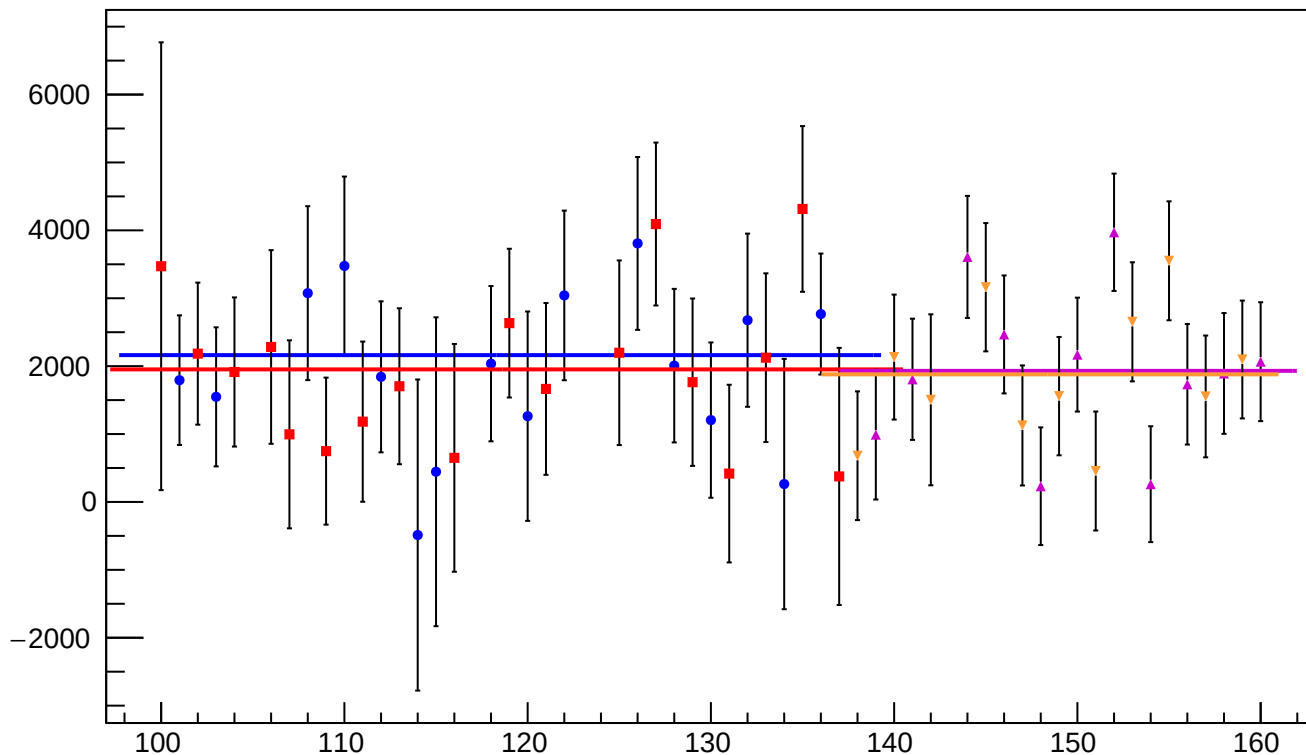


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1879.201+/-276.086

χ^2/NDF : 11.7/10

Right Out: 1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: 1930.491+/-265.224

χ^2/NDF : 18.3/10

2005.646+/-205.377

χ^2/NDF : 21.1/26

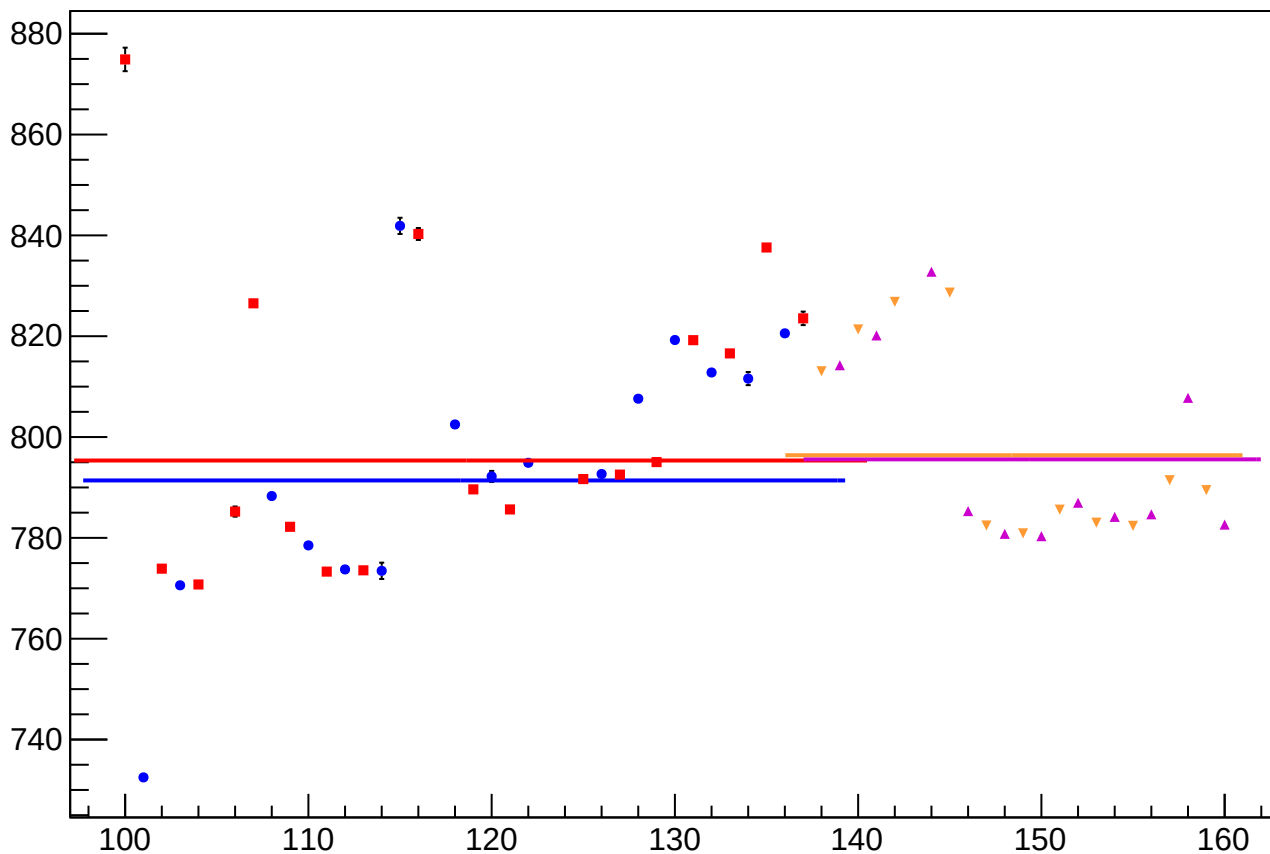
1971.752+/-142.869

χ^2/NDF : 52.1/55

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: 796.395 $\pm$ 0.195 χ^2 /NDF: 8184.9/10

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

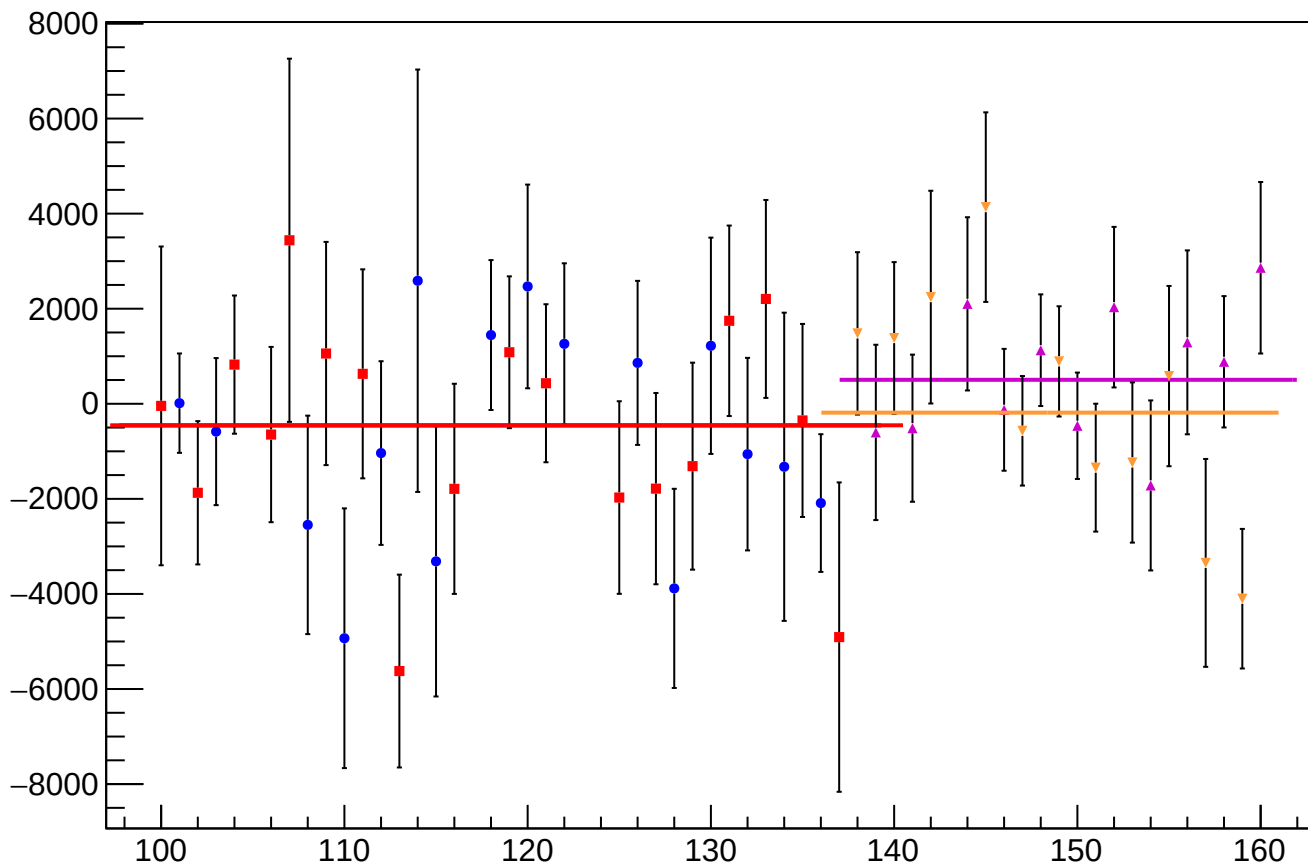
Left In: 795.575 $\pm$ 0.188 χ^2 /NDF: 8900.7/10

794.160 $\pm$ 0.145 χ^2 /NDF: 23486.7/26

794.838 $\pm$ 0.101 χ^2 /NDF: 43990.1/55

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: -186.128+/-469.363 χ^2/NDF : 19.3/10

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

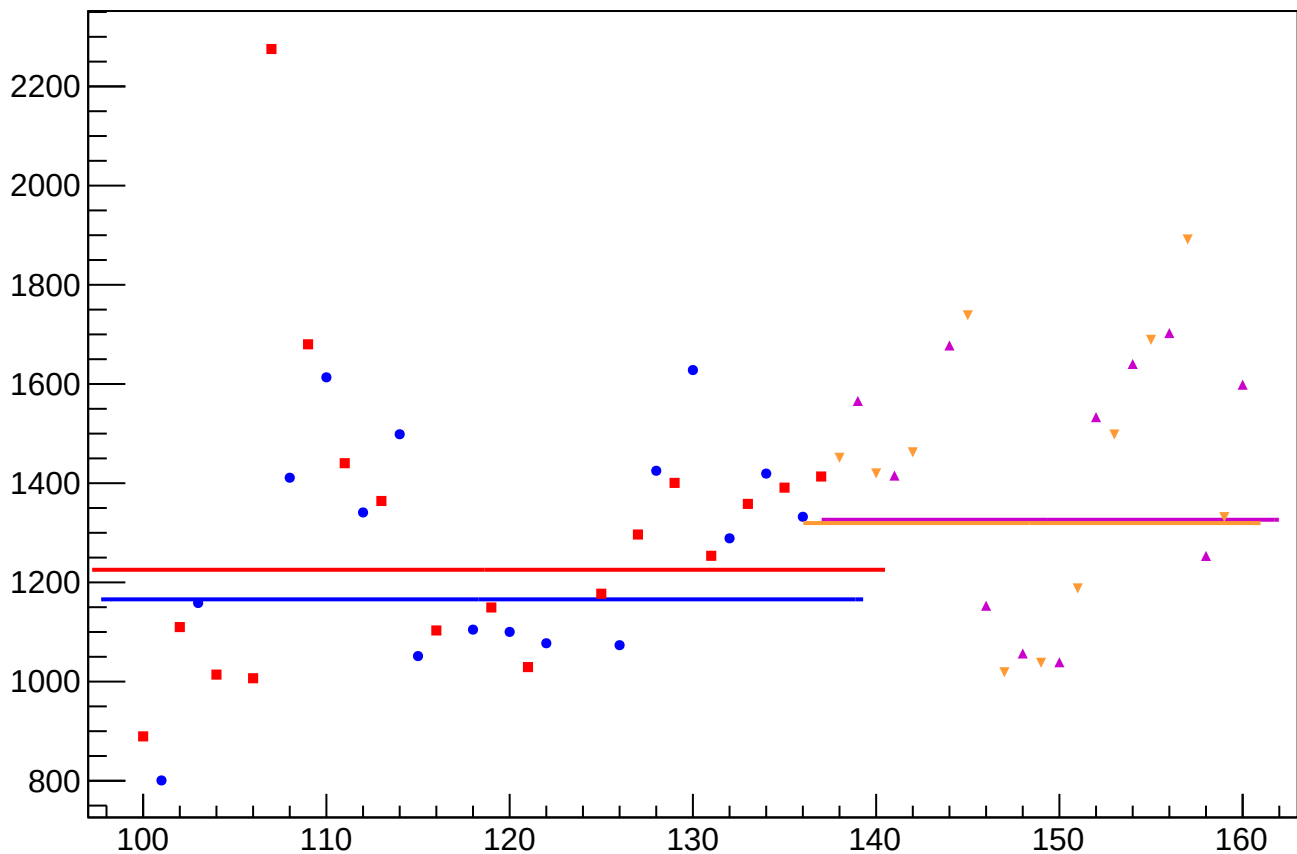
Left In: 504.483+/-451.423 χ^2/NDF : 7.1/10

-322.383+/-330.061 χ^2/NDF : 34.3/26

-135.173+/-232.114 χ^2/NDF : 61.5/55

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: 1319.618 $\pm$ 0.332 χ^2 /NDF: 625084.8/10

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

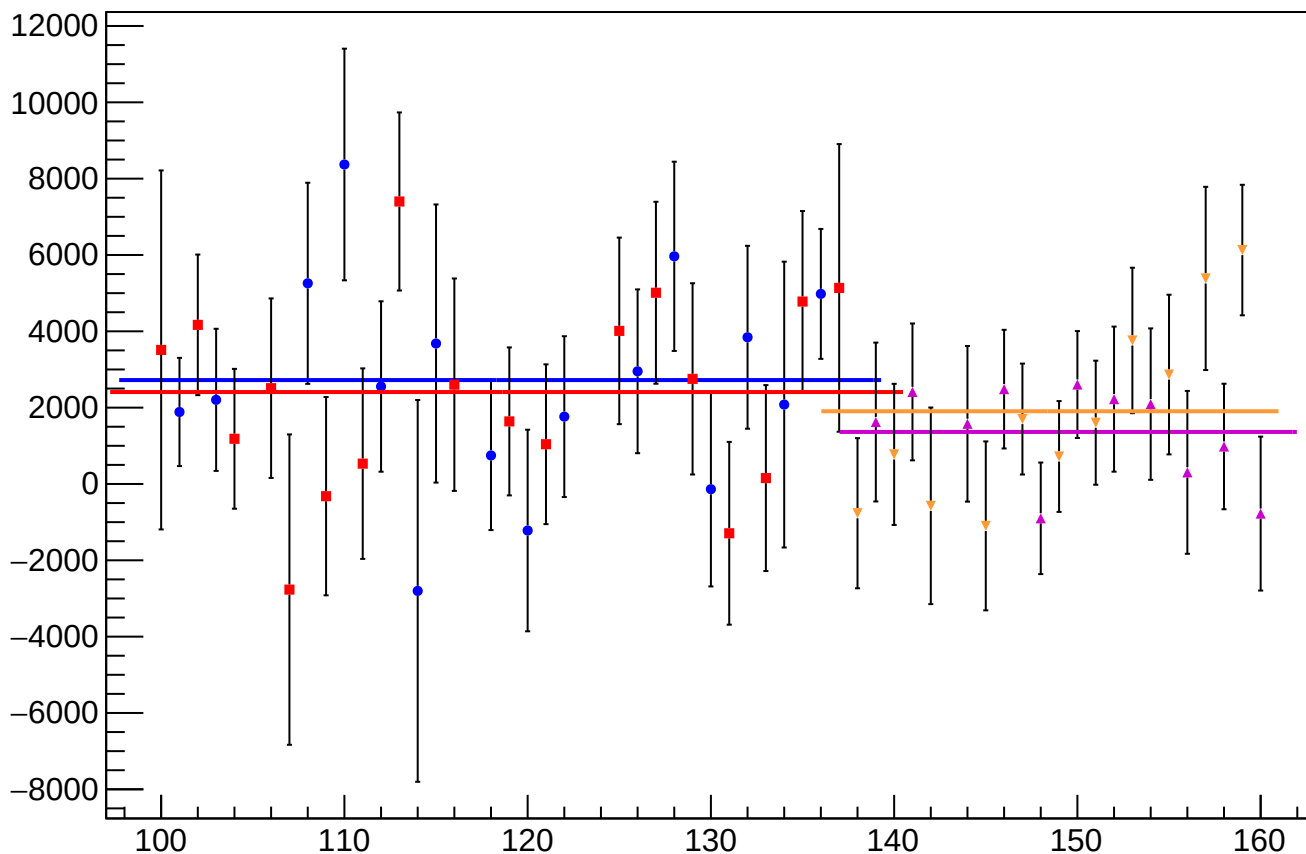
Left In: 1326.308 $\pm$ 0.319 χ^2 /NDF: 607154.3/10

1241.870 $\pm$ 0.233 χ^2 /NDF: 1260448.2/26

1260.235 $\pm$ 0.164 χ^2 /NDF: 2367890.4/55

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

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2722.309 $\pm$ 567.154 χ^2/NDF : 14.6/15

Left Out: 1905.132 $\pm$ 554.516 χ^2/NDF : 15.1/10

Right Out: 2408.446 $\pm$ 568.977 χ^2/NDF : 16.3/17

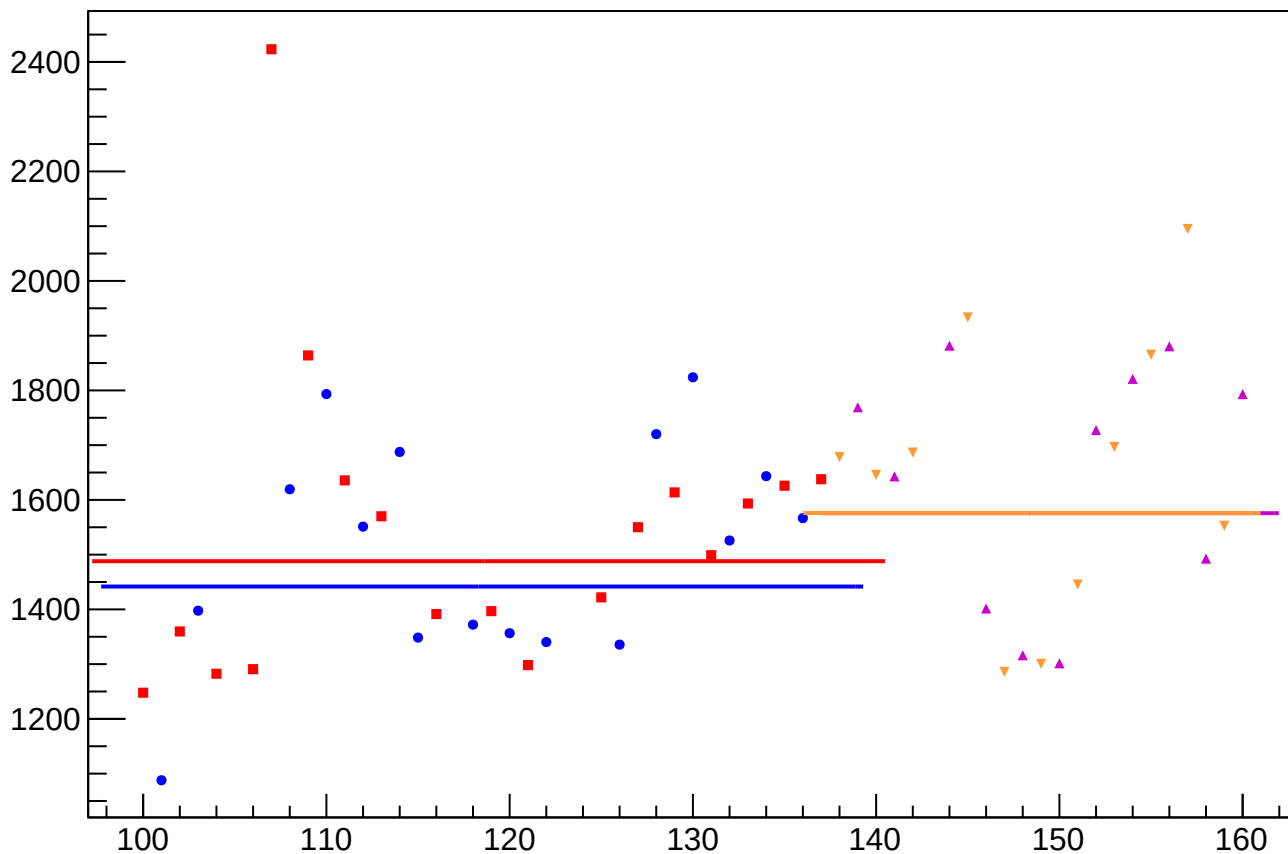
Left In: 1363.163 $\pm$ 531.442 χ^2/NDF : 5.8/10

2304.515 $\pm$ 396.495 χ^2/NDF : 30.7/26

2072.655 $\pm$ 277.450 χ^2/NDF : 55.3/55

1850.191 $\pm$ 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: 1576.112+/-0.392 χ^2 /NDF: 368688.5/10

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

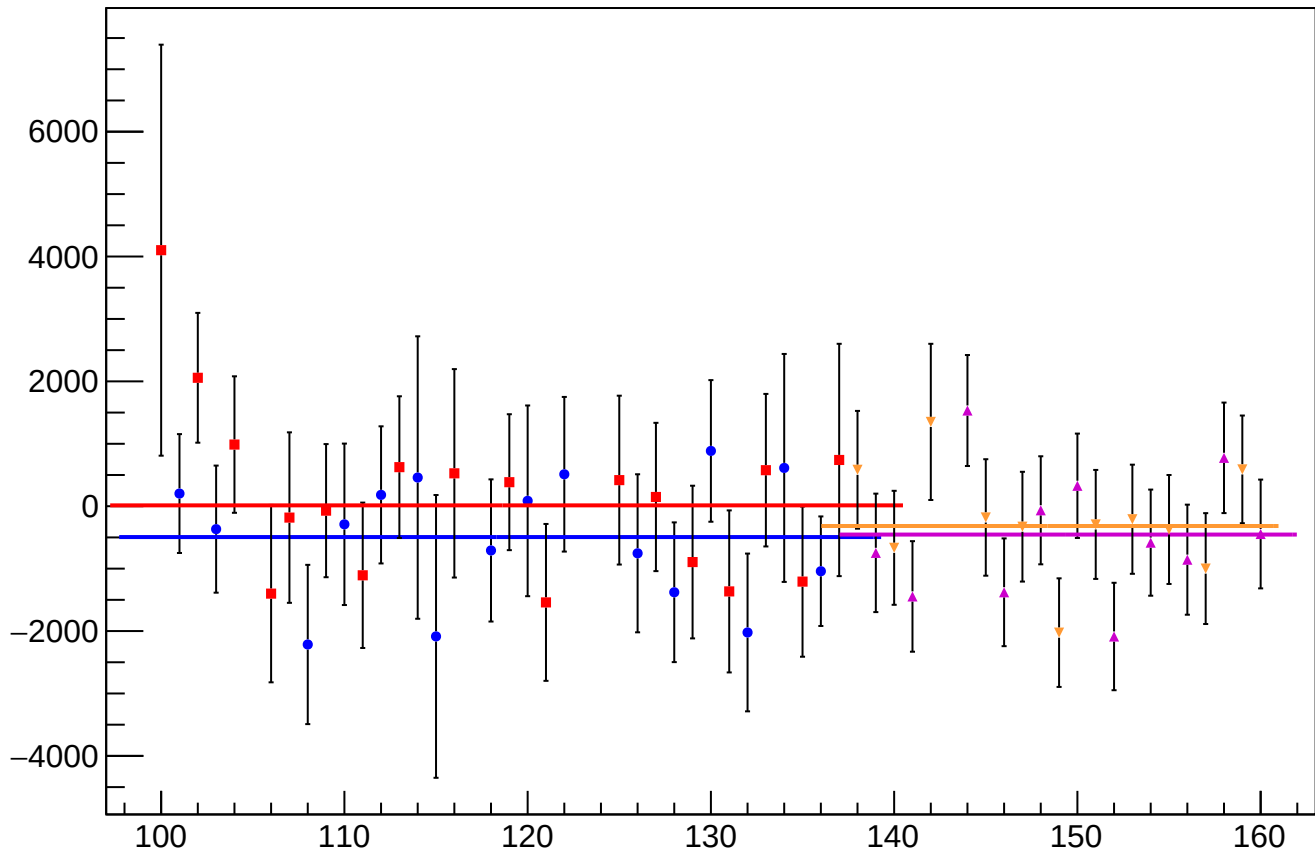
Left In: 1575.737+/-0.376 χ^2 /NDF: 342470.4/10

1510.430+/-0.280 χ^2 /NDF: 702005.9/26

1522.903+/-0.196 χ^2 /NDF: 1329878.0/55

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: -317.057 ± 274.501 χ^2/NDF : 8.4/10

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

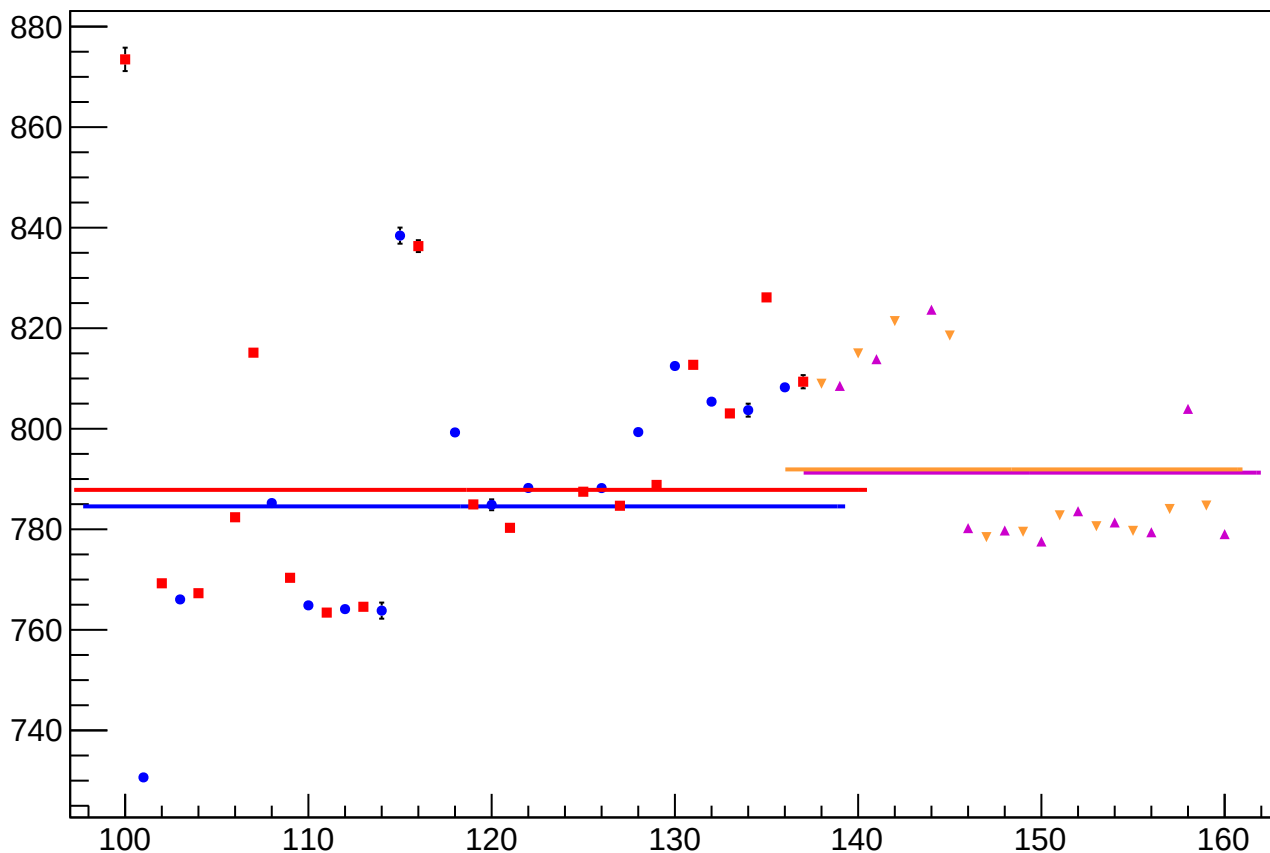
Left In: -454.316 ± 263.772 χ^2/NDF : 14.3/10

-396.444 ± 203.928 χ^2/NDF : 17.3/26

-320.130 ± 141.848 χ^2/NDF : 46.6/55

-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 $\chi^2/\text{NDF}: 13677.7/15$

Left Out: 791.912 ± 0.194 $\chi^2/\text{NDF}: 6790.7/10$

Right Out: 787.844 ± 0.211 $\chi^2/\text{NDF}: 10909.0/17$

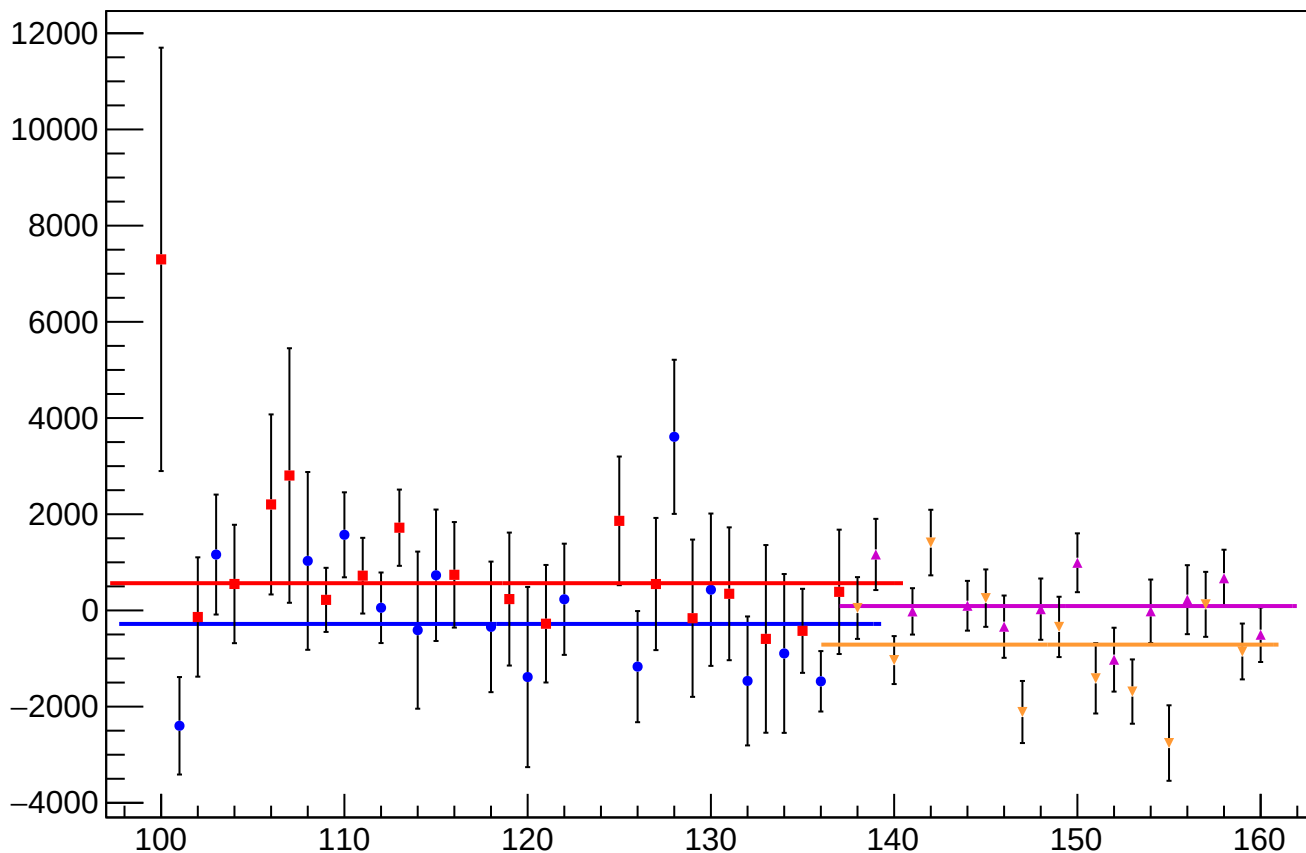
Left In: 791.269 ± 0.187 $\chi^2/\text{NDF}: 7434.4/10$

788.617 ± 0.144 $\chi^2/\text{NDF}: 21111.8/26$

789.208 ± 0.100 $\chi^2/\text{NDF}: 39636.0/55$

789.763 ± 0.140 $\chi^2/\text{NDF}: 18491.7/28$

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -710.790 $\pm$ 191.604 χ^2/NDF :30.6/10

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

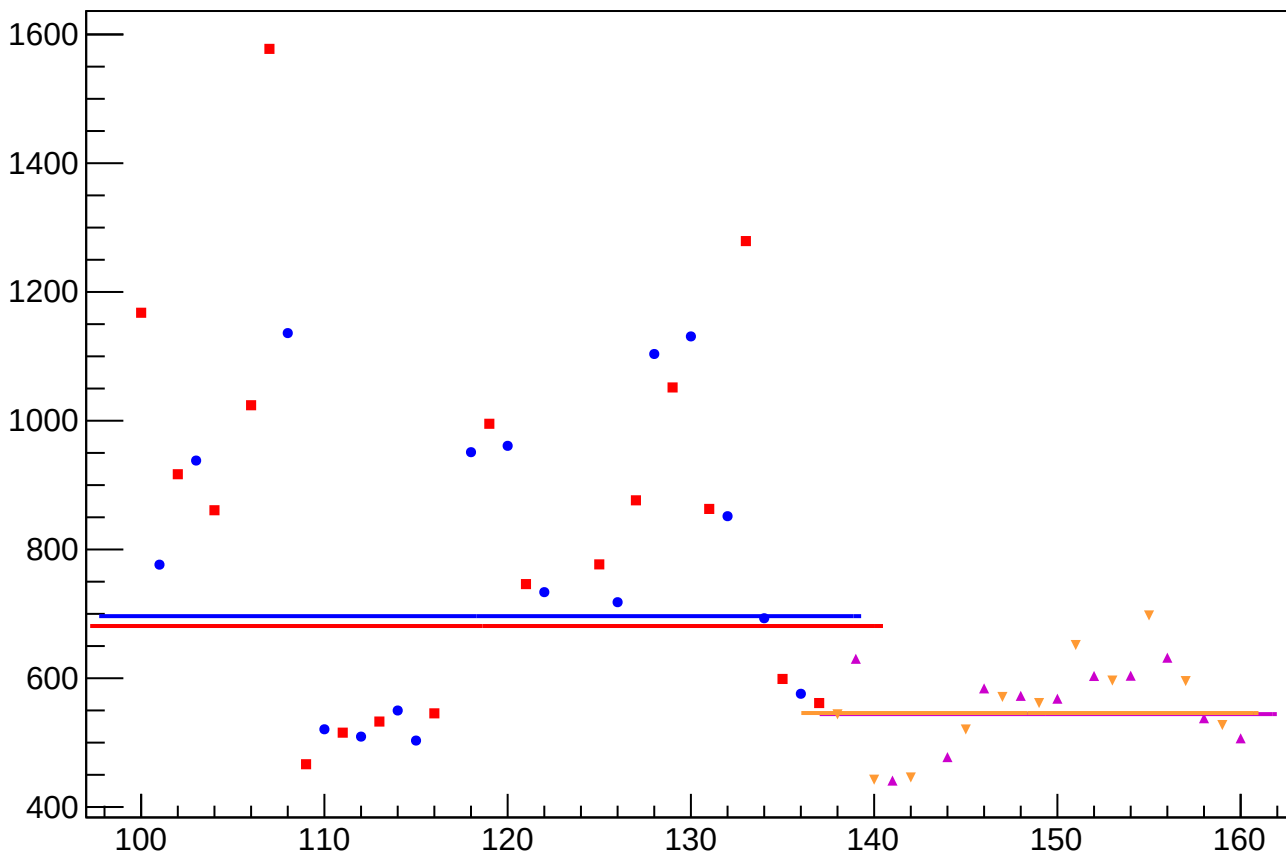
Left In: 91.037 $\pm$ 183.050 χ^2/NDF :9.7/10

-575.258 $\pm$ 158.572 χ^2/NDF : 55.3/26

-151.209 $\pm$ 109.736 χ^2/NDF : 90.8/55

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

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 545.976 +/- 0.135 χ^2/NDF : 277810.4/10

Right Out: 681.127 +/- 0.193 χ^2/NDF : 1352555.6/17

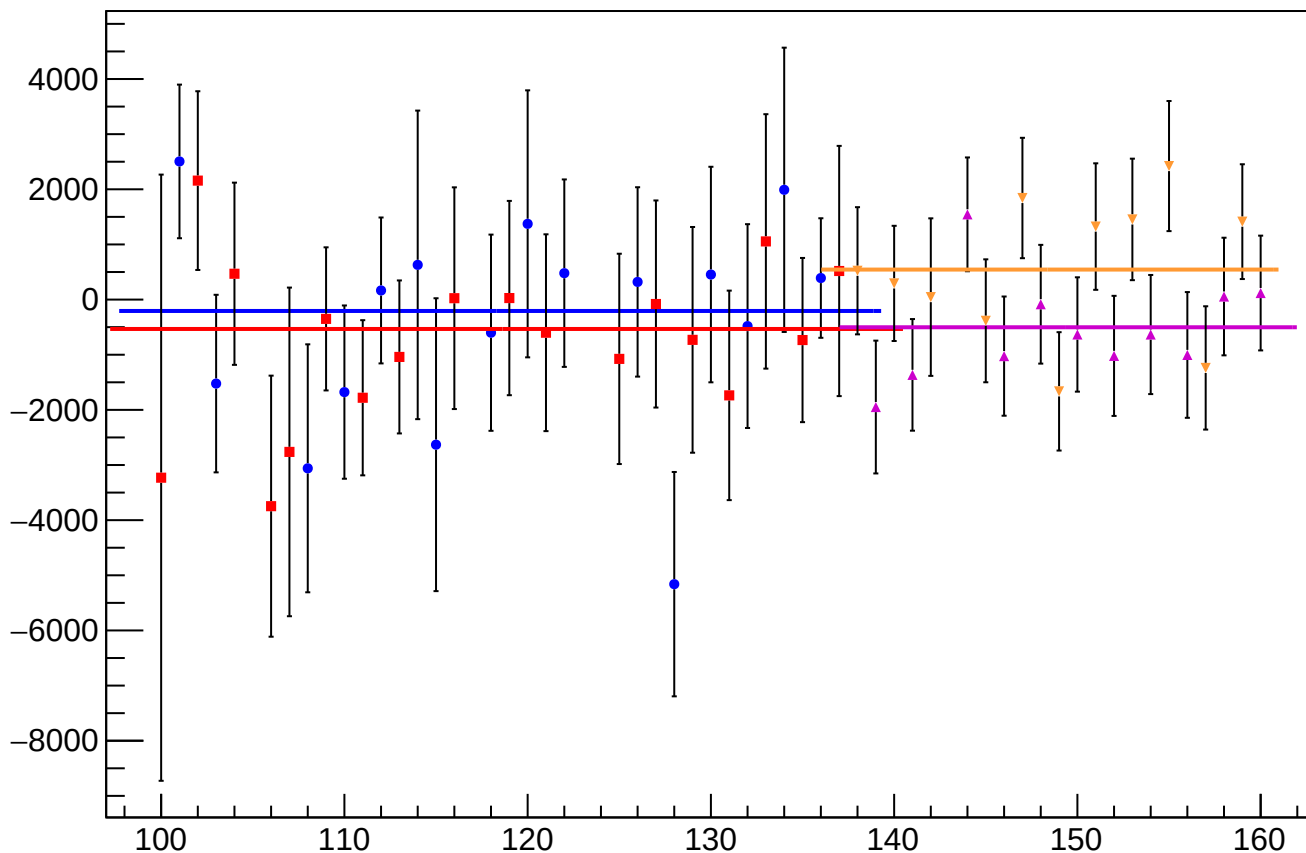
Left In: 544.294 +/- 0.129 χ^2/NDF : 237764.9/10

593.391 +/- 0.112 χ^2/NDF : 1626007.2/26

589.934 +/- 0.078 χ^2/NDF : 3564965.4/55

586.757 +/- 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: 544.230 ± 339.104 χ^2/NDF : 13.4/10

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

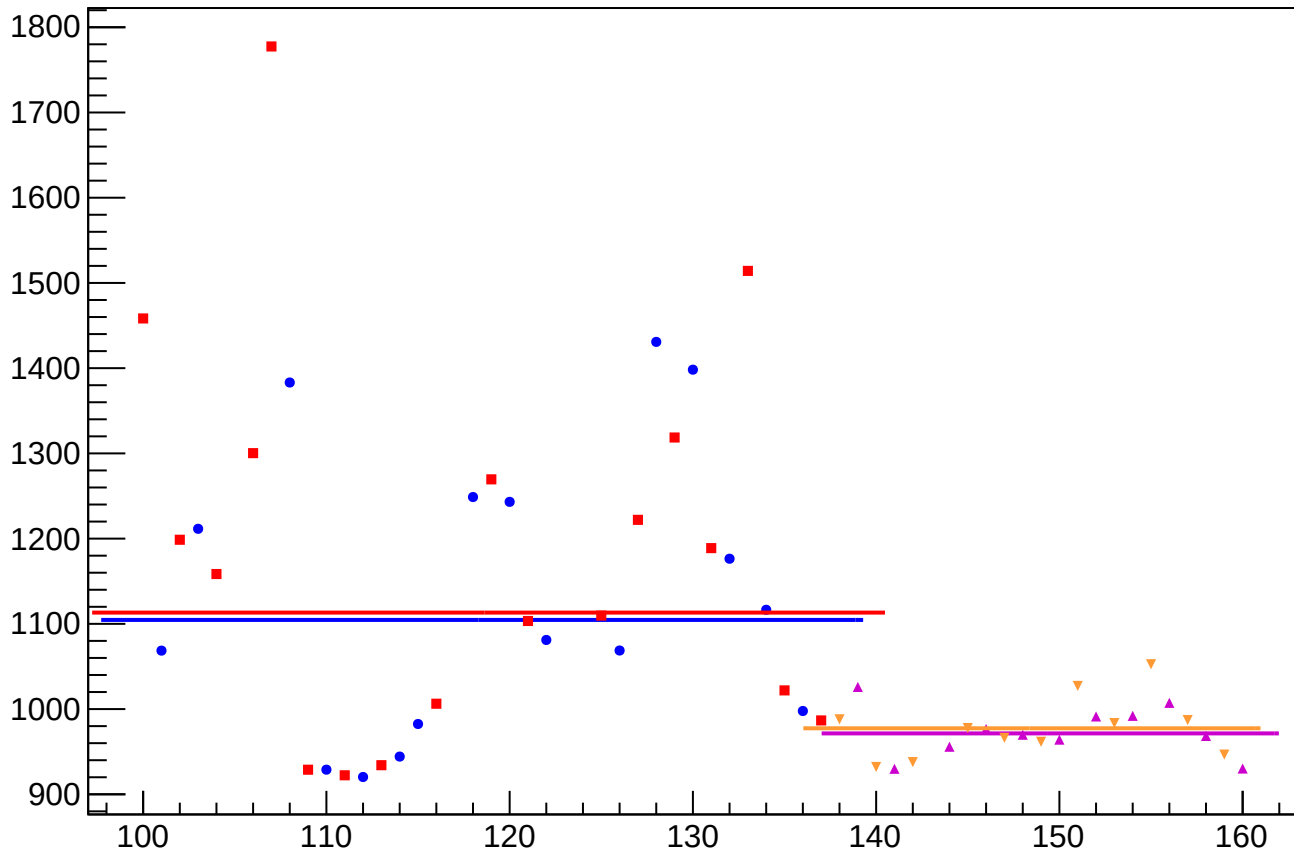
Left In: -501.967 ± 323.992 χ^2/NDF : 7.6/10

259.506 ± 267.157 χ^2/NDF : 31.1/26

-140.140 ± 185.636 χ^2/NDF : 51.1/55

-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: 977.471 ± 0.240 χ^2/NDF : 19974.4/10

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

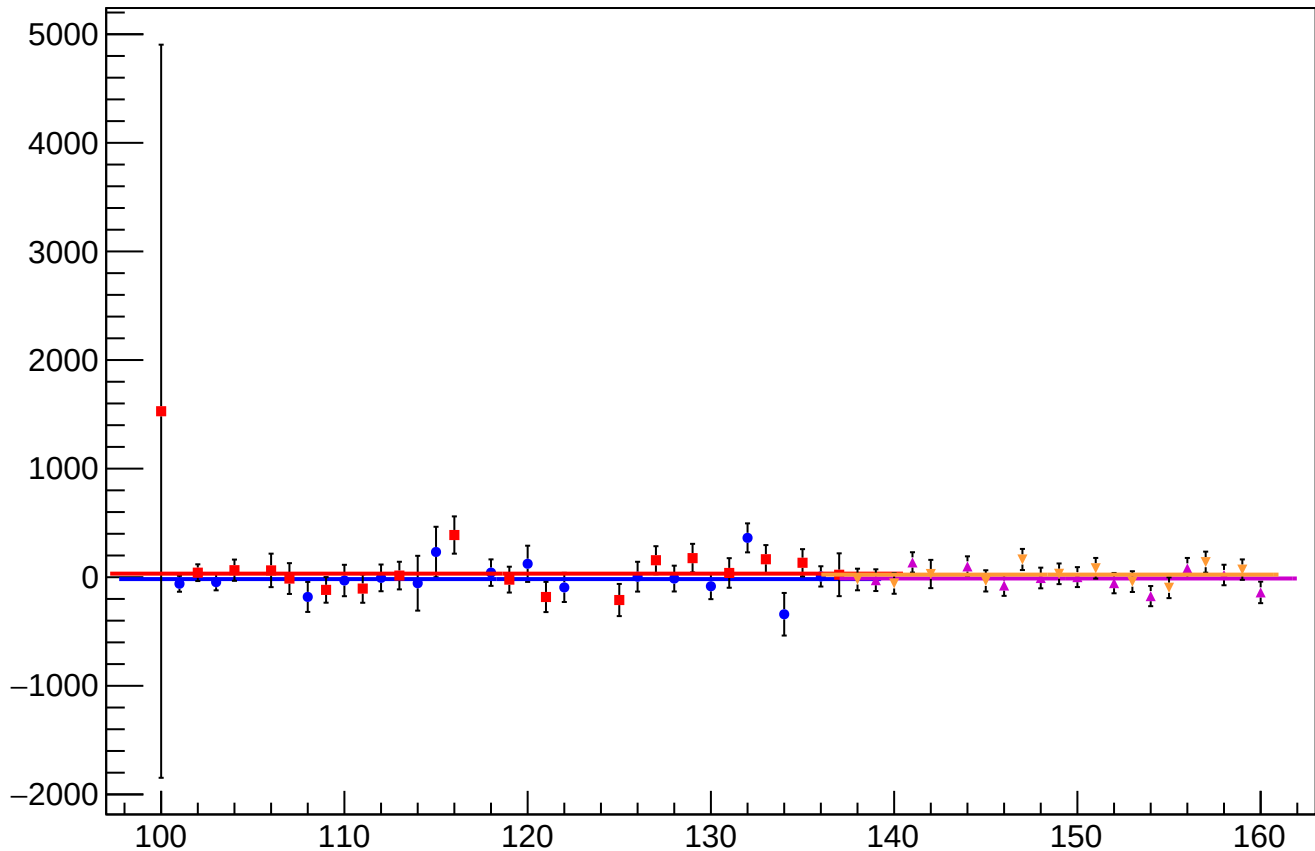
Left In: 971.465 ± 0.229 χ^2/NDF : 14601.6/10

1025.692 ± 0.189 χ^2/NDF : 382081.0/26

1024.423 ± 0.131 χ^2/NDF : 899573.9/55

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 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 23.917 ± 29.620 $\chi^2/\text{NDF}: 7.4/10$

Right Out: 32.892 ± 30.446 $\chi^2/\text{NDF}: 16.5/17$

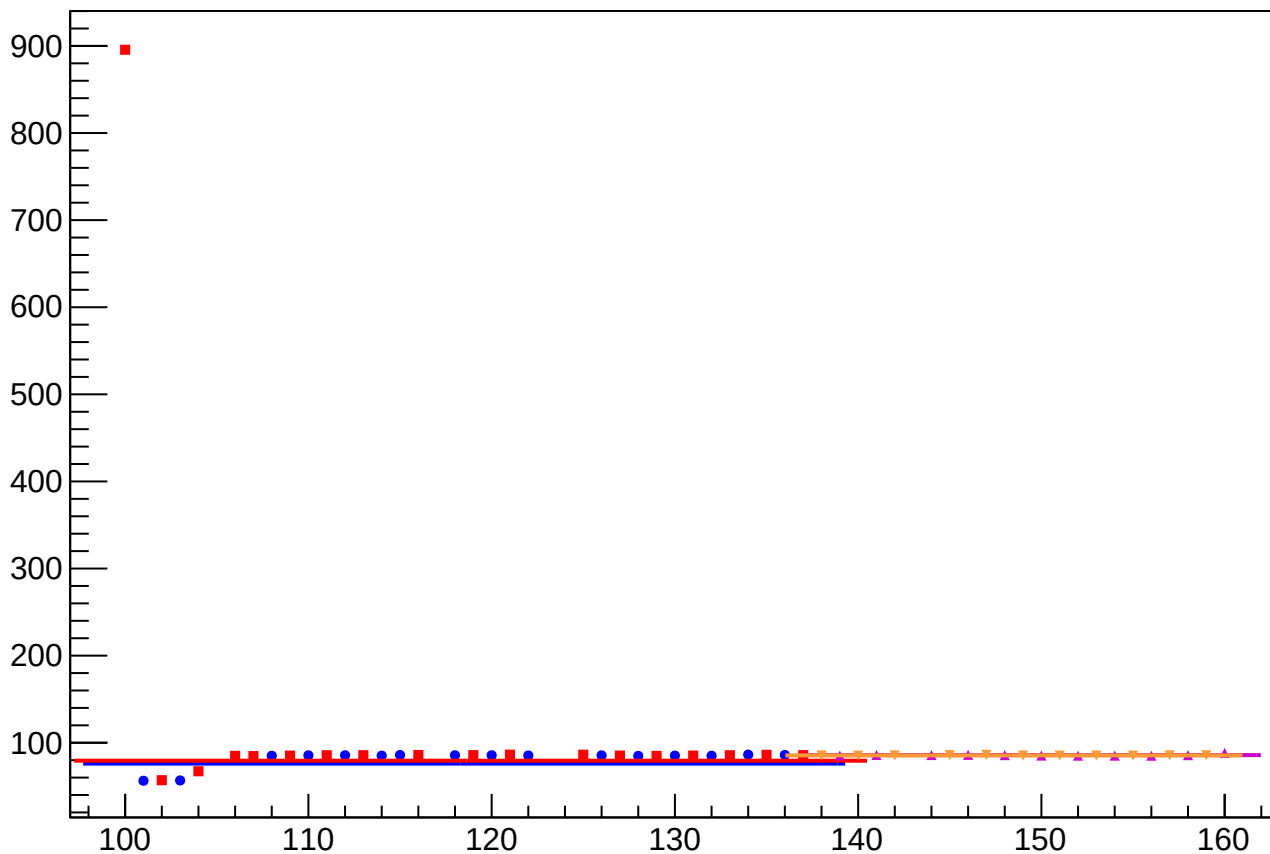
Left In: -11.646 ± 28.617 $\chi^2/\text{NDF}: 10.4/10$

3.594 ± 21.073 $\chi^2/\text{NDF}: 23.9/26$

6.449 ± 14.822 $\chi^2/\text{NDF}: 52.1/55$

9.244 ± 20.852 $\chi^2/\text{NDF}: 28.1/28$

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.471+/-0.021 χ^2/NDF :171.6/10

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

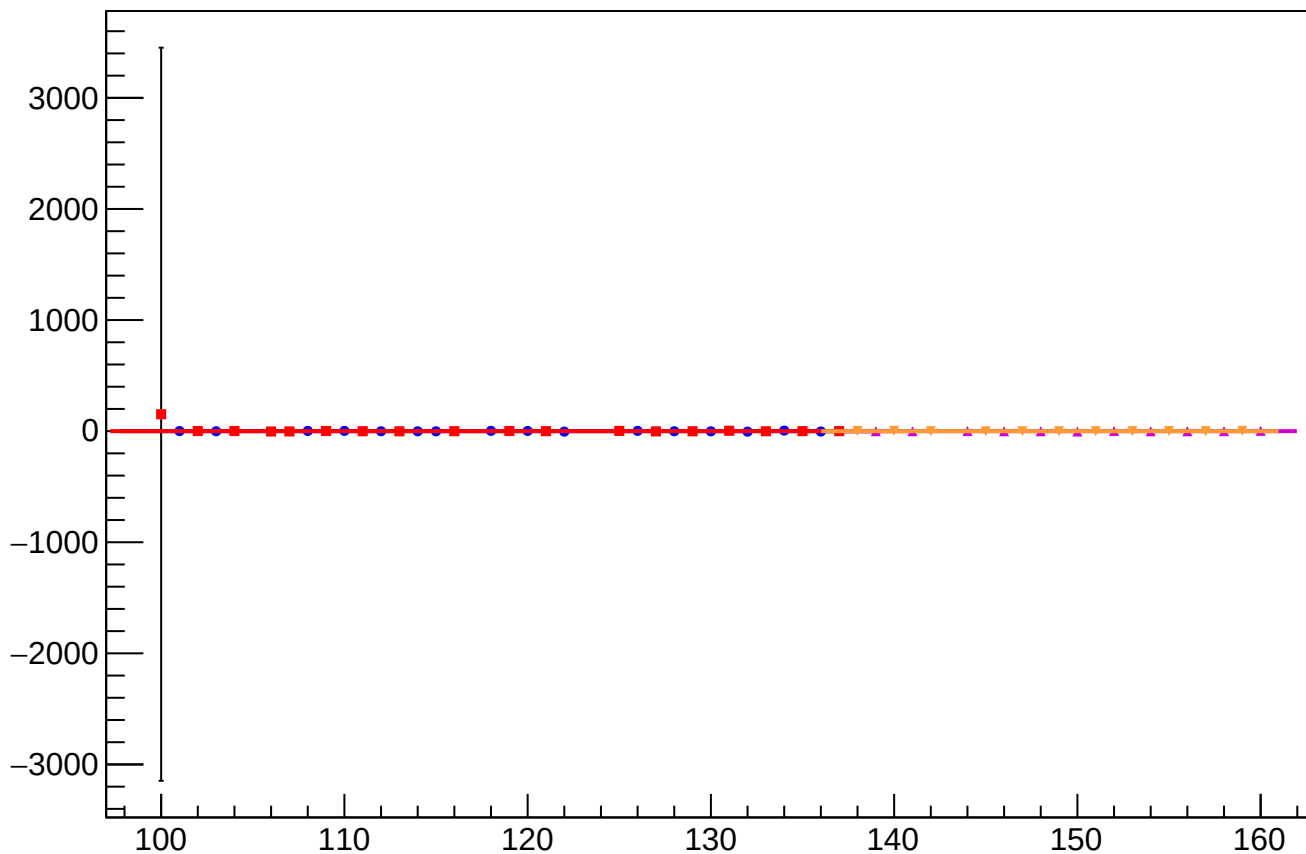
Left In: 85.823+/-0.020 χ^2/NDF :1684.3/10

80.833+/-0.015 χ^2/NDF : 508628.7/26

81.830+/-0.010 χ^2/NDF : 945105.6/55

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: -0.100 ± 0.494 χ^2/NDF : 6.9/10

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

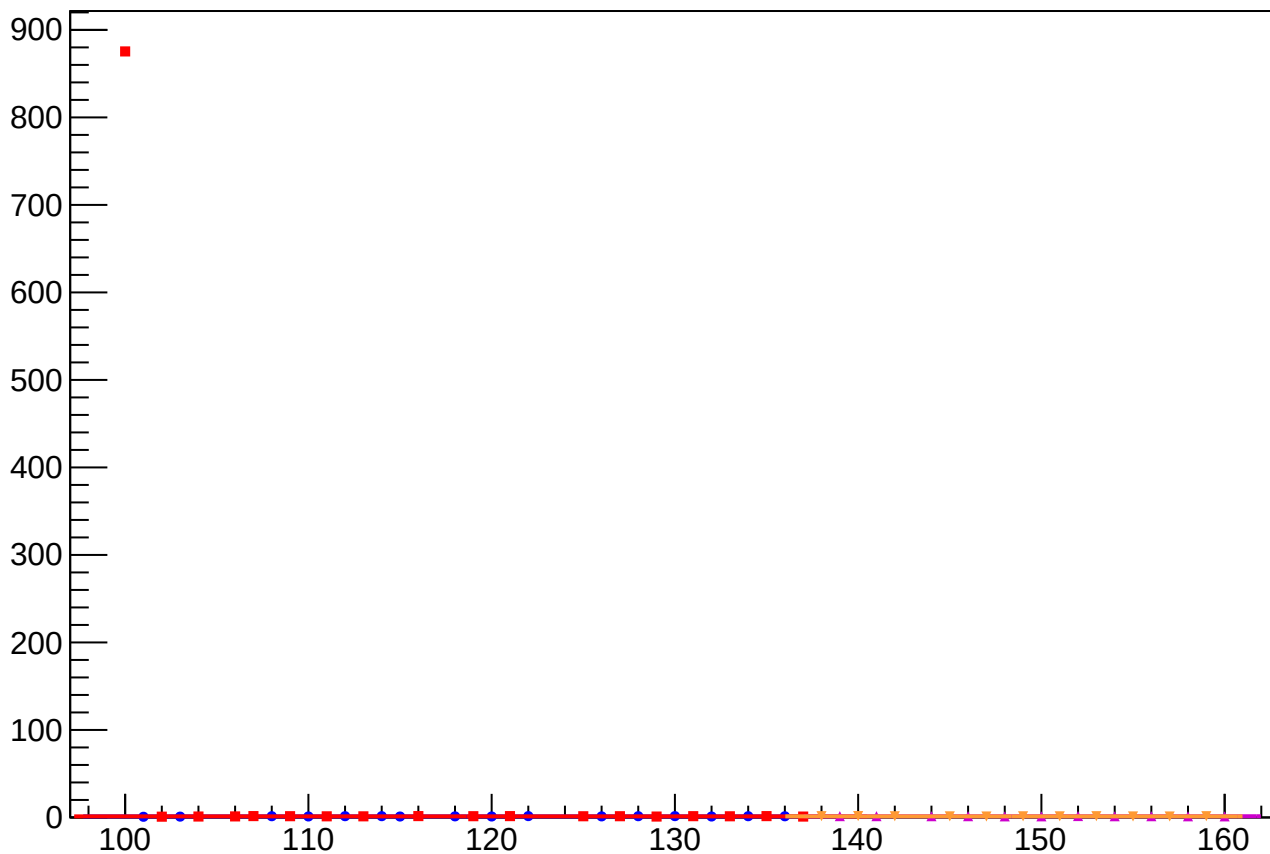
Left In: 0.080 ± 0.504 χ^2/NDF : 9.5/10

-0.189 ± 0.352 χ^2/NDF : 28.1/26

-0.059 ± 0.252 χ^2/NDF : 46.9/55

0.079 ± 0.362 χ^2/NDF : 18.5/28

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.284 $\pm$ 0.000 χ^2 /NDF: 186357.4/10

Right Out: 1.247 $\pm$ 0.000 χ^2 /NDF: 517130.7/17

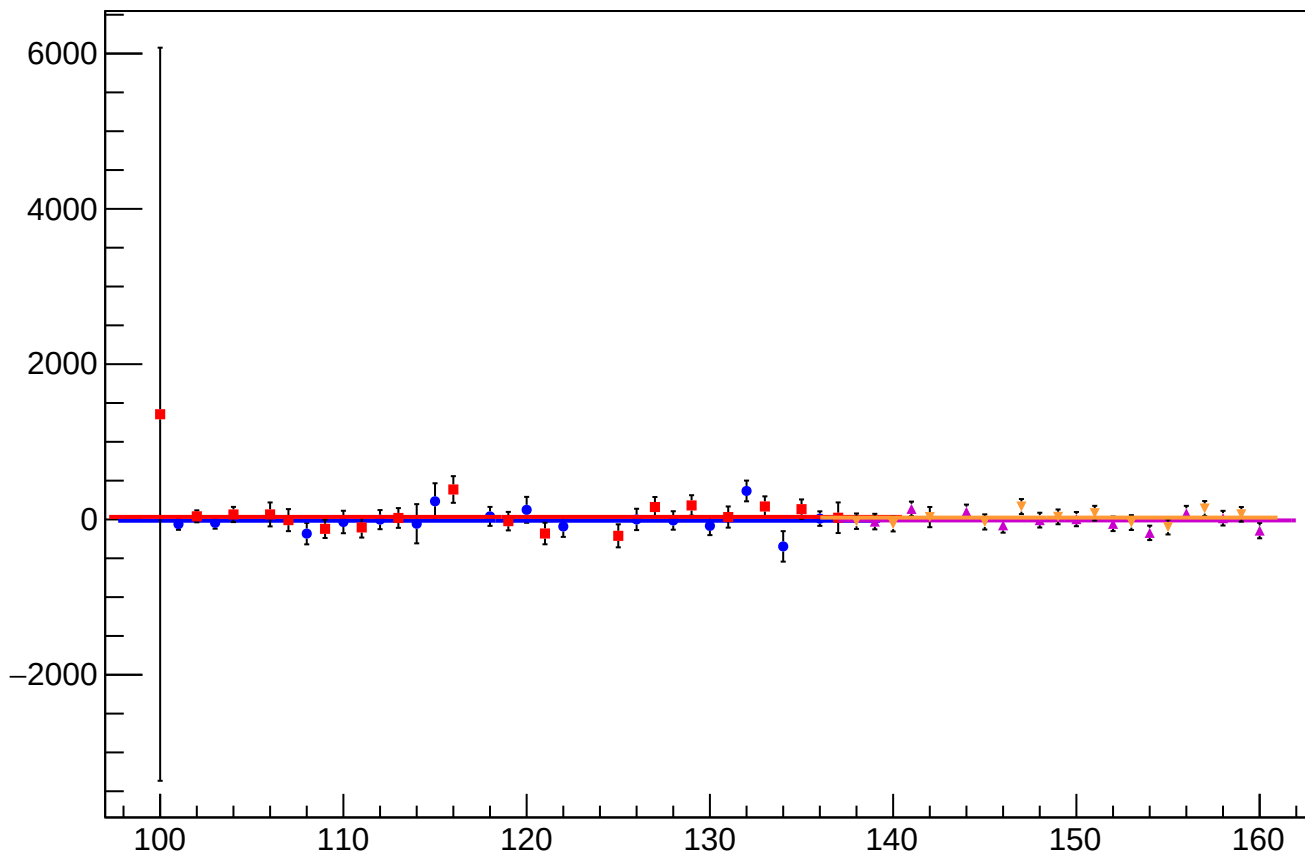
Left In: 1.390 $\pm$ 0.000 χ^2 /NDF: 97716.4/10

1.219 $\pm$ 0.000 χ^2 /NDF: 770678.0/26

1.269 $\pm$ 0.000 χ^2 /NDF: 1544681.9/55

1.321 $\pm$ 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: 23.933 ± 29.628 χ^2/NDF : 7.5/10

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

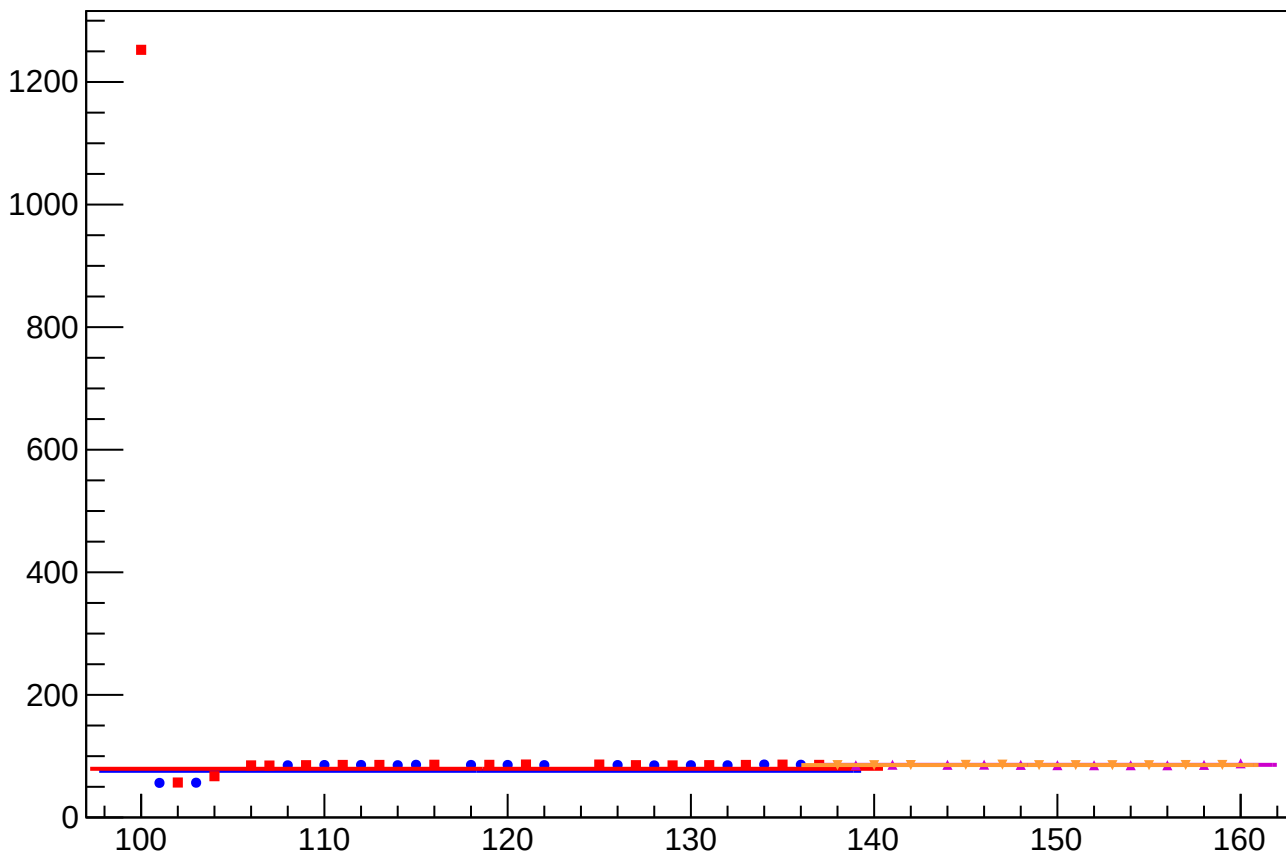
Left In: -12.207 ± 28.625 χ^2/NDF : 10.4/10

4.059 ± 21.079 χ^2/NDF : 24.3/26

6.582 ± 14.826 χ^2/NDF : 52.4/55

9.051 ± 20.858 χ^2/NDF : 28.1/28

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.493 $\pm$ 0.021 χ^2 /NDF: 171.8/10

Right Out: 79.393 $\pm$ 0.022 χ^2 /NDF: 385048.8/17

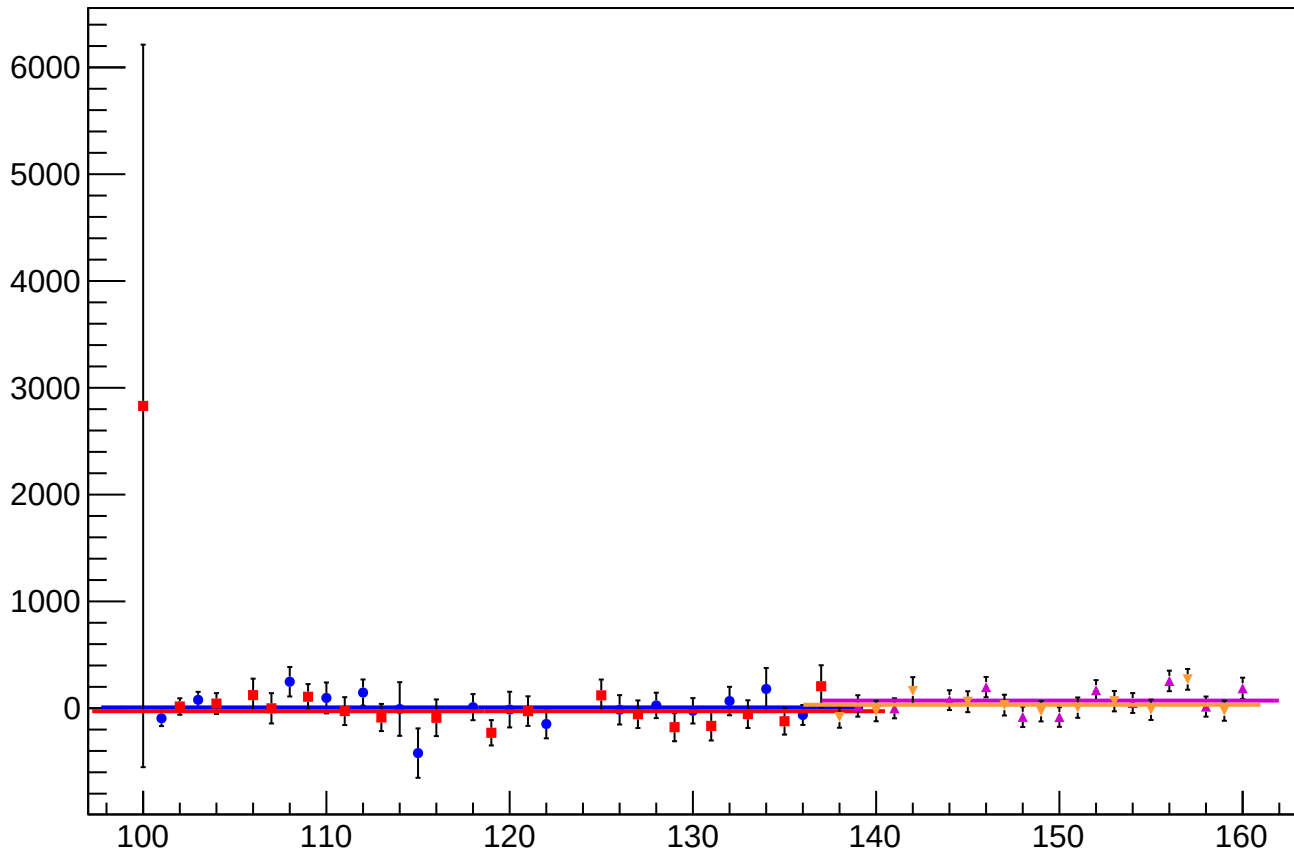
Left In: 85.846 $\pm$ 0.020 χ^2 /NDF: 1687.0/10

80.854 $\pm$ 0.015 χ^2 /NDF: 508659.3/26

81.847 $\pm$ 0.010 χ^2 /NDF: 951863.6/55

82.820 $\pm$ 0.015 χ^2 /NDF: 434415.9/28

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 32.332 ± 29.620 χ^2/NDF : 10.0/10

Right Out: -27.920 ± 30.428 χ^2/NDF : 12.5/17

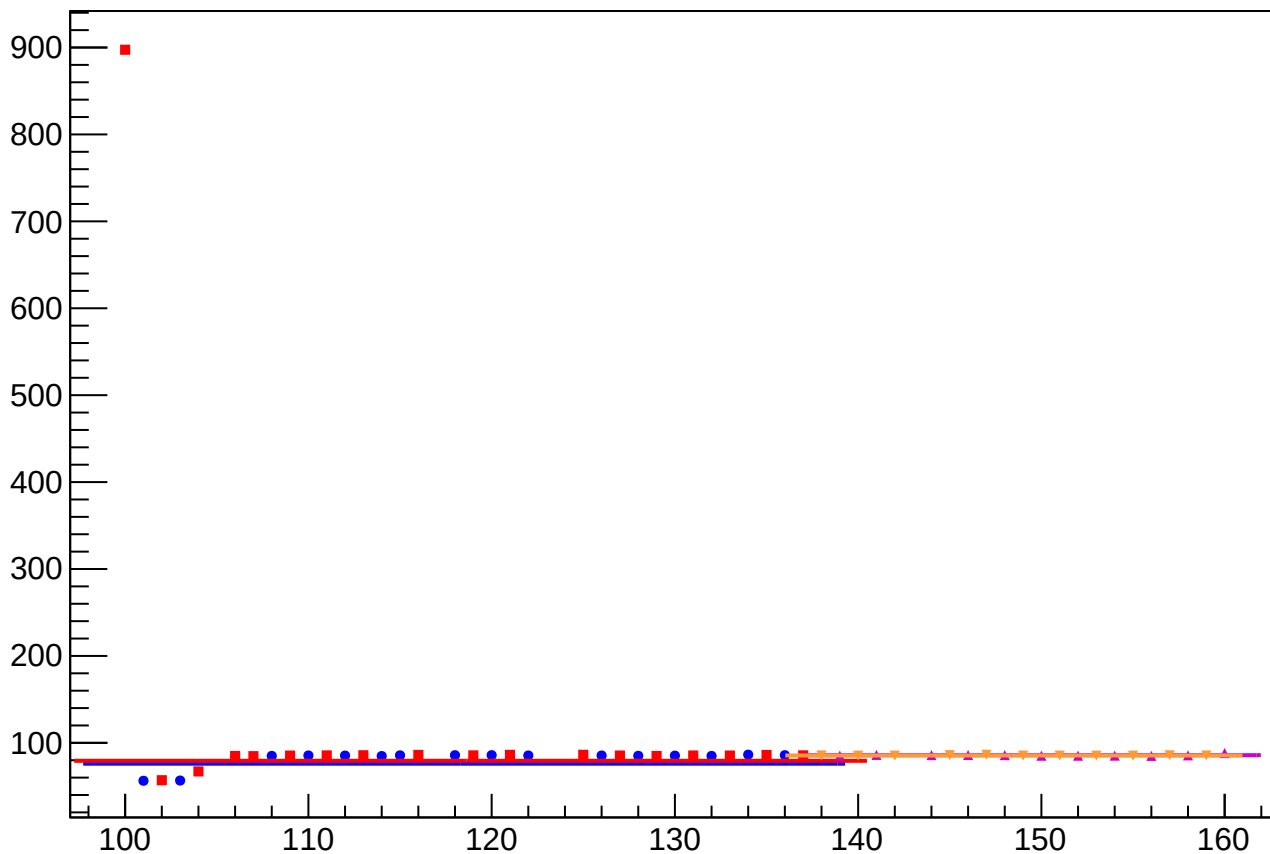
Left In: 71.338 ± 28.612 χ^2/NDF : 14.5/10

20.042 ± 21.067 χ^2/NDF : 24.3/26

22.426 ± 14.817 χ^2/NDF : 57.0/55

24.759 ± 20.844 χ^2/NDF : 32.6/28

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.469+/-0.021 χ^2/NDF :226.4/10

Right Out: 79.342+/-0.022 χ^2/NDF : 378371.9/17

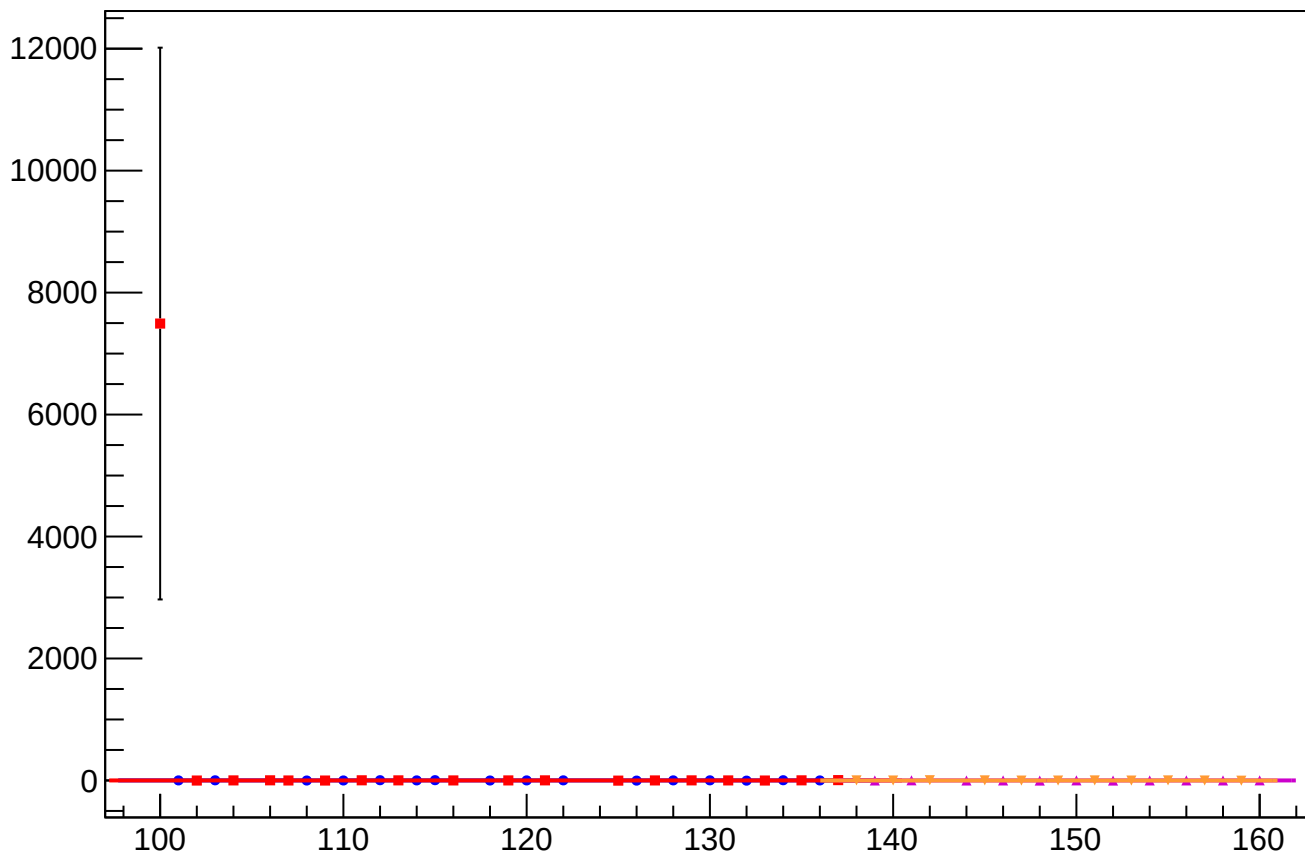
Left In: 85.807+/-0.020 χ^2/NDF :1674.8/10

80.806+/-0.015 χ^2/NDF : 509473.6/26

81.800+/-0.010 χ^2/NDF : 946260.9/55

82.773+/-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: -0.639 ± 0.505 χ^2/NDF : 12.4/10

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

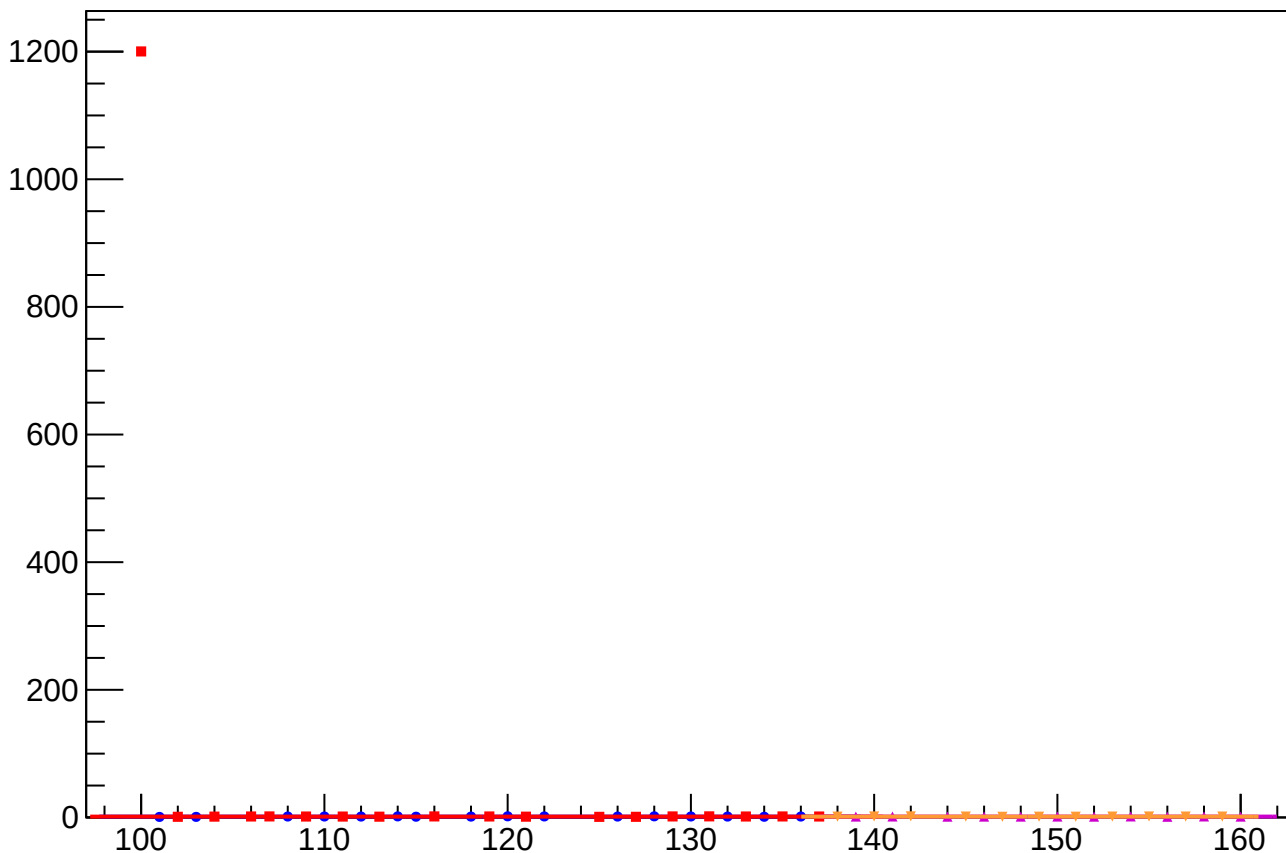
Left In: 0.274 ± 0.498 χ^2/NDF : 5.7/10

0.095 ± 0.366 χ^2/NDF : 28.9/26

0.193 ± 0.260 χ^2/NDF : 47.3/55

0.292 ± 0.369 χ^2/NDF : 18.3/28

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.325 $\pm$ 0.000 χ^2 /NDF:224886.0/10

Right Out: 1.317 $\pm$ 0.000 χ^2 /NDF: 521587.9/17

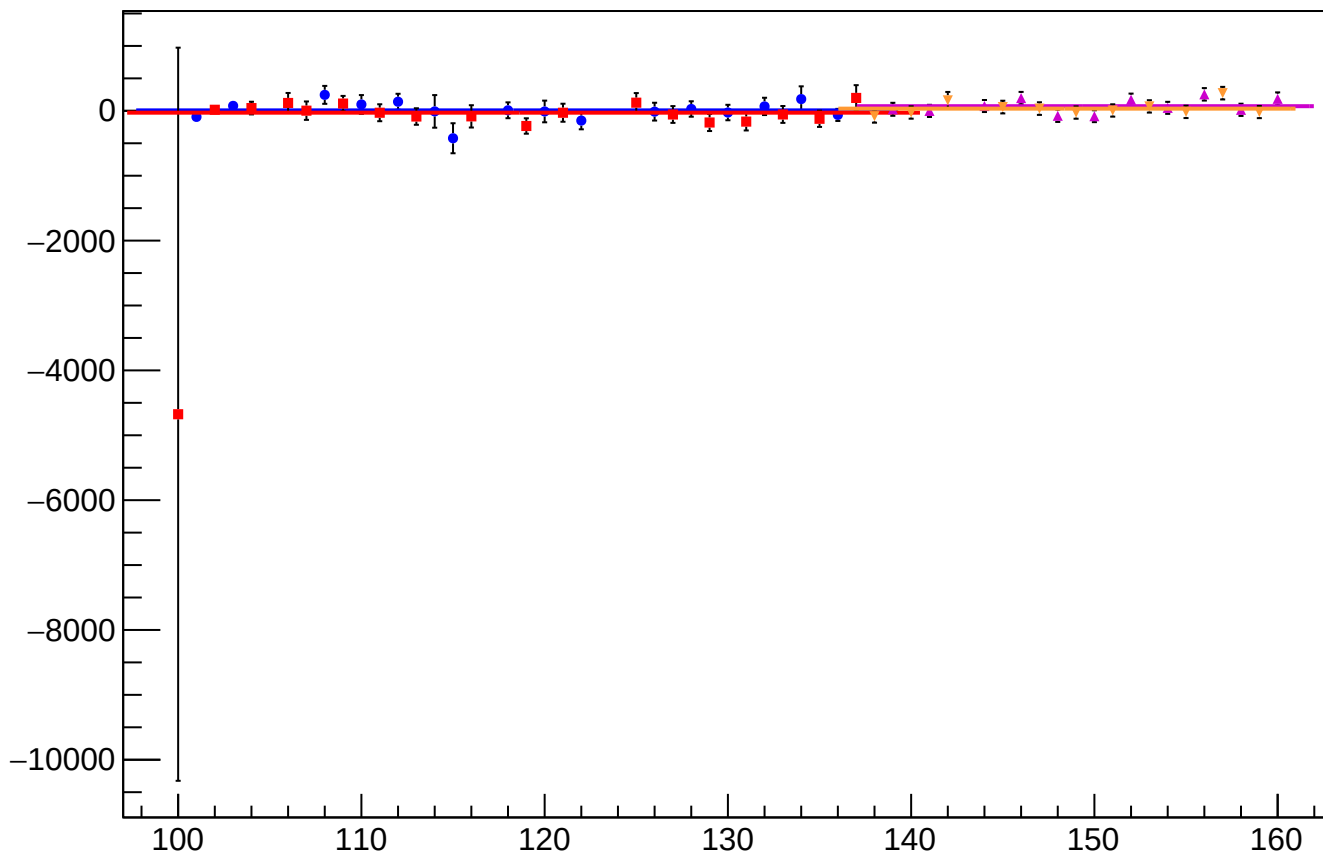
Left In: 1.363 $\pm$ 0.000 χ^2 /NDF:182196.6/10

1.284 $\pm$ 0.000 χ^2 /NDF: 911038.6/26

1.313 $\pm$ 0.000 χ^2 /NDF: 1647563.6/55

1.342 $\pm$ 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: 33.539 ± 29.627 χ^2/NDF : 10.0/10

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

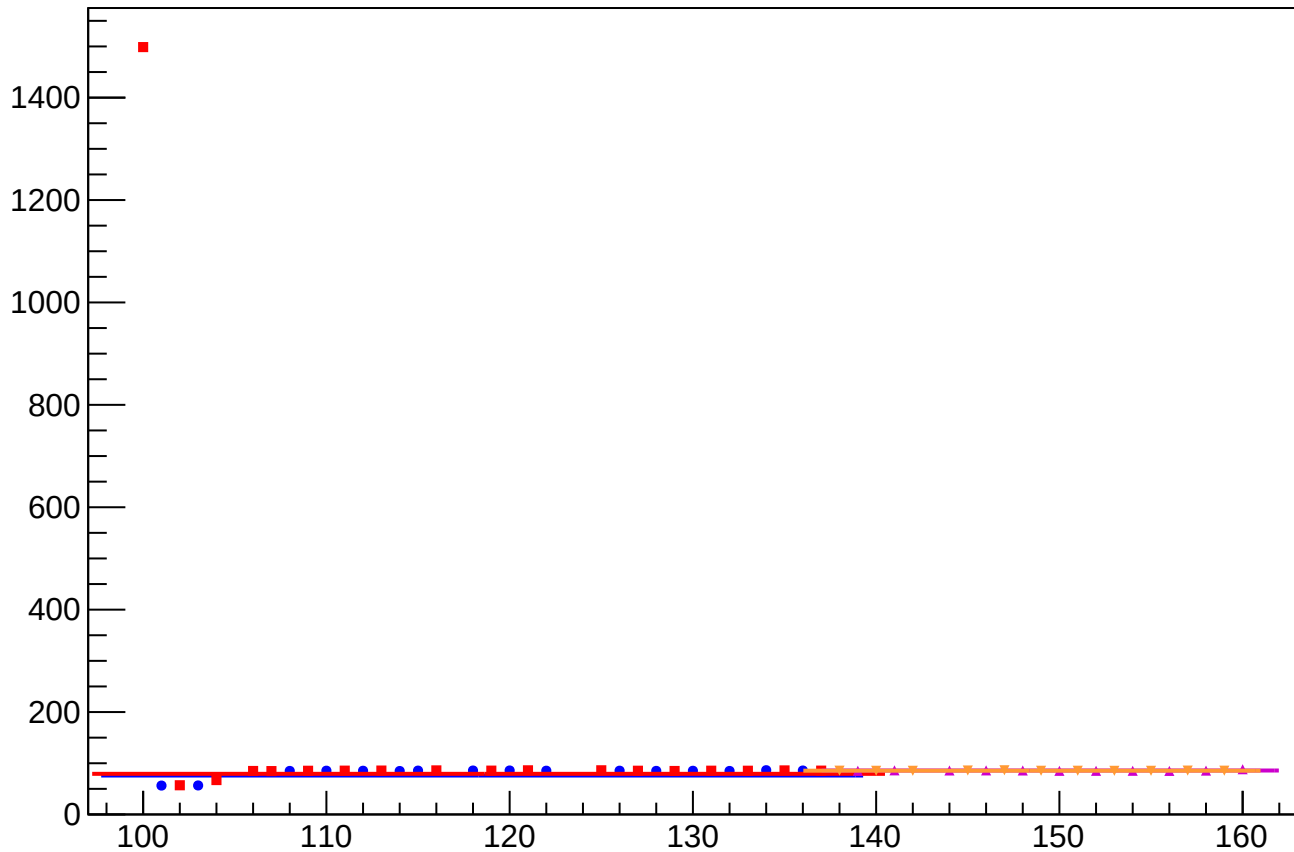
Left In: 71.348 ± 28.620 χ^2/NDF : 14.3/10

20.317 ± 21.072 χ^2/NDF : 24.3/26

22.415 ± 14.821 χ^2/NDF : 56.9/55

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: 85.492 $\pm$ 0.021 χ^2 /NDF: 226.1/10

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

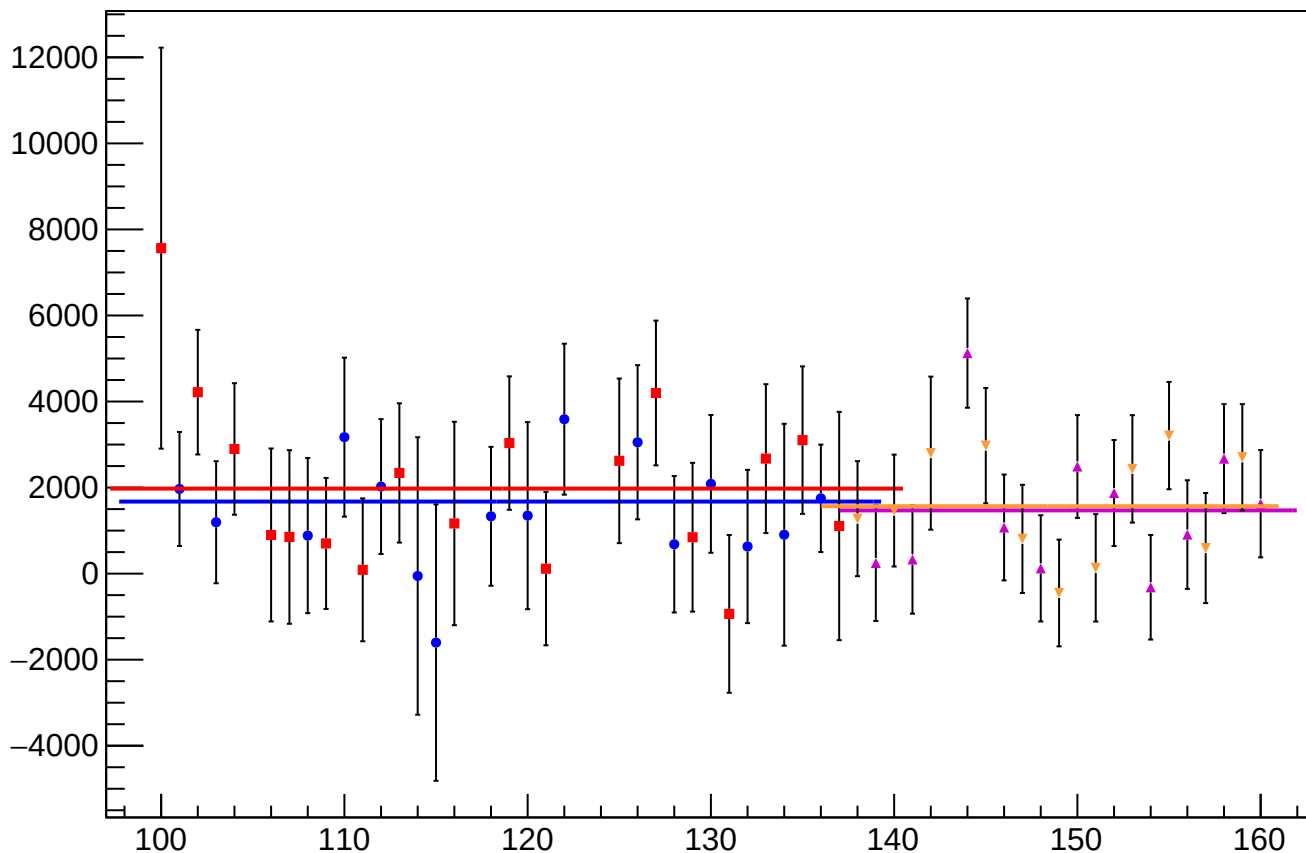
Left In: 85.831 $\pm$ 0.020 χ^2 /NDF: 1682.0/10

80.827 $\pm$ 0.015 χ^2 /NDF: 509501.6/26

81.816 $\pm$ 0.010 χ^2 /NDF: 955826.3/55

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: 1567.442 $\pm$ 392.248 χ^2/NDF : 9.6/10

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

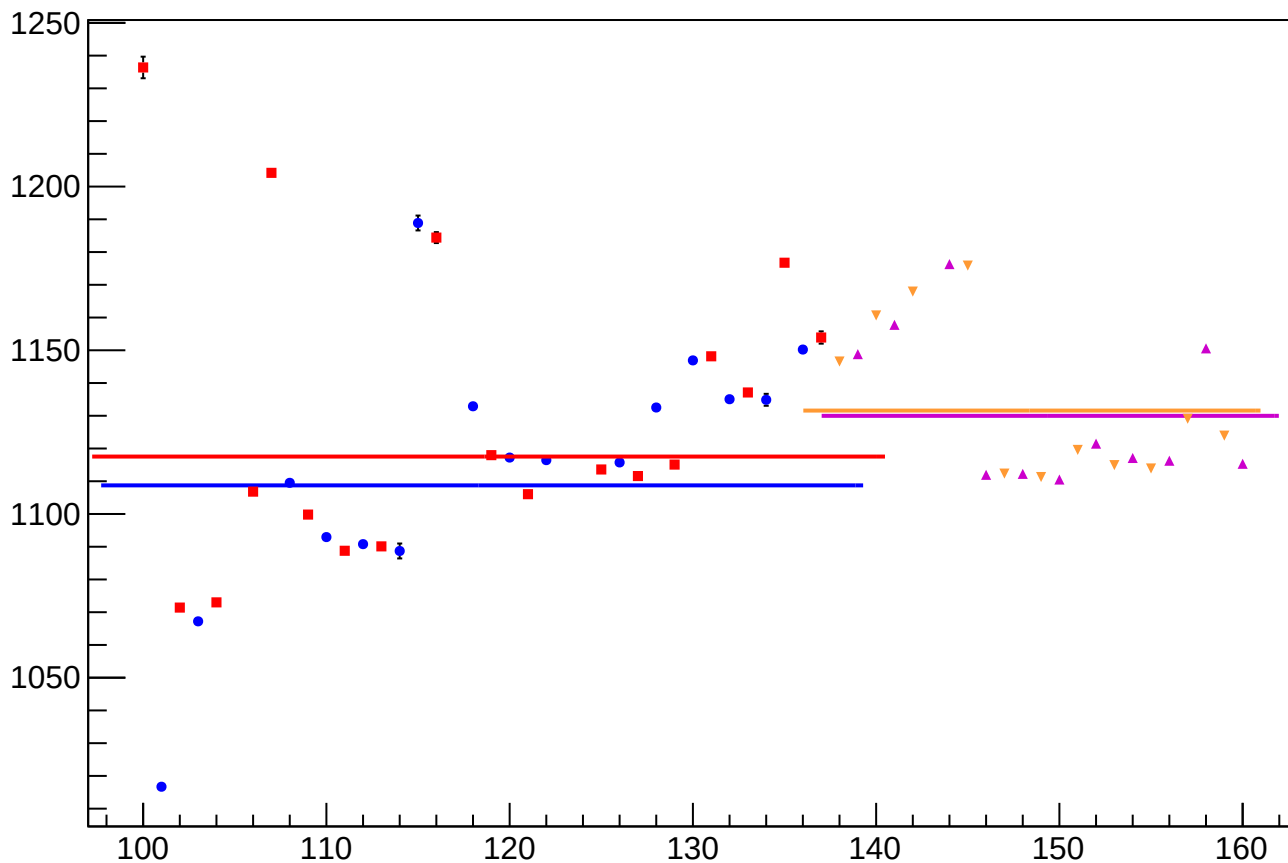
Left In: 1469.935 $\pm$ 376.678 χ^2/NDF : 15.3/10

1616.216 $\pm$ 289.973 χ^2/NDF : 14.8/26

1656.432 $\pm$ 201.844 χ^2/NDF : 45.0/55

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: 1131.586 $\pm$ 0.277 χ^2/NDF : 6301.3/10

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

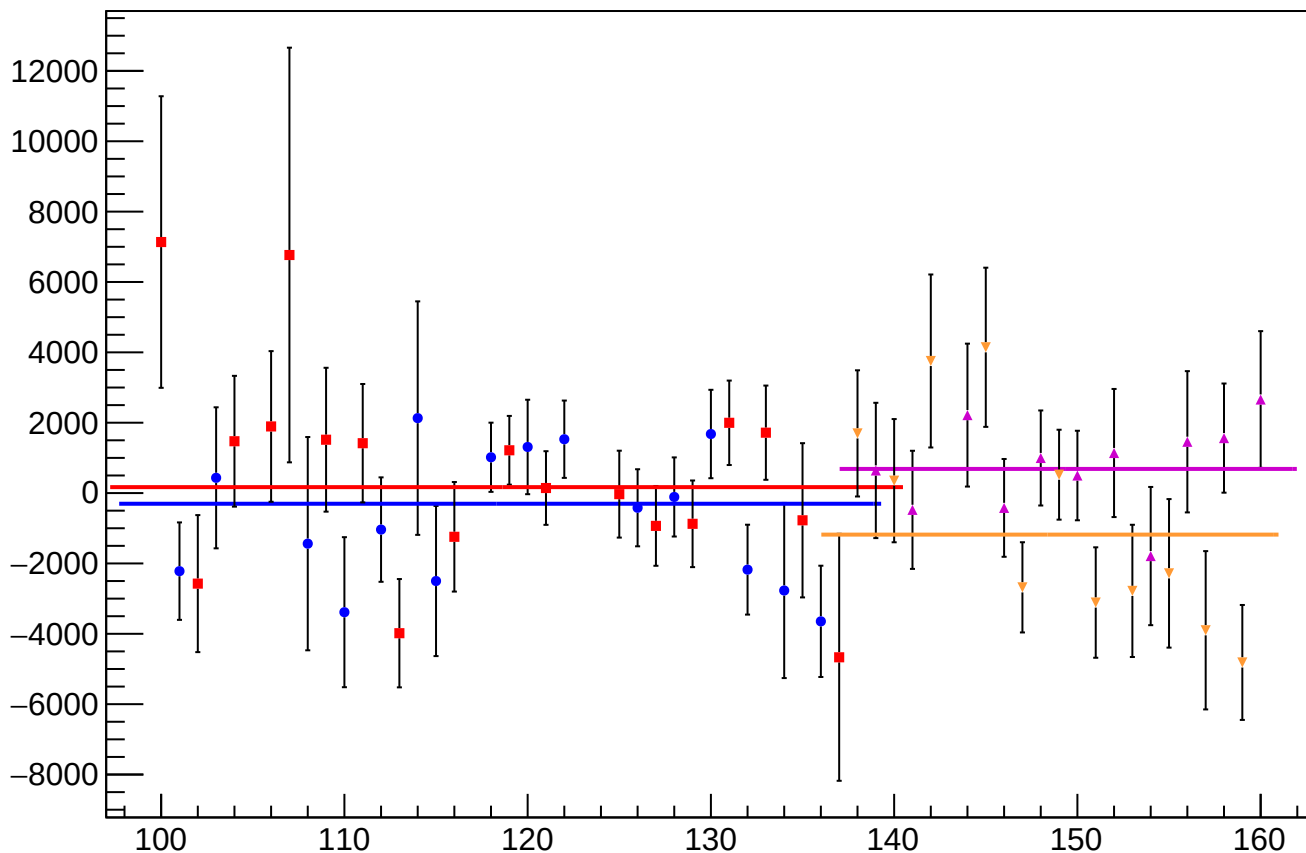
Left In: 1129.979 $\pm$ 0.266 χ^2/NDF : 6761.0/10

1121.225 $\pm$ 0.205 χ^2/NDF : 27459.1/26

1122.897 $\pm$ 0.143 χ^2/NDF : 50830.5/55

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

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -303.335 $\pm$ 360.068 χ^2/NDF : 22.3/15

Left Out: -1180.573 $\pm$ 519.583 χ^2/NDF : 25.0/10

Right Out: 168.849 $\pm$ 356.237 χ^2/NDF : 24.9/17

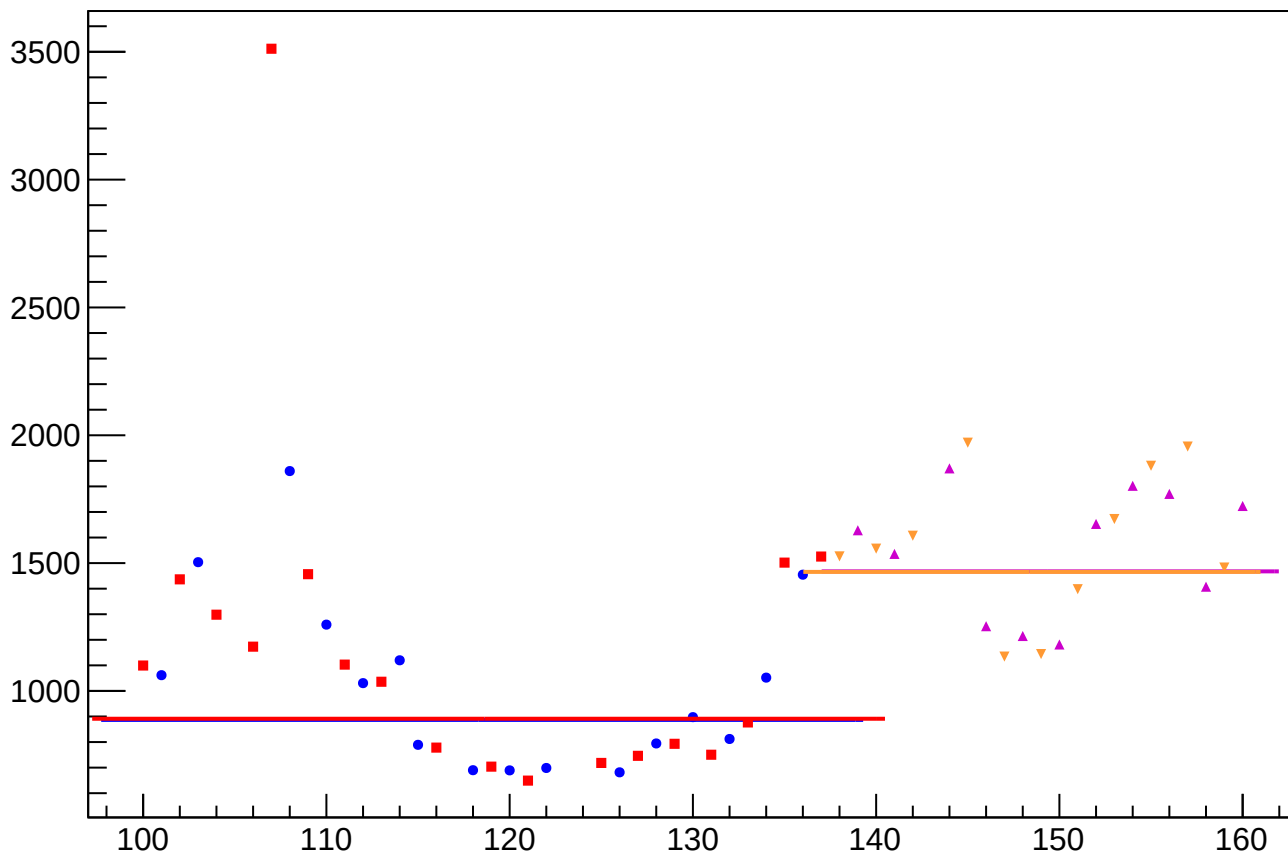
Left In: 686.533 $\pm$ 497.514 χ^2/NDF : 4.9/10

-587.942 $\pm$ 295.950 χ^2/NDF : 49.2/26

-111.776 $\pm$ 207.002 χ^2/NDF : 84.7/55

344.309 $\pm$ 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: 1465.581+/-0.367 χ^2/NDF : 574681.1/10

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

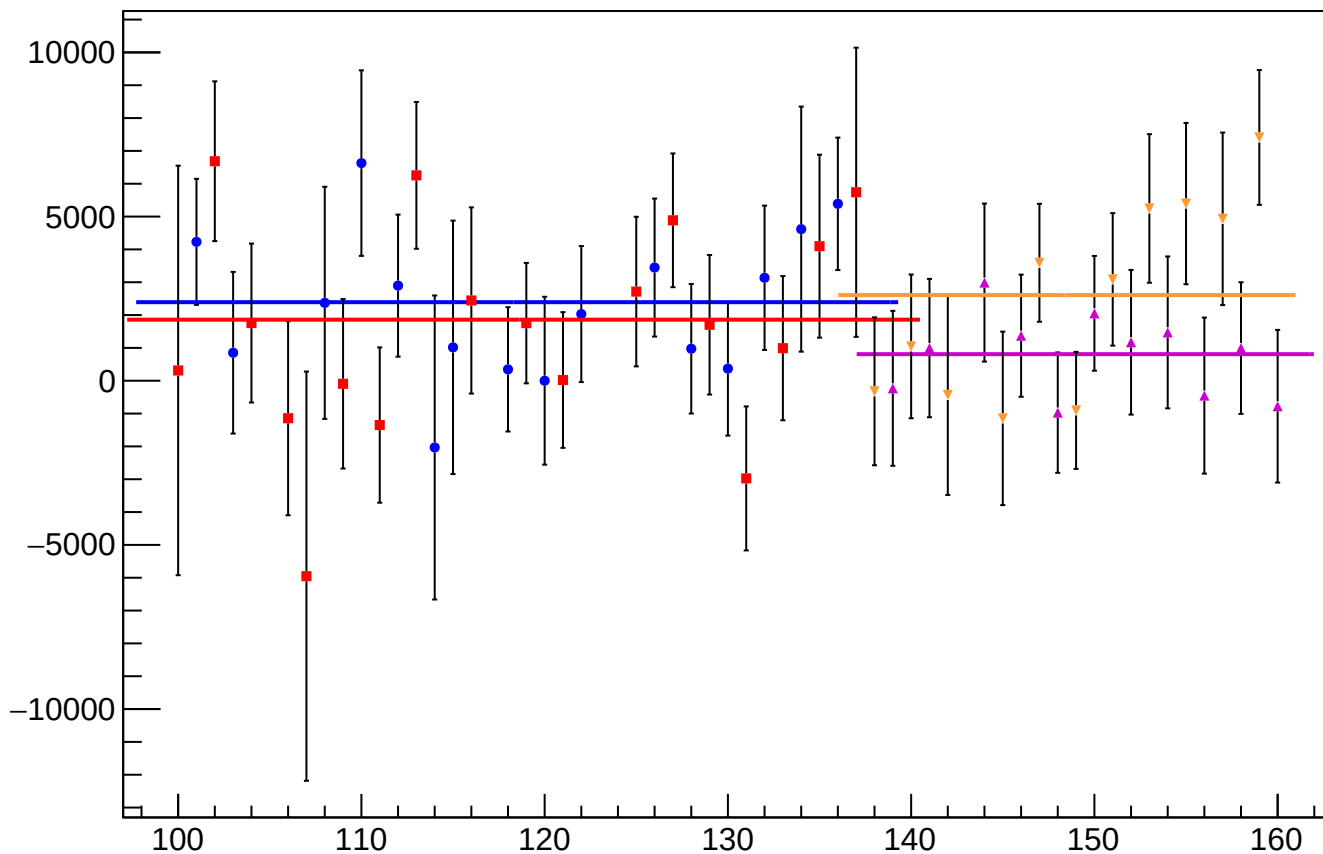
Left In: 1467.666+/-0.352 χ^2/NDF : 476730.7/10

1074.503+/-0.209 χ^2/NDF : 3312725.0/26

1080.672+/-0.146 χ^2/NDF : 6980423.4/55

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: 2608.269 $\pm$ 663.691 χ^2 /NDF:18.4/10

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

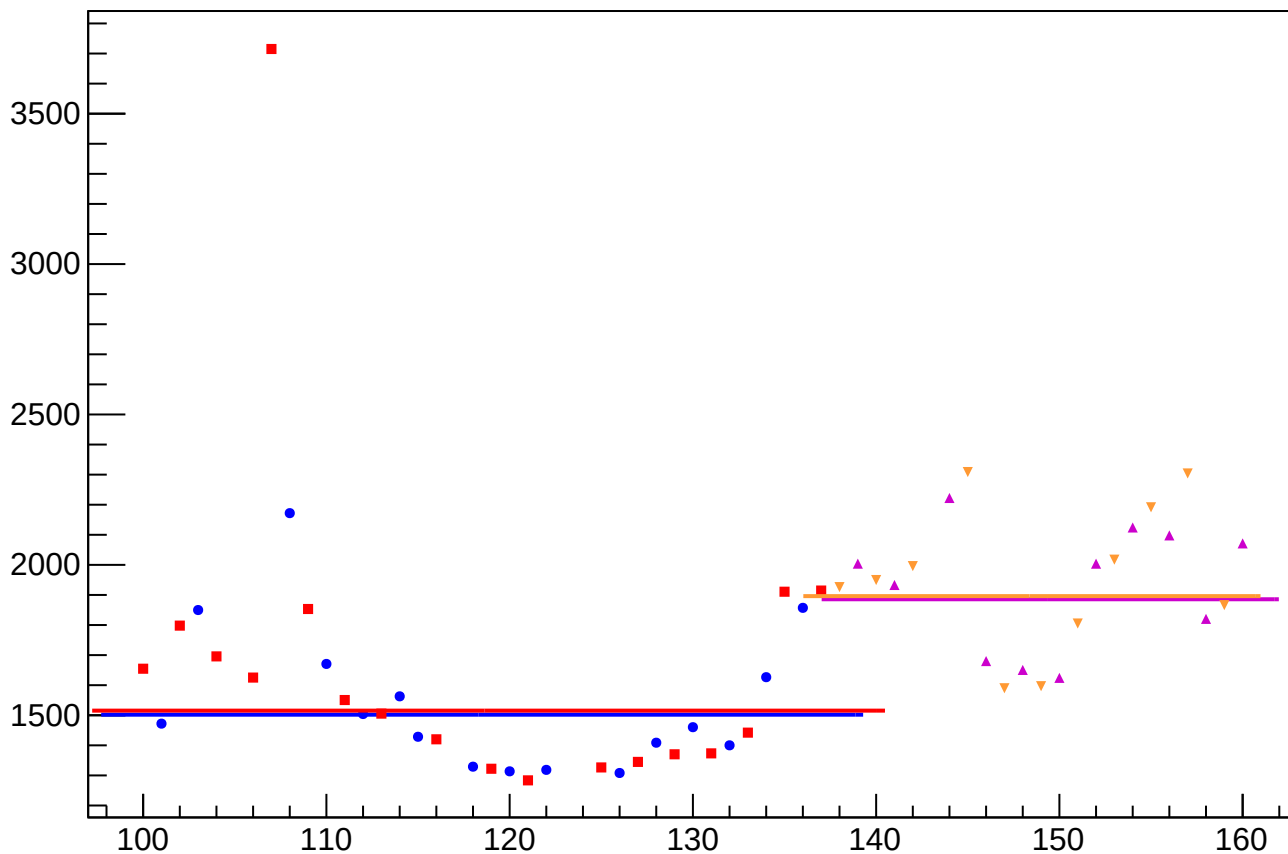
Left In: 808.901 $\pm$ 633.081 χ^2 /NDF:3.4/10

2487.499 $\pm$ 440.532 χ^2 /NDF: 29.6/26

1917.649 $\pm$ 307.310 χ^2 /NDF: 60.3/55

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: 1896.074 $\pm$ 0.469 χ^2 /NDF: 254403.0/10

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

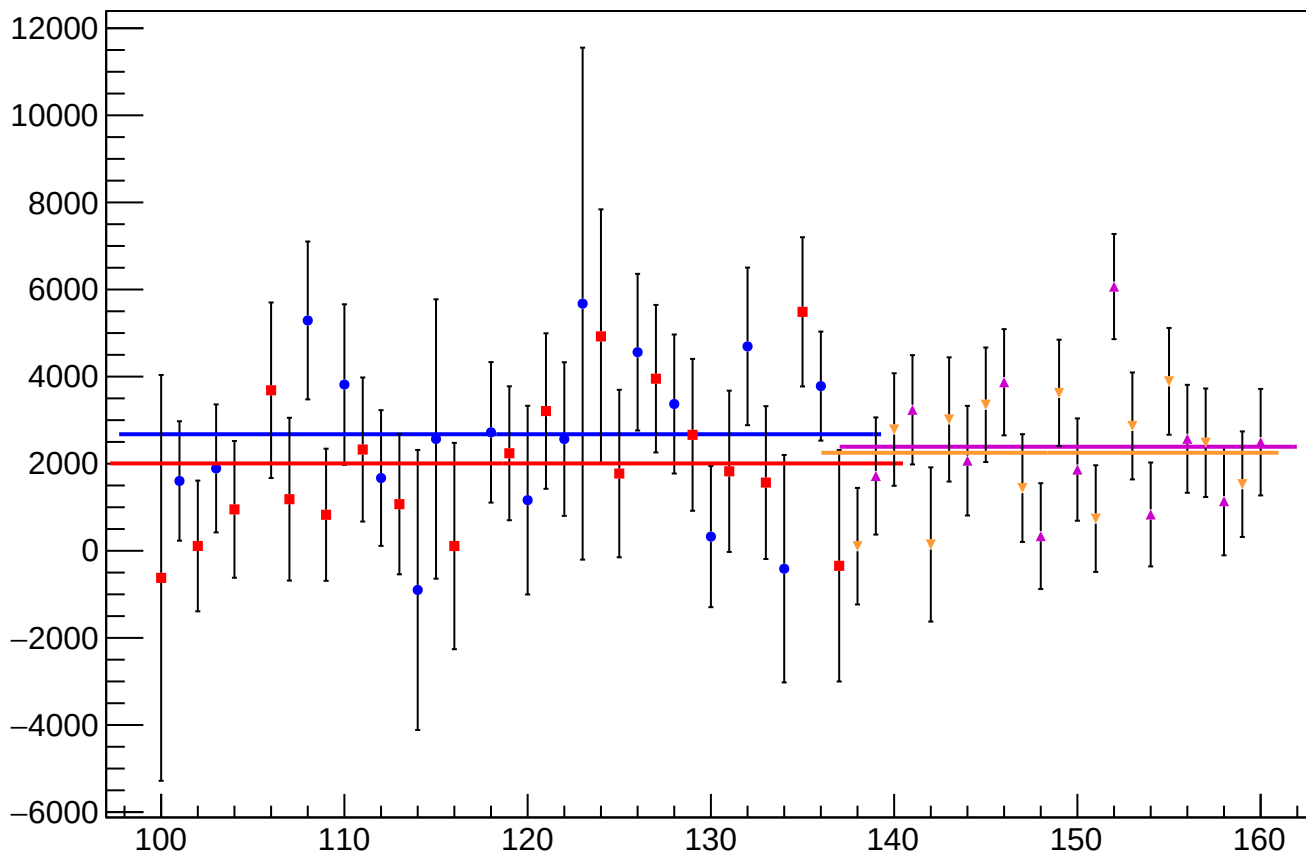
Left In: 1885.653 $\pm$ 0.448 χ^2 /NDF: 205053.9/10

1675.585 $\pm$ 0.312 χ^2 /NDF: 903530.1/26

1680.596 $\pm$ 0.217 χ^2 /NDF: 1958932.7/55

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: 2251.286 ± 372.955 χ^2/NDF : 10.8/11

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

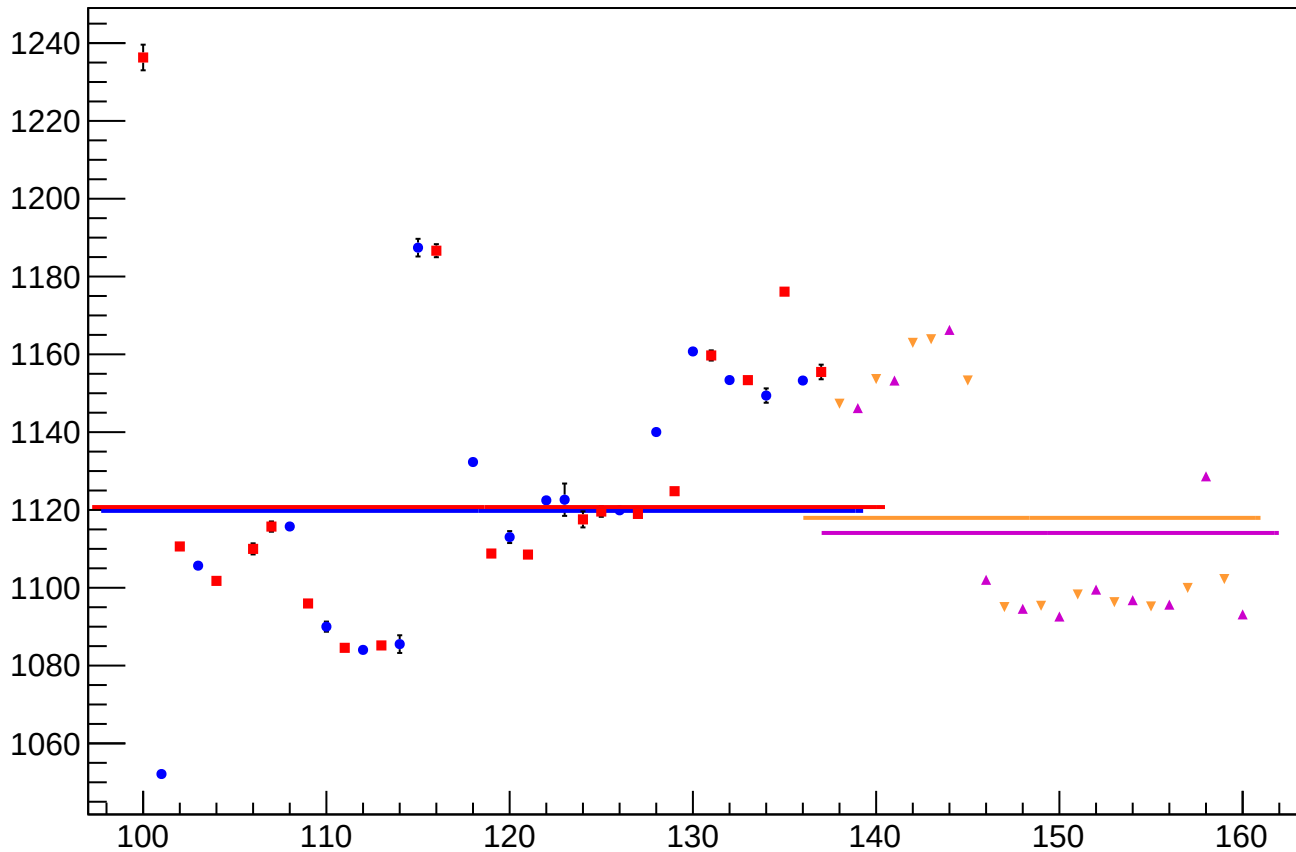
Left In: 2389.714 ± 371.415 χ^2/NDF : 17.3/10

2432.187 ± 282.745 χ^2/NDF : 23.9/28

2324.904 ± 198.227 χ^2/NDF : 54.8/58

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: 1117.968 $\pm$ 0.264 χ^2 /NDF: 11247.4/11

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

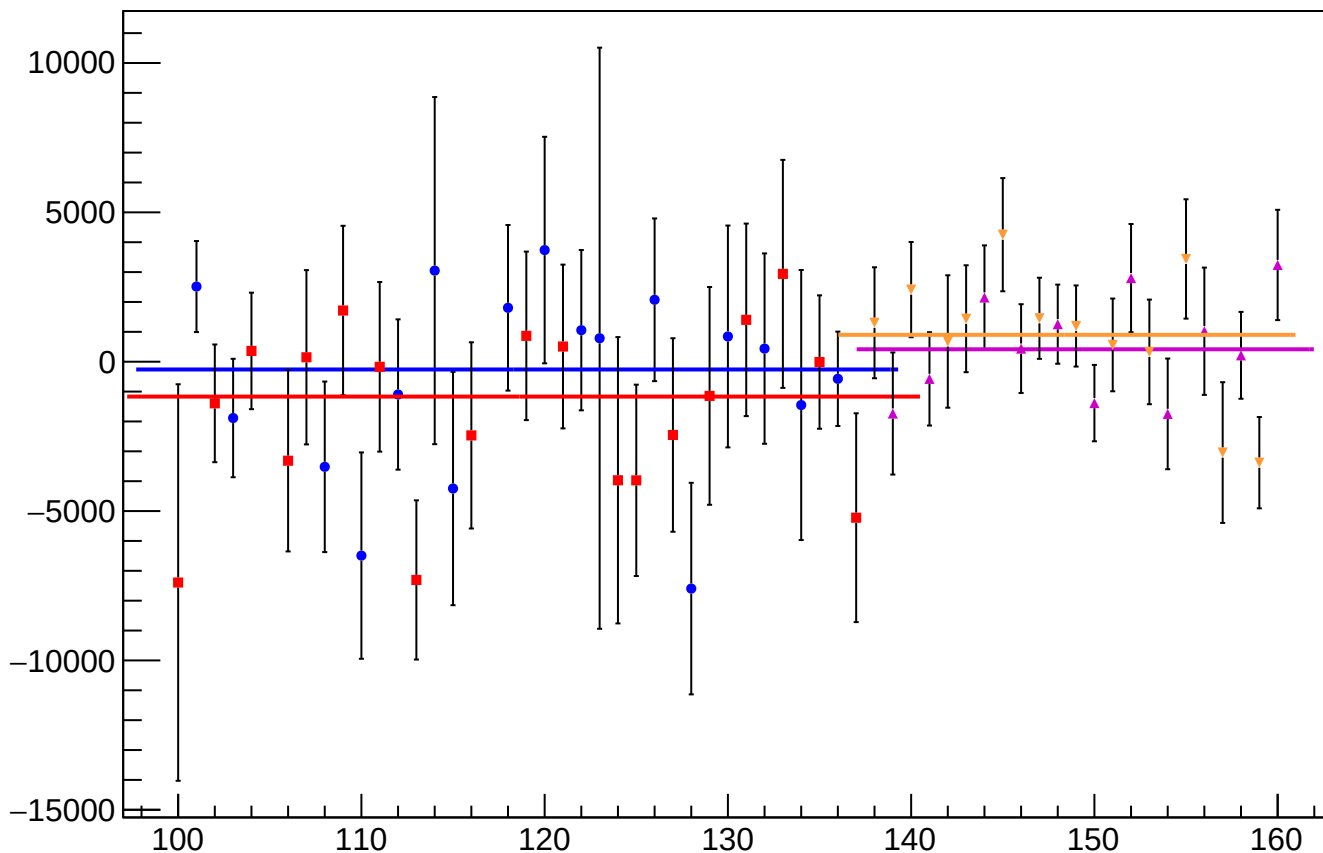
Left In: 1114.091 $\pm$ 0.263 χ^2 /NDF: 9917.7/10

1118.731 $\pm$ 0.200 χ^2 /NDF: 23143.9/28

1117.860 $\pm$ 0.140 χ^2 /NDF: 43315.4/58

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

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 899.721+/-490.147 χ^2/NDF : 16.8/11

Right Out: -1167.598+/-662.428 χ^2/NDF : 14.4/18

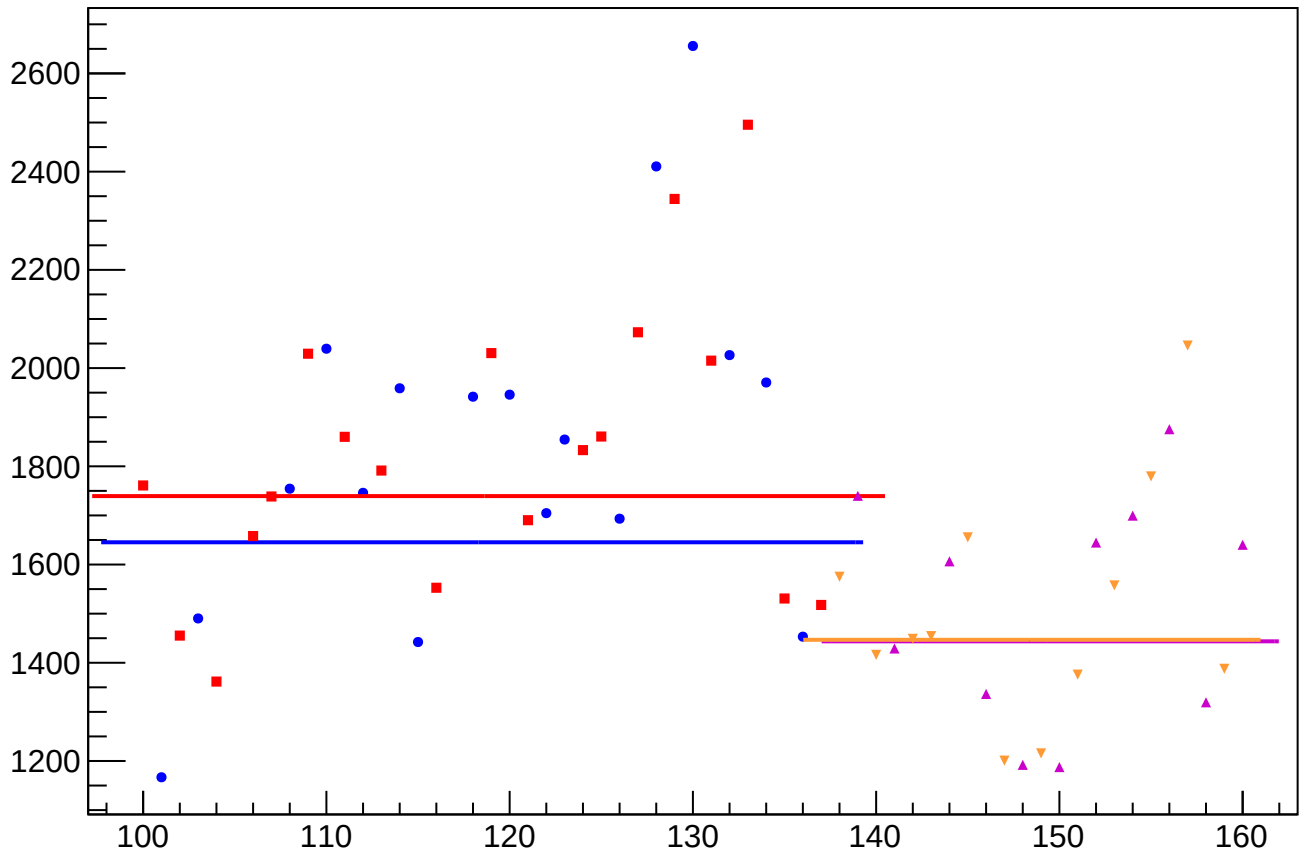
Left In: 415.885+/-488.233 χ^2/NDF : 10.4/10

483.710+/-392.494 χ^2/NDF : 36.0/28

171.518+/-277.720 χ^2/NDF : 65.8/58

-141.509+/-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: 1446.758 $\pm$ 0.347 χ^2/NDF : 358331.0/11

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

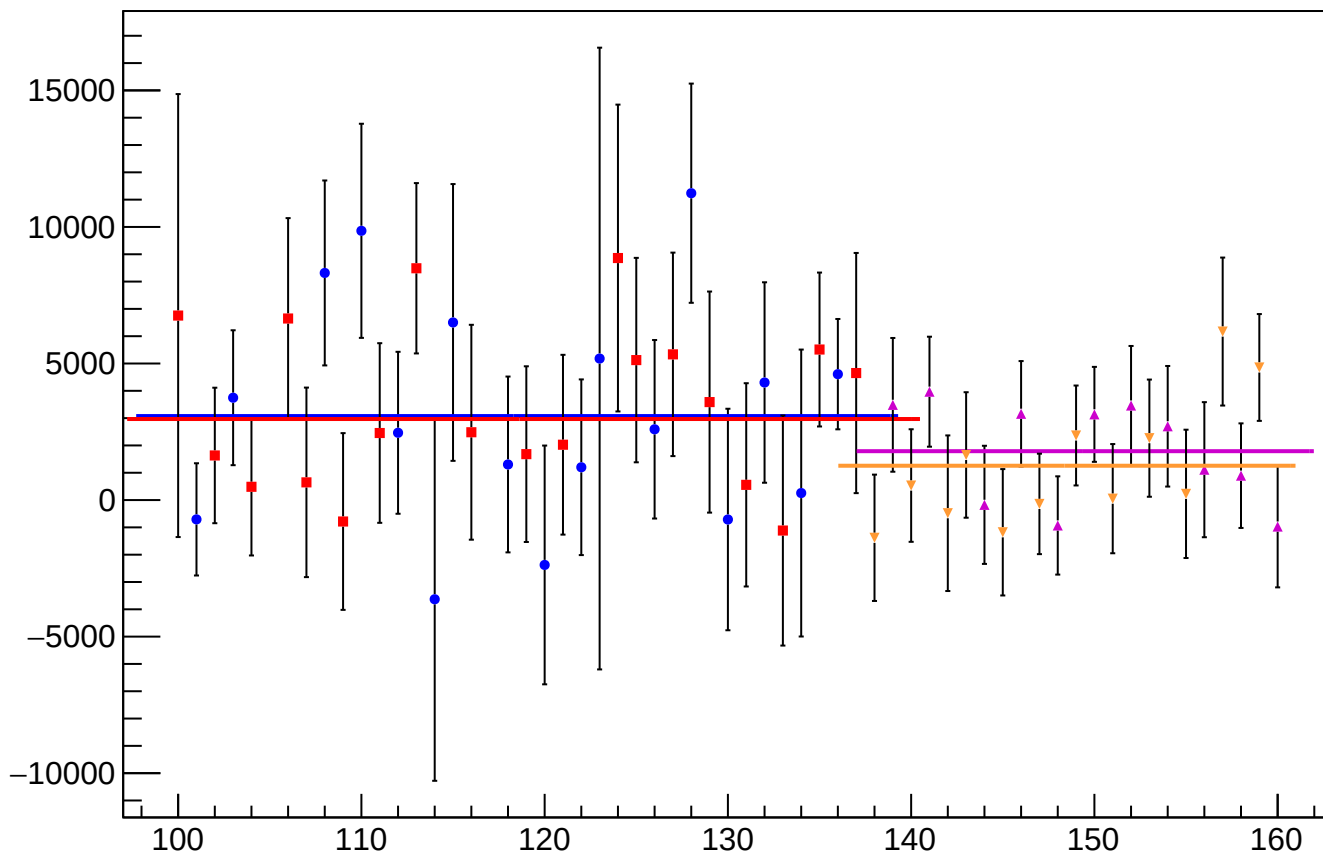
Left In: 1443.655 $\pm$ 0.345 χ^2/NDF : 404645.1/10

1517.992 $\pm$ 0.278 χ^2/NDF : 1076987.5/28

1532.852 $\pm$ 0.196 χ^2/NDF : 2116675.4/58

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: 1257.056 $\pm$ 624.655 χ^2/NDF : 11.3/11

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

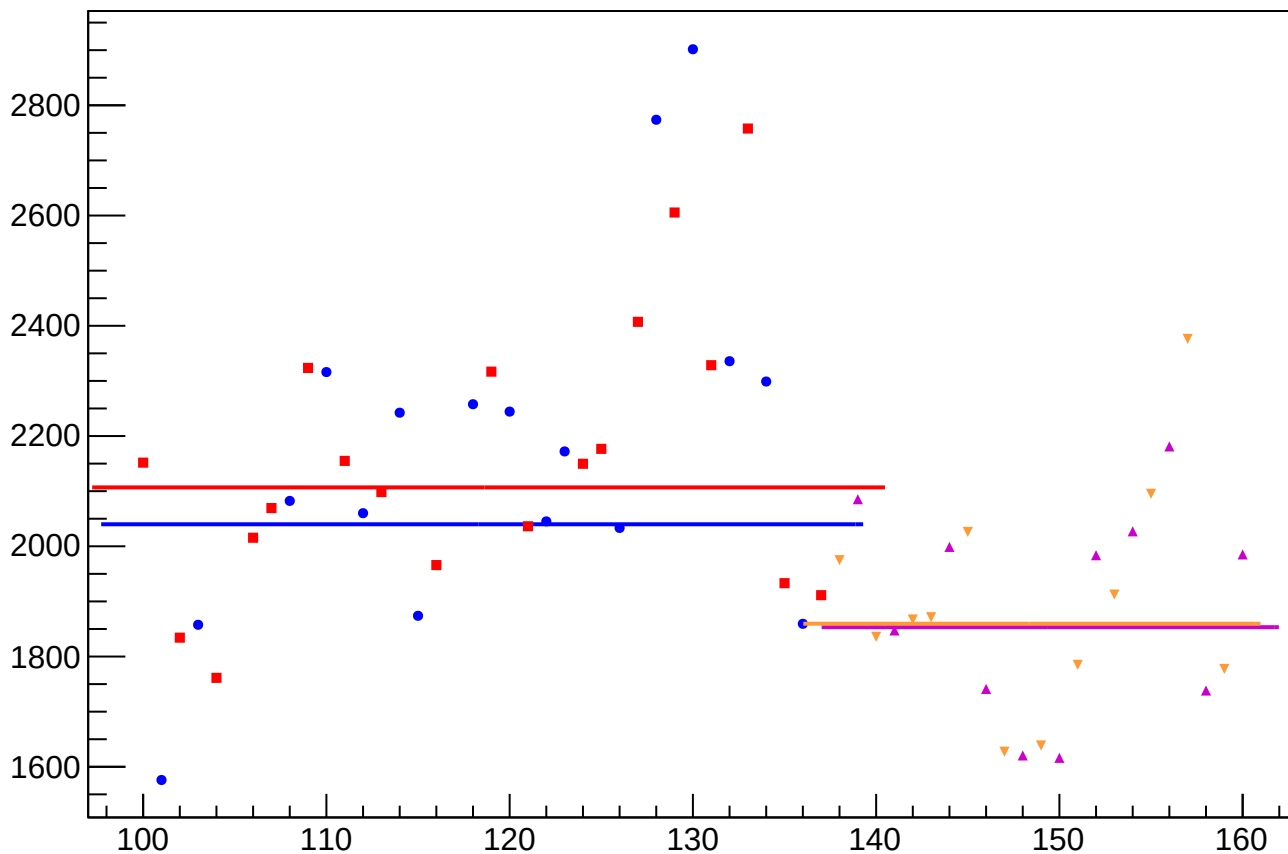
Left In: 1789.806 $\pm$ 621.518 χ^2/NDF : 8.5/10

1943.367 $\pm$ 492.869 χ^2/NDF : 33.1/28

2090.660 $\pm$ 347.419 χ^2/NDF : 55.0/58

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: 1859.575 $\pm$ 0.442 χ^2 /NDF:177102.2/11

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

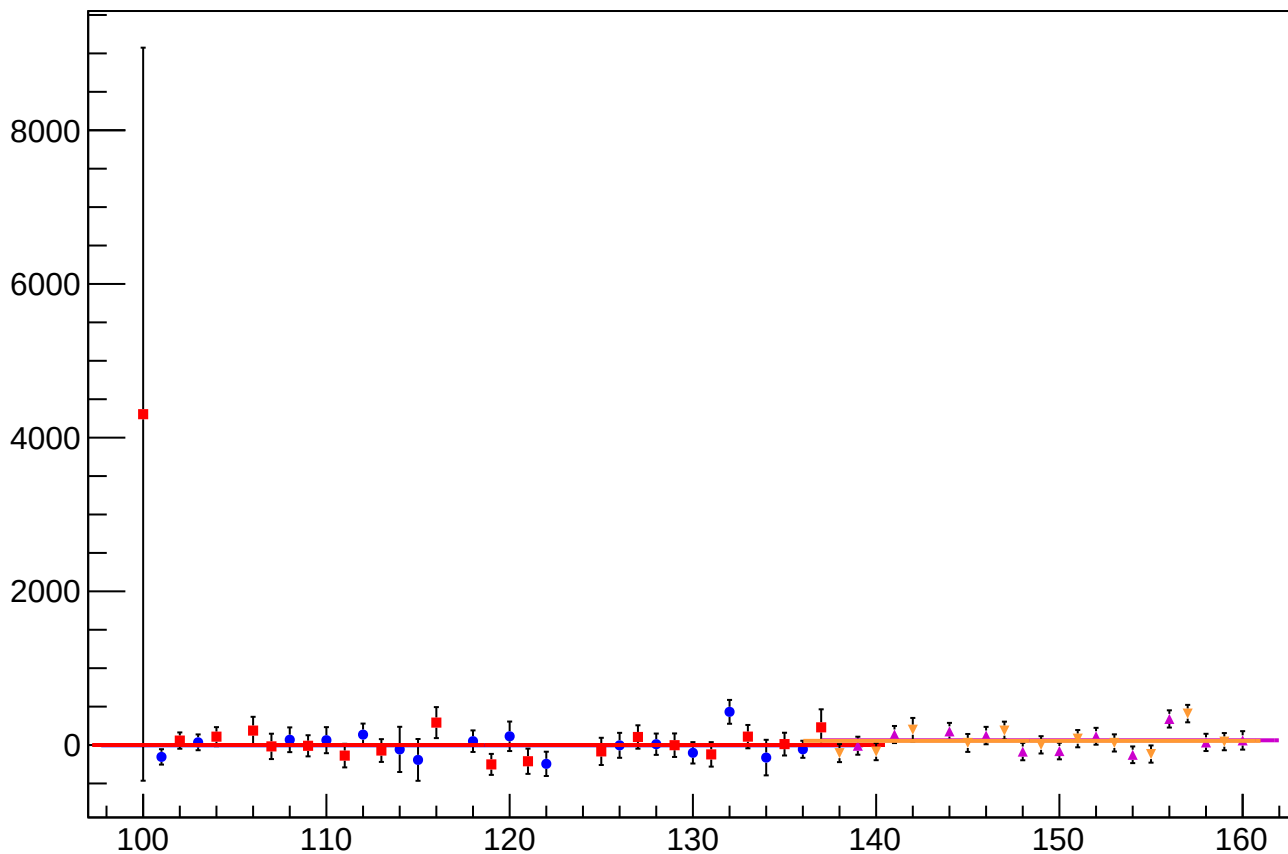
Left In: 1853.273 $\pm$ 0.439 χ^2 /NDF:173370.1/10

1927.652 $\pm$ 0.349 χ^2 /NDF: 572023.2/28

1938.575 $\pm$ 0.246 χ^2 /NDF: 1068941.0/58

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 $\chi^2/\text{NDF}: 16.1/15$

Left Out: 54.397 ± 34.949 $\chi^2/\text{NDF}: 18.2/10$

Right Out: 0.487 ± 36.699 $\chi^2/\text{NDF}: 14.0/17$

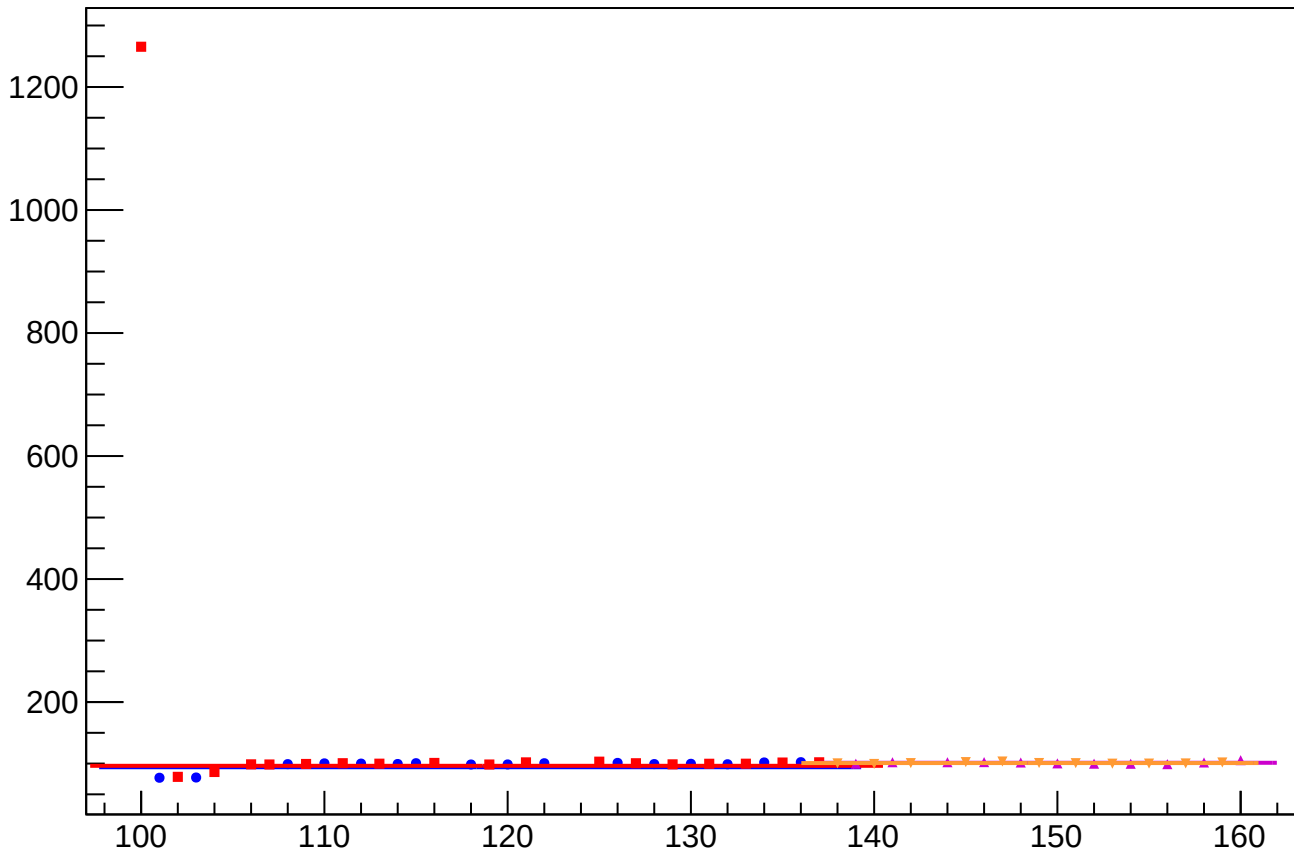
Left In: 61.669 ± 33.813 $\chi^2/\text{NDF}: 15.0/10$

26.977 ± 25.314 $\chi^2/\text{NDF}: 35.6/26$

30.336 ± 17.739 $\chi^2/\text{NDF}: 66.1/55$

33.578 ± 24.867 $\chi^2/\text{NDF}: 30.5/28$

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 100.841+/-0.025 χ^2/NDF : 2125.4/10

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

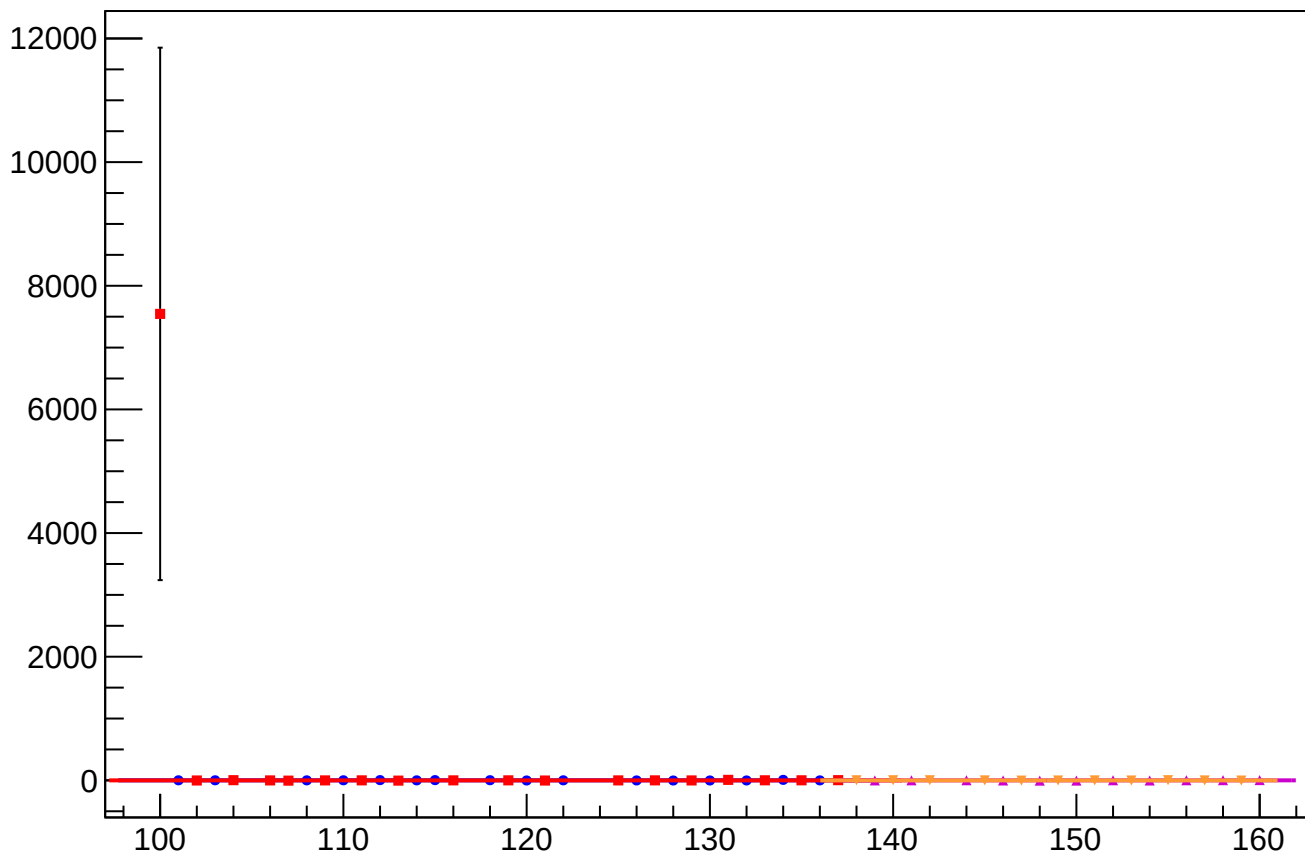
Left In: 101.290+/-0.024 χ^2/NDF : 5071.4/10

97.621+/-0.018 χ^2/NDF : 190115.9/26

98.339+/-0.013 χ^2/NDF : 427006.5/55

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: -0.785+/-0.603 χ^2 /NDF:12.8/10

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

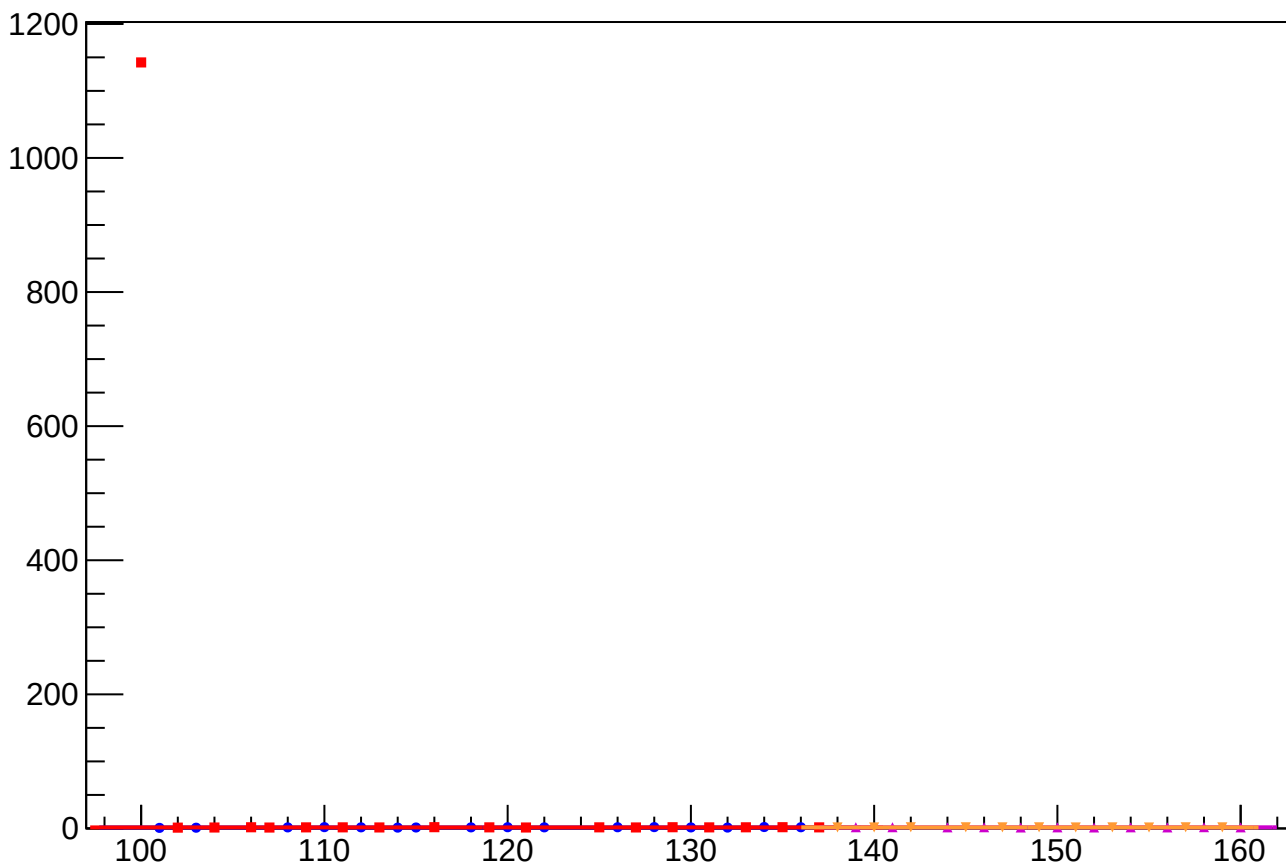
Left In: 0.149+/-0.612 χ^2 /NDF:18.2/10

-0.192+/-0.431 χ^2 /NDF: 24.5/26

-0.133+/-0.309 χ^2 /NDF: 65.8/55

-0.070+/-0.443 χ^2 /NDF: 41.3/28

asym_dsl_correction_rms vs Slug, Sign Corrected



Right In: 1.420 $\pm$ 0.000 χ^2 /NDF: 730935.2/15

Left Out: 1.600 $\pm$ 0.000 χ^2 /NDF: 52074.7/10

Right Out: 1.556 $\pm$ 0.000 χ^2 /NDF: 315908.9/17

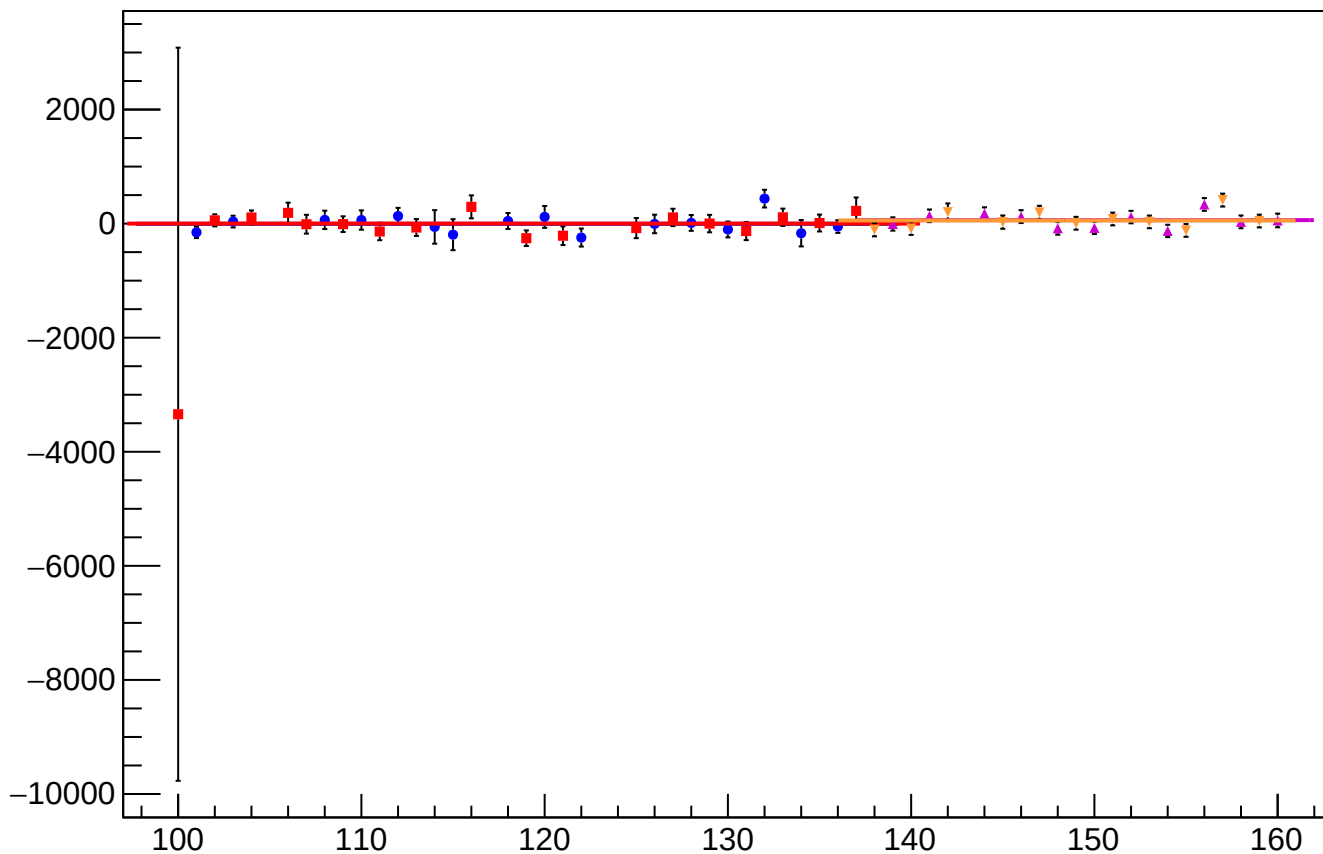
Left In: 1.698 $\pm$ 0.000 χ^2 /NDF: 97724.6/10

1.511 $\pm$ 0.000 χ^2 /NDF: 870200.0/26

1.569 $\pm$ 0.000 χ^2 /NDF: 1409742.2/55

1.631 $\pm$ 0.000 χ^2 /NDF: 465347.4/28

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 55.591 ± 34.958 χ^2/NDF : 18.6/10

Right Out: 0.172 ± 36.709 χ^2/NDF : 13.5/17

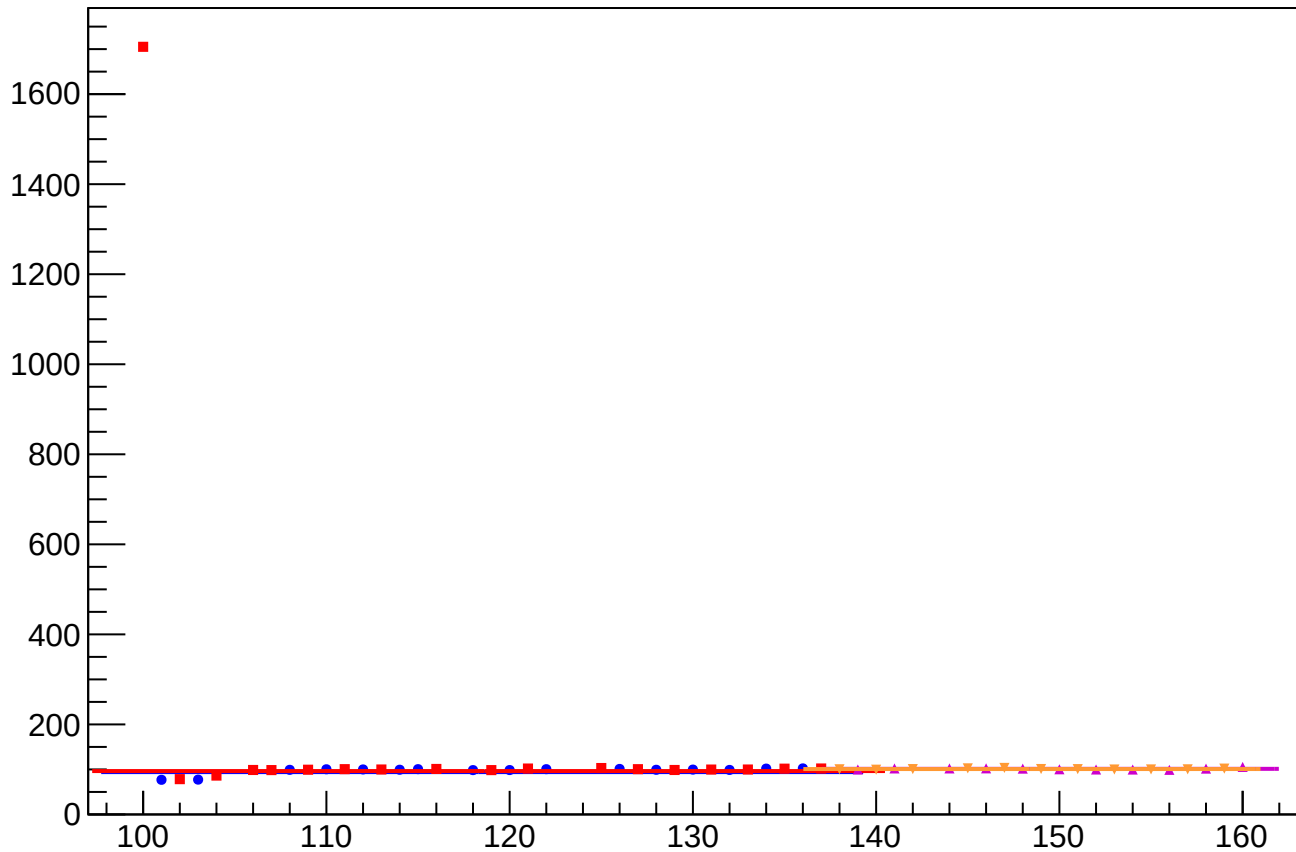
Left In: 61.180 ± 33.823 χ^2/NDF : 14.7/10

27.690 ± 25.320 χ^2/NDF : 36.2/26

30.478 ± 17.744 χ^2/NDF : 66.0/55

33.169 ± 24.874 χ^2/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: 100.867 $\pm$ 0.025 χ^2 /NDF: 2124.5/10

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

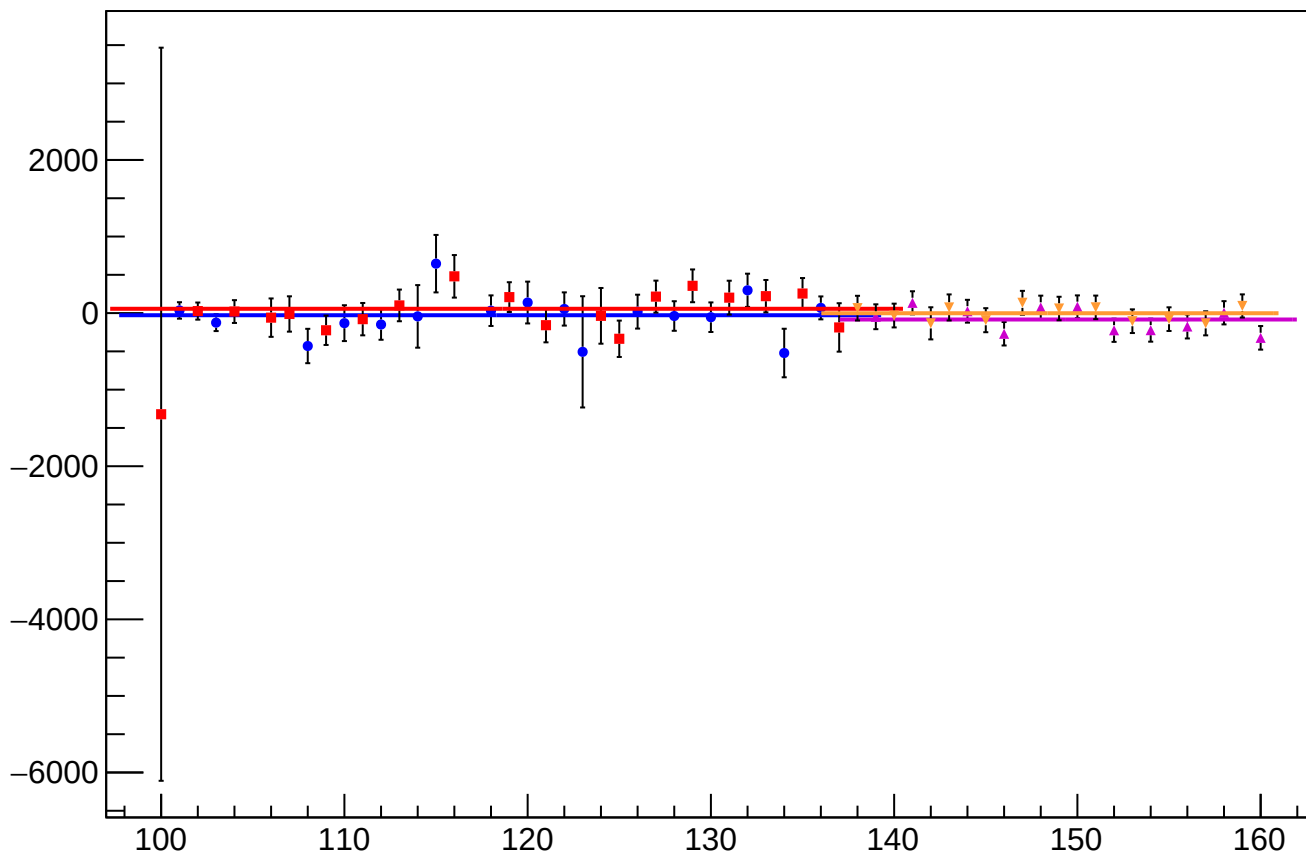
Left In: 101.318 $\pm$ 0.024 χ^2 /NDF: 5074.1/10

97.647 $\pm$ 0.018 χ^2 /NDF: 190137.9/26

98.361 $\pm$ 0.013 χ^2 /NDF: 432272.9/55

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: -1.855 ± 46.035 χ^2/NDF : 4.1/11

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

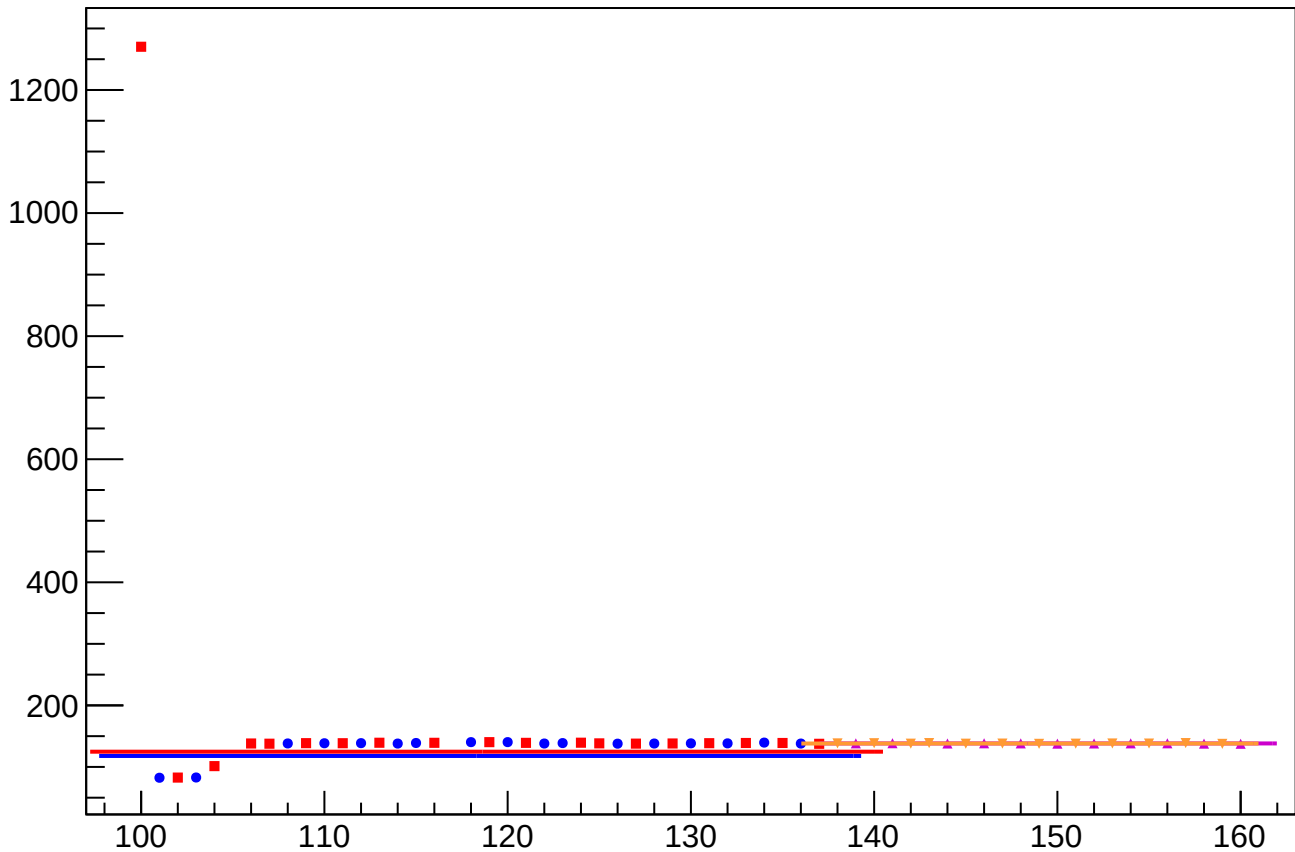
Left In: -83.792 ± 46.054 χ^2/NDF : 11.3/10

-14.640 ± 32.811 χ^2/NDF : 18.6/28

-15.397 ± 23.314 χ^2/NDF : 49.2/58

-16.170 ± 33.134 χ^2/NDF : 30.6/29

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.041+/-0.033 χ^2/NDF : 165.9/11

Right Out: 124.763+/-0.034 χ^2/NDF : 569771.6/18

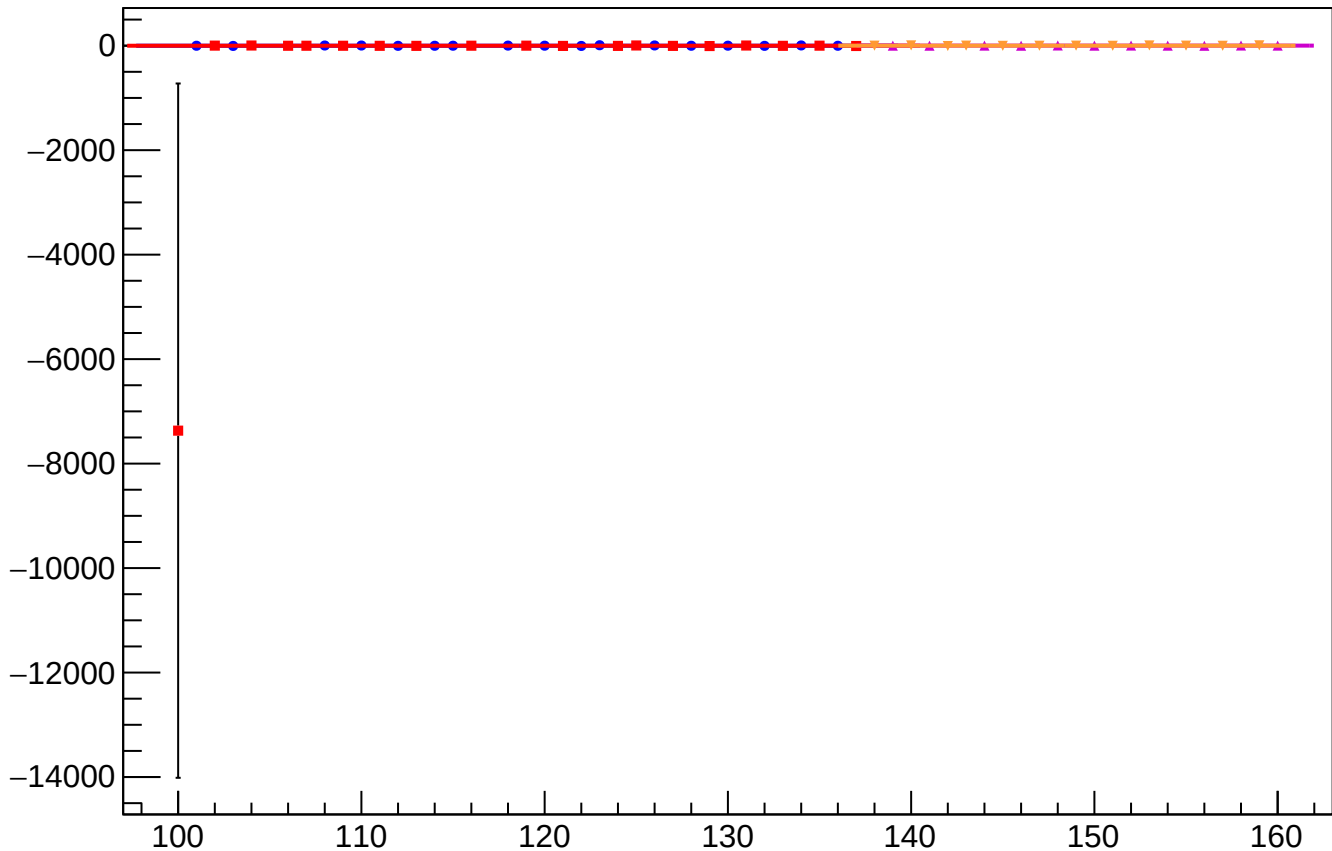
Left In: 138.172+/-0.033 χ^2/NDF : 66.8/10

128.090+/-0.023 χ^2/NDF : 856701.3/28

129.879+/-0.016 χ^2/NDF : 1520337.7/58

131.704+/-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: 0.841 $\pm$ 0.783 χ^2/NDF : 17.6/11

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

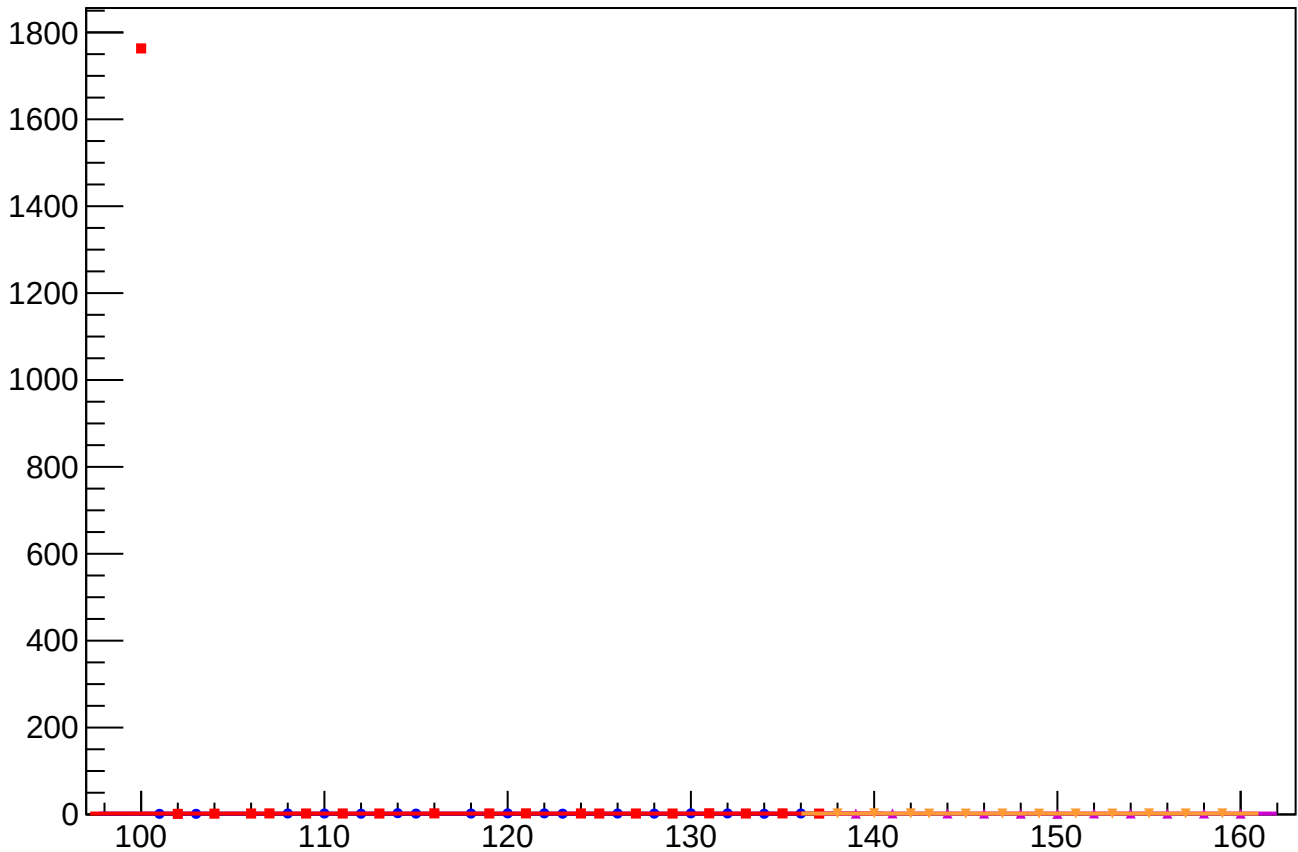
Left In: 1.428 $\pm$ 0.775 χ^2/NDF : 4.2/10

0.099 $\pm$ 0.563 χ^2/NDF : 32.1/28

0.289 $\pm$ 0.402 χ^2/NDF : 53.4/58

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: 2.145 $\pm$ 0.001 χ^2 /NDF:170740.8/11

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

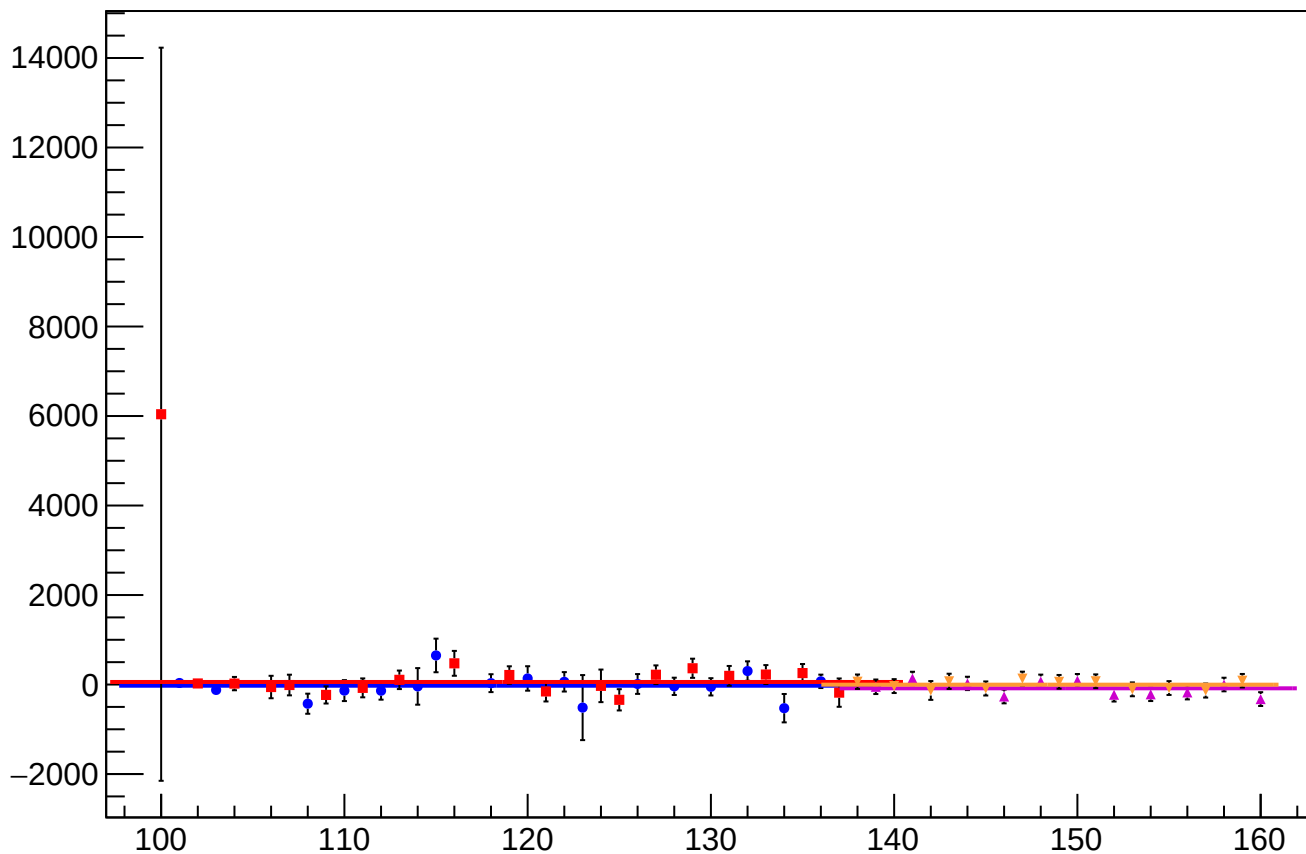
Left In: 2.088 $\pm$ 0.001 χ^2 /NDF:271314.2/10

2.012 $\pm$ 0.000 χ^2 /NDF: 783516.9/28

2.044 $\pm$ 0.000 χ^2 /NDF: 1594485.7/58

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: -3.126 ± 46.047 χ^2/NDF : 4.0/11

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

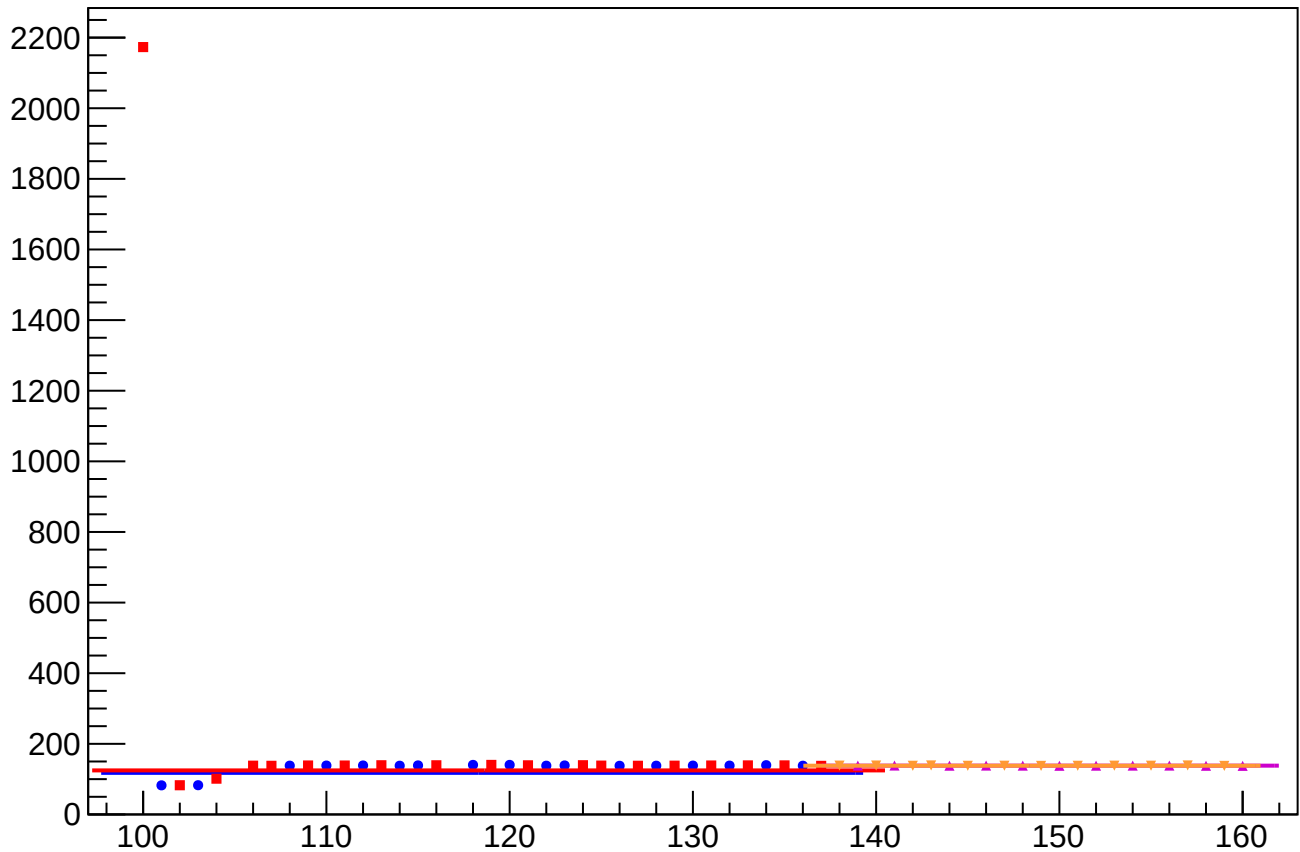
Left In: -84.403 ± 46.066 χ^2/NDF : 11.2/10

-14.507 ± 32.820 χ^2/NDF : 18.5/28

-15.281 ± 23.321 χ^2/NDF : 49.8/58

-16.069 ± 33.144 χ^2/NDF : 31.3/29

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.077+/-0.033 χ^2/NDF : 165.4/11

Right Out: 124.752+/-0.034 χ^2/NDF : 580350.4/18

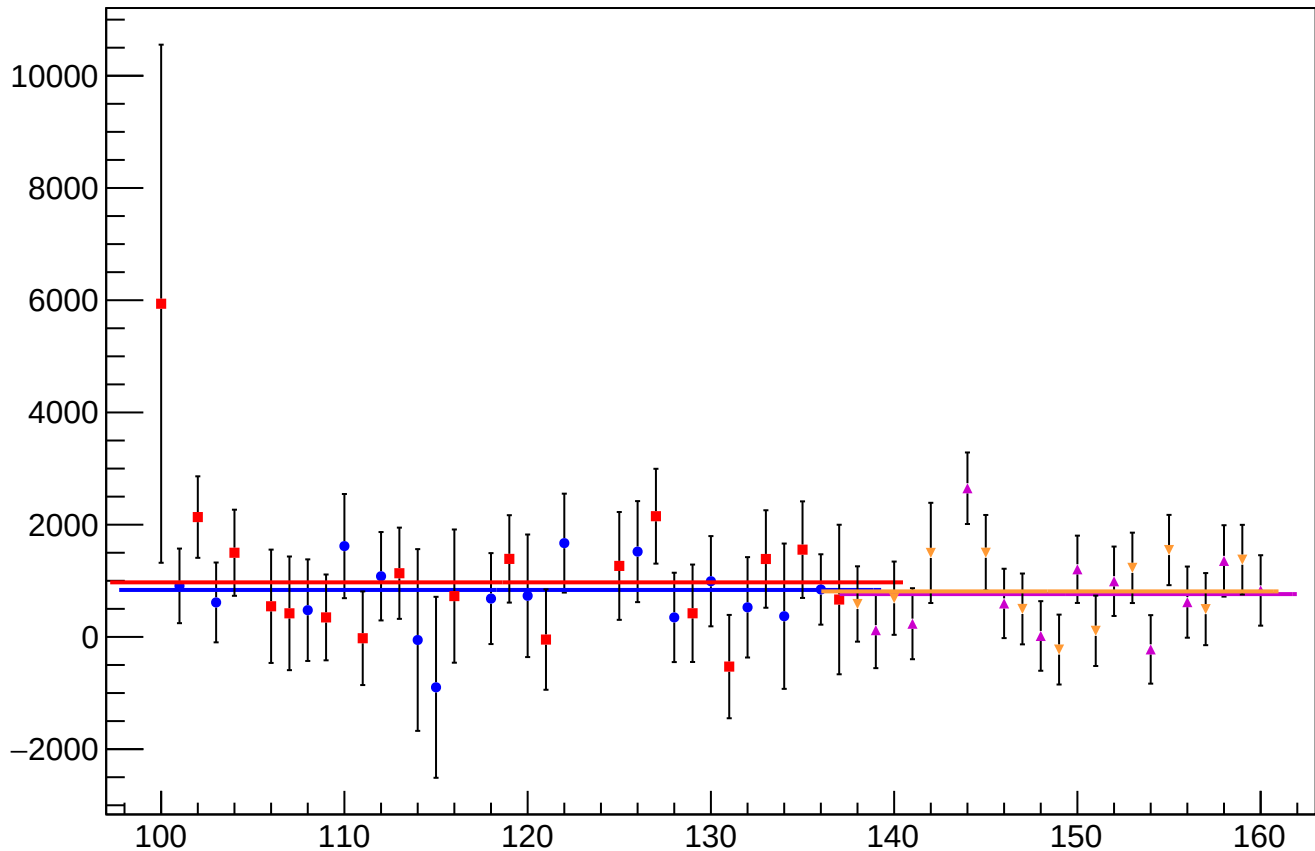
Left In: 138.209+/-0.033 χ^2/NDF : 66.9/10

128.124+/-0.023 χ^2/NDF : 856715.5/28

129.903+/-0.016 χ^2/NDF : 1531326.7/58

131.718+/-0.023 χ^2/NDF : 662732.2/29

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 811.414 $\pm$ 196.985 χ^2 /NDF: 9.0/10

Right Out: 972.425 $\pm$ 212.746 χ^2 /NDF: 14.3/17

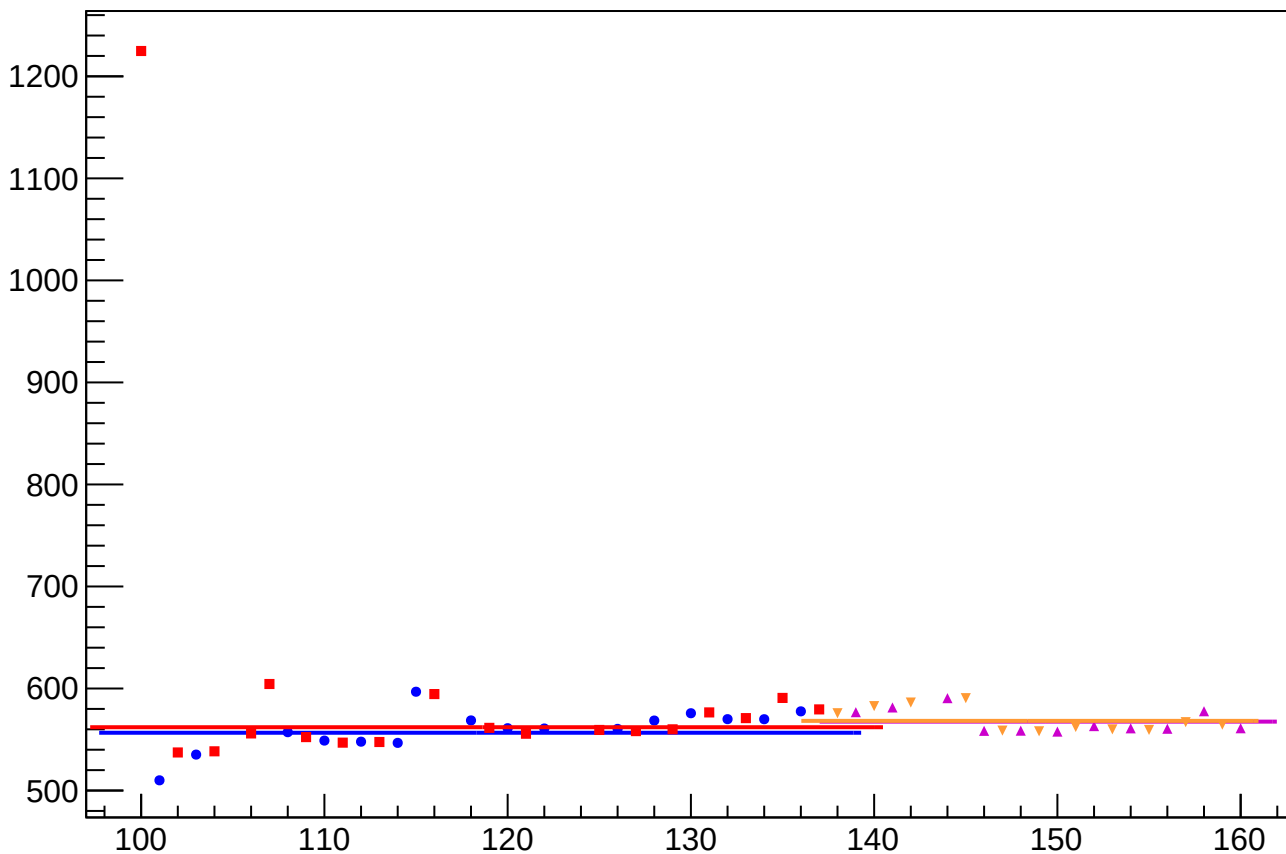
Left In: 763.081 $\pm$ 189.189 χ^2 /NDF: 16.1/10

823.042 $\pm$ 145.604 χ^2 /NDF: 13.7/26

839.762 $\pm$ 101.429 χ^2 /NDF: 44.6/55

855.525 $\pm$ 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: 568.278 ± 0.139 χ^2/NDF : 6235.4/10

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

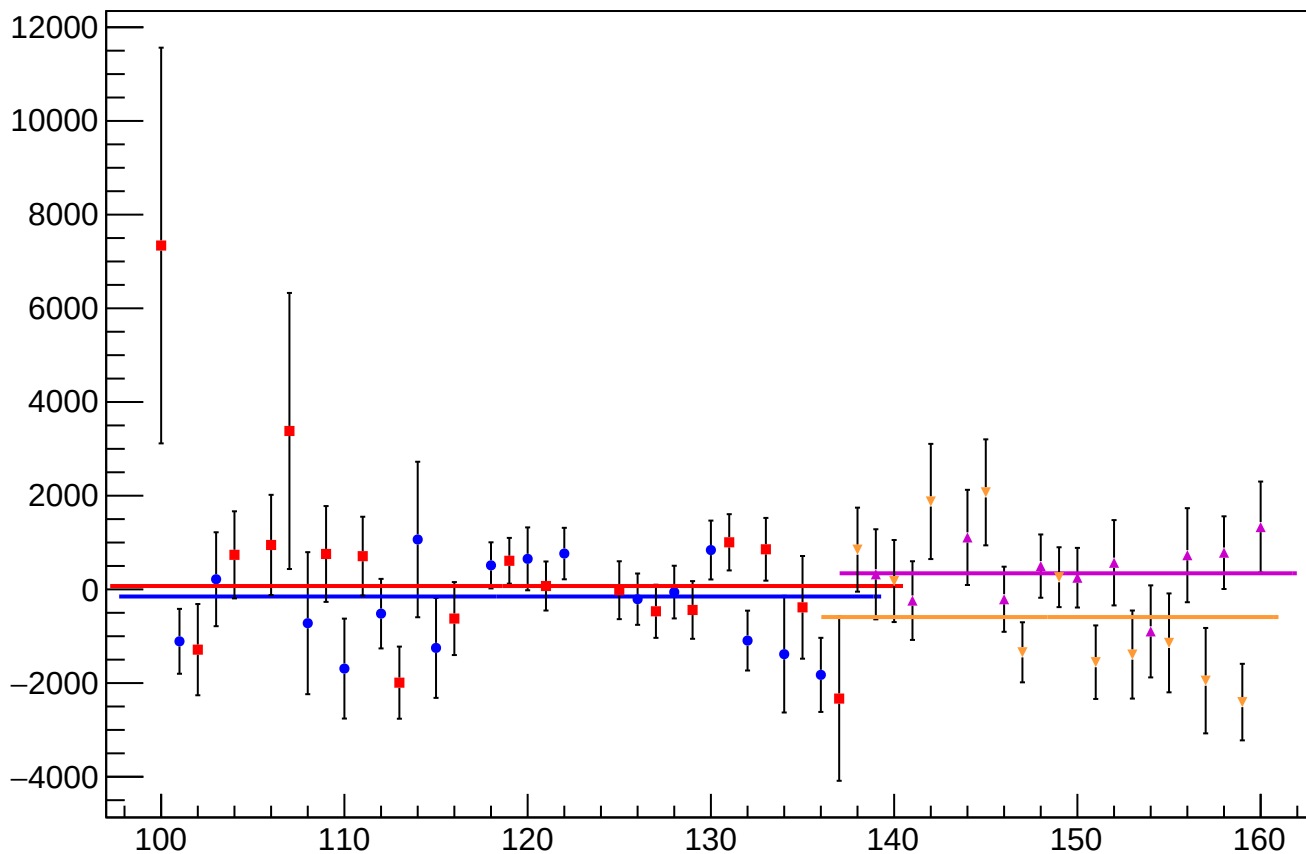
Left In: 567.540 ± 0.134 χ^2/NDF : 6607.3/10

562.997 ± 0.103 χ^2/NDF : 27795.3/26

564.087 ± 0.072 χ^2/NDF : 90939.9/55

565.115 ± 0.100 χ^2/NDF : 62926.9/28

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -590.656 ± 259.854 $\chi^2/\text{NDF}: 25.0/10$

Right Out: 71.760 ± 178.665 $\chi^2/\text{NDF}: 25.0/17$

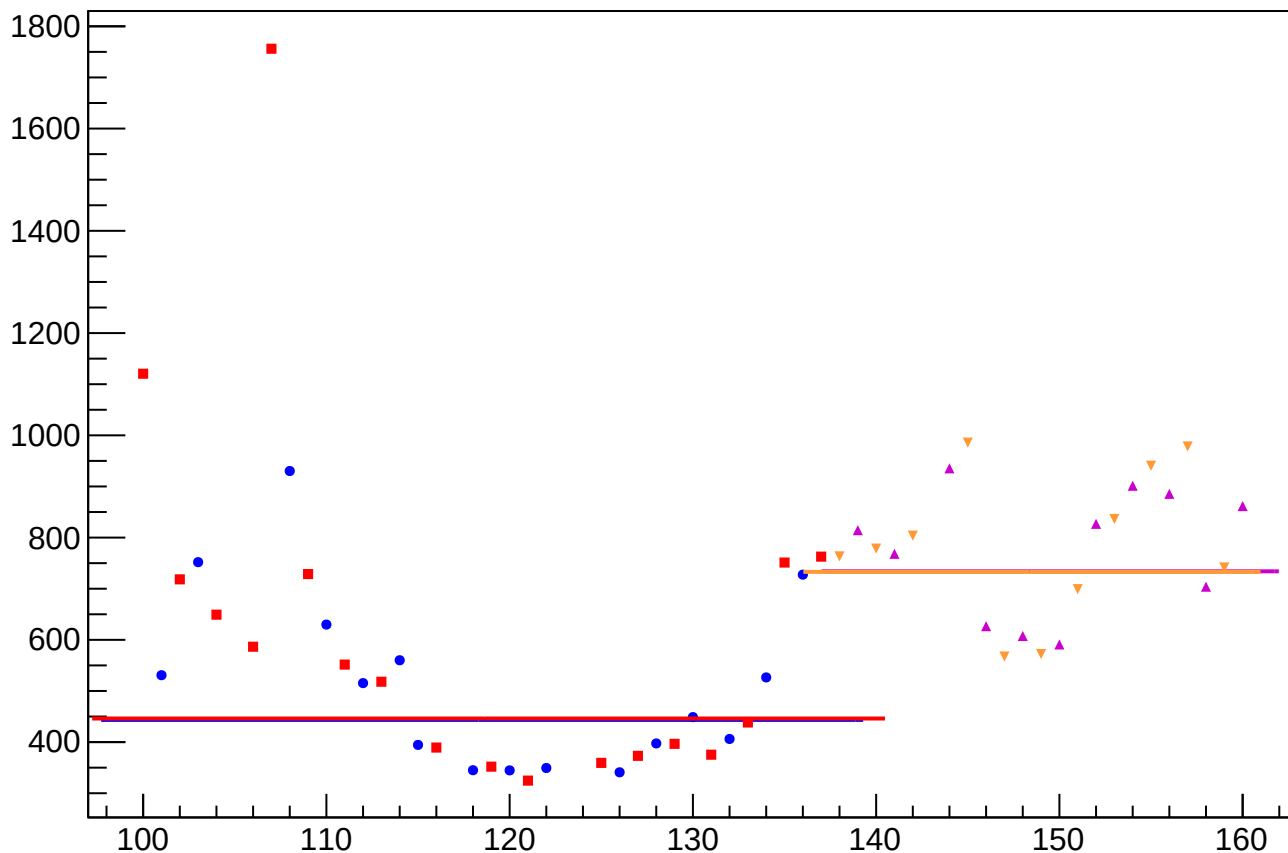
Left In: 343.293 ± 248.818 $\chi^2/\text{NDF}: 4.9/10$

-294.232 ± 148.011 $\chi^2/\text{NDF}: 49.2/26$

-60.539 ± 103.625 $\chi^2/\text{NDF}: 84.8/55$

164.135 ± 145.127 $\chi^2/\text{NDF}: 30.7/28$

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 732.969 $\pm$ 0.184 χ^2/NDF : 574537.2/10

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

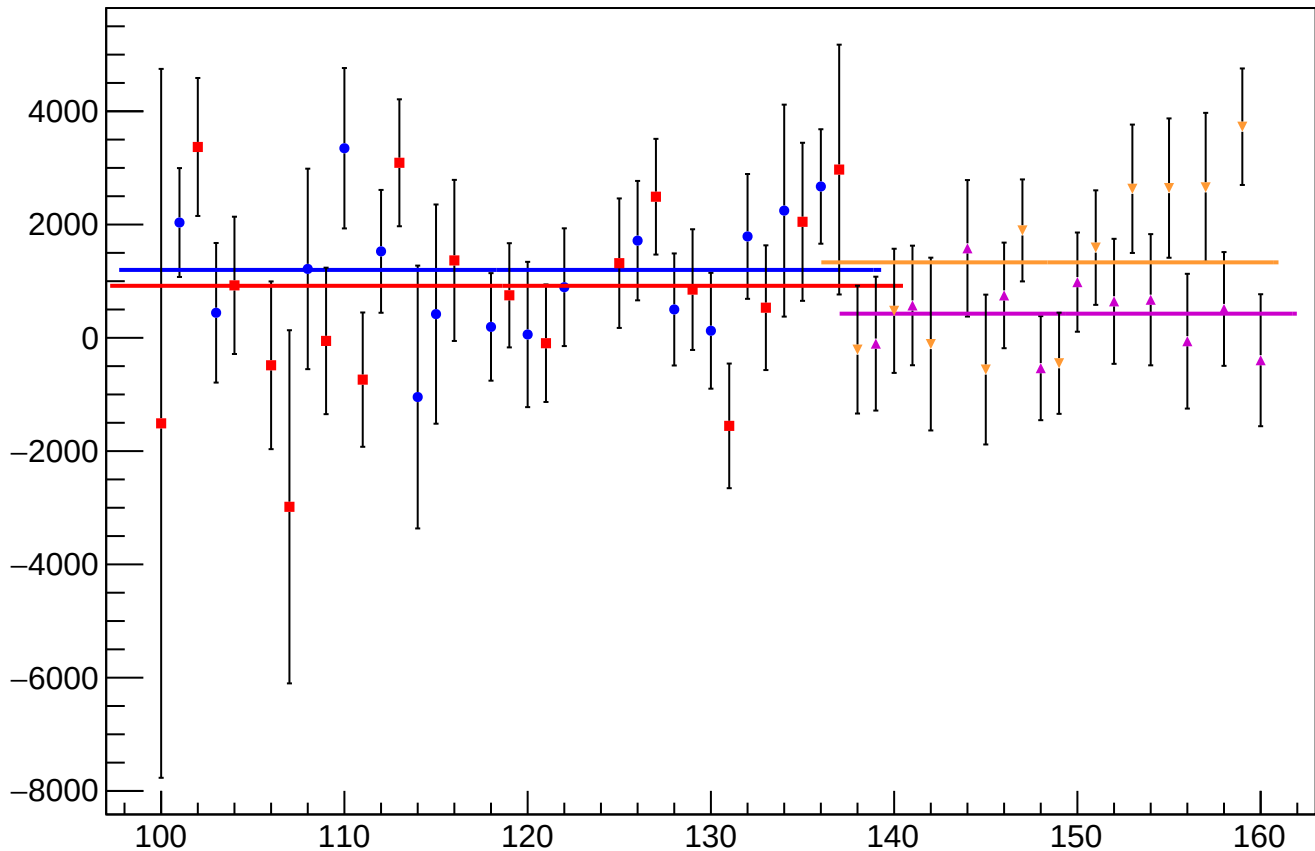
Left In: 734.013 $\pm$ 0.176 χ^2/NDF : 476630.7/10

537.381 $\pm$ 0.105 χ^2/NDF : 3312686.7/26

540.795 $\pm$ 0.073 χ^2/NDF : 7017678.1/55

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

asym_left_avg_mean vs Slug, Sign Corrected



Right In: 1198.972 $\pm$ 295.243 χ^2/NDF : 11.2/15

Left Out: 1332.434 $\pm$ 332.442 χ^2/NDF : 18.7/10

Right Out: 918.412 $\pm$ 293.294 χ^2/NDF : 23.2/17

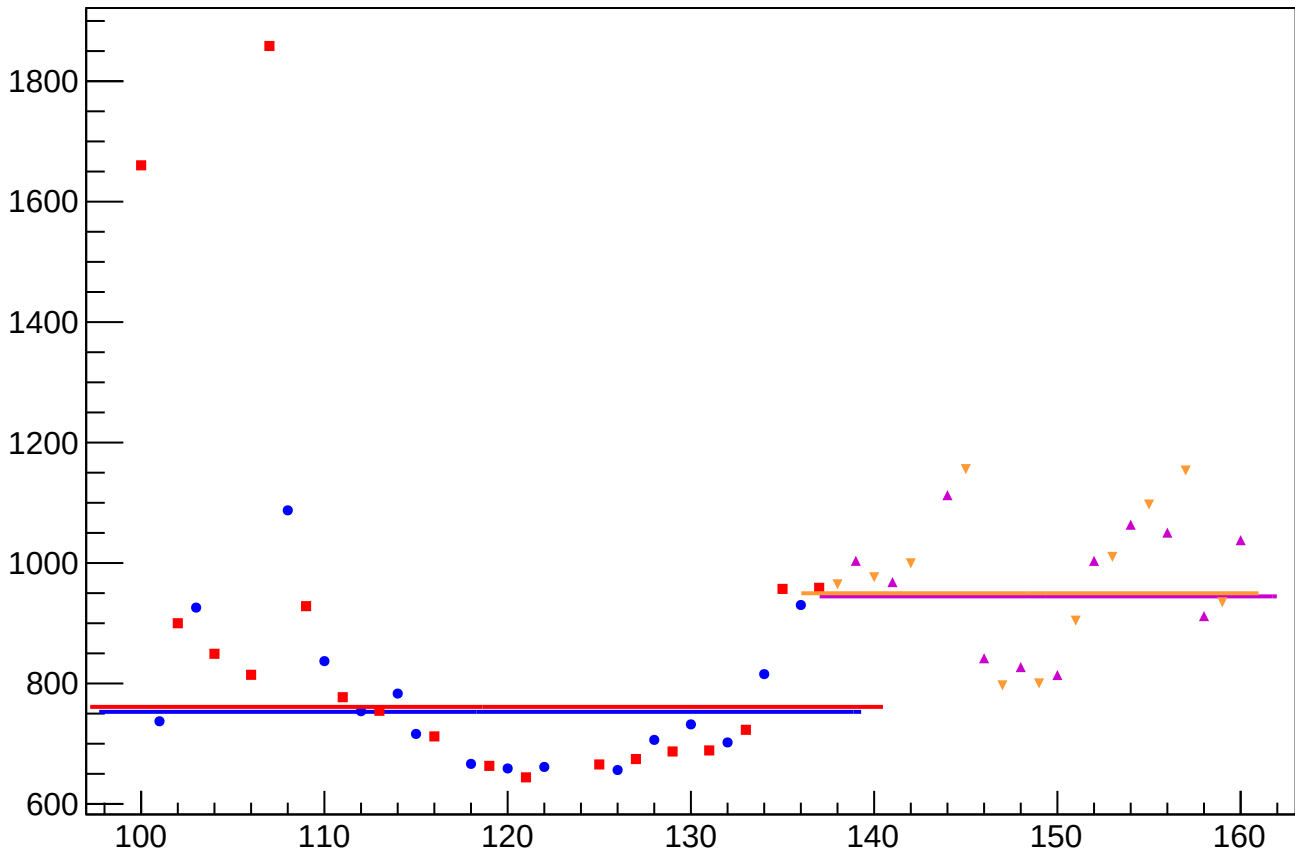
Left In: 426.463 $\pm$ 317.127 χ^2/NDF : 3.5/10

1257.821 $\pm$ 220.753 χ^2/NDF : 30.0/26

967.669 $\pm$ 154.141 χ^2/NDF : 61.4/55

691.616 $\pm$ 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: 949.794 $\pm$ 0.235 χ^2 /NDF: 252952.3/10

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

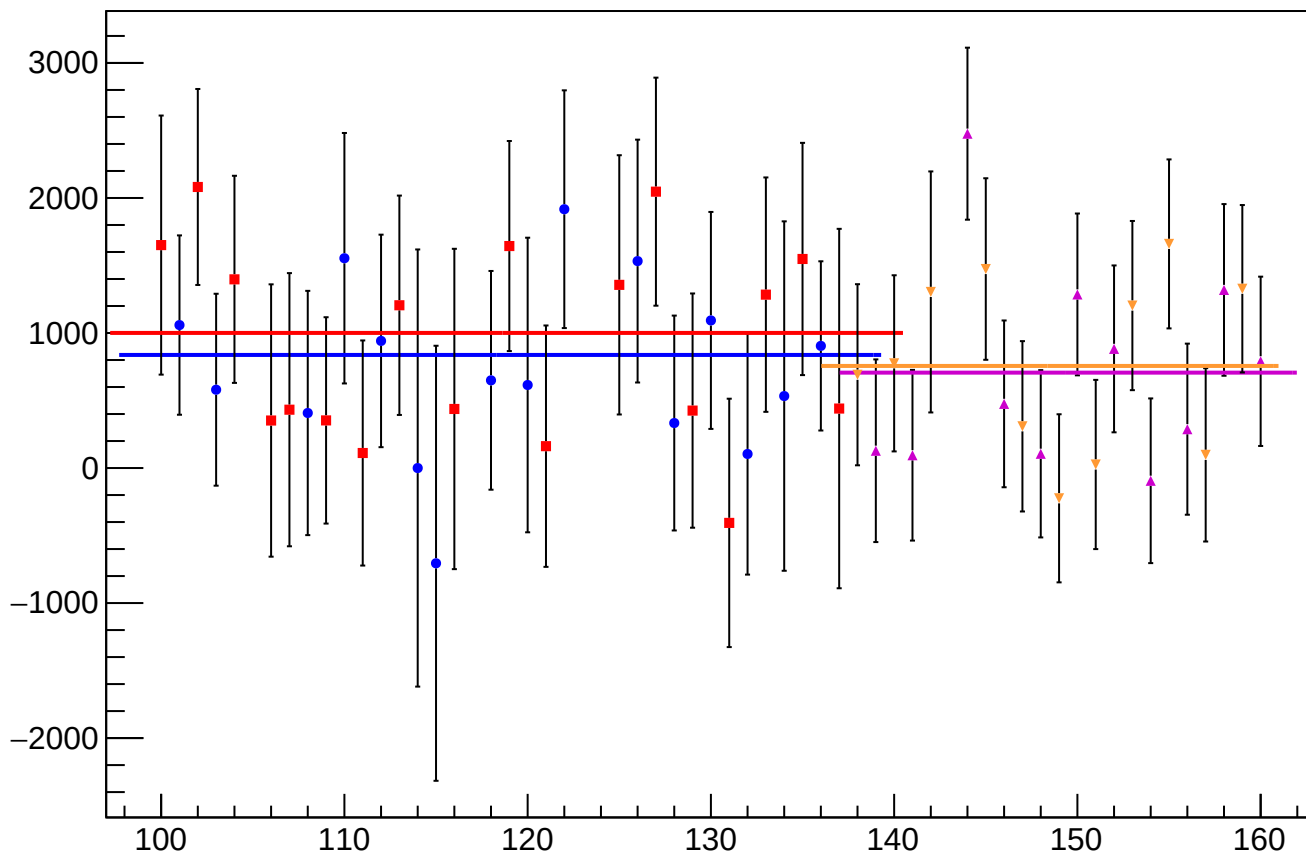
Left In: 944.616 $\pm$ 0.224 χ^2 /NDF: 203981.3/10

839.740 $\pm$ 0.156 χ^2 /NDF: 897541.2/26

842.813 $\pm$ 0.109 χ^2 /NDF: 1980162.1/55

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 $\chi^2/\text{NDF}: 5.7/15$

Left Out: 756.087 ± 196.822 $\chi^2/\text{NDF}: 10.4/10$

Right Out: 1000.617 ± 207.748 $\chi^2/\text{NDF}: 12.5/17$

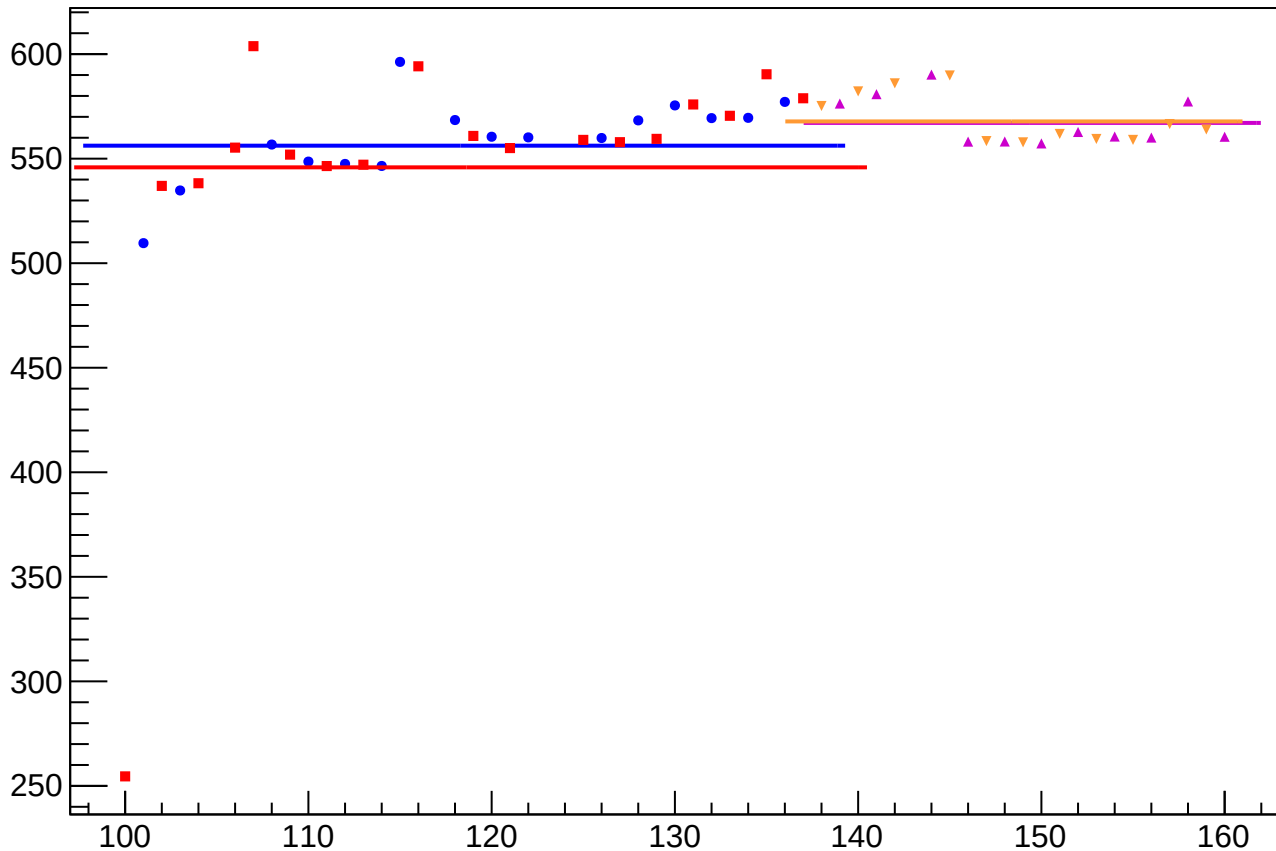
Left In: 706.484 ± 189.042 $\chi^2/\text{NDF}: 14.6/10$

793.042 ± 145.488 $\chi^2/\text{NDF}: 16.1/26$

817.306 ± 100.811 $\chi^2/\text{NDF}: 44.4/55$

839.715 ± 139.819 $\chi^2/\text{NDF}: 28.2/28$

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 567.809 $\pm$ 0.139 χ^2 /NDF: 6170.0/10

Right Out: 545.844 $\pm$ 0.147 χ^2 /NDF: 207640.3/17

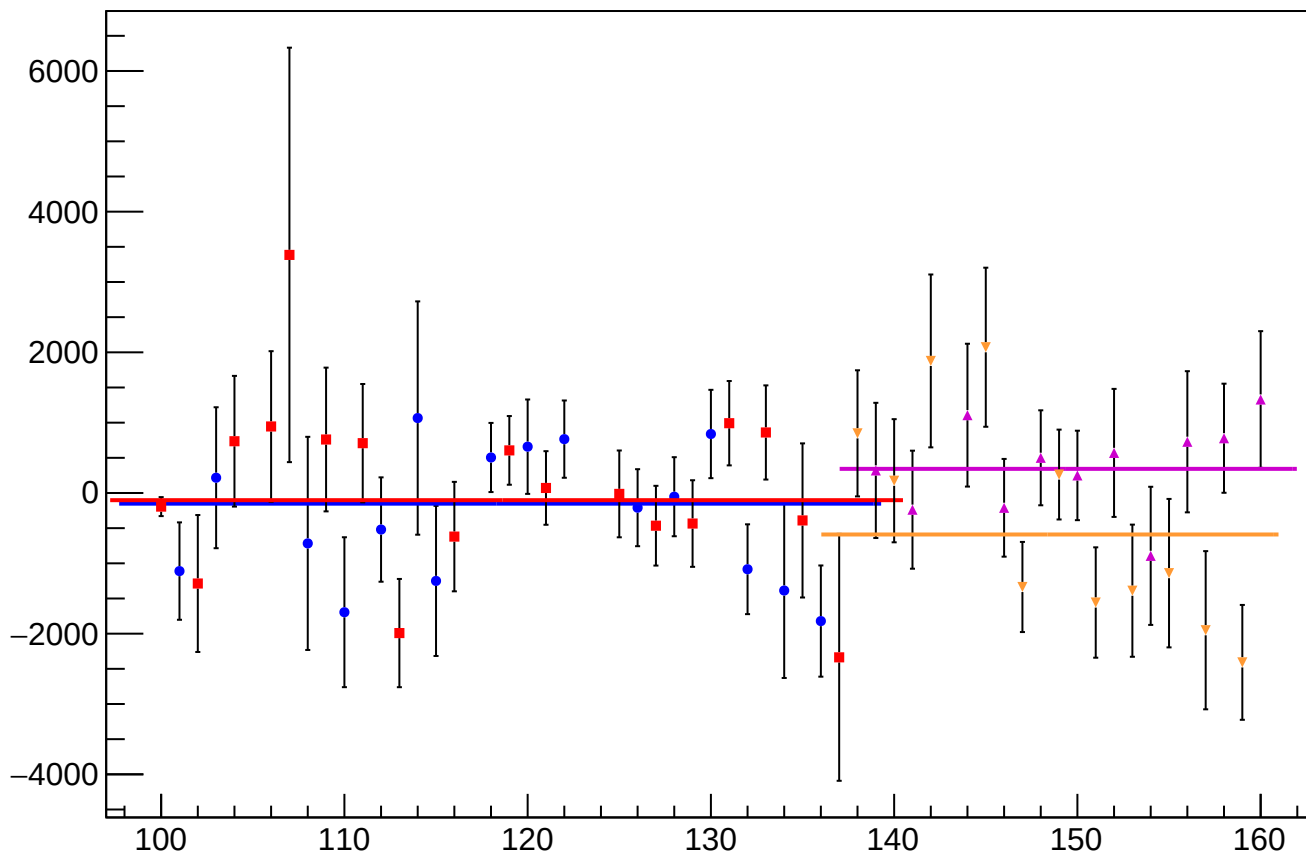
Left In: 567.099 $\pm$ 0.134 χ^2 /NDF: 6638.1/10

562.548 $\pm$ 0.103 χ^2 /NDF: 27738.1/26

559.909 $\pm$ 0.071 χ^2 /NDF: 254733.9/55

557.471 $\pm$ 0.099 χ^2 /NDF: 225729.9/28

asym_left_dd_correction_mean vs Slug, Sign Corrected



Right In: -151.459 $\pm$ 179.991 χ^2/NDF : 22.3/15

Left Out: -589.915 $\pm$ 259.729 χ^2/NDF : 25.0/10

Right Out: -102.079 $\pm$ 107.707 χ^2/NDF : 23.2/17

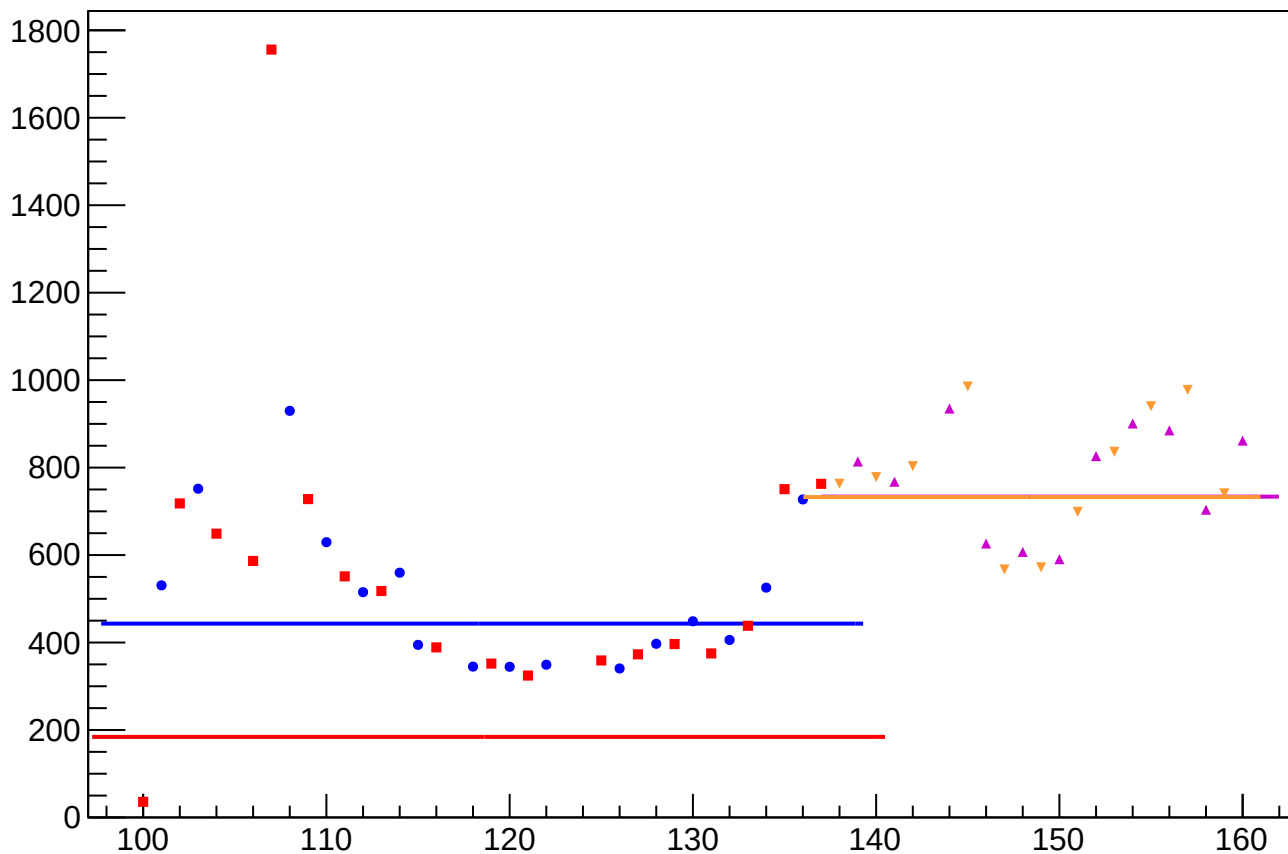
Left In: 343.243 $\pm$ 248.696 χ^2/NDF : 4.9/10

-293.709 $\pm$ 147.939 χ^2/NDF : 49.2/26

-112.587 $\pm$ 82.183 χ^2/NDF : 82.2/55

-31.745 $\pm$ 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: 732.612 +/- 0.184 χ^2/NDF : 574823.7/10

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

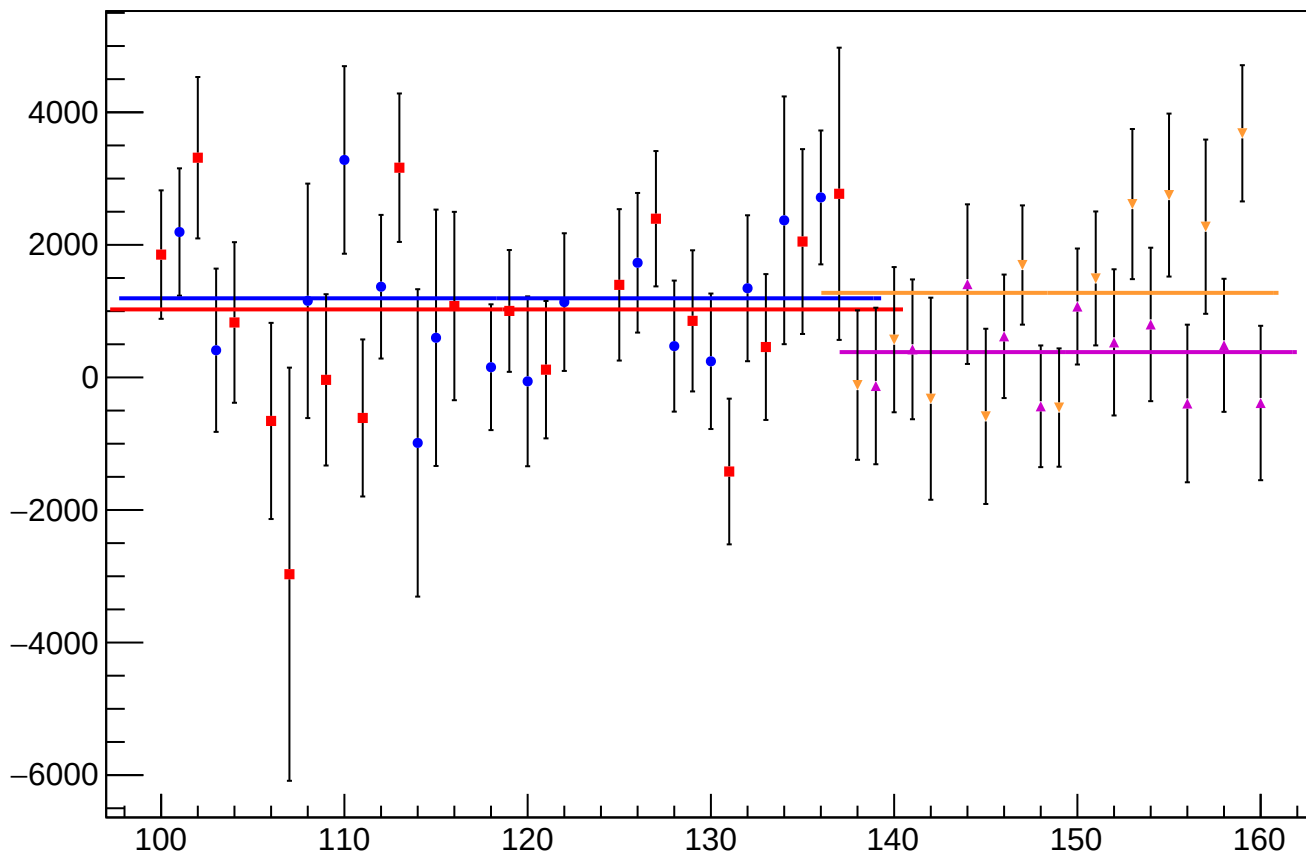
Left In: 733.653 +/- 0.176 χ^2/NDF : 476829.2/10

537.123 +/- 0.105 χ^2/NDF : 3312753.7/26

353.121 +/- 0.058 χ^2/NDF : 24564180.3/55

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: 1275.937 $\pm$ 332.248 χ^2/NDF : 17.9/10

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

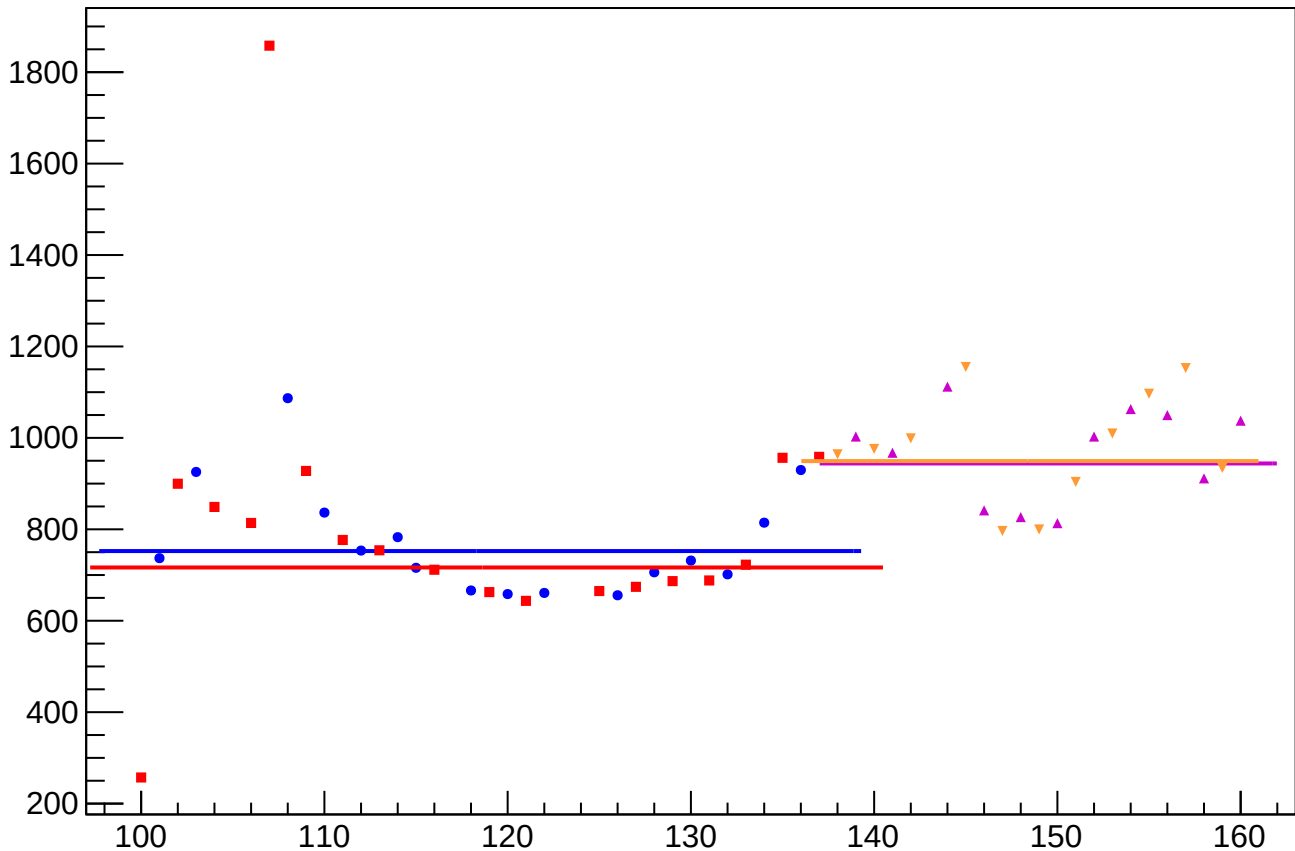
Left In: 382.055 $\pm$ 316.937 χ^2/NDF : 3.4/10

1230.042 $\pm$ 220.614 χ^2/NDF : 29.2/26

974.666 $\pm$ 152.177 χ^2/NDF : 60.0/55

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: 949.242+/-0.235 χ^2/NDF : 252890.8/10

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

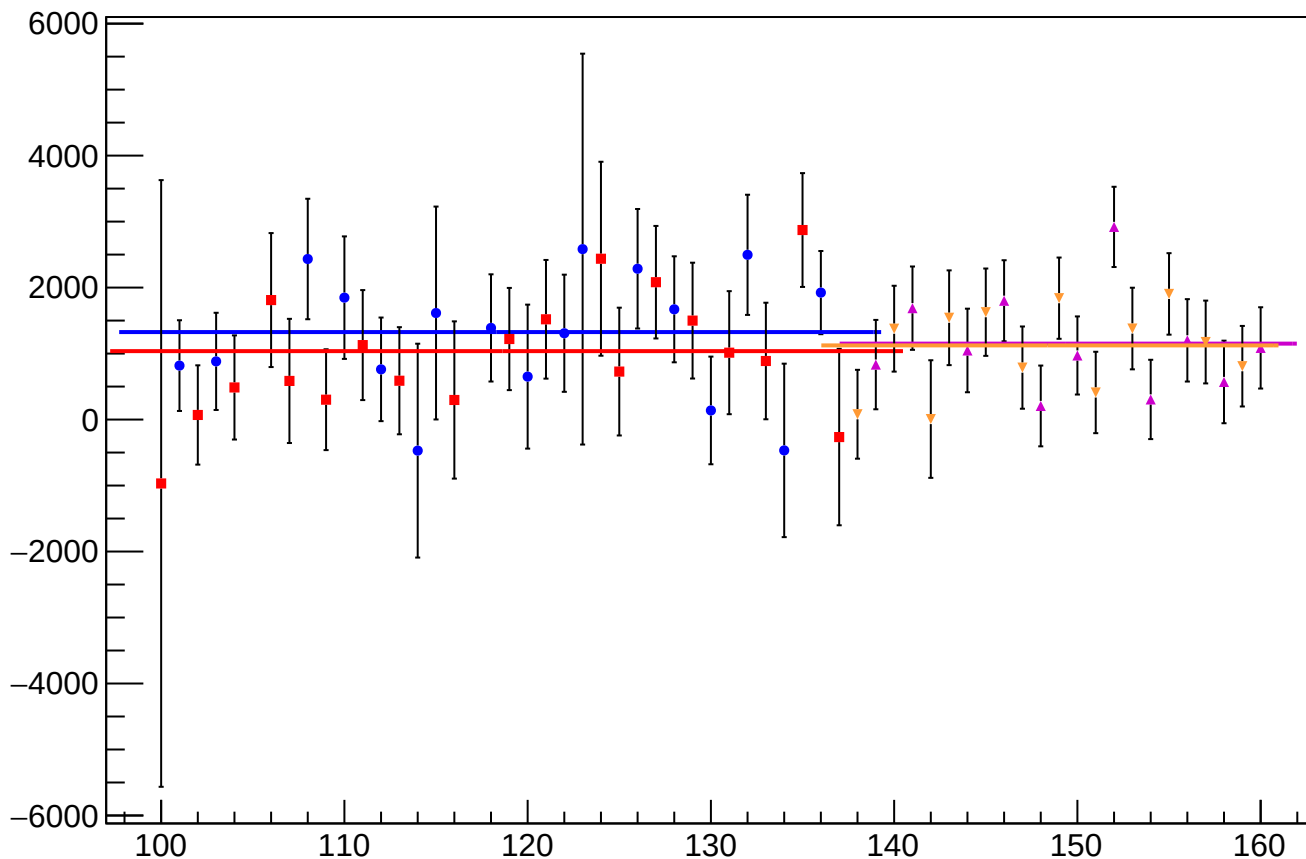
Left In: 944.049+/-0.224 χ^2/NDF : 204092.9/10

839.204+/-0.156 χ^2/NDF : 897971.5/26

827.349+/-0.108 χ^2/NDF : 2657432.6/55

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: 1123.775 $\pm$ 187.803 χ^2 /NDF: 10.1/11

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

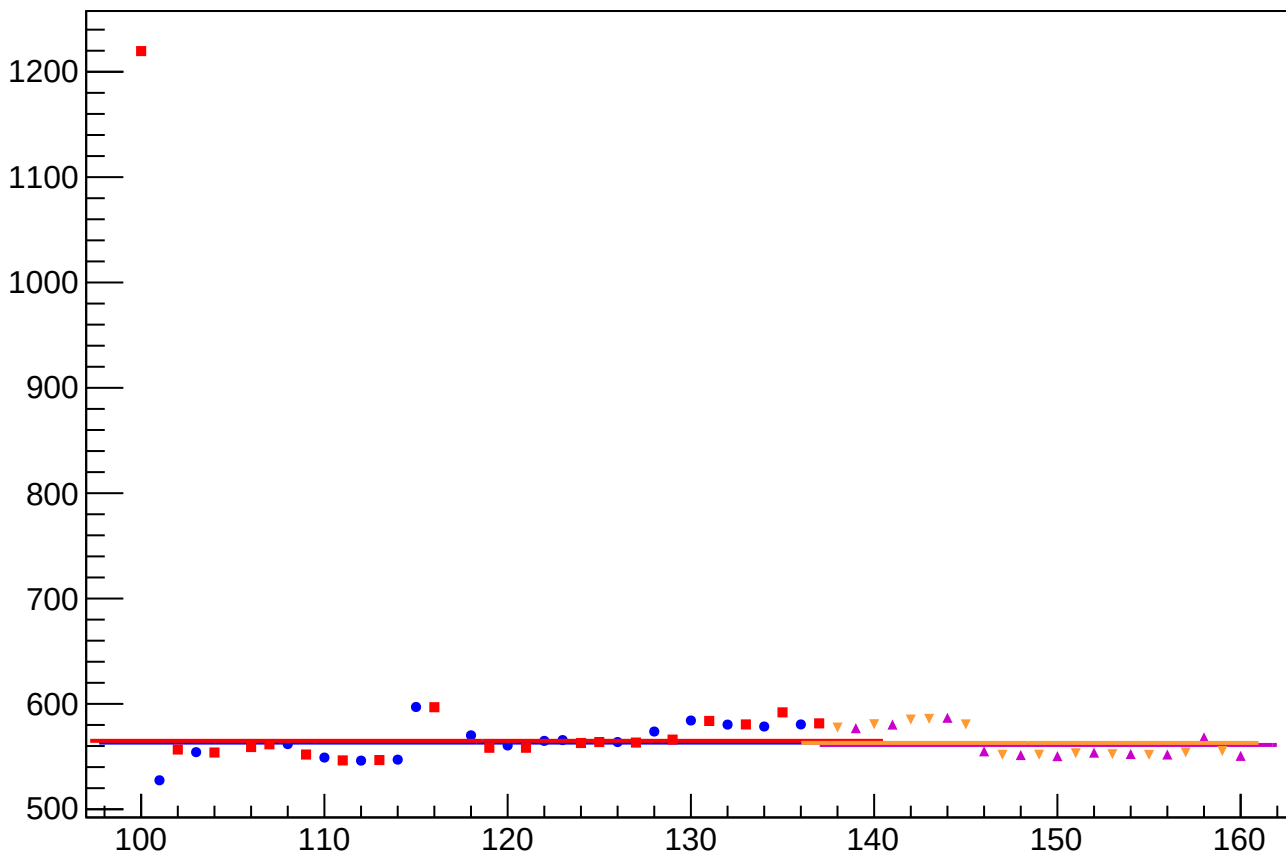
Left In: 1150.706 $\pm$ 187.034 χ^2 /NDF: 15.9/10

1209.779 $\pm$ 142.314 χ^2 /NDF: 23.4/28

1154.469 $\pm$ 99.851 χ^2 /NDF: 53.2/58

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

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 563.266 $\pm$ 0.154 χ^2 /NDF: 12520.3/16

Left Out: 562.964 $\pm$ 0.133 χ^2 /NDF:10912.3/11

Right Out: 564.944 $\pm$ 0.150 χ^2 /NDF: 49295.9/18

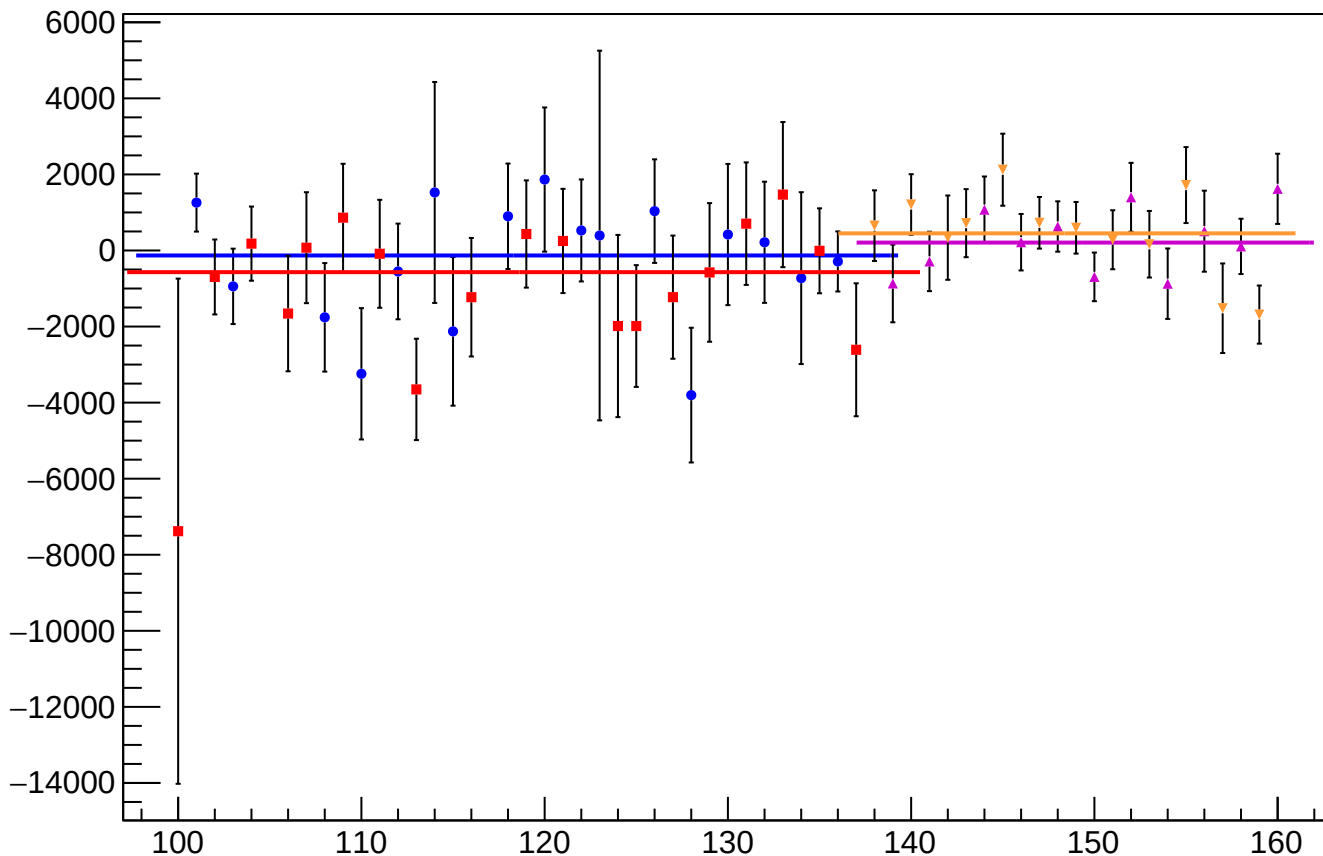
Left In: 561.030 $\pm$ 0.132 χ^2 /NDF:9585.9/10

563.092 $\pm$ 0.101 χ^2 /NDF: 23434.8/28

562.917 $\pm$ 0.071 χ^2 /NDF: 82706.9/58

562.747 $\pm$ 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: 450.582 $\pm$ 245.029 χ^2/NDF : 16.8/11

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

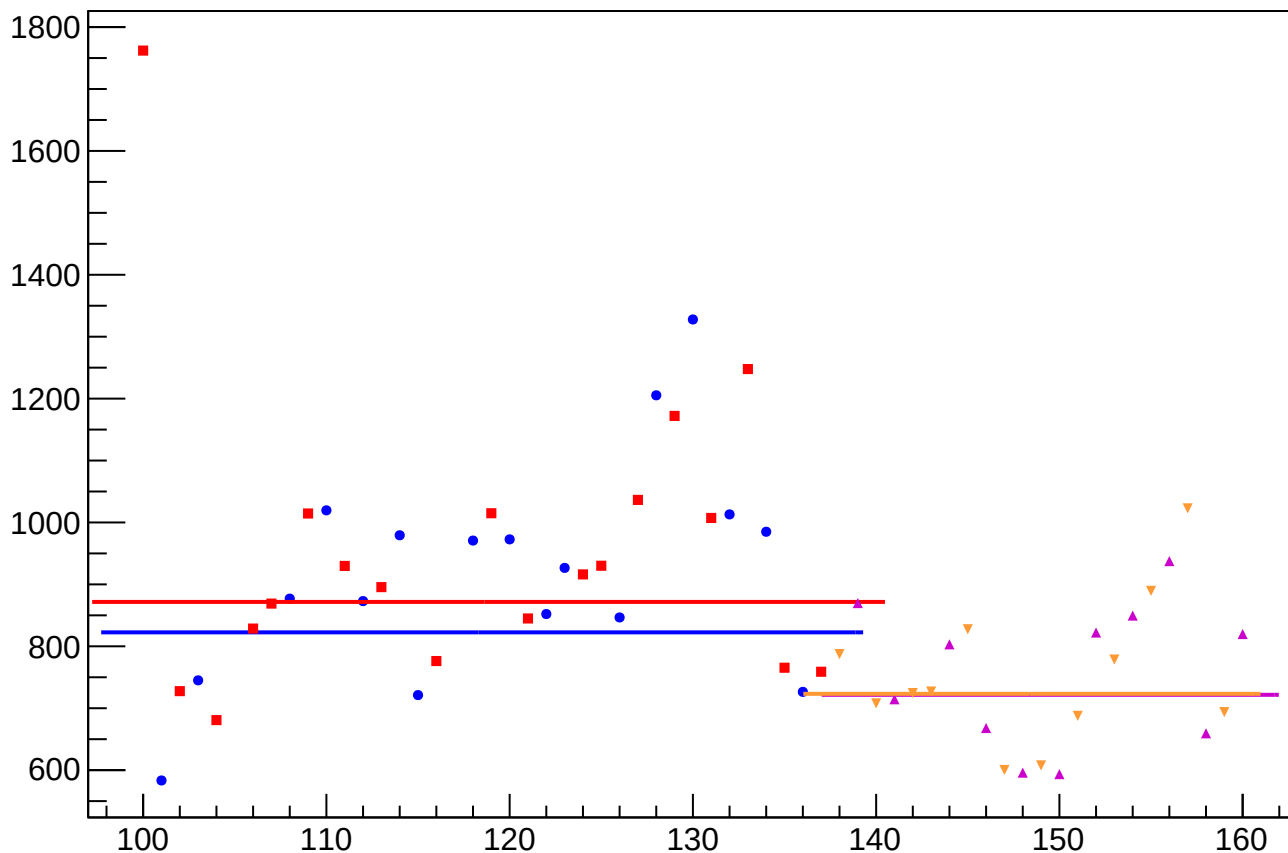
Left In: 207.703 $\pm$ 244.058 χ^2/NDF : 10.4/10

241.900 $\pm$ 196.213 χ^2/NDF : 36.0/28

89.030 $\pm$ 138.925 χ^2/NDF : 65.8/58

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

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 723.249+/-0.173 χ^2/NDF : 358277.5/11

Right Out: 871.679+/-0.235 χ^2/NDF : 406857.8/18

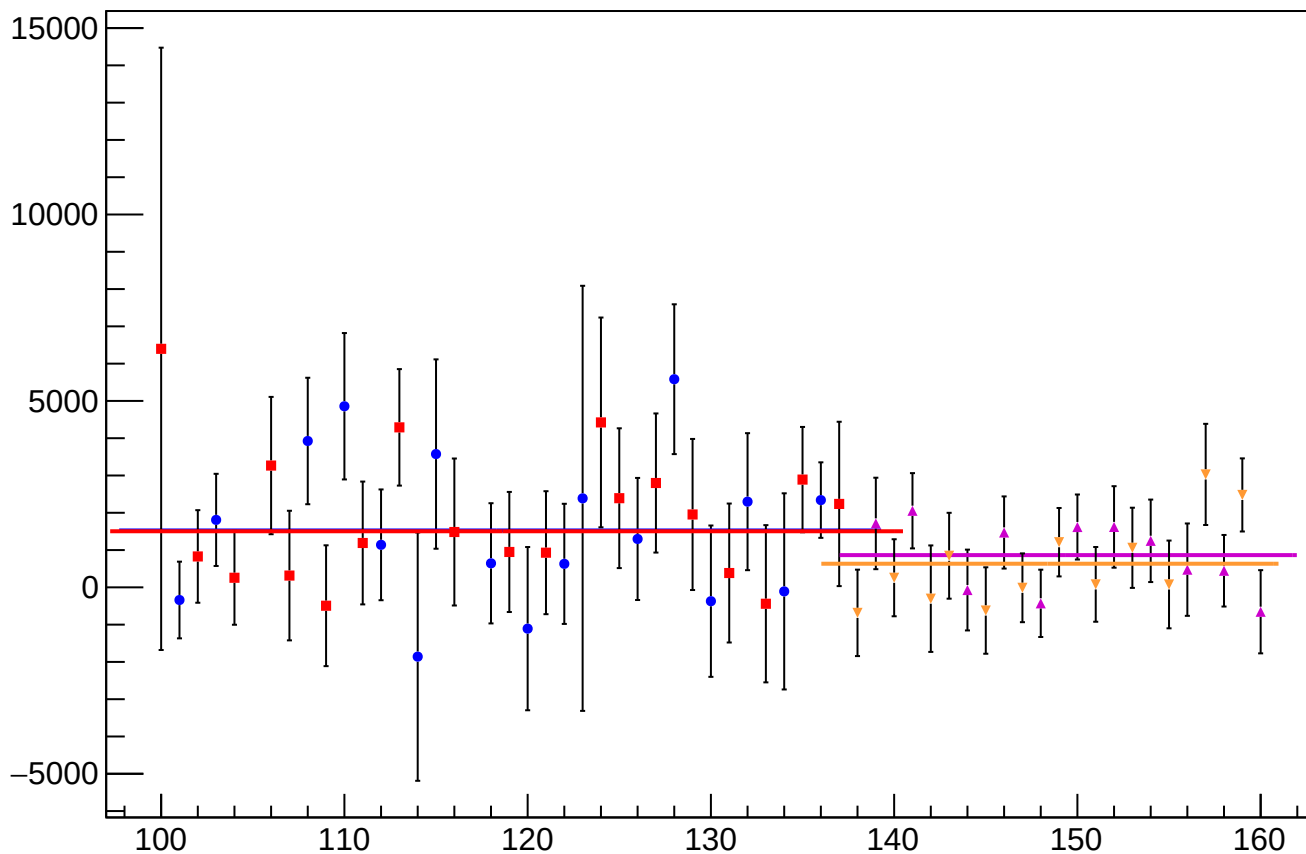
Left In: 721.650+/-0.173 χ^2/NDF : 404780.6/10

758.866+/-0.139 χ^2/NDF : 1077020.8/28

766.513+/-0.098 χ^2/NDF : 2159468.4/58

774.200+/-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: 633.433 $\pm$ 313.130 χ^2 /NDF: 11.3/11

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

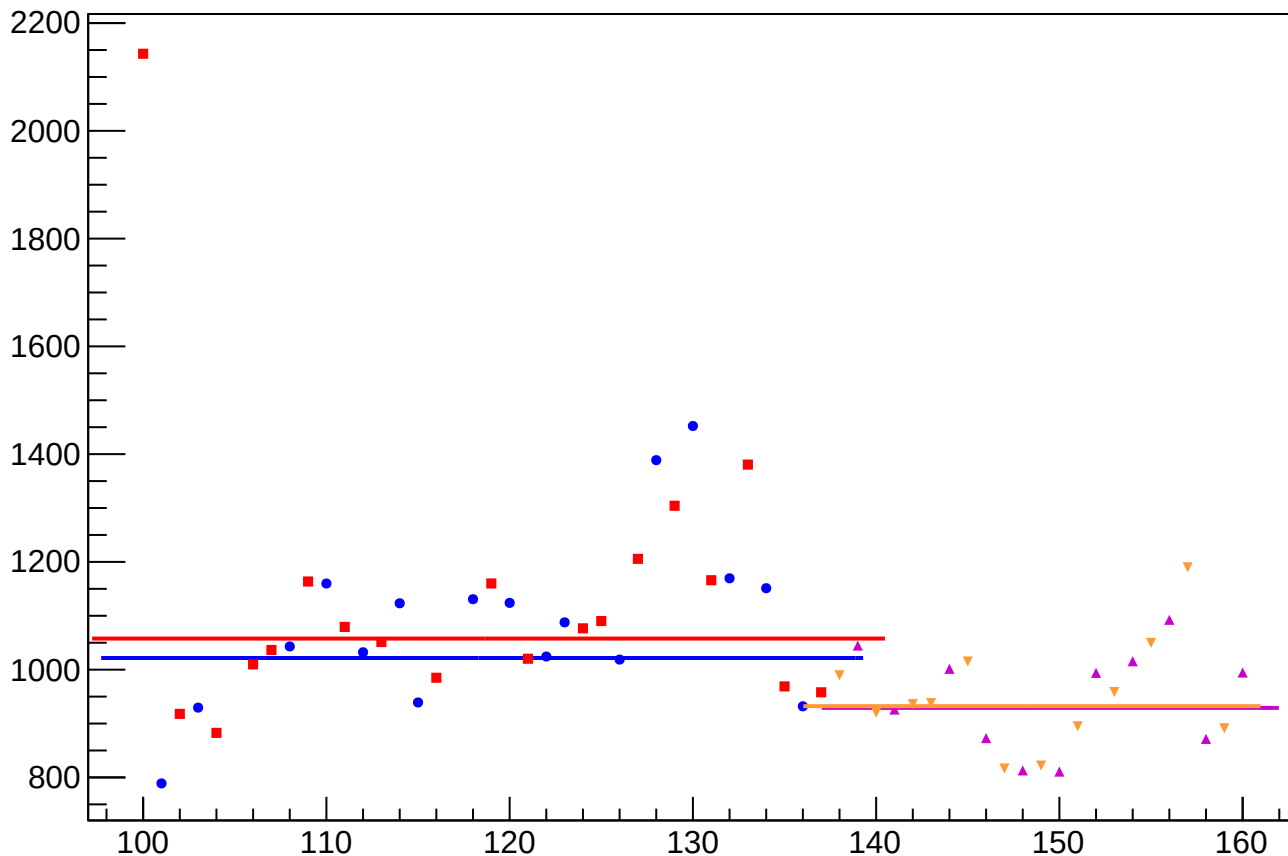
Left In: 864.727 $\pm$ 311.547 χ^2 /NDF: 8.6/10

970.509 $\pm$ 246.981 χ^2 /NDF: 32.6/28

1038.732 $\pm$ 174.216 χ^2 /NDF: 55.0/58

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: 932.246+/-0.221 χ^2/NDF : 175360.4/11

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

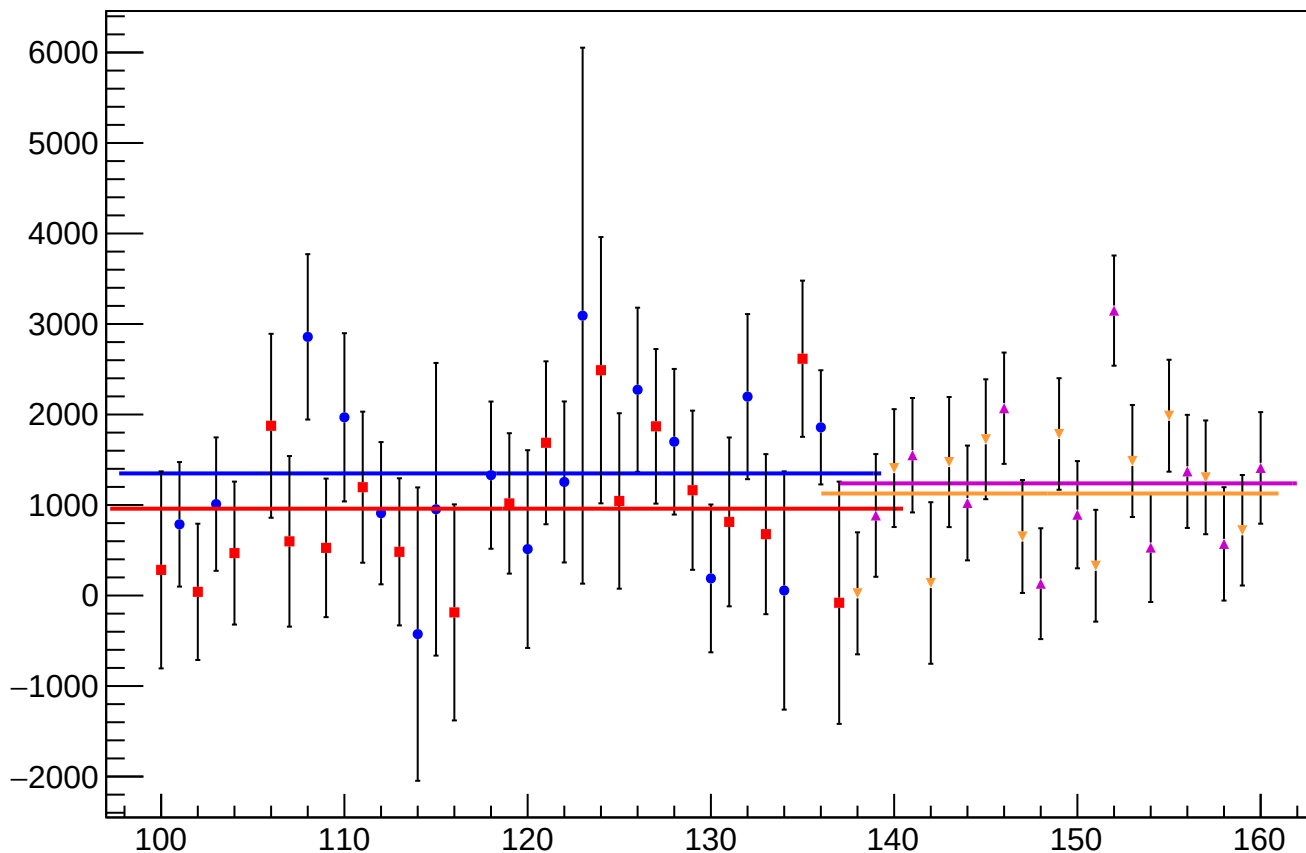
Left In: 929.047+/-0.220 χ^2/NDF : 171525.6/10

966.035+/-0.175 χ^2/NDF : 568937.8/28

971.870+/-0.123 χ^2/NDF : 1102519.4/58

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: 1127.213 $\pm$ 187.992 χ^2 /NDF: 11.3/11

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

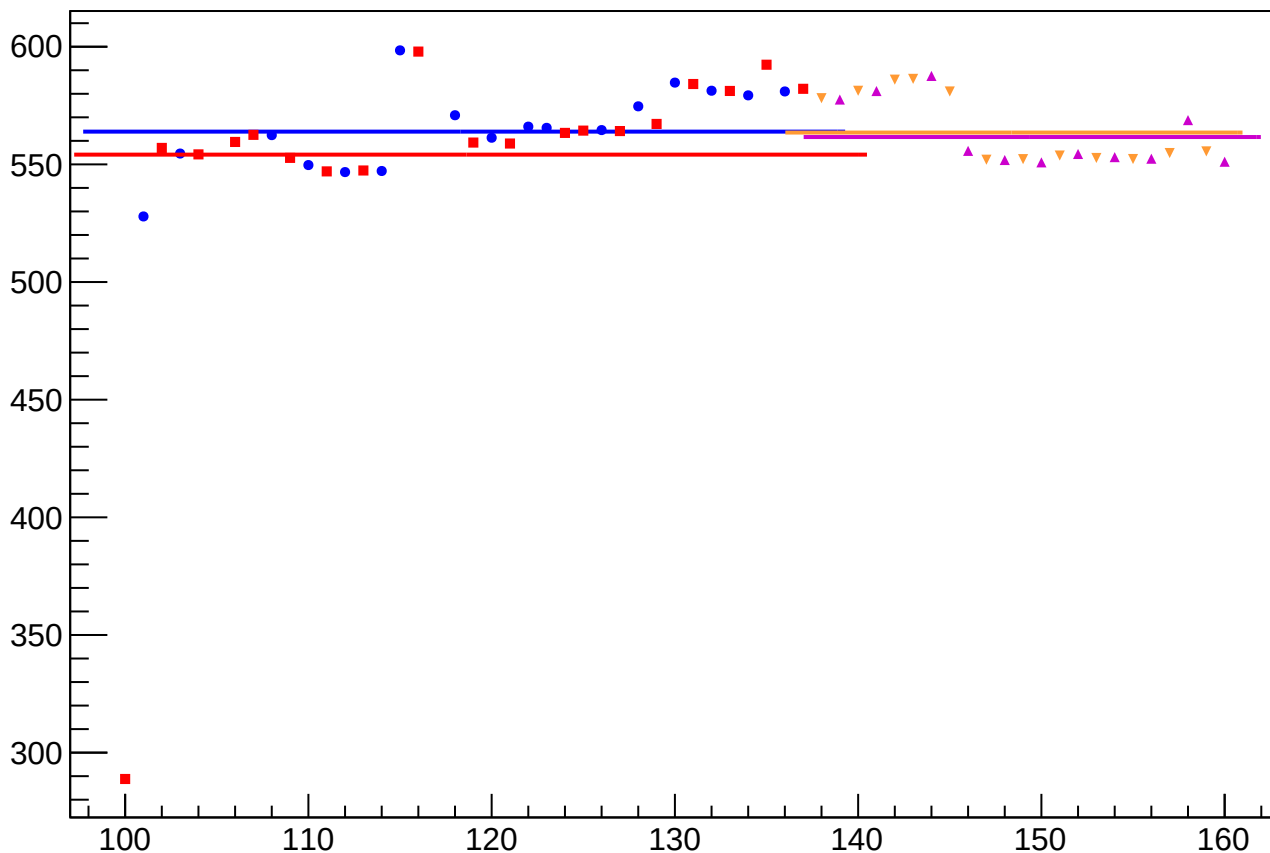
Left In: 1239.151 $\pm$ 187.233 χ^2 /NDF: 18.6/10

1221.689 $\pm$ 142.468 χ^2 /NDF: 24.2/28

1166.633 $\pm$ 99.565 χ^2 /NDF: 56.3/58

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

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 563.529+/-0.133 χ^2/NDF :10955.1/11

Right Out: 554.145+/-0.147 χ^2/NDF : 131965.1/18

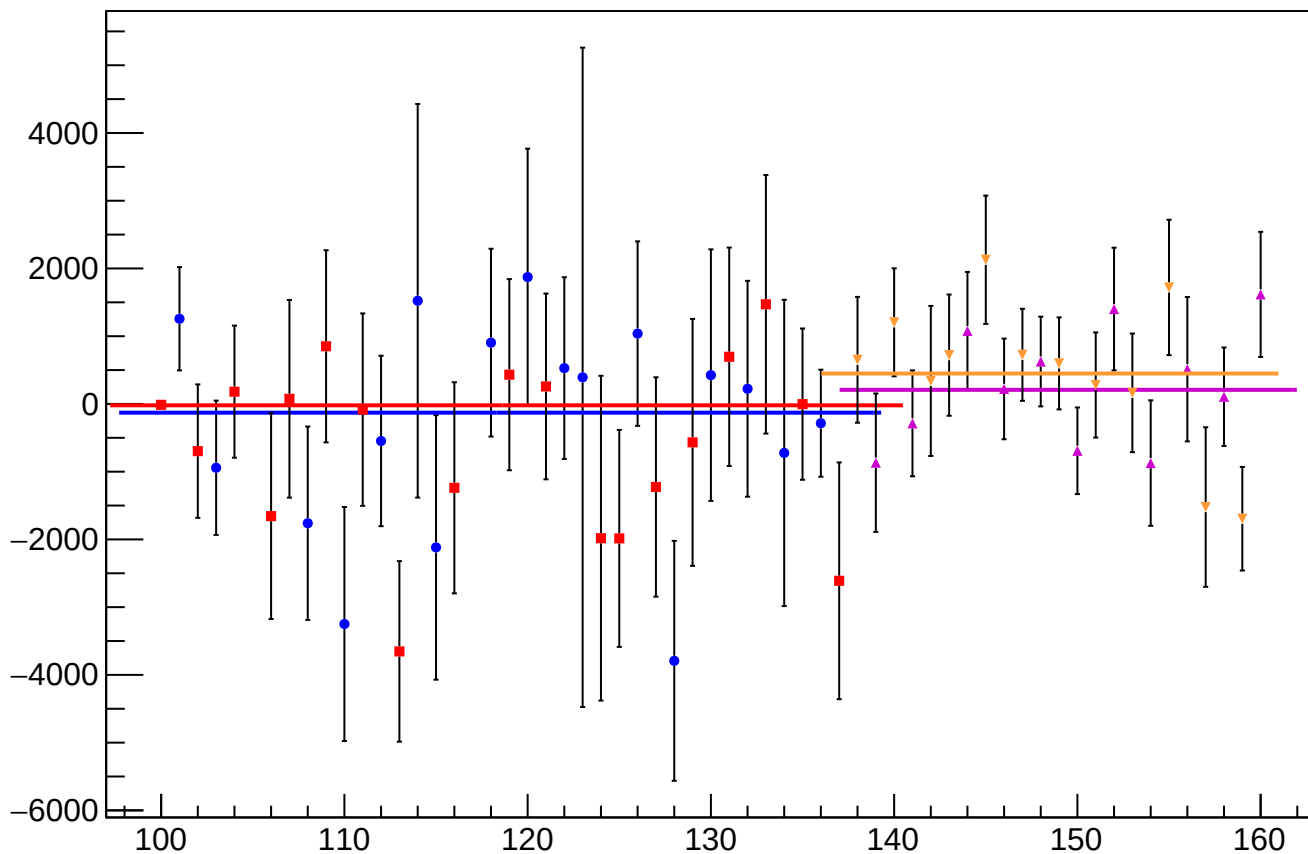
Left In: 561.625+/-0.132 χ^2/NDF :9681.9/10

563.696+/-0.101 χ^2/NDF : 23621.9/28

560.925+/-0.070 χ^2/NDF : 168176.0/58

558.279+/-0.098 χ^2/NDF : 143074.7/29

asym_right_dd_correction_mean vs Slug, Sign Corrected



Right In: -128.725 ± 327.688 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 449.133 ± 245.119 $\chi^2/\text{NDF}: 16.8/11$

Right Out: -20.384 ± 38.954 $\chi^2/\text{NDF}: 16.1/18$

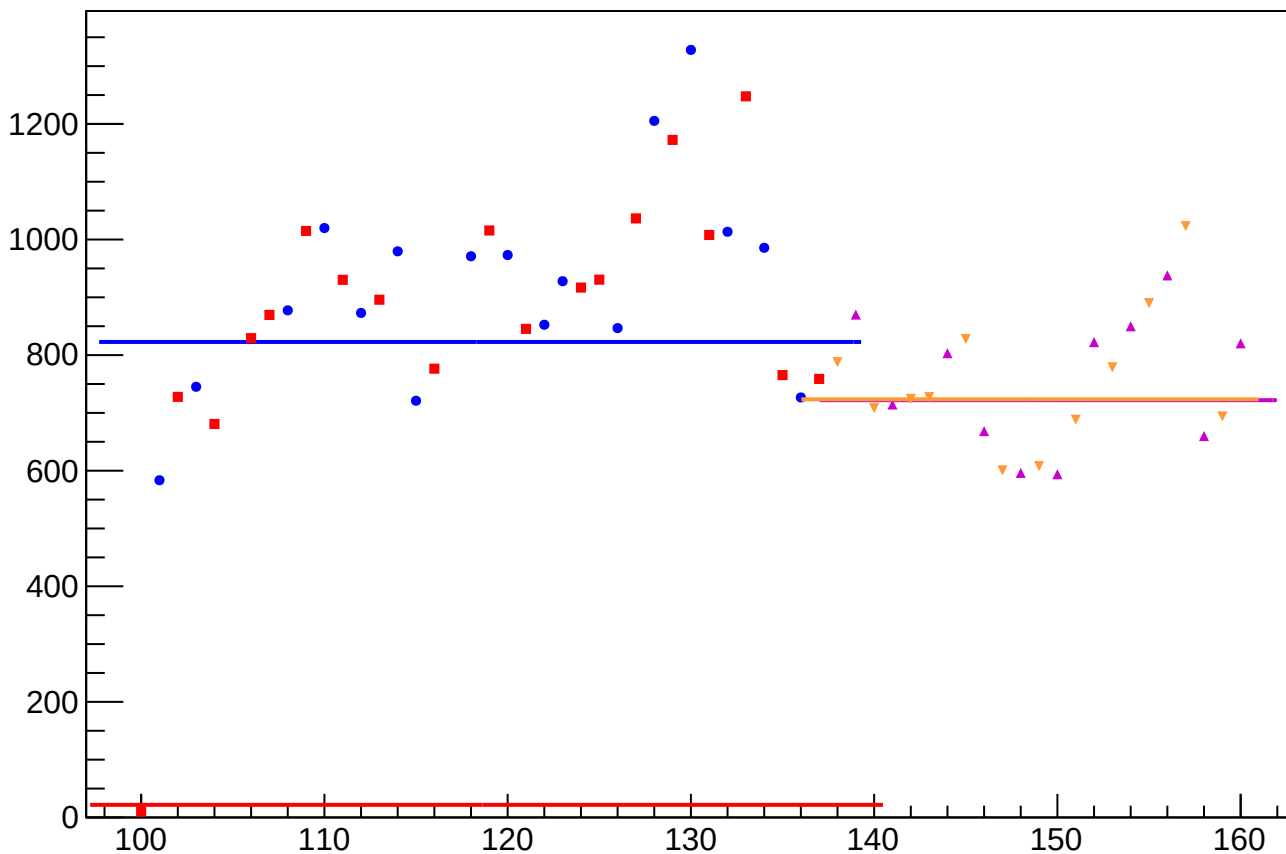
Left In: 208.181 ± 244.175 $\chi^2/\text{NDF}: 10.4/10$

241.805 ± 196.281 $\chi^2/\text{NDF}: 36.0/28$

-5.223 ± 37.750 $\chi^2/\text{NDF}: 65.0/58$

-14.711 ± 38.468 $\chi^2/\text{NDF}: 27.4/29$

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 723.509 $\pm$ 0.173 χ^2/NDF : 358383.7/11

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

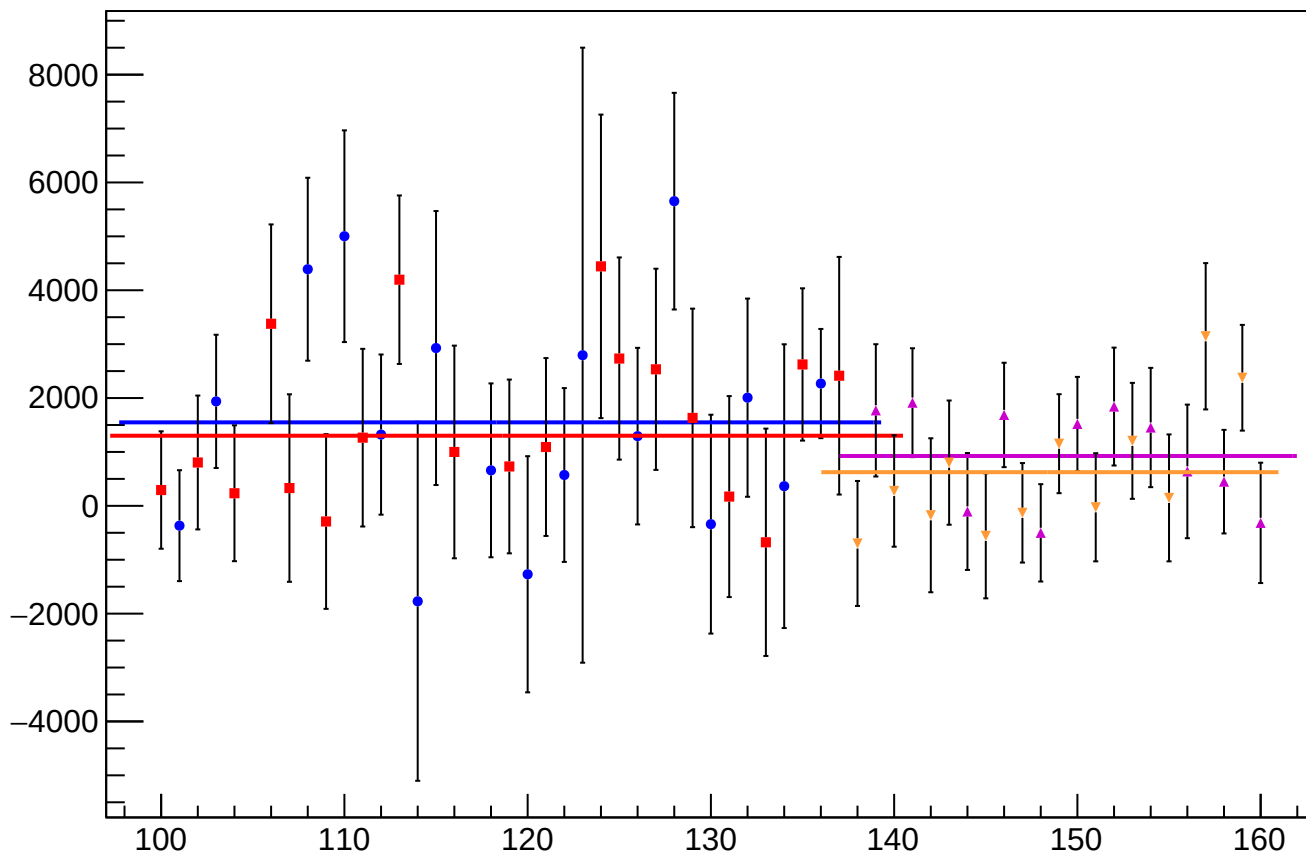
Left In: 722.005 $\pm$ 0.173 χ^2/NDF : 404507.7/10

759.126 $\pm$ 0.139 χ^2/NDF : 1076952.7/28

65.820 $\pm$ 0.027 χ^2/NDF : 56954378.8/58

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: 624.190 ± 313.311 χ^2/NDF : 11.3/11

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

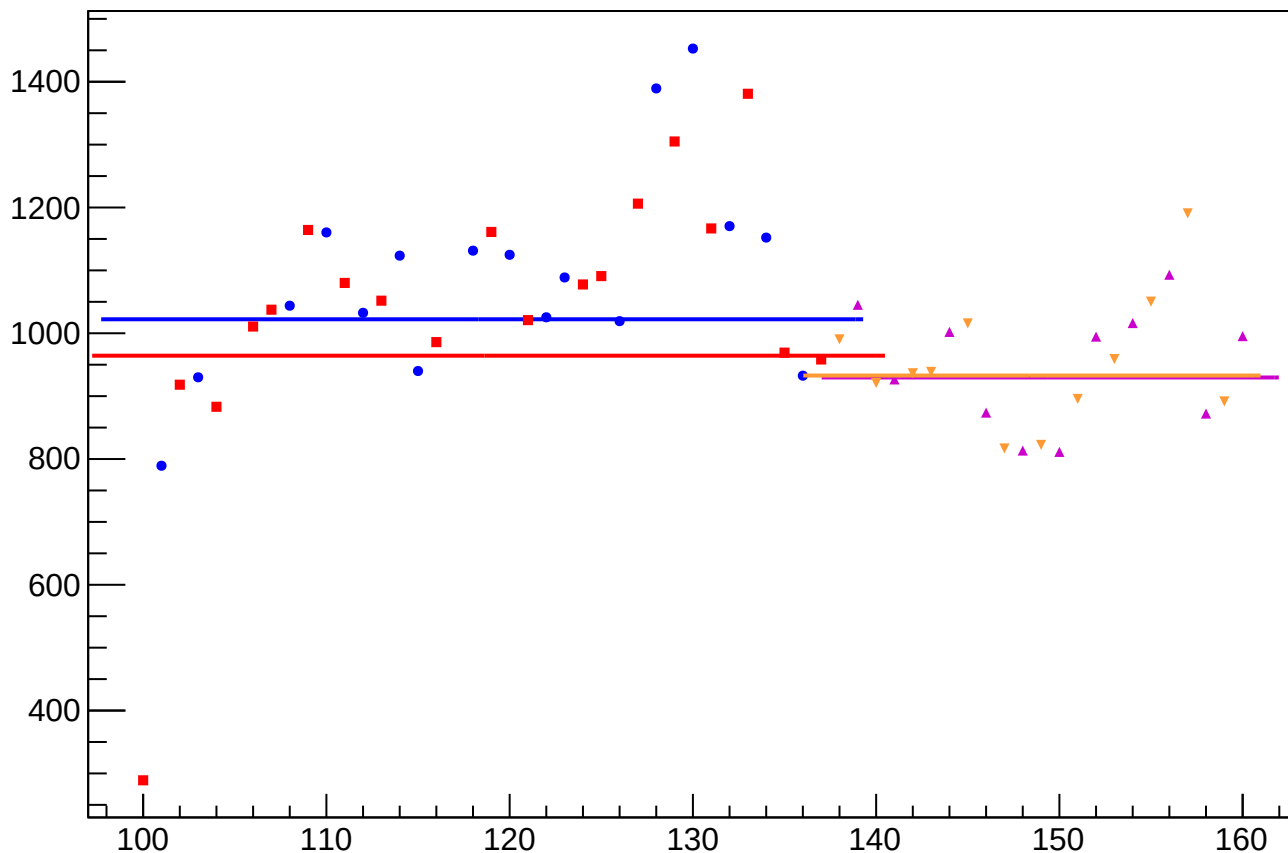
Left In: 925.017 ± 311.760 χ^2/NDF : 8.4/10

973.610 ± 247.123 χ^2/NDF : 33.6/28

1027.407 ± 172.171 χ^2/NDF : 55.2/58

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: 932.777+/-0.222 χ^2/NDF :175498.1/11

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

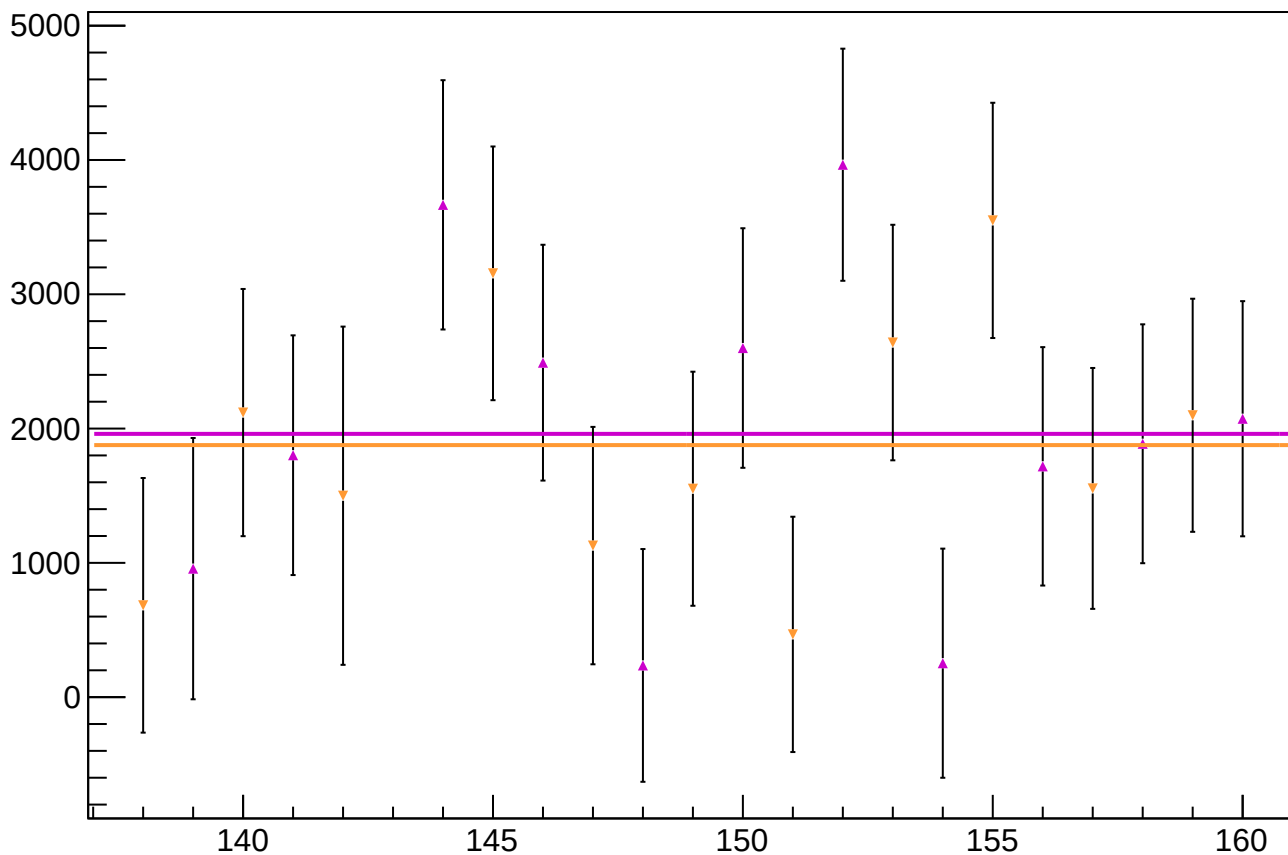
Left In: 929.687+/-0.220 χ^2/NDF :171404.9/10

966.584+/-0.175 χ^2/NDF : 568985.9/28

954.858+/-0.122 χ^2/NDF : 1826481.6/58

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: 1876.920 +/- 276.100 χ^2/NDF : 11.6/10

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

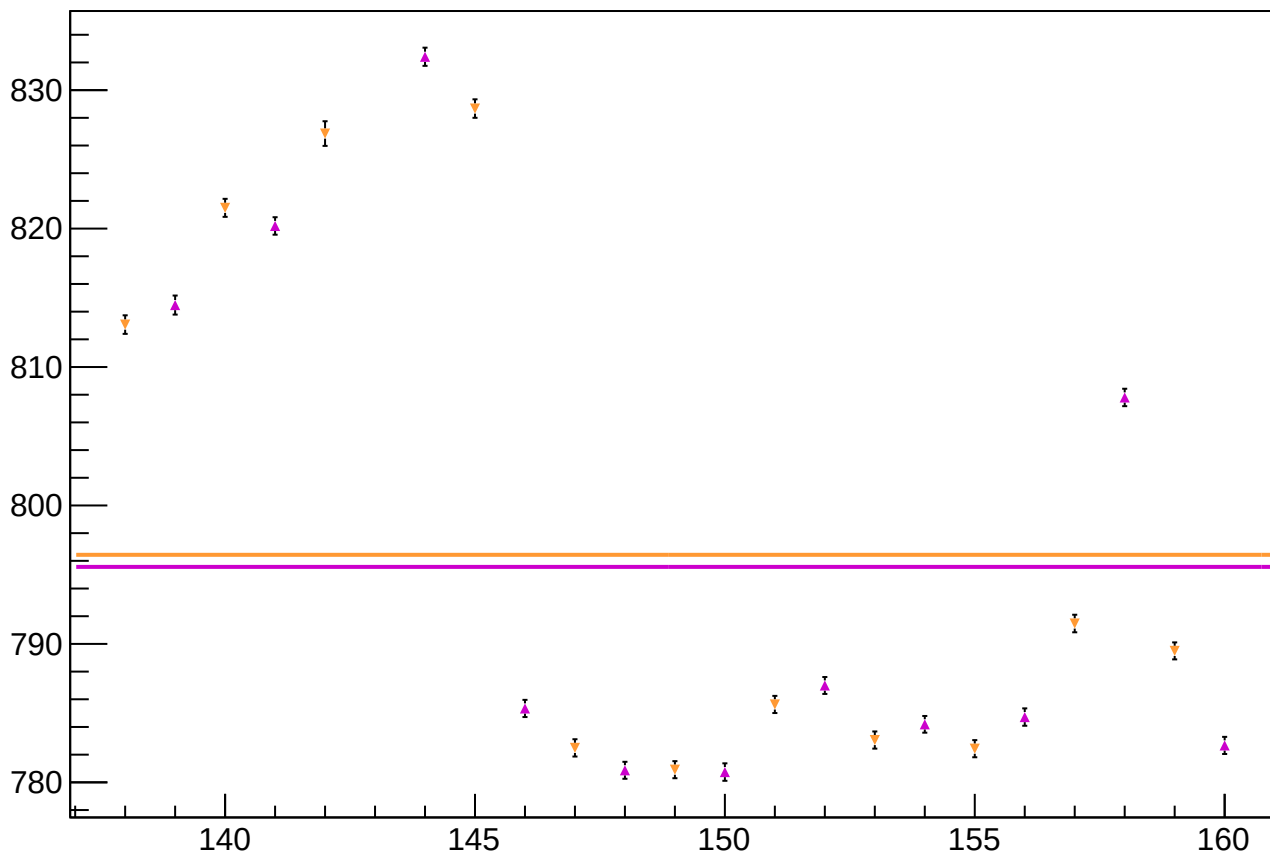
Left In: 1960.529 +/- 268.134 χ^2/NDF : 18.8/10

1876.920 +/- 276.100 χ^2/NDF : 11.6/10

1919.948 +/- 192.354 χ^2/NDF : 30.5/21

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: 796.436+/-0.195 χ^2/NDF : 8197.6/10

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

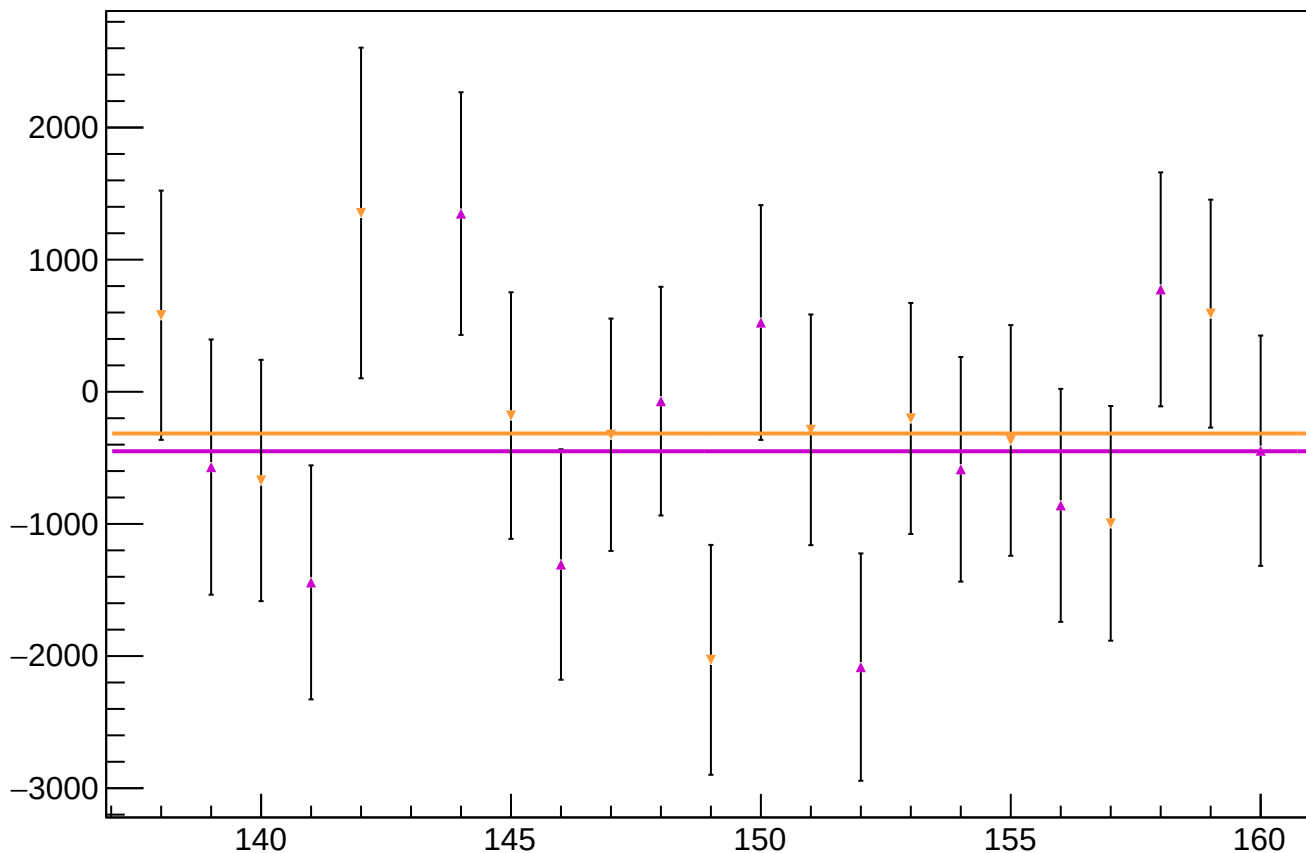
Left In: 795.563+/-0.190 χ^2/NDF : 8492.2/10

796.436+/-0.195 χ^2/NDF : 8197.6/10

795.987+/-0.136 χ^2/NDF : 16700.1/21

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: -315.725+/-274.508 χ^2/NDF : 8.4/10

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

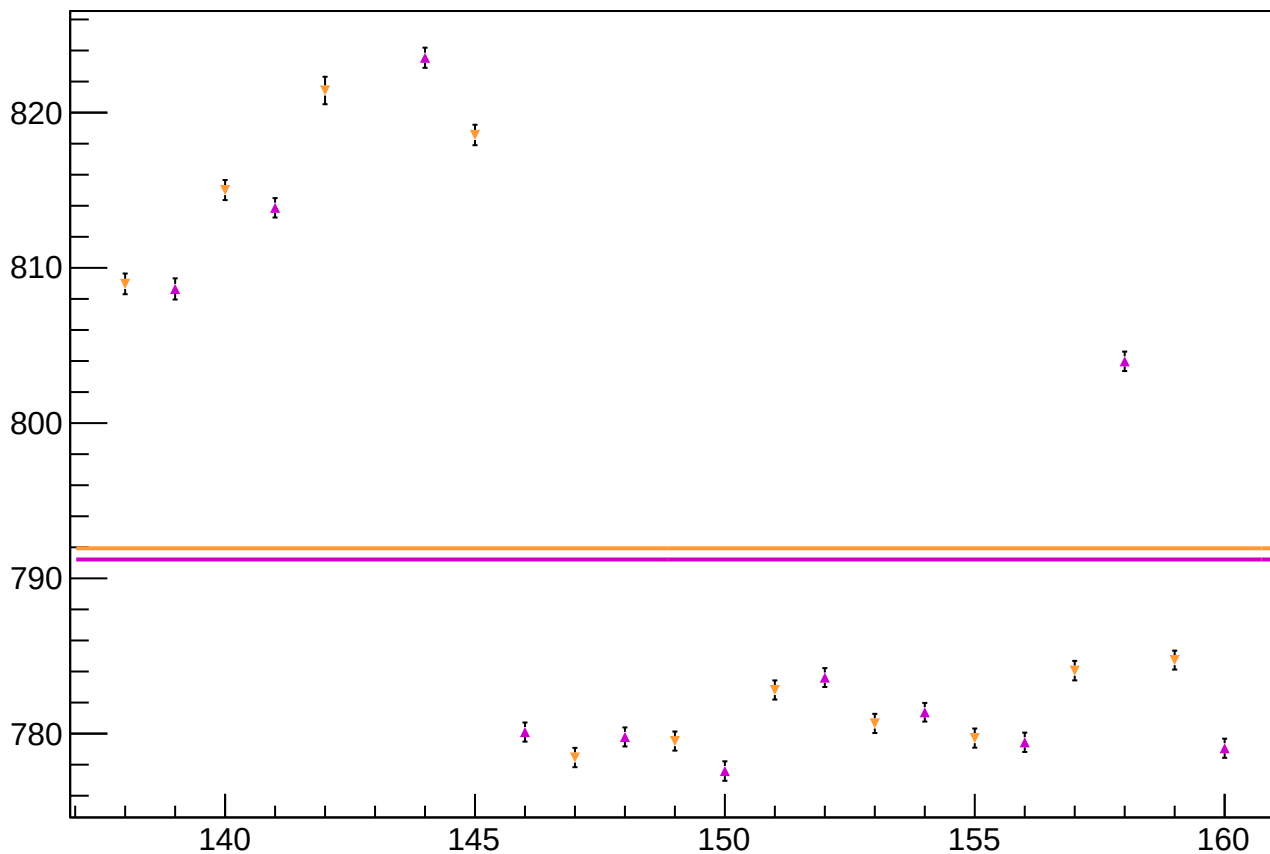
Left In: -449.968+/-266.653 χ^2/NDF : 13.2/10

-315.725+/-274.508 χ^2/NDF : 8.4/10

-384.795+/-191.269 χ^2/NDF : 21.8/21

-449.968+/-266.653 χ^2/NDF : 13.2/10

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 791.934+/-0.194 χ^2/NDF : 6786.9/10

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

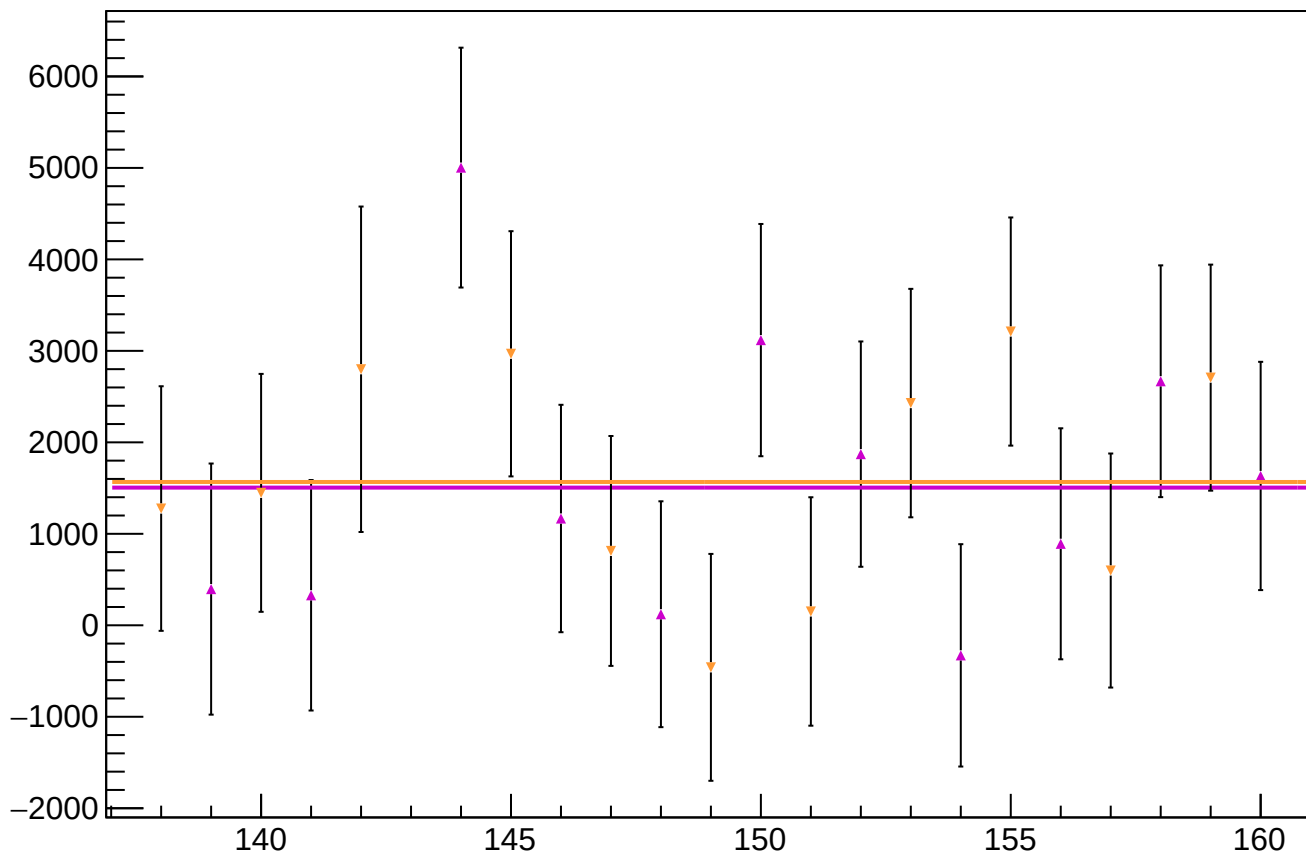
Left In: 791.216+/-0.189 χ^2/NDF : 7167.7/10

791.934+/-0.194 χ^2/NDF : 6786.9/10

791.564+/-0.135 χ^2/NDF : 13961.7/21

791.216+/-0.189 χ^2/NDF : 7167.7/10

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1566.656+/-392.265 χ^2/NDF : 9.6/10

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

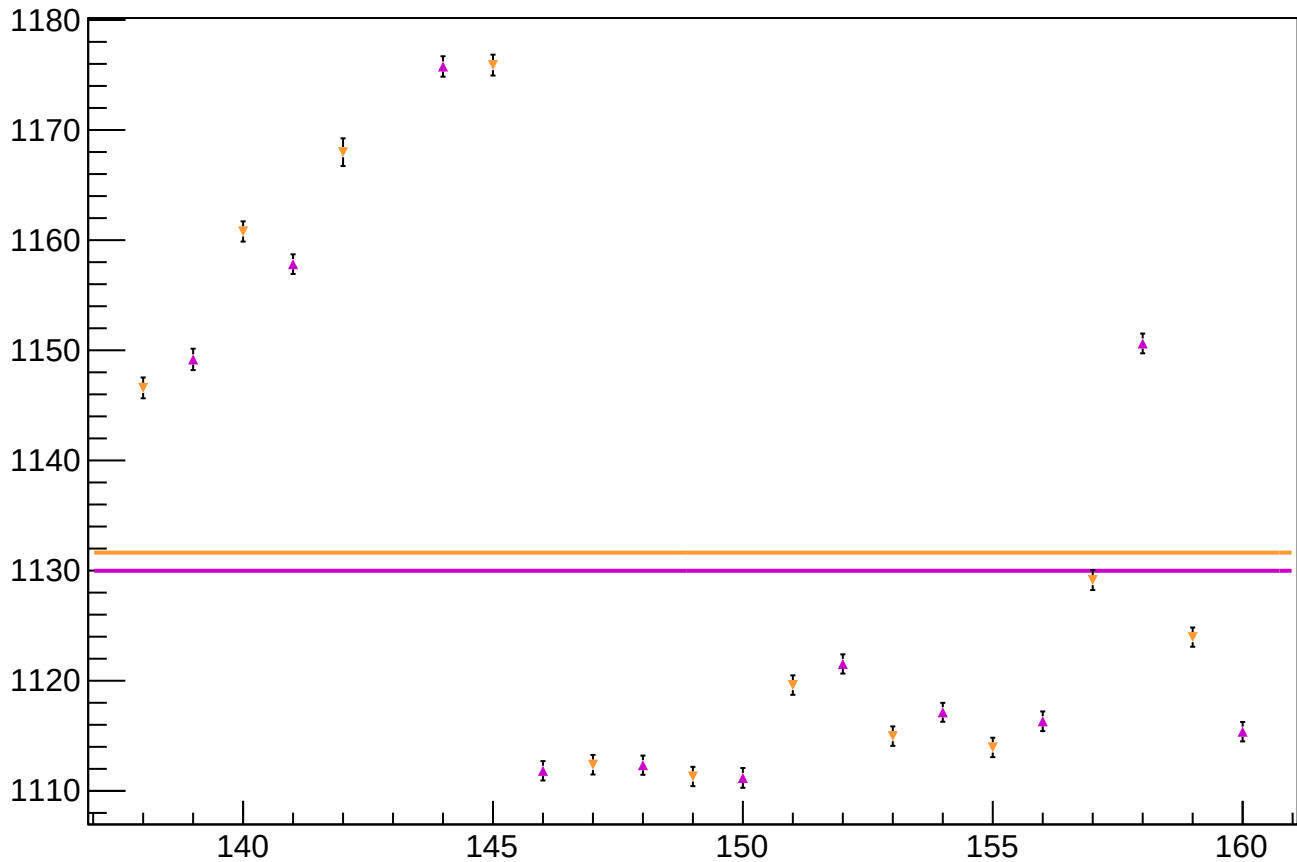
Left In: 1505.059+/-380.818 χ^2/NDF : 15.0/10

1566.656+/-392.265 χ^2/NDF : 9.6/10

1534.945+/-273.236 χ^2/NDF : 24.6/21

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: 1131.632+/-0.277 χ^2/NDF : 6307.2/10

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

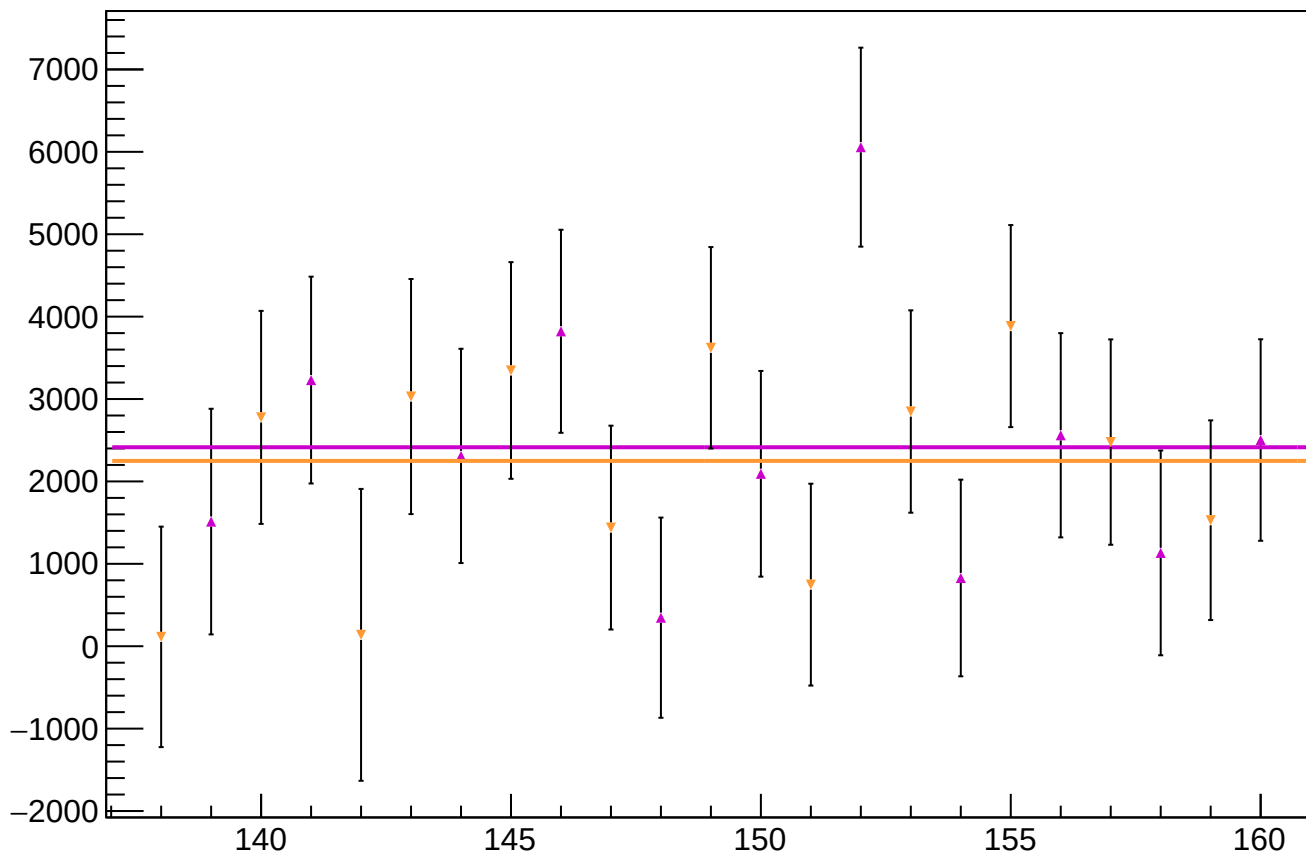
Left In: 1129.982+/-0.269 χ^2/NDF : 6437.8/10

1131.632+/-0.277 χ^2/NDF : 6307.2/10

1130.783+/-0.193 χ^2/NDF : 12763.2/21

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: 2249.047+/-372.970 χ^2/NDF : 10.7/11

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

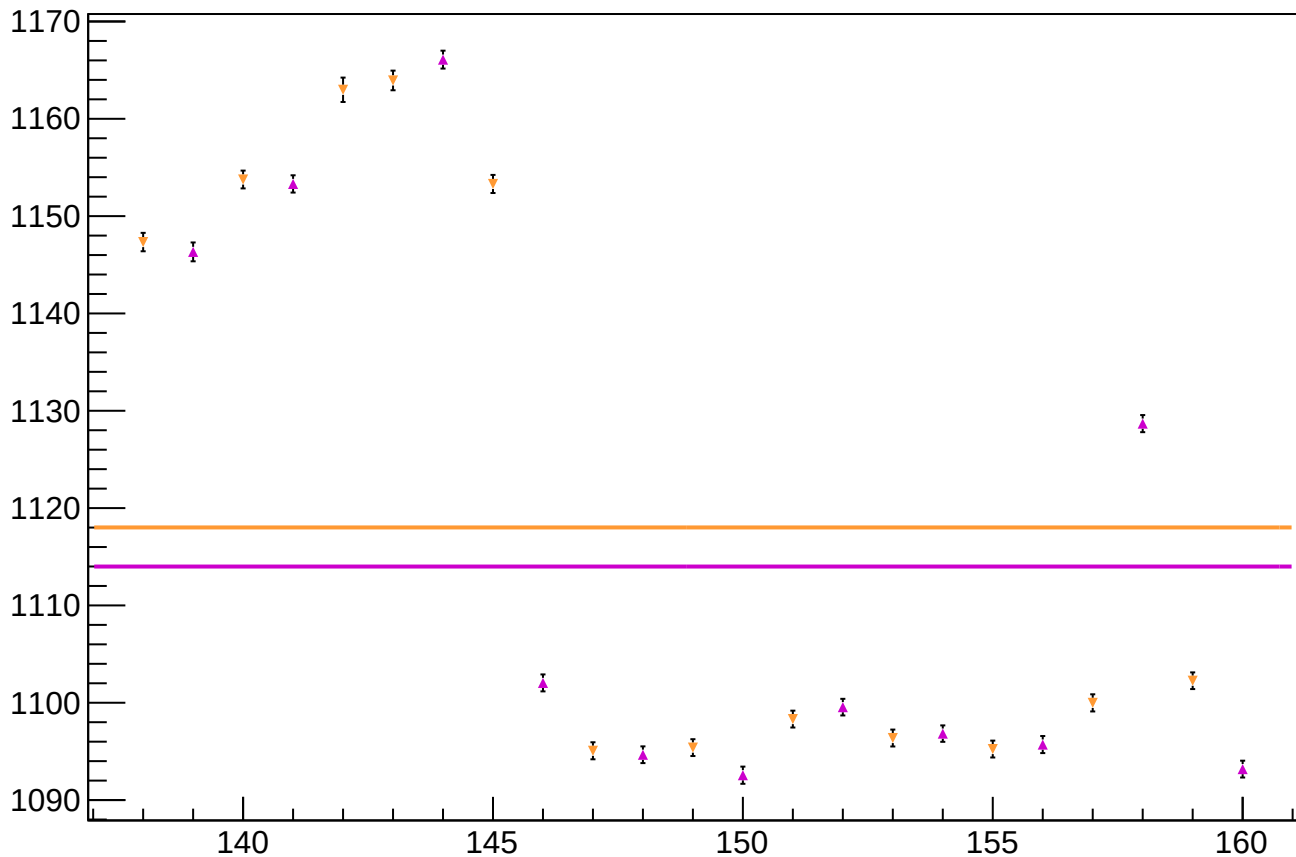
Left In: 2414.810+/-375.464 χ^2/NDF : 17.1/10

2249.047+/-372.970 χ^2/NDF : 10.7/11

2331.376+/-264.607 χ^2/NDF : 27.9/22

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: 1118.012+/-0.264 χ^2/NDF : 11251.3/11

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

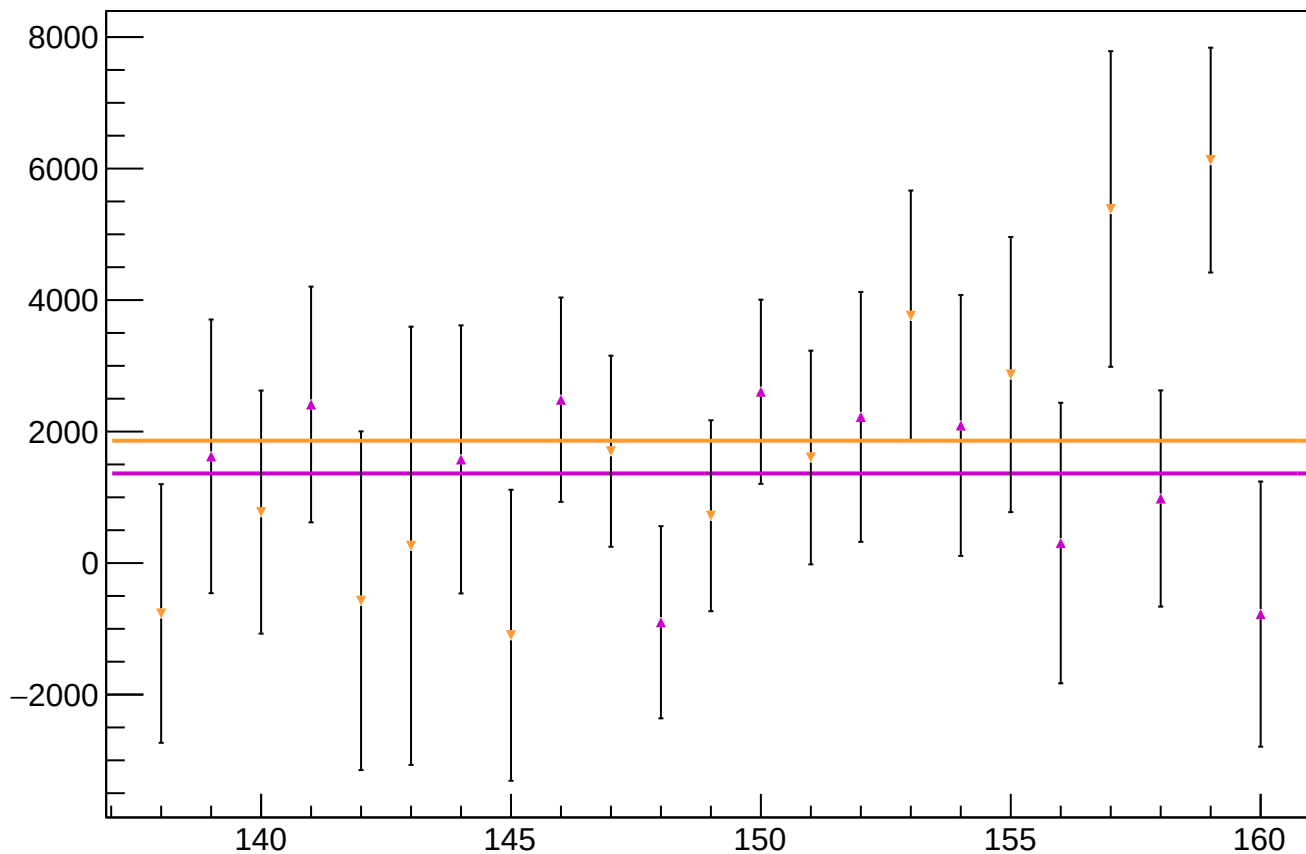
Left In: 1113.995+/-0.265 χ^2/NDF : 9567.1/10

1118.012+/-0.264 χ^2/NDF : 11251.3/11

1116.017+/-0.187 χ^2/NDF : 20933.7/22

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: 1860.883+/-546.995 χ^2/NDF : 15.3/11

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

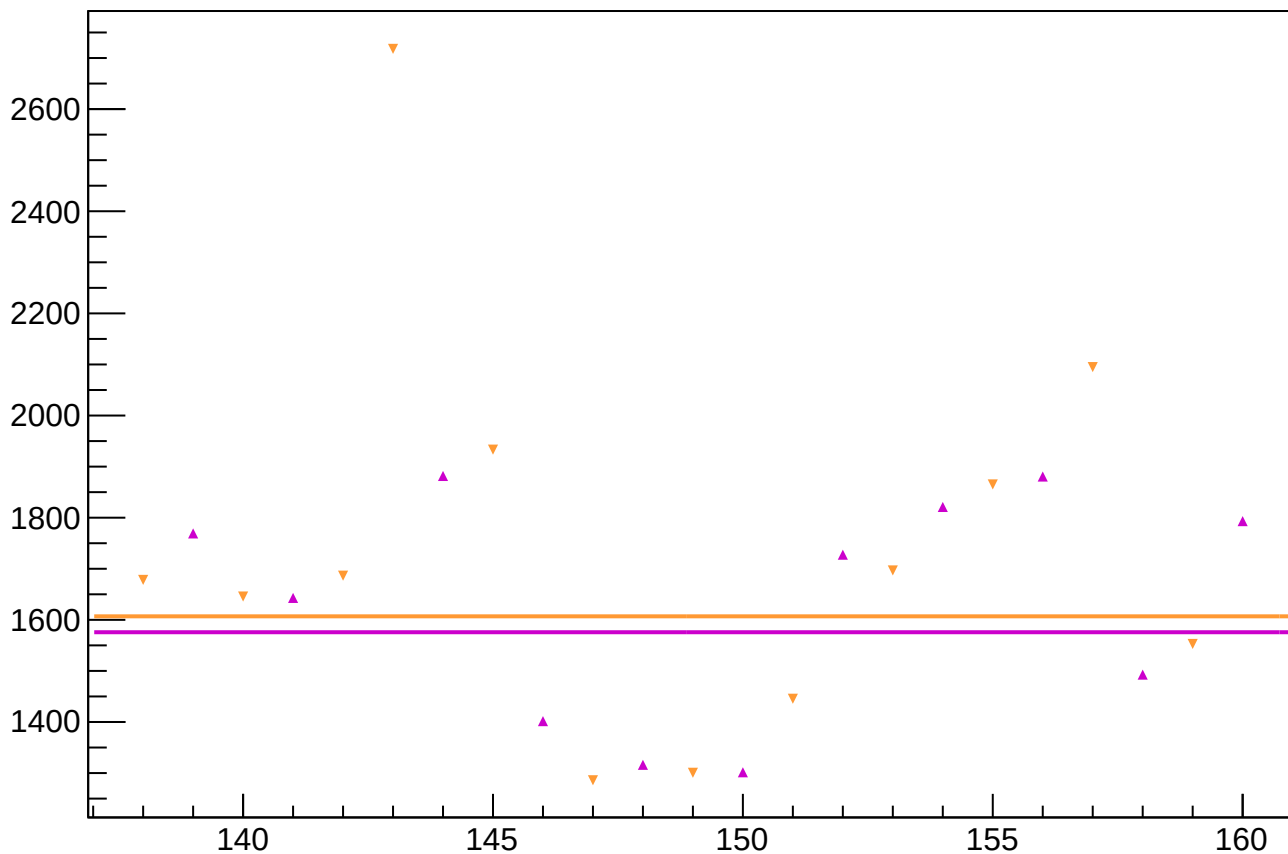
Left In: 1363.163+/-531.442 χ^2/NDF : 5.8/10

1860.883+/-546.995 χ^2/NDF : 15.3/11

1604.846+/-381.166 χ^2/NDF : 21.6/22

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: 1606.875 +/- 0.387 χ^2/NDF : 597146.9/11

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

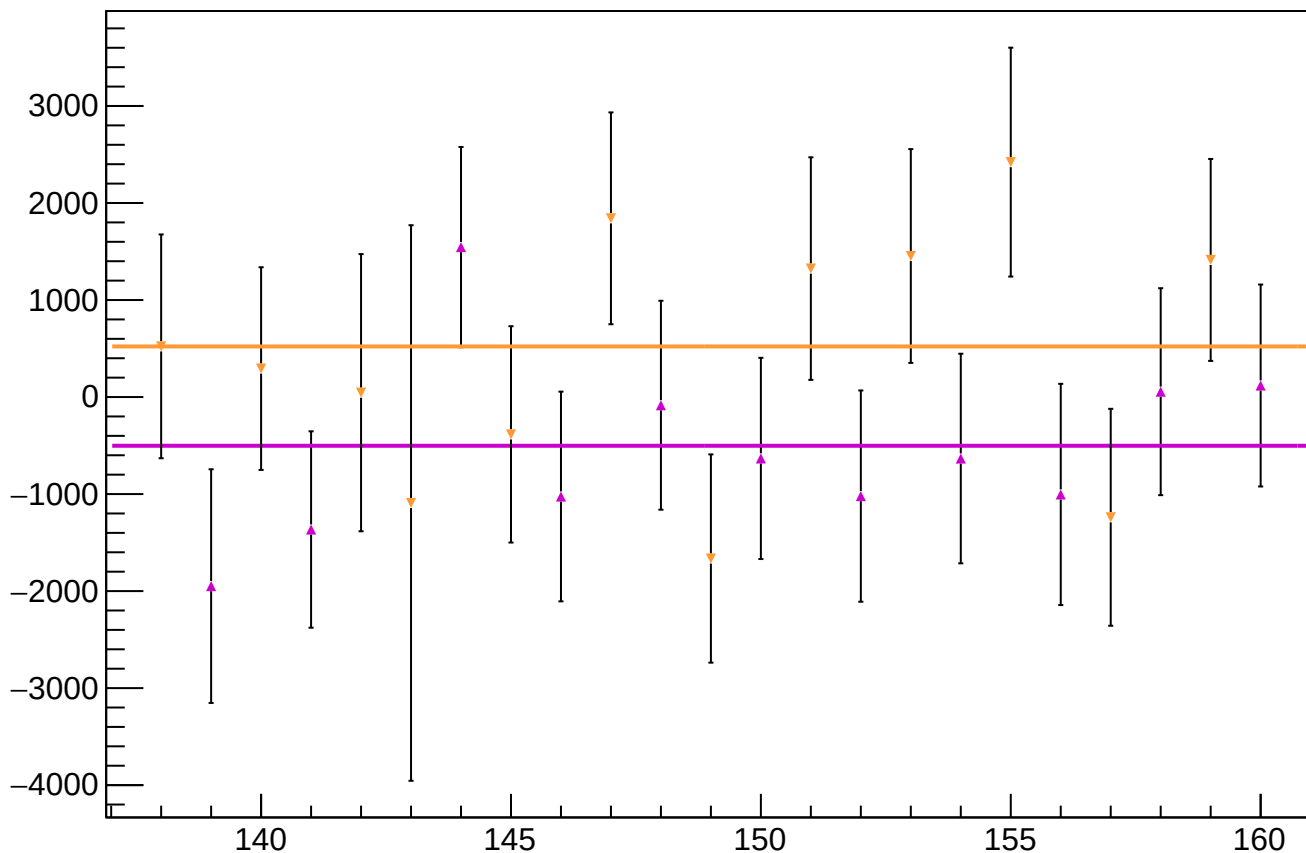
Left In: 1575.737 +/- 0.376 χ^2/NDF : 342470.4/10

1606.875 +/- 0.387 χ^2/NDF : 597146.9/11

1590.857 +/- 0.270 χ^2/NDF : 942951.3/22

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: 521.595+/-336.751 χ^2/NDF :13.8/11

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

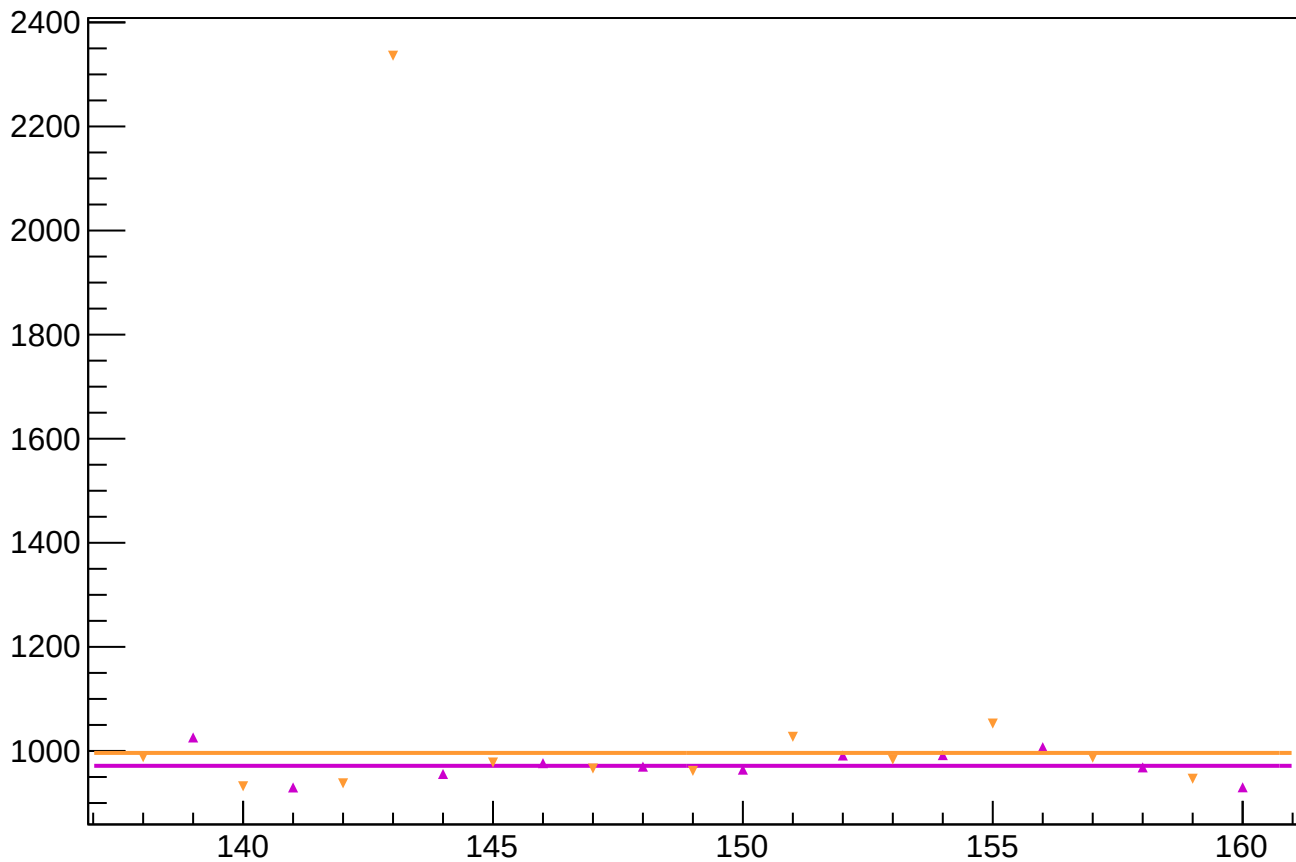
Left In: -501.967+/-323.992 χ^2/NDF :7.6/10

521.595+/-336.751 χ^2/NDF : 13.8/11

-9.943+/-233.477 χ^2/NDF : 26.1/22

-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: 996.262+/-0.238 χ^2/NDF : 463936.2/11

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

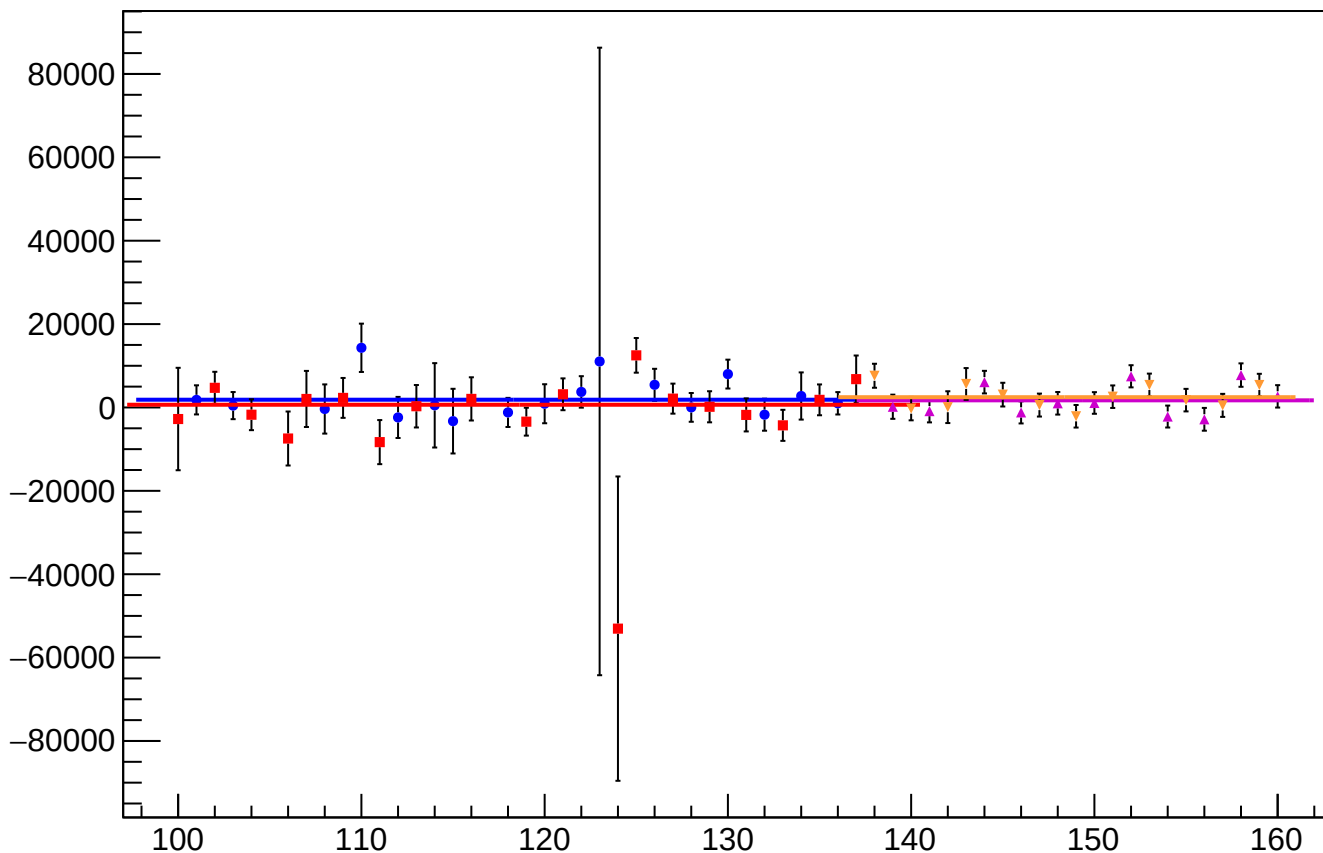
Left In: 971.465+/-0.229 χ^2/NDF : 14601.6/10

996.262+/-0.238 χ^2/NDF : 463936.2/11

983.385+/-0.165 χ^2/NDF : 484169.3/22

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: 2460.608 $\pm$ 828.532 χ^2 /NDF: 11.5/11

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

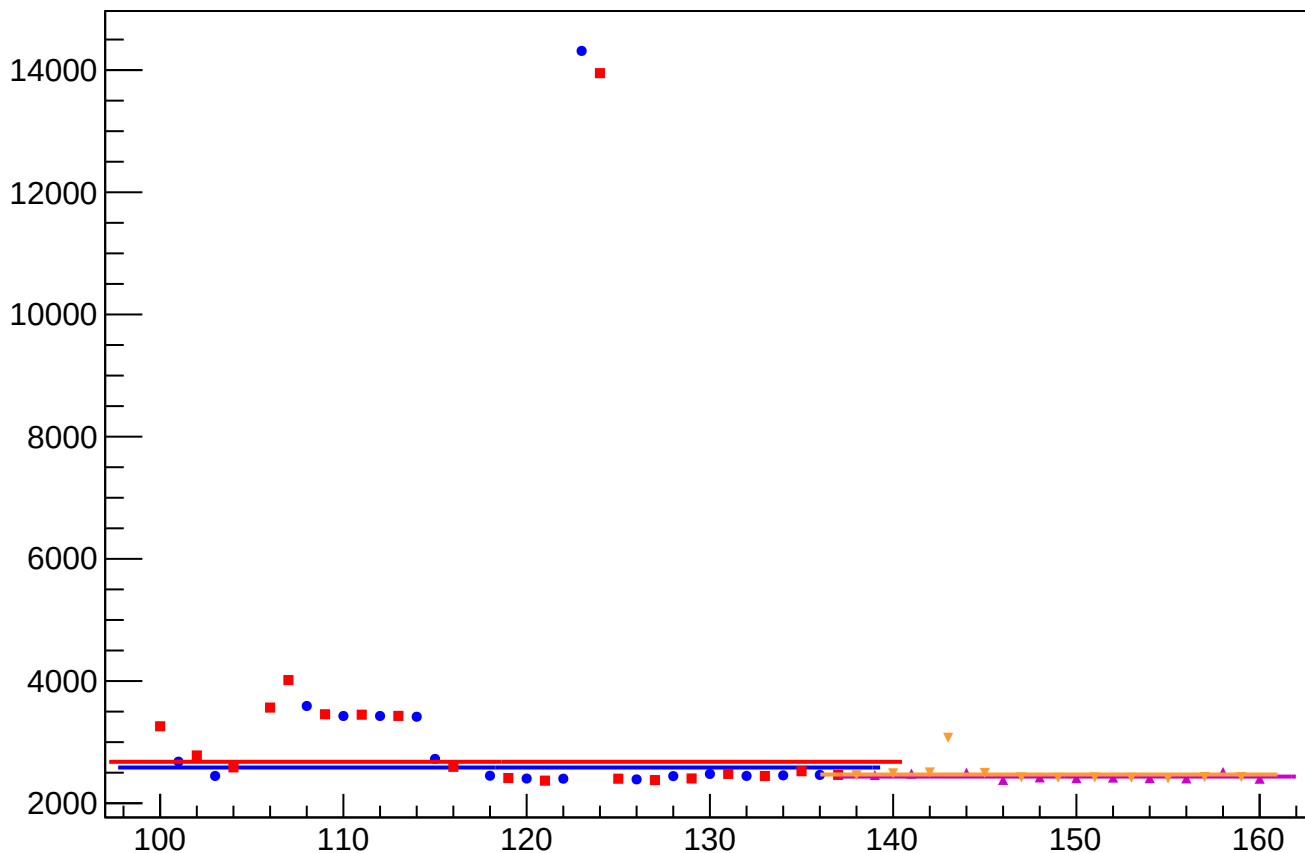
Left In: 1711.472 $\pm$ 815.149 χ^2 /NDF: 19.6/10

2219.901 $\pm$ 641.448 χ^2 /NDF: 24.3/28

1757.889 $\pm$ 452.241 χ^2 /NDF: 67.6/58

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: 2470.501+/-0.586 χ^2/NDF : 55127.1/11

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

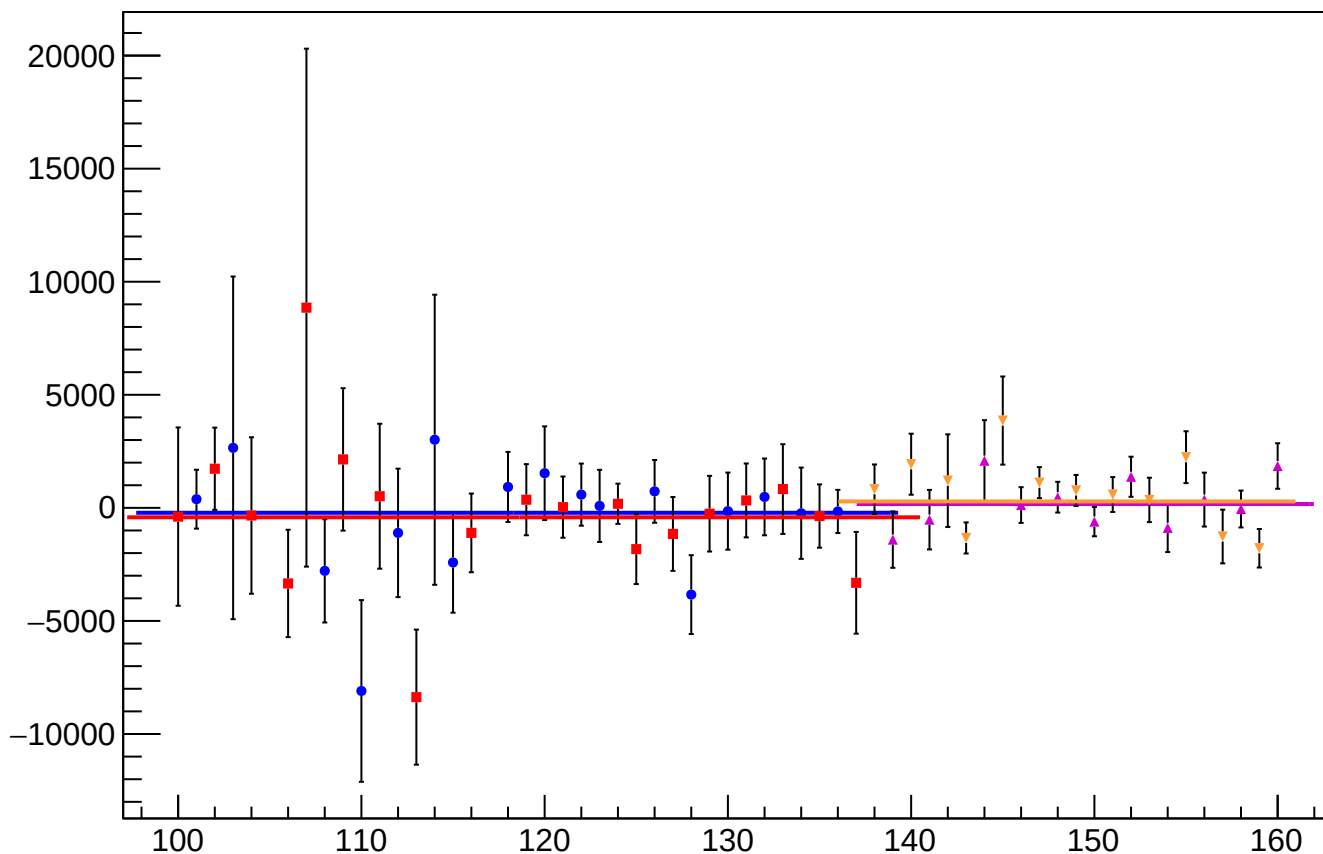
Left In: 2436.378+/-0.576 χ^2/NDF : 5295.4/10

2516.298+/-0.454 χ^2/NDF : 326091.0/28

2523.297+/-0.320 χ^2/NDF : 932264.9/58

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: 284.642+/-269.080 χ^2/NDF : 23.5/11

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

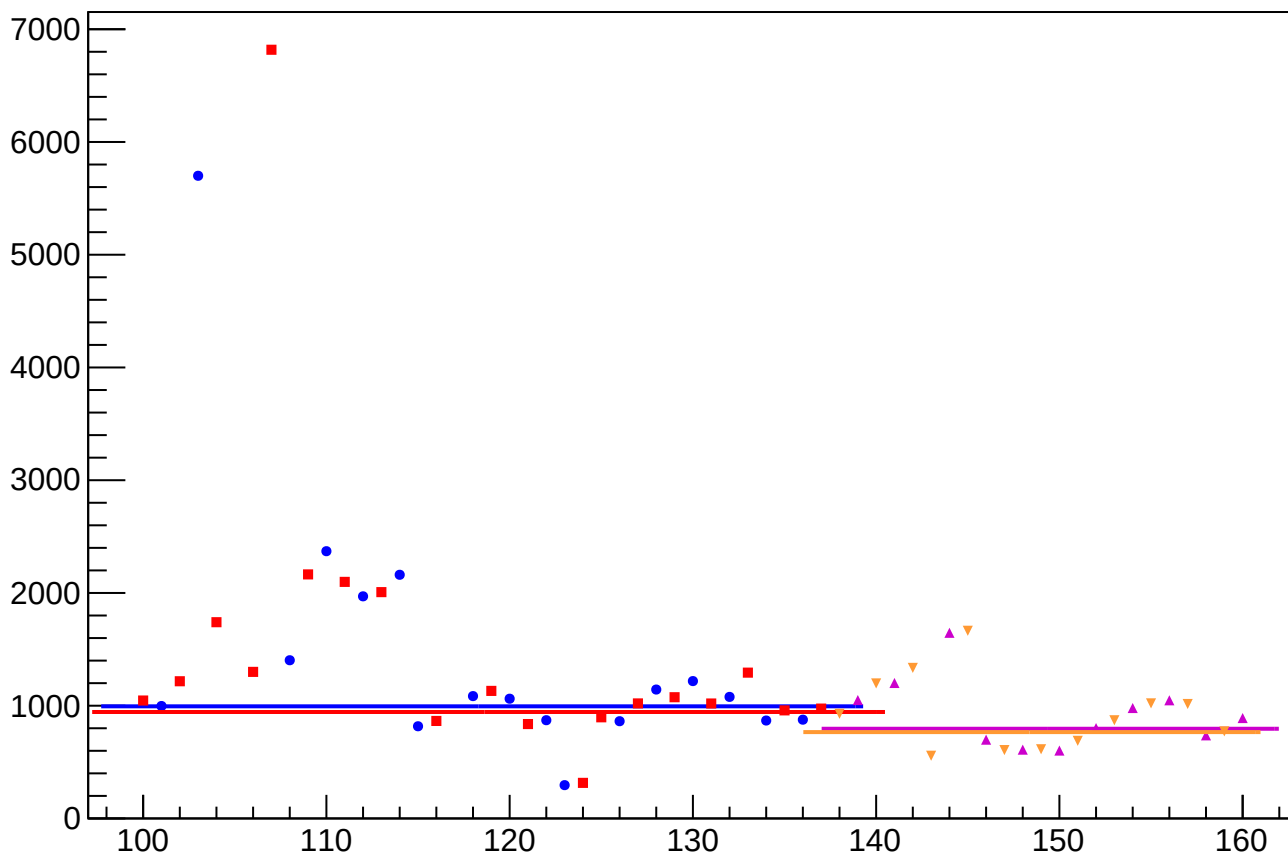
Left In: 169.613+/-277.214 χ^2/NDF : 10.3/10

138.694+/-226.582 χ^2/NDF : 37.9/28

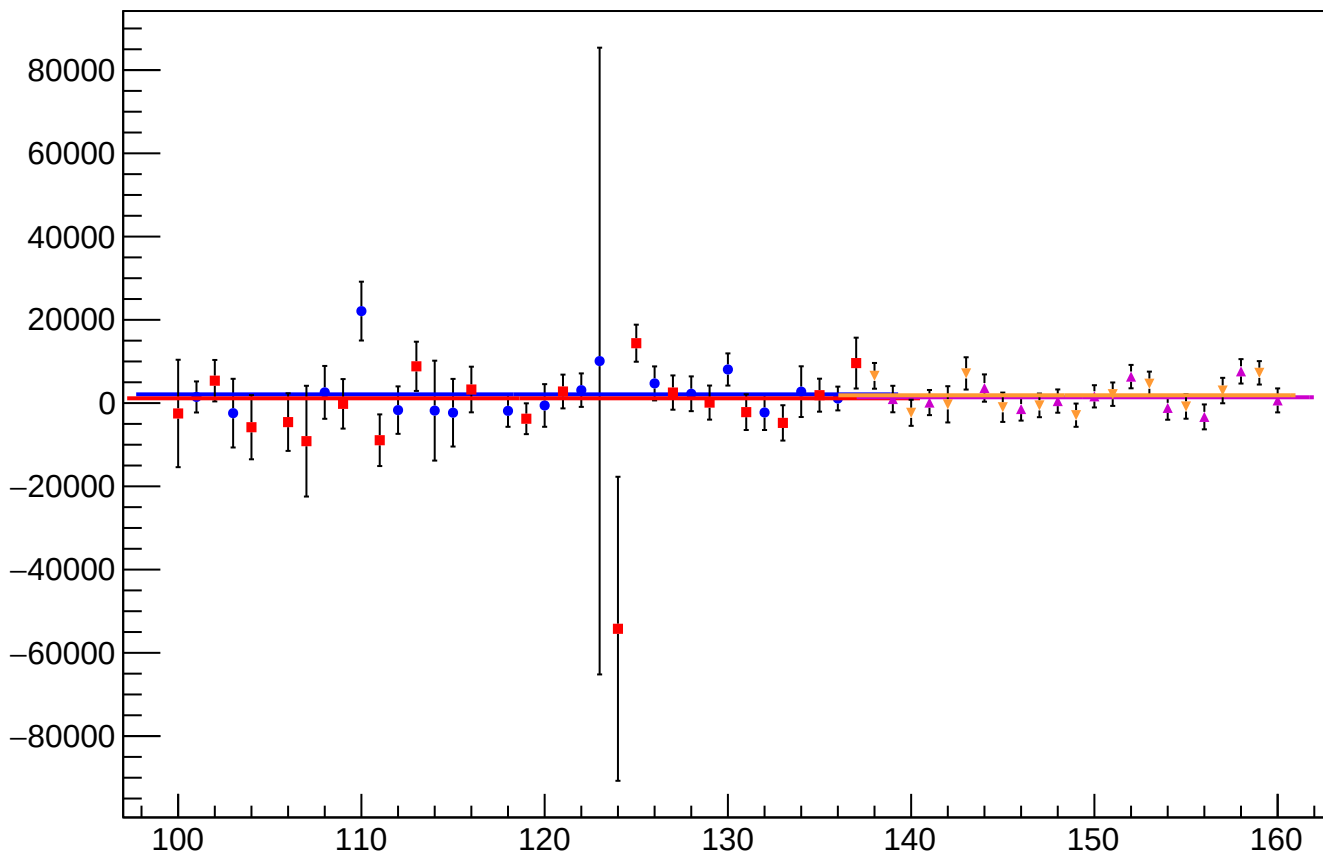
62.759+/-161.228 χ^2/NDF : 65.5/58

-15.121+/-229.467 χ^2/NDF : 27.4/29

asym_atl1_correction_rms vs Slug, Sign Corrected



asym_atl1_mean vs Slug, Sign Corrected



Right In: 2094.050 $\pm$ 1160.426 χ^2/NDF : 14.6/16

Left Out: 1878.257 $\pm$ 893.737 χ^2/NDF : 16.1/11

Right Out: 1147.788 $\pm$ 1187.007 χ^2/NDF : 25.1/18

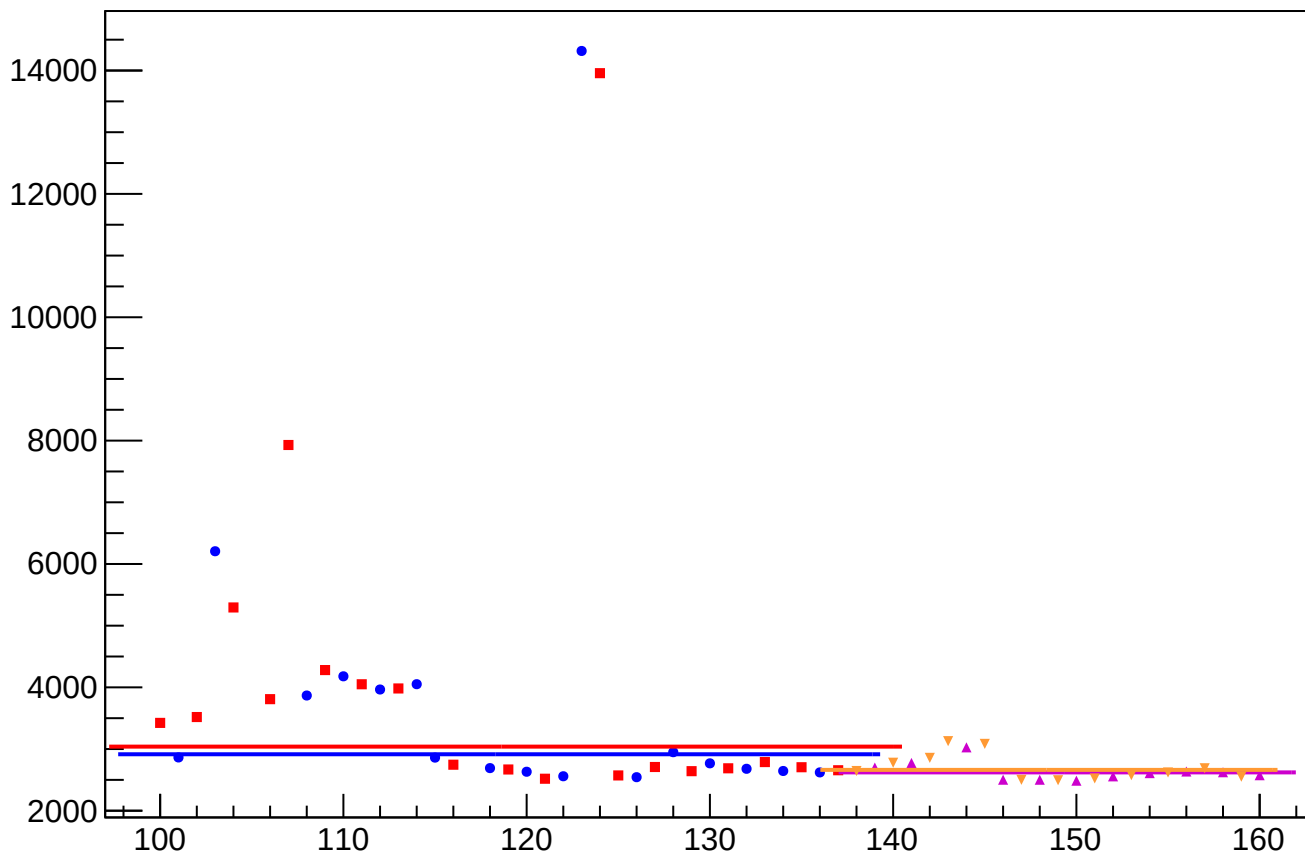
Left In: 1395.471 $\pm$ 878.205 χ^2/NDF : 12.8/10

1958.602 $\pm$ 708.072 χ^2/NDF : 30.7/28

1632.269 $\pm$ 499.945 χ^2/NDF : 69.1/58

1307.854 $\pm$ 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: 2661.937+/-0.632 χ^2/NDF : 88133.6/11

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

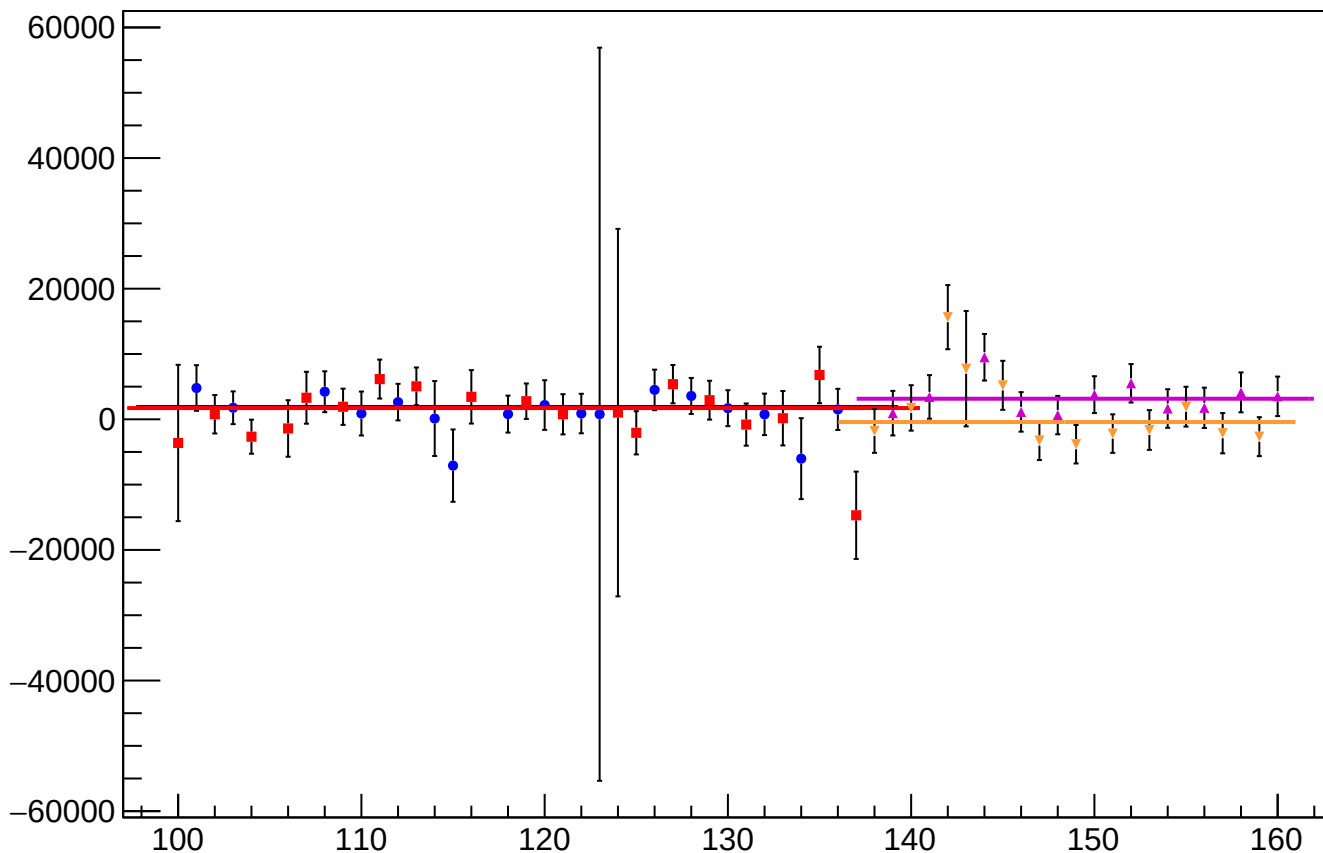
Left In: 2621.266+/-0.621 χ^2/NDF : 50938.9/10

2756.233+/-0.501 χ^2/NDF : 787066.6/28

2762.679+/-0.354 χ^2/NDF : 2009902.0/58

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: -416.001+/-965.527 χ^2/NDF : 18.6/11

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

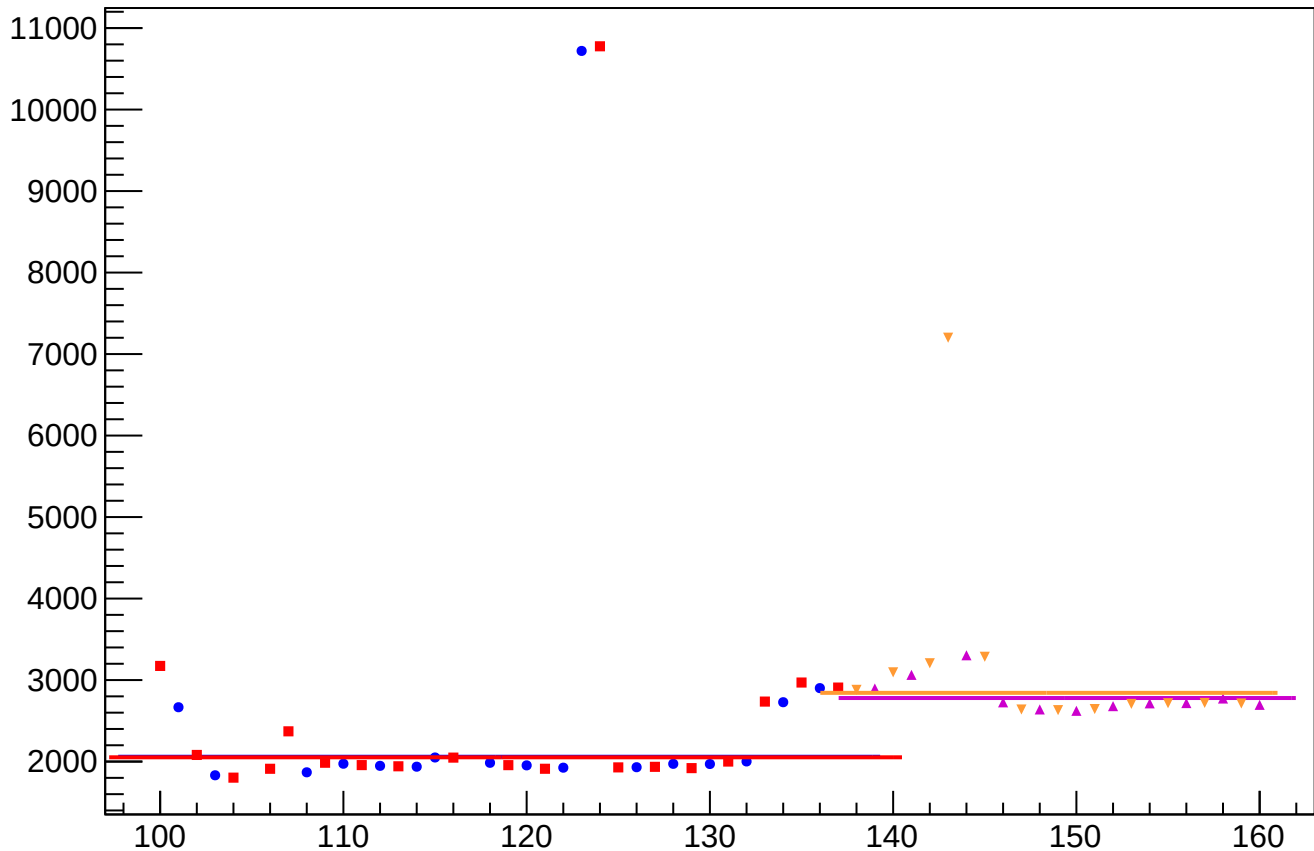
Left In: 3151.504+/-929.738 χ^2/NDF : 6.0/10

935.447+/-621.194 χ^2/NDF : 29.2/28

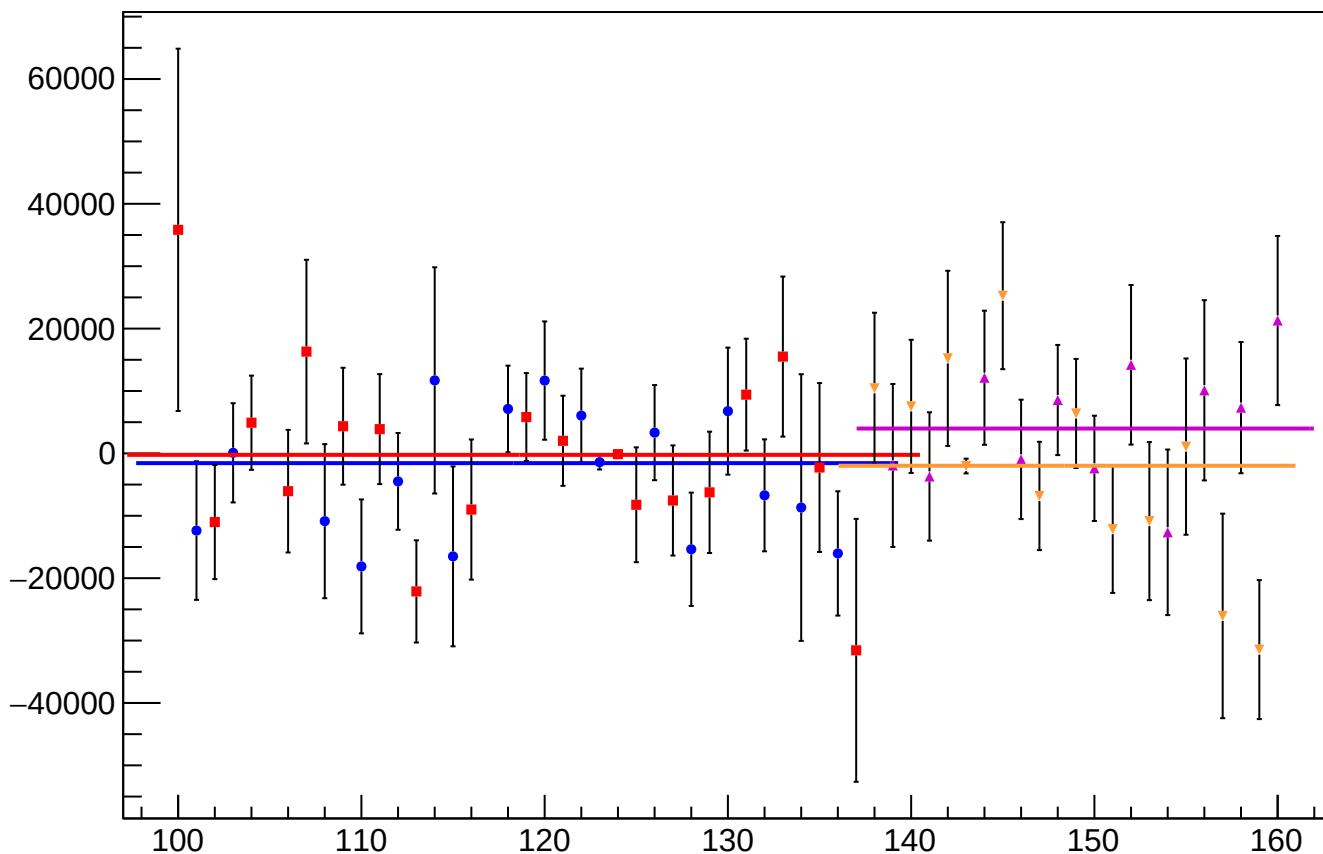
1649.256+/-432.330 χ^2/NDF : 58.1/58

2319.789+/-602.069 χ^2/NDF : 26.4/29

reg_asym_atl2_rms vs Slug, Sign Corrected



asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1563.218 ± 1053.946 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -1979.250 ± 1116.765 $\chi^2/\text{NDF}: 20.6/11$

Right Out: -236.197 ± 695.167 $\chi^2/\text{NDF}: 20.8/18$

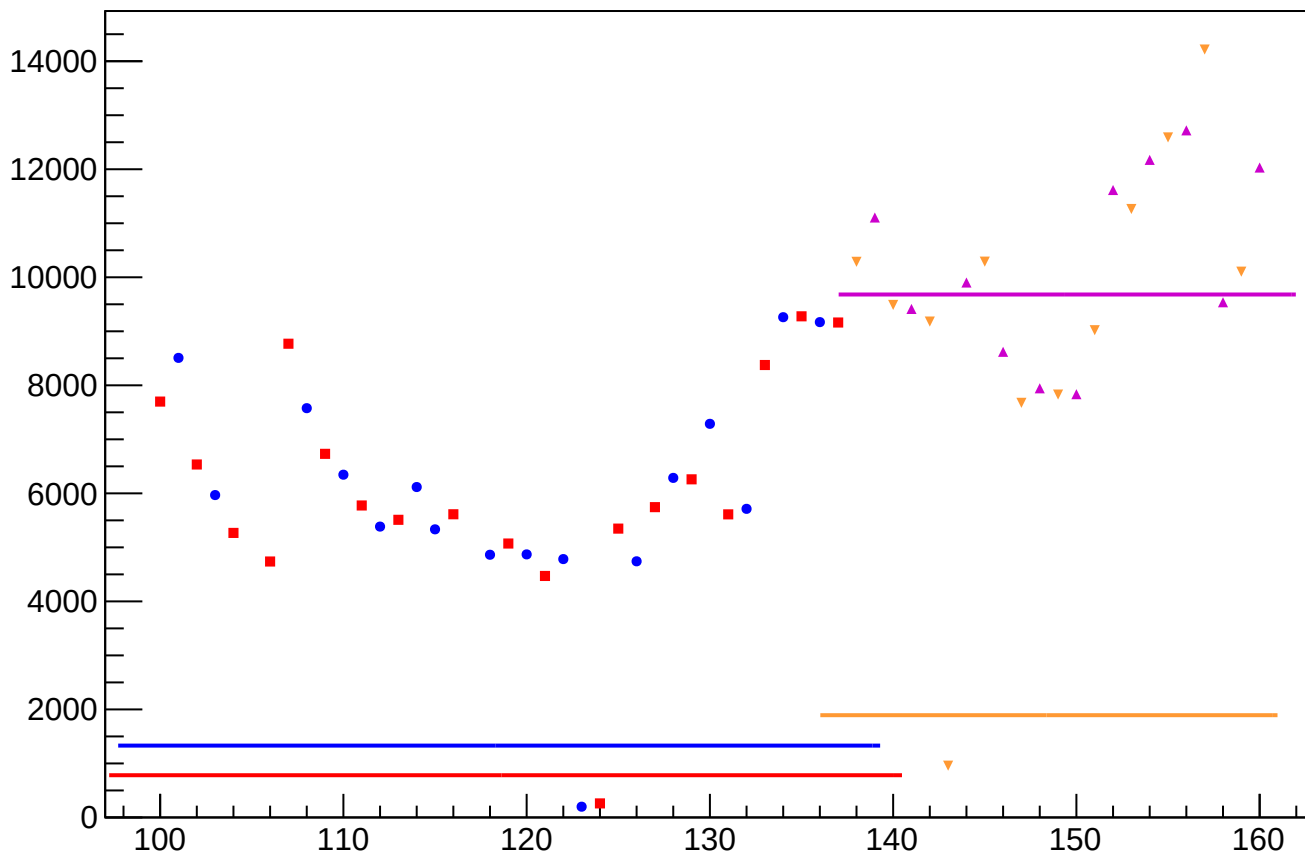
Left In: 3982.657 ± 3281.551 $\chi^2/\text{NDF}: 6.6/10$

-1759.204 ± 766.498 $\chi^2/\text{NDF}: 36.9/28$

-805.650 ± 508.708 $\chi^2/\text{NDF}: 68.6/58$

-55.001 ± 680.075 $\chi^2/\text{NDF}: 29.0/29$

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 1893.087+/-0.790 χ^2/NDF : 12019135.0/11

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

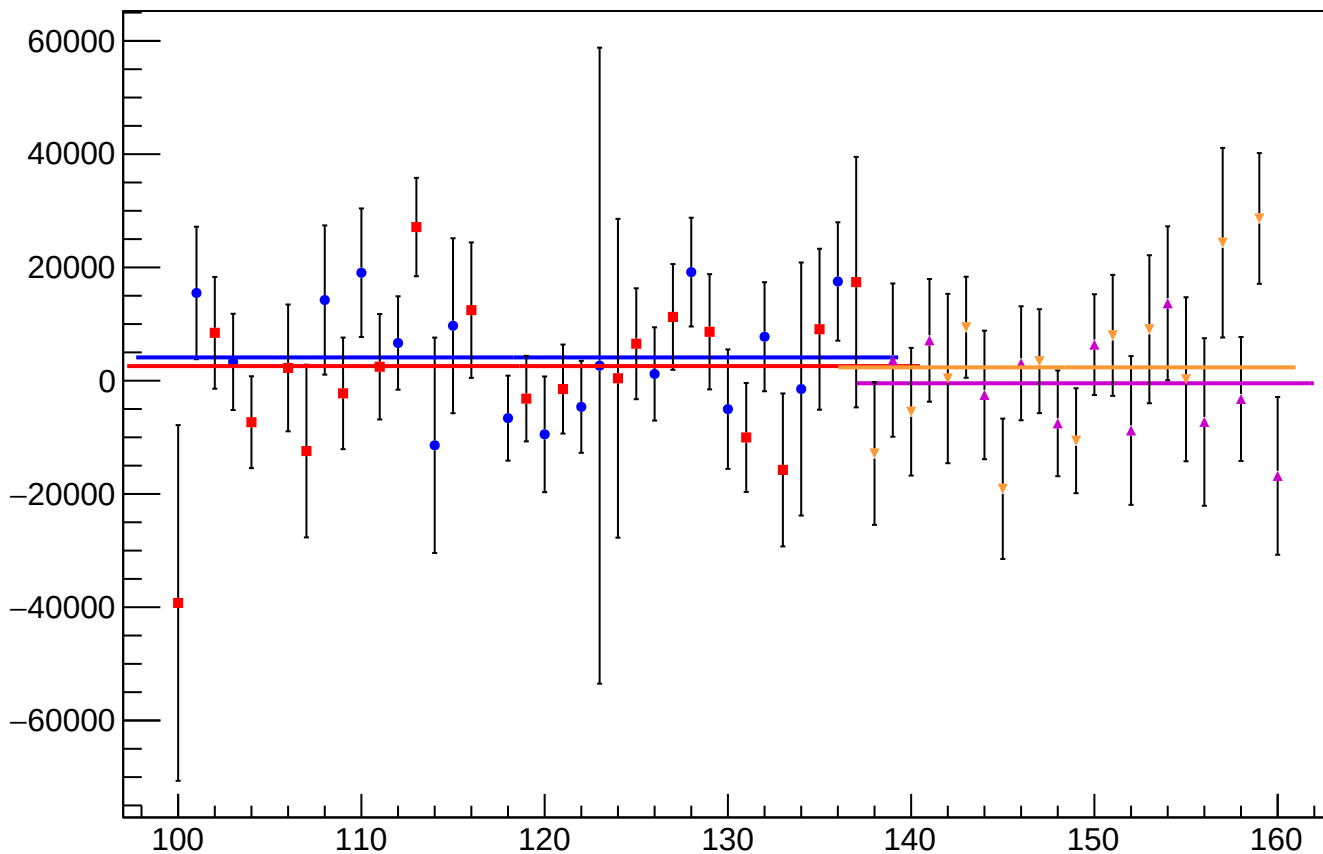
Left In: 9681.290+/-2.320 χ^2/NDF : 489044.2/10

1595.394+/-0.542 χ^2/NDF : 22334657.6/28

1354.056+/-0.360 χ^2/NDF : 48695665.6/5

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

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 2356.043+/-3302.553 χ^2/NDF : 15.0/11

