-0.001 χ^2/NDF : 18923.2/23

0.158+/-0.002 χ^2/NDF : 1528.3/10

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.381+/-0.119 χ^2/NDF : 2467.6/12

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

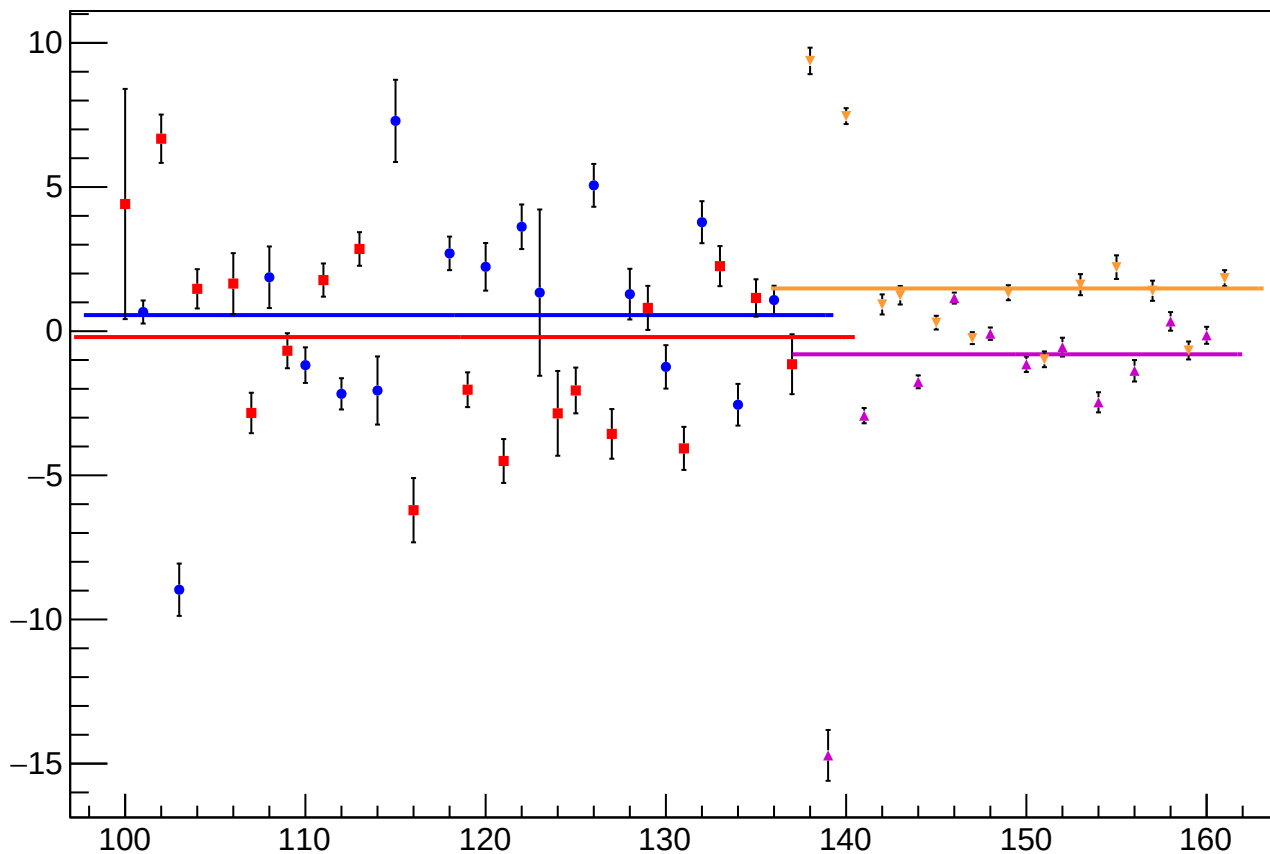
Left In: 3.884+/-0.123 χ^2/NDF : 976.5/10

-6.381+/-0.119 χ^2/NDF : 2467.6/12

-1.419+/-0.086 χ^2/NDF : 7033.6/23

3.884+/-0.123 χ^2/NDF : 976.5/10

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 $\pm$ 0.170 χ^2/NDF : 287.9/16

Left Out: 1.483 $\pm$ 0.082 χ^2/NDF : 994.0/12

Right Out: -0.204 $\pm$ 0.175 χ^2/NDF : 272.1/18

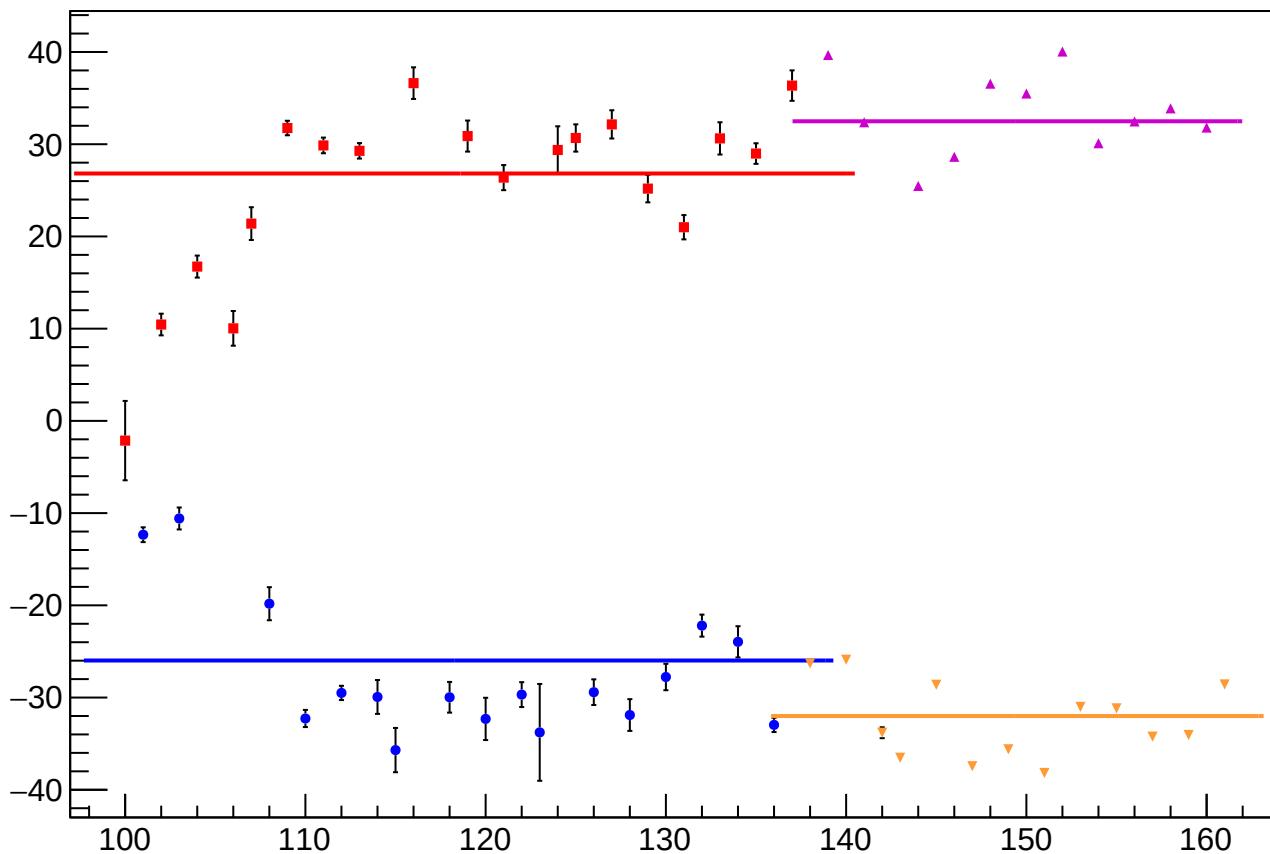
Left In: -0.802 $\pm$ 0.083 χ^2/NDF : 492.1/10

1.309 $\pm$ 0.074 χ^2/NDF : 1305.9/29

0.329 $\pm$ 0.053 χ^2/NDF : 2440.9/59

-0.691 $\pm$ 0.075 χ^2/NDF : 773.7/29

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: -32.006 ± 0.118 χ^2/NDF : 1218.3/12

Right Out: 26.825 ± 0.298 χ^2/NDF : 581.6/18

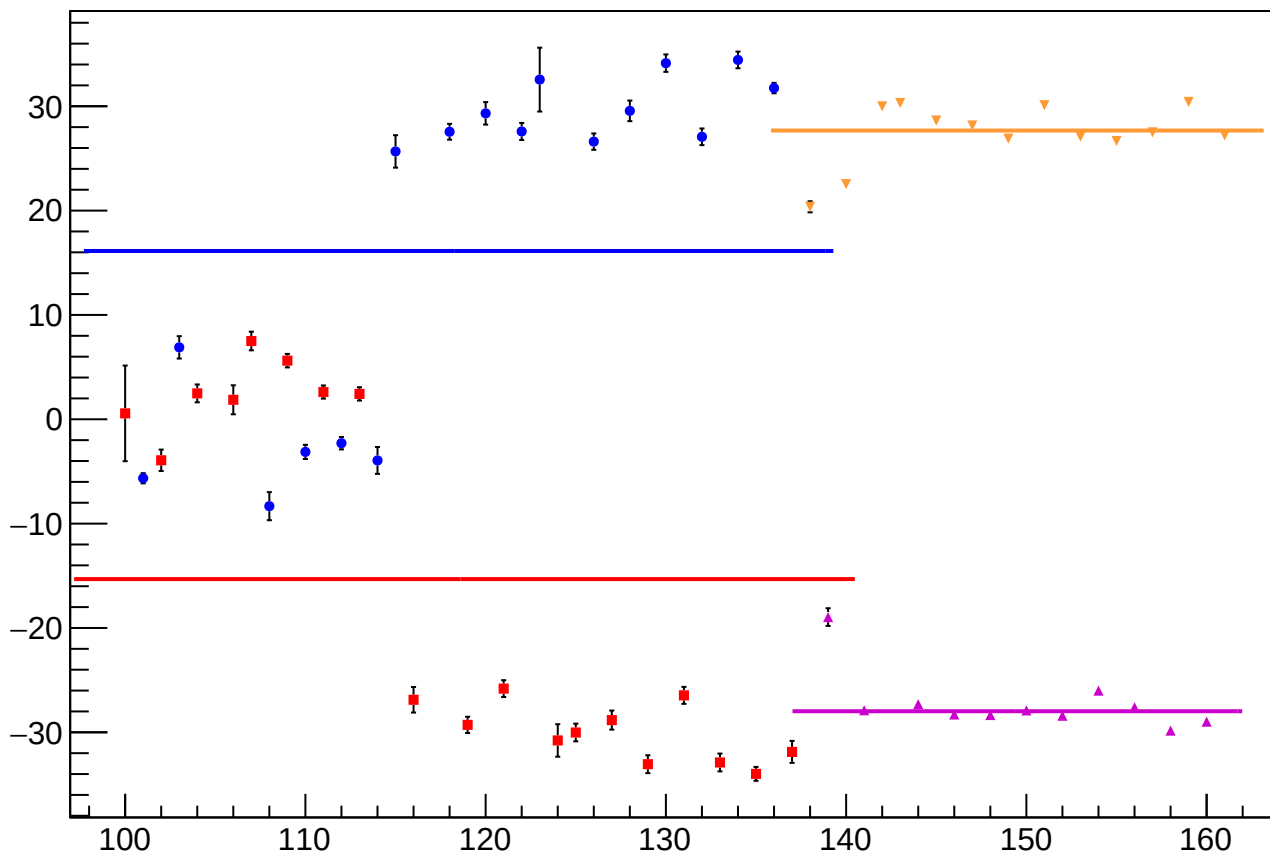
Left In: 32.487 ± 0.120 χ^2/NDF : 1326.8/10

-31.201 ± 0.110 χ^2/NDF : 2257.8/29

-0.258 ± 0.078 χ^2/NDF : 165658.4/59

31.690 ± 0.112 χ^2/NDF : 2219.3/29

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: 27.673 ± 0.097 χ^2/NDF : 650.9/12

Right Out: -15.315 ± 0.197 χ^2/NDF : 7278.1/18

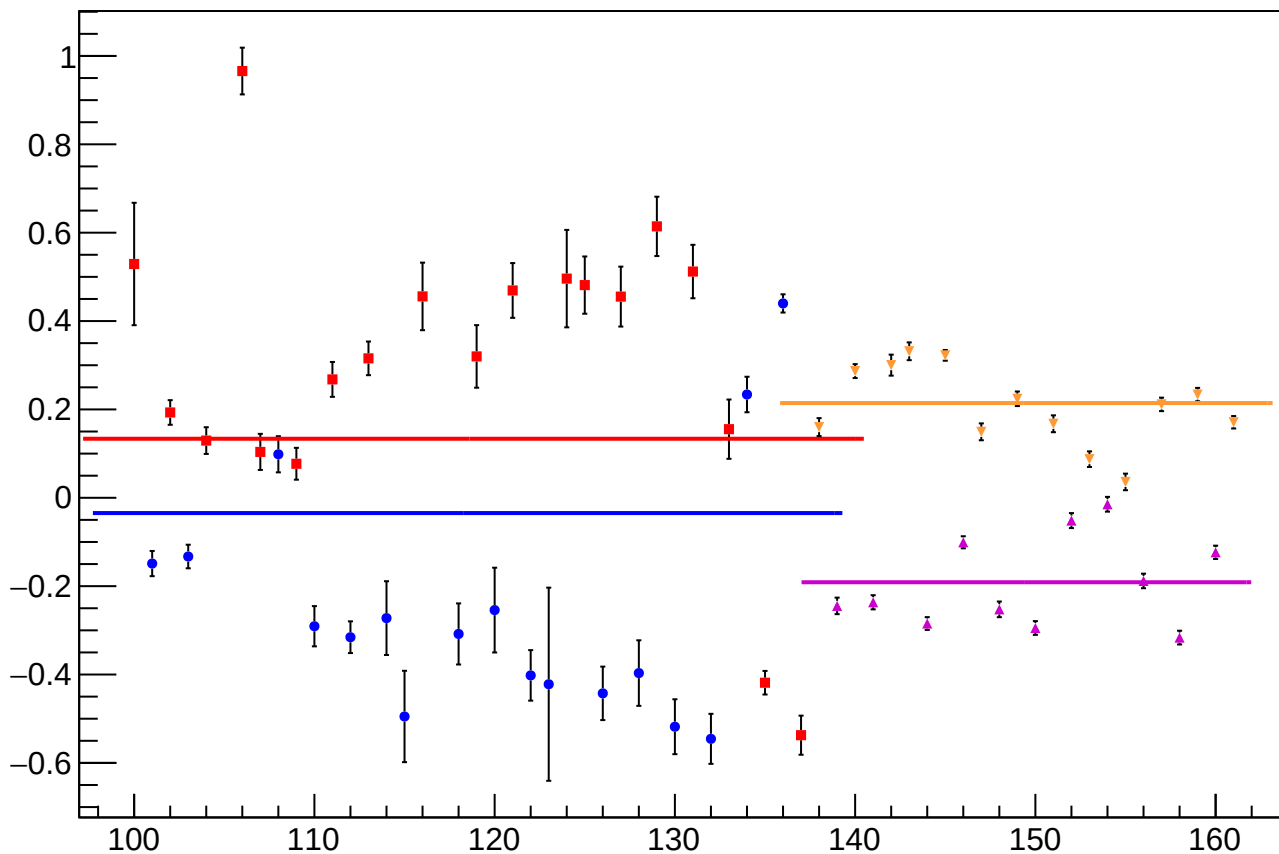
Left In: -27.980 ± 0.099 χ^2/NDF : 188.4/10

25.316 ± 0.087 χ^2/NDF : 11098.8/29

0.531 ± 0.062 χ^2/NDF : 188781.7/59

-25.408 ± 0.089 χ^2/NDF : 10759.4/29

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 $\chi^2/\text{NDF}: 1011.6/16$

Left Out: 0.214 ± 0.005 $\chi^2/\text{NDF}: 325.6/12$

Right Out: 0.134 ± 0.010 $\chi^2/\text{NDF}: 1161.9/18$

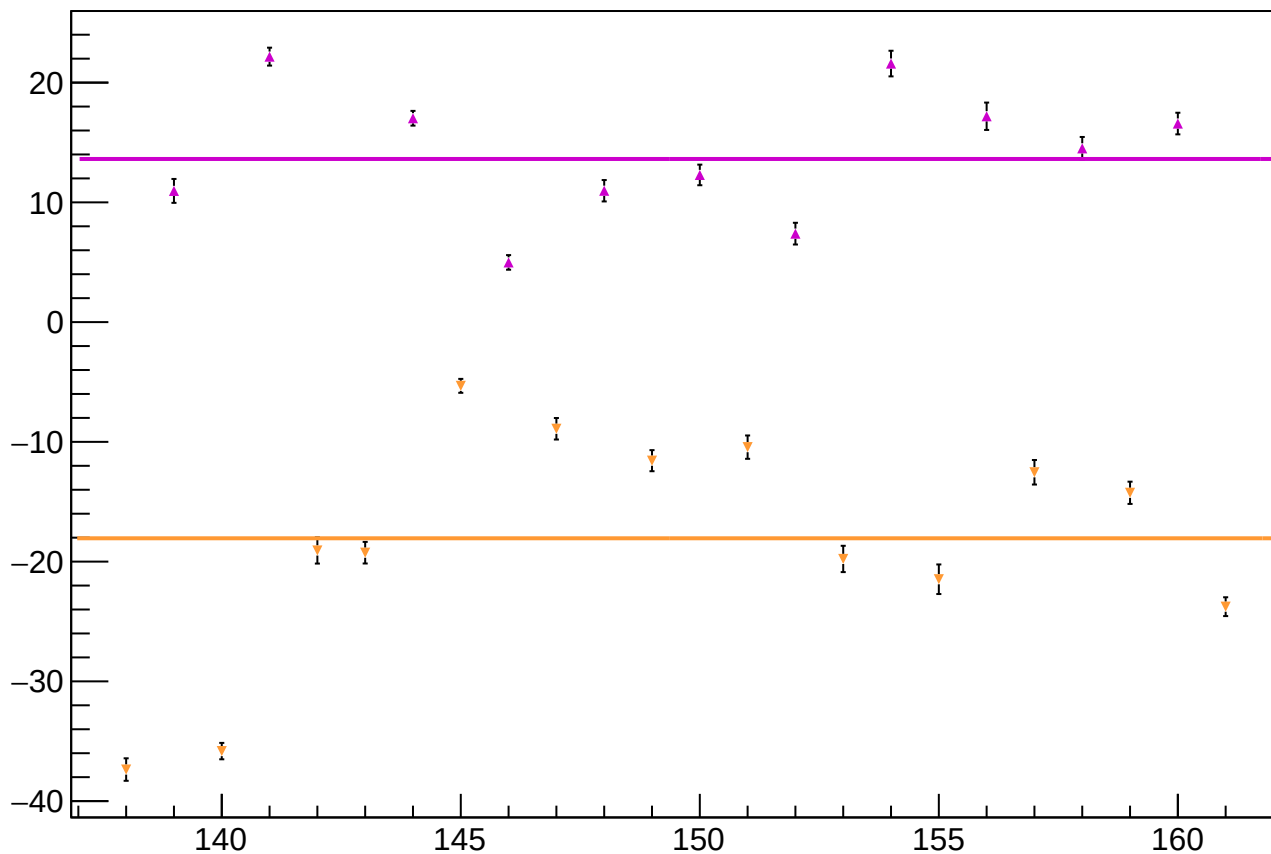
Left In: -0.191 ± 0.005 $\chi^2/\text{NDF}: 421.4/10$

0.173 ± 0.004 $\chi^2/\text{NDF}: 1820.3/29$

0.024 ± 0.003 $\chi^2/\text{NDF}: 6753.1/59$

-0.134 ± 0.004 $\chi^2/\text{NDF}: 2390.5/29$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.053 $\pm$ 0.242 χ^2 /NDF:1905.6/12

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

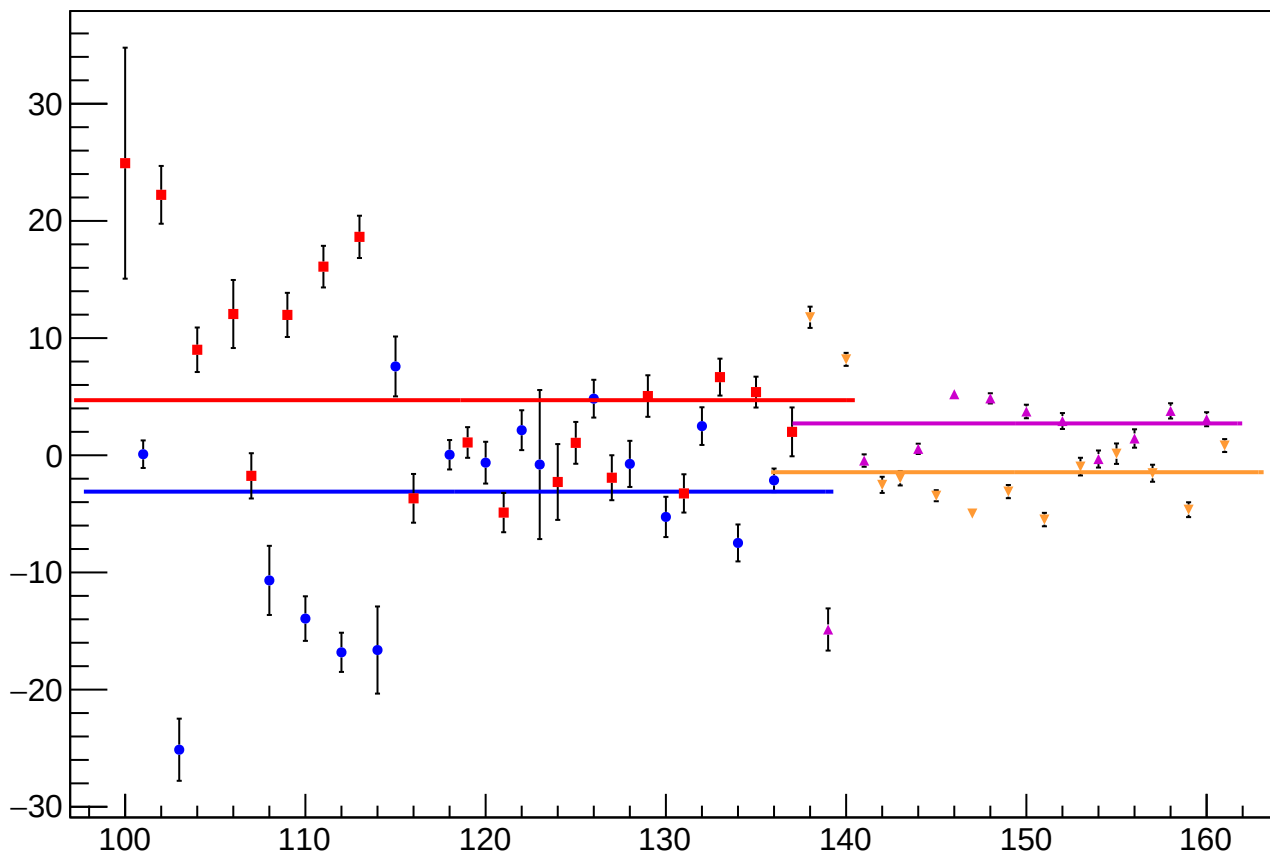
Left In: 13.623 $\pm$ 0.251 χ^2 /NDF:503.5/10

-18.053 $\pm$ 0.242 χ^2 /NDF: 1905.6/12

-2.782 $\pm$ 0.174 χ^2 /NDF: 10675.8/23

13.623 $\pm$ 0.251 χ^2 /NDF: 503.5/10

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: -1.445 ± 0.166 χ^2/NDF : 707.8/12

Right Out: 4.701 ± 0.427 χ^2/NDF : 297.6/18

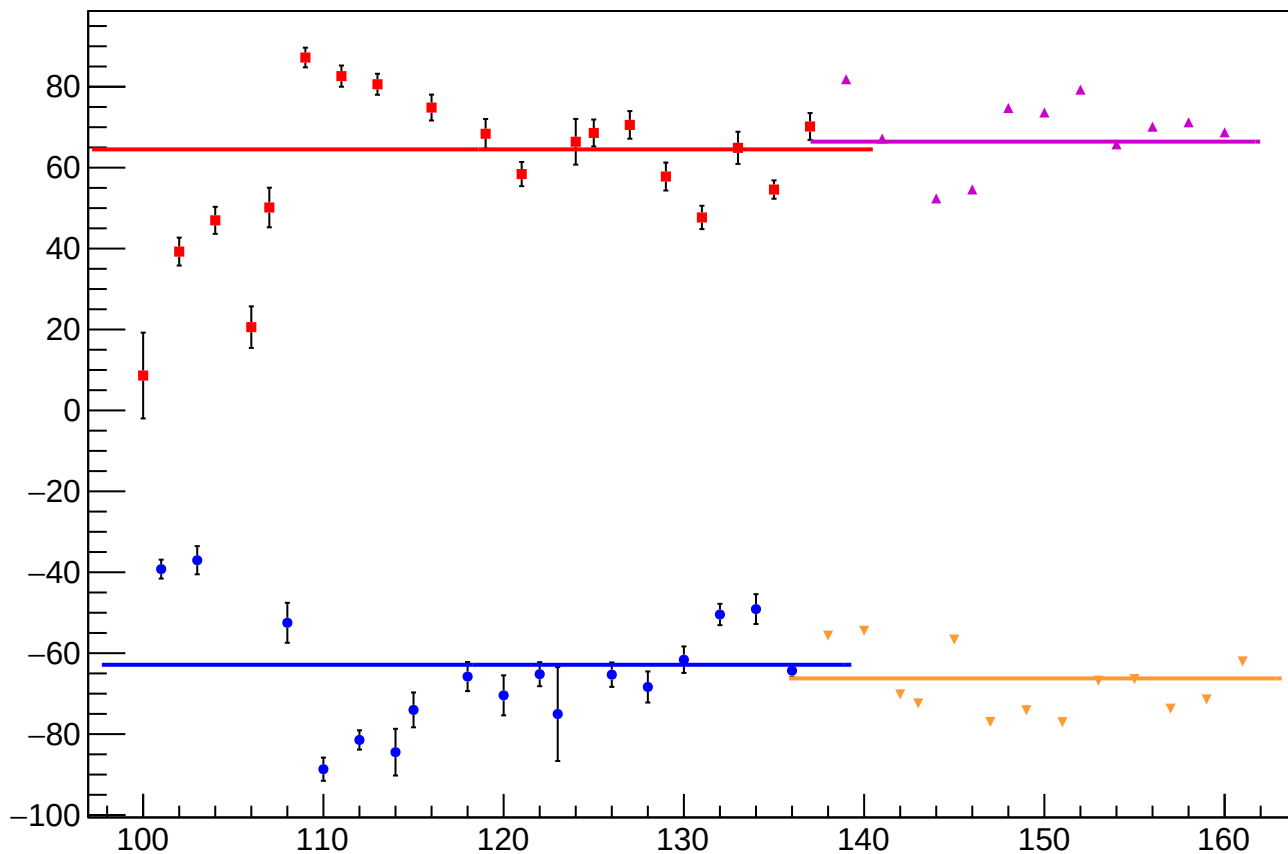
Left In: 2.718 ± 0.169 χ^2/NDF : 249.7/10

-1.679 ± 0.154 χ^2/NDF : 1000.9/29

0.615 ± 0.110 χ^2/NDF : 2016.6/59

2.986 ± 0.157 χ^2/NDF : 566.0/29

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: -66.236 ± 0.240 χ^2/NDF : 1184.6/12

Right Out: 64.517 ± 0.752 χ^2/NDF : 444.3/18

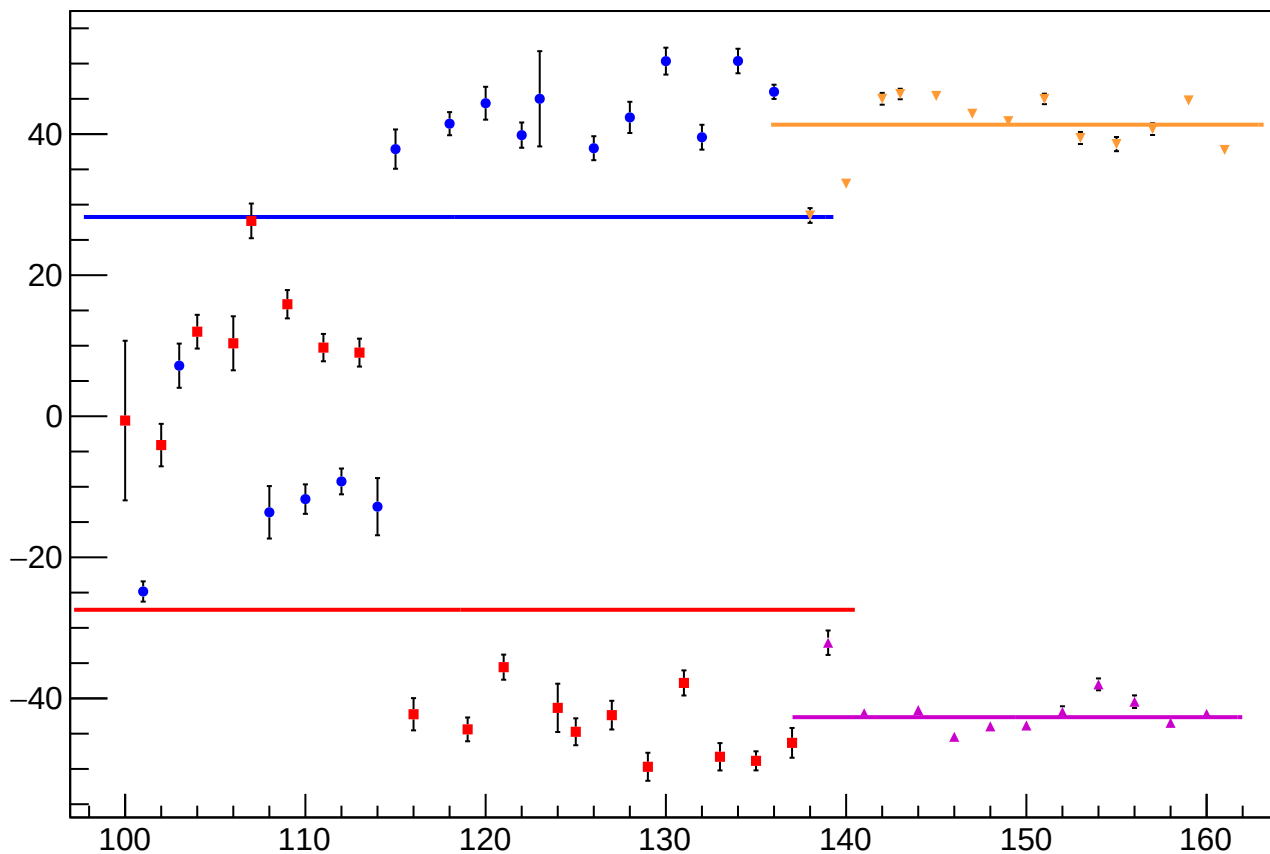
Left In: 66.431 ± 0.246 χ^2/NDF : 1512.3/10

-65.914 ± 0.229 χ^2/NDF : 1572.1/29

-1.208 ± 0.163 χ^2/NDF : 166975.0/59

66.246 ± 0.234 χ^2/NDF : 1962.4/29

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: 41.336+/-0.198 χ^2 /NDF: 523.7/12

Right Out: -27.435+/-0.479 χ^2 /NDF: 3032.4/18

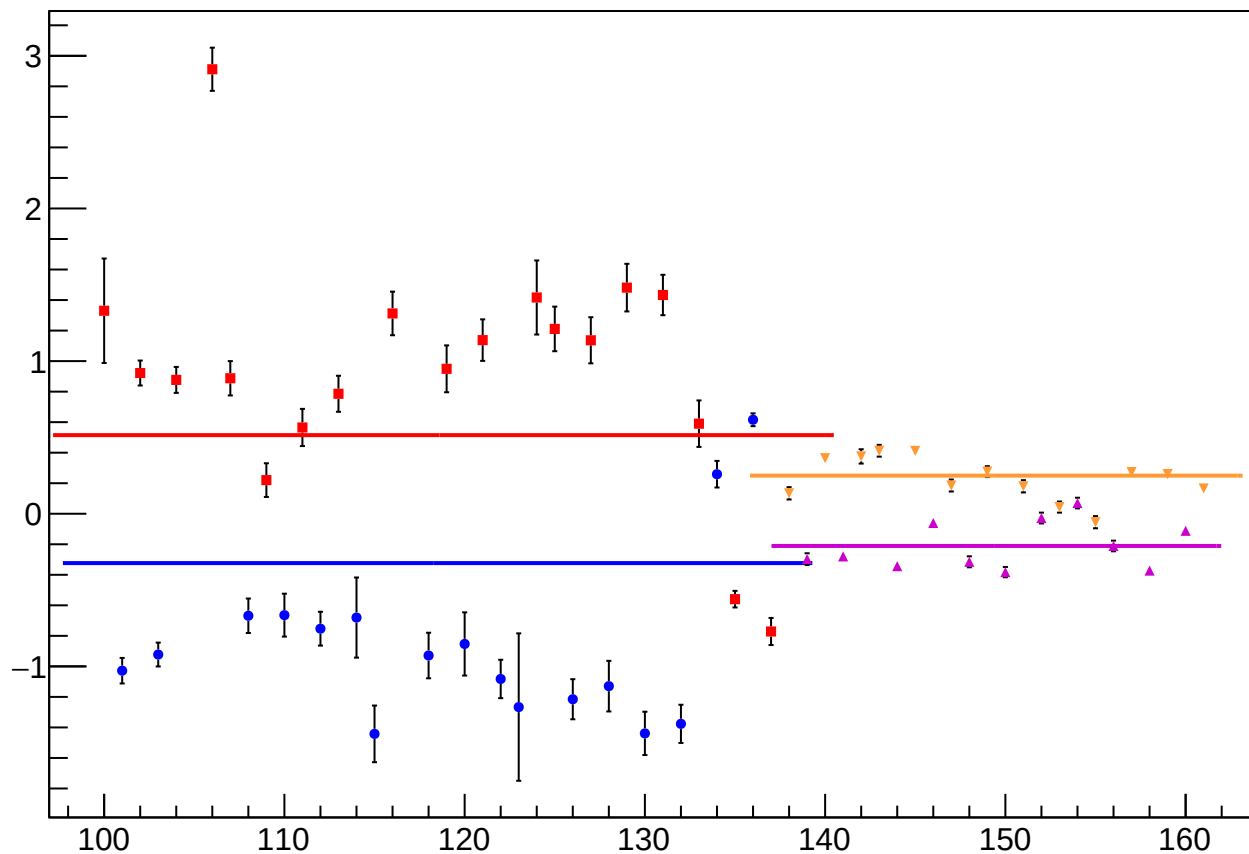
Left In: -42.660+/-0.202 χ^2 /NDF: 122.5/10

39.292+/-0.182 χ^2 /NDF: 4525.7/29

0.408+/-0.130 χ^2 /NDF: 102226.4/59

-40.358+/-0.186 χ^2 /NDF: 4013.2/29

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.250 ± 0.009 $\chi^2/\text{NDF}: 197.2/12$

Right Out: 0.515 ± 0.026 $\chi^2/\text{NDF}: 1160.9/18$

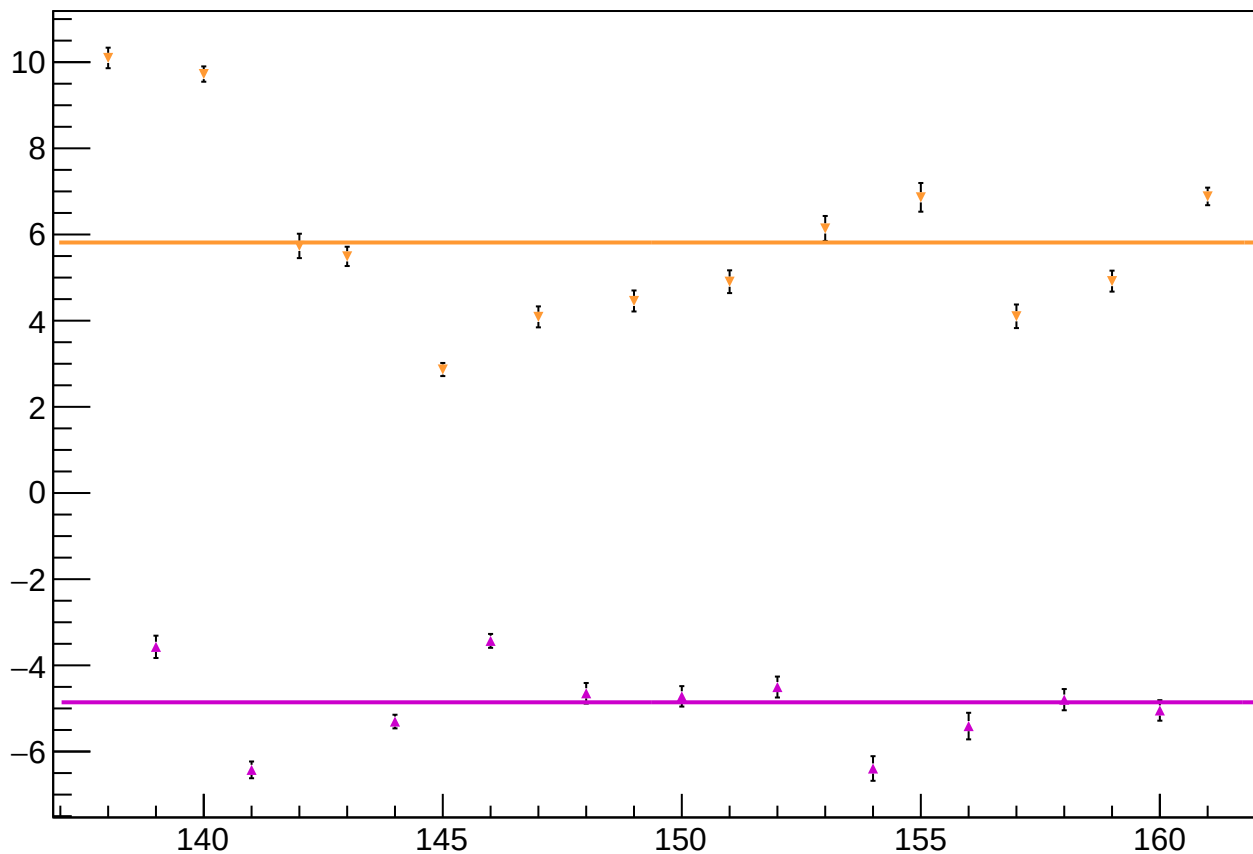
Left In: -0.211 ± 0.010 $\chi^2/\text{NDF}: 223.7/10$

0.178 ± 0.009 $\chi^2/\text{NDF}: 1668.9/29$

0.035 ± 0.006 $\chi^2/\text{NDF}: 4288.7/59$

-0.119 ± 0.009 $\chi^2/\text{NDF}: 2078.3/29$

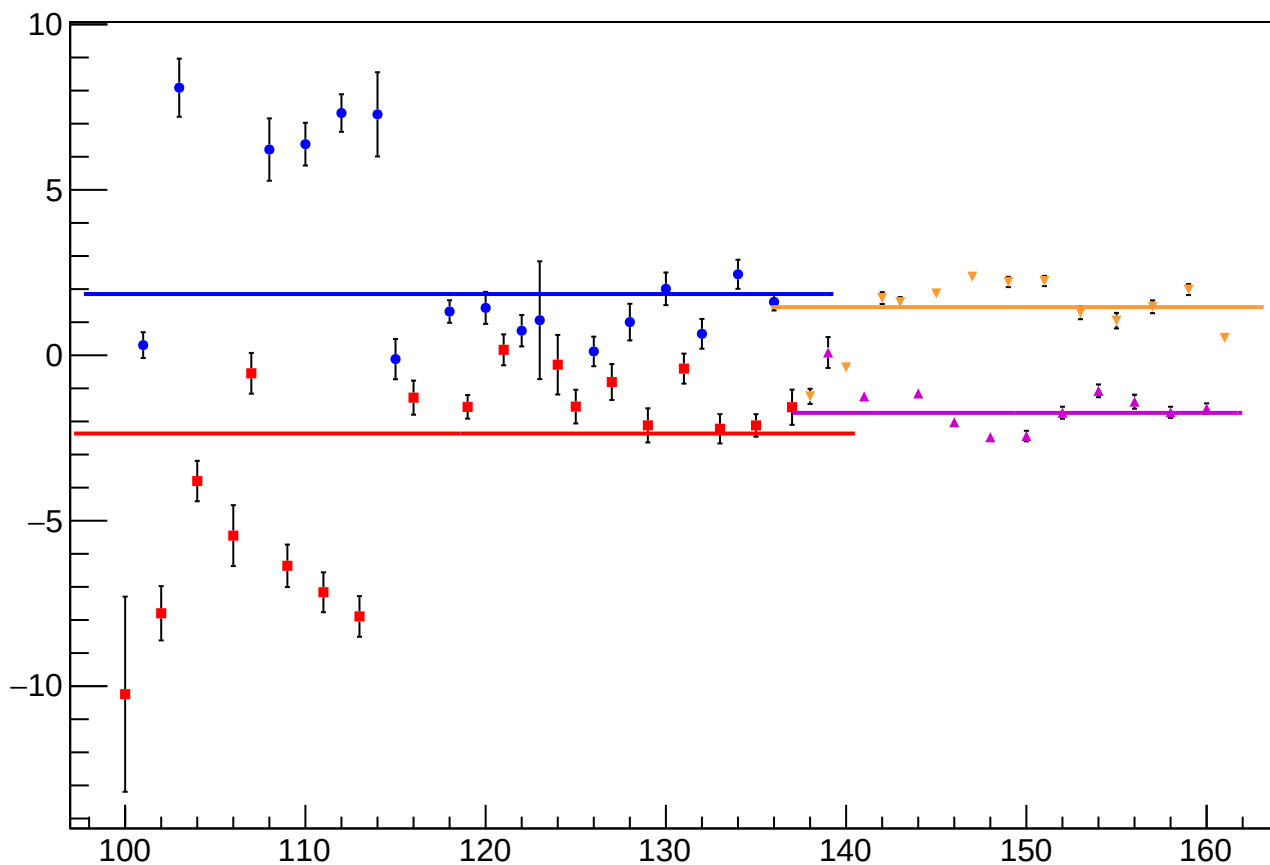
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 5.815 $\pm$ 0.063 χ^2/NDF :1367.5/12
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -4.858 $\pm$ 0.066 χ^2/NDF :212.0/10

5.815 $\pm$ 0.063 χ^2/NDF : 1367.5/12
 0.695 $\pm$ 0.046 χ^2/NDF : 15132.5/23
 -4.858 $\pm$ 0.066 χ^2/NDF : 212.0/10

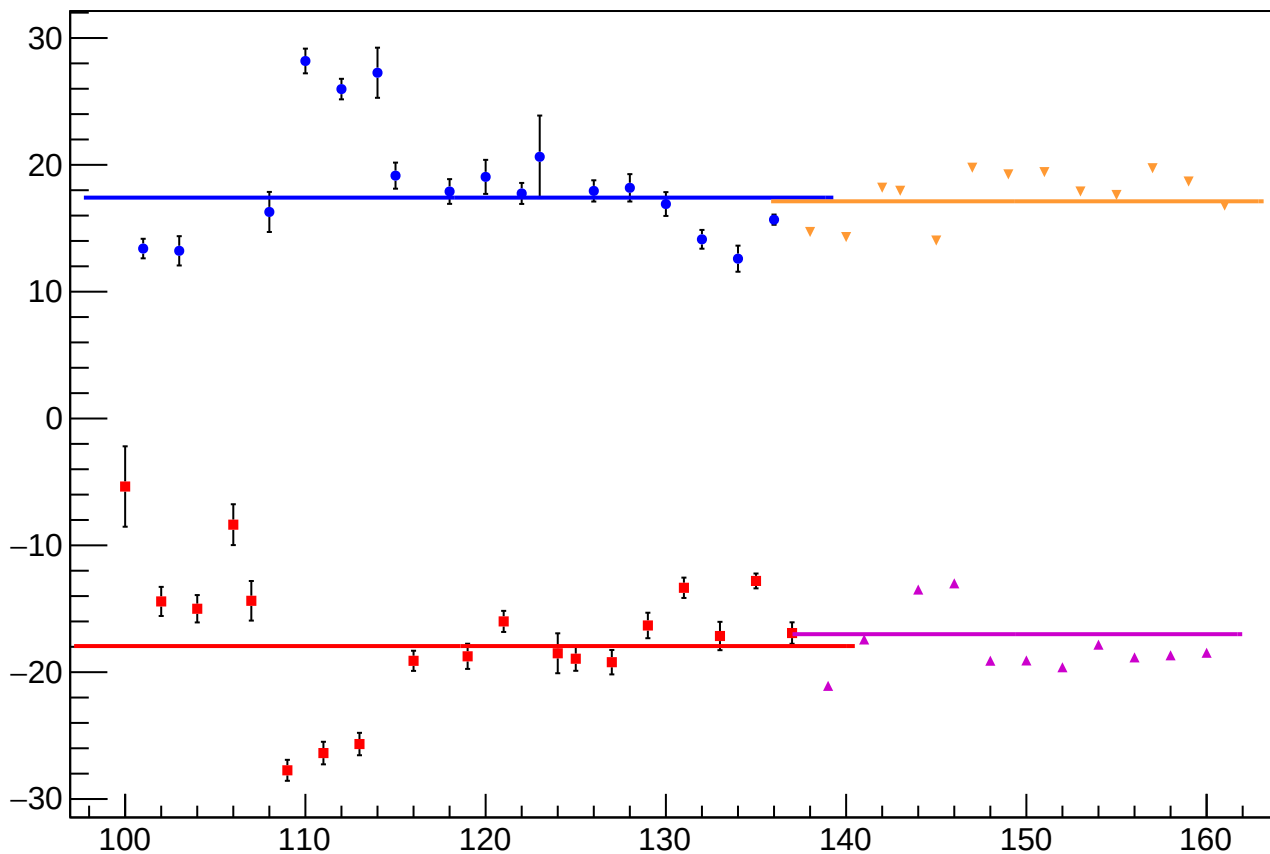
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16
 Left Out: 1.455 ± 0.044 χ^2/NDF : 481.6/12
 Right Out: -2.365 ± 0.123 χ^2/NDF : 336.2/18
 Left In: -1.741 ± 0.044 χ^2/NDF : 138.2/10

1.503 ± 0.041 χ^2/NDF : 785.8/29
 -0.128 ± 0.029 χ^2/NDF : 4491.2/59
 -1.813 ± 0.042 χ^2/NDF : 497.4/29

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 ± 0.213 χ^2/NDF : 367.0/16

Left Out: 17.126 ± 0.063 χ^2/NDF : 1173.5/12

Right Out: -17.941 ± 0.219 χ^2/NDF : 505.6/18

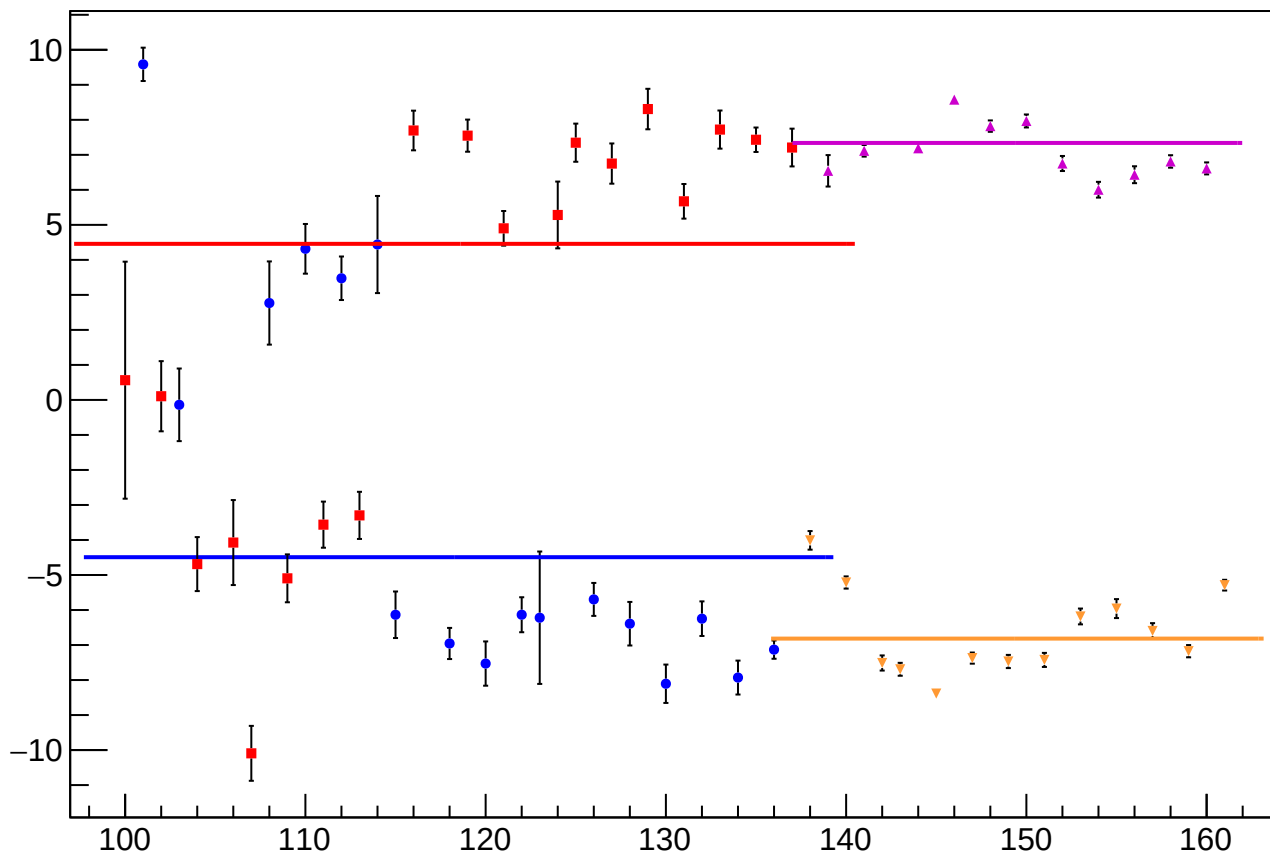
Left In: -17.004 ± 0.065 χ^2/NDF : 1763.4/10

17.149 ± 0.061 χ^2/NDF : 1542.3/29

0.469 ± 0.043 χ^2/NDF : 158955.0/59

-17.080 ± 0.062 χ^2/NDF : 2285.8/29

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: -6.817 ± 0.052 χ^2/NDF : 506.8/12

Right Out: 4.458 ± 0.137 χ^2/NDF : 1338.9/18

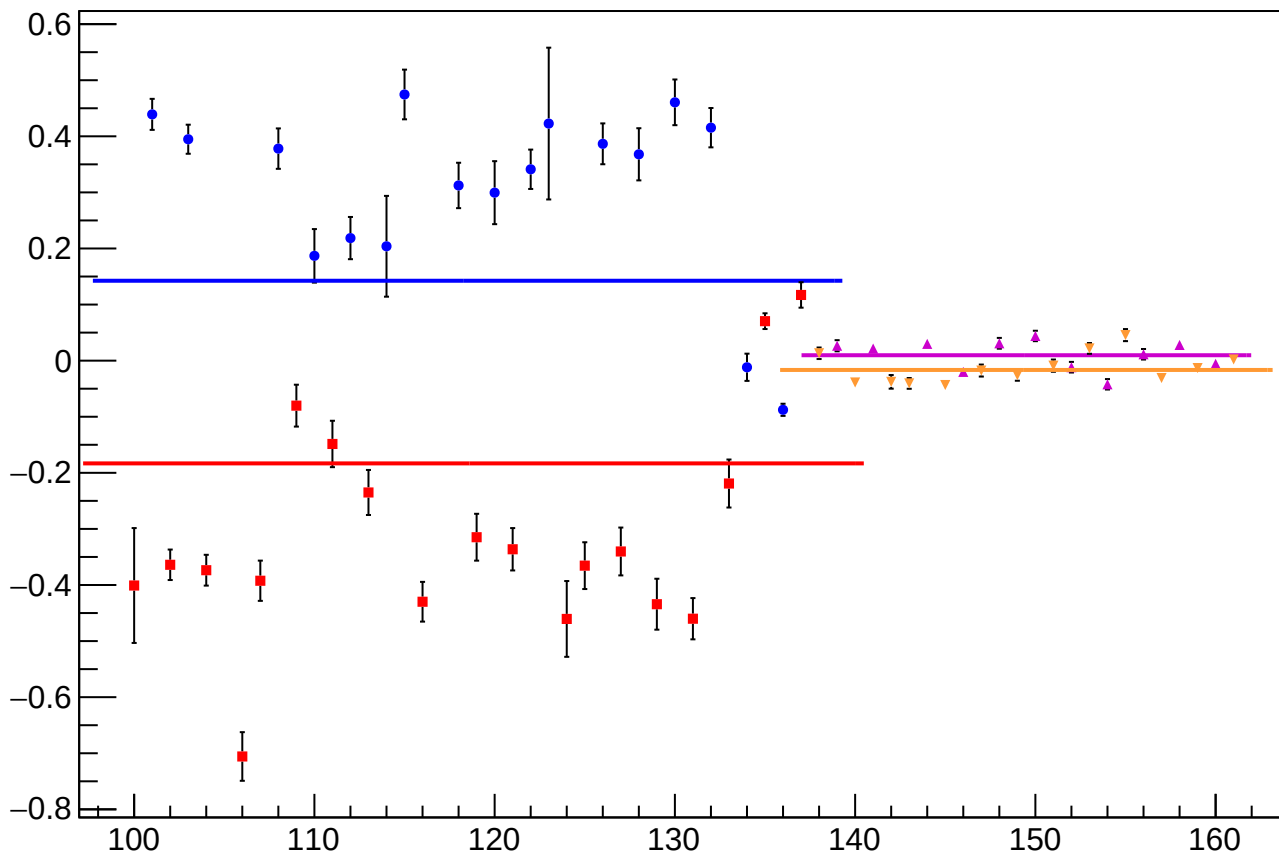
Left In: 7.340 ± 0.053 χ^2/NDF : 209.3/10

-6.497 ± 0.048 χ^2/NDF : 2366.2/29

0.060 ± 0.035 χ^2/NDF : 41999.5/59

6.962 ± 0.050 χ^2/NDF : 1932.6/29

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: -0.017 ± 0.002 χ^2/NDF : 103.2/12

Right Out: -0.183 ± 0.007 χ^2/NDF : 1000.9/18

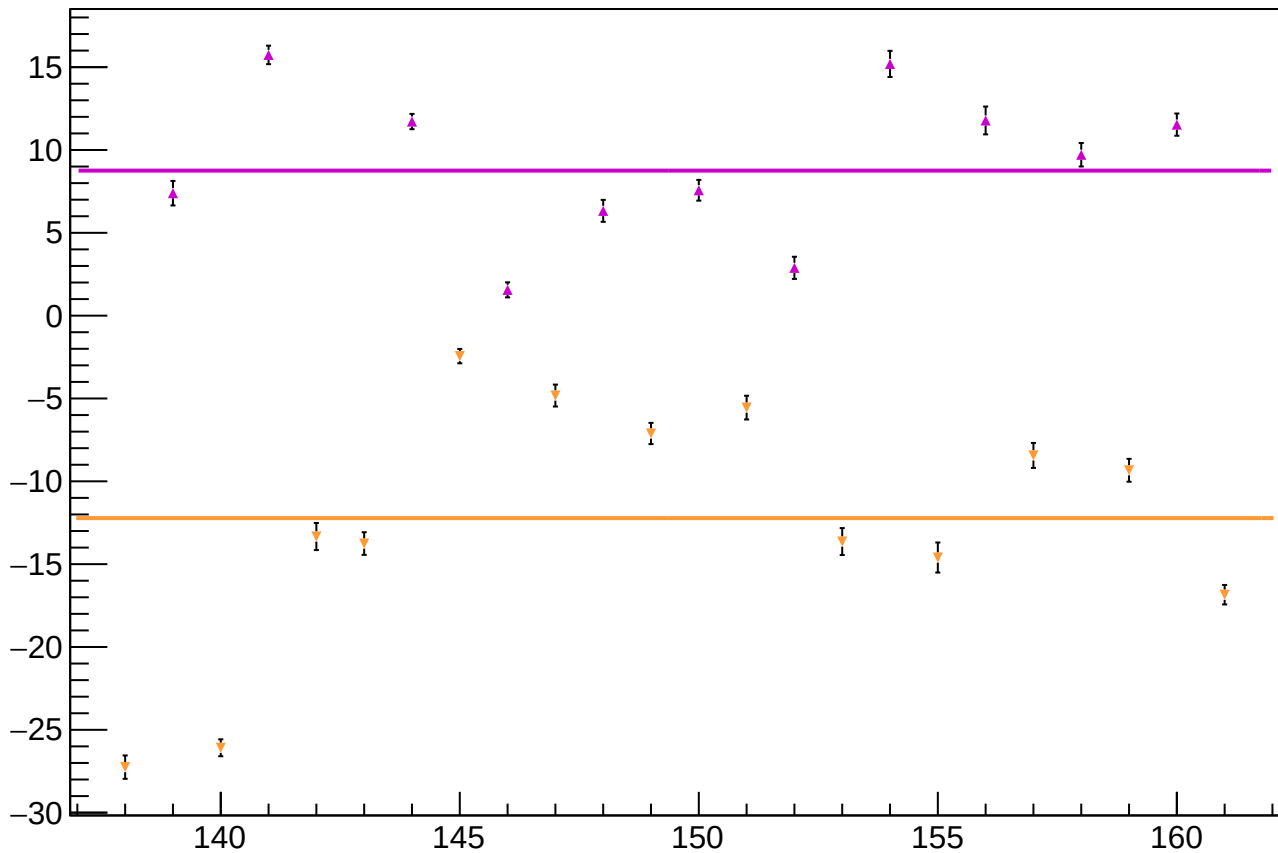
Left In: 0.010 ± 0.003 χ^2/NDF : 92.7/10

0.001 ± 0.002 χ^2/NDF : 1612.3/29

-0.005 ± 0.002 χ^2/NDF : 3322.8/59

-0.011 ± 0.002 χ^2/NDF : 1697.3/29

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.220+/-0.180 χ^2/NDF : 2095.9/12

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

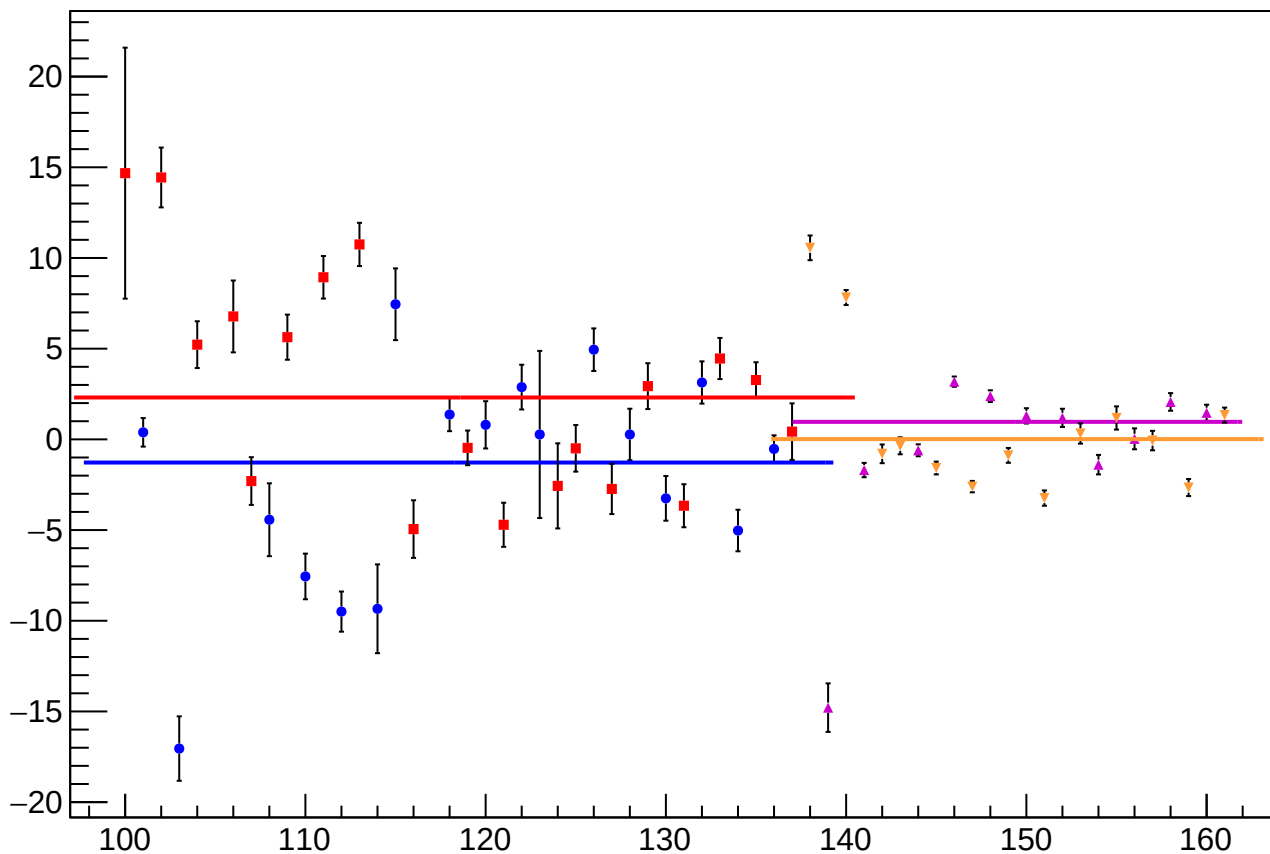
Left In: 8.755+/-0.186 χ^2/NDF : 644.3/10

-12.220+/-0.180 χ^2/NDF : 2095.9/12

-2.097+/-0.129 χ^2/NDF : 9308.8/23

8.755+/-0.186 χ^2/NDF : 644.3/10

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 0.014 ± 0.124 χ^2/NDF : 798.0/12

Right Out: 2.309 ± 0.302 χ^2/NDF : 285.3/18

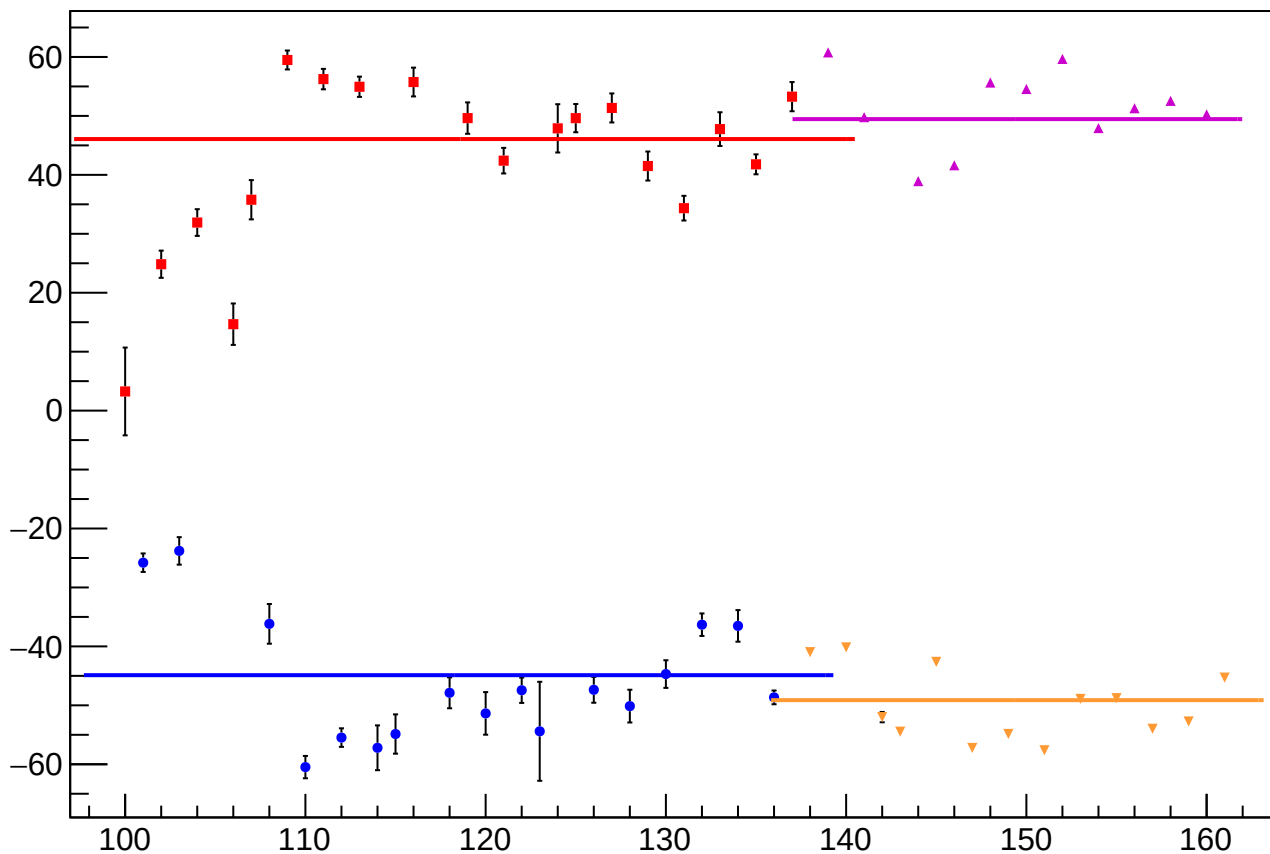
Left In: 0.965 ± 0.125 χ^2/NDF : 316.1/10

-0.182 ± 0.114 χ^2/NDF : 1091.1/29

0.479 ± 0.081 χ^2/NDF : 1777.9/59

1.163 ± 0.116 χ^2/NDF : 618.3/29

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -49.122 ± 0.179 χ^2/NDF : 1193.1/12

Right Out: 46.075 ± 0.529 χ^2/NDF : 454.3/18

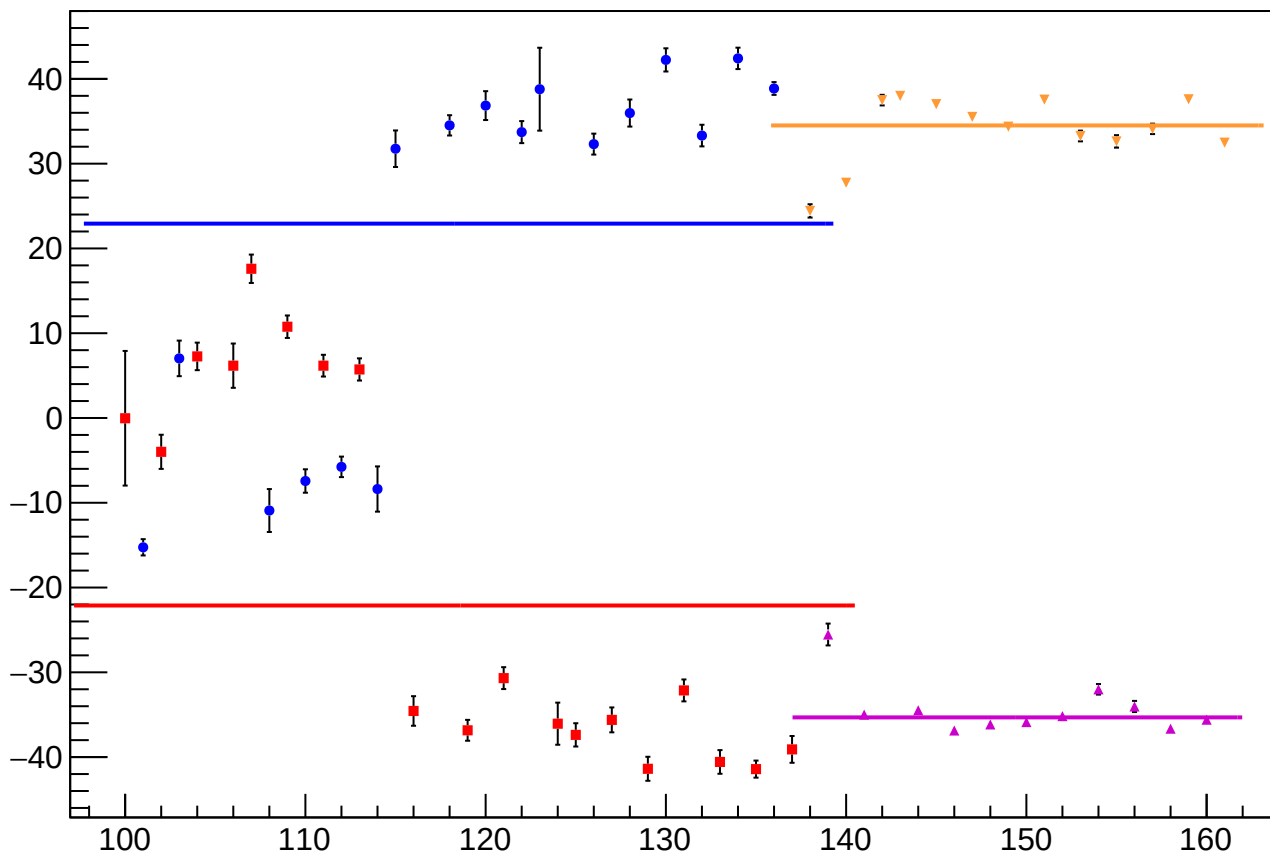
Left In: 49.455 ± 0.182 χ^2/NDF : 1438.1/10

-48.681 ± 0.169 χ^2/NDF : 1672.6/29

-0.742 ± 0.121 χ^2/NDF : 167654.2/59

49.095 ± 0.172 χ^2/NDF : 1928.9/29

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: 34.509+/-0.147 χ^2/NDF : 552.6/12

Right Out: -22.117+/-0.340 χ^2/NDF : 4033.4/18

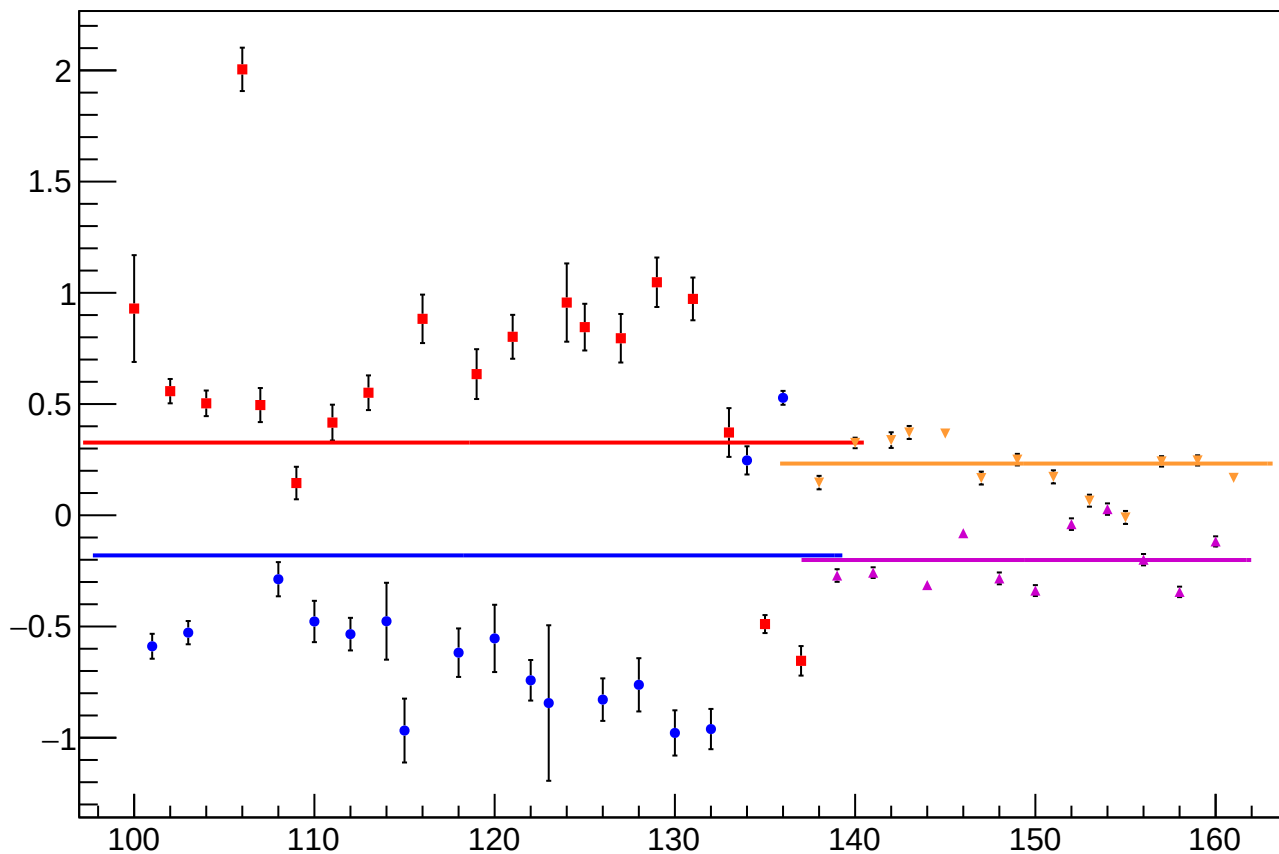
Left In: -35.318+/-0.150 χ^2/NDF : 125.6/10

32.573+/-0.134 χ^2/NDF : 5921.0/29

0.471+/-0.096 χ^2/NDF : 128602.6/59

-33.164+/-0.137 χ^2/NDF : 5420.8/29

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: 0.232 ± 0.007 χ^2/NDF : 237.2/12

Right Out: 0.327 ± 0.018 χ^2/NDF : 1175.6/18

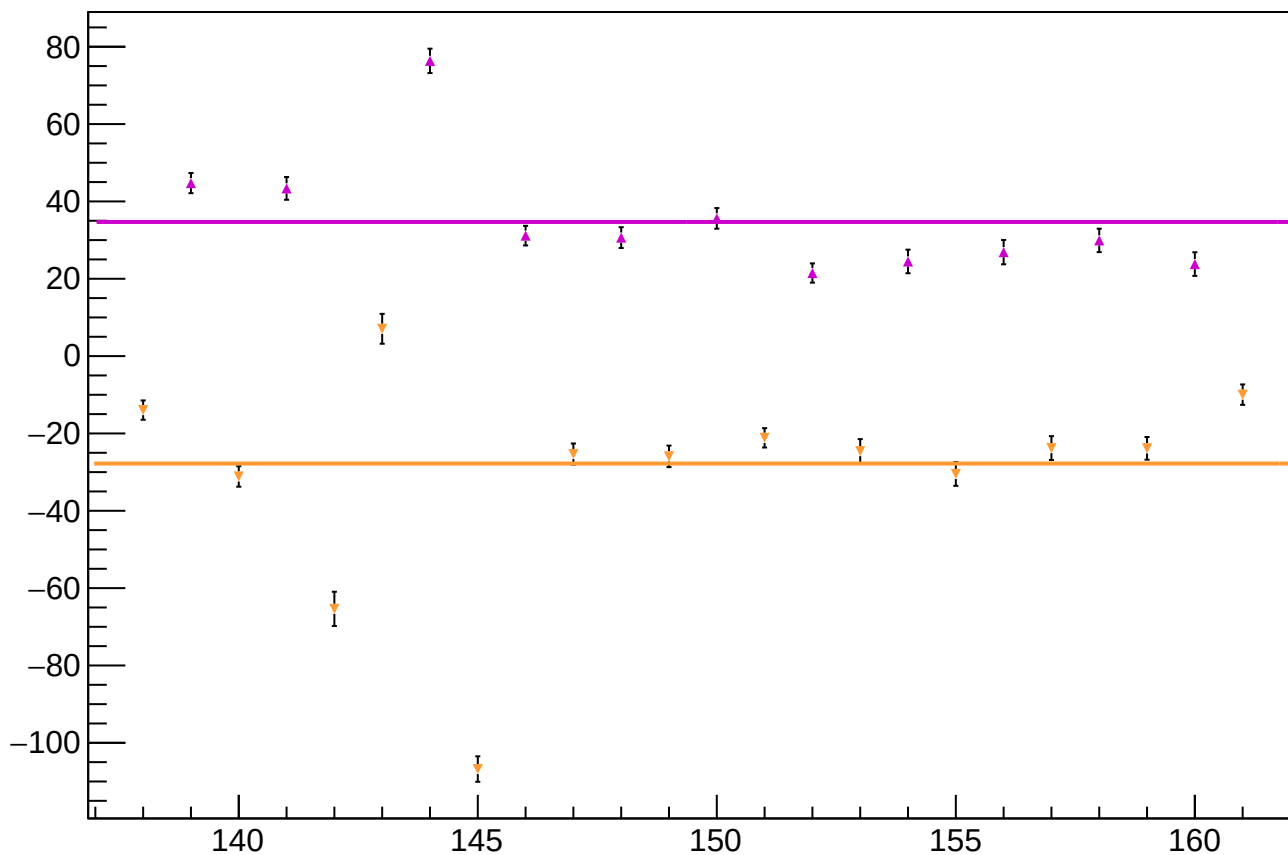
Left In: -0.201 ± 0.007 χ^2/NDF : 283.2/10

0.177 ± 0.007 χ^2/NDF : 1699.8/29

0.029 ± 0.005 χ^2/NDF : 4935.7/59

-0.128 ± 0.007 χ^2/NDF : 2184.2/29

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -27.781+/-0.813 χ^2/NDF : 819.1/12

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

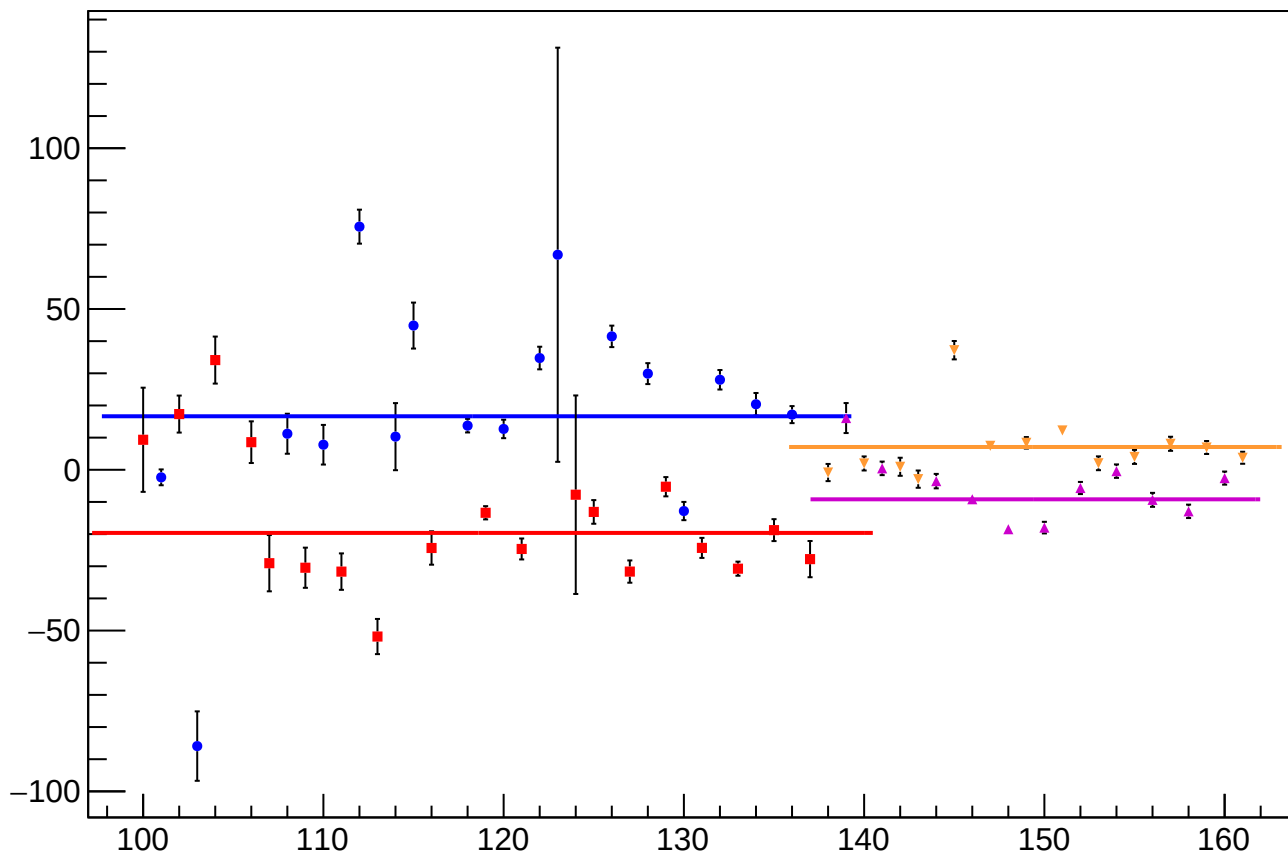
Left In: 34.692+/-0.850 χ^2/NDF : 263.1/10