Right Out: 2577.719+/-2420.480 χ^2/NDF : 20.0/18

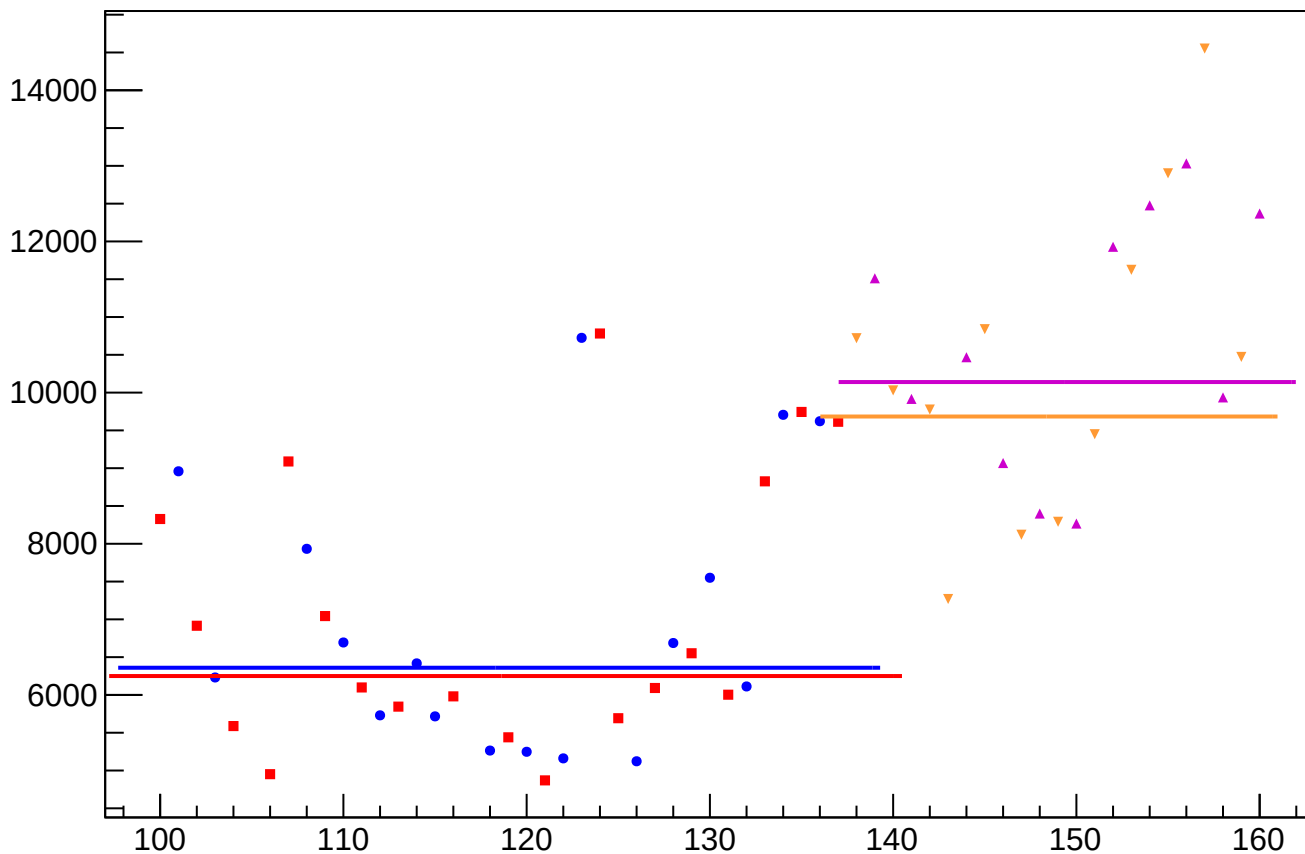
Left In: -451.742+/-3430.310 χ^2/NDF : 5.0/10

3461.024+/-2010.620 χ^2/NDF : 29.5/28

2500.282+/-1409.941 χ^2/NDF : 55.5/58

1570.739+/-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: 9683.674 $\pm$ 2.335 χ^2/NDF : 604840.1/11

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

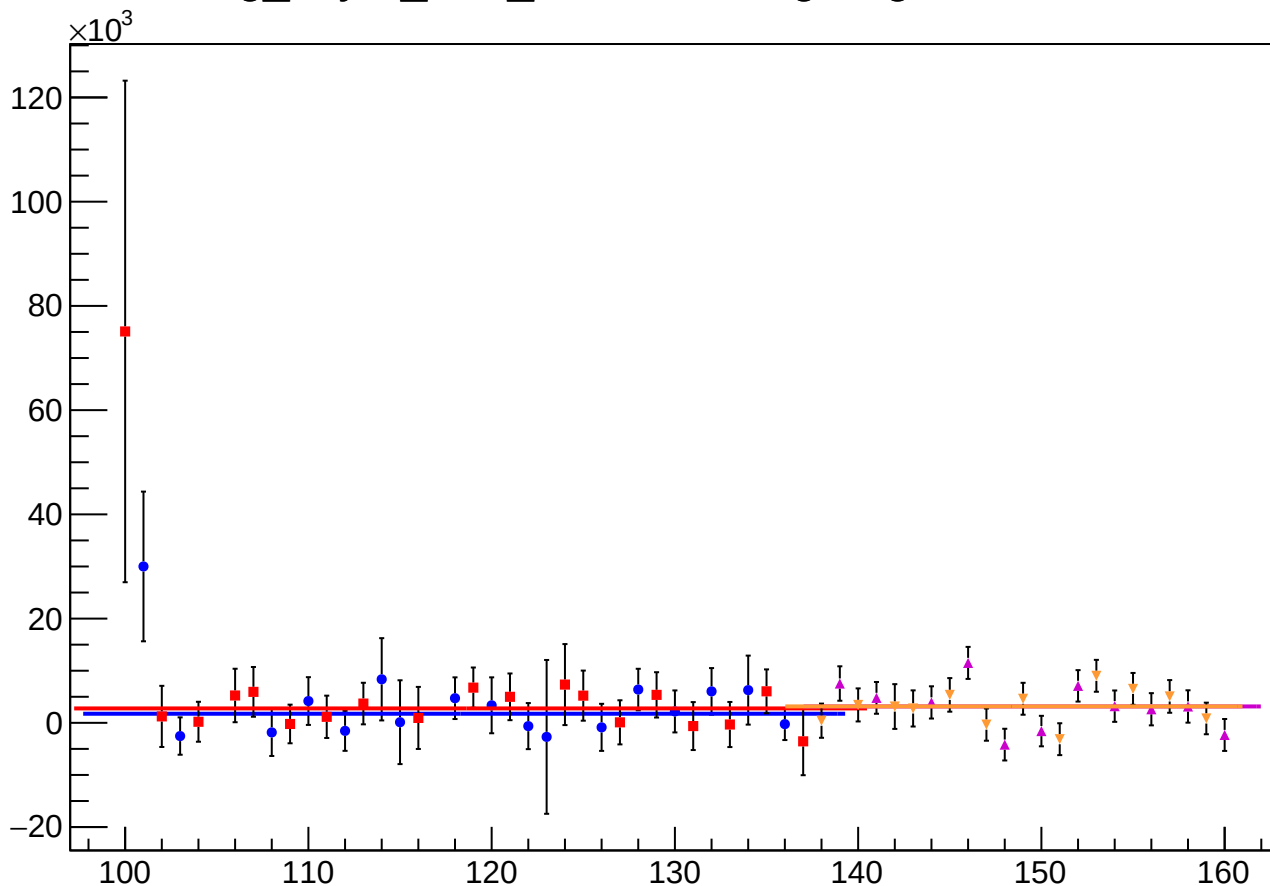
Left In: 10139.767 $\pm$ 2.426 χ^2/NDF : 428264.2/10

7591.857 $\pm$ 1.422 χ^2/NDF : 2460228.2/28

7566.971 $\pm$ 0.997 χ^2/NDF : 5138909.5/58

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

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3152.692+/-924.996 χ^2/NDF : 12.8/11

Right Out: 2763.863+/-1071.947 χ^2/NDF : 9.7/18

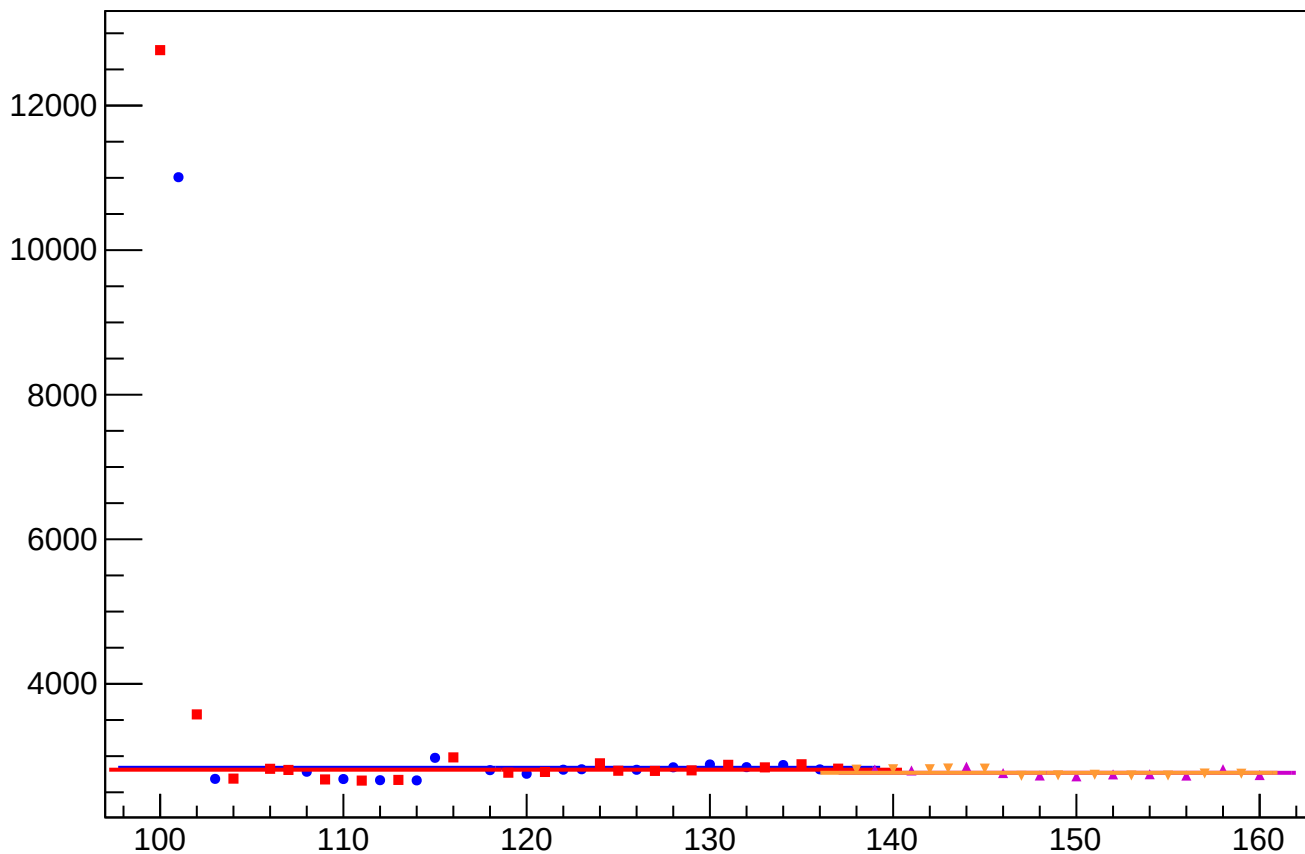
Left In: 3146.373+/-924.600 χ^2/NDF : 22.9/10

2587.409+/-715.391 χ^2/NDF : 25.9/28

2789.566+/-500.378 χ^2/NDF : 58.7/58

2983.194+/-700.137 χ^2/NDF : 32.6/29

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2838.737 $\pm$ 0.798 χ^2 /NDF: 660209.3/16

Left Out: 2769.959 $\pm$ 0.654 χ^2 /NDF: 3777.5/11

Right Out: 2812.627 $\pm$ 0.758 χ^2 /NDF: 133064.0/18

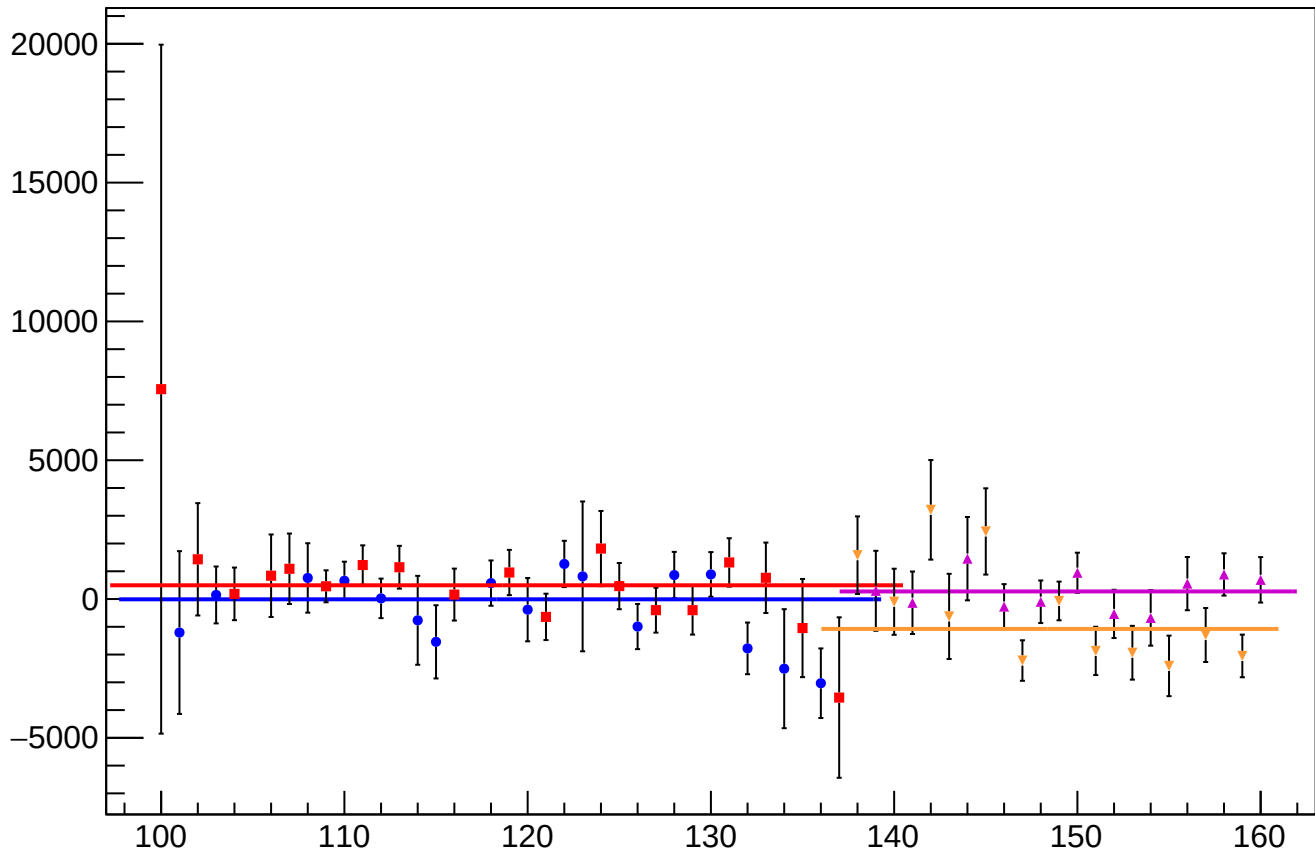
Left In: 2769.486 $\pm$ 0.654 χ^2 /NDF: 4191.9/10

2797.598 $\pm$ 0.506 χ^2 /NDF: 668430.2/28

2792.639 $\pm$ 0.354 χ^2 /NDF: 807731.7/58

2787.890 $\pm$ 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: -1076.342 ± 285.251 χ^2/NDF : 24.5/11

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

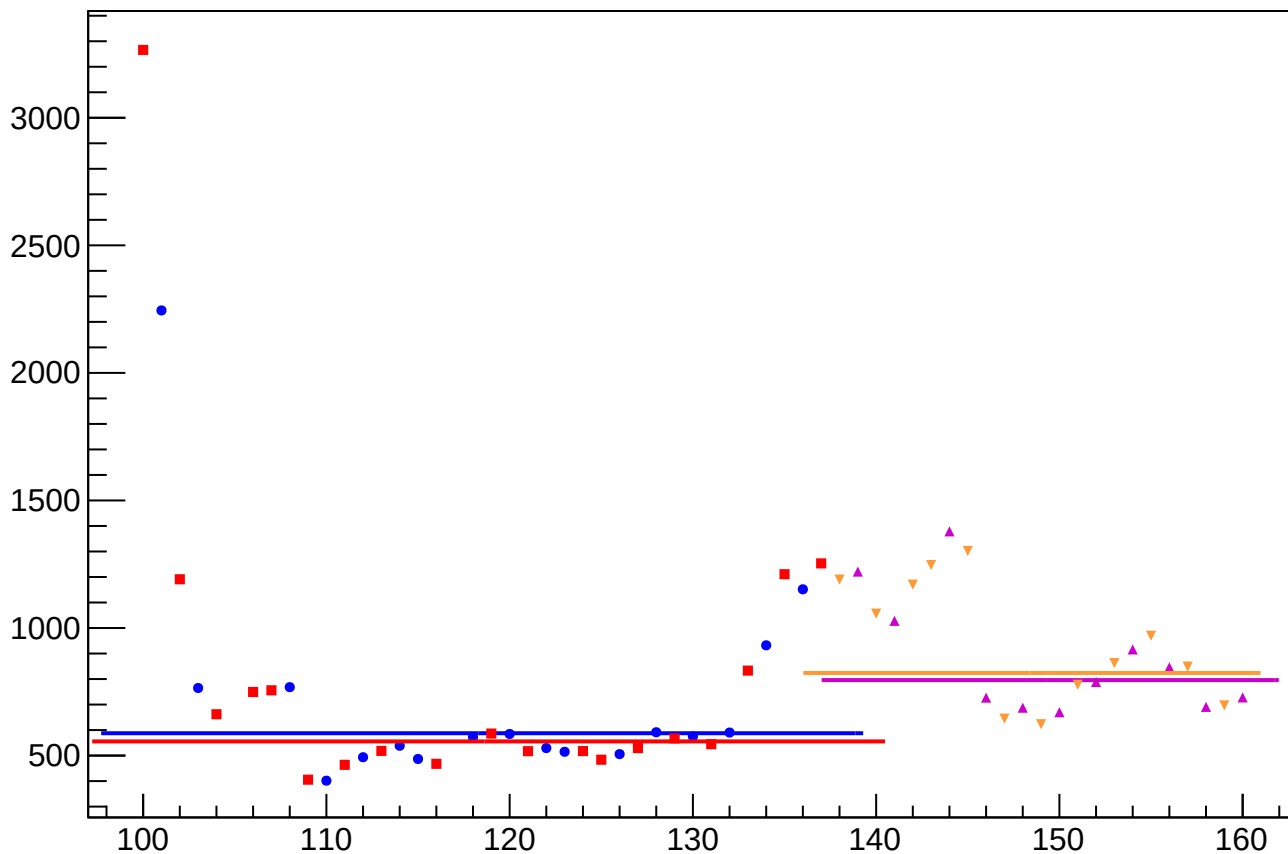
Left In: 273.478 ± 272.271 χ^2/NDF : 5.1/10

-455.502 ± 184.394 χ^2/NDF : 53.3/28

6.131 ± 125.704 χ^2/NDF : 82.4/58

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: 823.871+/-0.202 χ^2/NDF : 1017260.2/11

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

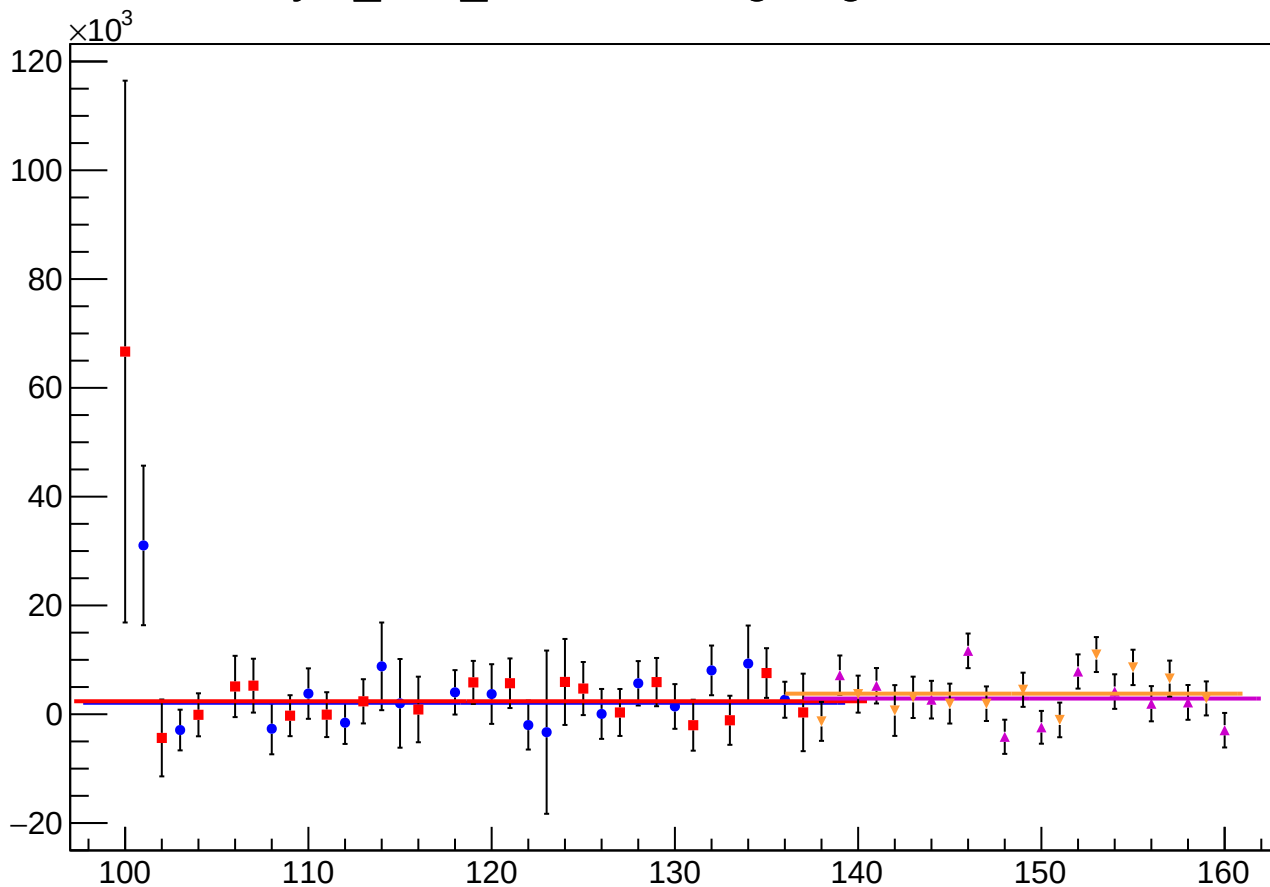
Left In: 795.912+/-0.193 χ^2/NDF : 762852.8/10

686.328+/-0.130 χ^2/NDF : 3241814.7/28

667.557+/-0.089 χ^2/NDF : 6088260.7/58

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

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2108.498 $\pm$ 1164.336 χ^2 /NDF: 13.5/16

Left Out: 3783.855 $\pm$ 981.161 χ^2 /NDF: 13.4/11

Right Out: 2385.851 $\pm$ 1110.248 χ^2 /NDF: 9.9/18

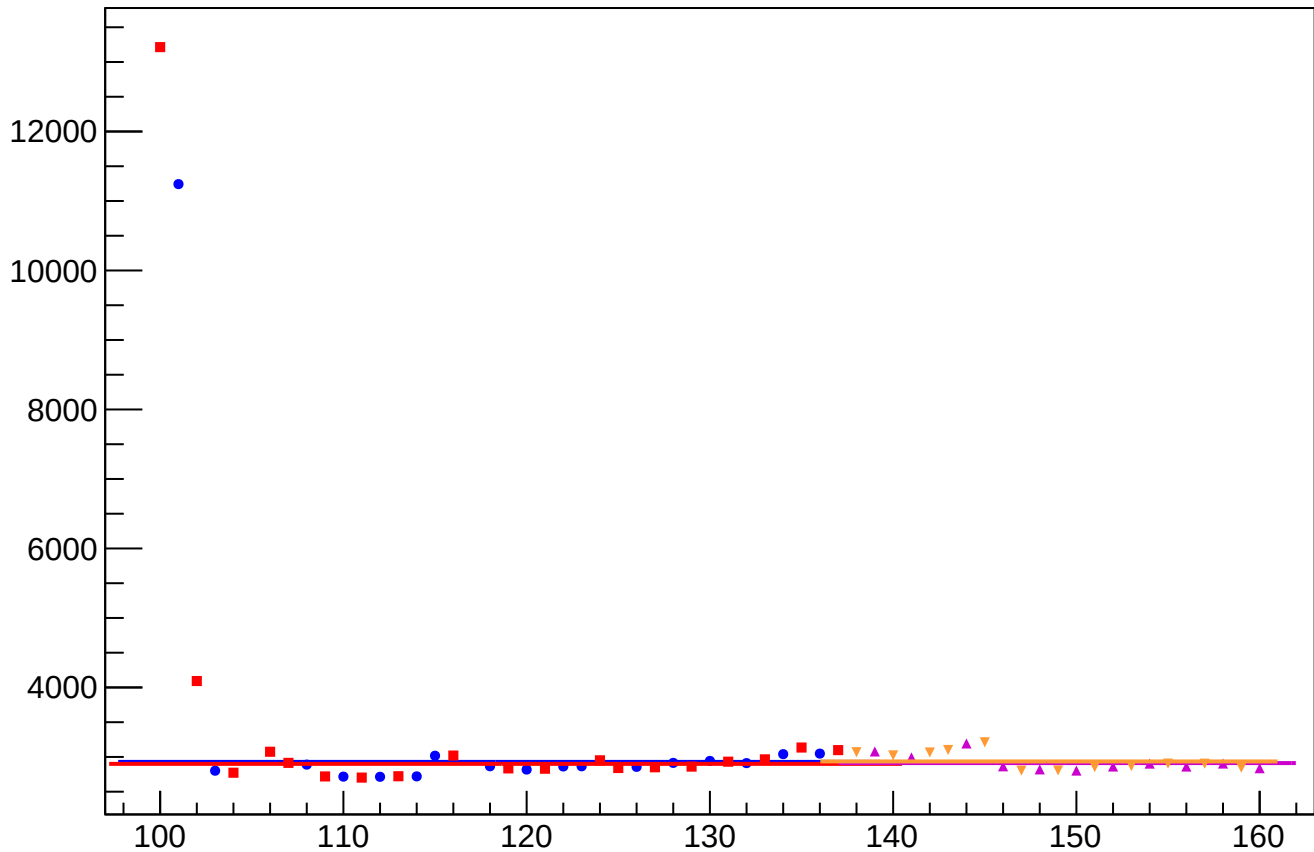
Left In: 2882.168 $\pm$ 972.684 χ^2 /NDF: 23.8/10

3088.178 $\pm$ 750.289 χ^2 /NDF: 28.1/28

2872.103 $\pm$ 523.810 χ^2 /NDF: 62.1/58

2666.646 $\pm$ 731.622 χ^2 /NDF: 33.8/29

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2928.700 $\pm$ 0.823 χ^2 /NDF: 662362.9/16

Left Out: 2935.297 $\pm$ 0.694 χ^2 /NDF: 31709.0/11

Right Out: 2900.472 $\pm$ 0.785 χ^2 /NDF: 169720.6/18

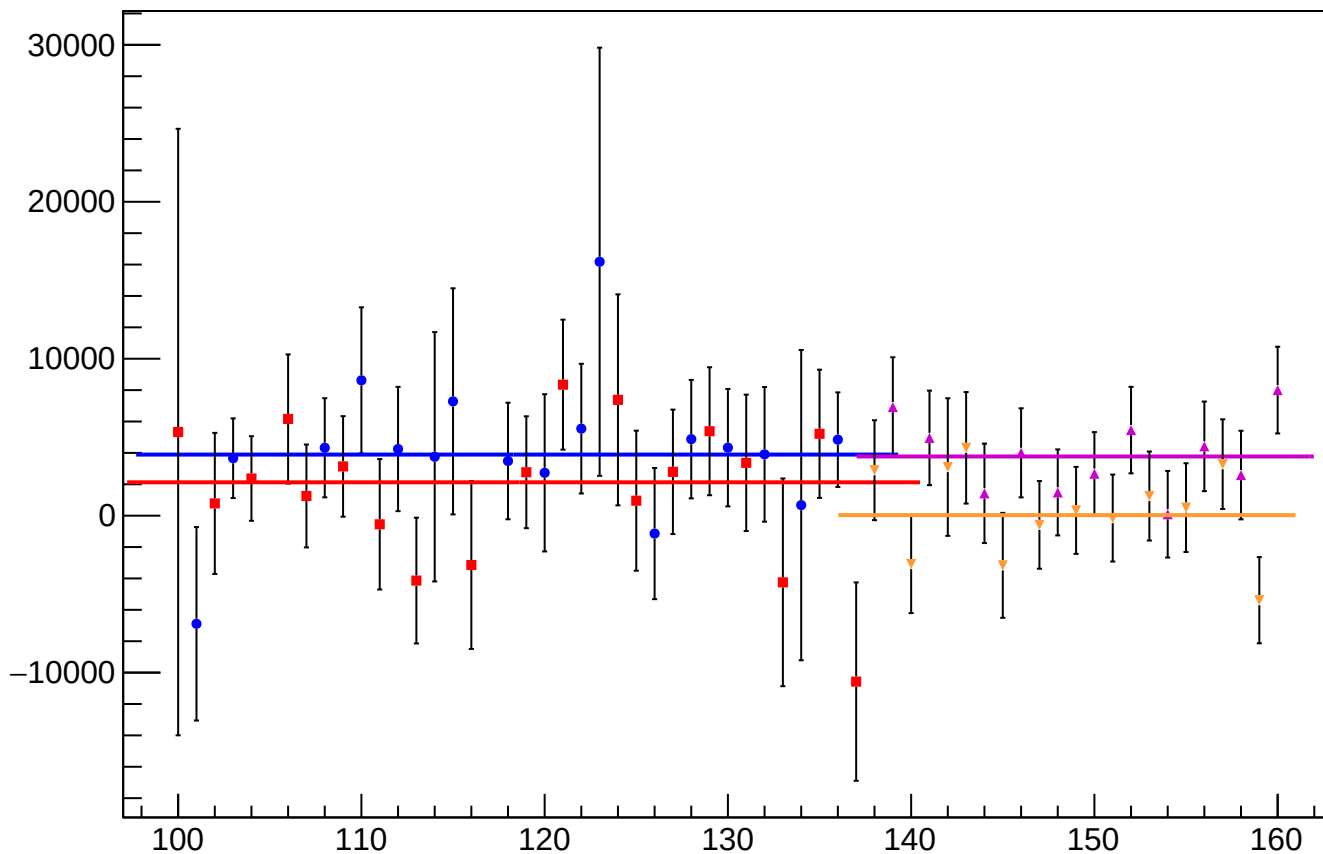
Left In: 2911.763 $\pm$ 0.688 χ^2 /NDF: 25514.1/10

2932.558 $\pm$ 0.531 χ^2 /NDF: 694109.5/28

2919.385 $\pm$ 0.370 χ^2 /NDF: 890663.8/58

2906.860 $\pm$ 0.517 χ^2 /NDF: 195351.7/29

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 35.265+/-872.027 χ^2/NDF :10.1/11

Right Out: 2124.700+/-958.418 χ^2/NDF : 14.3/18

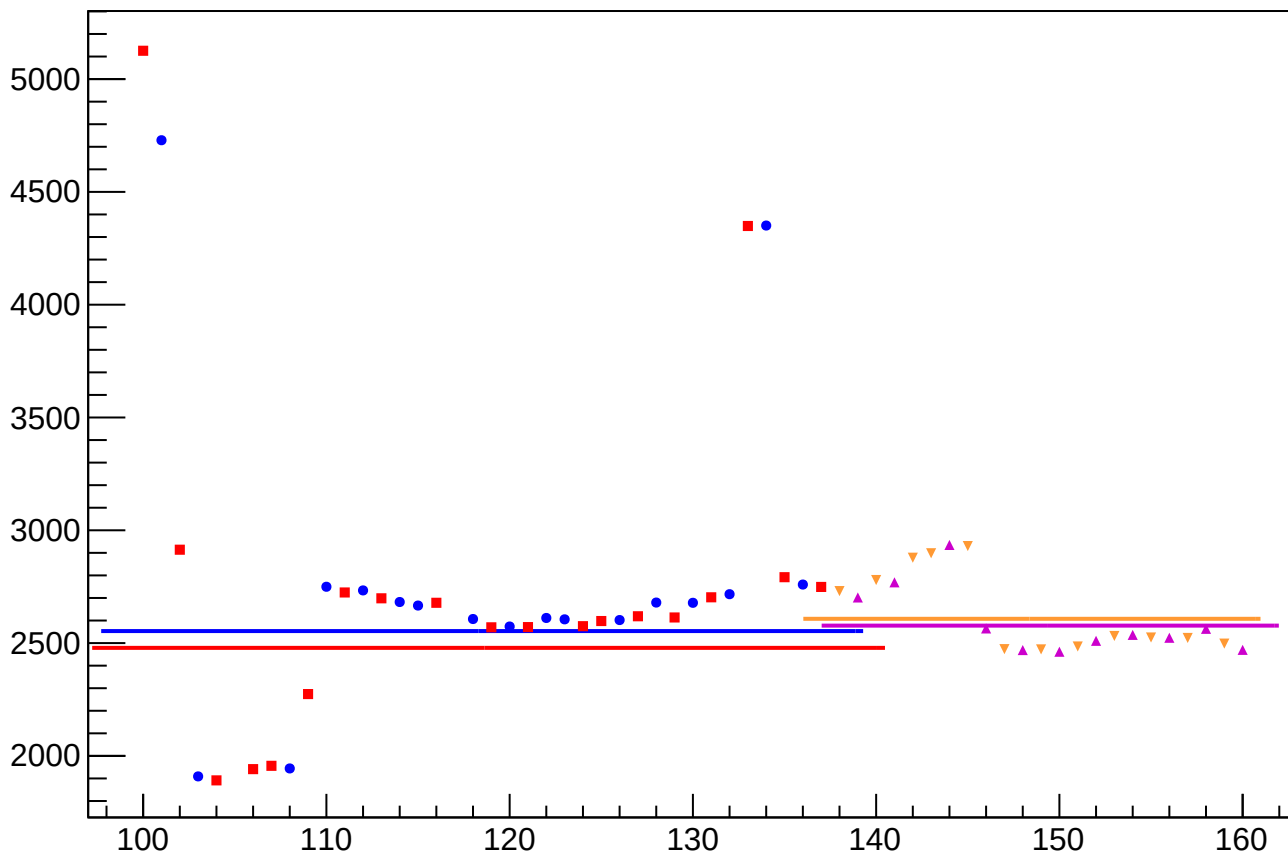
Left In: 3771.228+/-860.259 χ^2/NDF :7.3/10

1679.410+/-660.528 χ^2/NDF : 25.6/28

2379.203+/-459.707 χ^2/NDF : 51.0/58

3036.574+/-640.195 χ^2/NDF : 23.3/29

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.280 $\pm$ 0.715 χ^2/NDF : 545226.9/16

Left Out: 2607.667 $\pm$ 0.617 χ^2/NDF : 70104.3/11

Right Out: 2478.860 $\pm$ 0.678 χ^2/NDF : 449502.6/18

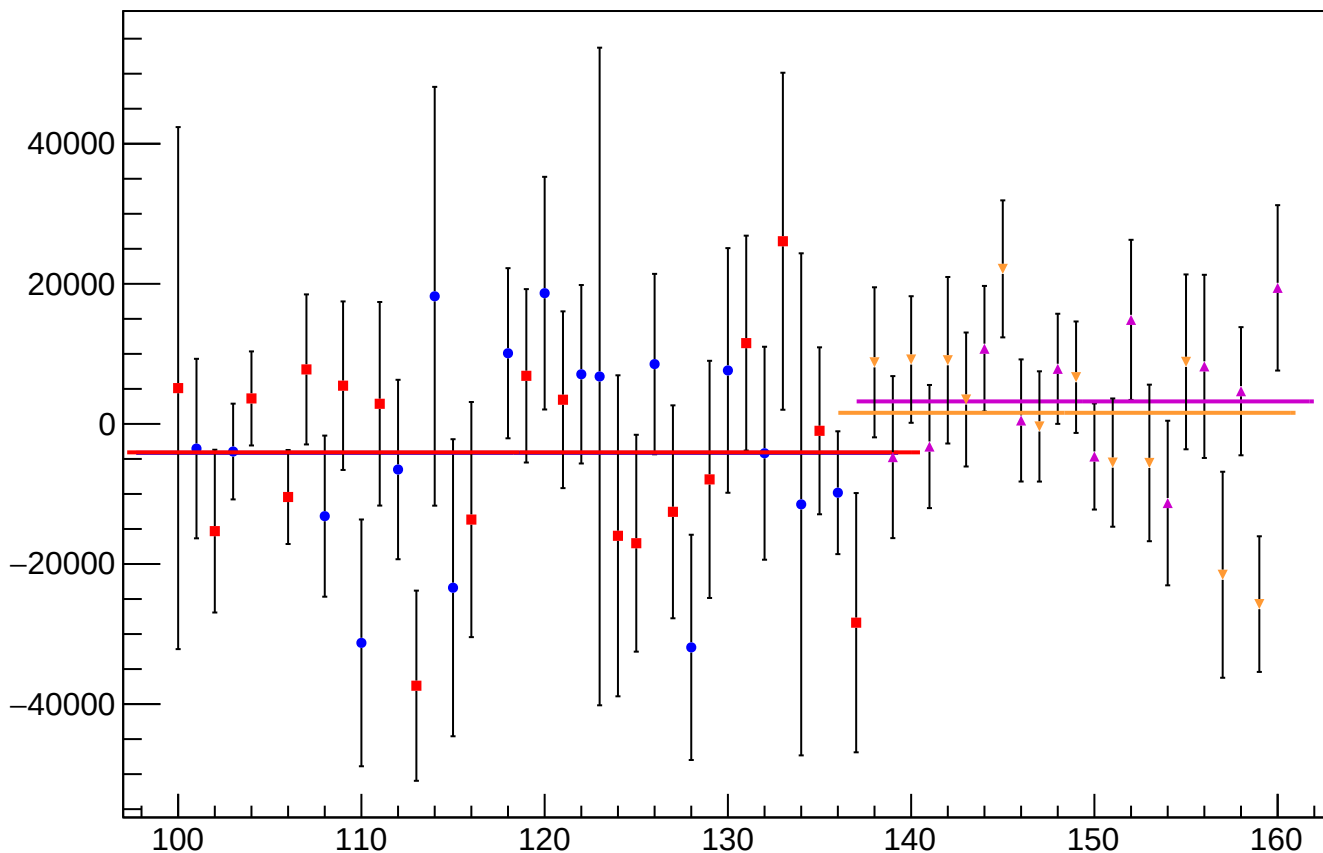
Left In: 2577.442 $\pm$ 0.608 χ^2/NDF : 49098.2/10

2584.485 $\pm$ 0.467 χ^2/NDF : 618647.2/28

2558.173 $\pm$ 0.325 χ^2/NDF : 1135121.5/58

2533.456 $\pm$ 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: 1586.058+/-2851.330 χ^2/NDF : 18.3/11

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

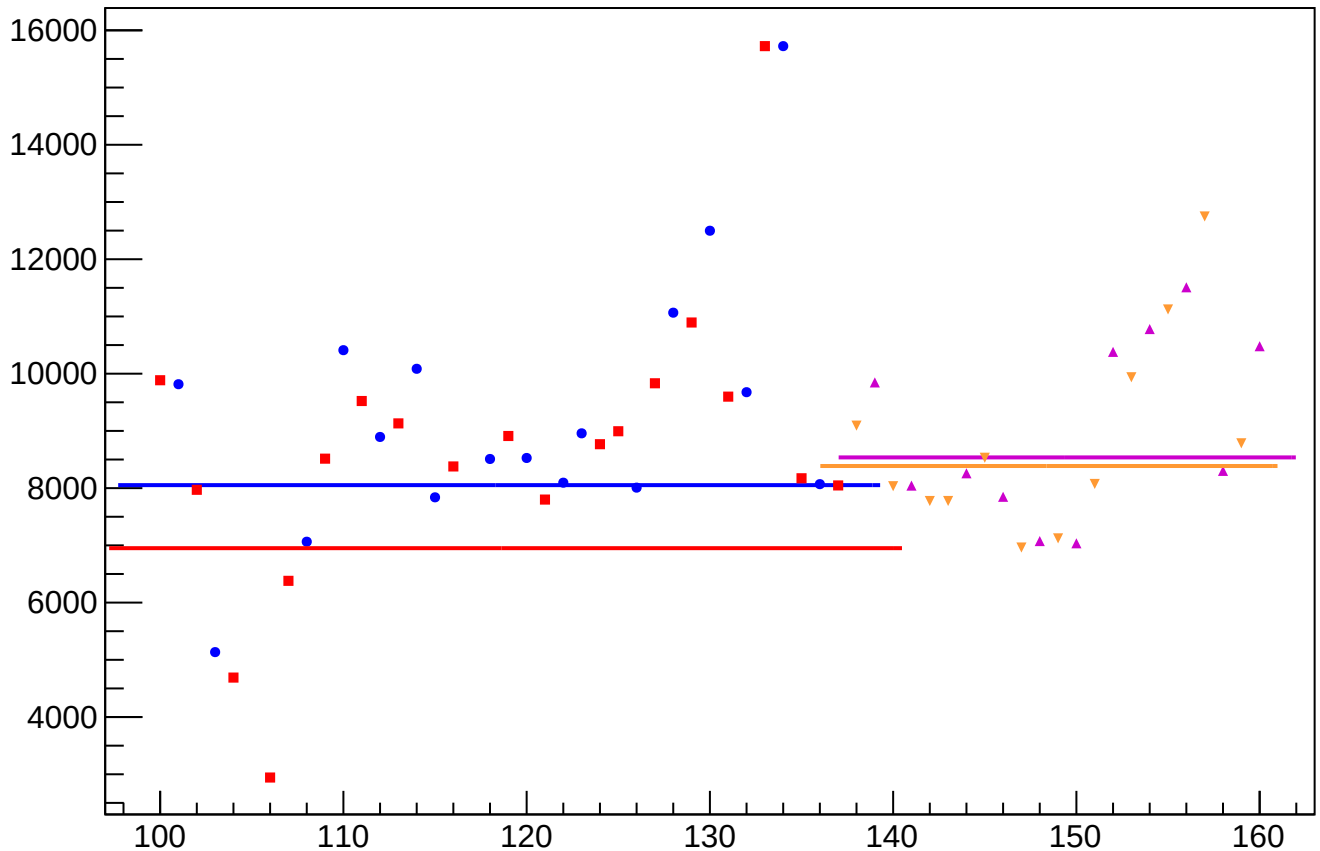
Left In: 3213.812+/-2893.029 χ^2/NDF : 7.9/10

-918.384+/-2136.741 χ^2/NDF : 33.4/28

-696.771+/-1469.657 χ^2/NDF : 63.0/58

-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: 8386.641 $\pm$ 2.016 χ^2 /NDF: 457690.3/11

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

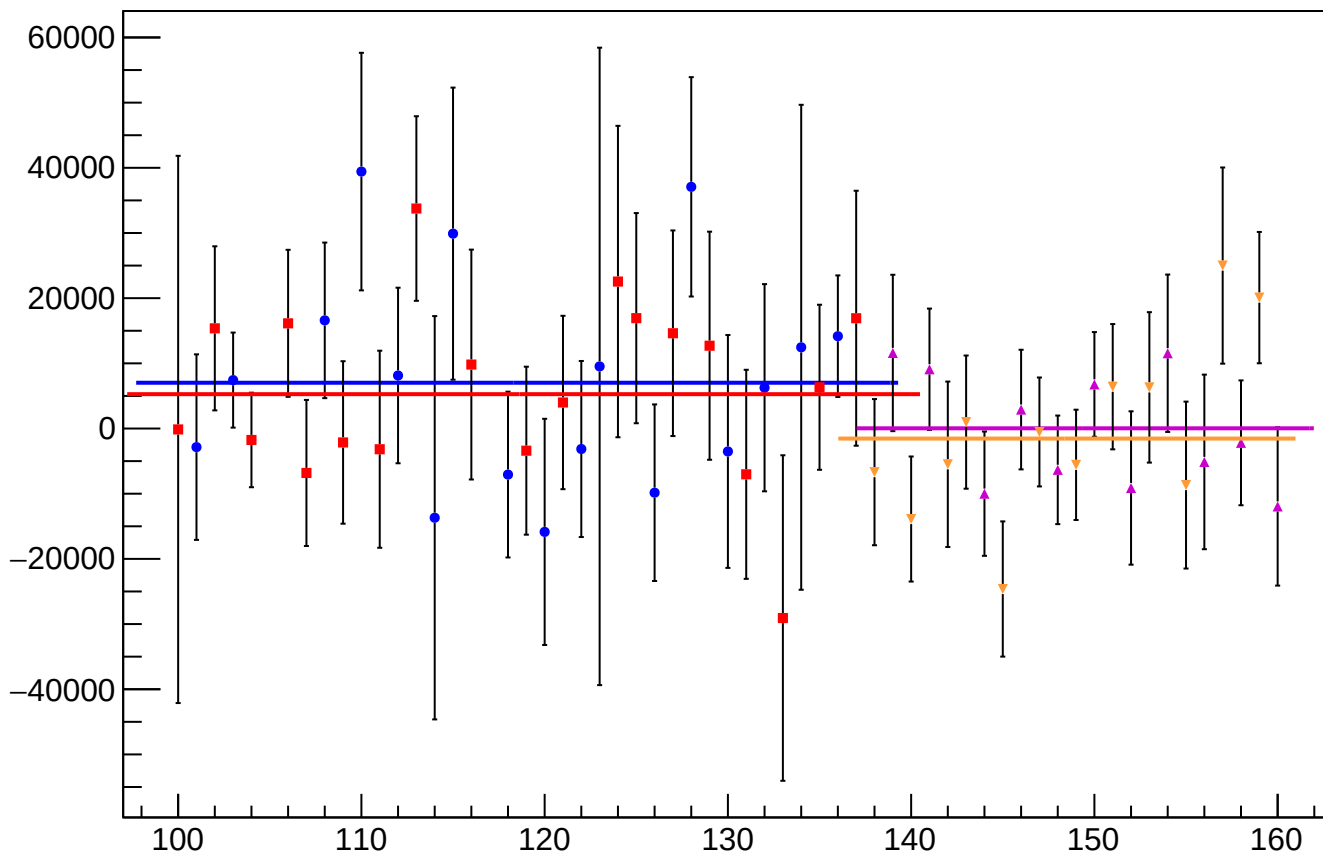
Left In: 8536.920 $\pm$ 2.046 χ^2 /NDF: 477771.9/10

8240.169 $\pm$ 1.511 χ^2 /NDF: 1260452.5/28

7970.123 $\pm$ 1.039 χ^2 /NDF: 3882117.8/58

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: -1539.066+/-3003.076 χ^2/NDF : 16.4/11

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

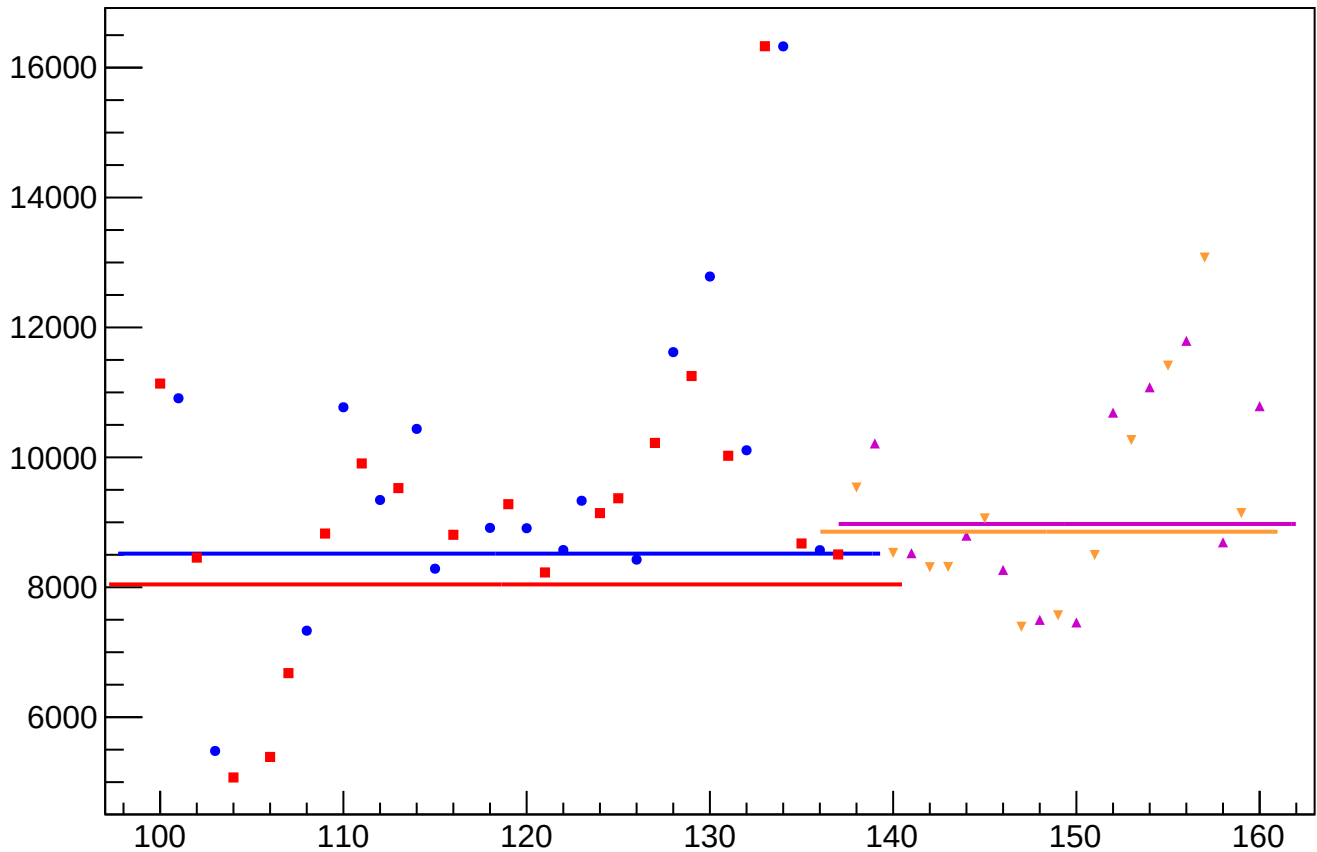
Left In: 33.345+/-3034.062 χ^2/NDF : 7.1/10

2202.543+/-2253.556 χ^2/NDF : 35.0/28

2375.655+/-1571.028 χ^2/NDF : 56.8/58

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: 8855.518 $\pm$ 2.123 χ^2/NDF : 398701.2/11

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

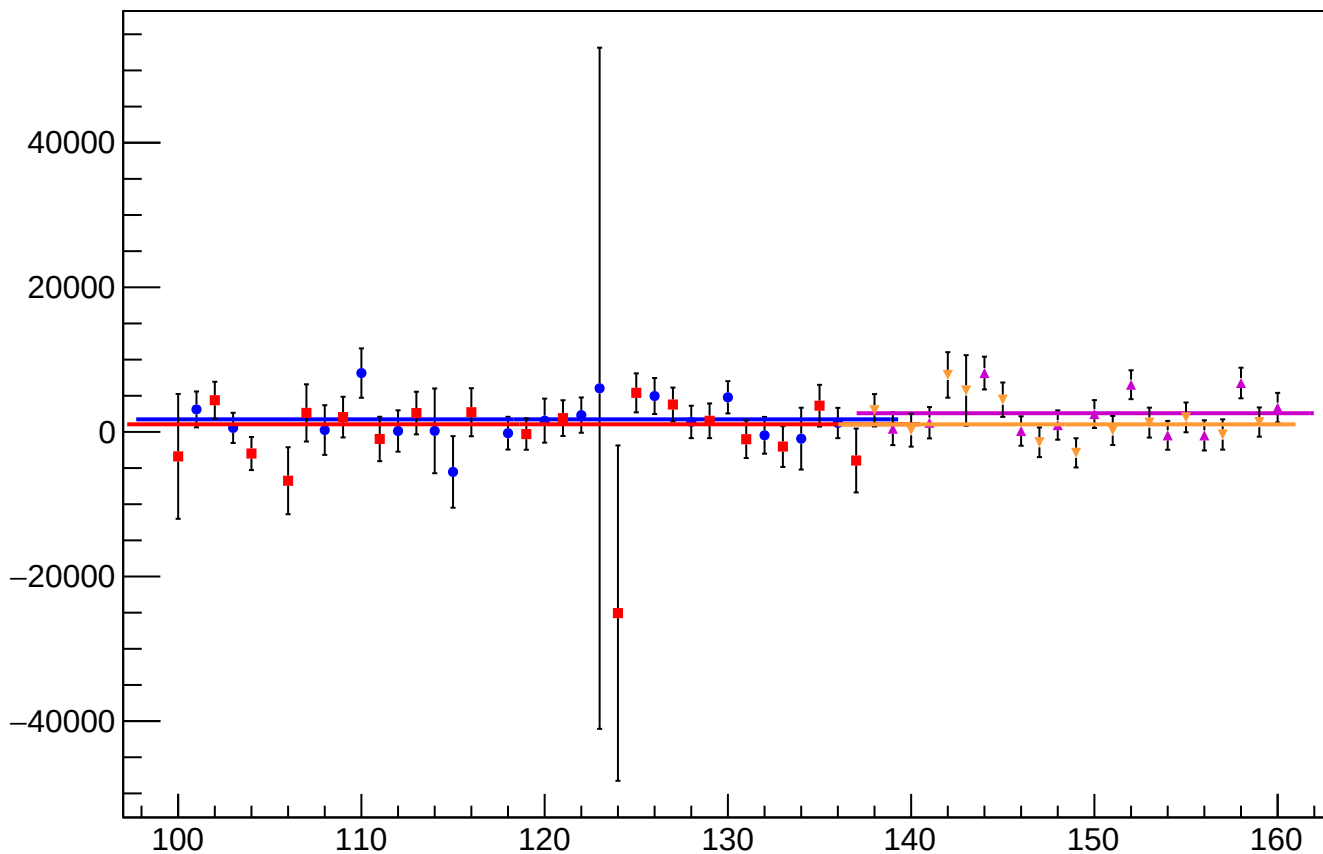
Left In: 8974.639 $\pm$ 2.145 χ^2/NDF : 410927.5/10

8708.015 $\pm$ 1.594 χ^2/NDF : 1173027.0/28

8616.214 $\pm$ 1.111 χ^2/NDF : 2632556.8/58

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: 1046.712+/-647.870 χ^2/NDF : 14.7/11

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

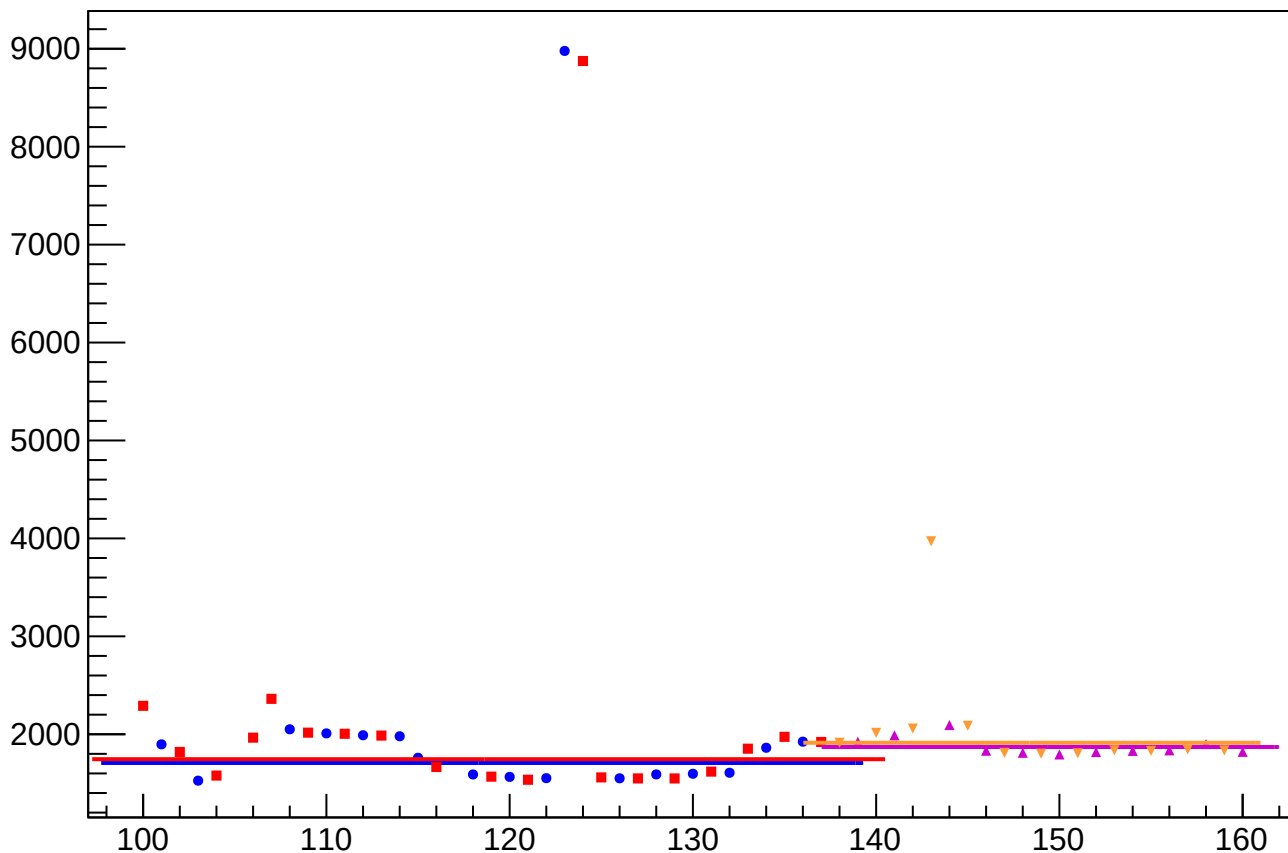
Left In: 2586.707+/-626.238 χ^2/NDF : 21.8/10

1381.340+/-465.873 χ^2/NDF : 27.7/28

1631.913+/-326.537 χ^2/NDF : 71.7/58

1873.898+/-457.819 χ^2/NDF : 43.5/29

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1706.867 $\pm$ 0.474 χ^2 /NDF: 197555.1/16

Left Out: 1913.277 $\pm$ 0.458 χ^2 /NDF: 401196.8/11

Right Out: 1745.434 $\pm$ 0.472 χ^2 /NDF: 399811.9/18

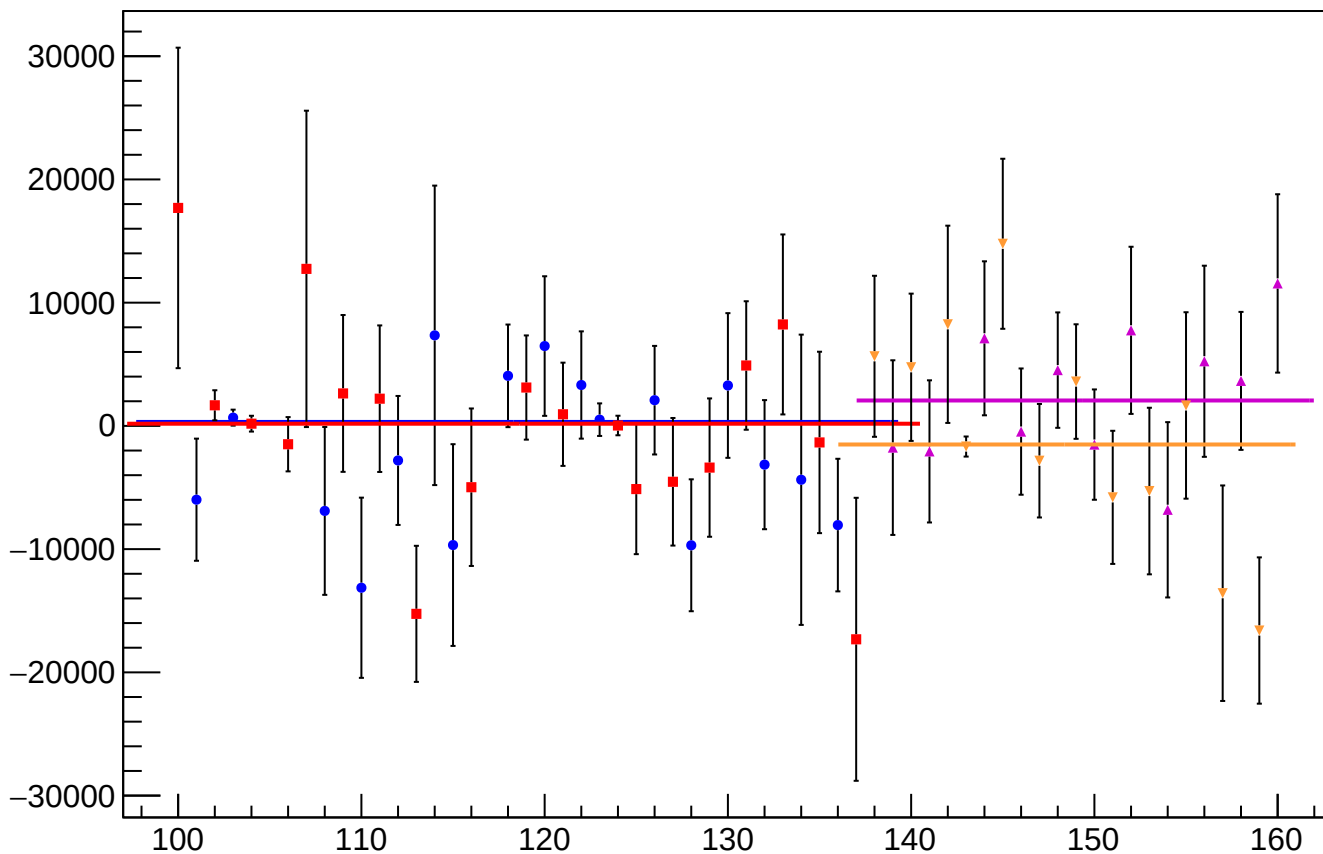
Left In: 1869.971 $\pm$ 0.443 χ^2 /NDF: 36541.1/10

1813.598 $\pm$ 0.329 χ^2 /NDF: 696789.1/28

1812.639 $\pm$ 0.231 χ^2 /NDF: 1170157.0/58

1811.716 $\pm$ 0.323 χ^2 /NDF: 473351.2/29

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1508.570+/-744.683 χ^2/NDF : 20.2/11

Right Out: 176.640+/-433.552 χ^2/NDF : 20.8/18

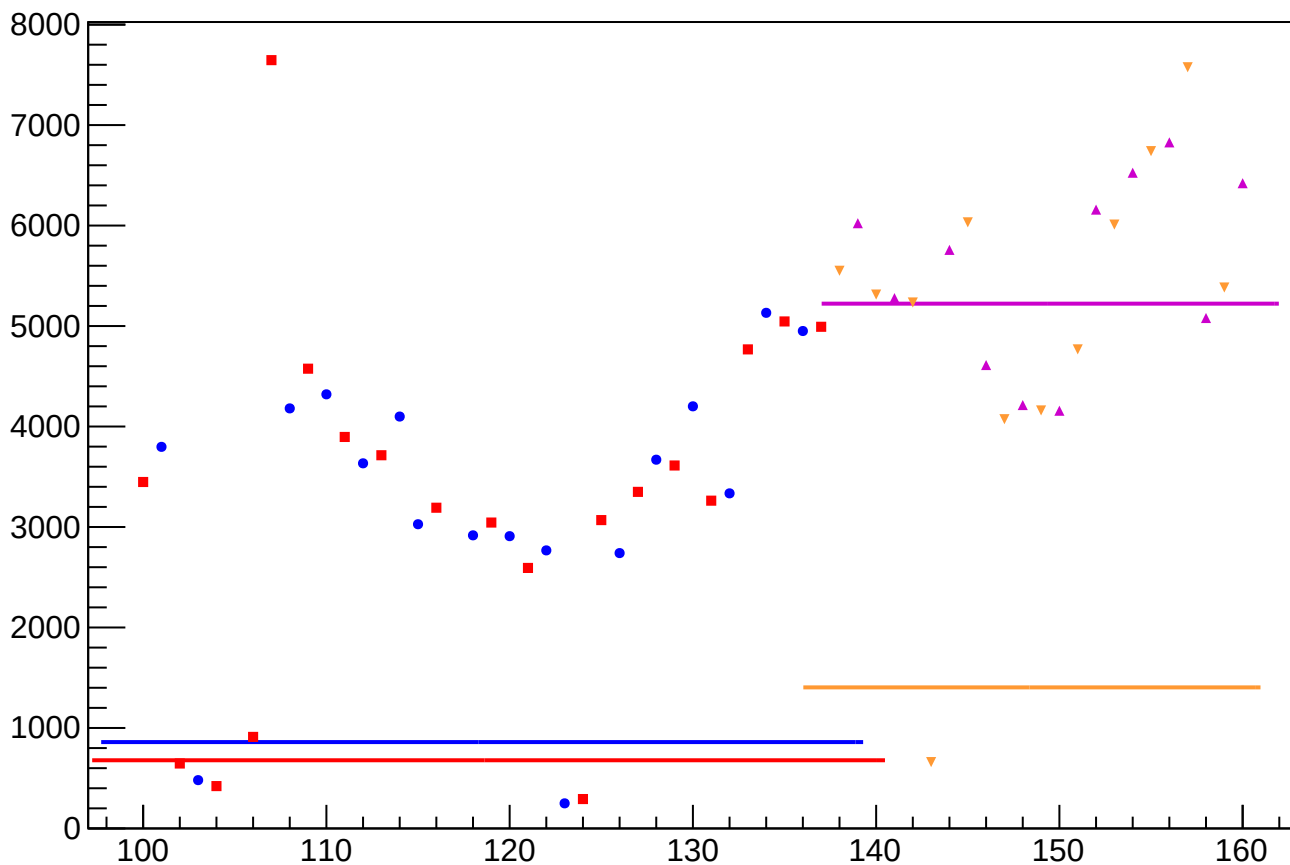
Left In: 2062.067+/-1772.352 χ^2/NDF : 6.8/10

-310.157+/-437.364 χ^2/NDF : 42.1/28

-2.322+/-303.362 χ^2/NDF : 71.8/58

283.091+/-421.135 χ^2/NDF : 28.7/29

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 859.557 $\pm$ 0.382 χ^2 /NDF: 8143264.5/16

Left Out: 1403.894 $\pm$ 0.527 χ^2 /NDF: 10656070.8/11

Right Out: 678.603 $\pm$ 0.307 χ^2 /NDF: 8384814.2/18

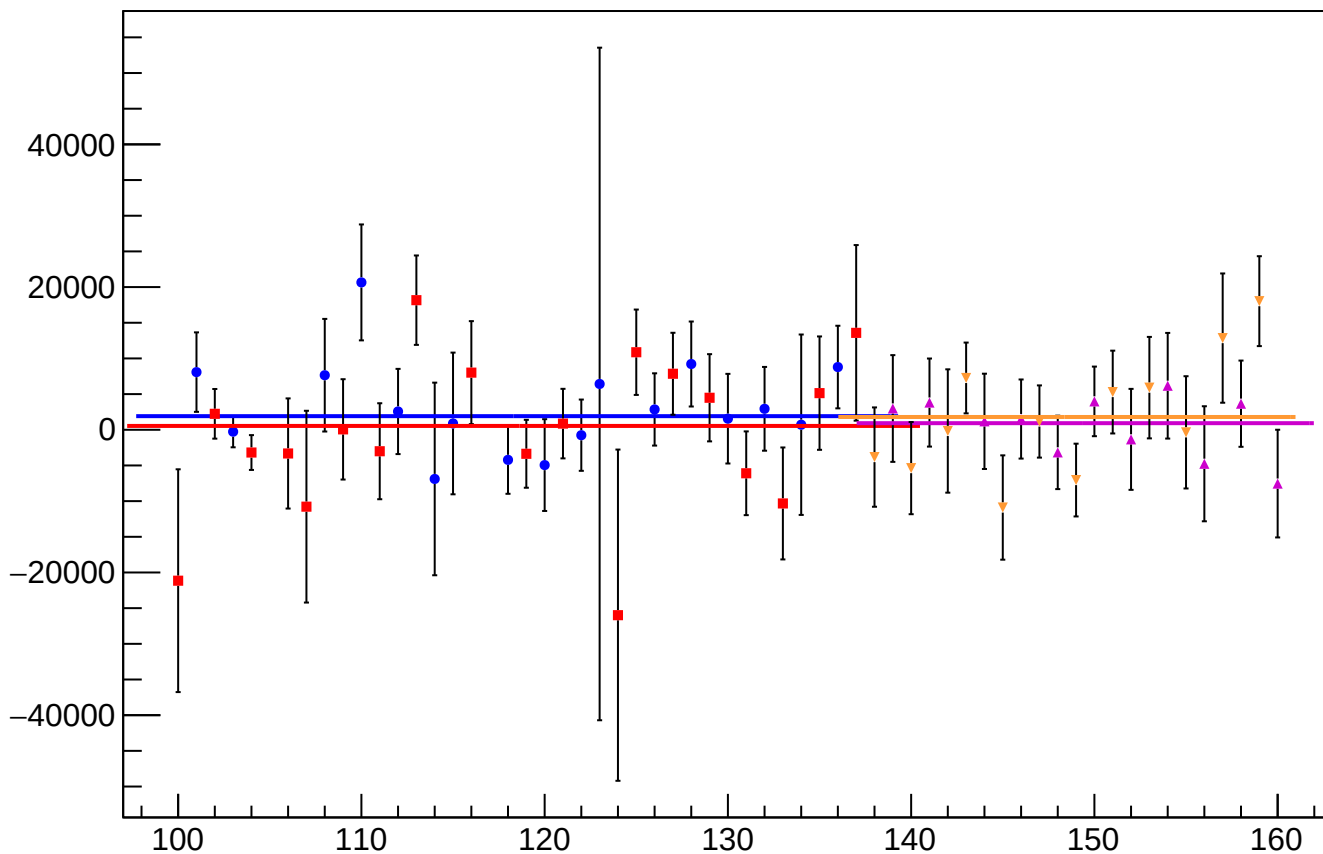
Left In: 5222.717 $\pm$ 1.253 χ^2 /NDF: 522071.8/10

1047.320 $\pm$ 0.309 χ^2 /NDF: 19499345.7/28

989.123 $\pm$ 0.215 χ^2 /NDF: 40879251.0/58

935.164 $\pm$ 0.298 χ^2 /NDF: 21311660.2/29

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1909.348 $\pm$ 1310.219 χ^2/NDF : 14.6/16

Left Out: 1793.805 $\pm$ 1832.174 χ^2/NDF : 18.1/11

Right Out: 539.549 $\pm$ 1285.817 χ^2/NDF : 26.4/18

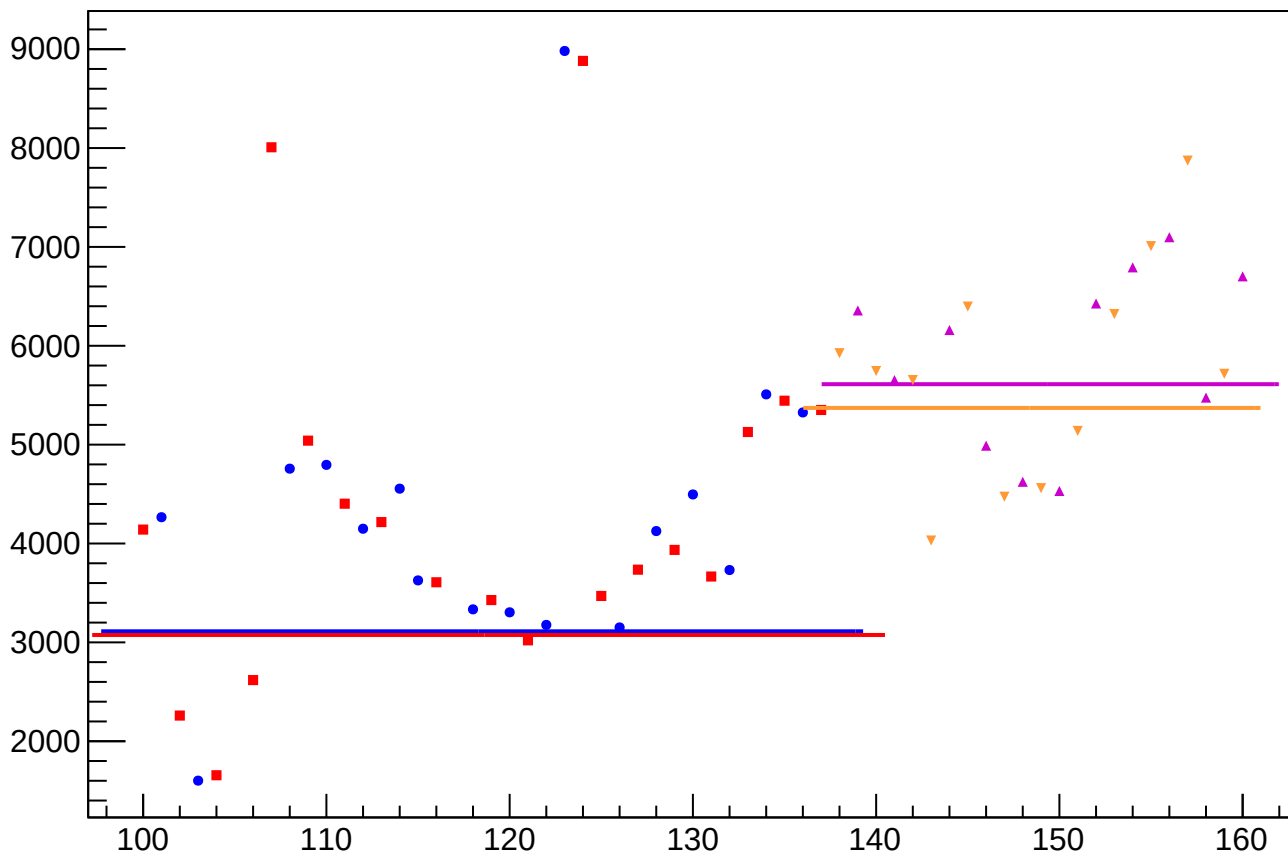
Left In: 925.684 $\pm$ 1898.525 χ^2/NDF : 3.9/10

1870.253 $\pm$ 1065.750 χ^2/NDF : 32.7/28

1264.974 $\pm$ 753.201 χ^2/NDF : 63.7/58

660.971 $\pm$ 1064.625 χ^2/NDF : 30.3/29

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3111.825 $\pm$ 0.926 χ^2 /NDF: 1879558.6/16

Left Out: 5371.493 $\pm$ 1.296 χ^2 /NDF: 604642.5/11

Right Out: 3074.771 $\pm$ 0.896 χ^2 /NDF: 2005627.6/18

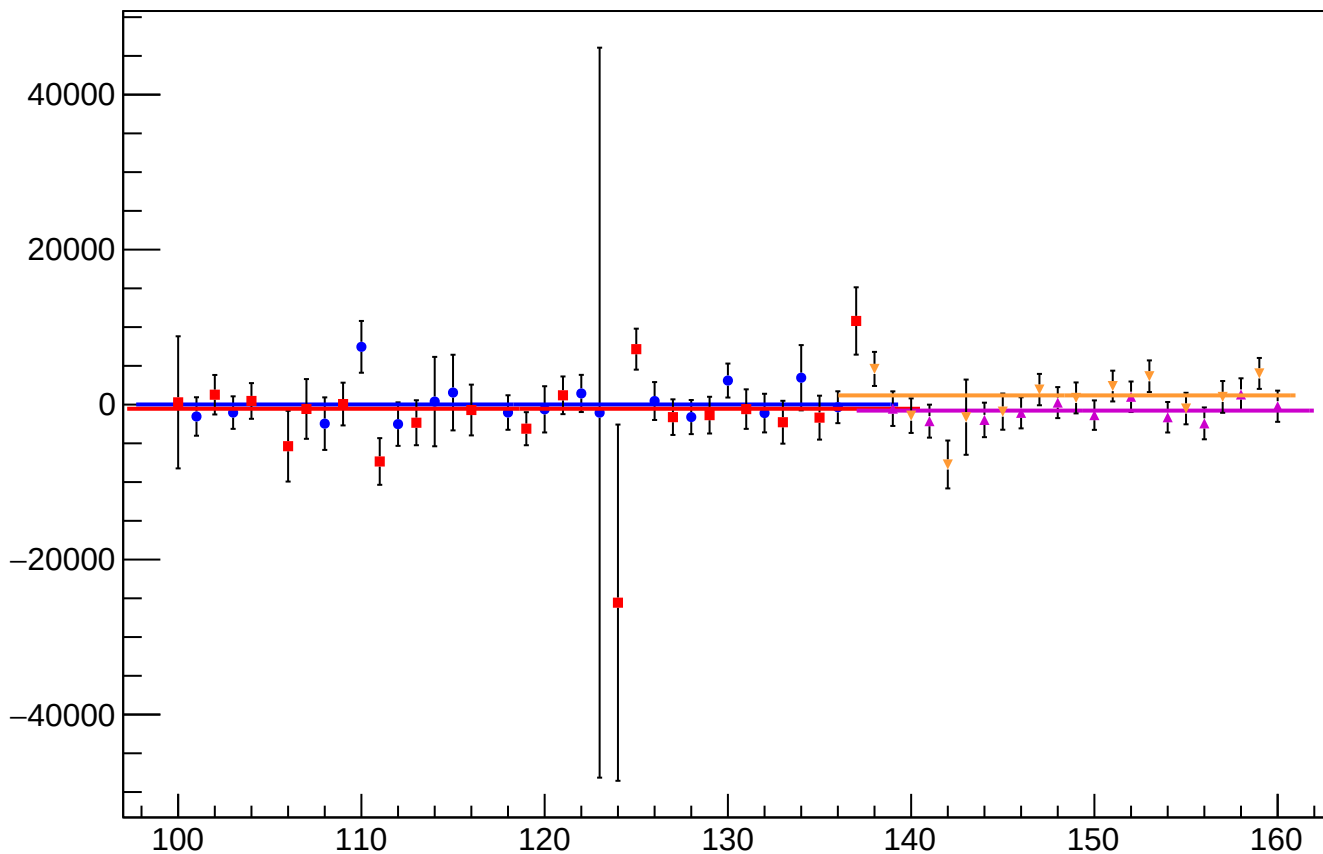
Left In: 5611.444 $\pm$ 1.342 χ^2 /NDF: 418650.9/10

3876.397 $\pm$ 0.754 χ^2 /NDF: 4497044.1/28

3866.385 $\pm$ 0.530 χ^2 /NDF: 9391701.8/58

3856.592 $\pm$ 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: 1186.520+/-638.112 χ^2 /NDF: 18.0/11

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

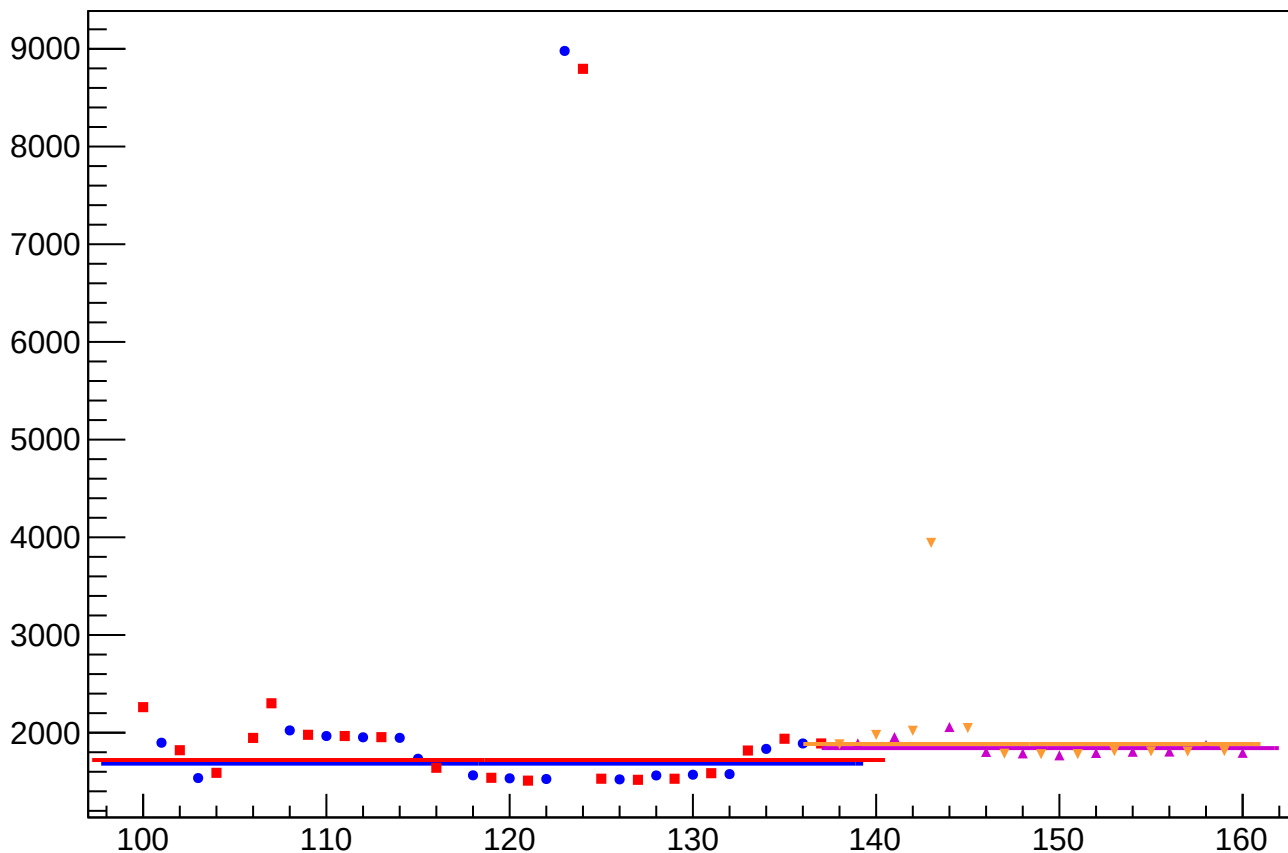
Left In: -775.364+/-616.936 χ^2 /NDF: 3.8/10

621.058+/-459.125 χ^2 /NDF: 30.7/28

-33.184+/-321.761 χ^2 /NDF: 65.3/58

-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: 1884.355+/-0.451 χ^2/NDF : 403433.8/11

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

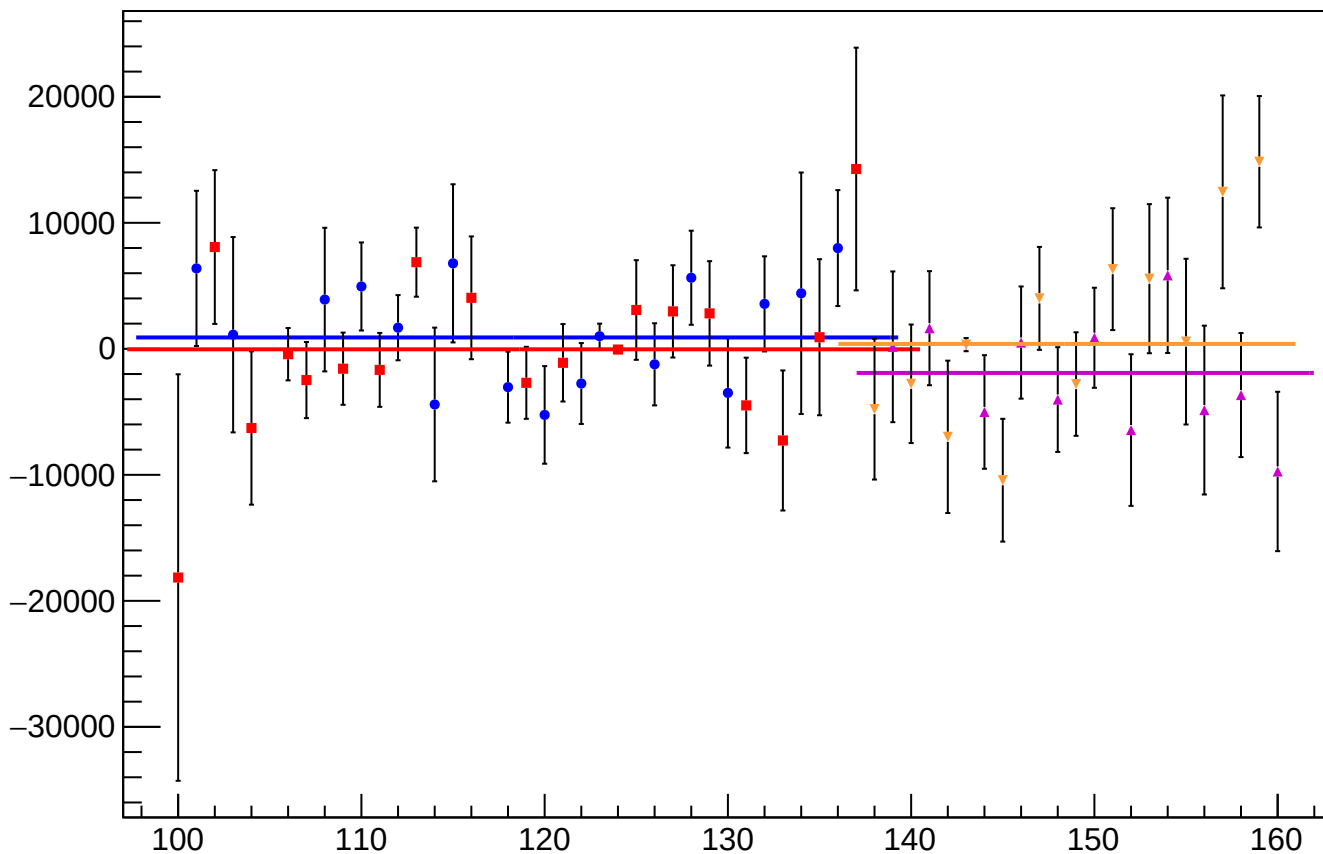
Left In: 1842.240+/-0.436 χ^2/NDF : 34860.3/10

1787.364+/-0.325 χ^2/NDF : 695129.0/28

1786.290+/-0.227 χ^2/NDF : 1162599.8/58

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: 388.981 $\pm$ 495.224 χ^2/NDF : 21.6/11

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

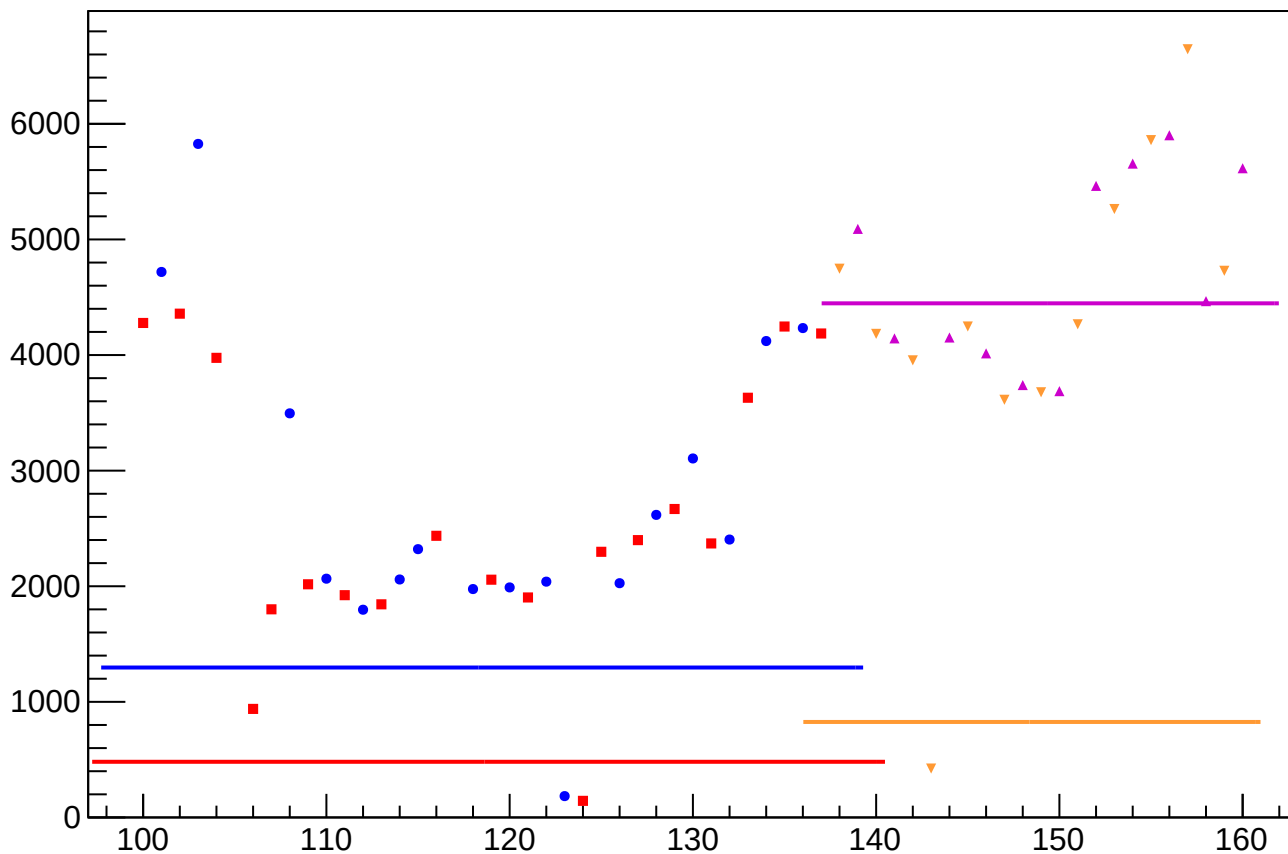
Left In: -1912.964 $\pm$ 1507.129 χ^2/NDF : 6.2/10

558.744 $\pm$ 405.344 χ^2/NDF : 37.9/28

157.292 $\pm$ 263.843 χ^2/NDF : 67.9/58

-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: 826.085+/-0.350 χ^2/NDF : 12196526.5/11

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

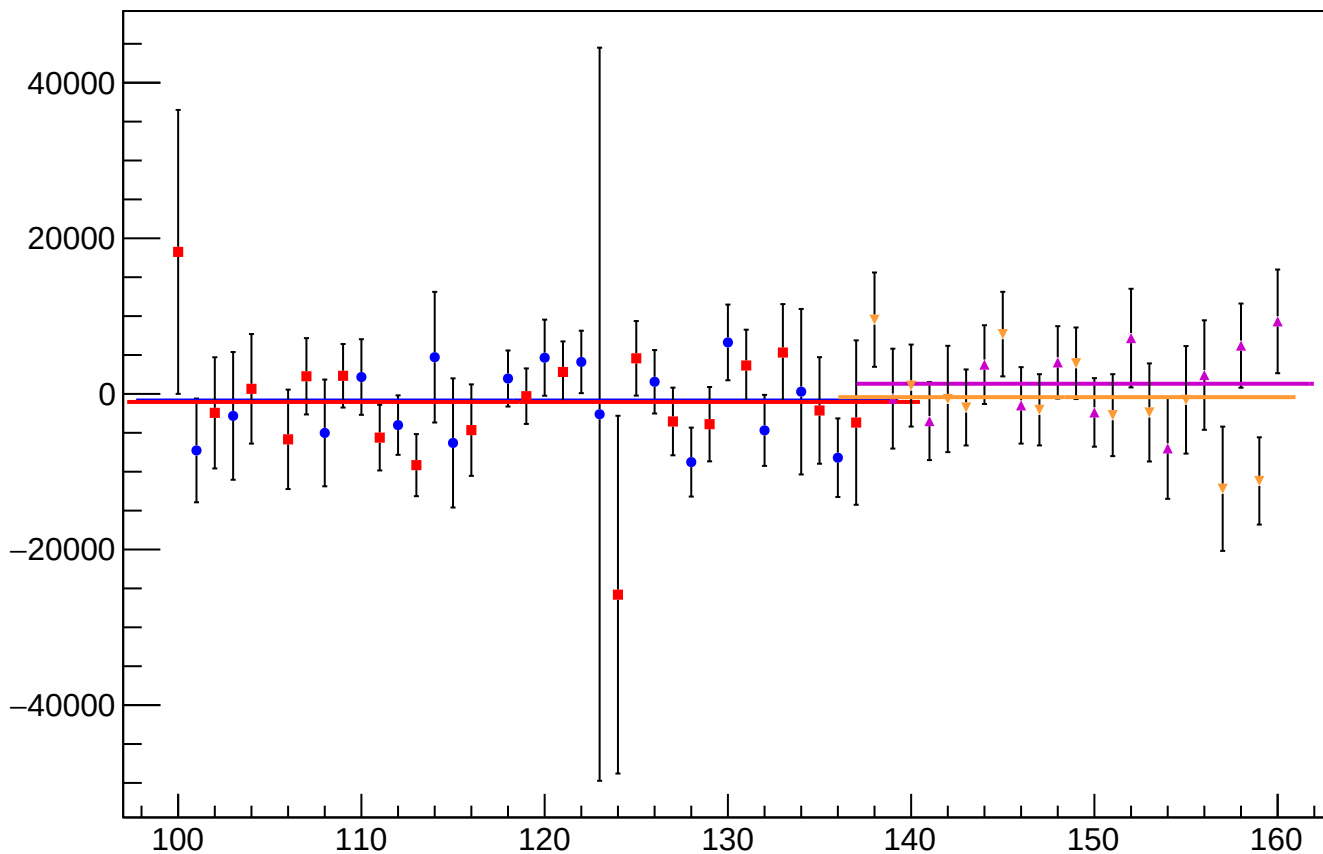
Left In: 4447.336+/-1.066 χ^2/NDF : 487181.5/10

981.510+/-0.287 χ^2/NDF : 19303026.7/28

814.932+/-0.187 χ^2/NDF : 43631885.6/58

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: -416.867 ± 1611.424 χ^2/NDF : 12.3/11

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

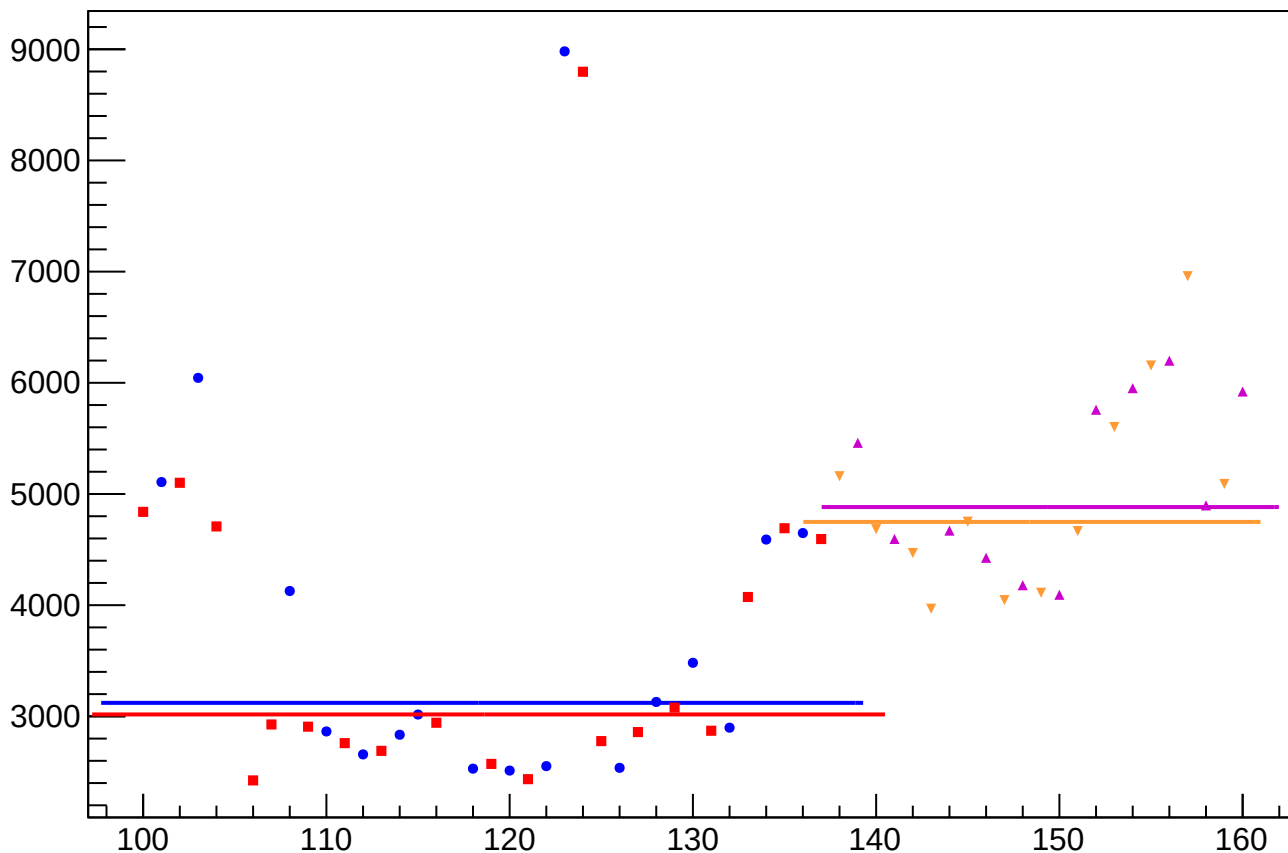
Left In: 1306.025 ± 1648.864 χ^2/NDF : 7.4/10

-685.106 ± 993.091 χ^2/NDF : 27.7/28

-451.840 ± 692.195 χ^2/NDF : 51.6/58

-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: 4748.756+/-1.139 χ^2/NDF : 430218.0/11

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

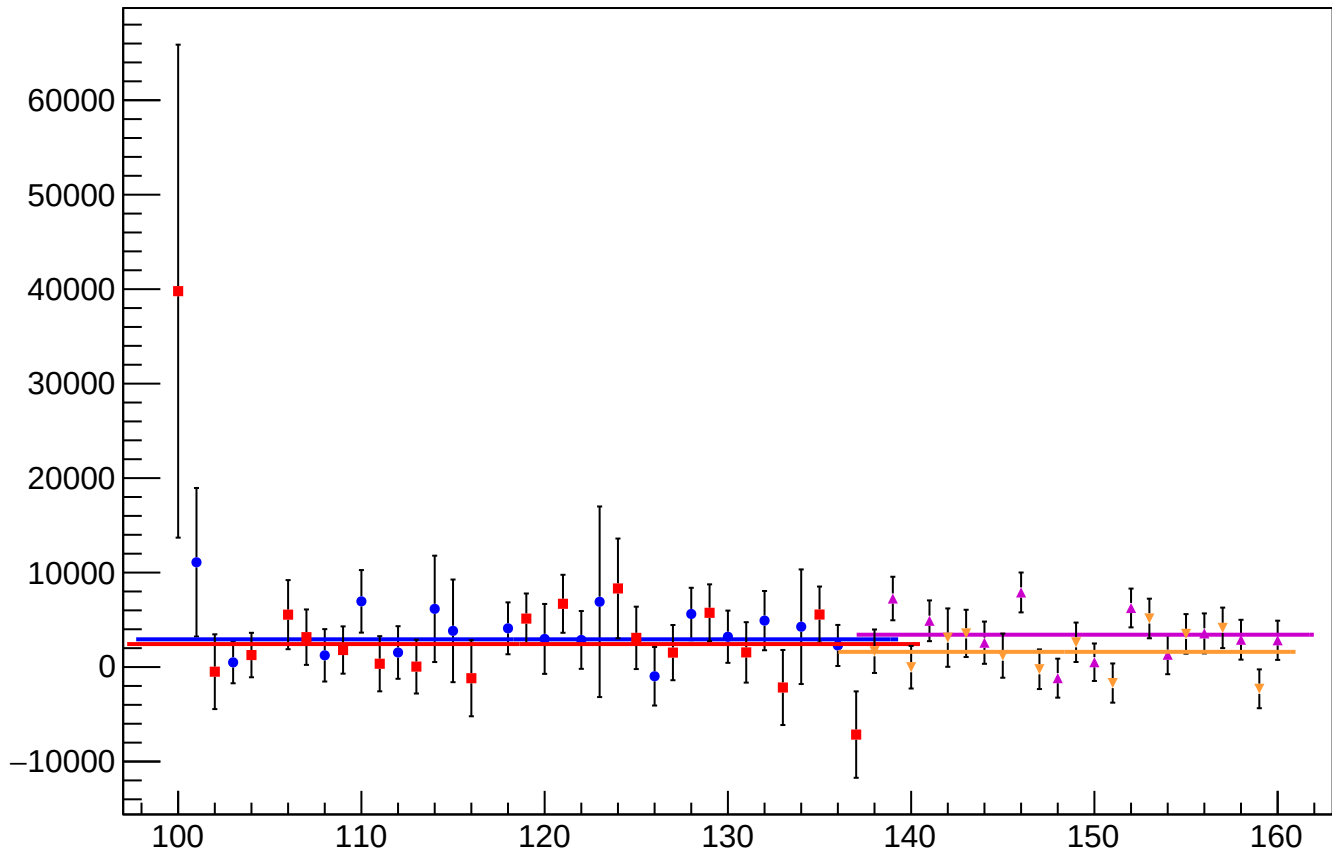
Left In: 4882.570+/-1.166 χ^2/NDF : 364486.2/10

3739.481+/-0.702 χ^2/NDF : 2640948.0/28

3691.071+/-0.487 χ^2/NDF : 5503330.2/58

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

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2935.827 $\pm$ 775.365 χ^2 /NDF: 8.2/16

Left Out: 1609.832 $\pm$ 641.169 χ^2 /NDF:13.6/11

Right Out: 2432.756 $\pm$ 740.416 χ^2 /NDF: 18.2/18

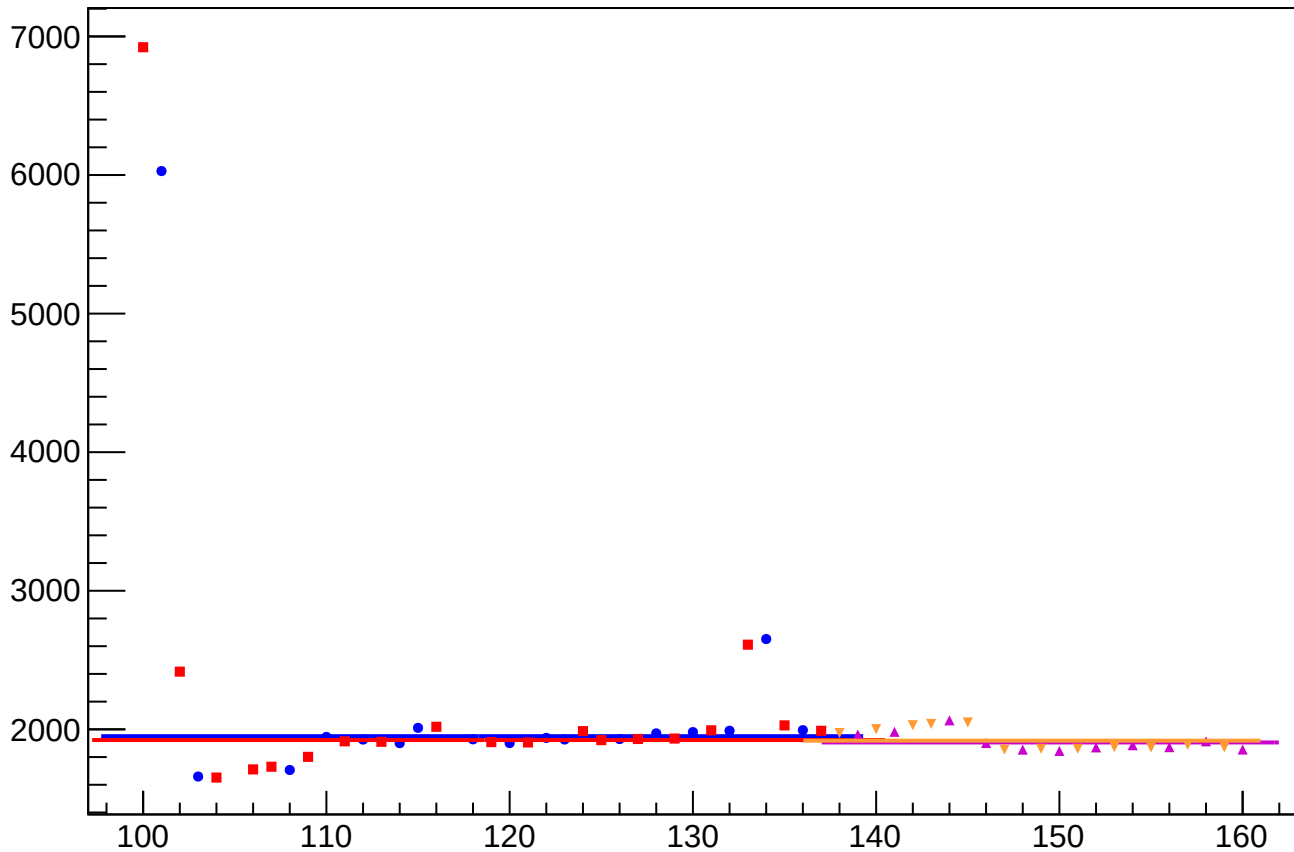
Left In: 3423.089 $\pm$ 636.180 χ^2 /NDF:18.1/10

2148.328 $\pm$ 494.113 χ^2 /NDF: 23.5/28

2585.537 $\pm$ 345.222 χ^2 /NDF: 62.3/58

3002.484 $\pm$ 482.528 χ^2 /NDF: 37.3/29

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1918.344 $\pm$ 0.453 χ^2 /NDF: 26088.4/11

Right Out: 1922.752 $\pm$ 0.522 χ^2 /NDF: 217400.0/18

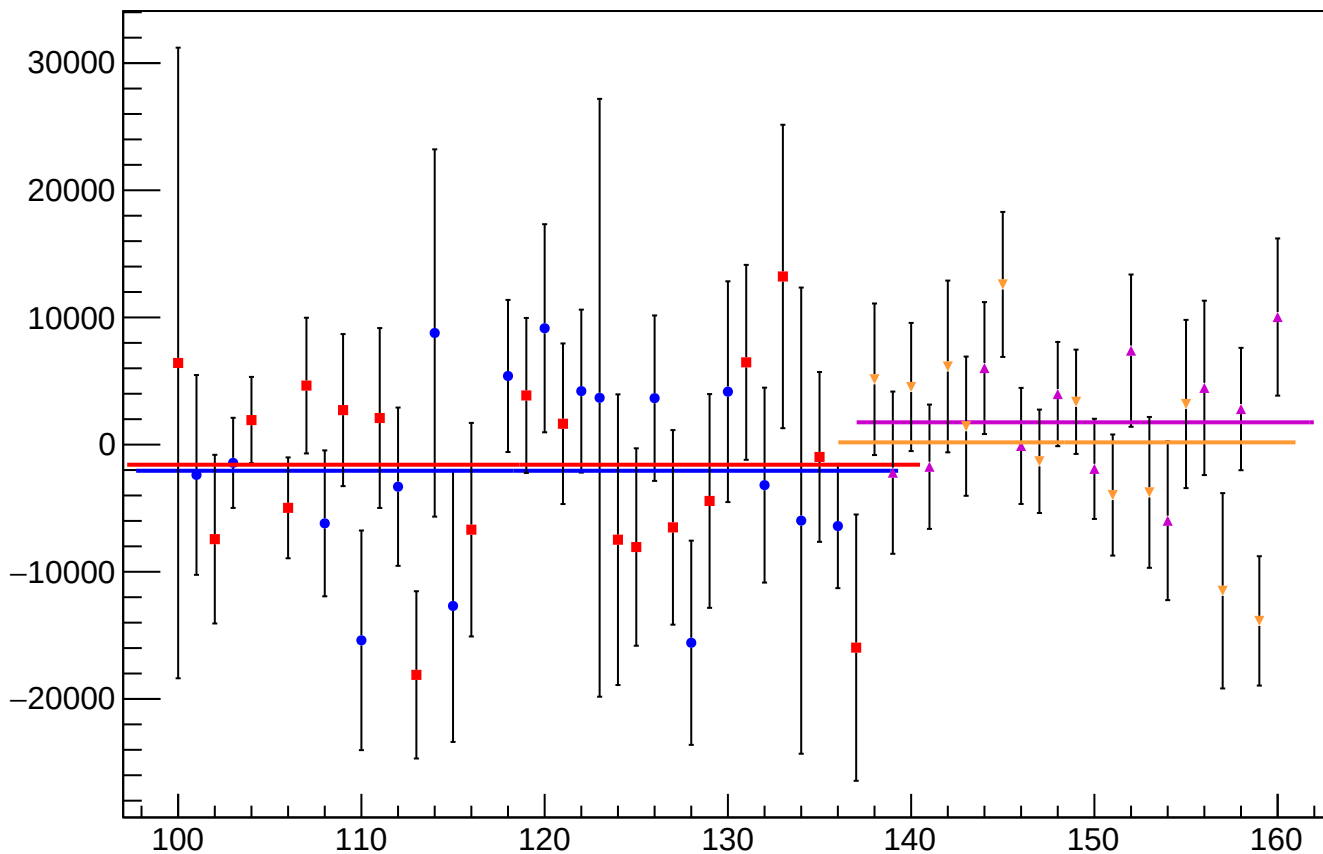
Left In: 1905.458 $\pm$ 0.450 χ^2 /NDF: 19679.5/10

1931.450 $\pm$ 0.349 χ^2 /NDF: 645478.1/28

1921.906 $\pm$ 0.244 χ^2 /NDF: 884643.2/58

1912.823 $\pm$ 0.341 χ^2 /NDF: 237708.8/29

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 177.015 $\pm$ 1534.657 χ^2/NDF : 19.1/11

Right Out: -1580.717 $\pm$ 1477.405 χ^2/NDF : 18.6/18

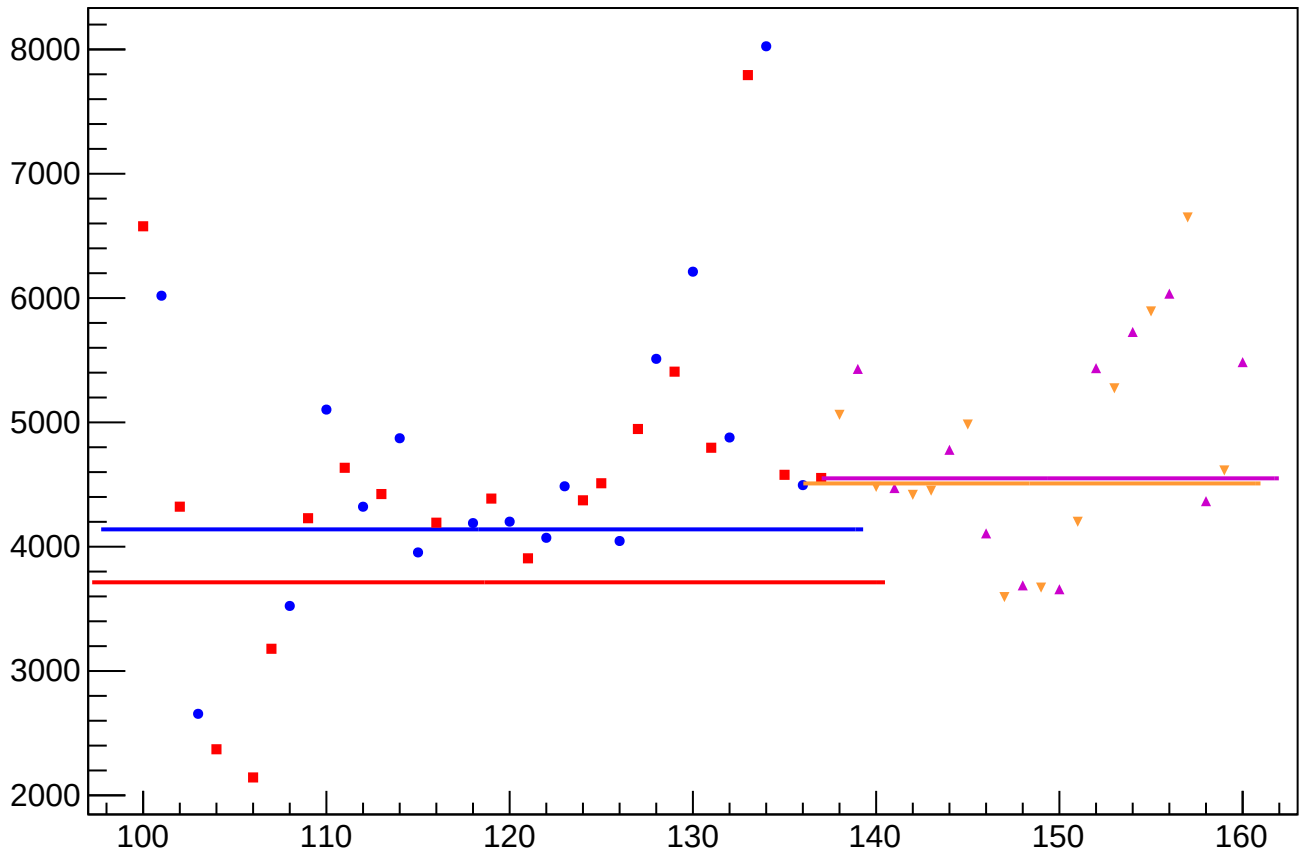
Left In: 1753.767 $\pm$ 1543.436 χ^2/NDF : 7.3/10

-851.697 $\pm$ 1127.213 χ^2/NDF : 34.0/28

-395.389 $\pm$ 774.996 χ^2/NDF : 62.7/58

13.673 $\pm$ 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: 4508.848+/-1.085 χ^2/NDF : 501631.6/11

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

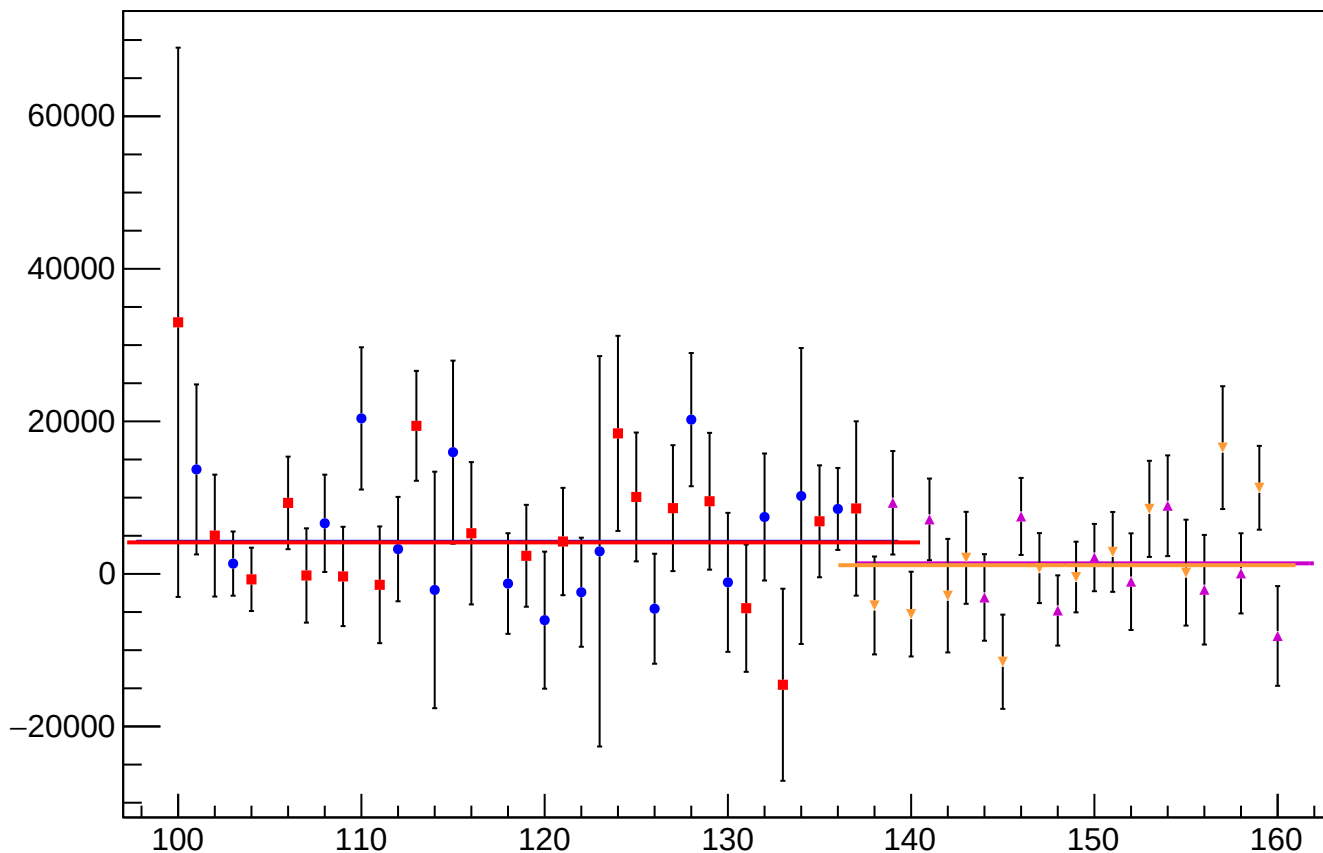
Left In: 4549.910+/-1.091 χ^2/NDF : 509702.0/10

4338.714+/-0.797 χ^2/NDF : 1368560.1/28

4219.930+/-0.548 χ^2/NDF : 3502693.7/58

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

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1141.663+/-1682.055 χ^2/NDF : 15.2/11

Right Out: 4133.660+/-1725.341 χ^2/NDF : 14.8/18

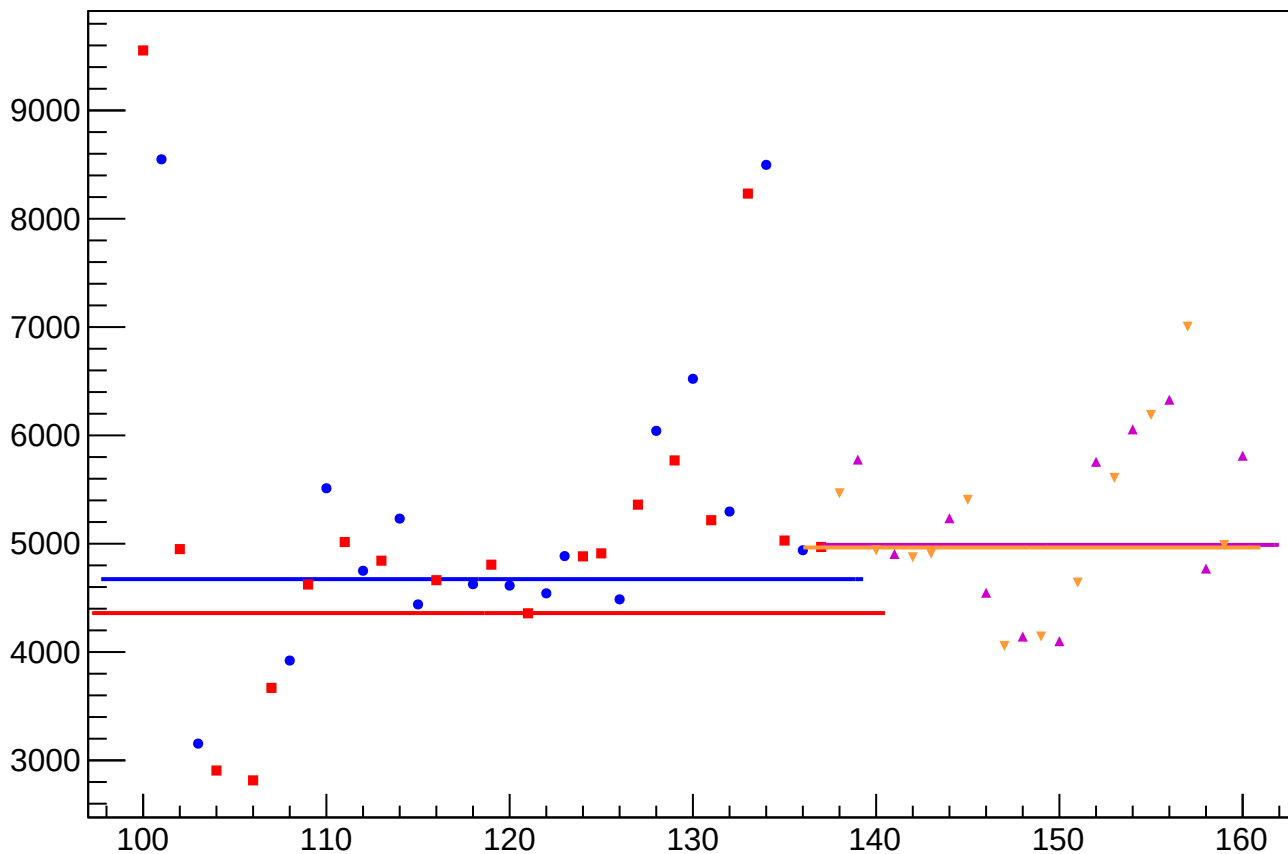
Left In: 1384.766+/-1685.155 χ^2/NDF : 10.3/10

2513.700+/-1250.965 χ^2/NDF : 31.1/28

2624.203+/-868.061 χ^2/NDF : 57.5/58

2726.827+/-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: 4965.223 $\pm$ 1.189 χ^2 /NDF: 383044.6/11

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

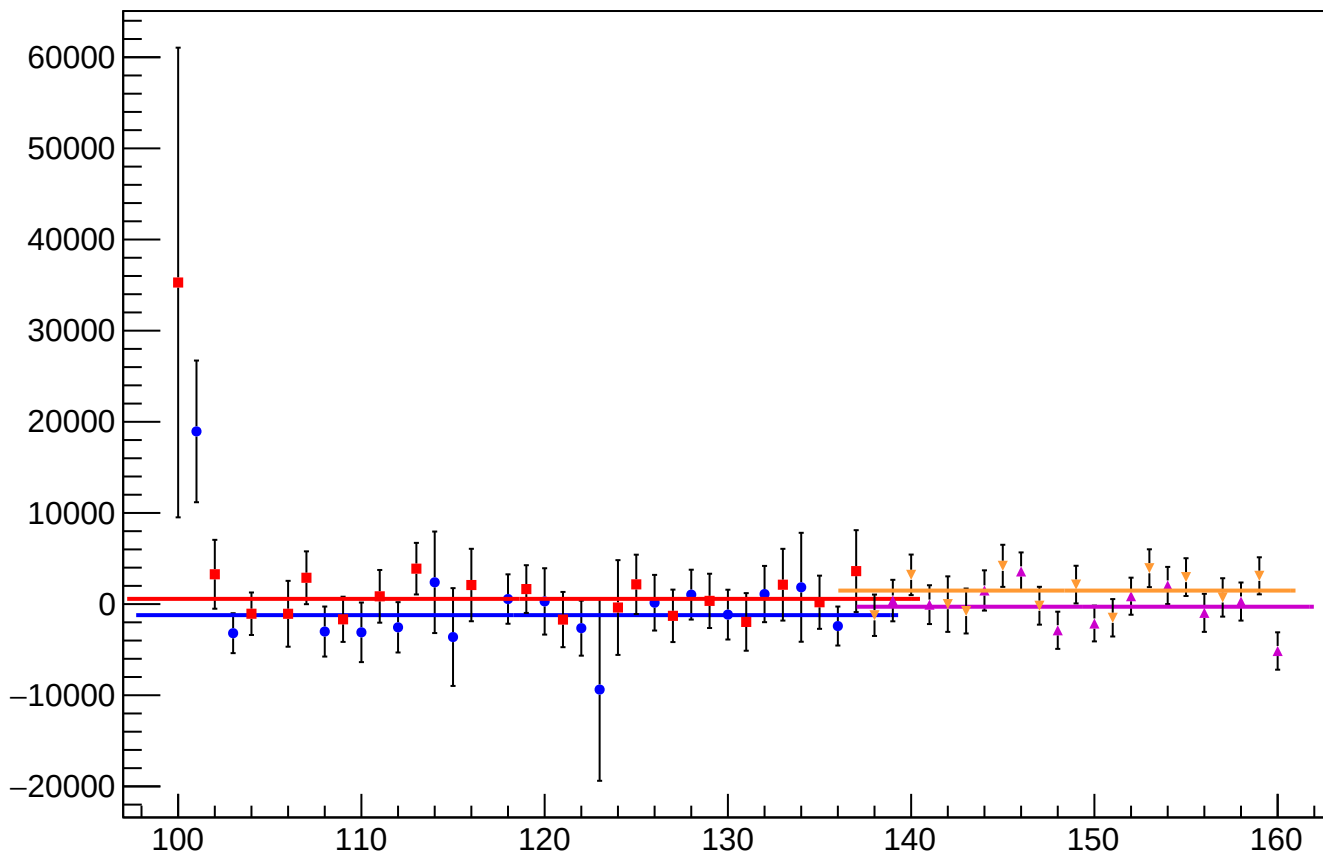
Left In: 4988.901 $\pm$ 1.192 χ^2 /NDF: 381446.4/10

4834.652 $\pm$ 0.885 χ^2 /NDF: 1187333.6/28

4754.226 $\pm$ 0.613 χ^2 /NDF: 2553747.3/58

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: 1483.253 $\pm$ 633.474 χ^2 /NDF: 10.0/11

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

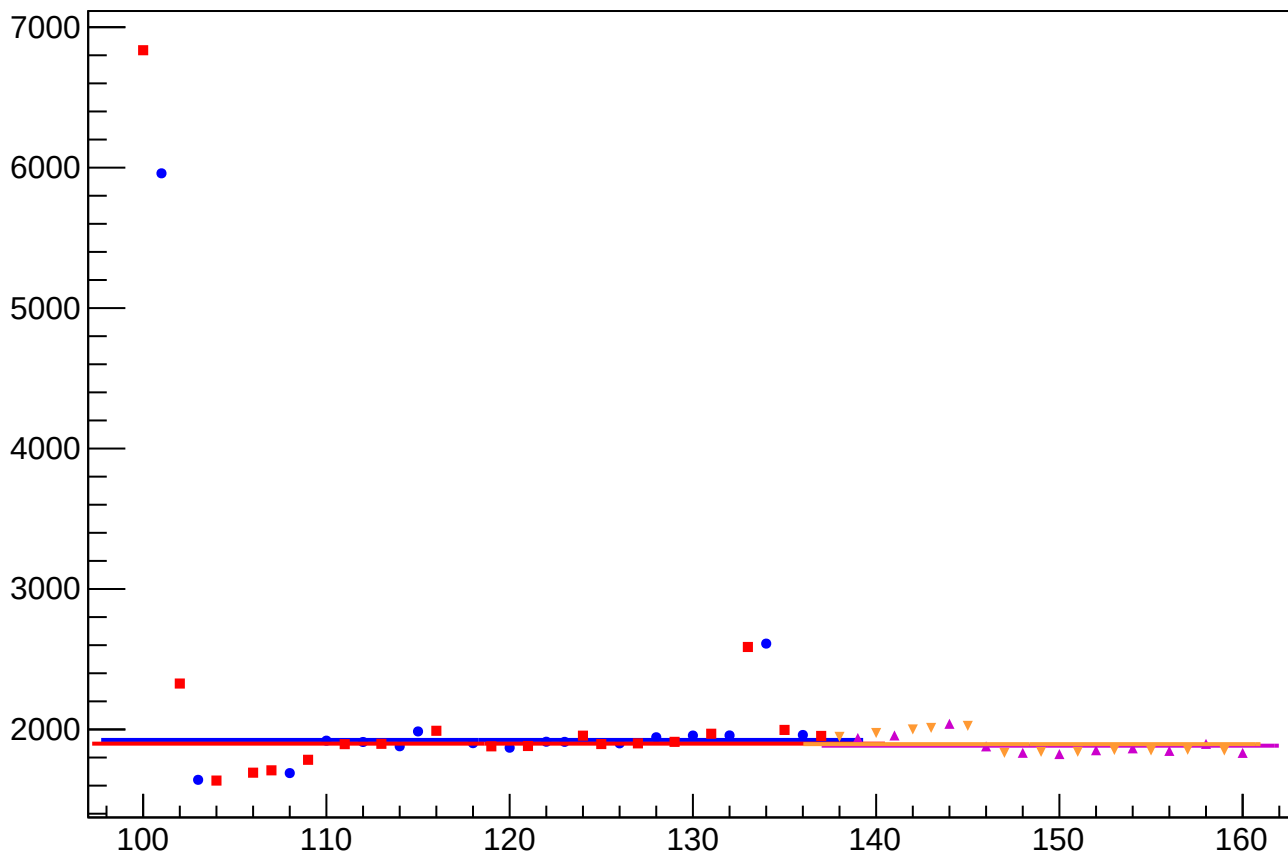
Left In: -288.698 $\pm$ 629.133 χ^2 /NDF: 14.1/10

387.727 $\pm$ 487.985 χ^2 /NDF: 30.0/28

229.443 $\pm$ 341.018 χ^2 /NDF: 53.8/58

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: 1895.428+/-0.448 χ^2 /NDF: 24798.9/11

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

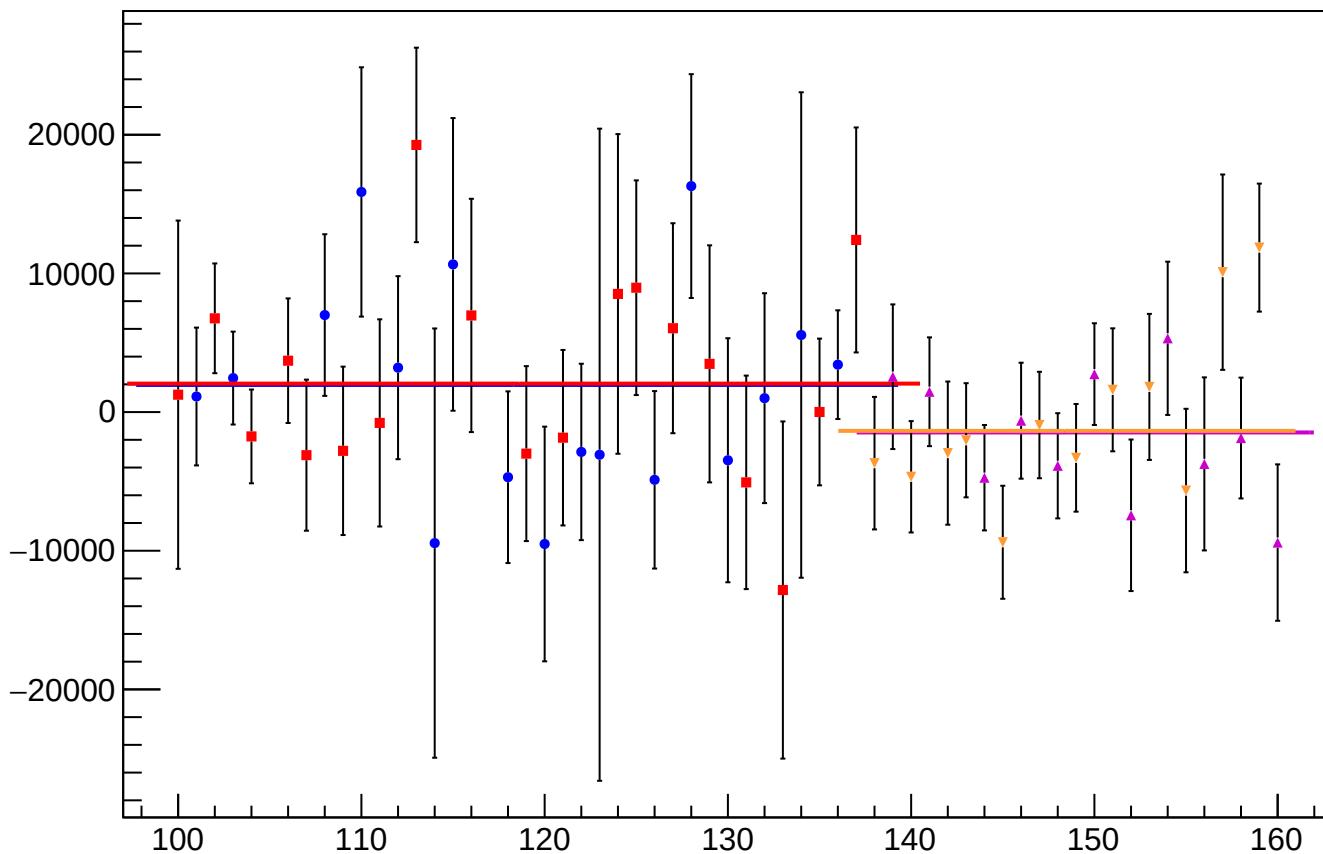
Left In: 1884.388+/-0.445 χ^2 /NDF: 19187.7/10

1907.582+/-0.345 χ^2 /NDF: 642473.3/28

1898.866+/-0.241 χ^2 /NDF: 874233.2/58

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: -1354.414 $\pm$ 1313.660 χ^2 /NDF:17.4/11

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

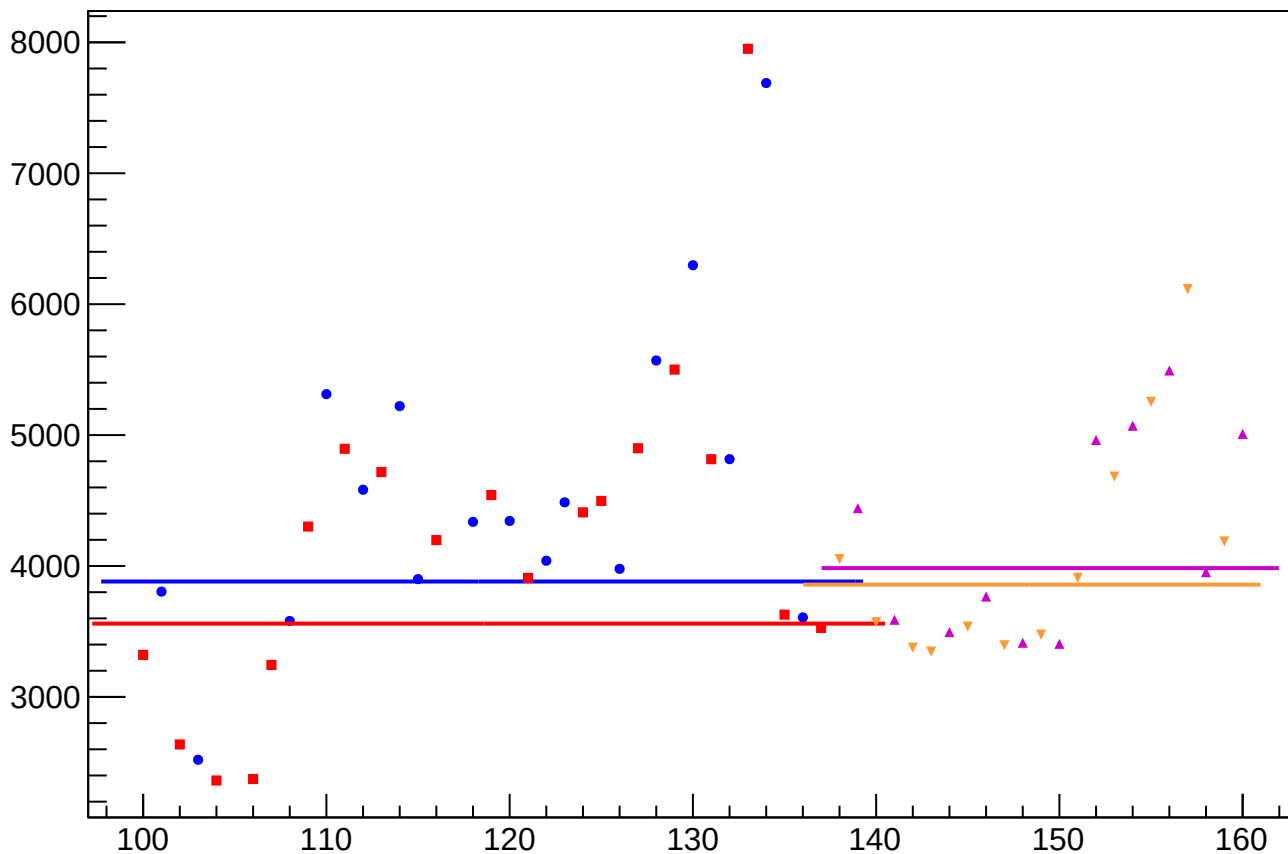
Left In: -1469.678 $\pm$ 1350.787 χ^2 /NDF:8.5/10

23.615 $\pm$ 1003.995 χ^2 /NDF: 33.0/28

120.171 $\pm$ 700.051 χ^2 /NDF: 62.1/58

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

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3857.685 +/- 0.929 χ^2/NDF : 499705.8/11

Right Out: 3560.054 +/- 1.000 χ^2/NDF : 1241523.0/18

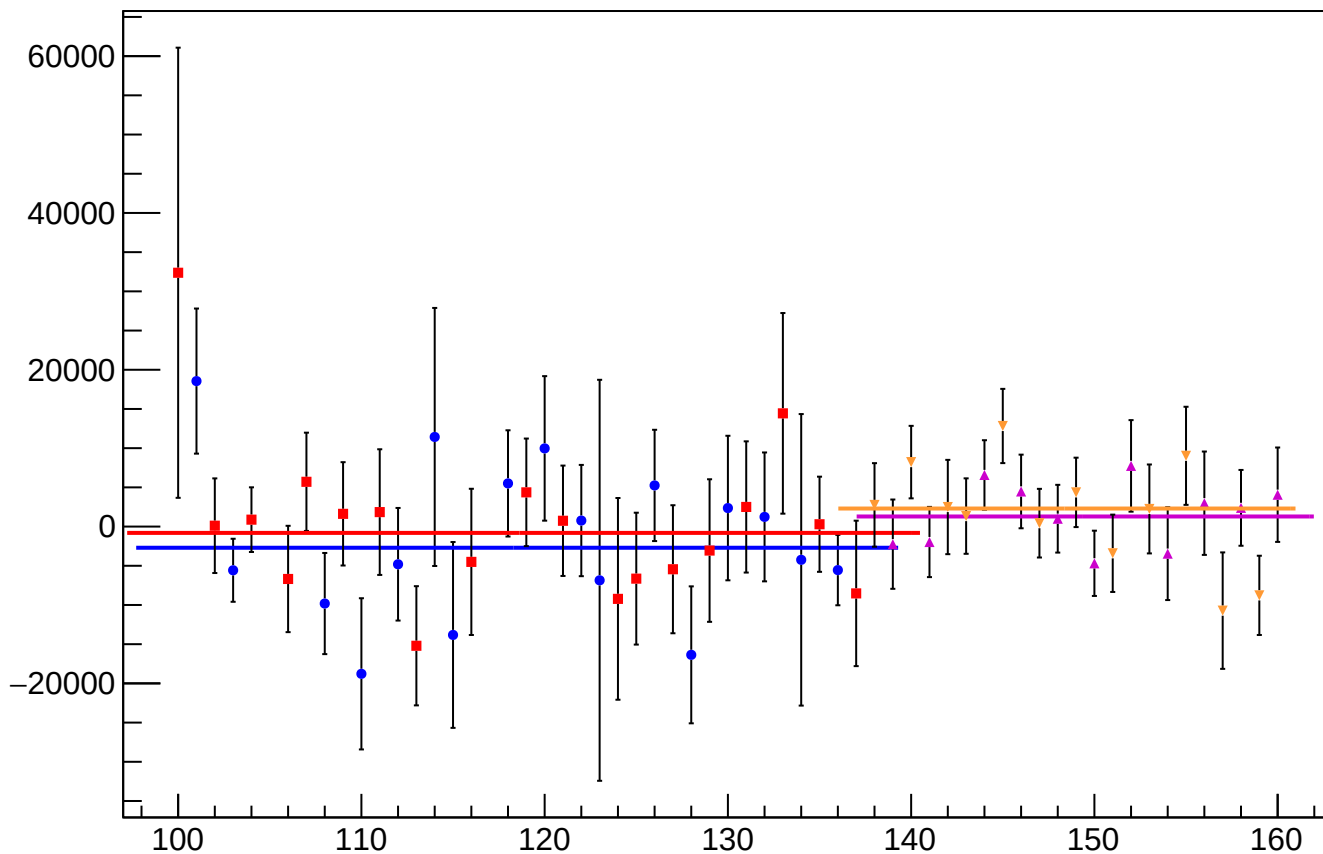
Left In: 3984.174 +/- 0.955 χ^2/NDF : 493740.0/10

3867.622 +/- 0.710 χ^2/NDF : 1317447.6/28

3823.500 +/- 0.495 χ^2/NDF : 3154330.6/58

3781.752 +/- 0.691 χ^2/NDF : 1829365.7/29

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 2301.604 $\pm$ 1481.335 χ^2/NDF : 17.4/11

Right Out: -805.951 $\pm$ 1690.353 χ^2/NDF : 11.6/18

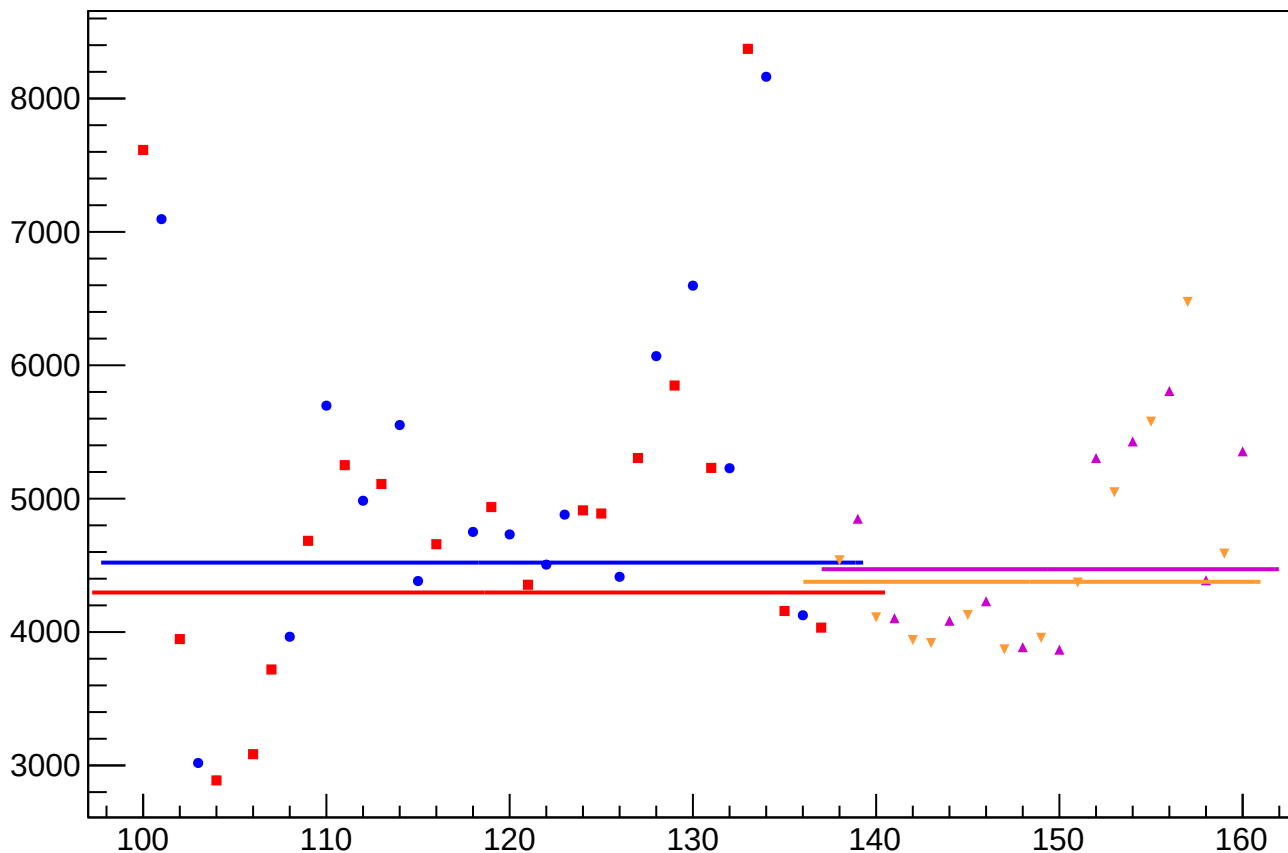
Left In: 1287.276 $\pm$ 1508.210 χ^2/NDF : 7.1/10

293.783 $\pm$ 1146.118 χ^2/NDF : 41.7/28

327.230 $\pm$ 802.993 χ^2/NDF : 61.2/58

359.477 $\pm$ 1125.373 χ^2/NDF : 19.5/29

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685 ± 1.279 $\chi^2/\text{NDF}: 770887.4/16$

Left Out: 4376.590 ± 1.047 $\chi^2/\text{NDF}: 352328.7/11$

Right Out: 4296.527 ± 1.189 $\chi^2/\text{NDF}: 771785.2/18$

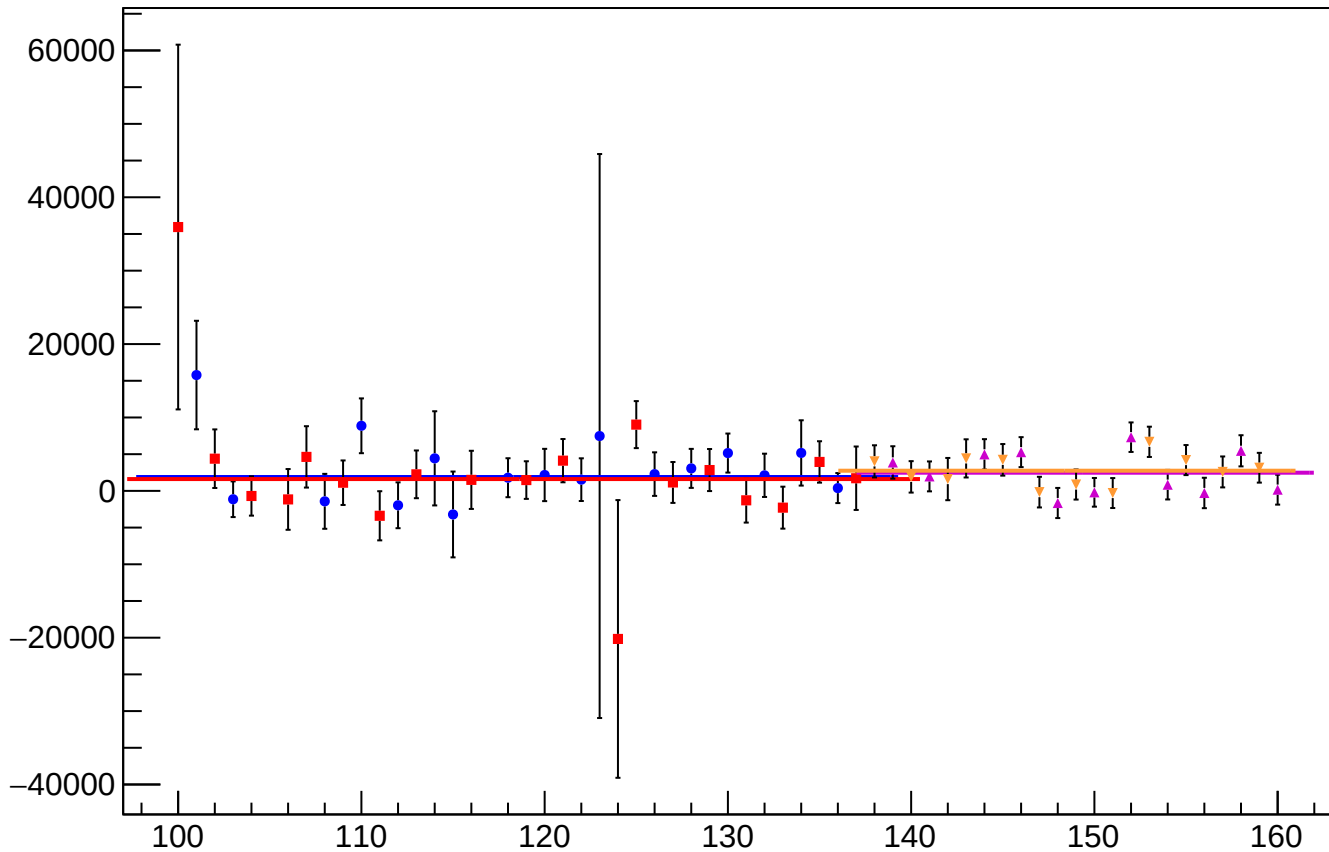
Left In: 4471.301 ± 1.066 $\chi^2/\text{NDF}: 340411.6/10$

4434.427 ± 0.810 $\chi^2/\text{NDF}: 1130811.8/28$

4413.465 ± 0.567 $\chi^2/\text{NDF}: 2256297.5/58$

4393.354 ± 0.794 $\chi^2/\text{NDF}: 1124174.8/29$

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2747.462 $\pm$ 624.880 χ^2 /NDF:10.7/11

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

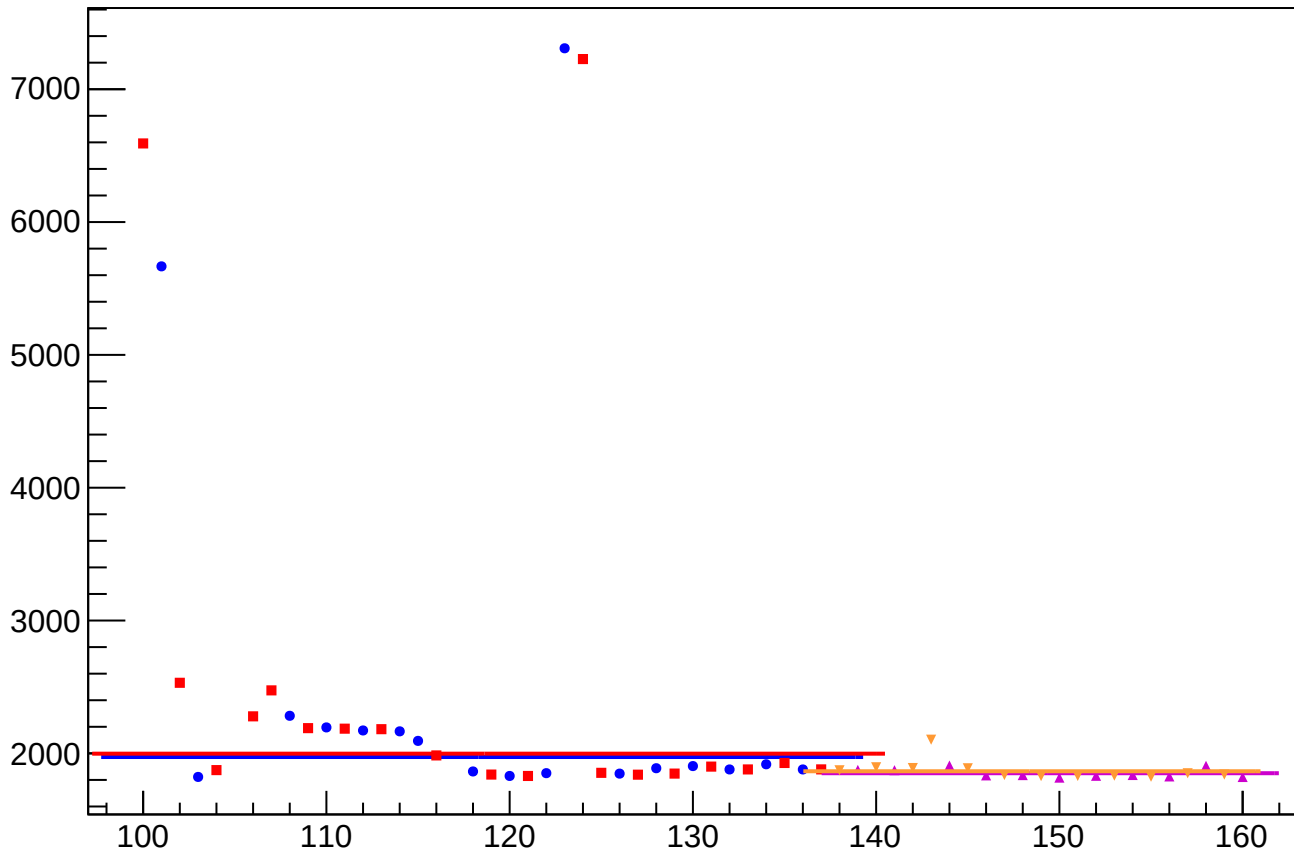
Left In: 2476.031 $\pm$ 619.249 χ^2 /NDF:21.2/10

2413.454 $\pm$ 488.612 χ^2 /NDF: 26.1/28

2271.576 $\pm$ 342.969 χ^2 /NDF: 65.8/58

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: 1865.246+/-0.442 χ^2/NDF : 20847.2/11

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

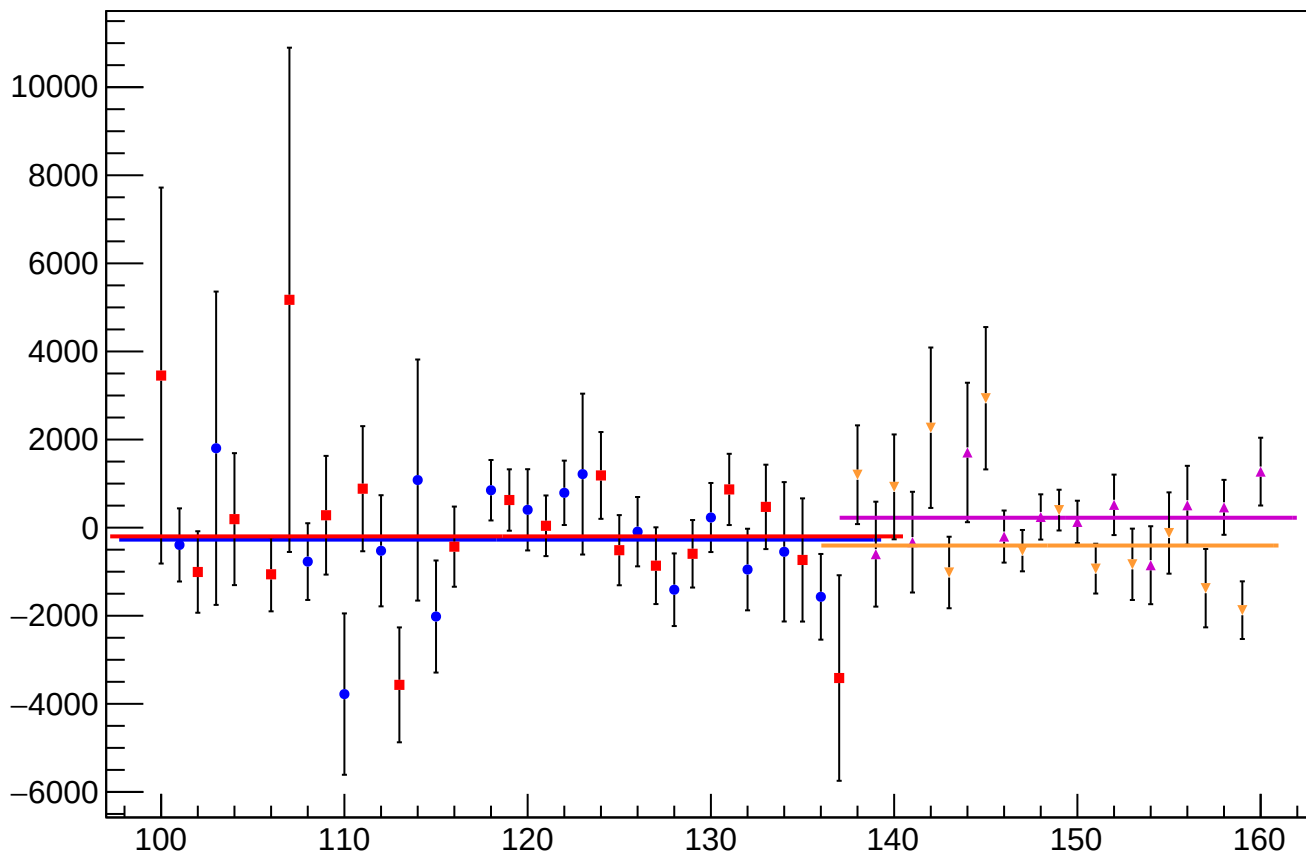
Left In: 1850.511+/-0.438 χ^2/NDF : 5176.4/10

1906.917+/-0.346 χ^2/NDF : 644605.5/28

1907.811+/-0.243 χ^2/NDF : 1050005.7/58

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 χ^2/NDF : 17.2/16

Left Out: -405.864 ± 211.583 χ^2/NDF : 20.8/11

Right Out: -198.424 ± 229.035 χ^2/NDF : 19.7/18

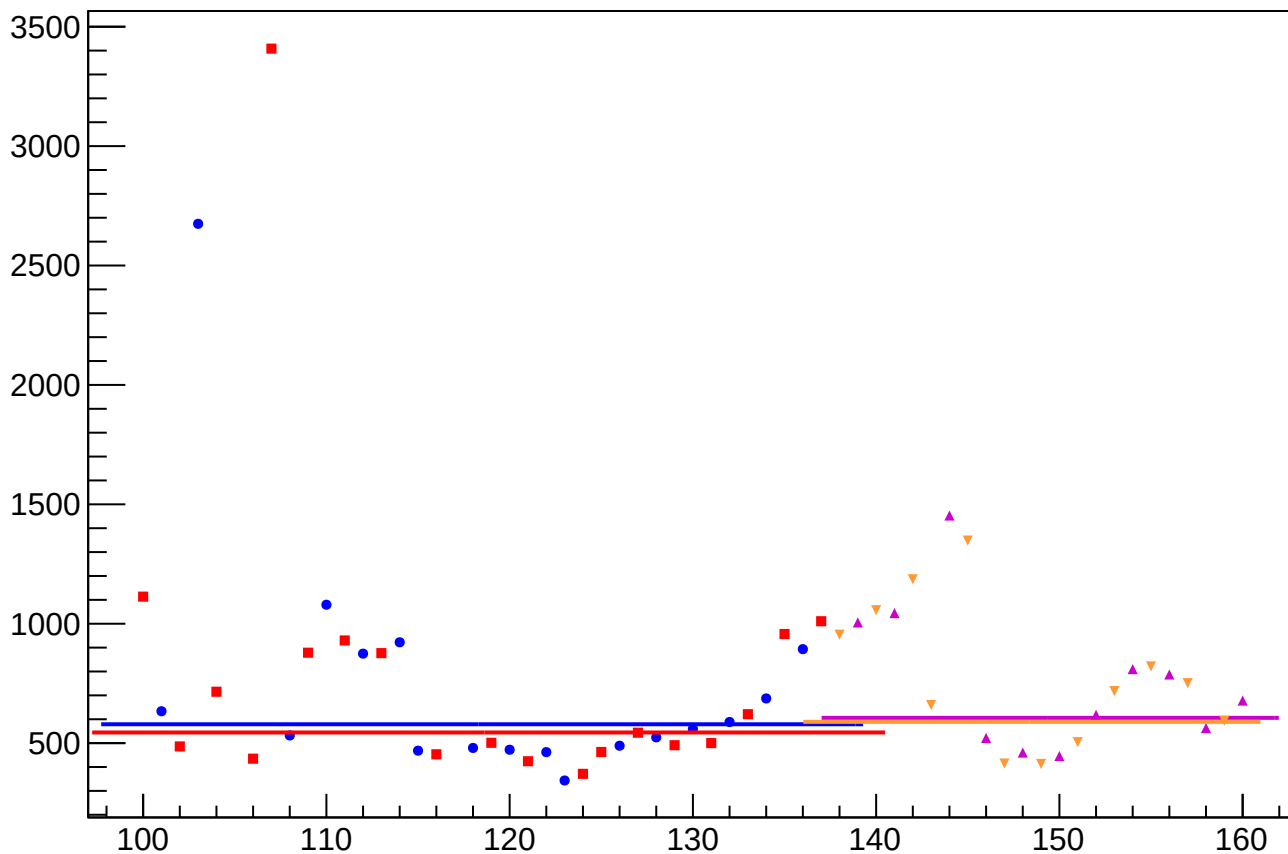
Left In: 224.678 ± 214.470 χ^2/NDF : 5.9/10

-347.282 ± 158.774 χ^2/NDF : 38.2/28

-157.496 ± 111.475 χ^2/NDF : 68.5/58

27.008 ± 156.549 χ^2/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: 589.156 $\pm$ 0.150 χ^2 /NDF: 2047800.4/11

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

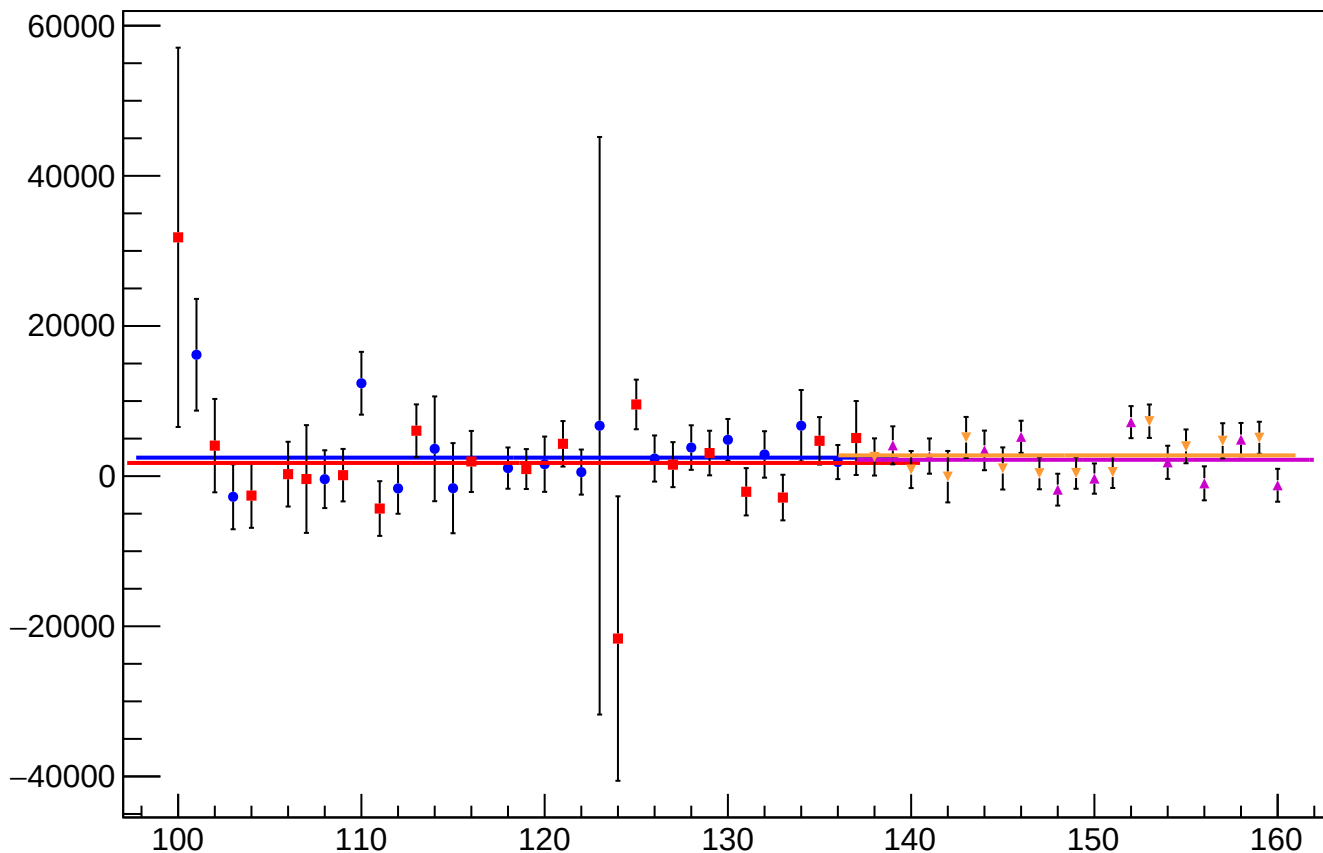
Left In: 605.918 $\pm$ 0.152 χ^2 /NDF: 1729671.2/10

584.723 $\pm$ 0.112 χ^2 /NDF: 3471957.9/28

580.962 $\pm$ 0.079 χ^2 /NDF: 6737837.1/58

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

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076 ± 863.197 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 2764.420 ± 683.471 $\chi^2/\text{NDF}: 12.4/11$

Right Out: 1756.788 ± 853.292 $\chi^2/\text{NDF}: 20.5/18$

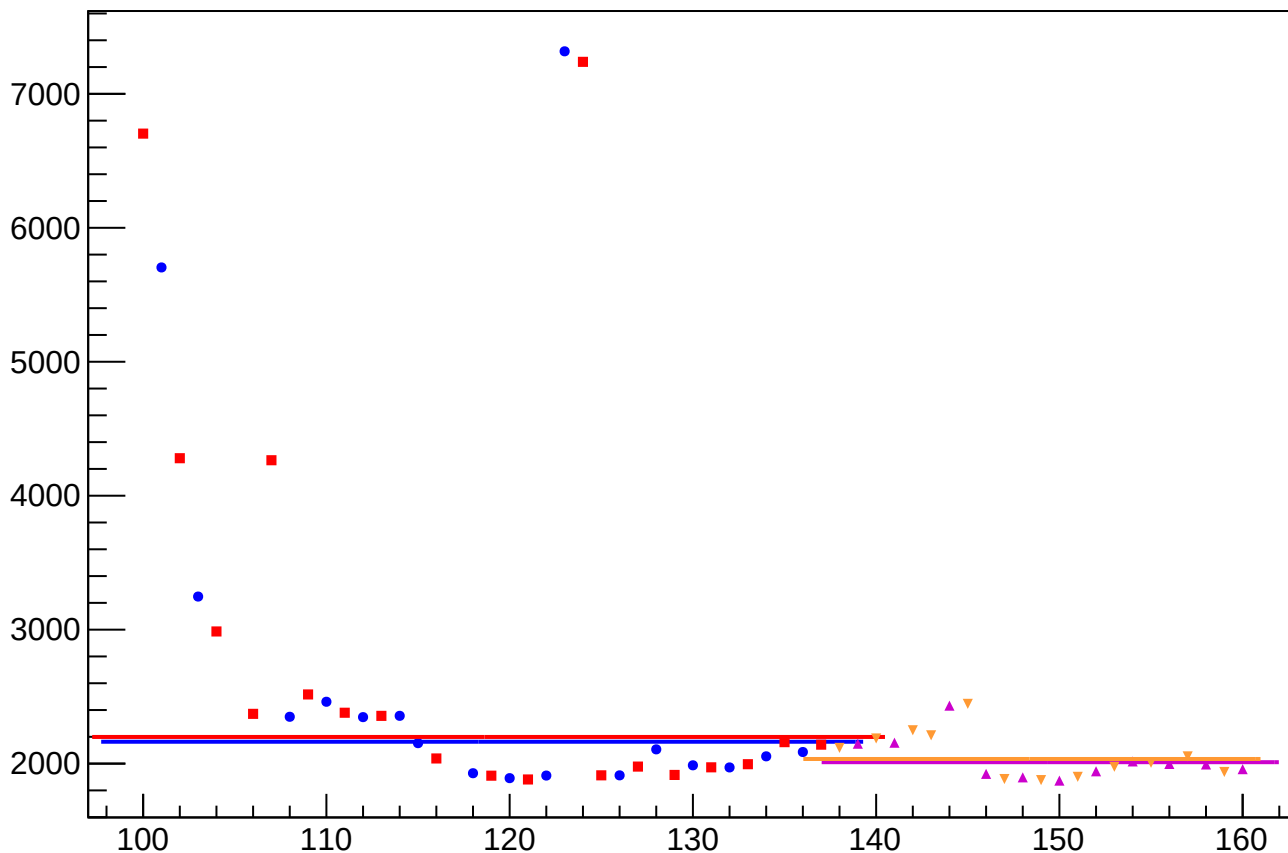
Left In: 2177.339 ± 674.359 $\chi^2/\text{NDF}: 19.3/10$

2648.684 ± 535.840 $\chi^2/\text{NDF}: 28.0/28$

2328.151 ± 376.483 $\chi^2/\text{NDF}: 68.6/58$

2015.656 ± 529.079 $\chi^2/\text{NDF}: 39.9/29$

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2034.491+/-0.483 χ^2/NDF : 103990.4/11

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

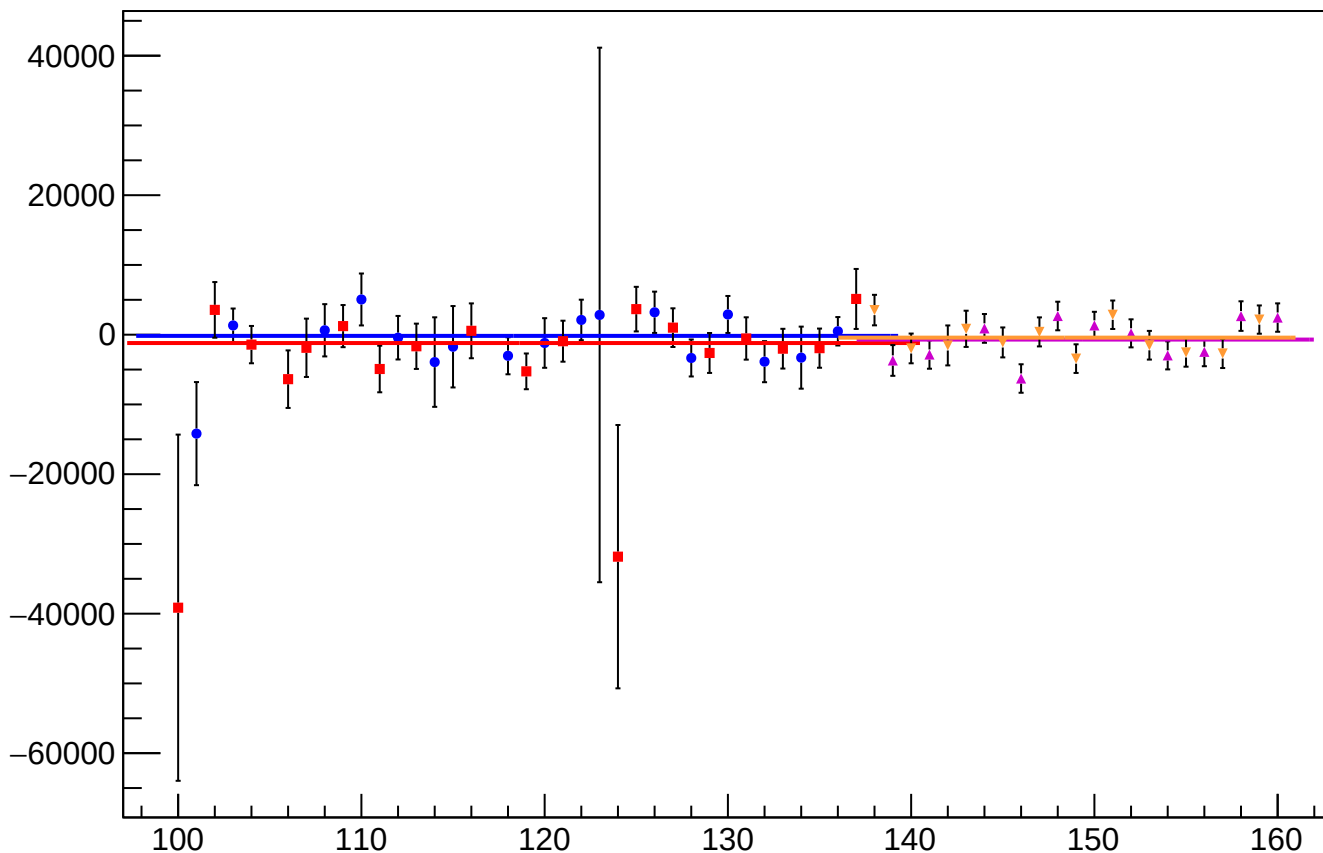
Left In: 2010.584+/-0.477 χ^2/NDF : 86442.8/10

2084.128+/-0.379 χ^2/NDF : 840949.5/28

2083.569+/-0.266 χ^2/NDF : 1790720.7/58

2083.023+/-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: -423.271+/-623.523 χ^2/NDF : 13.3/11

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

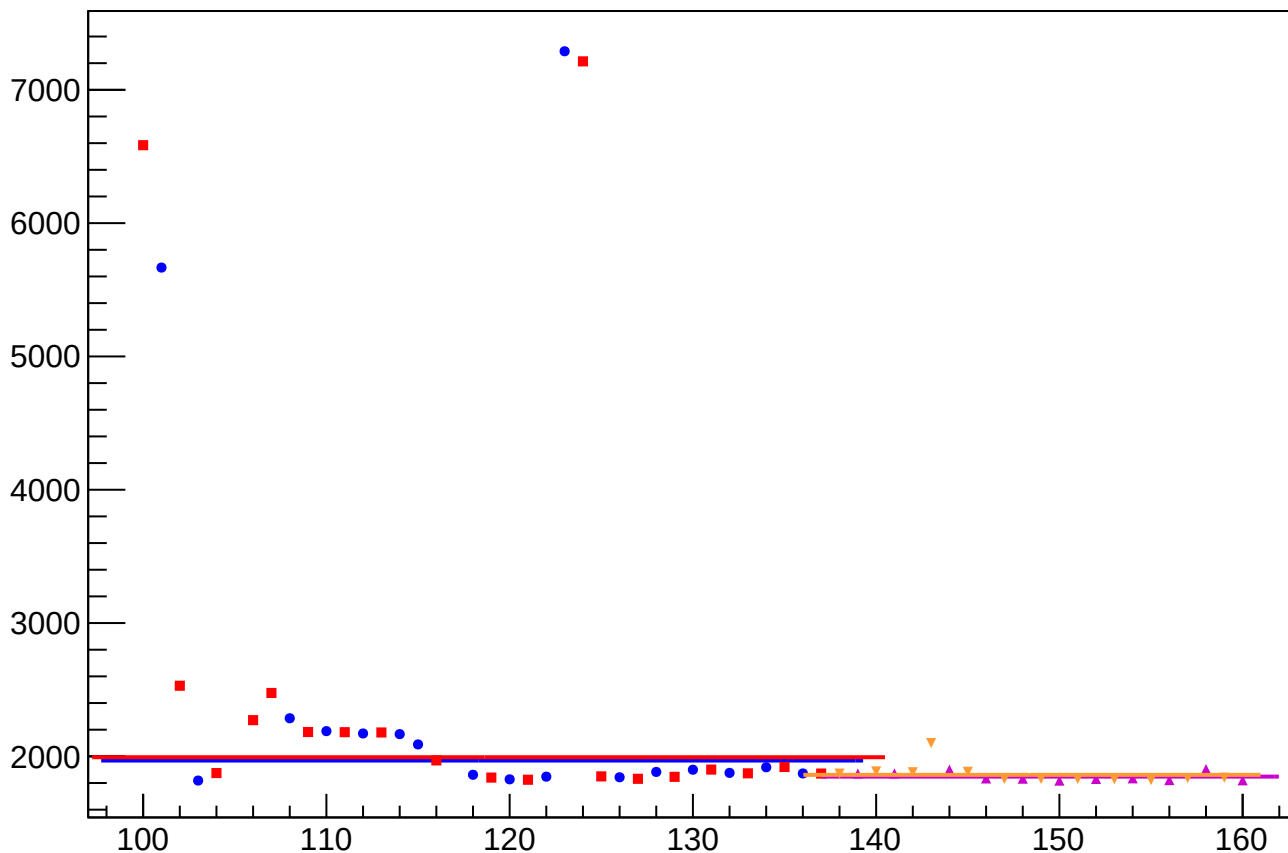
Left In: -700.620+/-618.436 χ^2/NDF : 21.9/10

-325.030+/-487.614 χ^2/NDF : 27.9/28

-615.196+/-342.343 χ^2/NDF : 69.0/58

-897.253+/-480.752 χ^2/NDF : 40.4/29

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1861.232 $\pm$ 0.441 χ^2 /NDF: 20701.4/11

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

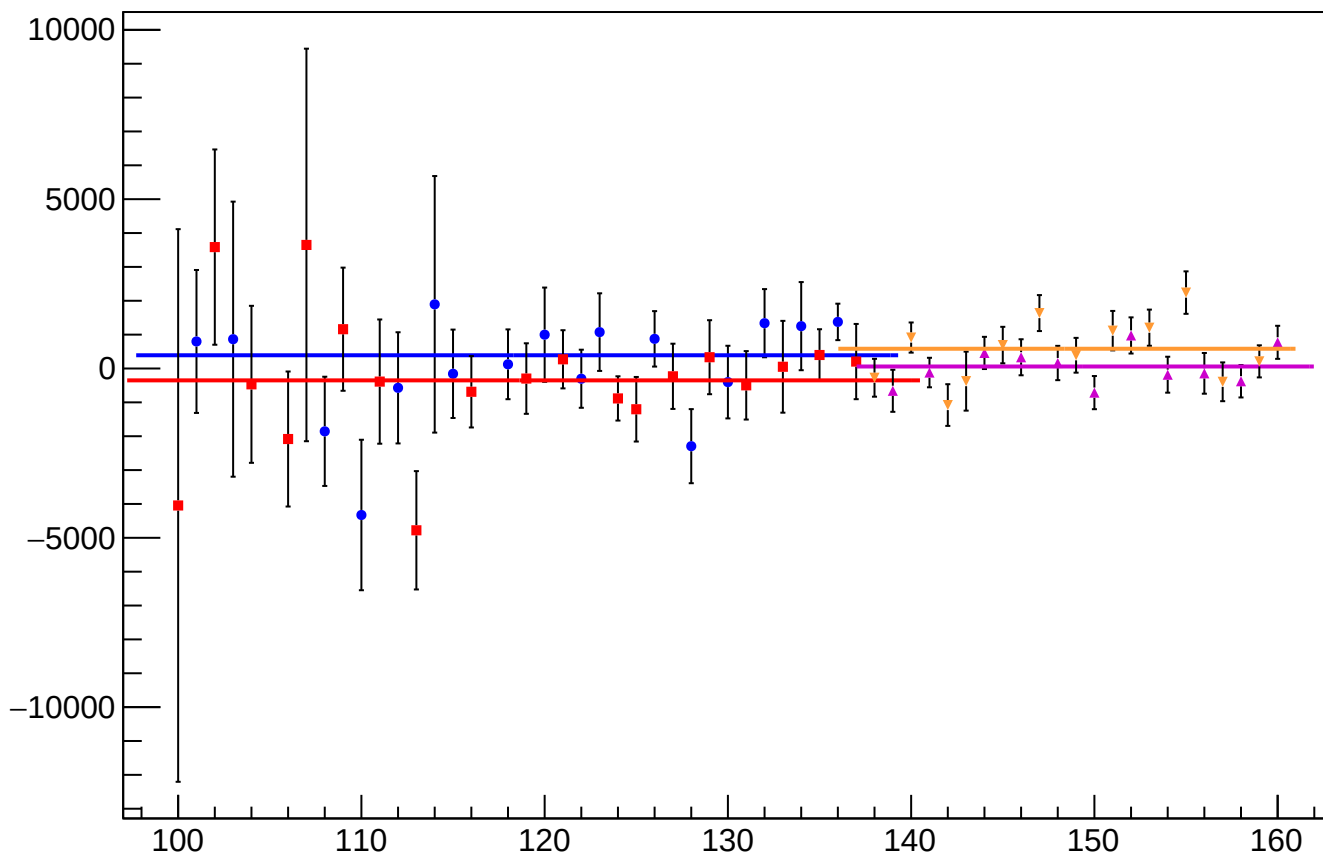
Left In: 1848.099 $\pm$ 0.437 χ^2 /NDF: 4817.4/10

1902.949 $\pm$ 0.345 χ^2 /NDF: 646723.0/28

1904.295 $\pm$ 0.242 χ^2 /NDF: 1051442.2/58

1905.603 $\pm$ 0.340 χ^2 /NDF: 404689.2/29

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 583.062 $\pm$ 159.151 χ^2 /NDF:28.2/11

Right Out: -350.642 $\pm$ 266.097 χ^2 /NDF: 14.2/18

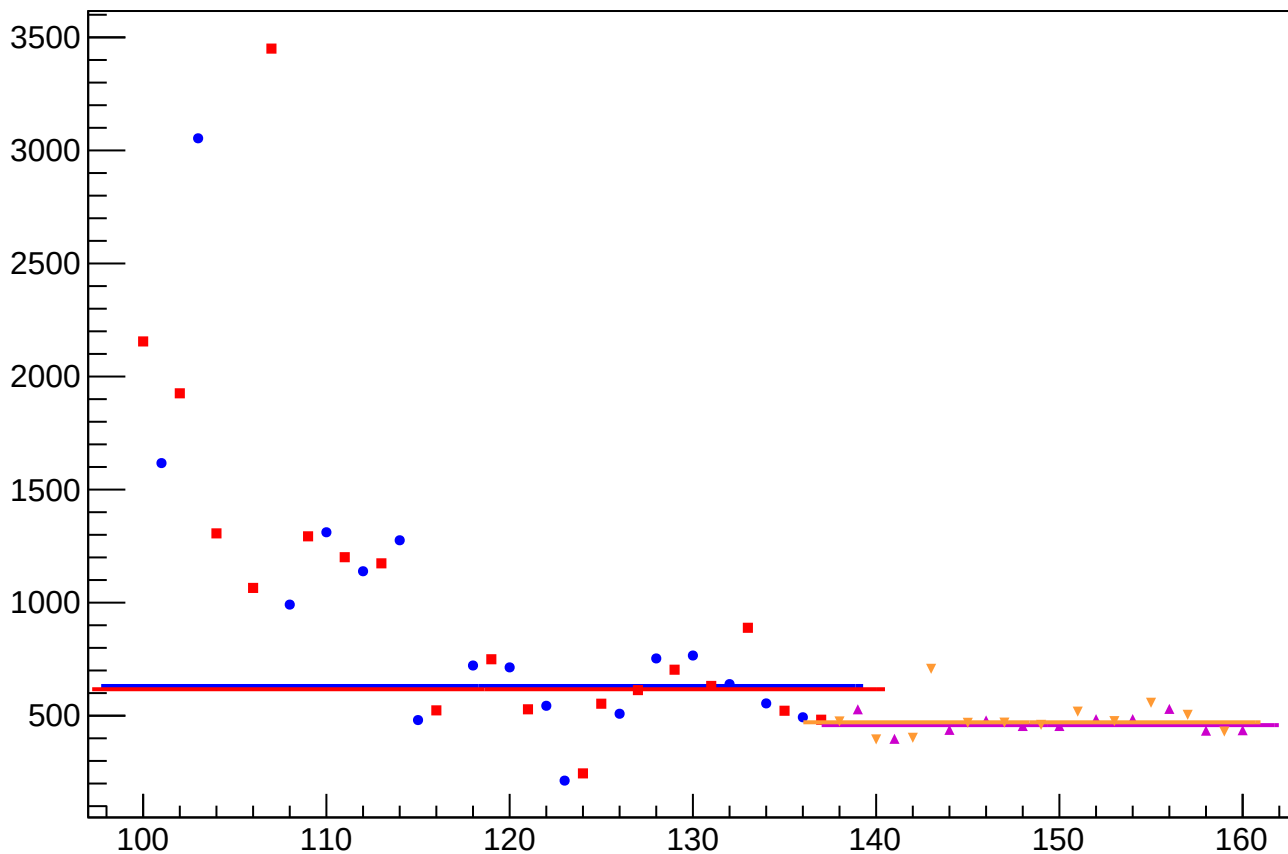
Left In: 59.197 $\pm$ 153.807 χ^2 /NDF:11.2/10

533.553 $\pm$ 137.122 χ^2 /NDF: 48.6/28

236.606 $\pm$ 95.529 χ^2 /NDF: 85.0/58

-43.439 $\pm$ 133.163 χ^2 /NDF: 27.3/29

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 470.843+/-0.113 χ^2/NDF : 303921.4/11

Right Out: 617.035+/-0.188 χ^2/NDF : 2802149.9/18

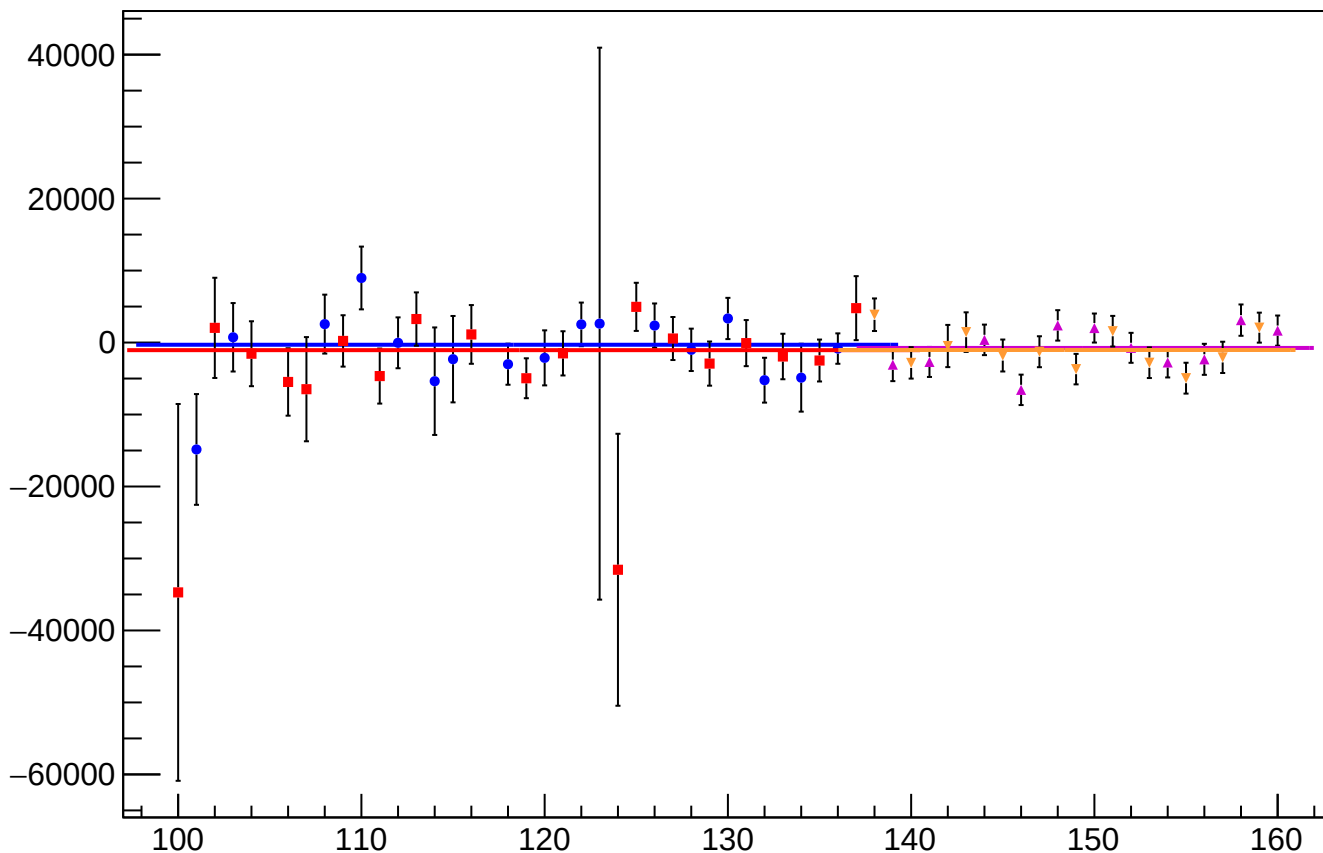
Left In: 458.337+/-0.109 χ^2/NDF : 119246.4/10

512.223+/-0.097 χ^2/NDF : 3089300.5/28

504.944+/-0.068 χ^2/NDF : 6554868.7/58

498.080+/-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: -1032.456 ± 645.739 χ^2/NDF : 15.9/11

Right Out: -1056.856 ± 867.445 χ^2/NDF : 16.6/18

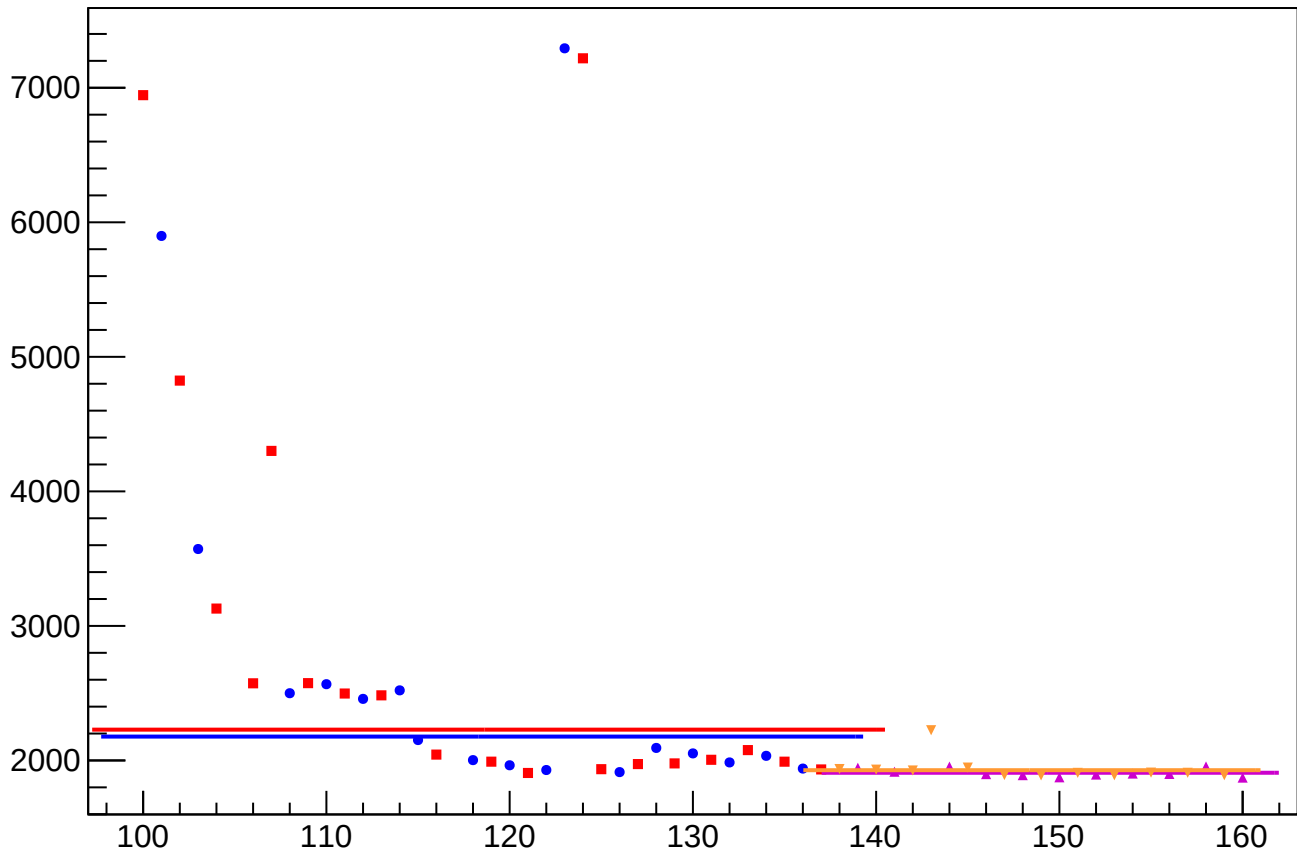
Left In: -748.447 ± 638.569 χ^2/NDF : 19.8/10

-775.040 ± 518.925 χ^2/NDF : 33.5/28

-816.310 ± 365.273 χ^2/NDF : 70.0/58

-856.839 ± 514.254 χ^2/NDF : 36.5/29

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446 $\pm$ 0.617 χ^2/NDF : 802836.7/16

Left Out: 1927.494 $\pm$ 0.457 χ^2/NDF : 26517.9/11

Right Out: 2229.014 $\pm$ 0.613 χ^2/NDF : 895809.1/18

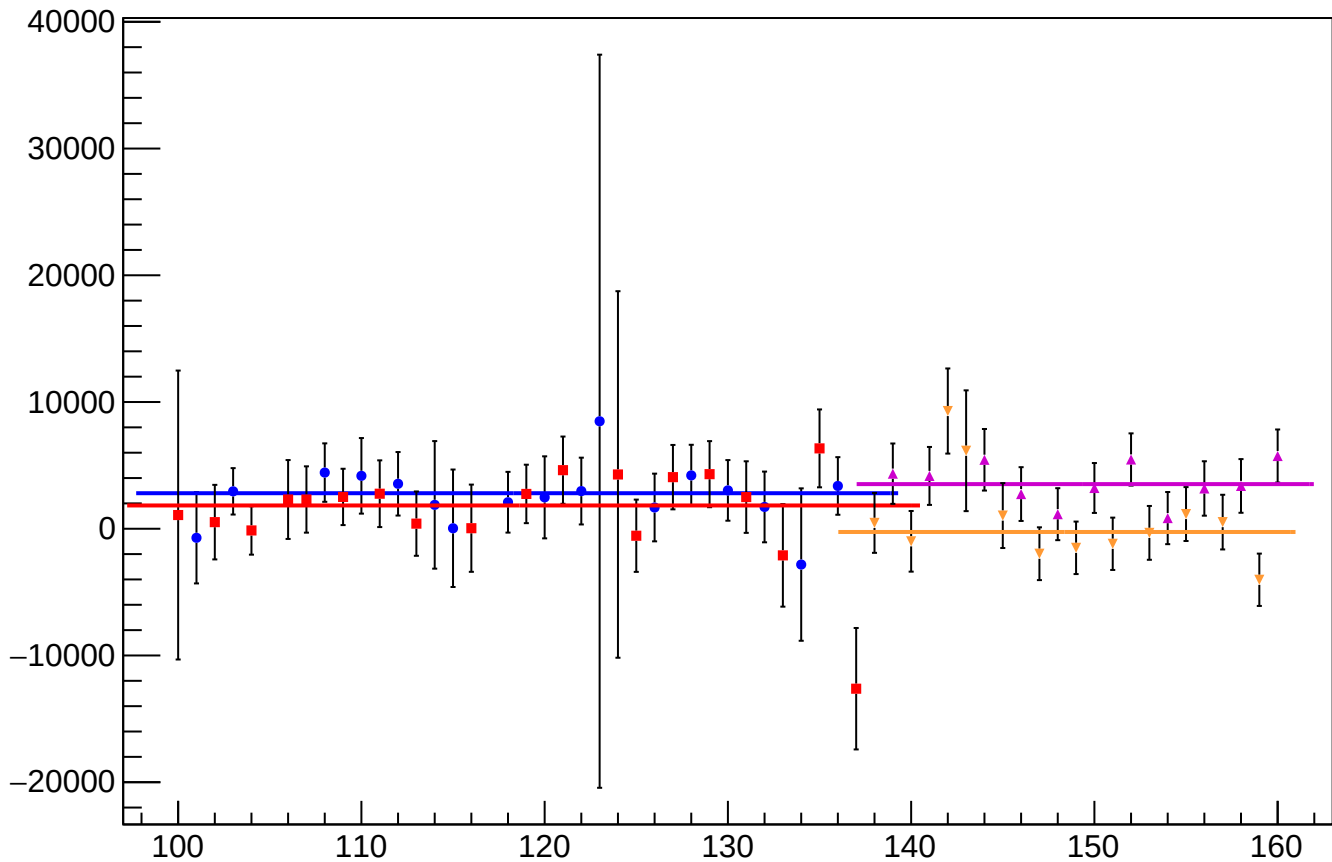
Left In: 1908.528 $\pm$ 0.452 χ^2/NDF : 3886.2/10

2016.028 $\pm$ 0.367 χ^2/NDF : 935496.0/28

2018.620 $\pm$ 0.258 χ^2/NDF : 2012343.9/58

2021.165 $\pm$ 0.364 χ^2/NDF : 1076749.0/29

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: -255.142 $\pm$ 669.717 χ^2 /NDF:15.5/11

Right Out: 1837.168 $\pm$ 655.307 χ^2 /NDF: 18.0/18

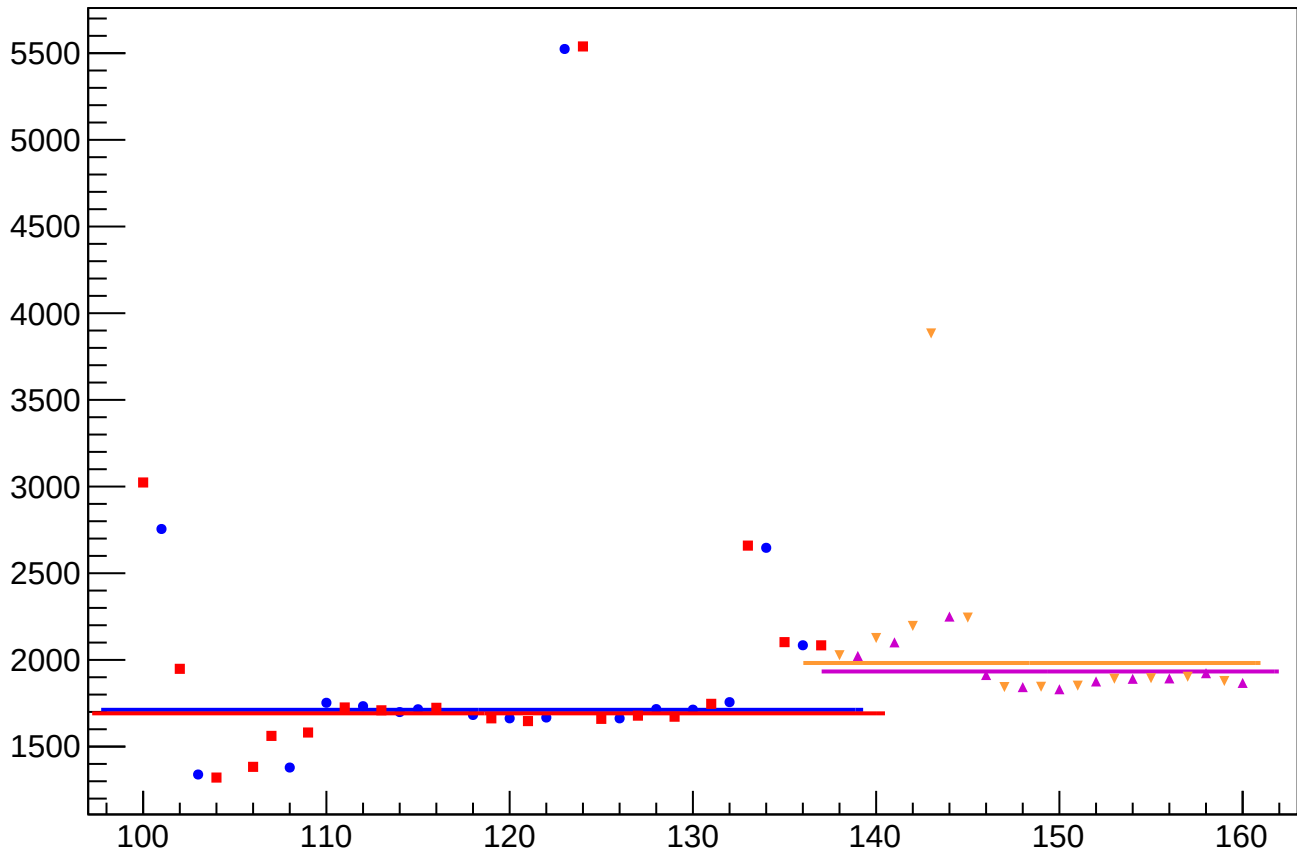
Left In: 3522.058 $\pm$ 646.198 χ^2 /NDF:6.1/10

1254.352 $\pm$ 476.653 χ^2 /NDF: 29.7/28

1998.236 $\pm$ 331.044 χ^2 /NDF: 61.9/58

2691.404 $\pm$ 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: 1982.245+/-0.474 χ^2/NDF : 395840.3/11

Right Out: 1691.747+/-0.463 χ^2/NDF : 454922.1/18

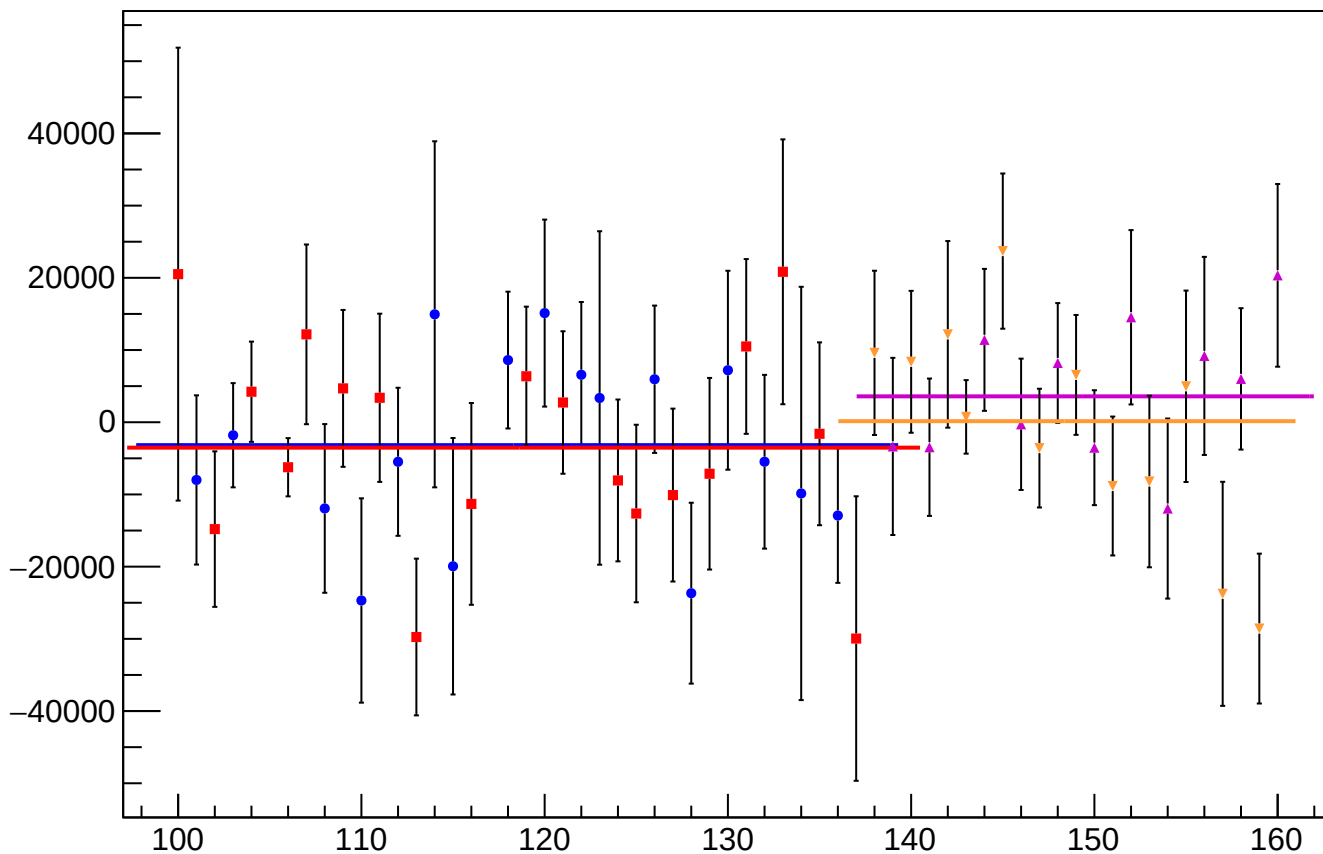
Left In: 1933.273+/-0.457 χ^2/NDF : 62216.4/10

1848.968+/-0.337 χ^2/NDF : 988832.3/28

1830.970+/-0.234 χ^2/NDF : 1649226.1/58

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: 147.075+/-2695.421 χ^2/NDF : 19.4/11

Right Out: -3520.105+/-2266.532 χ^2/NDF : 19.5/18

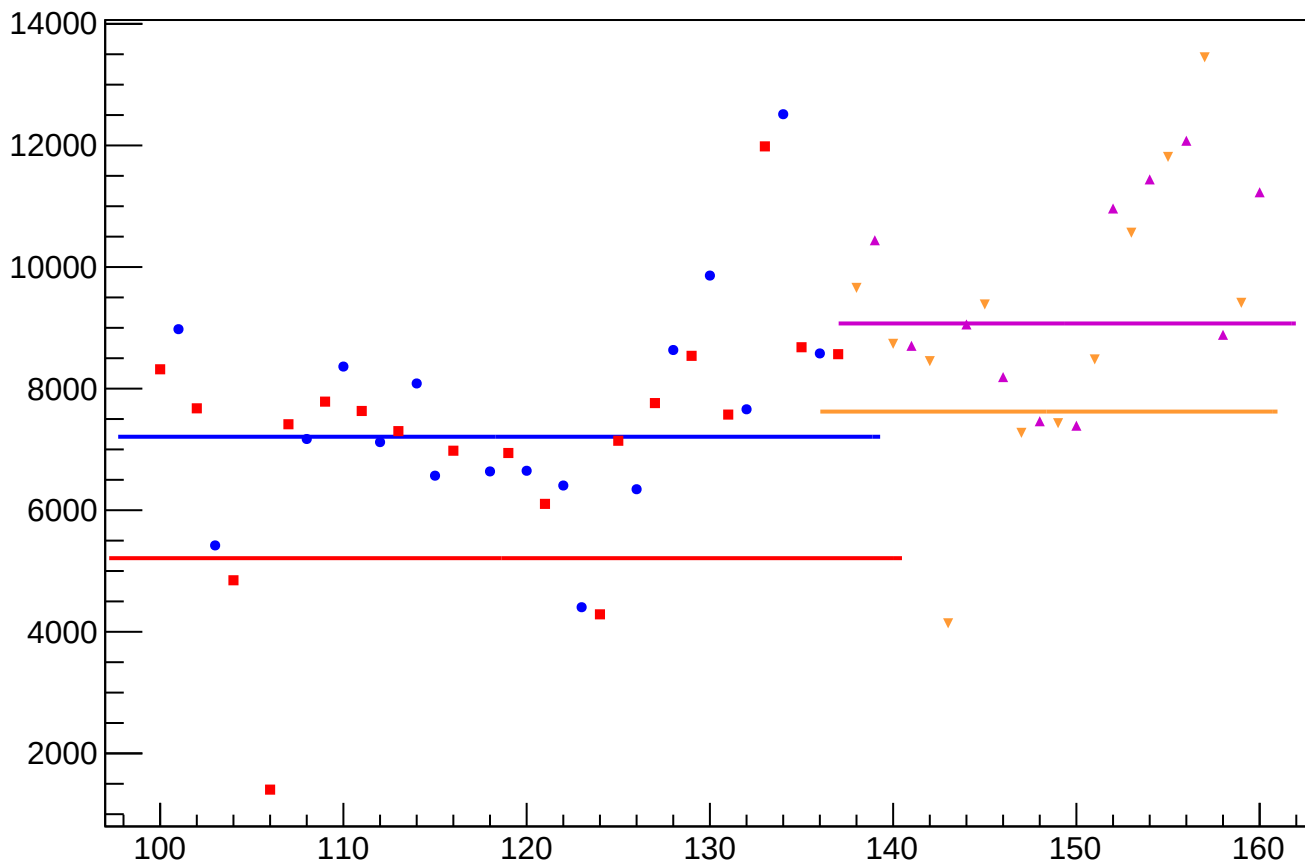
Left In: 3584.245+/-3075.000 χ^2/NDF : 7.1/10

-1419.453+/-1958.961 χ^2/NDF : 34.5/28

-1205.078+/-1335.113 χ^2/NDF : 64.7/58

-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: 7622.374 $\pm$ 1.906 χ^2 /NDF: 1772066.0/11

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

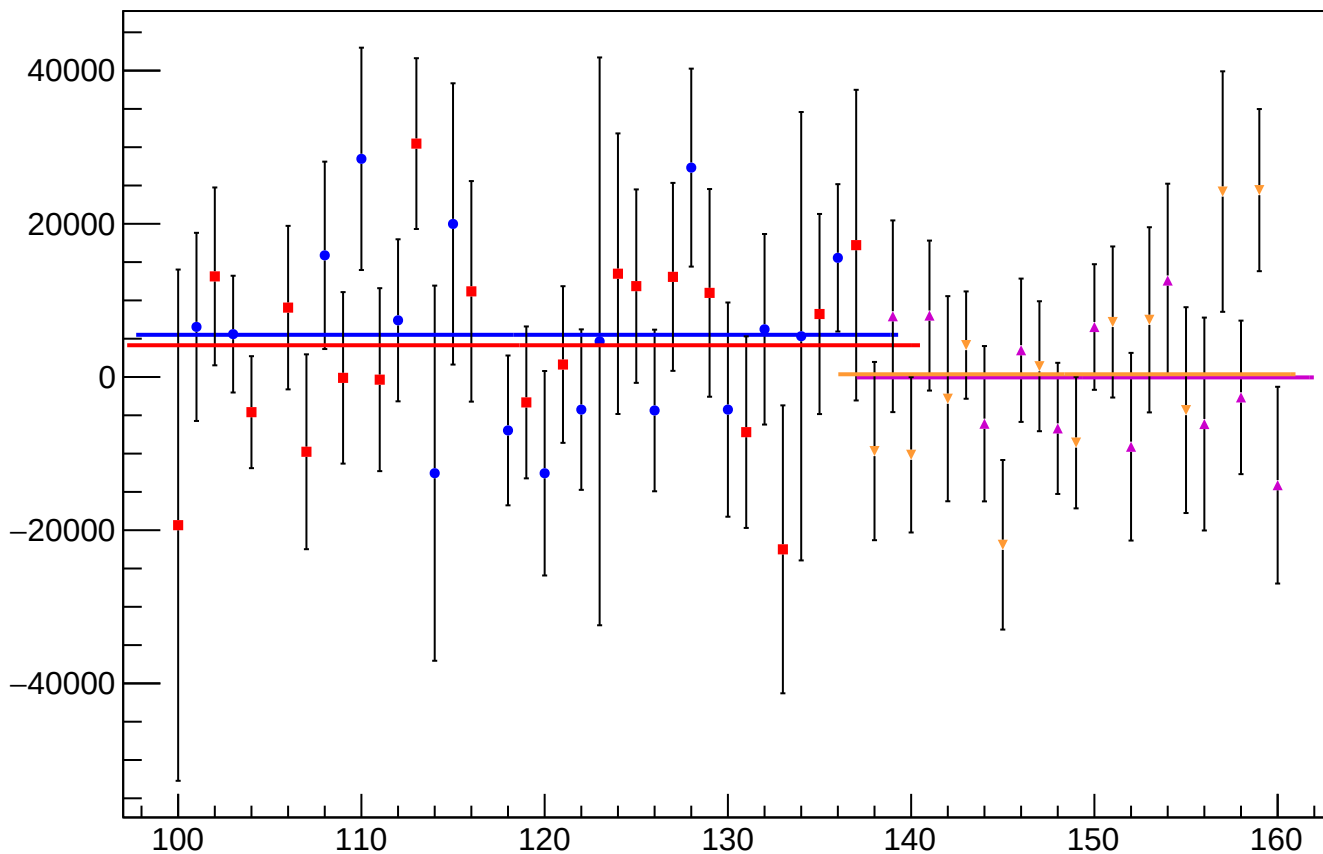
Left In: 9071.782 $\pm$ 2.174 χ^2 /NDF: 487455.3/10

7427.140 $\pm$ 1.385 χ^2 /NDF: 2263607.7/28

6968.274 $\pm$ 0.944 χ^2 /NDF: 8195534.7/58

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: 356.703 ± 2957.628 χ^2/NDF : 15.7/11

Right Out: 4146.067 ± 2790.212 χ^2/NDF : 15.4/18

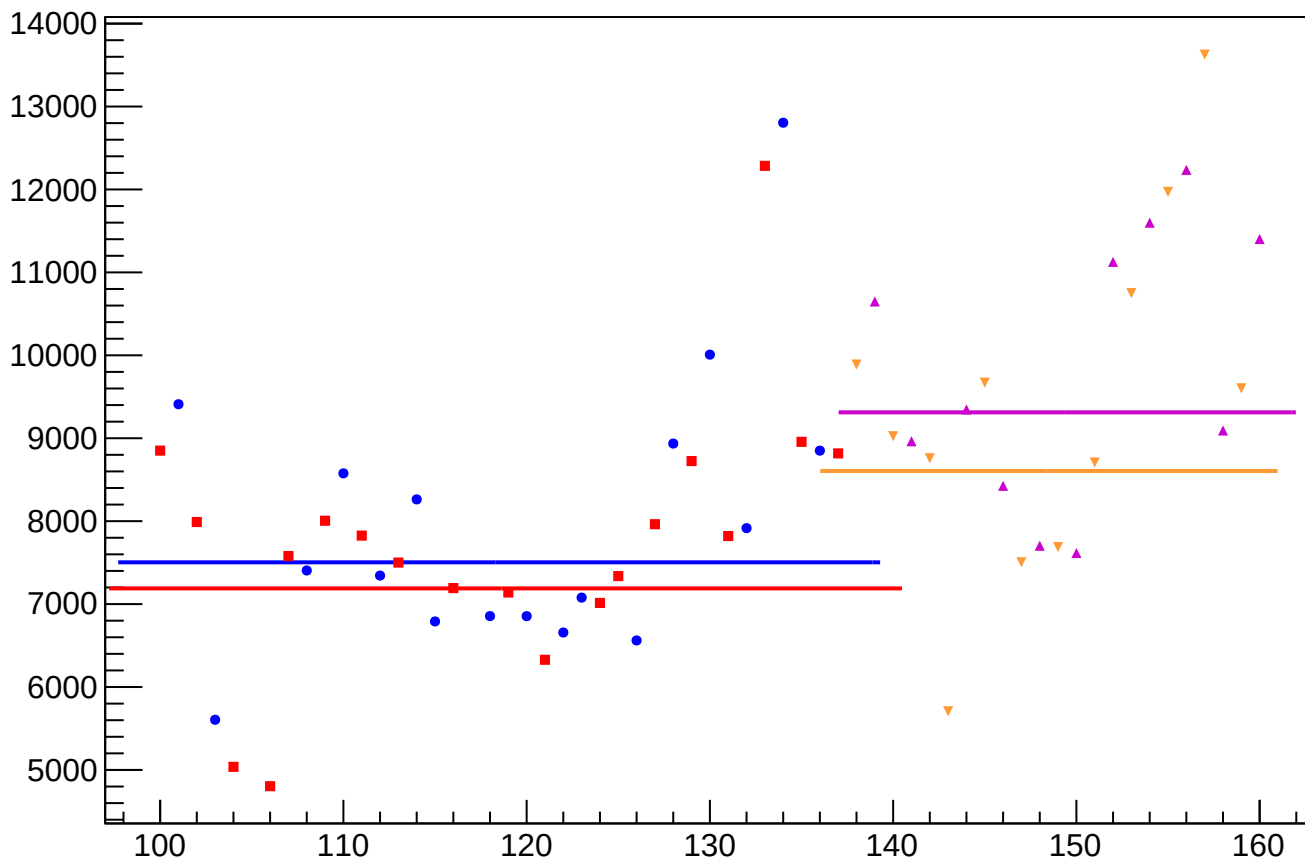
Left In: -52.382 ± 3152.555 χ^2/NDF : 5.8/10

2921.399 ± 2096.082 χ^2/NDF : 31.3/28

2610.651 ± 1479.784 χ^2/NDF : 53.6/58

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: 8605.005 ± 2.091 χ^2/NDF : 856455.2/11

Right Out: 7189.231 ± 1.973 χ^2/NDF : 557703.4/18

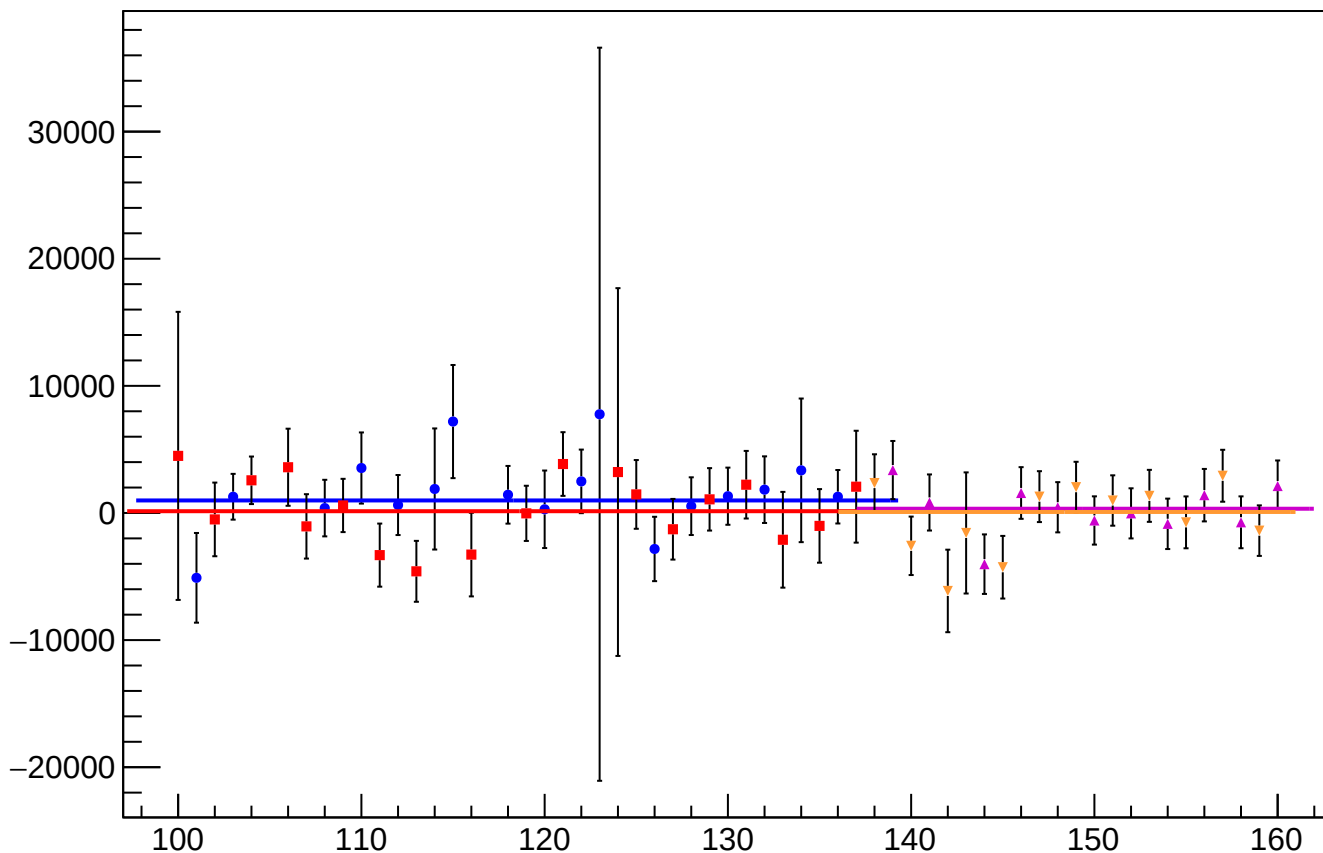
Left In: 9312.153 ± 2.229 χ^2/NDF : 451342.9/10

8056.812 ± 1.482 χ^2/NDF : 1421806.2/28

8089.311 ± 1.046 χ^2/NDF : 2940424.7/58

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: 79.272 ± 643.398 χ^2/NDF : 13.8/11

Right Out: 138.627 ± 623.555 χ^2/NDF : 14.7/18

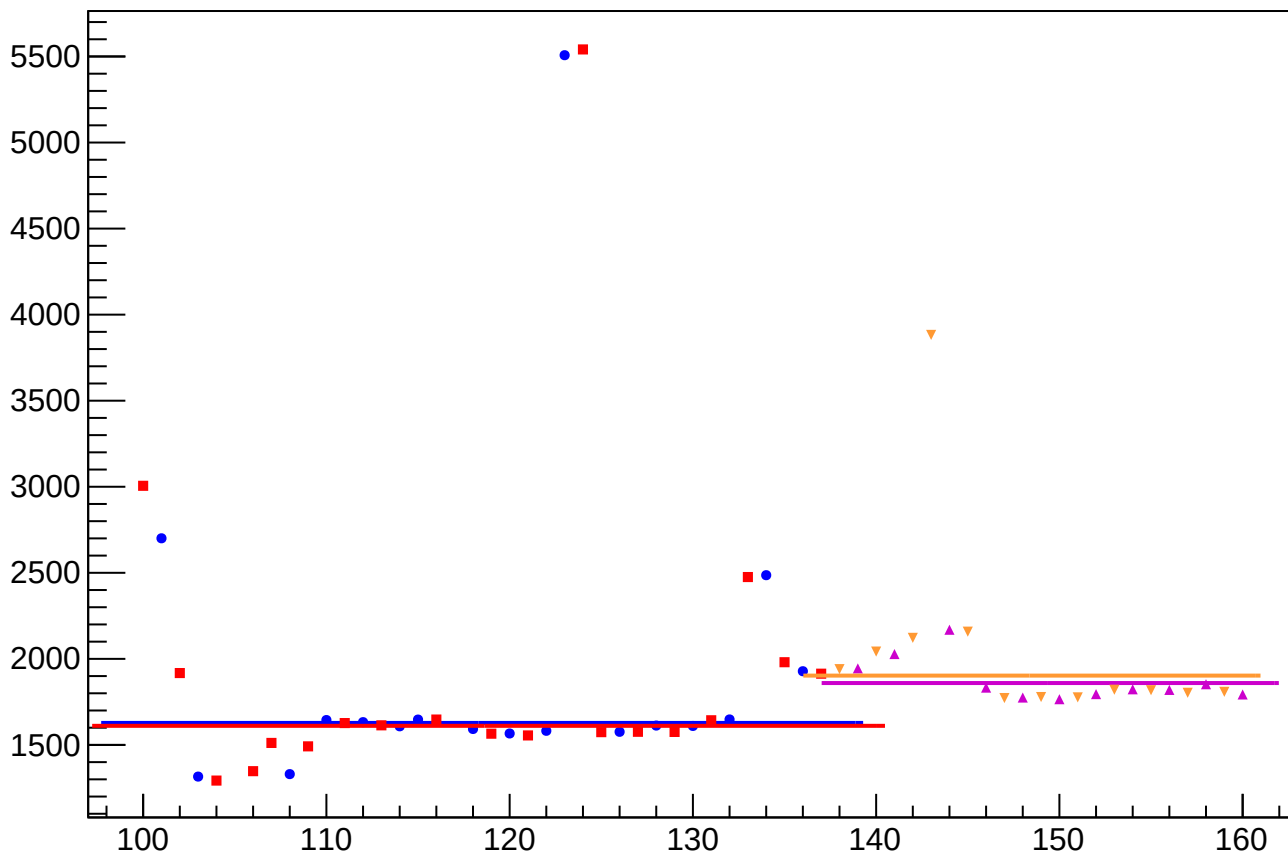
Left In: 333.244 ± 621.582 χ^2/NDF : 7.6/10

531.495 ± 455.386 χ^2/NDF : 23.9/28

378.872 ± 316.509 χ^2/NDF : 46.4/58

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: 1902.764 ± 0.455 $\chi^2/\text{NDF}: 424197.5/11$

Right Out: 1610.948 ± 0.441 $\chi^2/\text{NDF}: 433960.8/18$

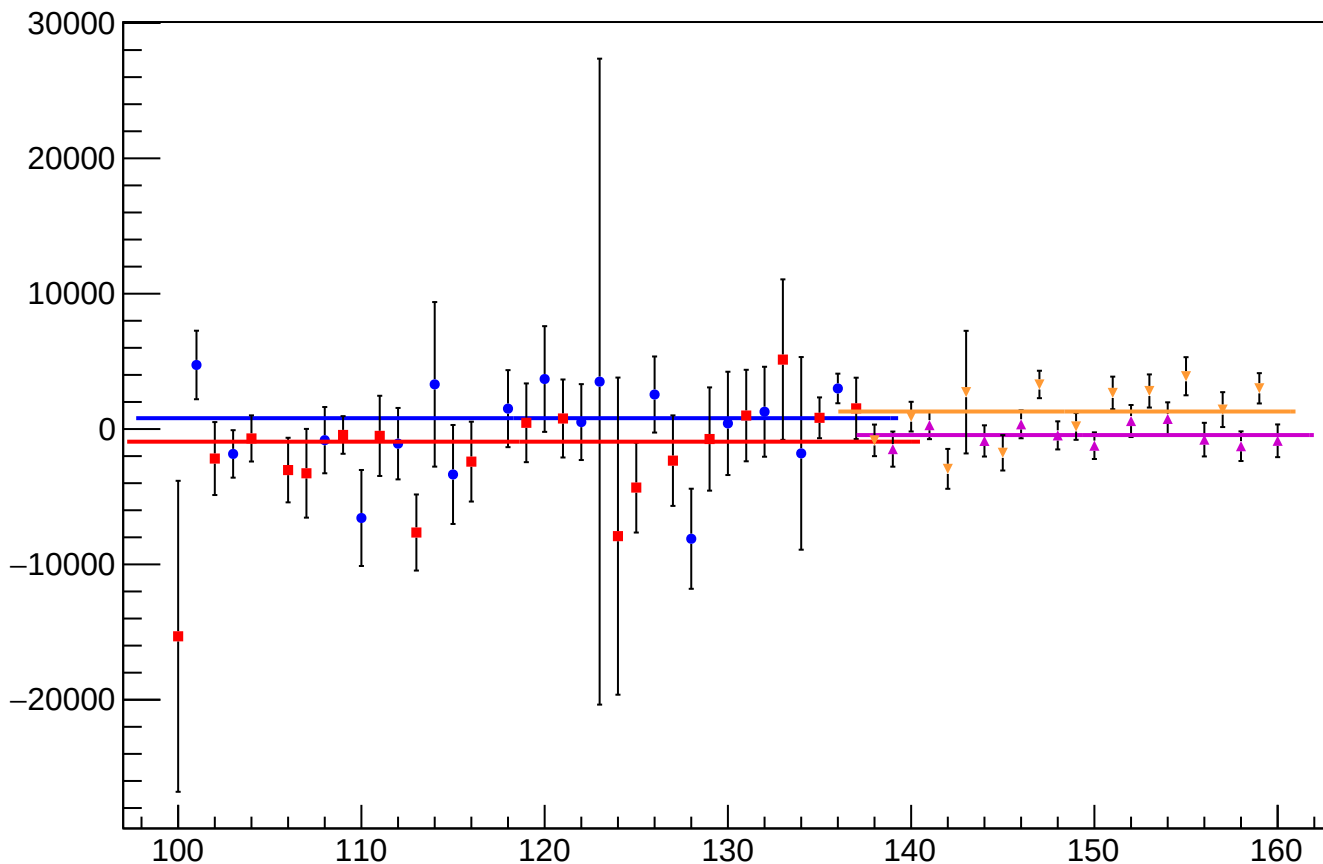
Left In: 1859.536 ± 0.440 $\chi^2/\text{NDF}: 64019.3/10$

1765.563 ± 0.322 $\chi^2/\text{NDF}: 1013545.2/28$

1750.093 ± 0.224 $\chi^2/\text{NDF}: 1675425.3/58$

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 χ^2/NDF : 22.4/16

Left Out: 1295.437+/-355.364 χ^2/NDF : 31.0/11

Right Out: -933.645+/-589.727 χ^2/NDF : 15.3/18

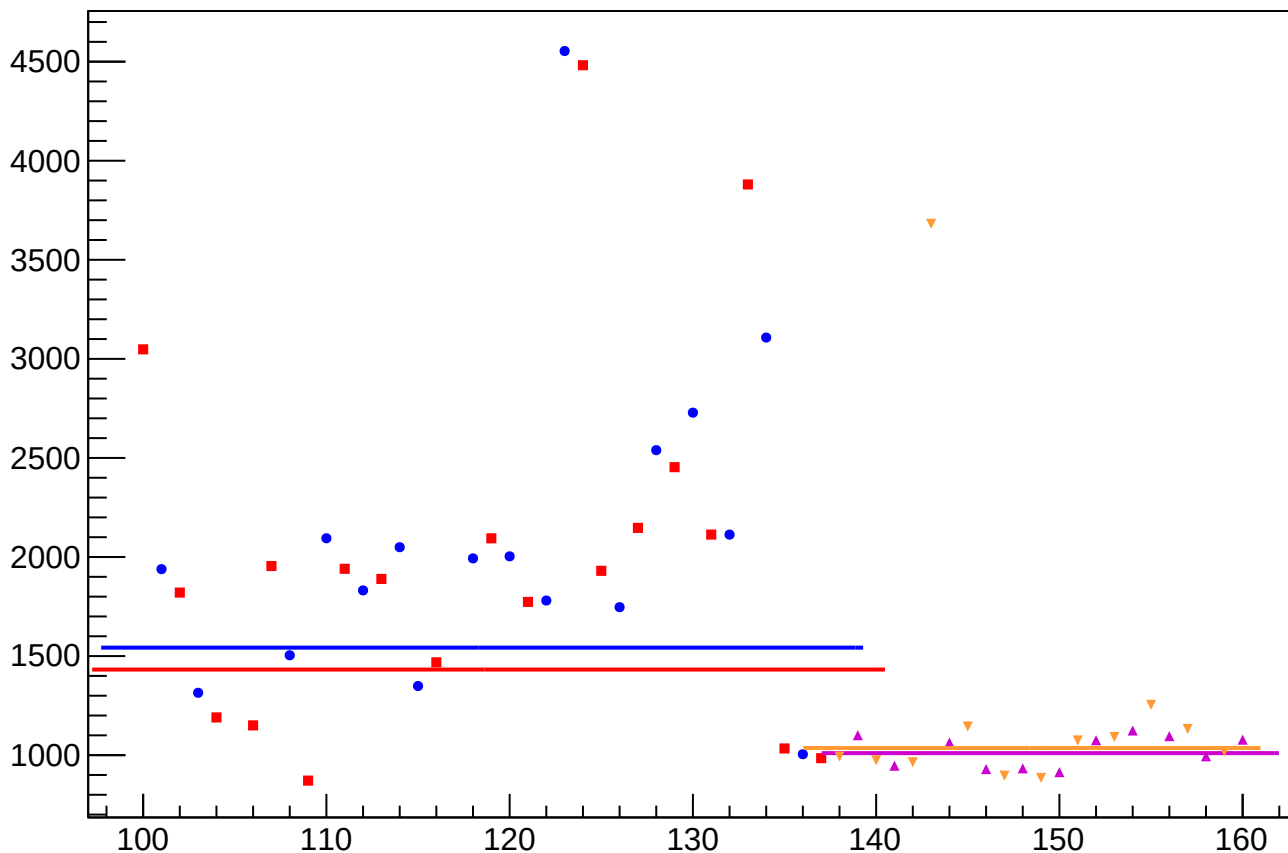
Left In: -444.655+/-338.530 χ^2/NDF : 5.0/10

1177.065+/-309.717 χ^2/NDF : 53.9/28

259.063+/-213.075 χ^2/NDF : 91.3/58

-565.853+/-293.595 χ^2/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: 1036.343 $\pm$ 0.251 χ^2 /NDF: 860148.0/11

Right Out: 1432.013 $\pm$ 0.417 χ^2 /NDF: 1823809.4/18

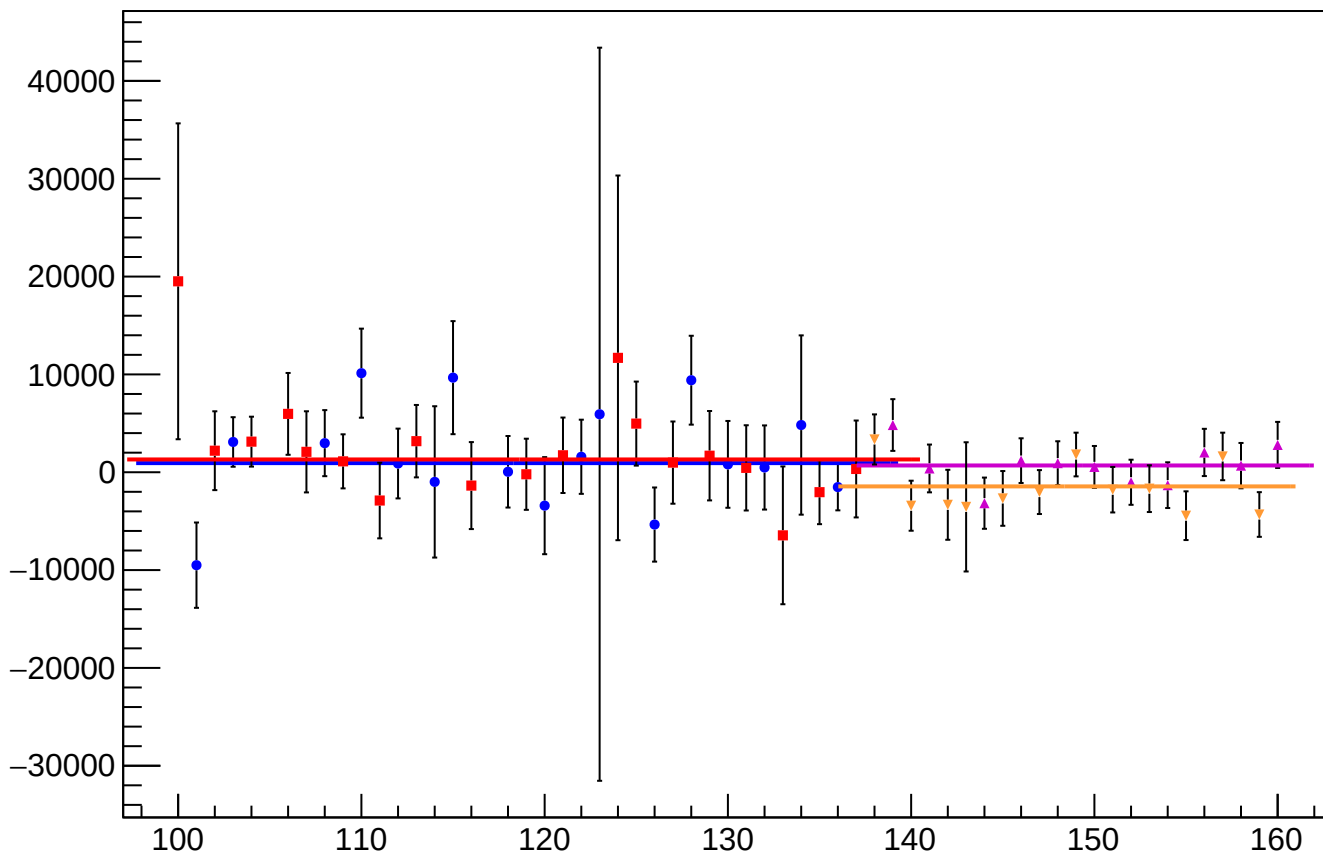
Left In: 1010.255 $\pm$ 0.239 χ^2 /NDF: 103388.4/10

1158.074 $\pm$ 0.219 χ^2 /NDF: 3124312.0/28

1135.276 $\pm$ 0.151 χ^2 /NDF: 5841492.5/58

1114.790 $\pm$ 0.208 χ^2 /NDF: 2696605.8/29

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -1447.129 ± 742.037 χ^2/NDF : 11.5/11

Right Out: 1307.802 ± 925.415 χ^2/NDF : 8.5/18

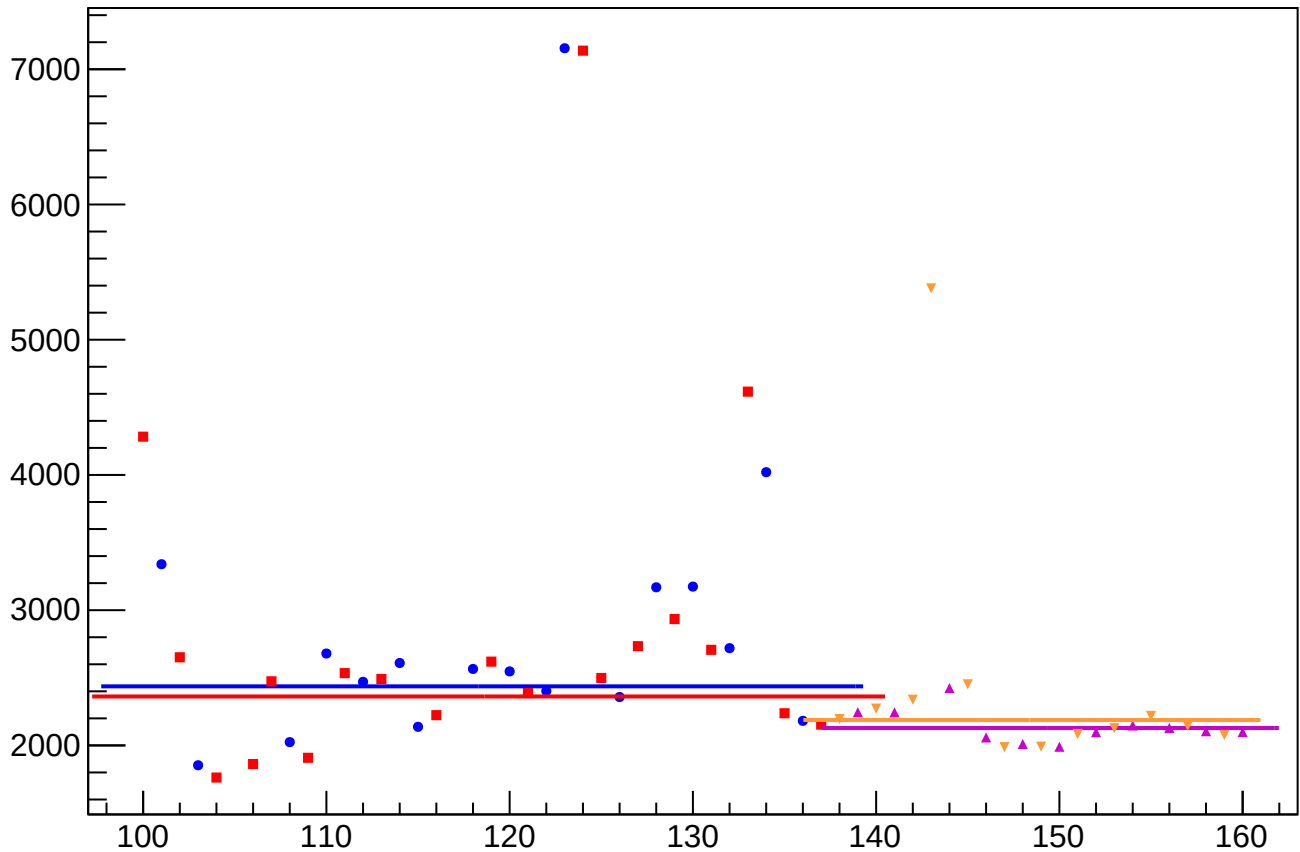
Left In: 692.777 ± 711.310 χ^2/NDF : 7.1/10

-566.175 ± 588.900 χ^2/NDF : 36.9/28

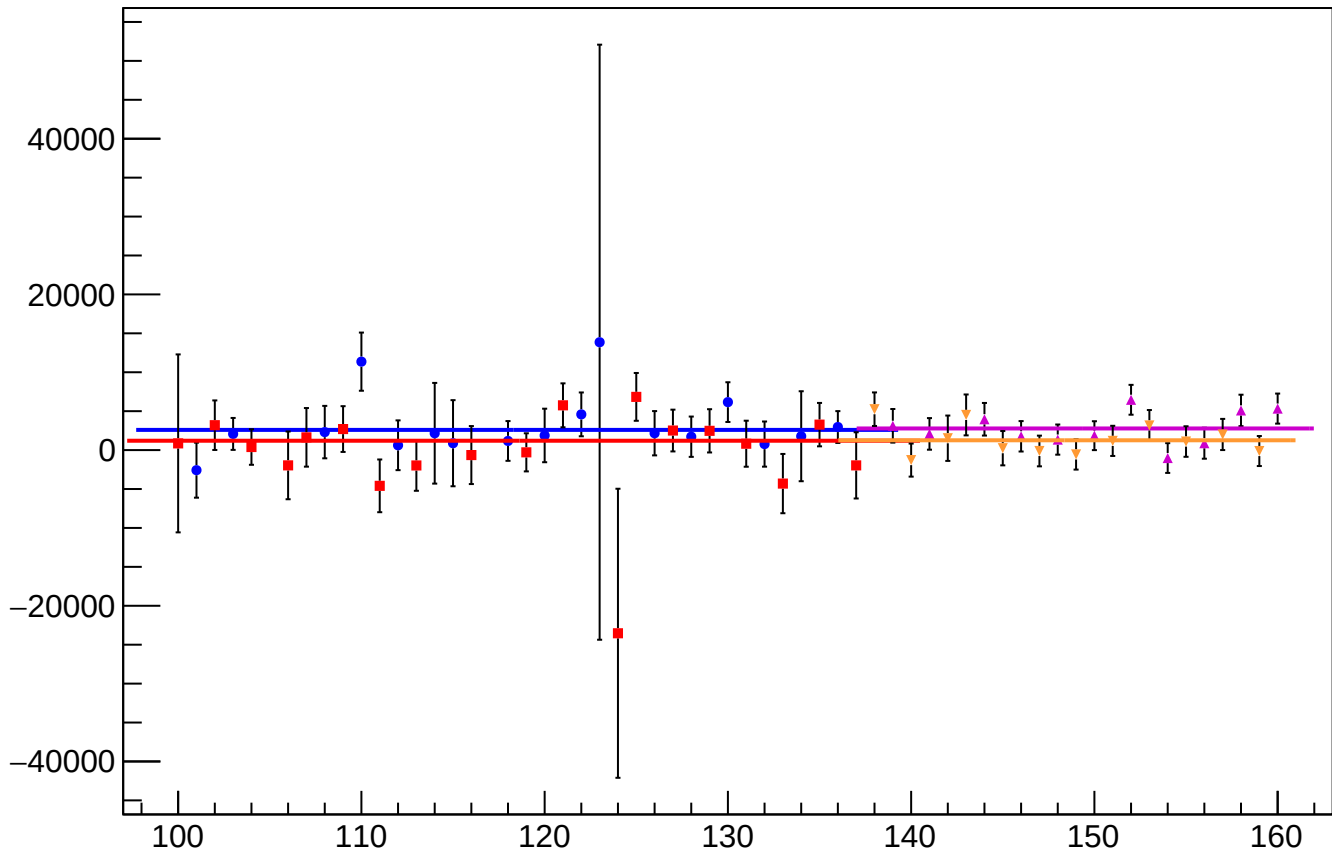
209.665 ± 407.313 χ^2/NDF : 56.1/58

921.189 ± 563.963 χ^2/NDF : 15.9/29

asym_at2_dd_rms vs Slug, Sign Corrected



reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1260.138+/-605.764 χ^2/NDF : 9.6/11

Right Out: 1202.548+/-739.618 χ^2/NDF : 17.2/18

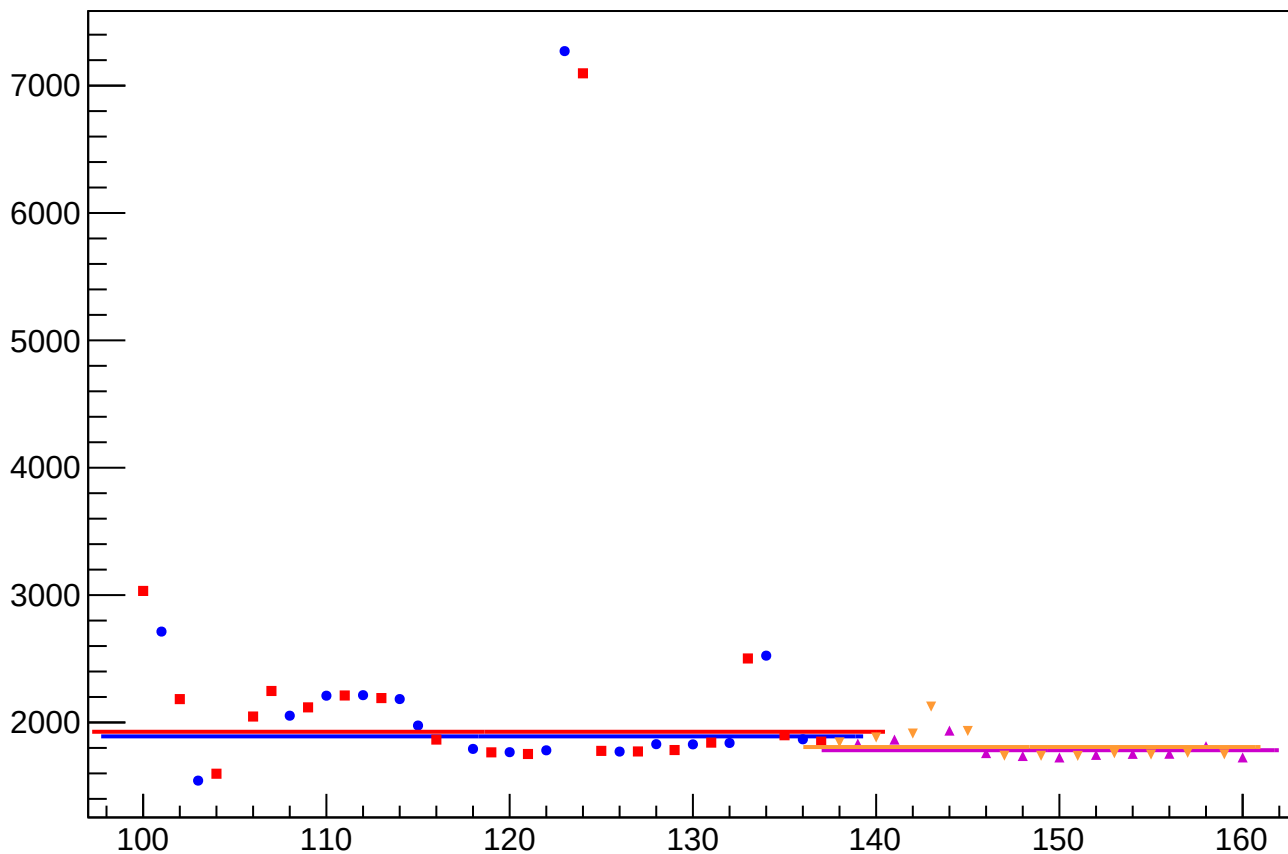
Left In: 2778.070+/-595.992 χ^2/NDF : 13.1/10

1793.013+/-469.499 χ^2/NDF : 23.2/28

1977.525+/-330.051 χ^2/NDF : 56.6/58

2157.797+/-464.073 χ^2/NDF : 33.1/29

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1807.029+/-0.428 χ^2/NDF : 54788.2/11

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

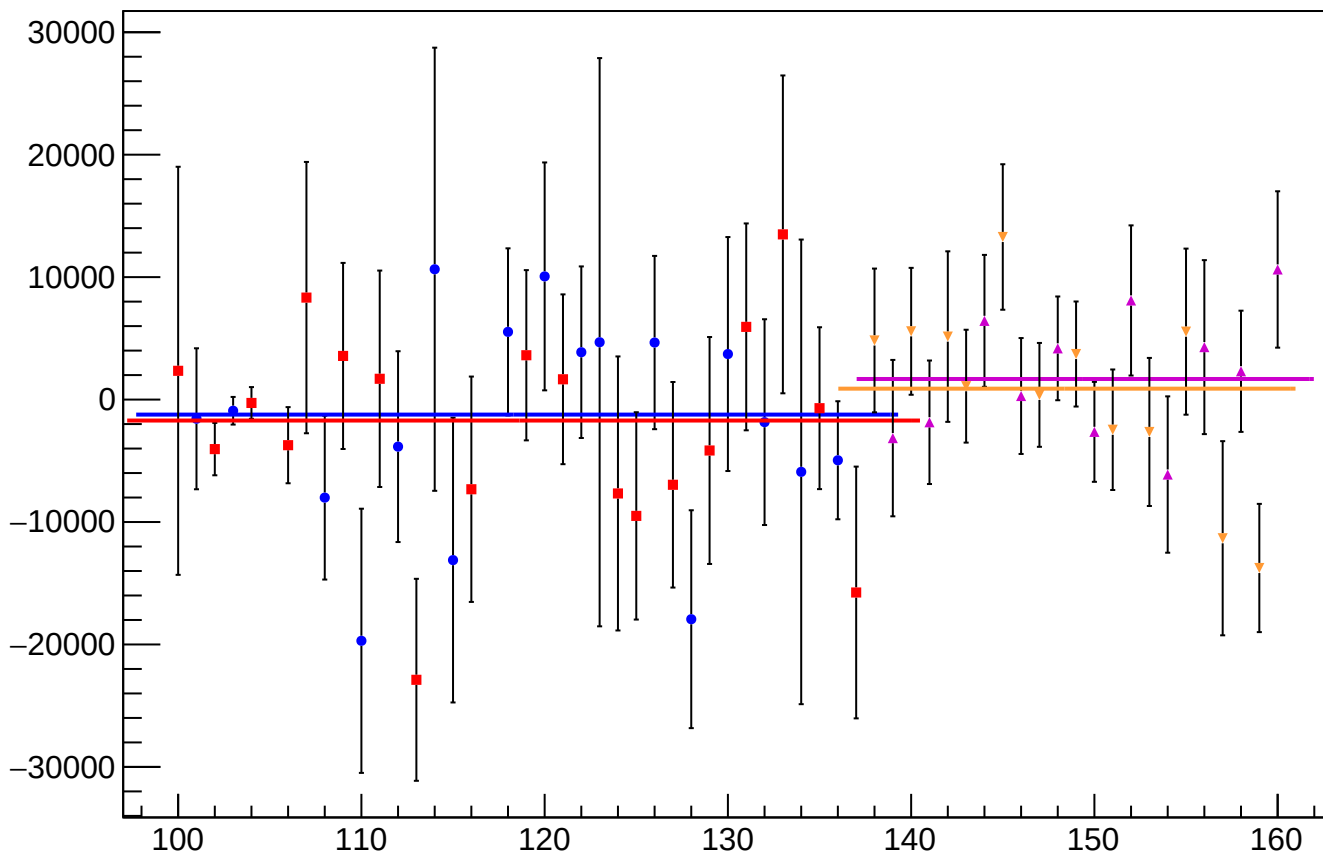
Left In: 1782.130+/-0.421 χ^2/NDF : 22341.1/10

1840.447+/-0.332 χ^2/NDF : 358976.7/28

1839.843+/-0.233 χ^2/NDF : 790157.3/58

1839.253+/-0.328 χ^2/NDF : 431174.1/29

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 891.376 $\pm$ 1552.347 χ^2 /NDF: 17.9/11

Right Out: -1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

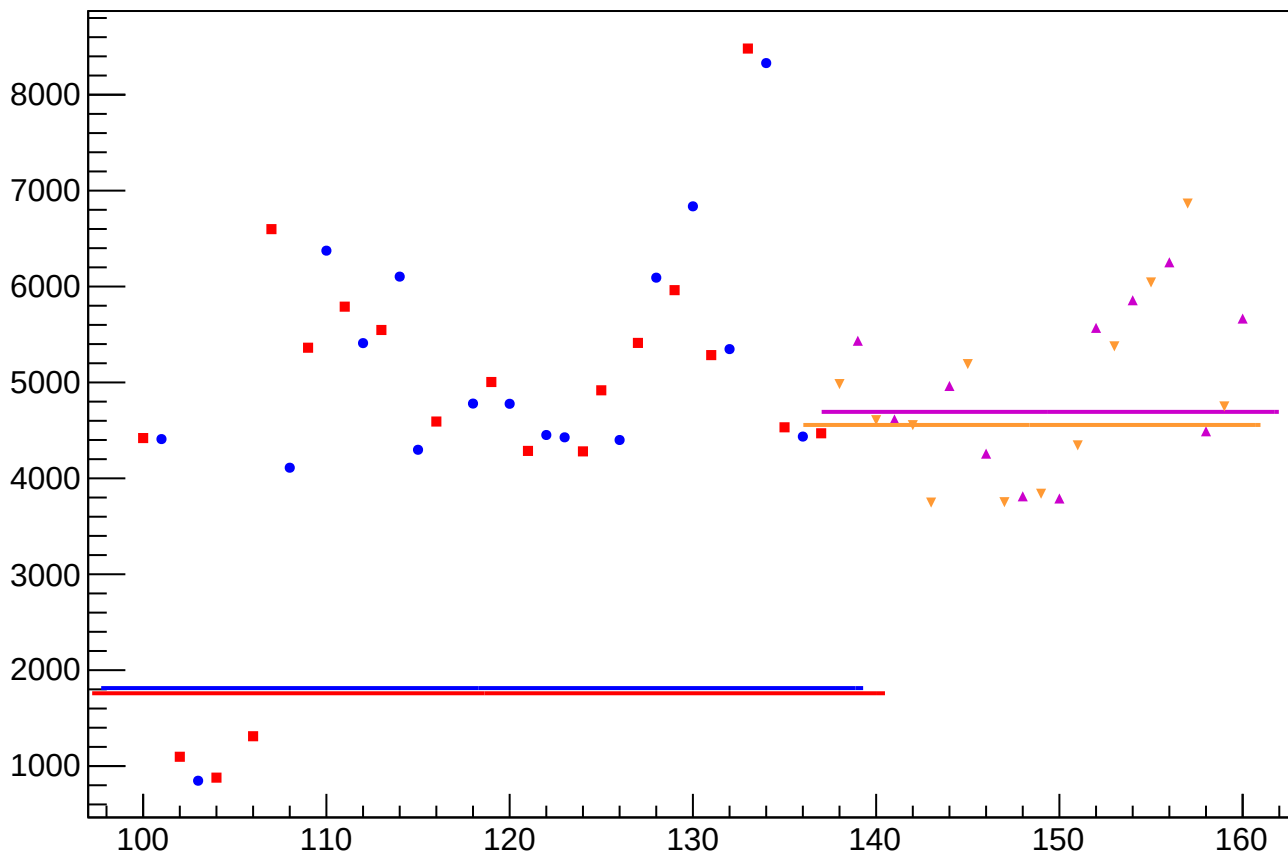
Left In: 1681.270 $\pm$ 1591.131 χ^2 /NDF: 8.1/10

-619.213 $\pm$ 831.460 χ^2 /NDF: 33.1/28

-728.203 $\pm$ 580.315 χ^2 /NDF: 62.4/58

-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: 4556.765+/-1.098 χ^2/NDF : 531993.0/11

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

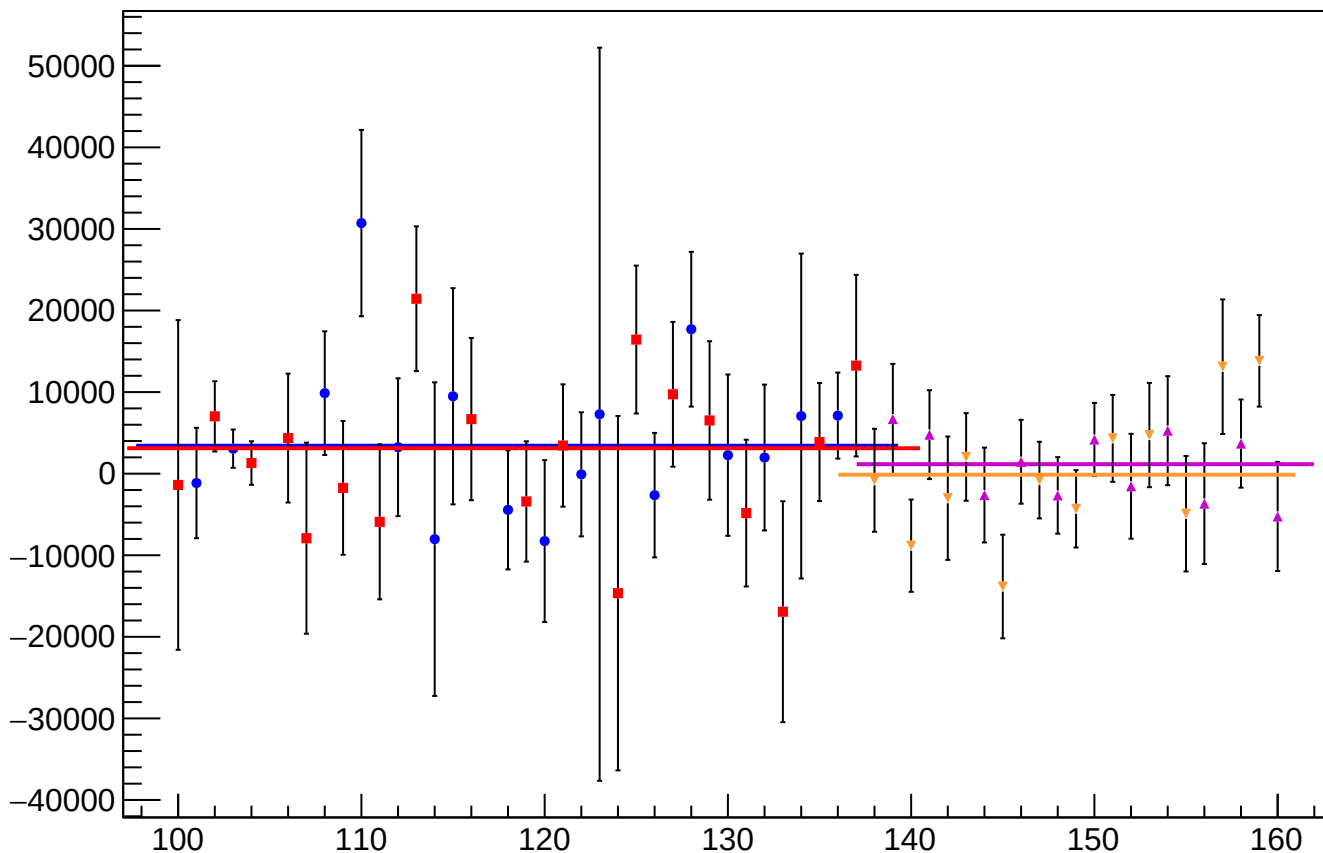
Left In: 4693.201+/-1.125 χ^2/NDF : 487205.2/10

2600.280+/-0.588 χ^2/NDF : 11436003.1/28

2559.170+/-0.410 χ^2/NDF : 23282707.6/5

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: -128.753+/-1691.871 χ^2/NDF : 18.6/11

Right Out: 3117.857+/-1605.930 χ^2/NDF : 16.0/18

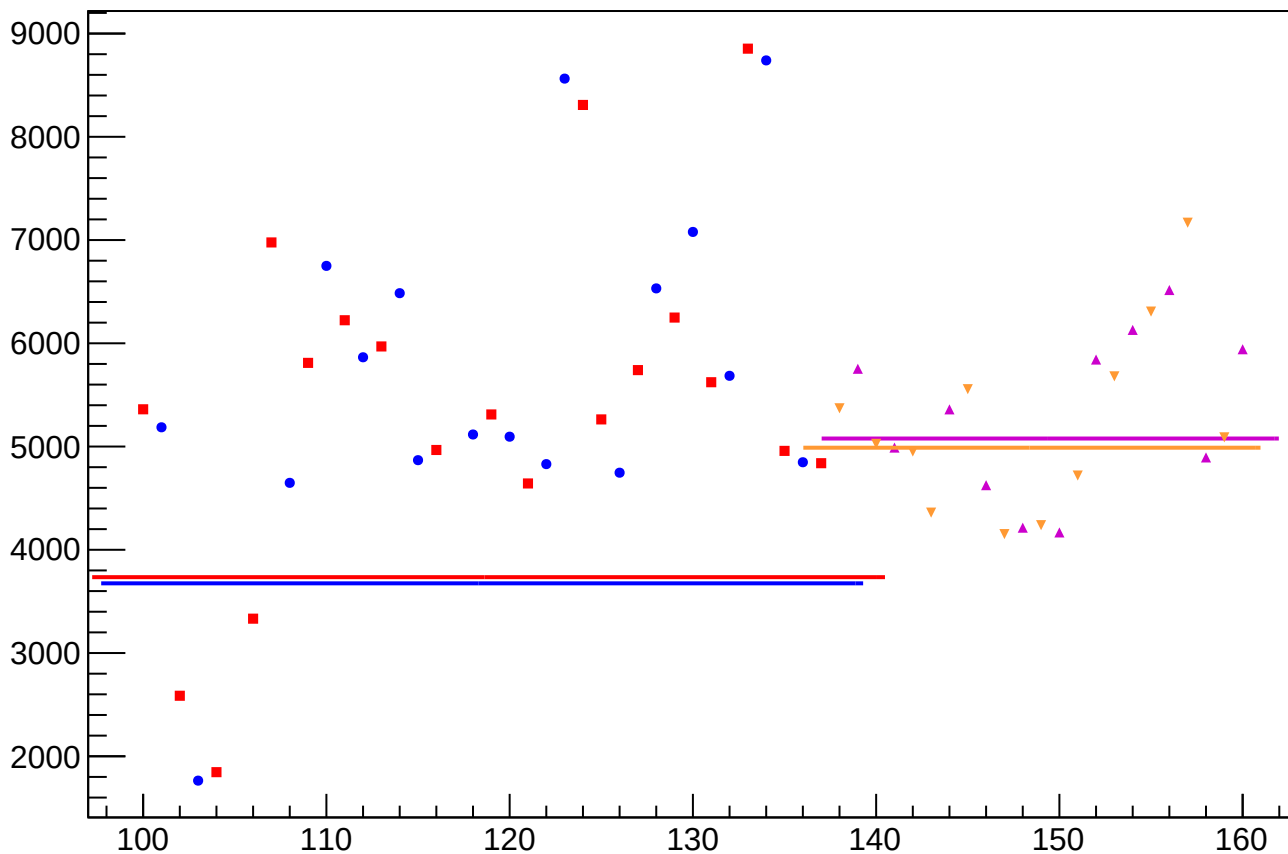
Left In: 1162.606+/-1715.832 χ^2/NDF : 4.8/10

1737.883+/-1165.047 χ^2/NDF : 34.7/28

1969.879+/-826.433 χ^2/NDF : 56.2/58

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: 4988.709 $\pm$ 1.196 χ^2 /NDF: 402613.1/11

Right Out: 3734.796 $\pm$ 1.128 χ^2 /NDF: 2693929.0/18

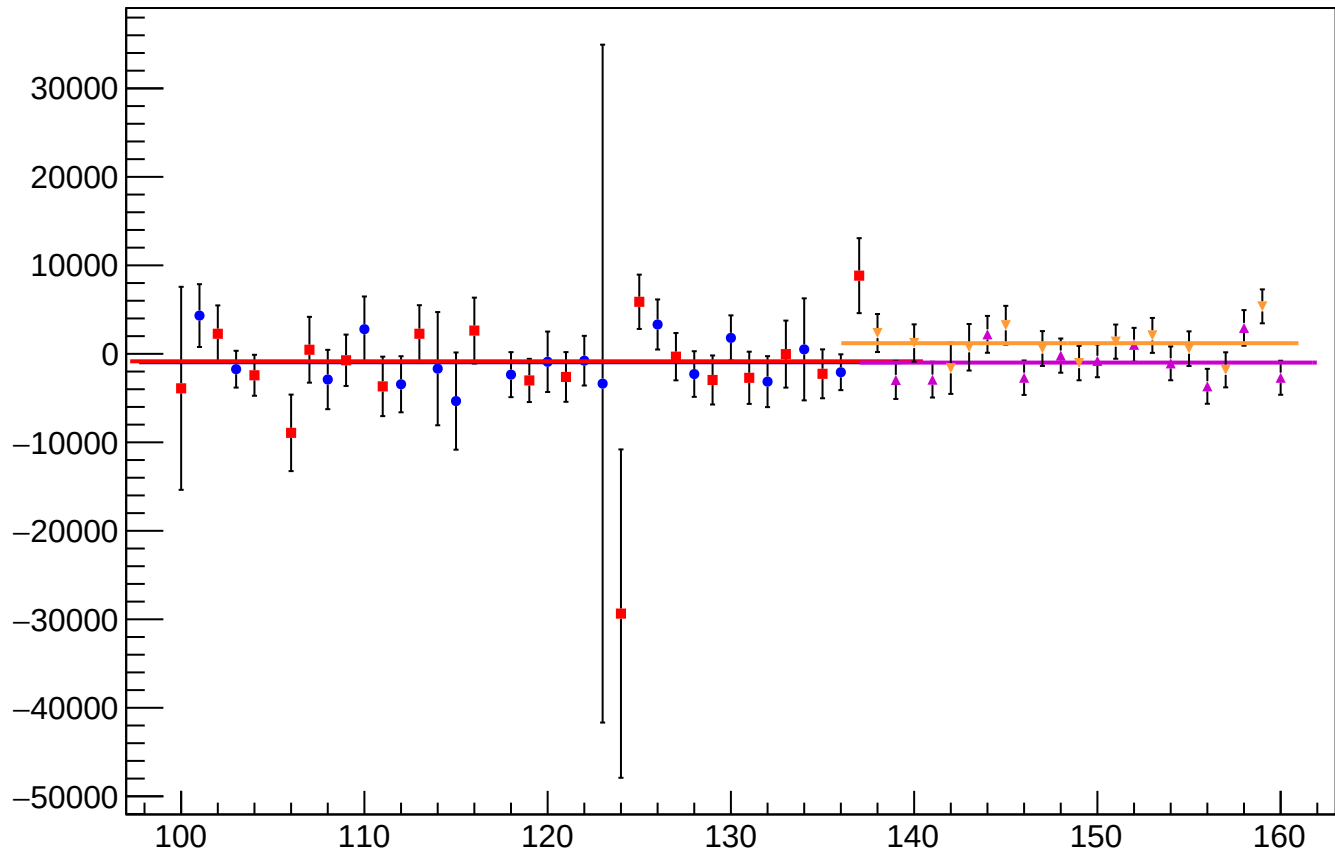
Left In: 5077.645 $\pm$ 1.213 χ^2 /NDF: 379922.5/10

4297.949 $\pm$ 0.824 χ^2 /NDF: 3811745.4/28

4327.585 $\pm$ 0.583 χ^2 /NDF: 7545238.0/58

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: 1203.904+/-603.096 χ^2/NDF : 10.9/11

Right Out: -843.515+/-737.527 χ^2/NDF : 22.5/18

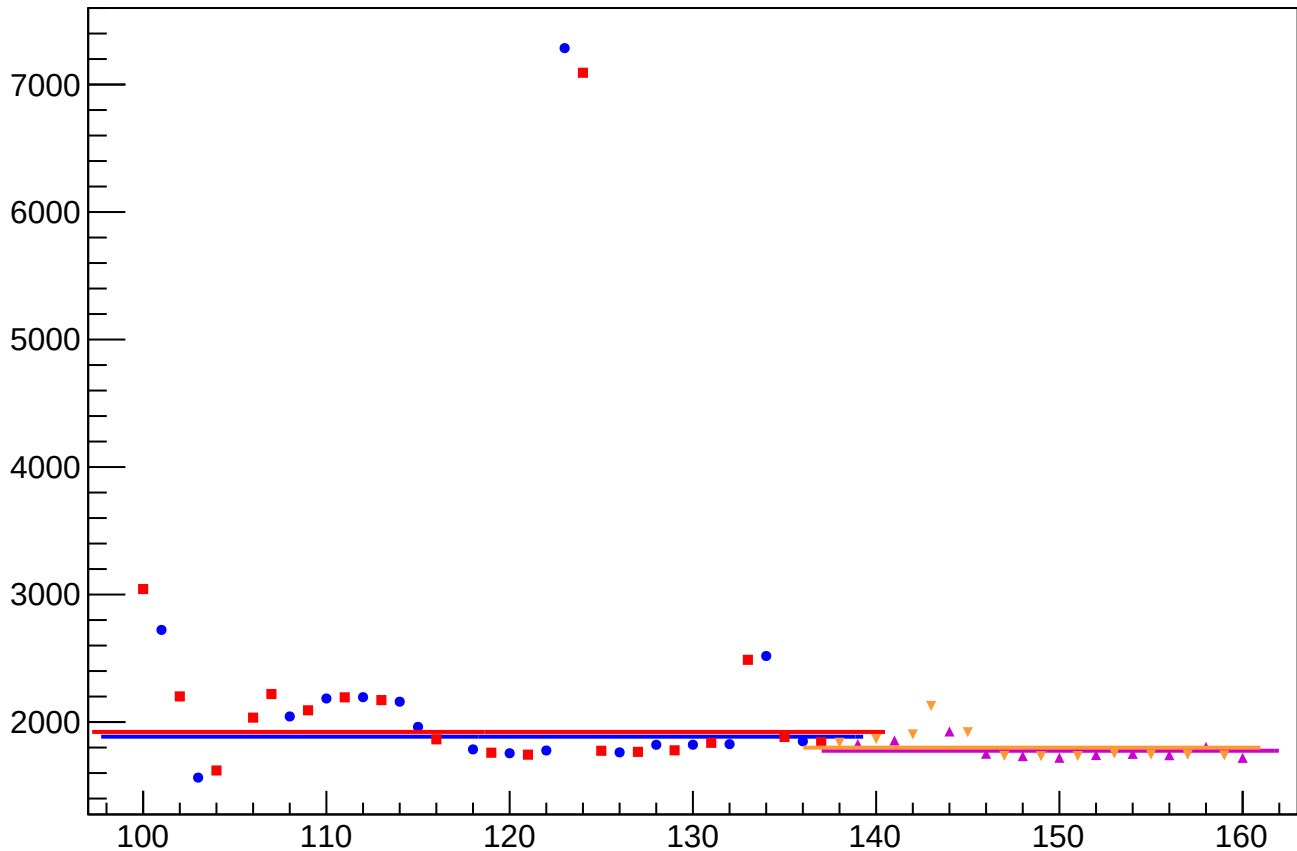
Left In: -988.358+/-593.592 χ^2/NDF : 12.6/10

344.629+/-467.668 χ^2/NDF : 25.9/28

-300.590+/-328.821 χ^2/NDF : 64.8/58

-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 $\chi^2/\text{NDF}: 280429.0/16$

Left Out: 1799.120 ± 0.426 $\chi^2/\text{NDF}: 55356.8/11$

Right Out: 1922.538 ± 0.521 $\chi^2/\text{NDF}: 351512.1/18$

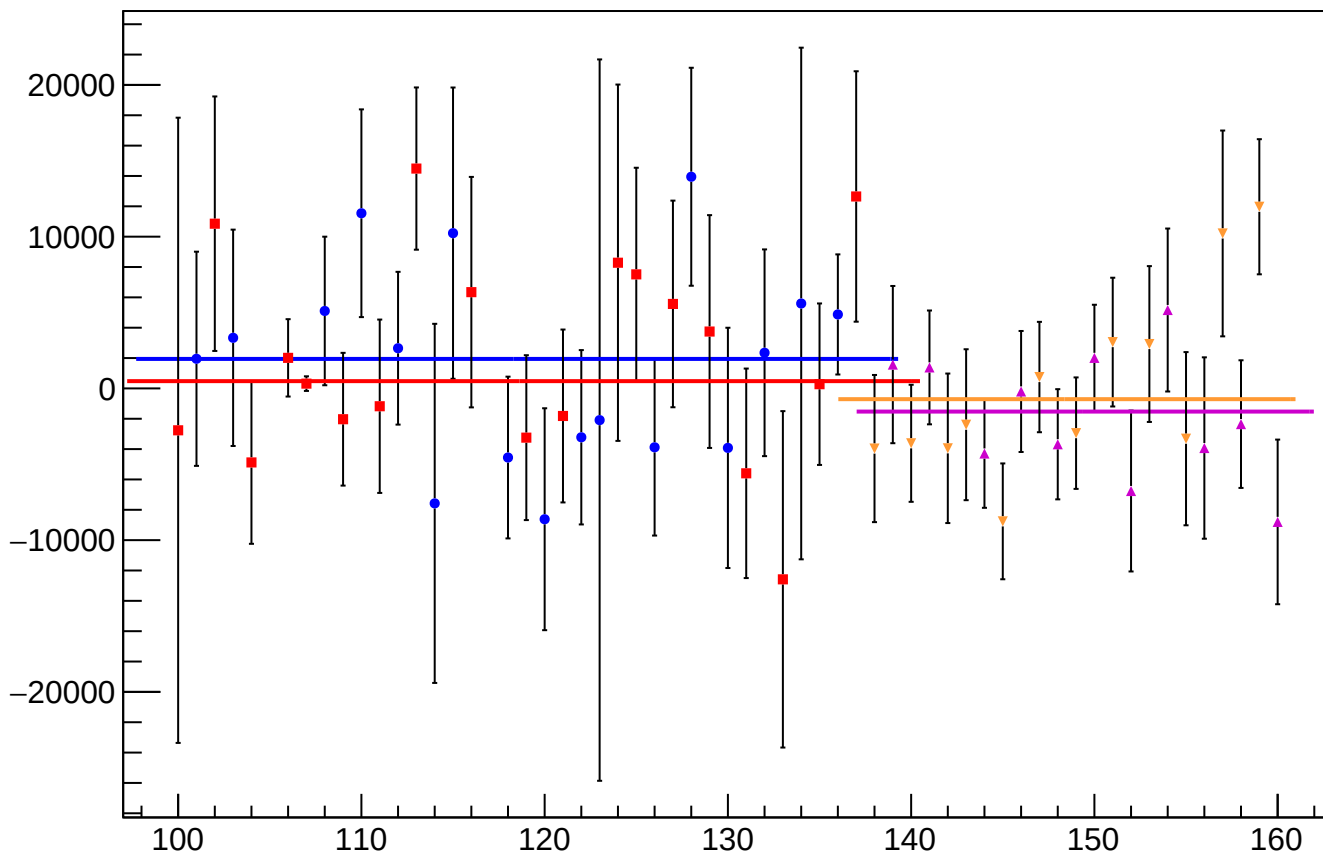
Left In: 1774.994 ± 0.420 $\chi^2/\text{NDF}: 21559.7/10$

1833.503 ± 0.331 $\chi^2/\text{NDF}: 352090.0/28$

1833.302 ± 0.232 $\chi^2/\text{NDF}: 773830.7/58$

1833.107 ± 0.327 $\chi^2/\text{NDF}: 421739.9/29$

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -709.115+/-1284.474 χ^2/NDF : 18.7/11

Right Out: 478.828+/-453.684 χ^2/NDF : 18.1/18

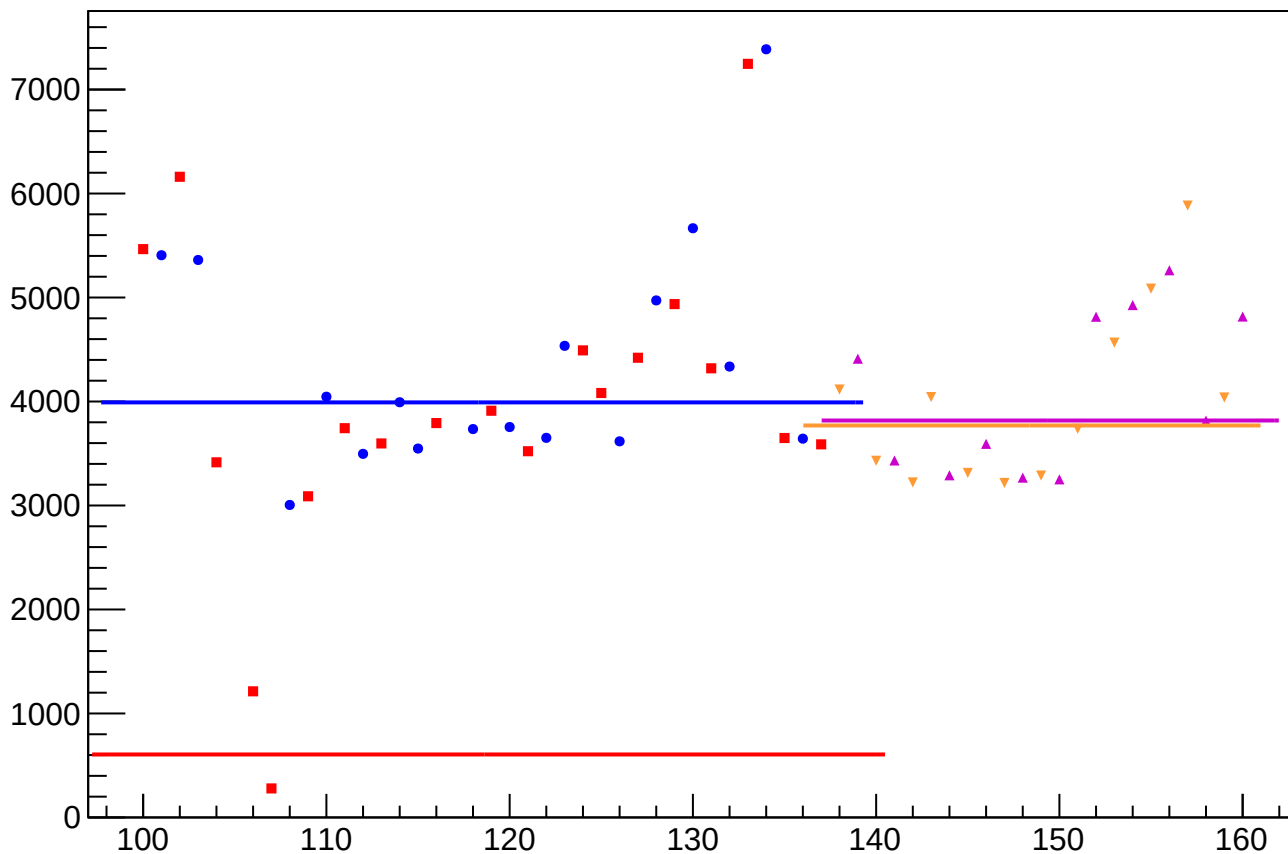
Left In: -1527.031+/-1295.803 χ^2/NDF : 7.6/10

345.426+/-996.941 χ^2/NDF : 33.6/28

273.131+/-393.442 χ^2/NDF : 61.4/58

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: 3769.477+/-0.908 χ^2/NDF : 521900.8/11

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

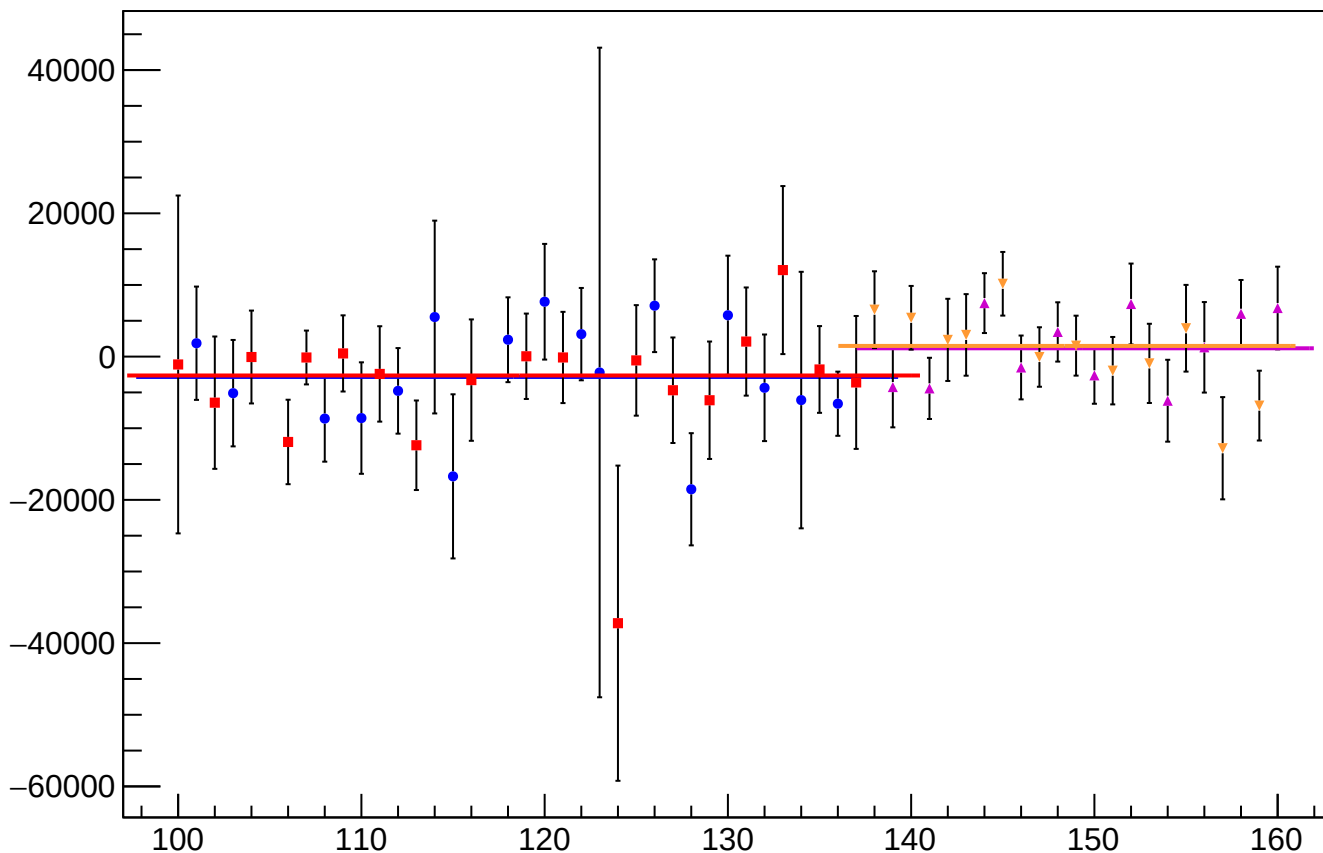
Left In: 3817.387+/-0.916 χ^2/NDF : 536119.4/10

3857.719+/-0.705 χ^2/NDF : 1056424.0/28

1408.304+/-0.278 χ^2/NDF : 37083787.7/5

956.435+/-0.303 χ^2/NDF : 21727099.6/29

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599+/-1786.019 χ^2/NDF : 15.4/16

Left Out: 1489.796+/-1444.508 χ^2/NDF : 13.5/11

Right Out: -2637.071+/-1575.105 χ^2/NDF : 11.2/18

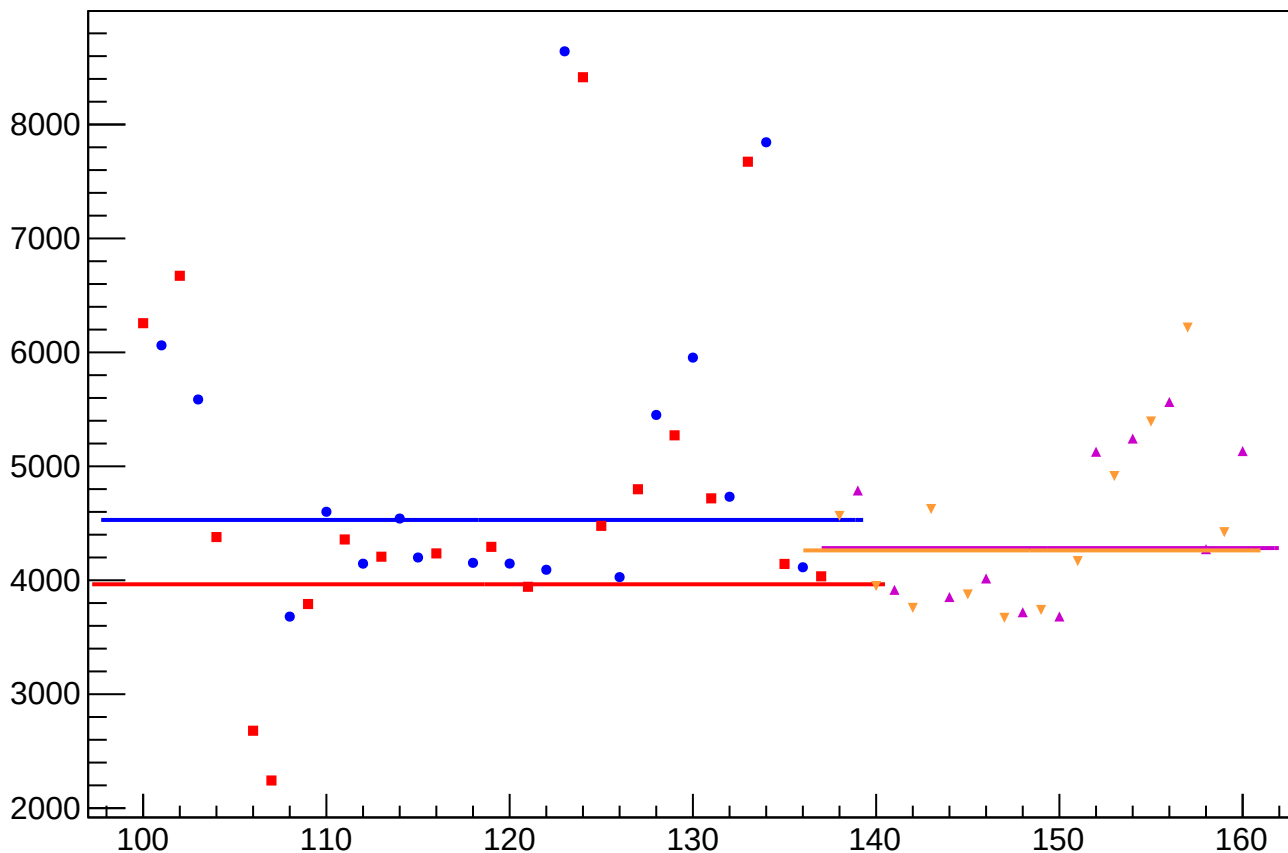
Left In: 1158.535+/-1446.357 χ^2/NDF : 11.3/10

-222.283+/-1123.141 χ^2/NDF : 32.5/28

-409.438+/-772.936 χ^2/NDF : 58.2/58

-577.826+/-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: 4262.067+/-1.021 χ^2/NDF : 377653.1/11

Right Out: 3964.829+/-1.107 χ^2/NDF : 1140409.6/18

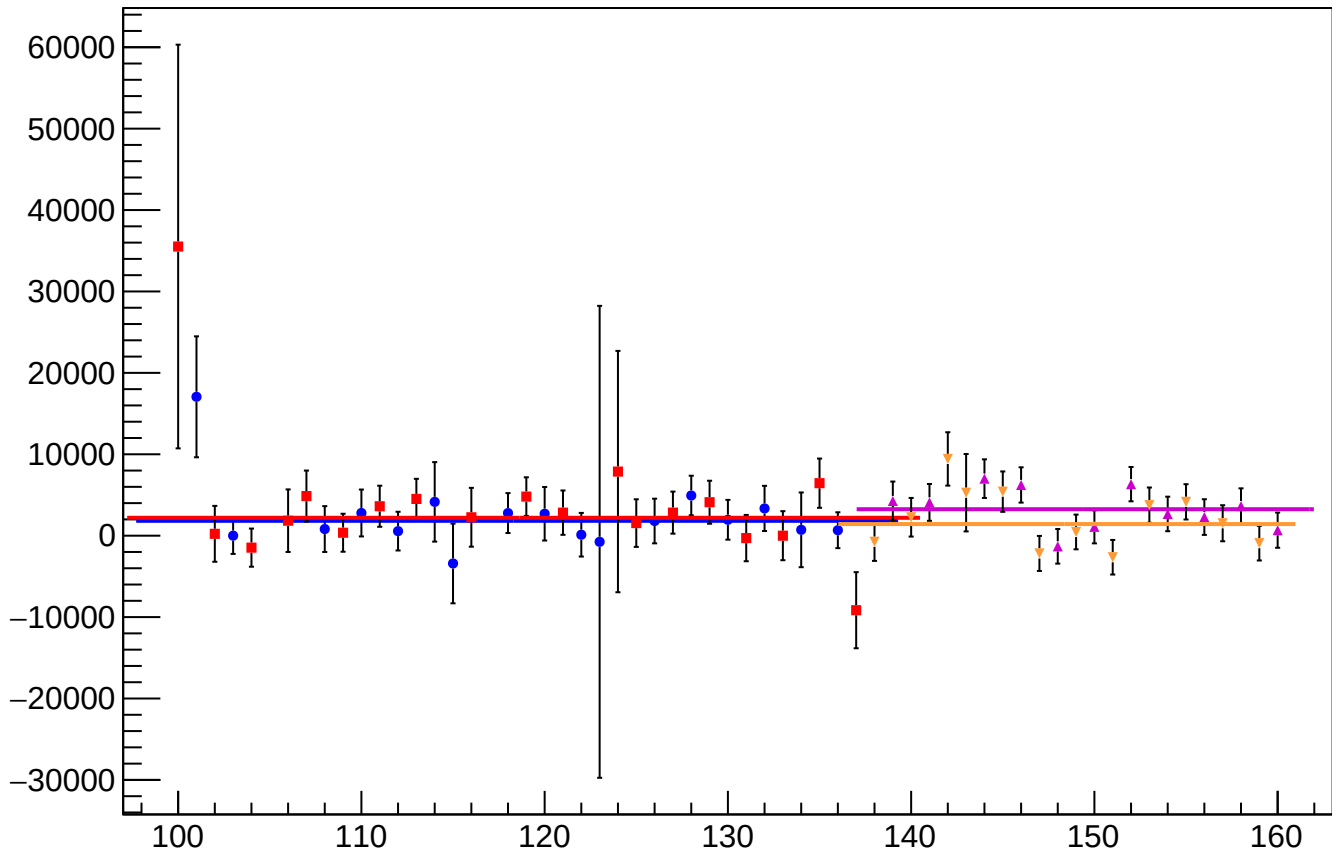
Left In: 4282.540+/-1.023 χ^2/NDF : 369424.9/10

4367.809+/-0.794 χ^2/NDF : 794080.6/28

4245.545+/-0.546 χ^2/NDF : 2393269.1/58

4136.187+/-0.751 χ^2/NDF : 1554288.9/29

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1428.176+/-679.339 χ^2/NDF : 20.8/11

Right Out: 2198.063+/-684.205 χ^2/NDF : 18.3/18

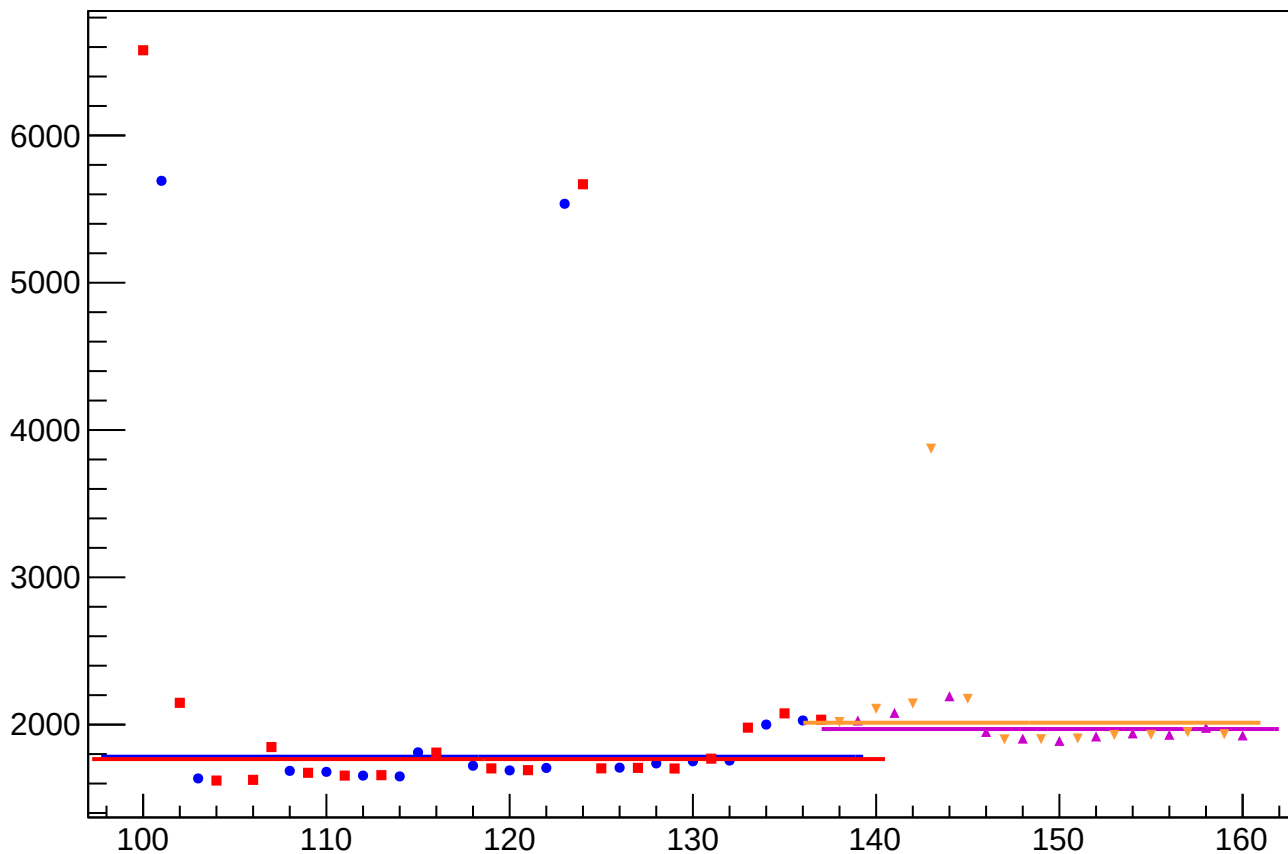
Left In: 3252.386+/-658.586 χ^2/NDF : 14.3/10

1619.897+/-491.287 χ^2/NDF : 30.7/28

2202.184+/-341.299 χ^2/NDF : 67.3/58

2745.333+/-474.489 χ^2/NDF : 33.9/29

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137 ± 0.503 χ^2/NDF : 645188.8/16

Left Out: 2012.801 ± 0.480 χ^2/NDF : 347652.1/11

Right Out: 1765.967 ± 0.480 χ^2/NDF : 306798.2/18

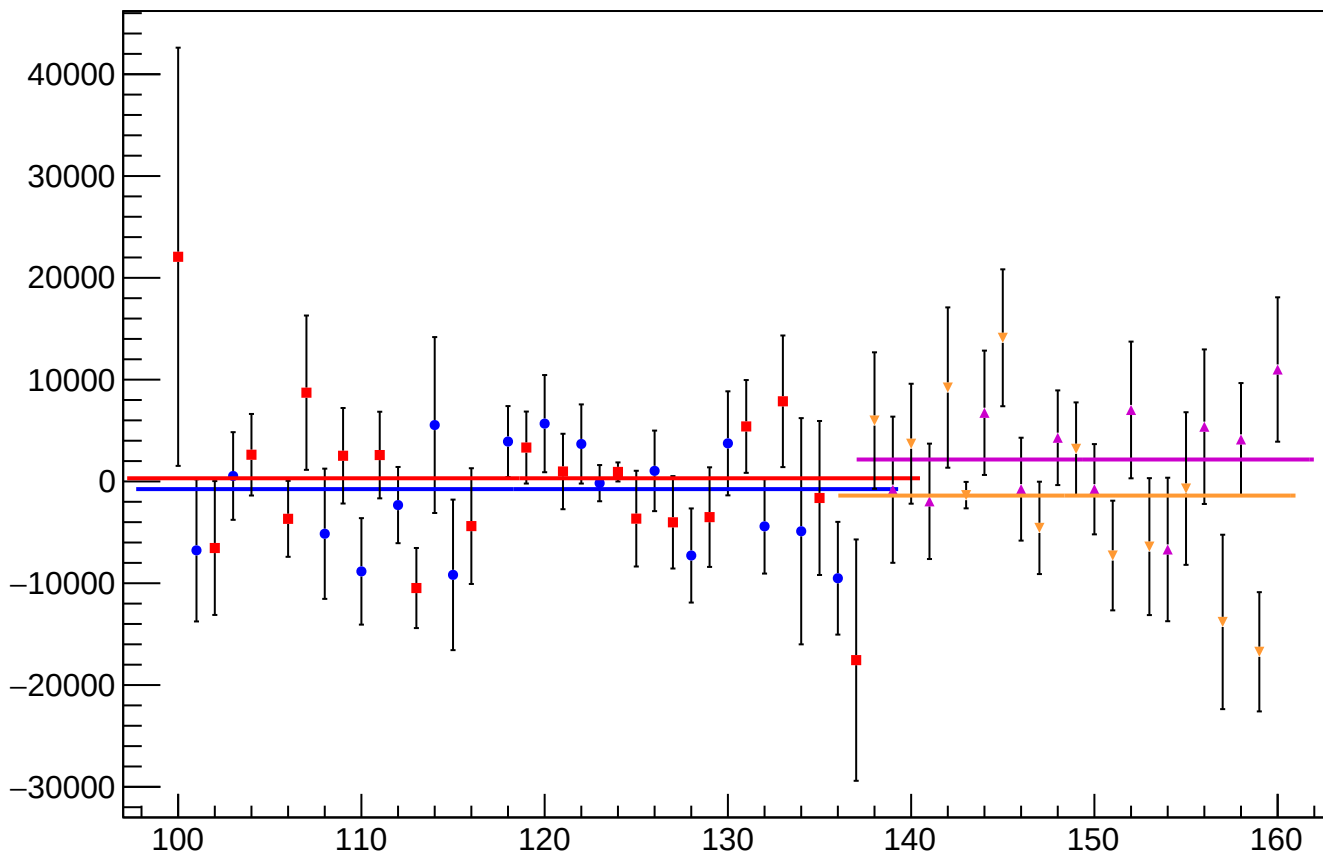
Left In: 1969.930 ± 0.466 χ^2/NDF : 31643.4/10

1902.773 ± 0.347 χ^2/NDF : 1102827.6/28

1886.353 ± 0.241 χ^2/NDF : 1538486.0/58

1871.139 ± 0.334 χ^2/NDF : 431354.3/29

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428 ± 1008.523 χ^2/NDF : 16.9/16

Left Out: -1388.726 ± 1056.564 χ^2/NDF : 21.3/11

Right Out: 311.405 ± 725.132 χ^2/NDF : 22.0/18

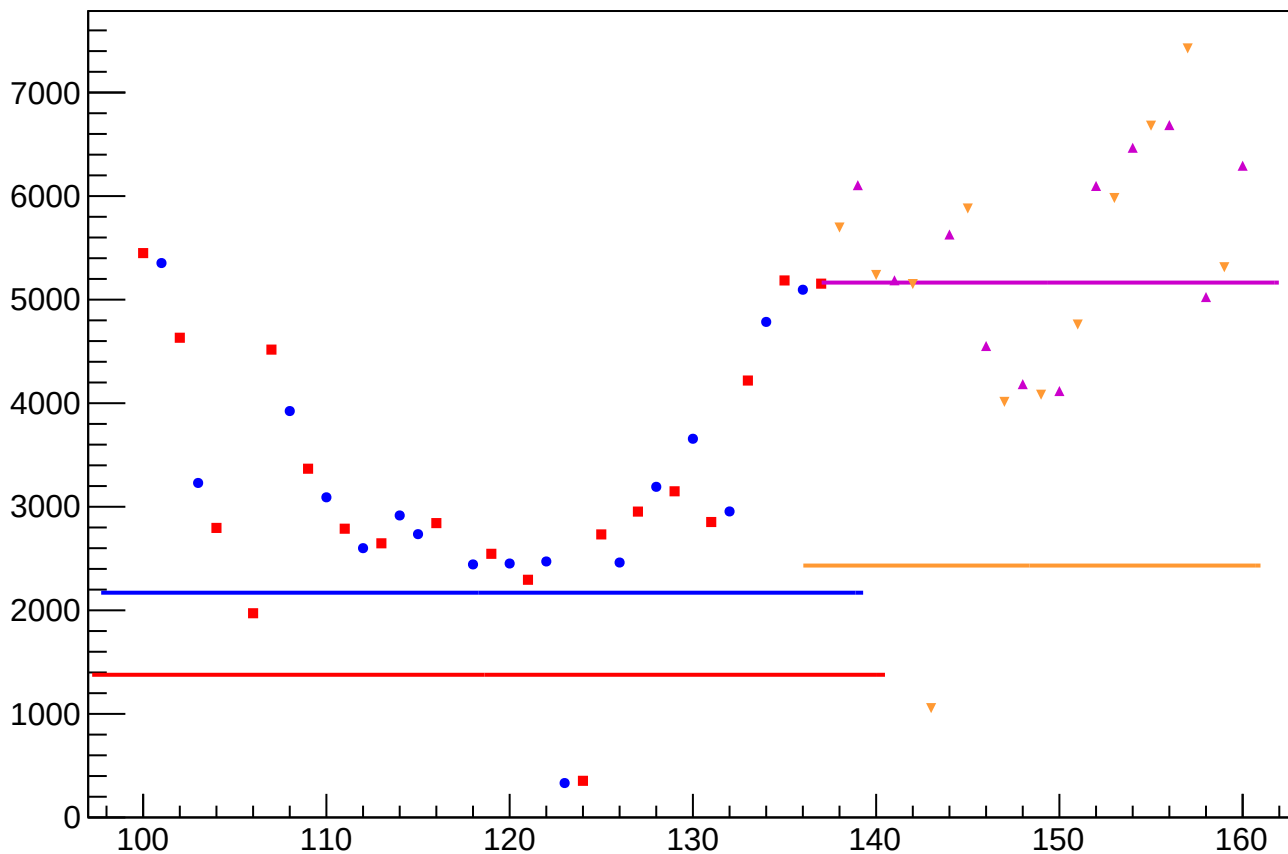
Left In: 2154.708 ± 1752.023 χ^2/NDF : 6.2/10

-1056.306 ± 729.526 χ^2/NDF : 38.4/28

-168.164 ± 493.471 χ^2/NDF : 70.3/58

580.982 ± 670.013 χ^2/NDF : 29.1/29

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 2432.380 $\pm$ 0.747 χ^2 /NDF: 7179101.7/11

Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

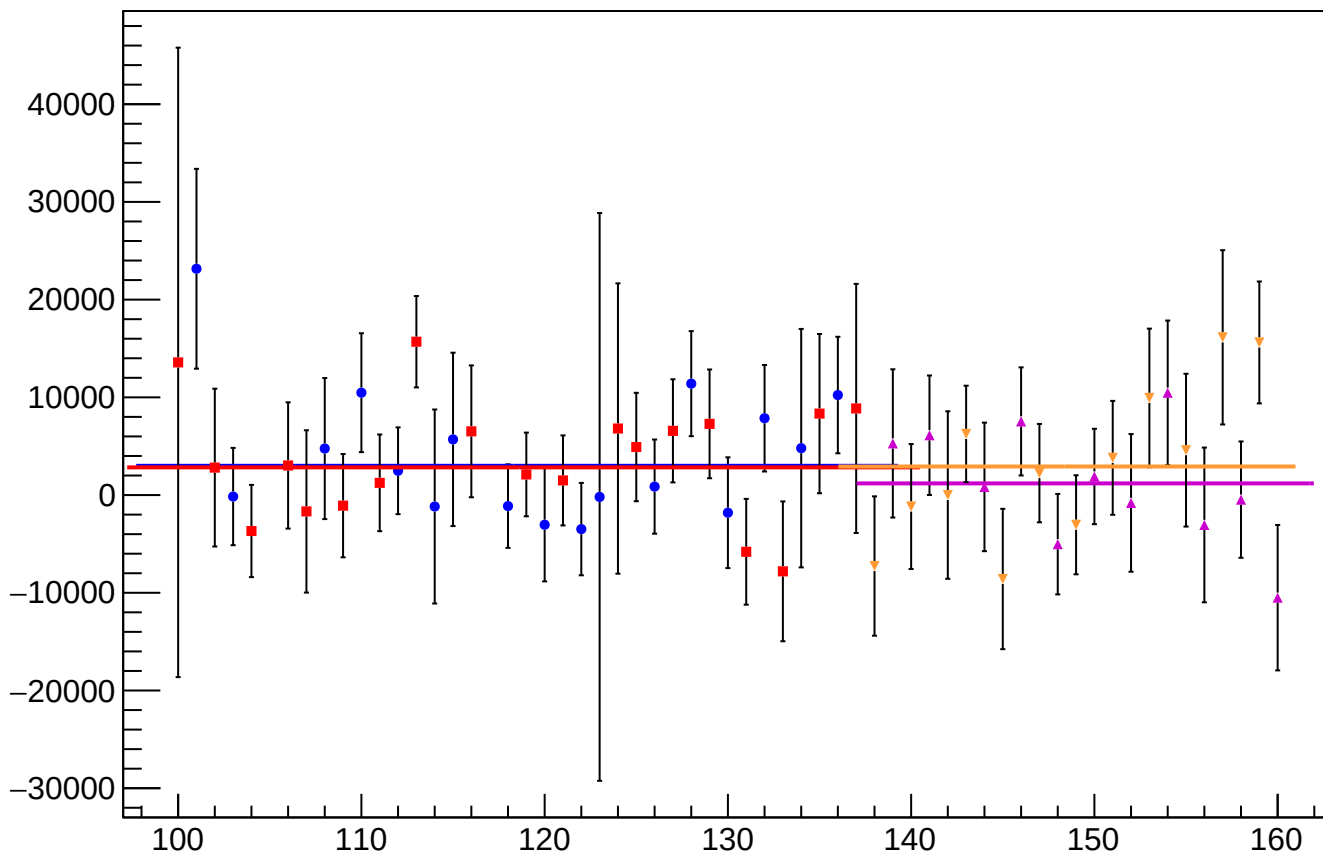
Left In: 5164.740 $\pm$ 1.239 χ^2 /NDF: 514899.1/10

2295.216 $\pm$ 0.516 χ^2 /NDF: 11217245.7/28

2097.950 $\pm$ 0.349 χ^2 /NDF: 26826742.1/5

1931.556 $\pm$ 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: 2922.658 $\pm$ 1824.072 χ^2 /NDF: 14.4/11

Right Out: 2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

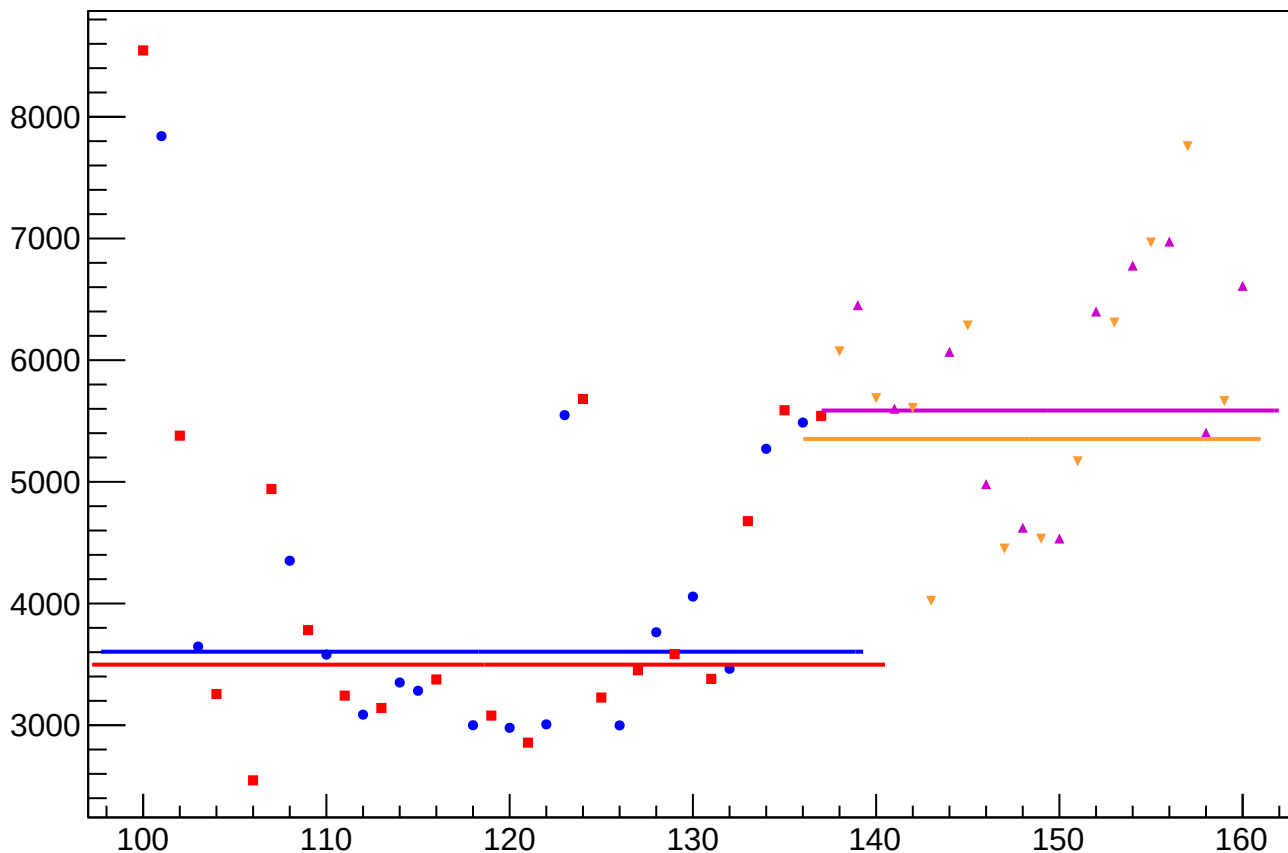
Left In: 1195.421 $\pm$ 1888.417 χ^2 /NDF: 8.2/10

2965.708 $\pm$ 1133.725 χ^2 /NDF: 30.1/28

2608.444 $\pm$ 794.501 χ^2 /NDF: 56.7/58

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: 5352.304 +/- 1.290 χ^2/NDF : 597450.1/11

Right Out: 3497.586 +/- 0.962 χ^2/NDF : 661898.6/18

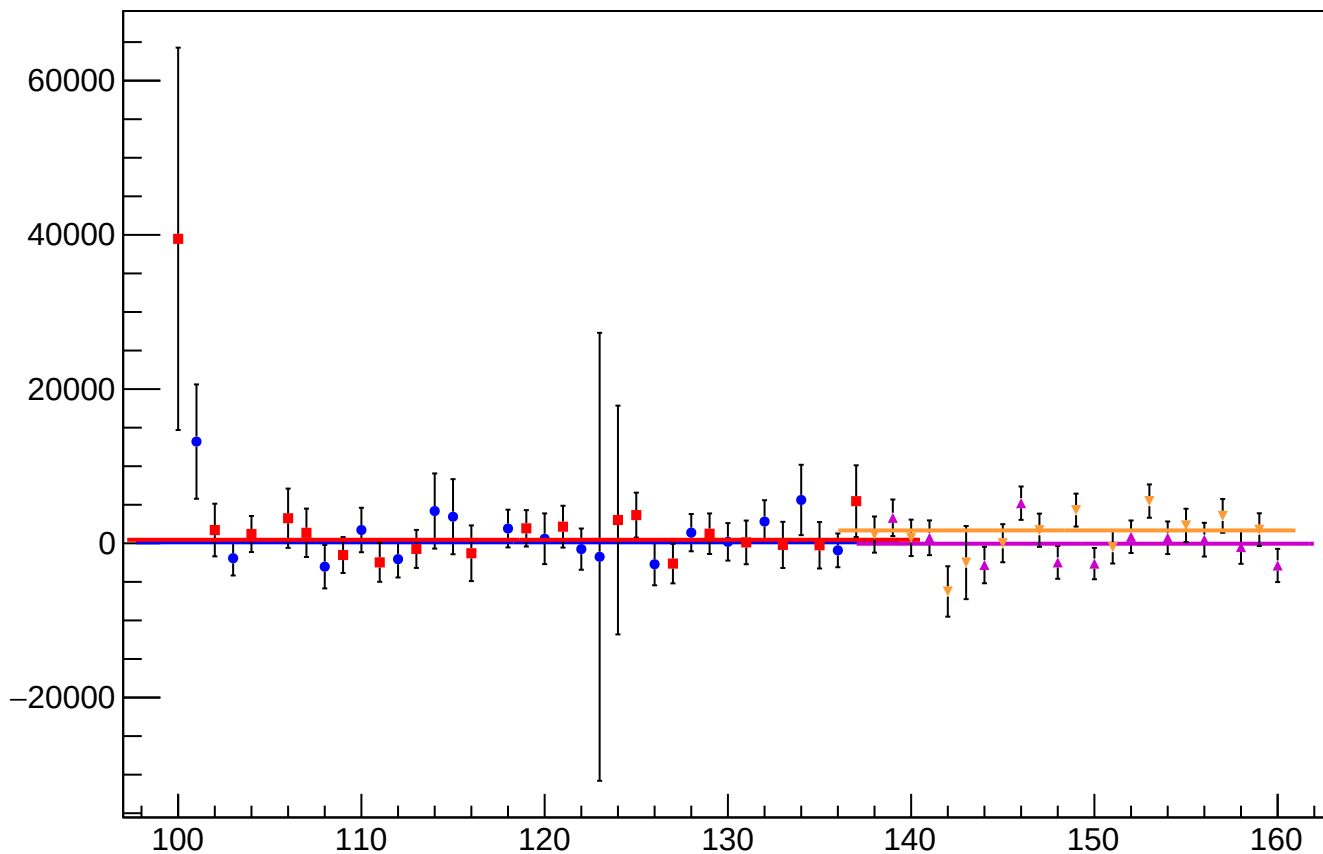
Left In: 5586.259 +/- 1.335 χ^2/NDF : 403749.7/10

4279.332 +/- 0.802 χ^2/NDF : 2509760.6/28

4244.183 +/- 0.559 χ^2/NDF : 5190270.8/58

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: 1673.725 $\pm$ 677.676 χ^2 /NDF:13.8/11

Right Out: 459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

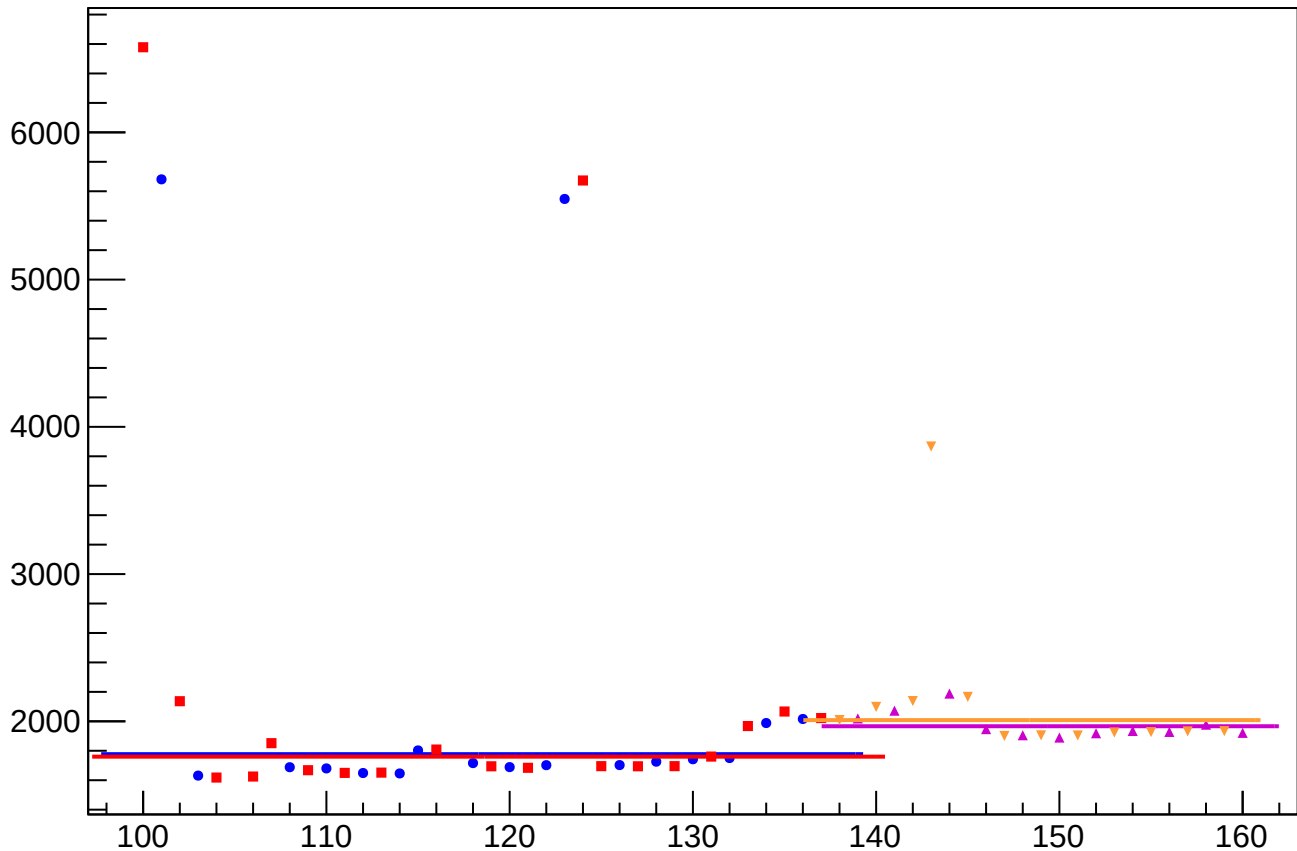
Left In: -49.136 $\pm$ 657.441 χ^2 /NDF:14.4/10

937.377 $\pm$ 489.957 χ^2 /NDF: 28.4/28

553.692 $\pm$ 340.400 χ^2 /NDF: 55.0/58

195.694 $\pm$ 473.272 χ^2 /NDF: 25.4/29

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879 $\pm$ 0.501 χ^2 /NDF: 643576.8/16

Left Out: 2008.054 $\pm$ 0.479 χ^2 /NDF: 346256.5/11

Right Out: 1759.990 $\pm$ 0.479 χ^2 /NDF: 306154.6/18

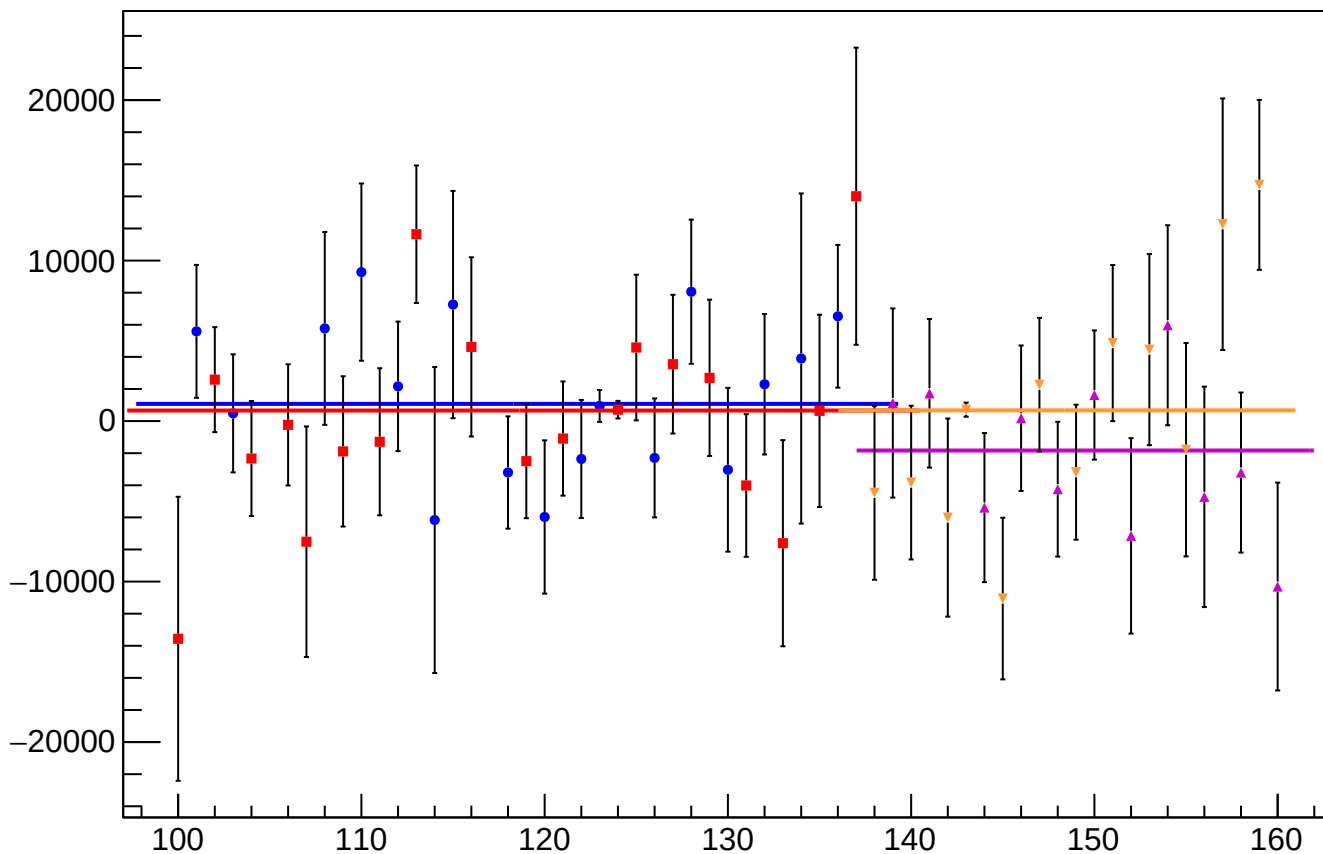
Left In: 1966.596 $\pm$ 0.465 χ^2 /NDF: 30609.9/10

1897.719 $\pm$ 0.346 χ^2 /NDF: 1100914.0/28

1881.441 $\pm$ 0.240 χ^2 /NDF: 1537766.4/58

1866.352 $\pm$ 0.334 χ^2 /NDF: 432598.2/29

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194 ± 752.280 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 670.339 ± 422.815 $\chi^2/\text{NDF}: 19.9/11$

Right Out: 658.759 ± 488.034 $\chi^2/\text{NDF}: 19.8/18$

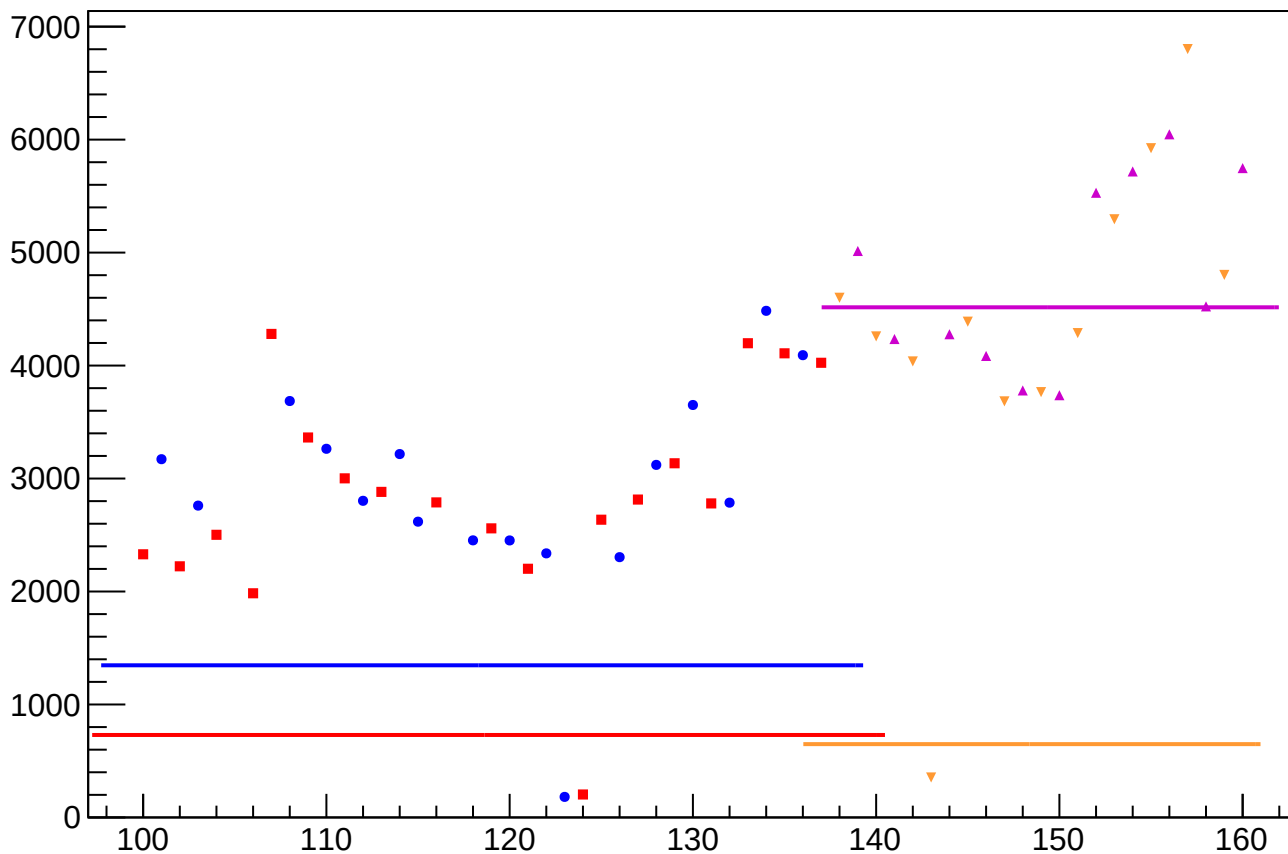
Left In: -1832.017 ± 1530.351 $\chi^2/\text{NDF}: 7.0/10$

766.808 ± 368.587 $\chi^2/\text{NDF}: 35.7/28$

636.382 ± 288.840 $\chi^2/\text{NDF}: 65.2/58$

428.832 ± 464.963 $\chi^2/\text{NDF}: 29.2/29$

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 649.060 $\pm$ 0.299 χ^2 /NDF:13028091.9/11

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

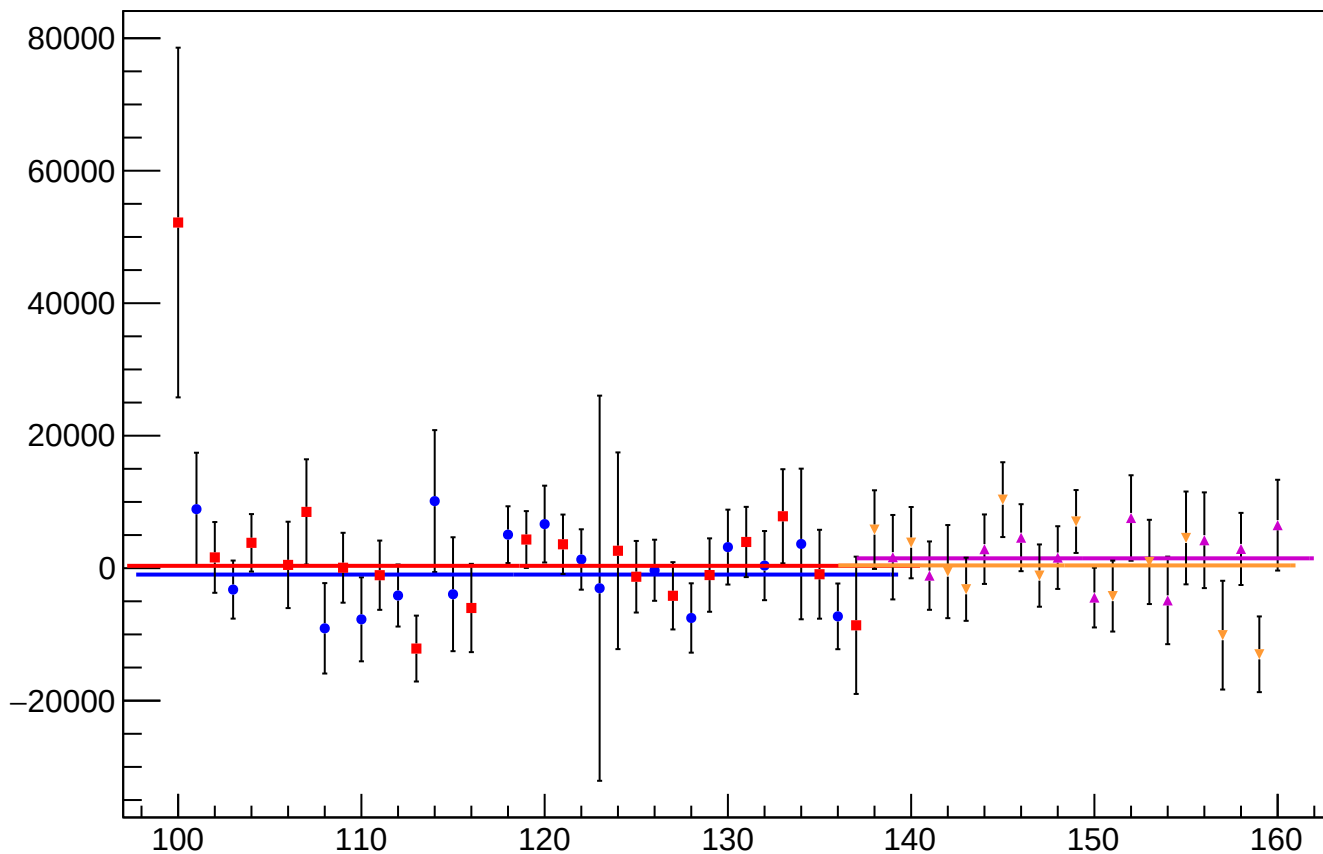
Left In: 4515.691 $\pm$ 1.082 χ^2 /NDF:482991.4/10

816.569 $\pm$ 0.261 χ^2 /NDF: 21174825.4/28

918.062 $\pm$ 0.204 χ^2 /NDF: 42662200.4/58

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: 416.213+/-1636.124 χ^2/NDF : 15.2/11

Right Out: 354.646+/-1329.760 χ^2/NDF : 17.6/18

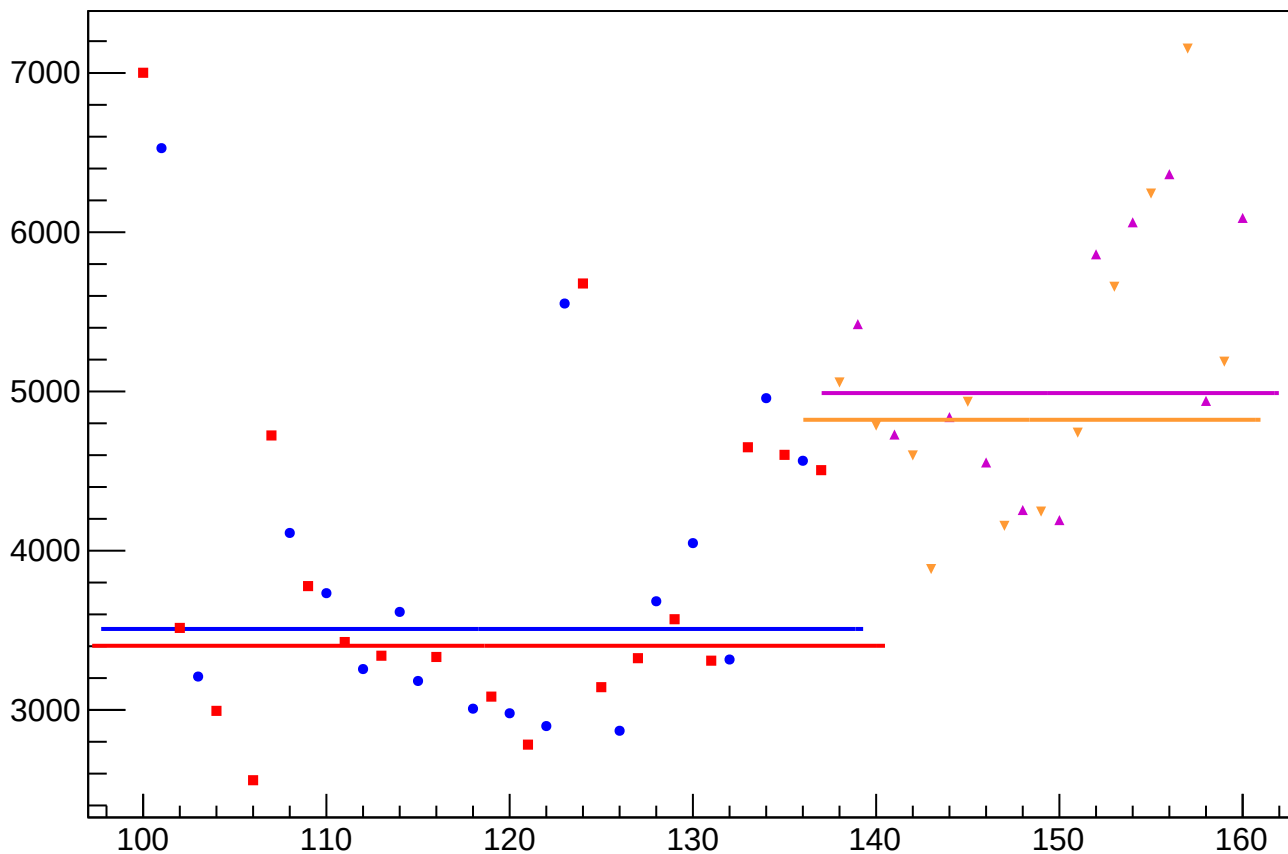
Left In: 1487.075+/-1684.219 χ^2/NDF : 5.0/10

-382.784+/-1061.805 χ^2/NDF : 29.4/28

213.453+/-744.315 χ^2/NDF : 52.9/58

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: 4822.151 $\pm$ 1.157 χ^2 /NDF: 439692.2/11

Right Out: 3402.883 $\pm$ 0.928 χ^2 /NDF: 428556.1/18

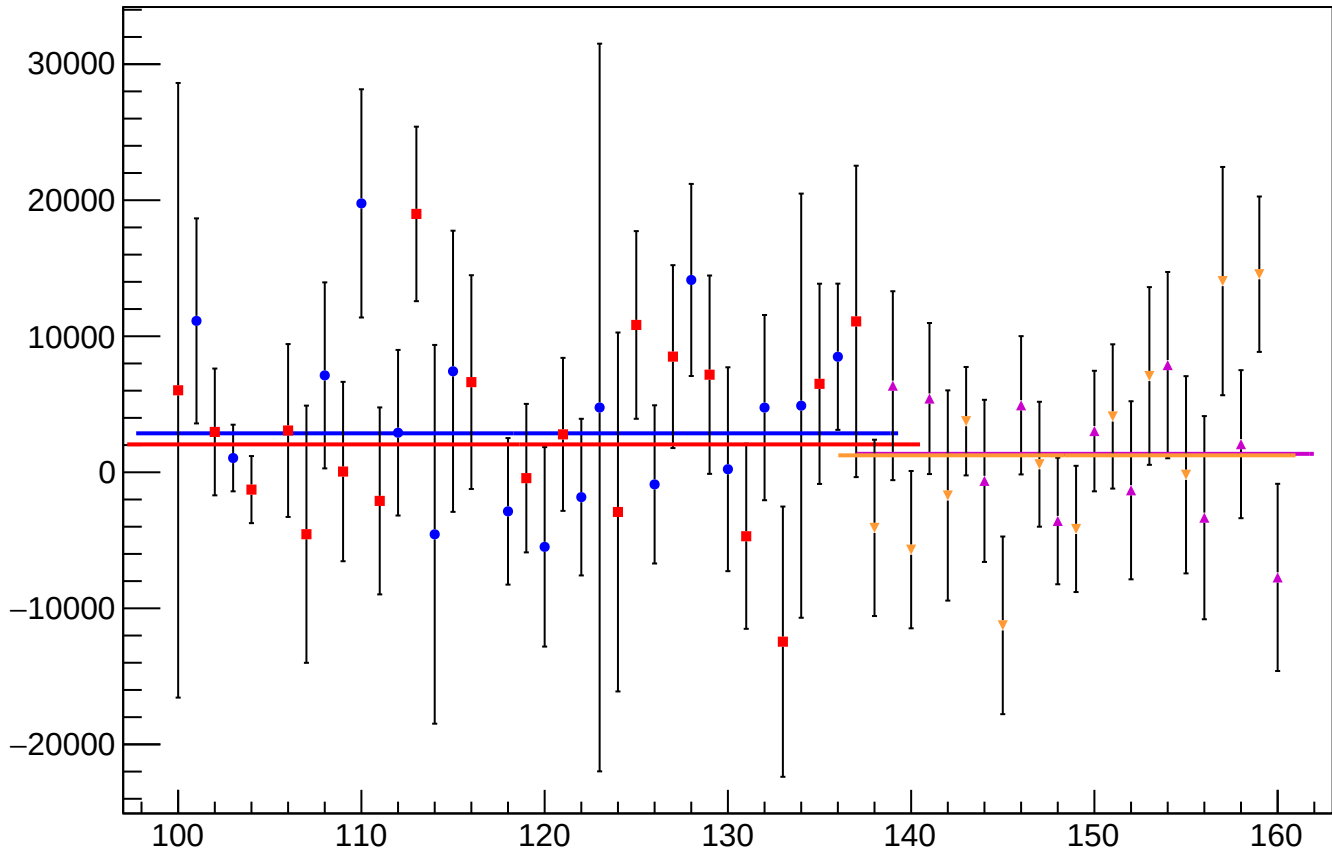
Left In: 4989.875 $\pm$ 1.191 χ^2 /NDF: 354758.2/10

4061.757 $\pm$ 0.751 χ^2 /NDF: 1748205.5/28

4031.398 $\pm$ 0.524 χ^2 /NDF: 3639484.5/58

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: 1246.521+/-1635.866 χ^2/NDF : 16.6/11

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

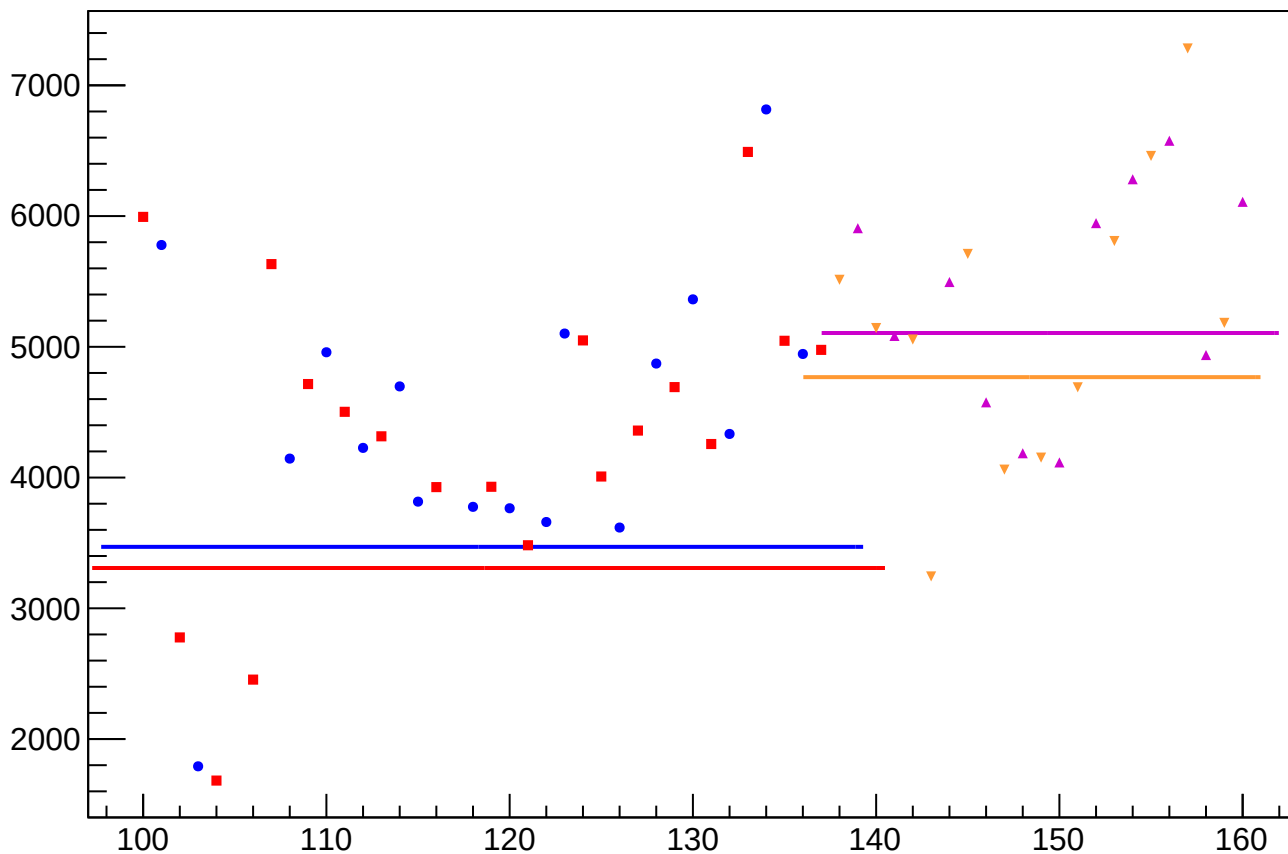
Left In: 1356.464+/-1728.485 χ^2/NDF : 6.2/10

2151.302+/-1086.206 χ^2/NDF : 31.2/28

1964.641+/-765.574 χ^2/NDF : 55.2/58

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: 4768.058 $\pm$ 1.157 χ^2 /NDF: 804971.4/11

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

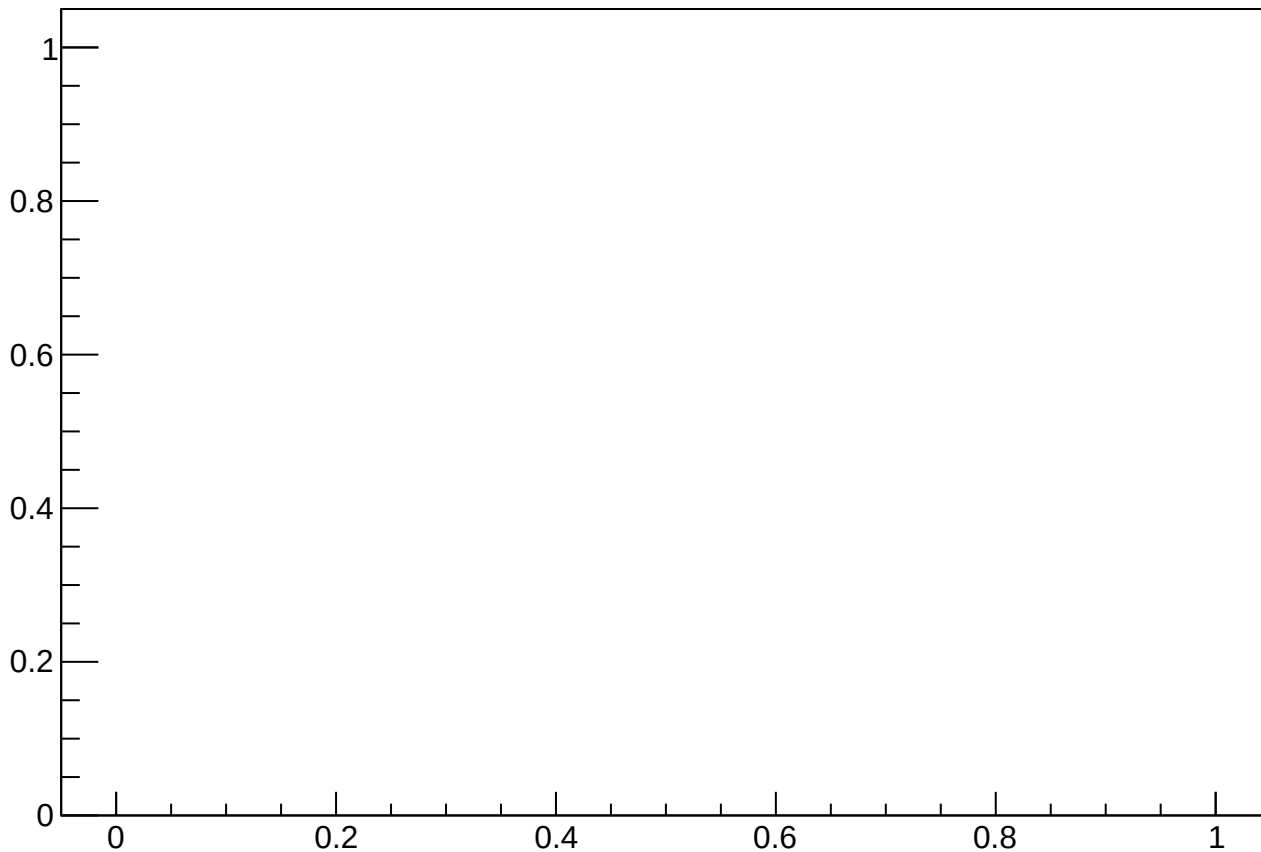
Left In: 5105.691 $\pm$ 1.222 χ^2 /NDF: 449006.6/10

4042.307 $\pm$ 0.768 χ^2 /NDF: 3269879.7/28

4021.457 $\pm$ 0.540 χ^2 /NDF: 6960216.2/58

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

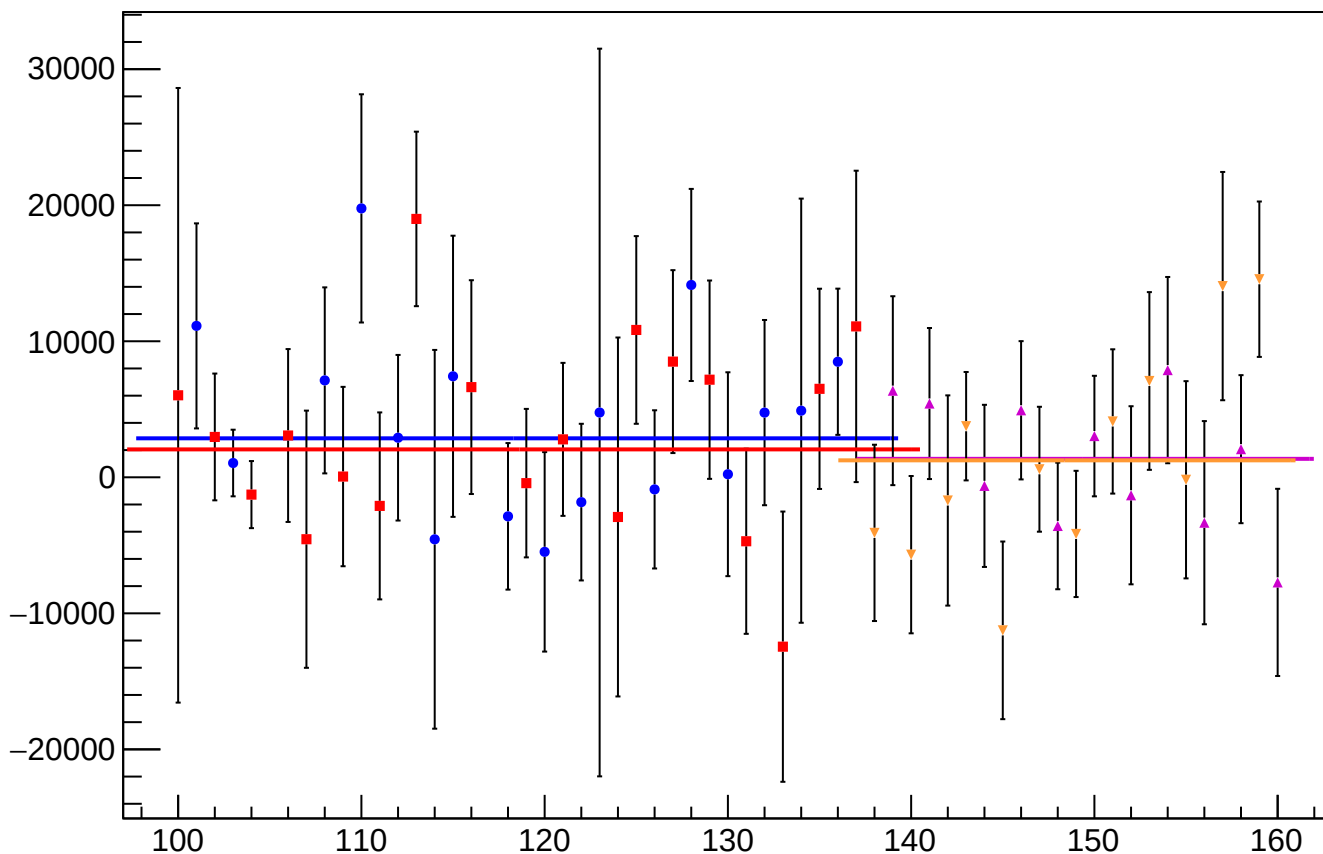
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 1246.521+/-1635.866 χ^2/NDF : 16.6/11

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

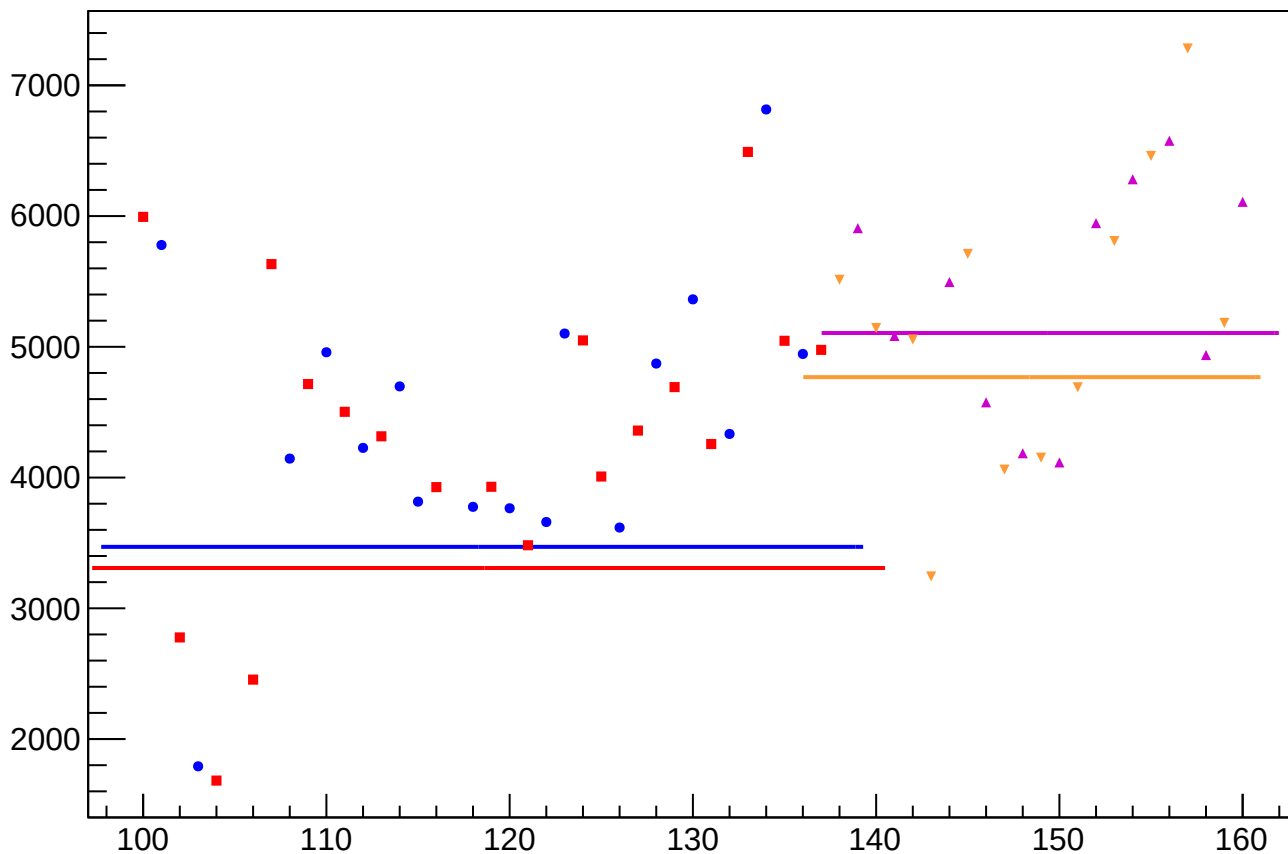
Left In: 1356.464+/-1728.485 χ^2/NDF : 6.2/10

2151.302+/-1086.206 χ^2/NDF : 31.2/28

1964.641+/-765.574 χ^2/NDF : 55.2/58

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: 4768.058+/-1.157 χ^2/NDF : 804971.4/11

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

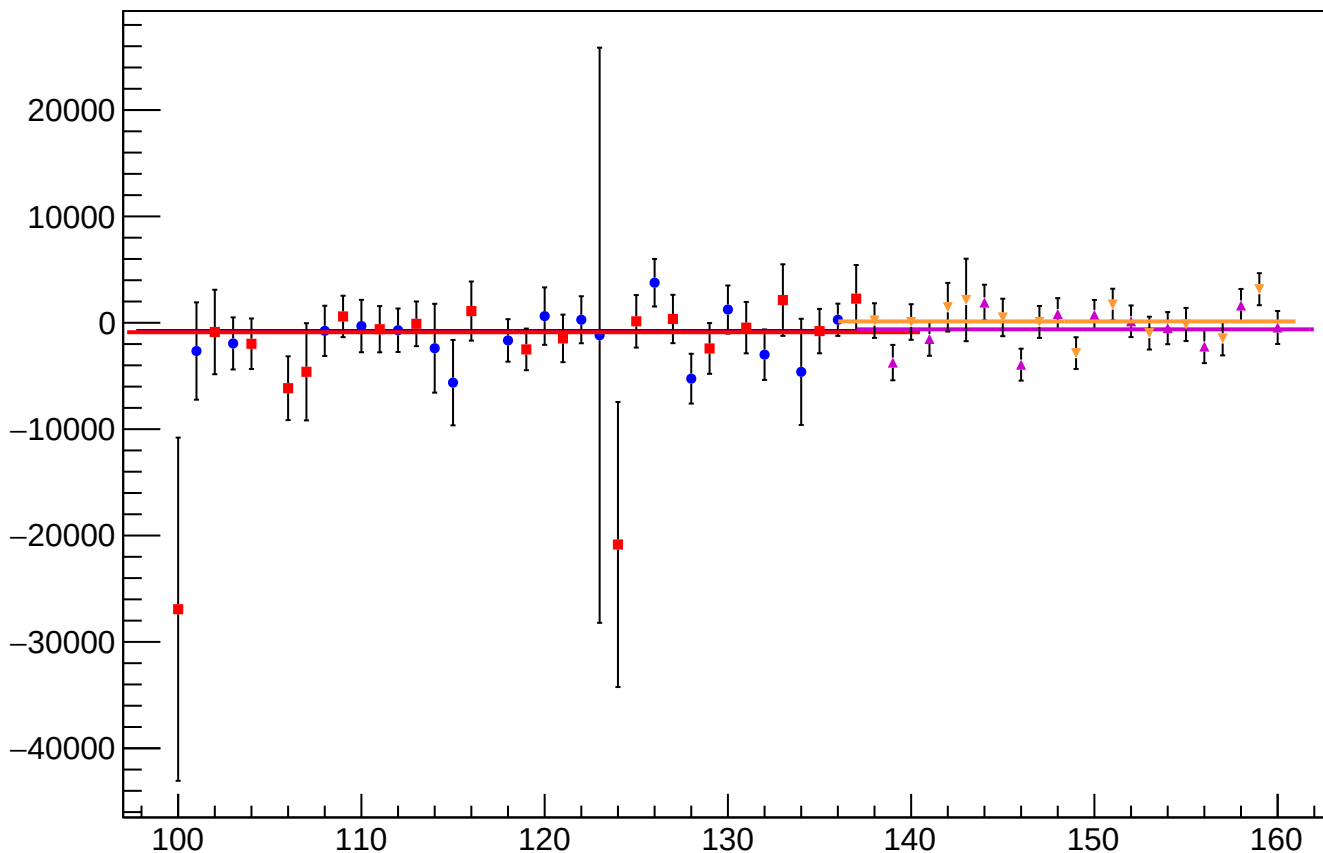
Left In: 5105.691+/-1.222 χ^2/NDF : 449006.6/10

4042.307+/-0.768 χ^2/NDF : 3269879.7/28

4021.457+/-0.540 χ^2/NDF : 6960216.2/58

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: 129.282+/-480.716 χ^2/NDF : 11.4/11

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

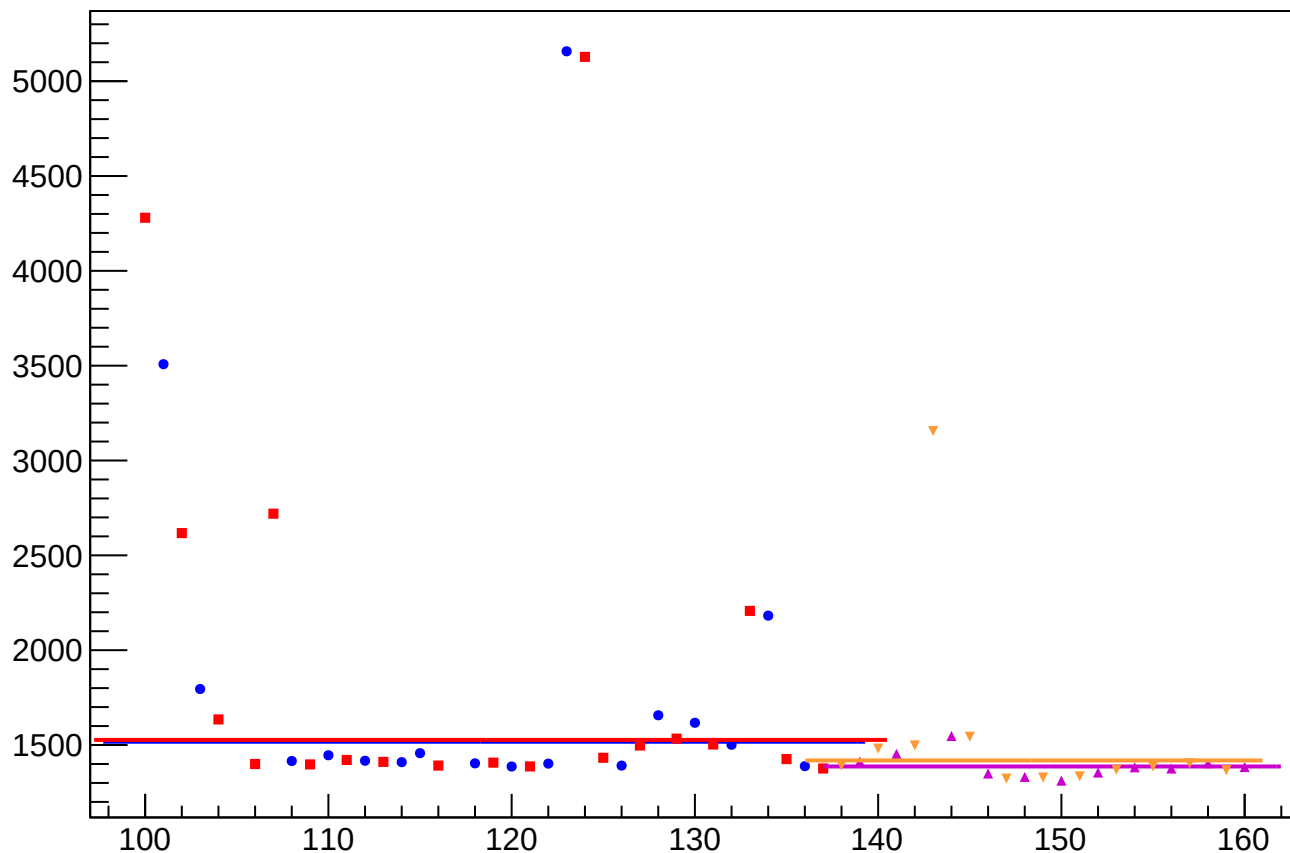
Left In: -616.521+/-464.108 χ^2/NDF : 16.3/10

-220.121+/-376.054 χ^2/NDF : 26.0/28

-475.895+/-262.269 χ^2/NDF : 56.8/58

-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 χ^2/NDF : 536662.7/16

Left Out: 1418.722+/-0.340 χ^2/NDF : 444325.5/11

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1386.847+/-0.328 χ^2/NDF : 33290.8/10

1456.987+/-0.266 χ^2/NDF : 1013646.3/28

1448.191+/-0.185 χ^2/NDF : 1749742.4/58

1439.860+/-0.259 χ^2/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

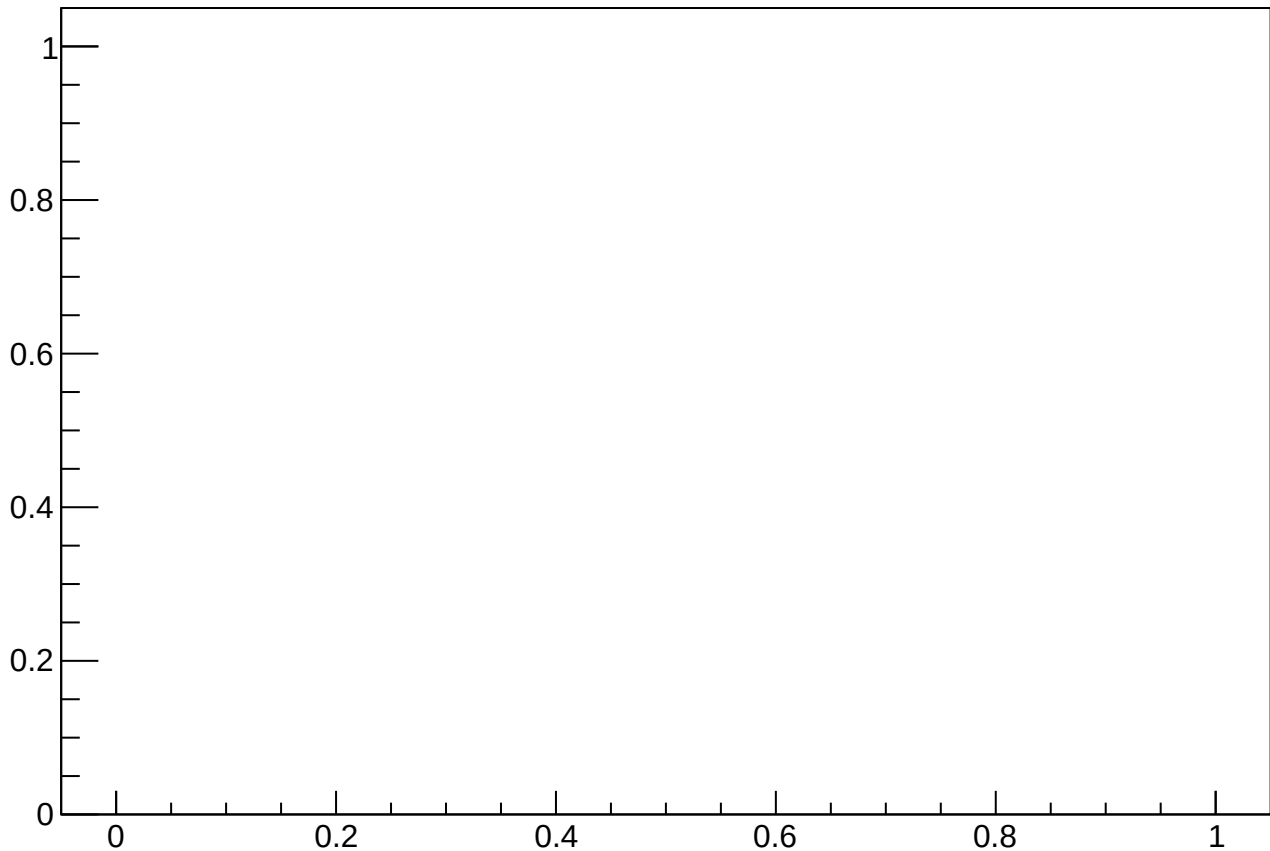
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

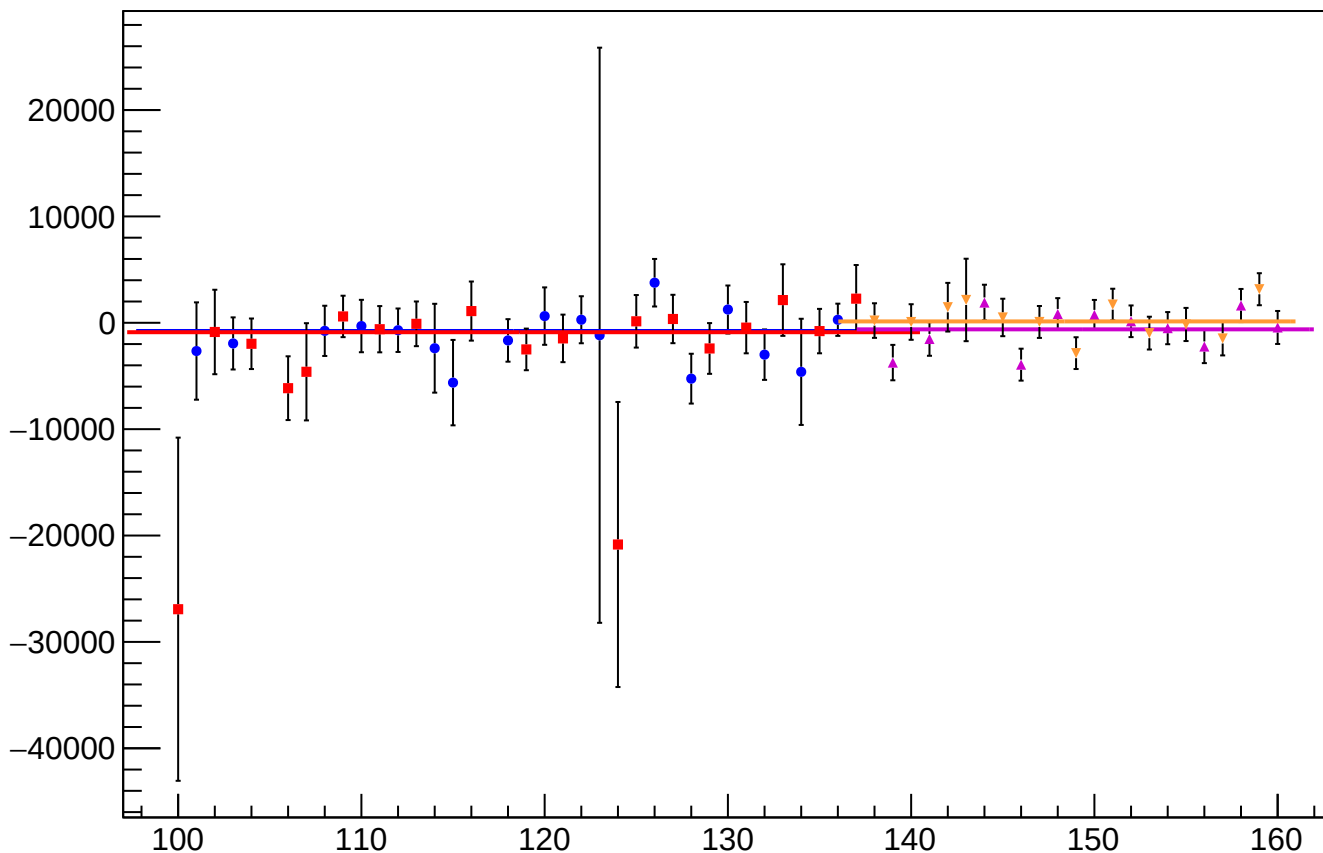
asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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: 129.282+/-480.716 χ^2/NDF : 11.4/11

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

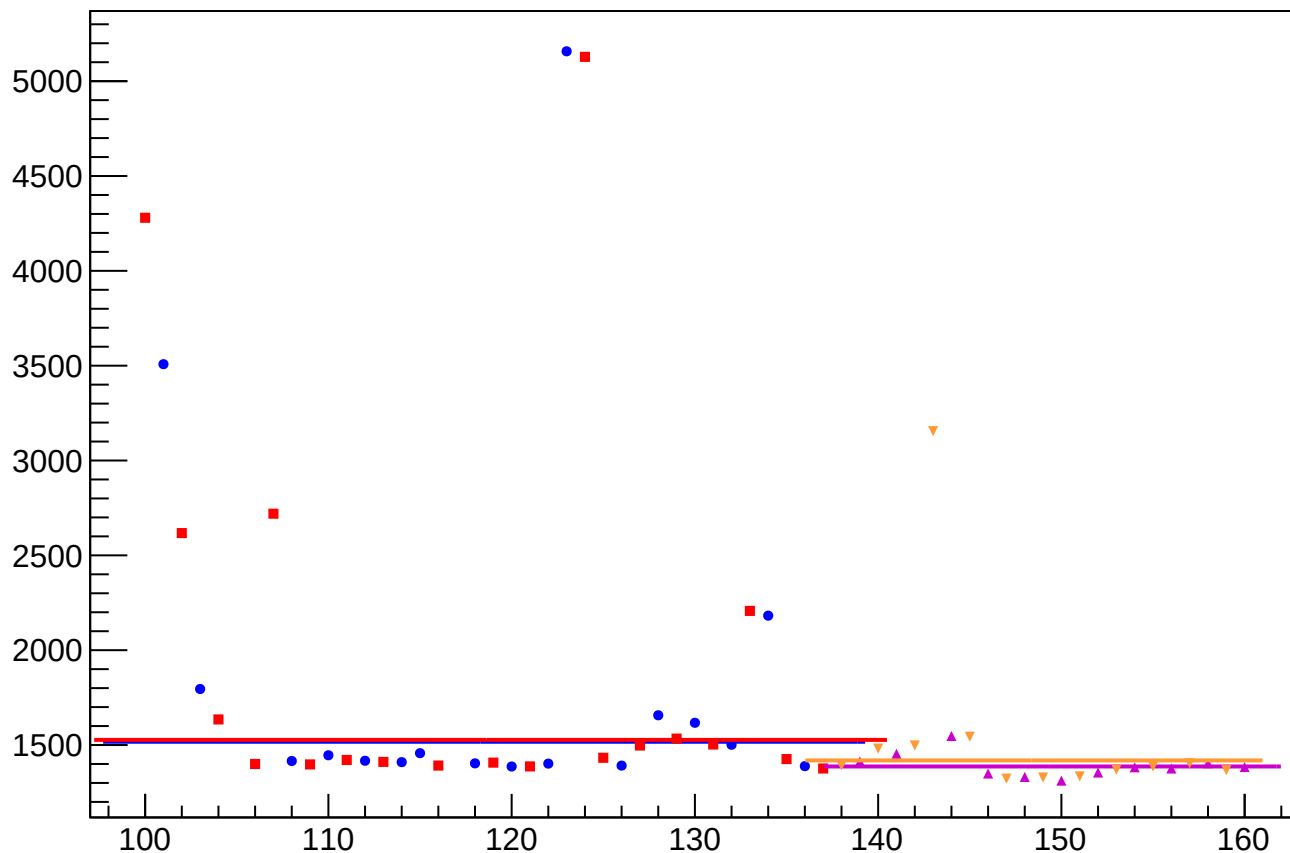
Left In: -616.521+/-464.108 χ^2/NDF : 16.3/10

-220.121+/-376.054 χ^2/NDF : 26.0/28

-475.895+/-262.269 χ^2/NDF : 56.8/58

-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: 1418.722 ± 0.340 χ^2/NDF : 444325.5/11

Right Out: 1527.005 ± 0.421 χ^2/NDF : 631684.2/18

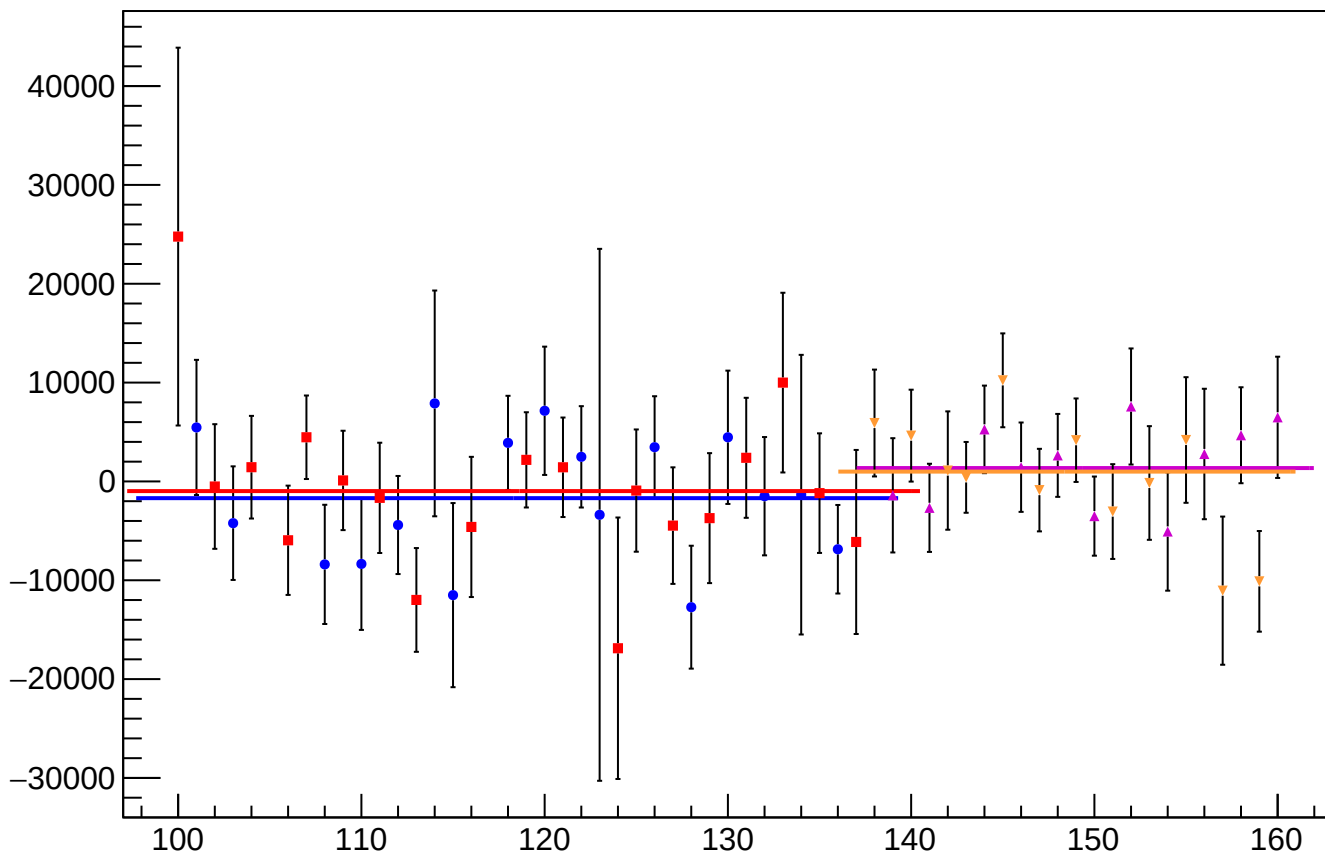
Left In: 1386.847 ± 0.328 χ^2/NDF : 33290.8/10

1456.987 ± 0.266 χ^2/NDF : 1013646.3/28

1448.191 ± 0.185 χ^2/NDF : 1749742.4/58

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 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 994.307 $\pm$ 1415.729 χ^2 /NDF: 14.4/11

Right Out: -977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

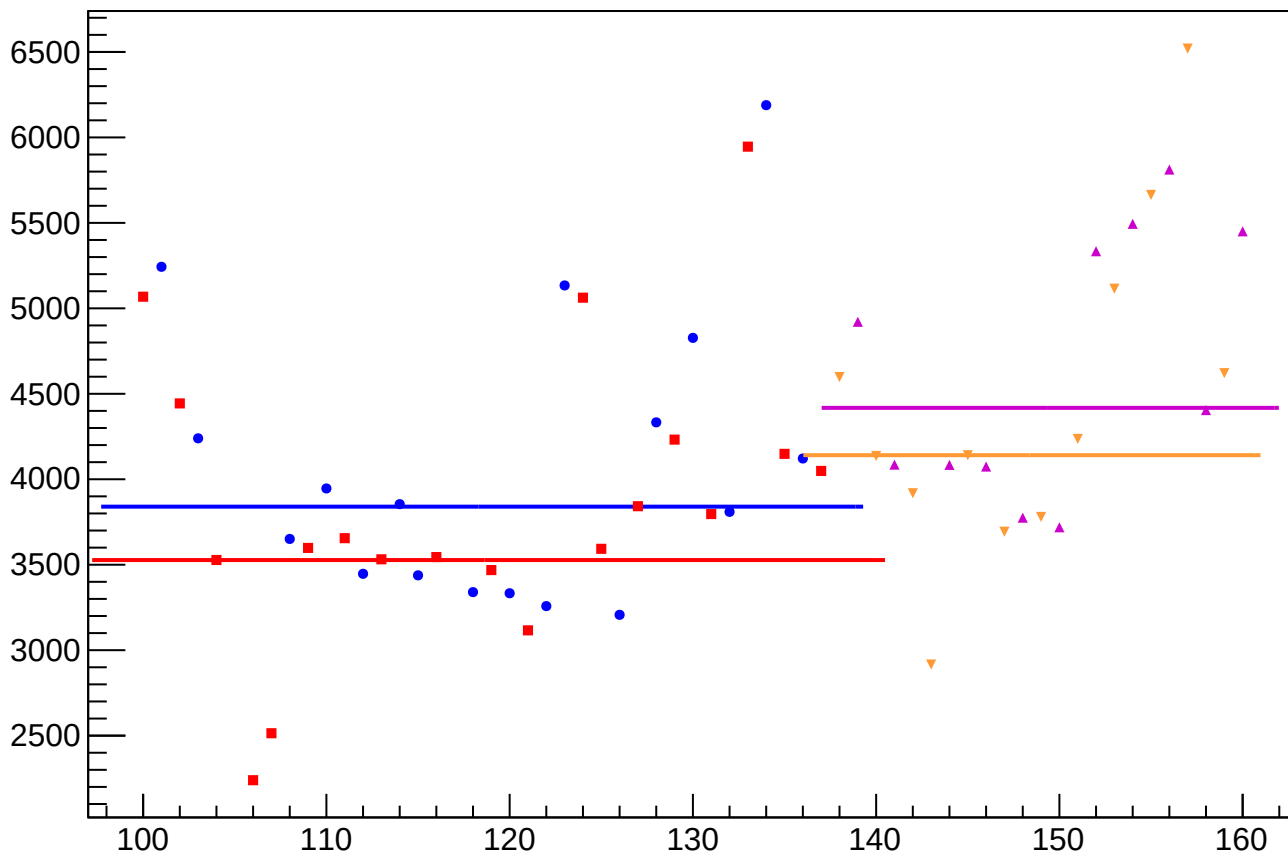
Left In: 1351.917 $\pm$ 1493.827 χ^2 /NDF: 6.9/10

-260.064 $\pm$ 1033.729 χ^2 /NDF: 31.9/28

-79.521 $\pm$ 723.595 χ^2 /NDF: 54.1/58

93.929 $\pm$ 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 $\chi^2/\text{NDF}: 325959.2/16$

Left Out: 4140.850 ± 1.001 $\chi^2/\text{NDF}: 680707.9/11$

Right Out: 3527.320 ± 0.966 $\chi^2/\text{NDF}: 554785.4/18$

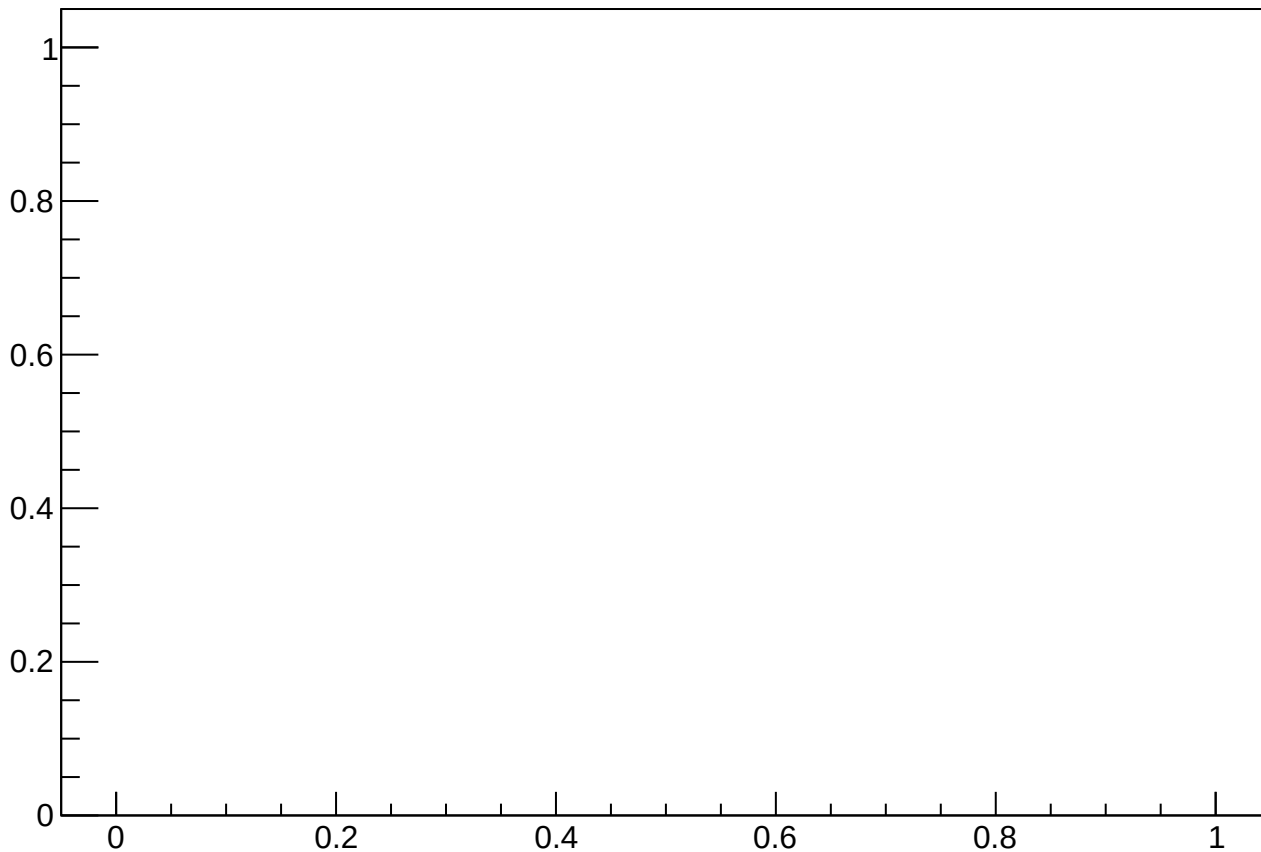
Left In: 4417.815 ± 1.056 $\chi^2/\text{NDF}: 416288.3/10$

4000.280 ± 0.731 $\chi^2/\text{NDF}: 1048902.2/28$

3965.776 ± 0.510 $\chi^2/\text{NDF}: 2411294.7/58$

3932.954 ± 0.713 $\chi^2/\text{NDF}: 1358044.7/29$

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

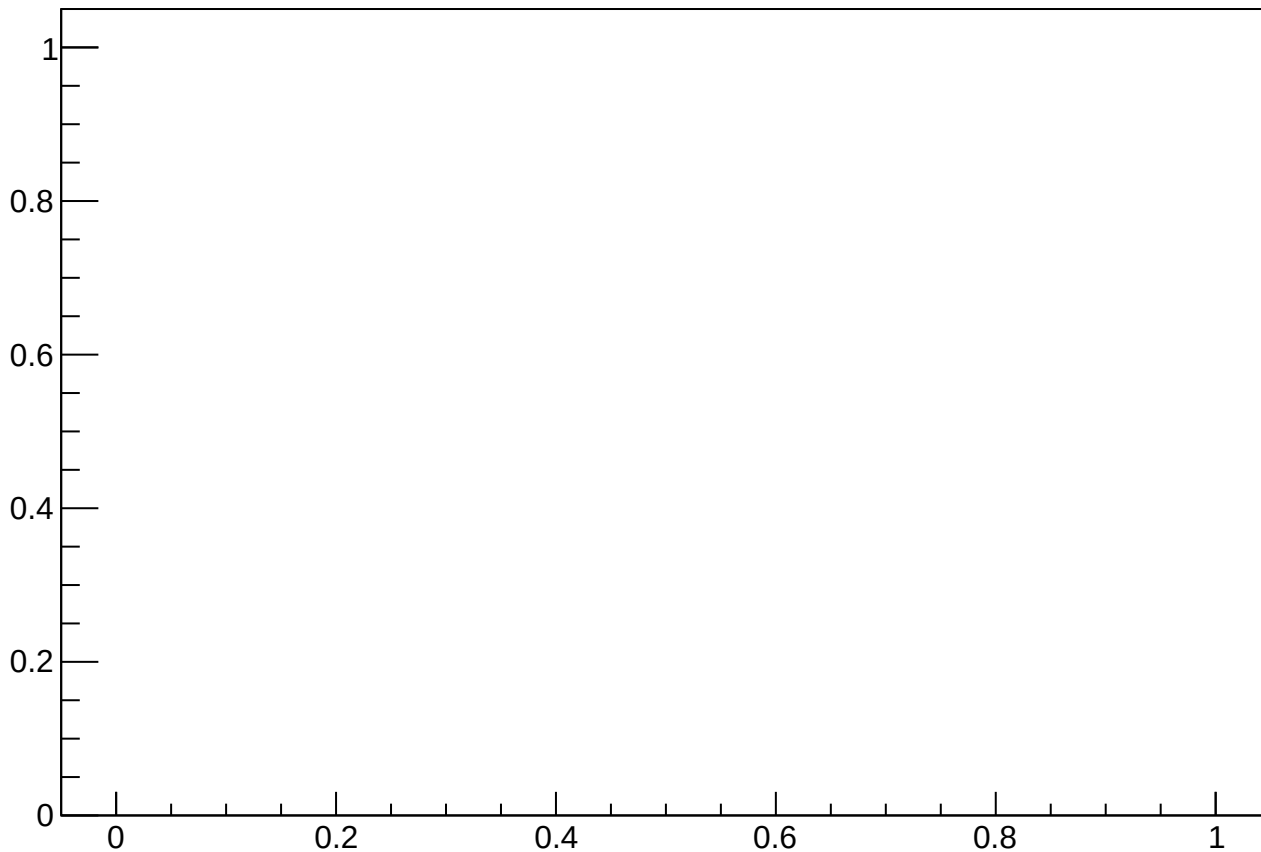
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

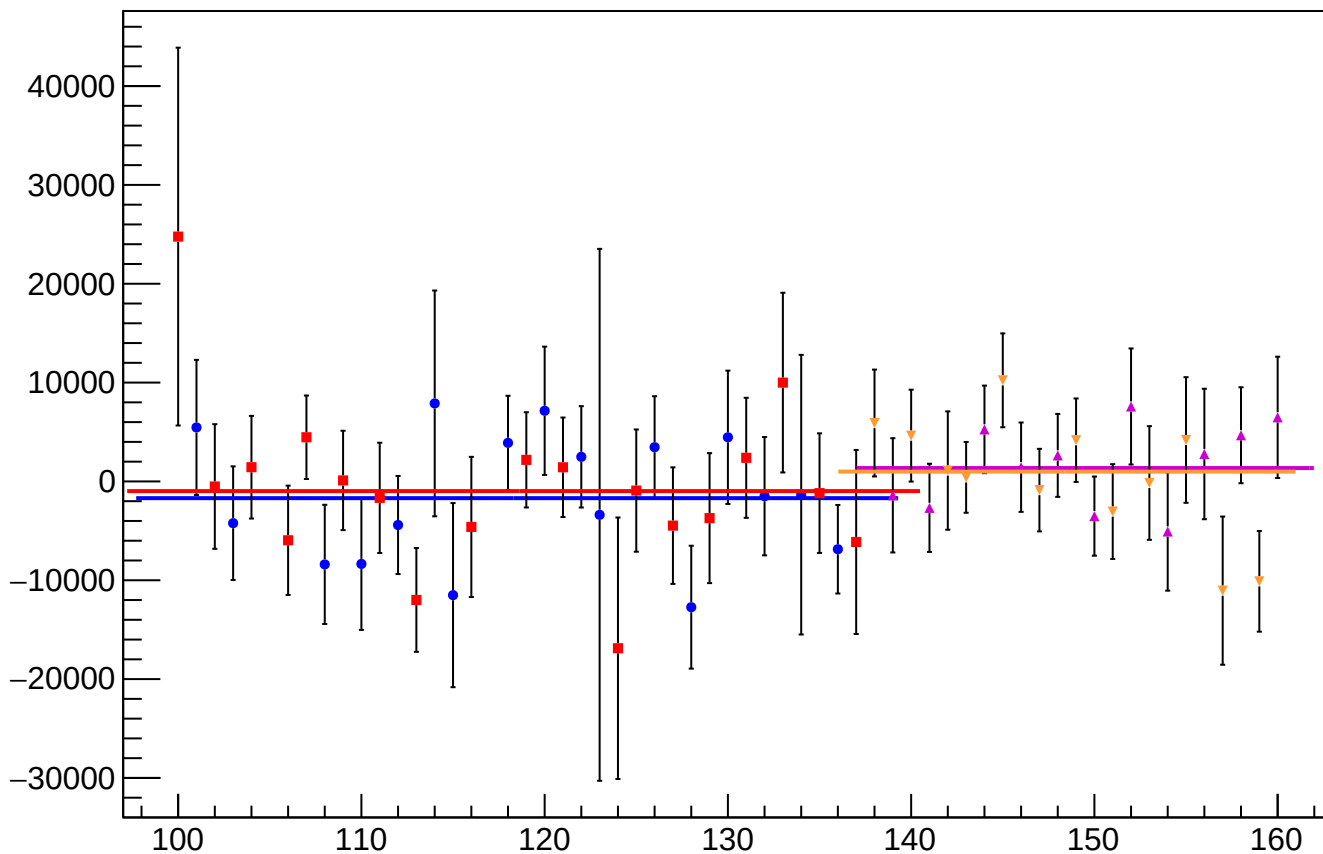
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 χ^2/NDF : 15.8/16

Left Out: 994.307 ± 1415.729 χ^2/NDF : 14.4/11

Right Out: -977.899 ± 1378.874 χ^2/NDF : 13.9/18

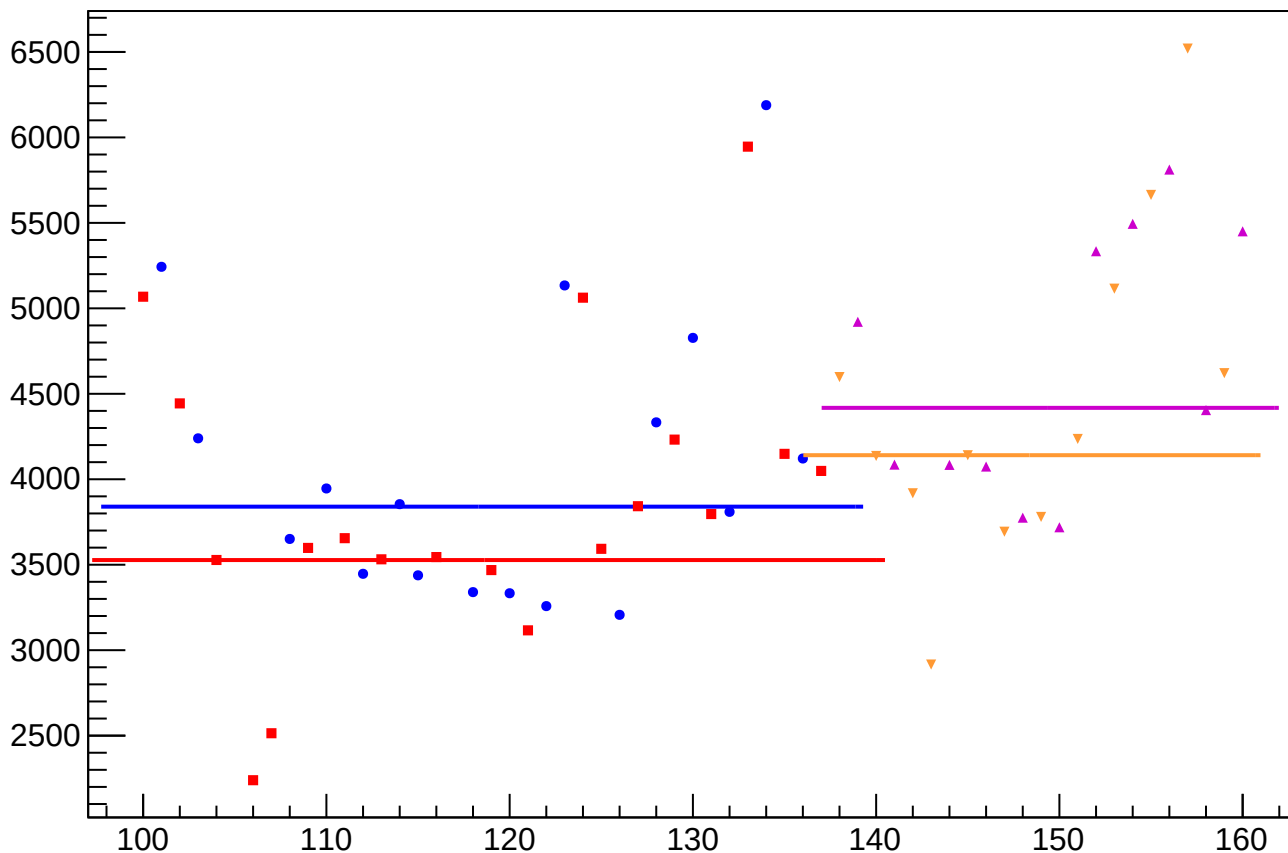
Left In: 1351.917 ± 1493.827 χ^2/NDF : 6.9/10

-260.064 ± 1033.729 χ^2/NDF : 31.9/28

-79.521 ± 723.595 χ^2/NDF : 54.1/58

93.929 ± 1013.216 χ^2/NDF : 22.1/29

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751 ± 1.070 $\chi^2/\text{NDF}: 325959.2/16$

Left Out: 4140.850 ± 1.001 $\chi^2/\text{NDF}: 680707.9/11$

Right Out: 3527.320 ± 0.966 $\chi^2/\text{NDF}: 554785.4/18$

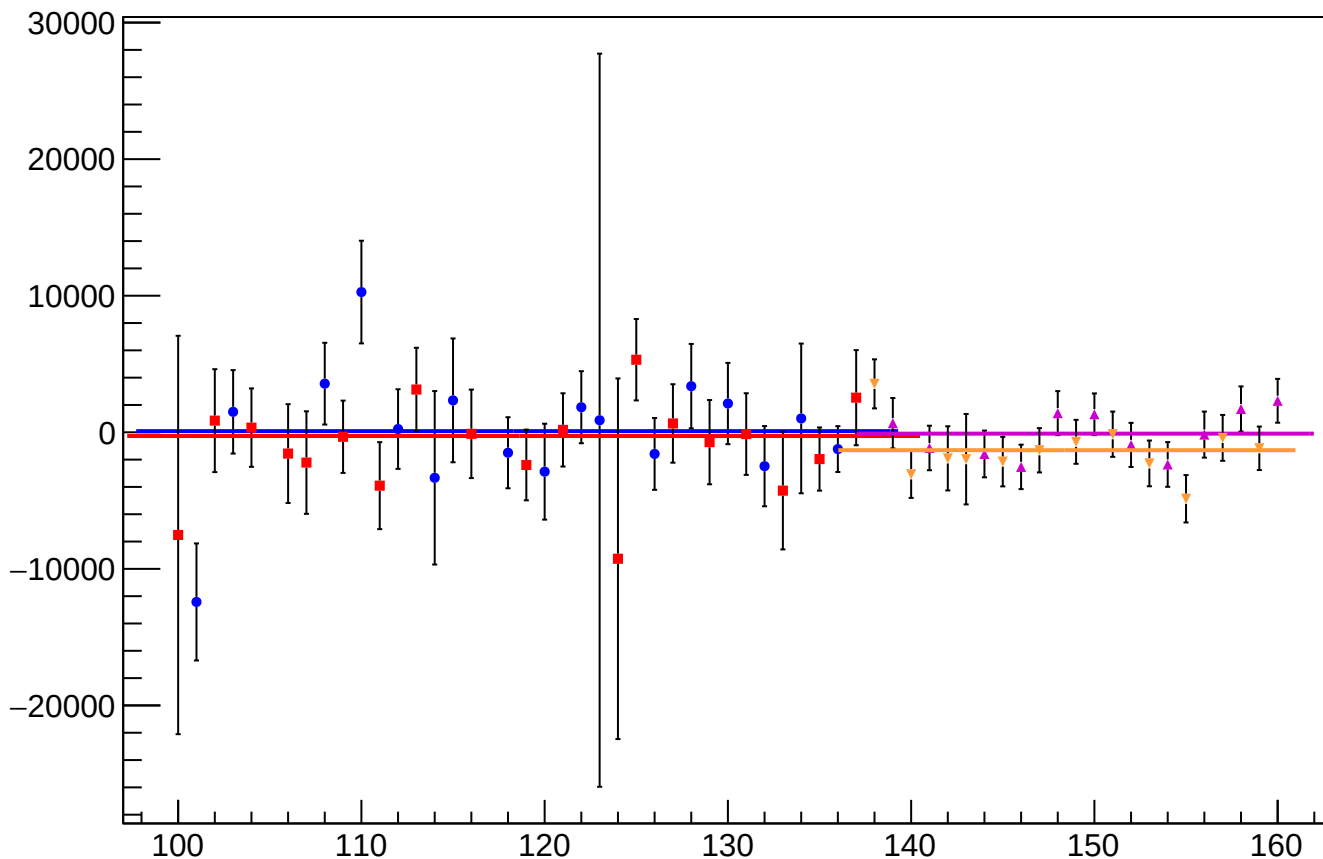
Left In: 4417.815 ± 1.056 $\chi^2/\text{NDF}: 416288.3/10$

4000.280 ± 0.731 $\chi^2/\text{NDF}: 1048902.2/28$

3965.776 ± 0.510 $\chi^2/\text{NDF}: 2411294.7/58$

3932.954 ± 0.713 $\chi^2/\text{NDF}: 1358044.7/29$

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: -1310.545+/-513.575 χ^2/NDF :14.2/11

Right Out: -272.707+/-734.115 χ^2/NDF : 10.2/18

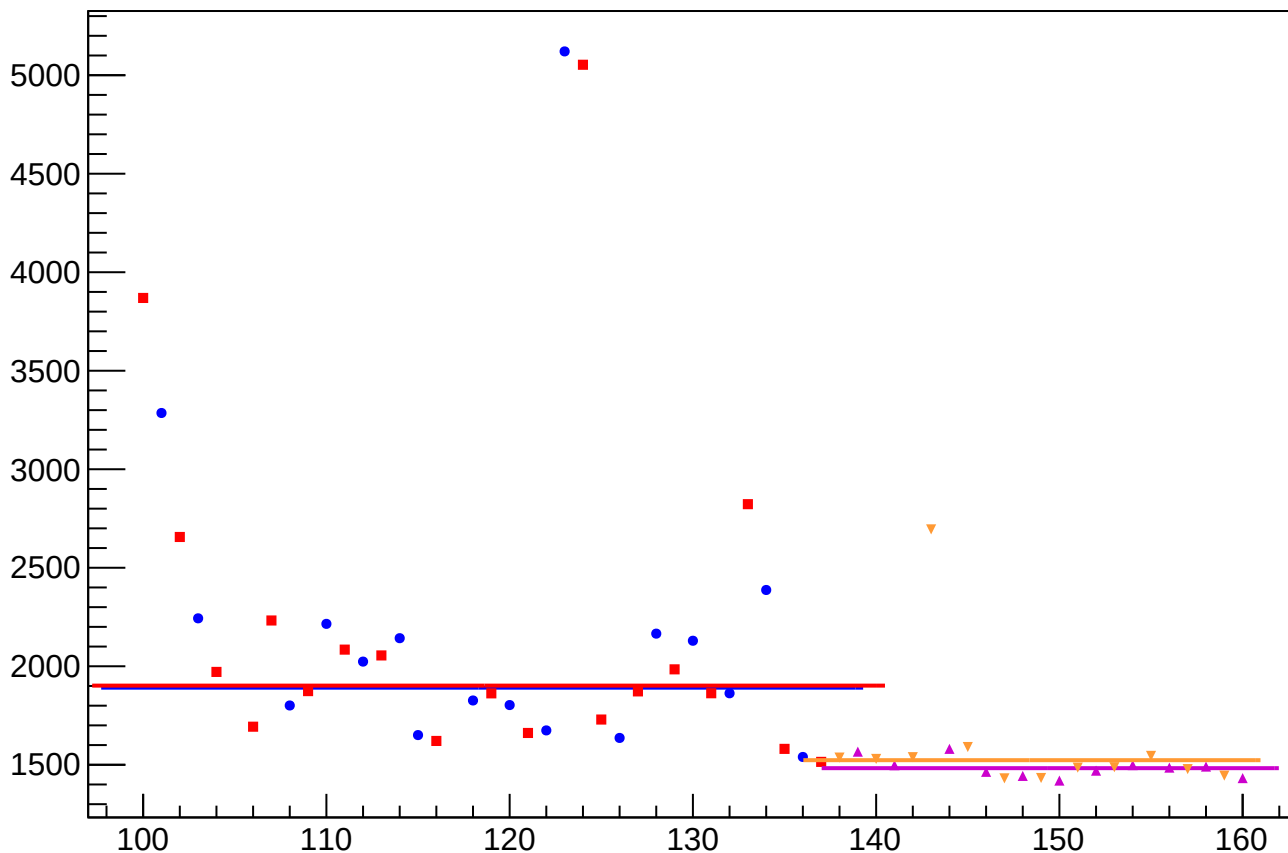
Left In: -98.361+/-495.875 χ^2/NDF :10.9/10

-865.866+/-423.846 χ^2/NDF : 39.4/28

-498.385+/-295.026 χ^2/NDF : 62.0/58

-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+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1523.347+/-0.363 χ^2/NDF : 274567.8/11

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

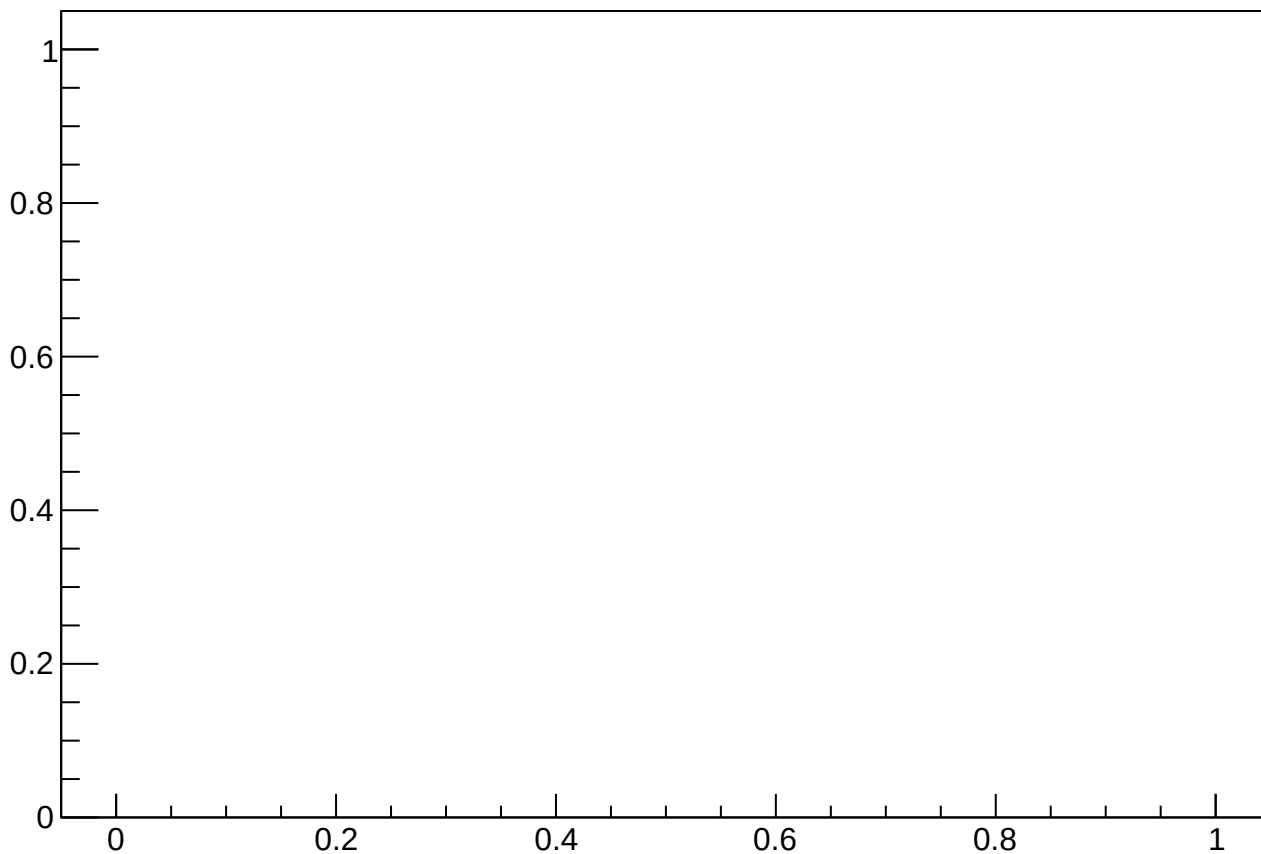
Left In: 1482.804+/-0.351 χ^2/NDF : 18056.6/10

1640.751+/-0.300 χ^2/NDF : 1066800.1/28

1627.003+/-0.209 χ^2/NDF : 1997014.4/58

1614.082+/-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

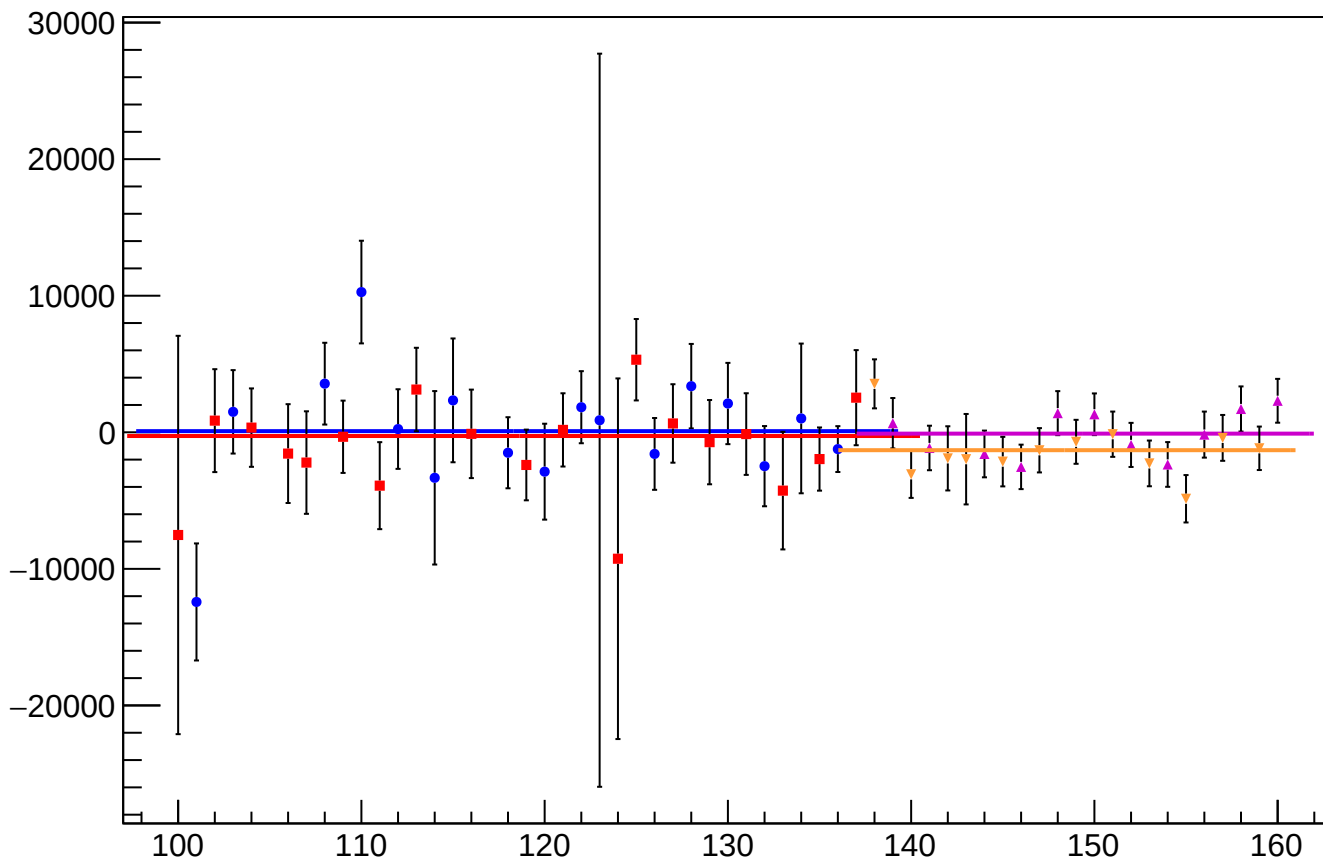
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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: -1310.545+/-513.575 χ^2/NDF :14.2/11

Right Out: -272.707+/-734.115 χ^2/NDF : 10.2/18

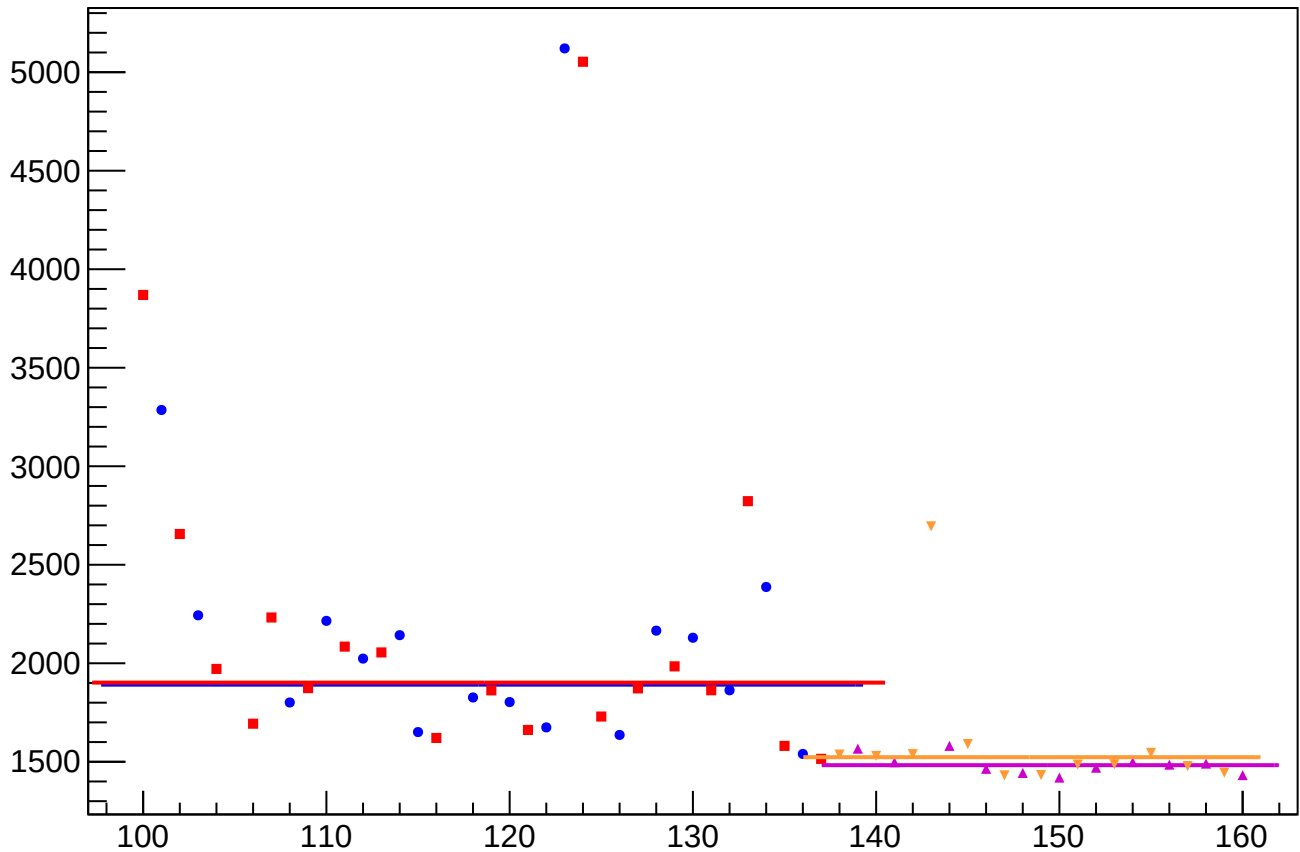
Left In: -98.361+/-495.875 χ^2/NDF :10.9/10

-865.866+/-423.846 χ^2/NDF : 39.4/28

-498.385+/-295.026 χ^2/NDF : 62.0/58

-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: 1523.347 +/- 0.363 χ^2/NDF : 274567.8/11

Right Out: 1901.797 +/- 0.519 χ^2/NDF : 460687.3/18

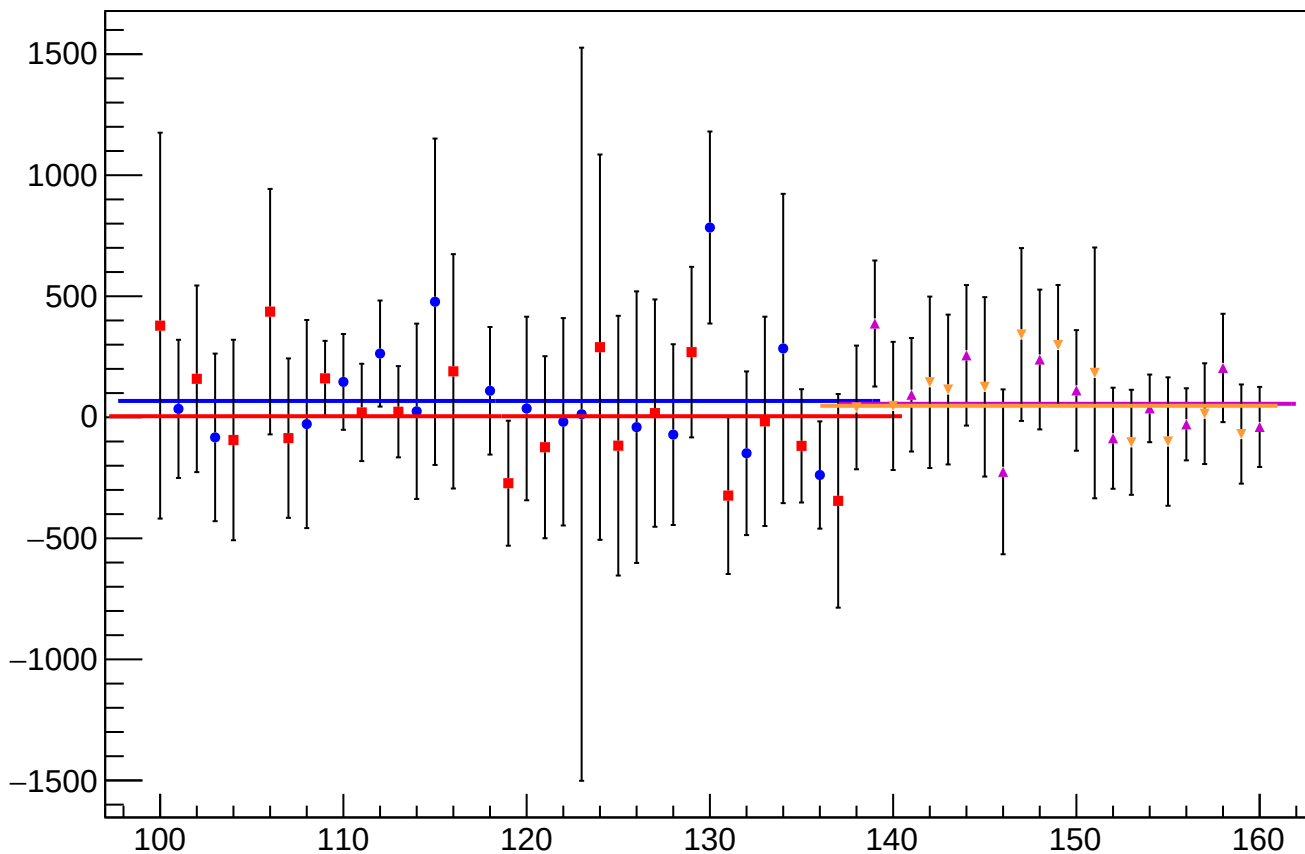
Left In: 1482.804 +/- 0.351 χ^2/NDF : 18056.6/10

1640.751 +/- 0.300 χ^2/NDF : 1066800.1/28

1627.003 +/- 0.209 χ^2/NDF : 1997014.4/58

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 ± 79.608 $\chi^2/\text{NDF}: 7.5/16$

Left Out: 47.457 ± 77.729 $\chi^2/\text{NDF}: 3.1/11$

Right Out: 4.423 ± 70.009 $\chi^2/\text{NDF}: 6.4/18$

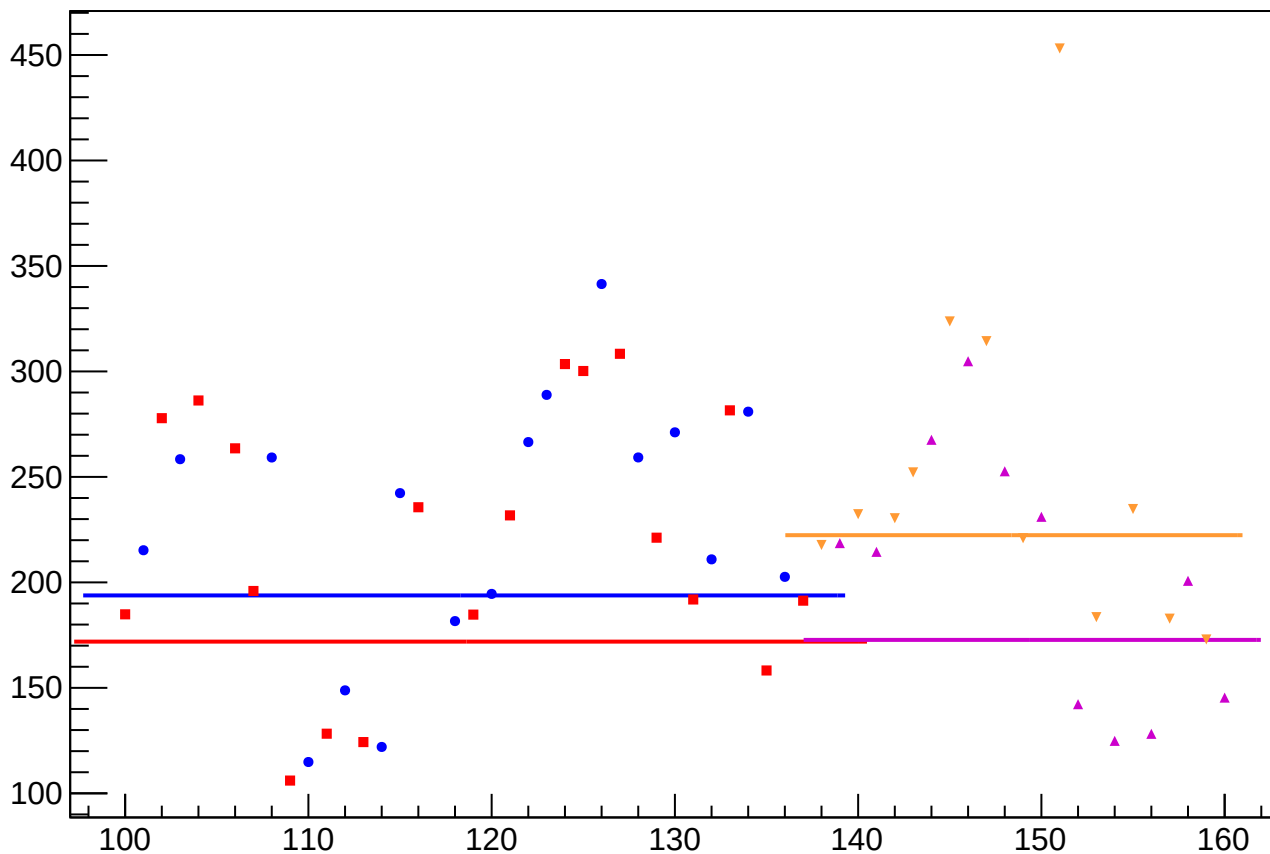
Left In: 55.808 ± 62.329 $\chi^2/\text{NDF}: 4.8/10$

57.260 ± 55.615 $\chi^2/\text{NDF}: 10.7/28$

43.046 ± 35.698 $\chi^2/\text{NDF}: 22.3/58$

33.088 ± 46.553 $\chi^2/\text{NDF}: 11.5/29$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 222.376 $\pm$ 0.055 χ^2 /NDF: 959506.2/11

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

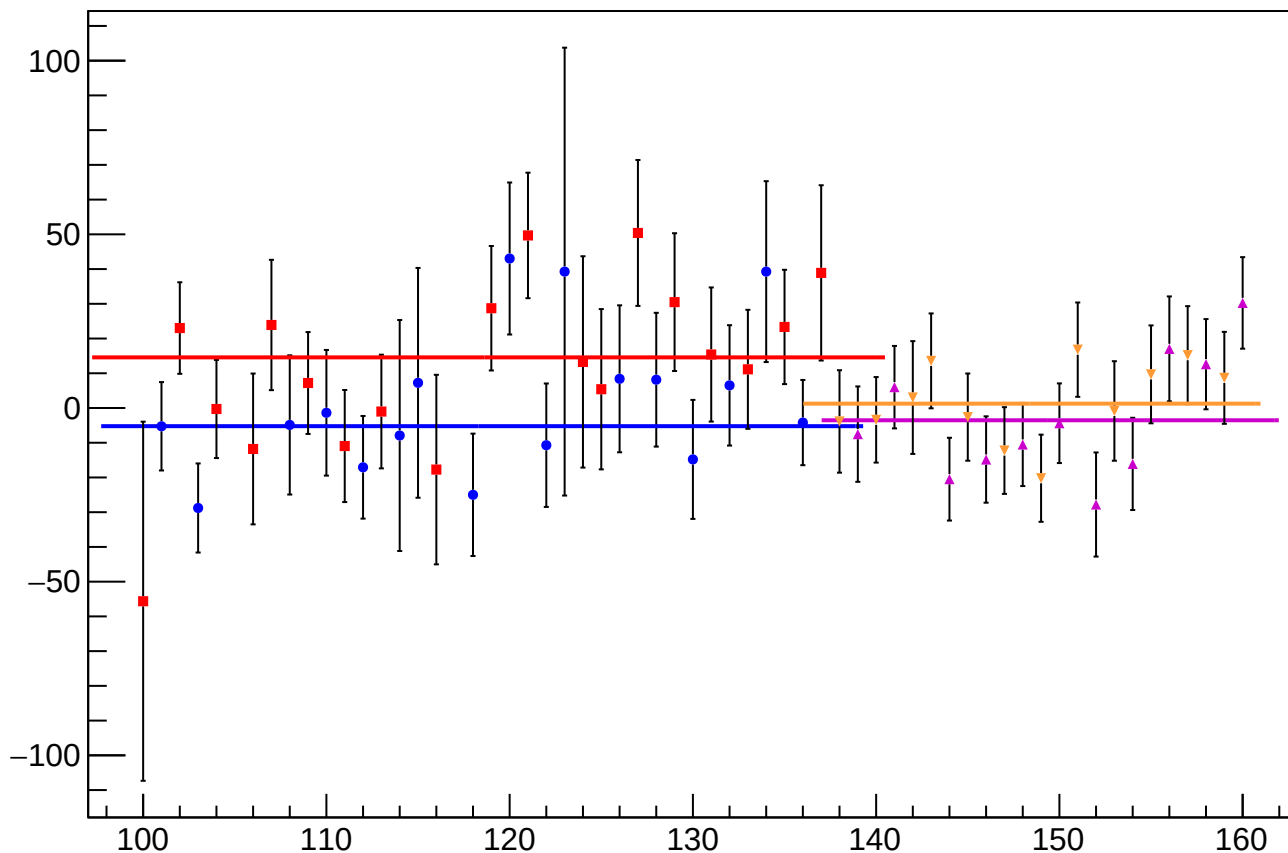
Left In: 172.737 $\pm$ 0.044 χ^2 /NDF: 1445508.7/10

208.437 $\pm$ 0.039 χ^2 /NDF: 2101624.3/28

187.233 $\pm$ 0.025 χ^2 /NDF: 5618789.0/58

172.376 $\pm$ 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 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 1.252 ± 3.907 $\chi^2/\text{NDF}: 8.3/11$

Right Out: 14.579 ± 4.265 $\chi^2/\text{NDF}: 19.5/18$

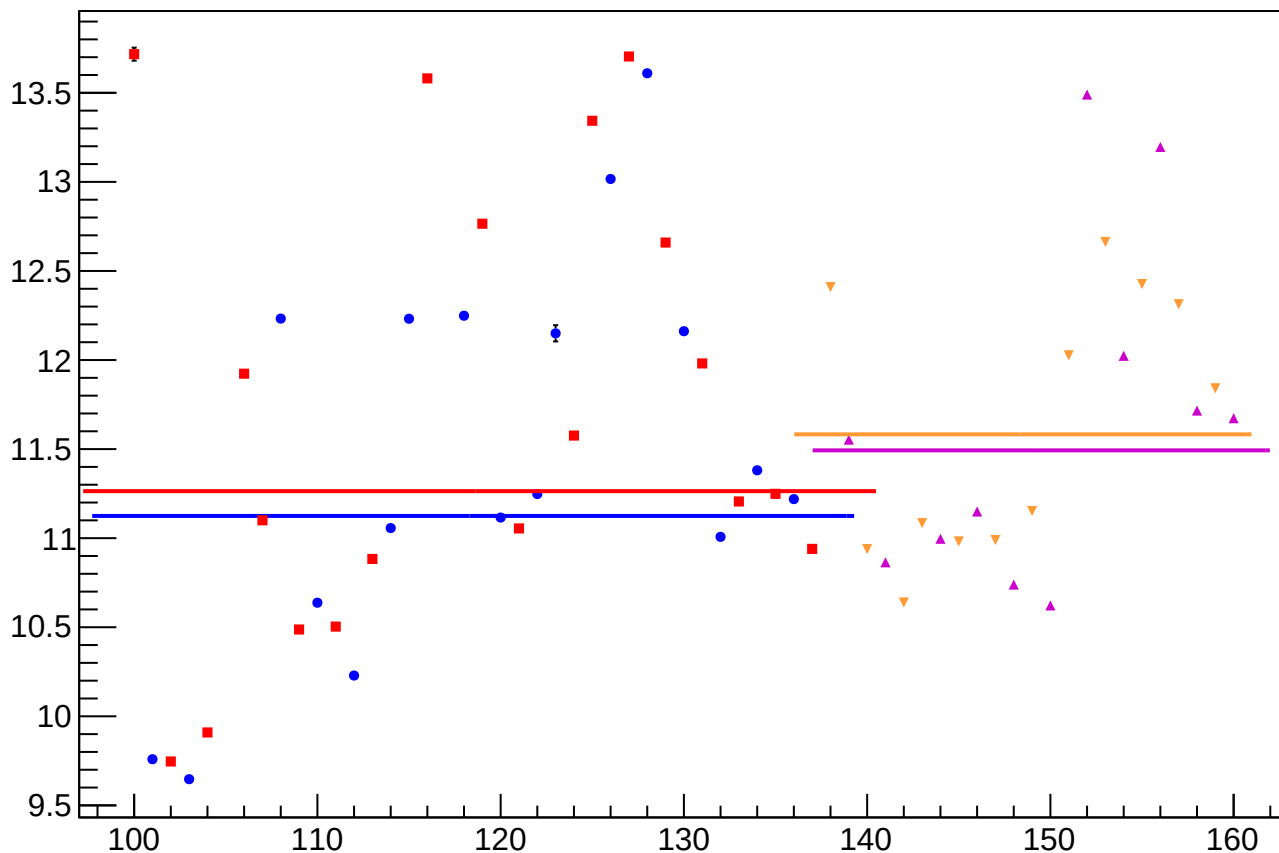
Left In: -3.531 ± 3.872 $\chi^2/\text{NDF}: 17.4/10$

-1.638 ± 2.908 $\chi^2/\text{NDF}: 25.0/28$

1.552 ± 2.042 $\chi^2/\text{NDF}: 74.2/58$

4.652 ± 2.867 $\chi^2/\text{NDF}: 46.8/29$

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: 11.583+/-0.003 χ^2/NDF : 59421.6/11

Right Out: 11.264+/-0.003 χ^2/NDF : 147733.2/18

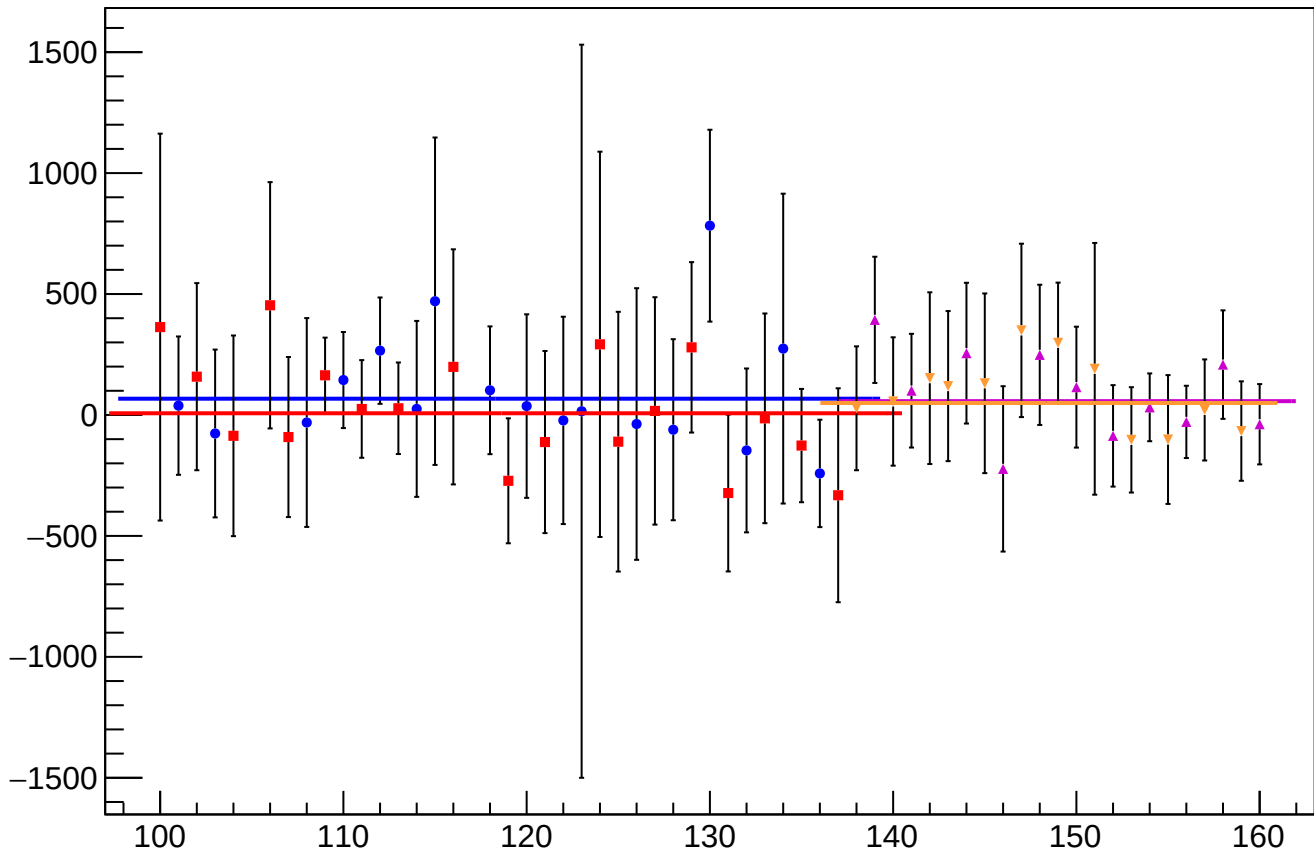
Left In: 11.493+/-0.003 χ^2/NDF : 95194.4/10

11.379+/-0.002 χ^2/NDF : 204199.3/28

11.384+/-0.001 χ^2/NDF : 450298.9/58

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: 49.582+/-77.988 χ^2/NDF : 3.1/11

Right Out: 7.039+/-70.212 χ^2/NDF : 6.4/18

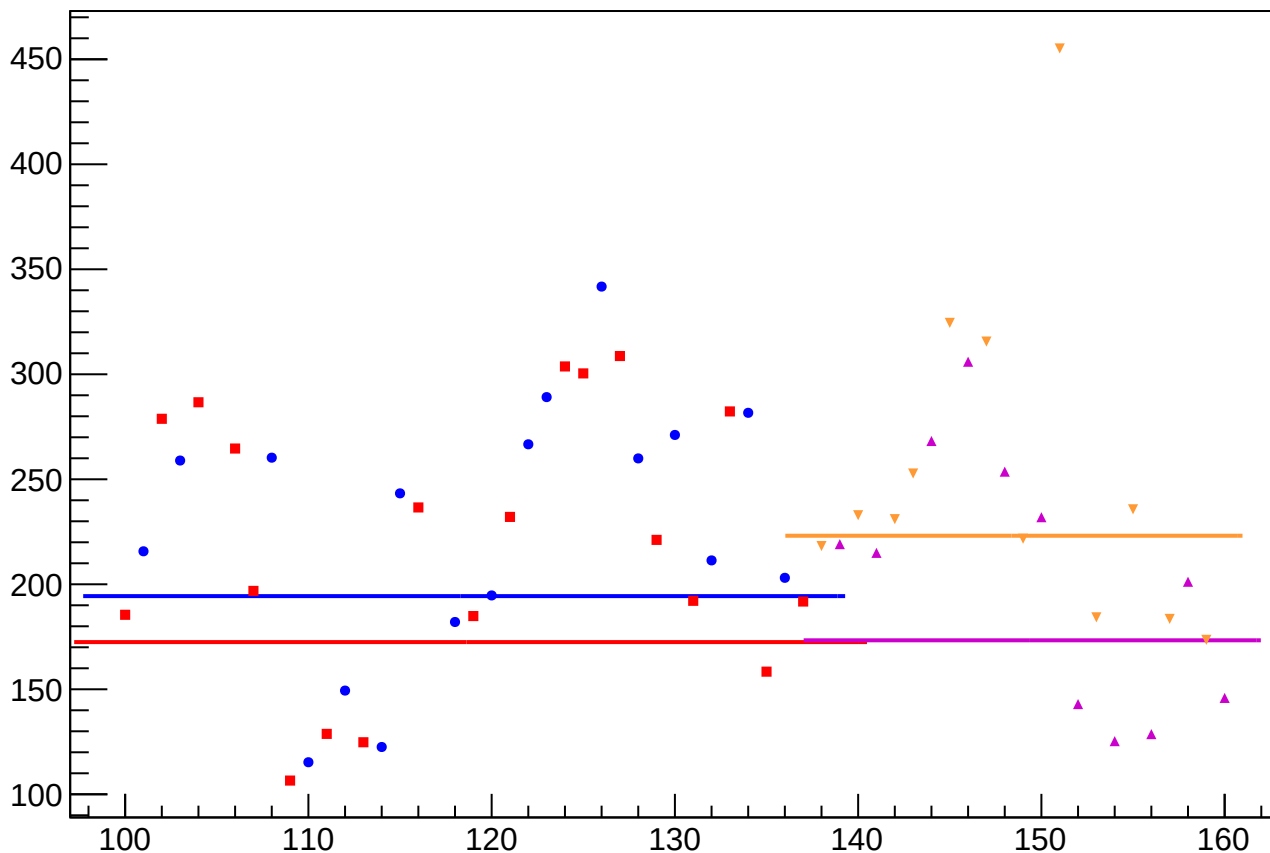
Left In: 57.182+/-62.537 χ^2/NDF : 4.9/10

58.238+/-55.781 χ^2/NDF : 10.6/28

44.576+/-35.807 χ^2/NDF : 22.4/58

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: 223.120 +/- 0.055 χ^2/NDF : 958776.5/11

Right Out: 172.471 +/- 0.050 χ^2/NDF : 1569648.4/18

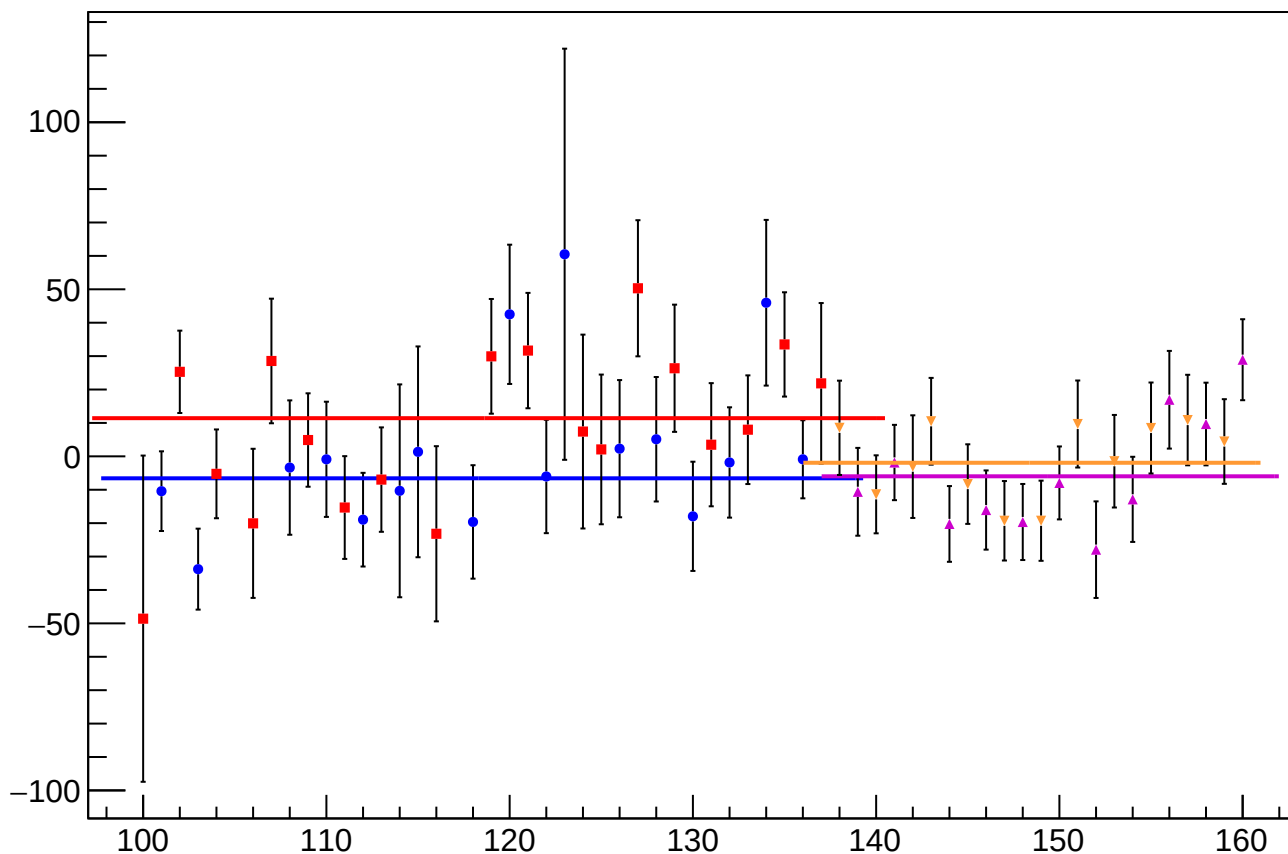
Left In: 173.322 +/- 0.044 χ^2/NDF : 1443146.6/10

209.076 +/- 0.039 χ^2/NDF : 2096803.9/28

187.834 +/- 0.025 χ^2/NDF : 5603069.1/58

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: -1.925 ± 3.733 $\chi^2/\text{NDF}: 9.2/11$

Right Out: 11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

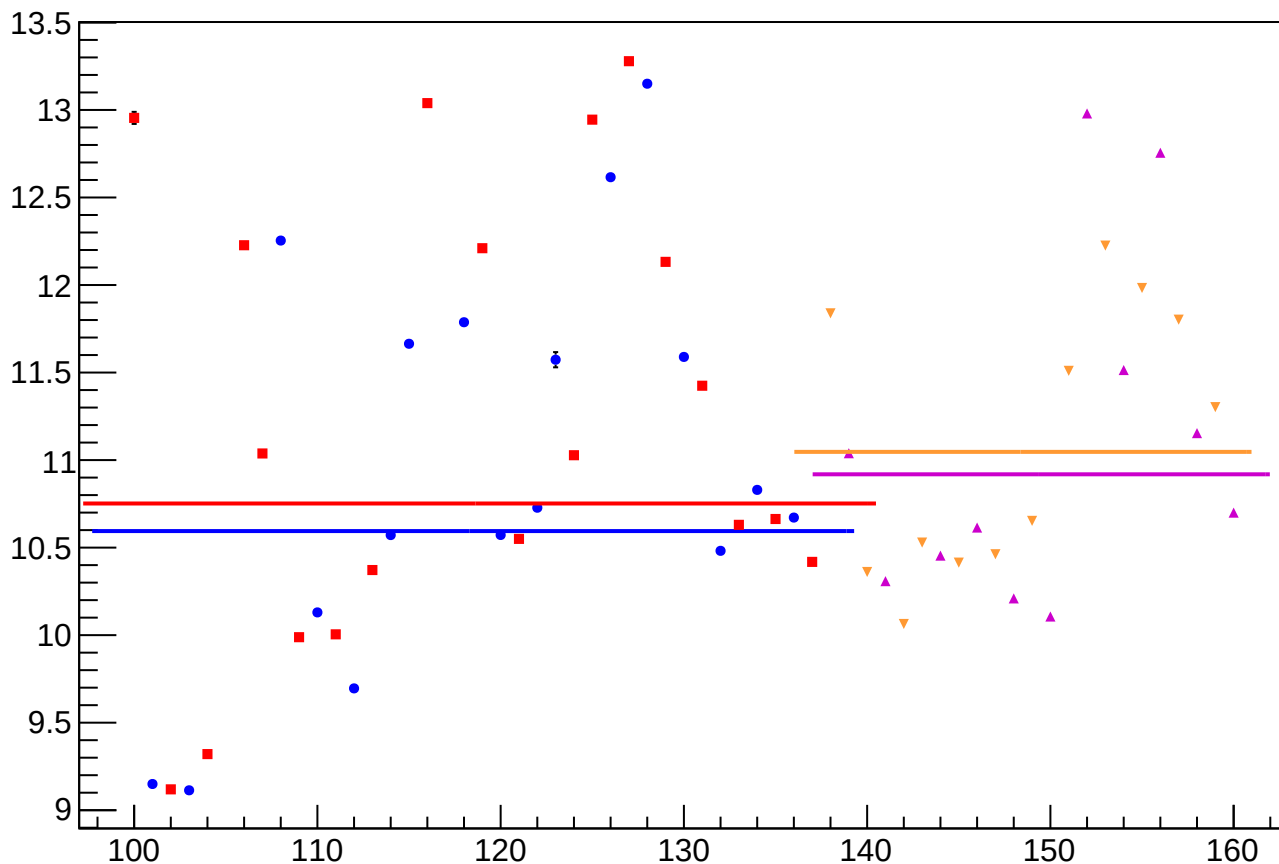
Left In: -5.976 ± 3.686 $\chi^2/\text{NDF}: 19.0/10$

-4.001 ± 2.777 $\chi^2/\text{NDF}: 29.2/28$

-1.034 ± 1.949 $\chi^2/\text{NDF}: 83.4/58$

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: 11.047 $\pm$ 0.003 χ^2/NDF : 70684.8/11

Right Out: 10.752 $\pm$ 0.003 χ^2/NDF : 177173.0/18

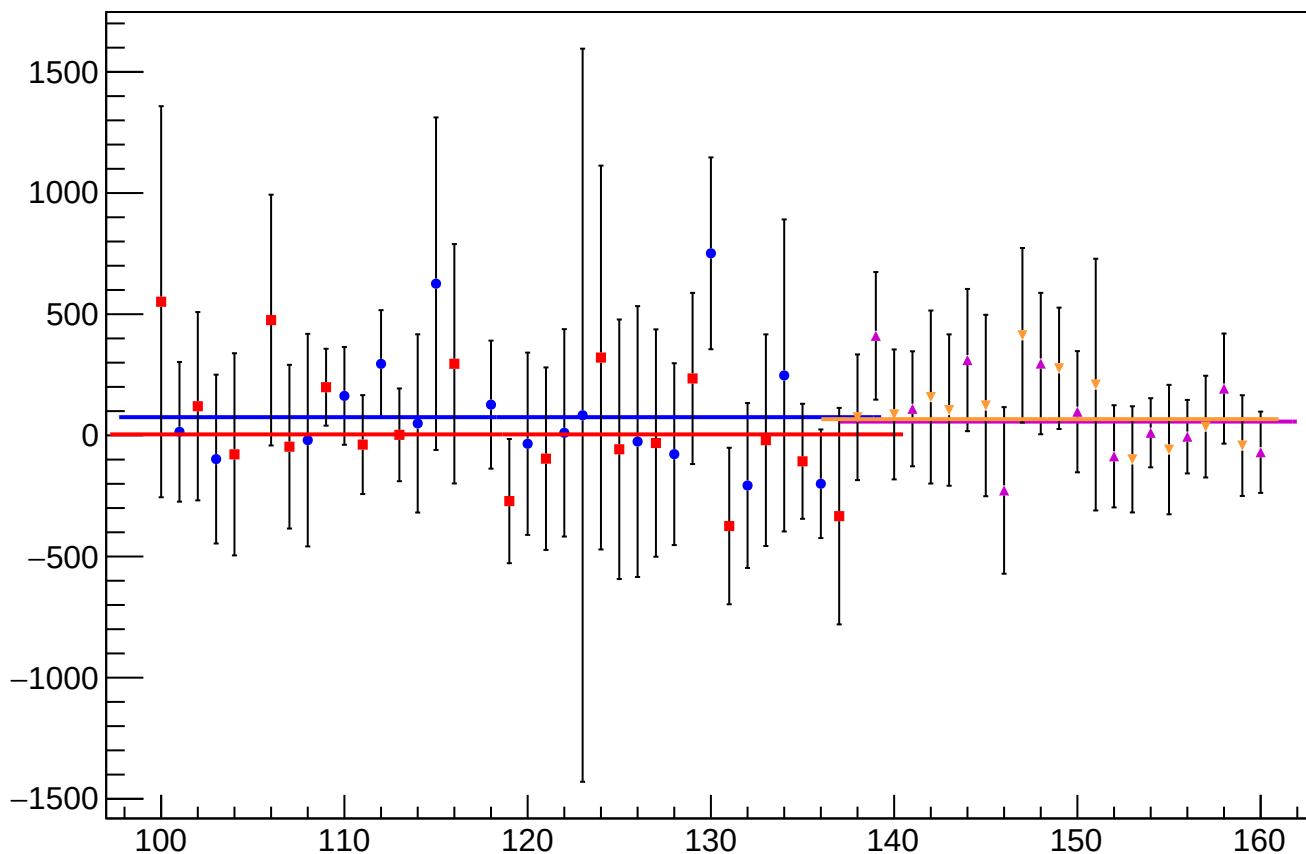
Left In: 10.919 $\pm$ 0.003 χ^2/NDF : 107511.2/10

10.845 $\pm$ 0.002 χ^2/NDF : 243860.3/28

10.844 $\pm$ 0.001 χ^2/NDF : 530383.9/58

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: 66.805 $\pm$ 78.557 χ^2 /NDF: 2.9/11

Right Out: 3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

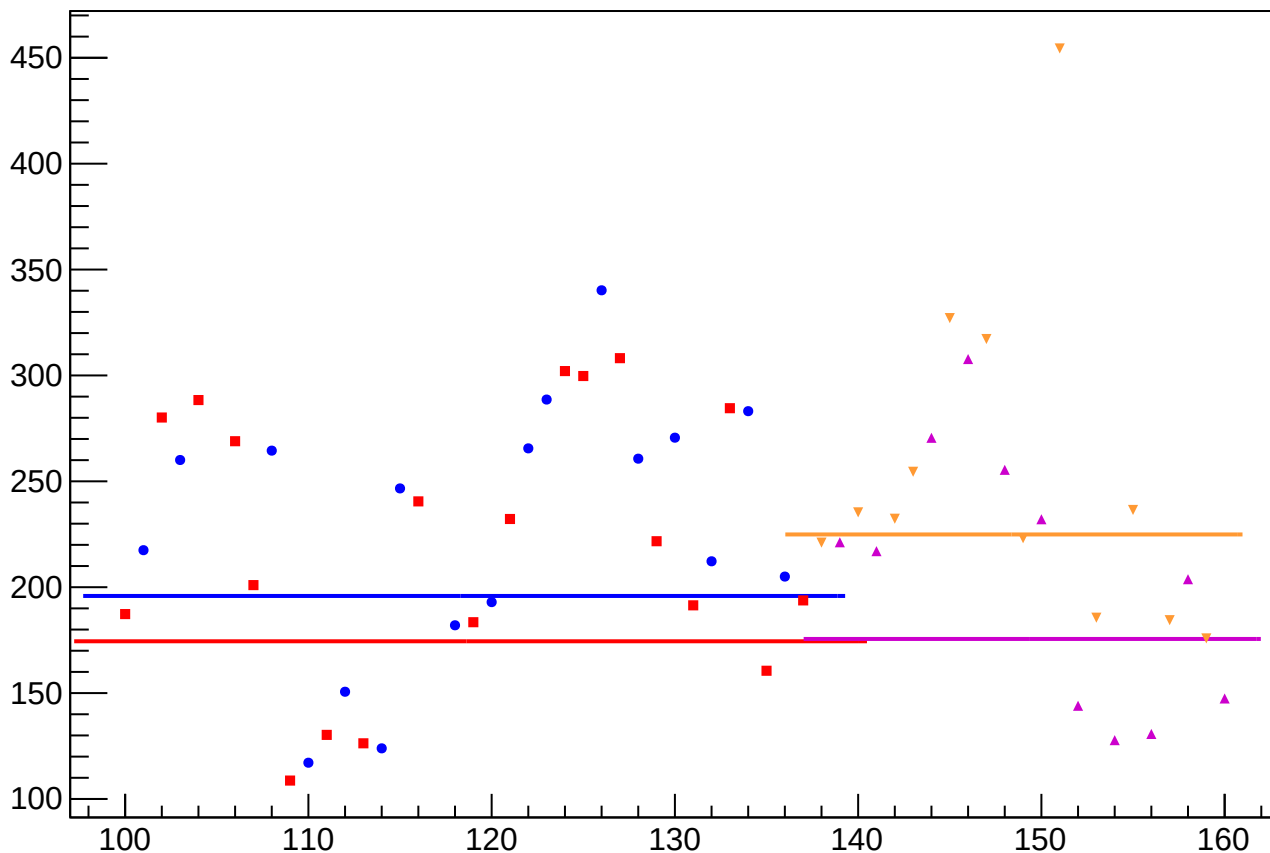
Left In: 56.760 $\pm$ 63.241 χ^2 /NDF: 5.7/10

70.852 $\pm$ 56.172 χ^2 /NDF: 10.6/28

48.882 $\pm$ 36.132 χ^2 /NDF: 24.1/58

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: 224.913 $\pm$ 0.056 χ^2/NDF : 947182.7/11

Right Out: 174.465 $\pm$ 0.050 χ^2/NDF : 1528778.5/18

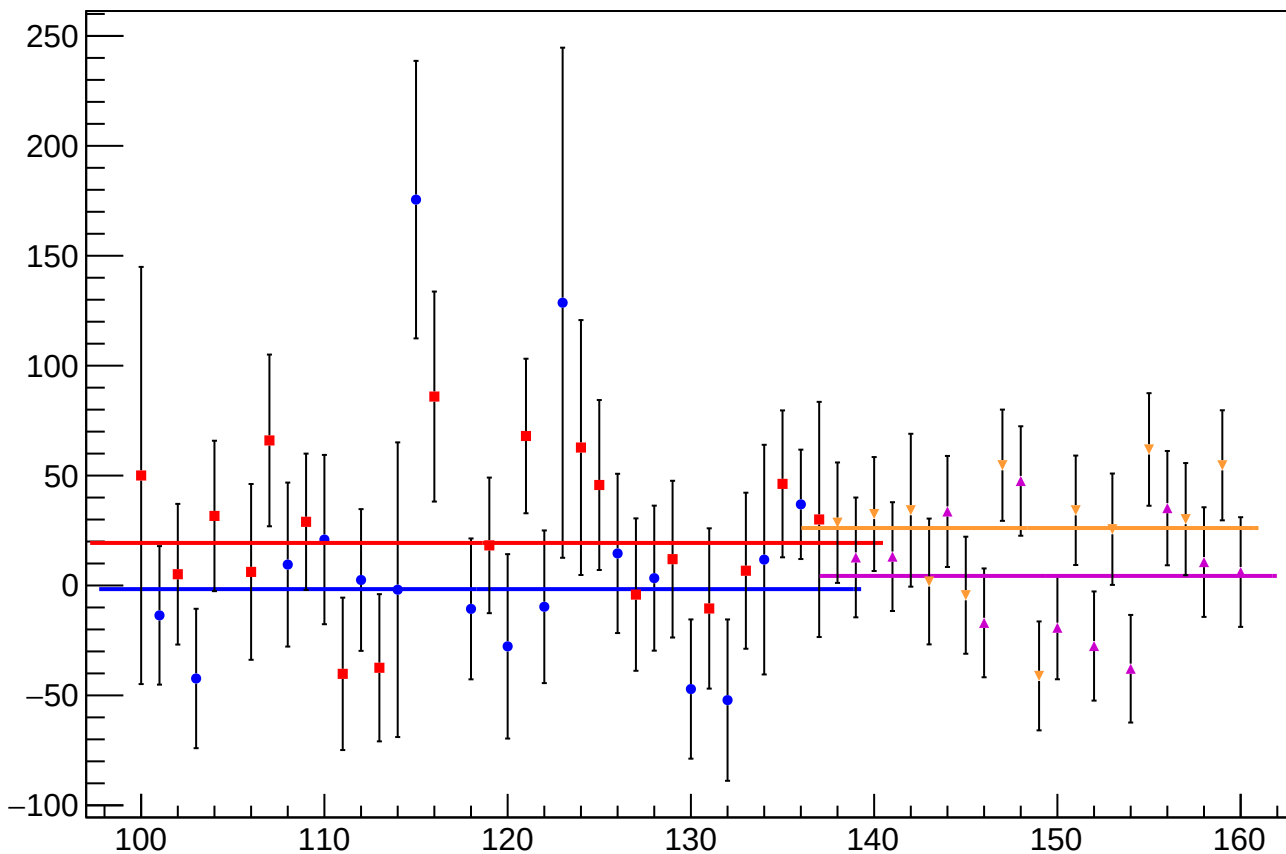
Left In: 175.562 $\pm$ 0.045 χ^2/NDF : 1409643.4/10

210.719 $\pm$ 0.040 χ^2/NDF : 2060034.1/28

189.823 $\pm$ 0.026 χ^2/NDF : 5470804.3/58

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: 26.141 ± 7.603 χ^2/NDF : 14.2/11

Right Out: 19.357 ± 8.556 χ^2/NDF : 14.8/18

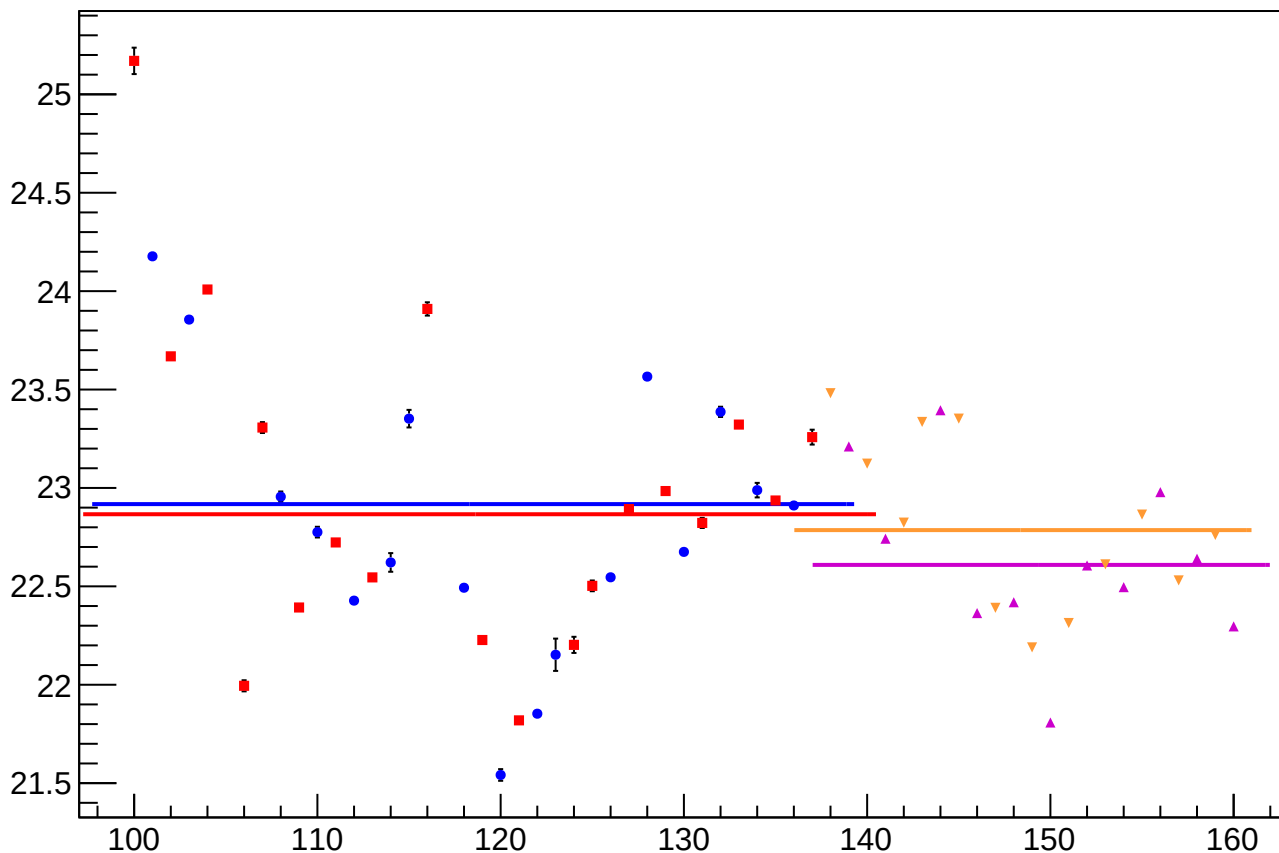
Left In: 4.352 ± 7.539 χ^2/NDF : 12.4/10

14.386 ± 5.776 χ^2/NDF : 38.4/28

12.612 ± 4.041 χ^2/NDF : 67.5/58

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 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.786 $\pm$ 0.005 χ^2 /NDF: 5955.0/11

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

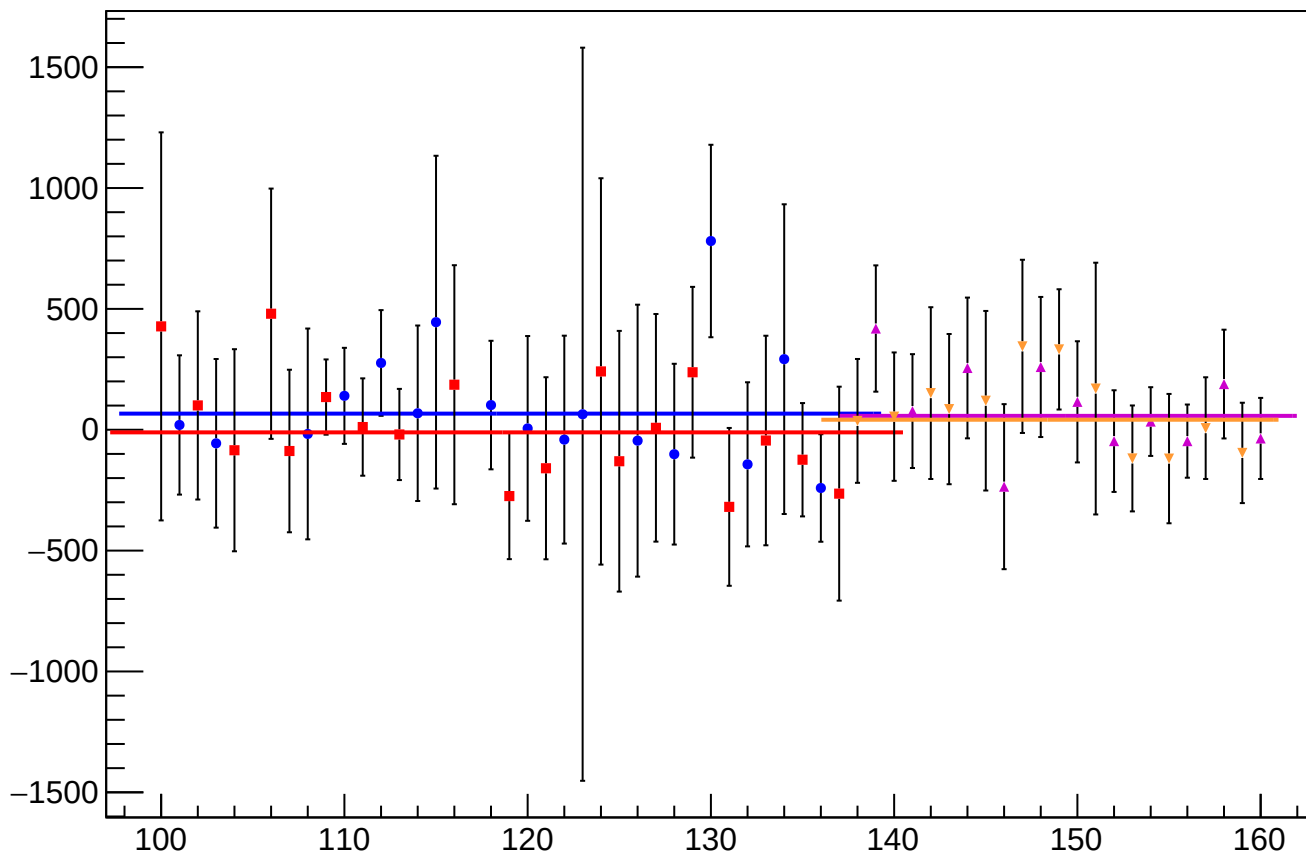
Left In: 22.609 $\pm$ 0.005 χ^2 /NDF: 6377.0/10

22.842 $\pm$ 0.004 χ^2 /NDF: 17682.7/28

22.780 $\pm$ 0.003 χ^2 /NDF: 36573.3/58

22.721 $\pm$ 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 $\chi^2/\text{NDF}: 7.5/16$

Left Out: 41.400 ± 78.285 $\chi^2/\text{NDF}: 3.7/11$

Right Out: -10.870 ± 70.386 $\chi^2/\text{NDF}: 5.7/18$

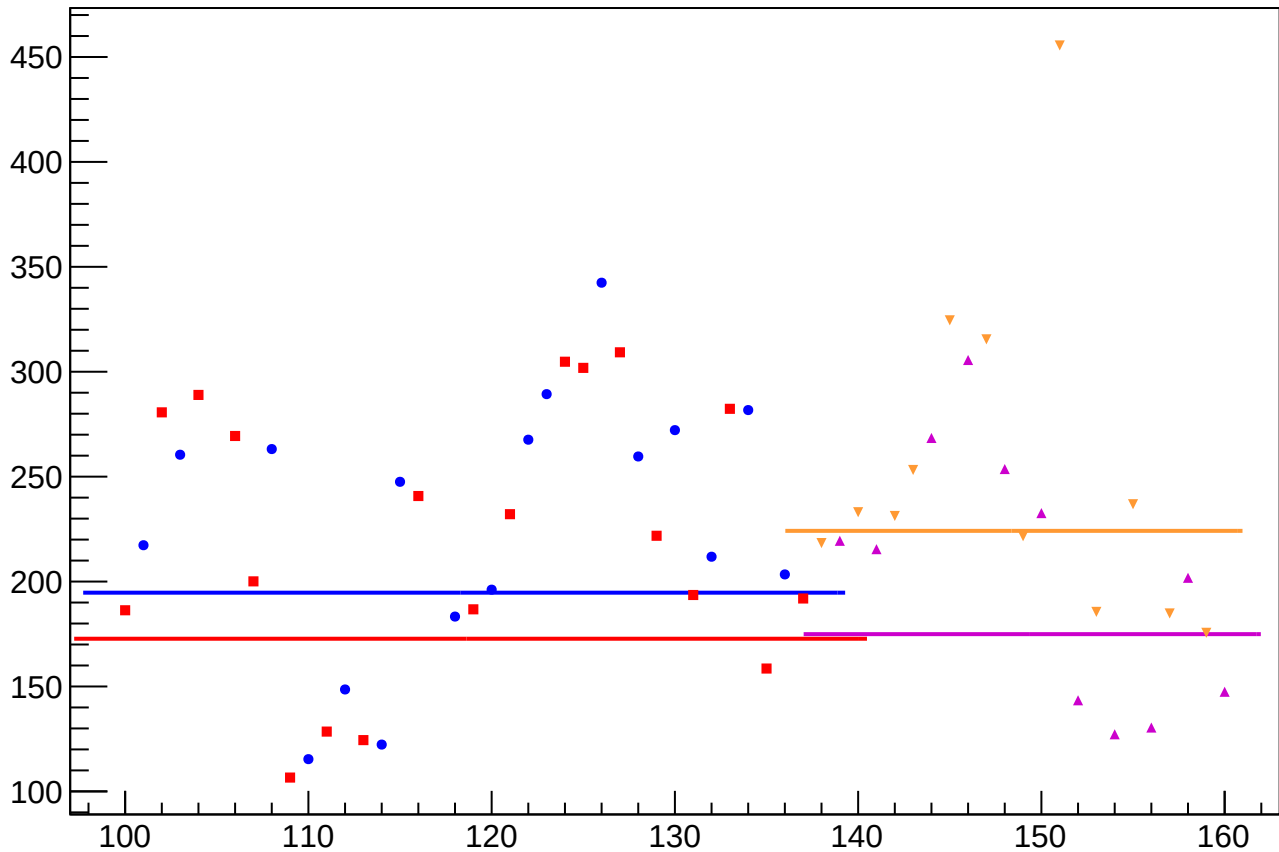
Left In: 57.425 ± 63.008 $\chi^2/\text{NDF}: 5.1/10$

53.777 ± 55.951 $\chi^2/\text{NDF}: 11.3/28$

38.089 ± 35.963 $\chi^2/\text{NDF}: 22.7/58$

27.044 ± 46.946 $\chi^2/\text{NDF}: 11.3/29$

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: 224.167 $\pm$ 0.055 χ^2 /NDF:938293.1/11

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

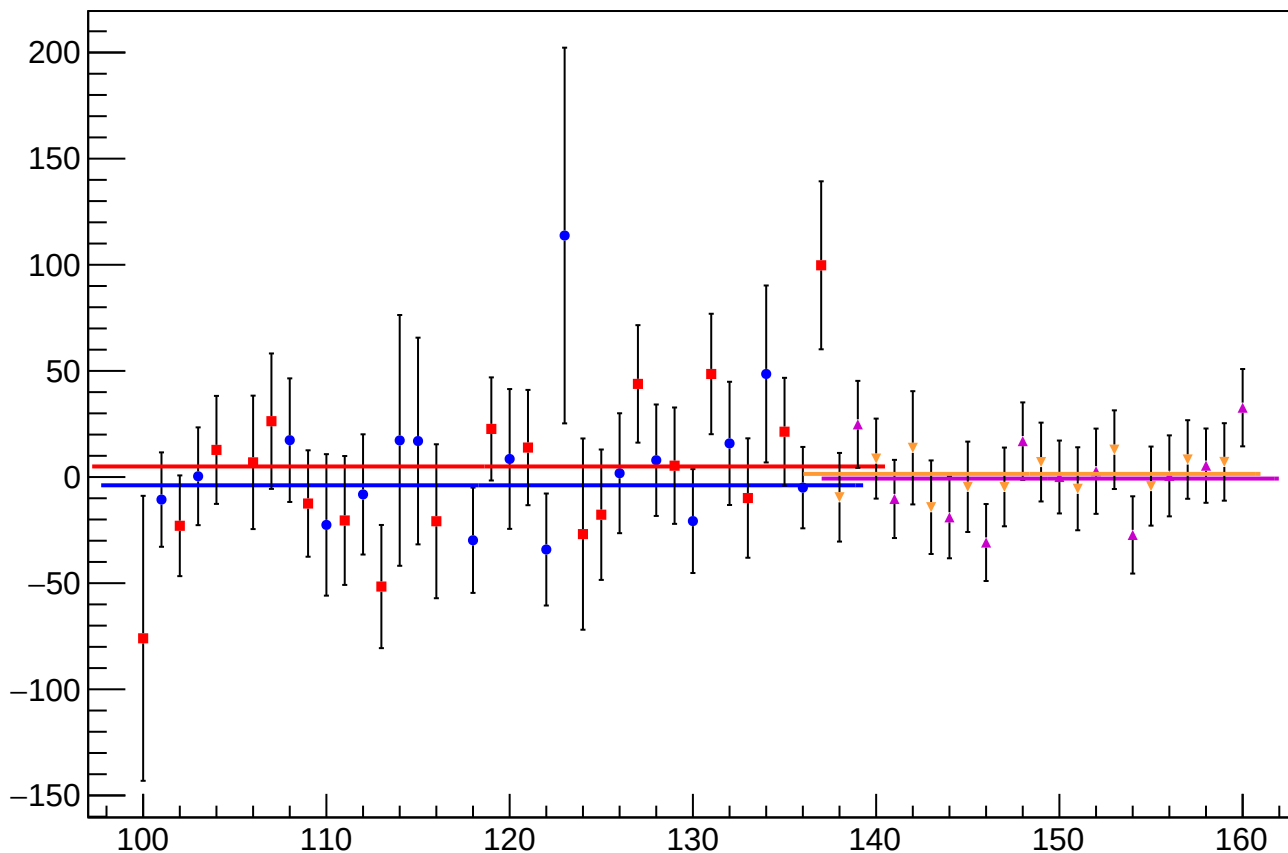
Left In: 174.941 $\pm$ 0.045 χ^2 /NDF:1394940.9/10

209.753 $\pm$ 0.040 χ^2 /NDF: 2096755.6/28

188.752 $\pm$ 0.025 χ^2 /NDF: 5569829.1/58

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: 1.482 ± 5.687 χ^2/NDF : 2.3/11

Right Out: 4.985 ± 6.727 χ^2/NDF : 21.3/18

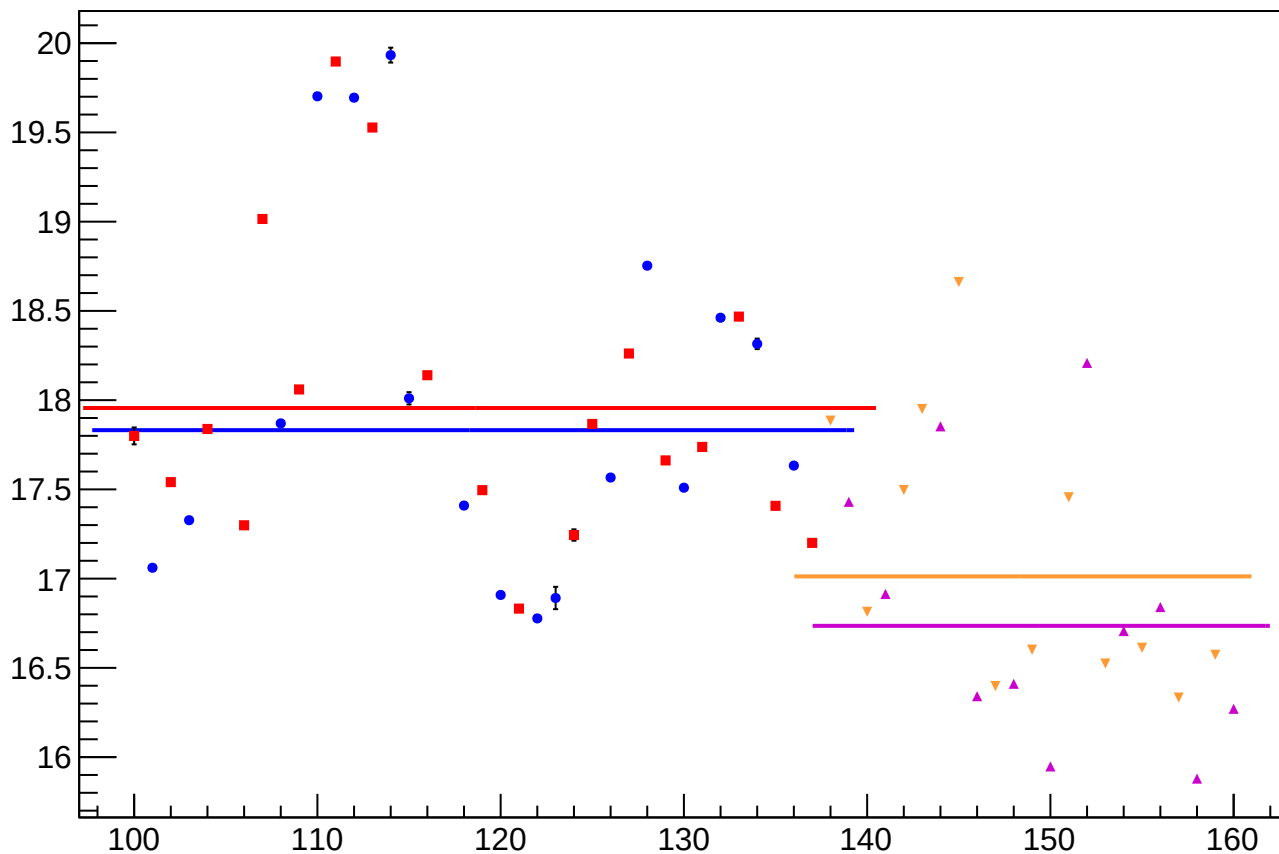
Left In: -0.725 ± 5.592 χ^2/NDF : 12.1/10

-0.687 ± 4.393 χ^2/NDF : 11.0/28

0.485 ± 3.073 χ^2/NDF : 45.0/58

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: 17.013 $\pm$ 0.004 χ^2 /NDF:30354.6/11

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

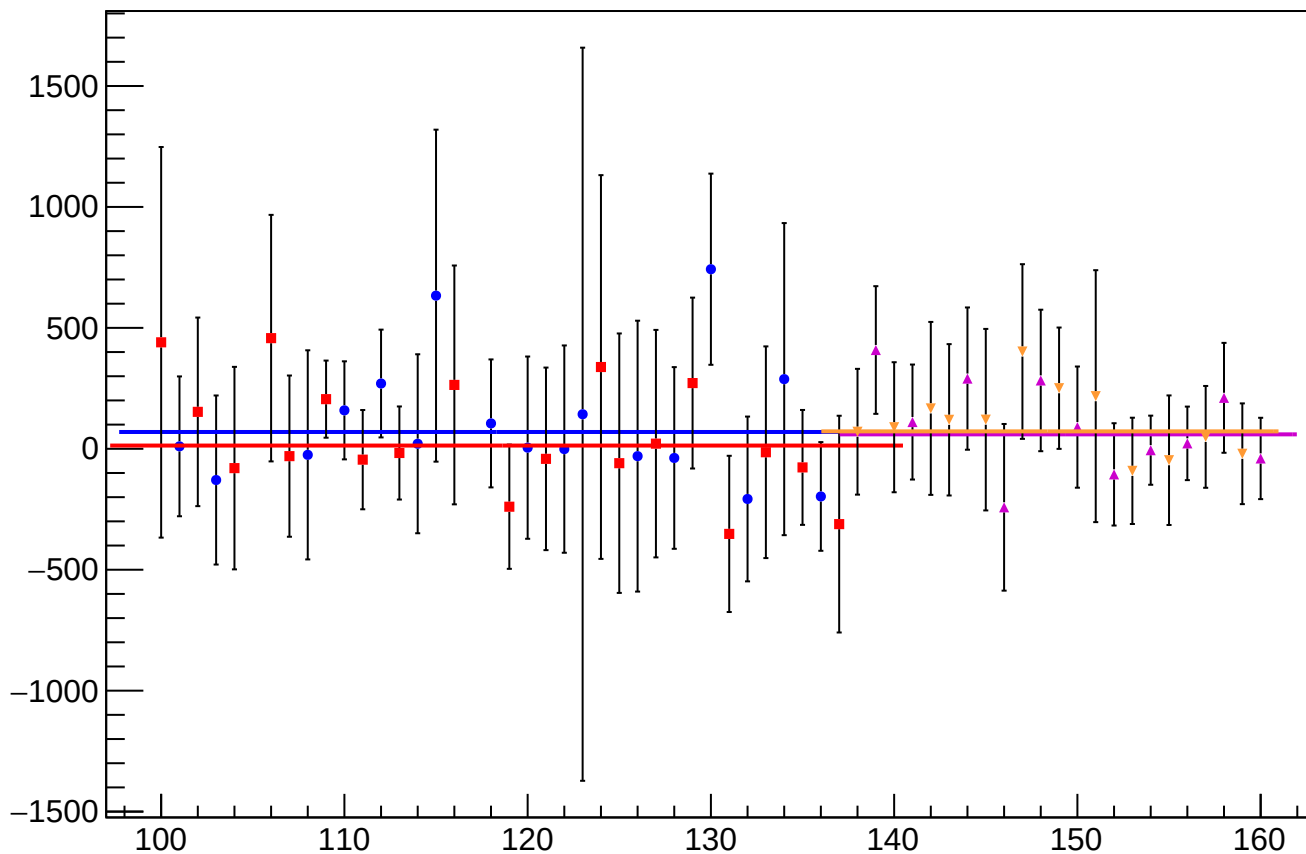
Left In: 16.735 $\pm$ 0.004 χ^2 /NDF:31904.2/10

17.343 $\pm$ 0.003 χ^2 /NDF: 77962.3/28

17.287 $\pm$ 0.002 χ^2 /NDF: 174877.9/58

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 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 72.070 $\pm$ 78.740 χ^2 /NDF: 2.5/11

Right Out: 13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

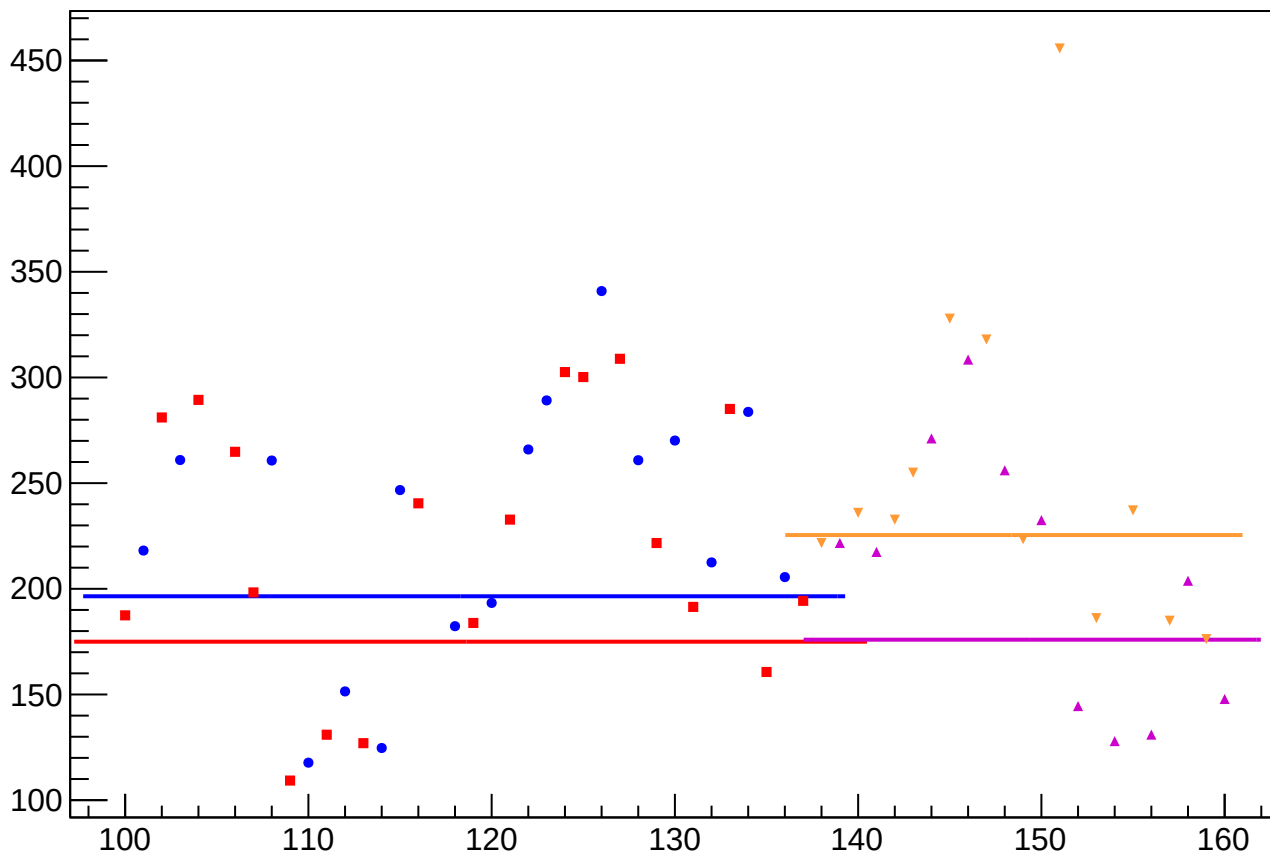
Left In: 59.703 $\pm$ 63.373 χ^2 /NDF: 5.4/10

70.819 $\pm$ 56.307 χ^2 /NDF: 9.9/28

52.272 $\pm$ 36.213 χ^2 /NDF: 22.5/58

39.189 $\pm$ 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: 225.437 $\pm$ 0.056 χ^2 /NDF: 947121.1/11

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

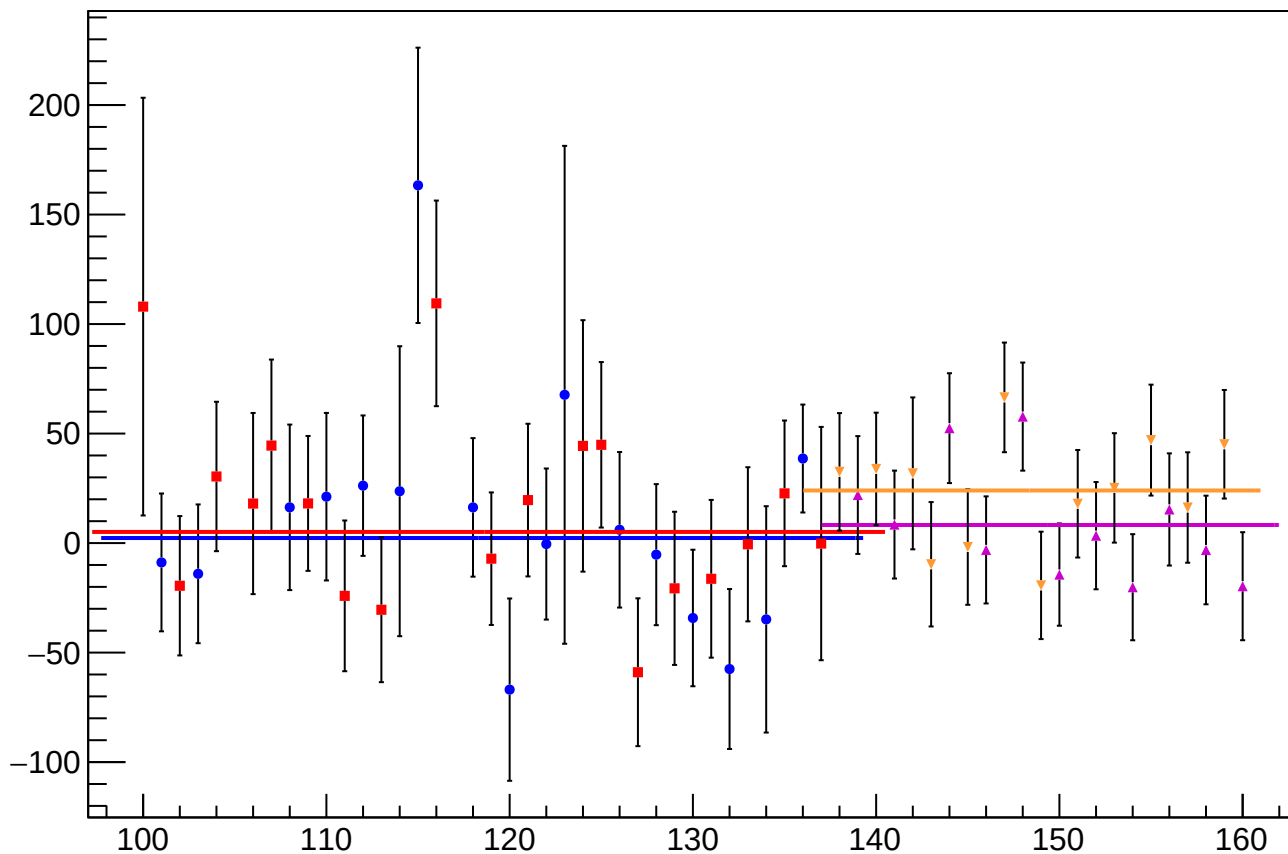
Left In: 175.929 $\pm$ 0.045 χ^2 /NDF: 1409115.6/10

211.283 $\pm$ 0.040 χ^2 /NDF: 2043659.0/28

190.306 $\pm$ 0.026 χ^2 /NDF: 5437454.5/58

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 χ^2/NDF : 18.1/16

Left Out: 24.018 ± 7.518 χ^2/NDF : 10.4/11

Right Out: 5.089 ± 8.479 χ^2/NDF : 17.1/18

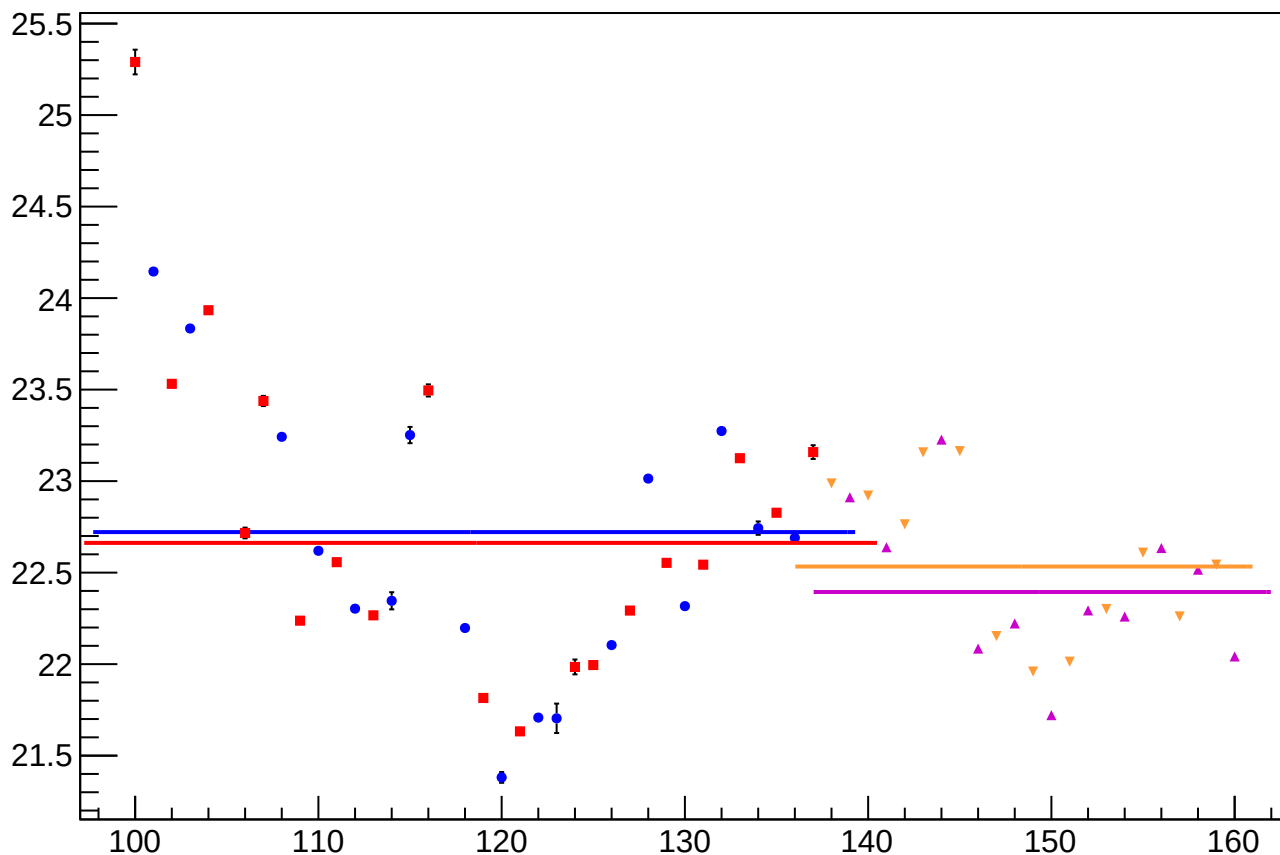
Left In: 8.260 ± 7.467 χ^2/NDF : 11.5/10

14.864 ± 5.717 χ^2/NDF : 32.0/28

10.789 ± 4.002 χ^2/NDF : 61.7/58

6.875 ± 5.604 χ^2/NDF : 28.8/29

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.533 $\pm$ 0.005 χ^2 /NDF: 6101.7/11

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

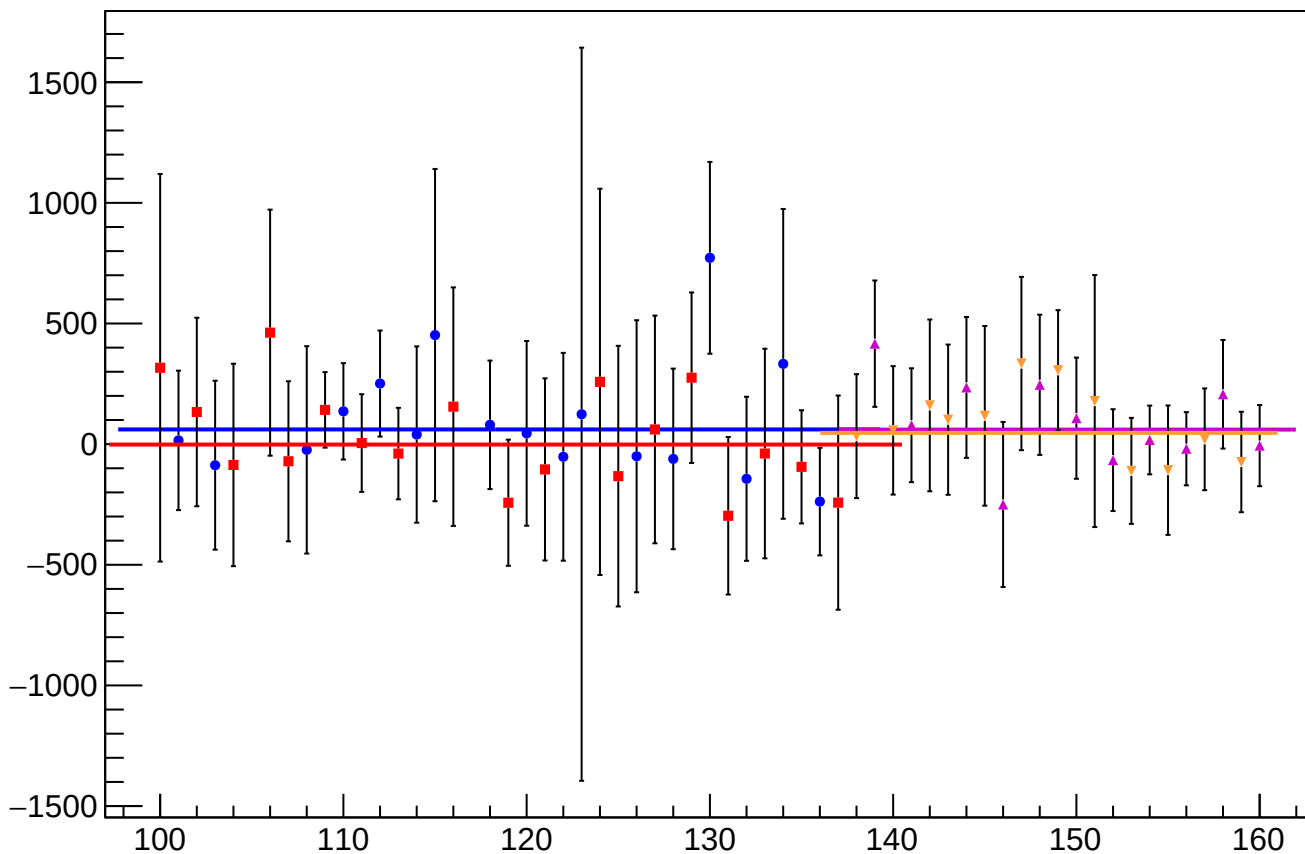
Left In: 22.394 $\pm$ 0.005 χ^2 /NDF: 5946.5/10

22.613 $\pm$ 0.004 χ^2 /NDF: 20210.8/28

22.561 $\pm$ 0.003 χ^2 /NDF: 40561.3/58

22.511 $\pm$ 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: 46.774 $\pm$ 78.468 χ^2 /NDF: 3.2/11

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

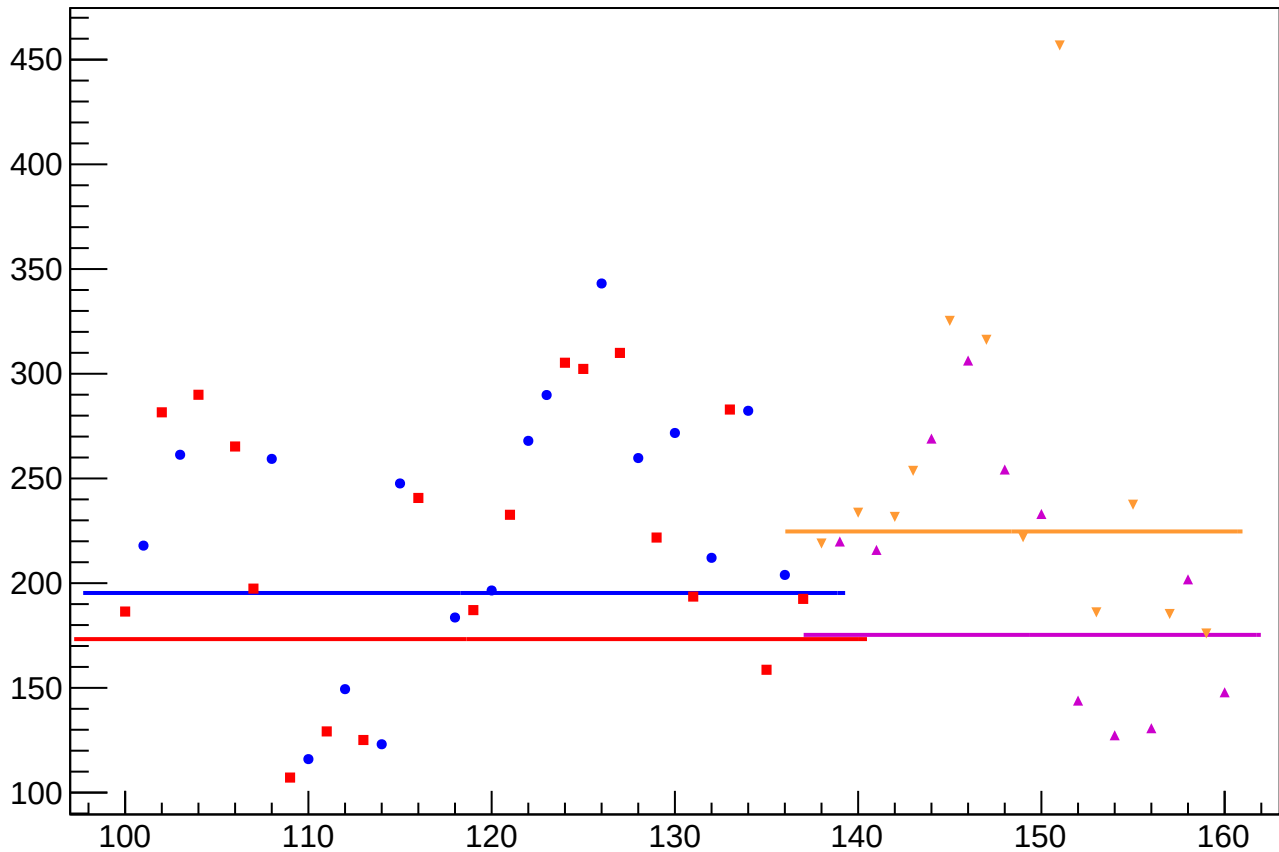
Left In: 60.313 $\pm$ 63.140 χ^2 /NDF: 4.8/10

53.712 $\pm$ 56.087 χ^2 /NDF: 10.4/28

41.412 $\pm$ 36.046 χ^2 /NDF: 20.9/58

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 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 224.690 $\pm$ 0.055 χ^2 /NDF: 938269.9/11

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

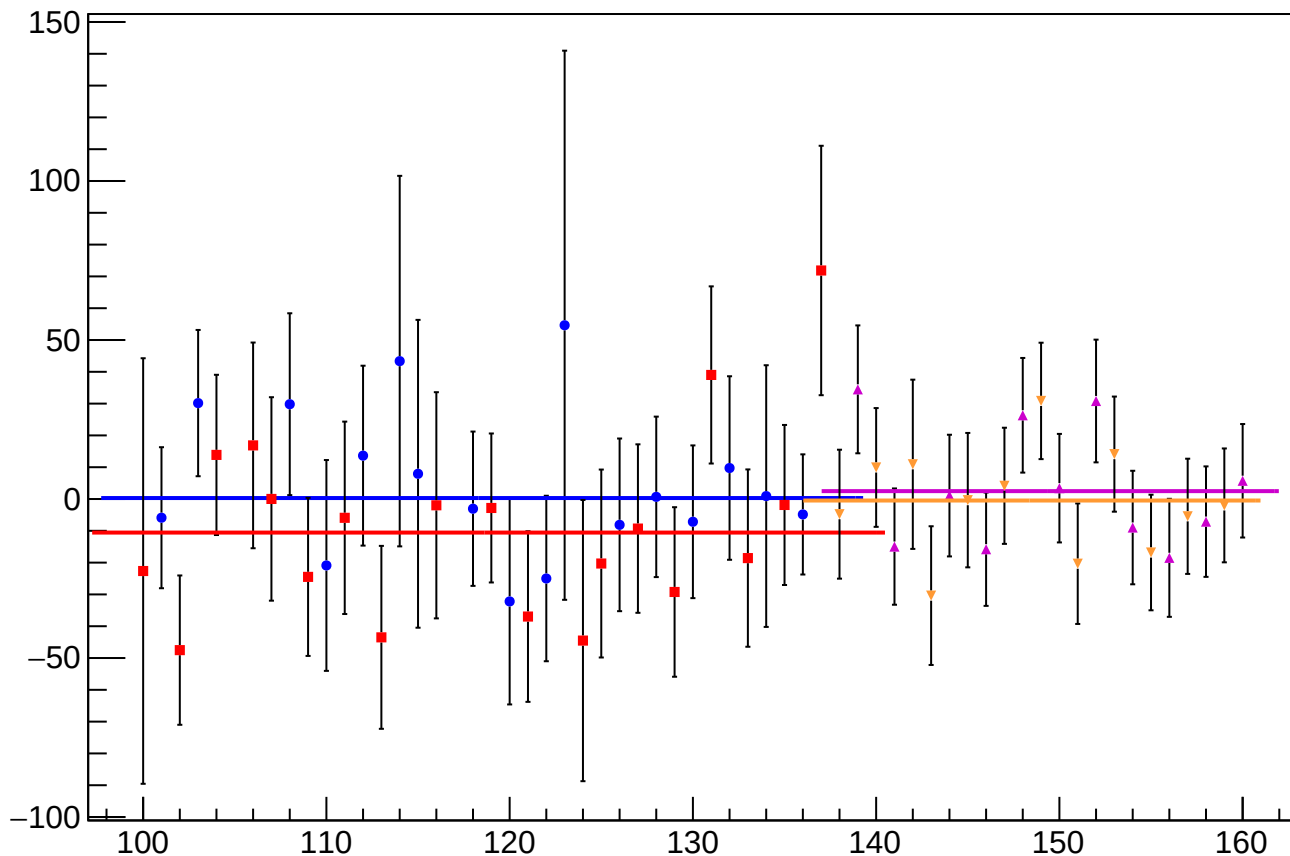
Left In: 175.307 $\pm$ 0.045 χ^2 /NDF: 1394524.3/10

210.323 $\pm$ 0.040 χ^2 /NDF: 2079563.2/28

189.242 $\pm$ 0.025 χ^2 /NDF: 5534745.0/58

174.408 $\pm$ 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 ± 6.812 χ^2/NDF : 6.8/16

Left Out: -0.473 ± 5.584 χ^2/NDF : 8.1/11

Right Out: -10.553 ± 6.628 χ^2/NDF : 16.0/18

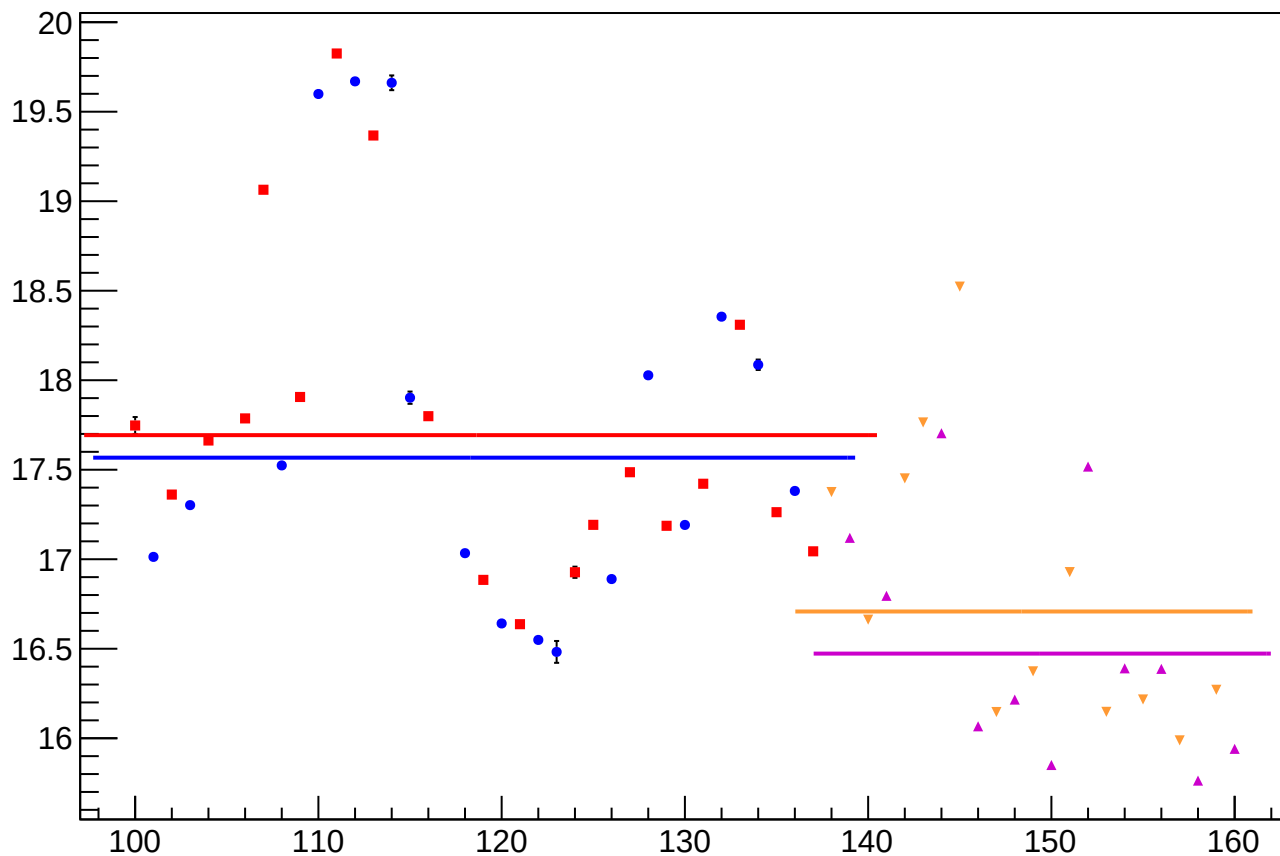
Left In: 2.478 ± 5.501 χ^2/NDF : 10.4/10

-0.160 ± 4.319 χ^2/NDF : 14.8/28

-1.526 ± 3.023 χ^2/NDF : 43.8/58

-2.837 ± 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: 16.708 $\pm$ 0.004 χ^2/NDF : 33743.6/11

Right Out: 17.693 $\pm$ 0.005 χ^2/NDF : 30767.1/18

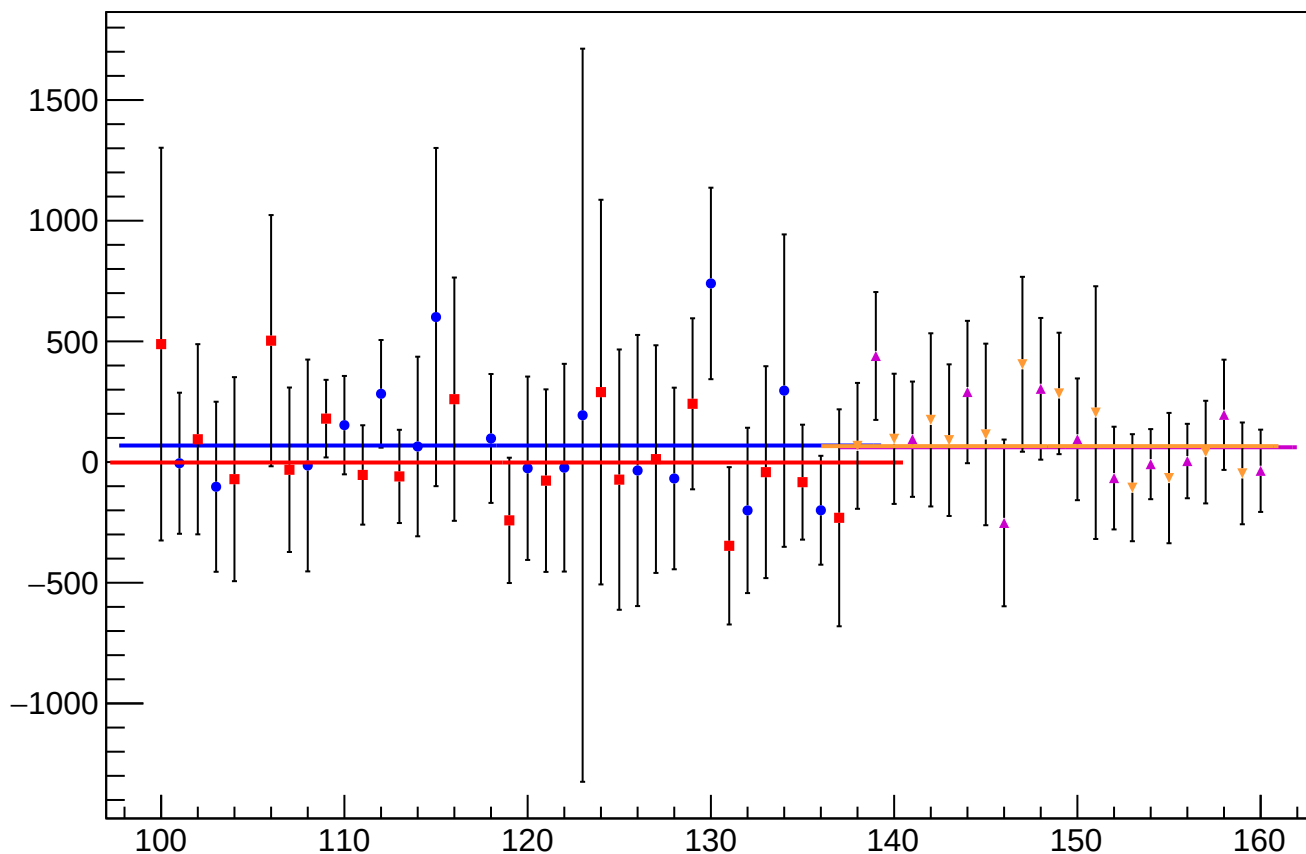
Left In: 16.473 $\pm$ 0.004 χ^2/NDF : 26142.1/10

17.053 $\pm$ 0.003 χ^2/NDF : 85922.2/28

17.011 $\pm$ 0.002 χ^2/NDF : 183351.6/58

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 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 66.059 $\pm$ 79.266 χ^2 /NDF: 3.0/11

Right Out: -1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

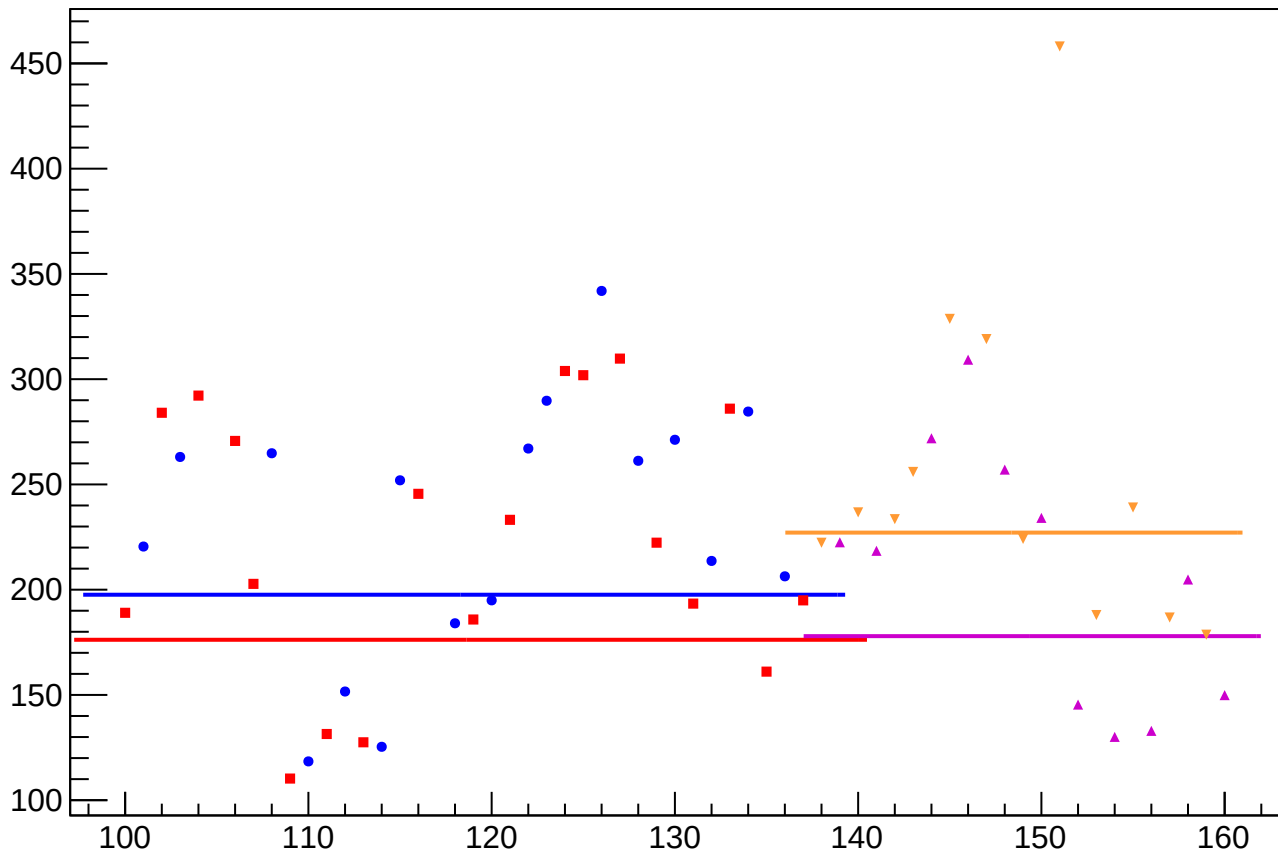
Left In: 61.307 $\pm$ 63.997 χ^2 /NDF: 5.6/10

67.279 $\pm$ 56.659 χ^2 /NDF: 10.3/28

47.358 $\pm$ 36.489 χ^2 /NDF: 22.6/58

33.240 $\pm$ 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: 227.115 $\pm$ 0.056 χ^2 /NDF: 928678.9/11

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

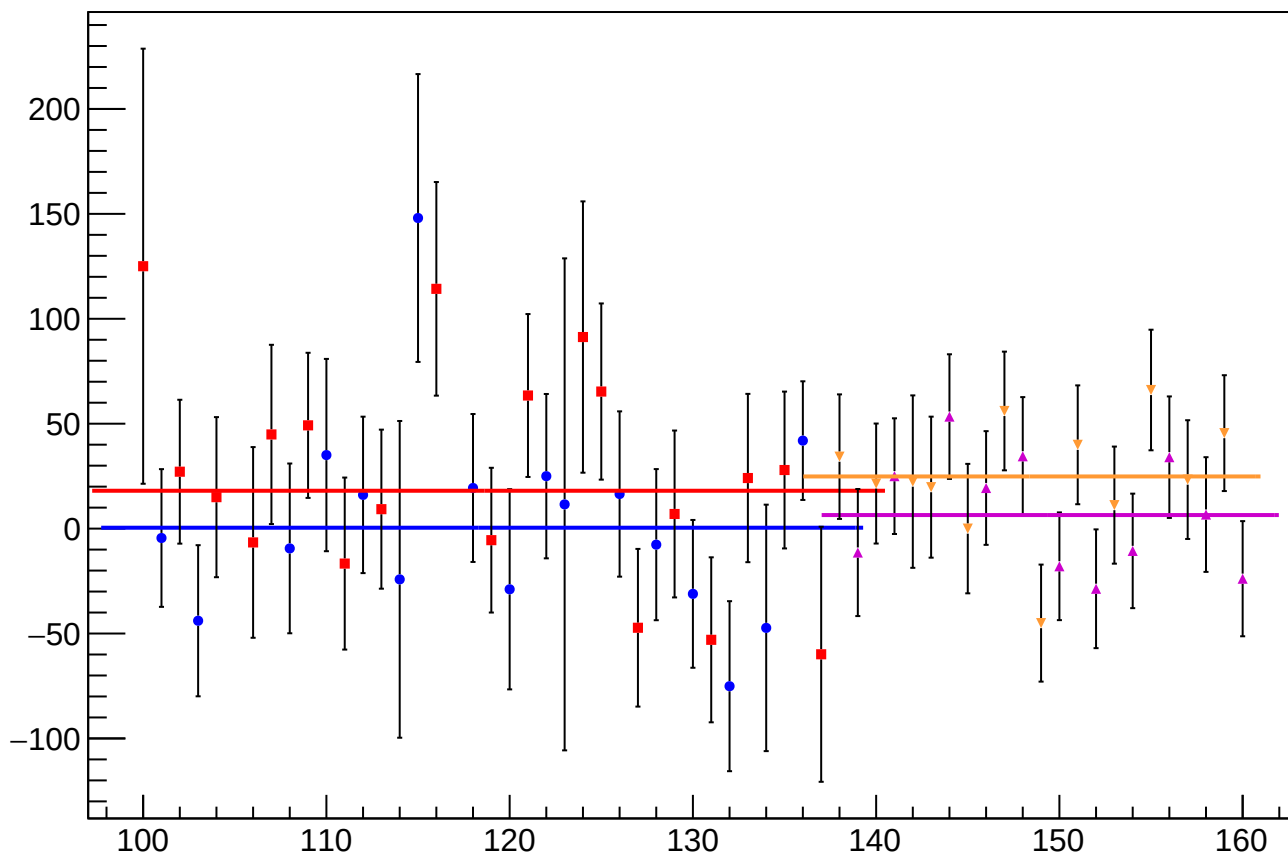
Left In: 177.930 $\pm$ 0.045 χ^2 /NDF: 1367126.6/10

212.682 $\pm$ 0.040 χ^2 /NDF: 2033094.3/28

191.893 $\pm$ 0.026 χ^2 /NDF: 5380737.7/58

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 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 24.857 ± 8.535 $\chi^2/\text{NDF}: 11.4/11$

Right Out: 18.044 ± 9.499 $\chi^2/\text{NDF}: 19.5/18$

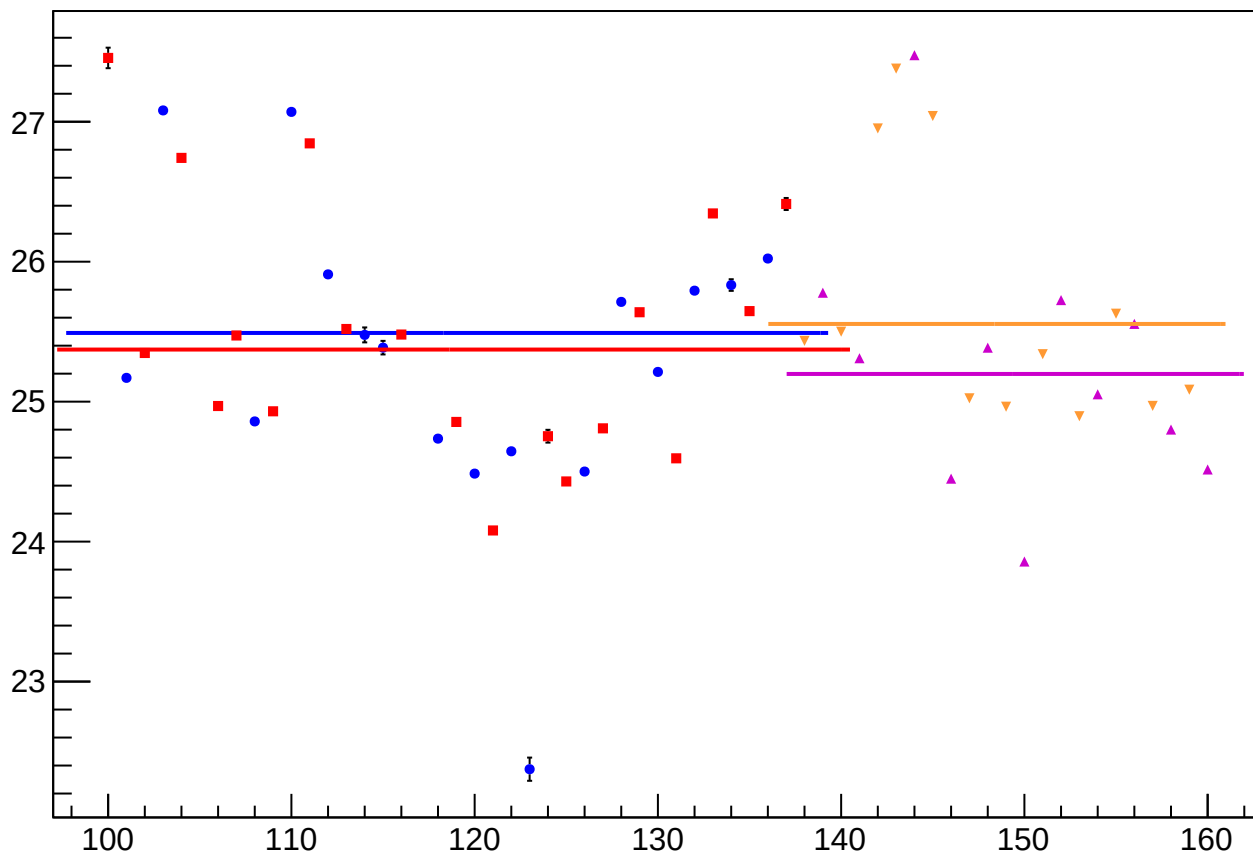
Left In: 6.462 ± 8.413 $\chi^2/\text{NDF}: 9.5/10$

14.421 ± 6.460 $\chi^2/\text{NDF}: 30.4/28$

12.951 ± 4.509 $\chi^2/\text{NDF}: 60.3/58$

11.553 ± 6.298 $\chi^2/\text{NDF}: 29.8/29$

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: 25.555 $\pm$ 0.006 χ^2/NDF : 17174.0/11

Right Out: 25.372 $\pm$ 0.007 χ^2/NDF : 13550.5/18

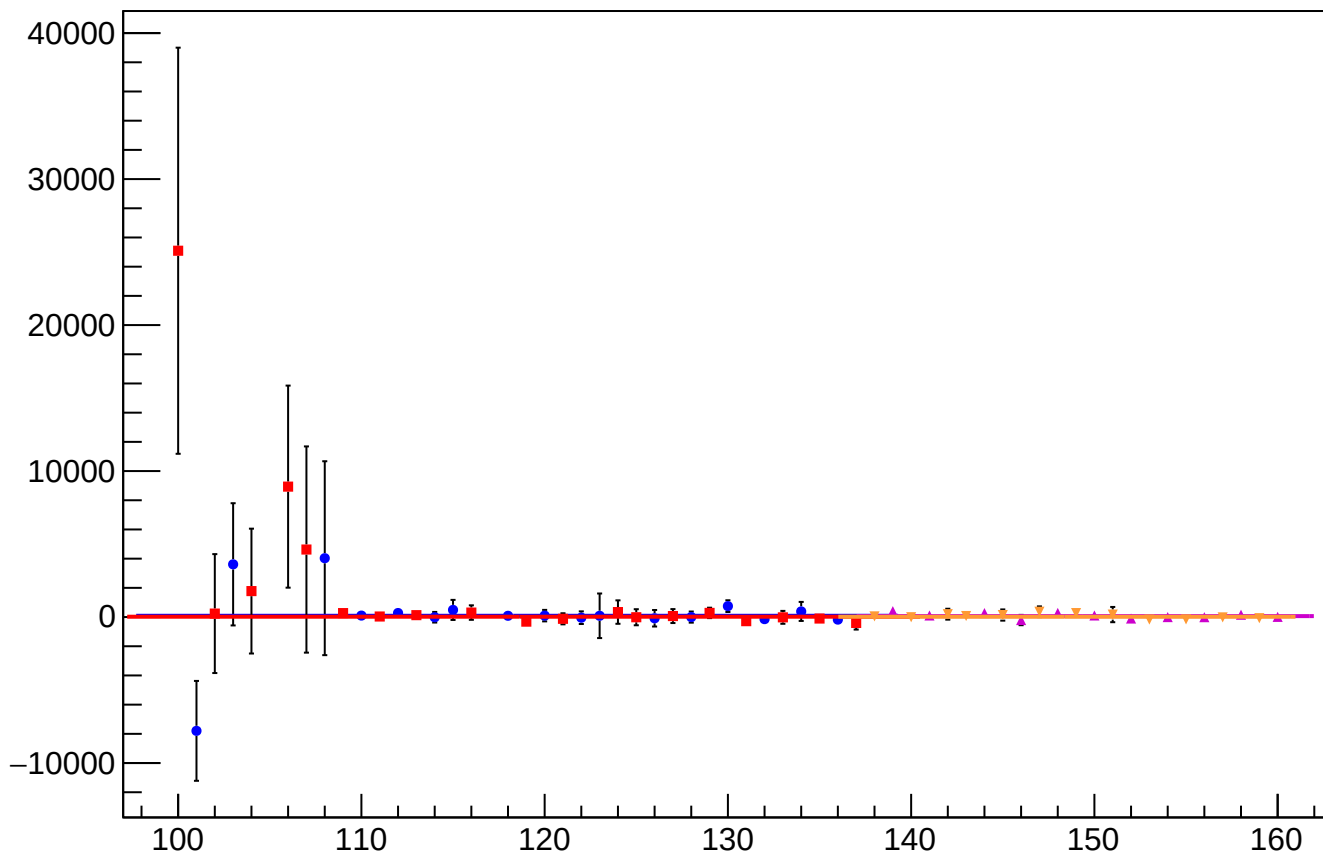
Left In: 25.198 $\pm$ 0.006 χ^2/NDF : 22316.0/10

25.528 $\pm$ 0.005 χ^2/NDF : 30935.5/28

25.398 $\pm$ 0.003 χ^2/NDF : 68754.9/58

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: 21.987 $\pm$ 81.013 χ^2 /NDF: 3.6/11

Right Out: 23.352 $\pm$ 80.948 χ^2 /NDF: 11.9/18

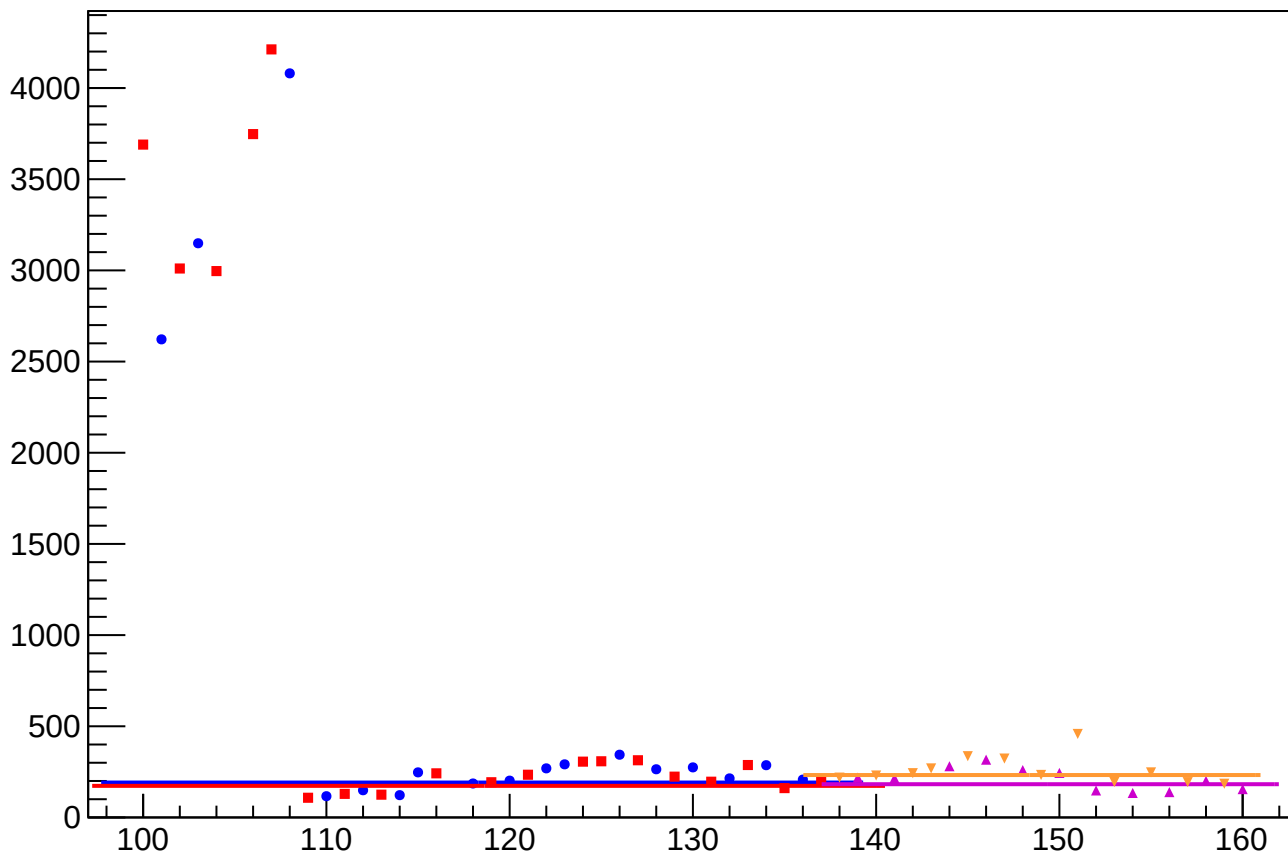
Left In: 64.125 $\pm$ 65.363 χ^2 /NDF: 4.6/10

51.454 $\pm$ 59.733 χ^2 /NDF: 16.4/28

49.470 $\pm$ 38.722 χ^2 /NDF: 33.1/58

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: 232.613+/-0.057 χ^2/NDF : 891208.3/11

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

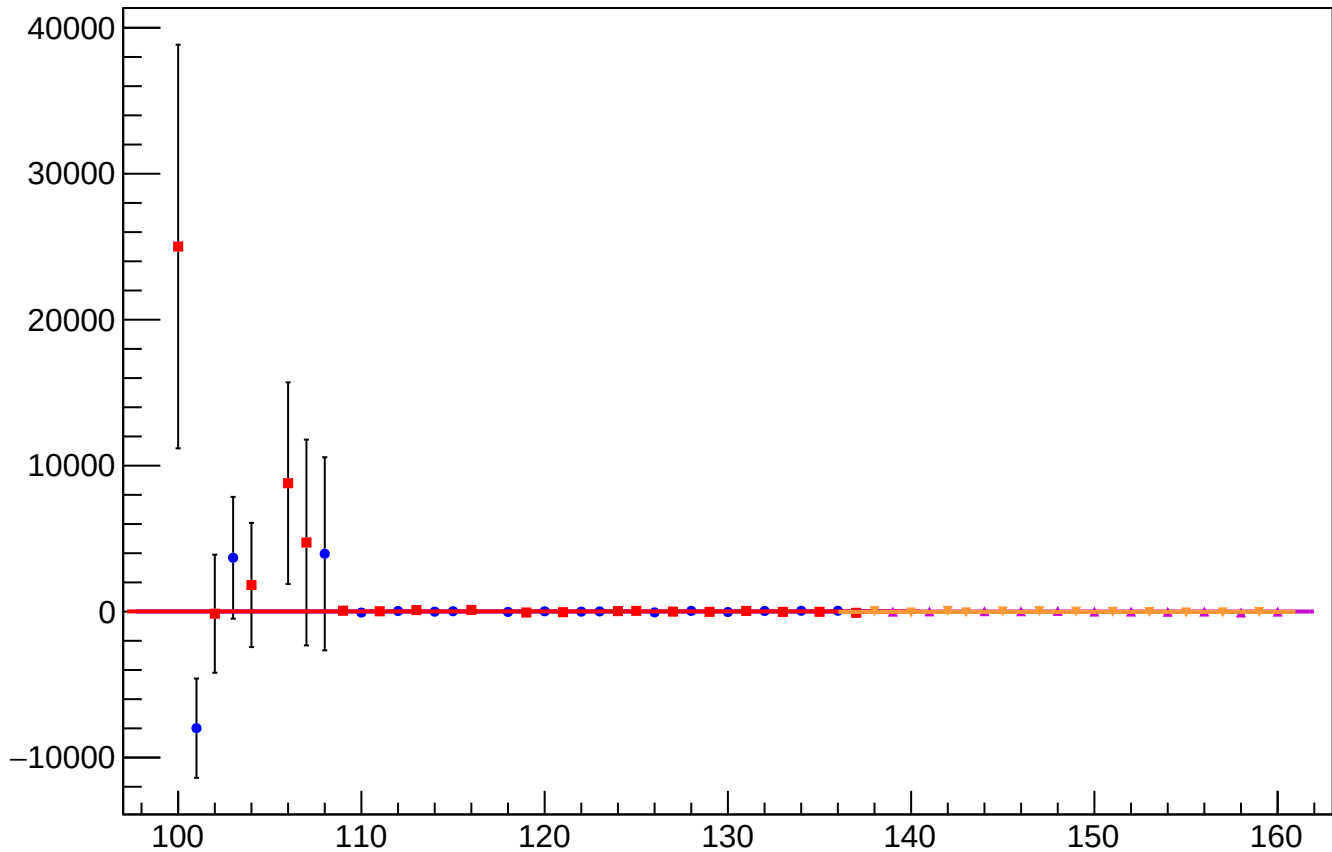
Left In: 182.318+/-0.046 χ^2/NDF : 1281474.6/10

213.841+/-0.042 χ^2/NDF : 4699669.0/28

193.501+/-0.027 χ^2/NDF : 10603603.5/58

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+/-12.282 χ^2/NDF : 18.4/16

Left Out: -19.409+/-10.000 χ^2/NDF : 11.9/11

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

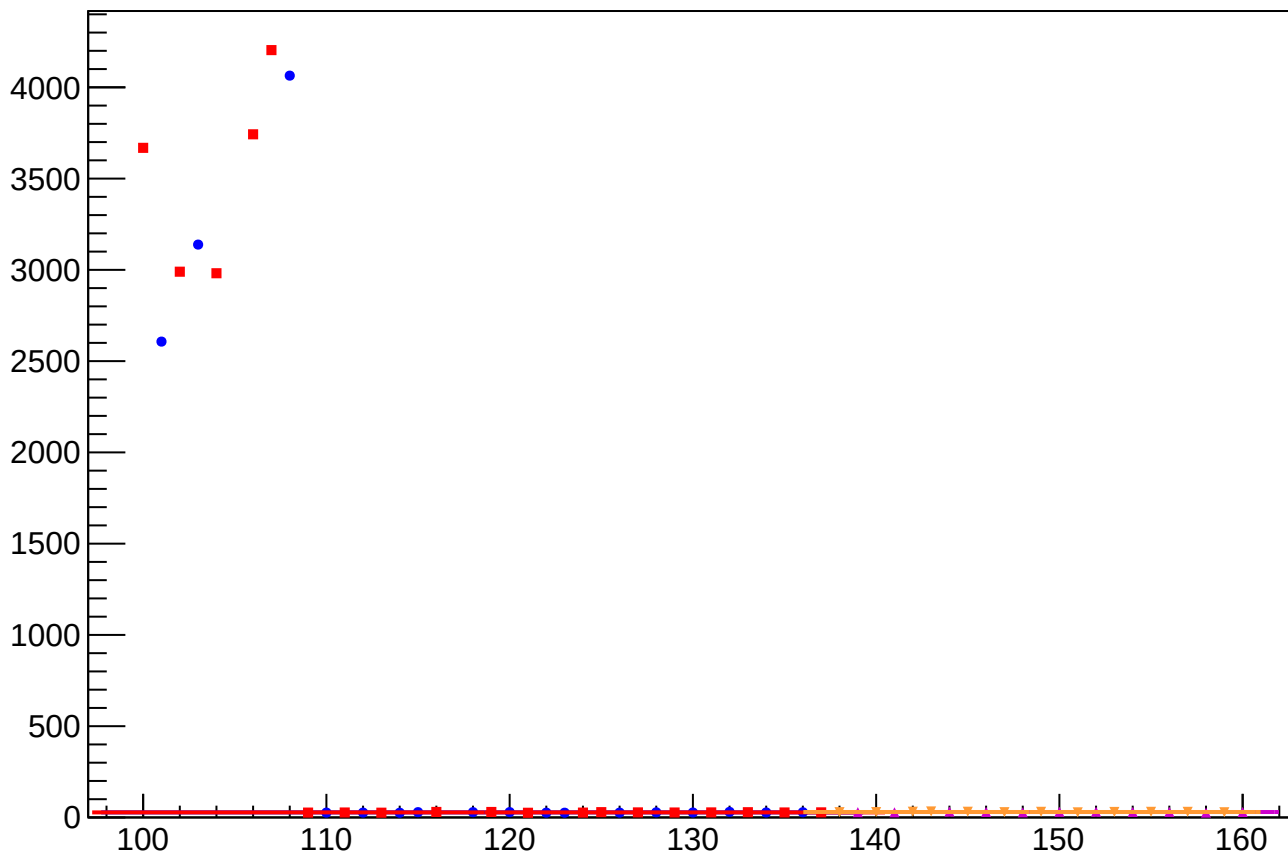
Left In: 6.509+/-9.949 χ^2/NDF : 8.5/10

-7.572+/-7.755 χ^2/NDF : 33.8/28

0.734+/-5.471 χ^2/NDF : 69.5/58

8.961+/-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: 29.895+/-0.007 χ^2/NDF : 36399.5/11

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

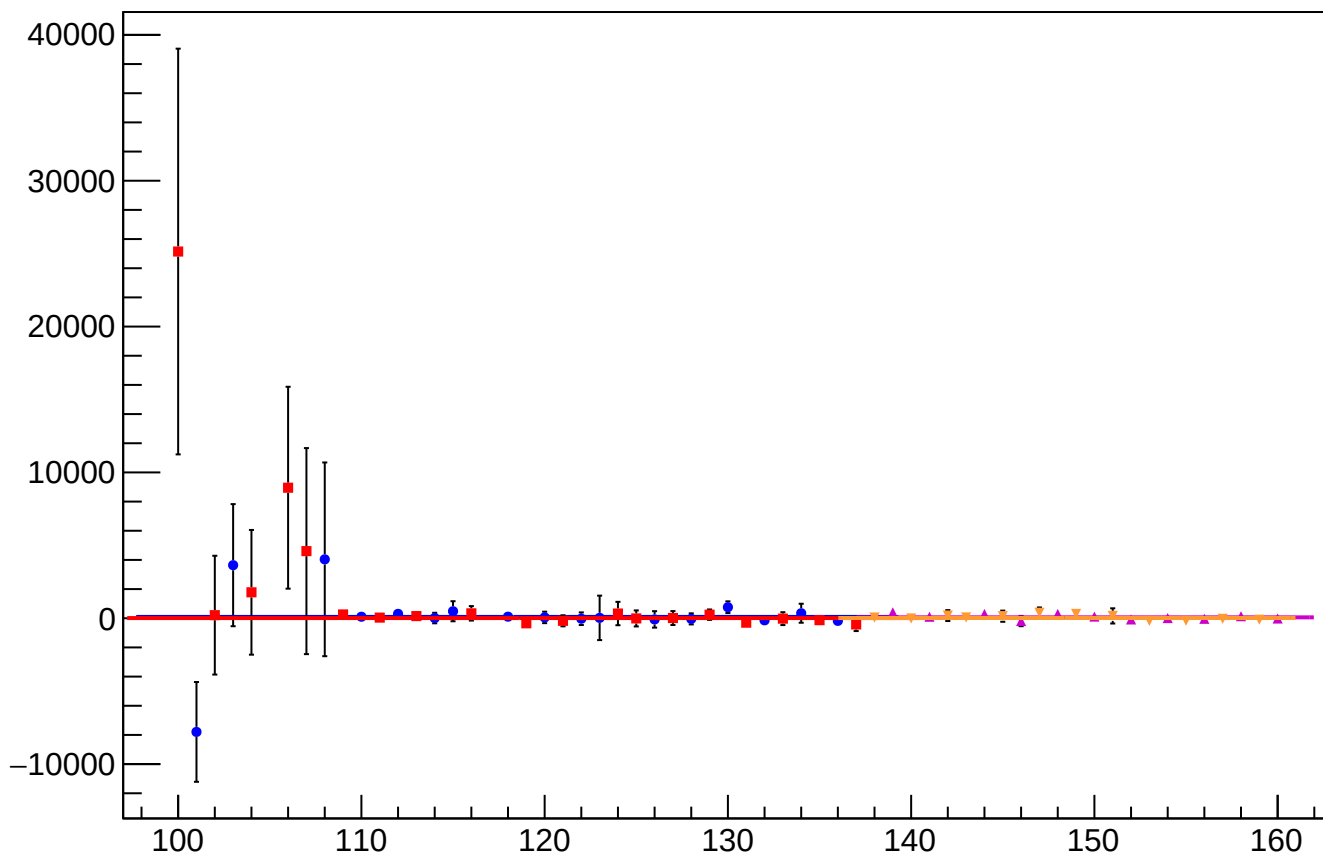
Left In: 29.730+/-0.007 χ^2/NDF : 57160.4/10

29.082+/-0.005 χ^2/NDF : 3097251.5/28

29.000+/-0.004 χ^2/NDF : 6665032.0/58

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+/-88.149 χ^2/NDF : 12.8/16

Left Out: 16.539+/-80.829 χ^2/NDF : 4.1/11

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

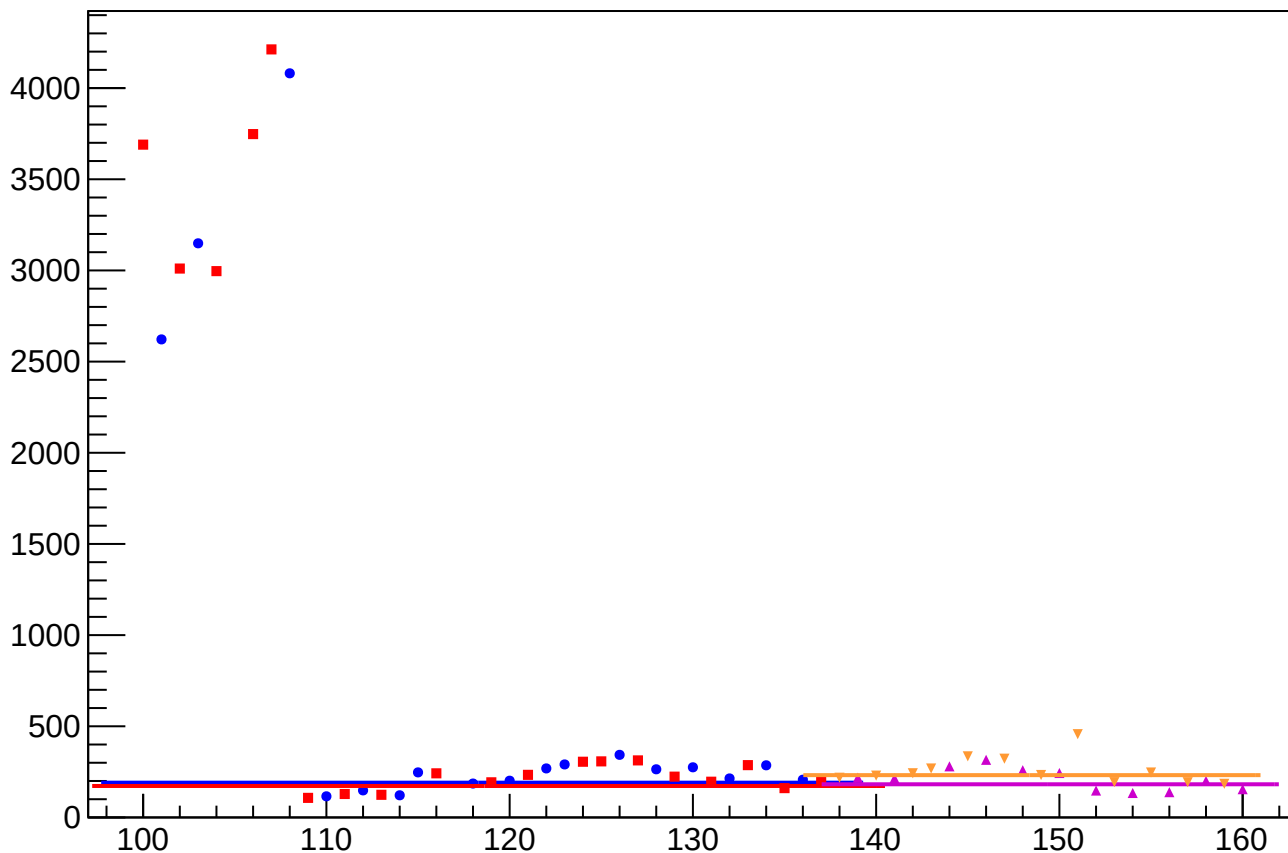
Left In: 61.421+/-65.232 χ^2/NDF : 4.8/10

50.447+/-59.575 χ^2/NDF : 17.3/28

45.792+/-38.623 χ^2/NDF : 35.0/58

42.417+/-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: 232.087 $\pm$ 0.057 χ^2 /NDF: 891269.5/11

Right Out: 172.629 $\pm$ 0.057 χ^2 /NDF: 4218625.1/18

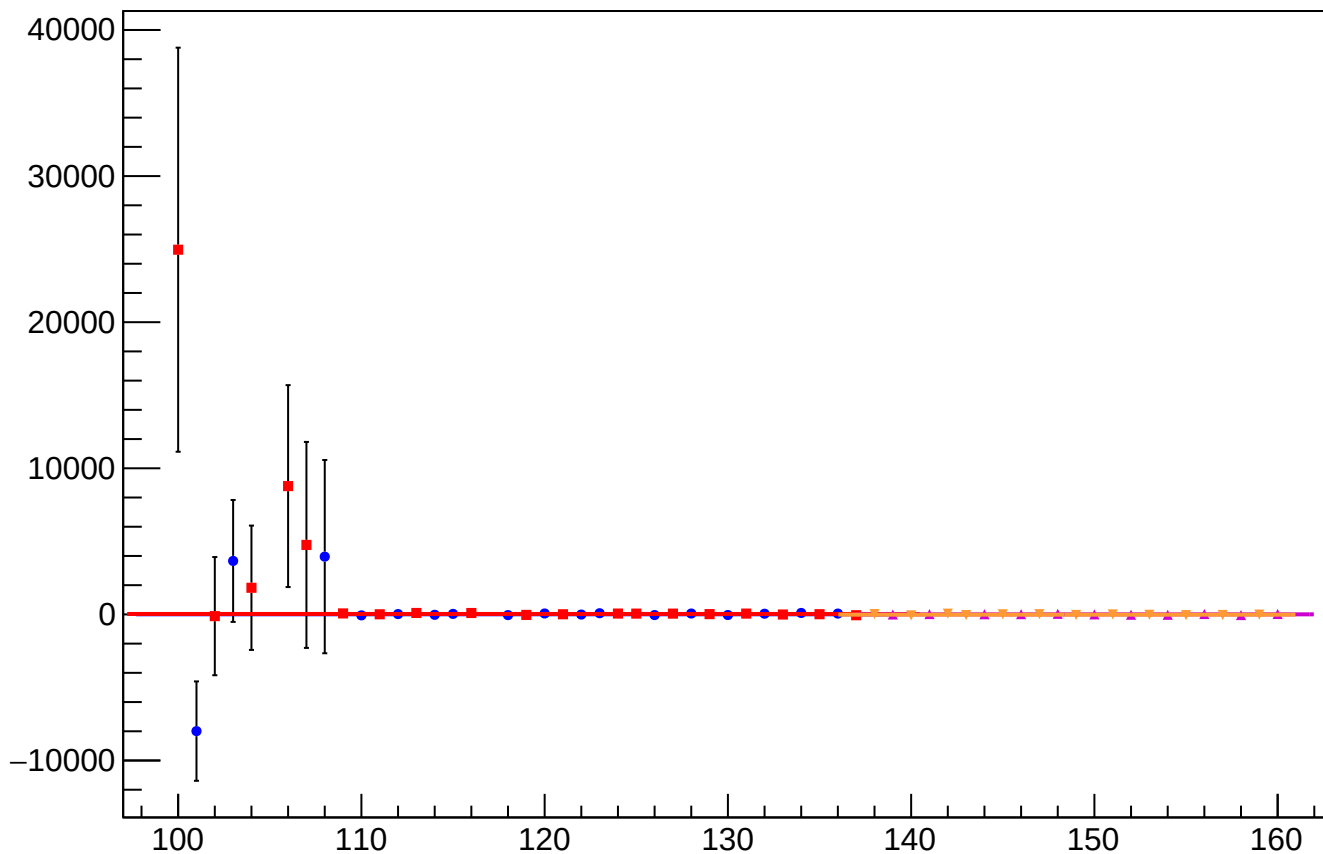
Left In: 181.954 $\pm$ 0.046 χ^2 /NDF: 1281649.7/10

213.214 $\pm$ 0.042 χ^2 /NDF: 4714998.7/28

192.956 $\pm$ 0.027 χ^2 /NDF: 10630365.5/58

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: -17.102+/-10.079 χ^2 /NDF: 8.8/11

Right Out: 29.397+/-12.333 χ^2 /NDF: 16.8/18

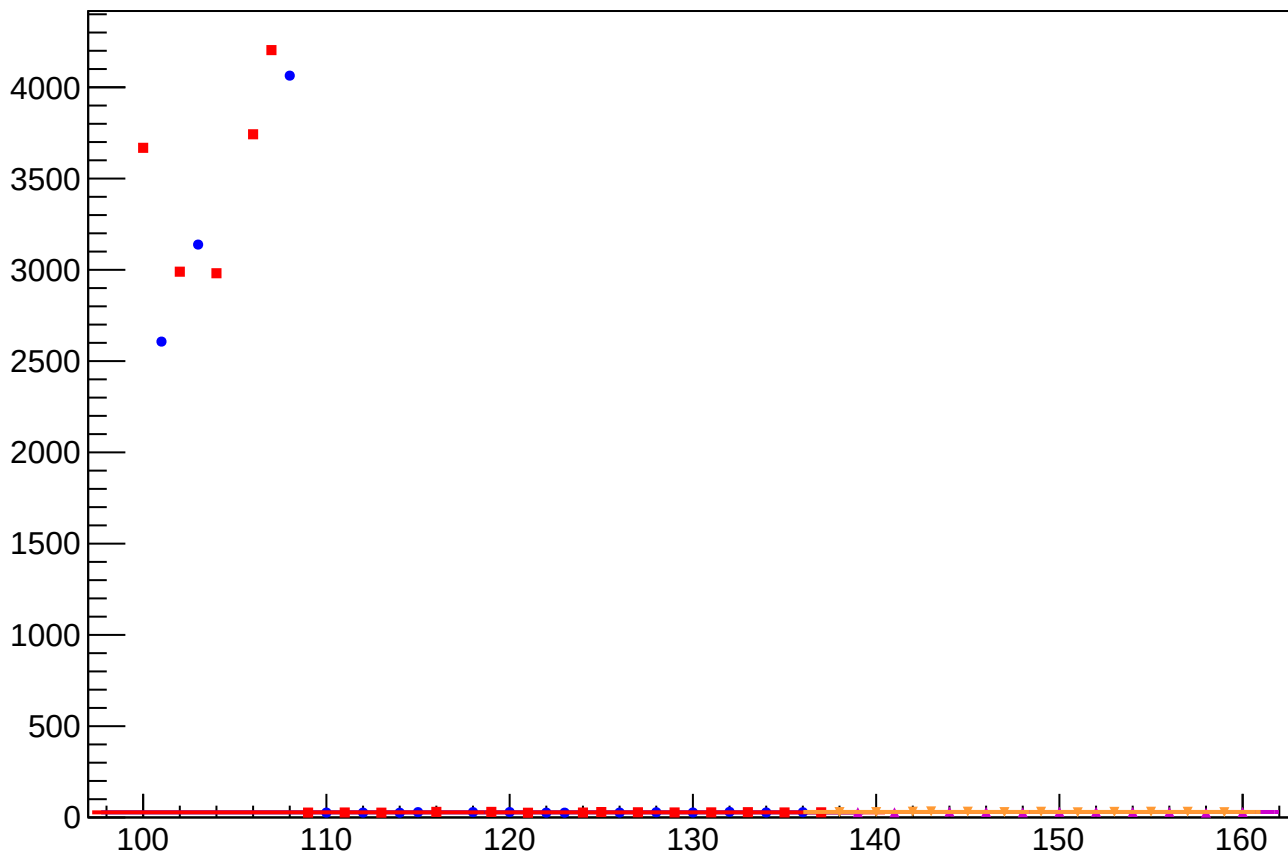
Left In: 3.729+/-10.009 χ^2 /NDF: 7.2/10

-6.844+/-7.813 χ^2 /NDF: 34.6/28

3.594+/-5.510 χ^2 /NDF: 64.7/58

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+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 30.128+/-0.007 χ^2/NDF : 38258.1/11

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

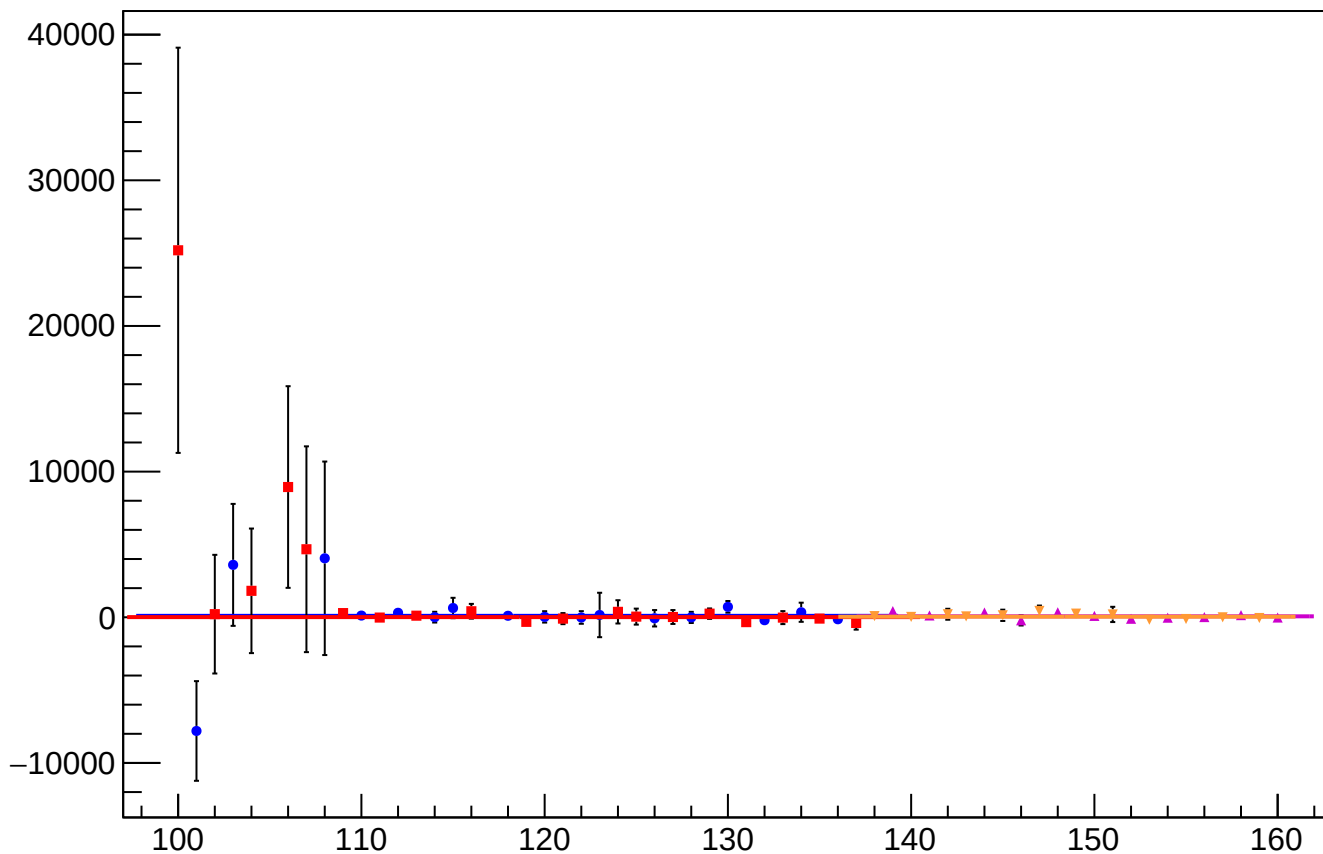
Left In: 29.911+/-0.007 χ^2/NDF : 59033.6/10

29.296+/-0.006 χ^2/NDF : 3100293.8/28

29.208+/-0.004 χ^2/NDF : 6671028.6/58

29.120+/-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: 41.338 $\pm$ 81.809 χ^2 /NDF: 3.5/11

Right Out: 11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

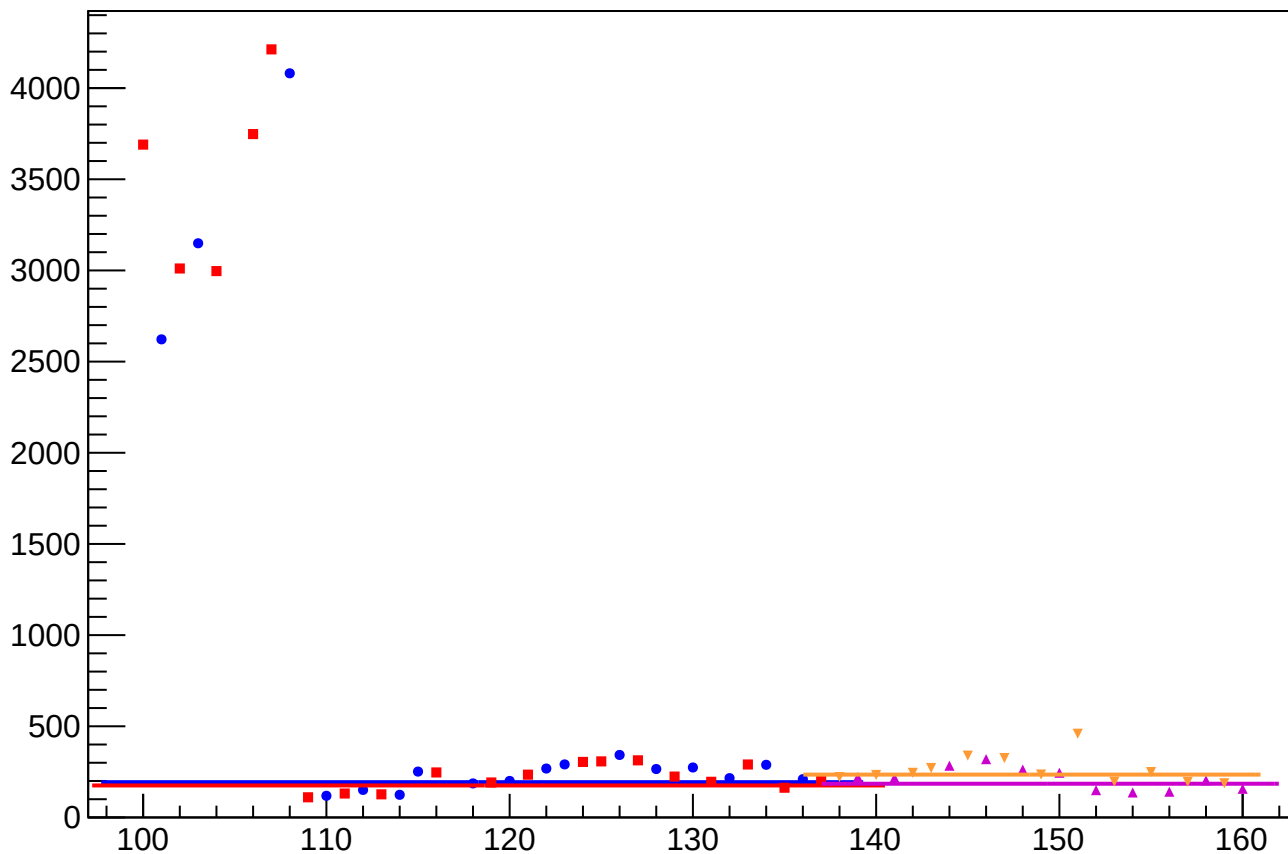
Left In: 65.204 $\pm$ 66.212 χ^2 /NDF: 5.5/10

67.288 $\pm$ 60.292 χ^2 /NDF: 16.2/28

53.831 $\pm$ 39.141 χ^2 /NDF: 34.4/58

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: 235.037+/-0.058 χ^2/NDF : 881309.4/11

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

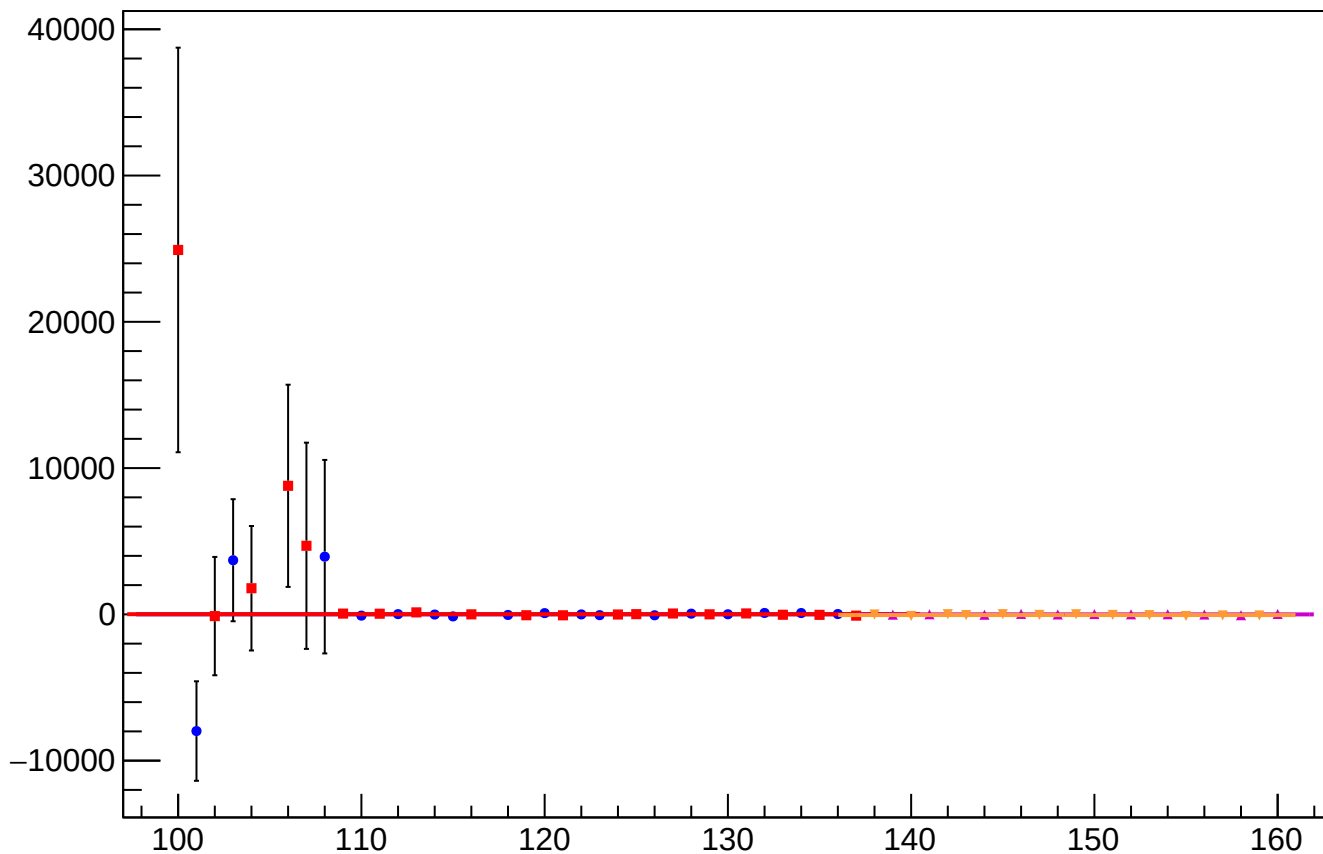
Left In: 184.922+/-0.047 χ^2/NDF : 1256501.4/10

216.069+/-0.043 χ^2/NDF : 4653612.1/28

195.892+/-0.028 χ^2/NDF : 10478826.2/58

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: -45.805 $\pm$ 11.828 χ^2 /NDF: 11.7/11

Right Out: 12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

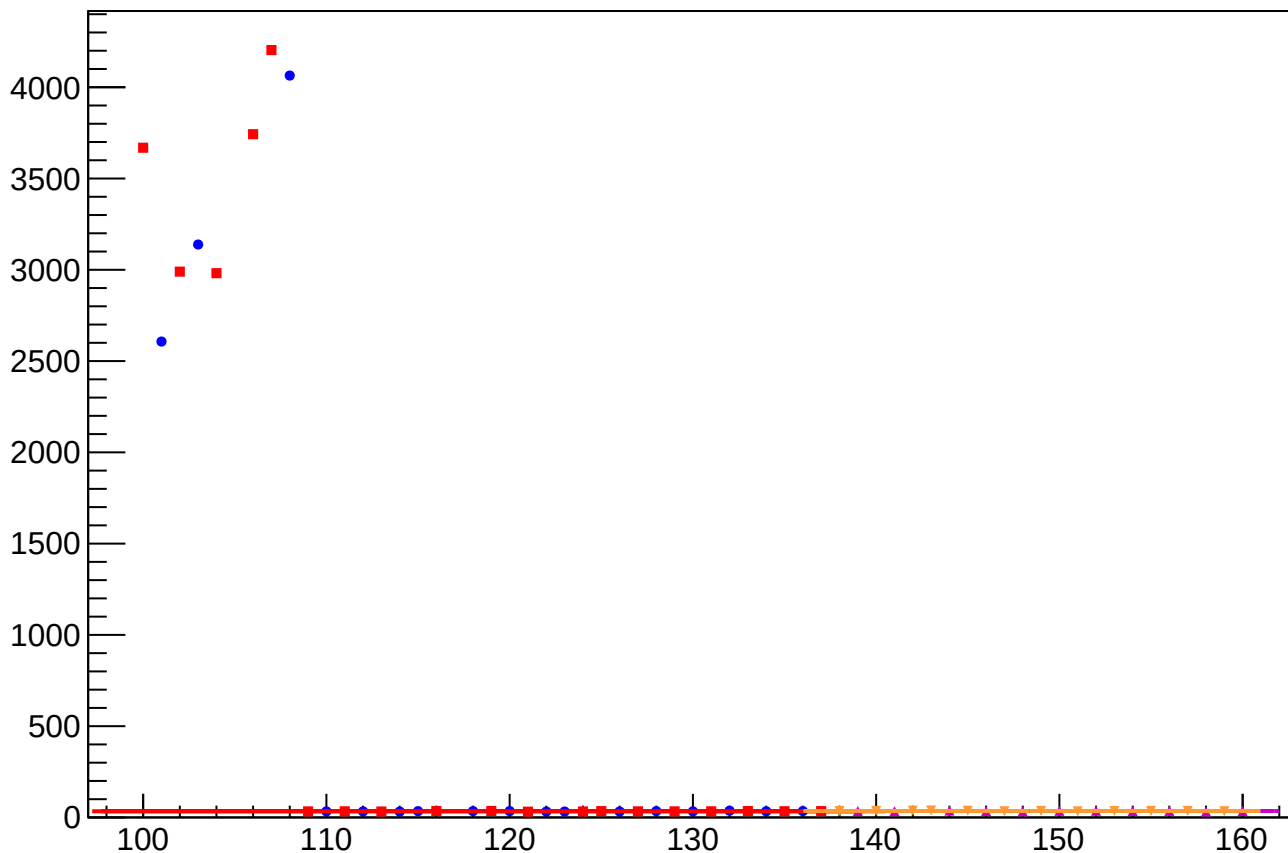
Left In: -1.465 $\pm$ 11.798 χ^2 /NDF: 4.8/10

-26.194 $\pm$ 9.300 χ^2 /NDF: 39.3/28

-11.155 $\pm$ 6.563 χ^2 /NDF: 71.7/58

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+/-0.011 χ^2/NDF : 3006512.8/16

Left Out: 35.404+/-0.008 χ^2/NDF : 22047.8/11

Right Out: 33.913+/-0.011 χ^2/NDF : 3451912.6/18

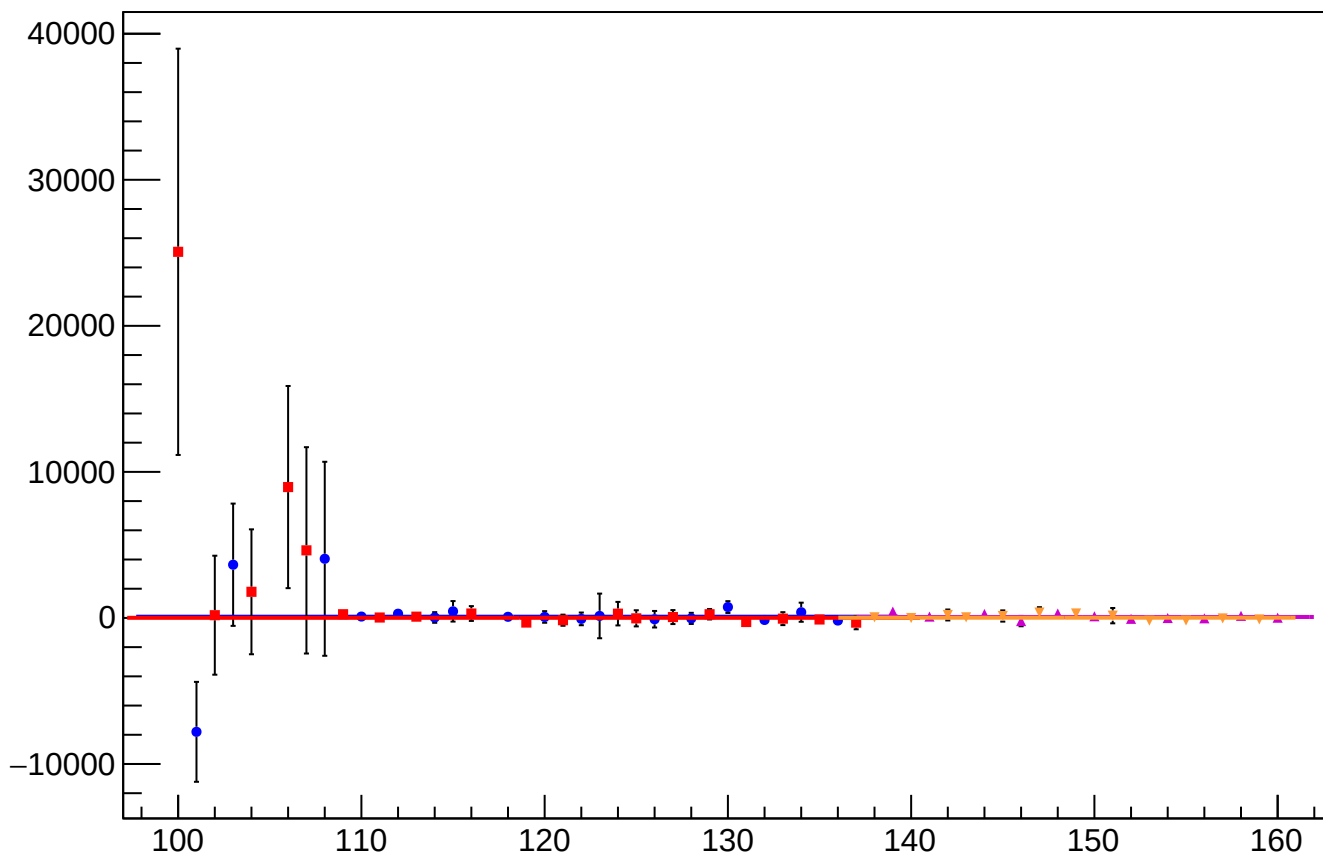
Left In: 35.324+/-0.008 χ^2/NDF : 24670.7/10

34.932+/-0.007 χ^2/NDF : 3036909.3/28

34.857+/-0.005 χ^2/NDF : 6524732.3/58

34.782+/-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: 16.306+/-81.530 χ^2/NDF : 4.2/11

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

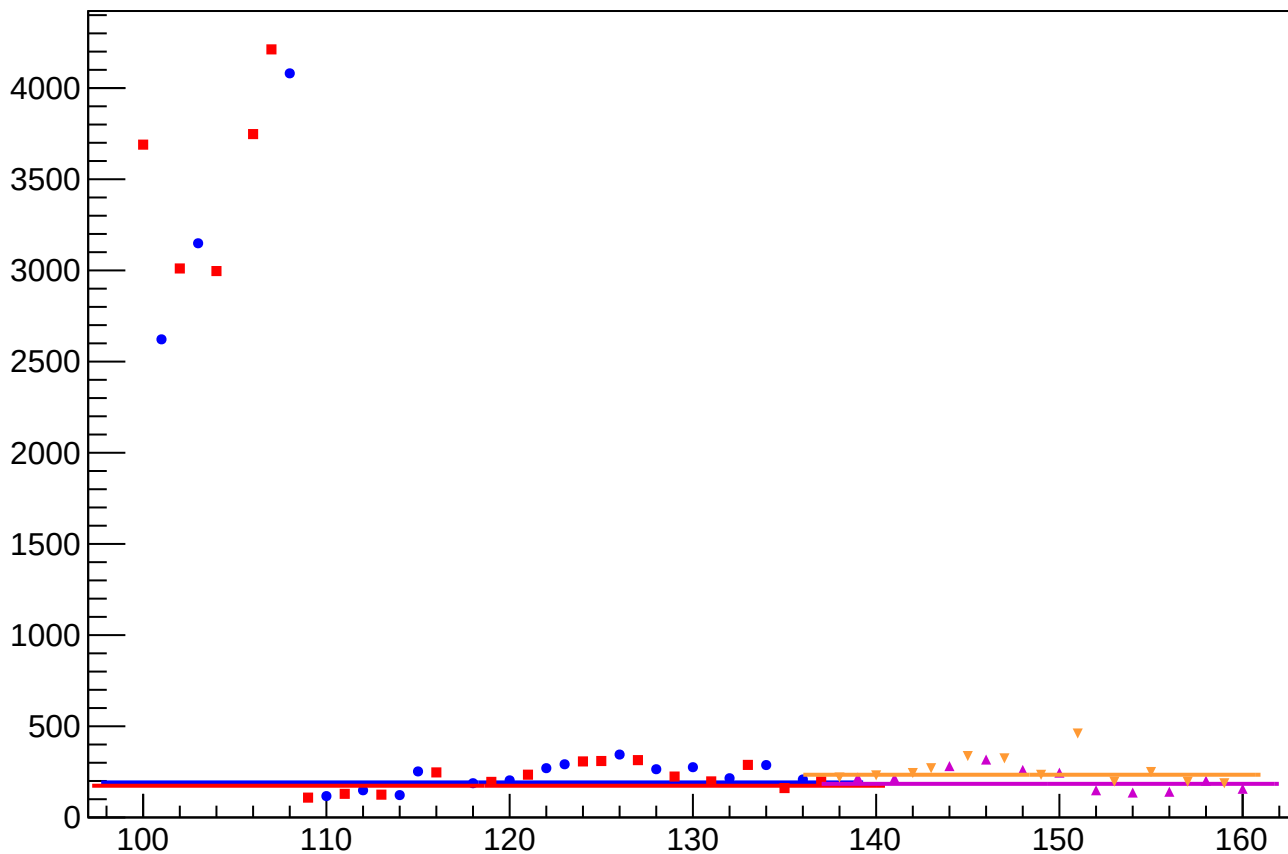
Left In: 66.000+/-65.985 χ^2/NDF : 4.9/10

47.520+/-60.040 χ^2/NDF : 17.0/28

45.006+/-38.968 χ^2/NDF : 33.2/58

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: 234.254 ± 0.058 χ^2/NDF : 875021.2/11

Right Out: 173.961 ± 0.057 χ^2/NDF : 4211616.2/18

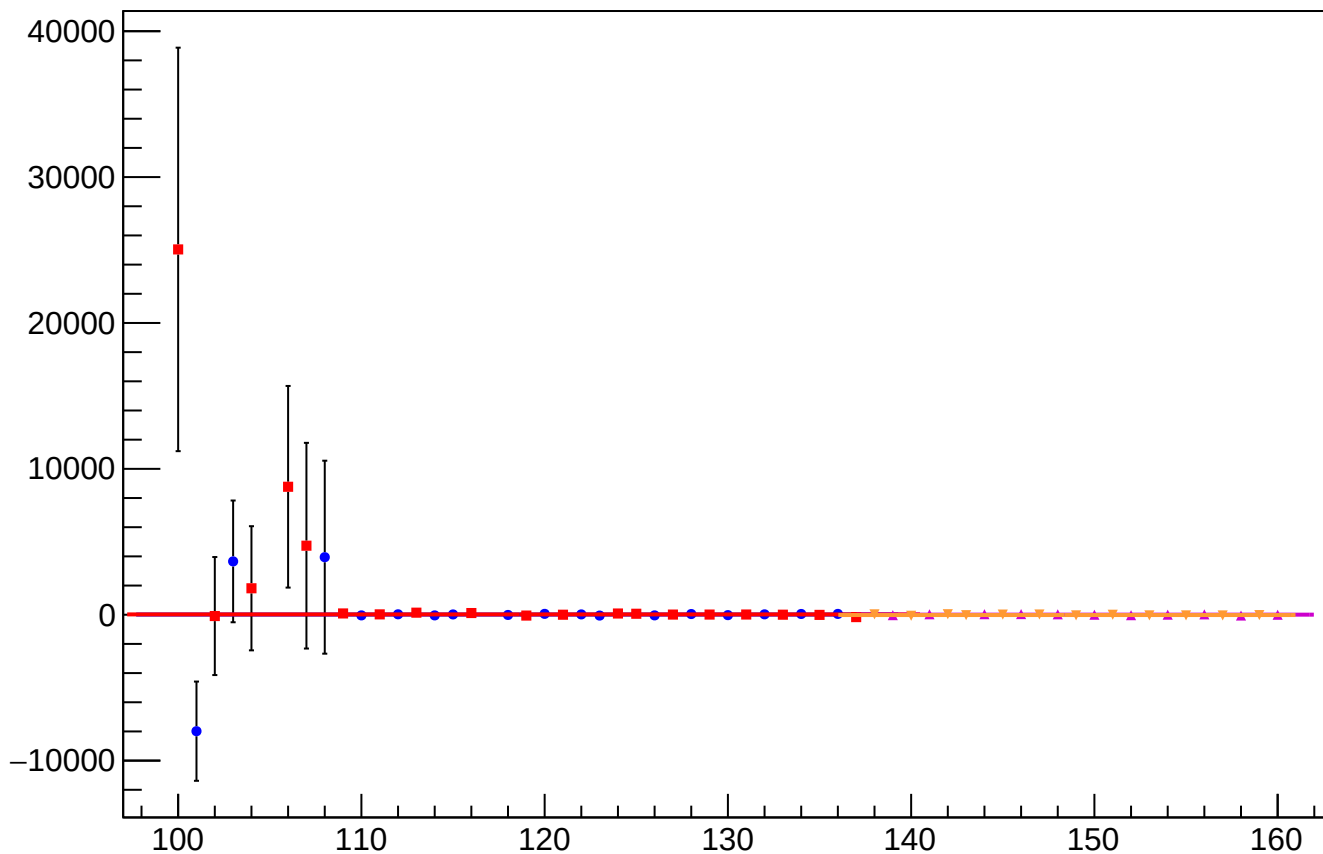
Left In: 184.320 ± 0.047 χ^2/NDF : 1241561.8/10

214.996 ± 0.042 χ^2/NDF : 4693460.1/28

194.860 ± 0.028 χ^2/NDF : 10554919.3/58

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: -21.204+/-10.761 χ^2/NDF : 8.8/11

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

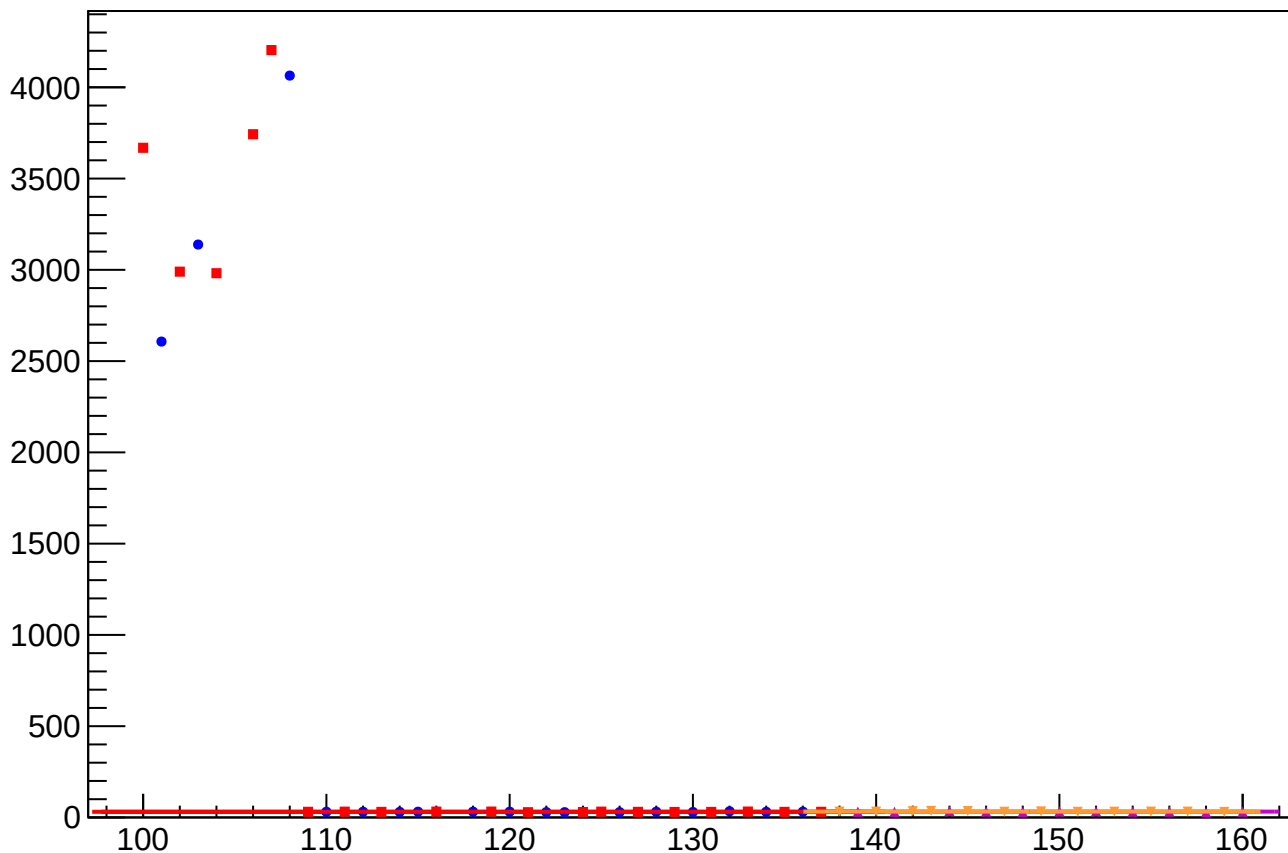
Left In: 4.976+/-10.697 χ^2/NDF : 8.7/10

-8.276+/-8.468 χ^2/NDF : 27.3/28

1.758+/-5.971 χ^2/NDF : 67.8/58

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: 32.174+/-0.008 χ^2/NDF : 40766.6/11

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

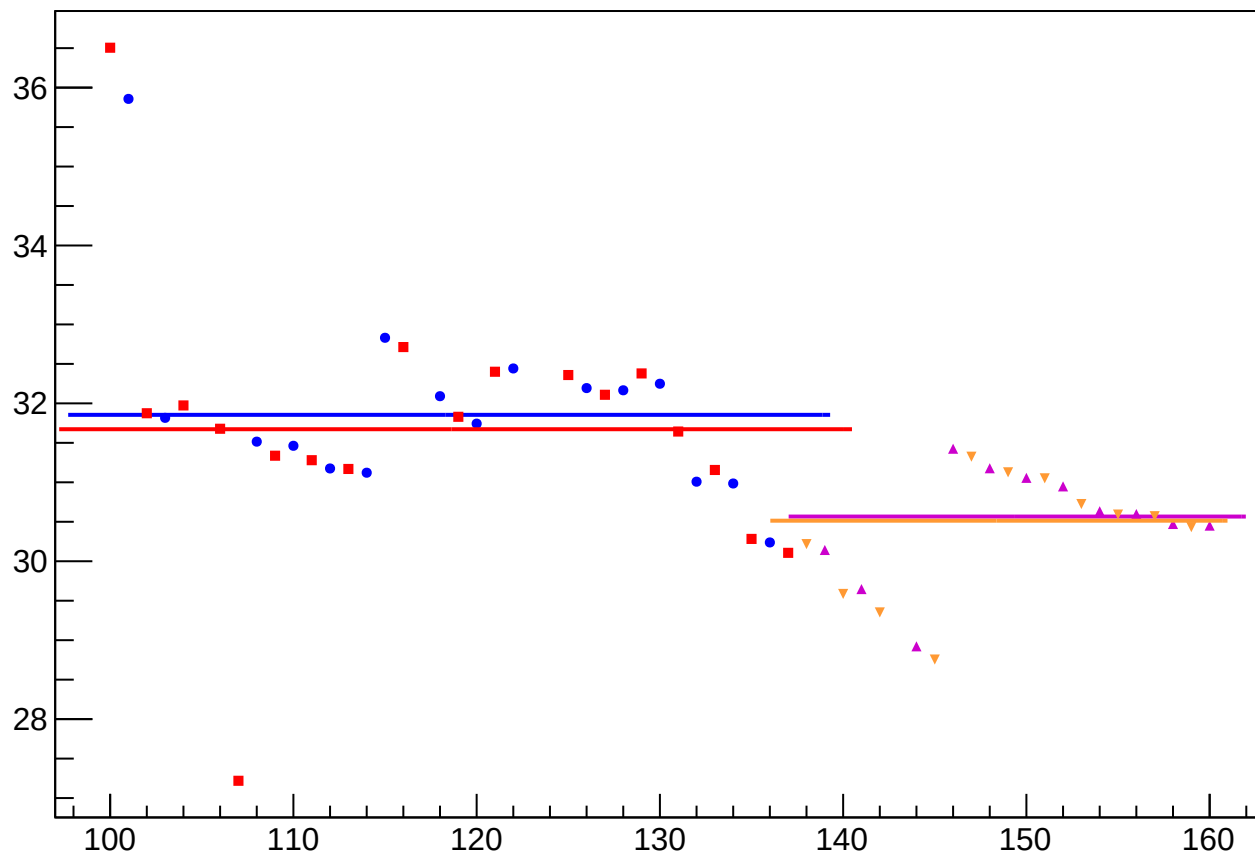
Left In: 31.966+/-0.008 χ^2/NDF : 53200.2/10

31.785+/-0.006 χ^2/NDF : 3062138.0/28

31.684+/-0.004 χ^2/NDF : 6581521.3/58

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: 30.514+/-0.000 χ^2/NDF : 587636175.6/10

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

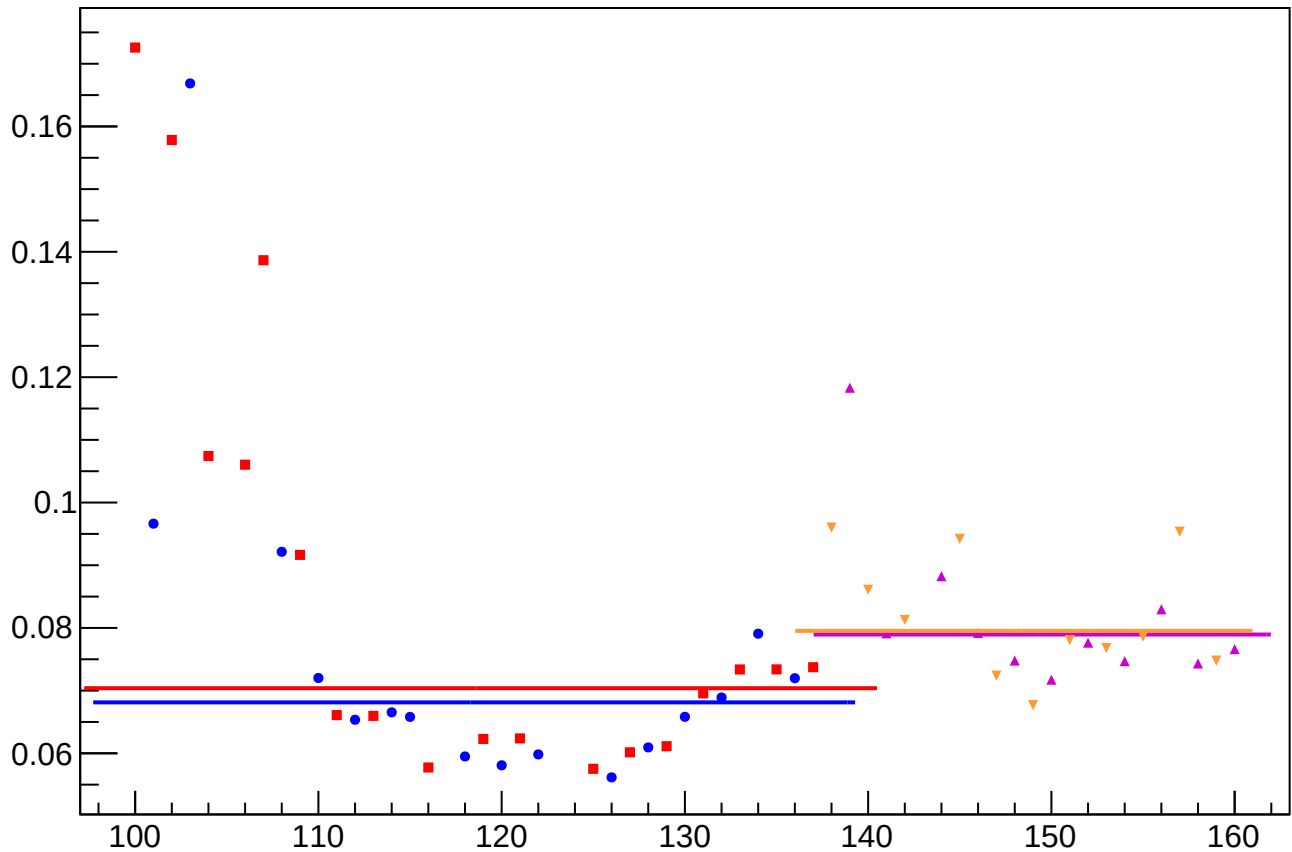
Left In: 30.566+/-0.000 χ^2/NDF : 564589714.0/10

31.206+/-0.000 χ^2/NDF : 3239532284.5/26

31.151+/-0.000 χ^2/NDF : 5496073970.9/5

31.097+/-0.000 χ^2/NDF : 2242047161.4/28

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.080 $\pm$ 0.000 χ^2/NDF : 185128.9/10

Right Out: 0.070 $\pm$ 0.000 χ^2/NDF : 841320.1/17

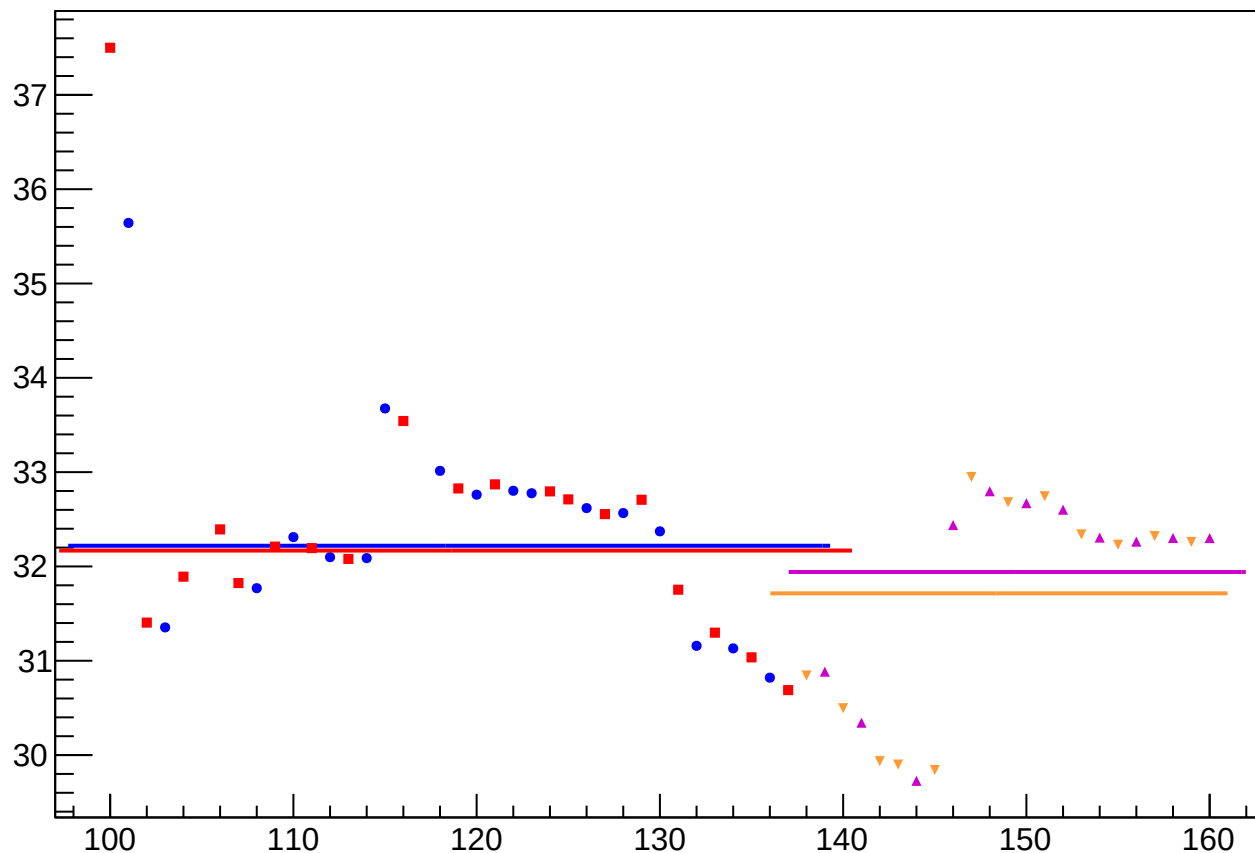
Left In: 0.079 $\pm$ 0.000 χ^2/NDF : 207740.8/10

0.074 $\pm$ 0.000 χ^2/NDF : 971398.5/26

0.074 $\pm$ 0.000 χ^2/NDF : 2114983.8/55

0.075 $\pm$ 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: 31.715 $\pm$ 0.000 χ^2/NDF : 1739966097.0/11

Right Out: 32.168 $\pm$ 0.000 χ^2/NDF : 442298310.3/18

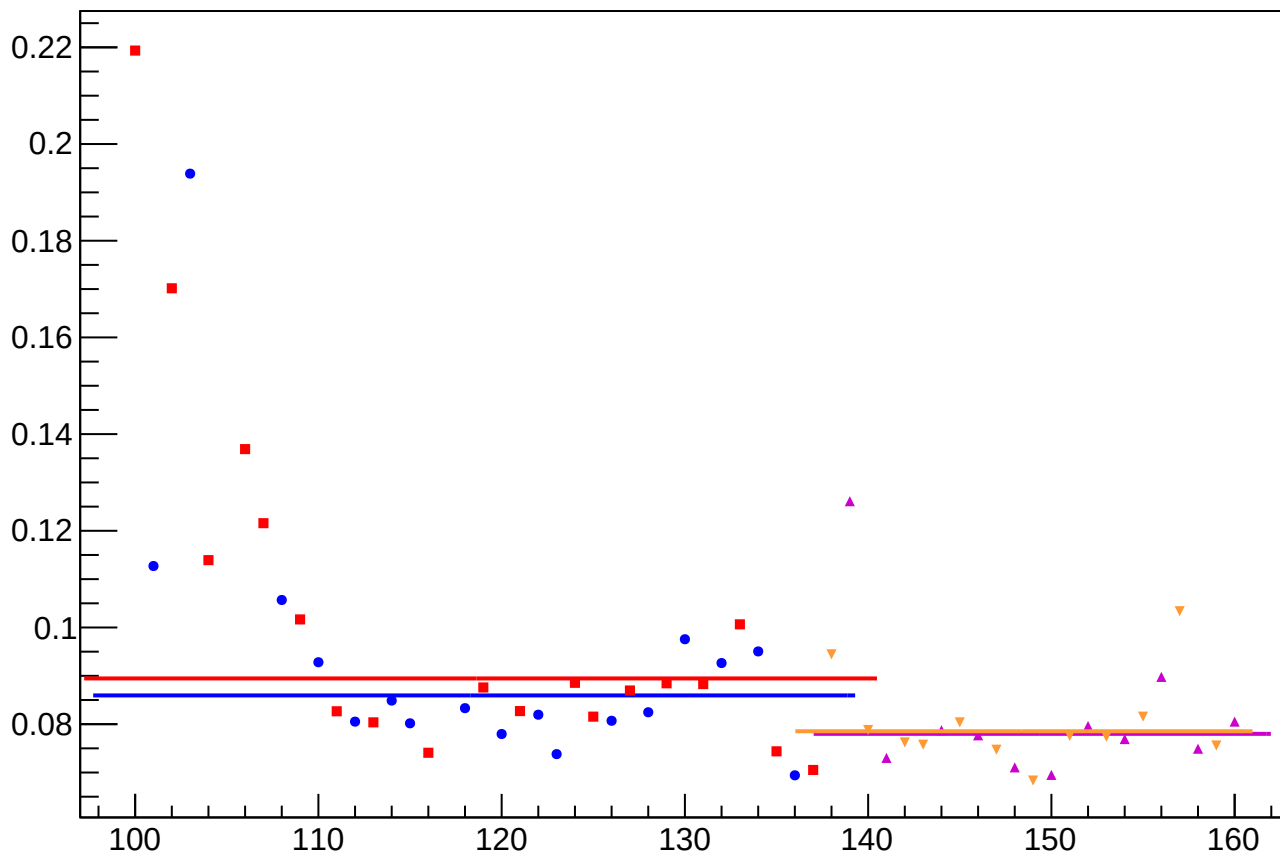
Left In: 31.941 $\pm$ 0.000 χ^2/NDF : 1376640128.5/10

31.905 $\pm$ 0.000 χ^2/NDF : 2878485168.0/28

31.965 $\pm$ 0.000 χ^2/NDF : 4737513626.1/5

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: 0.079 ± 0.000 χ^2/NDF : 157563.4/11

Right Out: 0.089 ± 0.000 χ^2/NDF : 539869.9/18

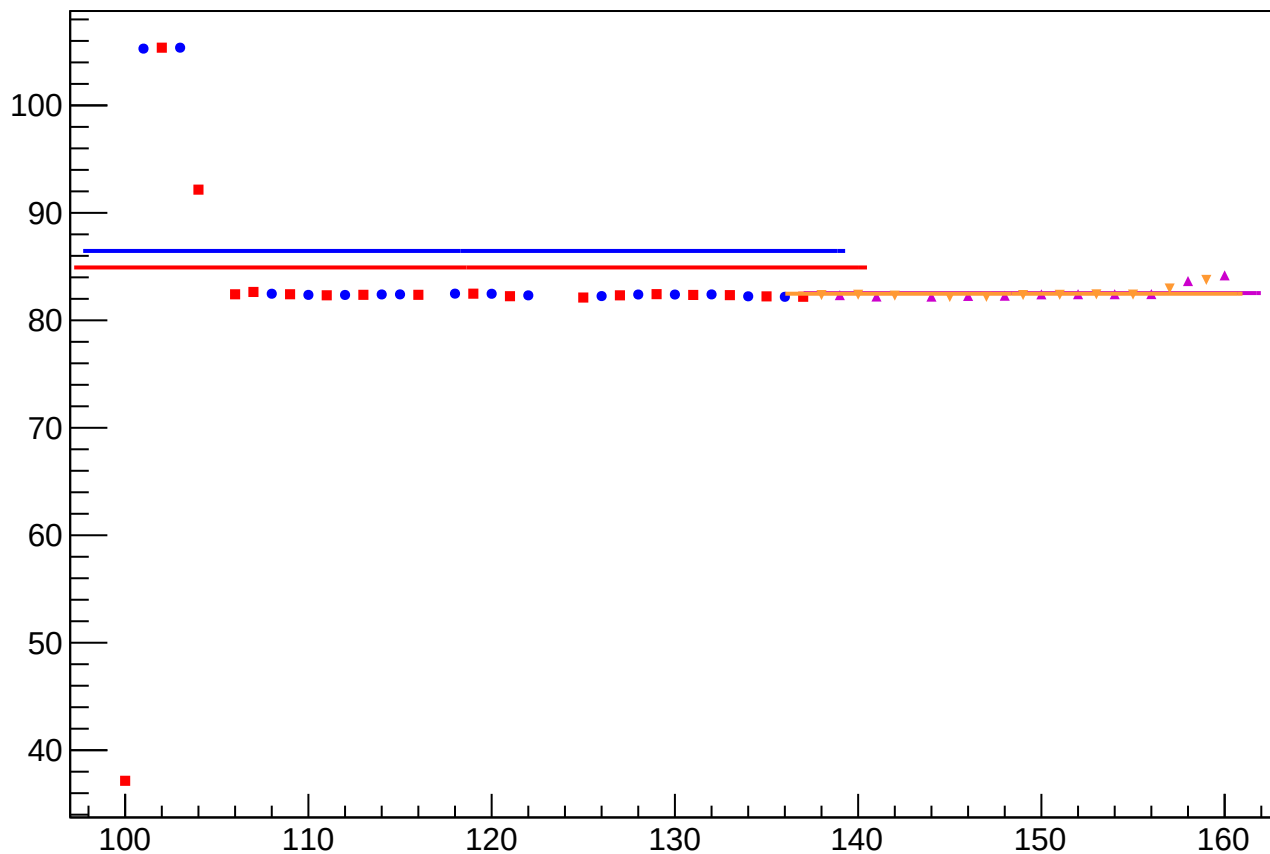
Left In: 0.078 ± 0.000 χ^2/NDF : 279599.7/10

0.081 ± 0.000 χ^2/NDF : 764585.0/28

0.082 ± 0.000 χ^2/NDF : 1713857.8/58

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: 82.477 $\pm$ 0.000 χ^2/NDF : 657415263.5/10

Right Out: 84.920 $\pm$ 0.000 χ^2/NDF : 172195187677.7/17

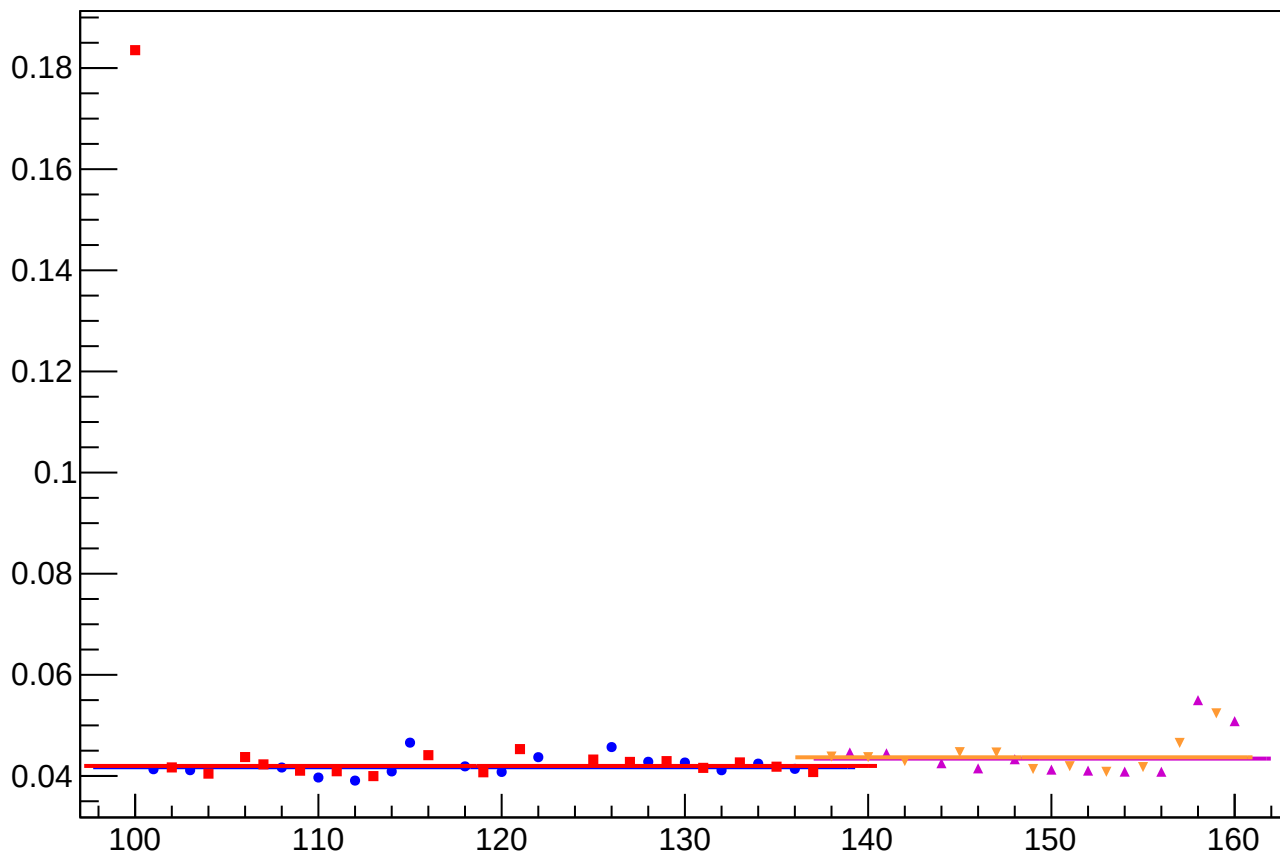
Left In: 82.536 $\pm$ 0.000 χ^2/NDF : 1326885304.7/10

84.346 $\pm$ 0.000 χ^2/NDF : 323730061620.3/26

83.973 $\pm$ 0.000 χ^2/NDF : 511494240650.7

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 : 69571.6/10

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

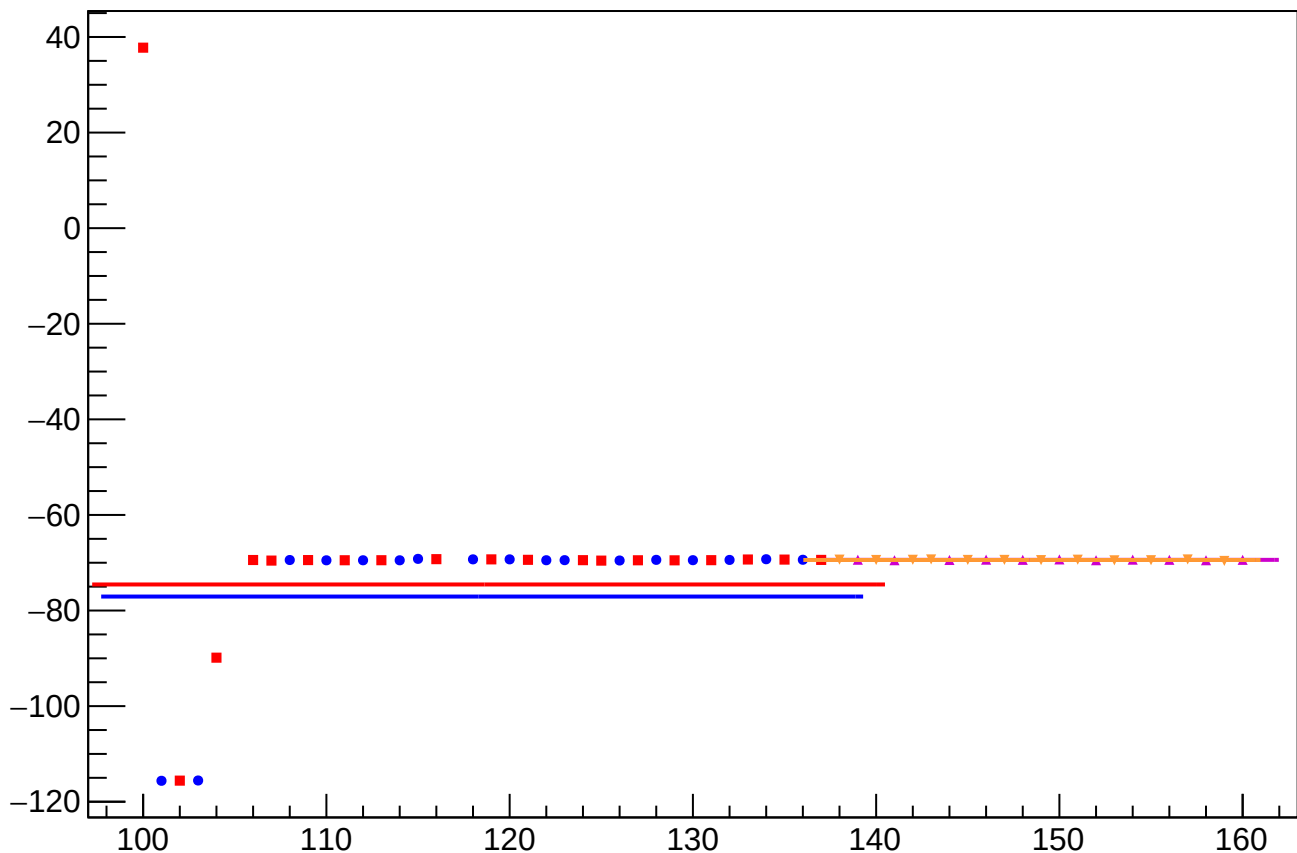
Left In: 0.043+/-0.000 χ^2/NDF : 132105.8/10

0.043+/-0.000 χ^2/NDF : 103828.7/26

0.043+/-0.000 χ^2/NDF : 341772.5/55

0.043+/-0.000 χ^2/NDF : 237943.7/28

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074 $\pm$ 0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.424 $\pm$ 0.000 χ^2/NDF : 20231578.0/11

Right Out: -74.547 $\pm$ 0.000 χ^2/NDF : 371890102737.4/18

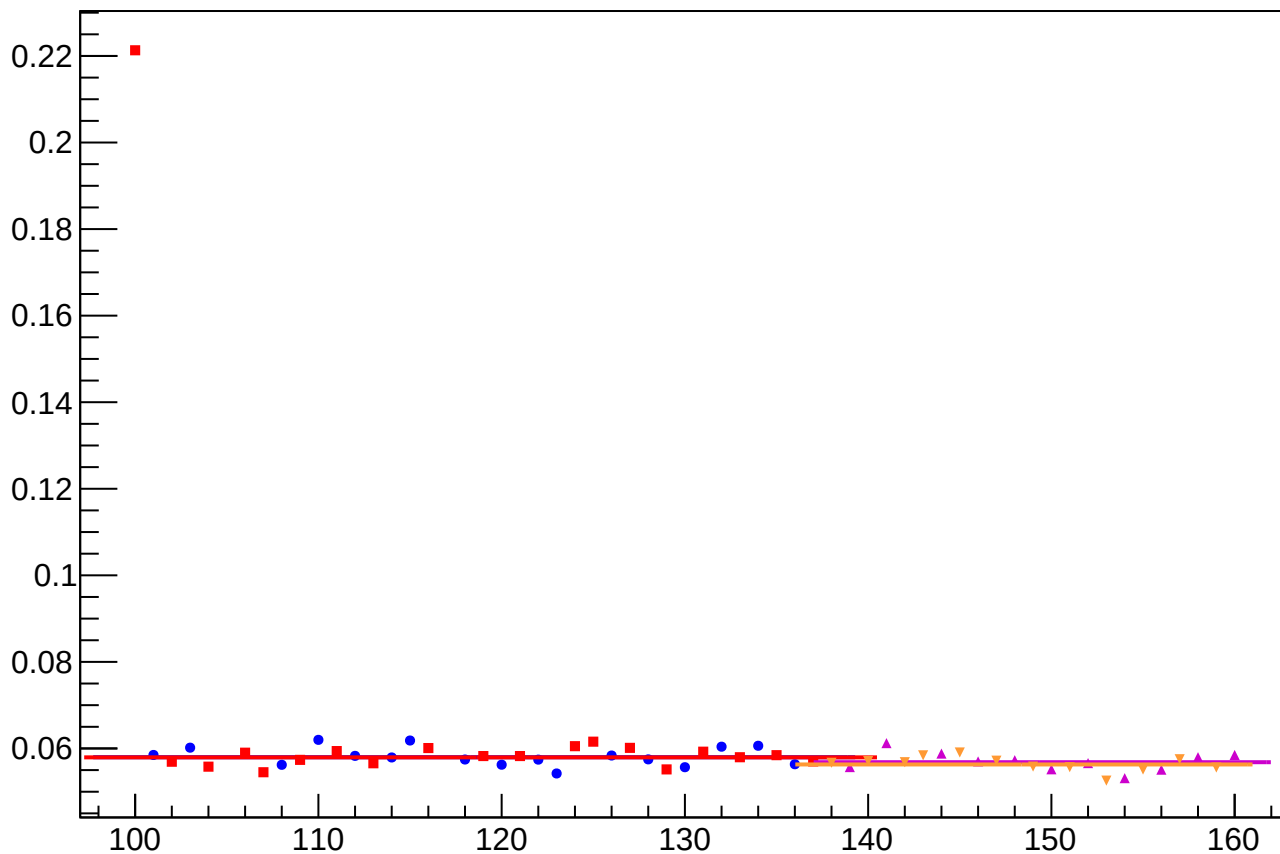
Left In: -69.396 $\pm$ 0.000 χ^2/NDF : 7546841.4/10

-72.577 $\pm$ 0.000 χ^2/NDF : 631301547676.8/28

-72.095 $\pm$ 0.000 χ^2/NDF : 103611230859

-71.621 $\pm$ 0.000 χ^2/NDF : 402672112361.2/29

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 ± 0.000 $\chi^2/\text{NDF}: 12275.6/16$

Left Out: 0.056 ± 0.000 $\chi^2/\text{NDF}: 15431.2/11$

Right Out: 0.058 ± 0.000 $\chi^2/\text{NDF}: 86466.5/18$

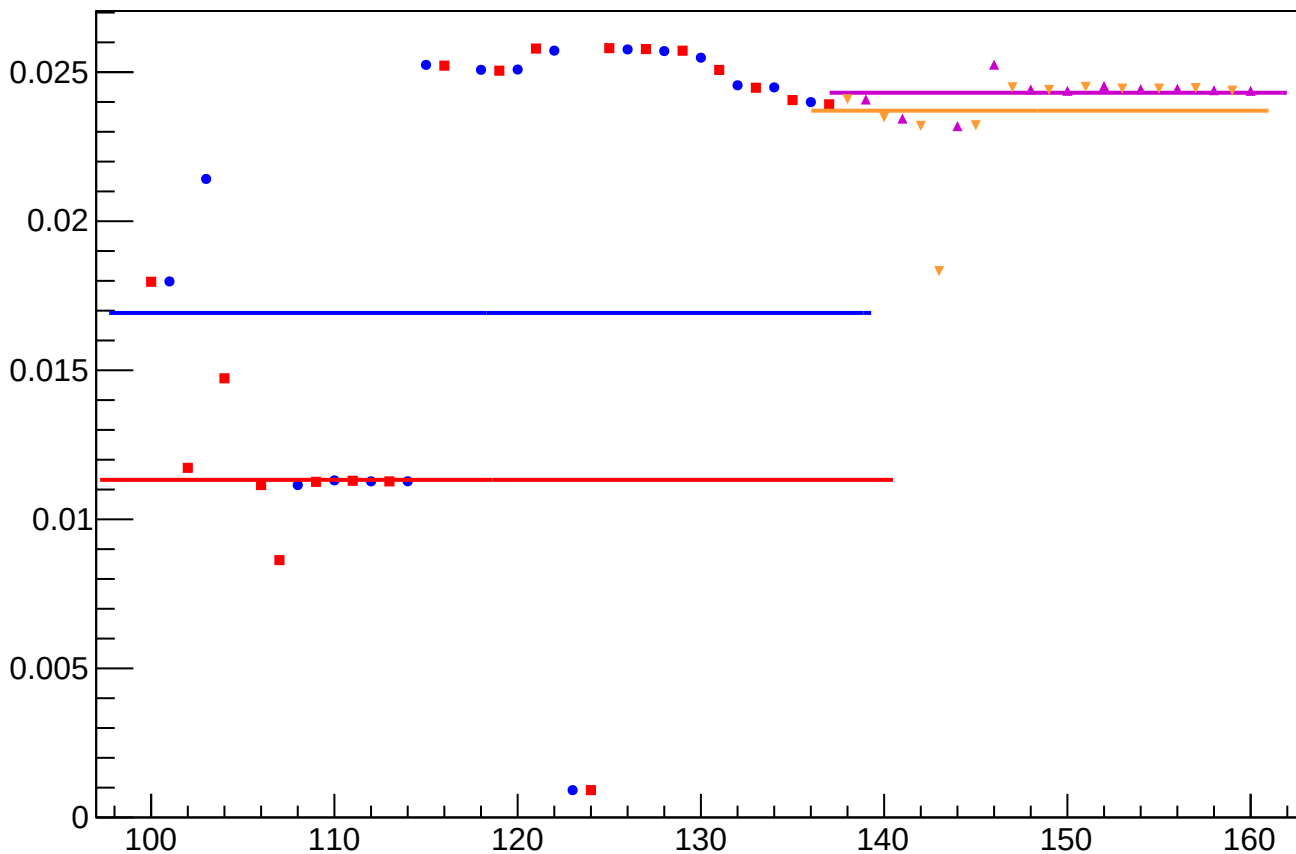
Left In: 0.057 ± 0.000 $\chi^2/\text{NDF}: 23786.7/10$

0.057 ± 0.000 $\chi^2/\text{NDF}: 33986.3/28$

0.057 ± 0.000 $\chi^2/\text{NDF}: 147613.2/58$

0.057 ± 0.000 $\chi^2/\text{NDF}: 113159.1/29$

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: 4931190462.7/11

0.020 $\pm$ 0.000 χ^2 /NDF: 170058192793.0/28

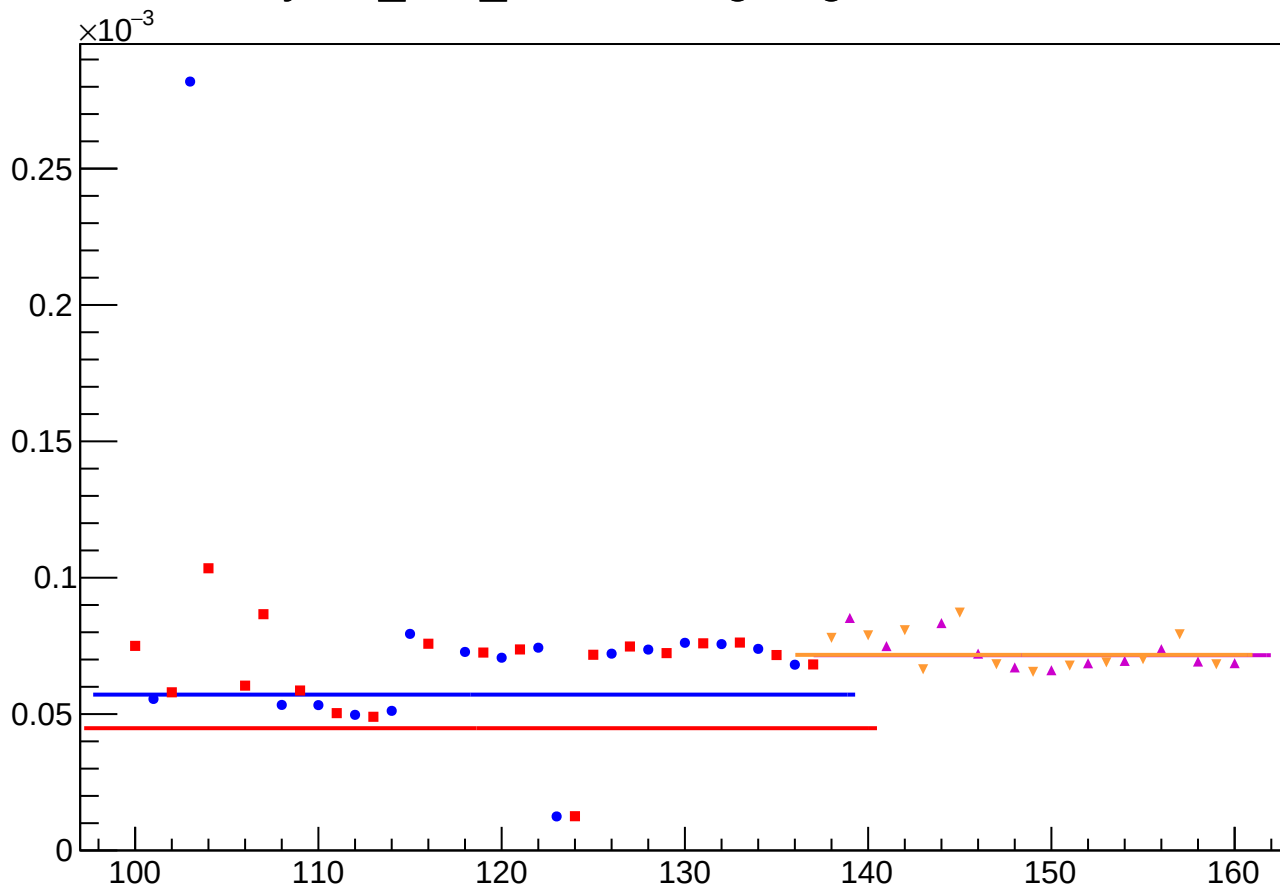
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

0.018 $\pm$ 0.000 χ^2 /NDF: 597327050253.3/29

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 : 130461.2/11

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

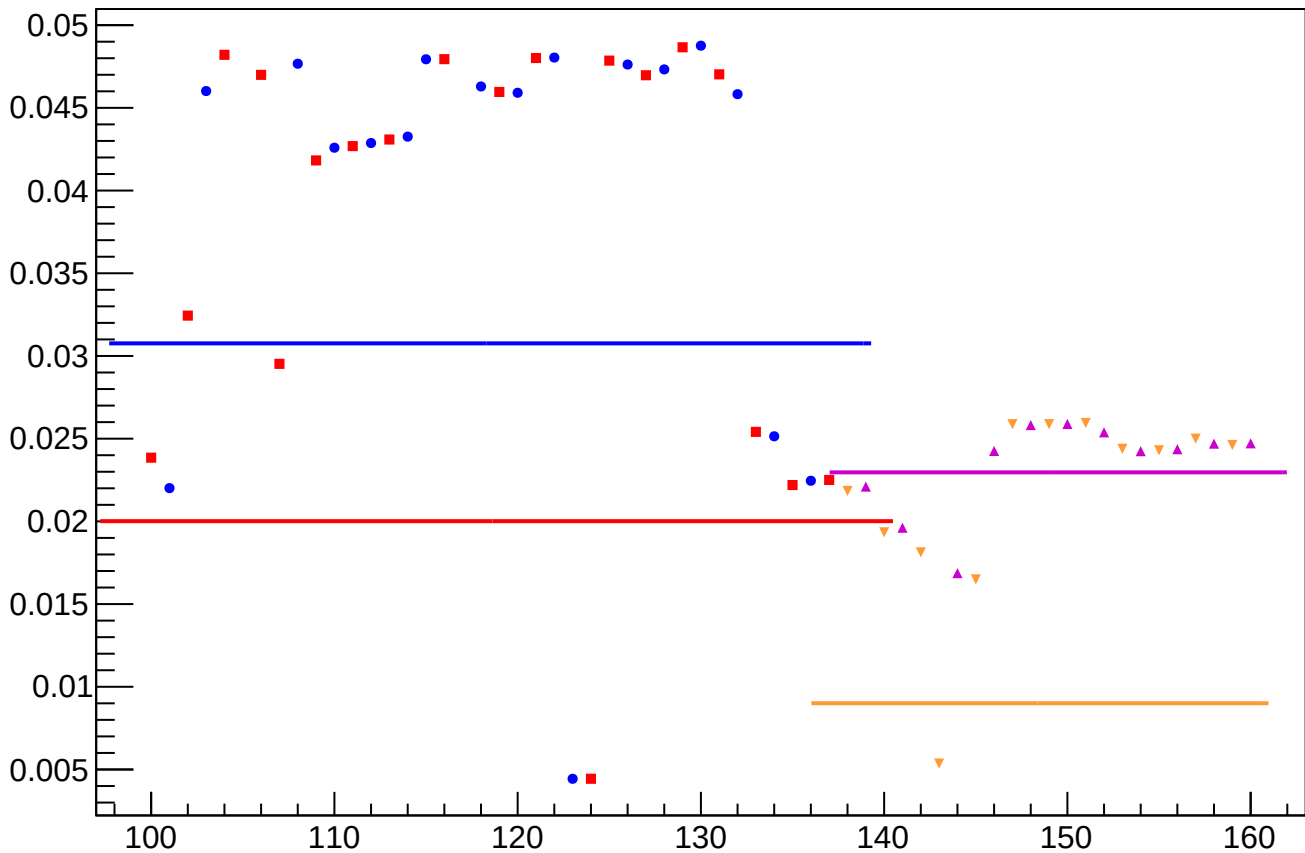
Left In: 0.000+/-0.000 χ^2/NDF : 102533.7/10

0.000+/-0.000 χ^2/NDF : 2488128.0/28

0.000+/-0.000 χ^2/NDF : 7878043.7/58

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 : 23096749798.2/11

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

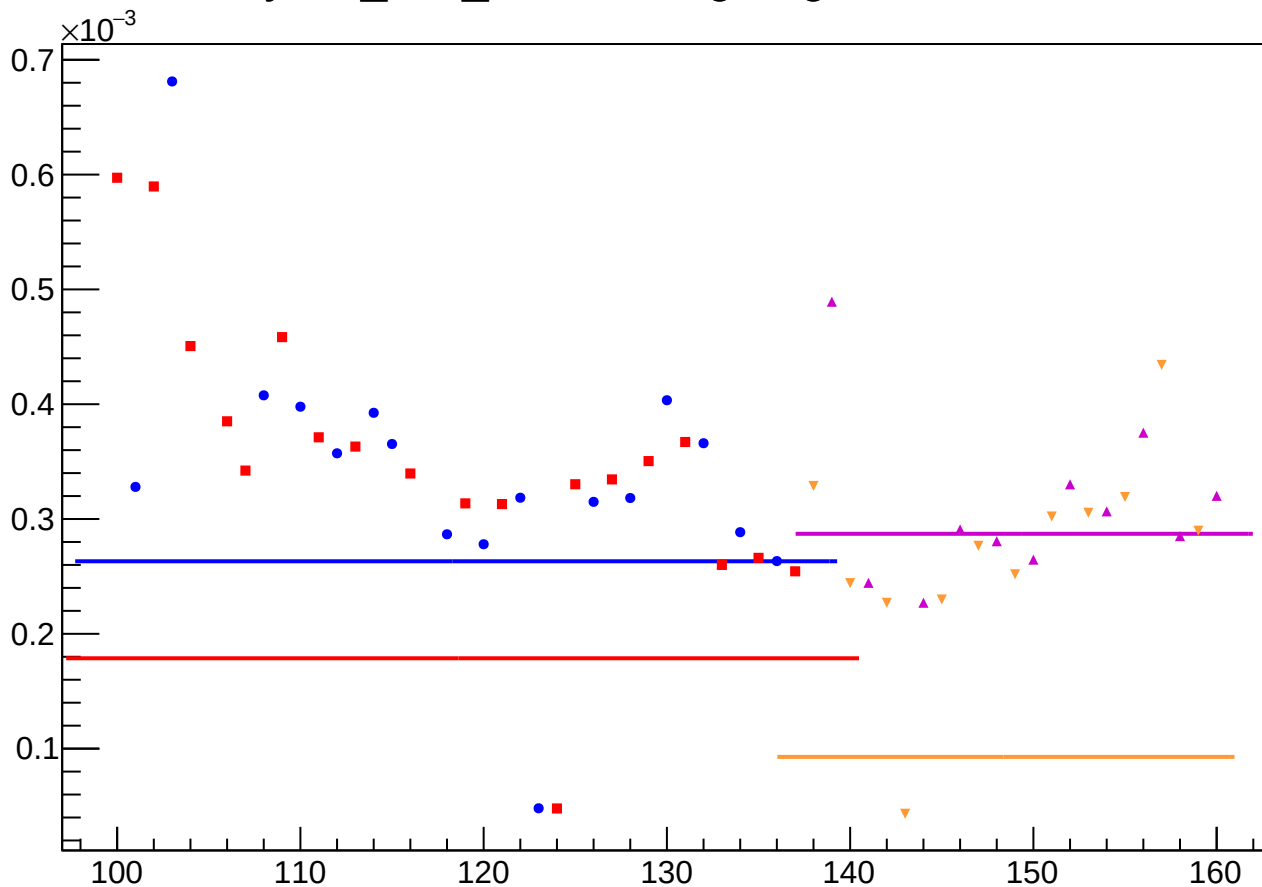
Left In: 0.023+/-0.000 χ^2/NDF : 1002660078.8/10

0.012+/-0.000 χ^2/NDF : 73152386474.9/28

0.015+/-0.000 χ^2/NDF : 127783374700.4/29

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 : 8474256.8/11

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 : 14417885.2/28

0.000+/-0.000 χ^2/NDF : 25277056.5/58

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 : 335303796.1/11

Right Out: 0.035+/-0.000 χ^2/NDF : 43669374279.3/18

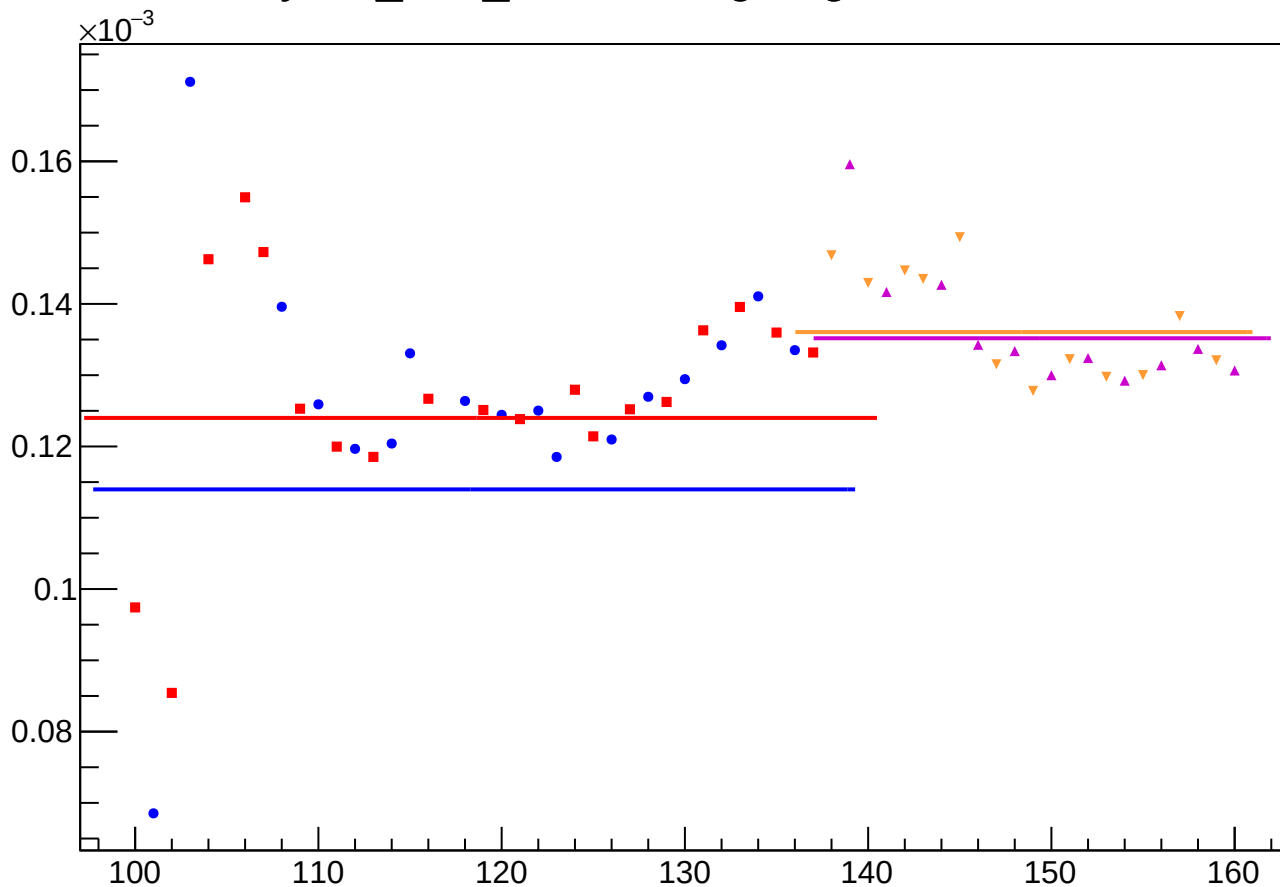
Left In: 0.039+/-0.000 χ^2/NDF : 272690232.4/10

0.034+/-0.000 χ^2/NDF : 116971269010.4/28

0.036+/-0.000 χ^2/NDF : 168367522568.9/29

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 : 47690.6/11

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

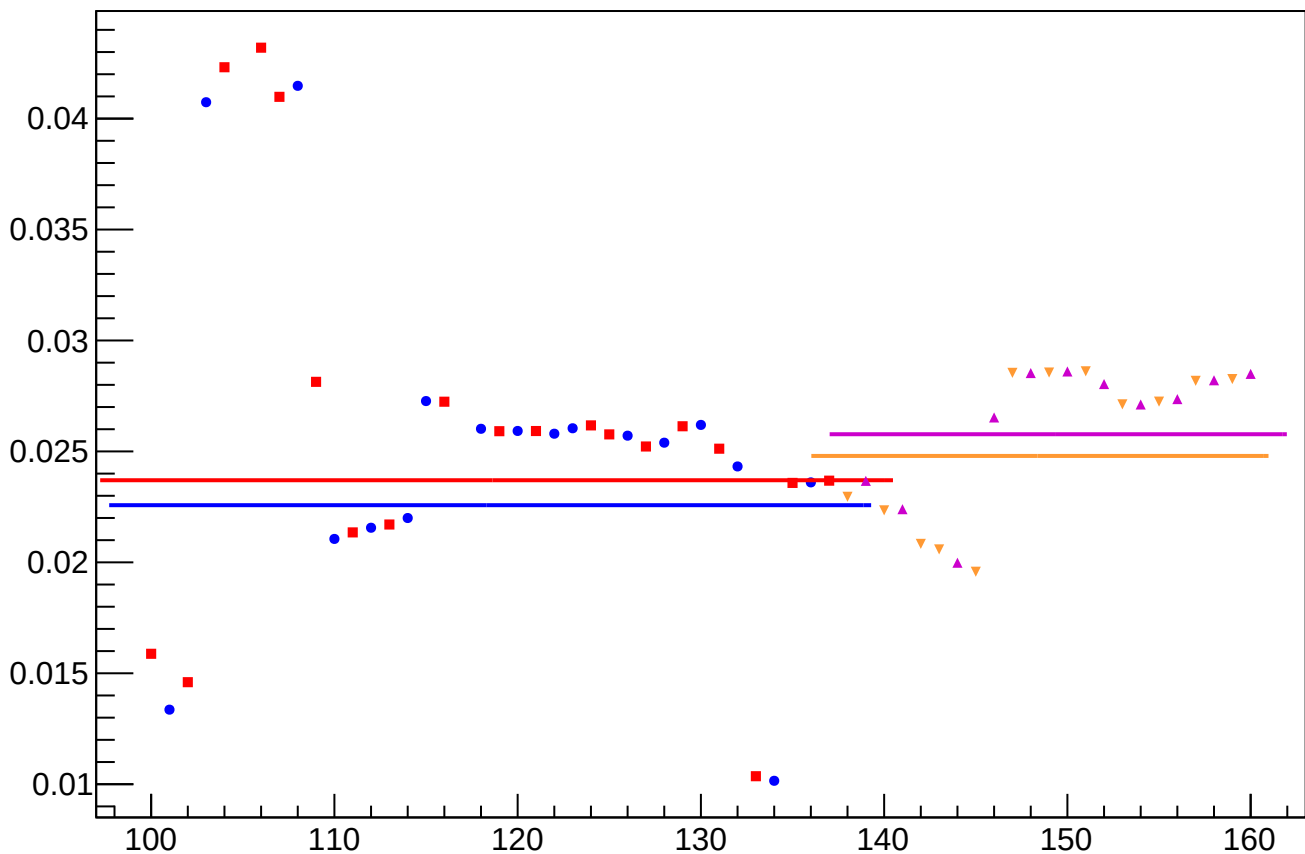
Left In: 0.000+/-0.000 χ^2/NDF : 52009.6/10

0.000+/-0.000 χ^2/NDF : 1071392.5/28

0.000+/-0.000 χ^2/NDF : 1447452.8/58

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 : 1452675216.9/11

Right Out: 0.024 $\pm$ 0.000 χ^2/NDF : 5651397656.1/18

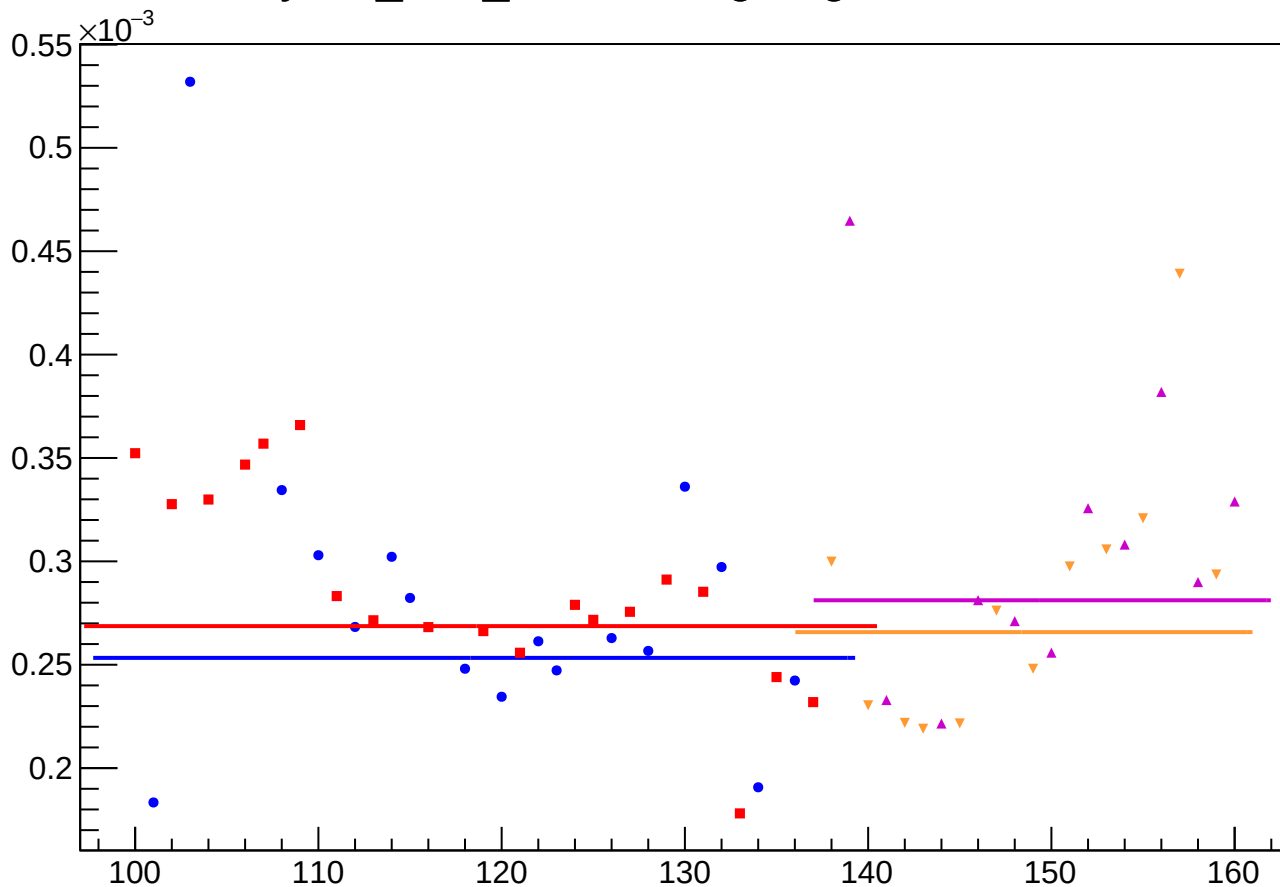
Left In: 0.026 $\pm$ 0.000 χ^2/NDF : 1057125616.5/10

0.024 $\pm$ 0.000 χ^2/NDF : 5944032540.2/28

0.024 $\pm$ 0.000 χ^2/NDF : 12953977202.5/5

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 : 478943.5/11

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

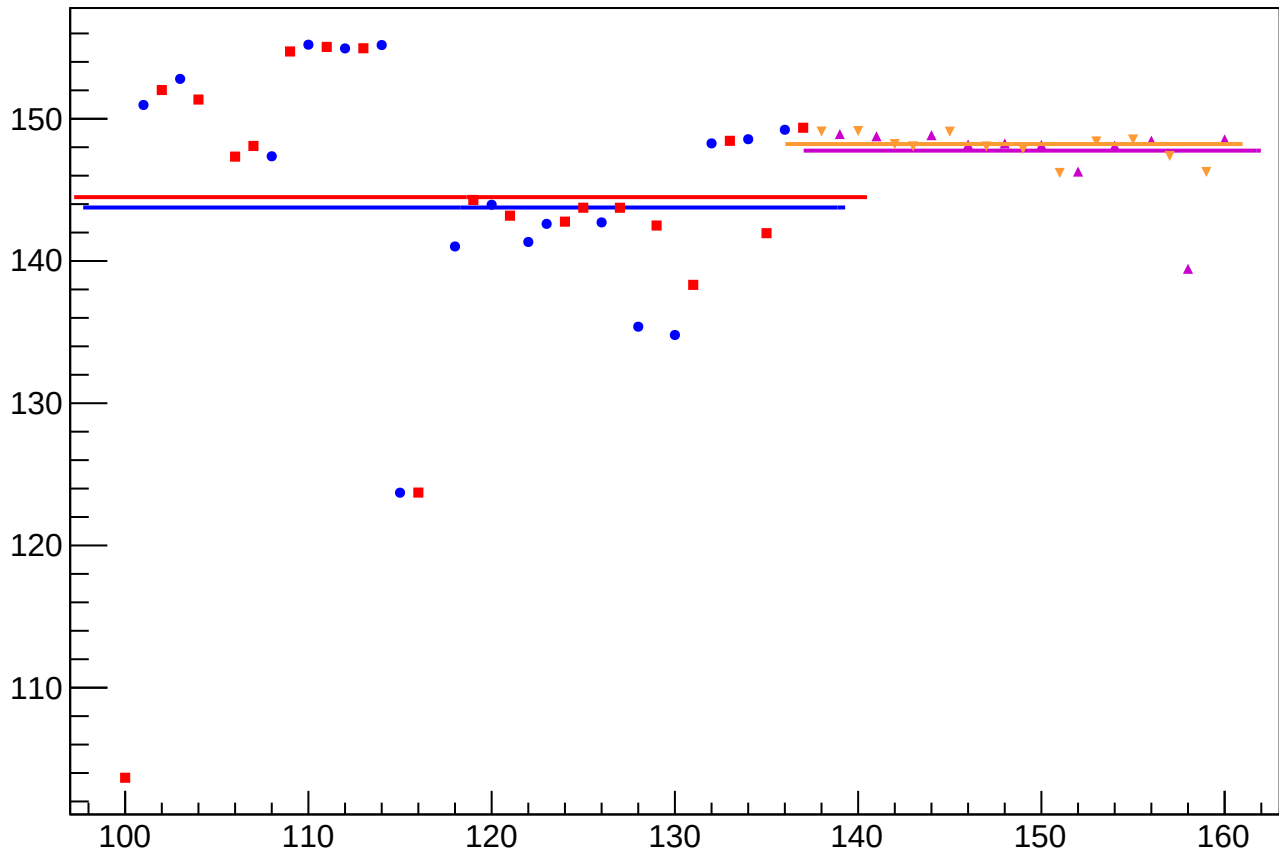
Left In: 0.000+/-0.000 χ^2/NDF : 583308.0/10

0.000+/-0.000 χ^2/NDF : 1123437.6/28

0.000+/-0.000 χ^2/NDF : 2194643.6/58

0.000+/-0.000 χ^2/NDF : 1026071.5/29

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.224 $\pm$ 0.000 χ^2 /NDF: 50372786.9/11

146.078 $\pm$ 0.000 χ^2 /NDF: 4159540754.9/28

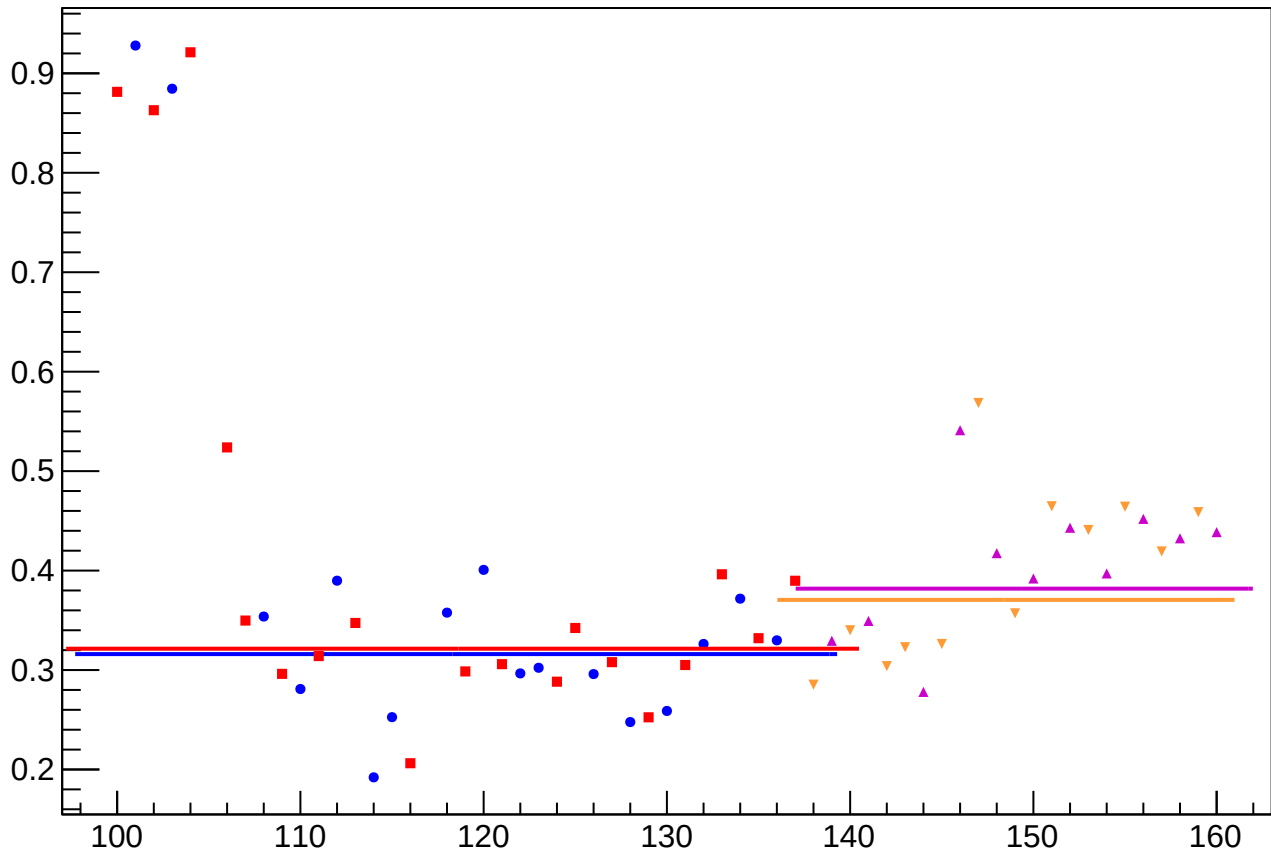
Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18

146.106 $\pm$ 0.000 χ^2 /NDF: 8968188061.7/17

Left In: 147.761 $\pm$ 0.000 χ^2 /NDF: 321190365.7/10

146.134 $\pm$ 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: 0.371 $\pm$ 0.000 χ^2/NDF : 655127.2/11

Right Out: 0.321 $\pm$ 0.000 χ^2/NDF : 1219073.9/18

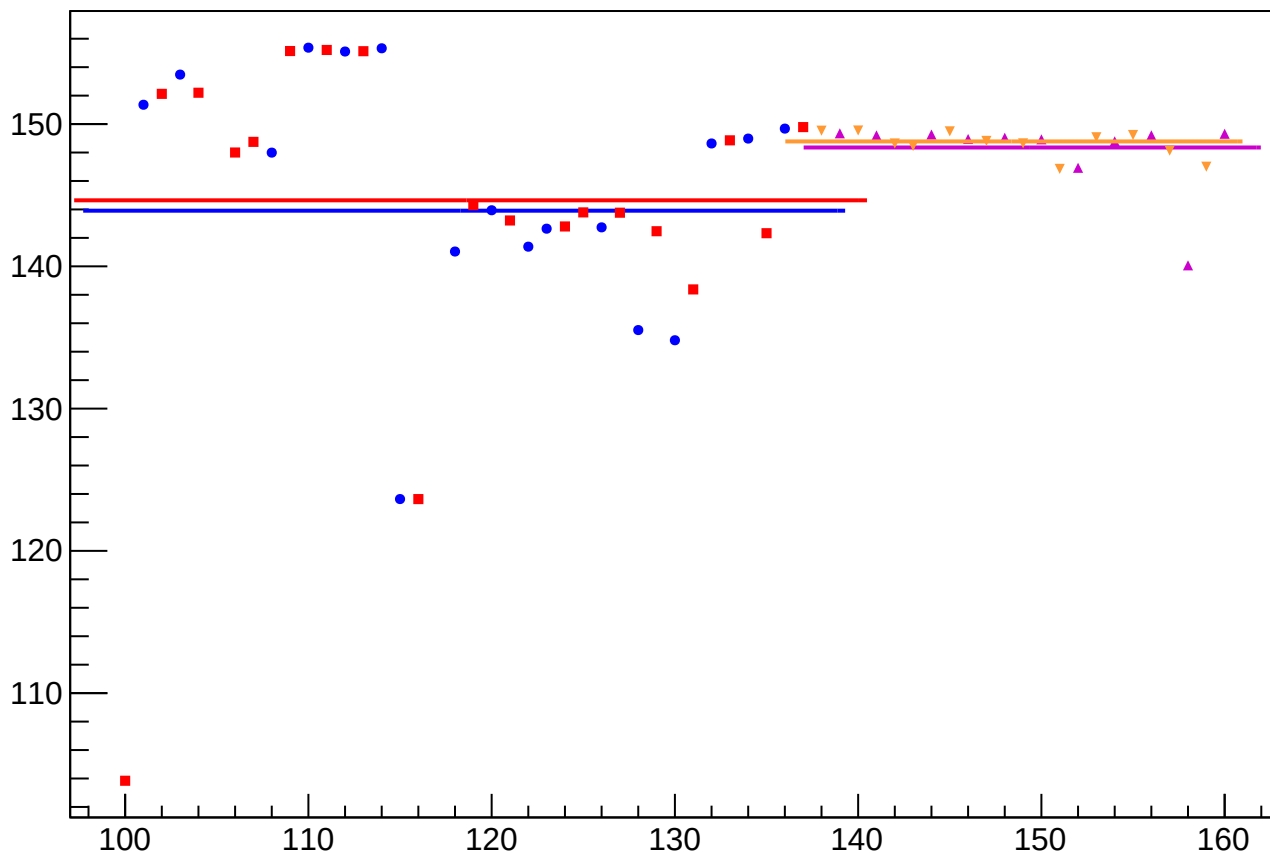
Left In: 0.382 $\pm$ 0.000 χ^2/NDF : 545917.8/10

0.344 $\pm$ 0.000 χ^2/NDF : 2092795.5/28

0.348 $\pm$ 0.000 χ^2/NDF : 4071838.6/58

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: 148.780 $\pm$ 0.000 χ^2 /NDF: 39658163.0/11

Right Out: 144.640 $\pm$ 0.000 χ^2 /NDF: 4209610240.4/18

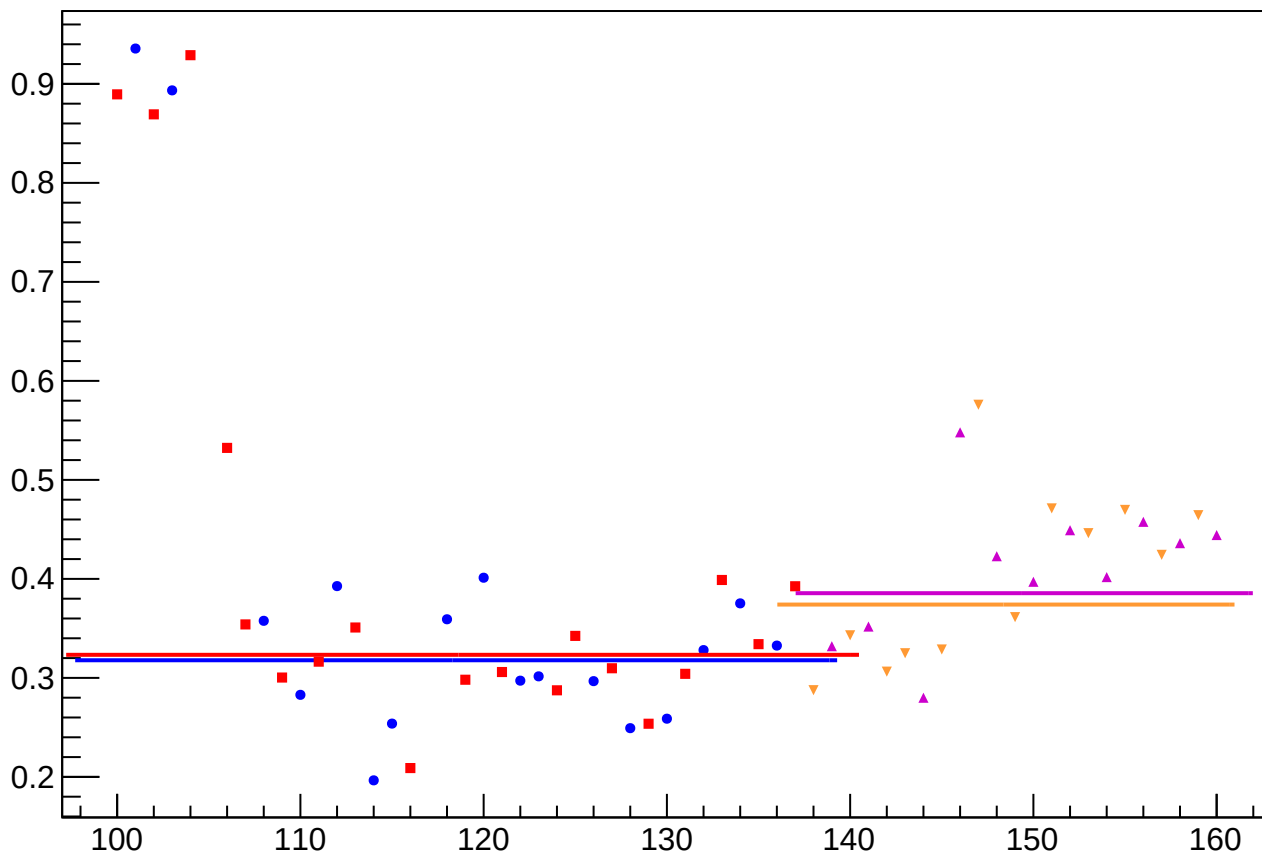
Left In: 148.354 $\pm$ 0.000 χ^2 /NDF: 310307747.5/10

146.429 $\pm$ 0.000 χ^2 /NDF: 4301149194.2/28

146.464 $\pm$ 0.000 χ^2 /NDF: 9207932249.0/28

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: 0.374 $\pm$ 0.000 χ^2/NDF : 668349.4/11

Right Out: 0.323 $\pm$ 0.000 χ^2/NDF : 1222241.9/18

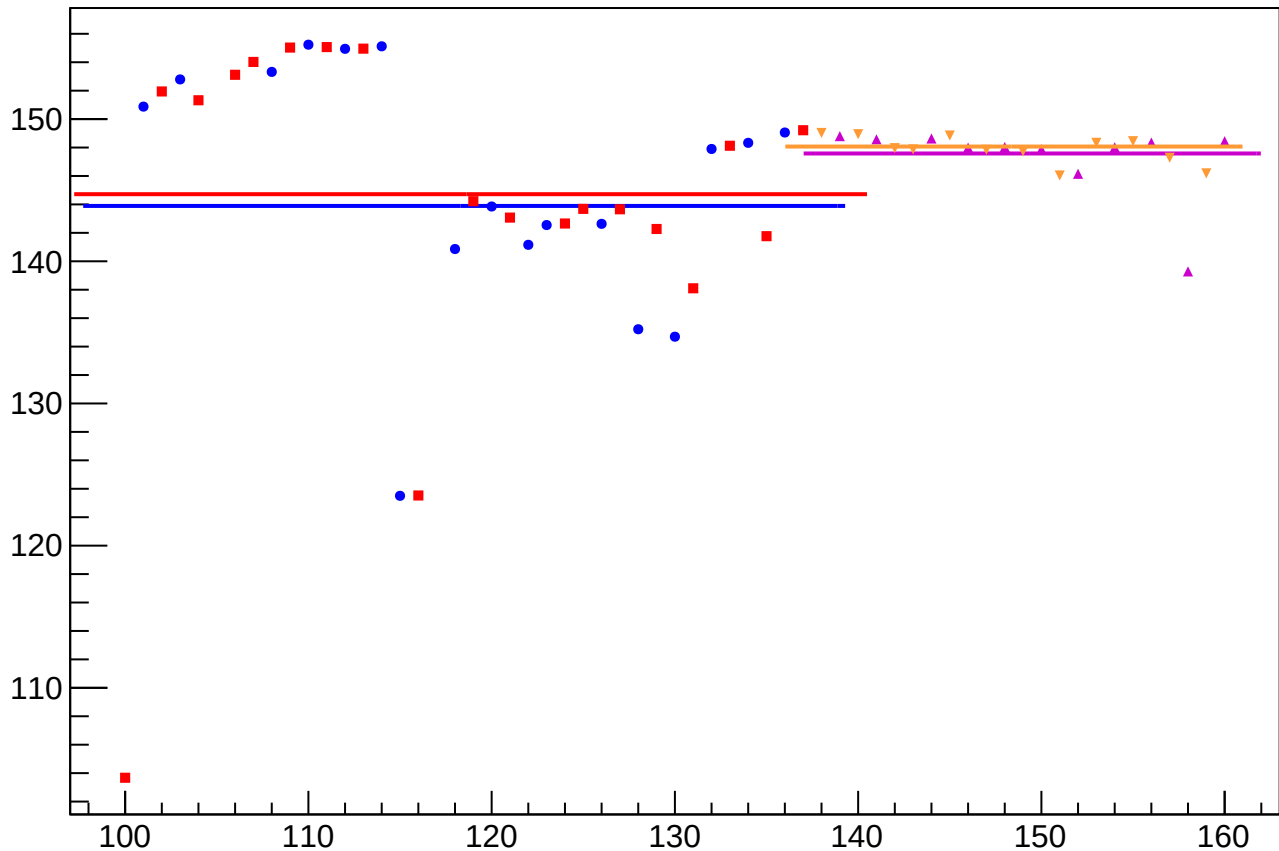
Left In: 0.386 $\pm$ 0.000 χ^2/NDF : 558760.6/10

0.347 $\pm$ 0.000 χ^2/NDF : 2116551.8/28

0.351 $\pm$ 0.000 χ^2/NDF : 4121281.9/58

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: 148.070+/-0.000 χ^2/NDF : 48643618.8/11

Right Out: 144.719+/-0.000 χ^2/NDF : 4473225884.5/18

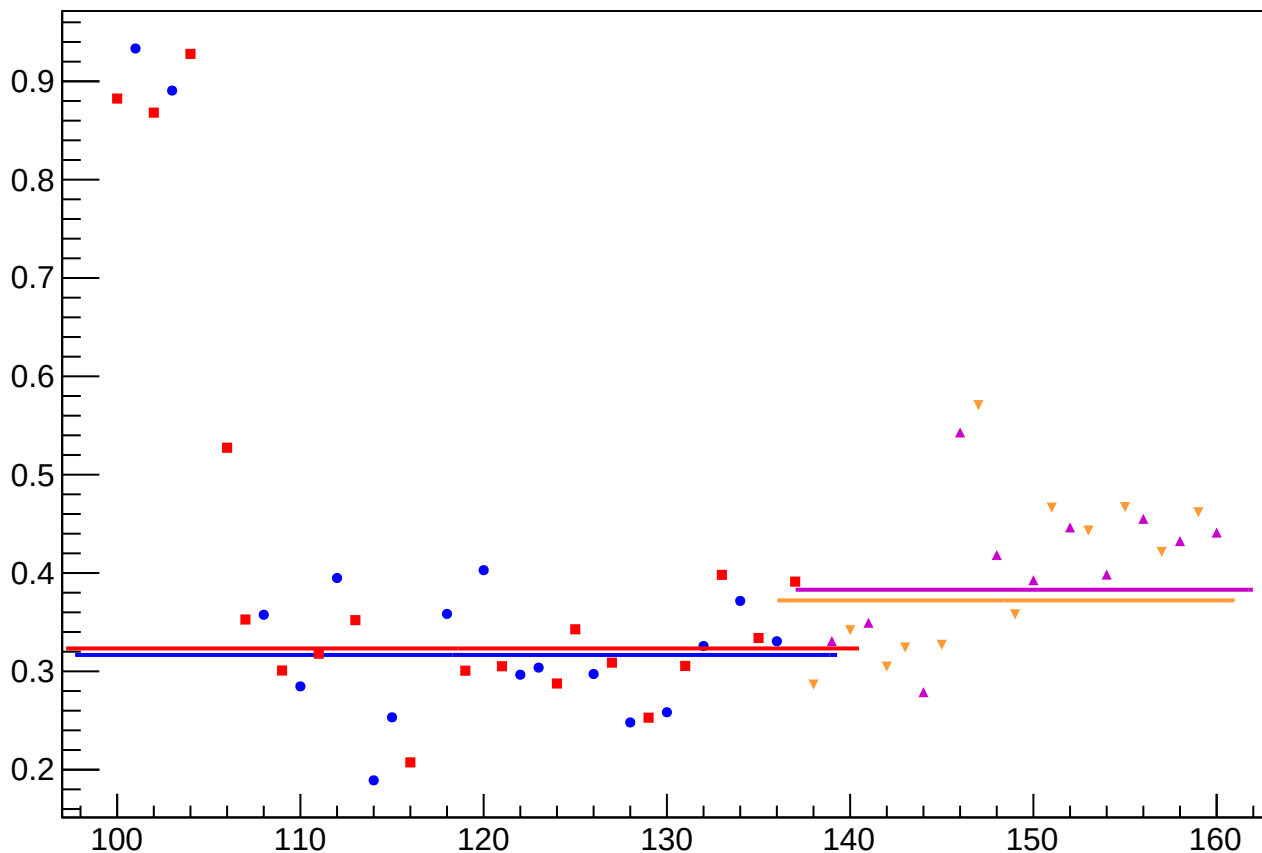
Left In: 147.582+/-0.000 χ^2/NDF : 319824266.1/10

146.059+/-0.000 χ^2/NDF : 4301173104.9/28

146.110+/-0.000 χ^2/NDF : 9326341793.5/29

146.162+/-0.000 χ^2/NDF : 5024562038.1/29

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.372+/-0.000 χ^2/NDF : 658265.4/11

Right Out: 0.323+/-0.000 χ^2/NDF : 1222784.7/18

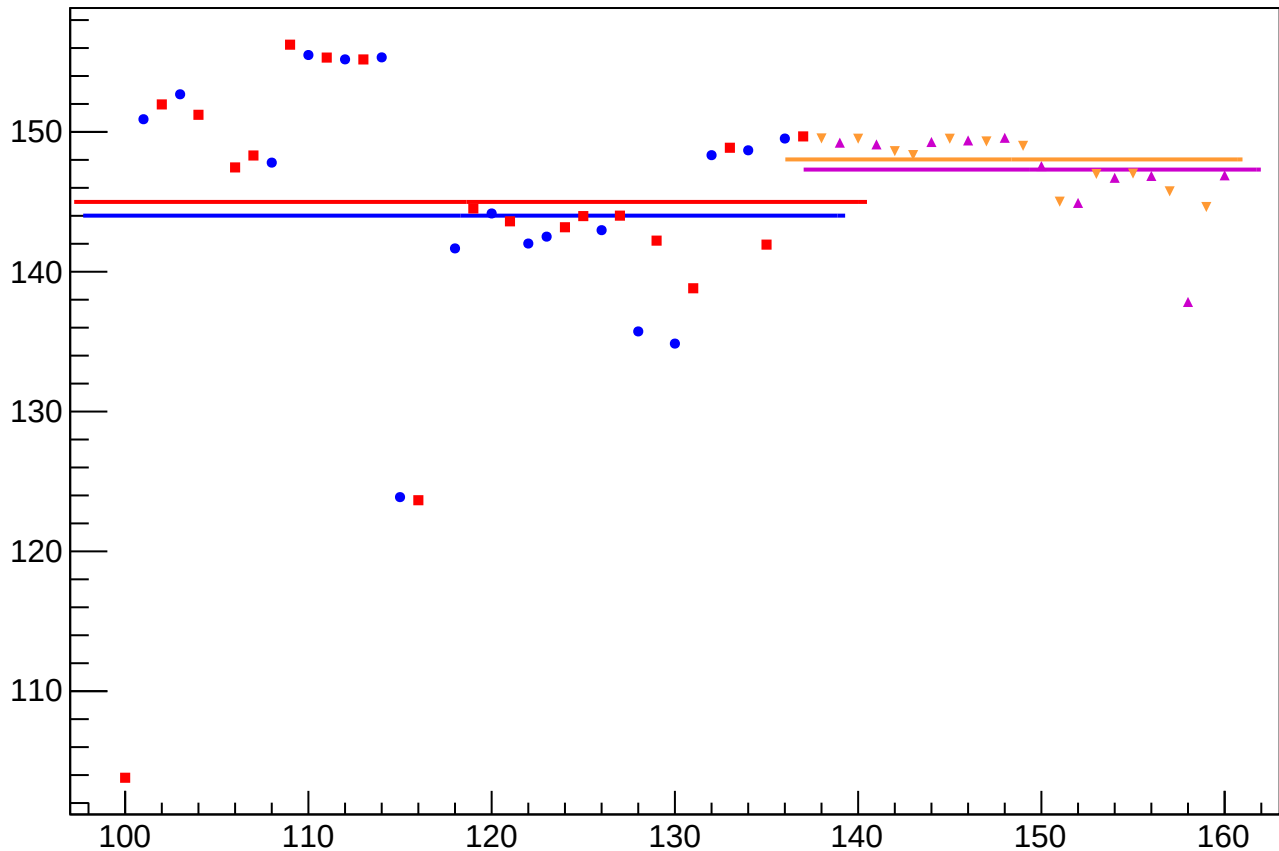
Left In: 0.383+/-0.000 χ^2/NDF : 549728.6/10

0.345+/-0.000 χ^2/NDF : 2114738.2/28

0.349+/-0.000 χ^2/NDF : 4095692.3/58

0.353+/-0.000 χ^2/NDF : 1973787.3/29

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 ± 0.000 χ^2/NDF : 3241696920.3/16

Left Out: 148.033 ± 0.000 χ^2/NDF : 155450819.8/11

Right Out: 144.994 ± 0.000 χ^2/NDF : 3852381452.1/18

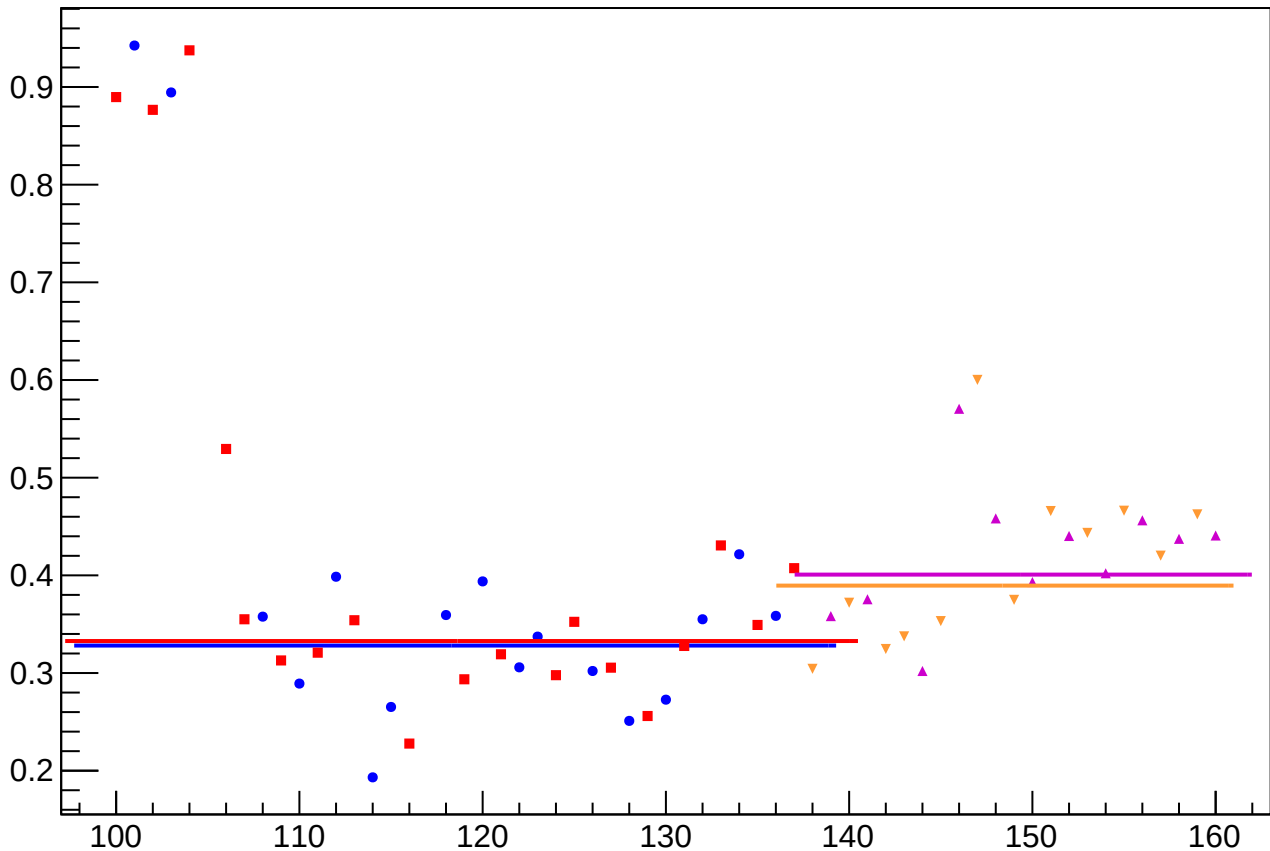
Left In: 147.306 ± 0.000 χ^2/NDF : 480502867.1/10

146.082 ± 0.000 χ^2/NDF : 3824197971.8/28

146.113 ± 0.000 χ^2/NDF : 8297810697.3/28

146.144 ± 0.000 χ^2/NDF : 4473410598.5/29

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.390 ± 0.000 χ^2/NDF : 524785.8/11

Right Out: 0.333 ± 0.000 χ^2/NDF : 1185129.6/18

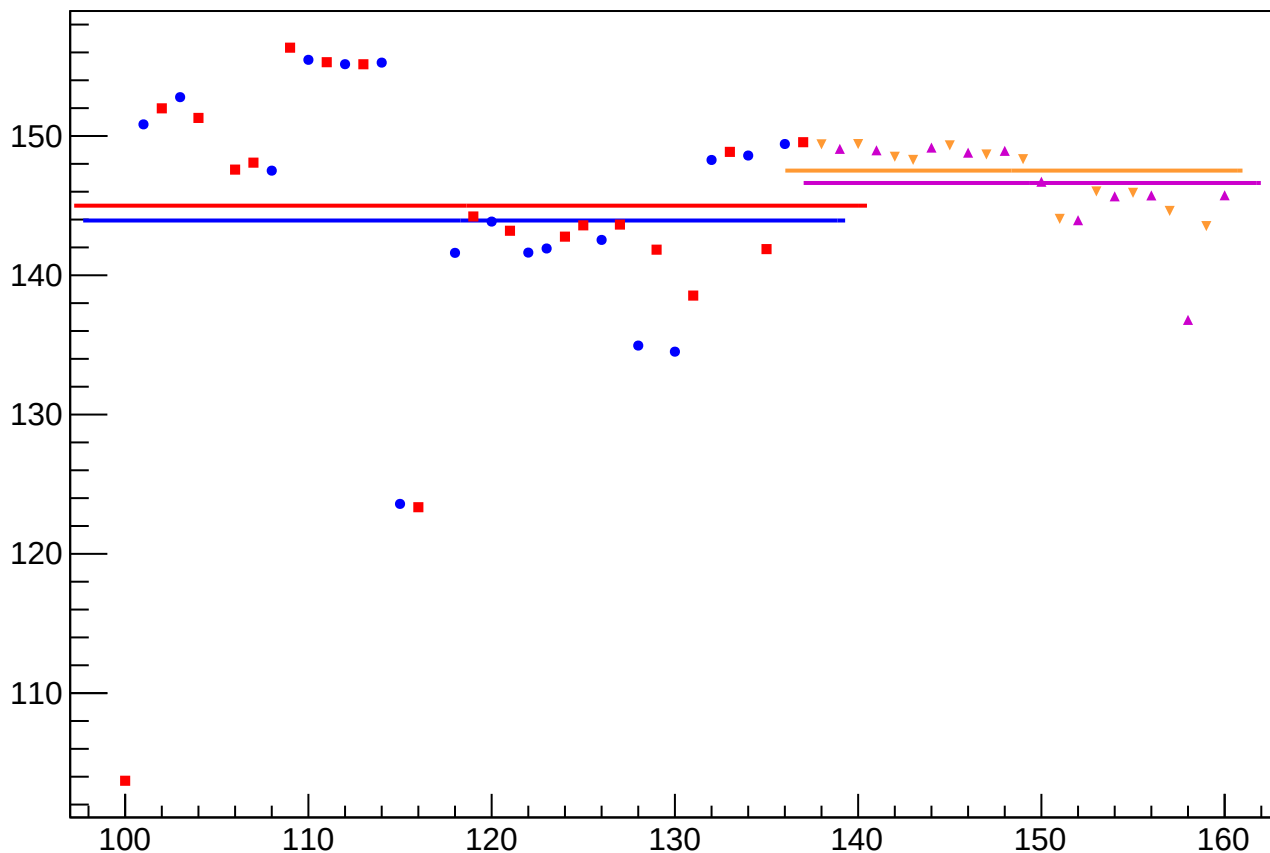
Left In: 0.401 ± 0.000 χ^2/NDF : 424205.6/10

0.360 ± 0.000 χ^2/NDF : 1989725.7/28

0.363 ± 0.000 χ^2/NDF : 3846945.7/58

0.367 ± 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: 147.516 $\pm$ 0.000 χ^2 /NDF: 230978707.3/11

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3932958476.0/18

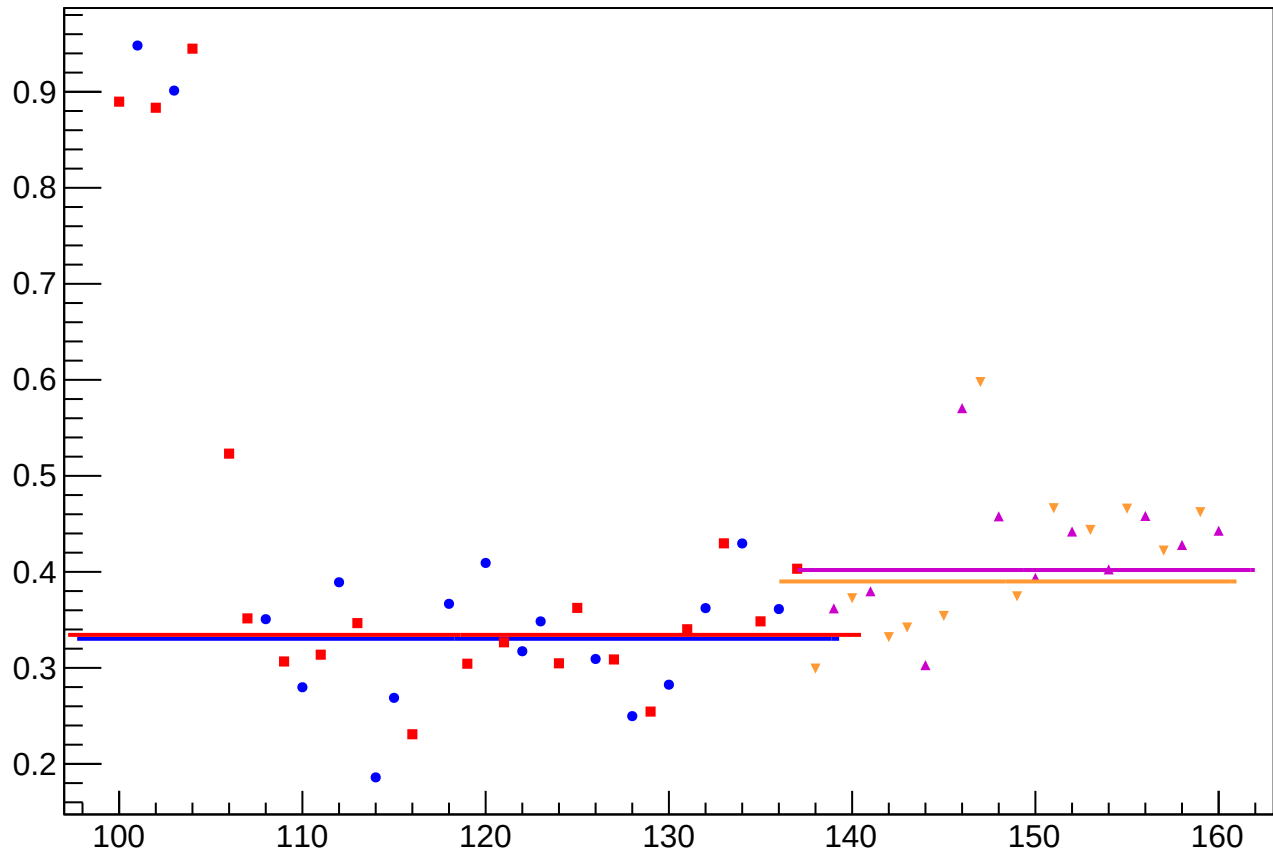
Left In: 146.627 $\pm$ 0.000 χ^2 /NDF: 584562483.9/10

145.789 $\pm$ 0.000 χ^2 /NDF: 3949578371.8/28

145.799 $\pm$ 0.000 χ^2 /NDF: 8536169973.6/29

145.810 $\pm$ 0.000 χ^2 /NDF: 4586568037.5/29

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 +/- 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.390 +/- 0.000 χ^2/NDF : 524555.0/11

Right Out: 0.334 +/- 0.000 χ^2/NDF : 1174012.0/18

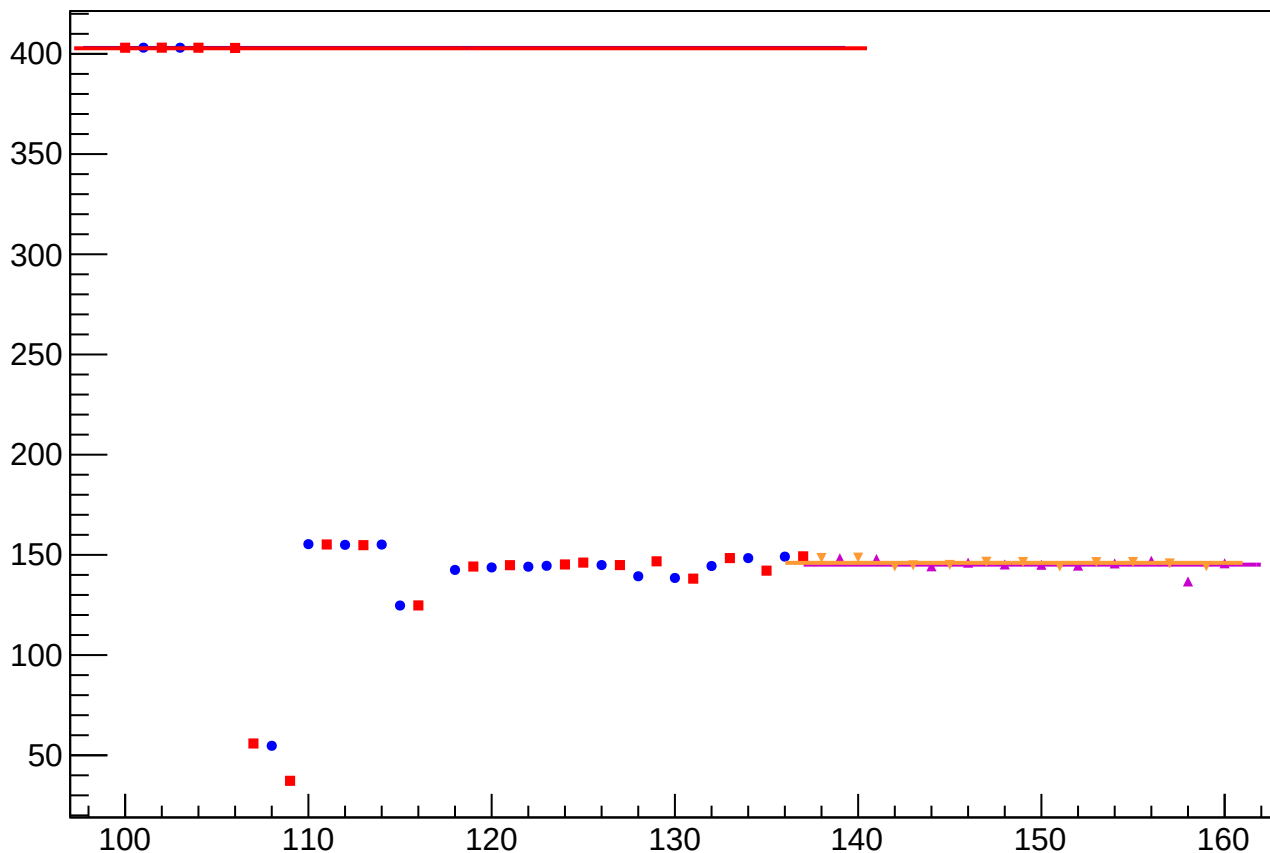
Left In: 0.402 +/- 0.000 χ^2/NDF : 411314.0/10

0.361 +/- 0.000 χ^2/NDF : 1994798.4/28

0.365 +/- 0.000 χ^2/NDF : 3822435.8/58

0.368 +/- 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: 146.022 +/- 0.000 χ^2/NDF : 35089640.6/11

Right Out: 402.799 +/- 0.000 χ^2/NDF : 3102036567767.5/18

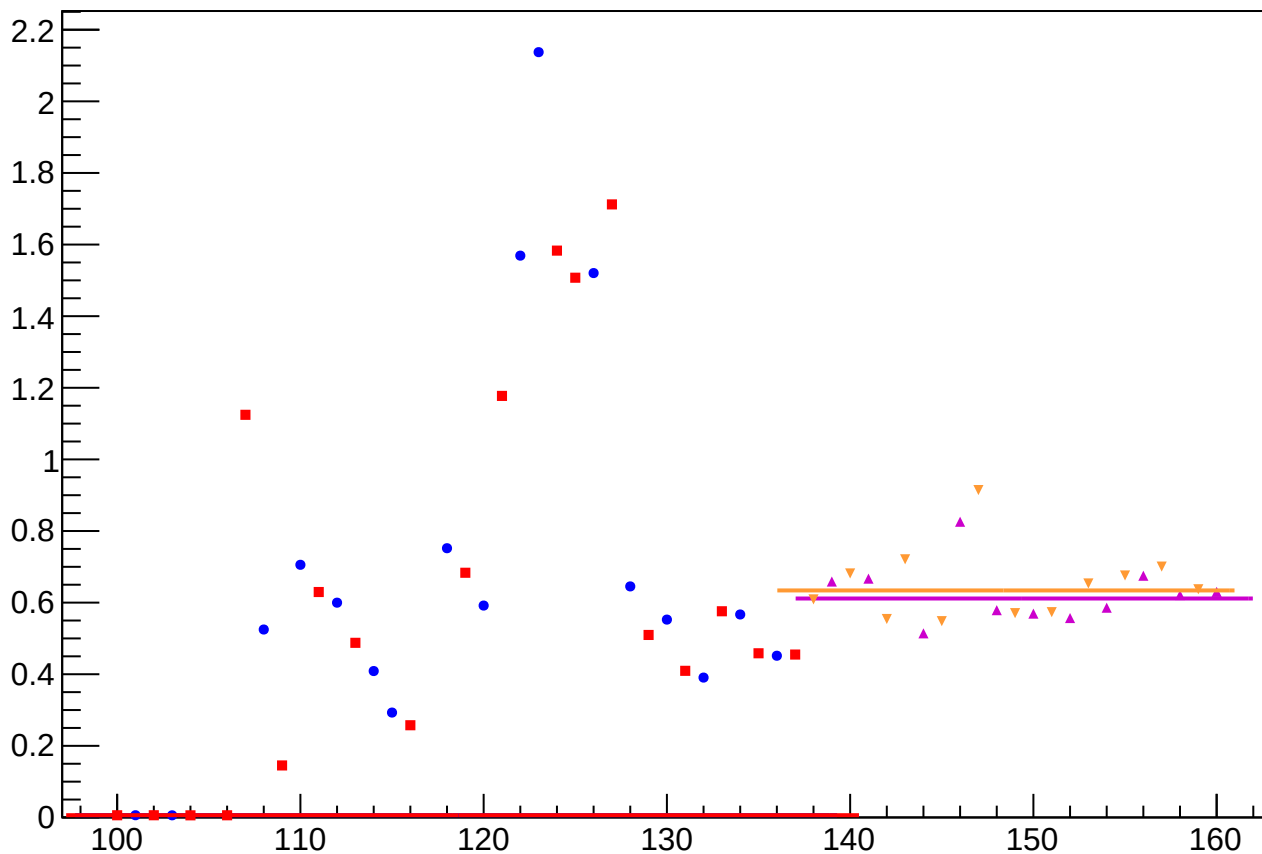
Left In: 145.131 +/- 0.000 χ^2/NDF : 126448317.1/10

402.839 +/- 0.000 χ^2/NDF : 2046674075477.2/28

402.757 +/- 0.000 χ^2/NDF : 618881697431

402.684 +/- 0.000 χ^2/NDF : 4141749237547.6/29

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.634 $\pm$ 0.000 χ^2/NDF : 184296.1/11

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 9193355.5/18

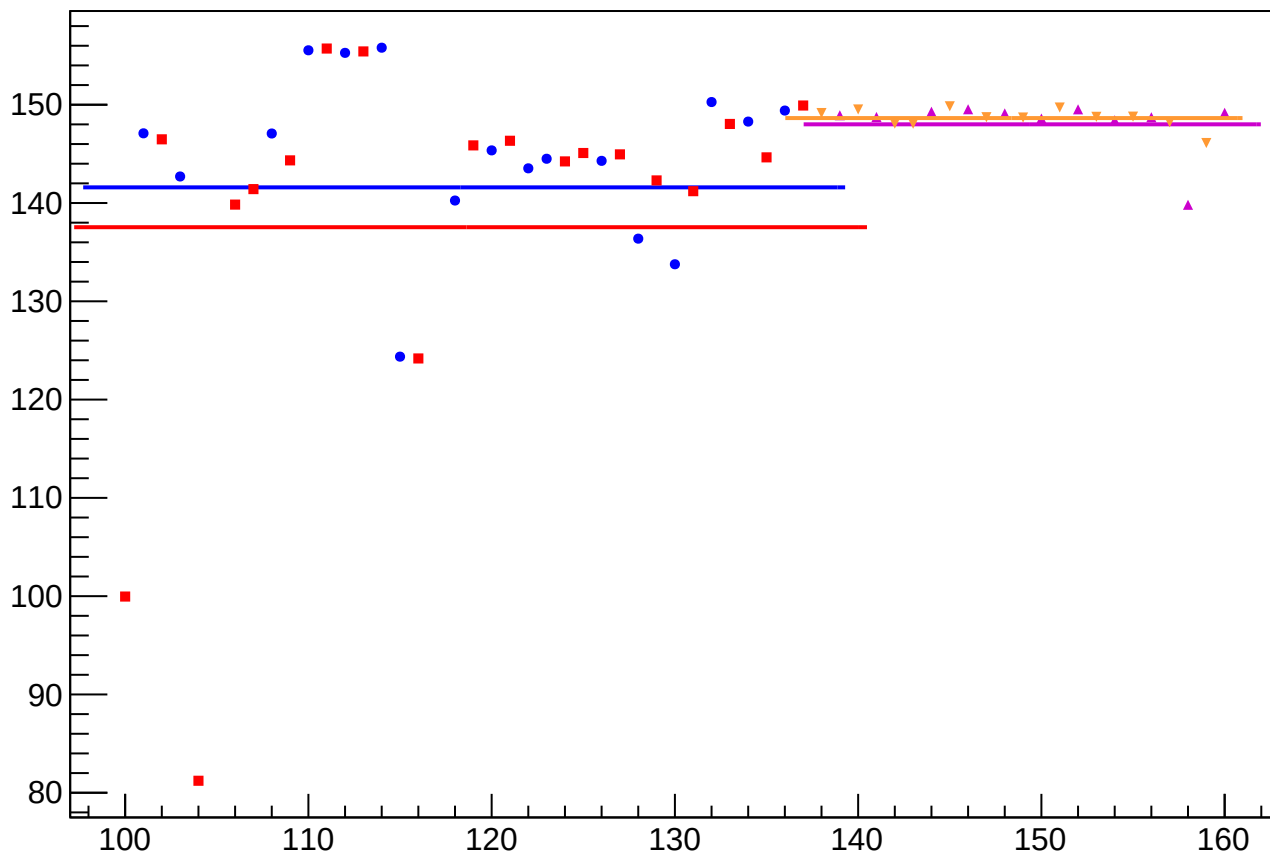
Left In: 0.611 $\pm$ 0.000 χ^2/NDF : 154292.2/10

0.007 $\pm$ 0.000 χ^2/NDF : 20630353.0/28

0.007 $\pm$ 0.000 χ^2/NDF : 41446743.2/58

0.007 $\pm$ 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: 148.642 $\pm$ 0.000 χ^2 /NDF: 28334346.2/11

Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18

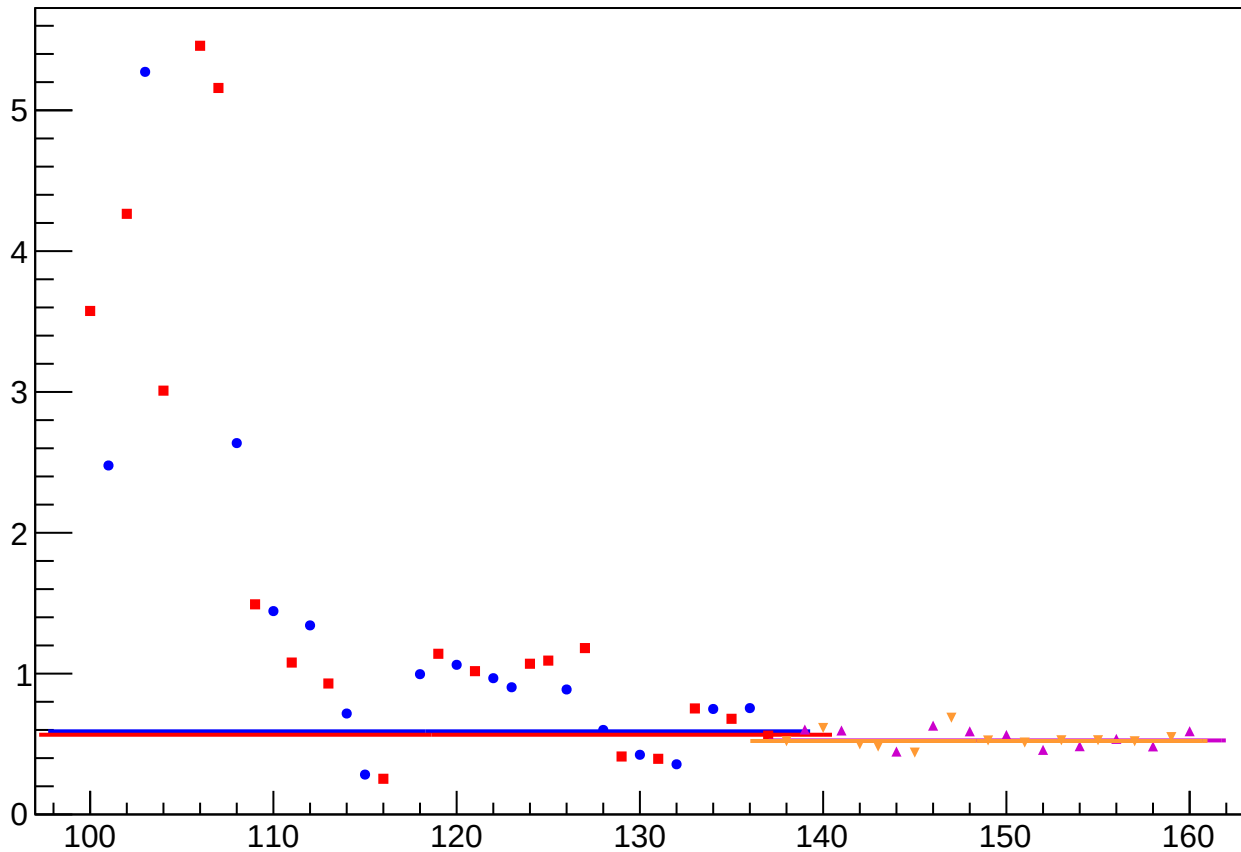
Left In: 148.006 $\pm$ 0.000 χ^2 /NDF: 237184222.3/10

146.781 $\pm$ 0.000 χ^2 /NDF: 1377607607.4/28

145.950 $\pm$ 0.000 χ^2 /NDF: 3827136056.4/29

145.127 $\pm$ 0.000 χ^2 /NDF: 2396932999.3/29

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.522 $\pm$ 0.000 χ^2 /NDF:168146.0/11

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

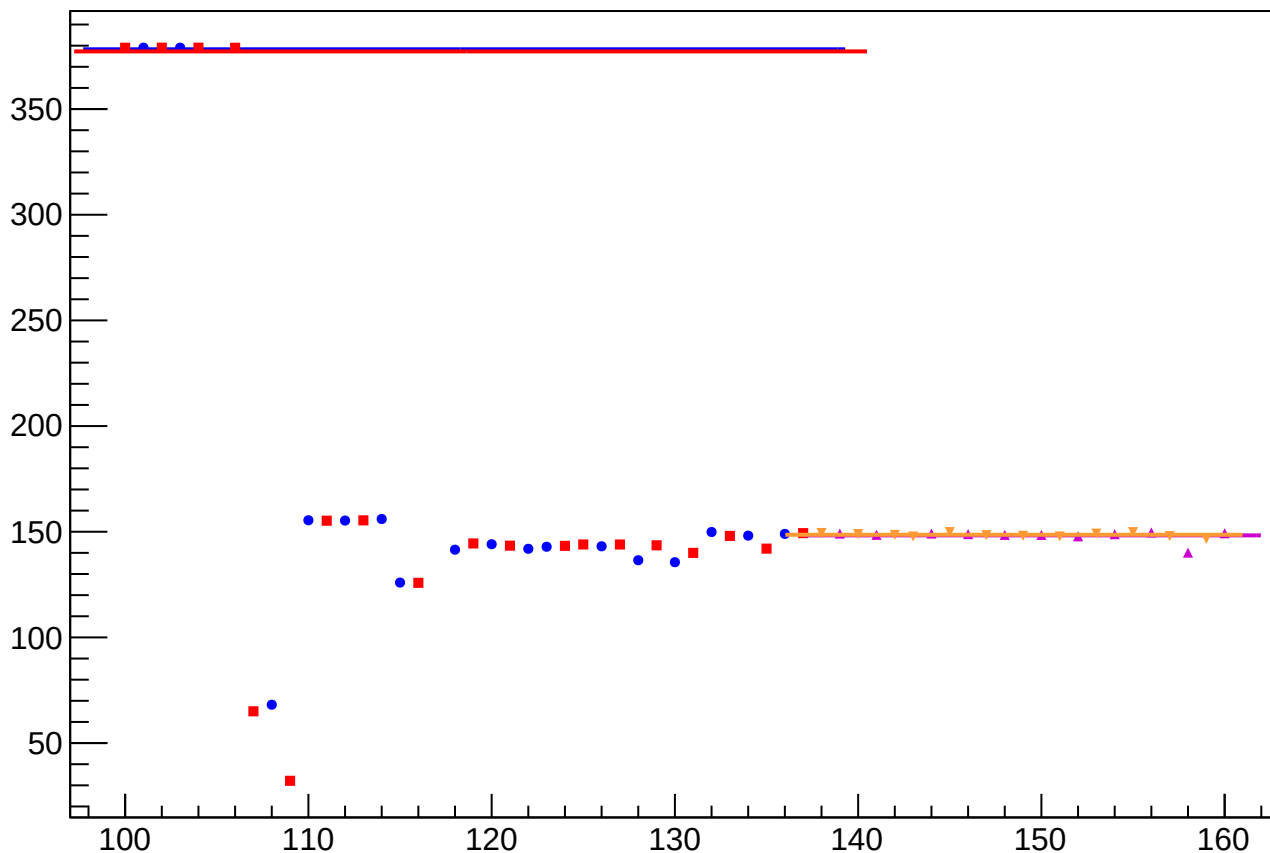
Left In: 0.526 $\pm$ 0.000 χ^2 /NDF:218579.0/10

0.540 $\pm$ 0.000 χ^2 /NDF: 3730080.1/28

0.538 $\pm$ 0.000 χ^2 /NDF: 8657790.1/58

0.537 $\pm$ 0.000 χ^2 /NDF: 4927362.2/29

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283 ± 0.000 $\chi^2/NDF: 2508313421453.8/16$

Left Out: 148.577 ± 0.000 $\chi^2/NDF: 39551078.2/11$

Right Out: 377.287 ± 0.000 $\chi^2/NDF: 8286303106836.4/18$

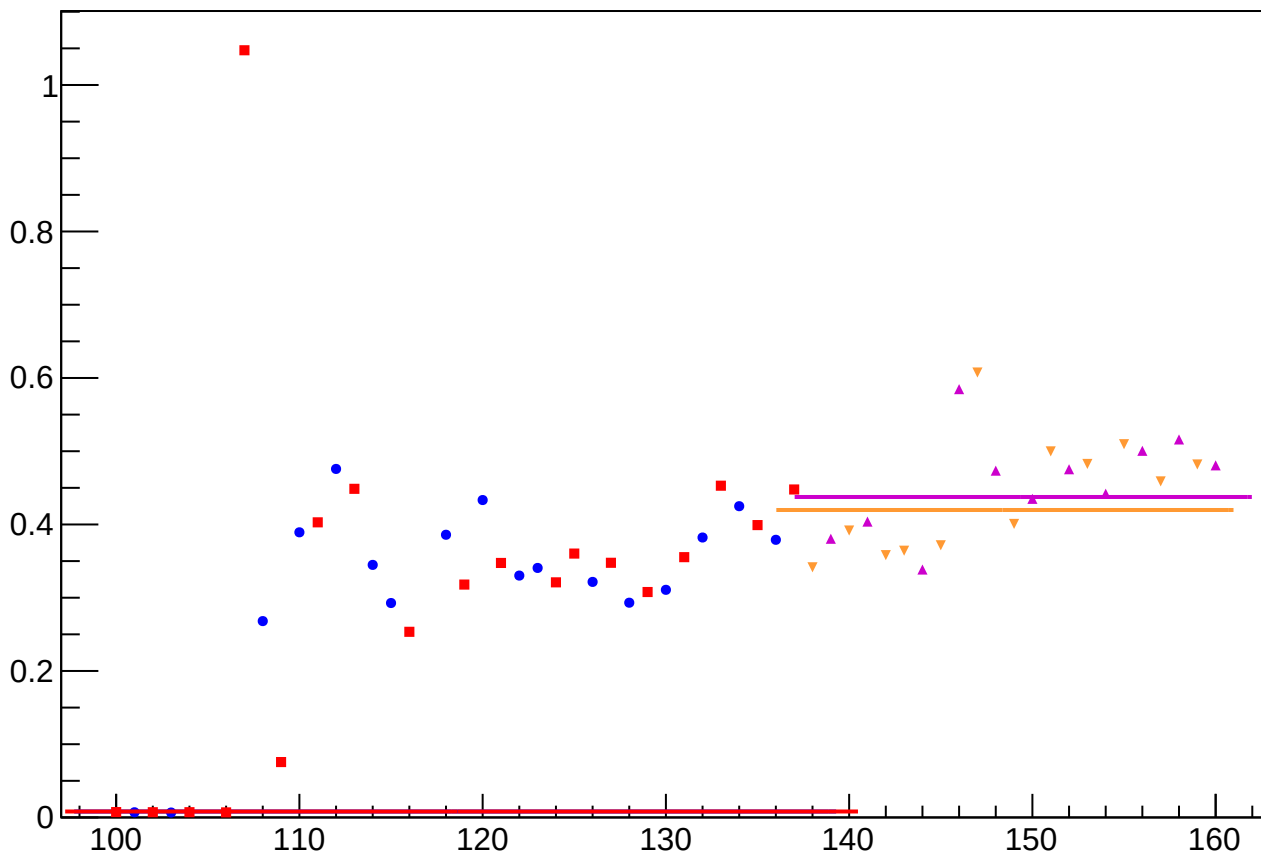
Left In: 148.284 ± 0.000 $\chi^2/NDF: 210366754.7/10$

377.465 ± 0.000 $\chi^2/NDF: 5010085797423.0/28$

377.015 ± 0.000 $\chi^2/NDF: 156189156820$

376.621 ± 0.000 $\chi^2/NDF: 10603758471722.9/2$

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.420+/-0.000 χ^2/NDF : 455678.4/11

Right Out: 0.008+/-0.000 χ^2/NDF : 9522827.2/18

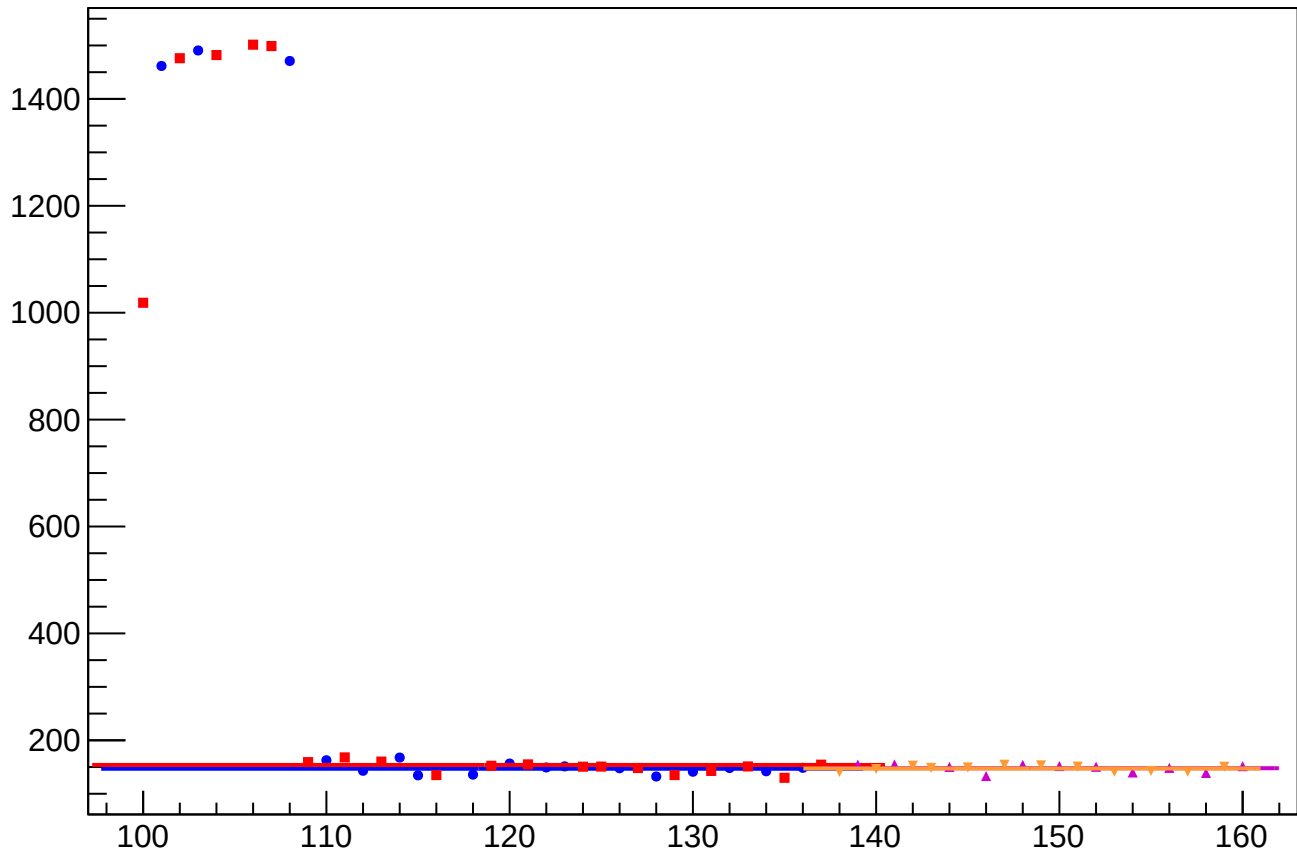
Left In: 0.438+/-0.000 χ^2/NDF : 378239.5/10

0.010+/-0.000 χ^2/NDF : 26330865.7/28

0.009+/-0.000 χ^2/NDF : 52525889.3/58

0.009+/-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: 147.286+/-0.000 χ^2/NDF : 215532393.2/11

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

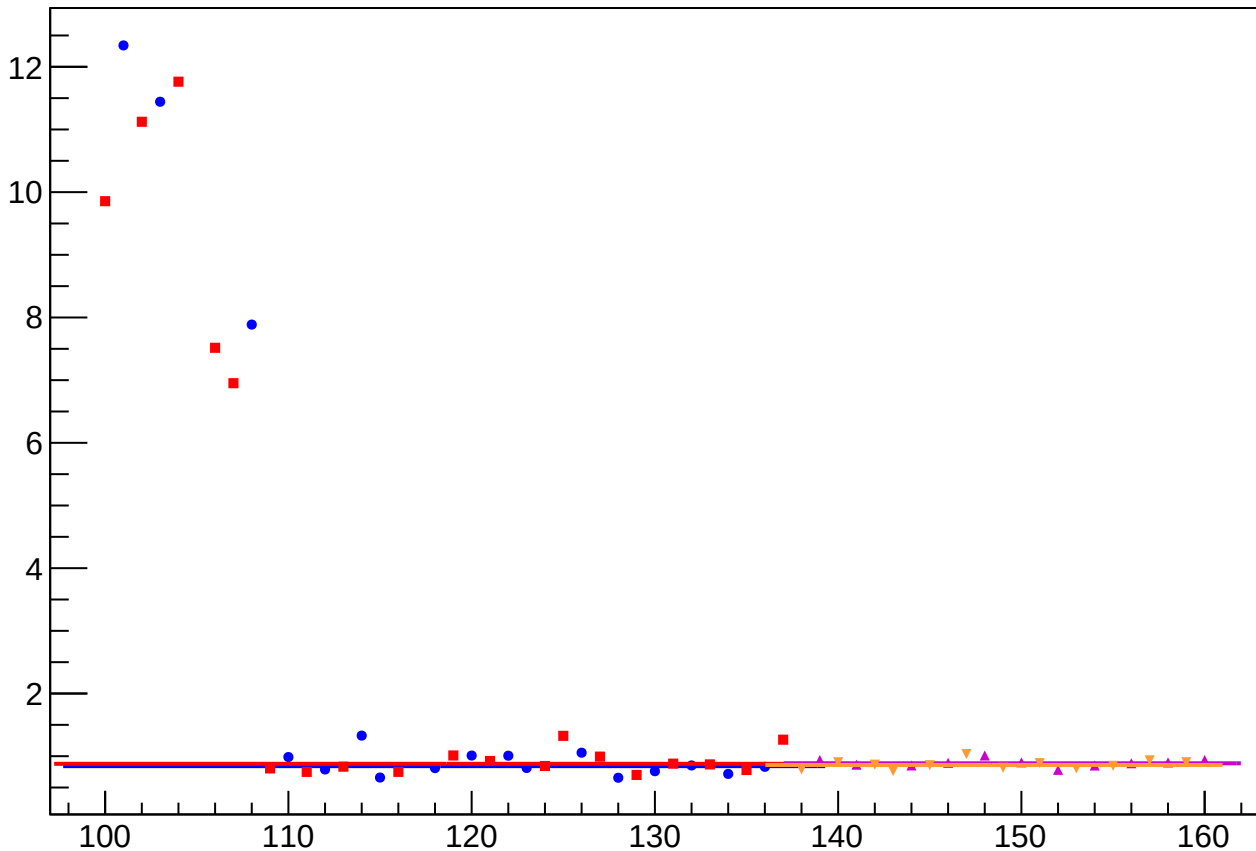
Left In: 147.771+/-0.000 χ^2/NDF : 442412928.7/10

147.117+/-0.000 χ^2/NDF : 24577048754.0/28

148.553+/-0.000 χ^2/NDF : 58944210804.4

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: 0.860 ± 0.000 χ^2/NDF : 86253.6/11

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

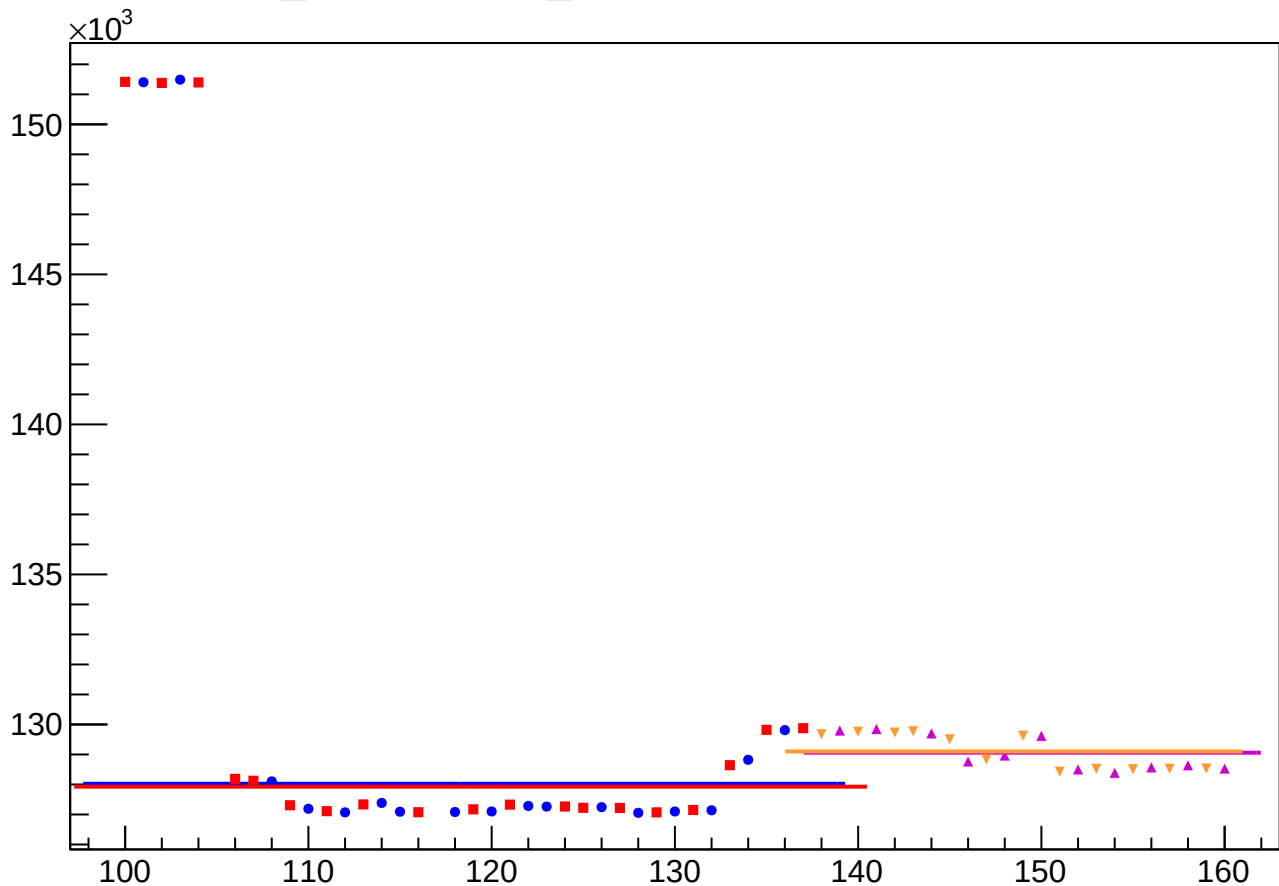
Left In: 0.887 ± 0.000 χ^2/NDF : 59270.2/10

0.853 ± 0.000 χ^2/NDF : 2751063.5/28

0.868 ± 0.000 χ^2/NDF : 5638840.4/58

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: 129100.157 $\pm$ 0.058 χ^2 /NDF: 97644053.5/11

Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18

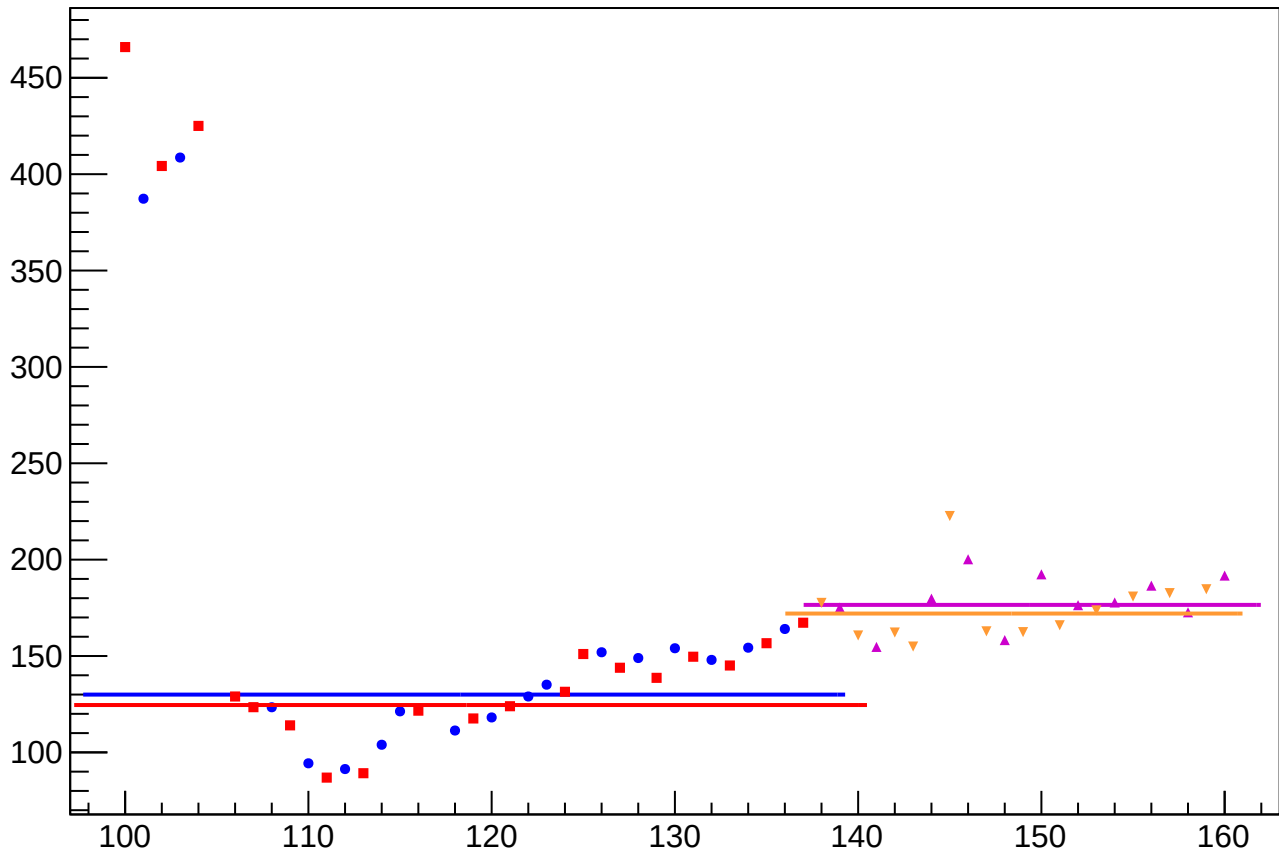
Left In: 129059.813 $\pm$ 0.059 χ^2 /NDF: 90617499.9/10

128528.163 $\pm$ 0.040 χ^2 /NDF: 4596843077.0/28

128462.246 $\pm$ 0.028 χ^2 /NDF: 867097551

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: 172.031 +/- 0.041 χ^2/NDF : 136680.3/11

Right Out: 124.566 +/- 0.036 χ^2/NDF : 1531273.9/18

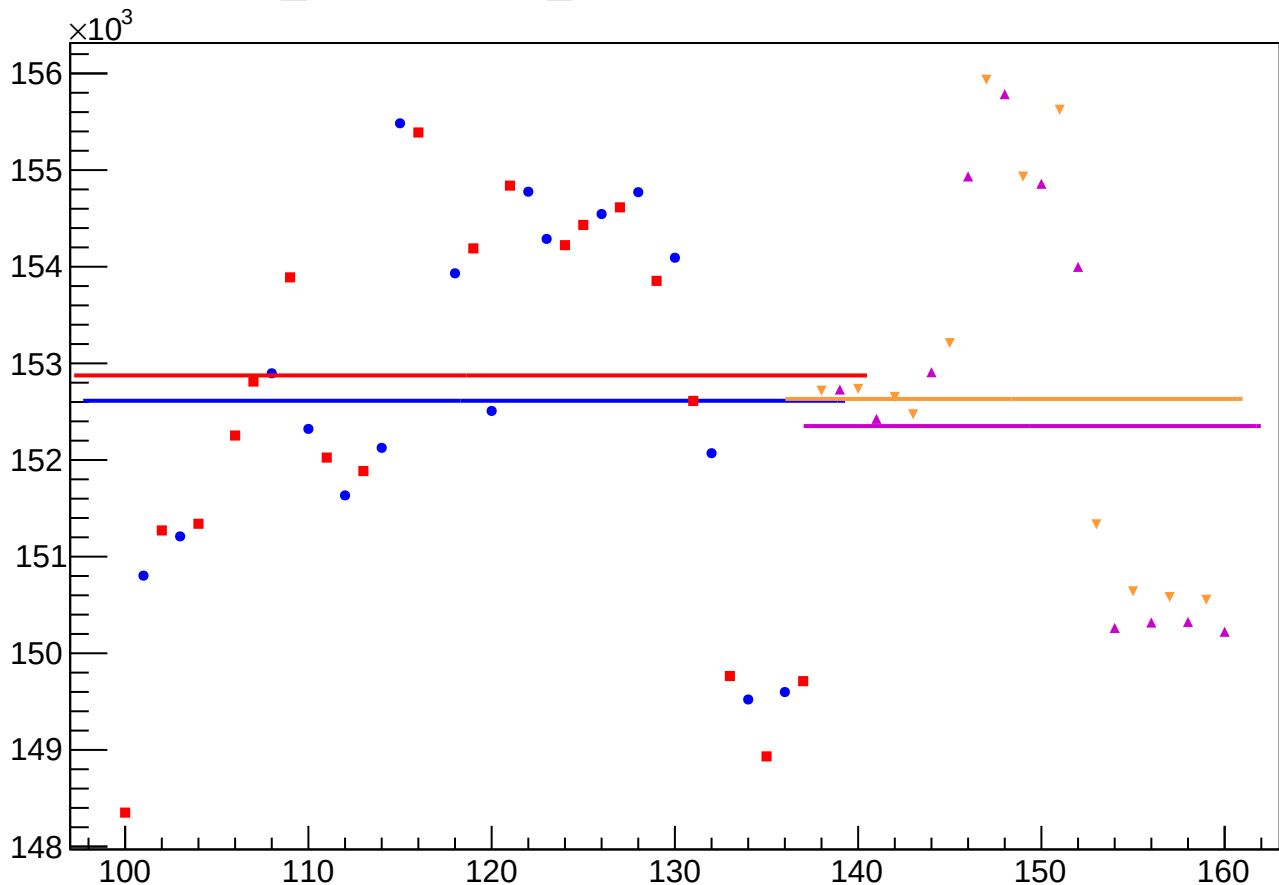
Left In: 176.525 +/- 0.042 χ^2/NDF : 104072.1/10

149.690 +/- 0.028 χ^2/NDF : 2179518.8/28

147.926 +/- 0.020 χ^2/NDF : 4711639.5/58

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: 152632.098 $\pm$ 0.065 χ^2 /NDF: 694877693.2/11

Right Out: 152875.313 $\pm$ 0.066 χ^2 /NDF: 716358700.9/18

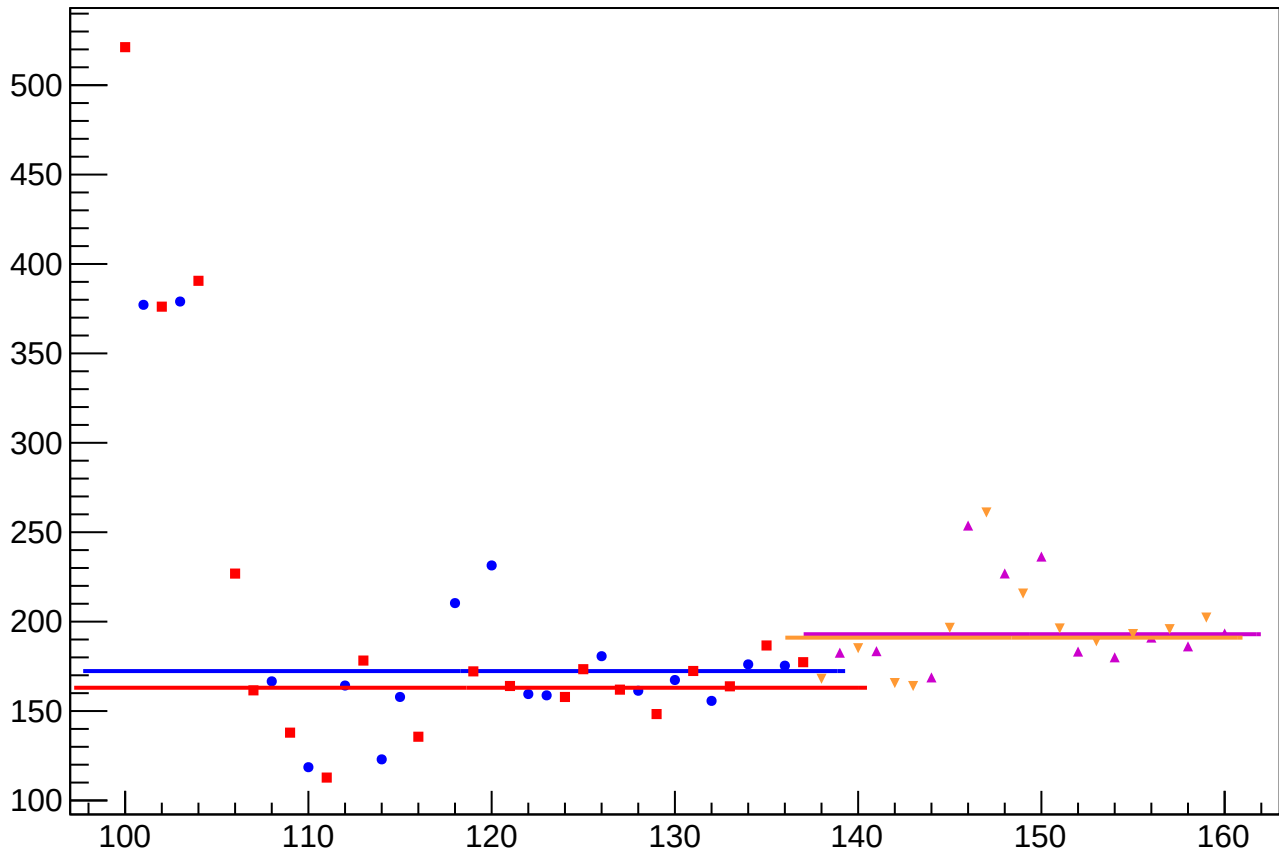
Left In: 152351.249 $\pm$ 0.065 χ^2 /NDF: 824201684.1/10

152623.629 $\pm$ 0.048 χ^2 /NDF: 1318271969.3/28

152616.653 $\pm$ 0.034 χ^2 /NDF: 289058206

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: 191.040 +/- 0.046 χ^2/NDF : 224335.7/11

Right Out: 163.029 +/- 0.047 χ^2/NDF : 1032736.0/18

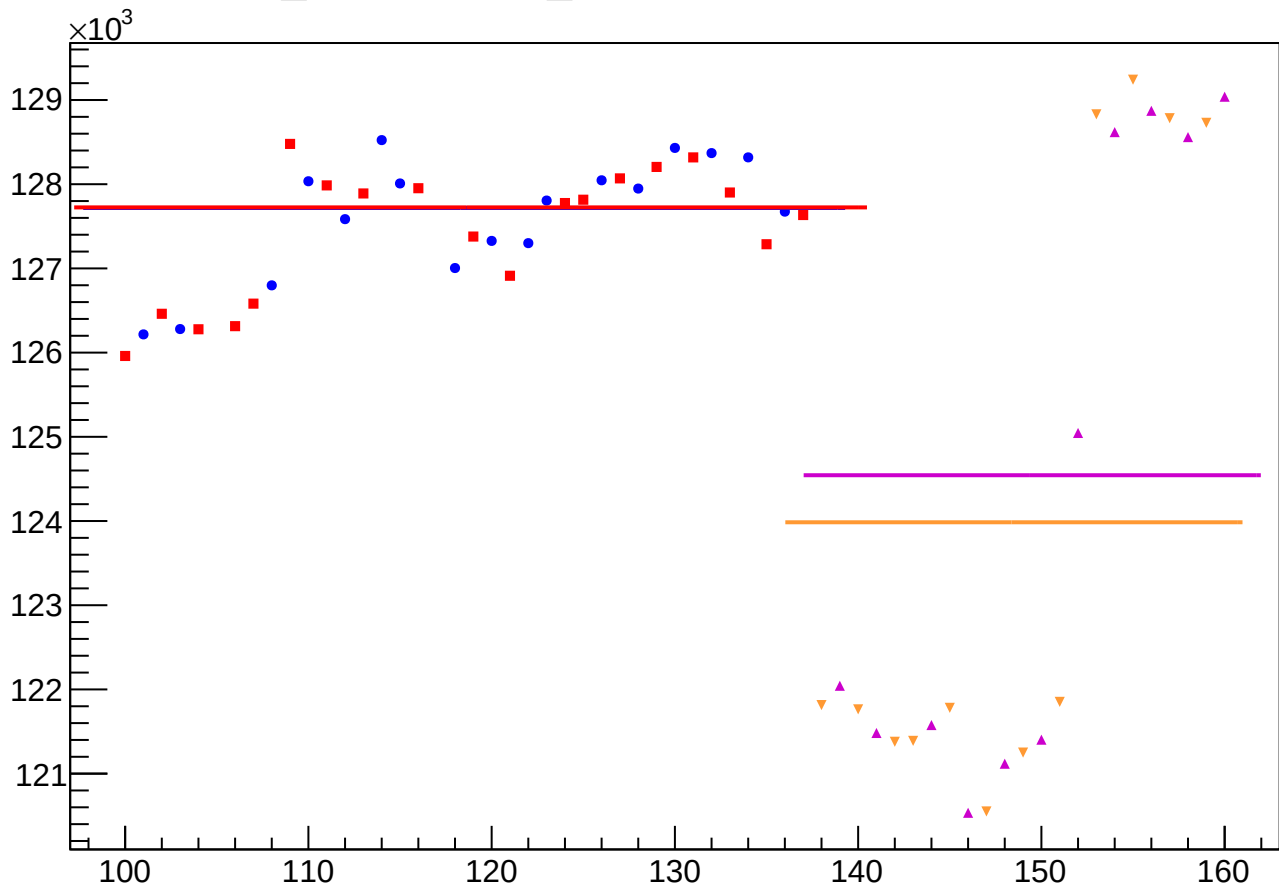
Left In: 192.960 +/- 0.046 χ^2/NDF : 242095.4/10

182.700 +/- 0.034 χ^2/NDF : 1220313.4/28

180.352 +/- 0.024 χ^2/NDF : 2711119.9/58

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: 123985.049 $\pm$ 0.056 χ^2 /NDF: 3793625874.6/11

Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18

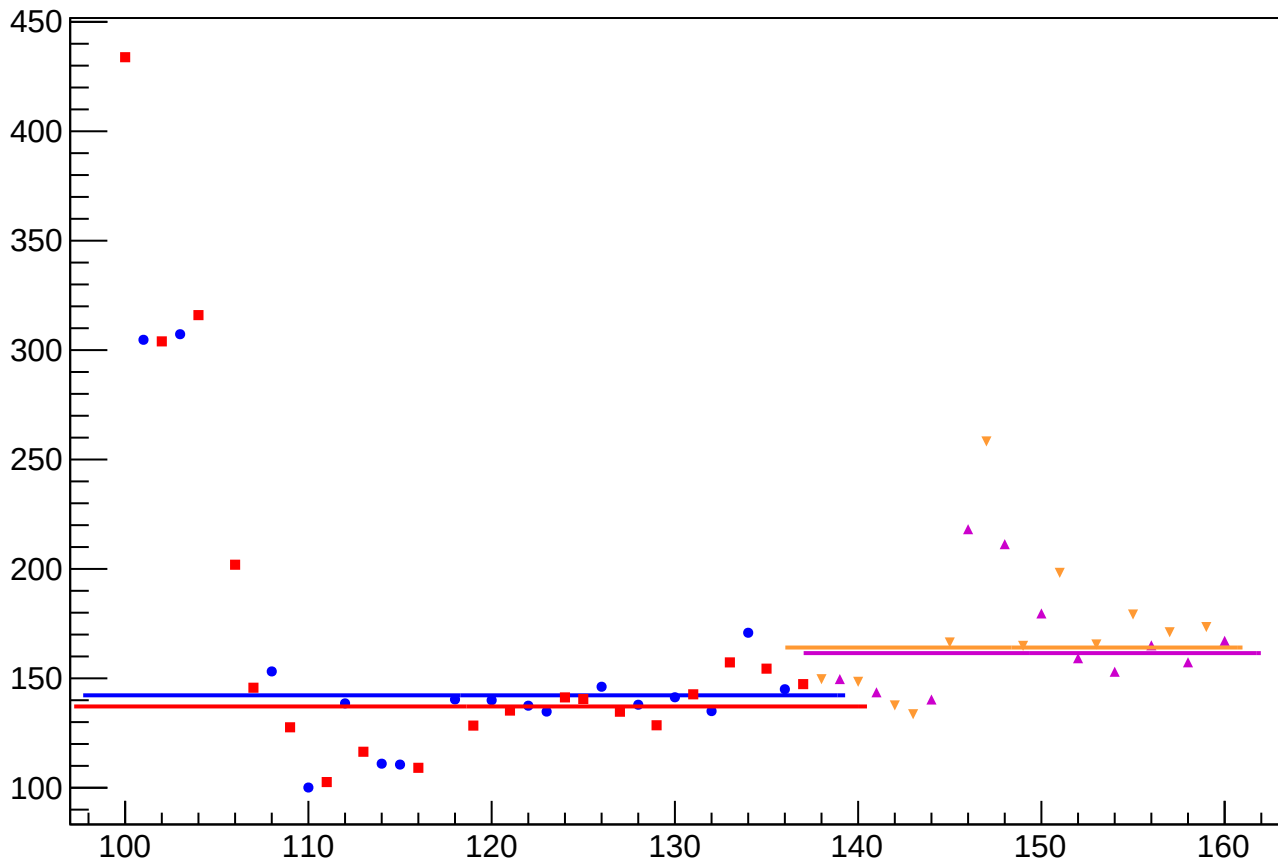
Left In: 124543.835 $\pm$ 0.055 χ^2 /NDF: 3873519852.4/10

125789.329 $\pm$ 0.041 χ^2 /NDF: 6007971403.6/28

125978.294 $\pm$ 0.028 χ^2 /NDF: 117191442

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: 164.082 +/- 0.040 χ^2/NDF : 396325.0/11

Right Out: 137.151 +/- 0.039 χ^2/NDF : 957730.8/18

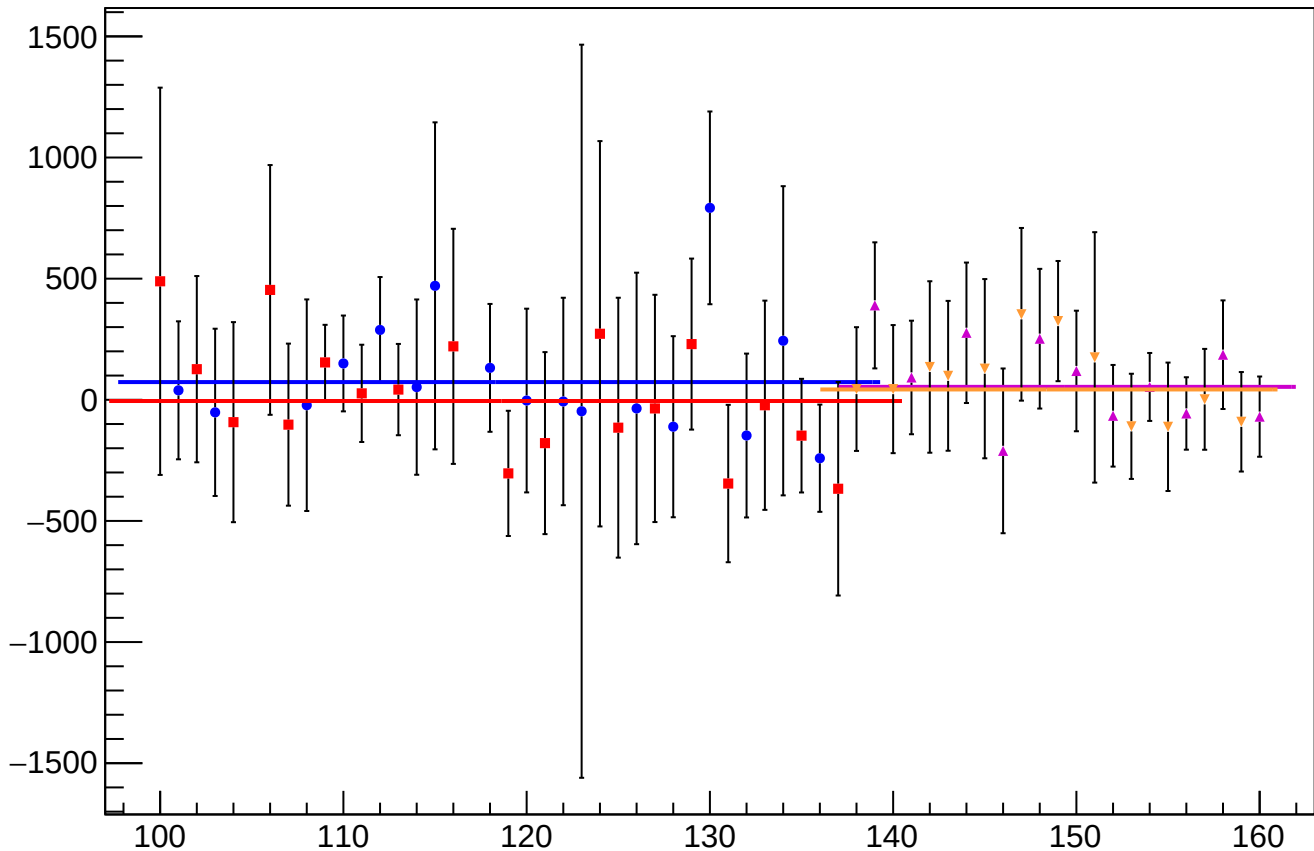
Left In: 161.529 +/- 0.039 χ^2/NDF : 289608.8/10