-27.781+/-0.813 χ^2/NDF : 819.1/12

2.060+/-0.588 χ^2/NDF : 3900.6/23

34.692+/-0.850 χ^2/NDF : 263.1/10

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 7.087 ± 0.549 χ^2/NDF : 168.7/12

Right Out: -19.632 ± 0.896 χ^2/NDF : 241.7/18

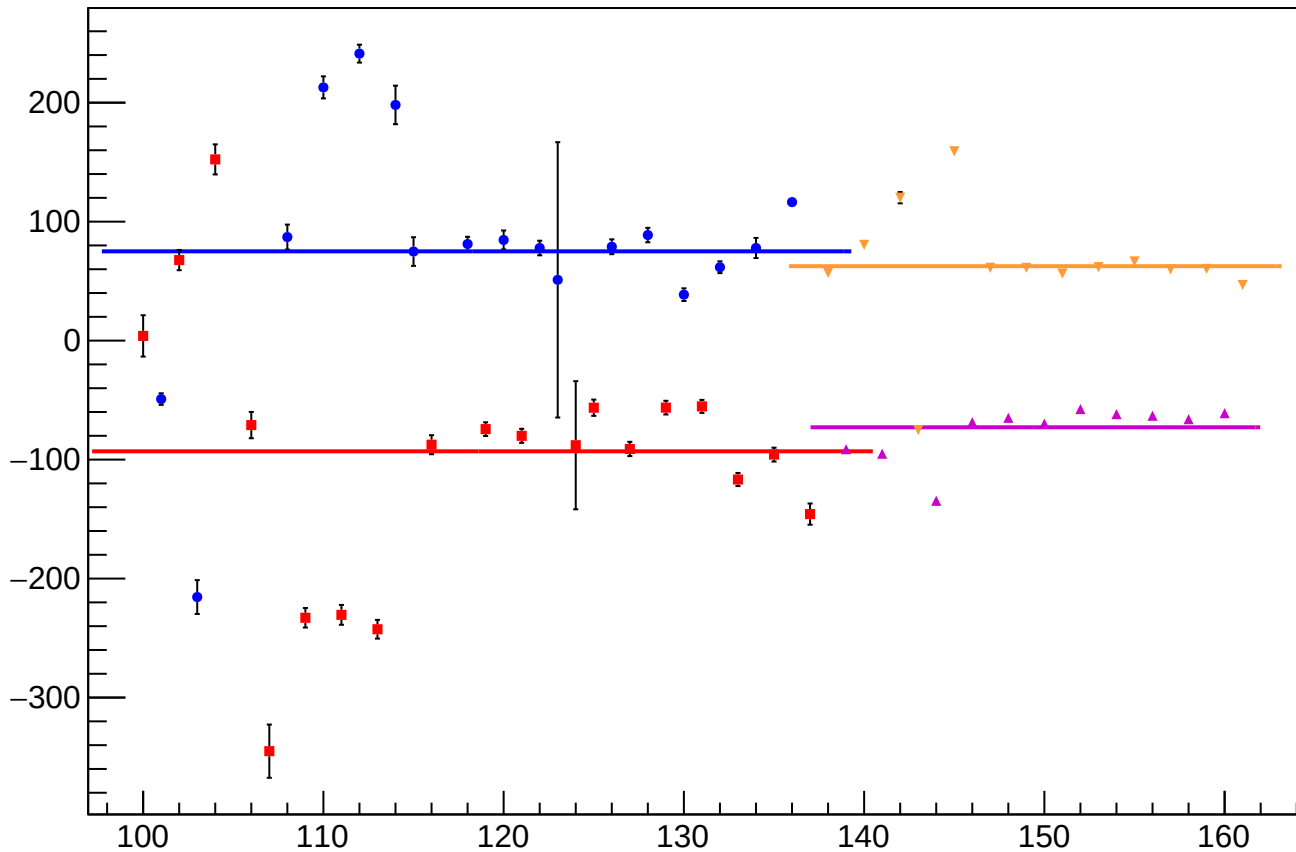
Left In: -9.187 ± 0.577 χ^2/NDF : 165.7/10

9.861 ± 0.463 χ^2/NDF : 775.5/29

-0.672 ± 0.335 χ^2/NDF : 2366.6/59

-12.245 ± 0.485 χ^2/NDF : 503.4/29

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 62.548 ± 0.794 χ^2/NDF : 2151.0/12

Right Out: -93.028 ± 1.711 χ^2/NDF : 2003.6/18

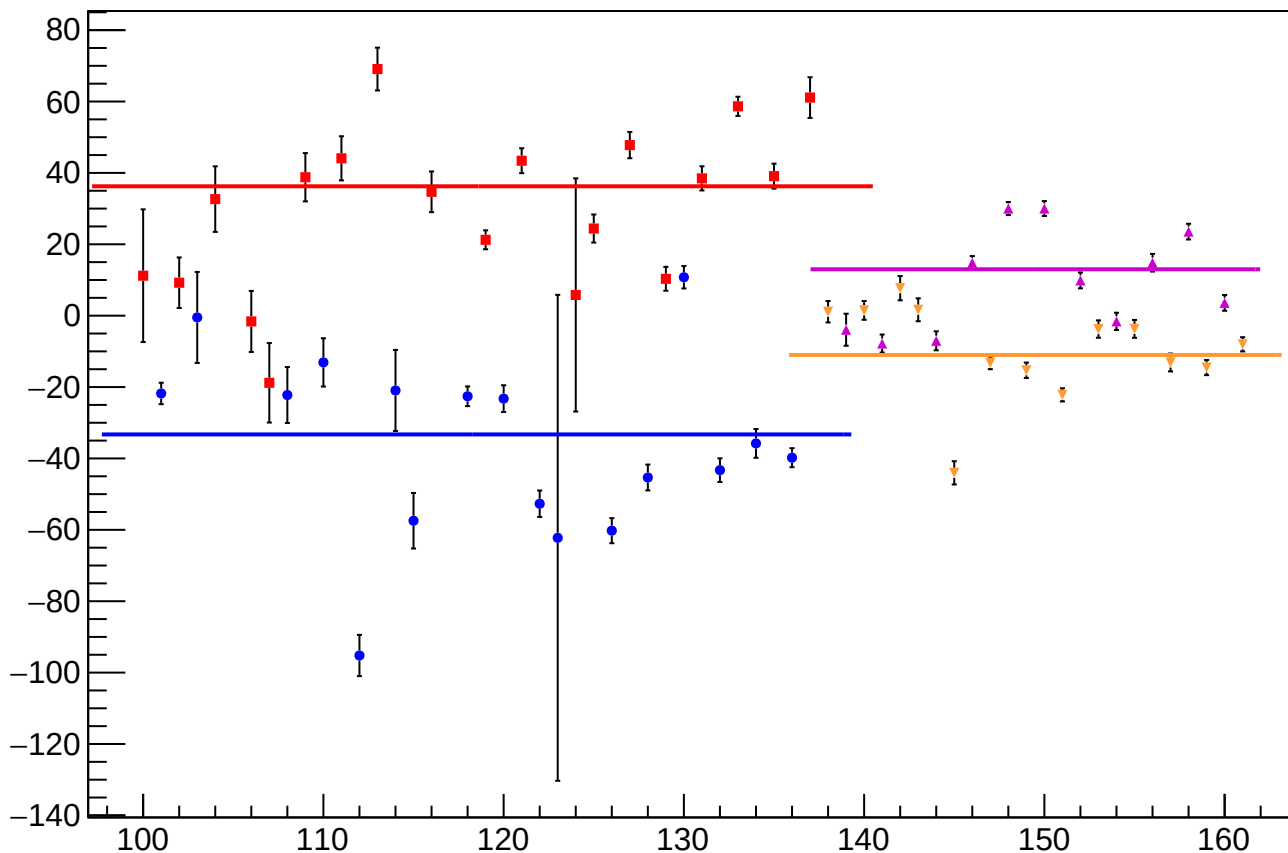
Left In: -72.836 ± 0.824 χ^2/NDF : 533.8/10

64.904 ± 0.715 χ^2/NDF : 4197.3/29

-3.206 ± 0.515 χ^2/NDF : 25691.5/59

-76.639 ± 0.743 χ^2/NDF : 2650.4/29

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -11.001 ± 0.657 $\chi^2/\text{NDF}: 252.8/12$

Right Out: 36.251 ± 1.024 $\chi^2/\text{NDF}: 297.6/18$

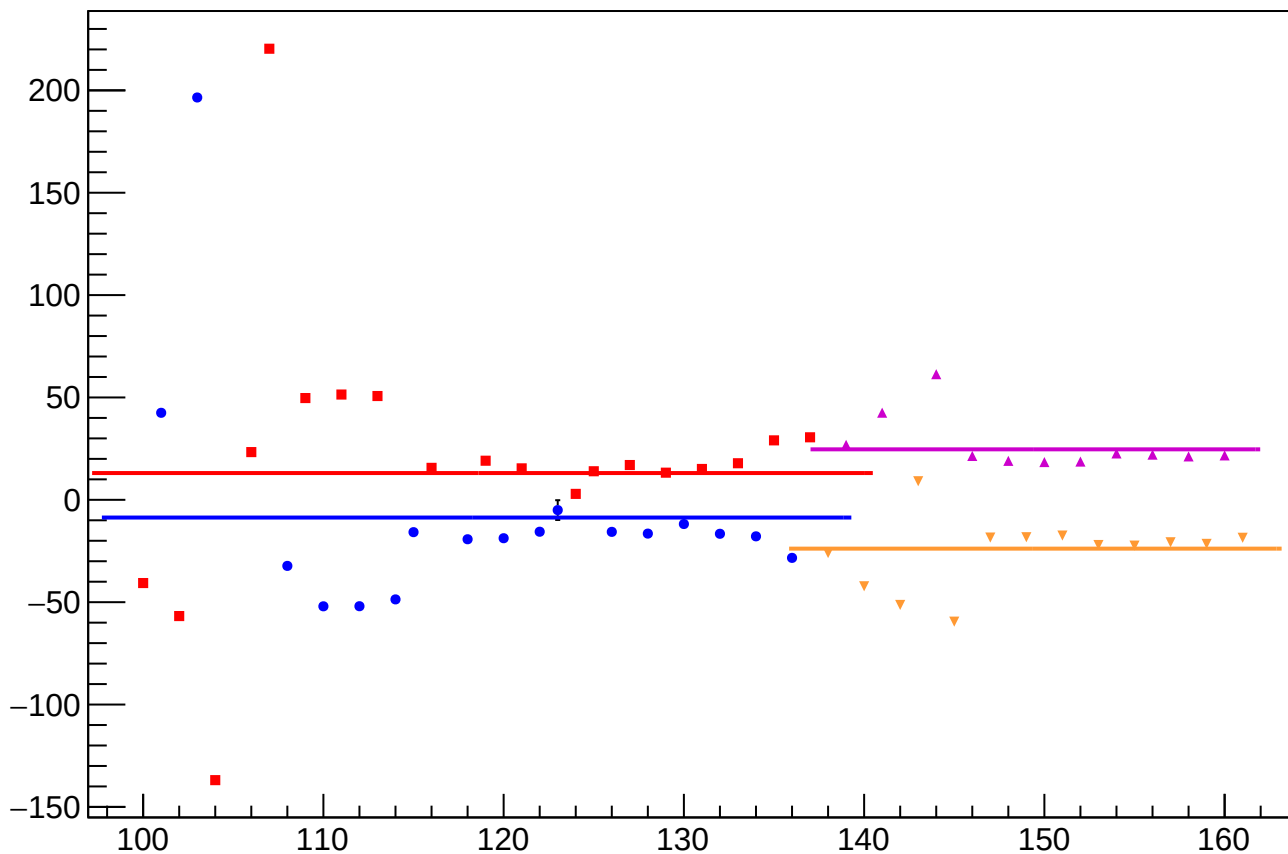
Left In: 12.999 ± 0.690 $\chi^2/\text{NDF}: 372.3/10$

-17.882 ± 0.546 $\chi^2/\text{NDF}: 1097.6/29$

0.287 ± 0.395 $\chi^2/\text{NDF}: 4448.5/59$

20.262 ± 0.572 $\chi^2/\text{NDF}: 1024.6/29$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -23.844 ± 0.031 $\chi^2/\text{NDF}: 166722.7/12$

Right Out: 13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

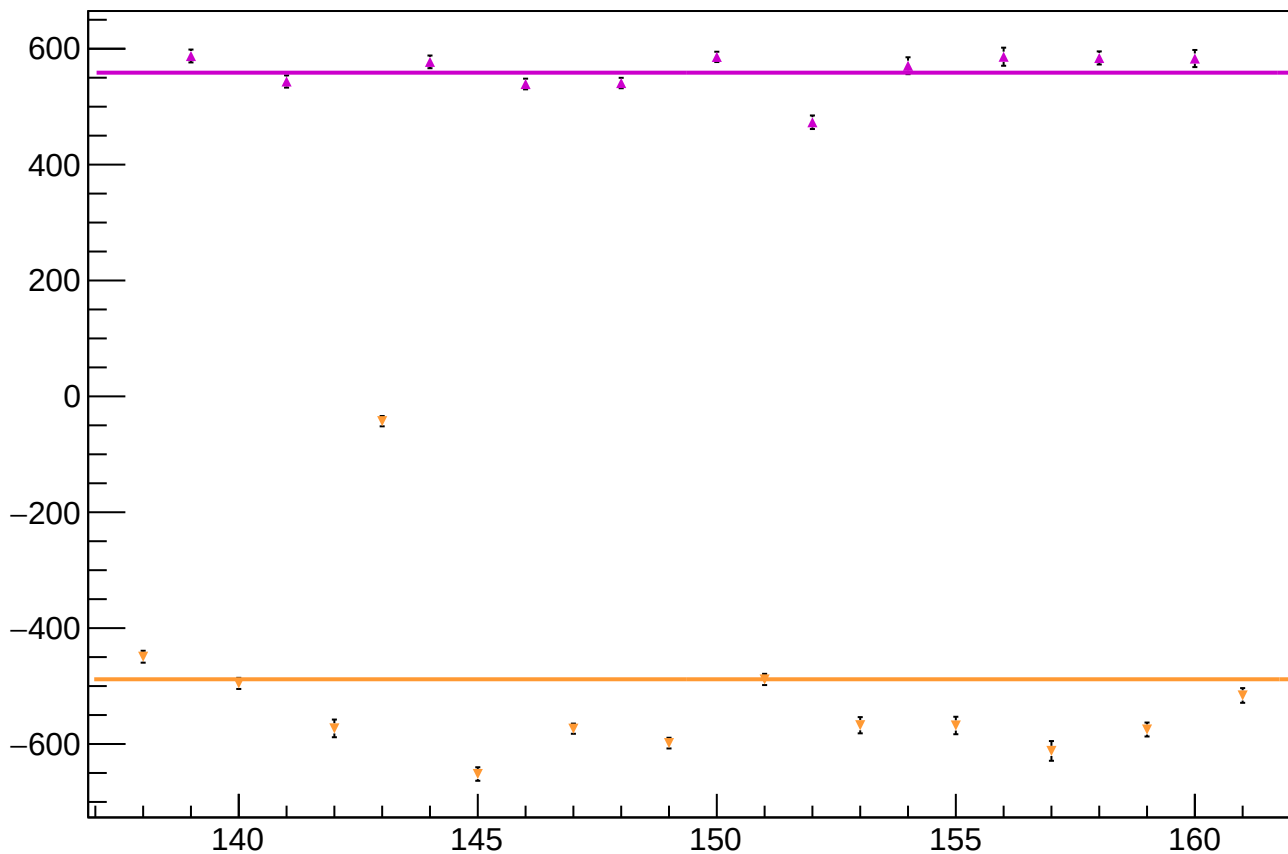
Left In: 24.656 ± 0.032 $\chi^2/\text{NDF}: 96415.6/10$

-20.567 ± 0.027 $\chi^2/\text{NDF}: 794280.1/29$

0.056 ± 0.020 $\chi^2/\text{NDF}: 2648095.3/59$

22.207 ± 0.028 $\chi^2/\text{NDF}: 682390.2/29$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -488.277+/-3.072 χ^2/NDF : 3153.2/12

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

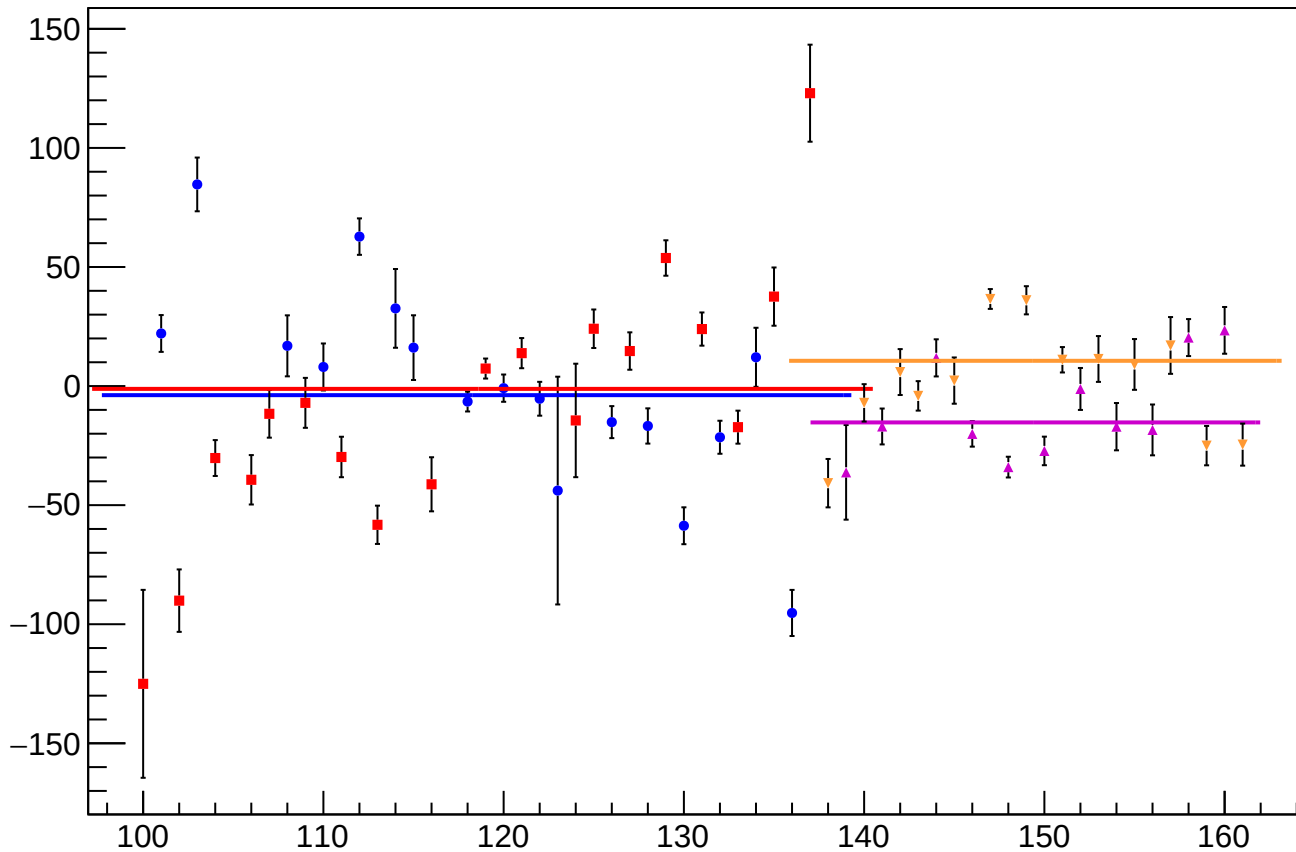
Left In: 558.688+/-3.321 χ^2/NDF : 94.6/10

-488.277+/-3.072 χ^2/NDF : 3153.2/12

-5.445+/-2.255 χ^2/NDF : 56797.8/23

558.688+/-3.321 χ^2/NDF : 94.6/10

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 10.612 ± 2.004 χ^2/NDF : 129.4/12

Right Out: -1.175 ± 1.914 χ^2/NDF : 303.9/18

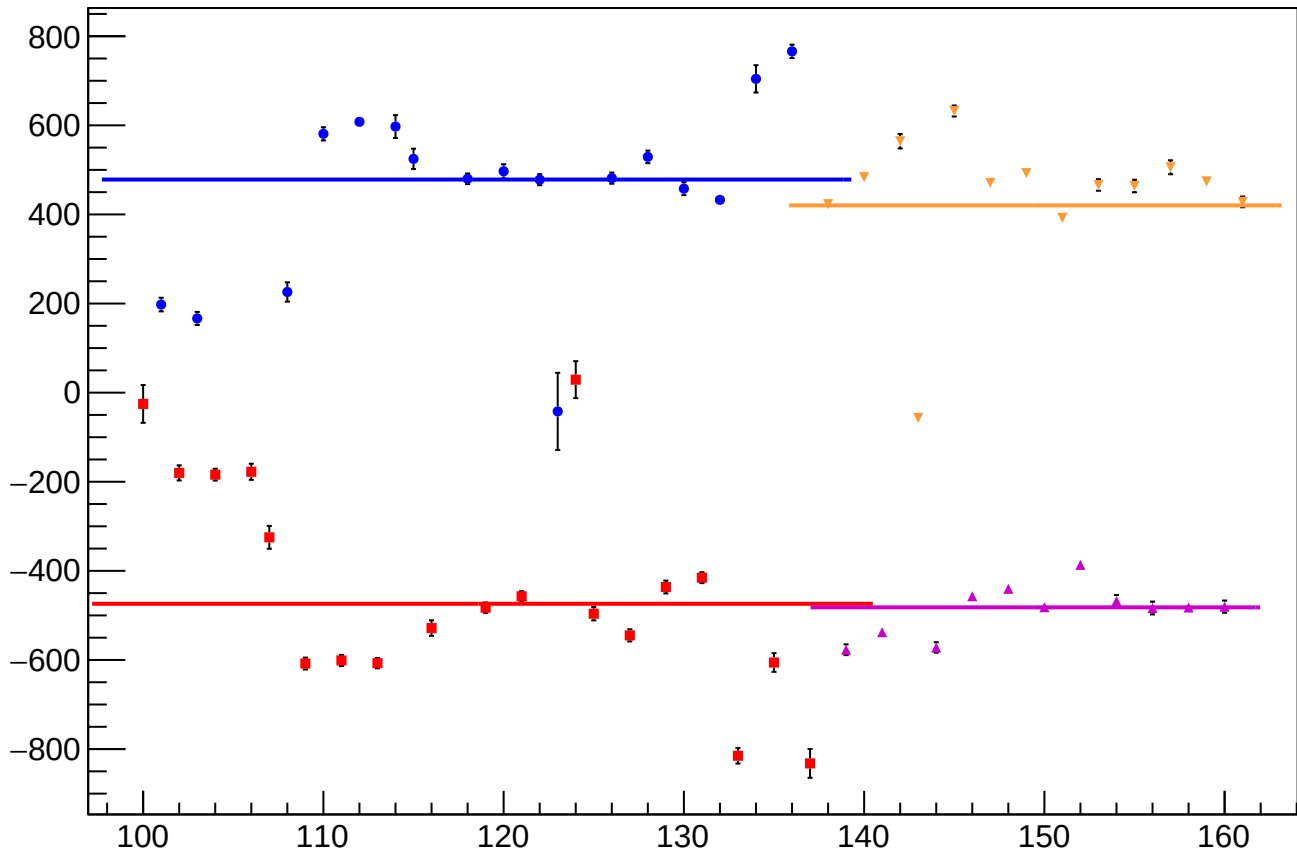
Left In: -15.264 ± 2.178 χ^2/NDF : 75.8/10

3.101 ± 1.387 χ^2/NDF : 470.7/29

-1.921 ± 0.998 χ^2/NDF : 901.2/59

-7.313 ± 1.438 χ^2/NDF : 403.3/29

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 ± 3.662 $\chi^2/\text{NDF}: 1628.8/16$

Left Out: 420.312 ± 3.029 $\chi^2/\text{NDF}: 3129.5/12$

Right Out: -473.902 ± 3.531 $\chi^2/\text{NDF}: 2285.0/18$

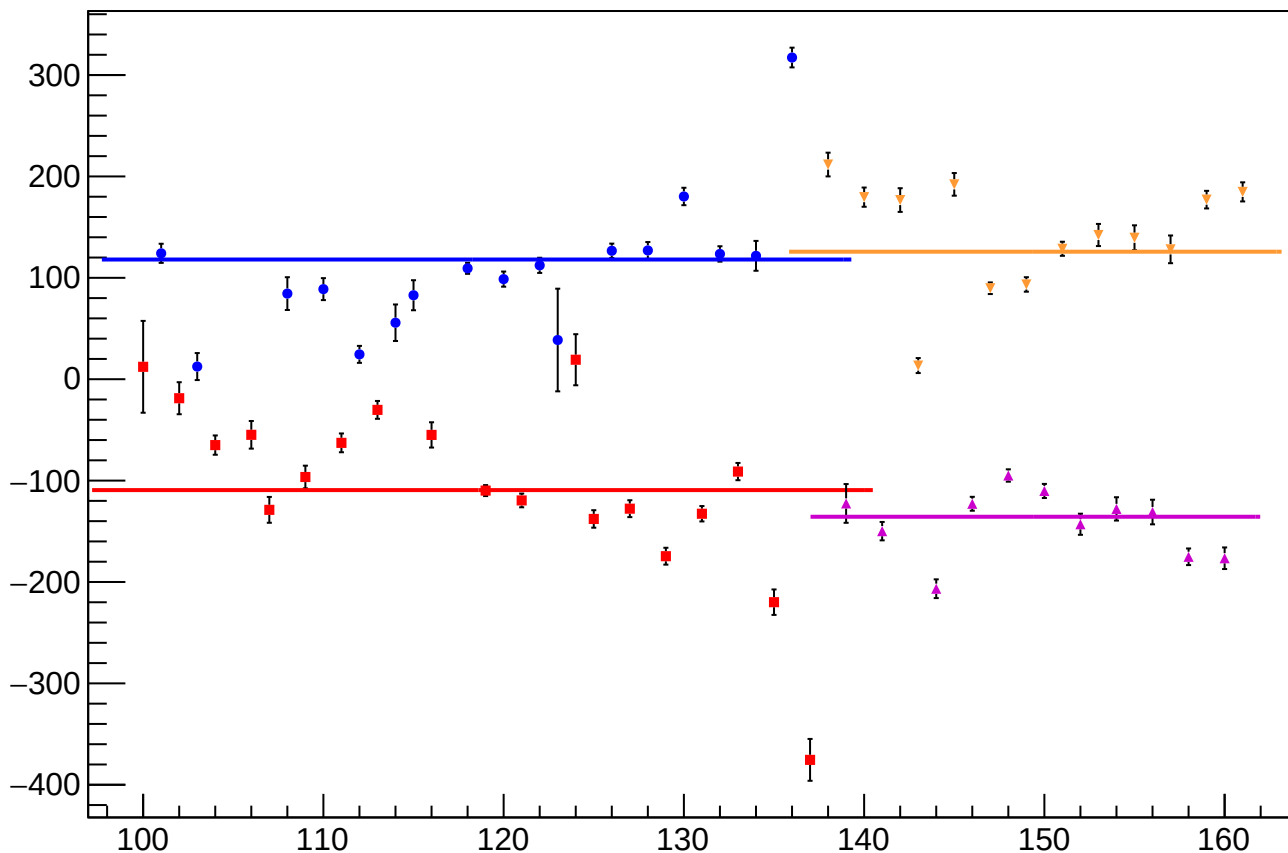
Left In: -481.946 ± 3.225 $\chi^2/\text{NDF}: 252.0/10$

443.882 ± 2.334 $\chi^2/\text{NDF}: 4907.4/29$

-7.998 ± 1.667 $\chi^2/\text{NDF}: 83938.0/59$

-478.288 ± 2.381 $\chi^2/\text{NDF}: 2539.8/29$

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 125.774 $\pm$ 2.442 χ^2 /NDF: 508.9/12

Right Out: -109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

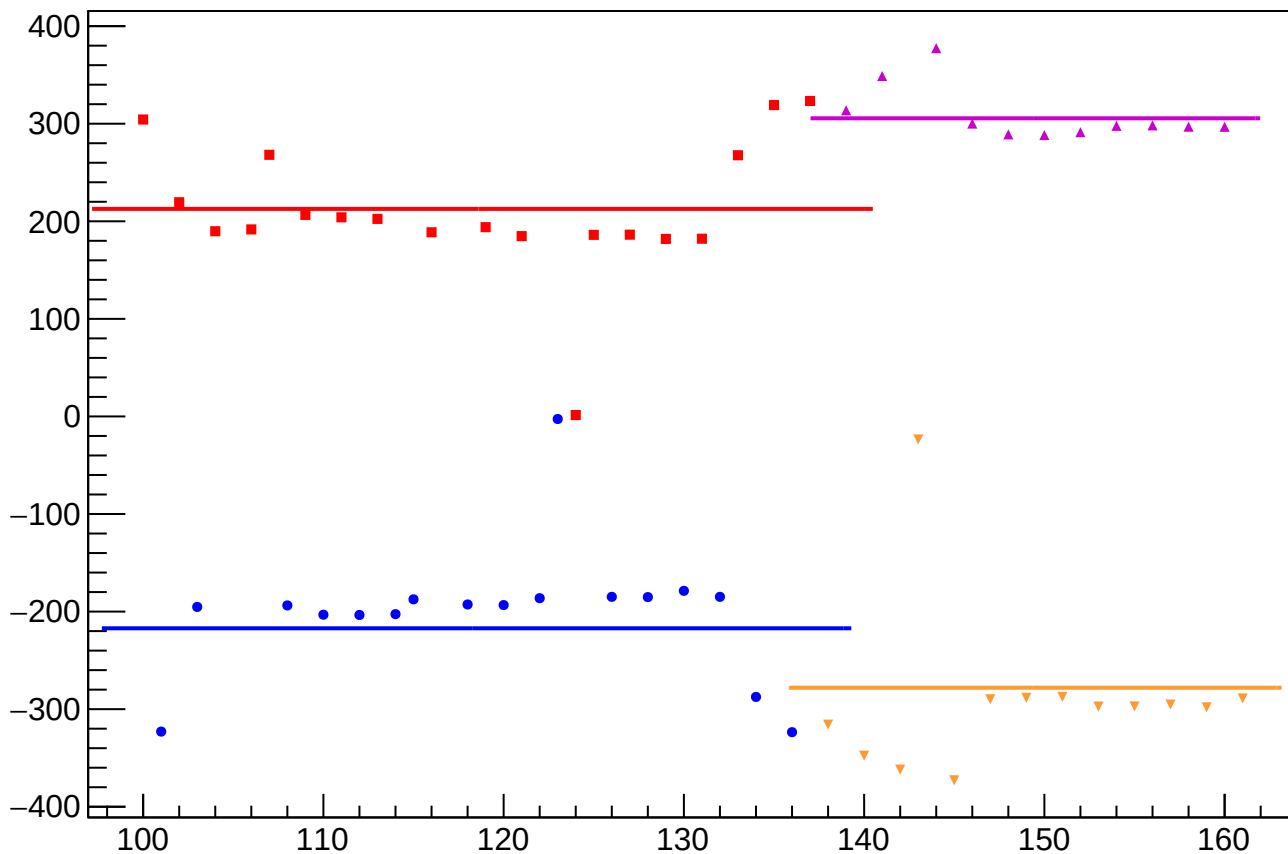
Left In: -135.653 $\pm$ 2.647 χ^2 /NDF: 162.4/10

121.556 $\pm$ 1.645 χ^2 /NDF: 1219.7/29

4.272 $\pm$ 1.180 χ^2 /NDF: 12485.9/59

-120.133 $\pm$ 1.694 χ^2 /NDF: 790.4/29

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -278.035 ± 0.122 $\chi^2/\text{NDF}: 544007.5/12$

Right Out: 212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

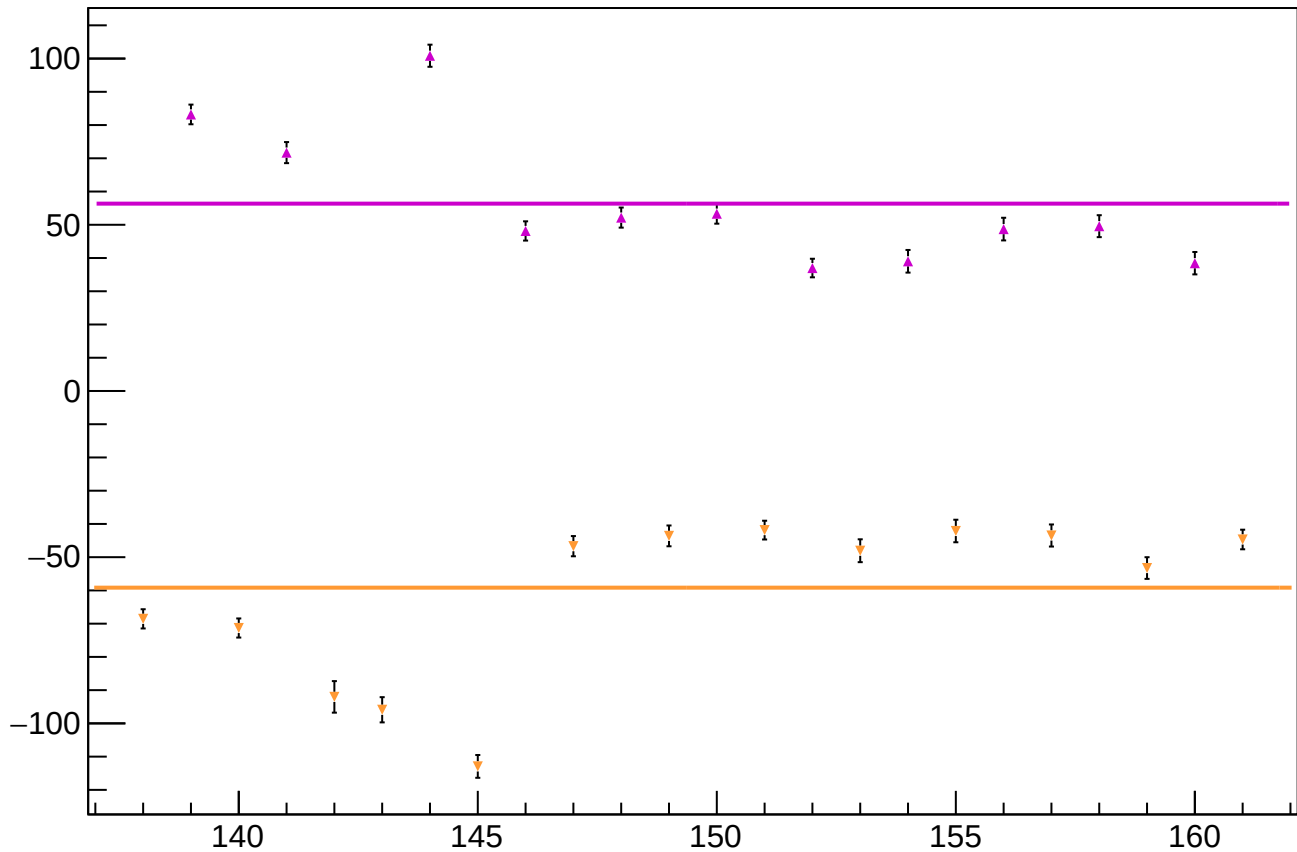
Left In: 305.555 ± 0.128 $\chi^2/\text{NDF}: 36032.4/10$

-251.008 ± 0.091 $\chi^2/\text{NDF}: 801237.5/29$

3.321 ± 0.064 $\chi^2/\text{NDF}: 16909335.9/59$

259.826 ± 0.091 $\chi^2/\text{NDF}: 409700.1/29$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -59.168+/-0.896 χ^2/NDF : 580.8/12

-59.168+/-0.896 χ^2/NDF : 580.8/12

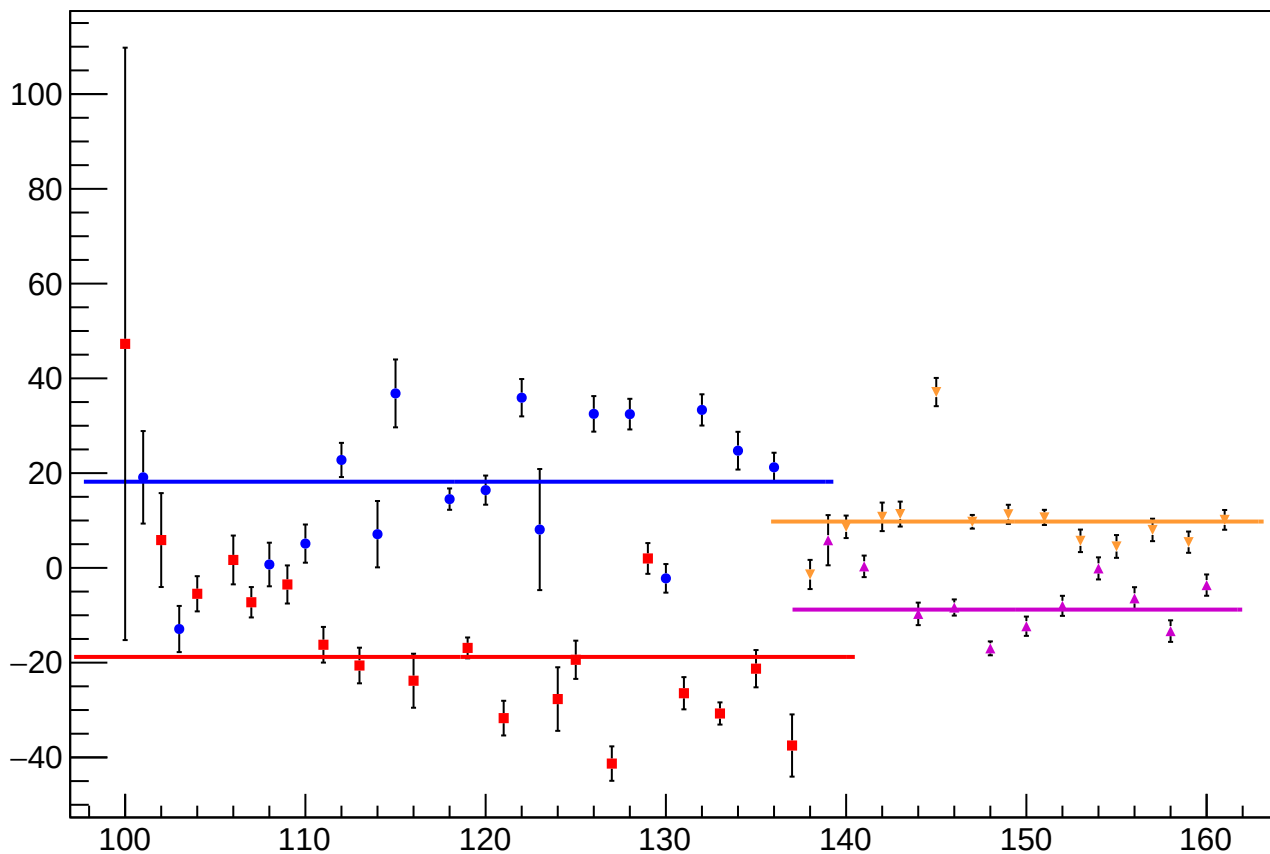
-4.396+/-0.649 χ^2/NDF : 8876.4/23

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

56.358+/-0.943 χ^2/NDF : 407.2/10

Left In: 56.358+/-0.943 χ^2/NDF : 407.2/10

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.781 ± 0.606 χ^2/NDF : 110.8/12

Right Out: -18.791 ± 0.863 χ^2/NDF : 198.8/18

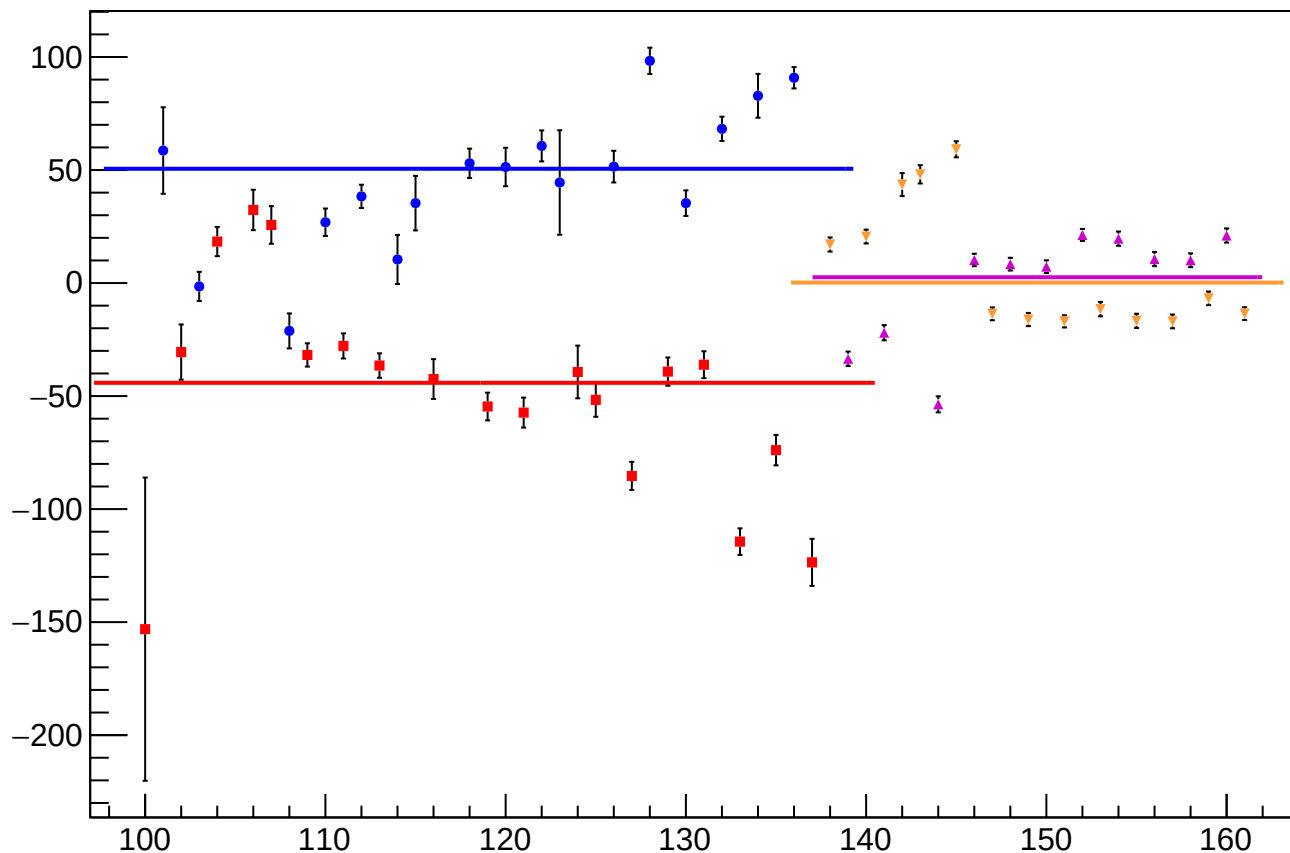
Left In: -8.805 ± 0.641 χ^2/NDF : 82.3/10

12.336 ± 0.506 χ^2/NDF : 374.2/29

0.206 ± 0.361 χ^2/NDF : 1913.1/59

-12.358 ± 0.515 χ^2/NDF : 367.3/29

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: 0.209 $\pm$ 0.875 χ^2 /NDF: 758.0/12

Right Out: -44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

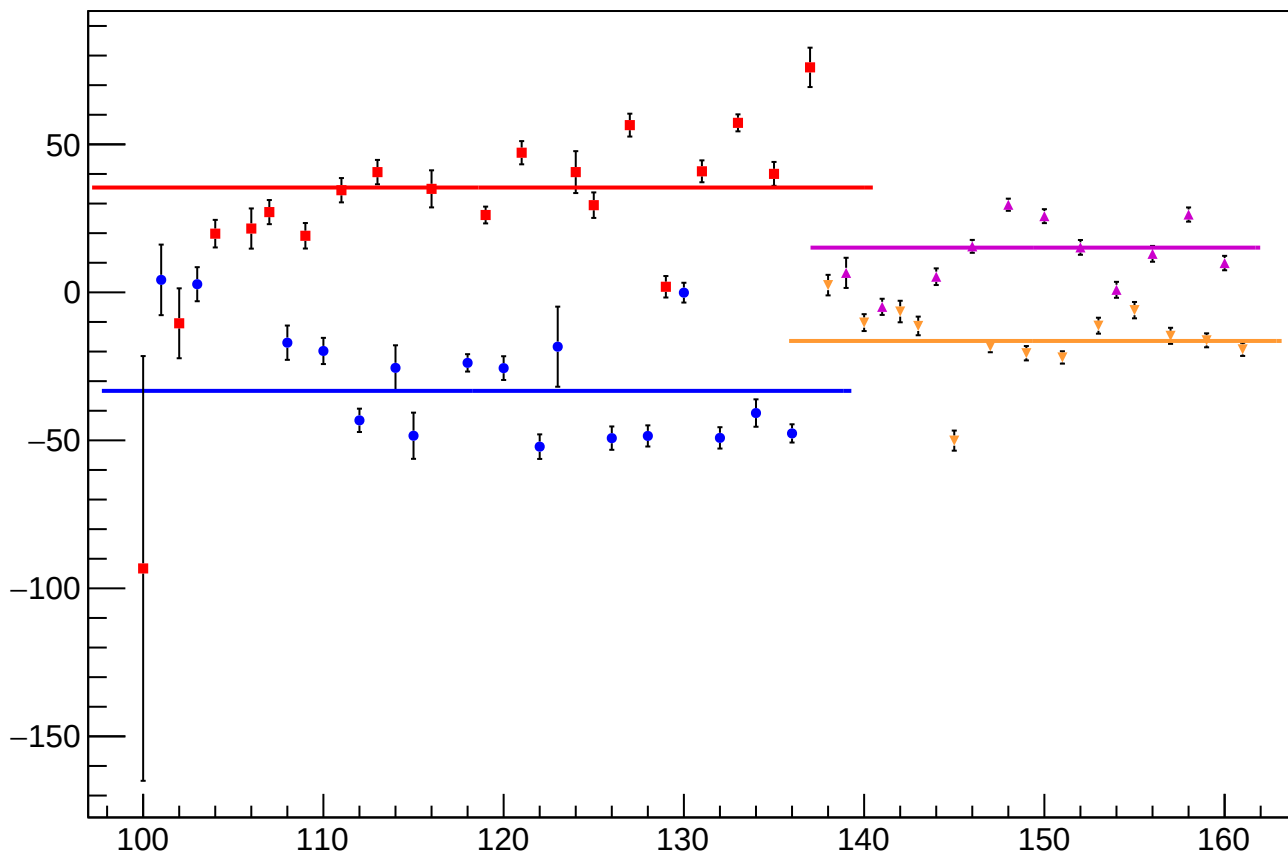
Left In: 2.580 $\pm$ 0.915 χ^2 /NDF: 569.0/10

10.988 $\pm$ 0.776 χ^2 /NDF: 1824.1/29

1.275 $\pm$ 0.555 χ^2 /NDF: 3887.2/59

-8.902 $\pm$ 0.795 χ^2 /NDF: 1742.4/29

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.418 ± 0.724 χ^2/NDF : 173.3/12

Right Out: 35.417 ± 0.991 χ^2/NDF : 289.7/18

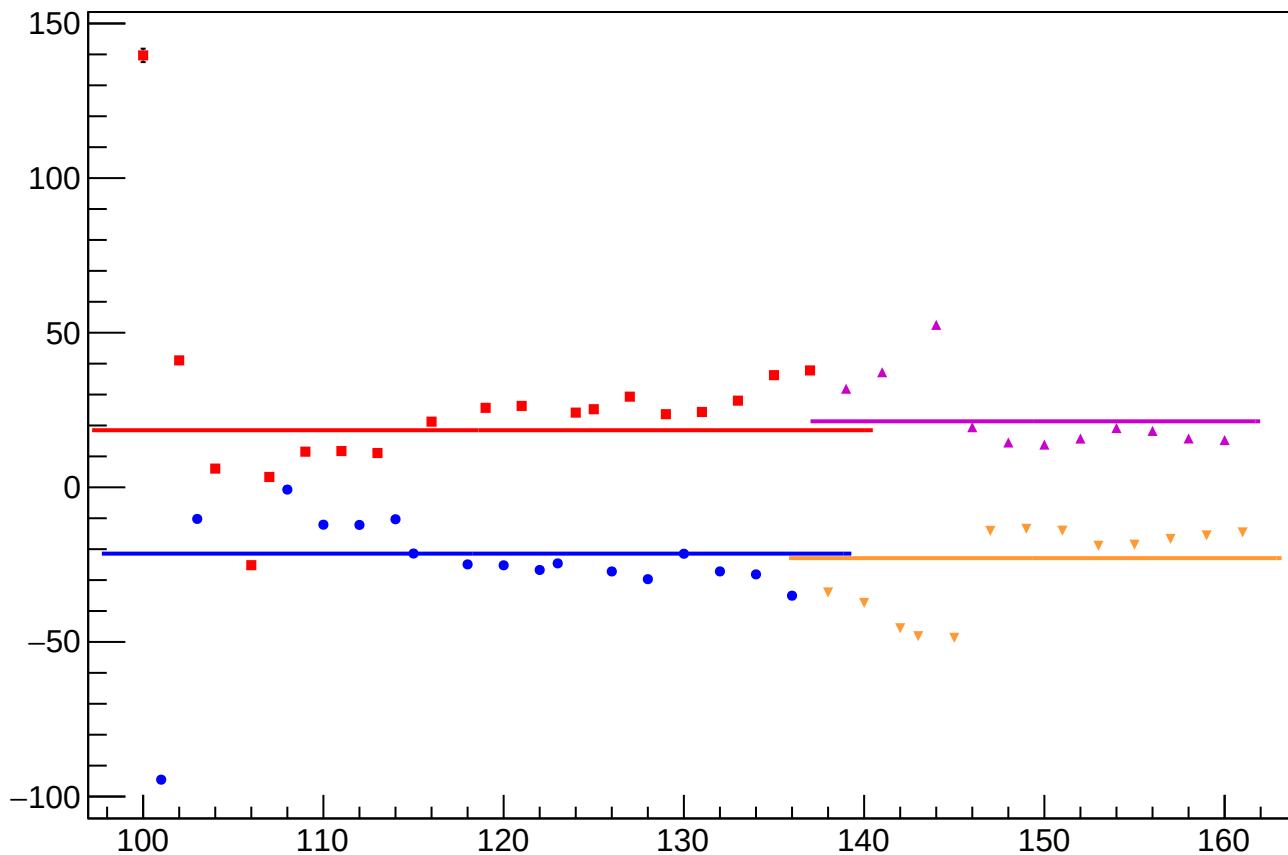
Left In: 15.112 ± 0.766 χ^2/NDF : 193.9/10

-21.898 ± 0.595 χ^2/NDF : 639.7/29

-0.011 ± 0.424 χ^2/NDF : 4144.5/59

22.697 ± 0.606 χ^2/NDF : 746.4/29

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -22.903 ± 0.034 $\chi^2/\text{NDF}: 123346.4/12$

Right Out: 18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

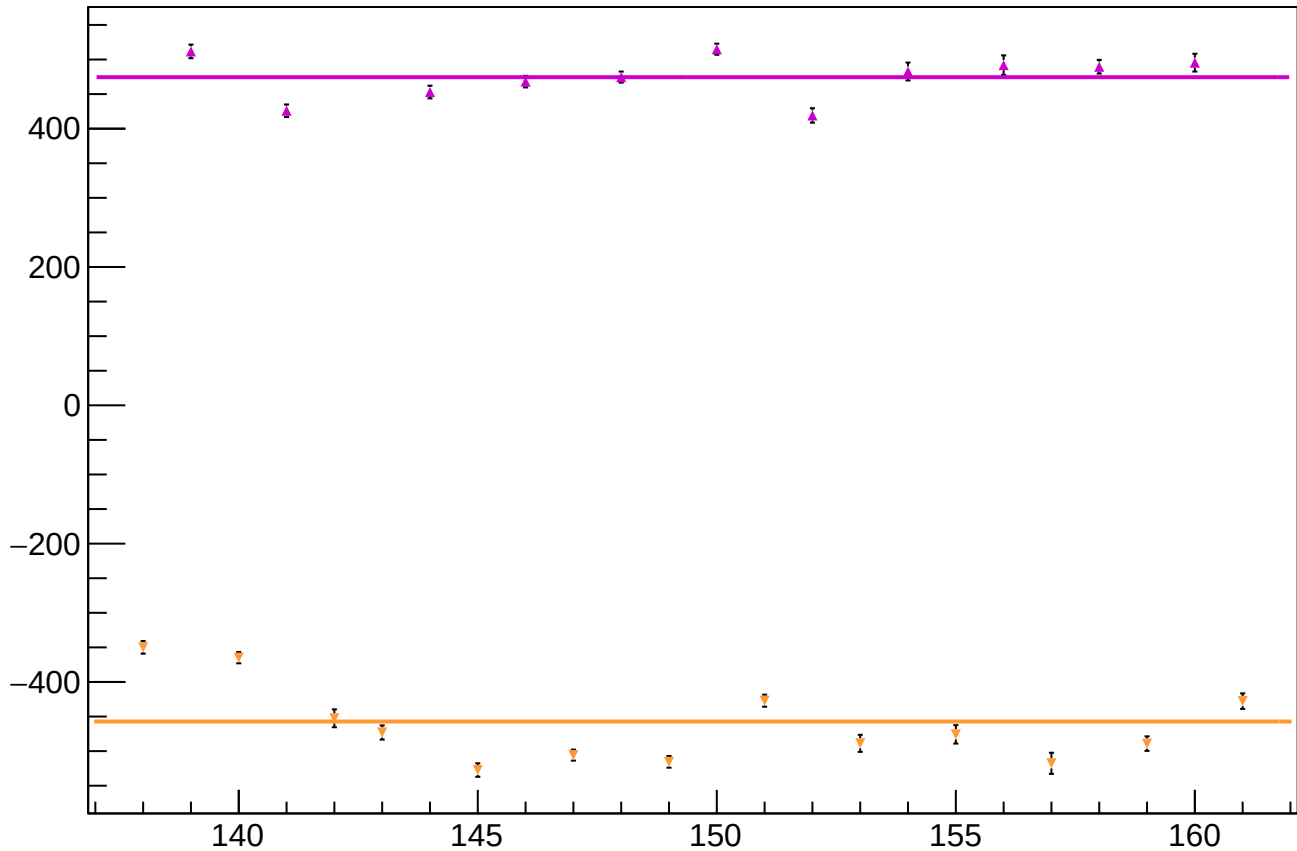
Left In: 21.347 ± 0.036 $\chi^2/\text{NDF}: 79332.2/10$

-22.536 ± 0.030 $\chi^2/\text{NDF}: 172774.9/29$

-1.469 ± 0.021 $\chi^2/\text{NDF}: 1374973.7/59$

20.549 ± 0.030 $\chi^2/\text{NDF}: 161629.6/29$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -457.207+/-2.784 χ^2/NDF : 454.9/12

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

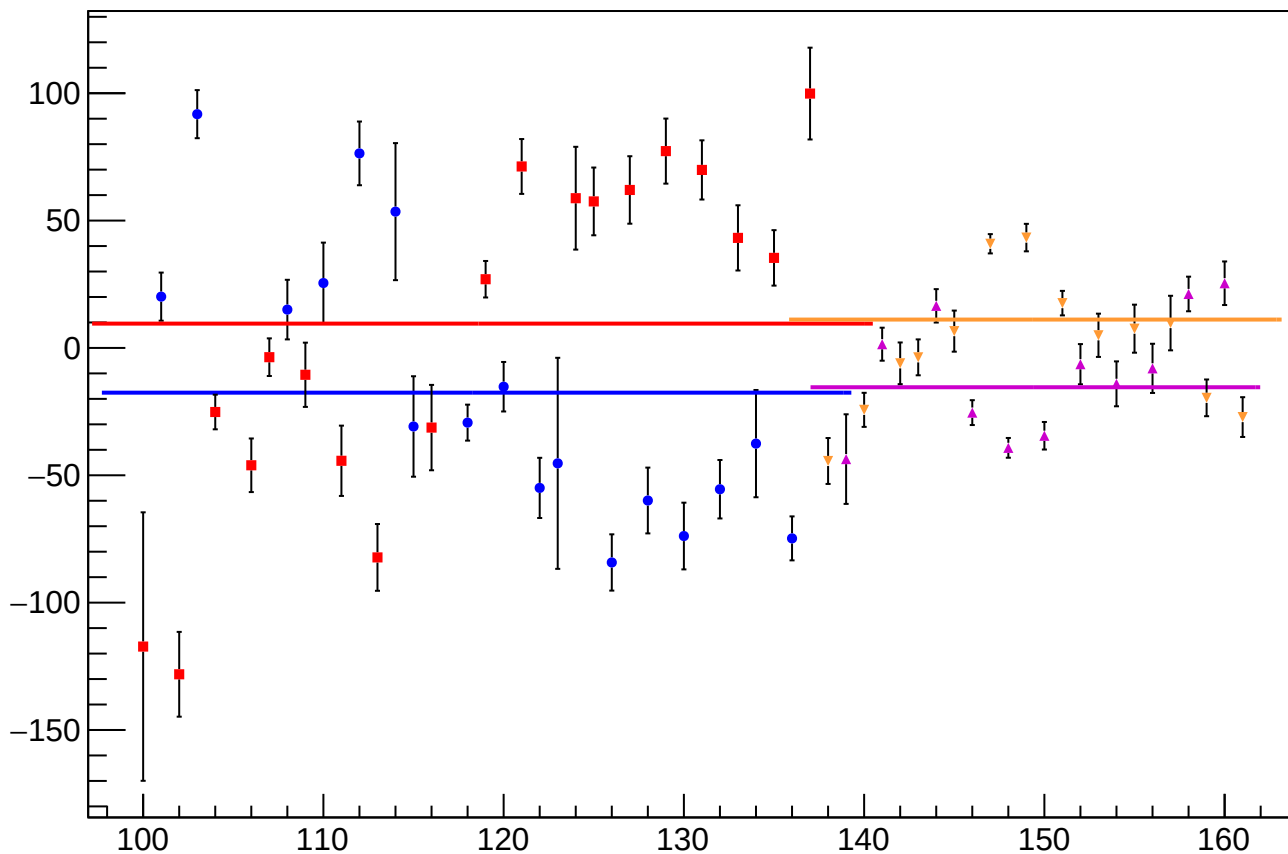
Left In: 474.445+/-2.938 χ^2/NDF : 109.1/10

-457.207+/-2.784 χ^2/NDF : 454.9/12

-16.487+/-2.021 χ^2/NDF : 53536.1/23

474.445+/-2.938 χ^2/NDF : 109.1/10

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 11.137 ± 1.820 χ^2/NDF : 217.2/12

Right Out: 9.547 ± 2.609 χ^2/NDF : 370.3/18

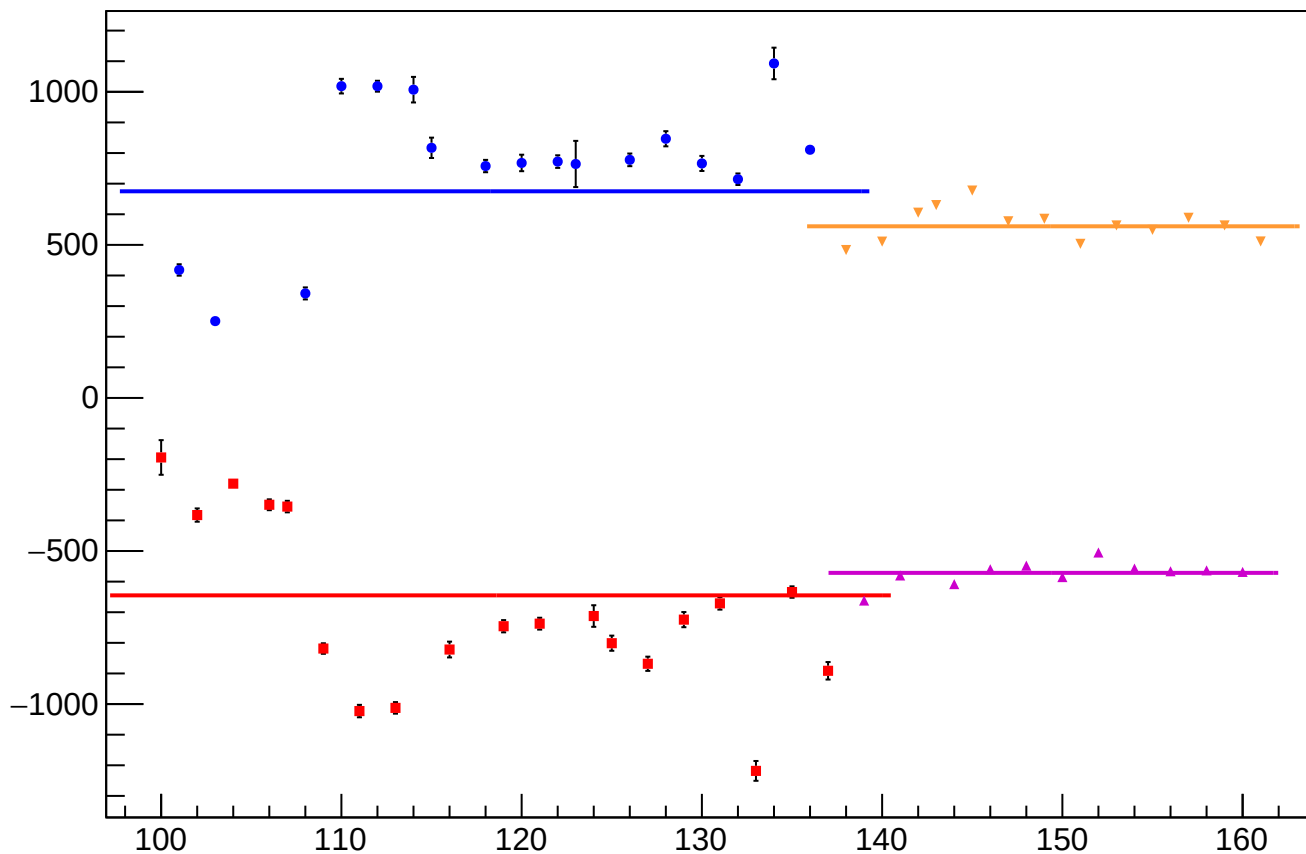
Left In: -15.433 ± 1.933 χ^2/NDF : 141.0/10

2.696 ± 1.529 χ^2/NDF : 654.0/29

-1.872 ± 1.090 χ^2/NDF : 1242.6/59

-6.582 ± 1.553 χ^2/NDF : 570.4/29

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 $\pm$ 5.067 χ^2/NDF : 2584.3/16

Left Out: 560.691 $\pm$ 2.741 χ^2/NDF :360.1/12

Right Out: -644.915 $\pm$ 4.761 χ^2/NDF : 3122.2/18

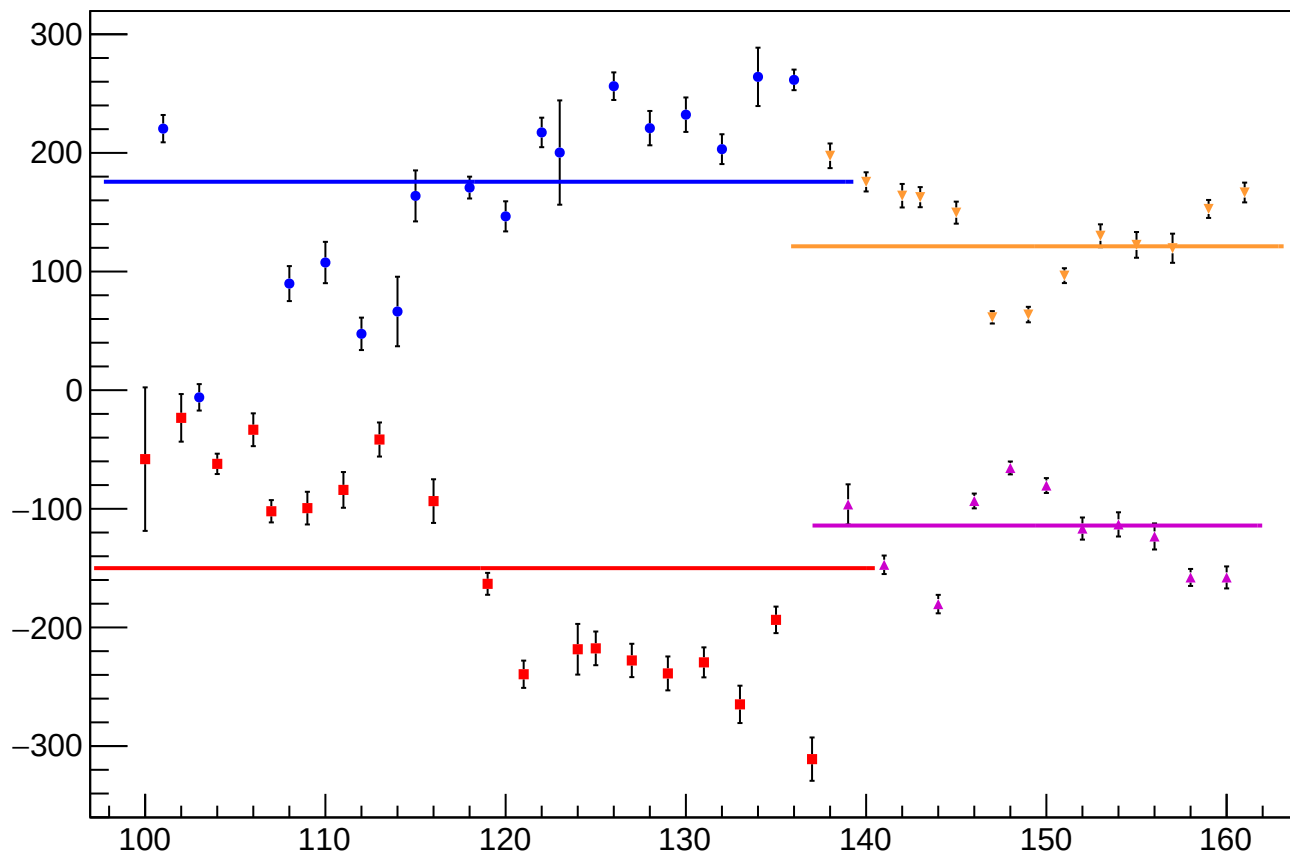
Left In: -571.408 $\pm$ 2.858 χ^2/NDF :148.7/10

586.572 $\pm$ 2.411 χ^2/NDF : 3338.4/29

7.471 $\pm$ 1.719 χ^2/NDF : 124111.3/59

-590.879 $\pm$ 2.450 χ^2/NDF : 3446.0/29

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 121.273 ± 2.216 χ^2/NDF : 423.3/12

Right Out: -150.017 ± 3.042 χ^2/NDF : 693.8/18

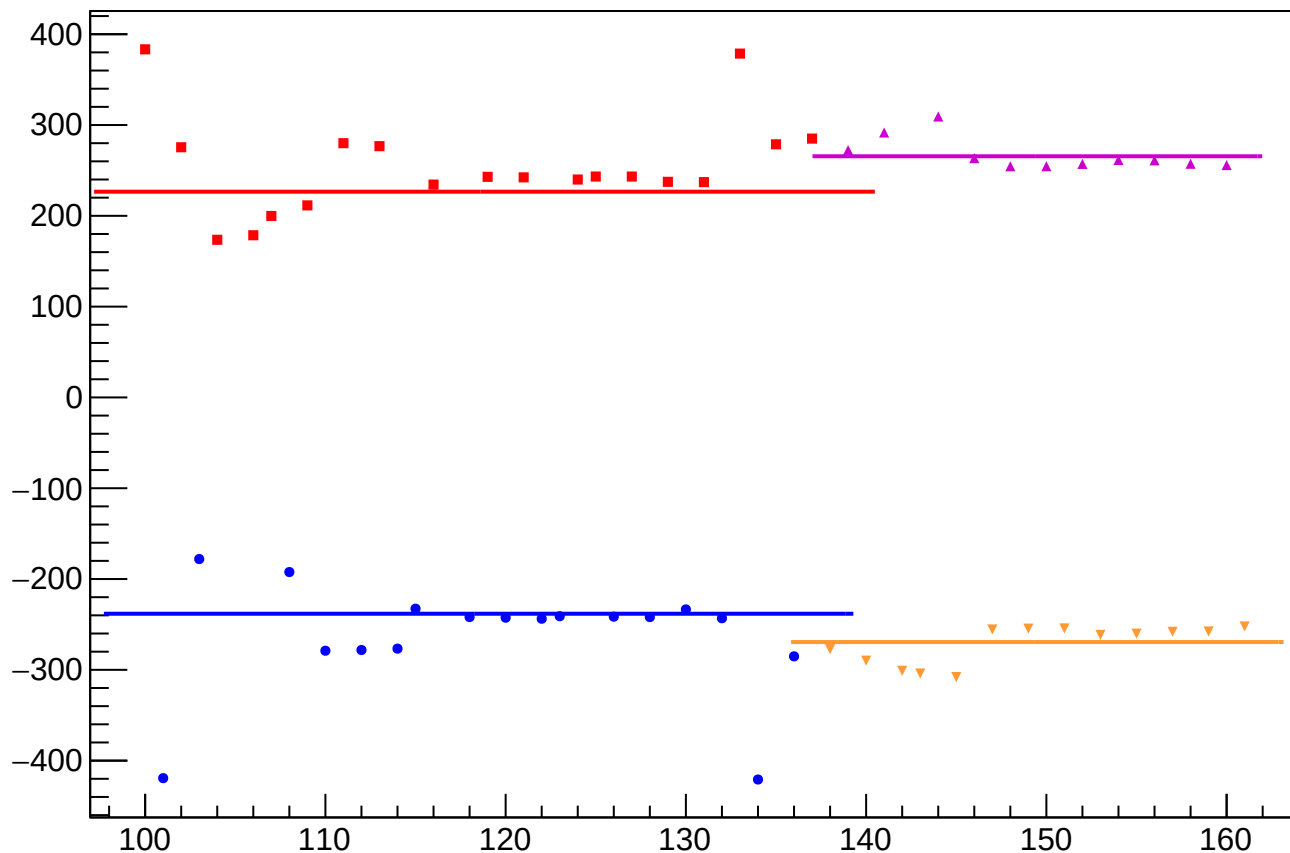
Left In: -114.104 ± 2.346 χ^2/NDF : 271.5/10

138.627 ± 1.829 χ^2/NDF : 1253.5/29

7.619 ± 1.303 χ^2/NDF : 12727.6/59

-127.494 ± 1.857 χ^2/NDF : 1052.6/29

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -269.381 ± 0.110 χ^2/NDF : 31159.6/12

Right Out: 226.597 ± 0.151 χ^2/NDF : 102562.3/18

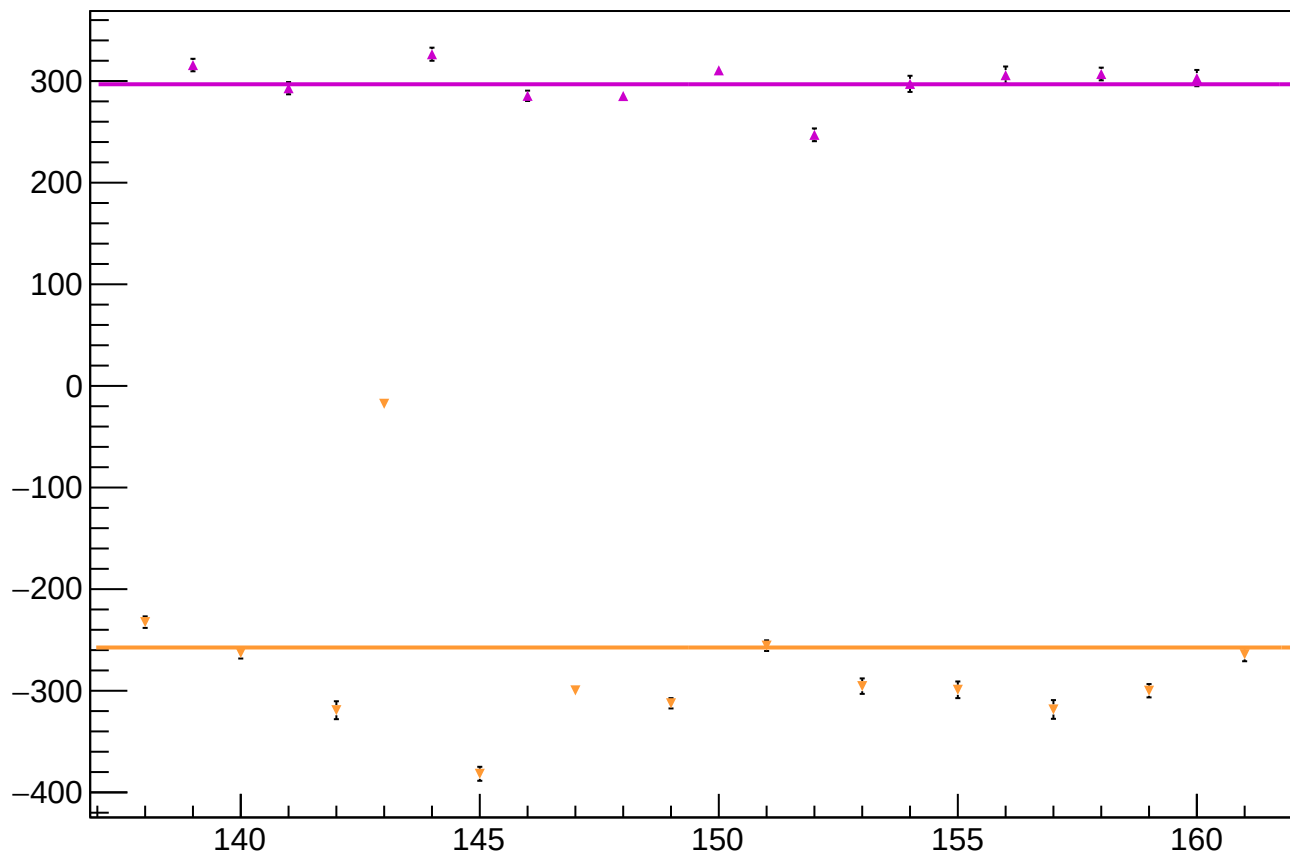
Left In: 265.588 ± 0.114 χ^2/NDF : 19322.9/10

-259.384 ± 0.091 χ^2/NDF : 223900.6/29

-3.806 ± 0.064 χ^2/NDF : 16197443.7/59

251.520 ± 0.091 χ^2/NDF : 164377.2/29

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -257.418+/-1.703 χ^2/NDF : 3075.8/12

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

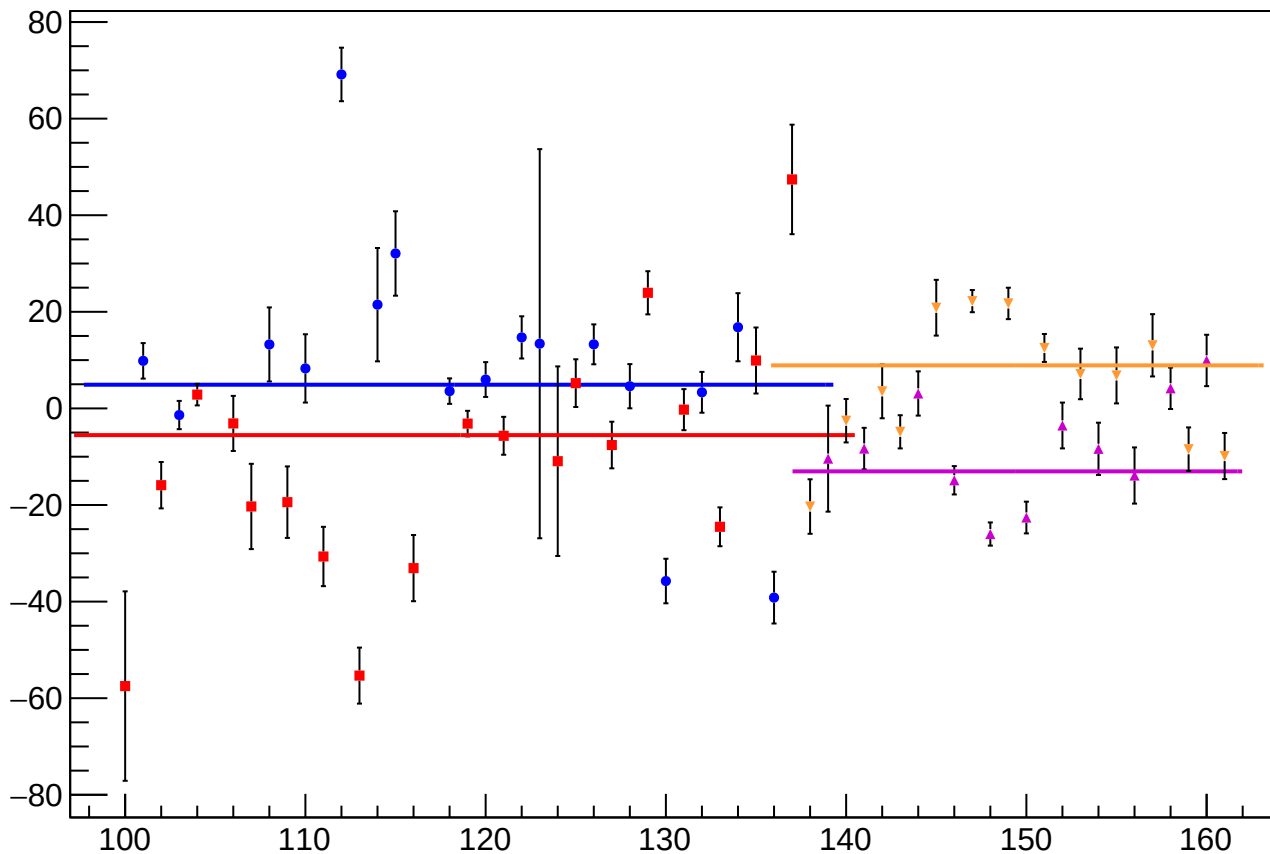
Left In: 296.852+/-1.839 χ^2/NDF : 116.3/10

-257.418+/-1.703 χ^2/NDF : 3075.8/12

-1.506+/-1.249 χ^2/NDF : 52112.3/23

296.852+/-1.839 χ^2/NDF : 116.3/10

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: 8.911 ± 1.108 χ^2/NDF : 136.1/12

Right Out: -5.530 ± 1.069 χ^2/NDF : 238.9/18

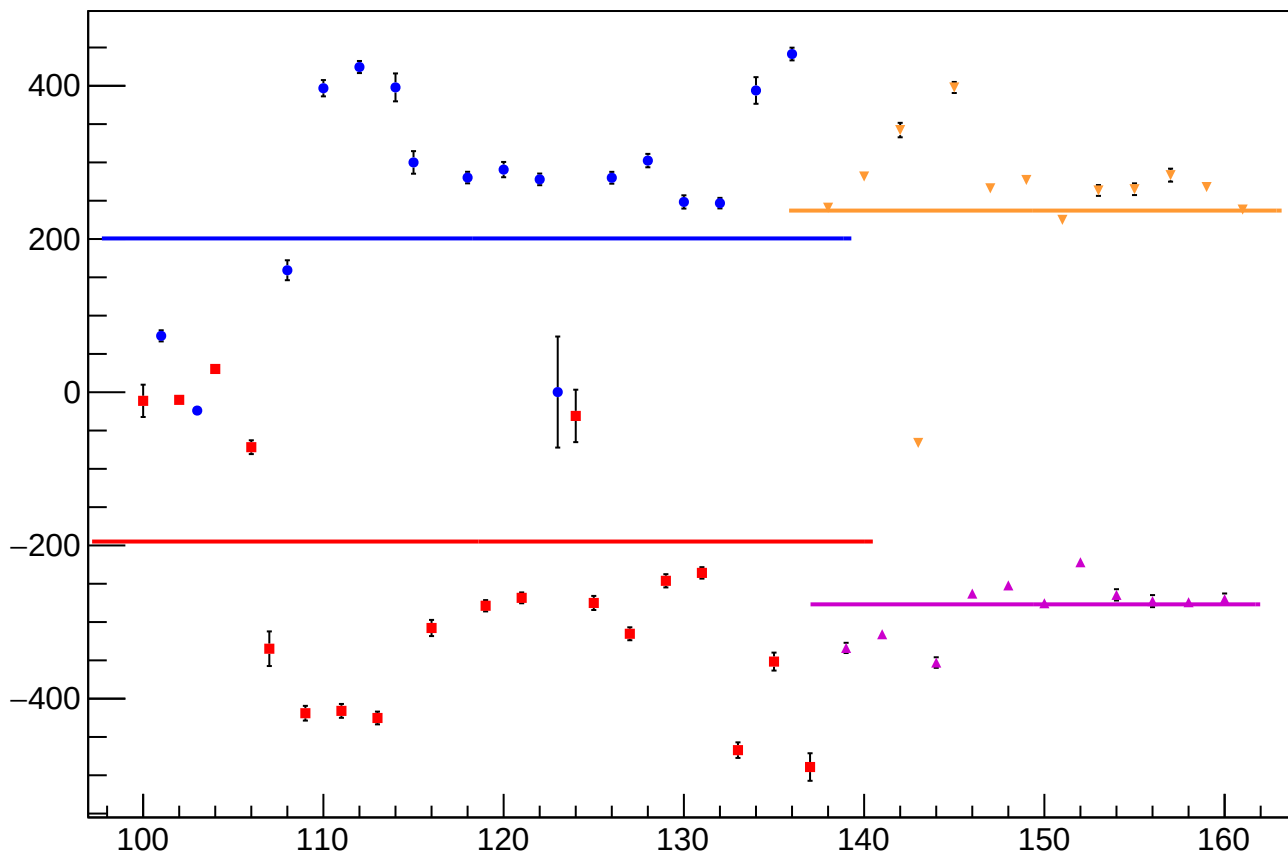
Left In: -13.037 ± 1.204 χ^2/NDF : 91.2/10

6.903 ± 0.783 χ^2/NDF : 454.3/29

-0.803 ± 0.559 χ^2/NDF : 1004.3/59

-8.838 ± 0.799 χ^2/NDF : 351.9/29

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: 237.131 $\pm$ 1.675 χ^2/NDF : 4176.6/12

Right Out: -194.892 $\pm$ 1.924 χ^2/NDF : 8247.1/18

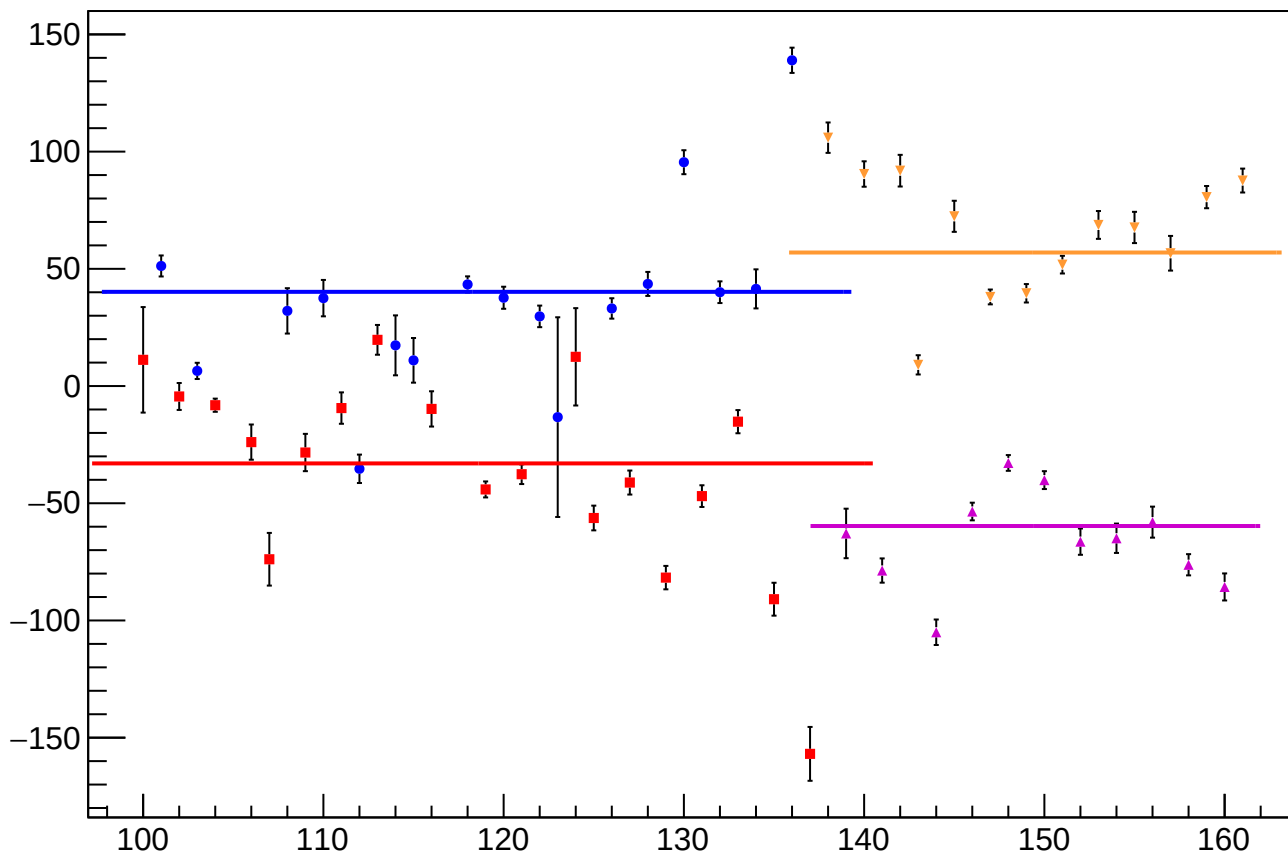
Left In: -276.887 $\pm$ 1.782 χ^2/NDF : 355.8/10

221.993 $\pm$ 1.280 χ^2/NDF : 11105.7/29

-3.607 $\pm$ 0.914 χ^2/NDF : 84196.9/59

-239.028 $\pm$ 1.307 χ^2/NDF : 9580.7/29

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 56.962 ± 1.350 $\chi^2/\text{NDF}: 388.2/12$

Right Out: -33.006 ± 1.250 $\chi^2/\text{NDF}: 552.7/18$

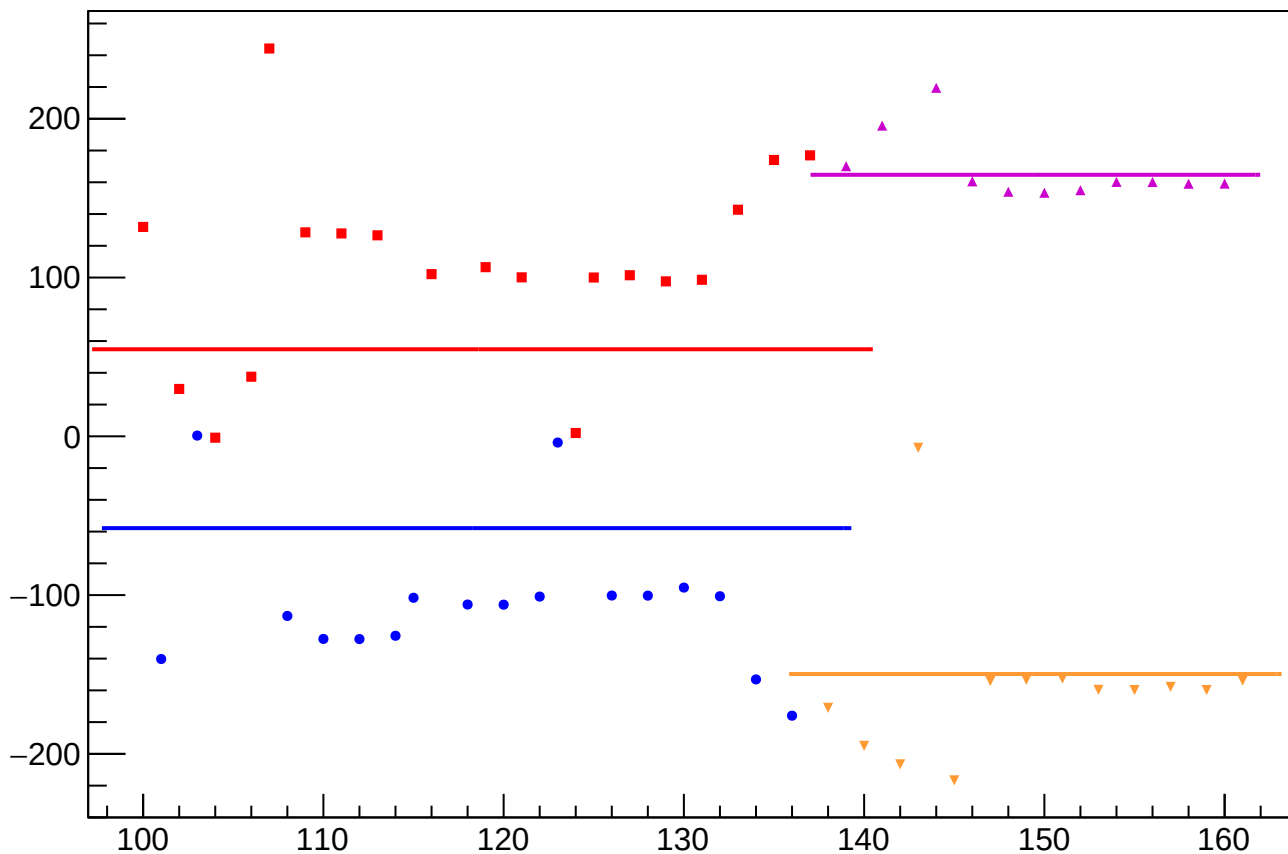
Left In: -59.707 ± 1.463 $\chi^2/\text{NDF}: 212.1/10$

48.146 ± 0.930 $\chi^2/\text{NDF}: 1203.9/29$

2.938 ± 0.665 $\chi^2/\text{NDF}: 6990.7/59$

-44.276 ± 0.951 $\chi^2/\text{NDF}: 957.2/29$

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: -149.685 +/- 0.067 χ^2/NDF : 578891.2/12

Right Out: 54.833 +/- 0.060 χ^2/NDF : 1000741.7/18

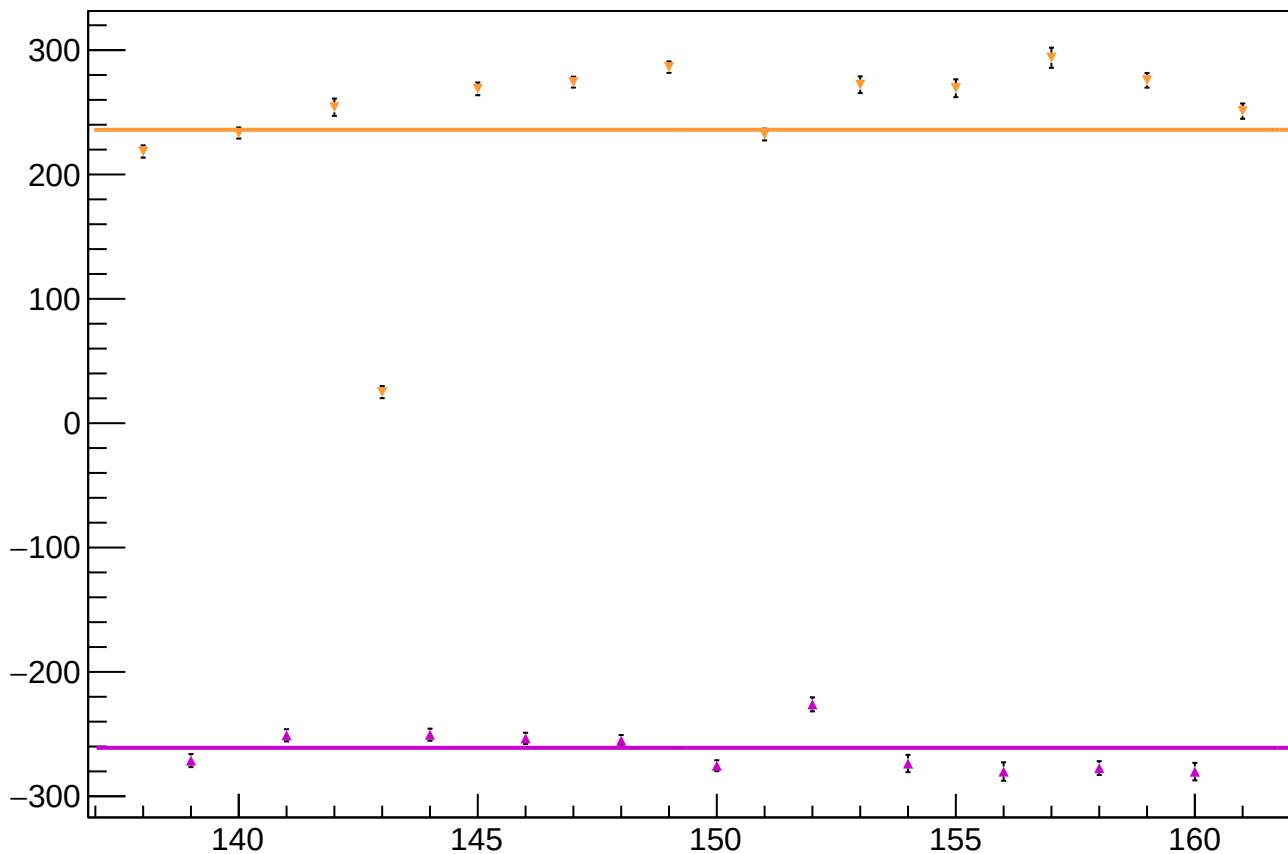
Left In: 164.722 +/- 0.071 χ^2/NDF : 57717.6/10

-99.802 +/- 0.046 χ^2/NDF : 2690341.1/29

-0.140 +/- 0.032 χ^2/NDF : 14800591.8/59

100.999 +/- 0.046 χ^2/NDF : 2456792.3/29

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 235.923 $\pm$ 1.495 χ^2/NDF : 2288.6/12

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

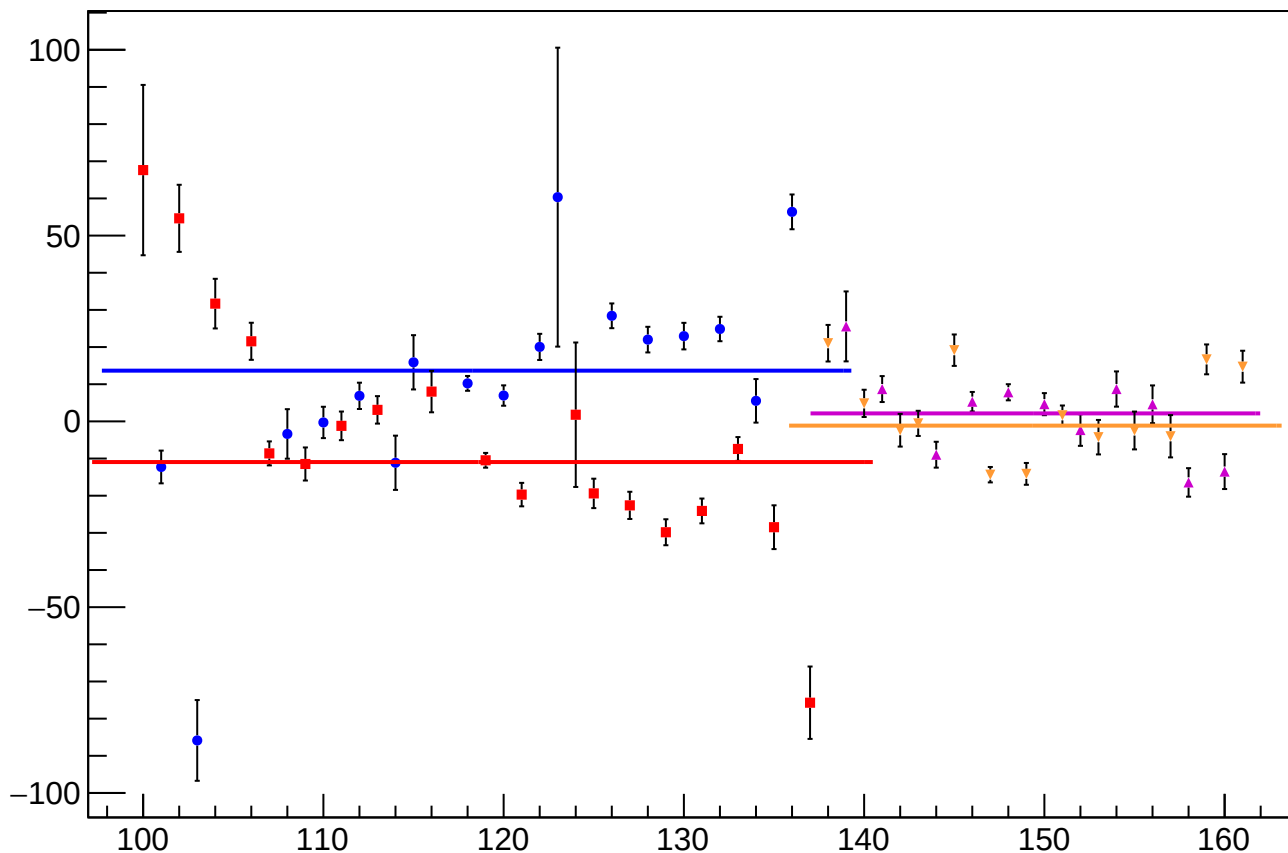
Left In: -261.051 $\pm$ 1.595 χ^2/NDF : 92.0/10

235.923 $\pm$ 1.495 χ^2/NDF : 2288.6/12

3.478 $\pm$ 1.091 χ^2/NDF : 54045.0/23

-261.051 $\pm$ 1.595 χ^2/NDF : 92.0/10

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: -1.141 ± 0.983 χ^2/NDF : 141.3/12

Right Out: -10.944 ± 0.913 χ^2/NDF : 302.5/18

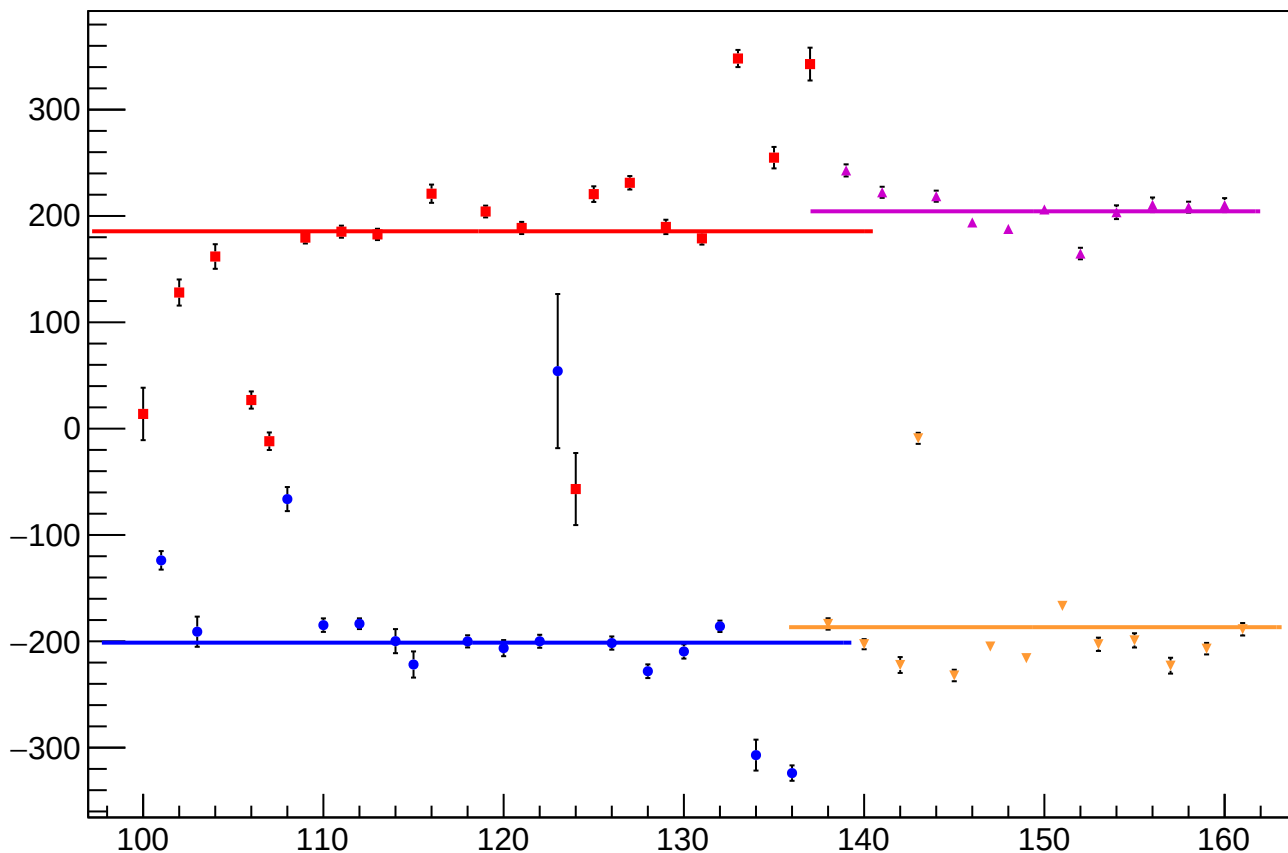
Left In: 2.147 ± 1.055 χ^2/NDF : 66.7/10

6.617 ± 0.678 χ^2/NDF : 554.1/29

0.749 ± 0.484 χ^2/NDF : 1163.9/59

-5.337 ± 0.690 χ^2/NDF : 457.3/29

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266+/-1.795 χ^2/NDF : 623.4/16

Left Out: -186.711+/-1.476 χ^2/NDF :1404.5/12

Right Out: 185.593+/-1.699 χ^2/NDF : 1746.0/18

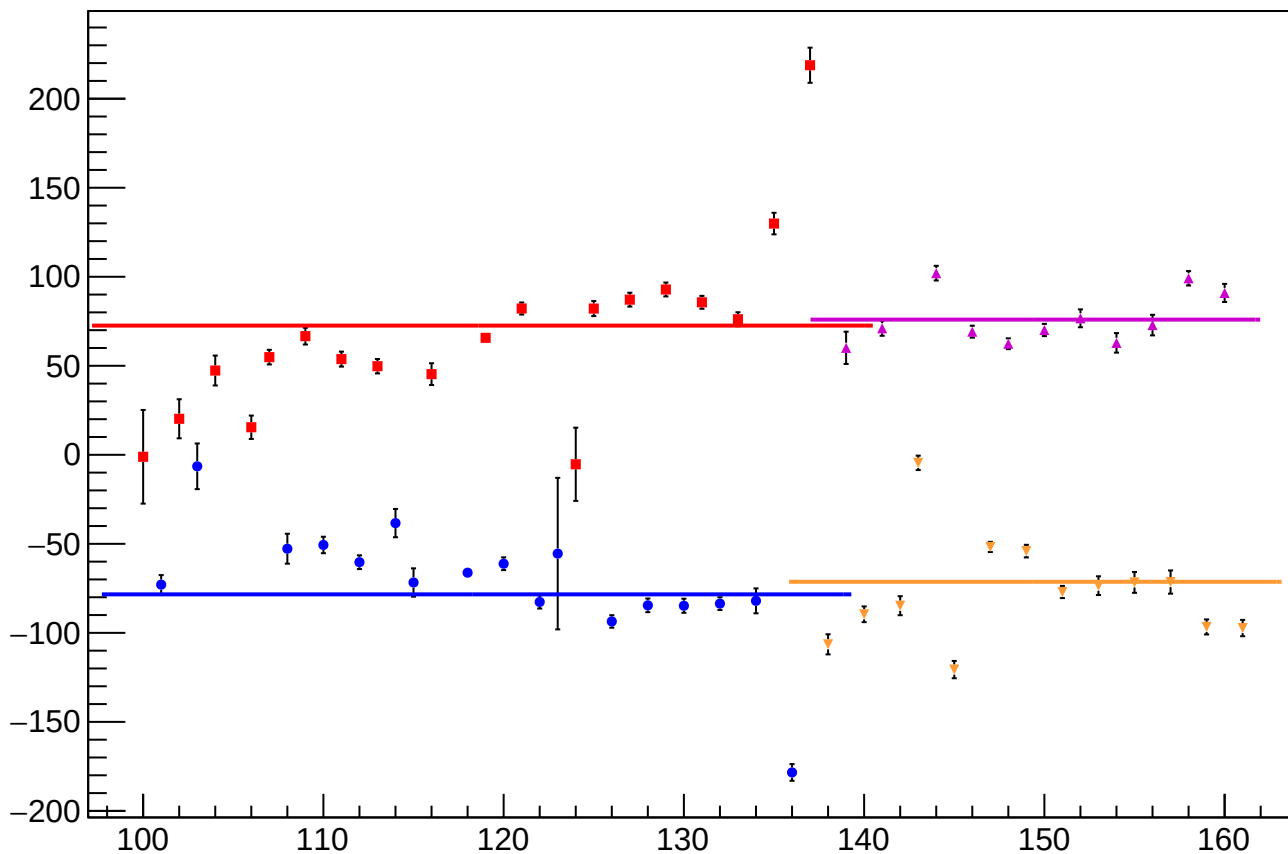
Left In: 204.377+/-1.554 χ^2/NDF :142.4/10

-192.580+/-1.140 χ^2/NDF : 2067.1/29

0.499+/-0.808 χ^2/NDF : 61717.2/59

195.823+/-1.147 χ^2/NDF : 1955.0/29

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: -71.307 ± 1.195 χ^2/NDF : 579.1/12

Right Out: 72.577 ± 1.052 χ^2/NDF : 605.8/18

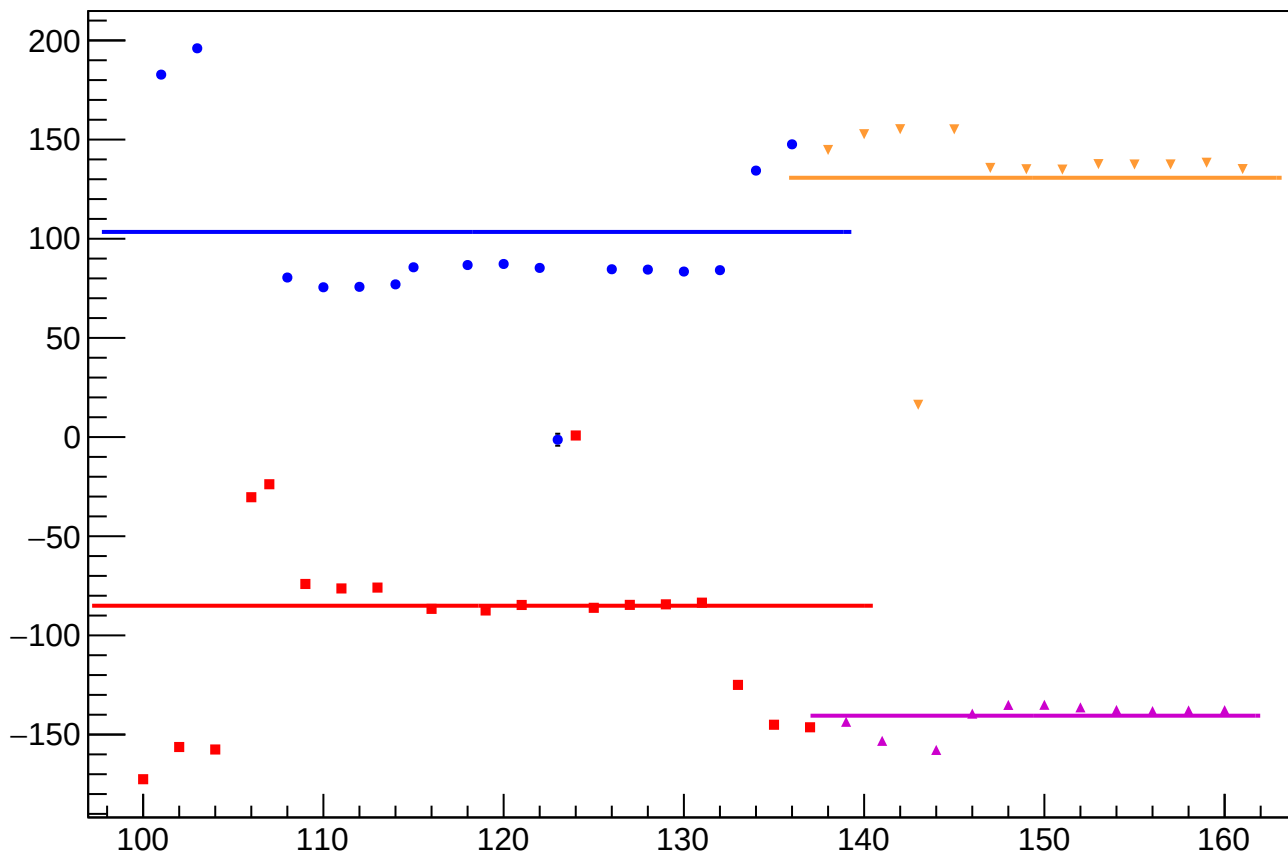
Left In: 75.932 ± 1.279 χ^2/NDF : 118.7/10

-75.194 ± 0.802 χ^2/NDF : 1249.7/29

-1.595 ± 0.571 χ^2/NDF : 19047.3/59

73.930 ± 0.812 χ^2/NDF : 728.6/29

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: 130.746 $\pm$ 0.059 χ^2 /NDF: 344326.1/12

Right Out: -85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

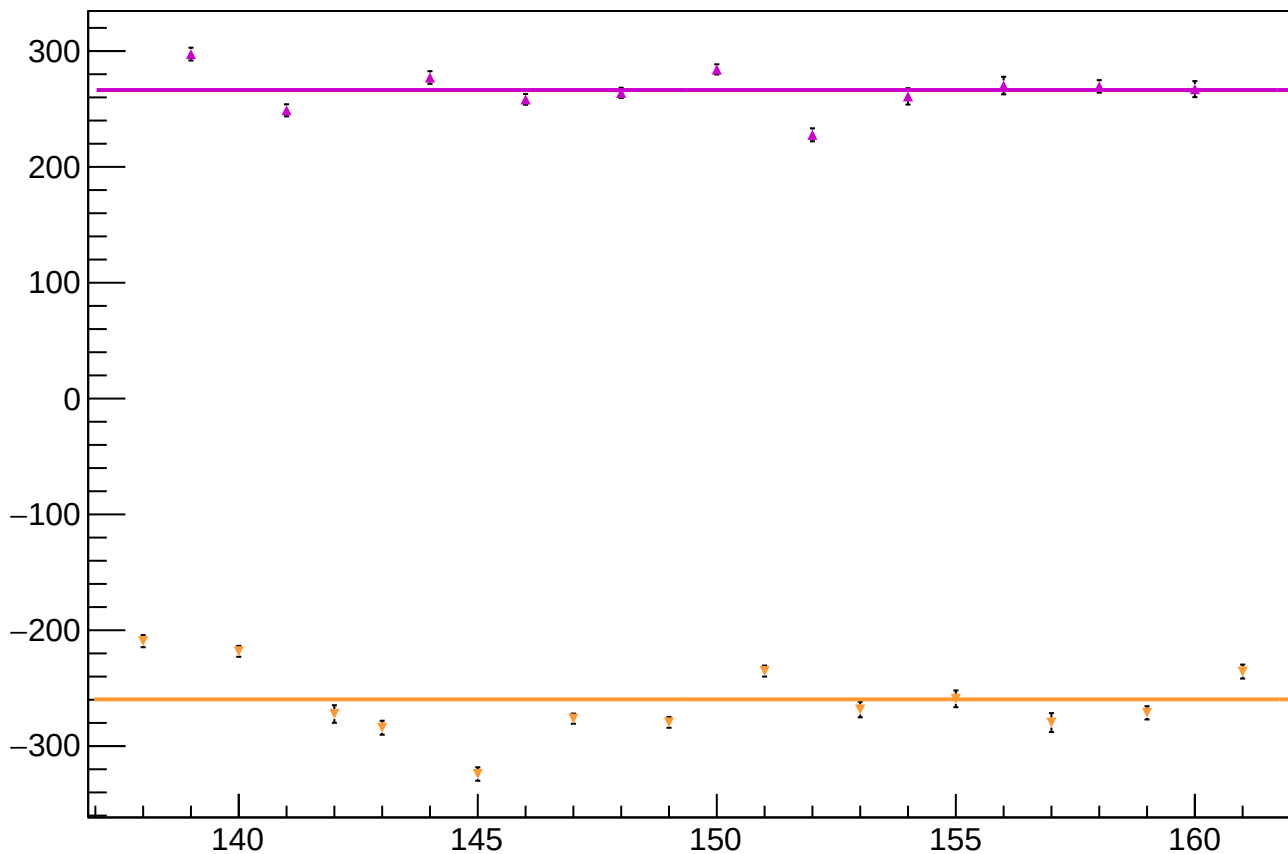
Left In: -140.491 $\pm$ 0.062 χ^2 /NDF: 12502.7/10

119.507 $\pm$ 0.045 χ^2 /NDF: 704474.6/29

0.018 $\pm$ 0.032 χ^2 /NDF: 15004778.7/59

-113.649 $\pm$ 0.044 χ^2 /NDF: 825264.2/29

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -259.645+/-1.557 χ^2/NDF : 397.8/12

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

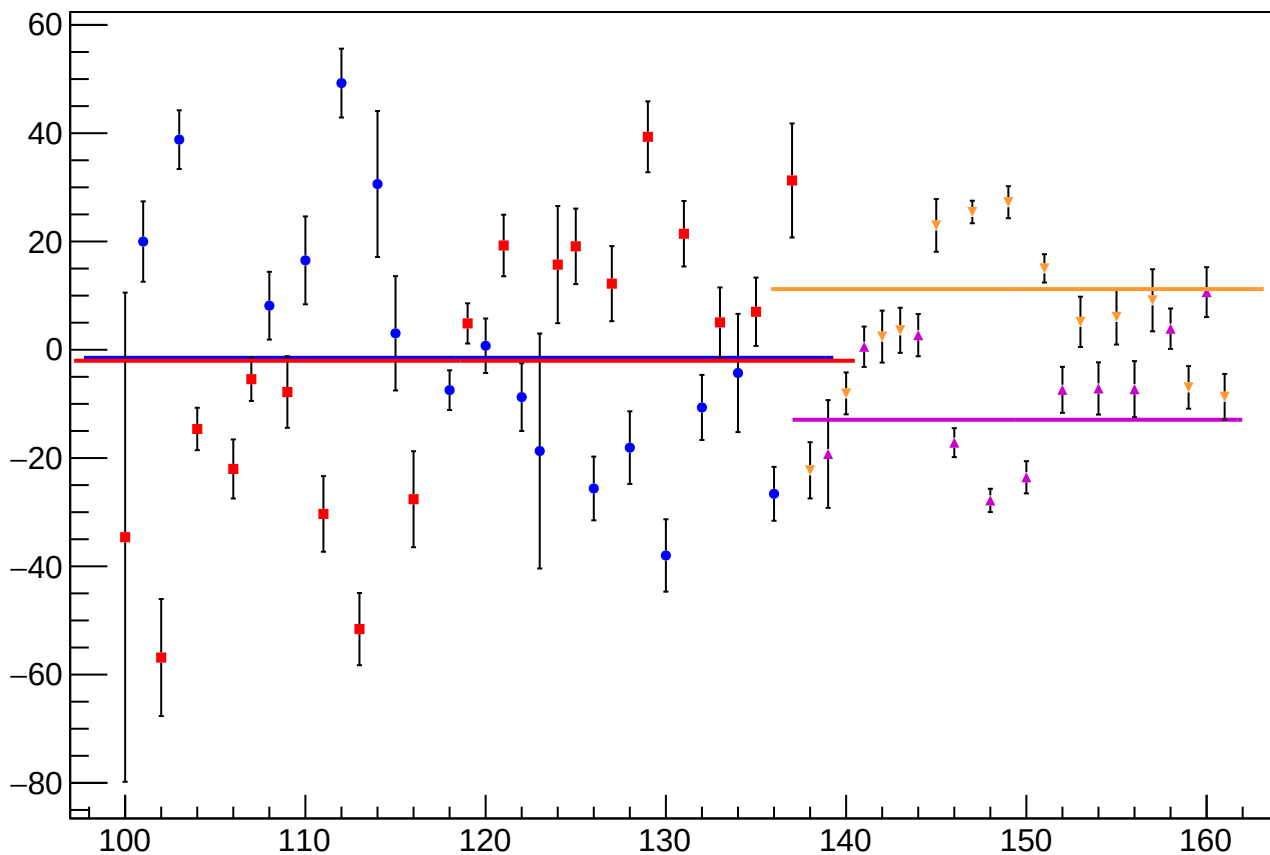
Left In: 266.348+/-1.633 χ^2/NDF : 114.2/10

-259.645+/-1.557 χ^2/NDF : 397.8/12

-9.206+/-1.127 χ^2/NDF : 54837.0/23

266.348+/-1.633 χ^2/NDF : 114.2/10

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 11.207 ± 1.013 χ^2/NDF : 203.7/12

Right Out: -2.028 ± 1.400 χ^2/NDF : 233.3/18

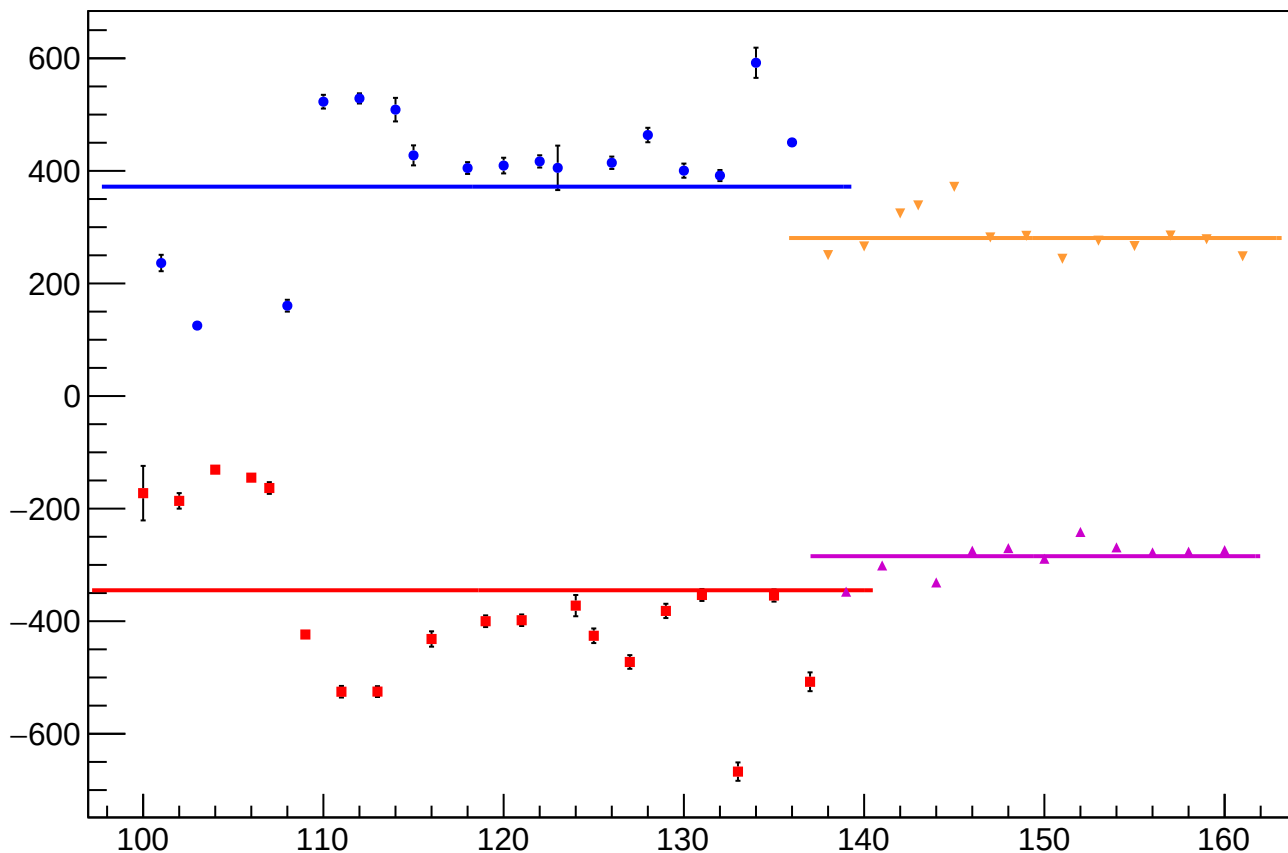
Left In: -12.924 ± 1.071 χ^2/NDF : 143.6/10

7.360 ± 0.846 χ^2/NDF : 477.3/29

-0.720 ± 0.600 χ^2/NDF : 1076.2/59

-8.898 ± 0.851 χ^2/NDF : 415.1/29

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: 280.723 ± 1.526 χ^2/NDF : 473.0/12

Right Out: -345.043 ± 2.562 χ^2/NDF : 3415.2/18

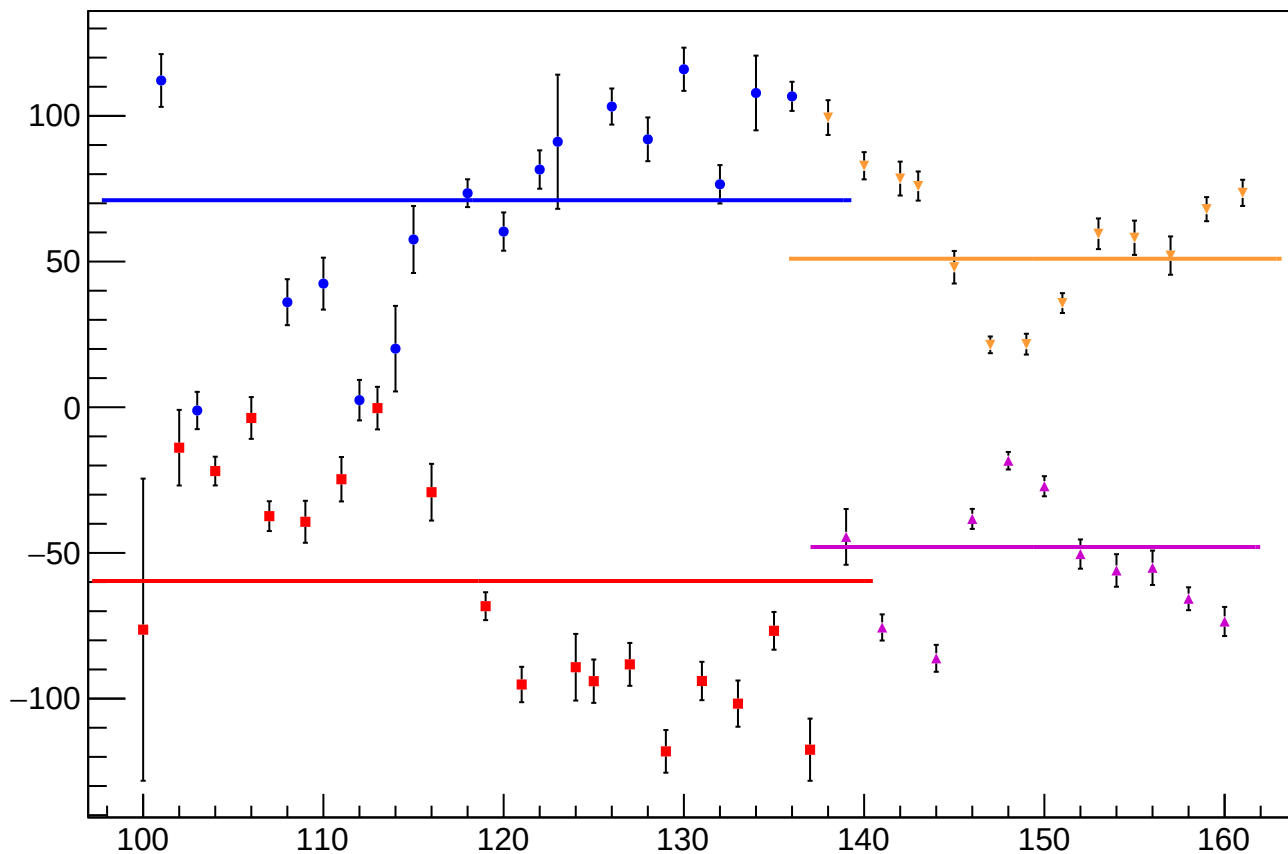
Left In: -284.500 ± 1.584 χ^2/NDF : 275.2/10

301.889 ± 1.338 χ^2/NDF : 3734.5/29

2.494 ± 0.949 χ^2/NDF : 108730.1/59

-301.245 ± 1.347 χ^2/NDF : 4094.3/29

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056+/-1.764 χ^2/NDF : 426.2/16

Left Out: 50.970+/-1.233 χ^2/NDF : 399.7/12

Right Out: -59.637+/-1.631 χ^2/NDF : 491.6/18

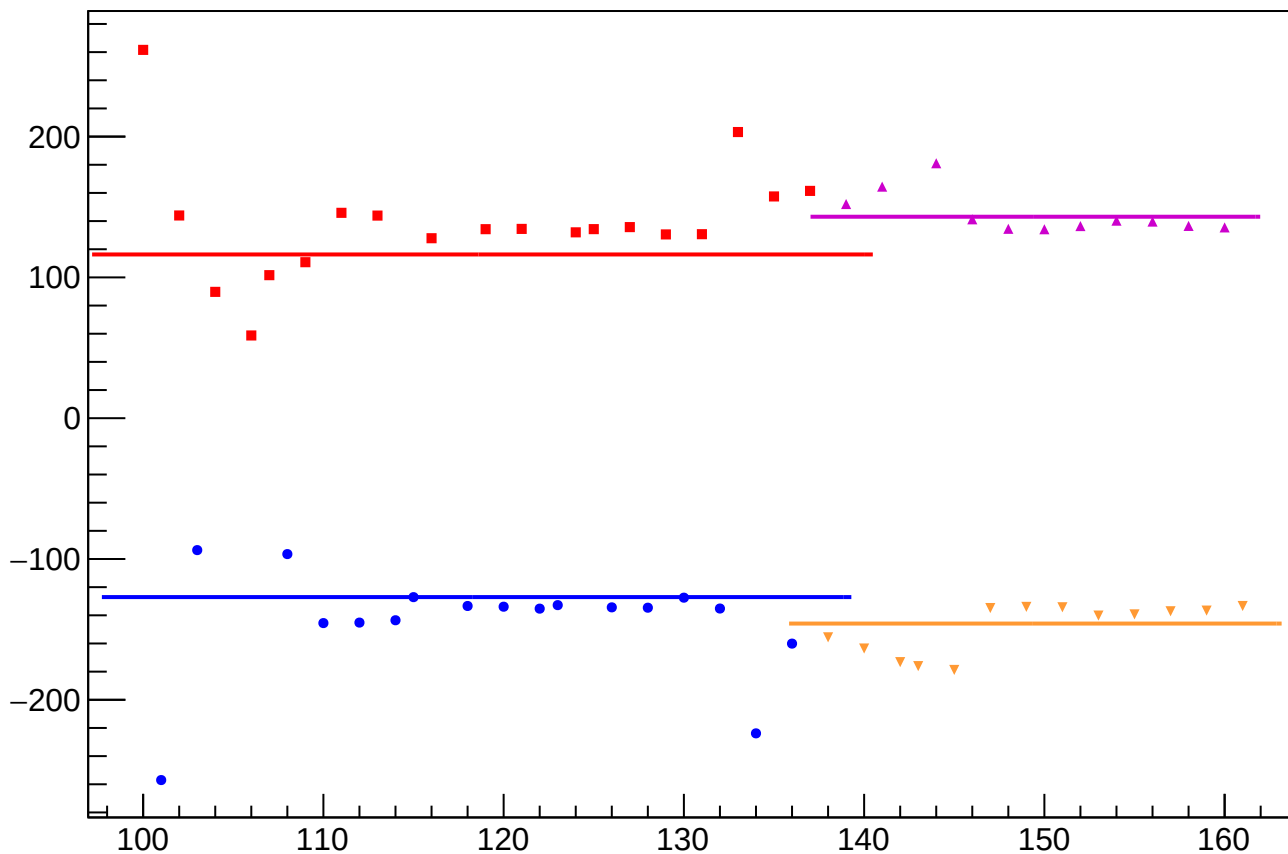
Left In: -47.971+/-1.300 χ^2/NDF : 297.9/10

57.565+/-1.011 χ^2/NDF : 913.0/29

2.842+/-0.717 χ^2/NDF : 7629.1/59

-52.502+/-1.017 χ^2/NDF : 820.9/29

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -145.857+/-0.061 χ^2/NDF : 66664.4/12

Right Out: 116.295+/-0.083 χ^2/NDF : 167109.1/18

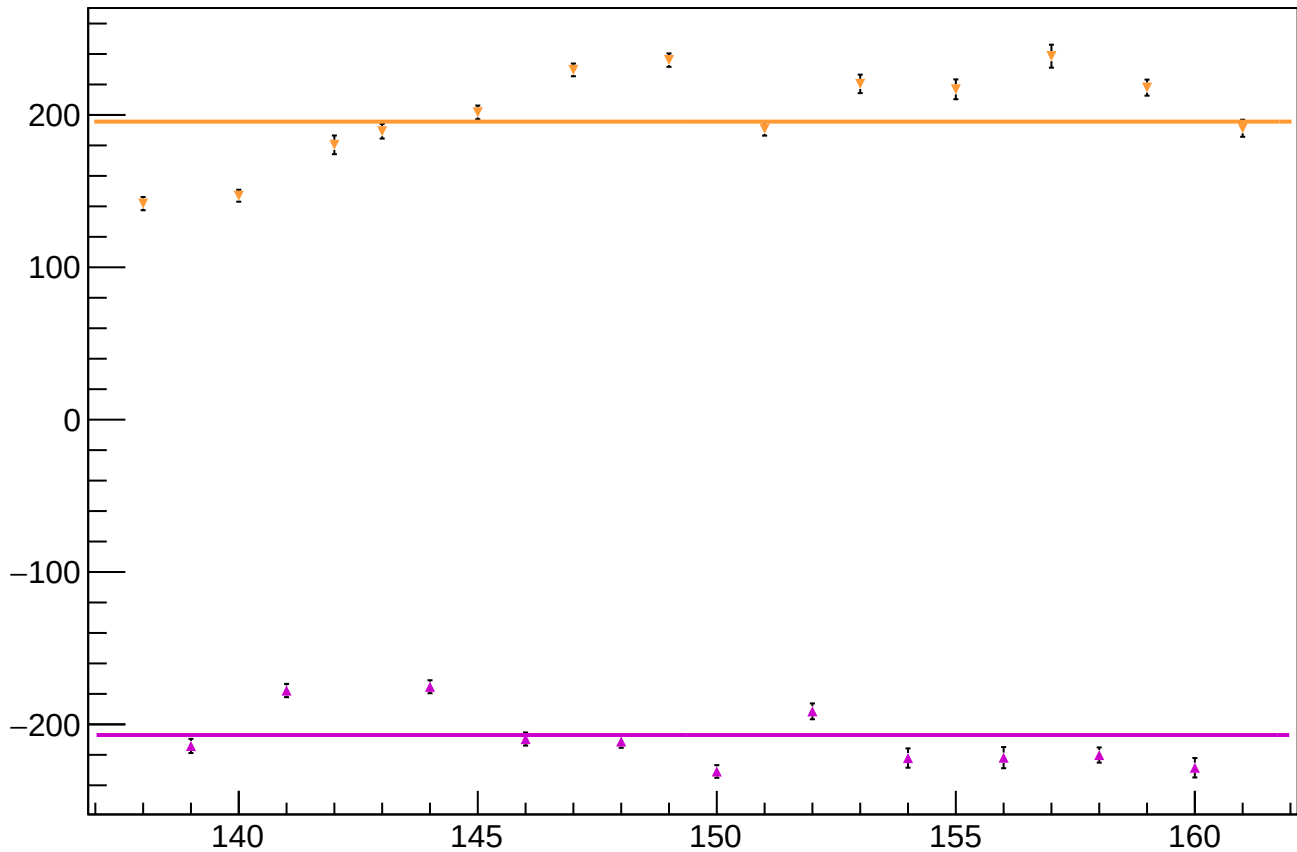
Left In: 143.095+/-0.063 χ^2/NDF : 41436.7/10

-139.874+/-0.051 χ^2/NDF : 263605.5/29

-1.865+/-0.036 χ^2/NDF : 15243701.5/59

133.321+/-0.050 χ^2/NDF : 274805.9/29

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 195.621 ± 1.372 χ^2/NDF : 544.5/12

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

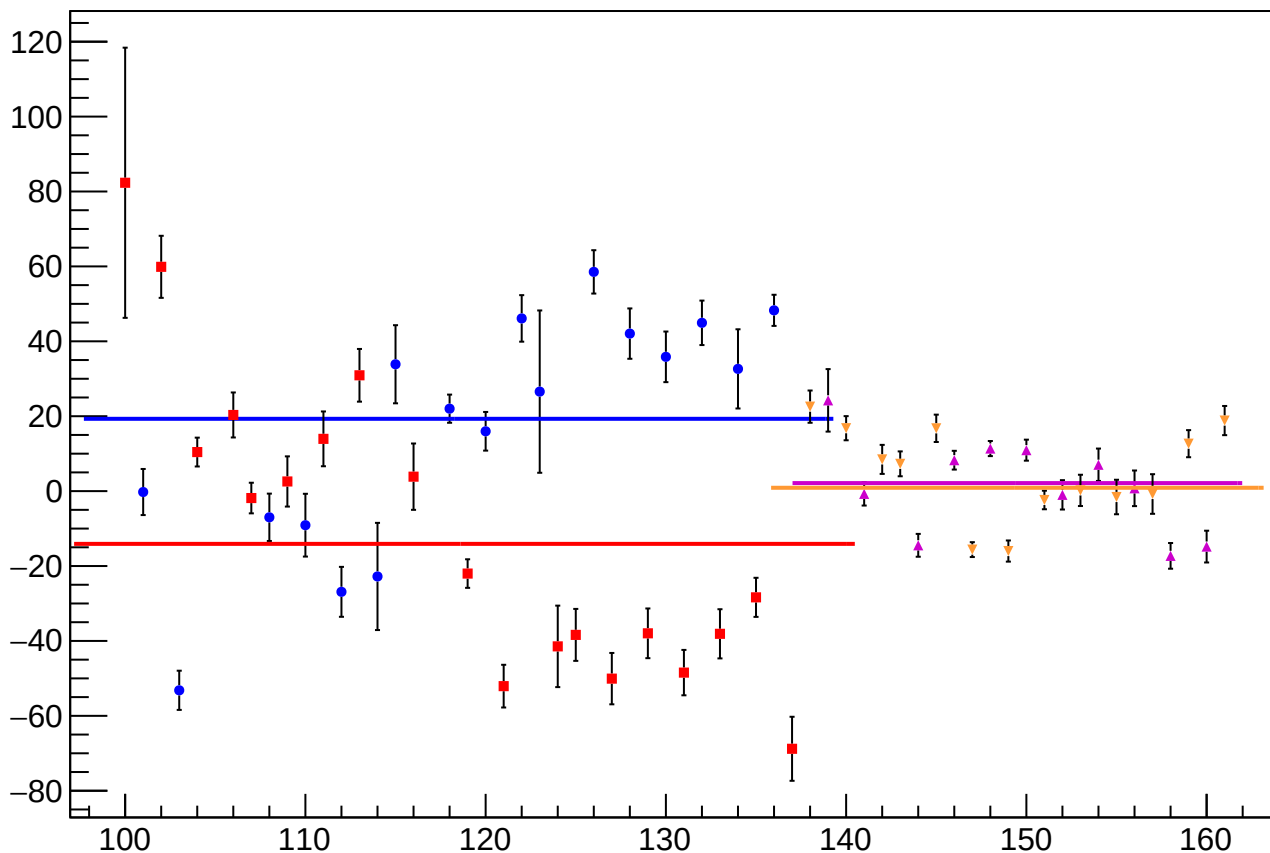
Left In: -206.995 ± 1.459 χ^2/NDF : 173.9/10

195.621 ± 1.372 χ^2/NDF : 544.5/12

6.677 ± 0.999 χ^2/NDF : 41156.9/23

-206.995 ± 1.459 χ^2/NDF : 173.9/10

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 0.895 ± 0.910 χ^2/NDF : 215.0/12

Right Out: -14.083 ± 1.390 χ^2/NDF : 436.9/18

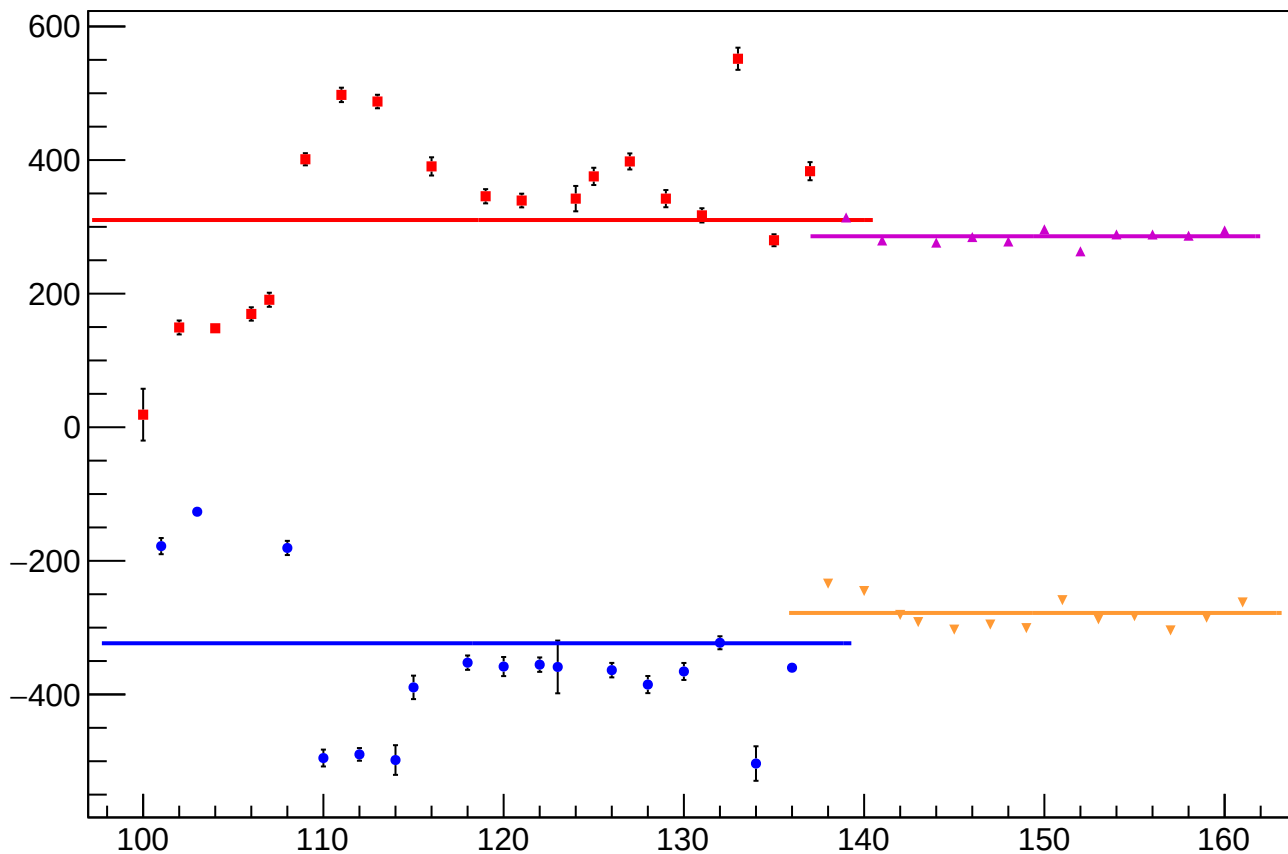
Left In: 2.145 ± 0.971 χ^2/NDF : 124.3/10

5.849 ± 0.778 χ^2/NDF : 766.4/29

1.437 ± 0.556 χ^2/NDF : 1484.9/59

-3.180 ± 0.796 χ^2/NDF : 652.8/29

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 2.684 χ^2 /NDF: 1849.6/16

Left Out: -278.006 $\pm$ 1.357 χ^2 /NDF: 281.6/12

Right Out: 310.236 $\pm$ 2.523 χ^2 /NDF: 2298.8/18

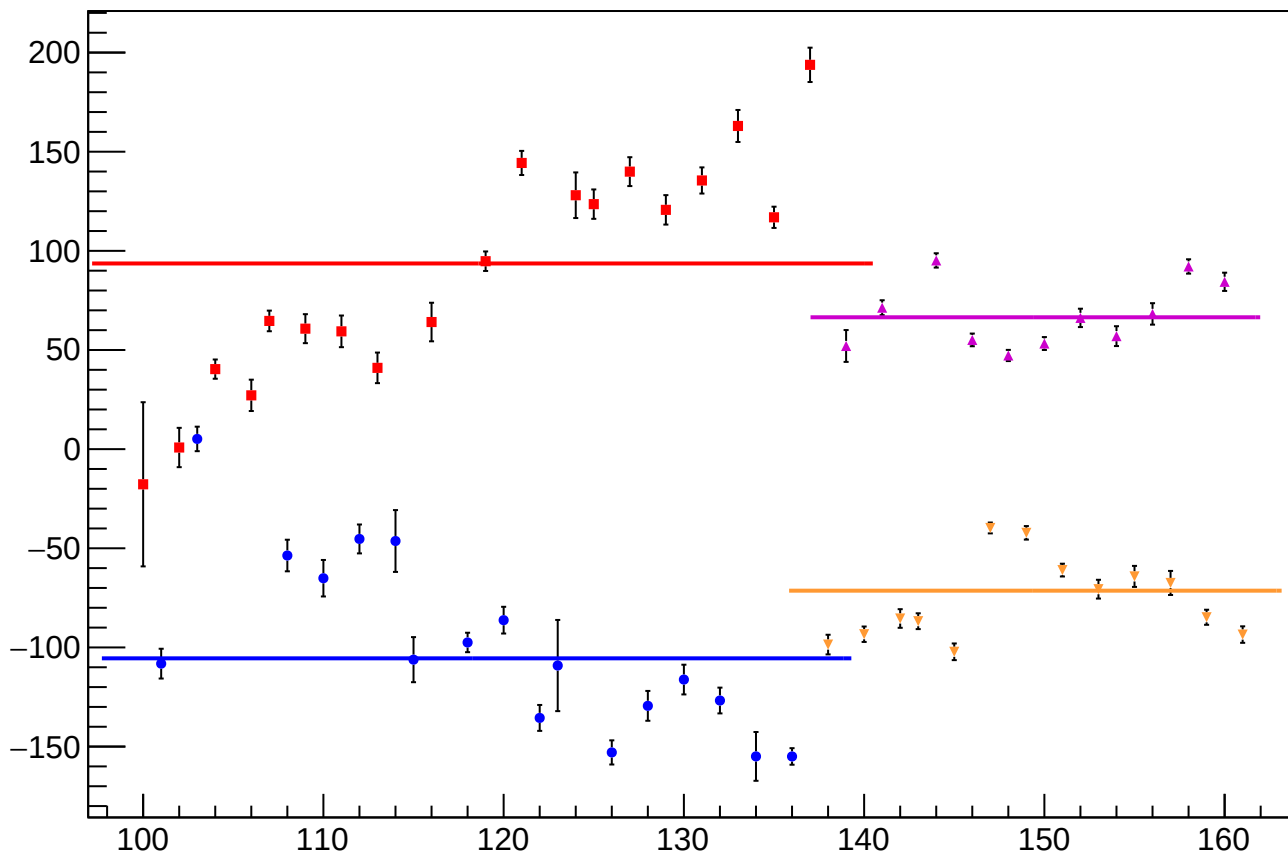
Left In: 285.924 $\pm$ 1.424 χ^2 /NDF: 71.5/10

-287.249 $\pm$ 1.211 χ^2 /NDF: 2359.0/29

-4.613 $\pm$ 0.866 χ^2 /NDF: 116383.6/59

291.797 $\pm$ 1.240 χ^2 /NDF: 2440.8/29

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: -71.373+/-1.103 χ^2/NDF : 399.5/12

Right Out: 93.637+/-1.610 χ^2/NDF : 827.1/18

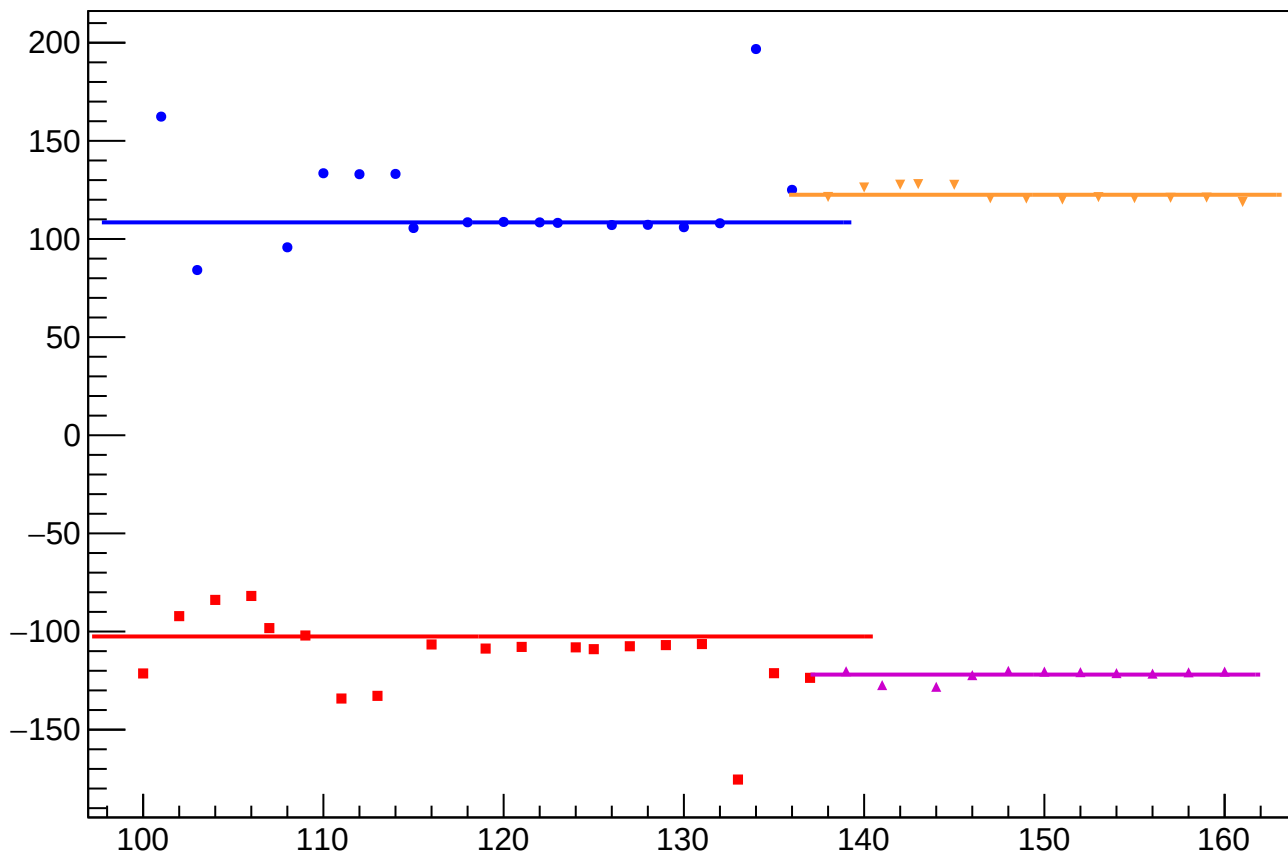
Left In: 66.501+/-1.175 χ^2/NDF : 212.7/10

-81.388+/-0.927 χ^2/NDF : 1417.5/29

-4.532+/-0.663 χ^2/NDF : 16698.4/59

75.925+/-0.949 χ^2/NDF : 1225.2/29

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: 122.532 ± 0.054 χ^2/NDF : 3193.4/12

Right Out: -102.521 ± 0.080 χ^2/NDF : 52992.1/18

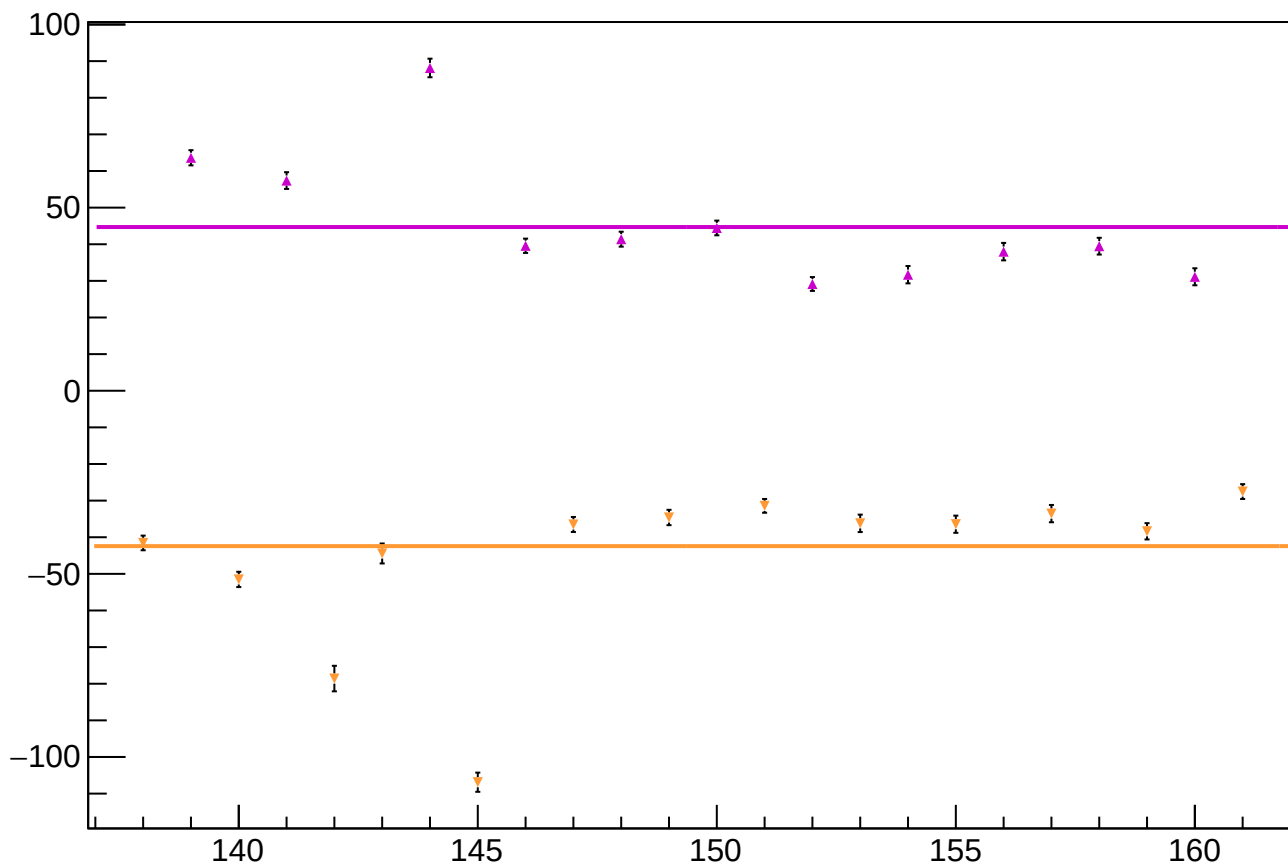
Left In: -121.940 ± 0.056 χ^2/NDF : 2242.8/10

118.445 ± 0.046 χ^2/NDF : 95942.9/29

2.097 ± 0.032 χ^2/NDF : 13156866.2/59

-115.434 ± 0.046 χ^2/NDF : 94861.5/29

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -42.429+/-0.623 χ^2/NDF : 874.2/12

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

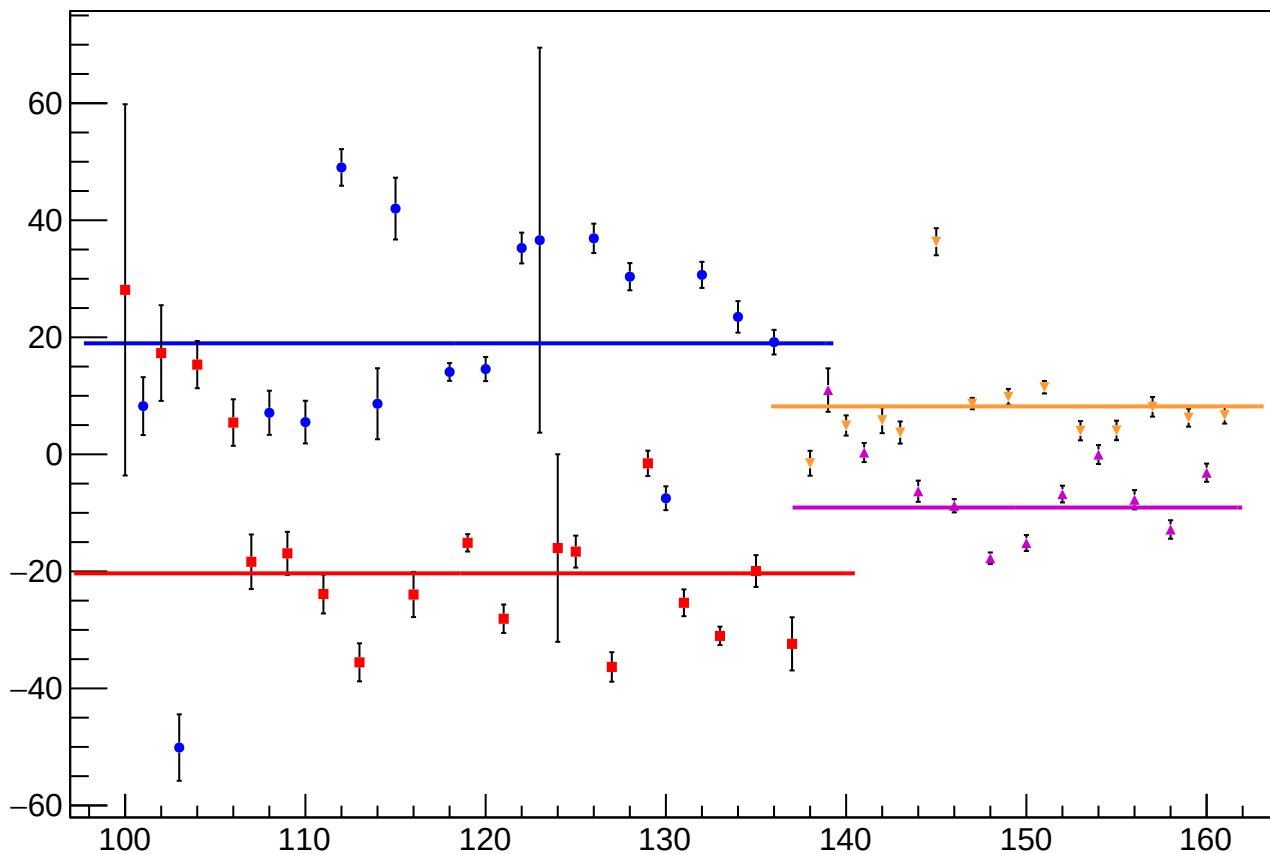
Left In: 44.700+/-0.654 χ^2/NDF : 561.2/10

-42.429+/-0.623 χ^2/NDF : 874.2/12

-0.947+/-0.451 χ^2/NDF : 10733.6/23

44.700+/-0.654 χ^2/NDF : 561.2/10

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: 8.194 ± 0.418 χ^2/NDF : 205.7/12

Right Out: -20.338 ± 0.642 χ^2/NDF : 366.4/18

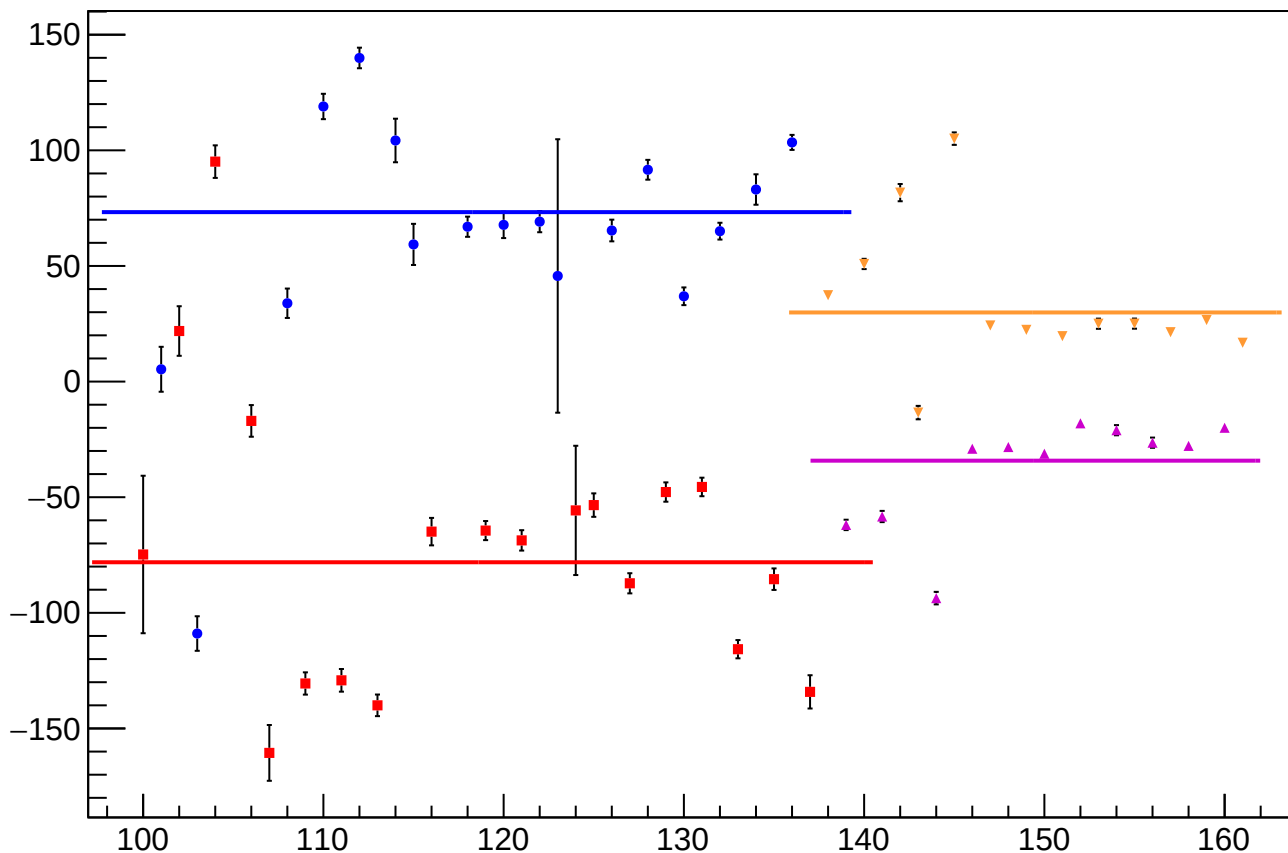
Left In: -9.092 ± 0.442 χ^2/NDF : 215.7/10