153.525 +/- 0.029 χ^2/NDF : 1377848.9/28

151.271 +/- 0.020 χ^2/NDF : 2834808.1/58

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: 42.639+/-77.731 χ^2/NDF : 3.6/11

Right Out: -5.021+/-70.098 χ^2/NDF : 7.1/18

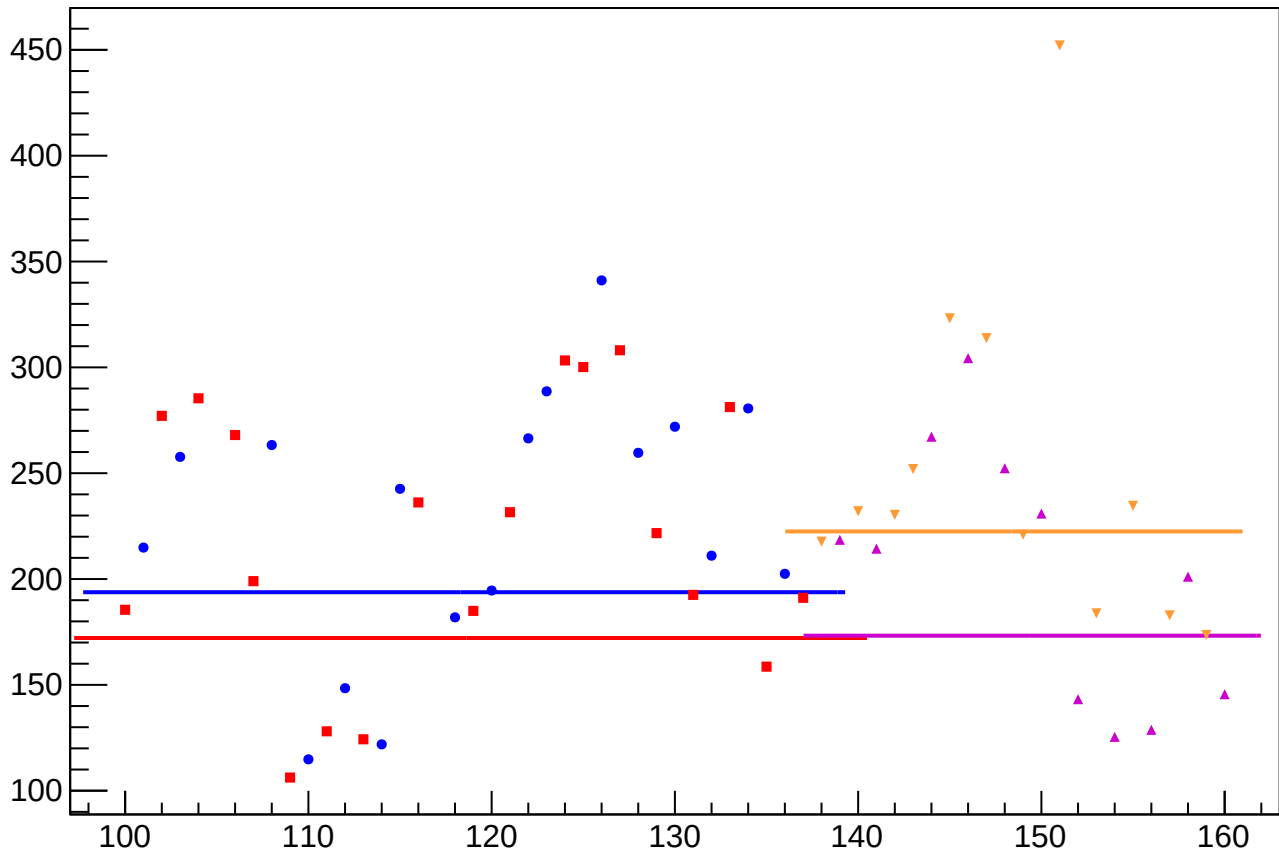
Left In: 53.430+/-62.455 χ^2/NDF : 5.2/10

57.512+/-55.615 χ^2/NDF : 11.5/28

39.927+/-35.733 χ^2/NDF : 24.3/58

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: 222.484 $\pm$ 0.055 χ^2 /NDF: 950310.1/11

Right Out: 172.142 $\pm$ 0.050 χ^2 /NDF: 1580035.1/18

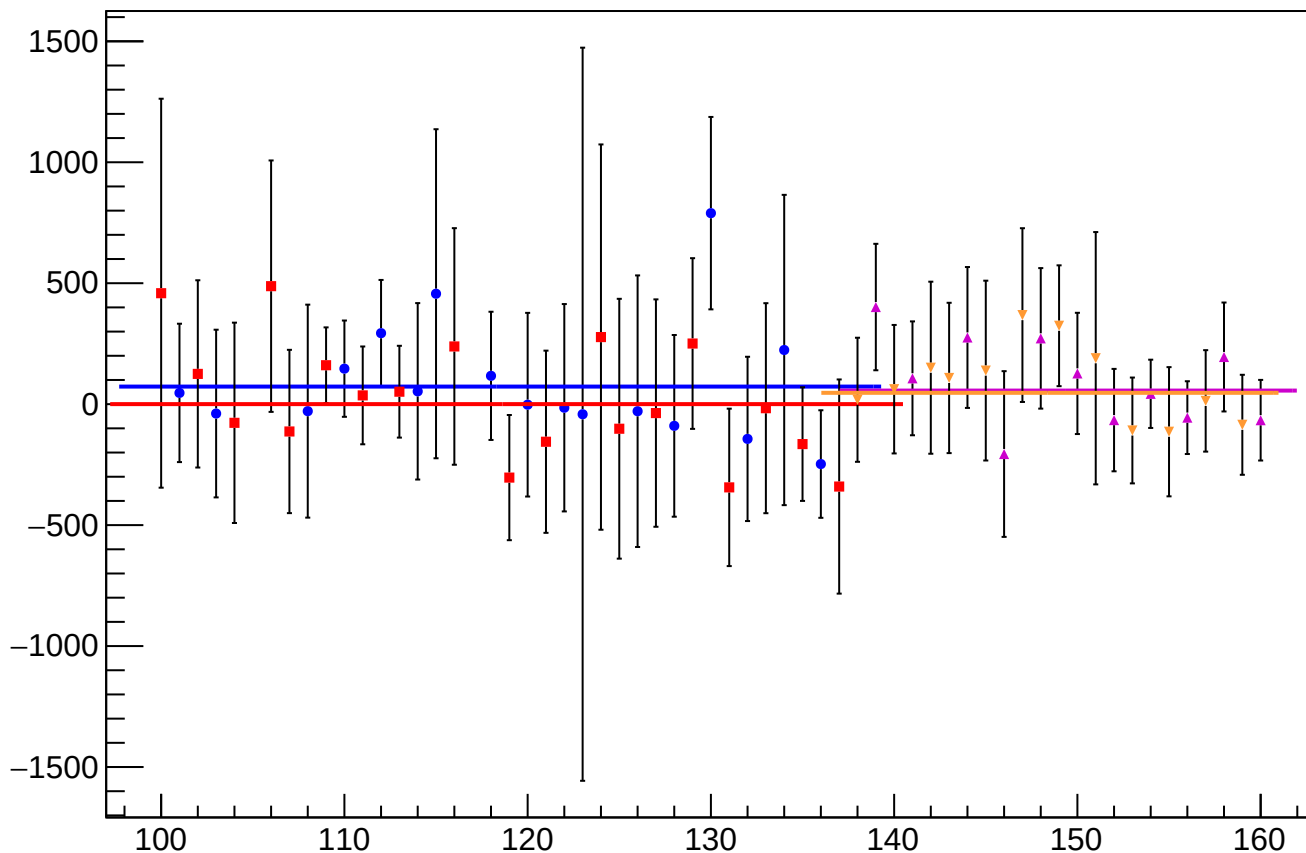
Left In: 173.241 $\pm$ 0.044 χ^2 /NDF: 1424626.5/10

208.470 $\pm$ 0.039 χ^2 /NDF: 2100582.1/28

187.499 $\pm$ 0.025 χ^2 /NDF: 5589846.6/58

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: 46.895 $\pm$ 78.227 χ^2/NDF : 3.6/11

Right Out: 0.181 $\pm$ 70.467 χ^2/NDF : 7.3/18

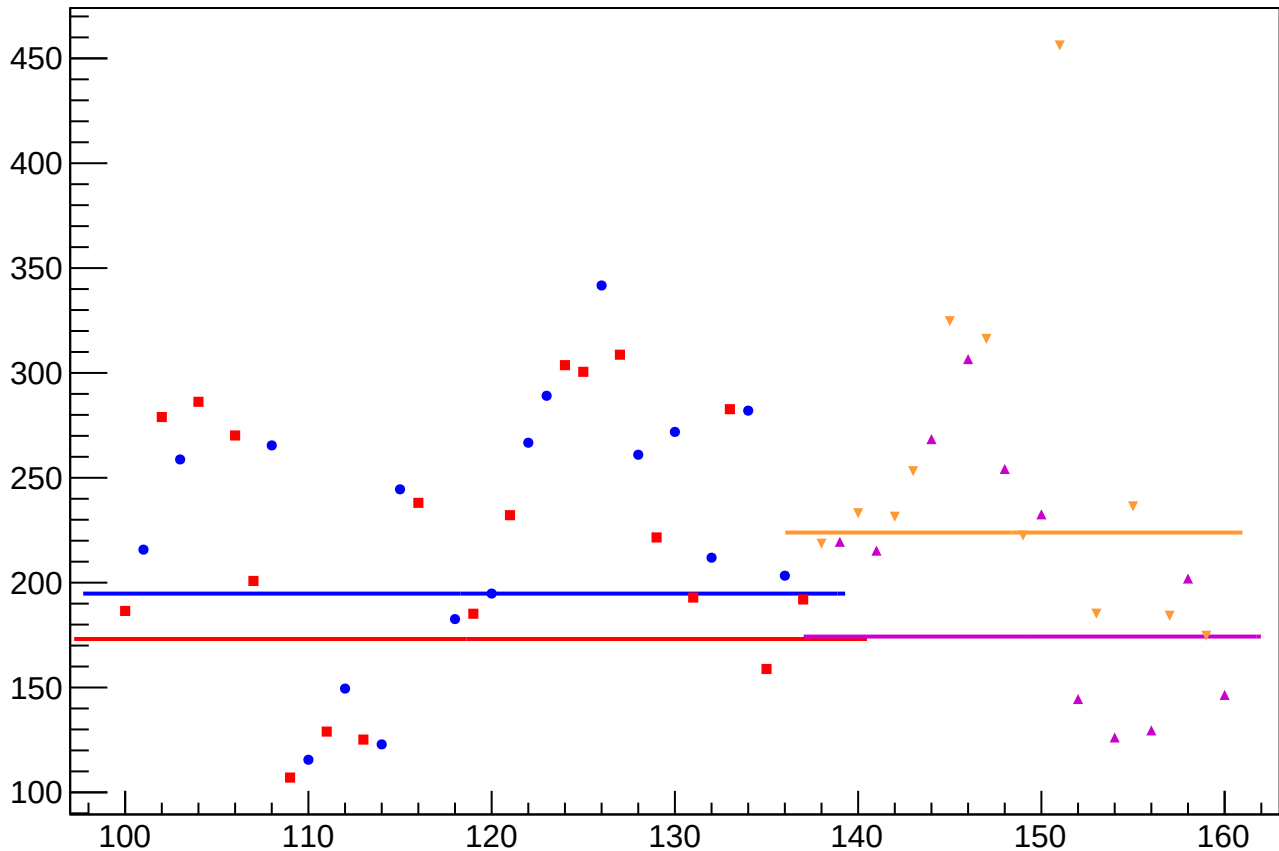
Left In: 56.150 $\pm$ 62.835 χ^2/NDF : 5.4/10

59.497 $\pm$ 55.928 χ^2/NDF : 11.4/28

42.976 $\pm$ 35.936 χ^2/NDF : 24.6/58

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: 223.897 $\pm$ 0.055 χ^2/NDF : 949829.0/11

Right Out: 173.131 $\pm$ 0.050 χ^2/NDF : 1567556.0/18

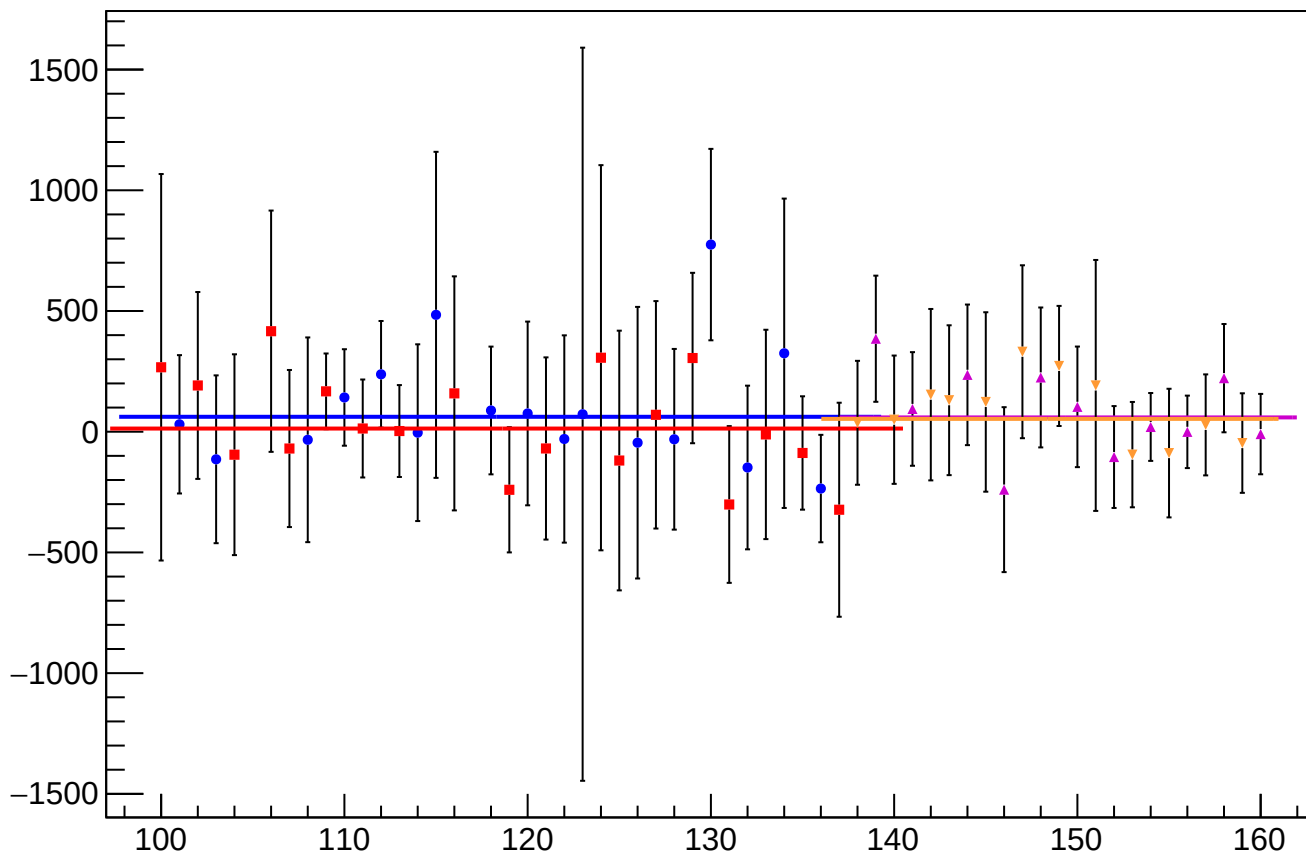
Left In: 174.296 $\pm$ 0.044 χ^2/NDF : 1422612.3/10

209.665 $\pm$ 0.040 χ^2/NDF : 2093555.9/28

188.595 $\pm$ 0.025 χ^2/NDF : 5567455.8/58

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: 53.185 $\pm$ 78.075 χ^2/NDF : 2.6/11

Right Out: 13.101 $\pm$ 70.391 χ^2/NDF : 5.8/18

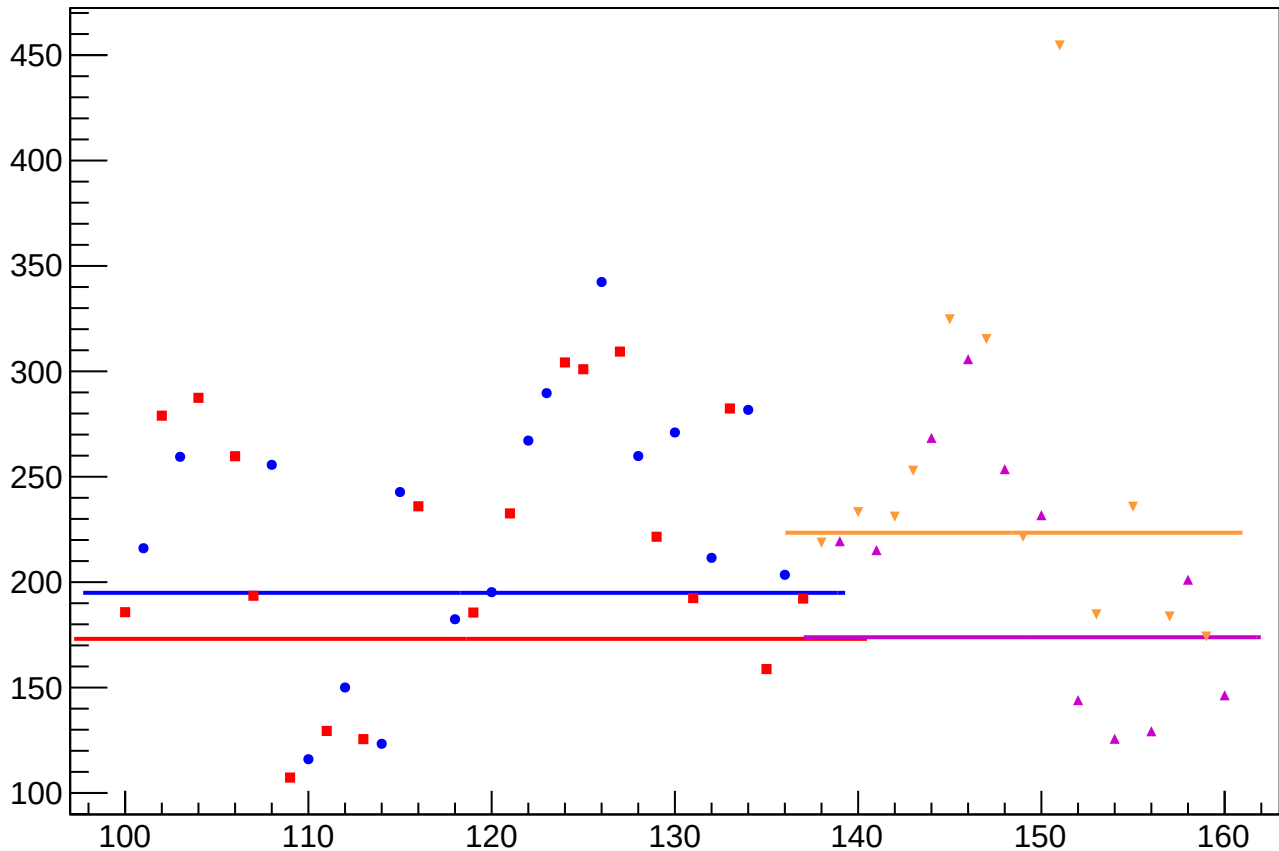
Left In: 59.228 $\pm$ 62.689 χ^2/NDF : 4.6/10

57.395 $\pm$ 55.871 χ^2/NDF : 9.9/28

46.485 $\pm$ 35.883 χ^2/NDF : 20.6/58

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: 223.453 $\pm$ 0.055 χ^2 /NDF: 951386.5/11

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

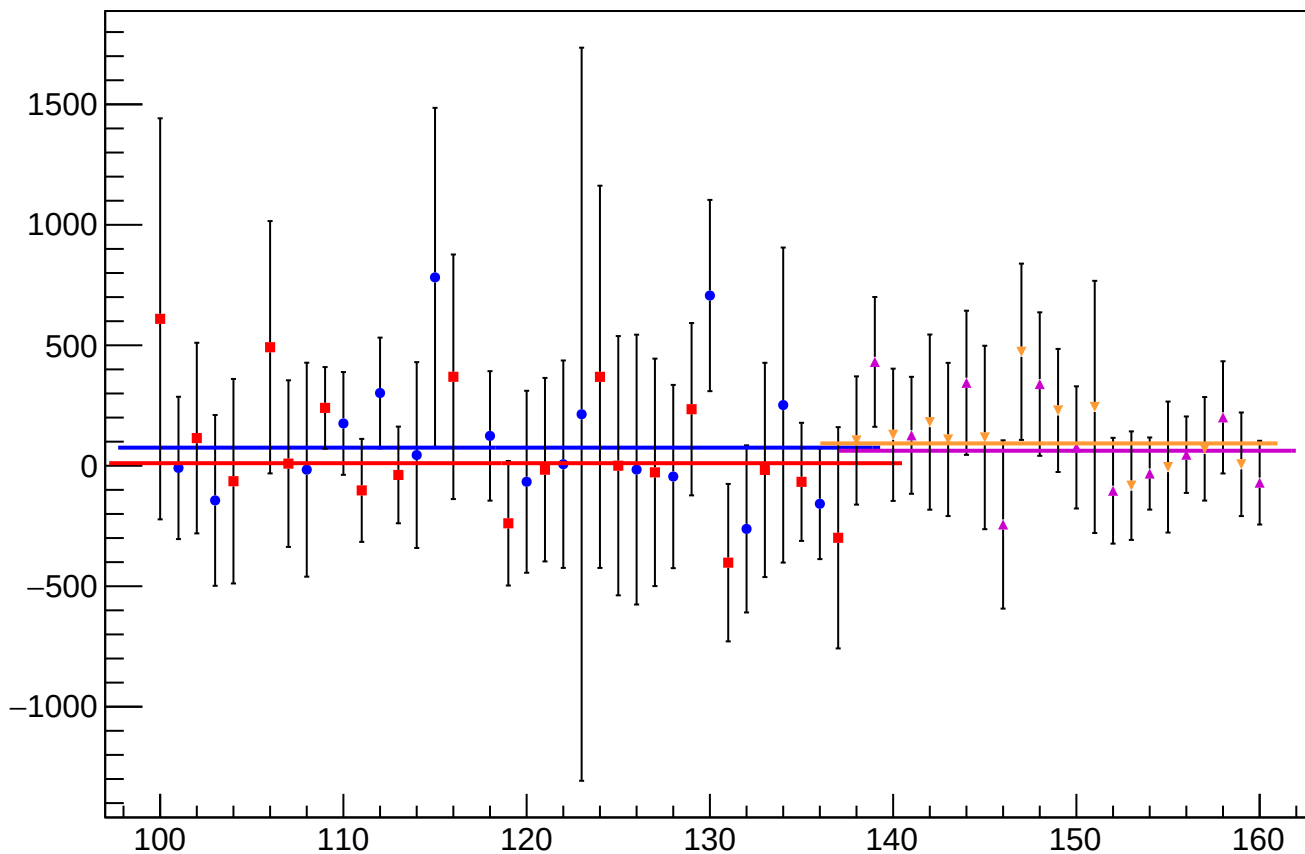
Left In: 173.874 $\pm$ 0.044 χ^2 /NDF: 1426373.9/10

209.541 $\pm$ 0.040 χ^2 /NDF: 2068175.1/28

188.387 $\pm$ 0.025 χ^2 /NDF: 5527397.1/58

173.535 $\pm$ 0.033 χ^2 /NDF: 2971229.5/29

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 92.756 $\pm$ 80.391 χ^2 /NDF: 2.4/11

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

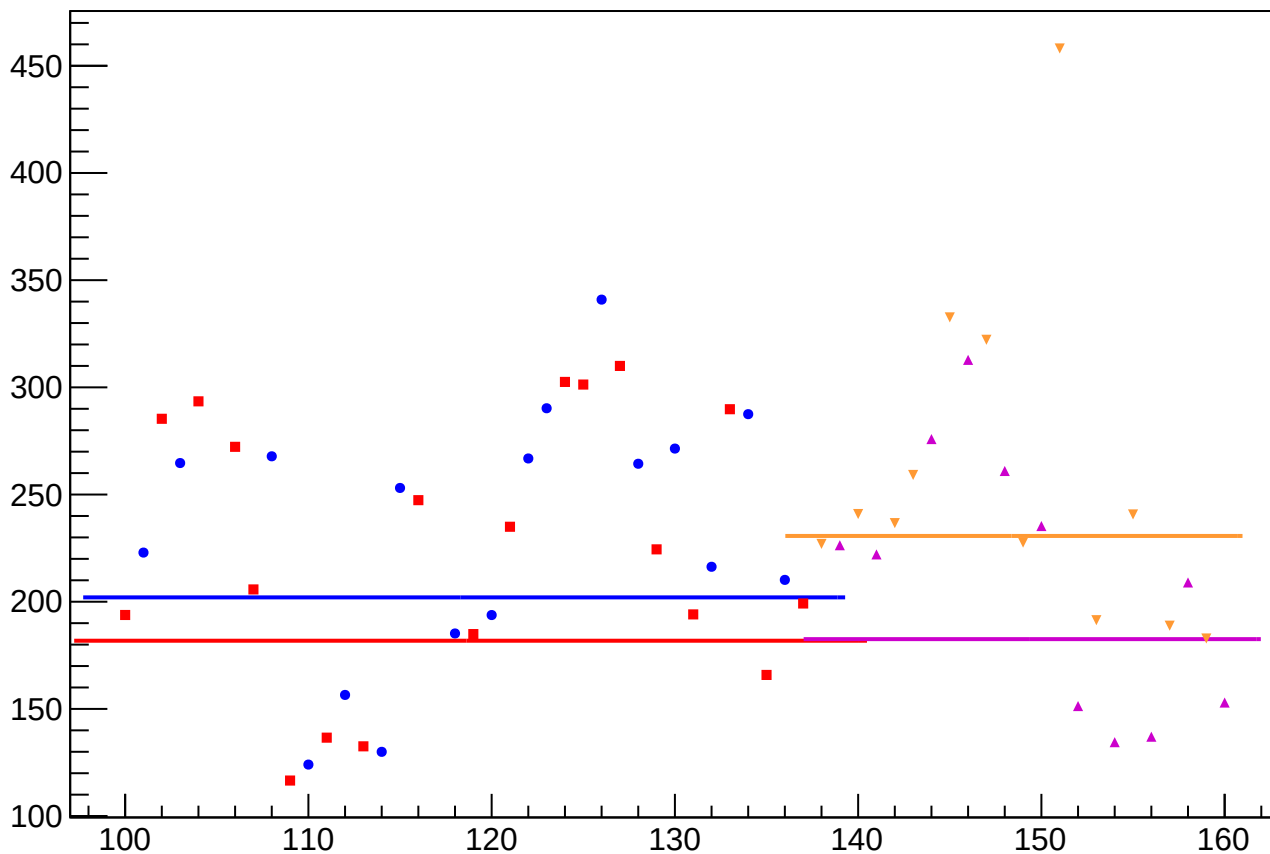
Left In: 62.350 $\pm$ 65.432 χ^2 /NDF: 6.4/10

84.209 $\pm$ 57.578 χ^2 /NDF: 10.1/28

58.170 $\pm$ 37.238 χ^2 /NDF: 24.9/58

39.446 $\pm$ 48.824 χ^2 /NDF: 14.5/29

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 +/- 0.058 χ^2/NDF : 881608.7/16

Left Out: 230.685 +/- 0.057 χ^2/NDF : 904664.6/11

Right Out: 181.811 +/- 0.052 χ^2/NDF : 1377537.2/18

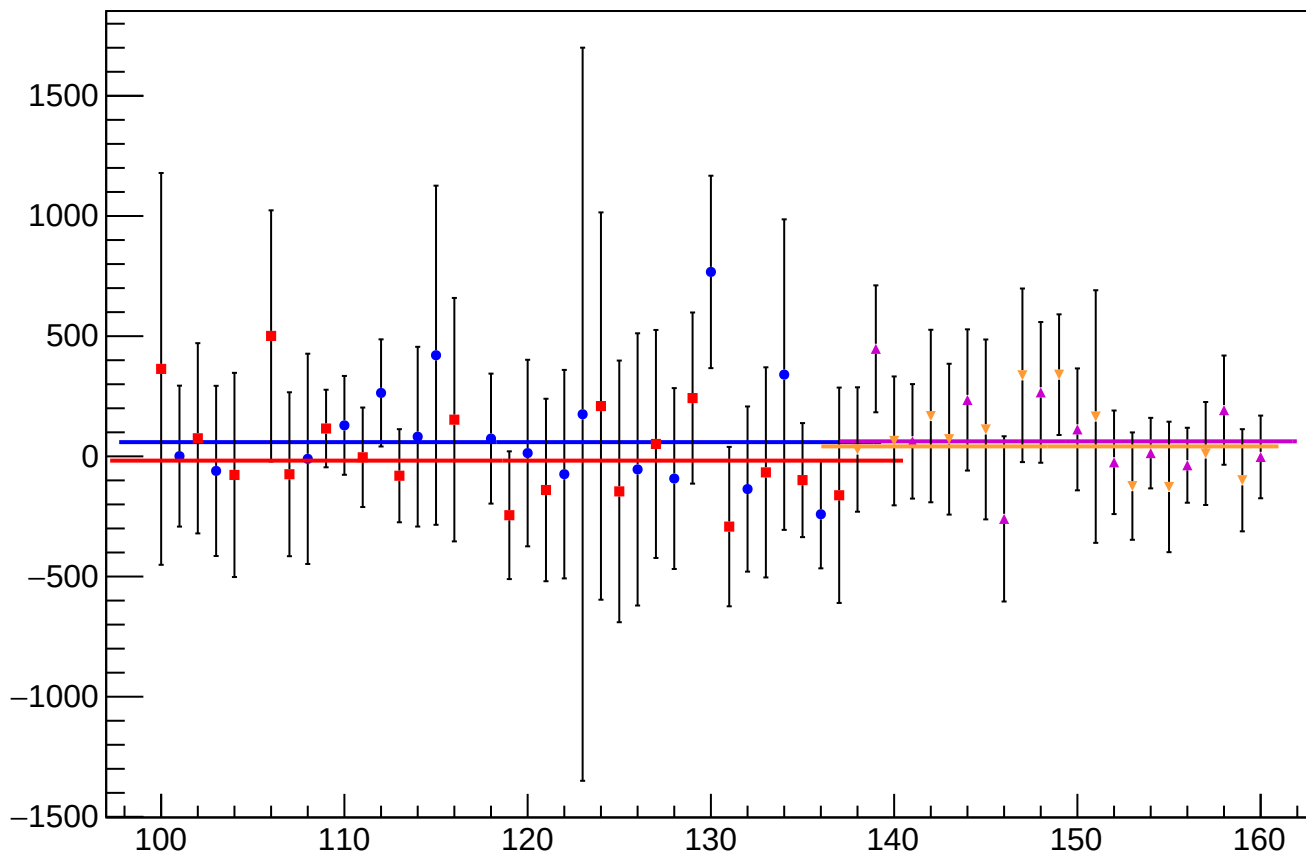
Left In: 182.552 +/- 0.046 χ^2/NDF : 1298883.3/10

216.729 +/- 0.041 χ^2/NDF : 1910035.3/28

196.657 +/- 0.026 χ^2/NDF : 5004395.7/58

182.224 +/- 0.035 χ^2/NDF : 2676534.0/29

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 41.484+/-79.403 χ^2/NDF : 3.7/11

Right Out: -17.727+/-71.900 χ^2/NDF : 4.7/18

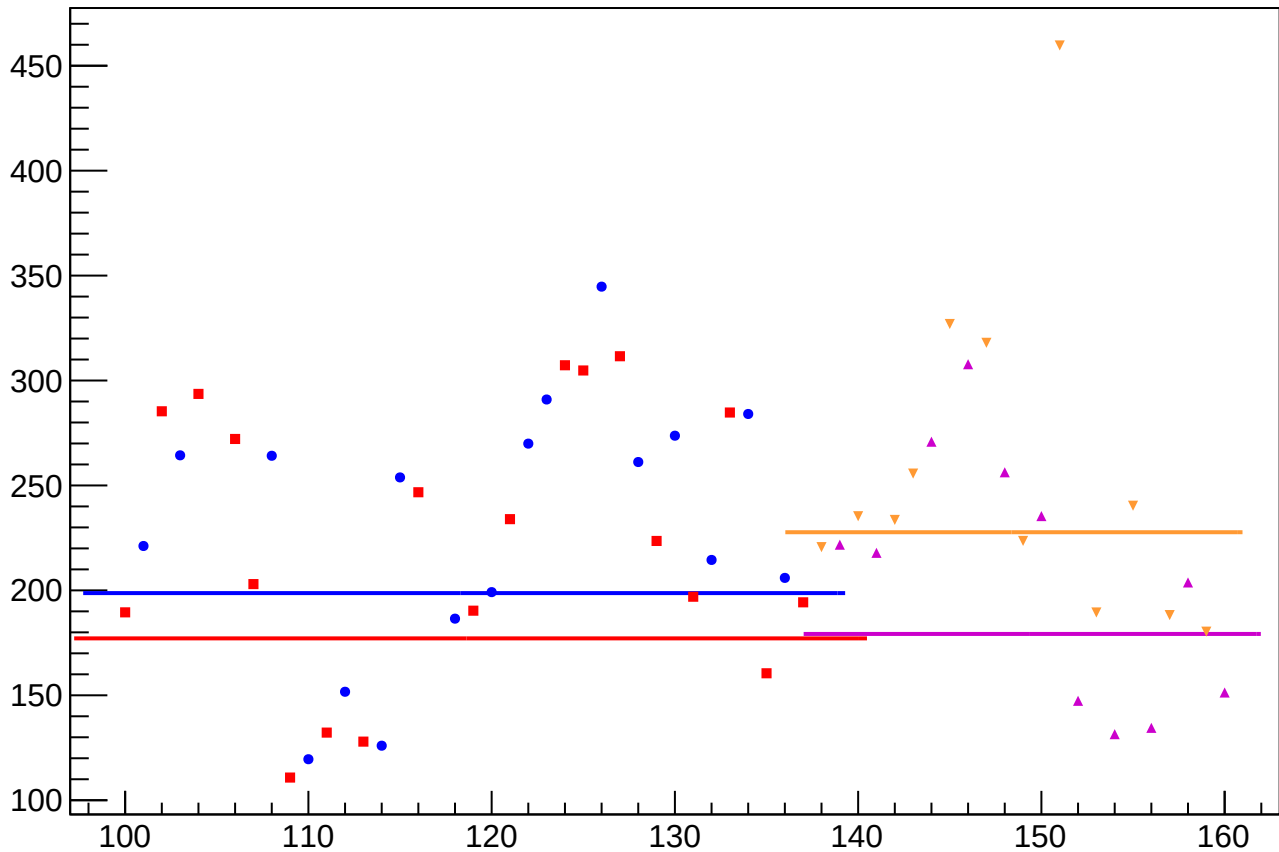
Left In: 62.532+/-64.343 χ^2/NDF : 5.0/10

50.108+/-56.845 χ^2/NDF : 10.9/28

36.512+/-36.651 χ^2/NDF : 21.3/58

26.840+/-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: 227.708 $\pm$ 0.056 χ^2 /NDF: 905623.3/11

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

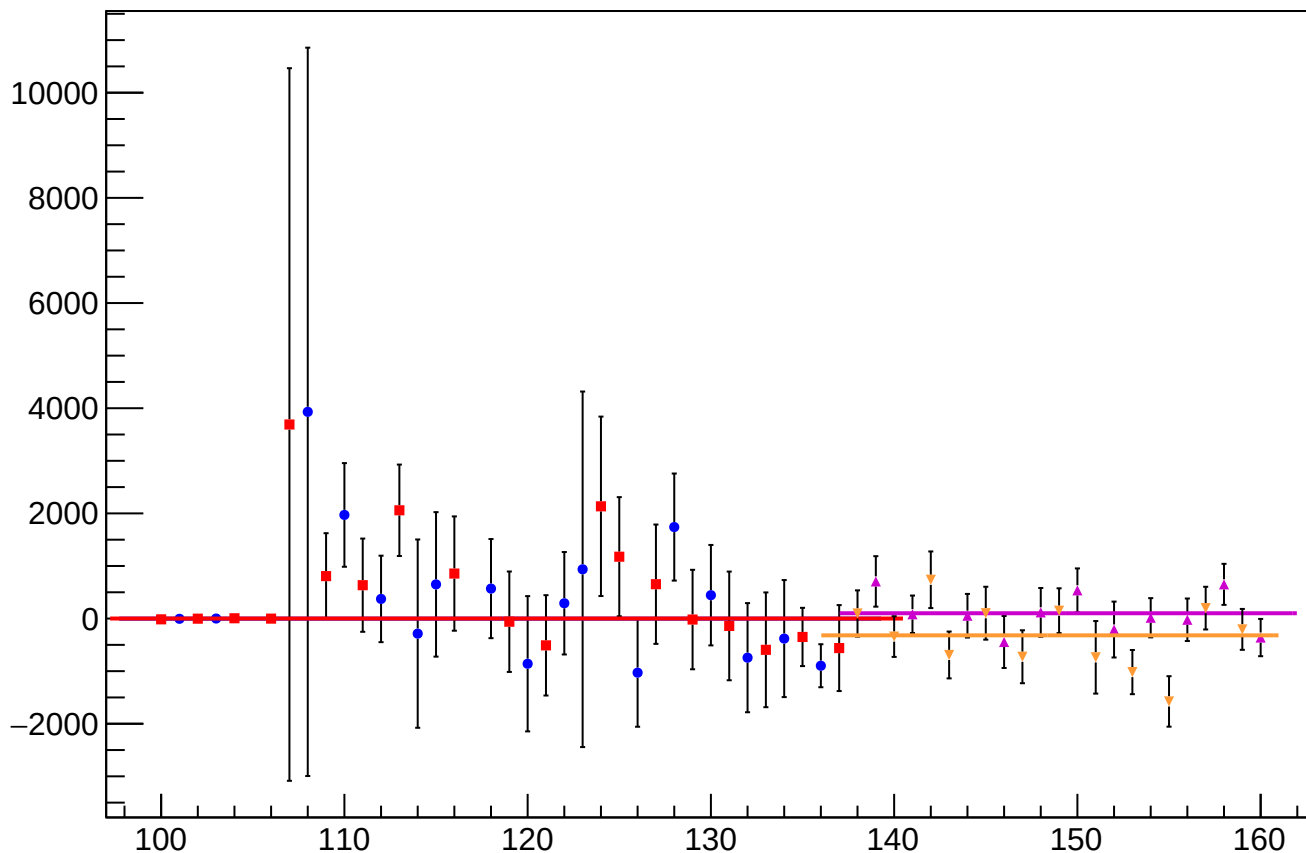
Left In: 179.240 $\pm$ 0.045 χ^2 /NDF: 1311514.5/10

213.569 $\pm$ 0.040 χ^2 /NDF: 1999108.5/28

192.961 $\pm$ 0.026 χ^2 /NDF: 5286342.8/58

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: -318.849 ± 130.679 χ^2/NDF : 19.7/11

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

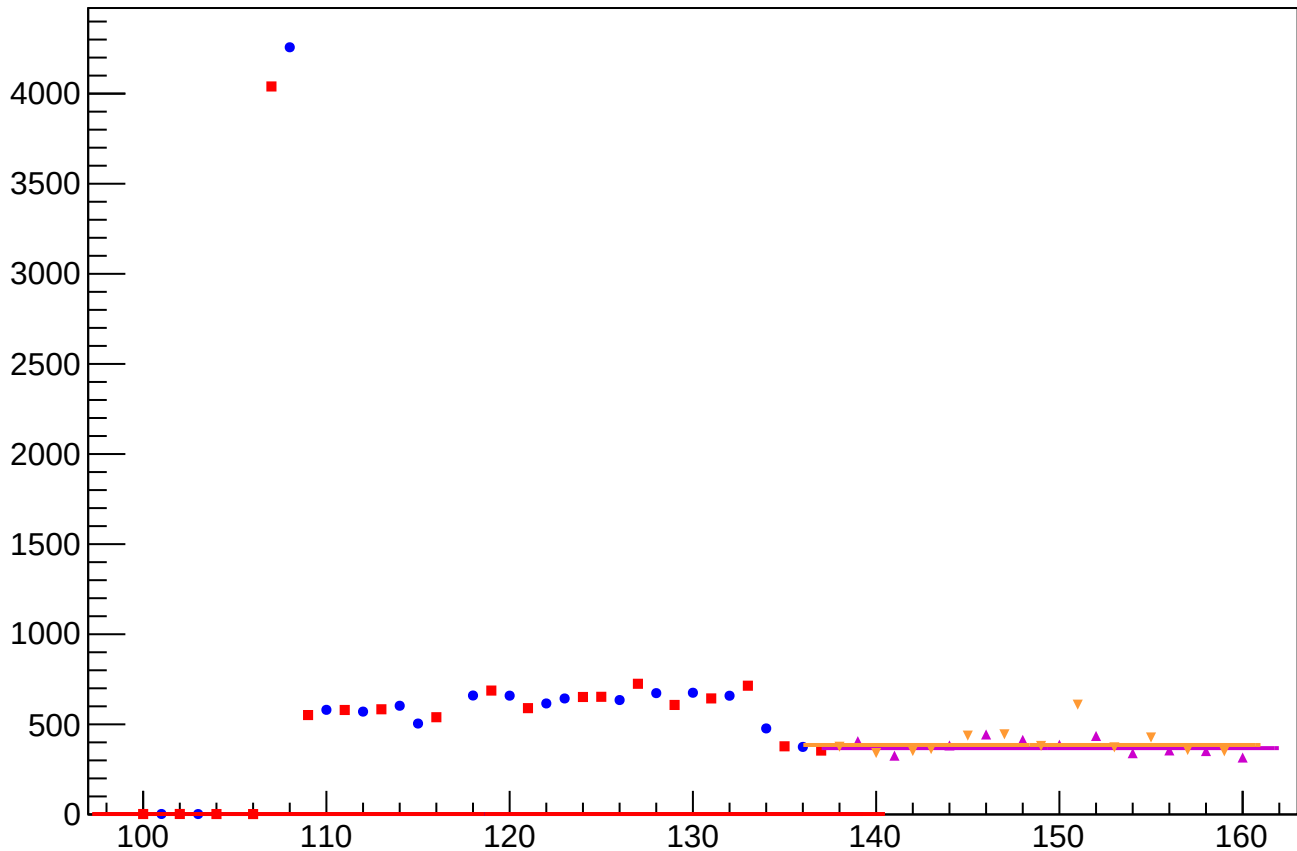
Left In: 101.351 ± 125.103 χ^2/NDF : 8.1/10

-1.623 ± 2.251 χ^2/NDF : 42.3/28

-0.355 ± 1.540 χ^2/NDF : 70.0/58

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: 385.516+/-0.092 χ^2/NDF : 343325.8/11

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

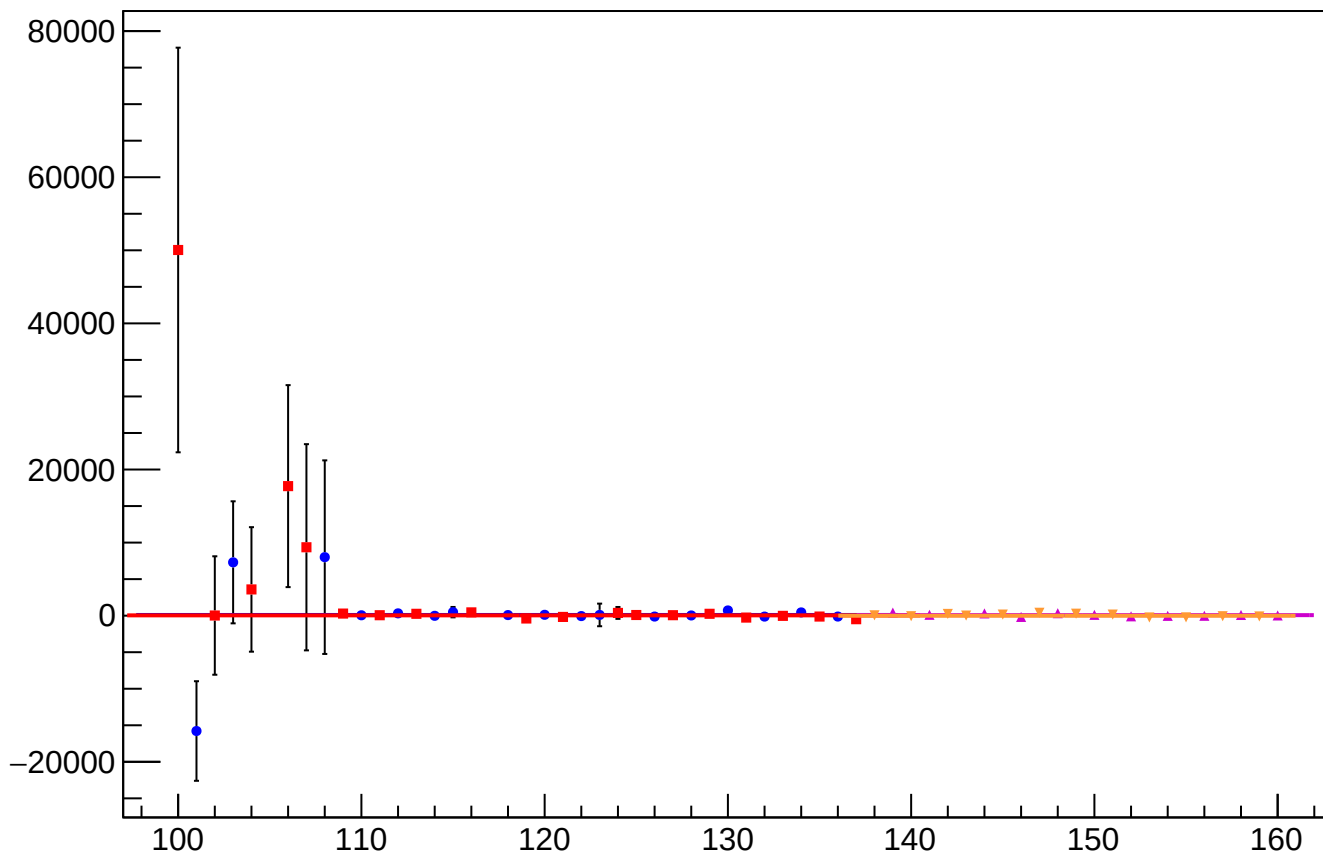
Left In: 368.050+/-0.088 χ^2/NDF : 206403.9/10

2.570+/-0.002 χ^2/NDF : 28229688.5/28

2.554+/-0.001 χ^2/NDF : 56653601.8/58

2.541+/-0.001 χ^2/NDF : 28423736.1/29

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -7.768+/-85.167 χ^2/NDF : 4.7/11

Right Out: 42.617+/-84.547 χ^2/NDF : 14.0/18

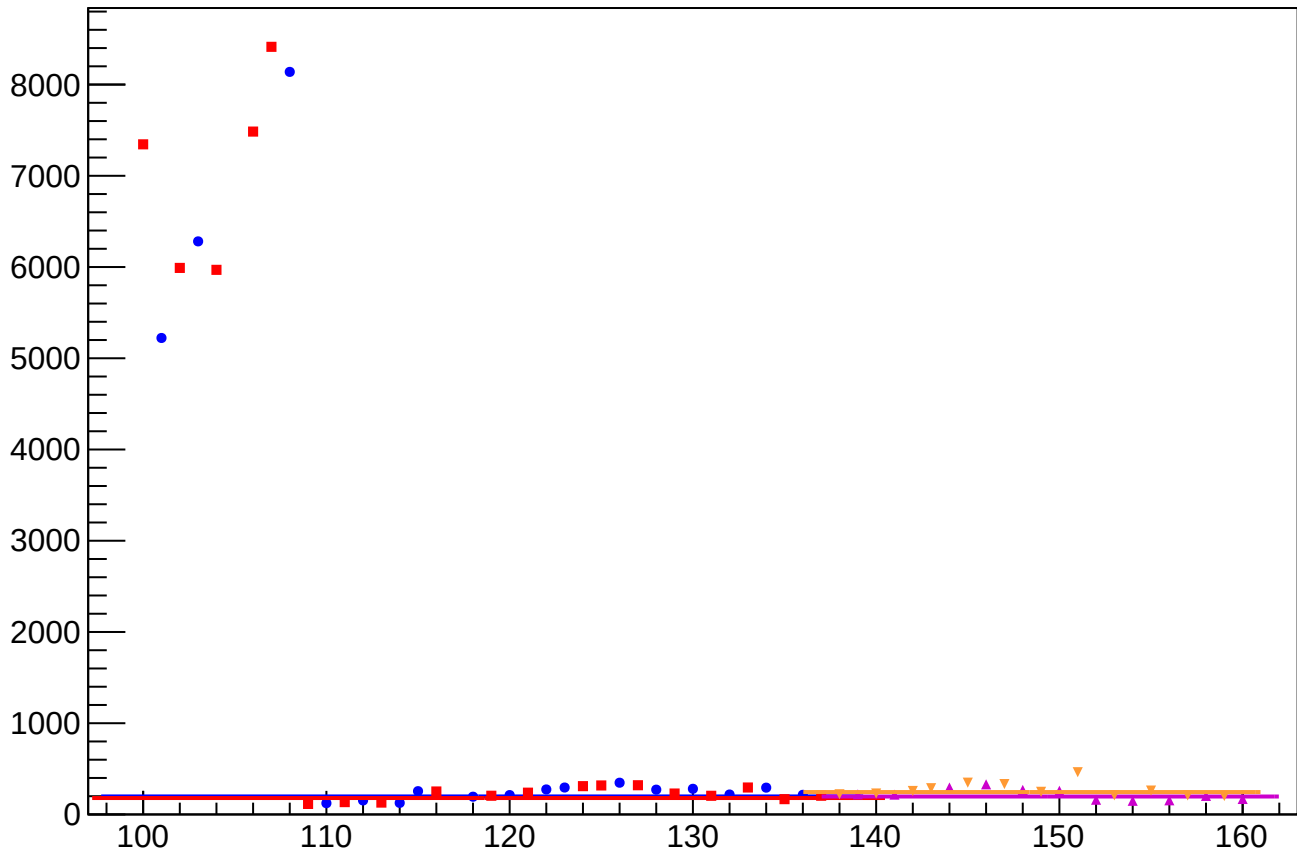
Left In: 72.207+/-69.834 χ^2/NDF : 4.7/10

39.984+/-62.406 χ^2/NDF : 17.3/28

51.577+/-40.766 χ^2/NDF : 36.2/58

60.207+/-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: 245.618+/-0.060 χ^2/NDF : 807442.6/11

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

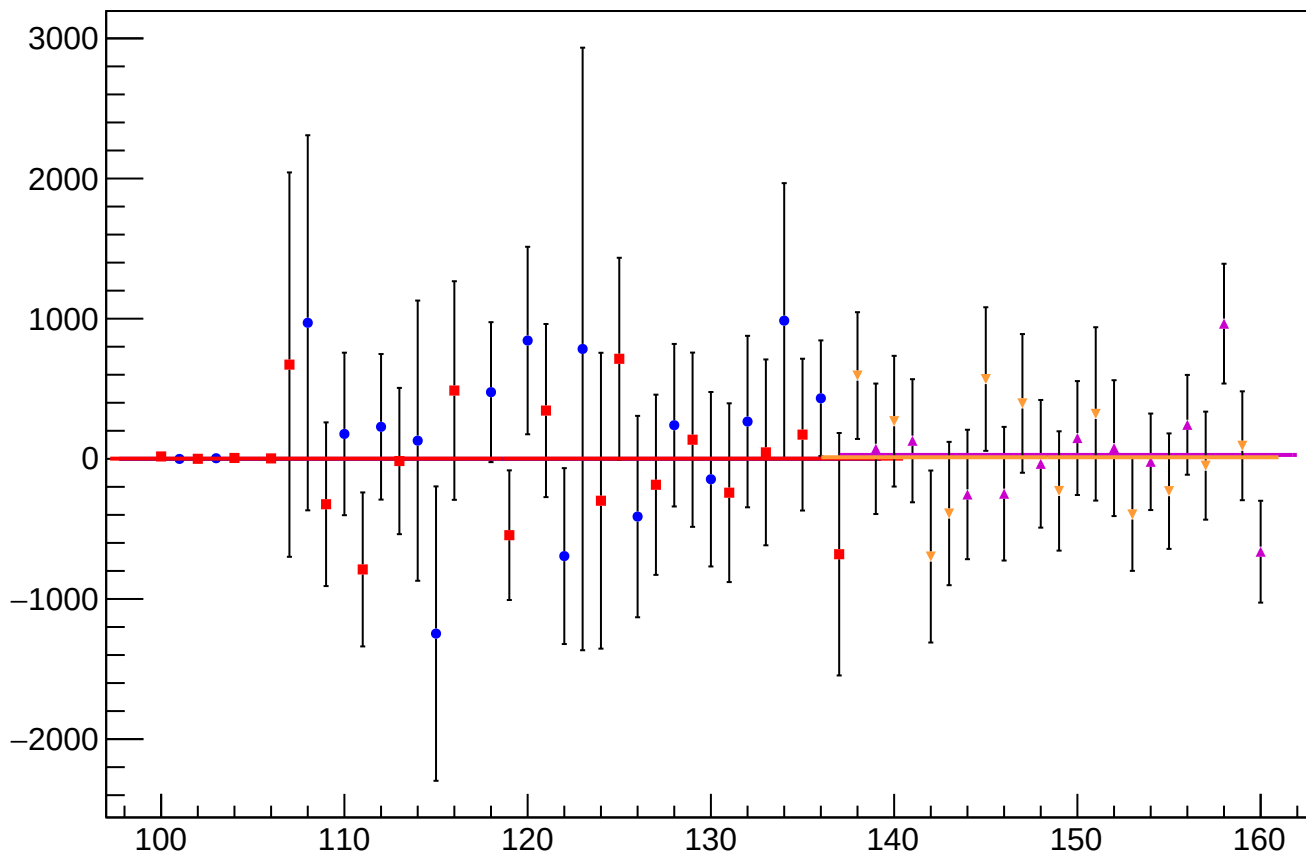
Left In: 196.630+/-0.049 χ^2/NDF : 1052158.9/10

223.300+/-0.044 χ^2/NDF : 4799879.3/28

204.140+/-0.029 χ^2/NDF : 10548373.0/58

189.878+/-0.038 χ^2/NDF : 5419653.8/29

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 11.049 ± 131.977 χ^2/NDF : 7.7/11

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.5/18

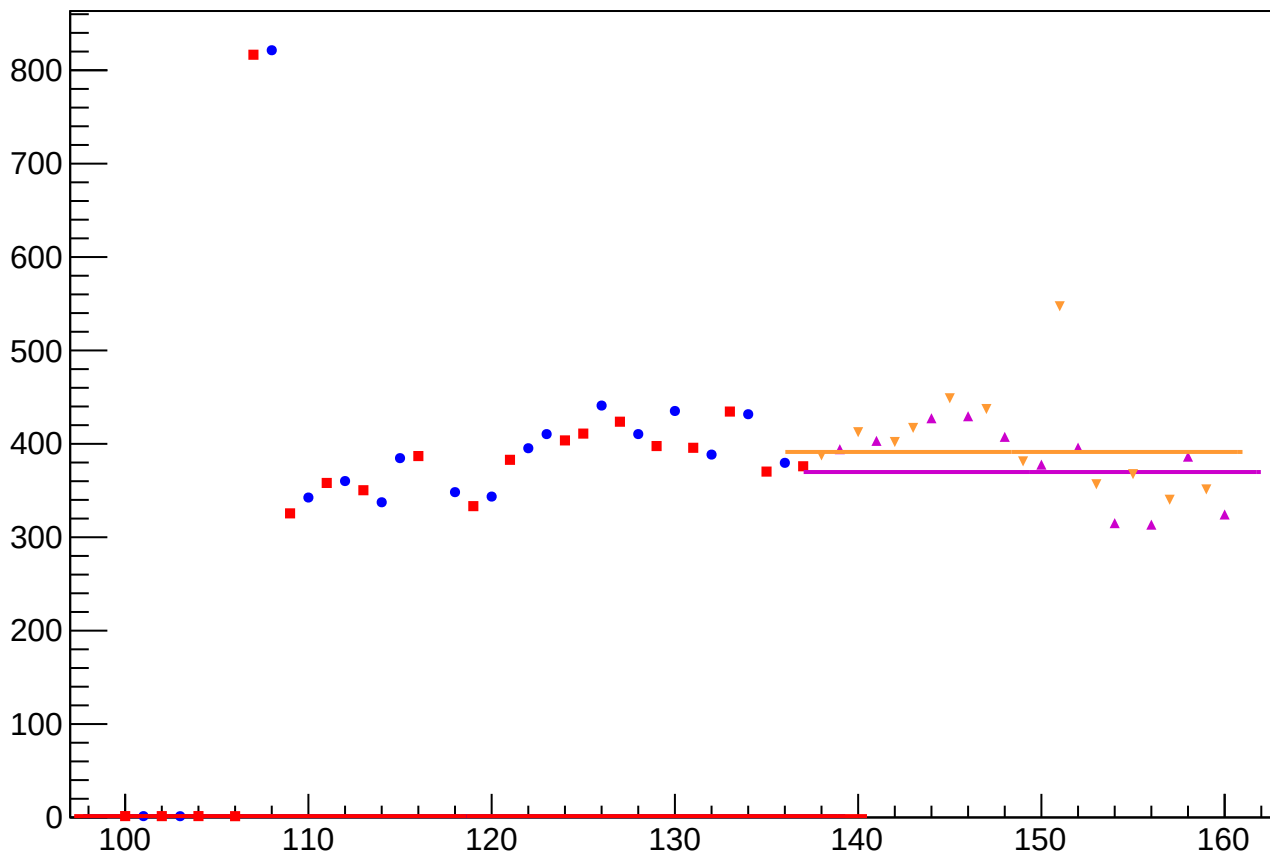
Left In: 27.731 ± 125.600 χ^2/NDF : 9.7/10

-0.137 ± 1.736 χ^2/NDF : 17.5/28

0.645 ± 1.185 χ^2/NDF : 37.1/58

1.328 ± 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: 391.325+/-0.093 χ^2/NDF : 258642.8/11

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

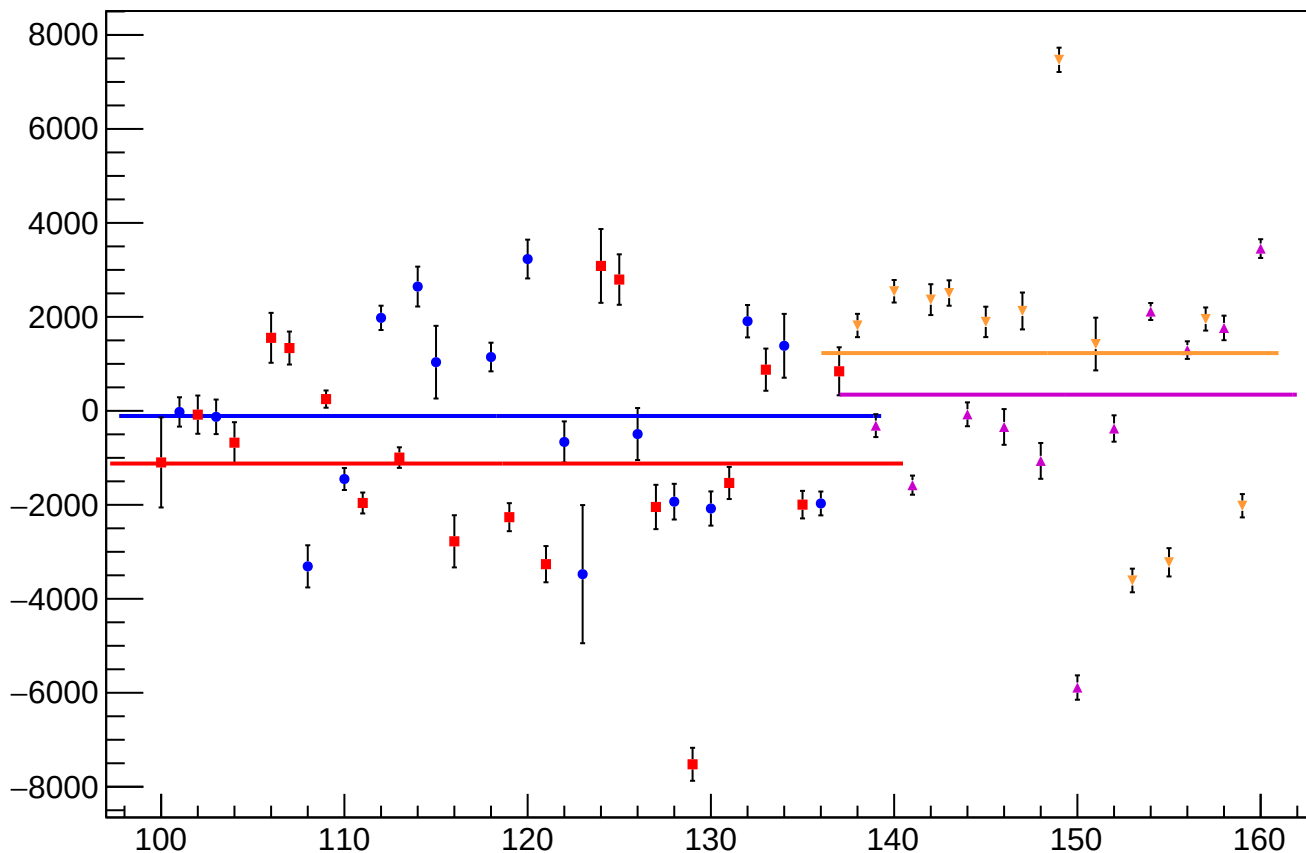
Left In: 369.828+/-0.089 χ^2/NDF : 234632.3/10

1.520+/-0.001 χ^2/NDF : 28524966.6/28

1.516+/-0.001 χ^2/NDF : 56834614.7/58

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: 1229.693 ± 81.548 χ^2/NDF : 1430.7/11

Right Out: -1121.203 ± 78.396 χ^2/NDF : 670.1/18

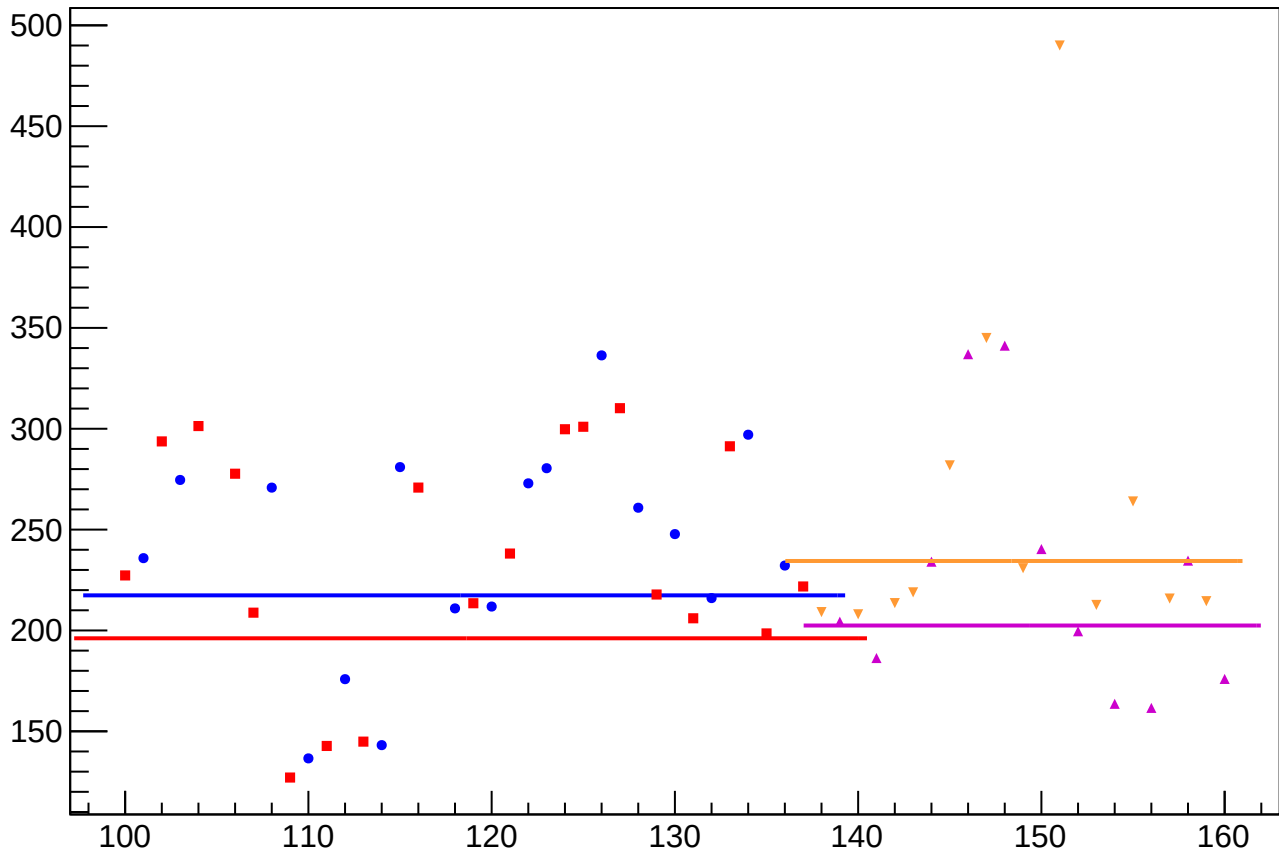
Left In: 344.979 ± 71.304 χ^2/NDF : 1094.3/10

610.821 ± 59.802 χ^2/NDF : 1983.6/28

87.980 ± 39.559 χ^2/NDF : 4075.3/58

-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: 234.445 $\pm$ 0.058 χ^2 /NDF: 735628.7/11

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

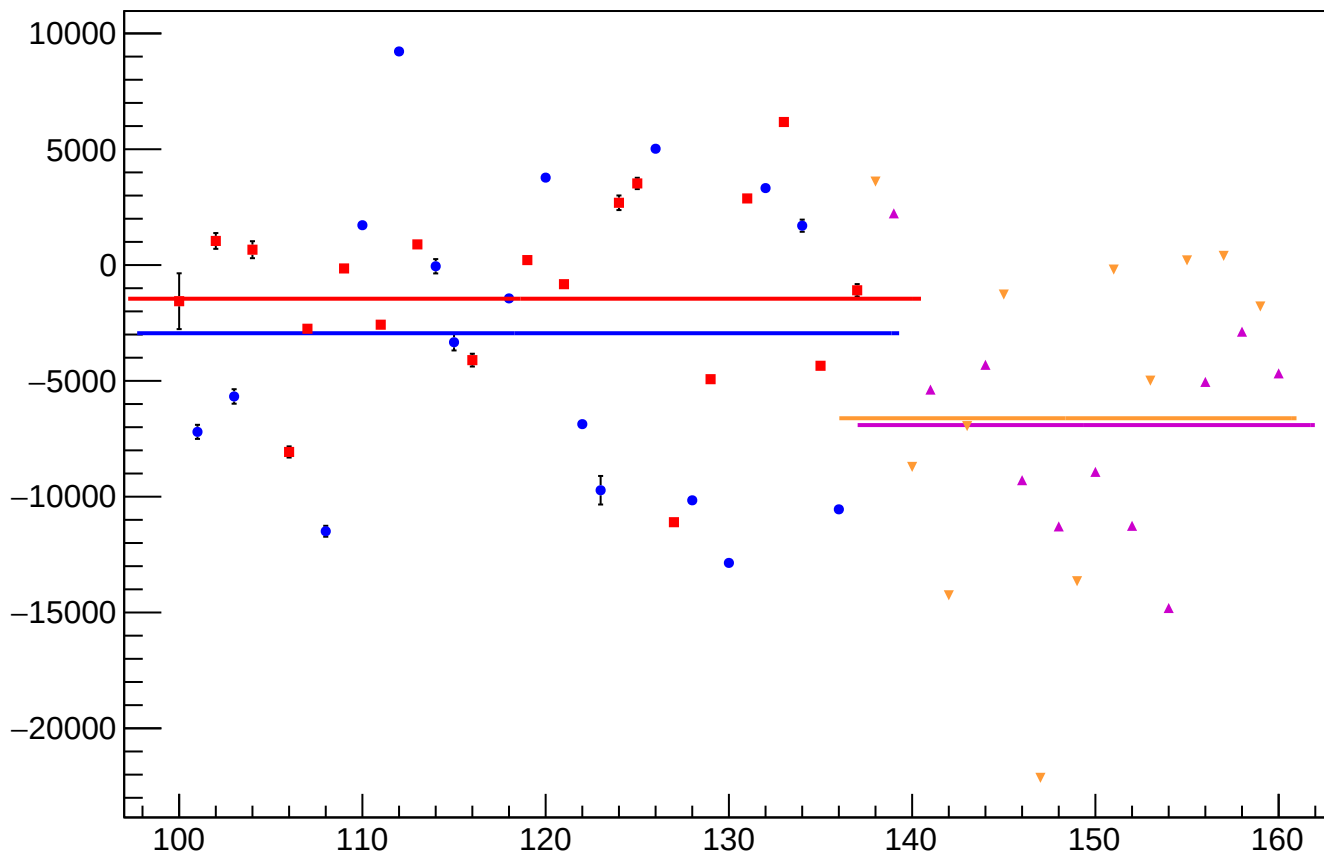
Left In: 202.448 $\pm$ 0.050 χ^2 /NDF: 854373.3/10

226.568 $\pm$ 0.042 χ^2 /NDF: 1428636.1/28

211.389 $\pm$ 0.028 χ^2 /NDF: 3710115.0/58

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: -6613.344+/-42.576 χ^2/NDF : 32436.3/11

Right Out: -1453.116+/-46.404 χ^2/NDF : 7996.0/18

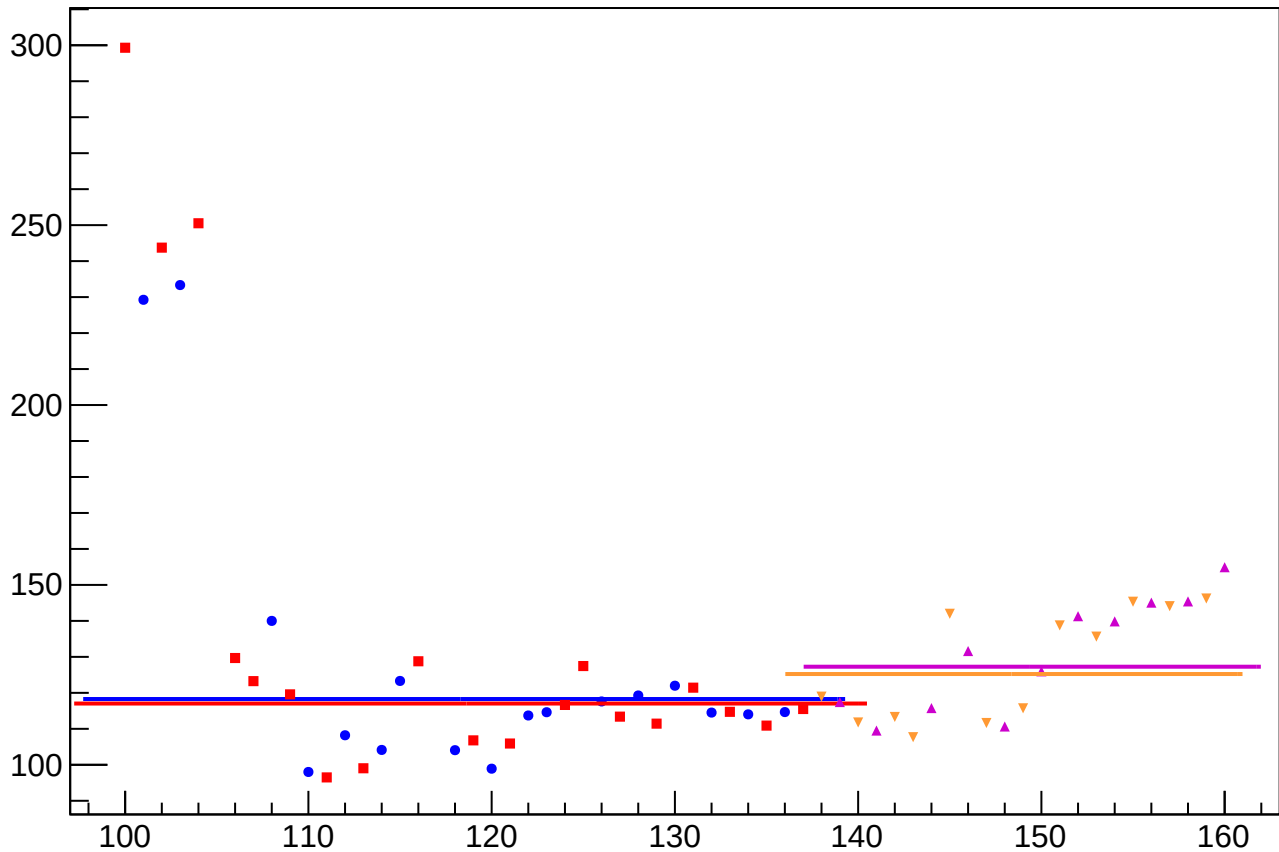
Left In: -6908.485+/-43.223 χ^2/NDF : 10762.5/10

-5020.142+/-32.028 χ^2/NDF : 56572.0/28

-4693.075+/-22.505 χ^2/NDF : 82936.8/58

-4374.132+/-31.628 χ^2/NDF : 26158.9/29

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286 $\pm$ 0.034 χ^2/NDF : 636918.0/16

Left Out: 125.232 $\pm$ 0.030 χ^2/NDF : 237695.1/11

Right Out: 117.031 $\pm$ 0.033 χ^2/NDF : 690861.5/18

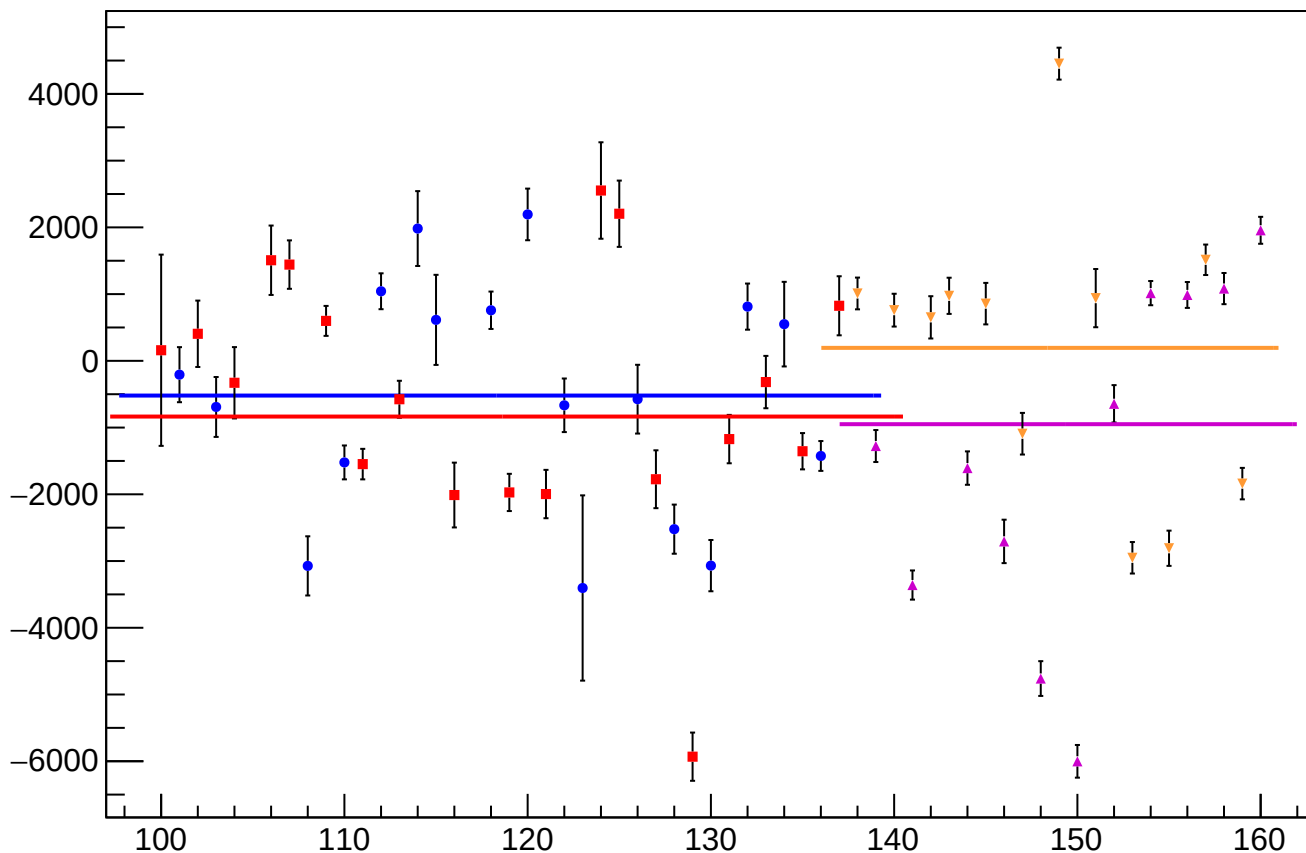
Left In: 127.267 $\pm$ 0.031 χ^2/NDF : 234833.3/10

122.217 $\pm$ 0.023 χ^2/NDF : 897725.9/28

122.366 $\pm$ 0.016 χ^2/NDF : 1875608.9/58

122.512 $\pm$ 0.022 χ^2/NDF : 977797.0/29

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267±/89.241 χ^2/NDF : 288.1/16

Left Out: 194.529±/76.567 χ^2/NDF : 783.6/11

Right Out: -834.834±/82.273 χ^2/NDF : 434.7/18

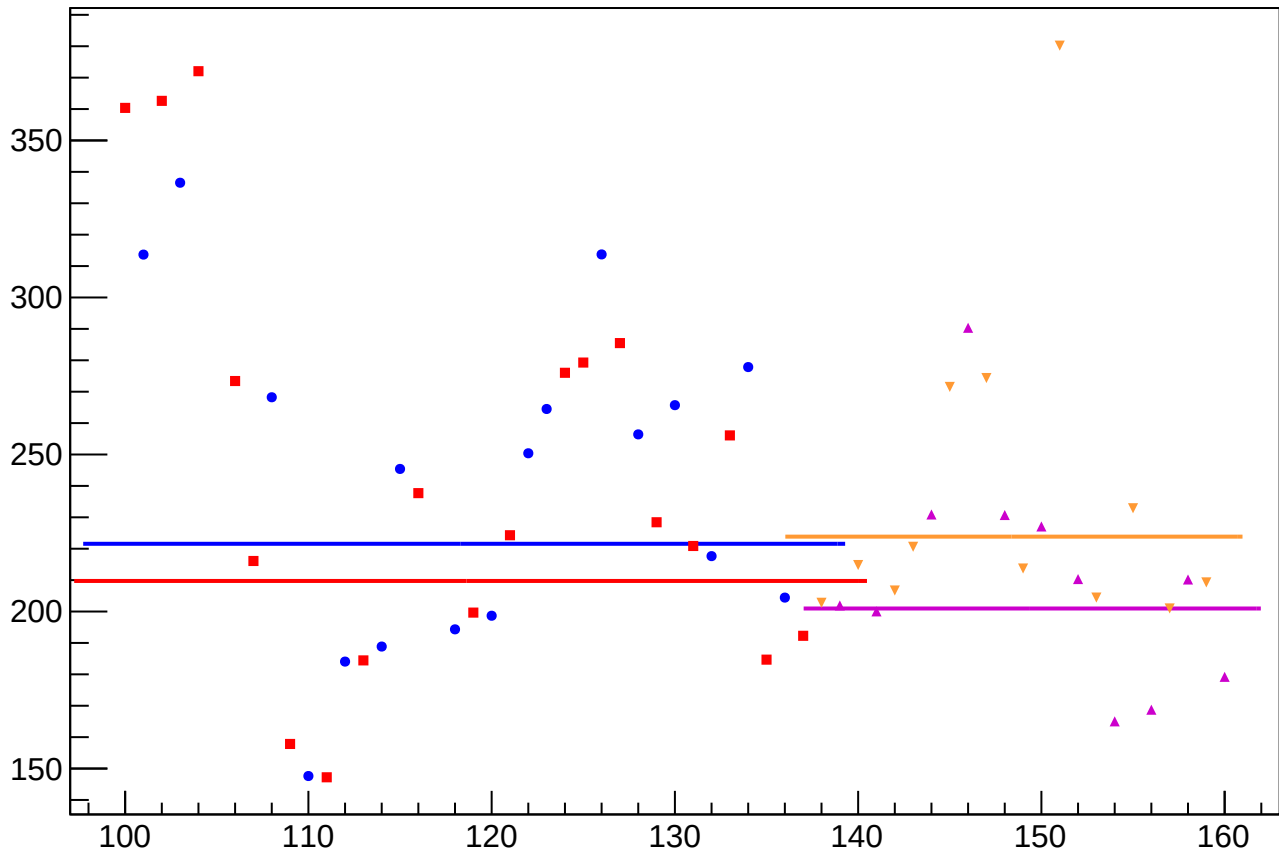
Left In: -949.235±/69.373 χ^2/NDF : 1300.0/10

-108.549±/58.110 χ^2/NDF : 1108.7/28

-541.258±/39.173 χ^2/NDF : 2946.2/58

-901.696±/53.036 χ^2/NDF : 1735.9/29

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2/NDF : 644941.4/16

Left Out: 223.847 $\pm$ 0.054 χ^2/NDF : 427886.1/11

Right Out: 209.736 $\pm$ 0.058 χ^2/NDF : 883922.1/18

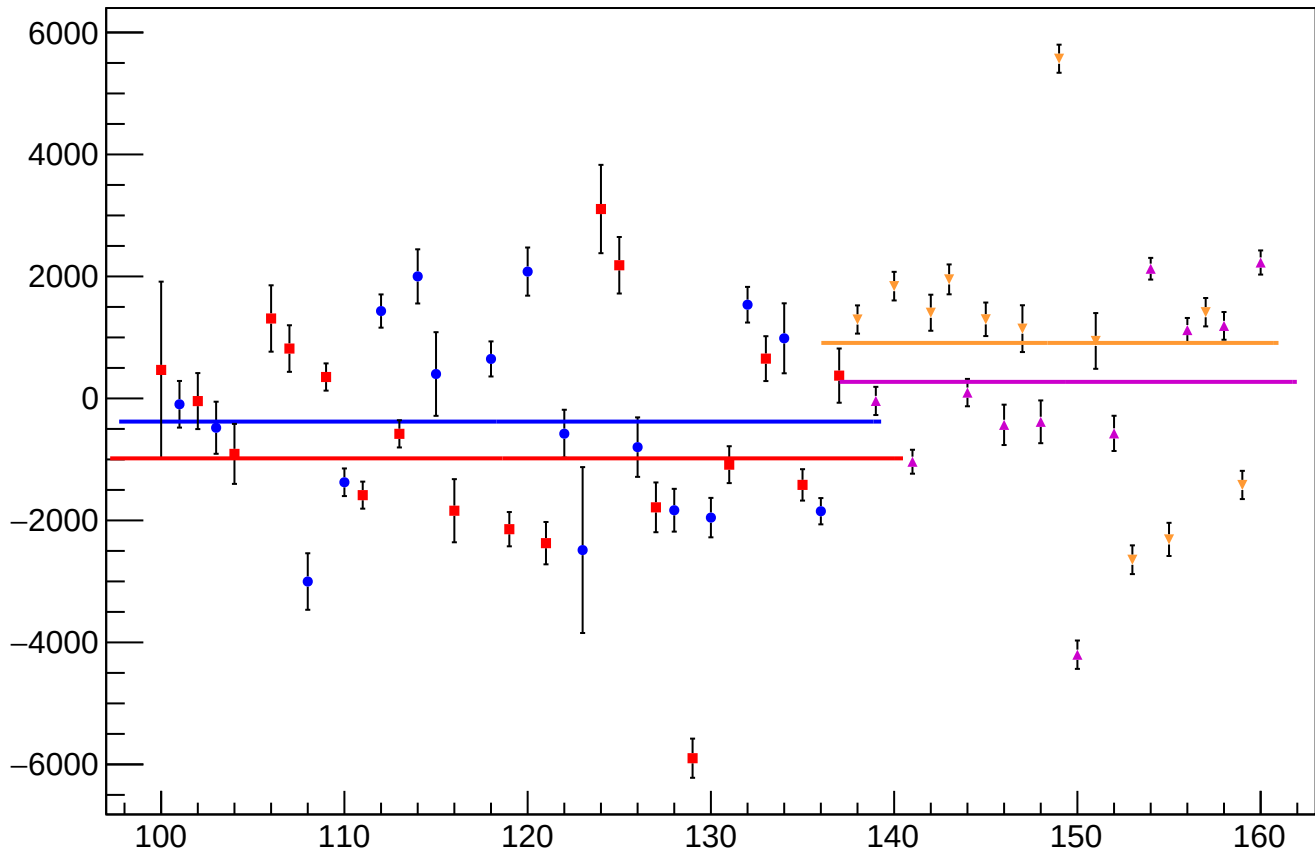
Left In: 200.964 $\pm$ 0.049 χ^2/NDF : 390743.7/10

222.882 $\pm$ 0.041 χ^2/NDF : 1073577.8/28

212.913 $\pm$ 0.028 χ^2/NDF : 2469419.1/58

204.609 $\pm$ 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: 910.165 ± 75.096 χ^2/NDF : 925.0/11

Right Out: -982.539 ± 77.724 χ^2/NDF : 476.3/18

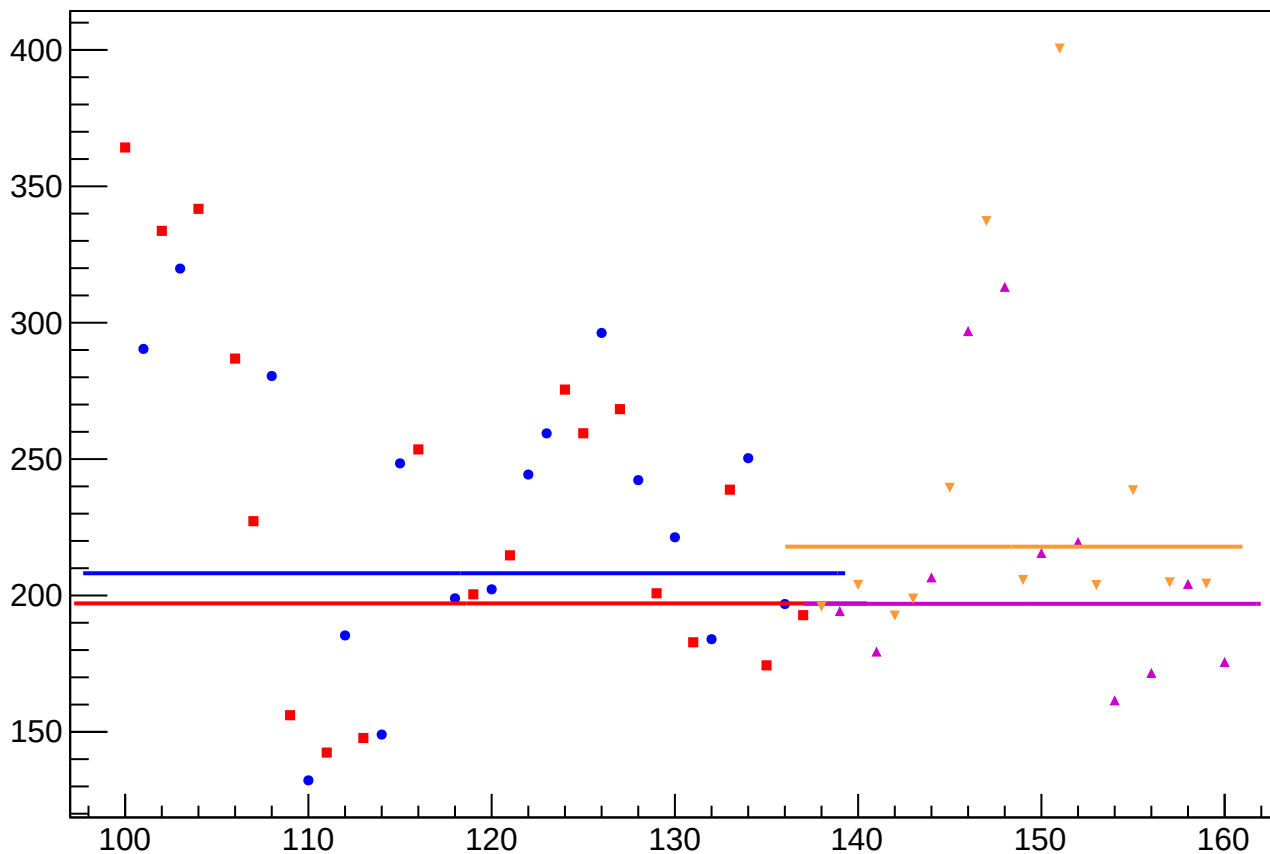
Left In: 271.548 ± 68.328 χ^2/NDF : 674.3/10

339.184 ± 56.062 χ^2/NDF : 1372.7/28

4.931 ± 37.853 χ^2/NDF : 2735.5/58

-275.143 ± 51.317 χ^2/NDF : 1297.4/29

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 $\pm$ 0.060 χ^2/NDF : 699084.2/16

Left Out: 217.896 $\pm$ 0.053 χ^2/NDF : 614527.8/11

Right Out: 197.103 $\pm$ 0.055 χ^2/NDF : 926467.5/18

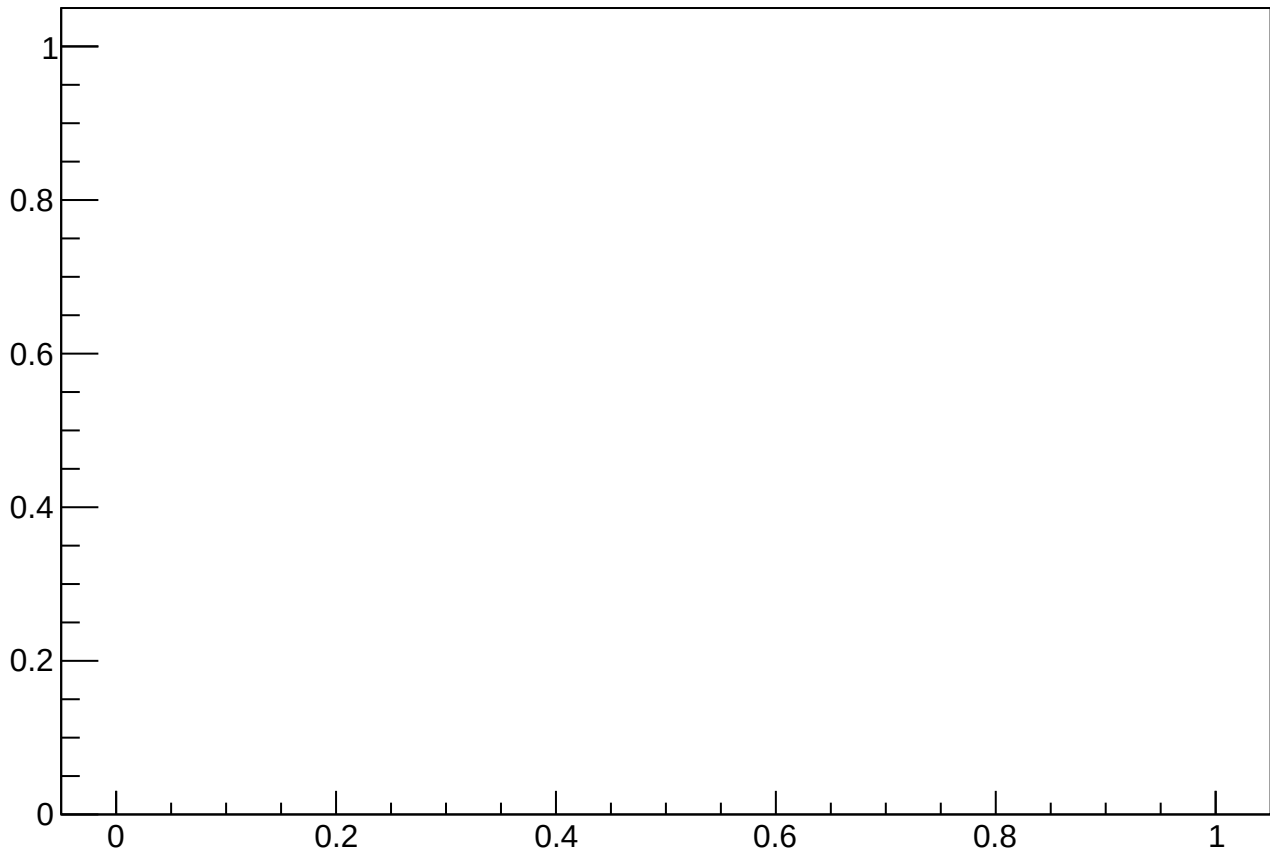
Left In: 196.951 $\pm$ 0.048 χ^2/NDF : 584470.7/10

213.582 $\pm$ 0.040 χ^2/NDF : 1328521.8/28

204.569 $\pm$ 0.027 χ^2/NDF : 2934469.5/58

197.017 $\pm$ 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

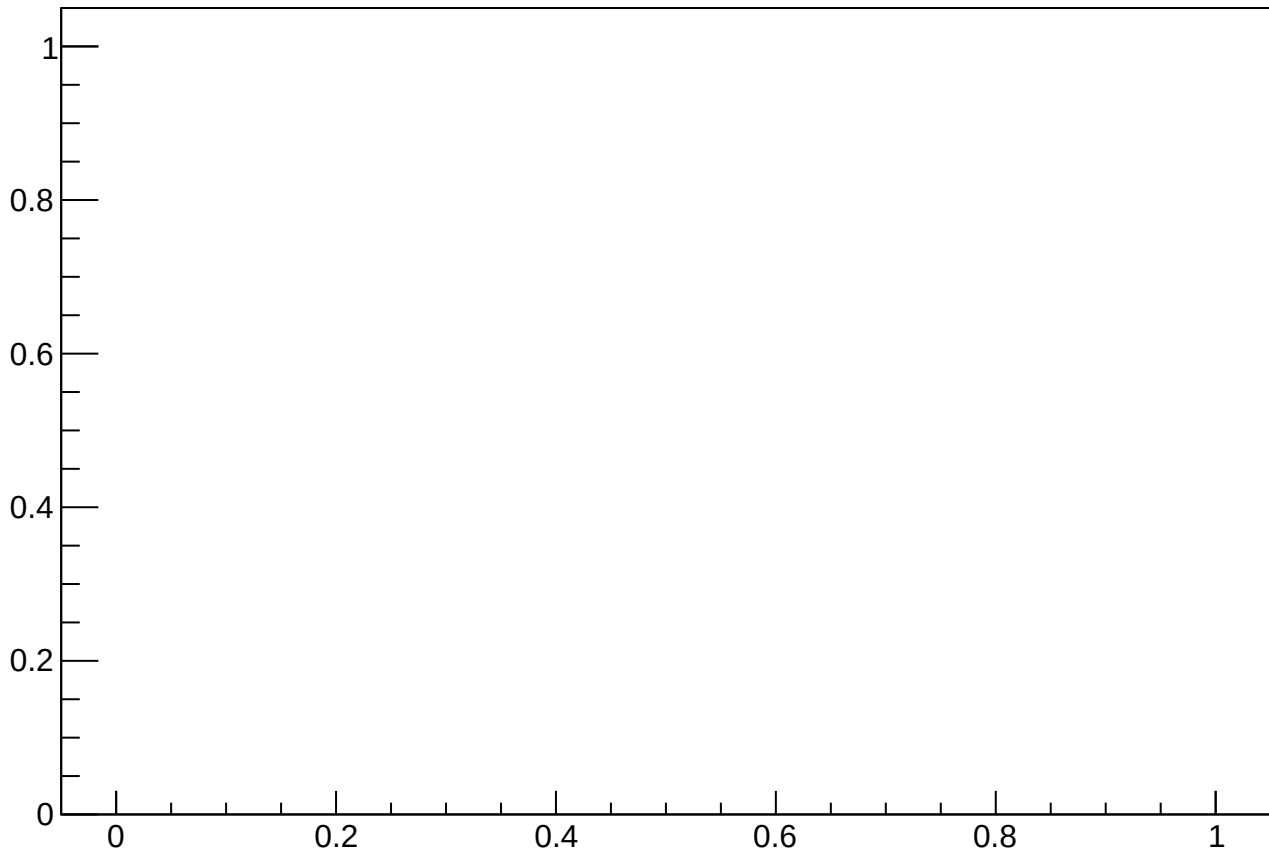
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

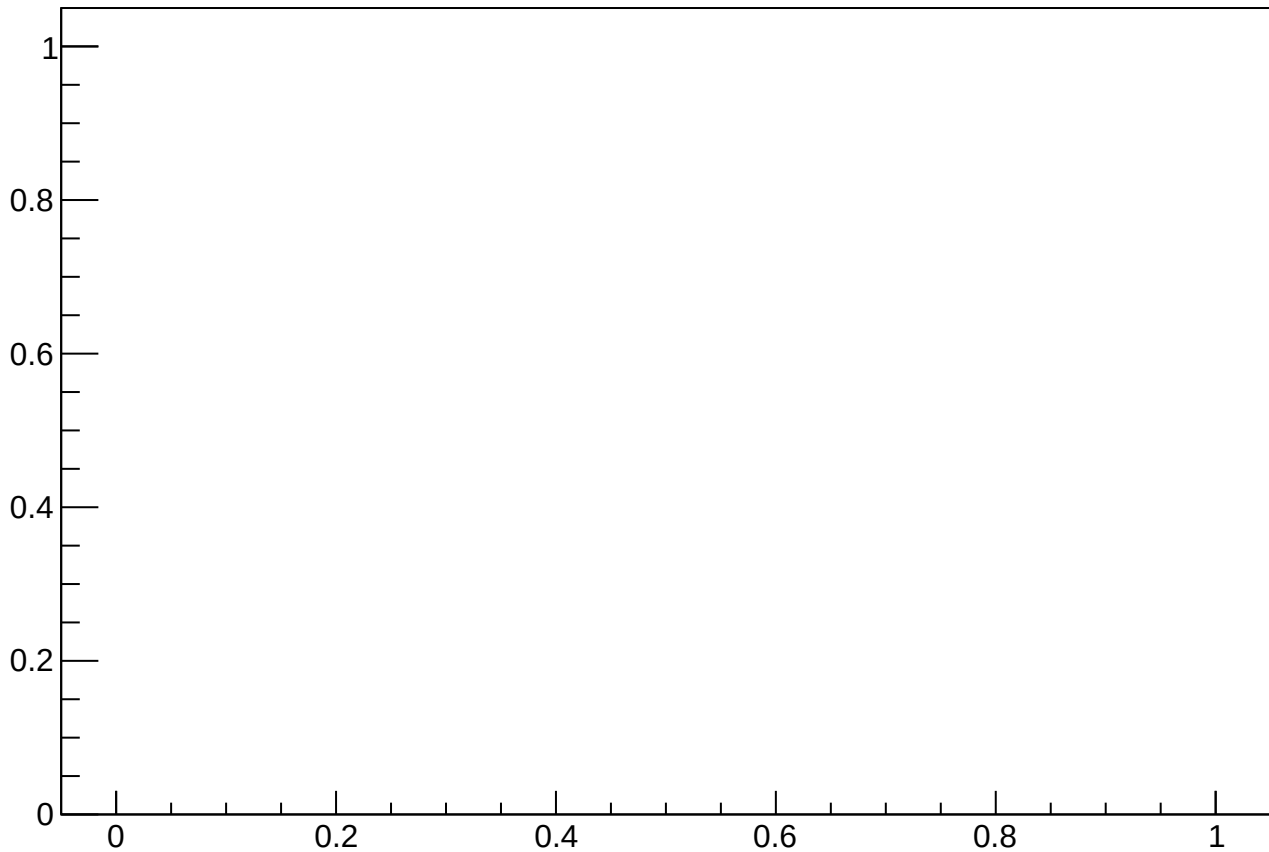
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

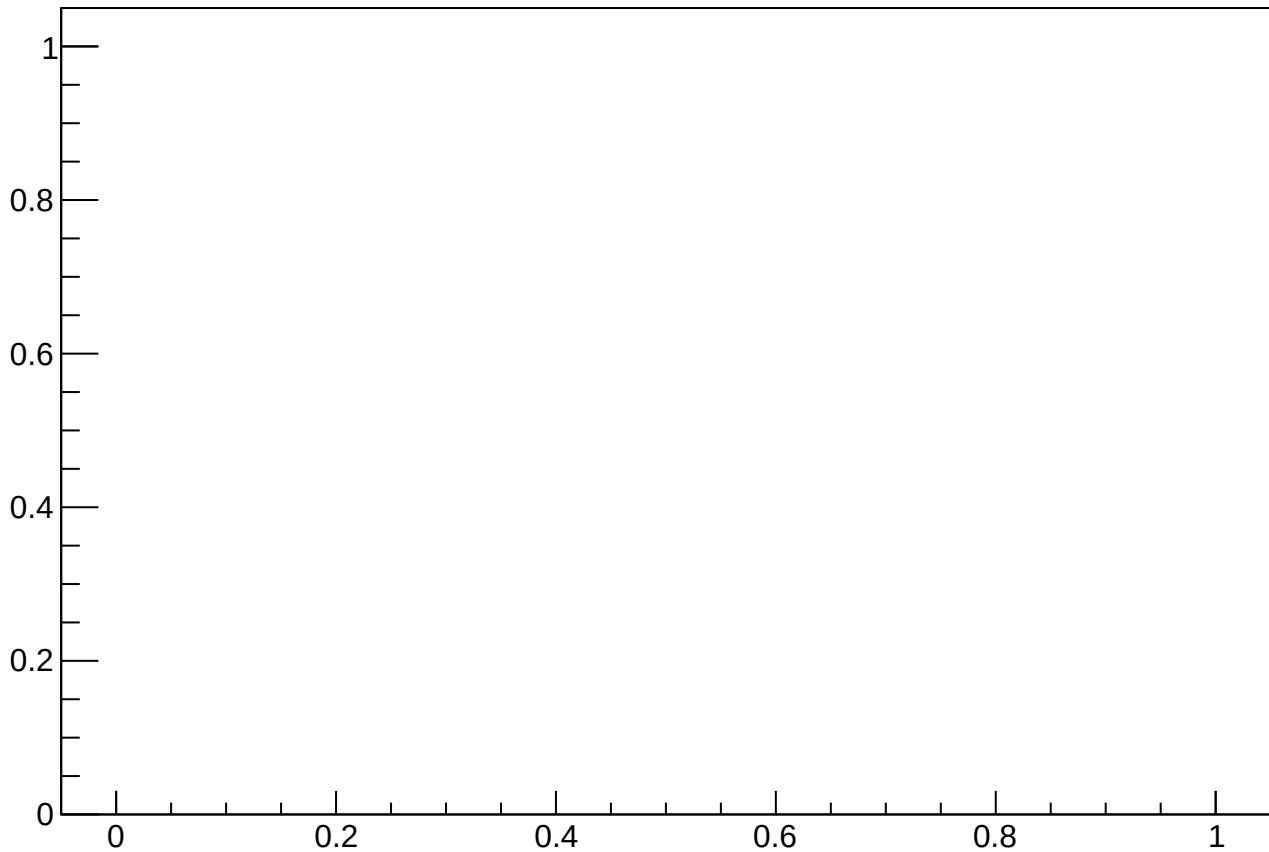
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

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

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

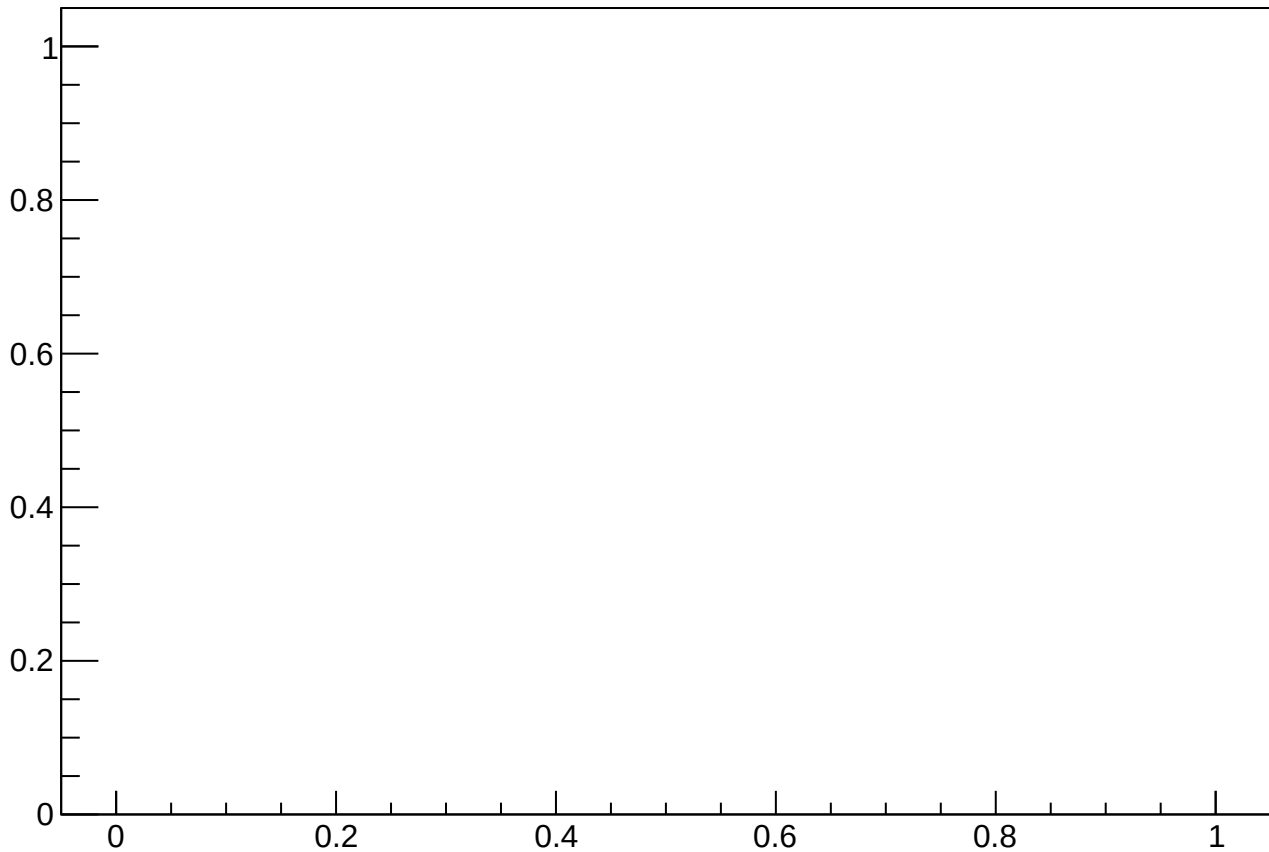
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

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

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

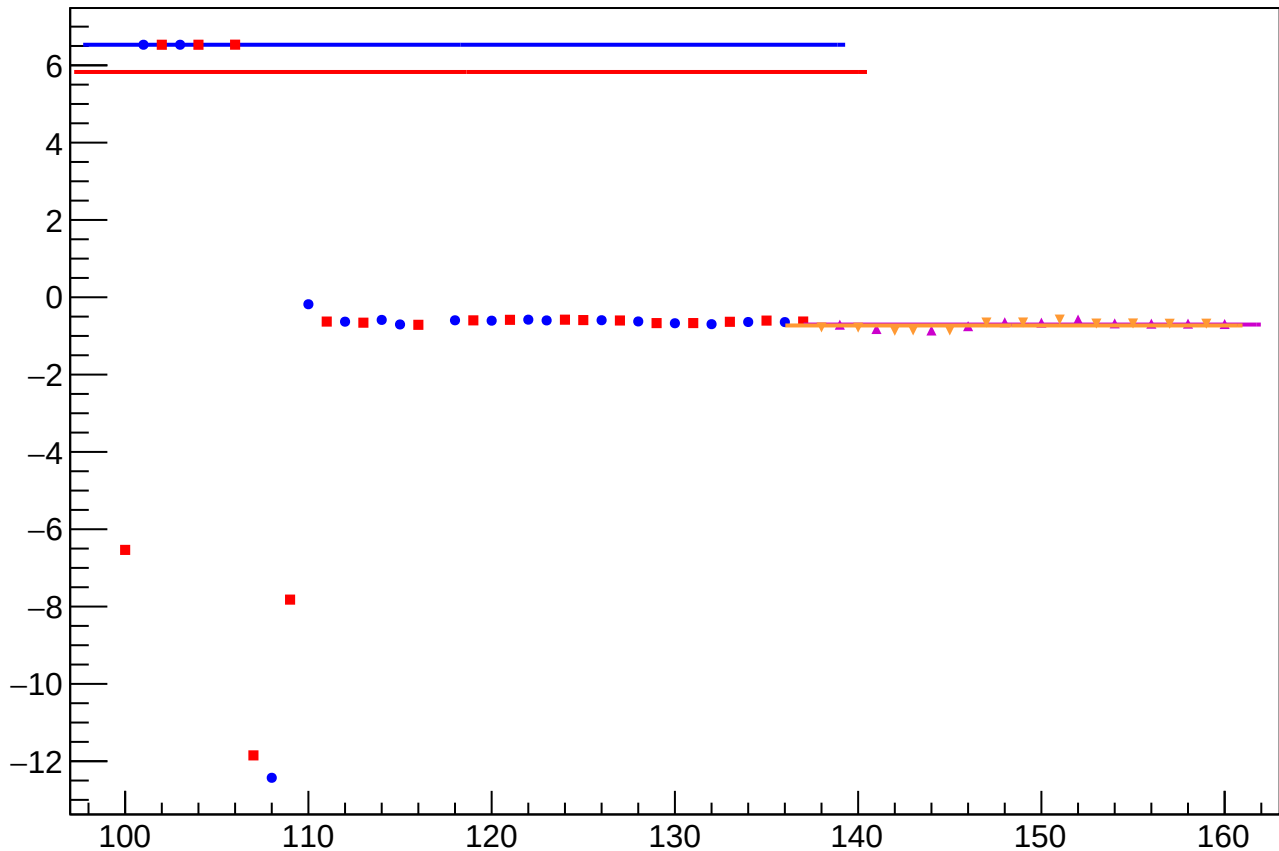
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.729+/-0.000 χ^2/NDF : 72032866.2/11

Right Out: 5.827+/-0.000 χ^2/NDF : 755963218053643.4/18

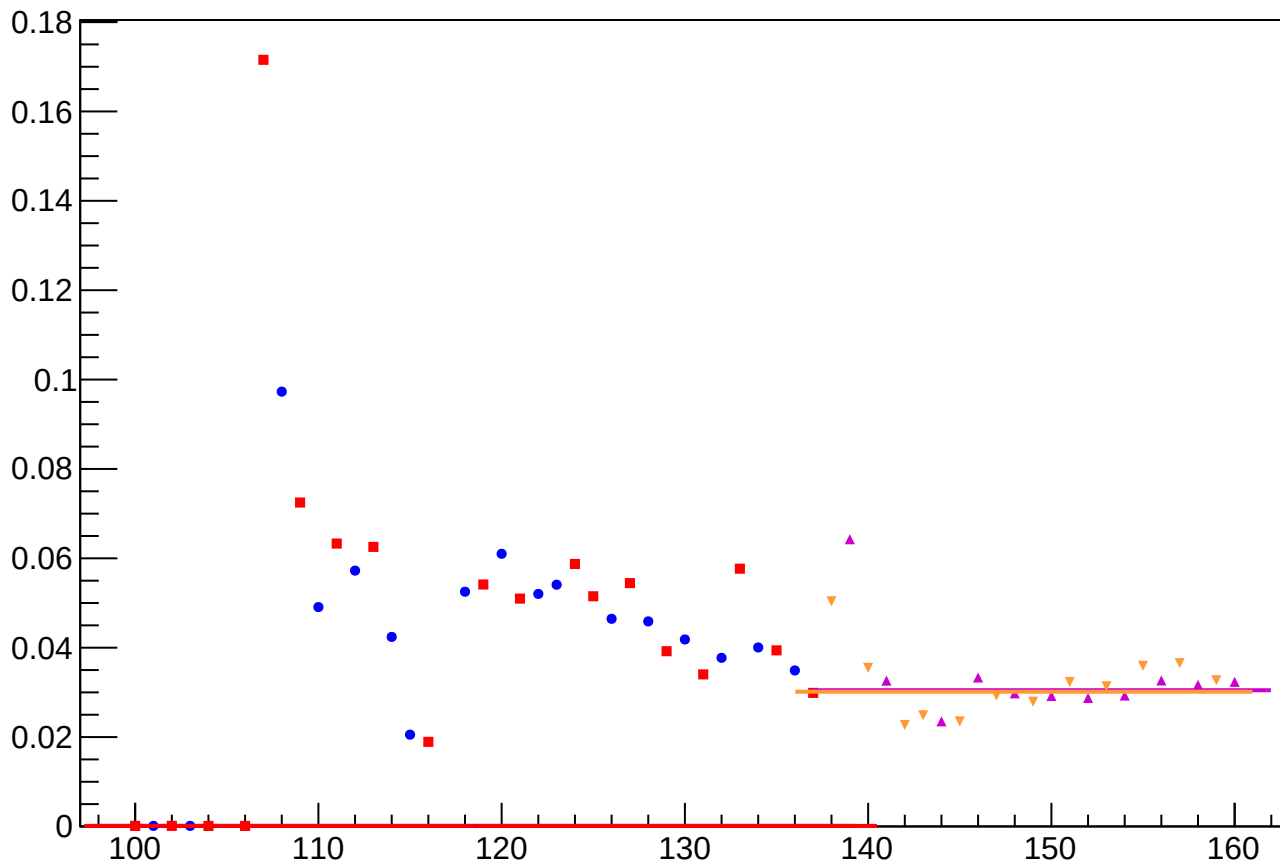
Left In: -0.706+/-0.000 χ^2/NDF : 54750716.8/10

6.531+/-0.000 χ^2/NDF : 531630088507.4/28

6.154+/-0.000 χ^2/NDF : 77681825712320

5.827+/-0.000 χ^2/NDF : 756289828930906.9/29

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 : 516121.5/11

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

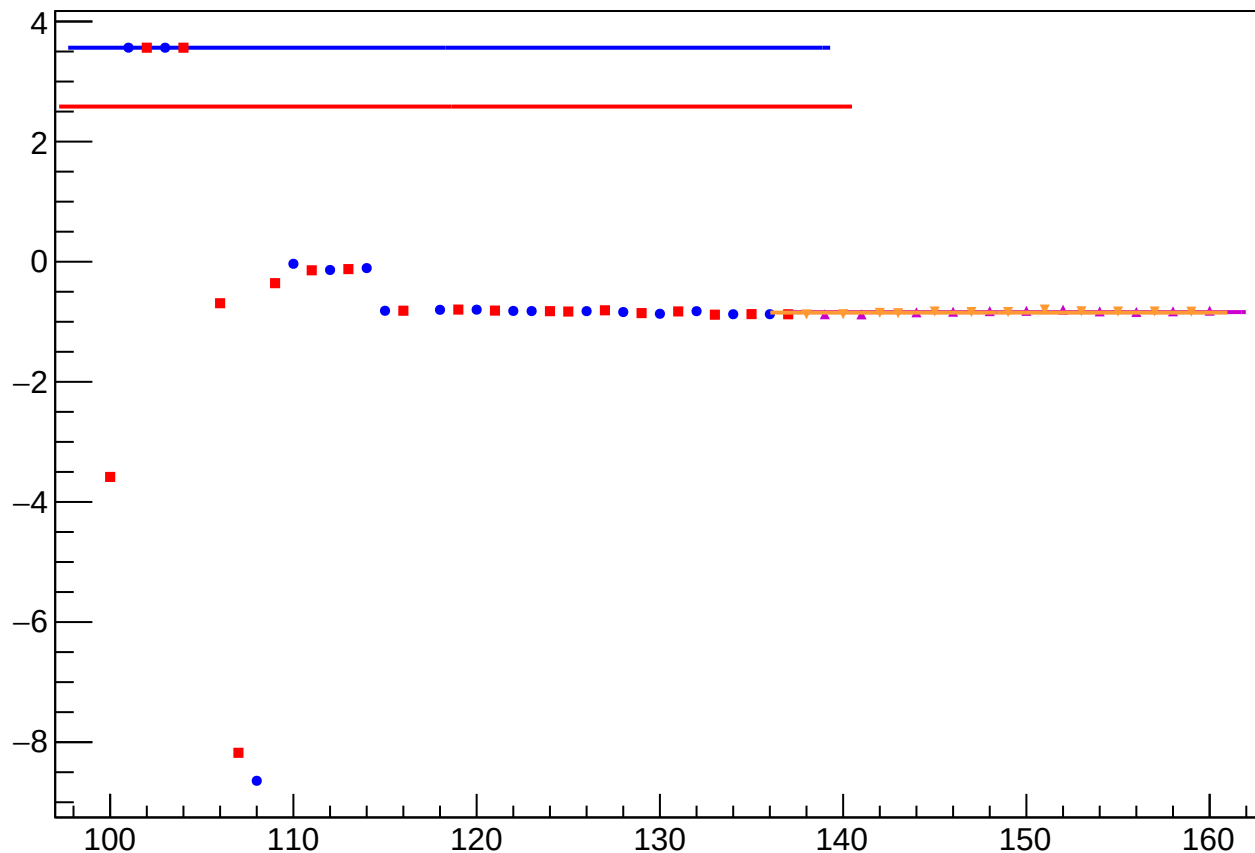
Left In: 0.030+/-0.000 χ^2/NDF : 534201.4/10

0.000+/-0.000 χ^2/NDF : 23234670.8/28

0.000+/-0.000 χ^2/NDF : 47224601.6/58

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: -0.847+/-0.000 χ^2/NDF : 37498978.9/11

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

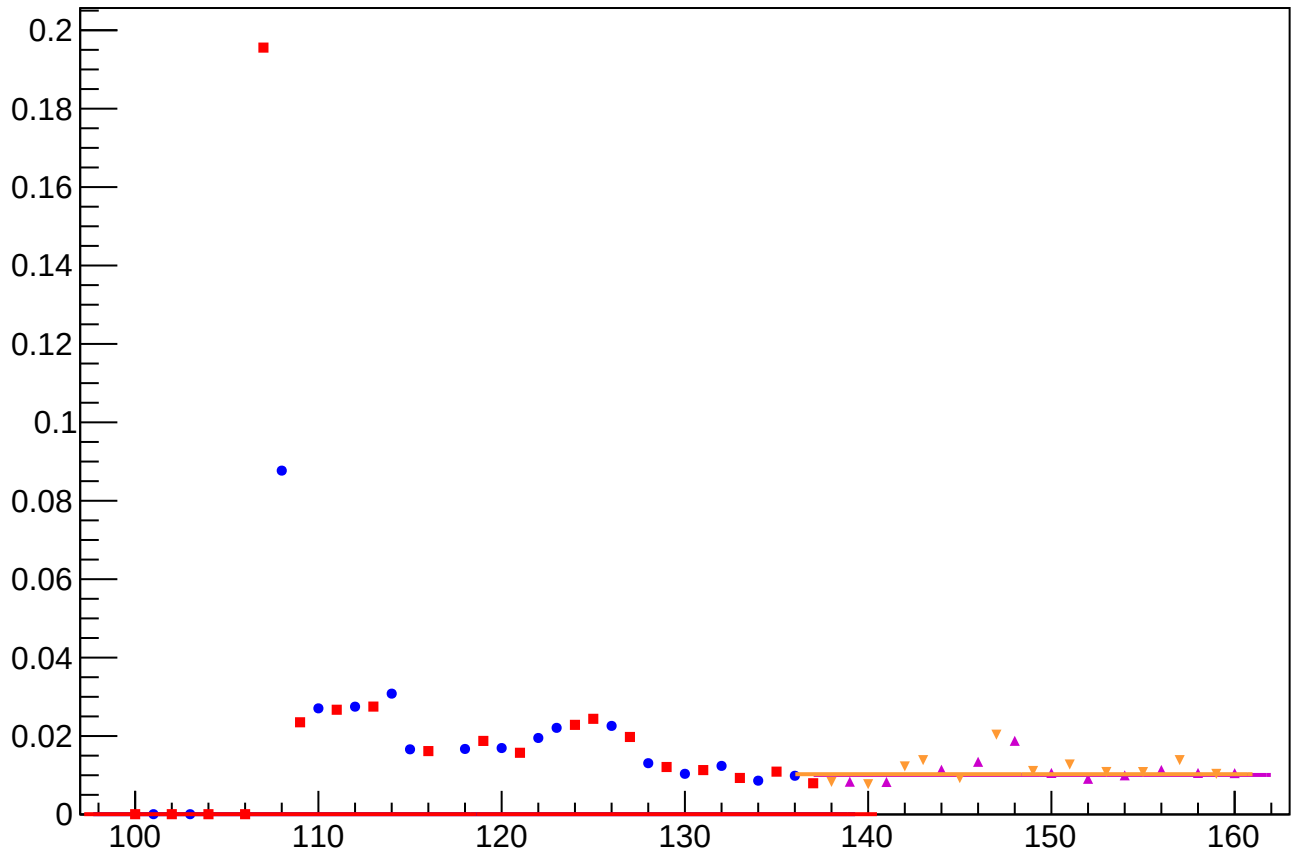
Left In: -0.839+/-0.000 χ^2/NDF : 51785361.7/10

3.562+/-0.000 χ^2/NDF : 1707893644223.6/28

3.039+/-0.000 χ^2/NDF : 13842121517634

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+/-0.000 χ^2/NDF : 803842.8/11

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

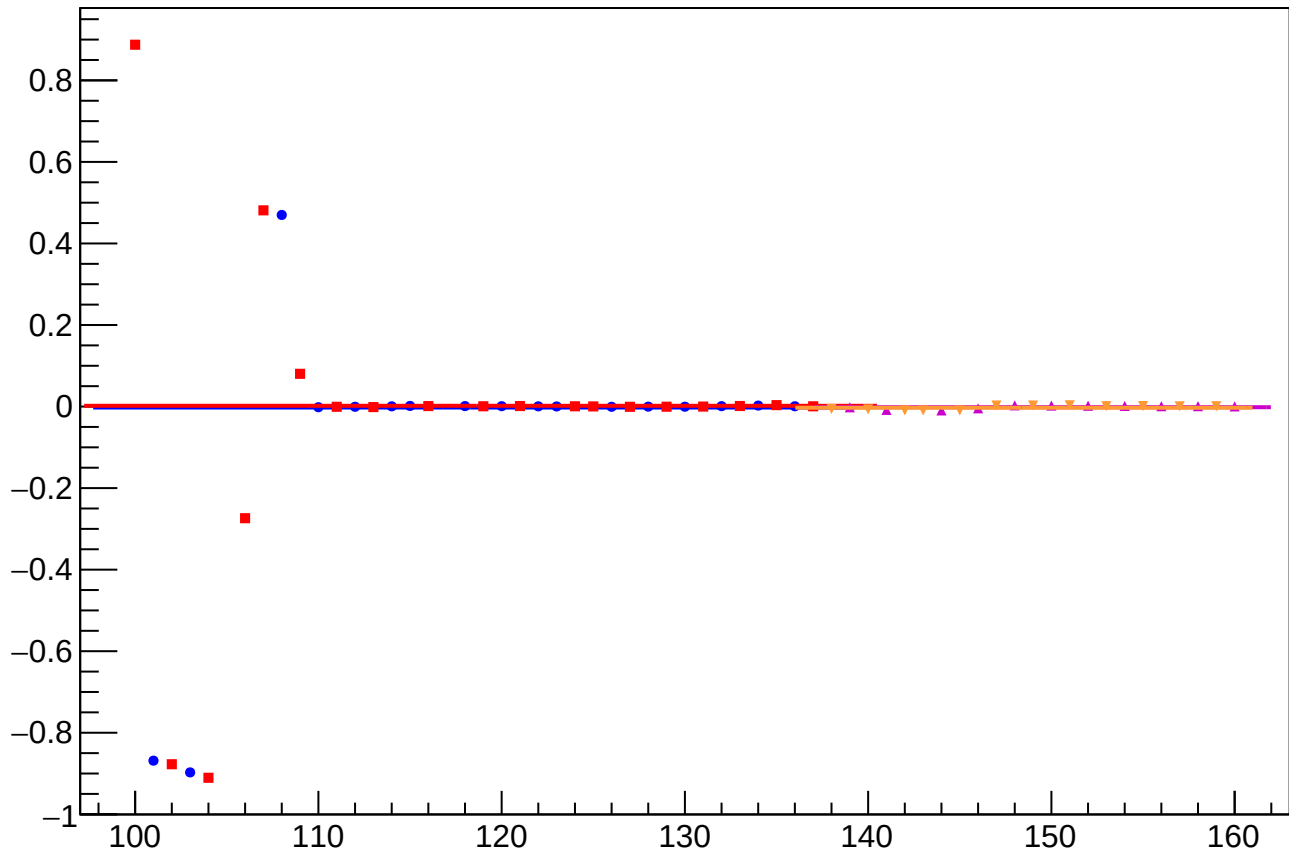
Left In: 0.010+/-0.000 χ^2/NDF : 556406.6/10

0.000+/-0.000 χ^2/NDF : 23639105.7/28

0.000+/-0.000 χ^2/NDF : 47432478.2/58

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: -0.003+/-0.000 χ^2 /NDF: 78369808.2/11

Right Out: 0.002+/-0.000 χ^2 /NDF: 3041319824.4/18

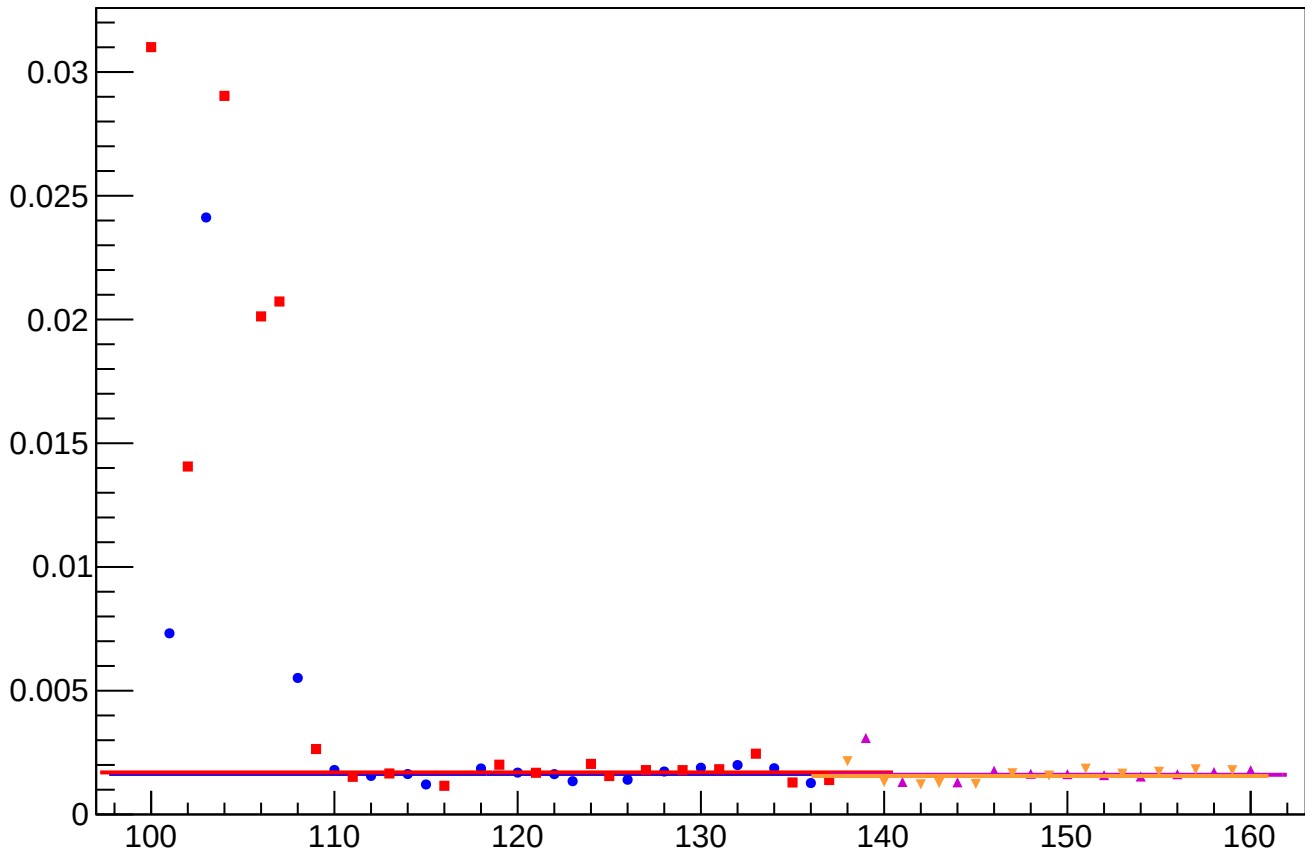
Left In: -0.002+/-0.000 χ^2 /NDF: 58230076.9/10

-0.003+/-0.000 χ^2 /NDF: 9873490507.3/28

-0.002+/-0.000 χ^2 /NDF: 12996537183.9/5

-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: 402205.3/11

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

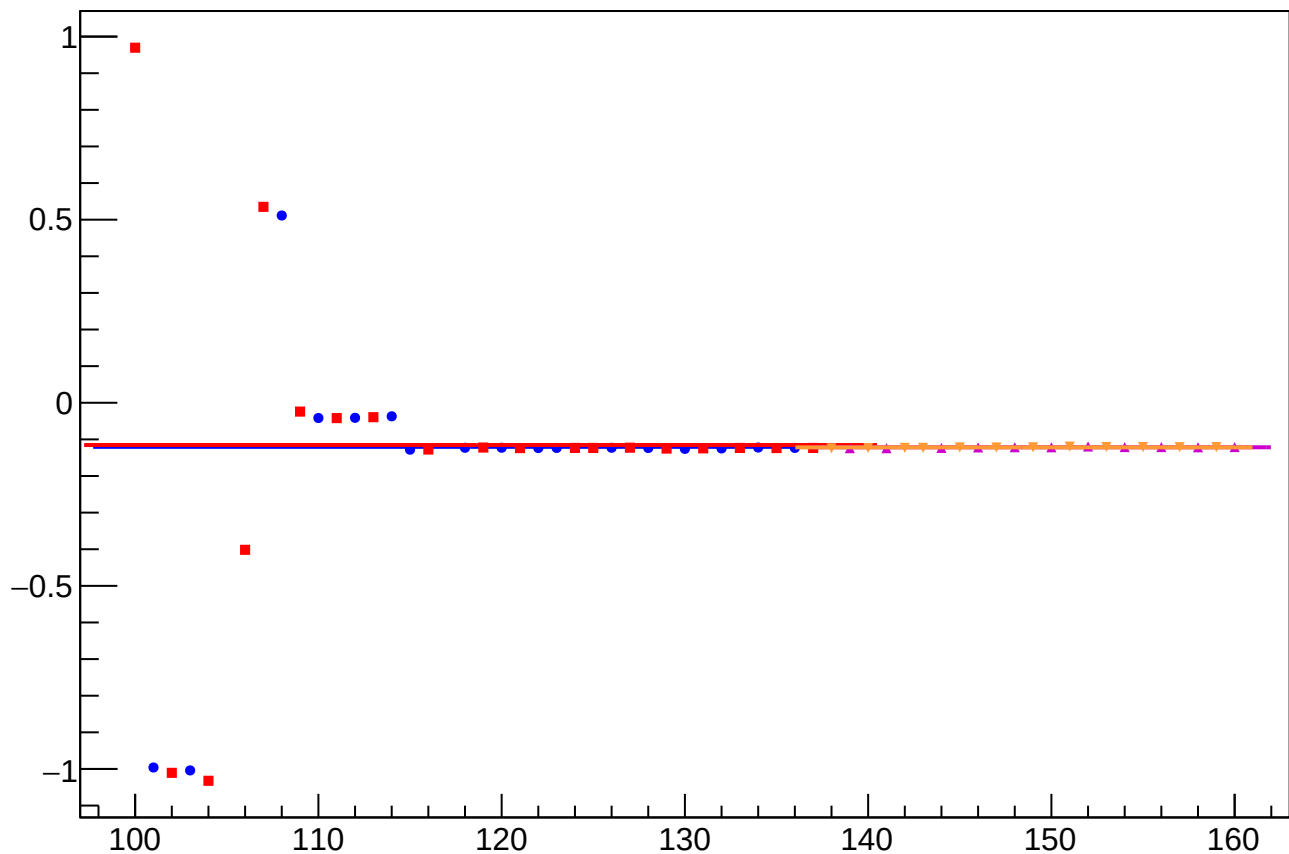
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 494704.5/10

0.002 $\pm$ 0.000 χ^2 /NDF: 2333677.9/28

0.002 $\pm$ 0.000 χ^2 /NDF: 5882255.2/58

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 : 10084628.0/11

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

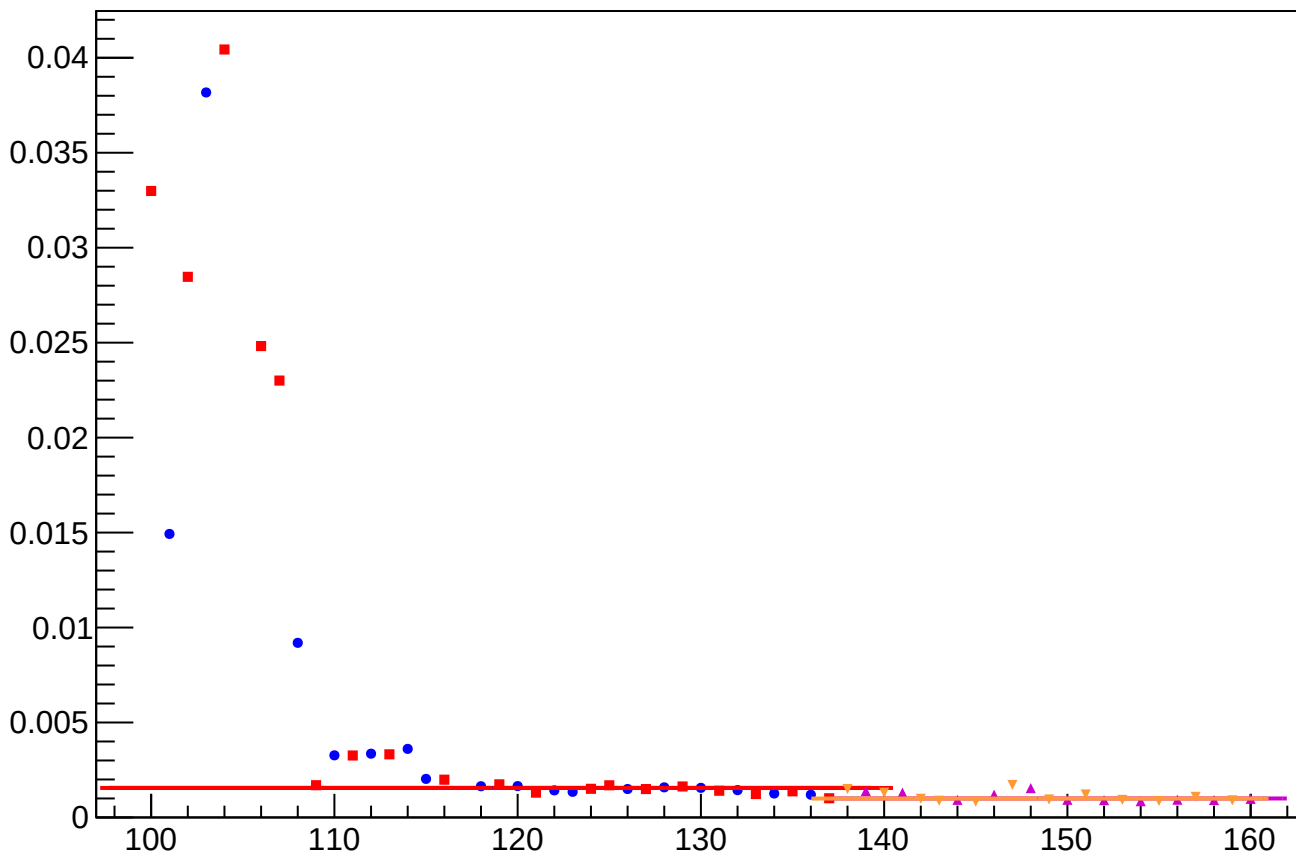
Left In: -0.122+/-0.000 χ^2/NDF : 13147452.8/10

-0.121+/-0.000 χ^2/NDF : 3945354660.8/28

-0.121+/-0.000 χ^2/NDF : 6478863498.0/50

-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 : 682294.9/11

Right Out: 0.002+/-0.000 χ^2/NDF : 3539455.6/18

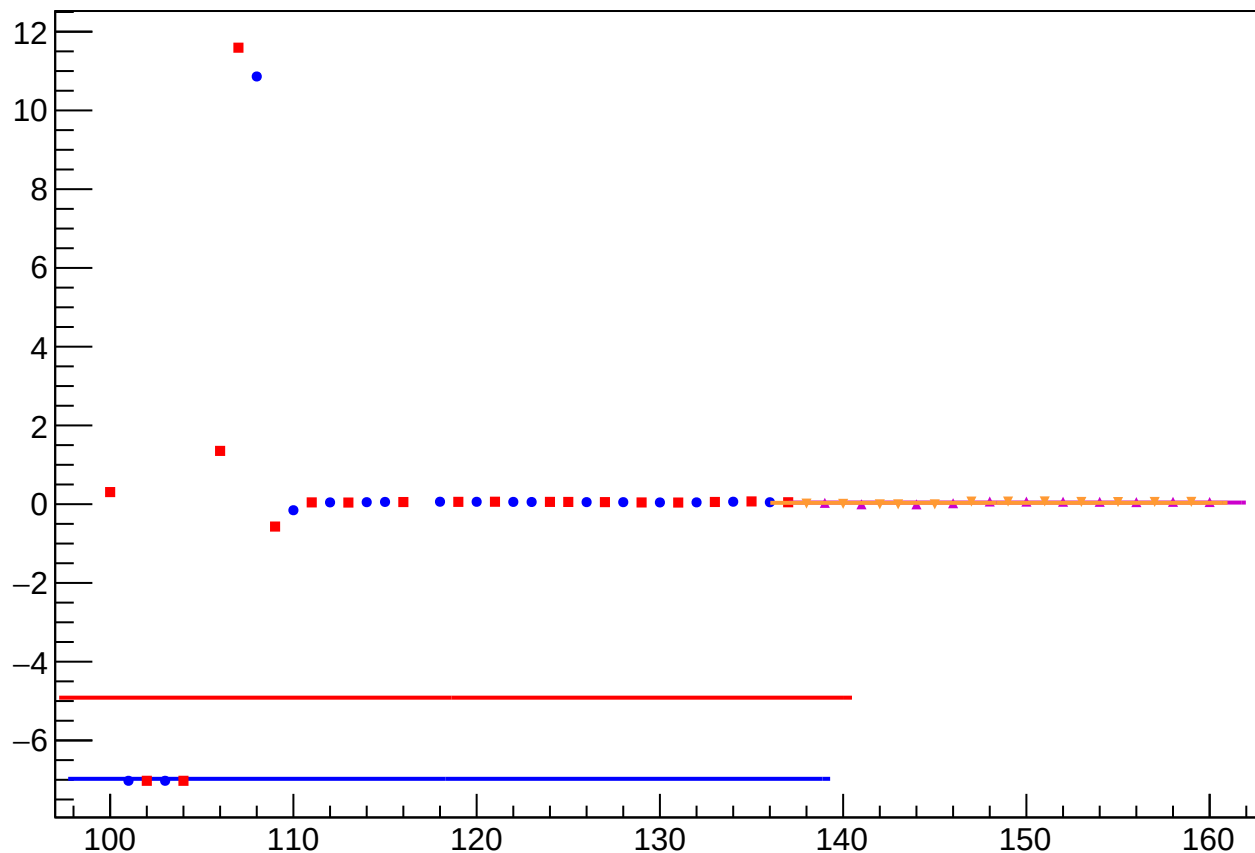
Left In: 0.001+/-0.000 χ^2/NDF : 515266.2/10

0.001+/-0.000 χ^2/NDF : 4544722.7/28

0.001+/-0.000 χ^2/NDF : 9539030.1/58

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: 0.034+/-0.000 χ^2/NDF : 78626823.5/11

Right Out: -4.914+/-0.000 χ^2/NDF : 365358092730279.9/18

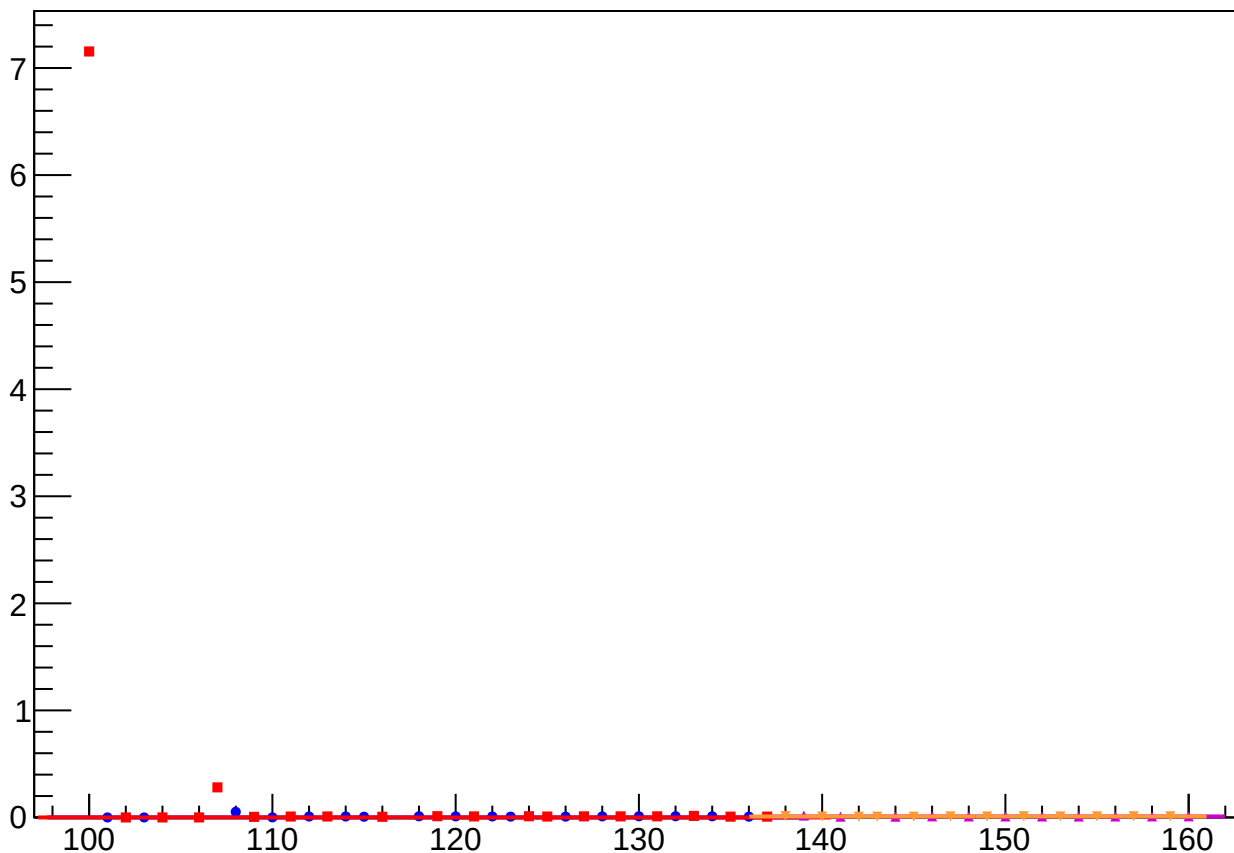
Left In: 0.041+/-0.000 χ^2/NDF : 64133554.3/10

-6.952+/-0.000 χ^2/NDF : 12810091873431.6/28

-5.882+/-0.000 χ^2/NDF : 4360563584683.6/28

-4.899+/-0.000 χ^2/NDF : 367332480506133.6/28

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 399627.9/11

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

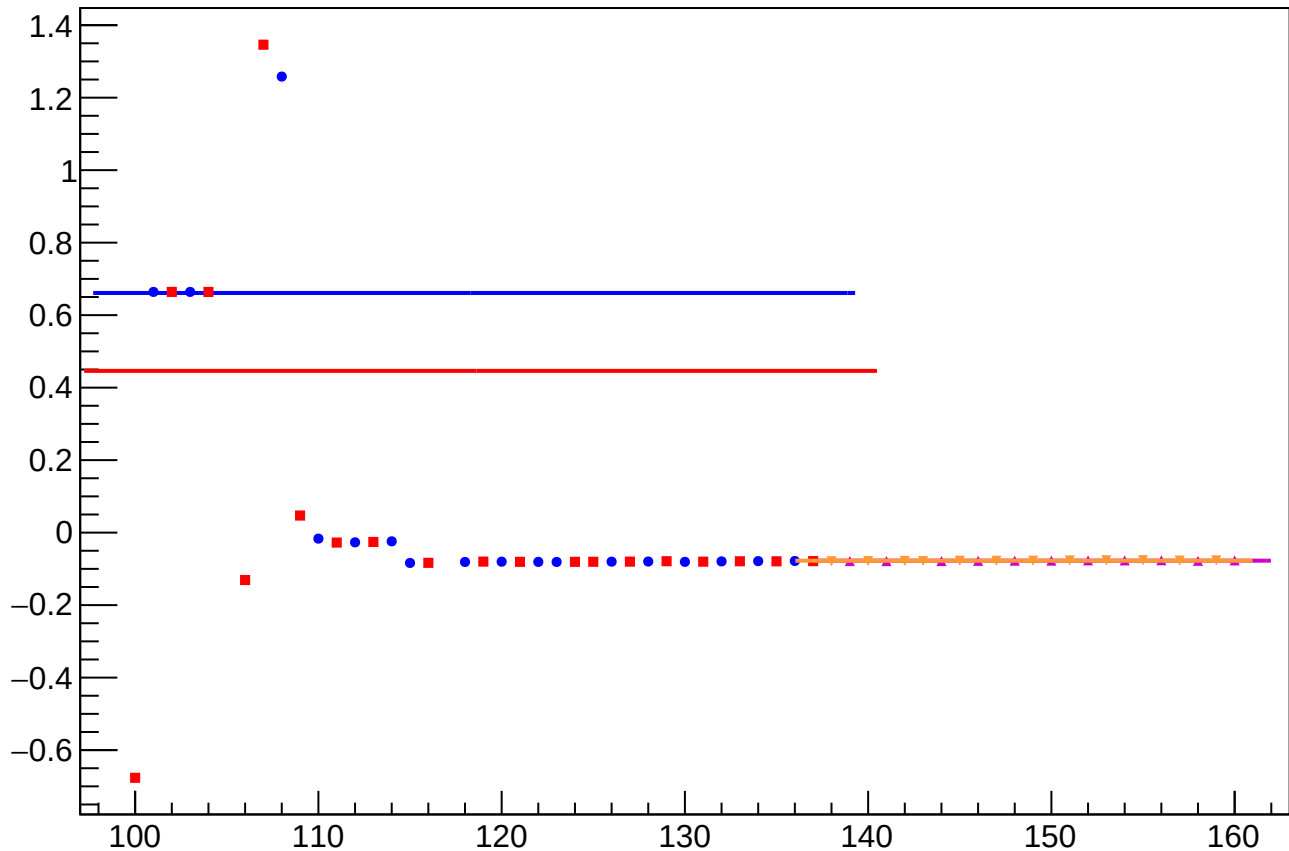
Left In: 0.009+/-0.000 χ^2/NDF : 497425.3/10

0.000+/-0.000 χ^2/NDF : 21927330.3/28

0.000+/-0.000 χ^2/NDF : 44852211.5/58

0.000+/-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 : 20845550.8/11

Right Out: 0.446 ± 0.000 χ^2/NDF : 405416924315199.0/18

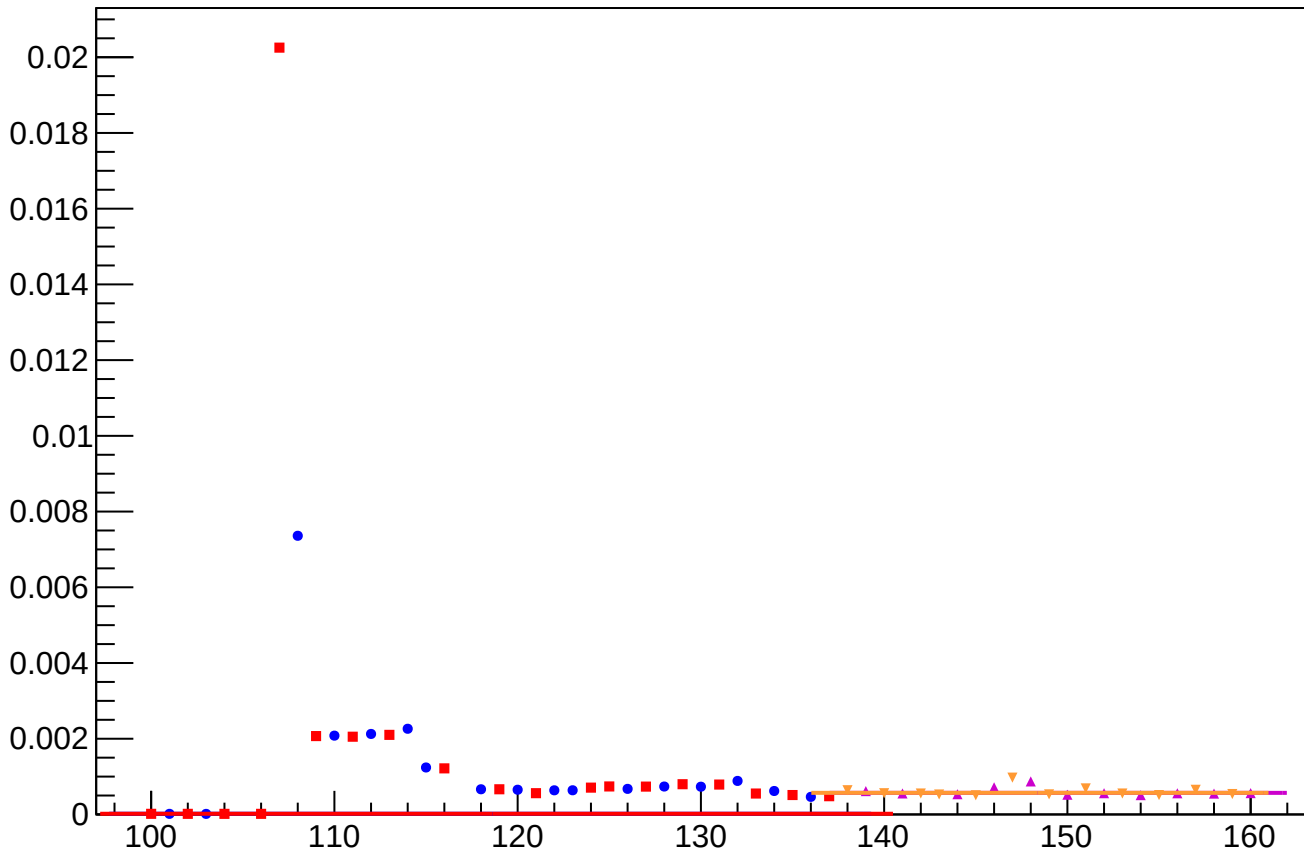
Left In: -0.077 ± 0.000 χ^2/NDF : 16545038.0/10

0.654 ± 0.000 χ^2/NDF : 19459584996621.7/28

0.543 ± 0.000 χ^2/NDF : 49411974844702

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 : 406761.3/11

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

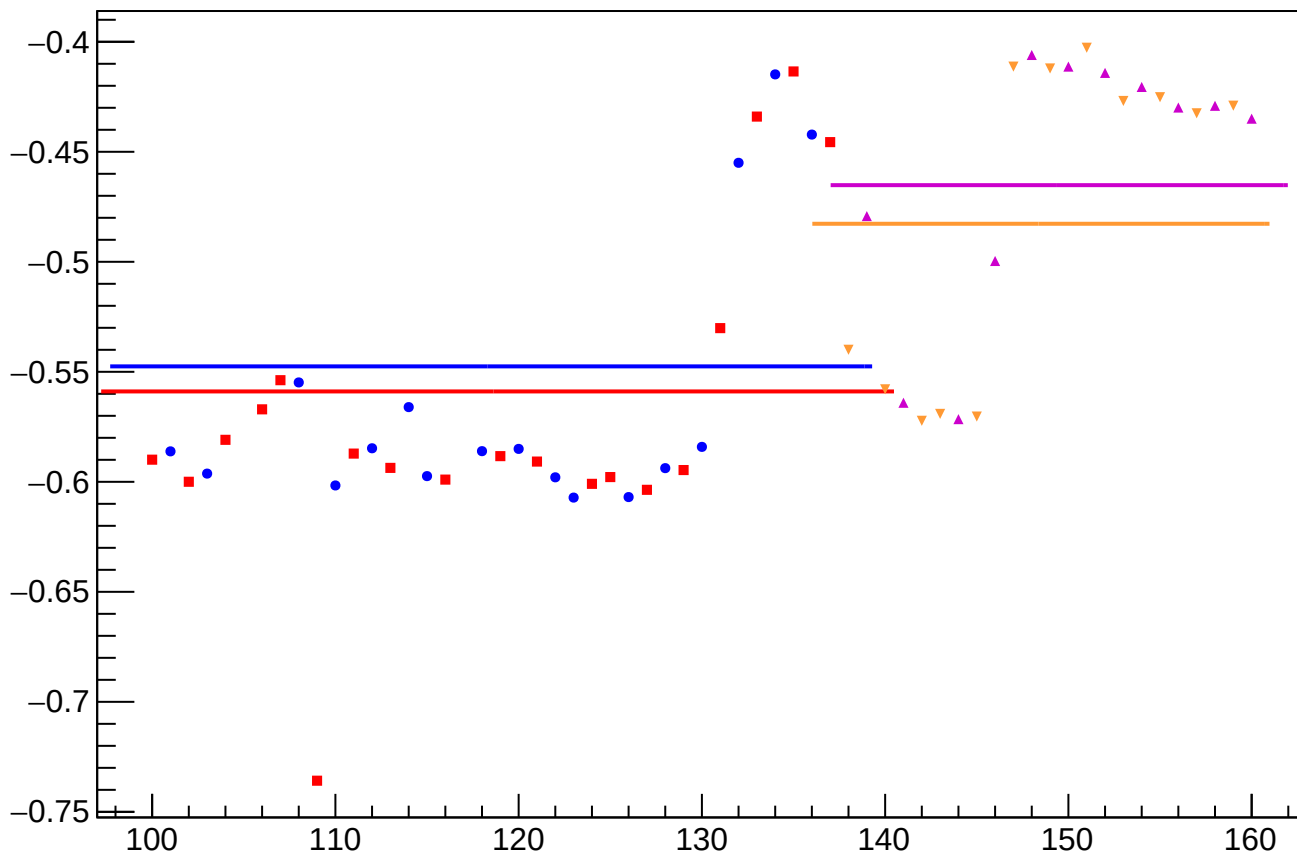
Left In: 0.001+/-0.000 χ^2/NDF : 304077.9/10

0.000+/-0.000 χ^2/NDF : 25804650.7/28

0.000+/-0.000 χ^2/NDF : 51458342.3/58

0.000+/-0.000 χ^2/NDF : 25653248.5/29

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.483+/-0.000 χ^2/NDF : 88389531.5/11

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

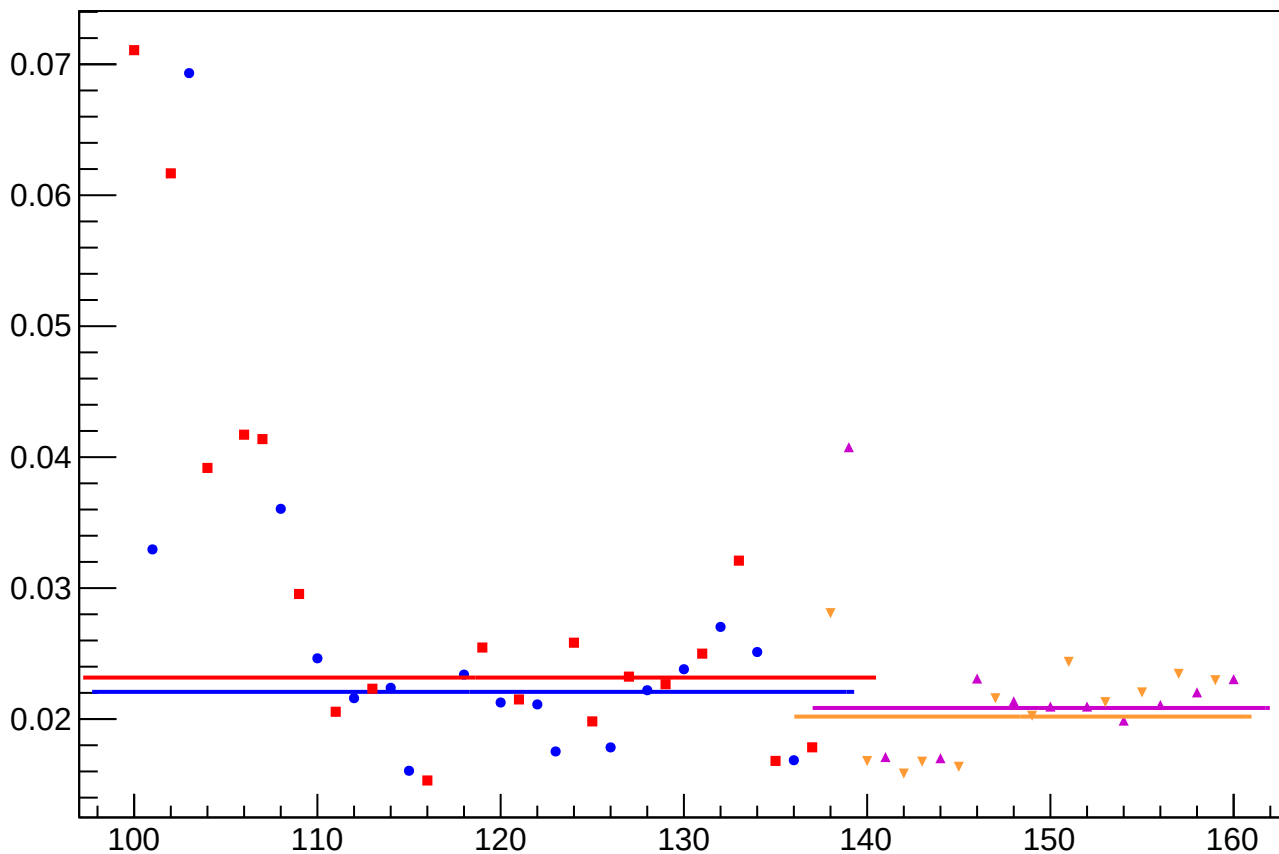
Left In: -0.465+/-0.000 χ^2/NDF : 67326477.7/10

-0.507+/-0.000 χ^2/NDF : 163925281.1/28

-0.504+/-0.000 χ^2/NDF : 351395635.7/58

-0.501+/-0.000 χ^2/NDF : 186868101.6/29

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 954779.5/16$

Left Out: 0.020 ± 0.000 $\chi^2/\text{NDF}: 381700.2/11$

Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1156758.3/18$

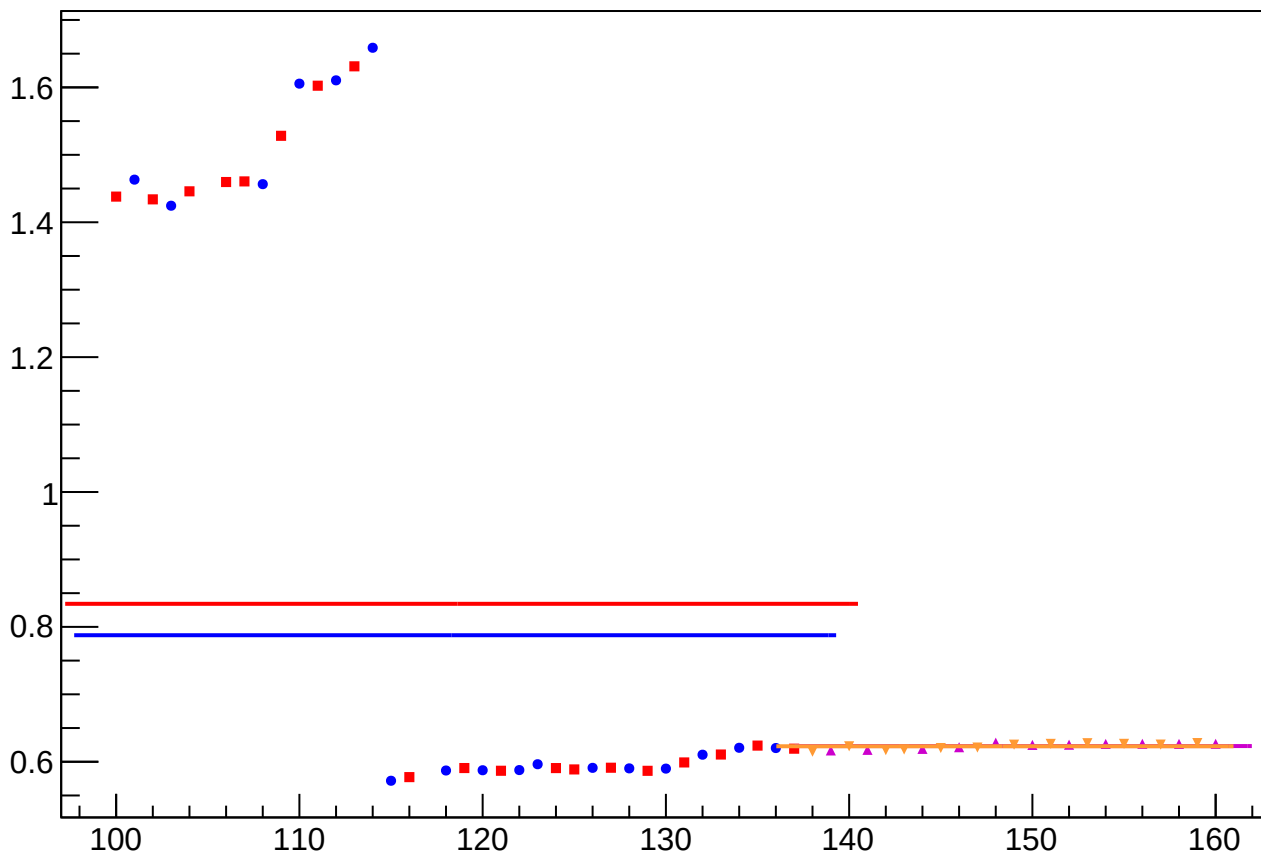
Left In: 0.021 ± 0.000 $\chi^2/\text{NDF}: 496064.8/10$

0.021 ± 0.000 $\chi^2/\text{NDF}: 1382353.7/28$

0.021 ± 0.000 $\chi^2/\text{NDF}: 3119652.2/58$

0.022 ± 0.000 $\chi^2/\text{NDF}: 1719303.5/29$

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.623+/-0.000 χ^2/NDF : 957353.3/11

Right Out: 0.834+/-0.000 χ^2/NDF : 4152115639.4/18

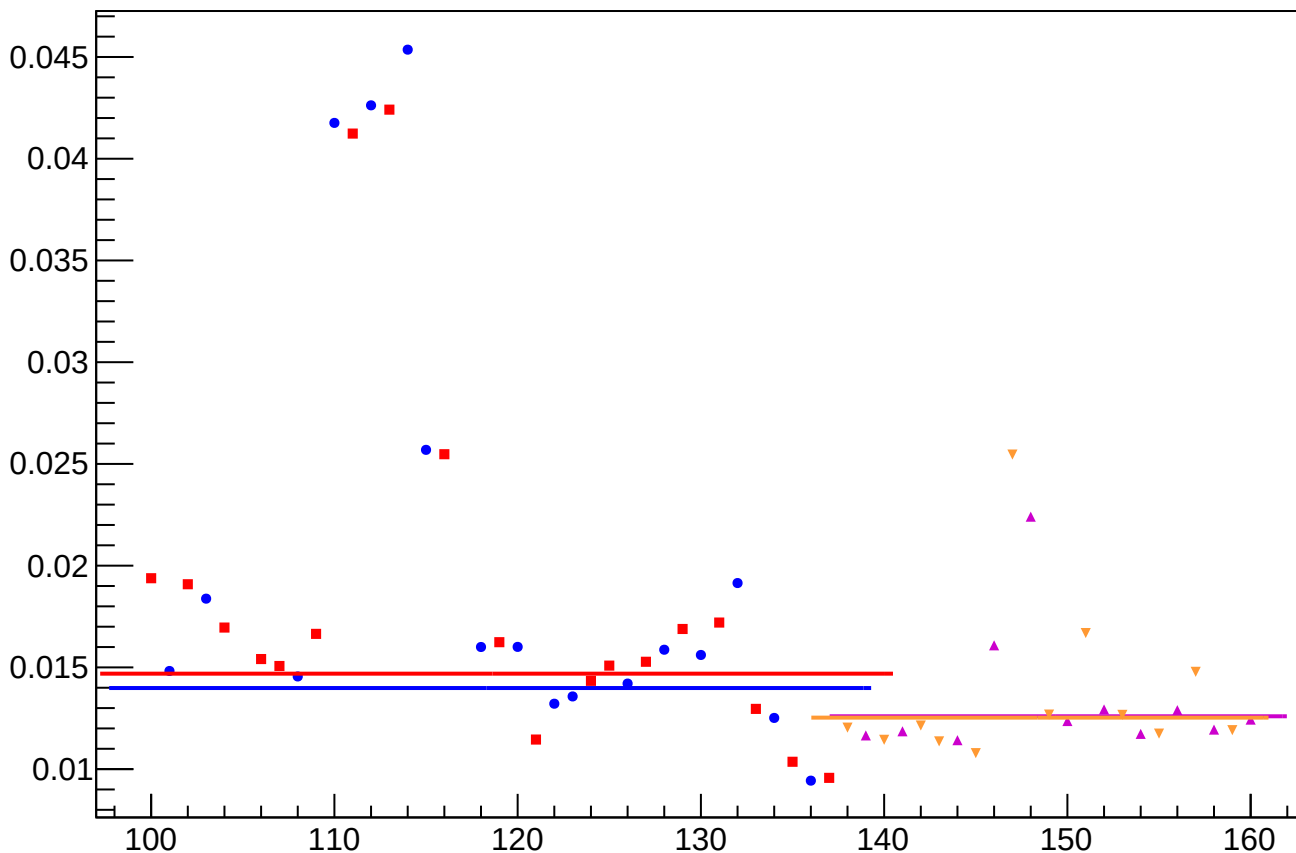
Left In: 0.623+/-0.000 χ^2/NDF : 825631.6/10

0.681+/-0.000 χ^2/NDF : 4087841433.3/28

0.688+/-0.000 χ^2/NDF : 9064729723.4/58

0.695+/-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 : 587449.6/11

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

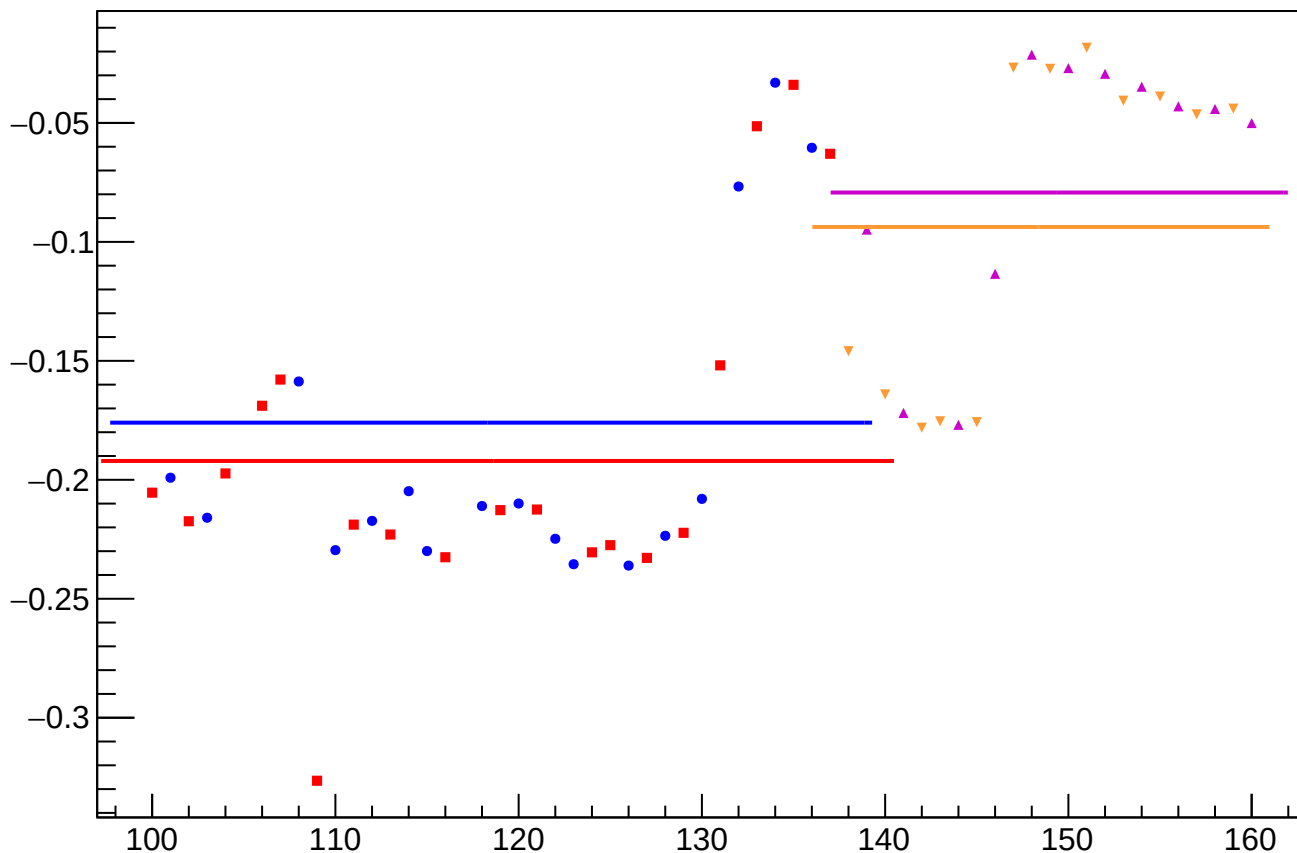
Left In: 0.013+/-0.000 χ^2/NDF : 409418.1/10

0.013+/-0.000 χ^2/NDF : 2064857.3/28

0.013+/-0.000 χ^2/NDF : 3899583.9/58

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: -0.094+/-0.000 χ^2/NDF : 85519911.0/11

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

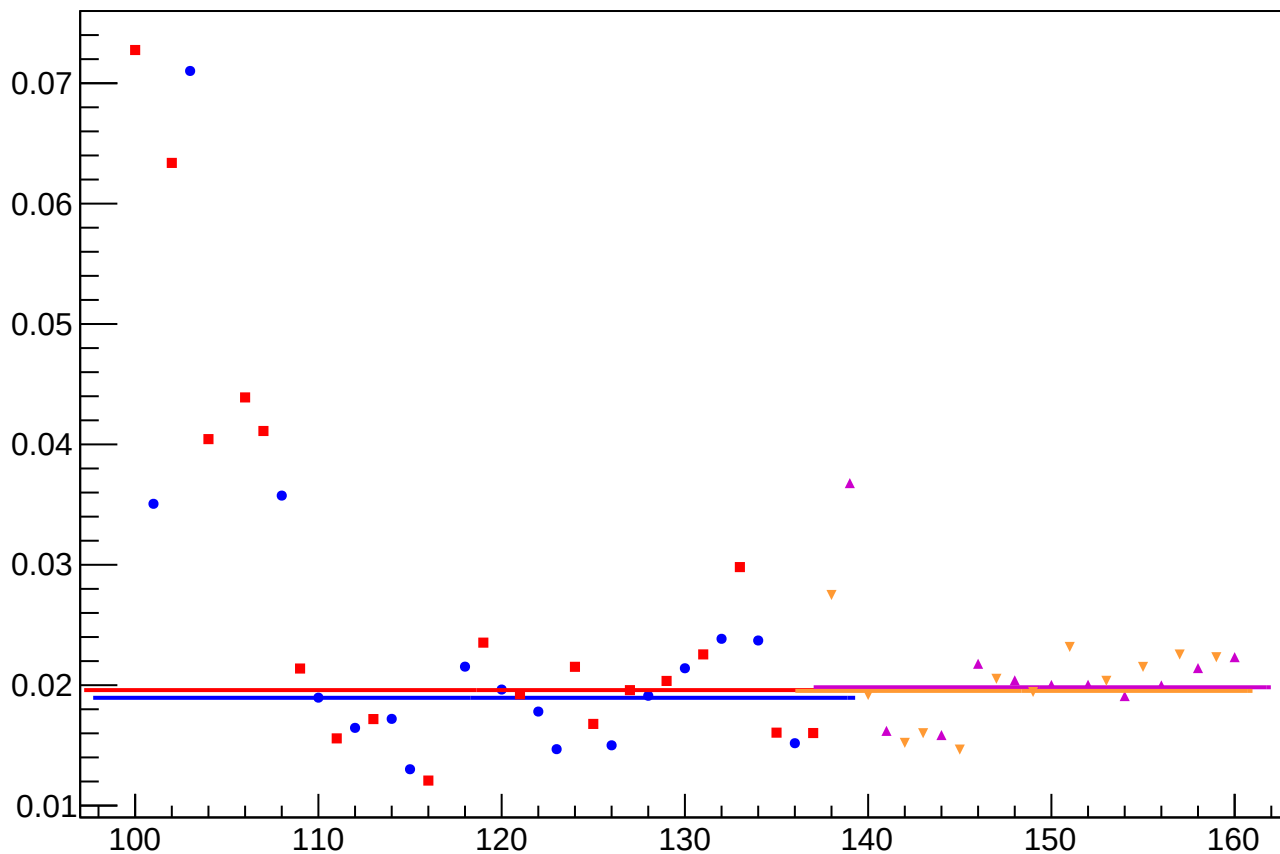
Left In: -0.079+/-0.000 χ^2/NDF : 68355179.8/10

-0.129+/-0.000 χ^2/NDF : 208865900.5/28

-0.128+/-0.000 χ^2/NDF : 459131393.6/58

-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: 0.020+/-0.000 χ^2/NDF : 411911.4/11

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

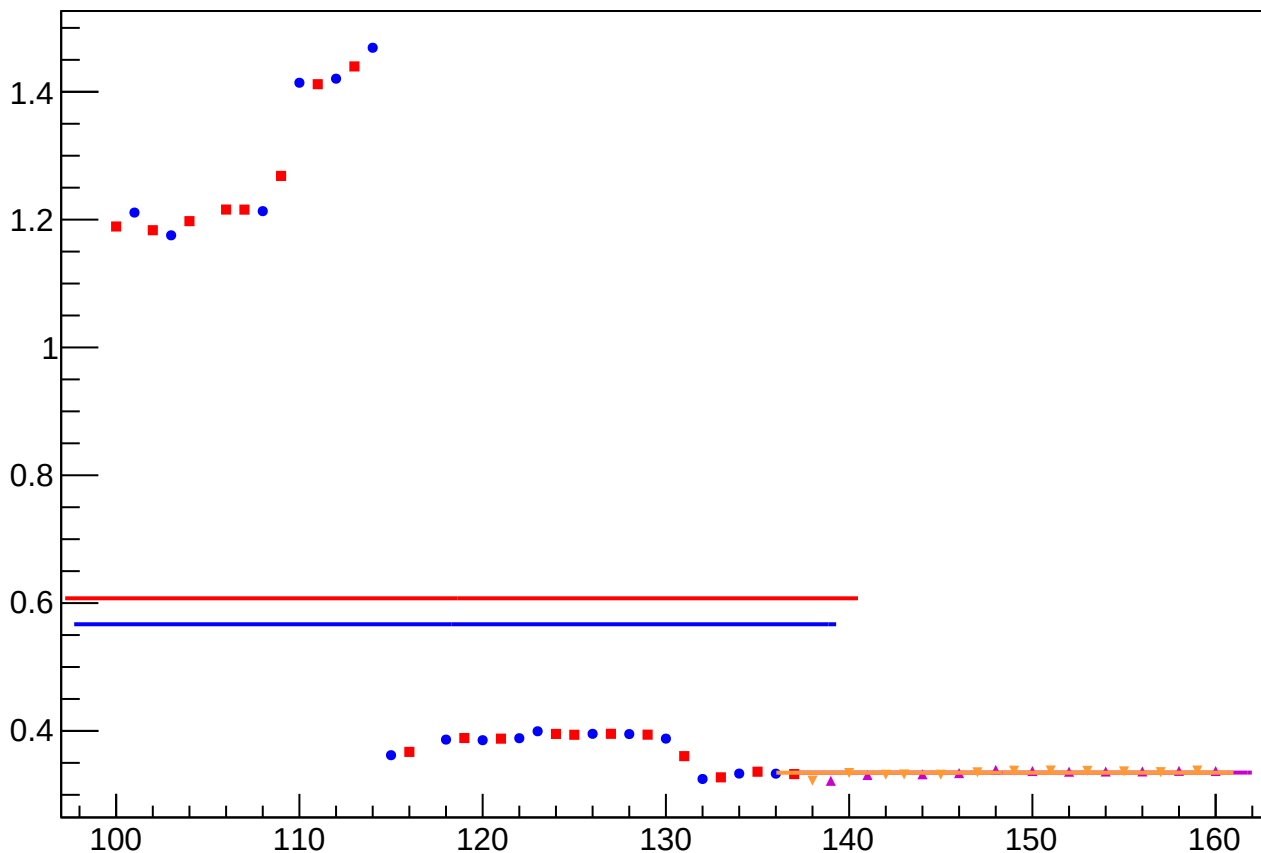
Left In: 0.020+/-0.000 χ^2/NDF : 483049.8/10

0.019+/-0.000 χ^2/NDF : 1620362.1/28

0.020+/-0.000 χ^2/NDF : 3565964.1/58

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:1060800.7/11

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

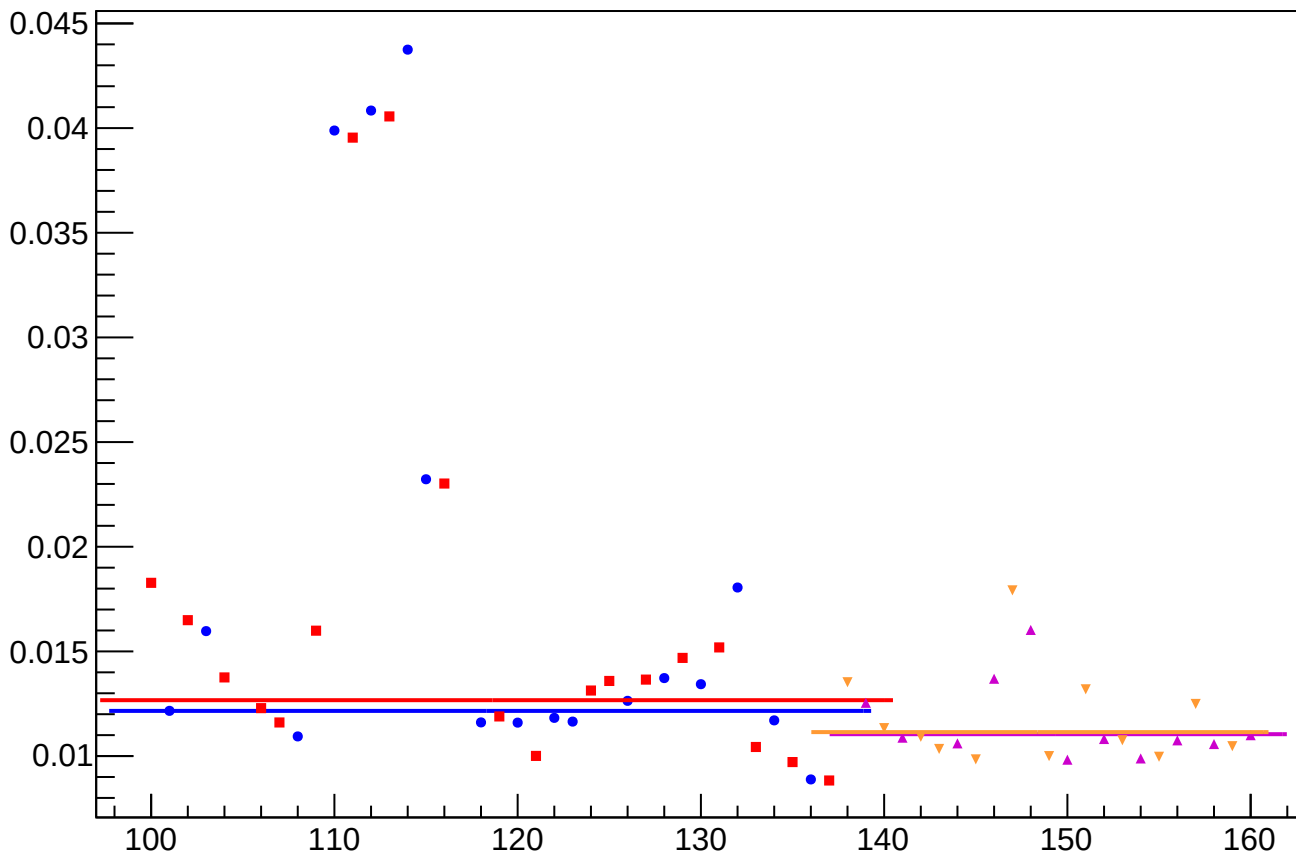
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1150530.3/10

0.418 $\pm$ 0.000 χ^2 /NDF: 6327051787.4/28

0.423 $\pm$ 0.000 χ^2 /NDF: 13628892115.2/5

0.428 $\pm$ 0.000 χ^2 /NDF: 7296260813.4/29

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 +/- 0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011 +/- 0.000 χ^2/NDF : 394865.2/11

Right Out: 0.013 +/- 0.000 χ^2/NDF : 1267219.4/18

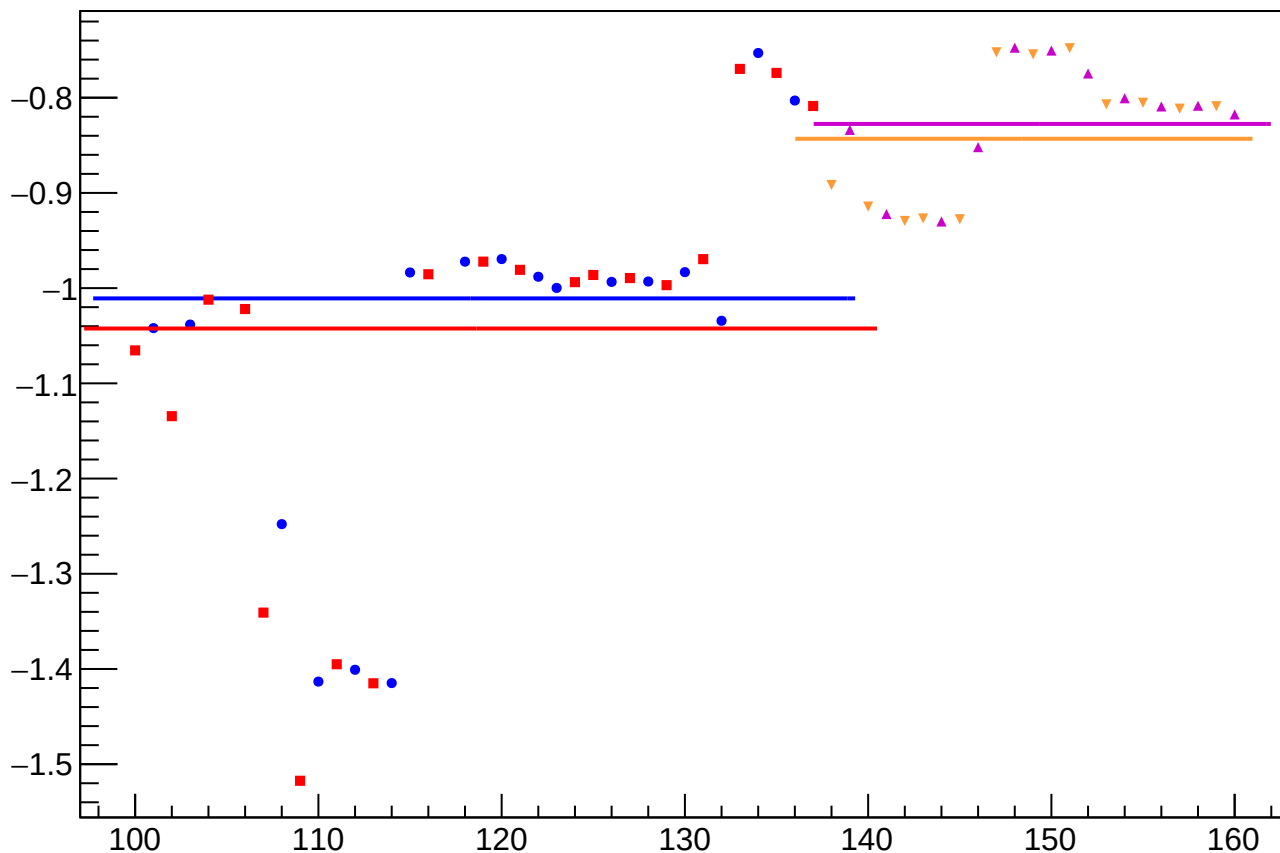
Left In: 0.011 +/- 0.000 χ^2/NDF : 282100.7/10

0.012 +/- 0.000 χ^2/NDF : 1752615.1/28

0.012 +/- 0.000 χ^2/NDF : 3429873.6/58

0.012 +/- 0.000 χ^2/NDF : 1676326.1/29

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.843+/-0.000 χ^2/NDF : 91383558.6/11

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

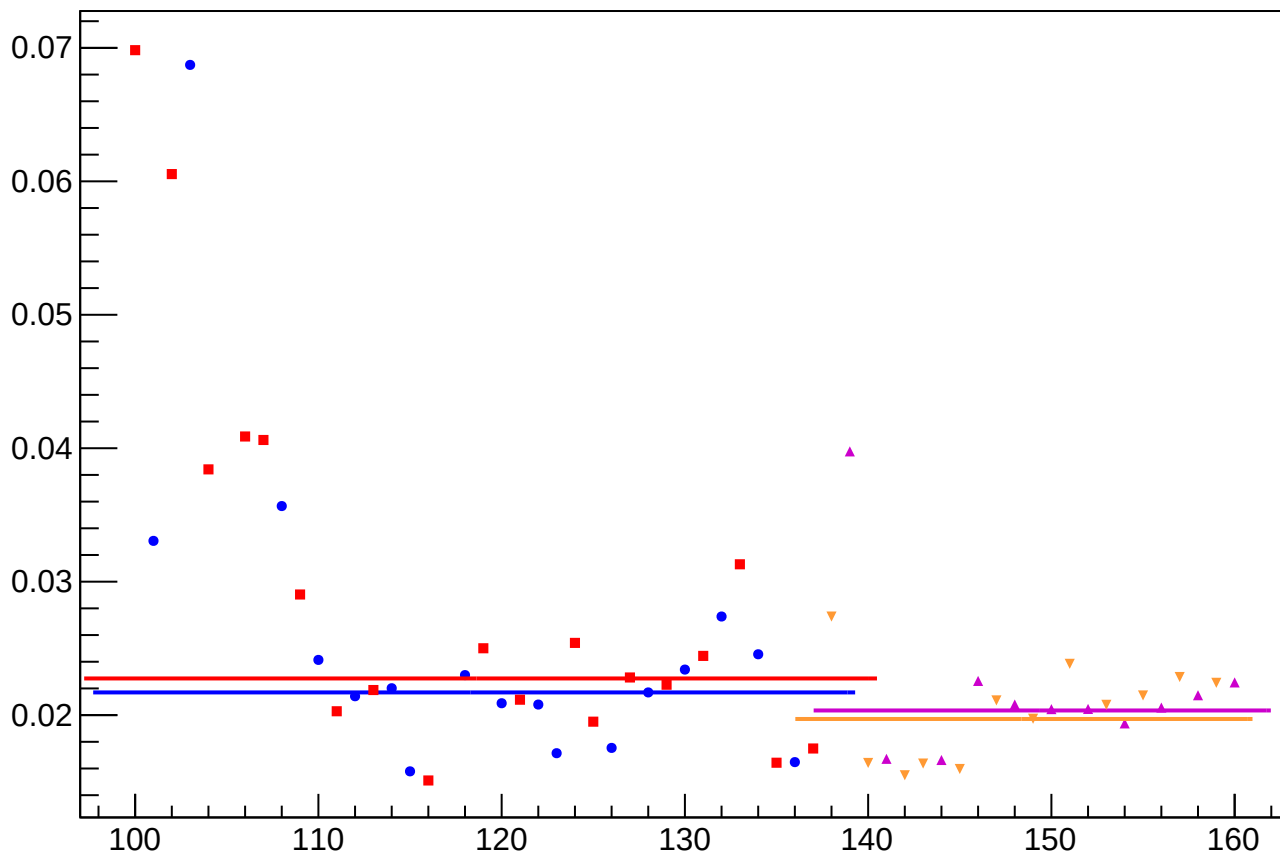
Left In: -0.828+/-0.000 χ^2/NDF : 70001639.3/10

-0.906+/-0.000 χ^2/NDF : 666214548.3/28

-0.907+/-0.000 χ^2/NDF : 1561589333.5/50

-0.908+/-0.000 χ^2/NDF : 895324420.4/29

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 379597.9/11

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

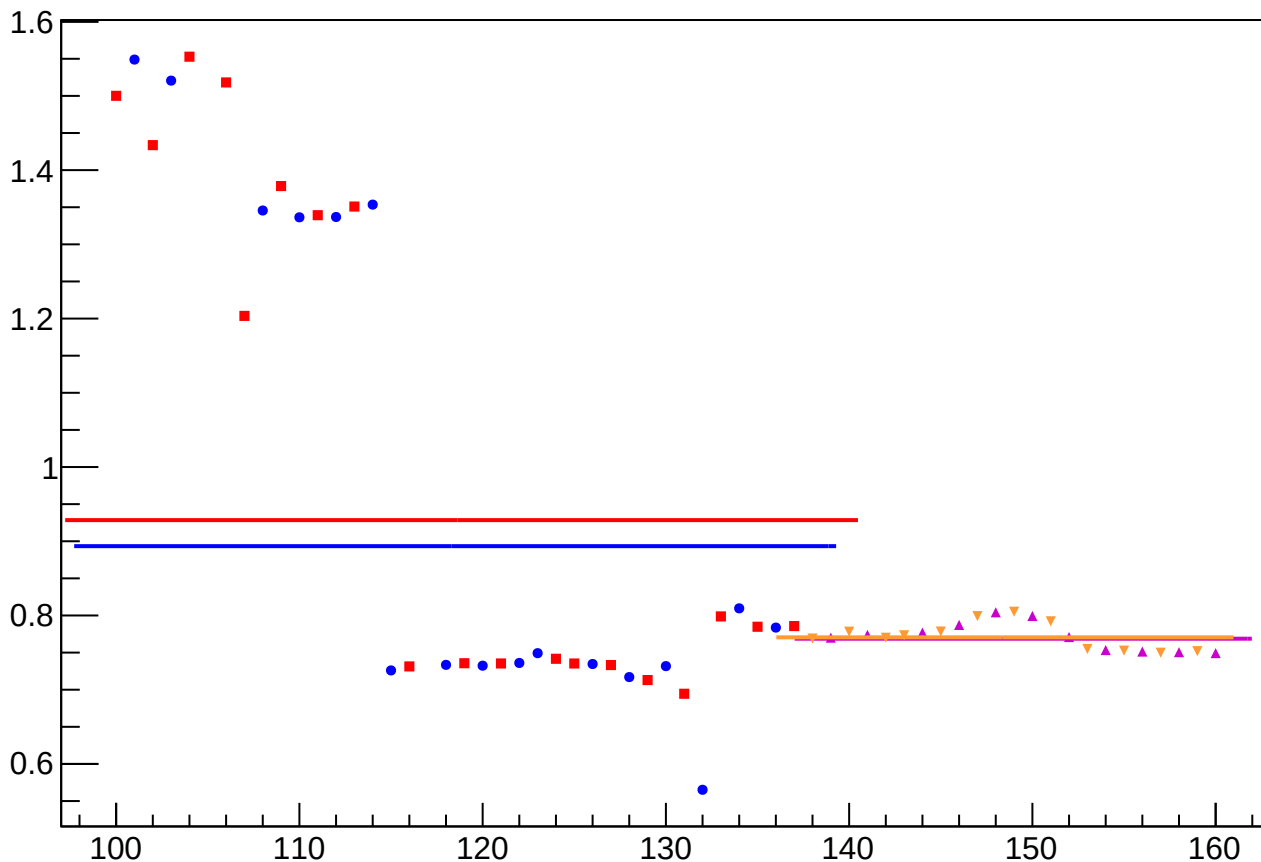
Left In: 0.020+/-0.000 χ^2/NDF : 492860.9/10

0.020+/-0.000 χ^2/NDF : 1411769.9/28

0.021+/-0.000 χ^2/NDF : 3148175.2/58

0.021+/-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: 0.771+/-0.000 χ^2/NDF :15184484.8/11

Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

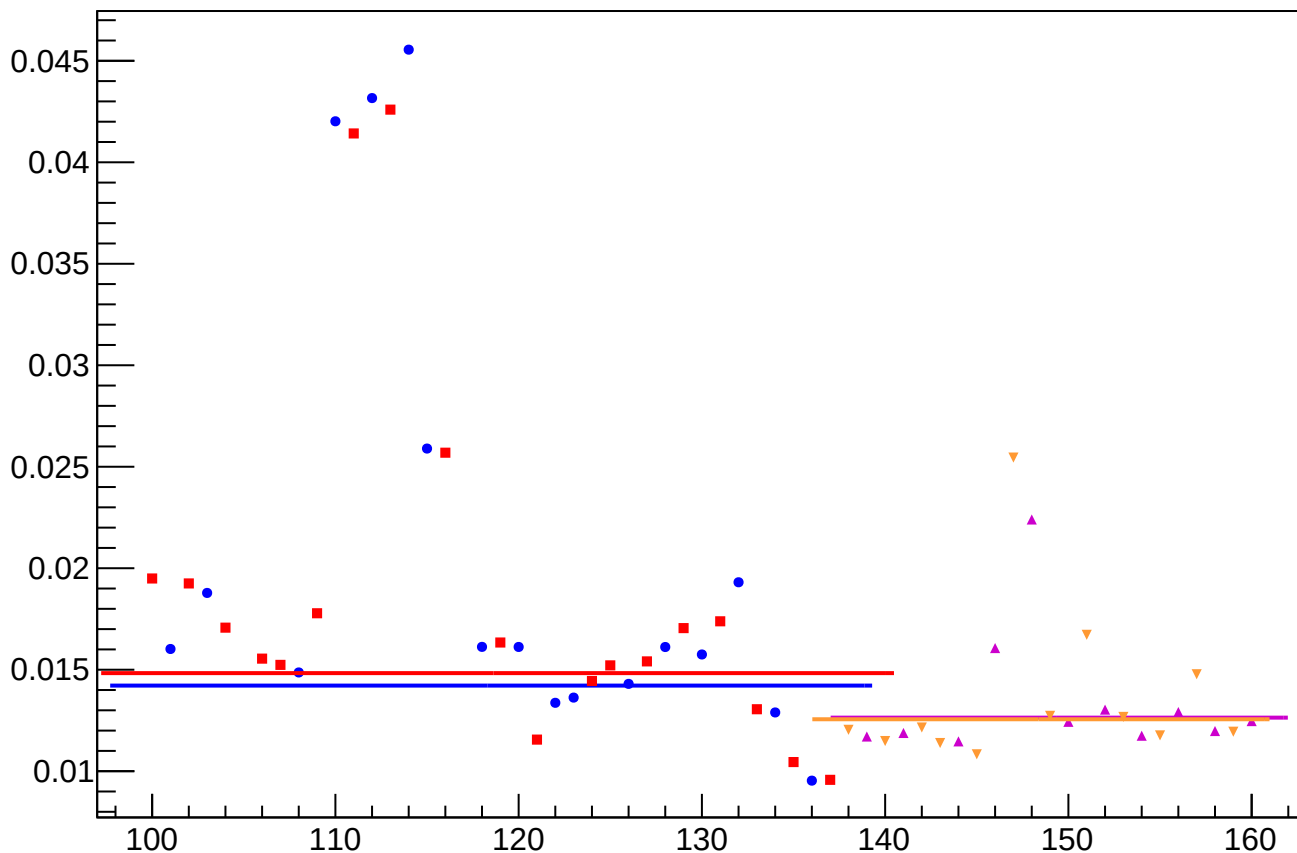
Left In: 0.769+/-0.000 χ^2/NDF :15270891.4/10

0.813+/-0.000 χ^2/NDF : 2697214050.1/28

0.818+/-0.000 χ^2/NDF : 5611625324.9/58

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 : 582836.3/11

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1269559.2/18

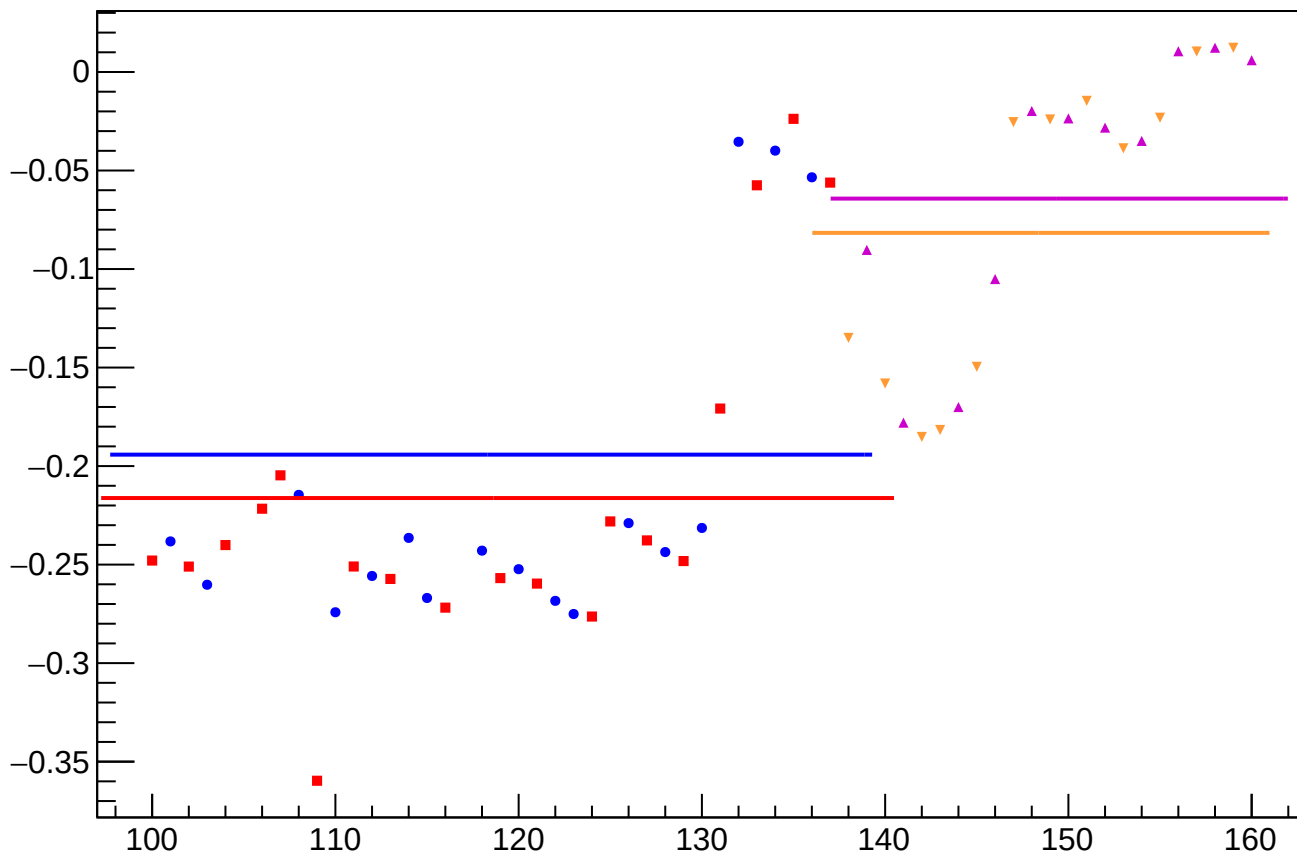
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 405091.2/10

0.013 $\pm$ 0.000 χ^2/NDF : 2092352.5/28

0.013 $\pm$ 0.000 χ^2/NDF : 3945395.6/58

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: -0.082+/-0.000 χ^2/NDF : 103484660.5/11

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

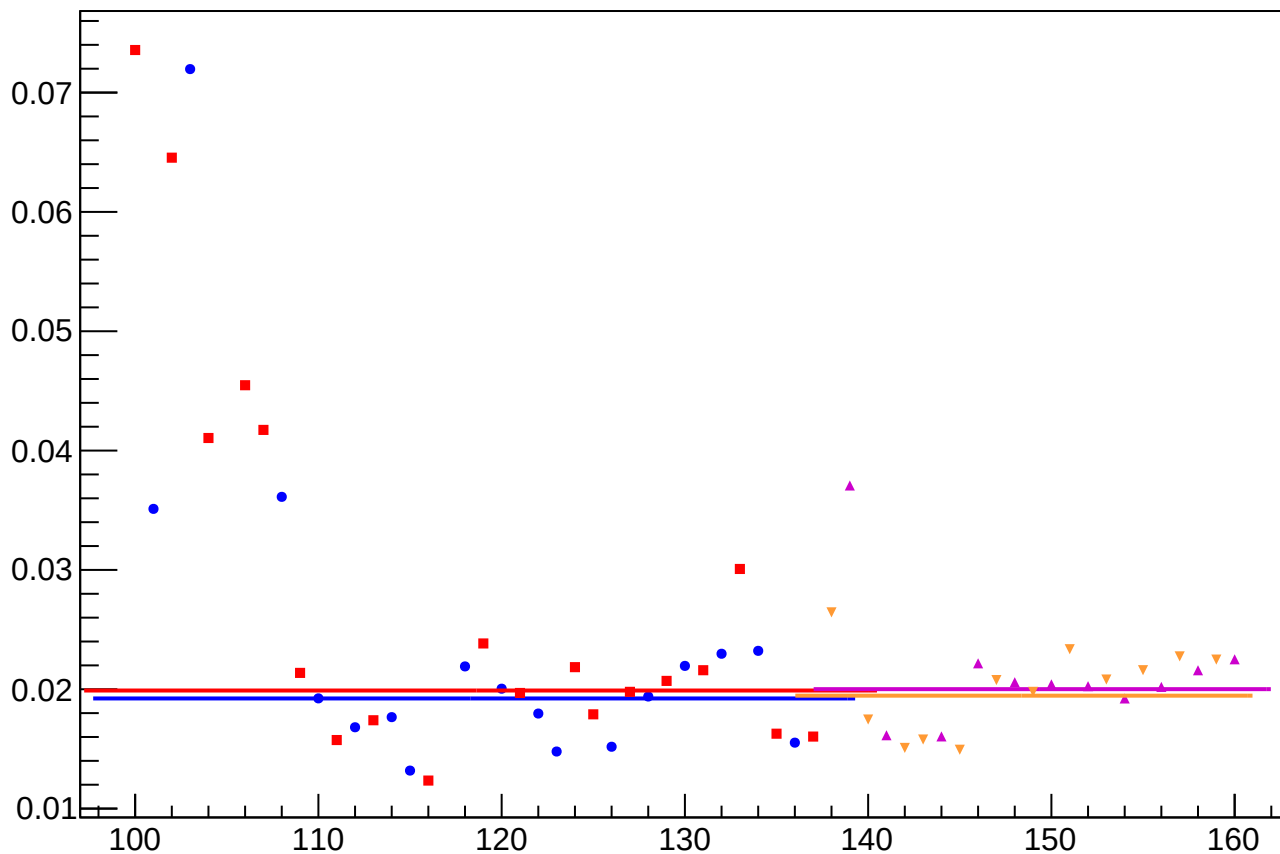
Left In: -0.064+/-0.000 χ^2/NDF : 93366964.2/10

-0.129+/-0.000 χ^2/NDF : 310023552.6/28

-0.129+/-0.000 χ^2/NDF : 688667328.7/58

-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 : 412533.7/11

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

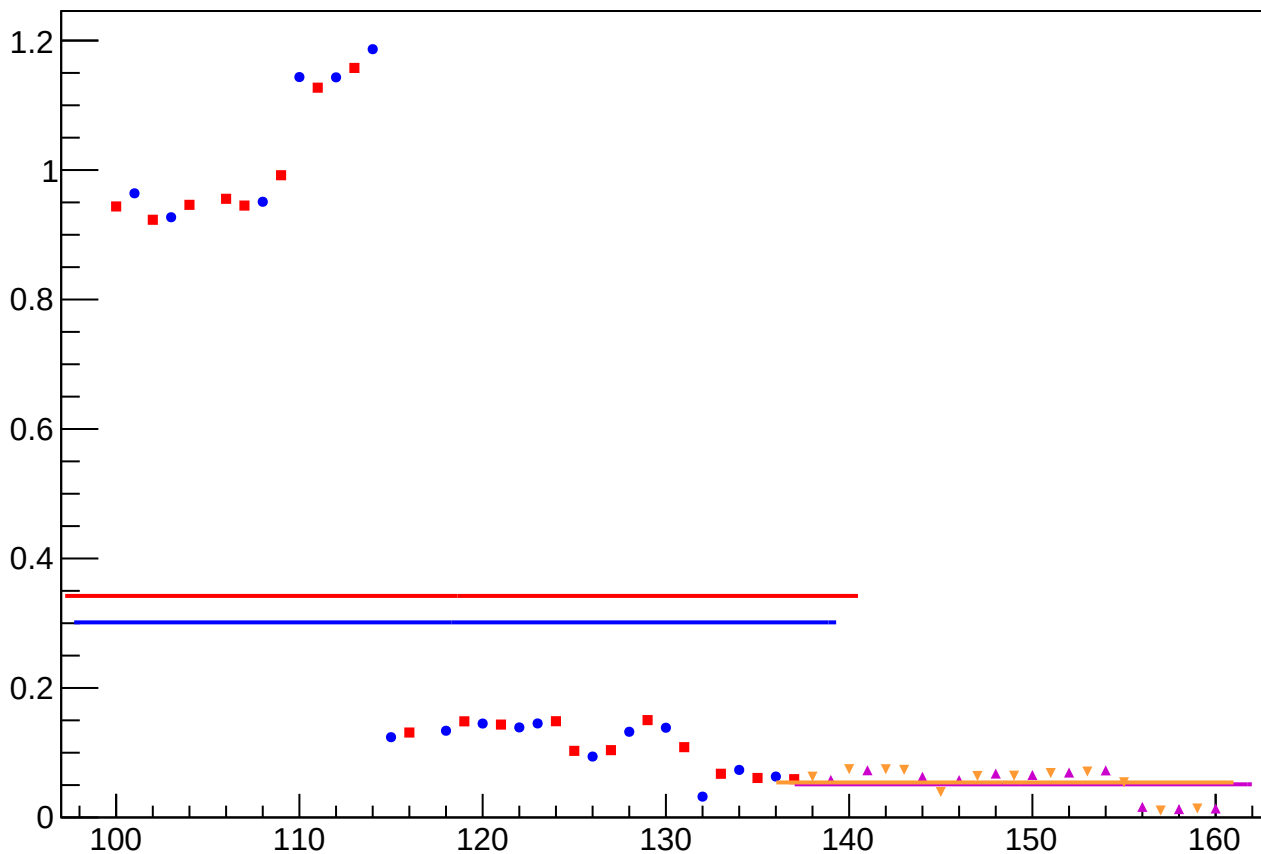
Left In: 0.020+/-0.000 χ^2/NDF : 490386.4/10

0.019+/-0.000 χ^2/NDF : 1587956.7/28

0.020+/-0.000 χ^2/NDF : 3534121.1/58

0.020+/-0.000 χ^2/NDF : 1935024.5/29

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301 $\pm$ 0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.054 $\pm$ 0.000 χ^2/NDF : 34622976.5/11

Right Out: 0.342 $\pm$ 0.000 χ^2/NDF : 5442717599.3/18

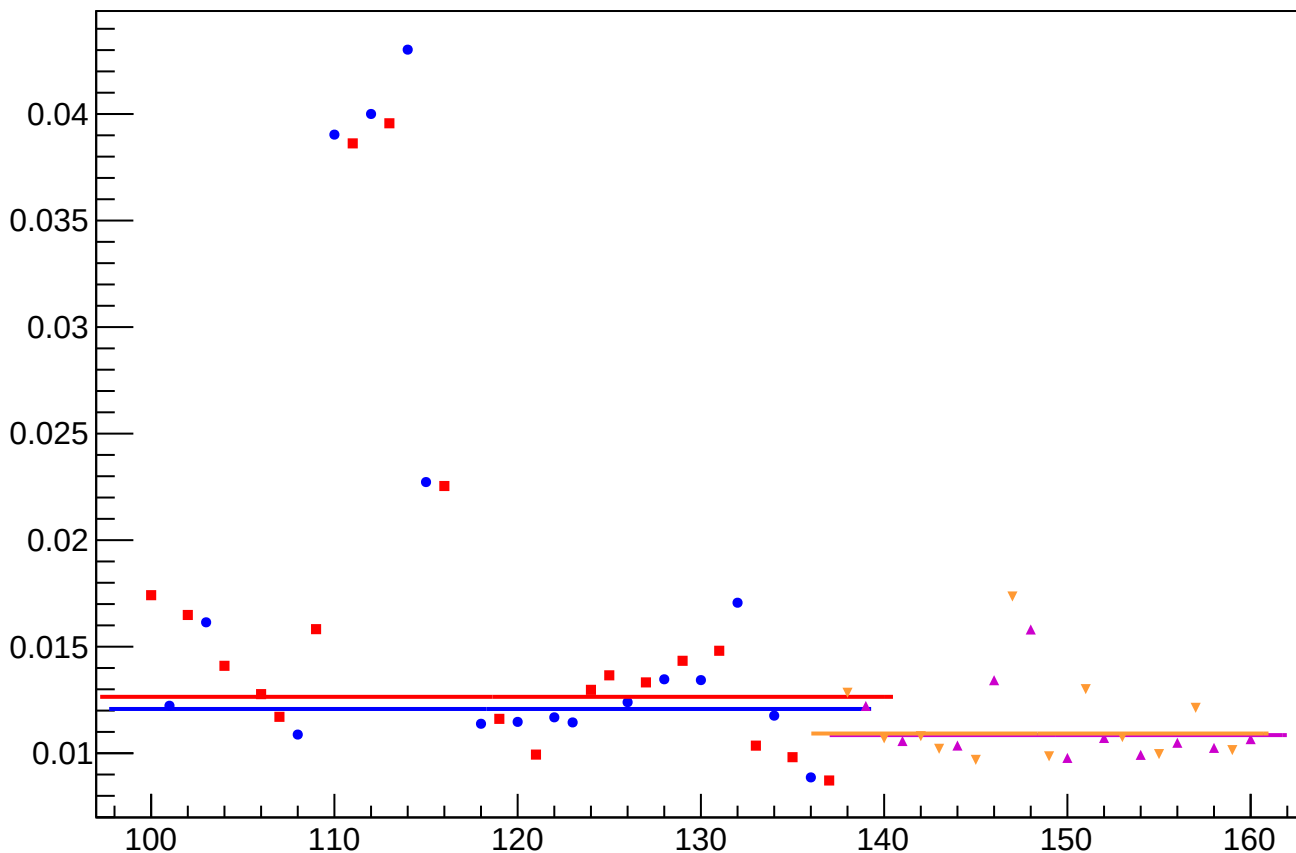
Left In: 0.051 $\pm$ 0.000 χ^2/NDF : 43110759.6/10

0.141 $\pm$ 0.000 χ^2/NDF : 6708862266.2/28

0.145 $\pm$ 0.000 χ^2/NDF : 14266843093.8/5

0.149 $\pm$ 0.000 χ^2/NDF : 7554924346.8/29

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: 362969.6/11

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

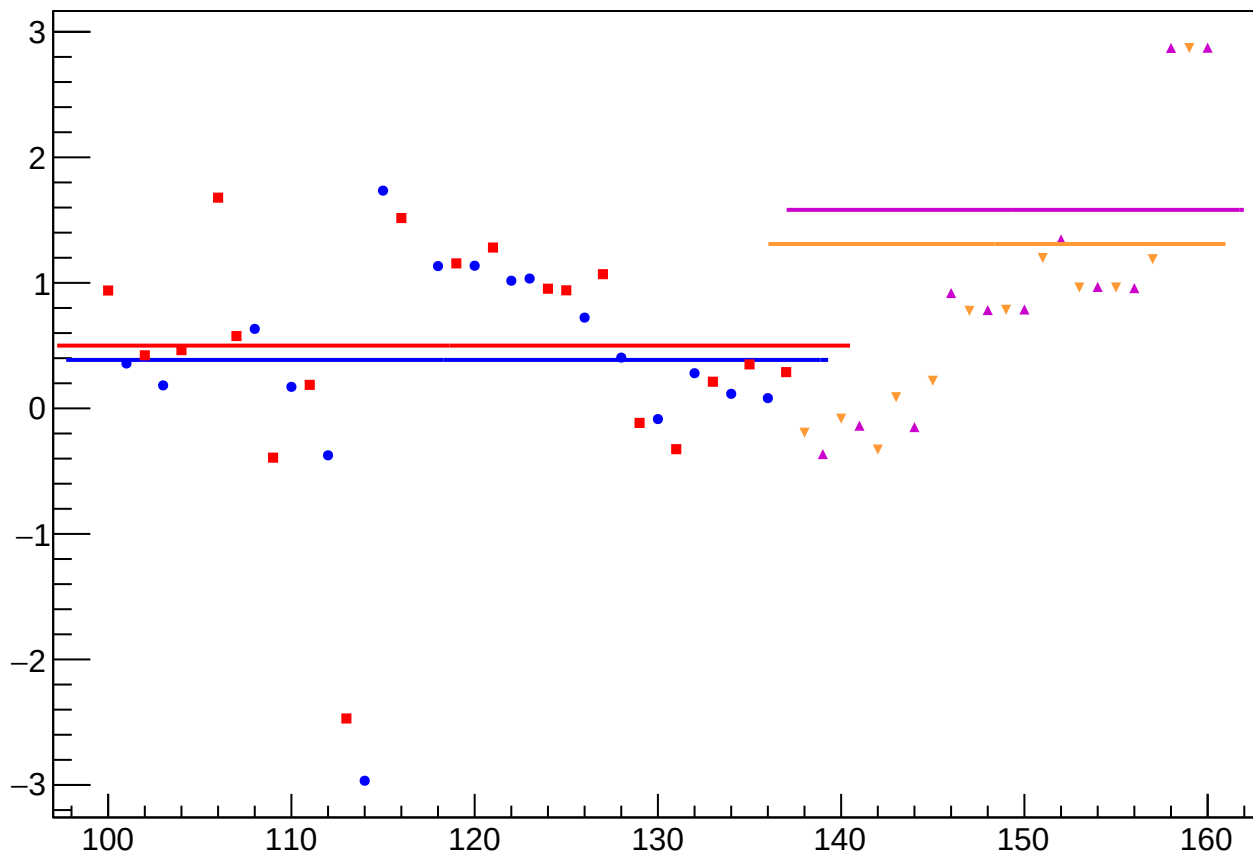
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 272252.6/10

0.011 $\pm$ 0.000 χ^2 /NDF: 1709313.0/28

0.011 $\pm$ 0.000 χ^2 /NDF: 3376964.0/58

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: 1.309 $\pm$ 0.000 χ^2/NDF :11324121108.0/11

Right Out: 0.500 $\pm$ 0.000 χ^2/NDF : 983386658.7/18

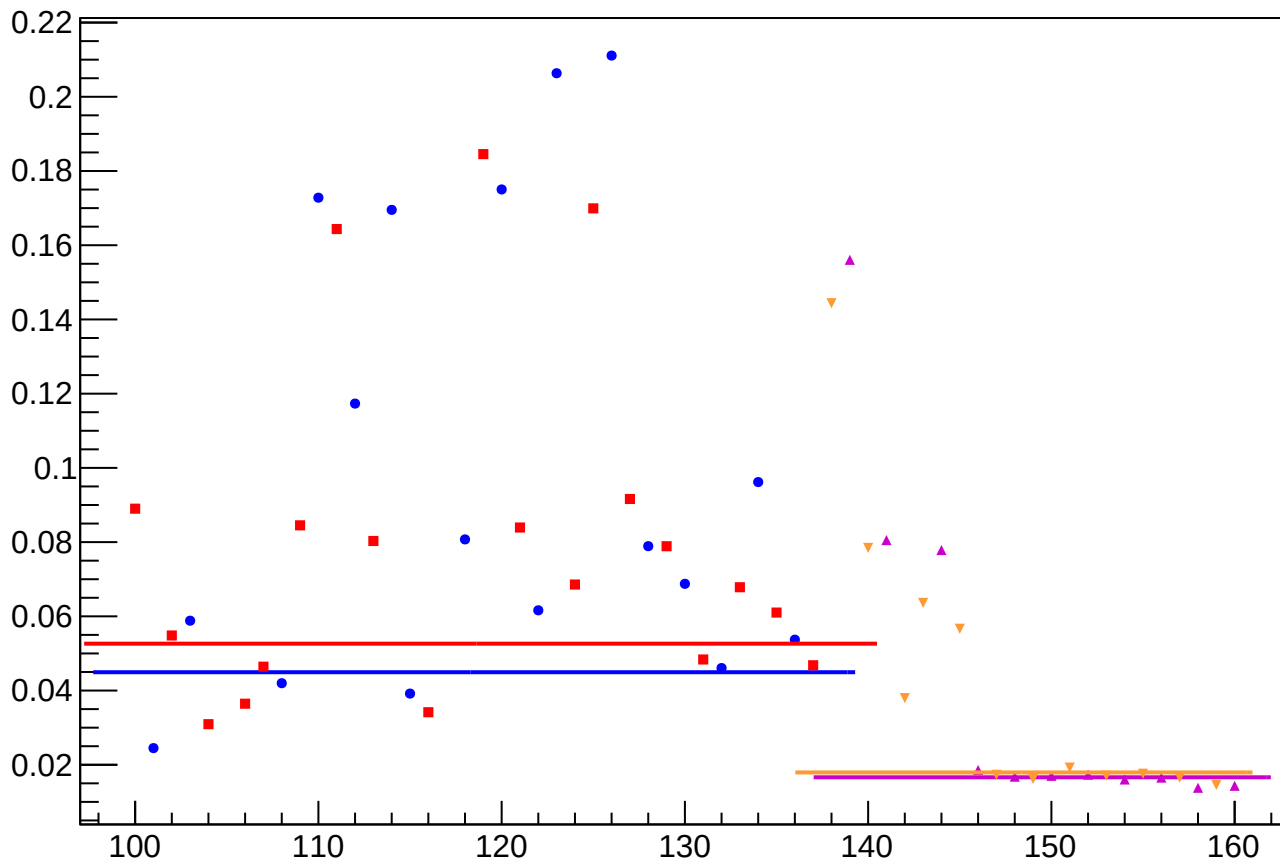
Left In: 1.582 $\pm$ 0.000 χ^2/NDF :18818759386.8/10

1.227 $\pm$ 0.000 χ^2/NDF : 12927407410.2/28

1.383 $\pm$ 0.000 χ^2/NDF : 35231544750.2/5

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: 0.018+/-0.000 χ^2/NDF : 2656299.0/11

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

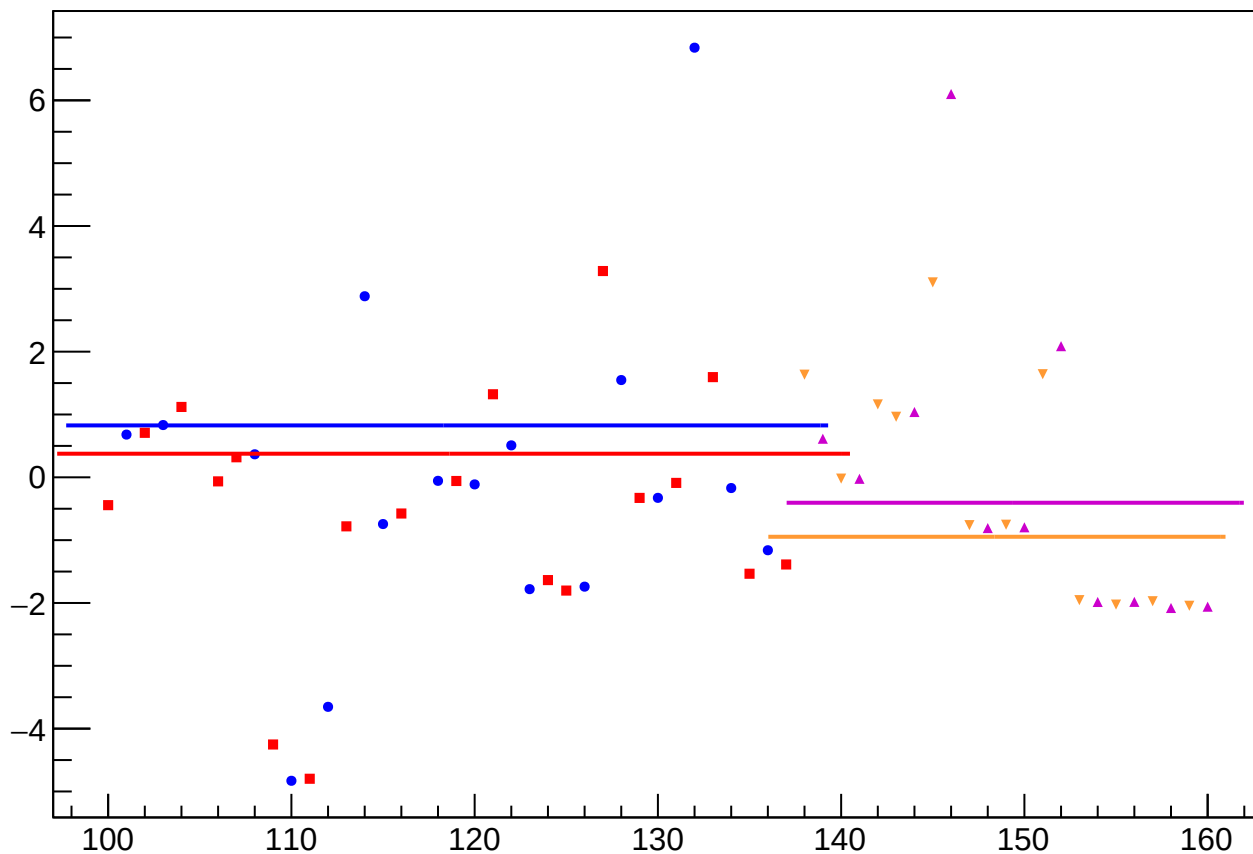
Left In: 0.017+/-0.000 χ^2/NDF : 2390136.1/10

0.020+/-0.000 χ^2/NDF : 7765464.0/28

0.020+/-0.000 χ^2/NDF : 16004658.8/58

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: -0.946+/-0.000 χ^2/NDF : 79971206431.8/11

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

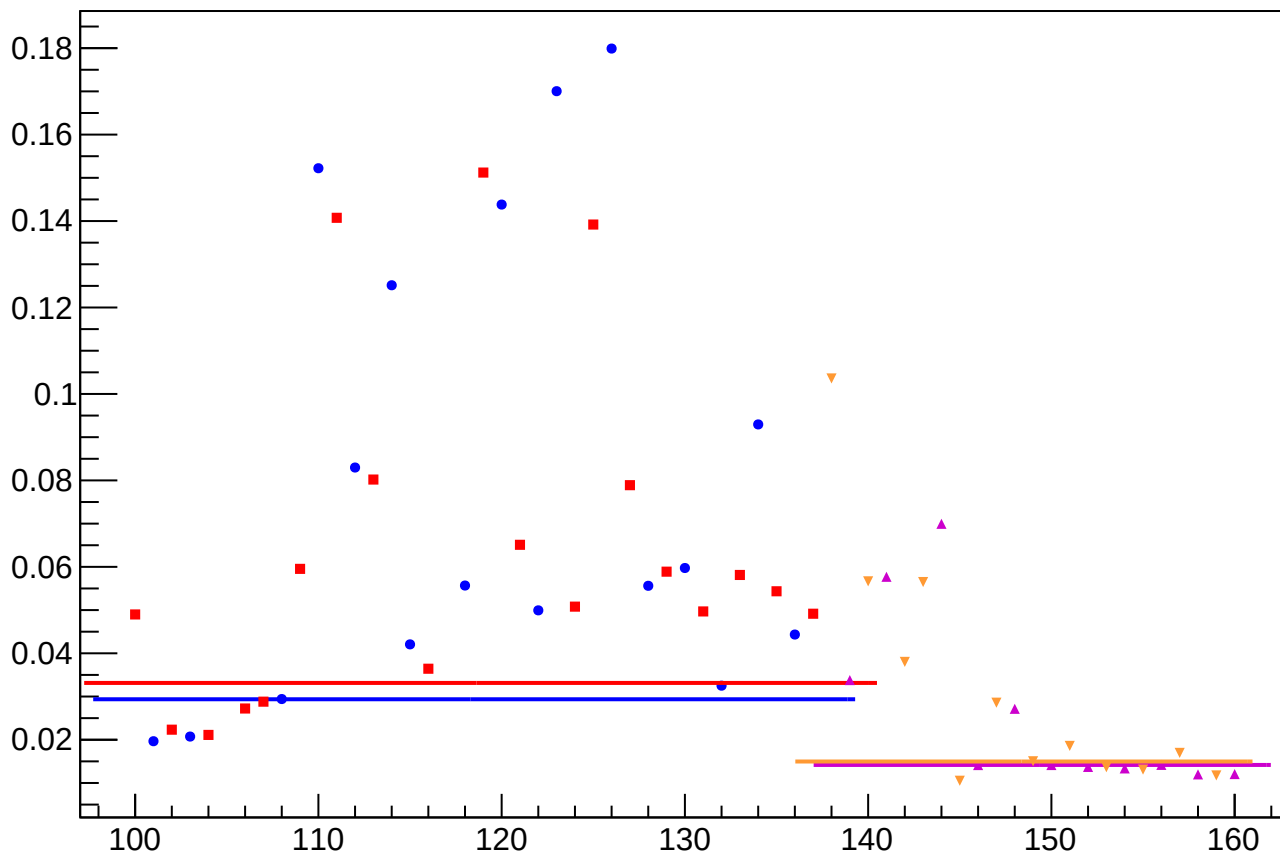
Left In: -0.405+/-0.000 χ^2/NDF : 225453468966.7/10

-0.720+/-0.000 χ^2/NDF : 101693752894.5/28

-0.509+/-0.000 χ^2/NDF : 336555015846.7

-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 : 2680930.1/11

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

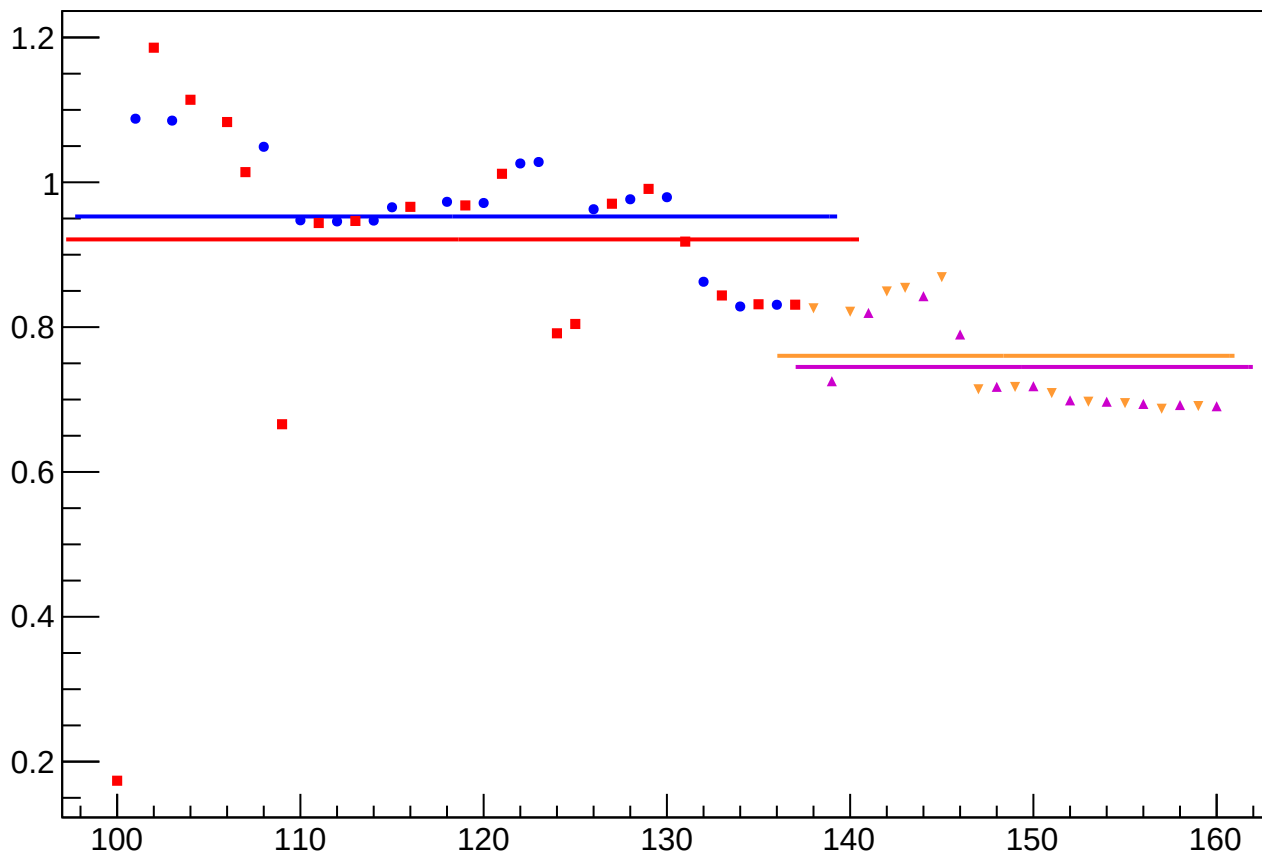
Left In: 0.014+/-0.000 χ^2/NDF : 1830438.1/10

0.017+/-0.000 χ^2/NDF : 7091170.8/28

0.016+/-0.000 χ^2/NDF : 14315333.9/58

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: 0.760+/-0.000 χ^2/NDF : 222597222.0/11

Right Out: 0.921+/-0.000 χ^2/NDF : 374151585.5/18

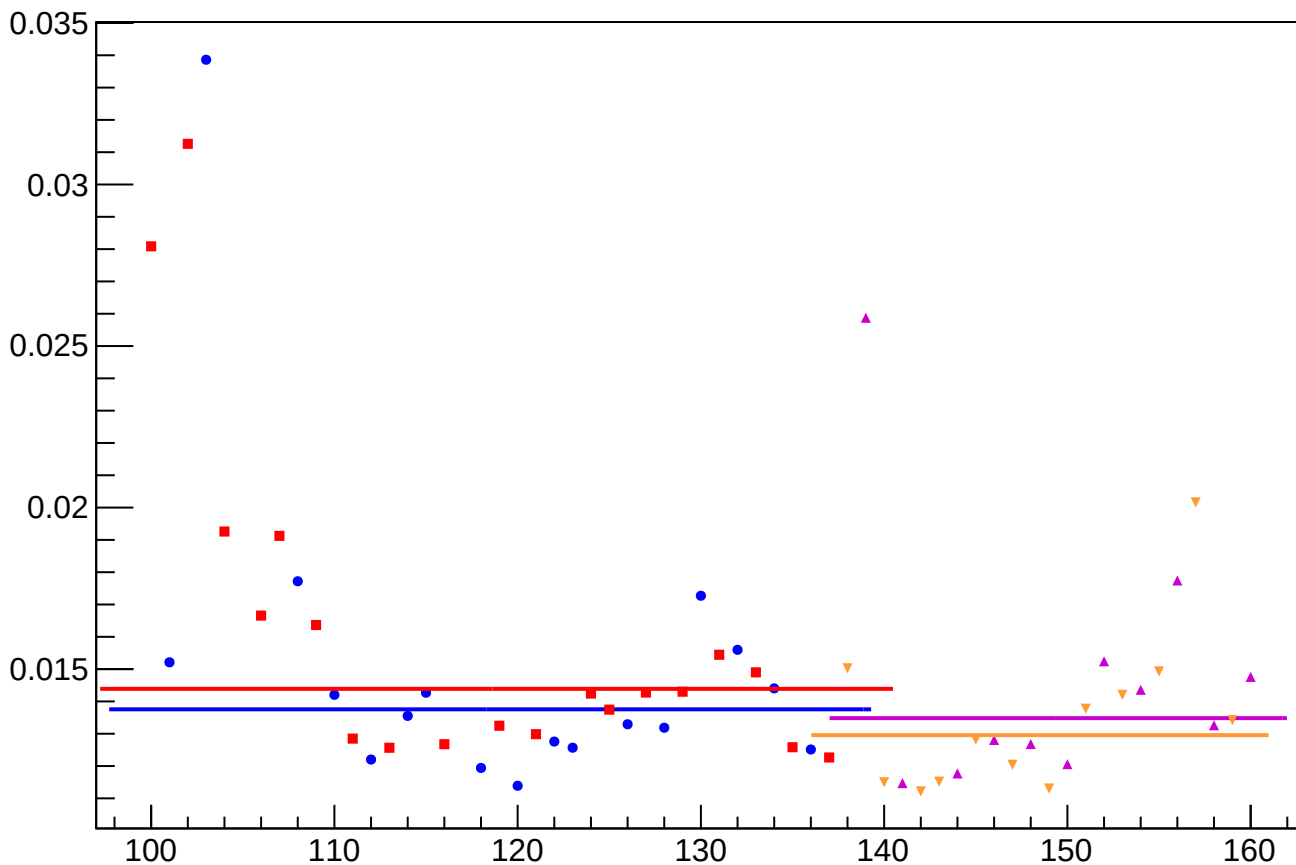
Left In: 0.745+/-0.000 χ^2/NDF : 142083289.9/10

0.838+/-0.000 χ^2/NDF : 1072678242.7/28

0.827+/-0.000 χ^2/NDF : 2147289770.1/58

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 : 313127.8/11

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

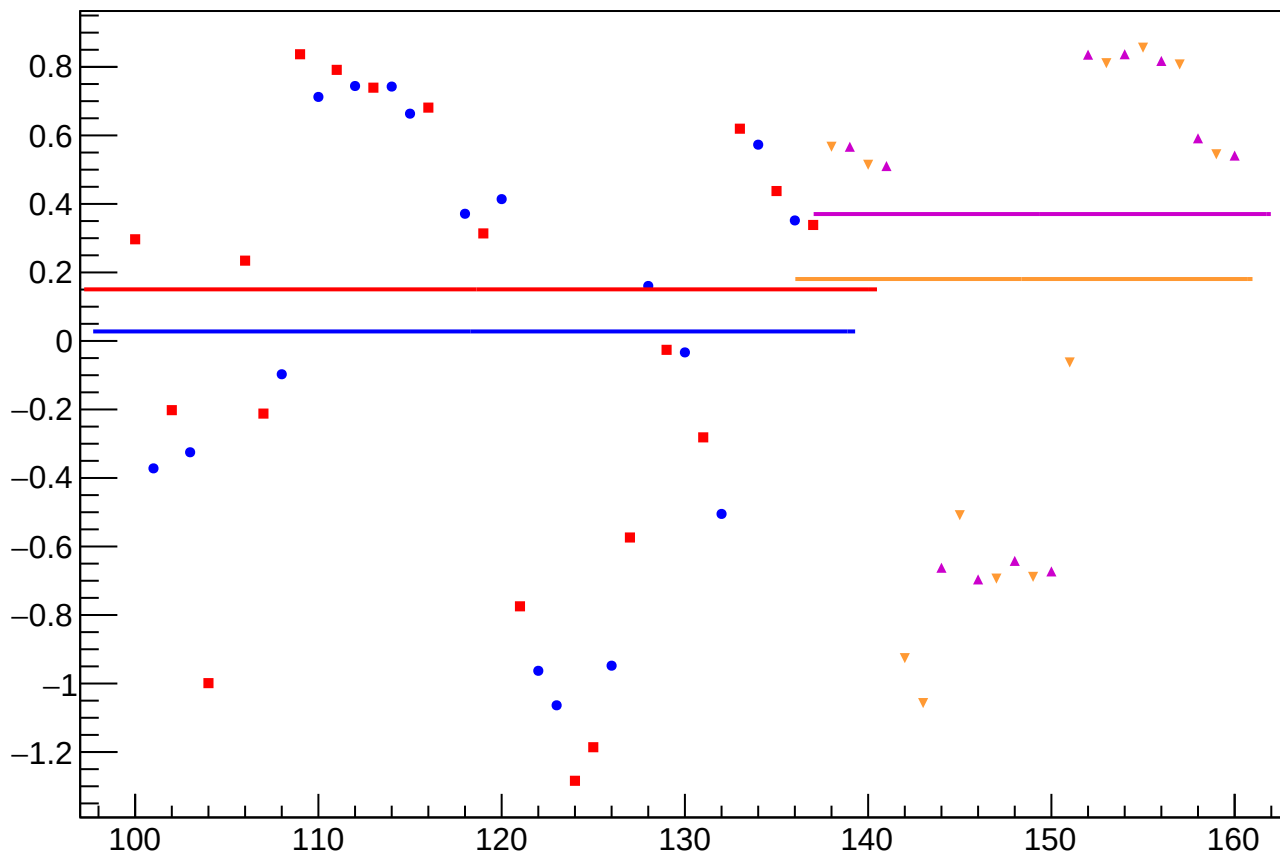
Left In: 0.013+/-0.000 χ^2/NDF : 544111.0/10

0.013+/-0.000 χ^2/NDF : 874875.7/28

0.014+/-0.000 χ^2/NDF : 1975845.2/58

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 : 6276955529.7/16

Left Out: 0.181 $\pm$ 0.000 χ^2/NDF : 23127901565.4/11

Right Out: 0.151 $\pm$ 0.000 χ^2/NDF : 12653743155.9/18

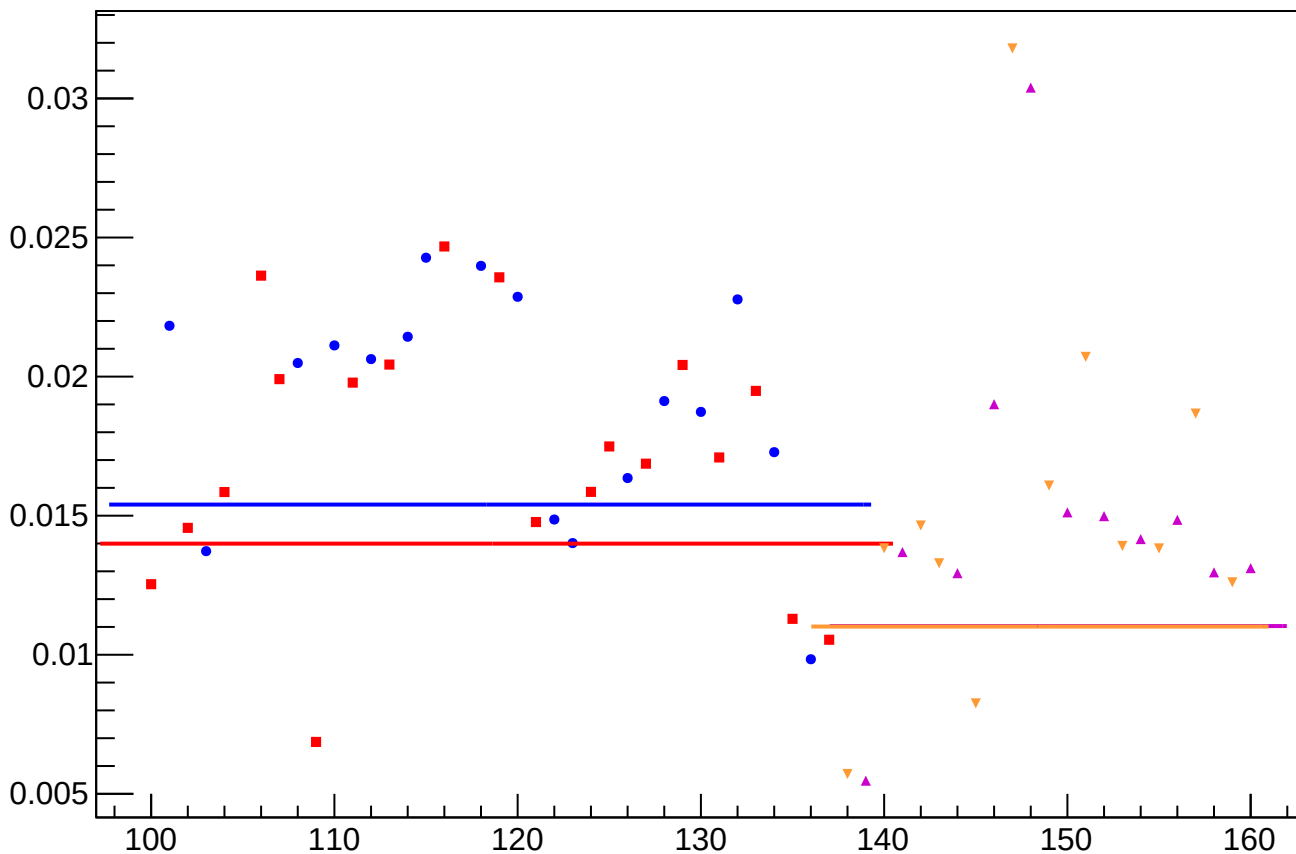
Left In: 0.370 $\pm$ 0.000 χ^2/NDF : 16025844445.1/10

0.136 $\pm$ 0.000 χ^2/NDF : 29795830404.2/28

0.220 $\pm$ 0.000 χ^2/NDF : 60505384910.2/5

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 : 2806679.7/11

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

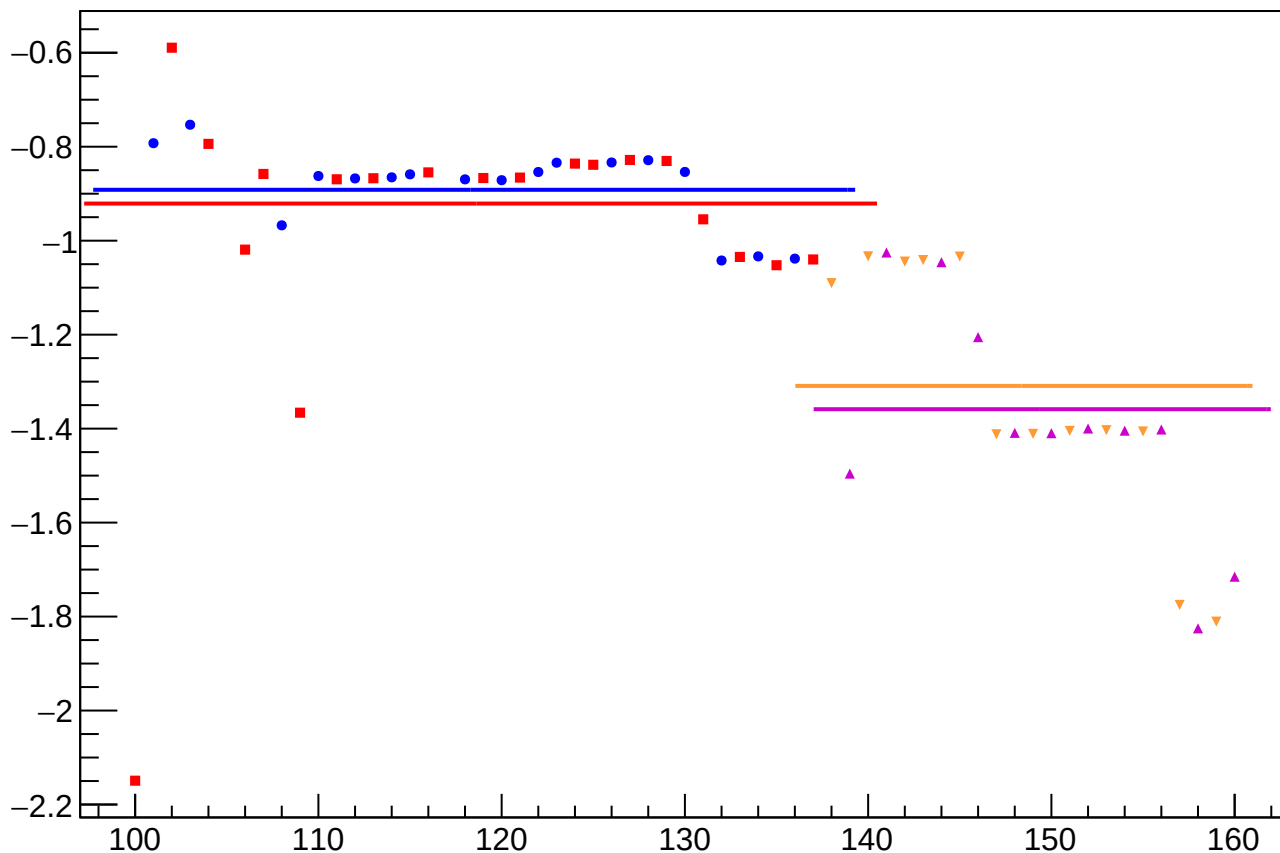
Left In: 0.011+/-0.000 χ^2/NDF : 2841232.1/10

0.012+/-0.000 χ^2/NDF : 4590558.6/28

0.012+/-0.000 χ^2/NDF : 9337408.6/58

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: -1.309 $\pm$ 0.000 χ^2/NDF : 434721998.2/11

Right Out: -0.921 $\pm$ 0.000 χ^2/NDF : 131159330.1/18

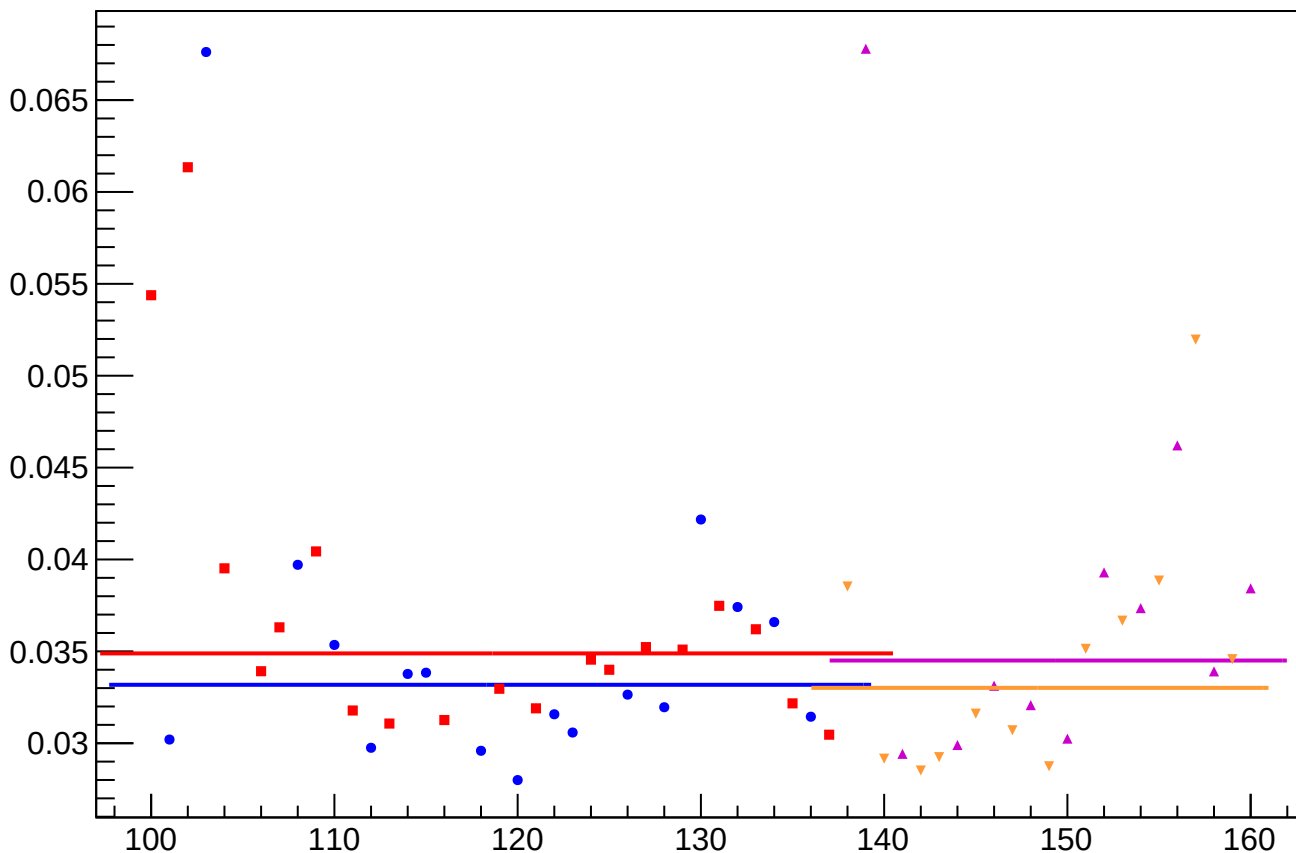
Left In: -1.359 $\pm$ 0.000 χ^2/NDF : 400817928.5/10

-1.129 $\pm$ 0.000 χ^2/NDF : 996492061.9/28

-1.148 $\pm$ 0.000 χ^2/NDF : 2083615348.7/50

-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 :337454.3/11

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

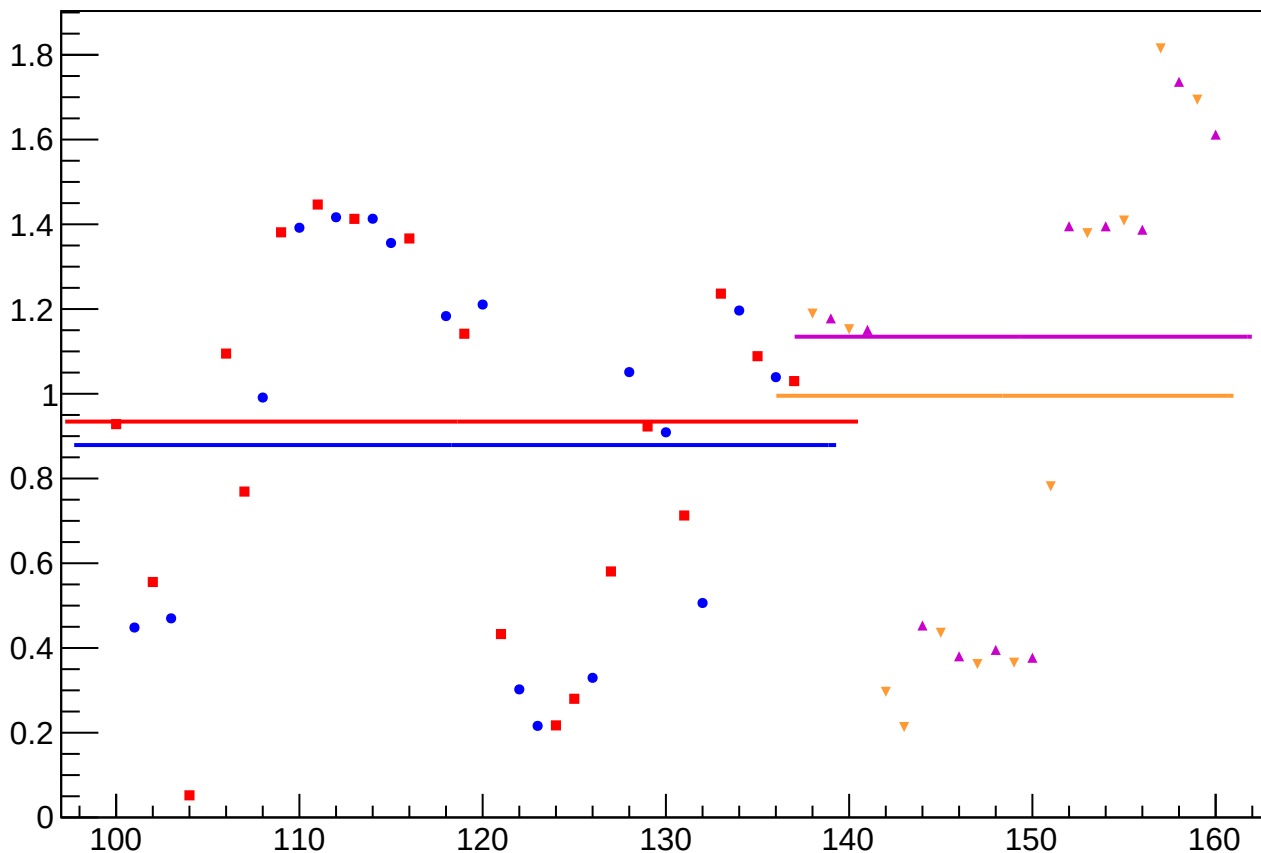
Left In: 0.035+/-0.000 χ^2/NDF :590257.4/10

0.033+/-0.000 χ^2/NDF : 737726.2/28

0.034+/-0.000 χ^2/NDF : 1633691.9/58

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: 0.995 ± 0.000 χ^2/NDF : 27782343770.6/11

Right Out: 0.934 ± 0.000 χ^2/NDF : 9827120184.9/18

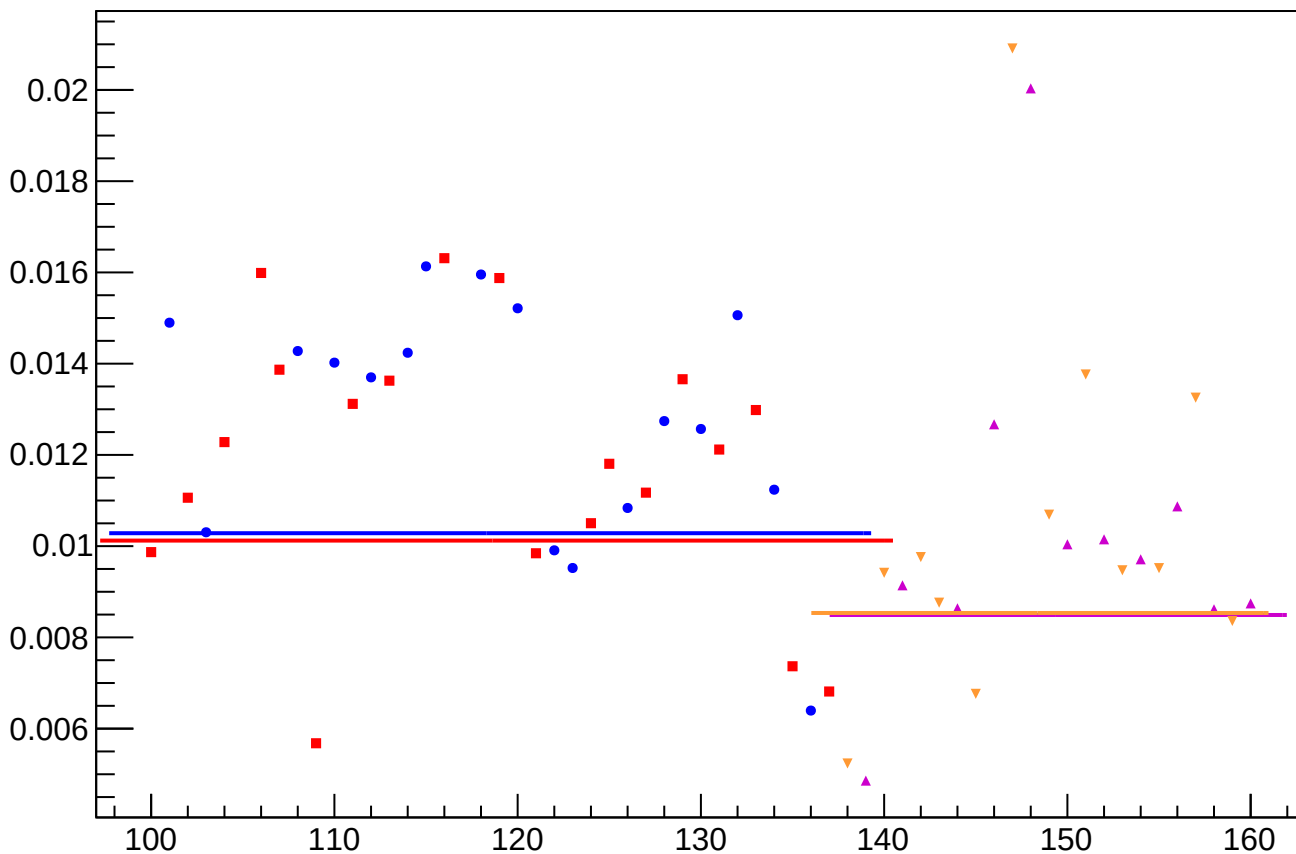
Left In: 1.135 ± 0.000 χ^2/NDF : 21393894369.6/10

0.957 ± 0.000 χ^2/NDF : 34627896593.1/28

1.012 ± 0.000 χ^2/NDF : 68305117776.4/5

1.066 ± 0.000 χ^2/NDF : 32717977095.2/29

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1652426.3/11

Right Out: 0.010+/-0.000 χ^2/NDF : 1176642.1/18

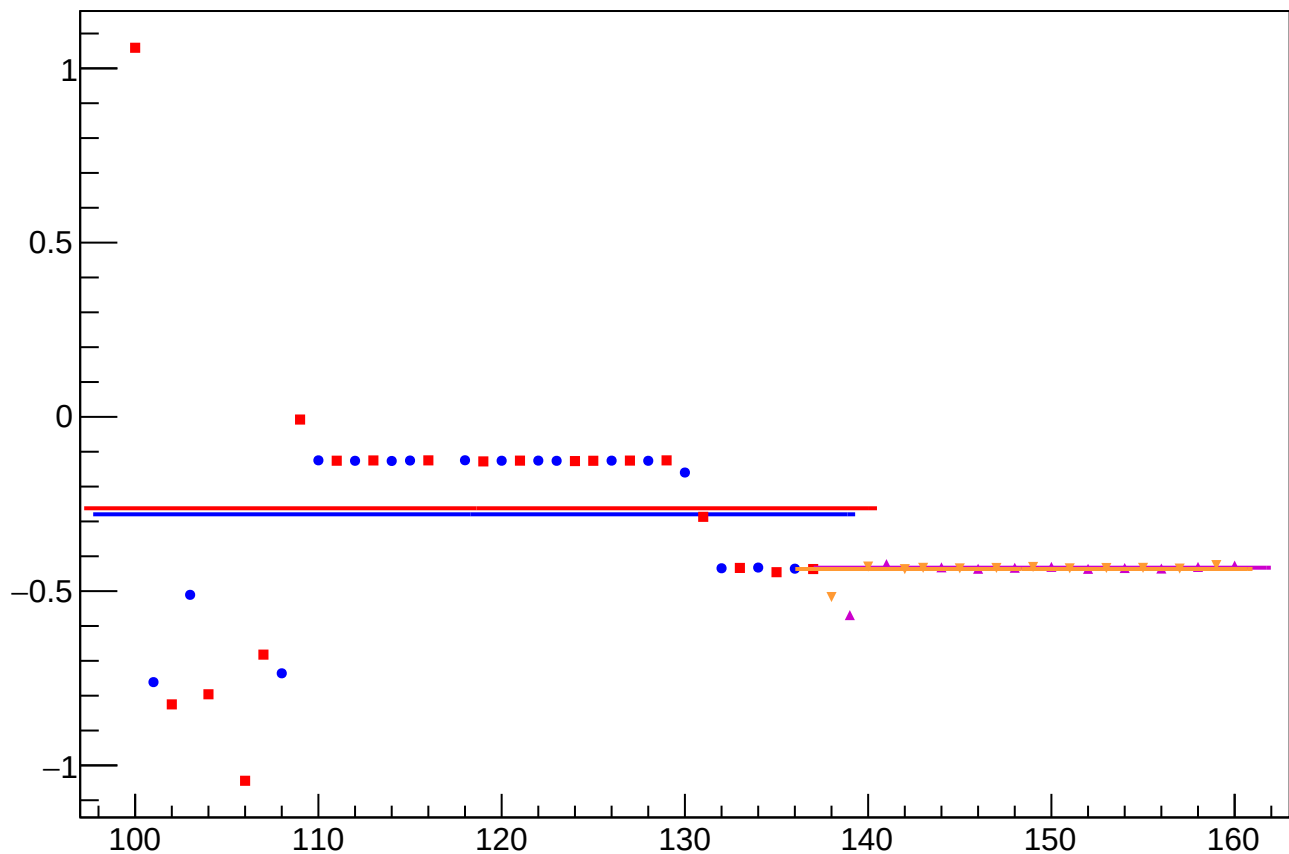
Left In: 0.008+/-0.000 χ^2/NDF : 1609263.7/10

0.009+/-0.000 χ^2/NDF : 3073993.9/28

0.009+/-0.000 χ^2/NDF : 6058954.5/58

0.009+/-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: -0.436+/-0.000 χ^2/NDF : 25403158.5/11

Right Out: -0.262+/-0.000 χ^2/NDF : 1006263824.6/18

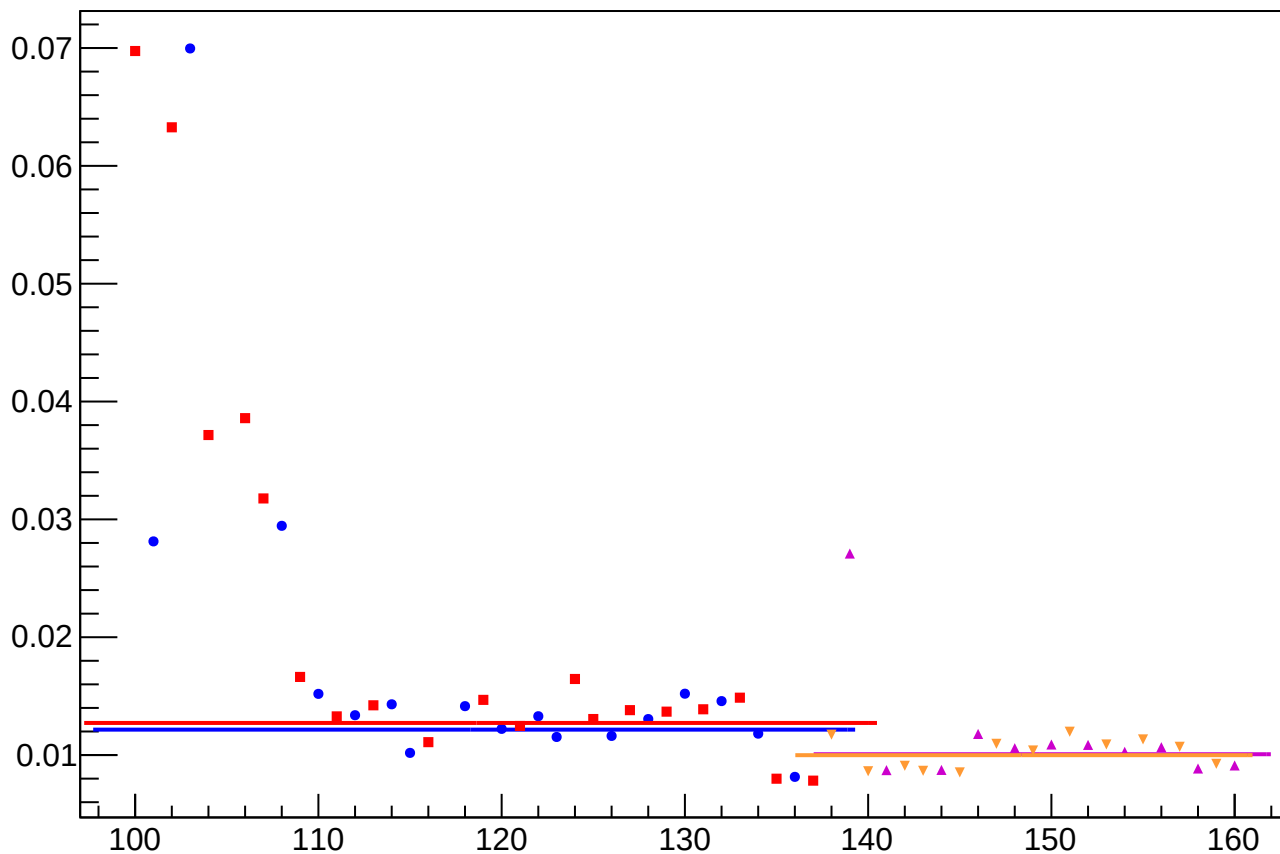
Left In: -0.433+/-0.000 χ^2/NDF : 19331717.4/10

-0.389+/-0.000 χ^2/NDF : 1495621891.0/28

-0.386+/-0.000 χ^2/NDF : 3136535765.3/50

-0.383+/-0.000 χ^2/NDF : 1638863432.3/29

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:210191.3/11

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

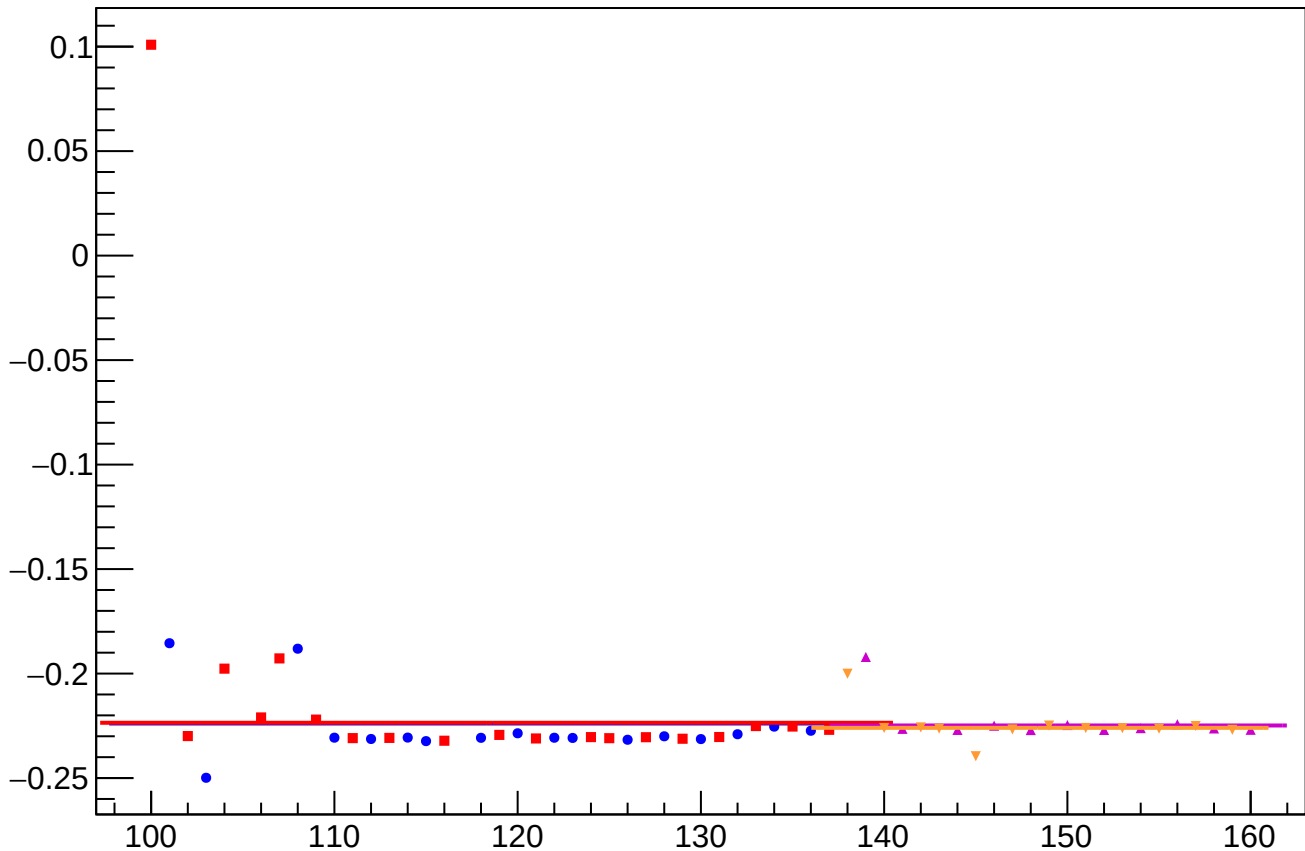
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:716531.3/10

0.011 $\pm$ 0.000 χ^2 /NDF: 2139425.4/28

0.011 $\pm$ 0.000 χ^2 /NDF: 5124974.3/58

0.011 $\pm$ 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 : 20563288.2/11

Right Out: -0.224 +/- 0.000 χ^2/NDF : 168124199.3/18

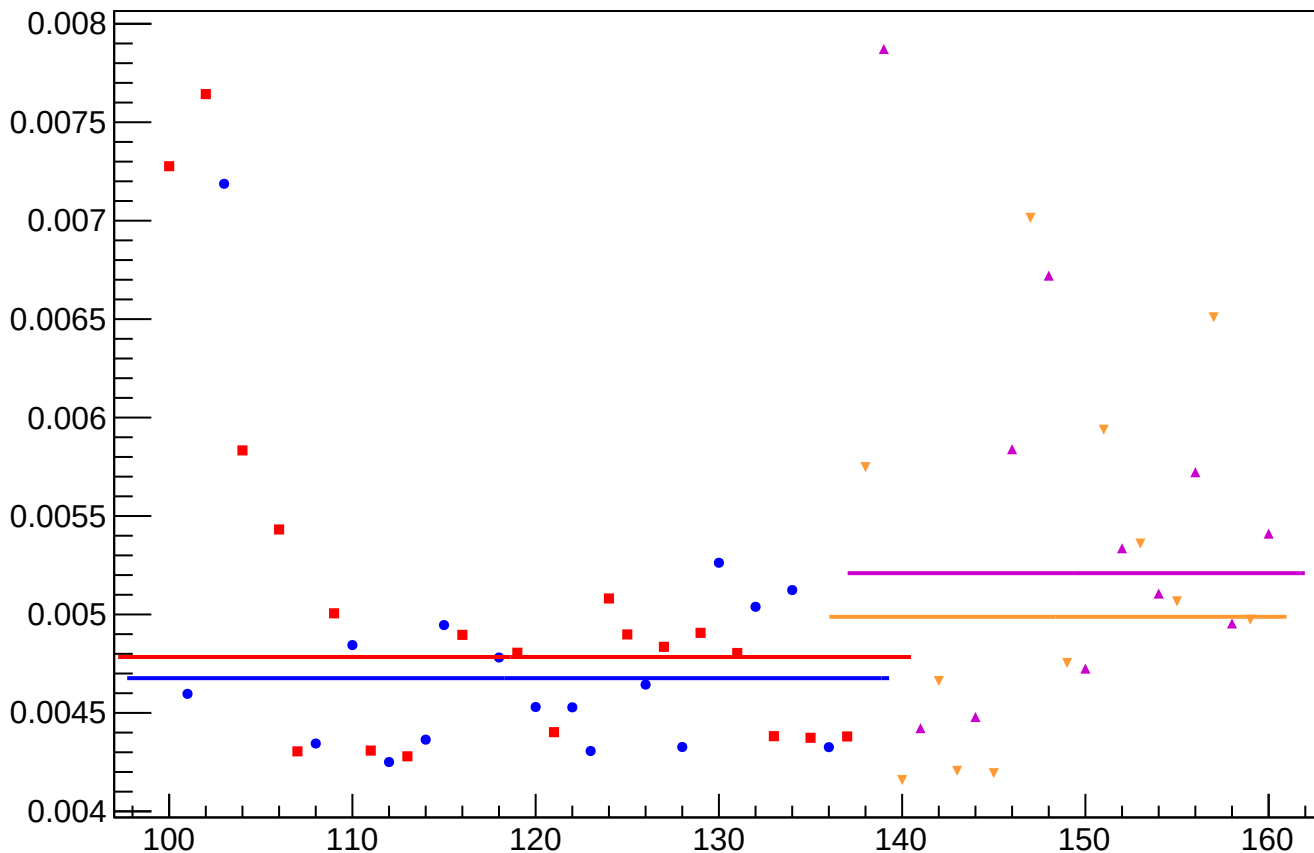
Left In: -0.225 +/- 0.000 χ^2/NDF : 12647408.2/10

-0.225 +/- 0.000 χ^2/NDF : 95811398.4/28

-0.225 +/- 0.000 χ^2/NDF : 277016316.8/58

-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 : 424101.4/11

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

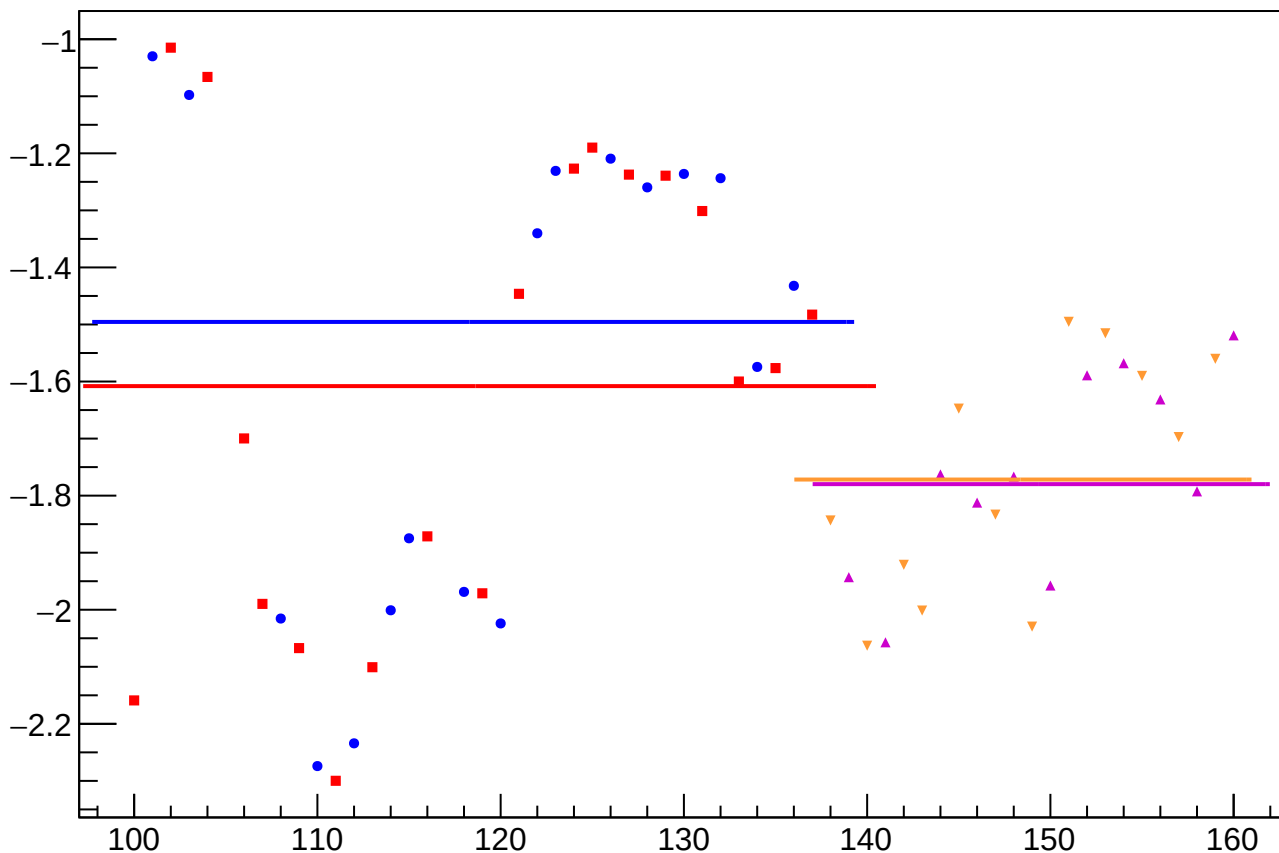
Left In: 0.005+/-0.000 χ^2/NDF : 379152.1/10

0.005+/-0.000 χ^2/NDF : 633802.2/28

0.005+/-0.000 χ^2/NDF : 1329483.2/58

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: -1.772+/-0.000 χ^2 /NDF: 9619469586.2/11

Right Out: -1.608+/-0.000 χ^2 /NDF: 27852841950.3/18

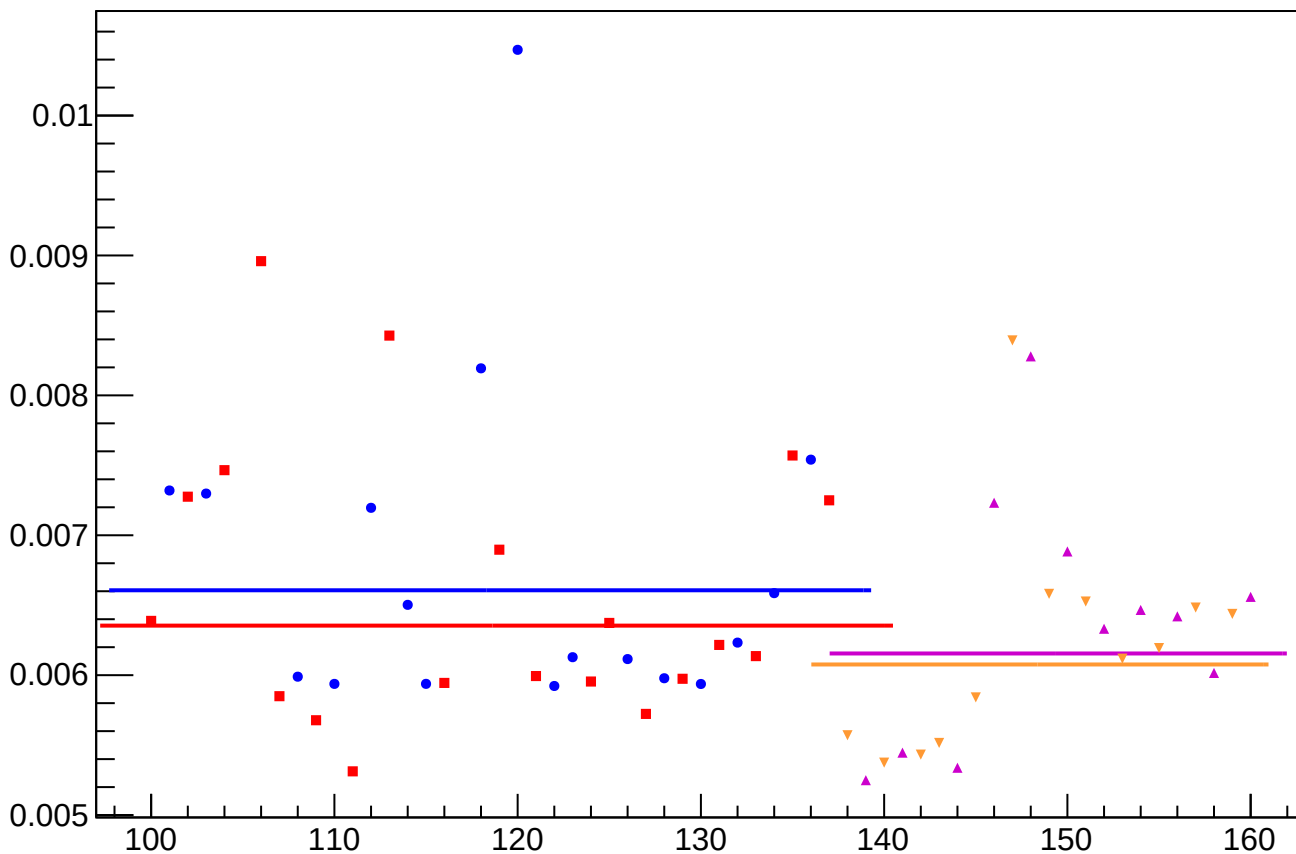
Left In: -1.780+/-0.000 χ^2 /NDF: 6518777647.2/10

-1.667+/-0.000 χ^2 /NDF: 38699798951.9/28

-1.687+/-0.000 χ^2 /NDF: 76120249691.0/28

-1.706+/-0.000 χ^2 /NDF: 37128976413.0/29

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 198735.3/11

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227287.9/18

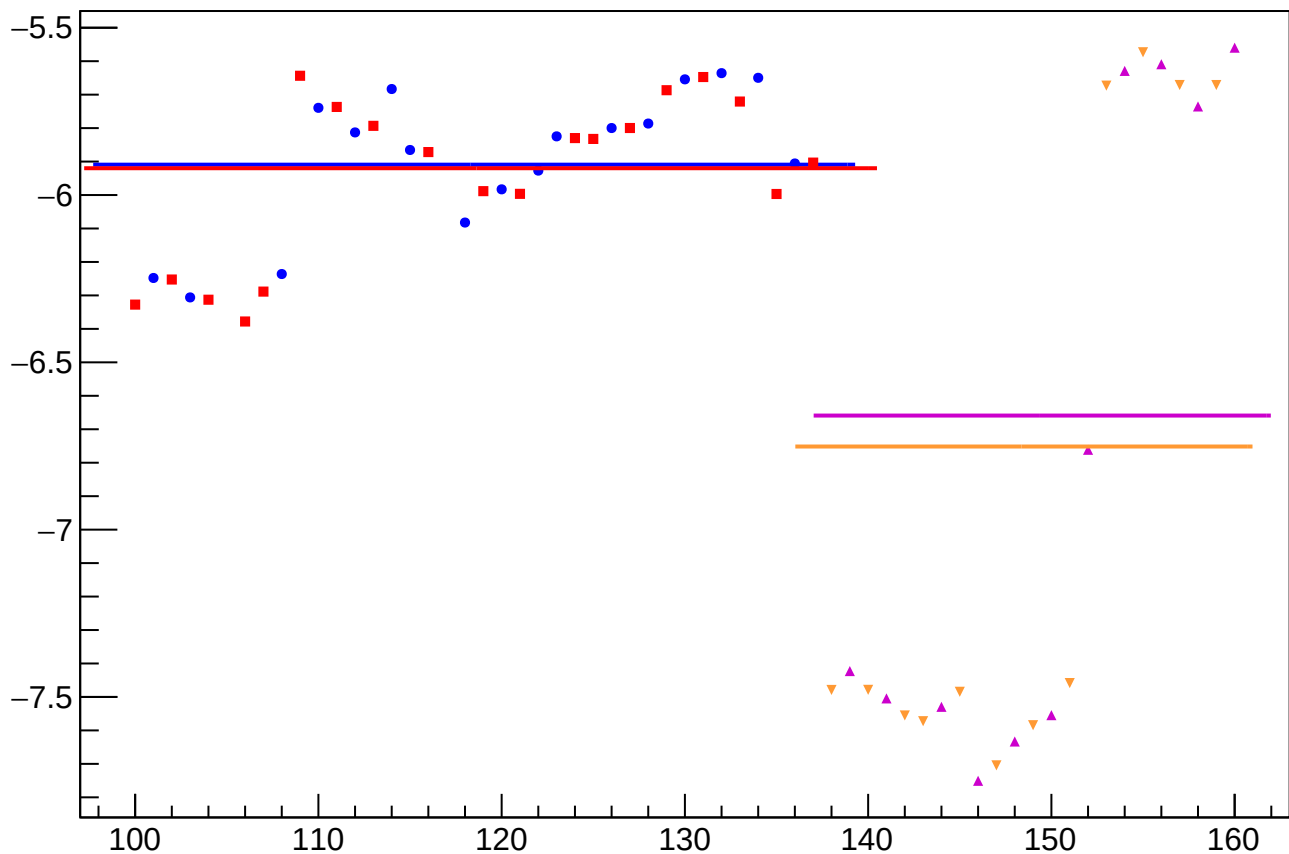
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 265320.8/10

0.006 $\pm$ 0.000 χ^2/NDF : 448508.3/28

0.006 $\pm$ 0.000 χ^2/NDF : 949050.8/58

0.006 $\pm$ 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: -6.752+/-0.000 χ^2/NDF : 101000655767.6/11

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

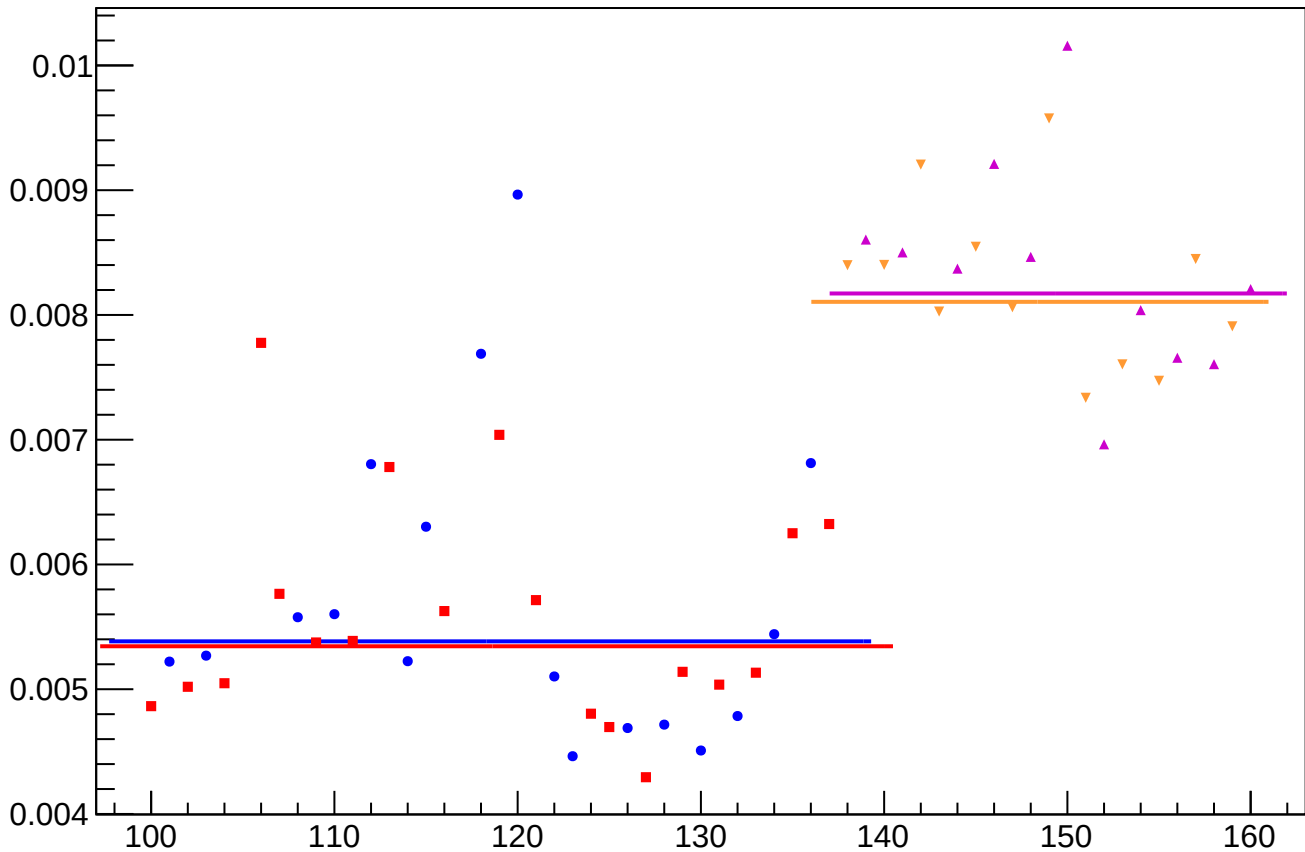
Left In: -6.659+/-0.000 χ^2/NDF : 94597636570.9/10

-6.216+/-0.000 χ^2/NDF : 164347329949.7/28

-6.194+/-0.000 χ^2/NDF : 313898029912.6

-6.174+/-0.000 χ^2/NDF : 149264151478.9/29

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 83247.2/11

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

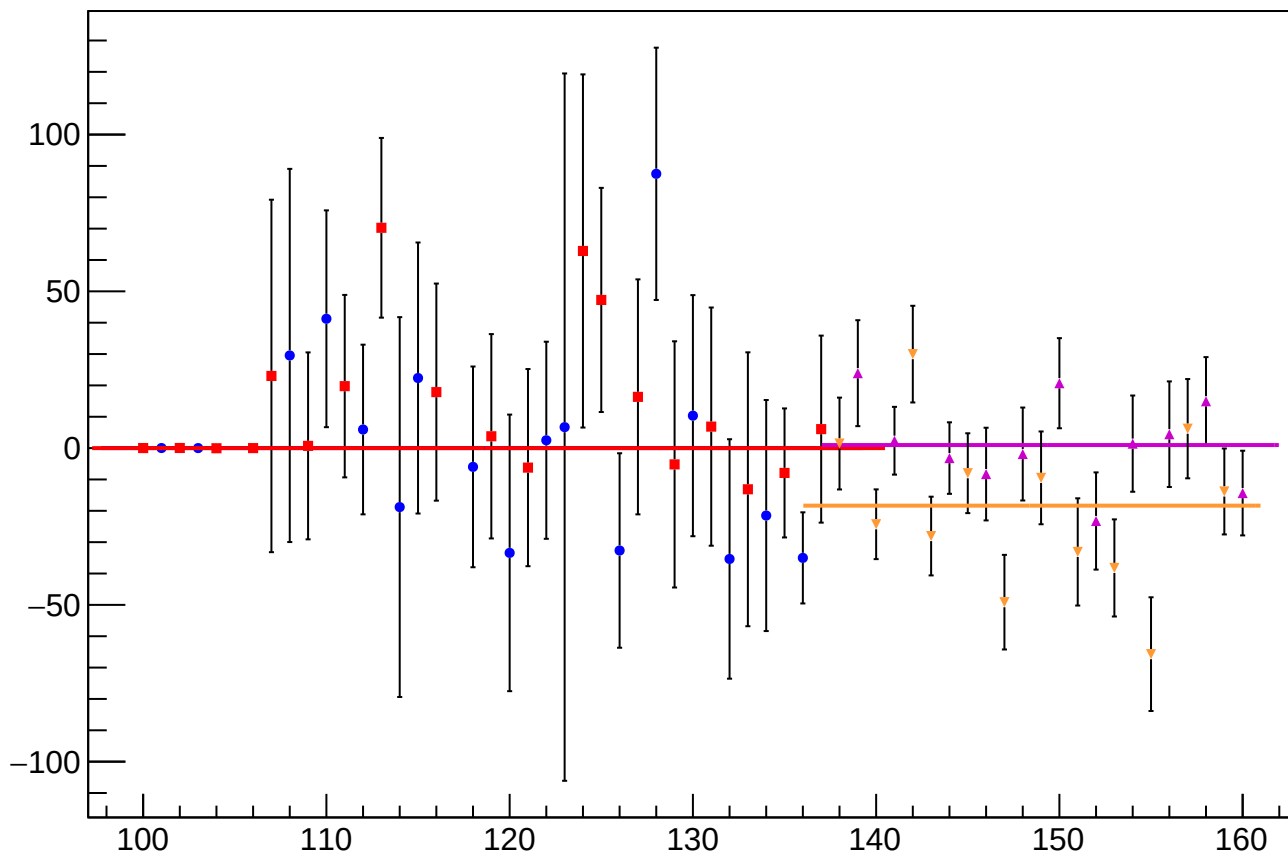
Left In: 0.008+/-0.000 χ^2/NDF : 139497.1/10

0.006+/-0.000 χ^2/NDF : 1521083.2/28

0.006+/-0.000 χ^2/NDF : 3132304.1/58

0.006+/-0.000 χ^2/NDF : 1610132.0/29

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -18.352 ± 4.139 χ^2/NDF : 29.4/11

Right Out: -0.003 ± 0.016 χ^2/NDF : 15.3/18

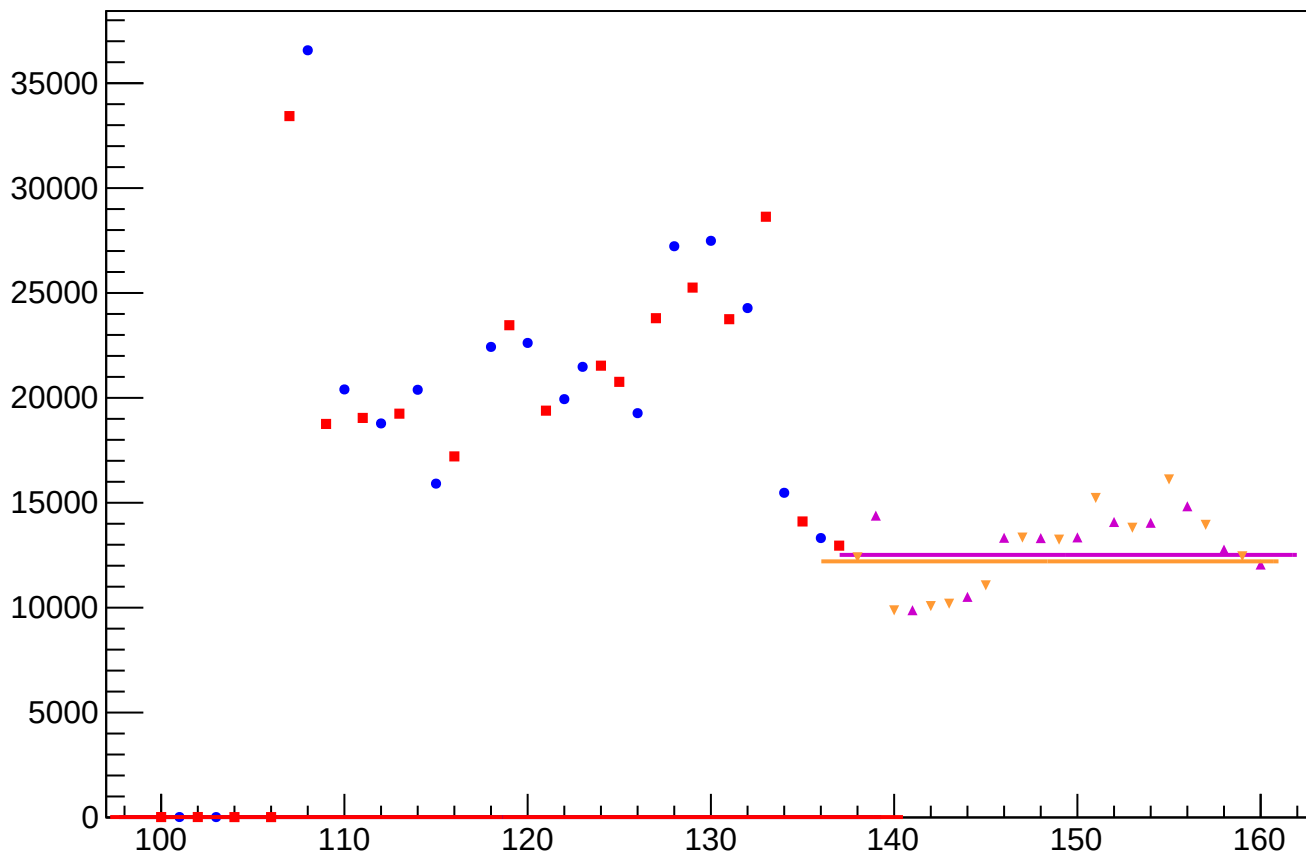
Left In: 0.976 ± 4.219 χ^2/NDF : 9.1/10

0.013 ± 0.017 χ^2/NDF : 64.9/28

0.004 ± 0.012 χ^2/NDF : 89.8/58

-0.003 ± 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: 12207.208 $\pm$ 2.927 χ^2/NDF : 417104.4/11

Right Out: 18.311 $\pm$ 0.011 χ^2/NDF : 11103320.8/18

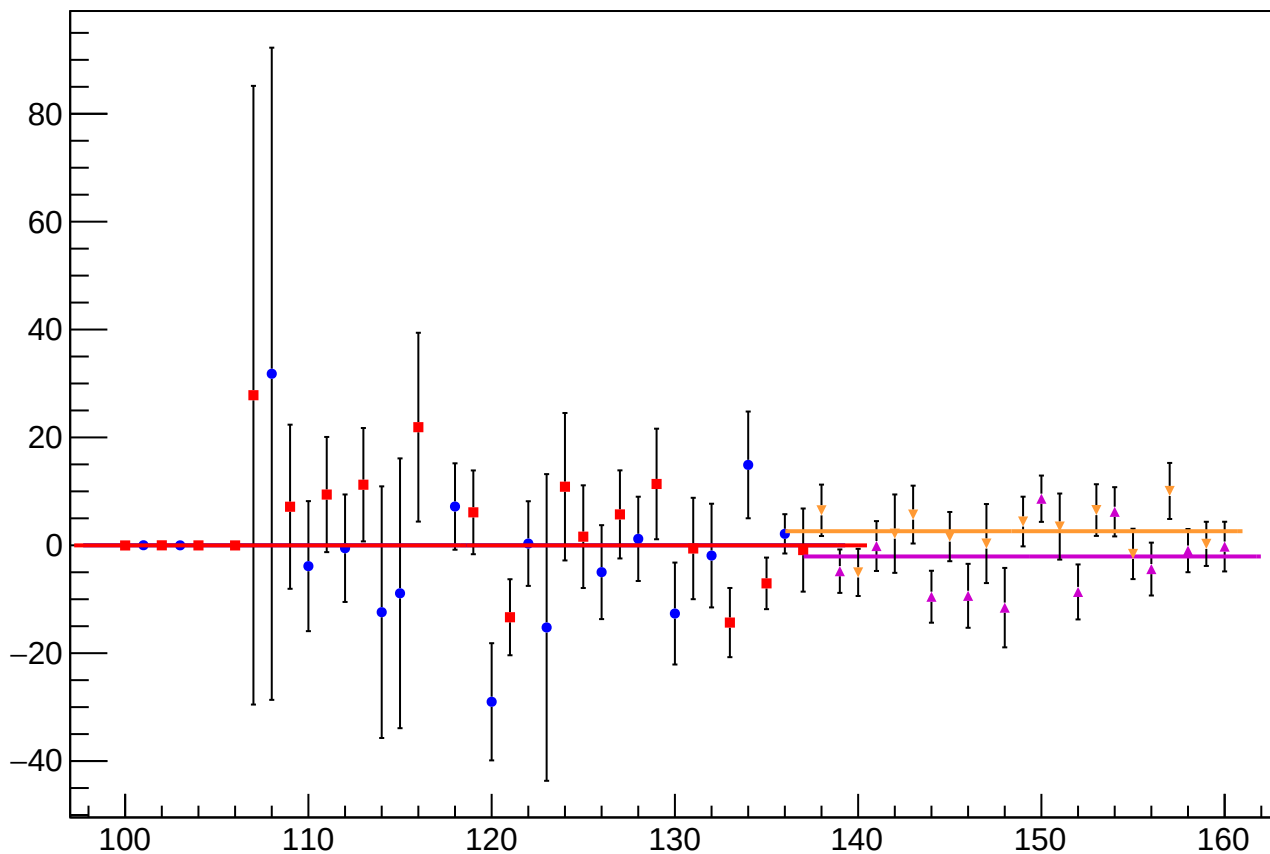
Left In: 12515.665 $\pm$ 2.983 χ^2/NDF : 305040.5/10

18.855 $\pm$ 0.012 χ^2/NDF : 28599176.5/28

18.660 $\pm$ 0.008 χ^2/NDF : 57559338.6/58

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: 2.613 ± 1.448 χ^2/NDF : 8.2/11

Right Out: -0.014 ± 0.009 χ^2/NDF : 18.4/18

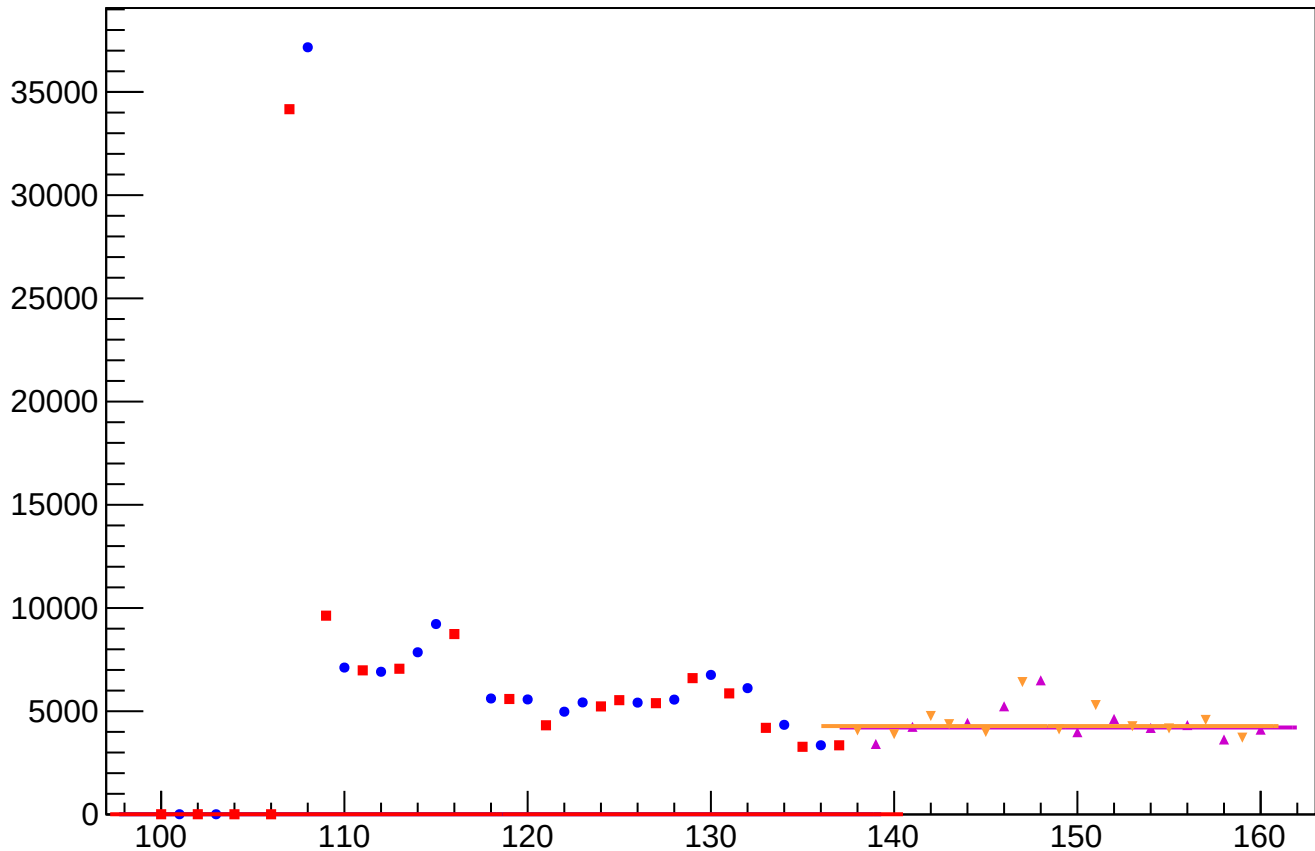
Left In: -2.069 ± 1.428 χ^2/NDF : 17.9/10

0.001 ± 0.009 χ^2/NDF : 26.4/28

-0.007 ± 0.006 χ^2/NDF : 66.2/58

-0.014 ± 0.009 χ^2/NDF : 38.3/29

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4281.110+/-1.024 χ^2/NDF : 309698.1/11

Right Out: 9.854+/-0.006 χ^2/NDF : 11152667.7/18

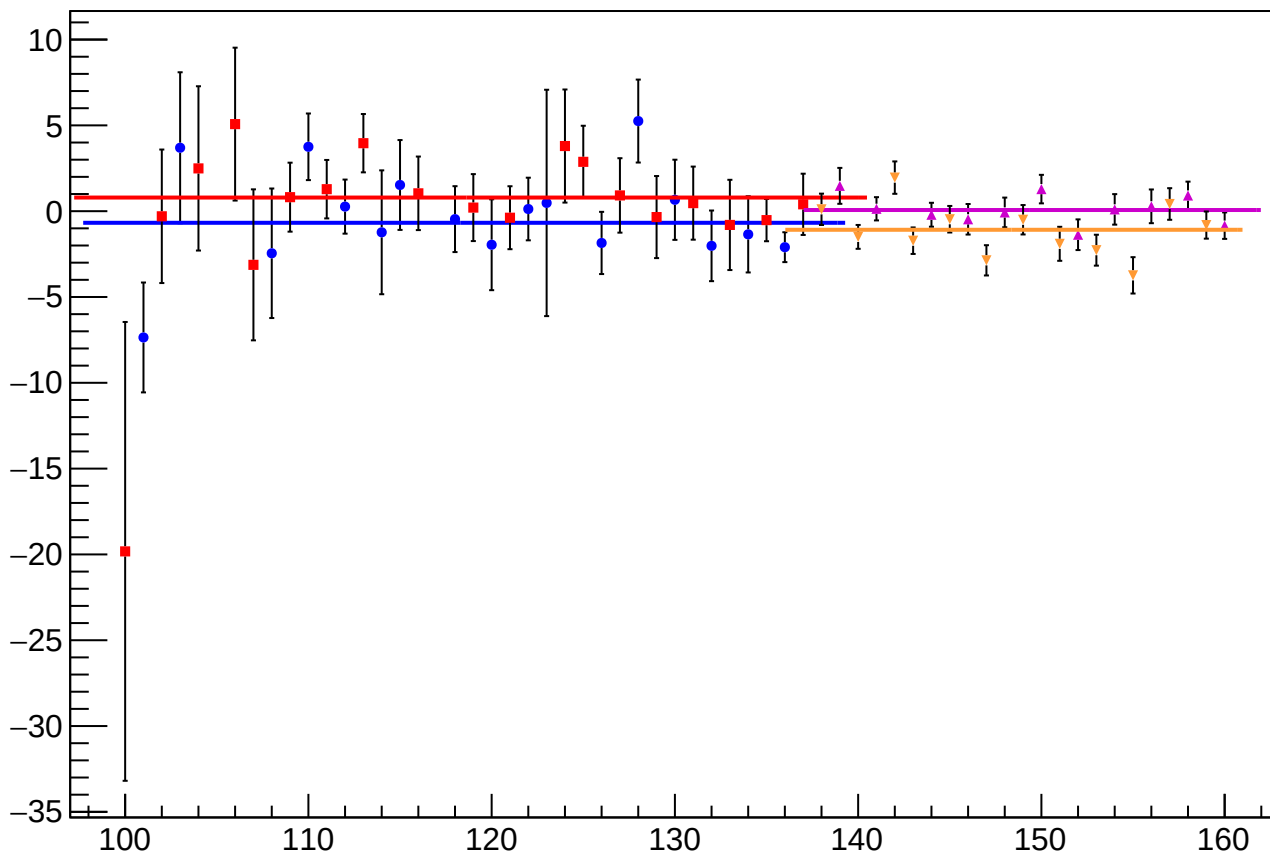
Left In: 4212.542+/-1.010 χ^2/NDF : 398768.2/10

10.110+/-0.007 χ^2/NDF : 28673948.9/28

10.056+/-0.004 χ^2/NDF : 57549338.5/58

10.008+/-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: -1.084 ± 0.248 χ^2/NDF : 29.8/11

Right Out: 0.795 ± 0.501 χ^2/NDF : 12.0/18

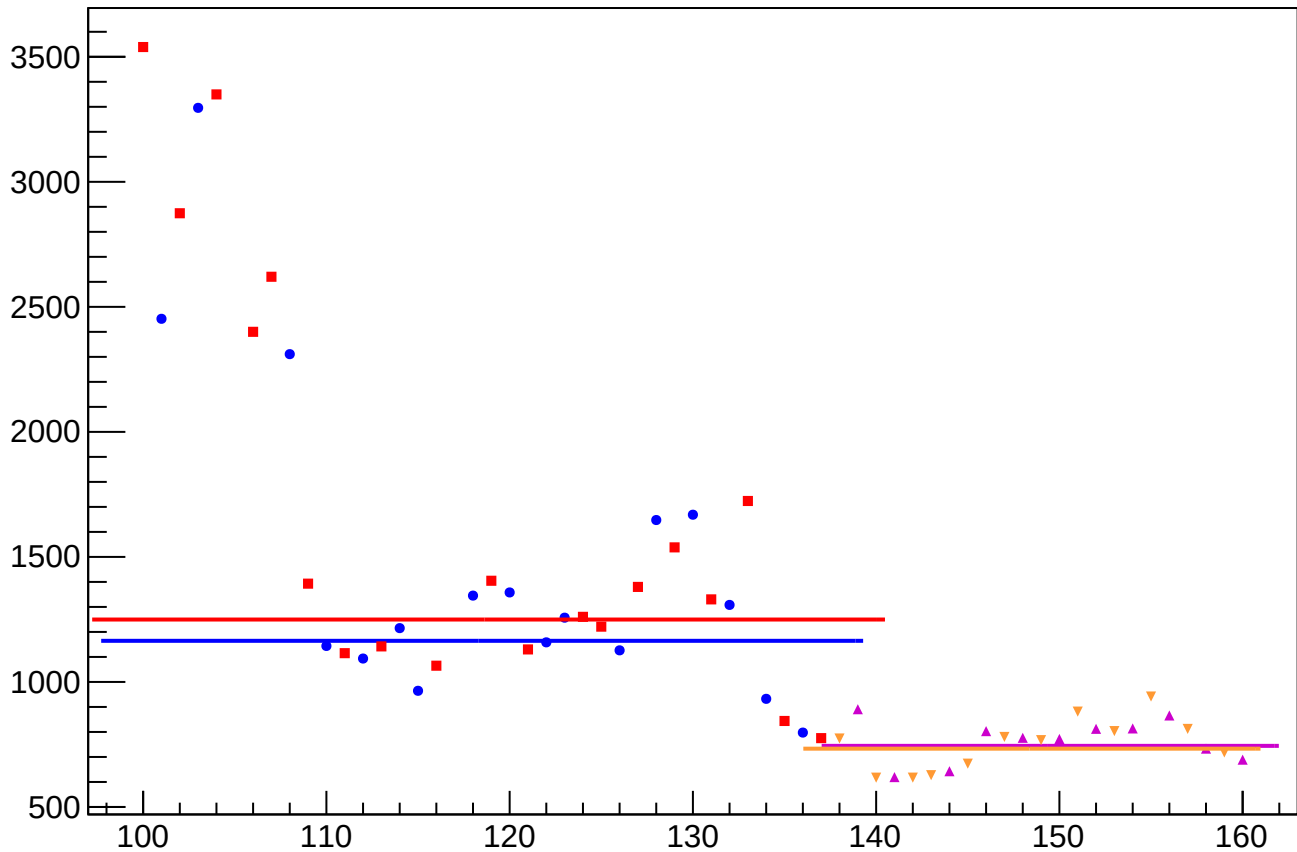
Left In: 0.068 ± 0.250 χ^2/NDF : 9.7/10

-0.999 ± 0.220 χ^2/NDF : 52.6/28

-0.403 ± 0.157 χ^2/NDF : 90.8/58

0.213 ± 0.224 χ^2/NDF : 23.3/29

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 733.160 $\pm$ 0.175 χ^2 /NDF: 298102.4/11

Right Out: 1249.596 $\pm$ 0.354 χ^2 /NDF: 1650133.1/18

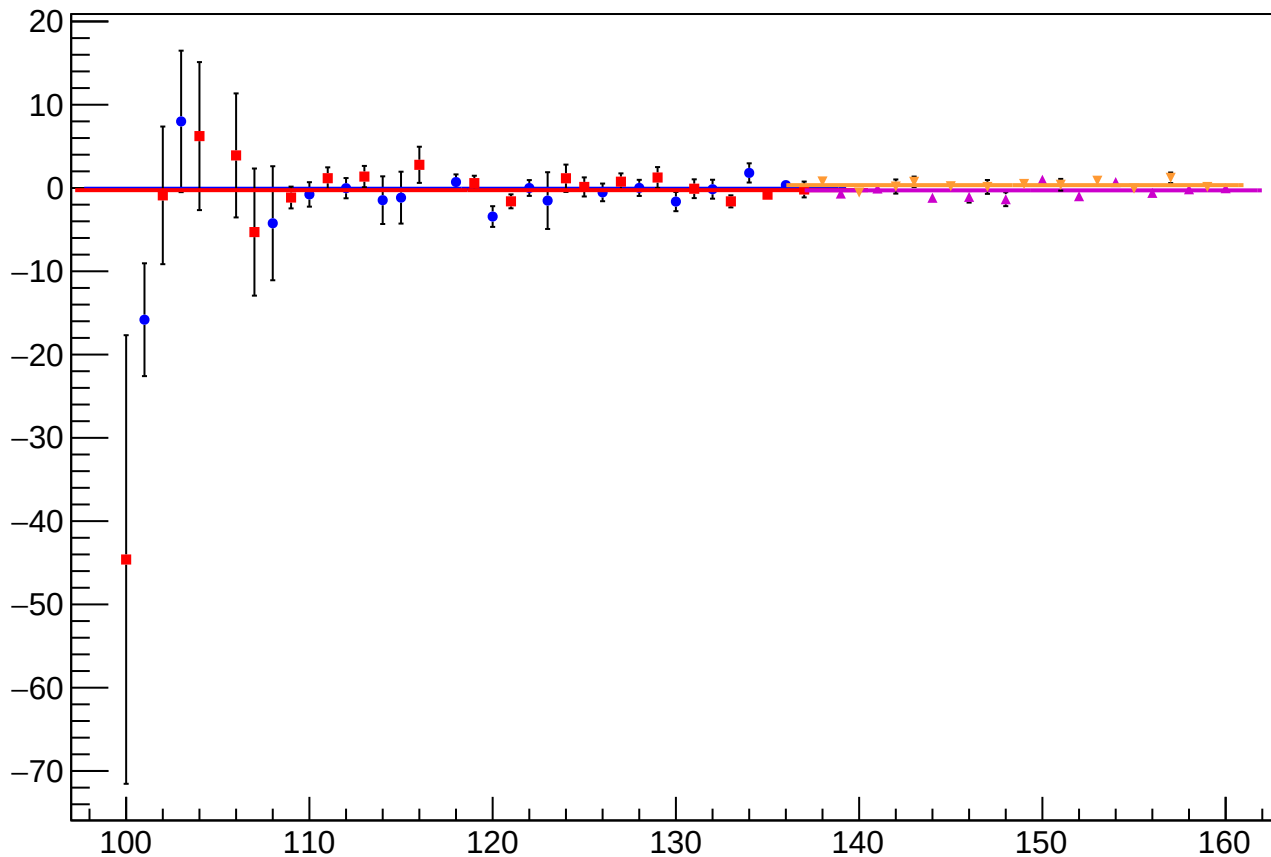
Left In: 744.403 $\pm$ 0.177 χ^2 /NDF: 228526.6/10

822.594 $\pm$ 0.156 χ^2 /NDF: 3140444.8/28

833.722 $\pm$ 0.111 χ^2 /NDF: 6655422.1/58

845.202 $\pm$ 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: 0.344 ± 0.173 χ^2/NDF : 7.7/11

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

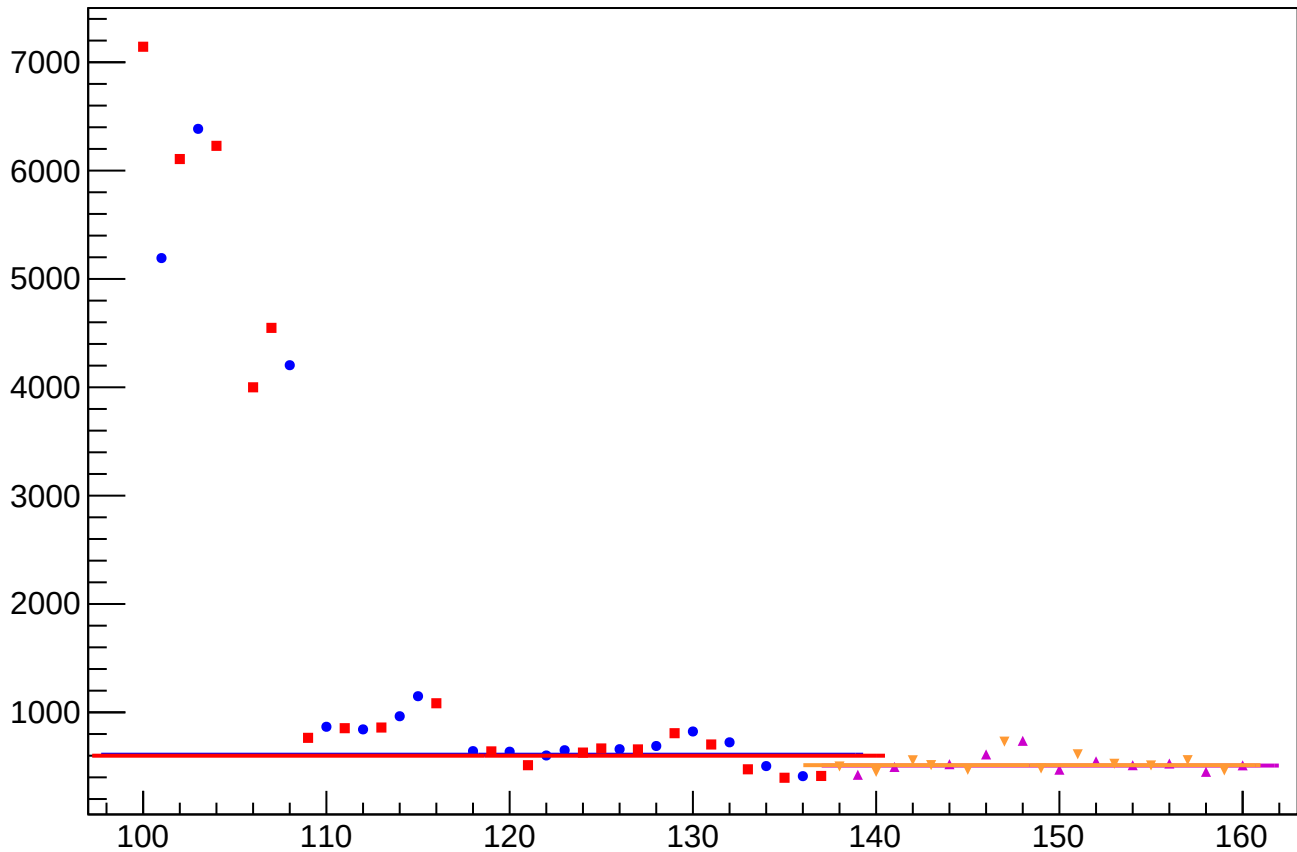
Left In: -0.282 ± 0.172 χ^2/NDF : 17.5/10

0.219 ± 0.146 χ^2/NDF : 30.6/28

-0.031 ± 0.102 χ^2/NDF : 74.3/58

-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: 512.517 ± 0.122 χ^2/NDF : 261951.4/11

Right Out: 599.910 ± 0.187 χ^2/NDF : 3547599.8/18

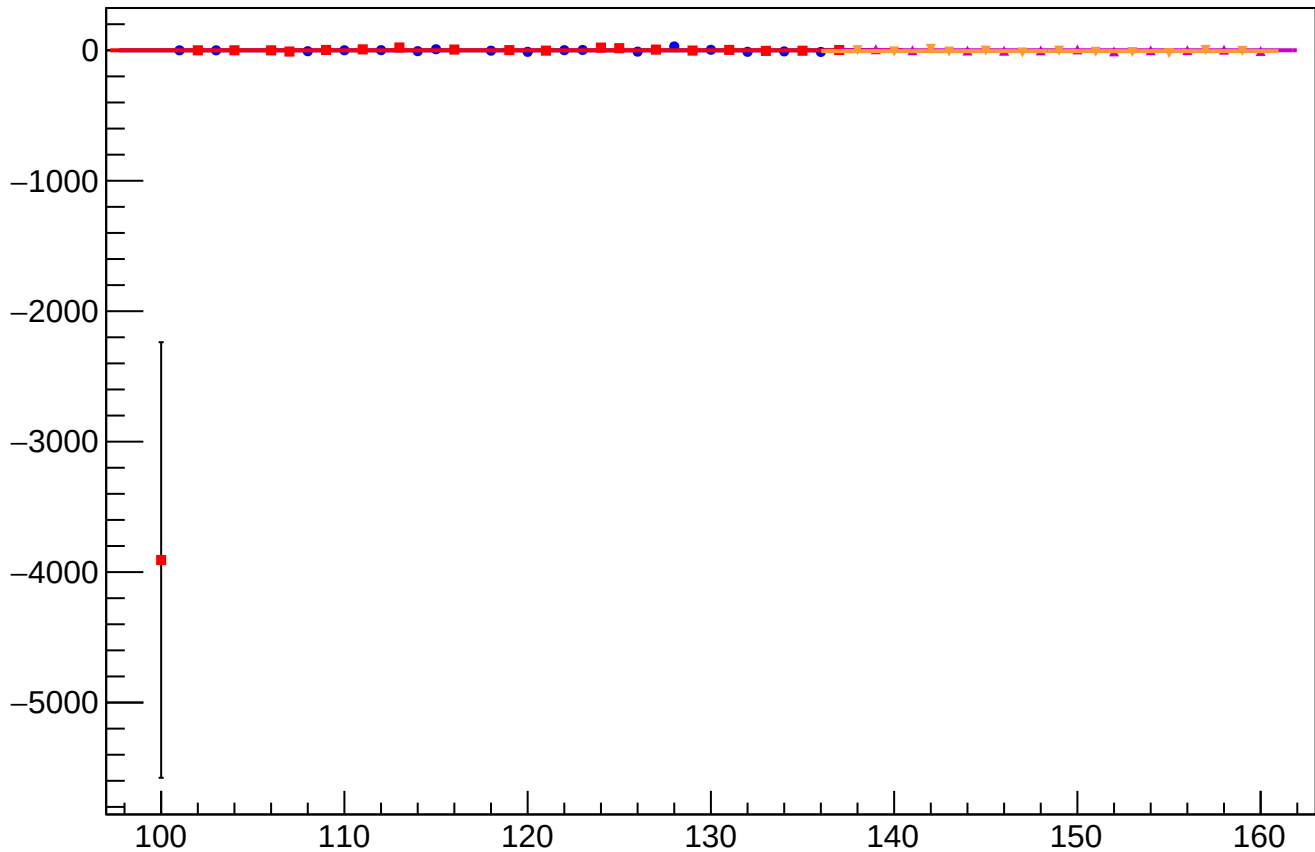
Left In: 508.792 ± 0.122 χ^2/NDF : 303147.8/10

540.590 ± 0.103 χ^2/NDF : 3582131.0/28

538.208 ± 0.072 χ^2/NDF : 7600938.4/58

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: -6.257 ± 1.439 χ^2/NDF : 29.8/11

Right Out: 0.027 ± 0.020 χ^2/NDF : 17.3/18

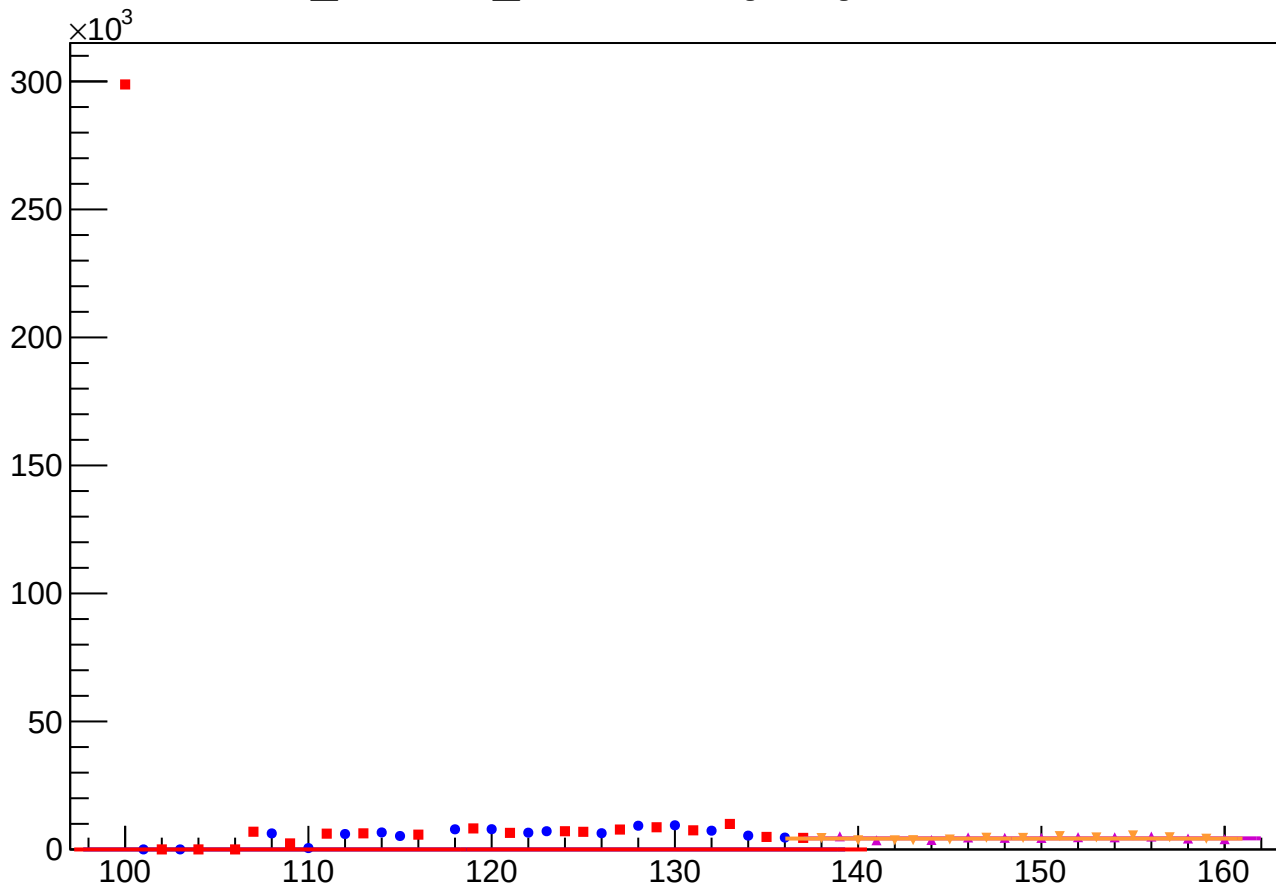
Left In: 0.358 ± 1.458 χ^2/NDF : 9.6/10

-0.023 ± 0.021 χ^2/NDF : 63.8/28

0.003 ± 0.014 χ^2/NDF : 93.7/58

0.027 ± 0.020 χ^2/NDF : 26.9/29

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 ± 0.015 χ^2/NDF : 10359409.4/16

Left Out: 4258.222 ± 1.018 χ^2/NDF : 321176.0/11

Right Out: 17.268 ± 0.014 χ^2/NDF : 10813350.8/18

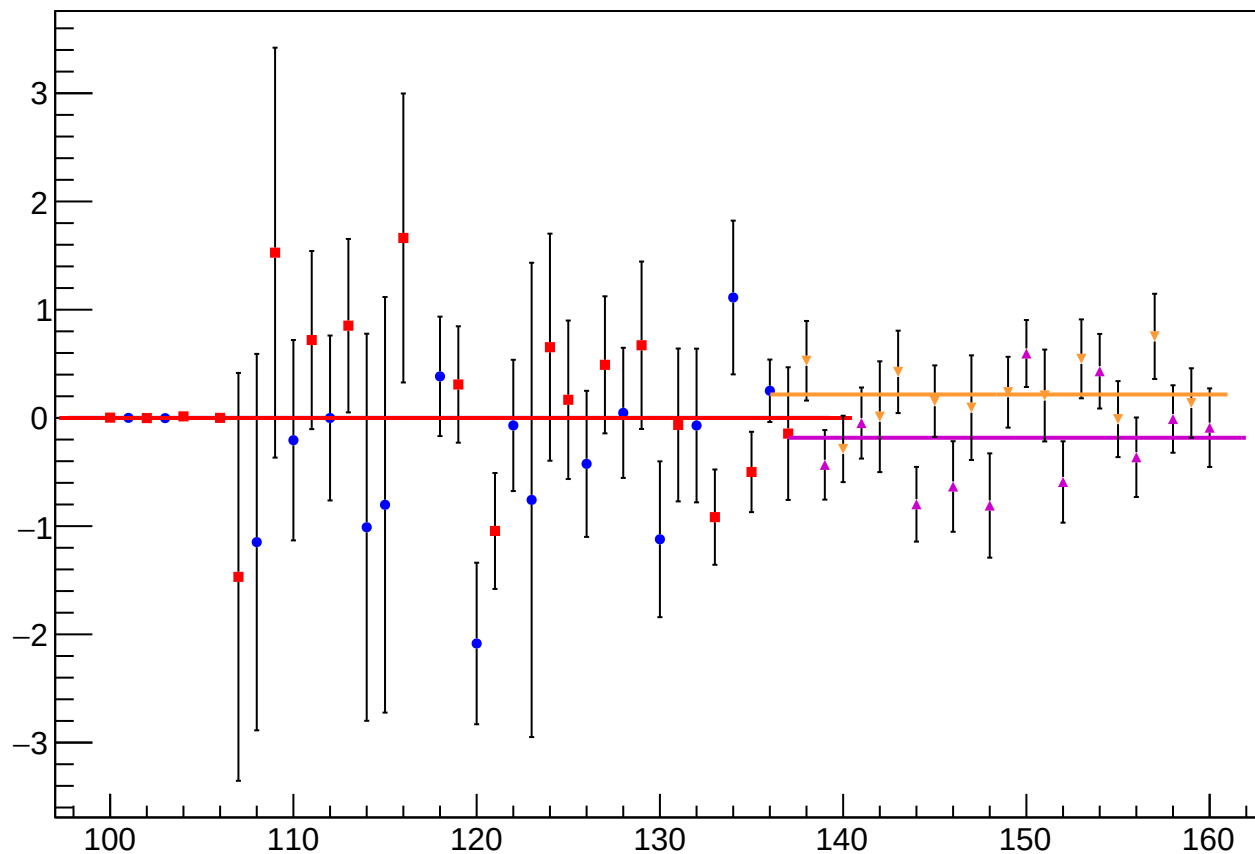
Left In: 4335.271 ± 1.031 χ^2/NDF : 240182.4/10

18.222 ± 0.015 χ^2/NDF : 28040473.3/28

18.138 ± 0.010 χ^2/NDF : 56631686.7/58

18.062 ± 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: 0.217 $\pm$ 0.106 χ^2/NDF : 7.1/11

Right Out: -0.001 $\pm$ 0.002 χ^2/NDF : 17.8/18

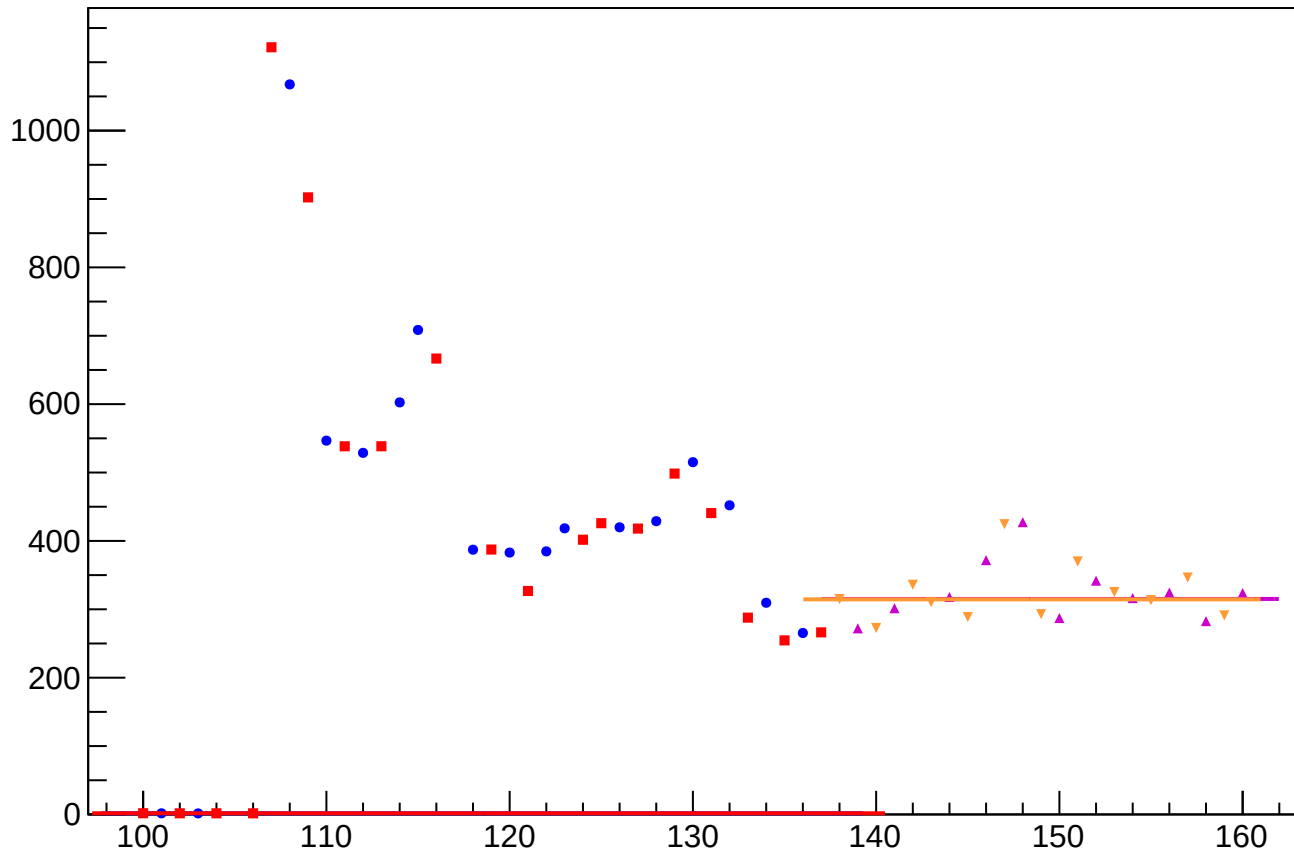
Left In: -0.183 $\pm$ 0.106 χ^2/NDF : 18.1/10

0.000 $\pm$ 0.002 χ^2/NDF : 26.9/28

-0.000 $\pm$ 0.001 χ^2/NDF : 66.0/58

-0.001 $\pm$ 0.002 χ^2/NDF : 38.9/29

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 314.540+/-0.075 χ^2/NDF : 225044.1/11

Right Out: 1.728+/-0.001 χ^2/NDF : 10736674.8/18

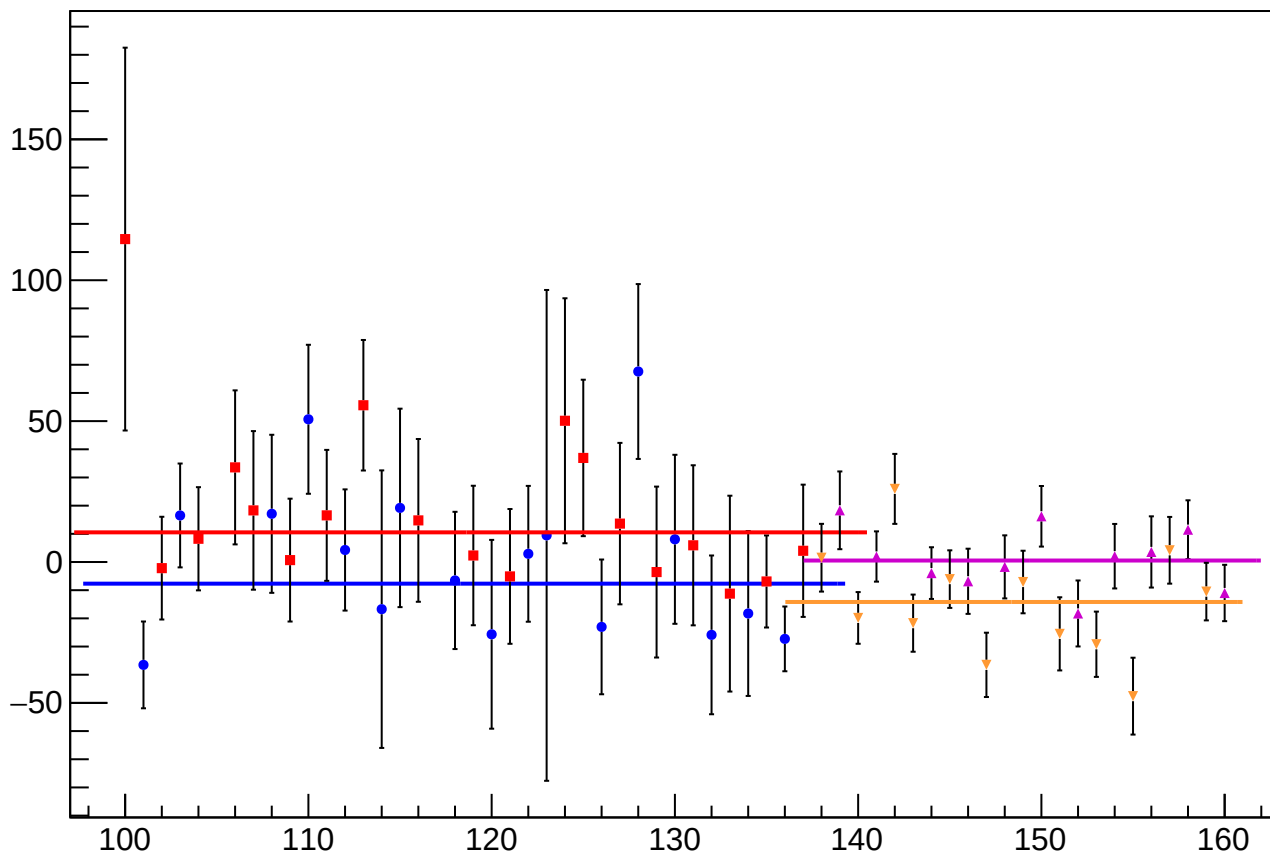
Left In: 315.145+/-0.075 χ^2/NDF : 235193.6/10

1.812+/-0.001 χ^2/NDF : 28532672.4/28

1.823+/-0.001 χ^2/NDF : 56907483.9/58

1.833+/-0.001 χ^2/NDF : 28374707.5/29

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 $\pm$ 5.627 χ^2/NDF : 22.4/16

Left Out: -14.183 $\pm$ 3.230 χ^2/NDF : 28.9/11

Right Out: 10.524 $\pm$ 5.682 χ^2/NDF : 11.9/18

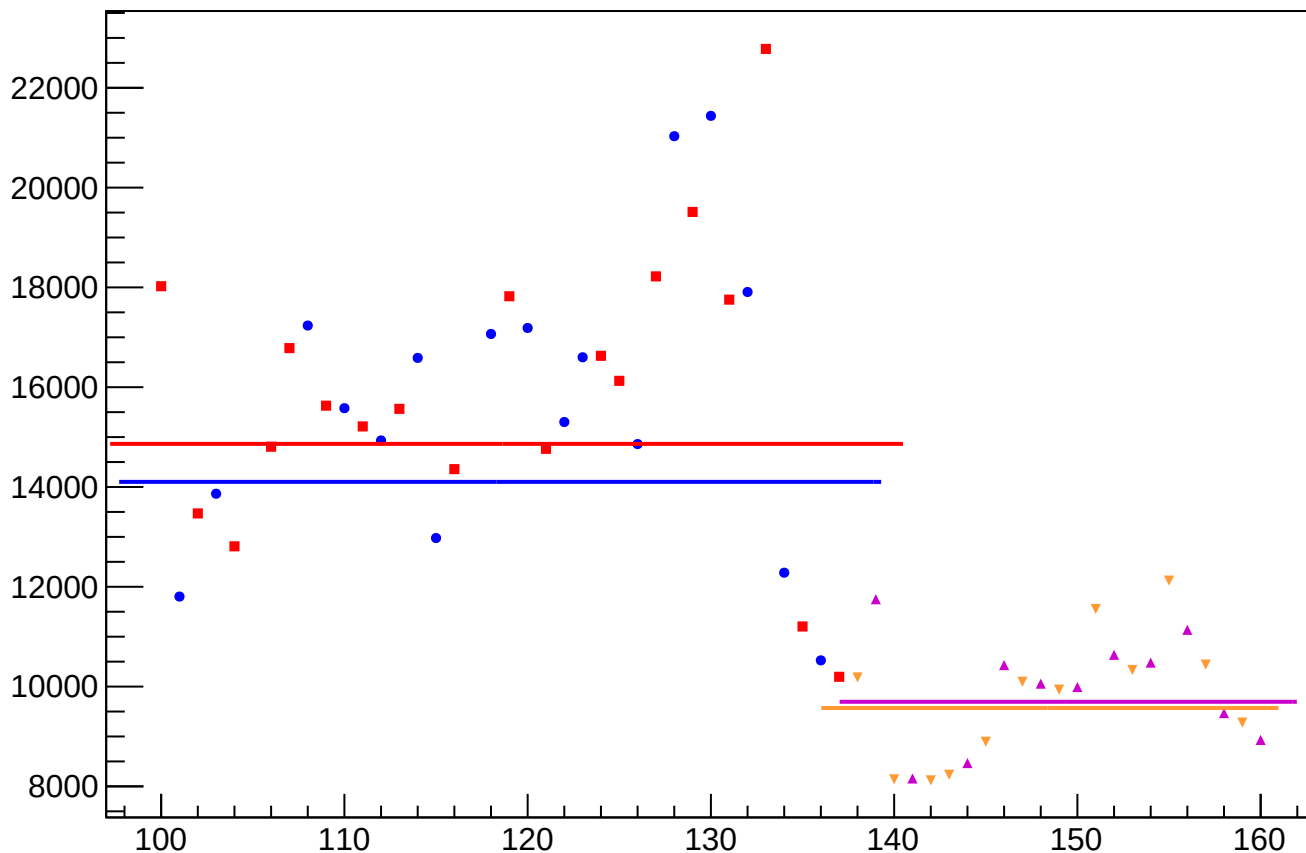
Left In: 0.528 $\pm$ 3.258 χ^2/NDF : 9.6/10

-12.572 $\pm$ 2.801 χ^2/NDF : 52.3/28

-4.856 $\pm$ 1.990 χ^2/NDF : 91.4/58

3.002 $\pm$ 2.827 χ^2/NDF : 23.8/29

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9570.274 $\pm$ 2.284 χ^2 /NDF: 268842.9/11

Right Out: 14864.163 $\pm$ 4.018 χ^2 /NDF: 470280.3/18

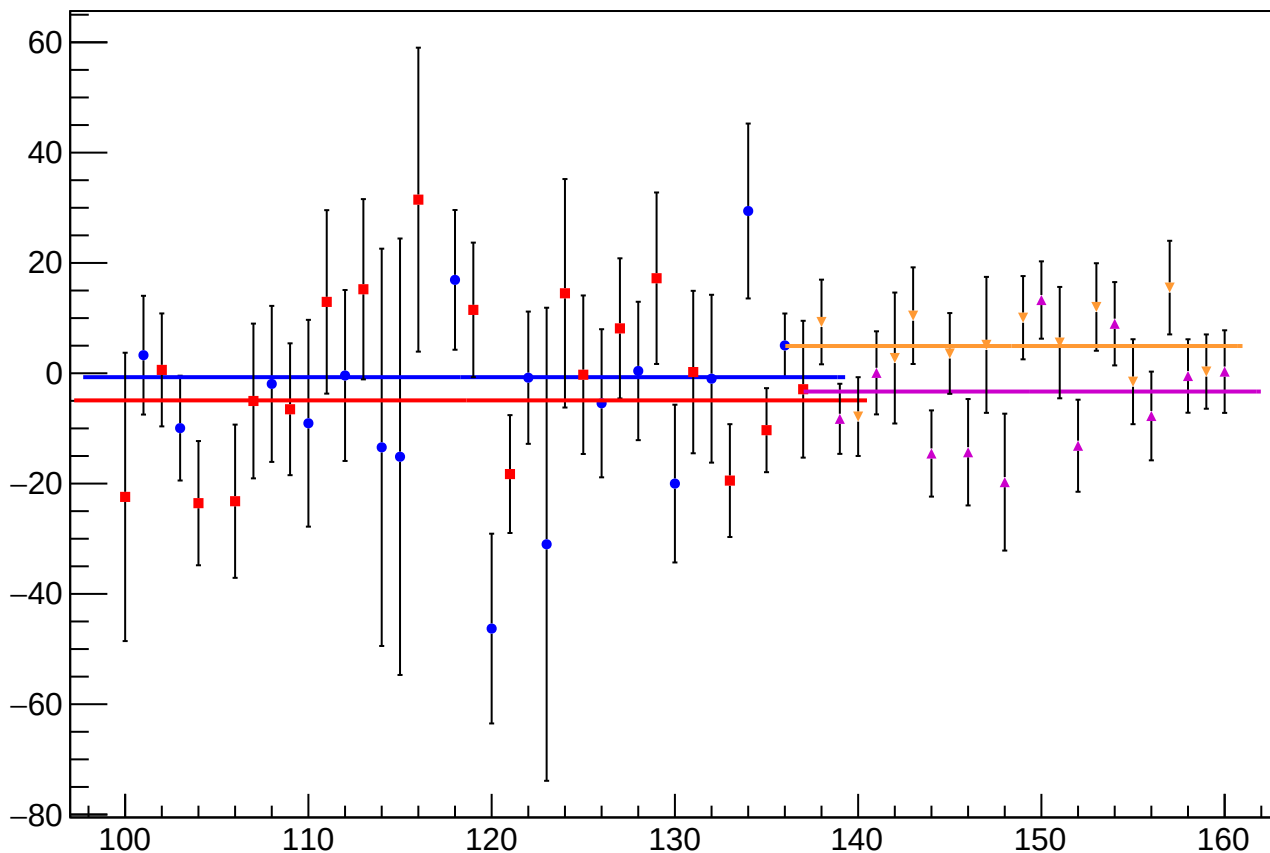
Left In: 9695.435 $\pm$ 2.304 χ^2 /NDF: 212316.8/10

10693.295 $\pm$ 1.981 χ^2 /NDF: 1843695.4/28

10832.602 $\pm$ 1.407 χ^2 /NDF: 3781623.5/5

10974.457 $\pm$ 1.999 χ^2 /NDF: 1927944.3/29

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 4.939 ± 2.370 χ^2/NDF : 8.0/11

Right Out: -4.918 ± 2.940 χ^2/NDF : 19.8/18

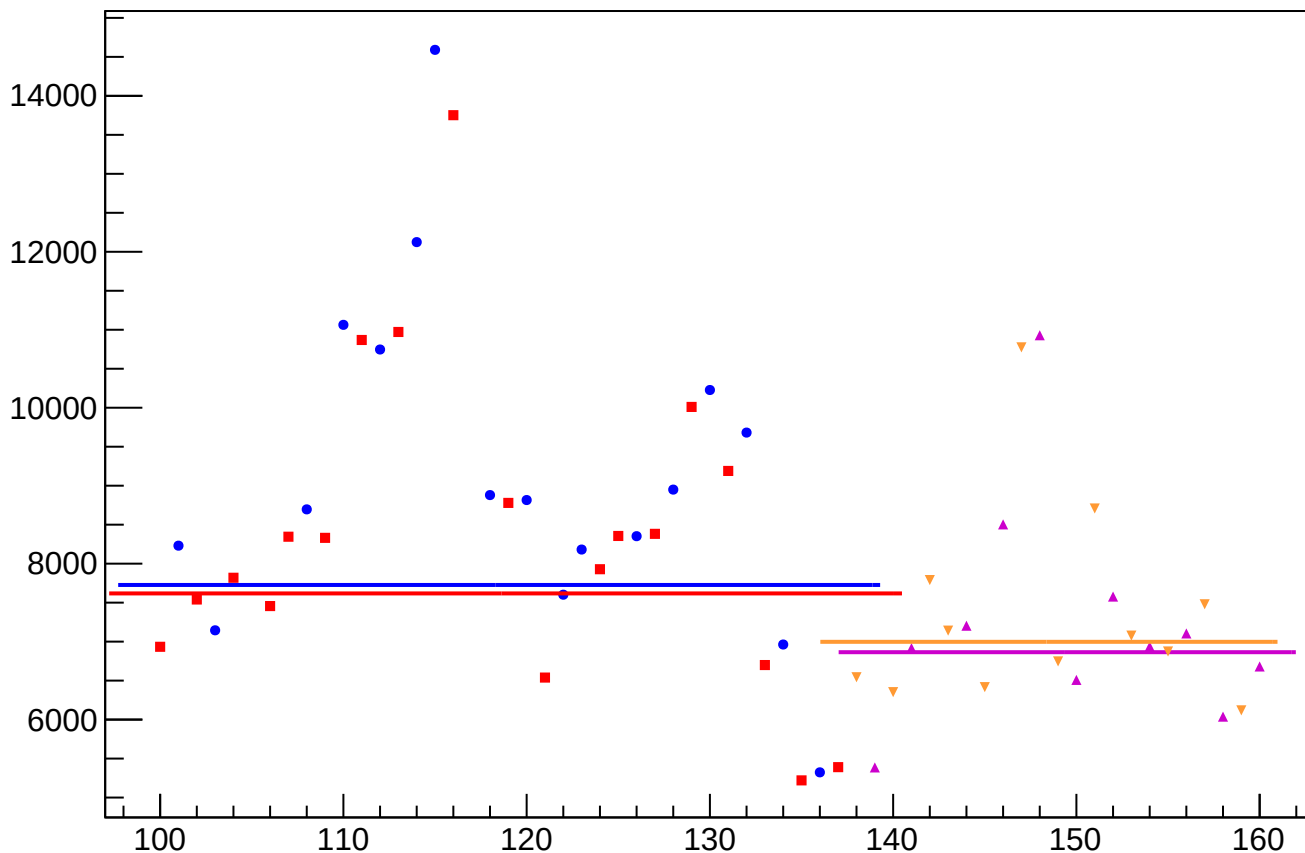
Left In: -3.315 ± 2.331 χ^2/NDF : 16.3/10

2.842 ± 1.879 χ^2/NDF : 27.7/28

-0.643 ± 1.310 χ^2/NDF : 70.6/58

-3.934 ± 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: 6997.465 $\pm$ 1.676 χ^2 /NDF:334066.1/11

Right Out: 7618.206 $\pm$ 2.079 χ^2 /NDF: 675125.4/18

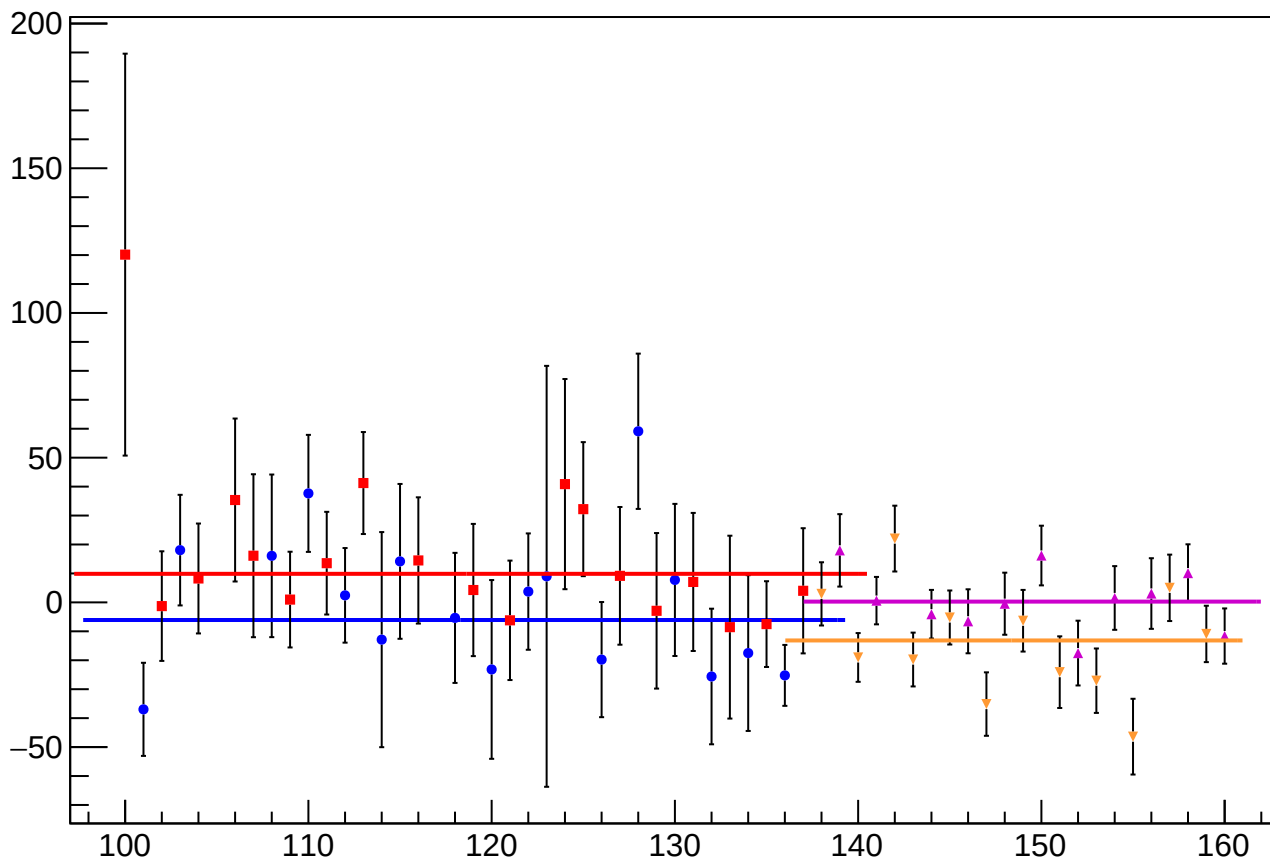
Left In: 6864.353 $\pm$ 1.648 χ^2 /NDF:438189.6/10

7268.330 $\pm$ 1.329 χ^2 /NDF: 1146901.0/28

7210.216 $\pm$ 0.926 χ^2 /NDF: 2344700.2/58

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: -13.157 ± 3.029 χ^2/NDF : 29.2/11

Right Out: 9.864 ± 5.004 χ^2/NDF : 11.6/18

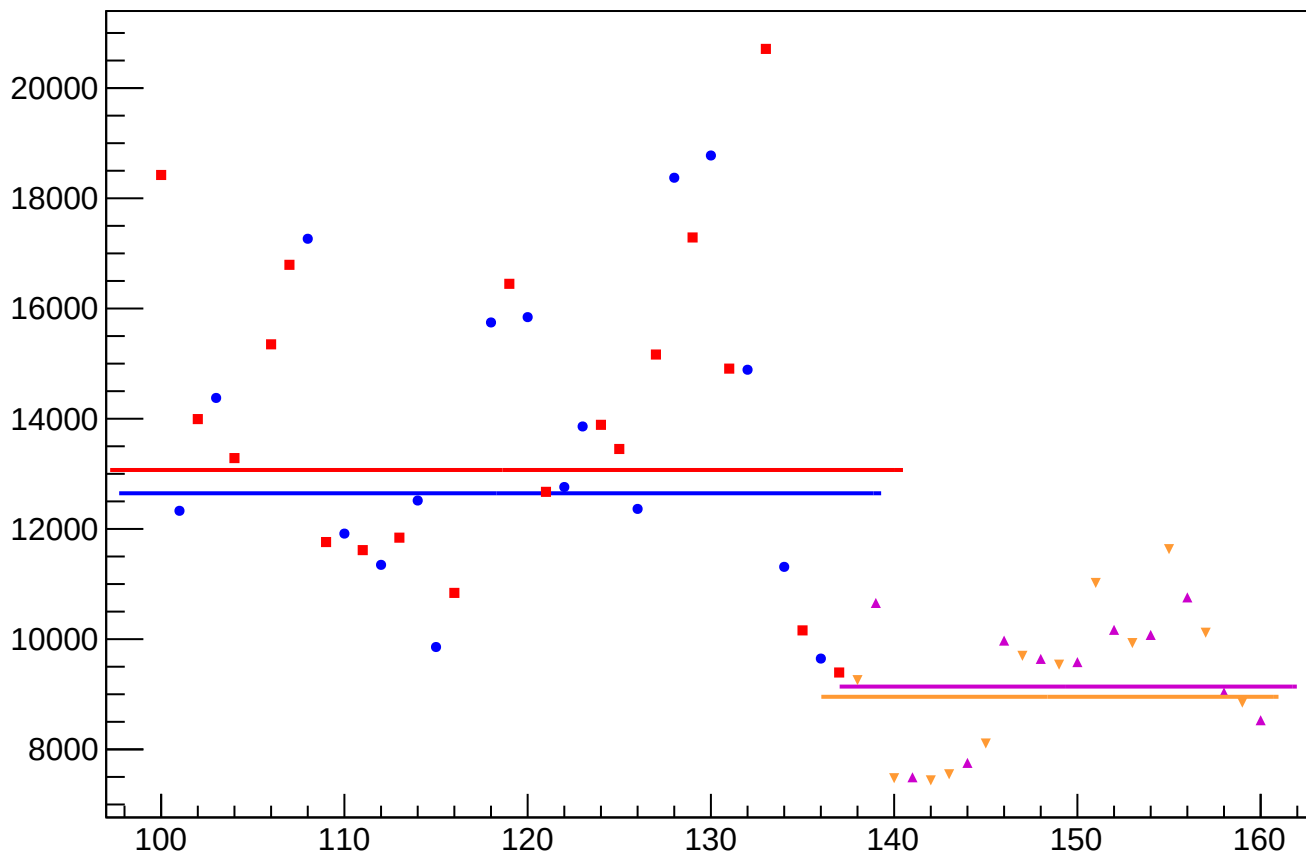
Left In: 0.265 ± 3.075 χ^2/NDF : 10.2/10

-11.278 ± 2.596 χ^2/NDF : 53.6/28

-4.257 ± 1.844 χ^2/NDF : 92.8/58

2.897 ± 2.620 χ^2/NDF : 24.5/29

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8954.236+/-2.142 χ^2/NDF : 351702.5/11

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

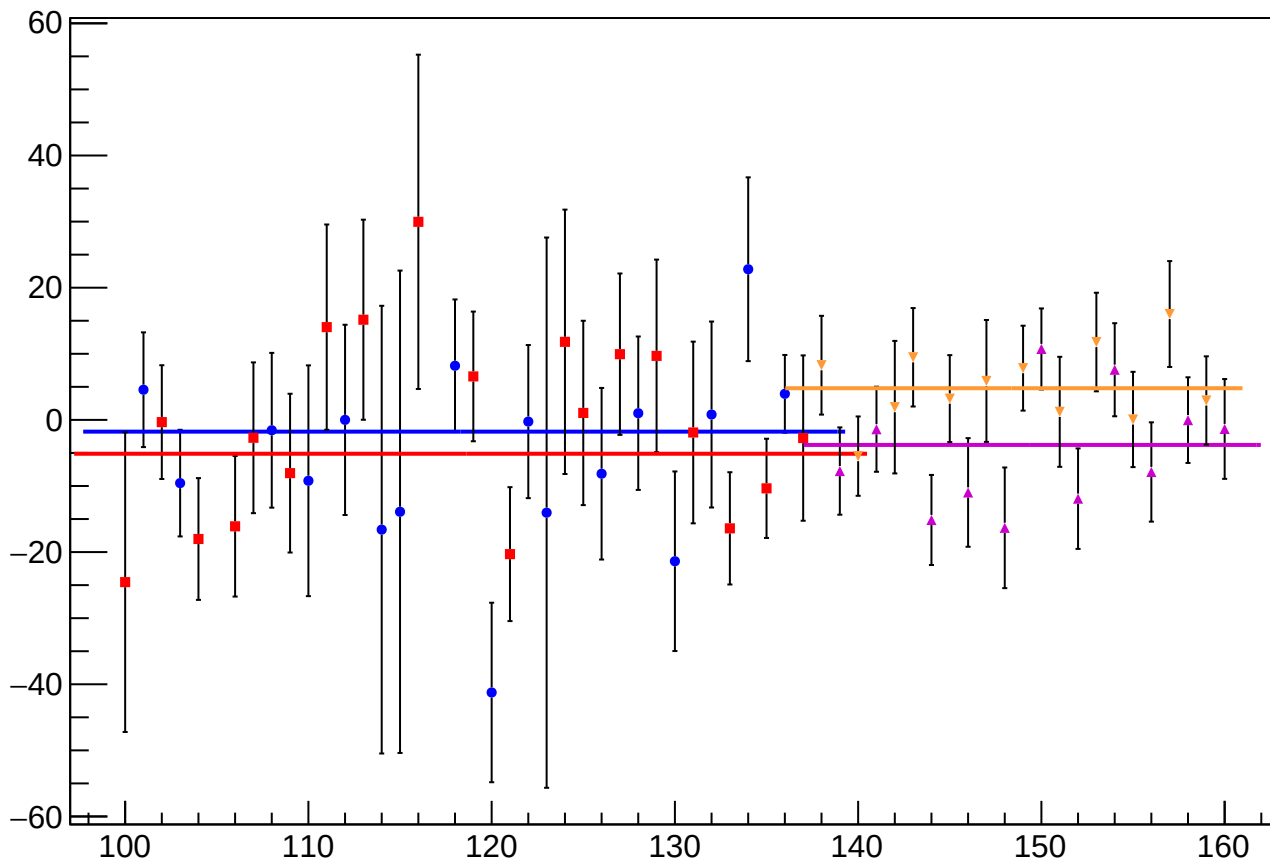
Left In: 9139.419+/-2.175 χ^2/NDF : 258926.0/10

9936.148+/-1.835 χ^2/NDF : 1696311.0/28

10075.325+/-1.304 χ^2/NDF : 3358891.3/5

10217.137+/-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: 4.790 ± 2.120 χ^2/NDF : 7.5/11

Right Out: -5.122 ± 2.642 χ^2/NDF : 18.9/18

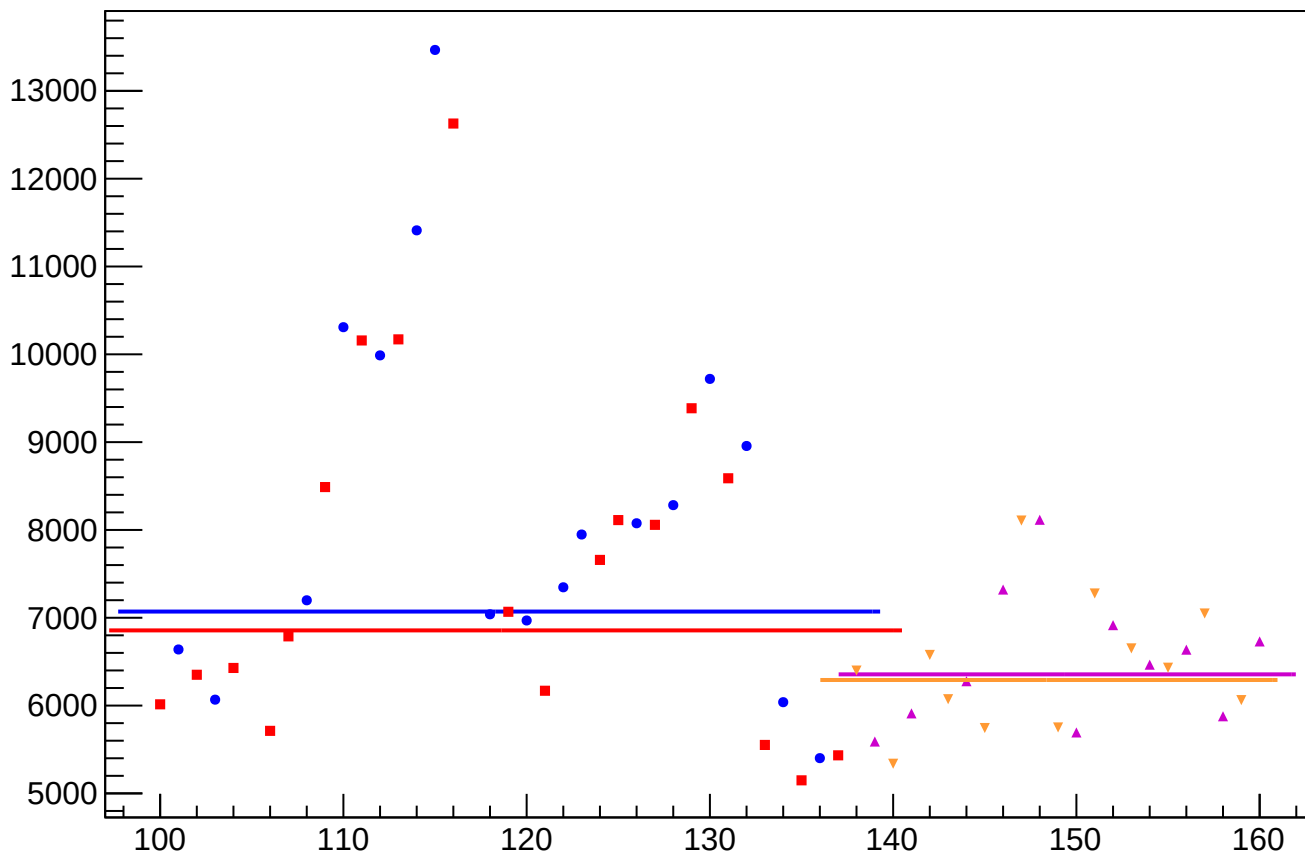
Left In: -3.789 ± 2.139 χ^2/NDF : 16.0/10

2.404 ± 1.692 χ^2/NDF : 28.9/28

-1.015 ± 1.186 χ^2/NDF : 72.0/58

-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: 6291.457 $\pm$ 1.499 χ^2/NDF :213489.7/11