11.330 ± 0.352 χ^2/NDF : 1017.2/29

-0.298 ± 0.253 χ^2/NDF : 4059.4/59

-12.701 ± 0.364 χ^2/NDF : 790.3/29

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 ± 1.236 $\chi^2/\text{NDF}: 1198.6/16$

Left Out: 29.893 ± 0.608 $\chi^2/\text{NDF}: 1417.5/12$

Right Out: -78.130 ± 1.223 $\chi^2/\text{NDF}: 1543.3/18$

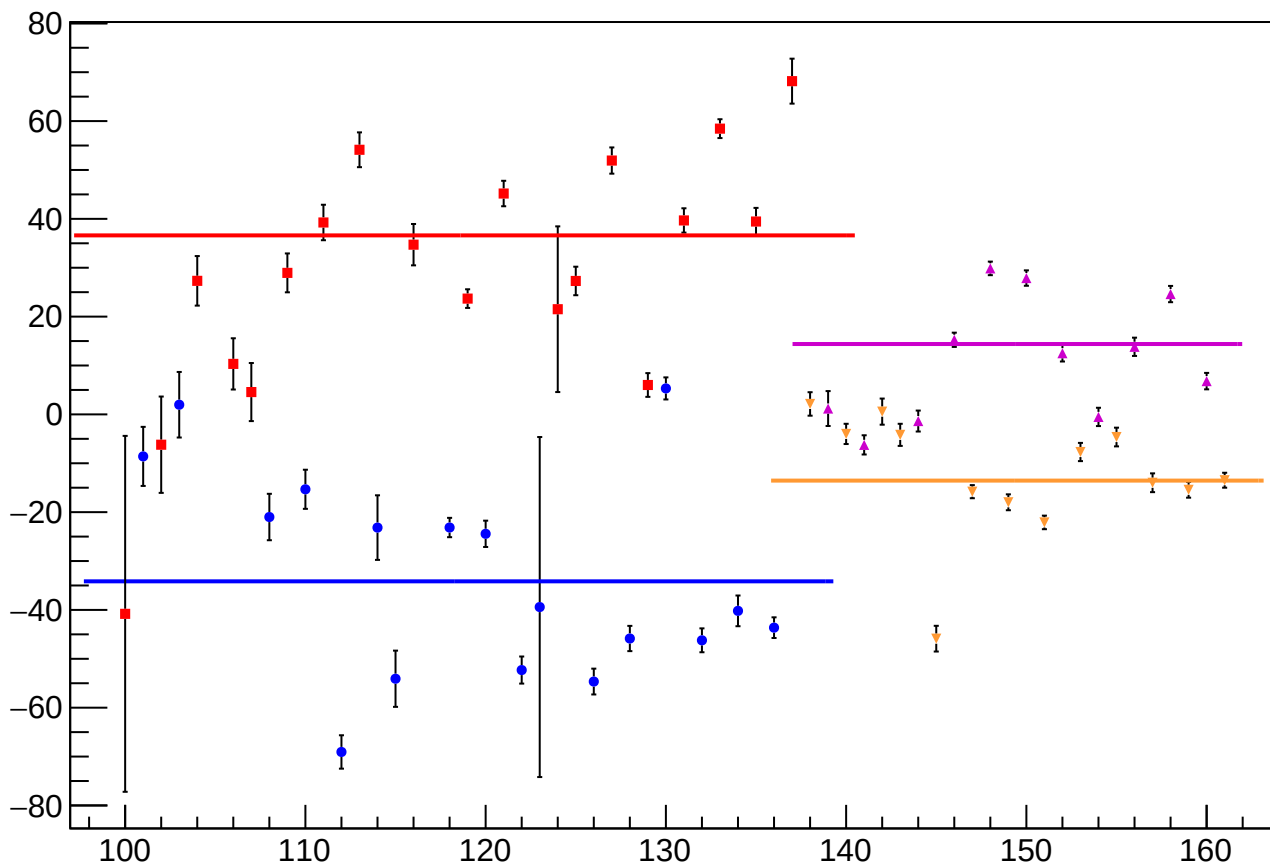
Left In: -34.200 ± 0.633 $\chi^2/\text{NDF}: 930.5/10$

38.333 ± 0.545 $\chi^2/\text{NDF}: 3607.8/29$

-1.353 ± 0.391 $\chi^2/\text{NDF}: 18016.7/59$

-43.479 ± 0.562 $\chi^2/\text{NDF}: 3492.3/29$

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: -13.545 ± 0.501 χ^2/NDF : 341.3/12

Right Out: 36.618 ± 0.736 χ^2/NDF : 547.0/18

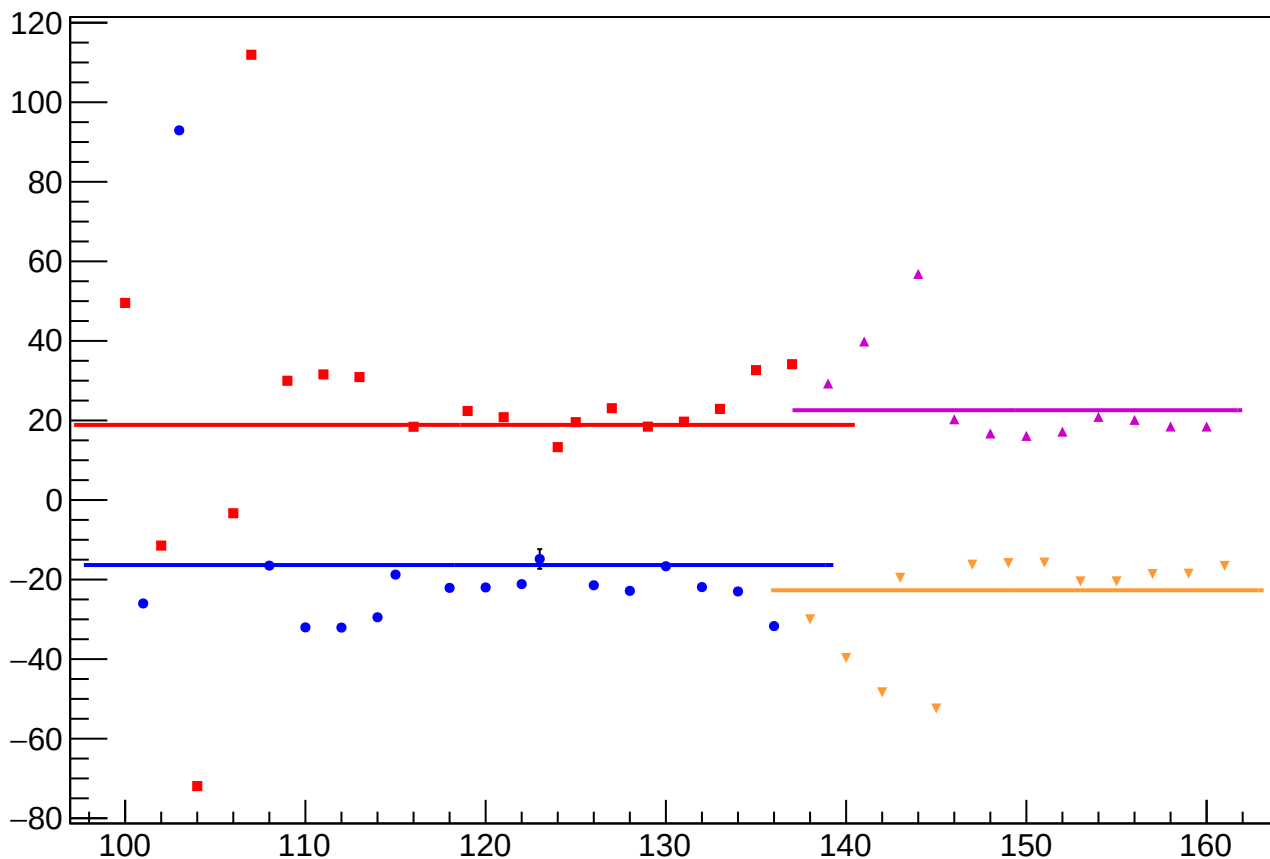
Left In: 14.394 ± 0.528 χ^2/NDF : 498.5/10

-19.962 ± 0.416 χ^2/NDF : 1585.8/29

0.324 ± 0.299 χ^2/NDF : 8155.6/59

21.958 ± 0.429 χ^2/NDF : 1647.4/29

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 χ^2/NDF : 474192.3/16

Left Out: -22.699 ± 0.024 χ^2/NDF : 180251.2/12

Right Out: 18.886 ± 0.045 χ^2/NDF : 433793.7/18

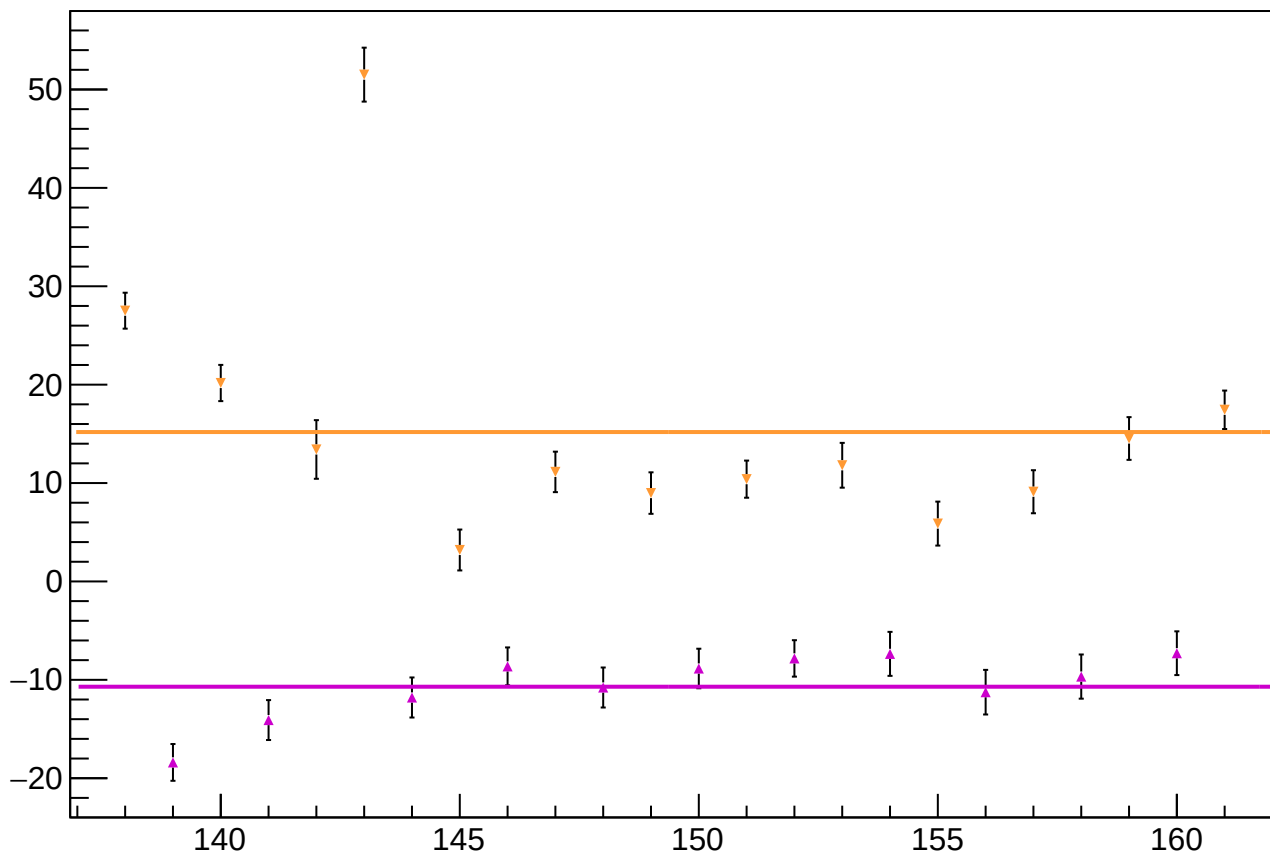
Left In: 22.574 ± 0.025 χ^2/NDF : 146126.4/10

-21.299 ± 0.021 χ^2/NDF : 670215.4/29

-0.437 ± 0.015 χ^2/NDF : 3299241.7/59

21.735 ± 0.022 χ^2/NDF : 585041.2/29

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 15.185+/-0.588 χ^2/NDF : 309.8/12

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

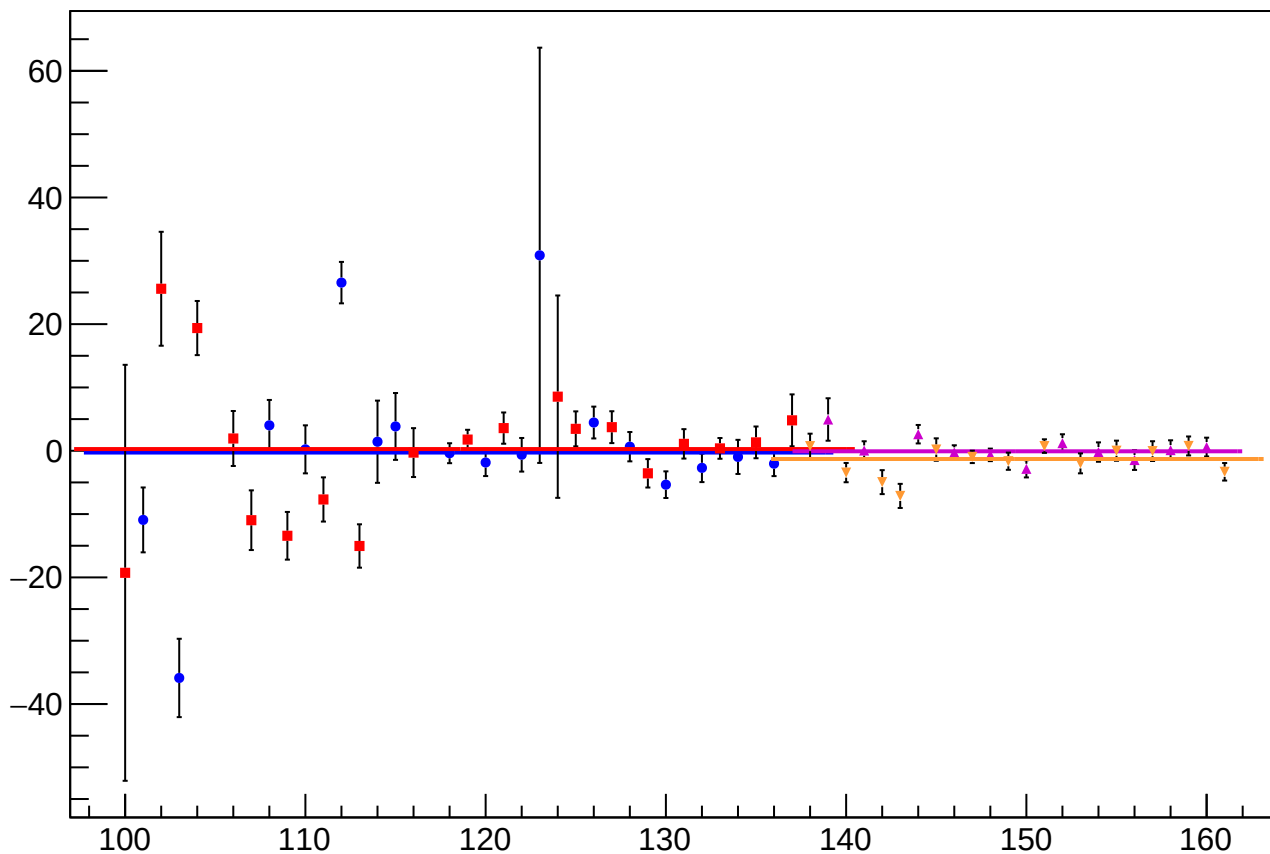
Left In: -10.700+/-0.618 χ^2/NDF : 29.3/10

15.185+/-0.588 χ^2/NDF : 309.8/12

2.885+/-0.426 χ^2/NDF : 1259.2/23

-10.700+/-0.618 χ^2/NDF : 29.3/10

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: -1.300 ± 0.401 χ^2/NDF : 26.2/12

Right Out: 0.270 ± 0.656 χ^2/NDF : 83.2/18

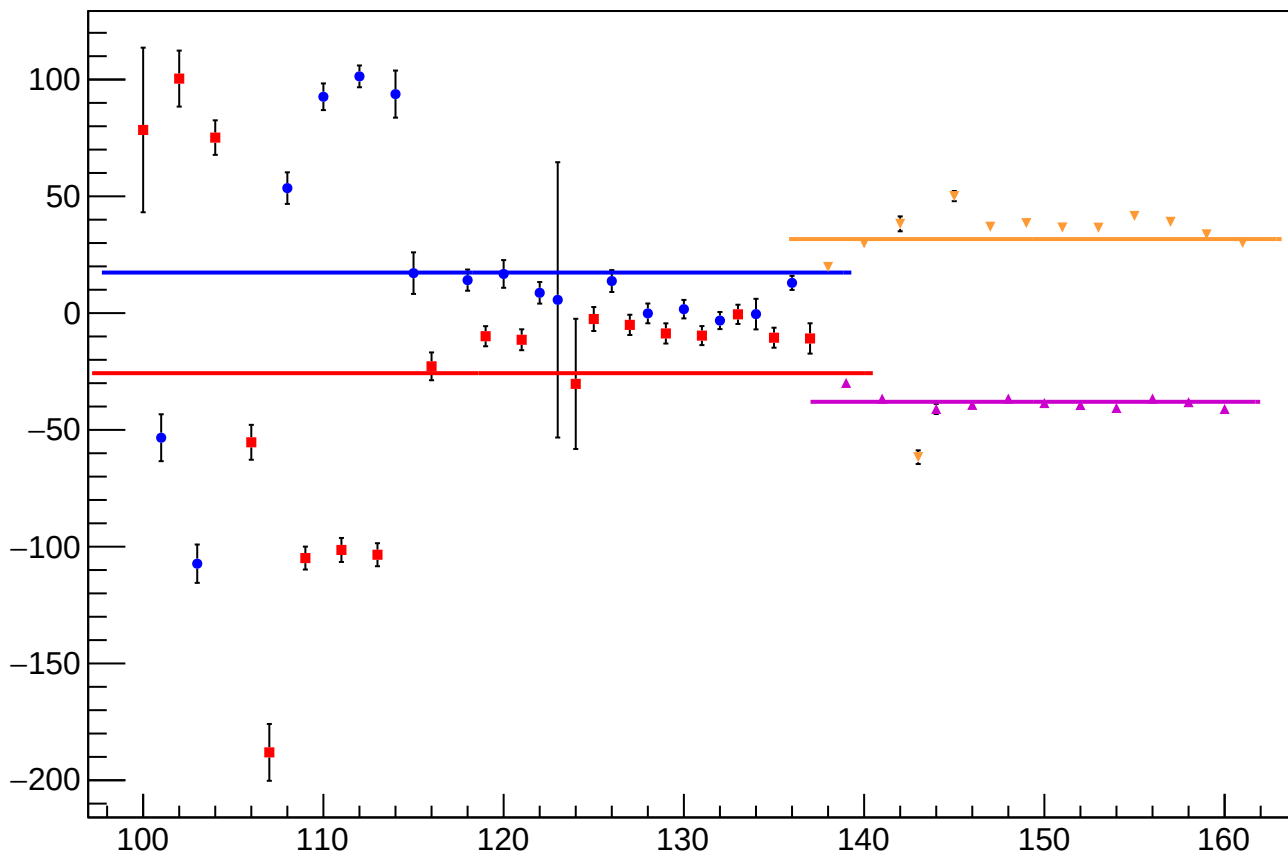
Left In: -0.084 ± 0.423 χ^2/NDF : 12.0/10

-1.026 ± 0.343 χ^2/NDF : 147.5/29

-0.521 ± 0.247 χ^2/NDF : 247.4/59

0.020 ± 0.356 χ^2/NDF : 95.4/29

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: 31.699 ± 0.577 $\chi^2/\text{NDF}: 1200.8/12$

Right Out: -25.717 ± 1.243 $\chi^2/\text{NDF}: 1378.8/18$

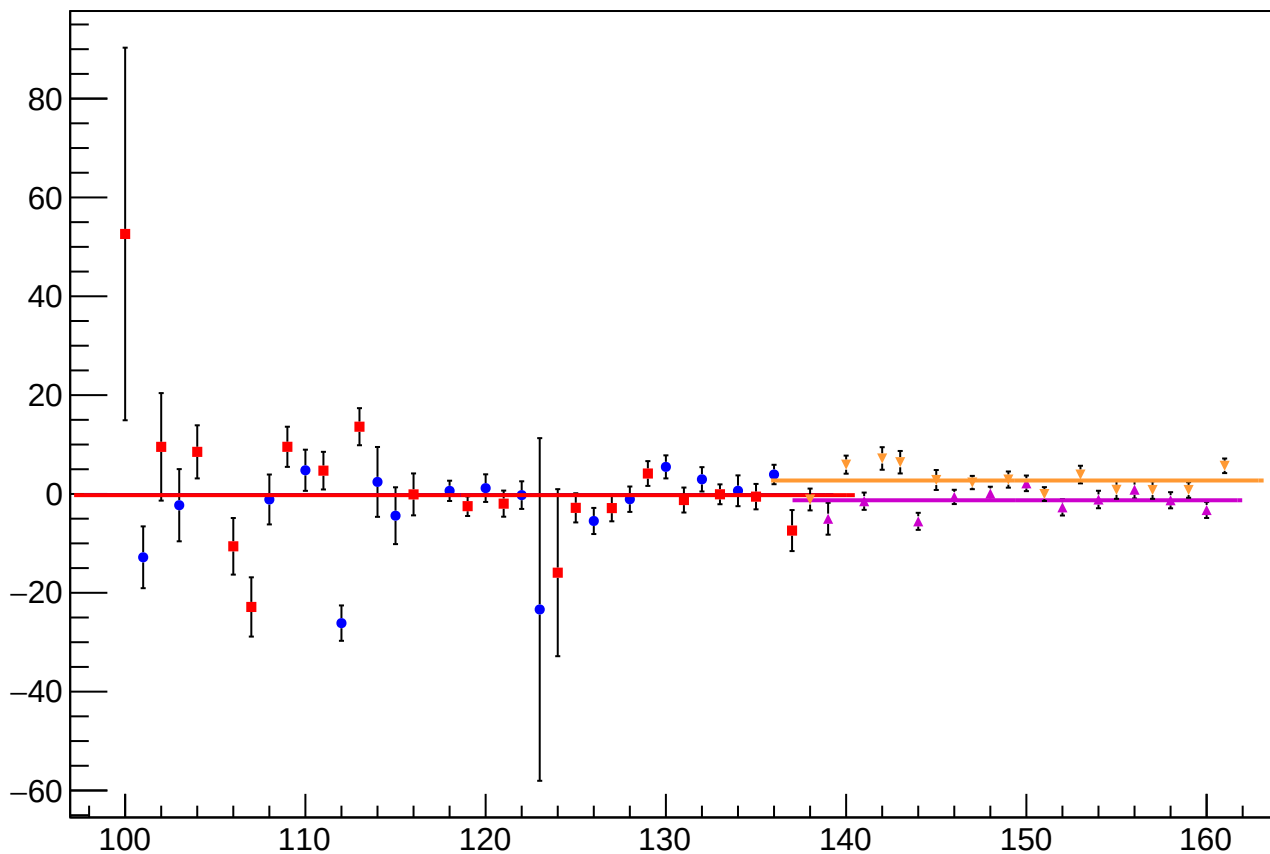
Left In: -37.976 ± 0.601 $\chi^2/\text{NDF}: 24.3/10$

29.173 ± 0.523 $\chi^2/\text{NDF}: 2252.8/29$

-2.142 ± 0.376 $\chi^2/\text{NDF}: 11146.7/59$

-35.650 ± 0.541 $\chi^2/\text{NDF}: 1482.0/29$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.724 ± 0.479 χ^2/NDF : 24.8/12

Right Out: -0.239 ± 0.748 χ^2/NDF : 54.5/18

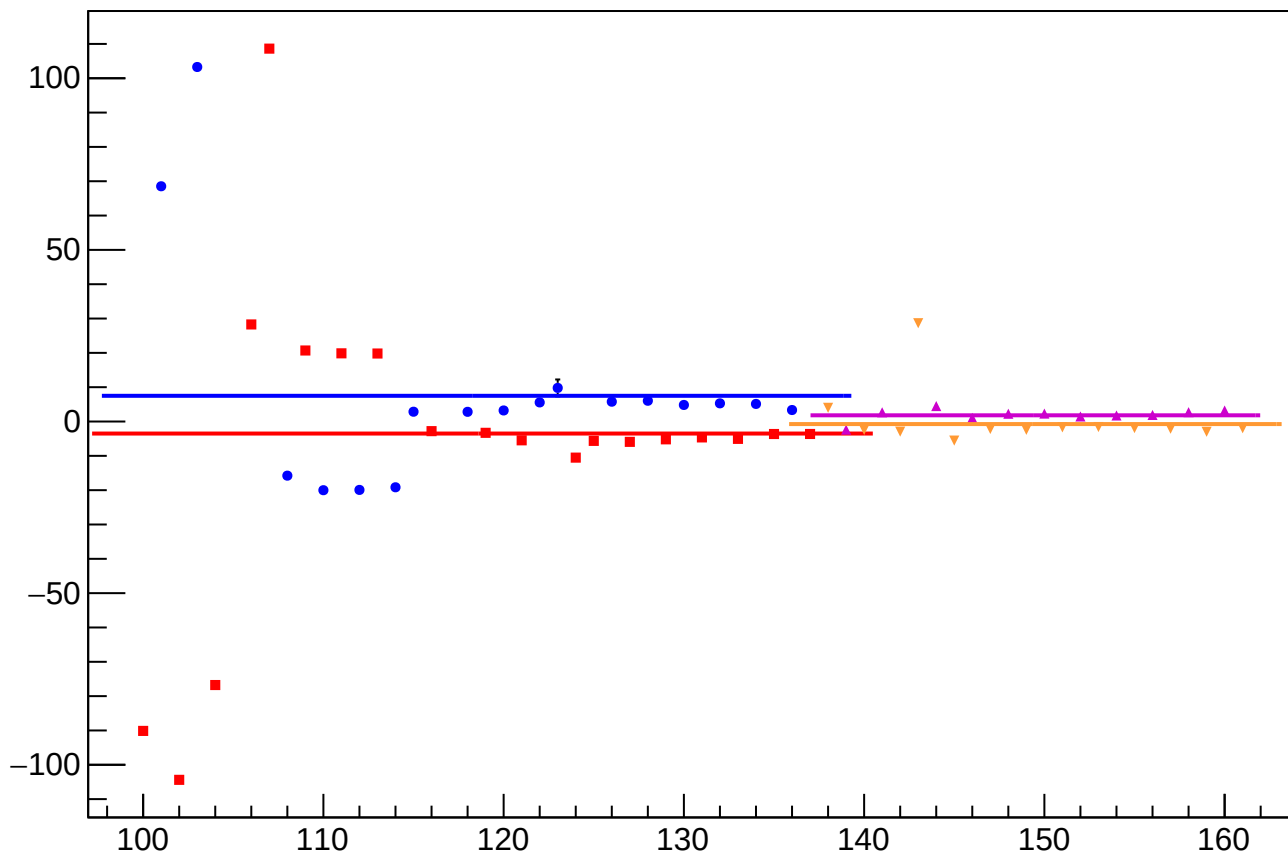
Left In: -1.276 ± 0.505 χ^2/NDF : 17.1/10

1.878 ± 0.404 χ^2/NDF : 111.5/29

0.514 ± 0.291 χ^2/NDF : 208.1/59

-0.952 ± 0.418 χ^2/NDF : 72.9/29

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 $\pm$ 0.045 χ^2/NDF : 355979.0/16

Left Out: -0.744 $\pm$ 0.022 χ^2/NDF : 73444.4/12

Right Out: -3.504 $\pm$ 0.046 χ^2/NDF : 510579.4/18

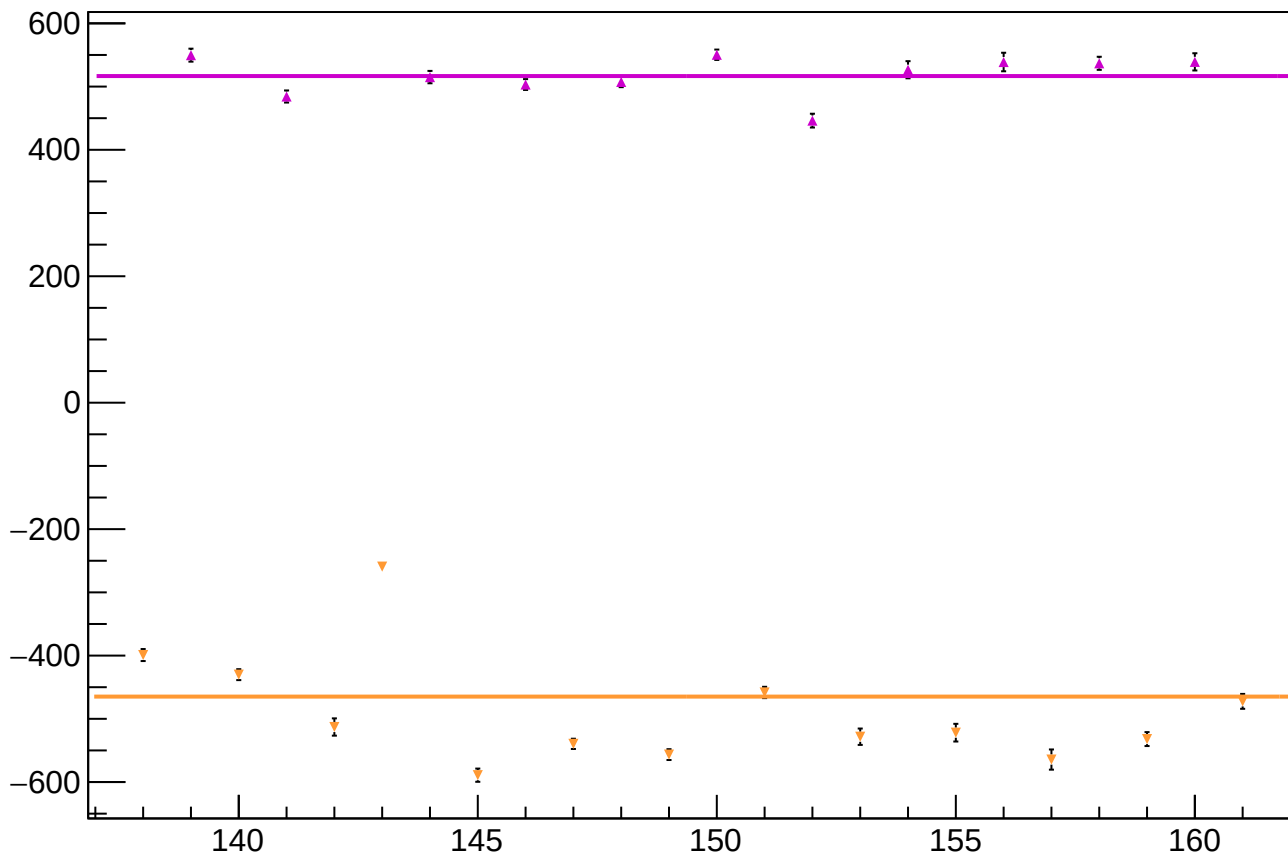
Left In: 1.810 $\pm$ 0.023 χ^2/NDF : 5015.7/10

0.918 $\pm$ 0.020 χ^2/NDF : 456599.8/29

0.817 $\pm$ 0.014 χ^2/NDF : 983000.5/59

0.708 $\pm$ 0.021 χ^2/NDF : 526347.8/29

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -464.853+/-2.764 χ^2/NDF : 1392.6/12

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

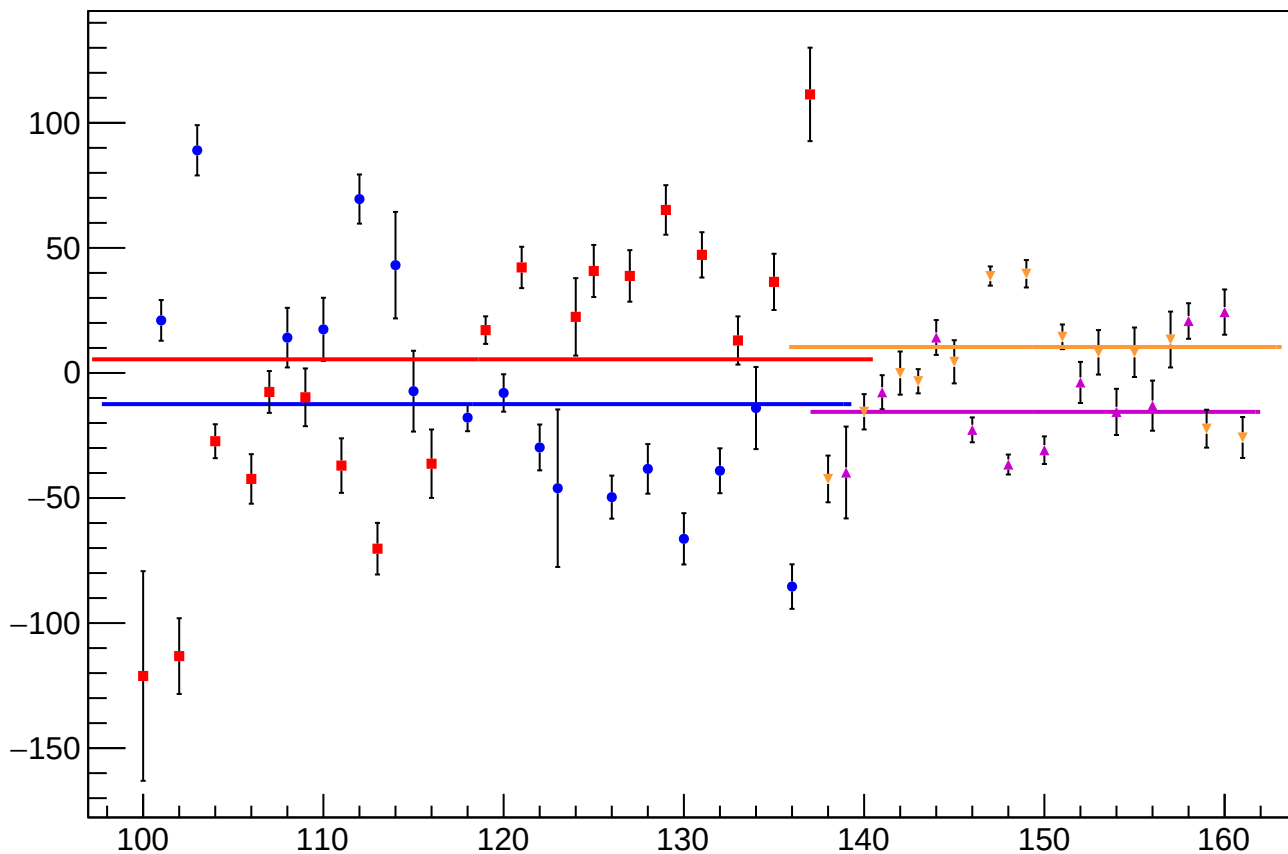
Left In: 516.638+/-3.053 χ^2/NDF : 93.6/10

-464.853+/-2.764 χ^2/NDF : 1392.6/12

-22.808+/-2.049 χ^2/NDF : 58296.5/23

516.638+/-3.053 χ^2/NDF : 93.6/10

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: 10.387 ± 1.807 χ^2/NDF : 177.2/12

Right Out: 5.453 ± 2.259 χ^2/NDF : 345.0/18

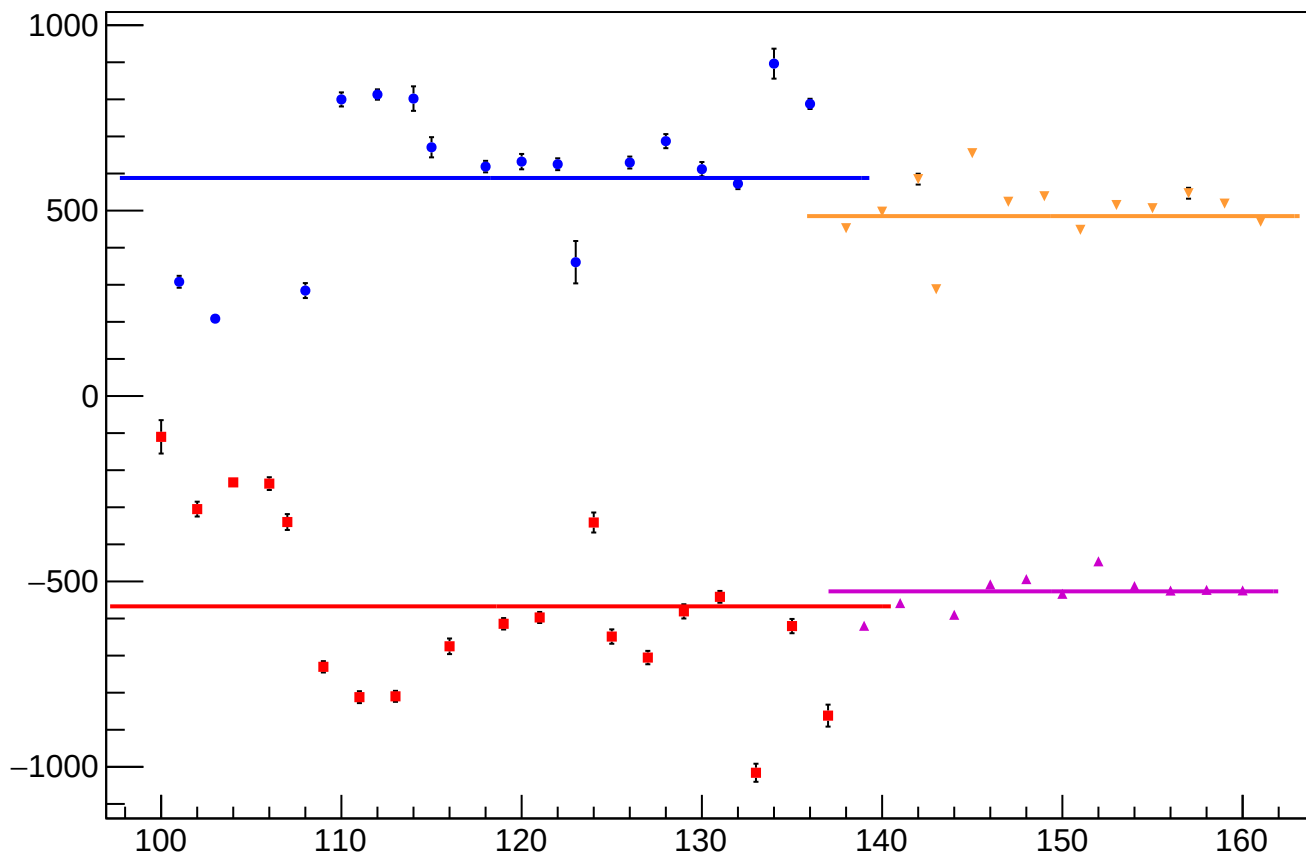
Left In: -15.557 ± 2.002 χ^2/NDF : 106.6/10

1.893 ± 1.432 χ^2/NDF : 577.7/29

-2.025 ± 1.035 χ^2/NDF : 1093.4/59

-6.314 ± 1.498 χ^2/NDF : 500.0/29

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 ± 4.353 $\chi^2/\text{NDF}: 2129.6/16$

Left Out: 485.168 ± 2.736 $\chi^2/\text{NDF}: 1117.4/12$

Right Out: -567.179 ± 4.136 $\chi^2/\text{NDF}: 2783.2/18$

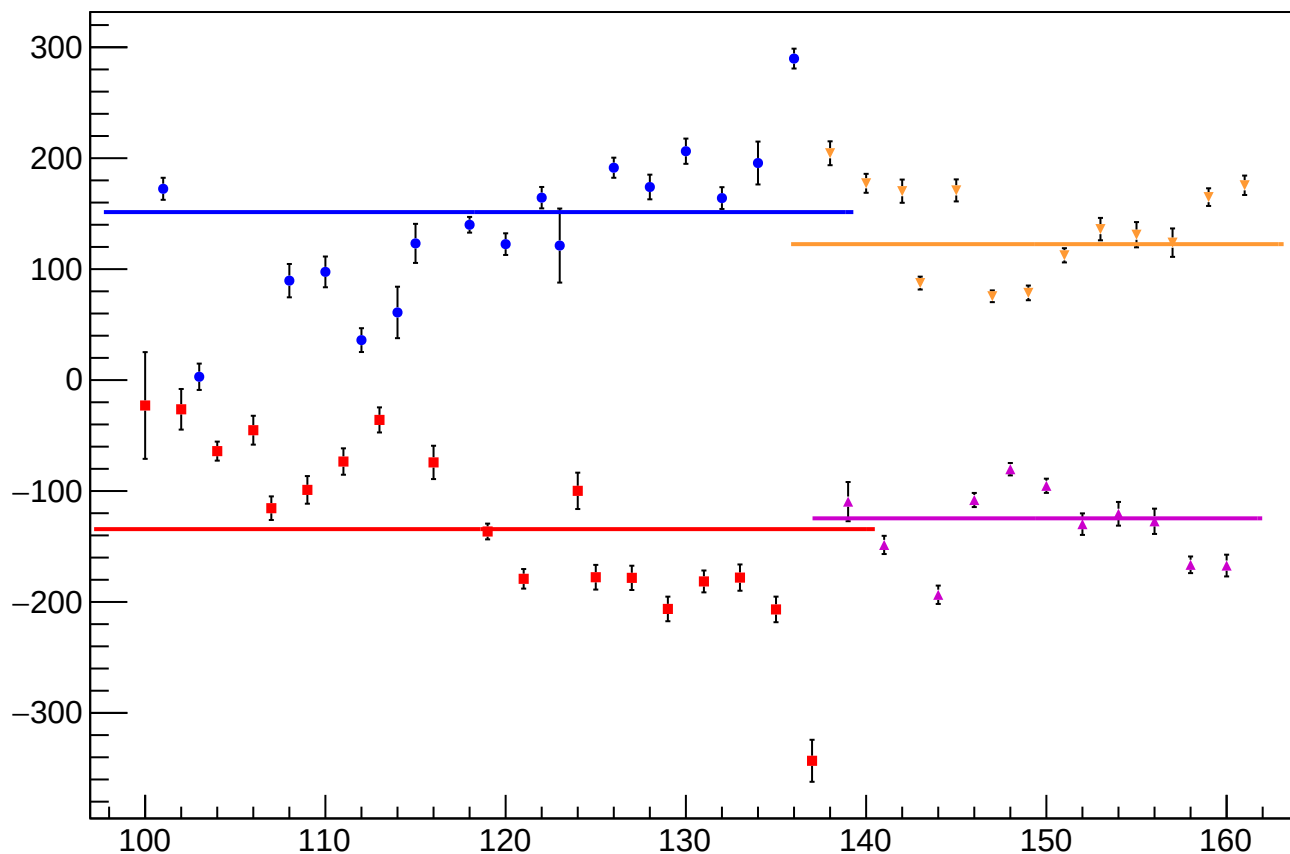
Left In: -526.764 ± 2.967 $\chi^2/\text{NDF}: 201.6/10$

514.282 ± 2.316 $\chi^2/\text{NDF}: 3647.1/29$

7.986 ± 1.670 $\chi^2/\text{NDF}: 106245.7/59$

-540.493 ± 2.411 $\chi^2/\text{NDF}: 3047.8/29$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421+/-2.709 χ^2/NDF : 633.3/16

Left Out: 122.526+/-2.201 χ^2/NDF : 372.7/12

Right Out: -134.346+/-2.616 χ^2/NDF : 584.9/18

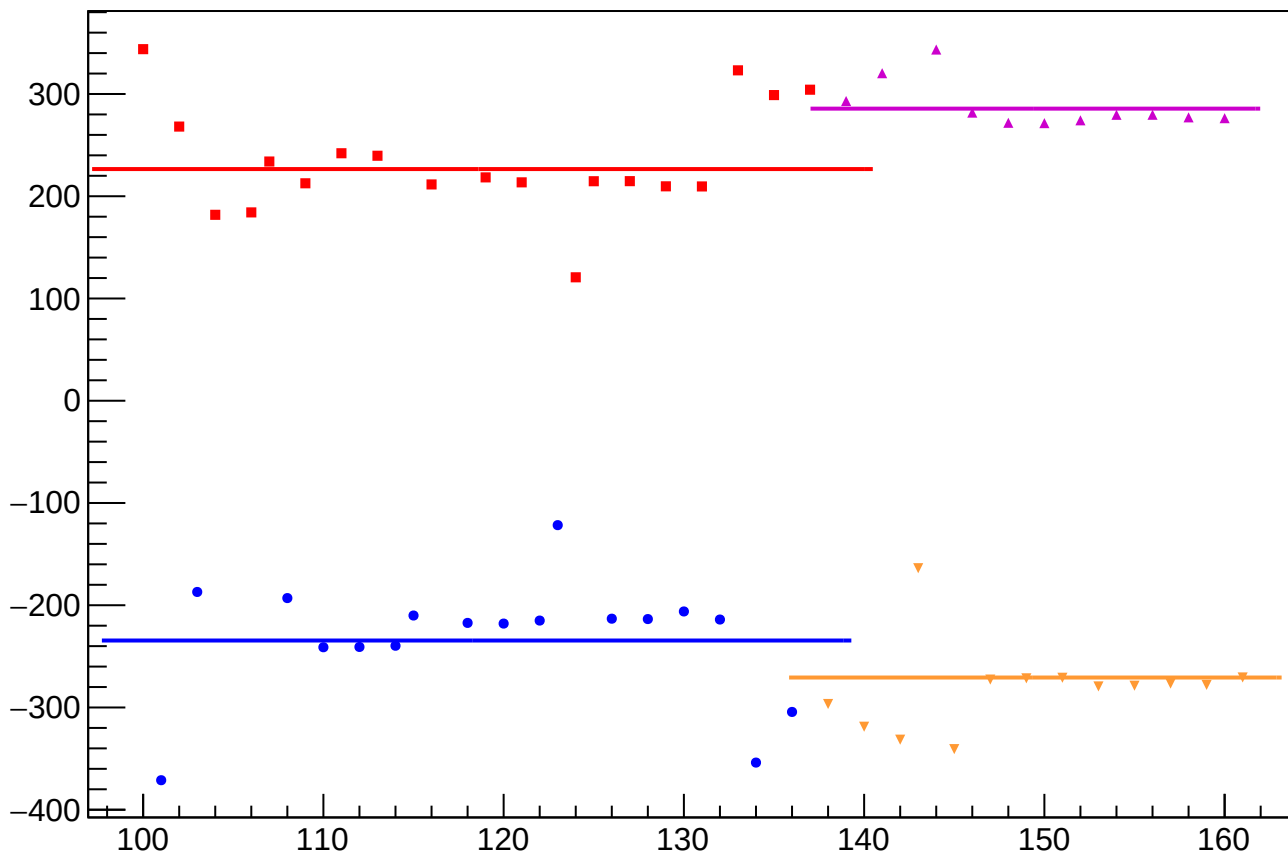
Left In: -124.619+/-2.433 χ^2/NDF : 219.8/10

134.017+/-1.708 χ^2/NDF : 1074.5/29

7.942+/-1.233 χ^2/NDF : 13253.6/59

-129.131+/-1.781 χ^2/NDF : 812.1/29

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -270.700 ± 0.110 $\chi^2/\text{NDF}: 182670.2/12$

Right Out: 226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

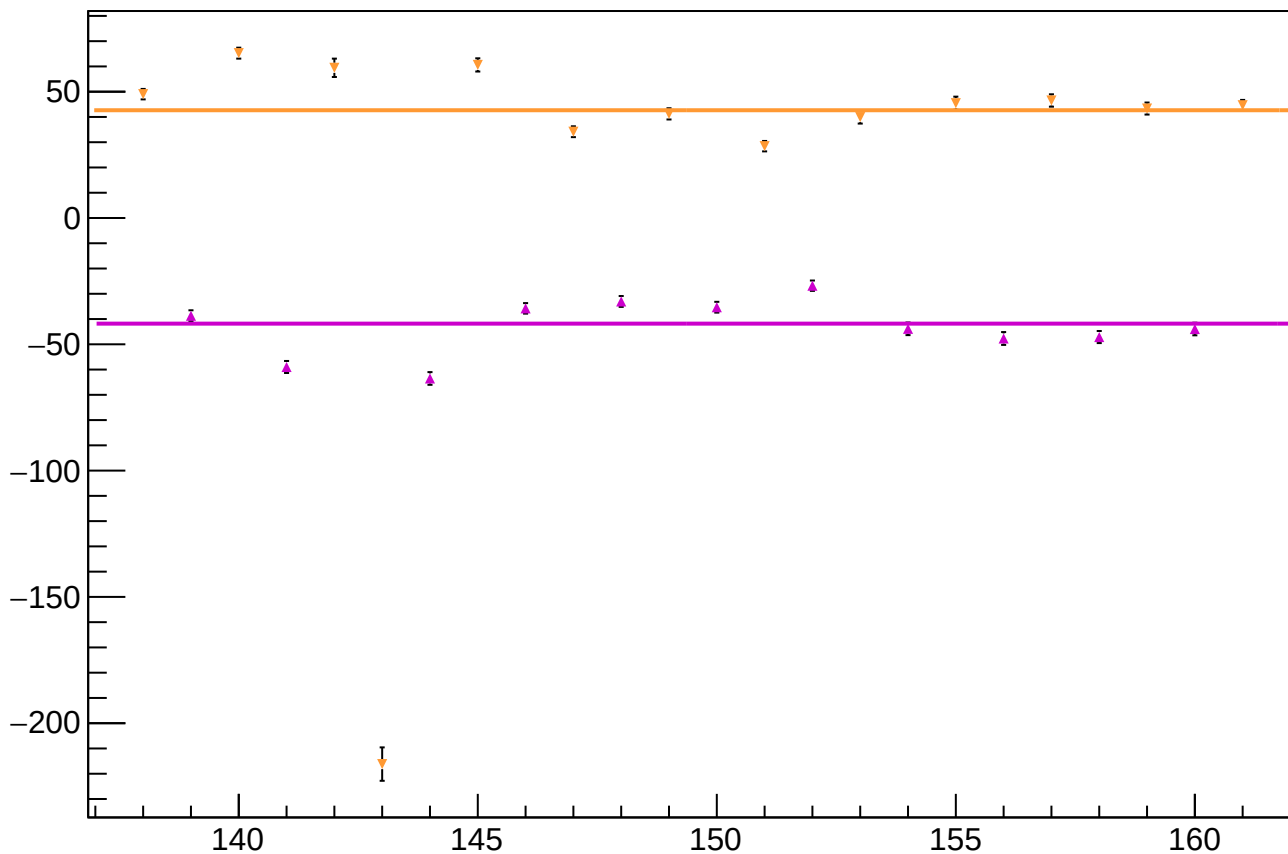
Left In: 285.676 ± 0.118 $\chi^2/\text{NDF}: 29254.0/10$

-257.898 ± 0.089 $\chi^2/\text{NDF}: 365851.3/29$

-4.075 ± 0.063 $\chi^2/\text{NDF}: 17377475.4/59$

261.397 ± 0.091 $\chi^2/\text{NDF}: 231114.7/29$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 42.658+/-0.672 χ^2/NDF : 1787.7/12

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

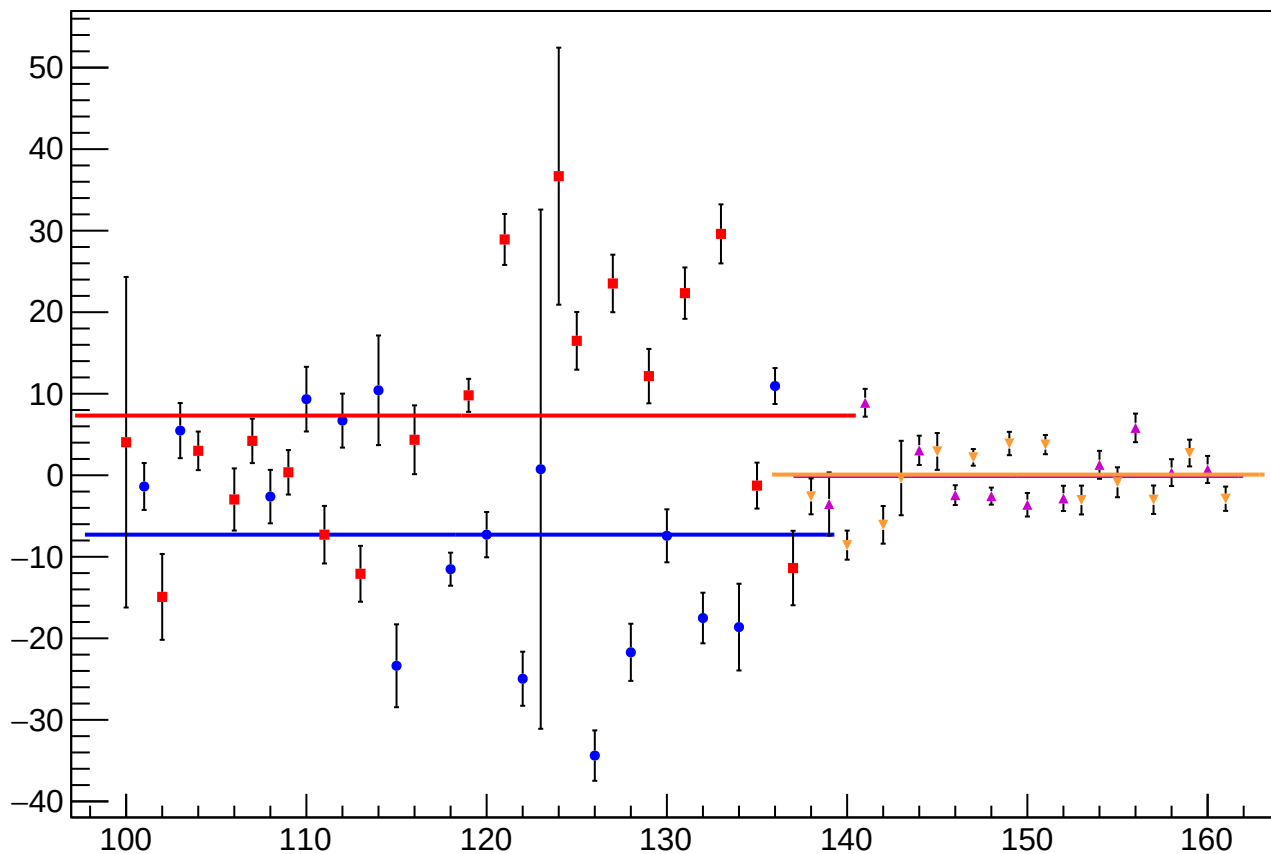
Left In: -41.819+/-0.690 χ^2/NDF : 228.4/10

42.658+/-0.672 χ^2/NDF : 1787.7/12

1.513+/-0.481 χ^2/NDF : 9710.7/23

-41.819+/-0.690 χ^2/NDF : 228.4/10

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: 0.084 ± 0.452 χ^2/NDF : 68.0/12

Right Out: 7.323 ± 0.761 χ^2/NDF : 255.3/18

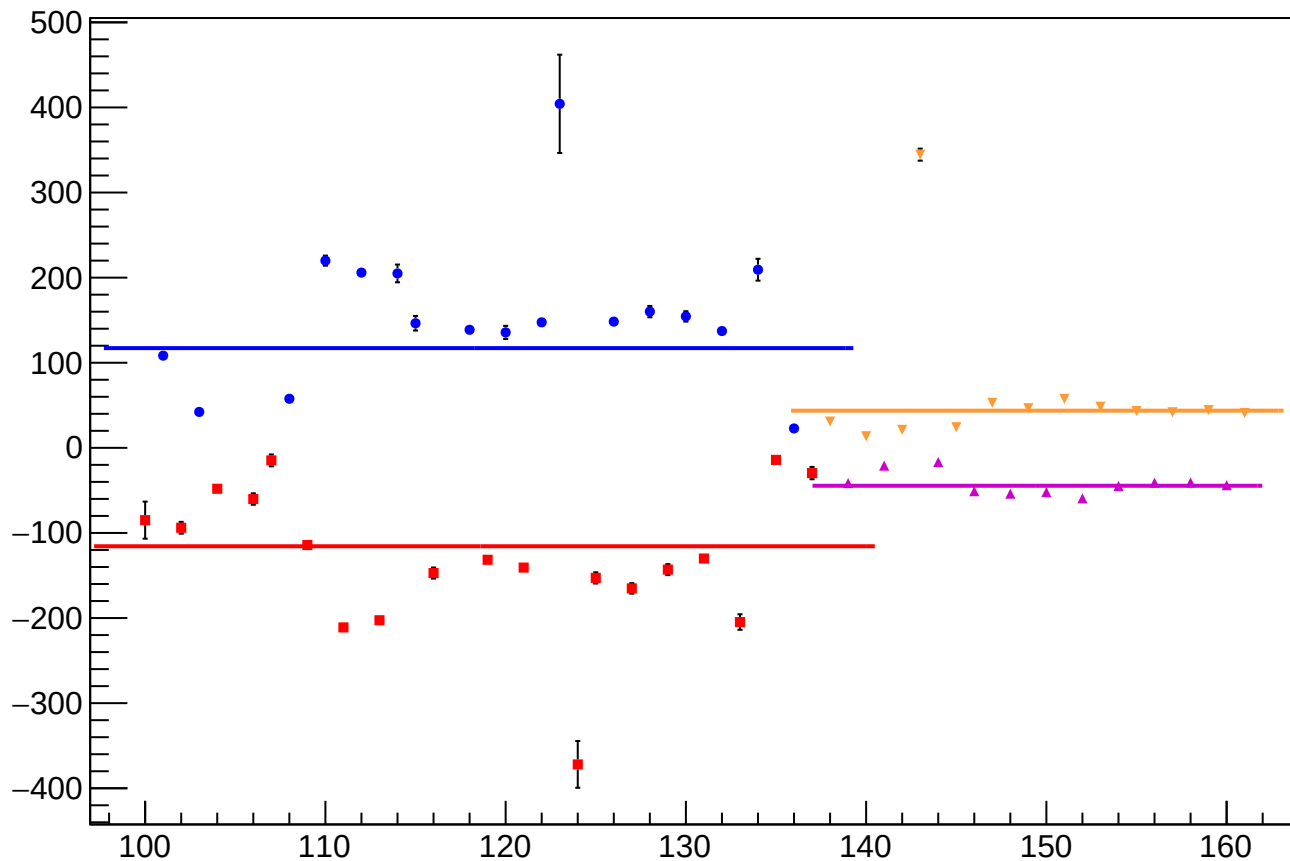
Left In: -0.093 ± 0.466 χ^2/NDF : 62.3/10

-1.738 ± 0.392 χ^2/NDF : 416.9/29

0.072 ± 0.279 χ^2/NDF : 846.7/59

1.931 ± 0.397 χ^2/NDF : 386.7/29

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 $\pm$ 1.416 χ^2/NDF : 2161.0/16

Left Out: 43.712 $\pm$ 0.654 χ^2/NDF :2181.9/12

Right Out: -115.632 $\pm$ -1.361 χ^2/NDF : 2137.6/18

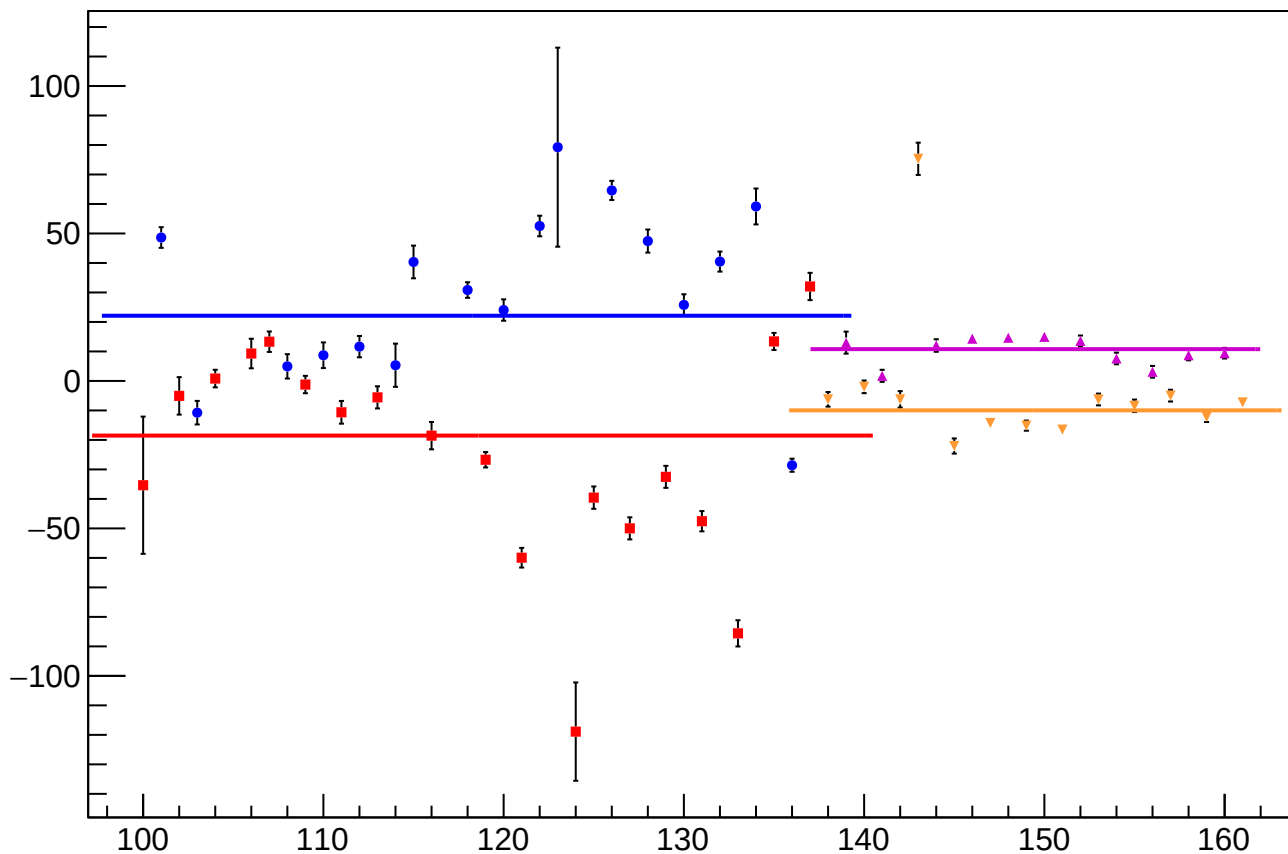
Left In: -44.533 $\pm$ -0.668 χ^2/NDF :304.8/10

56.625 $\pm$ -0.594 χ^2/NDF : 6561.1/29

-0.277 $\pm$ -0.422 χ^2/NDF : 29758.1/59

-58.342 $\pm$ -0.600 χ^2/NDF : 4641.3/29

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: -9.974+/-0.541 χ^2/NDF : 333.8/12

Right Out: -18.521+/-0.871 χ^2/NDF : 1068.6/18

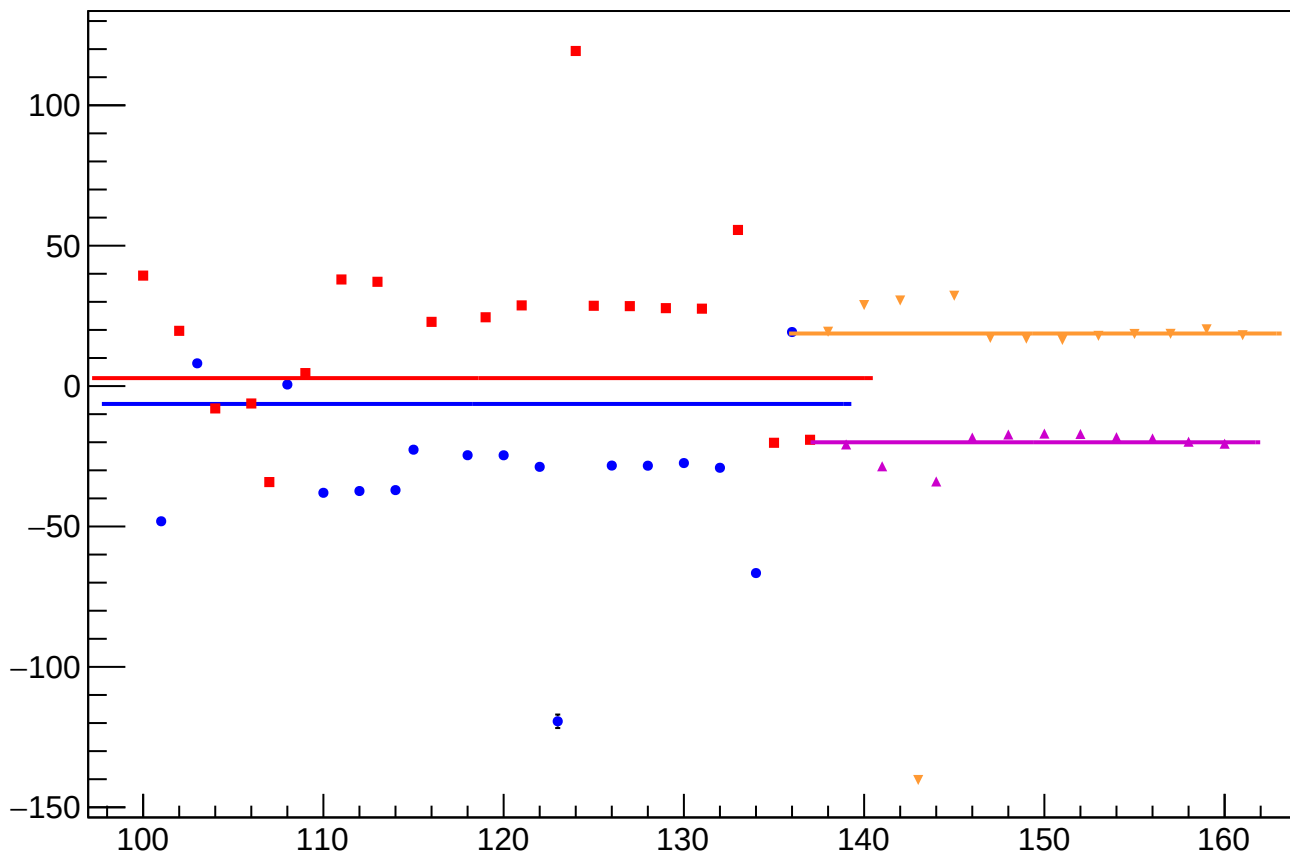
Left In: 10.785+/-0.558 χ^2/NDF : 60.3/10

-1.438+/-0.463 χ^2/NDF : 2340.6/29

0.385+/-0.330 χ^2/NDF : 4303.3/59

2.260+/-0.470 χ^2/NDF : 1931.3/29

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: 18.726 ± 0.026 $\chi^2/\text{NDF}: 348985.5/12$

Right Out: 2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

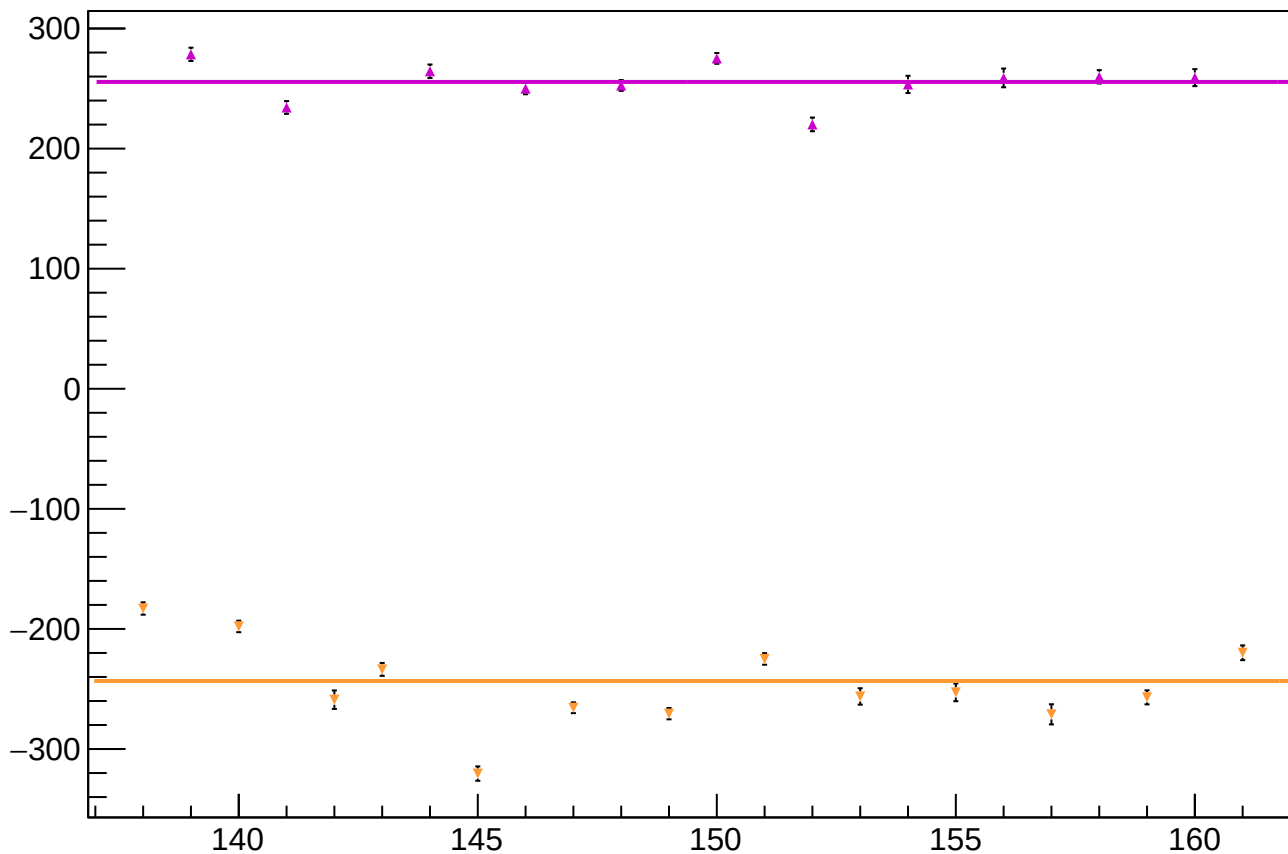
Left In: -20.013 ± 0.026 $\chi^2/\text{NDF}: 26145.1/10$

12.881 ± 0.022 $\chi^2/\text{NDF}: 838768.1/29$

-0.641 ± 0.016 $\chi^2/\text{NDF}: 2058469.1/59$

-14.443 ± 0.023 $\chi^2/\text{NDF}: 480404.7/29$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -243.346 ± 1.568 χ^2/NDF : 507.6/12

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

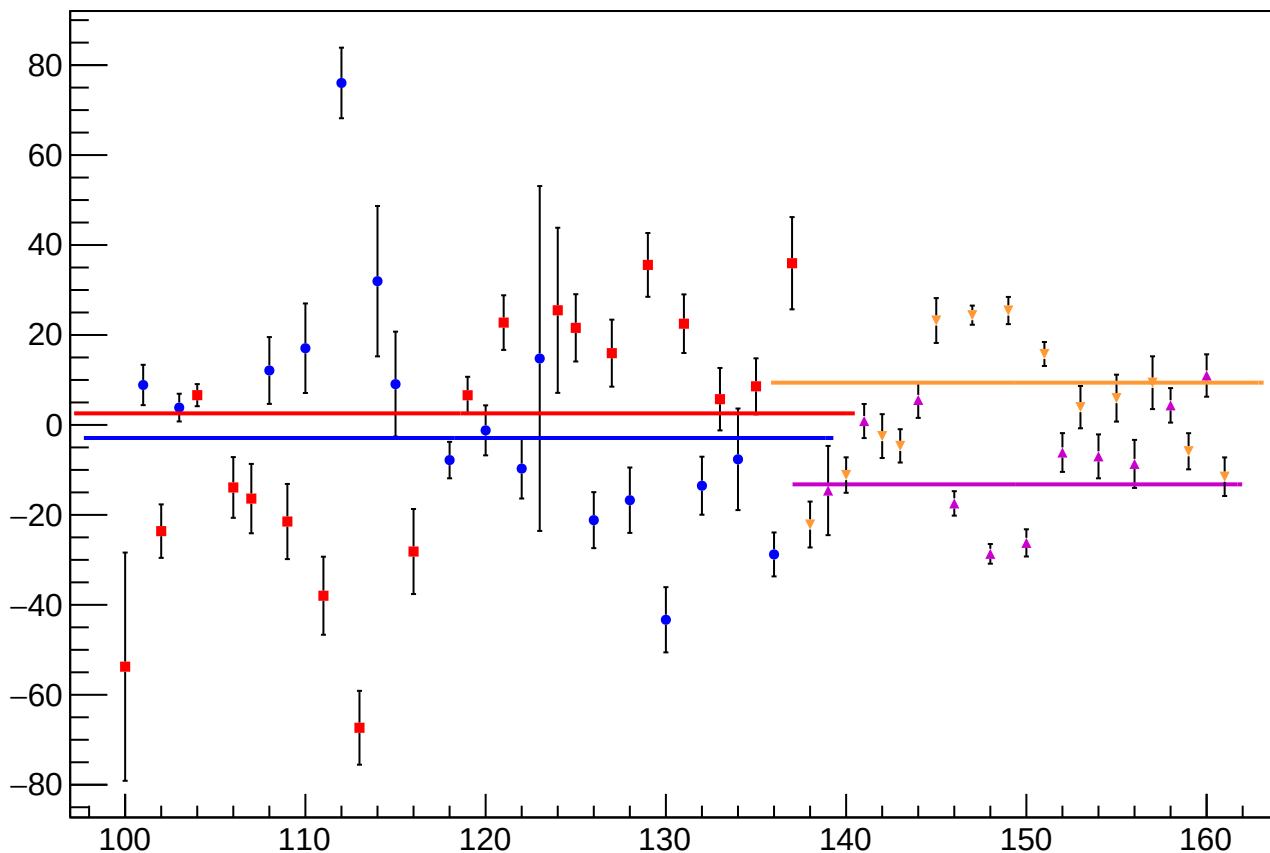
Left In: 255.520 ± 1.662 χ^2/NDF : 96.0/10

-243.346 ± 1.568 χ^2/NDF : 507.6/12

-8.486 ± 1.141 χ^2/NDF : 48269.7/23

255.520 ± 1.662 χ^2/NDF : 96.0/10

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: 9.397 ± 1.023 χ^2/NDF : 216.8/12

Right Out: 2.570 ± 1.396 χ^2/NDF : 218.2/18

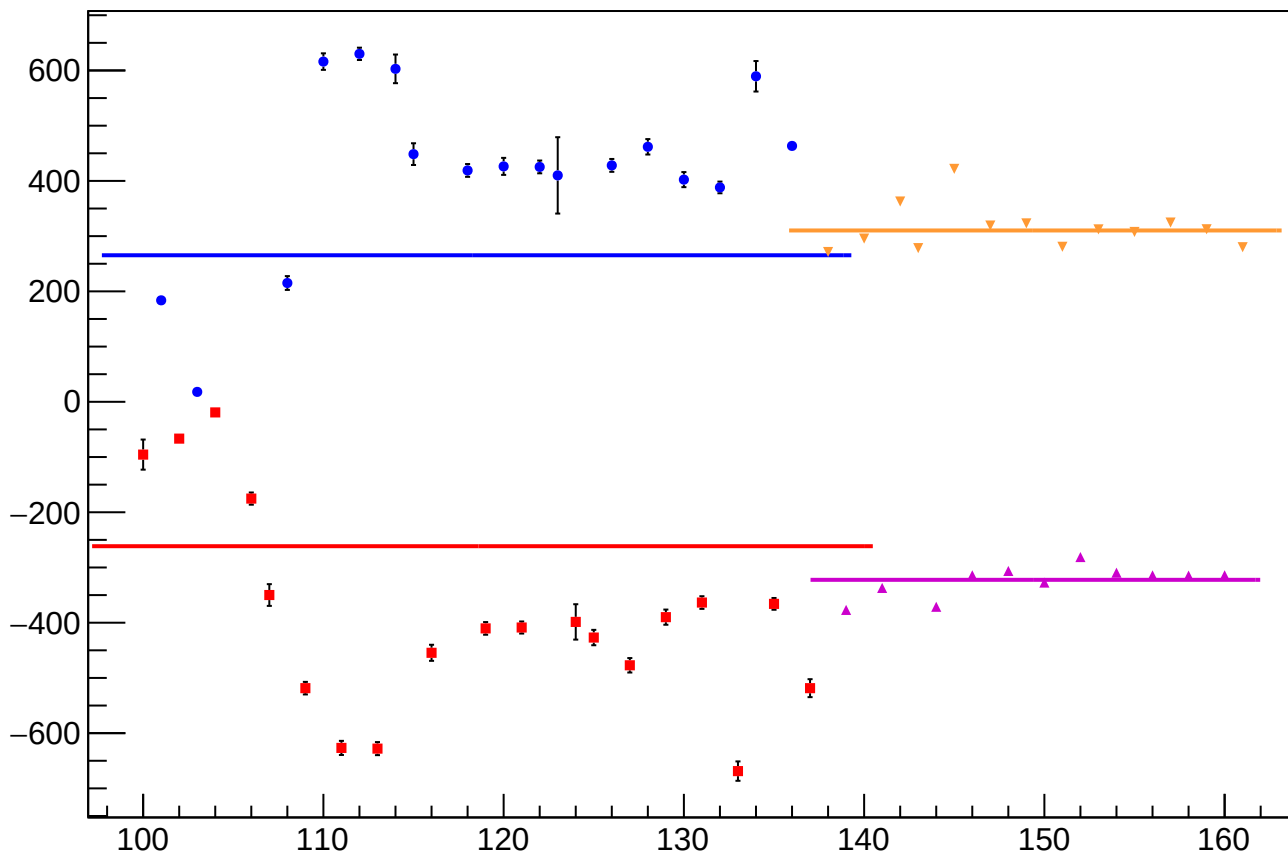
Left In: -13.213 ± 1.091 χ^2/NDF : 159.3/10

5.374 ± 0.839 χ^2/NDF : 467.6/29

-0.777 ± 0.600 χ^2/NDF : 1034.5/59

-7.231 ± 0.860 χ^2/NDF : 456.8/29

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: 310.270 $\pm$ 1.540 χ^2 /NDF: 527.2/12

Right Out: -261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

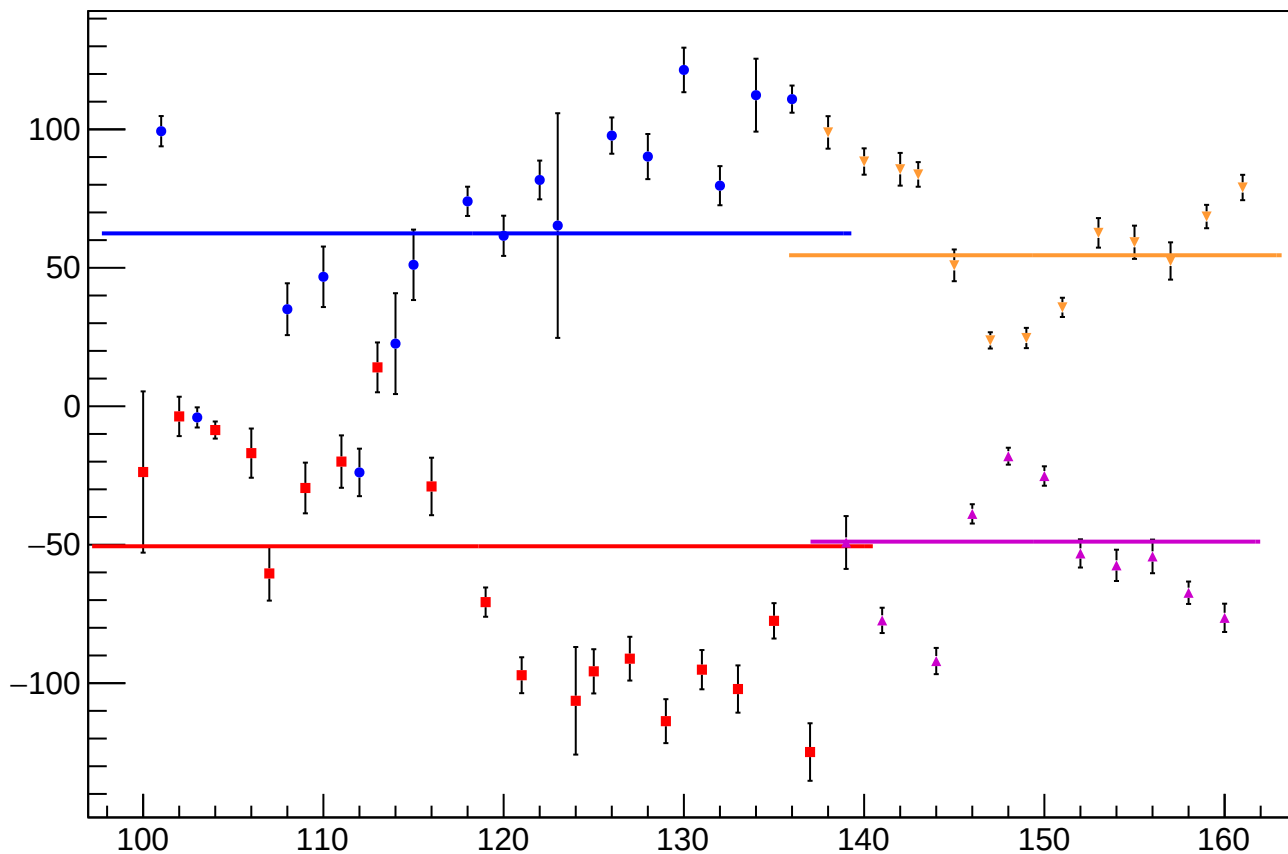
Left In: -322.348 $\pm$ 1.613 χ^2 /NDF: 239.8/10

297.828 $\pm$ 1.310 χ^2 /NDF: 8396.4/29

5.668 $\pm$ 0.939 χ^2 /NDF: 119777.6/59

-304.023 $\pm$ 1.348 χ^2 /NDF: 8873.0/29

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 54.538 $\pm$ 1.245 χ^2 /NDF: 427.1/12

Right Out: -50.560 $\pm$ 1.642 χ^2 /NDF: 657.4/18

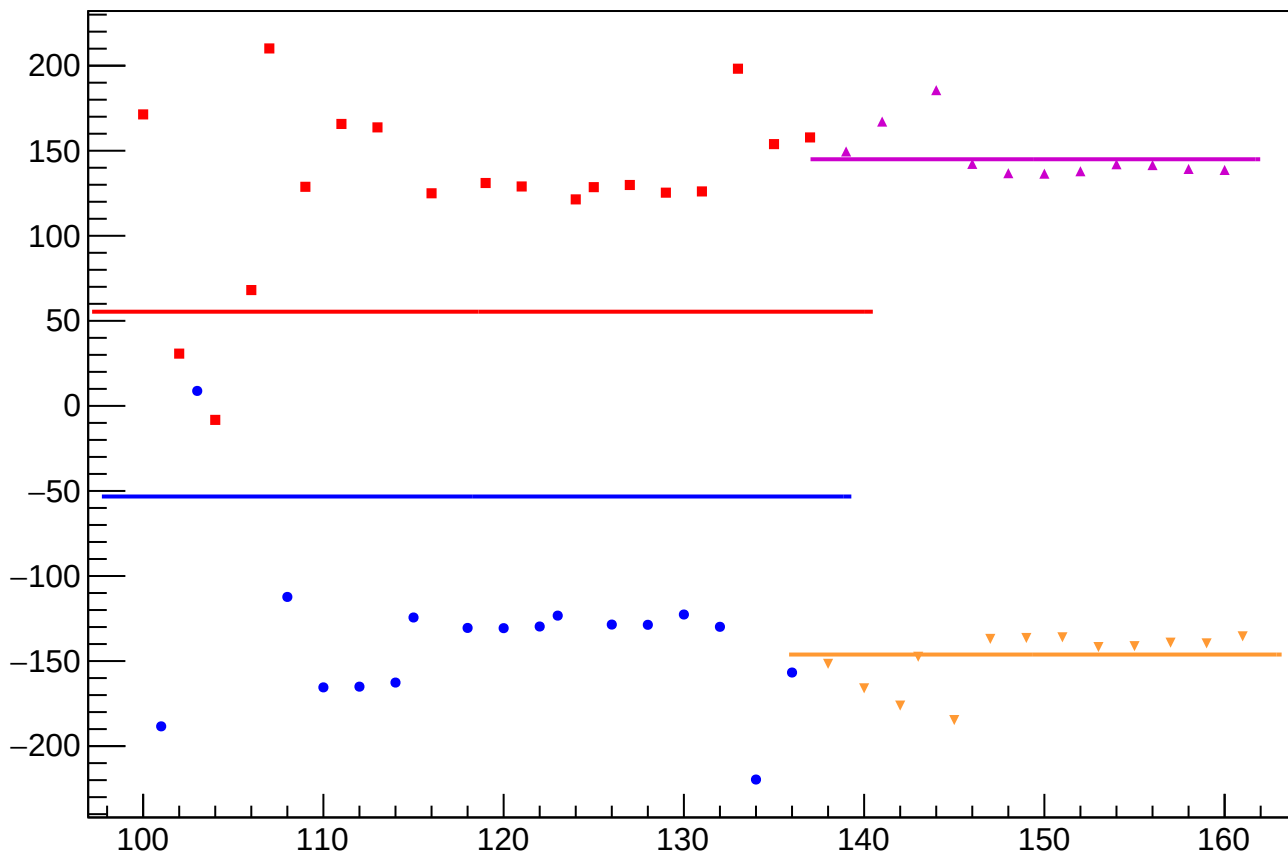
Left In: -48.887 $\pm$ 1.324 χ^2 /NDF: 330.9/10

57.307 $\pm$ 1.003 χ^2 /NDF: 1163.0/29

5.336 $\pm$ 0.719 χ^2 /NDF: 7670.9/59

-49.547 $\pm$ 1.031 χ^2 /NDF: 988.9/29

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -146.170 $\pm$ 0.062 χ^2 /NDF: 53063.7/12

Right Out: 55.373 $\pm$ 0.072 χ^2 /NDF: 967027.2/18

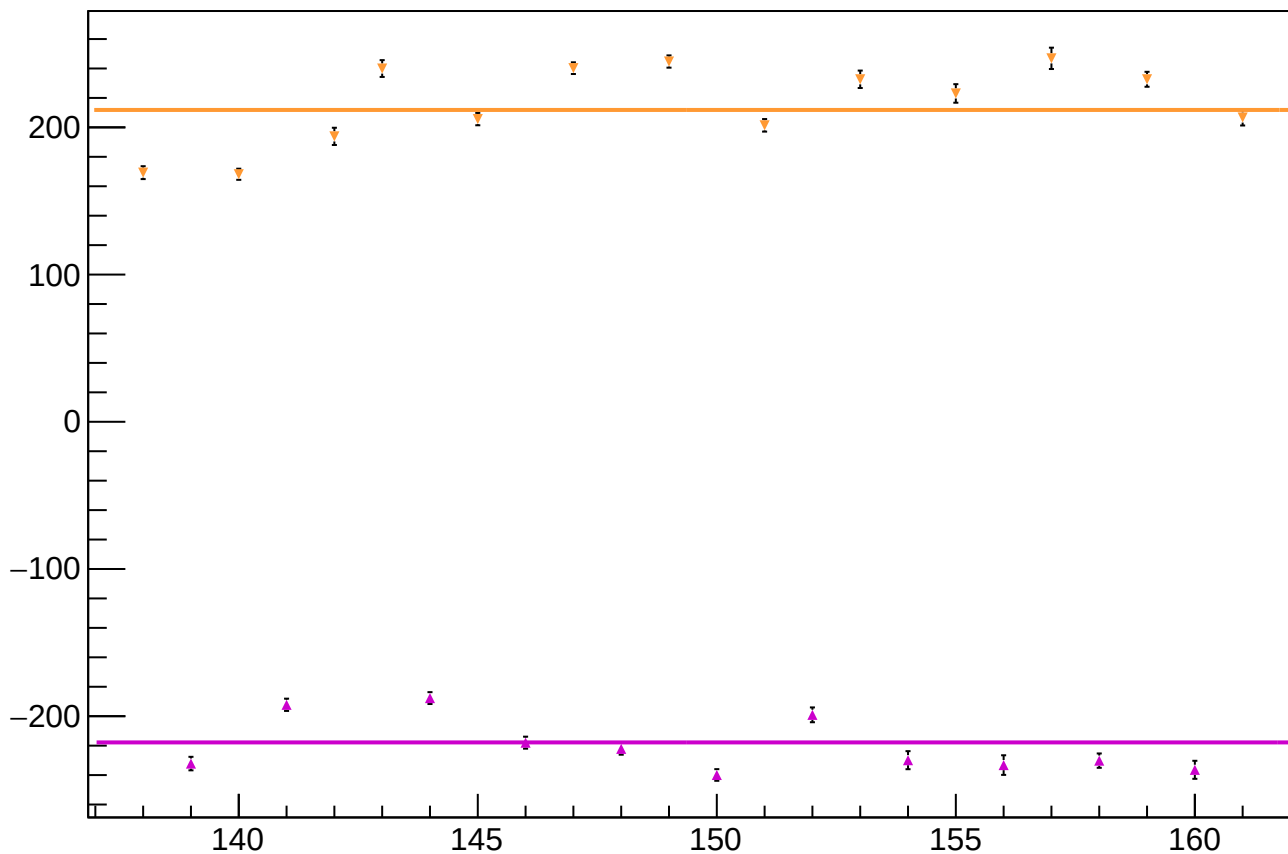
Left In: 144.988 $\pm$ 0.064 χ^2 /NDF: 41273.6/10

-105.699 $\pm$ 0.046 χ^2 /NDF: 2261152.9/29

-3.162 $\pm$ 0.033 χ^2 /NDF: 14158201.2/59

105.404 $\pm$ 0.048 χ^2 /NDF: 1874381.4/29

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 211.834 ± 1.337 χ^2/NDF : 439.9/12

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

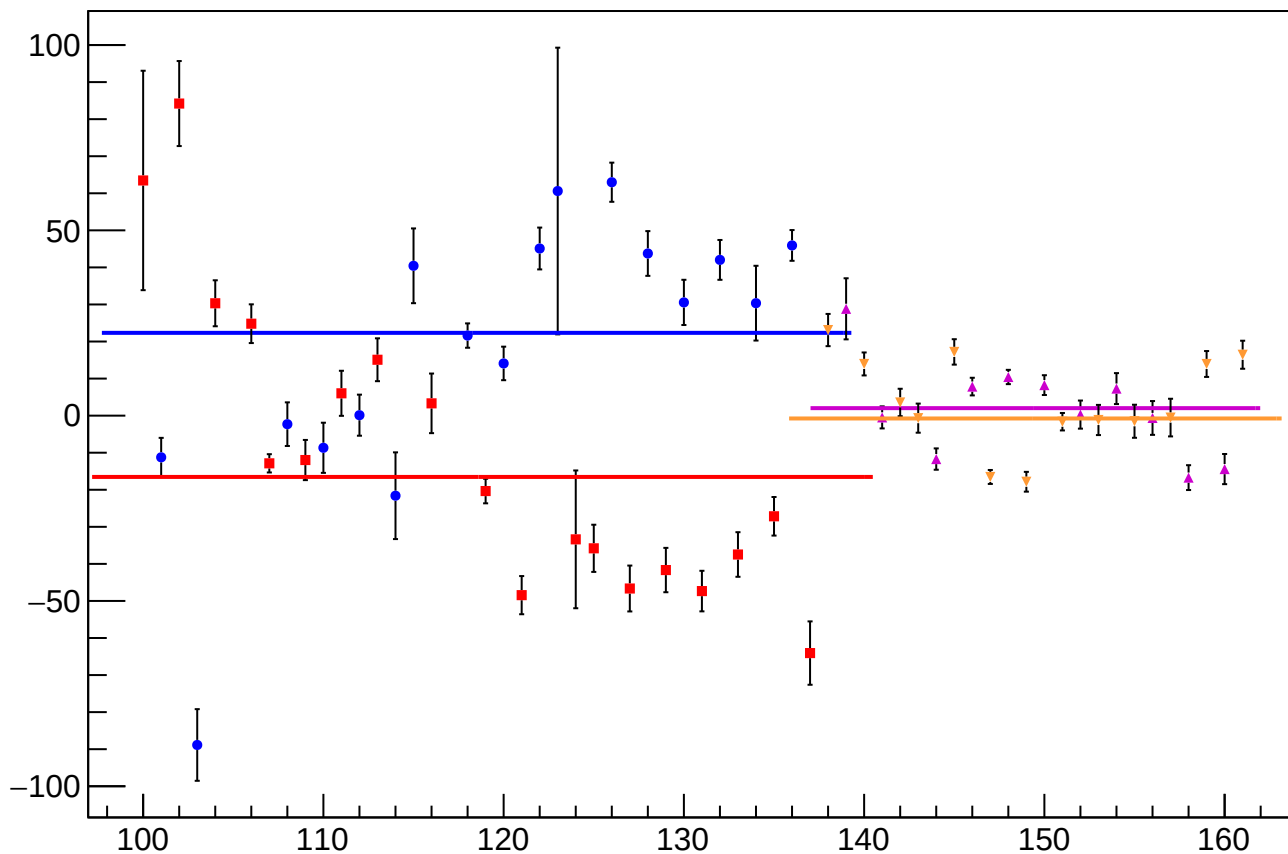
Left In: -217.810 ± 1.399 χ^2/NDF : 174.3/10

211.834 ± 1.337 χ^2/NDF : 439.9/12

6.864 ± 0.967 χ^2/NDF : 49911.6/23

-217.810 ± 1.399 χ^2/NDF : 174.3/10

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: -0.763 ± 0.883 $\chi^2/\text{NDF}: 231.0/12$

Right Out: -16.537 ± 1.227 $\chi^2/\text{NDF}: 426.6/18$

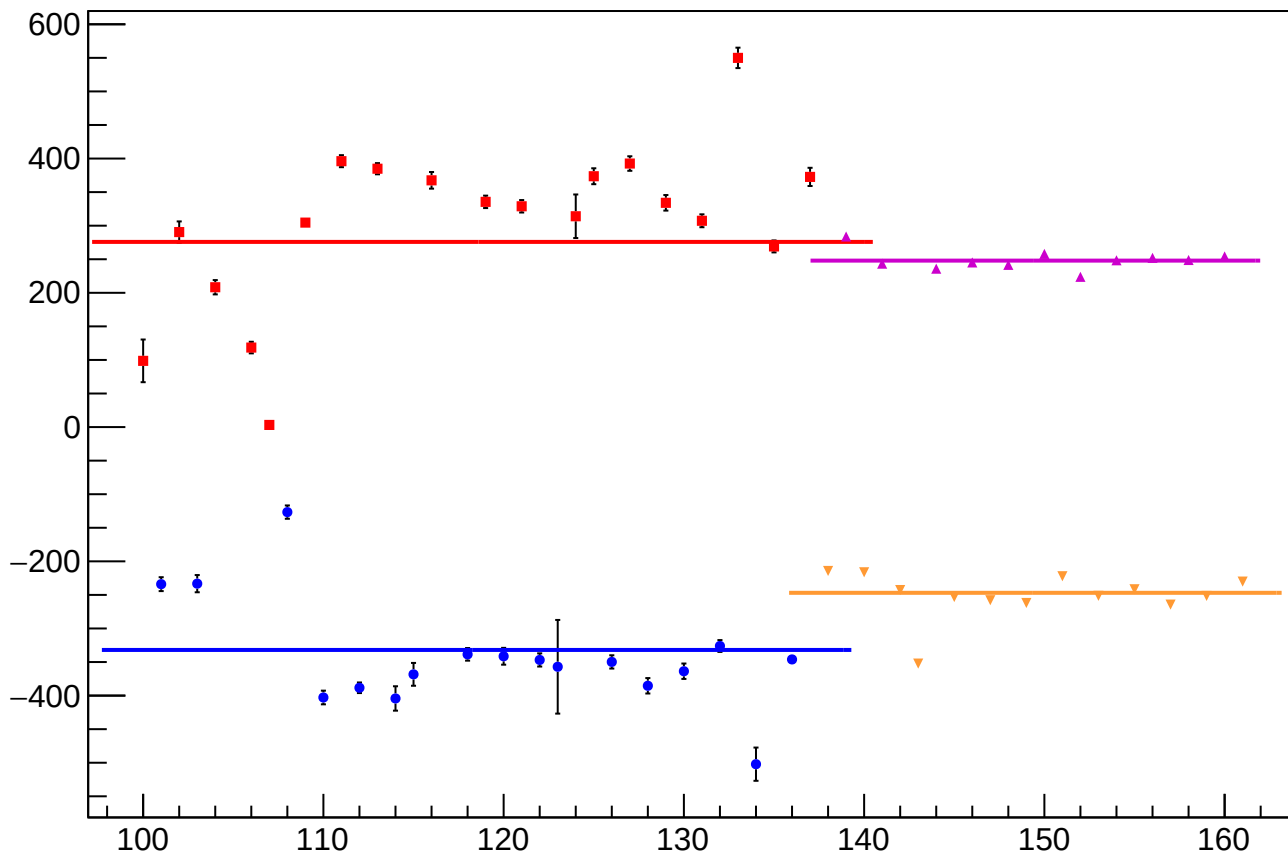
Left In: 2.023 ± 0.929 $\chi^2/\text{NDF}: 114.2/10$

5.842 ± 0.746 $\chi^2/\text{NDF}: 812.7/29$

0.515 ± 0.526 $\chi^2/\text{NDF}: 1600.2/59$

-4.740 ± 0.741 $\chi^2/\text{NDF}: 686.1/29$

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: -246.881+/-1.319 χ^2/NDF : 486.8/12

Right Out: 275.842+/-2.325 χ^2/NDF : 3362.2/18

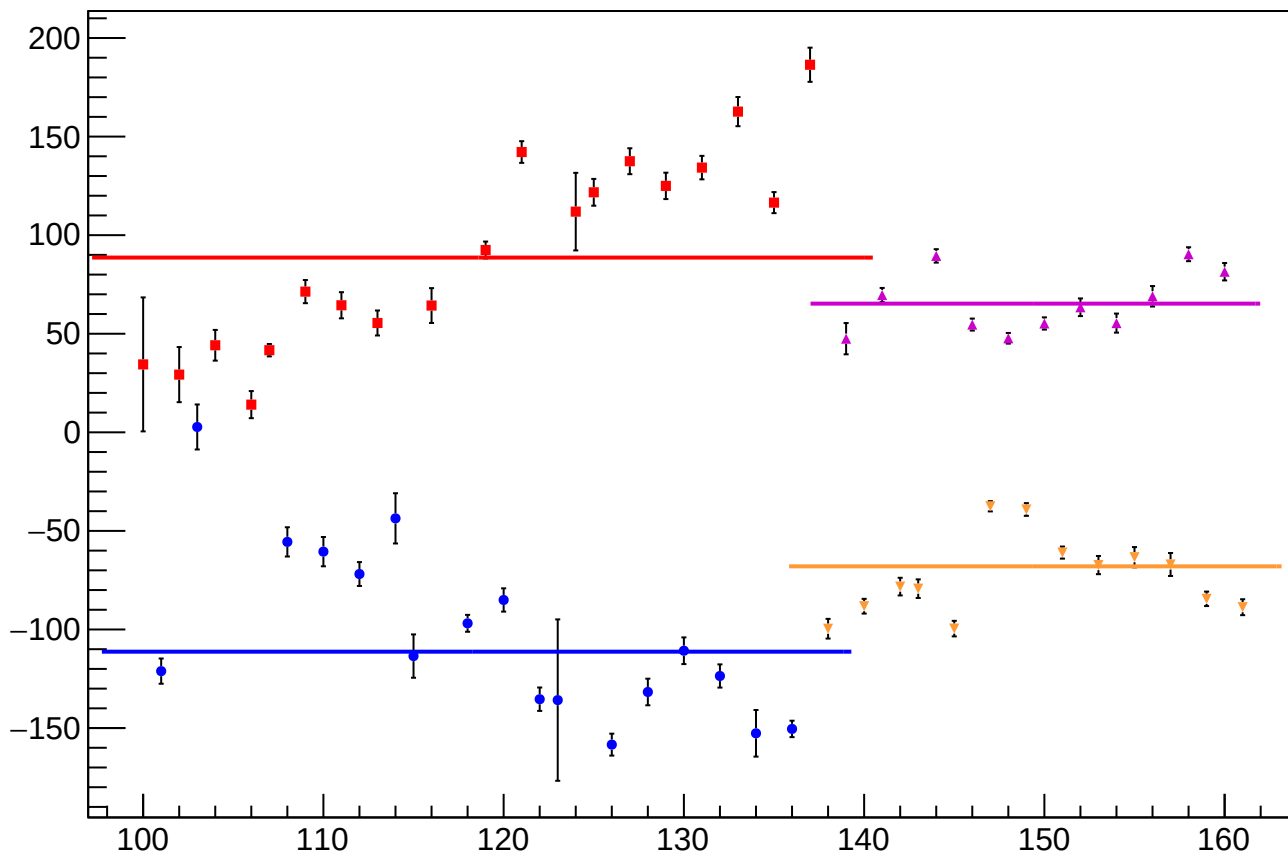
Left In: 247.964+/-1.366 χ^2/NDF : 98.3/10

-264.514+/-1.174 χ^2/NDF : 2134.4/29

-5.462+/-0.832 χ^2/NDF : 103297.0/59

255.122+/-1.178 χ^2/NDF : 3567.4/29

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: -67.979 ± 1.071 χ^2/NDF : 414.3/12

Right Out: 88.633 ± 1.433 χ^2/NDF : 971.0/18

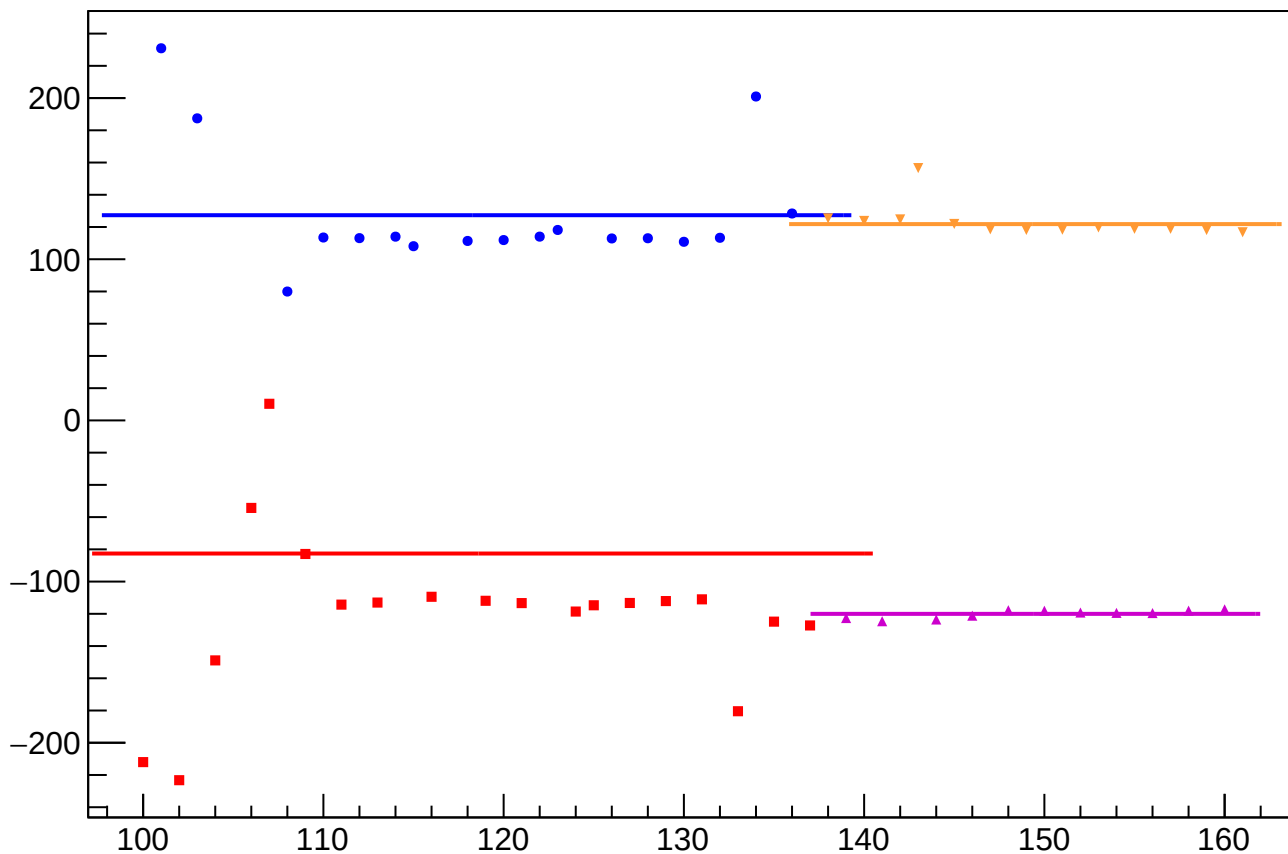
Left In: 65.272 ± 1.125 χ^2/NDF : 190.6/10

-81.410 ± 0.890 χ^2/NDF : 1430.3/29

-3.183 ± 0.627 χ^2/NDF : 18129.8/59

74.178 ± 0.885 χ^2/NDF : 1326.0/29

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 121.804+/-0.053 χ^2/NDF :23630.0/12

Right Out: -82.595+/-0.075 χ^2/NDF : 765022.5/18

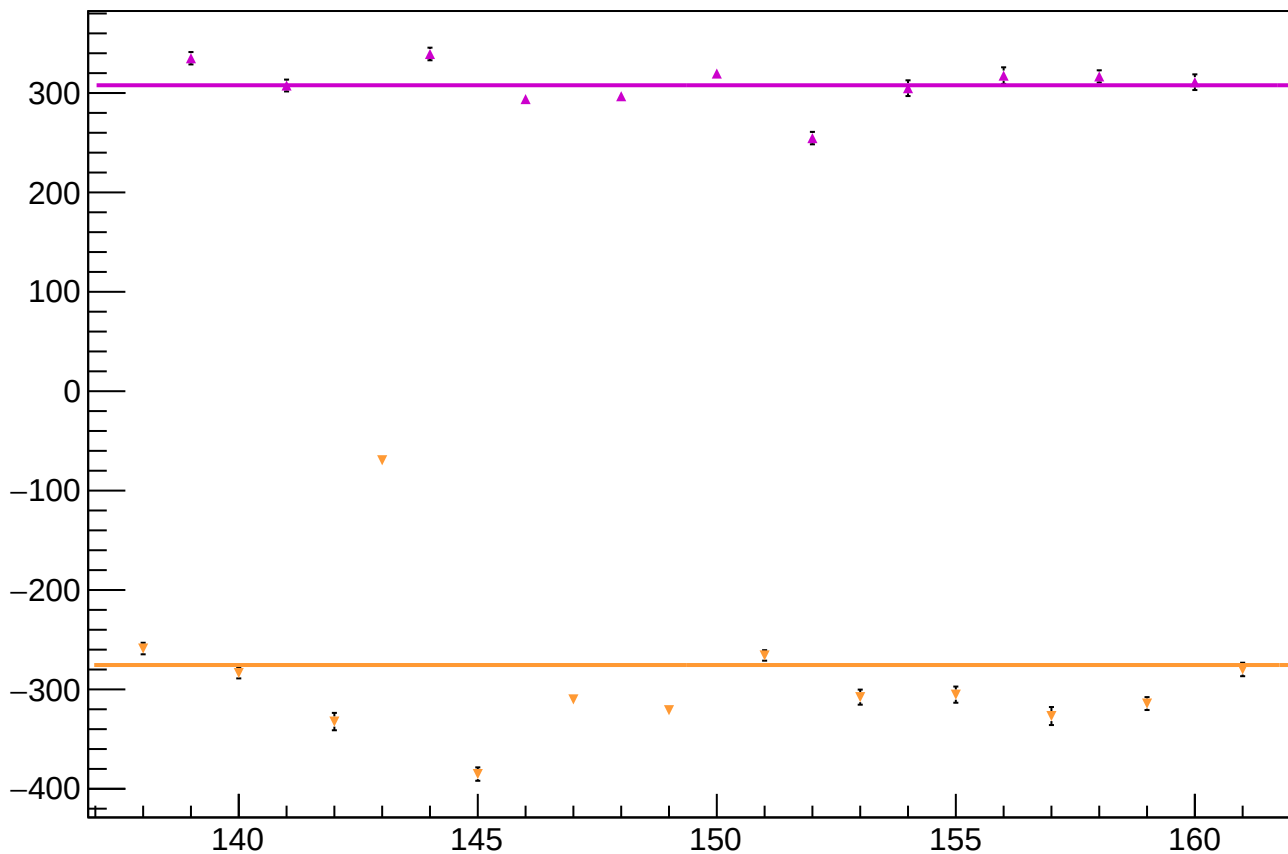
Left In: -120.029+/-0.054 χ^2/NDF :1974.1/10

123.235+/-0.046 χ^2/NDF : 214226.8/29

4.144+/-0.032 χ^2/NDF : 14379689.5/59

-107.248+/-0.044 χ^2/NDF : 929437.9/29

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -275.473+/-1.696 χ^2/NDF : 2301.7/12

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

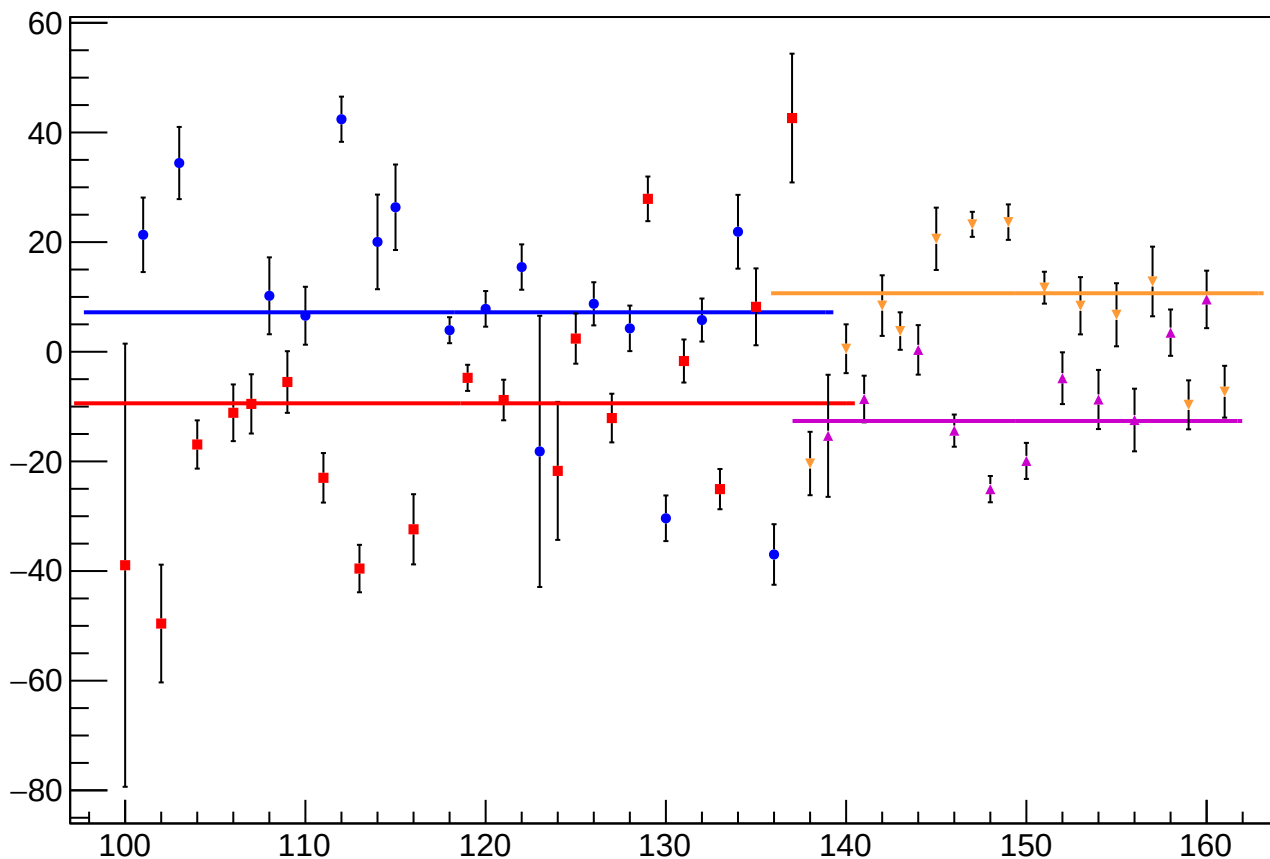
Left In: 307.806+/-1.830 χ^2/NDF : 137.8/10

-275.473+/-1.696 χ^2/NDF : 2301.7/12

-5.977+/-1.244 χ^2/NDF : 57100.4/23

307.806+/-1.830 χ^2/NDF : 137.8/10

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 10.674 ± 1.103 χ^2/NDF : 123.8/12

Right Out: -9.403 ± 1.071 χ^2/NDF : 232.2/18

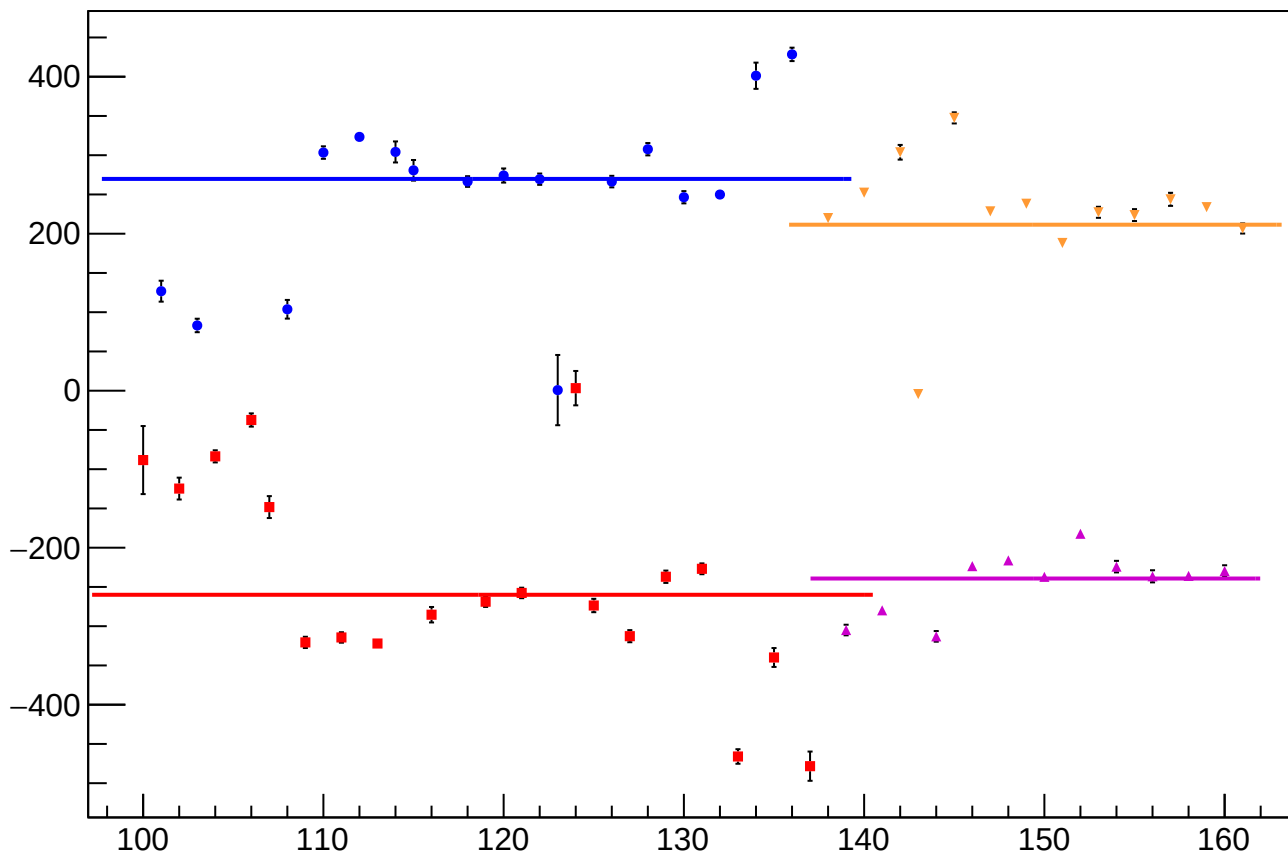
Left In: -12.628 ± 1.198 χ^2/NDF : 76.9/10

8.936 ± 0.780 χ^2/NDF : 389.6/29

-0.717 ± 0.558 χ^2/NDF : 1016.4/59

-10.835 ± 0.799 χ^2/NDF : 313.1/29

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: 211.479 ± 1.668 χ^2/NDF : 2307.7/12

Right Out: -259.980 ± 1.977 χ^2/NDF : 2538.6/18

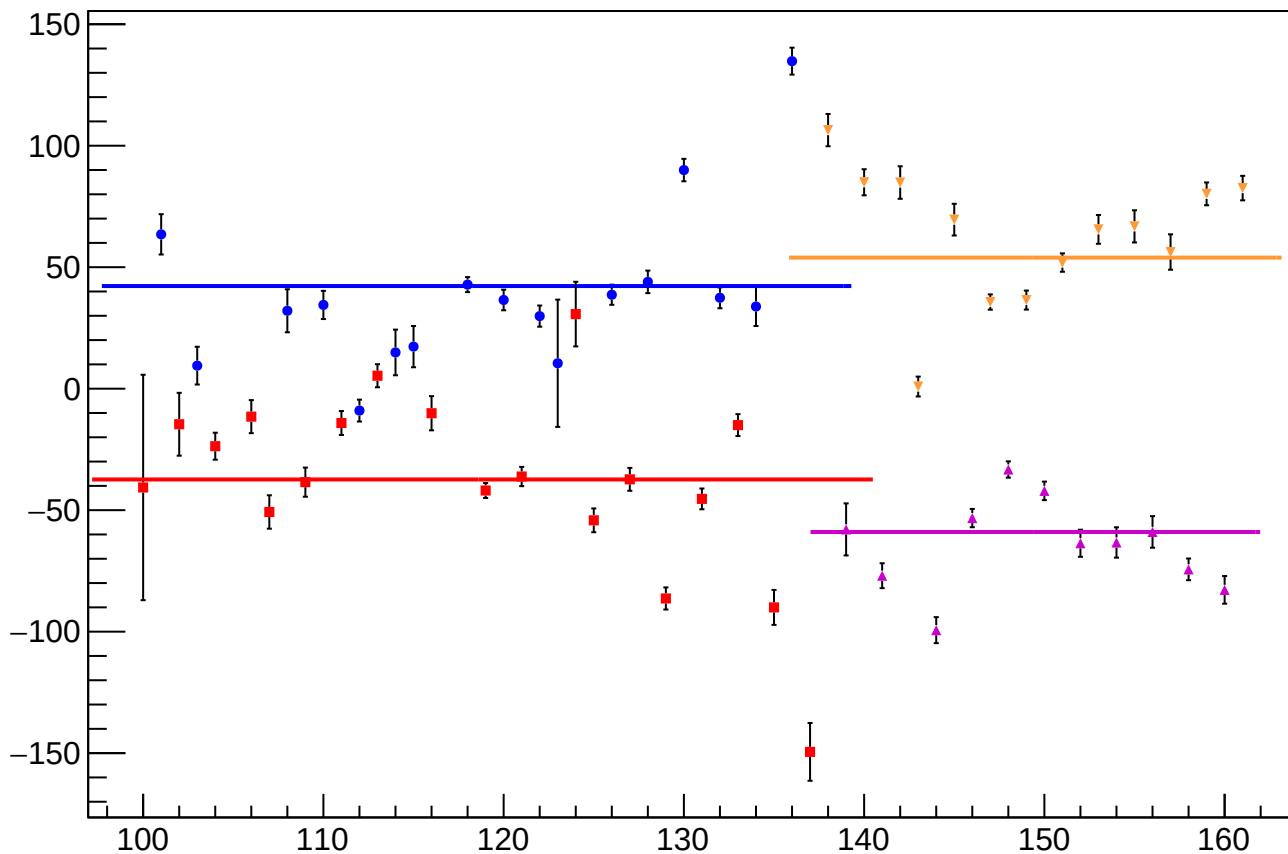
Left In: -239.271 ± 1.773 χ^2/NDF : 385.3/10

234.179 ± 1.303 χ^2/NDF : 4158.0/29

-4.100 ± 0.927 χ^2/NDF : 74854.1/59

-248.503 ± 1.320 χ^2/NDF : 2984.7/29

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: 53.948 ± 1.344 $\chi^2/\text{NDF}: 416.1/12$

Right Out: -37.367 ± 1.235 $\chi^2/\text{NDF}: 472.3/18$

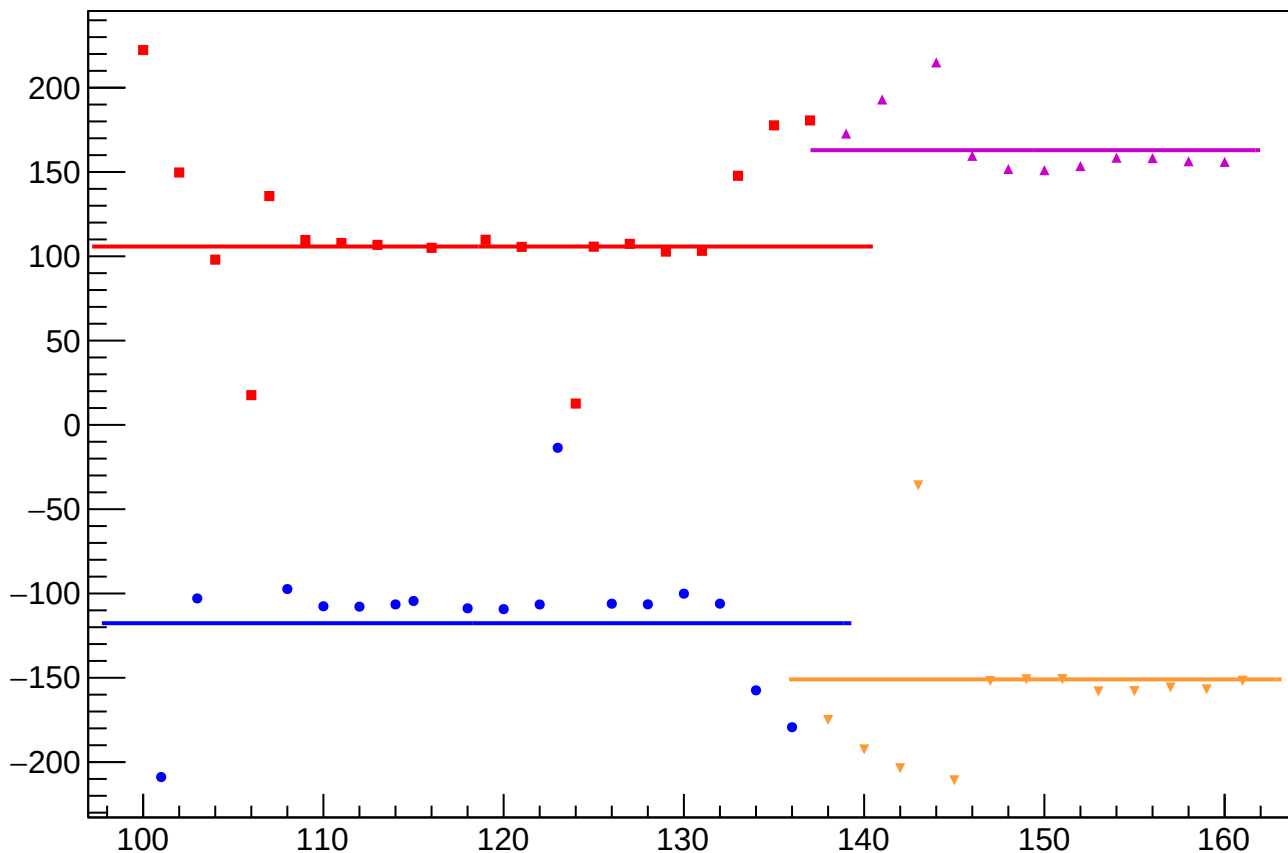
Left In: -58.990 ± 1.455 $\chi^2/\text{NDF}: 180.5/10$

47.780 ± 0.924 $\chi^2/\text{NDF}: 1030.5/29$

1.535 ± 0.660 $\chi^2/\text{NDF}: 6908.6/59$

-46.416 ± 0.941 $\chi^2/\text{NDF}: 781.2/29$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625 ± 0.079 $\chi^2/\text{NDF}: 141872.3/16$

Left Out: -150.945 ± 0.067 $\chi^2/\text{NDF}: 403236.4/12$

Right Out: 105.807 ± 0.073 $\chi^2/\text{NDF}: 323108.1/18$

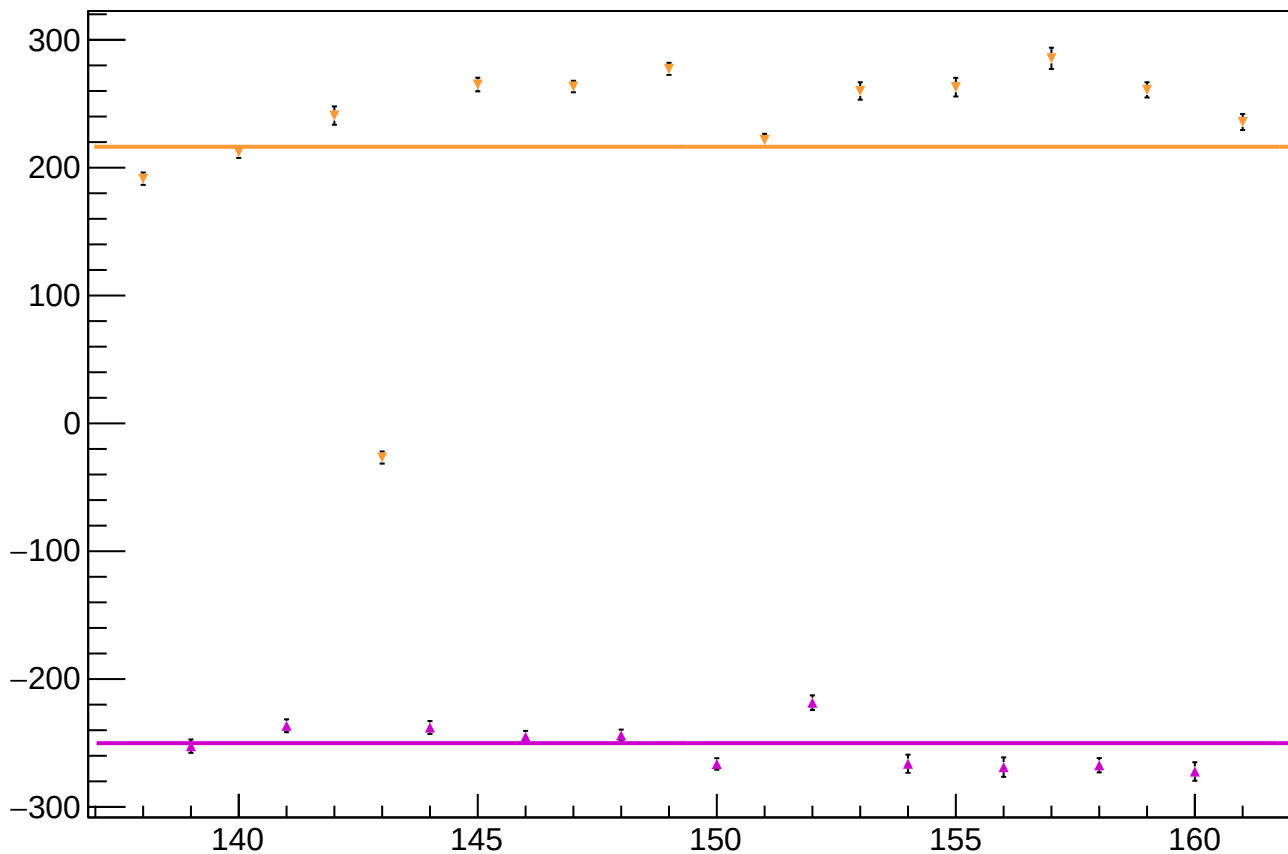
Left In: 162.936 ± 0.070 $\chi^2/\text{NDF}: 57087.9/10$

-136.899 ± 0.051 $\chi^2/\text{NDF}: 649254.0/29$

0.212 ± 0.036 $\chi^2/\text{NDF}: 15706419.6/59$

135.332 ± 0.051 $\chi^2/\text{NDF}: 698339.8/29$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 216.361 +/- 1.518 χ^2/NDF : 3228.7/12

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

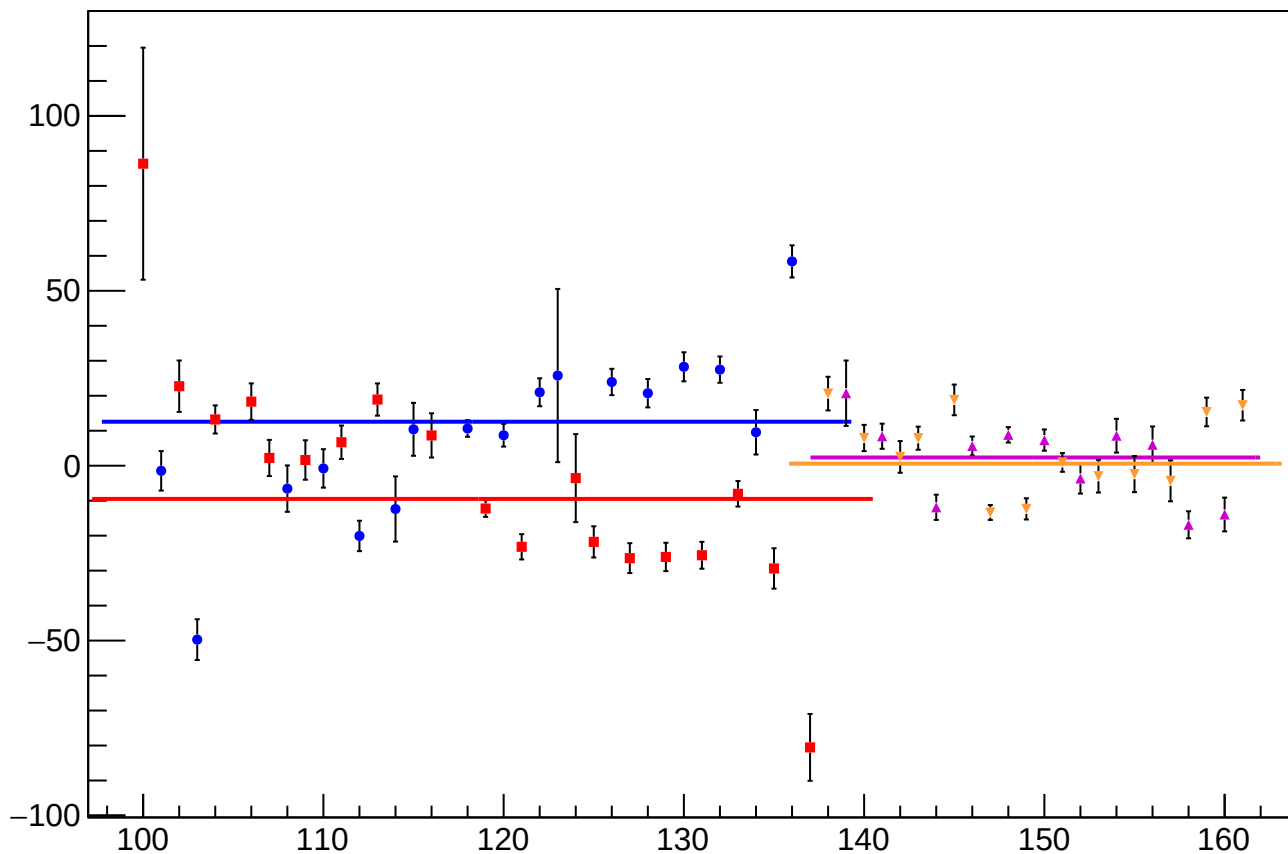
Left In: -250.134 +/- 1.628 χ^2/NDF : 89.6/10

216.361 +/- 1.518 χ^2/NDF : 3228.7/12

-0.470 +/- 1.110 χ^2/NDF : 47234.8/23

-250.134 +/- 1.628 χ^2/NDF : 89.6/10

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 ± 1.074 $\chi^2/\text{NDF}: 348.0/16$

Left Out: 0.585 ± 1.000 $\chi^2/\text{NDF}: 133.9/12$

Right Out: -9.493 ± 1.047 $\chi^2/\text{NDF}: 295.8/18$

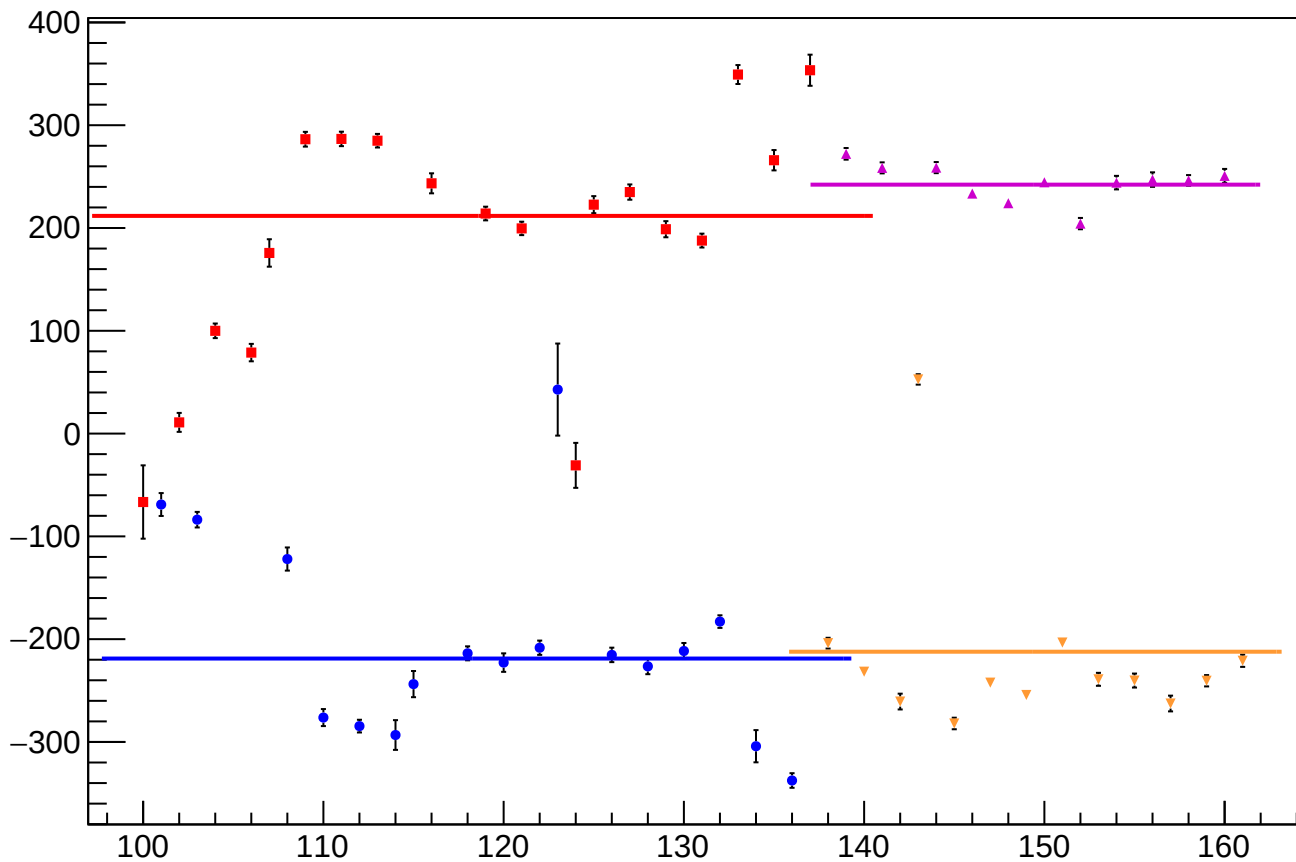
Left In: 2.347 ± 1.079 $\chi^2/\text{NDF}: 75.3/10$

6.154 ± 0.732 $\chi^2/\text{NDF}: 548.6/29$

1.333 ± 0.524 $\chi^2/\text{NDF}: 1070.8/59$

-3.749 ± 0.752 $\chi^2/\text{NDF}: 433.1/29$

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: -212.208 ± 1.500 χ^2/NDF : 3188.4/12

Right Out: 211.780 ± 1.924 χ^2/NDF : 1885.2/18

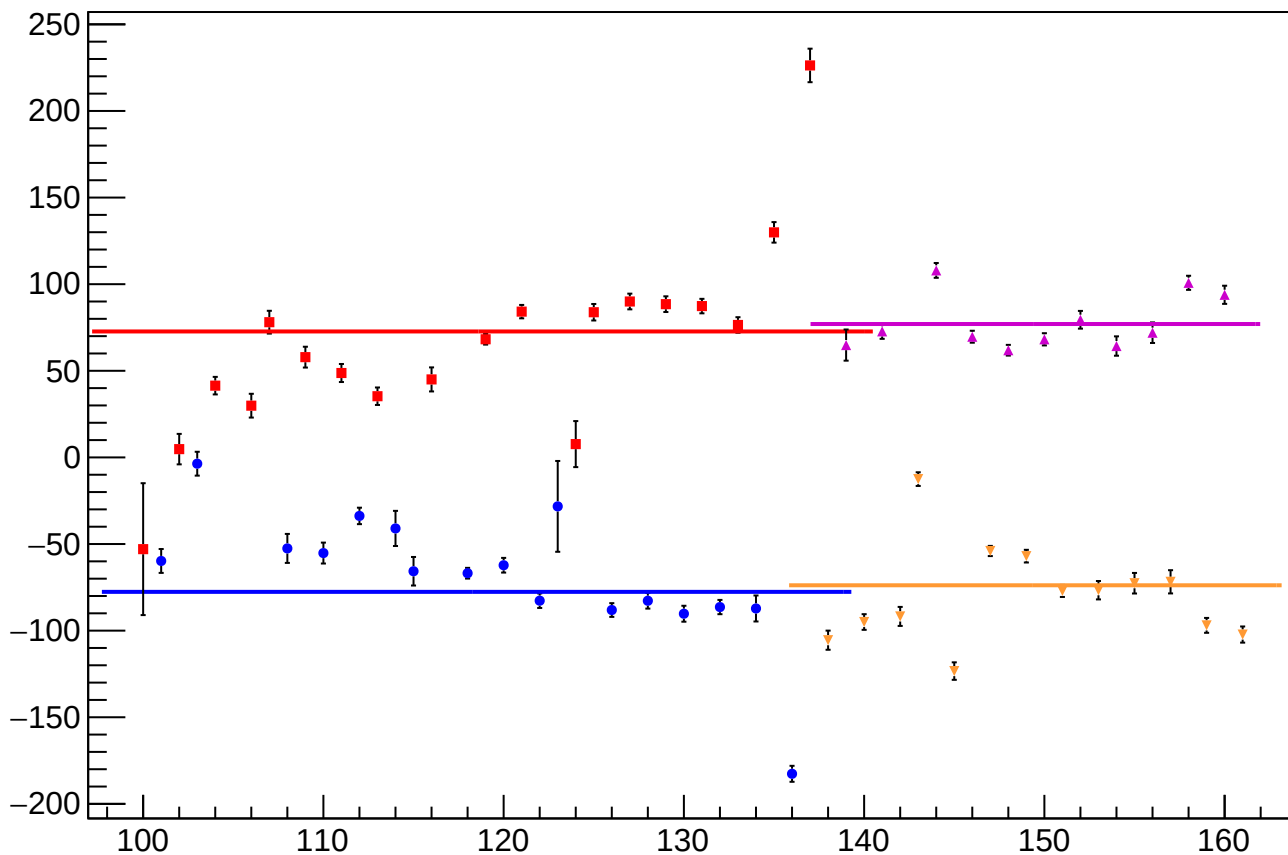
Left In: 242.175 ± 1.586 χ^2/NDF : 118.8/10

-214.566 ± 1.205 χ^2/NDF : 4341.9/29

4.126 ± 0.859 χ^2/NDF : 73475.9/59

229.873 ± 1.224 χ^2/NDF : 2152.6/29

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -73.814 ± 1.216 χ^2/NDF : 536.2/12

Right Out: 72.710 ± 1.206 χ^2/NDF : 671.4/18

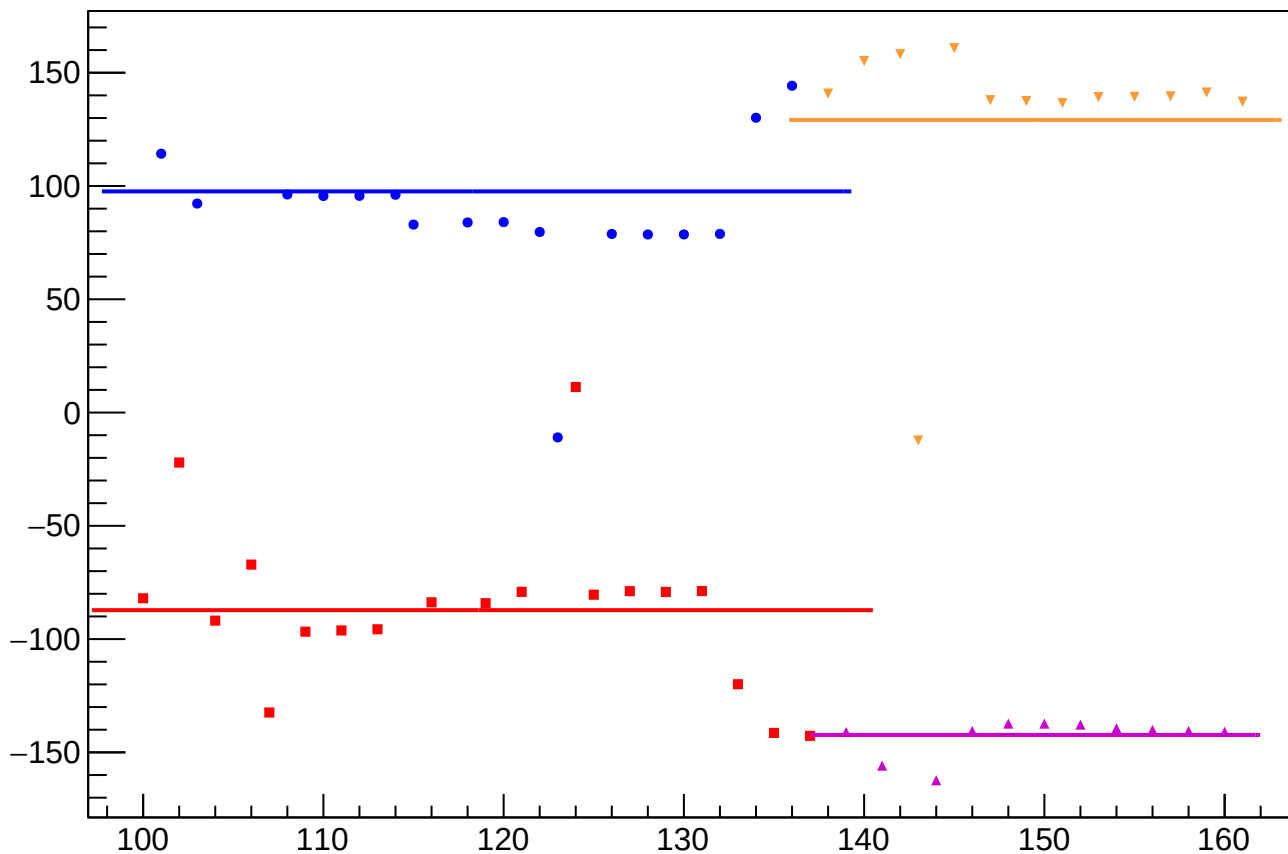
Left In: 77.004 ± 1.308 χ^2/NDF : 140.5/10

-75.680 ± 0.867 χ^2/NDF : 1356.9/29

-2.195 ± 0.620 χ^2/NDF : 16880.1/59

74.684 ± 0.887 χ^2/NDF : 817.7/29

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 129.164+/-0.060 χ^2/NDF : 548438.1/12

Right Out: -87.226+/-0.068 χ^2/NDF : 220850.5/18

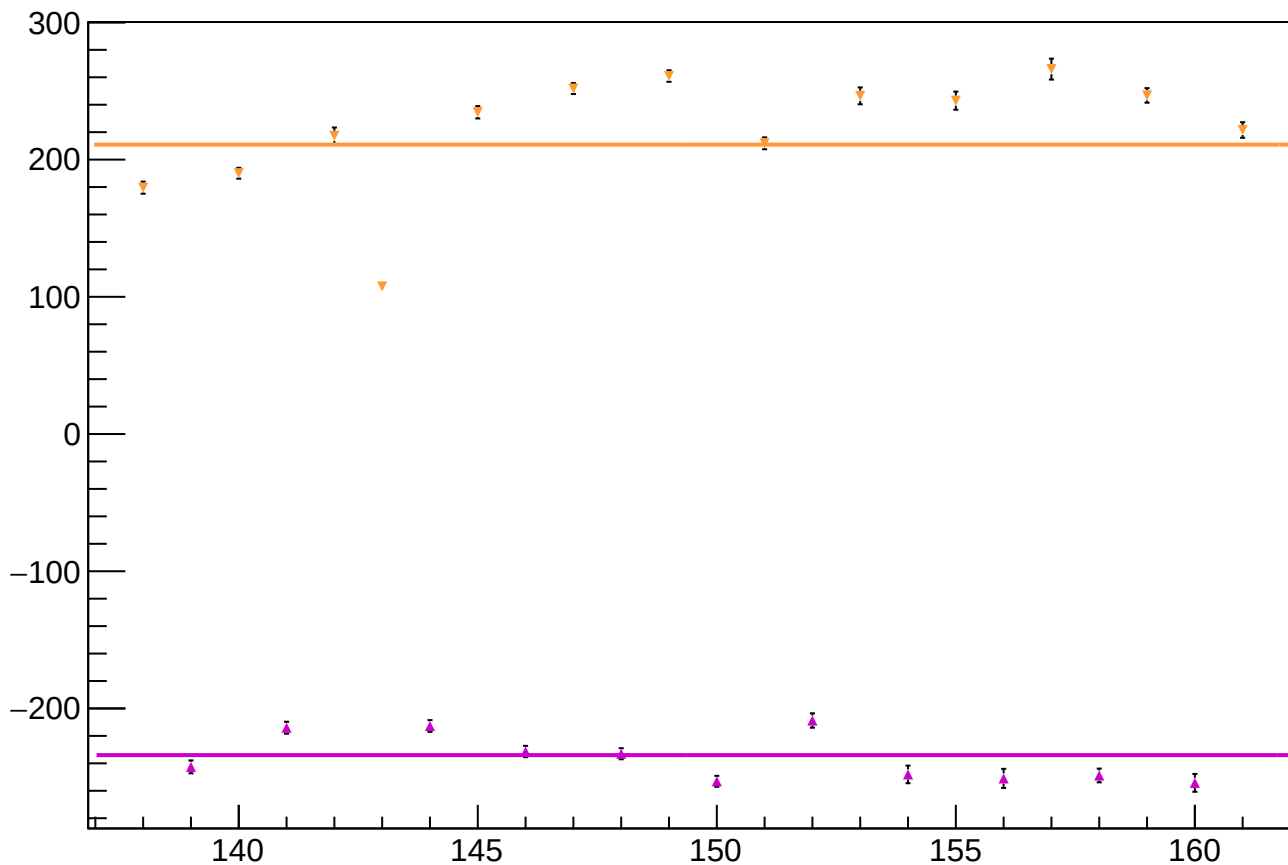
Left In: -142.311+/-0.063 χ^2/NDF : 13512.7/10

116.541+/-0.047 χ^2/NDF : 752331.2/29

-1.105+/-0.033 χ^2/NDF : 13974678.2/59

-116.996+/-0.046 χ^2/NDF : 586220.8/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 210.926+/-1.320 χ^2/NDF :1341.7/12

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

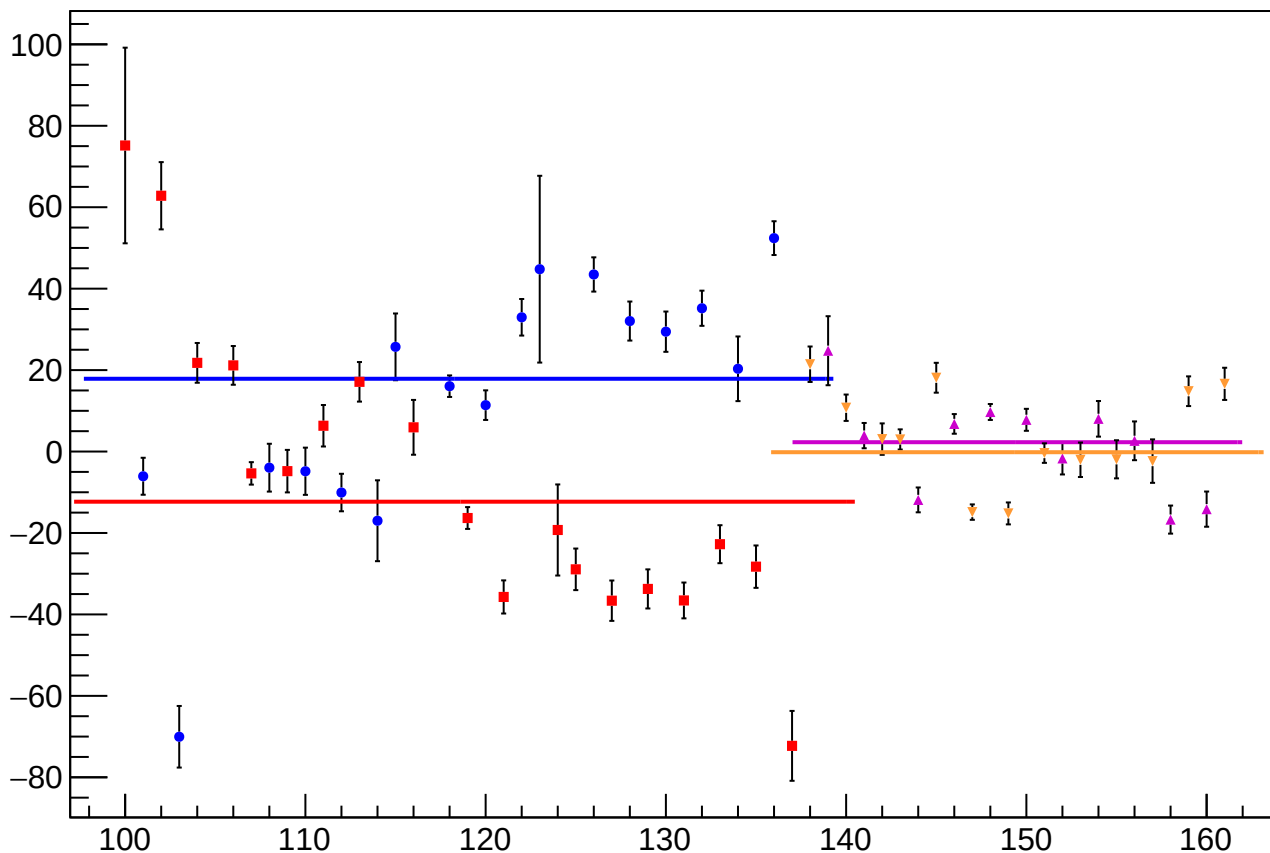
Left In: -233.983+/-1.445 χ^2/NDF :124.6/10

210.926+/-1.320 χ^2/NDF : 1341.7/12

8.580+/-0.975 χ^2/NDF : 53149.3/23

-233.983+/-1.445 χ^2/NDF : 124.6/10

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 ± 1.166 χ^2/NDF : 395.3/16

Left Out: -0.164 ± 0.871 χ^2/NDF : 190.0/12

Right Out: -12.317 ± 1.083 χ^2/NDF : 444.0/18

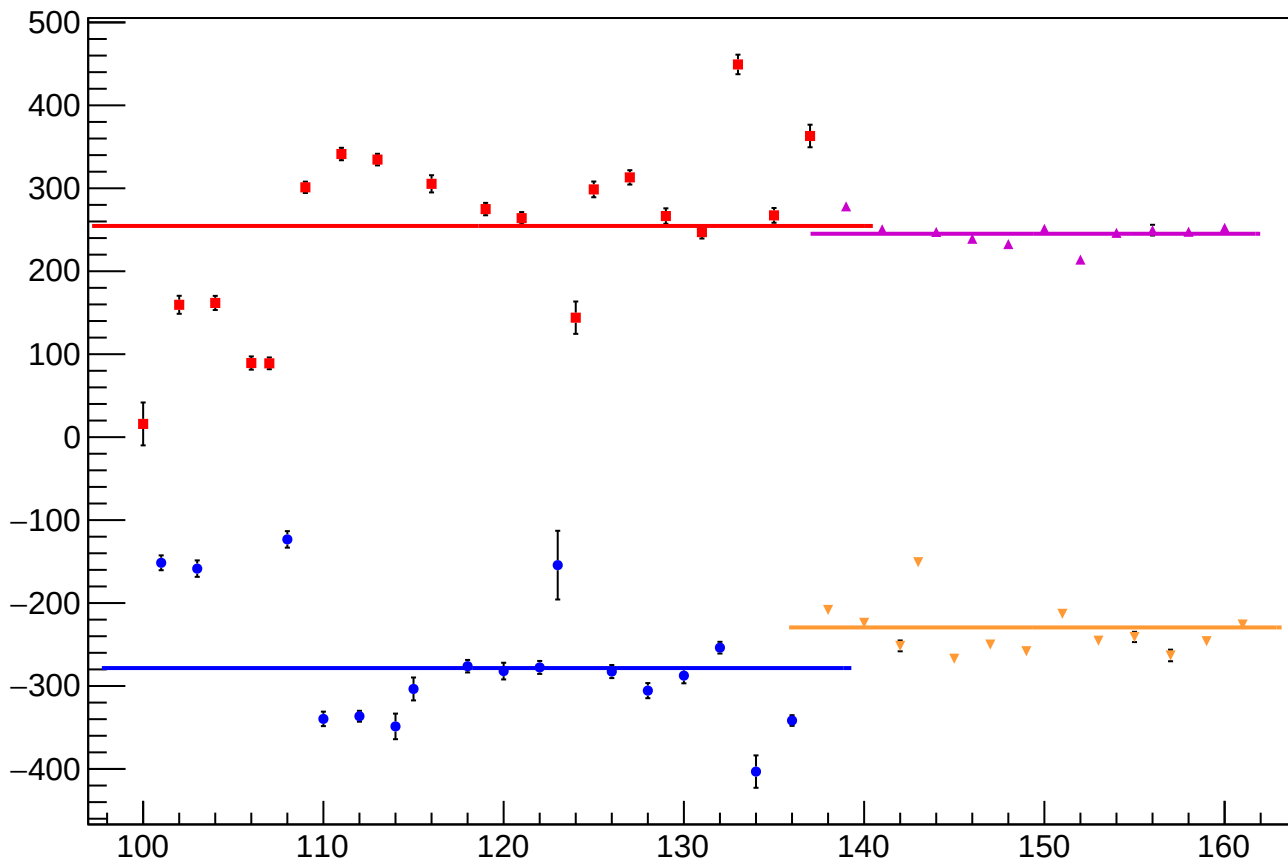
Left In: 2.293 ± 0.956 χ^2/NDF : 98.5/10

6.294 ± 0.698 χ^2/NDF : 739.0/29

1.236 ± 0.500 χ^2/NDF : 1491.9/59

-4.105 ± 0.717 χ^2/NDF : 644.8/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 $\pm$ 2.185 χ^2 /NDF: 910.6/16