Right Out: 6856.136 $\pm$ 1.868 χ^2/NDF : 682220.3/18

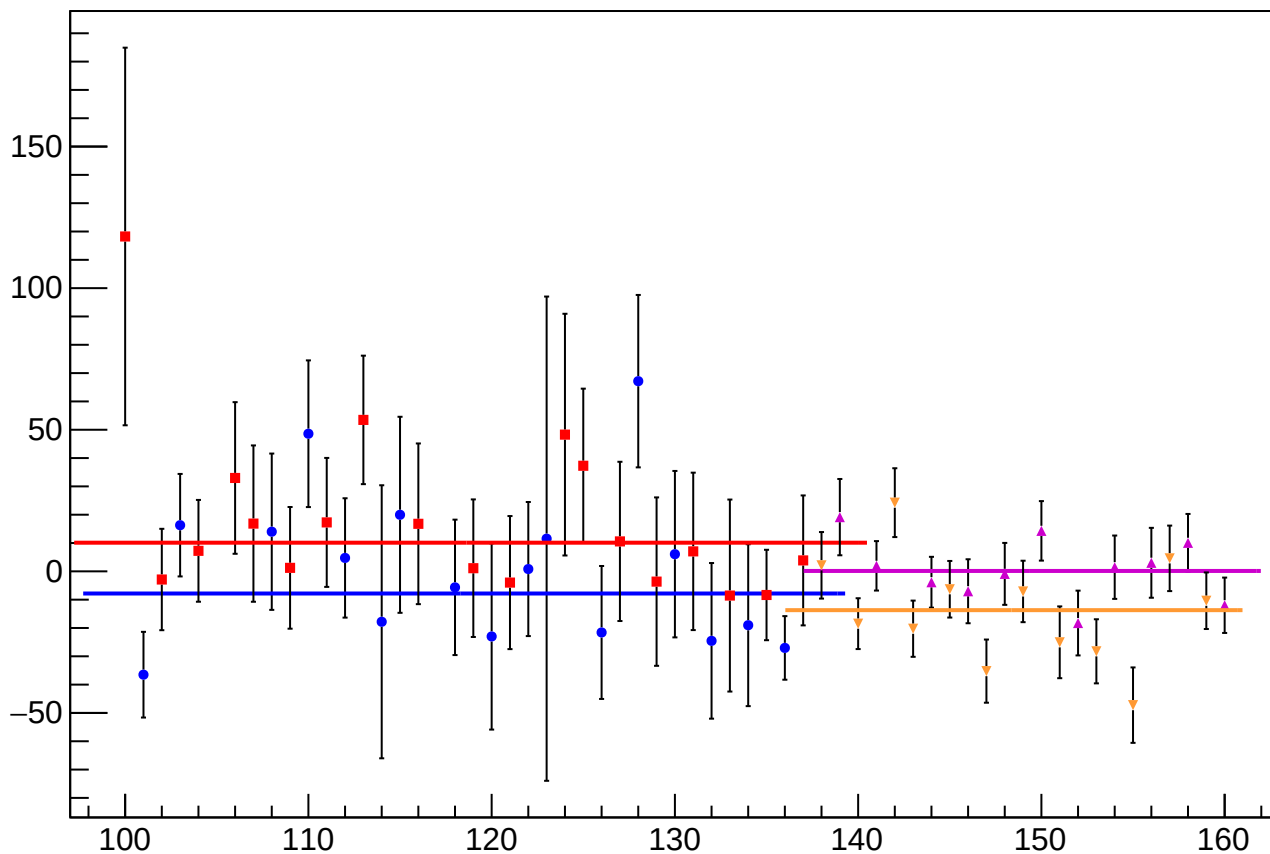
Left In: 6355.604 $\pm$ 1.512 χ^2/NDF :191876.7/10

6574.646 $\pm$ 1.196 χ^2/NDF : 913361.0/28

6564.036 $\pm$ 0.838 χ^2/NDF : 1830978.1/58

6553.788 $\pm$ 1.175 χ^2/NDF : 917462.4/29

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -13.706 ± 3.157 χ^2/NDF : 28.3/11

Right Out: 10.117 ± 5.571 χ^2/NDF : 12.2/18

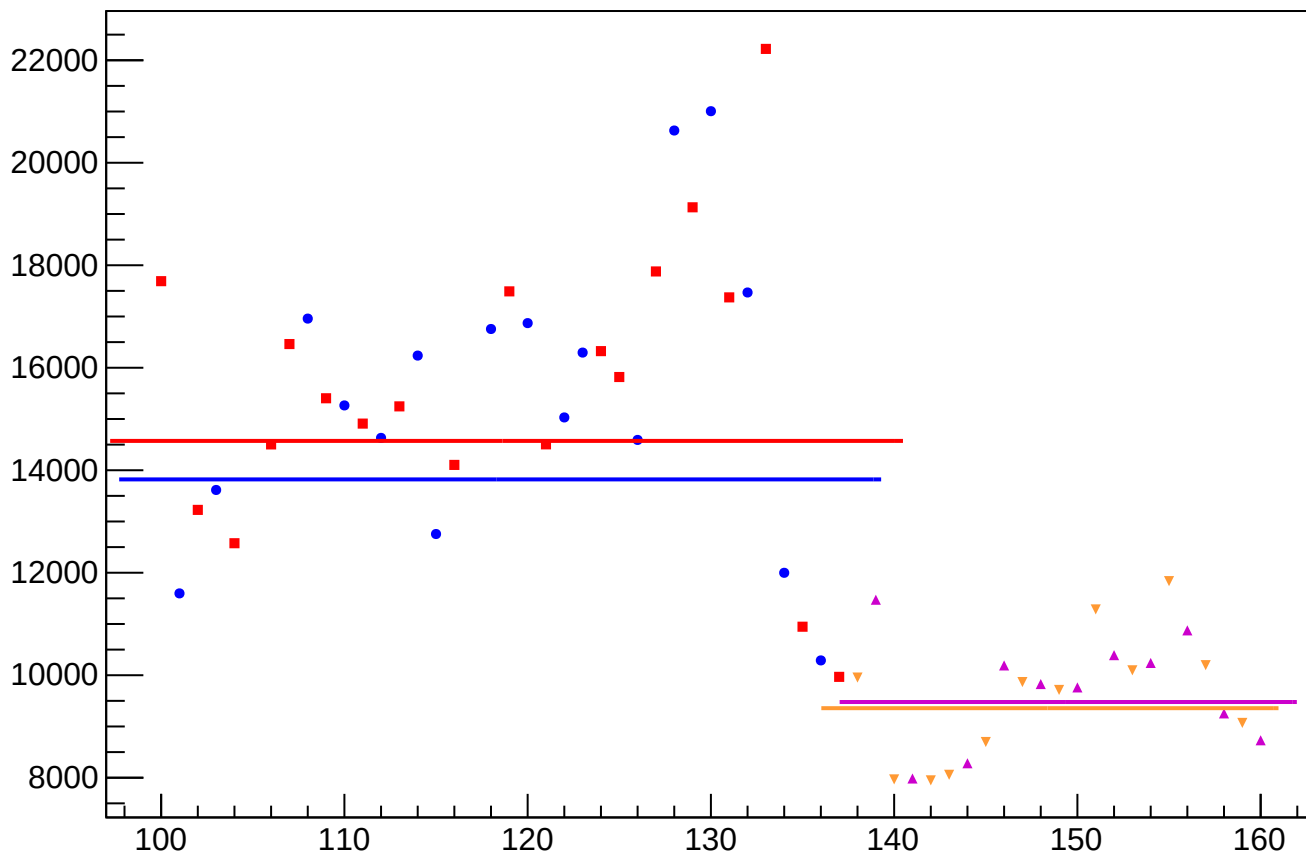
Left In: 0.137 ± 3.185 χ^2/NDF : 9.6/10

-12.255 ± 2.740 χ^2/NDF : 51.5/28

-4.897 ± 1.946 χ^2/NDF : 90.2/58

2.595 ± 2.765 χ^2/NDF : 24.2/29

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2 /NDF: 602672.4/16

Left Out: 9356.979 $\pm$ 2.233 χ^2 /NDF: 265636.7/11

Right Out: 14572.437 $\pm$ 3.939 χ^2 /NDF: 472468.2/18

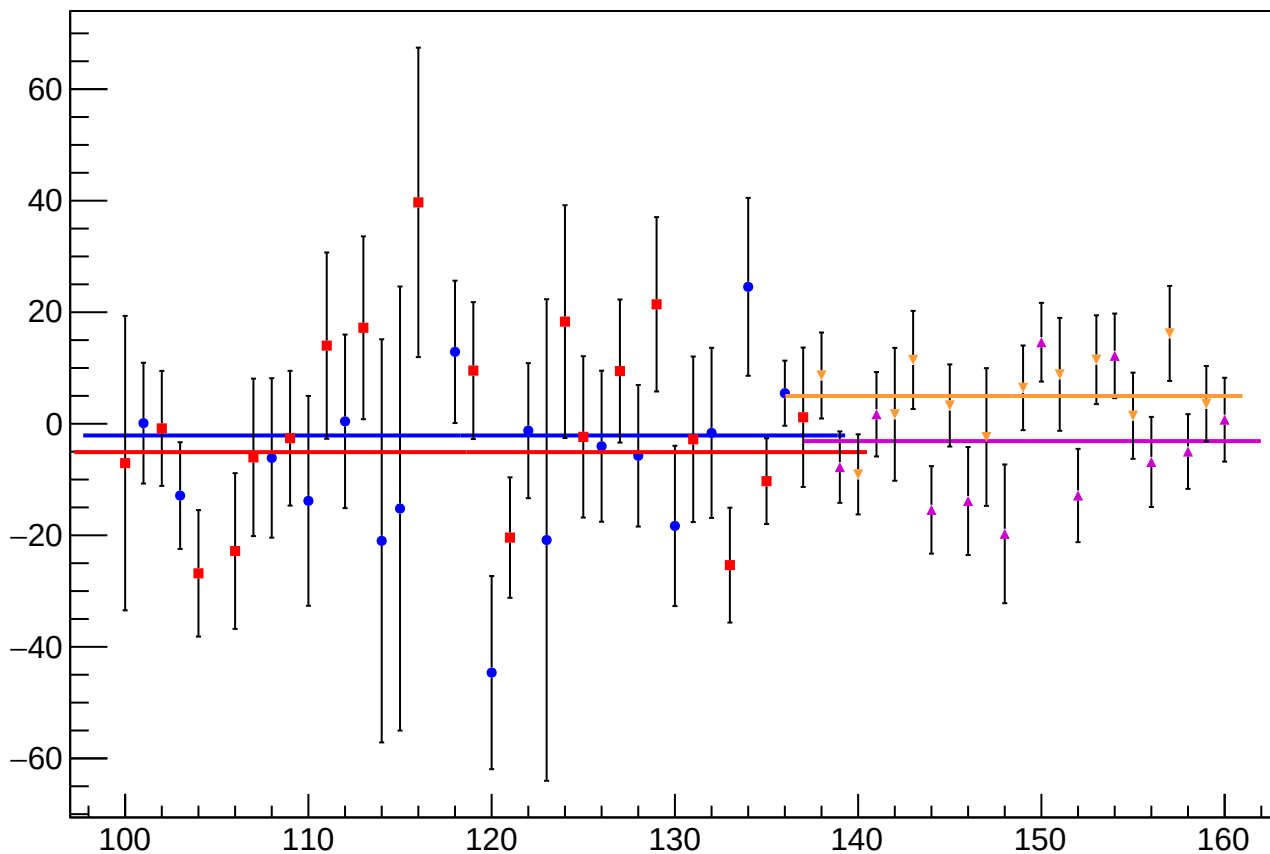
Left In: 9477.452 $\pm$ 2.252 χ^2 /NDF: 209699.9/10

10458.687 $\pm$ 1.938 χ^2 /NDF: 1855107.5/28

10594.287 $\pm$ 1.376 χ^2 /NDF: 3807889.7/5

10732.353 $\pm$ 1.955 χ^2 /NDF: 1942897.1/29

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 4.985 ± 2.381 χ^2/NDF : 7.9/11

Right Out: -5.085 ± 2.962 χ^2/NDF : 24.8/18

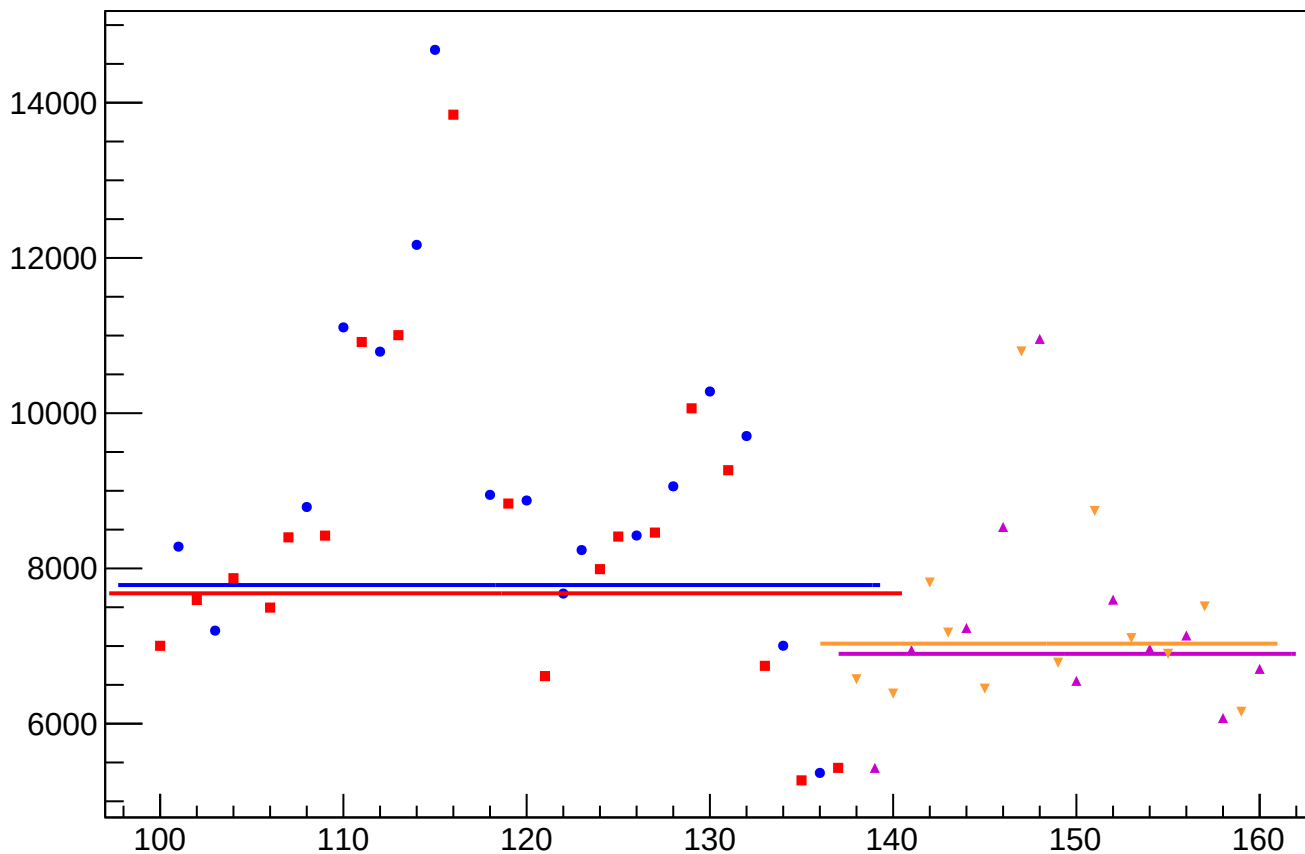
Left In: -3.111 ± 2.342 χ^2/NDF : 18.7/10

2.364 ± 1.890 χ^2/NDF : 26.8/28

-0.841 ± 1.317 χ^2/NDF : 76.2/58

-3.870 ± 1.837 χ^2/NDF : 43.8/29

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 +/- 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7030.907 +/- 1.684 χ^2 /NDF: 330465.8/11

Right Out: 7679.182 +/- 2.095 χ^2 /NDF: 668736.8/18

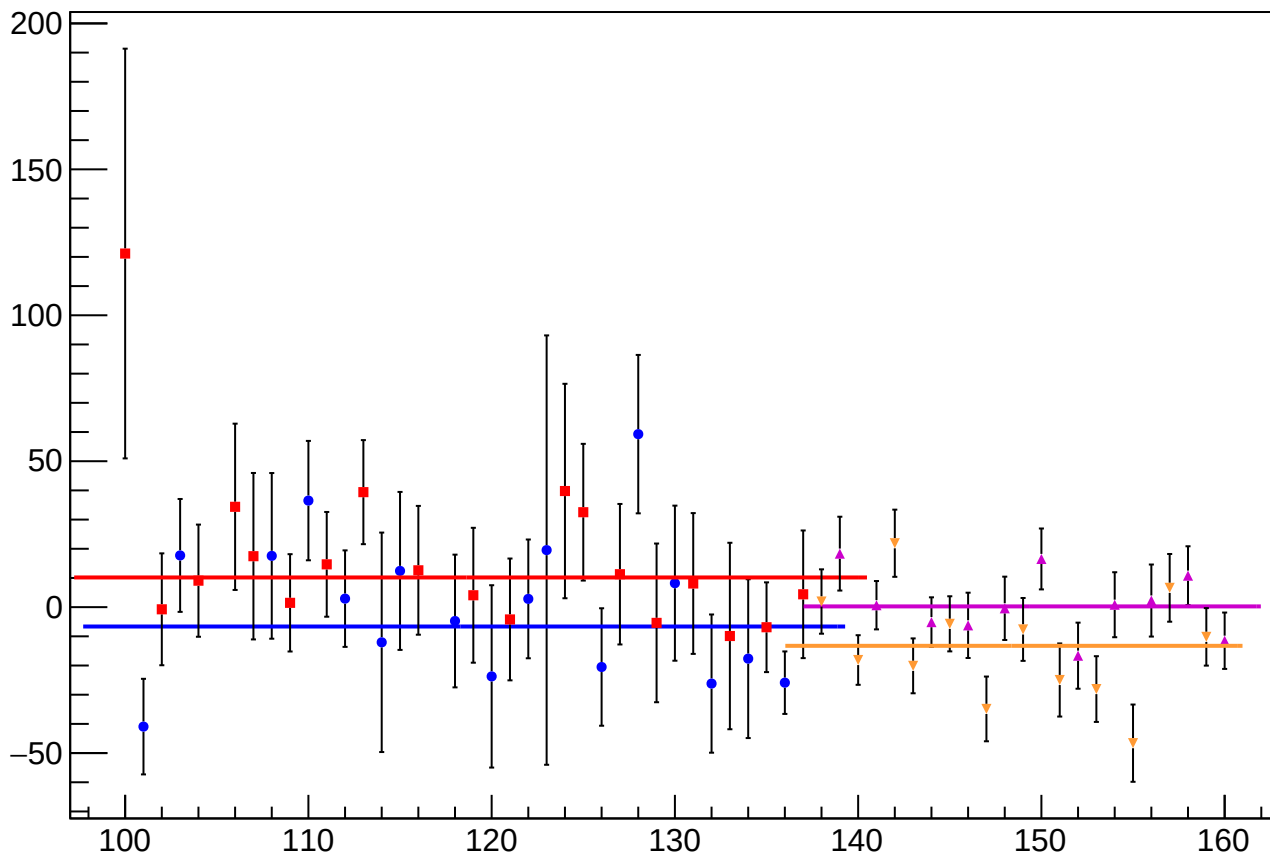
Left In: 6899.808 +/- 1.656 χ^2 /NDF: 431211.6/10

7310.325 +/- 1.336 χ^2 /NDF: 1142989.9/28

7253.394 +/- 0.931 χ^2 /NDF: 2331664.3/58

7199.591 +/- 1.299 χ^2 /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: -13.252 ± 3.063 χ^2/NDF : 28.8/11

Right Out: 10.172 ± 5.075 χ^2/NDF : 10.8/18

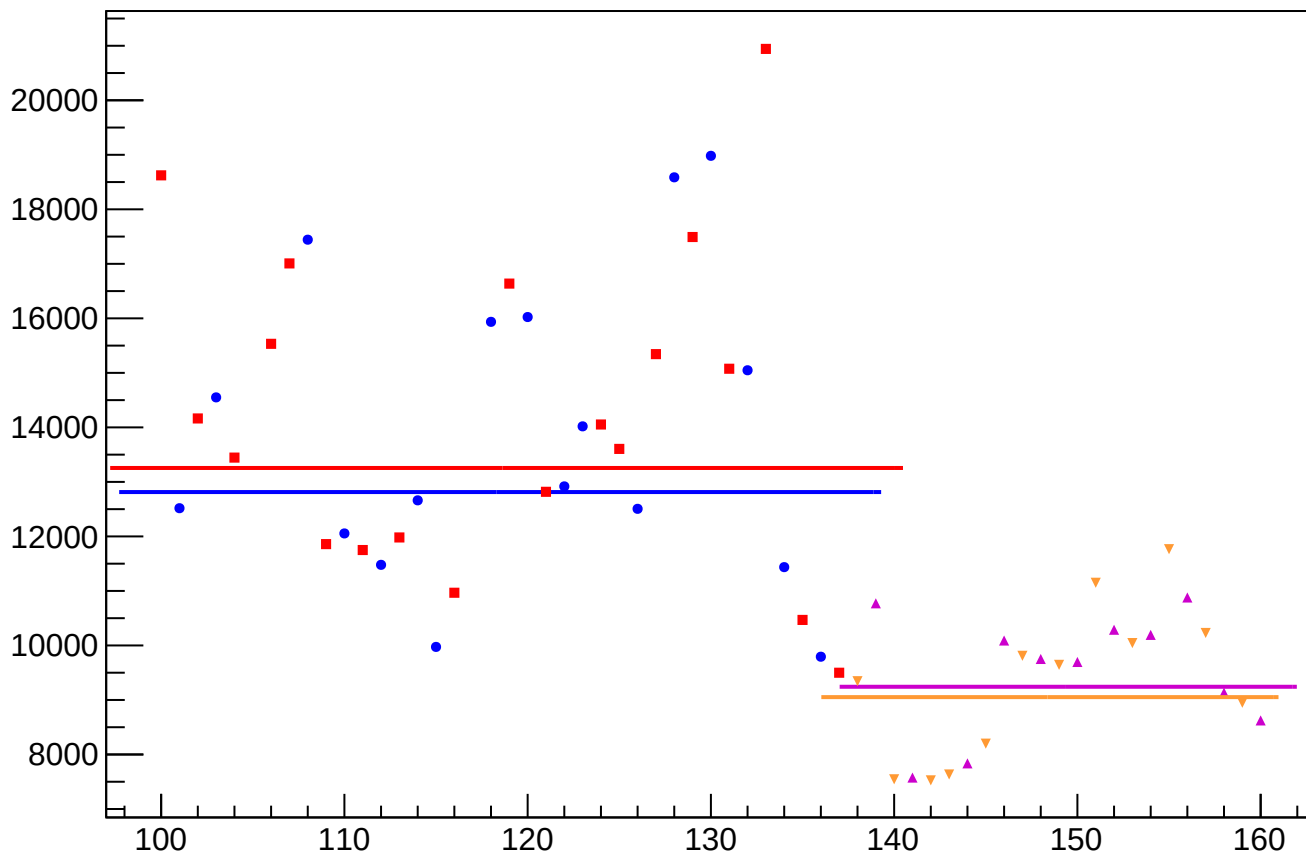
Left In: 0.256 ± 3.110 χ^2/NDF : 10.0/10

-11.499 ± 2.626 χ^2/NDF : 53.4/28

-4.339 ± 1.866 χ^2/NDF : 92.1/58

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: 9052.117+/-2.166 χ^2/NDF : 353304.2/11

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

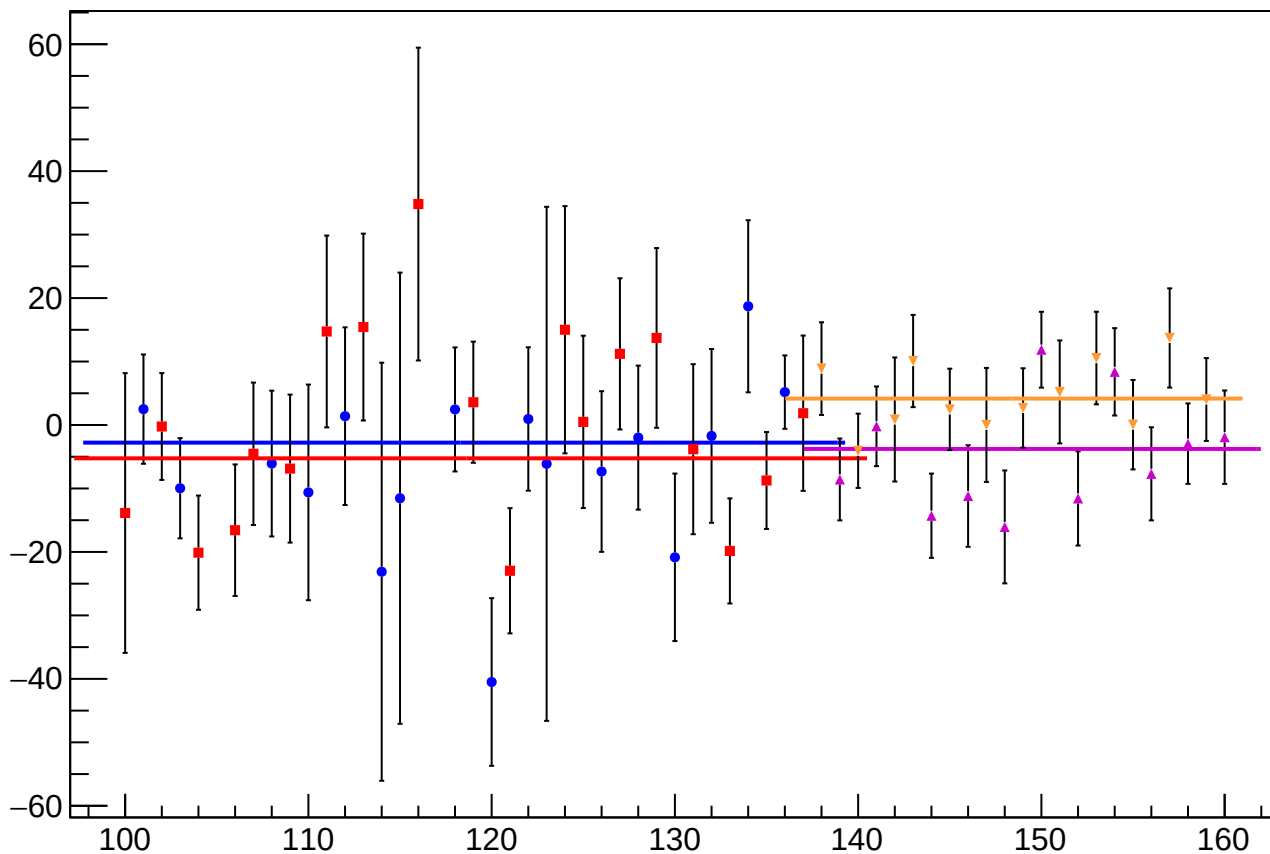
Left In: 9242.174+/-2.199 χ^2/NDF : 259934.9/10

10048.704+/-1.857 χ^2/NDF : 1700778.6/28

10191.894+/-1.319 χ^2/NDF : 3366363.6/5

10337.925+/-1.875 χ^2/NDF : 1653571.5/29

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 4.169 ± 2.069 $\chi^2/\text{NDF}: 6.1/11$

Right Out: -5.252 ± 2.590 $\chi^2/\text{NDF}: 23.5/18$

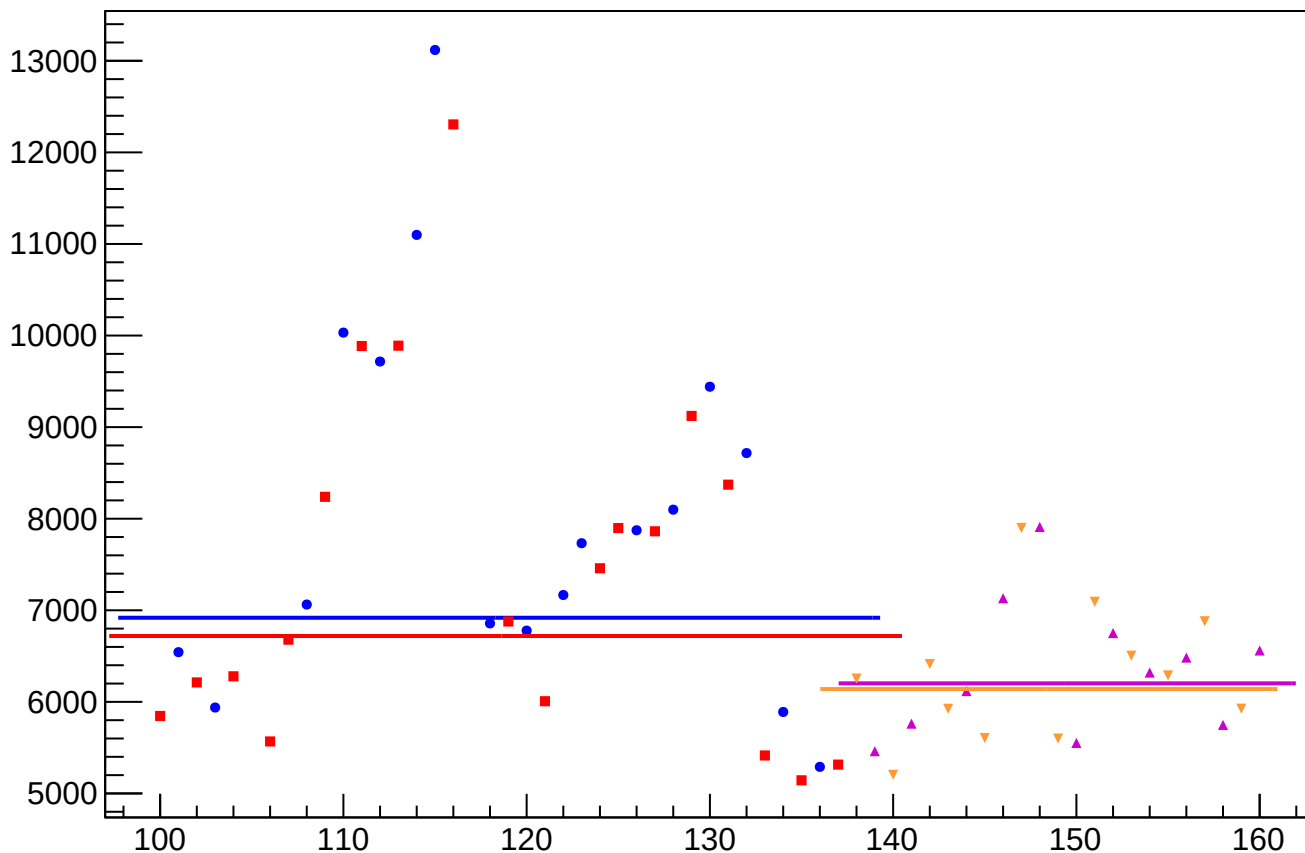
Left In: -3.771 ± 2.087 $\chi^2/\text{NDF}: 17.6/10$

1.654 ± 1.653 $\chi^2/\text{NDF}: 27.2/28$

-1.400 ± 1.159 $\chi^2/\text{NDF}: 75.3/58$

-4.354 ± 1.625 $\chi^2/\text{NDF}: 41.3/29$

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6139.710+/-1.463 χ^2/NDF : 214234.1/11

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

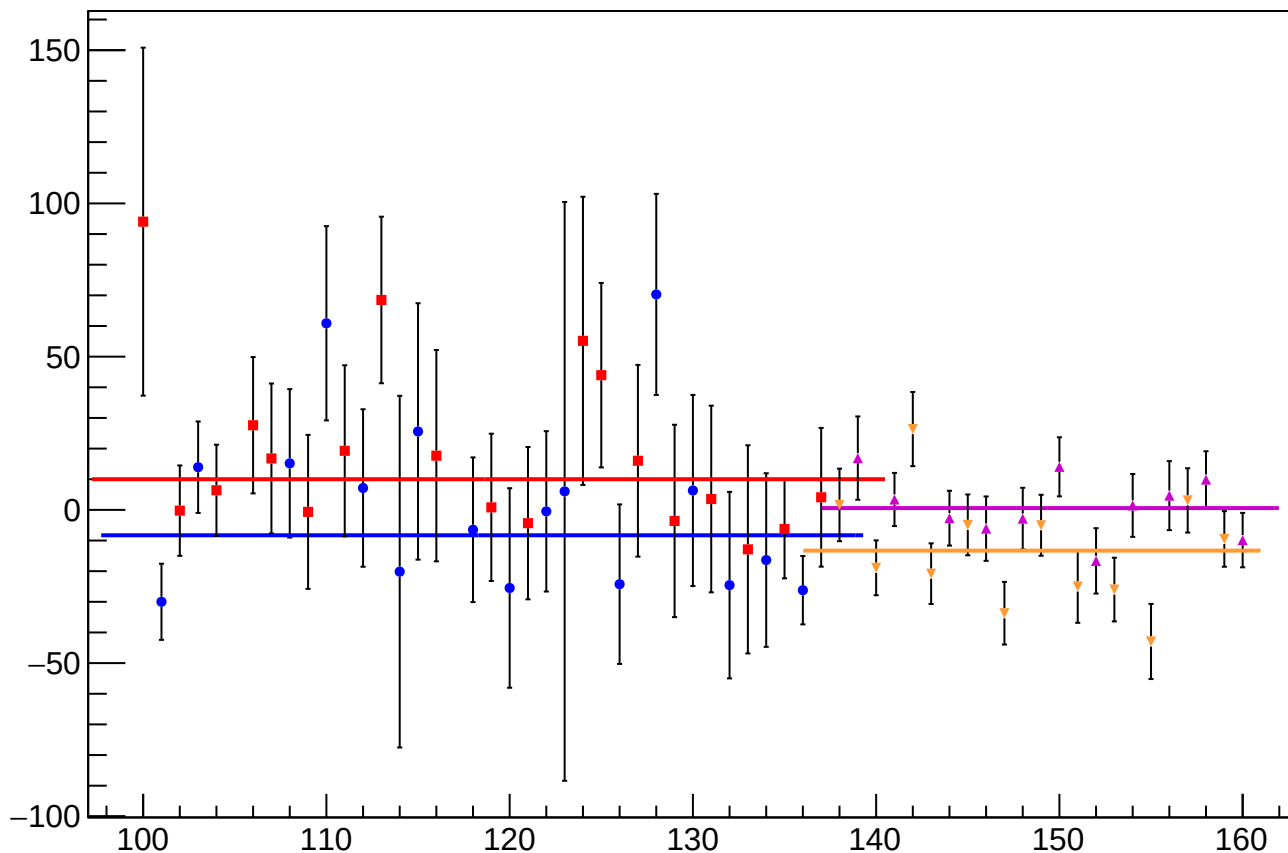
Left In: 6202.333+/-1.476 χ^2/NDF : 190386.4/10

6421.613+/-1.169 χ^2/NDF : 904782.0/28

6413.655+/-0.819 χ^2/NDF : 1797426.7/58

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: -13.292 ± 3.005 χ^2/NDF : 29.6/11

Right Out: 10.007 ± 5.513 χ^2/NDF : 12.9/18

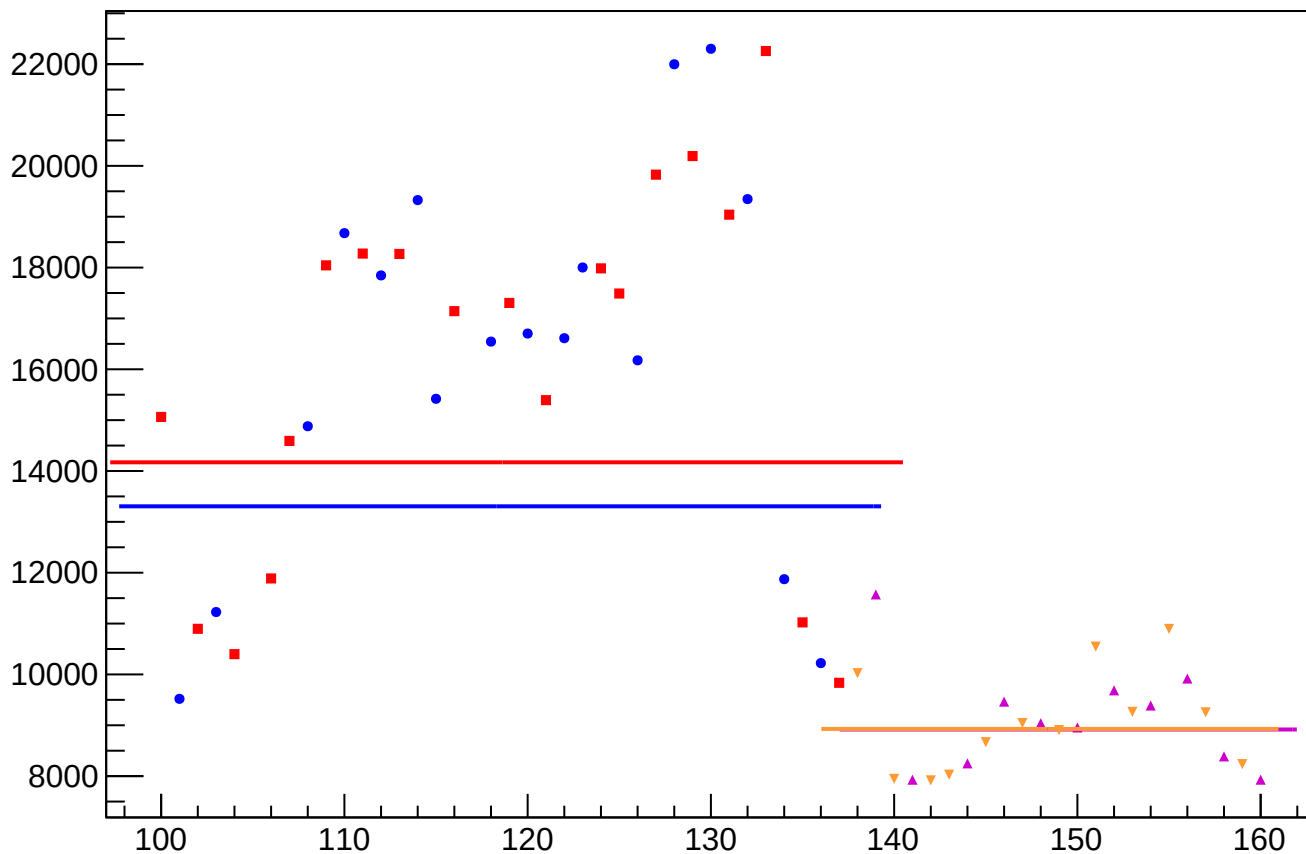
Left In: 0.585 ± 2.995 χ^2/NDF : 9.3/10

-12.112 ± 2.627 χ^2/NDF : 52.0/28

-4.704 ± 1.859 χ^2/NDF : 92.4/58

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: 8928.292 $\pm$ 2.125 χ^2/NDF :177862.7/11

Right Out: 14170.668 $\pm$ 3.898 χ^2/NDF : 930612.1/18

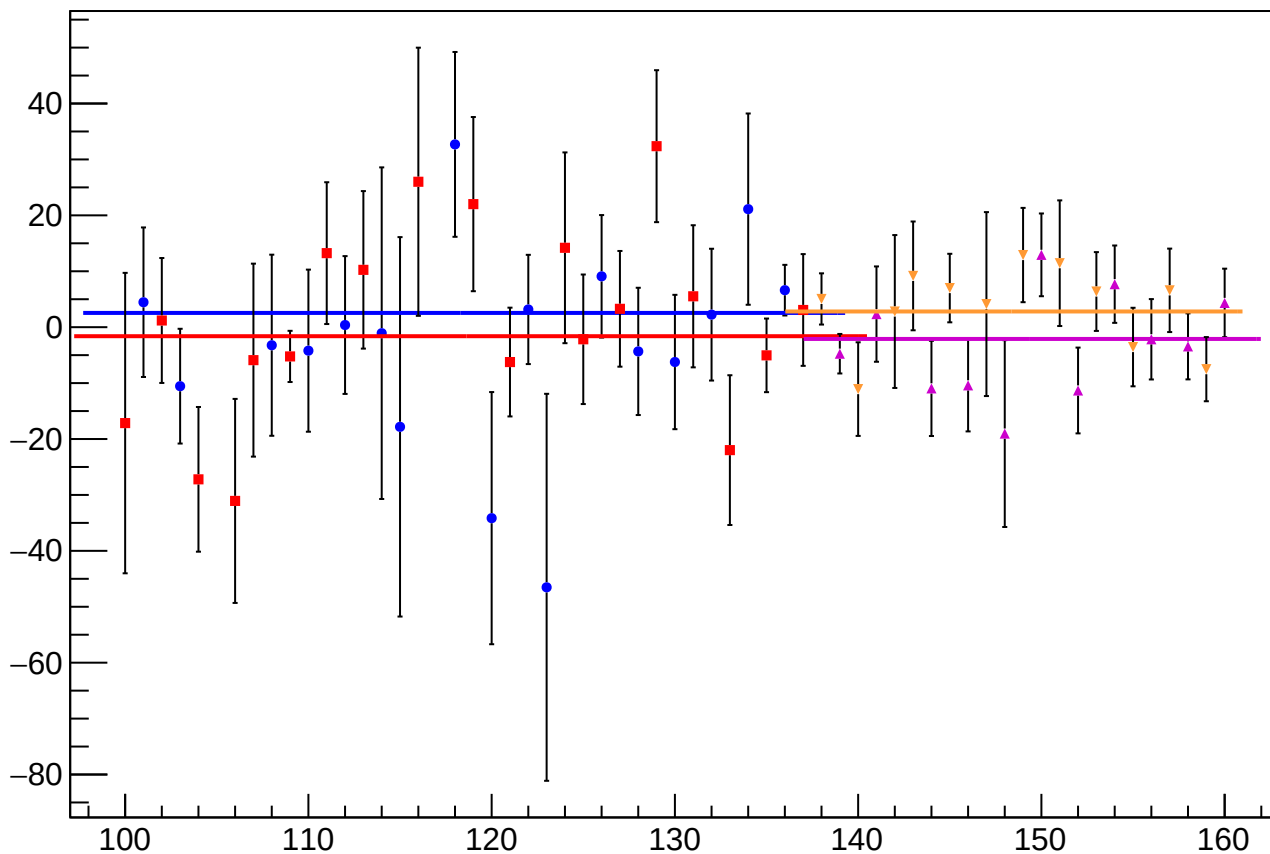
Left In: 8917.153 $\pm$ 2.118 χ^2/NDF :180899.2/10

9960.098 $\pm$ 1.857 χ^2/NDF : 2222502.9/28

10036.932 $\pm$ 1.315 χ^2/NDF : 4739786.6/5

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: 2.810 $\pm$ 2.137 χ^2/NDF : 10.5/11

Right Out: -1.613 $\pm$ 2.442 χ^2/NDF : 24.0/18

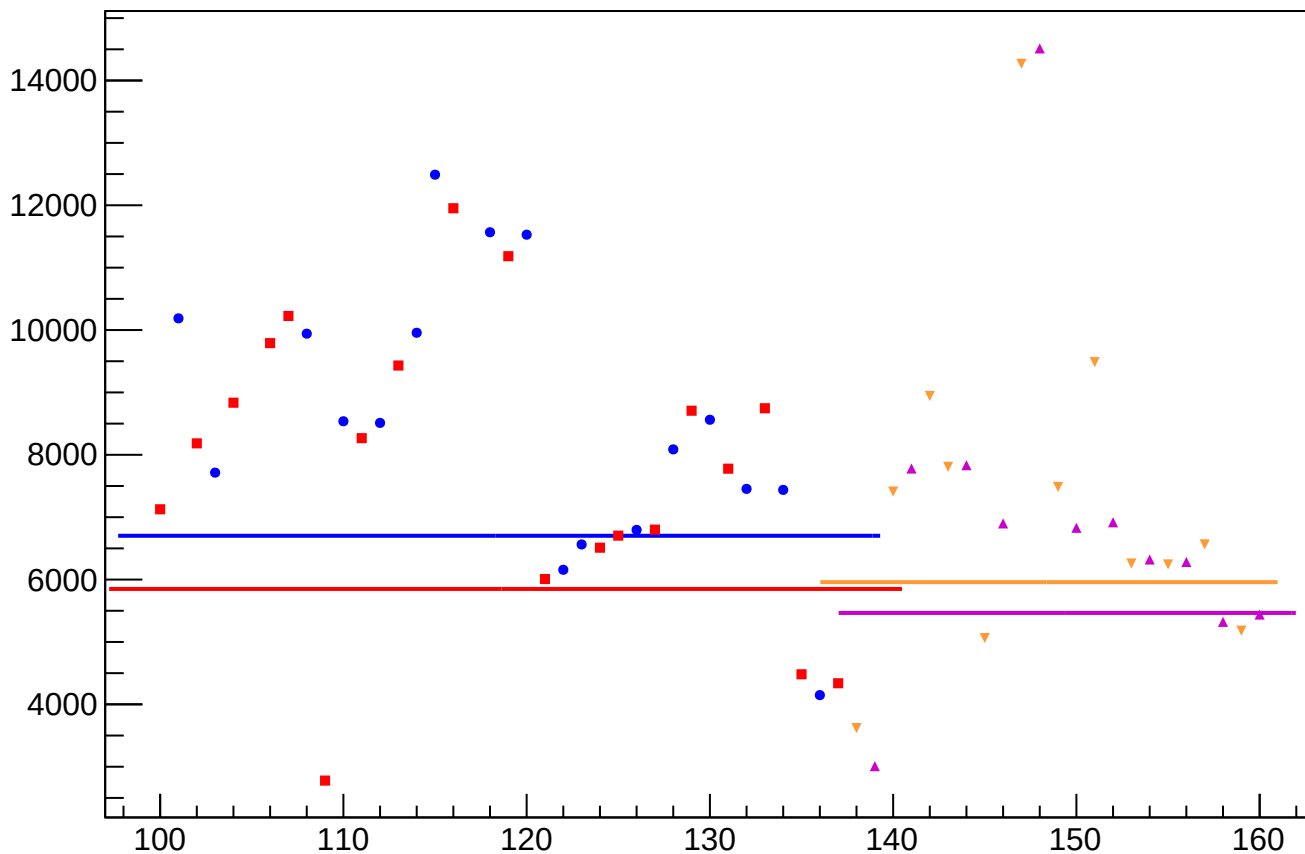
Left In: -2.103 $\pm$ 1.973 χ^2/NDF : 12.7/10

2.713 $\pm$ 1.689 χ^2/NDF : 24.1/28

0.181 $\pm$ 1.136 χ^2/NDF : 64.9/58

-1.910 $\pm$ 1.535 χ^2/NDF : 36.7/29

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245 +/- 1.949 χ^2/NDF : 1389956.8/16

Left Out: 5958.732 +/- 1.511 χ^2/NDF : 1622164.7/11

Right Out: 5849.606 +/- 1.727 χ^2/NDF : 2278464.5/18

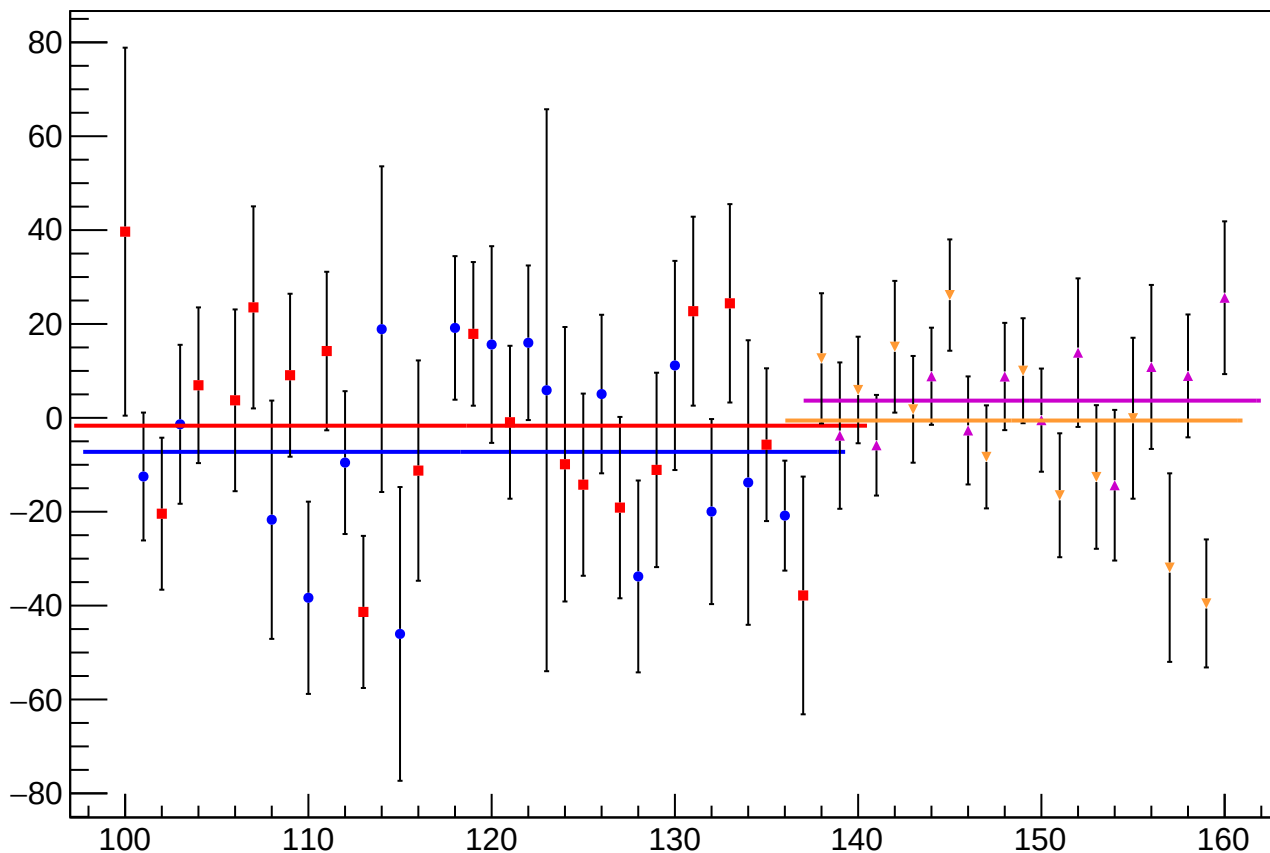
Left In: 5465.199 +/- 1.395 χ^2/NDF : 2112952.2/10

6237.846 +/- 1.194 χ^2/NDF : 3102987.4/28

5897.814 +/- 0.803 χ^2/NDF : 7672364.8/58

5617.027 +/- 1.085 χ^2/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: -0.569 ± 3.768 χ^2/NDF : 21.7/11

Right Out: -1.671 ± 4.373 χ^2/NDF : 19.9/18

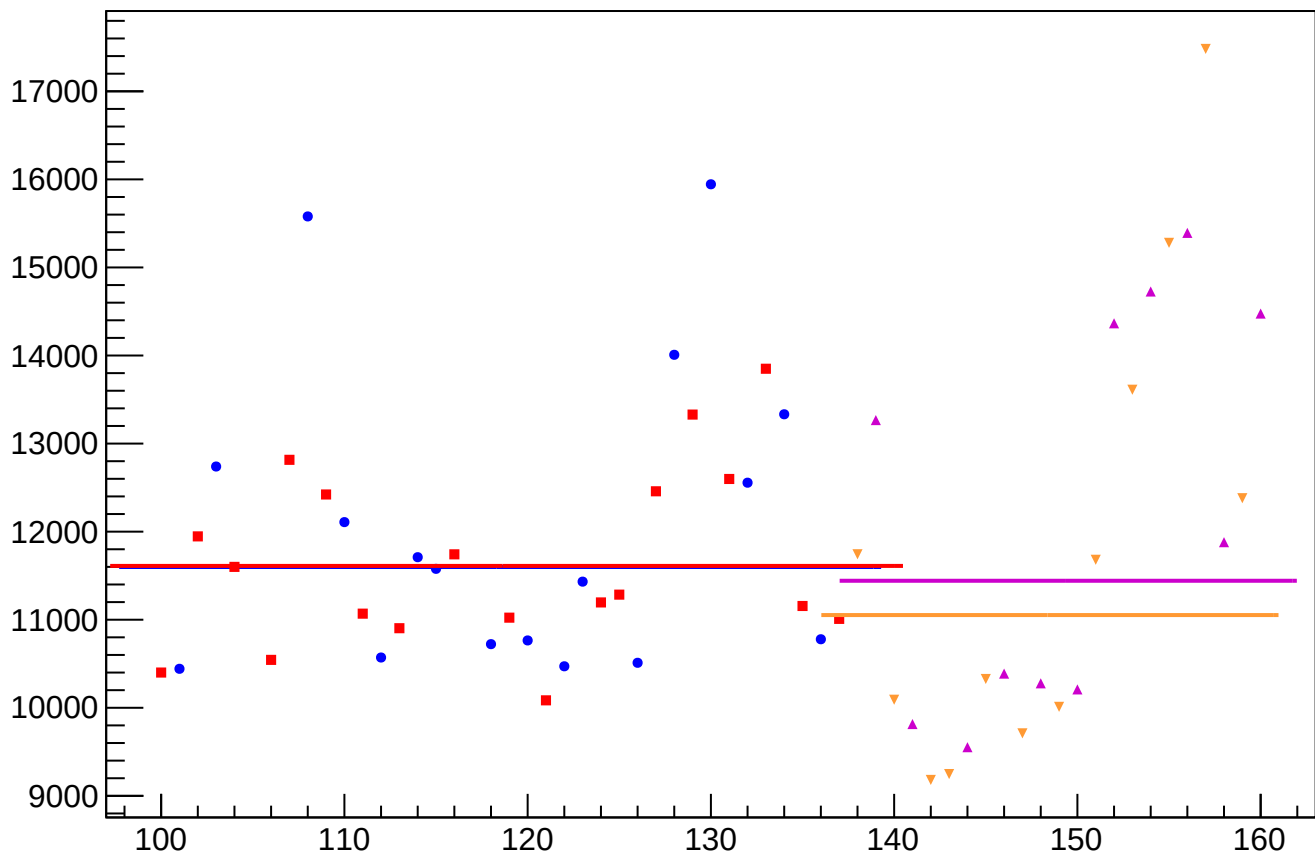
Left In: 3.669 ± 3.881 χ^2/NDF : 5.7/10

-3.287 ± 2.901 χ^2/NDF : 38.9/28

-0.987 ± 2.052 χ^2/NDF : 66.6/58

1.316 ± 2.903 χ^2/NDF : 26.4/29

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751 $\pm$ 3.215 χ^2 /NDF: 235423.8/16

Left Out: 11052.821 $\pm$ 2.664 χ^2 /NDF: 565913.8/11

Right Out: 11610.941 $\pm$ 3.092 χ^2 /NDF: 94447.0/18

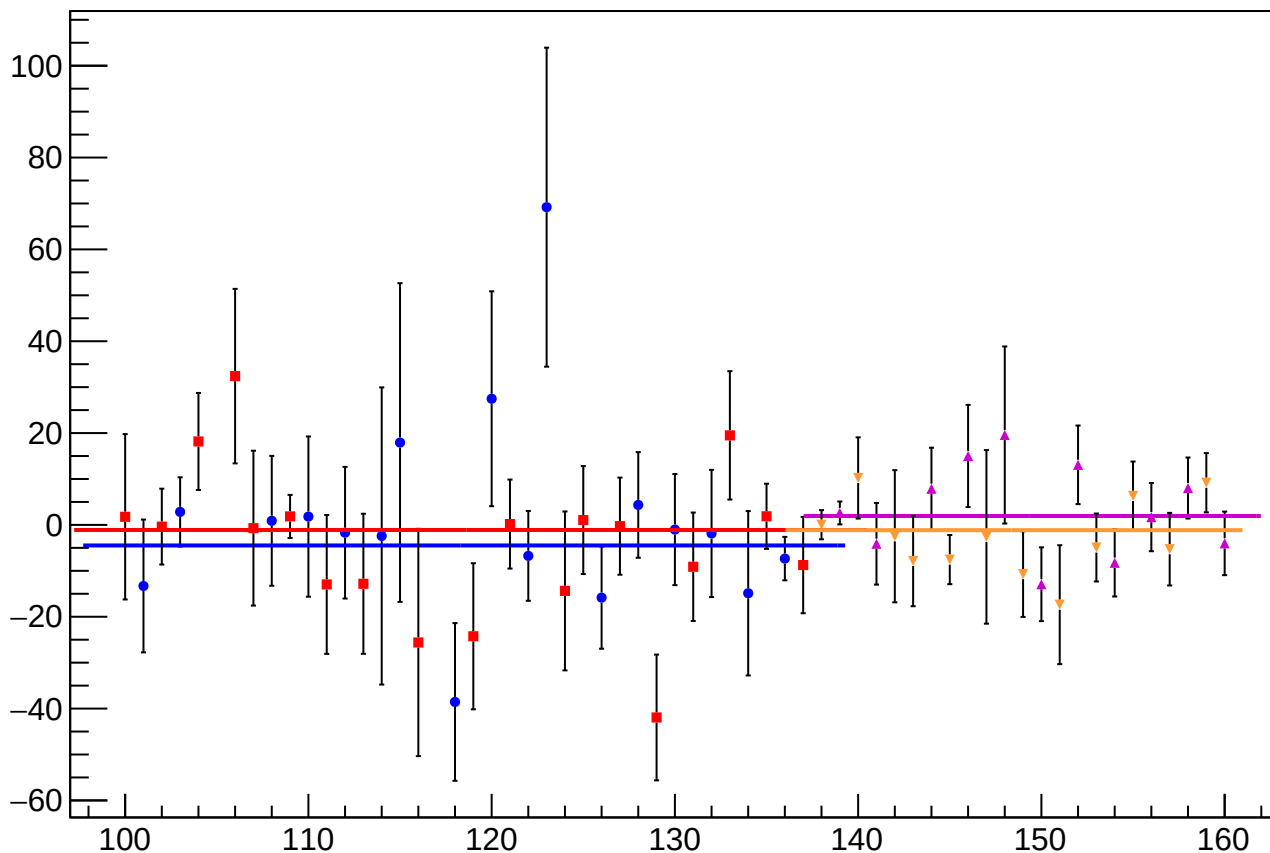
Left In: 11442.343 $\pm$ 2.744 χ^2 /NDF: 528848.7/10

11275.058 $\pm$ 2.051 χ^2 /NDF: 818432.4/28

11395.775 $\pm$ 1.451 χ^2 /NDF: 1450320.9/5

11516.626 $\pm$ 2.053 χ^2 /NDF: 624958.7/29

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -1.147 ± 1.968 χ^2/NDF : 10.4/11

Right Out: -1.105 ± 2.429 χ^2/NDF : 24.0/18

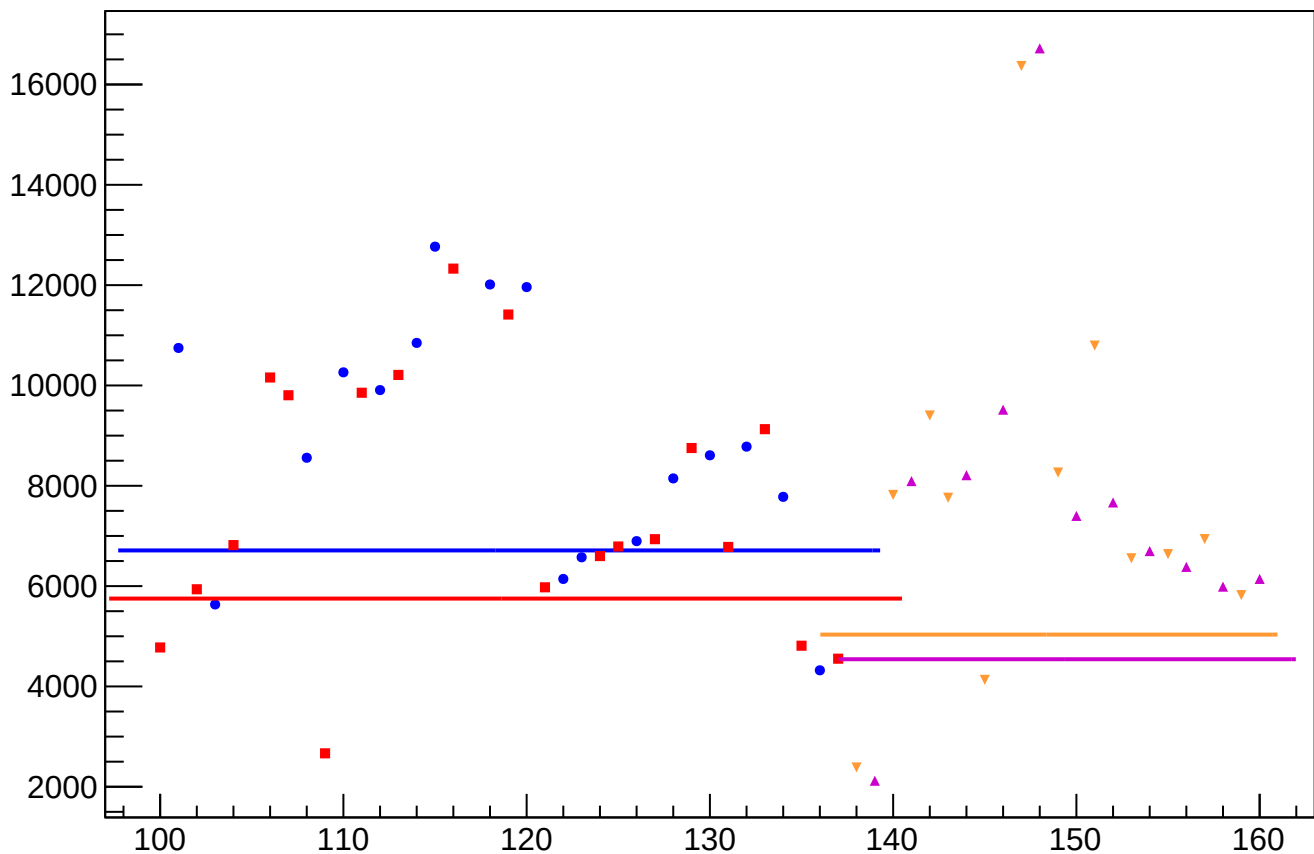
Left In: 1.944 ± 1.806 χ^2/NDF : 11.8/10

-2.257 ± 1.606 χ^2/NDF : 26.2/28

-0.540 ± 1.076 χ^2/NDF : 65.2/58

0.858 ± 1.450 χ^2/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: 5033.626 +/- 1.391 χ^2/NDF : 3659841.3/11

Right Out: 5751.505 +/- 1.718 χ^2/NDF : 2165110.0/18

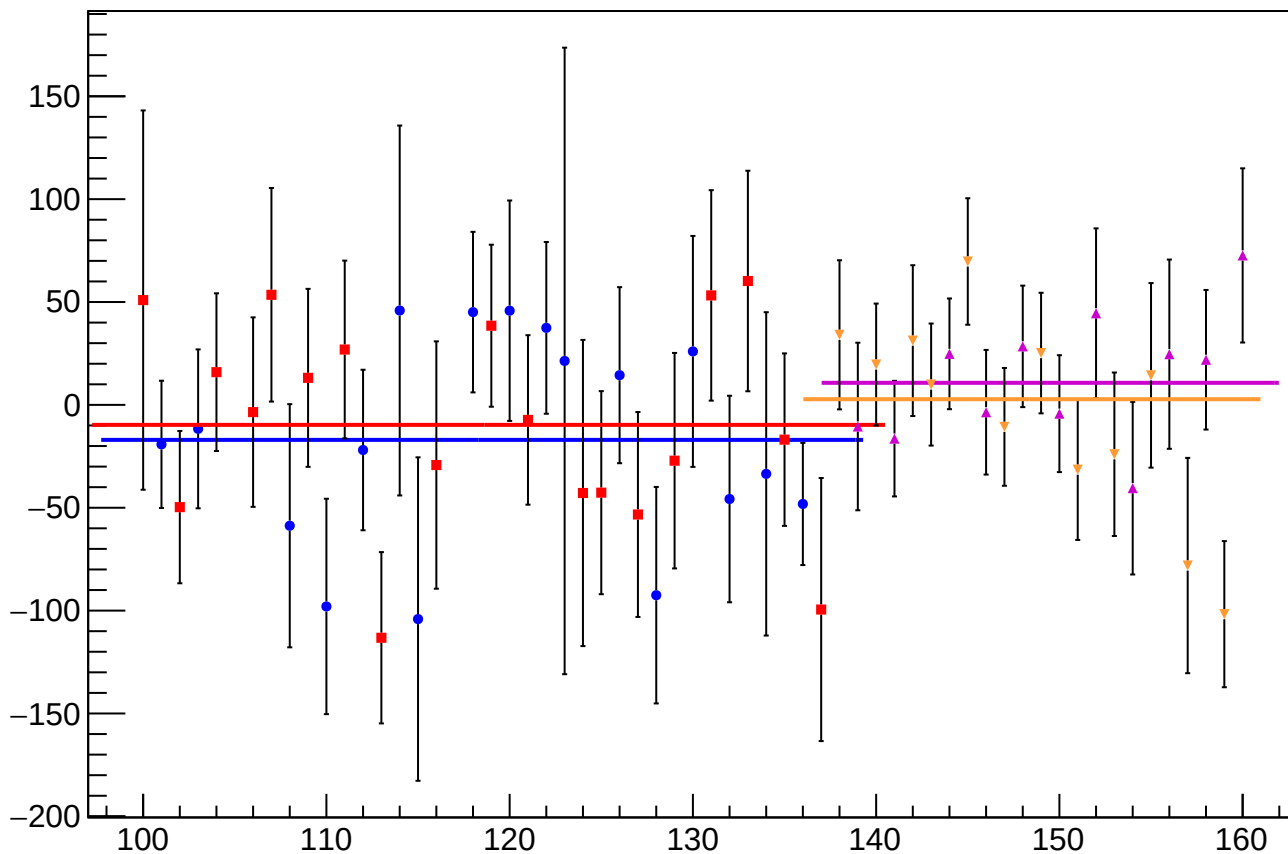
Left In: 4542.295 +/- 1.277 χ^2/NDF : 4760895.1/10

5593.226 +/- 1.136 χ^2/NDF : 5591824.4/28

5251.325 +/- 0.761 χ^2/NDF : 13001330.6/5

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: 2.761 ± 9.820 χ^2/NDF : 19.8/11

Right Out: -9.719 ± 10.891 χ^2/NDF : 19.1/18

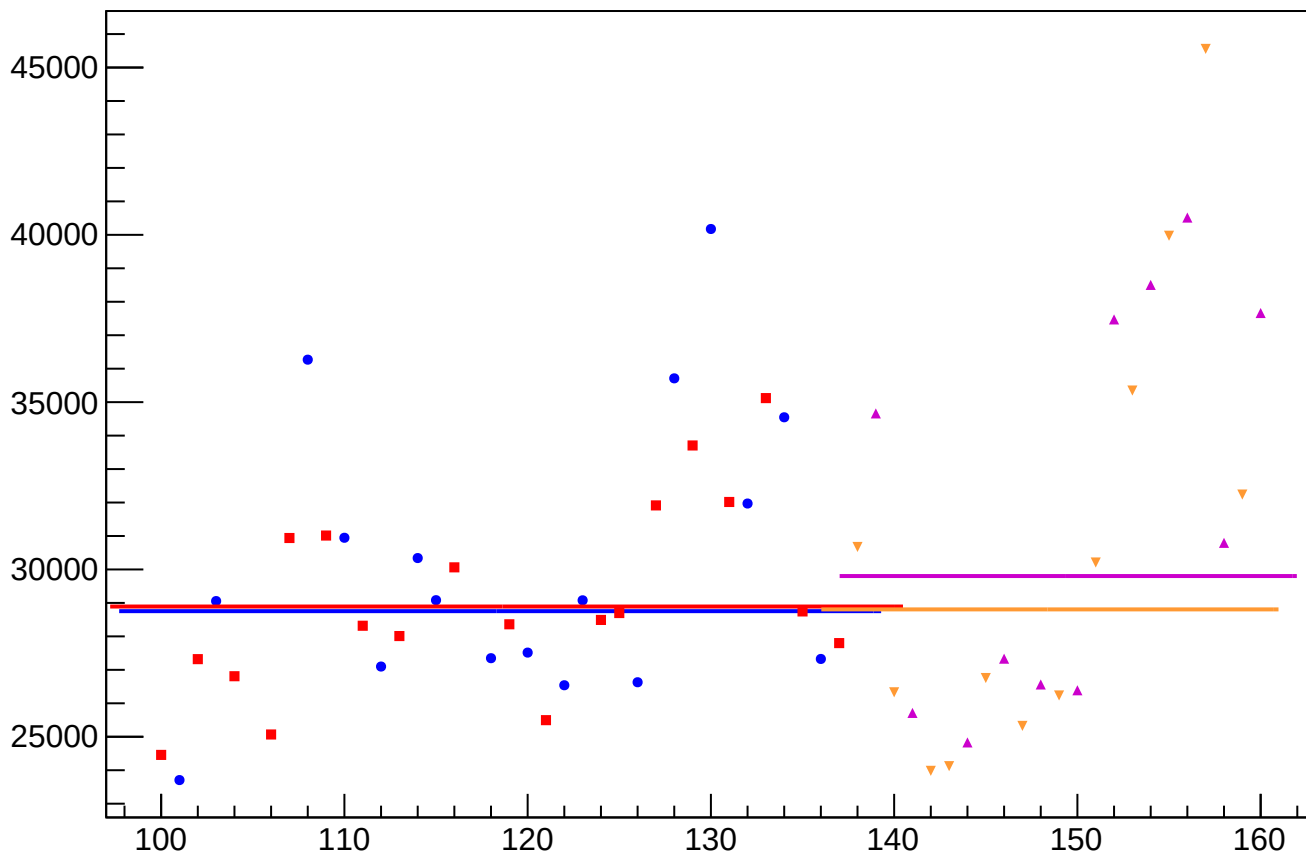
Left In: 10.731 ± 10.111 χ^2/NDF : 6.8/10

-5.757 ± 7.409 χ^2/NDF : 36.6/28

-2.248 ± 5.239 χ^2/NDF : 64.8/58

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: 28806.304 ± 6.944 χ^2/NDF : 562830.8/11

Right Out: 28892.154 ± 7.701 χ^2/NDF : 111241.2/18

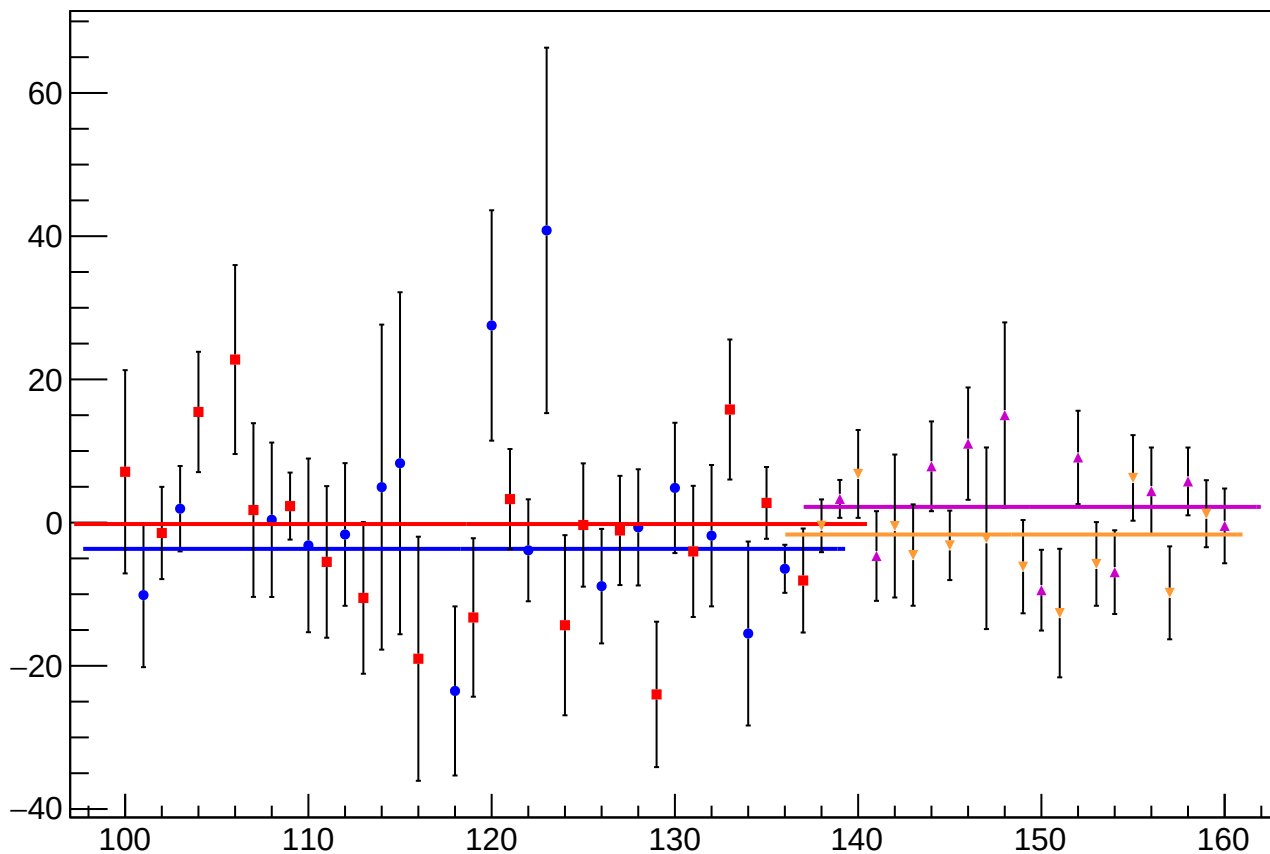
Left In: 29803.094 ± 7.150 χ^2/NDF : 539639.2/10

28783.677 ± 5.239 χ^2/NDF : 812070.6/28

29082.471 ± 3.705 χ^2/NDF : 1476973.0/5

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: -1.664 ± 1.711 χ^2/NDF : 8.5/11

Right Out: -0.199 ± 1.893 χ^2/NDF : 22.3/18

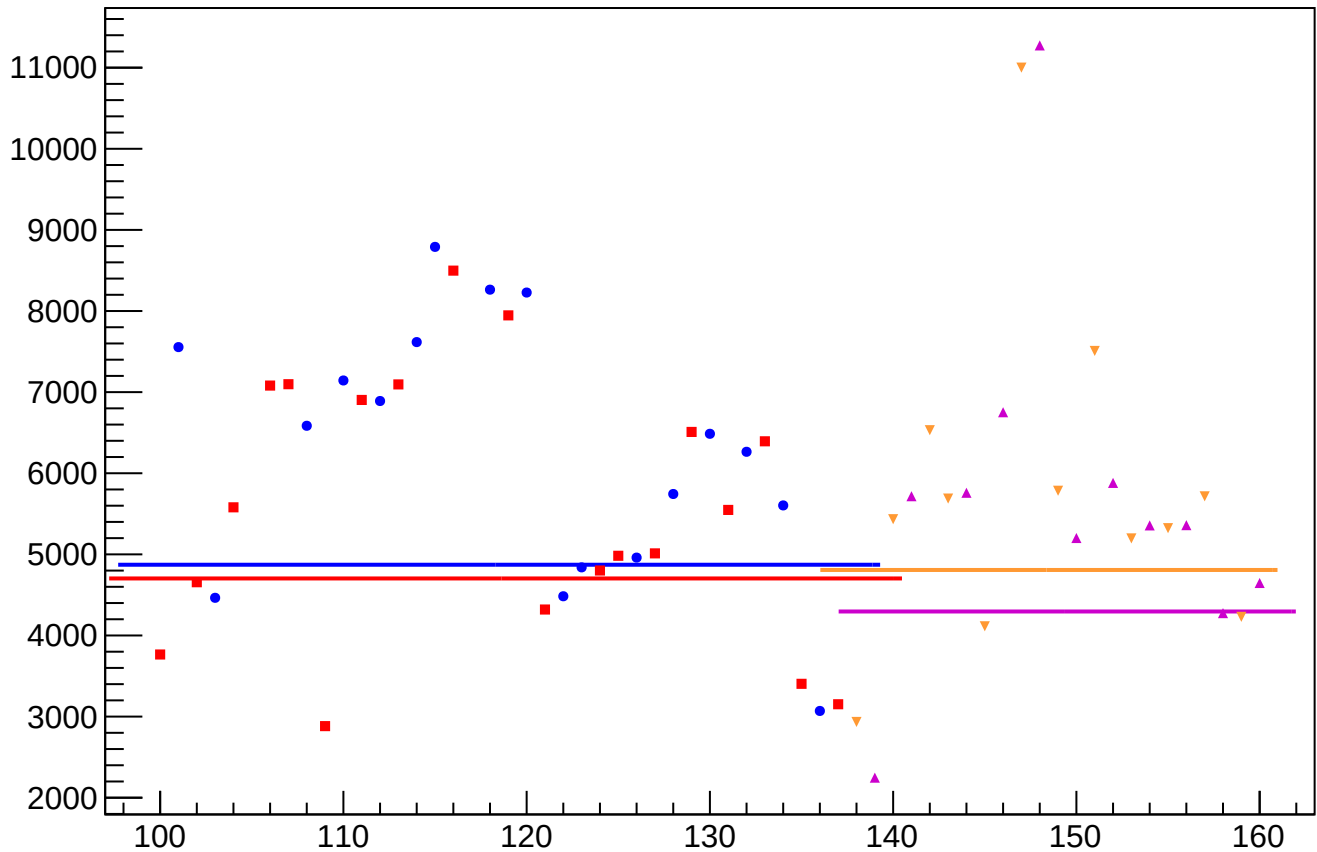
Left In: 2.193 ± 1.565 χ^2/NDF : 13.2/10

-2.506 ± 1.303 χ^2/NDF : 23.5/28

-0.499 ± 0.885 χ^2/NDF : 64.4/58

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: 4807.608+/-1.210 χ^2/NDF : 1465766.2/11

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

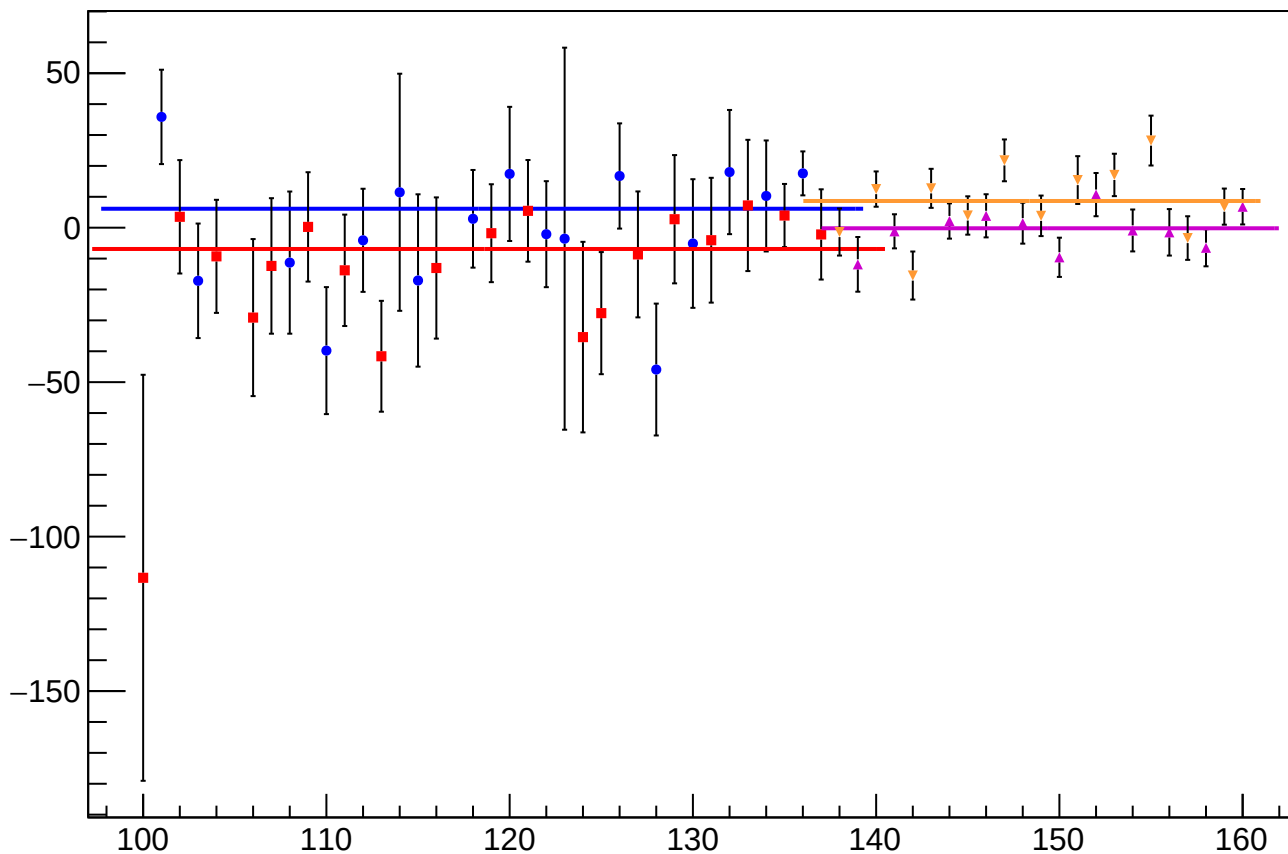
Left In: 4295.765+/-1.106 χ^2/NDF : 2493047.3/10

4834.710+/-0.921 χ^2/NDF : 2872213.7/28

4633.507+/-0.626 χ^2/NDF : 6821557.1/58

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: 8.643 $\pm$ 1.950 χ^2 /NDF: 28.3/11

Right Out: -6.892 $\pm$ 4.224 χ^2 /NDF: 12.5/18

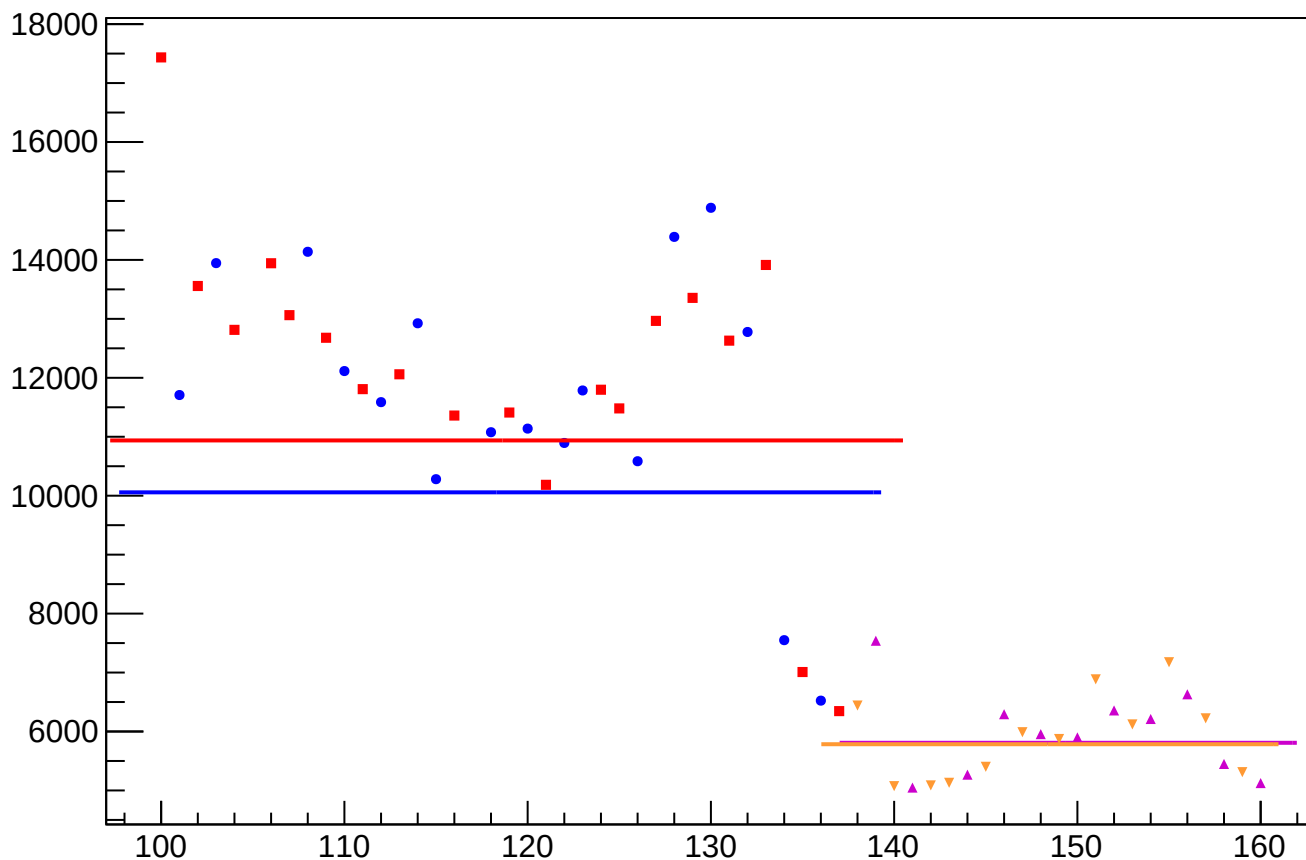
Left In: -0.194 $\pm$ 1.953 χ^2 /NDF: 9.6/10

8.176 $\pm$ 1.759 χ^2 /NDF: 50.8/28

3.438 $\pm$ 1.249 χ^2 /NDF: 89.5/58

-1.373 $\pm$ 1.772 χ^2 /NDF: 24.1/29

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5784.093 $\pm$ 1.379 χ^2/NDF : 218808.7/11

Right Out: 10937.573 $\pm$ 2.987 χ^2/NDF : 762909.5/18

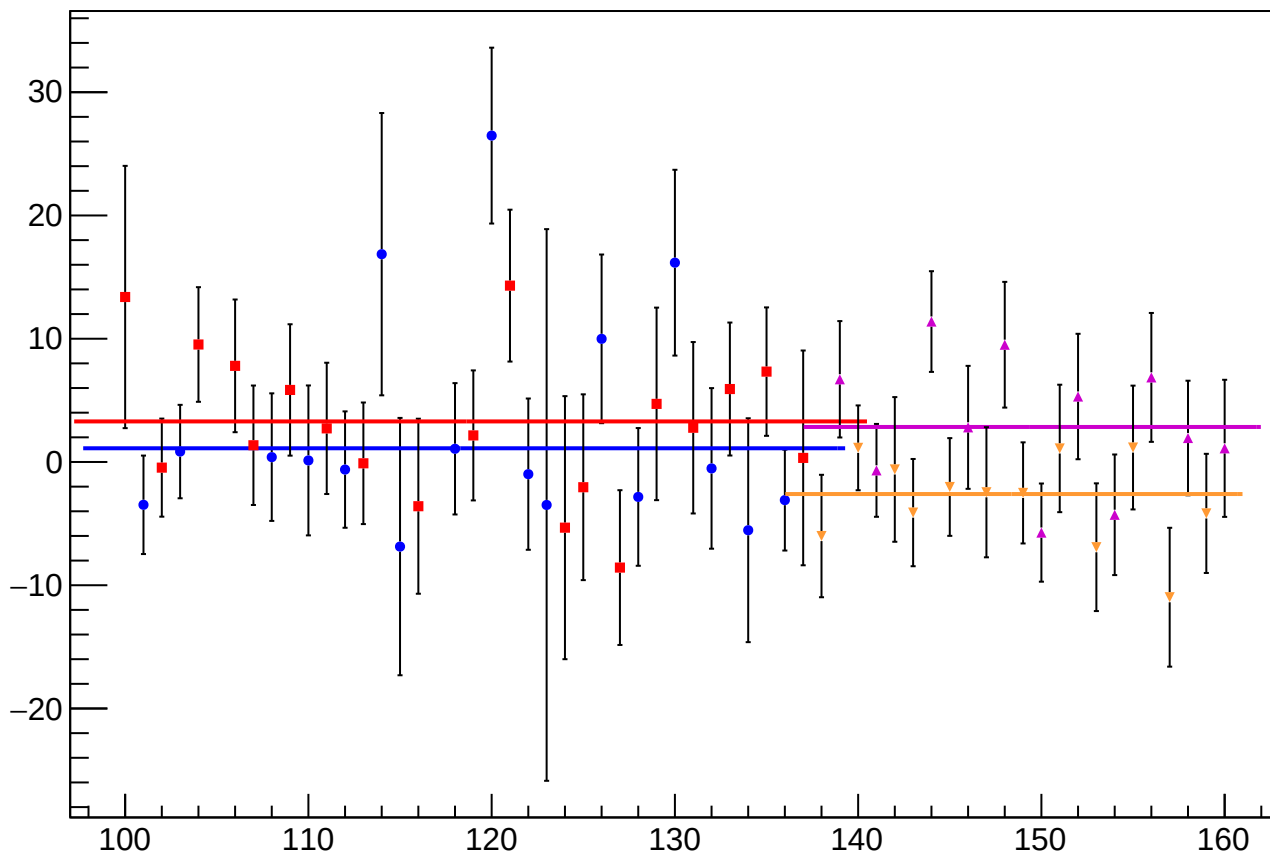
Left In: 5808.319 $\pm$ 1.381 χ^2/NDF : 222138.1/10

6578.256 $\pm$ 1.244 χ^2/NDF : 3007393.3/28

6644.275 $\pm$ 0.883 χ^2/NDF : 6427582.0/58

6711.306 $\pm$ 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: -2.601 ± 1.343 χ^2/NDF : 6.0/11

Right Out: 3.290 ± 1.334 χ^2/NDF : 15.1/18

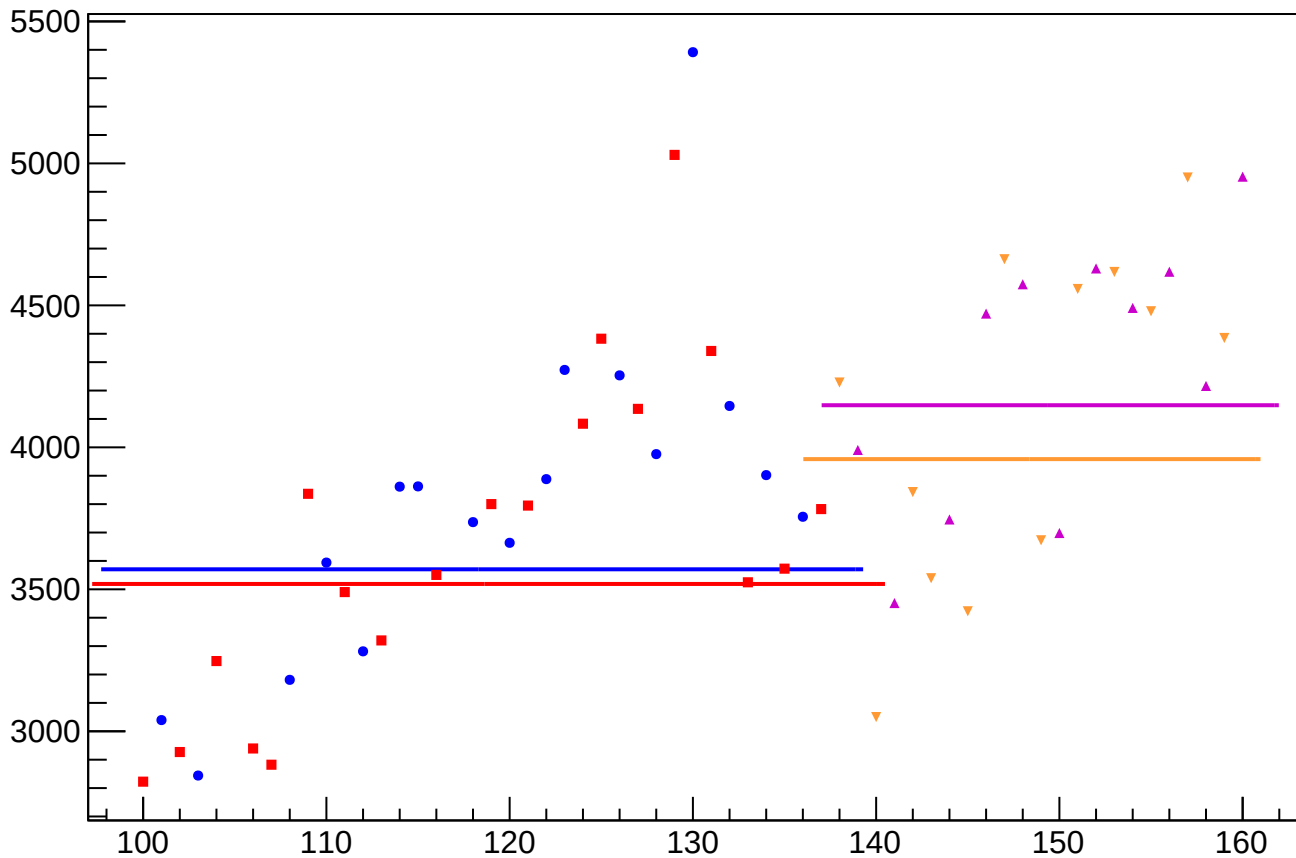
Left In: 2.841 ± 1.397 χ^2/NDF : 15.4/10

-0.825 ± 0.970 χ^2/NDF : 34.3/28

1.137 ± 0.684 χ^2/NDF : 72.9/58

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: 3958.555+/-0.950 χ^2/NDF : 404789.8/11

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

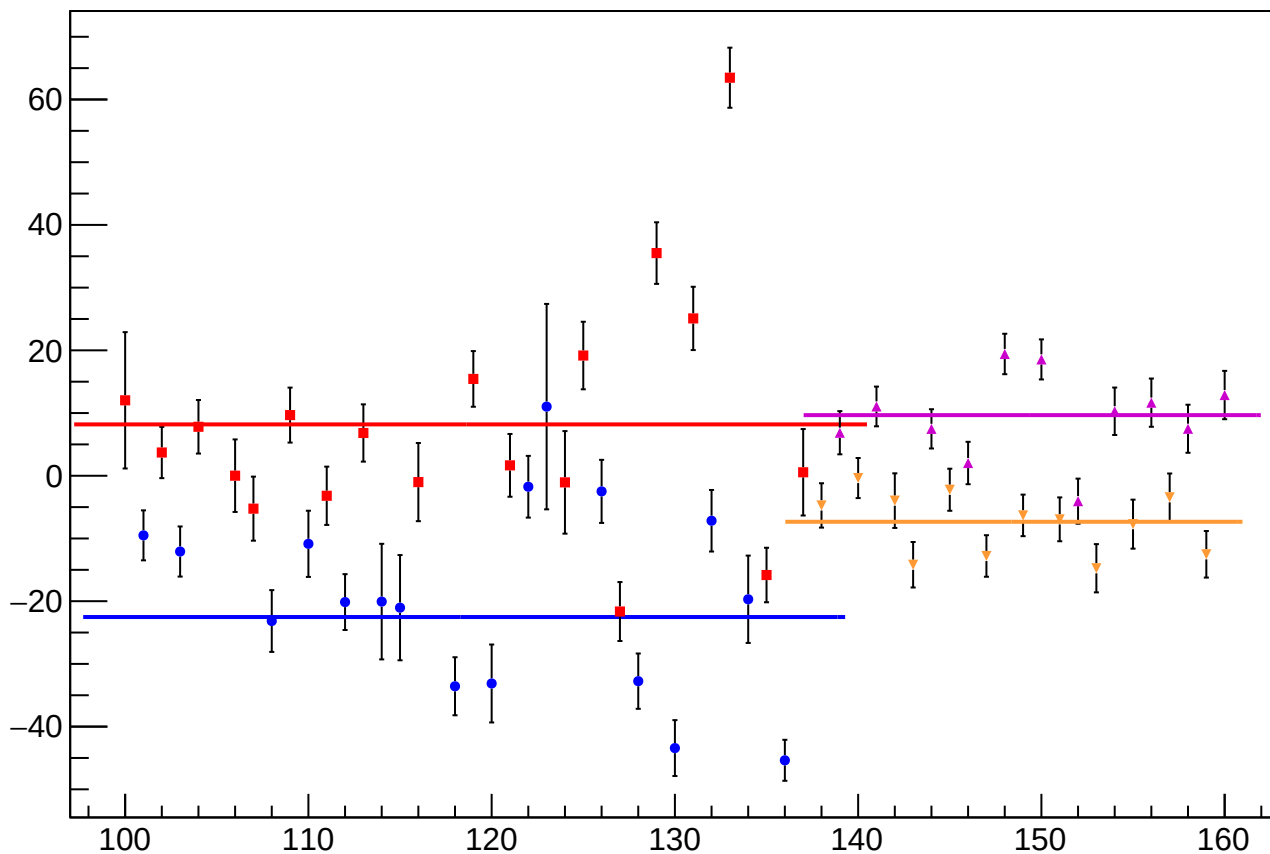
Left In: 4148.320+/-0.988 χ^2/NDF : 224117.2/10

3772.965+/-0.686 χ^2/NDF : 794348.4/28

3796.132+/-0.484 χ^2/NDF : 1526578.2/58

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: -7.338 ± 1.034 χ^2/NDF : 21.3/11

Right Out: 8.192 ± 1.157 χ^2/NDF : 275.8/18

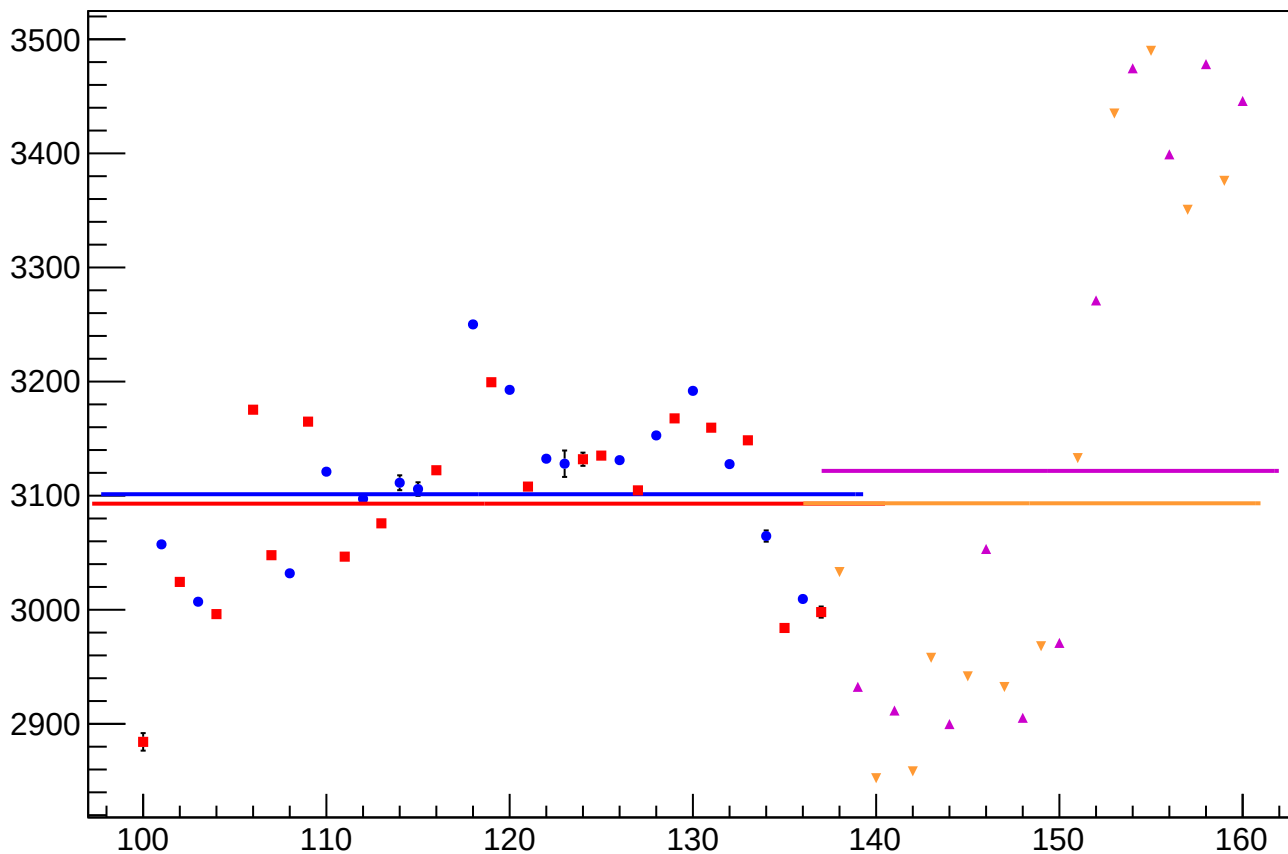
Left In: 9.668 ± 1.044 χ^2/NDF : 39.2/10

-13.809 ± 0.784 χ^2/NDF : 268.7/28

-2.274 ± 0.551 χ^2/NDF : 1013.2/58

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: 3093.320 ± 0.731 $\chi^2/\text{NDF}: 89655.6/11$

Right Out: 3092.993 ± 0.818 $\chi^2/\text{NDF}: 7766.0/18$

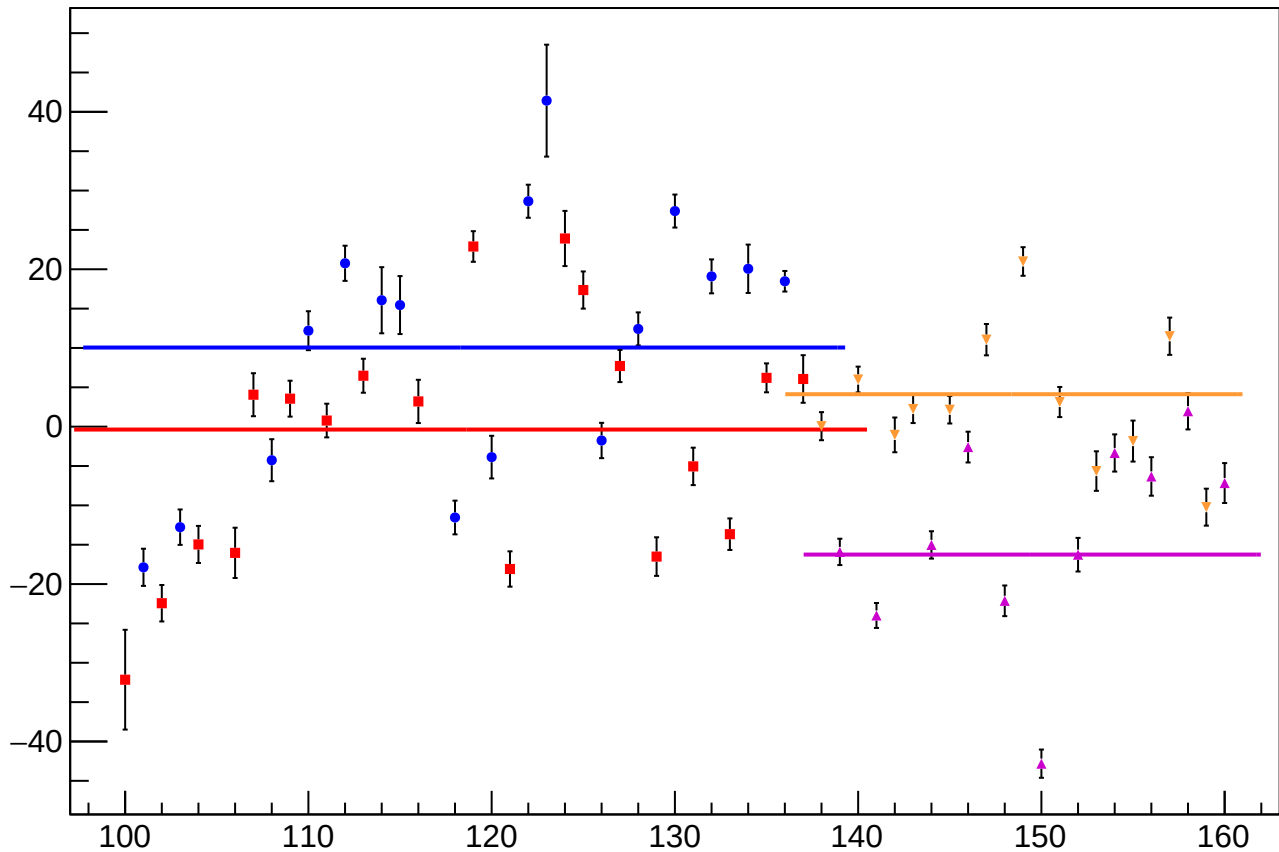
Left In: 3121.724 ± 0.738 $\chi^2/\text{NDF}: 101909.4/10$

3096.707 ± 0.554 $\chi^2/\text{NDF}: 96939.7/28$

3102.838 ± 0.390 $\chi^2/\text{NDF}: 207537.3/58$

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: 4.123 ± 0.575 χ^2/NDF : 180.3/11

Right Out: -0.367 ± 0.547 χ^2/NDF : 629.8/18

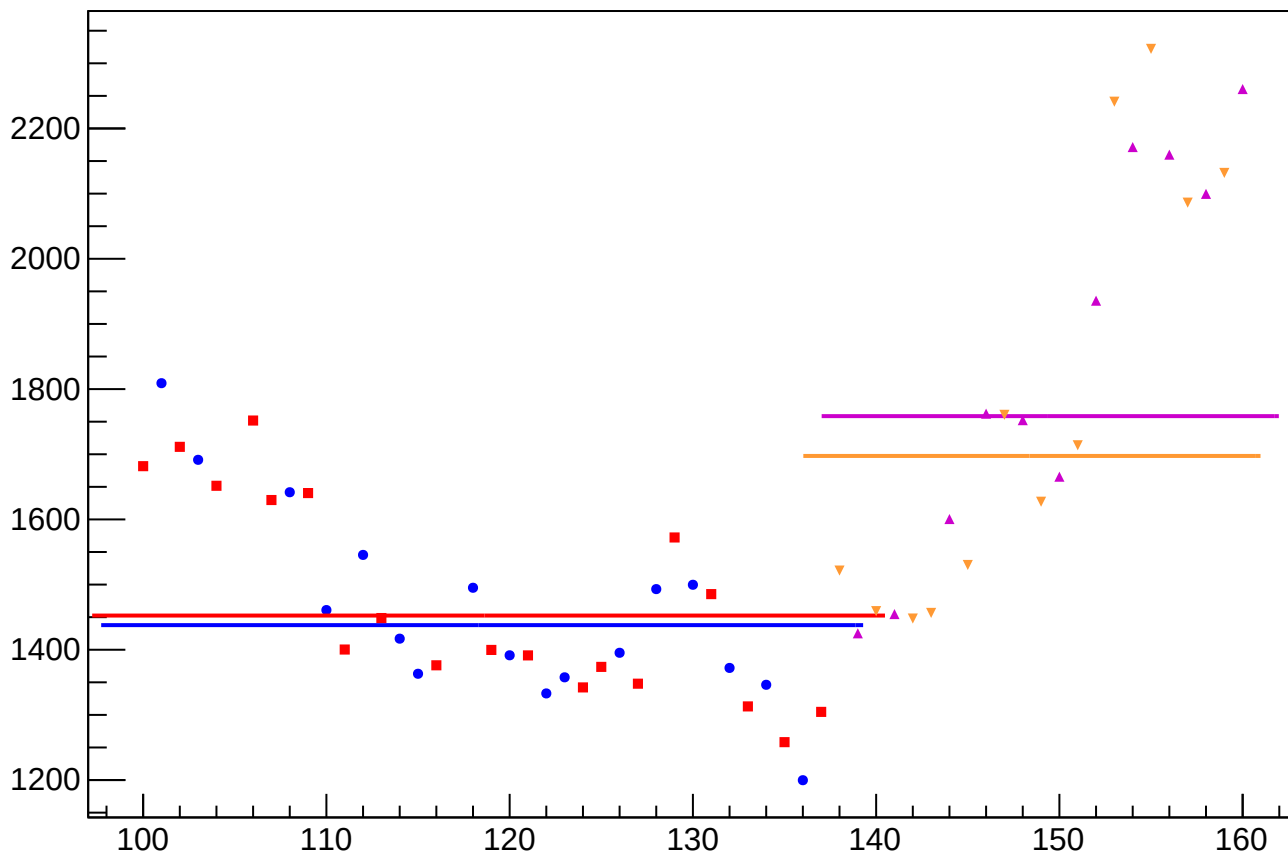
Left In: -16.252 ± 0.595 χ^2/NDF : 422.2/10

7.158 ± 0.402 χ^2/NDF : 927.0/28

-0.229 ± 0.284 χ^2/NDF : 3043.4/58

-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: 1697.424 $\pm$ 0.406 χ^2 /NDF: 478168.3/11

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

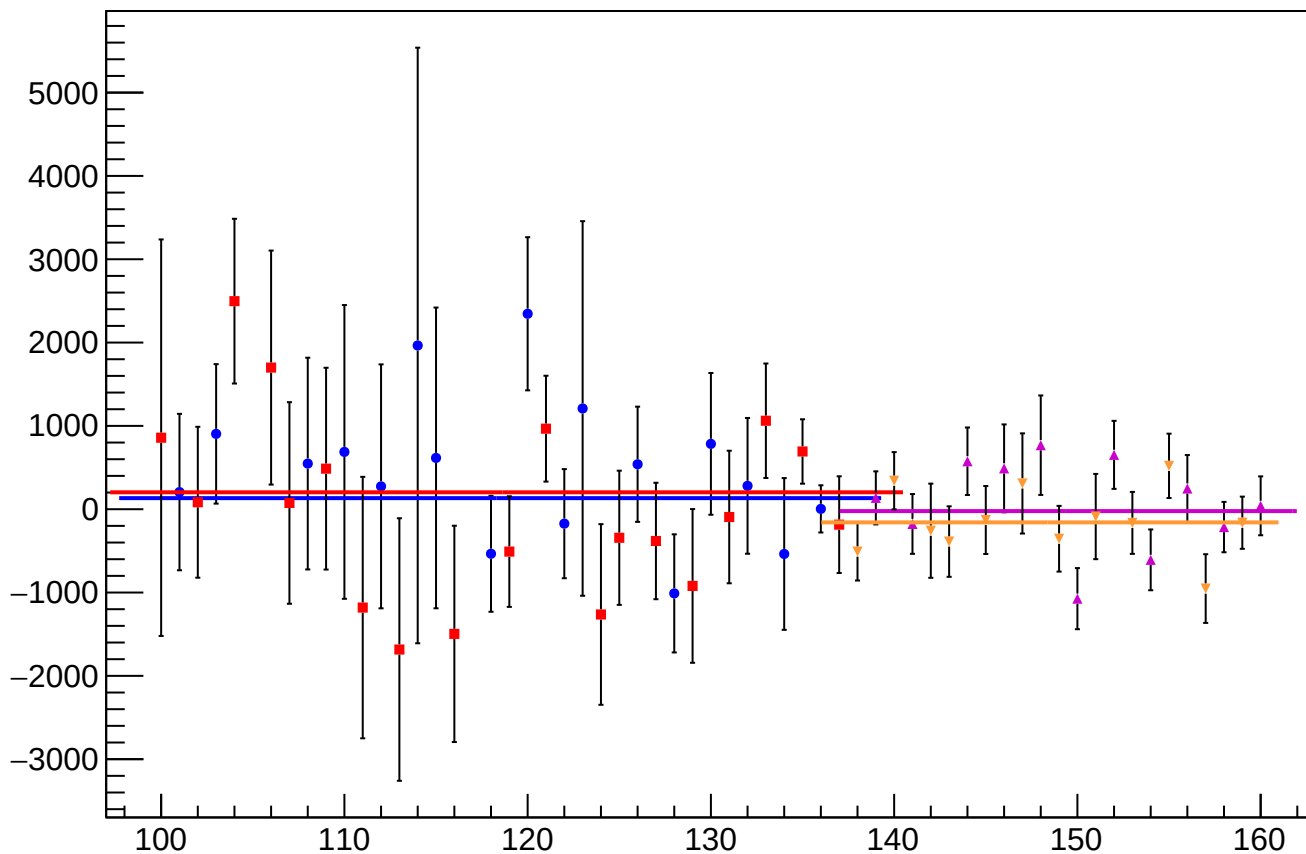
Left In: 1758.520 $\pm$ 0.420 χ^2 /NDF: 425158.8/10

1564.596 $\pm$ 0.284 χ^2 /NDF: 860157.6/28

1578.648 $\pm$ 0.201 χ^2 /NDF: 1715800.0/58

1592.761 $\pm$ 0.285 χ^2 /NDF: 850737.1/29

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 ± 180.271 χ^2/NDF : 12.9/16

Left Out: -158.138 ± 115.806 χ^2/NDF : 11.2/11

Right Out: 203.062 ± 184.353 χ^2/NDF : 21.4/18

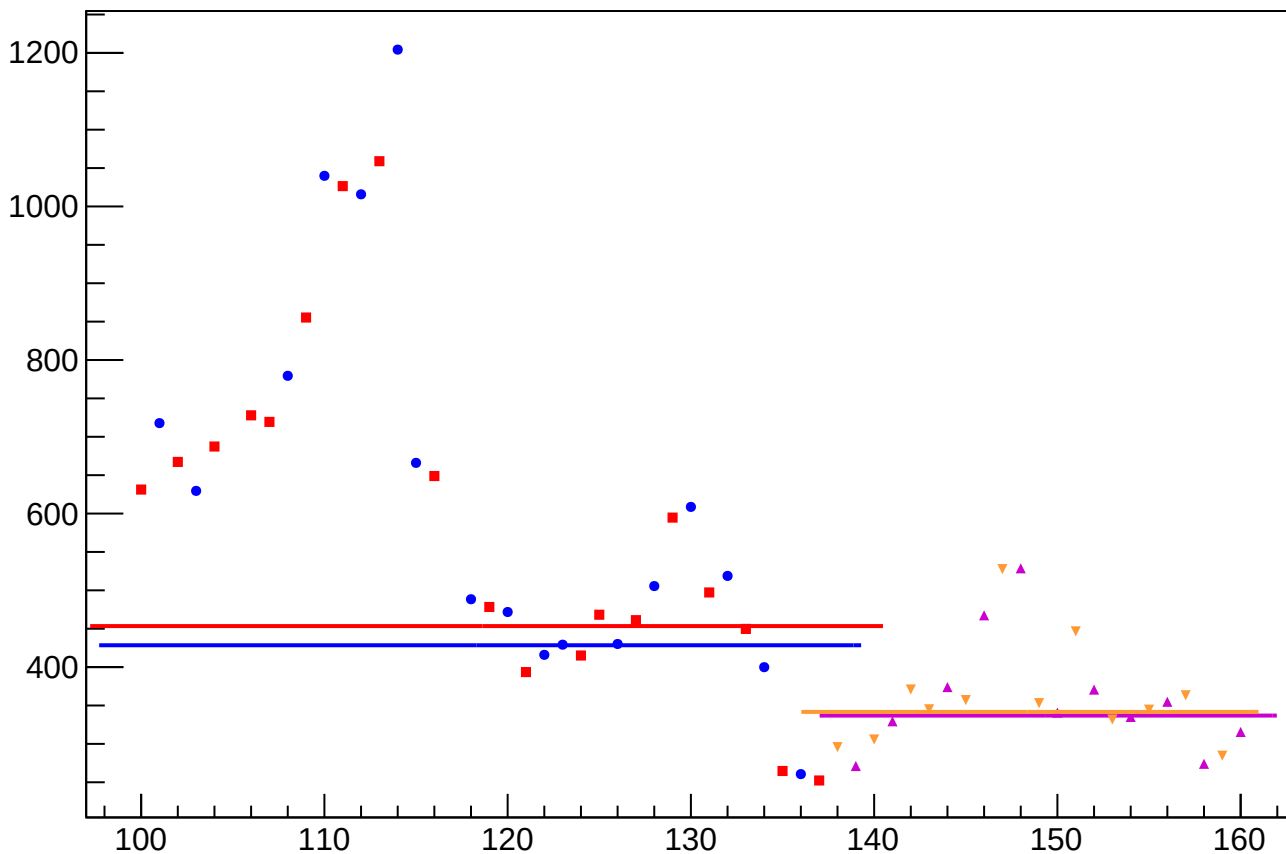
Left In: -22.518 ± 114.526 χ^2/NDF : 19.7/10

-73.112 ± 97.434 χ^2/NDF : 25.9/28

-16.319 ± 68.842 χ^2/NDF : 68.8/58

40.297 ± 97.282 χ^2/NDF : 42.2/29

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 +/- 0.127 χ^2/NDF : 2011453.8/16

Left Out: 341.649 +/- 0.082 χ^2/NDF : 415816.6/11

Right Out: 453.435 +/- 0.130 χ^2/NDF : 2029813.8/18

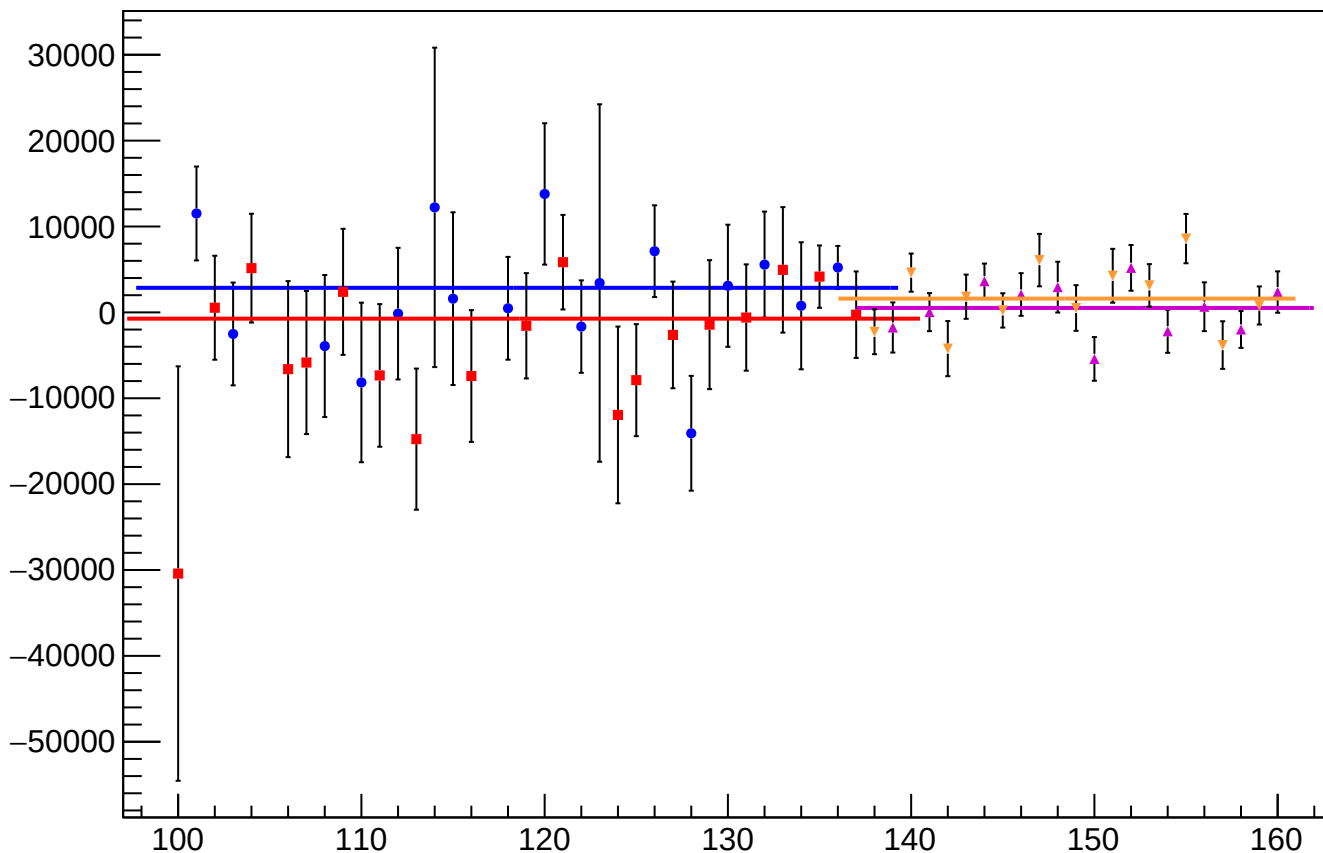
Left In: 336.876 +/- 0.081 χ^2/NDF : 543632.7/10

367.009 +/- 0.069 χ^2/NDF : 2755583.8/28

368.173 +/- 0.049 χ^2/NDF : 5906477.9/58

369.333 +/- 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: 1604.695 $\pm$ 741.984 χ^2/NDF : 21.1/11

Right Out: -729.571 $\pm$ 1509.224 χ^2/NDF : 14.0/18

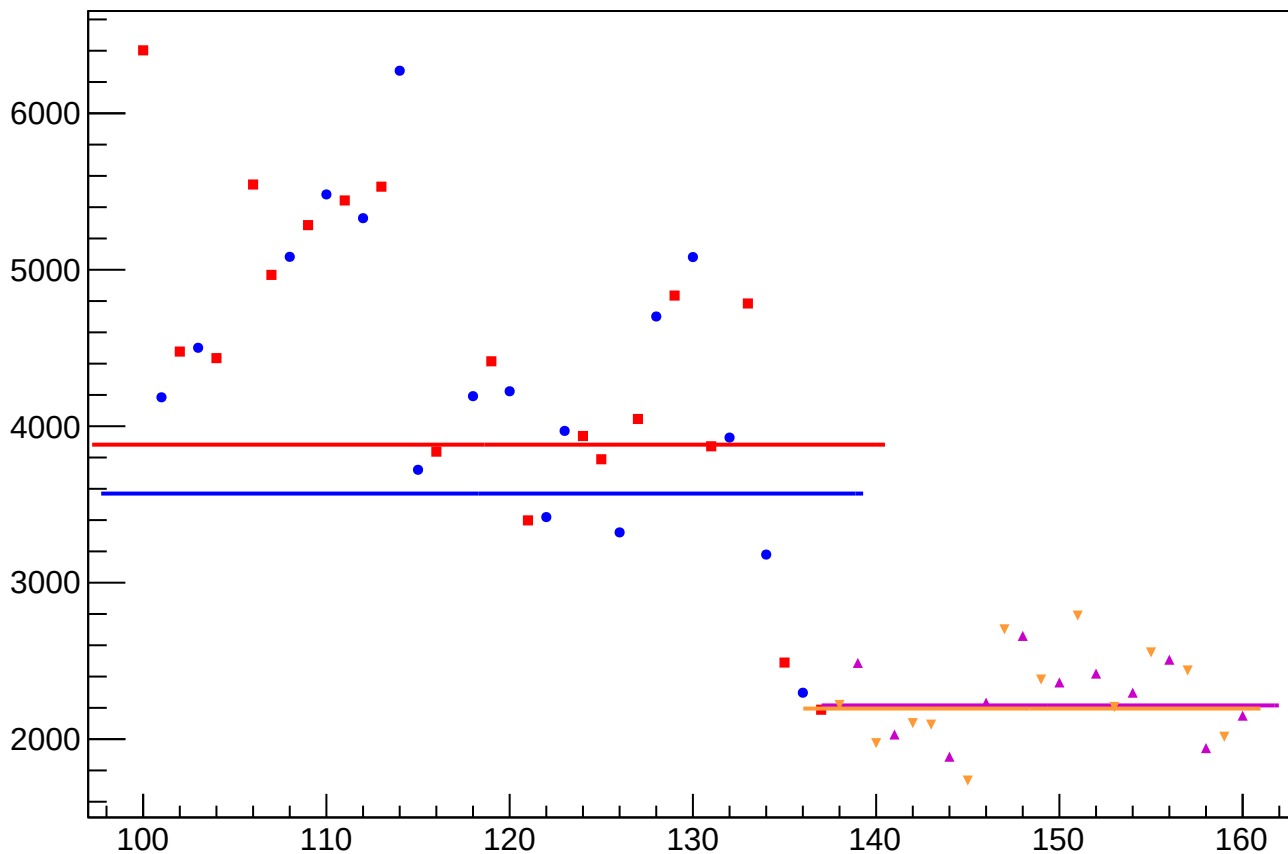
Left In: 515.955 $\pm$ 744.744 χ^2/NDF : 15.7/10

1865.712 $\pm$ 660.327 χ^2/NDF : 38.4/28

1077.919 $\pm$ 469.561 χ^2/NDF : 71.5/58

272.054 $\pm$ 667.857 χ^2/NDF : 30.2/29

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 ± 1.024 $\chi^2/\text{NDF}: 1087935.4/16$

Left Out: 2195.455 ± 0.525 $\chi^2/\text{NDF}: 327370.6/11$

Right Out: 3882.169 ± 1.067 $\chi^2/\text{NDF}: 983087.5/18$

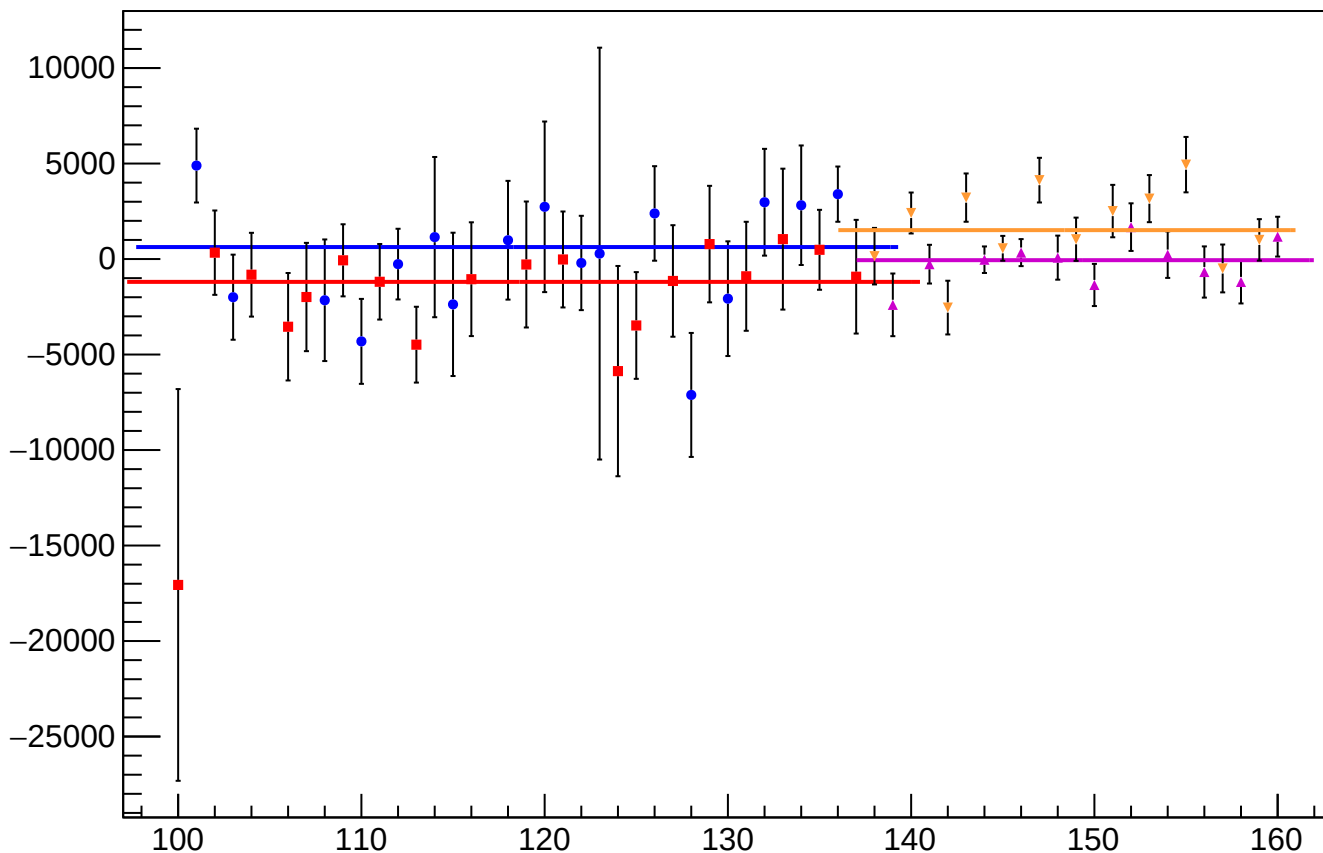
Left In: 2215.452 ± 0.527 $\chi^2/\text{NDF}: 203044.5/10$

2481.275 ± 0.467 $\chi^2/\text{NDF}: 2842148.5/28$

2511.210 ± 0.332 $\chi^2/\text{NDF}: 5998140.7/58$

2541.831 ± 0.472 $\chi^2/\text{NDF}: 3147677.8/29$

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 $\pm$ 620.929 χ^2/NDF : 25.1/16

Left Out: 1513.006 $\pm$ 324.735 χ^2/NDF : 29.7/11

Right Out: -1195.385 $\pm$ 603.058 χ^2/NDF : 9.9/18

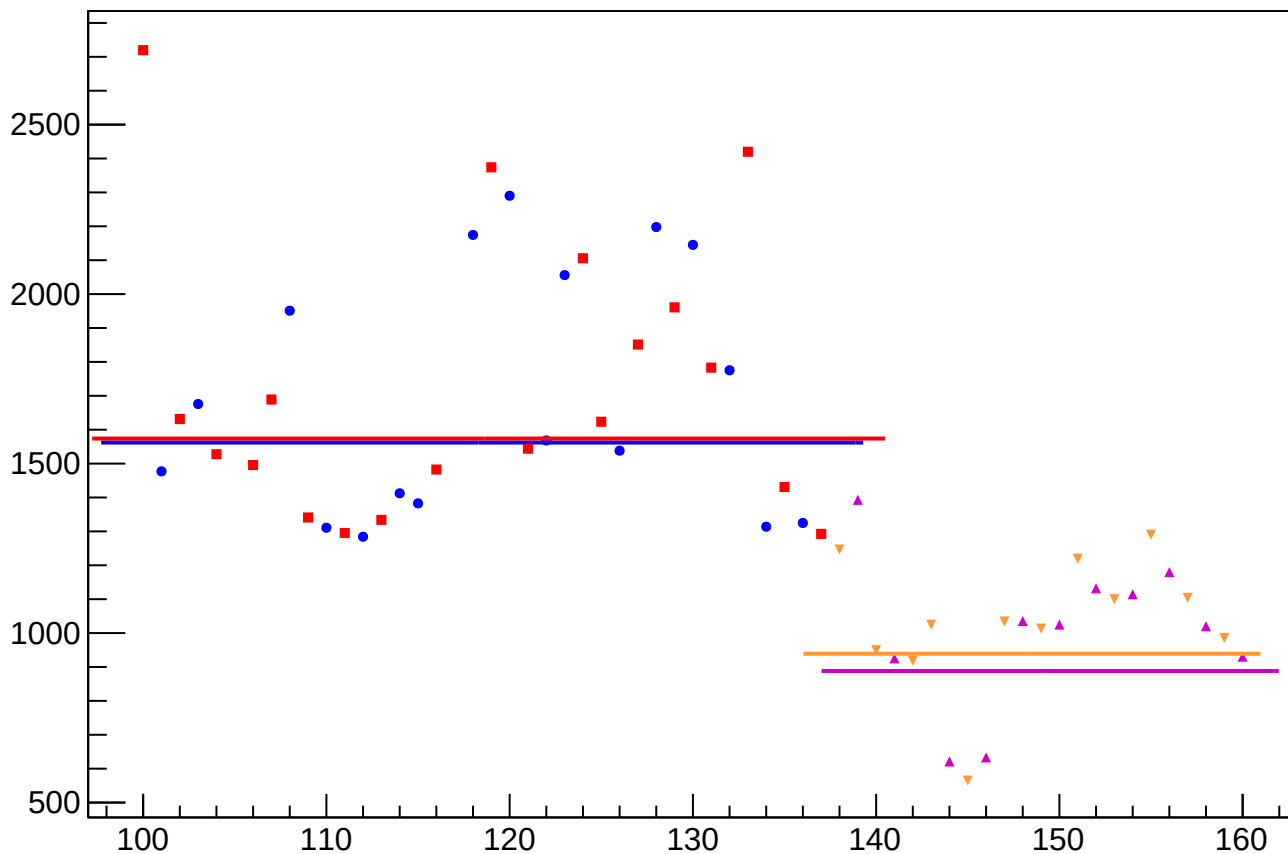
Left In: -59.366 $\pm$ 307.583 χ^2/NDF : 8.4/10

1322.860 $\pm$ 287.759 χ^2/NDF : 56.4/28

474.919 $\pm$ 198.433 χ^2/NDF : 94.0/58

-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: 939.051 ± 0.230 $\chi^2/\text{NDF}: 1053948.7/11$

Right Out: 1573.906 ± 0.426 $\chi^2/\text{NDF}: 463991.4/18$

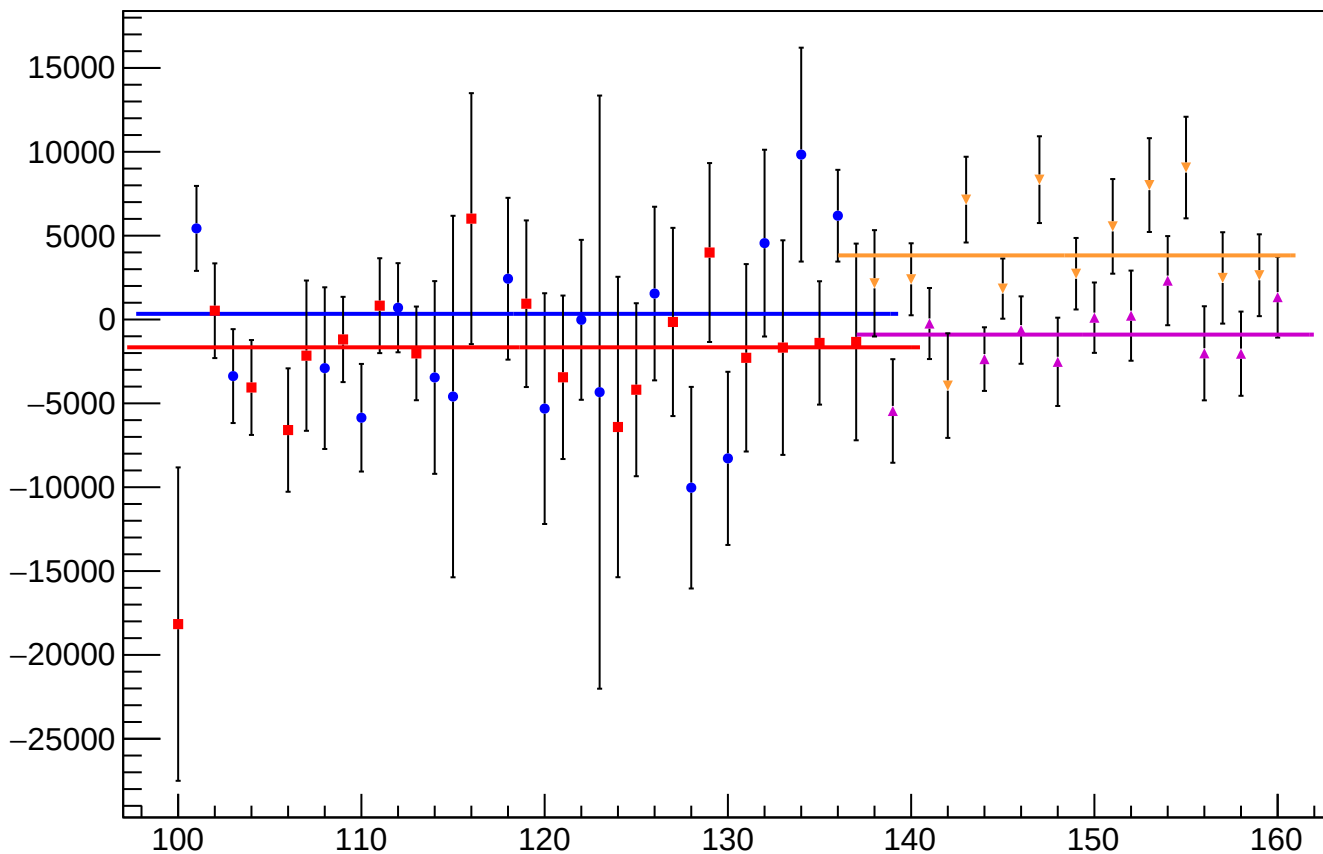
Left In: 888.218 ± 0.217 $\chi^2/\text{NDF}: 1081362.3/10$

1072.863 ± 0.203 $\chi^2/\text{NDF}: 3117246.0/28$

1050.261 ± 0.140 $\chi^2/\text{NDF}: 6737983.9/58$

1029.769 ± 0.194 $\chi^2/\text{NDF}: 3597212.7/29$

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2/NDF : 24.8/16

Left Out: 3823.095 $\pm$ 722.231 χ^2/NDF : 19.2/11

Right Out: -1658.069 $\pm$ 924.453 χ^2/NDF : 10.3/18

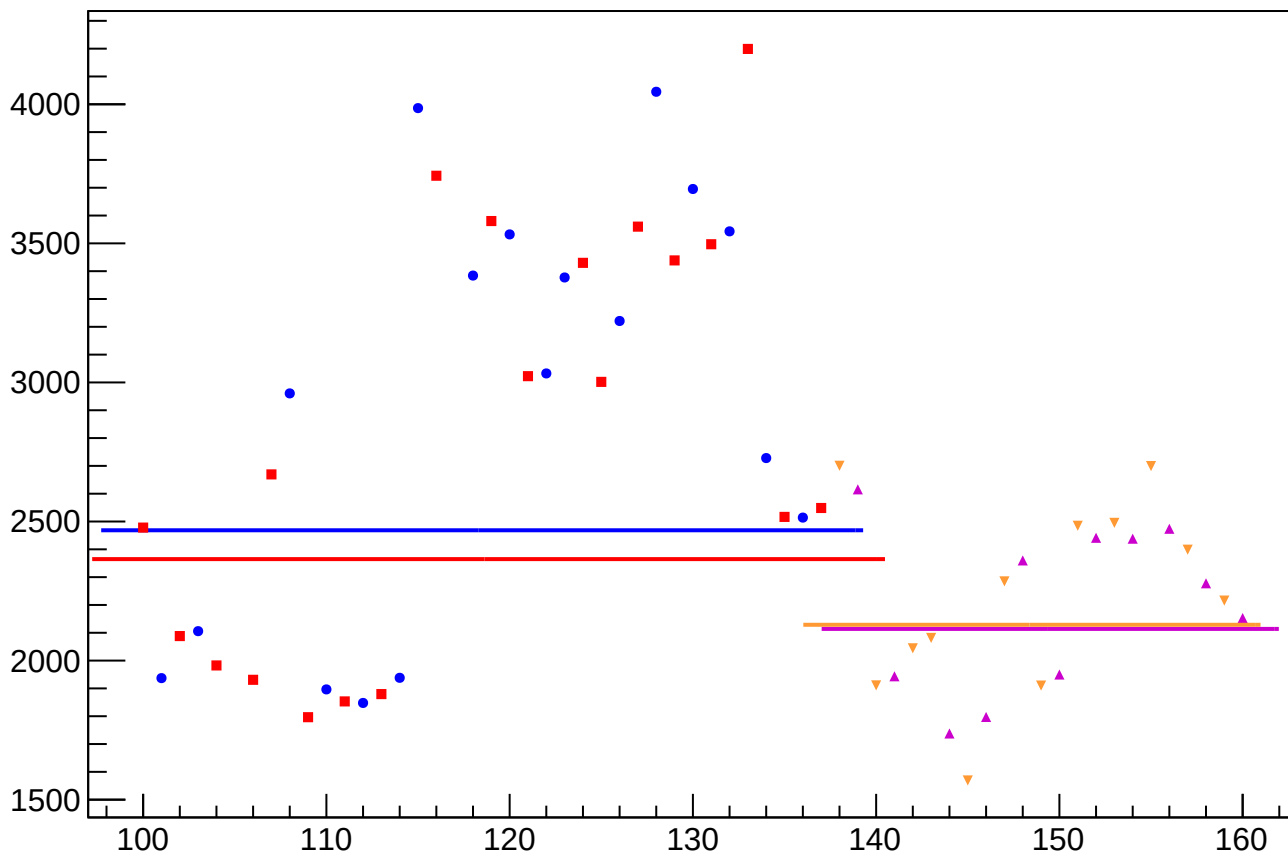
Left In: -900.182 $\pm$ 713.950 χ^2/NDF : 6.4/10

2621.877 $\pm$ 584.657 χ^2/NDF : 52.0/28

654.417 $\pm$ 406.308 χ^2/NDF : 91.0/58

-1183.333 $\pm$ 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: 2128.747 $\pm$ 0.511 χ^2/NDF : 469737.7/11

Right Out: 2364.833 $\pm$ 0.654 χ^2/NDF : 1025161.0/18

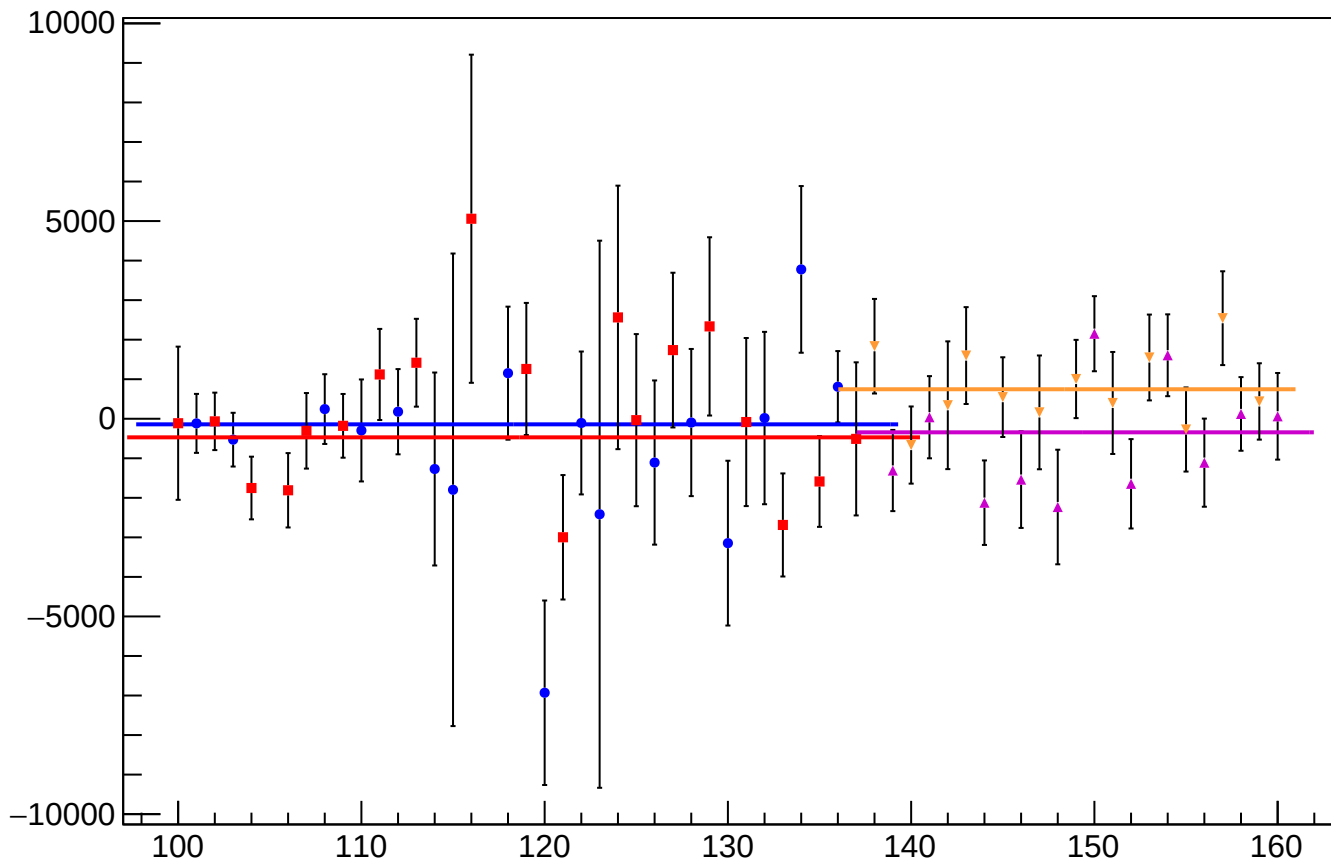
Left In: 2113.889 $\pm$ 0.505 χ^2/NDF : 325061.6/10

2245.850 $\pm$ 0.413 χ^2/NDF : 1518436.6/28

2226.096 $\pm$ 0.287 χ^2/NDF : 2965388.6/58

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: 745.898+/-326.113 χ^2/NDF : 7.7/11

Right Out: -470.143+/-282.892 χ^2/NDF : 22.9/18

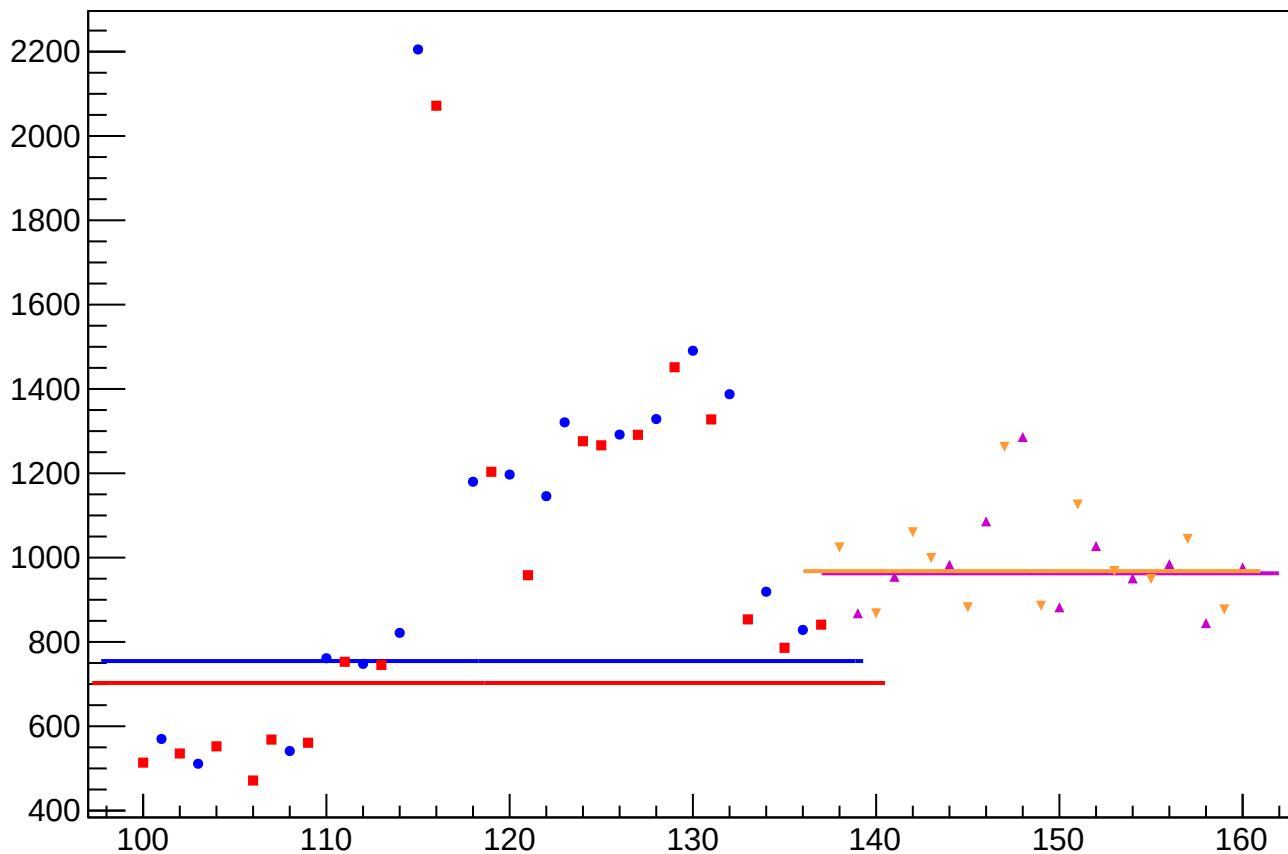
Left In: -343.209+/-324.241 χ^2/NDF : 19.1/10

284.600+/-225.937 χ^2/NDF : 28.5/28

-85.682+/-155.049 χ^2/NDF : 75.6/58

-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: 967.901 $\pm$ 0.231 χ^2 /NDF: 202073.3/11

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

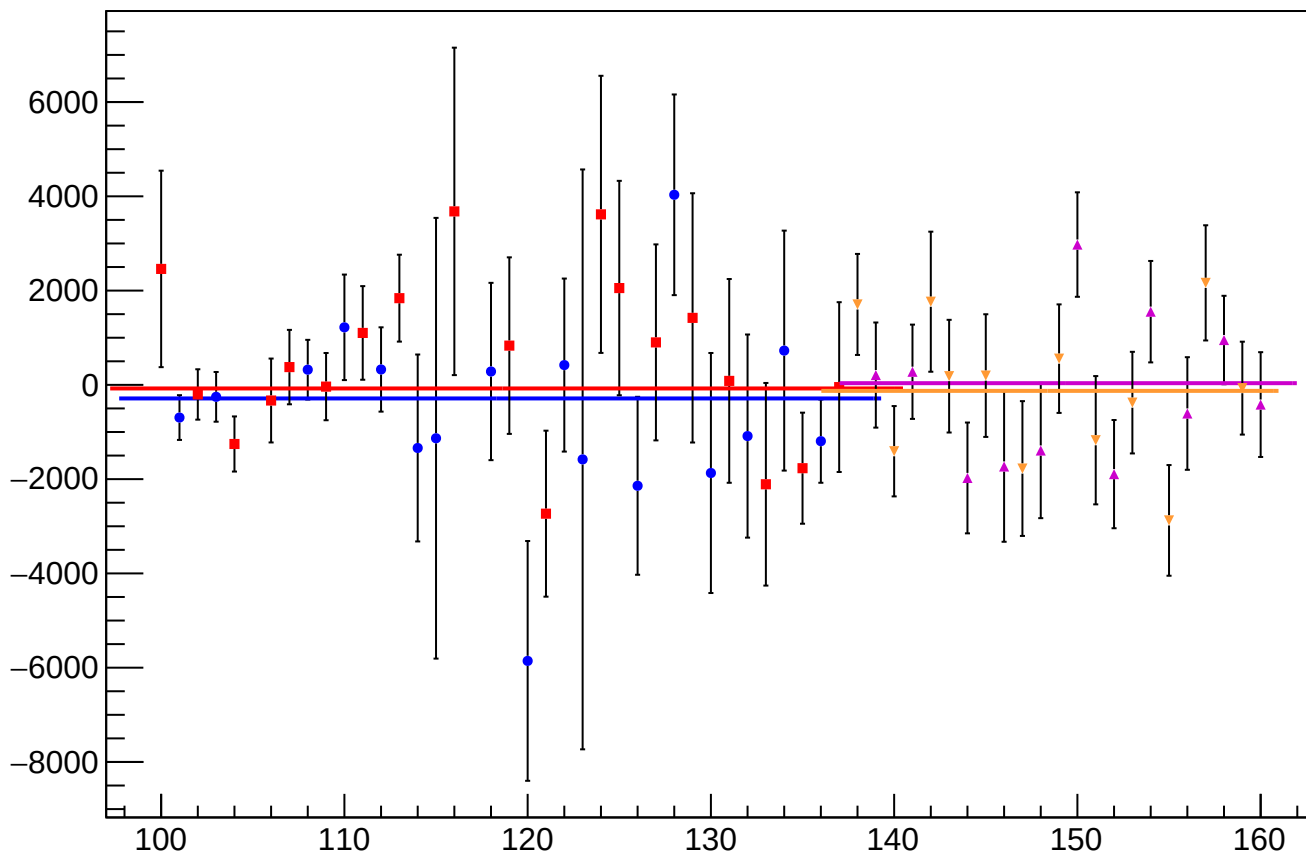
Left In: 962.782 $\pm$ 0.229 χ^2 /NDF: 192233.0/10

857.028 $\pm$ 0.160 χ^2 /NDF: 2337264.9/28

834.857 $\pm$ 0.110 χ^2 /NDF: 4988020.4/58

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: -127.473±/337.633 χ^2/NDF : 17.8/11

Right Out: -76.119±/246.083 χ^2/NDF : 21.4/18

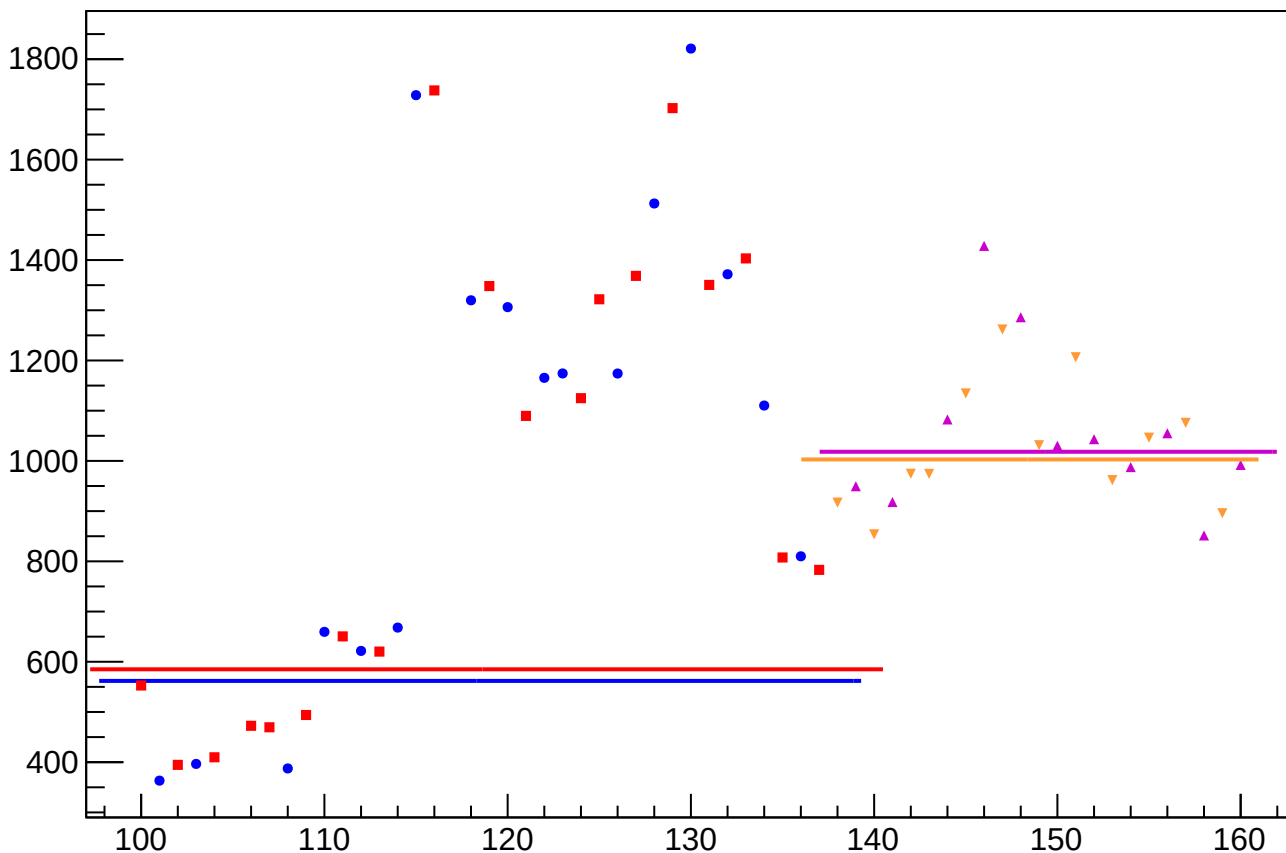
Left In: 35.940±/343.242 χ^2/NDF : 18.5/10

-231.051±/201.143 χ^2/NDF : 34.1/28

-134.011±/141.822 χ^2/NDF : 74.5/58

-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: 1002.881 $\pm$ 0.239 χ^2/NDF : 231536.9/11

Right Out: 584.993 $\pm$ 0.174 χ^2/NDF : 2824449.5/18

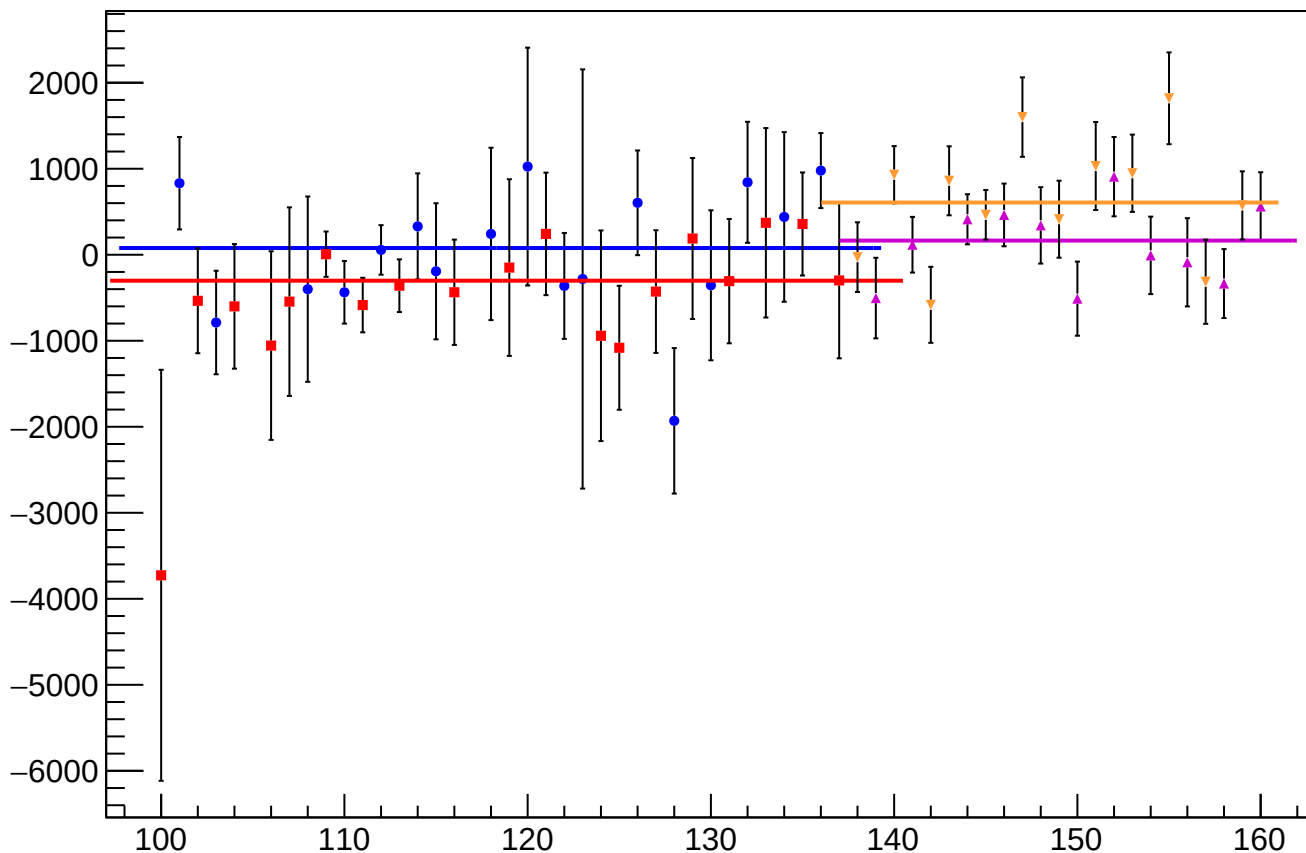
Left In: 1018.203 $\pm$ 0.243 χ^2/NDF : 304005.1/10

718.405 $\pm$ 0.142 χ^2/NDF : 5649142.8/28

725.275 $\pm$ 0.100 χ^2/NDF : 10886505.5/58

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: 607.176 ± 118.670 χ^2/NDF : 26.1/11

Right Out: -301.651 ± 129.650 χ^2/NDF : 9.1/18

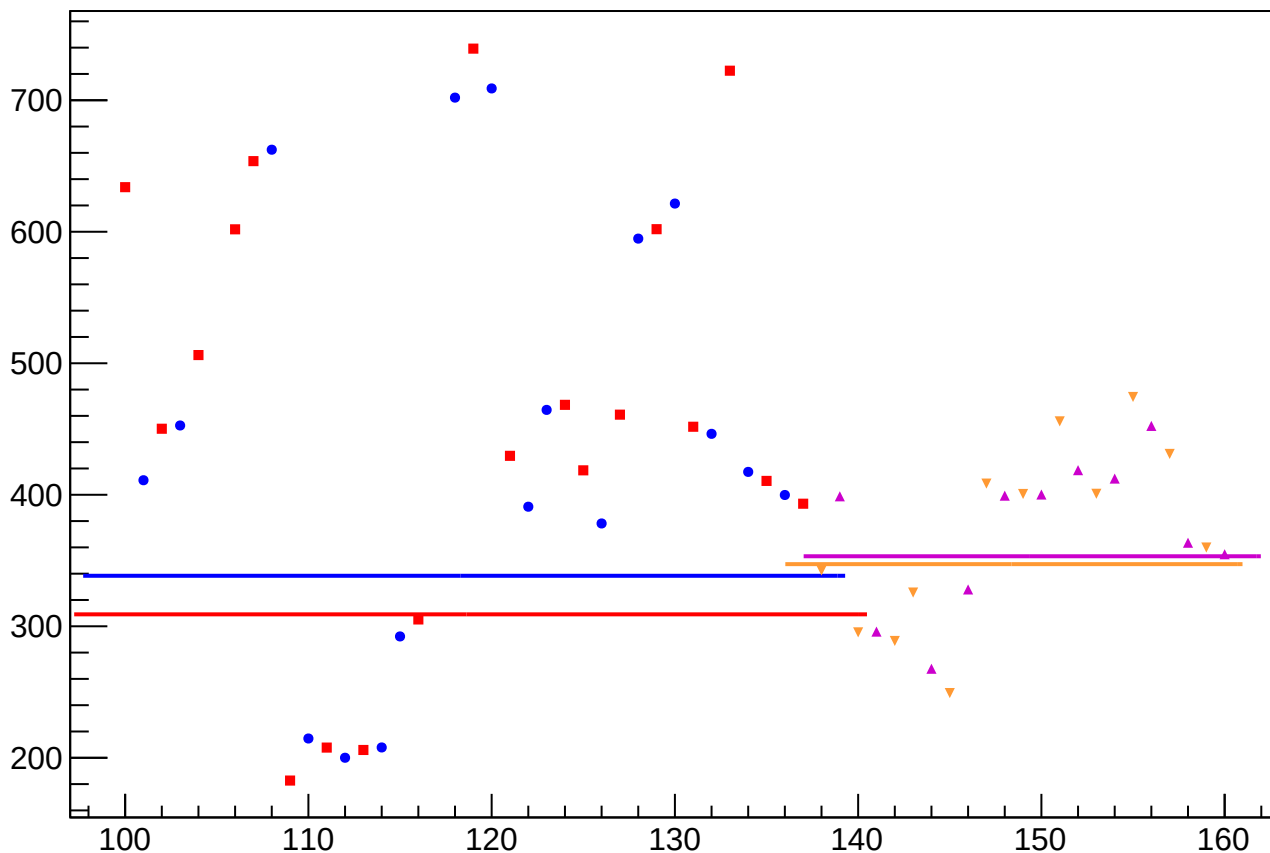
Left In: 164.795 ± 119.634 χ^2/NDF : 11.6/10

391.211 ± 91.286 χ^2/NDF : 54.0/28

162.471 ± 63.326 χ^2/NDF : 93.7/58

-49.718 ± 87.922 χ^2/NDF : 27.7/29

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2/NDF : 2009287.1/16

Left Out: 347.255 $\pm$ 0.084 χ^2/NDF : 677071.7/11

Right Out: 309.081 $\pm$ 0.092 χ^2/NDF : 2733465.5/18

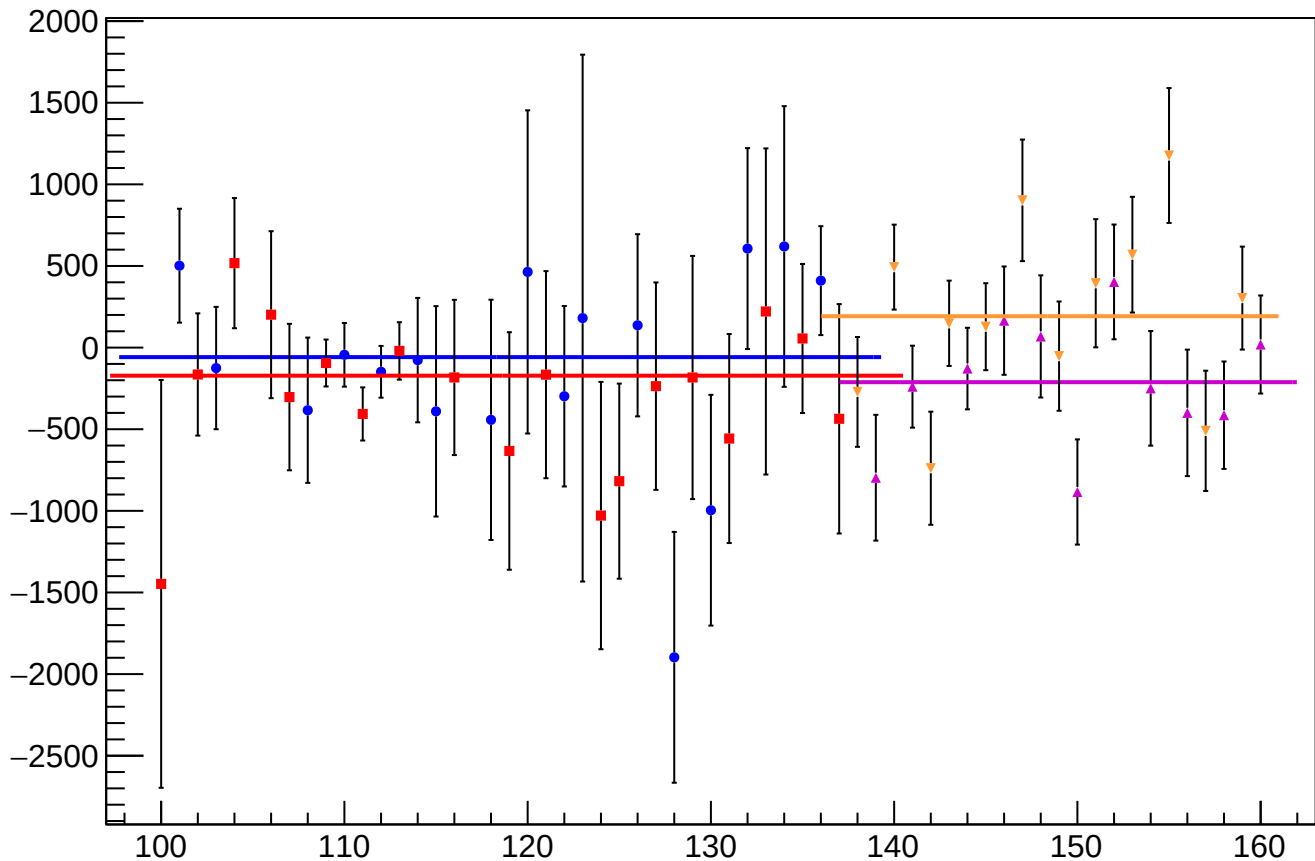
Left In: 353.249 $\pm$ 0.085 χ^2/NDF : 459584.4/10

343.643 $\pm$ 0.065 χ^2/NDF : 2690897.2/28

338.089 $\pm$ 0.045 χ^2/NDF : 6023587.6/58

332.937 $\pm$ 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: 192.276 ± 93.430 χ^2/NDF : 25.5/11

Right Out: -171.954 ± 76.920 χ^2/NDF : 11.3/18

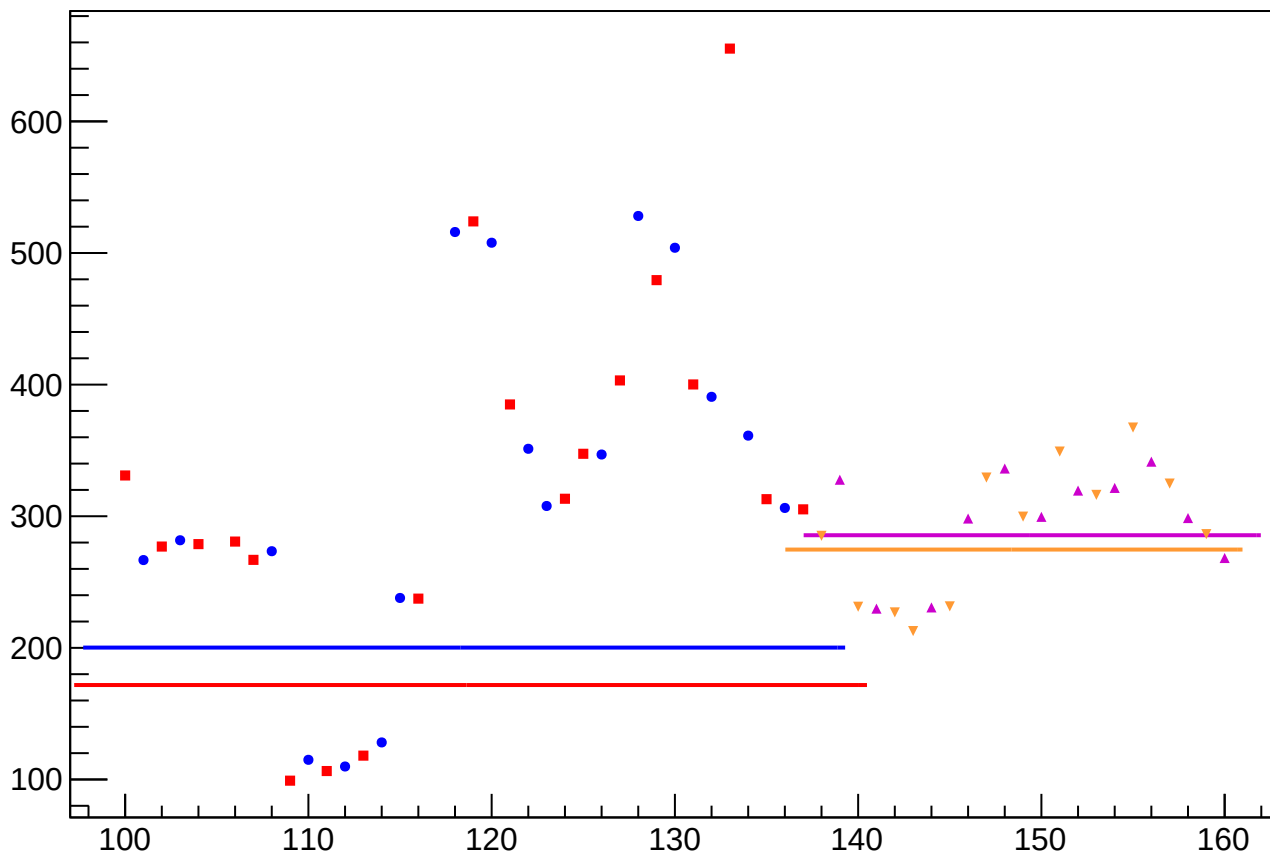
Left In: -211.762 ± 96.365 χ^2/NDF : 12.9/10

62.977 ± 64.998 χ^2/NDF : 45.1/28

-71.991 ± 44.134 χ^2/NDF : 77.5/58

-187.447 ± 60.117 χ^2/NDF : 24.4/29

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2 /NDF: 3387197.7/16

Left Out: 274.683 $\pm$ 0.066 χ^2 /NDF: 554866.4/11

Right Out: 171.757 $\pm$ 0.054 χ^2 /NDF: 4093922.6/18

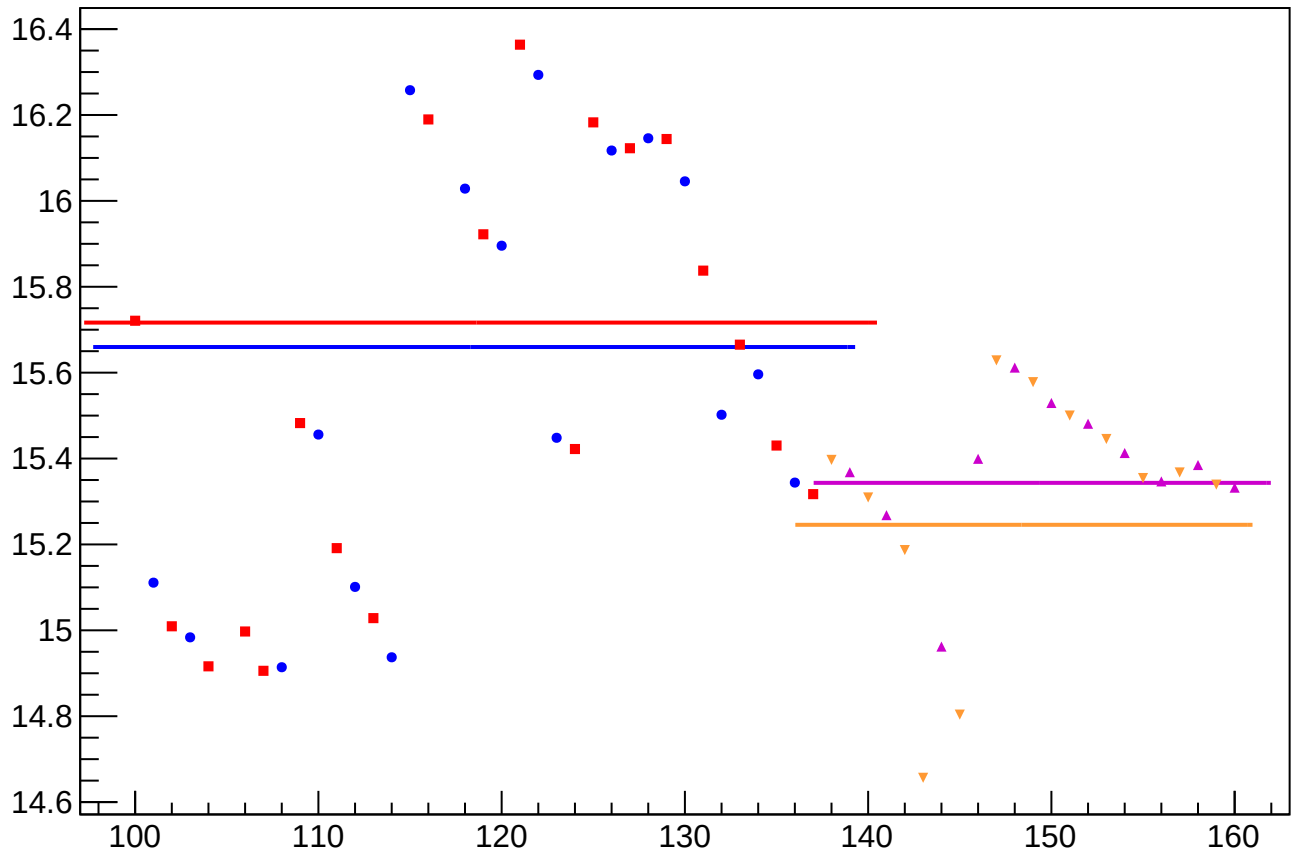
Left In: 285.572 $\pm$ 0.068 χ^2 /NDF: 353522.2/10

236.253 $\pm$ 0.046 χ^2 /NDF: 4597804.1/28

225.365 $\pm$ 0.031 χ^2 /NDF: 10853509.9/58

216.052 $\pm$ 0.043 χ^2 /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: 15.246 $\pm$ 0.000 χ^2 /NDF: 6275958466.0/11

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

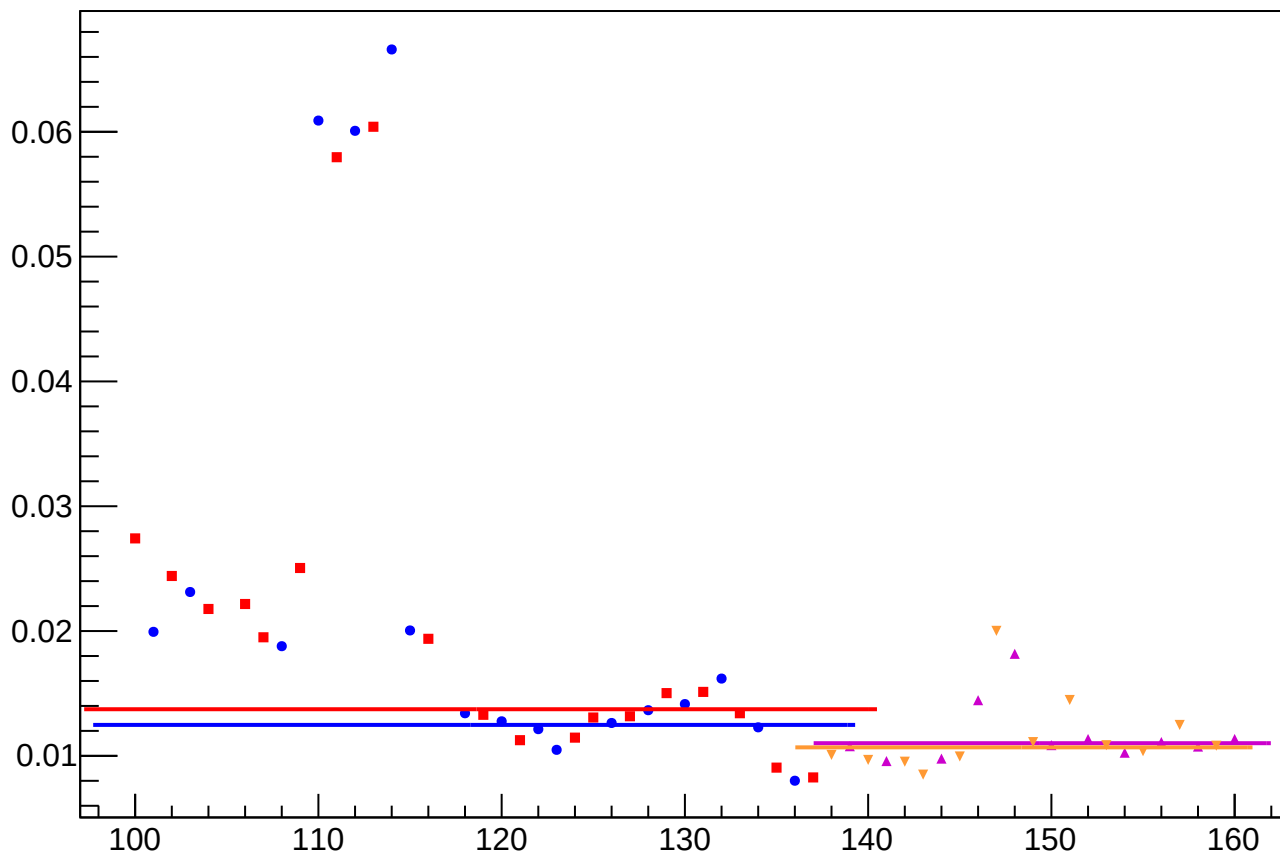
Left In: 15.343 $\pm$ 0.000 χ^2 /NDF: 1881613179.4/10

15.376 $\pm$ 0.000 χ^2 /NDF: 15939797826.7/28

15.414 $\pm$ 0.000 χ^2 /NDF: 26417041795.0/28

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: 582932.3/11

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

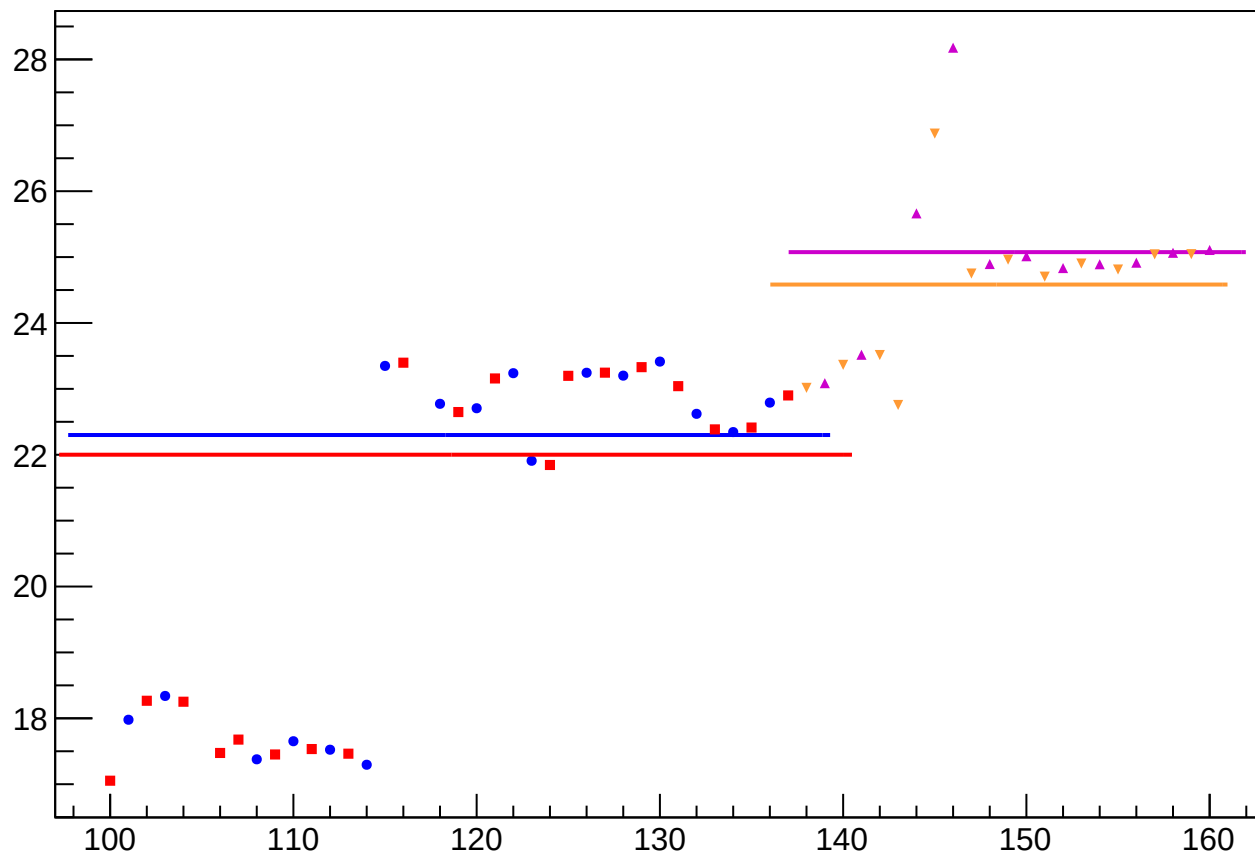
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 395053.9/10

0.011 $\pm$ 0.000 χ^2 /NDF: 2882508.3/28

0.012 $\pm$ 0.000 χ^2 /NDF: 5689172.9/58

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: 24.583+/-0.000 χ^2 /NDF: 843828075.2/11

Right Out: 22.001+/-0.000 χ^2 /NDF: 1066041325.5/18

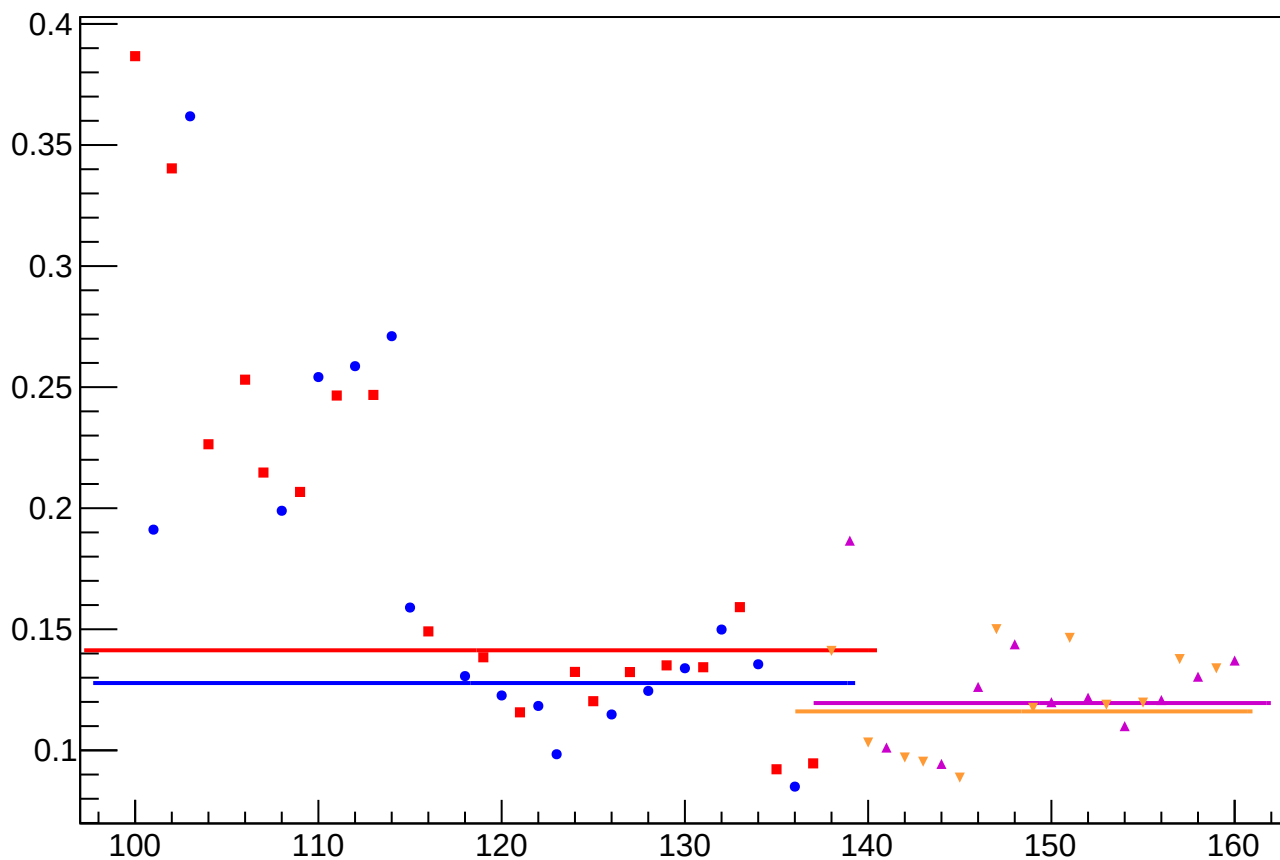
Left In: 25.075+/-0.000 χ^2 /NDF: 698094302.1/10

23.765+/-0.000 χ^2 /NDF: 2818339669.3/28

23.893+/-0.000 χ^2 /NDF: 6331822819.6/5

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 : 449479.7/11

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

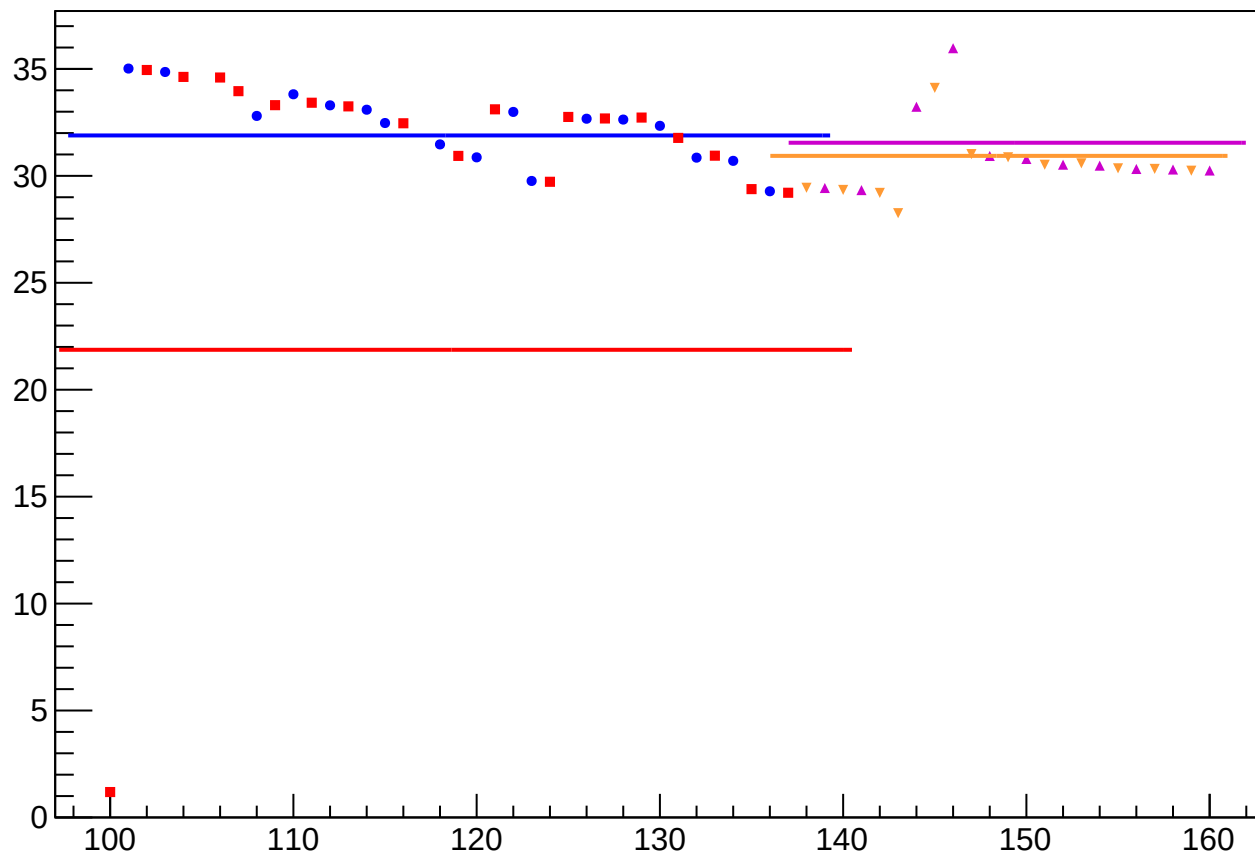
Left In: 0.120+/-0.000 χ^2/NDF : 423694.0/10

0.120+/-0.000 χ^2/NDF : 1996112.5/28

0.124+/-0.000 χ^2/NDF : 4078913.1/58

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: 30.935+/-0.000 χ^2/NDF : 4388134644.8/11

Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

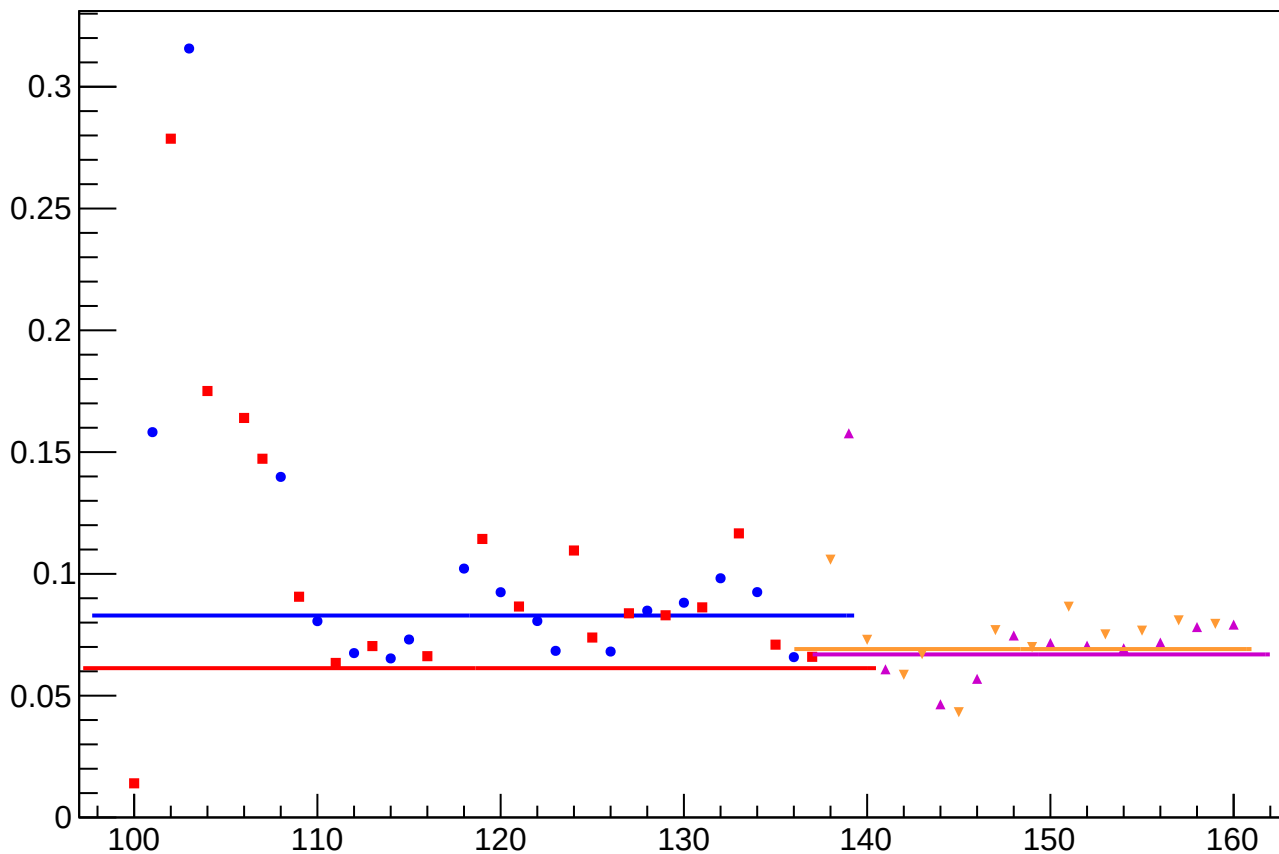
Left In: 31.548+/-0.000 χ^2/NDF : 6251955837.6/10

31.259+/-0.000 χ^2/NDF : 6747521822.6/28

29.206+/-0.000 χ^2/NDF : 317447858697.9

27.525+/-0.000 χ^2/NDF : 294623495777.7/29

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 ± 0.000 $\chi^2/\text{NDF}: 1164452.3/16$

Left Out: 0.069 ± 0.000 $\chi^2/\text{NDF}: 683343.6/11$

Right Out: 0.061 ± 0.000 $\chi^2/\text{NDF}: 3603853.3/18$

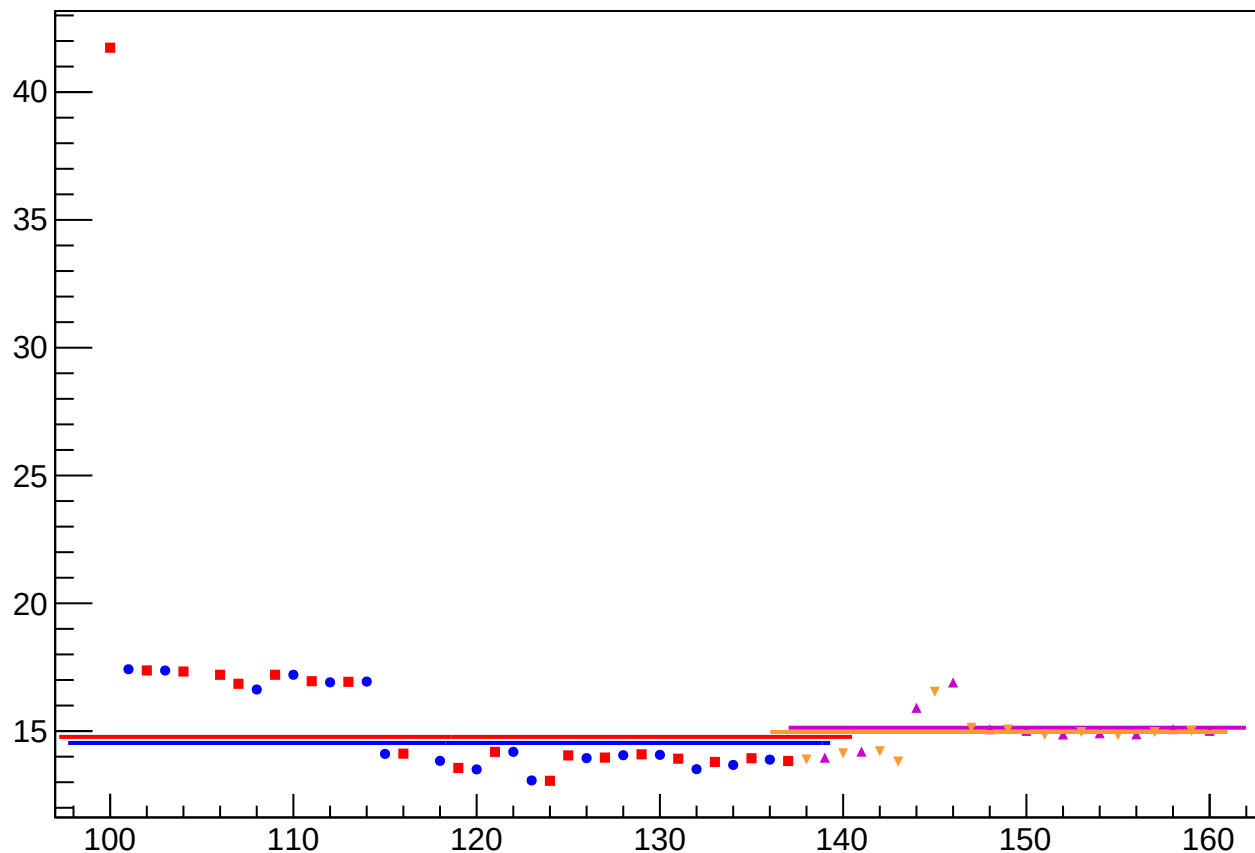
Left In: 0.067 ± 0.000 $\chi^2/\text{NDF}: 836663.8/10$

0.074 ± 0.000 $\chi^2/\text{NDF}: 2026068.8/28$

0.069 ± 0.000 $\chi^2/\text{NDF}: 6702656.2/58$

0.065 ± 0.000 $\chi^2/\text{NDF}: 4480144.2/29$

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.965+/-0.000 χ^2/NDF : 947226647.3/11

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

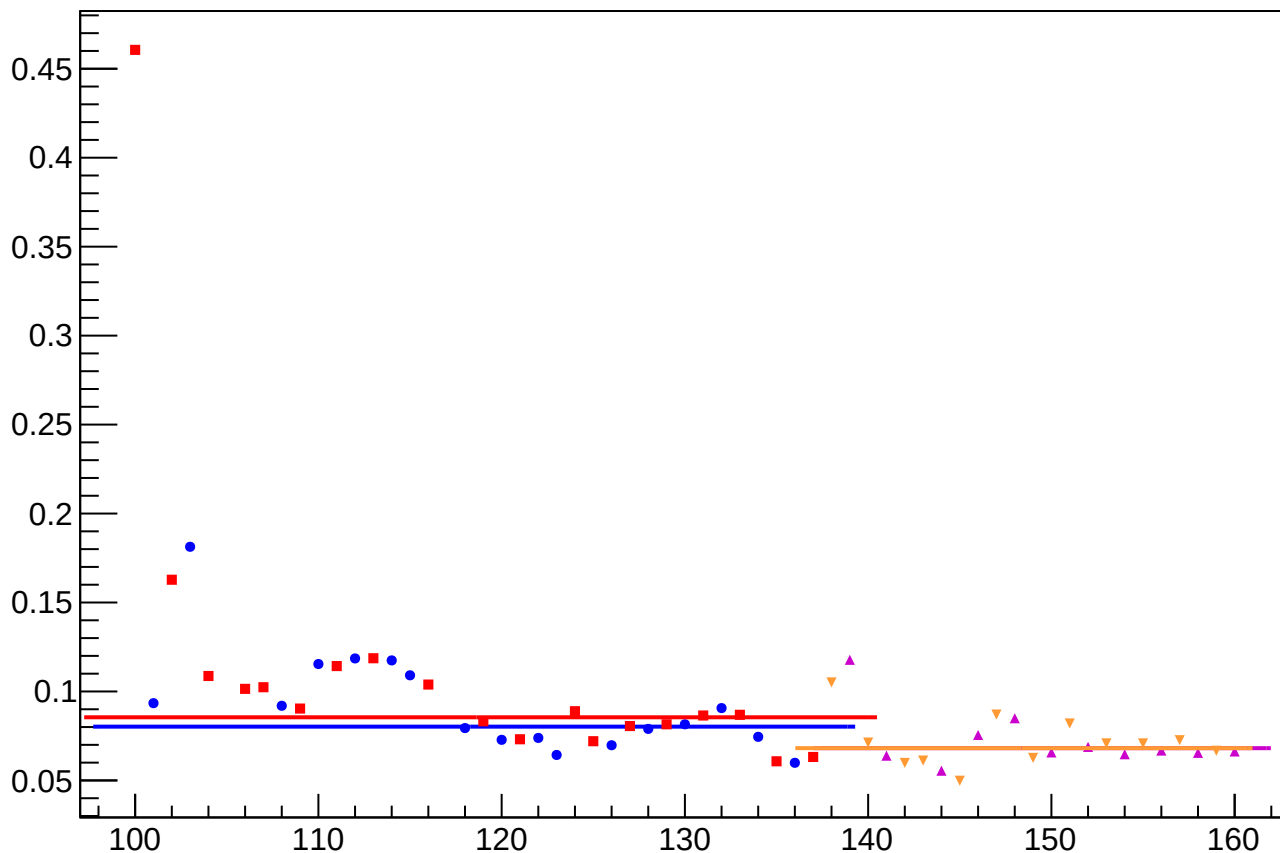
Left In: 15.132+/-0.000 χ^2/NDF : 737736961.4/10

14.813+/-0.000 χ^2/NDF : 2520061026.0/28

14.913+/-0.000 χ^2/NDF : 5262087810.7/5

15.013+/-0.000 χ^2/NDF : 2693546050.6/29

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080 $\pm$ 0.000 χ^2 /NDF: 778734.5/16

Left Out: 0.068 $\pm$ 0.000 χ^2 /NDF: 468194.0/11

Right Out: 0.085 $\pm$ 0.000 χ^2 /NDF: 738043.0/18

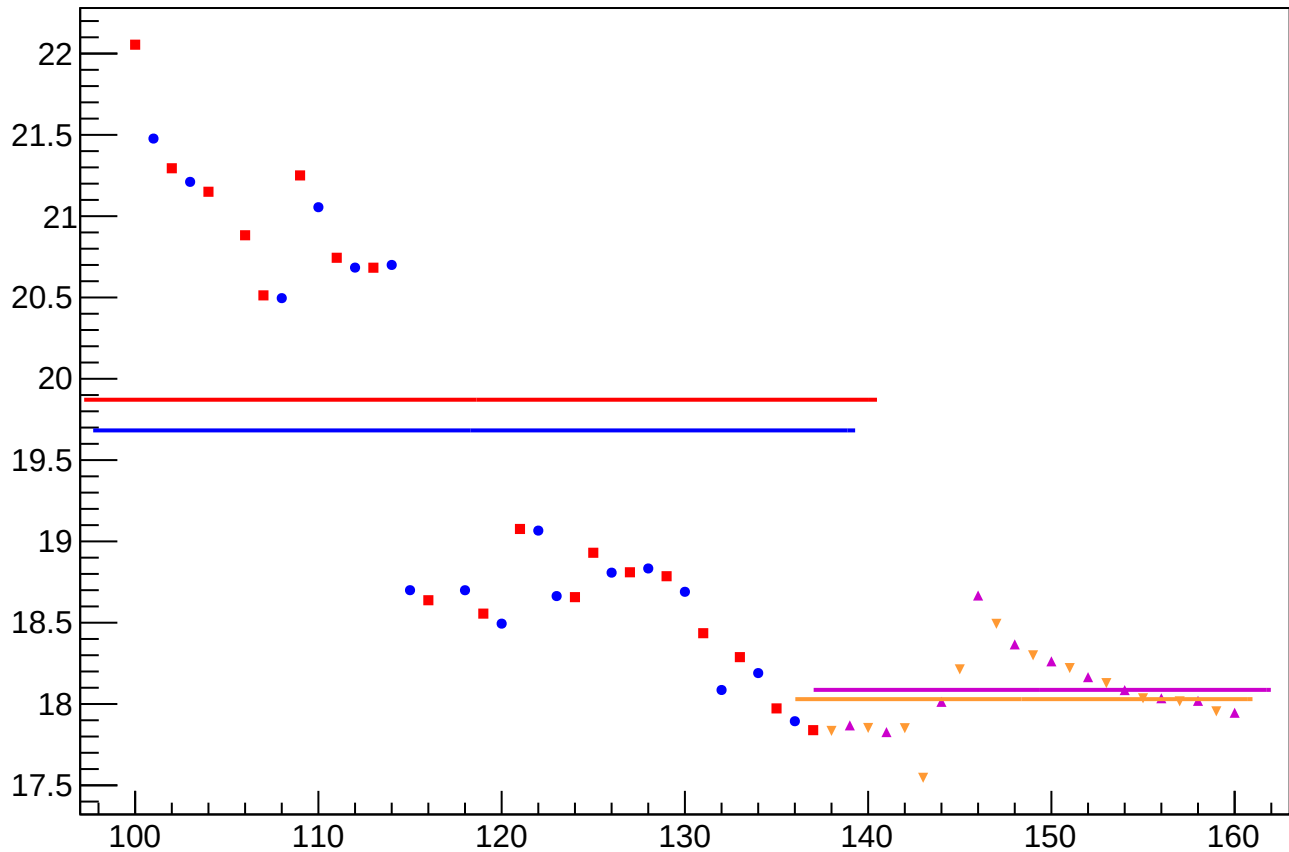
Left In: 0.068 $\pm$ 0.000 χ^2 /NDF: 403771.3/10

0.072 $\pm$ 0.000 χ^2 /NDF: 1408697.2/28

0.073 $\pm$ 0.000 χ^2 /NDF: 2879500.3/58

0.074 $\pm$ 0.000 χ^2 /NDF: 1465592.2/29

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683 $\pm$ 0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.030 $\pm$ 0.000 χ^2/NDF : 403170844.6/11

Right Out: 19.871 $\pm$ 0.000 χ^2/NDF : 11324266794.7/18

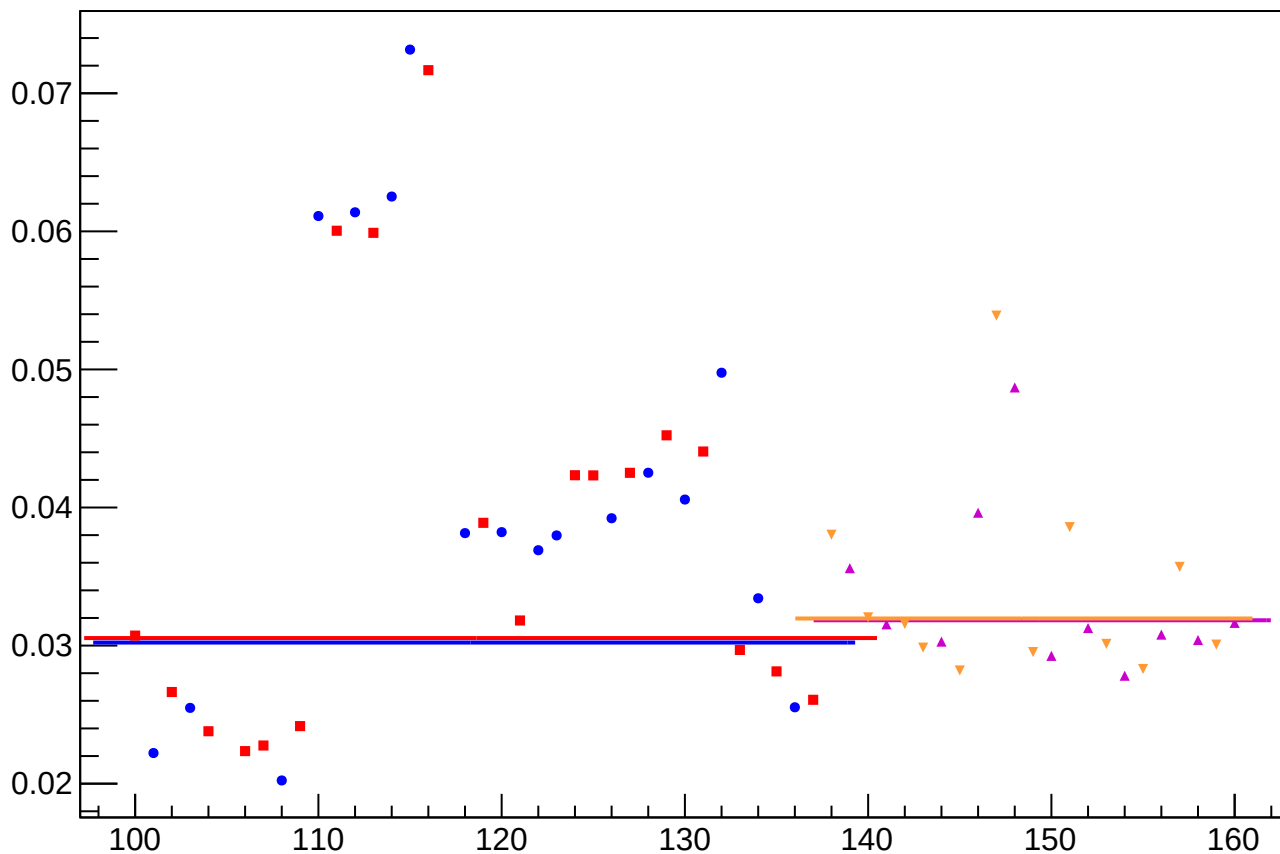
Left In: 18.087 $\pm$ 0.000 χ^2/NDF : 328968745.7/10

18.738 $\pm$ 0.000 χ^2/NDF : 22229023455.6/28

18.796 $\pm$ 0.000 χ^2/NDF : 45469855498.3/28

18.853 $\pm$ 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 : 423815.2/11

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

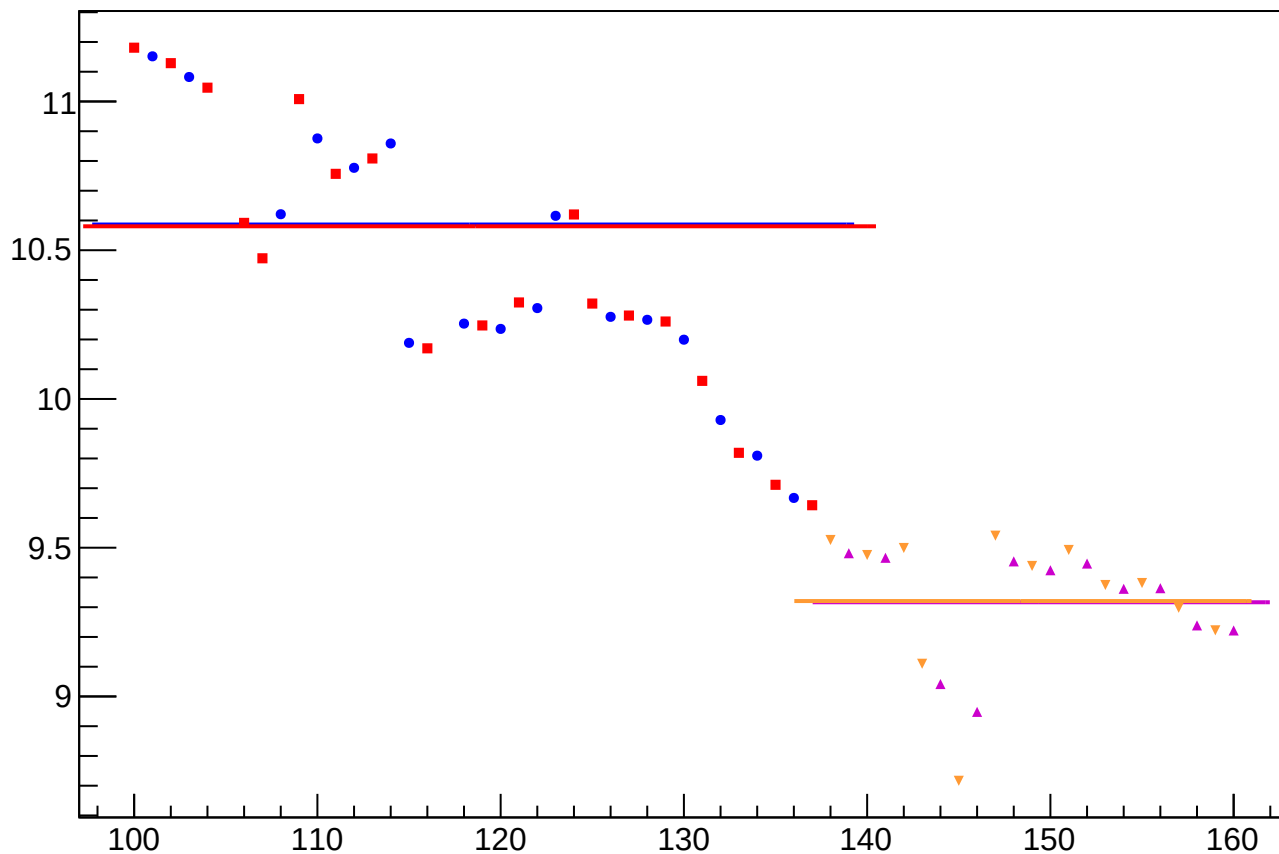
Left In: 0.032+/-0.000 χ^2/NDF : 314741.7/10

0.031+/-0.000 χ^2/NDF : 1769573.2/28

0.031+/-0.000 χ^2/NDF : 3286089.2/58

0.031+/-0.000 χ^2/NDF : 1516456.8/29

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.321+/-0.000 χ^2/NDF : 1059822276.7/11

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

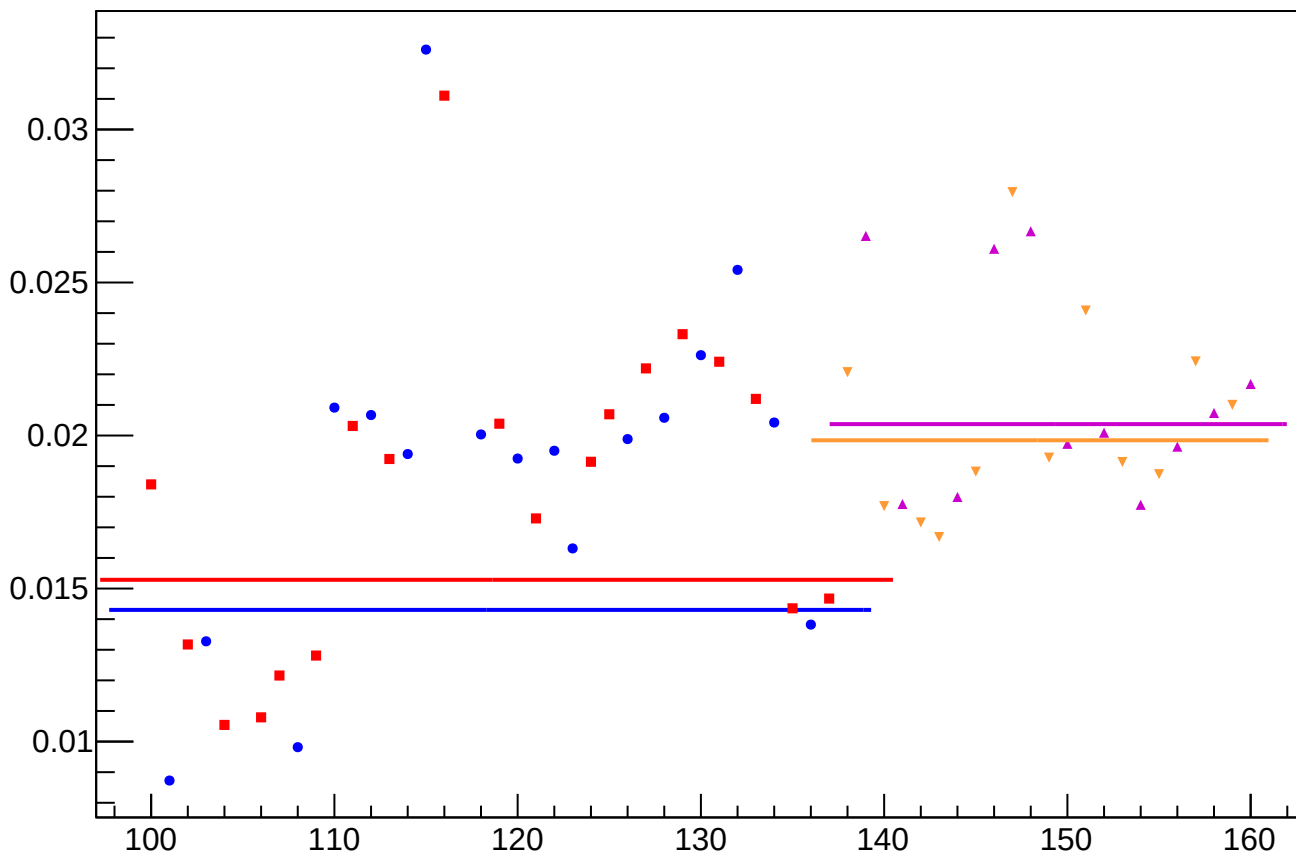
Left In: 9.317+/-0.000 χ^2/NDF : 517089733.8/10

10.031+/-0.000 χ^2/NDF : 26785681073.8/28

10.030+/-0.000 χ^2/NDF : 50678910706.2/28

10.029+/-0.000 χ^2/NDF : 23893138172.0/29

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 :303462.6/11

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 989017.0/18

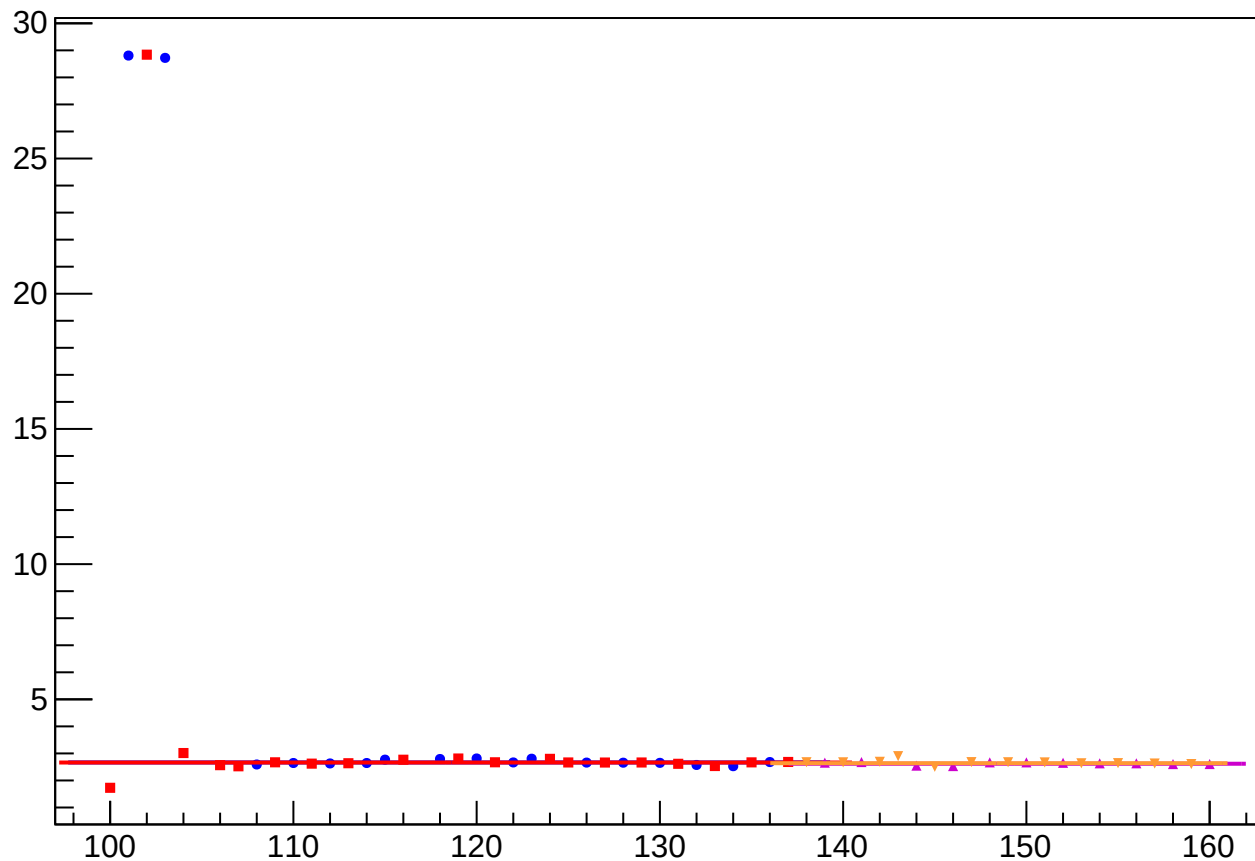
Left In: 0.020 $\pm$ 0.000 χ^2/NDF :335937.5/10

0.017 $\pm$ 0.000 χ^2/NDF : 2413388.5/28

0.017 $\pm$ 0.000 χ^2/NDF : 4336213.8/58

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: 2.638 $\pm$ 0.000 χ^2 /NDF: 11496075102.1/11

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

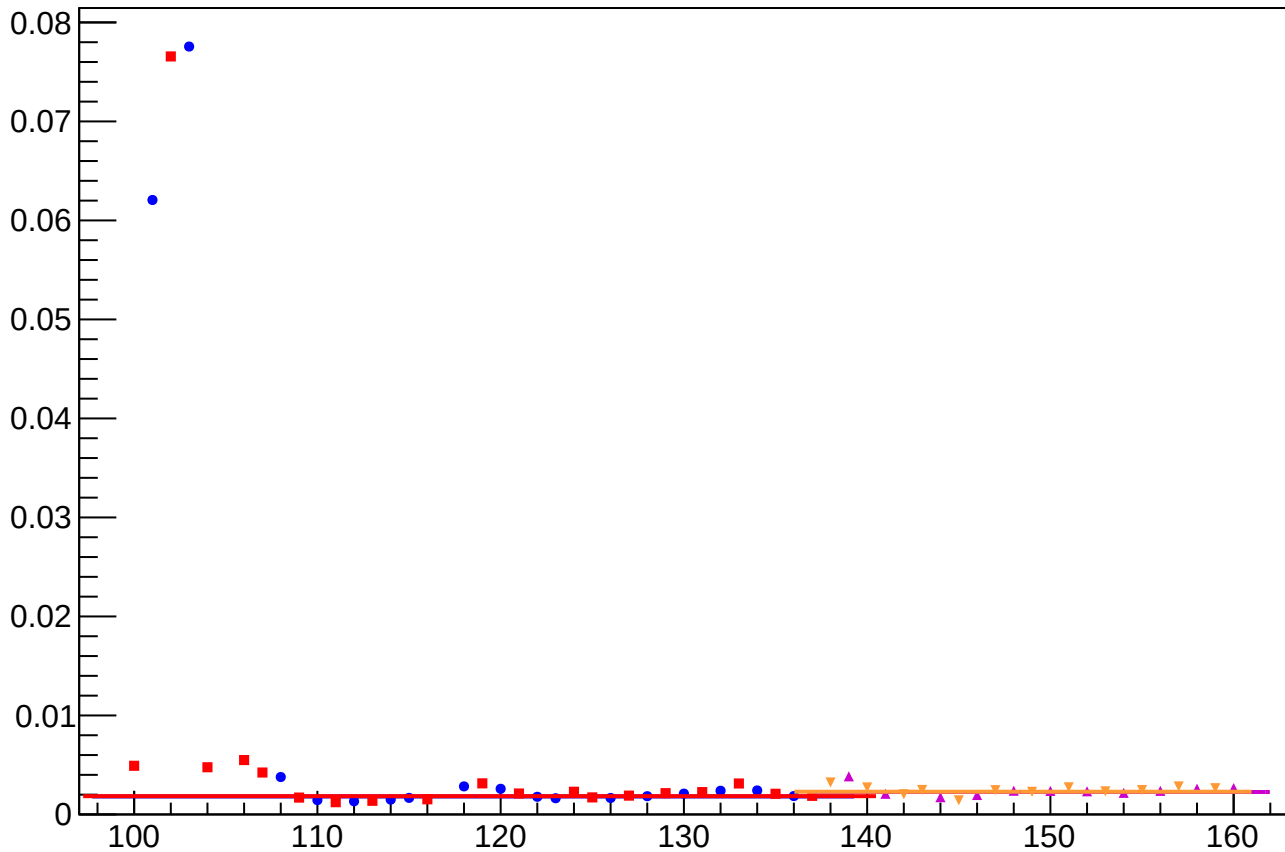
Left In: 2.618 $\pm$ 0.000 χ^2 /NDF: 3881729935.7/10

2.652 $\pm$ 0.000 χ^2 /NDF: 175180068141.4/28

2.646 $\pm$ 0.000 χ^2 /NDF: 251088662192.5/29

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 : 693199.2/11

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

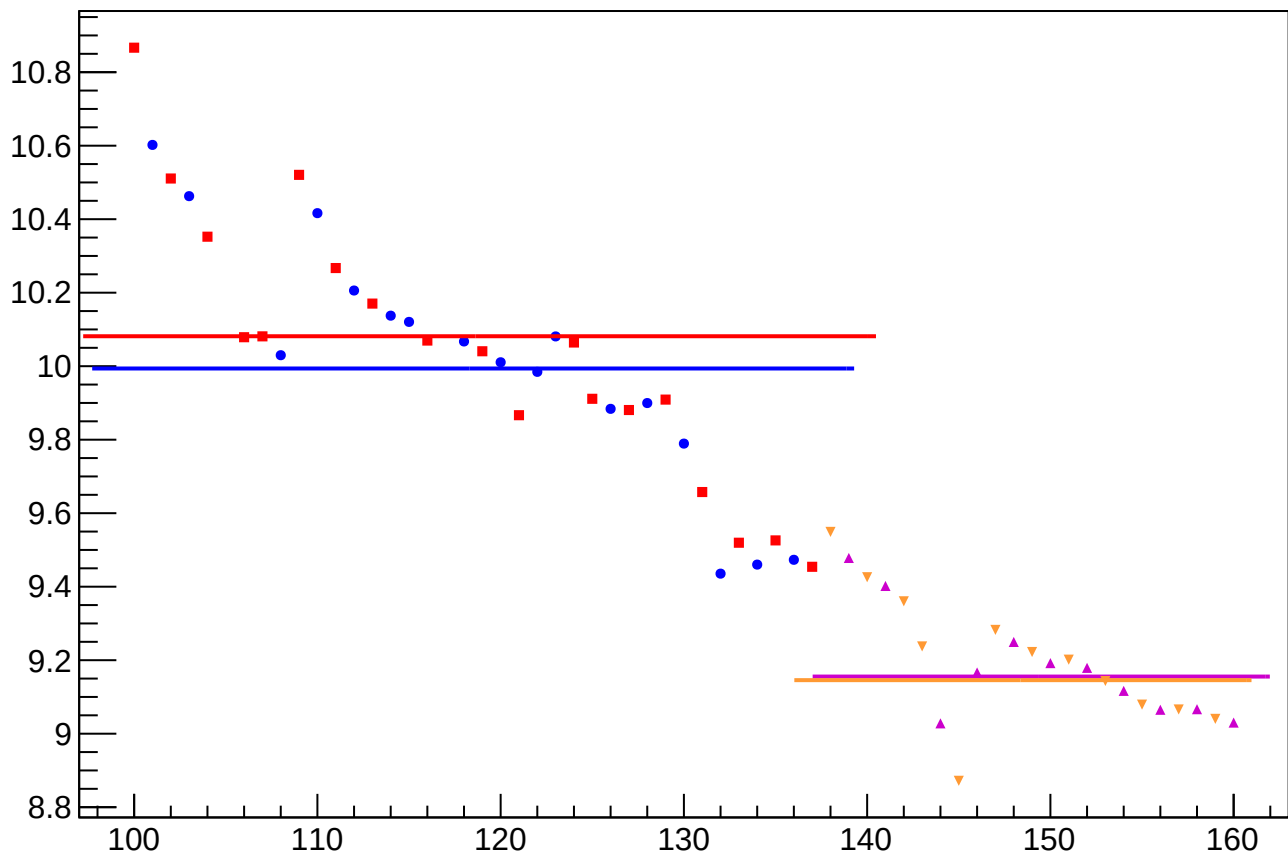
Left In: 0.002+/-0.000 χ^2/NDF : 465901.6/10

0.002+/-0.000 χ^2/NDF : 3662890.2/28

0.002+/-0.000 χ^2/NDF : 6711244.5/58

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: 9.146+/-0.000 χ^2/NDF : 5055074552.5/11

Right Out: 10.082+/-0.000 χ^2/NDF : 15502695798.7/18

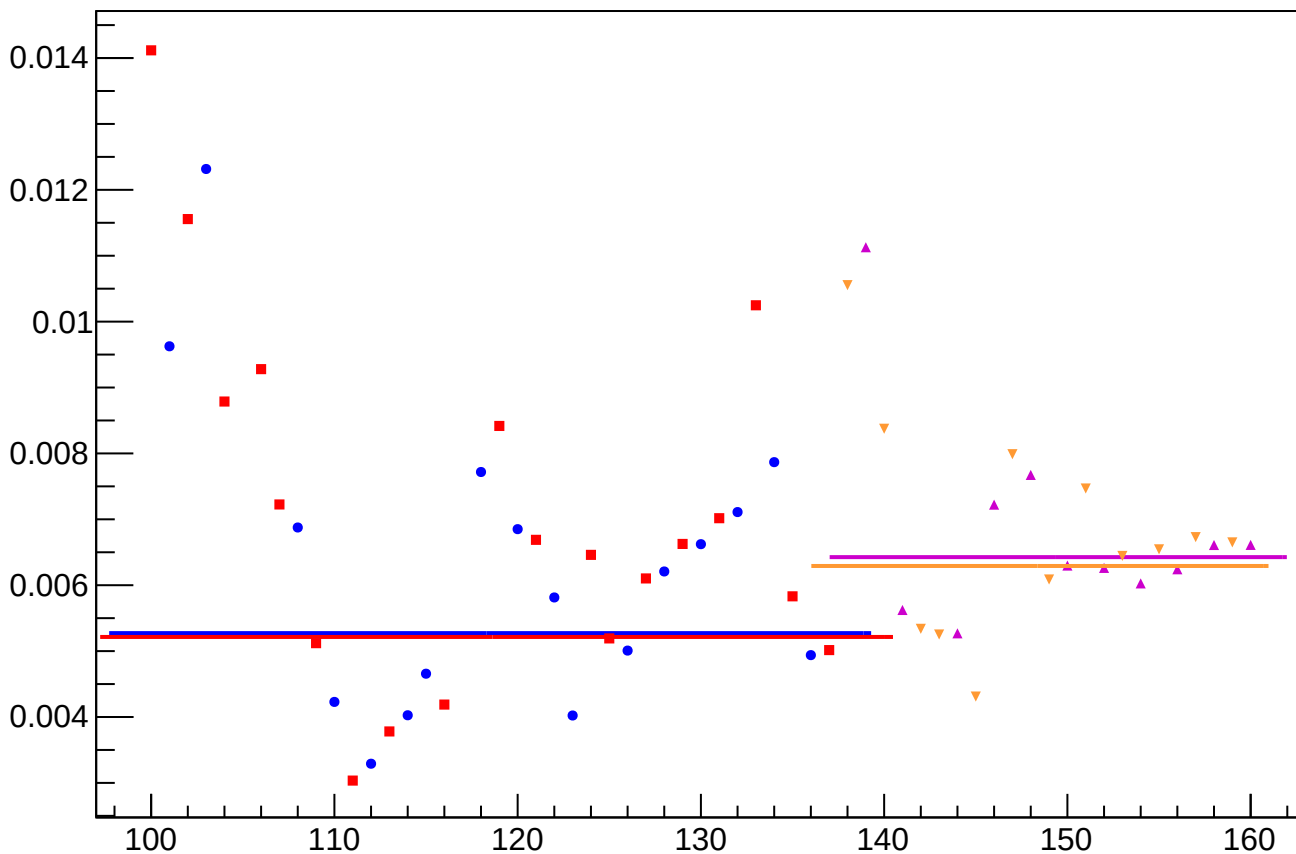
Left In: 9.155+/-0.000 χ^2/NDF : 2754024028.9/10

9.575+/-0.000 χ^2/NDF : 88116289893.9/28

9.607+/-0.000 χ^2/NDF : 186138158361.7/

9.637+/-0.000 χ^2/NDF : 97311241328.1/29

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 : 667027.3/11

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

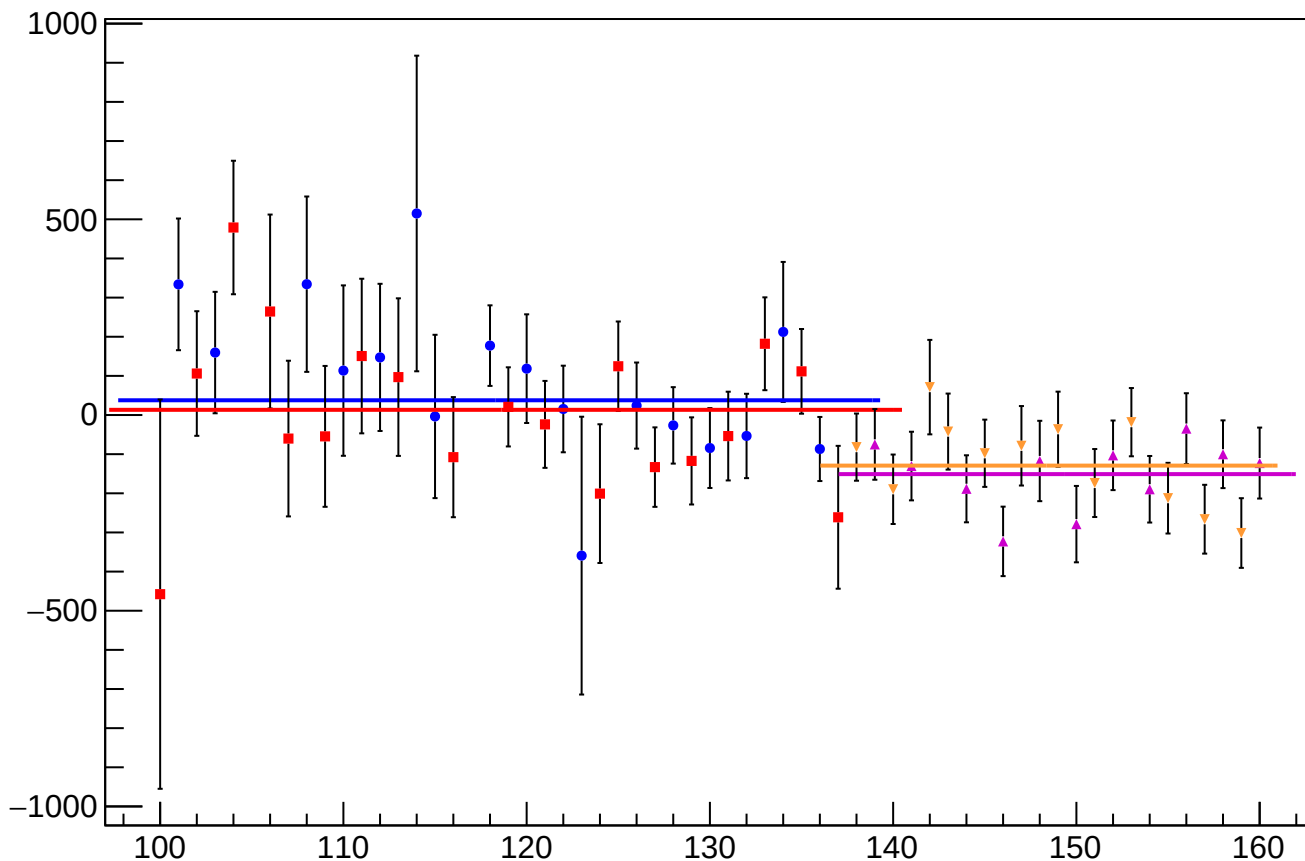
Left In: 0.006+/-0.000 χ^2/NDF : 392341.7/10

0.006+/-0.000 χ^2/NDF : 2098091.2/28

0.006+/-0.000 χ^2/NDF : 4419069.5/58

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: -129.228 +/- 26.529 χ^2/NDF : 14.6/11

Right Out: 13.278 +/- 32.066 χ^2/NDF : 22.7/18

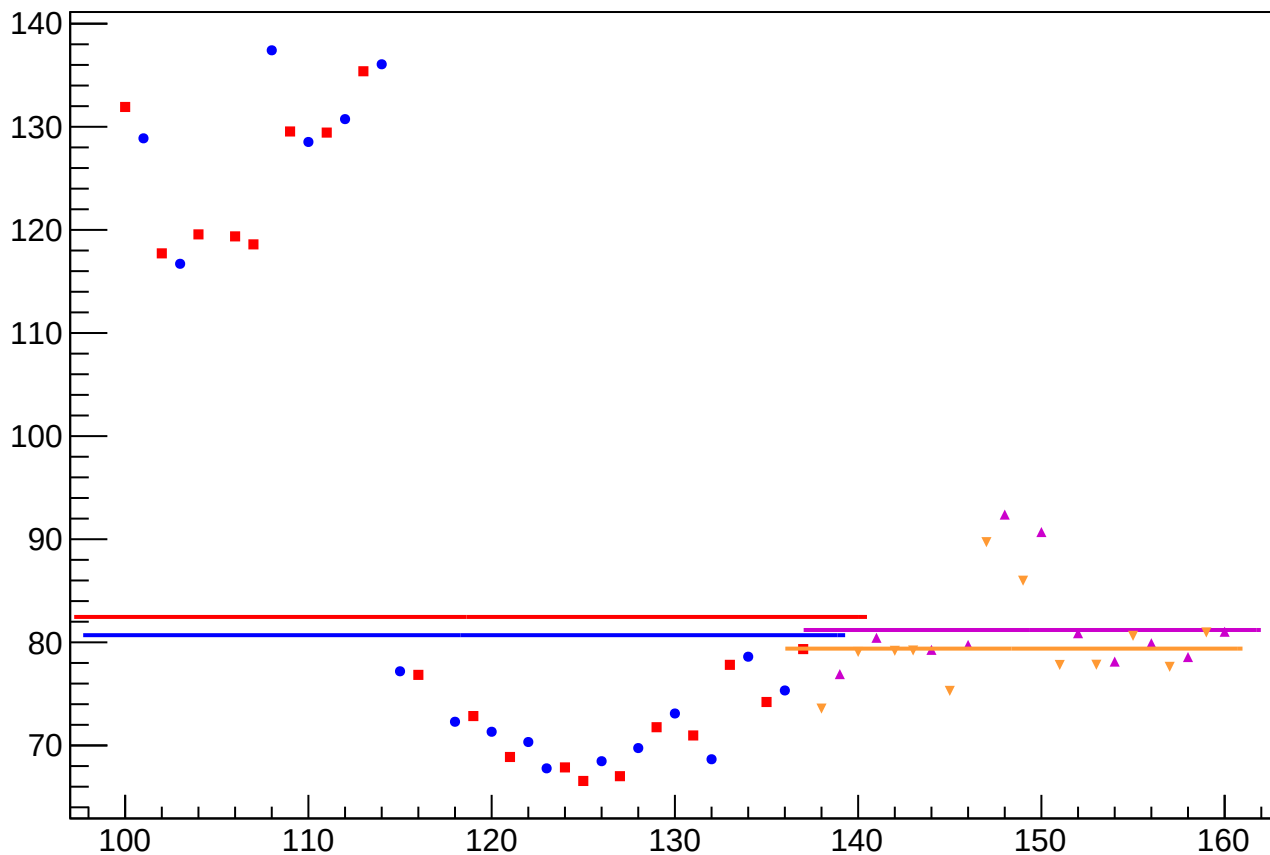
Left In: -150.980 +/- 27.132 χ^2/NDF : 9.1/10

-61.870 +/- 20.489 χ^2/NDF : 47.2/28

-72.047 +/- 14.566 χ^2/NDF : 94.9/58

-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: 79.391+/-0.019 χ^2/NDF : 46986.3/11

Right Out: 82.464+/-0.023 χ^2/NDF : 914878.0/18

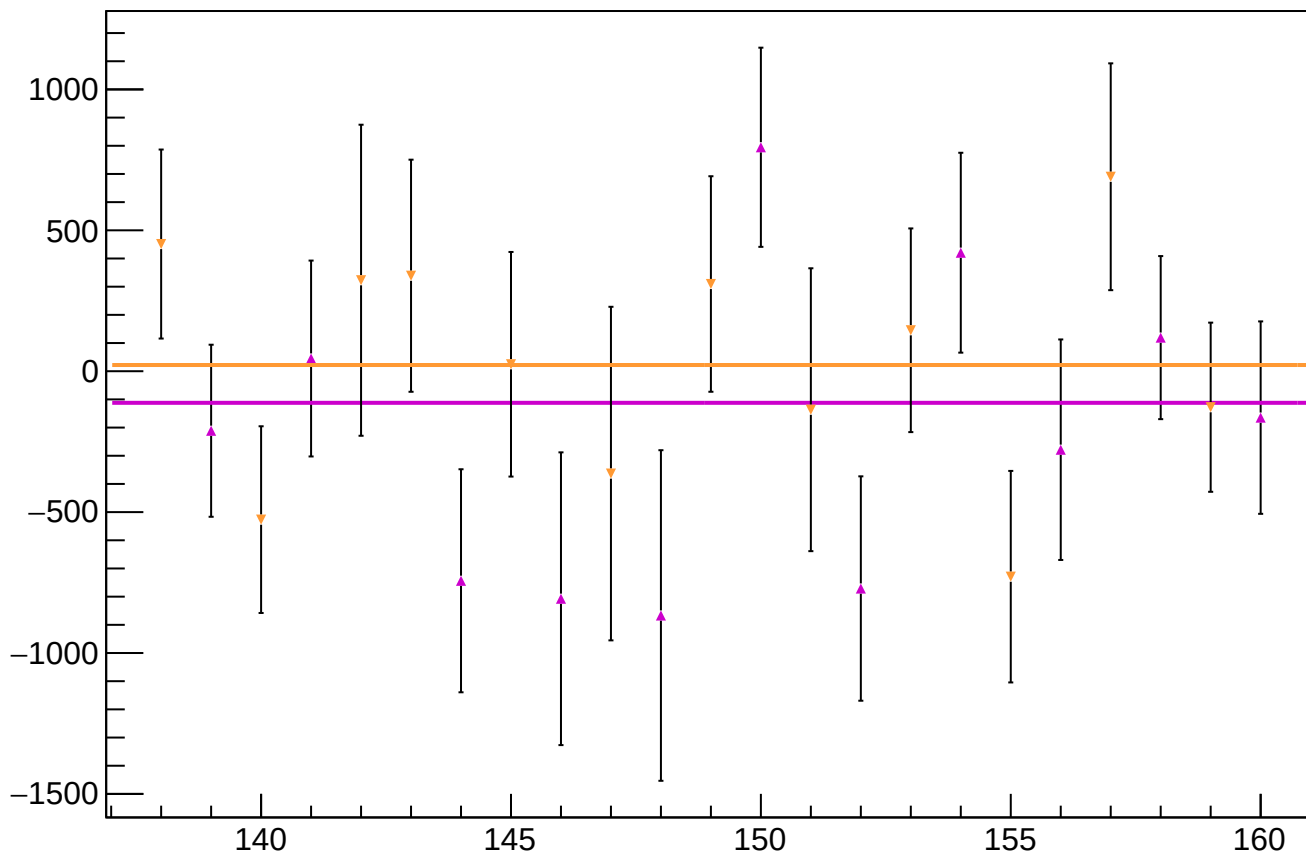
Left In: 81.198+/-0.019 χ^2/NDF : 53782.8/10

79.917+/-0.014 χ^2/NDF : 862960.1/28

80.812+/-0.010 χ^2/NDF : 1841147.5/58

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: 22.015 $\pm$ 112.388 χ^2 /NDF:13.5/11

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

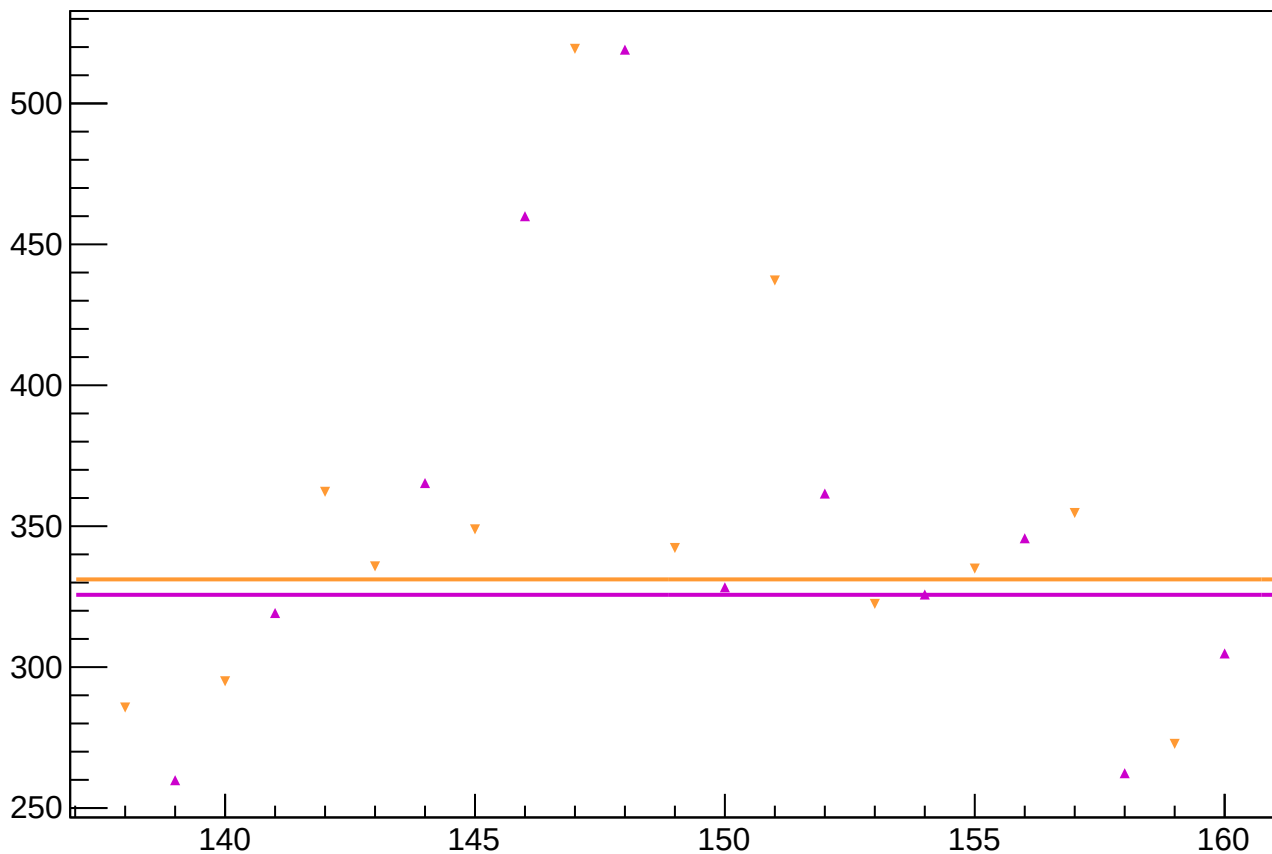
Left In: -112.144 $\pm$ 110.888 χ^2 /NDF:18.7/10

22.015 $\pm$ 112.388 χ^2 /NDF: 13.5/11

-45.966 $\pm$ 78.935 χ^2 /NDF: 32.9/22

-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: 331.127+/-0.079 χ^2/NDF : 448273.7/11

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

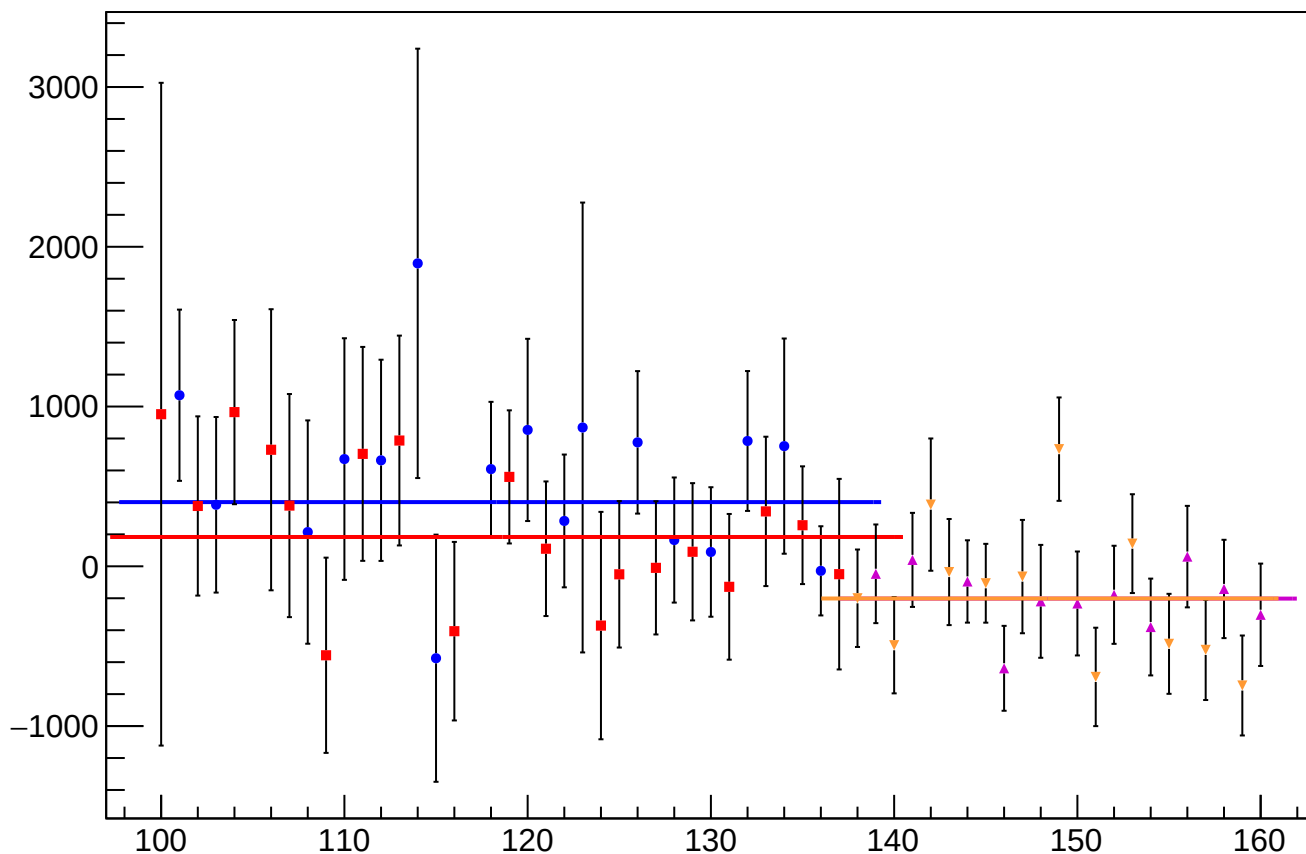
Left In: 325.654+/-0.078 χ^2/NDF : 589686.6/10

331.127+/-0.079 χ^2/NDF : 448273.7/11

328.354+/-0.056 χ^2/NDF : 1040364.0/22

325.654+/-0.078 χ^2/NDF : 589686.6/10

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -201.478+/-90.474 χ^2/NDF : 20.5/11

Right Out: 183.481+/-120.338 χ^2/NDF : 9.3/18

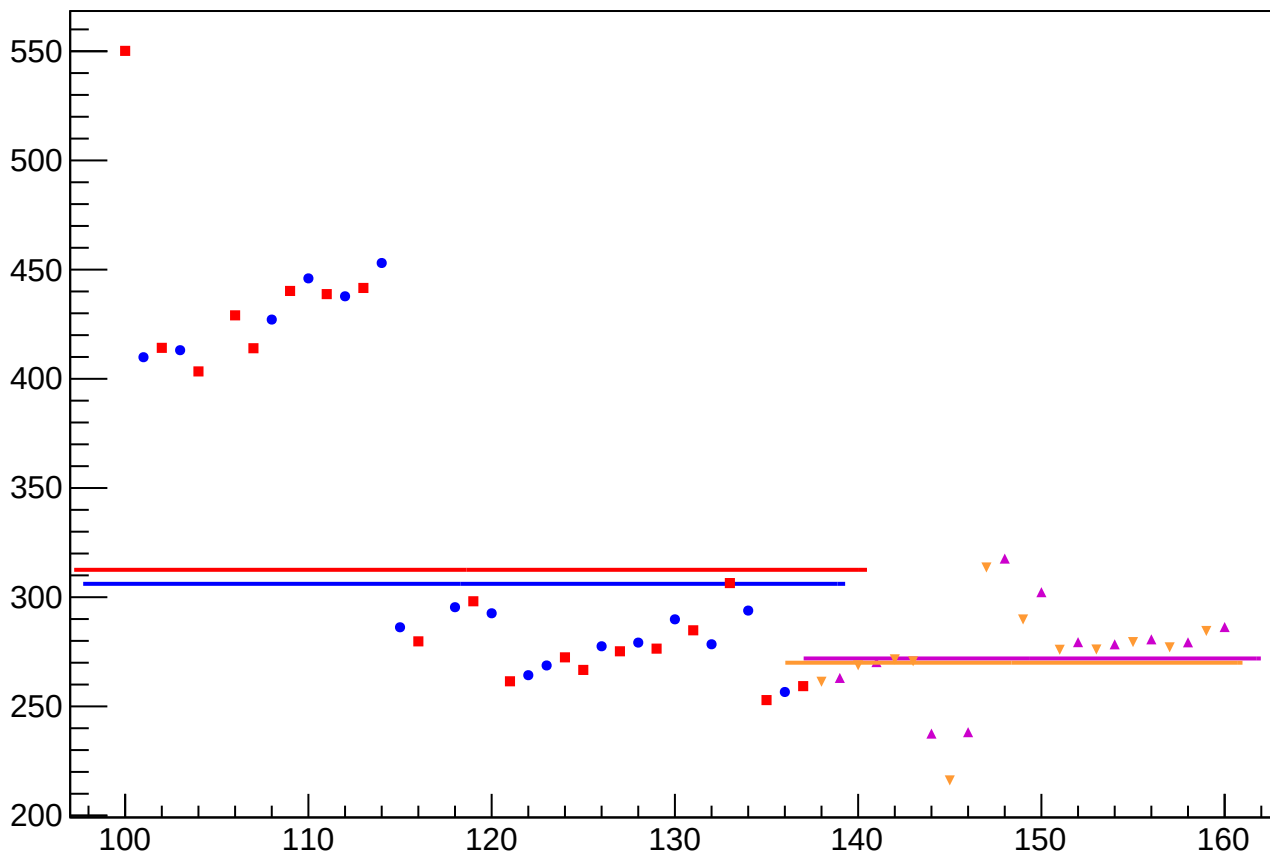
Left In: -202.111+/-91.125 χ^2/NDF : 5.0/10

14.773+/-72.469 χ^2/NDF : 47.4/28

-23.313+/-51.306 χ^2/NDF : 68.8/58

-61.586+/-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: 270.005+/-0.064 χ^2/NDF : 143552.8/11

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

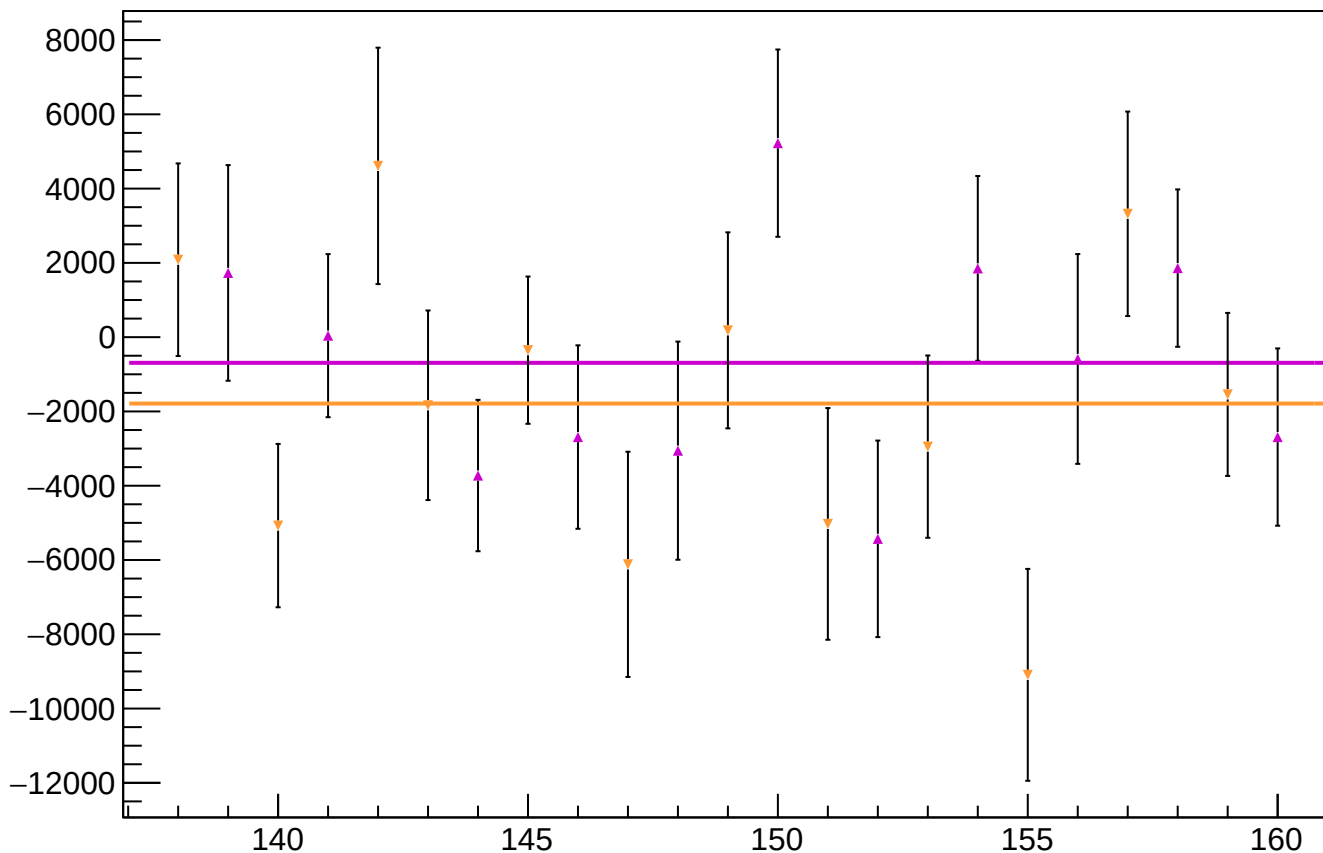
Left In: 271.947+/-0.064 χ^2/NDF : 129358.9/10

282.950+/-0.051 χ^2/NDF : 766231.6/28

284.842+/-0.036 χ^2/NDF : 1668744.6/58

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: -1787.555+/-736.137 χ^2/NDF :22.9/11

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

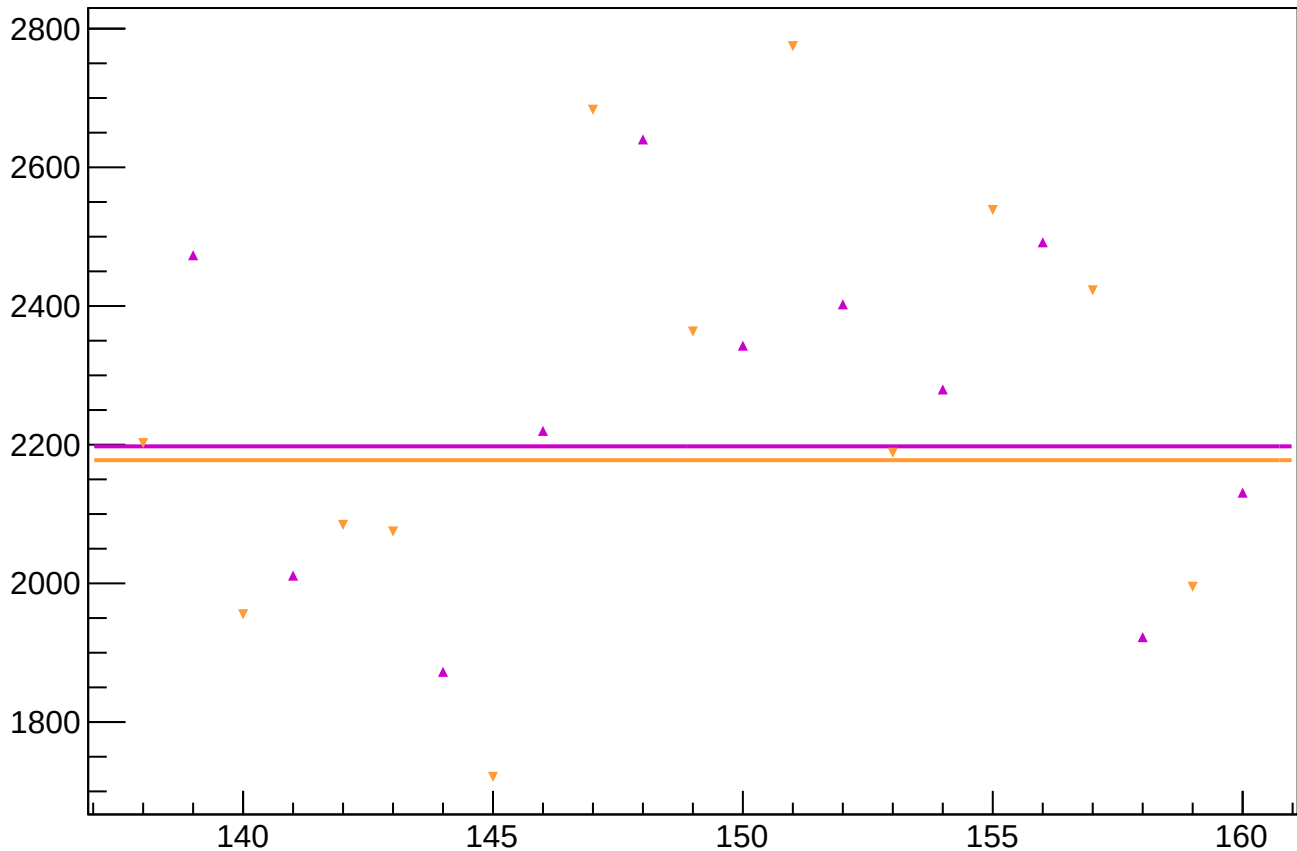
Left In: -690.843+/-738.862 χ^2/NDF :16.2/10

-1787.555+/-736.137 χ^2/NDF : 22.9/11

-1241.225+/-521.488 χ^2/NDF : 40.3/22

-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: 2177.672+/-0.521 χ^2/NDF : 332049.5/11

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

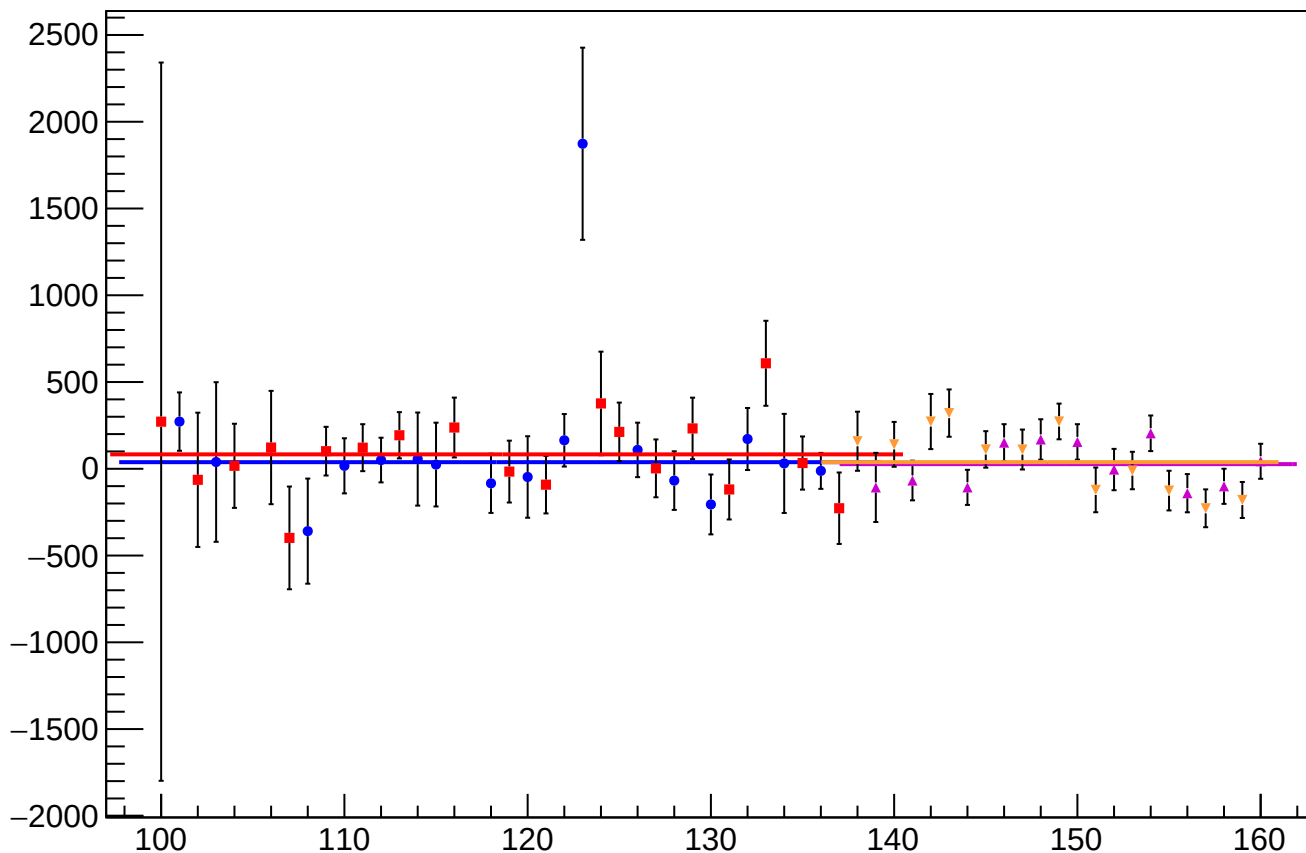
Left In: 2197.622+/-0.522 χ^2/NDF : 206738.8/10

2177.672+/-0.521 χ^2/NDF : 332049.5/11

2187.610+/-0.369 χ^2/NDF : 539520.0/22

2197.622+/-0.522 χ^2/NDF : 206738.8/10

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 38.447+/-34.340 χ^2/NDF : 27.8/11

Right Out: 83.101+/-43.098 χ^2/NDF : 16.7/18

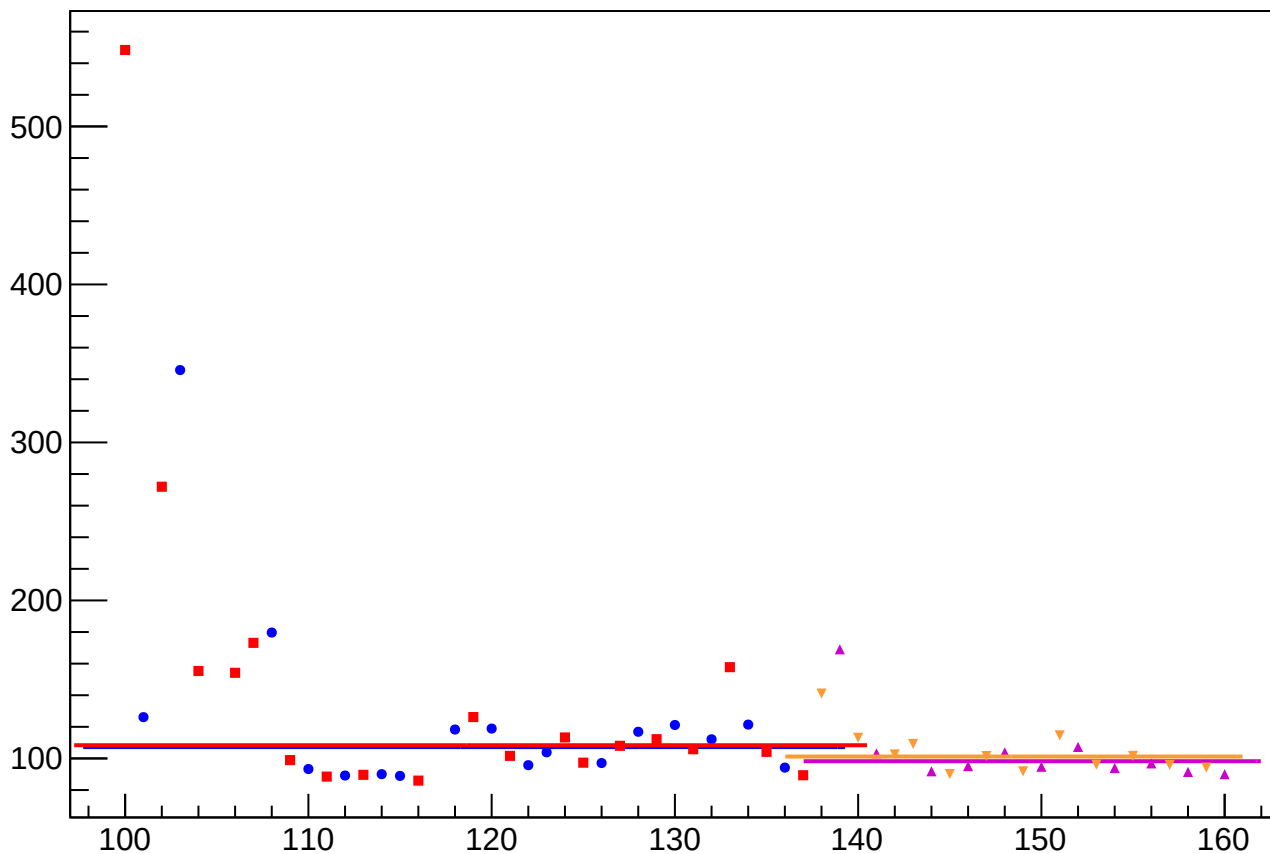
Left In: 26.858+/-33.306 χ^2/NDF : 14.3/10

38.324+/-26.965 χ^2/NDF : 47.2/28

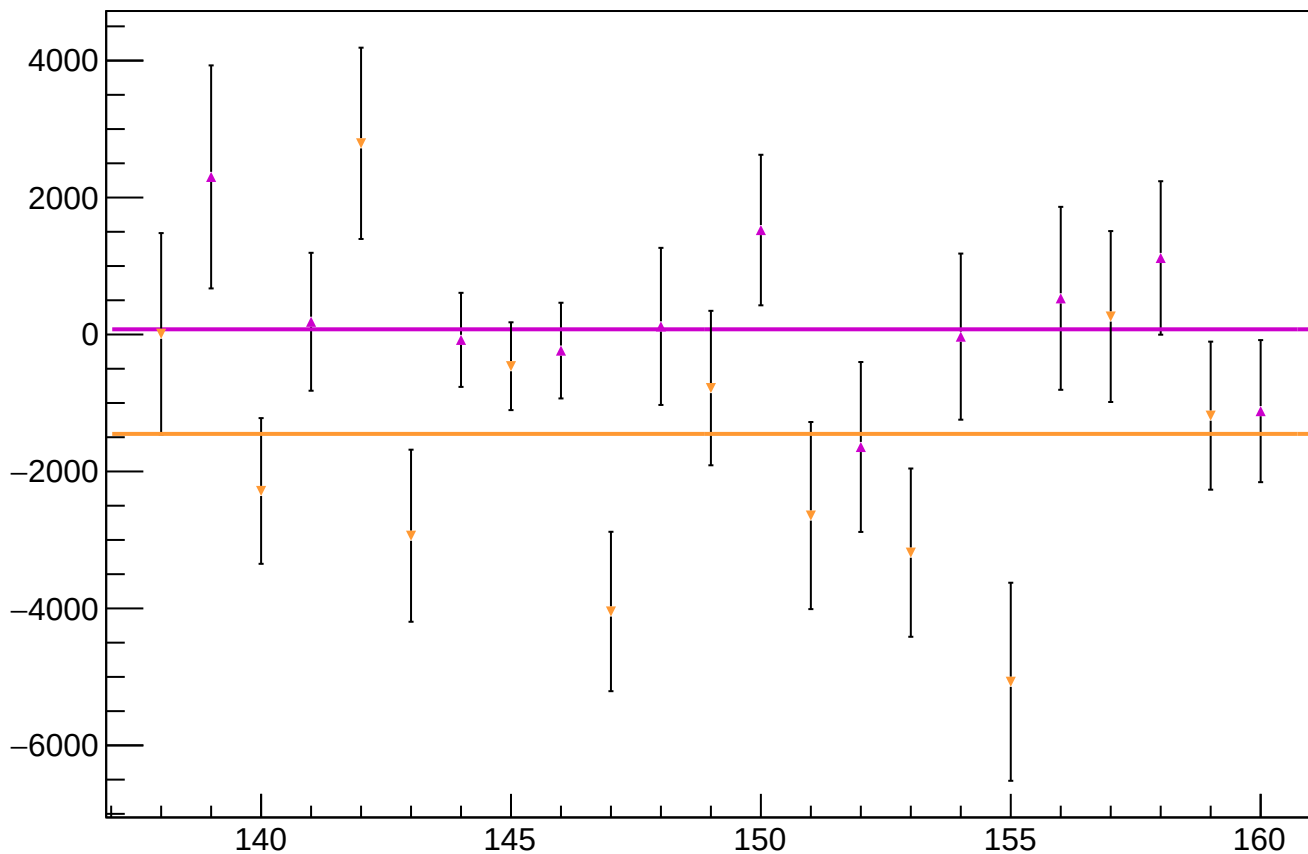
43.216+/-18.847 χ^2/NDF : 79.4/58

47.888+/-26.354 χ^2/NDF : 32.1/29

reg_asym_sam3_rms vs Slug, Sign Corrected



asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1451.370+/-322.352 χ^2/NDF : 30.9/11

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

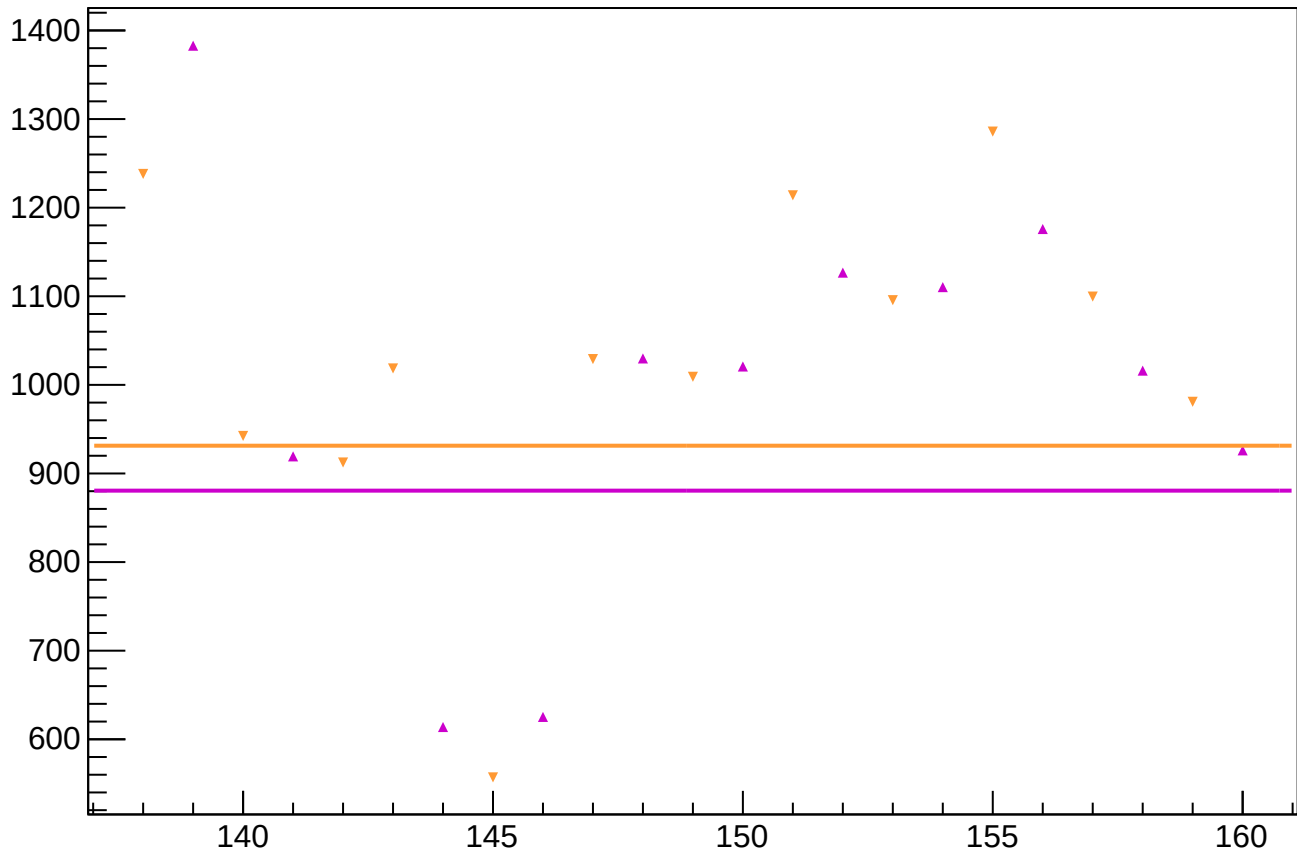
Left In: 75.876+/-305.225 χ^2/NDF : 8.1/10

-1451.370+/-322.352 χ^2/NDF : 30.9/11

-646.100+/-221.634 χ^2/NDF : 50.8/22

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: 931.350+/-0.228 χ^2/NDF : 1084842.6/11

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

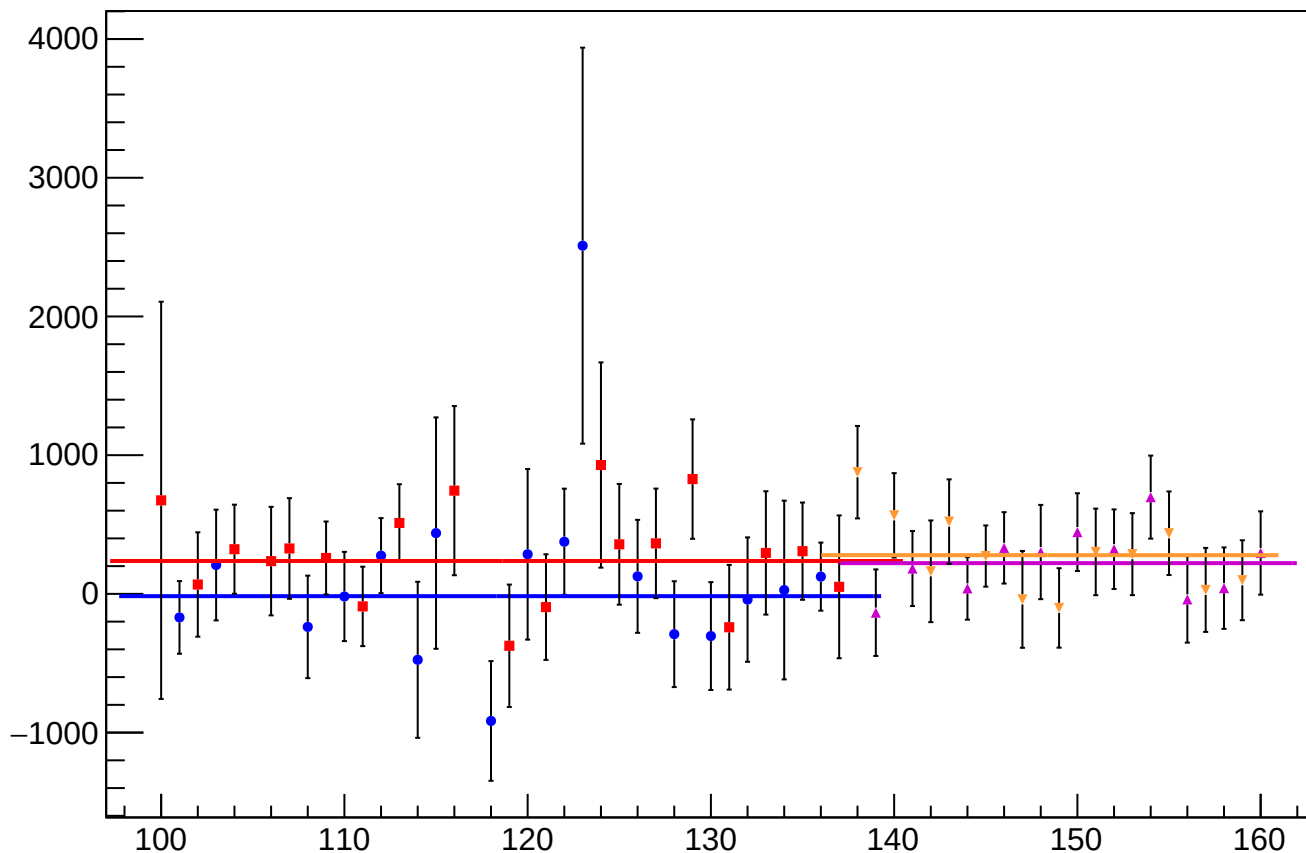
Left In: 880.624+/-0.216 χ^2/NDF : 1109492.0/10

931.350+/-0.228 χ^2/NDF : 1084842.6/11

904.604+/-0.157 χ^2/NDF : 2220447.8/22

880.624+/-0.216 χ^2/NDF : 1109492.0/10

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 279.095 ± 86.174 $\chi^2/\text{NDF}: 8.8/11$

Right Out: 236.984 ± 88.937 $\chi^2/\text{NDF}: 10.3/18$

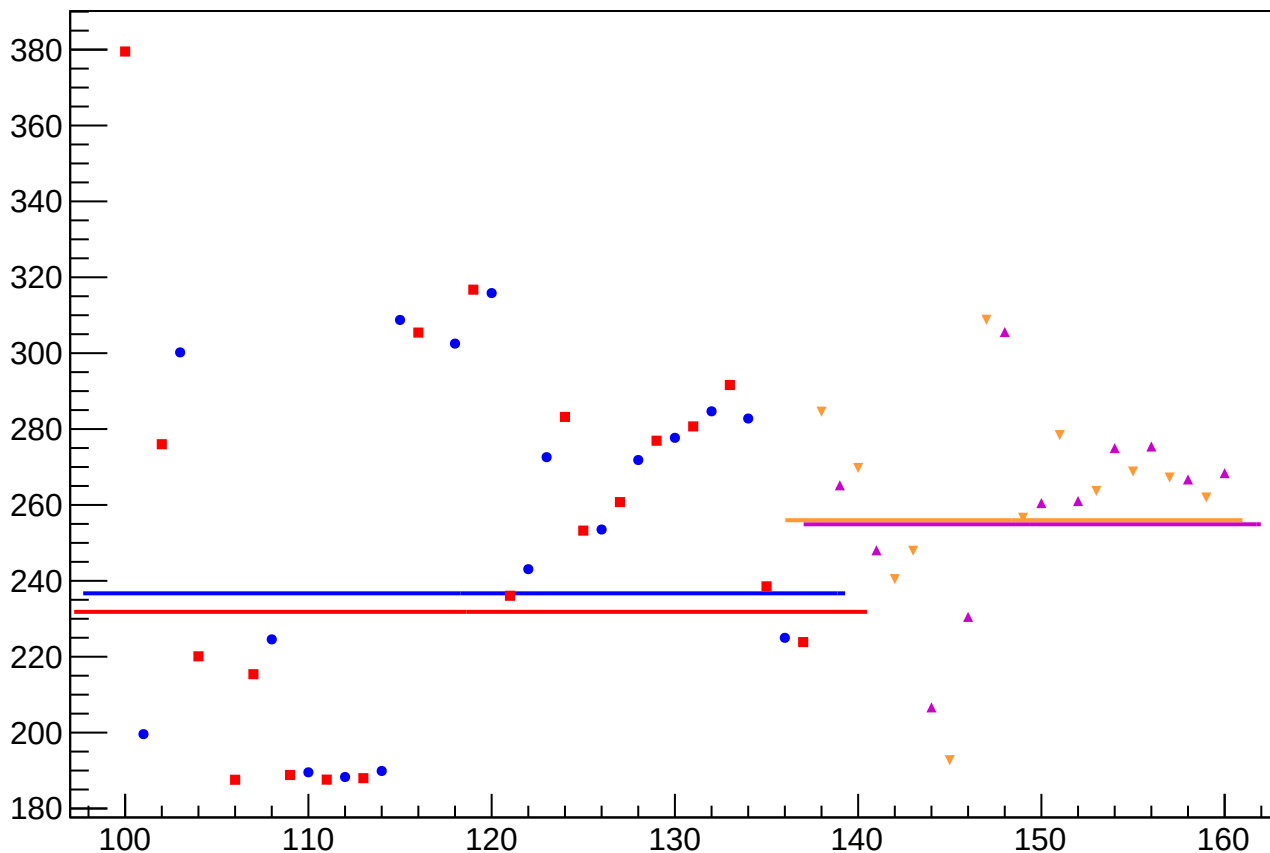
Left In: 221.519 ± 85.621 $\chi^2/\text{NDF}: 6.6/10$

143.010 ± 63.299 $\chi^2/\text{NDF}: 27.7/28$

187.095 ± 44.176 $\chi^2/\text{NDF}: 45.6/58$

228.958 ± 61.682 $\chi^2/\text{NDF}: 17.0/29$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 $\pm$ 0.066 χ^2/NDF : 390344.9/16

Left Out: 255.977 $\pm$ 0.061 χ^2/NDF : 252949.6/11

Right Out: 231.828 $\pm$ 0.063 χ^2/NDF : 443276.3/18

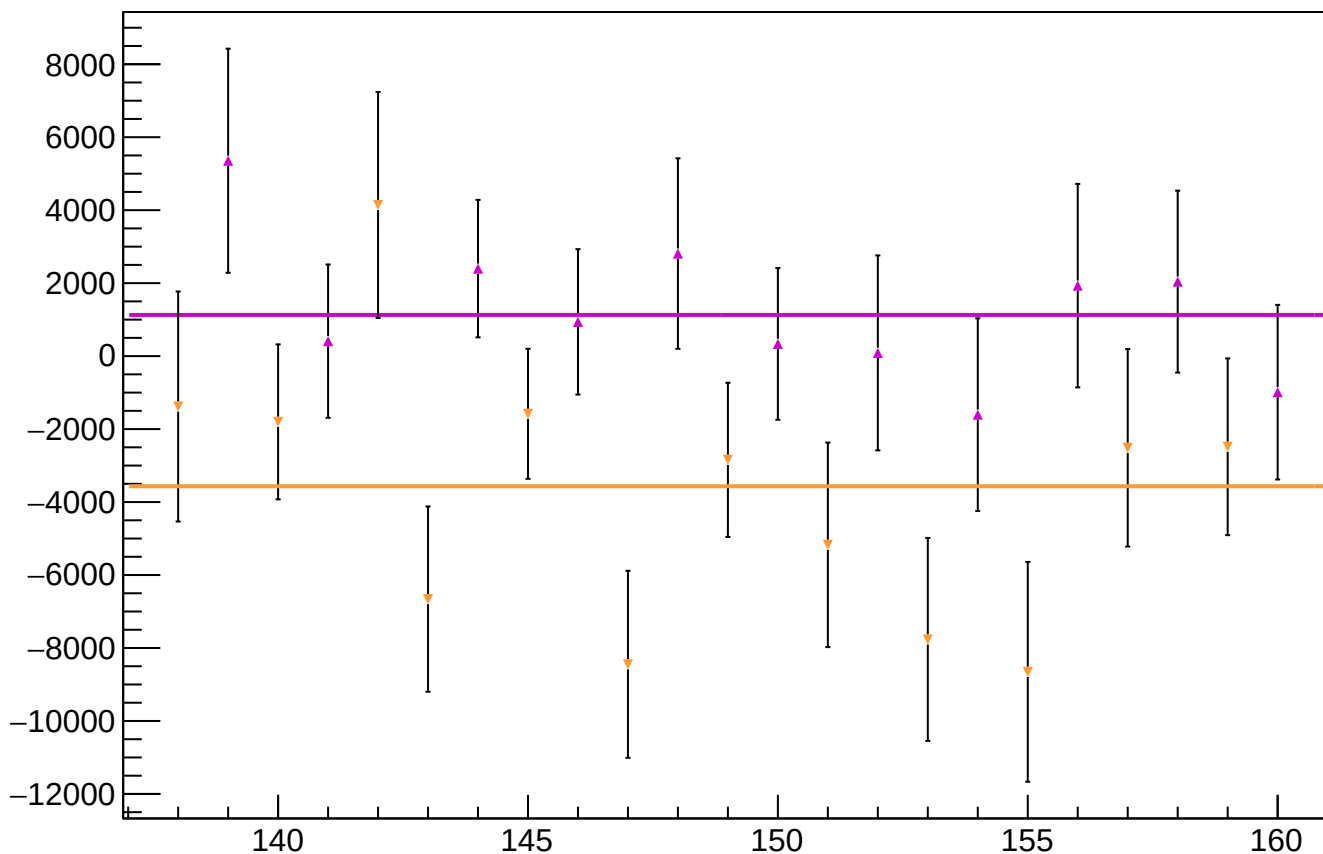
Left In: 254.903 $\pm$ 0.061 χ^2/NDF : 184152.6/10

247.104 $\pm$ 0.045 χ^2/NDF : 689344.8/28

245.411 $\pm$ 0.031 χ^2/NDF : 1389431.5/58

243.804 $\pm$ 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: -3566.579+/-716.739 χ^2/NDF : 19.6/11

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

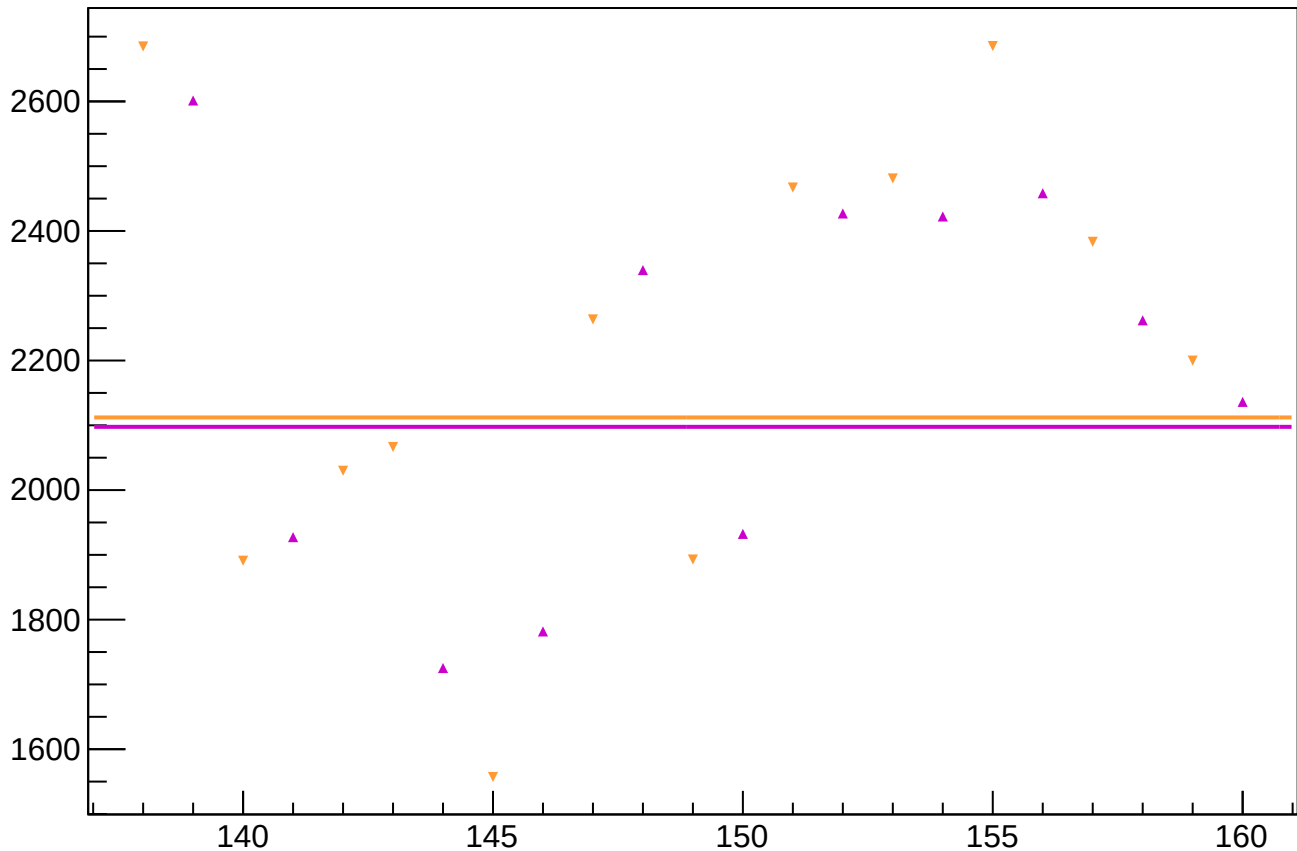
Left In: 1129.162+/-708.568 χ^2/NDF : 5.3/10

-3566.579+/-716.739 χ^2/NDF : 19.6/11

-1191.790+/-503.897 χ^2/NDF : 46.6/22

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: 2112.127+/-0.507 χ^2/NDF : 474749.6/11

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

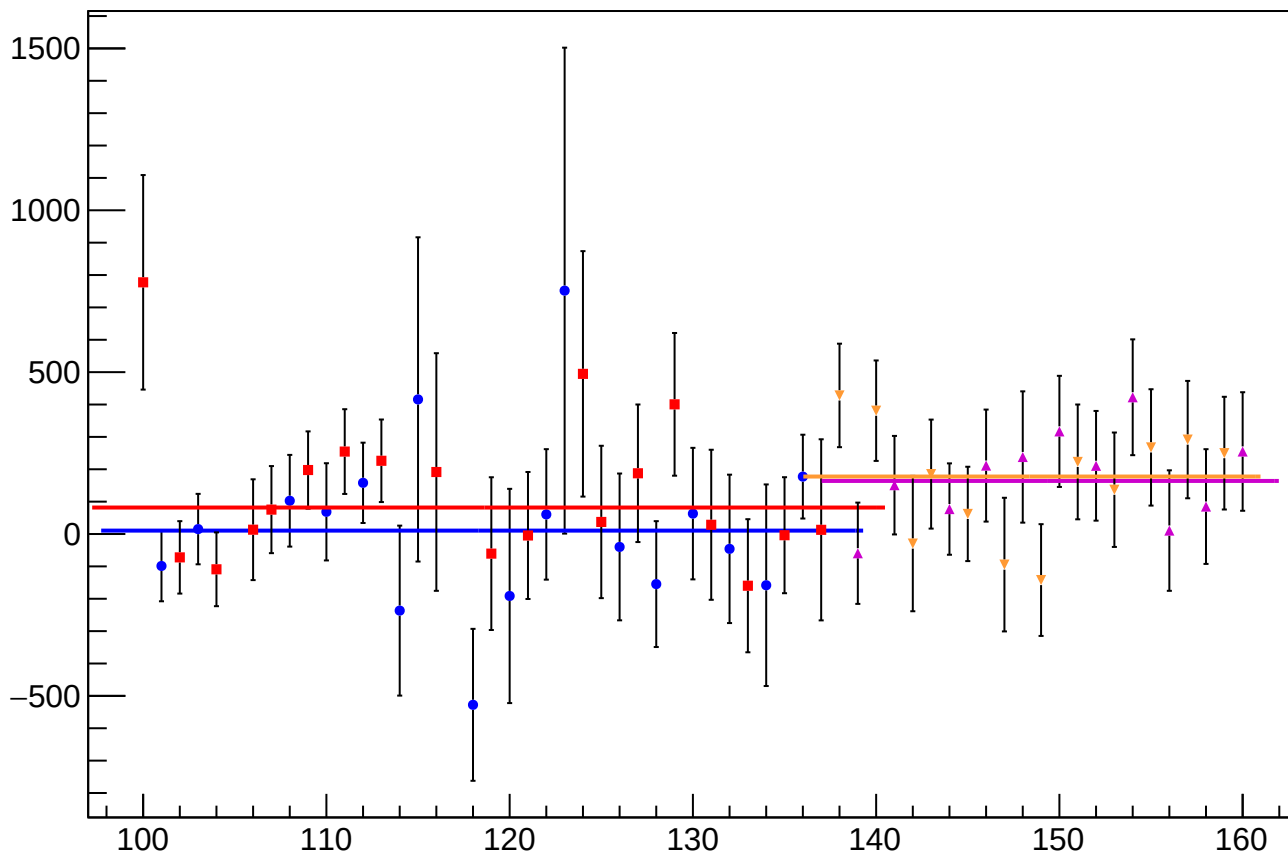
Left In: 2097.642+/-0.501 χ^2/NDF : 328429.1/10

2112.127+/-0.507 χ^2/NDF : 474749.6/11

2104.802+/-0.356 χ^2/NDF : 803591.9/22

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: 177.557 ± 49.927 χ^2/NDF : 11.9/11

Right Out: 81.802 ± 38.985 χ^2/NDF : 19.2/18

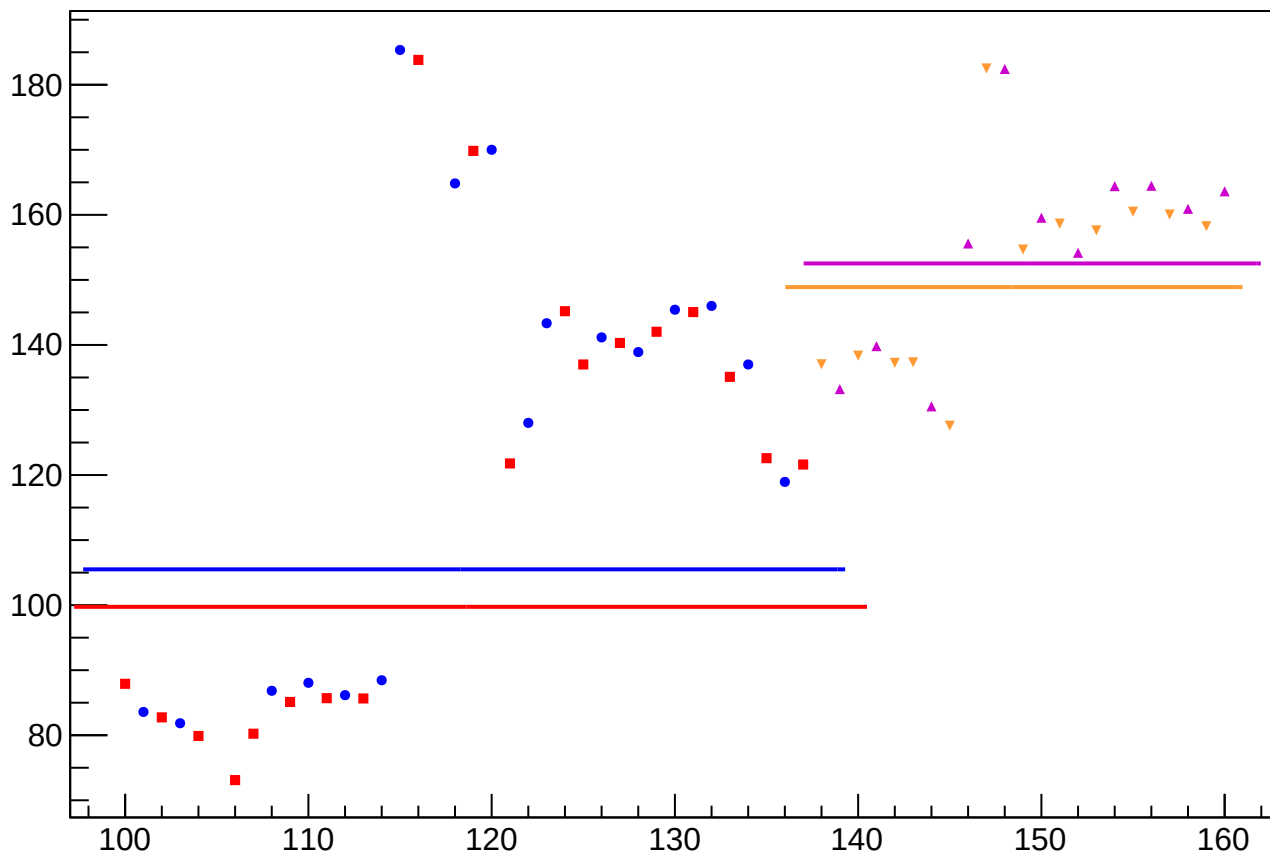
Left In: 163.952 ± 51.127 χ^2/NDF : 6.7/10

80.314 ± 32.271 χ^2/NDF : 32.5/28

96.795 ± 22.357 χ^2/NDF : 60.5/58

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: 148.893 +/- 0.035 χ^2/NDF : 166571.4/11

Right Out: 99.744 +/- 0.028 χ^2/NDF : 1000097.3/18

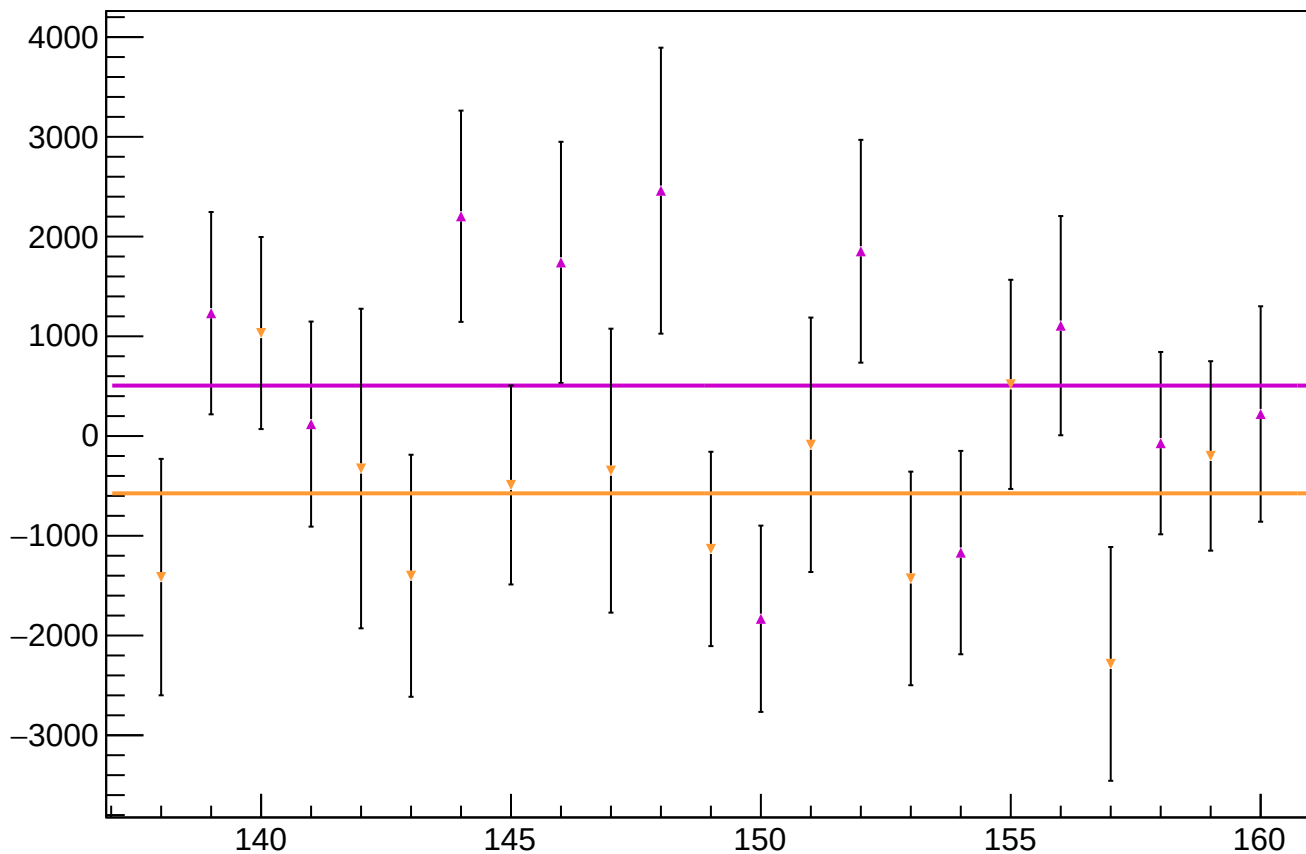
Left In: 152.528 +/- 0.036 χ^2/NDF : 169479.2/10

123.631 +/- 0.023 χ^2/NDF : 1915056.5/28

121.301 +/- 0.016 χ^2/NDF : 4452657.4/58

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: -574.498+/-322.007 χ^2/NDF : 8.3/11

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

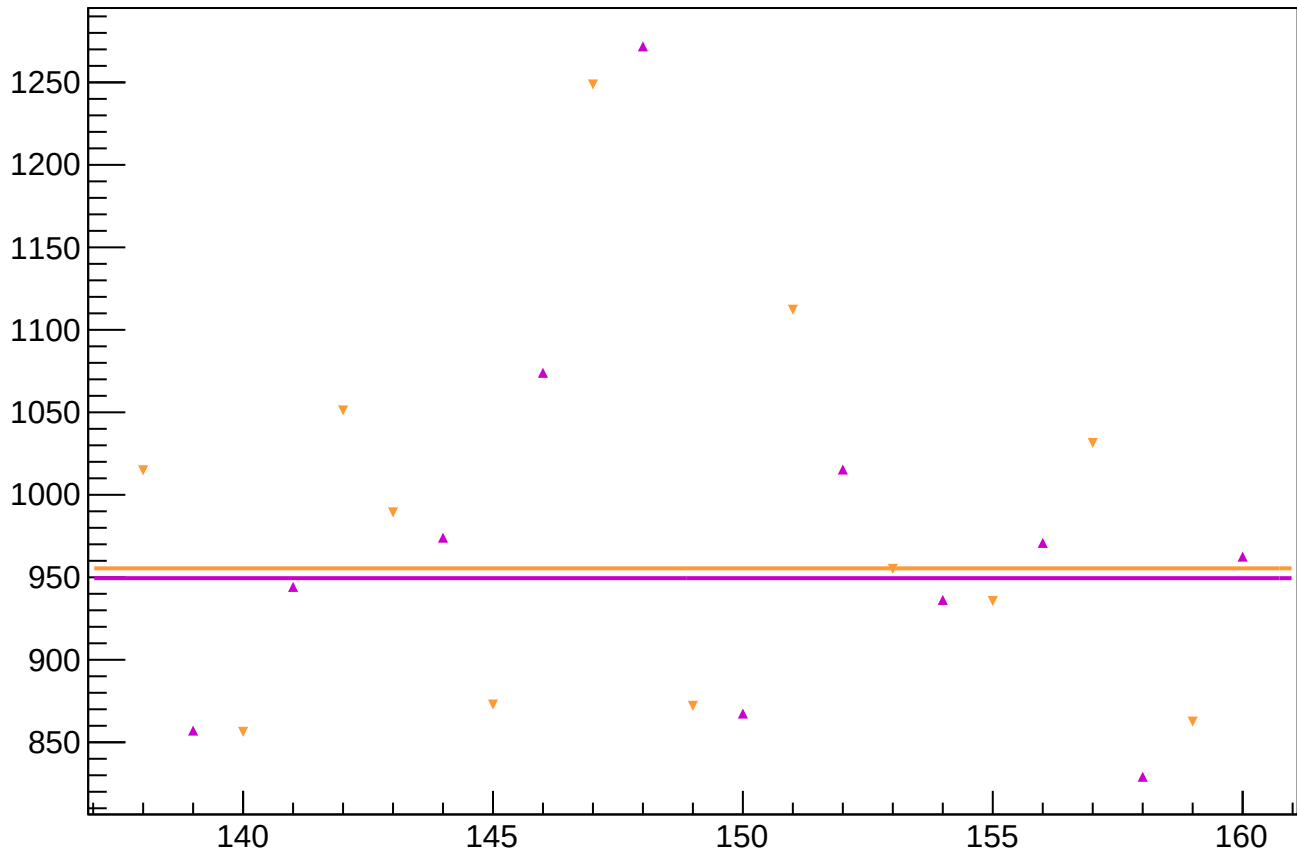
Left In: 505.936+/-319.870 χ^2/NDF : 17.3/10

-574.498+/-322.007 χ^2/NDF : 8.3/11

-30.685+/-226.934 χ^2/NDF : 31.3/22

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: 955.430+/-0.228 χ^2/NDF : 206636.4/11

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

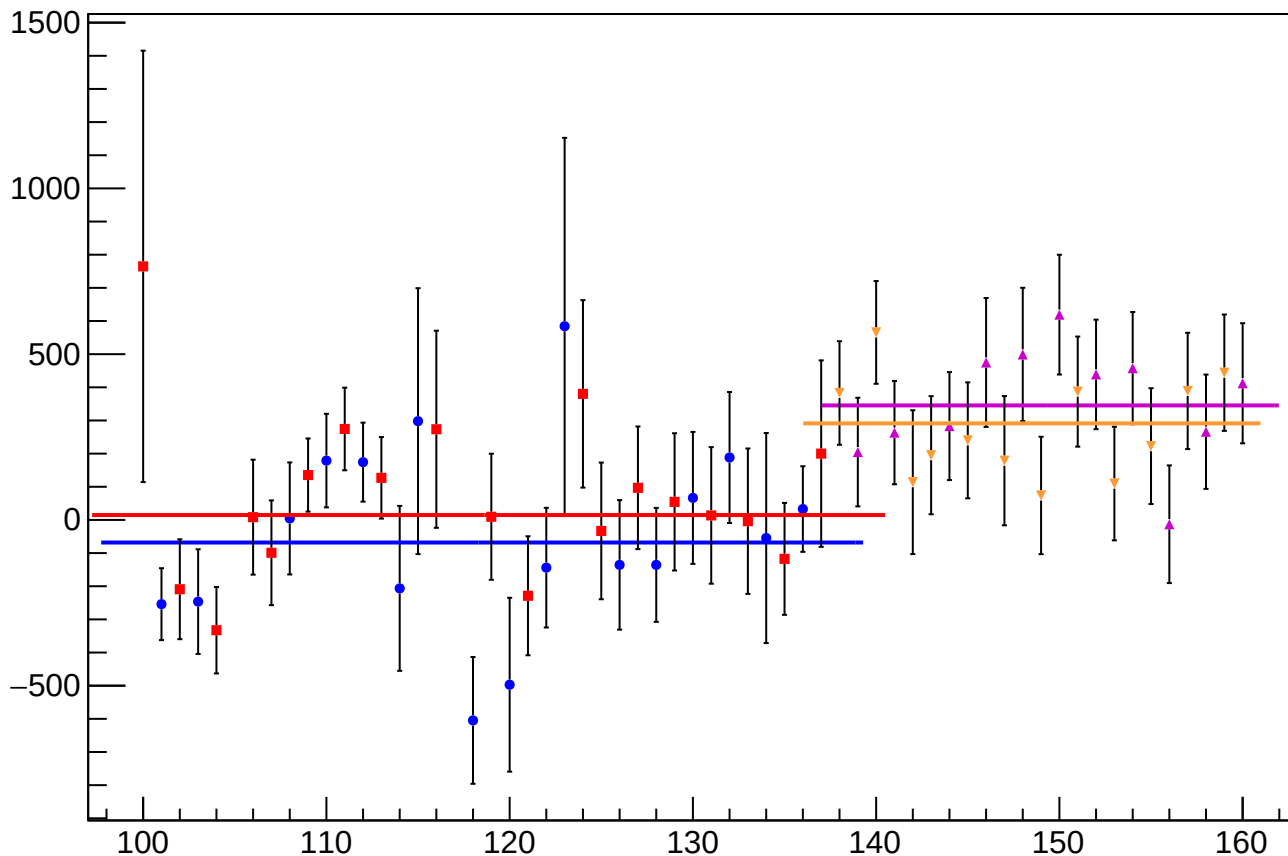
Left In: 949.479+/-0.226 χ^2/NDF : 198506.0/10

955.430+/-0.228 χ^2/NDF : 206636.4/11

952.435+/-0.160 χ^2/NDF : 405486.2/22

949.479+/-0.226 χ^2/NDF : 198506.0/10

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 291.277 ± 50.350 χ^2/NDF : 9.0/11

Right Out: 14.800 ± 39.467 χ^2/NDF : 23.1/18

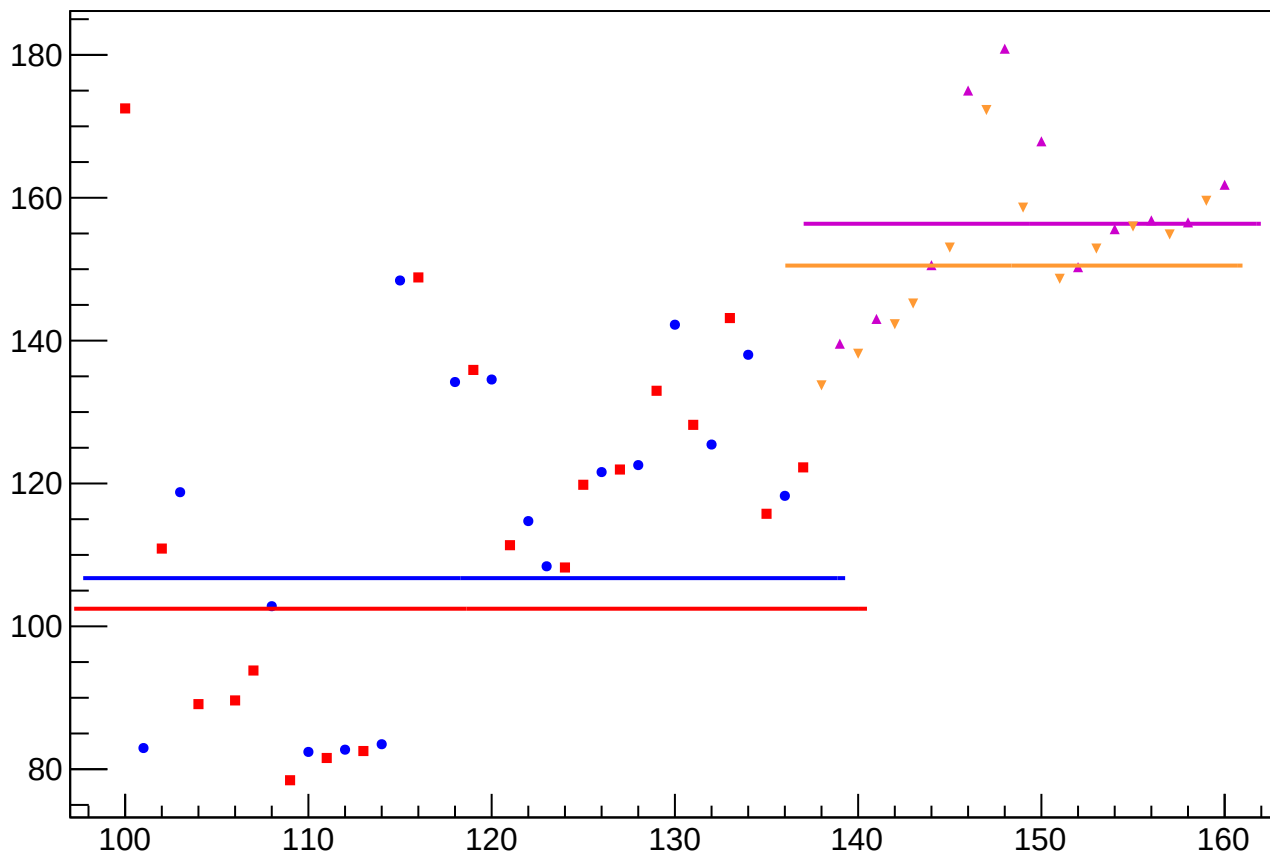
Left In: 345.403 ± 52.309 χ^2/NDF : 9.7/10

80.448 ± 32.372 χ^2/NDF : 66.8/28

108.323 ± 22.578 χ^2/NDF : 126.5/58

134.727 ± 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: 150.508 $\pm$ 0.036 χ^2 /NDF: 79135.6/11

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

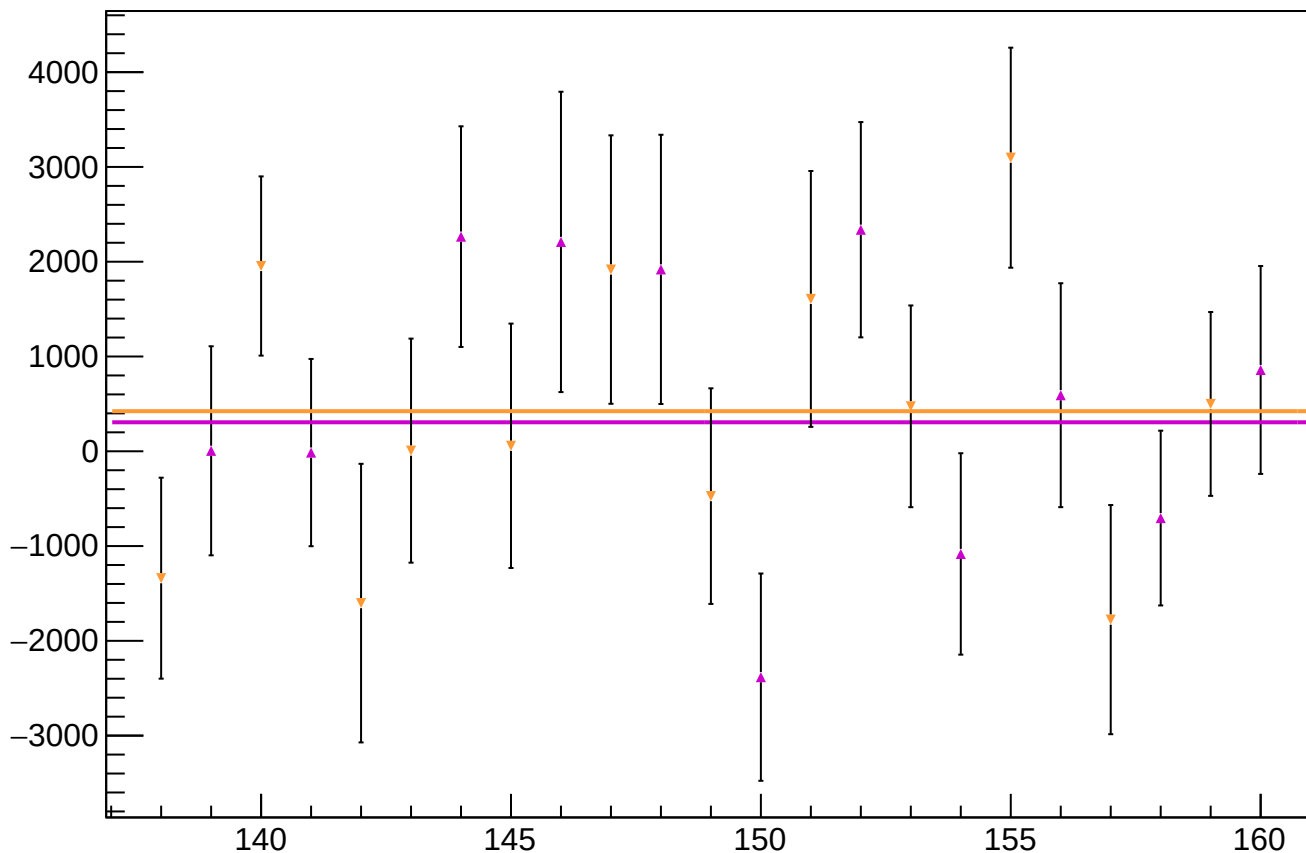
Left In: 156.361 $\pm$ 0.037 χ^2 /NDF: 99058.2/10

124.838 $\pm$ 0.023 χ^2 /NDF: 1467045.2/28

123.389 $\pm$ 0.016 χ^2 /NDF: 3516124.6/58

122.017 $\pm$ 0.022 χ^2 /NDF: 2041282.2/29

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 422.996 $\pm$ 333.665 χ^2 /NDF:18.6/11

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

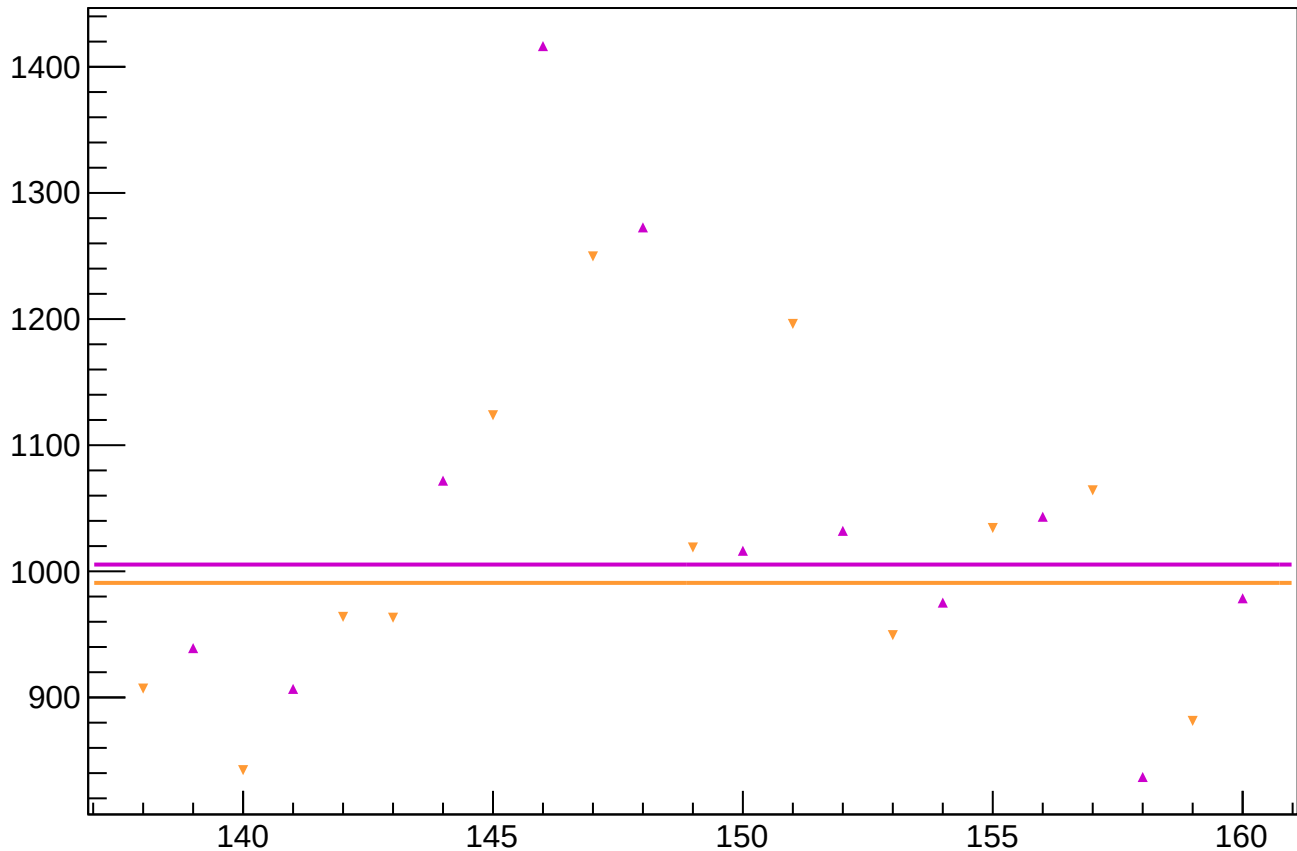
Left In: 305.842 $\pm$ 339.019 χ^2 /NDF:18.2/10

422.996 $\pm$ 333.665 χ^2 /NDF: 18.6/11

365.351 $\pm$ 237.807 χ^2 /NDF: 36.9/22

305.842 $\pm$ 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: 990.829+/-0.236 χ^2/NDF : 237859.7/11

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

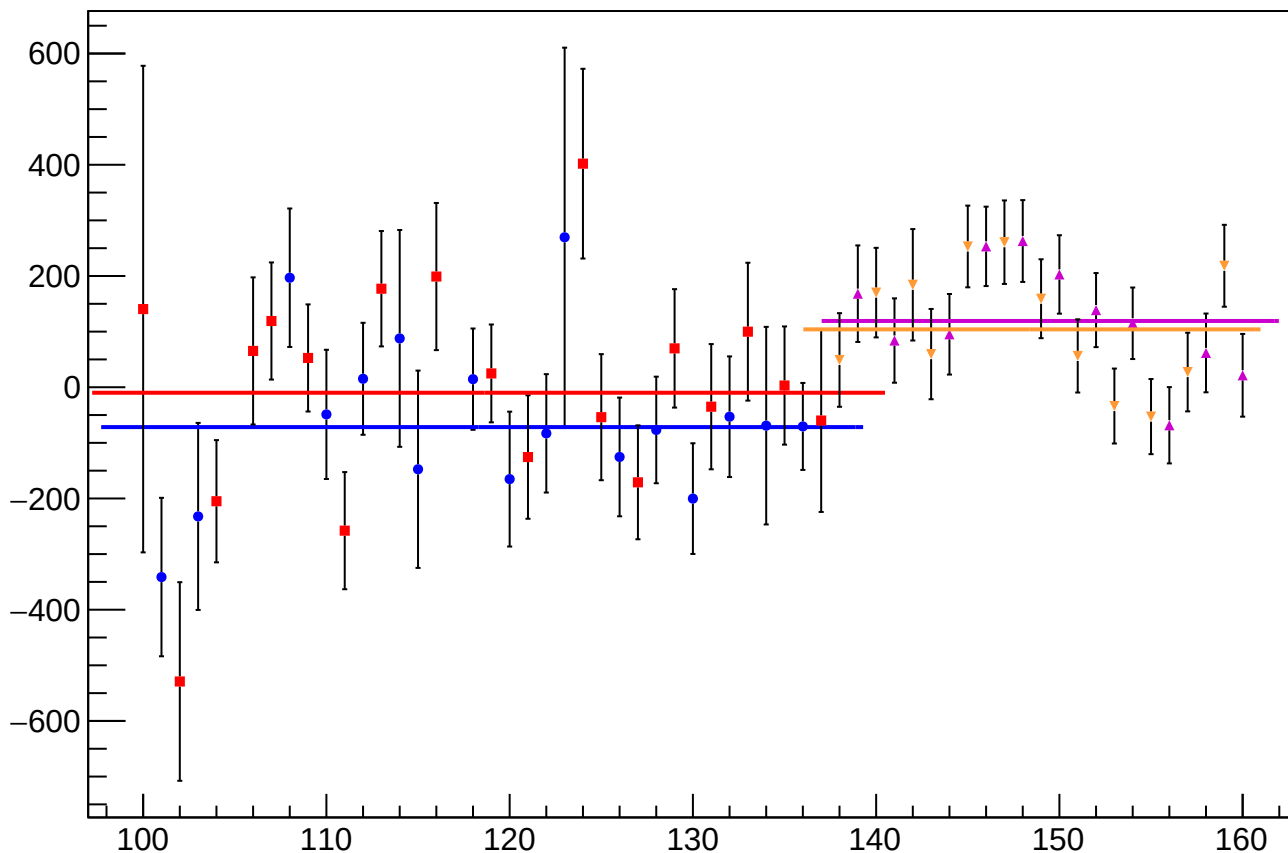
Left In: 1005.362+/-0.240 χ^2/NDF : 312056.6/10

990.829+/-0.236 χ^2/NDF : 237859.7/11

997.980+/-0.168 χ^2/NDF : 551783.2/22

1005.362+/-0.240 χ^2/NDF : 312056.6/10

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 104.042 ± 21.499 χ^2/NDF : 24.8/11

Right Out: -9.917 ± 26.816 χ^2/NDF : 36.5/18

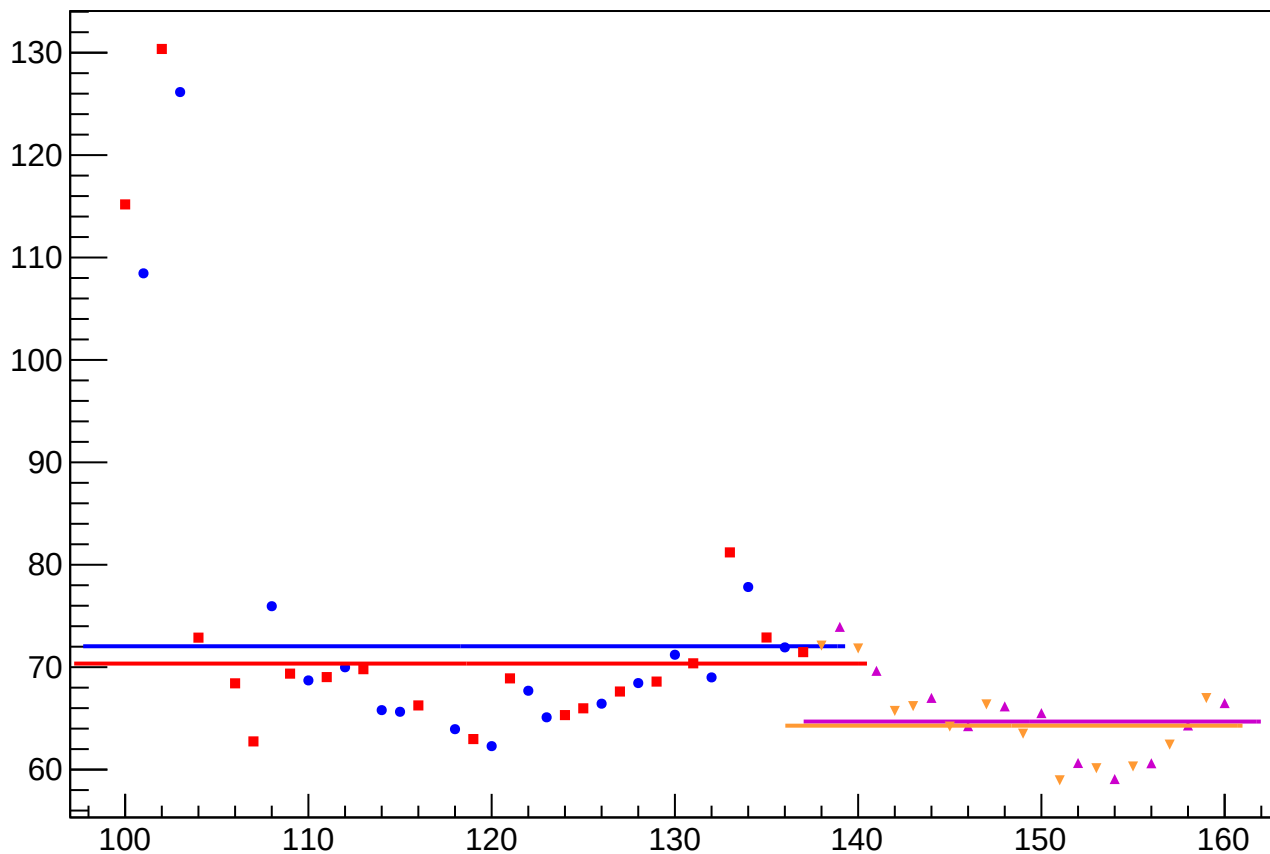
Left In: 119.140 ± 21.618 χ^2/NDF : 19.4/10

39.911 ± 17.132 χ^2/NDF : 64.4/28

54.360 ± 12.006 χ^2/NDF : 135.7/58

68.304 ± 16.830 χ^2/NDF : 69.9/29

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 ± 0.020 χ^2/NDF : 391971.7/16

Left Out: 64.288 ± 0.015 χ^2/NDF : 69850.1/11

Right Out: 70.351 ± 0.019 χ^2/NDF : 299005.5/18

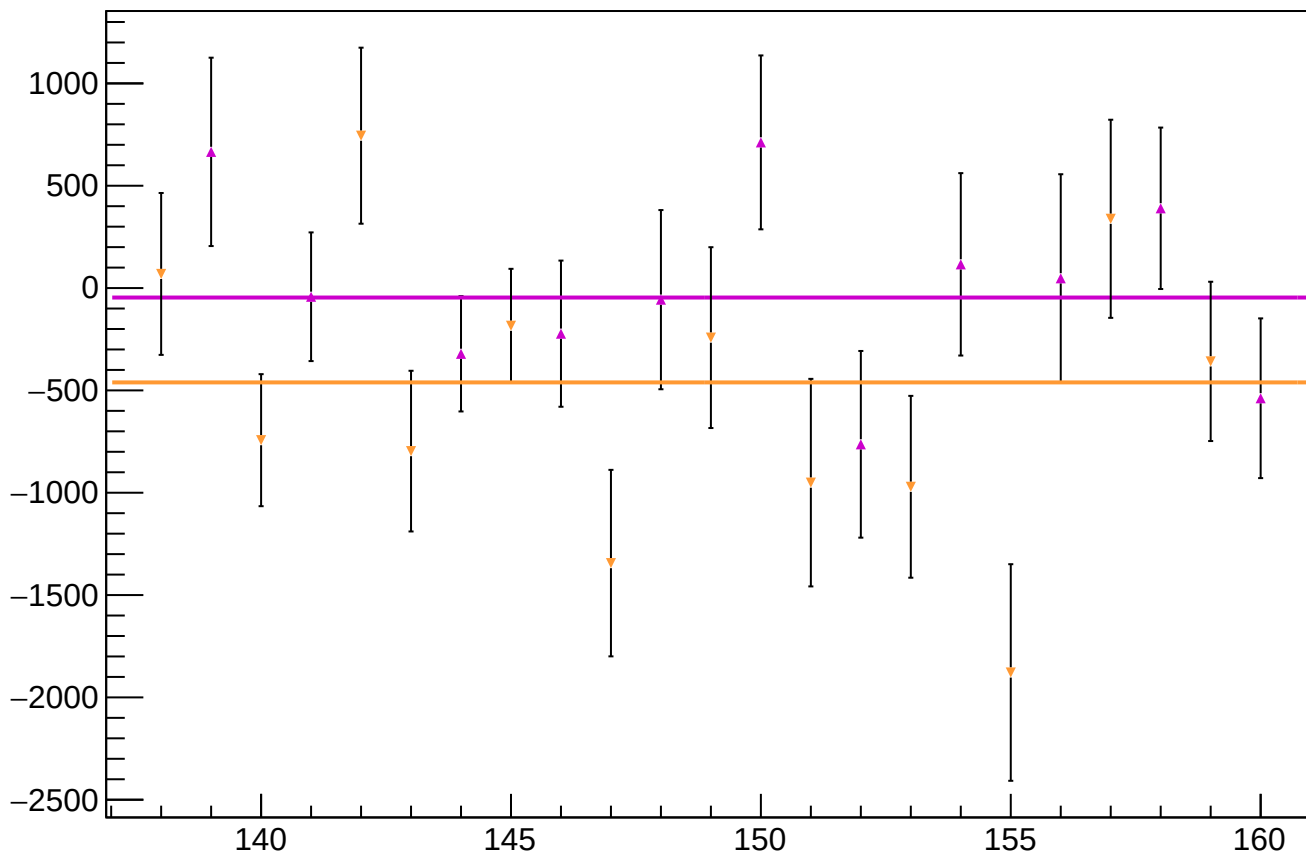
Left In: 64.689 ± 0.015 χ^2/NDF : 65350.3/10

67.118 ± 0.012 χ^2/NDF : 556780.2/28

67.017 ± 0.008 χ^2/NDF : 975310.2/58

66.919 ± 0.012 χ^2/NDF : 418392.7/29

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -460.979 $\pm$ 116.120 χ^2 /NDF:28.4/11

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

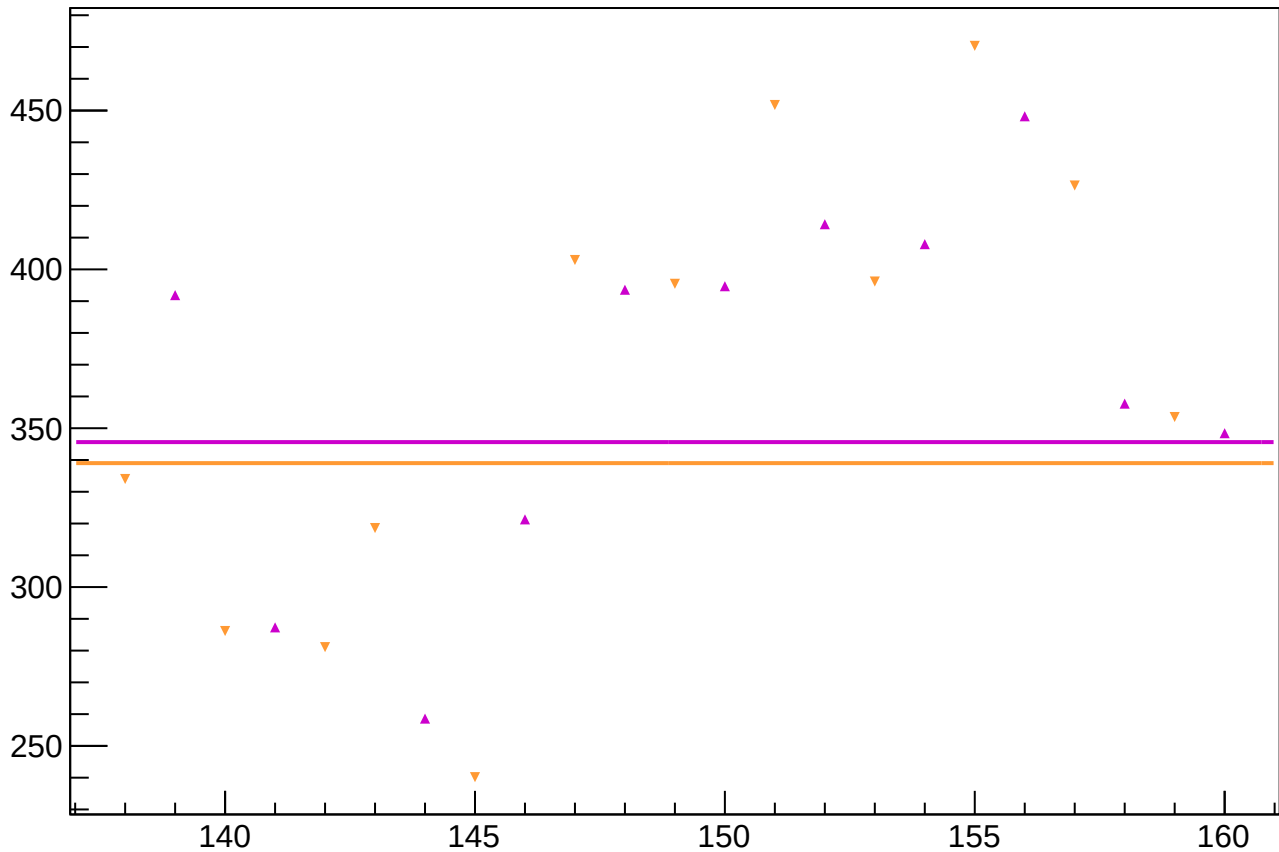
Left In: -46.267 $\pm$ 117.241 χ^2 /NDF:12.2/10

-460.979 $\pm$ 116.120 χ^2 /NDF: 28.4/11

-255.615 $\pm$ 82.502 χ^2 /NDF: 46.9/22

-46.267 $\pm$ 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: 339.014+/-0.082 χ^2/NDF : 743508.6/11

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

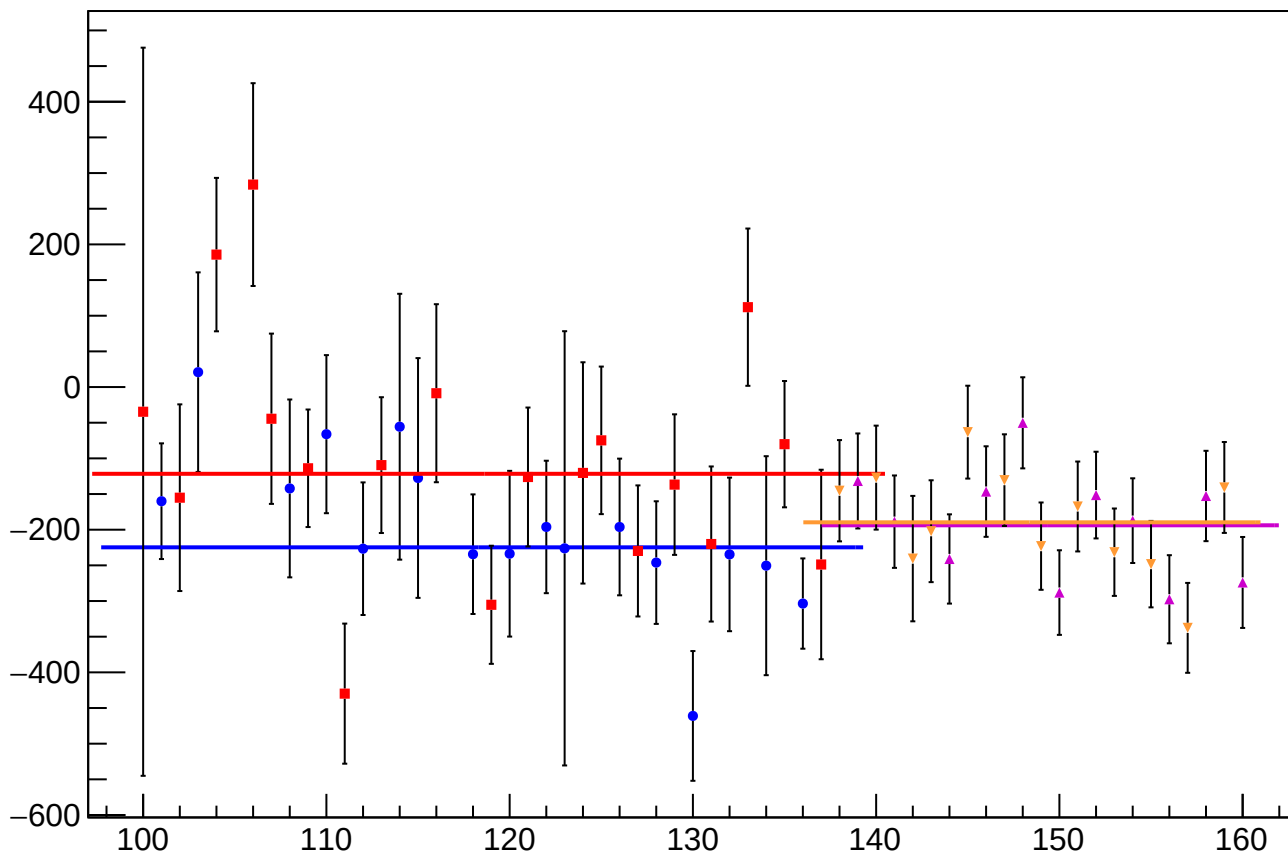
Left In: 345.630+/-0.083 χ^2/NDF : 507632.5/10

339.014+/-0.082 χ^2/NDF : 743508.6/11

342.290+/-0.058 χ^2/NDF : 1254356.7/22

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: -189.650 ± 19.085 $\chi^2/\text{NDF}: 14.0/11$

Right Out: -121.633 ± 24.599 $\chi^2/\text{NDF}: 40.5/18$

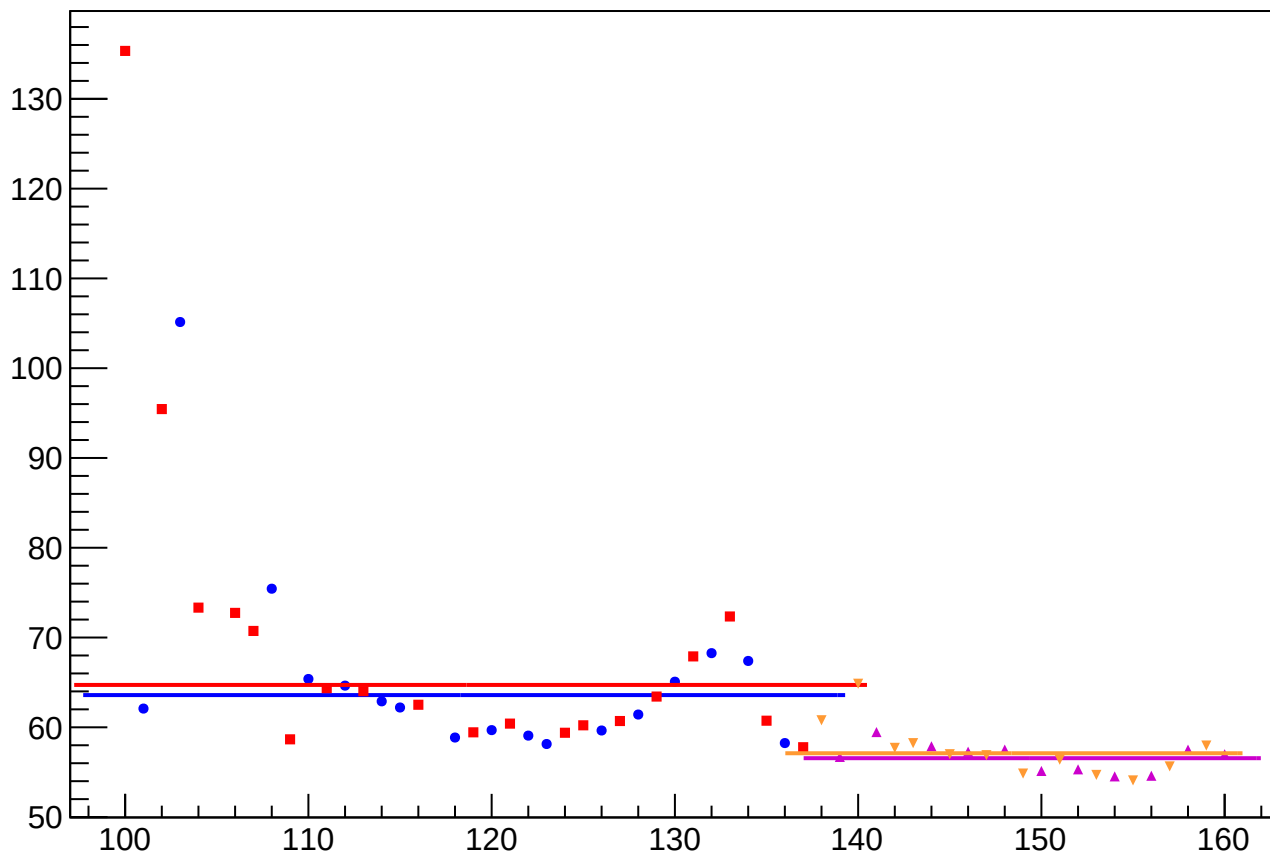
Left In: -193.827 ± 18.869 $\chi^2/\text{NDF}: 14.9/10$

-202.644 ± 15.143 $\chi^2/\text{NDF}: 31.3/28$

-184.662 ± 10.647 $\chi^2/\text{NDF}: 94.9/58$

-167.084 ± 14.972 $\chi^2/\text{NDF}: 60.8/29$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 57.110 $\pm$ 0.013 χ^2 /NDF: 41068.8/11

Right Out: 64.720 $\pm$ 0.017 χ^2 /NDF: 227506.4/18

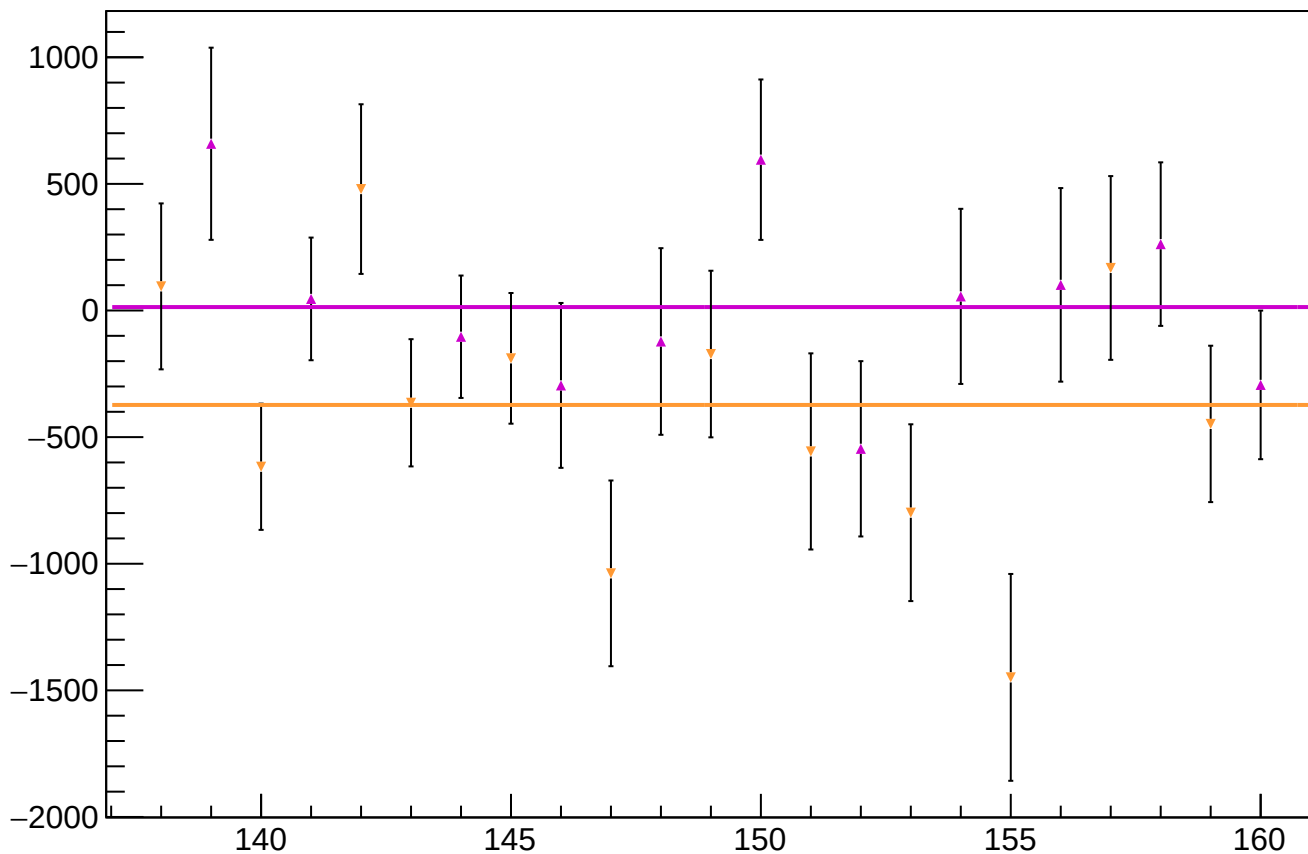
Left In: 56.560 $\pm$ 0.013 χ^2 /NDF: 12525.1/10

59.510 $\pm$ 0.011 χ^2 /NDF: 361046.3/28

59.547 $\pm$ 0.008 χ^2 /NDF: 739657.1/58

59.583 $\pm$ 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: -372.922+/-90.980 χ^2/NDF : 24.6/11

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

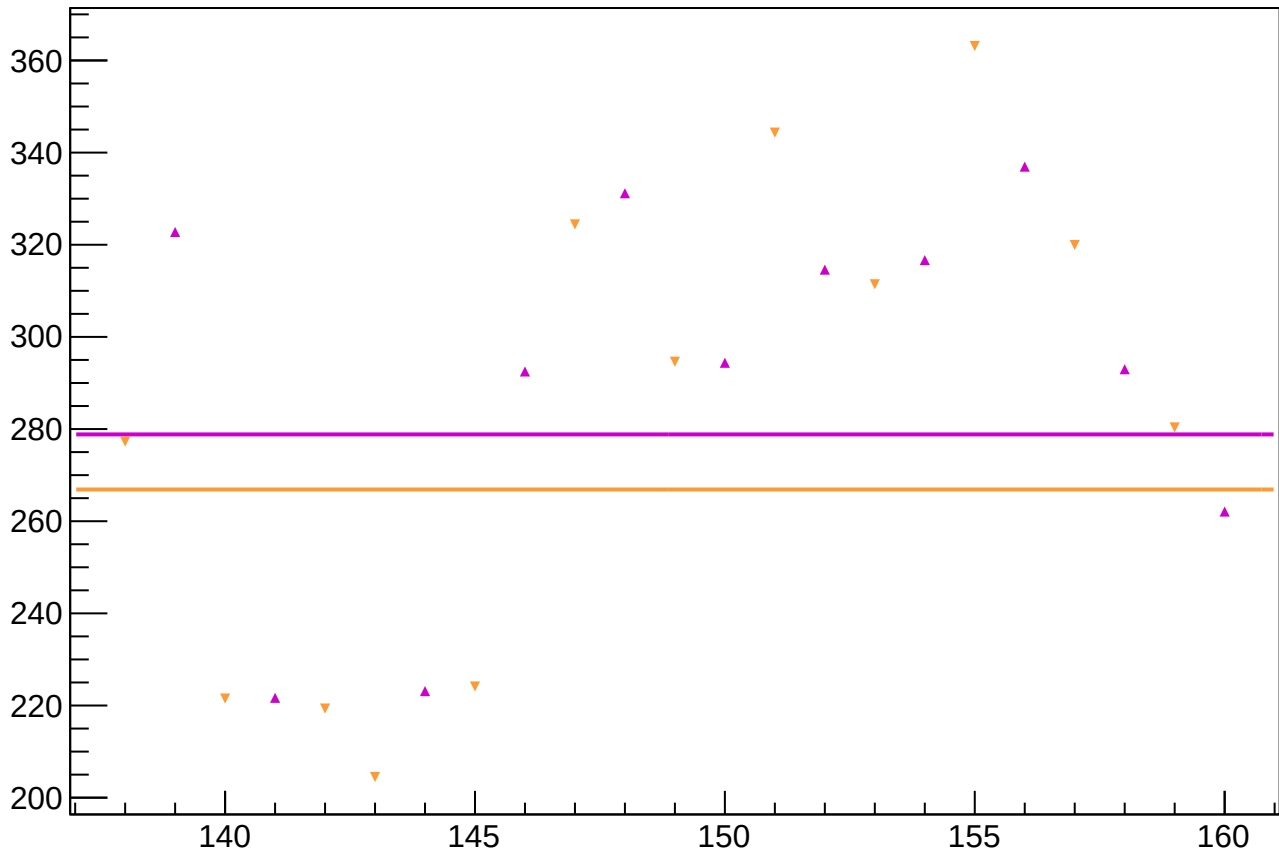
Left In: 13.572+/-94.220 χ^2/NDF : 11.9/10

-372.922+/-90.980 χ^2/NDF : 24.6/11

-186.435+/-65.448 χ^2/NDF : 45.2/22

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: 266.881+/-0.064 χ^2/NDF : 620477.0/11

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

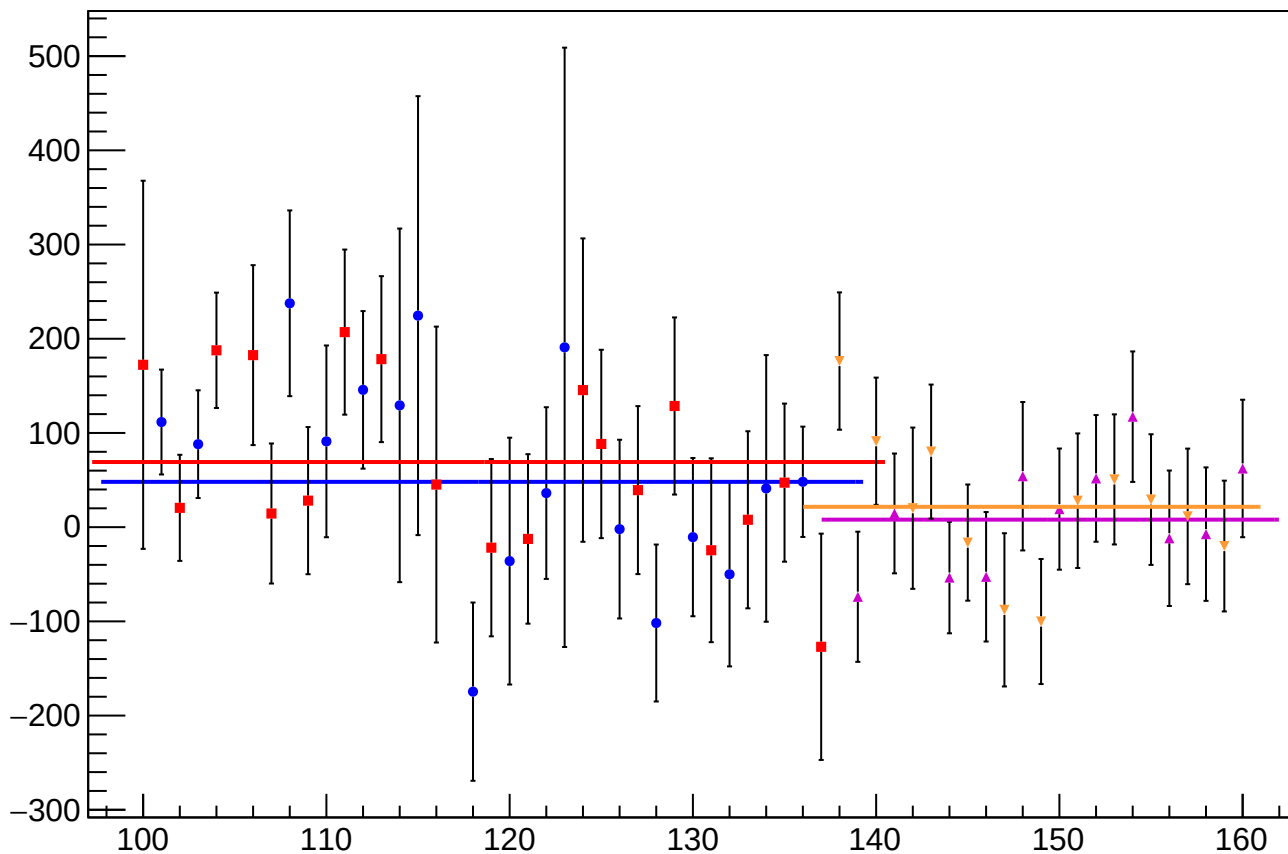
Left In: 278.838+/-0.067 χ^2/NDF : 395102.4/10

266.881+/-0.064 χ^2/NDF : 620477.0/11

272.650+/-0.046 χ^2/NDF : 1032246.6/22

278.838+/-0.067 χ^2/NDF : 395102.4/10

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109 $\pm$ 21.510 χ^2/NDF : 19.0/16

Left Out: 21.584 $\pm$ 20.424 χ^2/NDF :12.4/11

Right Out: 69.156 $\pm$ 20.407 χ^2/NDF : 17.7/18

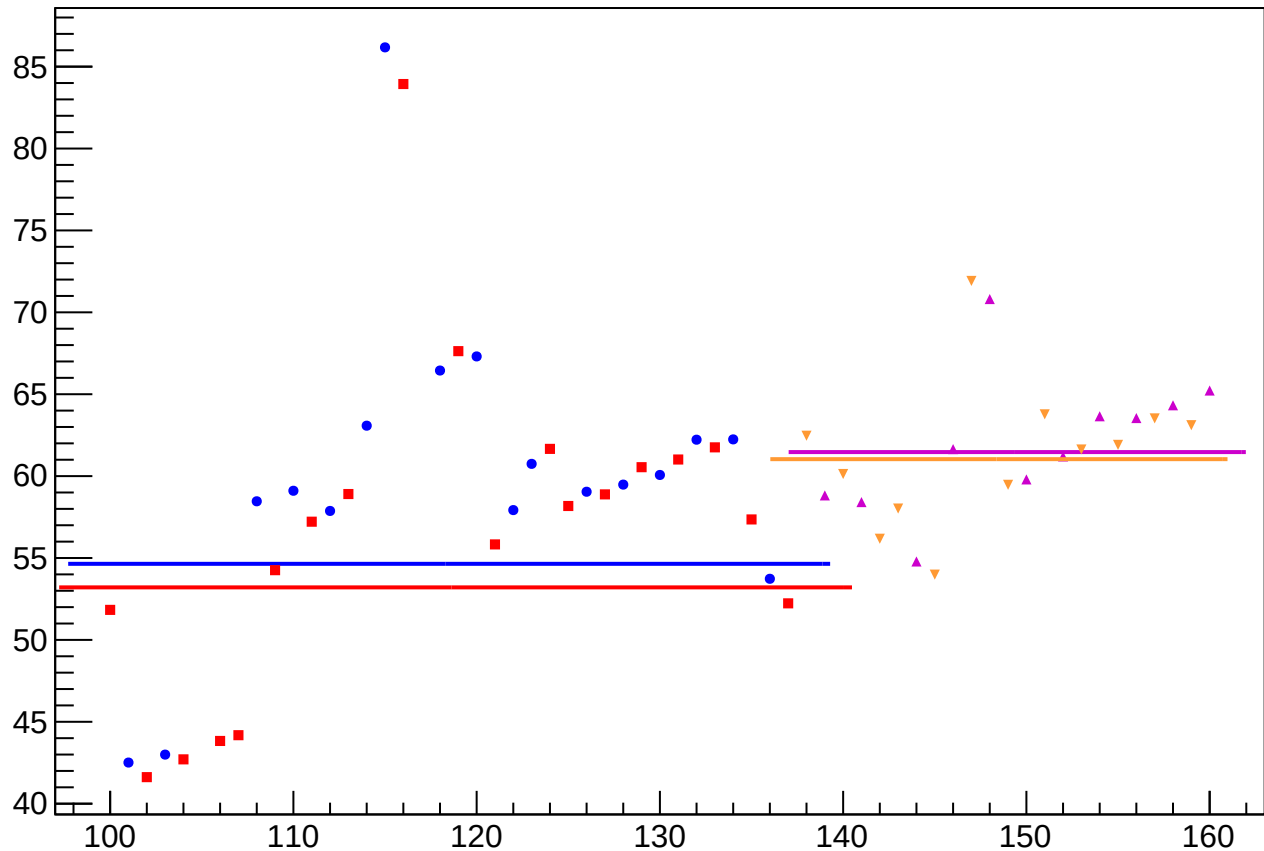
Left In: 7.983 $\pm$ 20.554 χ^2/NDF :7.2/10

34.160 $\pm$ 14.811 χ^2/NDF : 32.2/28

36.526 $\pm$ 10.355 χ^2/NDF : 61.5/58

38.788 $\pm$ 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: 61.035 $\pm$ 0.014 χ^2/NDF : 81816.5/11

Right Out: 53.207 $\pm$ 0.014 χ^2/NDF : 386295.2/18

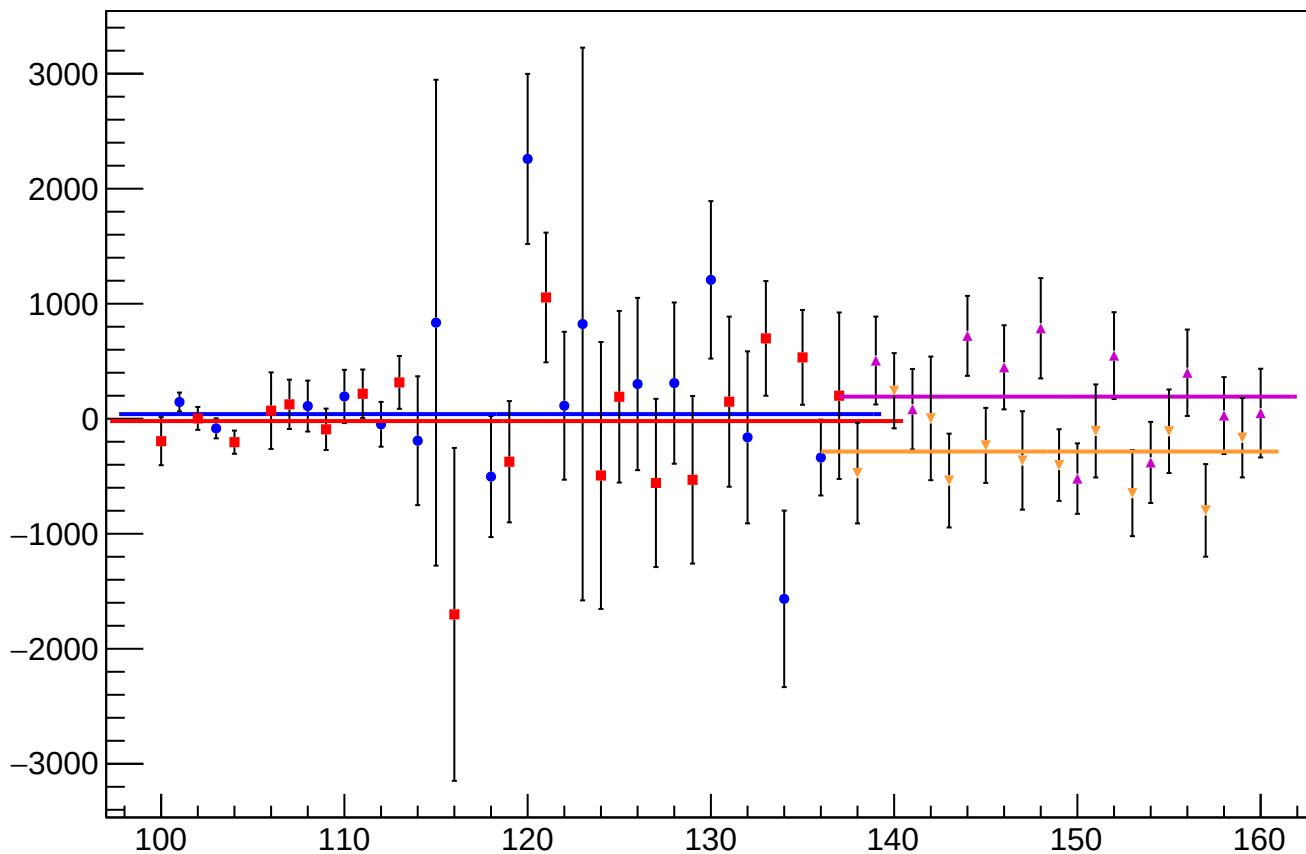
Left In: 61.468 $\pm$ 0.015 χ^2/NDF : 74760.8/10

58.005 $\pm$ 0.010 χ^2/NDF : 493944.0/28

57.649 $\pm$ 0.007 χ^2/NDF : 1119955.9/58

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: -284.928 $\pm$ 108.699 χ^2 /NDF: 6.8/11