Left Out: -229.408 $\pm$ 1.310 χ^2 /NDF:663.4/12

Right Out: 254.603 $\pm$ 2.020 χ^2 /NDF: 2037.5/18

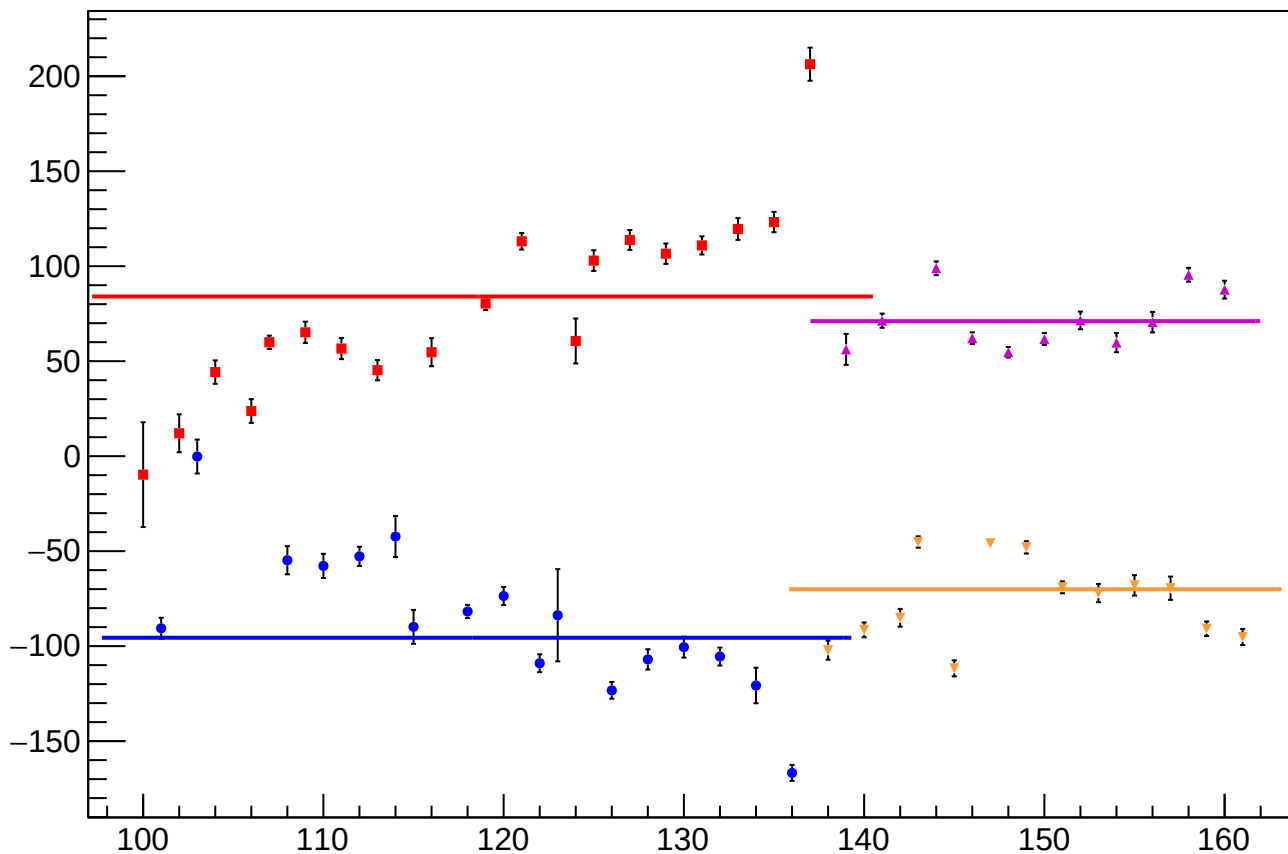
Left In: 245.192 $\pm$ 1.410 χ^2 /NDF:99.5/10

-242.352 $\pm$ 1.123 χ^2 /NDF: 1943.6/29

-4.062 $\pm$ 0.806 χ^2 /NDF: 96753.8/59

248.274 $\pm$ 1.156 χ^2 /NDF: 2151.6/29

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: -70.032 ± 1.058 χ^2/NDF : 445.8/12

Right Out: 84.062 ± 1.257 χ^2/NDF : 783.2/18

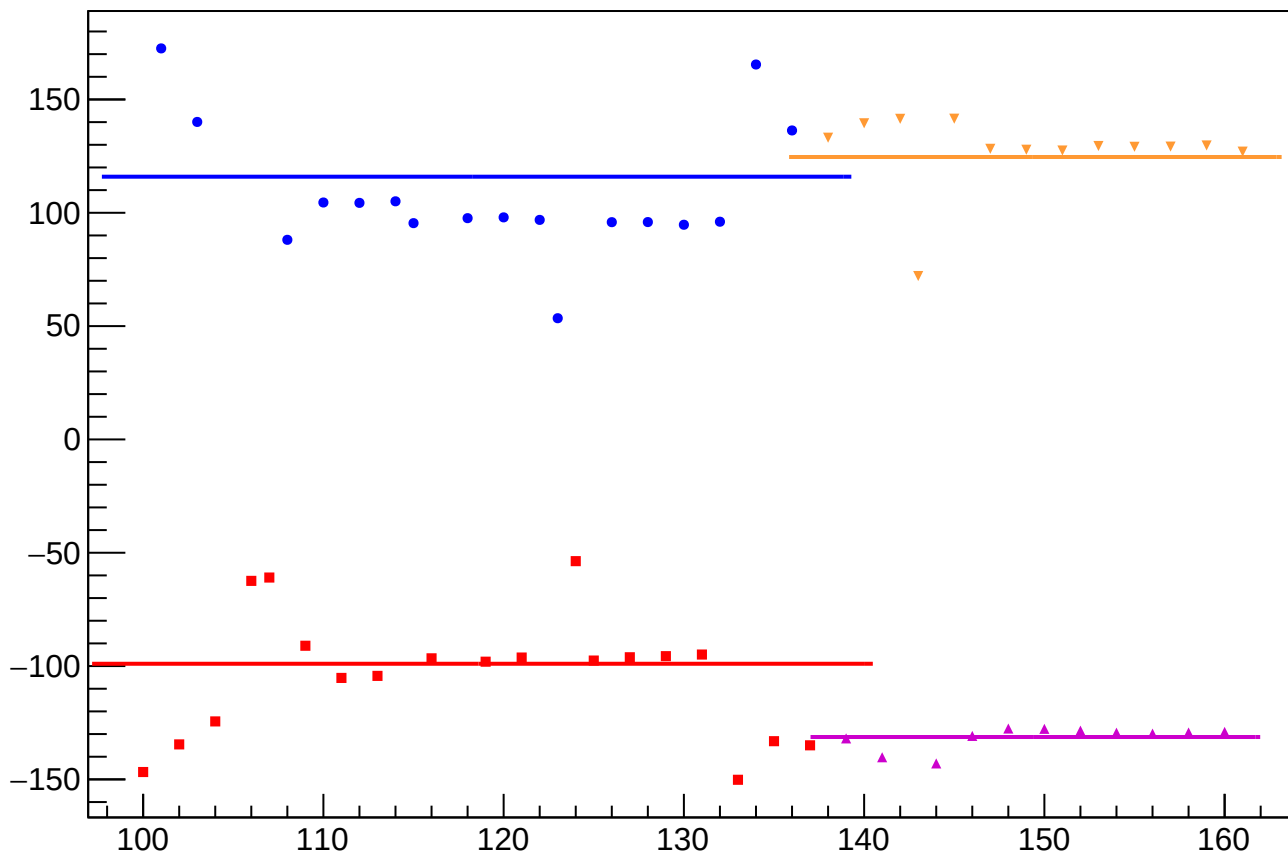
Left In: 71.078 ± 1.160 χ^2/NDF : 178.4/10

-79.839 ± 0.831 χ^2/NDF : 1340.7/29

-3.409 ± 0.595 χ^2/NDF : 19740.9/59

77.049 ± 0.852 χ^2/NDF : 1019.2/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927+/-0.078 χ^2/NDF : 105791.4/16

Left Out: 124.615+/-0.053 χ^2/NDF : 141384.7/12

Right Out: -98.981+/-0.069 χ^2/NDF : 172974.2/18

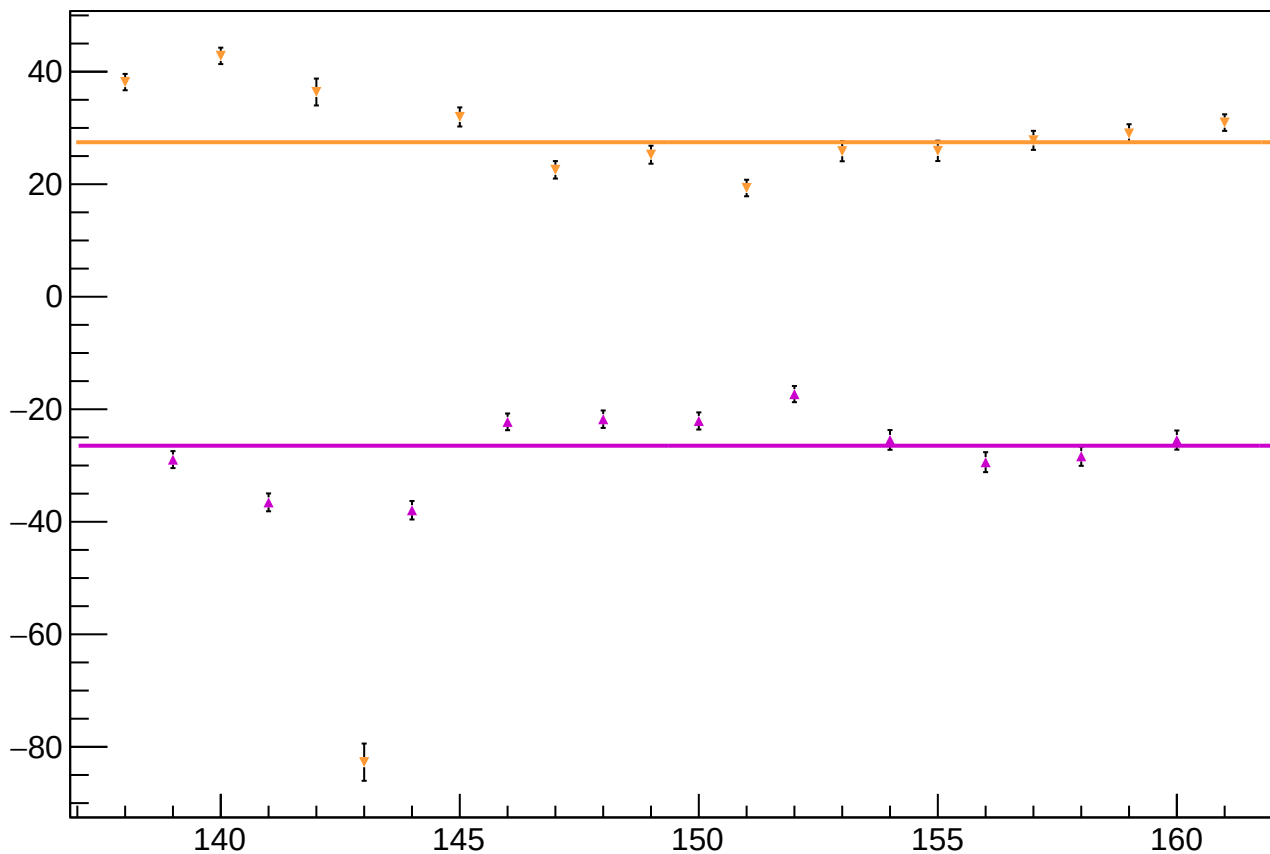
Left In: -131.299+/-0.056 χ^2/NDF : 7321.8/10

121.914+/-0.044 χ^2/NDF : 255634.0/29

0.894+/-0.031 χ^2/NDF : 15778038.6/59

-118.344+/-0.043 χ^2/NDF : 313461.5/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 27.462+/-0.465 χ^2/NDF :1344.1/12

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

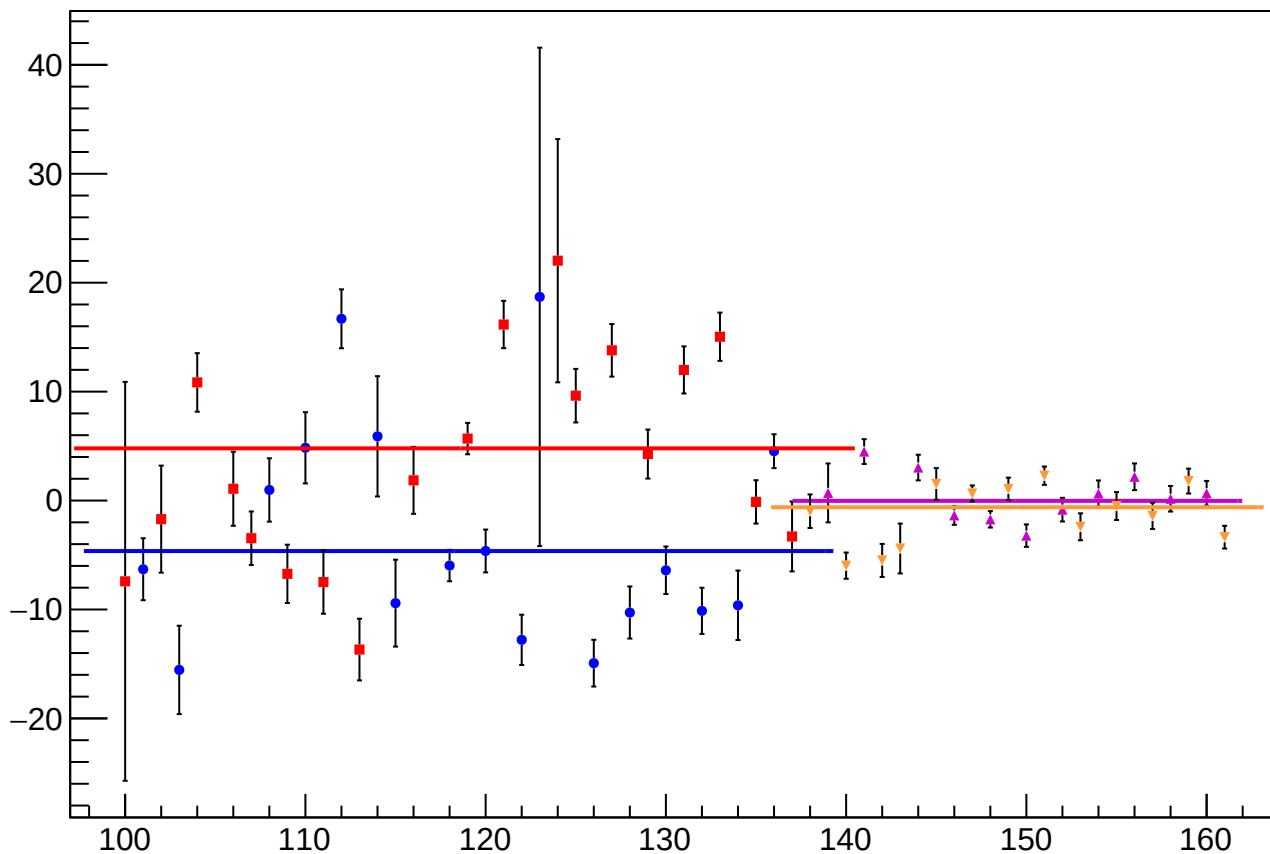
Left In: -26.477+/-0.481 χ^2/NDF :162.8/10

27.462+/-0.465 χ^2/NDF : 1344.1/12

1.373+/-0.334 χ^2/NDF : 8001.5/23

-26.477+/-0.481 χ^2/NDF : 162.8/10

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: -0.615 ± 0.316 χ^2/NDF : 66.6/12

Right Out: 4.791 ± 0.585 χ^2/NDF : 192.5/18

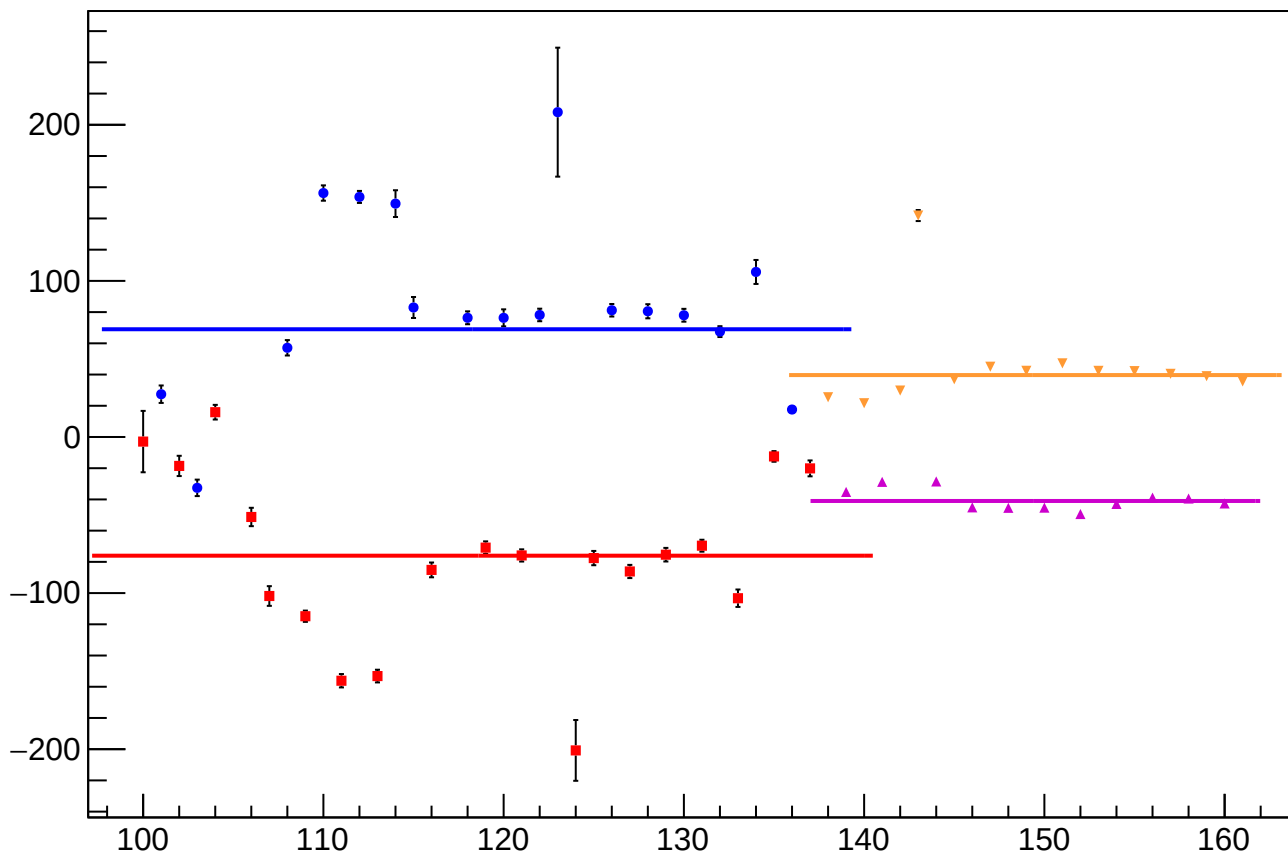
Left In: -0.030 ± 0.327 χ^2/NDF : 44.2/10

-1.515 ± 0.278 χ^2/NDF : 277.4/29

-0.232 ± 0.199 χ^2/NDF : 609.6/59

1.117 ± 0.285 χ^2/NDF : 288.6/29

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: 39.666+/-0.454 χ^2 /NDF:1129.2/12

Right Out: -76.041+/-1.070 χ^2 /NDF: 1881.9/18

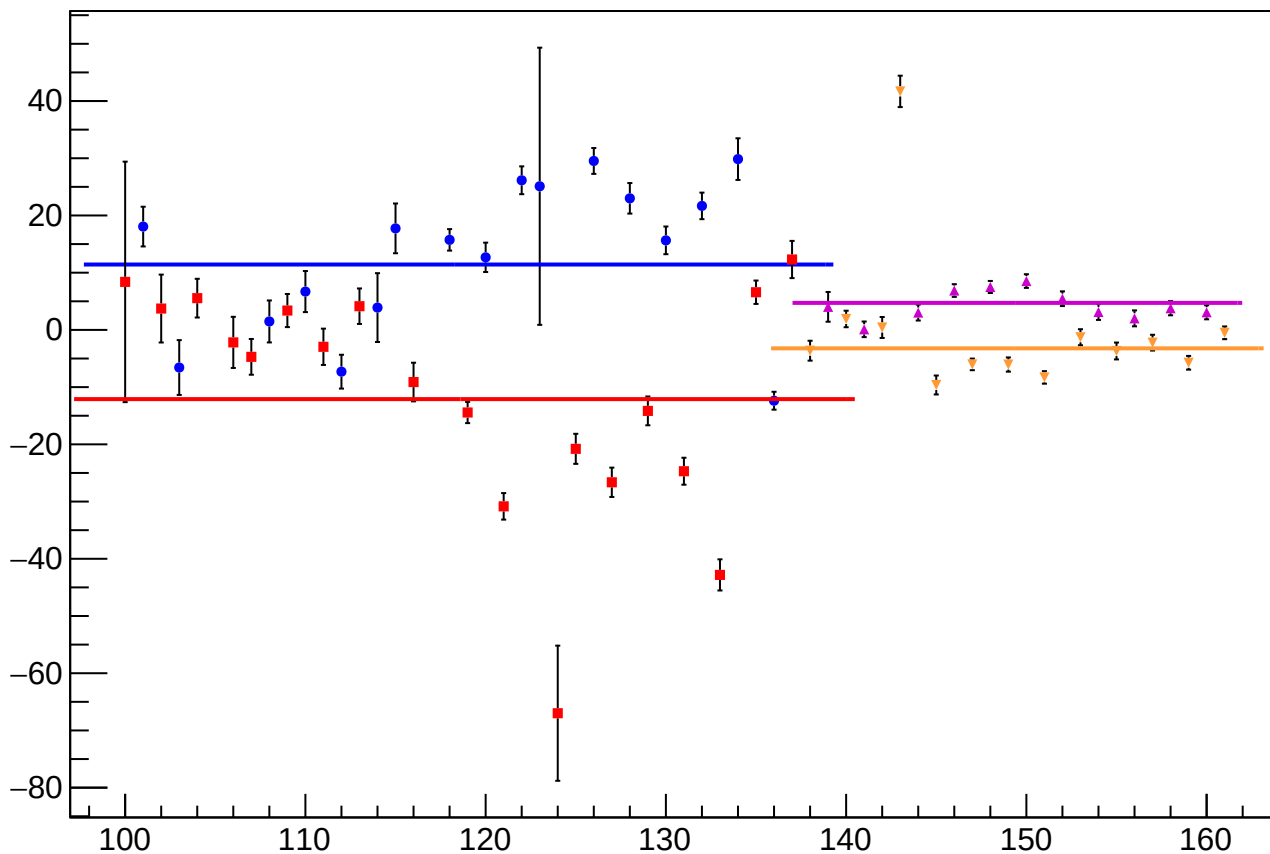
Left In: -40.991+/-0.467 χ^2 /NDF:184.2/10

44.057+/-0.419 χ^2 /NDF: 3601.4/29

-0.316+/-0.299 χ^2 /NDF: 29480.6/59

-46.599+/-0.428 χ^2 /NDF: 2967.7/29

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: -3.223 ± 0.377 χ^2/NDF : 346.9/12

Right Out: -12.095 ± 0.664 χ^2/NDF : 539.1/18

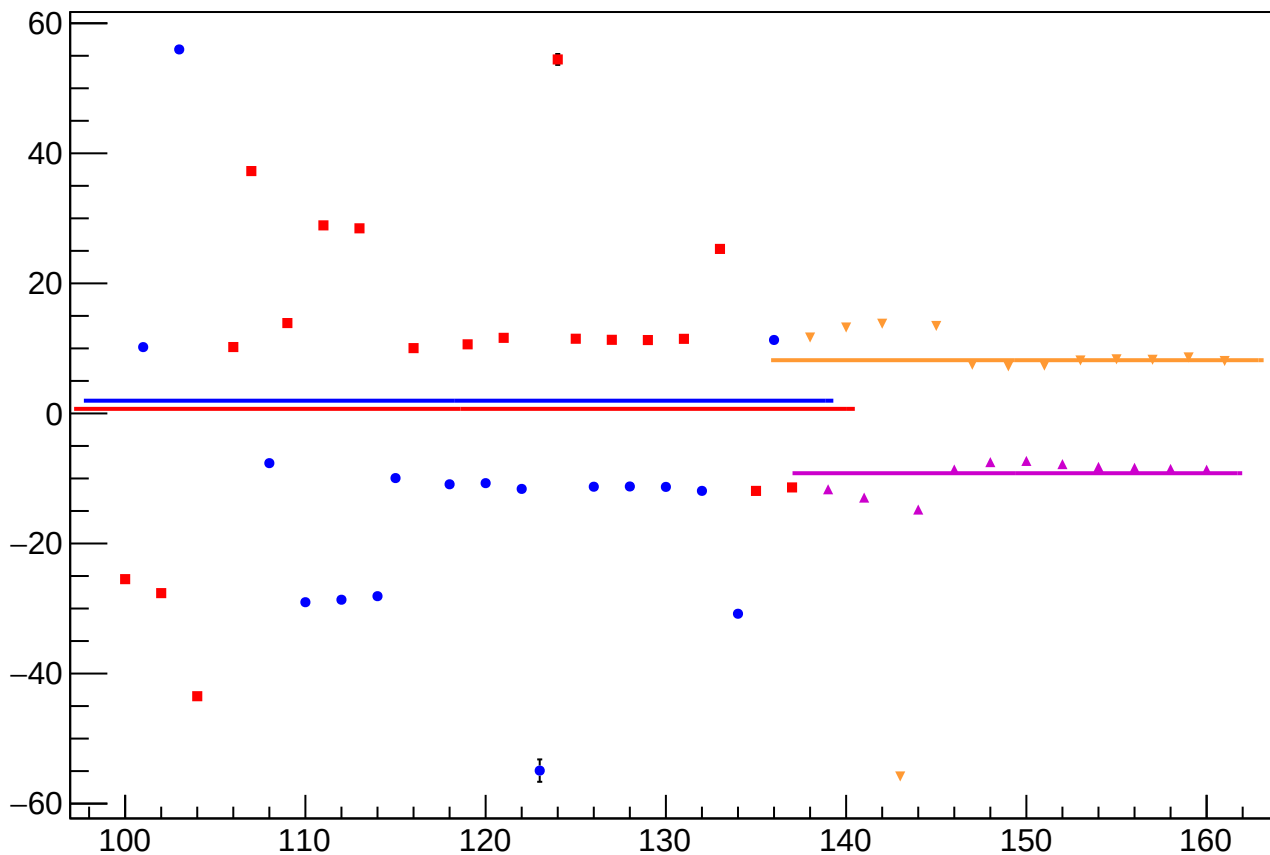
Left In: 4.723 ± 0.390 χ^2/NDF : 41.7/10

0.330 ± 0.328 χ^2/NDF : 1190.9/29

0.366 ± 0.235 χ^2/NDF : 2248.5/59

0.404 ± 0.336 χ^2/NDF : 1057.6/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 $\pm$ 0.037 χ^2 /NDF: 358457.0/16

Left Out: 8.186 $\pm$ 0.018 χ^2 /NDF: 222510.2/12

Right Out: 0.704 $\pm$ 0.037 χ^2 /NDF: 361168.6/18

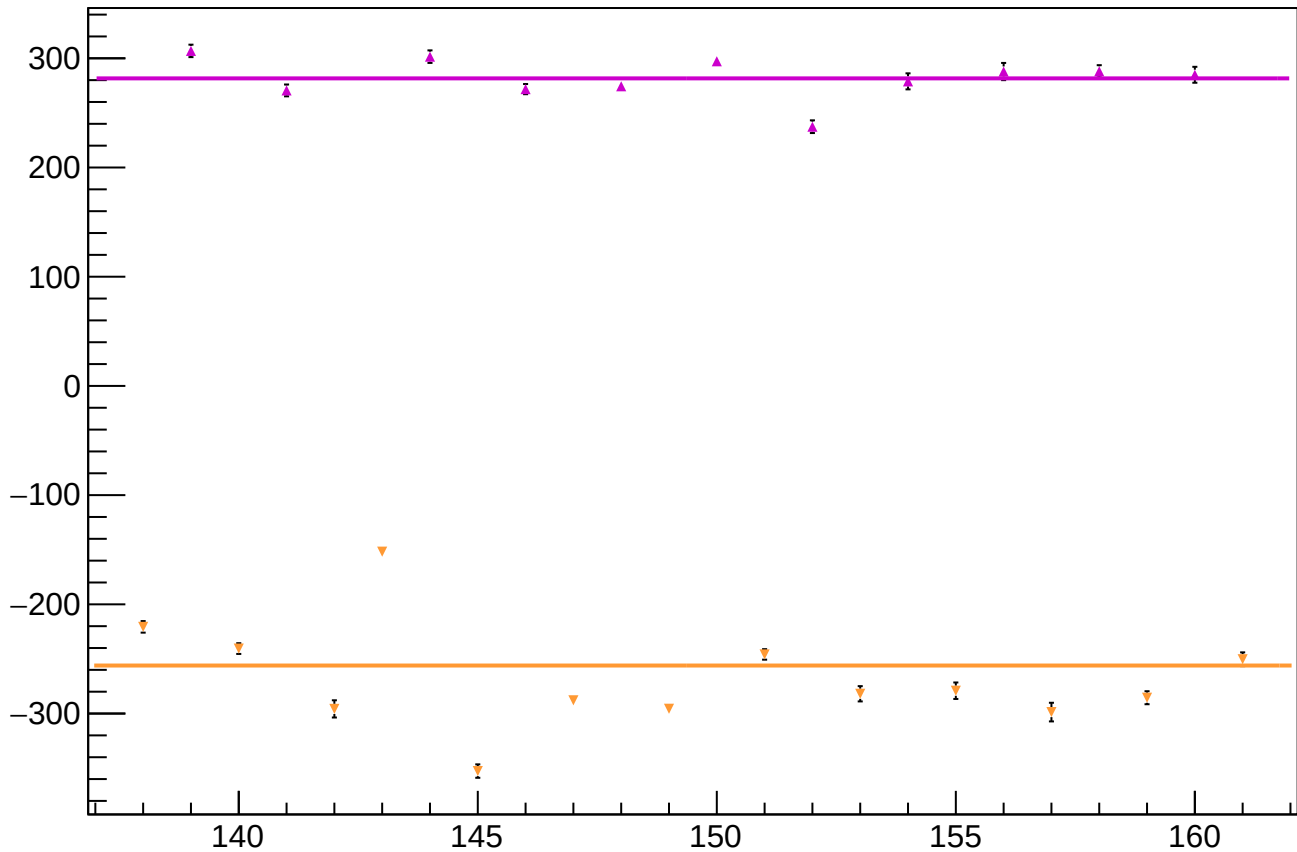
Left In: -9.193 $\pm$ 0.018 χ^2 /NDF: 13380.8/10

7.034 $\pm$ 0.016 χ^2 /NDF: 603857.8/29

0.012 $\pm$ 0.011 χ^2 /NDF: 1429273.5/59

-7.286 $\pm$ 0.016 χ^2 /NDF: 431931.0/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -256.031 ± 1.526 χ^2/NDF : 1213.1/12

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

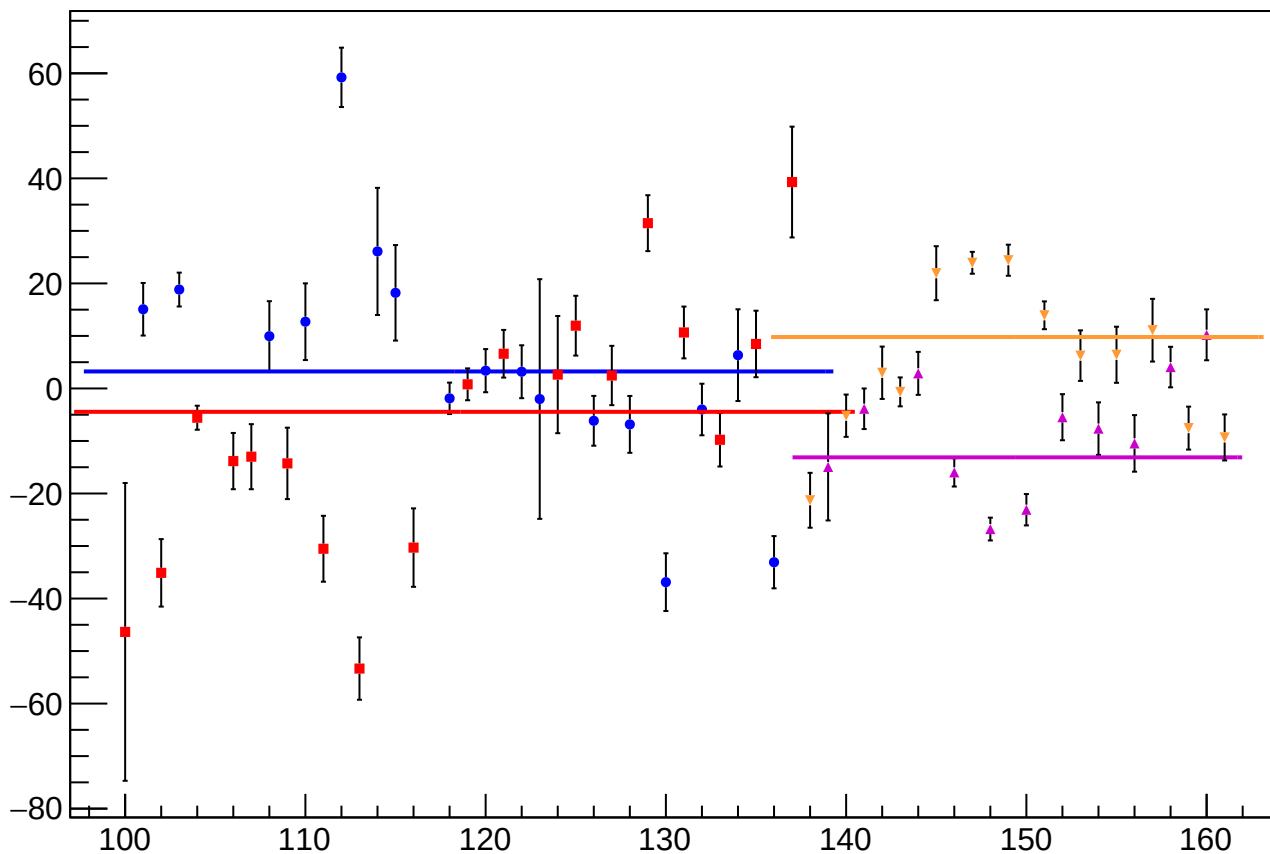
Left In: 281.607 ± 1.675 χ^2/NDF : 115.3/10

-256.031 ± 1.526 χ^2/NDF : 1213.1/12

-12.102 ± 1.128 χ^2/NDF : 57615.9/23

281.607 ± 1.675 χ^2/NDF : 115.3/10

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 9.789 ± 0.993 χ^2/NDF : 182.0/12

Right Out: -4.450 ± 1.157 χ^2/NDF : 225.8/18

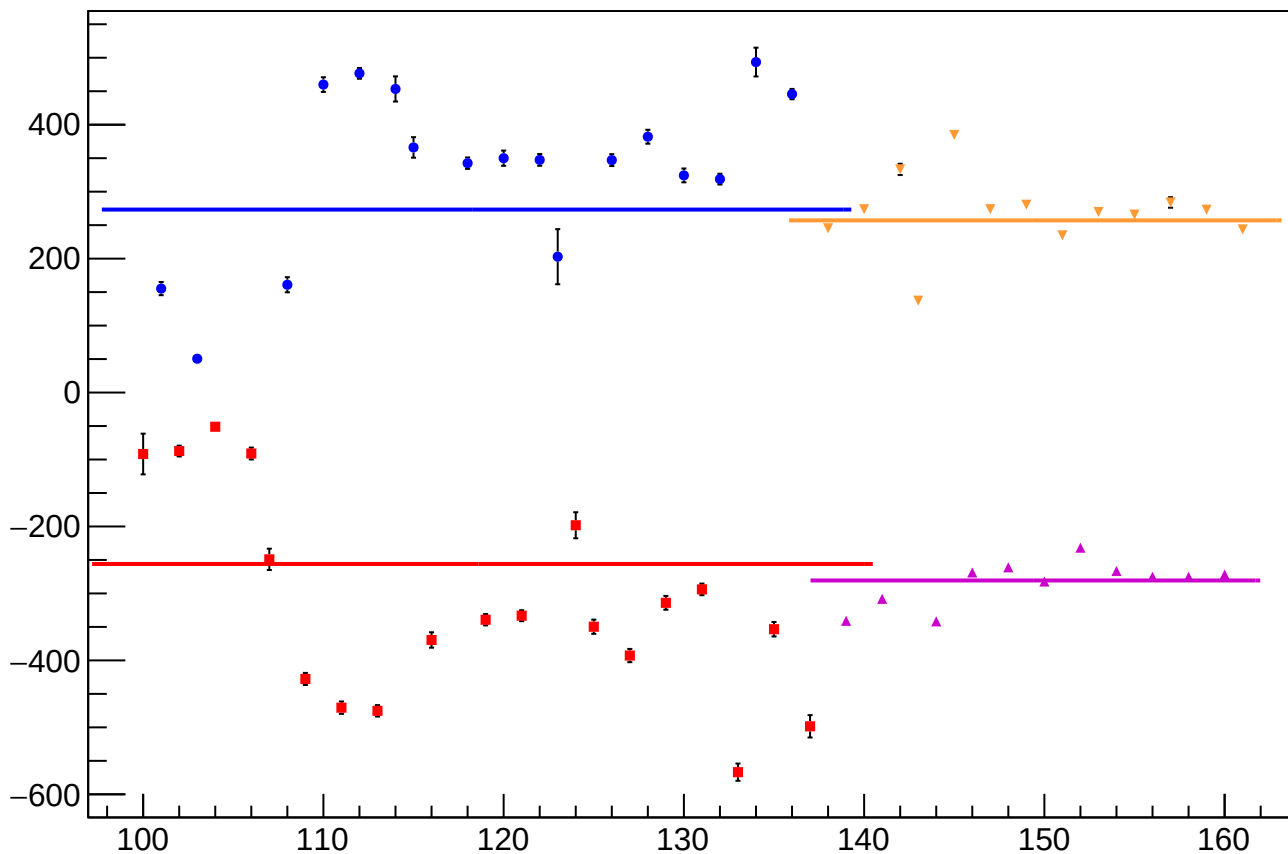
Left In: -13.121 ± 1.094 χ^2/NDF : 120.4/10

7.238 ± 0.776 χ^2/NDF : 454.2/29

-0.696 ± 0.555 χ^2/NDF : 1044.3/59

-9.027 ± 0.795 χ^2/NDF : 375.8/29

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: 257.116 $\pm$ 1.505 χ^2 /NDF:1379.1/12

Right Out: -255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

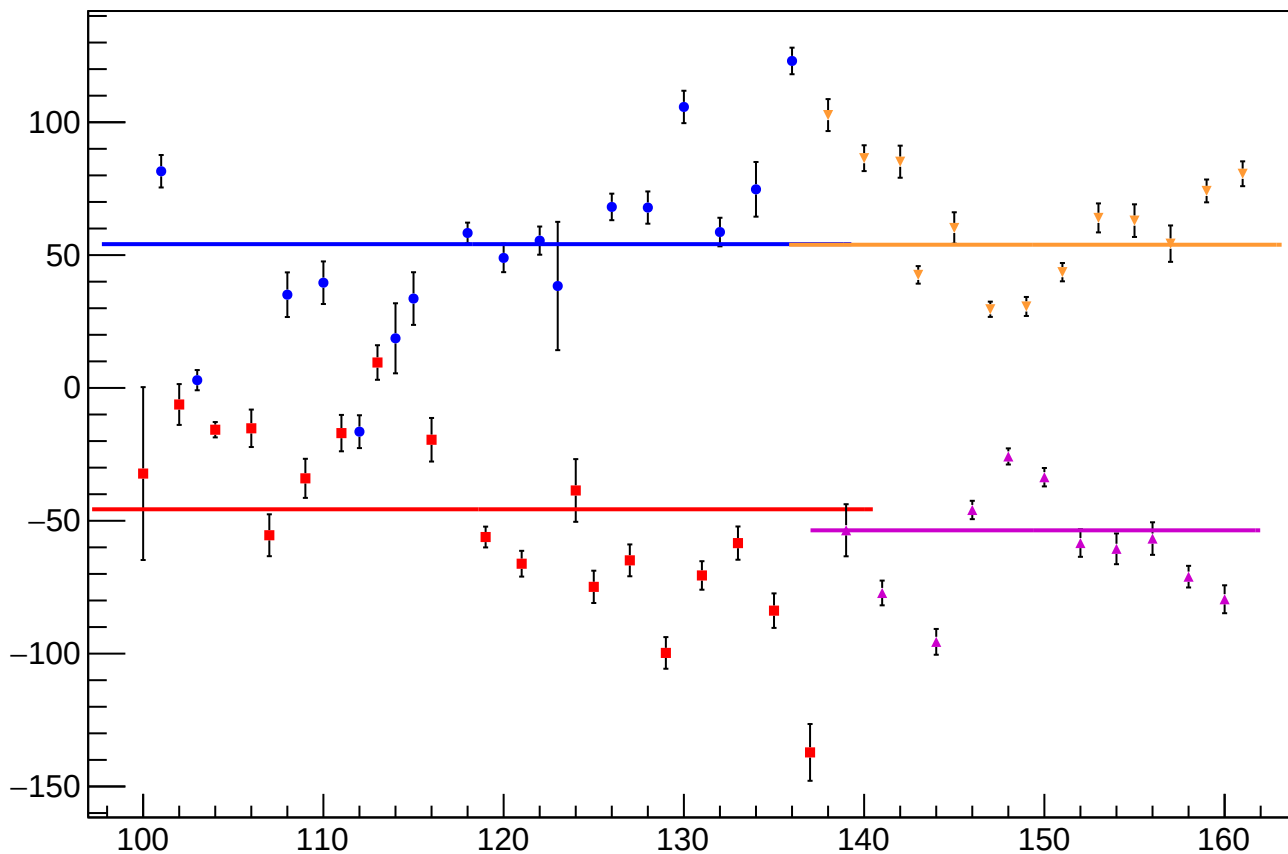
Left In: -280.642 $\pm$ 1.623 χ^2 /NDF:330.5/10

262.255 $\pm$ 1.243 χ^2 /NDF: 6517.2/29

3.178 $\pm$ 0.892 χ^2 /NDF: 102802.5/59

-271.307 $\pm$ 1.280 χ^2 /NDF: 6856.3/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 53.903+/-1.210 χ^2/NDF : 333.6/12

Right Out: -45.675+/-1.357 χ^2/NDF : 531.0/18

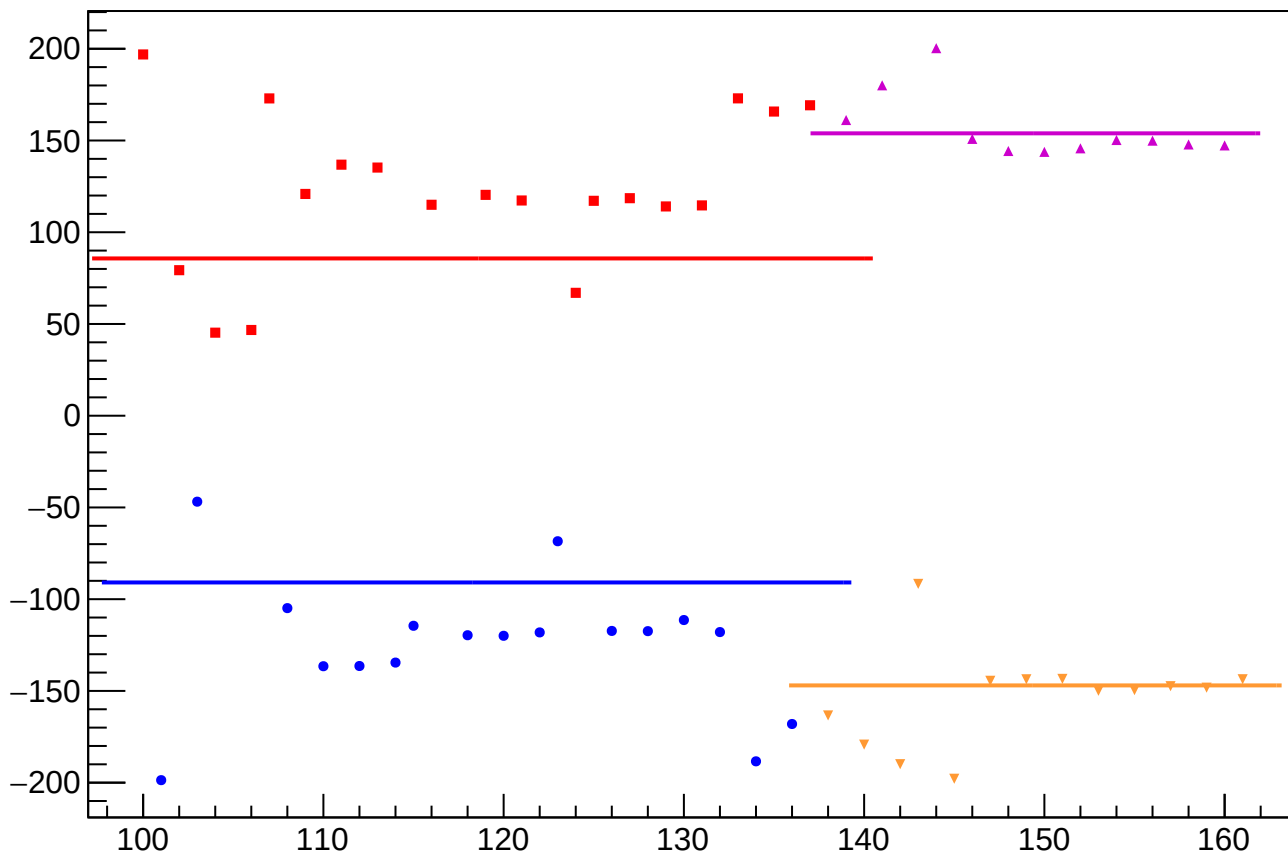
Left In: -53.593+/-1.331 χ^2/NDF : 267.7/10

53.993+/-0.926 χ^2/NDF : 967.5/29

3.474+/-0.663 χ^2/NDF : 7894.0/59

-49.712+/-0.950 χ^2/NDF : 816.1/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 $\pm$ 0.068 χ^2 /NDF: 533423.8/16

Left Out: -146.993 $\pm$ 0.061 χ^2 /NDF: 187044.0/12

Right Out: 85.722 $\pm$ 0.065 χ^2 /NDF: 494183.1/18

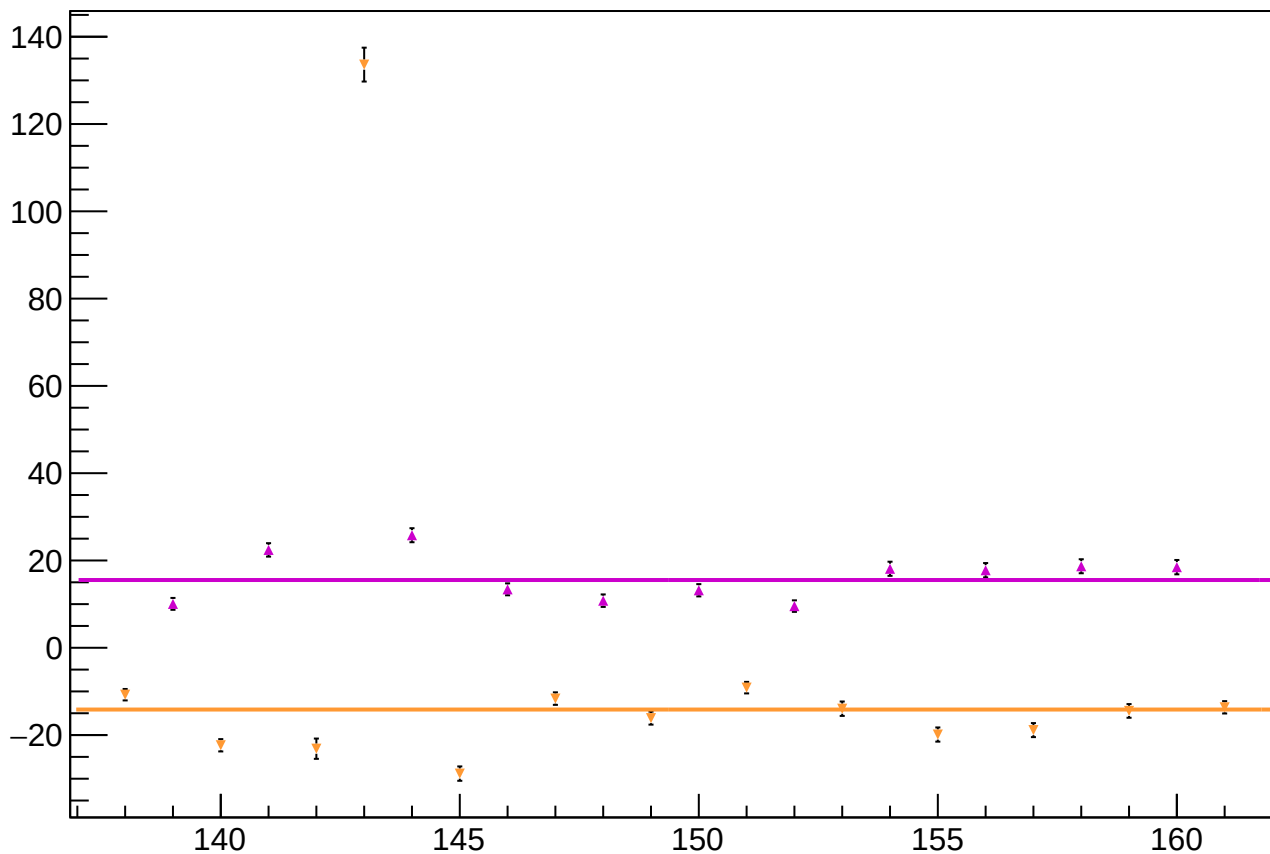
Left In: 153.908 $\pm$ 0.065 χ^2 /NDF: 53353.8/10

-122.046 $\pm$ 0.045 χ^2 /NDF: 1101405.1/29

-2.704 $\pm$ 0.032 χ^2 /NDF: 16360714.9/59

120.086 $\pm$ 0.046 χ^2 /NDF: 1101019.3/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.151+/-0.436 χ^2/NDF :1624.6/12

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

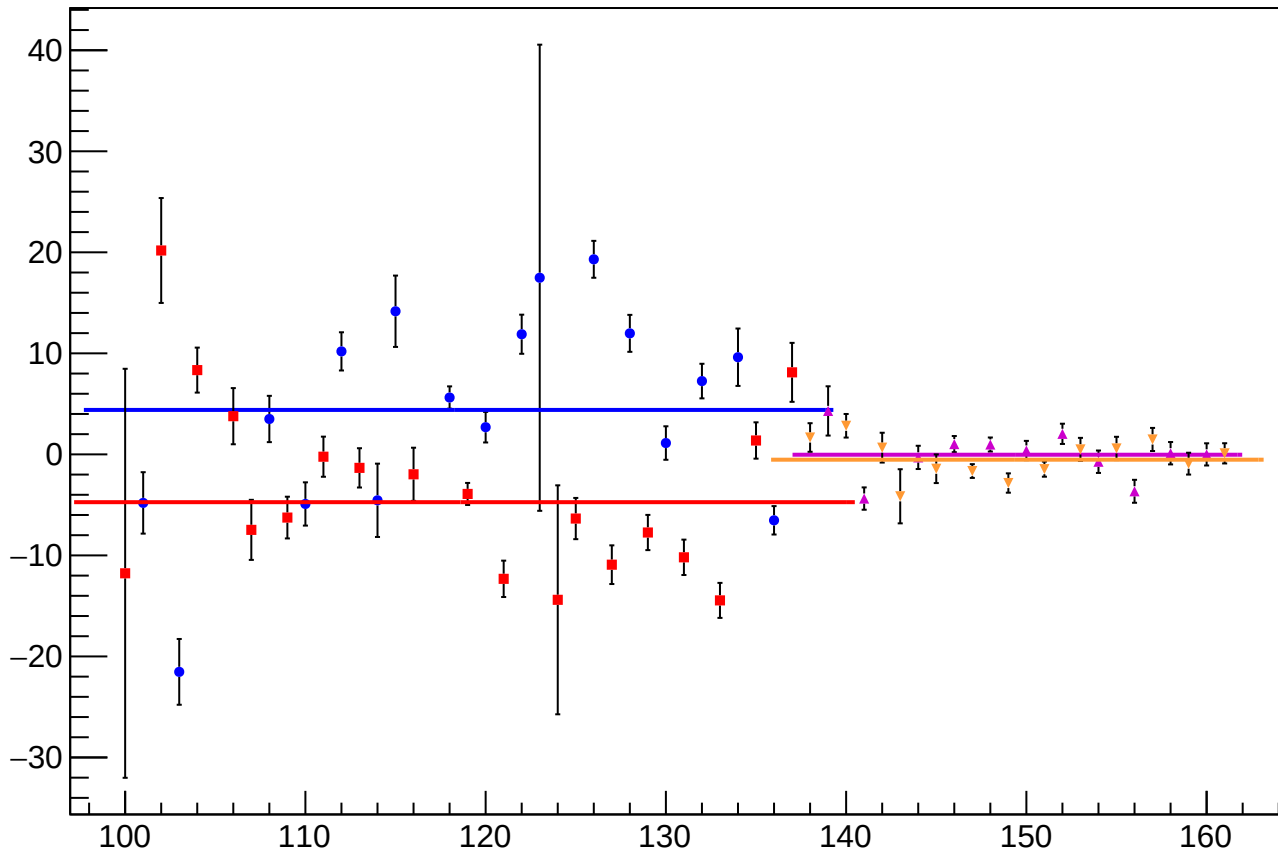
Left In: 15.525+/-0.449 χ^2/NDF :125.0/10

-14.151+/-0.436 χ^2/NDF : 1624.6/12

0.254+/-0.313 χ^2/NDF : 3995.0/23

15.525+/-0.449 χ^2/NDF : 125.0/10

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: -0.527 ± 0.295 χ^2/NDF : 29.0/12

Right Out: -4.732 ± 0.473 χ^2/NDF : 182.9/18

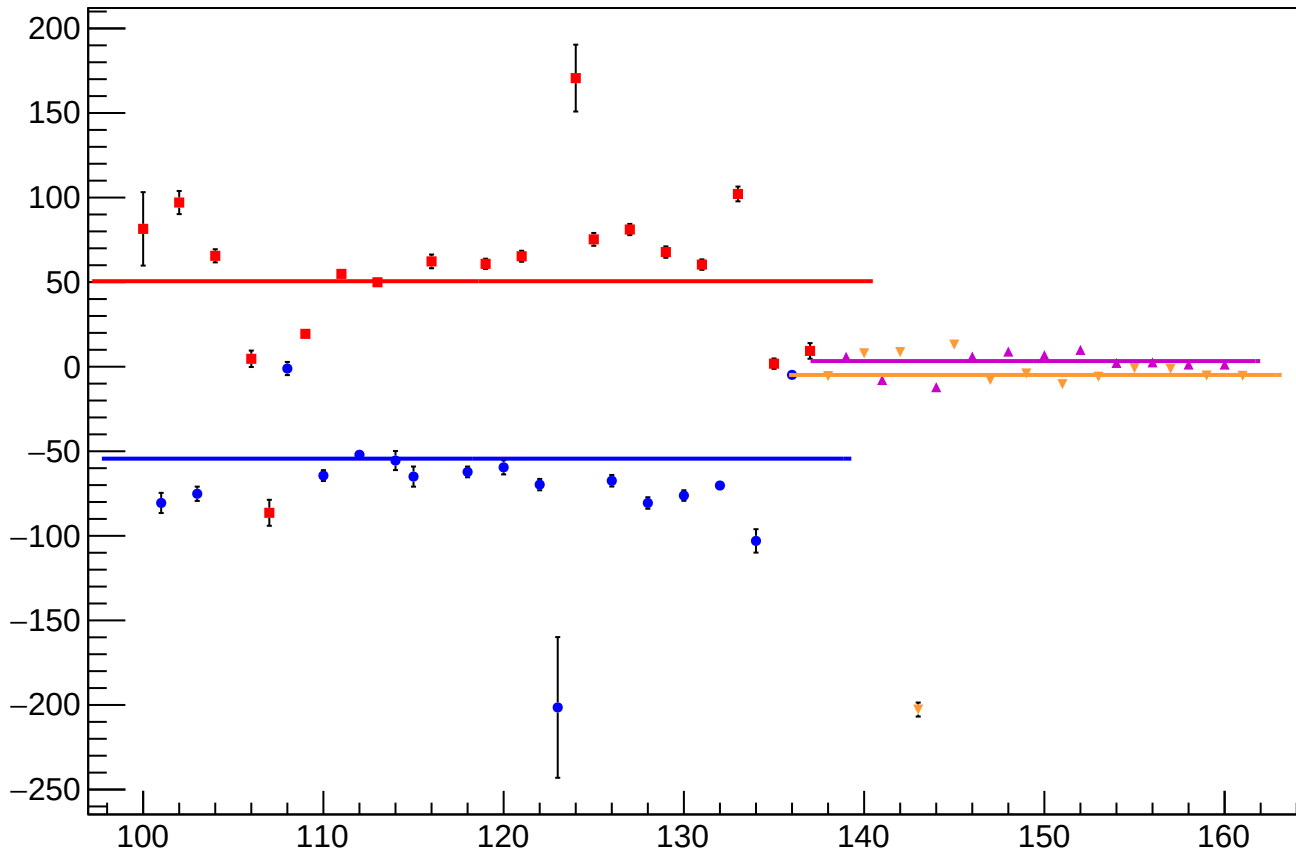
Left In: -0.035 ± 0.306 χ^2/NDF : 37.5/10

0.860 ± 0.250 χ^2/NDF : 394.4/29

-0.249 ± 0.179 χ^2/NDF : 724.8/59

-1.418 ± 0.257 χ^2/NDF : 289.9/29

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: -4.880 ± 0.425 χ^2/NDF : 2529.9/12

Right Out: 50.554 ± 0.858 χ^2/NDF : 1321.3/18

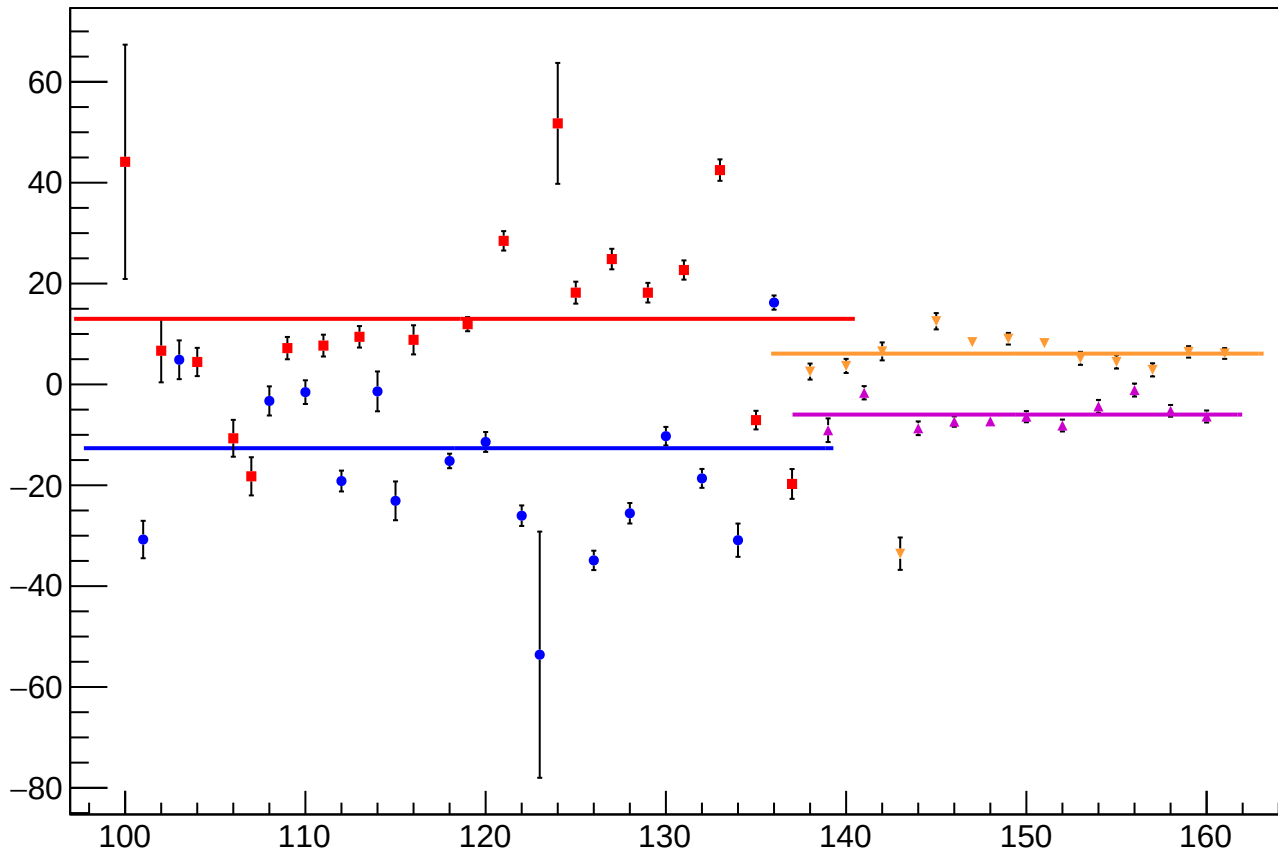
Left In: 3.326 ± 0.436 χ^2/NDF : 190.6/10

-14.455 ± 0.382 χ^2/NDF : 6163.3/29

-0.953 ± 0.272 χ^2/NDF : 12629.2/59

13.024 ± 0.389 χ^2/NDF : 3922.3/29

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: 6.107 ± 0.353 χ^2/NDF : 201.7/12

Right Out: 13.005 ± 0.538 χ^2/NDF : 721.4/18

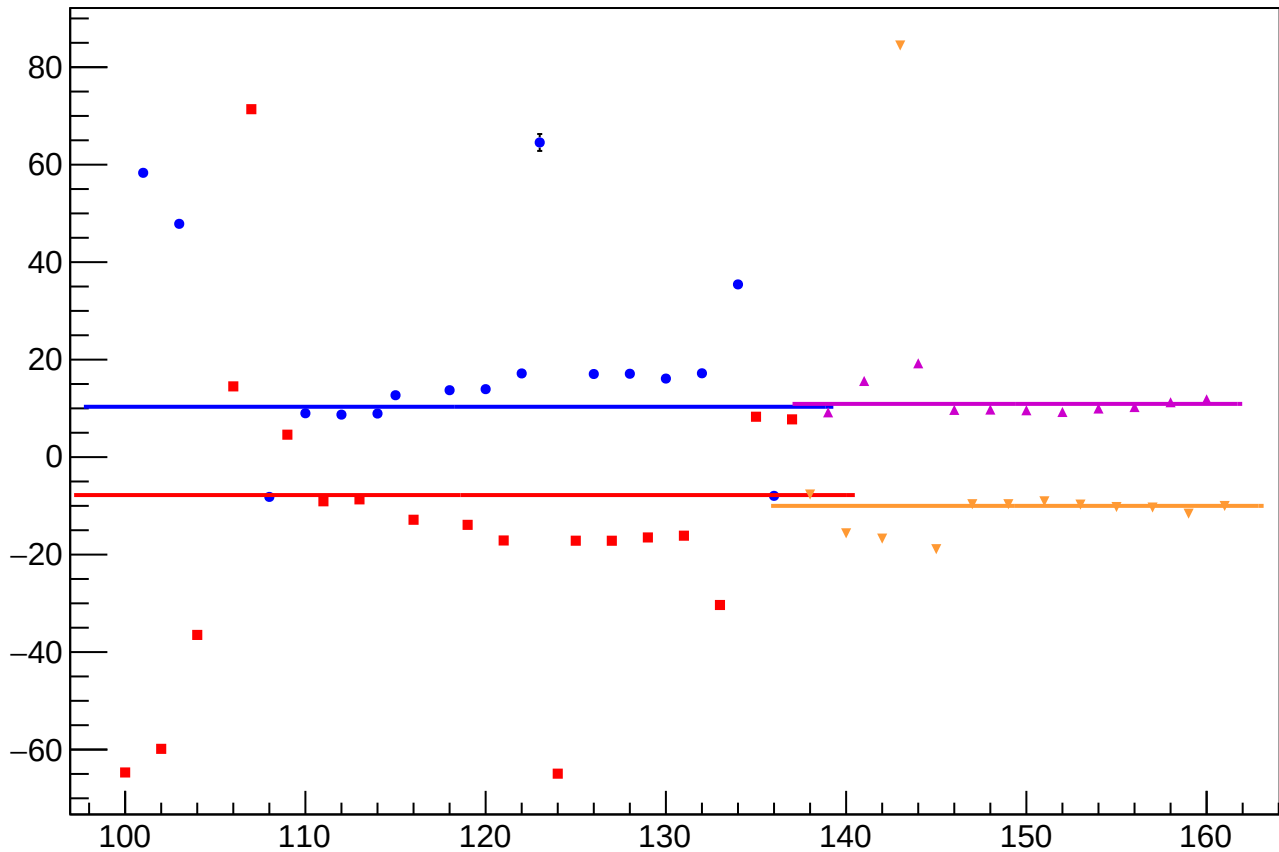
Left In: -5.982 ± 0.366 χ^2/NDF : 40.0/10

0.446 ± 0.295 χ^2/NDF : 1844.0/29

0.240 ± 0.211 χ^2/NDF : 3459.5/59

0.022 ± 0.302 χ^2/NDF : 1614.5/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 ± 0.031 χ^2/NDF : 380857.1/16

Left Out: -10.002 ± 0.017 χ^2/NDF : 355763.3/12

Right Out: -7.786 ± 0.031 χ^2/NDF : 544119.7/18

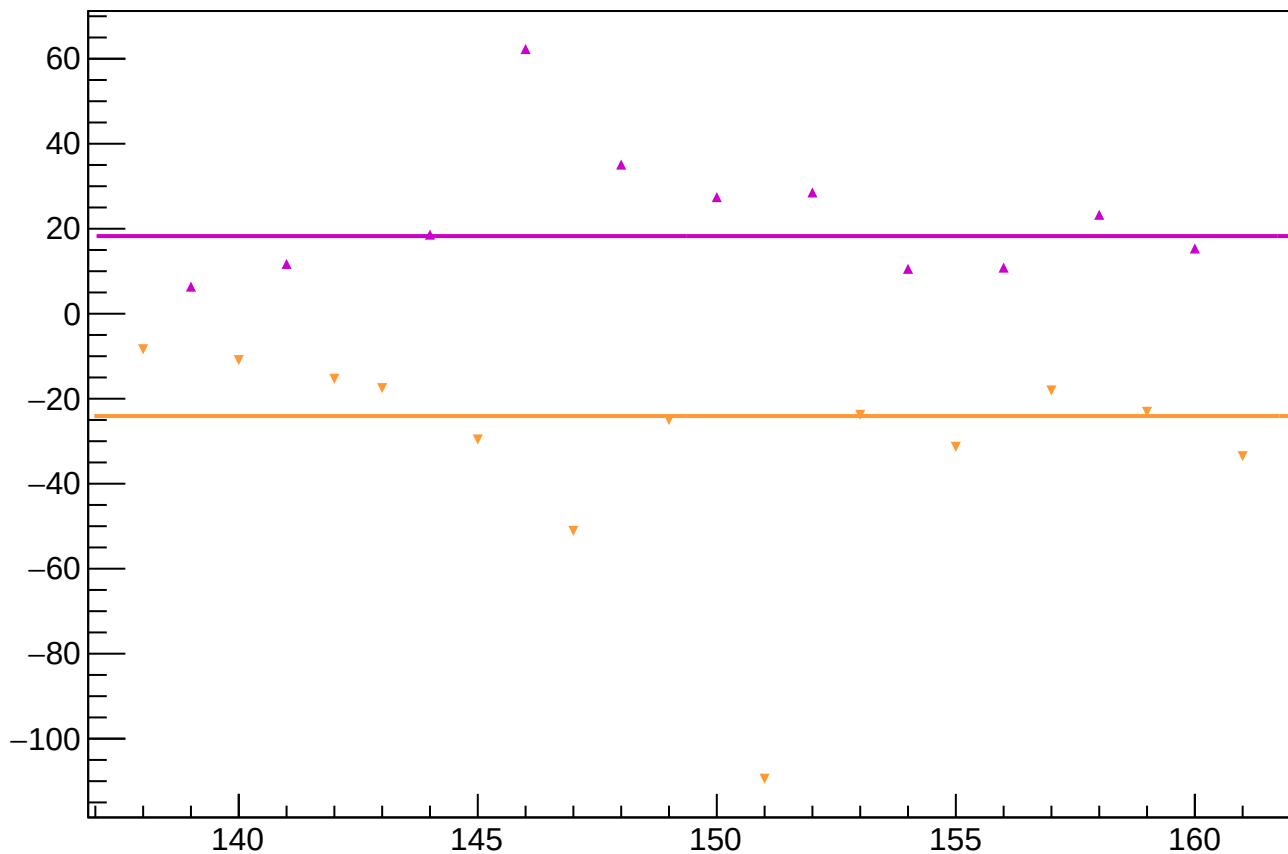
Left In: 10.920 ± 0.017 χ^2/NDF : 21694.2/10

-5.410 ± 0.015 χ^2/NDF : 1076709.4/29

0.514 ± 0.010 χ^2/NDF : 2256108.7/59

6.690 ± 0.015 χ^2/NDF : 842144.3/29

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.075 $\pm$ 0.072 χ^2/NDF : 52159.5/12

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

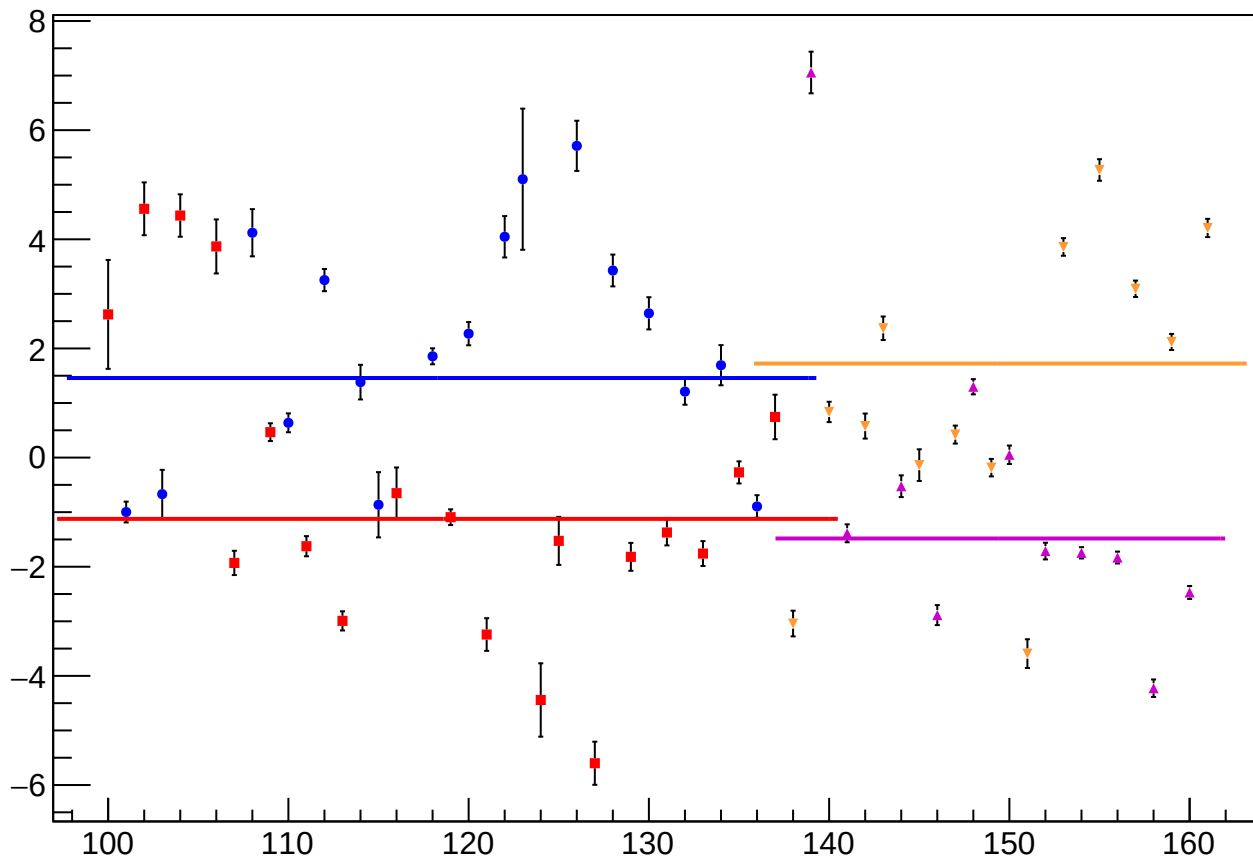
Left In: 18.269 $\pm$ 0.064 χ^2/NDF : 36060.4/10

-24.075 $\pm$ 0.072 χ^2/NDF : 52159.5/12

-0.335 $\pm$ 0.048 χ^2/NDF : 281276.5/23

18.269 $\pm$ 0.064 χ^2/NDF : 36060.4/10

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: 1.723 ± 0.051 χ^2/NDF : 1926.0/12

Right Out: -1.123 ± 0.058 χ^2/NDF : 947.4/18

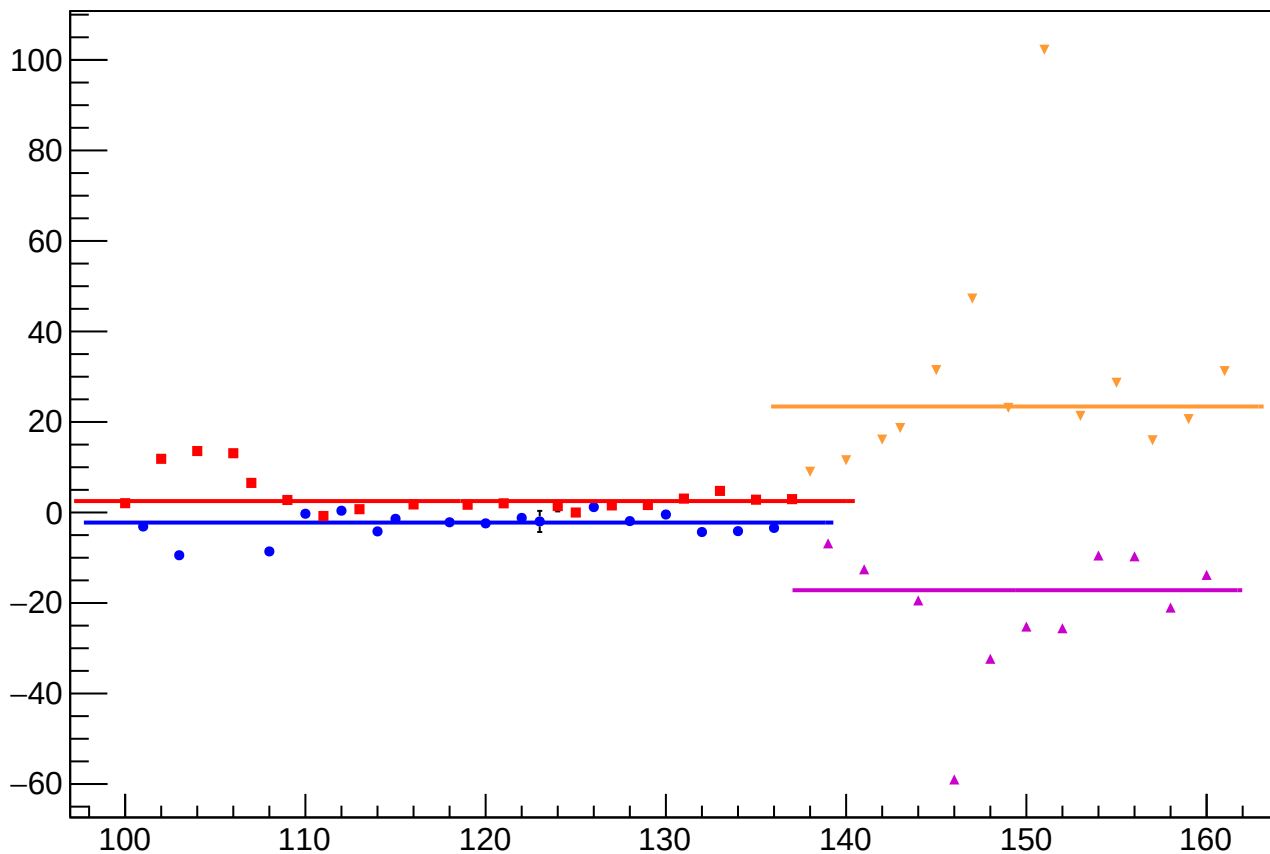
Left In: -1.483 ± 0.044 χ^2/NDF : 1442.8/10

1.615 ± 0.040 χ^2/NDF : 2635.0/29

-0.043 ± 0.026 χ^2/NDF : 8198.5/59

-1.351 ± 0.035 χ^2/NDF : 2414.5/29

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 $\chi^2/\text{NDF}: 460.4/16$

Left Out: 23.416 ± 0.071 $\chi^2/\text{NDF}: 46925.4/12$

Right Out: 2.520 ± 0.099 $\chi^2/\text{NDF}: 904.0/18$

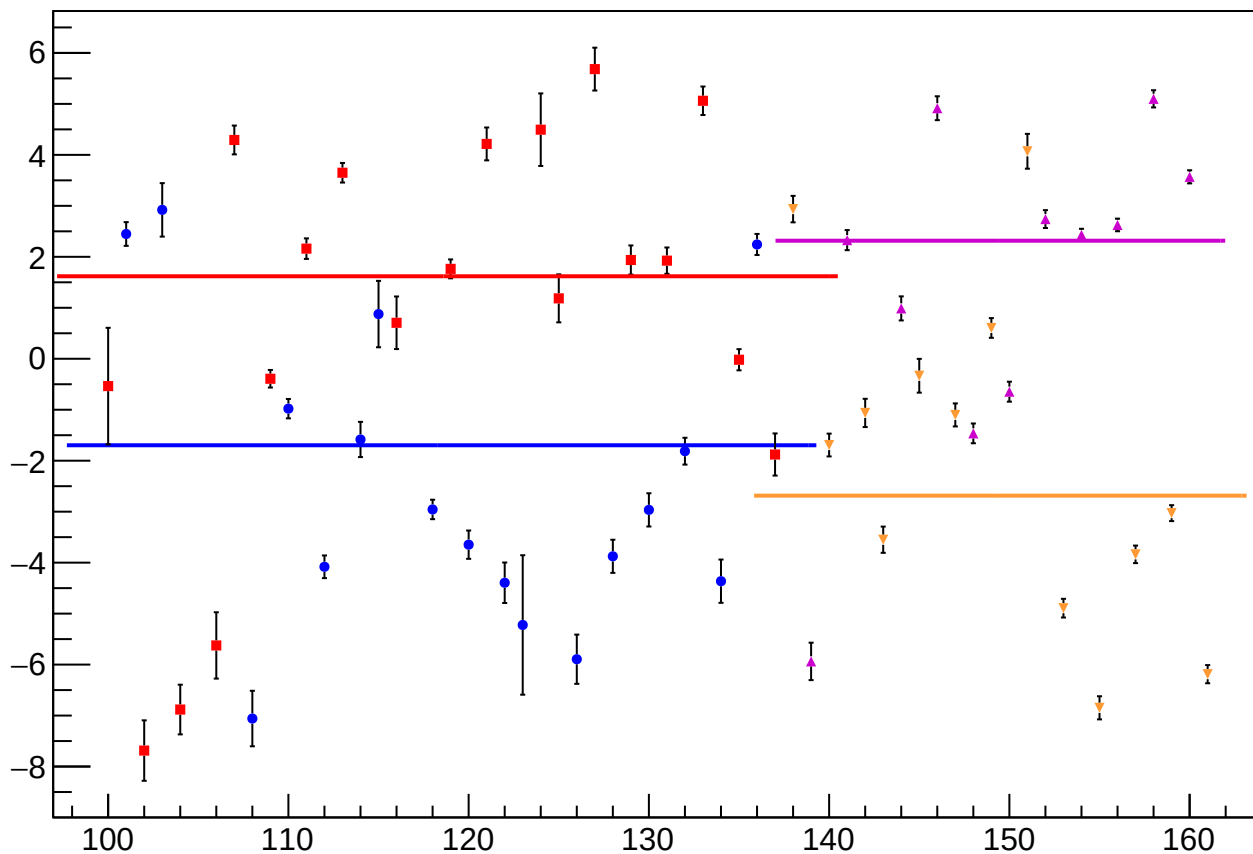
Left In: -17.177 ± 0.061 $\chi^2/\text{NDF}: 34201.5/10$