Right Out: -20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

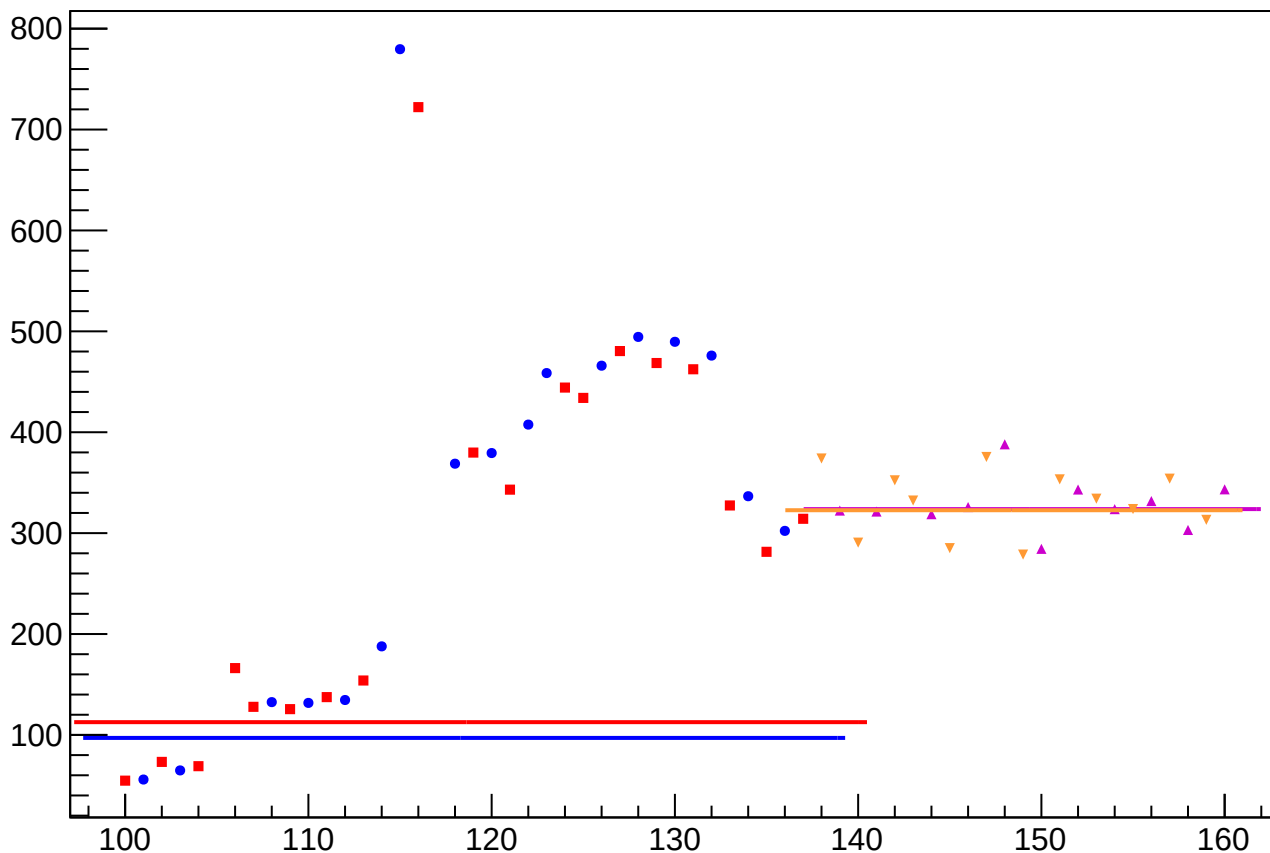
Left In: 192.140 $\pm$ 108.776 χ^2 /NDF: 15.1/10

-19.478 $\pm$ 46.572 χ^2 /NDF: 37.9/28

0.145 $\pm$ 33.372 χ^2 /NDF: 75.3/58

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 $\pm$ 0.036 χ^2/NDF : 5819709.2/16

Left Out: 322.706 $\pm$ 0.077 χ^2/NDF : 177784.8/11

Right Out: 112.653 $\pm$ 0.038 χ^2/NDF : 5036306.5/18

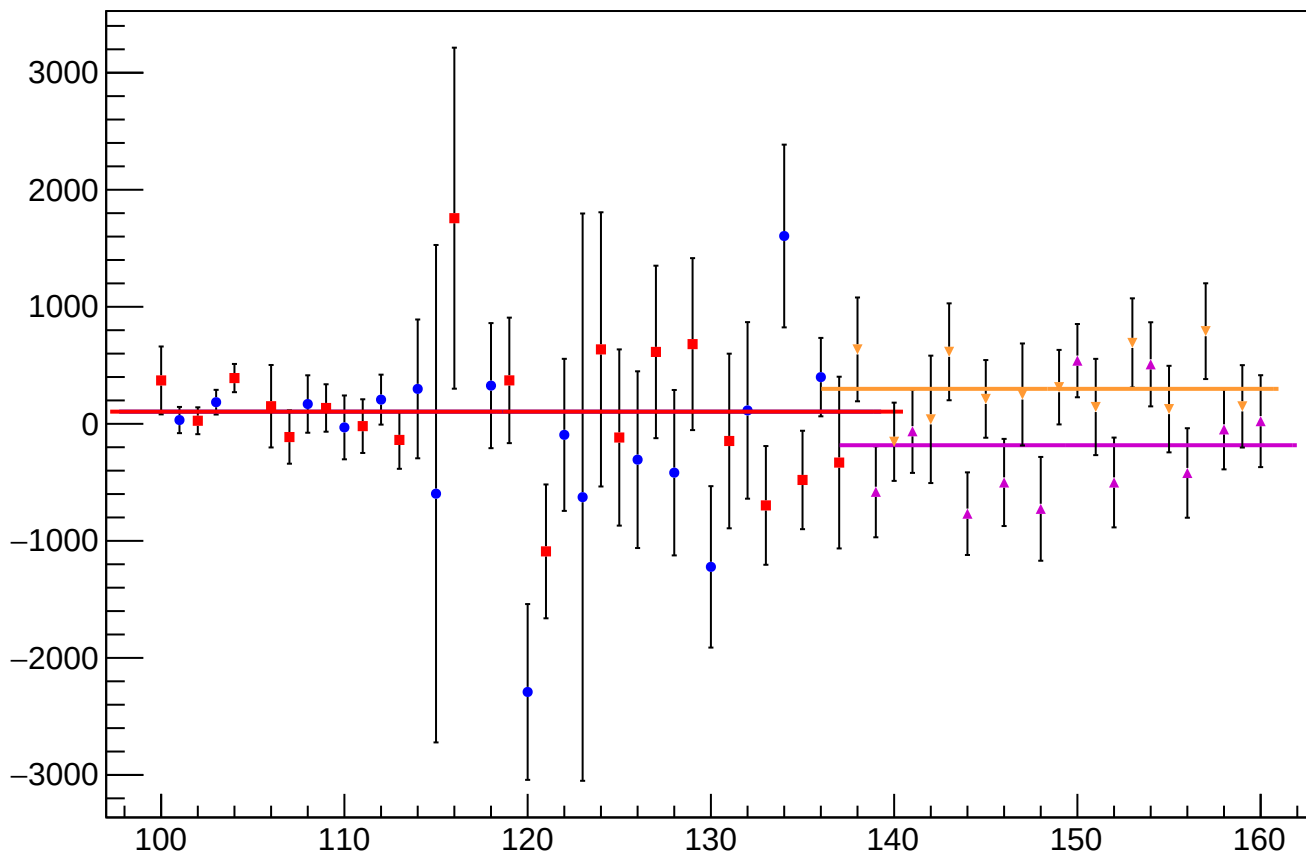
Left In: 323.822 $\pm$ 0.077 χ^2/NDF : 96052.2/10

138.464 $\pm$ 0.033 χ^2/NDF : 13035289.8/28

145.782 $\pm$ 0.024 χ^2/NDF : 24348375.5/58

153.506 $\pm$ 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: 298.939 $\pm$ 110.692 χ^2 /NDF: 6.4/11

Right Out: 104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

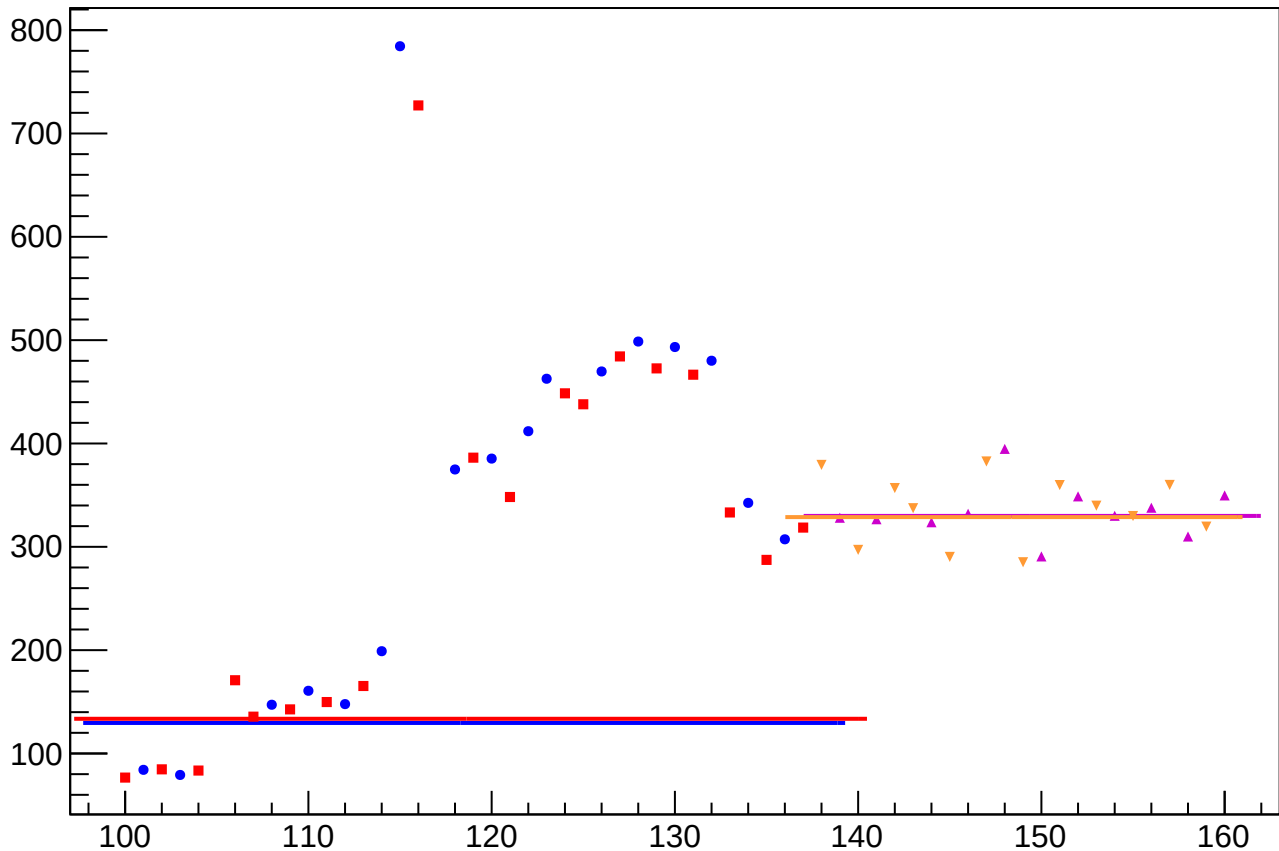
Left In: -182.840 $\pm$ 110.785 χ^2 /NDF: 16.7/10

151.876 $\pm$ 54.856 χ^2 /NDF: 30.0/28

93.144 $\pm$ 38.241 χ^2 /NDF: 75.4/58

37.615 $\pm$ 53.339 χ^2 /NDF: 43.2/29

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 +/- 0.045 χ^2/NDF : 4772450.4/16

Left Out: 328.763 +/- 0.078 χ^2/NDF : 171313.9/11

Right Out: 133.593 +/- 0.043 χ^2/NDF : 4366252.1/18

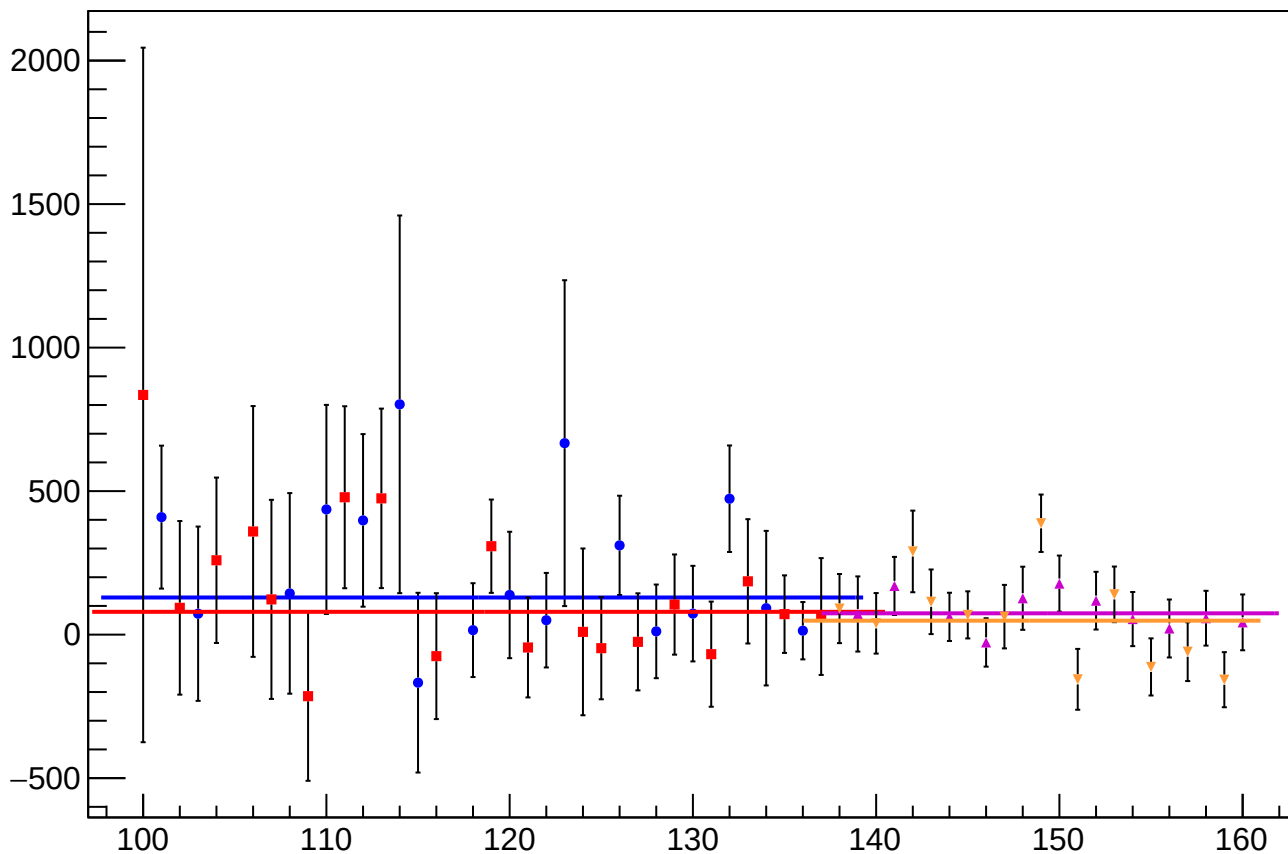
Left In: 329.914 +/- 0.078 χ^2/NDF : 92669.9/10

178.476 +/- 0.039 χ^2/NDF : 9830650.9/28

178.797 +/- 0.027 χ^2/NDF : 19114453.6/58

179.102 +/- 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: 48.601 $\pm$ 29.911 χ^2 /NDF: 27.9/11

Right Out: 79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

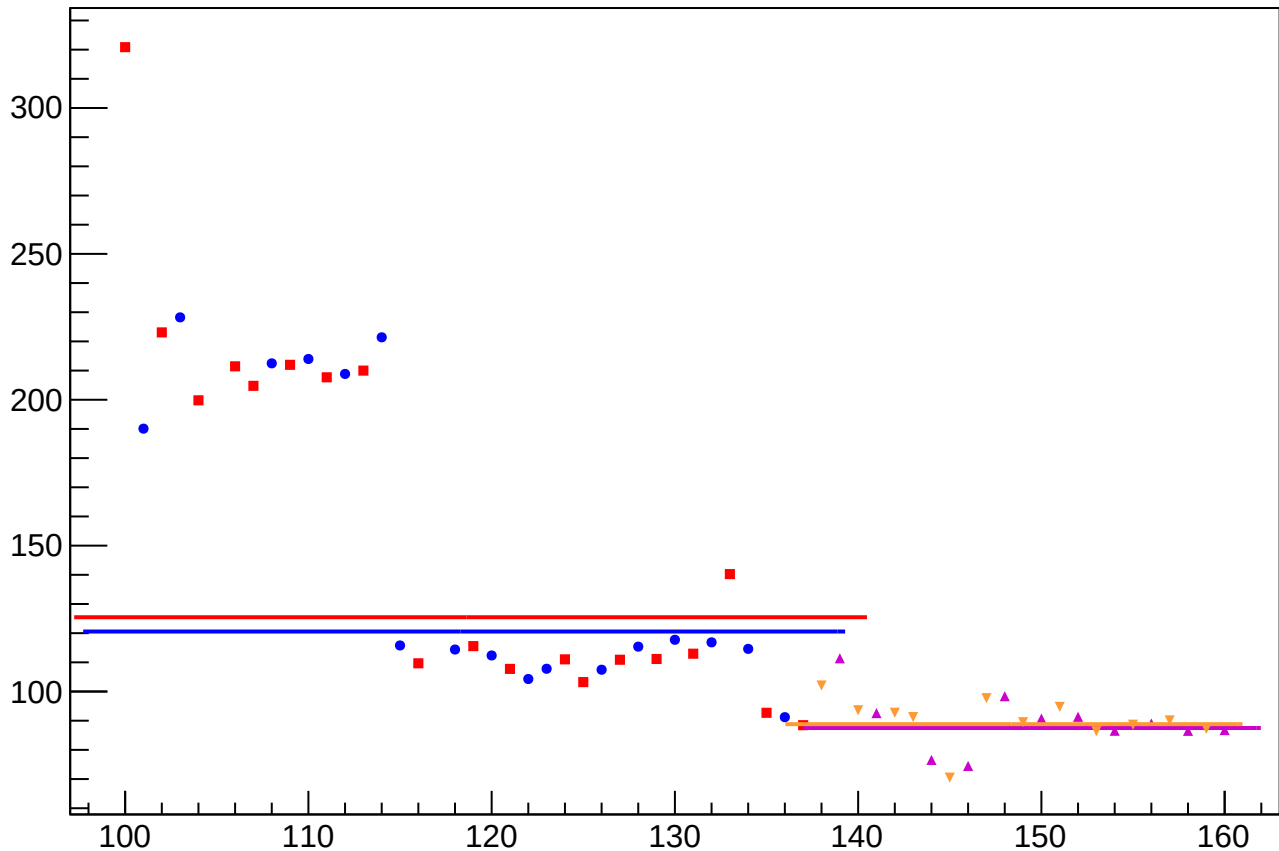
Left In: 74.273 $\pm$ 29.485 χ^2 /NDF: 4.4/10

70.456 $\pm$ 25.548 χ^2 /NDF: 42.8/28

73.056 $\pm$ 18.006 χ^2 /NDF: 57.4/58

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 +/- 0.035 χ^2/NDF : 1112076.4/16

Left Out: 88.812 +/- 0.021 χ^2/NDF : 151930.5/11

Right Out: 125.458 +/- 0.035 χ^2/NDF : 1333754.6/18

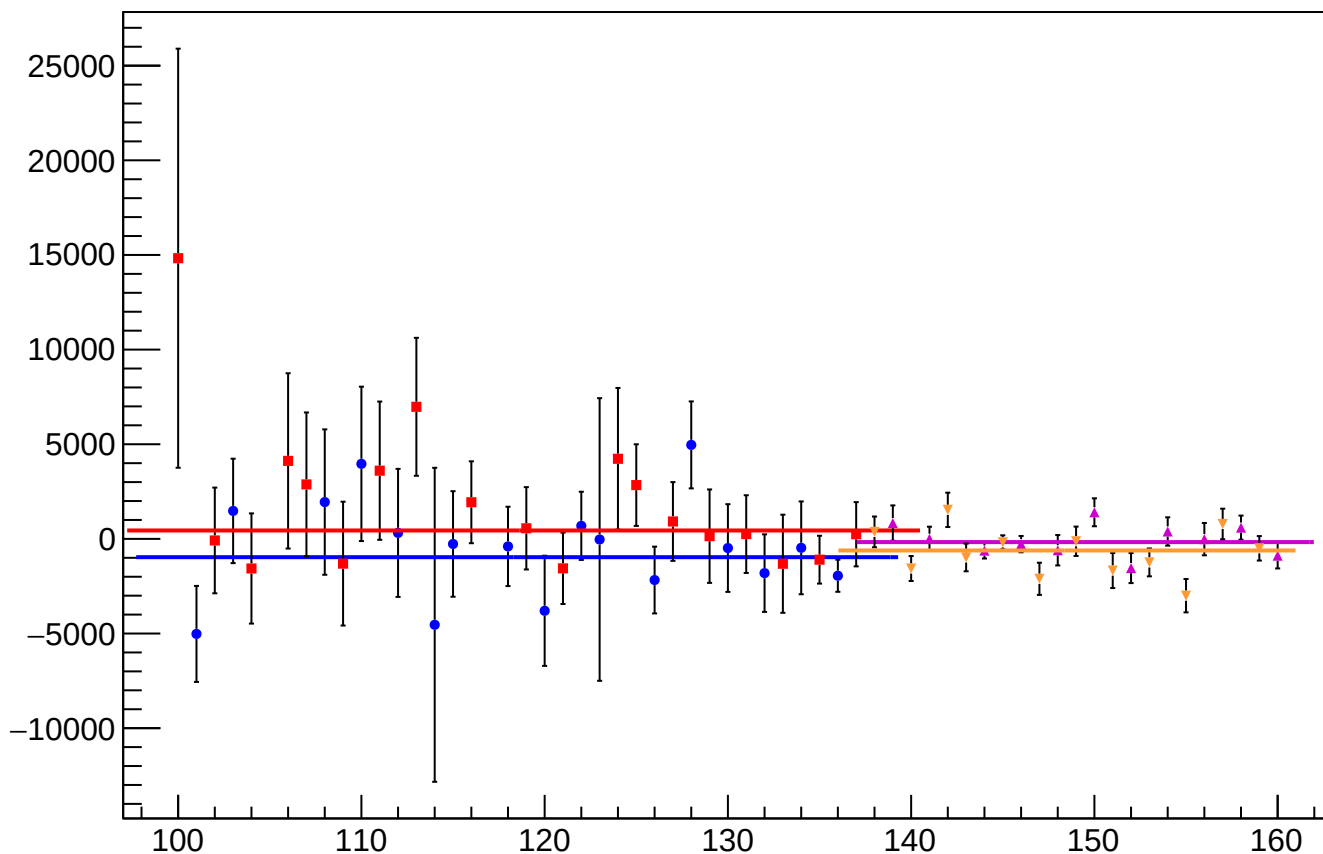
Left In: 87.496 +/- 0.021 χ^2/NDF : 178813.4/10

97.401 +/- 0.018 χ^2/NDF : 1873652.5/28

97.363 +/- 0.013 χ^2/NDF : 4244563.4/58

97.325 +/- 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: -611.562+/-198.275 χ^2/NDF : 26.7/11

Right Out: 444.406+/-545.370 χ^2/NDF : 13.4/18

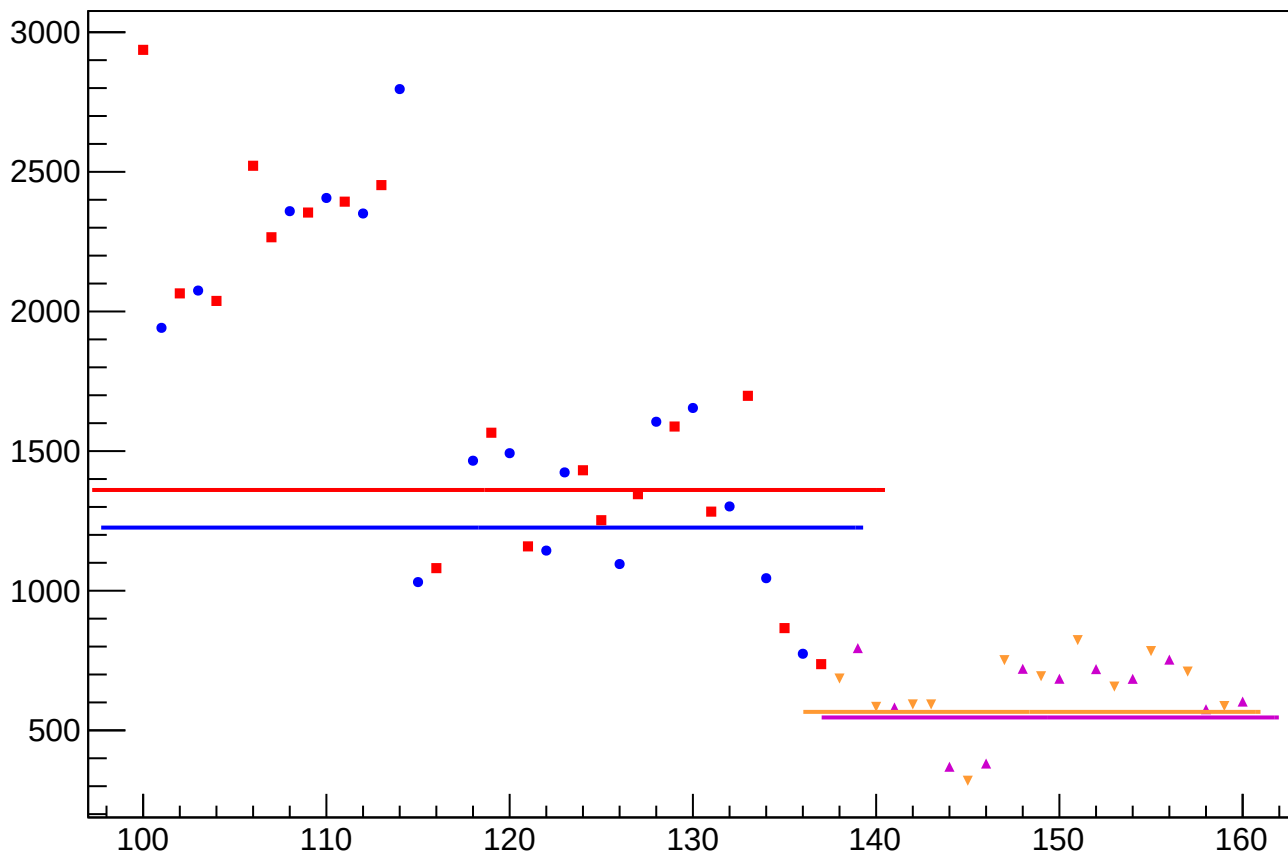
Left In: -169.561+/-190.500 χ^2/NDF : 13.5/10

-657.807+/-184.911 χ^2/NDF : 43.4/28

-372.593+/-128.923 χ^2/NDF : 76.1/58

-102.796+/-179.844 χ^2/NDF : 28.0/29

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135 $\pm$ 0.362 χ^2/NDF : 1756323.1/16

Left Out: 566.149 $\pm$ 0.140 χ^2/NDF : 1453423.6/11

Right Out: 1360.770 $\pm$ 0.386 χ^2/NDF : 1749074.9/18

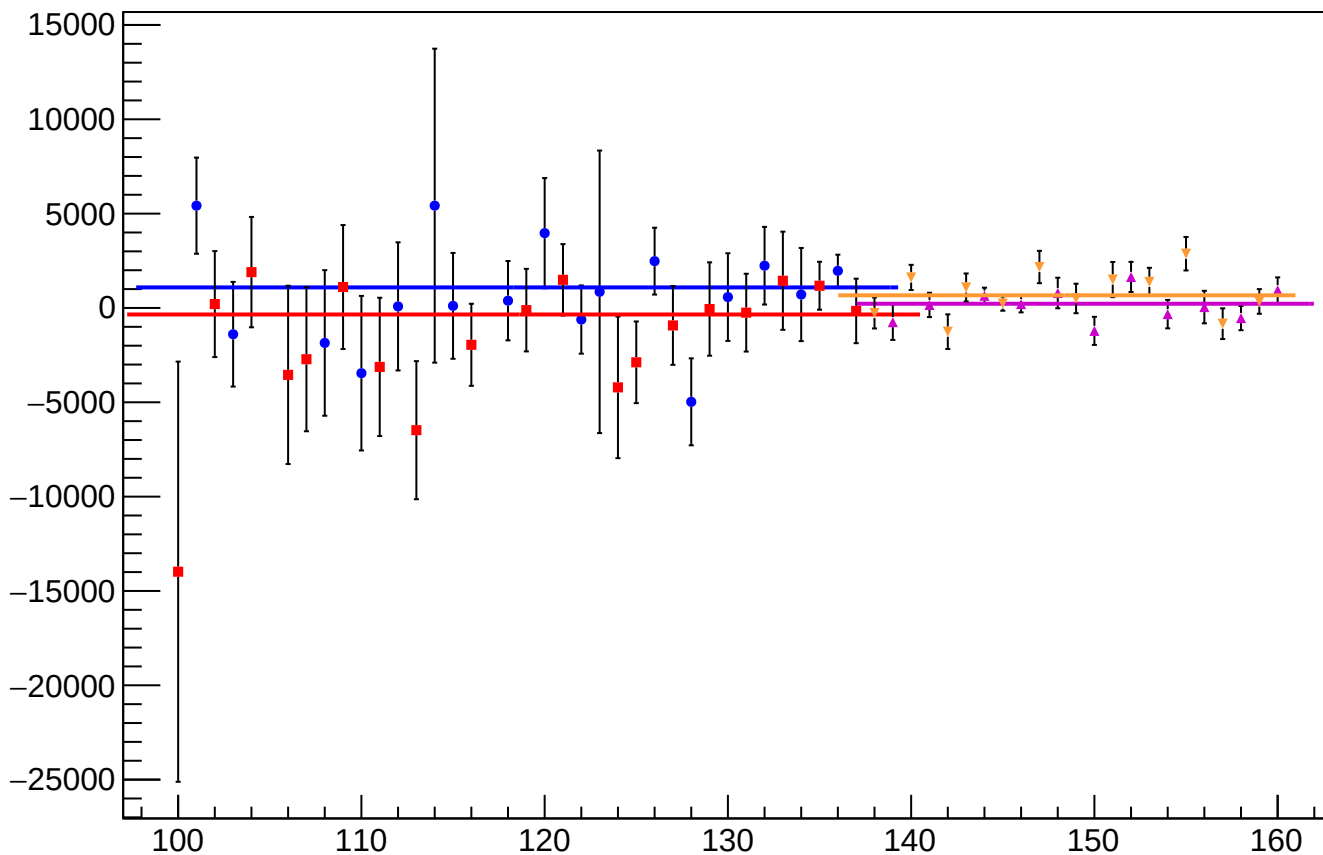
Left In: 546.151 $\pm$ 0.135 χ^2/NDF : 1264207.4/10

652.118 $\pm$ 0.131 χ^2/NDF : 6096253.3/28

643.186 $\pm$ 0.091 χ^2/NDF : 13095642.2/58

634.736 $\pm$ 0.127 χ^2/NDF : 6990307.5/29

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 ± 515.272 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 670.419 ± 201.160 $\chi^2/\text{NDF}: 24.0/11$

Right Out: -345.640 ± 548.191 $\chi^2/\text{NDF}: 12.5/18$

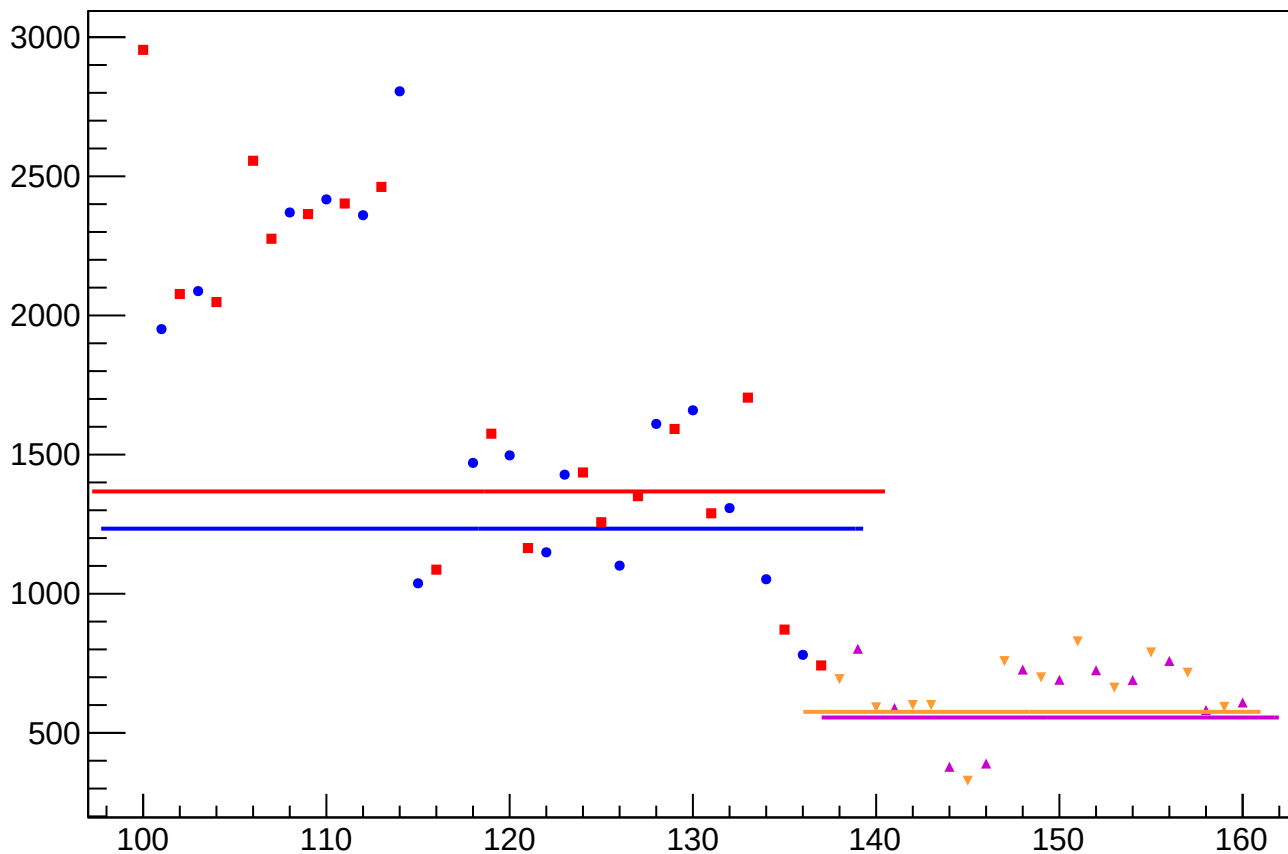
Left In: 222.767 ± 193.332 $\chi^2/\text{NDF}: 12.5/10$

725.786 ± 187.386 $\chi^2/\text{NDF}: 41.5/28$

435.093 ± 130.676 $\chi^2/\text{NDF}: 72.2/58$

159.890 ± 182.325 $\chi^2/\text{NDF}: 26.0/29$

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863 $\pm$ 0.364 χ^2/NDF : 1744048.5/16

Left Out: 575.676 $\pm$ 0.142 χ^2/NDF : 1382578.8/11

Right Out: 1367.609 $\pm$ 0.388 χ^2/NDF : 1744594.4/18

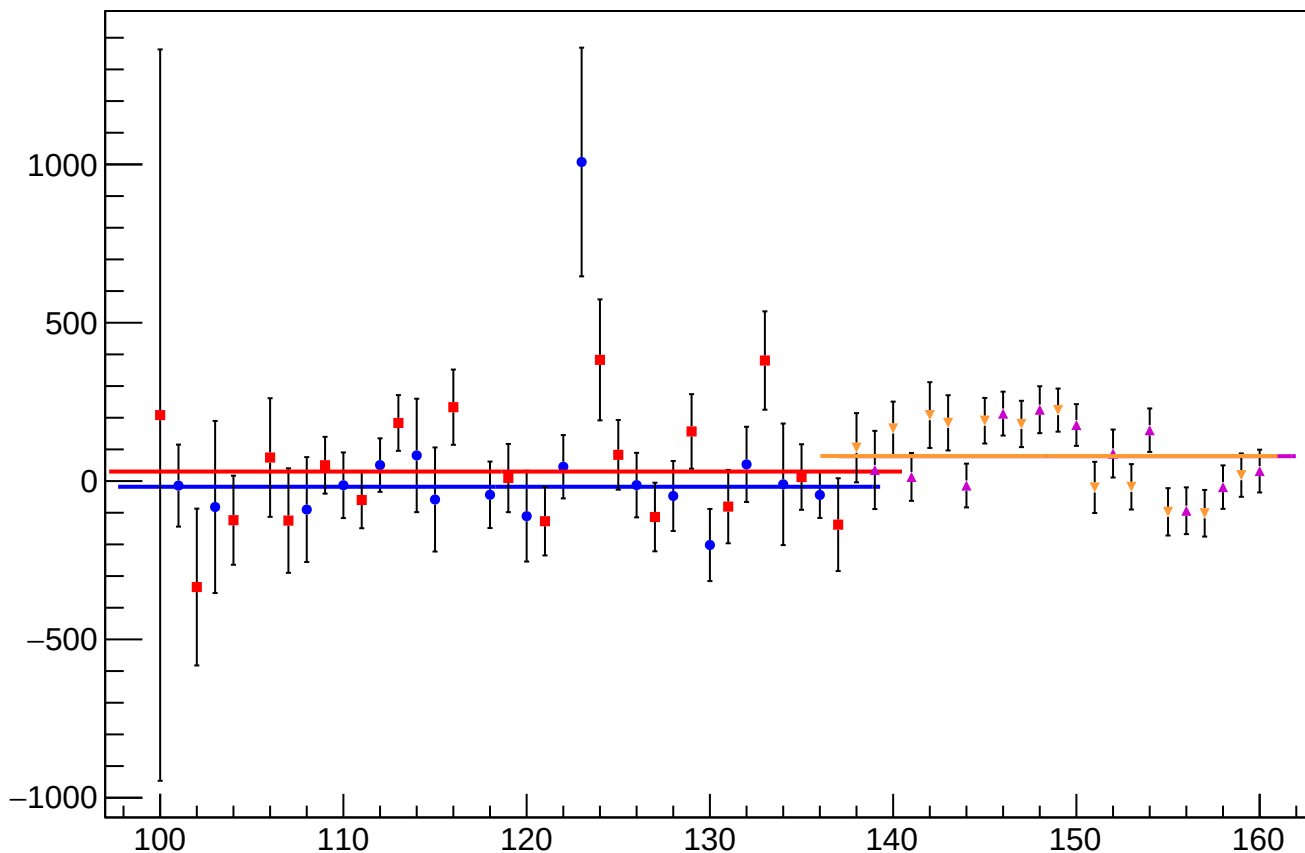
Left In: 555.296 $\pm$ 0.137 χ^2/NDF : 1208128.5/10

662.722 $\pm$ 0.133 χ^2/NDF : 5958340.2/28

653.697 $\pm$ 0.092 χ^2/NDF : 12825808.9/58

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 $\pm$ 28.848 χ^2/NDF : 13.4/16

Left Out: 79.166 $\pm$ 22.545 χ^2/NDF : 28.7/11

Right Out: 30.070 $\pm$ 27.976 χ^2/NDF : 27.4/18

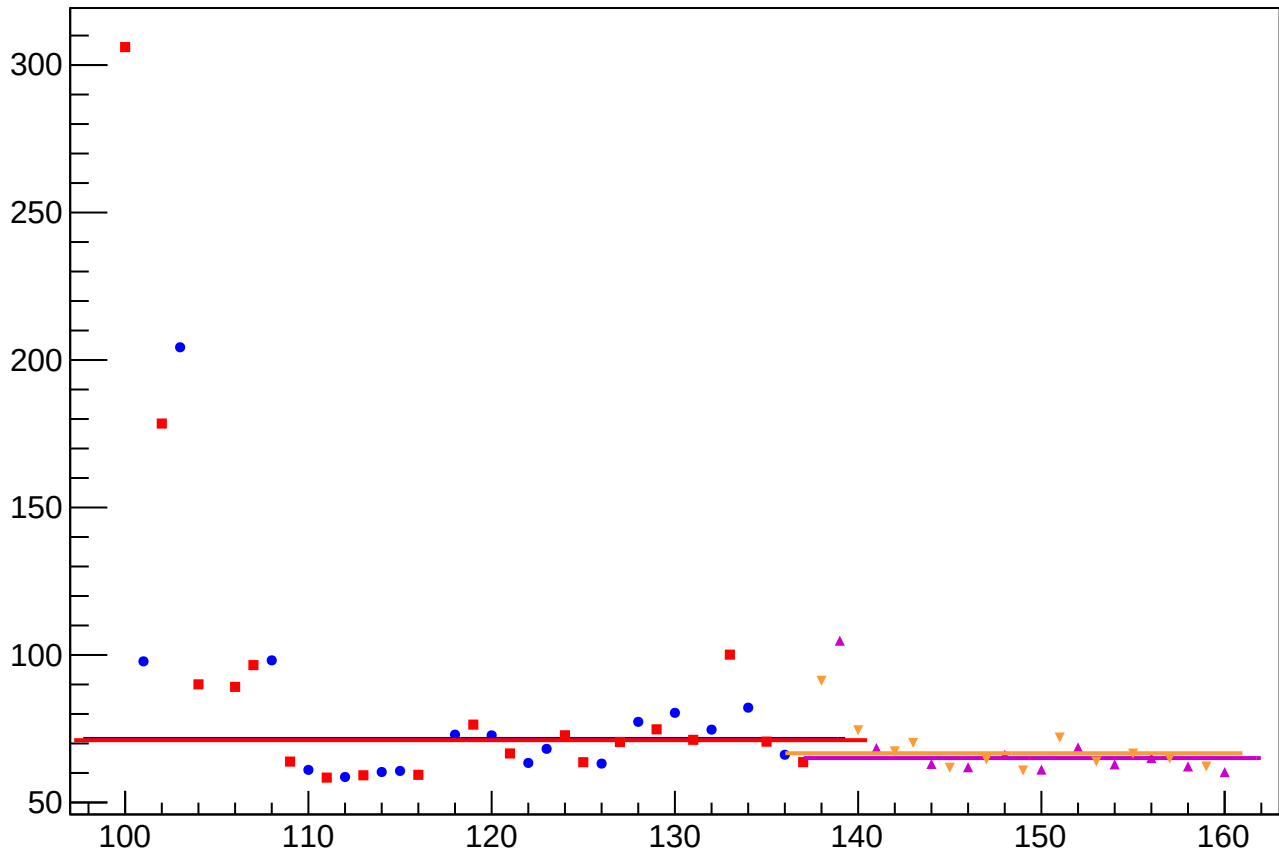
Left In: 78.553 $\pm$ 21.963 χ^2/NDF : 22.0/10

42.334 $\pm$ 17.764 χ^2/NDF : 49.1/28

51.447 $\pm$ 12.385 χ^2/NDF : 100.8/58

60.066 $\pm$ 17.275 χ^2/NDF : 51.3/29

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 66.693+/-0.016 χ^2/NDF : 168445.3/11

Right Out: 71.115+/-0.020 χ^2/NDF : 765159.2/18

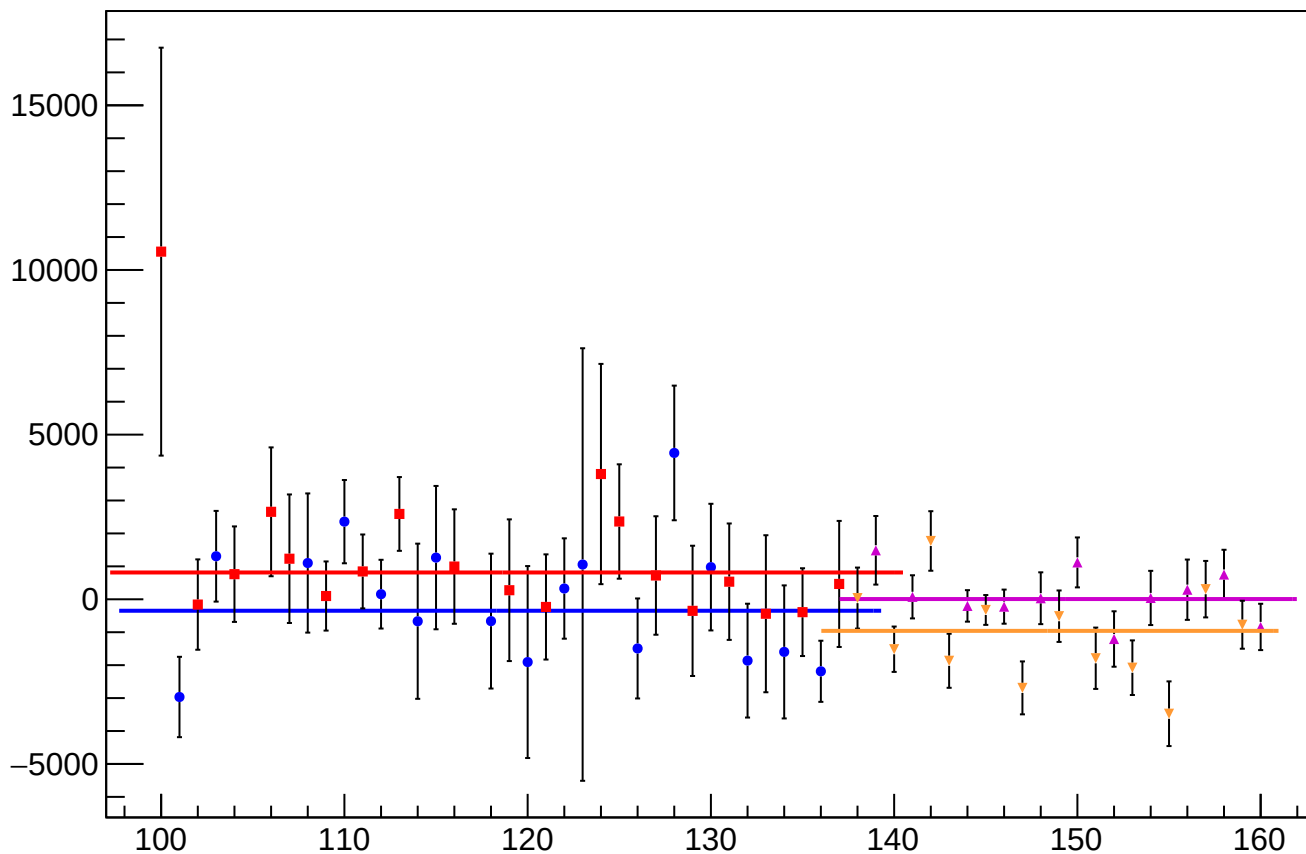
Left In: 65.051+/-0.016 χ^2/NDF : 244836.5/10

68.529+/-0.013 χ^2/NDF : 962405.8/28

67.930+/-0.009 χ^2/NDF : 2034958.9/58

67.363+/-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: -958.928 ± 218.551 χ^2/NDF : 30.5/11

Right Out: 814.154 ± 369.807 χ^2/NDF : 10.5/18

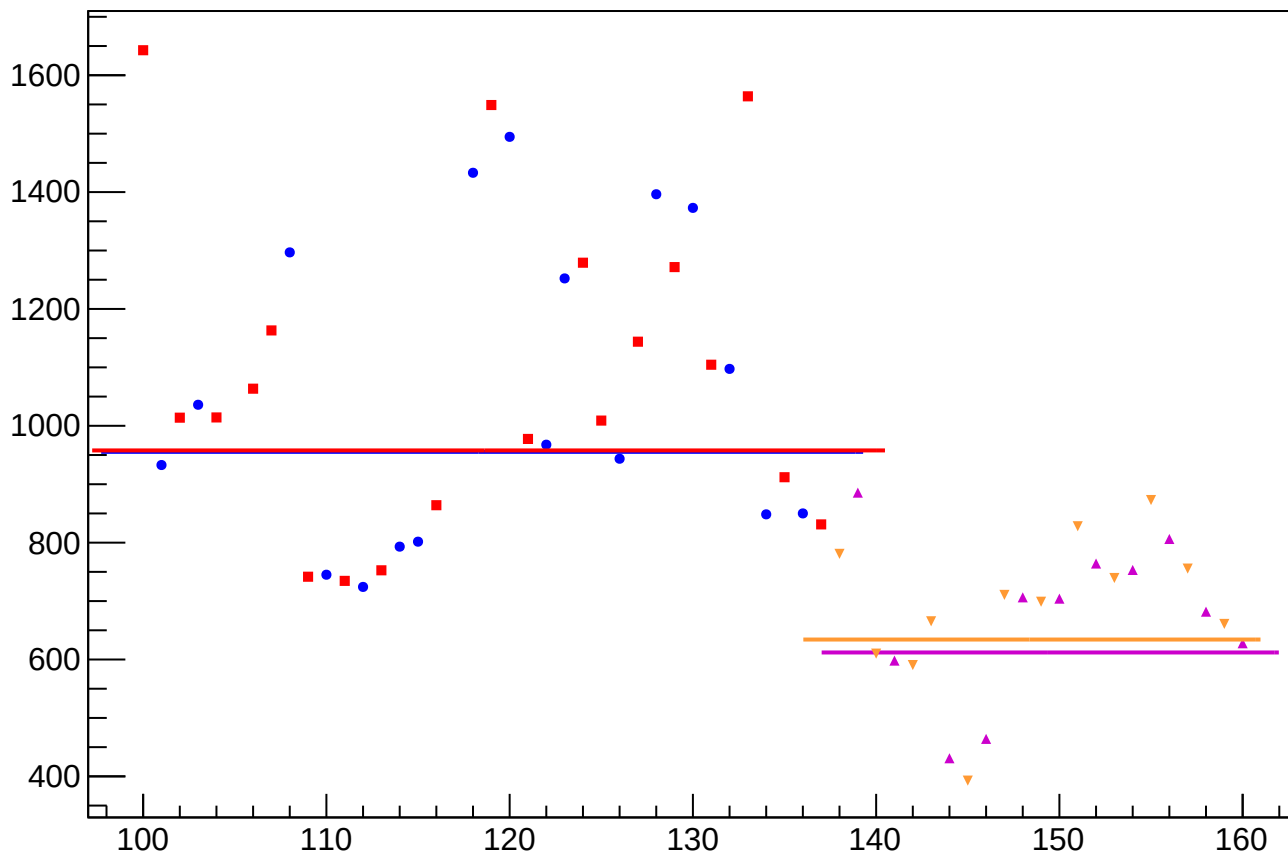
Left In: 7.439 ± 210.436 χ^2/NDF : 9.2/10

-808.251 ± 189.698 χ^2/NDF : 56.5/28

-283.260 ± 131.666 χ^2/NDF : 94.6/58

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: 634.184 $\pm$ 0.155 χ^2/NDF : 940366.6/11

Right Out: 957.849 $\pm$ 0.261 χ^2/NDF : 693081.8/18

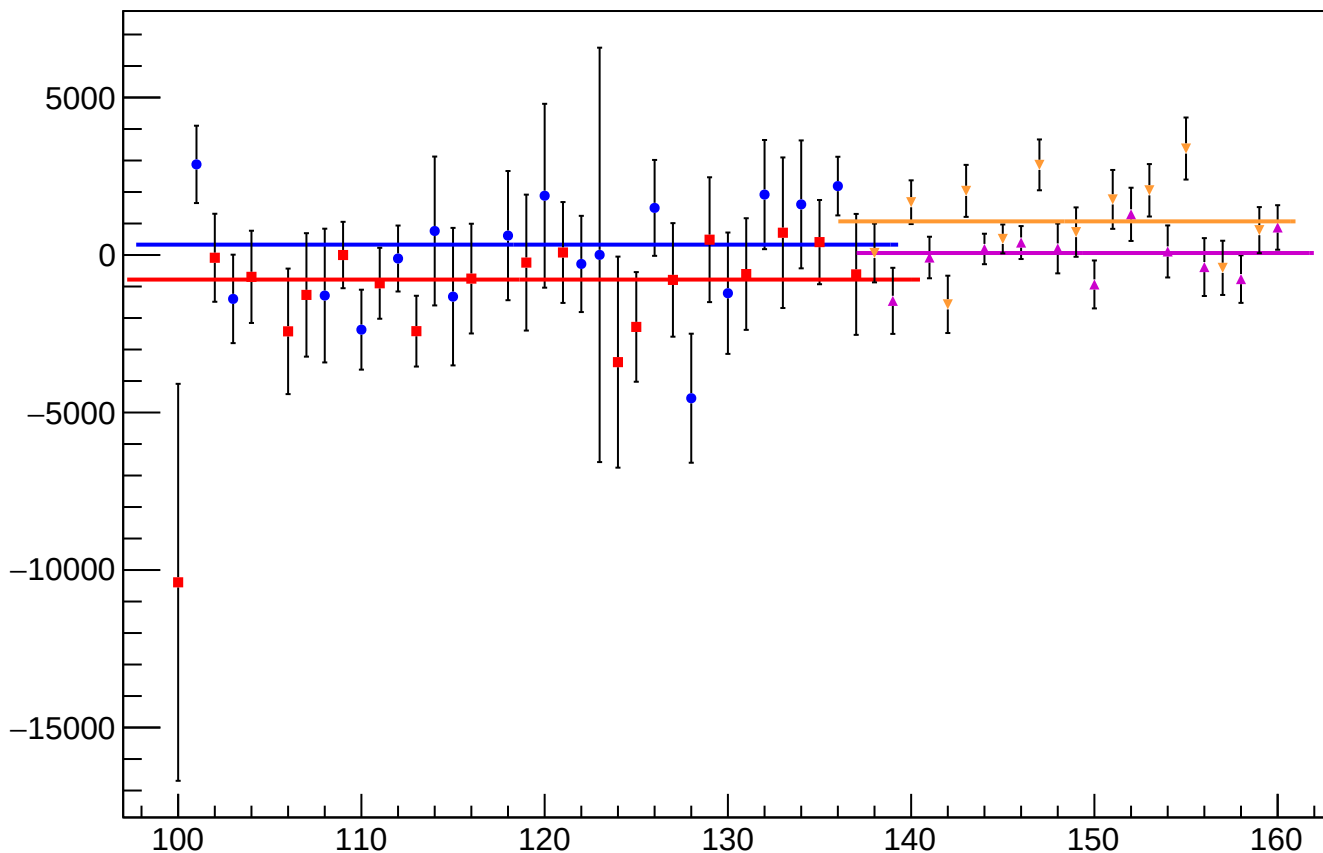
Left In: 612.047 $\pm$ 0.149 χ^2/NDF : 879594.3/10

713.406 $\pm$ 0.134 χ^2/NDF : 2652492.7/28

704.713 $\pm$ 0.093 χ^2/NDF : 5554286.5/58

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: 1067.901 $\pm$ 220.057 χ^2/NDF : 28.8/11

Right Out: -779.623 $\pm$ 371.673 χ^2/NDF : 9.3/18

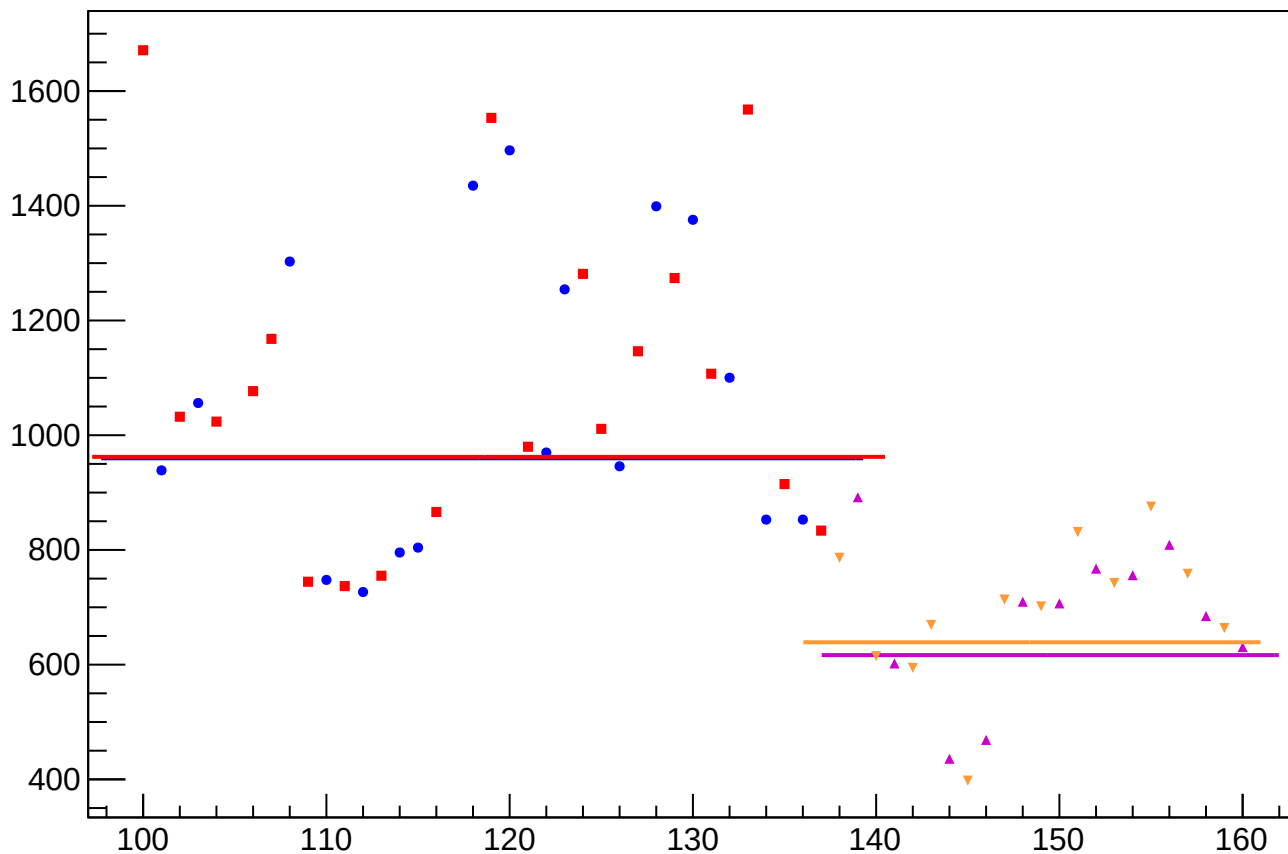
Left In: 63.548 $\pm$ 211.871 χ^2/NDF : 9.2/10

885.078 $\pm$ 190.895 χ^2/NDF : 55.9/28

352.192 $\pm$ 132.502 χ^2/NDF : 93.4/58

-143.245 $\pm$ 184.065 χ^2/NDF : 22.4/29

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 639.042 $\pm$ 0.156 χ^2 /NDF: 913600.0/11

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

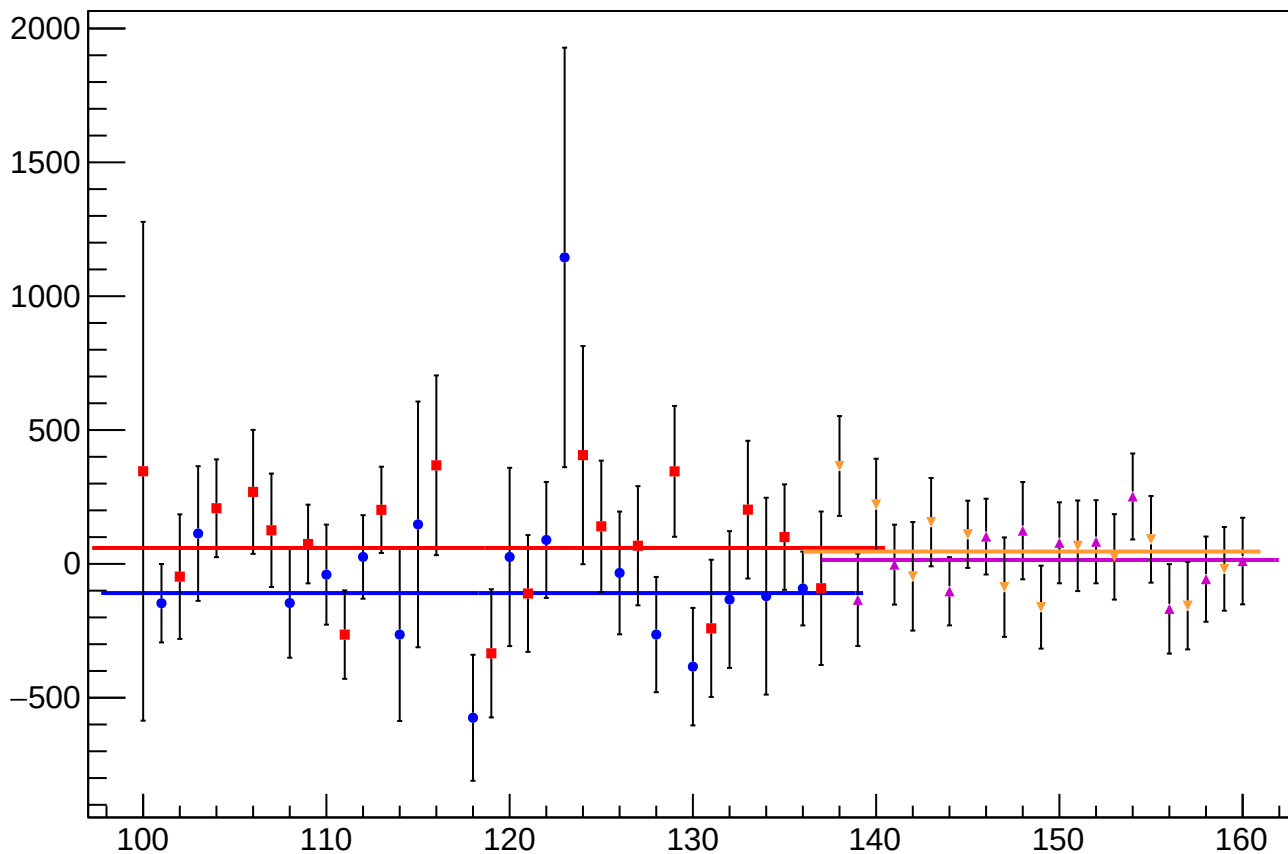
Left In: 616.627 $\pm$ 0.150 χ^2 /NDF: 858667.4/10

718.416 $\pm$ 0.135 χ^2 /NDF: 2611744.9/28

709.603 $\pm$ 0.094 χ^2 /NDF: 5480186.0/58

701.409 $\pm$ 0.130 χ^2 /NDF: 2860214.6/29

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 $\chi^2/\text{NDF}: 12.0/16$

Left Out: 46.145 ± 47.201 $\chi^2/\text{NDF}: 9.0/11$

Right Out: 59.475 ± 50.822 $\chi^2/\text{NDF}: 14.9/18$

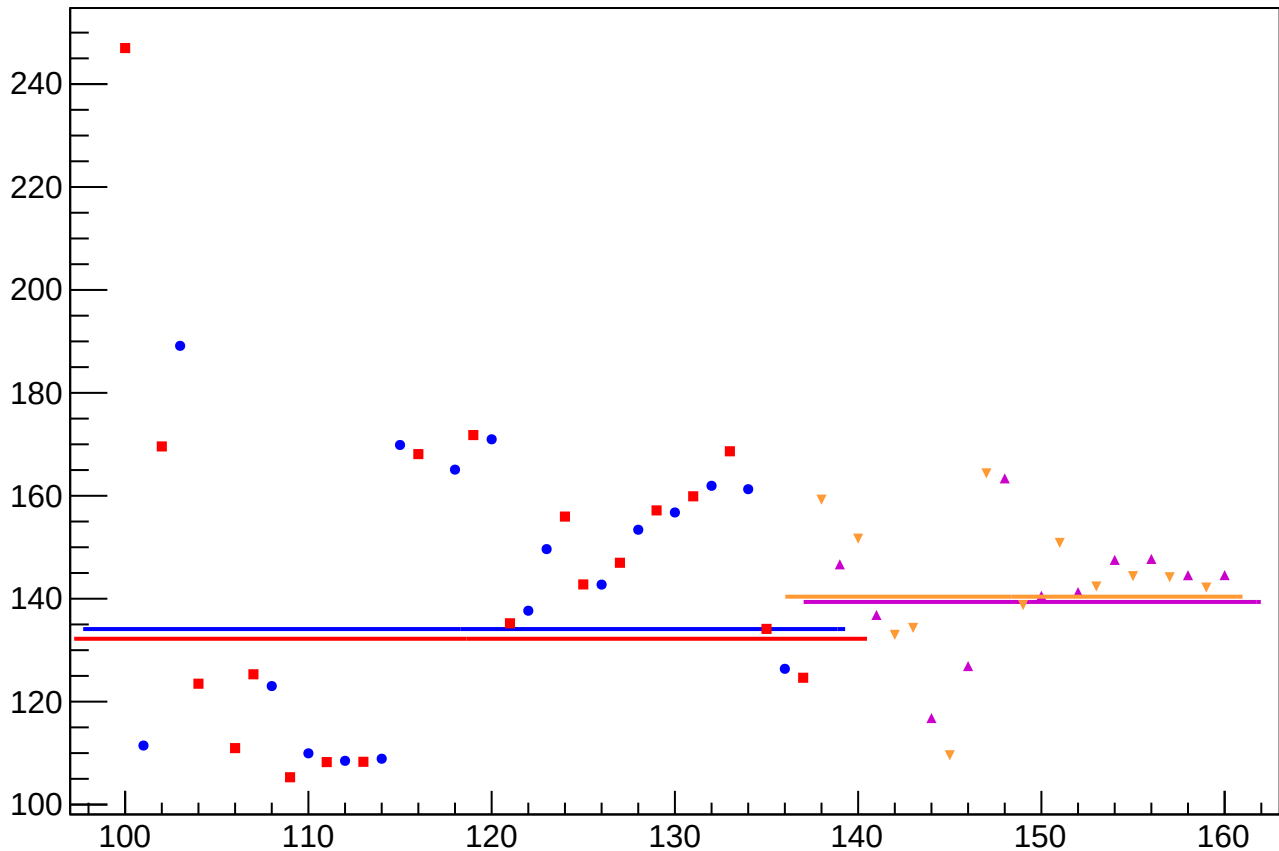
Left In: 14.594 ± 46.741 $\chi^2/\text{NDF}: 6.3/10$

-22.580 ± 35.226 $\chi^2/\text{NDF}: 25.8/28$

6.972 ± 24.612 $\chi^2/\text{NDF}: 48.8/58$

35.160 ± 34.403 $\chi^2/\text{NDF}: 21.6/29$

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 140.395+/-0.033 χ^2/NDF :199158.4/11

Right Out: 132.219+/-0.036 χ^2/NDF : 441738.5/18

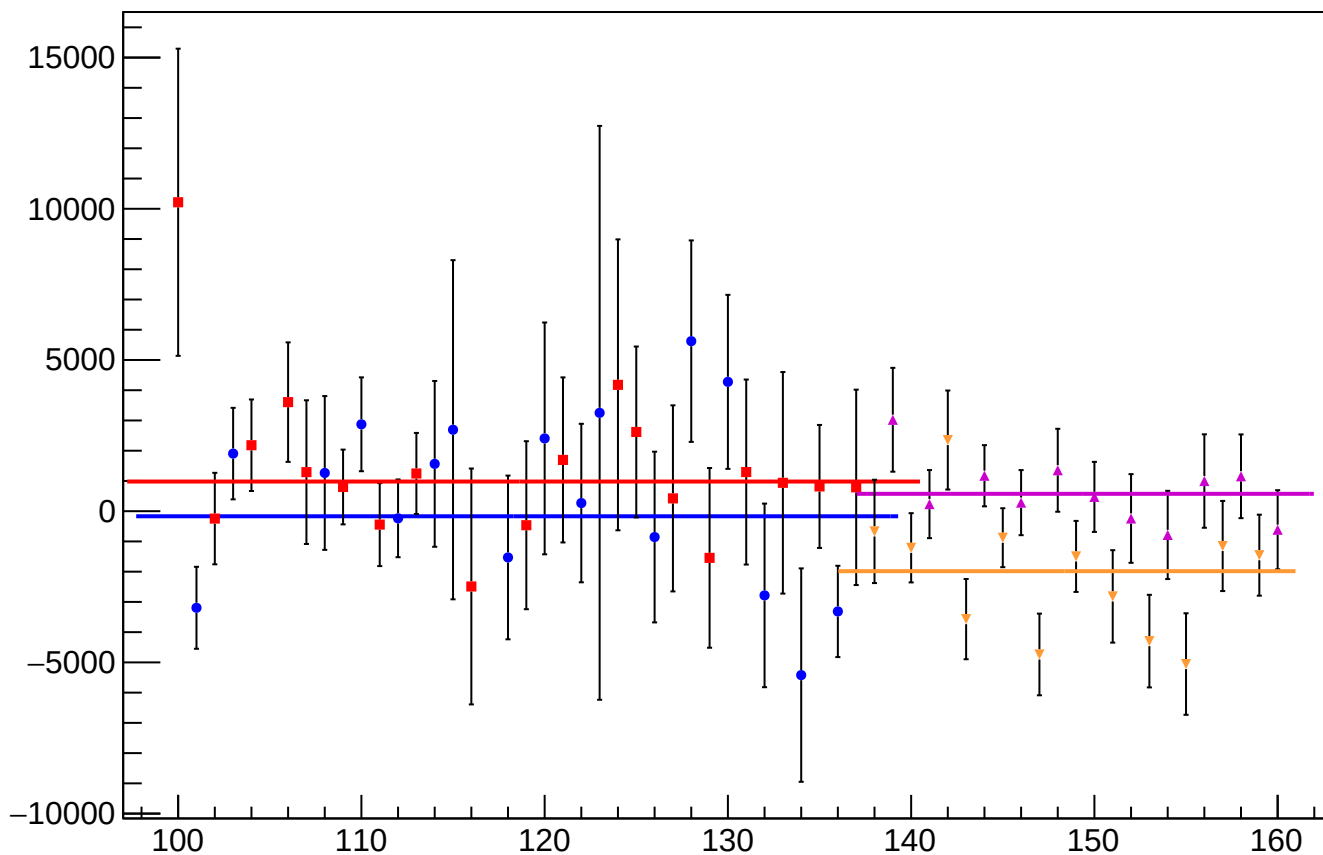
Left In: 139.370+/-0.033 χ^2/NDF :132165.0/10

137.607+/-0.025 χ^2/NDF : 617482.1/28

136.832+/-0.017 χ^2/NDF : 1214730.5/58

136.093+/-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: -1983.430 ± 389.511 χ^2/NDF : 21.5/11

Right Out: 980.517 ± 480.968 χ^2/NDF : 10.2/18

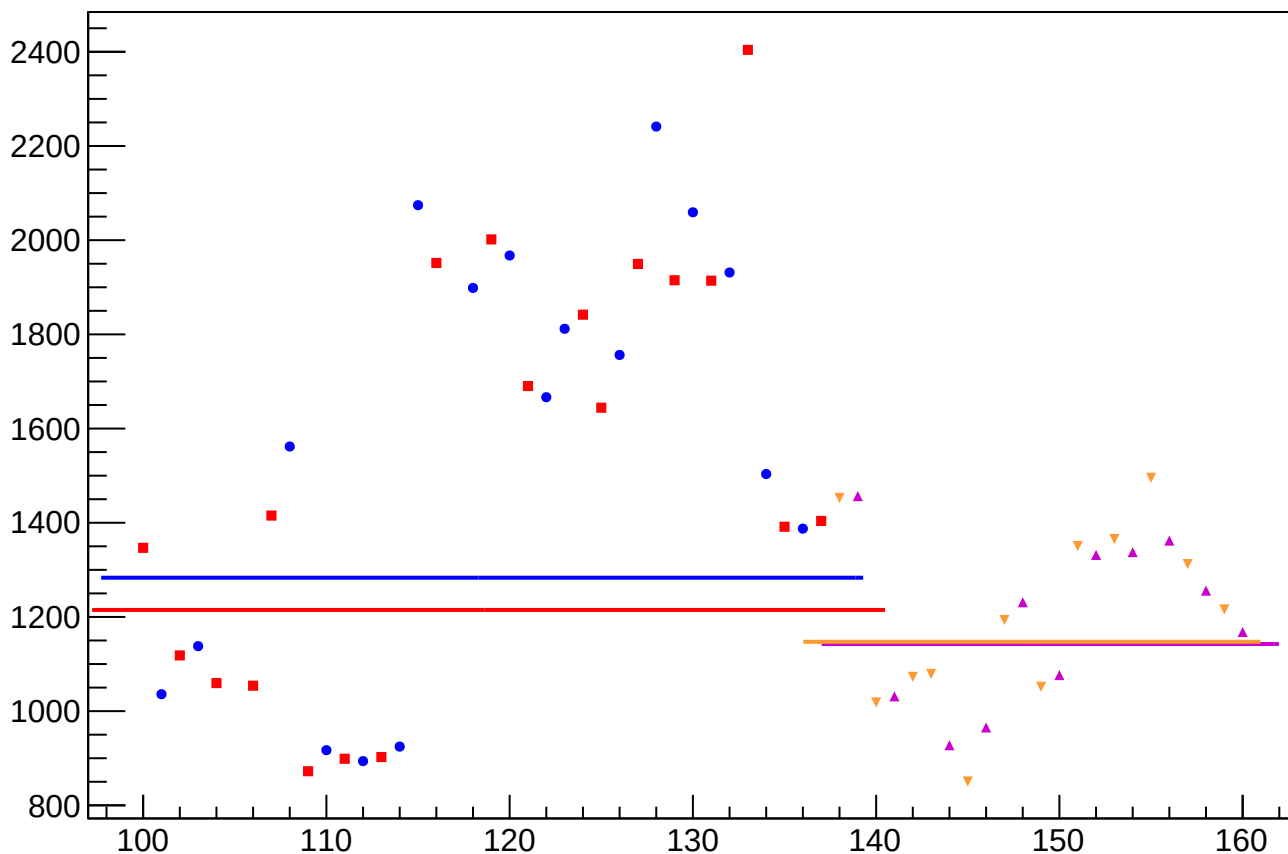
Left In: 574.468 ± 386.164 χ^2/NDF : 5.1/10

-1336.879 ± 312.536 χ^2/NDF : 54.6/28

-263.120 ± 216.847 χ^2/NDF : 93.1/58

733.623 ± 301.119 χ^2/NDF : 15.8/29

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1147.253+/-0.275 χ^2/NDF : 491301.2/11

Right Out: 1214.883+/-0.340 χ^2/NDF : 1360860.3/18

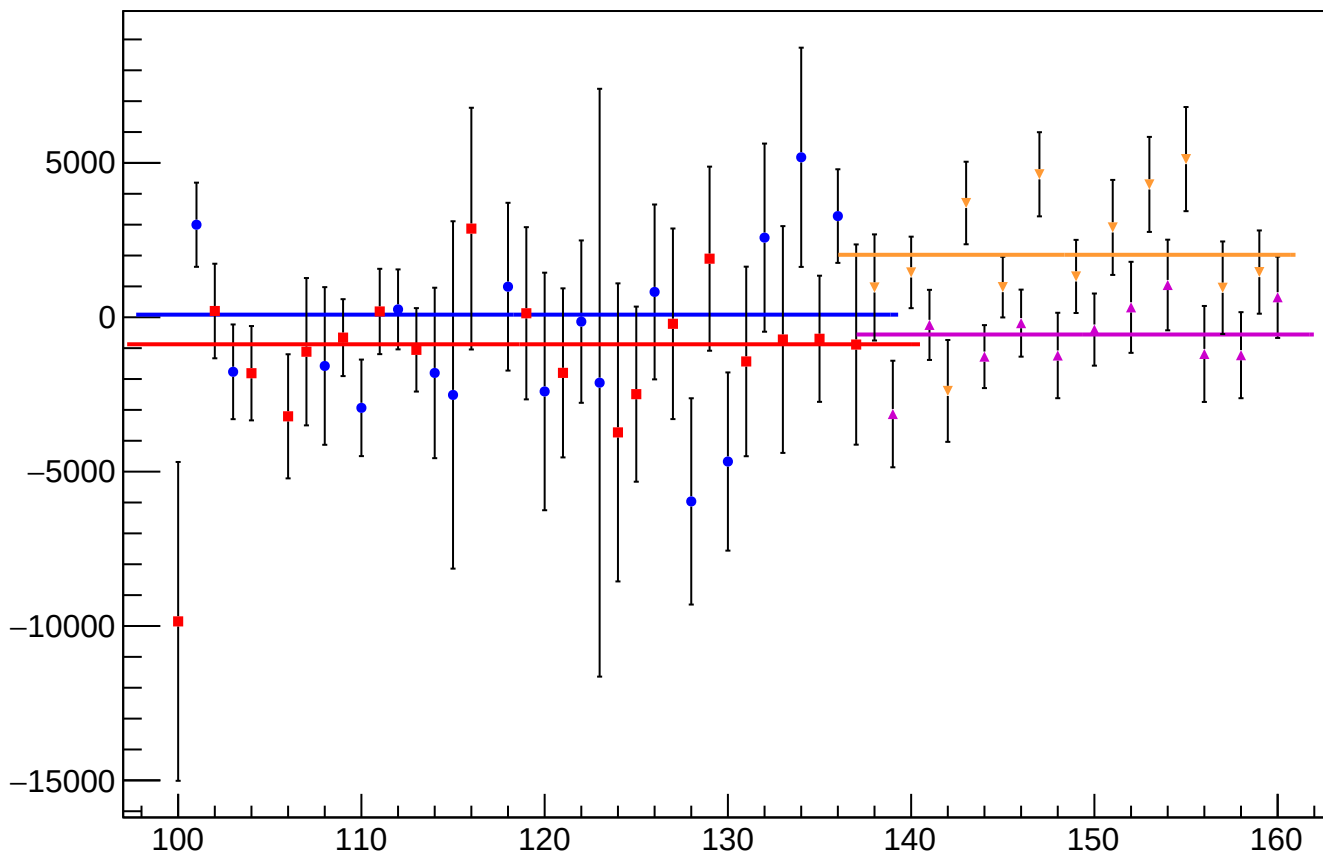
Left In: 1142.515+/-0.273 χ^2/NDF : 369327.0/10

1195.718+/-0.221 χ^2/NDF : 1747661.0/28

1182.837+/-0.153 χ^2/NDF : 3511929.9/58

1170.880+/-0.213 χ^2/NDF : 1757718.4/29

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 2023.937+/-392.581 χ^2/NDF : 21.1/11

Right Out: -874.592+/-484.647 χ^2/NDF : 8.7/18

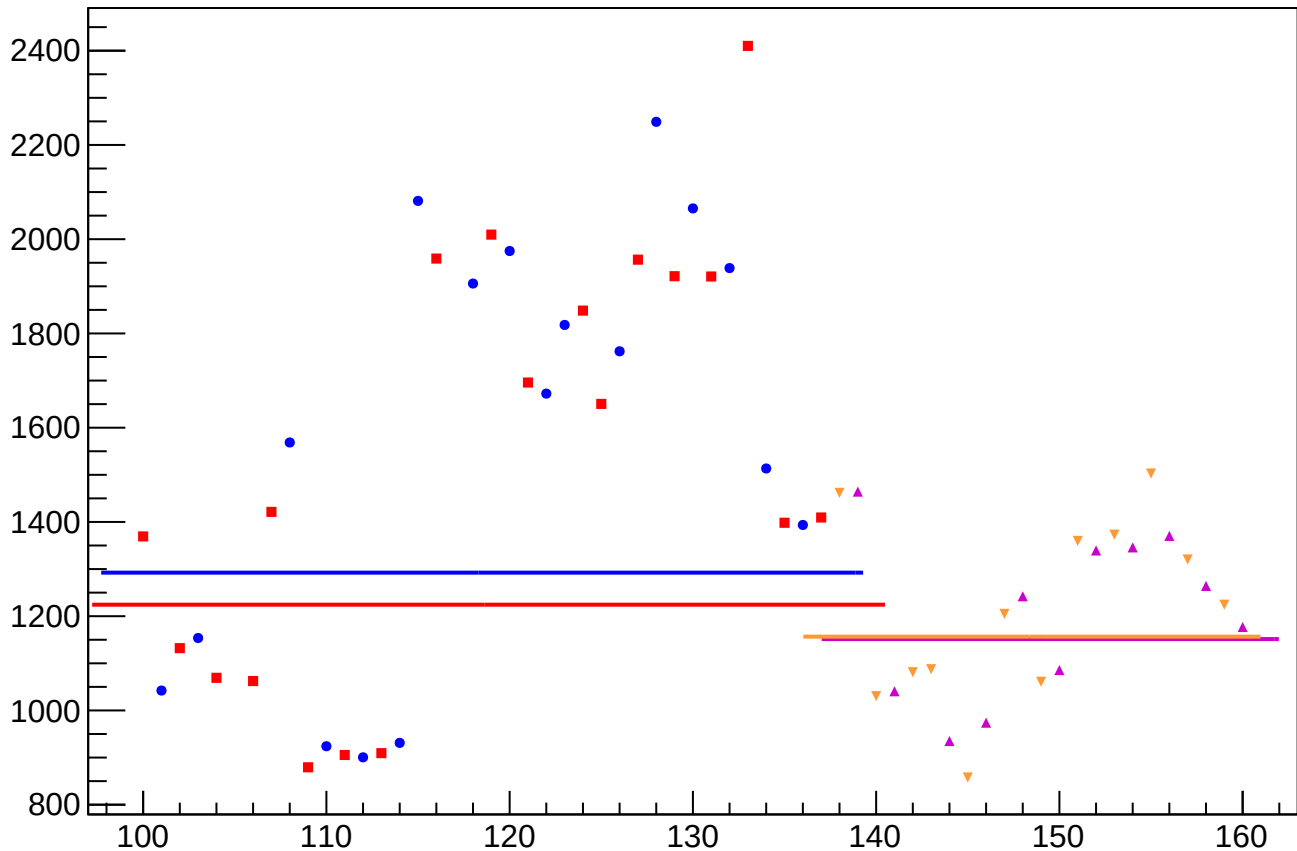
Left In: -557.911+/-389.124 χ^2/NDF : 6.0/10

1332.127+/-314.846 χ^2/NDF : 54.5/28

287.849+/-218.480 χ^2/NDF : 90.6/58

-682.040+/-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: 1156.590±/0.278 χ^2/NDF : 484401.0/11

Right Out: 1224.429±/0.343 χ^2/NDF : 1345748.2/18

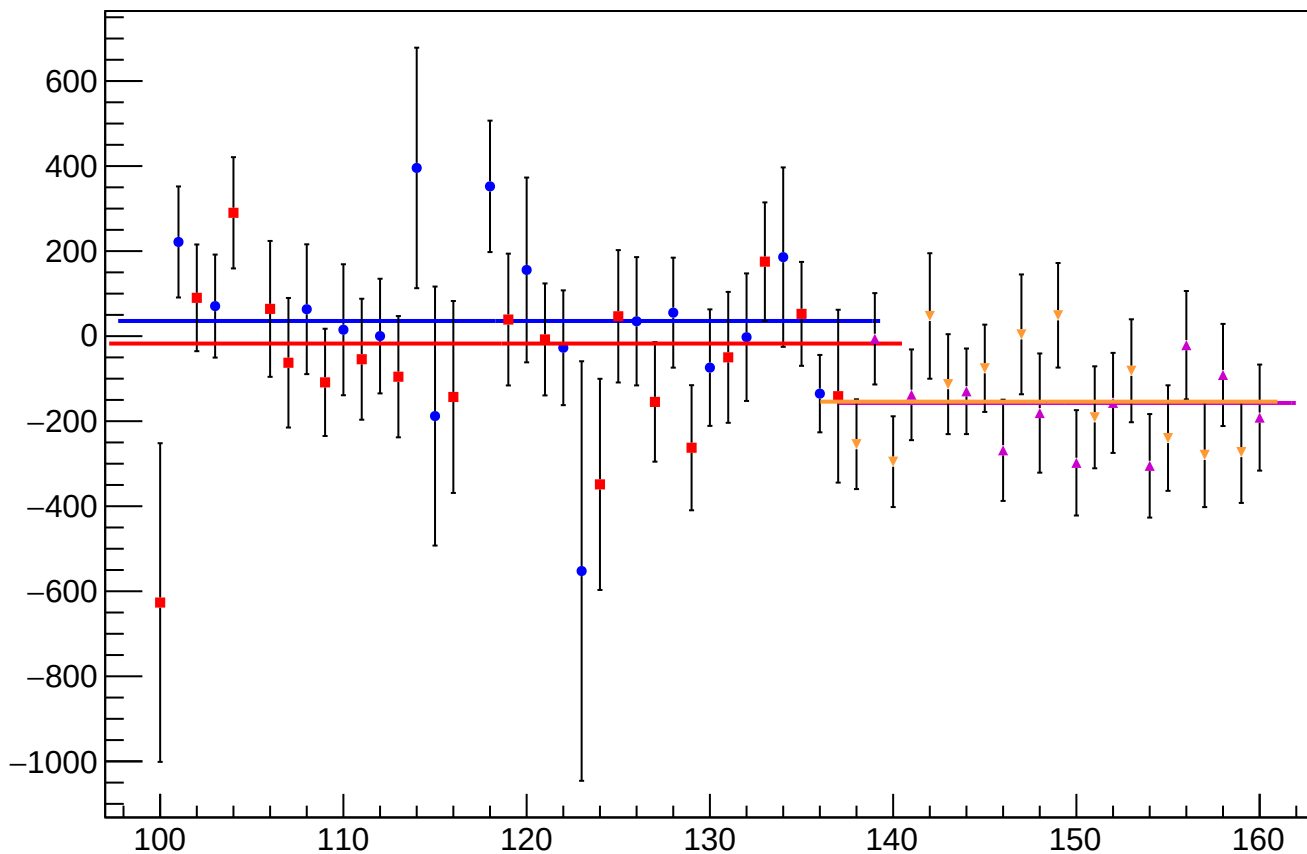
Left In: 1151.492±/0.275 χ^2/NDF : 364236.5/10

1205.058±/0.223 χ^2/NDF : 1726412.0/28

1192.109±/0.154 χ^2/NDF : 3470464.5/58

1180.081±/0.215 χ^2/NDF : 1737526.9/29

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 $\pm$ 36.350 χ^2 /NDF: 15.3/16

Left Out: -154.063 $\pm$ 34.381 χ^2 /NDF: 12.2/11

Right Out: -17.418 $\pm$ 34.691 χ^2 /NDF: 18.9/18

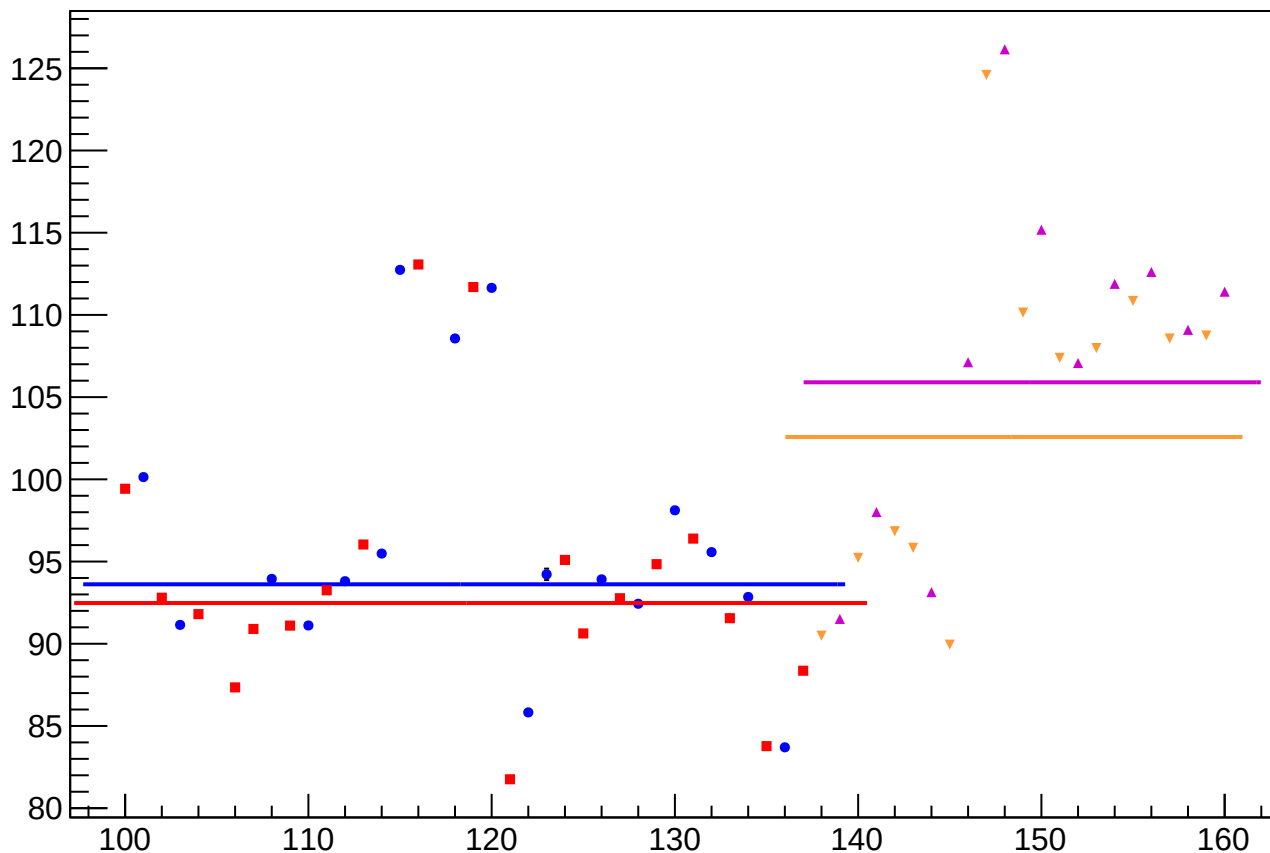
Left In: -157.168 $\pm$ 35.472 χ^2 /NDF: 7.3/10

-64.470 $\pm$ 24.978 χ^2 /NDF: 41.8/28

-75.180 $\pm$ 17.600 χ^2 /NDF: 76.3/58

-85.738 $\pm$ 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: 102.575+/-0.024 χ^2/NDF : 158138.1/11

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

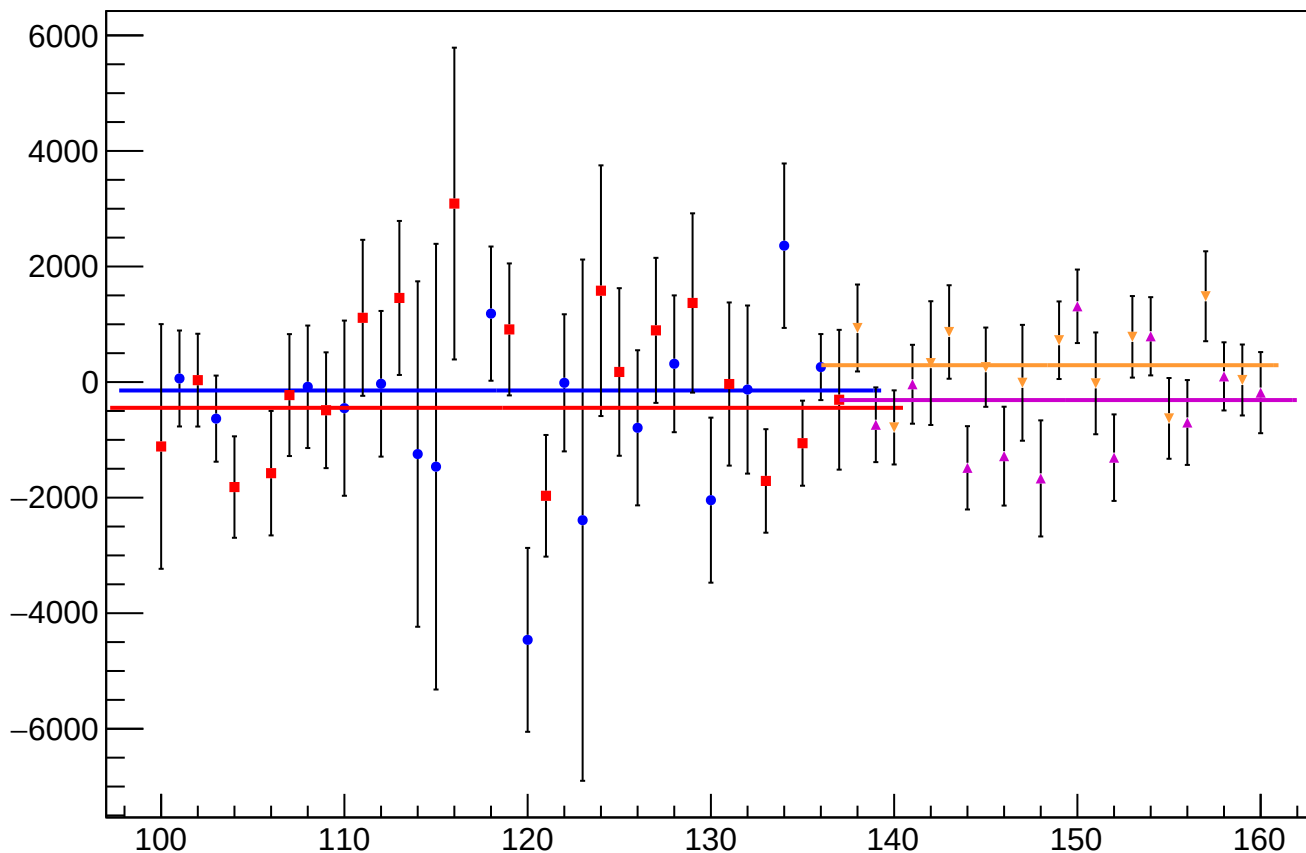
Left In: 105.902+/-0.025 χ^2/NDF : 148064.1/10

98.344+/-0.018 χ^2/NDF : 302183.7/28

98.695+/-0.012 χ^2/NDF : 676035.8/58

99.040+/-0.018 χ^2/NDF : 373071.1/29

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 ± 276.629 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 292.050 ± 215.251 $\chi^2/\text{NDF}: 9.4/11$

Right Out: -445.575 ± 260.276 $\chi^2/\text{NDF}: 19.0/18$

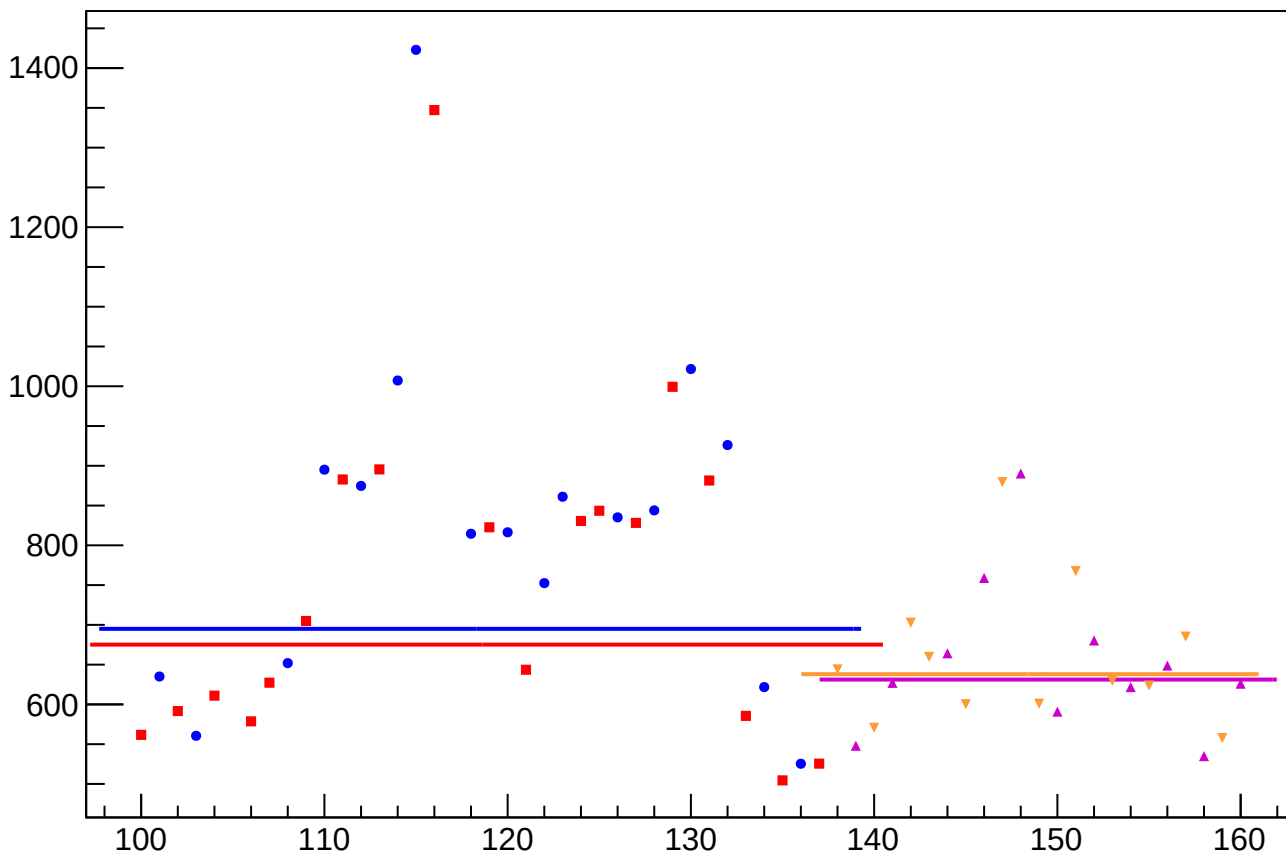
Left In: -311.355 ± 213.139 $\chi^2/\text{NDF}: 18.1/10$

127.050 ± 169.881 $\chi^2/\text{NDF}: 26.5/28$

-126.410 ± 118.324 $\chi^2/\text{NDF}: 68.0/58$

-365.233 ± 164.902 $\chi^2/\text{NDF}: 37.2/29$

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: 638.007 $\pm$ 0.152 χ^2 /NDF: 245066.2/11

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

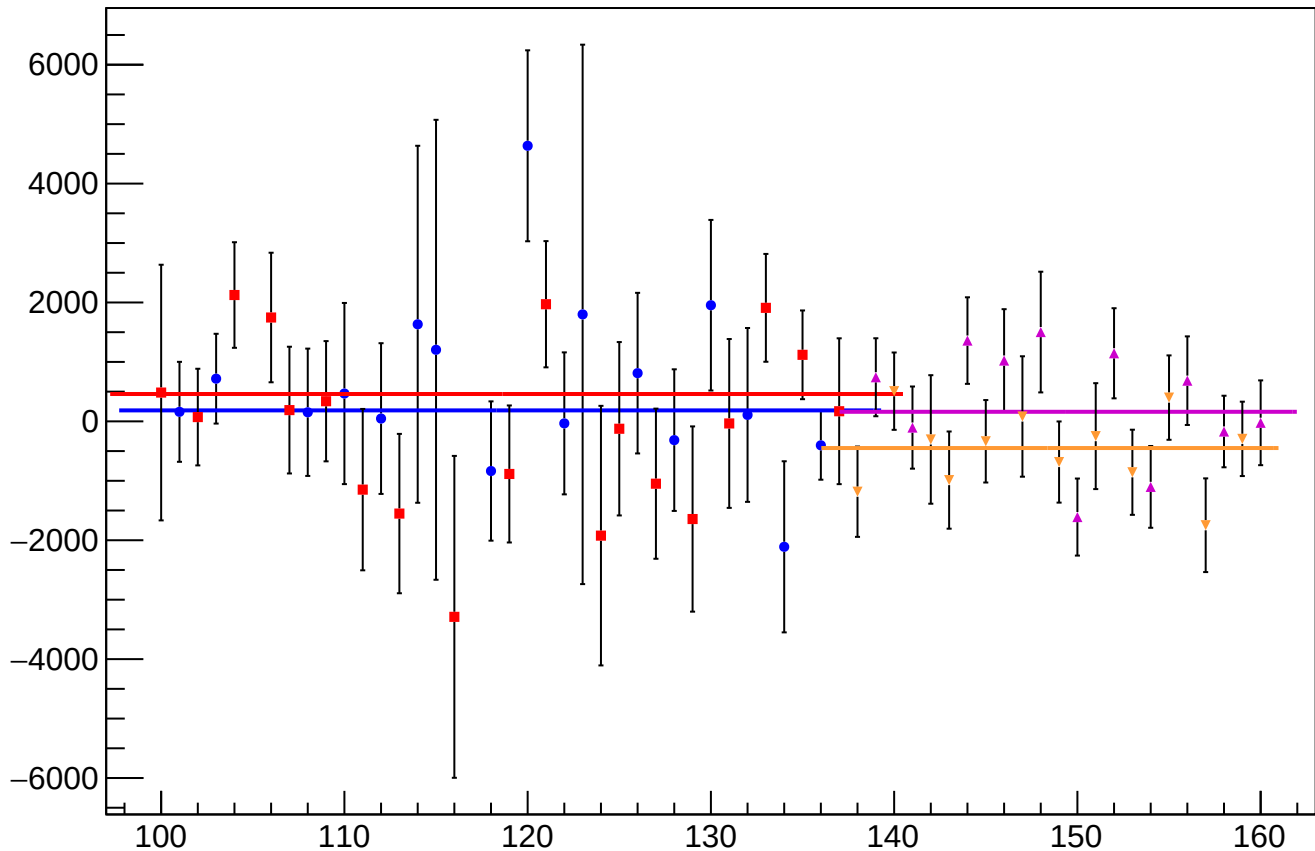
Left In: 631.224 $\pm$ 0.151 χ^2 /NDF: 286603.3/10

659.506 $\pm$ 0.120 χ^2 /NDF: 975682.2/28

654.023 $\pm$ 0.084 χ^2 /NDF: 1976826.7/58

648.856 $\pm$ 0.117 χ^2 /NDF: 997097.6/29

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2/NDF : 14.9/16

Left Out: -448.802 $\pm$ 218.194 χ^2/NDF : 8.5/11

Right Out: 460.174 $\pm$ 262.960 χ^2/NDF : 22.3/18

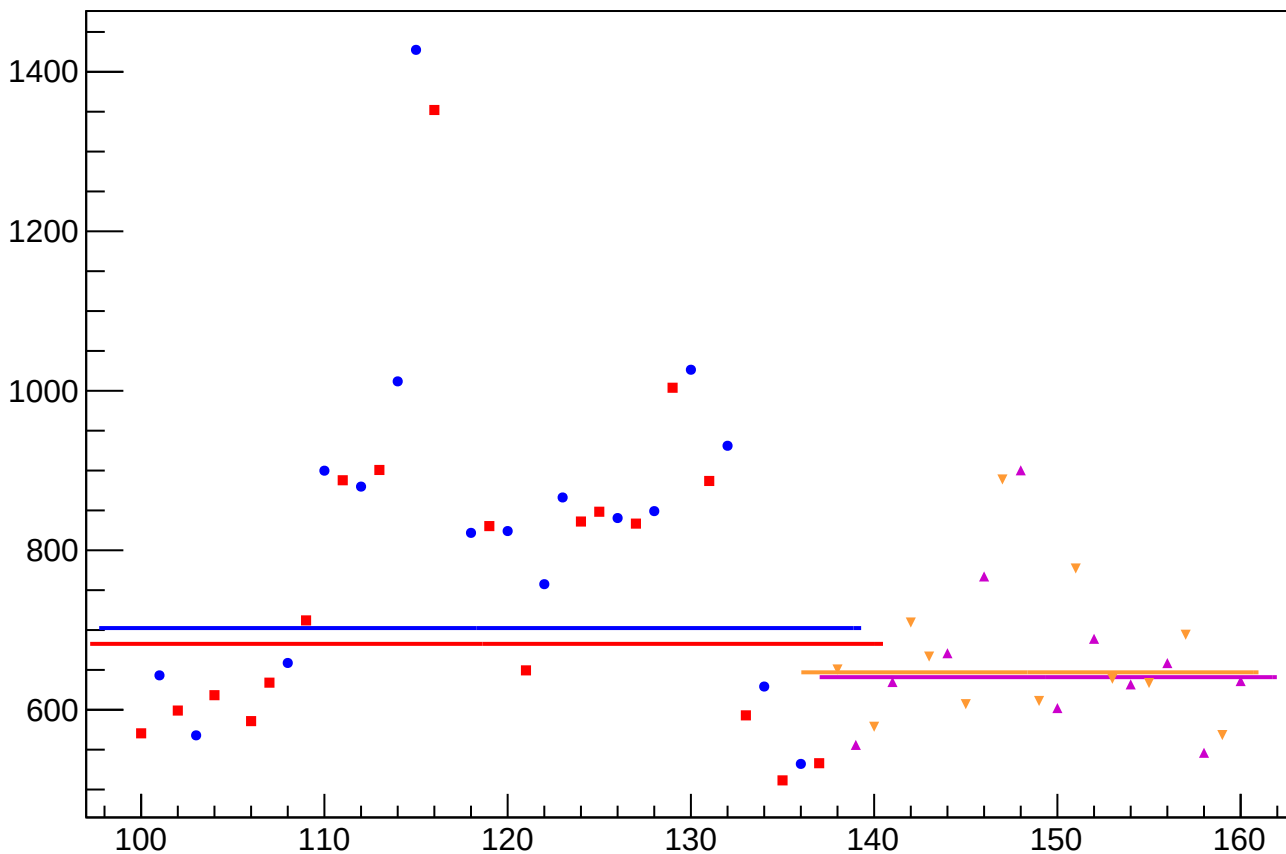
Left In: 161.002 $\pm$ 216.313 χ^2/NDF : 19.8/10

-208.871 $\pm$ 171.966 χ^2/NDF : 26.7/28

43.543 $\pm$ 119.824 χ^2/NDF : 73.7/58

281.744 $\pm$ 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: 646.967 +/- 0.154 χ^2/NDF : 238567.2/11

Right Out: 682.662 +/- 0.186 χ^2/NDF : 659521.7/18

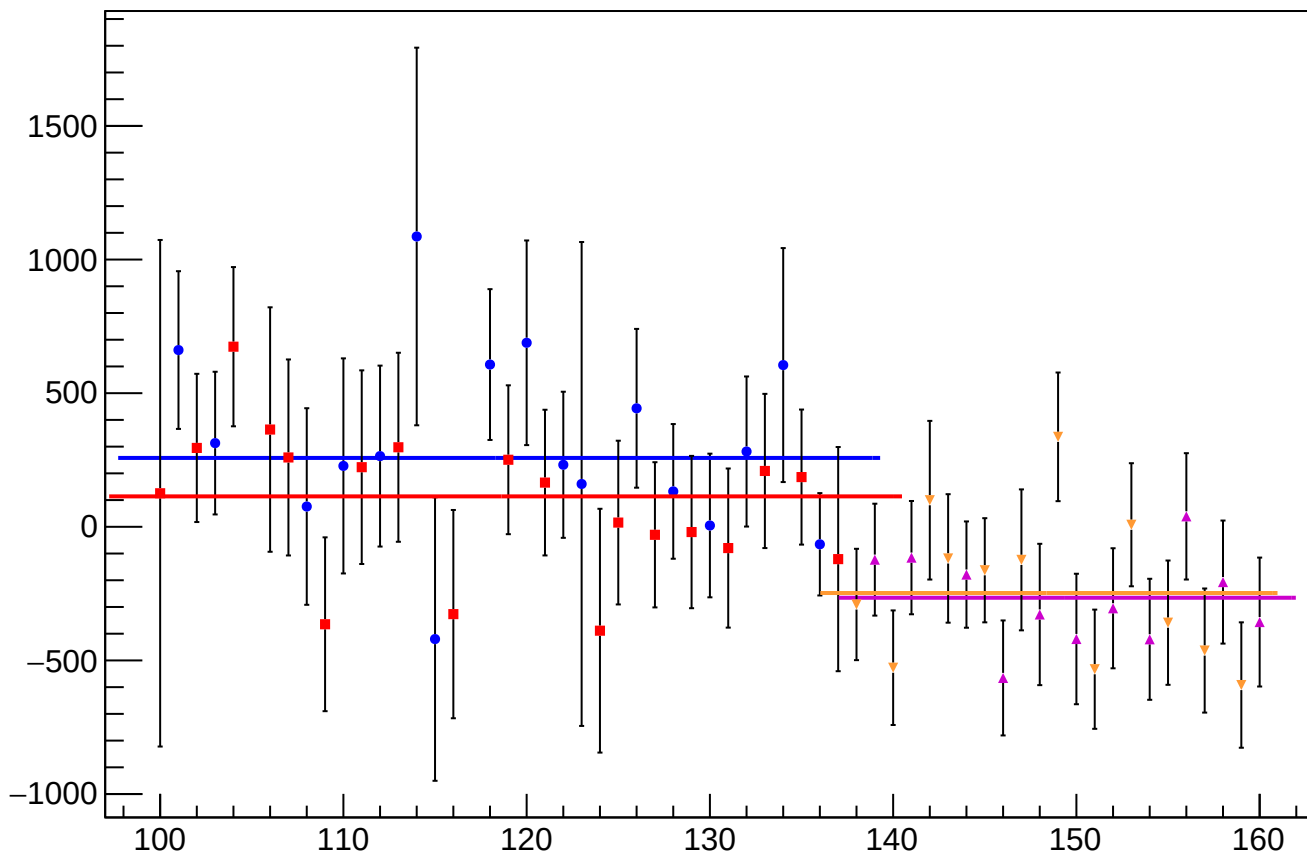
Left In: 640.911 +/- 0.153 χ^2/NDF : 276710.4/10

667.994 +/- 0.122 χ^2/NDF : 948118.3/28

662.729 +/- 0.085 χ^2/NDF : 1918063.3/58

657.761 +/- 0.118 χ^2/NDF : 966301.6/29

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 ± 75.931 χ^2/NDF : 13.0/16

Left Out: -247.729 ± 66.576 χ^2/NDF : 15.8/11

Right Out: 113.851 ± 74.211 χ^2/NDF : 11.2/18

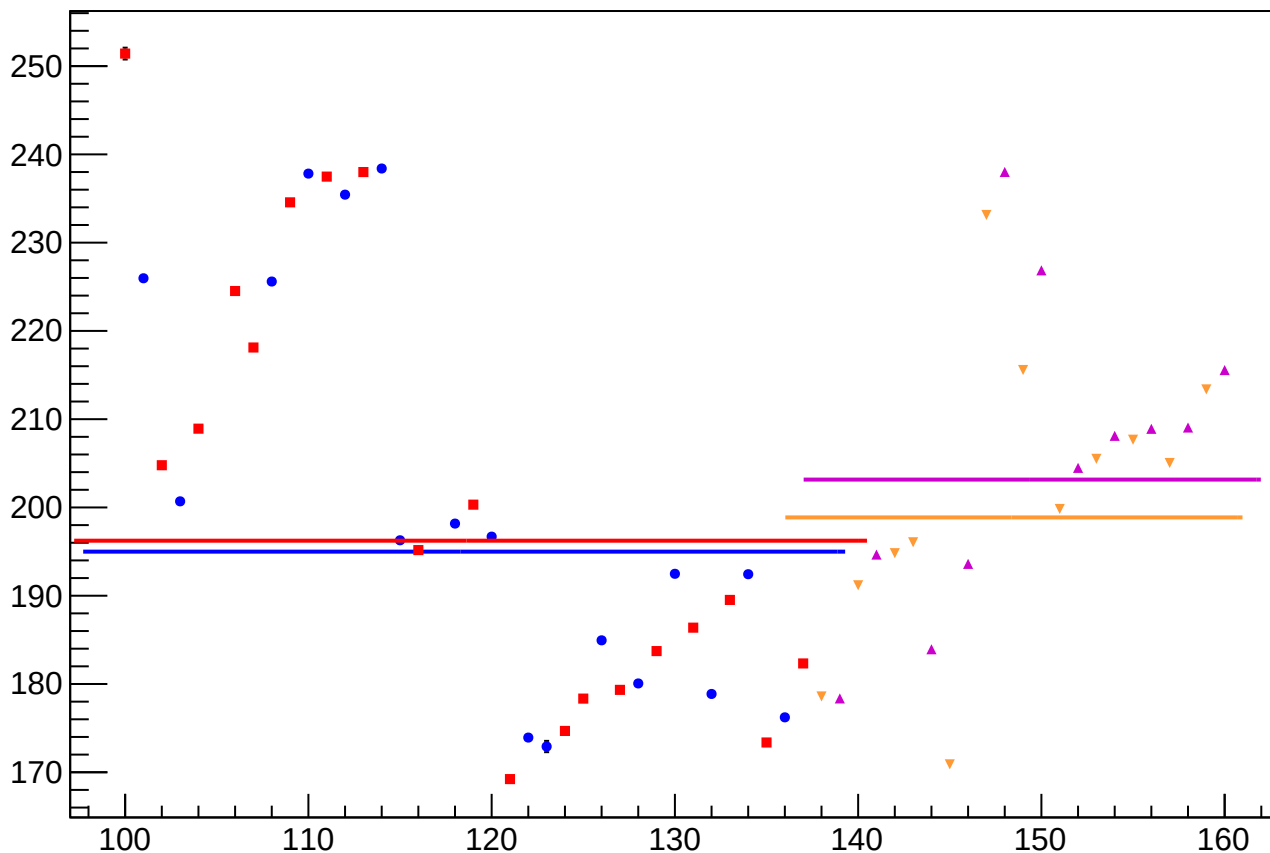
Left In: -265.477 ± 67.990 χ^2/NDF : 5.9/10

-28.042 ± 50.059 χ^2/NDF : 53.9/28

-60.163 ± 35.423 χ^2/NDF : 86.1/58

-92.377 ± 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: 198.871 $\pm$ 0.047 χ^2/NDF :120410.7/11

Right Out: 196.235 $\pm$ 0.052 χ^2/NDF : 173491.6/18

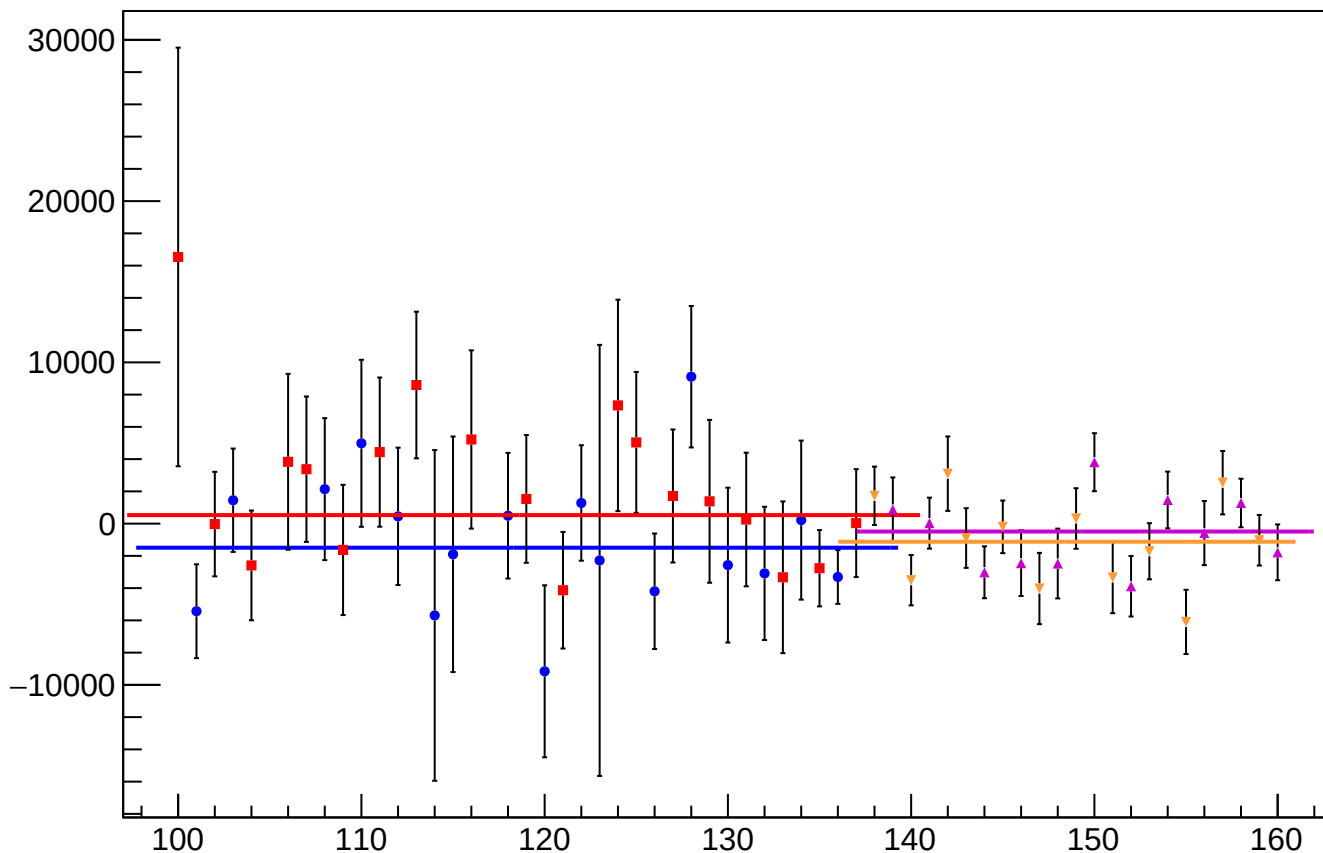
Left In: 203.157 $\pm$ 0.048 χ^2/NDF :116314.4/10

197.186 $\pm$ 0.035 χ^2/NDF : 267628.4/28

198.590 $\pm$ 0.025 χ^2/NDF : 570045.4/58

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 ± 910.834 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -1123.270 ± 533.727 $\chi^2/\text{NDF}: 21.6/11$

Right Out: 528.758 ± 934.718 $\chi^2/\text{NDF}: 14.6/18$

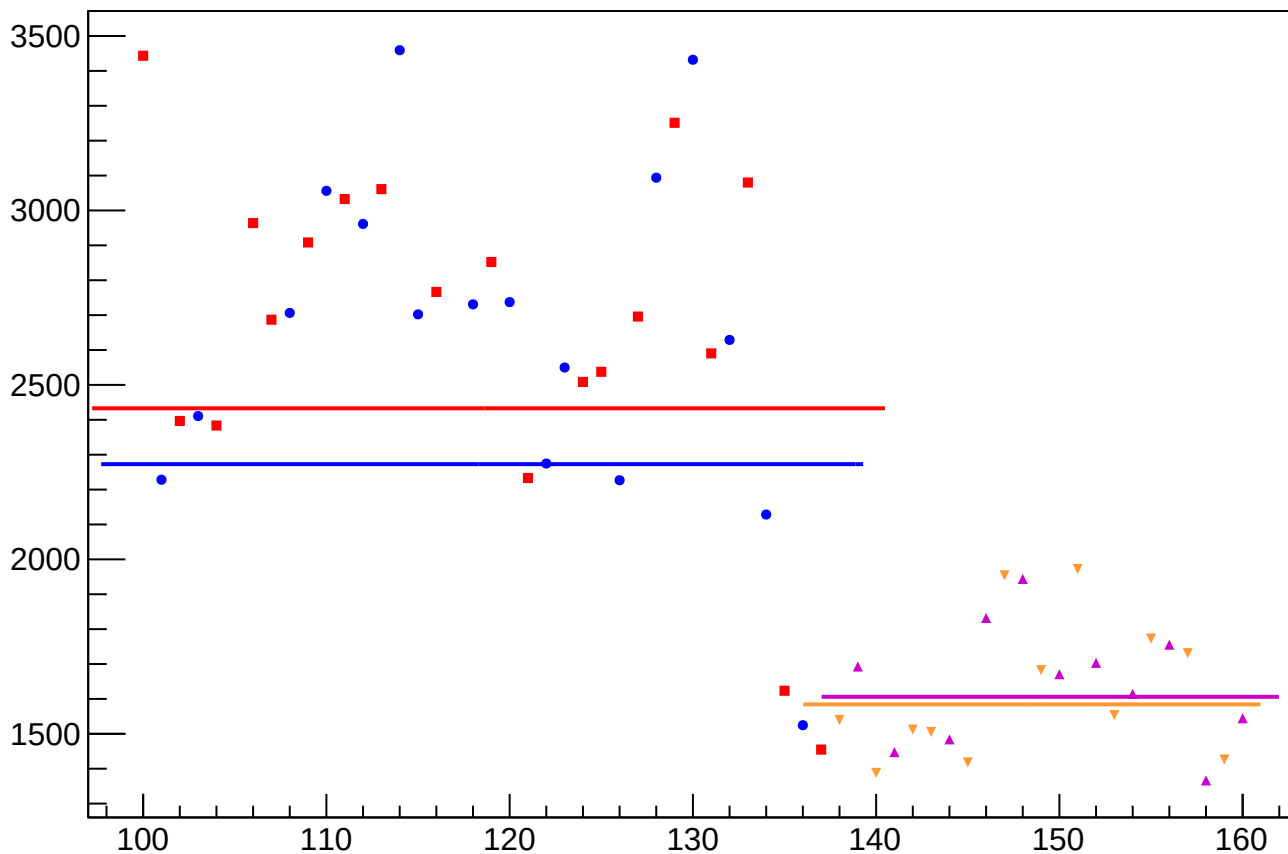
Left In: -489.549 ± 539.219 $\chi^2/\text{NDF}: 17.0/10$

-1217.846 ± 460.491 $\chi^2/\text{NDF}: 37.9/28$

-733.536 ± 327.919 $\chi^2/\text{NDF}: 72.7/58$

-235.284 ± 467.073 $\chi^2/\text{NDF}: 32.5/29$

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: 1584.348 $\pm$ 0.377 χ^2 /NDF: 231941.9/11

Right Out: 2432.950 $\pm$ 0.661 χ^2 /NDF: 680783.9/18

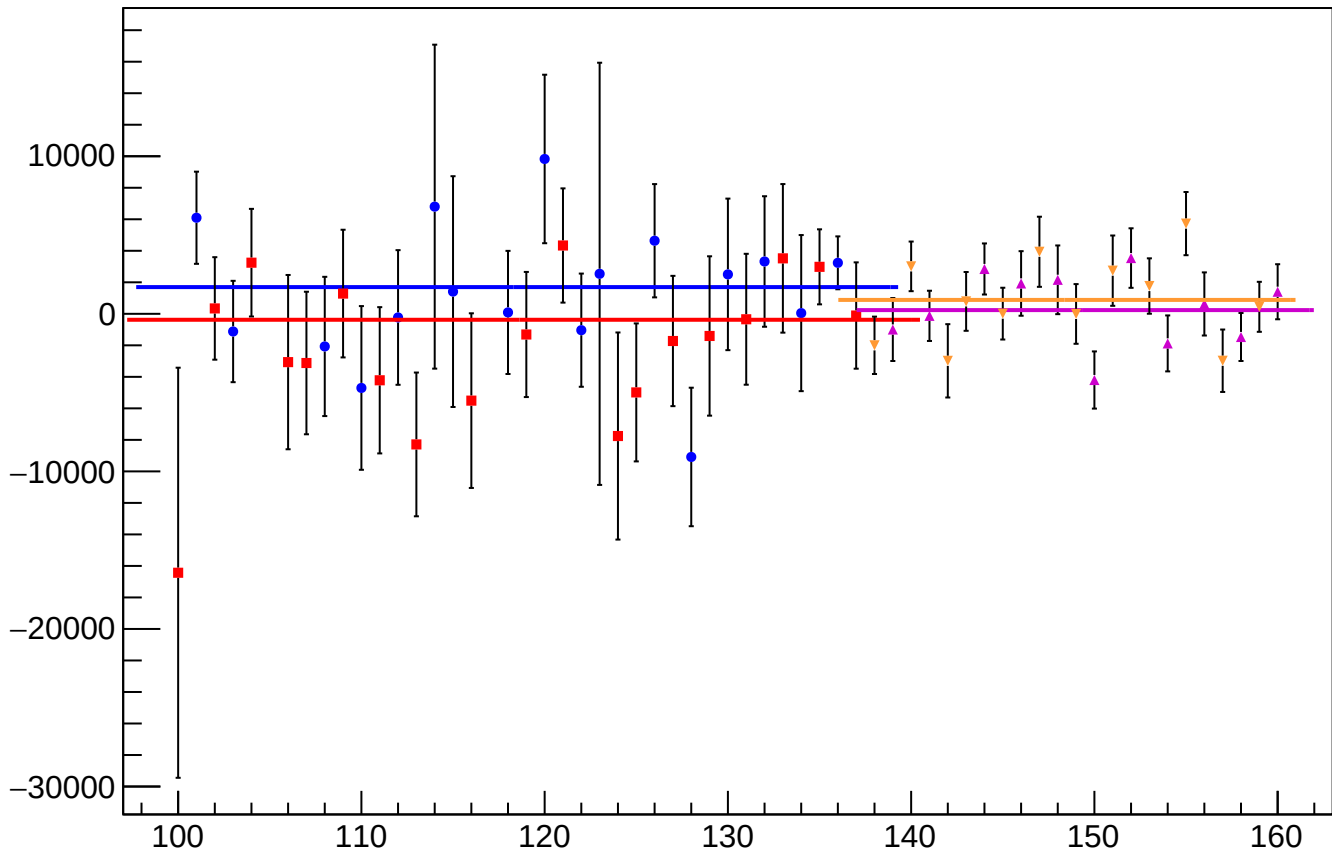
Left In: 1606.050 $\pm$ 0.381 χ^2 /NDF: 181367.5/10

1760.339 $\pm$ 0.326 χ^2 /NDF: 1888356.2/28

1786.060 $\pm$ 0.232 χ^2 /NDF: 3937559.3/58

1812.522 $\pm$ 0.330 χ^2 /NDF: 2036544.0/29

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2/NDF : 16.6/16

Left Out: 882.380 $\pm$ 538.121 χ^2/NDF : 20.1/11

Right Out: -377.629 $\pm$ 938.528 χ^2/NDF : 15.0/18

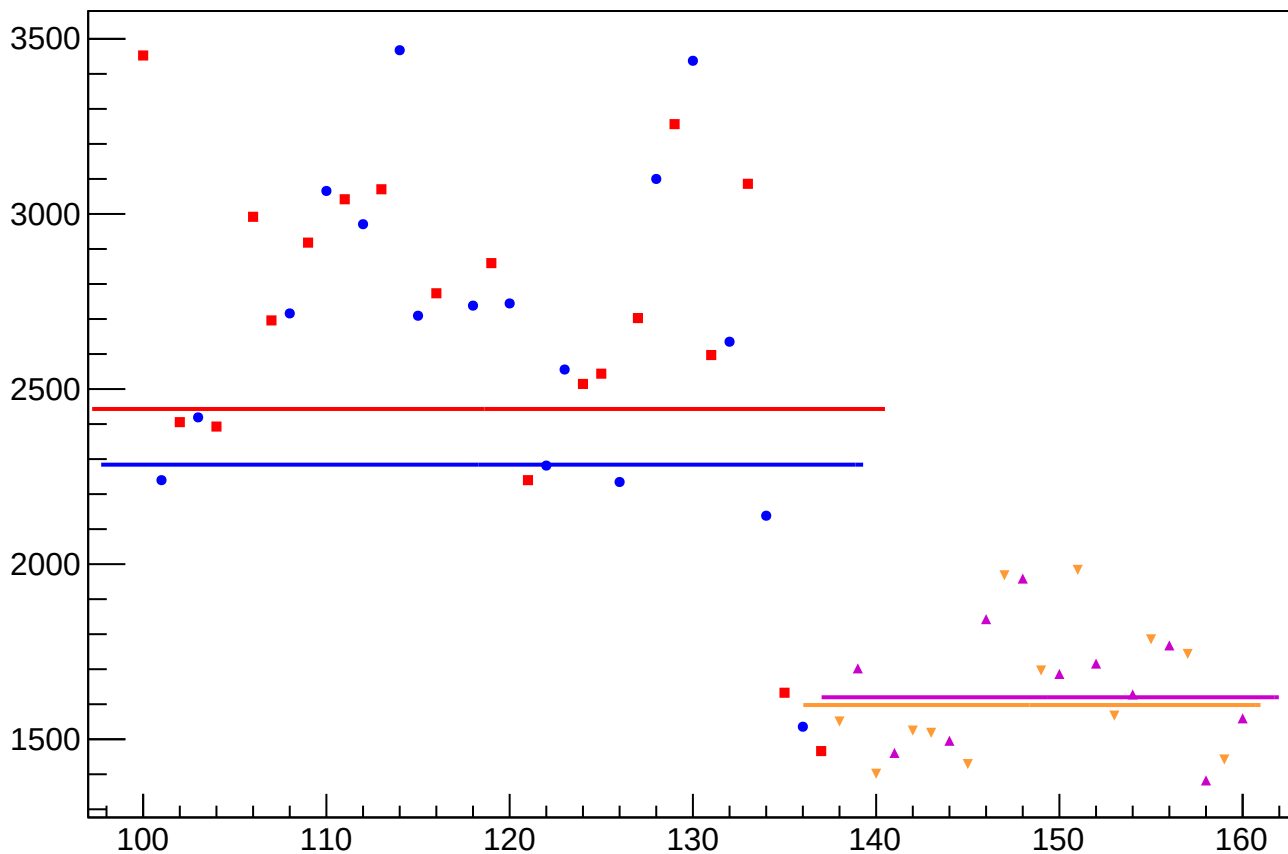
Left In: 235.996 $\pm$ 543.761 χ^2/NDF : 16.7/10

1091.509 $\pm$ 463.831 χ^2/NDF : 37.3/28

593.849 $\pm$ 330.310 χ^2/NDF : 71.6/58

81.782 $\pm$ 470.498 χ^2/NDF : 32.0/29

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2/NDF : 793993.4/16

Left Out: 1597.718 $\pm$ 0.381 χ^2/NDF : 227924.8/11

Right Out: 2443.124 $\pm$ 0.664 χ^2/NDF : 672899.9/18

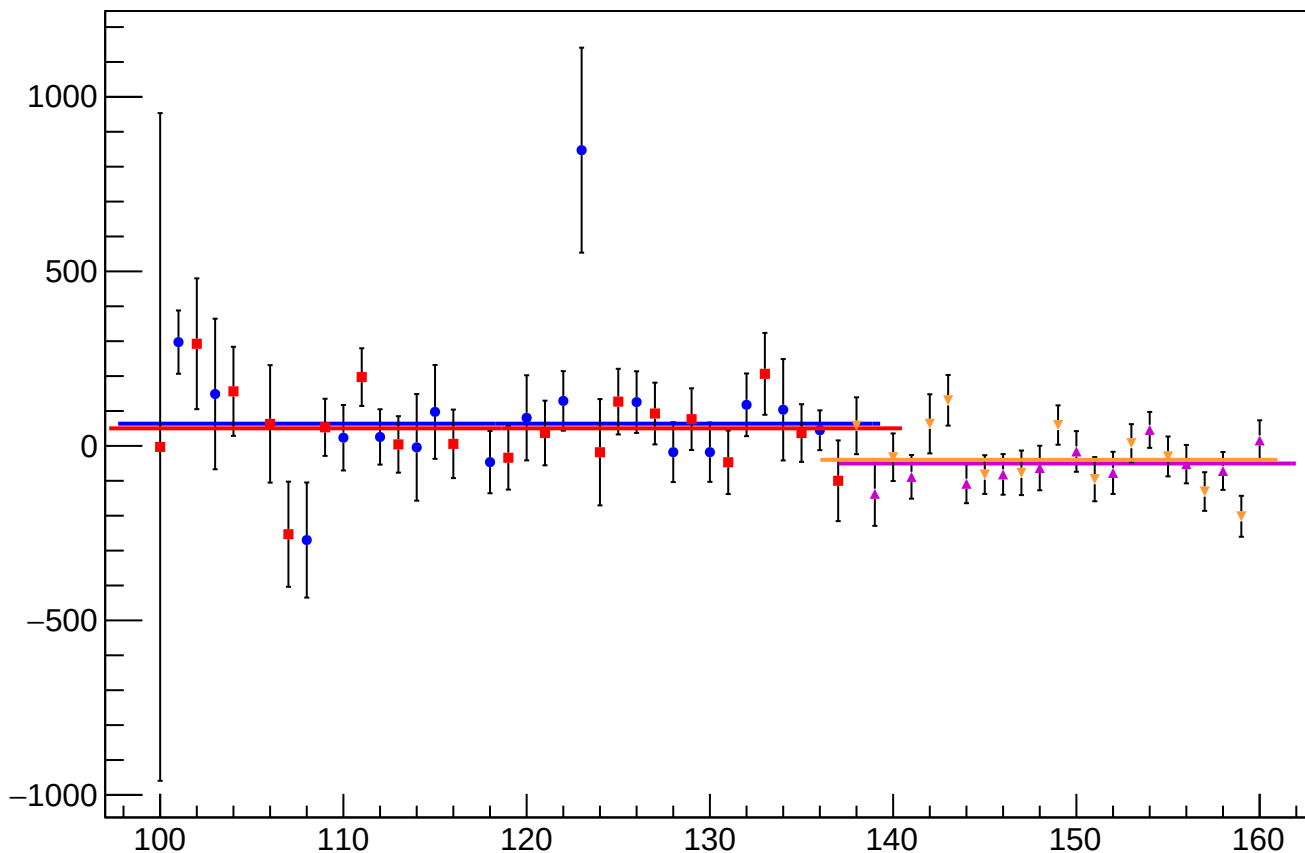
Left In: 1619.870 $\pm$ 0.384 χ^2/NDF : 176912.1/10

1774.152 $\pm$ 0.328 χ^2/NDF : 1858333.4/28

1800.084 $\pm$ 0.234 χ^2/NDF : 3872958.7/58

1826.767 $\pm$ 0.333 χ^2/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: -39.909 $\pm$ 17.991 χ^2 /NDF:24.4/11

Right Out: 50.278 $\pm$ 23.661 χ^2 /NDF: 16.8/18

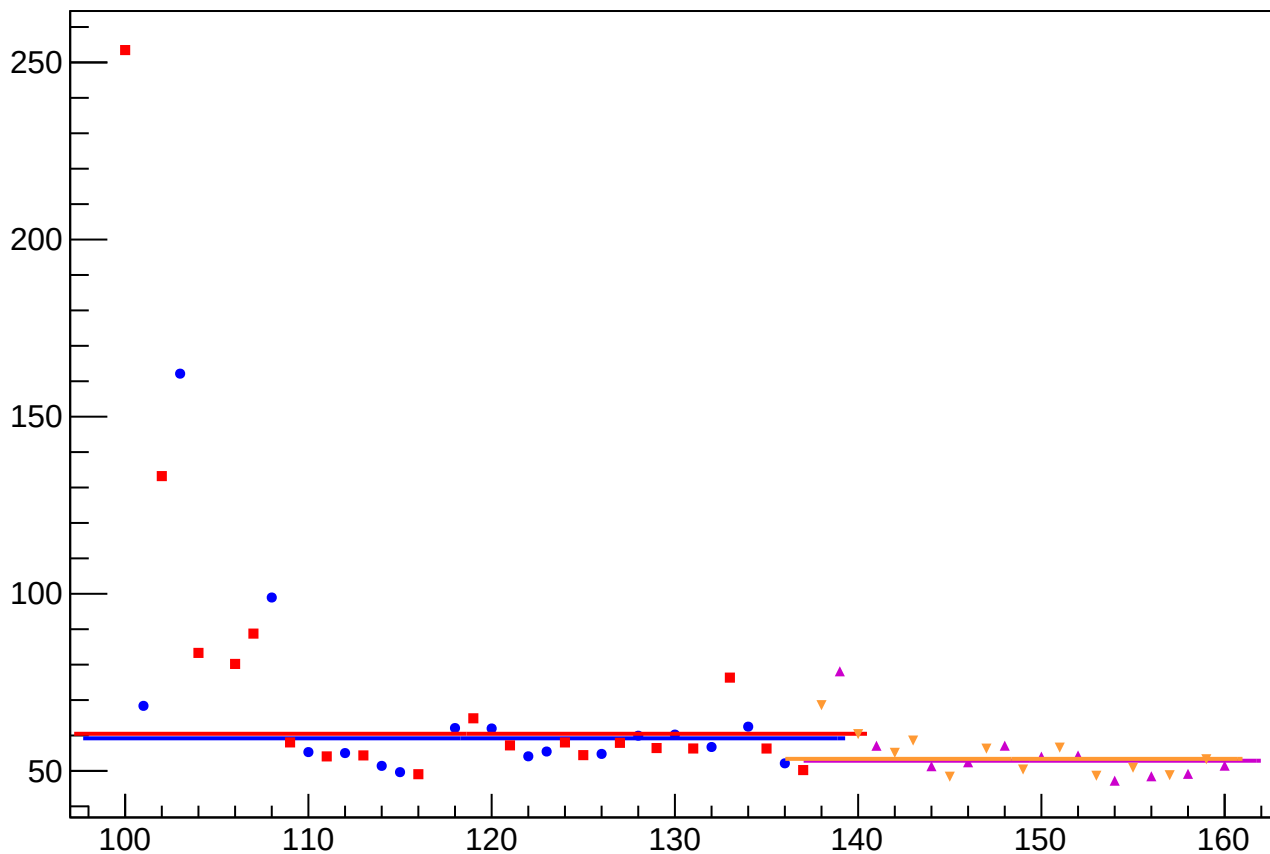
Left In: -50.418 $\pm$ 17.807 χ^2 /NDF:8.2/10

-2.131 $\pm$ 14.339 χ^2 /NDF: 60.1/28

-8.115 $\pm$ 10.100 χ^2 /NDF: 97.0/58

-14.007 $\pm$ 14.228 χ^2 /NDF: 36.6/29

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 53.403 $\pm$ 0.013 χ^2 /NDF: 165487.6/11

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

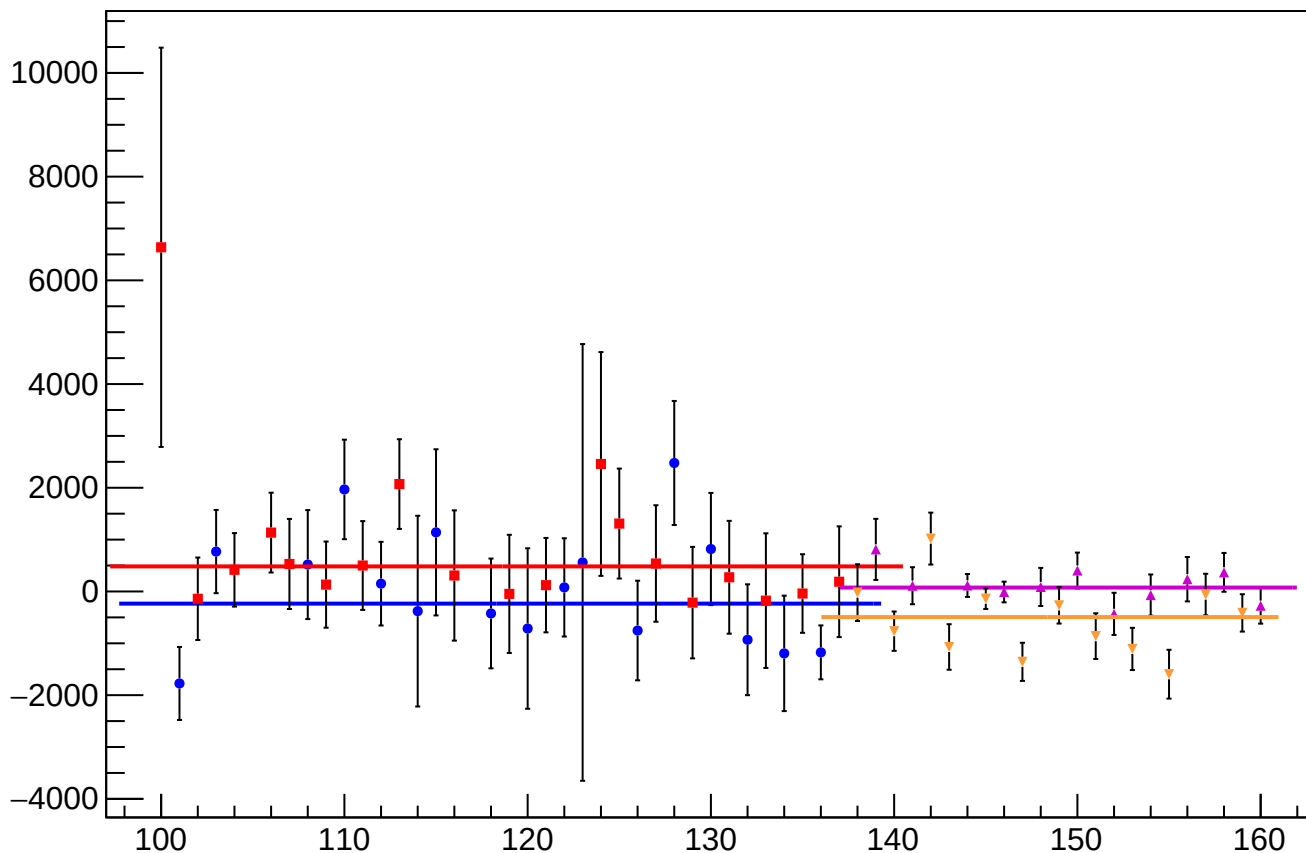
Left In: 52.875 $\pm$ 0.013 χ^2 /NDF: 219567.9/10

55.518 $\pm$ 0.010 χ^2 /NDF: 906705.0/28

55.572 $\pm$ 0.007 χ^2 /NDF: 1938421.7/58

55.626 $\pm$ 0.010 χ^2 /NDF: 1031659.5/29

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492+/-233.880 χ^2/NDF : 24.2/16

Left Out: -494.241+/-105.357 χ^2/NDF :30.9/11

Right Out: 483.305+/-222.314 χ^2/NDF : 10.6/18

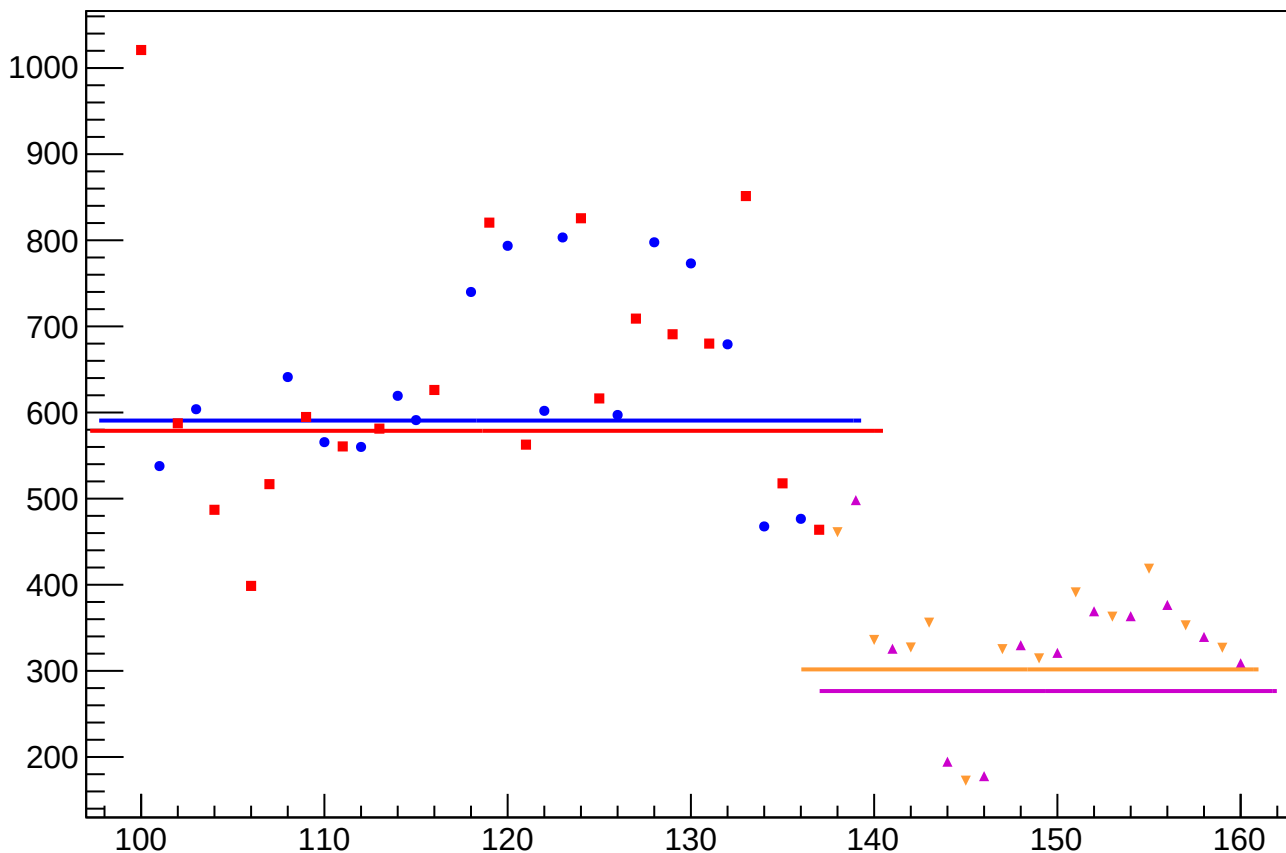
Left In: 74.984+/-97.355 χ^2/NDF :6.2/10

-450.423+/-96.060 χ^2/NDF : 56.1/28

-132.939+/-65.356 χ^2/NDF : 96.0/58

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: 301.707 $\pm$ 0.074 χ^2 /NDF:1377802.8/11

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

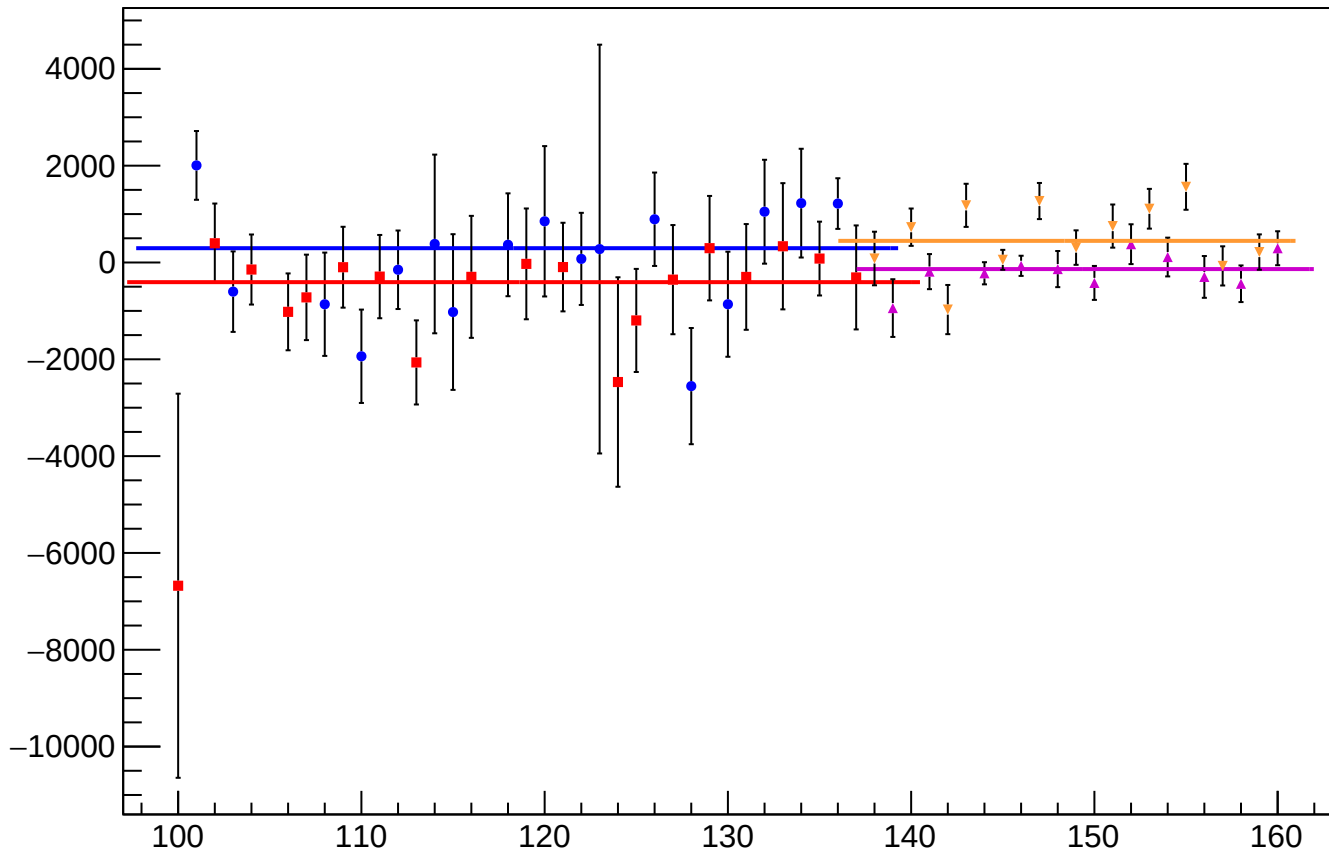
Left In: 276.575 $\pm$ 0.069 χ^2 /NDF:1546083.0/10

350.451 $\pm$ 0.068 χ^2 /NDF: 4267686.0/28

336.889 $\pm$ 0.046 χ^2 /NDF: 9482445.1/58

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 $\chi^2/\text{NDF}: 26.1/16$

Left Out: 446.818 ± 107.445 $\chi^2/\text{NDF}: 30.8/11$

Right Out: -406.158 ± 224.855 $\chi^2/\text{NDF}: 11.0/18$

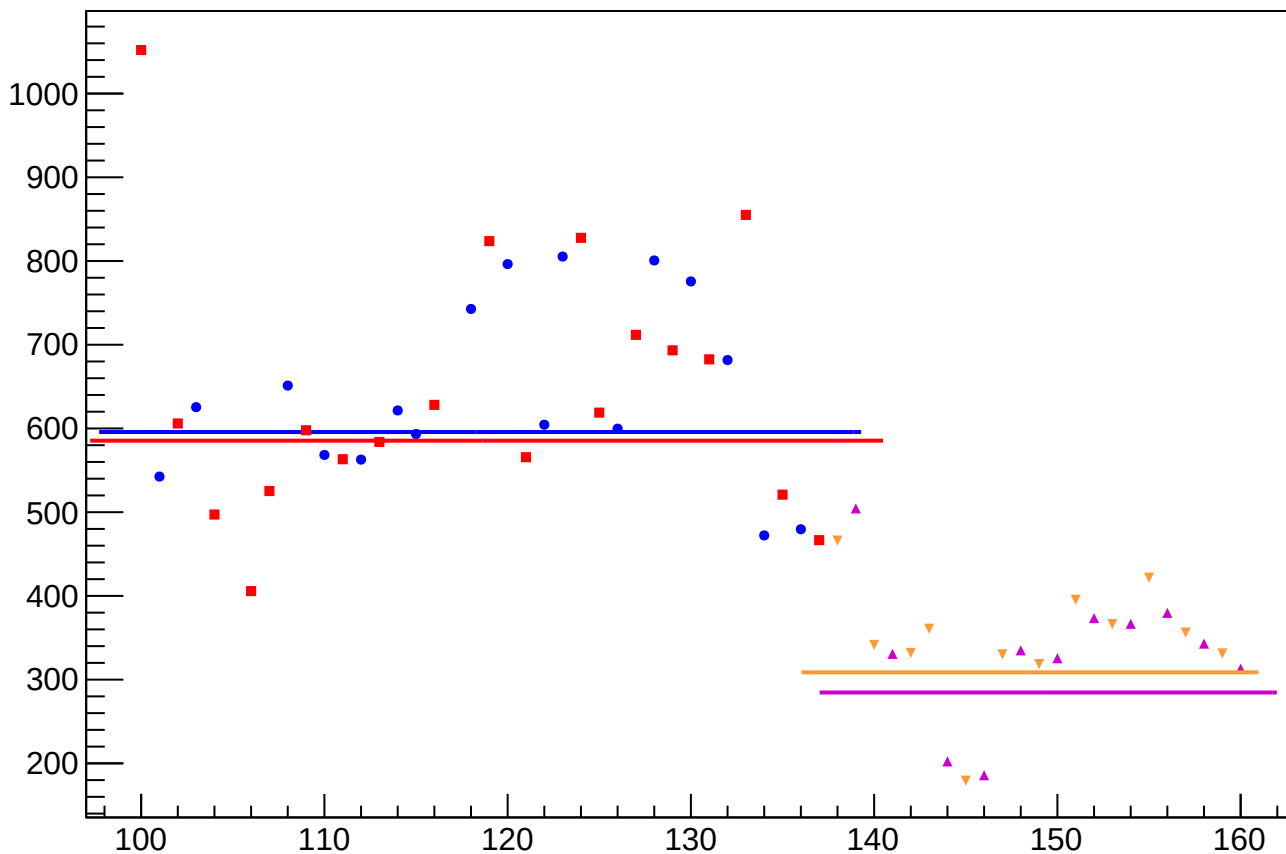
Left In: -136.059 ± 99.738 $\chi^2/\text{NDF}: 7.0/10$

420.796 ± 97.777 $\chi^2/\text{NDF}: 57.2/28$

99.170 ± 66.681 $\chi^2/\text{NDF}: 96.6/58$

-180.464 ± 91.171 $\chi^2/\text{NDF}: 19.2/29$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 308.703 $\pm$ 0.076 χ^2 /NDF:1271450.2/11

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

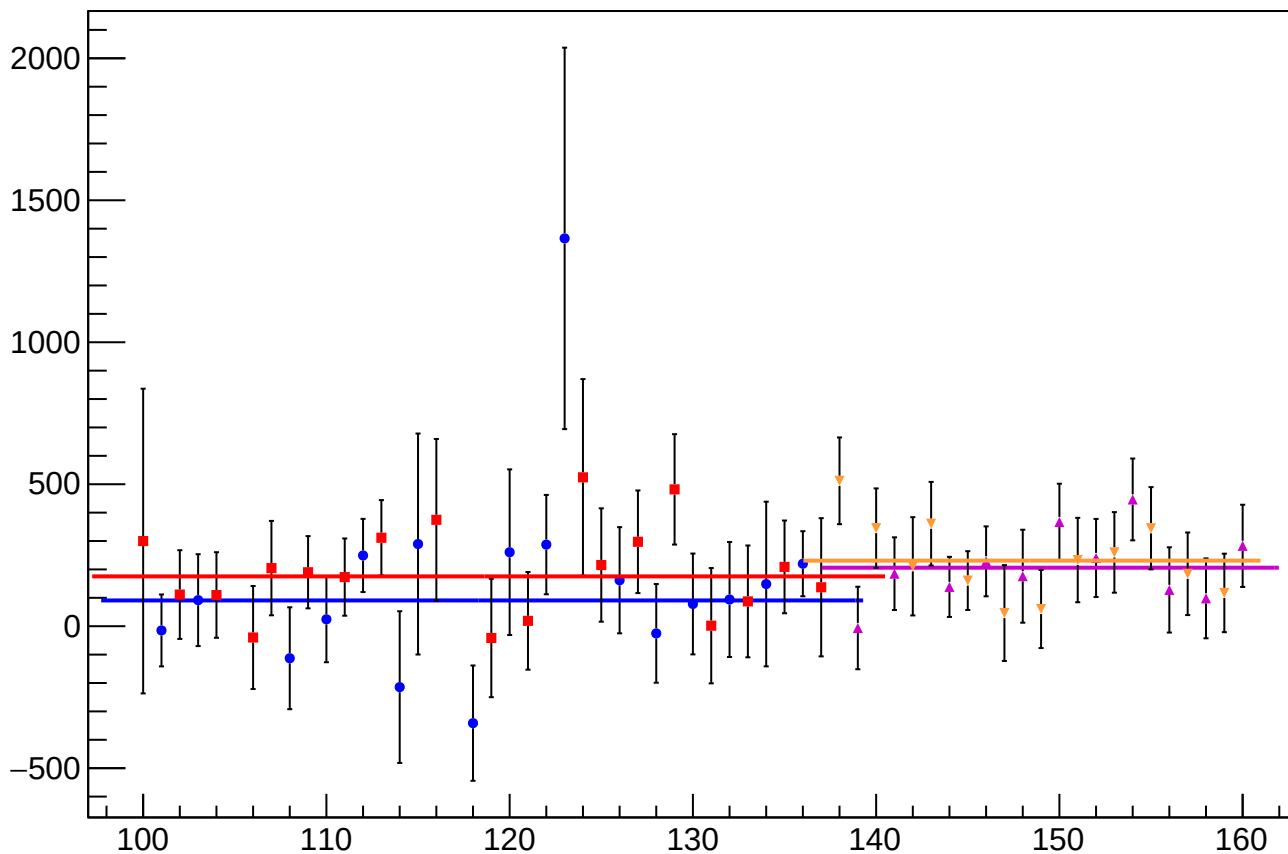
Left In: 284.637 $\pm$ 0.071 χ^2 /NDF:1412791.1/10

358.031 $\pm$ 0.069 χ^2 /NDF: 4074424.2/28

345.223 $\pm$ 0.047 χ^2 /NDF: 9016274.5/58

334.087 $\pm$ 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: 230.935+/-40.920 χ^2/NDF : 9.5/11

Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18

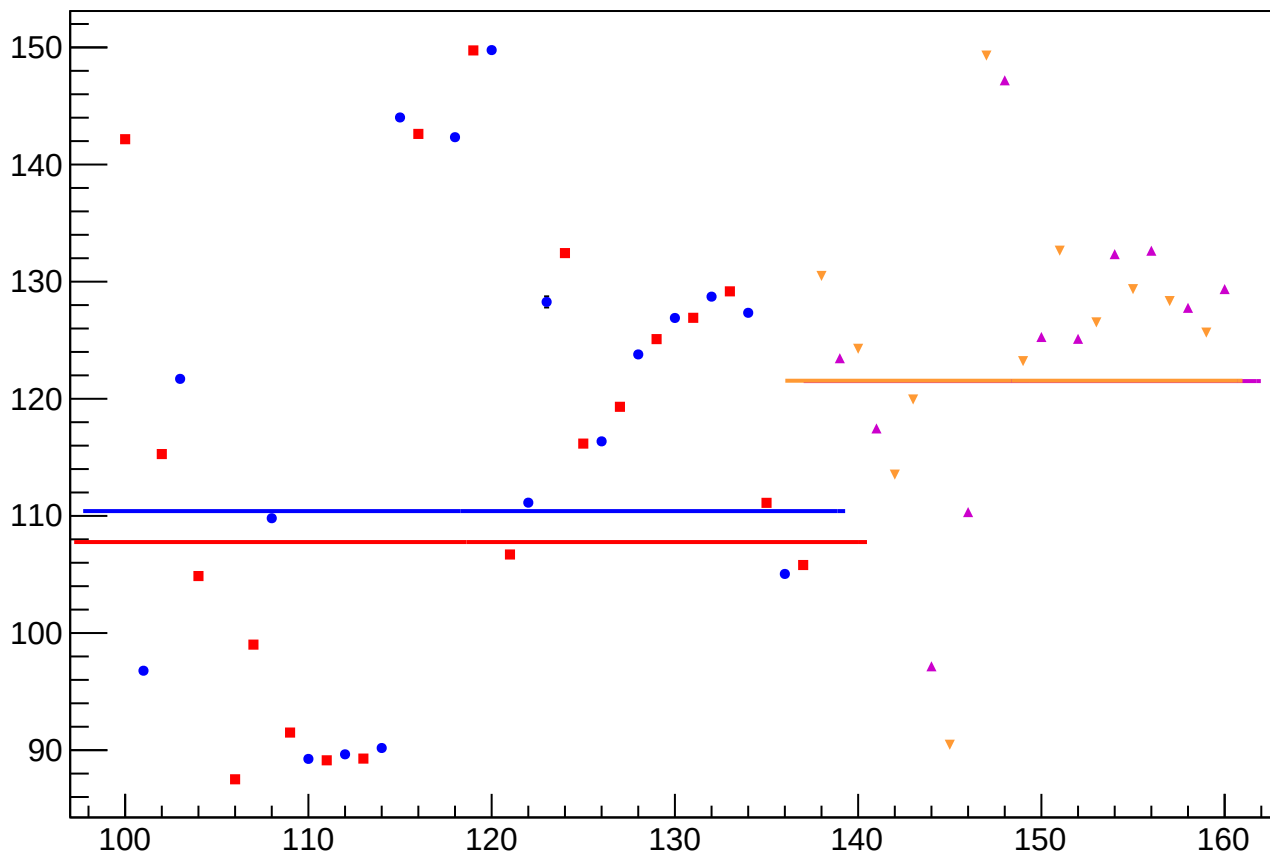
Left In: 206.058+/-40.833 χ^2/NDF : 8.1/10

164.802+/-29.745 χ^2/NDF : 31.9/28

178.182+/-20.752 χ^2/NDF : 51.0/58

190.871+/-28.968 χ^2/NDF : 18.6/29

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 ± 0.031 χ^2/NDF : 296425.4/16

Left Out: 121.542 ± 0.029 χ^2/NDF : 272657.5/11

Right Out: 107.768 ± 0.029 χ^2/NDF : 344441.4/18

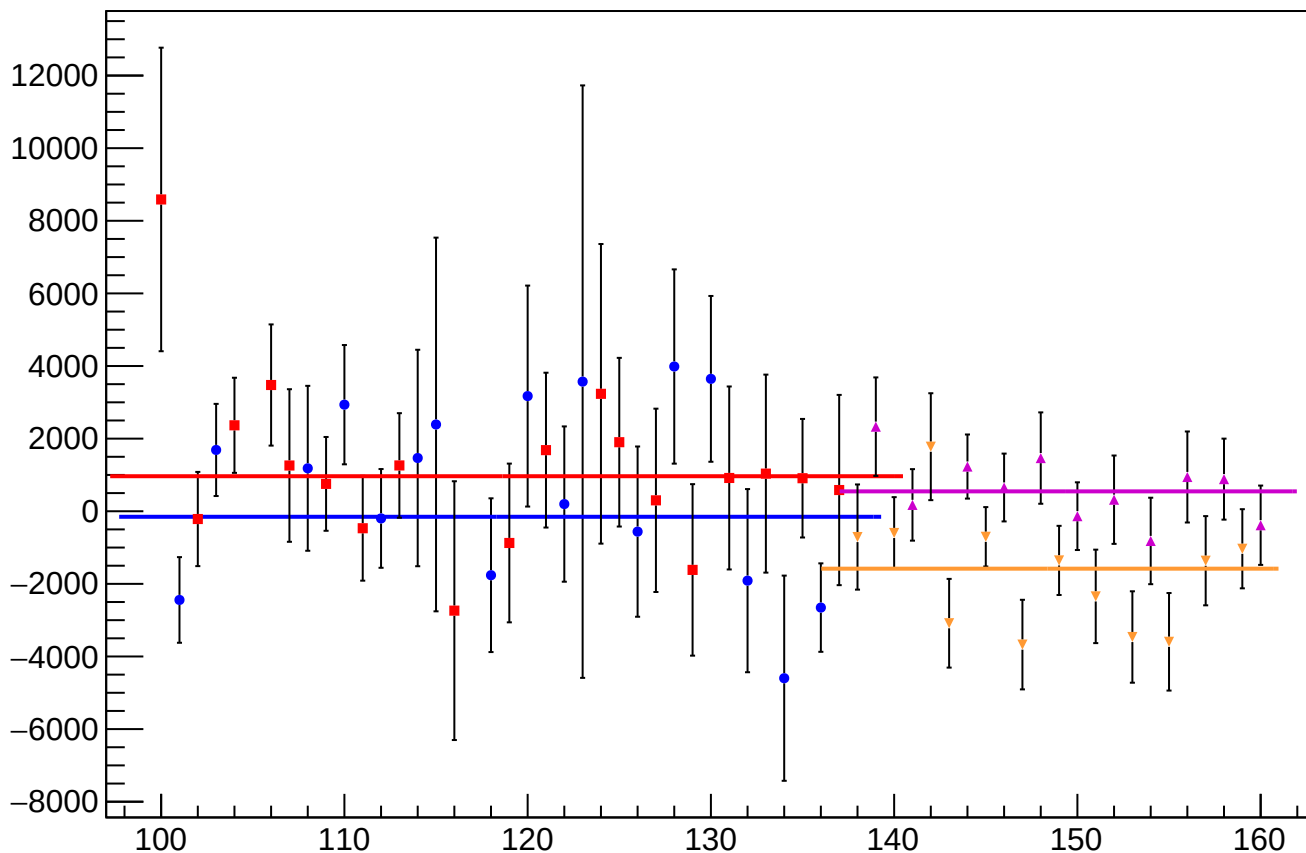
Left In: 121.511 ± 0.029 χ^2/NDF : 209019.7/10

116.293 ± 0.021 χ^2/NDF : 638878.7/28

115.467 ± 0.015 χ^2/NDF : 1307885.6/58

114.684 ± 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: -1581.624 ± 330.011 $\chi^2/\text{NDF}: 17.3/11$

Right Out: 964.716 ± 435.111 $\chi^2/\text{NDF}: 12.3/18$

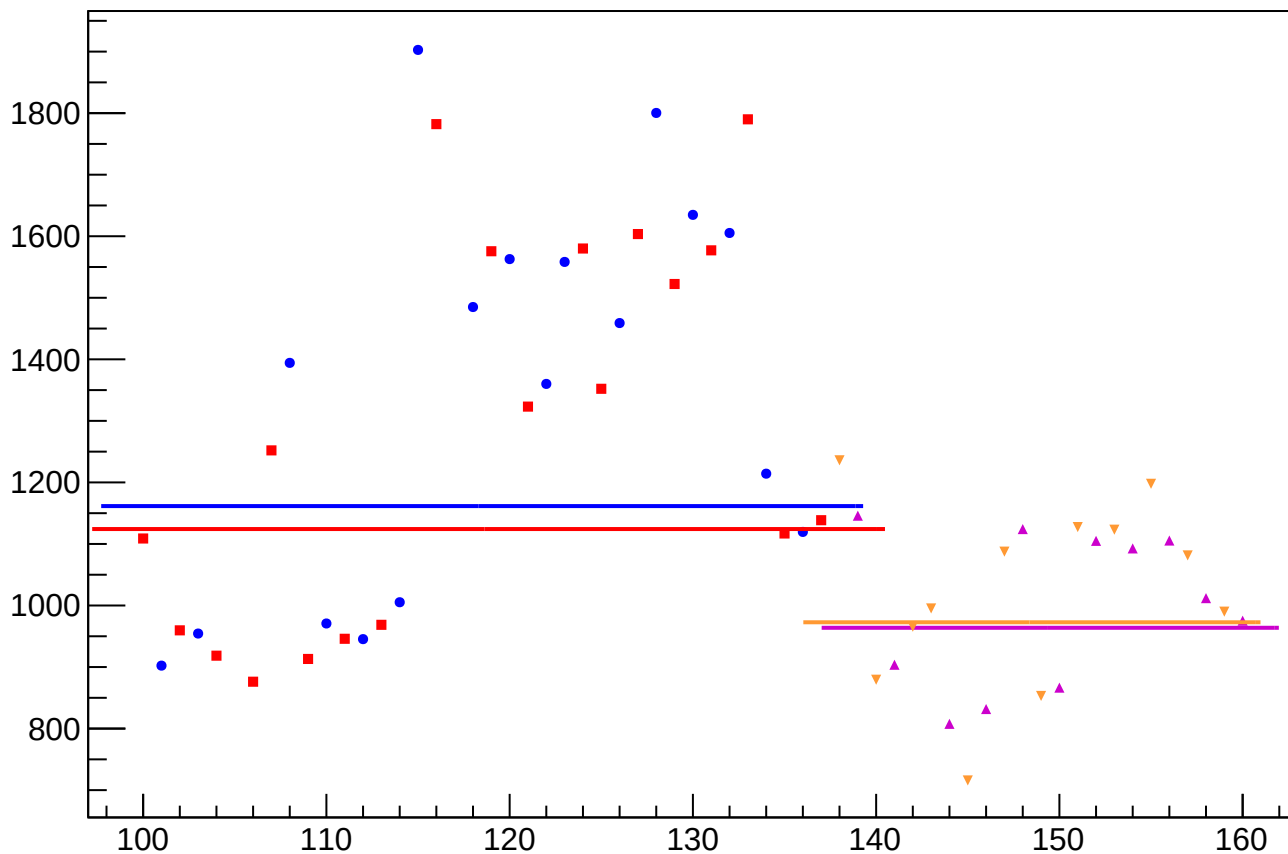
Left In: 547.533 ± 325.383 $\chi^2/\text{NDF}: 5.8/10$

-1102.548 ± 269.075 $\chi^2/\text{NDF}: 48.2/28$

-173.834 ± 187.189 $\chi^2/\text{NDF}: 90.0/58$

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: 972.734 $\pm$ 0.233 χ^2 /NDF: 460758.7/11

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

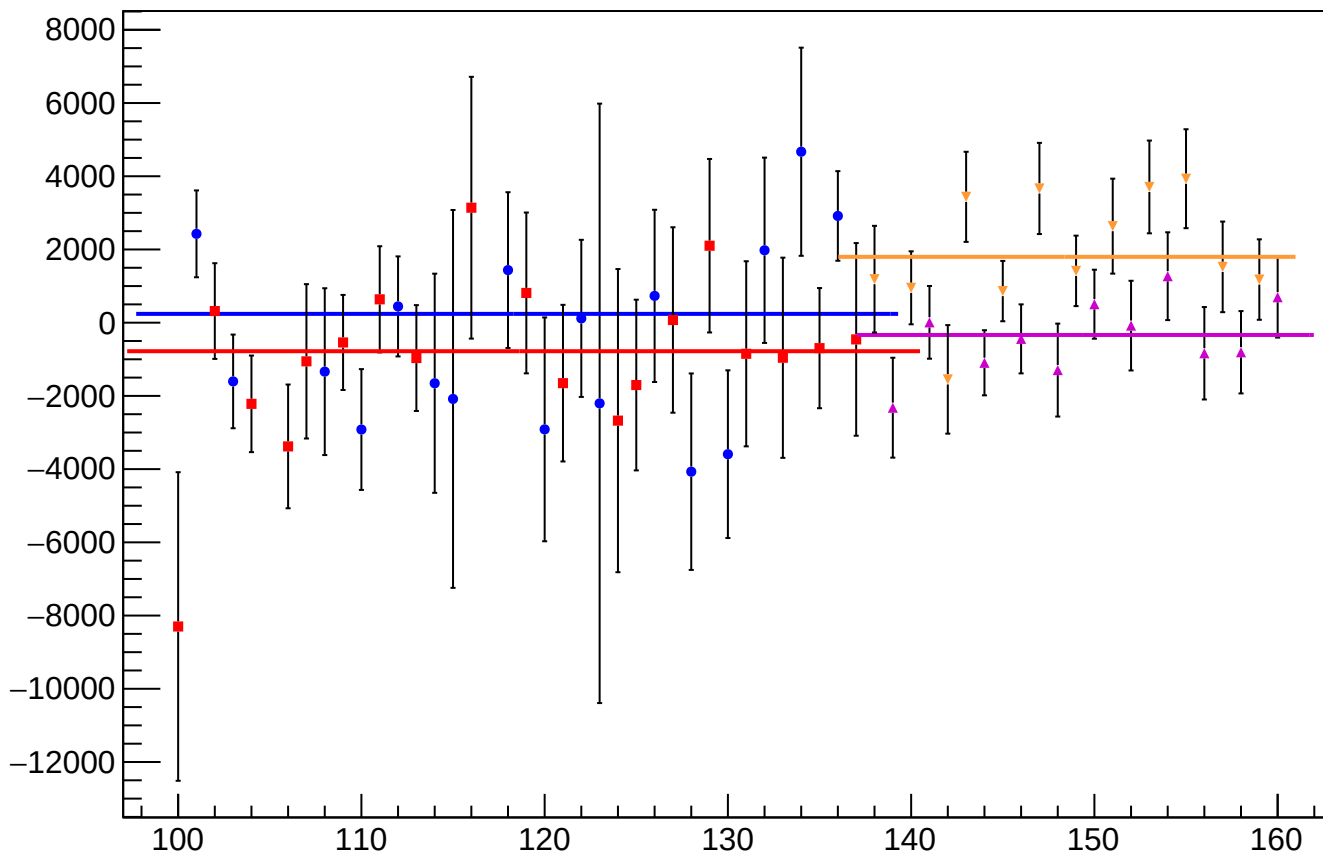
Left In: 963.792 $\pm$ 0.230 χ^2 /NDF: 280163.5/10

1036.019 $\pm$ 0.190 χ^2 /NDF: 1376079.5/28

1028.442 $\pm$ 0.132 χ^2 /NDF: 2601510.4/58

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: 1798.355 ± 332.684 χ^2/NDF : 17.0/11

Right Out: -779.192 ± 437.487 χ^2/NDF : 12.3/18

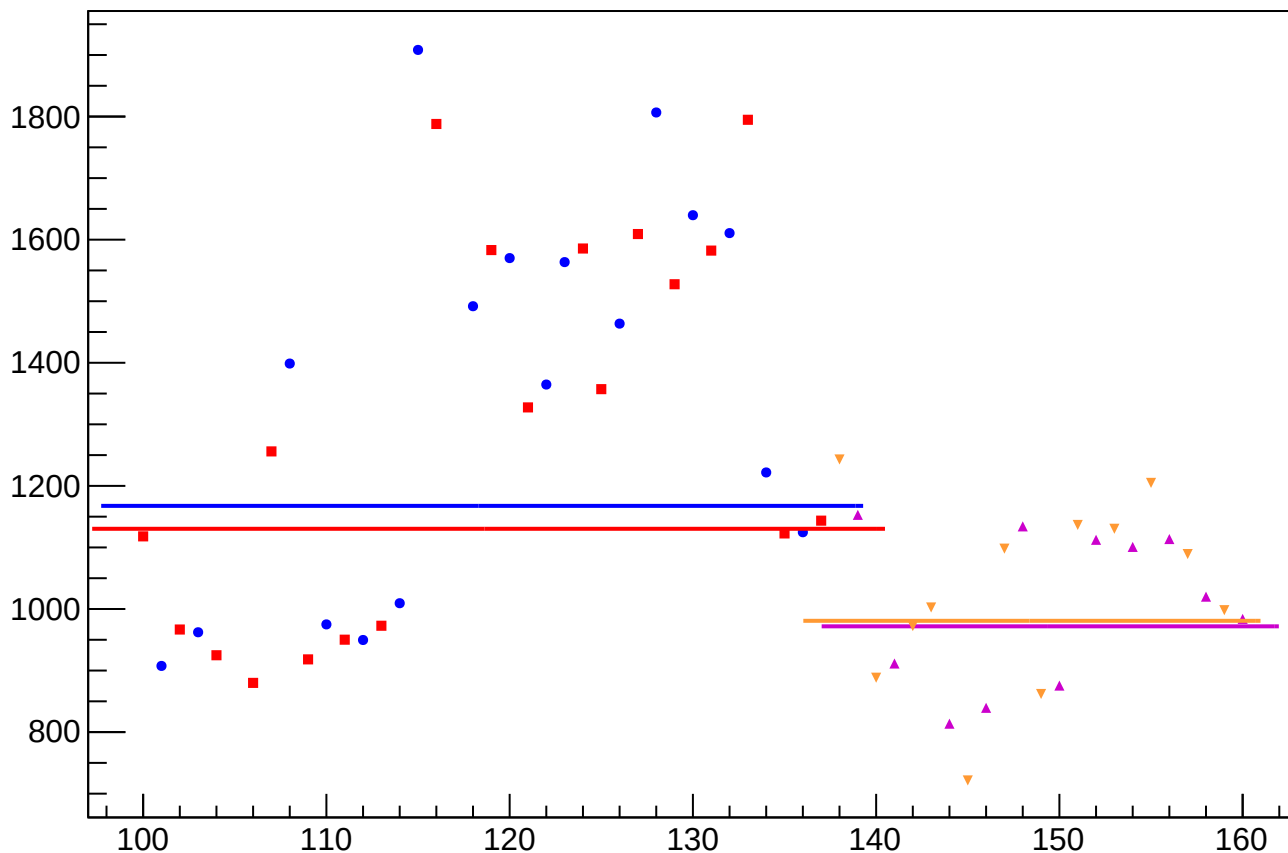
Left In: -335.442 ± 328.049 χ^2/NDF : 7.4/10

1274.040 ± 270.967 χ^2/NDF : 49.2/28

361.233 ± 188.522 χ^2/NDF : 91.6/58

-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: 980.814 $\pm$ 0.235 χ^2 /NDF: 456360.5/11

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

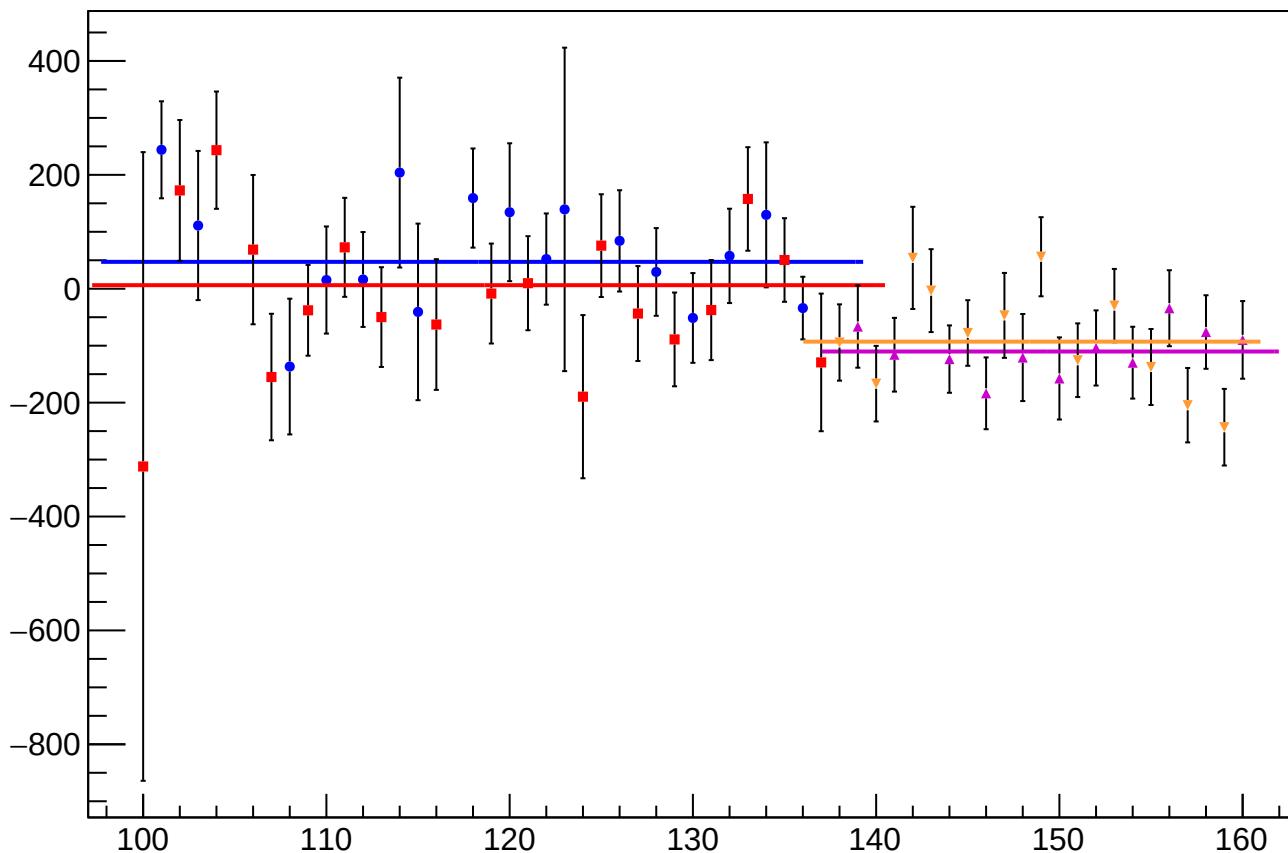
Left In: 971.833 $\pm$ 0.232 χ^2 /NDF: 277603.6/10

1043.668 $\pm$ 0.192 χ^2 /NDF: 1358926.2/28

1036.031 $\pm$ 0.133 χ^2 /NDF: 2569079.4/58

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 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -92.884 $\pm$ 19.573 χ^2 /NDF: 20.1/11

Right Out: 6.246 $\pm$ 22.128 χ^2 /NDF: 20.3/18

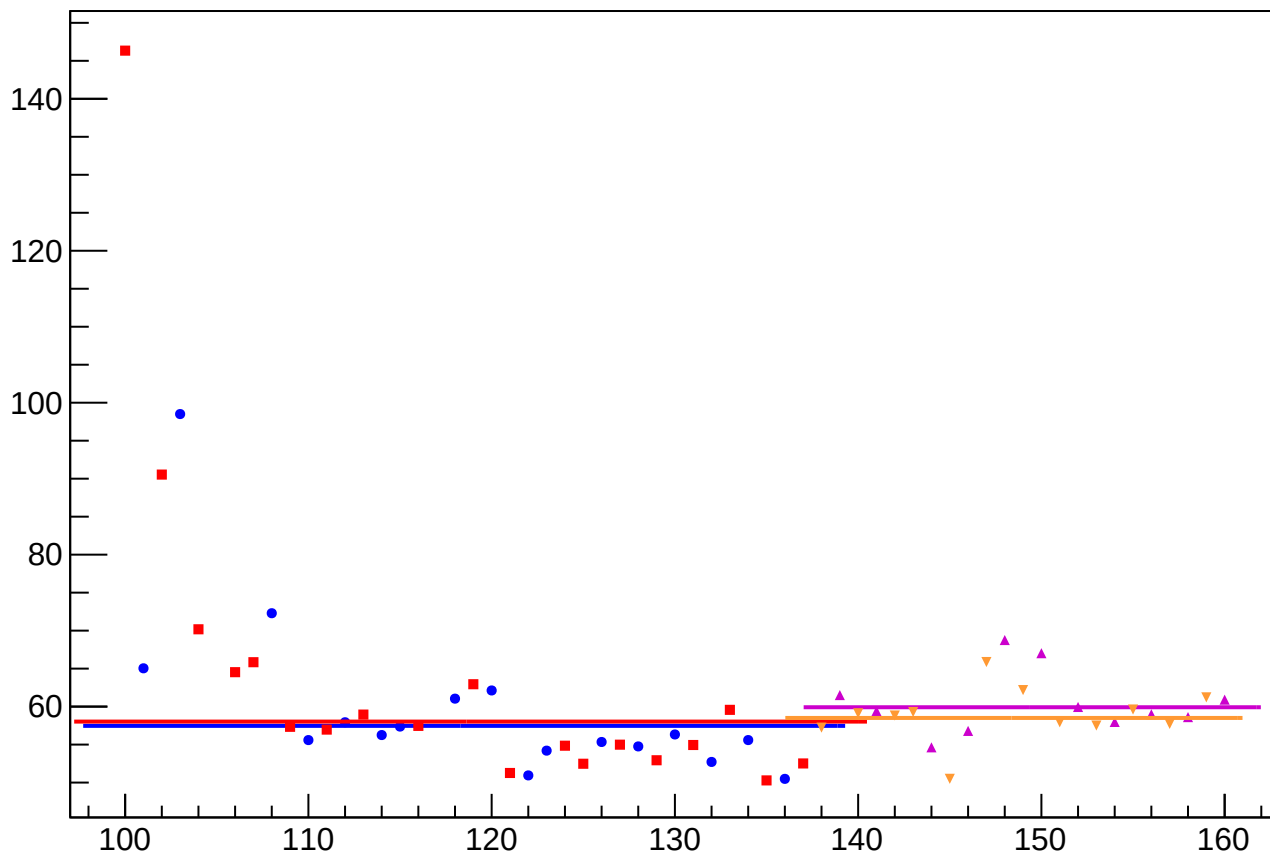
Left In: -110.218 $\pm$ 20.035 χ^2 /NDF: 4.0/10

-32.728 $\pm$ 14.786 χ^2 /NDF: 58.2/28

-45.184 $\pm$ 10.478 χ^2 /NDF: 99.1/58

-57.752 $\pm$ 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: 58.507 $\pm$ 0.014 χ^2 /NDF: 69577.6/11

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

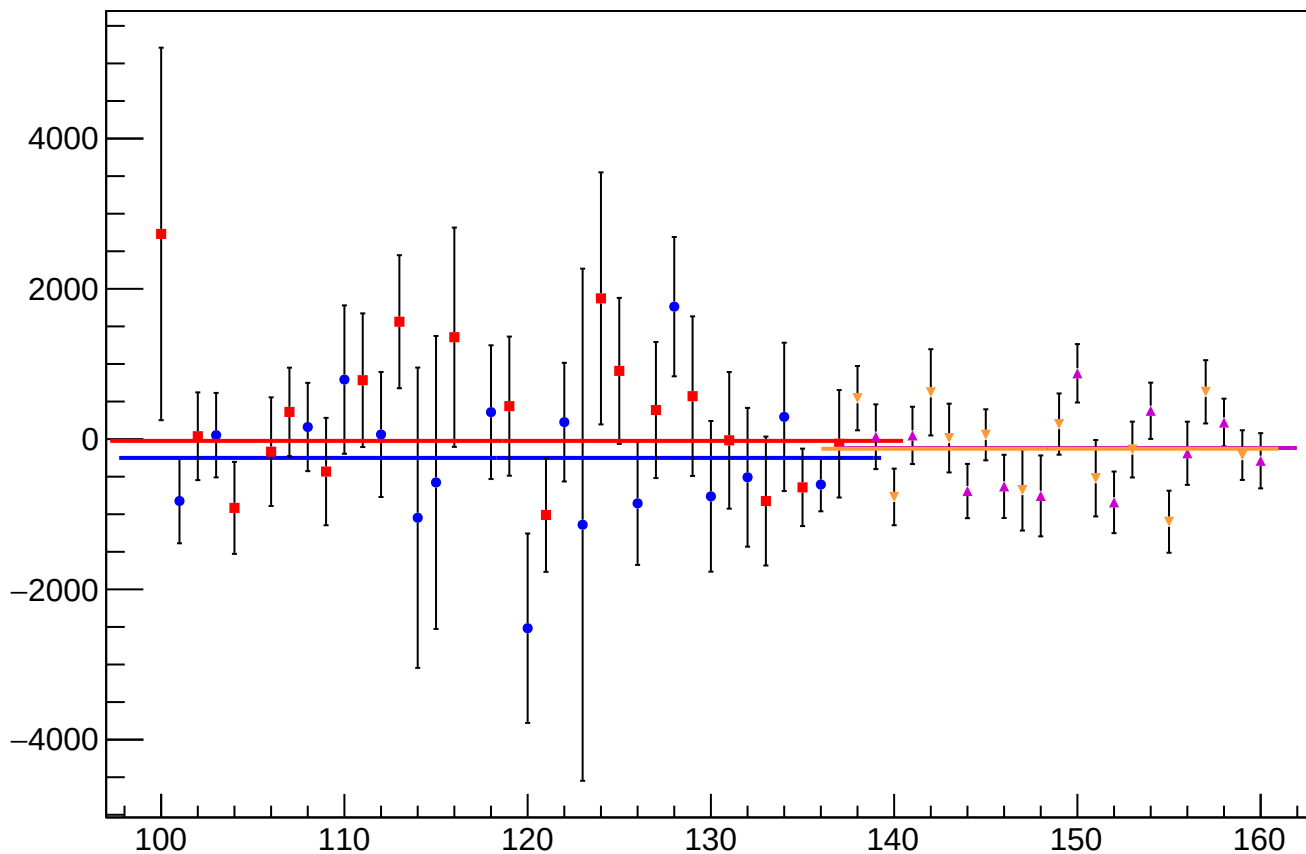
Left In: 59.914 $\pm$ 0.014 χ^2 /NDF: 71640.7/10

58.060 $\pm$ 0.010 χ^2 /NDF: 379166.3/28

58.560 $\pm$ 0.007 χ^2 /NDF: 764183.8/58

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: -128.095+/-119.343 χ^2/NDF : 18.6/11

Right Out: -23.314+/-181.834 χ^2/NDF : 16.1/18

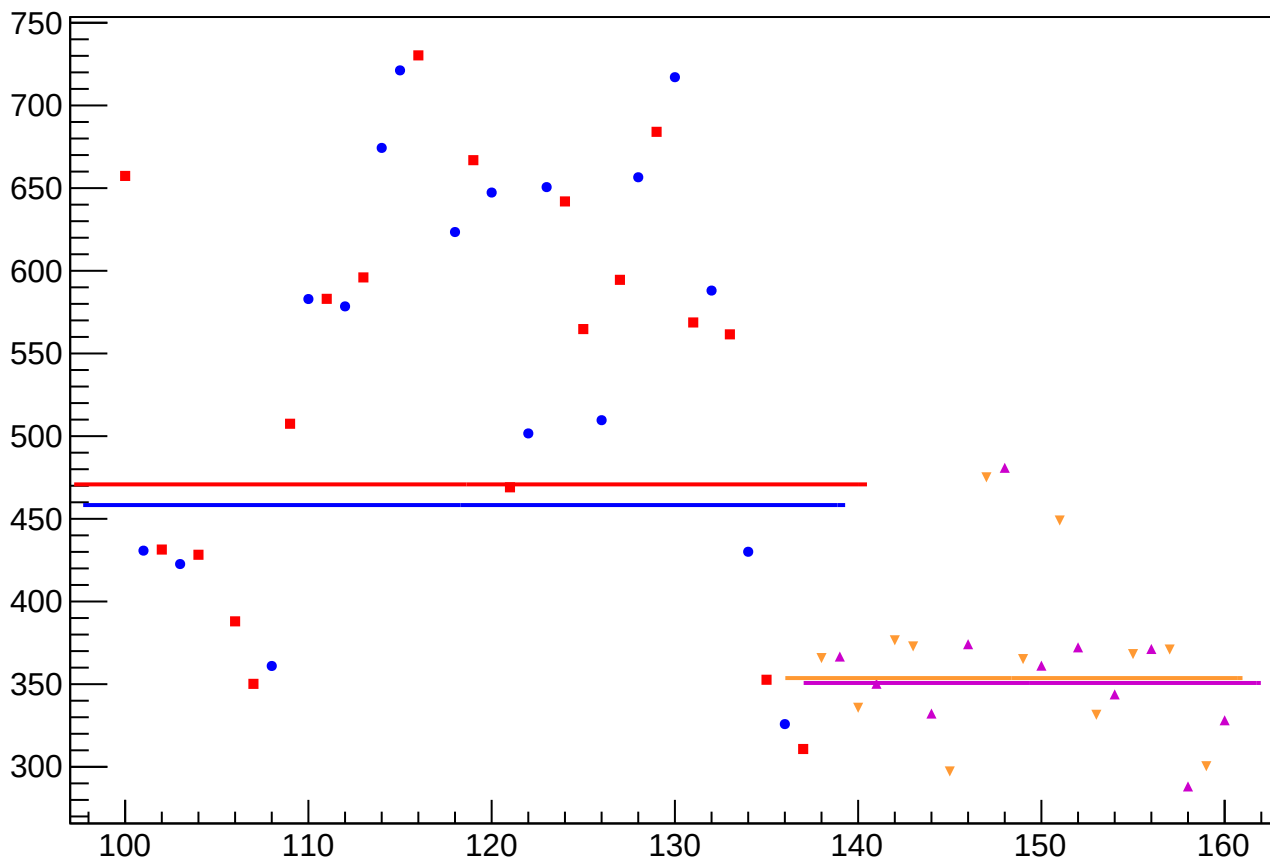
Left In: -118.329+/-118.107 χ^2/NDF : 18.5/10

-164.209+/-100.141 χ^2/NDF : 33.2/28

-126.766+/-70.420 χ^2/NDF : 68.2/58

-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: 353.690 $\pm$ 0.084 χ^2 /NDF: 306398.1/11

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

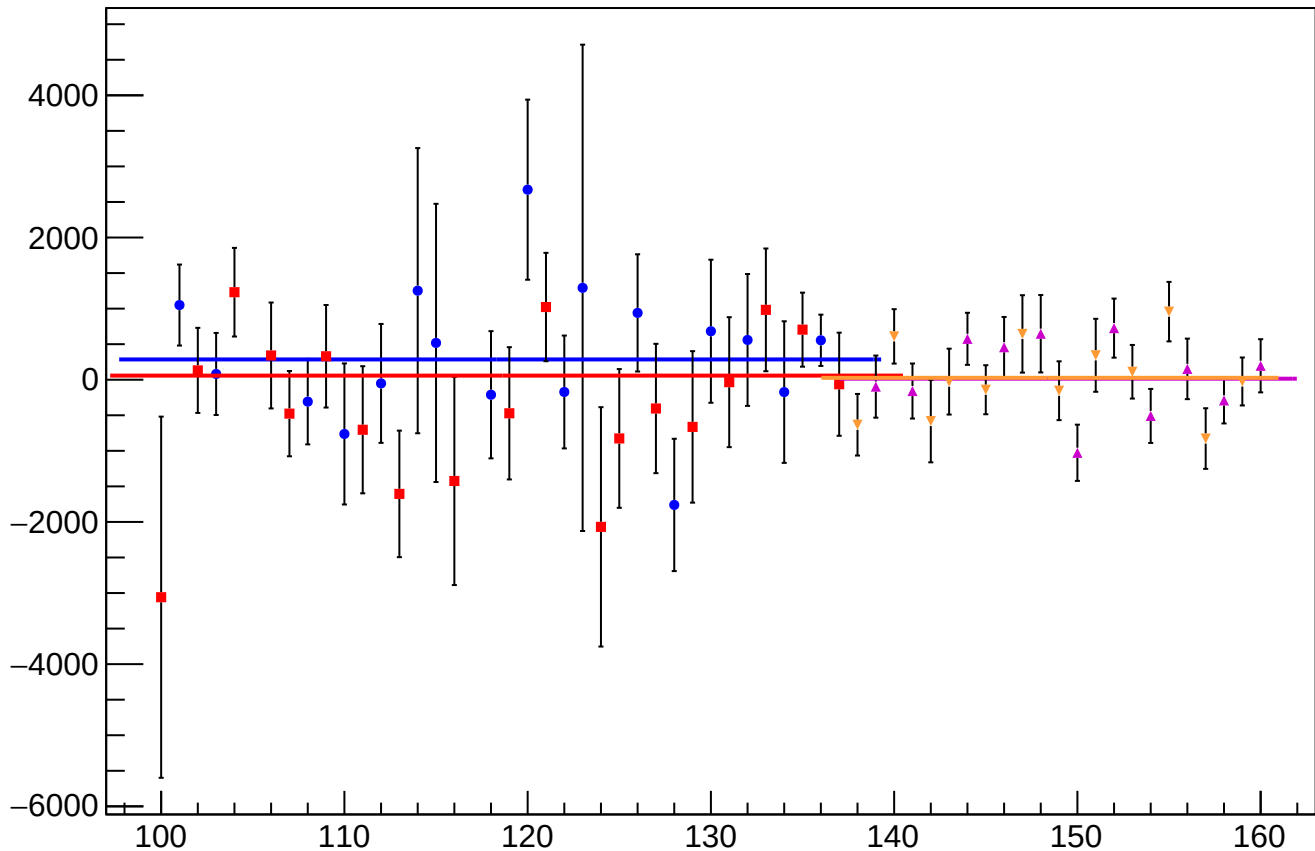
Left In: 350.729 $\pm$ 0.084 χ^2 /NDF: 228671.5/10

384.652 $\pm$ 0.071 χ^2 /NDF: 1638526.4/28

385.517 $\pm$ 0.050 χ^2 /NDF: 3259729.8/58

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: 26.783 $\pm$ 121.044 χ^2 /NDF:16.9/11

Right Out: 58.001 $\pm$ 184.074 χ^2 /NDF: 19.2/18

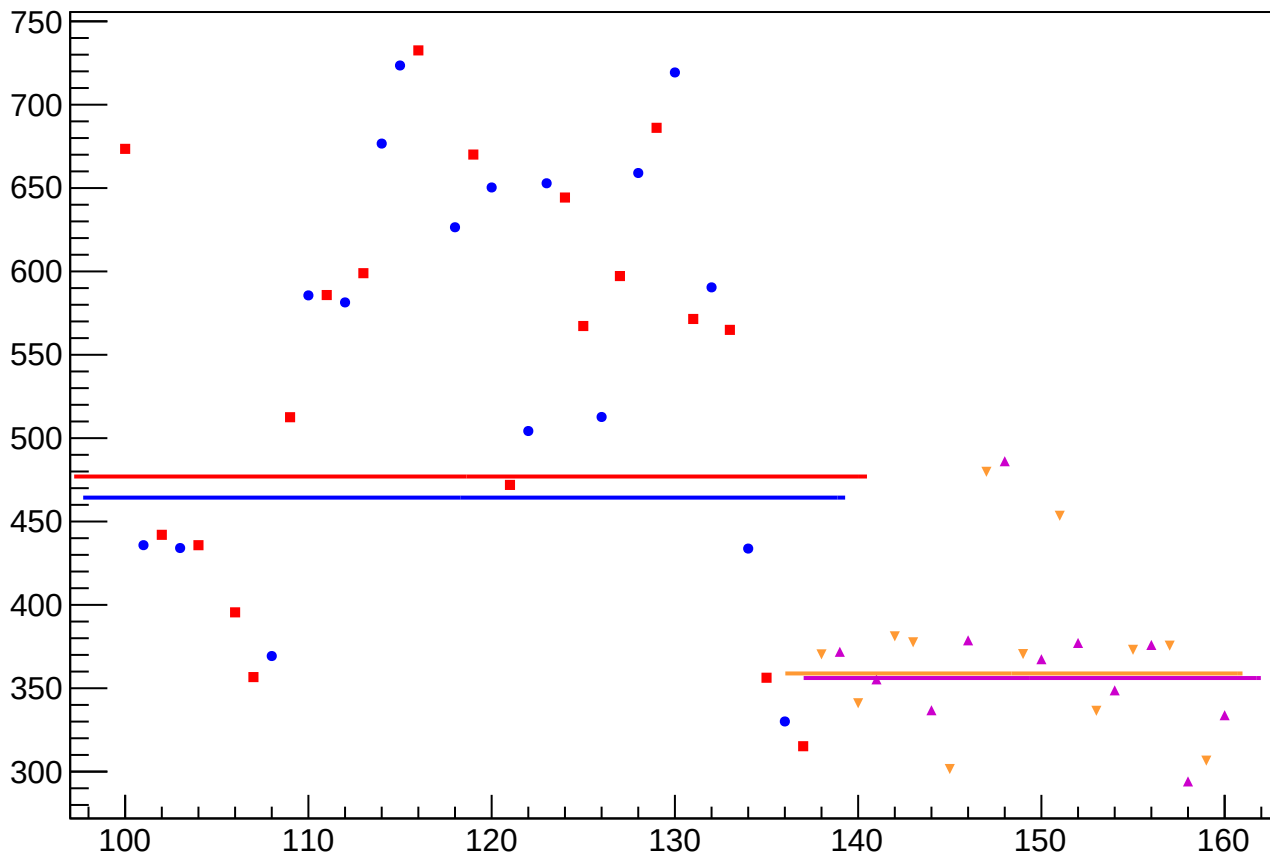
Left In: 14.536 $\pm$ 119.882 χ^2 /NDF:18.0/10

103.557 $\pm$ 101.495 χ^2 /NDF: 33.4/28

65.128 $\pm$ 71.398 χ^2 /NDF: 71.0/58

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 +/- 0.132 χ^2/NDF : 845900.9/16

Left Out: 358.873 +/- 0.086 χ^2/NDF : 296018.9/11

Right Out: 476.989 +/- 0.130 χ^2/NDF : 749331.1/18

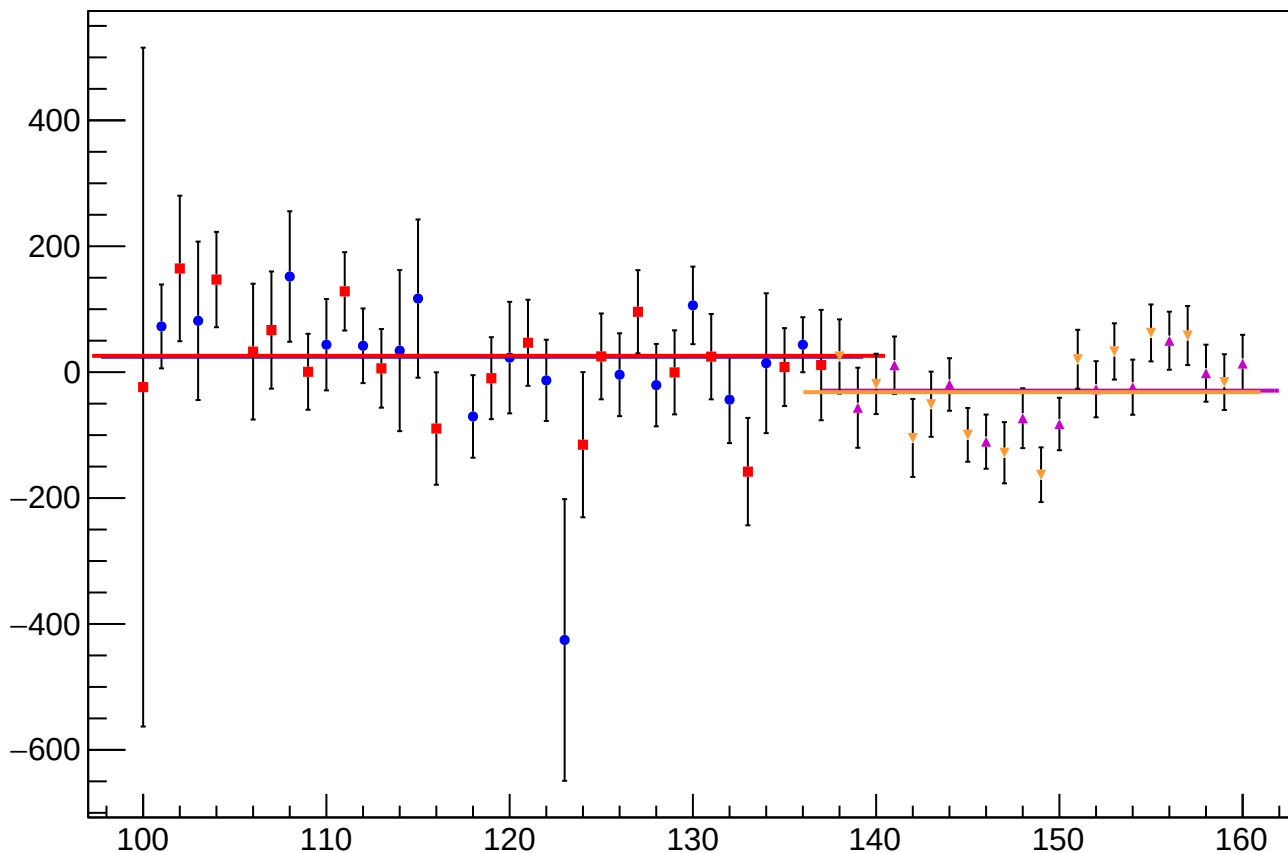
Left In: 356.125 +/- 0.085 χ^2/NDF : 220205.3/10

390.188 +/- 0.072 χ^2/NDF : 1592766.3/28

391.165 +/- 0.050 χ^2/NDF : 3168128.8/58

392.122 +/- 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: -31.812 $\pm$ 13.780 χ^2 /NDF:29.5/11

Right Out: 25.884 $\pm$ 17.386 χ^2 /NDF: 16.8/18

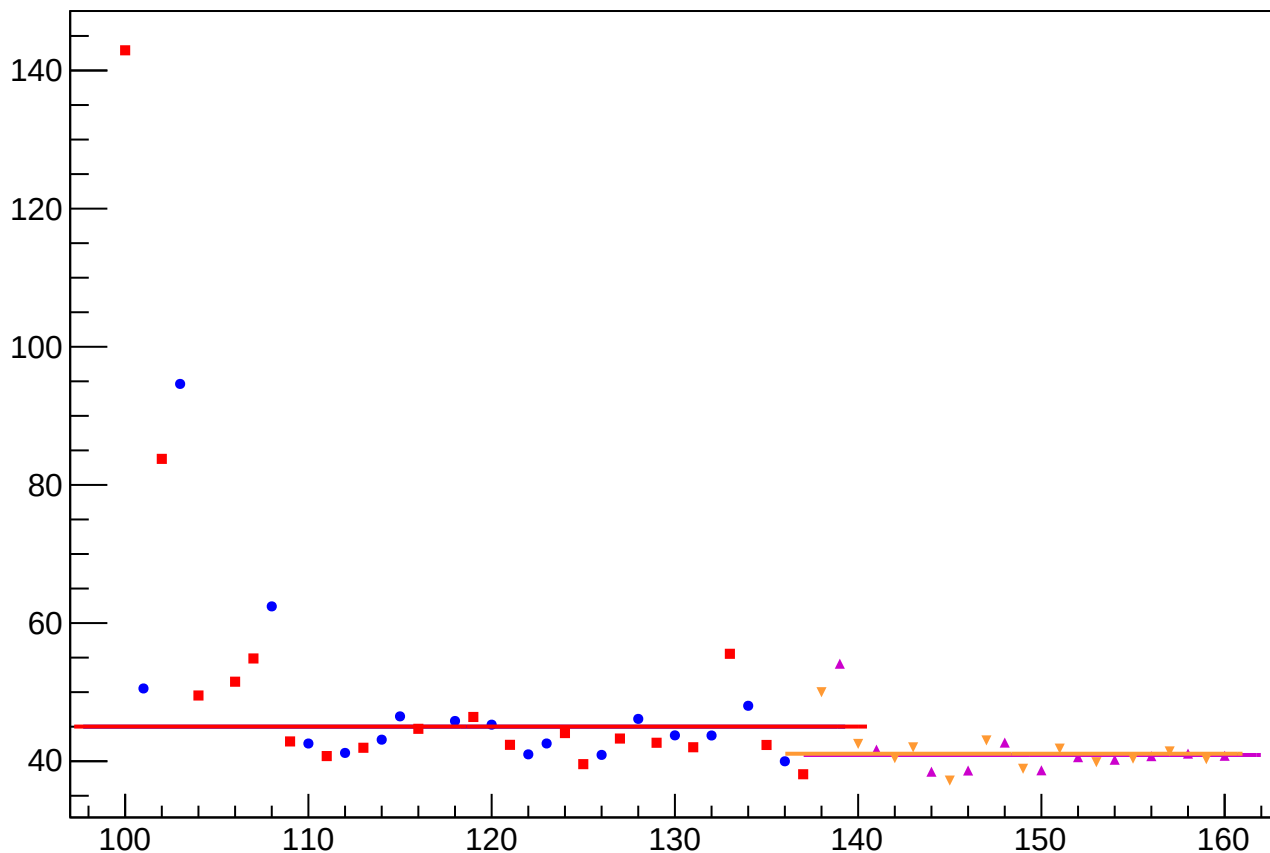
Left In: -29.336 $\pm$ 13.705 χ^2 /NDF:11.3/10

-10.735 $\pm$ 10.906 χ^2 /NDF: 48.8/28

-9.438 $\pm$ 7.660 χ^2 /NDF: 83.1/58

-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+/-0.013 χ^2/NDF : 438352.8/16

Left Out: 41.086+/-0.010 χ^2/NDF : 76113.6/11

Right Out: 45.017+/-0.012 χ^2/NDF : 415509.0/18

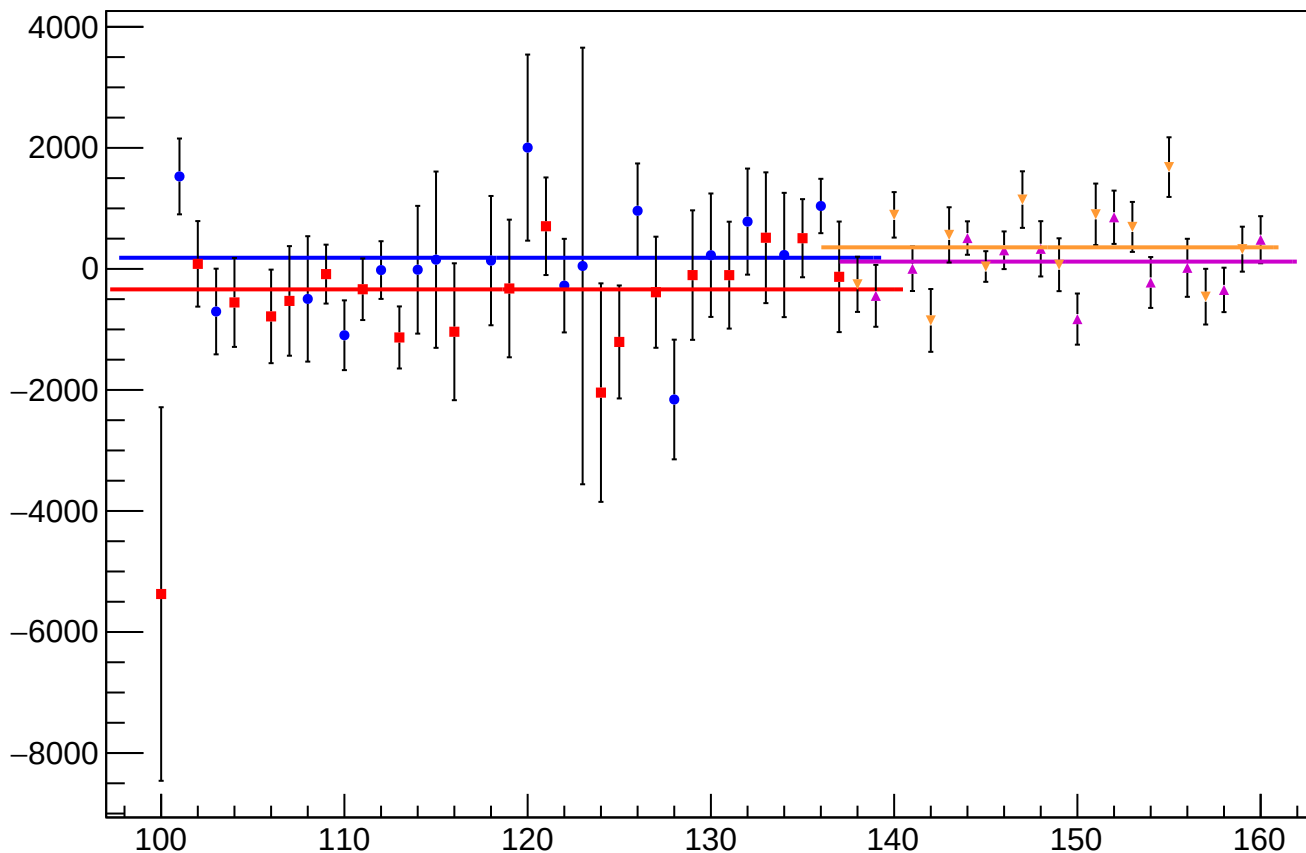
Left In: 40.904+/-0.010 χ^2/NDF : 108221.0/10

42.549+/-0.008 χ^2/NDF : 574807.8/28

42.514+/-0.005 χ^2/NDF : 1167629.5/58

42.480+/-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: 356.504 $\pm$ 118.155 χ^2 /NDF: 26.5/11

Right Out: -338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

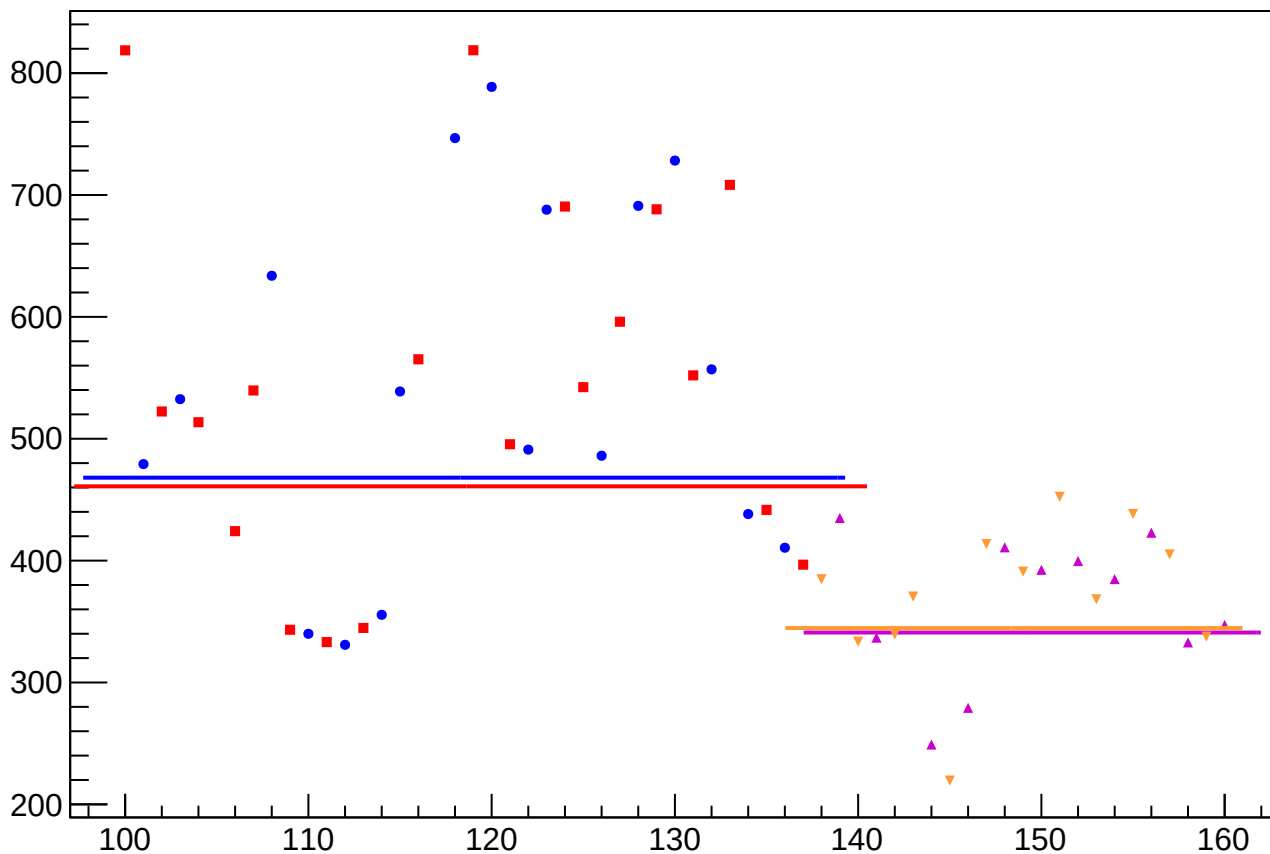
Left In: 120.539 $\pm$ 116.096 χ^2 /NDF: 14.9/10

307.919 $\pm$ 100.122 χ^2 /NDF: 51.3/28

142.154 $\pm$ 69.838 χ^2 /NDF: 88.7/58

-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: 344.660 $\pm$ 0.084 χ^2 /NDF: 782092.5/11

Right Out: 460.939 $\pm$ 0.127 χ^2 /NDF: 955028.5/18

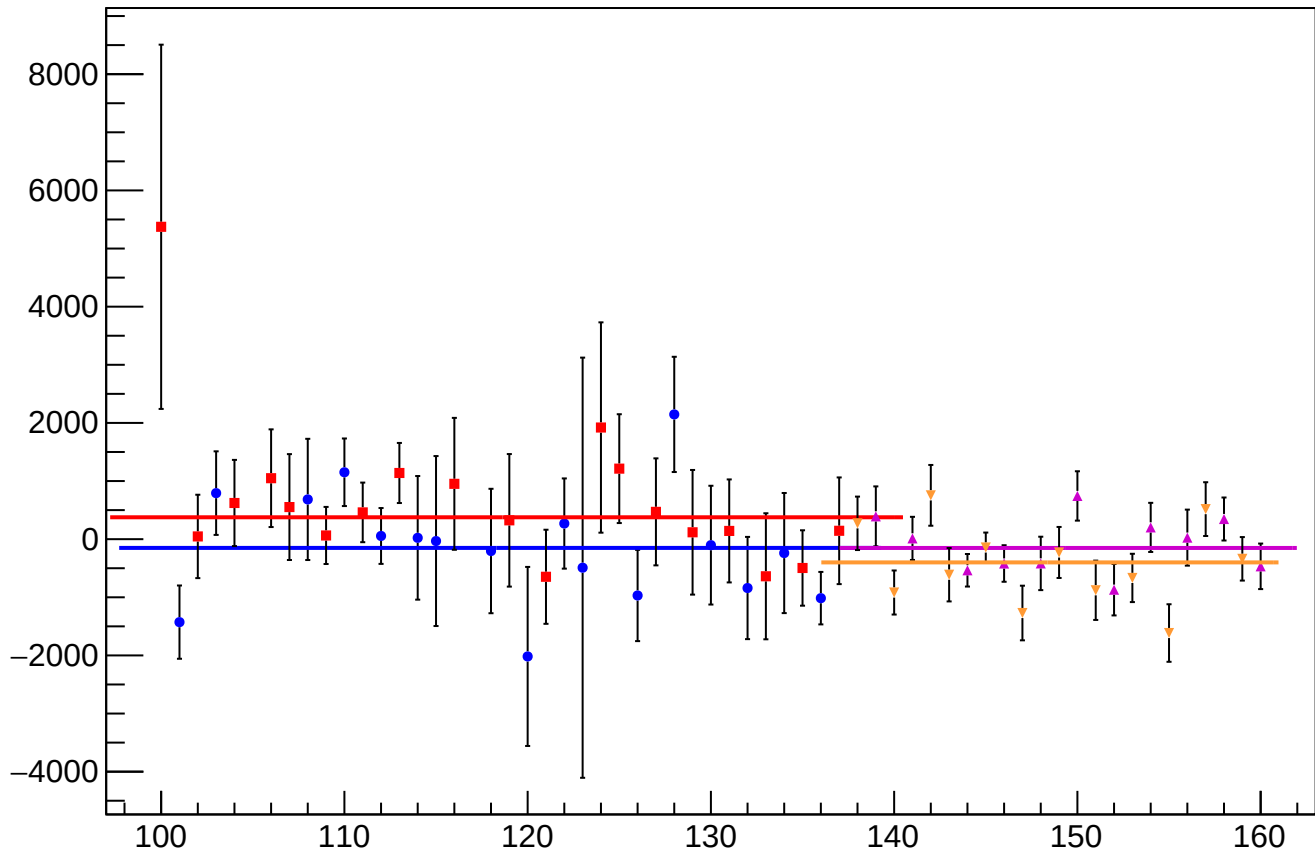
Left In: 340.993 $\pm$ 0.082 χ^2 /NDF: 561239.0/10

379.456 $\pm$ 0.071 χ^2 /NDF: 2277597.5/28

377.888 $\pm$ 0.049 χ^2 /NDF: 4425060.5/58

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 $\chi^2/\text{NDF}: 24.2/16$

Left Out: -399.660 ± 119.106 $\chi^2/\text{NDF}: 24.9/11$

Right Out: 376.554 ± 181.258 $\chi^2/\text{NDF}: 12.4/18$

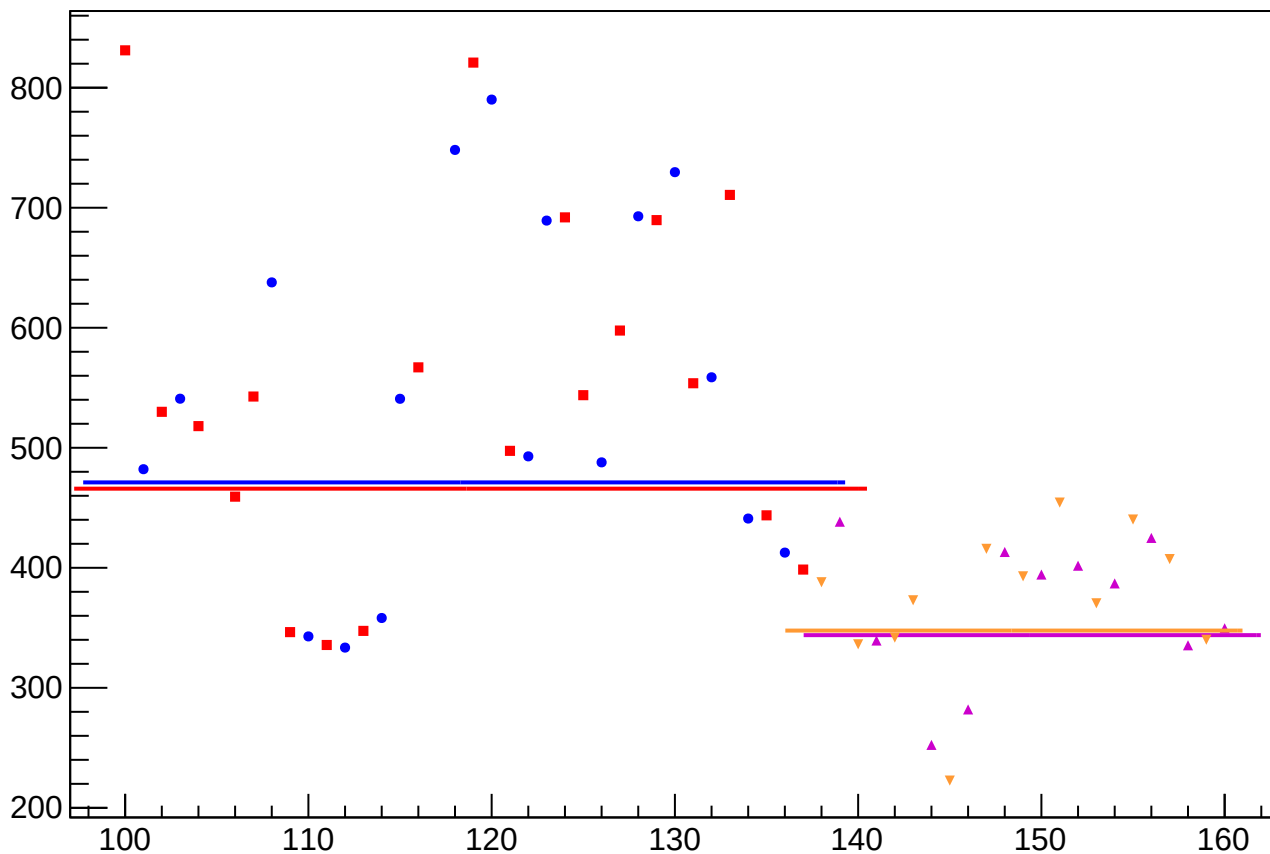
Left In: -151.175 ± 117.016 $\chi^2/\text{NDF}: 14.6/10$

-329.170 ± 100.876 $\chi^2/\text{NDF}: 50.4/28$

-158.258 ± 70.405 $\chi^2/\text{NDF}: 89.0/58$

4.068 ± 98.309 $\chi^2/\text{NDF}: 33.0/29$

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: 347.701 $\pm$ 0.084 χ^2 /NDF: 757320.7/11

Right Out: 465.935 $\pm$ 0.128 χ^2 /NDF: 940521.6/18

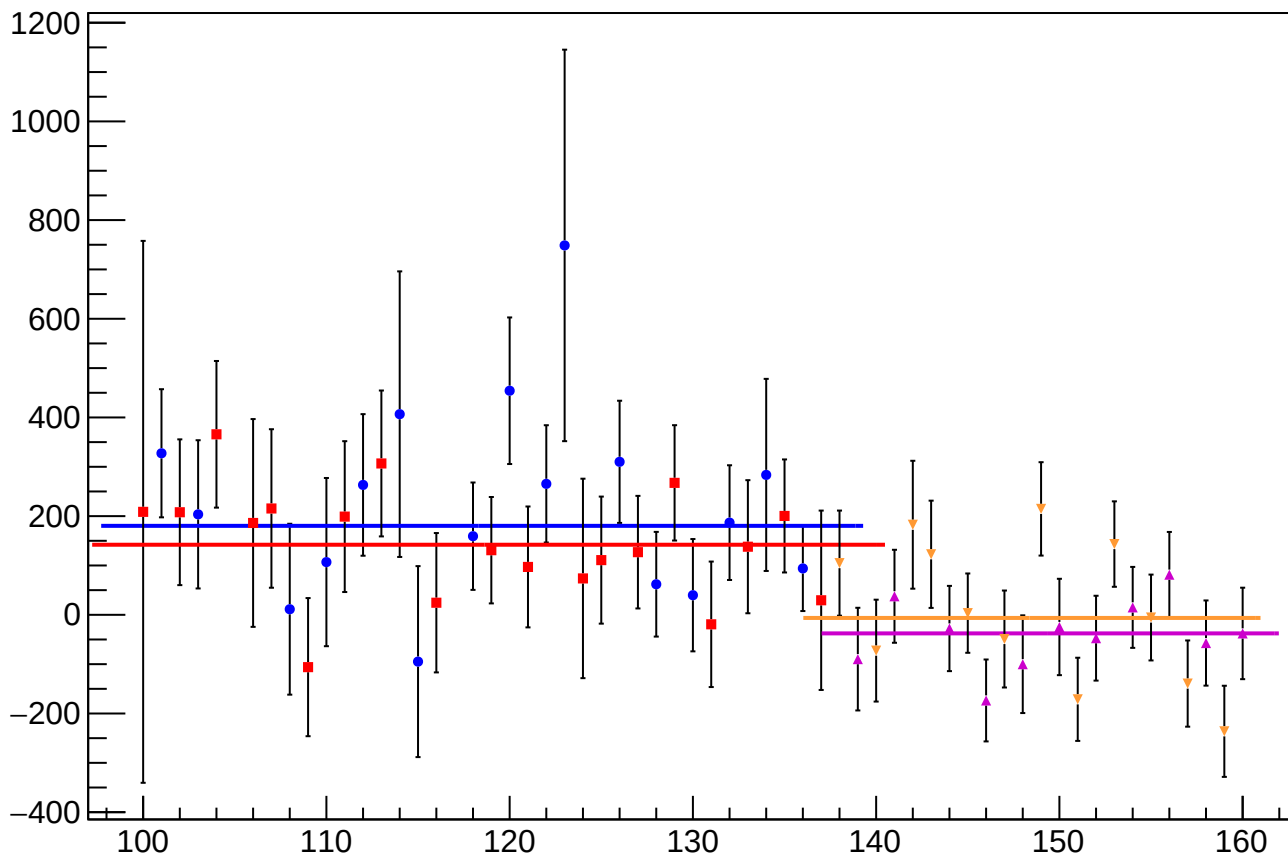
Left In: 343.890 $\pm$ 0.083 χ^2 /NDF: 545186.8/10

382.601 $\pm$ 0.071 χ^2 /NDF: 2236568.0/28

381.160 $\pm$ 0.050 χ^2 /NDF: 4363070.7/58

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: -6.322 $\pm$ 27.209 χ^2 /NDF: 26.0/11

Right Out: 142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

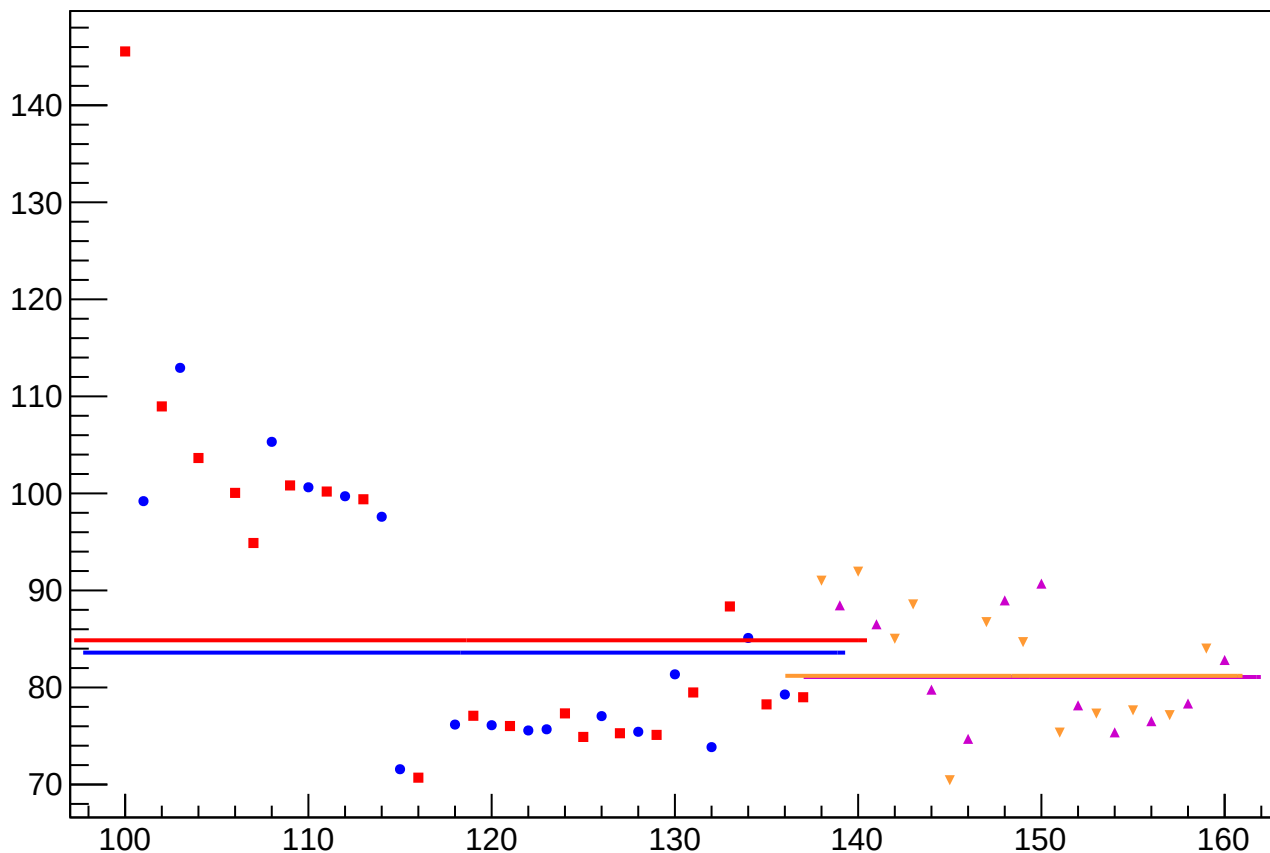
Left In: -37.632 $\pm$ 27.127 χ^2 /NDF: 6.4/10

69.847 $\pm$ 20.933 χ^2 /NDF: 61.8/28

53.094 $\pm$ 14.749 χ^2 /NDF: 99.2/58

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: 81.201+/-0.019 χ^2/NDF : 117549.2/11

Right Out: 84.861+/-0.023 χ^2/NDF : 290606.5/18

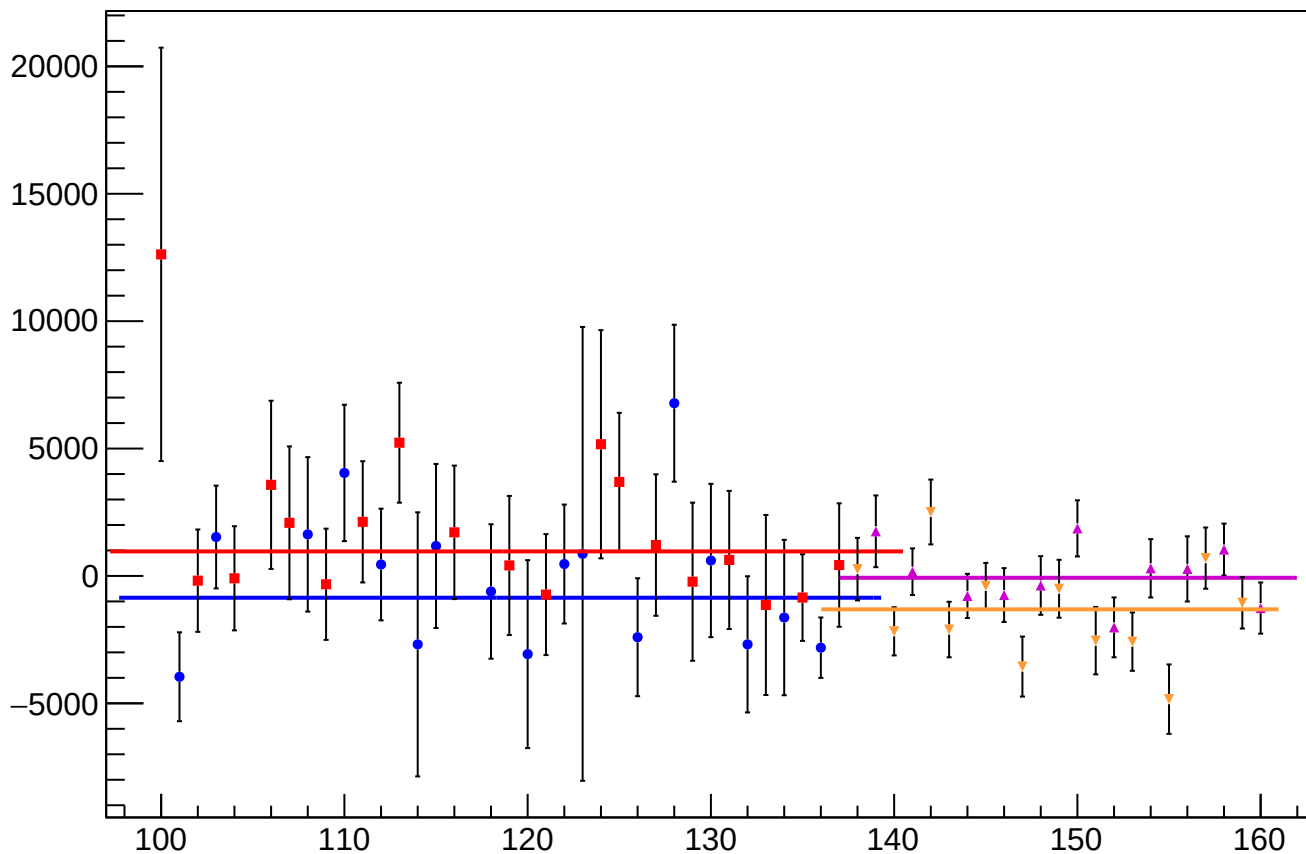
Left In: 81.078+/-0.019 χ^2/NDF : 81338.2/10

82.176+/-0.015 χ^2/NDF : 379765.5/28

82.410+/-0.010 χ^2/NDF : 768269.2/58

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: -1312.017 ± 324.255 χ^2/NDF : 28.9/11

Right Out: 962.932 ± 589.071 χ^2/NDF : 11.5/18

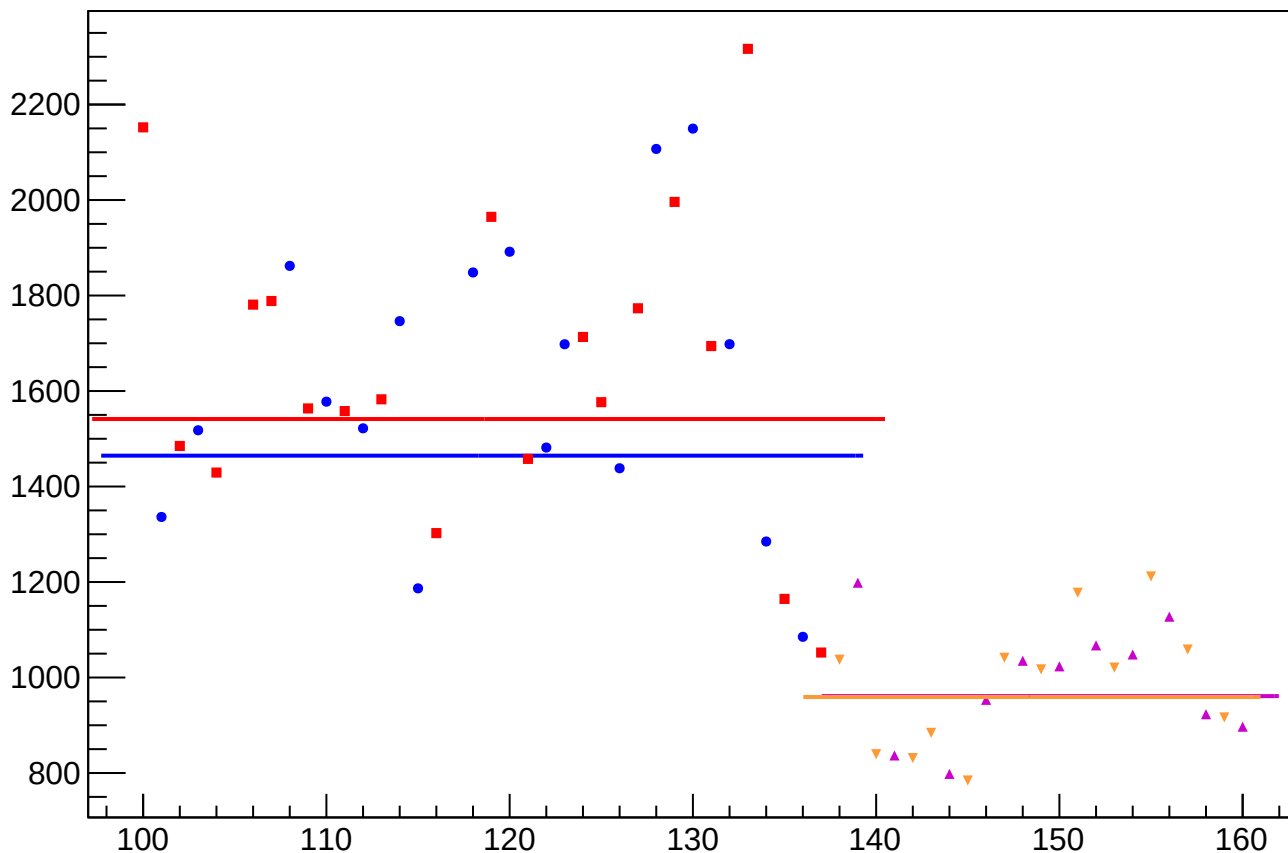
Left In: -72.240 ± 323.456 χ^2/NDF : 11.5/10

-1204.198 ± 283.408 χ^2/NDF : 49.6/28

-518.601 ± 200.441 χ^2/NDF : 86.7/58

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+/-0.412 χ^2/NDF : 560863.4/16

Left Out: 959.191+/-0.229 χ^2/NDF : 305929.5/11

Right Out: 1541.388+/-0.417 χ^2/NDF : 453710.5/18

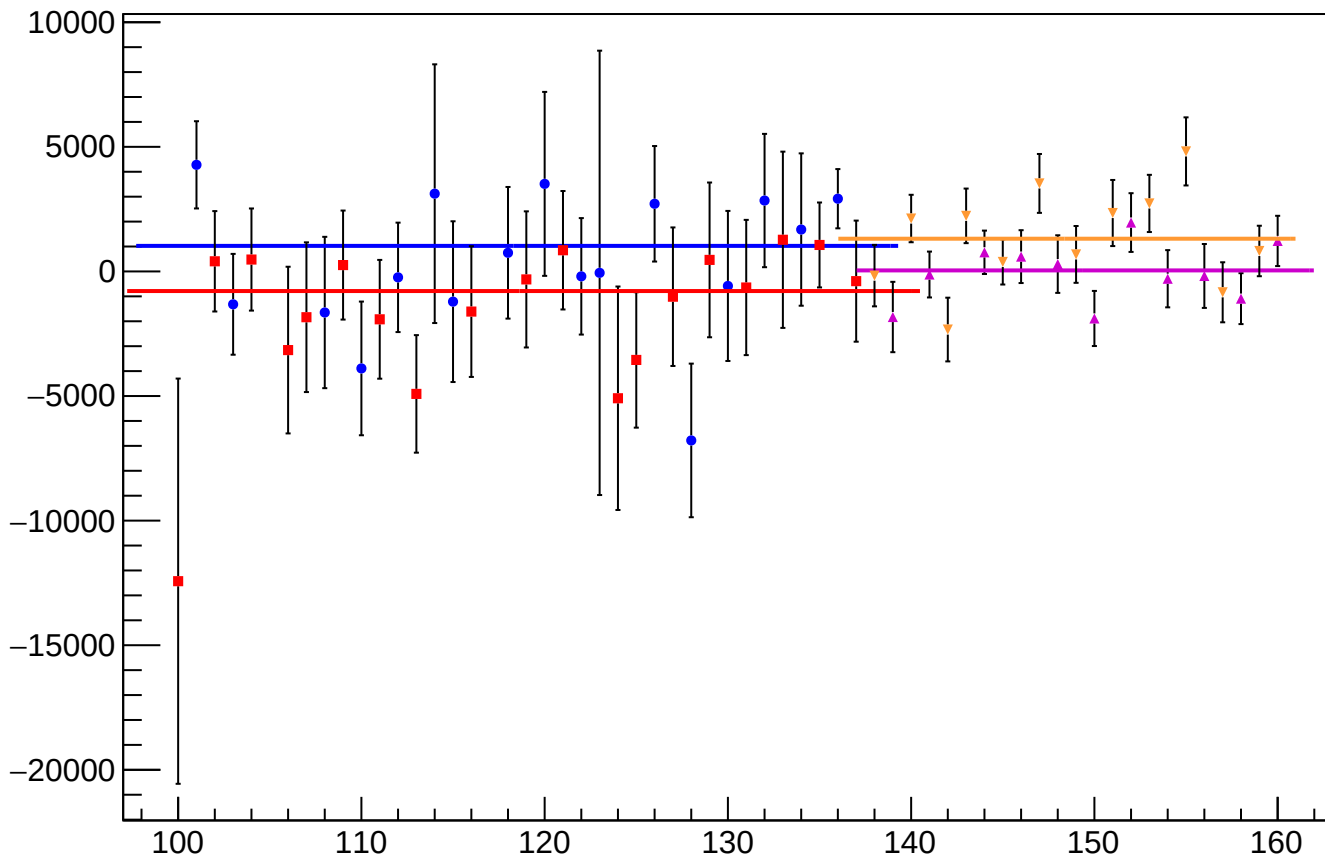
Left In: 961.069+/-0.229 χ^2/NDF : 251905.4/10

1078.515+/-0.200 χ^2/NDF : 2014040.0/28

1087.007+/-0.142 χ^2/NDF : 4214607.1/58

1095.505+/-0.200 χ^2/NDF : 2196974.7/29

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527 $\pm$ 584.500 χ^2/NDF : 20.9/16

Left Out: 1313.280 $\pm$ 325.556 χ^2/NDF : 28.0/11

Right Out: -787.007 $\pm$ 590.388 χ^2/NDF : 11.2/18

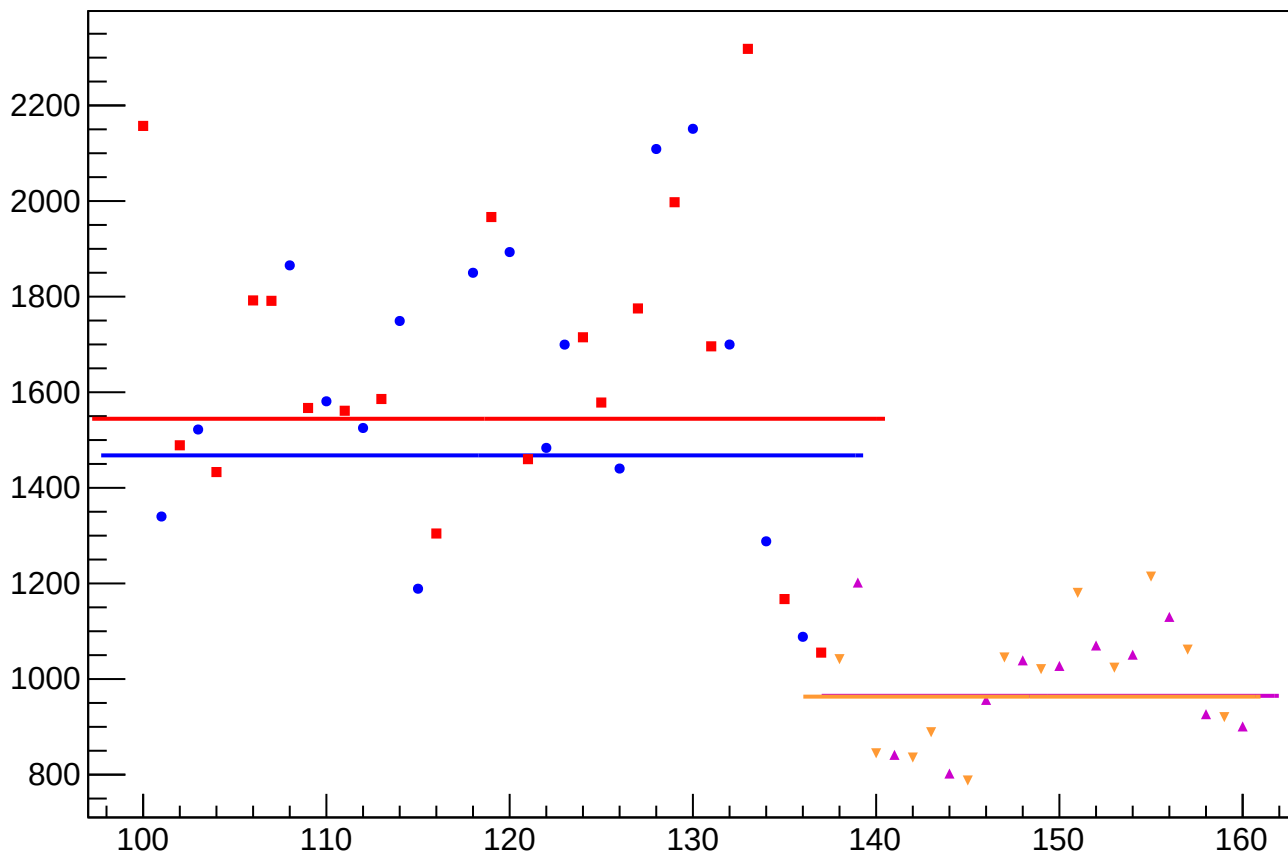
Left In: 41.101 $\pm$ 324.707 χ^2/NDF : 11.2/10

1245.147 $\pm$ 284.415 χ^2/NDF : 49.1/28

547.209 $\pm$ 201.147 χ^2/NDF : 85.1/58

-151.218 $\pm$ 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: 963.222 $\pm$ 0.230 χ^2/NDF : 301337.1/11

Right Out: 1544.513 $\pm$ 0.417 χ^2/NDF : 451805.9/18

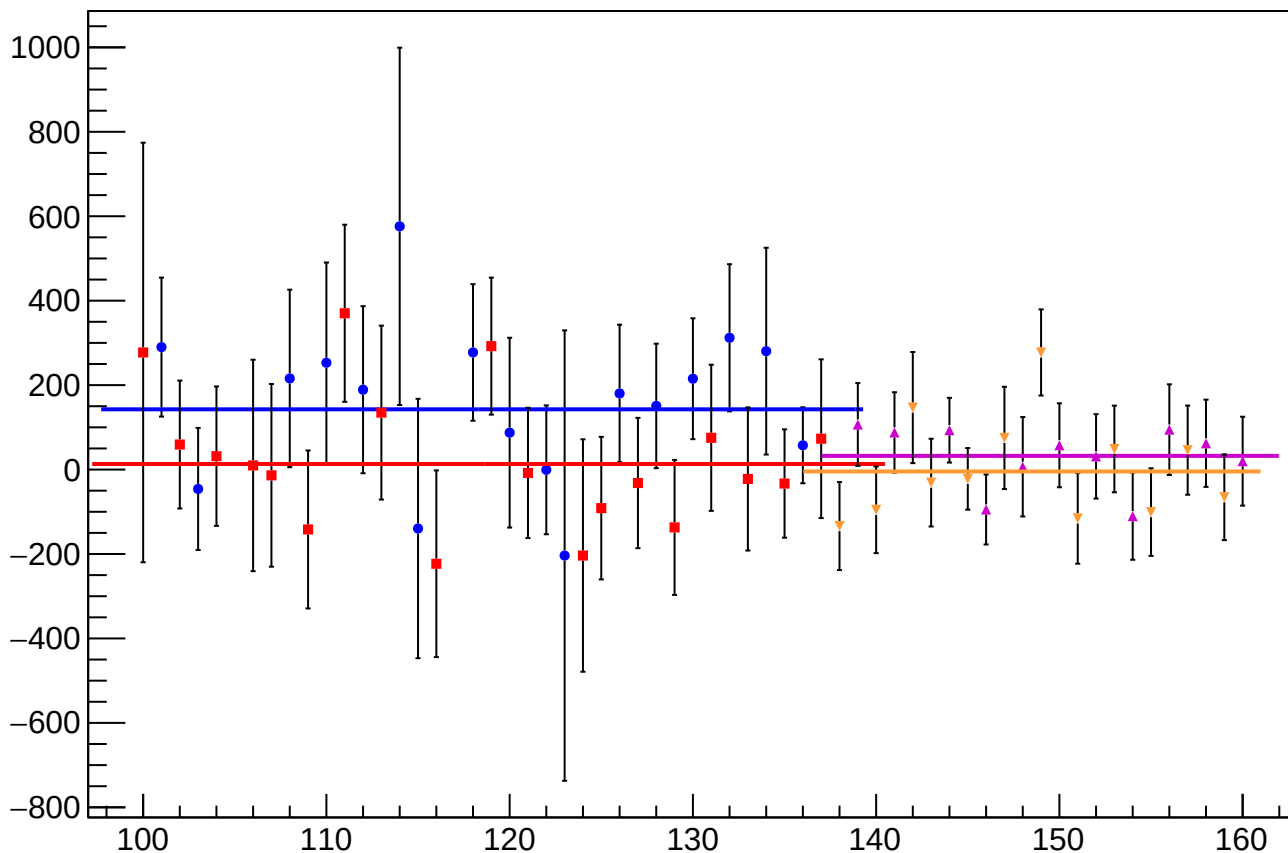
Left In: 964.918 $\pm$ 0.230 χ^2/NDF : 248137.4/10

1082.719 $\pm$ 0.201 χ^2/NDF : 1996820.4/28

1091.117 $\pm$ 0.142 χ^2/NDF : 4180150.9/58

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: -4.454 $\pm$ 29.478 χ^2 /NDF:14.6/11

Right Out: 13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

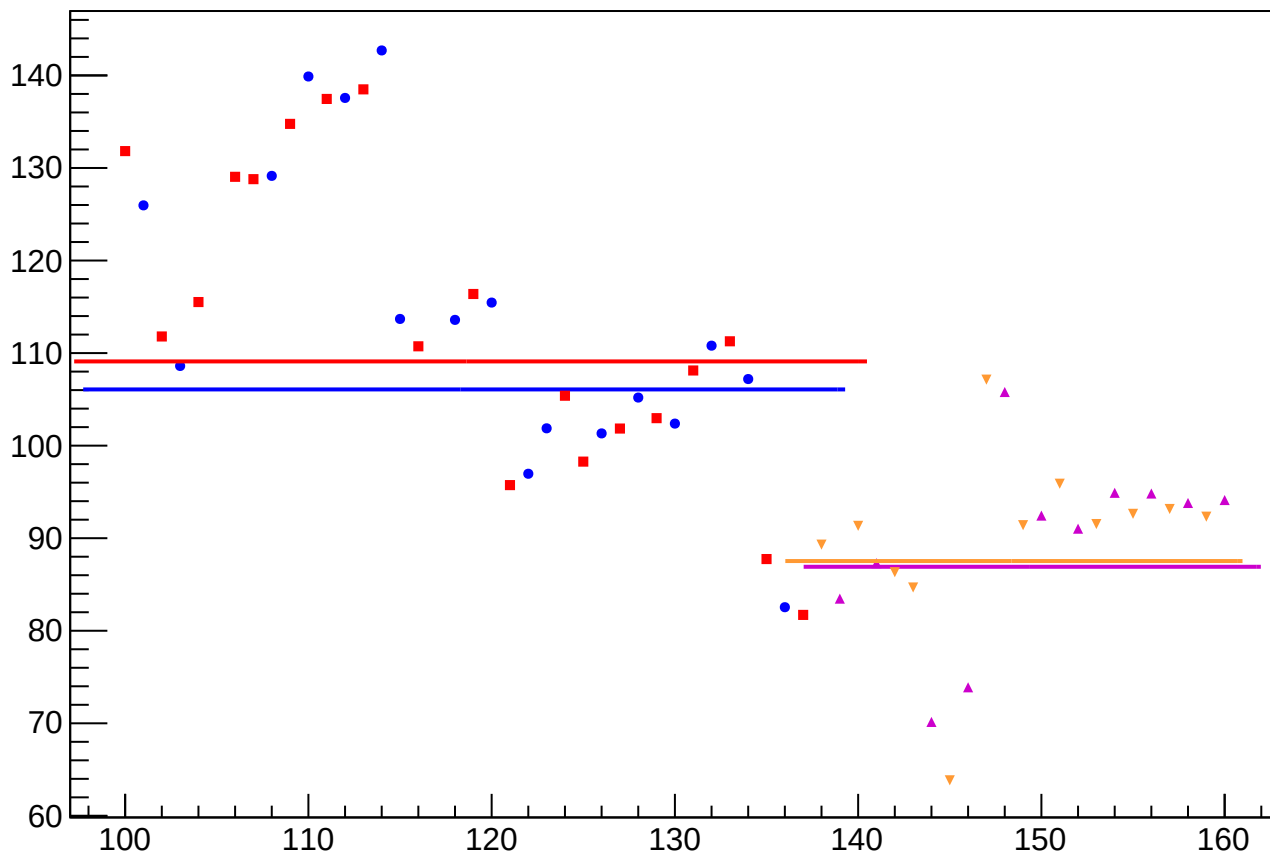
Left In: 32.422 $\pm$ 29.260 χ^2 /NDF:6.3/10

44.692 $\pm$ 24.057 χ^2 /NDF: 32.3/28

35.287 $\pm$ 16.953 χ^2 /NDF: 49.9/58

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: 87.532 $\pm$ 0.021 χ^2/NDF : 301184.4/11

Right Out: 109.100 $\pm$ 0.029 χ^2/NDF : 285394.8/18

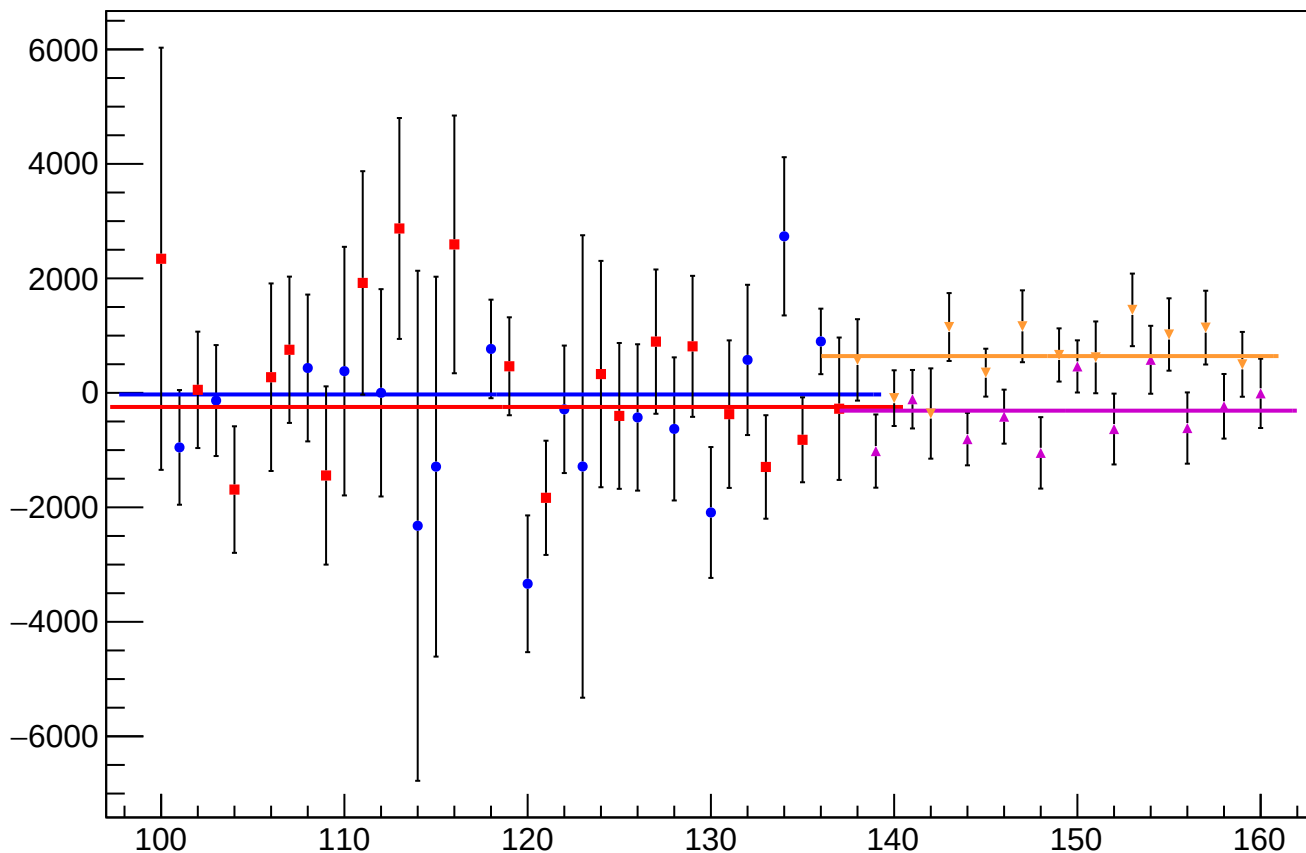
Left In: 86.913 $\pm$ 0.021 χ^2/NDF : 249732.4/10

93.725 $\pm$ 0.017 χ^2/NDF : 883393.6/28

94.017 $\pm$ 0.012 χ^2/NDF : 1802245.4/58

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 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 642.402 ± 165.333 χ^2/NDF : 8.4/11

Right Out: -246.386 ± 279.451 χ^2/NDF : 15.9/18

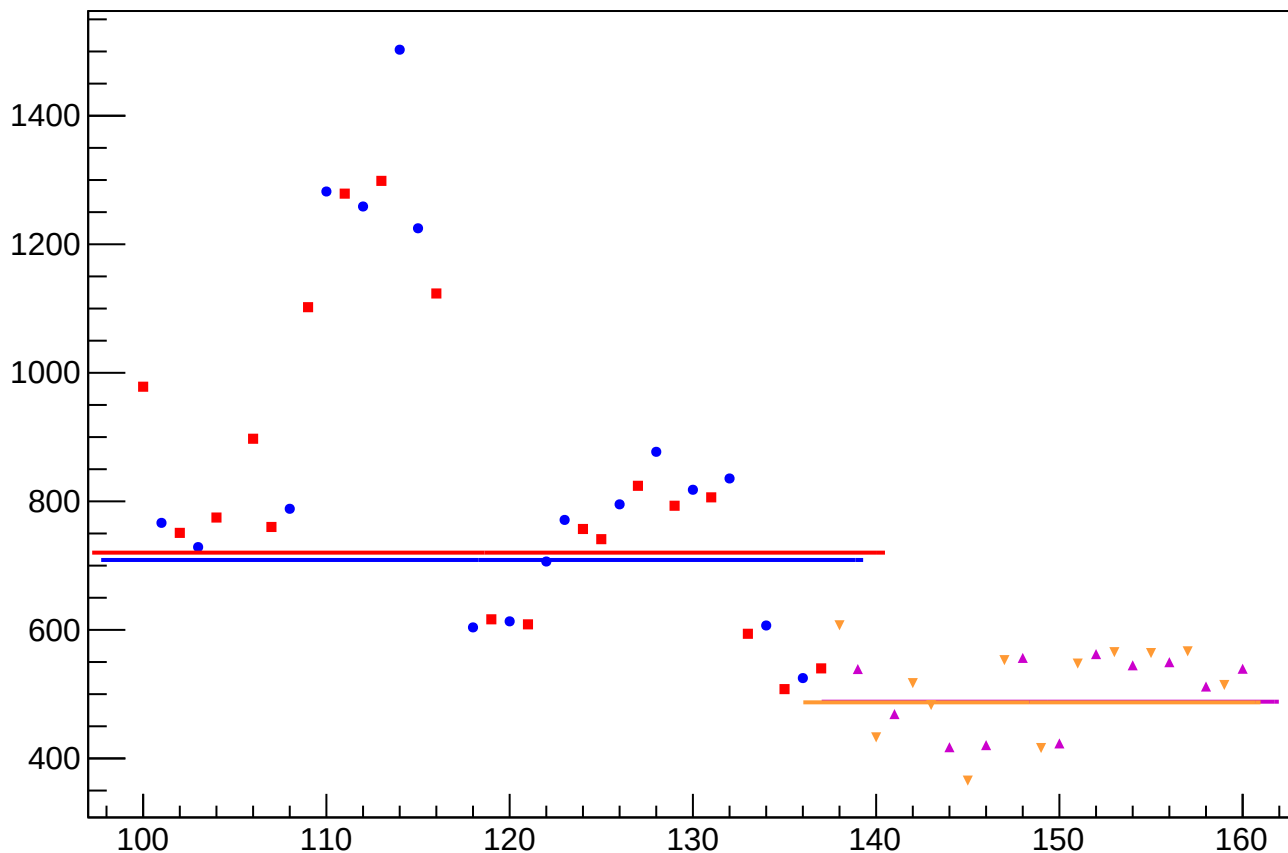
Left In: -311.048 ± 164.830 χ^2/NDF : 9.9/10

472.484 ± 142.851 χ^2/NDF : 33.1/28

86.699 ± 100.699 χ^2/NDF : 73.4/58

-294.358 ± 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: 487.253 $\pm$ 0.117 χ^2 /NDF: 436018.2/11

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

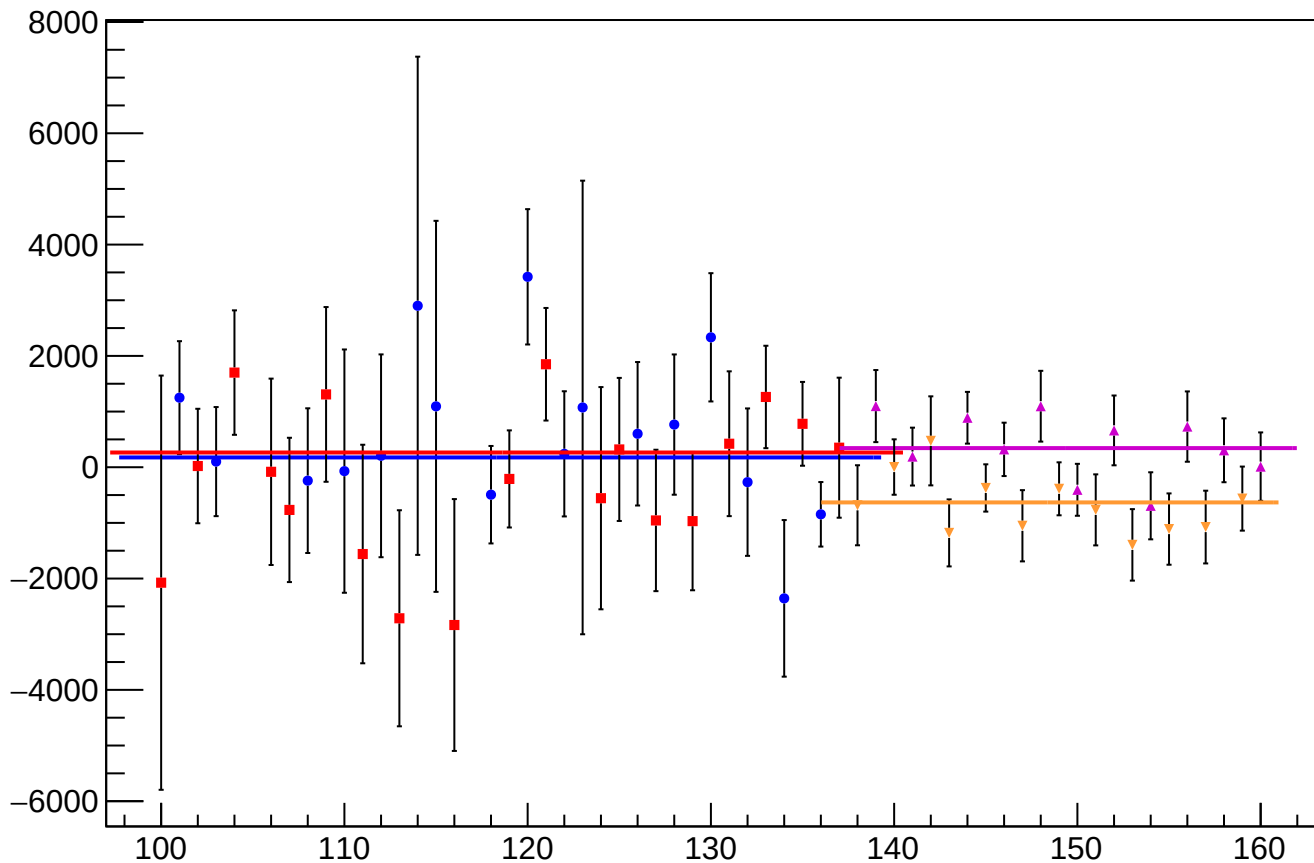
Left In: 488.257 $\pm$ 0.117 χ^2 /NDF: 252863.6/10

543.404 $\pm$ 0.101 χ^2 /NDF: 2139688.9/28

545.778 $\pm$ 0.071 χ^2 /NDF: 4315764.1/58

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 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -632.170 $\pm$ 168.149 χ^2 /NDF: 7.9/11

Right Out: 264.622 $\pm$ 283.074 χ^2 /NDF: 14.8/18

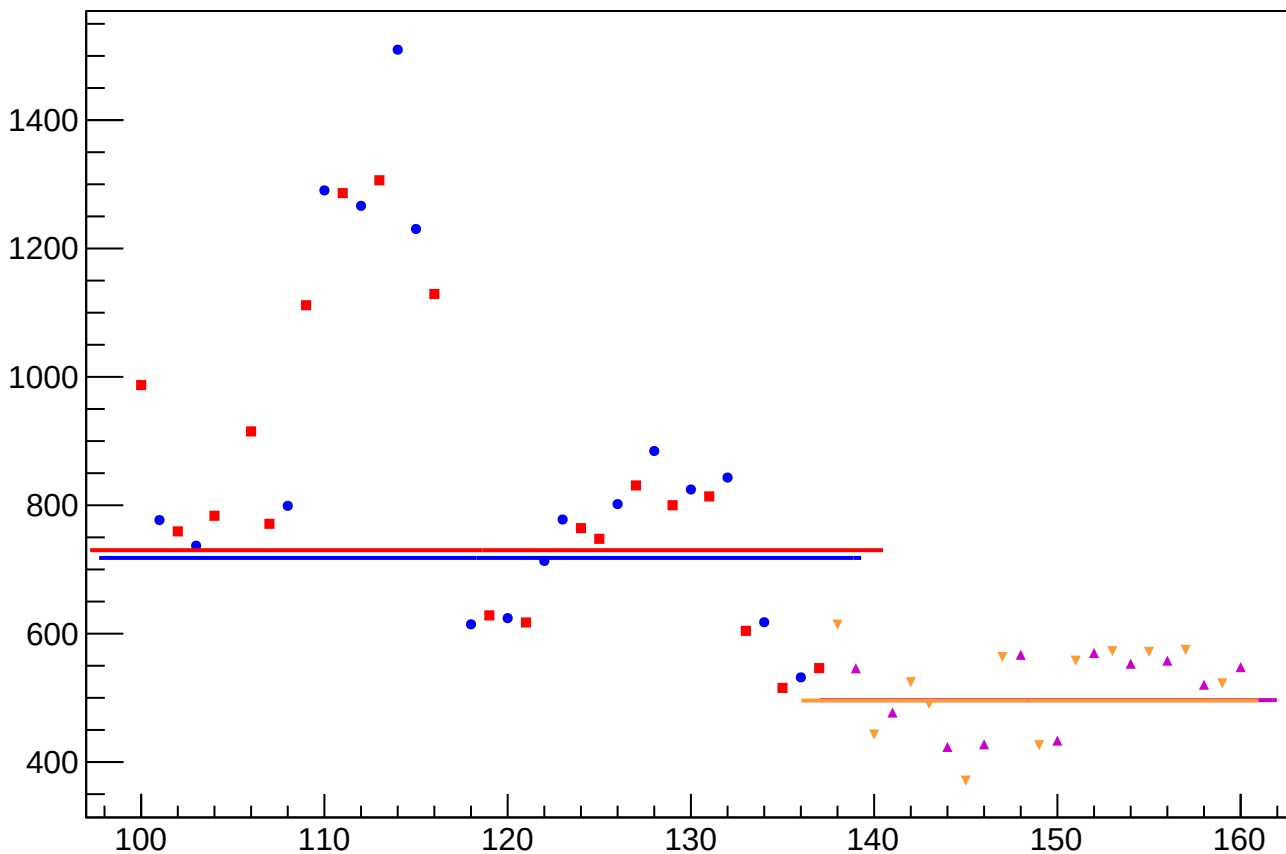
Left In: 343.630 $\pm$ 167.561 χ^2 /NDF: 10.7/10

-425.918 $\pm$ 145.110 χ^2 /NDF: 33.6/28

-49.019 $\pm$ 102.283 χ^2 /NDF: 72.5/58

323.130 $\pm$ 144.193 χ^2 /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: 495.812 $\pm$ 0.119 χ^2/NDF : 426120.4/11

Right Out: 730.040 $\pm$ 0.200 χ^2/NDF : 881842.0/18

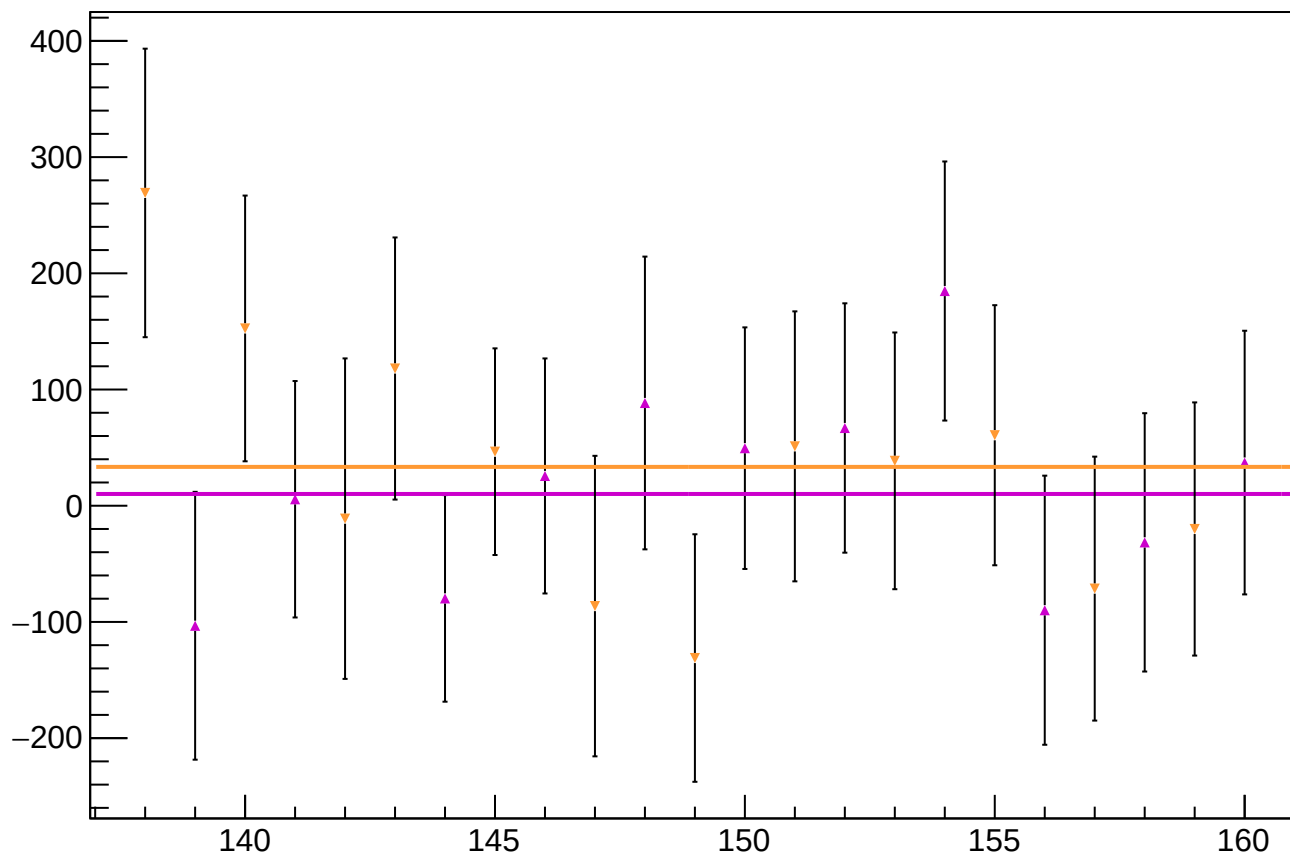
Left In: 496.503 $\pm$ 0.118 χ^2/NDF : 247802.3/10

552.520 $\pm$ 0.103 χ^2/NDF : 2095847.4/28

554.824 $\pm$ 0.072 χ^2/NDF : 4234551.6/58

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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 33.428 $\pm$ 32.534 χ^2 /NDF:9.8/11

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

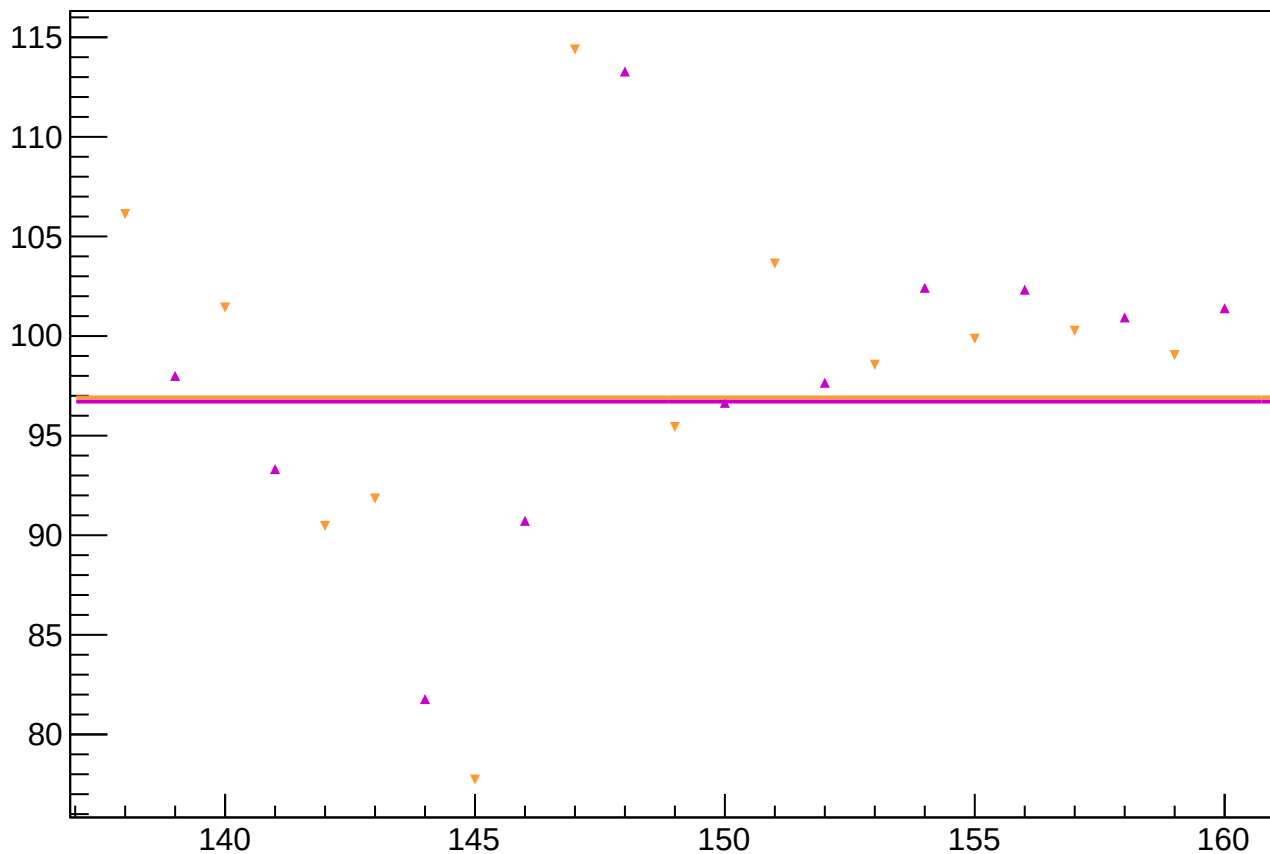
Left In: 10.120 $\pm$ 32.403 χ^2 /NDF:6.2/10

33.428 $\pm$ 32.534 χ^2 /NDF: 9.8/11

21.727 $\pm$ 22.959 χ^2 /NDF: 16.3/22

10.120 $\pm$ 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: 96.916+/-0.023 χ^2/NDF :163540.3/11

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

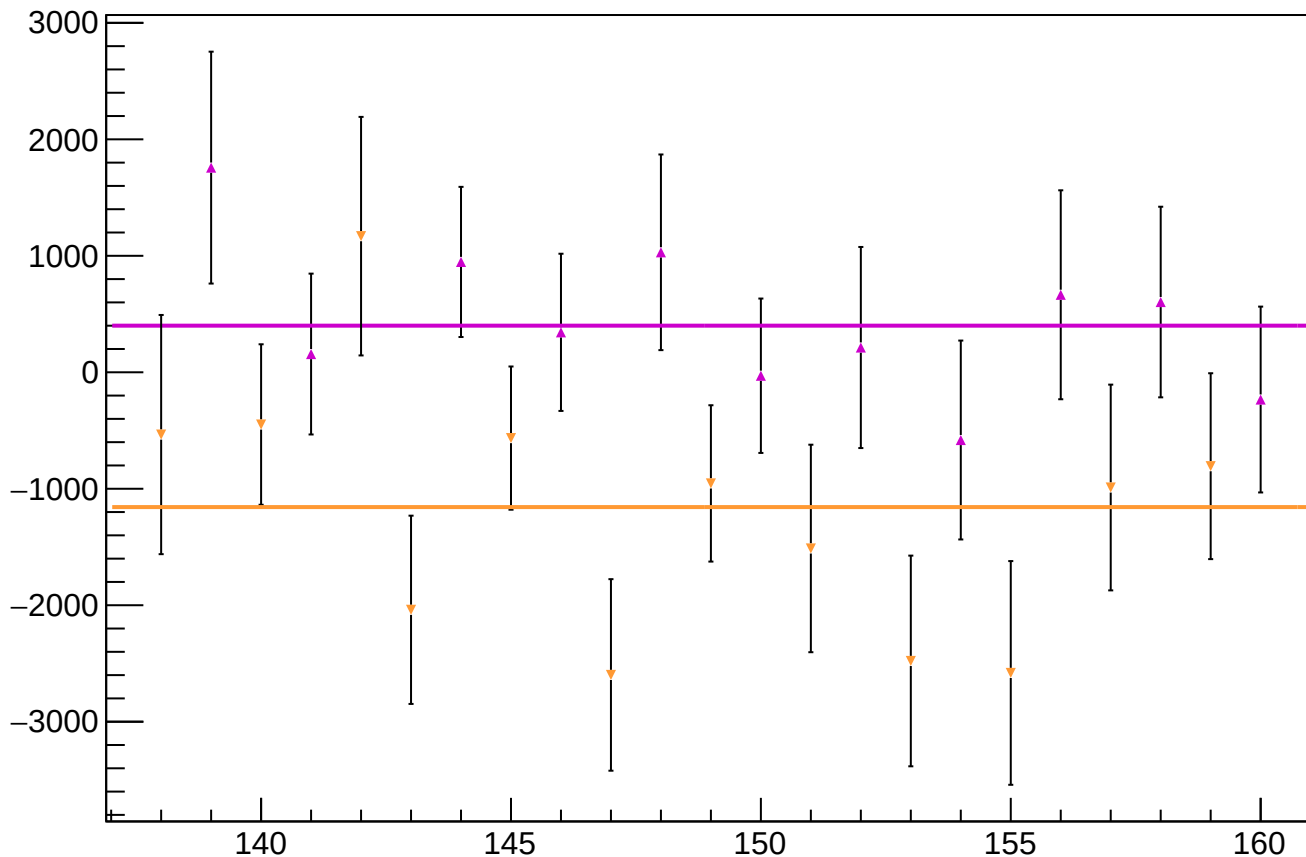
Left In: 96.711+/-0.023 χ^2/NDF :116962.7/10

96.916+/-0.023 χ^2/NDF : 163540.3/11

96.813+/-0.016 χ^2/NDF : 280542.8/22

96.711+/-0.023 χ^2/NDF : 116962.7/10

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1157.357 $\pm$ 233.728 χ^2 /NDF:16.6/11

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

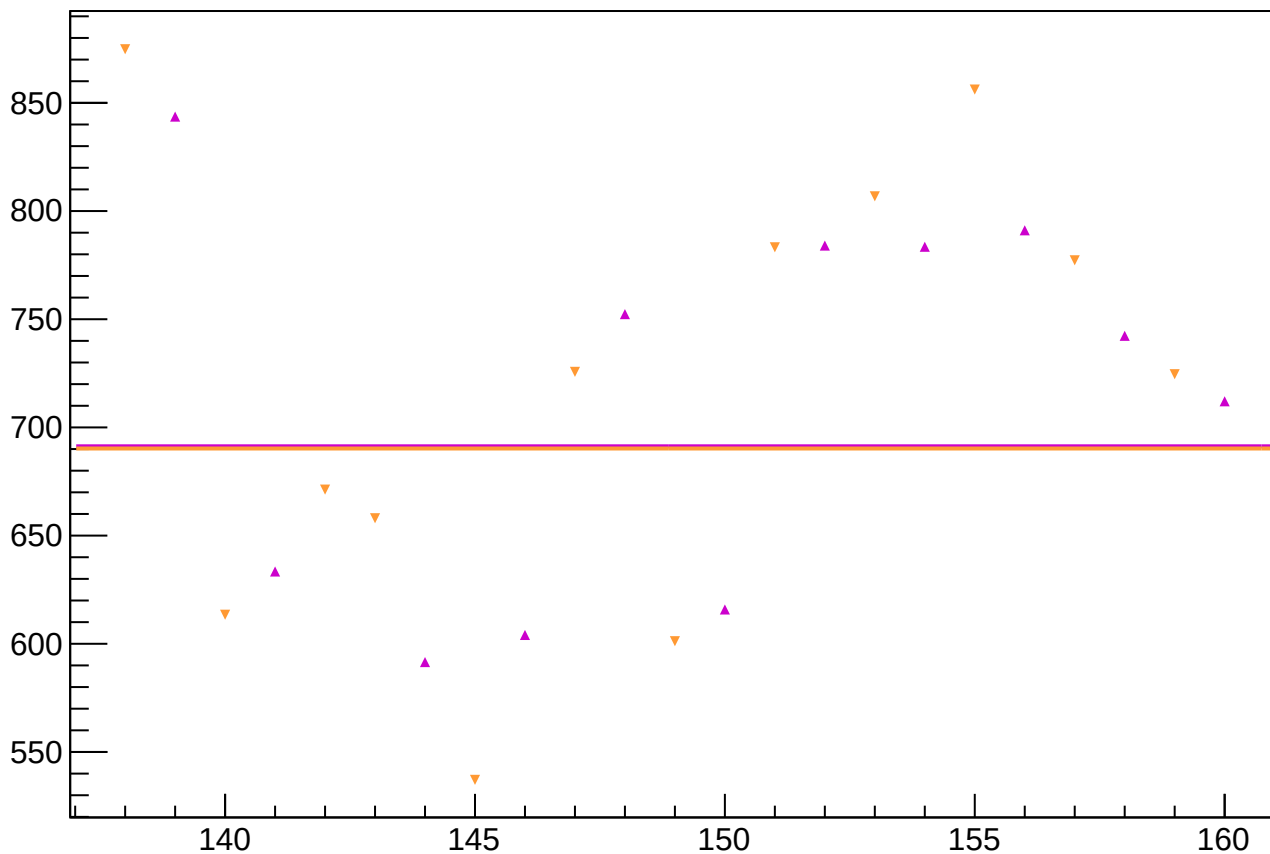
Left In: 400.278 $\pm$ 232.965 χ^2 /NDF:5.8/10

-1157.357 $\pm$ 233.728 χ^2 /NDF: 16.6/11

-375.992 $\pm$ 165.000 χ^2 /NDF: 44.7/22

400.278 $\pm$ 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: 690.252+/-0.165 χ^2/NDF : 394199.7/11

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

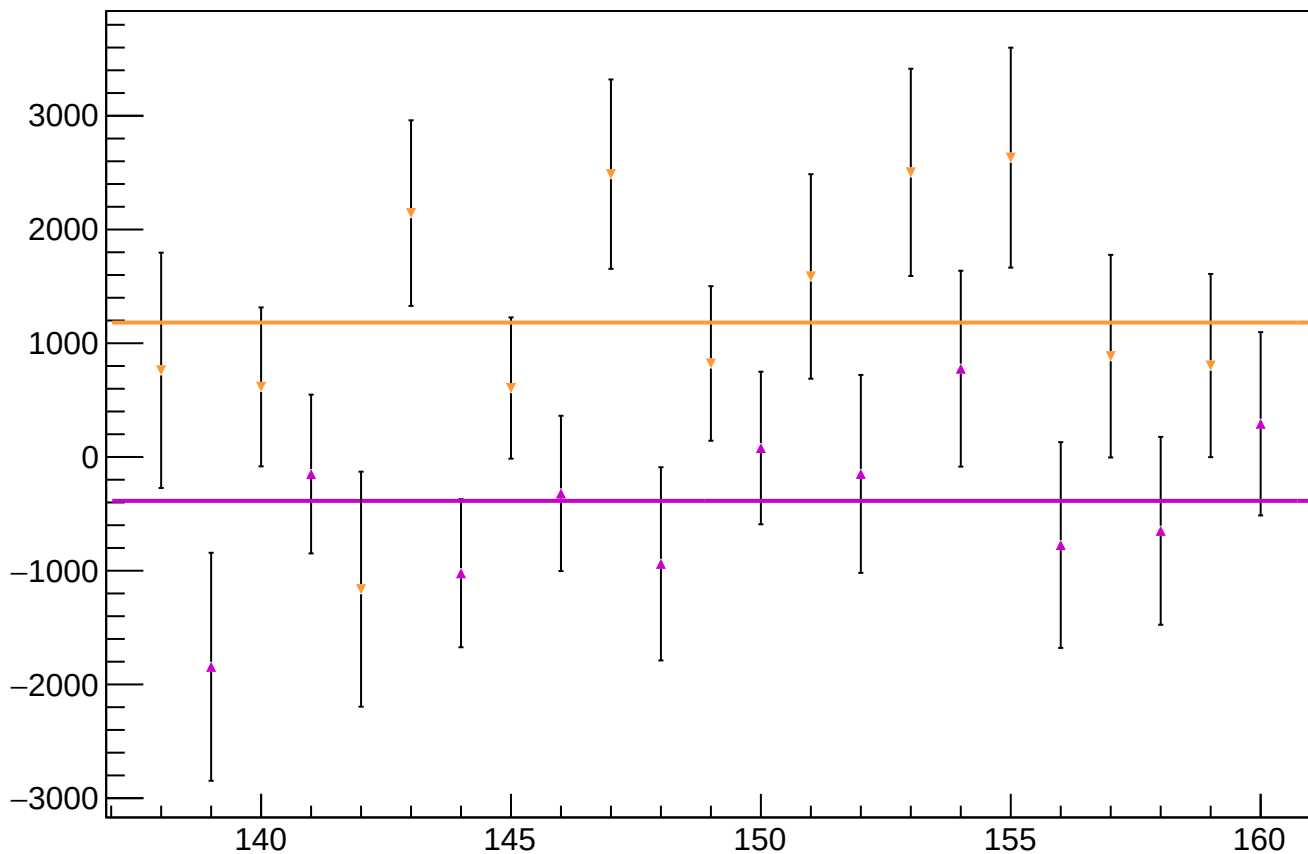
Left In: 691.268+/-0.165 χ^2/NDF : 259011.5/10

690.252+/-0.165 χ^2/NDF : 394199.7/11

690.762+/-0.117 χ^2/NDF : 653230.2/22

691.268+/-0.165 χ^2/NDF : 259011.5/10

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1181.729+/-236.134 χ^2/NDF : 15.8/11

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

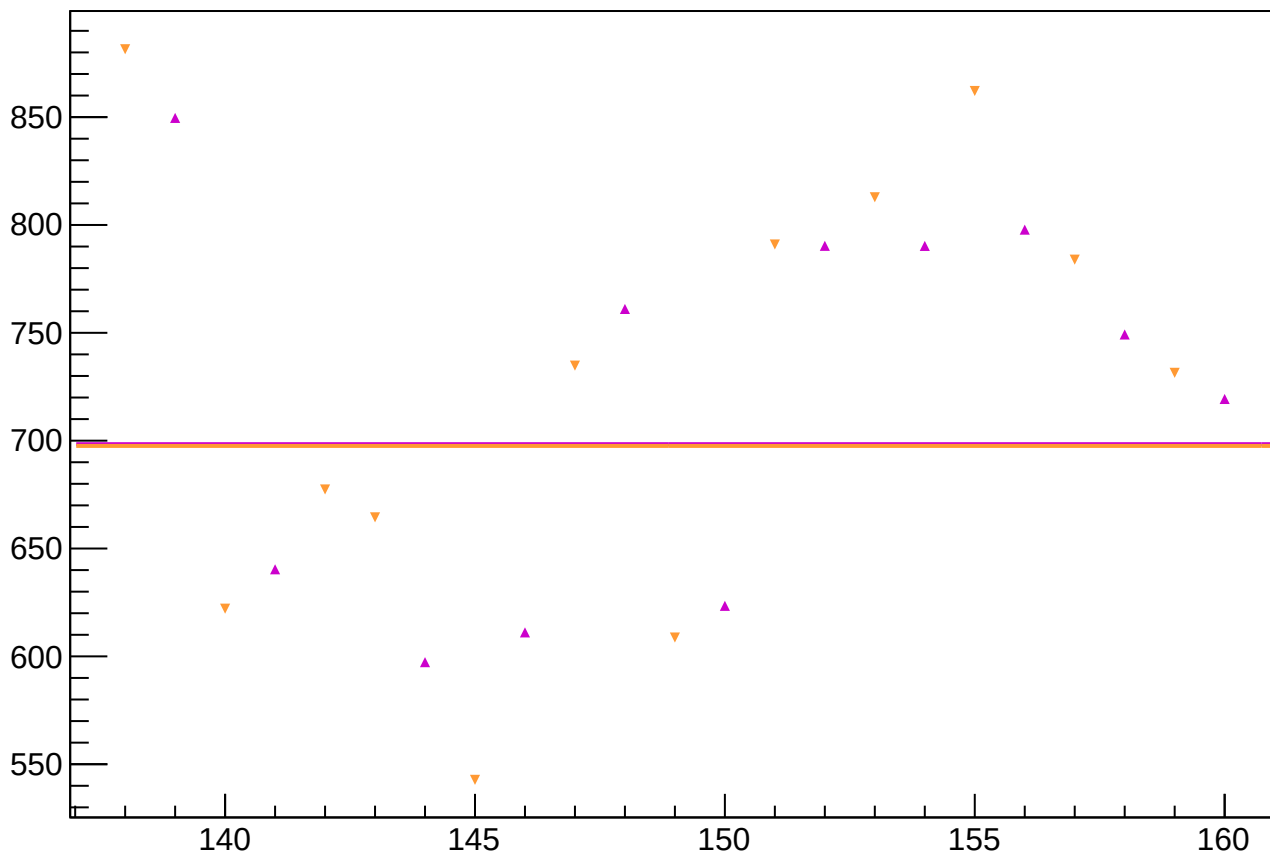
Left In: -385.956+/-235.309 χ^2/NDF : 7.0/10

1181.729+/-236.134 χ^2/NDF : 15.8/11

395.141+/-166.680 χ^2/NDF : 44.9/22

-385.956+/-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: 697.569+/-0.167 χ^2/NDF : 386832.0/11

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

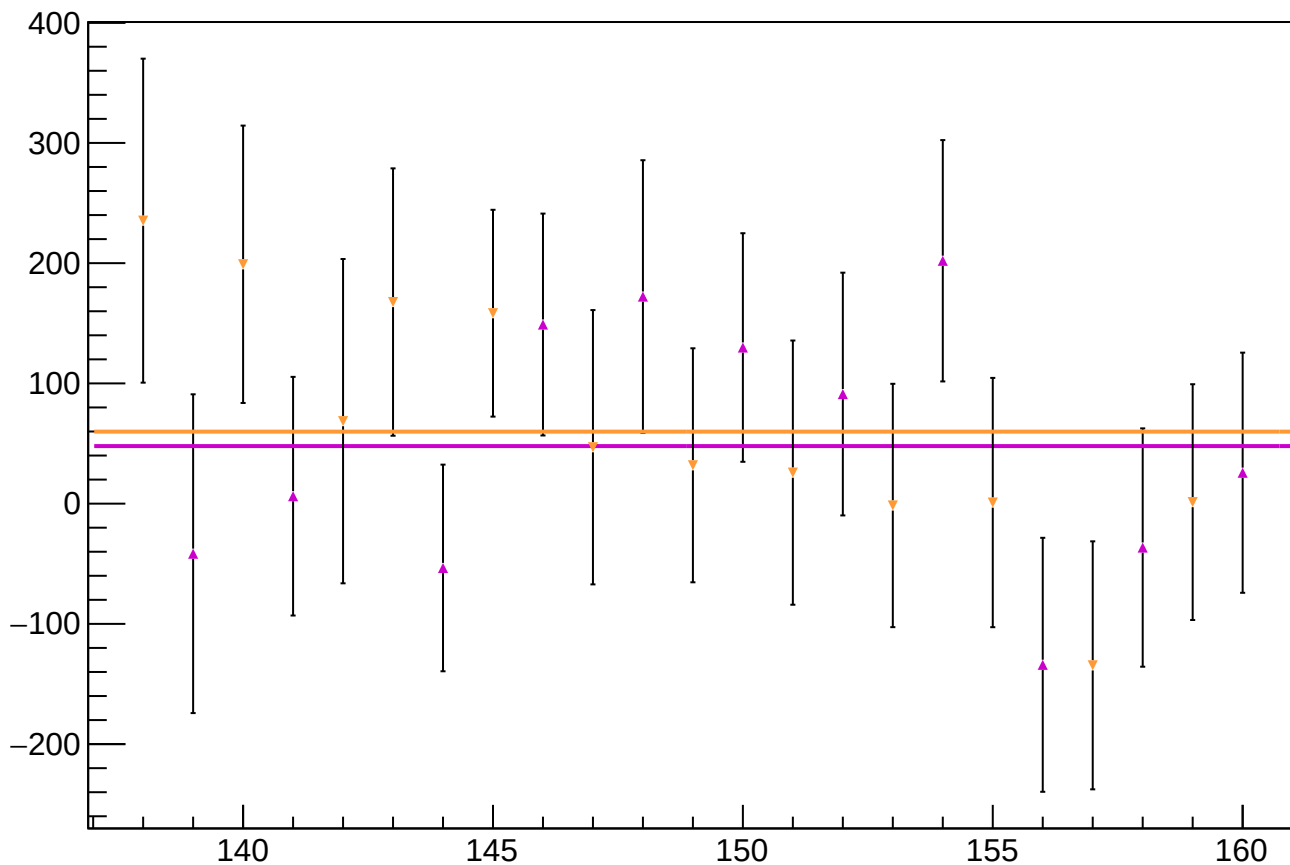
Left In: 698.368+/-0.166 χ^2/NDF : 254367.9/10

697.569+/-0.167 χ^2/NDF : 386832.0/11

697.970+/-0.118 χ^2/NDF : 641211.5/22

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: 59.891+/-30.781 χ^2/NDF : 10.2/11

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

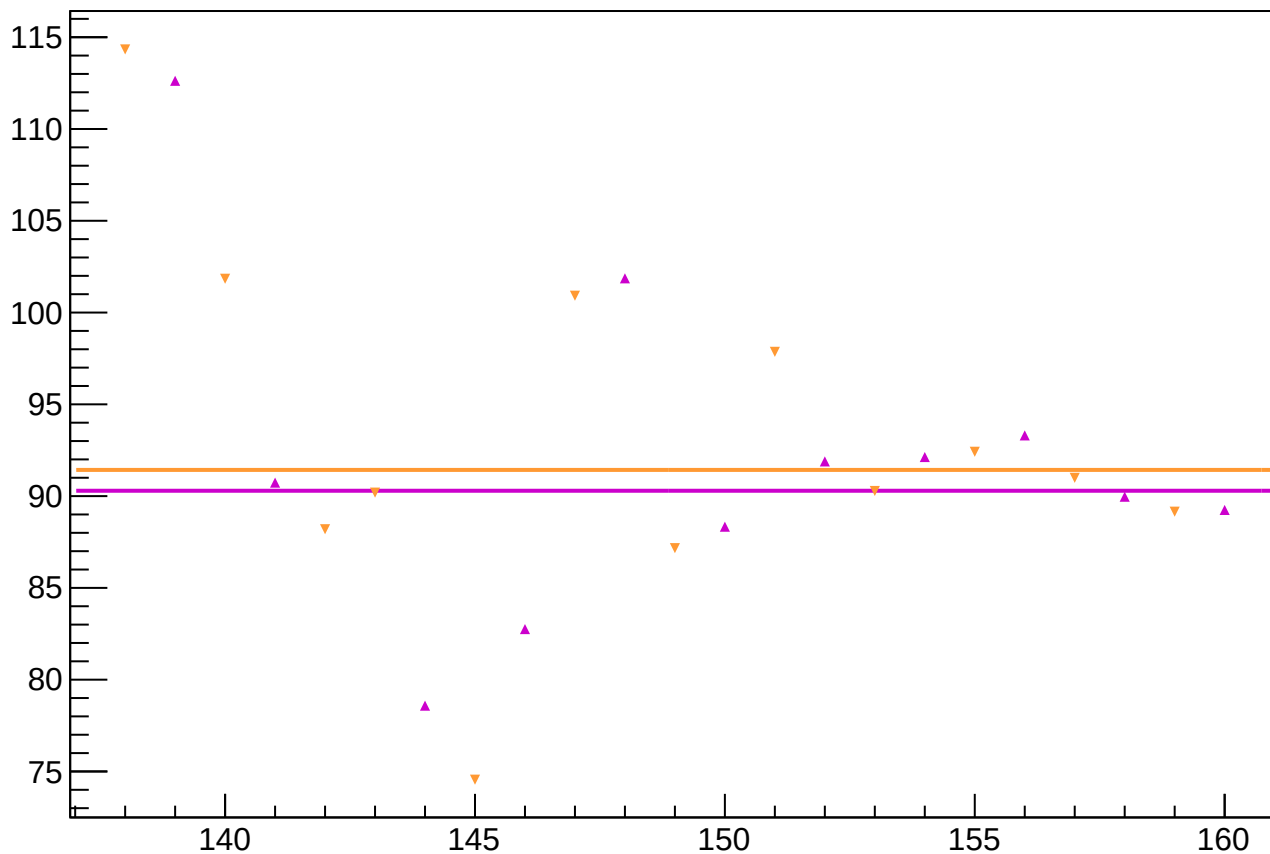
Left In: 47.865+/-30.304 χ^2/NDF : 11.5/10

59.891+/-30.781 χ^2/NDF : 10.2/11

53.784+/-21.595 χ^2/NDF : 21.7/22

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: 91.427+/-0.022 χ^2/NDF :178617.7/11

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

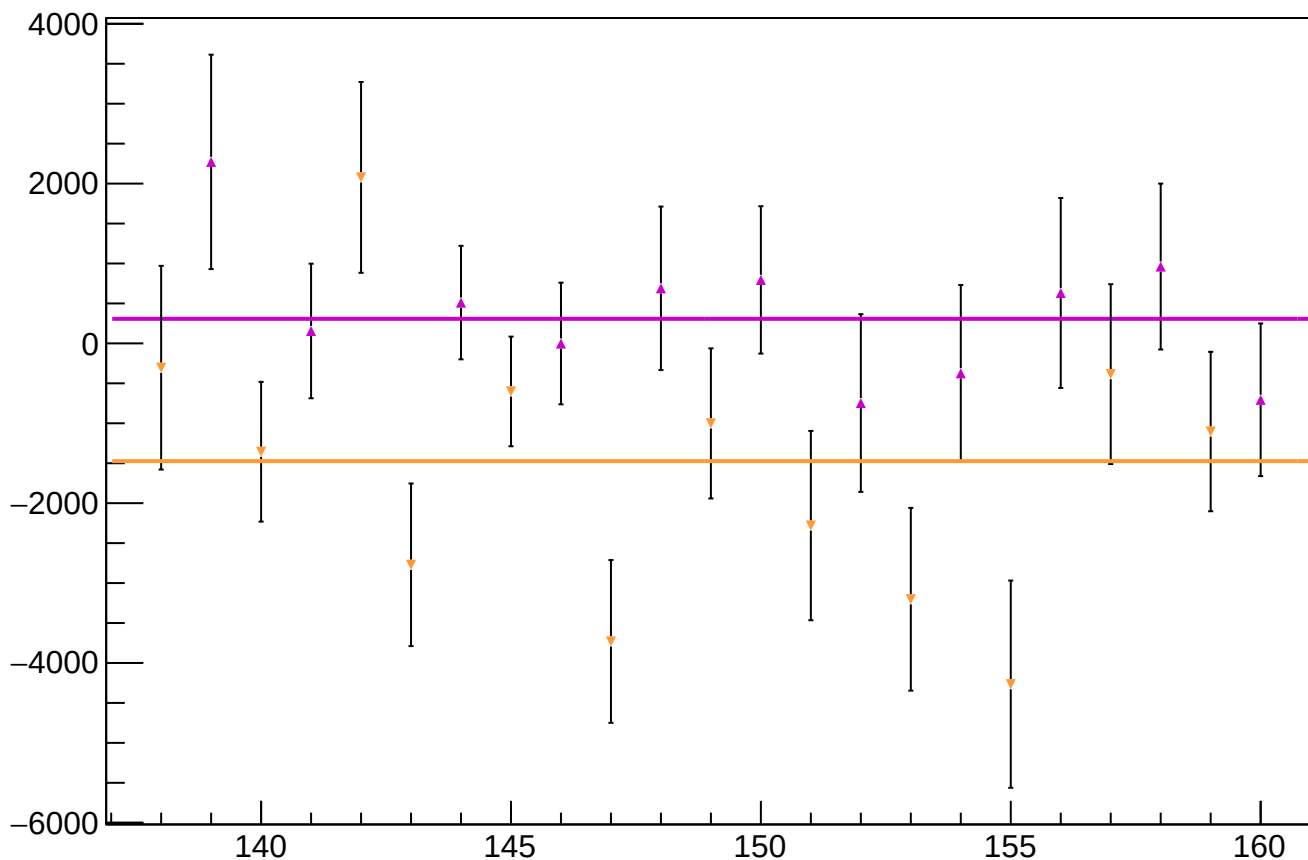
Left In: 90.292+/-0.021 χ^2/NDF :131996.8/10

91.427+/-0.022 χ^2/NDF : 178617.7/11

90.851+/-0.015 χ^2/NDF : 311995.7/22

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: -1473.790 $\pm$ 292.638 χ^2 /NDF:26.6/11

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

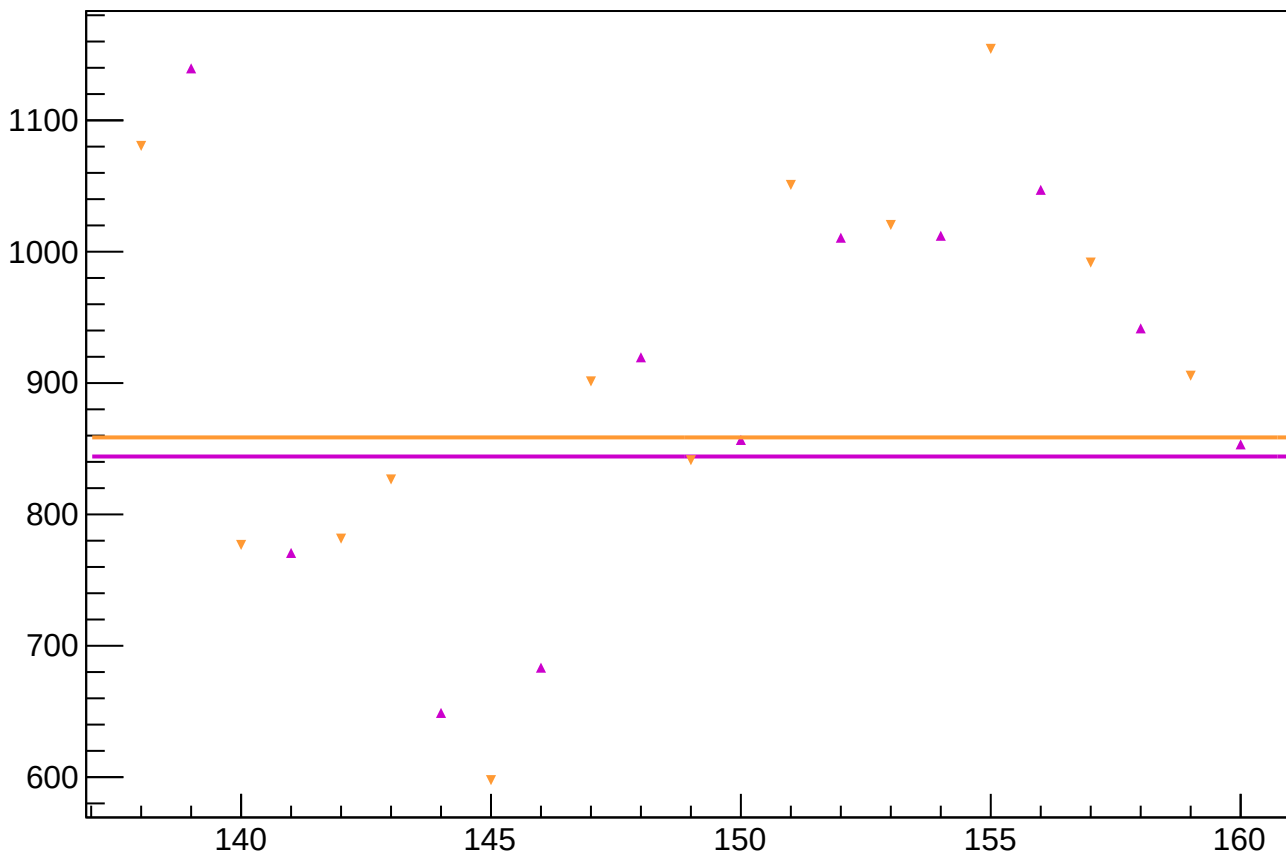
Left In: 307.346 $\pm$ 286.728 χ^2 /NDF:5.7/10

-1473.790 $\pm$ 292.638 χ^2 /NDF: 26.6/11

-565.054 $\pm$ 204.805 χ^2 /NDF: 51.2/22

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: 858.627+/-0.207 χ^2/NDF : 610978.8/11

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

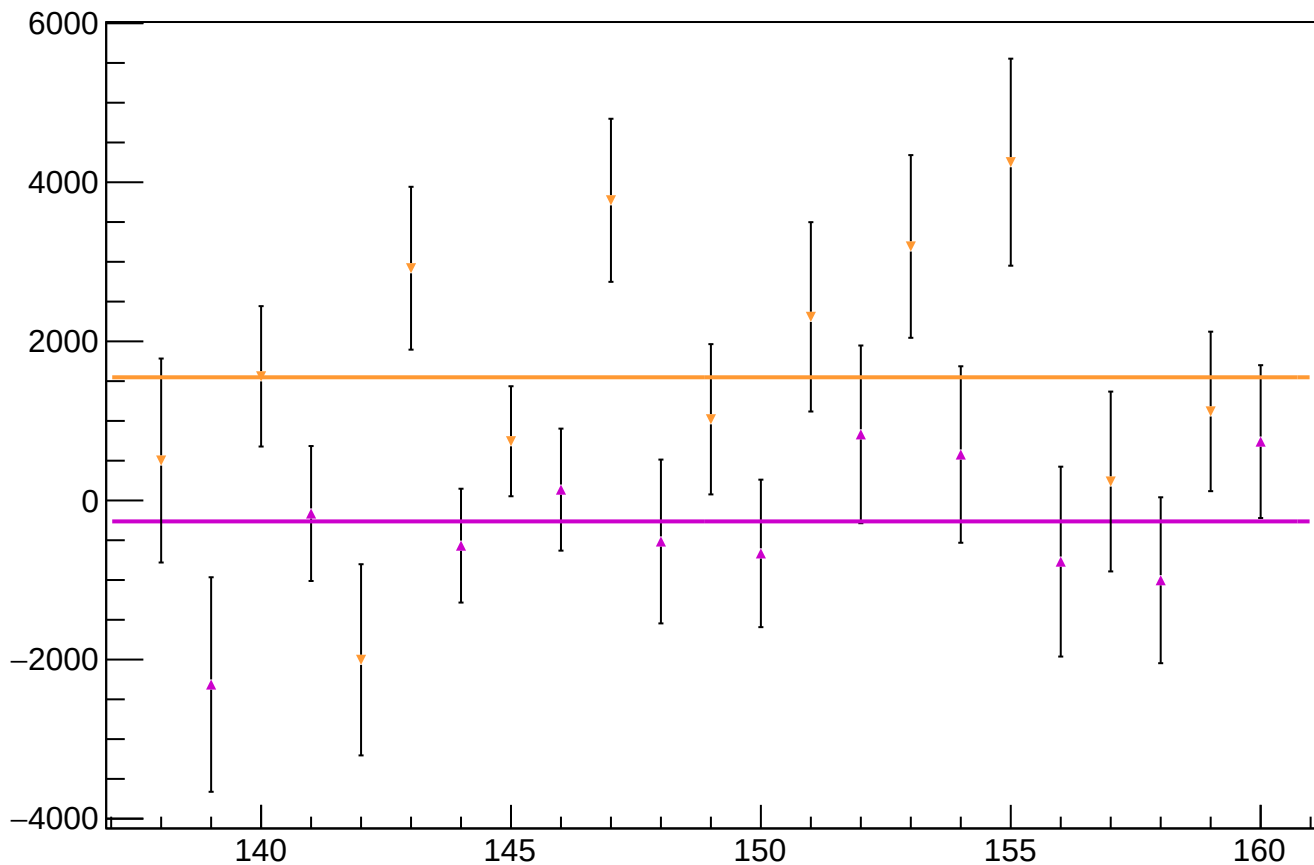
Left In: 844.092+/-0.203 χ^2/NDF : 531039.3/10

858.627+/-0.207 χ^2/NDF : 610978.8/11

851.211+/-0.145 χ^2/NDF : 1144535.7/22

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: 1548.438+/-294.422 χ^2/NDF : 25.9/11

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

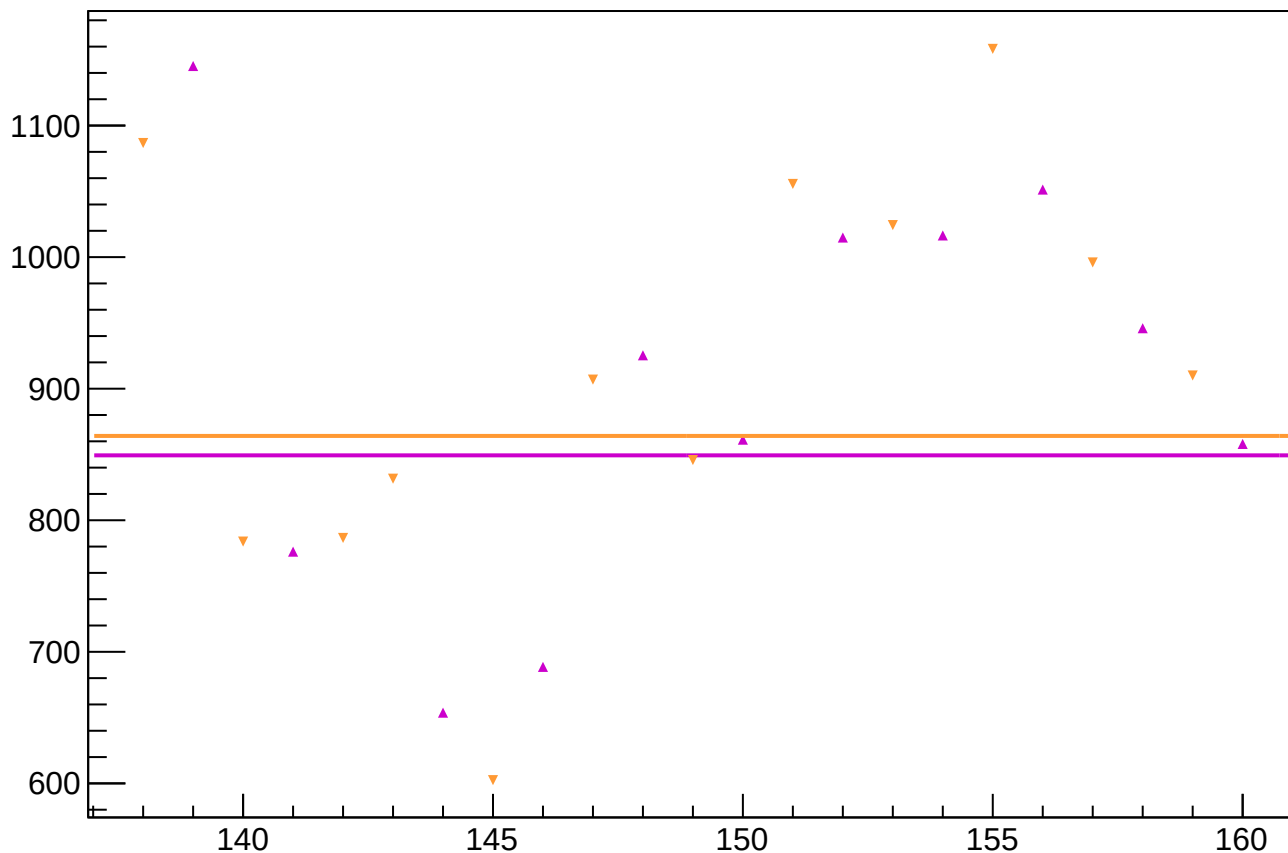
Left In: -263.235+/-288.440 χ^2/NDF : 6.3/10

1548.438+/-294.422 χ^2/NDF : 25.9/11

624.011+/-206.040 χ^2/NDF : 51.5/22

-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: 864.098+/-0.208 χ^2/NDF : 602162.0/11

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

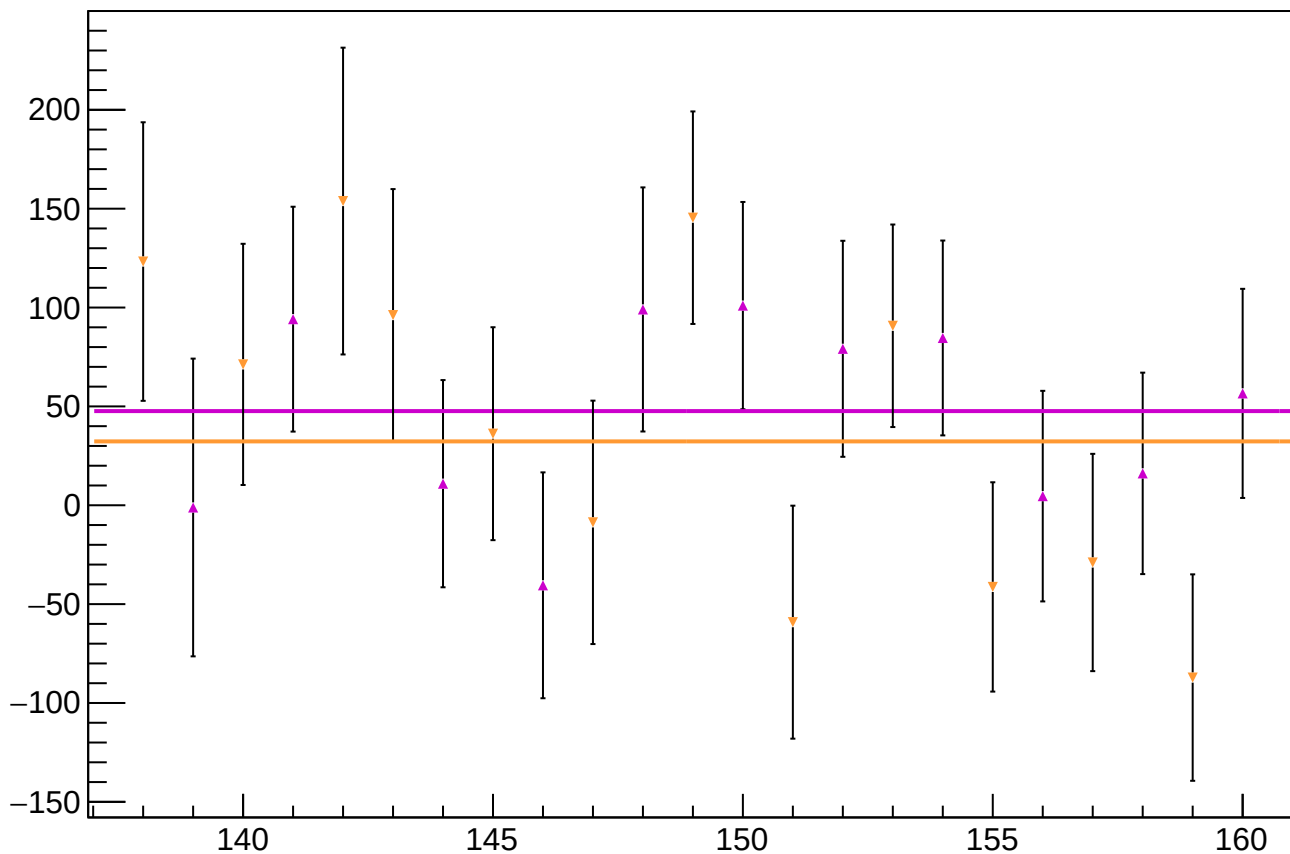
Left In: 849.334+/-0.204 χ^2/NDF : 523739.3/10

864.098+/-0.208 χ^2/NDF : 602162.0/11

856.565+/-0.146 χ^2/NDF : 1128467.4/22

849.334+/-0.204 χ^2/NDF : 523739.3/10

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 32.302 $\pm$ 16.756 χ^2 /NDF:22.5/11

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

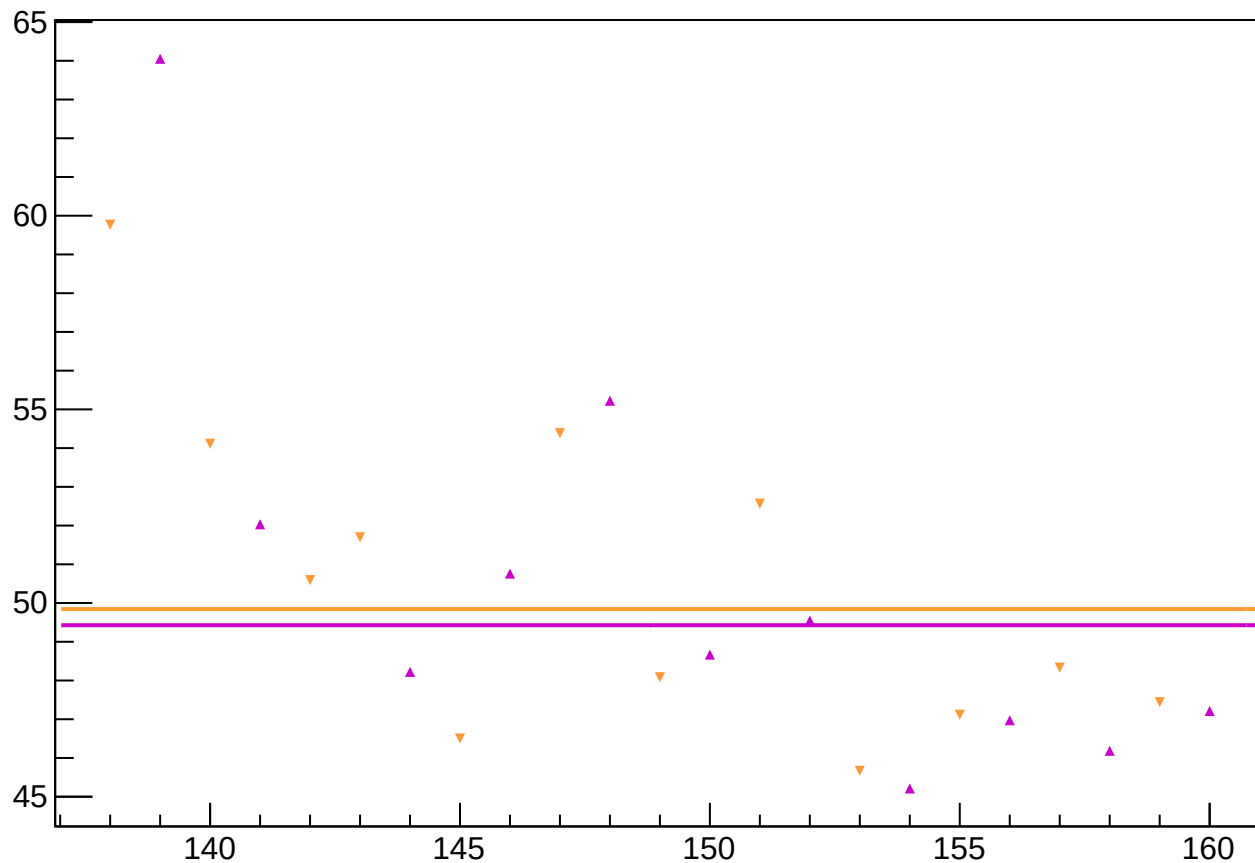
Left In: 47.627 $\pm$ 16.609 χ^2 /NDF:7.6/10

32.302 $\pm$ 16.756 χ^2 /NDF: 22.5/11

40.032 $\pm$ 11.796 χ^2 /NDF: 30.6/22

47.627 $\pm$ 16.609 χ^2 /NDF: 7.6/10

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 49.844 $\pm$ 0.012 χ^2/NDF :100726.3/11

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

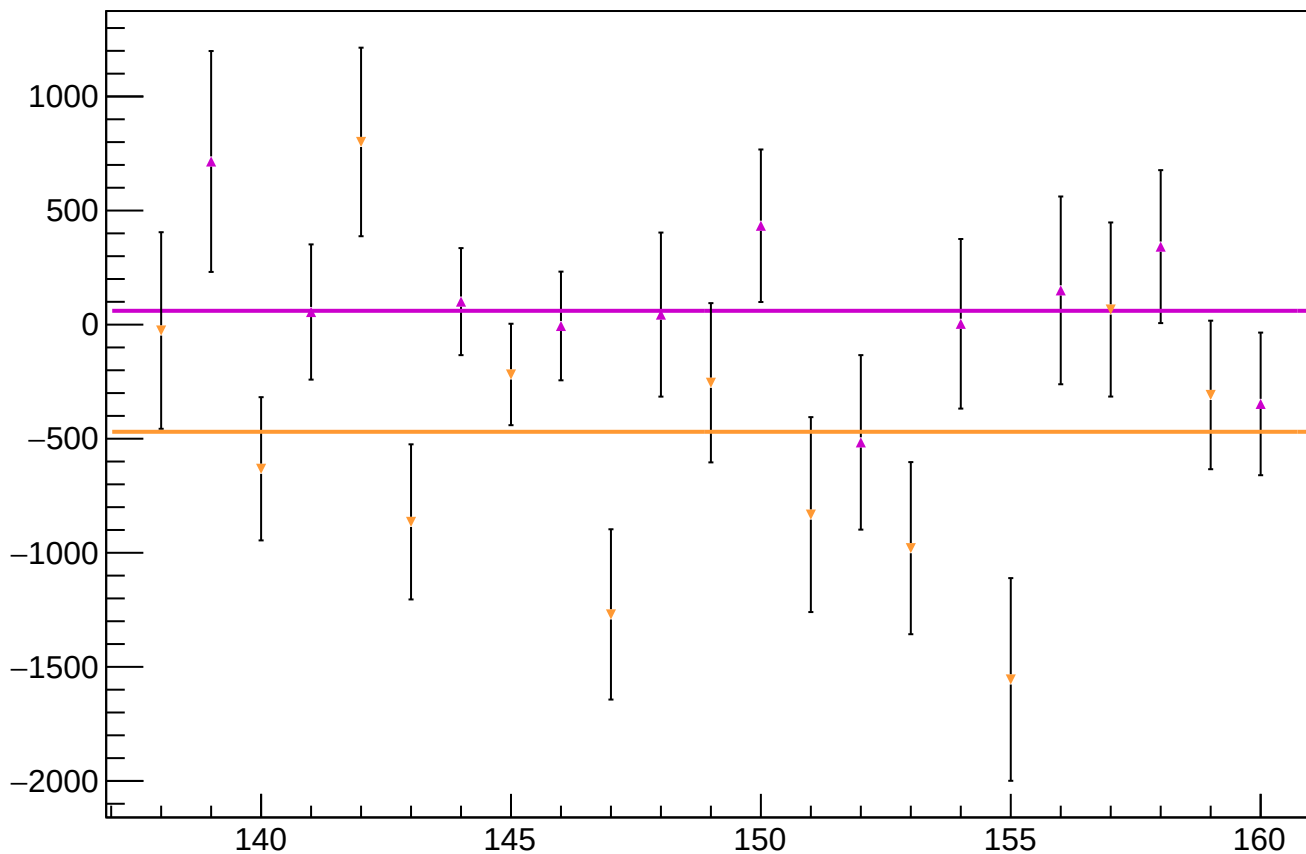
Left In: 49.428 $\pm$ 0.012 χ^2/NDF :130350.2/10

49.844 $\pm$ 0.012 χ^2/NDF : 100726.3/11

49.634 $\pm$ 0.008 χ^2/NDF : 231699.5/22

49.428 $\pm$ 0.012 χ^2/NDF : 130350.2/10

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -469.650+/-100.223 χ^2/NDF : 29.1/11

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

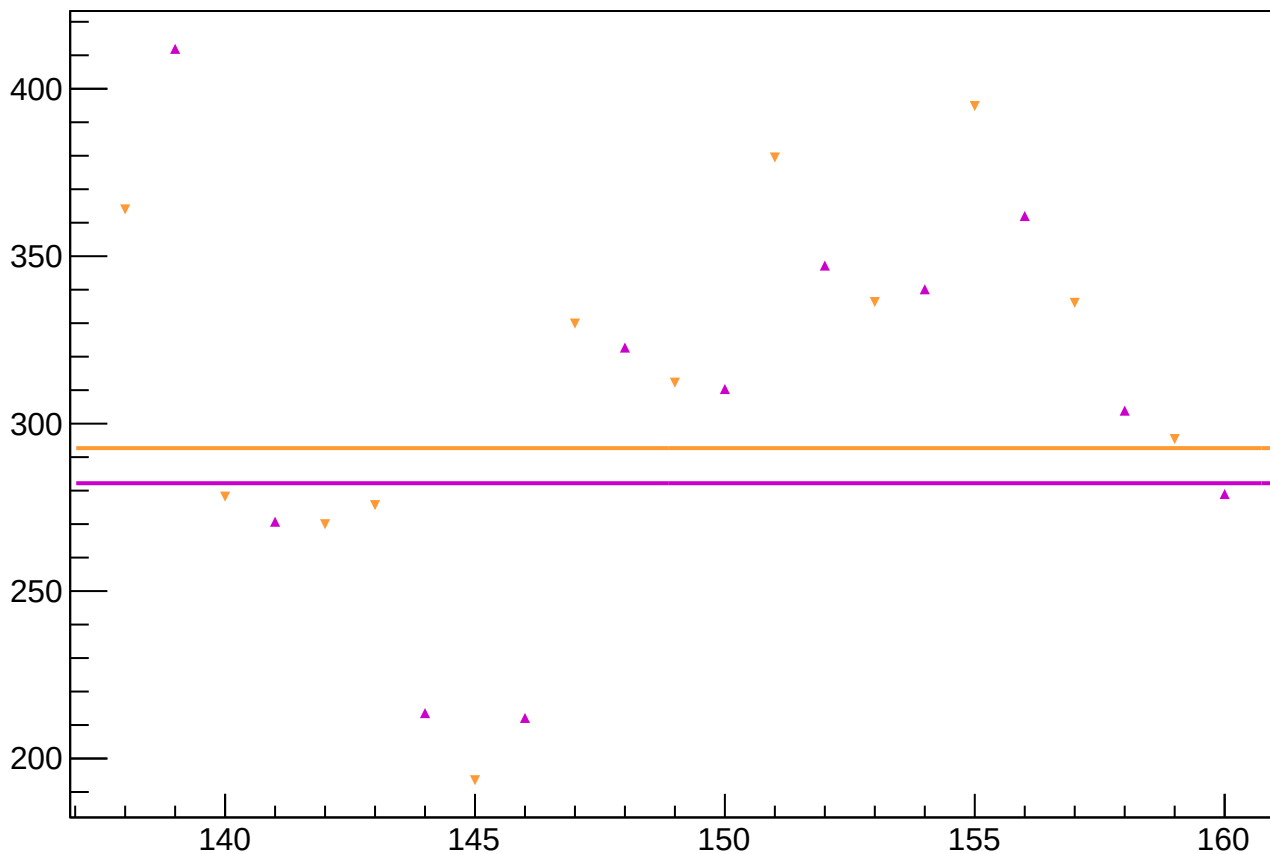
Left In: 60.612+/-96.559 χ^2/NDF : 7.9/10

-469.650+/-100.223 χ^2/NDF : 29.1/11

-194.648+/-69.537 χ^2/NDF : 51.6/22

60.612+/-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: 292.687+/-0.071 χ^2/NDF : 735392.1/11

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

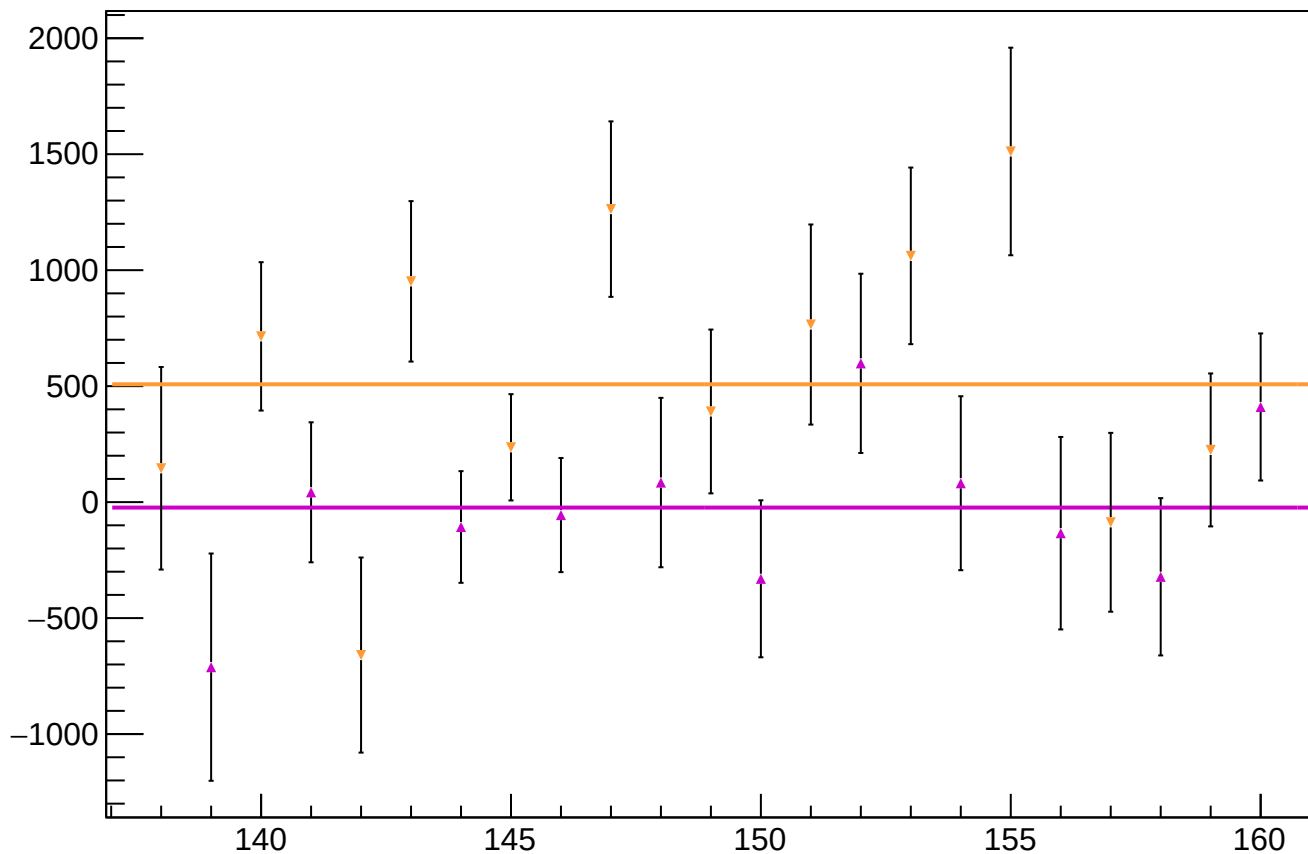
Left In: 282.211+/-0.068 χ^2/NDF : 720760.8/10

292.687+/-0.071 χ^2/NDF : 735392.1/11

287.254+/-0.049 χ^2/NDF : 1467486.4/22

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: 508.015+/-101.912 χ^2/NDF : 26.6/11

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

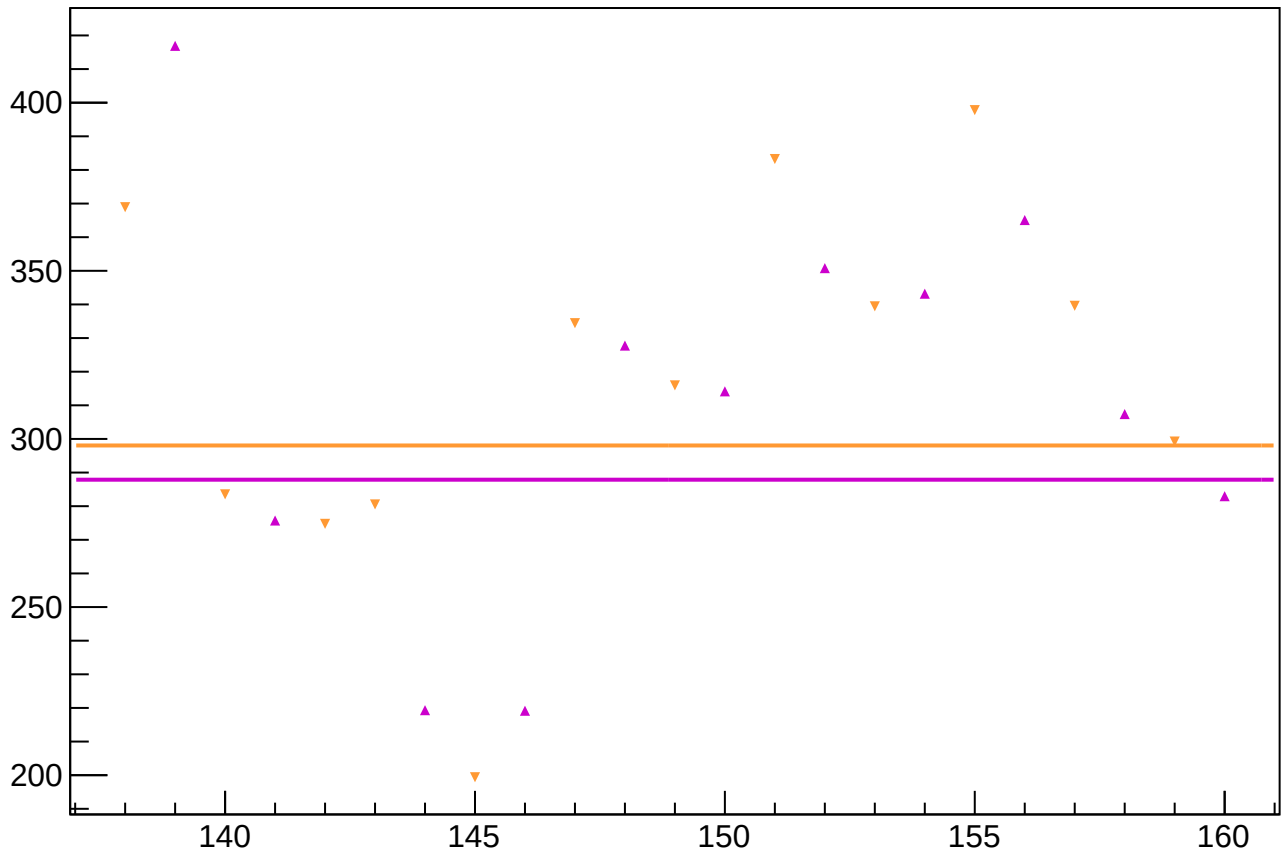
Left In: -23.537+/-98.336 χ^2/NDF : 8.5/10

508.015+/-101.912 χ^2/NDF : 26.6/11

232.747+/-70.765 χ^2/NDF : 49.1/22

-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: 298.057+/-0.072 χ^2/NDF : 686917.1/11

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

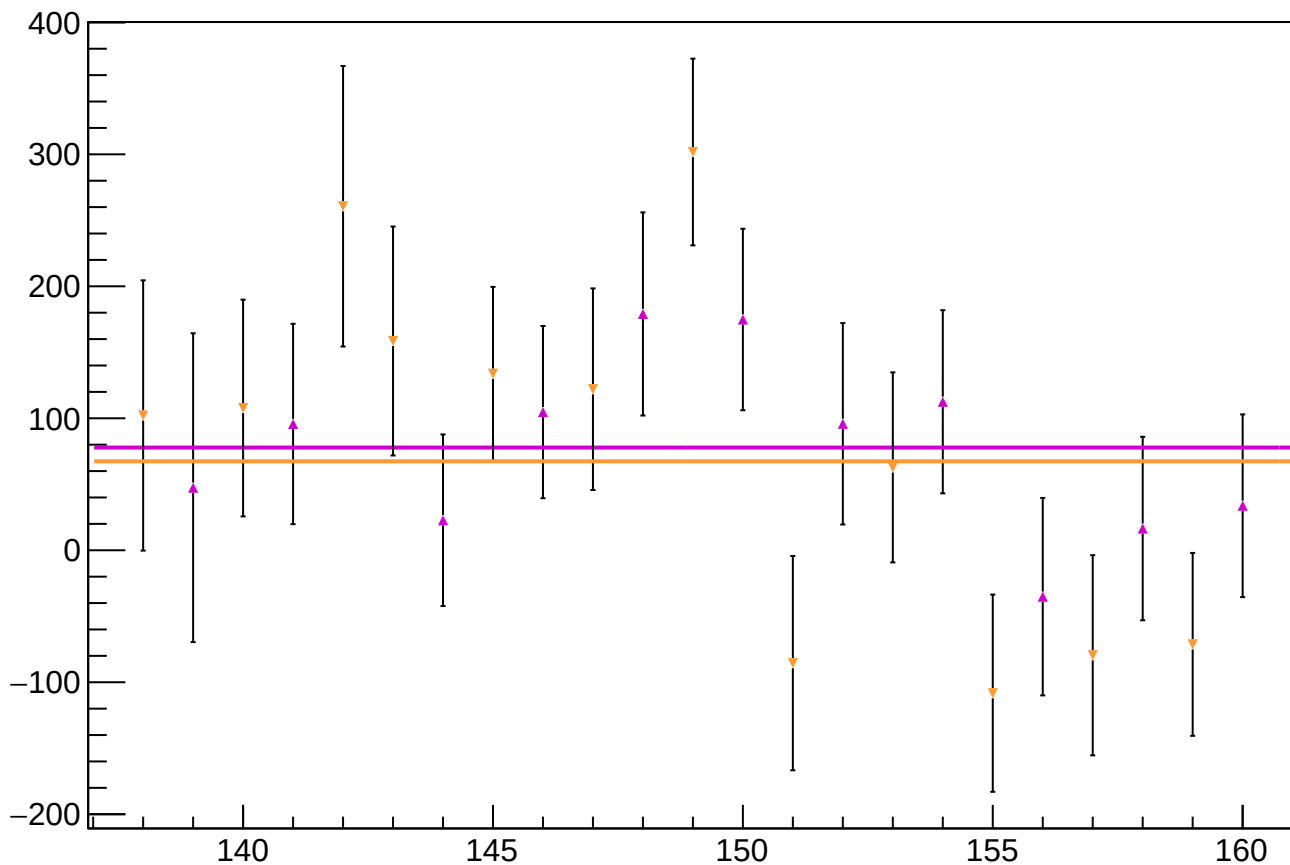
Left In: 287.877+/-0.070 χ^2/NDF : 668902.4/10

298.057+/-0.072 χ^2/NDF : 686917.1/11

292.785+/-0.050 χ^2/NDF : 1366154.3/22

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: 67.410+/-22.510 χ^2/NDF : 34.1/11

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

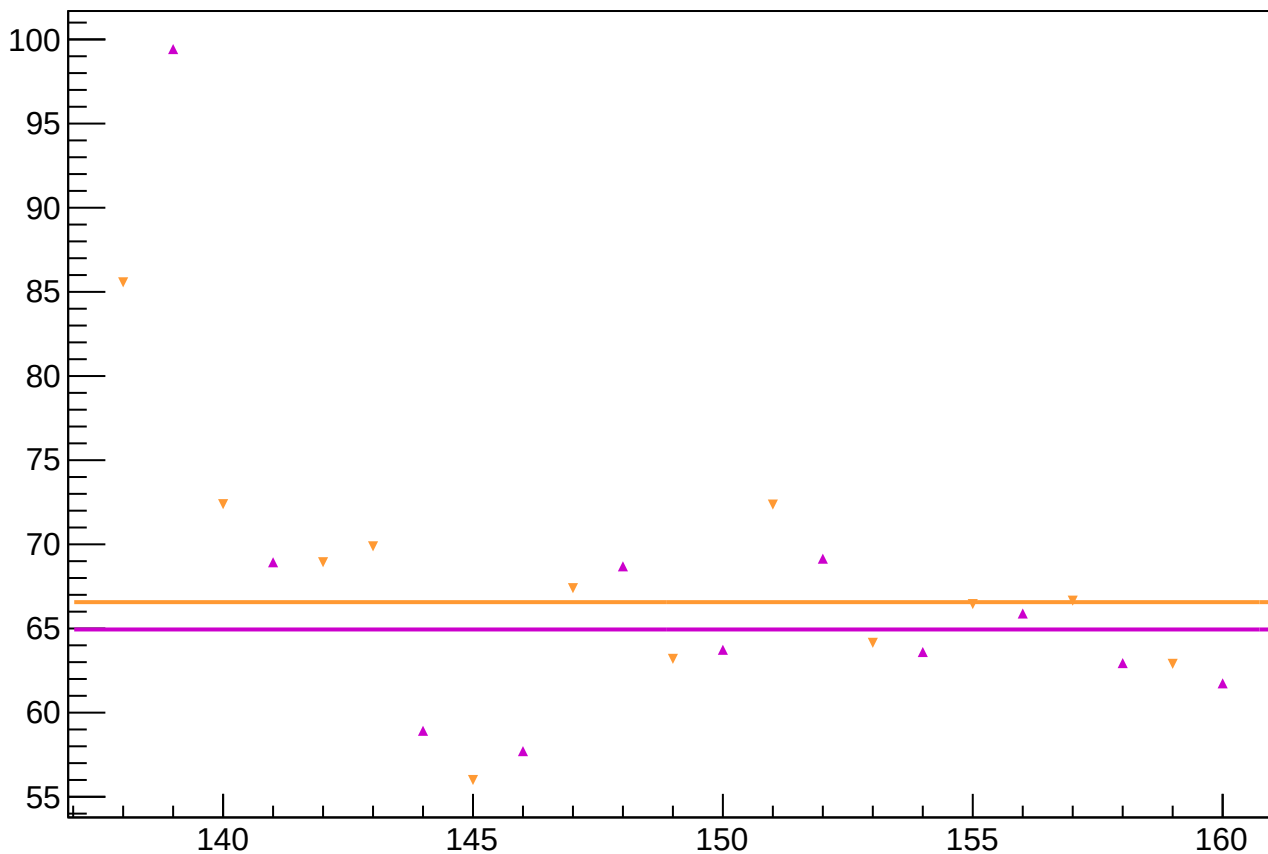
Left In: 77.818+/-21.966 χ^2/NDF : 8.5/10

67.410+/-22.510 χ^2/NDF : 34.1/11

72.741+/-15.721 χ^2/NDF : 42.7/22

77.818+/-21.966 χ^2/NDF : 8.5/10

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 66.566 $\pm$ 0.016 χ^2/NDF :157263.0/11

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

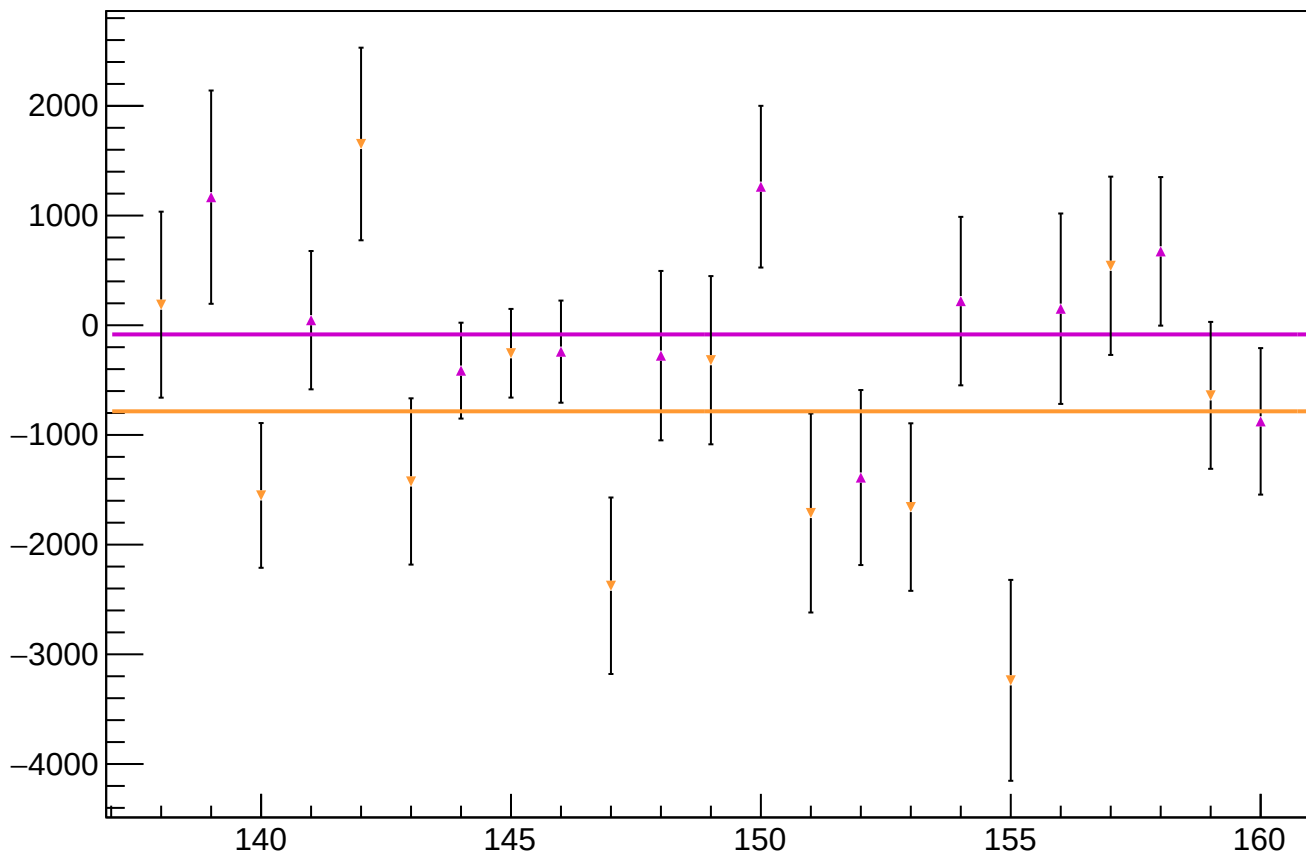
Left In: 64.941 $\pm$ 0.016 χ^2/NDF :239381.1/10

66.566 $\pm$ 0.016 χ^2/NDF : 157263.0/11

65.734 $\pm$ 0.011 χ^2/NDF : 401977.3/22

64.941 $\pm$ 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: -784.616+/-204.306 χ^2/NDF : 29.3/11

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

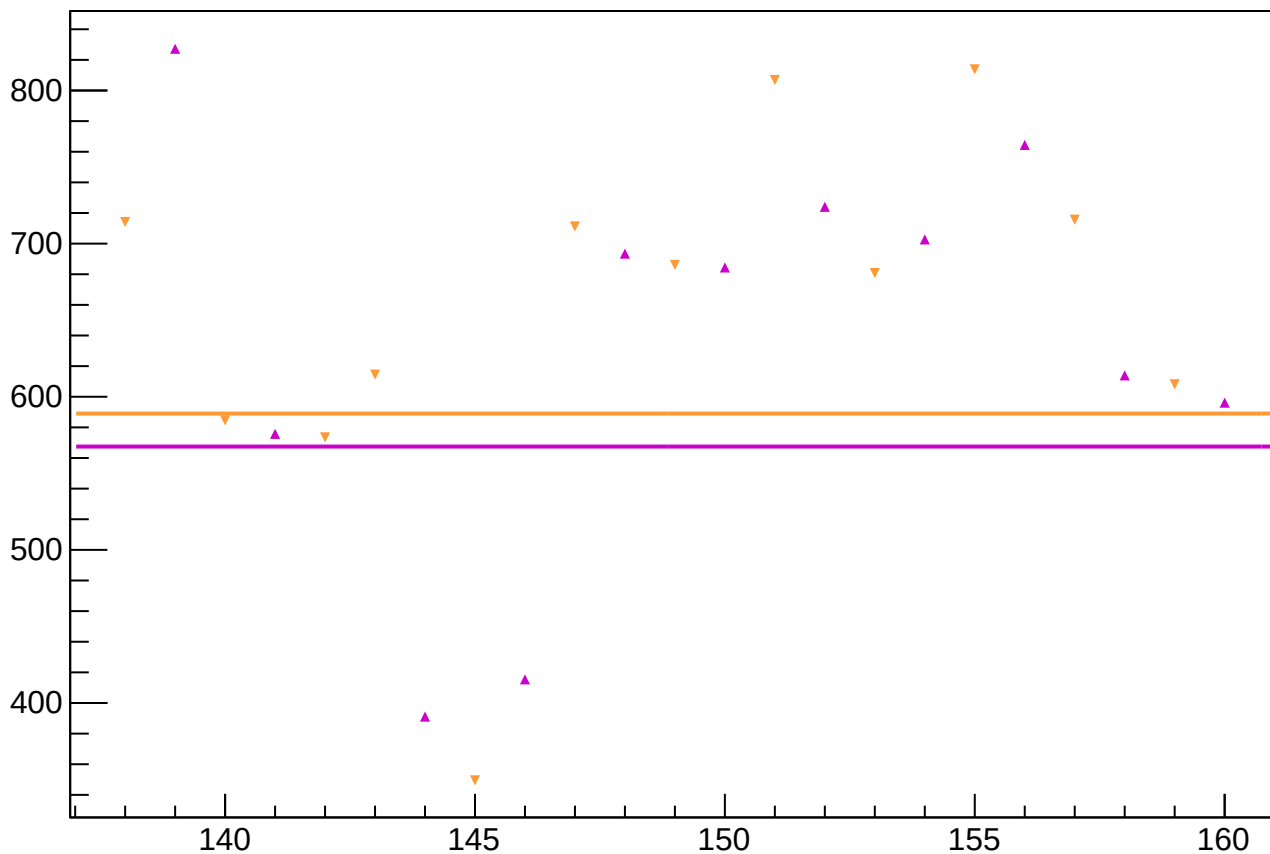
Left In: -83.513+/-196.280 χ^2/NDF : 11.3/10

-784.616+/-204.306 χ^2/NDF : 29.3/11

-420.023+/-141.543 χ^2/NDF : 46.8/22

-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: 589.019+/-0.144 χ^2/NDF : 1142107.2/11

589.019+/-0.144 χ^2/NDF : 1142107.2/11

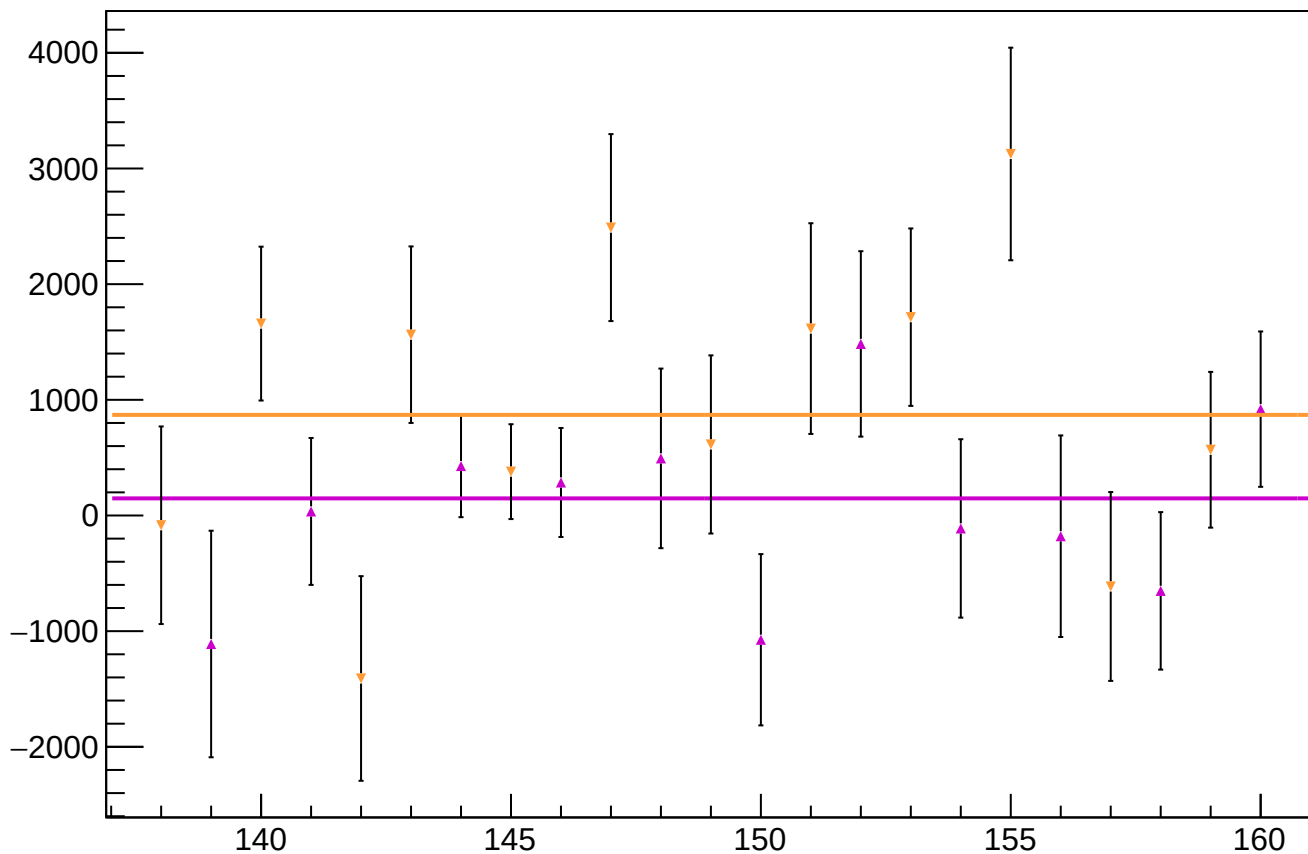
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

577.815+/-0.100 χ^2/NDF : 2194528.8/22

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: 869.766+/-205.901 χ^2/NDF : 27.1/11

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

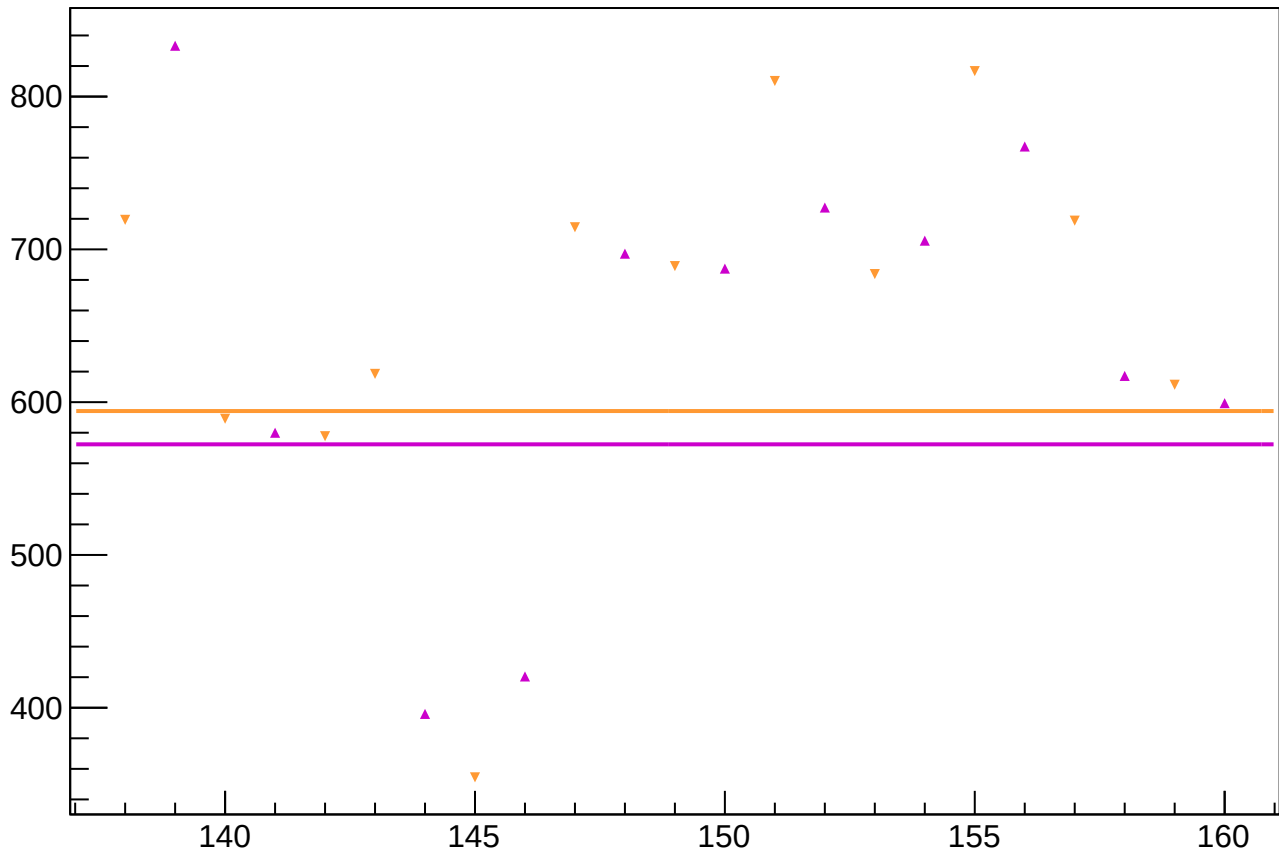
Left In: 147.879+/-197.824 χ^2/NDF : 10.8/10

869.766+/-205.901 χ^2/NDF : 27.1/11

494.385+/-142.653 χ^2/NDF : 44.3/22

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: 594.189+/-0.146 χ^2/NDF : 1109100.5/11

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

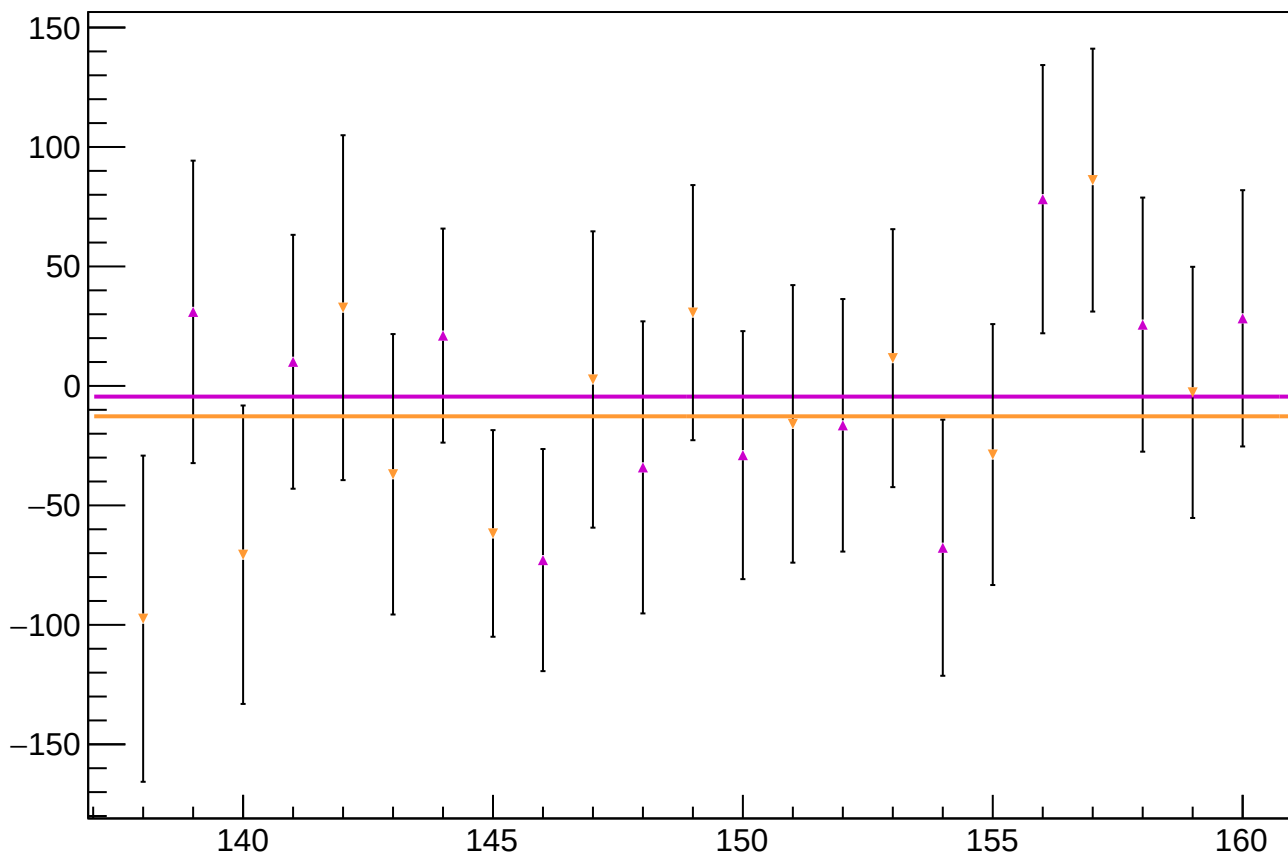
Left In: 572.402+/-0.140 χ^2/NDF : 1014880.4/10

594.189+/-0.146 χ^2/NDF : 1109100.5/11

582.860+/-0.101 χ^2/NDF : 2135626.0/22

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: -12.722+/-16.294 χ^2/NDF : 8.5/11

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

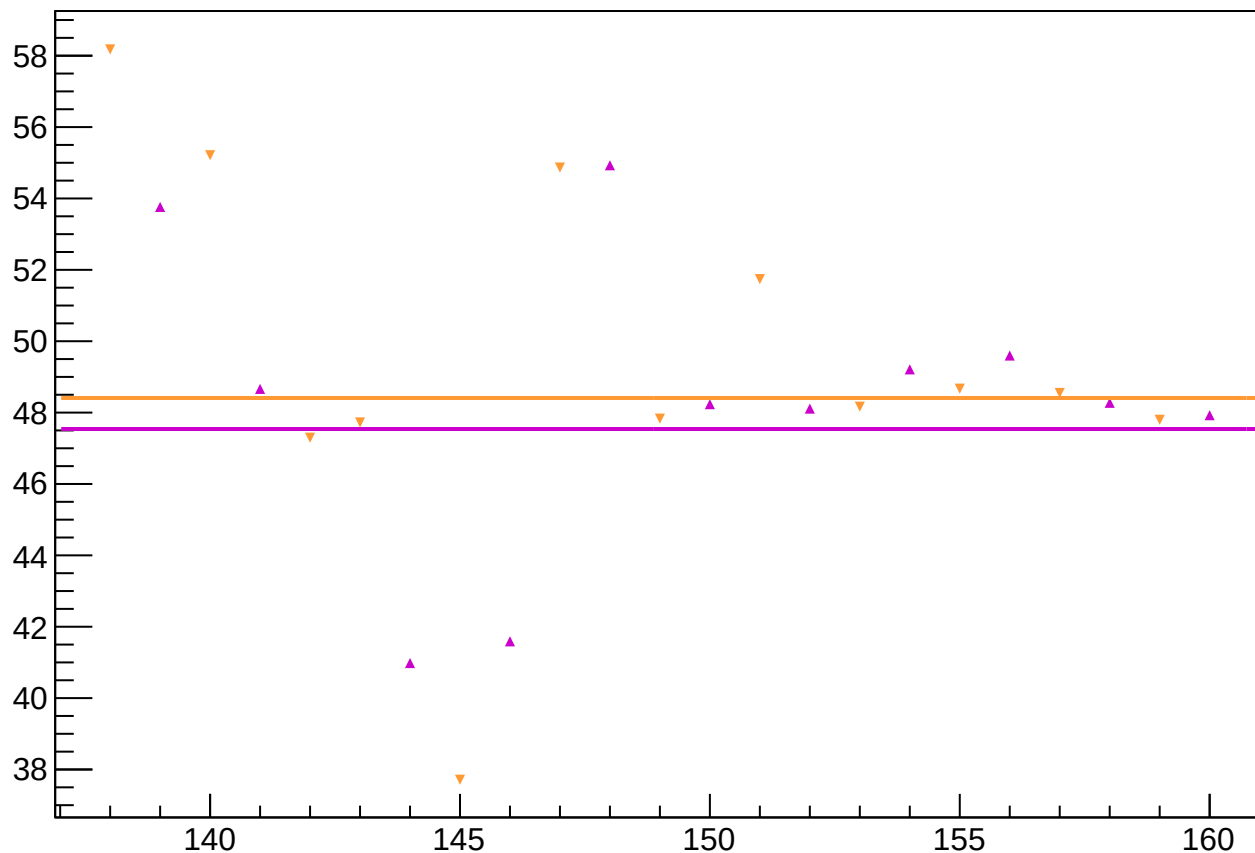
Left In: -4.471+/-15.954 χ^2/NDF : 7.6/10

-12.722+/-16.294 χ^2/NDF : 8.5/11

-8.509+/-11.400 χ^2/NDF : 16.3/22

-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: 48.410+/-0.012 χ^2/NDF : 216663.6/11

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

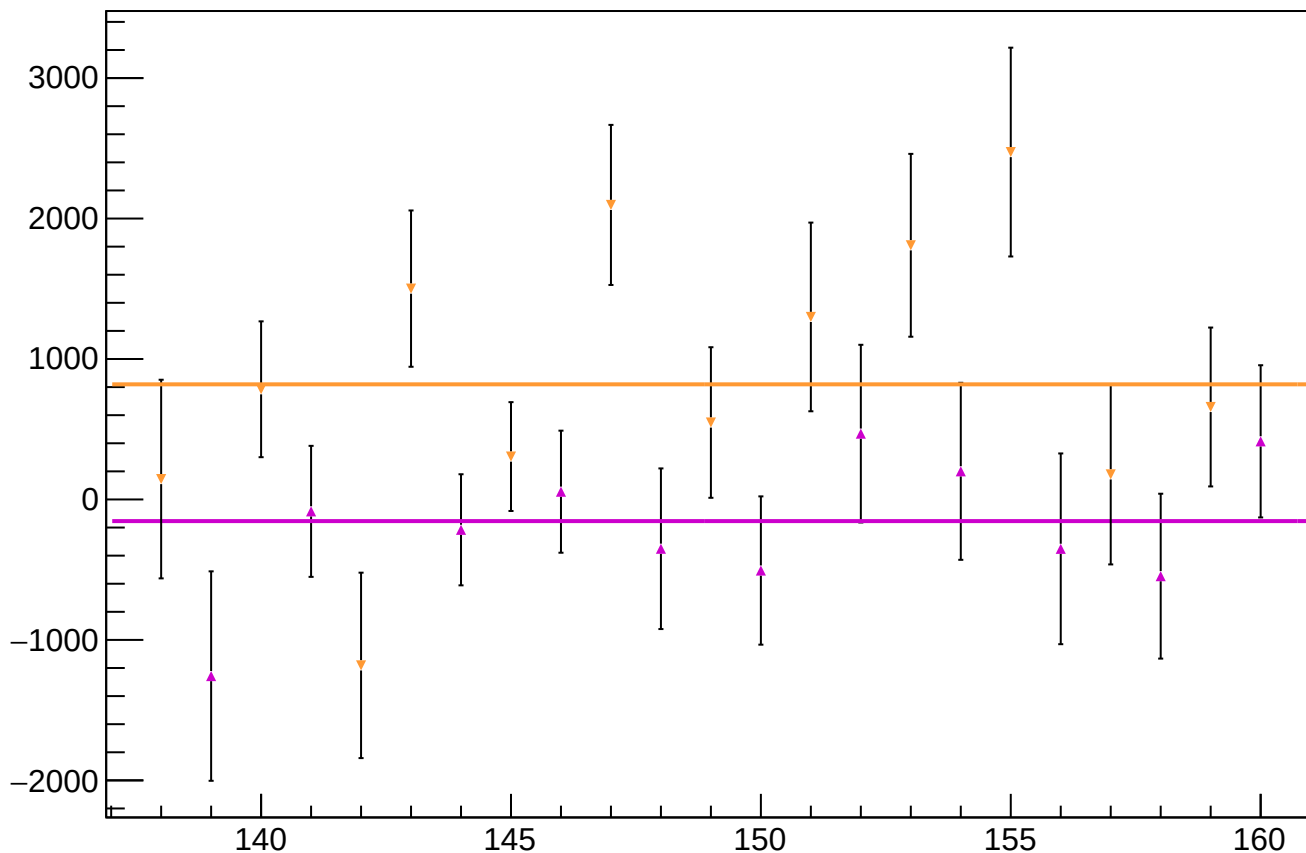
Left In: 47.540+/-0.011 χ^2/NDF : 130805.5/10

48.410+/-0.012 χ^2/NDF : 216663.6/11

47.966+/-0.008 χ^2/NDF : 350376.1/22

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: 819.623+/-164.471 χ^2/NDF : 27.5/11

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

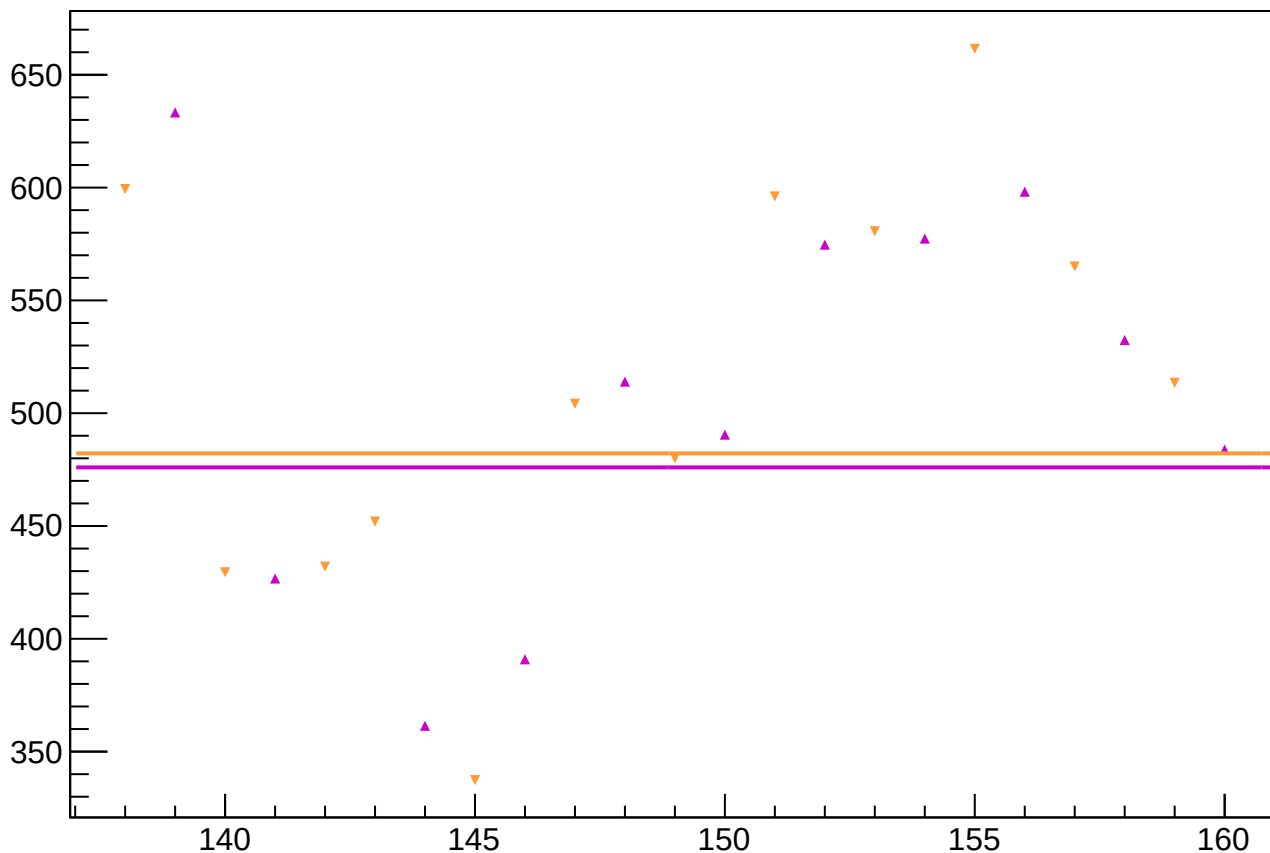
Left In: -154.096+/-161.738 χ^2/NDF : 5.9/10

819.623+/-164.471 χ^2/NDF : 27.5/11

324.608+/-115.320 χ^2/NDF : 51.3/22

-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: 482.188+/-0.116 χ^2/NDF : 637827.4/11

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

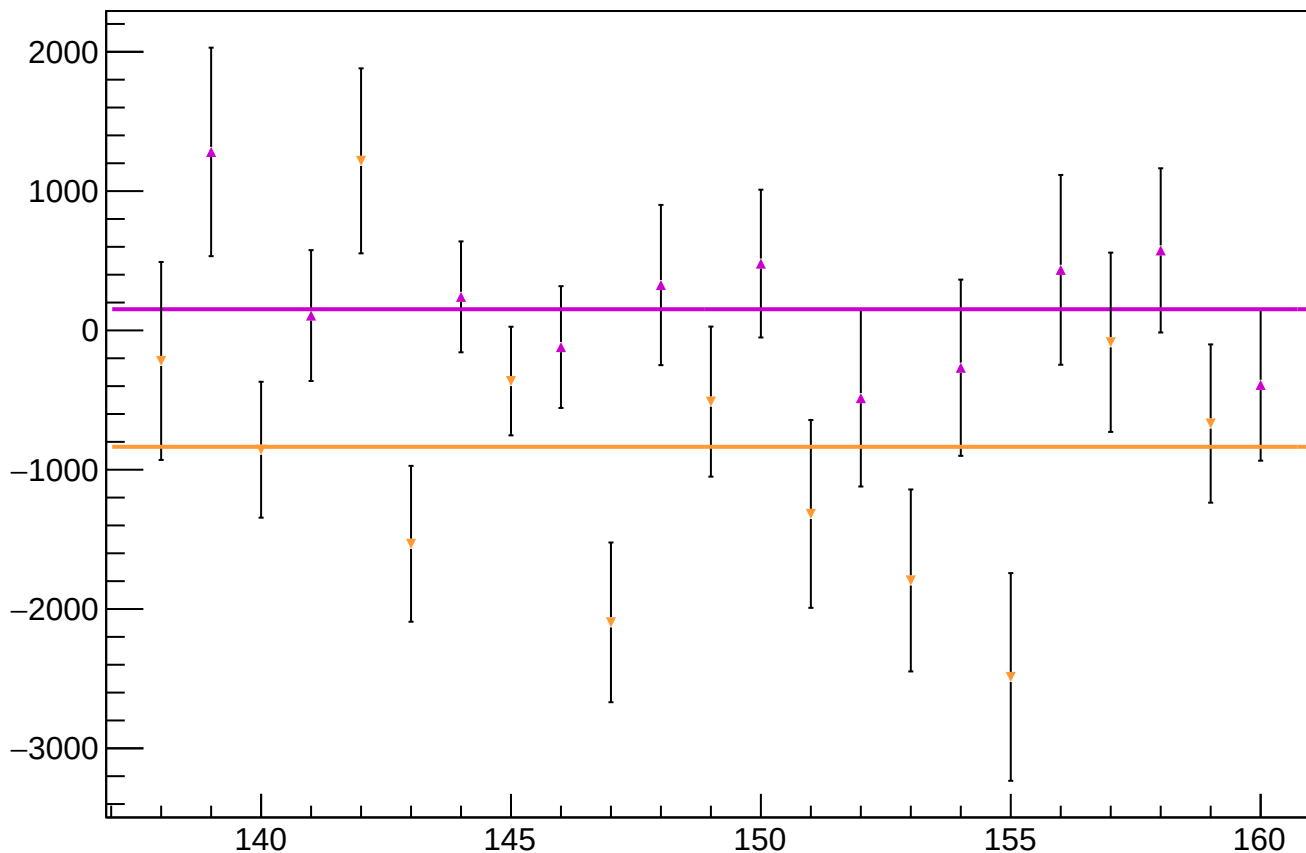
Left In: 475.990+/-0.114 χ^2/NDF : 550346.8/10

482.188+/-0.116 χ^2/NDF : 637827.4/11

479.037+/-0.082 χ^2/NDF : 1189618.0/22

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: -835.561+/-165.366 χ^2/NDF : 27.5/11

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

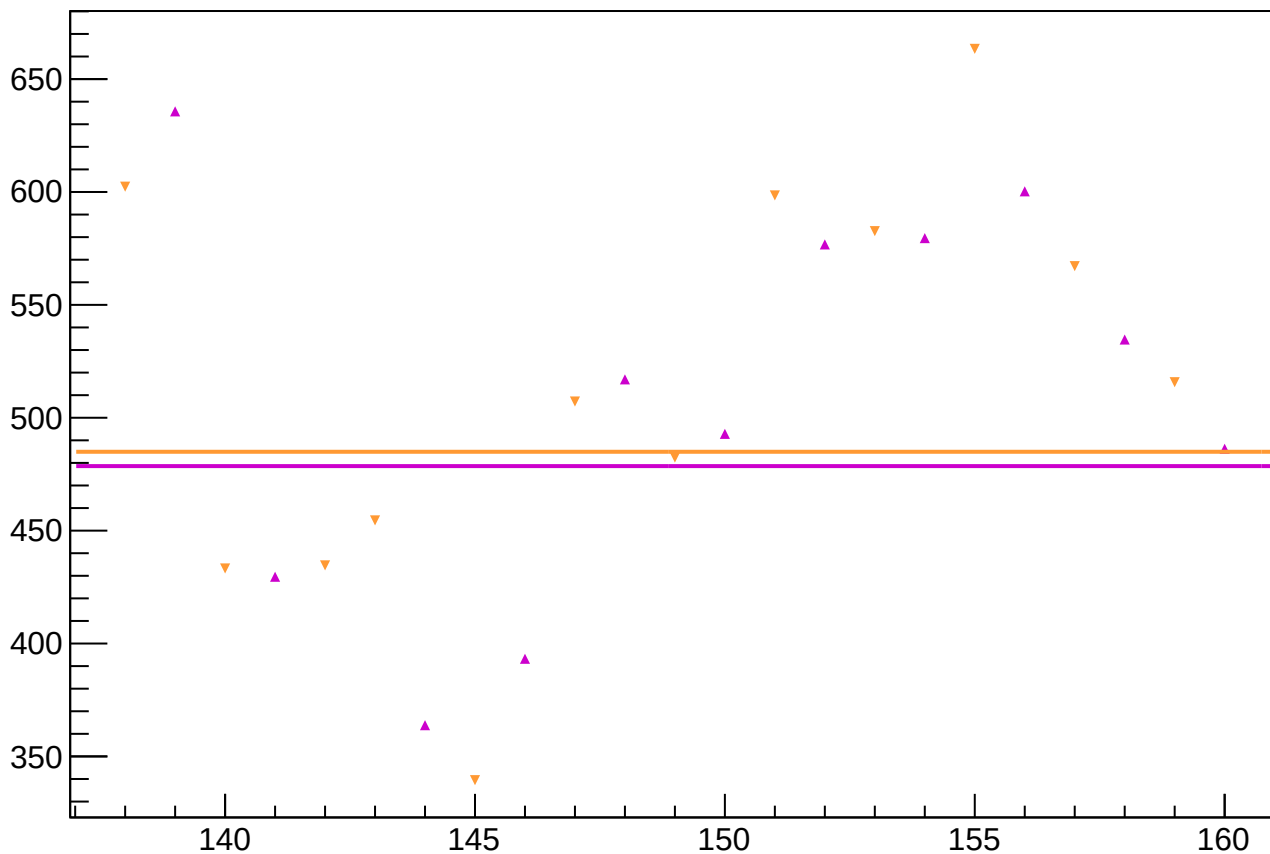
Left In: 152.051+/-162.586 χ^2/NDF : 6.3/10

-835.561+/-165.366 χ^2/NDF : 27.5/11

-333.382+/-115.936 χ^2/NDF : 52.0/22

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: 484.935+/-0.117 χ^2/NDF : 630477.8/11

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

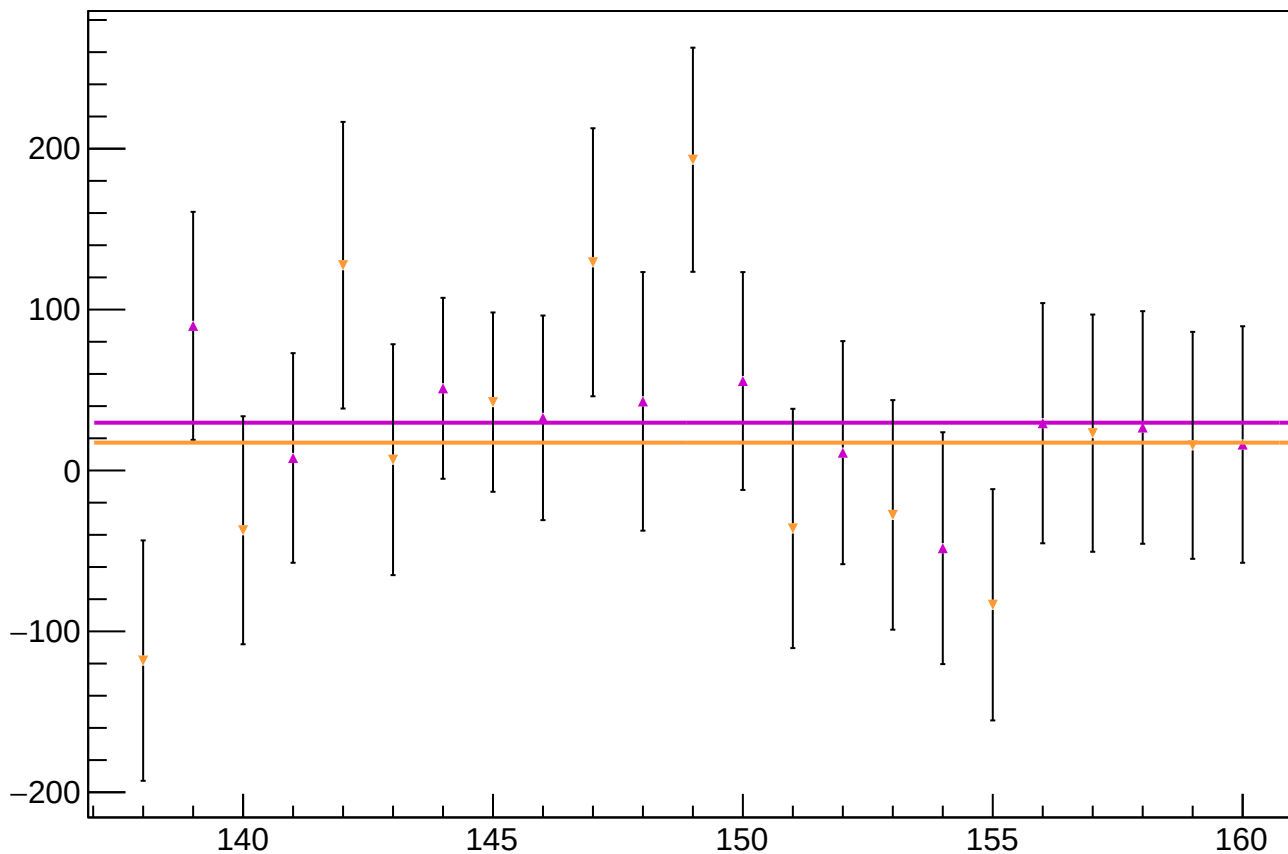
Left In: 478.586+/-0.115 χ^2/NDF : 543876.3/10

484.935+/-0.117 χ^2/NDF : 630477.8/11

481.707+/-0.082 χ^2/NDF : 1175853.3/22

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: 17.299 $\pm$ 20.731 χ^2 /NDF:16.7/11

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

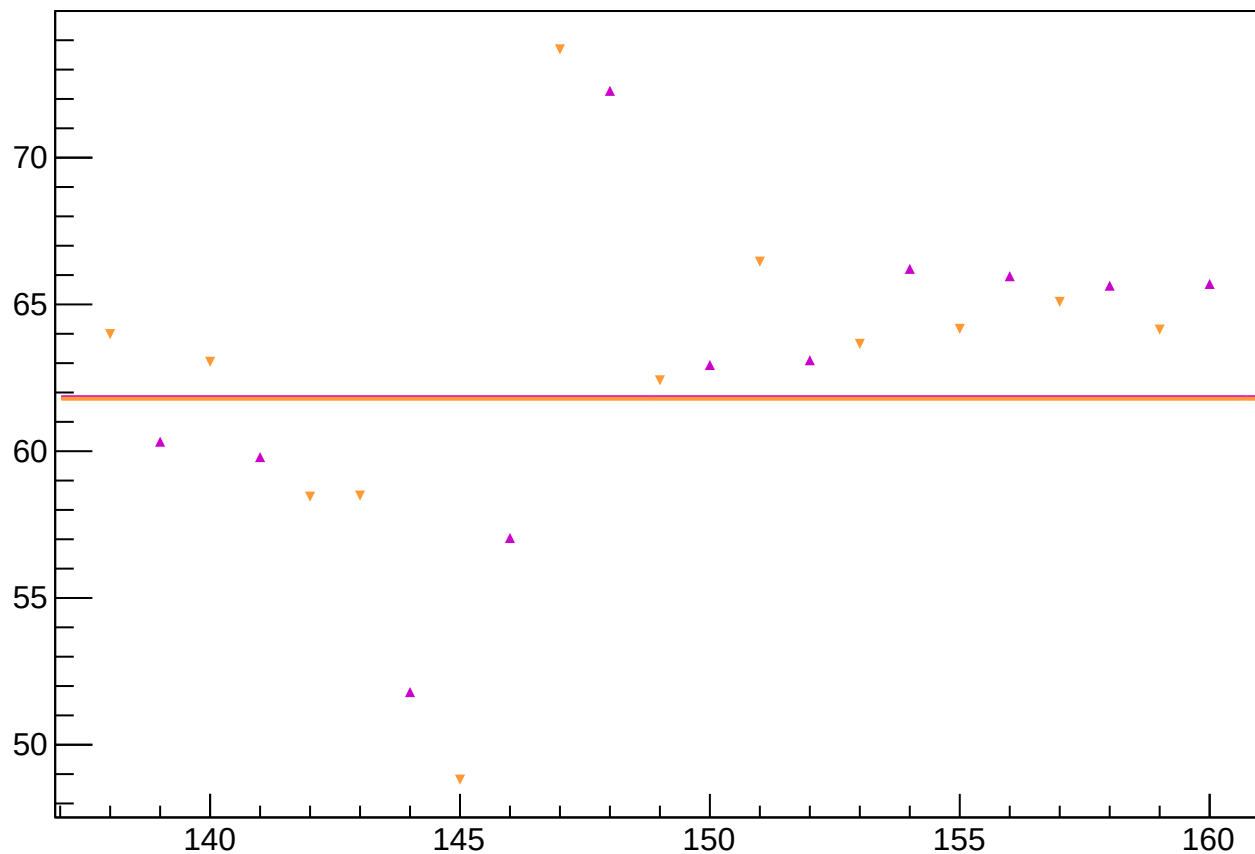
Left In: 29.701 $\pm$ 20.725 χ^2 /NDF:2.4/10

17.299 $\pm$ 20.731 χ^2 /NDF: 16.7/11

23.502 $\pm$ 14.657 χ^2 /NDF: 19.3/22

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: 61.788+/-0.015 χ^2/NDF :176518.4/11

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

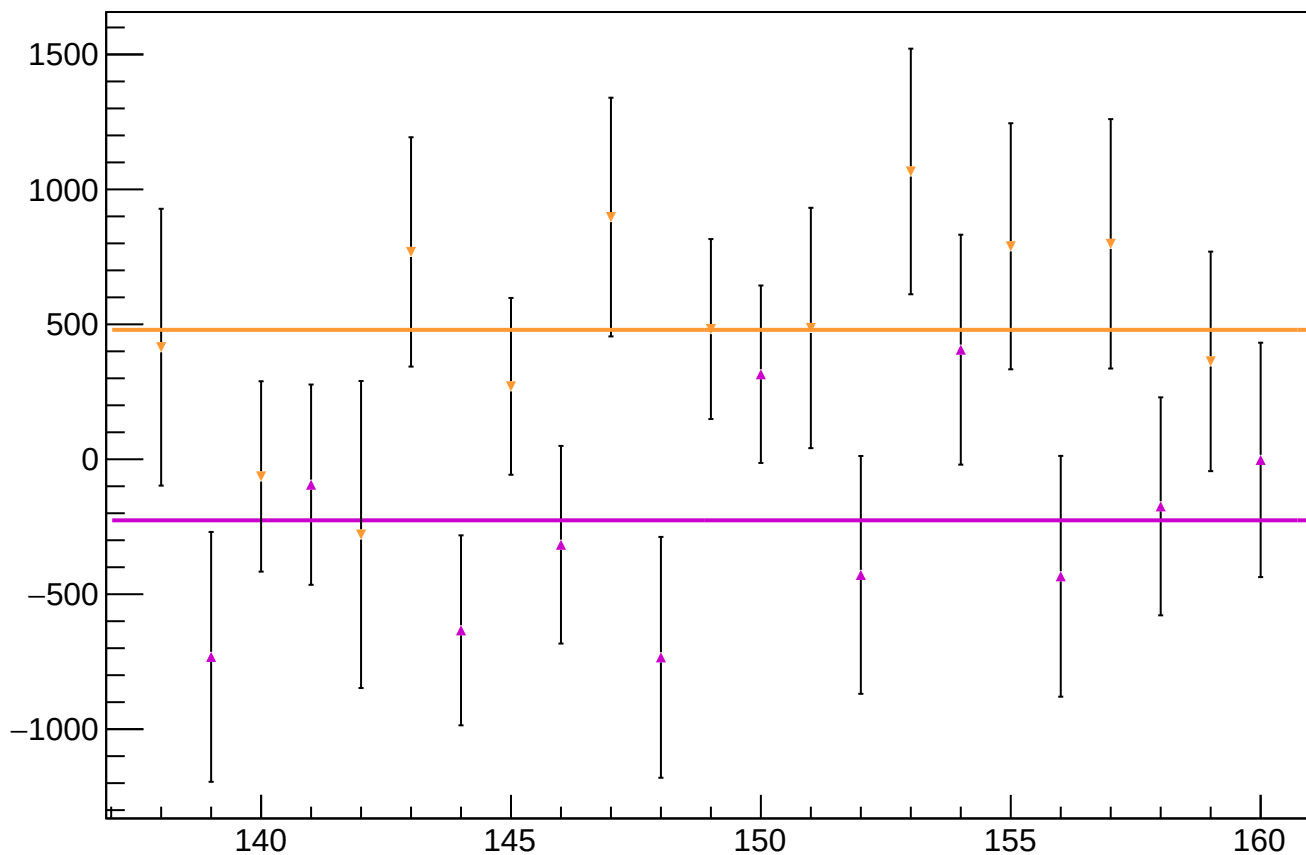
Left In: 61.838+/-0.015 χ^2/NDF :137492.4/10

61.788+/-0.015 χ^2/NDF : 176518.4/11

61.813+/-0.010 χ^2/NDF : 314016.5/22

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: 479.600+/-120.118 χ^2/NDF : 8.6/11

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

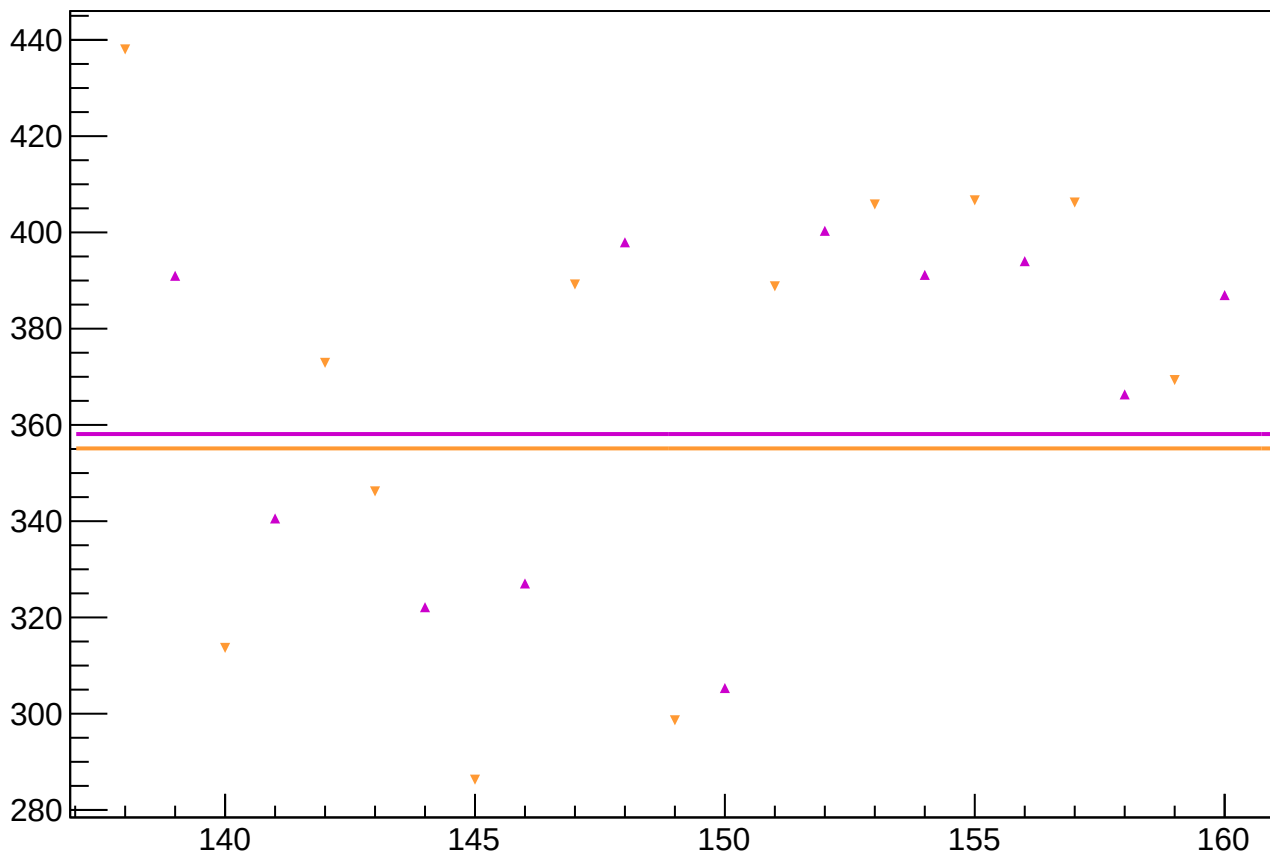
Left In: -226.218+/-120.510 χ^2/NDF : 9.6/10

479.600+/-120.118 χ^2/NDF : 8.6/11

127.840+/-85.074 χ^2/NDF : 35.5/22

-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: 355.120+/-0.085 χ^2/NDF : 328985.2/11

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

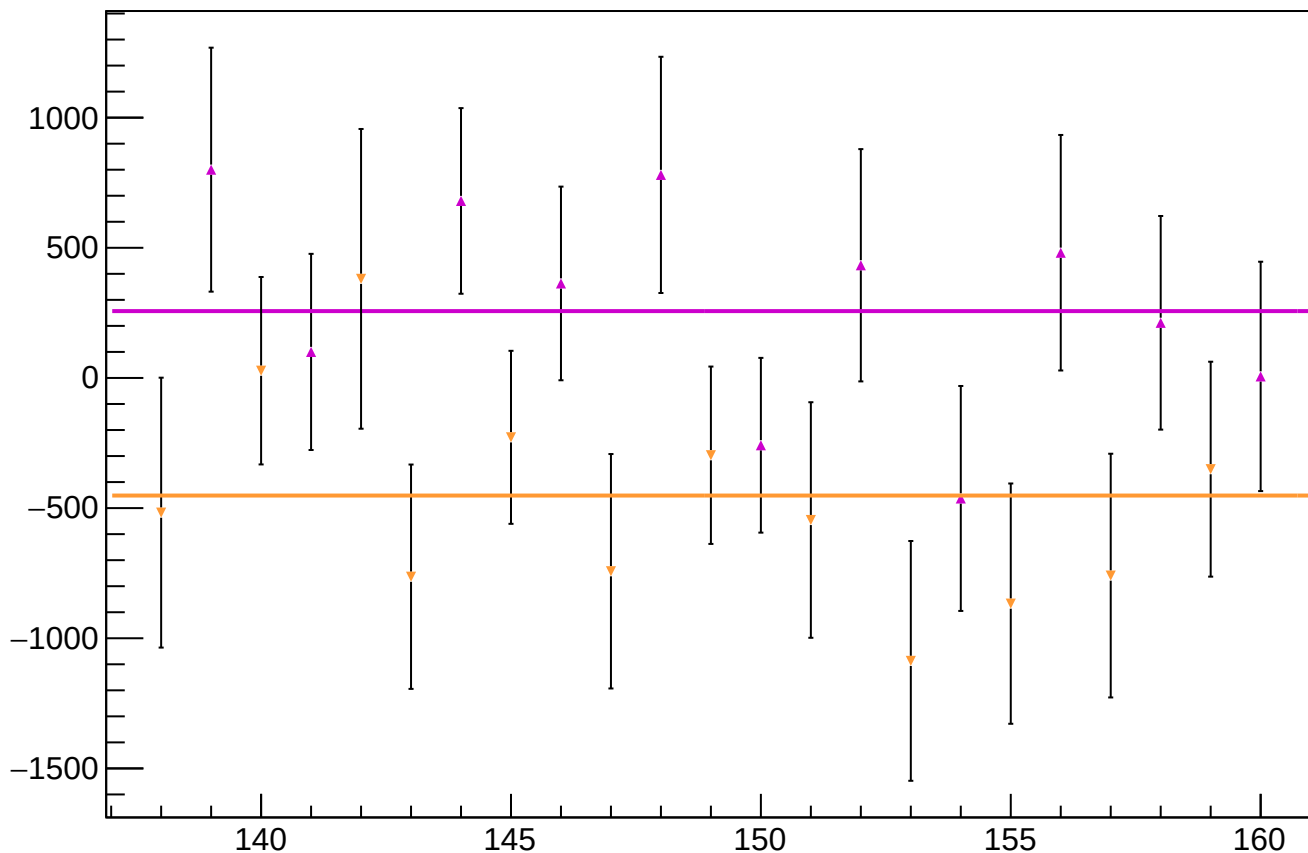
Left In: 358.104+/-0.085 χ^2/NDF : 170386.0/10

355.120+/-0.085 χ^2/NDF : 328985.2/11

356.607+/-0.060 χ^2/NDF : 499986.5/22

358.104+/-0.085 χ^2/NDF : 170386.0/10

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: -451.729 $\pm$ 122.024 χ^2 /NDF: 8.7/11

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

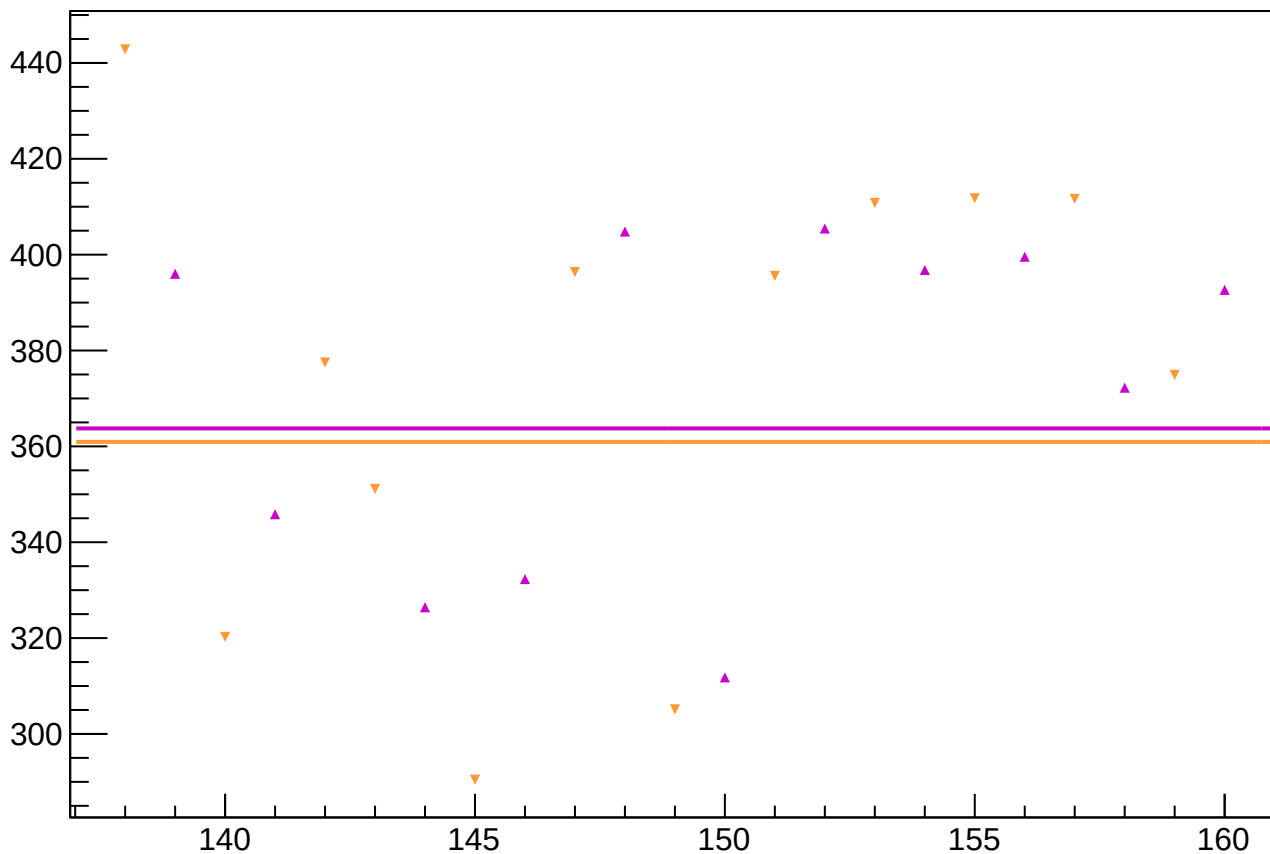
Left In: 256.805 $\pm$ 122.370 χ^2 /NDF: 10.2/10

-451.729 $\pm$ 122.024 χ^2 /NDF: 8.7/11

-98.465 $\pm$ 86.406 χ^2 /NDF: 35.7/22

256.805 $\pm$ 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: 360.934+/-0.086 χ^2/NDF : 319334.4/11

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

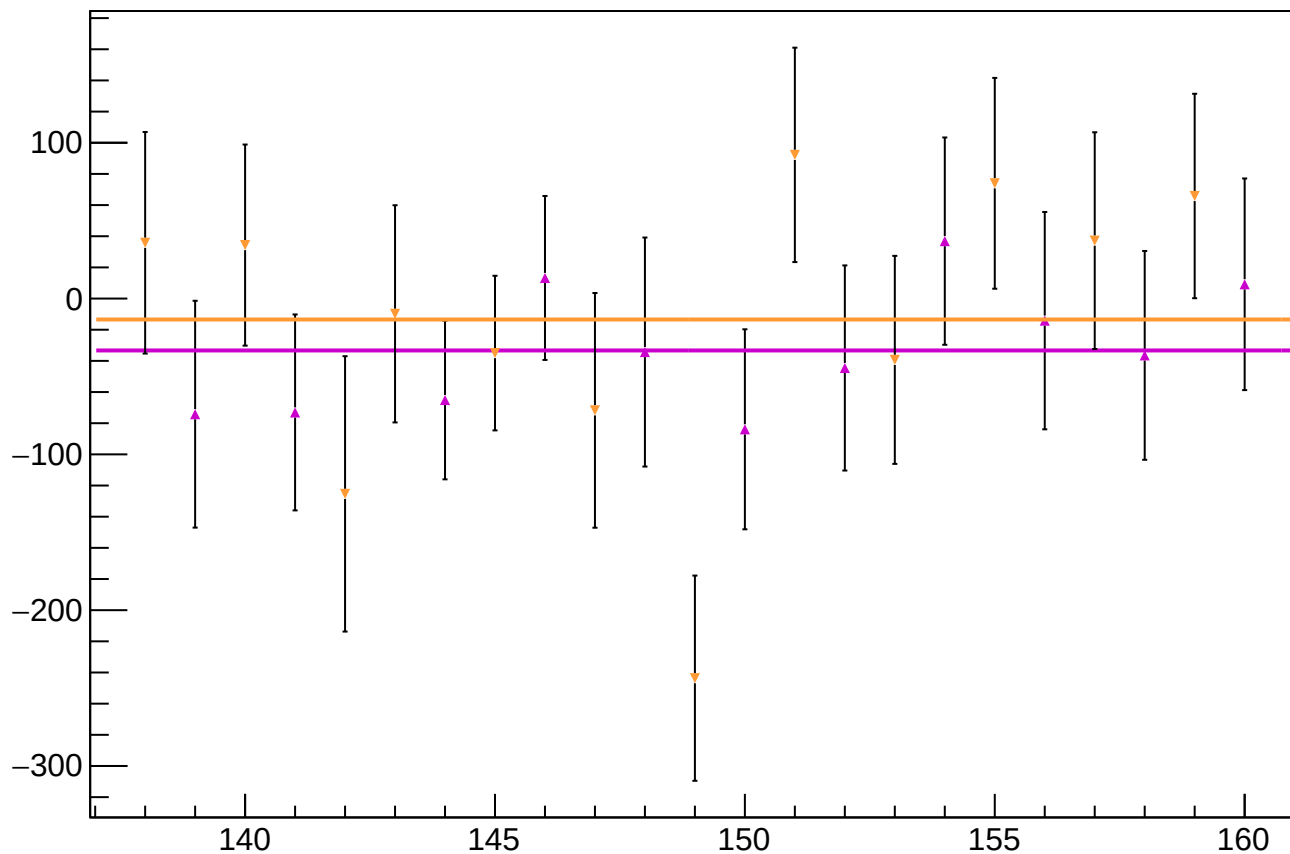
Left In: 363.744+/-0.087 χ^2/NDF : 165659.9/10

360.934+/-0.086 χ^2/NDF : 319334.4/11

362.335+/-0.061 χ^2/NDF : 485523.0/22

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: -13.442+/-19.324 χ^2/NDF : 21.8/11

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

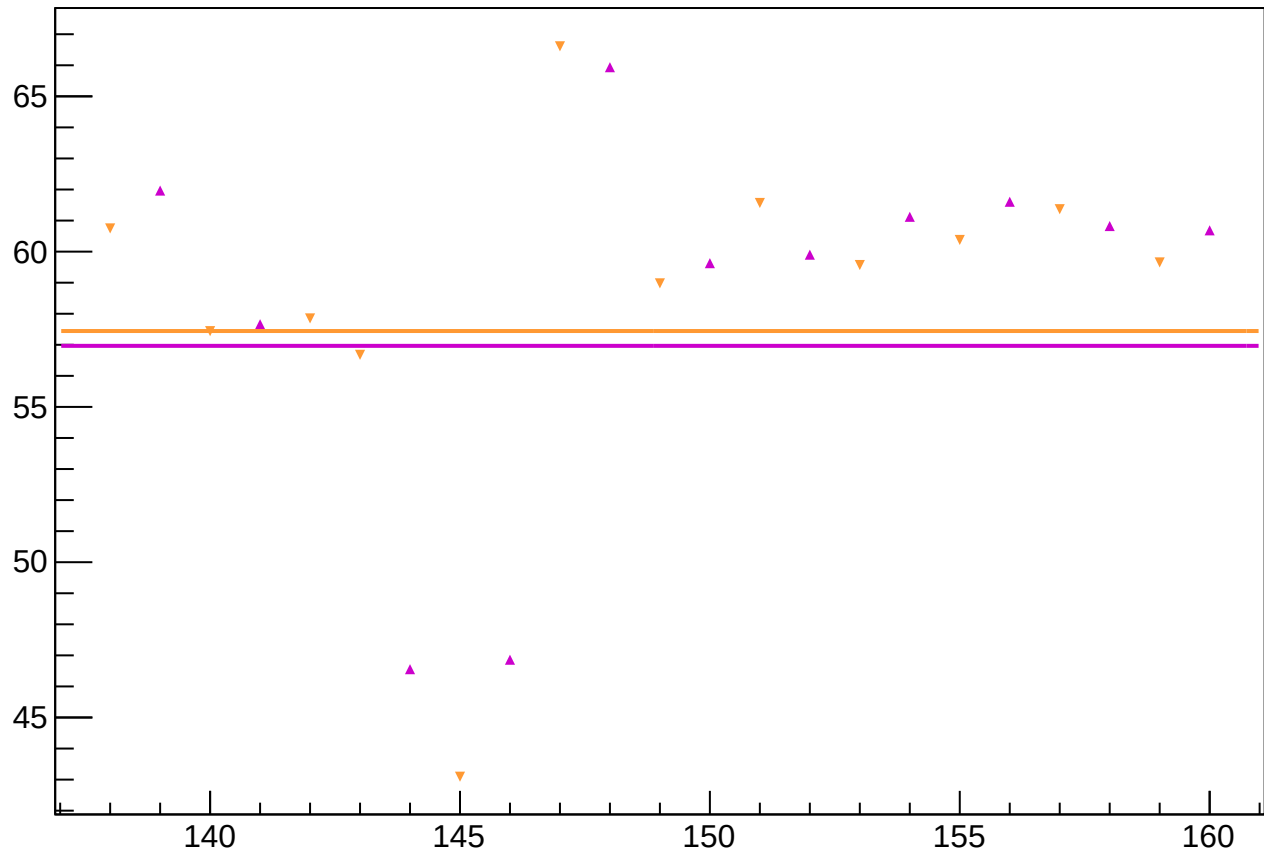
Left In: -33.308+/-19.181 χ^2/NDF : 4.1/10

-13.442+/-19.324 χ^2/NDF : 21.8/11

-23.448+/-13.613 χ^2/NDF : 26.5/22

-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: 57.444 $\pm$ 0.014 χ^2/NDF :224189.7/11

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

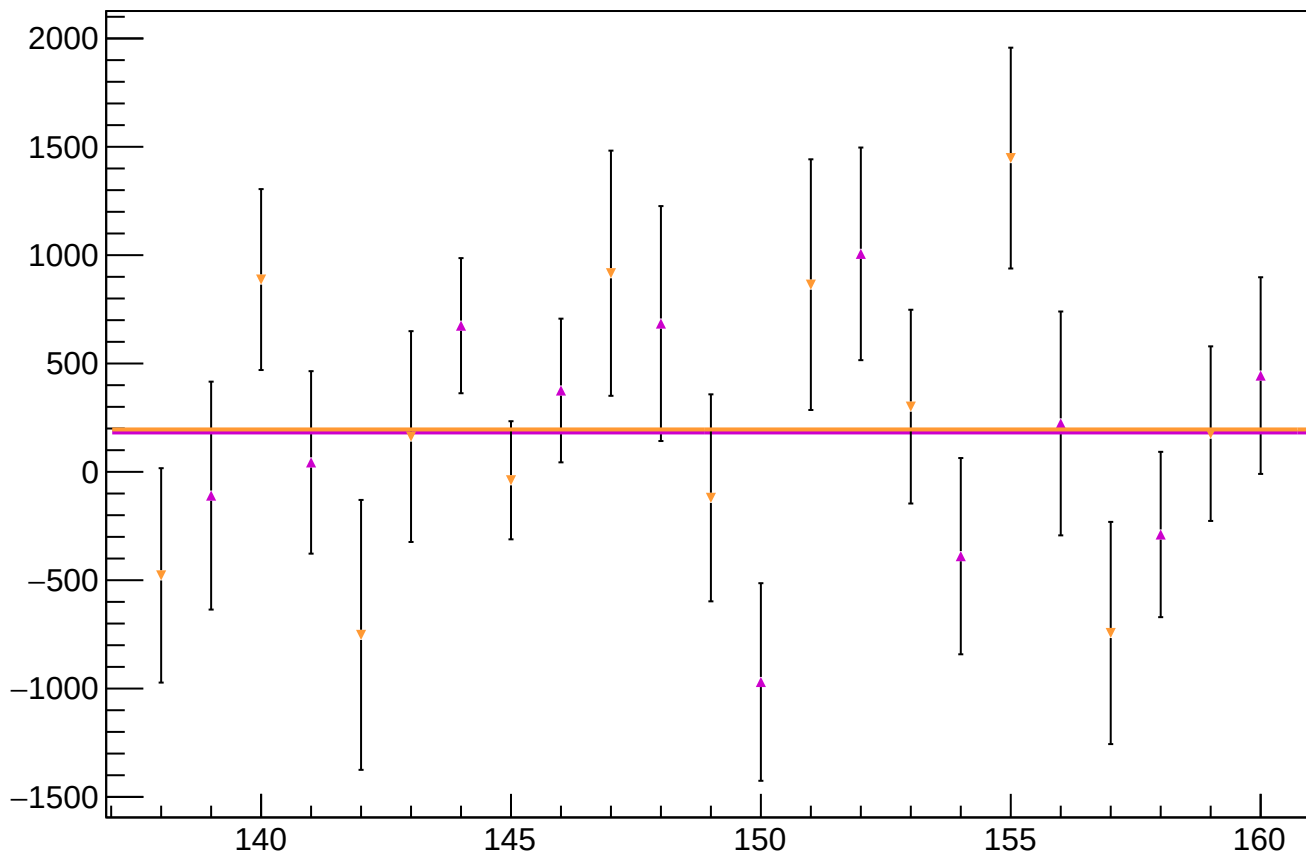
Left In: 56.966 $\pm$ 0.014 χ^2/NDF :233523.0/10

57.444 $\pm$ 0.014 χ^2/NDF : 224189.7/11

57.203 $\pm$ 0.010 χ^2/NDF : 458327.1/22

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: 195.693+/-129.736 χ^2/NDF : 20.5/11

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

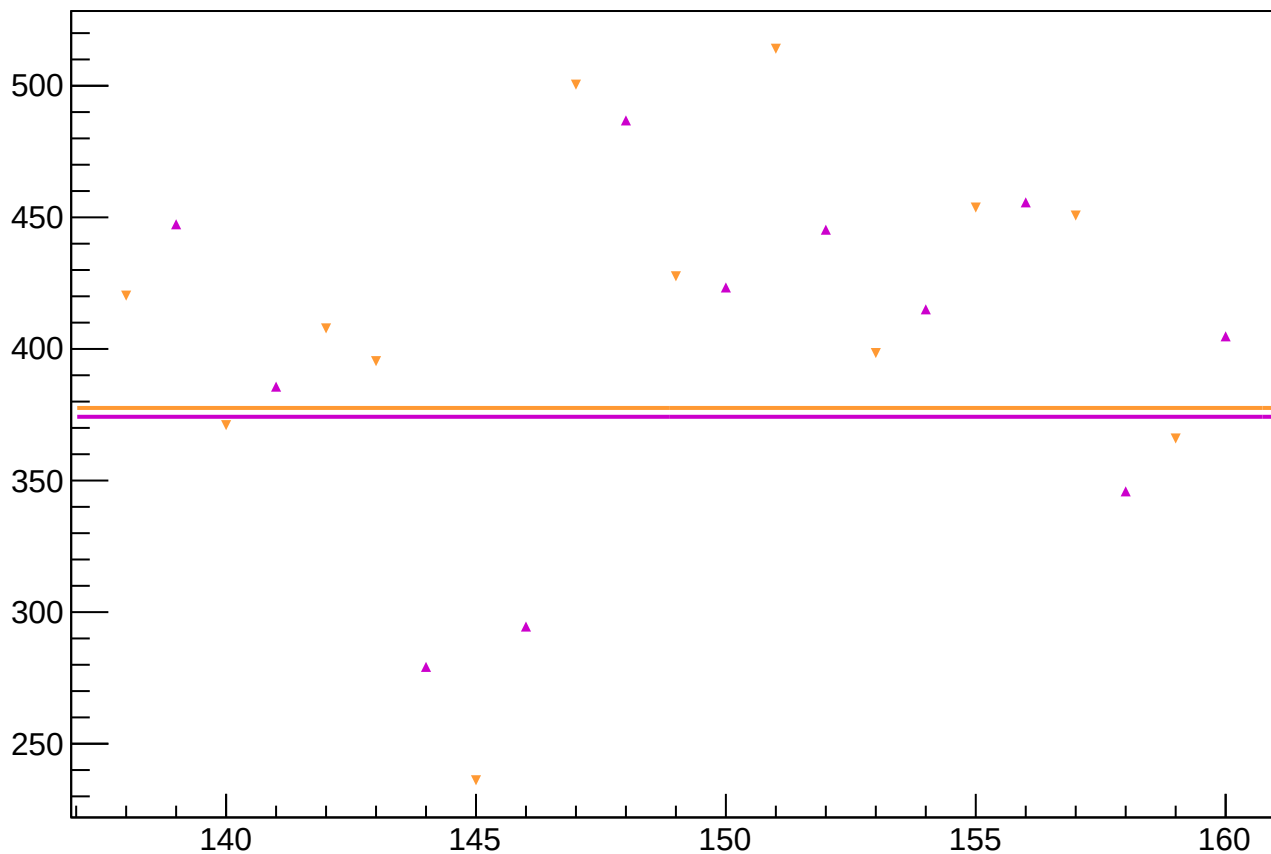
Left In: 181.848+/-127.661 χ^2/NDF : 16.8/10

195.693+/-129.736 χ^2/NDF : 20.5/11

188.659+/-90.994 χ^2/NDF : 37.3/22

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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 377.586+/-0.092 χ^2/NDF : 880707.0/11

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

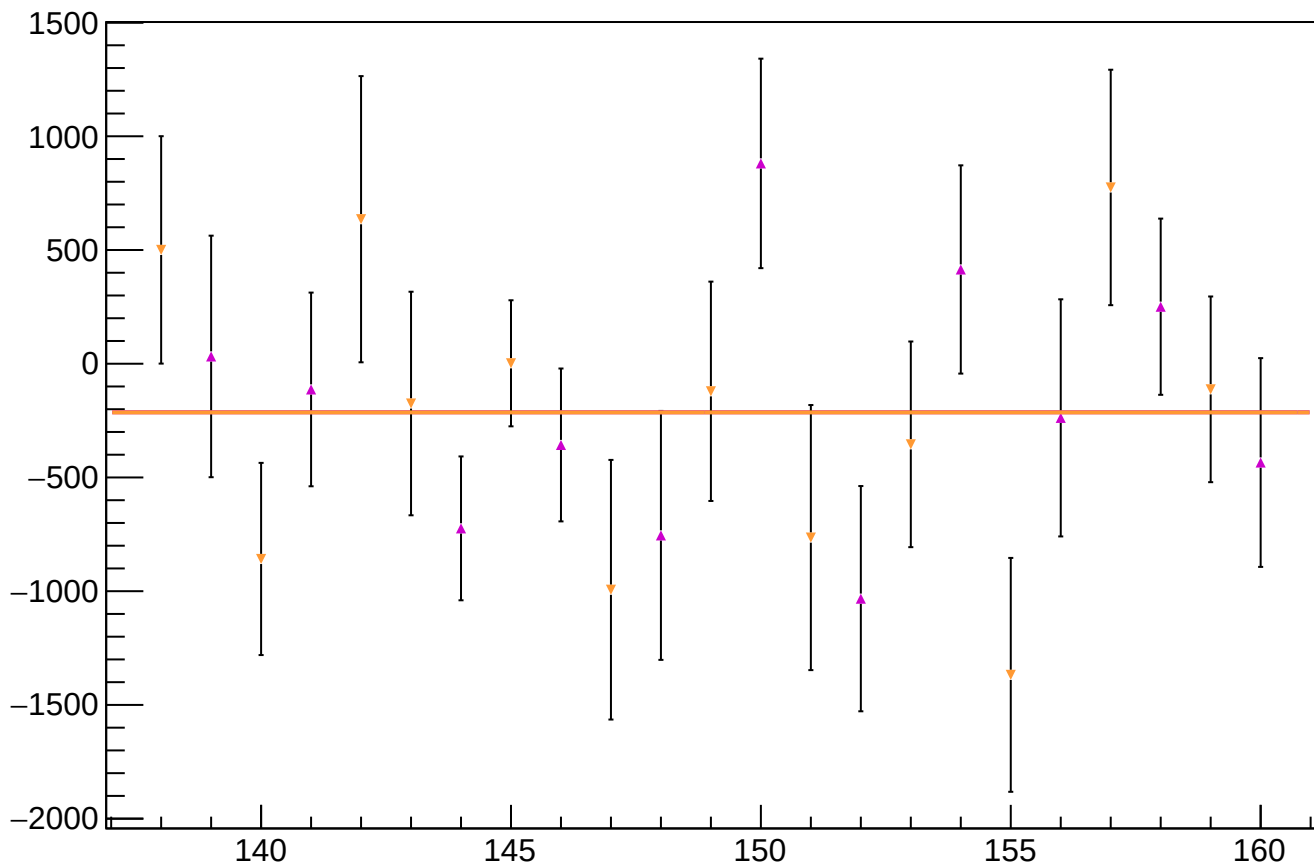
Left In: 374.225+/-0.090 χ^2/NDF : 579165.8/10

377.586+/-0.092 χ^2/NDF : 880707.0/11

375.879+/-0.064 χ^2/NDF : 1460554.7/22

374.225+/-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: -213.963+/-131.280 χ^2/NDF :18.4/11

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

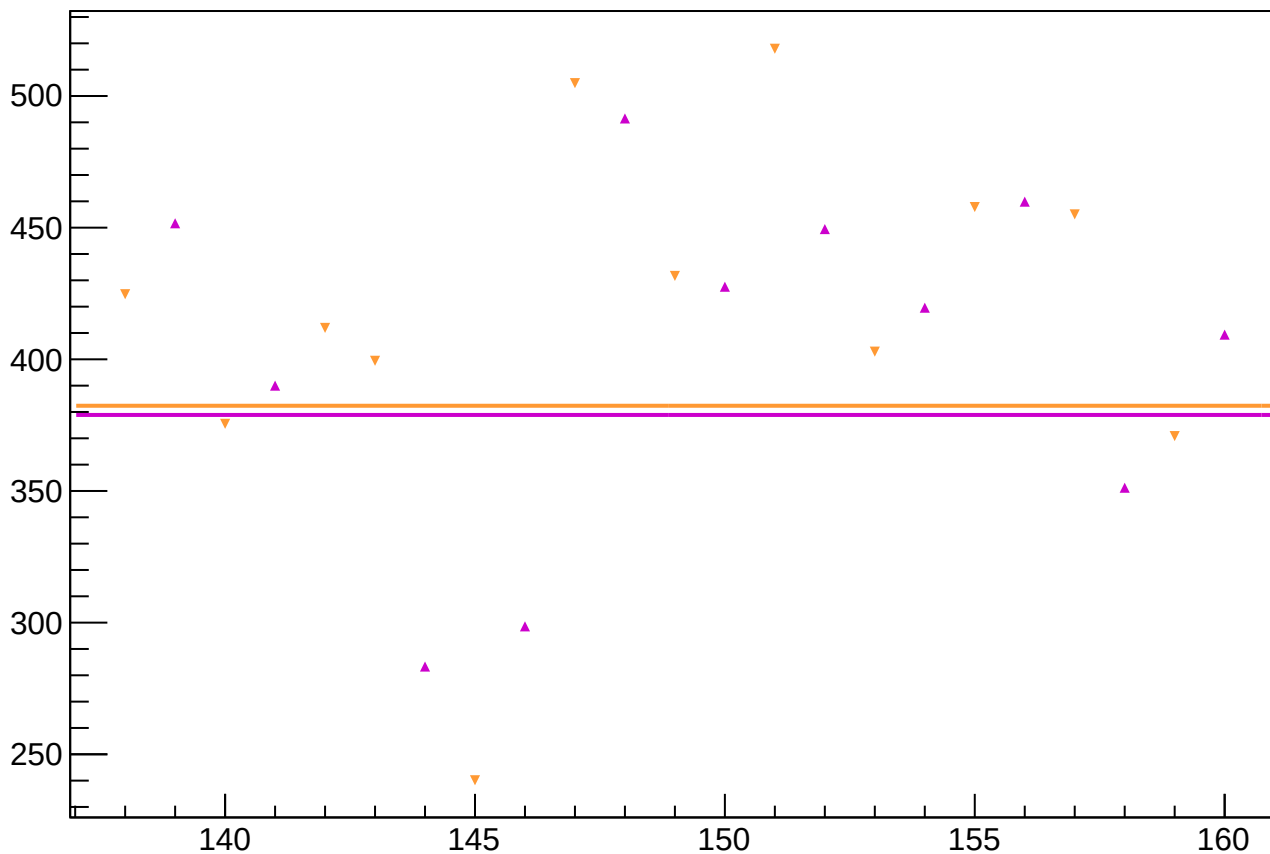
Left In: -213.283+/-129.183 χ^2/NDF :16.0/10

-213.963+/-131.280 χ^2/NDF : 18.4/11

-213.618+/-92.079 χ^2/NDF : 34.4/22

-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: 382.366+/-0.093 χ^2/NDF : 858208.6/11

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

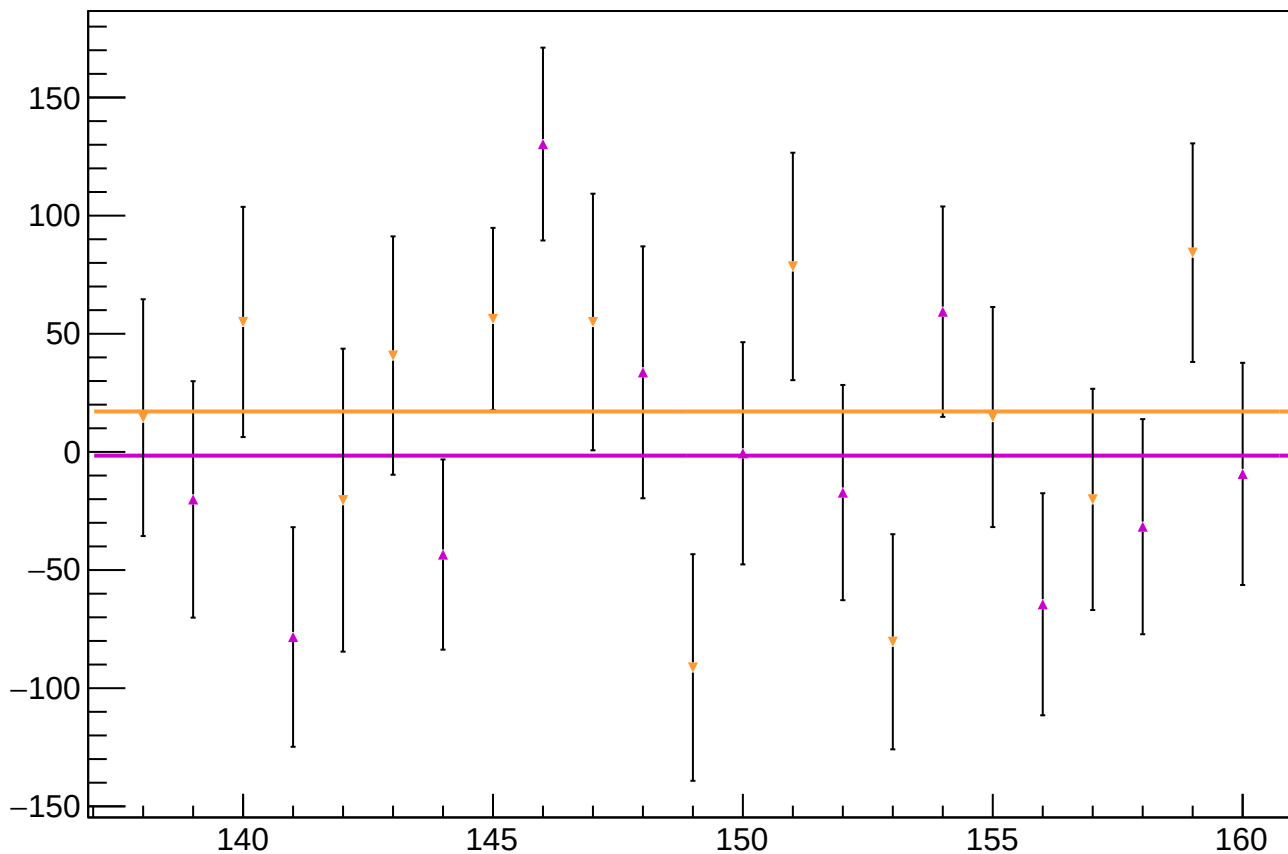
Left In: 378.873+/-0.091 χ^2/NDF : 566580.8/10

382.366+/-0.093 χ^2/NDF : 858208.6/11

380.591+/-0.065 χ^2/NDF : 1425508.6/22

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: 17.116+/-13.865 χ^2/NDF : 16.7/11

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

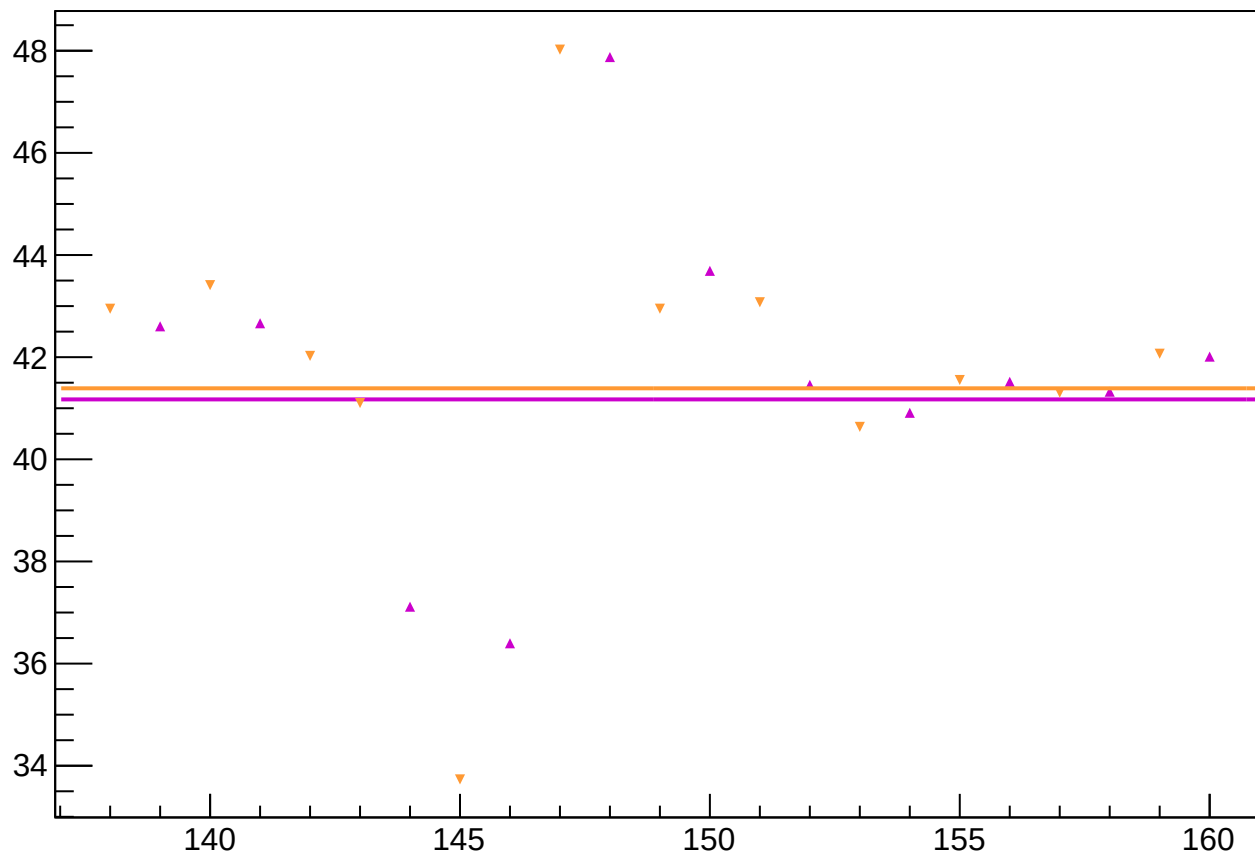
Left In: -1.578+/-13.790 χ^2/NDF : 19.1/10

17.116+/-13.865 χ^2/NDF : 16.7/11

7.718+/-9.777 χ^2/NDF : 36.7/22

-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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 41.390+/-0.010 χ^2/NDF :120009.1/11

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

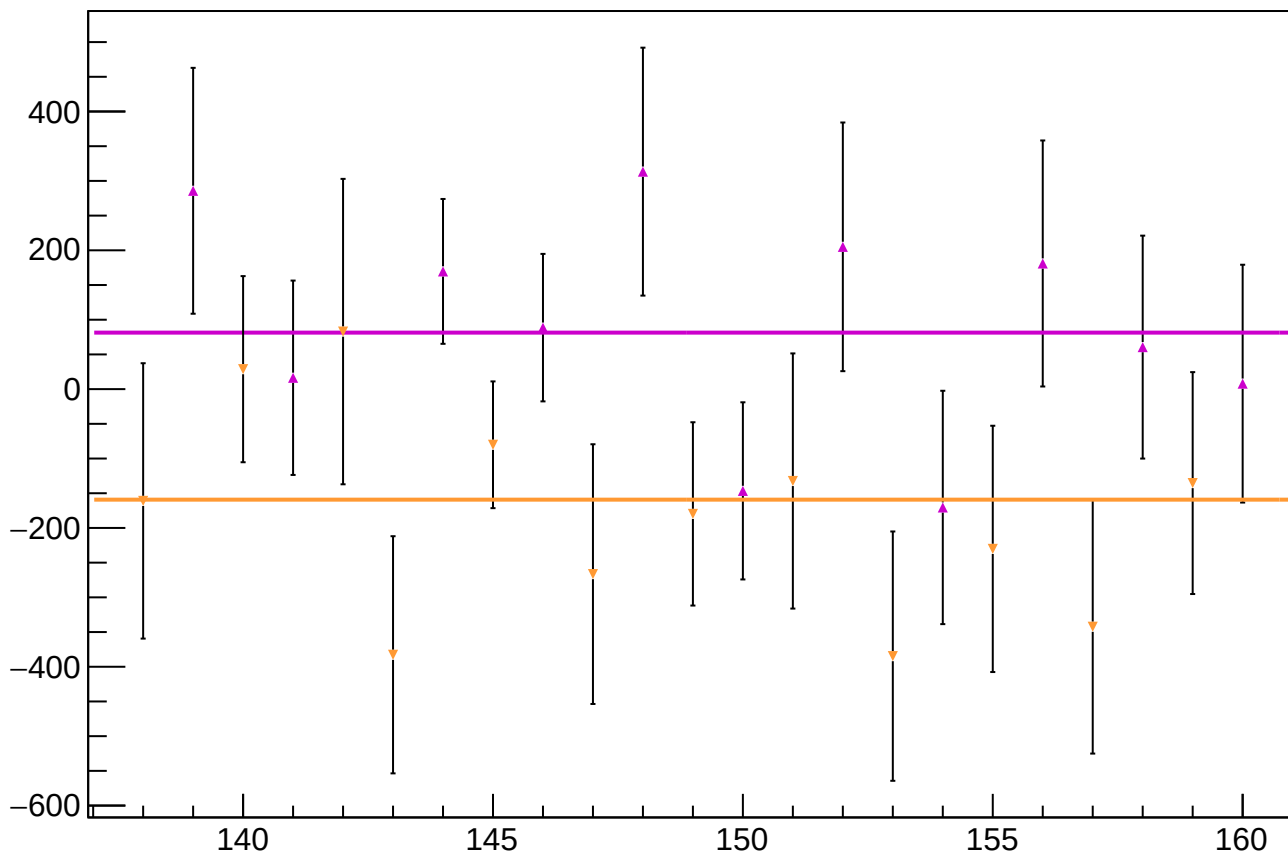
Left In: 41.173+/-0.010 χ^2/NDF :89697.7/10

41.390+/-0.010 χ^2/NDF : 120009.1/11

41.281+/-0.007 χ^2/NDF : 209953.1/22

41.173+/-0.010 χ^2/NDF : 89697.7/10

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -159.240 $\pm$ 44.576 χ^2 /NDF: 8.8/11

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

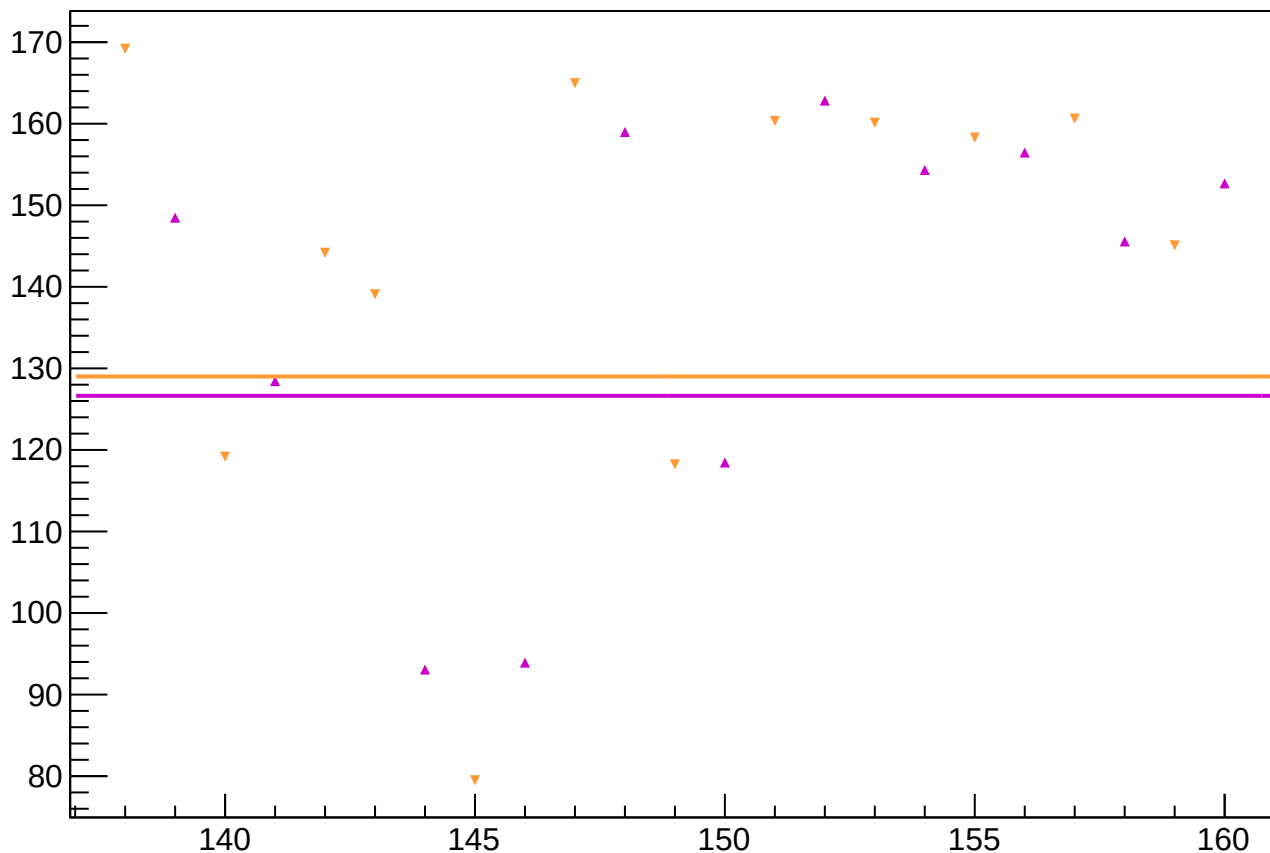
Left In: 81.410 $\pm$ 43.548 χ^2 /NDF: 10.4/10

-159.240 $\pm$ 44.576 χ^2 /NDF: 8.8/11

-36.110 $\pm$ 31.150 χ^2 /NDF: 34.1/22

81.410 $\pm$ 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: 129.007+/-0.032 χ^2/NDF : 1037424.6/11

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

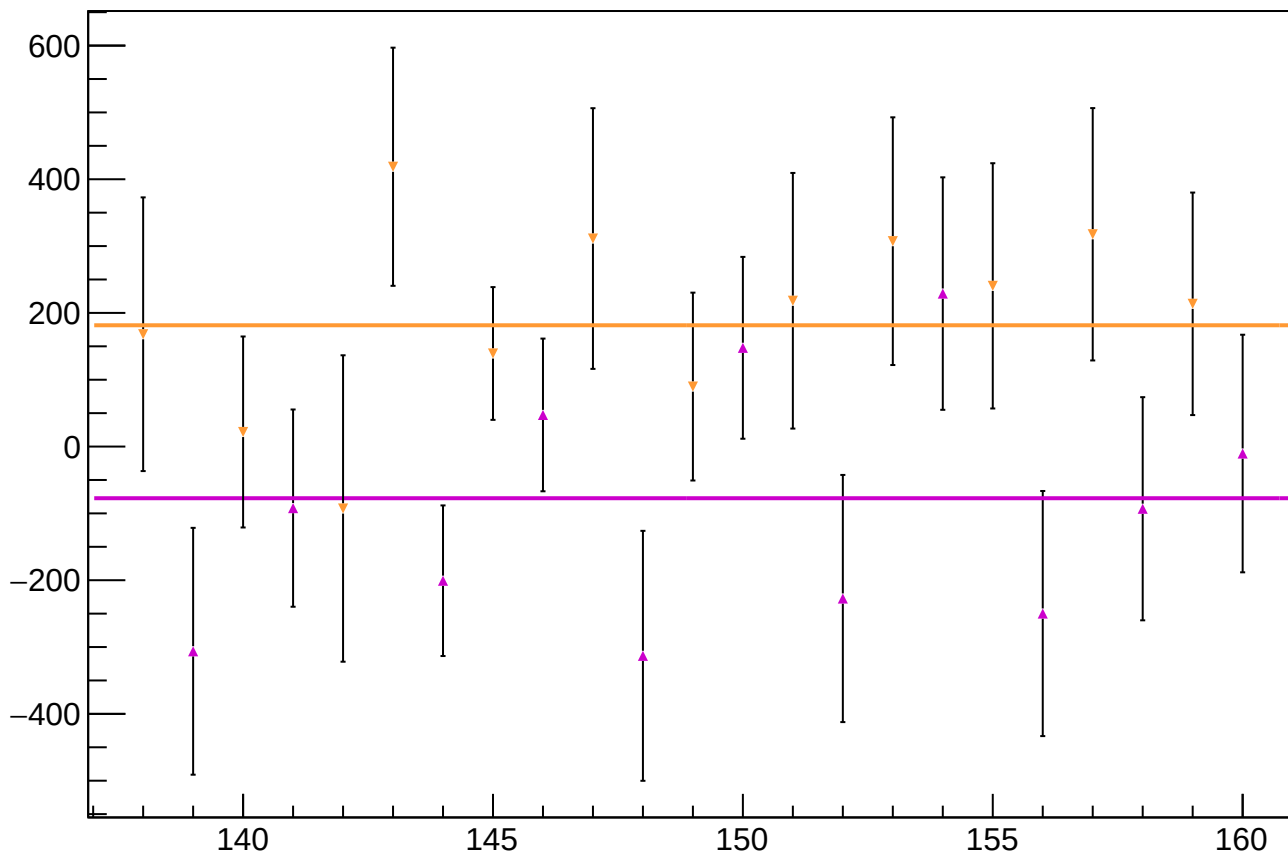
Left In: 126.637+/-0.031 χ^2/NDF : 767756.4/10

129.007+/-0.032 χ^2/NDF : 1037424.6/11

127.795+/-0.022 χ^2/NDF : 1808073.8/22

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: 181.498+/-47.043 χ^2/NDF : 6.7/11

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

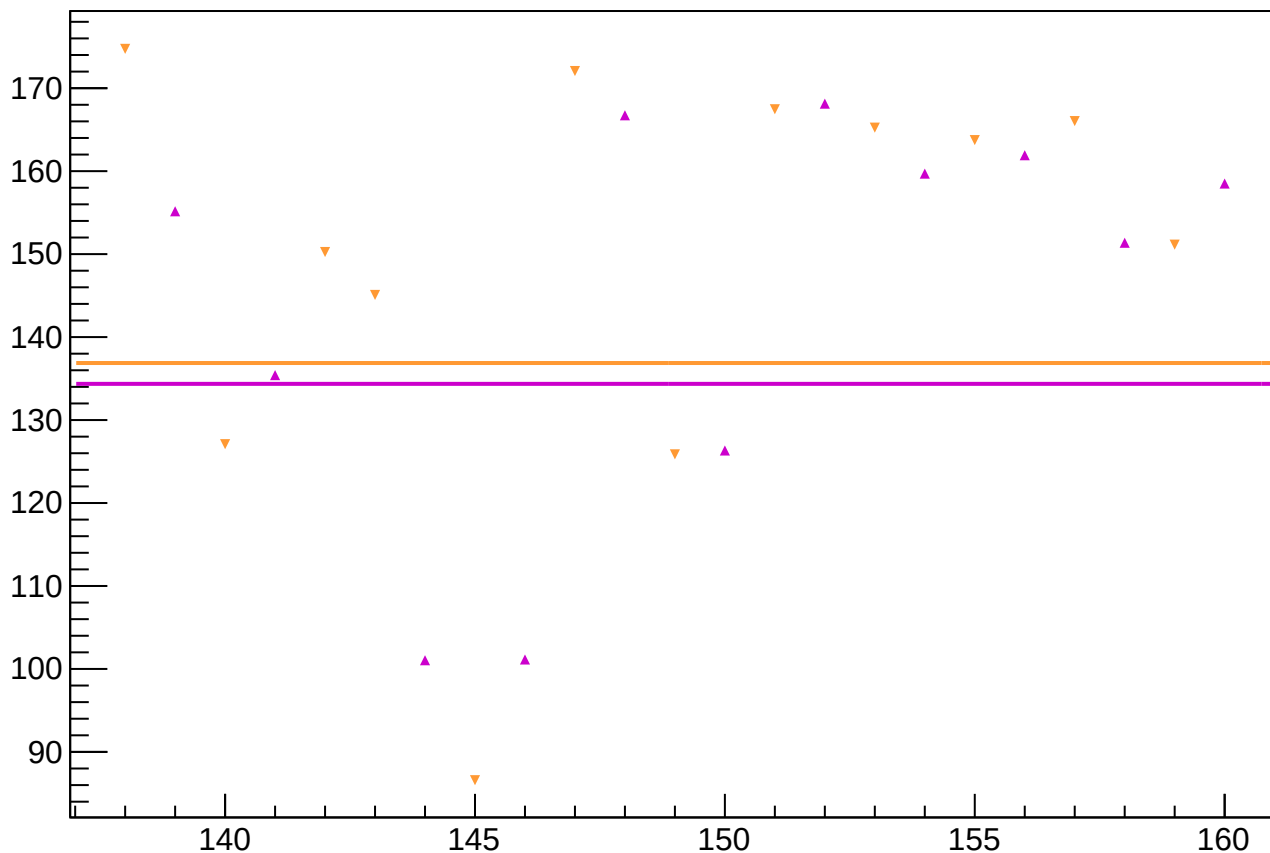
Left In: -77.309+/-45.992 χ^2/NDF : 13.1/10

181.498+/-47.043 χ^2/NDF : 6.7/11

49.172+/-32.886 χ^2/NDF : 35.2/22

-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: 136.874+/-0.033 χ^2/NDF : 882081.0/11

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

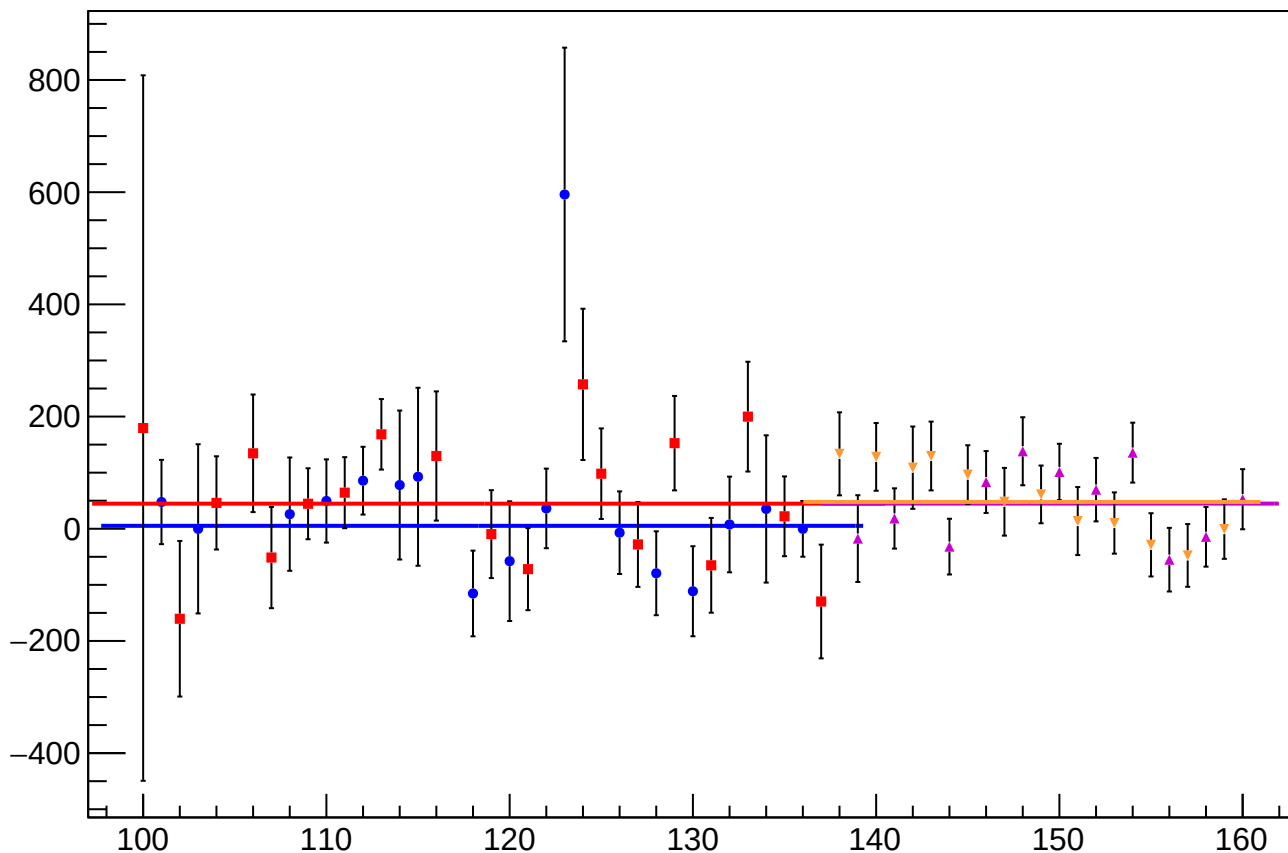
Left In: 134.362+/-0.033 χ^2/NDF : 648276.9/10

136.874+/-0.033 χ^2/NDF : 882081.0/11

135.590+/-0.023 χ^2/NDF : 1533273.4/22

134.362+/-0.033 χ^2/NDF : 648276.9/10

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 47.822 $\pm$ 16.849 χ^2 /NDF:12.9/11

Right Out: 44.715 $\pm$ 19.410 χ^2 /NDF: 24.4/18

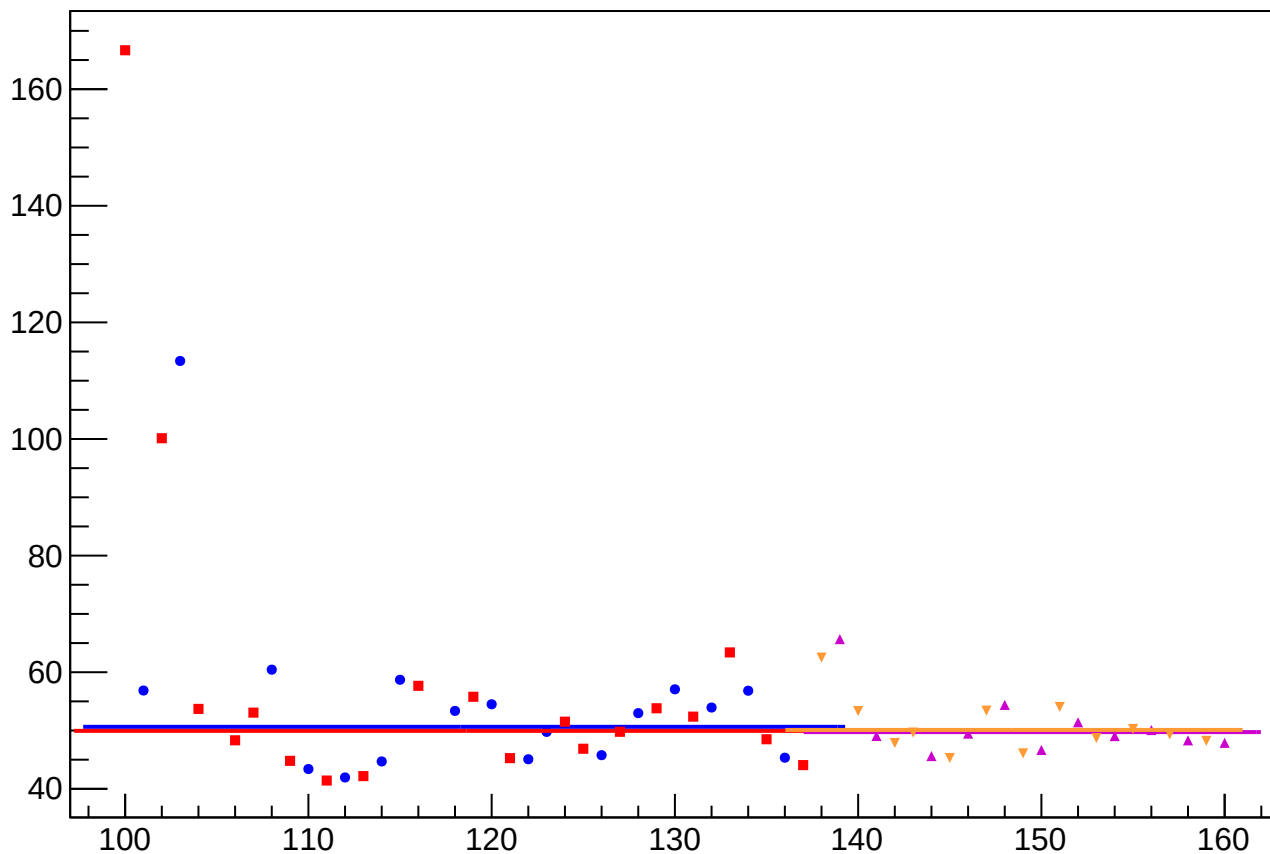
Left In: 44.860 $\pm$ 16.687 χ^2 /NDF:14.8/10

30.292 $\pm$ 12.926 χ^2 /NDF: 30.2/28

37.699 $\pm$ 9.042 χ^2 /NDF: 70.1/58

44.798 $\pm$ 12.654 χ^2 /NDF: 39.2/29

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 50.101 $\pm$ 0.012 χ^2 /NDF:111699.8/11

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

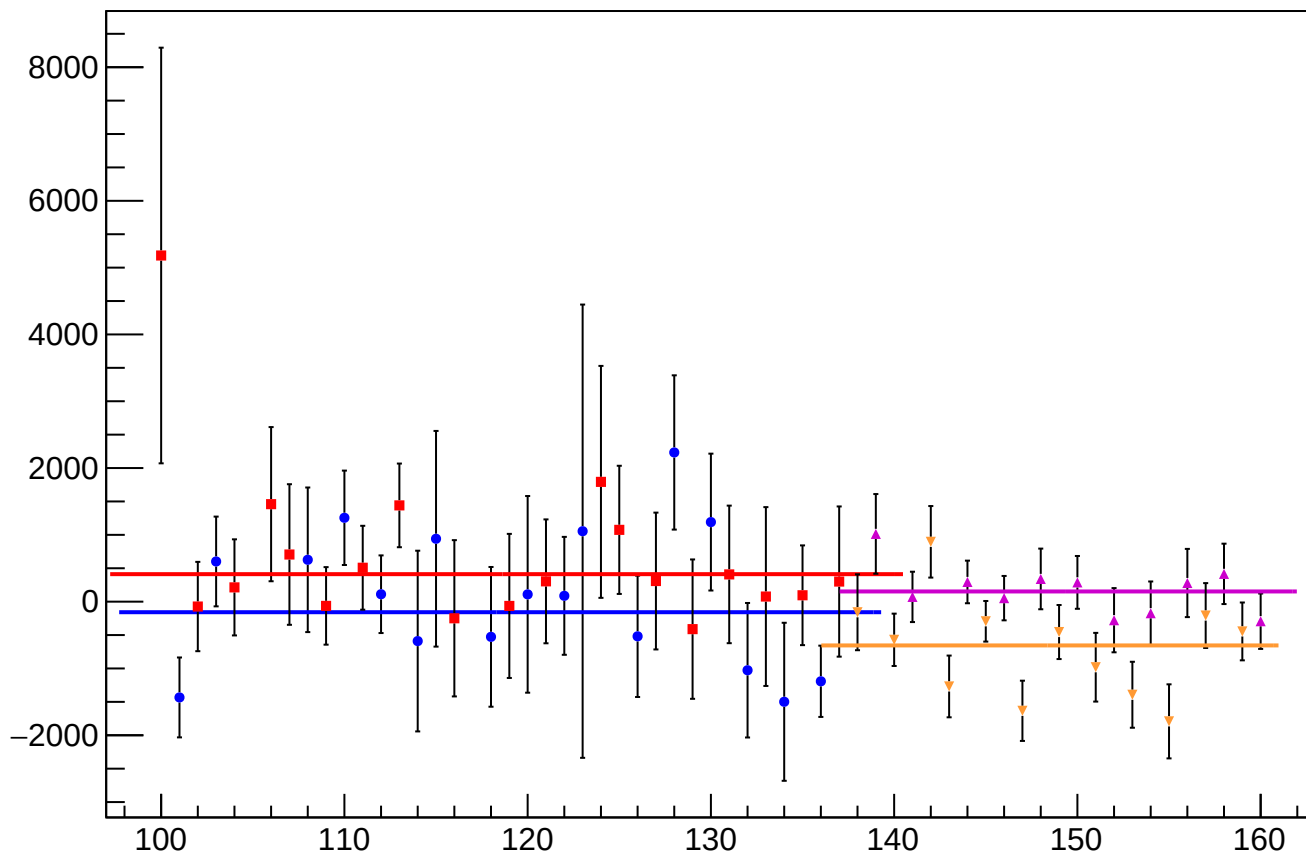
Left In: 49.731 $\pm$ 0.012 χ^2 /NDF:124344.0/10

50.321 $\pm$ 0.009 χ^2 /NDF: 632211.4/28

50.066 $\pm$ 0.006 χ^2 /NDF: 1258708.4/58

49.821 $\pm$ 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: -655.278 $\pm$ 128.713 χ^2 /NDF:25.3/11

Right Out: 411.611 $\pm$ 203.633 χ^2 /NDF: 9.8/18

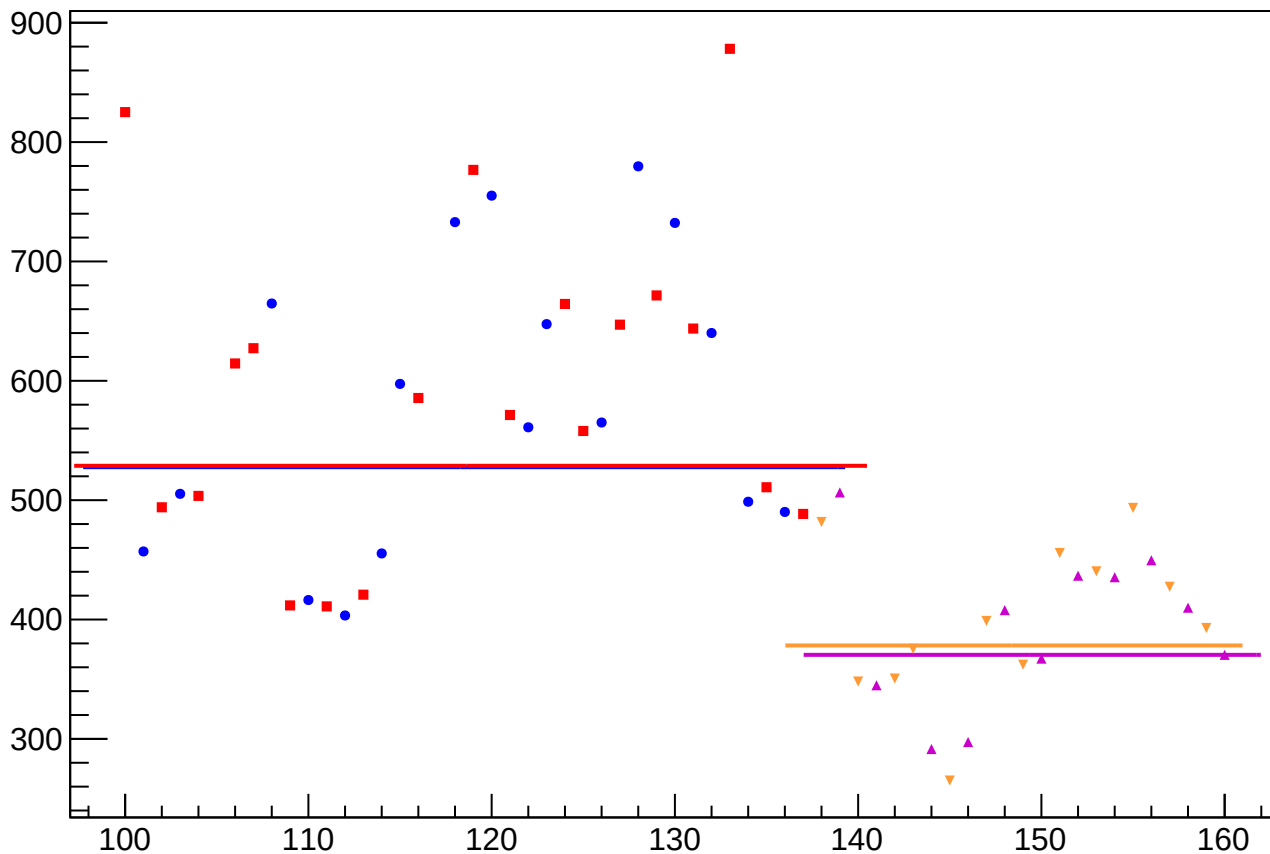
Left In: 152.656 $\pm$ 125.690 χ^2 /NDF:5.5/10

-519.651 $\pm$ 109.766 χ^2 /NDF: 52.8/28

-138.138 $\pm$ 76.604 χ^2 /NDF: 92.8/58

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 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 378.288 $\pm$ 0.091 χ^2 /NDF: 554594.6/11

Right Out: 528.806 $\pm$ 0.144 χ^2 /NDF: 623364.6/18

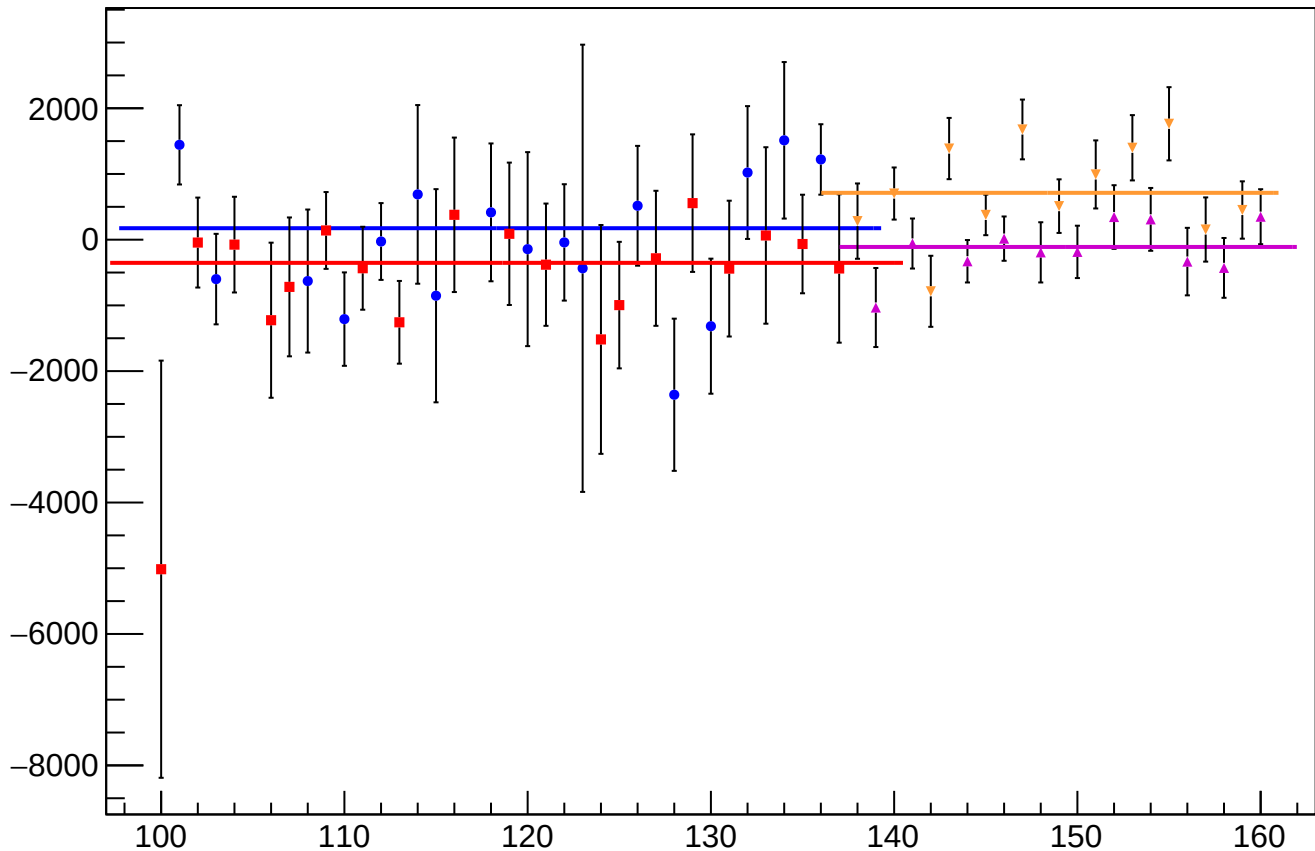
Left In: 370.415 $\pm$ 0.089 χ^2 /NDF: 485000.9/10

419.028 $\pm$ 0.078 χ^2 /NDF: 1846684.8/28

416.506 $\pm$ 0.054 χ^2 /NDF: 3833319.3/58

414.111 $\pm$ 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: 713.006 $\pm$ 129.945 χ^2/NDF : 23.7/11

Right Out: -352.570 $\pm$ 205.204 χ^2/NDF : 8.4/18

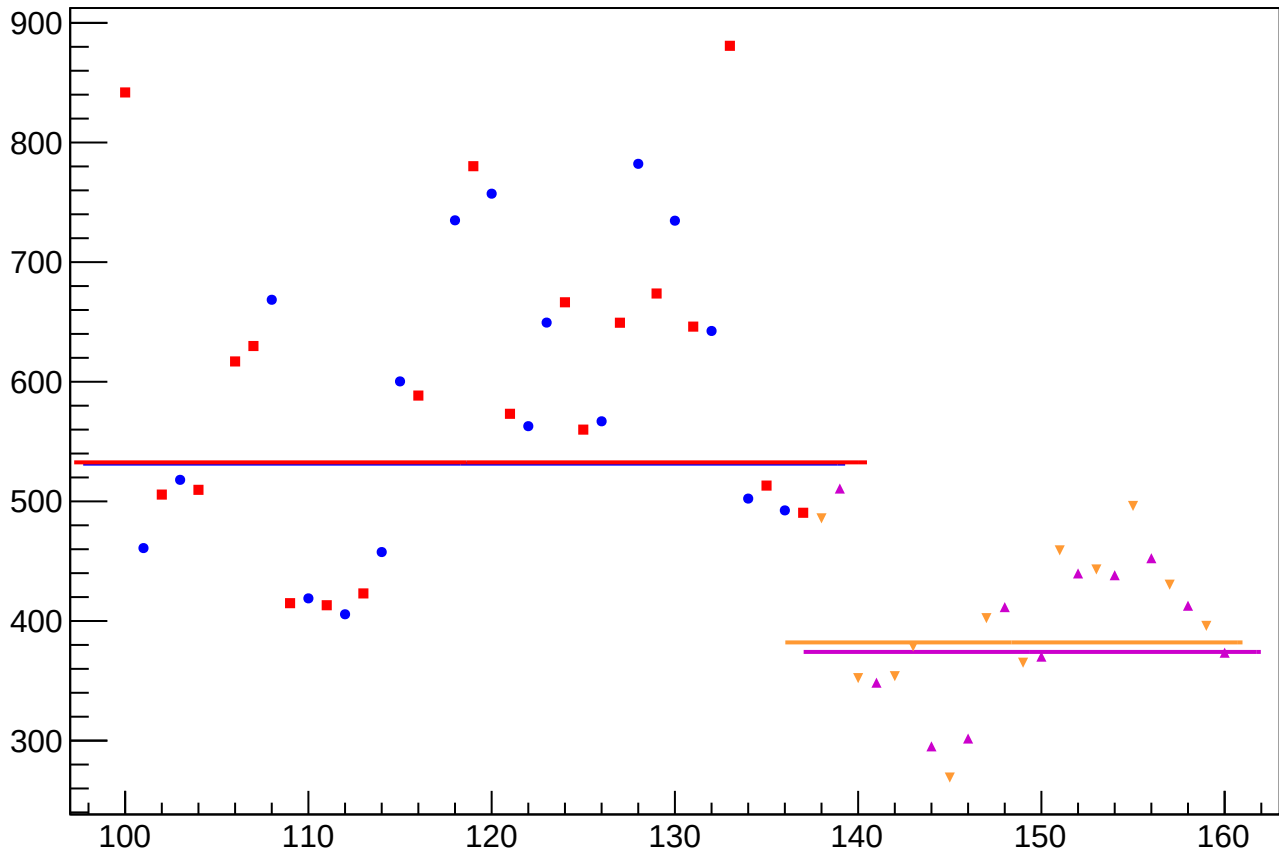
Left In: -110.582 $\pm$ 126.901 χ^2/NDF : 6.6/10

565.627 $\pm$ 110.741 χ^2/NDF : 52.1/28

184.499 $\pm$ 77.293 χ^2/NDF : 91.2/58

-177.526 $\pm$ 107.930 χ^2/NDF : 16.0/29

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 +/- 0.150 χ^2/NDF : 550087.6/16

Left Out: 382.100 +/- 0.092 χ^2/NDF : 537465.7/11

Right Out: 532.620 +/- 0.145 χ^2/NDF : 615746.2/18

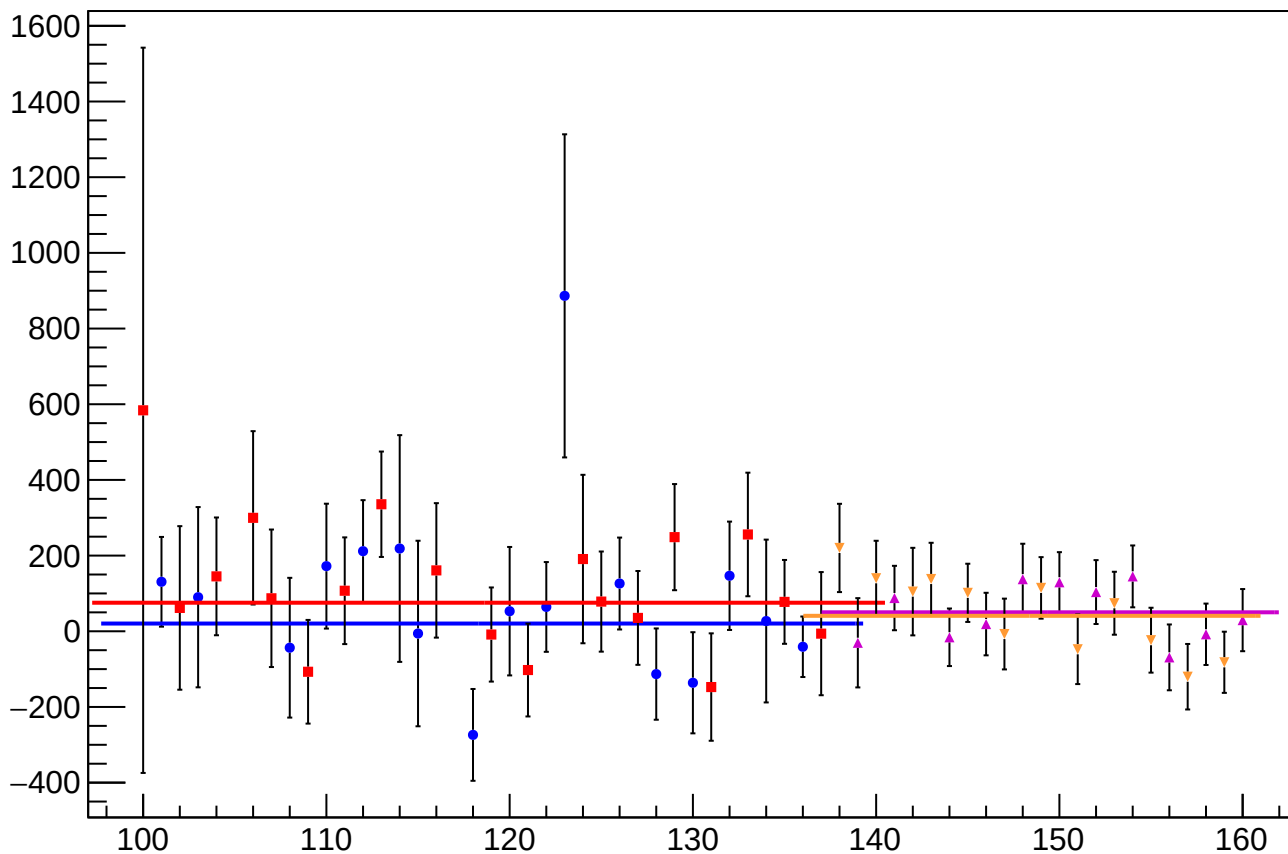
Left In: 374.151 +/- 0.090 χ^2/NDF : 471295.1/10

423.011 +/- 0.078 χ^2/NDF : 1811745.1/28

420.436 +/- 0.055 χ^2/NDF : 3763681.1/58

417.990 +/- 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: 40.859+/-26.000 χ^2/NDF :13.8/11

Right Out: 75.454+/-34.698 χ^2/NDF : 15.4/18

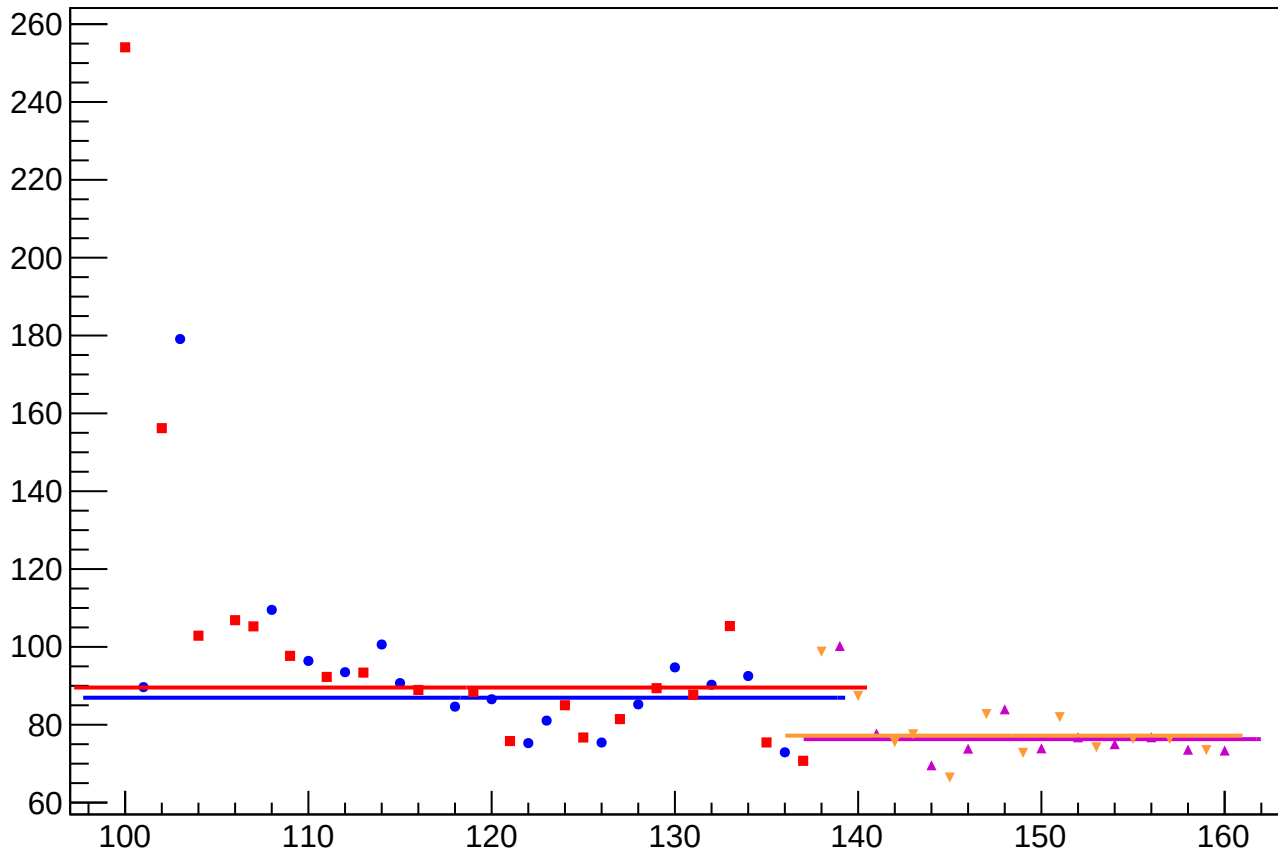
Left In: 50.145+/-25.619 χ^2/NDF :7.6/10

33.486+/-20.782 χ^2/NDF : 33.3/28

46.386+/-14.634 χ^2/NDF : 57.5/58

59.075+/-20.610 χ^2/NDF : 23.4/29

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 77.202 $\pm$ 0.018 χ^2 /NDF: 154756.9/11

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

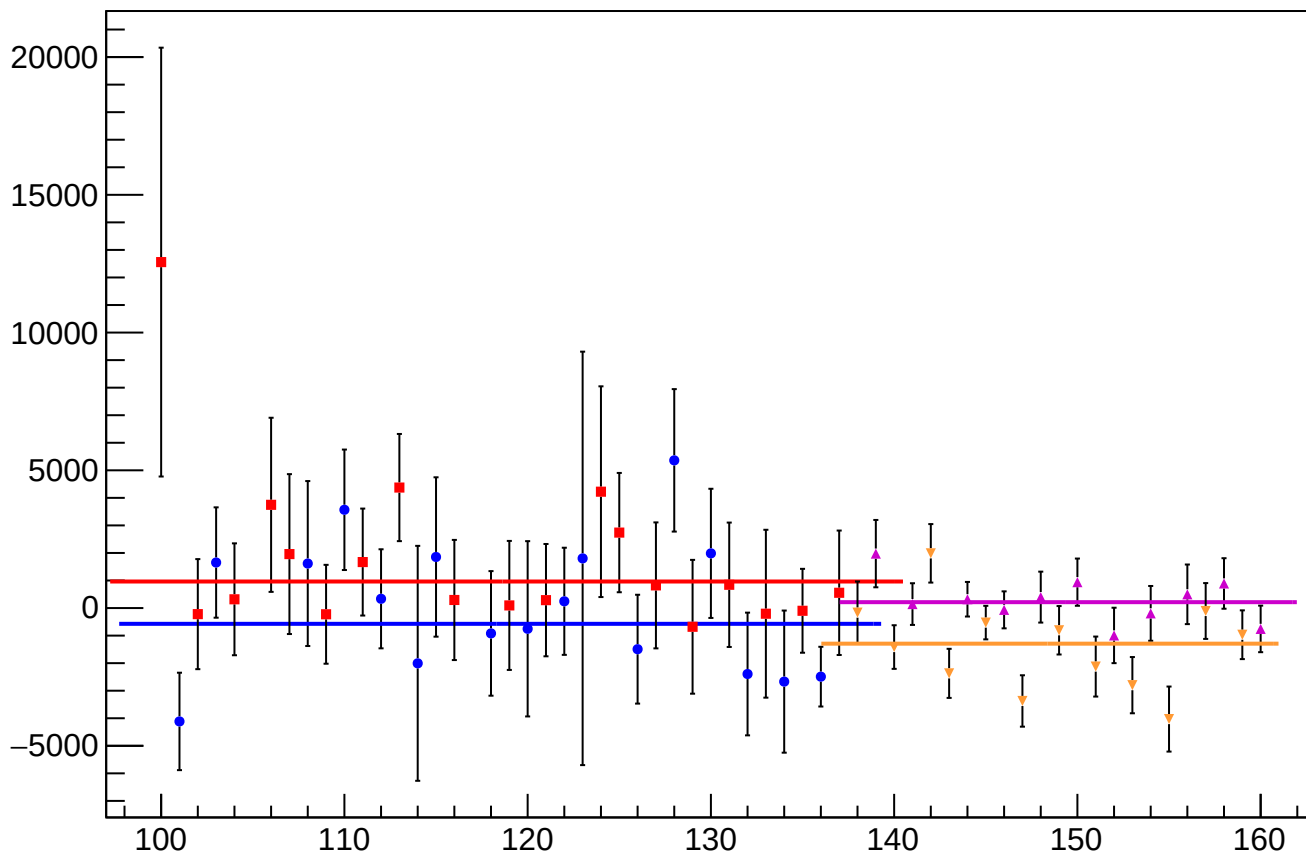
Left In: 76.302 $\pm$ 0.018 χ^2 /NDF: 120824.4/10

80.719 $\pm$ 0.015 χ^2 /NDF: 711939.5/28

80.851 $\pm$ 0.010 χ^2 /NDF: 1453143.0/58

80.980 $\pm$ 0.015 χ^2 /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: -1292.538 $\pm$ 263.146 χ^2 /NDF: 28.5/11

Right Out: 963.846 $\pm$ 514.621 χ^2 /NDF: 10.1/18

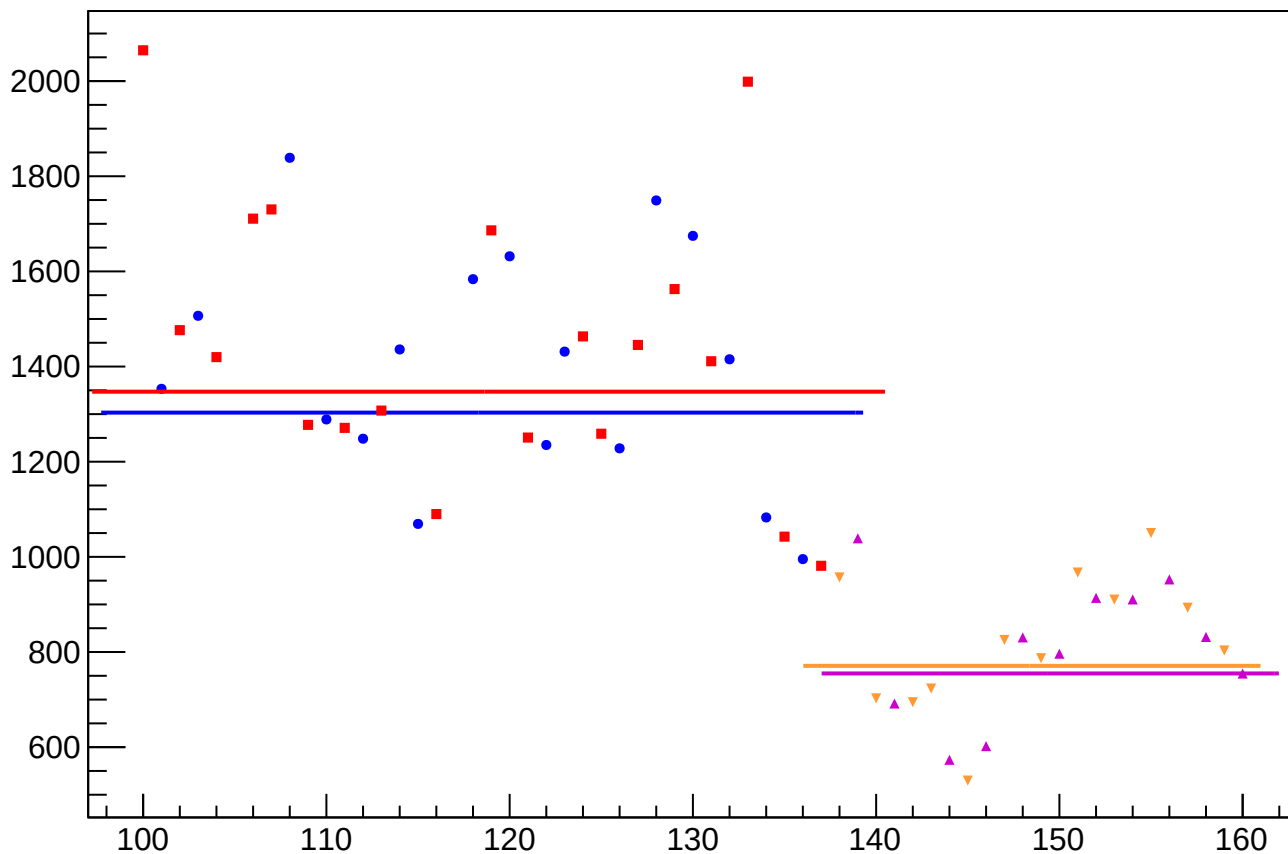
Left In: 213.824 $\pm$ 256.951 χ^2 /NDF: 6.6/10

-1144.359 $\pm$ 234.517 χ^2 /NDF: 51.9/28

-375.403 $\pm$ 164.168 χ^2 /NDF: 91.4/58

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: 770.931+/-0.186 χ^2/NDF : 652474.7/11

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

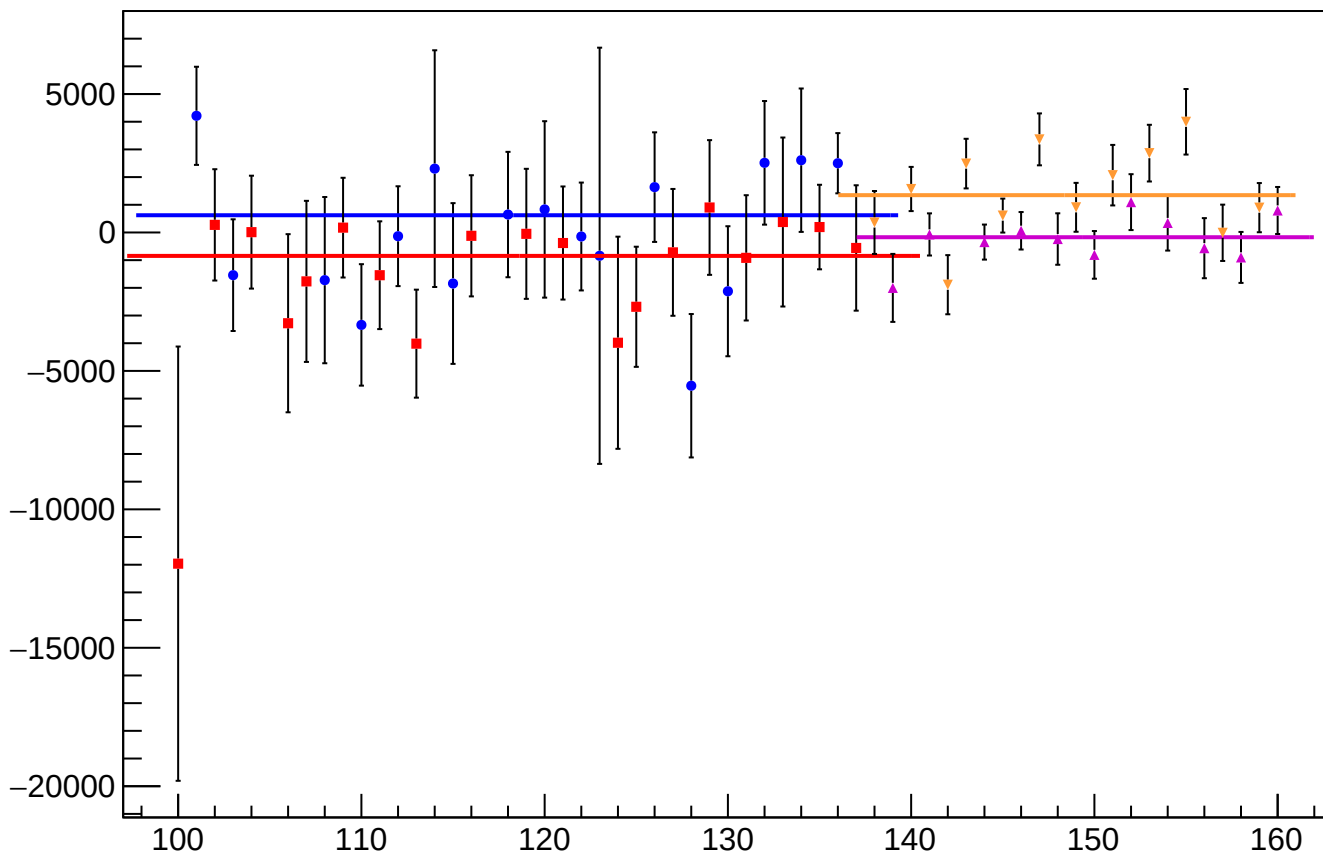
Left In: 754.947+/-0.182 χ^2/NDF : 590331.9/10

880.444+/-0.166 χ^2/NDF : 2788030.4/28

876.713+/-0.116 χ^2/NDF : 5920286.5/58

873.128+/-0.163 χ^2/NDF : 3131263.5/29

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 ± 518.496 $\chi^2/\text{NDF}: 22.0/16$

Left Out: 1347.477 ± 264.618 $\chi^2/\text{NDF}: 27.6/11$

Right Out: -846.021 ± 516.325 $\chi^2/\text{NDF}: 9.1/18$

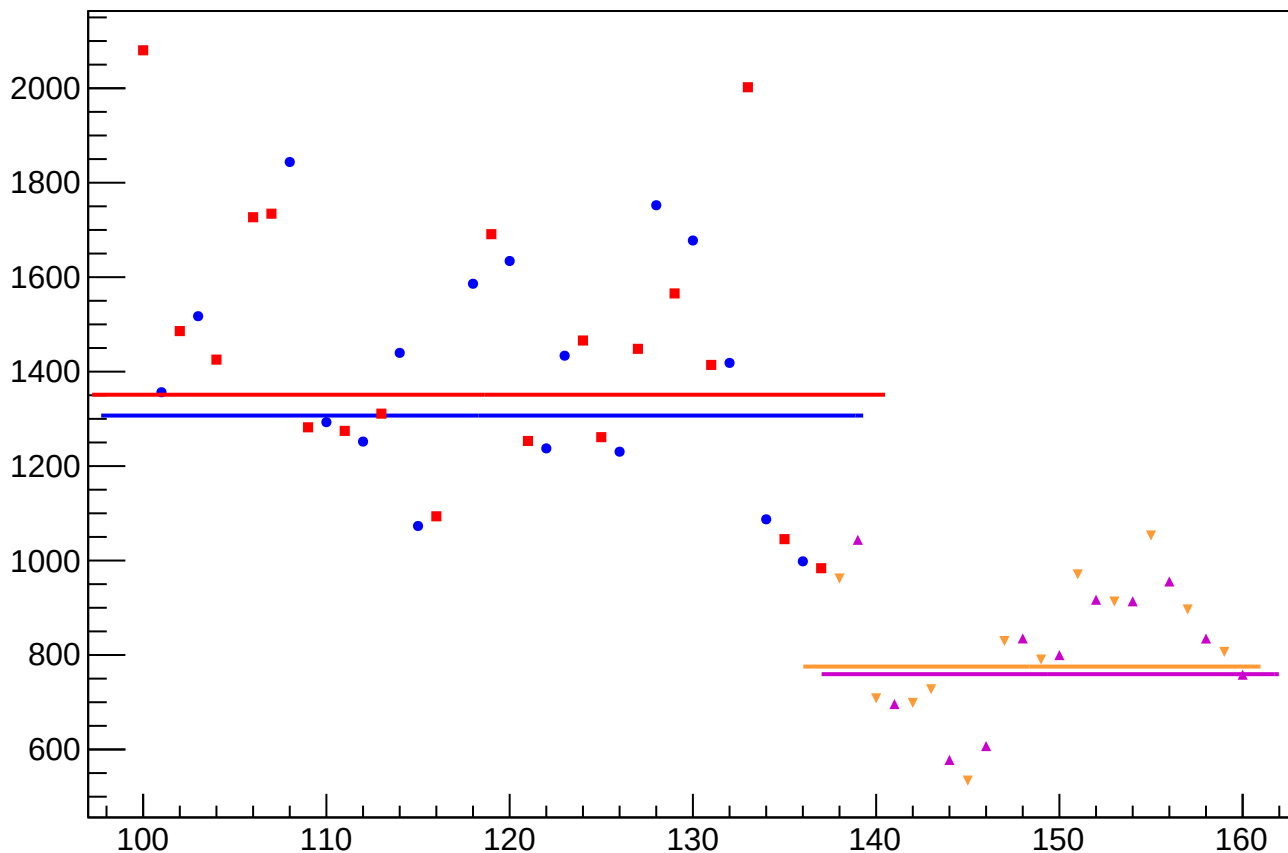
Left In: -171.610 ± 258.390 $\chi^2/\text{NDF}: 6.9/10$

1197.648 ± 235.697 $\chi^2/\text{NDF}: 51.1/28$

430.573 ± 165.003 $\chi^2/\text{NDF}: 89.2/58$

-306.683 ± 231.071 $\chi^2/\text{NDF}: 17.3/29$

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 775.497 $\pm$ 0.187 χ^2 /NDF: 641555.3/11

Right Out: 1351.096 $\pm$ 0.365 χ^2 /NDF: 421804.6/18

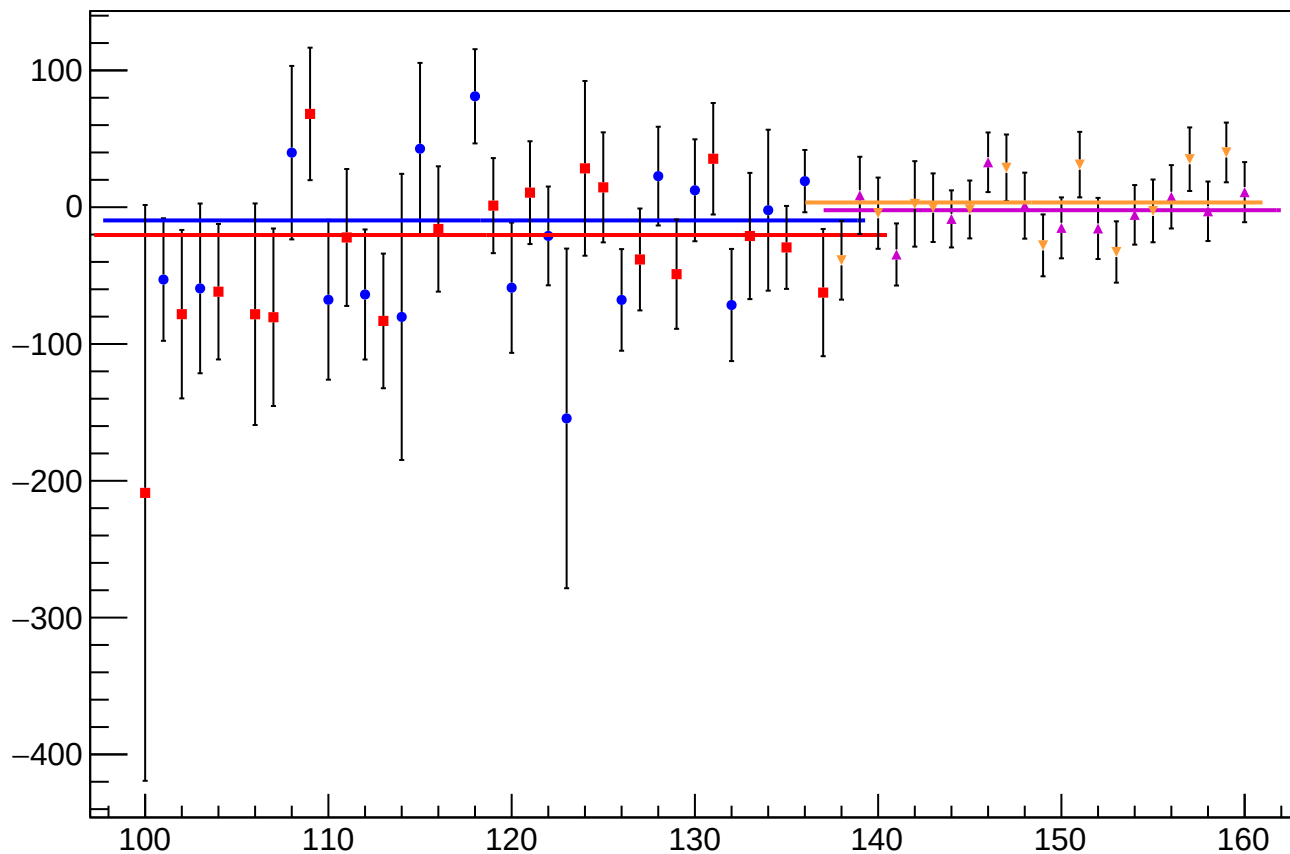
Left In: 759.414 $\pm$ 0.183 χ^2 /NDF: 580358.7/10

885.324 $\pm$ 0.167 χ^2 /NDF: 2759948.8/28

881.548 $\pm$ 0.117 χ^2 /NDF: 5863496.1/58

877.918 $\pm$ 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: 3.454 ± 6.940 χ^2/NDF : 14.0/11

Right Out: -20.335 ± 10.444 χ^2/NDF : 14.7/18

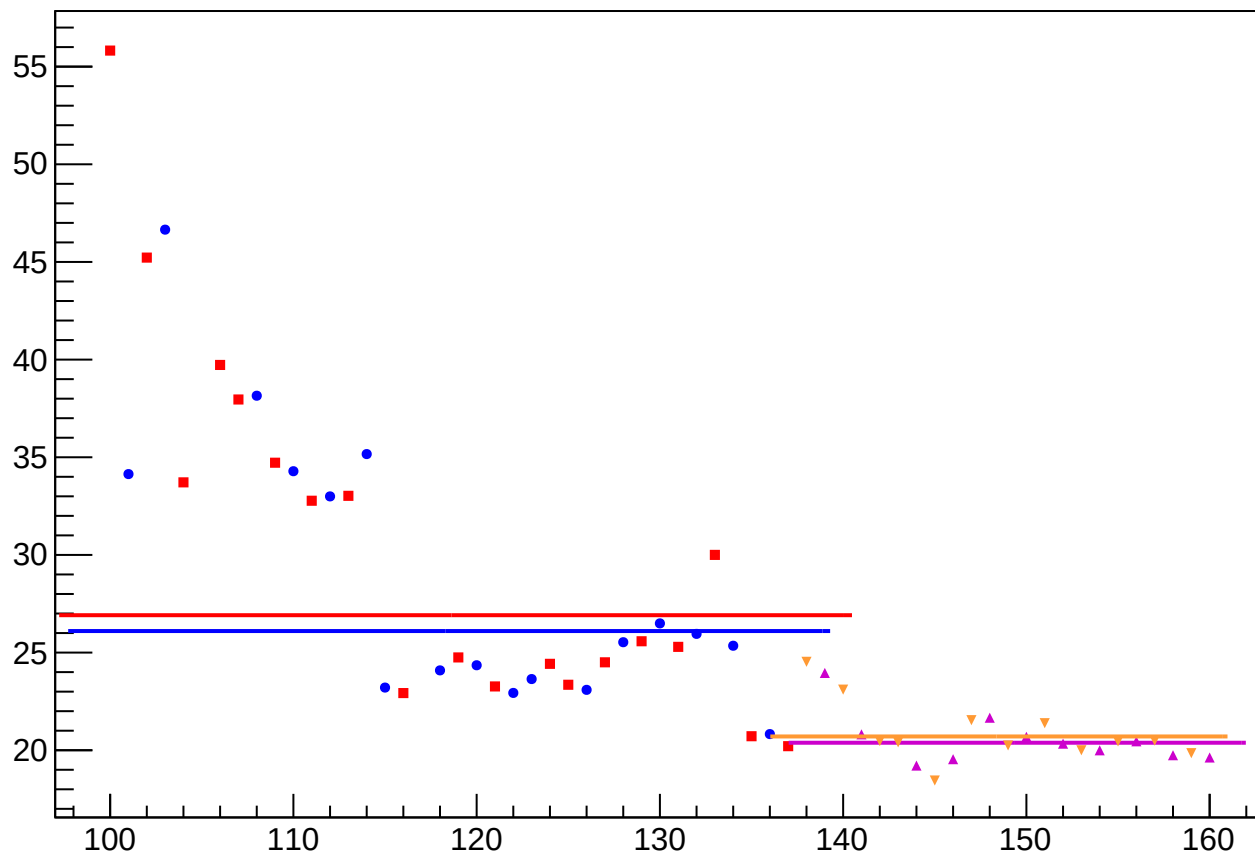
Left In: -2.205 ± 6.820 χ^2/NDF : 6.1/10

-0.585 ± 5.774 χ^2/NDF : 37.7/28

-4.144 ± 4.060 χ^2/NDF : 61.3/58

-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: 20.705+/-0.005 χ^2/NDF : 85652.8/11

Right Out: 26.914+/-0.007 χ^2/NDF : 678970.2/18

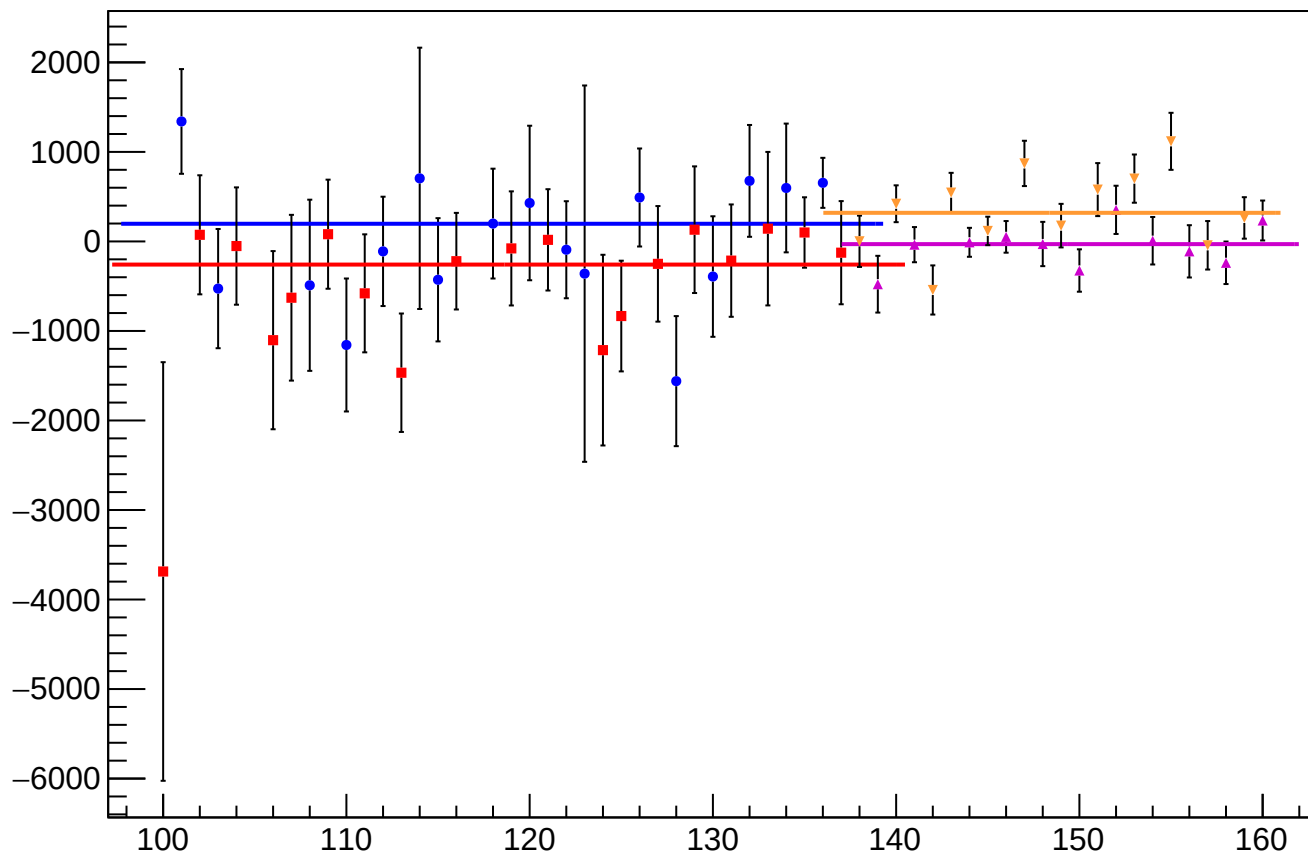
Left In: 20.384+/-0.005 χ^2/NDF : 52912.3/10

22.367+/-0.004 χ^2/NDF : 1061993.4/28

22.351+/-0.003 χ^2/NDF : 2342002.4/58

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 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 319.609 $\pm$ 69.177 χ^2 /NDF:30.0/11

Right Out: -258.537 $\pm$ 149.867 χ^2 /NDF: 10.7/18

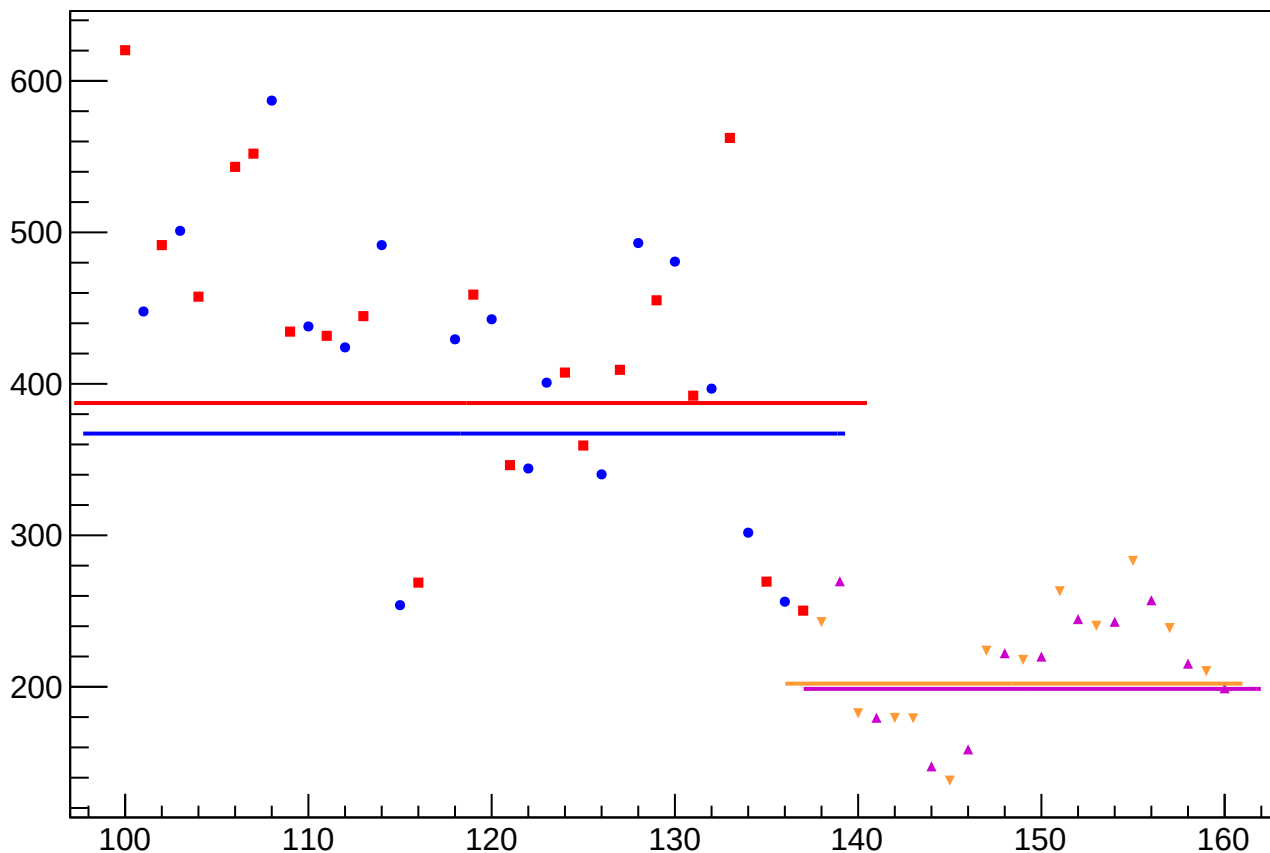
Left In: -30.046 $\pm$ 67.745 χ^2 /NDF:8.1/10

297.655 $\pm$ 62.660 χ^2 /NDF: 51.5/28

111.683 $\pm$ 43.975 χ^2 /NDF: 89.6/58

-68.813 $\pm$ 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: 202.113 $\pm$ 0.049 χ^2 /NDF: 734772.1/11

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

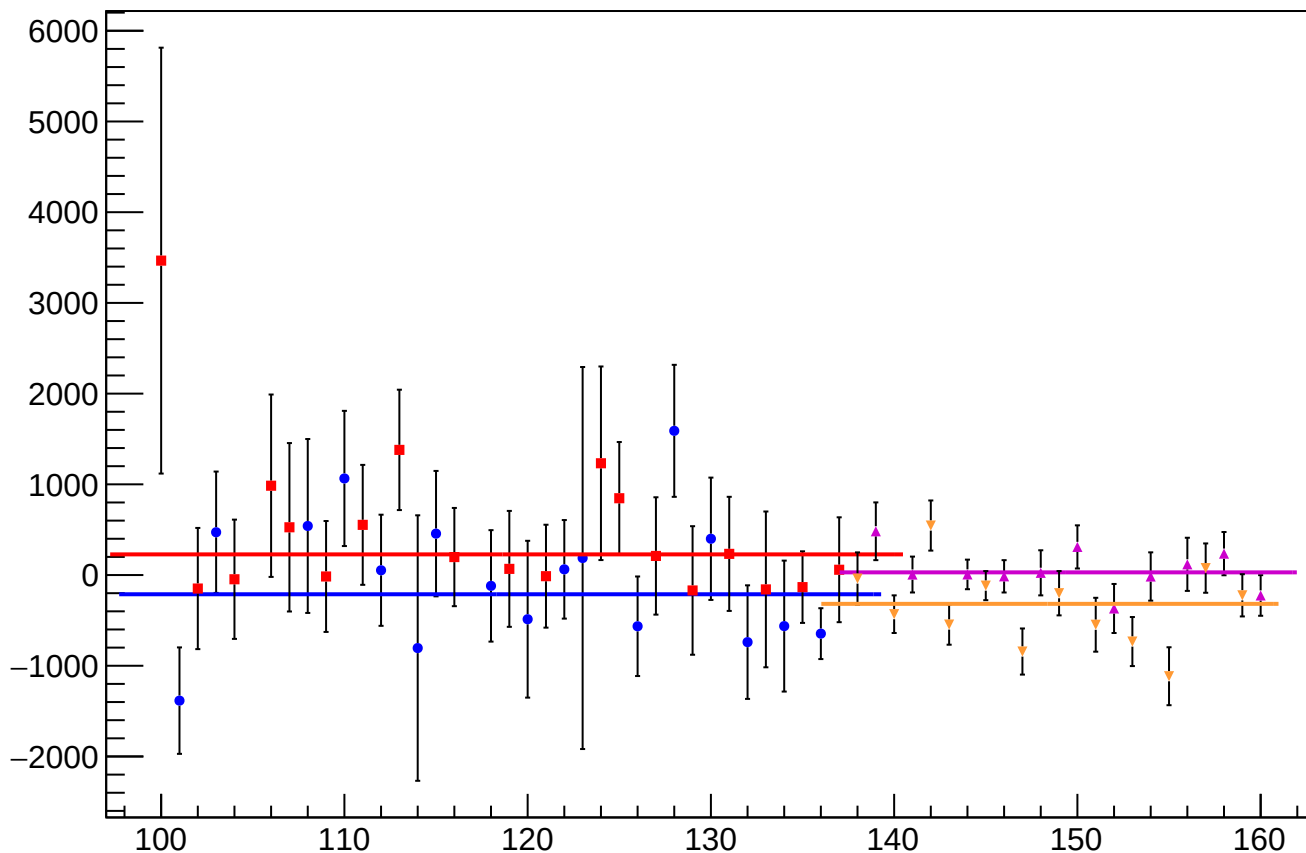
Left In: 198.623 $\pm$ 0.048 χ^2 /NDF: 660222.4/10

231.748 $\pm$ 0.044 χ^2 /NDF: 3606367.9/28

231.187 $\pm$ 0.031 χ^2 /NDF: 7674811.7/58

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 $\pm$ 148.316 χ^2/NDF : 21.0/16

Left Out: -317.607 $\pm$ 69.585 χ^2/NDF : 29.6/11

Right Out: 227.831 $\pm$ 150.317 χ^2/NDF : 10.1/18

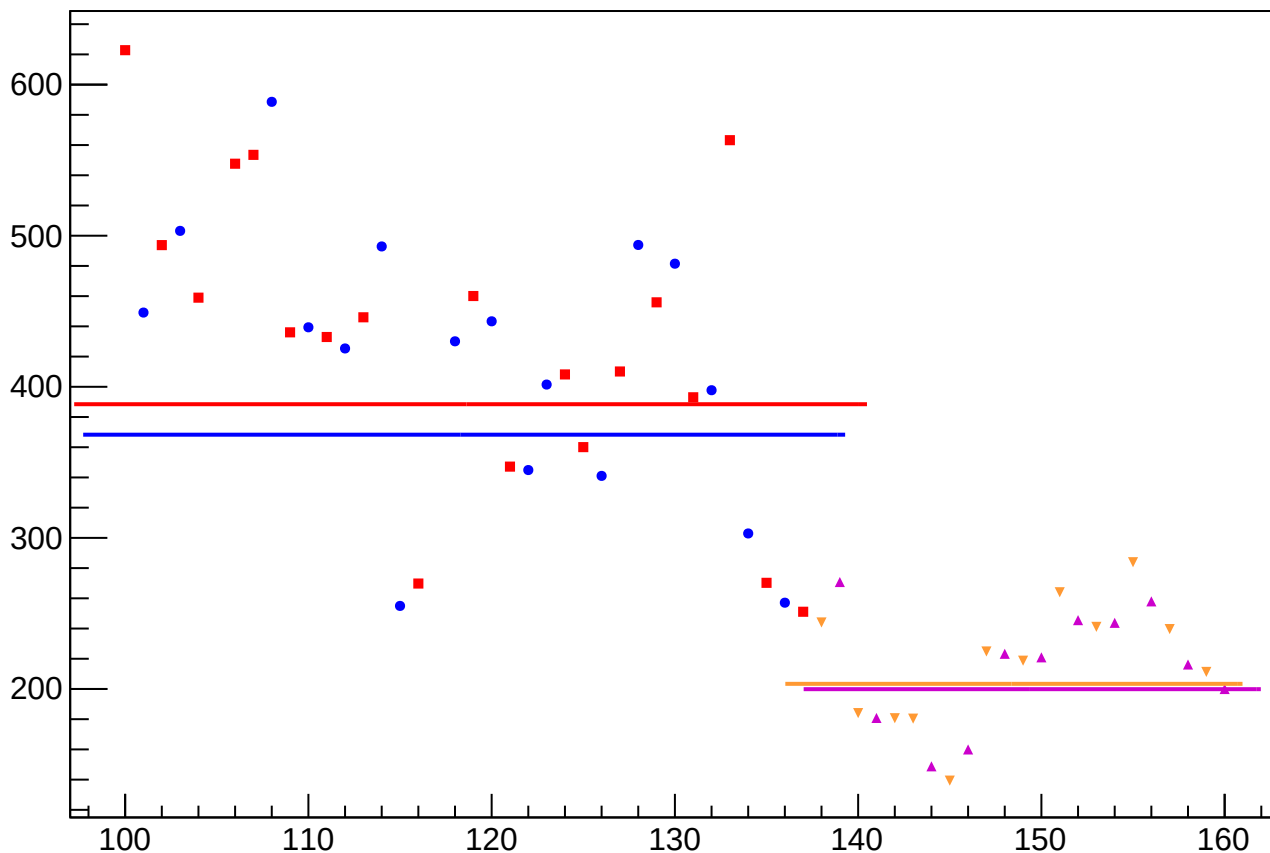
Left In: 29.574 $\pm$ 68.140 χ^2/NDF : 7.8/10

-298.529 $\pm$ 62.996 χ^2/NDF : 51.0/28

-114.876 $\pm$ 44.211 χ^2/NDF : 87.1/58

63.369 $\pm$ 62.061 χ^2/NDF : 19.3/29

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 $\pm$ 0.105 χ^2/NDF : 824619.2/16

Left Out: 203.399 $\pm$ 0.049 χ^2/NDF : 720489.7/11

Right Out: 388.472 $\pm$ 0.106 χ^2/NDF : 774717.2/18

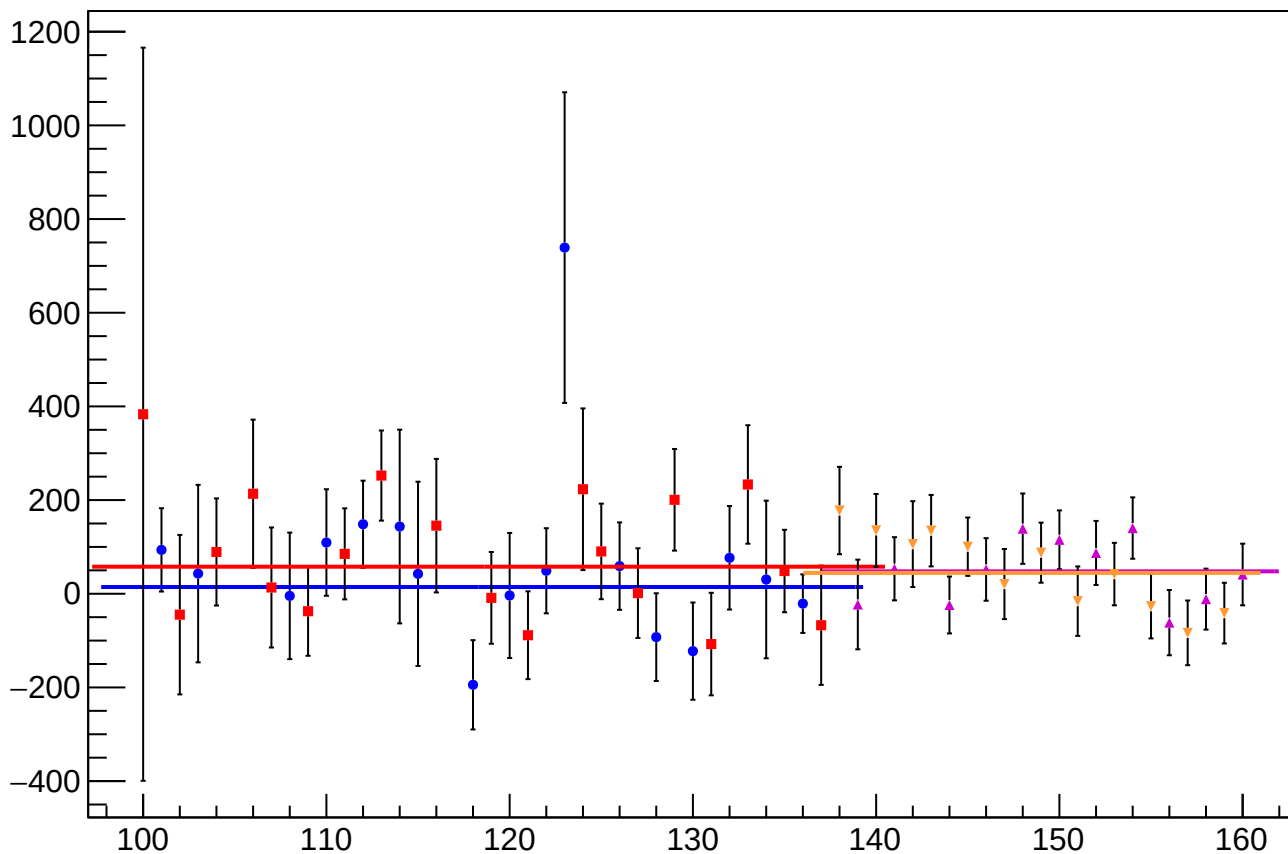
Left In: 199.866 $\pm$ 0.048 χ^2/NDF : 647266.6/10

233.148 $\pm$ 0.045 χ^2/NDF : 3571437.7/28

232.574 $\pm$ 0.031 χ^2/NDF : 7605691.5/58

232.017 $\pm$ 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: 44.515 $\pm$ 20.780 χ^2 /NDF:13.5/11

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

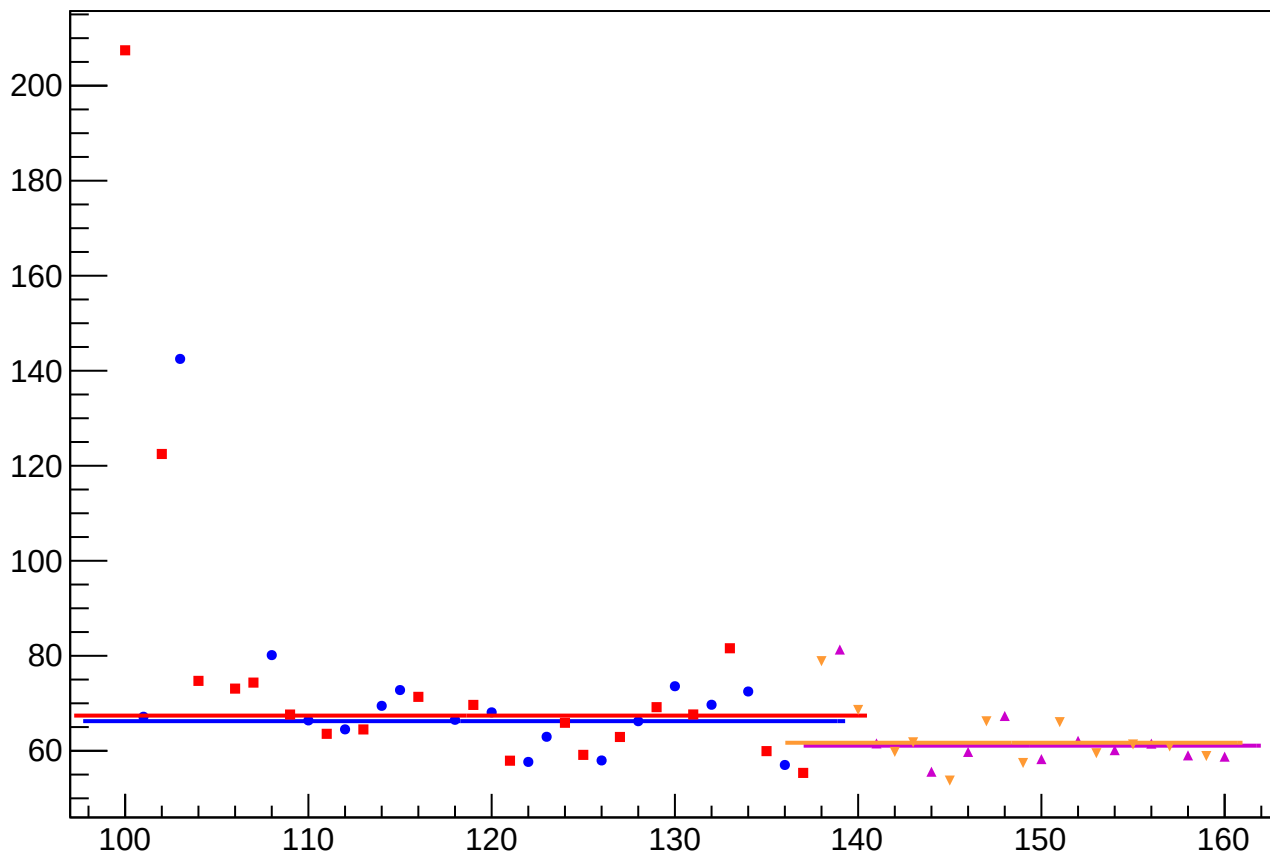
Left In: 47.866 $\pm$ 20.513 χ^2 /NDF:10.2/10

32.953 $\pm$ 16.313 χ^2 /NDF: 32.0/28

42.407 $\pm$ 11.471 χ^2 /NDF: 61.4/58

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: 61.701+/-0.015 χ^2/NDF :146274.2/11

Right Out: 67.415+/-0.018 χ^2/NDF : 393608.5/18

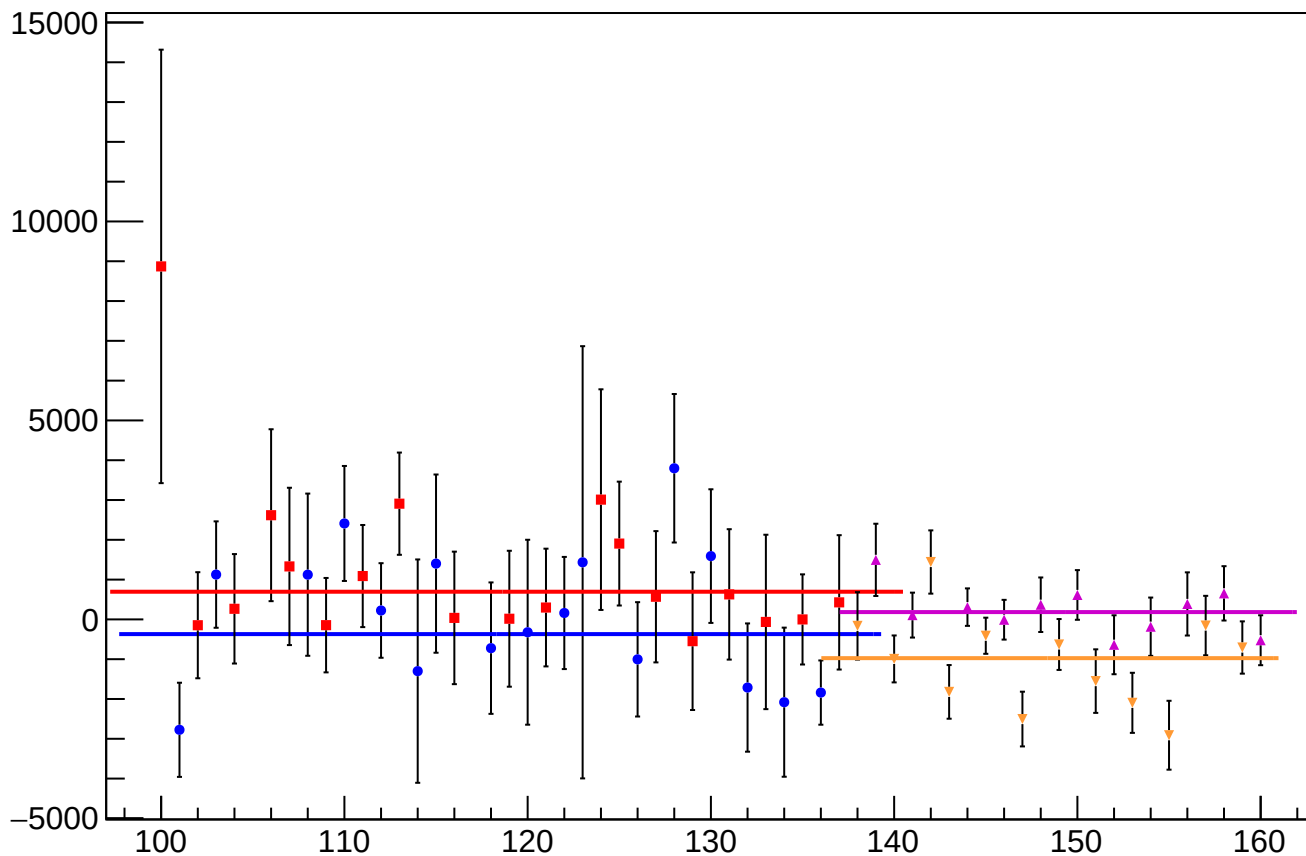
Left In: 61.084+/-0.015 χ^2/NDF :129856.1/10

63.445+/-0.012 χ^2/NDF : 623959.1/28

63.473+/-0.008 χ^2/NDF : 1220107.2/58

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: -973.825+/-195.257 χ^2/NDF : 27.6/11

Right Out: 695.425+/-361.887 χ^2/NDF : 9.9/18

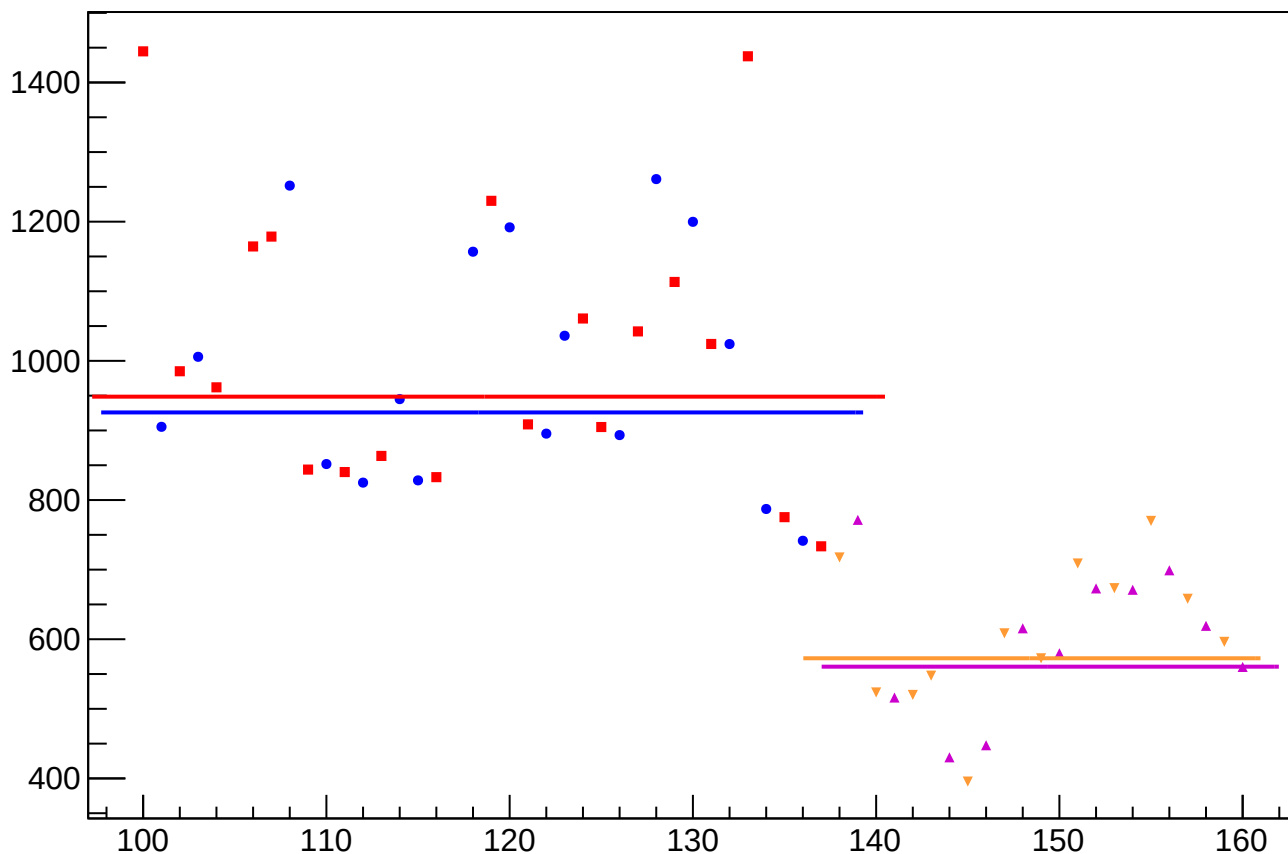
Left In: 183.806+/-190.608 χ^2/NDF : 6.2/10

-840.191+/-172.319 χ^2/NDF : 52.0/28

-260.408+/-120.528 χ^2/NDF : 91.9/58

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: 572.643 $\pm$ 0.138 χ^2 /NDF: 620583.1/11

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

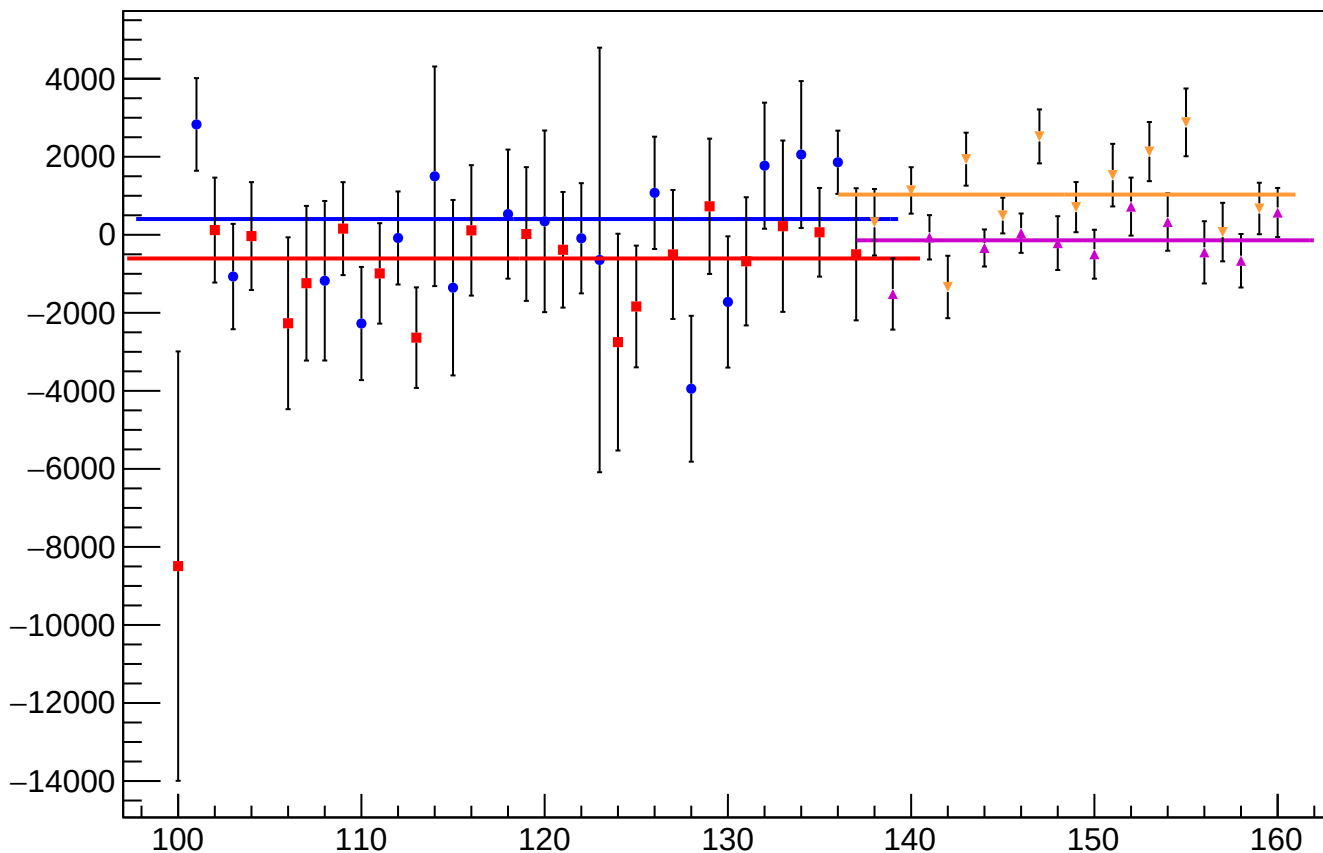
Left In: 560.566 $\pm$ 0.135 χ^2 /NDF: 557608.2/10

650.761 $\pm$ 0.122 χ^2 /NDF: 2459243.4/28

647.729 $\pm$ 0.085 χ^2 /NDF: 5199632.3/58

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: 1030.450+/-196.514 χ^2/NDF : 26.5/11

Right Out: -607.276+/-363.327 χ^2/NDF : 8.8/18

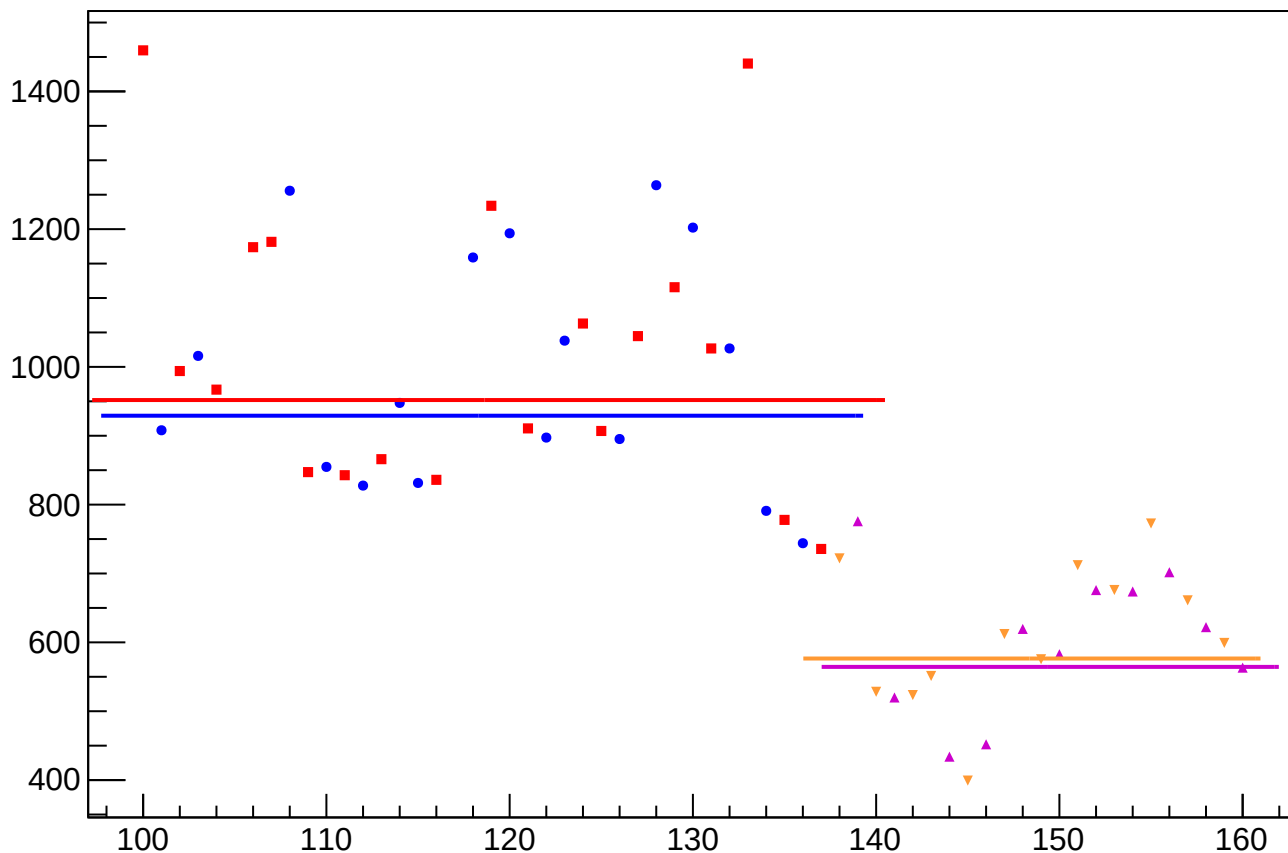
Left In: -141.712+/-191.840 χ^2/NDF : 6.7/10

891.172+/-173.313 χ^2/NDF : 51.2/28

311.845+/-121.233 χ^2/NDF : 89.9/58

-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: 576.535 $\pm$ 0.139 χ^2 /NDF: 608427.7/11

Right Out: 951.847 $\pm$ 0.257 χ^2 /NDF: 382219.3/18

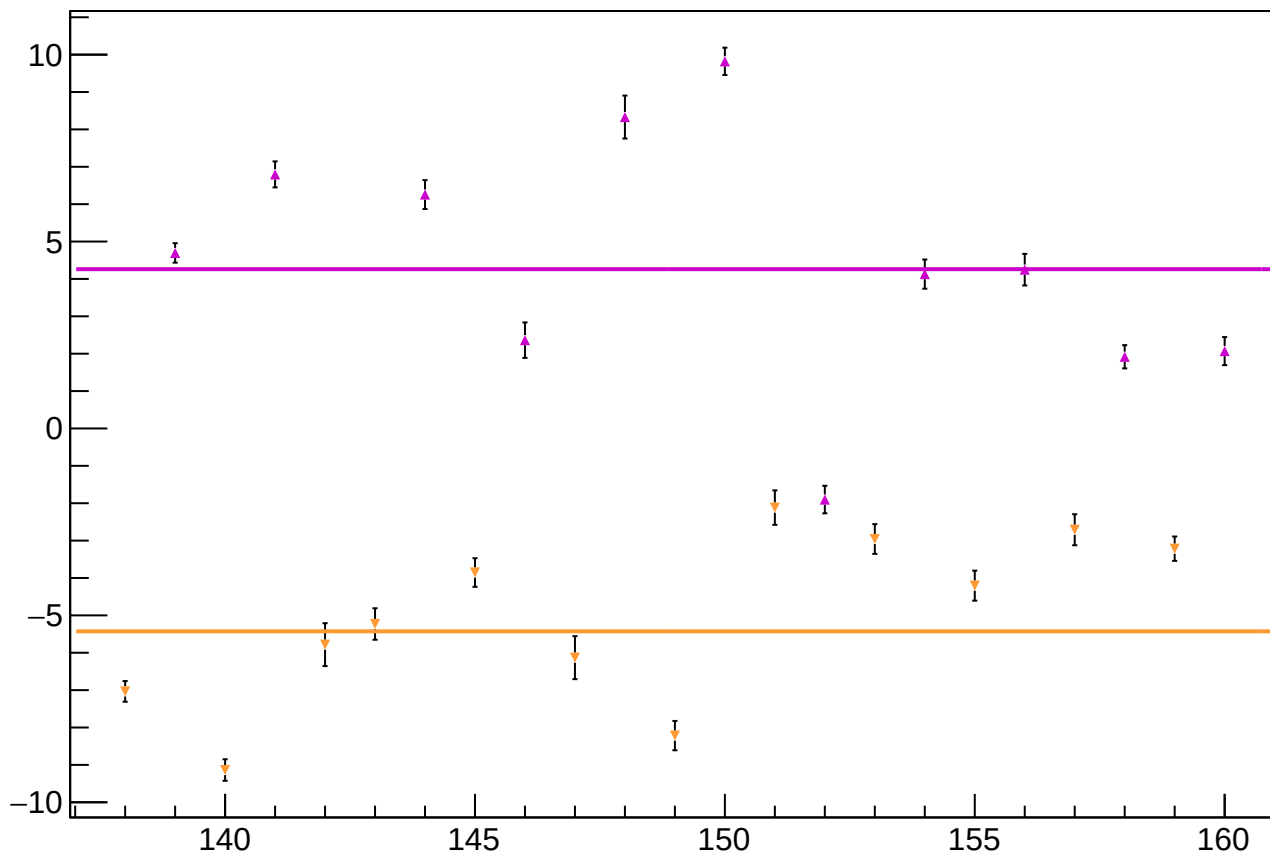
Left In: 564.379 $\pm$ 0.136 χ^2 /NDF: 546920.4/10

654.868 $\pm$ 0.123 χ^2 /NDF: 2429008.8/28

651.796 $\pm$ 0.086 χ^2 /NDF: 5138085.9/58

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: -5.427+/-0.110 χ^2/NDF : 457.1/11

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

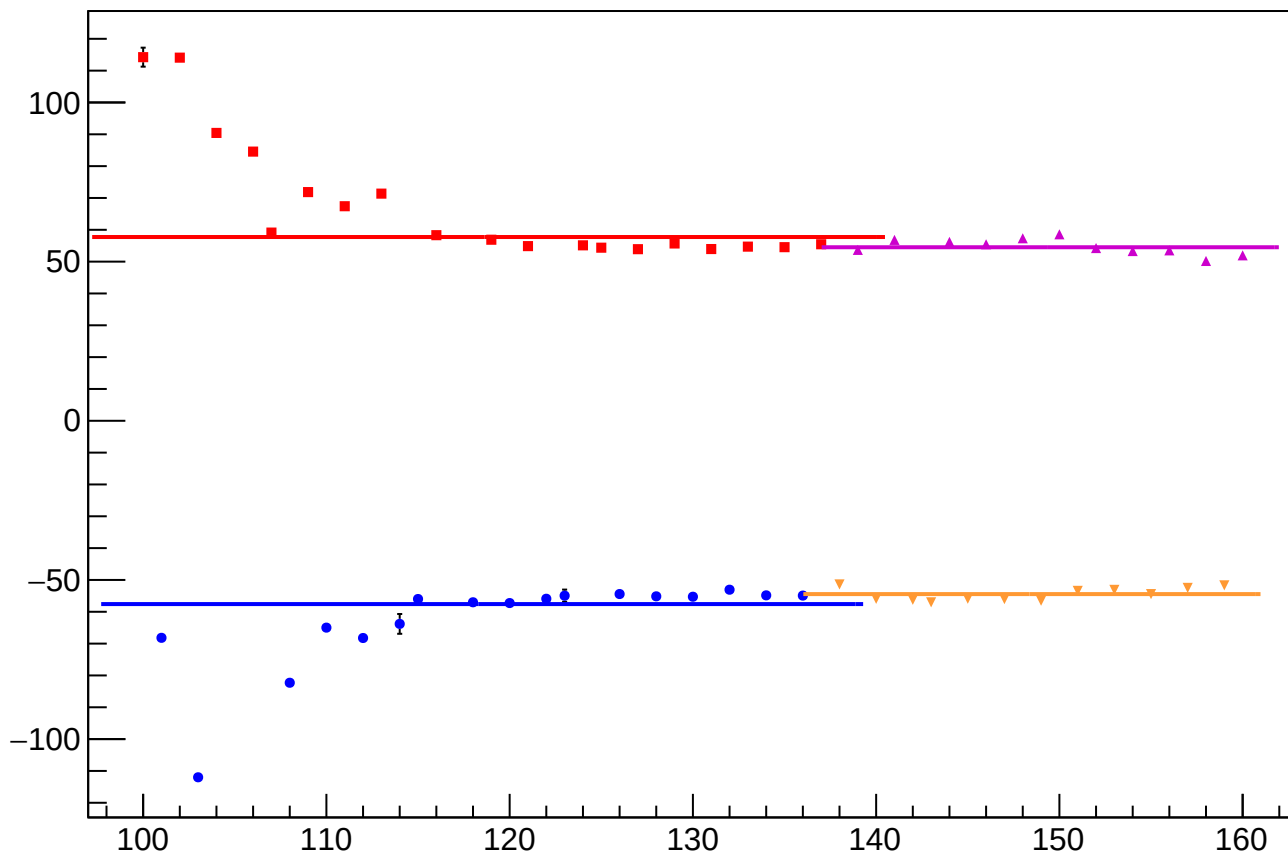
Left In: 4.261+/-0.111 χ^2/NDF : 751.0/10

-5.427+/-0.110 χ^2/NDF : 457.1/11

-0.611+/-0.078 χ^2/NDF : 5059.8/22

4.261+/-0.111 χ^2/NDF : 751.0/10

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 +/- 0.143 χ^2/NDF : 3455.5/16

Left Out: -54.444 +/- 0.081 χ^2/NDF : 578.5/11

Right Out: 57.732 +/- 0.143 χ^2/NDF : 4698.5/18

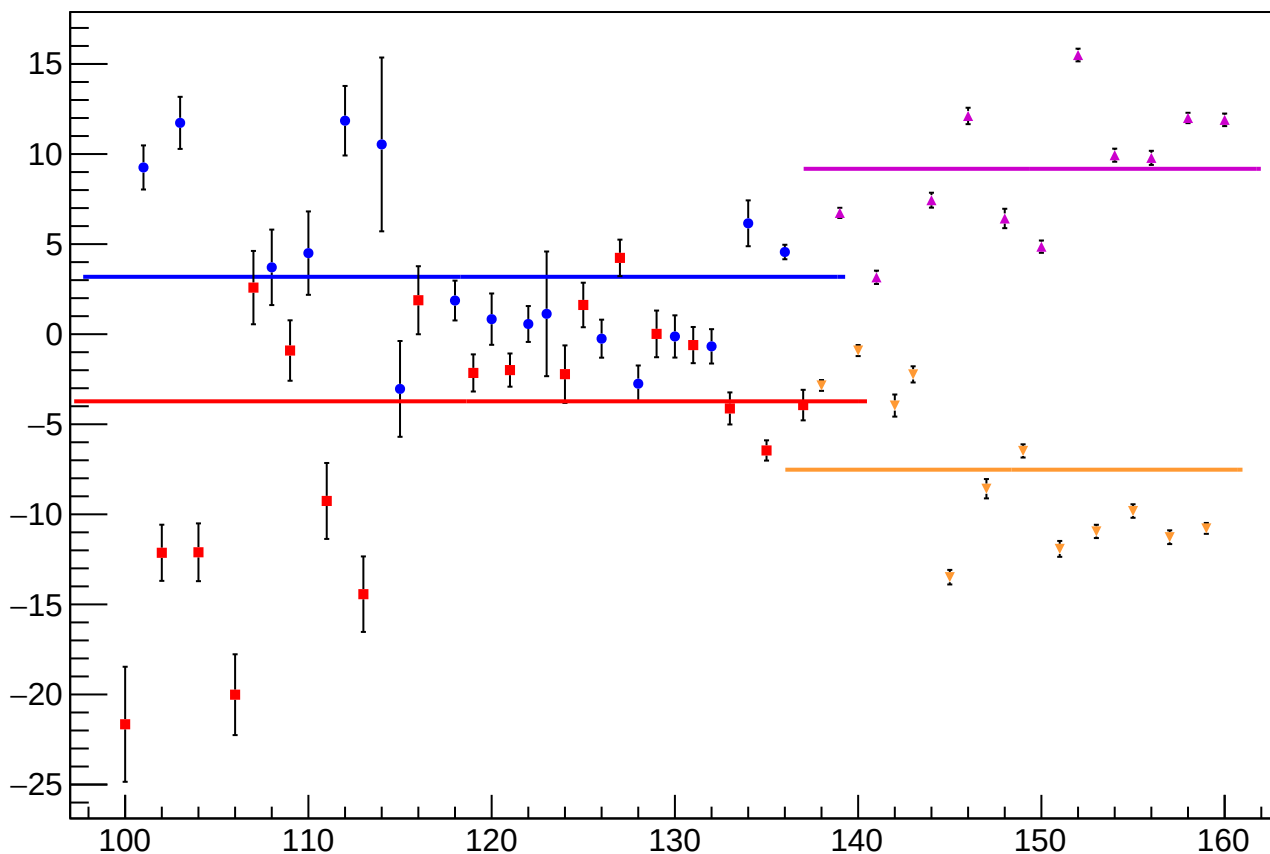
Left In: 54.518 +/- 0.082 χ^2/NDF : 1031.8/10

-55.202 +/- 0.070 χ^2/NDF : 4398.6/28

-0.672 +/- 0.050 χ^2/NDF : 1230348.7/58

55.316 +/- 0.071 χ^2/NDF : 6110.3/29

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.522 ± 0.109 χ^2/NDF : 1544.0/11

Right Out: -3.726 ± 0.268 χ^2/NDF : 324.1/18

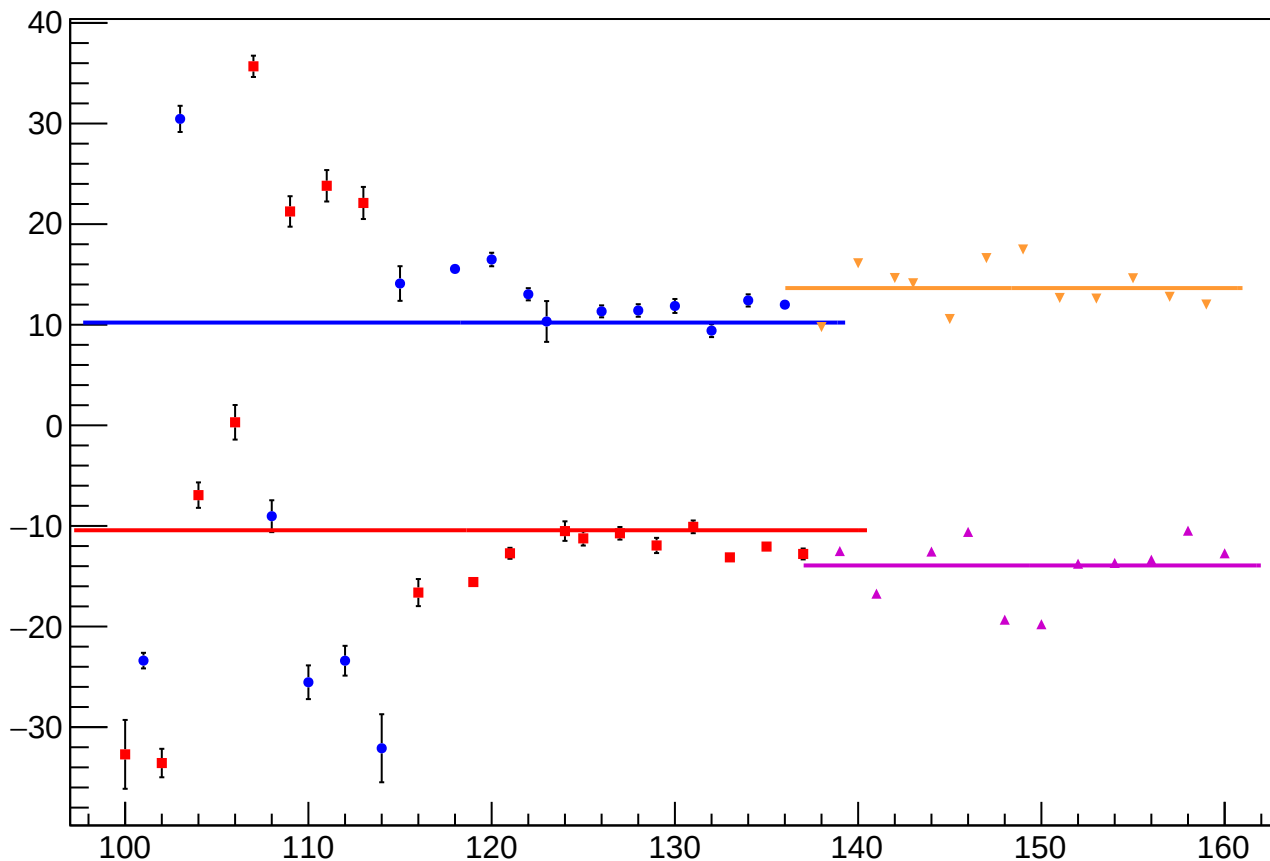
Left In: 9.180 ± 0.108 χ^2/NDF : 1070.8/10

-5.903 ± 0.101 χ^2/NDF : 3180.6/28

0.740 ± 0.071 χ^2/NDF : 15260.5/58

7.358 ± 0.101 χ^2/NDF : 3393.6/29

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215+/-0.158 χ^2 /NDF: 3692.6/16

Left Out: 13.644+/-0.094 χ^2 /NDF: 572.1/11

Right Out: -10.430+/-0.160 χ^2 /NDF: 3826.9/18

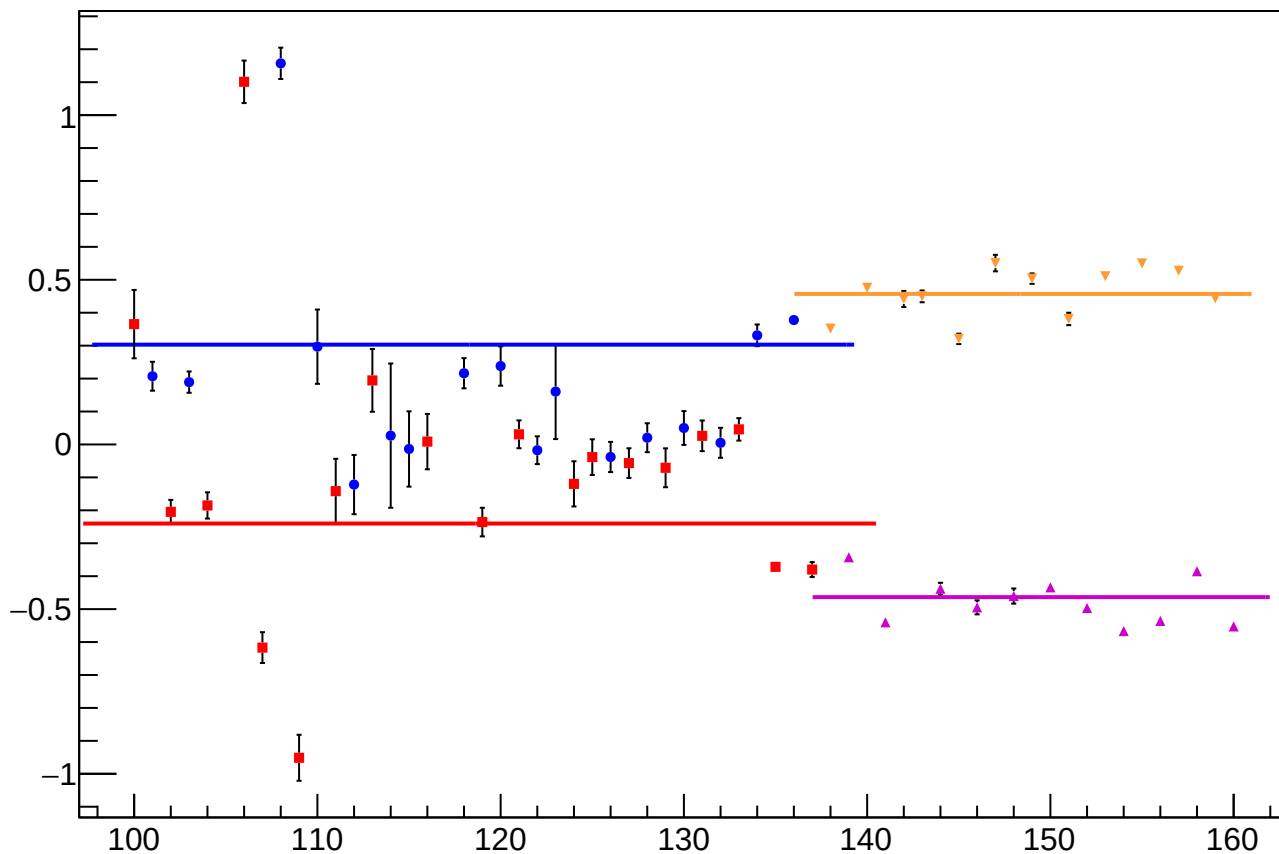
Left In: -13.929+/-0.094 χ^2 /NDF: 1047.1/10

12.744+/-0.081 χ^2 /NDF: 4611.7/28

-0.106+/-0.057 χ^2 /NDF: 60364.2/58

-13.028+/-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 : 297.9/11

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.4/18

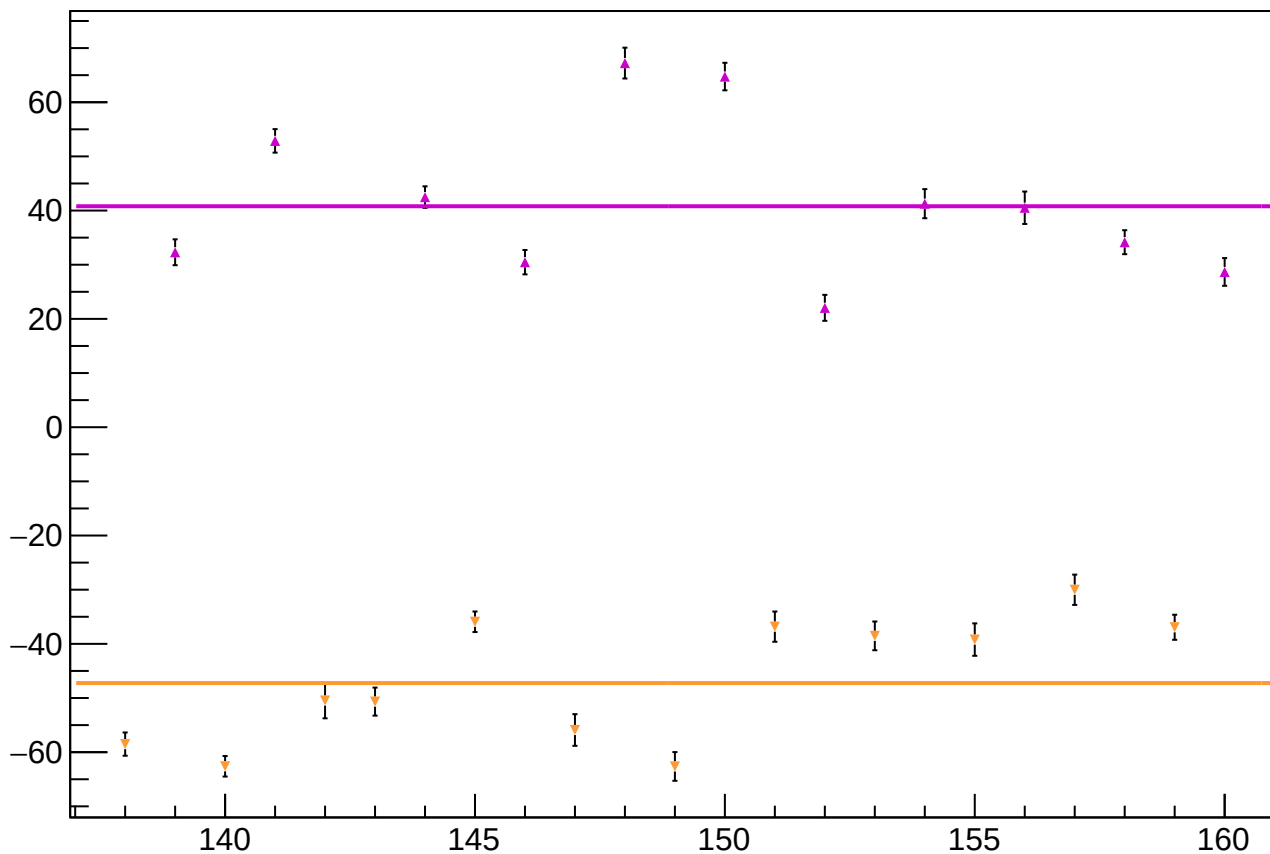
Left In: -0.464 ± 0.004 χ^2/NDF : 393.4/10

0.425 ± 0.004 χ^2/NDF : 1222.9/28

-0.004 ± 0.003 χ^2/NDF : 29066.7/58

-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: -47.235+/-0.712 χ^2/NDF : 263.8/11

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

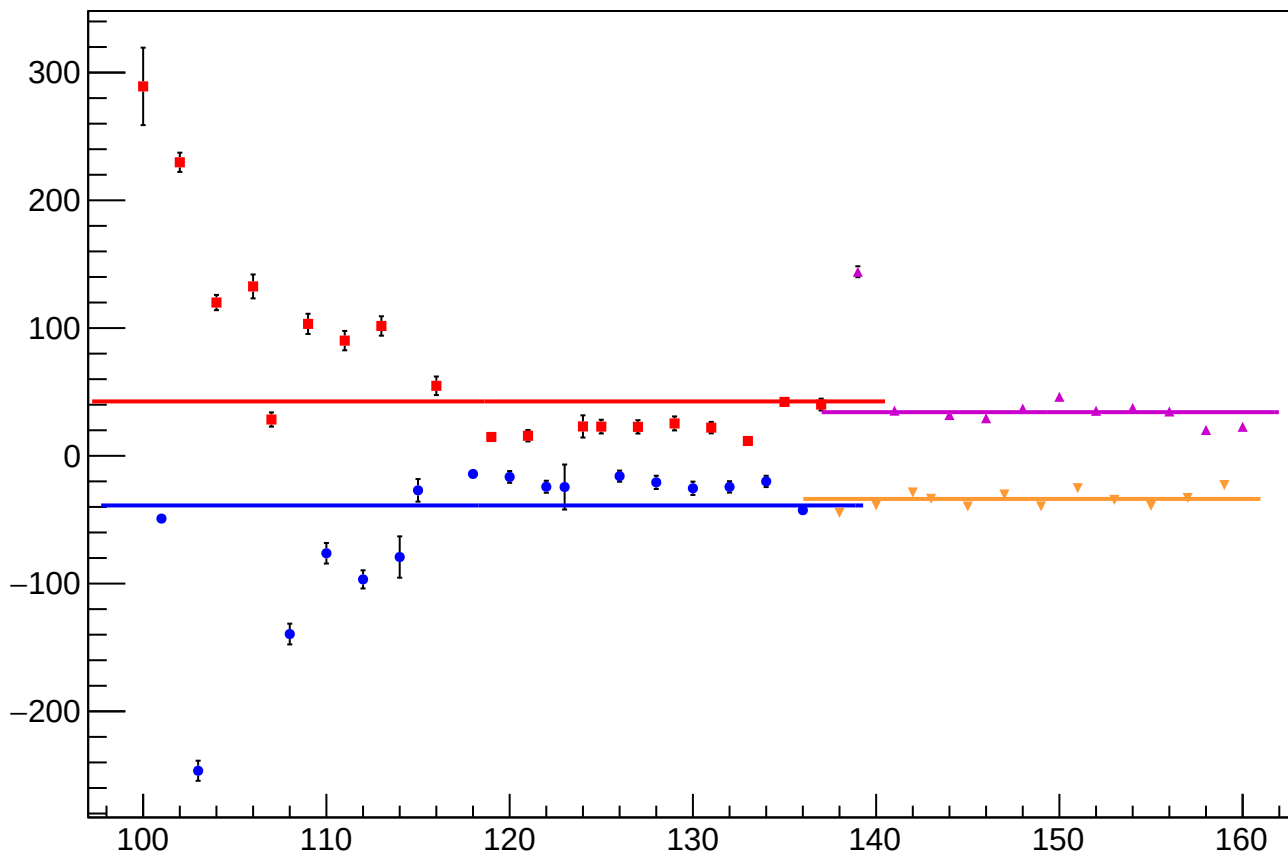
Left In: 40.795+/-0.726 χ^2/NDF : 333.3/10

-47.235+/-0.712 χ^2/NDF : 263.8/11

-4.054+/-0.508 χ^2/NDF : 8090.5/22

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: -33.738 ± 0.498 $\chi^2/\text{NDF}: 155.9/11$

Right Out: 42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

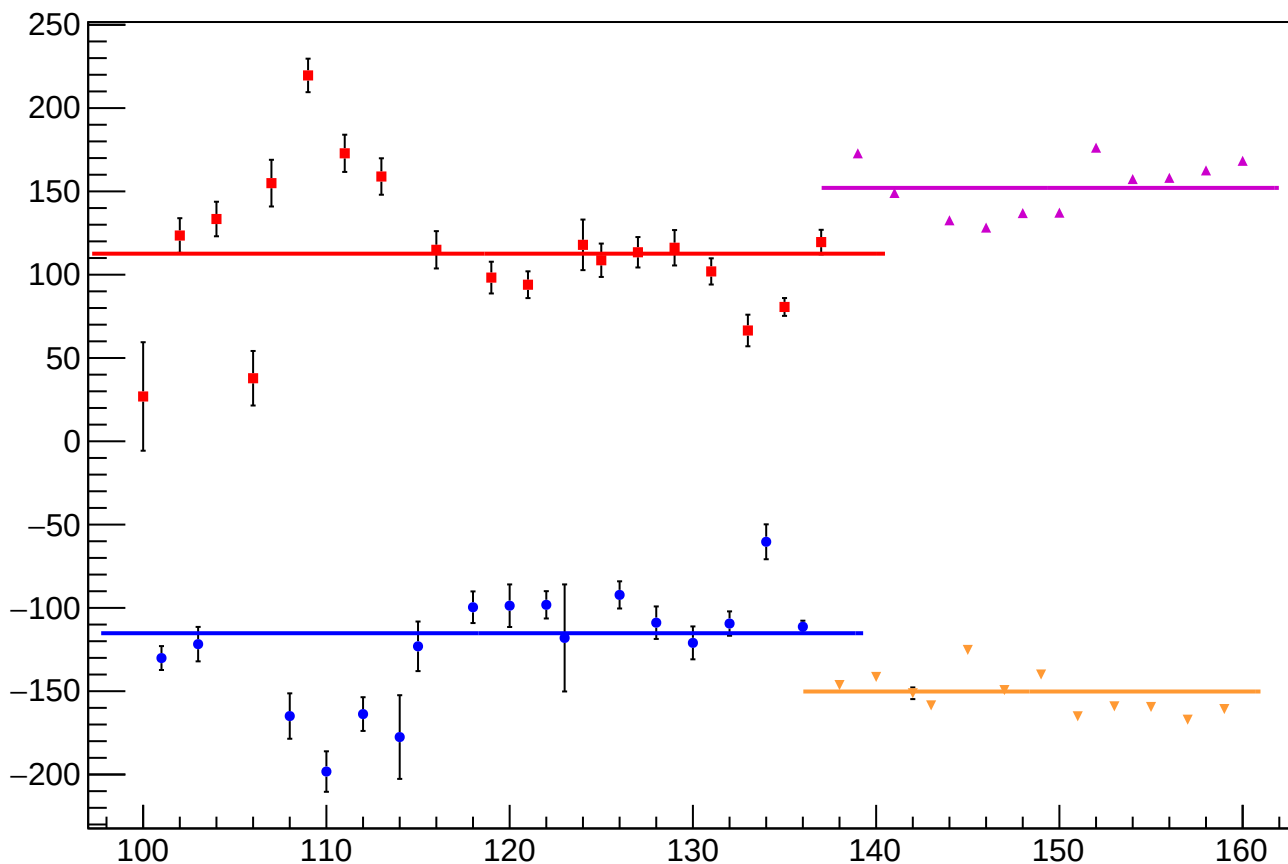
Left In: 34.174 ± 0.502 $\chi^2/\text{NDF}: 861.1/10$

-34.546 ± 0.457 $\chi^2/\text{NDF}: 1294.4/28$

-0.069 ± 0.325 $\chi^2/\text{NDF}: 15100.9/58$

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: -150.187 ± 0.710 $\chi^2/\text{NDF}: 323.3/11$

Right Out: 112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

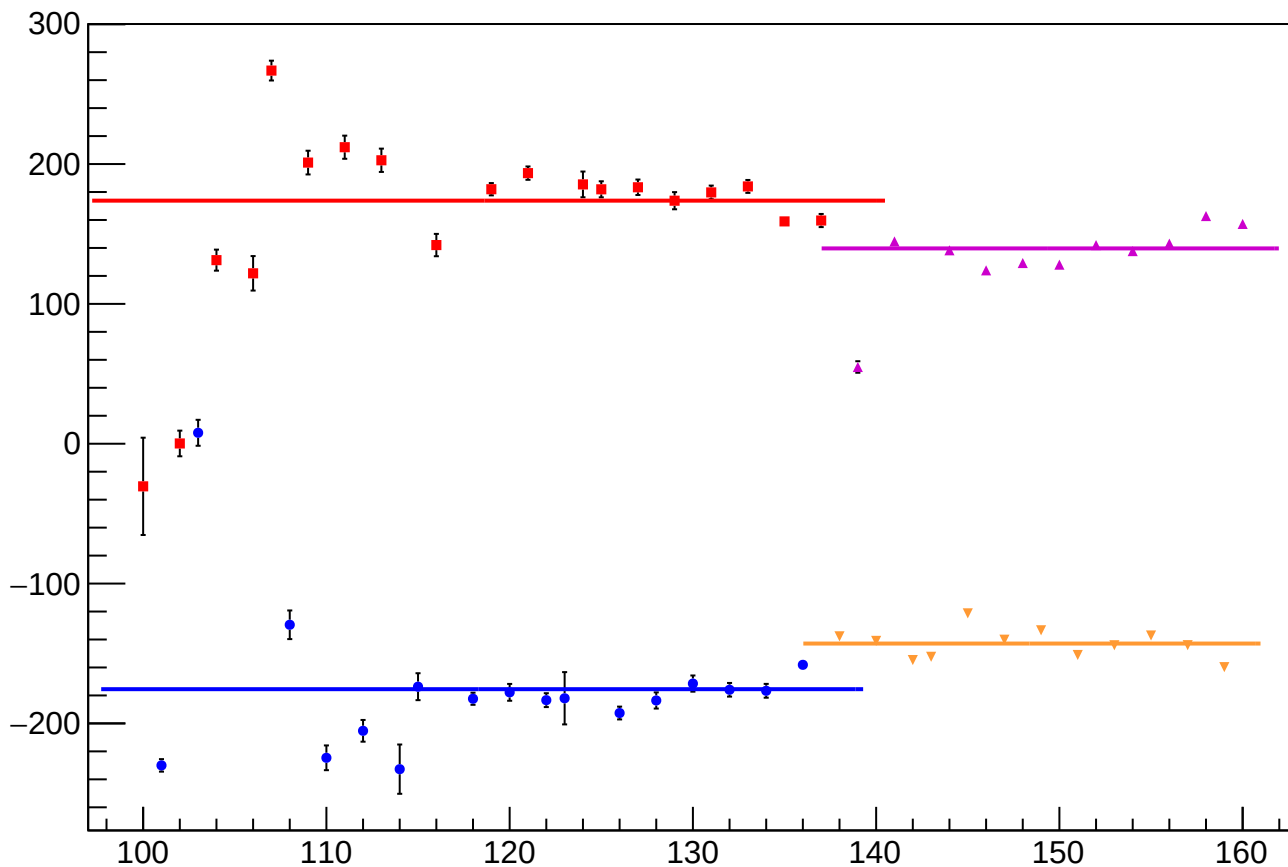
Left In: 152.095 ± 0.709 $\chi^2/\text{NDF}: 535.8/10$

-146.544 ± 0.672 $\chi^2/\text{NDF}: 717.2/28$

0.096 ± 0.476 $\chi^2/\text{NDF}: 97695.8/58$

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: -142.895 ± 0.593 χ^2/NDF : 343.9/11

Right Out: 173.830 ± 1.357 χ^2/NDF : 737.9/18

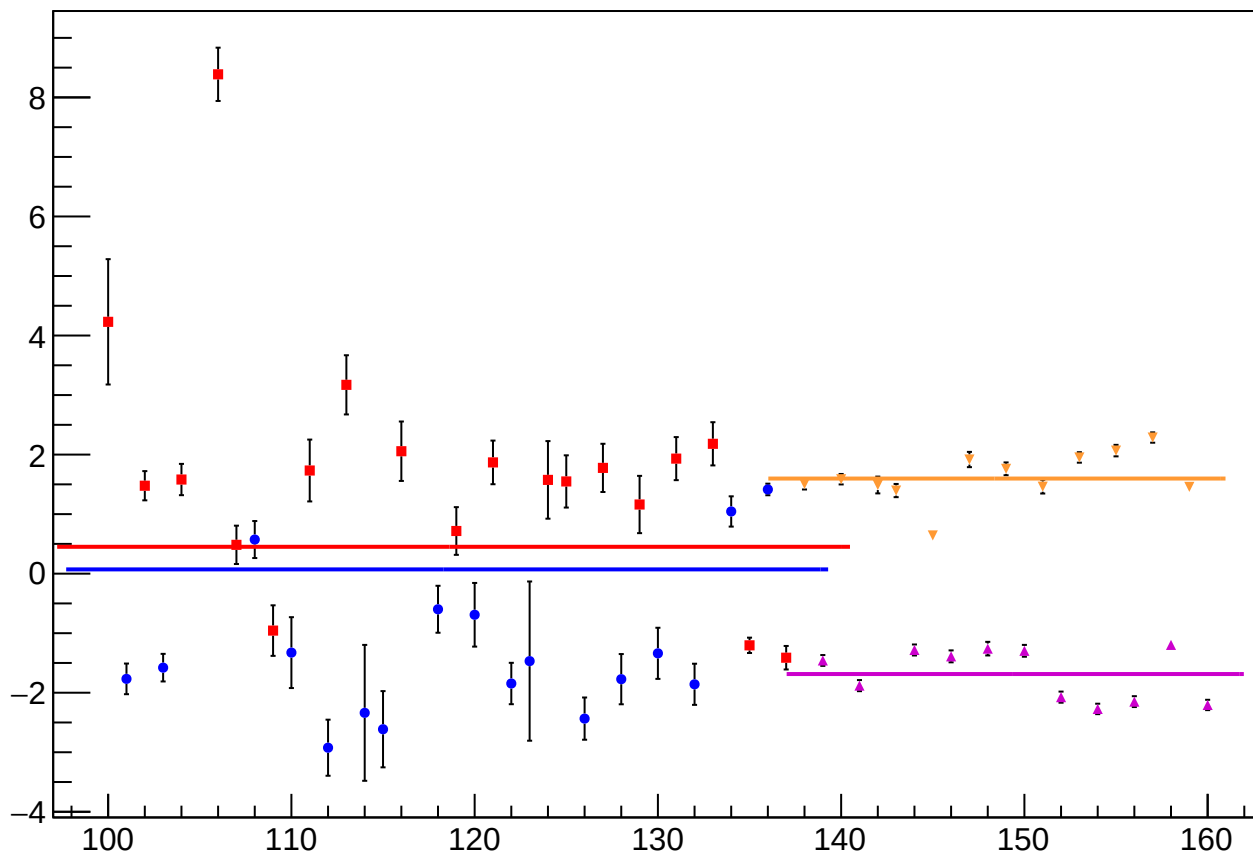
Left In: 139.666 ± 0.591 χ^2/NDF : 878.8/10

-148.681 ± 0.538 χ^2/NDF : 1573.1/28

-2.916 ± 0.382 χ^2/NDF : 151779.7/58

145.119 ± 0.542 χ^2/NDF : 2149.7/29

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072+/-0.067 χ^2/NDF : 525.2/16

Left Out: 1.598+/-0.028 χ^2/NDF : 266.8/11

Right Out: 0.451+/-0.071 χ^2/NDF : 751.3/18

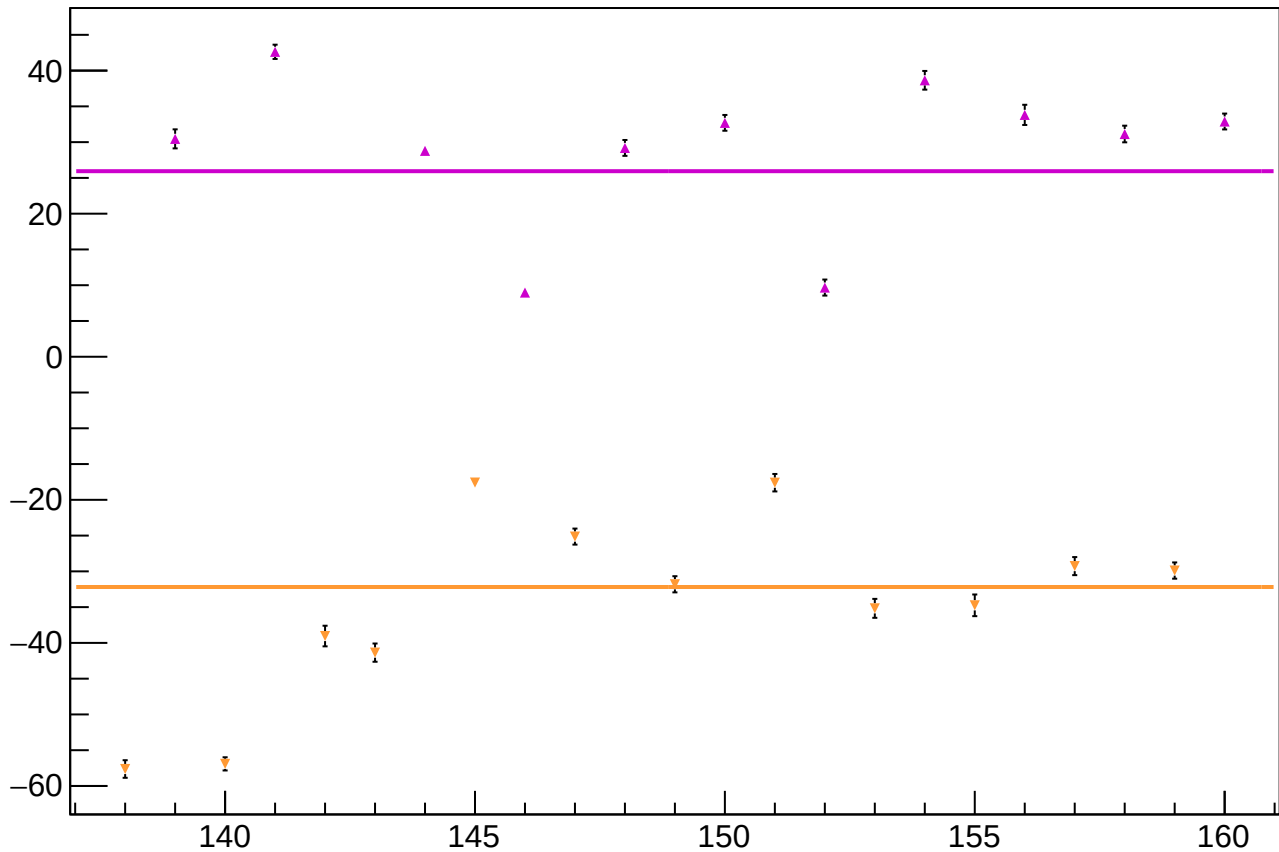
Left In: -1.686+/-0.028 χ^2/NDF : 235.9/10

1.375+/-0.026 χ^2/NDF : 1233.2/28

-0.012+/-0.018 χ^2/NDF : 8868.7/58

-1.408+/-0.026 χ^2/NDF : 1768.2/29

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.187+/-0.313 χ^2/NDF :1980.0/11

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

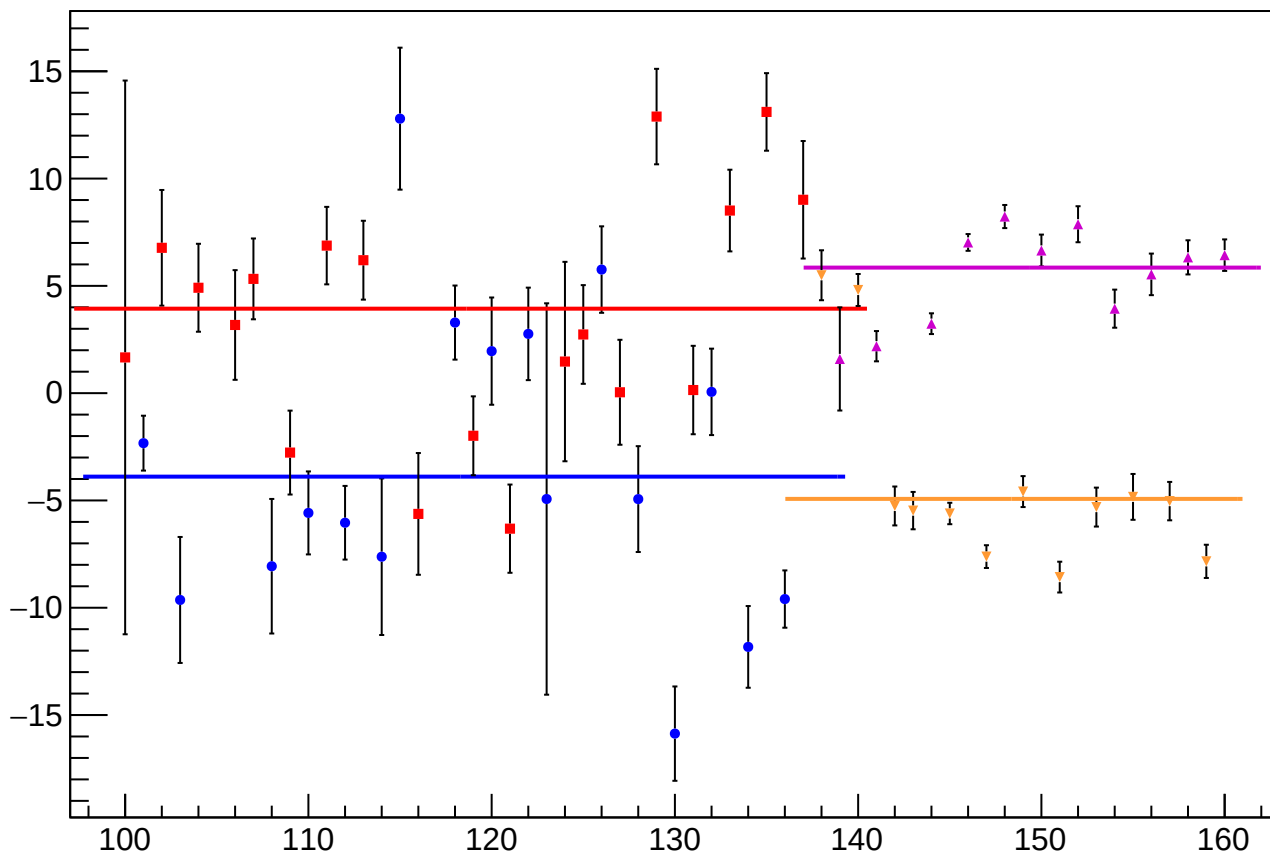
Left In: 25.939+/-0.298 χ^2/NDF :1456.0/10

-32.187+/-0.313 χ^2/NDF : 1980.0/11

-1.717+/-0.216 χ^2/NDF : 21538.9/22

25.939+/-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: -4.927 ± 0.216 χ^2/NDF : 319.2/11

Right Out: 3.937 ± 0.507 χ^2/NDF : 122.2/18

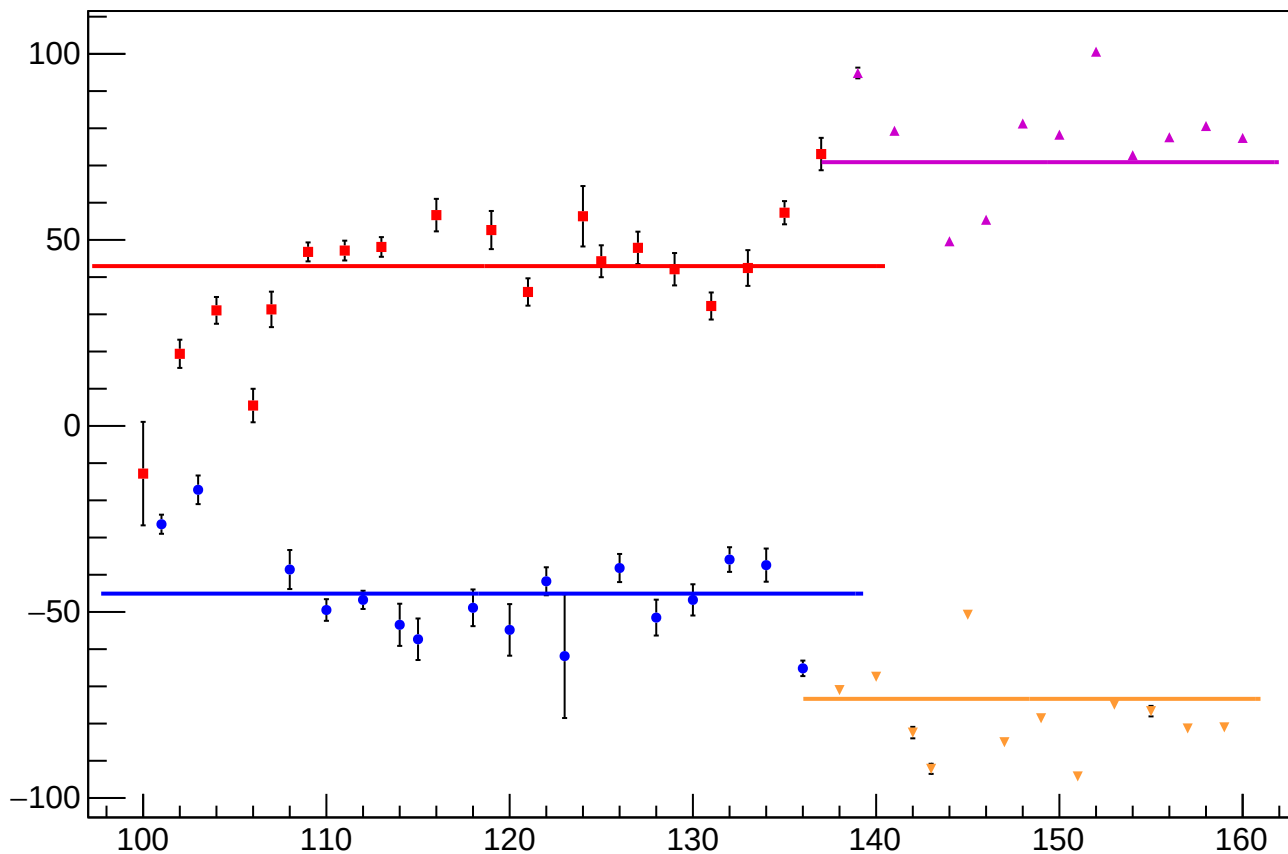
Left In: 5.851 ± 0.198 χ^2/NDF : 100.5/10

-4.764 ± 0.198 χ^2/NDF : 483.3/28

0.776 ± 0.135 χ^2/NDF : 2184.7/58

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: -73.354 ± 0.313 χ^2/NDF : 2028.9/11

Right Out: 42.959 ± 0.878 χ^2/NDF : 248.3/18

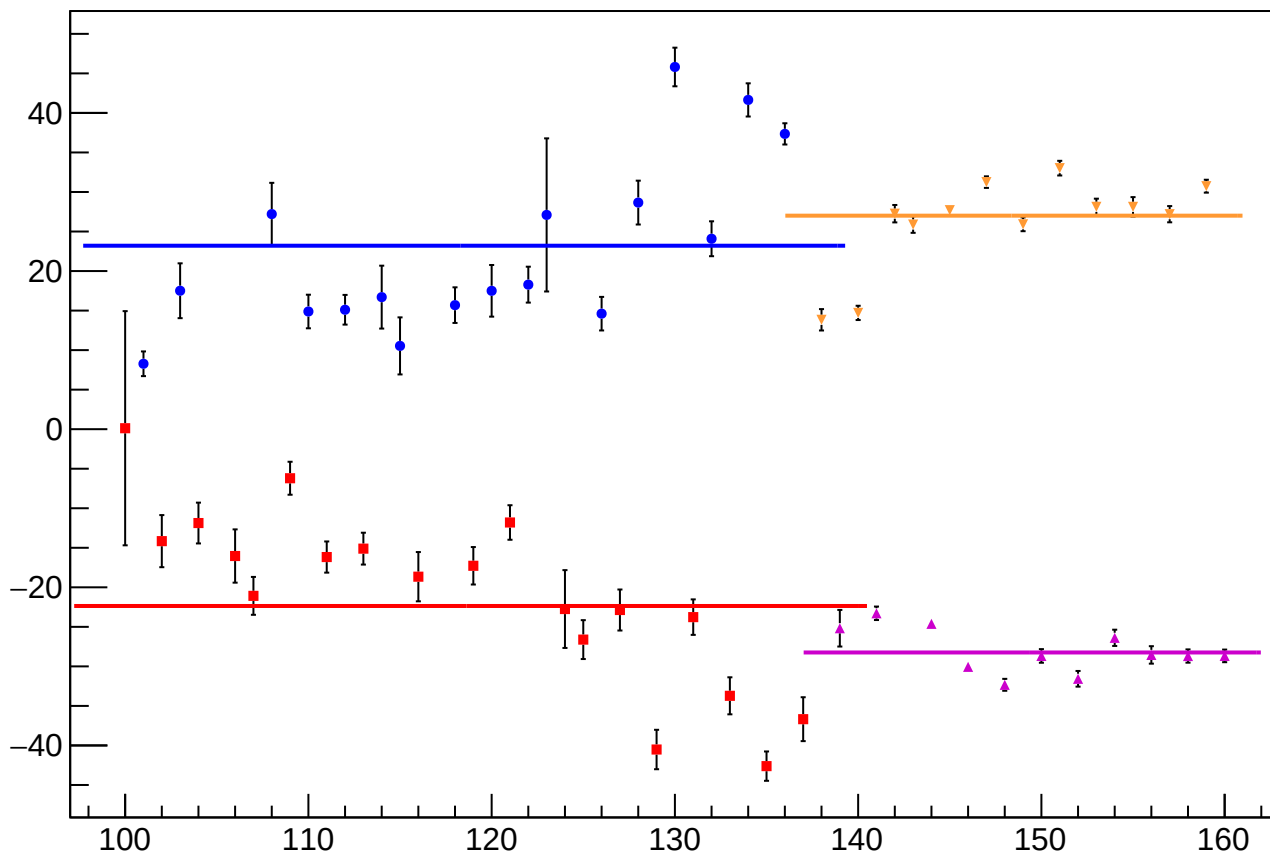
Left In: 70.895 ± 0.292 χ^2/NDF : 2898.2/10

-70.207 ± 0.295 χ^2/NDF : 3169.8/28

3.177 ± 0.202 χ^2/NDF : 124154.0/58

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: 27.005 $\pm$ 0.259 χ^2 /NDF: 383.1/11

Right Out: -22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

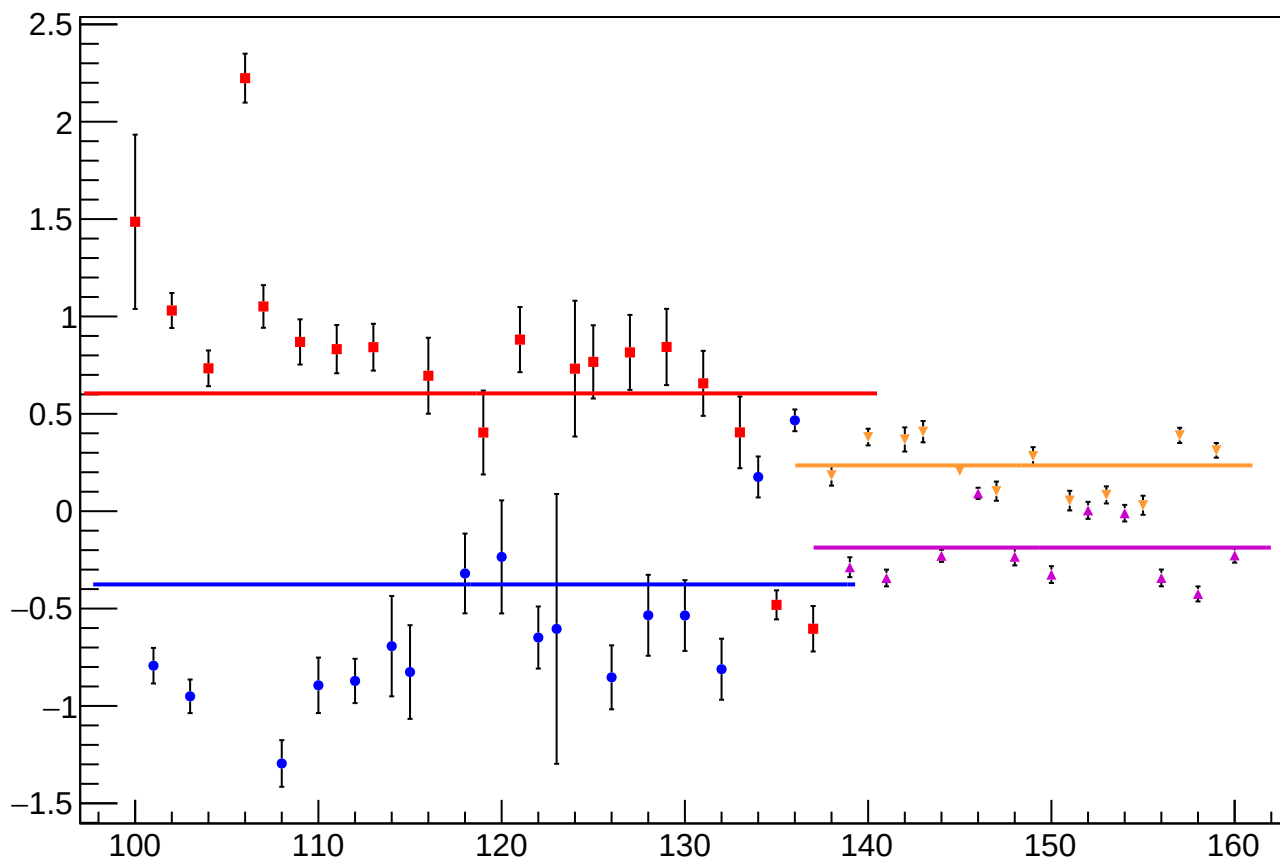
Left In: -28.241 $\pm$ 0.239 χ^2 /NDF: 133.7/10

26.333 $\pm$ 0.235 χ^2 /NDF: 878.4/28

-2.246 $\pm$ 0.161 χ^2 /NDF: 29271.4/58

-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: 0.235 ± 0.012 $\chi^2/\text{NDF}: 98.6/11$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

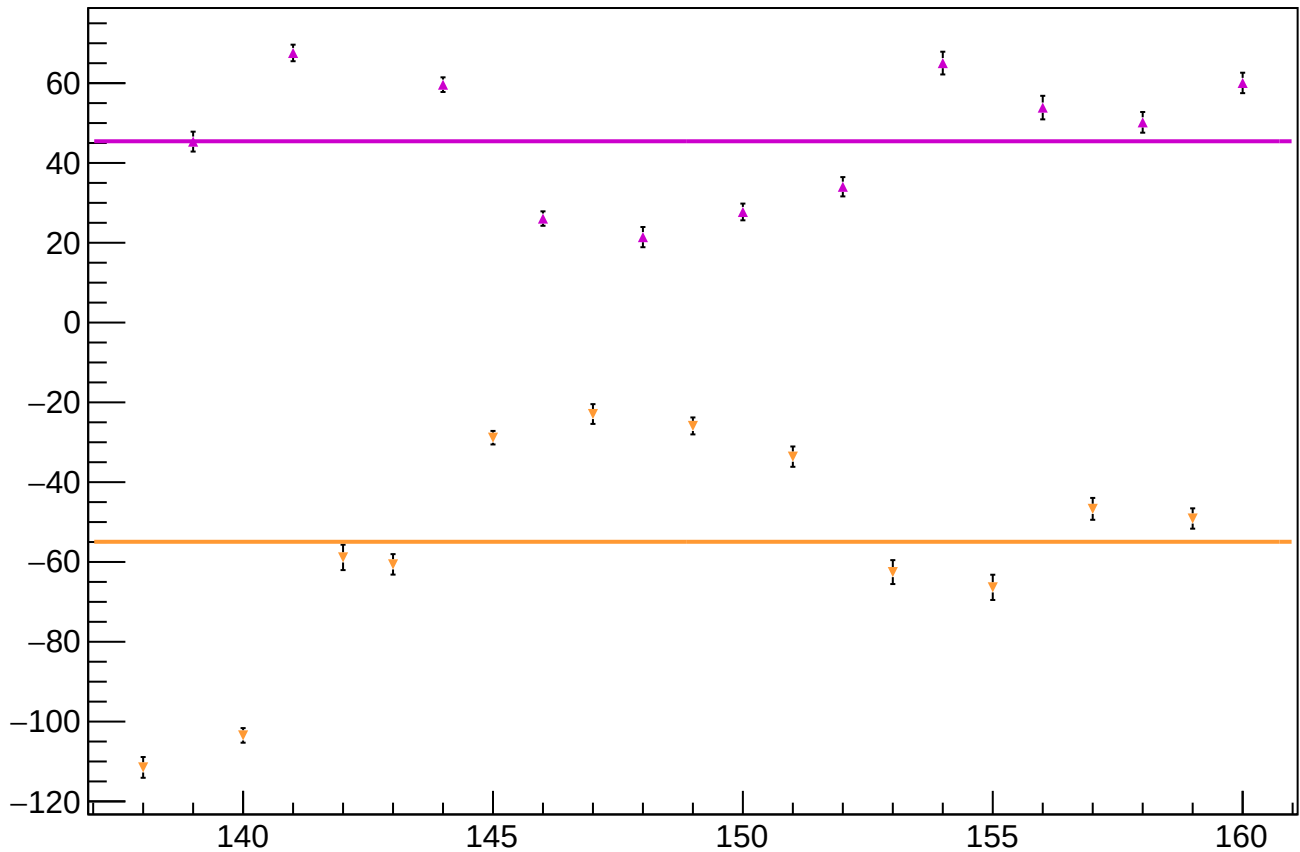
Left In: -0.187 ± 0.012 $\chi^2/\text{NDF}: 213.3/10$

0.147 ± 0.011 $\chi^2/\text{NDF}: 888.4/28$

0.028 ± 0.008 $\chi^2/\text{NDF}: 2458.6/58$

-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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -54.939+/-0.693 χ^2/NDF :1873.5/11

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

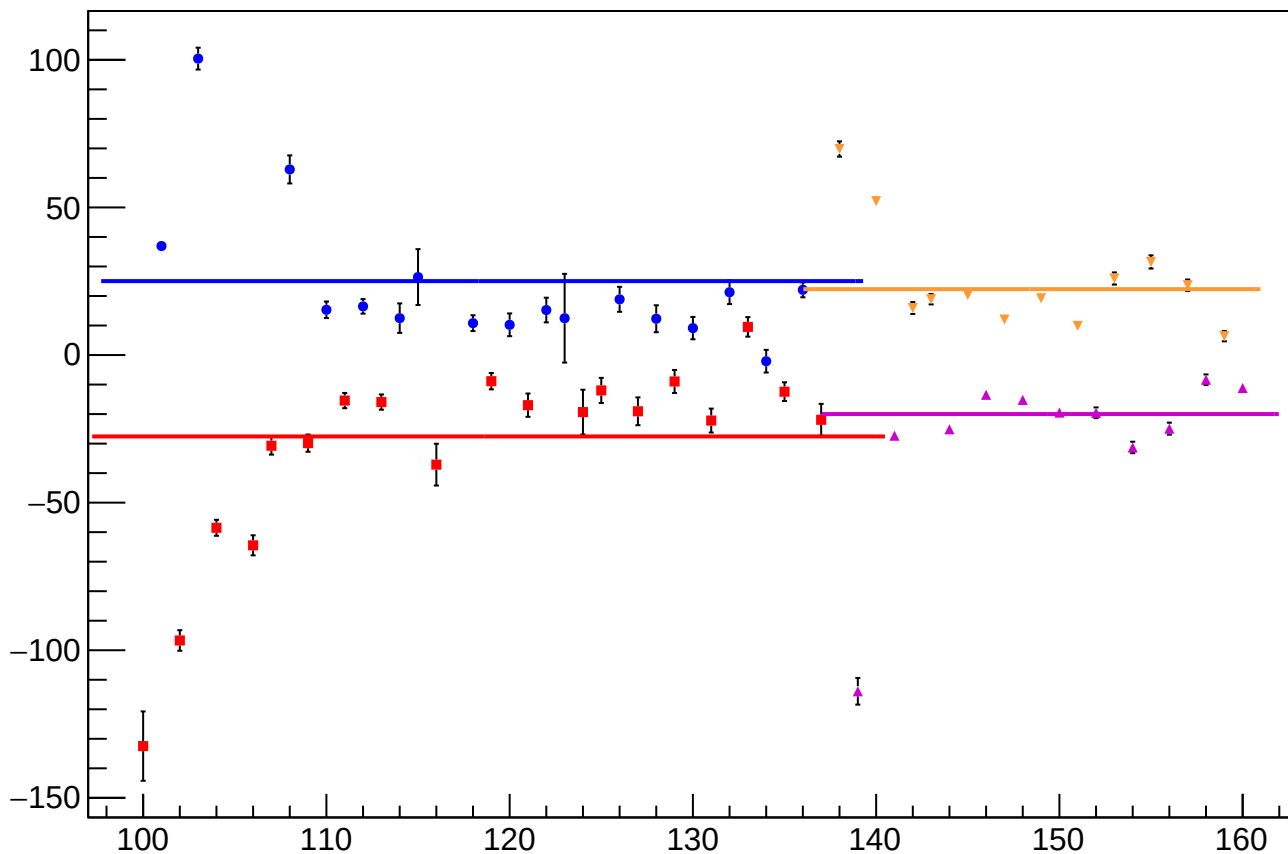
Left In: 45.434+/-0.692 χ^2/NDF :563.0/10

-54.939+/-0.693 χ^2/NDF : 1873.5/11

-4.666+/-0.490 χ^2/NDF : 12937.7/22

45.434+/-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: 22.320 $\pm$ 0.477 χ^2 /NDF: 998.8/11

Right Out: -27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

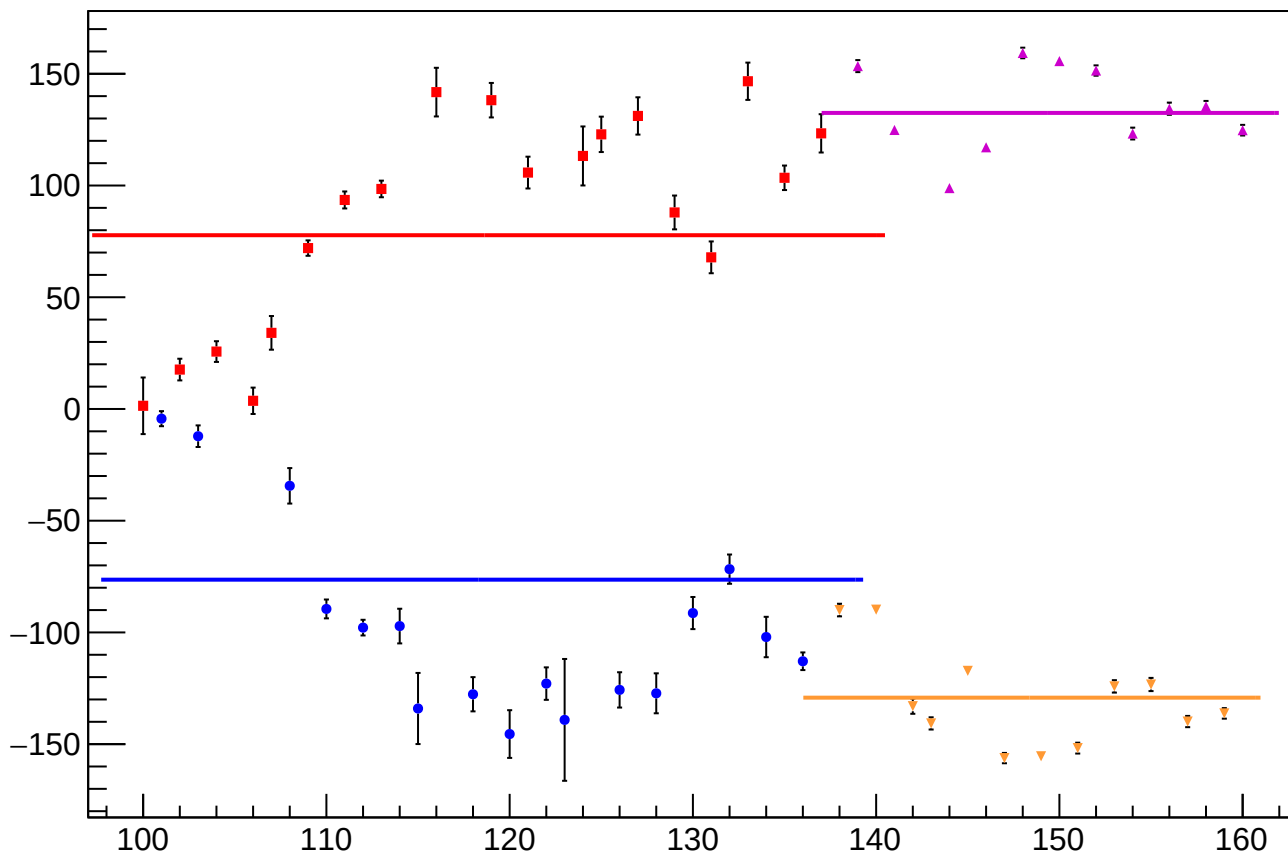
Left In: -19.987 $\pm$ 0.474 χ^2 /NDF: 628.8/10

23.028 $\pm$ 0.411 χ^2 /NDF: 1693.6/28

0.454 $\pm$ 0.290 χ^2 /NDF: 9412.9/58

-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: -129.196 ± 0.689 χ^2/NDF : 1095.1/11

Right Out: 77.761 ± 1.353 χ^2/NDF : 872.7/18

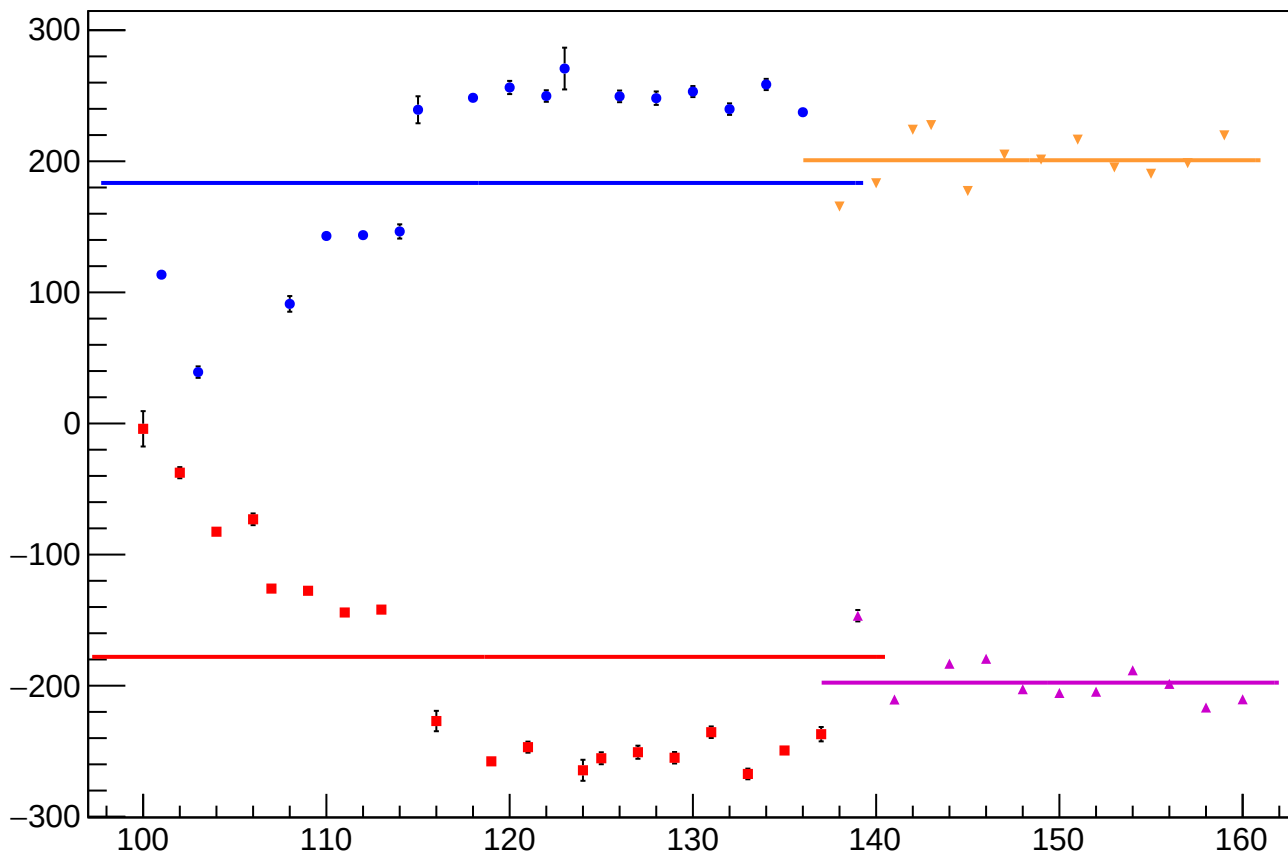
Left In: 132.493 ± 0.677 χ^2/NDF : 801.9/10

-119.097 ± 0.619 χ^2/NDF : 3251.3/28

3.977 ± 0.433 χ^2/NDF : 83444.7/58

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: 200.791 $\pm$ 0.573 χ^2 /NDF: 902.0/11

Right Out: -178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

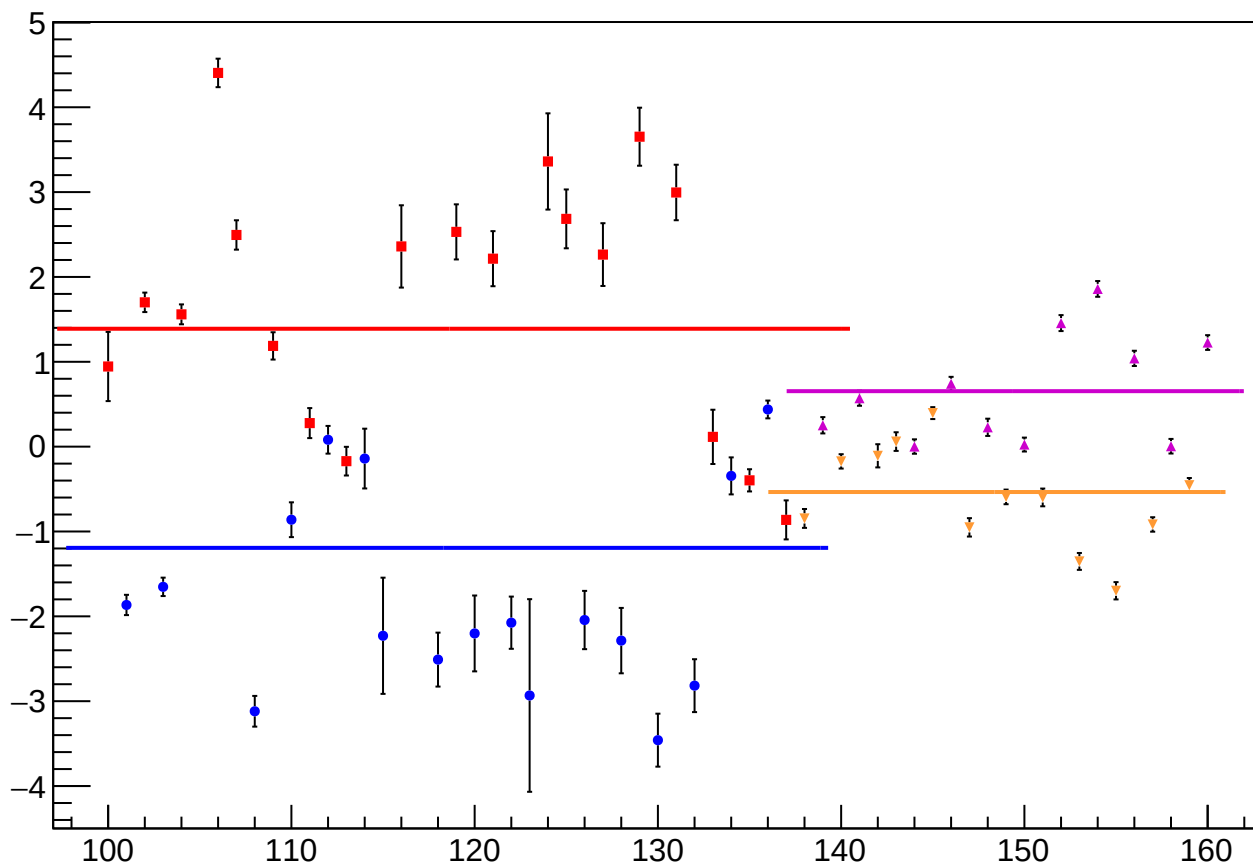
Left In: -197.686 $\pm$ 0.563 χ^2 /NDF: 646.3/10

195.937 $\pm$ 0.486 χ^2 /NDF: 6489.0/28

-0.437 $\pm$ 0.342 χ^2 /NDF: 336084.5/58

-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: -0.535 ± 0.027 χ^2/NDF : 474.6/11

Right Out: 1.390 ± 0.046 χ^2/NDF : 920.6/18

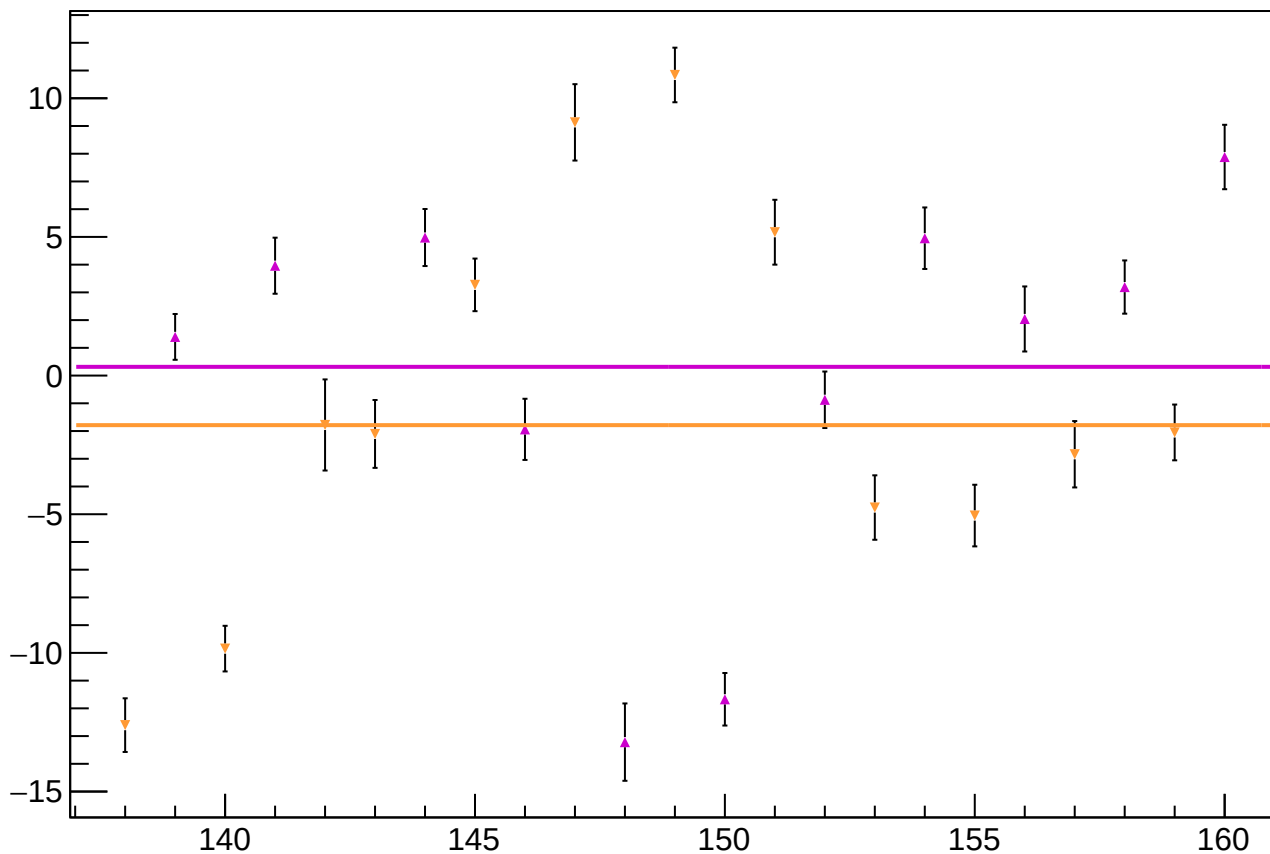
Left In: 0.654 ± 0.027 χ^2/NDF : 514.8/10

-0.695 ± 0.024 χ^2/NDF : 1237.6/28

0.093 ± 0.017 χ^2/NDF : 5011.5/58

0.842 ± 0.023 χ^2/NDF : 1627.3/29

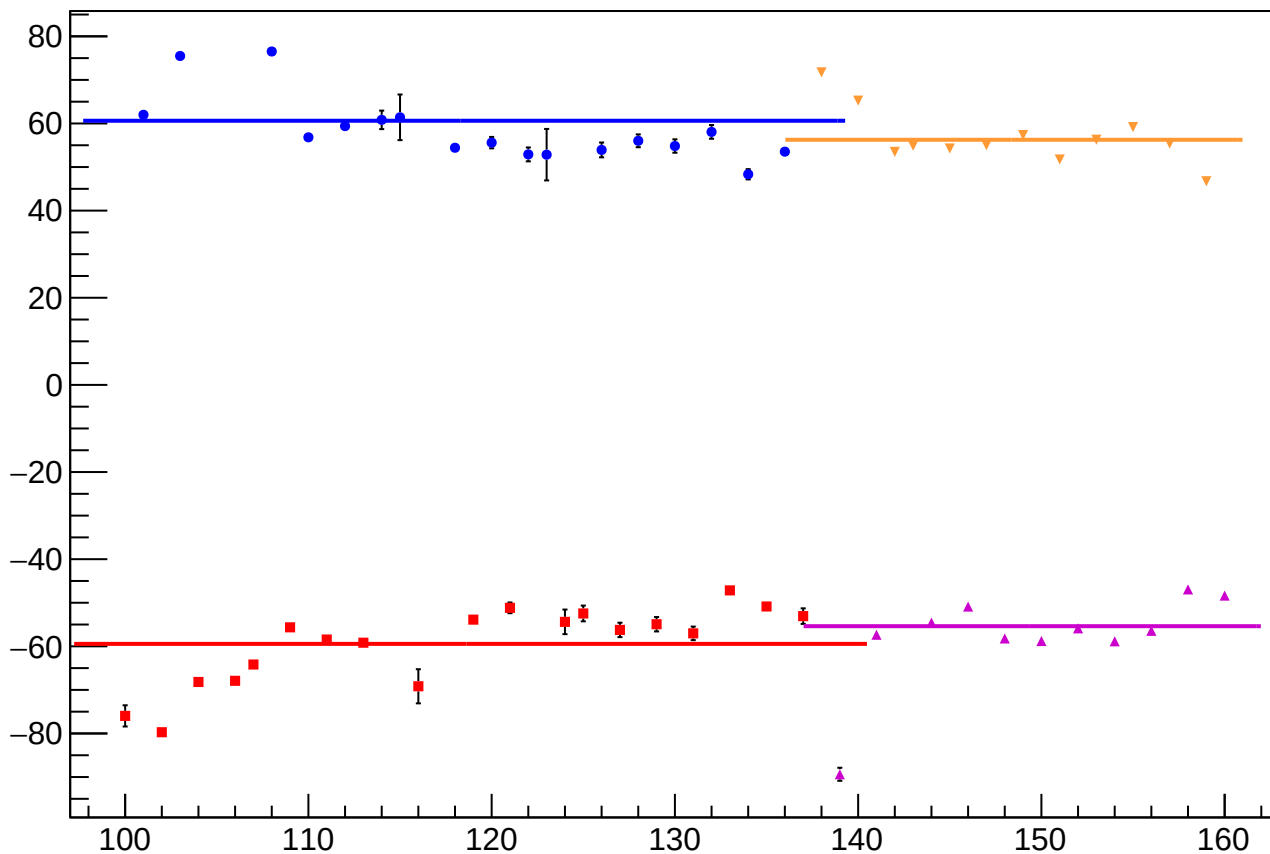
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.788+/-0.313 χ^2/NDF : 528.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.315+/-0.314 χ^2/NDF : 366.2/10

-1.788+/-0.313 χ^2/NDF : 528.2/11
 -0.739+/-0.221 χ^2/NDF : 917.0/22
 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 χ^2/NDF : 924.6/16

Left Out: 56.259+/-0.222 χ^2/NDF : 659.3/11

Right Out: -59.438+/-0.248 χ^2/NDF : 1323.4/18

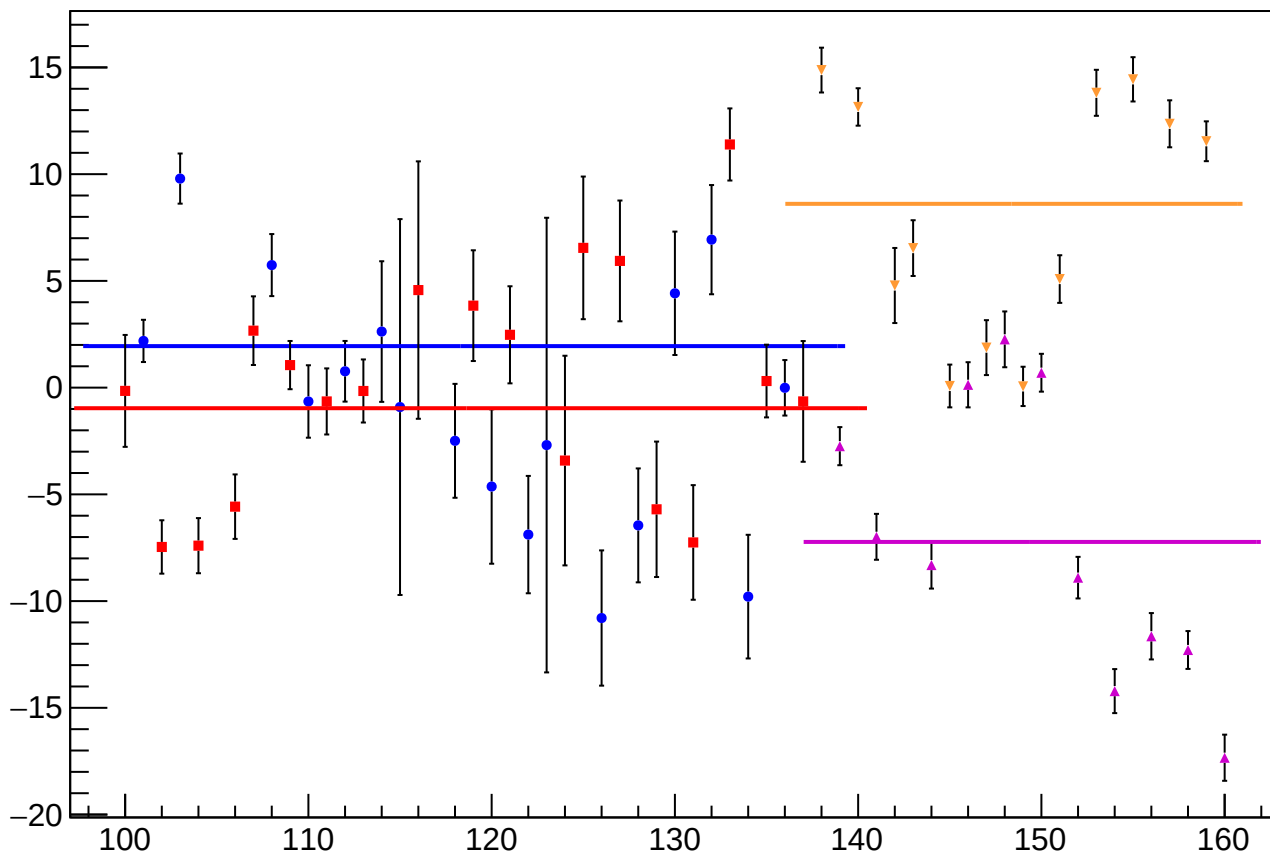
Left In: -55.378+/-0.226 χ^2/NDF : 875.4/10

58.073+/-0.170 χ^2/NDF : 1744.9/28

-0.422+/-0.119 χ^2/NDF : 238731.8/58

-57.223+/-0.167 χ^2/NDF : 2345.2/29

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 8.610 ± 0.309 χ^2/NDF : 342.3/11

Right Out: -0.964 ± 0.424 χ^2/NDF : 149.5/18

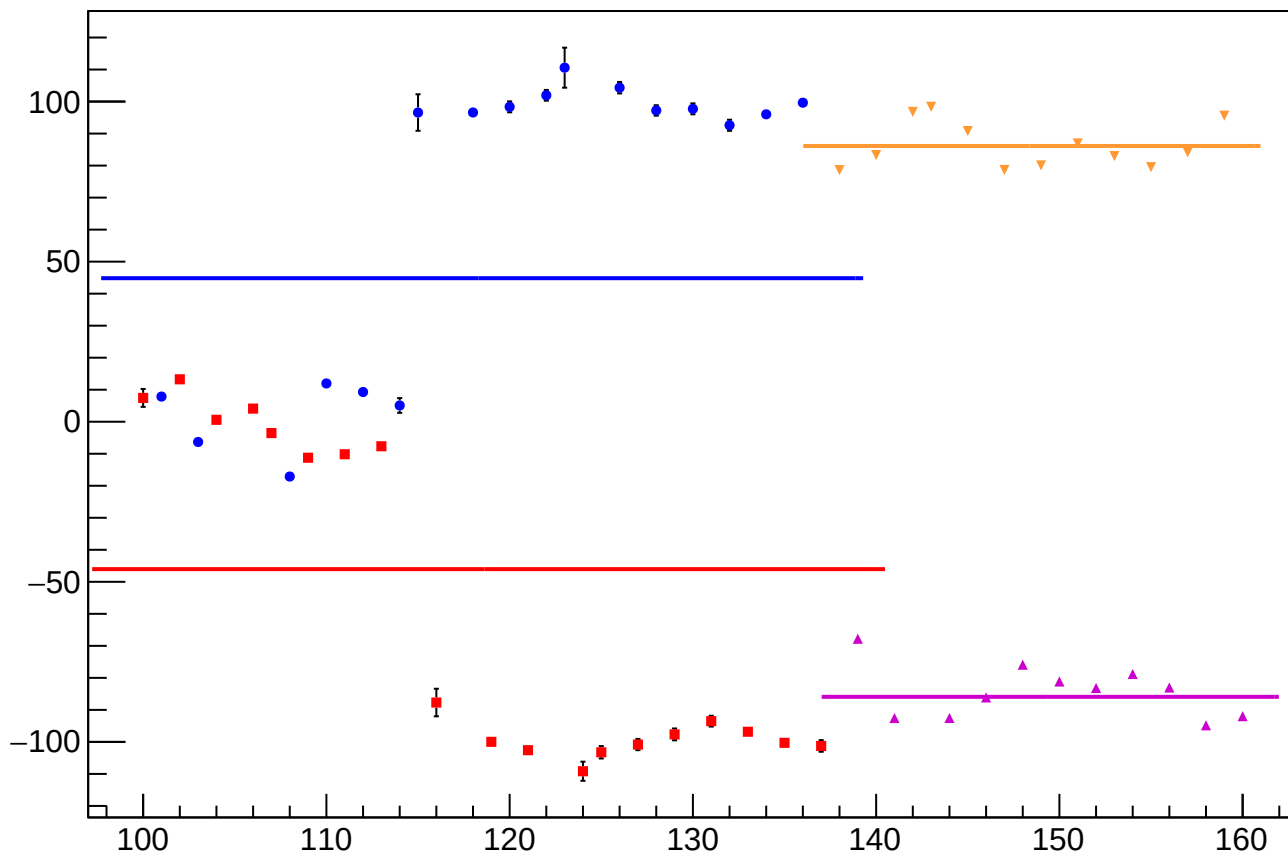
Left In: -7.228 ± 0.306 χ^2/NDF : 392.9/10

6.529 ± 0.256 χ^2/NDF : 608.0/28

0.538 ± 0.178 χ^2/NDF : 2352.5/58

-5.084 ± 0.248 χ^2/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: 86.126+/-0.262 χ^2/NDF : 665.7/11

Right Out: -46.040+/-0.289 χ^2/NDF : 28263.4/18

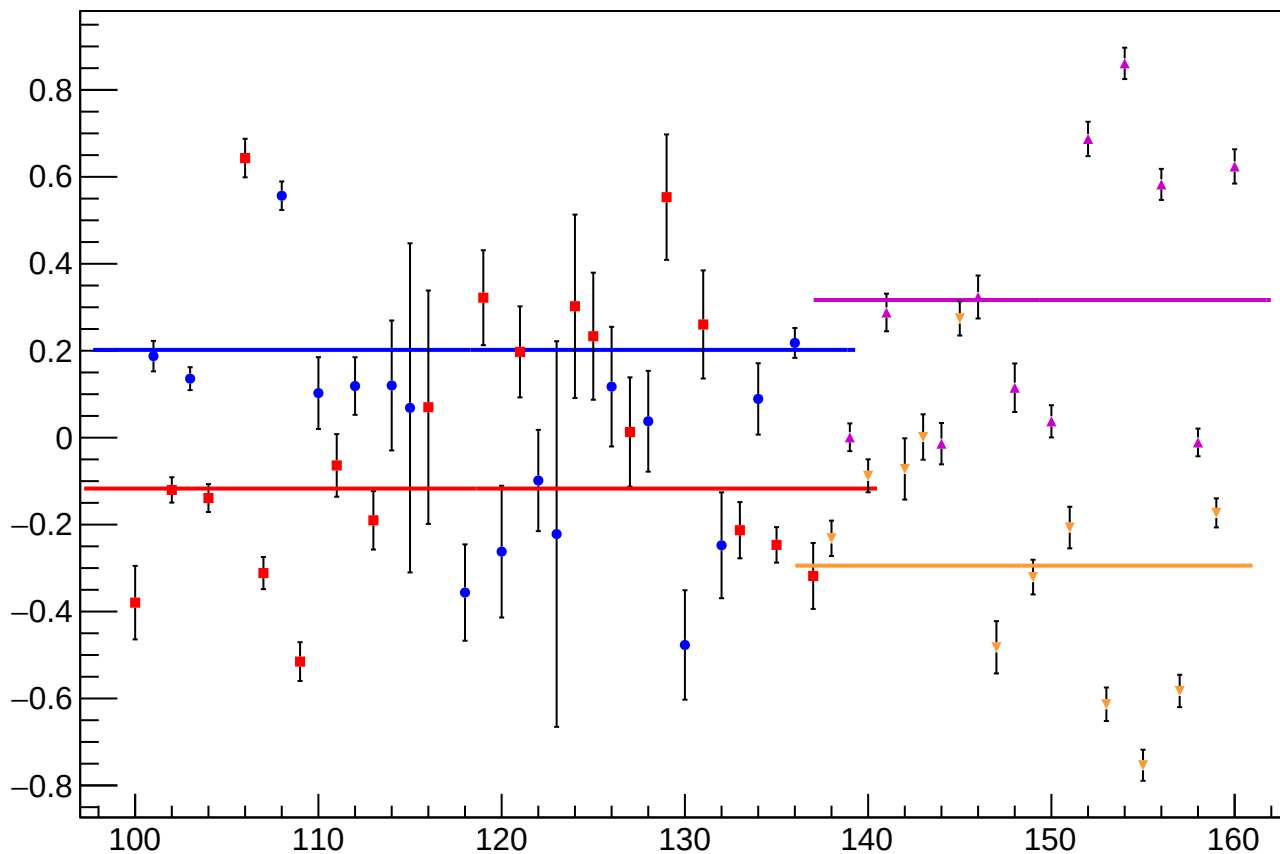
Left In: -85.925+/-0.263 χ^2/NDF : 723.6/10

68.565+/-0.199 χ^2/NDF : 35989.7/28

-1.090+/-0.139 χ^2/NDF : 316227.5/58

-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: -0.294 ± 0.012 χ^2/NDF : 604.5/11

Right Out: -0.117 ± 0.013 χ^2/NDF : 499.6/18

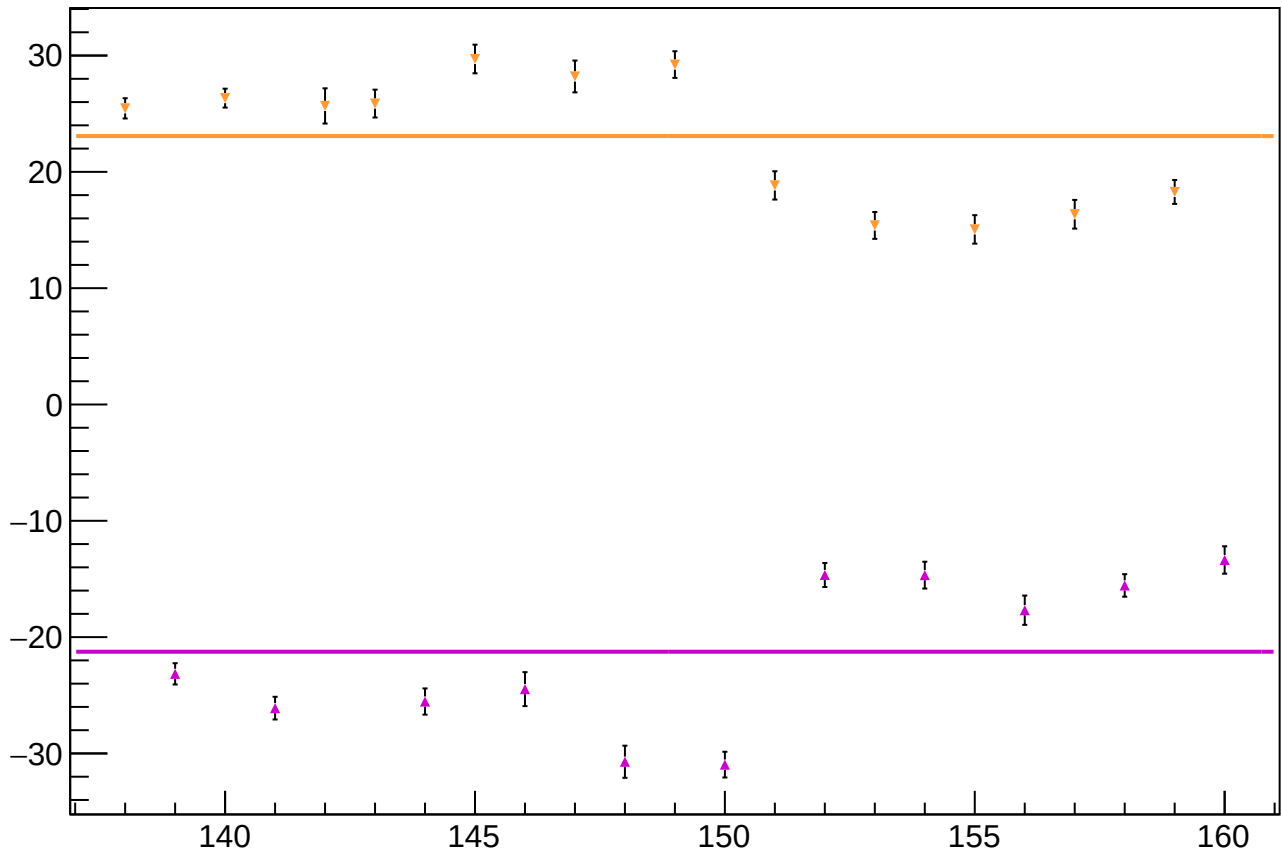
Left In: 0.317 ± 0.012 χ^2/NDF : 754.1/10

-0.085 ± 0.009 χ^2/NDF : 1541.3/28

0.023 ± 0.006 χ^2/NDF : 3674.6/58

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: 23.077+/-0.322 χ^2/NDF : 254.8/11

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

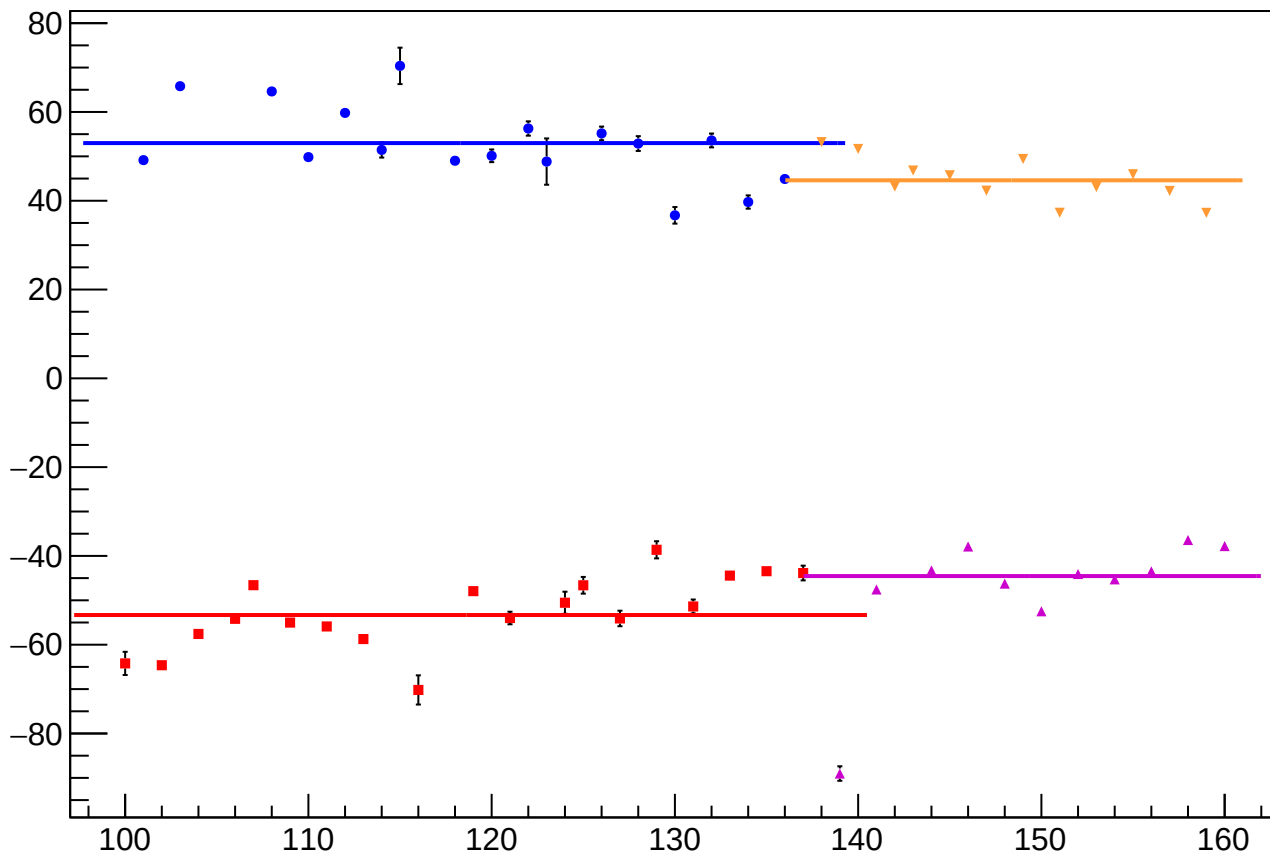
Left In: -21.255+/-0.334 χ^2/NDF : 333.2/10

23.077+/-0.322 χ^2/NDF : 254.8/11

1.706+/-0.232 χ^2/NDF : 9704.3/22

-21.255+/-0.334 χ^2/NDF : 333.2/10

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 44.607 $\pm$ 0.228 χ^2 /NDF: 490.9/11

Right Out: -53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

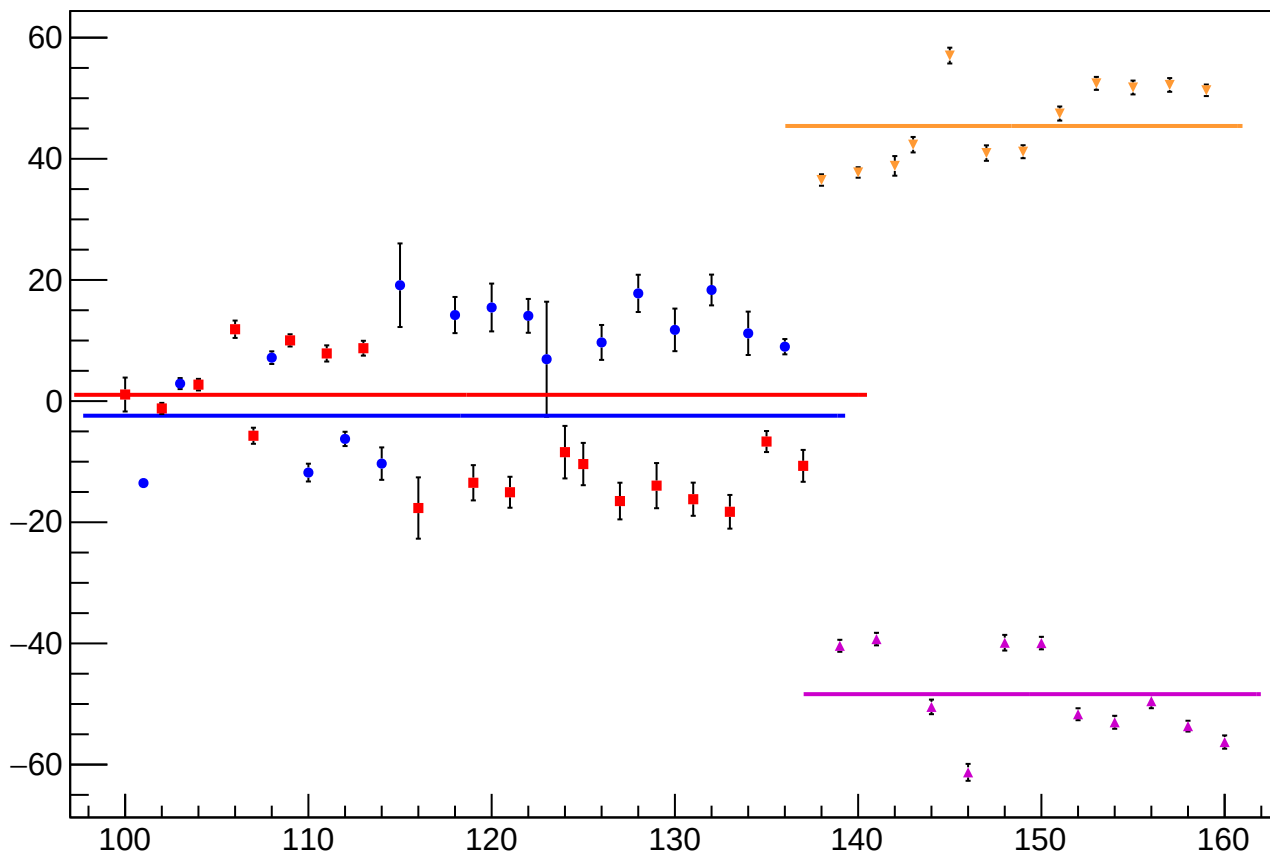
Left In: -44.540 $\pm$ 0.238 χ^2 /NDF: 1162.0/10

49.118 $\pm$ 0.155 χ^2 /NDF: 2418.6/28

2.884 $\pm$ 0.113 χ^2 /NDF: 194964.2/58

-49.137 $\pm$ 0.164 χ^2 /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: 45.420+/-0.320 χ^2/NDF : 448.5/11

Right Out: 1.040+/-0.377 χ^2/NDF : 507.5/18

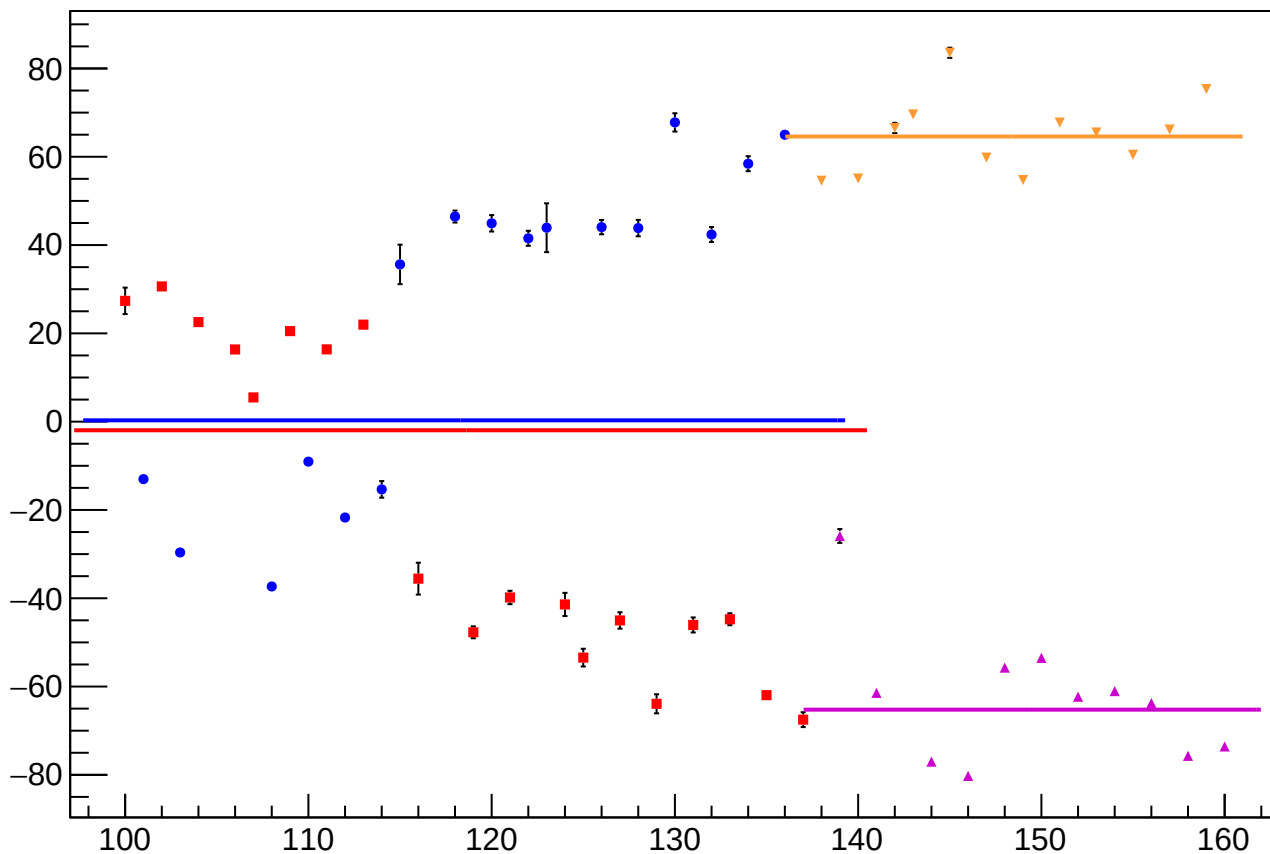
Left In: -48.375+/-0.326 χ^2/NDF : 457.8/10

24.600+/-0.240 χ^2/NDF : 11015.9/28

-0.637+/-0.172 χ^2/NDF : 44441.4/58

-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: 64.585 ± 0.270 χ^2/NDF : 924.5/11

Right Out: -1.952 ± 0.267 χ^2/NDF : 15450.6/18

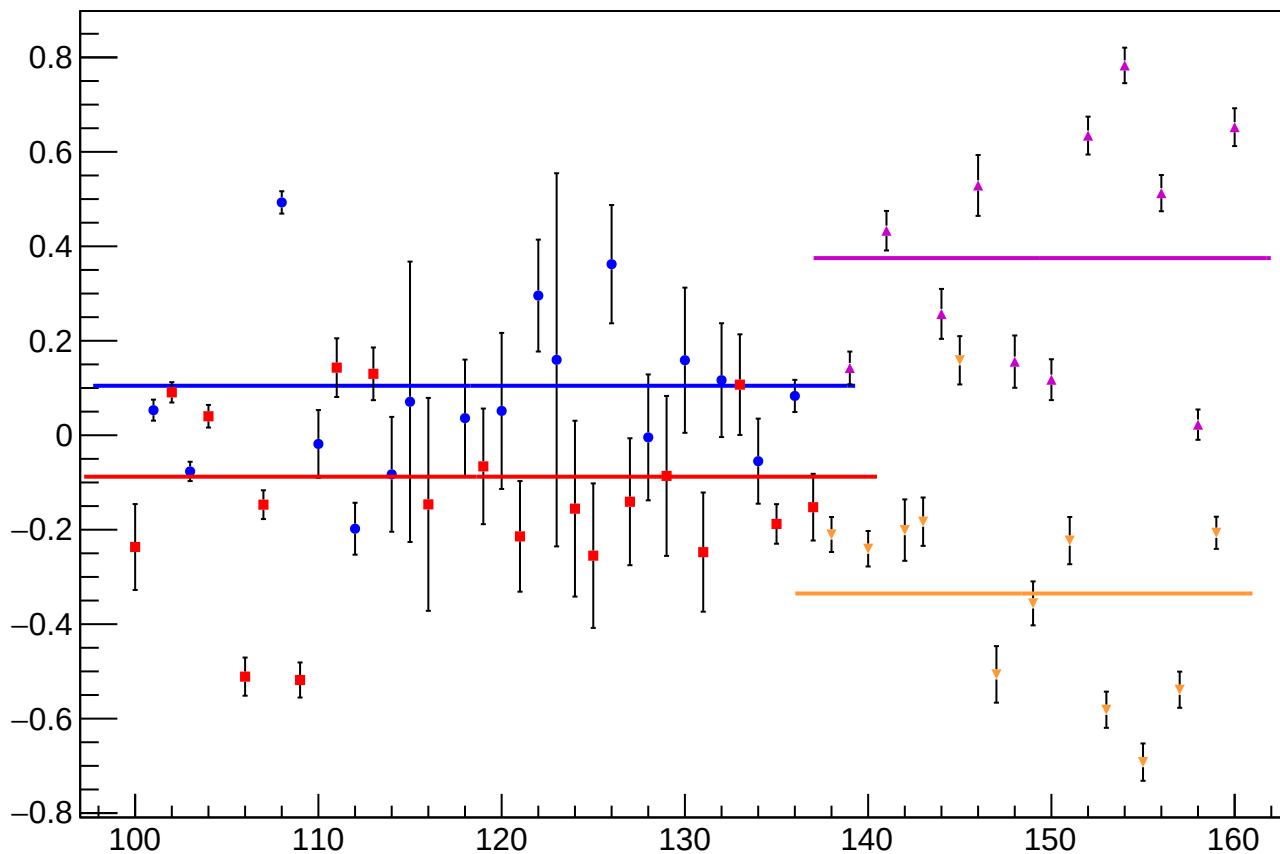
Left In: -65.234 ± 0.277 χ^2/NDF : 1617.2/10

29.626 ± 0.182 χ^2/NDF : 49979.8/28

0.228 ± 0.132 χ^2/NDF : 148877.6/58

-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: -0.335 ± 0.012 $\chi^2/\text{NDF}: 302.9/11$

Right Out: -0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

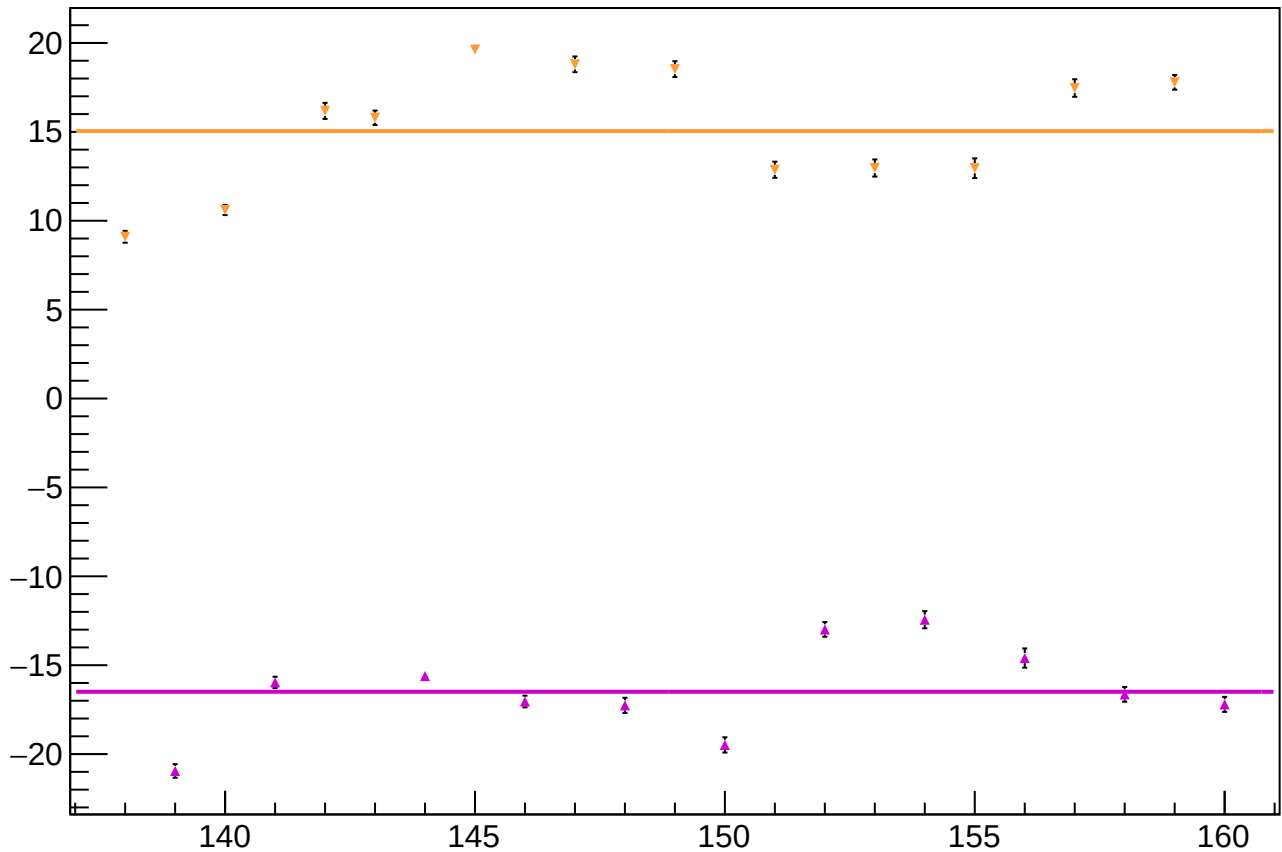
Left In: 0.375 ± 0.012 $\chi^2/\text{NDF}: 449.7/10$

-0.089 ± 0.008 $\chi^2/\text{NDF}: 1402.0/28$

0.014 ± 0.006 $\chi^2/\text{NDF}: 3325.2/58$

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: 15.043+/-0.113 χ^2/NDF : 1104.4/11

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

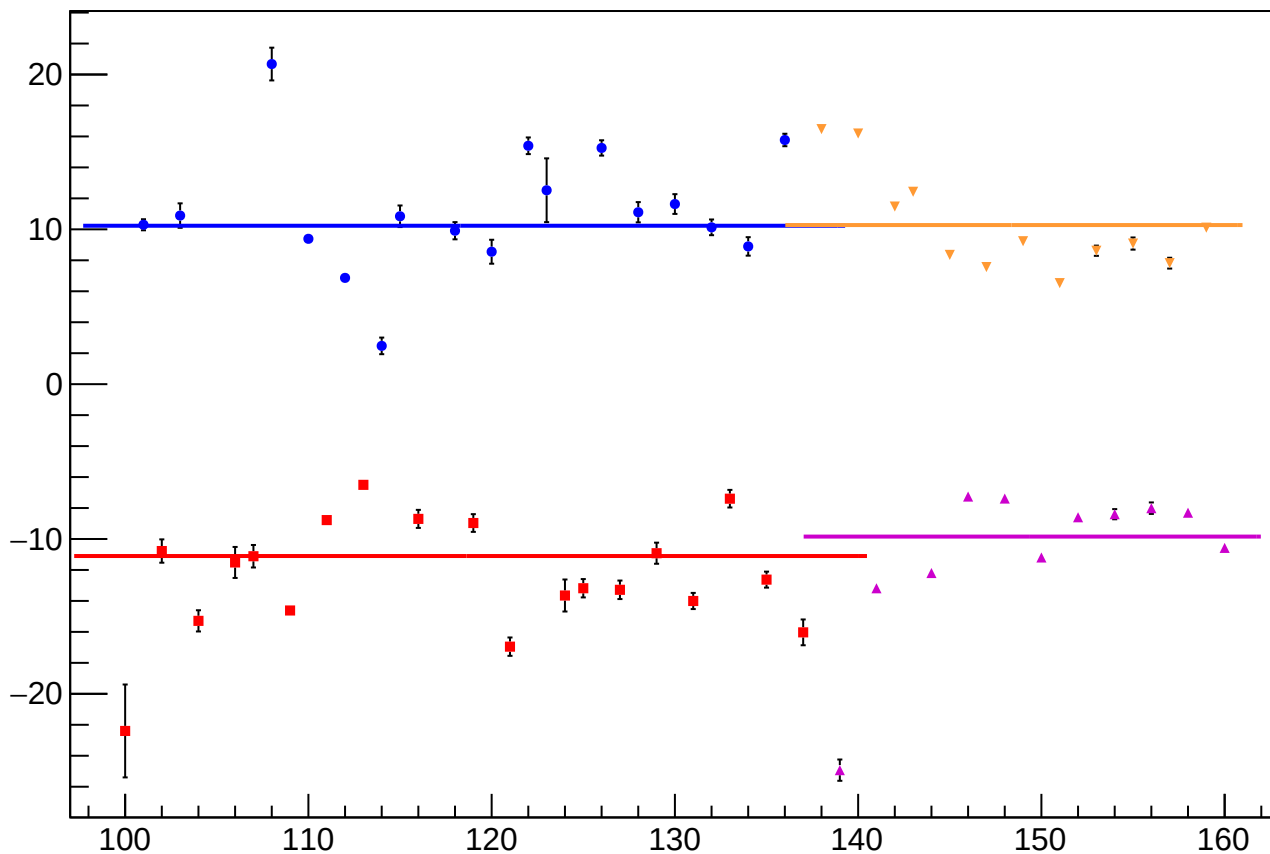
Left In: -16.494+/-0.116 χ^2/NDF : 359.1/10

15.043+/-0.113 χ^2/NDF : 1104.4/11

-0.338+/-0.081 χ^2/NDF : 39310.2/22

-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: 10.277 ± 0.079 χ^2/NDF : 1644.0/11

Right Out: -11.100 ± 0.116 χ^2/NDF : 817.8/18

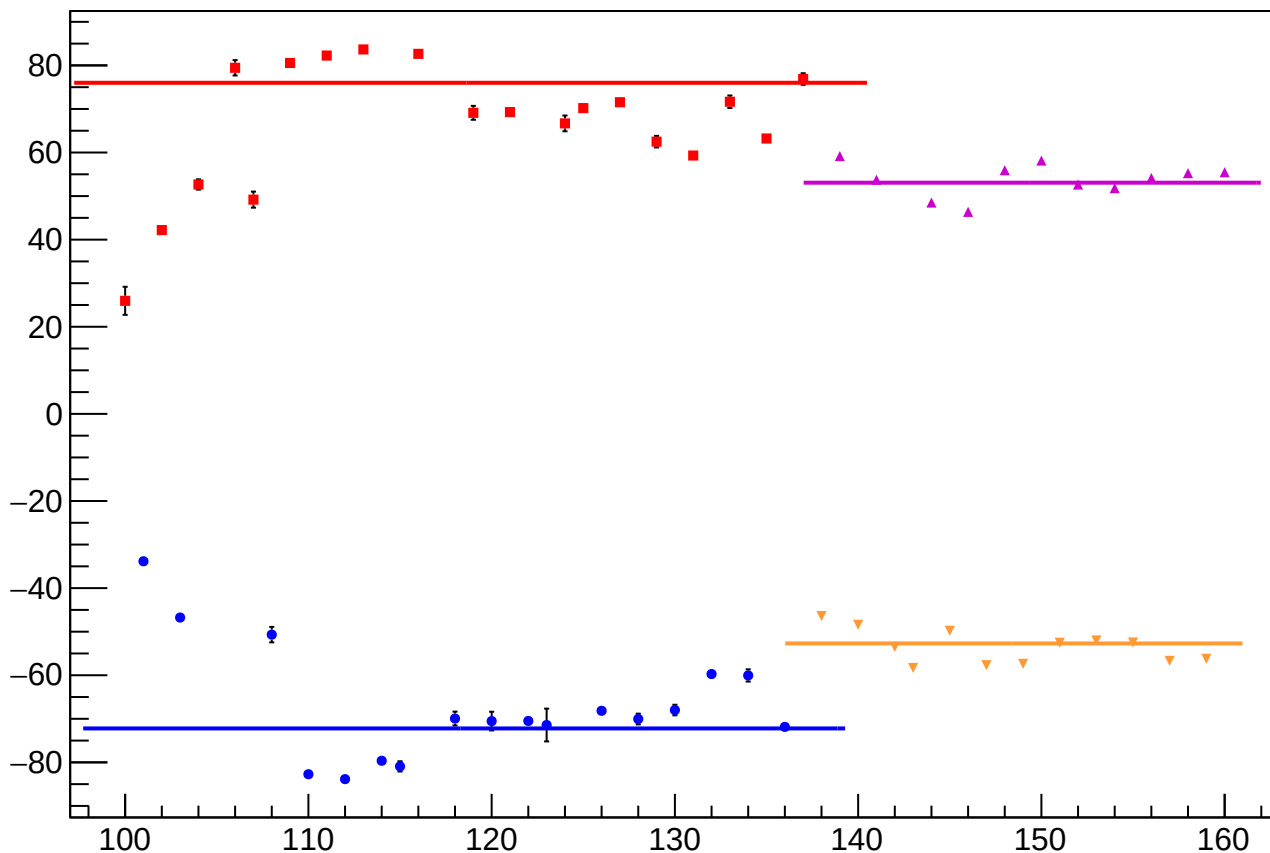
Left In: -9.844 ± 0.079 χ^2/NDF : 1264.8/10

10.263 ± 0.066 χ^2/NDF : 2520.8/28

-0.046 ± 0.046 χ^2/NDF : 53362.8/58

-10.242 ± 0.066 χ^2/NDF : 2162.2/29

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -52.701 ± 0.114 $\chi^2/\text{NDF}: 1206.7/11$

Right Out: 76.009 ± 0.181 $\chi^2/\text{NDF}: 3463.3/18$

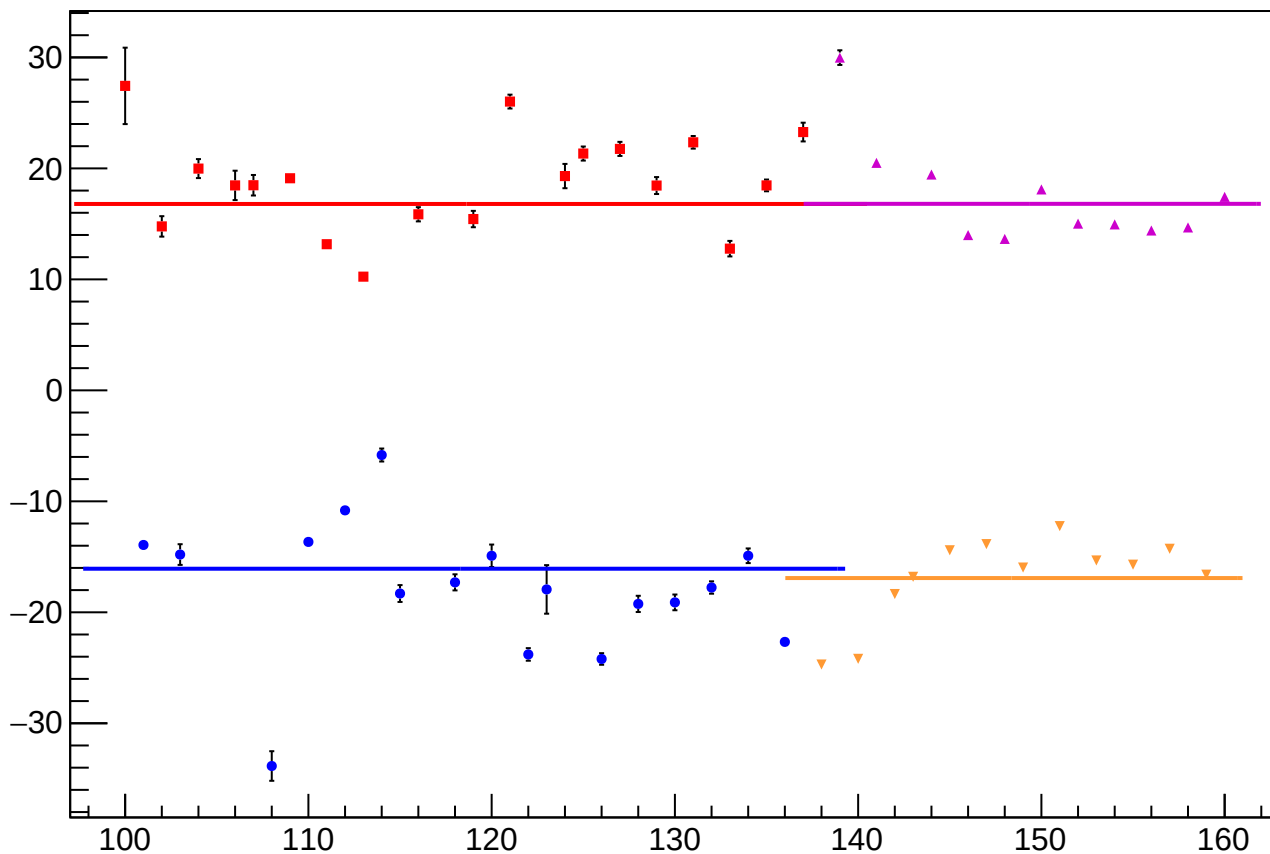
Left In: 53.073 ± 0.114 $\chi^2/\text{NDF}: 1188.8/10$

-57.555 ± 0.099 $\chi^2/\text{NDF}: 14067.2/28$

2.290 ± 0.069 $\chi^2/\text{NDF}: 749165.3/58$

59.615 ± 0.097 $\chi^2/\text{NDF}: 16131.7/29$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -16.914 ± 0.095 χ^2/NDF : 1602.4/11

Right Out: 16.795 ± 0.128 χ^2/NDF : 1216.0/18

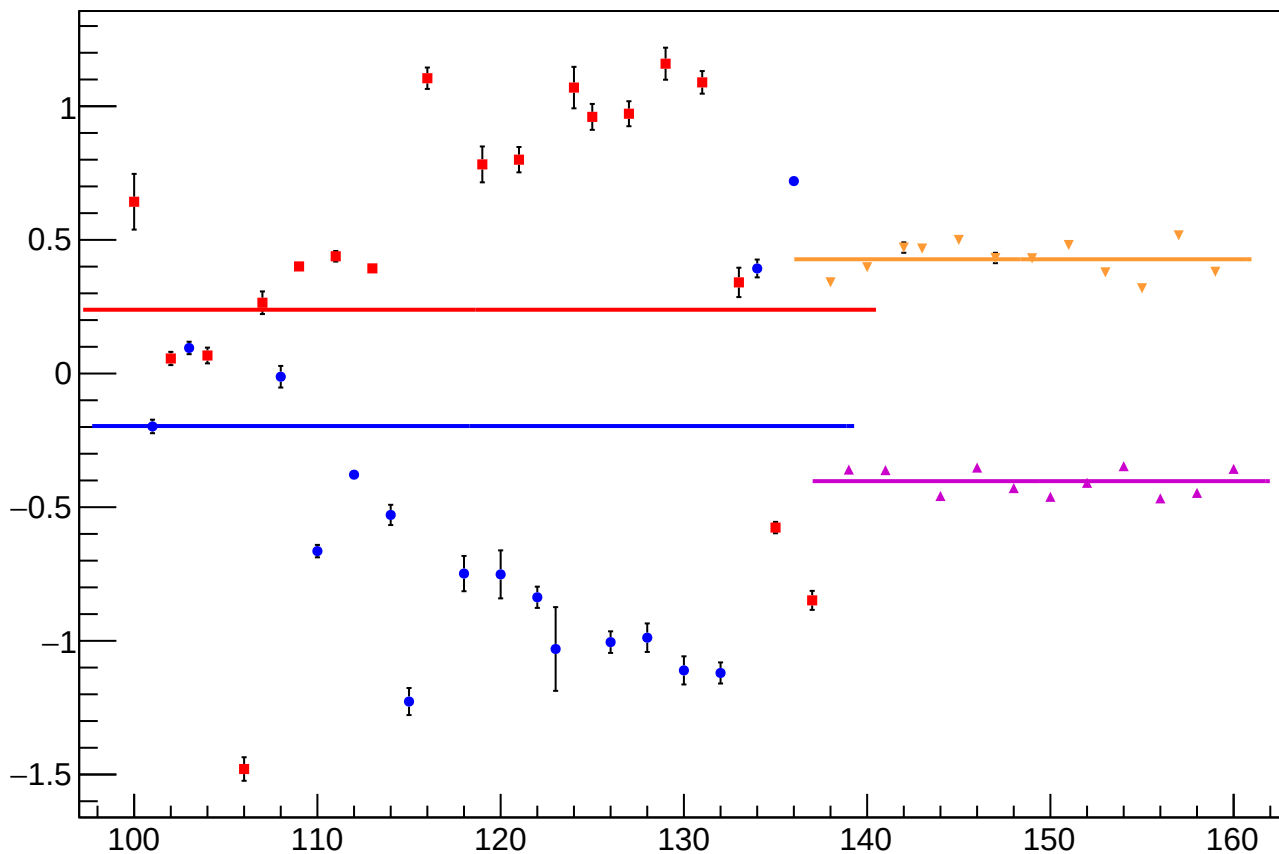
Left In: 16.806 ± 0.095 χ^2/NDF : 1094.7/10

-16.629 ± 0.077 χ^2/NDF : 3269.5/28

0.295 ± 0.054 χ^2/NDF : 100729.0/58

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: 0.427 ± 0.005 χ^2/NDF : 190.7/11

Right Out: 0.239 ± 0.007 χ^2/NDF : 6188.6/18

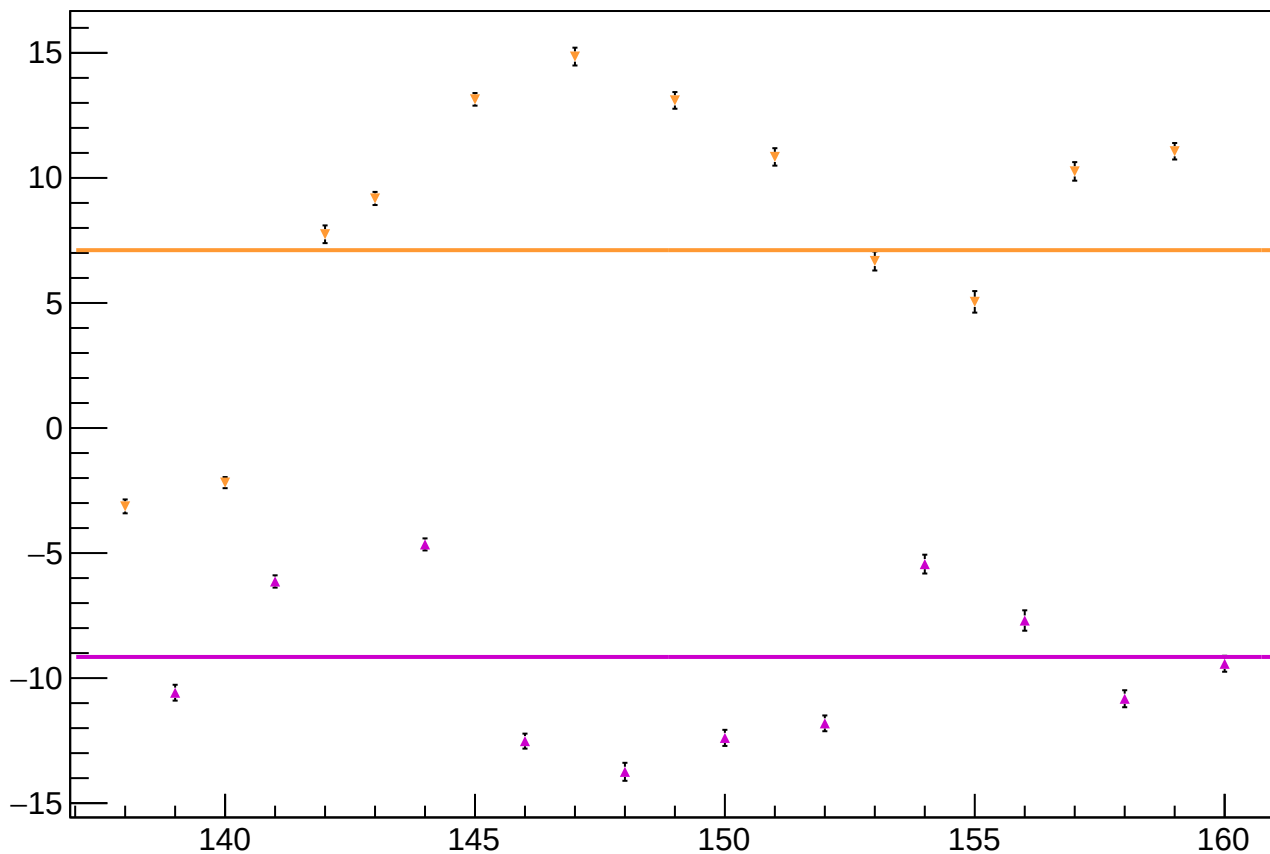
Left In: -0.403 ± 0.005 χ^2/NDF : 110.6/10

0.263 ± 0.004 χ^2/NDF : 11551.8/28

0.018 ± 0.003 χ^2/NDF : 31492.6/58

-0.221 ± 0.004 χ^2/NDF : 12017.6/29

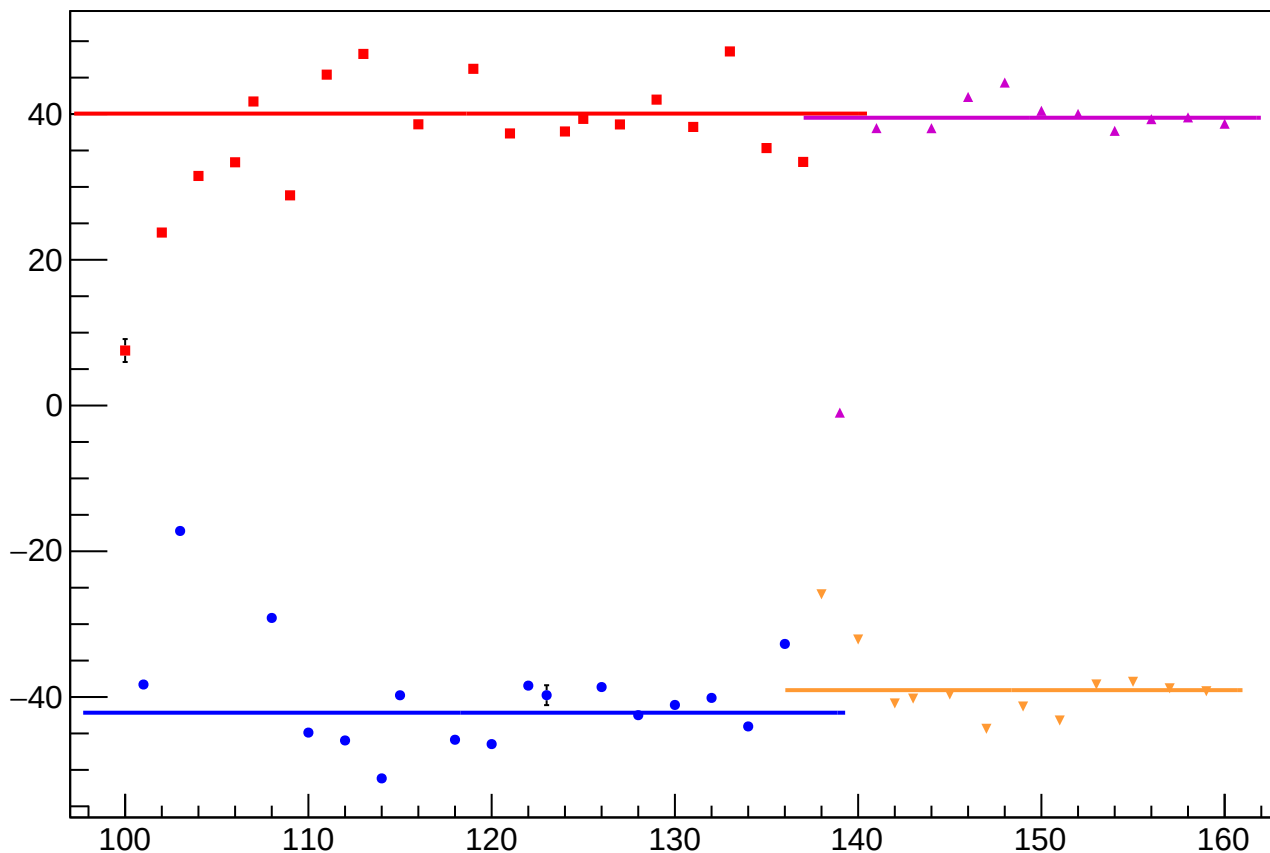
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.111 $\pm$ 0.089 χ^2 /NDF:4888.8/11
 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

7.111 $\pm$ 0.089 χ^2 /NDF: 4888.8/11
 -0.632 $\pm$ 0.065 χ^2 /NDF: 21774.3/22
 -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 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -39.058 ± 0.062 $\chi^2/\text{NDF}: 5497.9/11$

Right Out: 40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

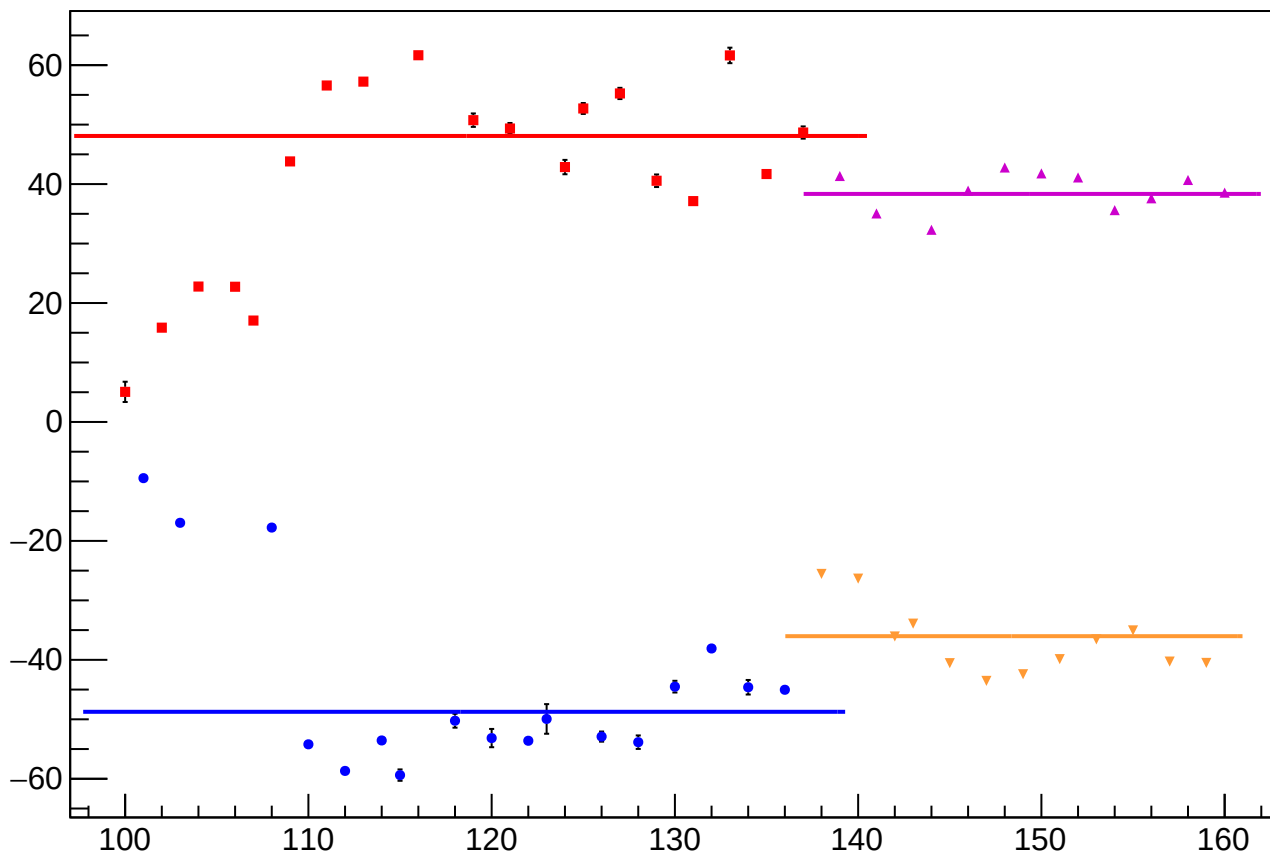
Left In: 39.494 ± 0.065 $\chi^2/\text{NDF}: 6310.3/10$

-40.260 ± 0.049 $\chi^2/\text{NDF}: 13018.1/28$

-0.057 ± 0.034 $\chi^2/\text{NDF}: 1391333.8/58$

39.745 ± 0.048 $\chi^2/\text{NDF}: 17666.5/29$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -36.021 ± 0.090 $\chi^2/\text{NDF}: 4665.1/11$

Right Out: 48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

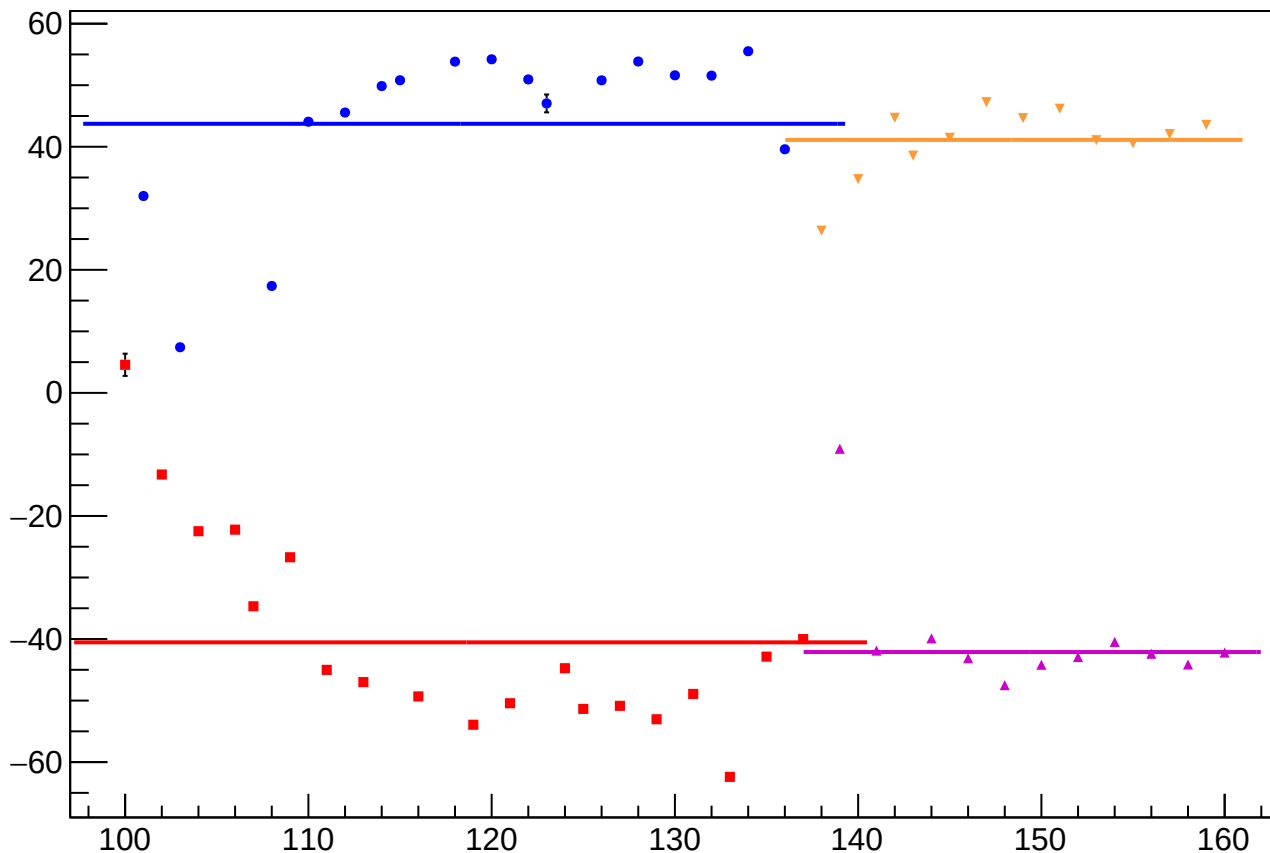
Left In: 38.346 ± 0.092 $\chi^2/\text{NDF}: 1294.3/10$

-40.365 ± 0.073 $\chi^2/\text{NDF}: 26184.4/28$

2.742 ± 0.050 $\chi^2/\text{NDF}: 717754.7/58$

42.488 ± 0.070 $\chi^2/\text{NDF}: 17777.1/29$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 ± 0.087 $\chi^2/\text{NDF}: 10567.7/16$

Left Out: 41.115 ± 0.075 $\chi^2/\text{NDF}: 4780.3/11$

Right Out: -40.537 ± 0.080 $\chi^2/\text{NDF}: 17601.3/18$

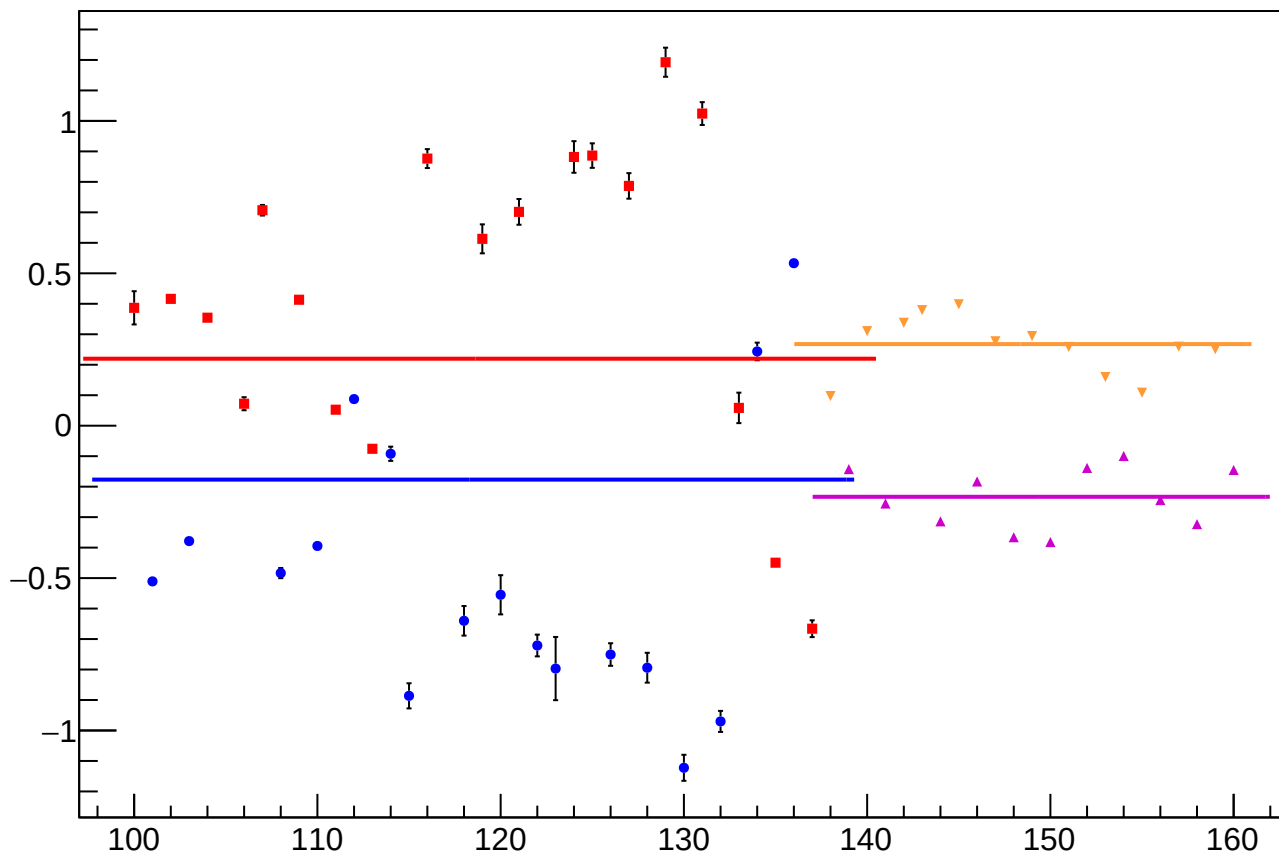
Left In: -42.111 ± 0.077 $\chi^2/\text{NDF}: 4466.1/10$

42.225 ± 0.057 $\chi^2/\text{NDF}: 15870.4/28$

-0.418 ± 0.040 $\chi^2/\text{NDF}: 1152184.6/58$

-41.359 ± 0.055 $\chi^2/\text{NDF}: 22268.6/29$

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.268 ± 0.004 χ^2/NDF : 706.7/11

Right Out: 0.220 ± 0.004 χ^2/NDF : 7430.4/18

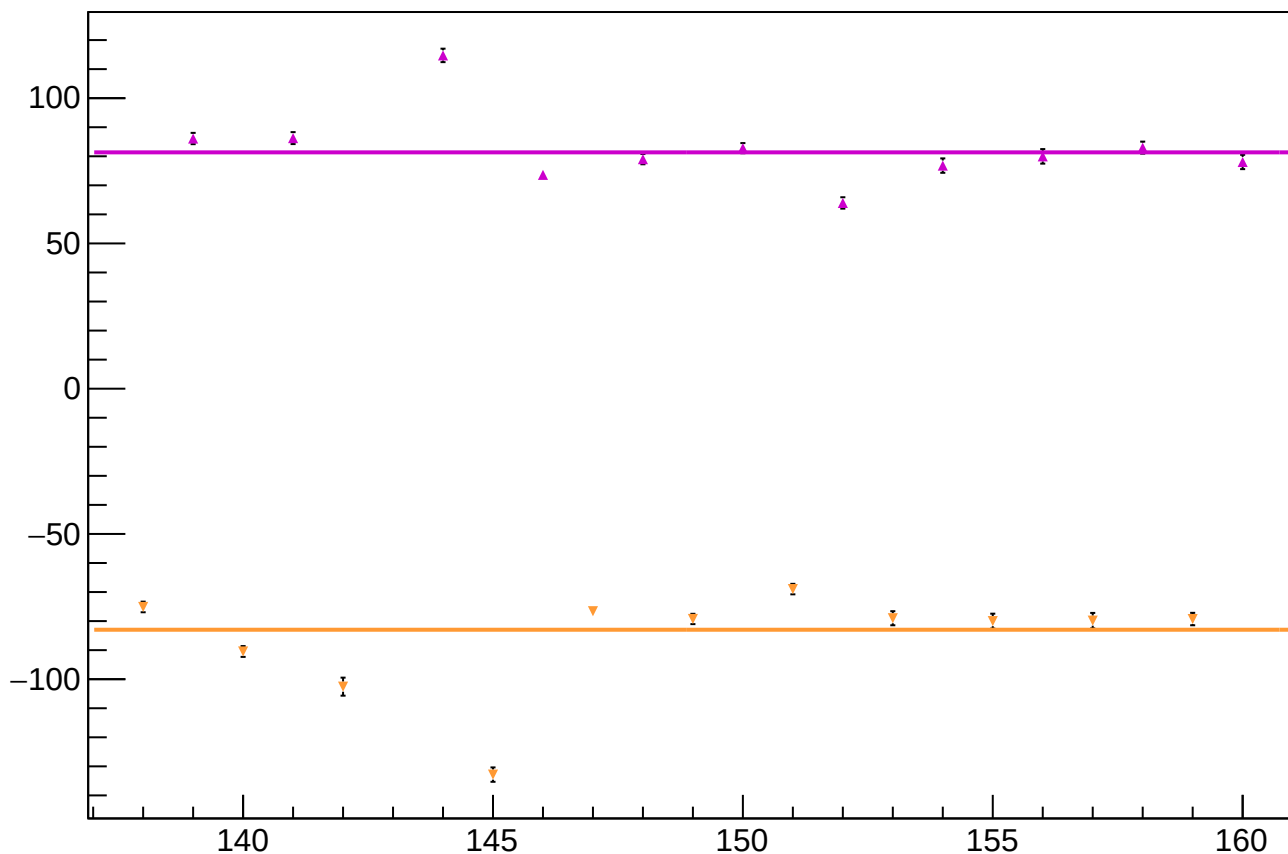
Left In: -0.233 ± 0.004 χ^2/NDF : 657.9/10

0.112 ± 0.003 χ^2/NDF : 13559.1/28

0.031 ± 0.002 χ^2/NDF : 29719.4/58

-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: -82.973+/-0.633 χ^2/NDF : 566.4/10

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

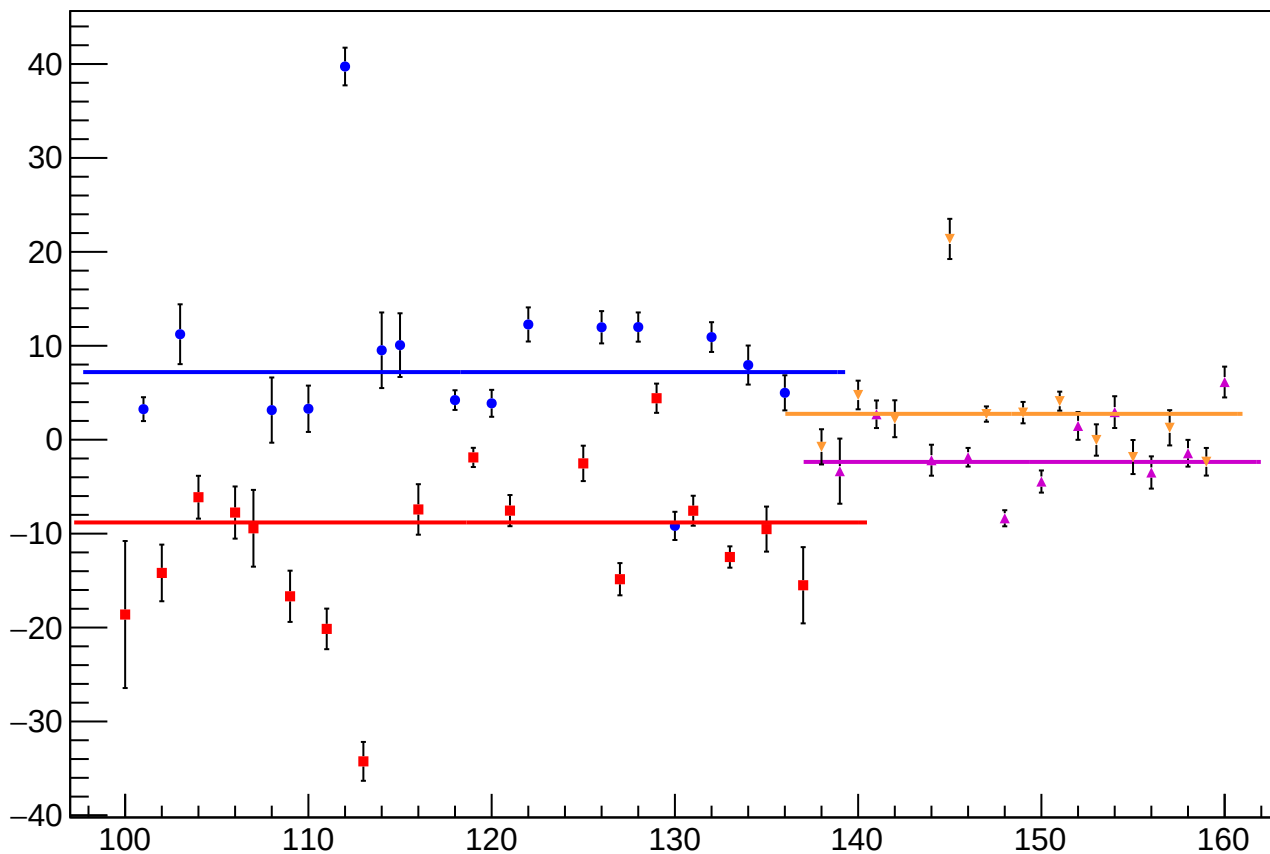
Left In: 81.350+/-0.613 χ^2/NDF : 327.4/10

-82.973+/-0.633 χ^2/NDF : 566.4/10

1.826+/-0.440 χ^2/NDF : 35702.0/21

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: 2.753 ± 0.413 χ^2/NDF : 104.7/10

Right Out: -8.810 ± 0.448 χ^2/NDF : 349.7/17

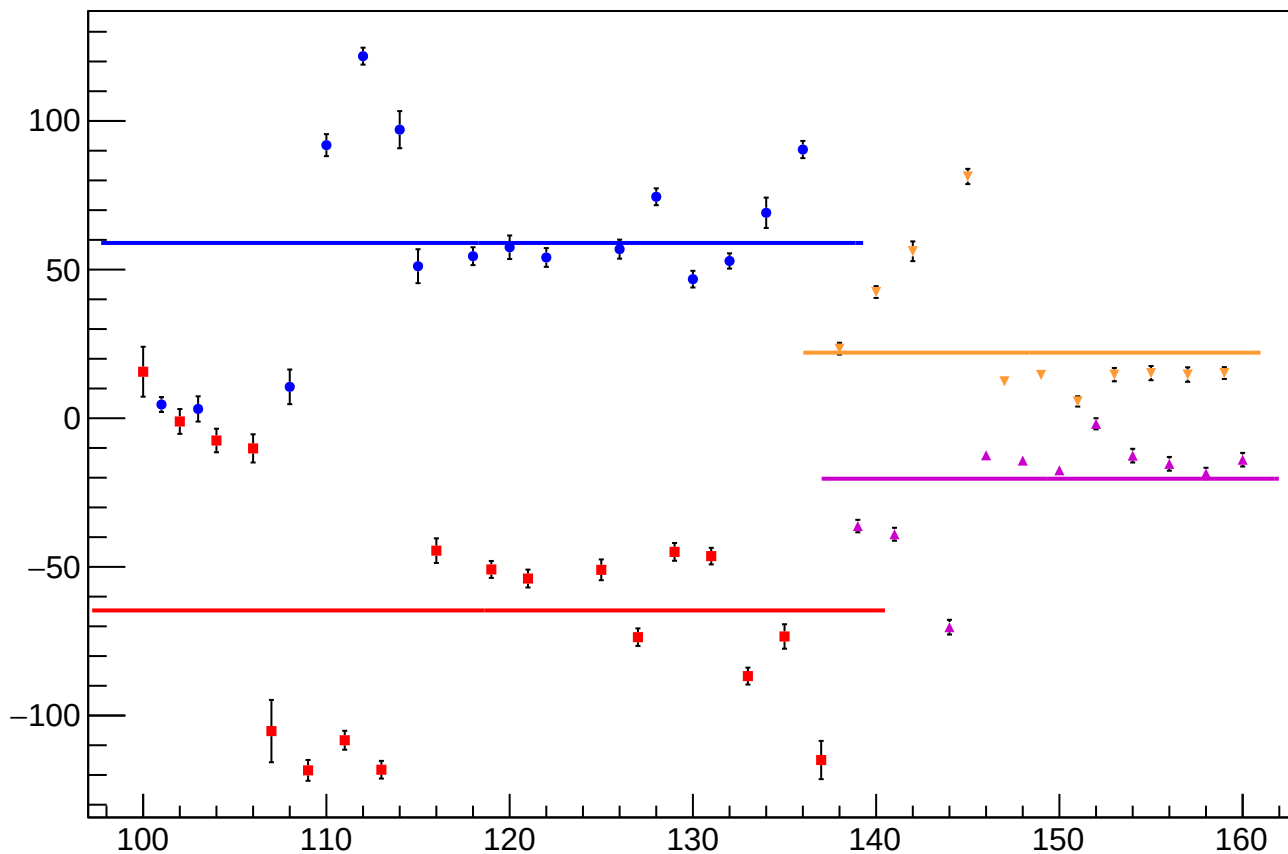
Left In: -2.366 ± 0.407 χ^2/NDF : 108.8/10

4.841 ± 0.301 χ^2/NDF : 602.8/26

-0.218 ± 0.213 χ^2/NDF : 1739.3/55

-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: 22.061+/-0.617 χ^2/NDF : 930.3/10

Right Out: -64.655+/-0.840 χ^2/NDF : 1721.8/17

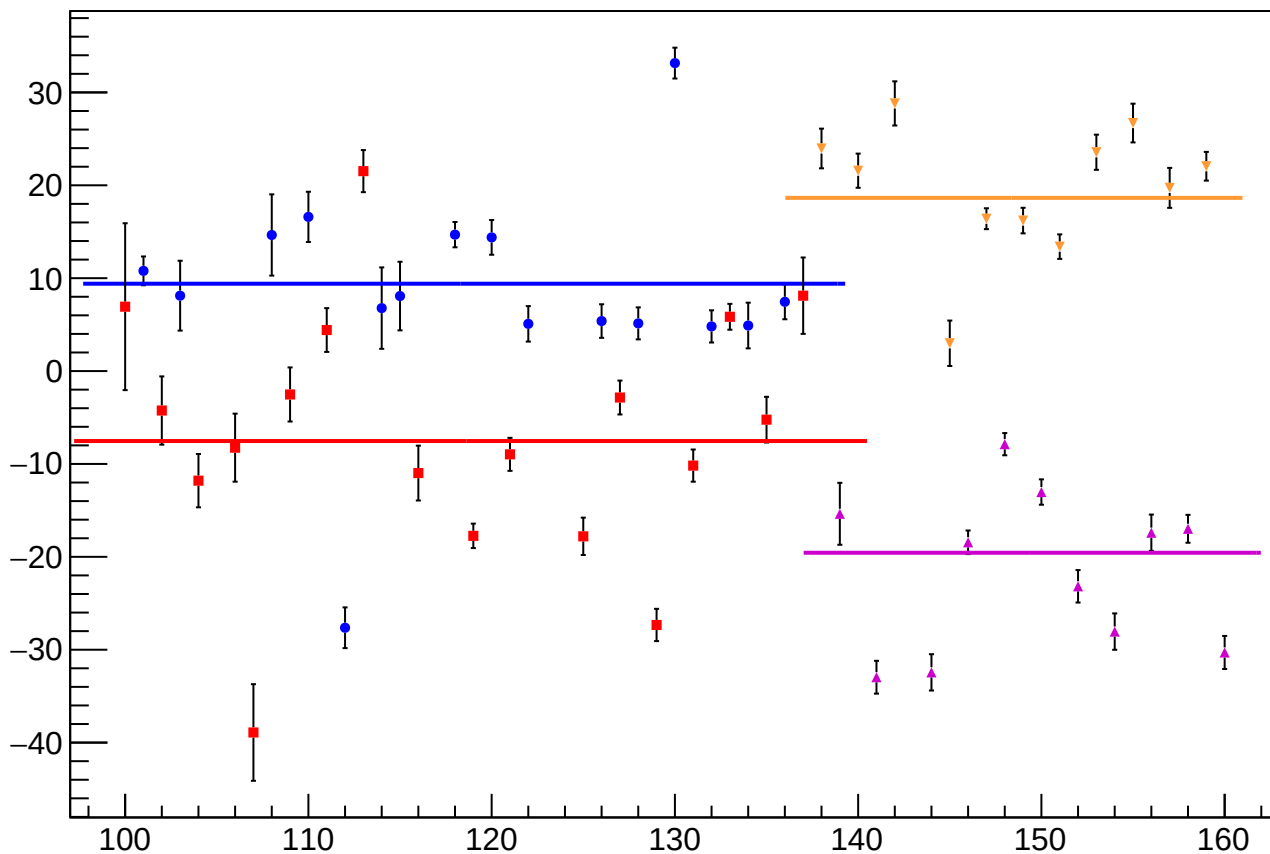
Left In: -20.339+/-0.594 χ^2/NDF : 697.8/10

35.043+/-0.496 χ^2/NDF : 3686.9/26

-0.862+/-0.347 χ^2/NDF : 18181.5/55

-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 χ^2/NDF : 549.5/15

Left Out: 18.649 ± 0.507 χ^2/NDF : 117.7/10

Right Out: -7.533 ± 0.515 χ^2/NDF : 569.8/17

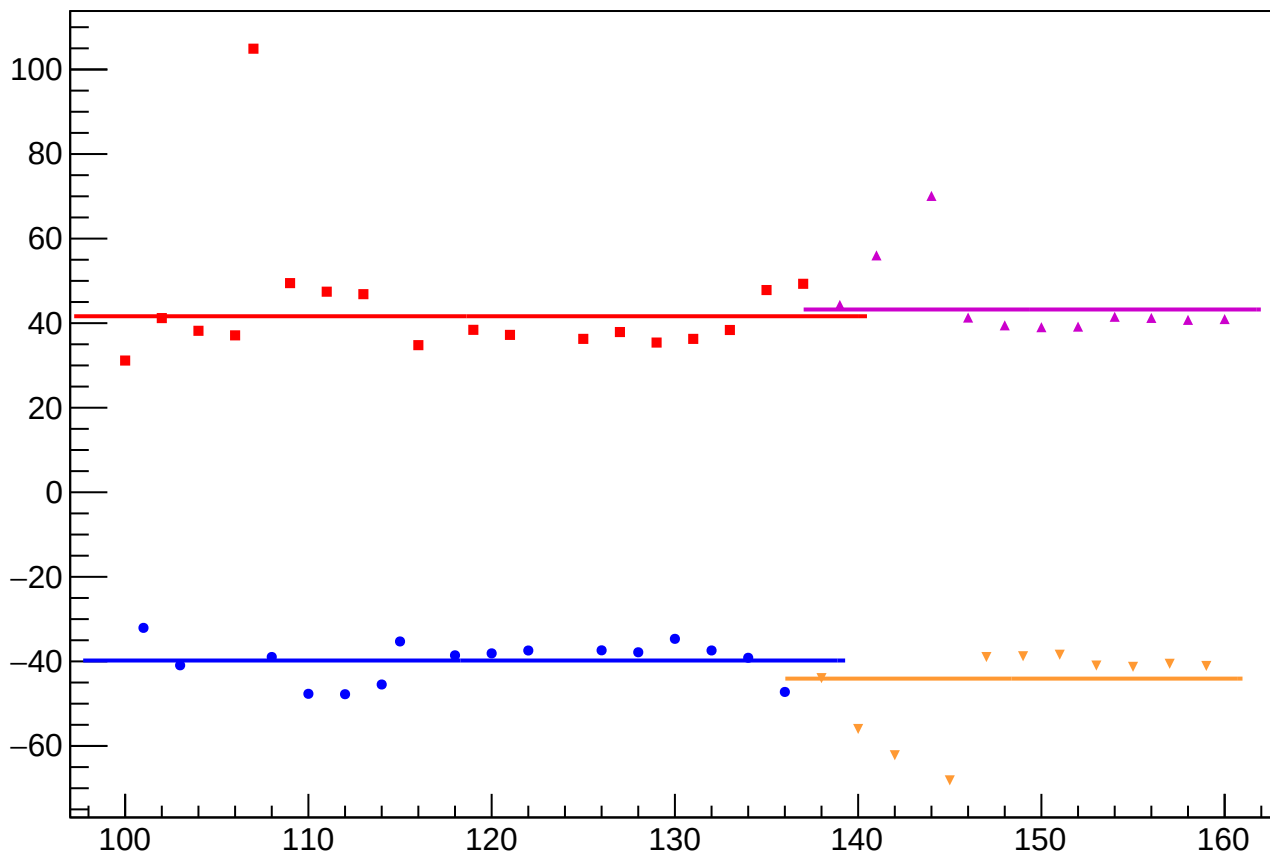
Left In: -19.561 ± 0.492 χ^2/NDF : 285.3/10

14.028 ± 0.358 χ^2/NDF : 833.7/26

-0.001 ± 0.252 χ^2/NDF : 5018.5/55

-13.823 ± 0.356 χ^2/NDF : 1140.5/28

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 $\pm$ 0.031 χ^2 /NDF: 26138.6/15

Left Out: -44.072 $\pm$ 0.025 χ^2 /NDF:115207.5/10

Right Out: 41.635 $\pm$ 0.031 χ^2 /NDF: 94393.1/17

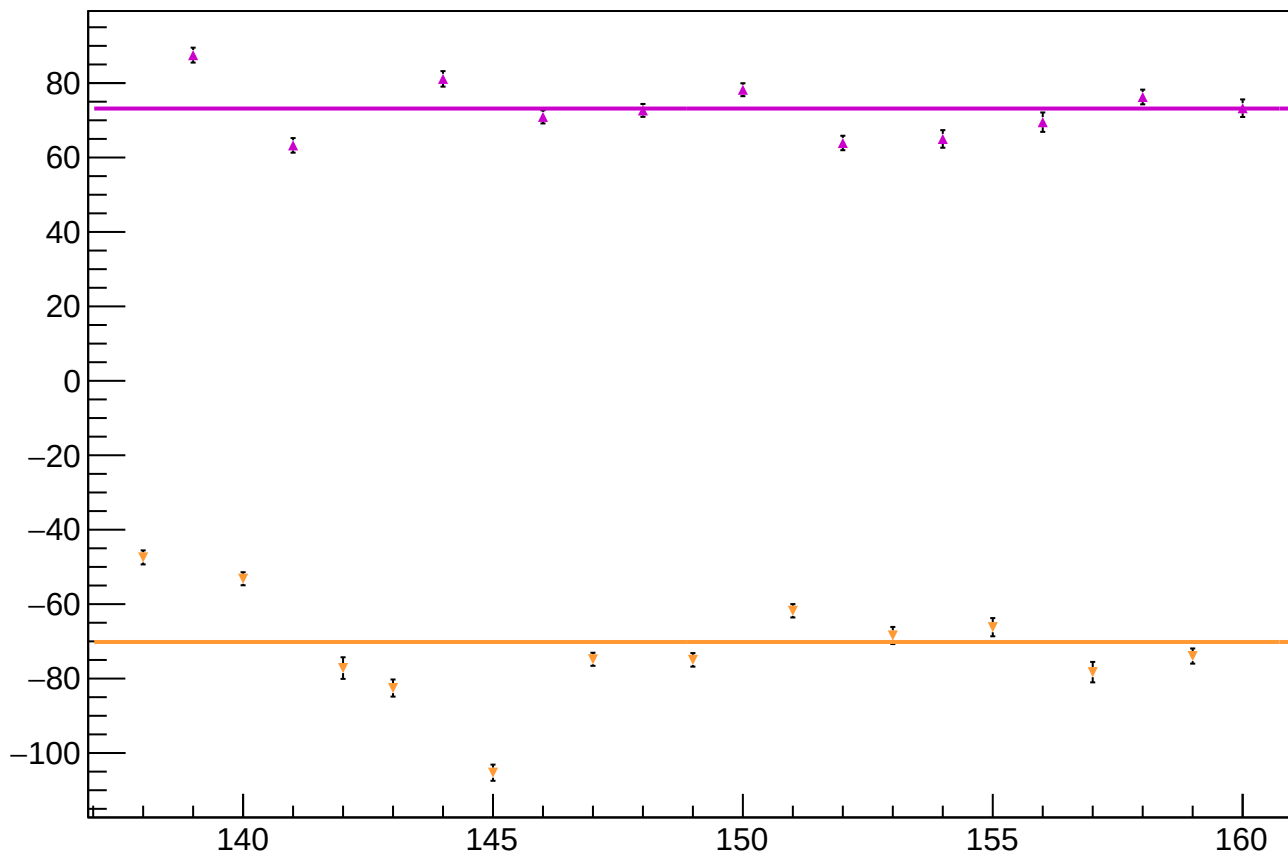
Left In: 43.231 $\pm$ 0.023 χ^2 /NDF:95279.5/10

-42.426 $\pm$ 0.019 χ^2 /NDF: 152916.9/26

1.614 $\pm$ 0.013 χ^2 /NDF: 10339608.1/55

42.659 $\pm$ 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: -70.171+/-0.599 χ^2/NDF : 586.3/11

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

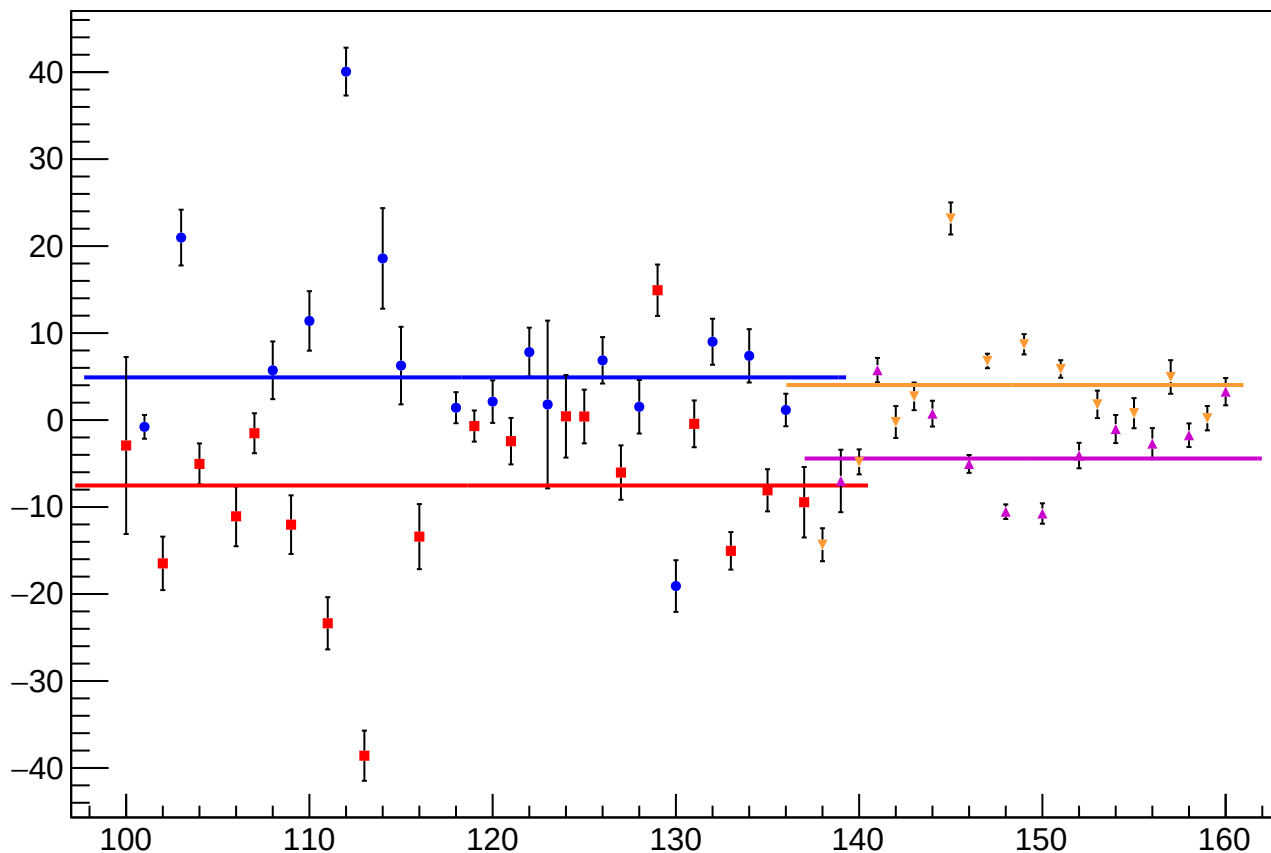
Left In: 73.157+/-0.603 χ^2/NDF : 140.4/10

-70.171+/-0.599 χ^2/NDF : 586.3/11

0.975+/-0.425 χ^2/NDF : 29175.1/22

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: 4.030 ± 0.395 χ^2/NDF : 288.9/11

Right Out: -7.523 ± 0.651 χ^2/NDF : 270.6/18

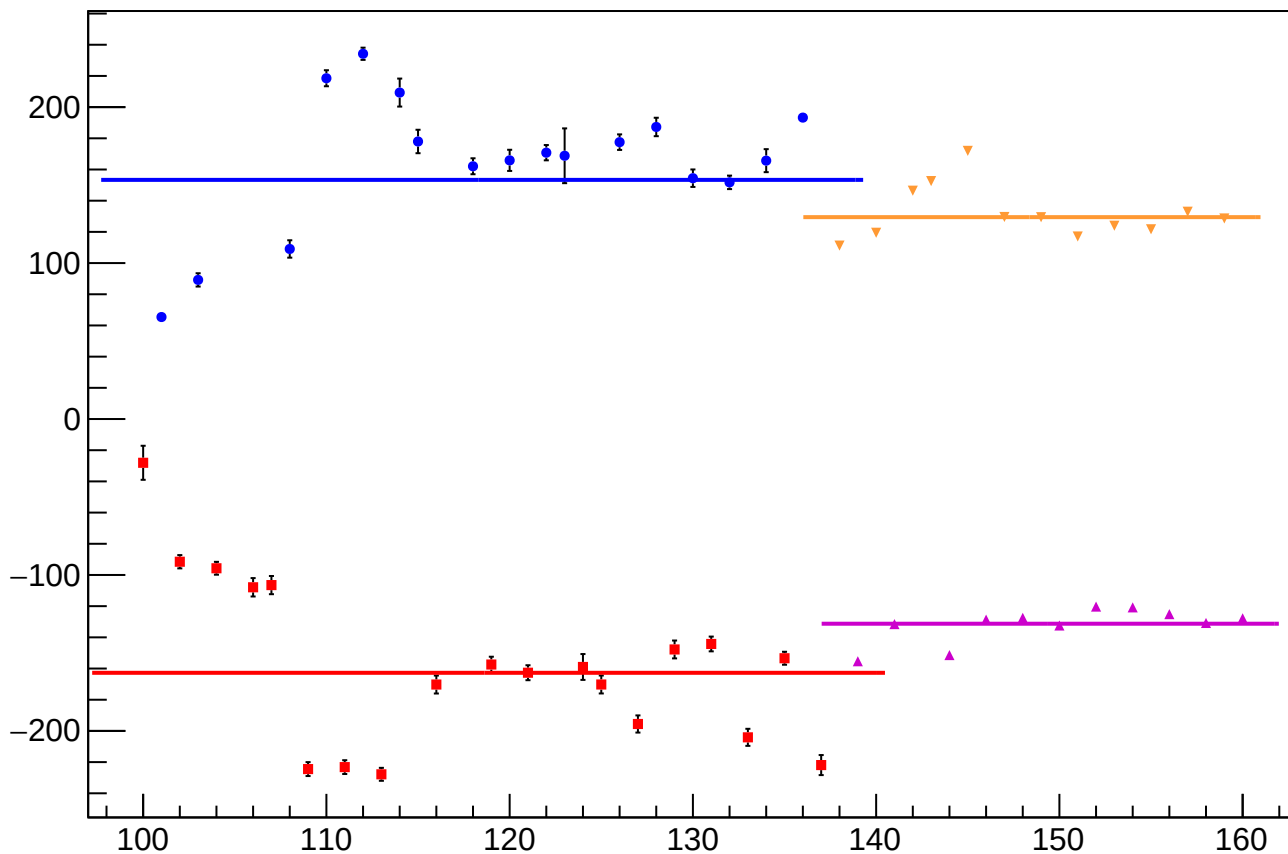
Left In: -4.422 ± 0.400 χ^2/NDF : 180.7/10

4.278 ± 0.334 χ^2/NDF : 585.7/28

-0.404 ± 0.239 χ^2/NDF : 1453.7/58

-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: 129.452+/-0.588 χ^2/NDF : 650.0/11

Right Out: -162.734+/-1.177 χ^2/NDF : 1708.8/18

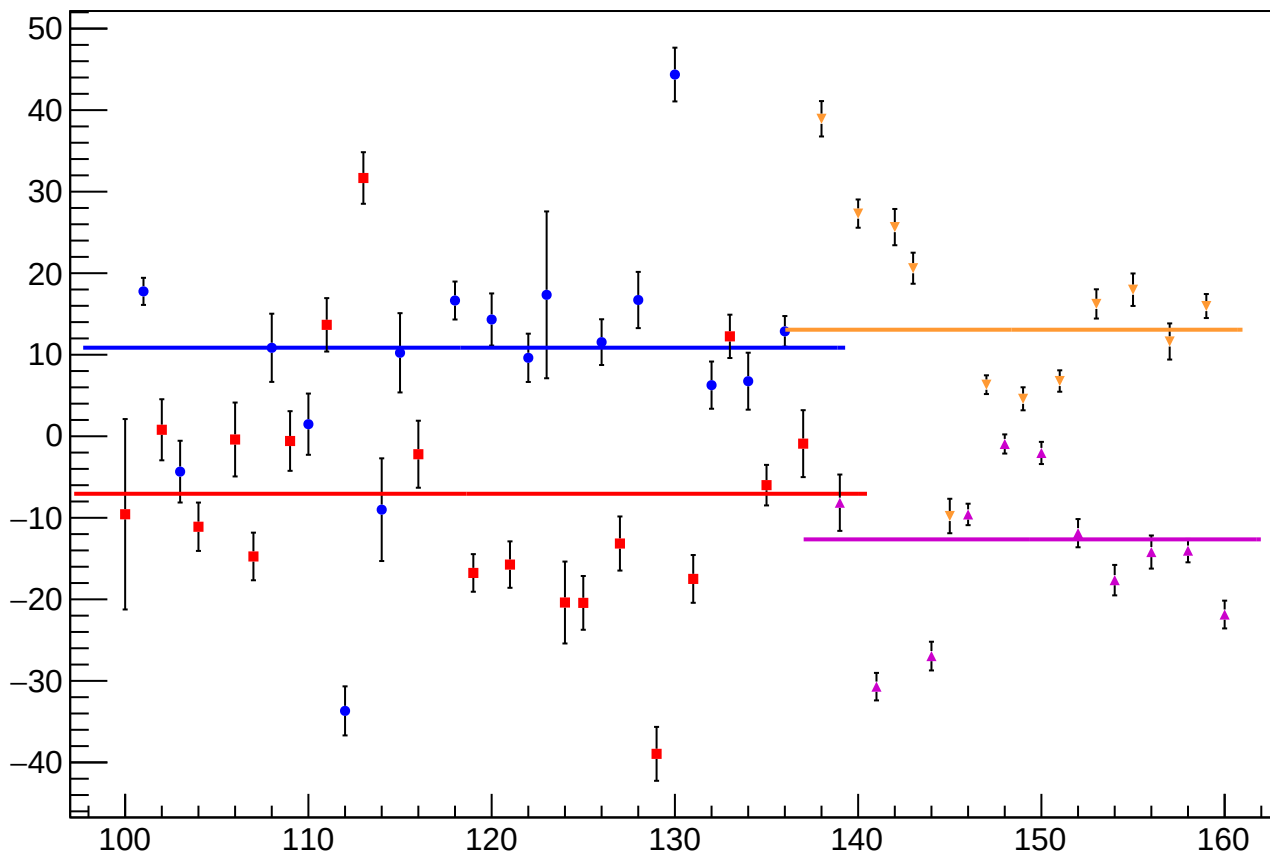
Left In: -131.260+/-0.585 χ^2/NDF : 279.0/10

134.403+/-0.524 χ^2/NDF : 3260.5/28

-1.535+/-0.370 χ^2/NDF : 140682.1/58

-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: 13.068 $\pm$ 0.482 χ^2/NDF : 481.0/11

Right Out: -7.052 $\pm$ 0.748 χ^2/NDF : 424.7/18

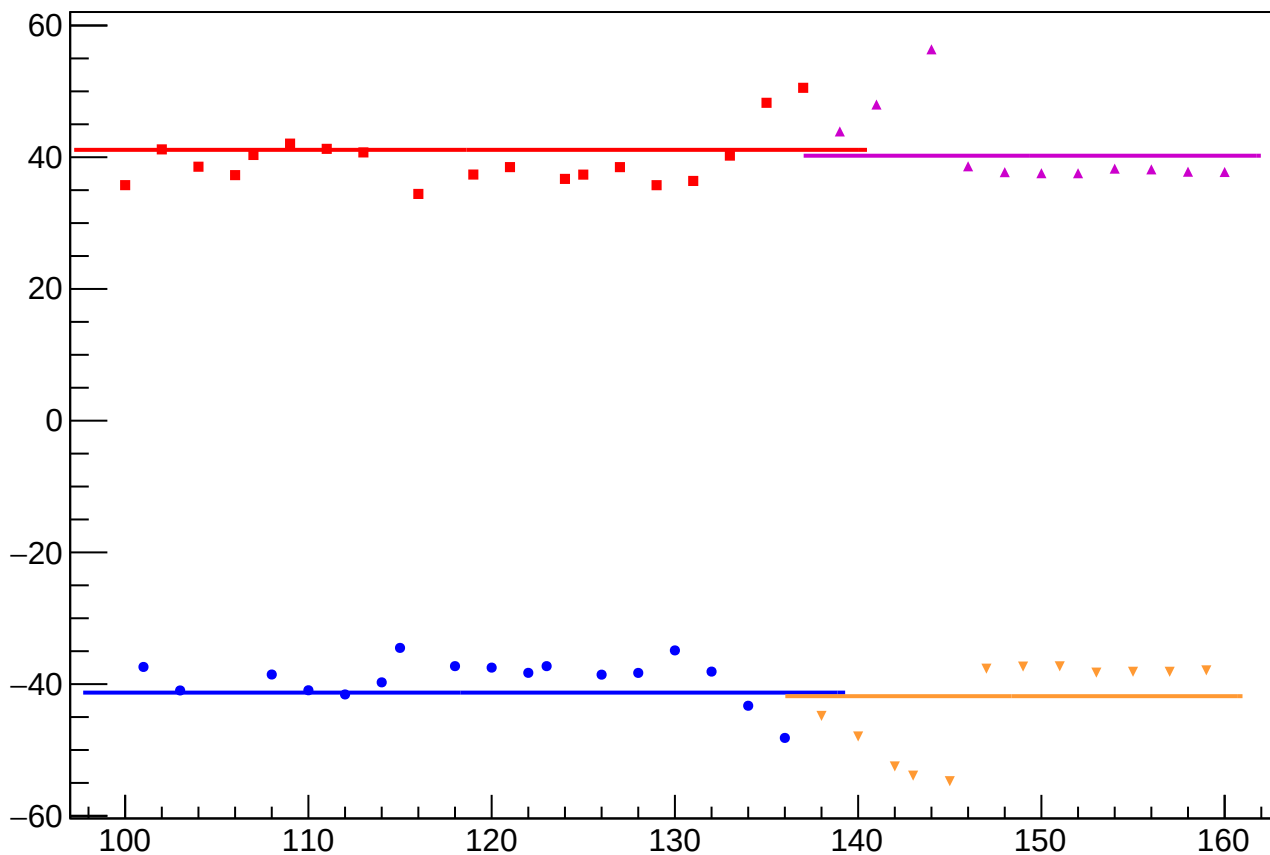
Left In: -12.646 $\pm$ 0.483 χ^2/NDF : 385.8/10

12.386 $\pm$ 0.400 χ^2/NDF : 875.4/28

0.845 $\pm$ 0.285 χ^2/NDF : 3411.0/58

-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 $\pm$ 0.039 χ^2 /NDF: 12509.1/16

Left Out: -41.830 $\pm$ 0.023 χ^2 /NDF: 69929.4/11

Right Out: 41.120 $\pm$ 0.039 χ^2 /NDF: 12110.6/18

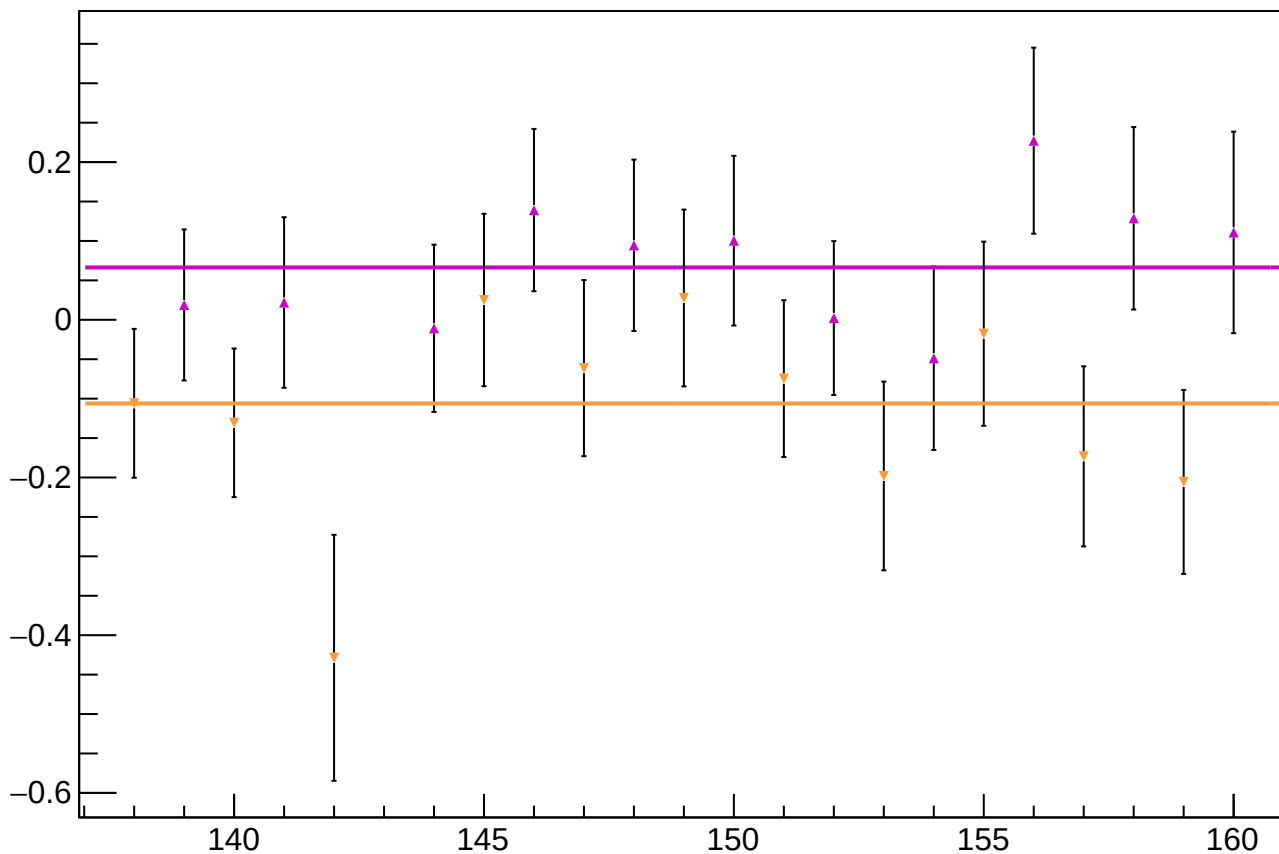
Left In: 40.230 $\pm$ 0.023 χ^2 /NDF: 46302.5/10