16.063 ± 0.060 $\chi^2/\text{NDF}: 85272.6/29$

0.290 ± 0.039 $\chi^2/\text{NDF}: 272550.4/59$

-11.735 ± 0.052 $\chi^2/\text{NDF}: 63767.8/29$

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: -2.686 ± 0.060 χ^2/NDF : 2230.7/12

Right Out: 1.618 ± 0.066 χ^2/NDF : 1489.2/18

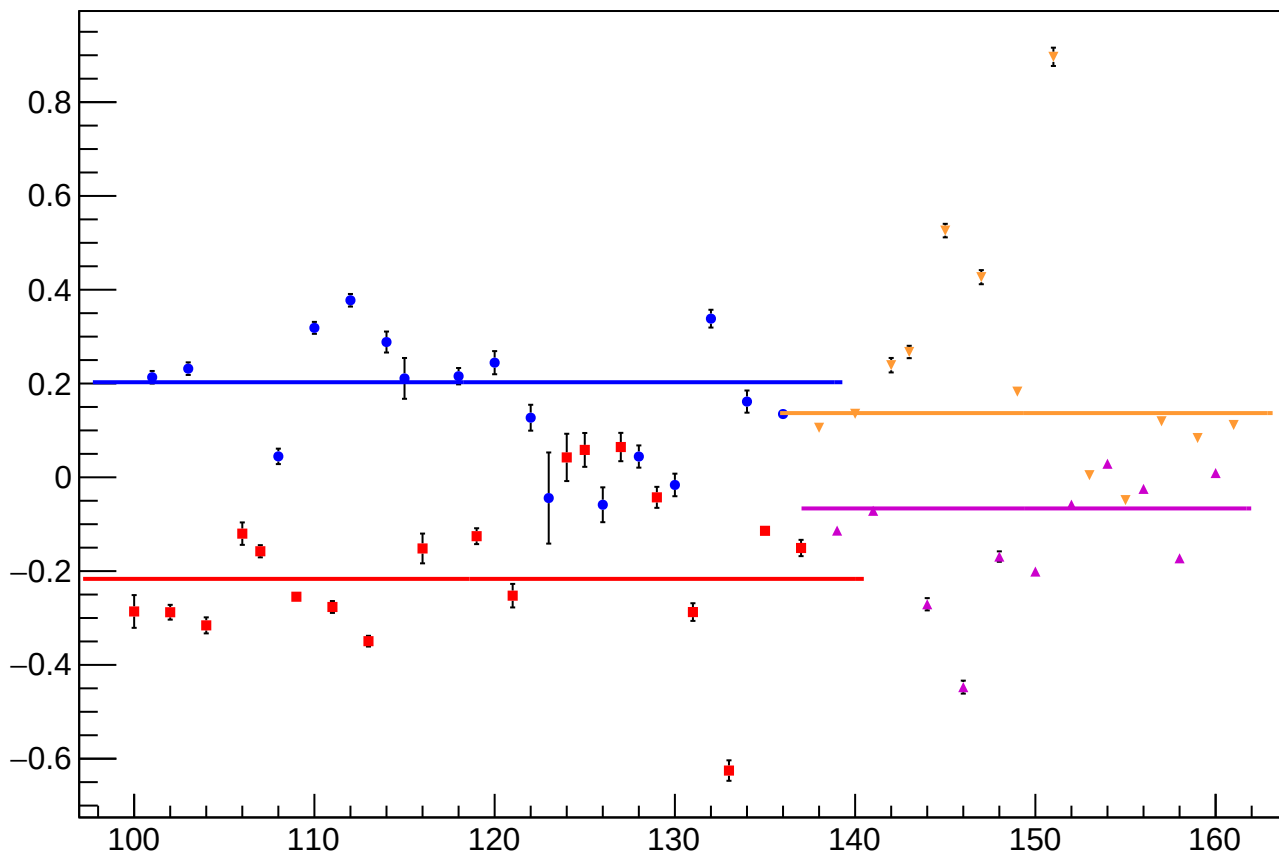
Left In: 2.316 ± 0.051 χ^2/NDF : 1648.1/10

-2.278 ± 0.046 χ^2/NDF : 3663.8/29

0.158 ± 0.030 χ^2/NDF : 11938.1/59

2.054 ± 0.040 χ^2/NDF : 3207.8/29

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.137 ± 0.003 χ^2/NDF : 3578.7/12

Right Out: -0.217 ± 0.004 χ^2/NDF : 1064.4/18

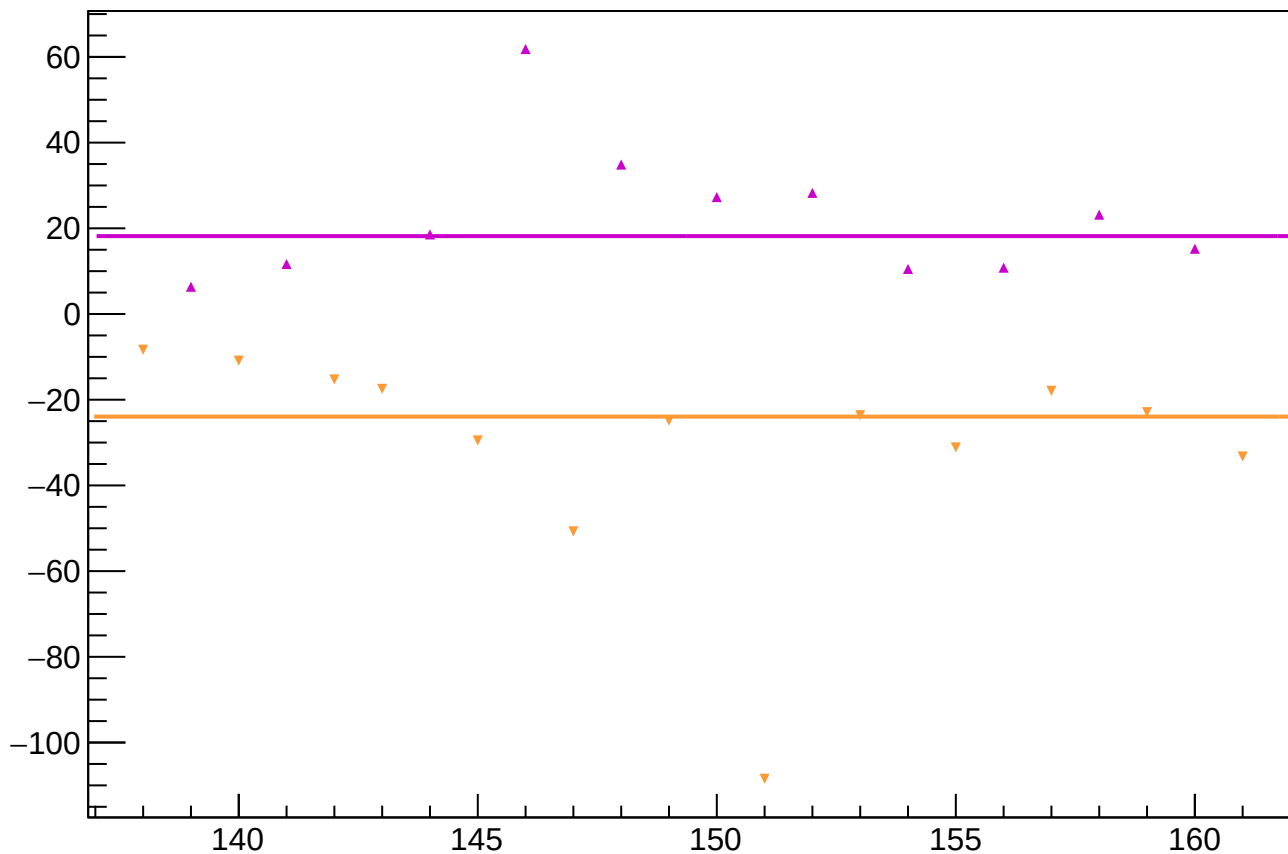
Left In: -0.066 ± 0.002 χ^2/NDF : 2111.0/10

0.156 ± 0.002 χ^2/NDF : 4433.0/29

0.004 ± 0.001 χ^2/NDF : 16763.5/59

-0.106 ± 0.002 χ^2/NDF : 4386.3/29

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.942 $\pm$ 0.072 χ^2/NDF : 52015.4/12

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

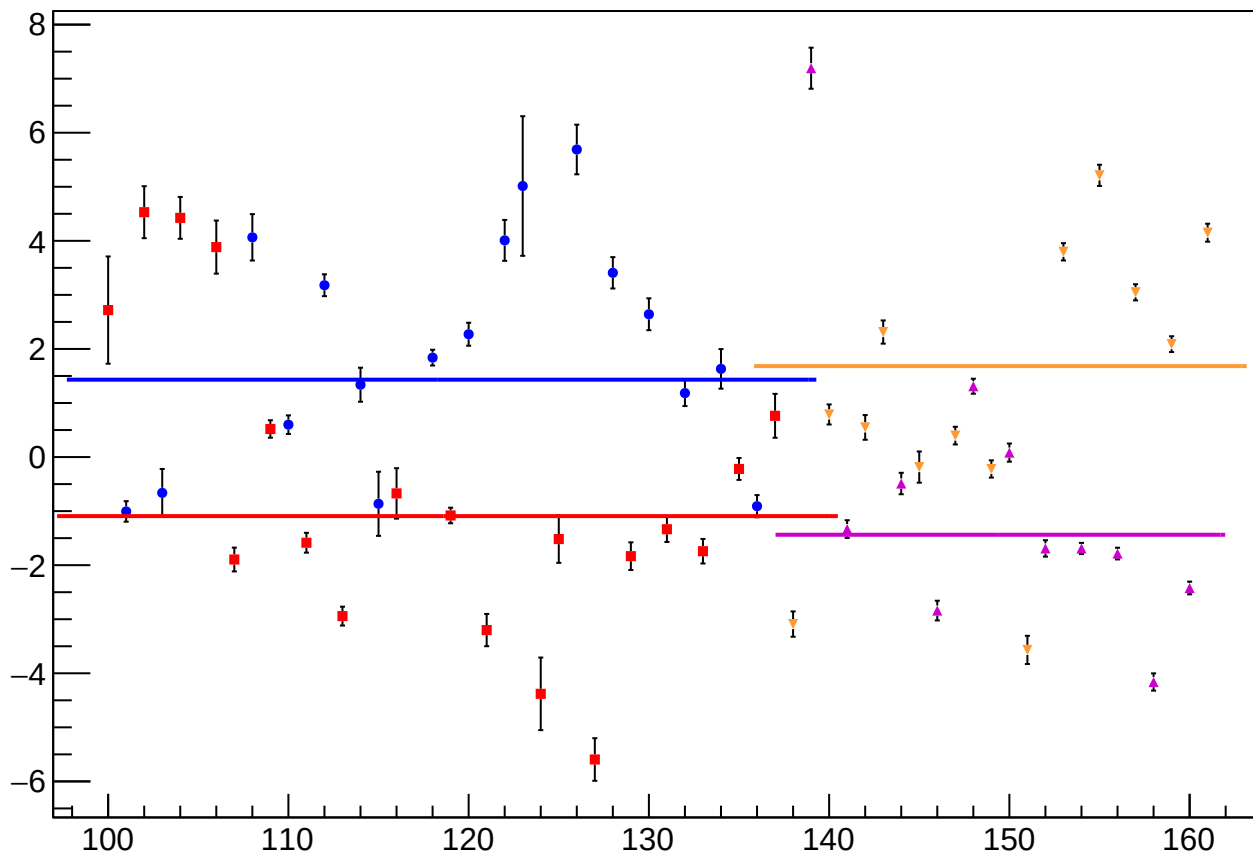
Left In: 18.181 $\pm$ 0.063 χ^2/NDF : 35992.6/10

-23.942 $\pm$ 0.072 χ^2/NDF : 52015.4/12

-0.331 $\pm$ 0.048 χ^2/NDF : 281408.0/23

18.181 $\pm$ 0.063 χ^2/NDF : 35992.6/10

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.683 ± 0.051 χ^2/NDF : 1931.6/12

Right Out: -1.092 ± 0.058 χ^2/NDF : 953.2/18

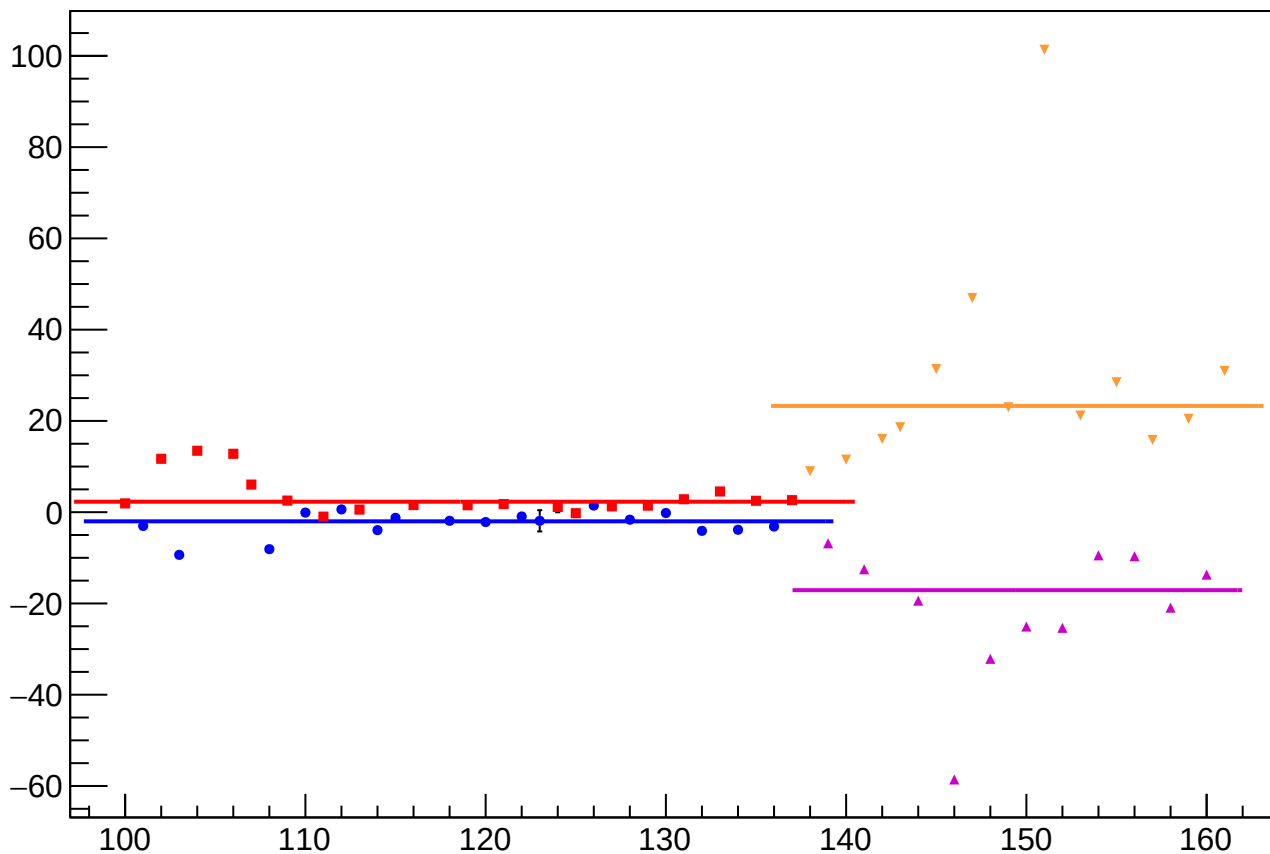
Left In: -1.437 ± 0.044 χ^2/NDF : 1453.5/10

1.581 ± 0.039 χ^2/NDF : 2638.0/29

-0.036 ± 0.026 χ^2/NDF : 8095.2/59

-1.312 ± 0.035 χ^2/NDF : 2429.3/29

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: 23.280 ± 0.070 χ^2/NDF : 46820.0/12

Right Out: 2.295 ± 0.098 χ^2/NDF : 907.2/18

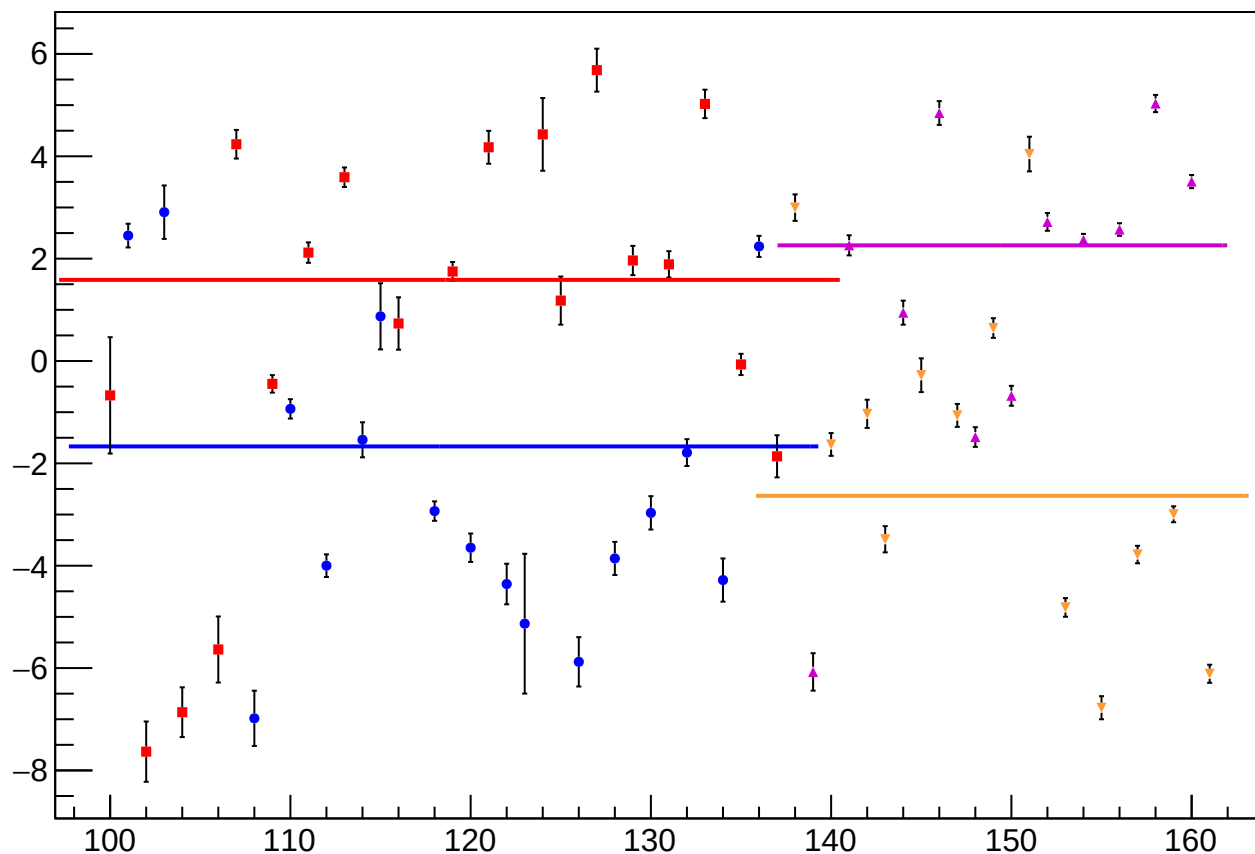
Left In: -17.092 ± 0.061 χ^2/NDF : 34148.0/10

16.045 ± 0.059 χ^2/NDF : 84514.5/29

0.280 ± 0.039 χ^2/NDF : 272529.7/59

-11.742 ± 0.052 χ^2/NDF : 63128.9/29

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: -2.635 ± 0.059 χ^2/NDF : 2237.7/12

Right Out: 1.585 ± 0.065 χ^2/NDF : 1494.7/18

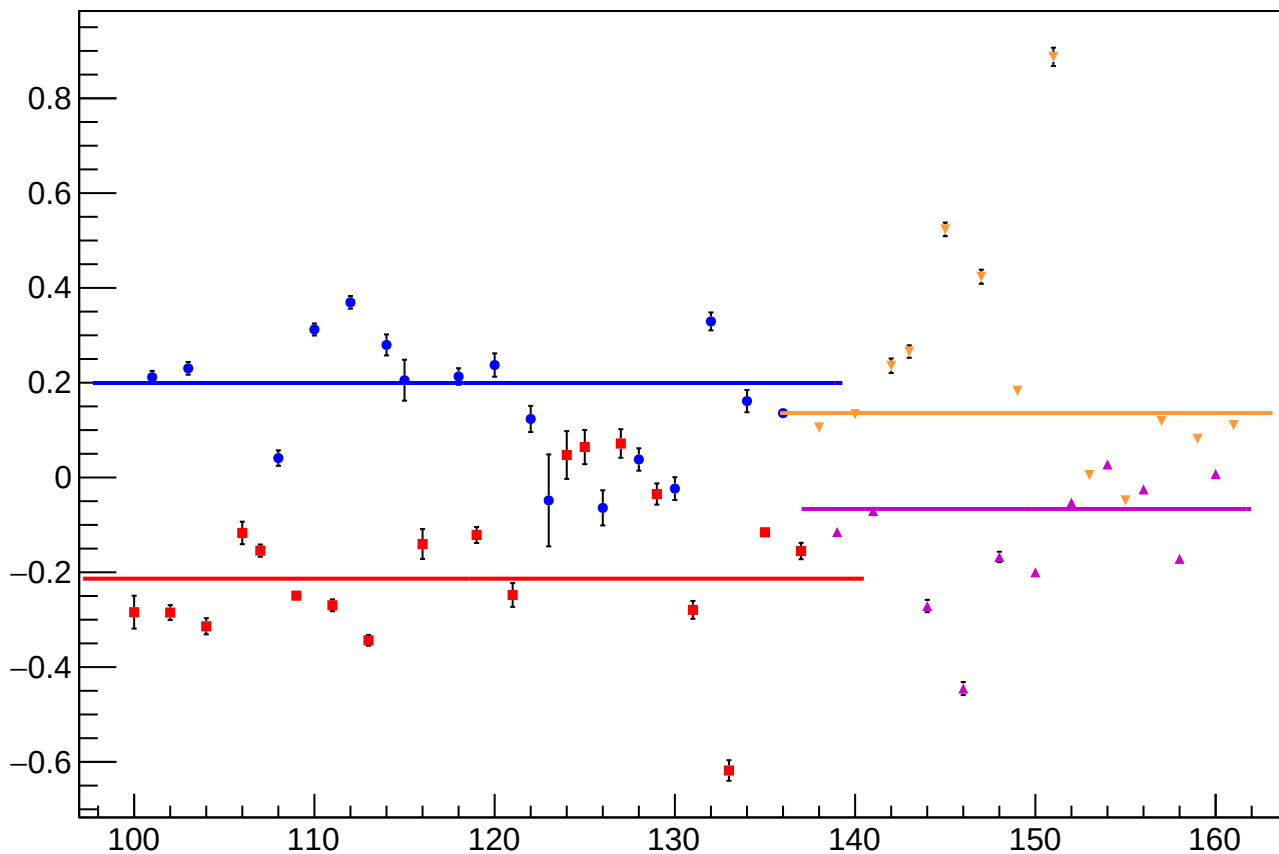
Left In: 2.260 ± 0.051 χ^2/NDF : 1662.6/10

-2.238 ± 0.045 χ^2/NDF : 3662.2/29

0.149 ± 0.030 χ^2/NDF : 11805.0/59

2.007 ± 0.040 χ^2/NDF : 3223.8/29

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: 0.136 $\pm$ 0.003 χ^2 /NDF: 3572.4/12

Right Out: -0.213 $\pm$ 0.004 χ^2 /NDF: 1048.2/18

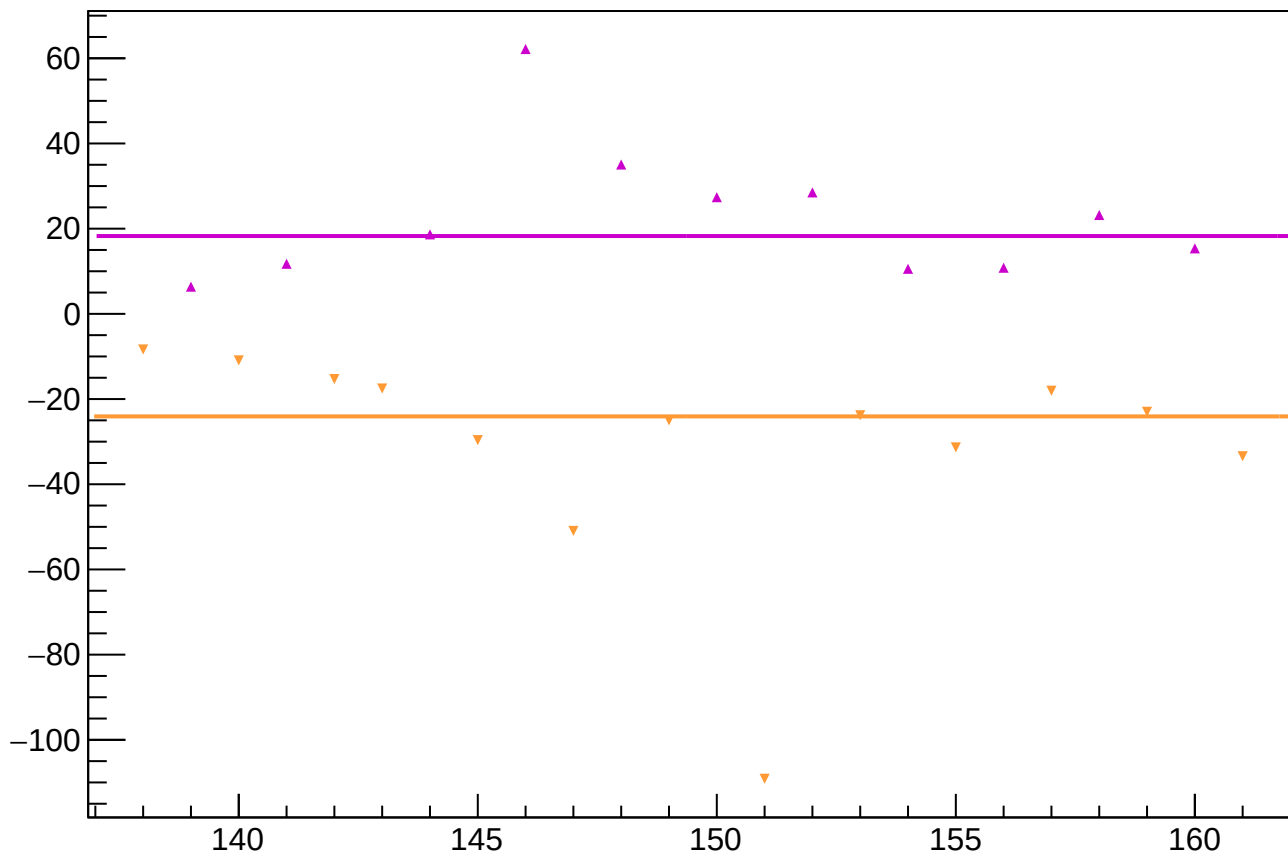
Left In: -0.066 $\pm$ 0.002 χ^2 /NDF: 2105.1/10

0.154 $\pm$ 0.002 χ^2 /NDF: 4401.5/29

0.004 $\pm$ 0.001 χ^2 /NDF: 16607.7/59

-0.105 $\pm$ 0.002 χ^2 /NDF: 4326.1/29

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.069+/-0.072 χ^2/NDF : 52136.0/12

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

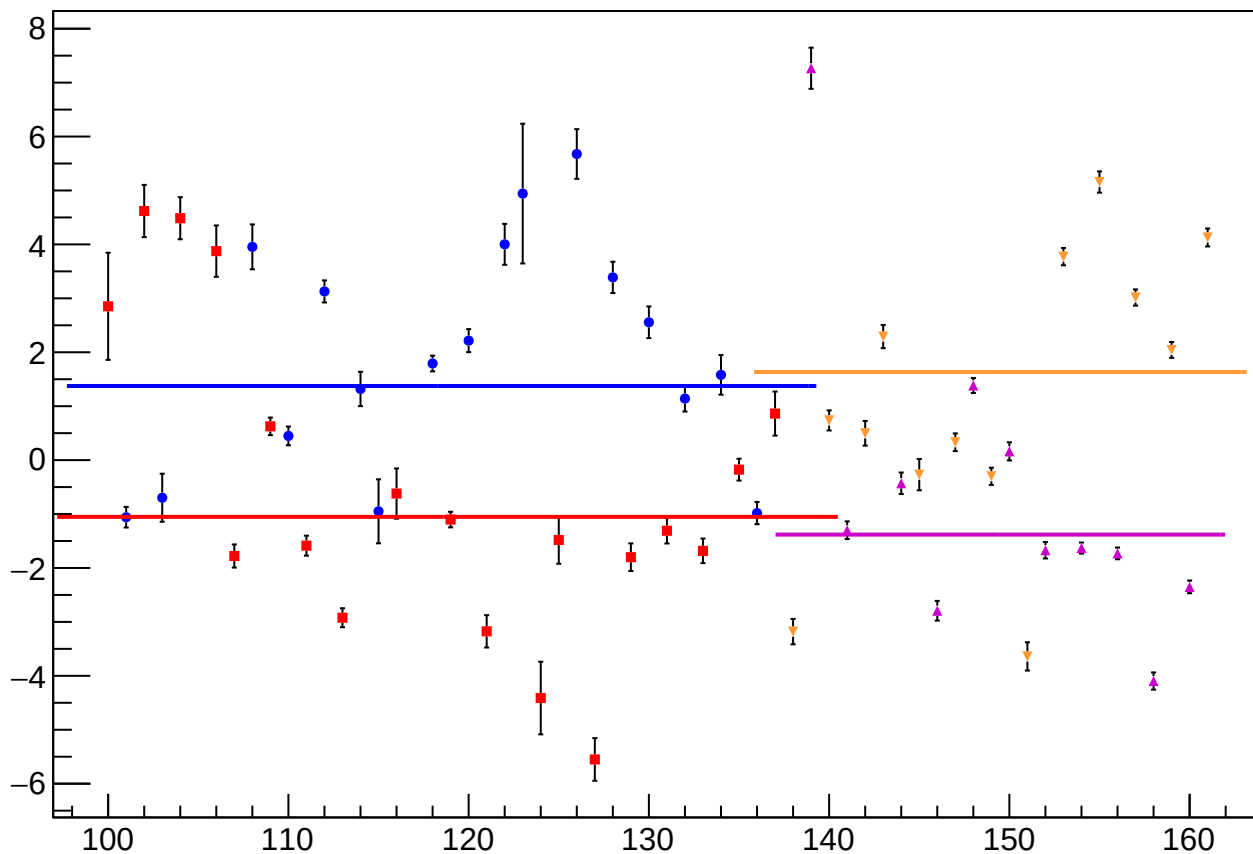
Left In: 18.270+/-0.064 χ^2/NDF : 36067.3/10

-24.069+/-0.072 χ^2/NDF : 52136.0/12

-0.326+/-0.048 χ^2/NDF : 281990.0/23

18.270+/-0.064 χ^2/NDF : 36067.3/10

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: 1.633 ± 0.051 $\chi^2/\text{NDF}: 1943.5/12$

Right Out: -1.052 ± 0.058 $\chi^2/\text{NDF}: 964.0/18$

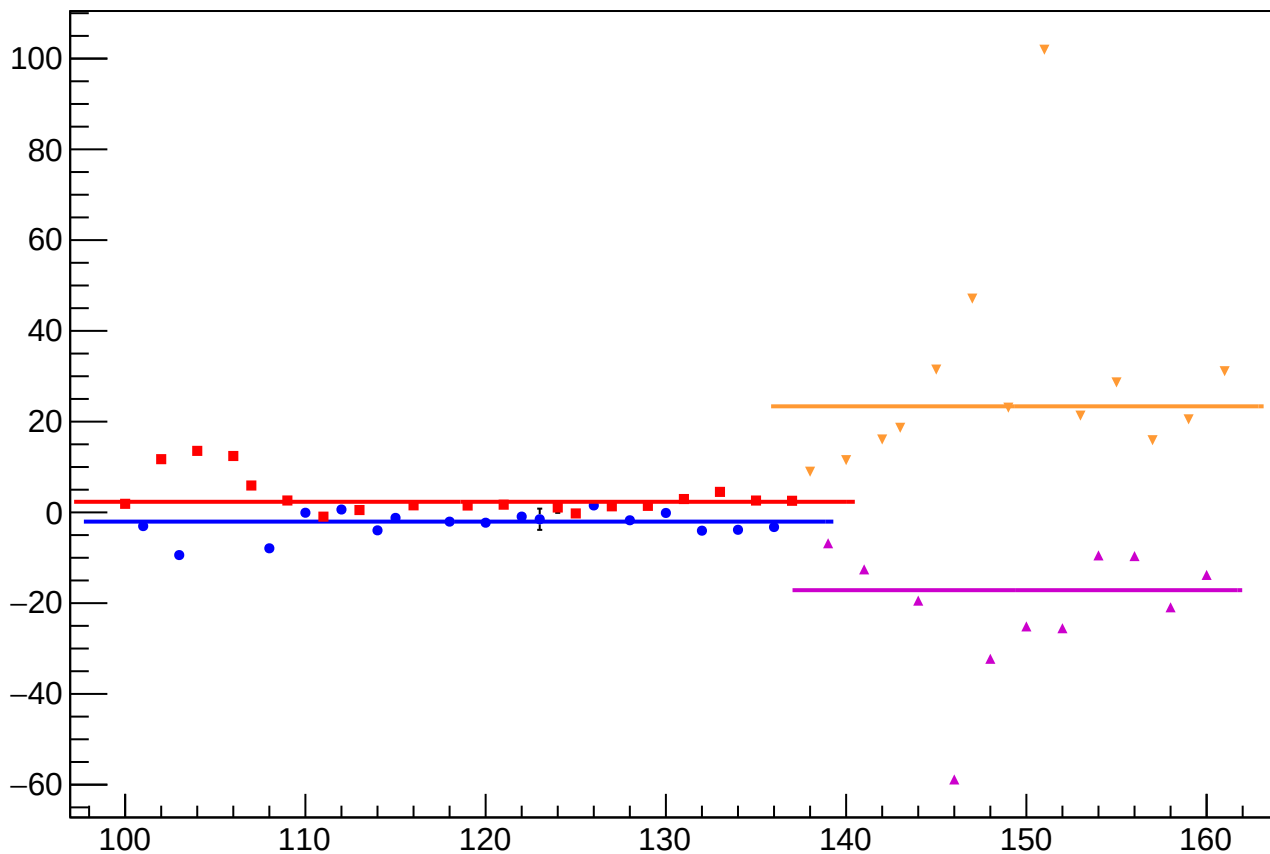
Left In: -1.381 ± 0.044 $\chi^2/\text{NDF}: 1449.9/10$

1.528 ± 0.039 $\chi^2/\text{NDF}: 2656.3/29$

-0.032 ± 0.026 $\chi^2/\text{NDF}: 7884.9/59$

-1.261 ± 0.035 $\chi^2/\text{NDF}: 2434.3/29$

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: 23.372+/-0.070 χ^2/NDF : 46924.7/12

Right Out: 2.336+/-0.099 χ^2/NDF : 902.0/18

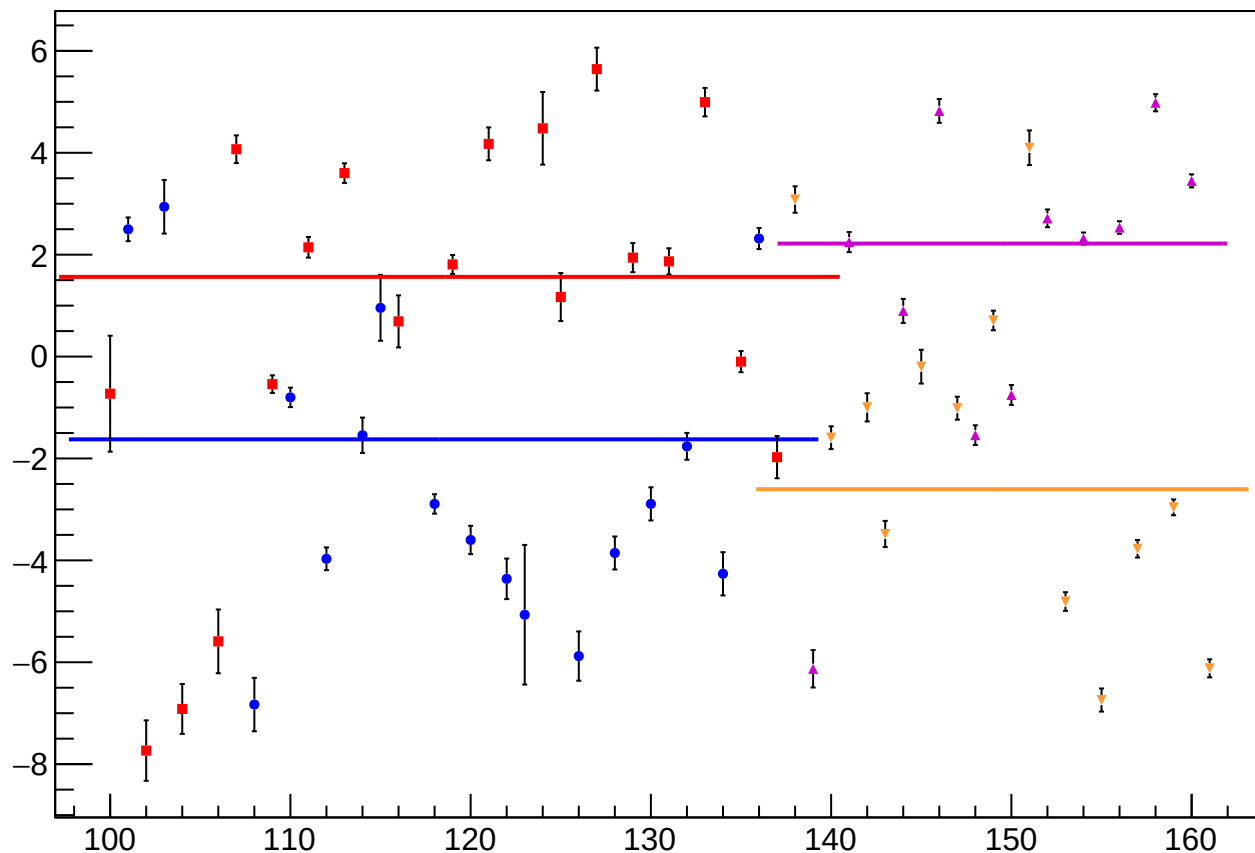
Left In: -17.140+/-0.061 χ^2/NDF : 34227.3/10

16.113+/-0.059 χ^2/NDF : 84590.7/29

0.284+/-0.039 χ^2/NDF : 272485.2/59

-11.775+/-0.052 χ^2/NDF : 63204.1/29

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: -2.604 ± 0.059 χ^2/NDF : 2253.6/12

Right Out: 1.565 ± 0.066 χ^2/NDF : 1505.8/18

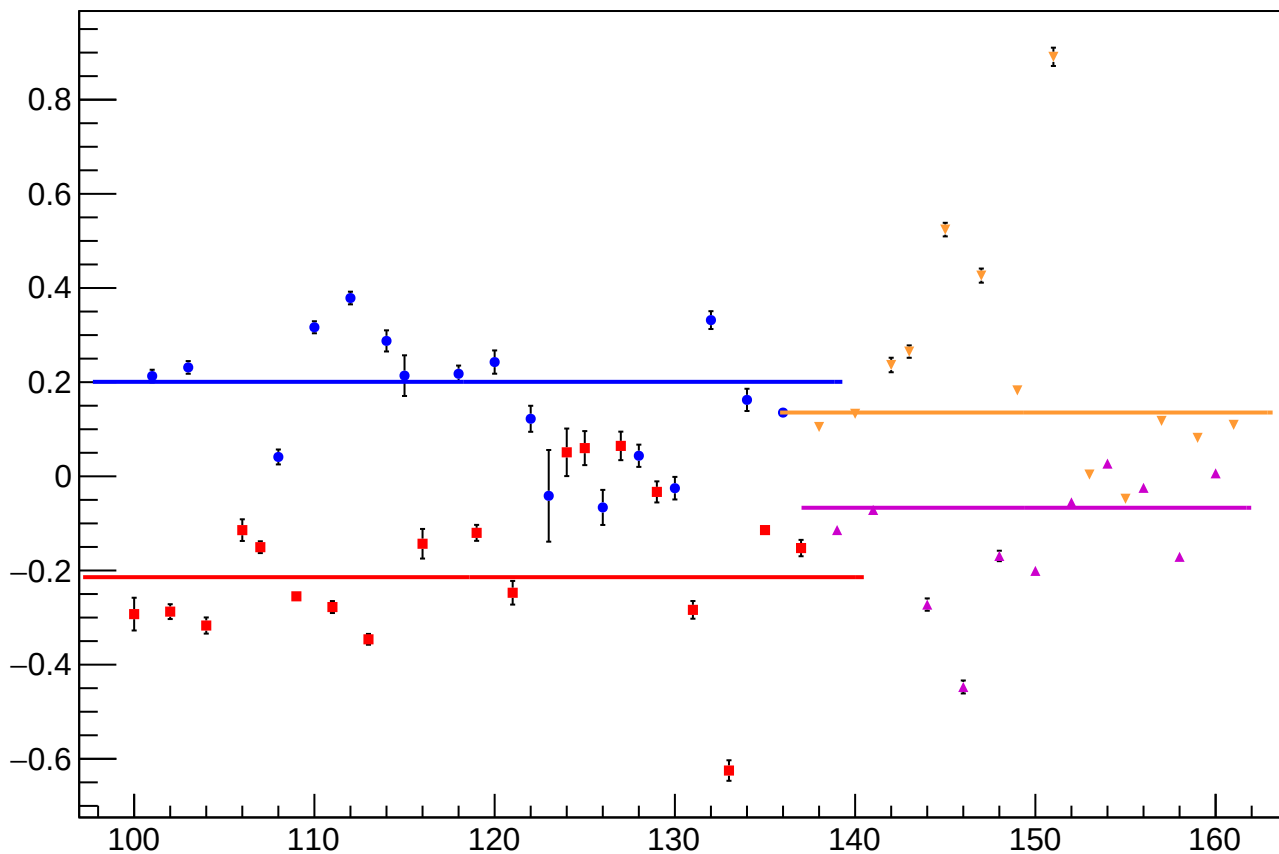
Left In: 2.218 ± 0.051 χ^2/NDF : 1658.9/10

-2.201 ± 0.046 χ^2/NDF : 3686.0/29

0.148 ± 0.030 χ^2/NDF : 11632.1/59

1.973 ± 0.040 χ^2/NDF : 3226.6/29

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.136 ± 0.003 χ^2/NDF : 3566.3/12

Right Out: -0.214 ± 0.004 χ^2/NDF : 1080.4/18

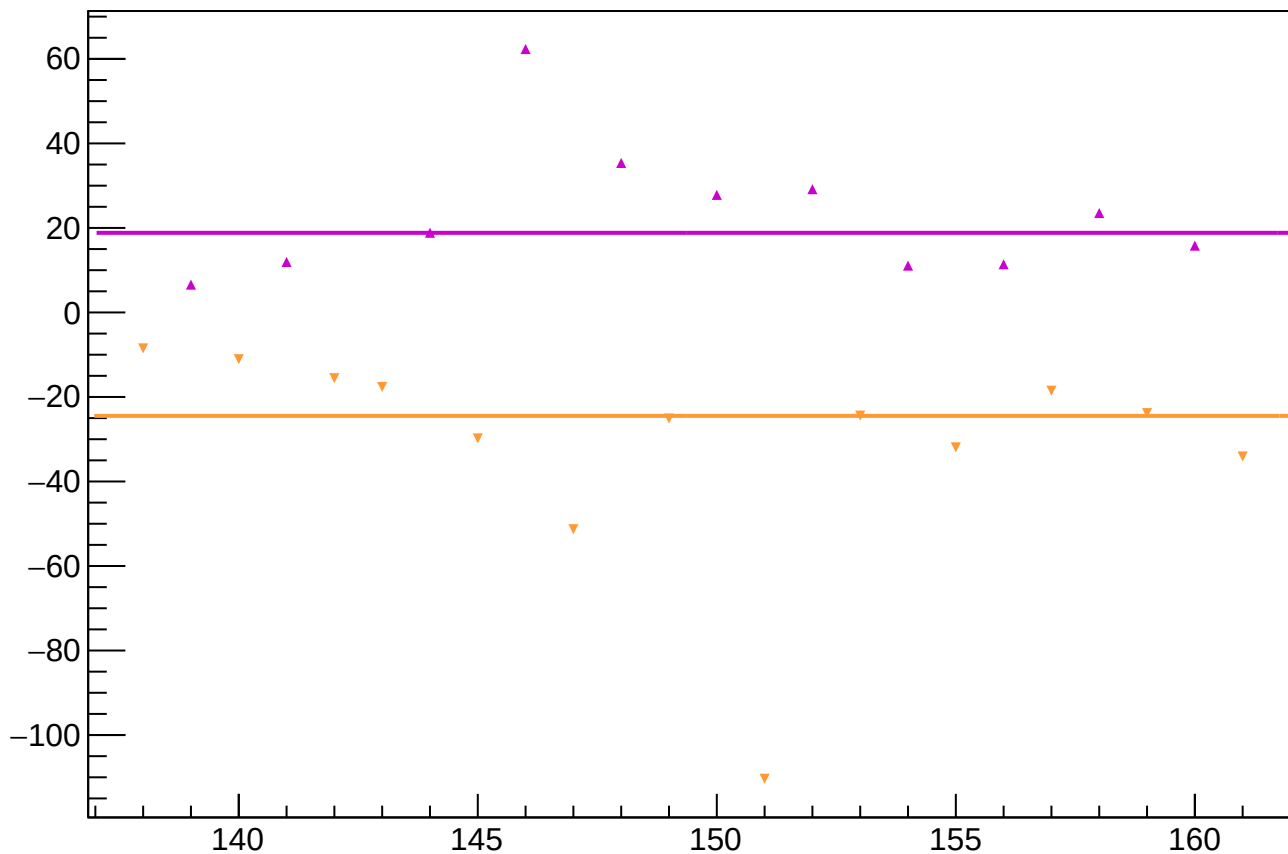
Left In: -0.067 ± 0.002 χ^2/NDF : 2096.2/10

0.155 ± 0.002 χ^2/NDF : 4431.9/29

0.003 ± 0.001 χ^2/NDF : 16642.0/59

-0.106 ± 0.002 χ^2/NDF : 4349.9/29

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.474+/-0.073 χ^2/NDF : 52015.0/12

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

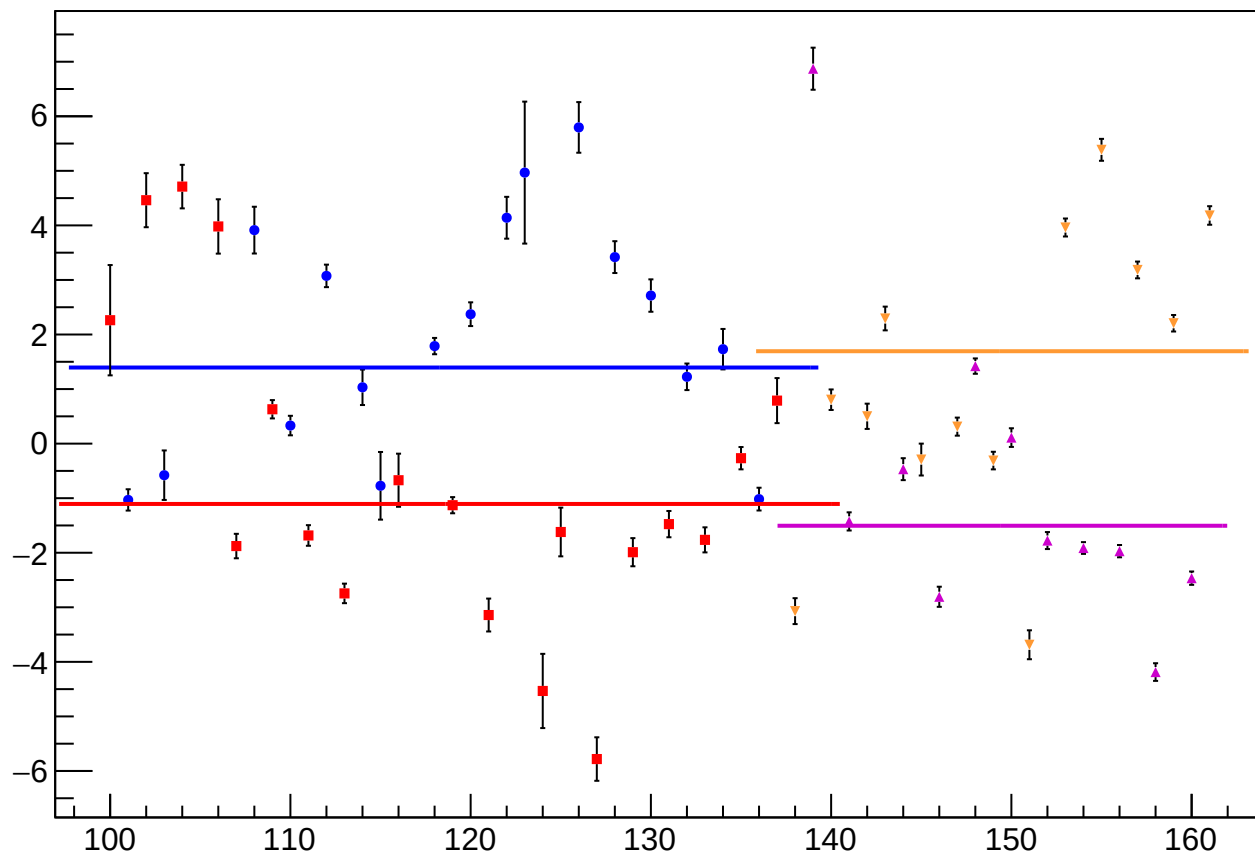
Left In: 18.840+/-0.065 χ^2/NDF : 34994.7/10

-24.474+/-0.073 χ^2/NDF : 52015.0/12

-0.361+/-0.049 χ^2/NDF : 281930.6/23

18.840+/-0.065 χ^2/NDF : 34994.7/10

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 1.694 ± 0.052 χ^2/NDF : 1987.3/12

Right Out: -1.106 ± 0.059 χ^2/NDF : 937.0/18

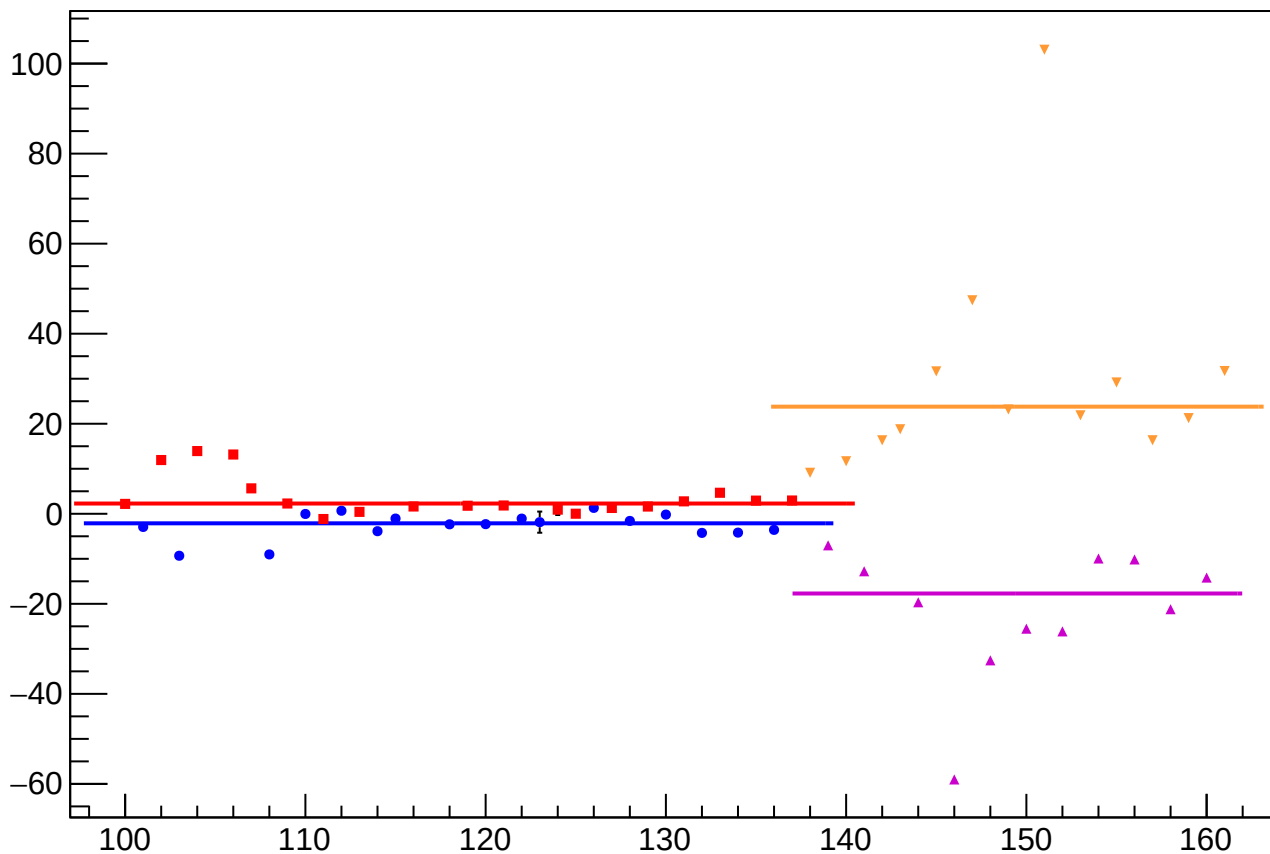
Left In: -1.505 ± 0.045 χ^2/NDF : 1441.2/10

1.573 ± 0.040 χ^2/NDF : 2702.1/29

-0.058 ± 0.027 χ^2/NDF : 8074.0/59

-1.359 ± 0.036 χ^2/NDF : 2407.0/29

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 23.794 ± 0.072 χ^2/NDF : 46671.7/12

Right Out: 2.277 ± 0.101 χ^2/NDF : 919.4/18

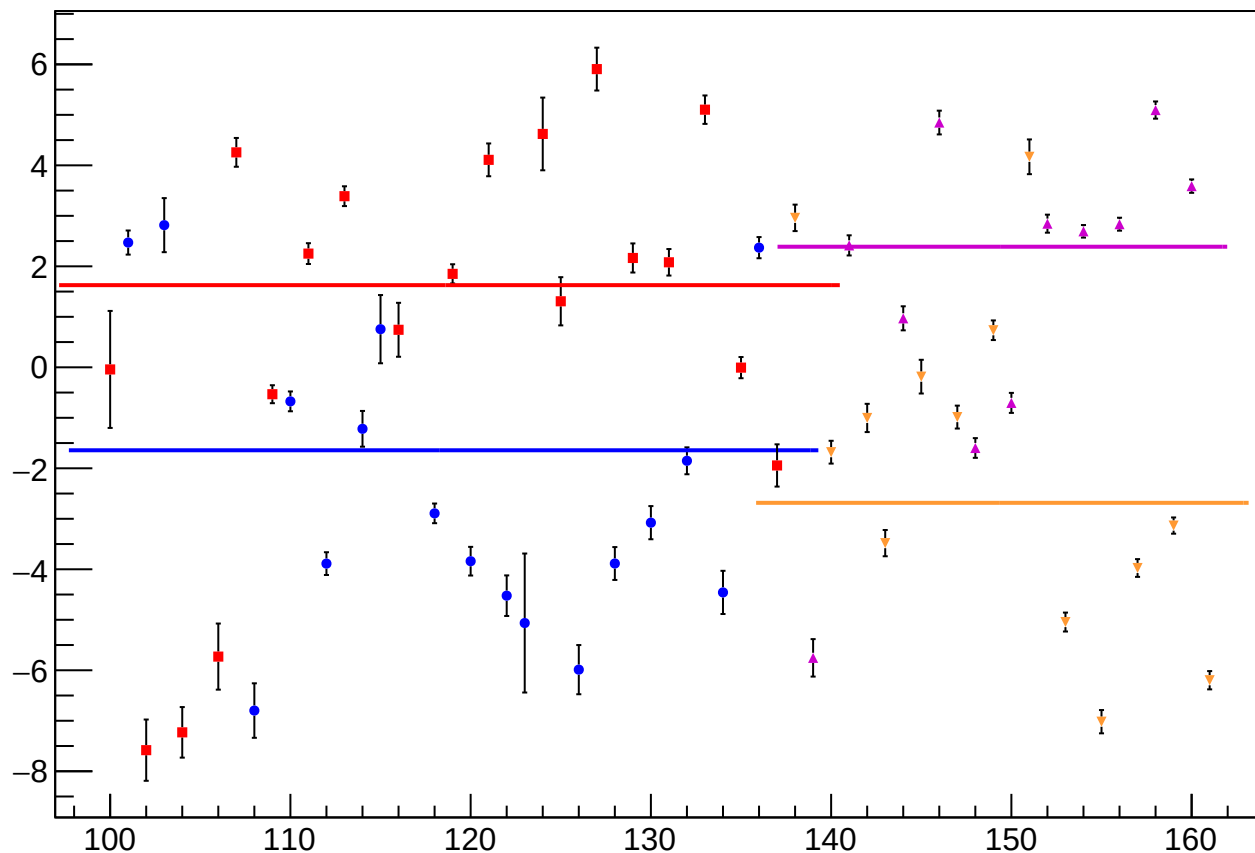
Left In: -17.707 ± 0.063 χ^2/NDF : 33075.3/10

16.399 ± 0.061 χ^2/NDF : 84539.8/29

0.284 ± 0.040 χ^2/NDF : 272460.8/59

-12.167 ± 0.053 χ^2/NDF : 62269.7/29

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: -2.684 ± 0.060 $\chi^2/\text{NDF}: 2297.5/12$

Right Out: 1.627 ± 0.067 $\chi^2/\text{NDF}: 1468.1/18$

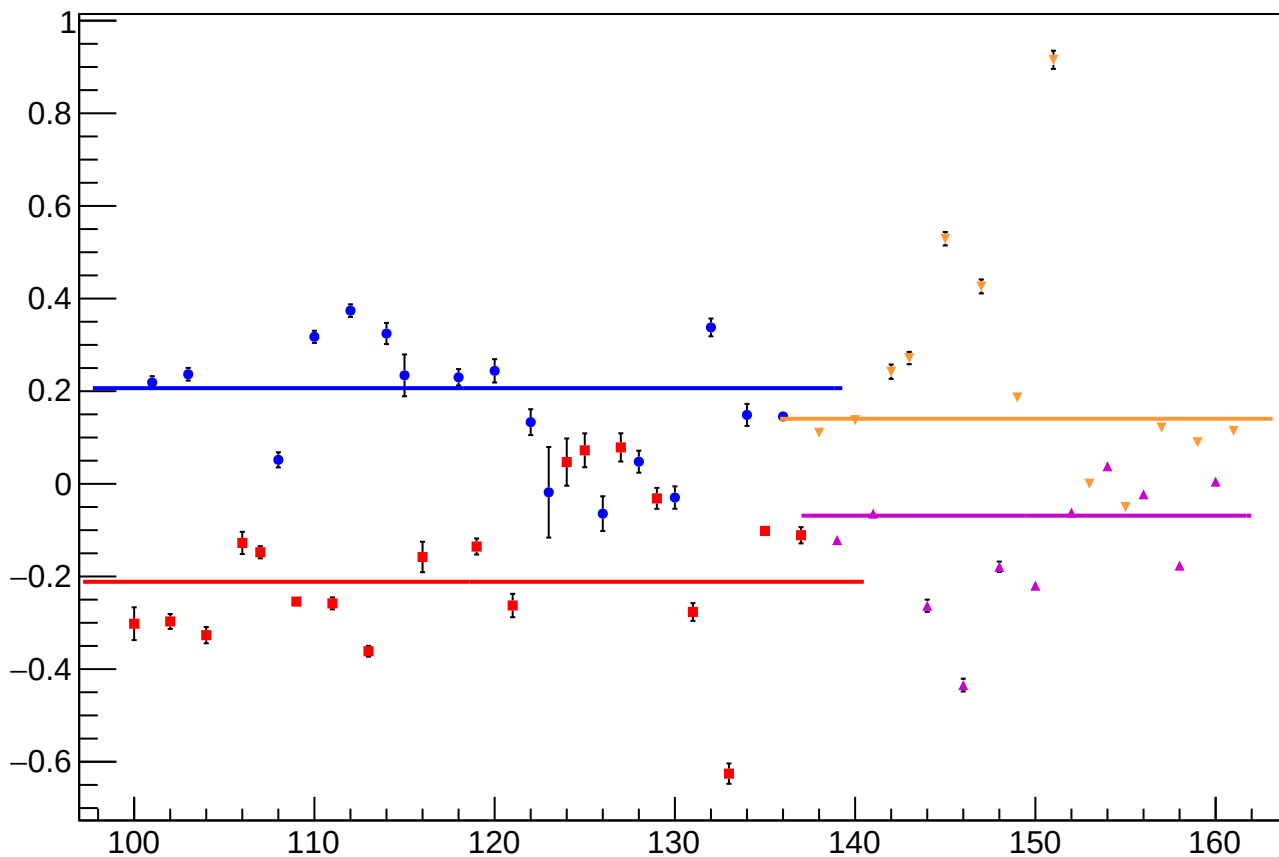
Left In: 2.388 ± 0.052 $\chi^2/\text{NDF}: 1644.8/10$

-2.256 ± 0.046 $\chi^2/\text{NDF}: 3729.4/29$

0.182 ± 0.031 $\chi^2/\text{NDF}: 11861.7/59$

2.101 ± 0.041 $\chi^2/\text{NDF}: 3193.4/29$

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: 0.160 $\pm$ 0.002 χ^2/NDF : 4442.1/29

Right Out: -0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

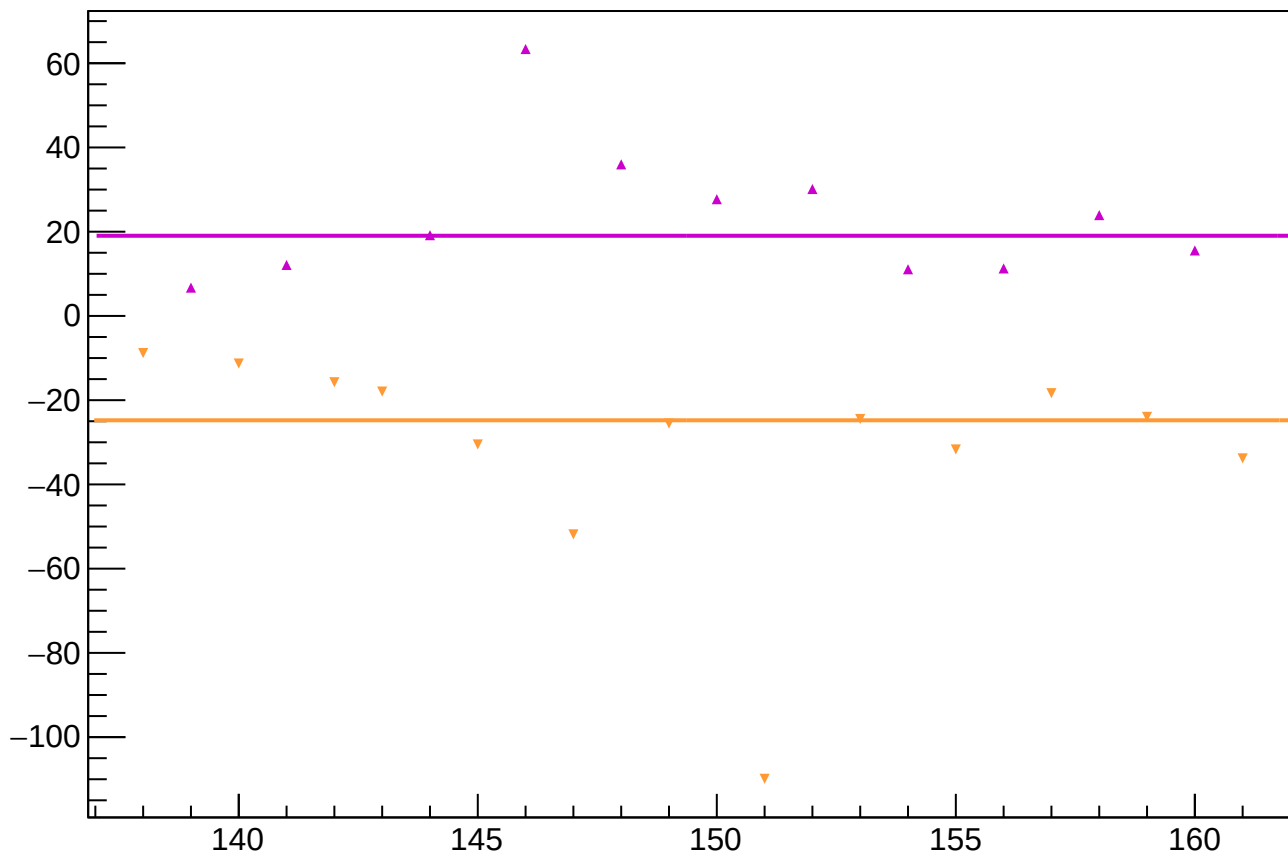
Left In: -0.107 $\pm$ 0.002 χ^2/NDF : 4334.9/29

0.160 $\pm$ 0.002 χ^2/NDF : 4442.1/29

0.006 $\pm$ 0.001 χ^2/NDF : 16682.0/59

-0.107 $\pm$ 0.002 χ^2/NDF : 4334.9/29

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.775+/-0.074 χ^2/NDF : 51106.4/12

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

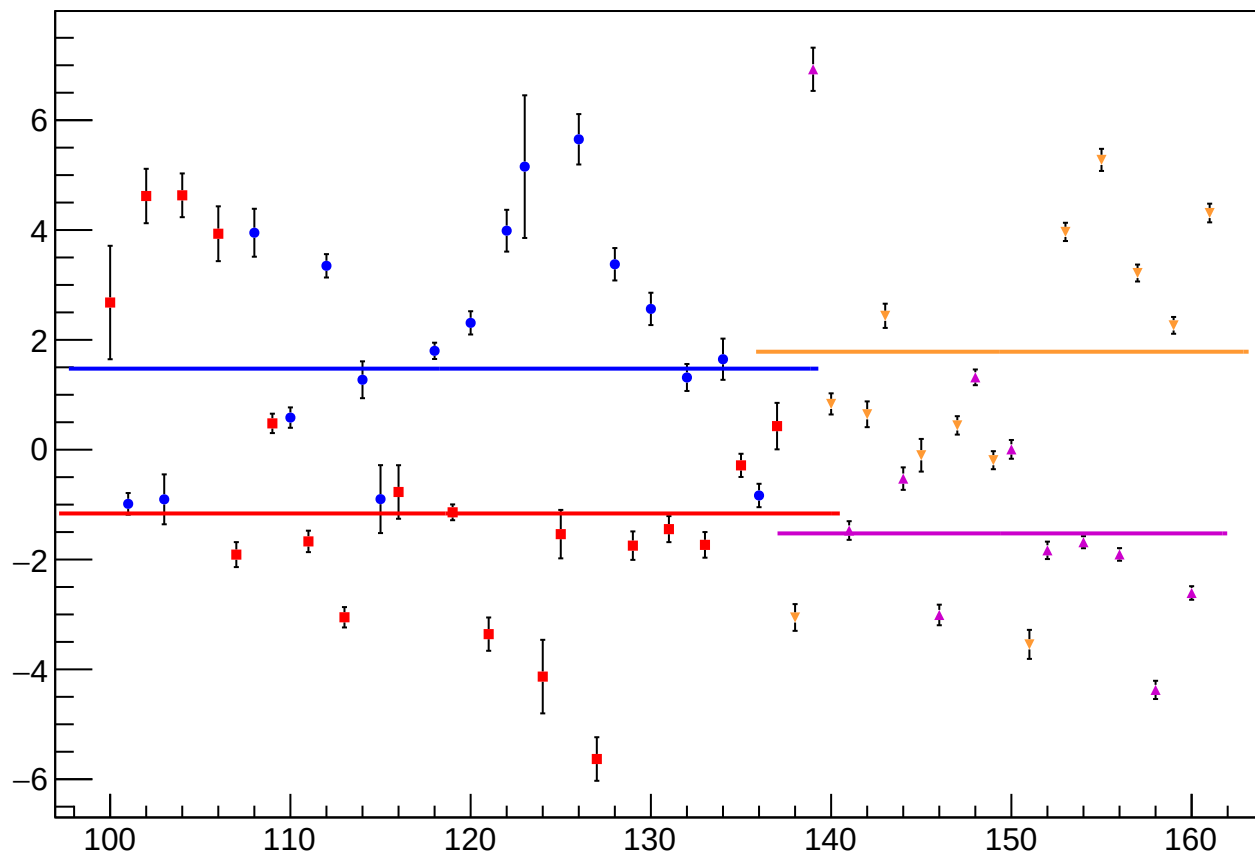
Left In: 19.038+/-0.066 χ^2/NDF : 35415.5/10

-24.775+/-0.074 χ^2/NDF : 51106.4/12

-0.481+/-0.049 χ^2/NDF : 280355.4/23

19.038+/-0.066 χ^2/NDF : 35415.5/10

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 1.784 ± 0.053 χ^2/NDF : 1897.7/12

Right Out: -1.161 ± 0.060 χ^2/NDF : 917.9/18

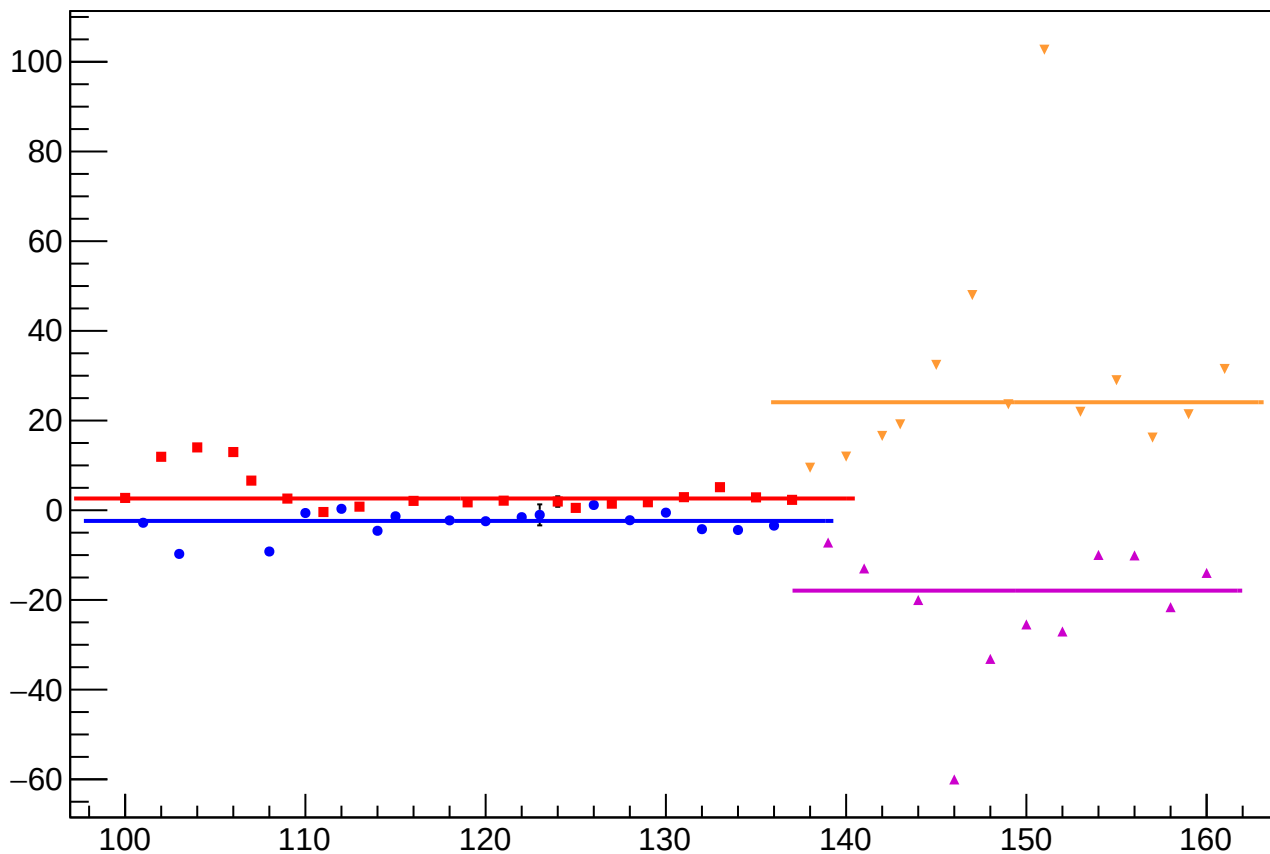
Left In: -1.524 ± 0.046 χ^2/NDF : 1411.8/10

1.659 ± 0.041 χ^2/NDF : 2571.2/29

-0.030 ± 0.027 χ^2/NDF : 8056.2/59

-1.390 ± 0.036 χ^2/NDF : 2352.8/29

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: 24.085 ± 0.072 $\chi^2/\text{NDF}: 45994.1/12$

Right Out: 2.623 ± 0.103 $\chi^2/\text{NDF}: 841.3/18$

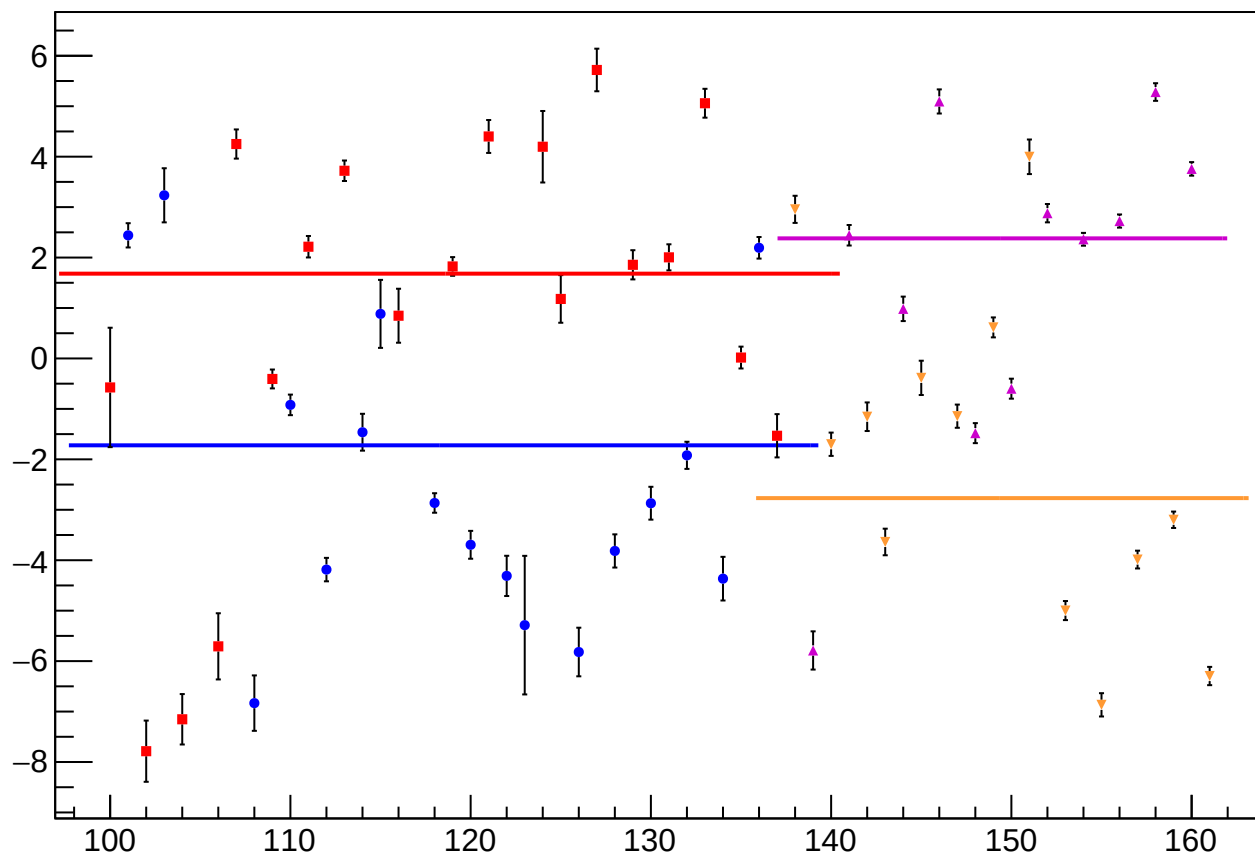
Left In: -17.925 ± 0.064 $\chi^2/\text{NDF}: 33517.2/10$

16.573 ± 0.061 $\chi^2/\text{NDF}: 84340.8/29$

0.380 ± 0.041 $\chi^2/\text{NDF}: 271745.4/59$

-12.270 ± 0.054 $\chi^2/\text{NDF}: 63060.8/29$

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: -2.769 ± 0.061 χ^2/NDF : 2187.1/12

Right Out: 1.681 ± 0.068 χ^2/NDF : 1431.0/18

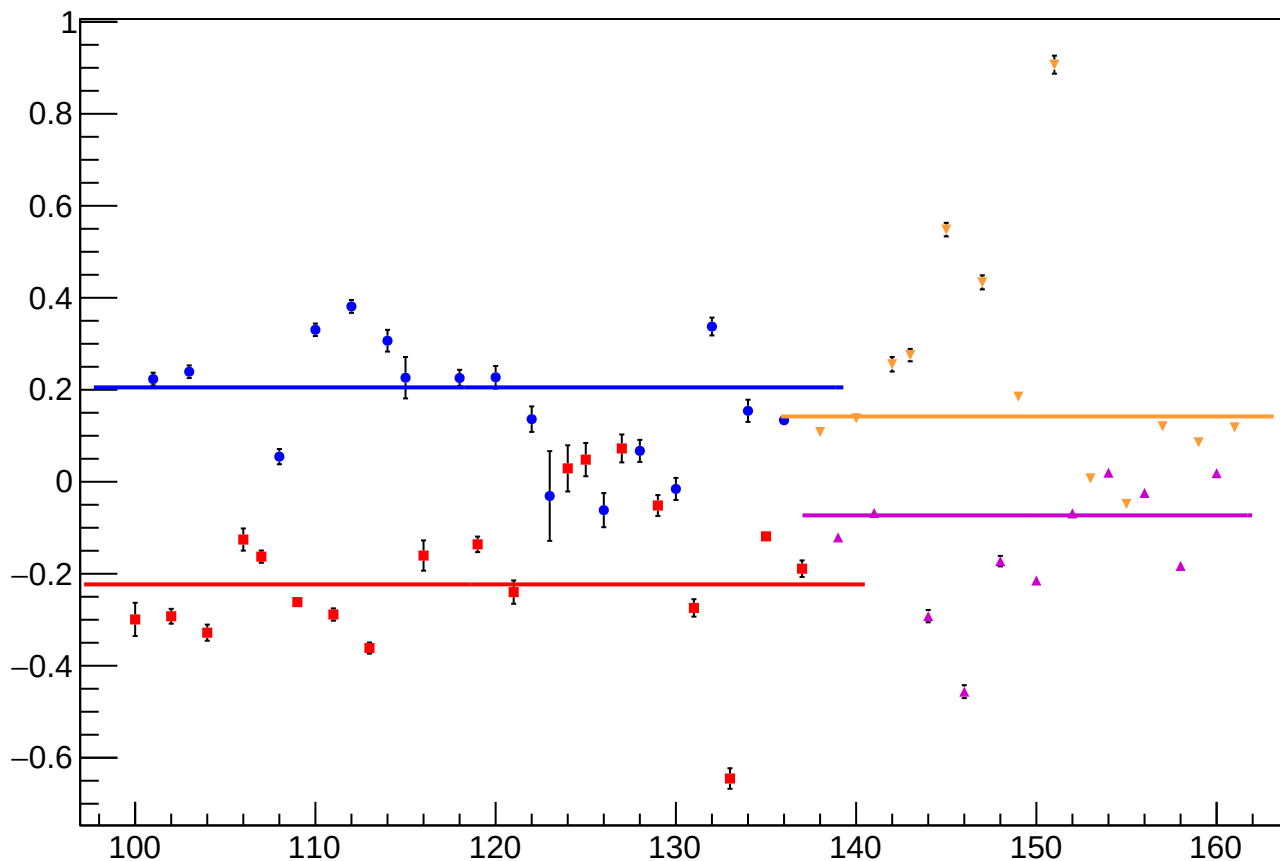
Left In: 2.380 ± 0.053 χ^2/NDF : 1627.0/10

-2.339 ± 0.047 χ^2/NDF : 3555.4/29

0.142 ± 0.031 χ^2/NDF : 11710.7/59

2.116 ± 0.042 χ^2/NDF : 3123.9/29

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.004 $\chi^2/\text{NDF}: 650.7/16$

Left Out: 0.142 ± 0.003 $\chi^2/\text{NDF}: 3618.0/12$

Right Out: -0.223 ± 0.004 $\chi^2/\text{NDF}: 1040.5/18$

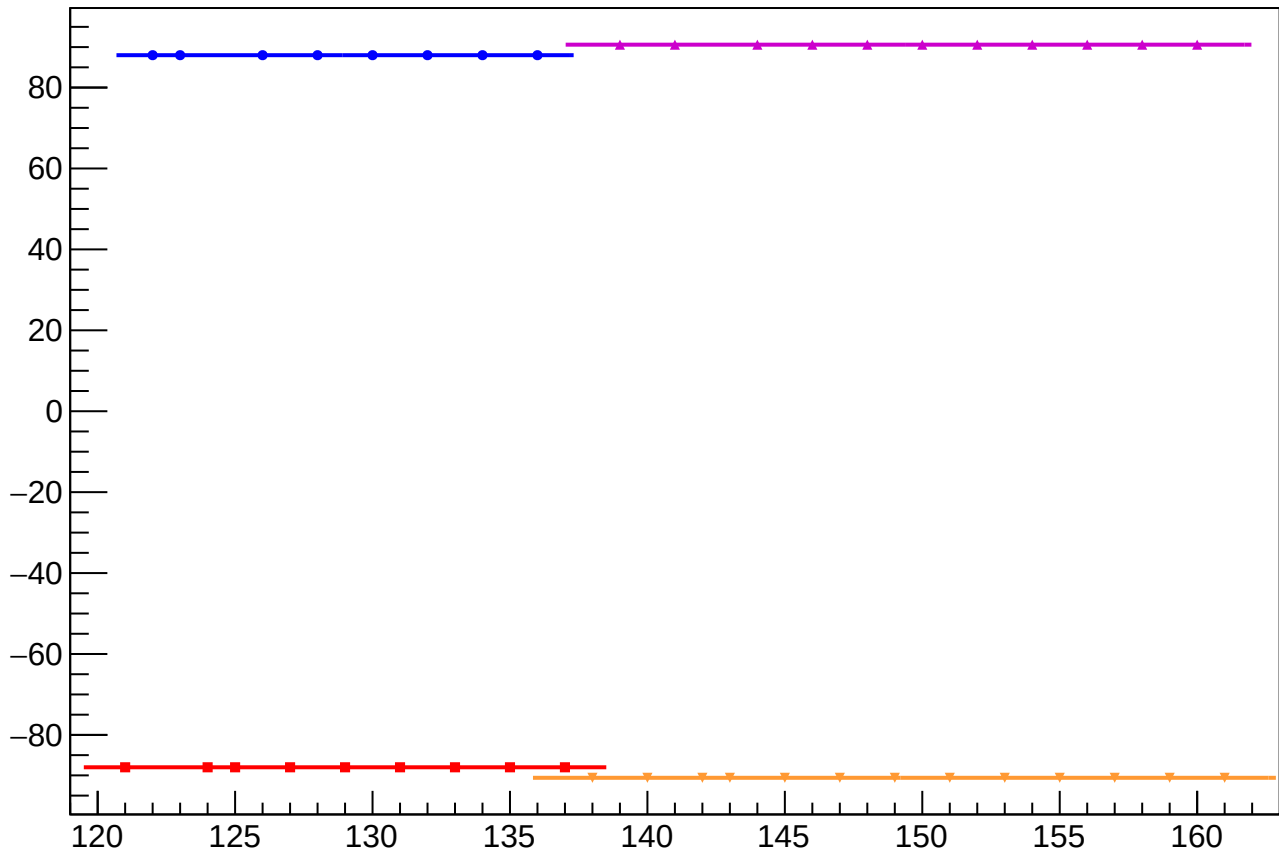
Left In: -0.073 ± 0.002 $\chi^2/\text{NDF}: 2131.3/10$

0.160 ± 0.002 $\chi^2/\text{NDF}: 4423.6/29$

0.003 ± 0.002 $\chi^2/\text{NDF}: 16791.2/59$

-0.113 ± 0.002 $\chi^2/\text{NDF}: 4290.8/29$

VWienAngle_mean vs Slug, Sign Corrected

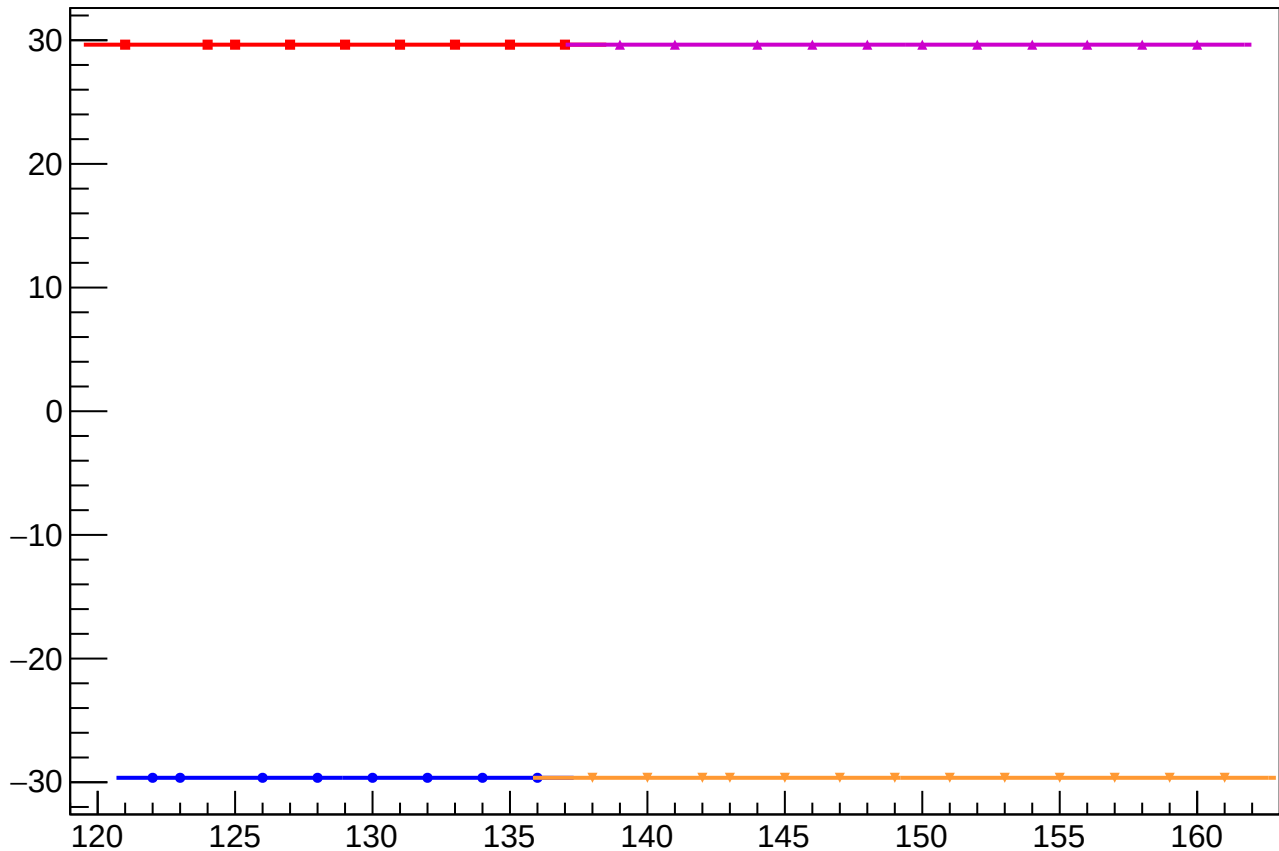


-45.354 $\pm$ 0.000 χ^2 /NDF: 81454630655999913

-1.940 $\pm$ 0.000 χ^2 /NDF: 21016636374490

44.984 $\pm$ 0.000 χ^2 /NDF: 75765955109687618

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 179948.6/12

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

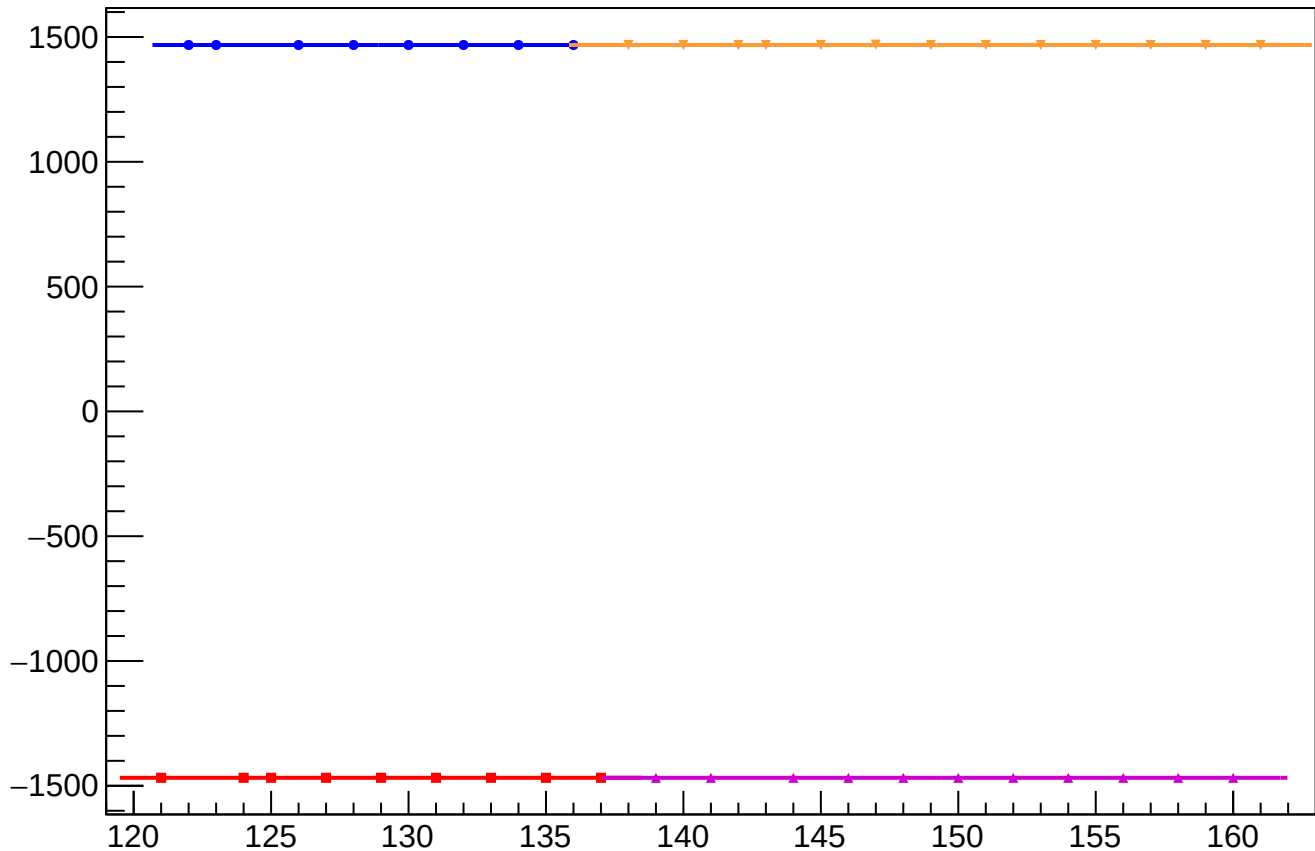
Left In: 29.641+/-0.000 χ^2/NDF : 26556.2/10

-29.641+/-0.000 χ^2/NDF : 1106651.9/20

-1.152+/-0.000 χ^2/NDF : 2279958394325

29.641+/-0.000 χ^2/NDF : 1549322.8/19

psub_pl_pos_mean vs Slug, Sign Corrected



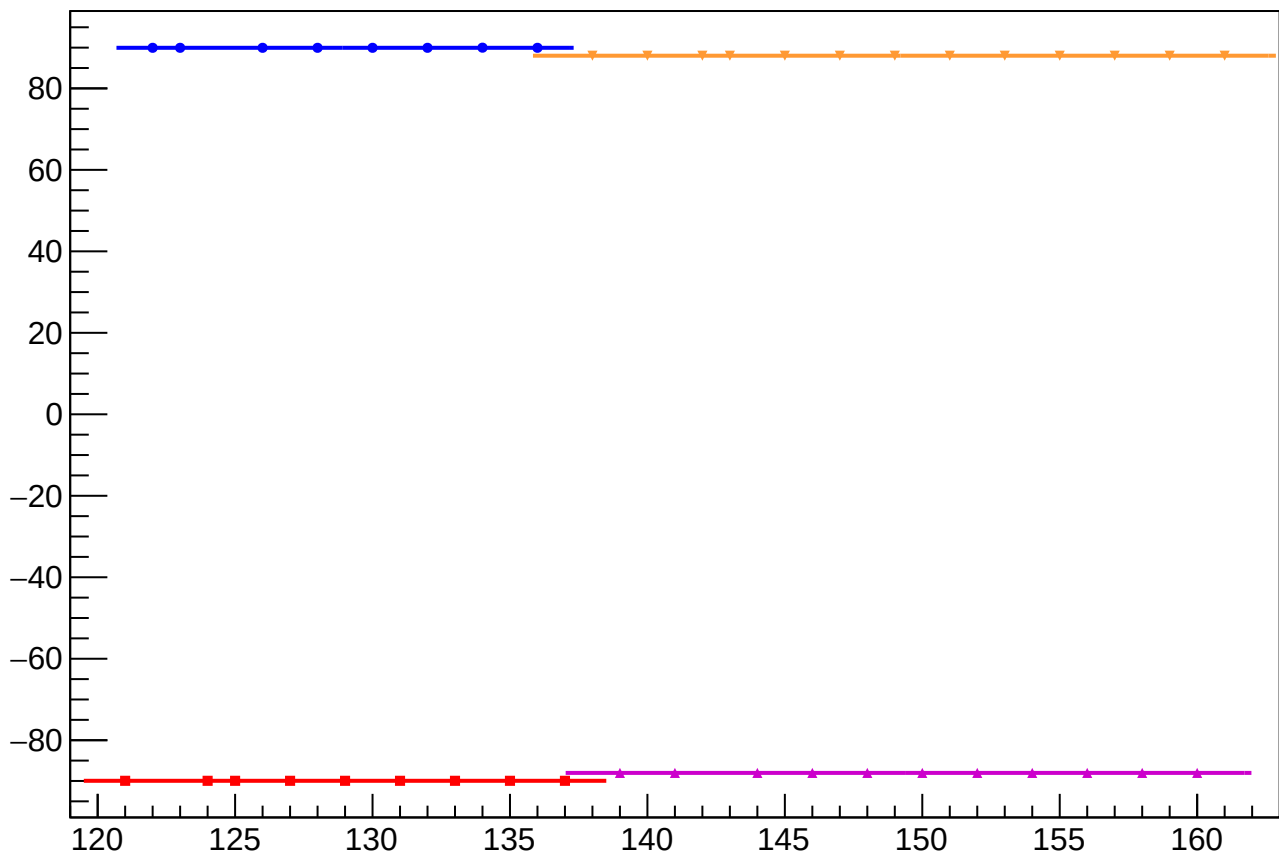
Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.091+/-0.000 χ^2/NDF : 123899422189392755615913331392512.0/12

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: -1467.988+/-0.000 χ^2/NDF : 92276989220126965117944332288.0/10

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961 ± 0.000 $\chi^2/\text{NDF}: 21528640598708602874349223936.0/7$

Left Out: 88.021 ± 0.000 $\chi^2/\text{NDF}: 3134642.9/12$

Right Out: -89.959 ± 0.000 $\chi^2/\text{NDF}: 331397.3/8$

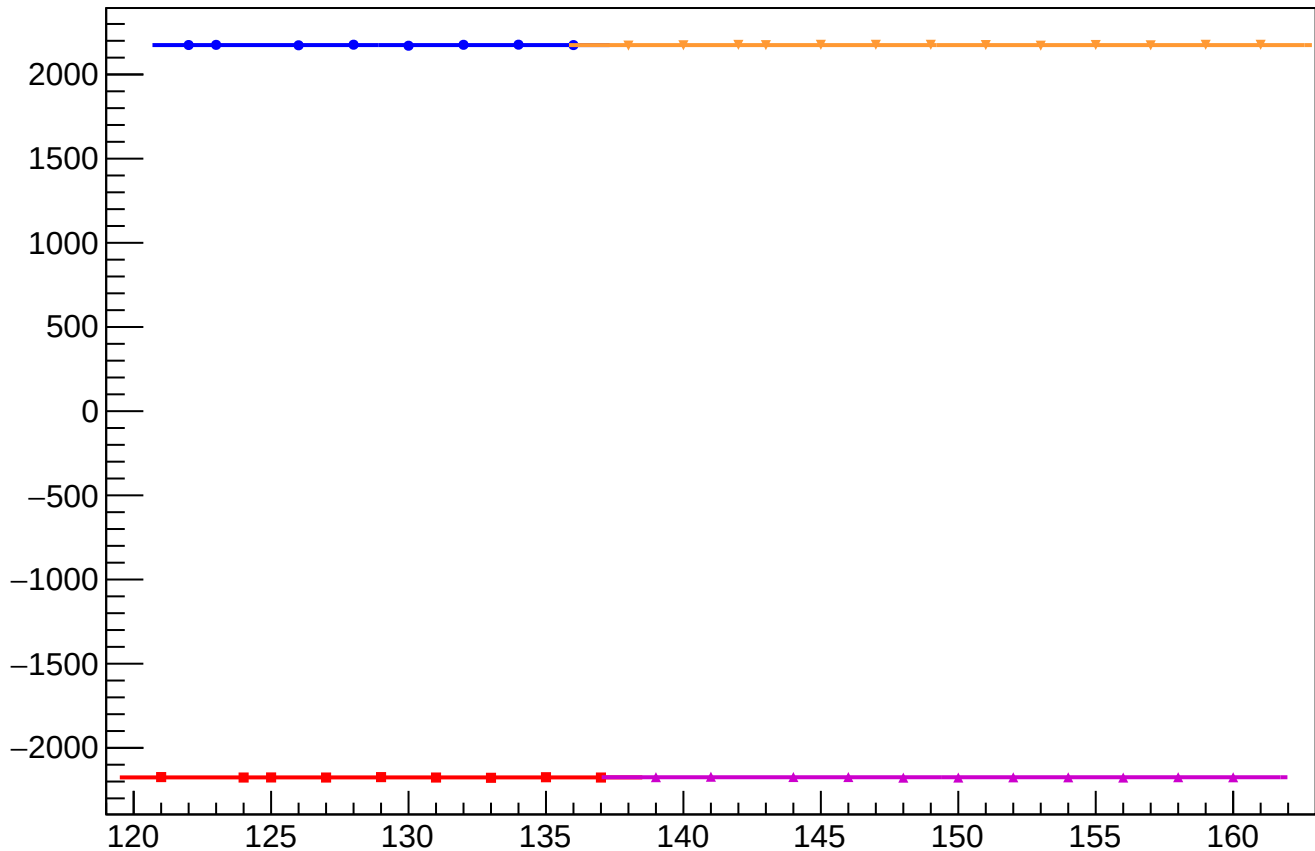
Left In: -88.021 ± 0.000 $\chi^2/\text{NDF}: 507698.3/10$

88.512 ± 0.000 $\chi^2/\text{NDF}: 961711868088605173$

3.438 ± 0.000 $\chi^2/\text{NDF}: 20333597699224$

-88.516 ± 0.000 $\chi^2/\text{NDF}: 89265740031156603$

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.477 $\pm$ 0.000 χ^2 /NDF: 3401346165796140468266581840887808.0/12

Right Out: -2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

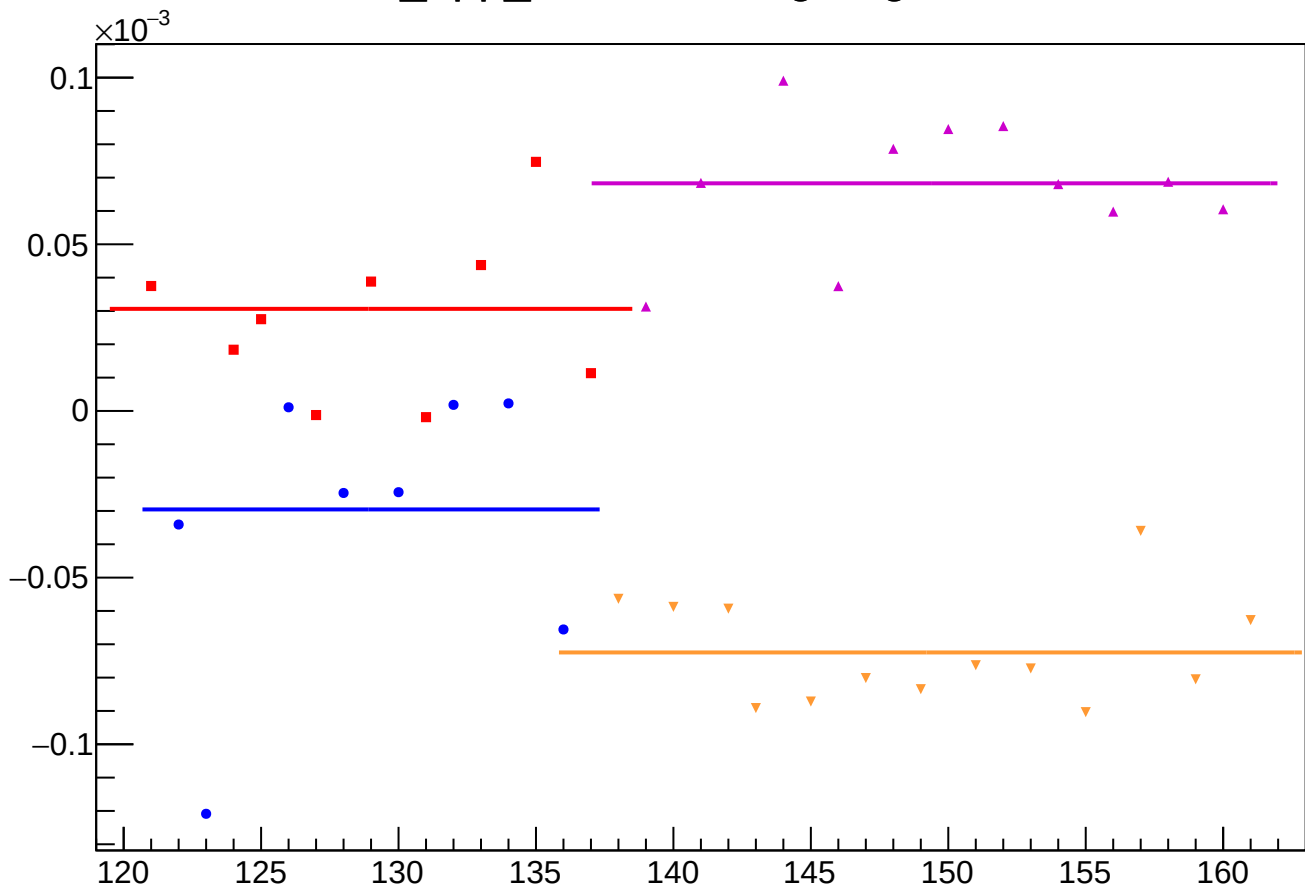
Left In: -2174.475 $\pm$ 0.000 χ^2 /NDF: 2187961060873534678742783926206464.0/10

2174.501 $\pm$ 0.000 χ^2 /NDF: 4763927956145535

84.397 $\pm$ 0.000 χ^2 /NDF: 1227195158430

-2174.722 $\pm$ 0.000 χ^2 /NDF: 302071884699737

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 250161267307815387529216.0/7$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 241911713967796215873536.0/12$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 196732771178766734983168.0/8$

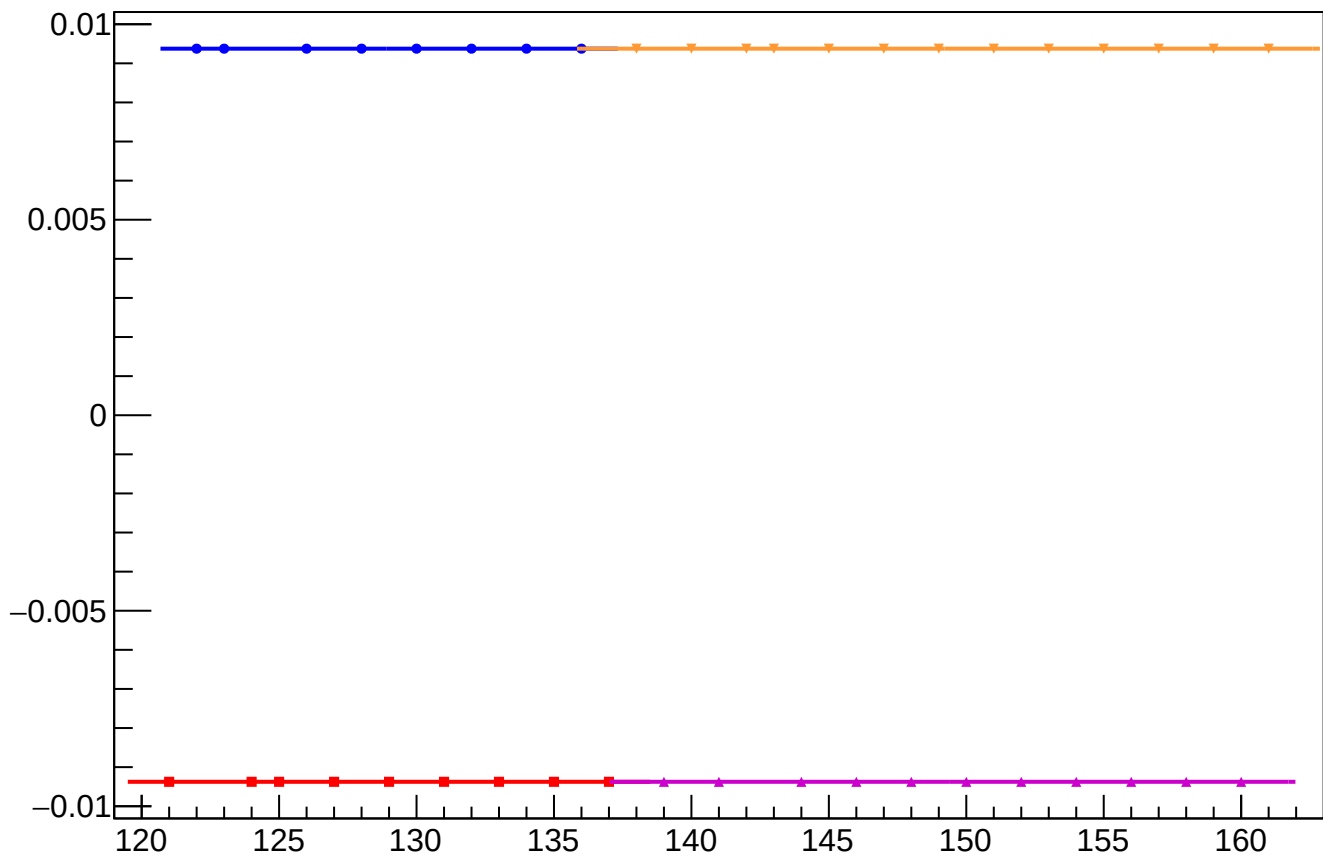
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 334112562315738610663424.0/10$

-0.000 ± 0.000 $\chi^2/\text{NDF}: 962194510110055945$

-0.000 ± 0.000 $\chi^2/\text{NDF}: 1121189386306$

0.000 ± 0.000 $\chi^2/\text{NDF}: 8677092701583420025$

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/12

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

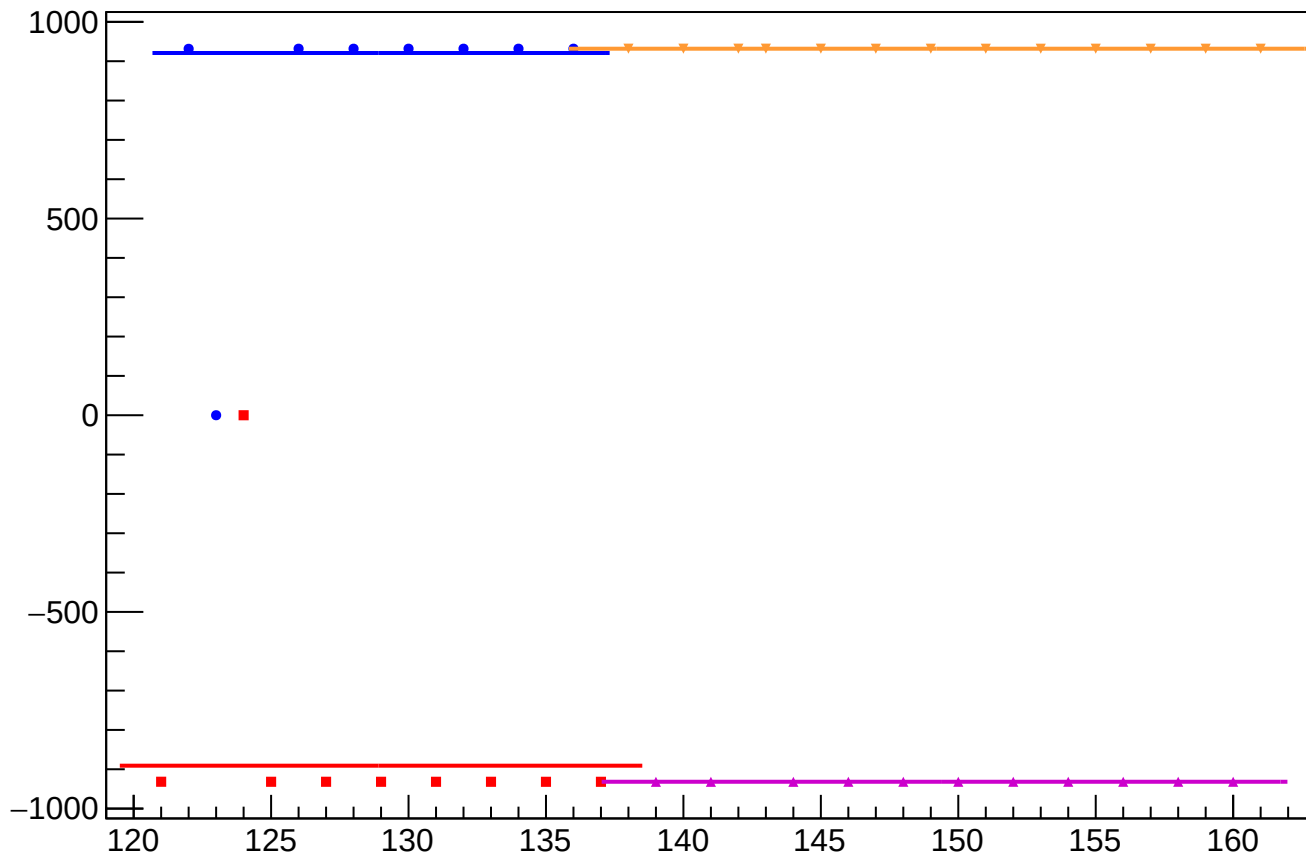
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/10

0.009+/-0.000 χ^2/NDF : 0.1/20

0.000+/-0.000 χ^2/NDF : 22808276620815

-0.009+/-0.000 χ^2/NDF : 0.1/19

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



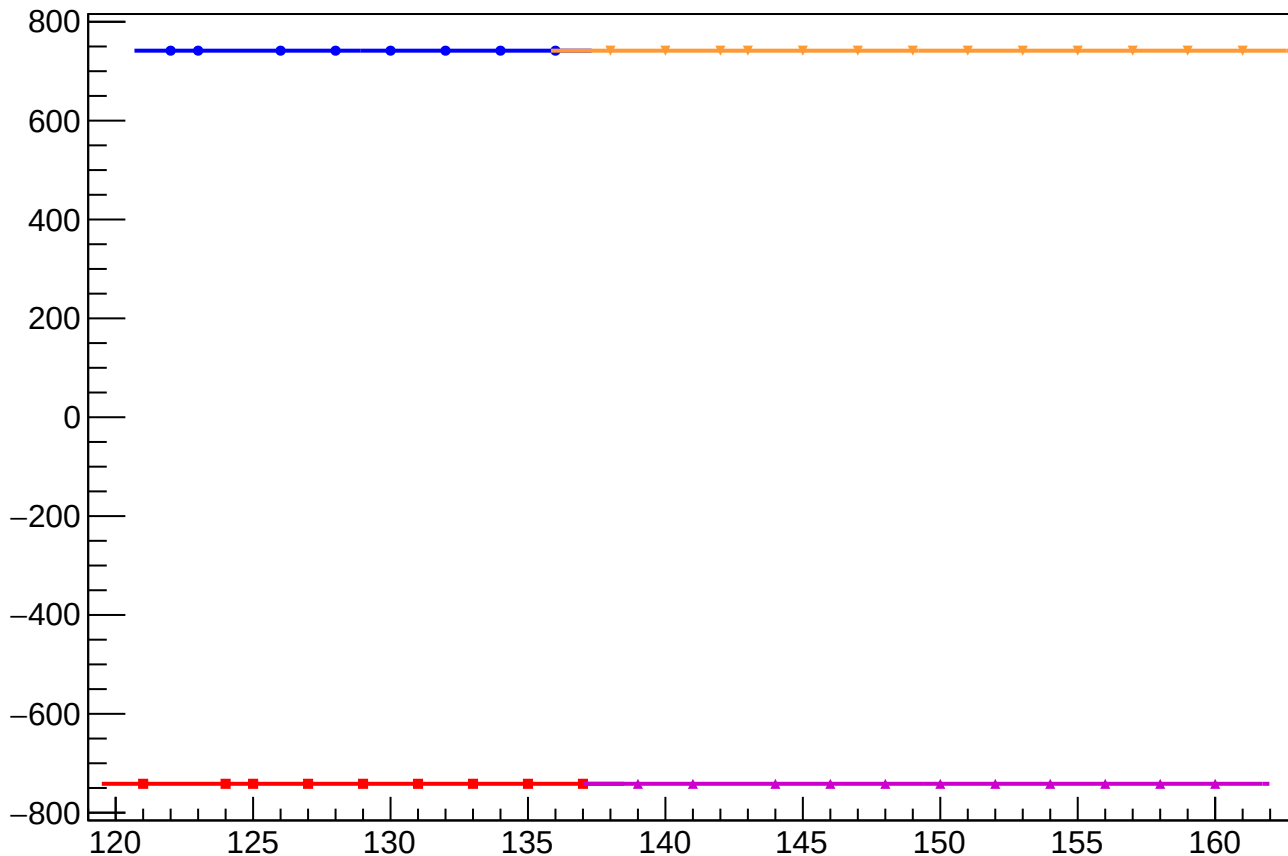
Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.785+/-0.000 χ^2/NDF : 3824096995025246389004459311104.0/12

Right Out: -890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8

Left In: -931.772+/-0.000 χ^2/NDF : 3336116020994260383725726466048.0/10

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.518+/-0.000 χ^2/NDF : 102751145083428582270445813760.0/12

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

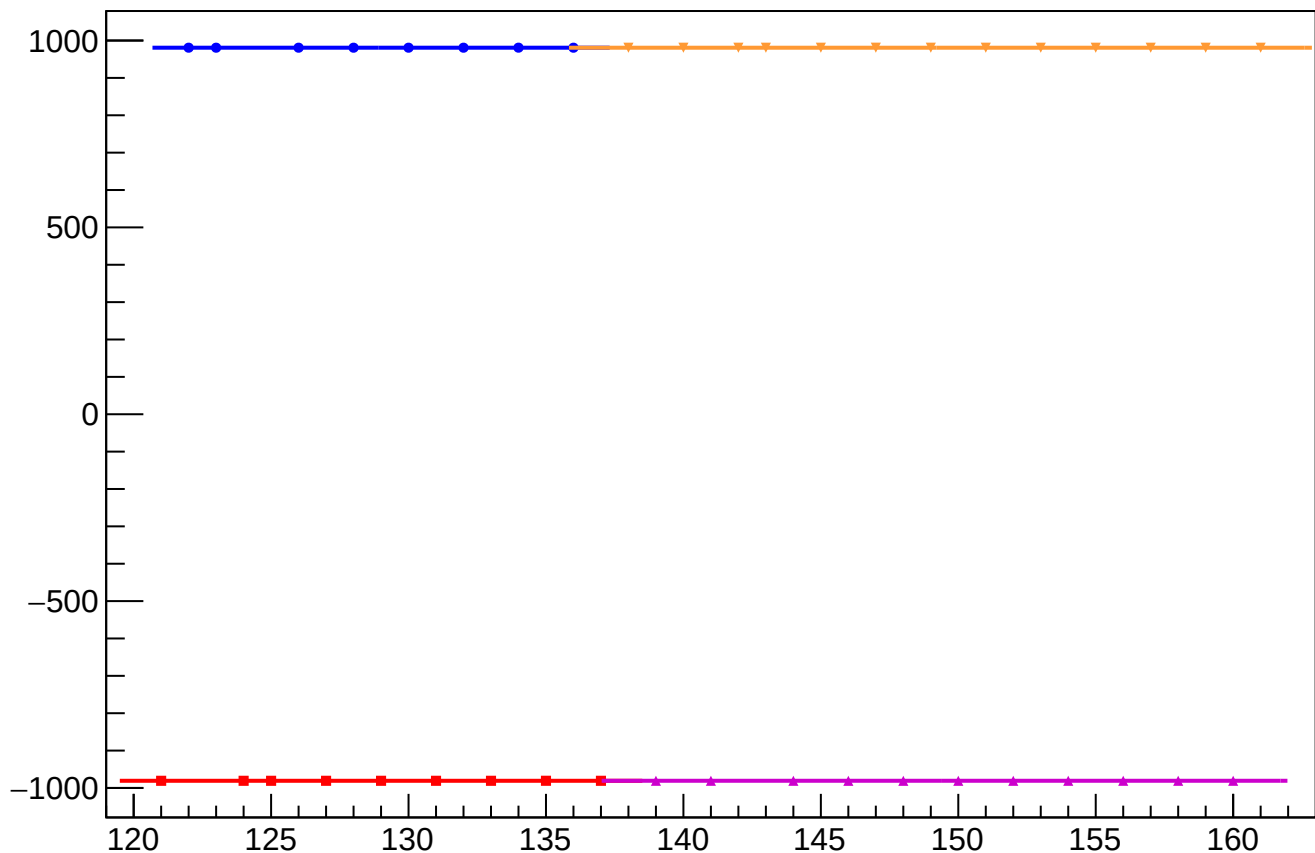
Left In: -741.518+/-0.000 χ^2/NDF : 86406261515950598750822465536.0/10

741.520+/-0.000 χ^2/NDF : 14502551472929950

28.816+/-0.000 χ^2/NDF : 1426909375131

-741.521+/-0.000 χ^2/NDF : 1283776495475736

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.773+/-0.000 χ^2/NDF : 556977984966251931491534635008.0/12

Right Out: -980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

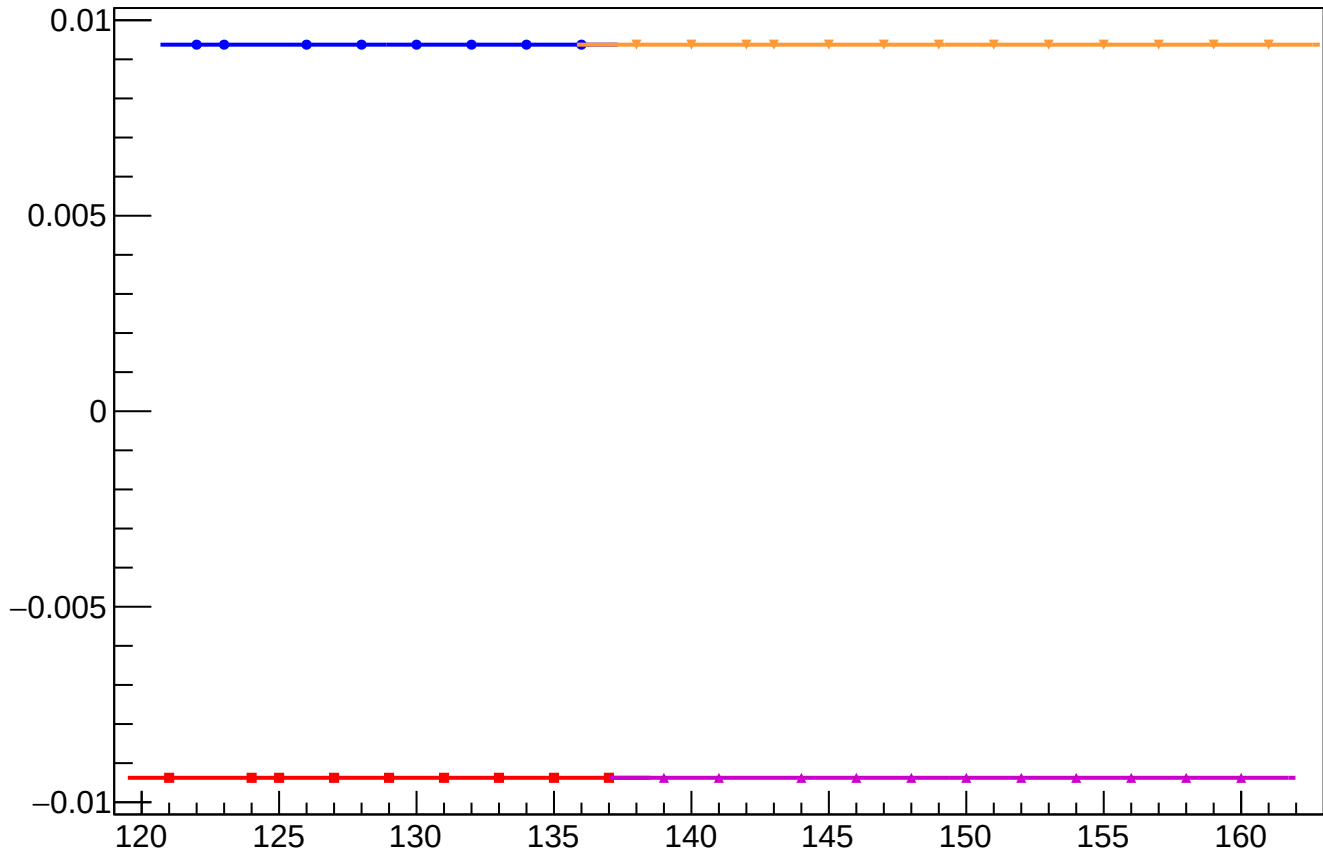
Left In: -980.785+/-0.000 χ^2/NDF : 1087775745028858896175278850048.0/10

980.786+/-0.000 χ^2/NDF : 14133050359514865

38.111+/-0.000 χ^2/NDF : 2496329279217

-980.793+/-0.000 χ^2/NDF : 1492192073825361

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/12$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

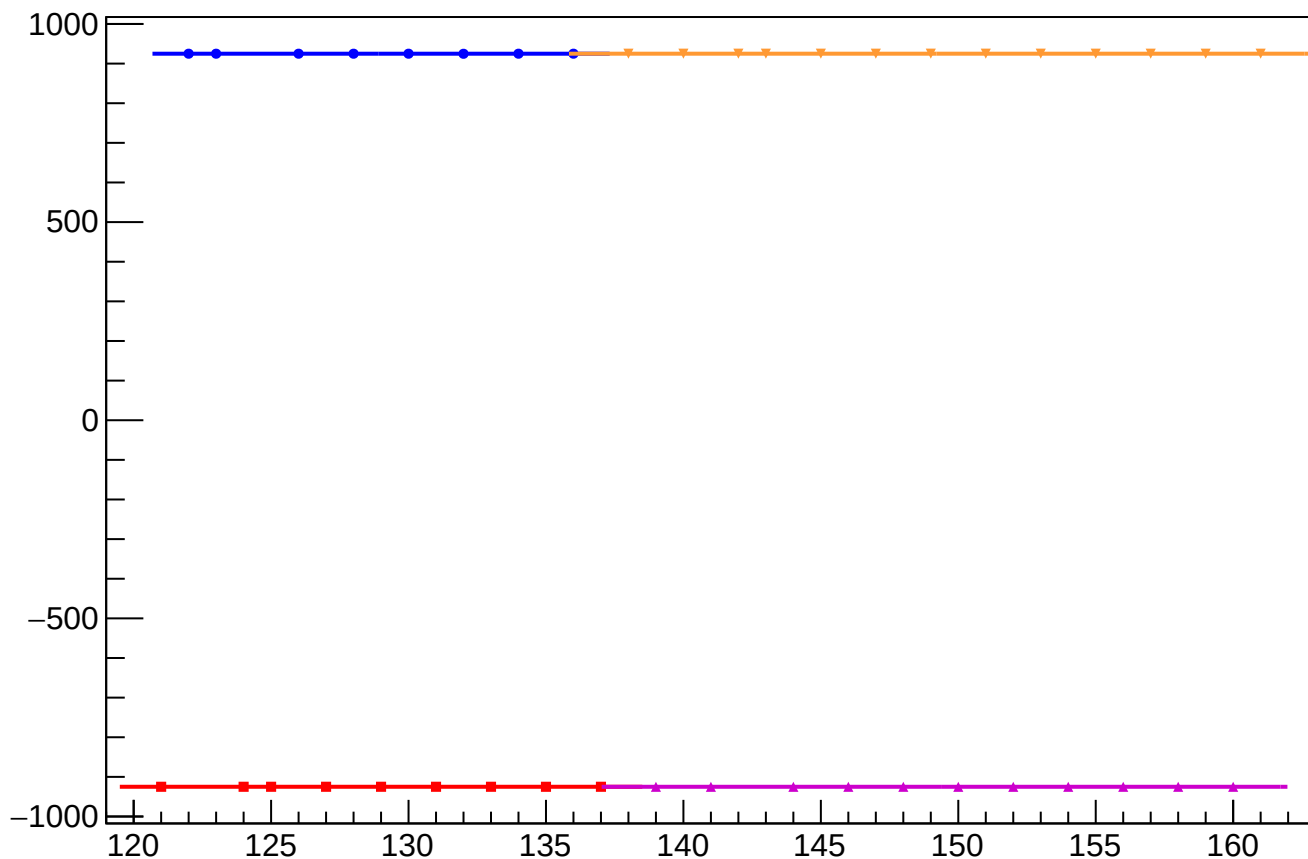
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/10$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/20$

0.000 ± 0.000 $\chi^2/\text{NDF}: 22808276620815$

-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/19$

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.992+/-0.000 χ^2/NDF : 576910281410058942998342795264.0/12

Right Out: -924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

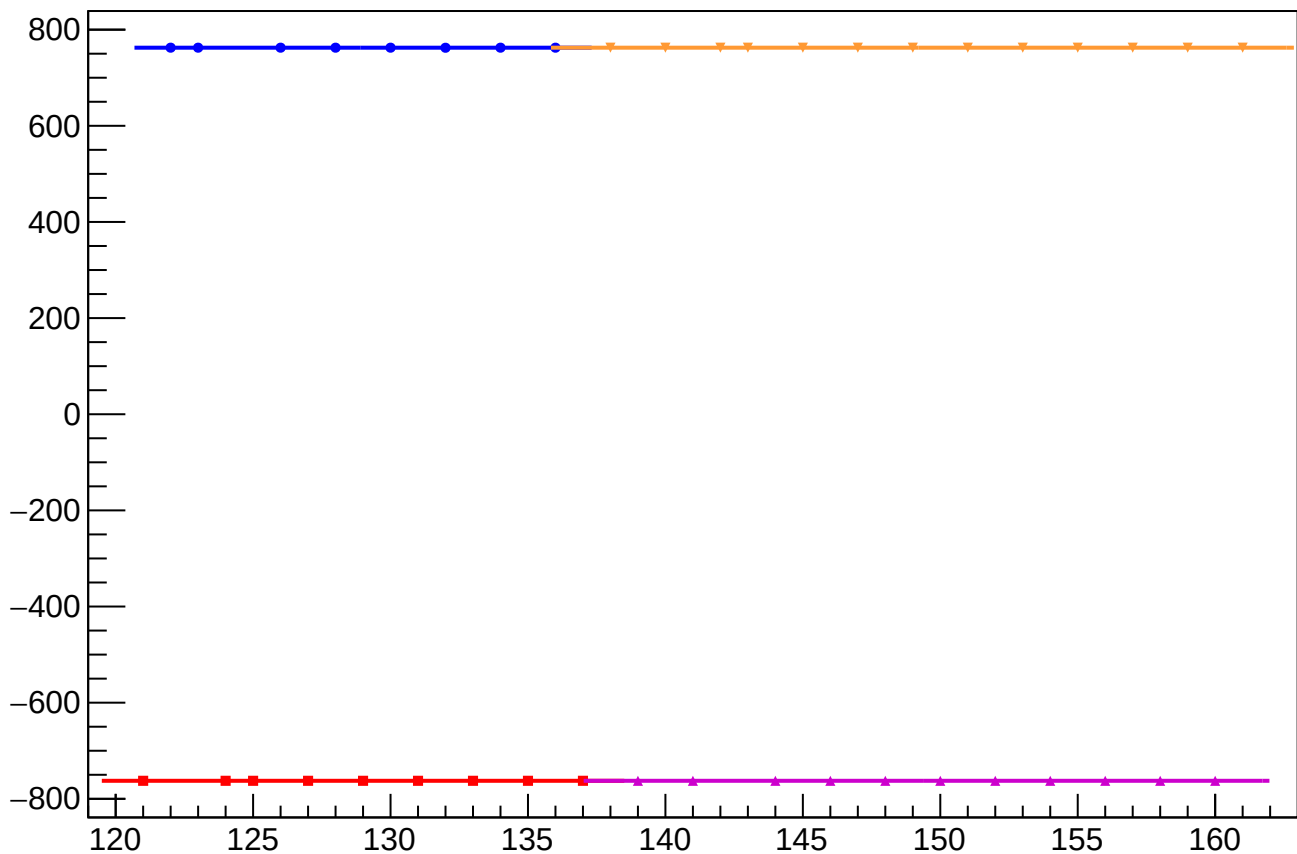
Left In: -924.993+/-0.000 χ^2/NDF : 506919503918362546976086556672.0/10

924.978+/-0.000 χ^2/NDF : 26756121439248828

35.943+/-0.000 χ^2/NDF : 2220320328208

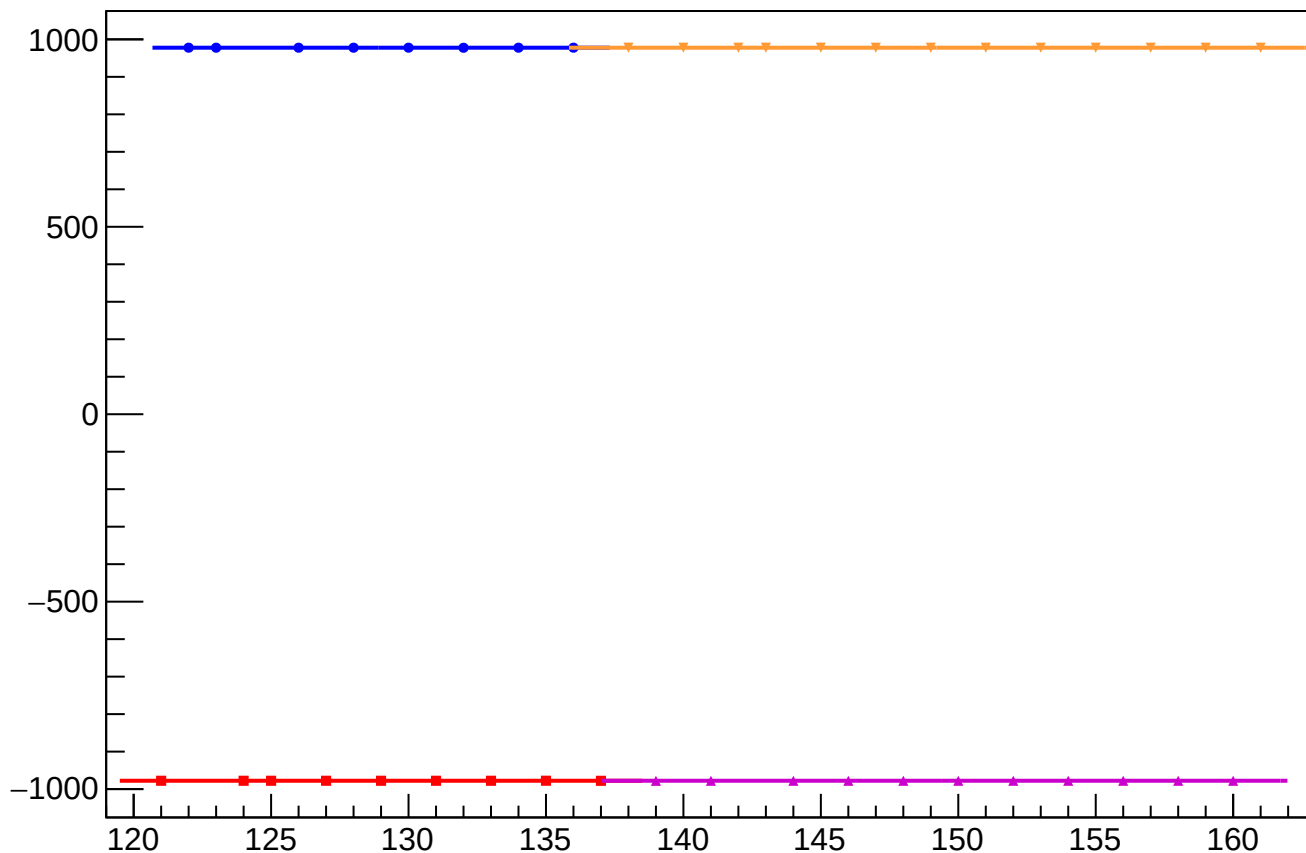
-924.984+/-0.000 χ^2/NDF : 8829625151573588

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.484+/-0.000	χ^2/NDF : 784430761251084401798891438080.0/7	762.497+/-0.000	χ^2/NDF : 10092423882291415
Left Out: 762.502+/-0.000	χ^2/NDF : 137135941873362296910186020864.0/12	29.629+/-0.000	χ^2/NDF : 1508791089152
Right Out: -762.501+/-0.000	χ^2/NDF : 469794702848036819563446272.0/8	-762.502+/-0.000	χ^2/NDF : 6283459929760896
Left In: -762.502+/-0.000	χ^2/NDF : 62257991630181893971424313344.0/10		

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.746+/-0.000 χ^2/NDF : 941749907070460470743718166528.0/12

Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

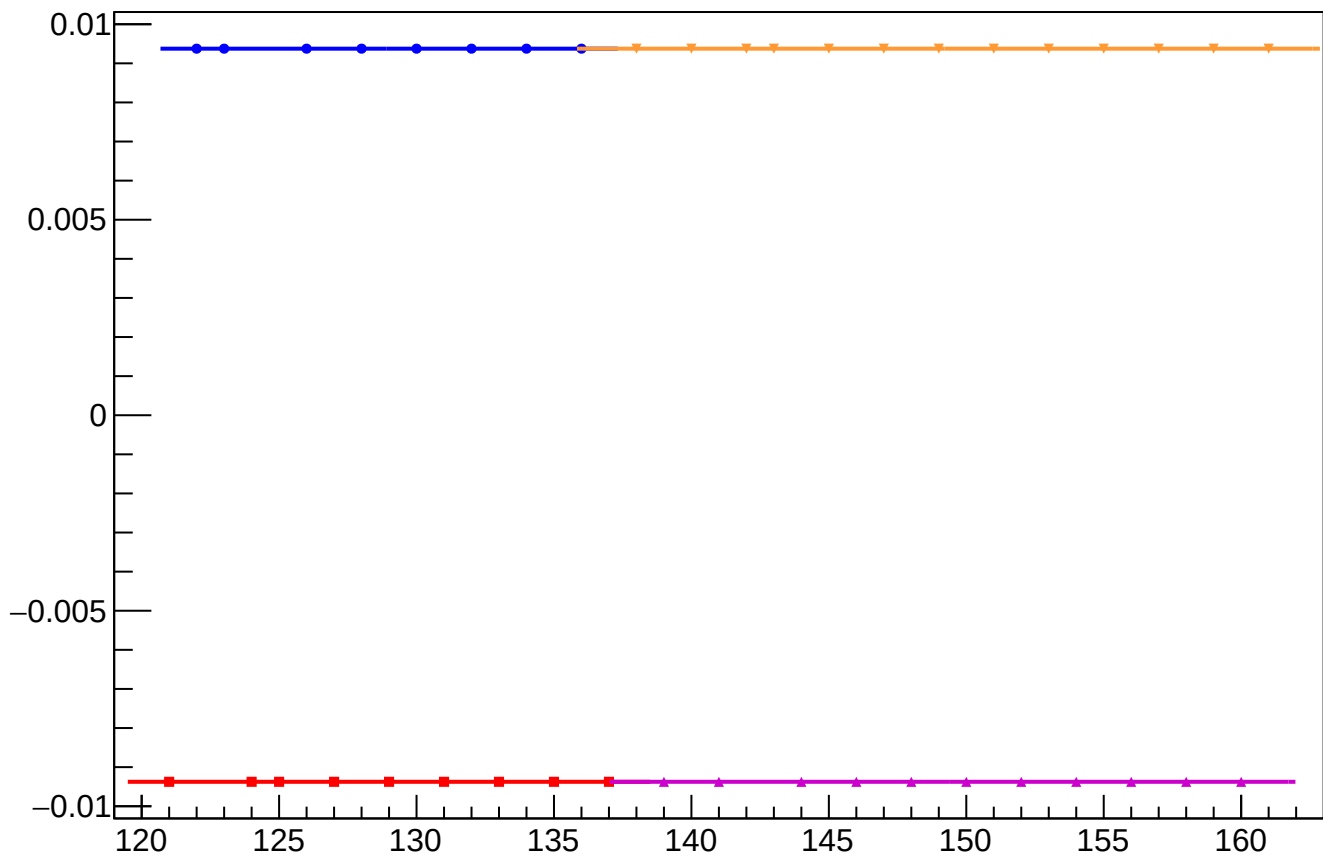
Left In: -977.742+/-0.000 χ^2/NDF : 832245318048187459212006129664.0/10

977.745+/-0.000 χ^2/NDF : 26867529467997273

37.998+/-0.000 χ^2/NDF : 2480841699601

-977.741+/-0.000 χ^2/NDF : 1610285002358524

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/12

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

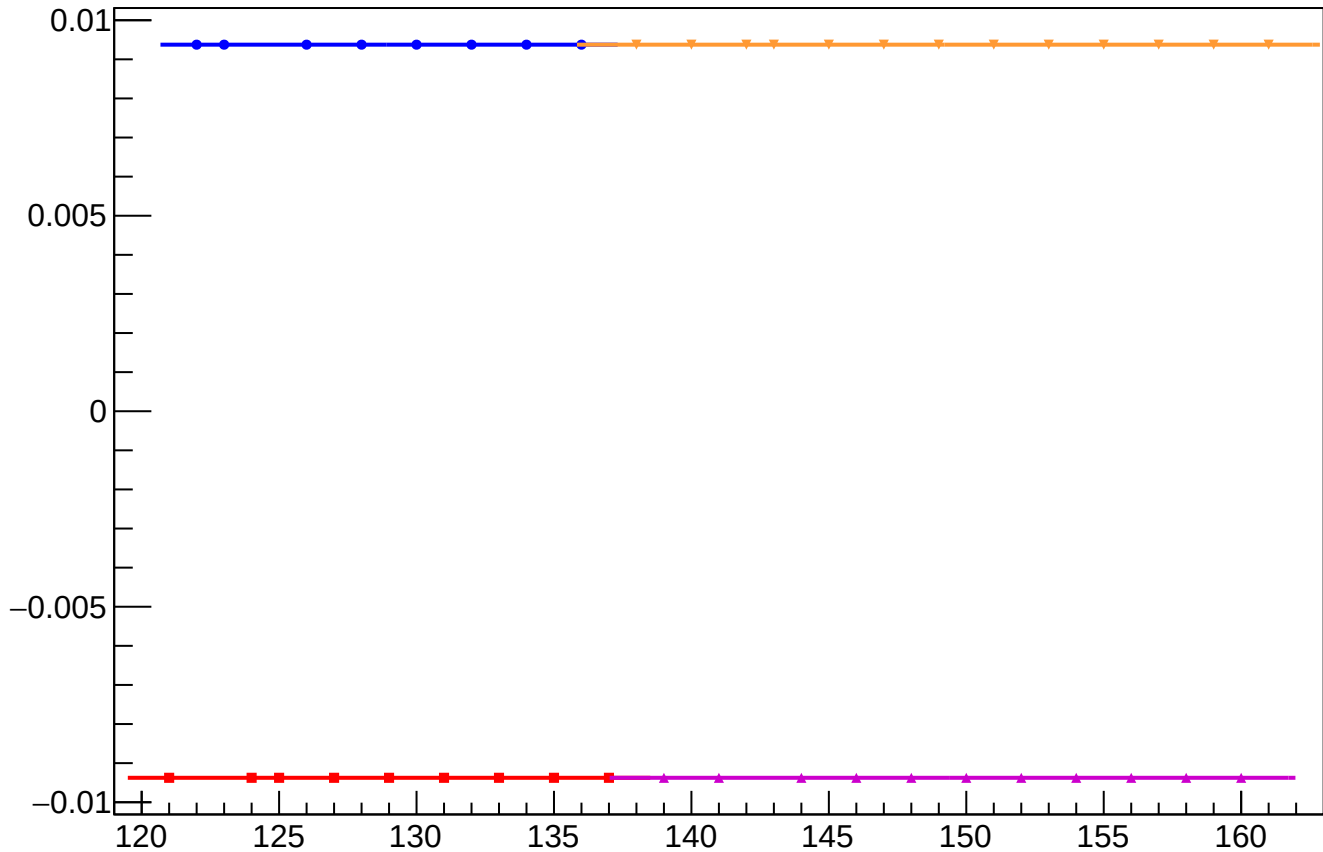
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/10

0.009+/-0.000 χ^2/NDF : 0.1/20

0.000+/-0.000 χ^2/NDF : 22808276620815

-0.009+/-0.000 χ^2/NDF : 0.1/19

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/12

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

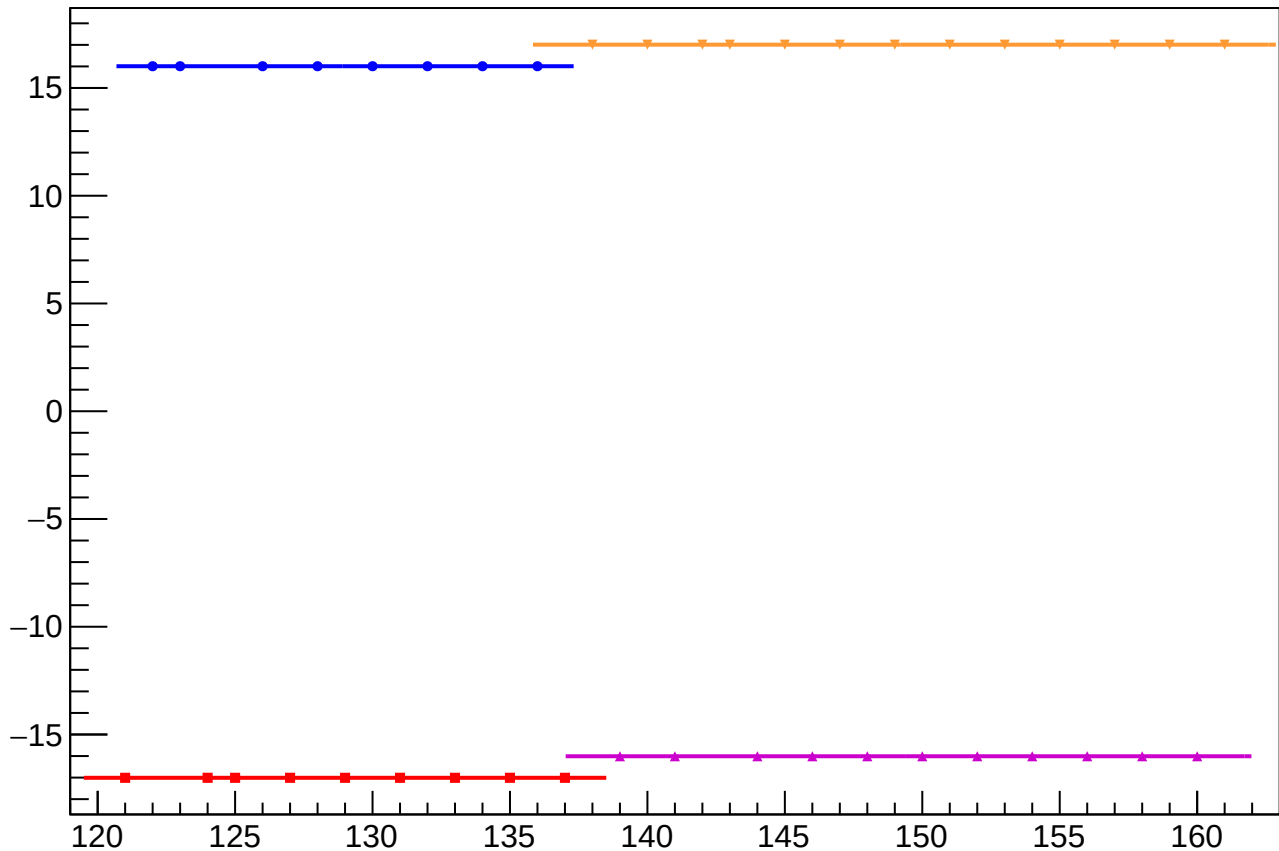
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/10

0.009+/-0.000 χ^2/NDF : 0.1/20

0.000+/-0.000 χ^2/NDF : 22808276620815

-0.009+/-0.000 χ^2/NDF : 0.1/19

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 11943174513703878800703488.0/12

Right Out: -17.009 $\pm$ 0.000 χ^2/NDF : 8333578329558812540796928.0/8

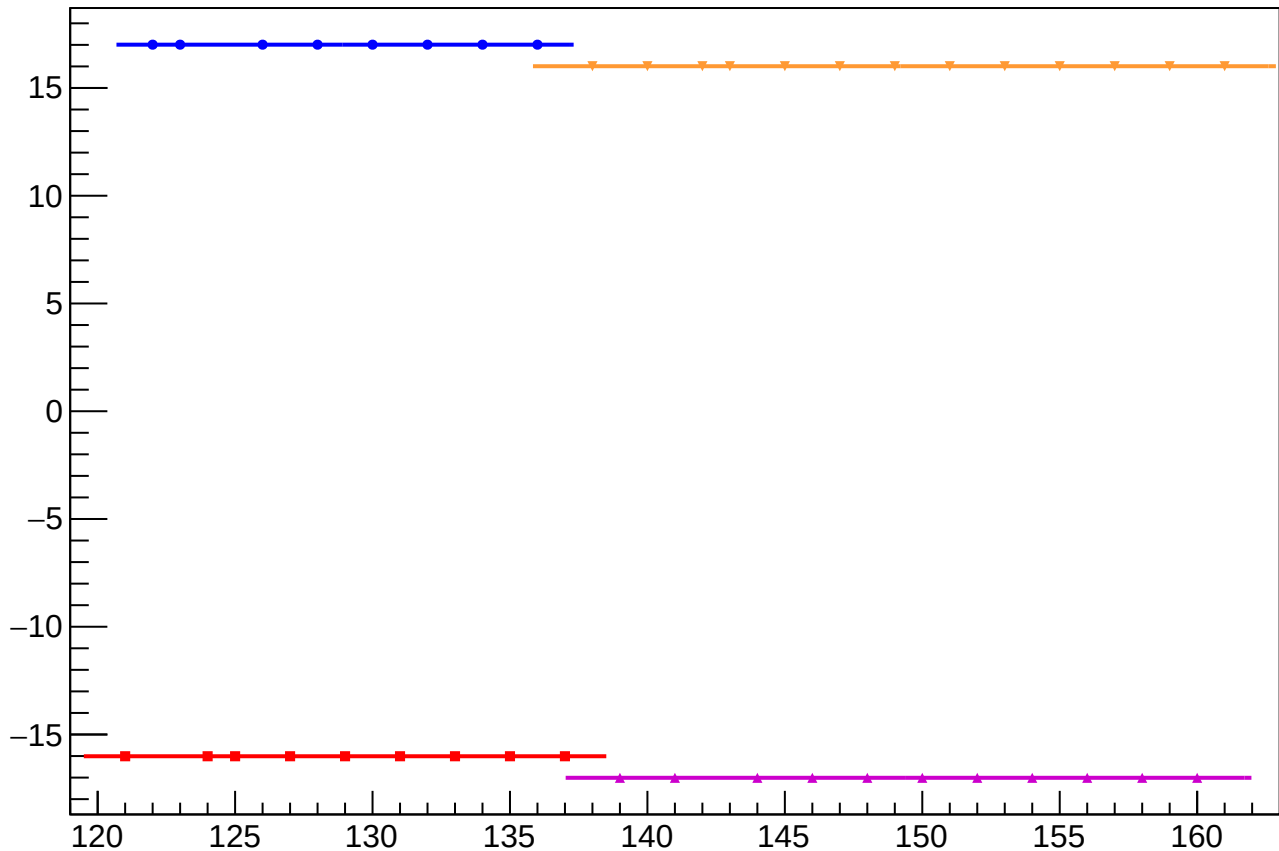
Left In: -16.009 $\pm$ 0.000 χ^2/NDF : 32551.6/10

16.750 $\pm$ 0.000 χ^2/NDF : 234151552264205777

0.566 $\pm$ 0.000 χ^2/NDF : 65291959399072

-16.267 $\pm$ 0.000 χ^2/NDF : 22425312142162716

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009 $\pm$ 0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 40881.9/12

Right Out: -16.009 $\pm$ 0.000 χ^2/NDF : 17859.8/8

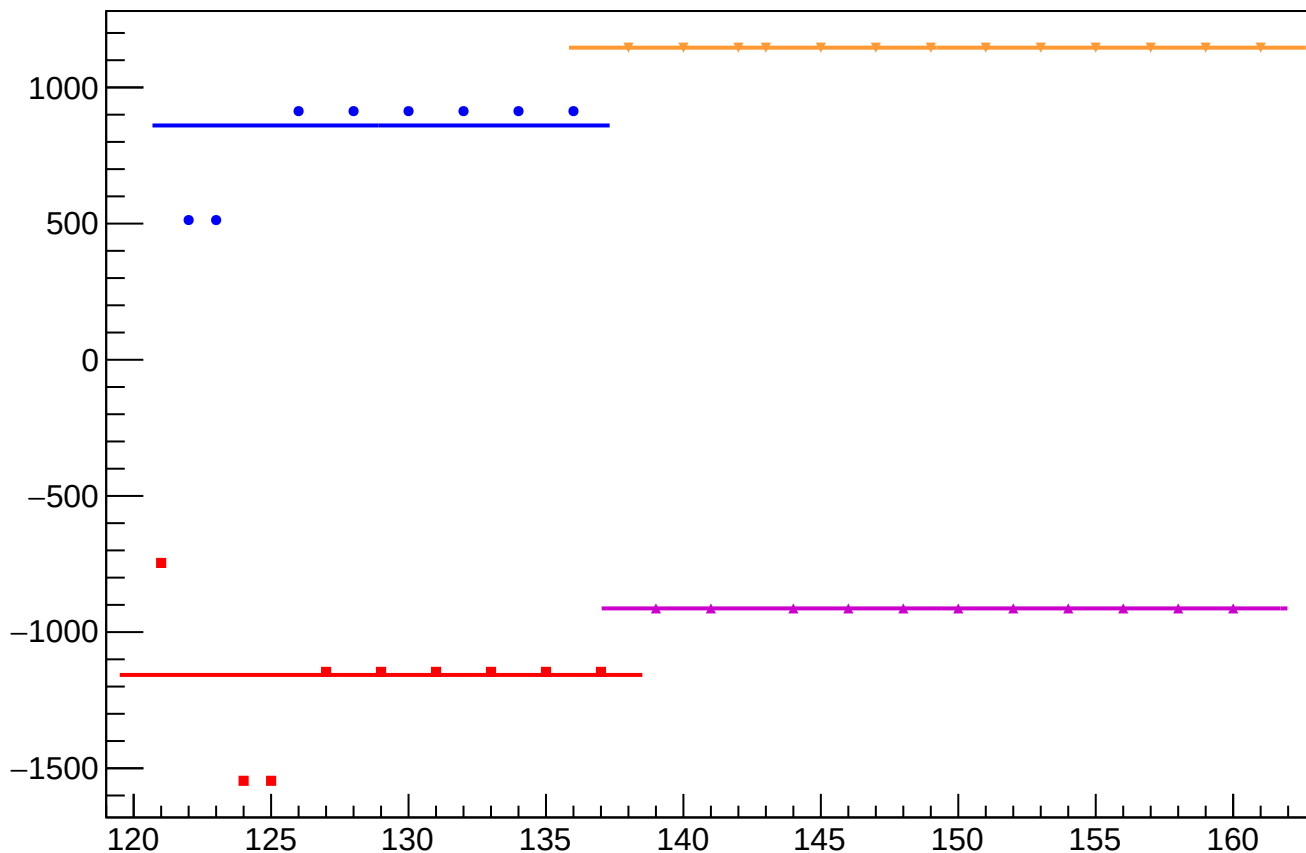
Left In: -17.009 $\pm$ 0.000 χ^2/NDF : 16963.7/10

16.264 $\pm$ 0.000 χ^2/NDF : 254843517138594940

0.428 $\pm$ 0.000 χ^2/NDF : 70212811604797

-16.751 $\pm$ 0.000 χ^2/NDF : 23673565076796483

RTPAPOSUCNT_mean vs Slug, Sign Corrected



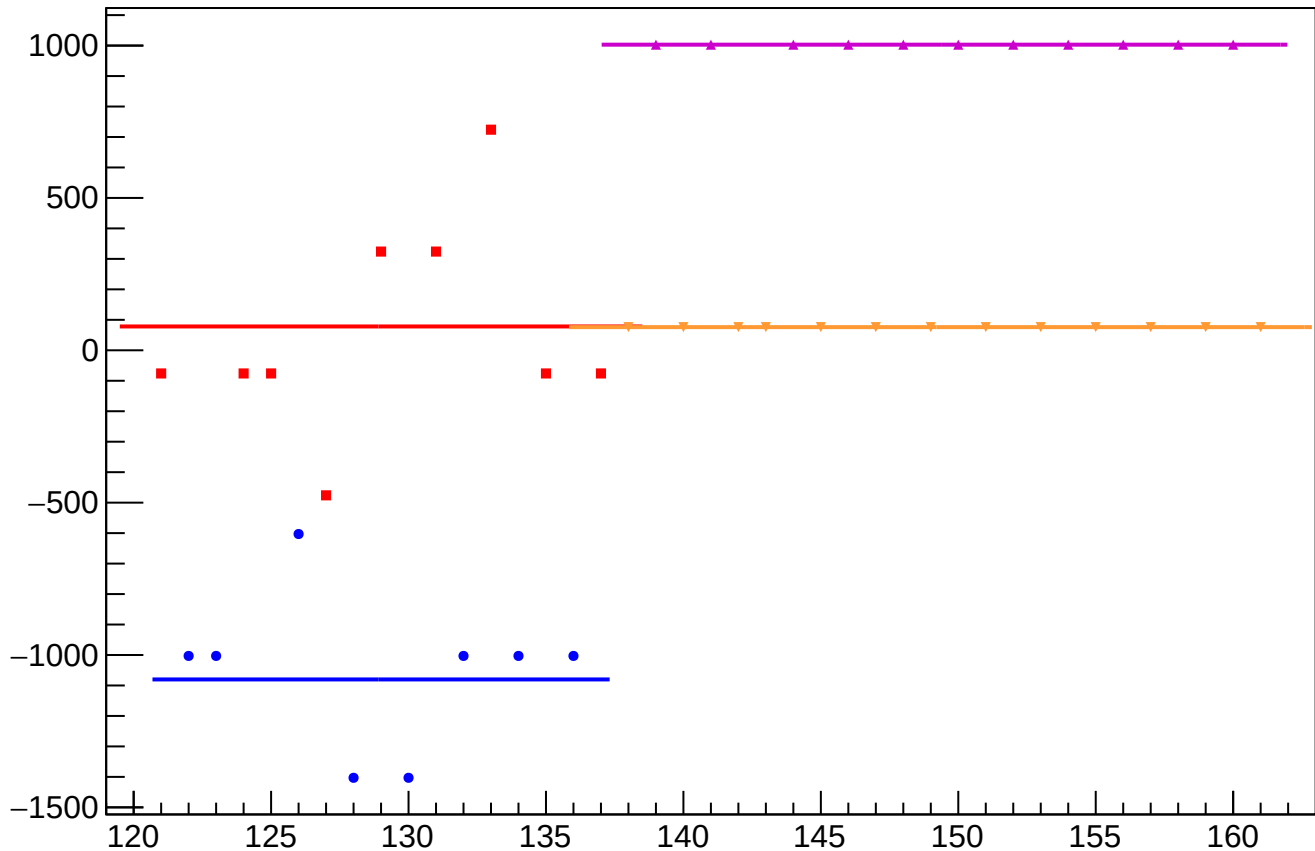
Right In: 860.361 $\pm$ 0.000 χ^2 /NDF: 6252693455178703850651720460594577408.0/7

Left Out: 1146.011 $\pm$ 0.000 χ^2 /NDF: 3902381054582015082910187520.0/12

Right Out: -1157.295 $\pm$ 0.000 χ^2 /NDF: 13880040120623316310083946144856014848.0/8

Left In: -912.994 $\pm$ 0.000 χ^2 /NDF: 11064351150695452552636399616.0/10

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7
 Left Out: 76.011+/-0.000 χ^2/NDF : 4369098972849093630551392256.0/12
 Right Out: 78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: 1002.990+/-0.000 χ^2/NDF : 1257940675093186310492389376.0/10