-41.684 $\pm$ 0.020 χ^2 /NDF: 82582.2/28

0.007 $\pm$ 0.014 χ^2 /NDF: 8648462.0/58

40.462 $\pm$ 0.020 χ^2 /NDF: 58804.9/29

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.106 $\pm$ 0.033 χ^2 /NDF: 9.7/10

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

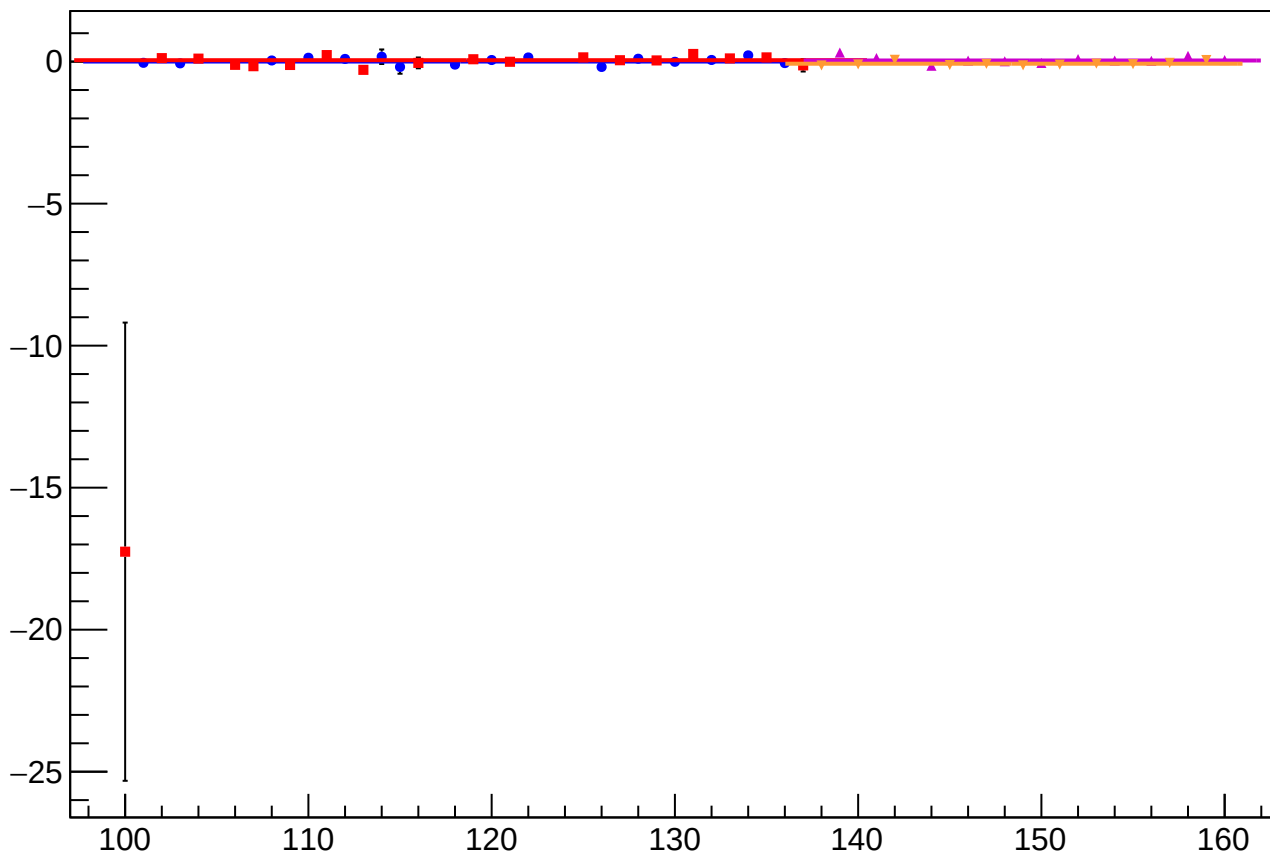
Left In: 0.066 $\pm$ 0.033 χ^2 /NDF: 5.3/10

-0.106 $\pm$ 0.033 χ^2 /NDF: 9.7/10

-0.018 $\pm$ 0.023 χ^2 /NDF: 28.7/21

0.066 $\pm$ 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: -0.074 ± 0.023 χ^2/NDF : 6.4/10

Right Out: 0.050 ± 0.029 χ^2/NDF : 25.6/17

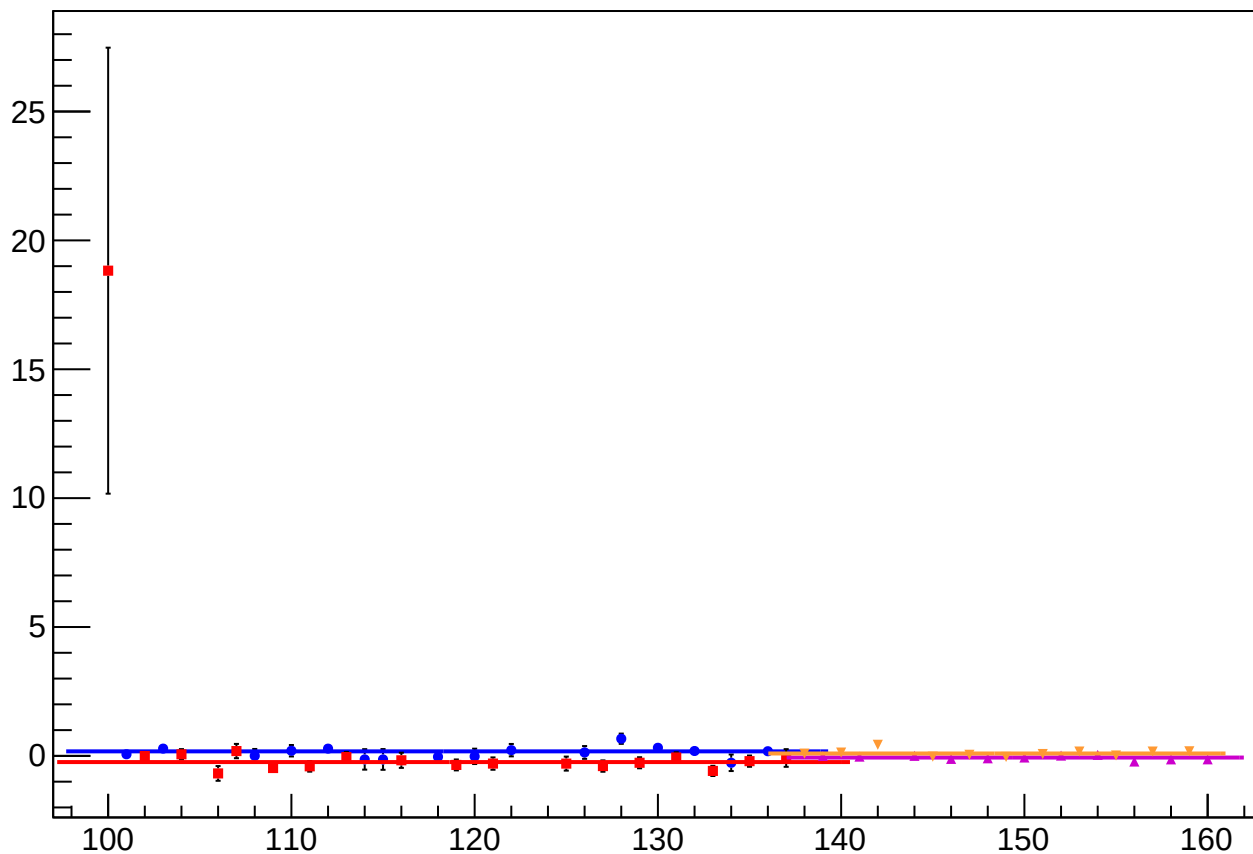
Left In: 0.039 ± 0.023 χ^2/NDF : 16.1/10

-0.044 ± 0.018 χ^2/NDF : 23.3/26

-0.001 ± 0.013 χ^2/NDF : 77.1/55

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: 0.093 ± 0.033 χ^2/NDF : 9.4/10

Right Out: -0.240 ± 0.054 χ^2/NDF : 21.6/17

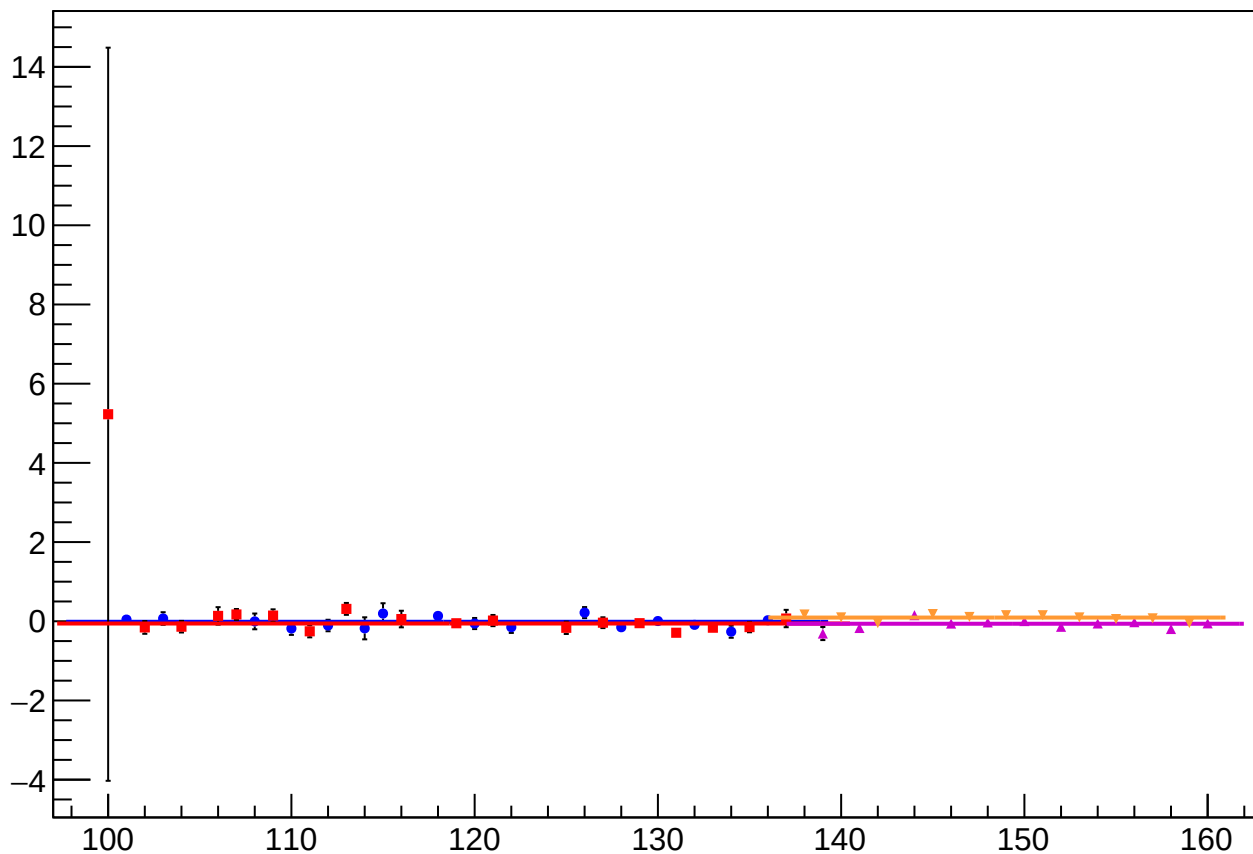
Left In: -0.065 ± 0.032 χ^2/NDF : 5.5/10

0.116 ± 0.028 χ^2/NDF : 24.2/26

0.002 ± 0.019 χ^2/NDF : 92.8/55

-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: 0.094 ± 0.027 χ^2/NDF : 6.6/10

Right Out: -0.057 ± 0.034 χ^2/NDF : 20.3/17

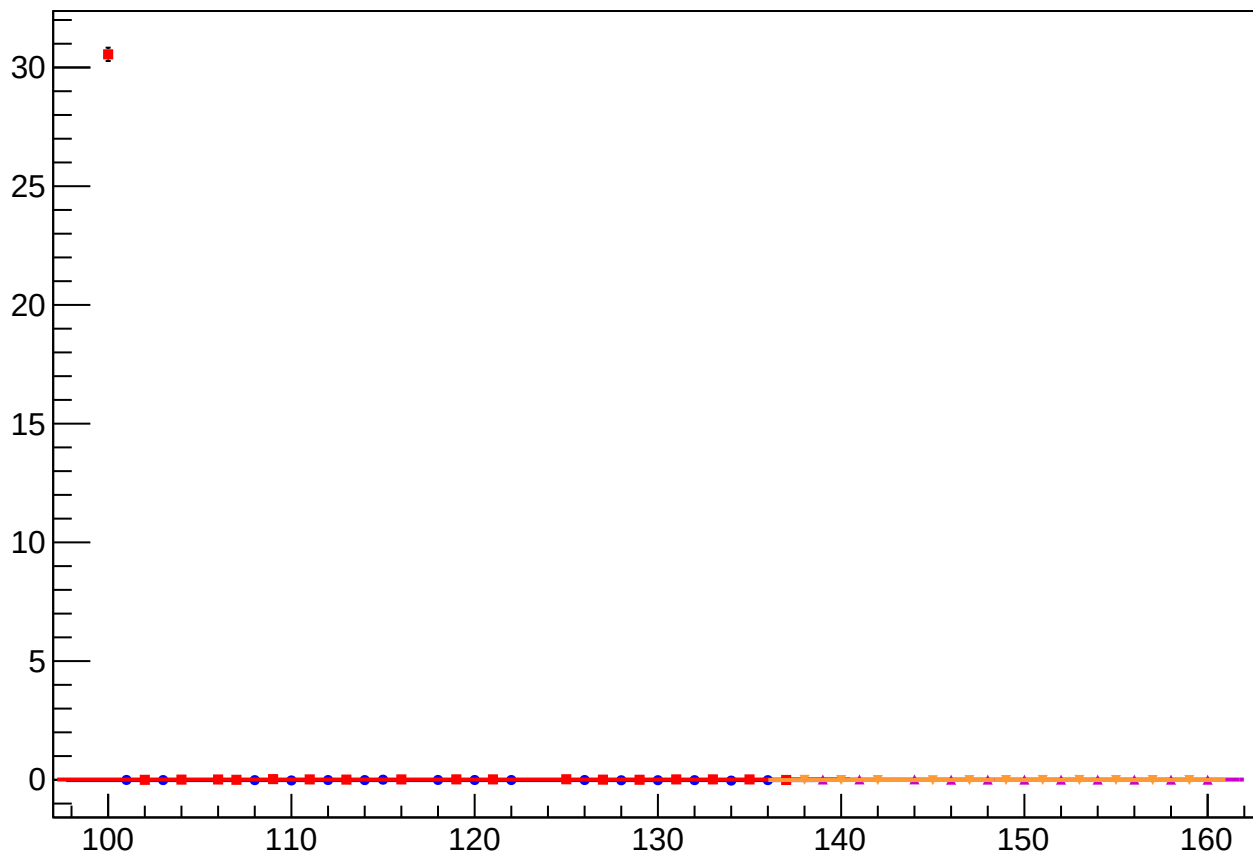
Left In: -0.063 ± 0.027 χ^2/NDF : 13.7/10

0.050 ± 0.021 χ^2/NDF : 26.5/26

-0.005 ± 0.015 χ^2/NDF : 74.4/55

-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: -0.009 ± 0.001 χ^2/NDF : 8.2/10

Right Out: 0.012 ± 0.002 χ^2/NDF : 11891.4/17

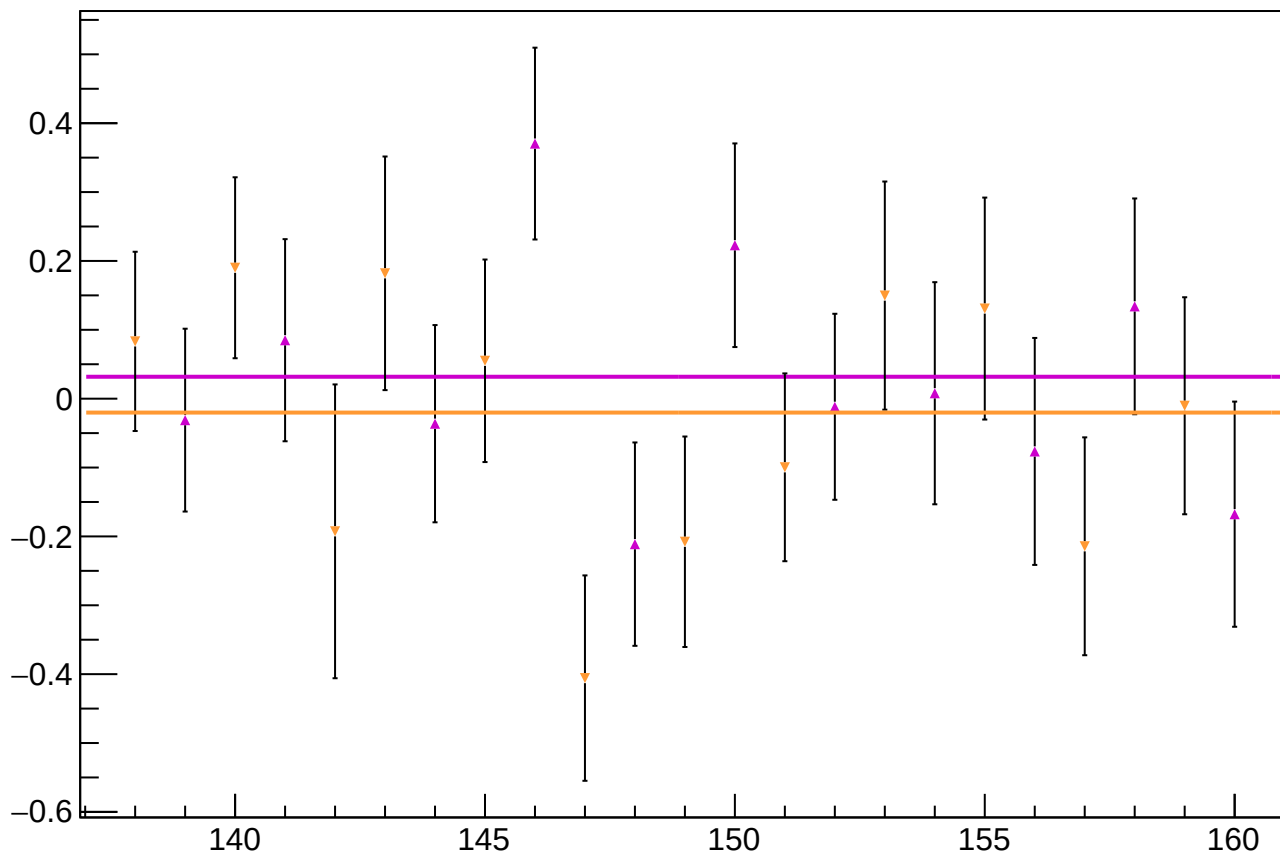
Left In: 0.011 ± 0.001 χ^2/NDF : 10.4/10

-0.010 ± 0.001 χ^2/NDF : 22.9/26

0.001 ± 0.001 χ^2/NDF : 12132.4/55

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: -0.020 $\pm$ 0.044 χ^2 /NDF: 17.5/11

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

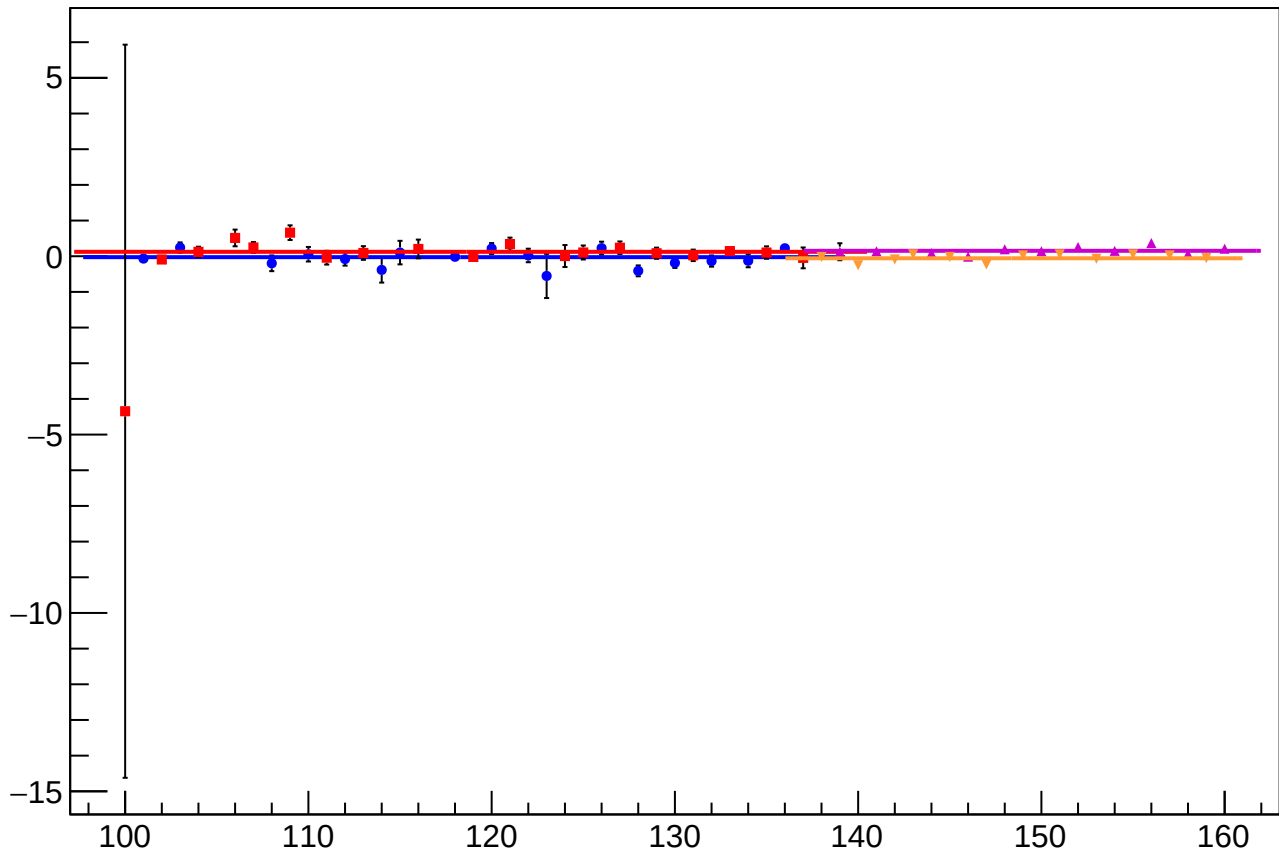
Left In: 0.032 $\pm$ 0.045 χ^2 /NDF: 13.3/10

-0.020 $\pm$ 0.044 χ^2 /NDF: 17.5/11

0.005 $\pm$ 0.031 χ^2 /NDF: 31.5/22

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: -0.057 ± 0.030 χ^2/NDF : 14.7/11

Right Out: 0.124 ± 0.039 χ^2/NDF : 18.3/18

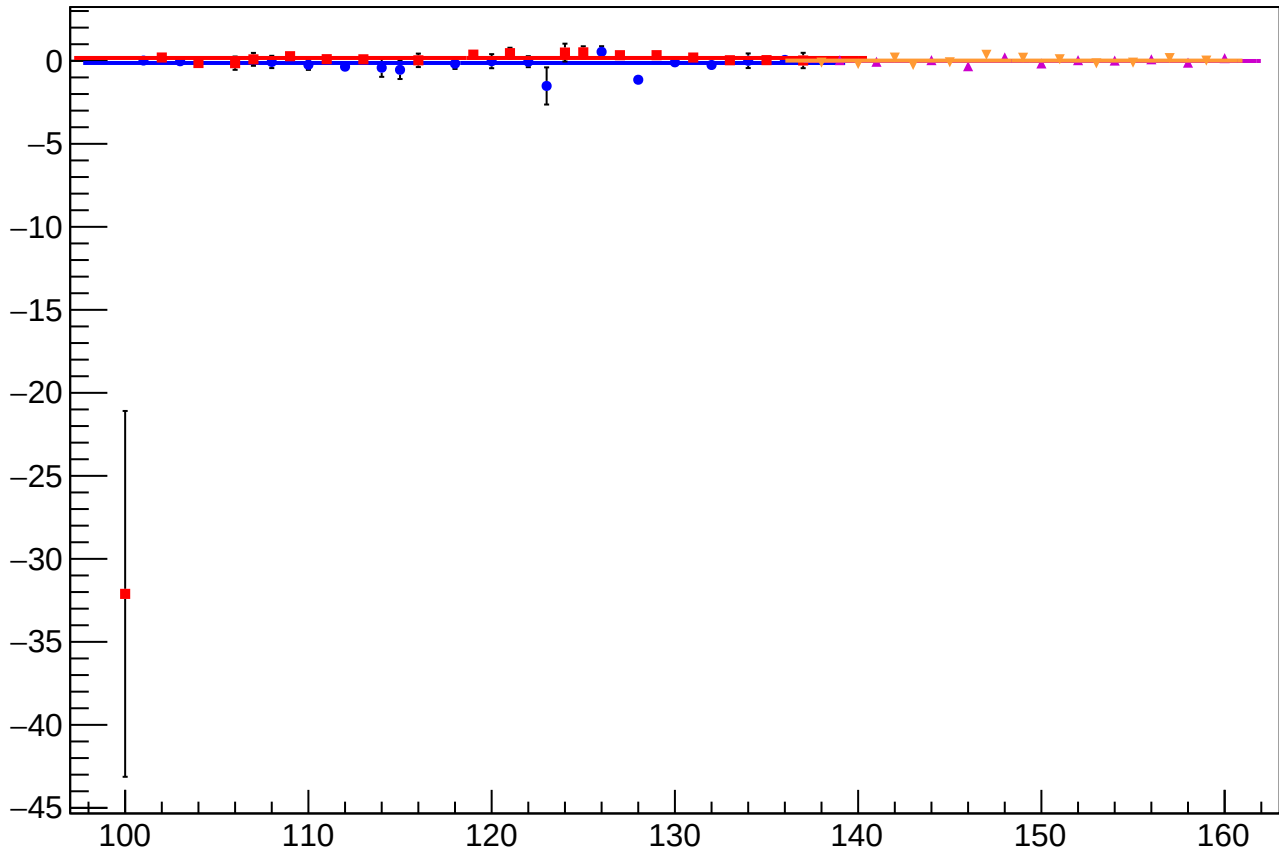
Left In: 0.152 ± 0.031 χ^2/NDF : 10.5/10

-0.045 ± 0.023 χ^2/NDF : 37.8/28

0.045 ± 0.017 χ^2/NDF : 97.8/58

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: 0.013 ± 0.043 χ^2/NDF : 17.2/11

Right Out: 0.172 ± 0.071 χ^2/NDF : 14.9/18

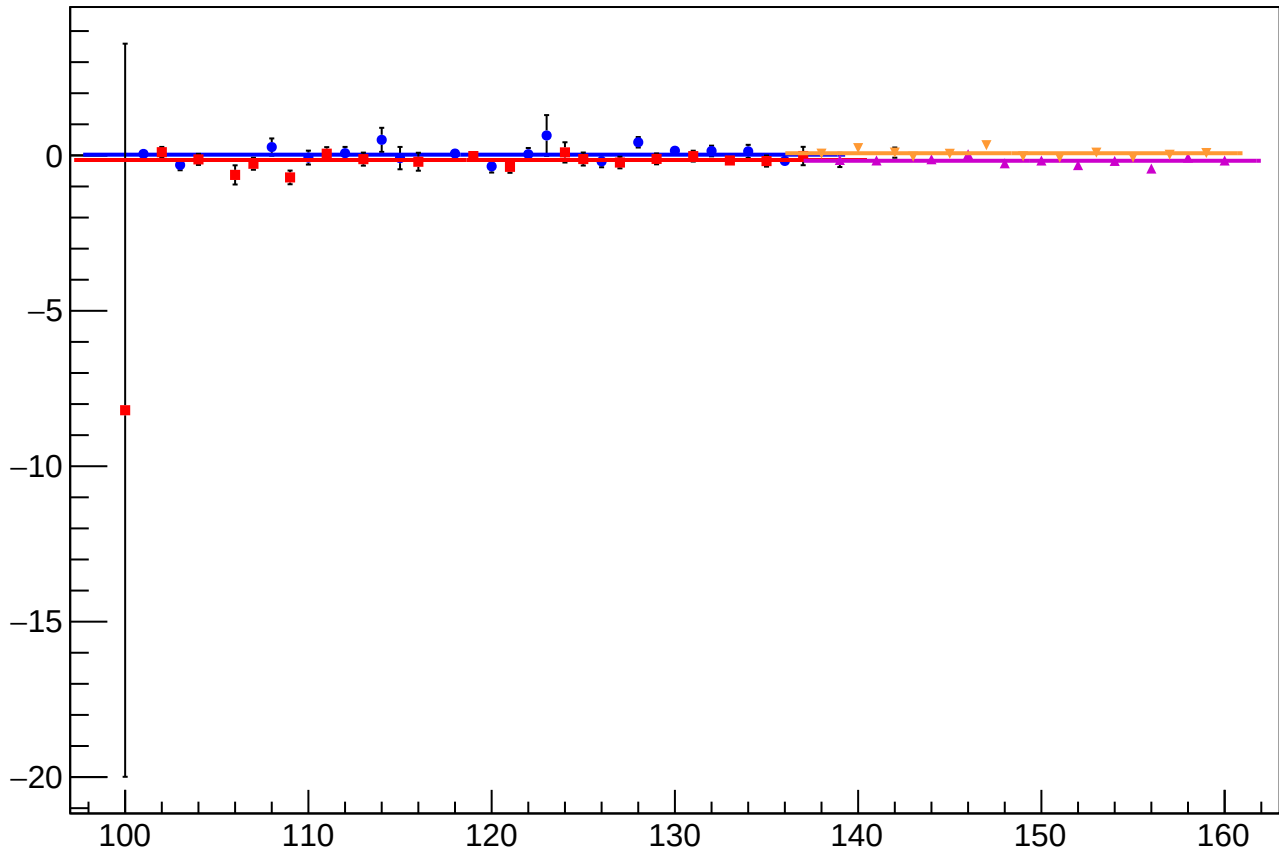
Left In: -0.010 ± 0.043 χ^2/NDF : 11.9/10

-0.029 ± 0.036 χ^2/NDF : 43.5/28

0.005 ± 0.026 χ^2/NDF : 76.8/58

0.040 ± 0.037 χ^2/NDF : 31.6/29

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.043 χ^2/NDF : 21.3/16

Left Out: 0.070 $\pm$ 0.036 χ^2/NDF : 13.3/11

Right Out: -0.148 $\pm$ 0.045 χ^2/NDF : 16.6/18

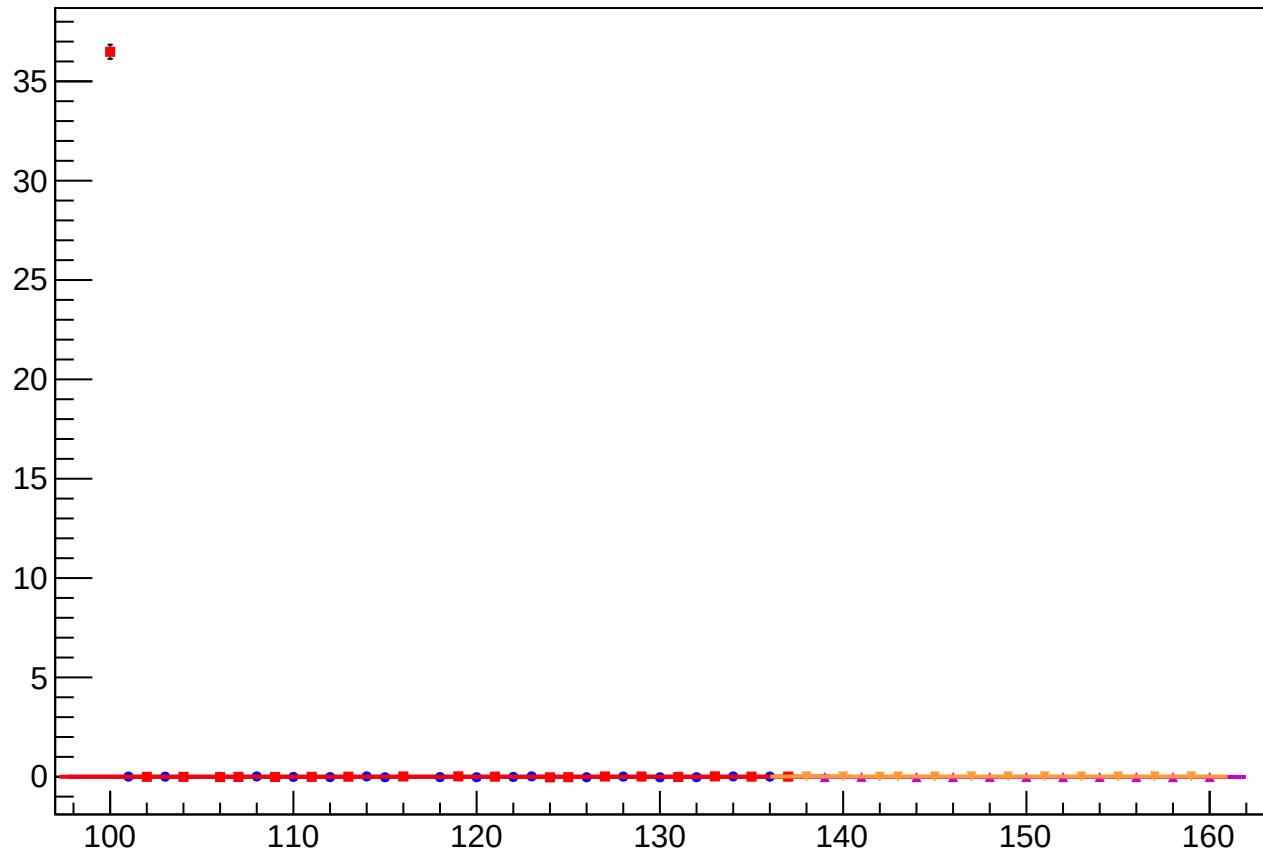
Left In: -0.173 $\pm$ 0.036 χ^2/NDF : 10.7/10

0.050 $\pm$ 0.028 χ^2/NDF : 35.3/28

-0.053 $\pm$ 0.020 χ^2/NDF : 91.8/58

-0.163 $\pm$ 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: 0.011 $\pm$ 0.002 χ^2 /NDF: 5.5/11

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

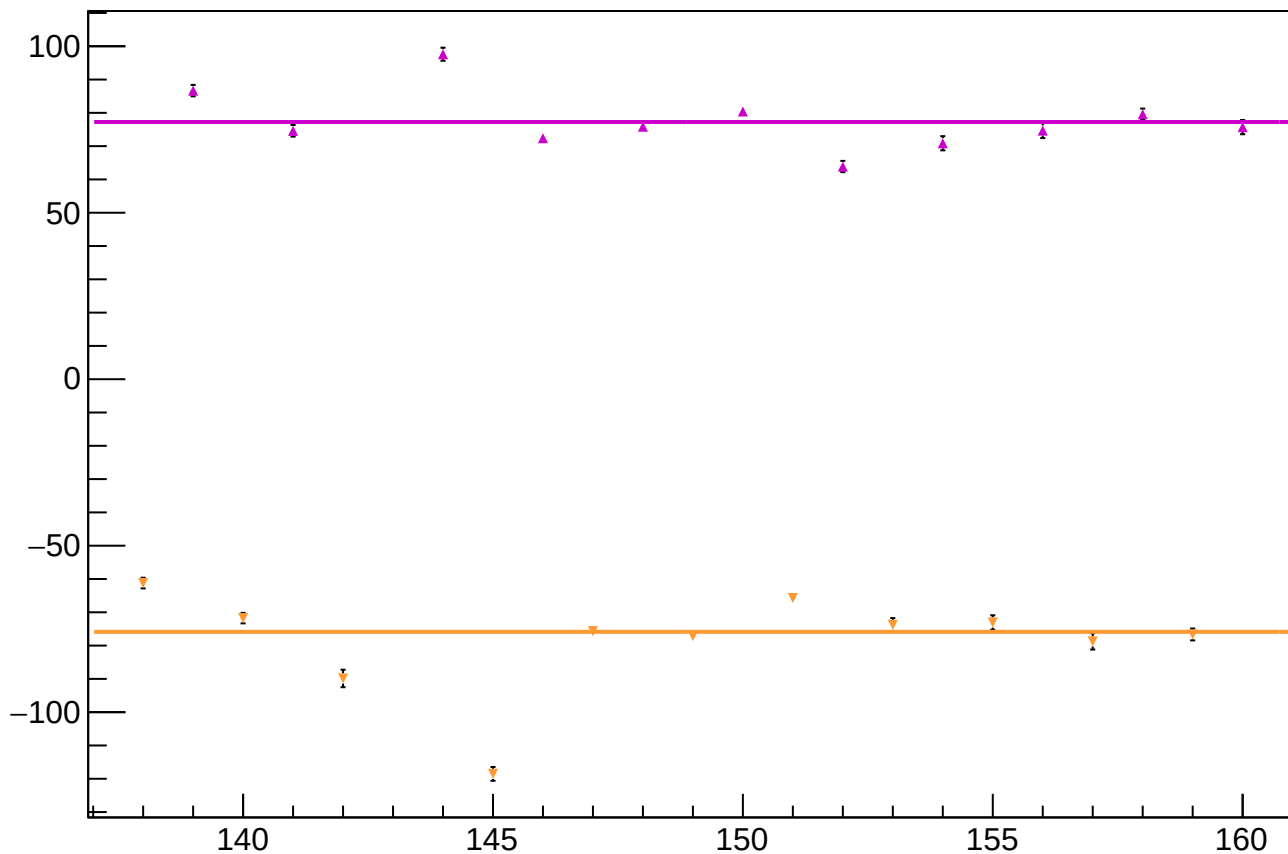
Left In: -0.011 $\pm$ 0.002 χ^2 /NDF: 4.7/10

0.007 $\pm$ 0.001 χ^2 /NDF: 47.4/28

0.000 $\pm$ 0.001 χ^2 /NDF: 10573.5/58

-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: -75.868 ± 0.530 χ^2/NDF : 594.6/10

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

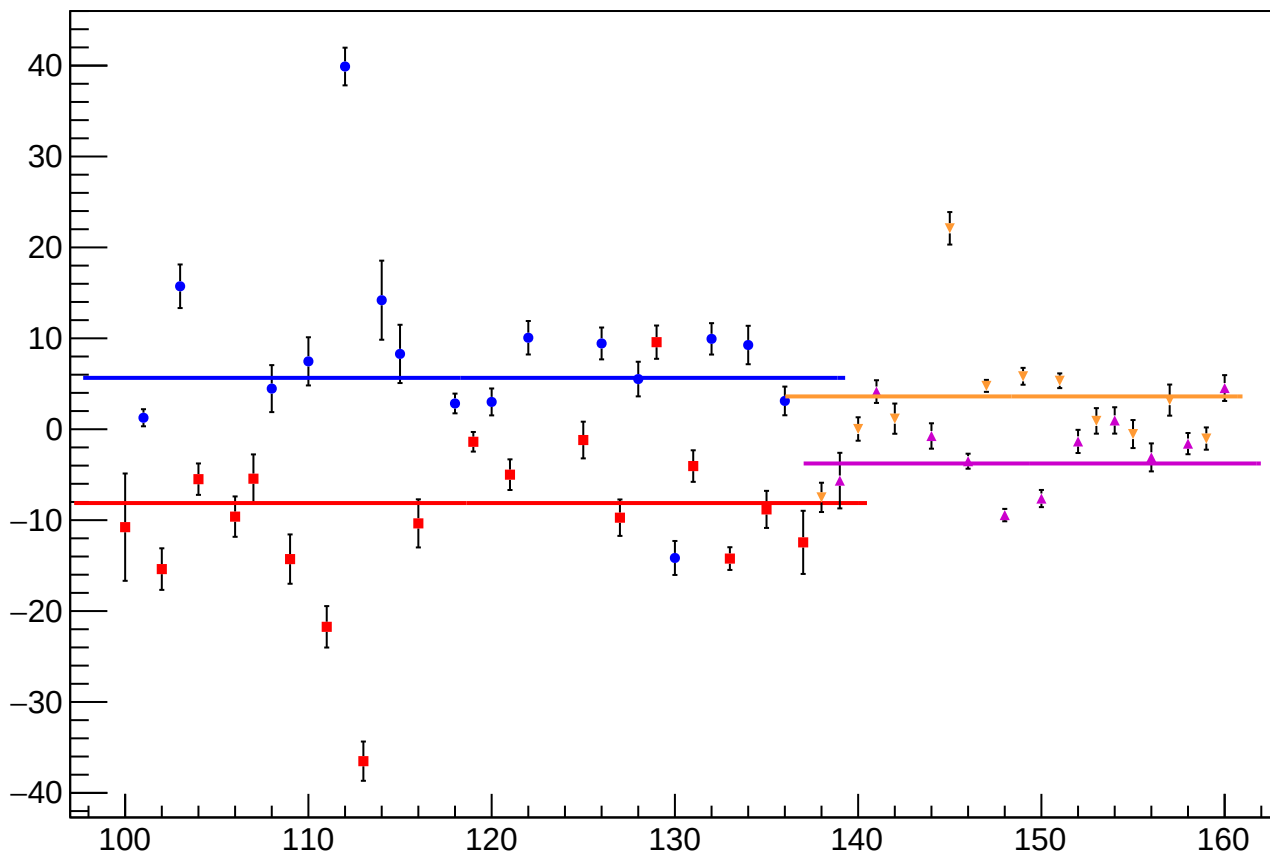
Left In: 77.249 ± 0.515 χ^2/NDF : 233.0/10

-75.868 ± 0.530 χ^2/NDF : 594.6/10

2.829 ± 0.369 χ^2/NDF : 43791.1/21

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: 3.609+/-0.341 χ^2/NDF : 202.9/10

Right Out: -8.119+/-0.453 χ^2/NDF : 407.9/17

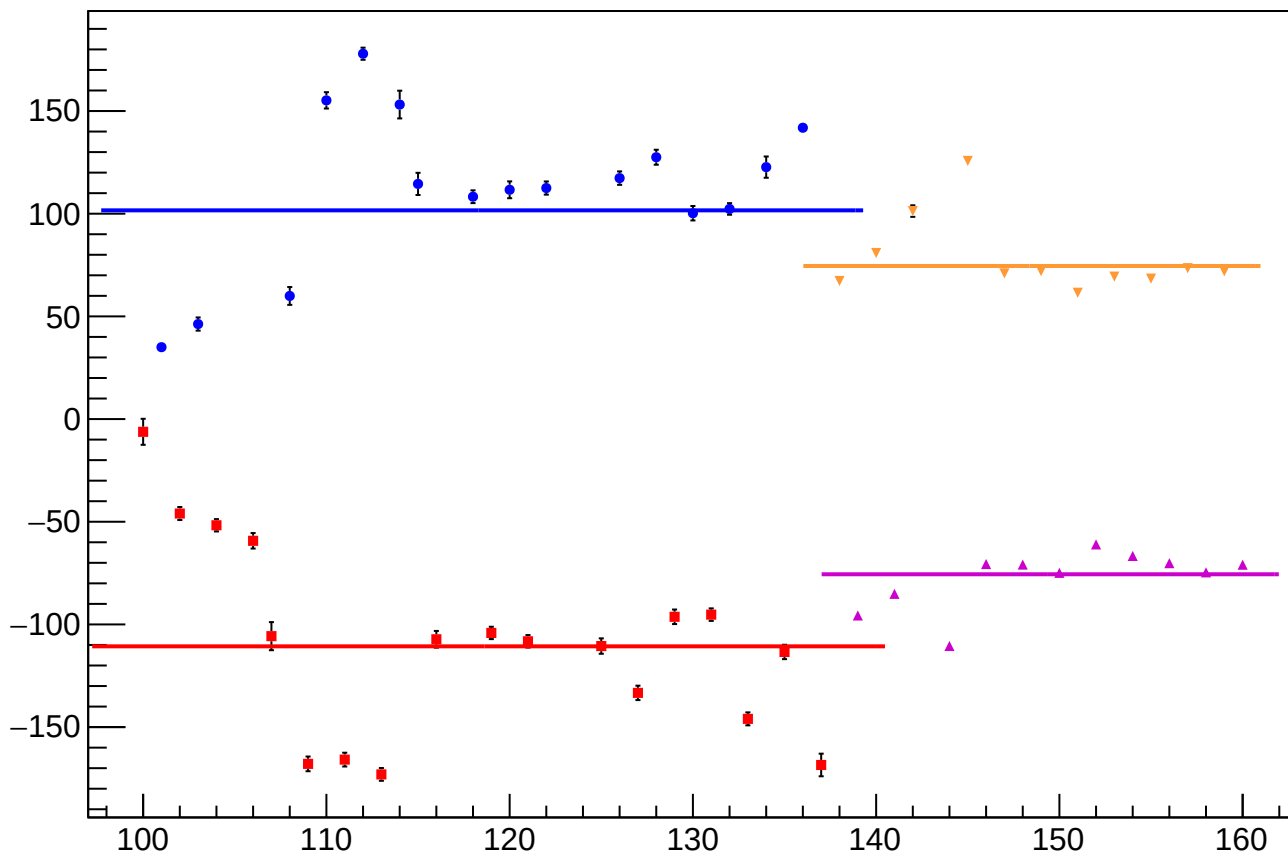
Left In: -3.766+/-0.338 χ^2/NDF : 183.3/10

4.400+/-0.267 χ^2/NDF : 678.7/26

-0.394+/-0.190 χ^2/NDF : 1982.7/55

-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 +/- 0.812 χ^2/NDF : 2980.2/15

Left Out: 74.539 +/- 0.515 χ^2/NDF : 803.9/10

Right Out: -110.669 +/- 0.836 χ^2/NDF : 2514.0/17

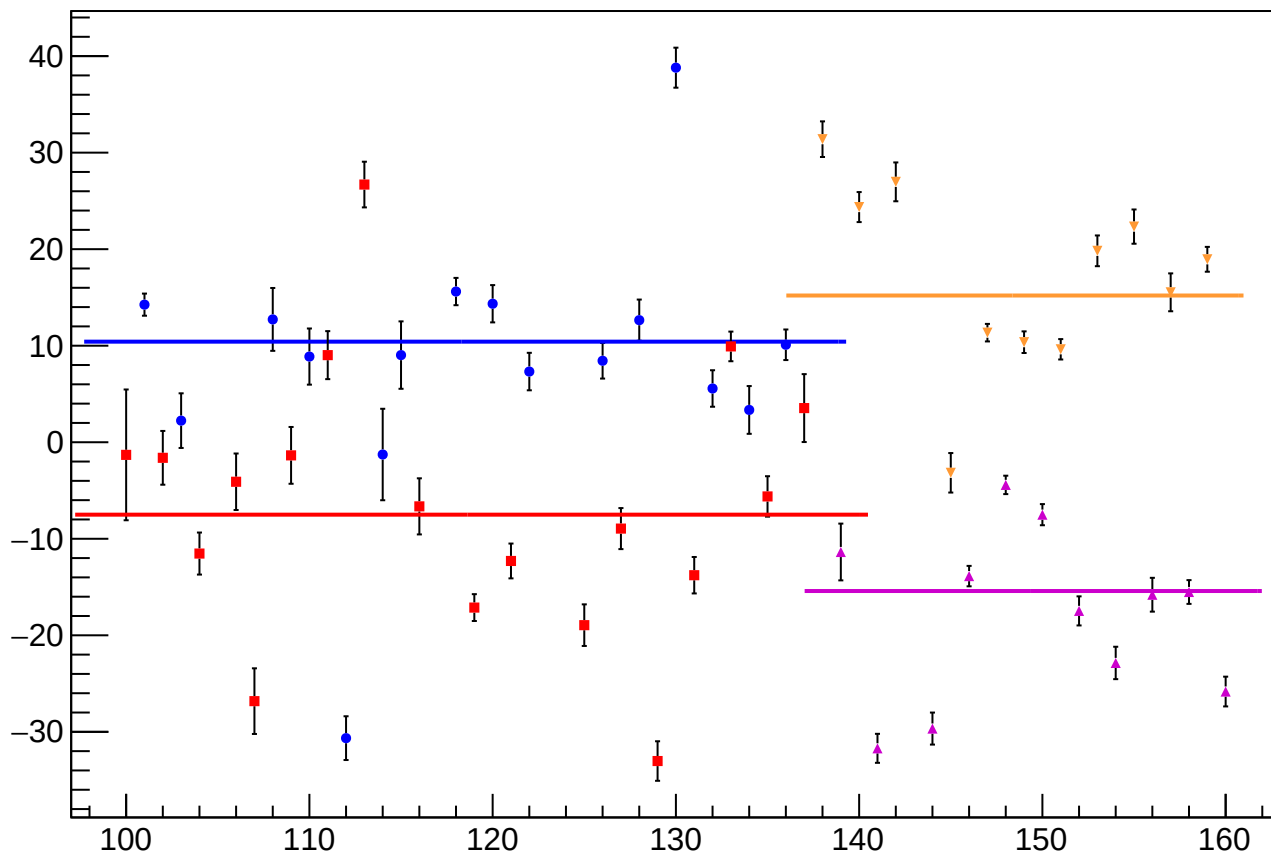
Left In: -75.577 +/- 0.498 χ^2/NDF : 558.9/10

82.314 +/- 0.435 χ^2/NDF : 4577.6/26

-2.618 +/- 0.305 χ^2/NDF : 83930.0/55

-84.766 +/- 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 χ^2/NDF : 579.7/15

Left Out: 15.200+/-0.420 χ^2/NDF : 324.1/10

Right Out: -7.502+/-0.523 χ^2/NDF : 689.4/17

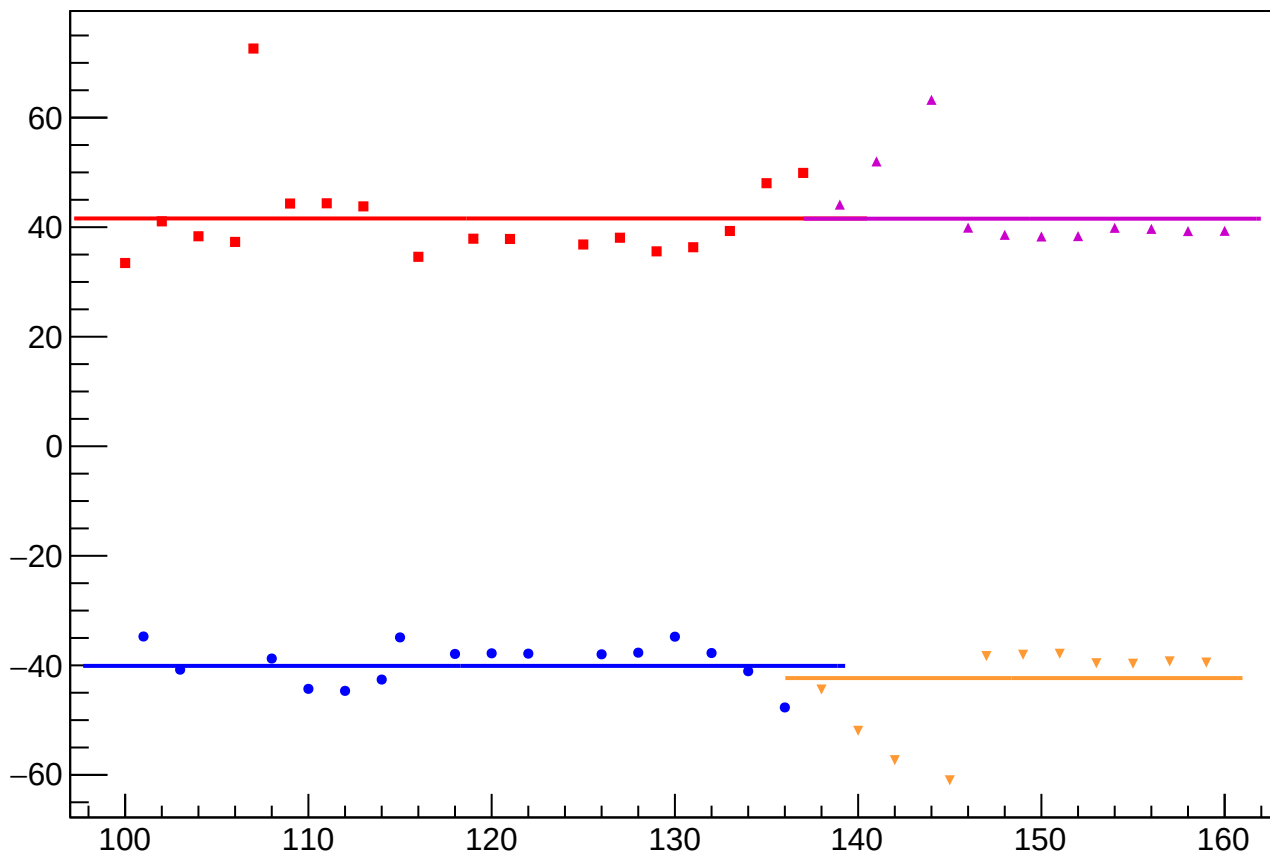
Left In: -15.412+/-0.410 χ^2/NDF : 447.7/10

13.211+/-0.321 χ^2/NDF : 957.8/26

0.478+/-0.228 χ^2/NDF : 5405.3/55

-12.404+/-0.323 χ^2/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: -42.324 $\pm$ 0.021 χ^2/NDF : 105460.2/10

Right Out: 41.592 $\pm$ 0.029 χ^2/NDF : 61677.7/17

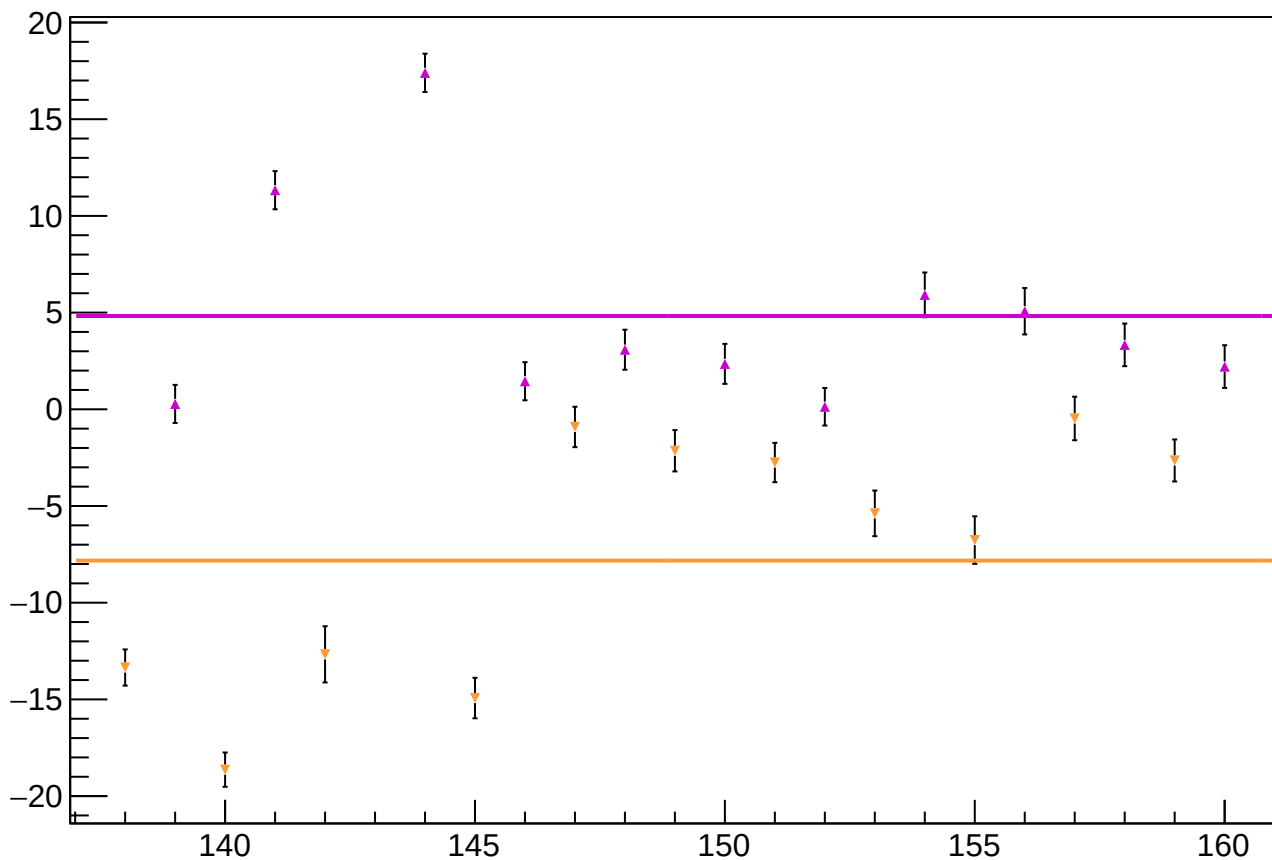
Left In: 41.550 $\pm$ 0.020 χ^2/NDF : 89288.7/10

-41.547 $\pm$ 0.017 χ^2/NDF : 134554.5/26

1.337 $\pm$ 0.012 χ^2/NDF : 13005763.7/55

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 χ^2/NDF : 0.0/0

Left Out: -7.821+/-0.323 χ^2/NDF : 408.0/10

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

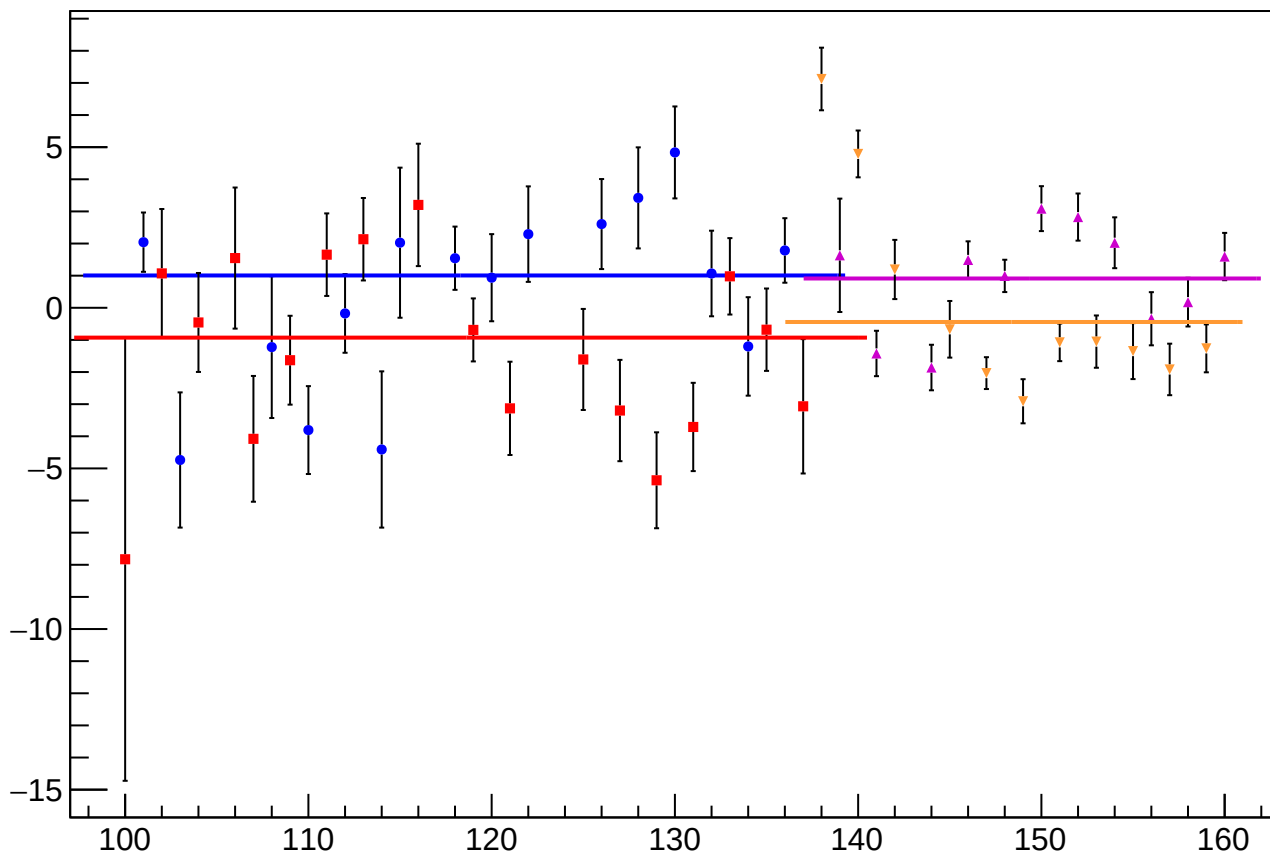
Left In: 4.823+/-0.314 χ^2/NDF : 277.5/10

-7.821+/-0.323 χ^2/NDF : 408.0/10

-1.324+/-0.225 χ^2/NDF : 1472.2/21

4.823+/-0.314 χ^2/NDF : 277.5/10

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 $\pm$ 0.342 χ^2/NDF : 42.7/15

Left Out: -0.442 $\pm$ 0.220 χ^2/NDF : 145.6/10

Right Out: -0.929 $\pm$ 0.353 χ^2/NDF : 41.9/17

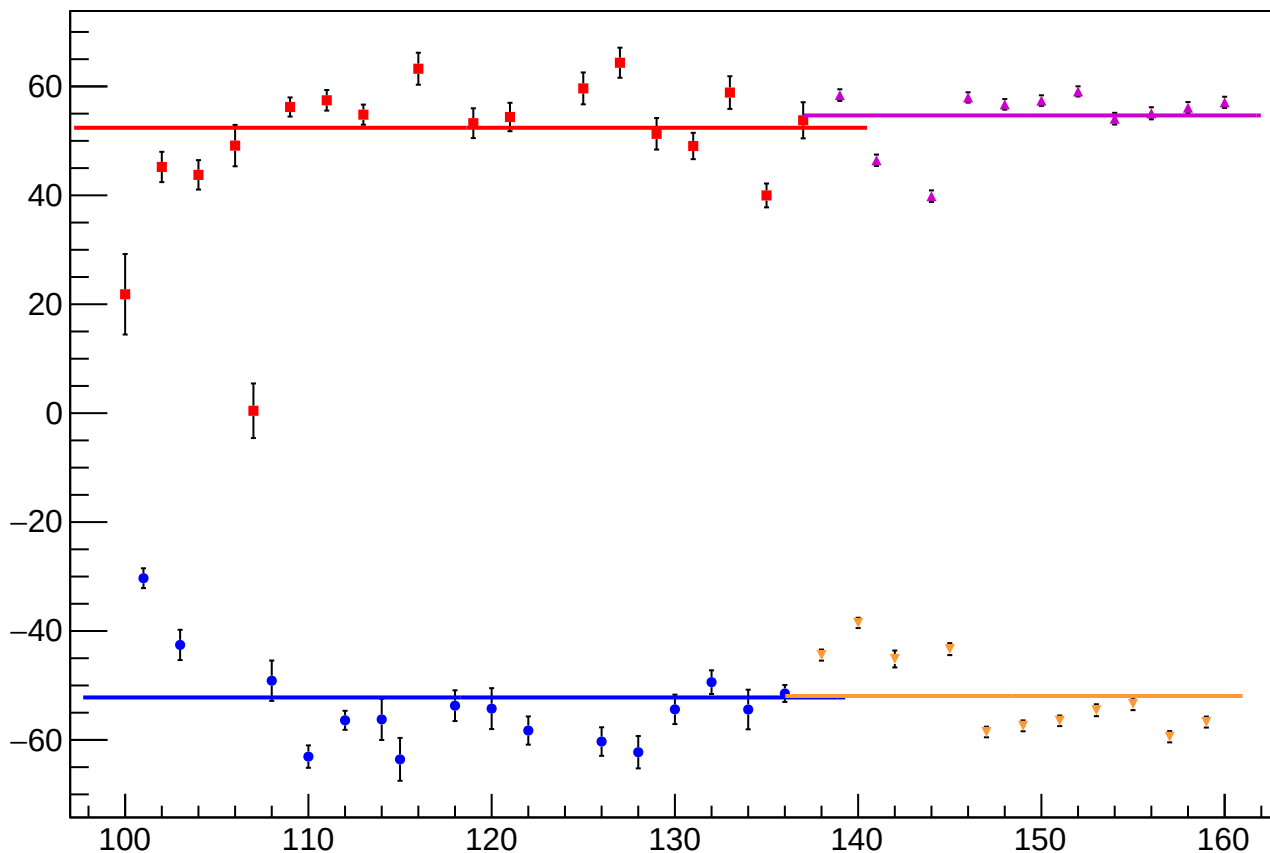
Left In: 0.912 $\pm$ 0.214 χ^2/NDF : 49.9/10

-0.018 $\pm$ 0.185 χ^2/NDF : 201.1/26

0.201 $\pm$ 0.130 χ^2/NDF : 315.5/55

0.417 $\pm$ 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: -51.926 ± 0.317 χ^2/NDF : 517.1/10

Right Out: 52.407 ± 0.616 χ^2/NDF : 233.9/17

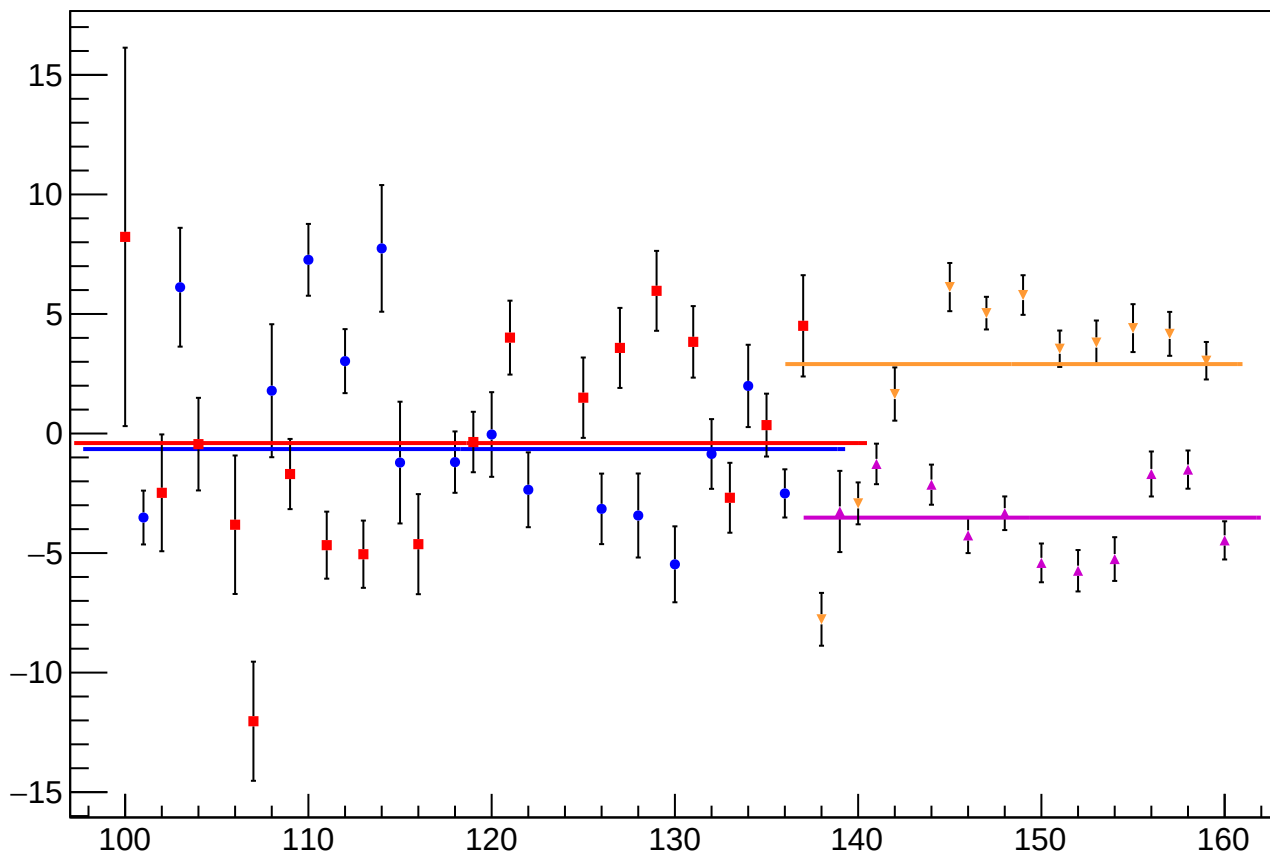
Left In: 54.669 ± 0.306 χ^2/NDF : 324.3/10

-51.984 ± 0.282 χ^2/NDF : 747.9/26

2.586 ± 0.196 χ^2/NDF : 74325.9/55

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: 2.904 ± 0.265 χ^2/NDF : 176.7/10

Right Out: -0.400 ± 0.399 χ^2/NDF : 95.9/17

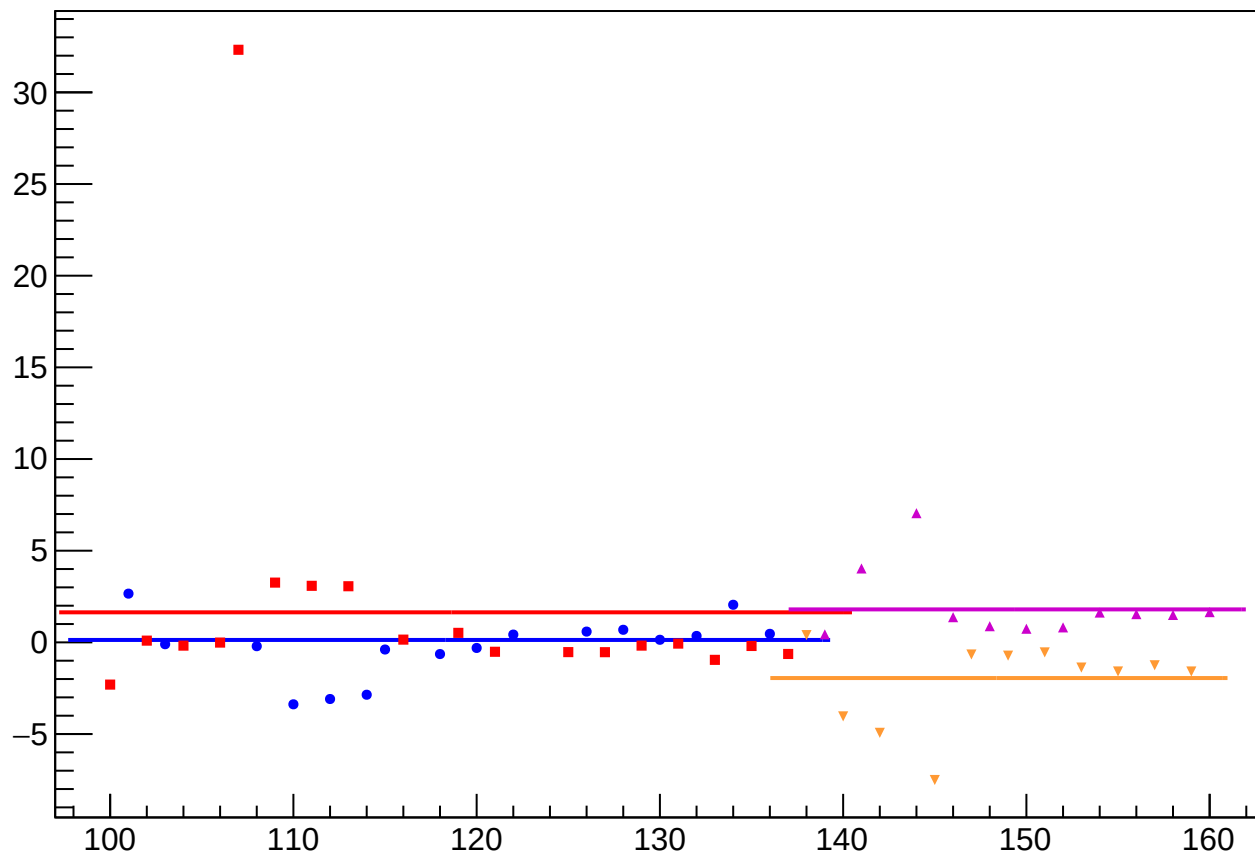
Left In: -3.518 ± 0.256 χ^2/NDF : 37.9/10

1.768 ± 0.219 χ^2/NDF : 316.1/26

-0.457 ± 0.153 χ^2/NDF : 696.9/55

-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 χ^2/NDF : 5247.5/15

Left Out: -1.946+/-0.012 χ^2/NDF : 28421.6/10

Right Out: 1.638+/-0.022 χ^2/NDF : 77848.3/17

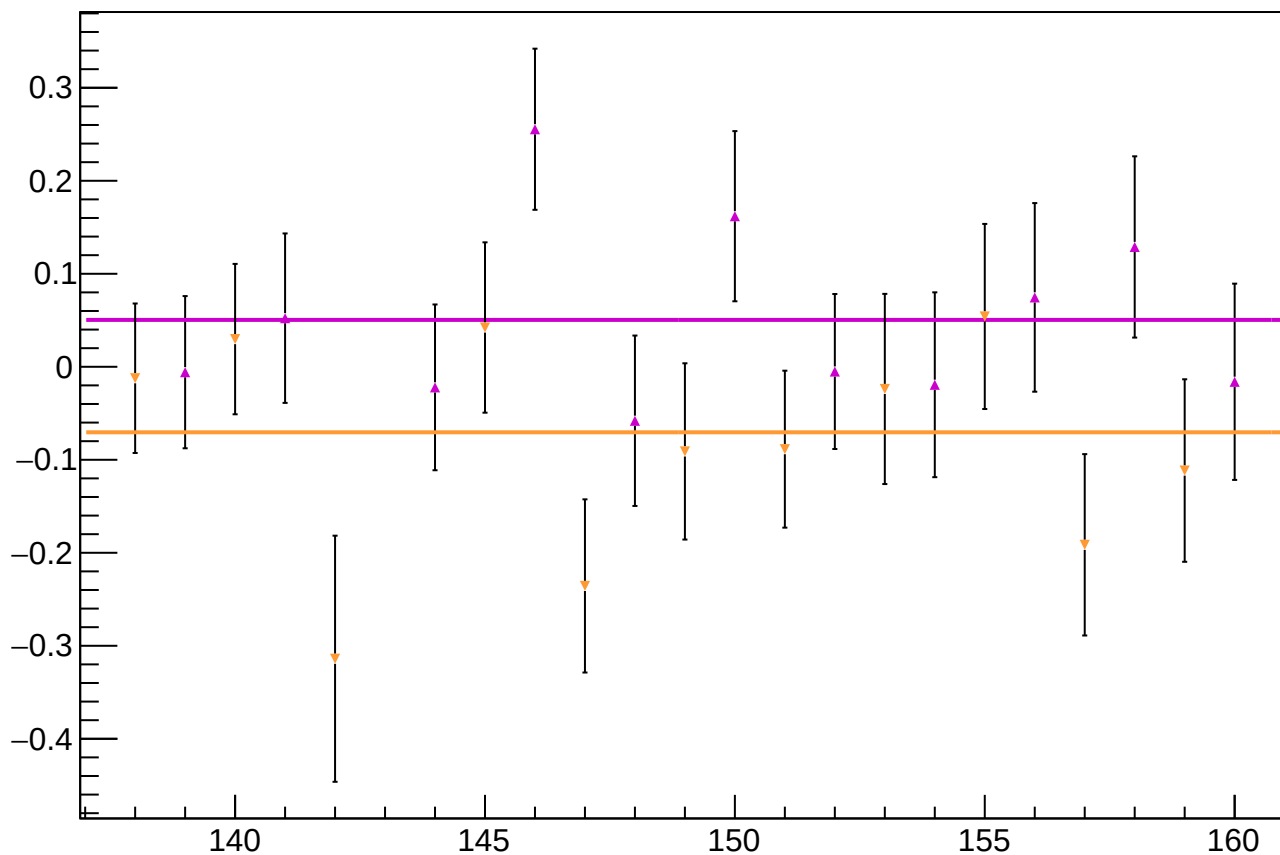
Left In: 1.798+/-0.012 χ^2/NDF : 19007.3/10

-1.428+/-0.011 χ^2/NDF : 40642.3/26

0.214+/-0.007 χ^2/NDF : 182729.4/55

1.762+/-0.010 χ^2/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: -0.070 $\pm$ 0.028 χ^2 /NDF:13.7/10

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

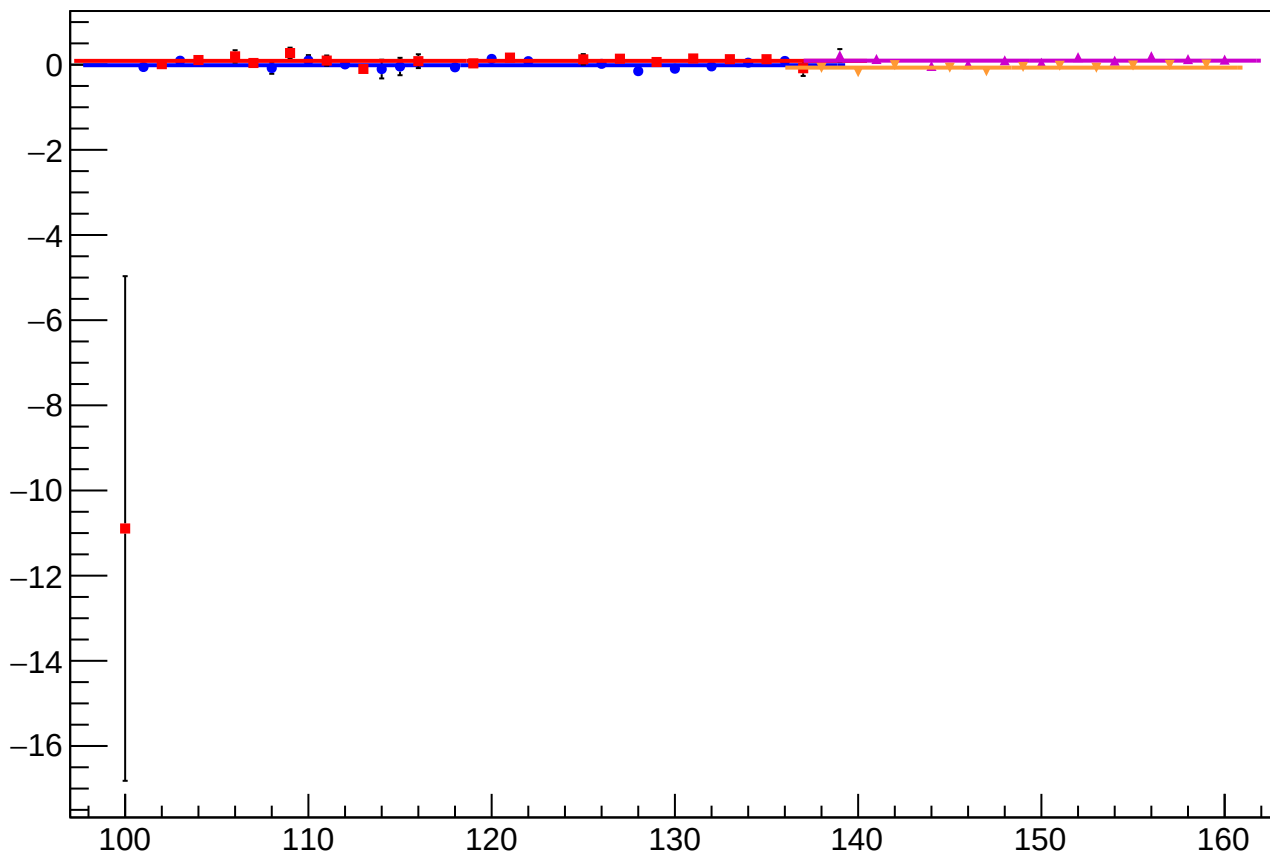
Left In: 0.050 $\pm$ 0.028 χ^2 /NDF:11.7/10

-0.070 $\pm$ 0.028 χ^2 /NDF: 13.7/10

-0.009 $\pm$ 0.020 χ^2 /NDF: 34.7/21

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 $\pm$ 0.023 χ^2 /NDF: 11.7/15

Left Out: -0.069 $\pm$ 0.019 χ^2 /NDF: 10.2/10

Right Out: 0.089 $\pm$ 0.025 χ^2 /NDF: 13.0/17

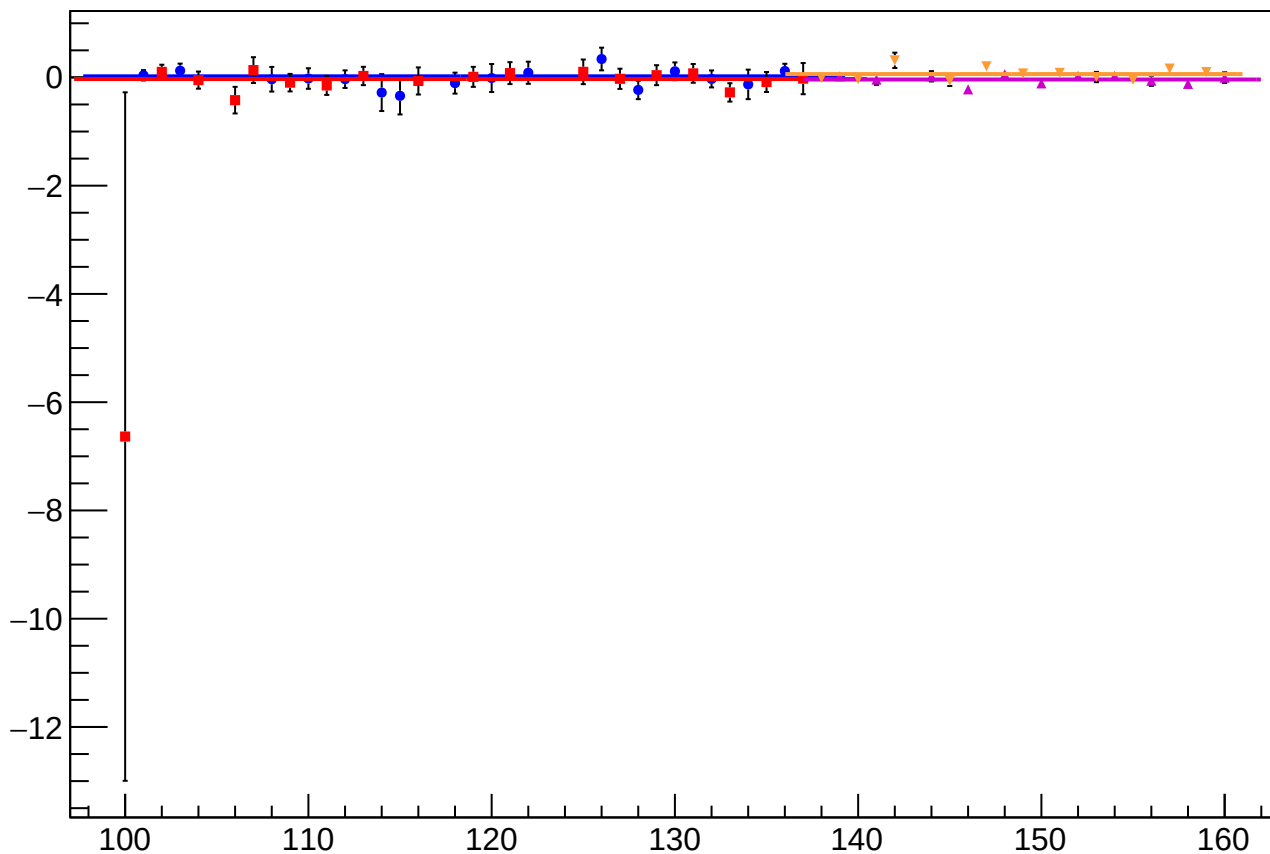
Left In: 0.094 $\pm$ 0.019 χ^2 /NDF: 12.4/10

-0.047 $\pm$ 0.015 χ^2 /NDF: 25.3/26

0.022 $\pm$ 0.011 χ^2 /NDF: 93.8/55

0.092 $\pm$ 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 ± 0.028 χ^2/NDF : 12.7/10

Right Out: -0.030 ± 0.045 χ^2/NDF : 9.2/17

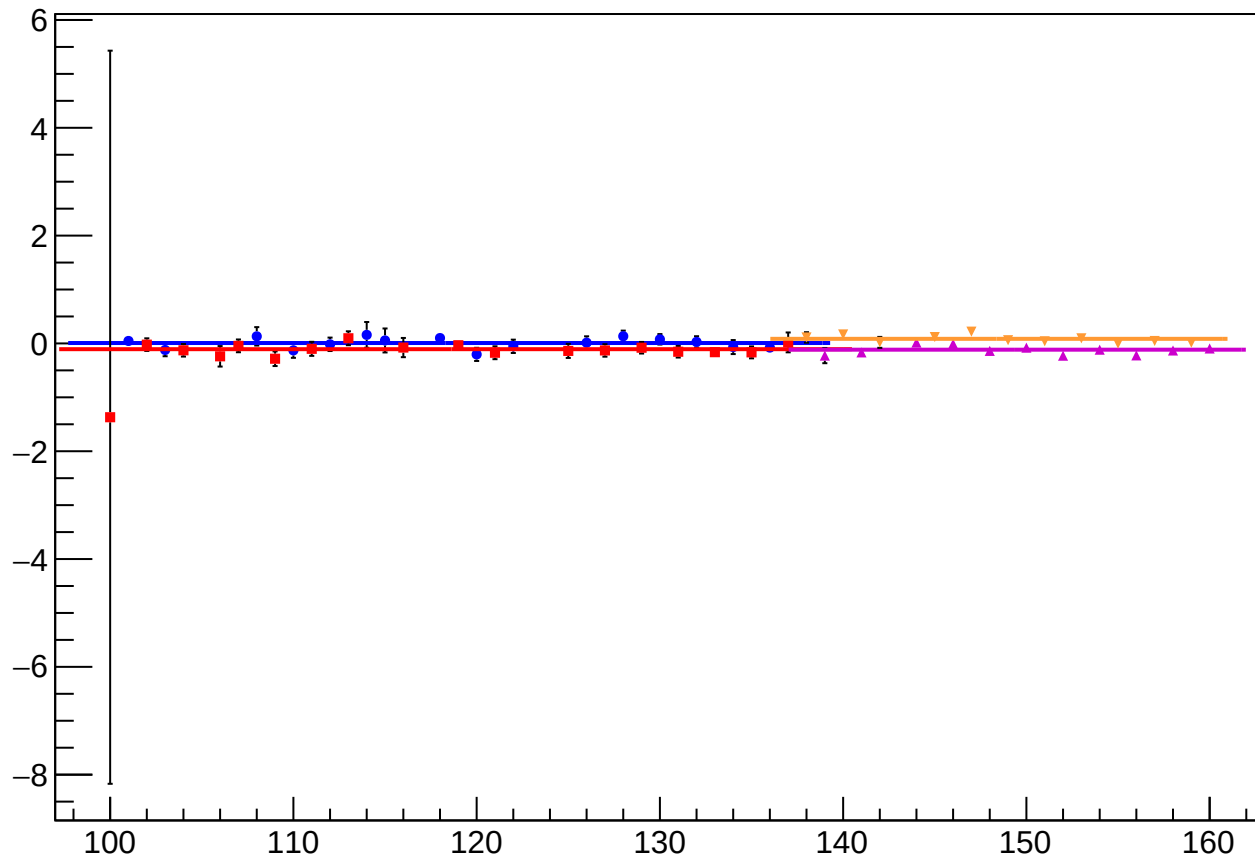
Left In: -0.039 ± 0.027 χ^2/NDF : 9.8/10

0.049 ± 0.023 χ^2/NDF : 22.4/26

0.006 ± 0.016 χ^2/NDF : 48.3/55

-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: 0.085+/-0.023 χ^2/NDF : 9.6/10

Right Out: -0.107+/-0.029 χ^2/NDF : 8.2/17

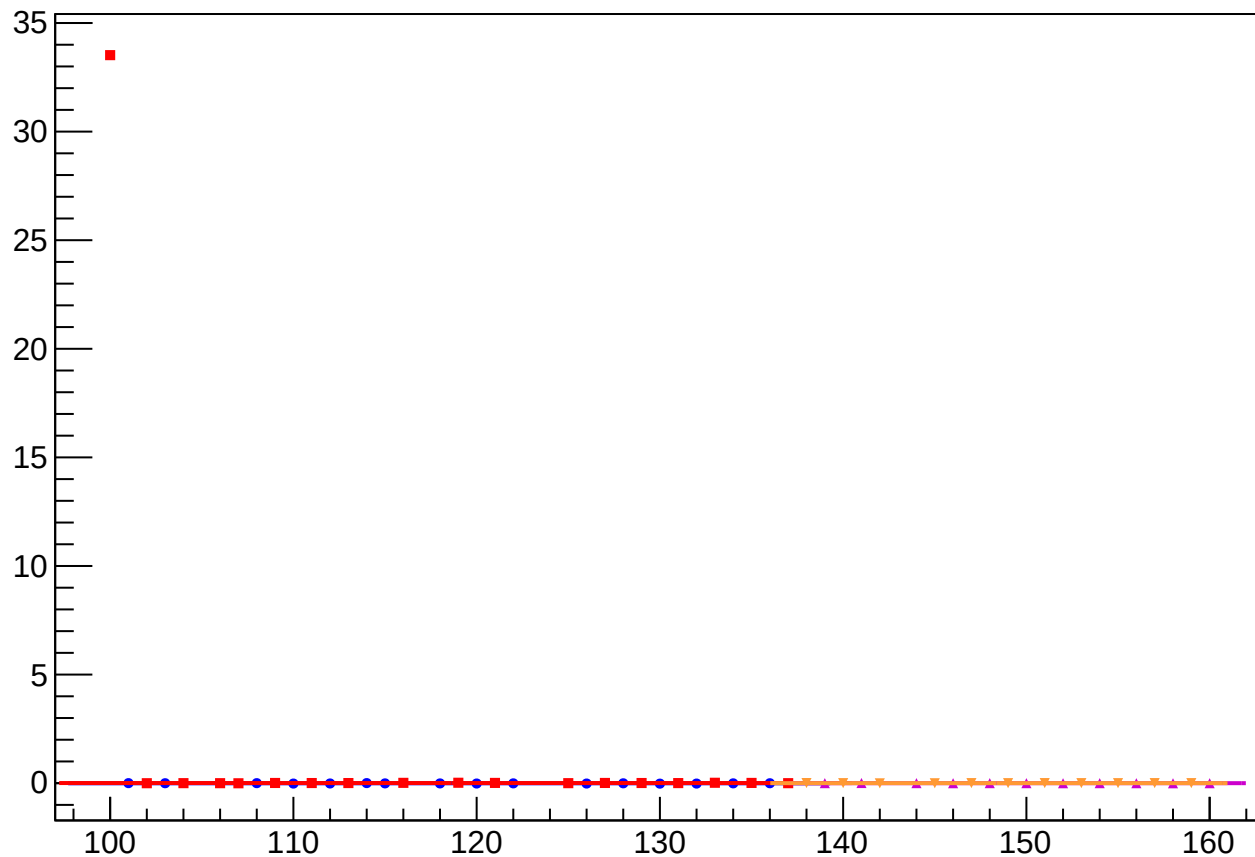
Left In: -0.116+/-0.023 χ^2/NDF : 11.3/10

0.052+/-0.018 χ^2/NDF : 25.6/26

-0.029+/-0.013 χ^2/NDF : 88.6/55

-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 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF: 7.1/10

Right Out: 0.006 $\pm$ 0.001 χ^2 /NDF: 26508.7/17

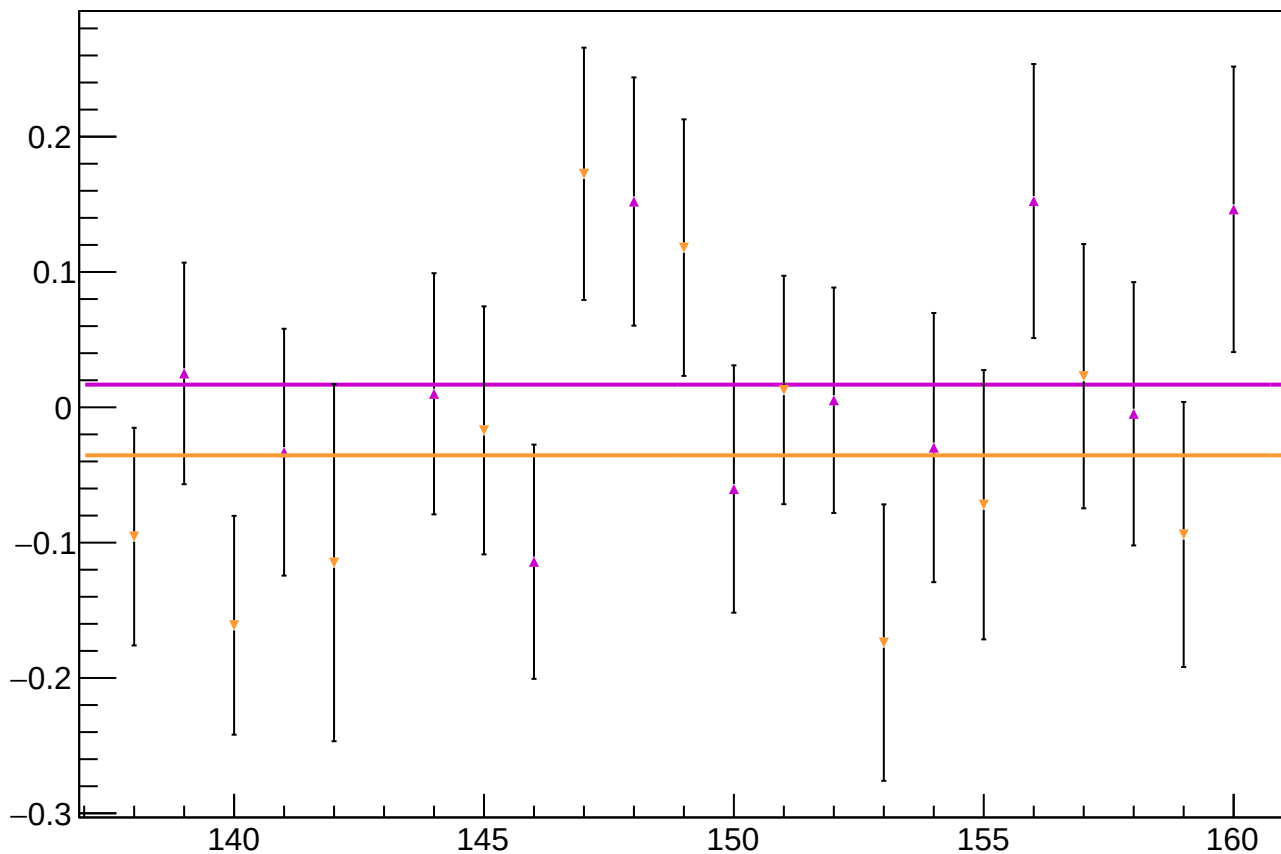
Left In: -0.000 $\pm$ 0.001 χ^2 /NDF: 7.5/10

-0.001 $\pm$ 0.001 χ^2 /NDF: 41.4/26

0.000 $\pm$ 0.001 χ^2 /NDF: 26575.5/55

0.002 $\pm$ 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: -0.035 $\pm$ 0.028 χ^2 /NDF: 14.0/10

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

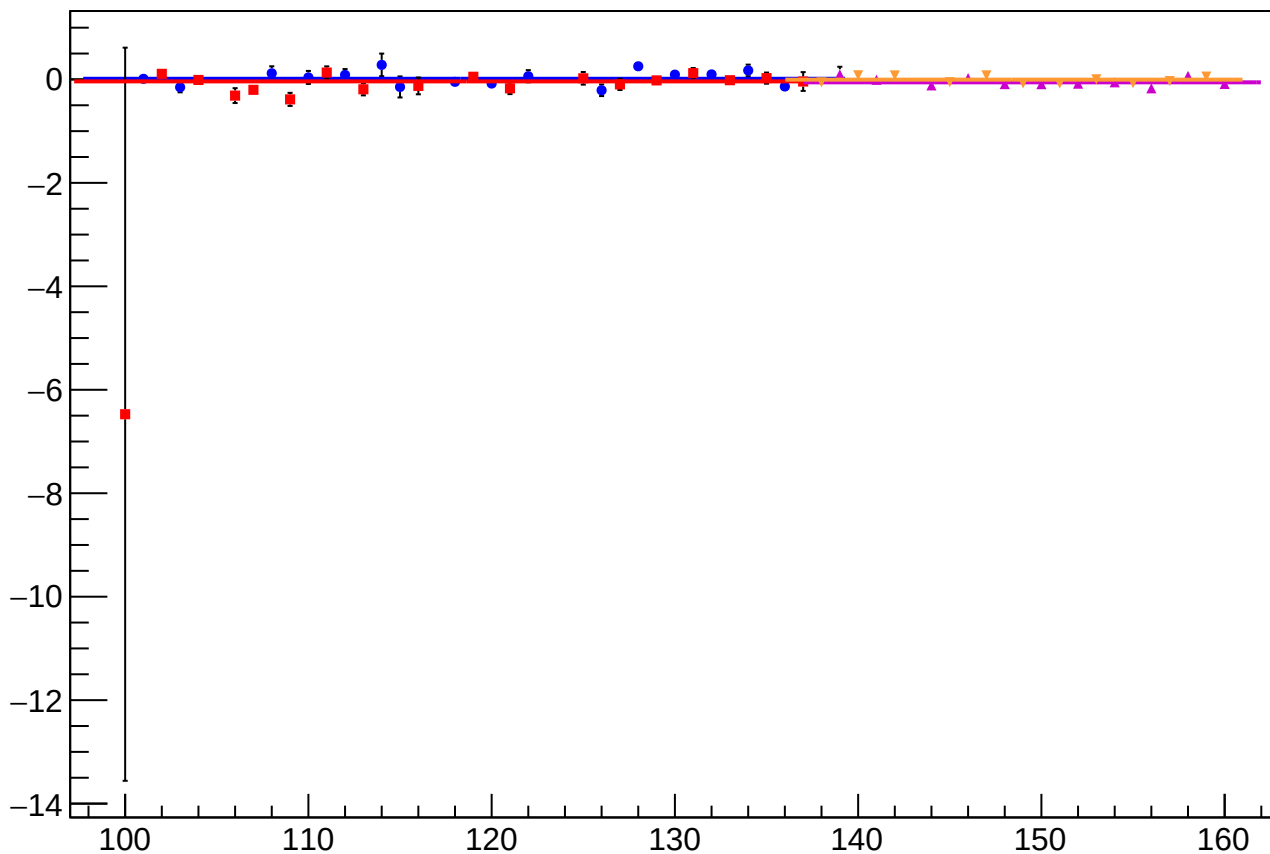
Left In: 0.017 $\pm$ 0.028 χ^2 /NDF: 9.1/10

-0.035 $\pm$ 0.028 χ^2 /NDF: 14.0/10

-0.009 $\pm$ 0.020 χ^2 /NDF: 24.8/21

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: -0.005 ± 0.019 χ^2/NDF : 12.5/10

Right Out: -0.038 ± 0.025 χ^2/NDF : 28.4/17

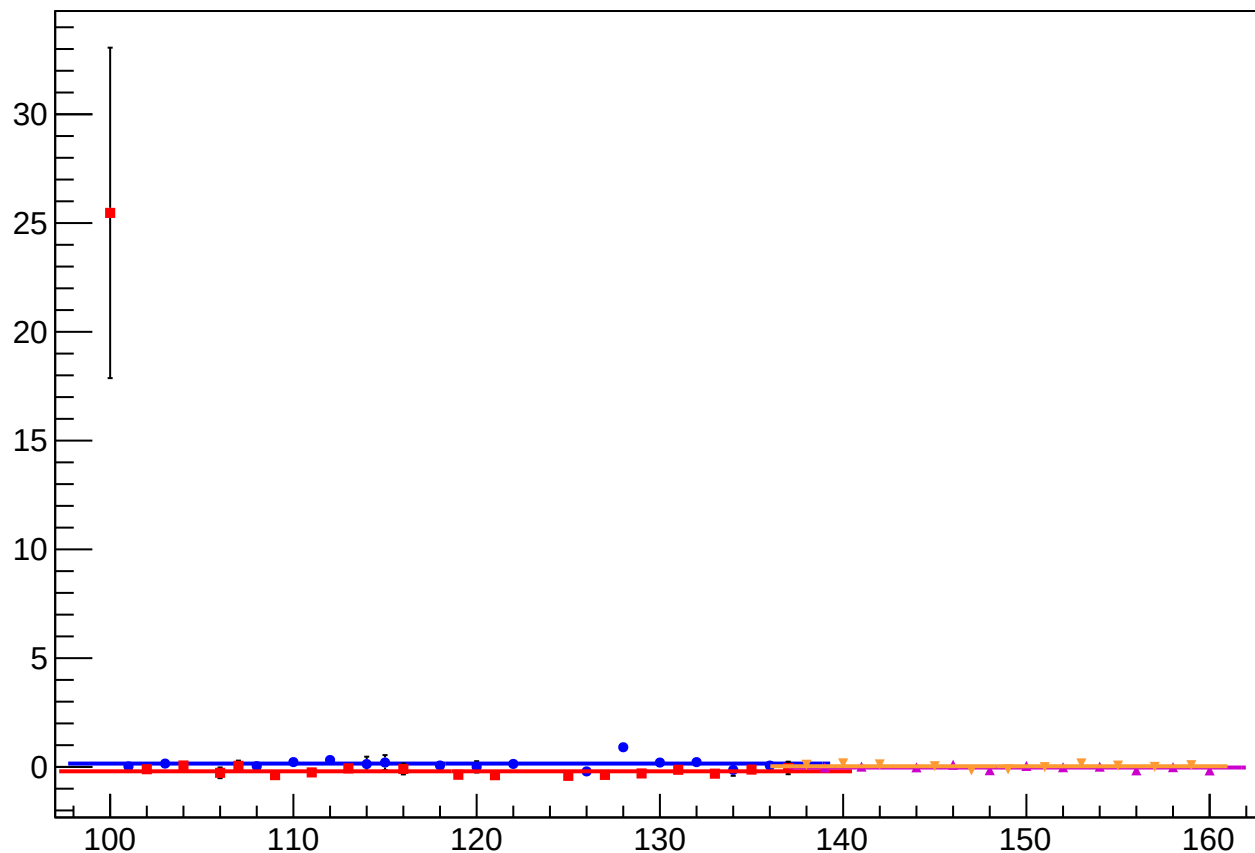
Left In: -0.057 ± 0.019 χ^2/NDF : 12.5/10

0.002 ± 0.015 χ^2/NDF : 37.8/26

-0.023 ± 0.011 χ^2/NDF : 85.1/55

-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 $\chi^2/\text{NDF}: 27.9/15$

Left Out: 0.032 ± 0.028 $\chi^2/\text{NDF}: 13.4/10$

Right Out: -0.201 ± 0.045 $\chi^2/\text{NDF}: 22.6/17$

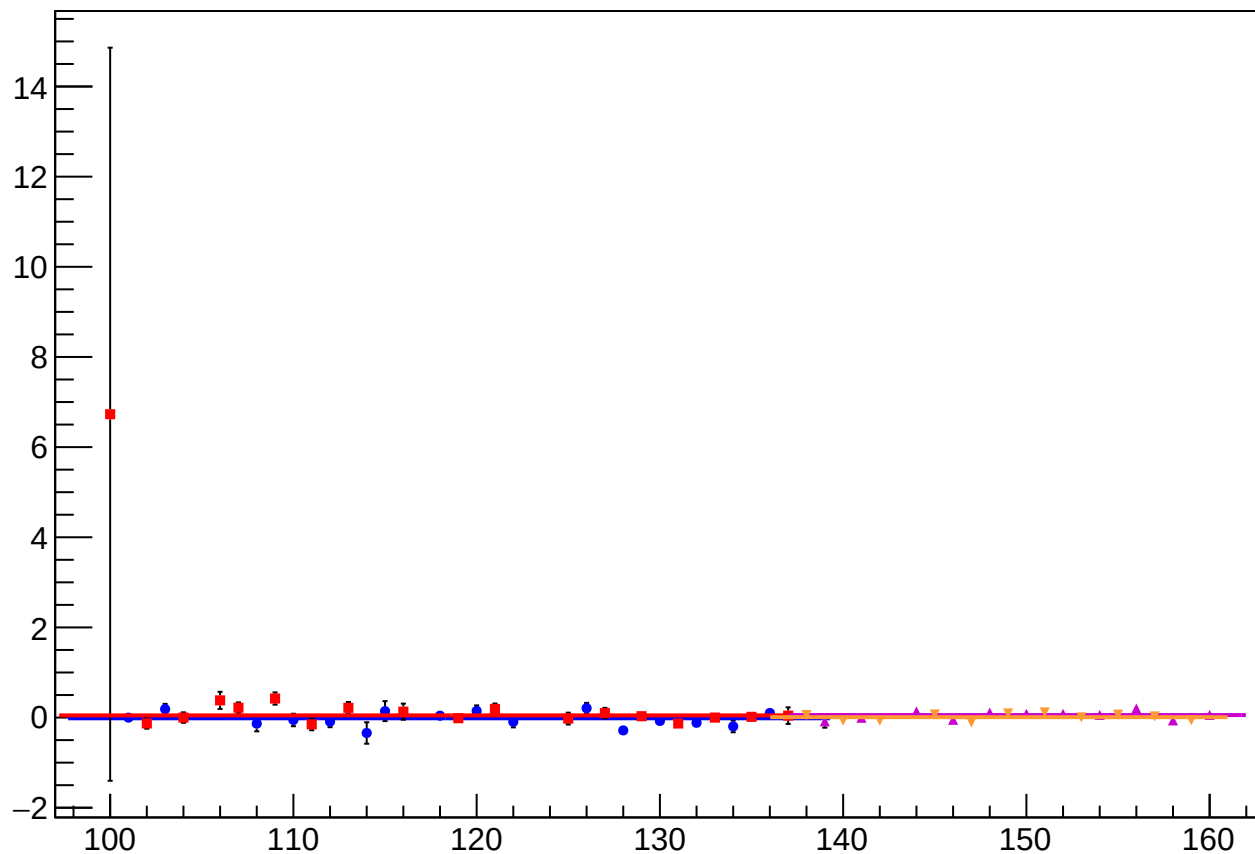
Left In: -0.027 ± 0.027 $\chi^2/\text{NDF}: 9.4/10$

0.068 ± 0.023 $\chi^2/\text{NDF}: 47.1/26$

-0.003 ± 0.016 $\chi^2/\text{NDF}: 108.5/55$

-0.073 ± 0.023 $\chi^2/\text{NDF}: 42.9/28$

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: 0.009 ± 0.023 χ^2/NDF : 11.6/10

Right Out: 0.048 ± 0.029 χ^2/NDF : 25.9/17

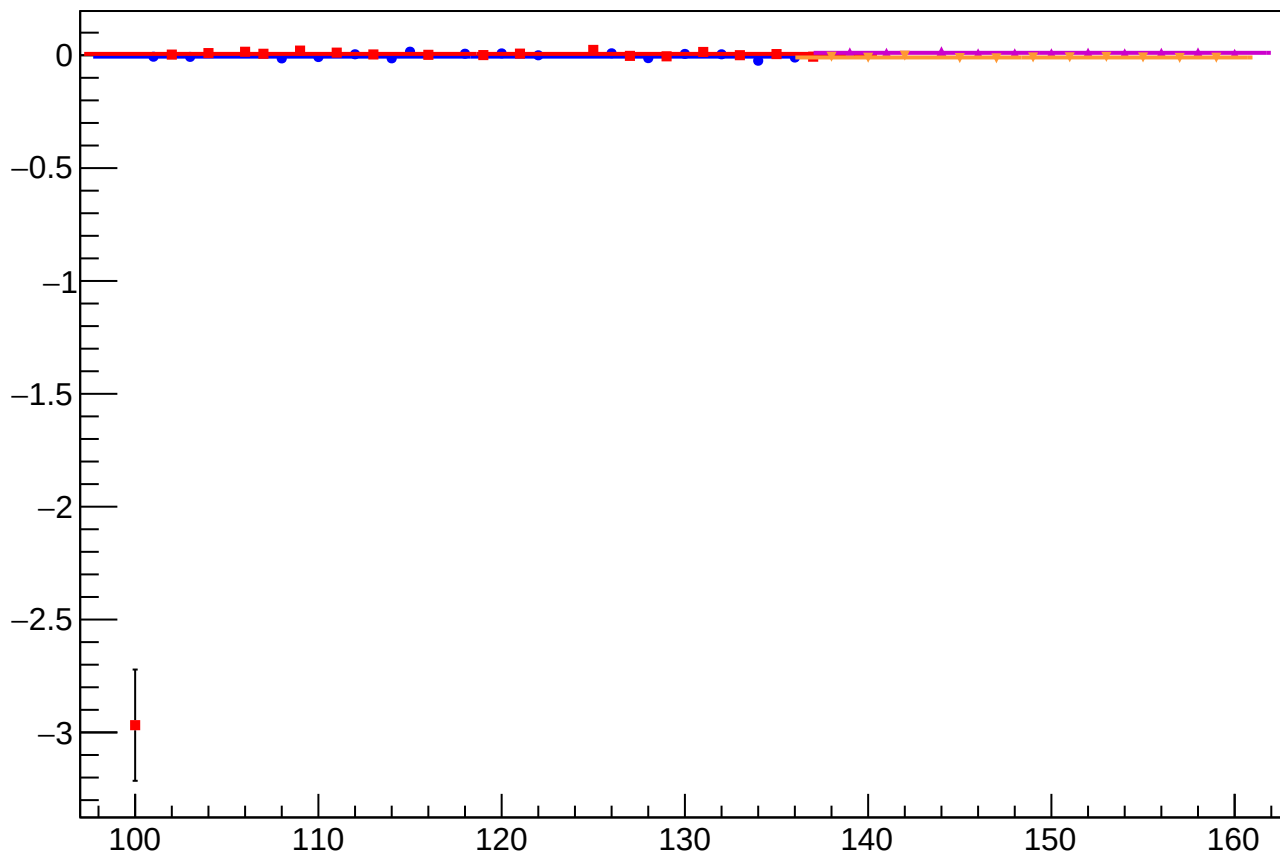
Left In: 0.055 ± 0.023 χ^2/NDF : 12.5/10

-0.002 ± 0.018 χ^2/NDF : 36.4/26

0.025 ± 0.013 χ^2/NDF : 79.6/55

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: -0.010 ± 0.001 χ^2/NDF : 5.7/10

Right Out: 0.006 ± 0.001 χ^2/NDF : 165.9/17

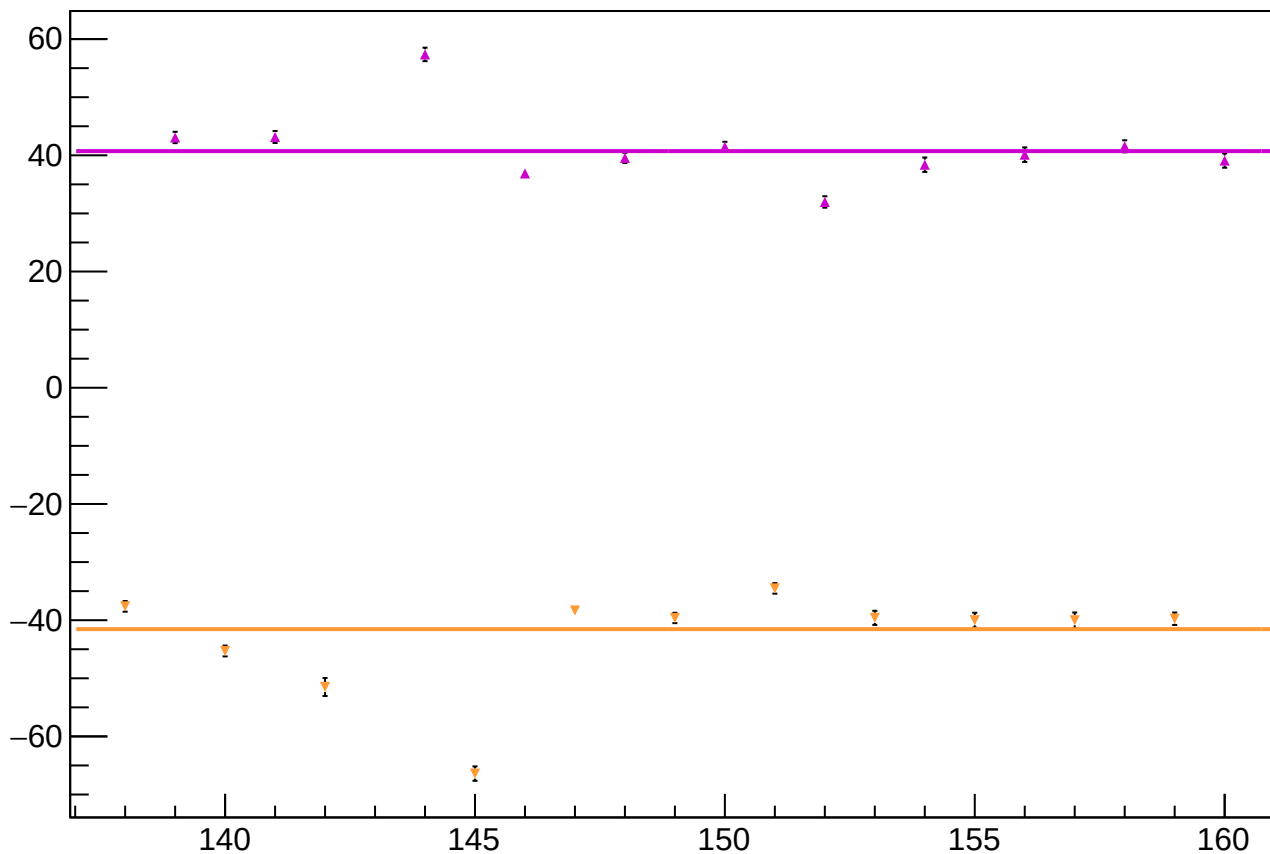
Left In: 0.011 ± 0.001 χ^2/NDF : 6.4/10

-0.009 ± 0.001 χ^2/NDF : 37.2/26

0.000 ± 0.001 χ^2/NDF : 428.0/55

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: -41.538+/-0.317 χ^2/NDF : 564.4/10

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

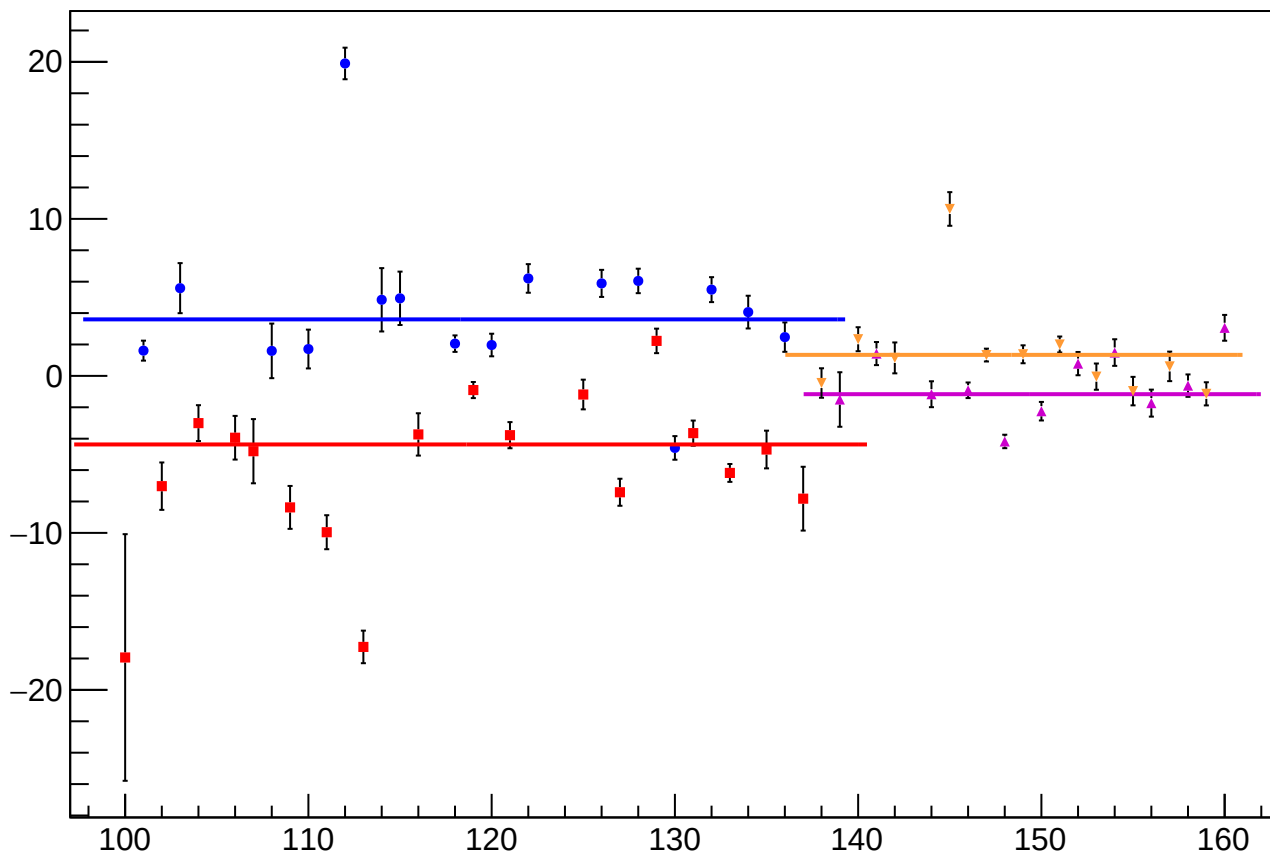
Left In: 40.720+/-0.307 χ^2/NDF : 325.7/10

-41.538+/-0.317 χ^2/NDF : 564.4/10

0.909+/-0.220 χ^2/NDF : 35653.5/21

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: 1.338 ± 0.207 χ^2/NDF : 103.5/10

Right Out: -4.367 ± 0.225 χ^2/NDF : 353.1/17

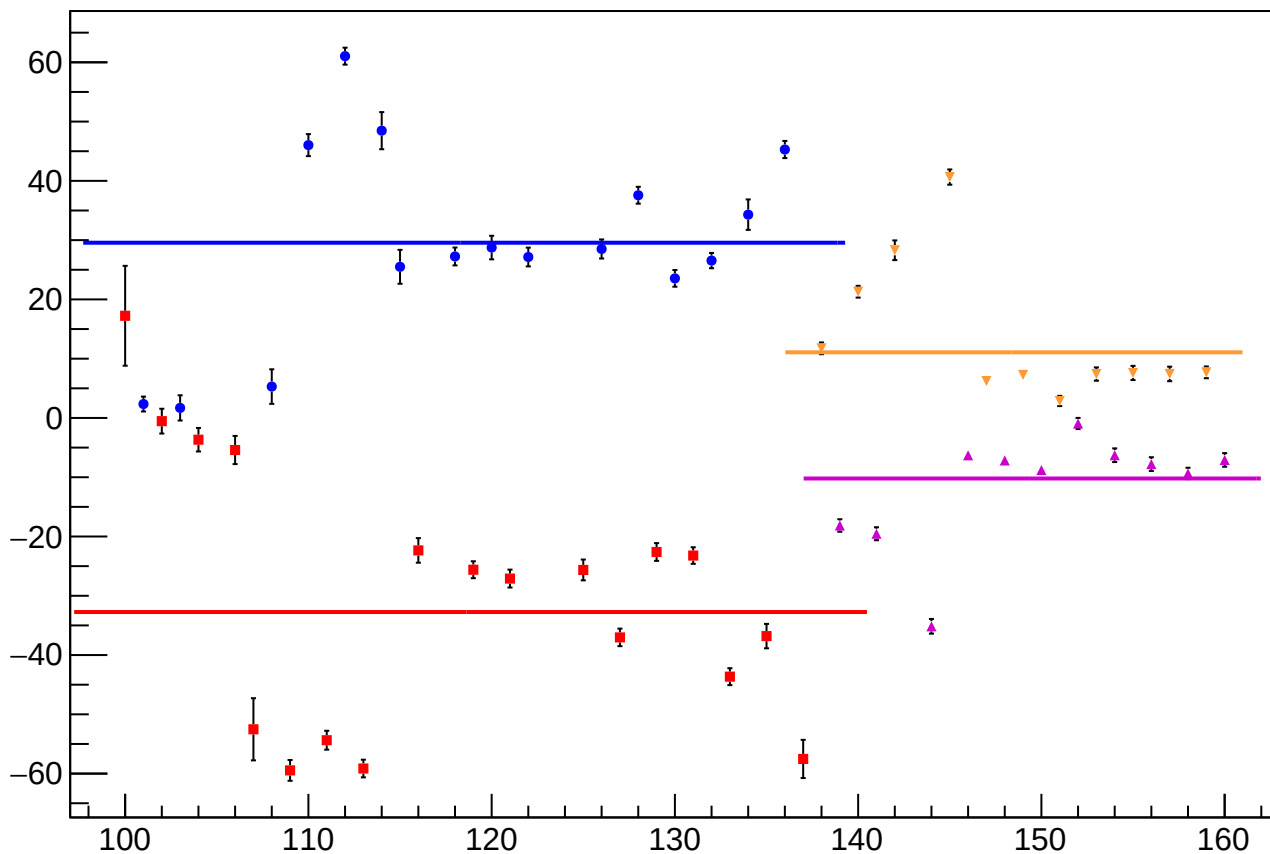
Left In: -1.166 ± 0.204 χ^2/NDF : 109.4/10

2.399 ± 0.151 χ^2/NDF : 602.8/26

-0.104 ± 0.107 χ^2/NDF : 1727.0/55

-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 χ^2/NDF : 1494.6/15

Left Out: 11.075+/-0.309 χ^2/NDF : 928.5/10

Right Out: -32.741+/-0.423 χ^2/NDF : 1663.3/17

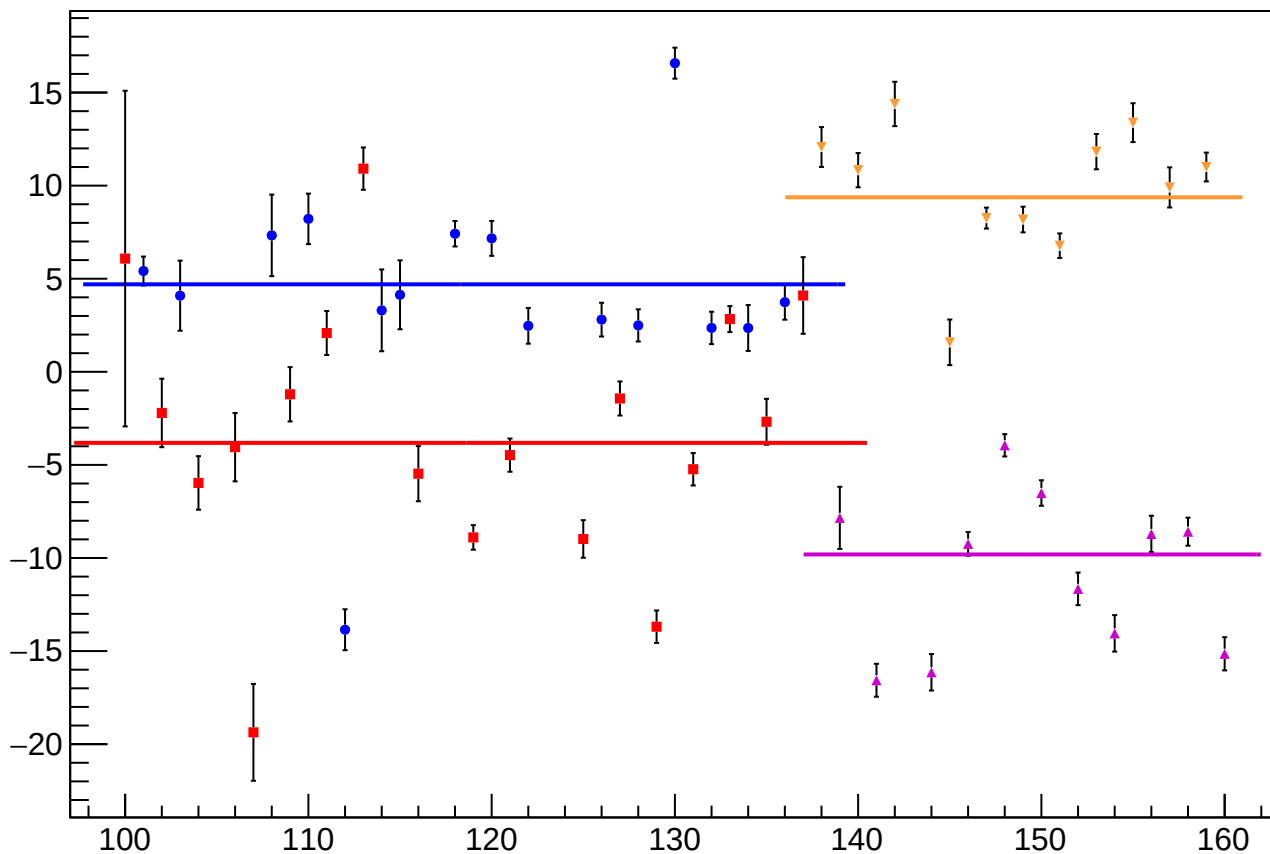
Left In: -10.215+/-0.297 χ^2/NDF : 694.1/10

17.574+/-0.249 χ^2/NDF : 3682.6/26

-0.444+/-0.174 χ^2/NDF : 18204.3/55

-17.670+/-0.243 χ^2/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: 9.374 ± 0.254 $\chi^2/\text{NDF}: 115.6/10$

Right Out: -3.817 ± 0.258 $\chi^2/\text{NDF}: 567.6/17$

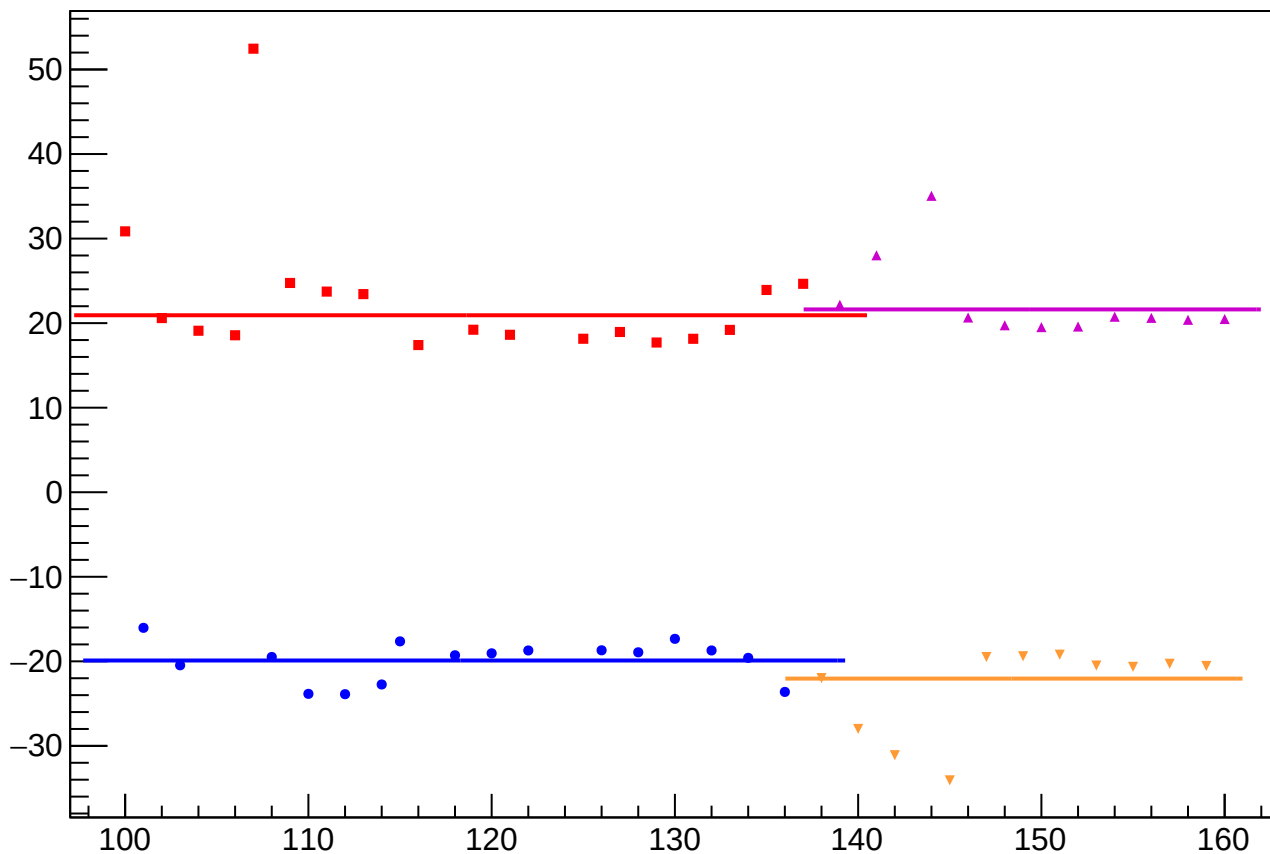
Left In: -9.811 ± 0.246 $\chi^2/\text{NDF}: 284.0/10$

7.039 ± 0.180 $\chi^2/\text{NDF}: 834.0/26$

-0.007 ± 0.127 $\chi^2/\text{NDF}: 5027.0/55$

-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: -22.042 ± 0.012 $\chi^2/\text{NDF}: 114910.2/10$

Right Out: 20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

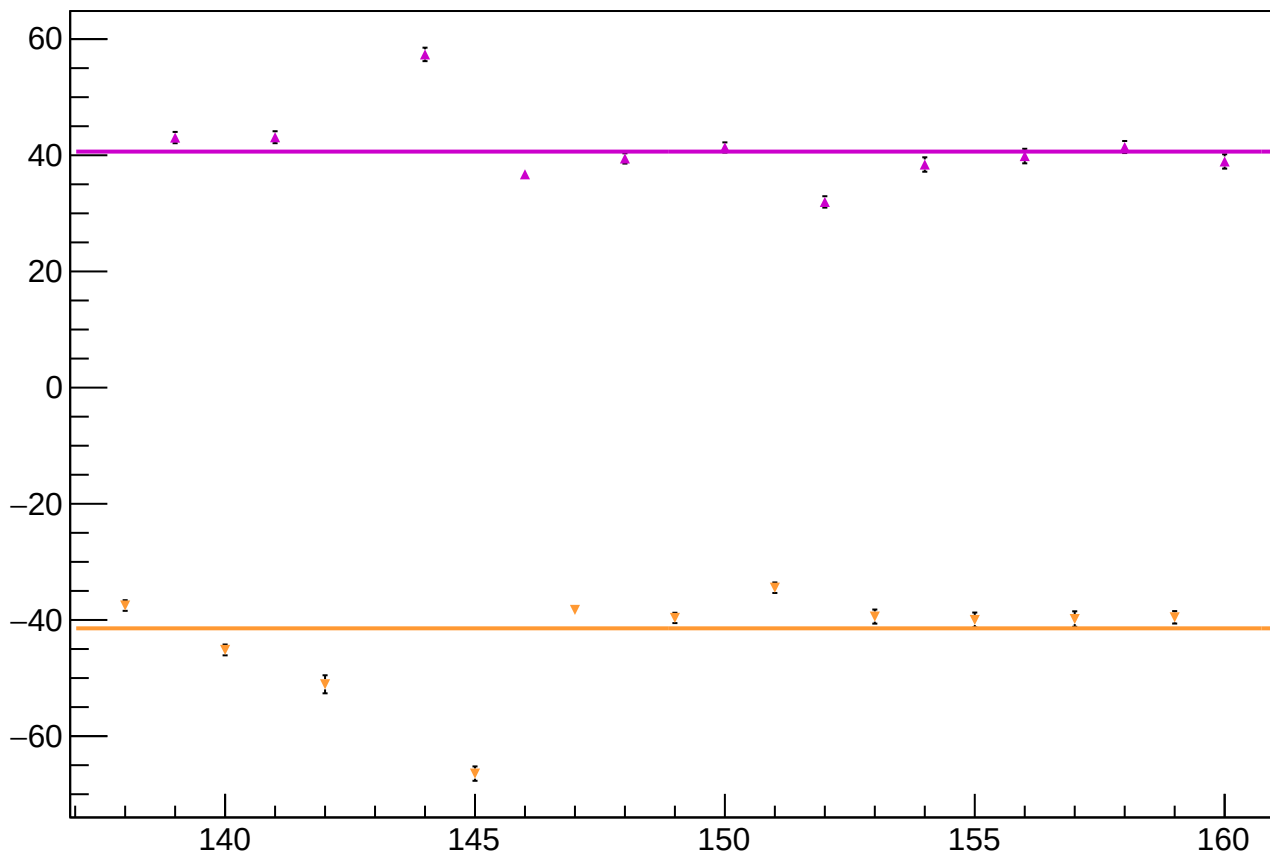
Left In: 21.622 ± 0.012 $\chi^2/\text{NDF}: 95082.0/10$

-21.220 ± 0.010 $\chi^2/\text{NDF}: 152476.6/26$

0.788 ± 0.007 $\chi^2/\text{NDF}: 10306562.6/55$

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: -41.441+/-0.317 χ^2/NDF : 566.3/10

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

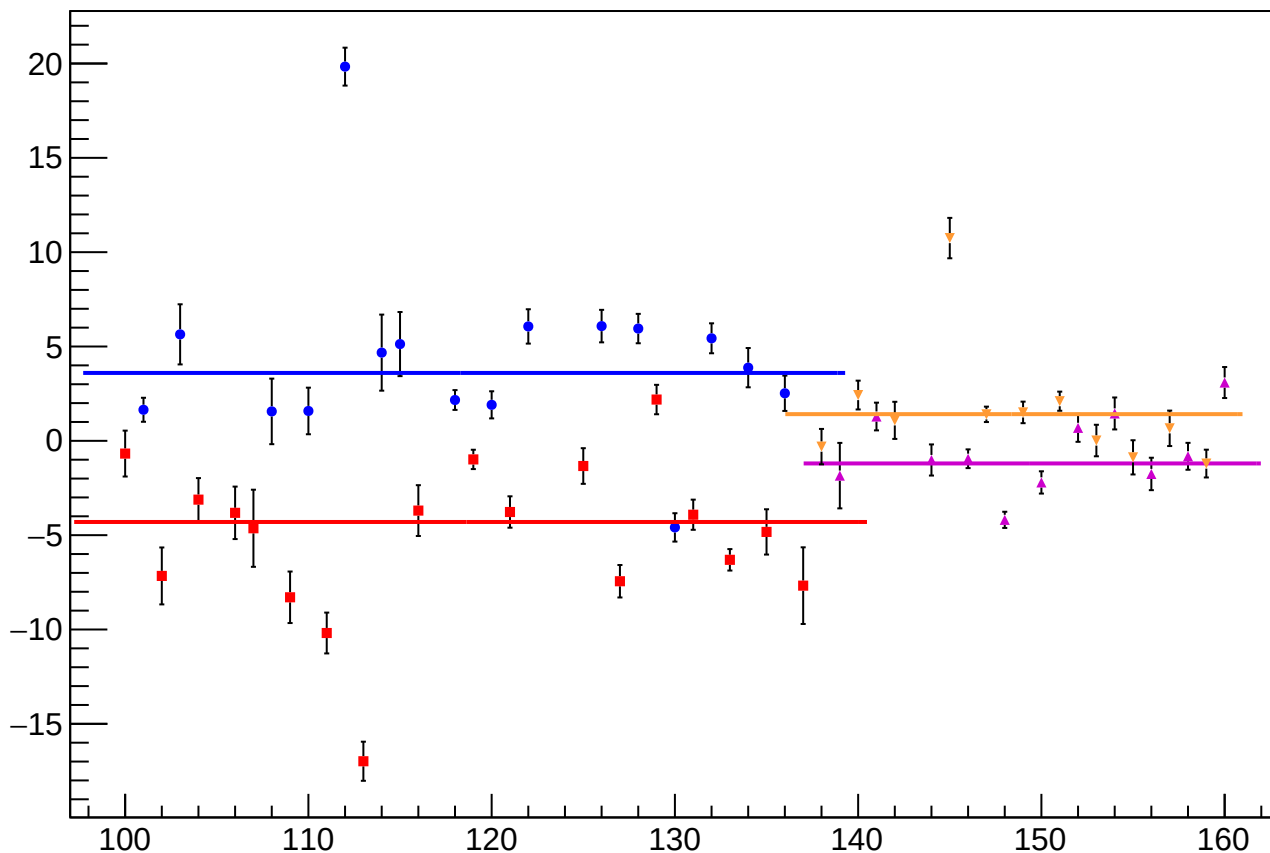
Left In: 40.633+/-0.307 χ^2/NDF : 327.8/10

-41.441+/-0.317 χ^2/NDF : 566.3/10

0.912+/-0.220 χ^2/NDF : 35542.6/21

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: 1.415 ± 0.207 χ^2/NDF : 105.6/10

Right Out: -4.301 ± 0.221 χ^2/NDF : 352.1/17

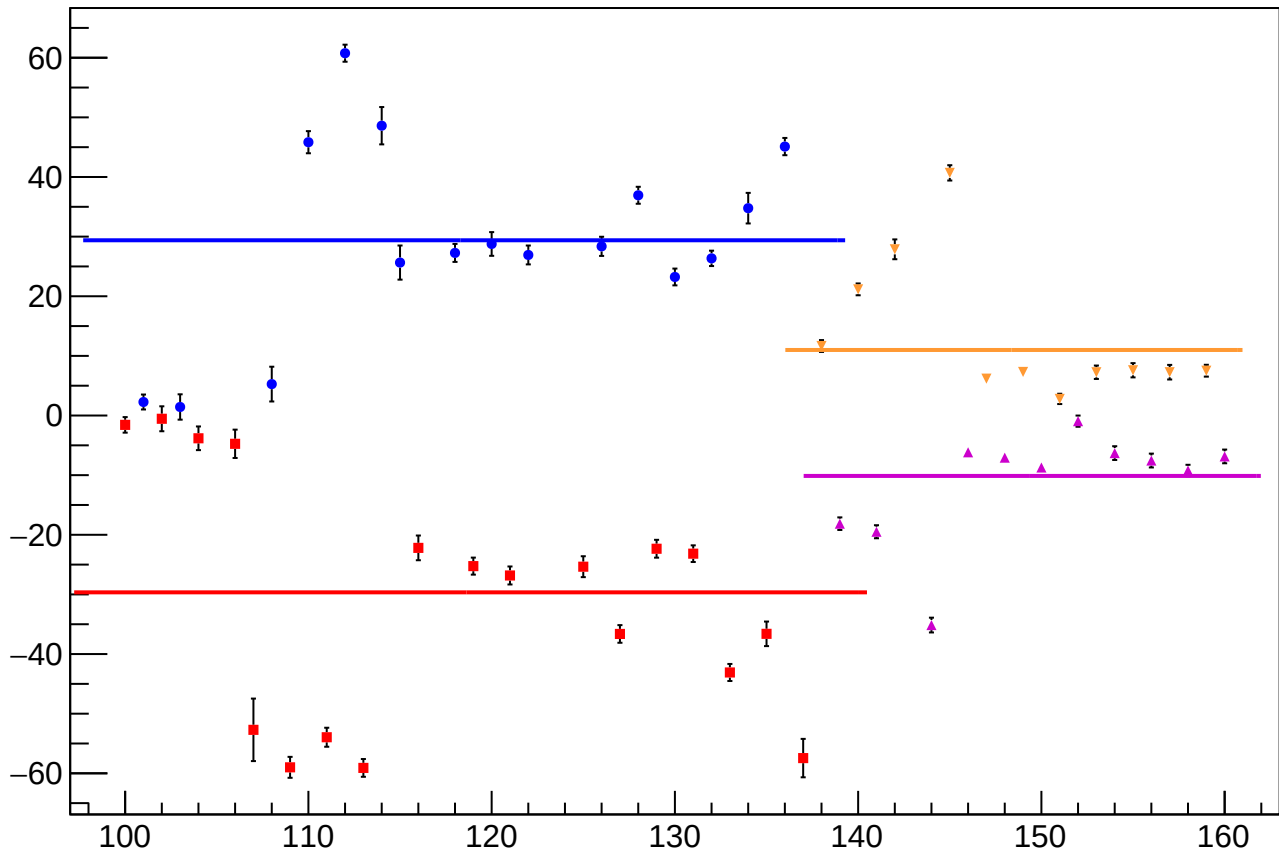
Left In: -1.198 ± 0.204 χ^2/NDF : 107.6/10

2.440 ± 0.151 χ^2/NDF : 598.1/26

-0.109 ± 0.106 χ^2/NDF : 1731.7/55

-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: 10.992 ± 0.309 $\chi^2/\text{NDF}: 928.2/10$

Right Out: -29.652 ± 0.402 $\chi^2/\text{NDF}: 2131.0/17$

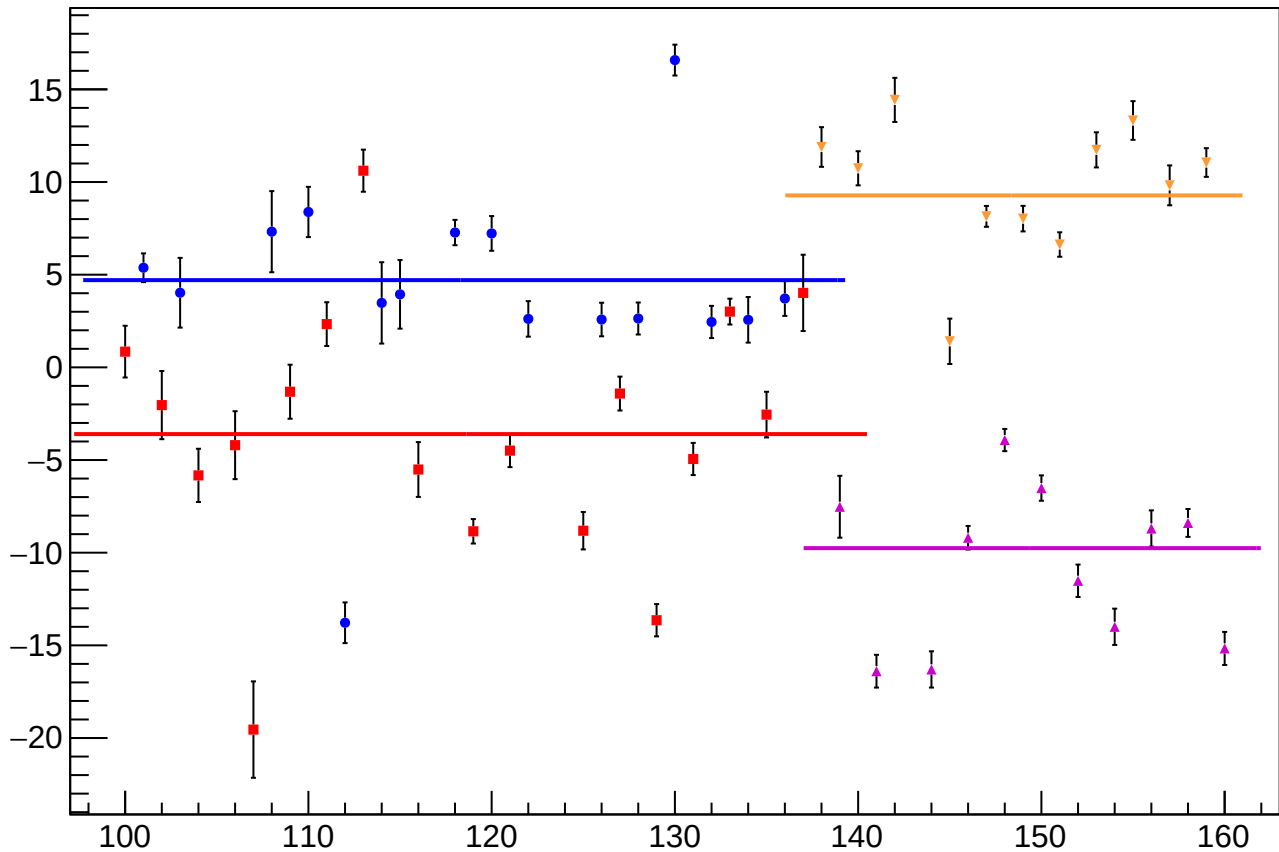
Left In: -10.129 ± 0.297 $\chi^2/\text{NDF}: 698.4/10$

17.459 ± 0.249 $\chi^2/\text{NDF}: 3665.2/26$

-0.455 ± 0.172 $\chi^2/\text{NDF}: 18013.7/55$

-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 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.277 ± 0.254 $\chi^2/\text{NDF}: 119.3/10$

Right Out: -3.601 ± 0.254 $\chi^2/\text{NDF}: 573.4/17$

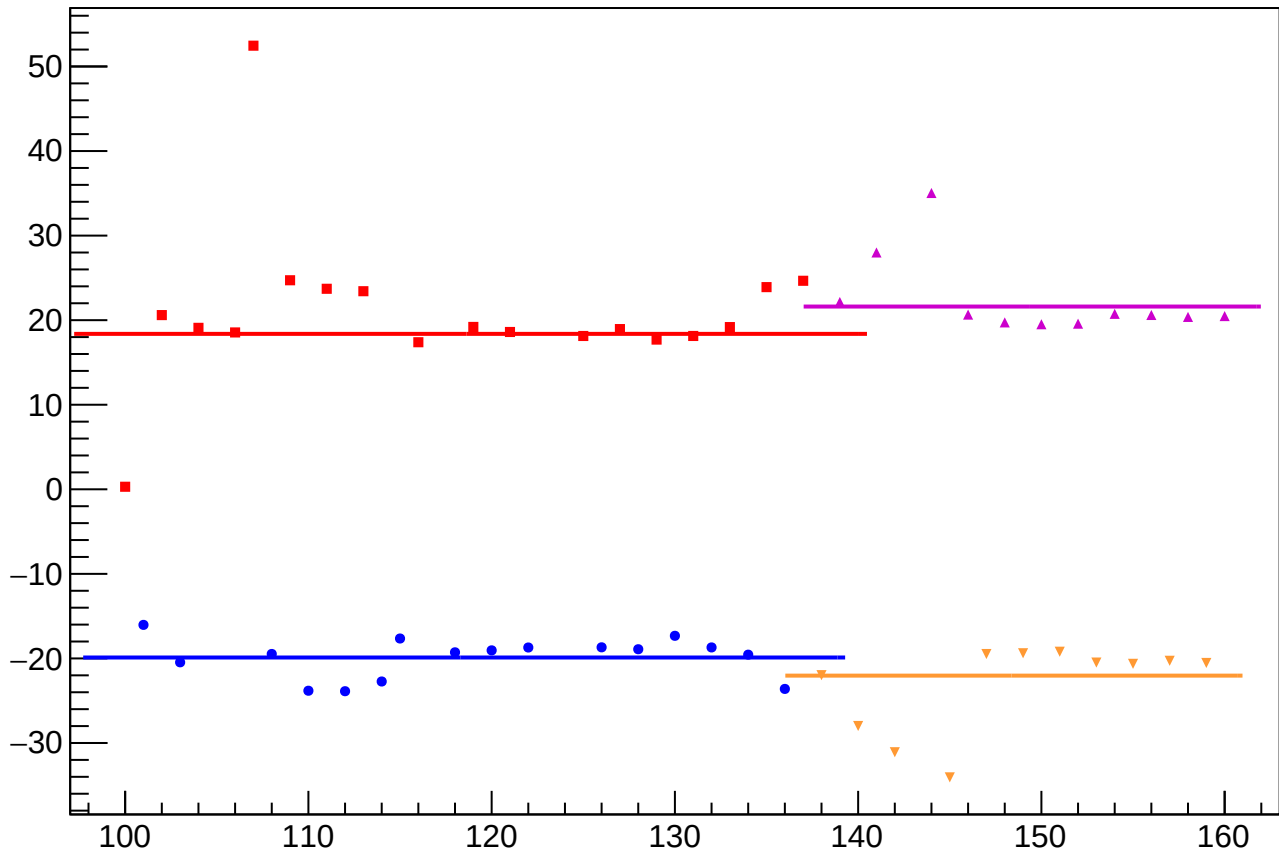
Left In: -9.755 ± 0.246 $\chi^2/\text{NDF}: 285.0/10$

6.994 ± 0.179 $\chi^2/\text{NDF}: 826.7/26$

0.008 ± 0.126 $\chi^2/\text{NDF}: 4975.4/55$

-6.774 ± 0.177 $\chi^2/\text{NDF}: 1161.0/28$

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: -22.033 ± 0.012 χ^2/NDF : 114985.7/10

Right Out: 18.380 ± 0.015 χ^2/NDF : 300999.4/17

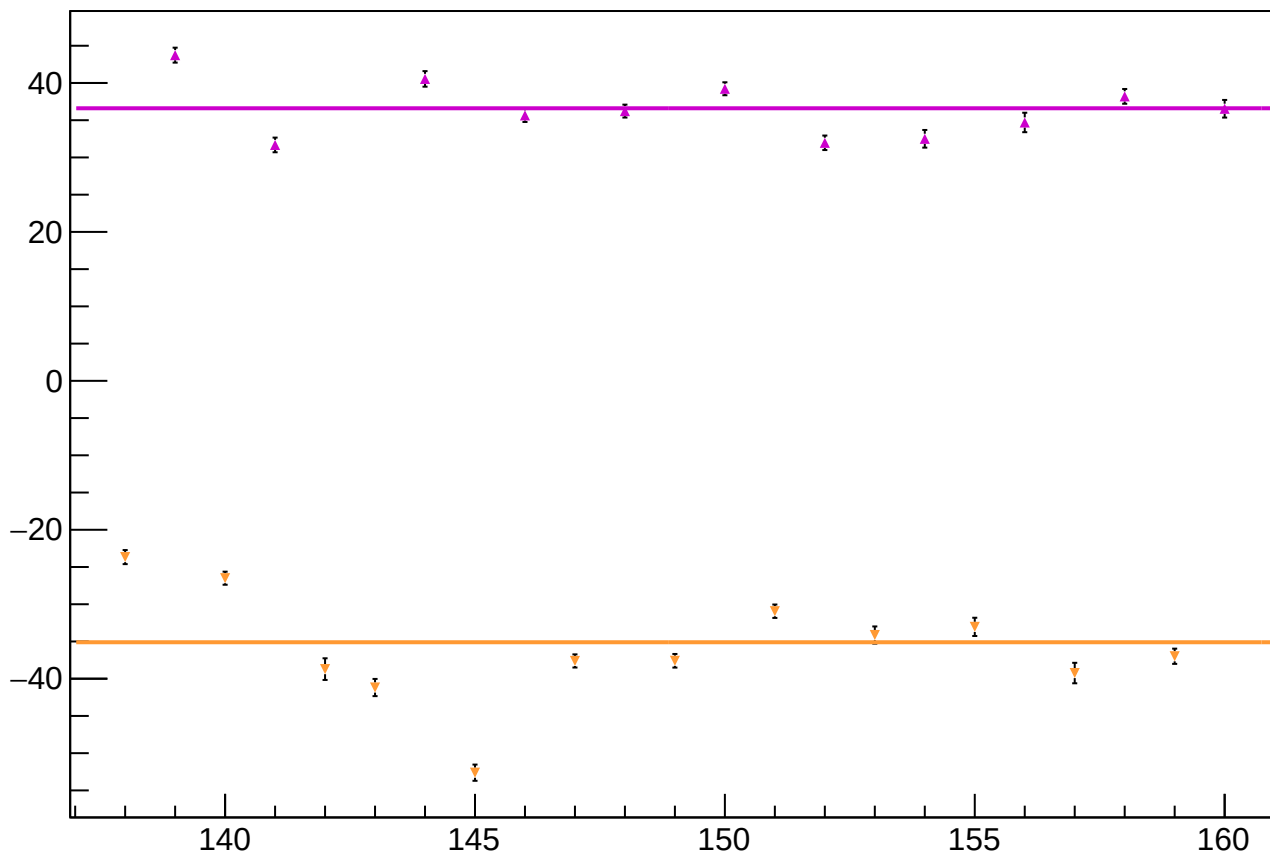
Left In: 21.612 ± 0.012 χ^2/NDF : 95019.9/10

-21.210 ± 0.010 χ^2/NDF : 152594.7/26

0.758 ± 0.007 χ^2/NDF : 10297029.9/55

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: -35.104+/-0.300 χ^2/NDF : 588.0/11

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

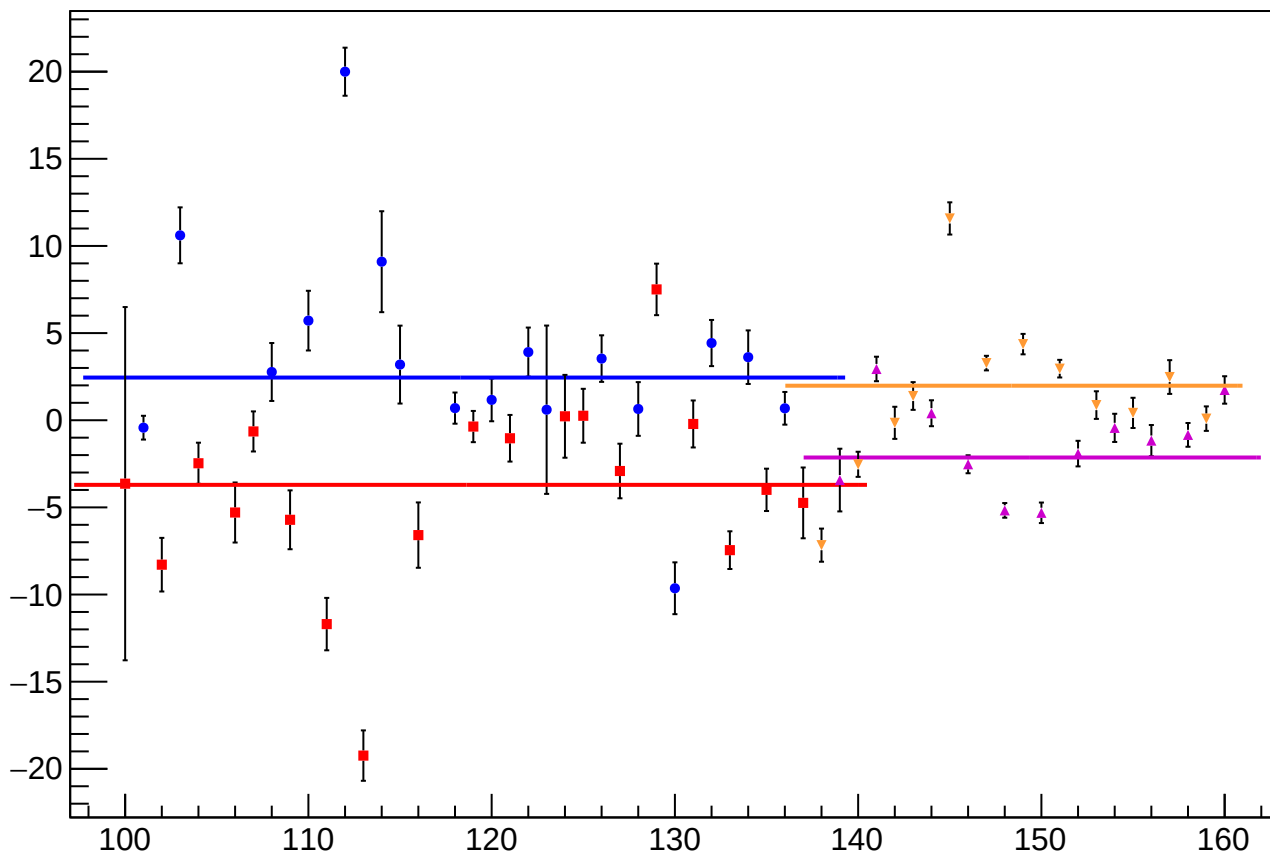
Left In: 36.603+/-0.302 χ^2/NDF : 139.5/10

-35.104+/-0.300 χ^2/NDF : 588.0/11

0.491+/-0.213 χ^2/NDF : 29066.3/22

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 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 1.981 ± 0.198 $\chi^2/\text{NDF}: 288.1/11$

Right Out: -3.707 ± 0.326 $\chi^2/\text{NDF}: 269.4/18$

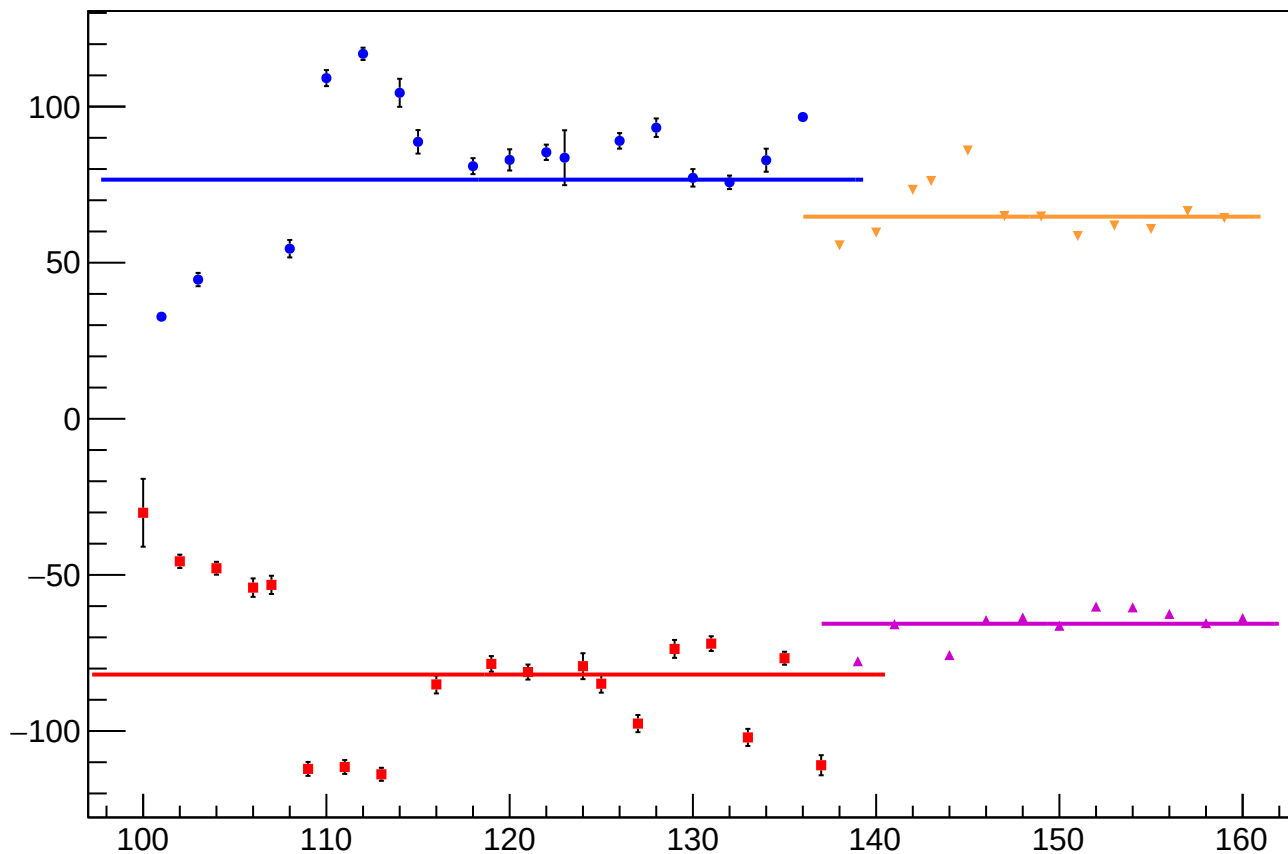
Left In: -2.138 ± 0.201 $\chi^2/\text{NDF}: 179.4/10$

2.114 ± 0.168 $\chi^2/\text{NDF}: 585.0/28$

-0.180 ± 0.120 $\chi^2/\text{NDF}: 1433.4/58$

-2.569 ± 0.171 $\chi^2/\text{NDF}: 465.6/29$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 $\pm$ 0.576 χ^2/NDF : 2255.1/16

Left Out: 64.743 $\pm$ 0.295 χ^2/NDF : 647.2/11

Right Out: -81.916 $\pm$ 0.592 χ^2/NDF : 1570.7/18

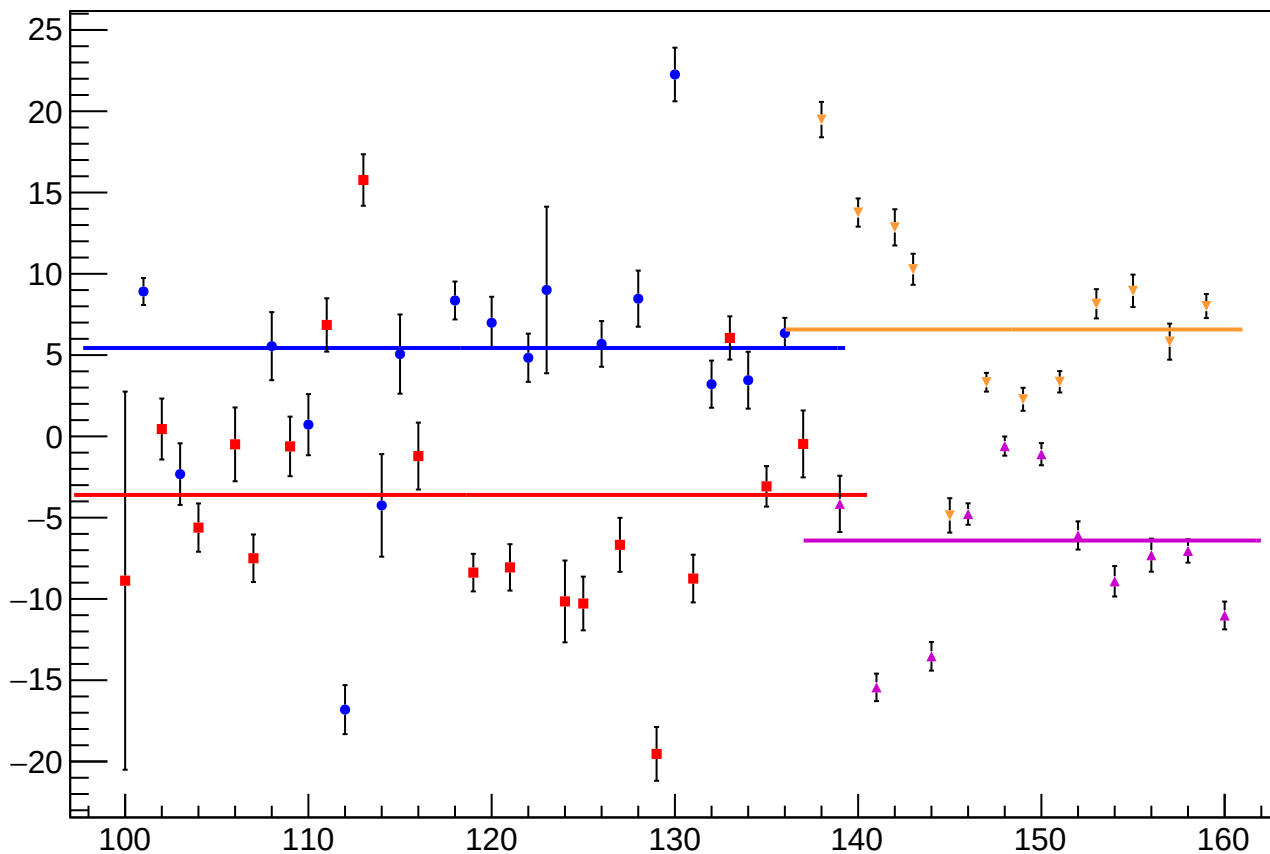
Left In: -65.644 $\pm$ 0.293 χ^2/NDF : 277.8/10

67.203 $\pm$ 0.262 χ^2/NDF : 3238.0/28

-0.758 $\pm$ 0.186 χ^2/NDF : 140000.2/58

-68.845 $\pm$ 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: 6.575 ± 0.241 $\chi^2/\text{NDF}: 478.2/11$

Right Out: -3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

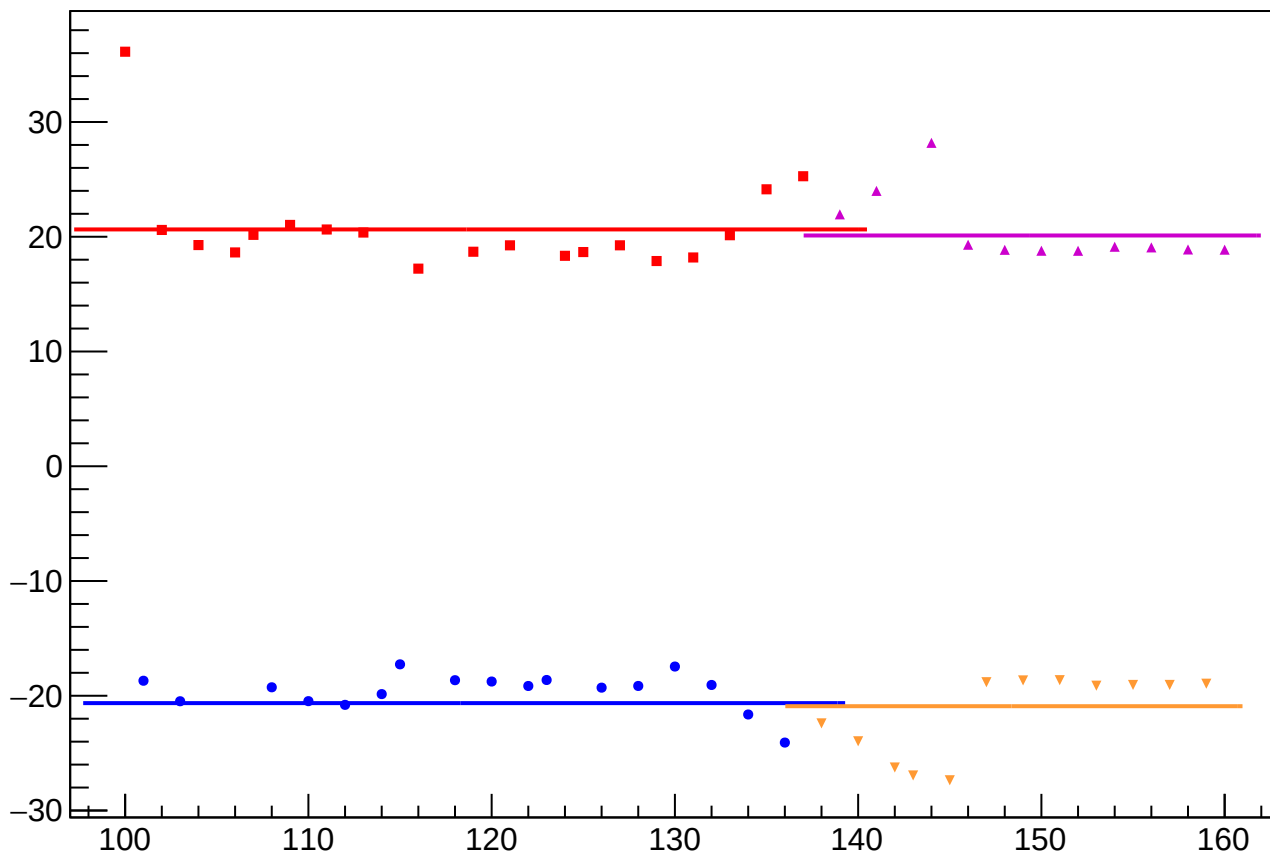
Left In: -6.407 ± 0.242 $\chi^2/\text{NDF}: 382.8/10$

6.222 ± 0.201 $\chi^2/\text{NDF}: 872.3/28$

0.399 ± 0.143 $\chi^2/\text{NDF}: 3426.9/58$

-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 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -20.911 ± 0.012 $\chi^2/\text{NDF}: 69650.5/11$

Right Out: 20.638 ± 0.019 $\chi^2/\text{NDF}: 13783.4/18$

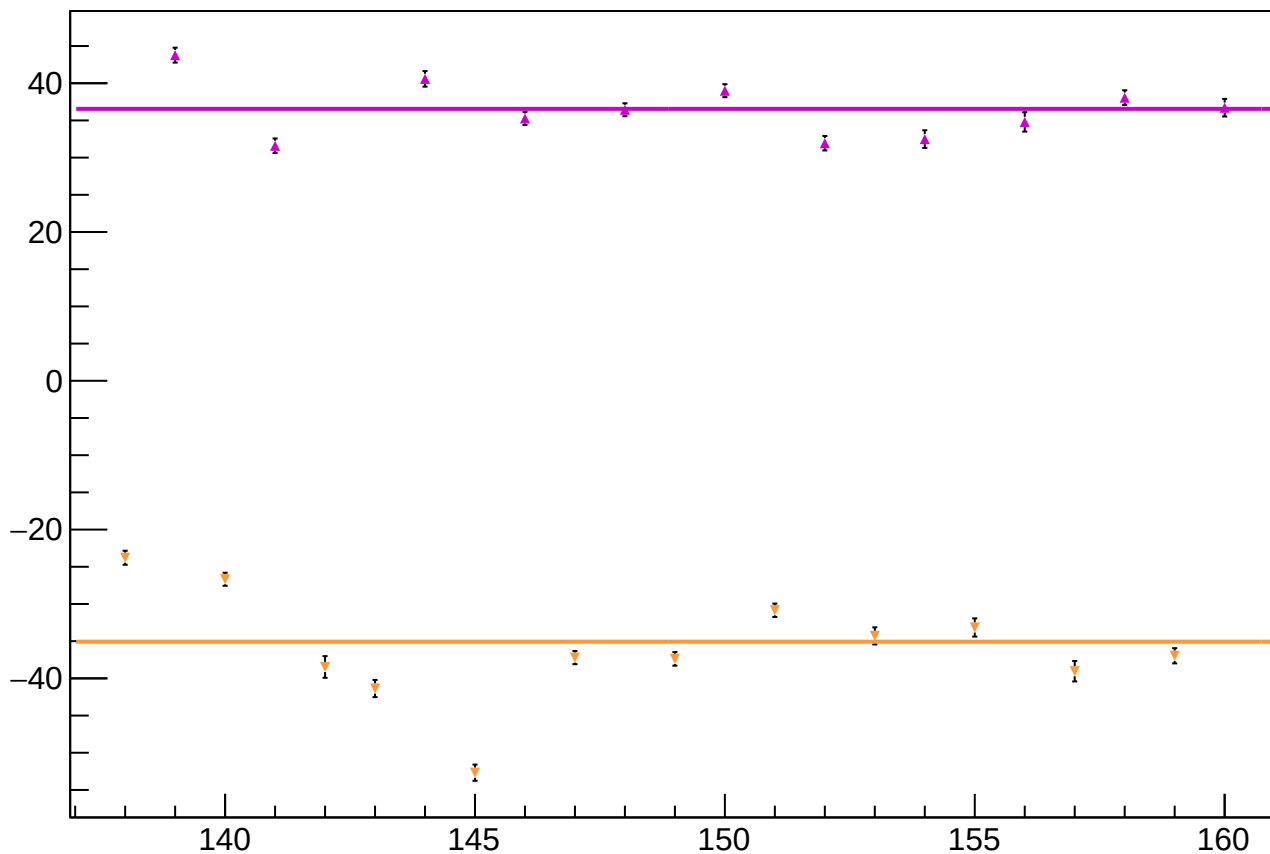
Left In: 20.110 ± 0.012 $\chi^2/\text{NDF}: 46103.4/10$

-20.838 ± 0.010 $\chi^2/\text{NDF}: 82223.1/28$

-0.011 ± 0.007 $\chi^2/\text{NDF}: 8606613.8/58$

20.247 ± 0.010 $\chi^2/\text{NDF}: 60431.5/29$

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: -35.070+/-0.300 χ^2/NDF : 578.9/11

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

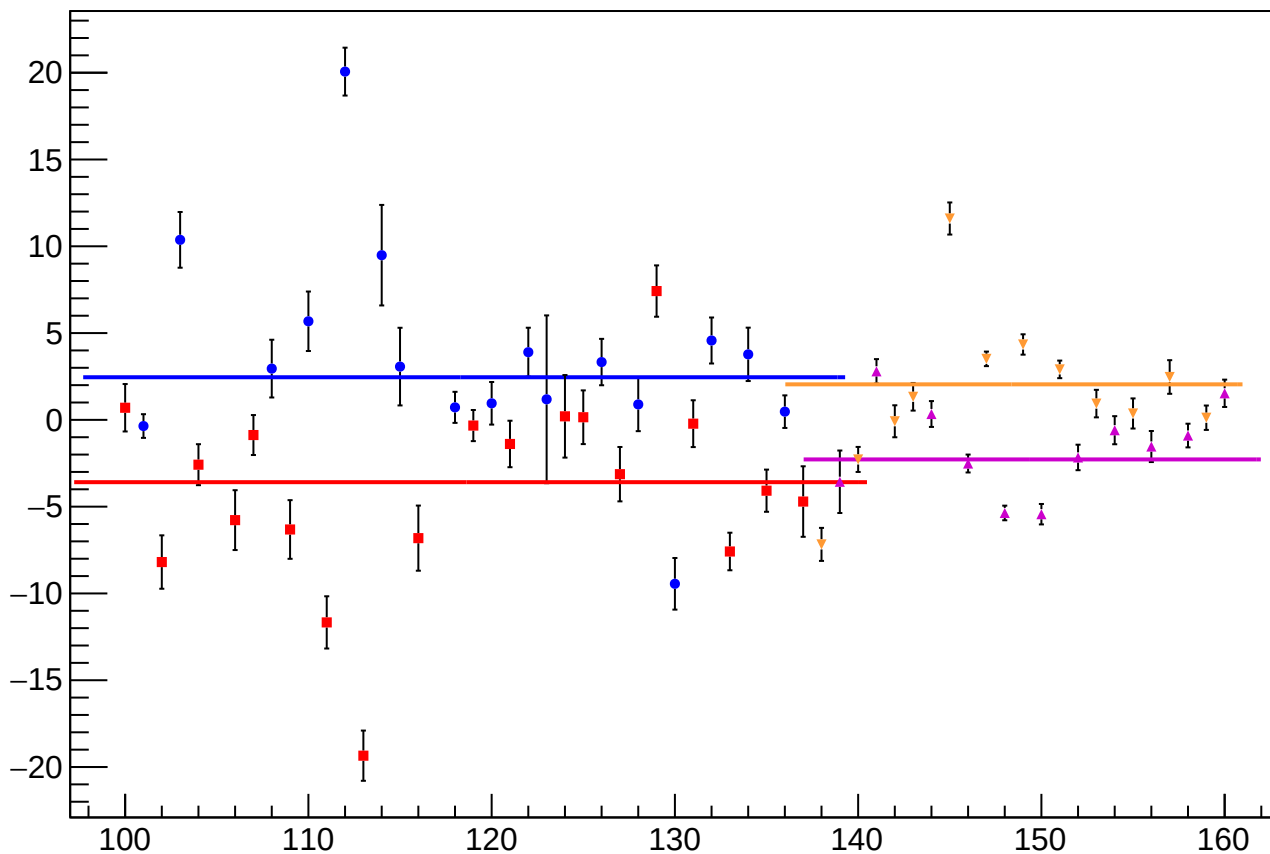
Left In: 36.556+/-0.302 χ^2/NDF : 140.1/10

-35.070+/-0.300 χ^2/NDF : 578.9/11

0.482+/-0.213 χ^2/NDF : 28957.2/22

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: 2.046 ± 0.198 χ^2/NDF : 286.8/11

Right Out: -3.590 ± 0.318 χ^2/NDF : 279.8/18

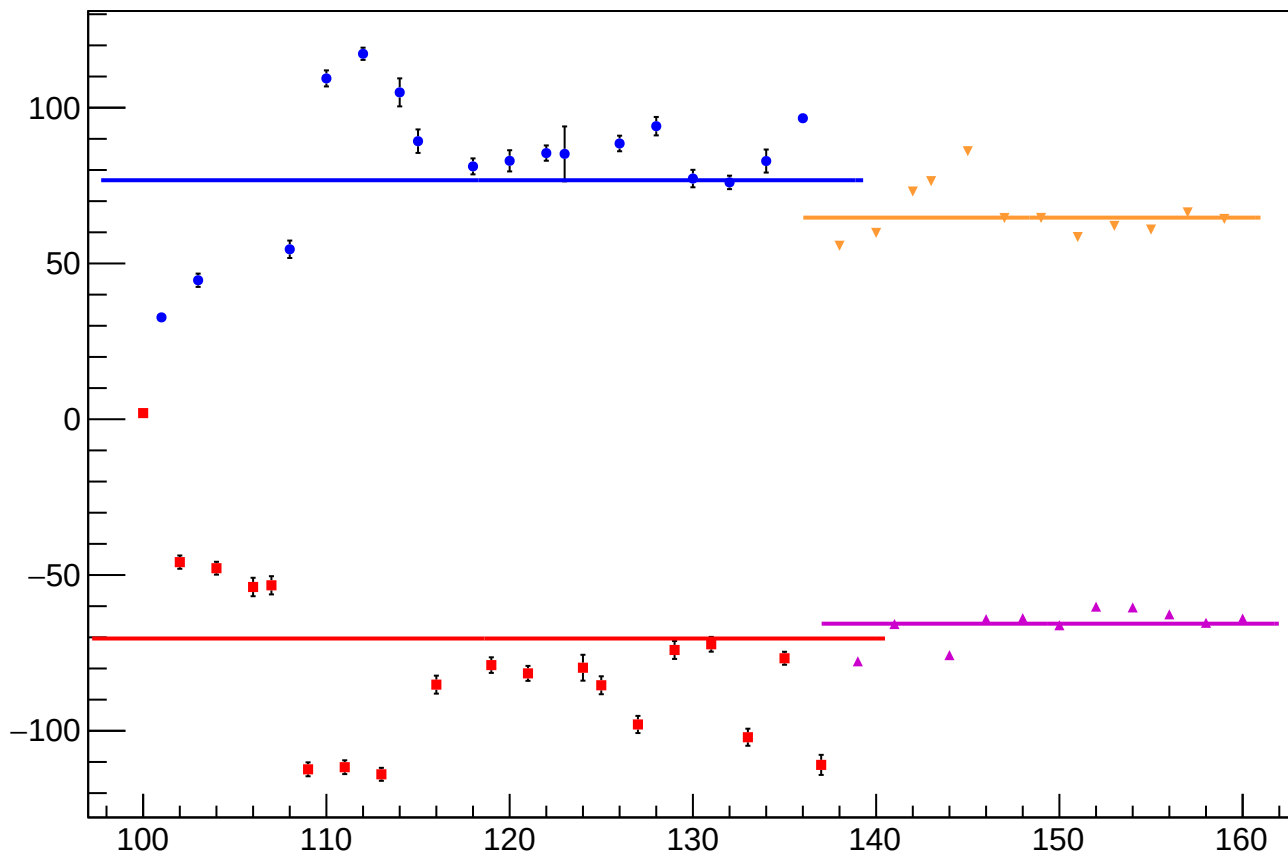
Left In: -2.279 ± 0.201 χ^2/NDF : 179.9/10

2.163 ± 0.168 χ^2/NDF : 581.5/28

-0.215 ± 0.119 χ^2/NDF : 1460.8/58

-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 $\chi^2/\text{NDF}: 2266.6/16$

Left Out: 64.714 ± 0.295 $\chi^2/\text{NDF}: 646.7/11$

Right Out: -70.376 ± 0.550 $\chi^2/\text{NDF}: 4390.7/18$

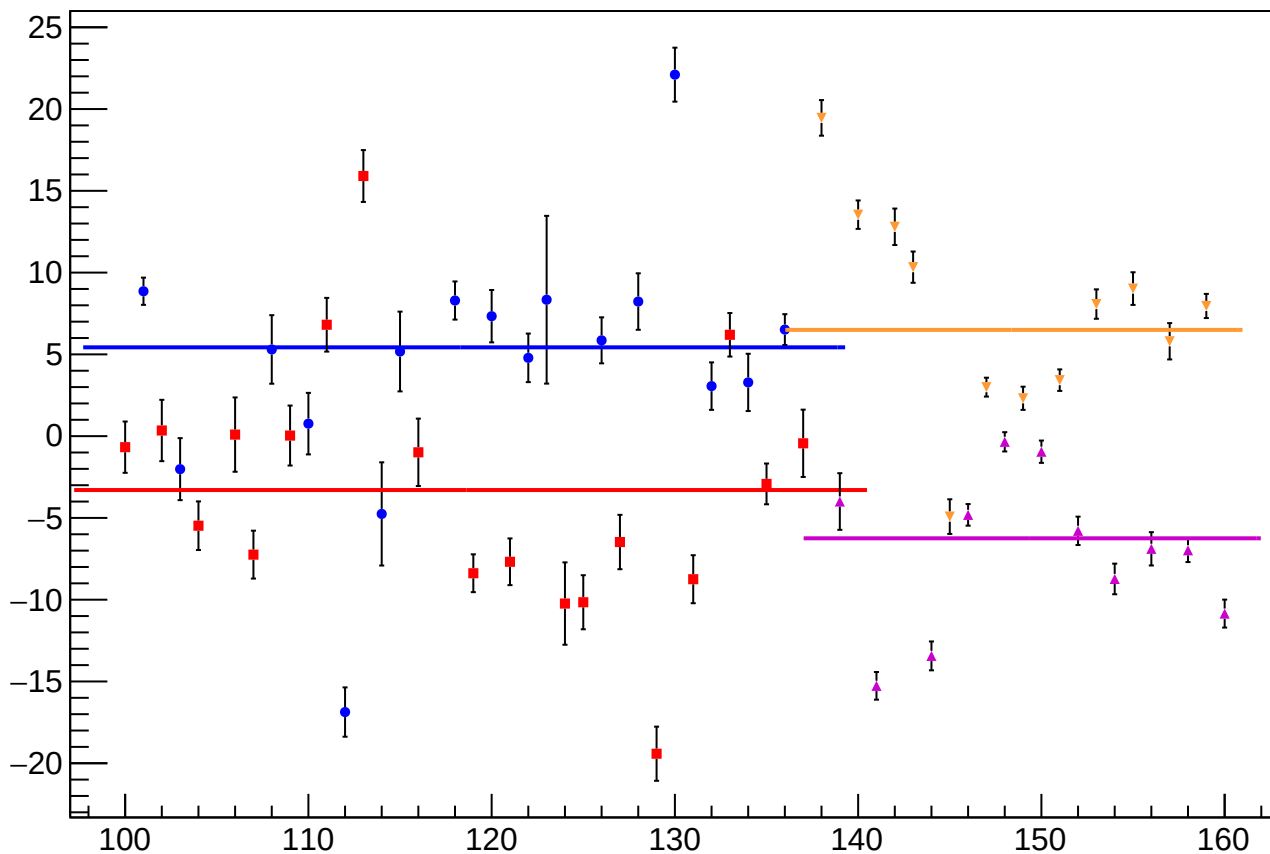
Left In: -65.620 ± 0.293 $\chi^2/\text{NDF}: 277.8/10$

67.203 ± 0.263 $\chi^2/\text{NDF}: 3256.8/28$

-0.708 ± 0.184 $\chi^2/\text{NDF}: 139897.8/58$

-66.673 ± 0.259 $\chi^2/\text{NDF}: 4726.7/29$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 6.498 ± 0.242 χ^2/NDF : 478.8/11

Right Out: -3.295 ± 0.365 χ^2/NDF : 426.1/18

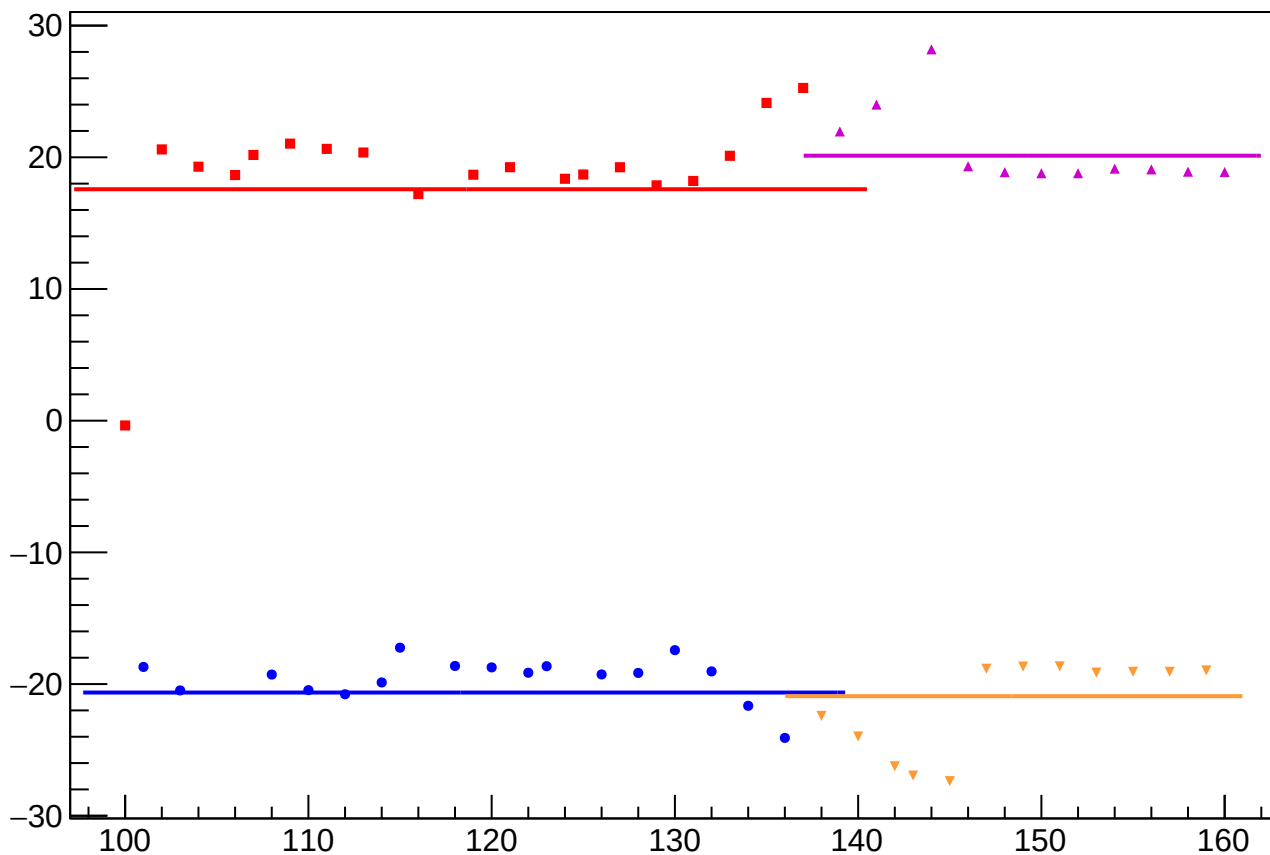
Left In: -6.247 ± 0.242 χ^2/NDF : 384.4/10

6.168 ± 0.201 χ^2/NDF : 870.8/28

0.442 ± 0.142 χ^2/NDF : 3363.5/58

-5.345 ± 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 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -20.921 ± 0.012 $\chi^2/\text{NDF}: 69484.0/11$

Right Out: 17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

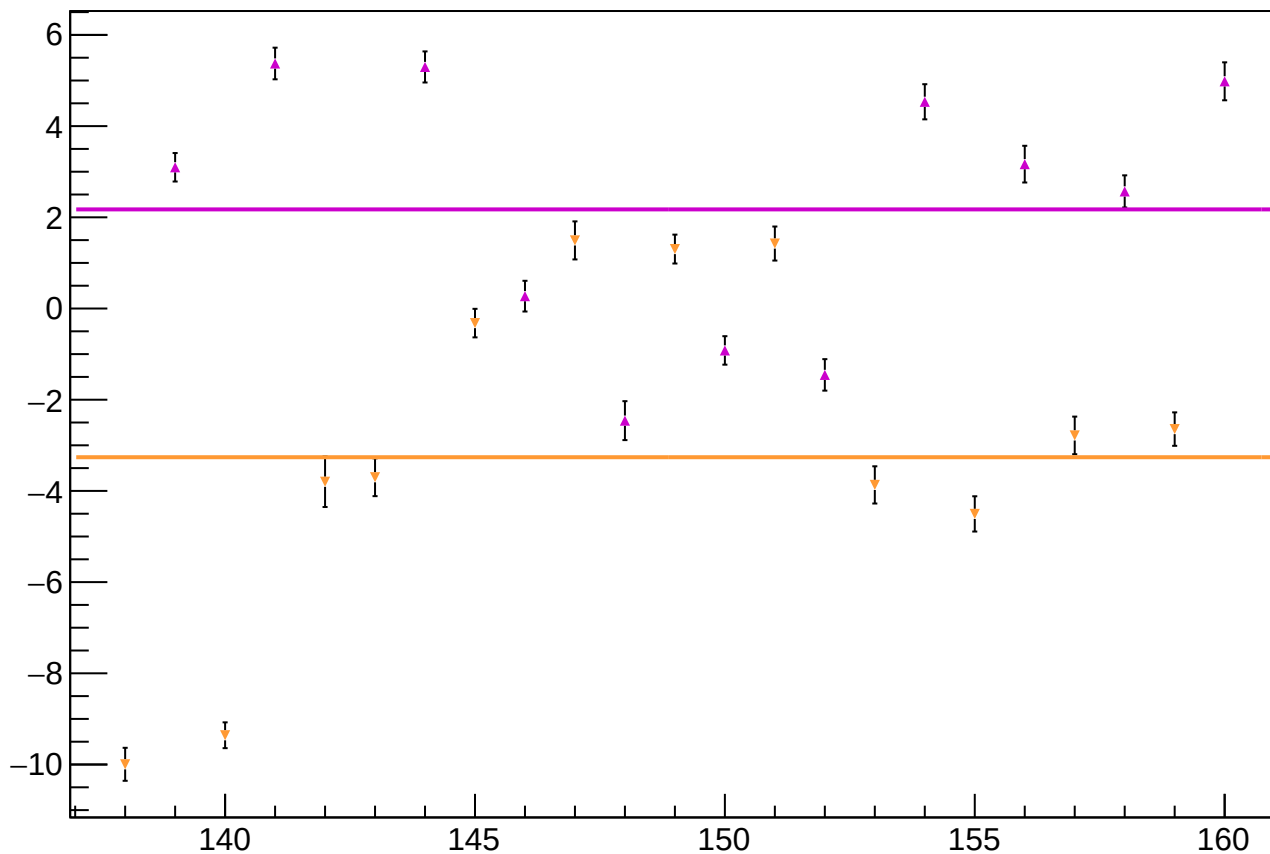
Left In: 20.121 ± 0.012 $\chi^2/\text{NDF}: 46031.3/10$

-20.846 ± 0.010 $\chi^2/\text{NDF}: 82103.3/28$

-0.034 ± 0.007 $\chi^2/\text{NDF}: 8592629.4/58$

19.382 ± 0.010 $\chi^2/\text{NDF}: 238517.0/29$

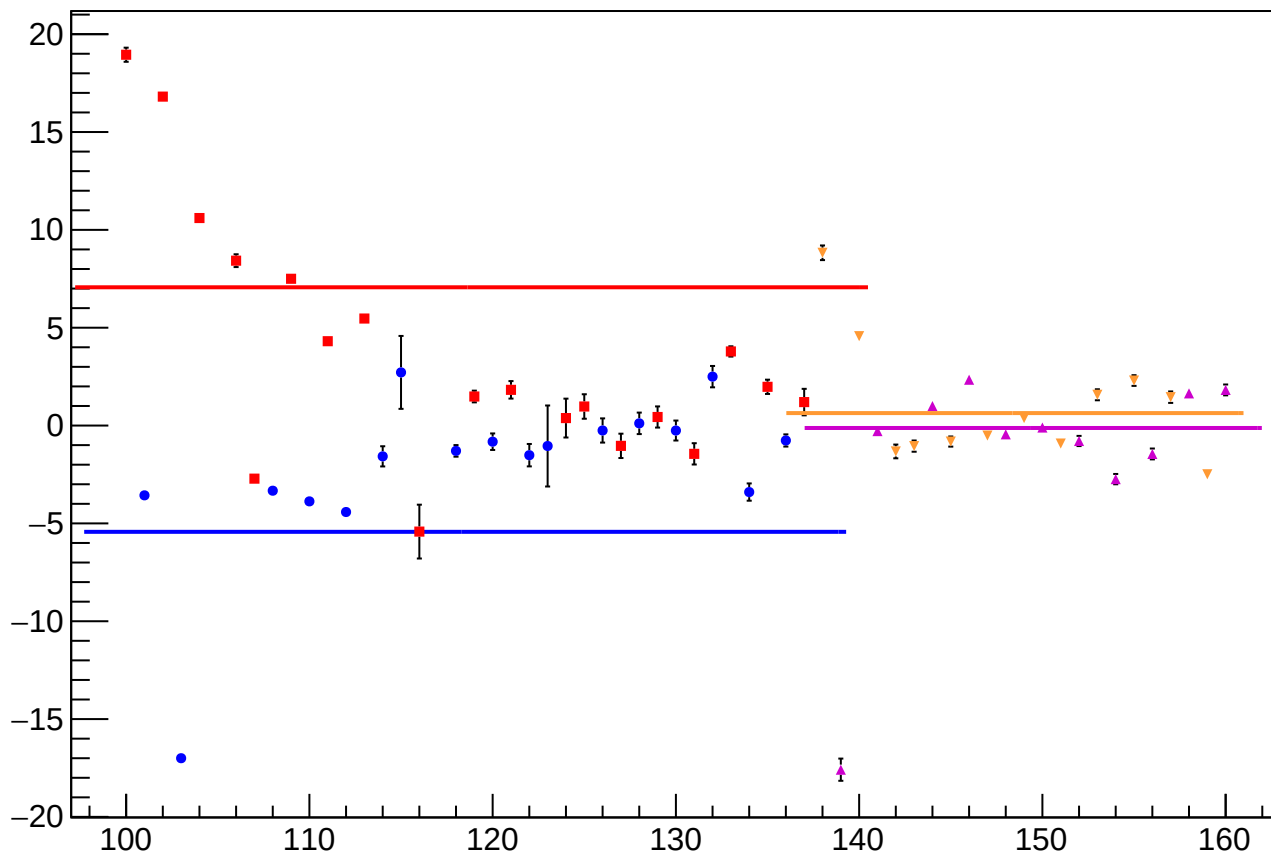
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.261+/-0.106 χ^2/NDF : 1413.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.174+/-0.107 χ^2/NDF : 626.4/10

-3.261+/-0.106 χ^2/NDF : 1413.3/11
 -0.567+/-0.076 χ^2/NDF : 3333.0/22
 2.174+/-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: 0.637 ± 0.074 χ^2/NDF : 1147.8/11

Right Out: 7.066 ± 0.059 χ^2/NDF : 12306.6/18

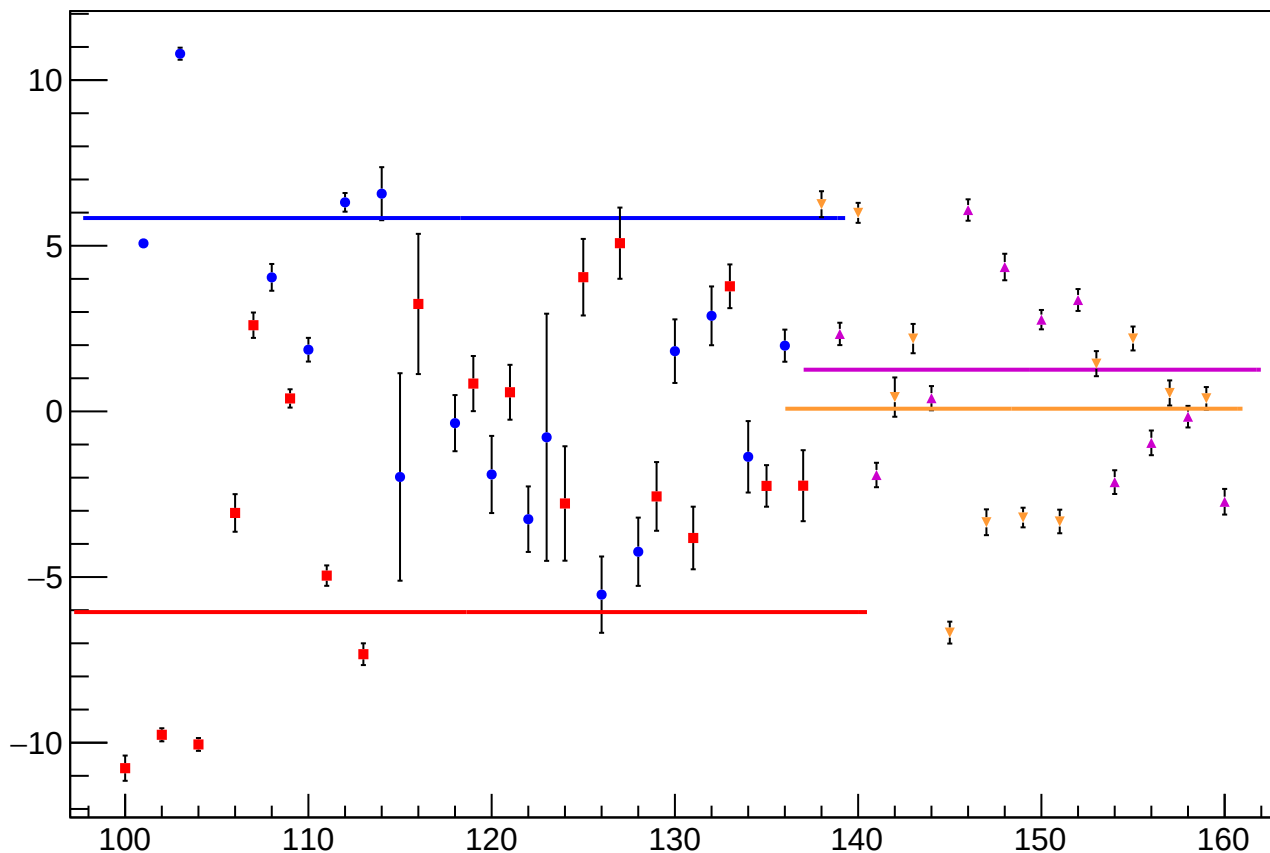
Left In: -0.124 ± 0.076 χ^2/NDF : 1333.9/10

-3.279 ± 0.044 χ^2/NDF : 14718.6/28

0.326 ± 0.032 χ^2/NDF : 48122.3/58

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 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: 0.081 ± 0.105 $\chi^2/\text{NDF}: 1414.8/11$

Right Out: -6.057 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

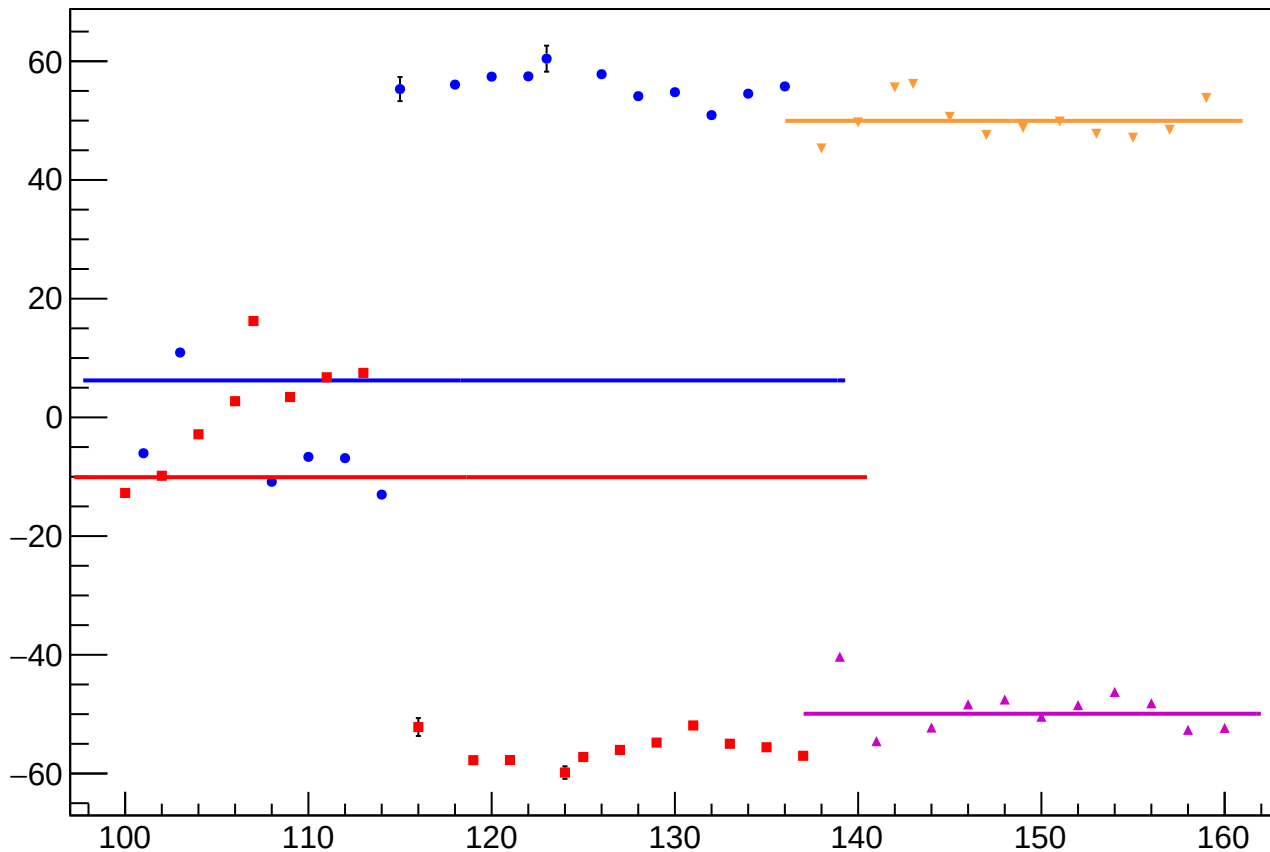
Left In: 1.259 ± 0.105 $\chi^2/\text{NDF}: 689.7/10$

3.410 ± 0.068 $\chi^2/\text{NDF}: 4593.0/28$

0.363 ± 0.049 $\chi^2/\text{NDF}: 14754.1/58$

-2.814 ± 0.070 $\chi^2/\text{NDF}: 6082.7/29$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 49.963 ± 0.088 χ^2/NDF : 1086.0/11

Right Out: -10.075 ± 0.070 χ^2/NDF : 122049.3/18

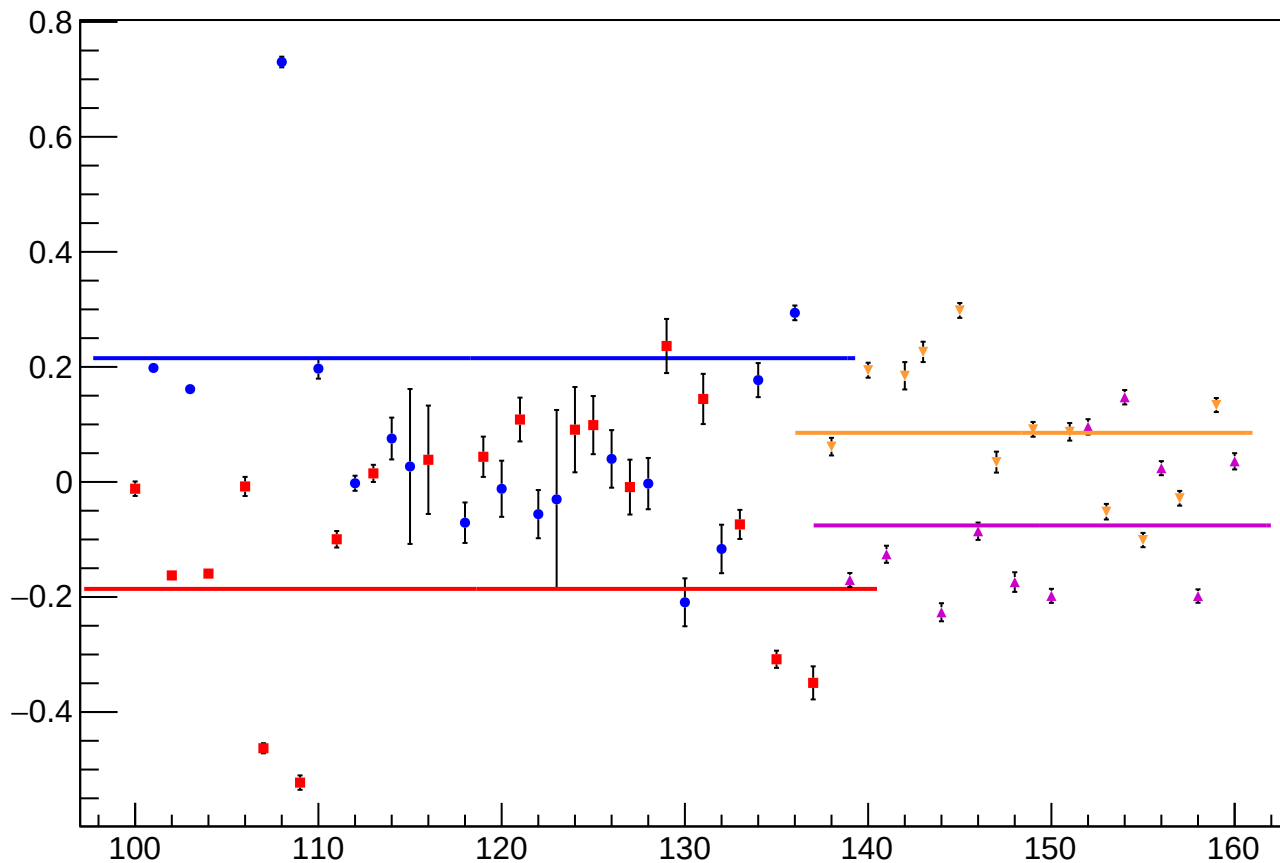
Left In: -49.929 ± 0.089 χ^2/NDF : 1094.4/10

21.562 ± 0.052 χ^2/NDF : 281636.1/28

-0.722 ± 0.038 χ^2/NDF : 911912.9/58

-25.282 ± 0.055 χ^2/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: 0.085 $\pm$ 0.004 χ^2 /NDF:852.6/11

Right Out: -0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

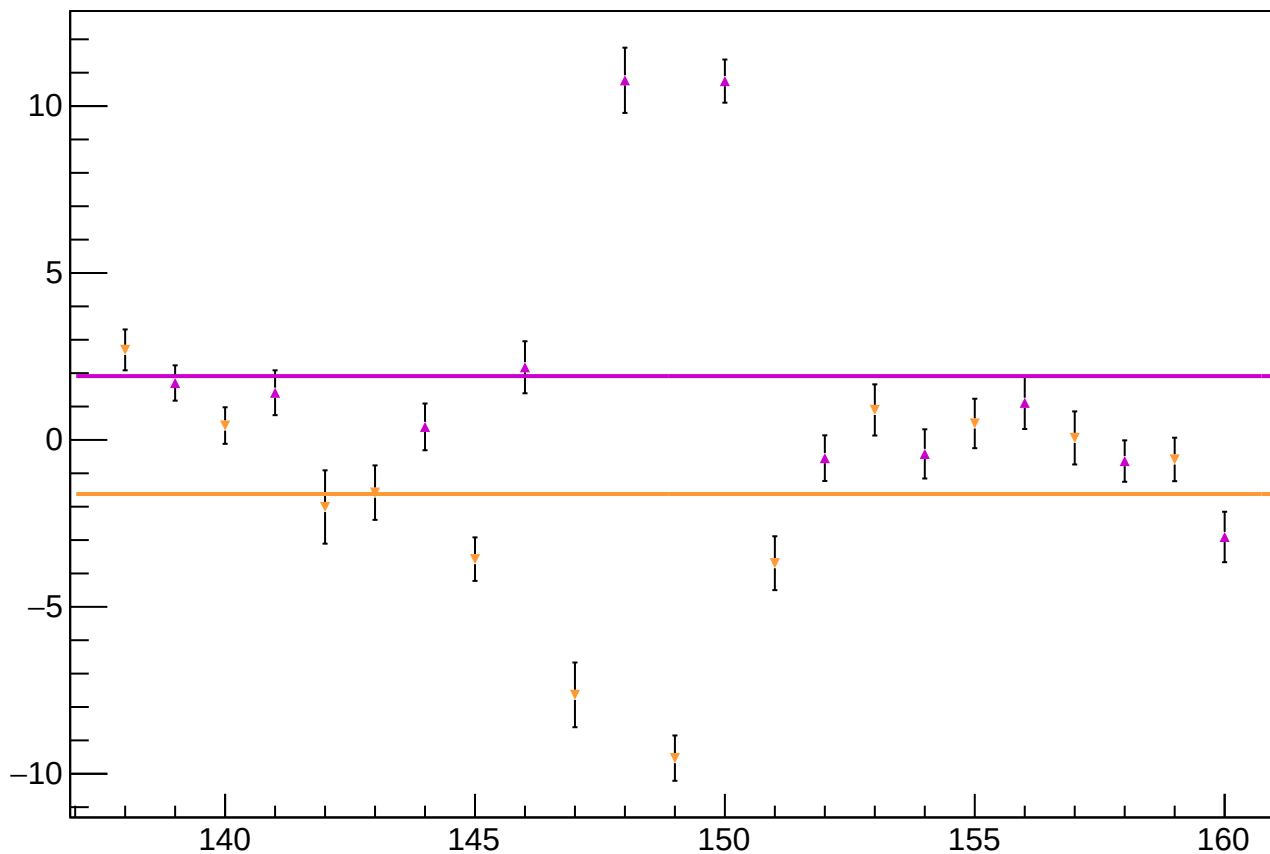
Left In: -0.076 $\pm$ 0.004 χ^2 /NDF:1016.5/10

0.175 $\pm$ 0.002 χ^2 /NDF: 5464.1/28

0.007 $\pm$ 0.002 χ^2 /NDF: 20094.4/58

-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: -1.620+/-0.209 χ^2/NDF : 279.7/11

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

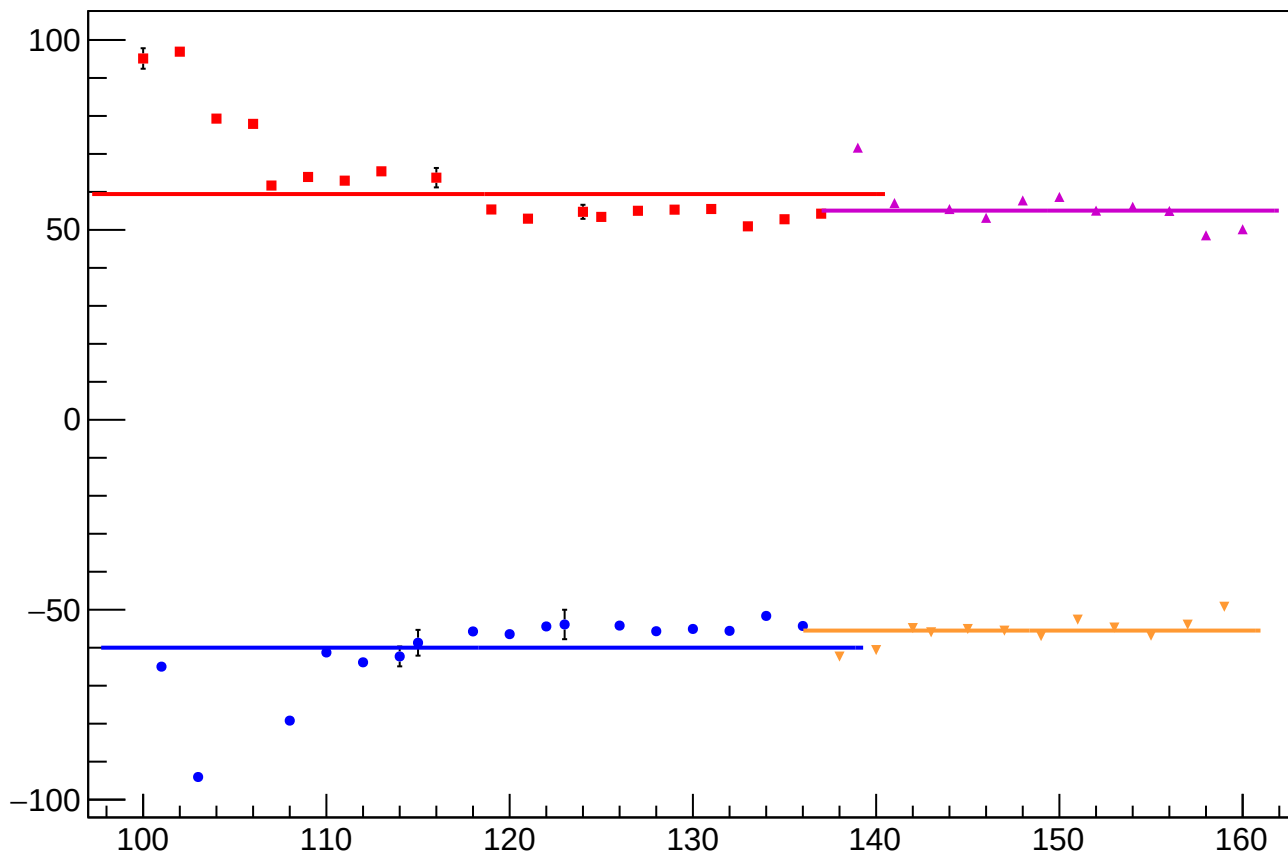
Left In: 1.912+/-0.209 χ^2/NDF : 356.0/10

-1.620+/-0.209 χ^2/NDF : 279.7/11

0.144+/-0.148 χ^2/NDF : 778.6/22

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: -55.489 ± 0.149 χ^2/NDF : 488.5/11

Right Out: 59.435 ± 0.212 χ^2/NDF : 2917.9/18

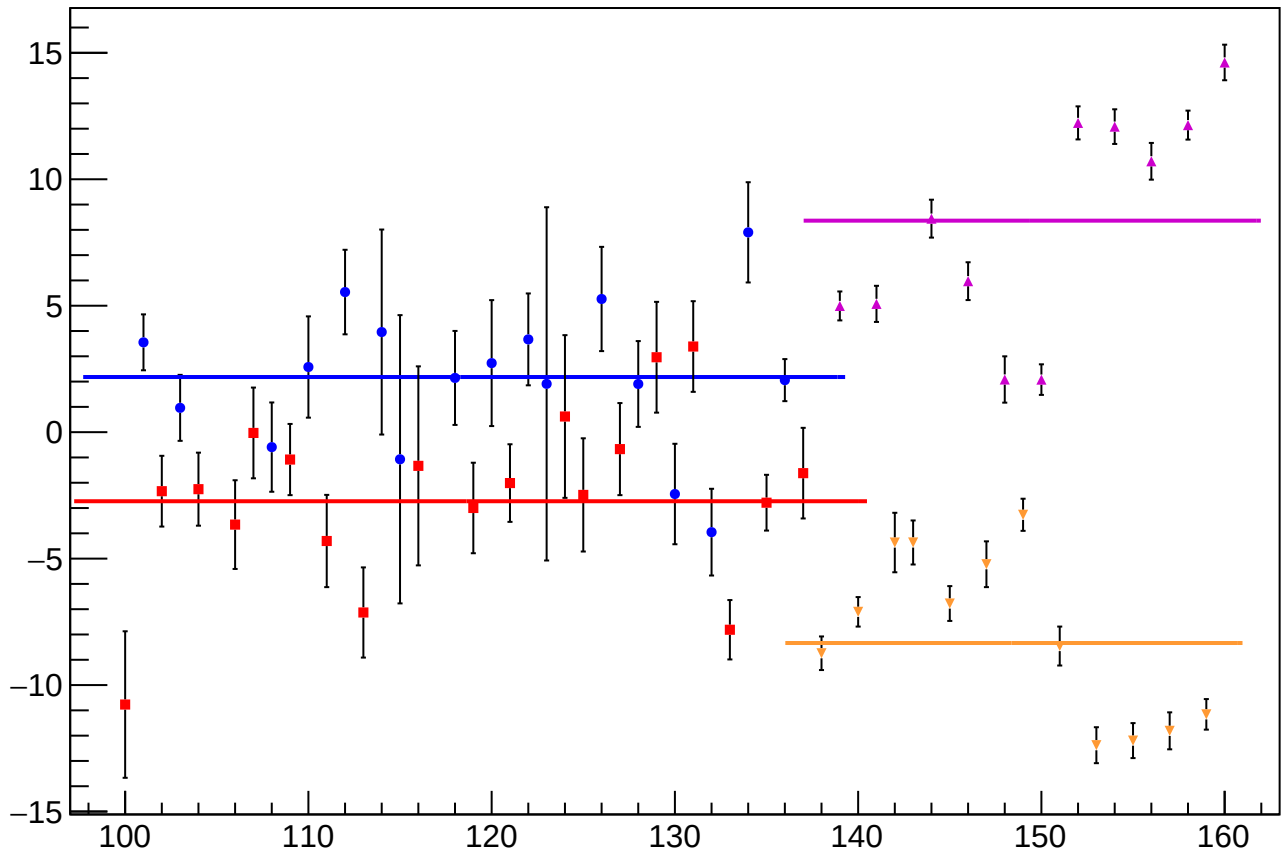
Left In: 55.075 ± 0.152 χ^2/NDF : 758.0/10

-56.868 ± 0.124 χ^2/NDF : 2739.4/28

0.217 ± 0.088 χ^2/NDF : 424521.5/58

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: -8.337 ± 0.207 $\chi^2/\text{NDF}: 225.6/11$

Right Out: -2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

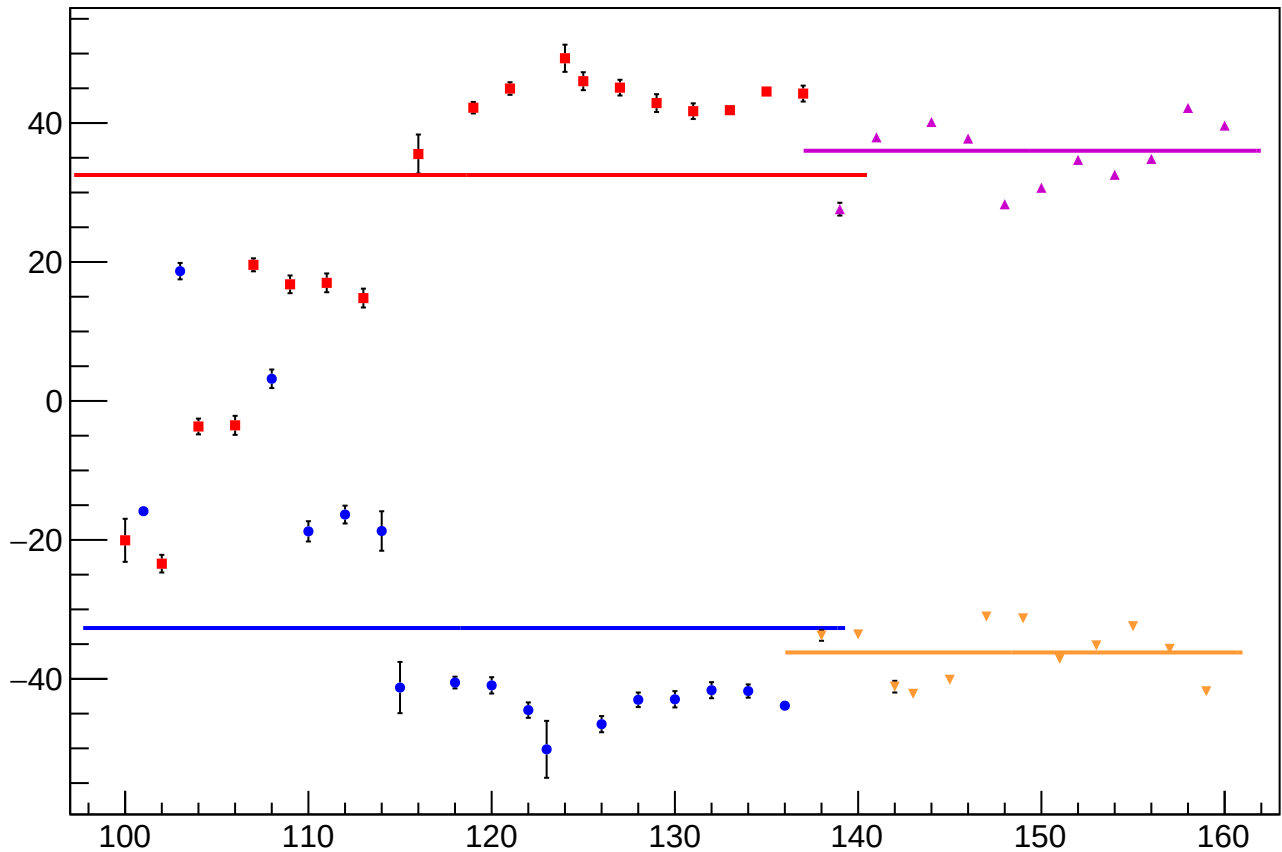
Left In: 8.364 ± 0.204 $\chi^2/\text{NDF}: 418.6/10$

-6.170 ± 0.184 $\chi^2/\text{NDF}: 798.4/28$

0.002 ± 0.129 $\chi^2/\text{NDF}: 4123.1/58$

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: -36.200 ± 0.176 $\chi^2/\text{NDF}: 520.4/11$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

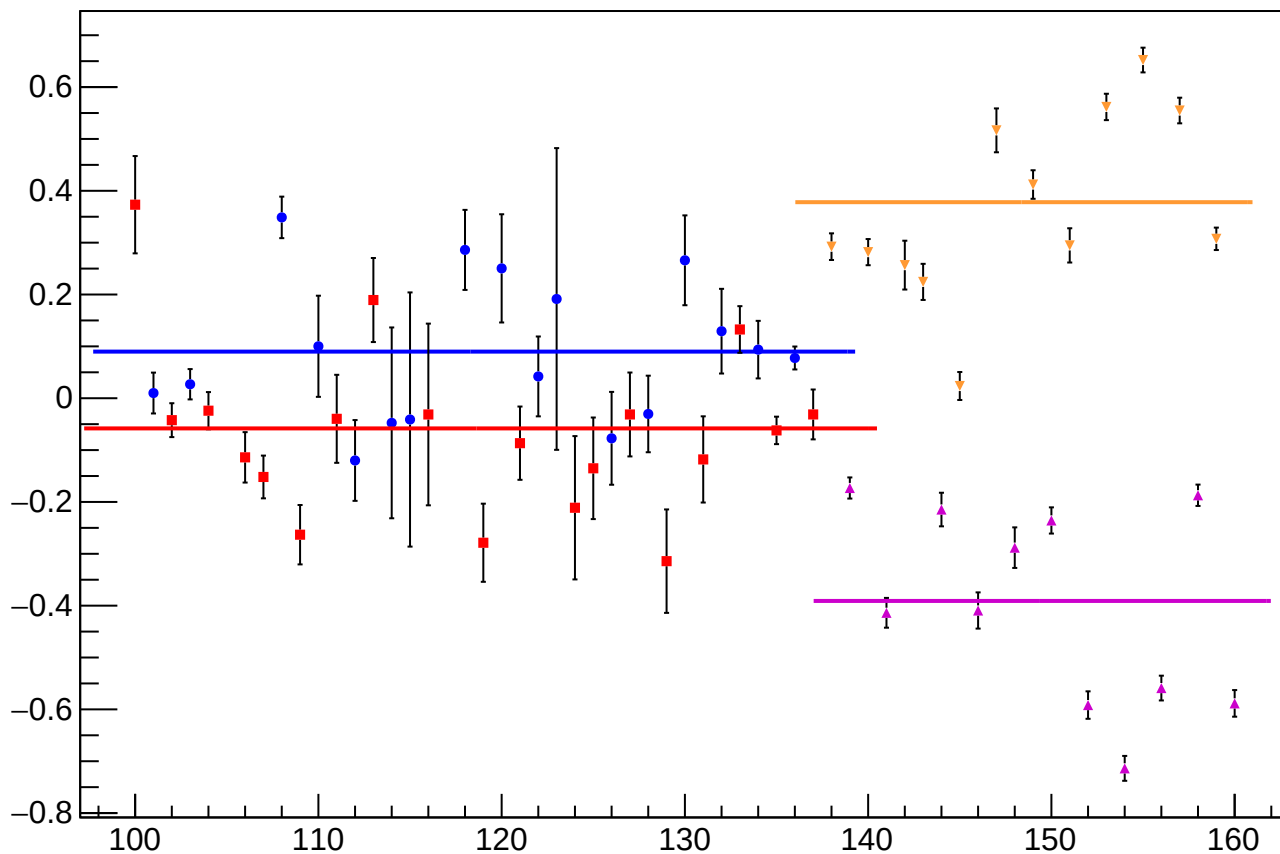
Left In: 36.011 ± 0.176 $\chi^2/\text{NDF}: 666.0/10$

-35.070 ± 0.145 $\chi^2/\text{NDF}: 5295.7/28$

0.392 ± 0.102 $\chi^2/\text{NDF}: 130064.6/58$

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 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.378 ± 0.008 $\chi^2/\text{NDF}: 489.4/11$

Right Out: -0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

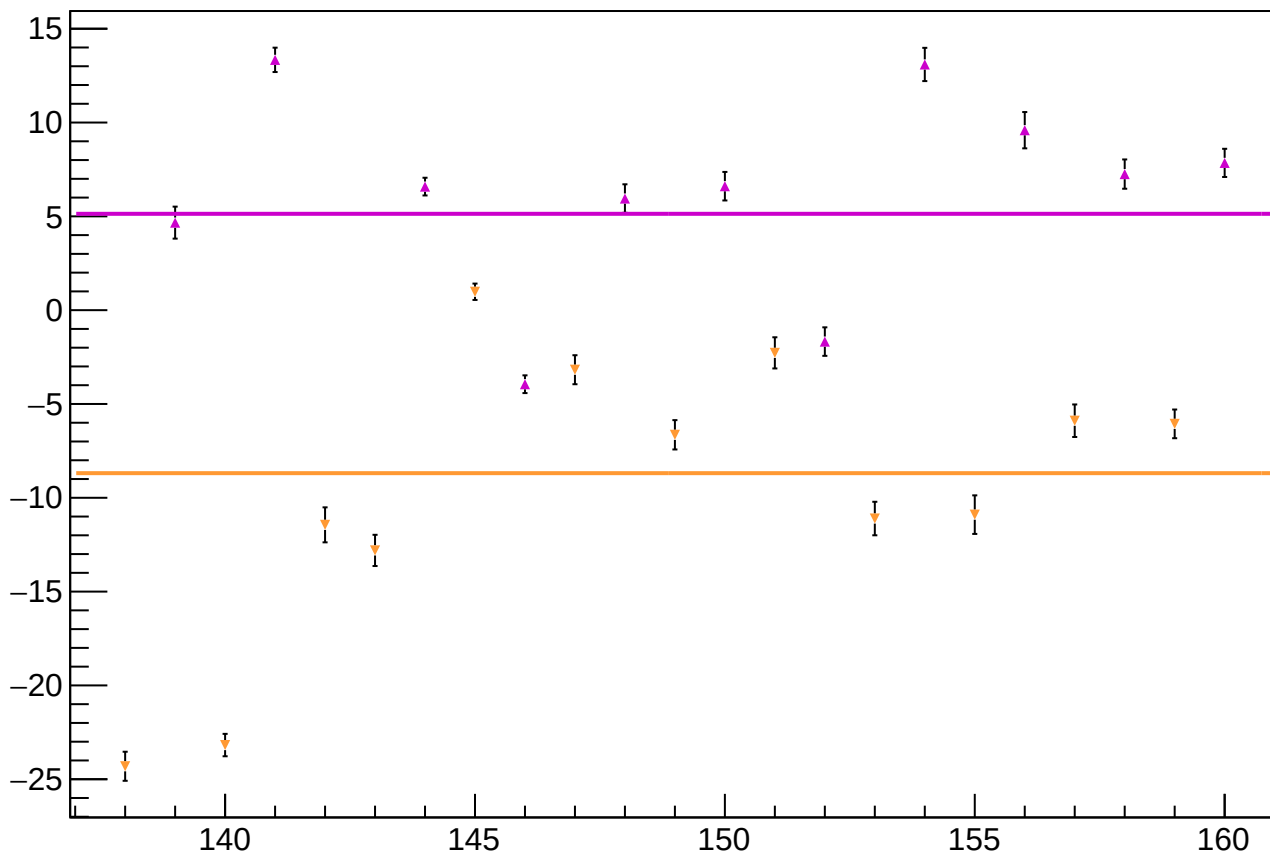
Left In: -0.391 ± 0.008 $\chi^2/\text{NDF}: 634.8/10$

0.297 ± 0.007 $\chi^2/\text{NDF}: 934.9/28$

-0.008 ± 0.005 $\chi^2/\text{NDF}: 6099.0/58$

-0.294 ± 0.007 $\chi^2/\text{NDF}: 1251.3/29$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -8.687 ± 0.212 $\chi^2/\text{NDF}: 1672.8/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

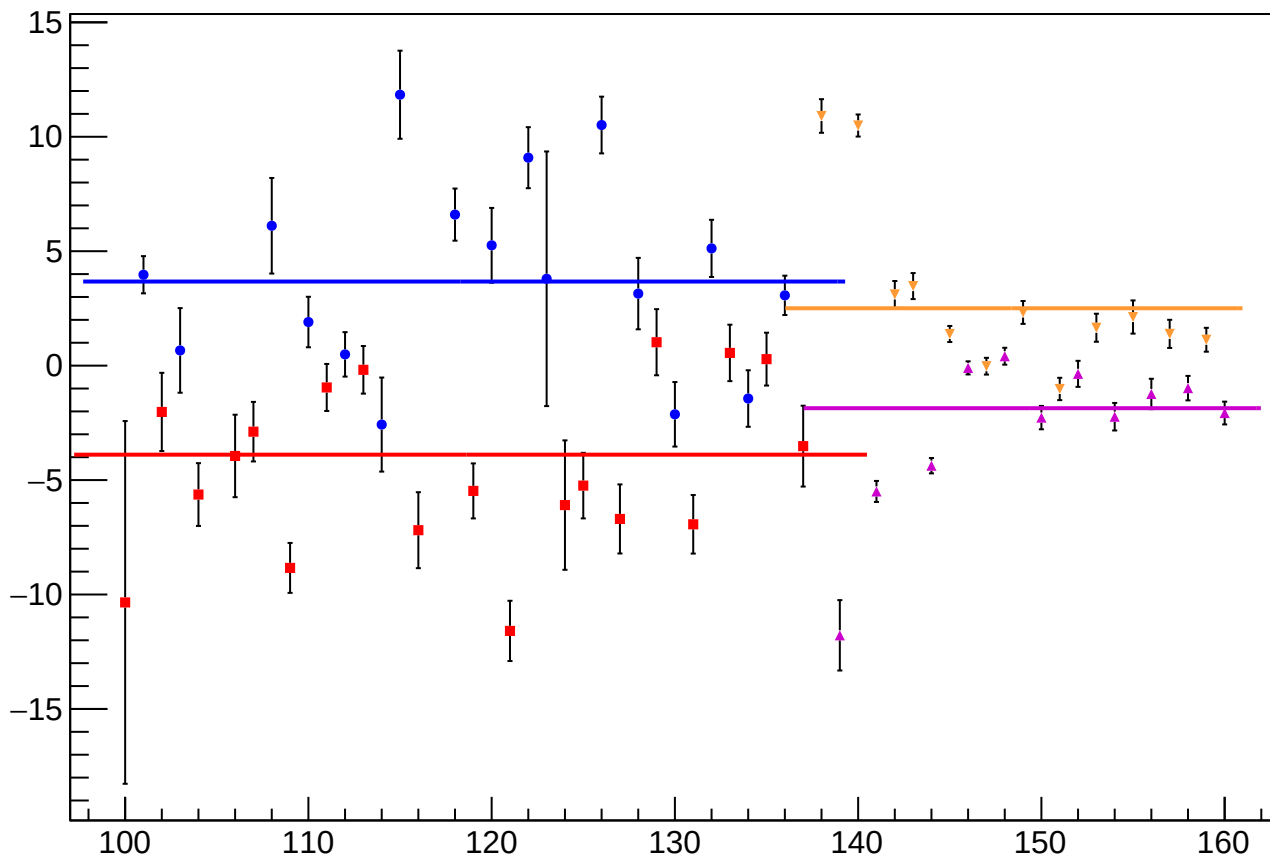
Left In: 5.135 ± 0.206 $\chi^2/\text{NDF}: 746.4/10$

-8.687 ± 0.212 $\chi^2/\text{NDF}: 1672.8/11$

-1.575 ± 0.147 $\chi^2/\text{NDF}: 4614.7/22$

5.135 ± 0.206 $\chi^2/\text{NDF}: 746.4/10$

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: 2.507 ± 0.146 χ^2/NDF : 531.7/11

Right Out: -3.890 ± 0.316 χ^2/NDF : 133.7/18

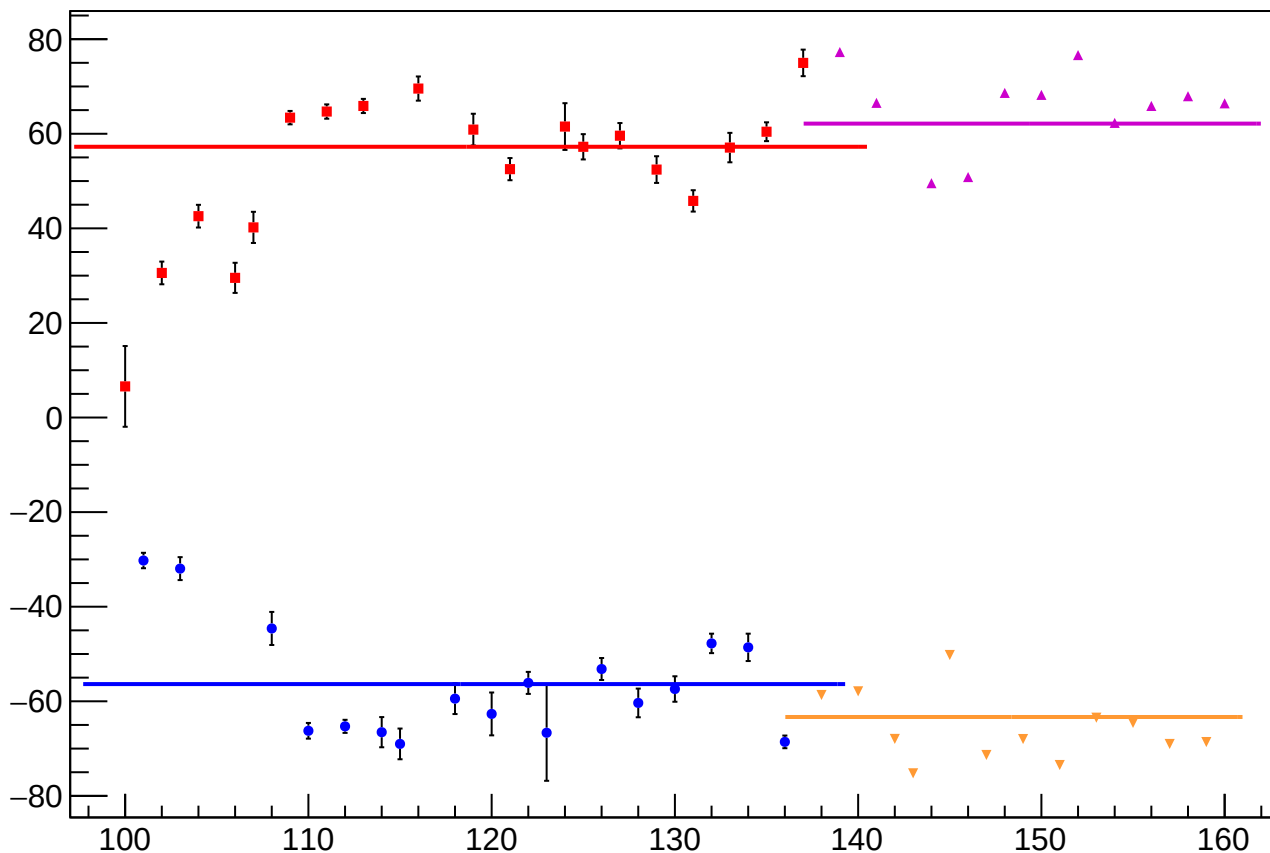
Left In: -1.859 ± 0.137 χ^2/NDF : 247.5/10

2.719 ± 0.132 χ^2/NDF : 678.4/28

0.151 ± 0.091 χ^2/NDF : 1814.6/58

-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: -63.321 ± 0.212 χ^2/NDF : 1540.4/11

Right Out: 57.252 ± 0.536 χ^2/NDF : 476.0/18

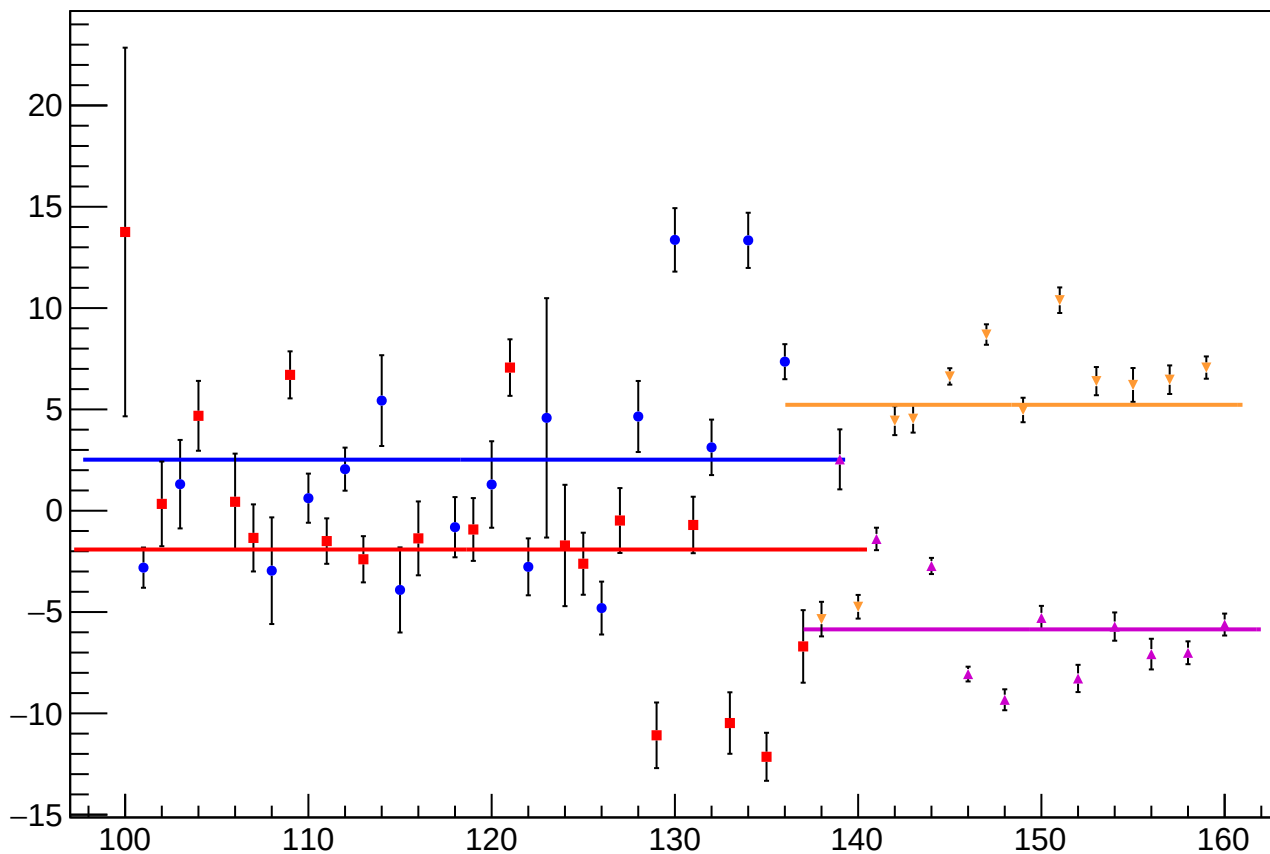
Left In: 62.146 ± 0.202 χ^2/NDF : 2223.0/10

-62.402 ± 0.197 χ^2/NDF : 2270.0/28

2.308 ± 0.136 χ^2/NDF : 210997.1/58

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: 5.227 ± 0.175 χ^2/NDF : 591.6/11

Right Out: -1.914 ± 0.355 χ^2/NDF : 264.5/18

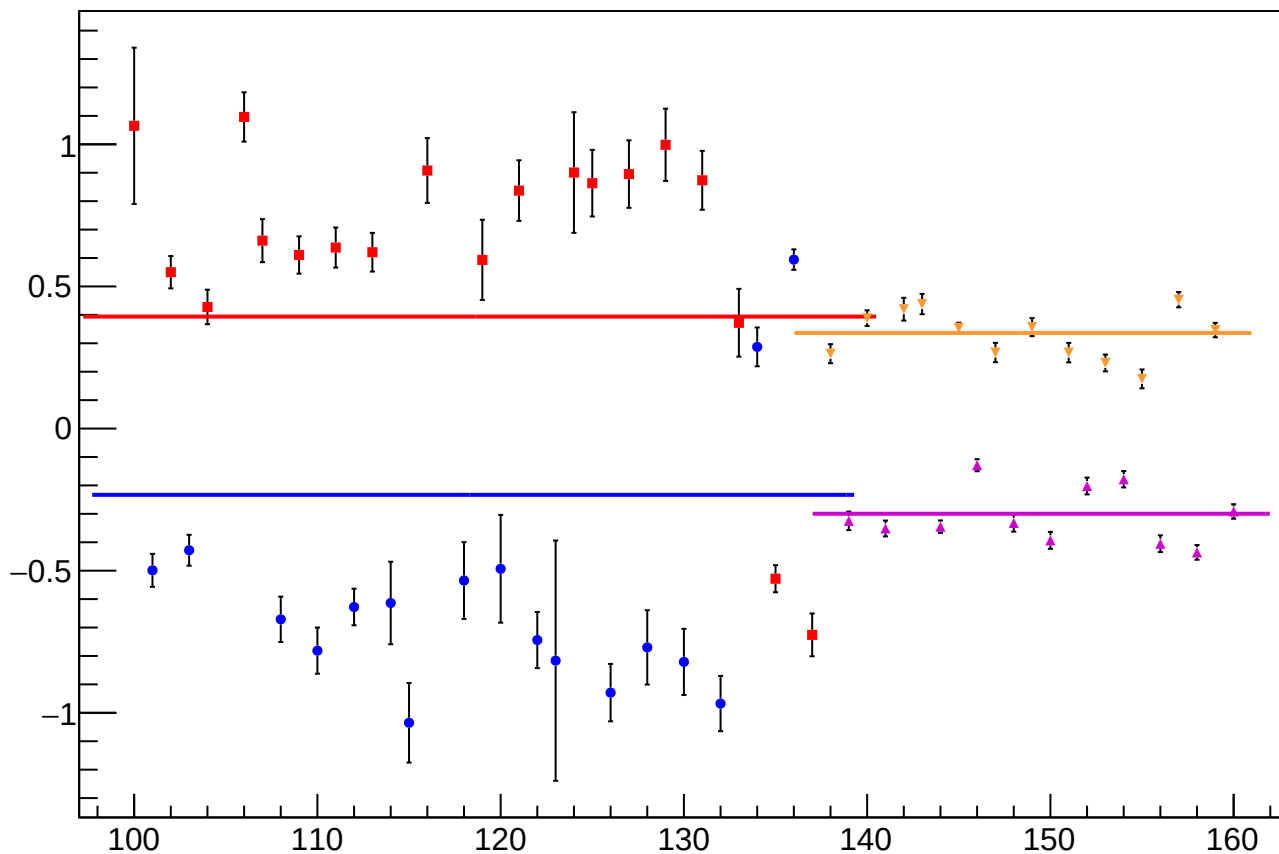
Left In: -5.856 ± 0.165 χ^2/NDF : 261.2/10

4.676 ± 0.157 χ^2/NDF : 882.4/28

-0.460 ± 0.108 χ^2/NDF : 3568.4/58

-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 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.336 ± 0.008 χ^2/NDF : 85.7/11

Right Out: 0.394 ± 0.019 χ^2/NDF : 845.2/18

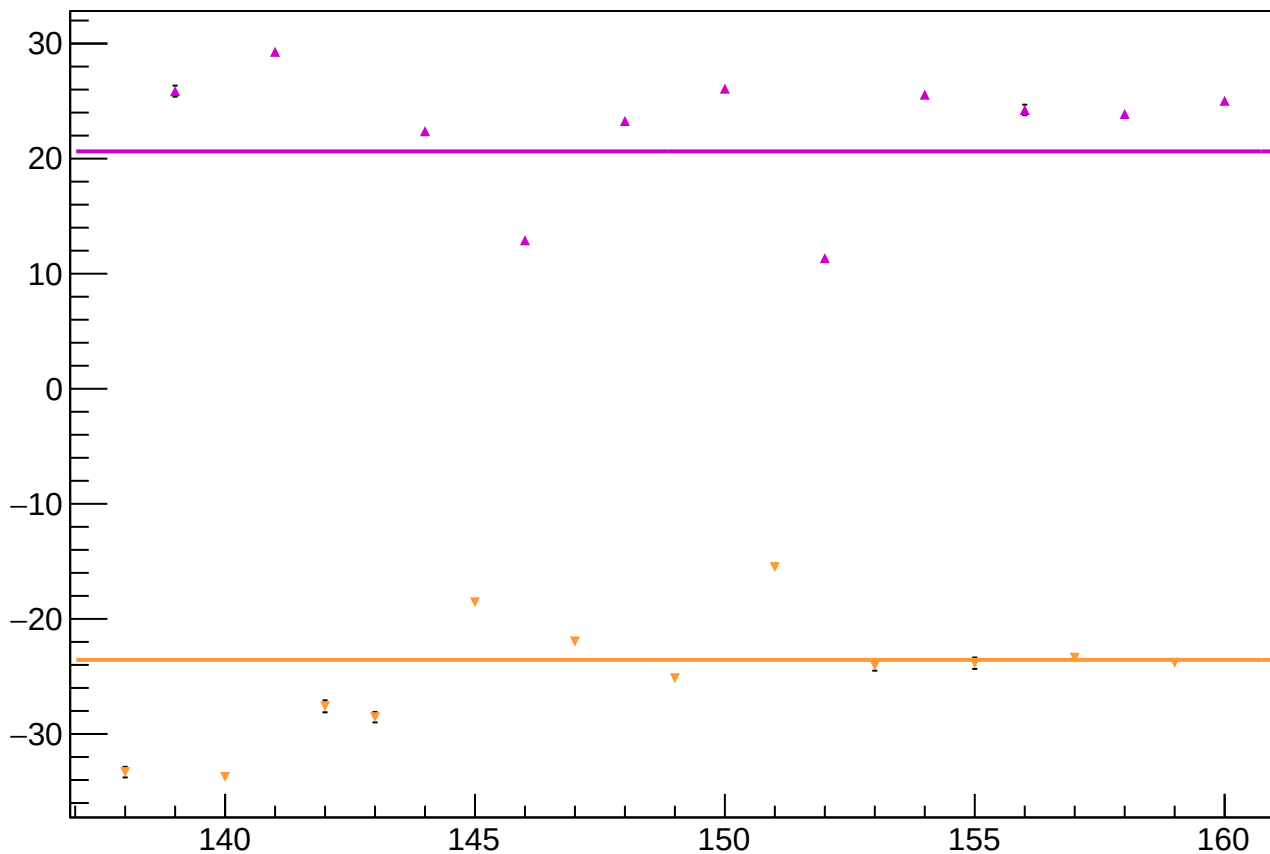
Left In: -0.300 ± 0.008 χ^2/NDF : 153.3/10

0.243 ± 0.008 χ^2/NDF : 1801.7/28

0.019 ± 0.005 χ^2/NDF : 5600.3/58

-0.193 ± 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: -23.560+/-0.104 χ^2/NDF : 2683.5/11

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

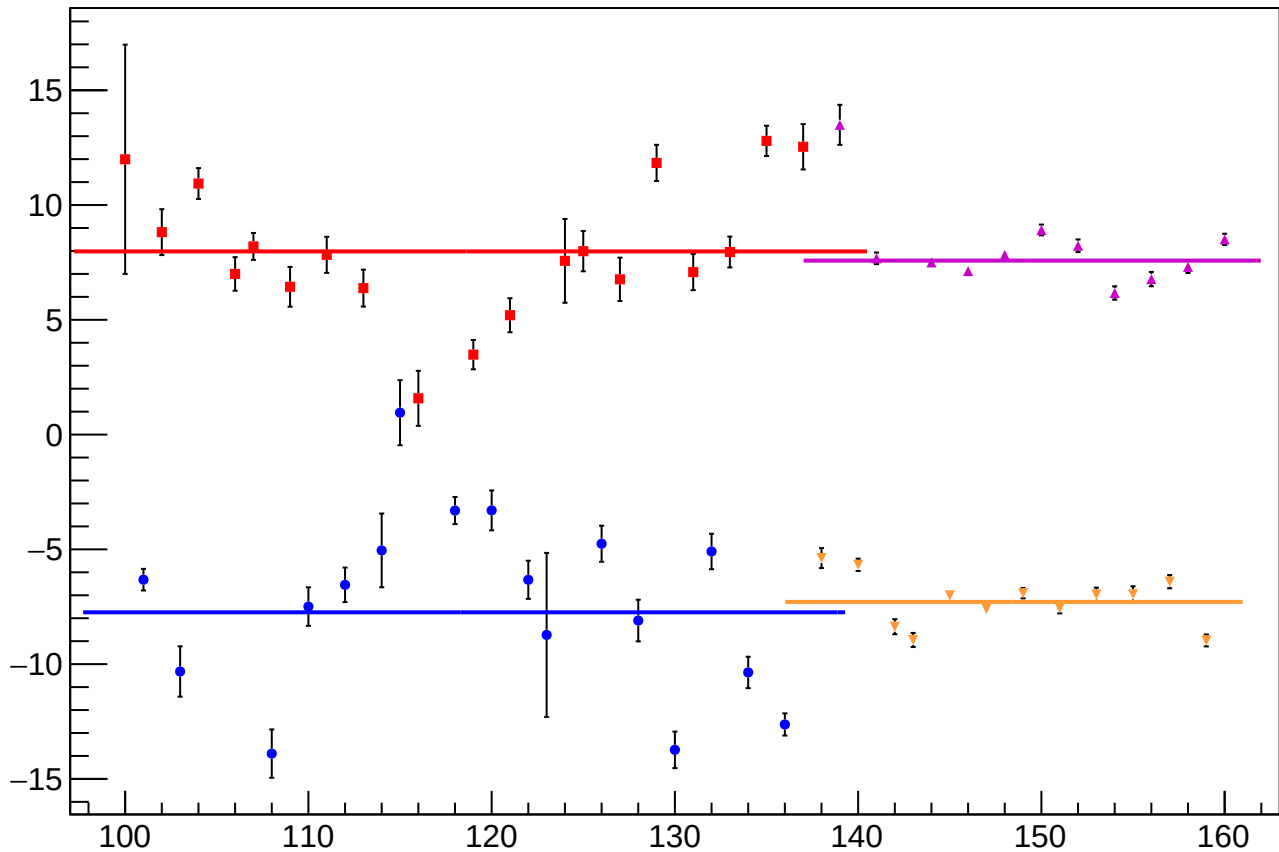
Left In: 20.628+/-0.096 χ^2/NDF : 3794.9/10

-23.560+/-0.104 χ^2/NDF : 2683.5/11

0.166+/-0.071 χ^2/NDF : 103969.6/22

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: -7.289 ± 0.071 χ^2/NDF : 159.2/11

Right Out: 7.981 ± 0.186 χ^2/NDF : 223.5/18

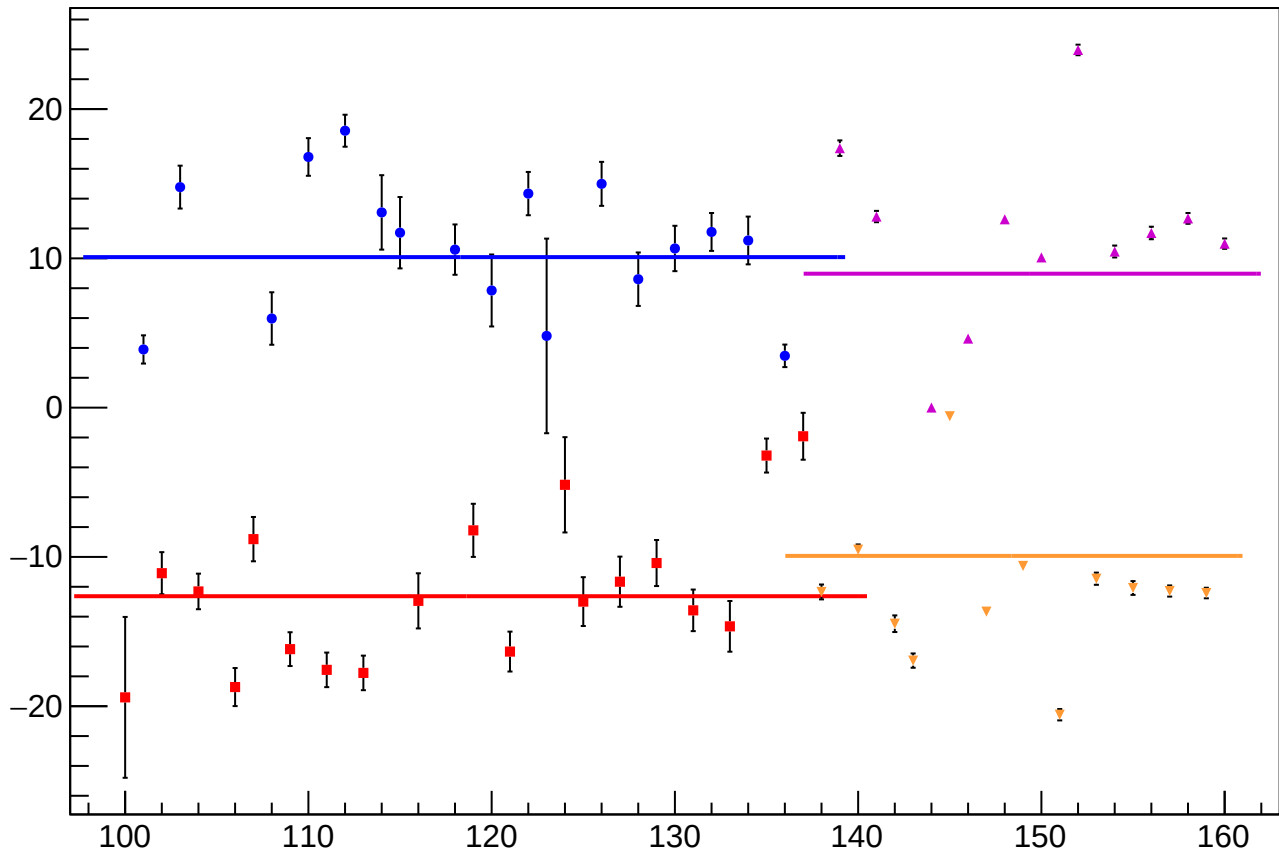
Left In: 7.580 ± 0.064 χ^2/NDF : 146.3/10

-7.346 ± 0.067 χ^2/NDF : 541.8/28

0.872 ± 0.045 χ^2/NDF : 28662.1/58

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: -9.931 ± 0.103 χ^2/NDF : 3401.9/11

Right Out: -12.632 ± 0.333 χ^2/NDF : 218.6/18

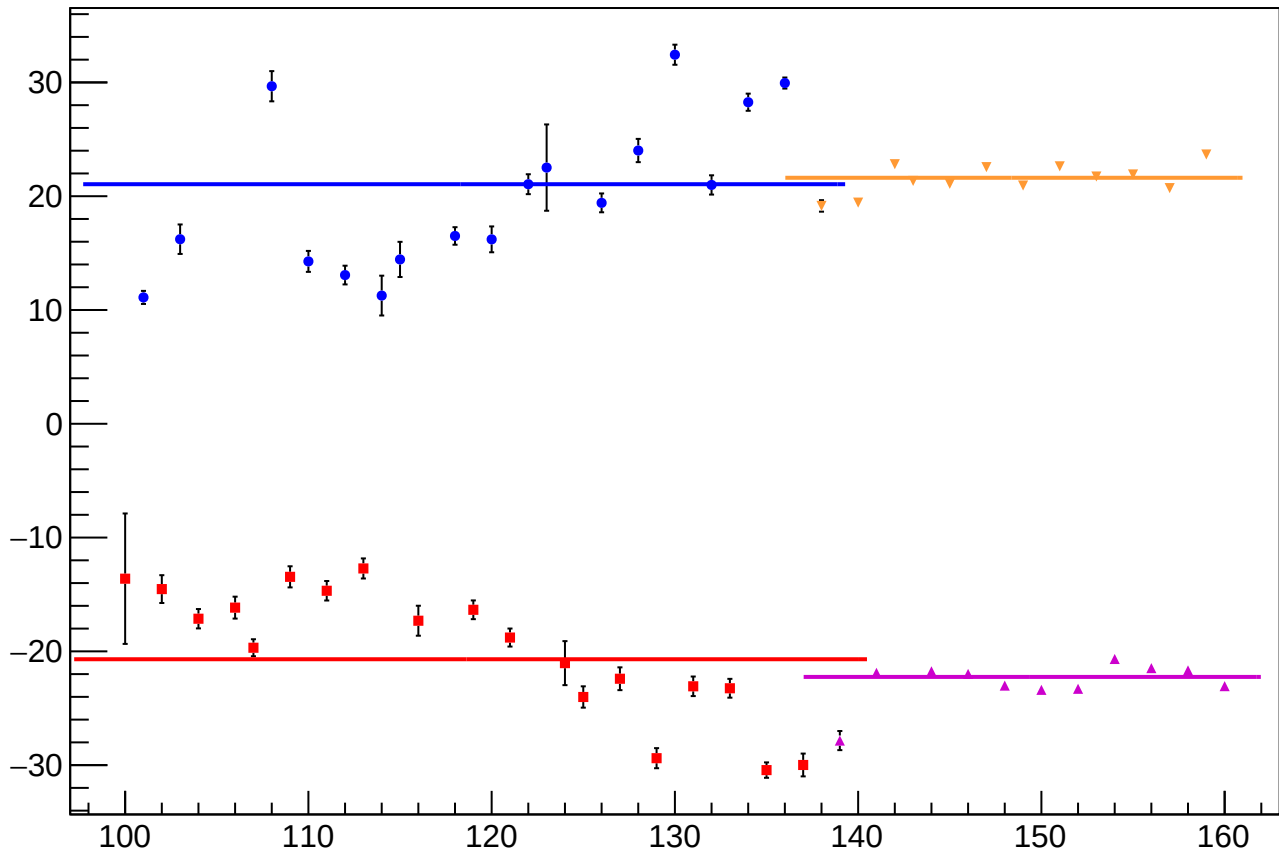
Left In: 8.973 ± 0.094 χ^2/NDF : 4457.9/10

-8.223 ± 0.099 χ^2/NDF : 6862.9/28

0.243 ± 0.067 χ^2/NDF : 28990.1/58

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 χ^2/NDF : 1211.8/16

Left Out: 21.620 ± 0.086 χ^2/NDF : 184.0/11

Right Out: -20.694 ± 0.213 χ^2/NDF : 724.1/18

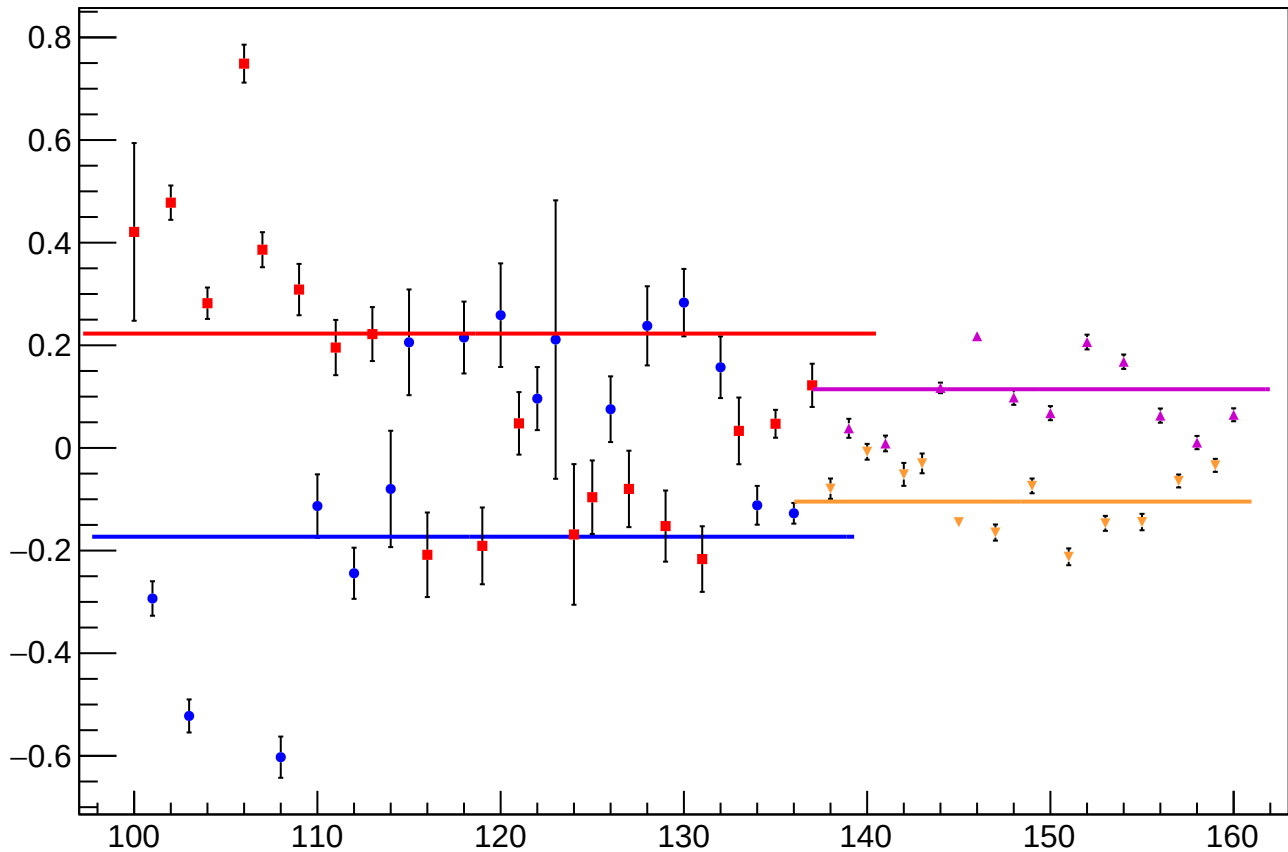
Left In: -22.247 ± 0.077 χ^2/NDF : 132.5/10

21.540 ± 0.079 χ^2/NDF : 1401.9/28

-2.269 ± 0.053 χ^2/NDF : 167147.9/58

-22.067 ± 0.072 χ^2/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: -0.105 ± 0.004 χ^2/NDF : 204.5/11

Right Out: 0.223 ± 0.011 χ^2/NDF : 535.1/18

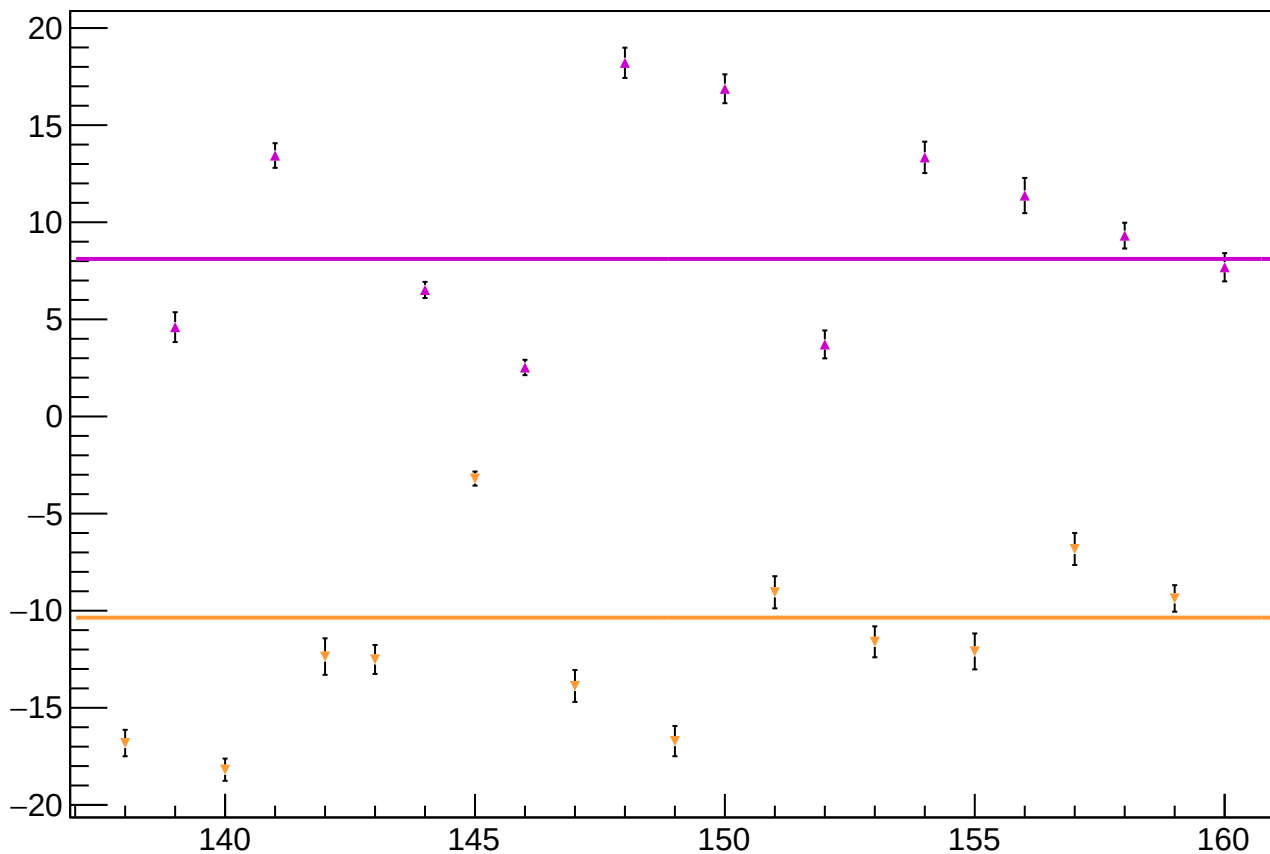
Left In: 0.114 ± 0.004 χ^2/NDF : 375.4/10

-0.113 ± 0.004 χ^2/NDF : 699.3/28

0.014 ± 0.003 χ^2/NDF : 3750.9/58

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: -10.358+/-0.194 χ^2/NDF : 793.8/11

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

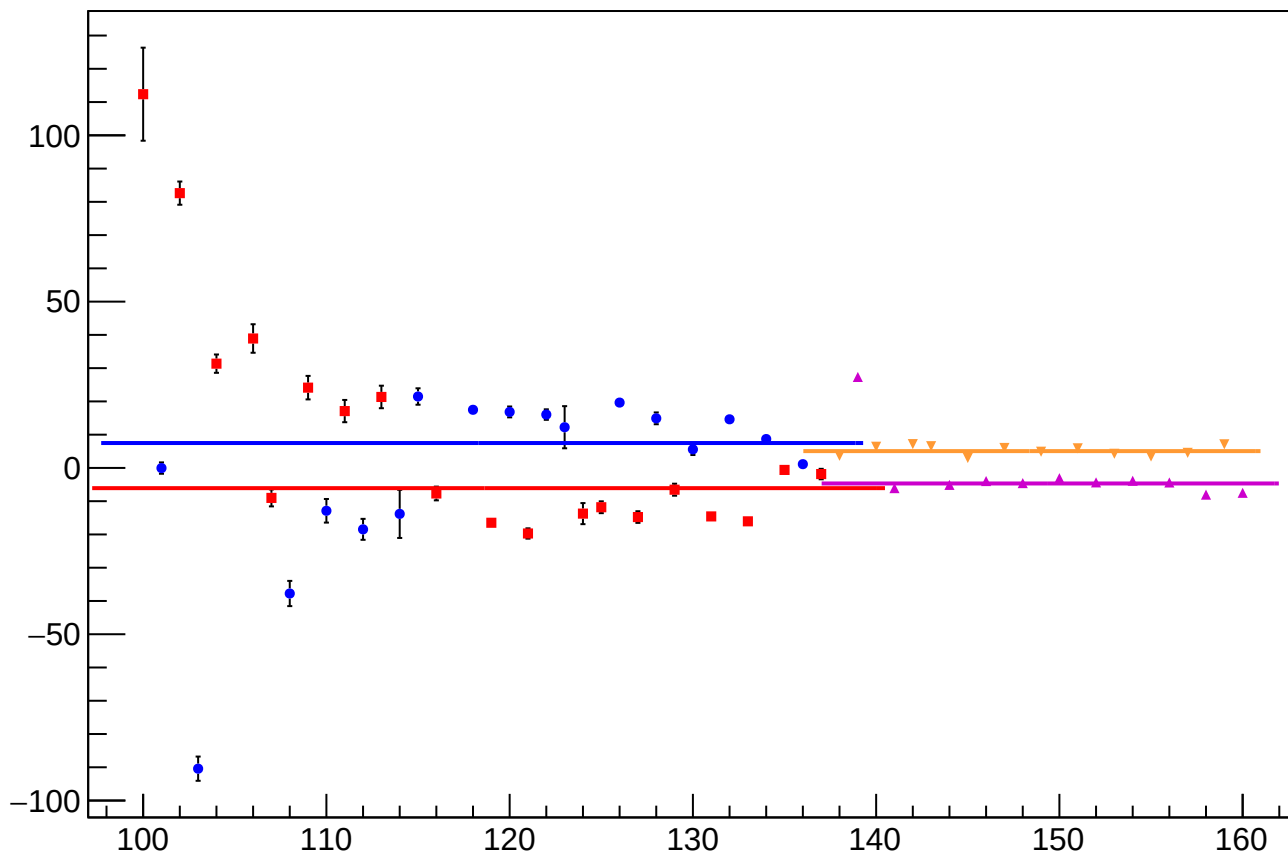
Left In: 8.111+/-0.187 χ^2/NDF : 709.4/10

-10.358+/-0.194 χ^2/NDF : 793.8/11

-0.794+/-0.134 χ^2/NDF : 6219.4/22

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 $\pm$ 0.407 χ^2/NDF : 1340.5/16

Left Out: 5.057 $\pm$ 0.136 χ^2/NDF : 122.7/11

Right Out: -6.078 $\pm$ 0.434 χ^2/NDF : 1512.1/18

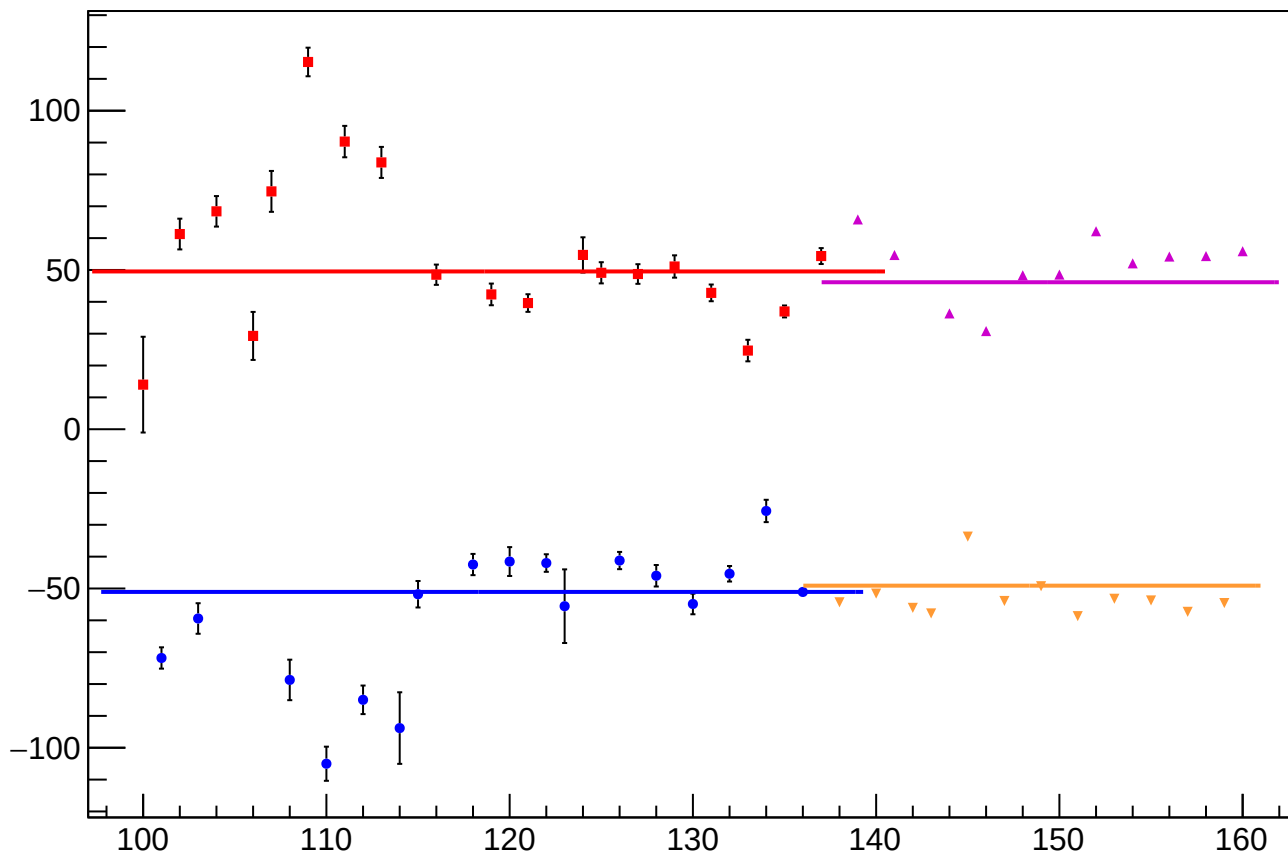
Left In: -4.672 $\pm$ 0.127 χ^2/NDF : 659.3/10

5.302 $\pm$ 0.129 χ^2/NDF : 1495.3/28

-0.036 $\pm$ 0.089 χ^2/NDF : 6902.4/58

-4.783 $\pm$ 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: -49.112 ± 0.195 χ^2/NDF : 2250.8/11

Right Out: 49.537 ± 0.798 χ^2/NDF : 509.6/18

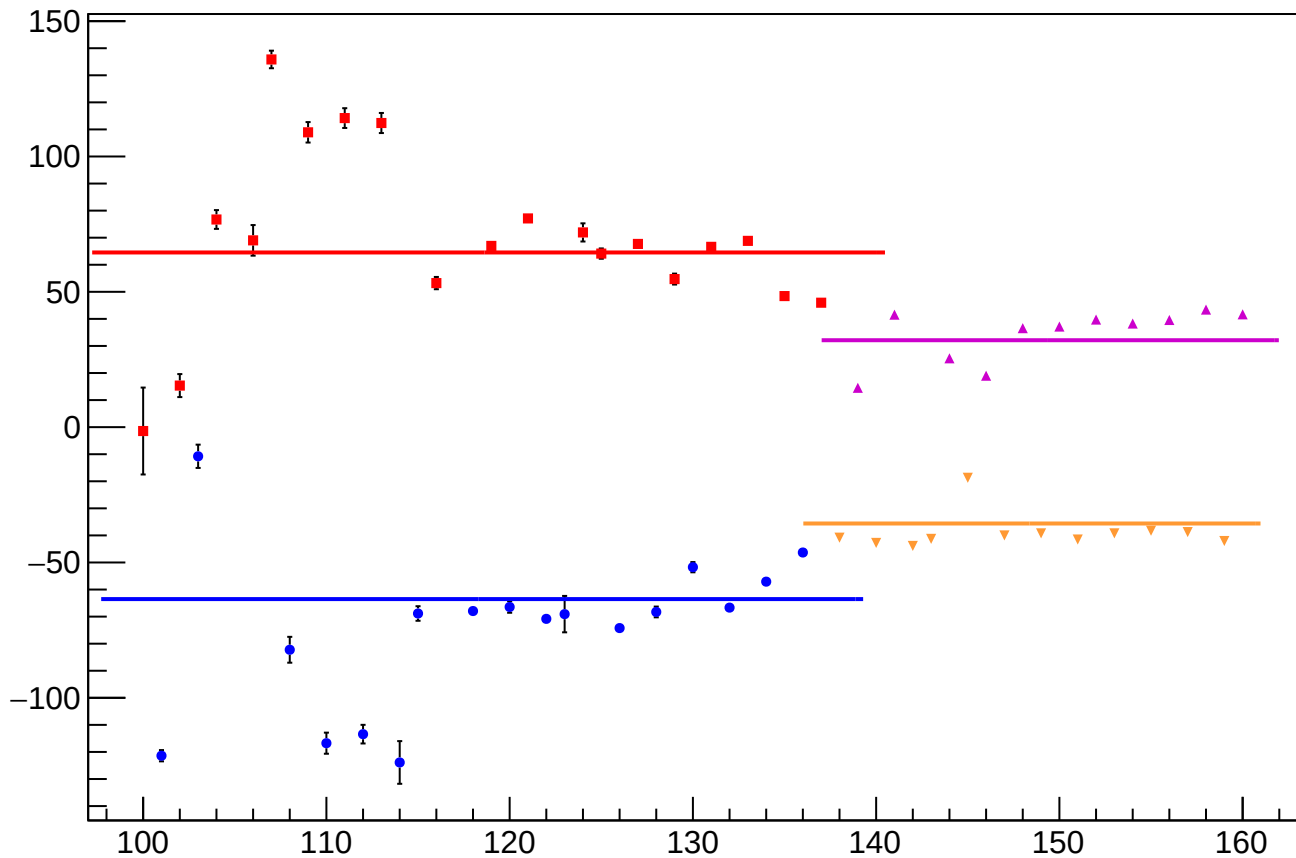
Left In: 46.149 ± 0.184 χ^2/NDF : 3937.4/10

-49.239 ± 0.188 χ^2/NDF : 2587.6/28

1.024 ± 0.130 χ^2/NDF : 142338.4/58

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: -35.598 ± 0.162 χ^2/NDF : 3425.9/11

Right Out: 64.540 ± 0.483 χ^2/NDF : 1603.1/18

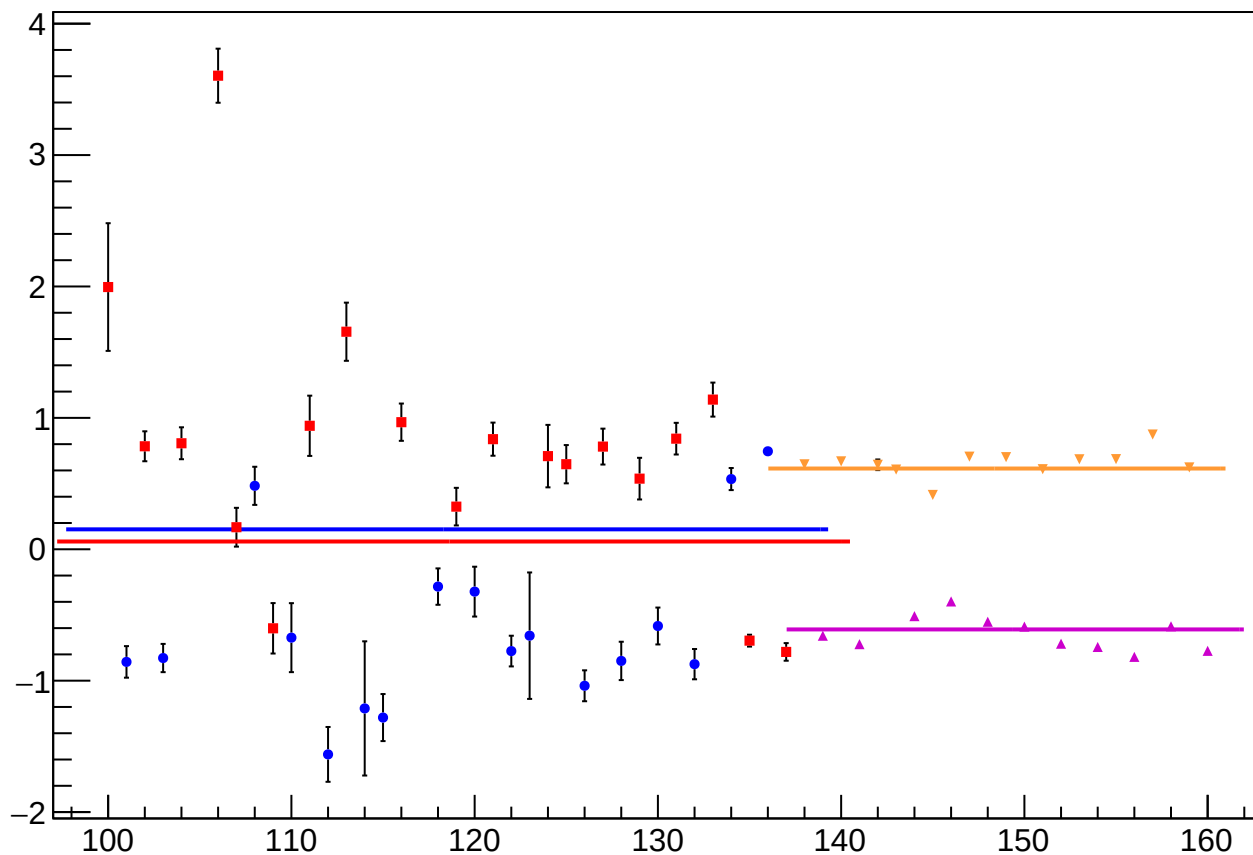
Left In: 32.116 ± 0.151 χ^2/NDF : 3959.8/10

-38.826 ± 0.153 χ^2/NDF : 8863.4/28

0.083 ± 0.105 χ^2/NDF : 142004.9/58

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+/-0.024 χ^2/NDF : 987.4/16

Left Out: 0.615+/-0.008 χ^2/NDF : 310.5/11

Right Out: 0.059+/-0.026 χ^2/NDF : 1161.9/18

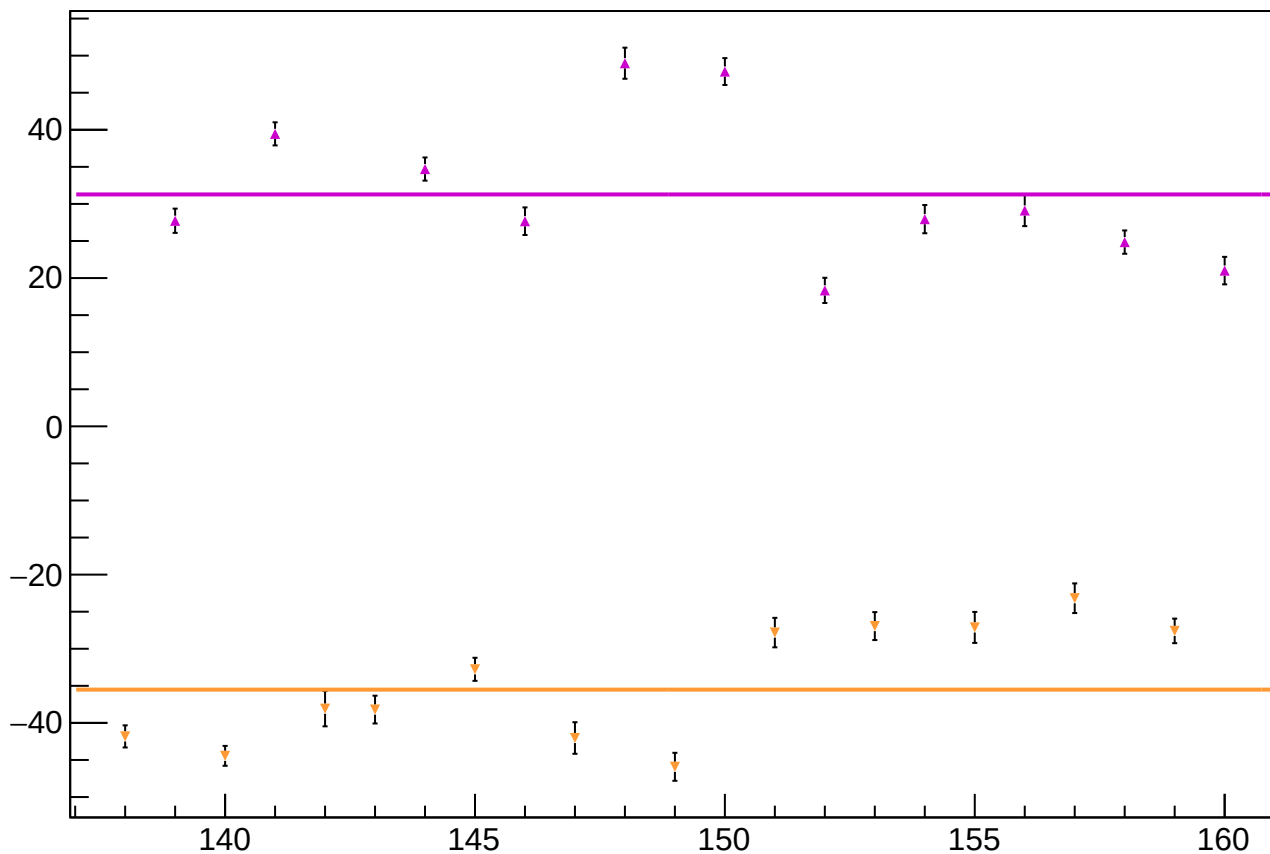
Left In: -0.610+/-0.007 χ^2/NDF : 335.8/10

0.572+/-0.007 χ^2/NDF : 1634.7/28

-0.007+/-0.005 χ^2/NDF : 16109.9/58

-0.561+/-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: -35.510+/-0.516 χ^2/NDF : 221.0/11

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

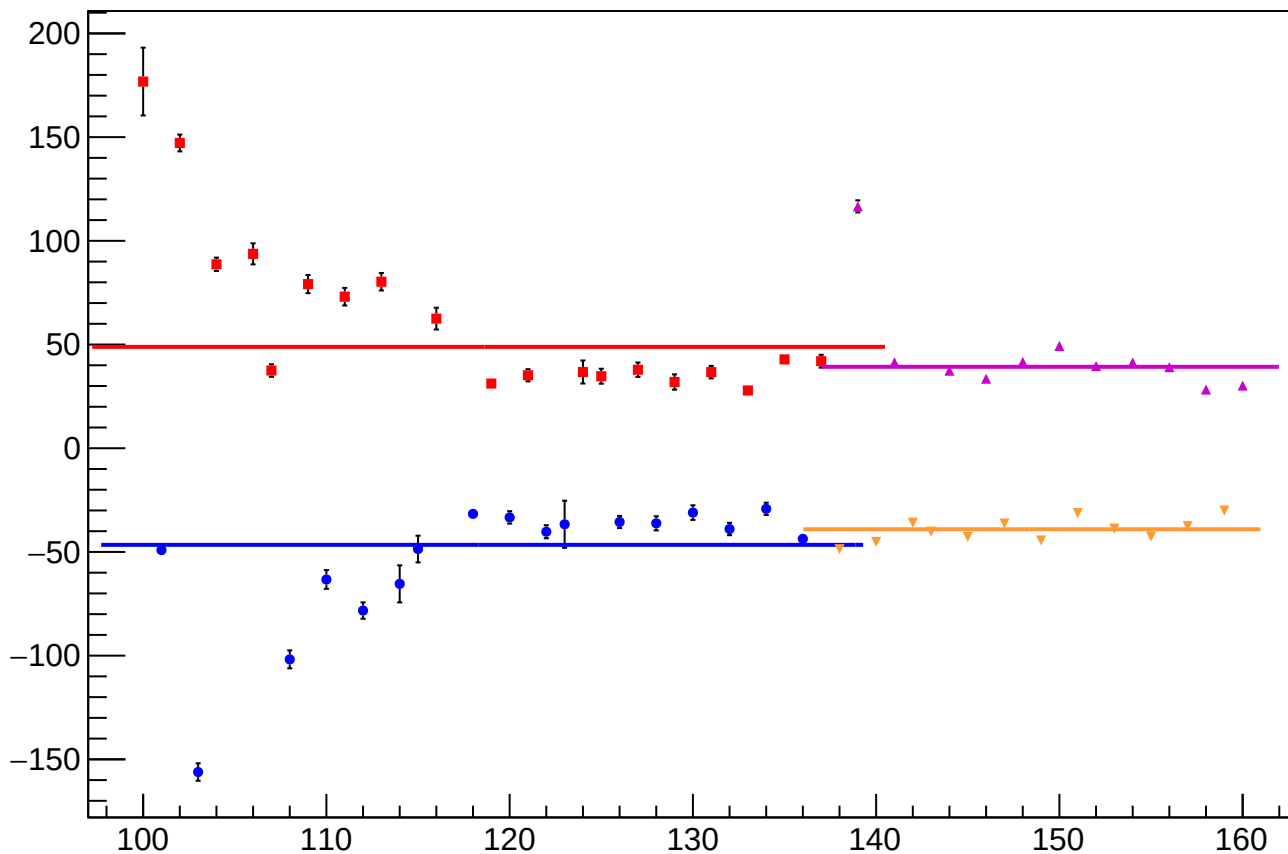
Left In: 31.279+/-0.530 χ^2/NDF : 305.2/10

-35.510+/-0.516 χ^2/NDF : 221.0/11

-3.039+/-0.370 χ^2/NDF : 8678.6/22

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: -39.073 ± 0.361 χ^2/NDF : 227.2/11

Right Out: 48.888 ± 0.763 χ^2/NDF : 1277.5/18

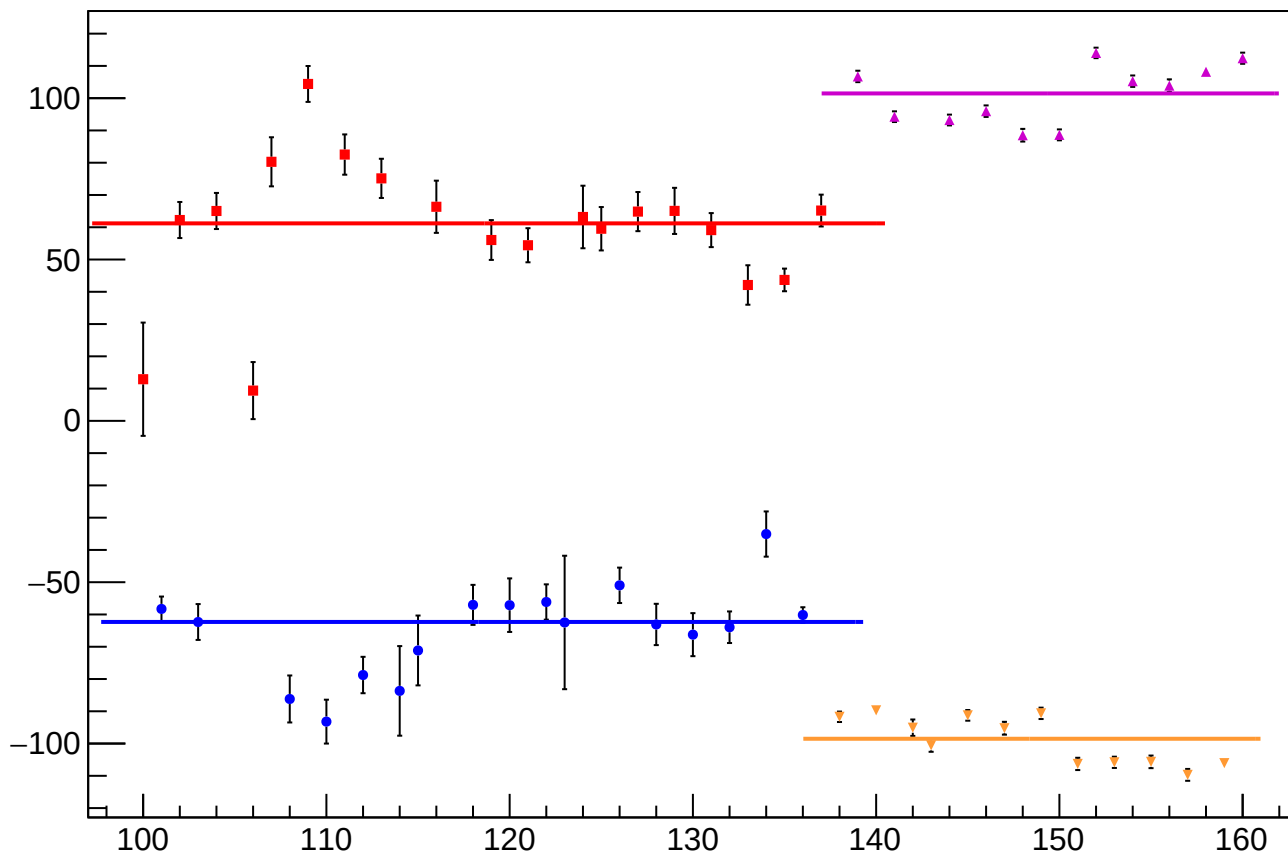
Left In: 39.262 ± 0.370 χ^2/NDF : 960.9/10

-40.550 ± 0.324 χ^2/NDF : 1388.6/28

-0.851 ± 0.232 χ^2/NDF : 34686.4/58

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 χ^2/NDF : 67.1/16

Left Out: -98.515 +/- 0.513 χ^2/NDF : 209.3/11

Right Out: 61.203 +/- 1.381 χ^2/NDF : 165.0/18

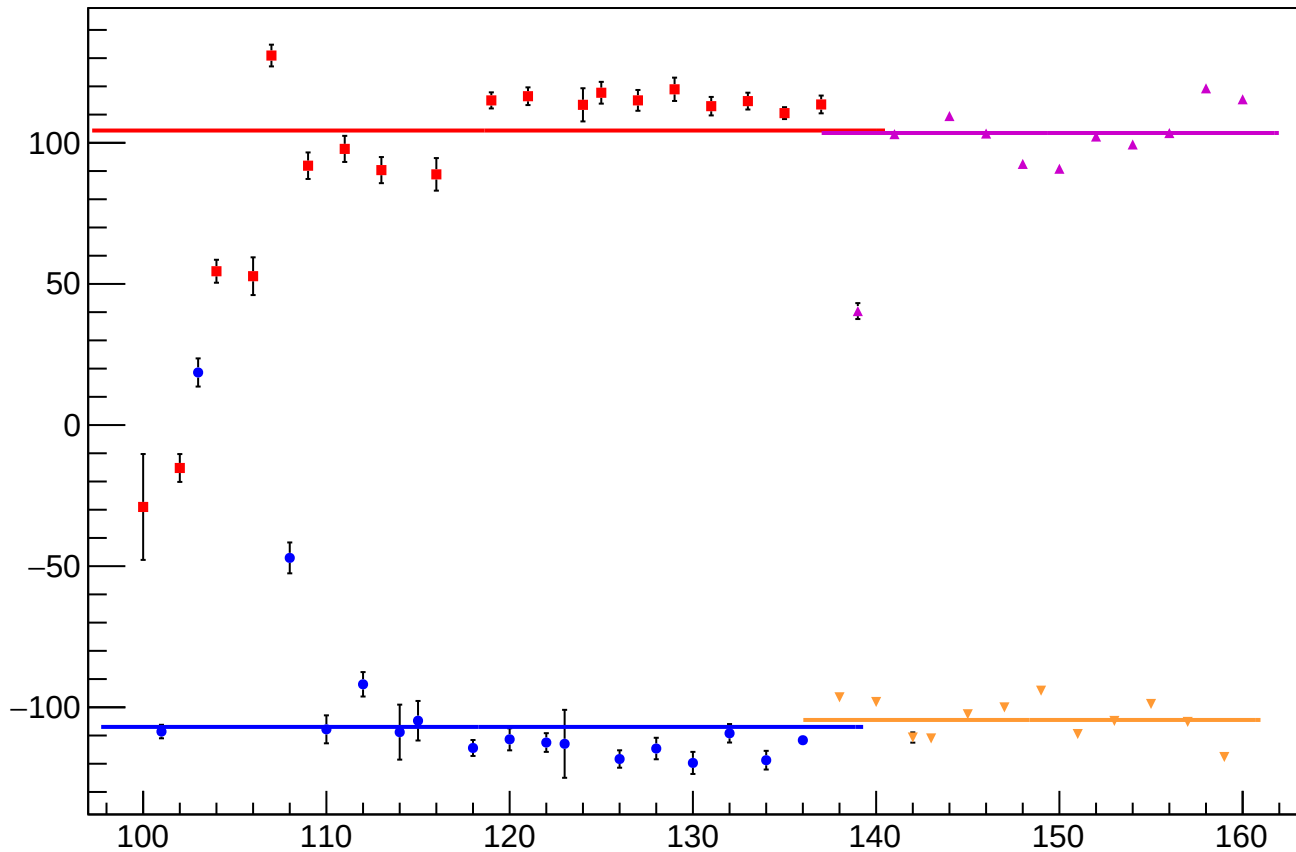
Left In: 101.470 +/- 0.518 χ^2/NDF : 289.4/10

-93.739 +/- 0.478 χ^2/NDF : 933.7/28

0.010 +/- 0.340 χ^2/NDF : 80242.1/58

96.508 +/- 0.485 χ^2/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: -104.488 ± 0.430 χ^2/NDF : 280.3/11

Right Out: 104.356 ± 0.861 χ^2/NDF : 1021.0/18

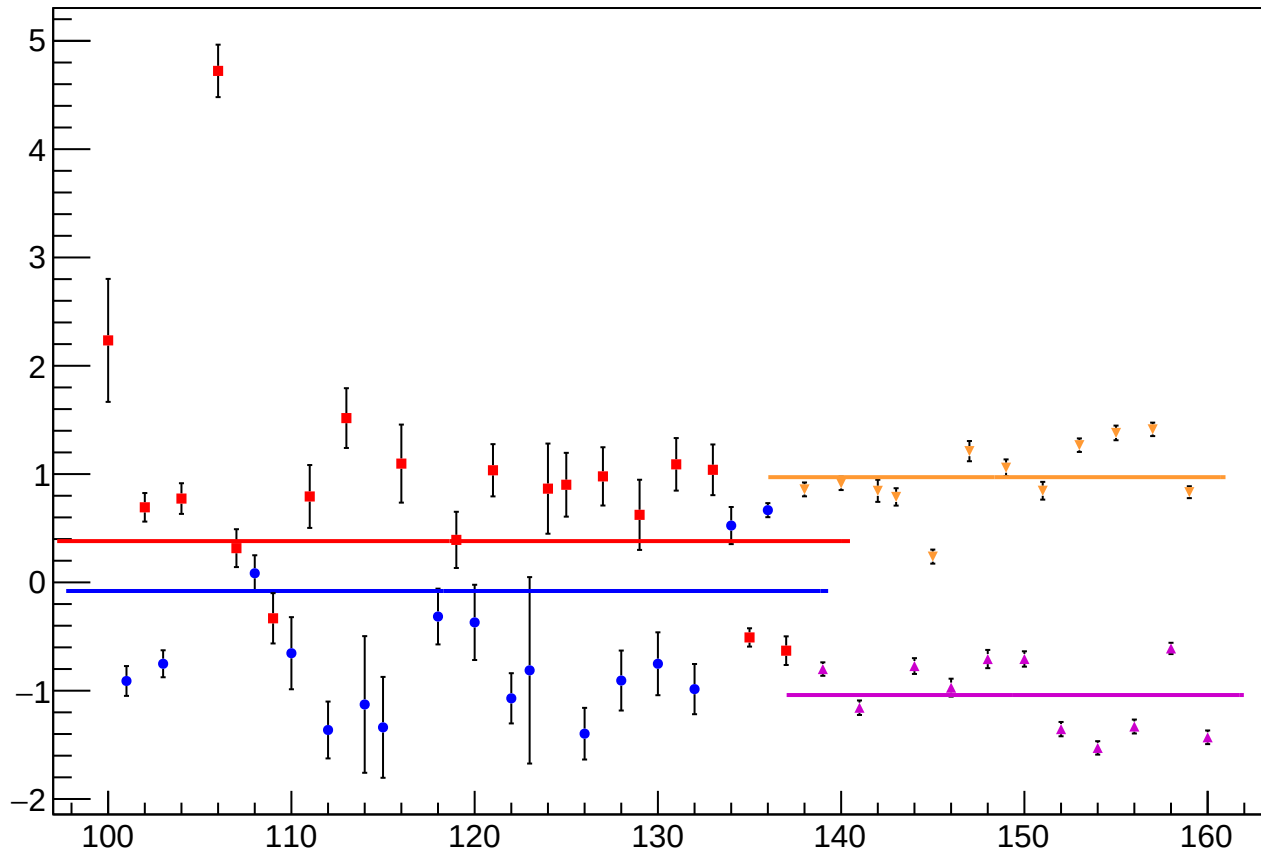
Left In: 103.483 ± 0.434 χ^2/NDF : 940.1/10

-105.022 ± 0.380 χ^2/NDF : 1114.7/28

-2.626 ± 0.271 χ^2/NDF : 150756.3/58

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: 0.972 ± 0.020 χ^2/NDF : 264.7/11

Right Out: 0.381 ± 0.044 χ^2/NDF : 580.5/18

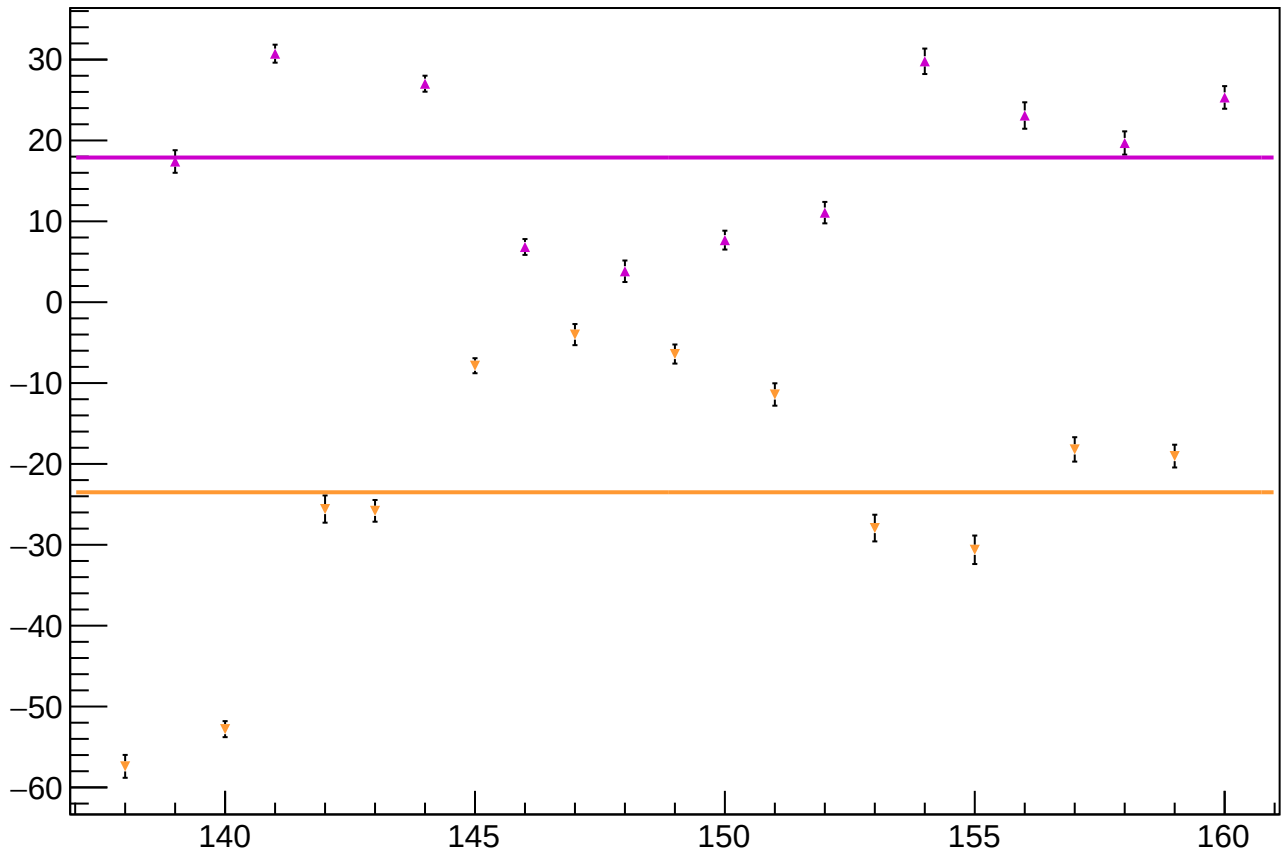
Left In: -1.040 ± 0.020 χ^2/NDF : 281.0/10

0.779 ± 0.018 χ^2/NDF : 1098.1/28

-0.005 ± 0.013 χ^2/NDF : 6595.1/58

-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: -23.505+/-0.377 χ^2/NDF : 2292.1/11

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

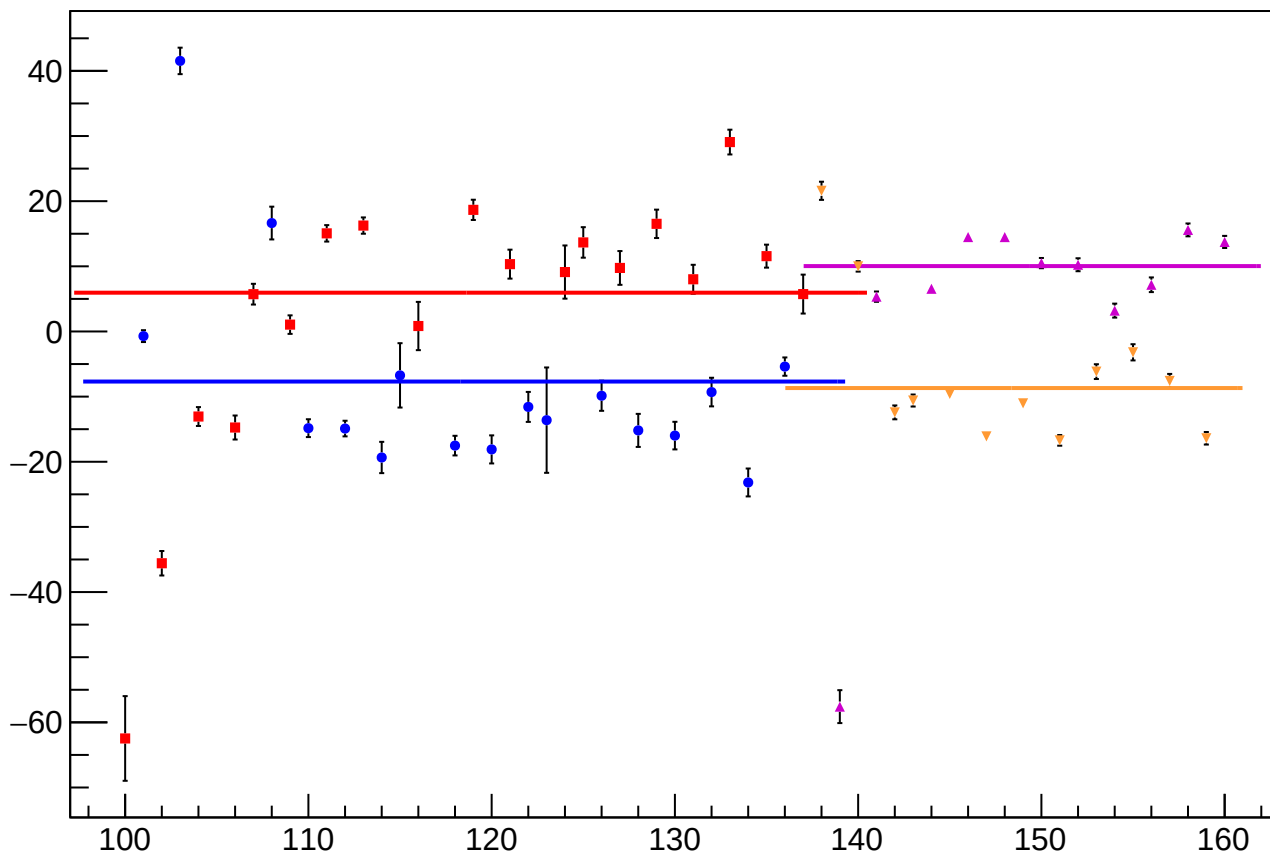
Left In: 17.889+/-0.377 χ^2/NDF : 657.8/10

-23.505+/-0.377 χ^2/NDF : 2292.1/11

-2.839+/-0.267 χ^2/NDF : 8975.7/22

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: -8.685 ± 0.258 χ^2/NDF : 1361.4/11

Right Out: 5.953 ± 0.429 χ^2/NDF : 1298.1/18

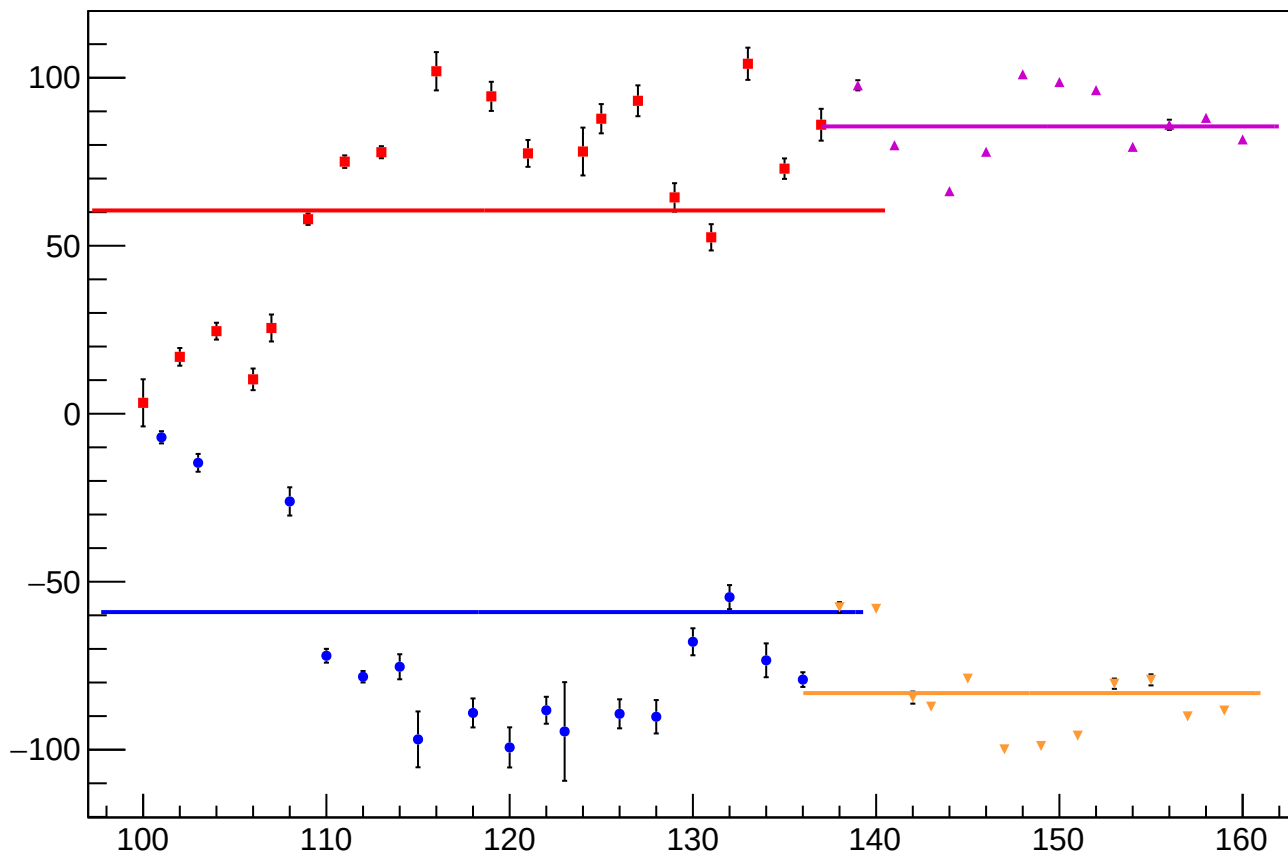
Left In: 10.036 ± 0.256 χ^2/NDF : 969.9/10

-8.420 ± 0.221 χ^2/NDF : 2341.3/28

0.322 ± 0.156 χ^2/NDF : 7778.7/58

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 $\chi^2/\text{NDF}: 1709.5/16$

Left Out: -83.150 ± 0.375 $\chi^2/\text{NDF}: 1404.5/11$

Right Out: 60.507 ± 0.704 $\chi^2/\text{NDF}: 1384.8/18$

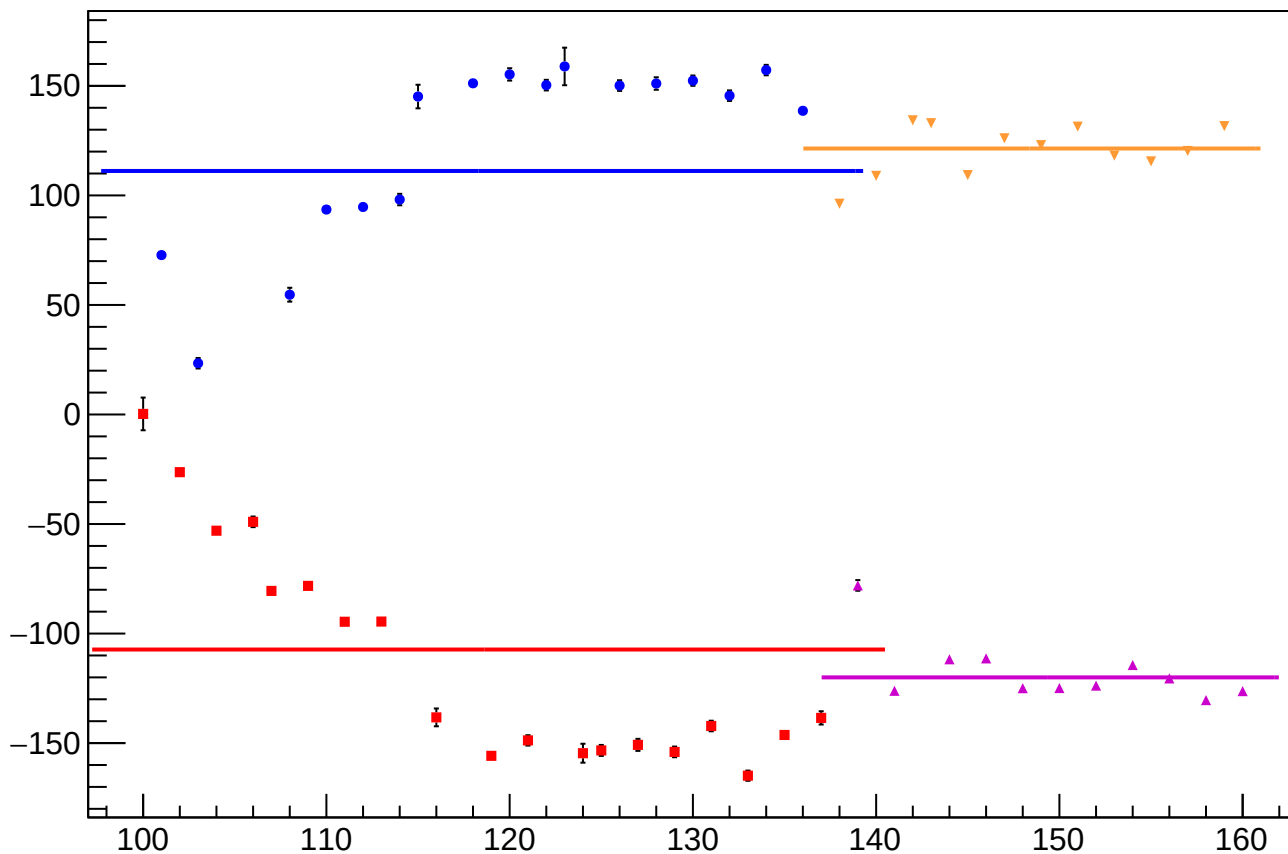
Left In: 85.519 ± 0.369 $\chi^2/\text{NDF}: 886.5/10$

-78.287 ± 0.335 $\chi^2/\text{NDF}: 3948.7/28$

2.797 ± 0.234 $\chi^2/\text{NDF}: 121756.2/58$

80.128 ± 0.327 $\chi^2/\text{NDF}: 3260.4/29$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 121.414 $\pm$ 0.311 χ^2 /NDF: 1058.4/11

Right Out: -107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

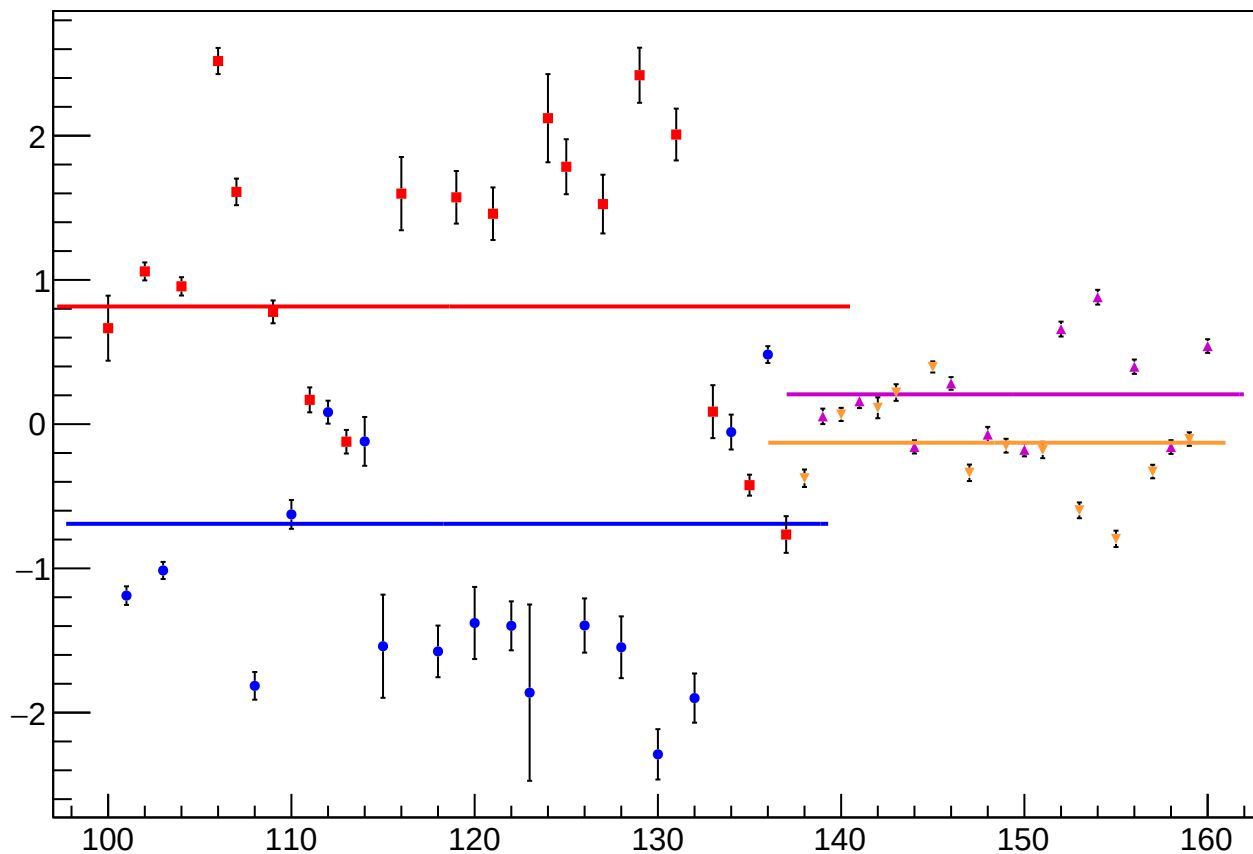
Left In: -120.004 $\pm$ 0.306 χ^2 /NDF: 790.4/10

118.462 $\pm$ 0.262 χ^2 /NDF: 7249.2/28

-0.429 $\pm$ 0.184 χ^2 /NDF: 421246.2/58

-116.413 $\pm$ 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: -0.129 ± 0.015 χ^2/NDF : 511.7/11

Right Out: 0.816 ± 0.024 χ^2/NDF : 1304.4/18

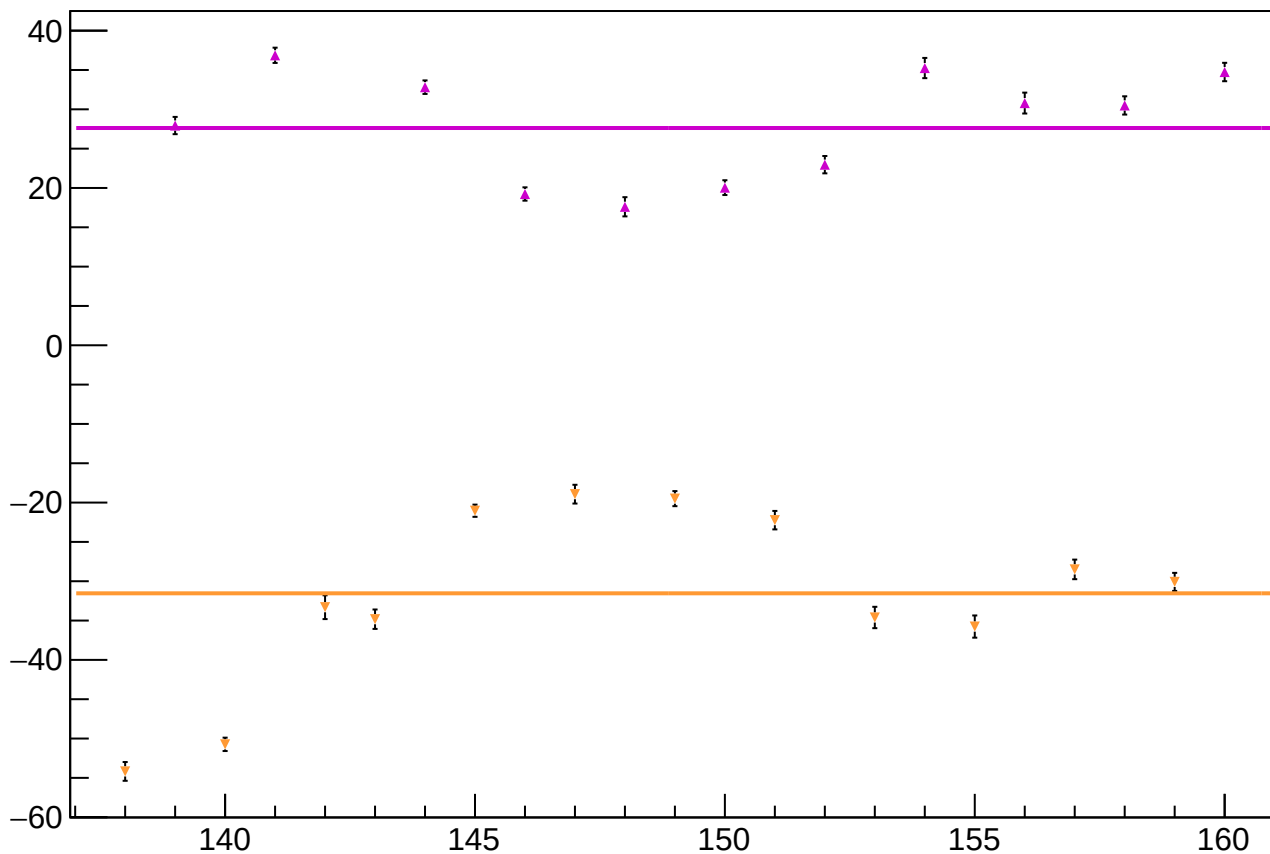
Left In: 0.207 ± 0.015 χ^2/NDF : 545.6/10

-0.269 ± 0.013 χ^2/NDF : 1858.3/28

0.058 ± 0.009 χ^2/NDF : 5422.3/58

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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -31.536+/-0.319 χ^2/NDF : 1415.6/11

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

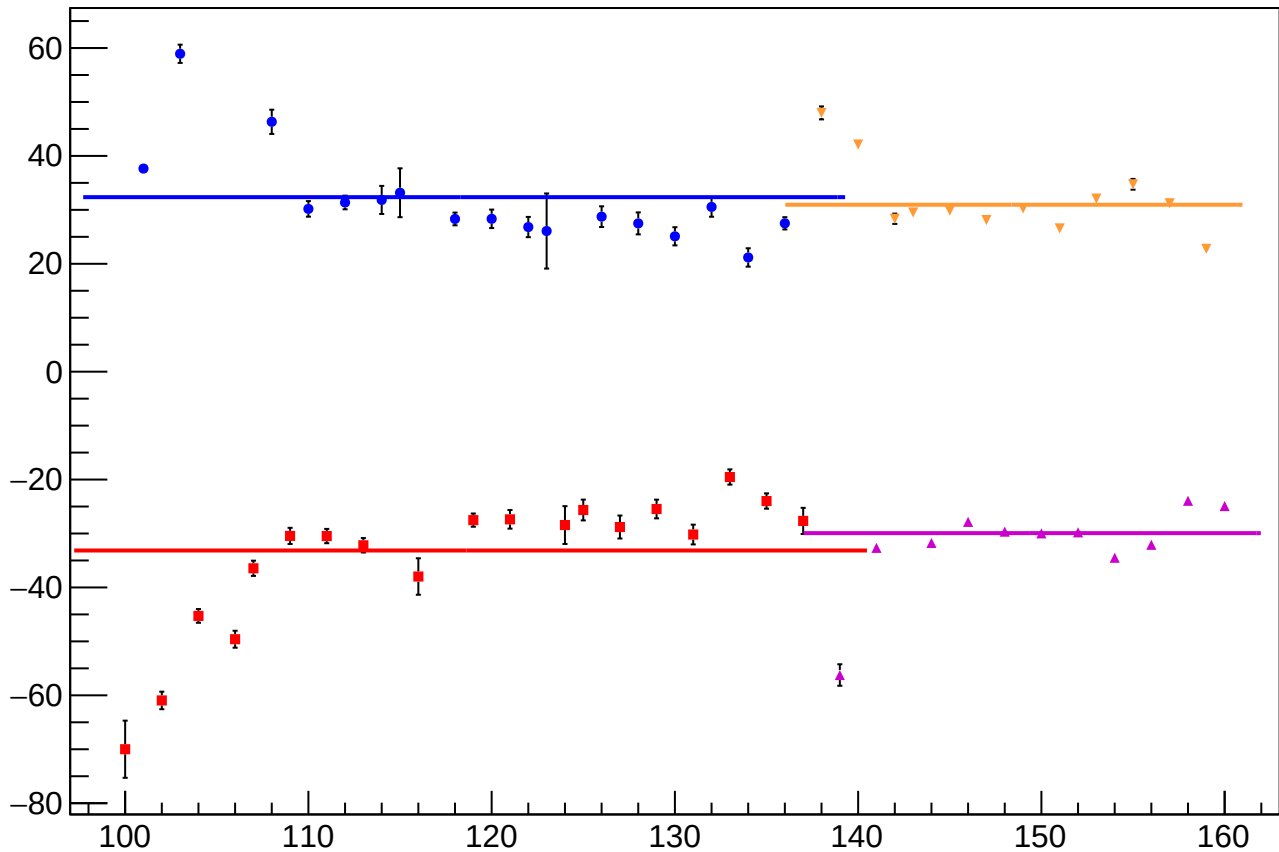
Left In: 27.624+/-0.318 χ^2/NDF : 459.3/10

-31.536+/-0.319 χ^2/NDF : 1415.6/11

-1.813+/-0.225 χ^2/NDF : 19119.5/22

27.624+/-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: 30.949 ± 0.221 $\chi^2/\text{NDF}: 658.4/11$

Right Out: -33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

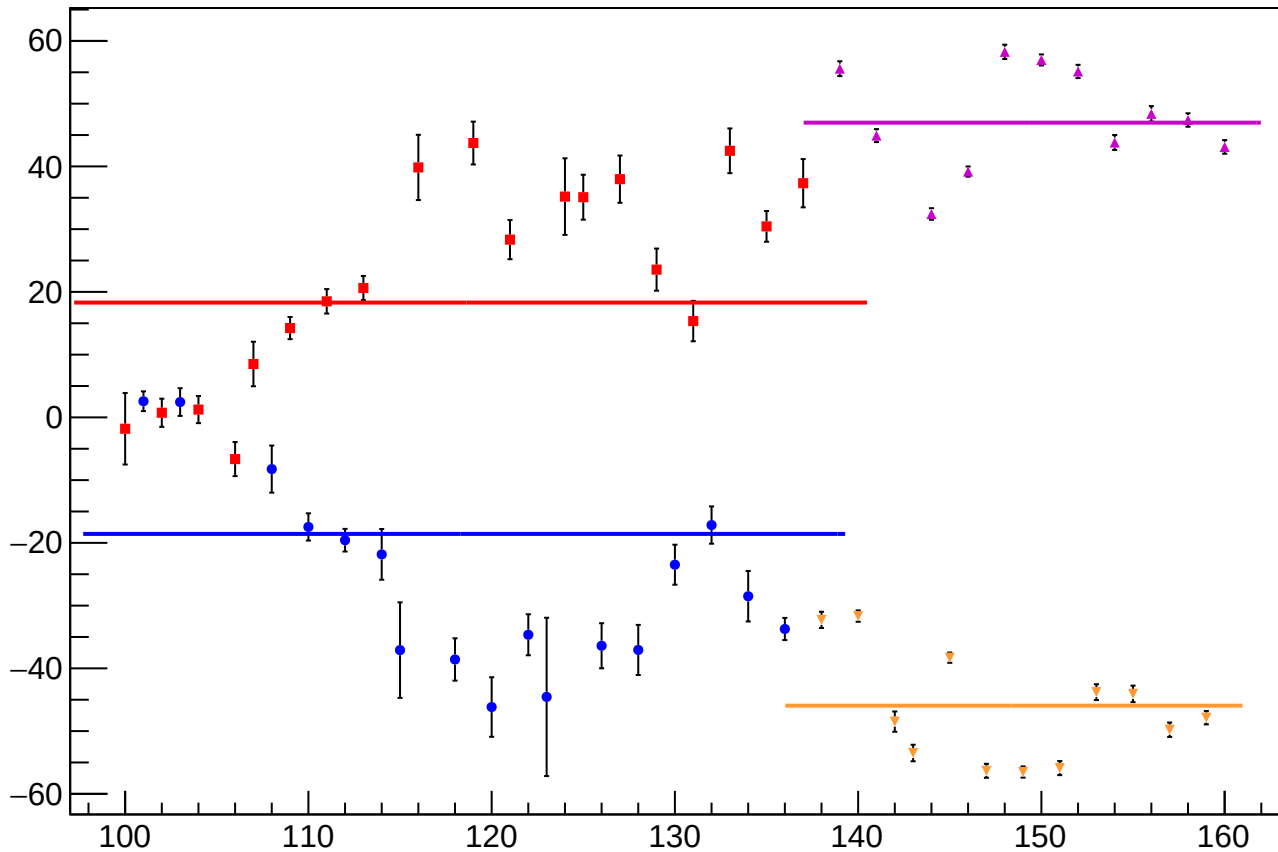
Left In: -29.929 ± 0.220 $\chi^2/\text{NDF}: 343.7/10$

31.312 ± 0.191 $\chi^2/\text{NDF}: 1119.3/28$

0.182 ± 0.135 $\chi^2/\text{NDF}: 55367.7/58$

-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: -45.947 ± 0.317 χ^2/NDF : 807.2/11

Right Out: 18.300 ± 0.644 χ^2/NDF : 473.4/18

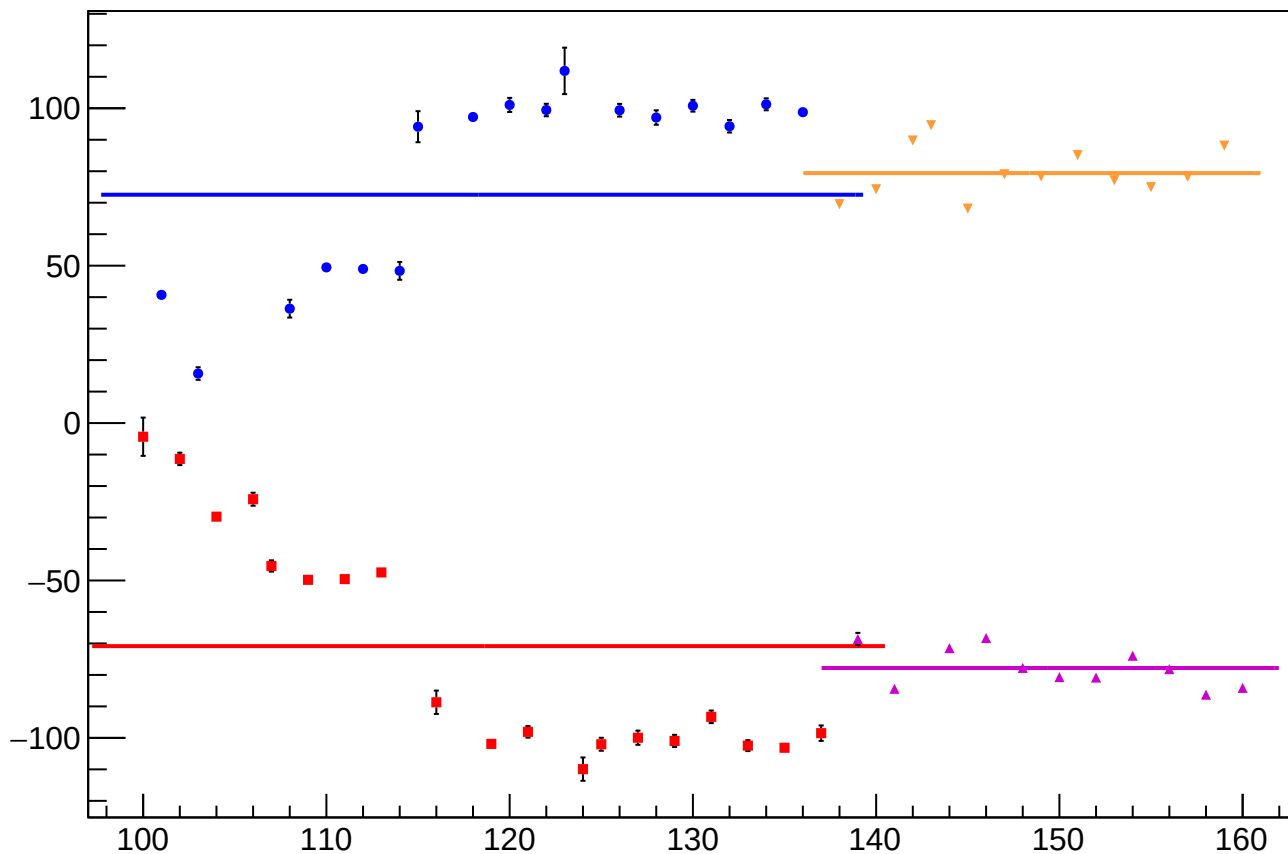
Left In: 46.974 ± 0.311 χ^2/NDF : 704.5/10

-40.914 ± 0.286 χ^2/NDF : 2691.5/28

1.254 ± 0.200 χ^2/NDF : 47935.8/58

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+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 79.412+/-0.265 χ^2/NDF : 798.5/11

Right Out: -70.849+/-0.433 χ^2/NDF : 5500.2/18

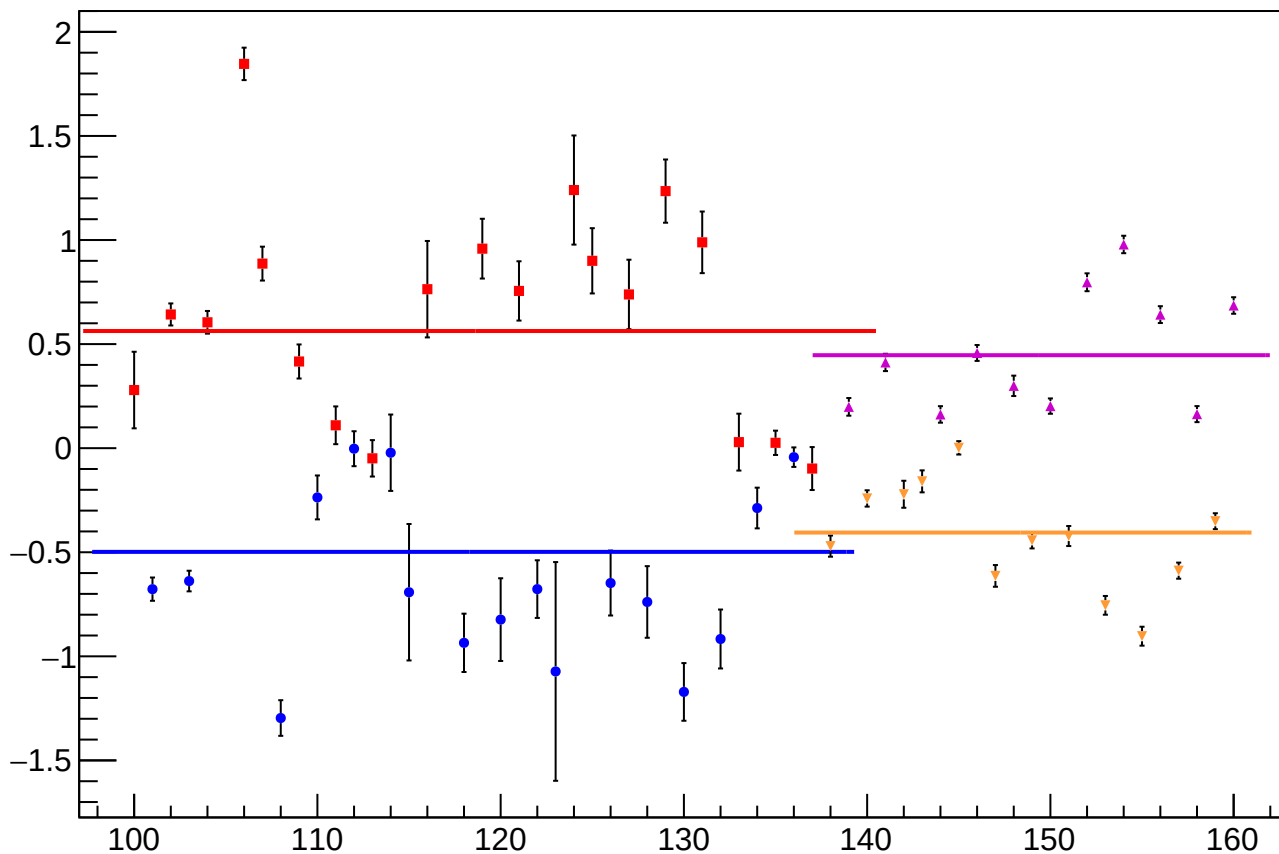
Left In: -77.803+/-0.260 χ^2/NDF : 557.0/10

77.509+/-0.225 χ^2/NDF : 5669.0/28

-0.073+/-0.158 χ^2/NDF : 246378.8/58

-75.963+/-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: -0.405 ± 0.013 χ^2/NDF : 430.5/11

Right Out: 0.563 ± 0.021 χ^2/NDF : 560.8/18

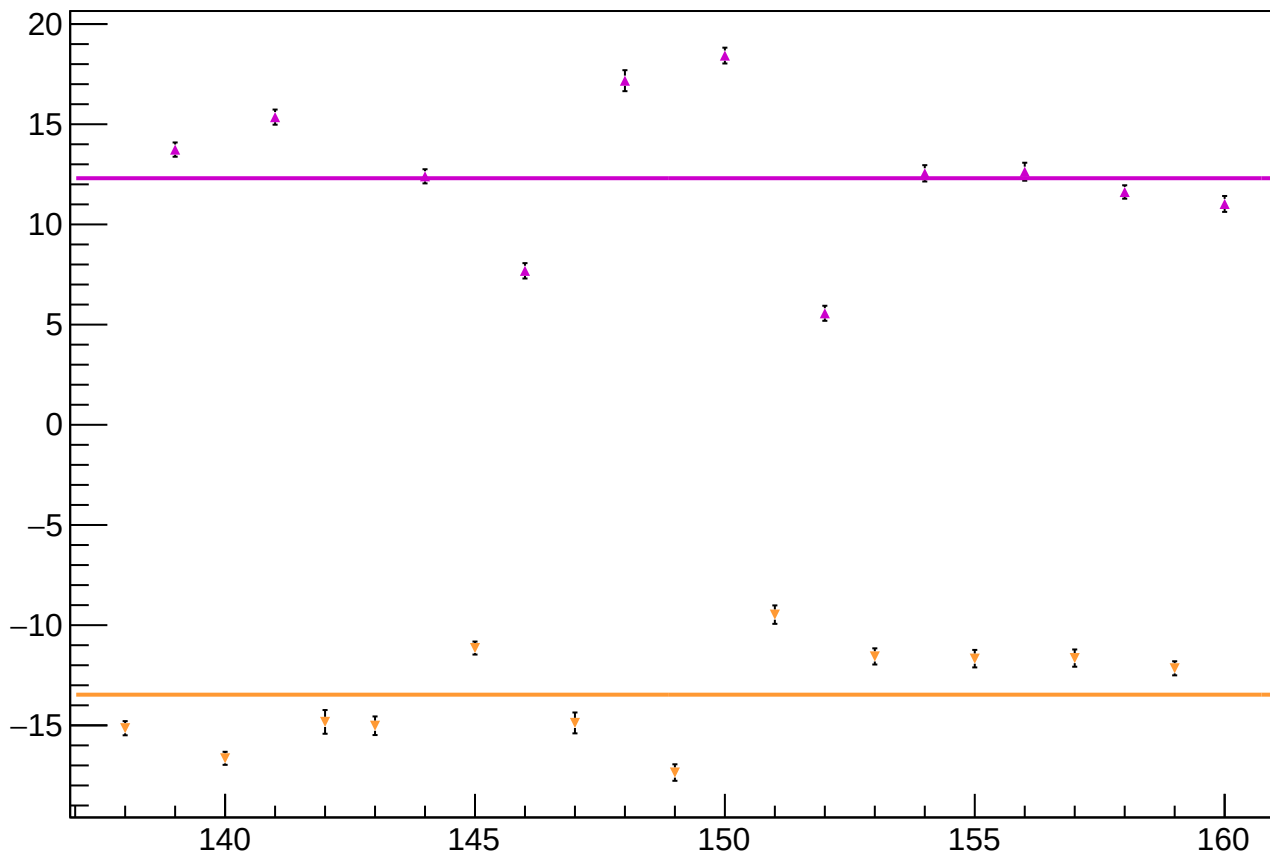
Left In: 0.447 ± 0.012 χ^2/NDF : 480.9/10

-0.428 ± 0.011 χ^2/NDF : 746.4/28

0.035 ± 0.008 χ^2/NDF : 5316.8/58

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: -13.469+/-0.117 χ^2/NDF : 428.5/11

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

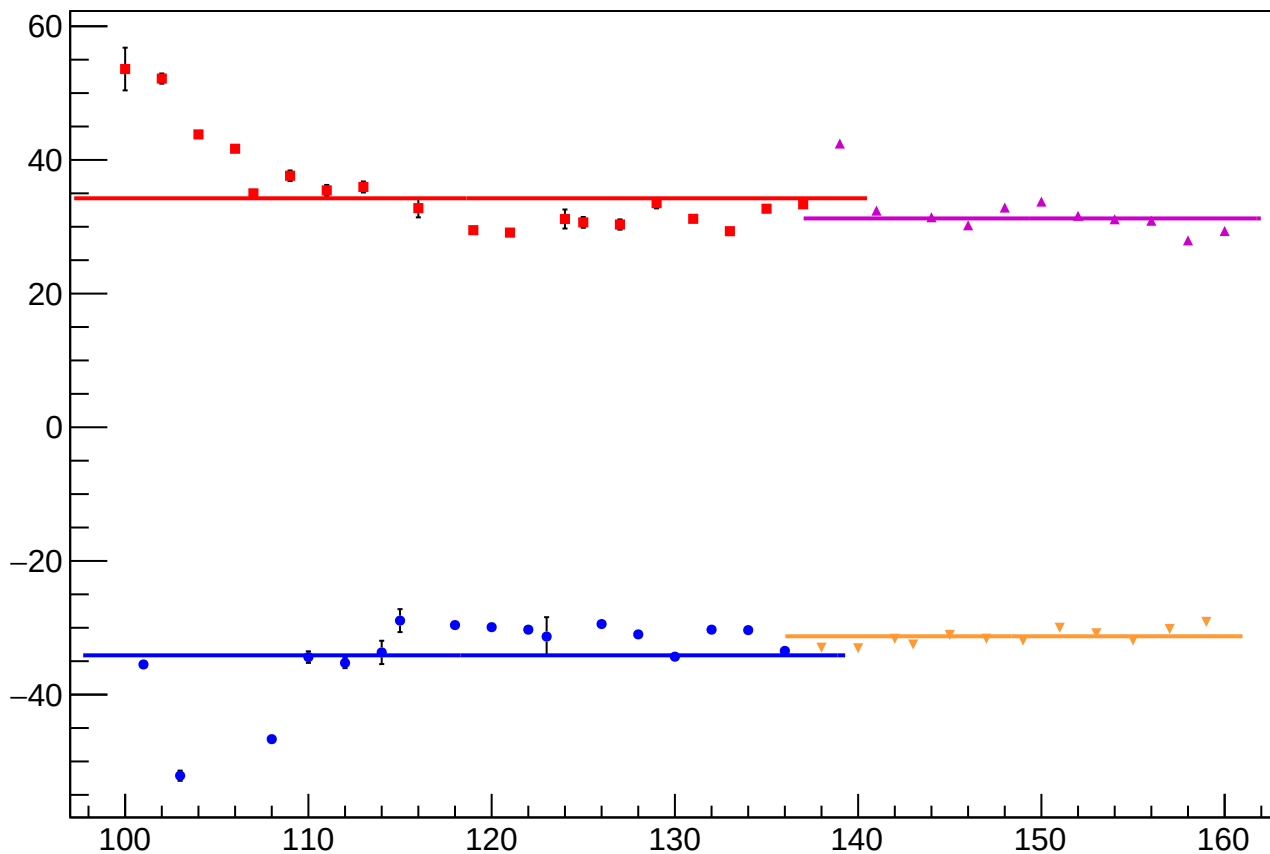
Left In: 12.306+/-0.117 χ^2/NDF : 891.6/10

-13.469+/-0.117 χ^2/NDF : 428.5/11

-0.617+/-0.083 χ^2/NDF : 25700.2/22

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: -31.273 ± 0.082 $\chi^2/\text{NDF}: 211.6/11$

Right Out: 34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

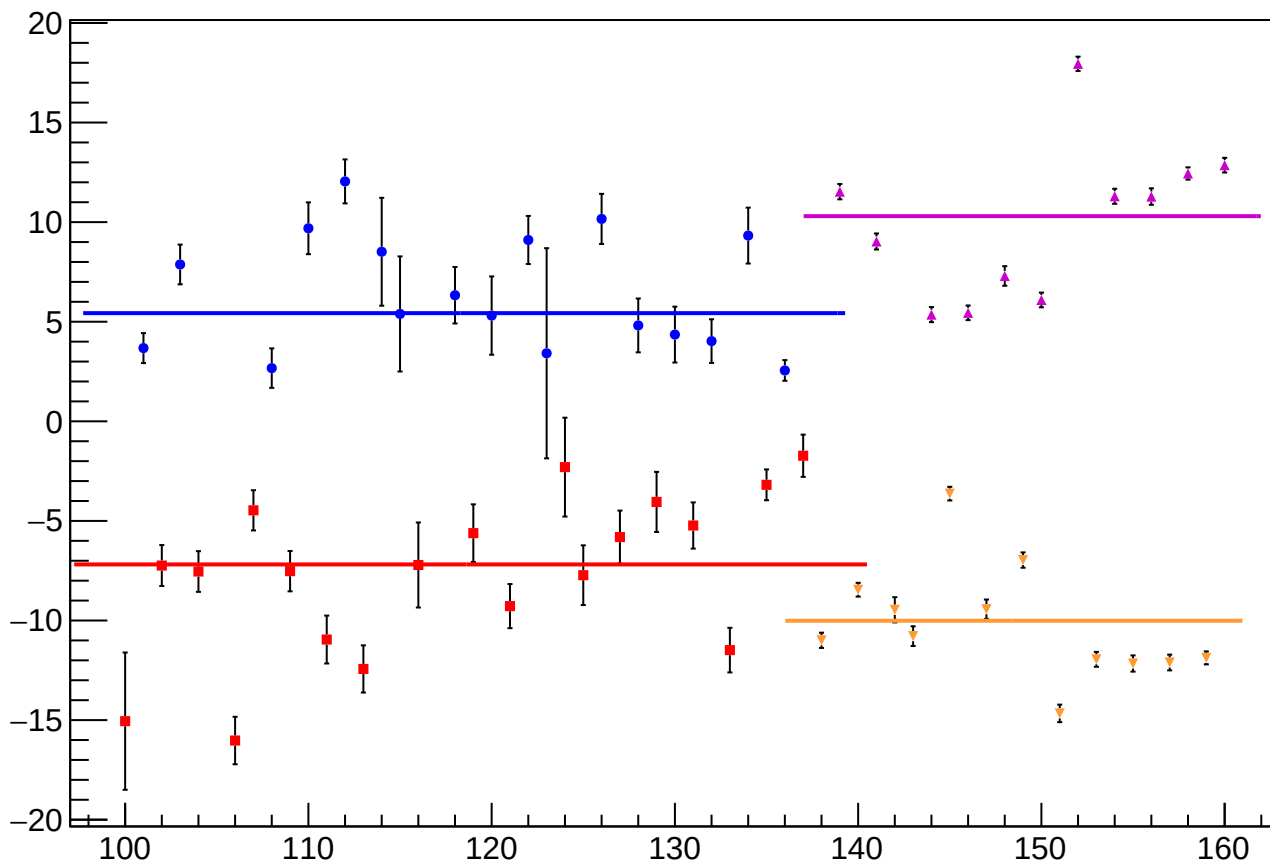
Left In: 31.247 ± 0.083 $\chi^2/\text{NDF}: 728.8/10$

-31.923 ± 0.072 $\chi^2/\text{NDF}: 1805.8/28$

0.005 ± 0.051 $\chi^2/\text{NDF}: 392346.8/58$

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: -10.011 ± 0.115 χ^2/NDF : 666.8/11

Right Out: -7.185 ± 0.274 χ^2/NDF : 182.1/18

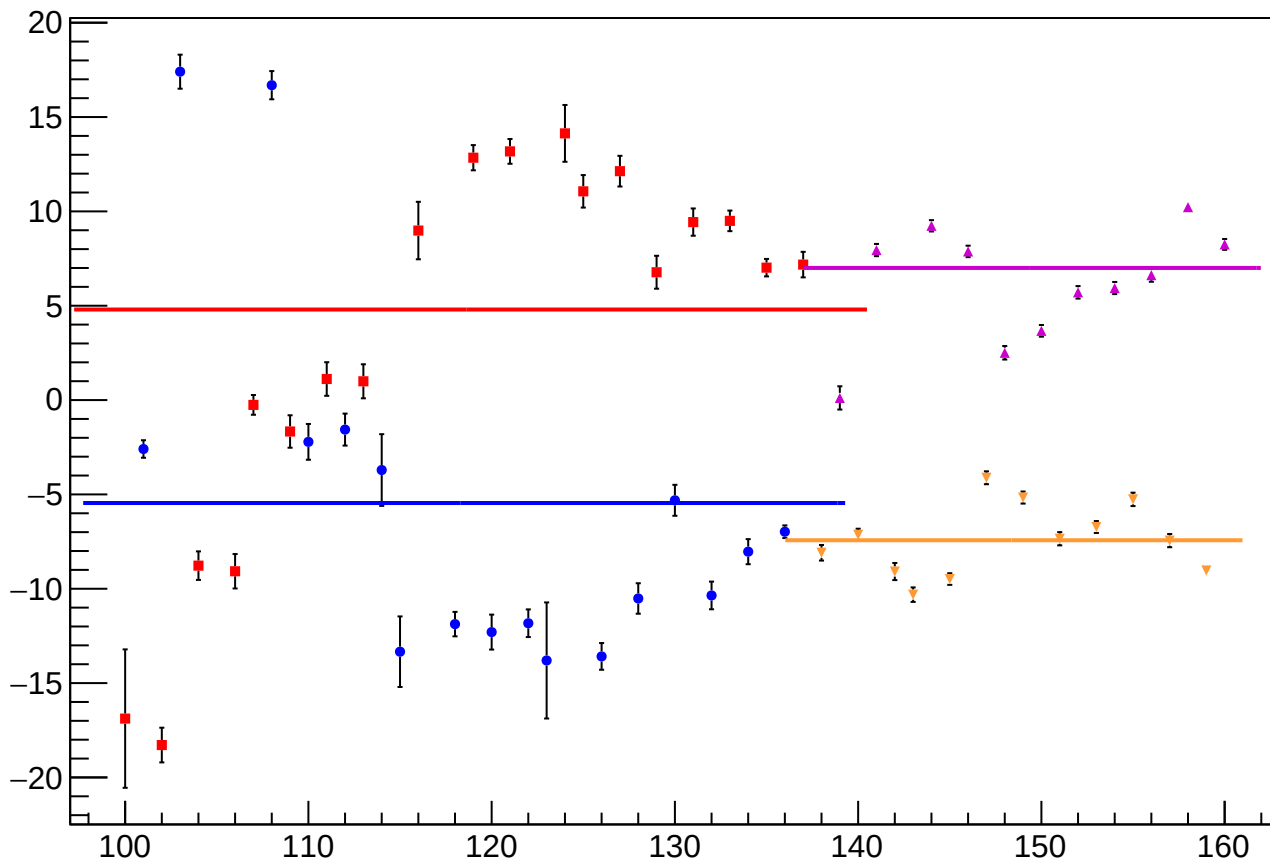
Left In: 10.300 ± 0.114 χ^2/NDF : 1094.6/10

-7.636 ± 0.106 χ^2/NDF : 3558.8/28

0.113 ± 0.075 χ^2/NDF : 18888.6/58

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: -7.429 ± 0.097 χ^2/NDF : 343.2/11

Right Out: 4.798 ± 0.173 χ^2/NDF : 2047.4/18

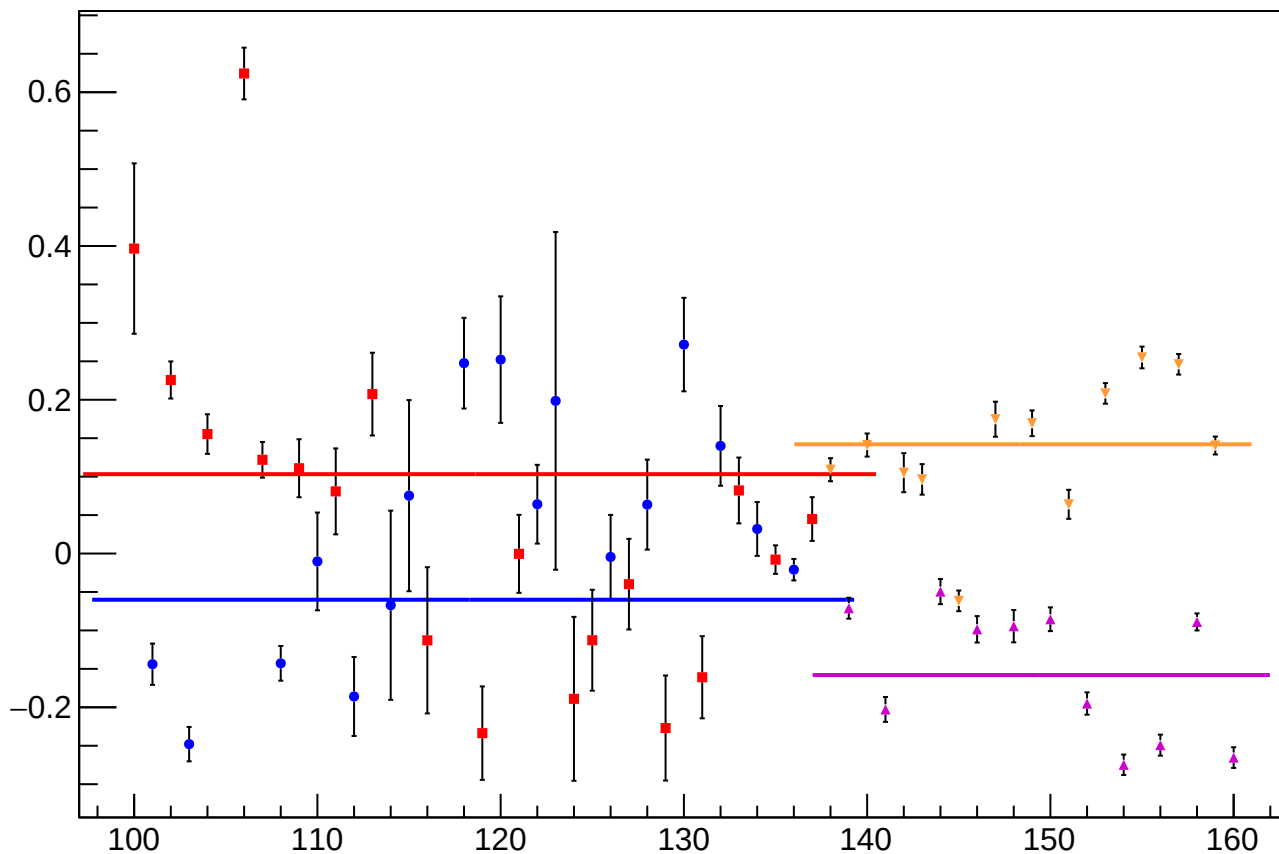
Left In: 7.003 ± 0.096 χ^2/NDF : 693.5/10

-6.946 ± 0.085 χ^2/NDF : 2540.6/28

-0.188 ± 0.060 χ^2/NDF : 18103.8/58

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: 0.142 ± 0.004 χ^2/NDF : 412.7/11

Right Out: 0.103 ± 0.008 χ^2/NDF : 434.3/18

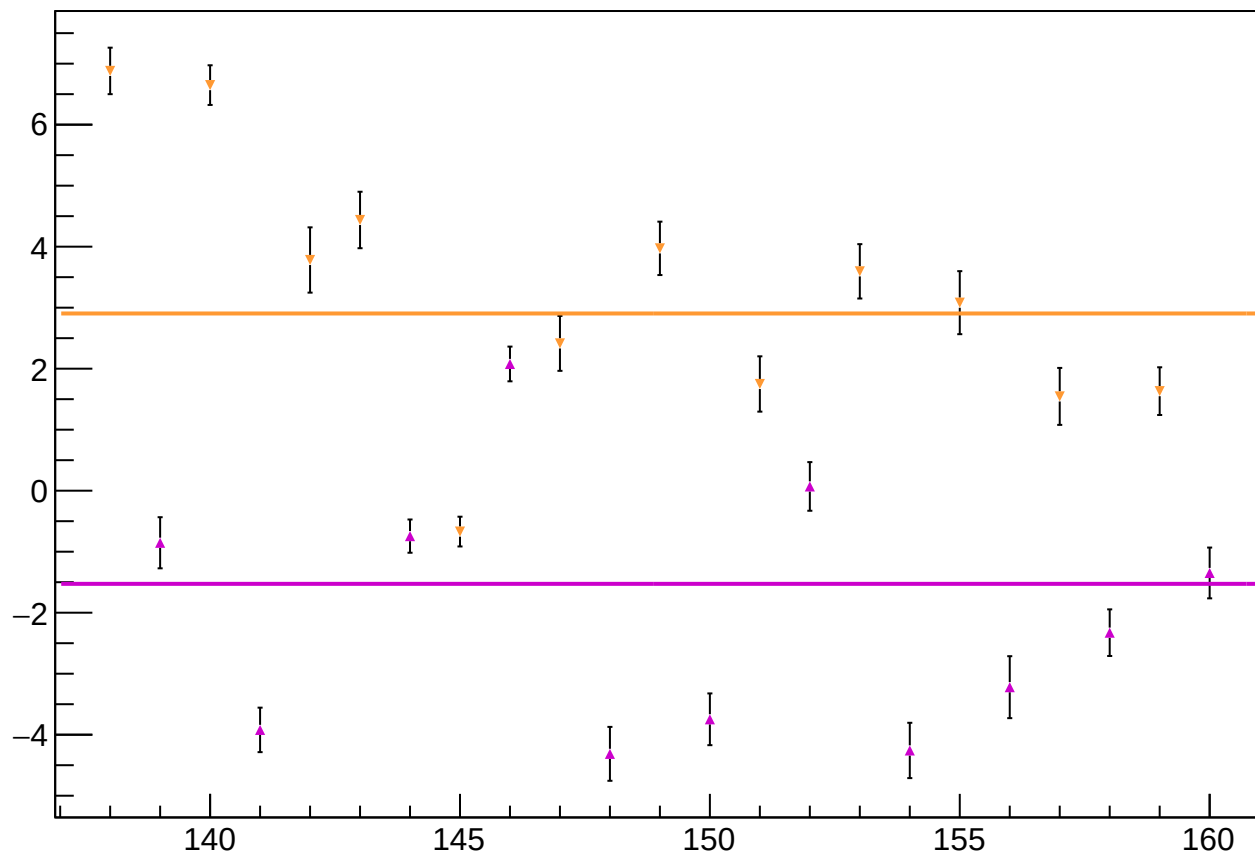
Left In: -0.158 ± 0.004 χ^2/NDF : 366.6/10

0.098 ± 0.004 χ^2/NDF : 1079.9/28

-0.004 ± 0.003 χ^2/NDF : 3948.8/58

-0.103 ± 0.004 χ^2/NDF : 1556.2/29

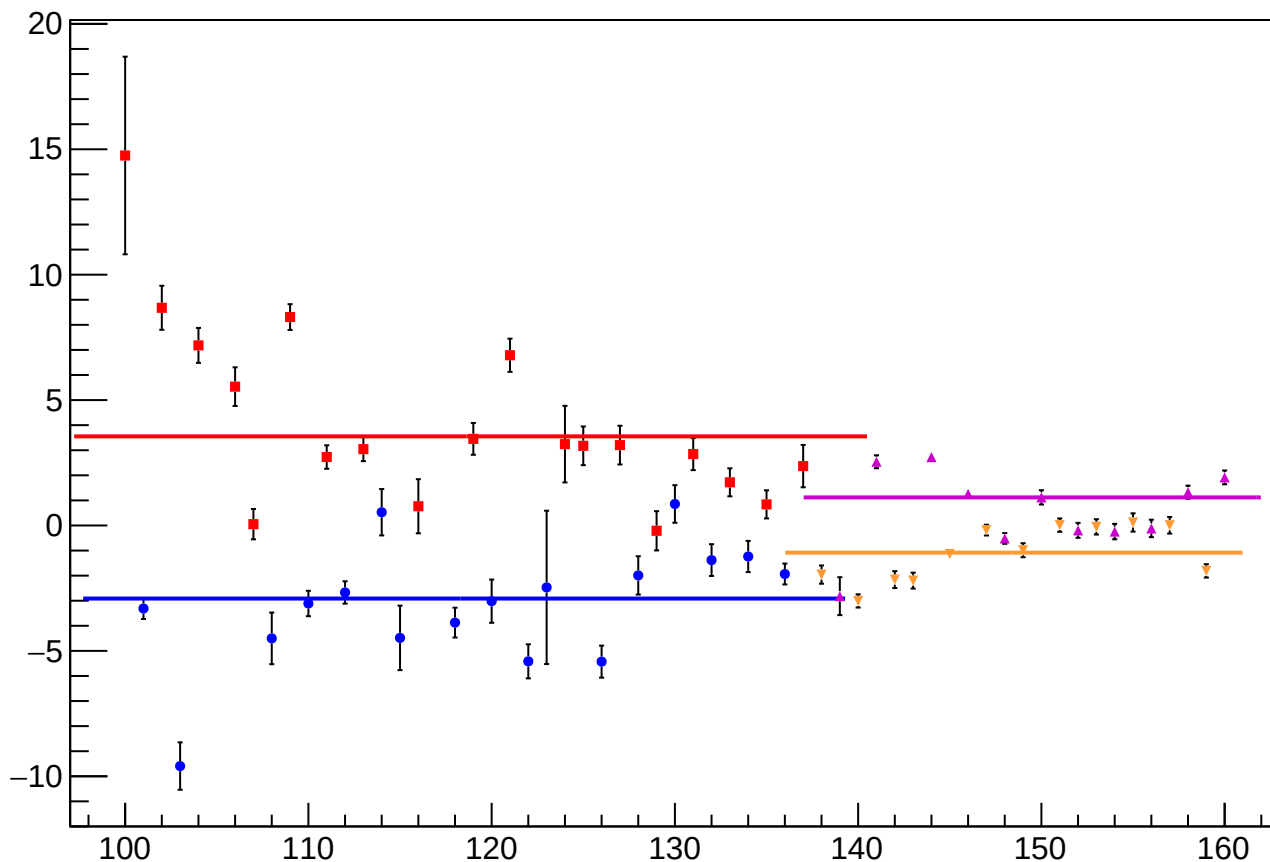
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.905 ± 0.115 χ^2/NDF : 505.1/11
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -1.527 ± 0.114 χ^2/NDF : 349.6/10

2.905 ± 0.115 χ^2/NDF : 505.1/11
 0.673 ± 0.081 χ^2/NDF : 1609.1/22
 -1.527 ± 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: -1.083 ± 0.080 χ^2/NDF : 156.9/11

Right Out: 3.553 ± 0.155 χ^2/NDF : 290.9/18

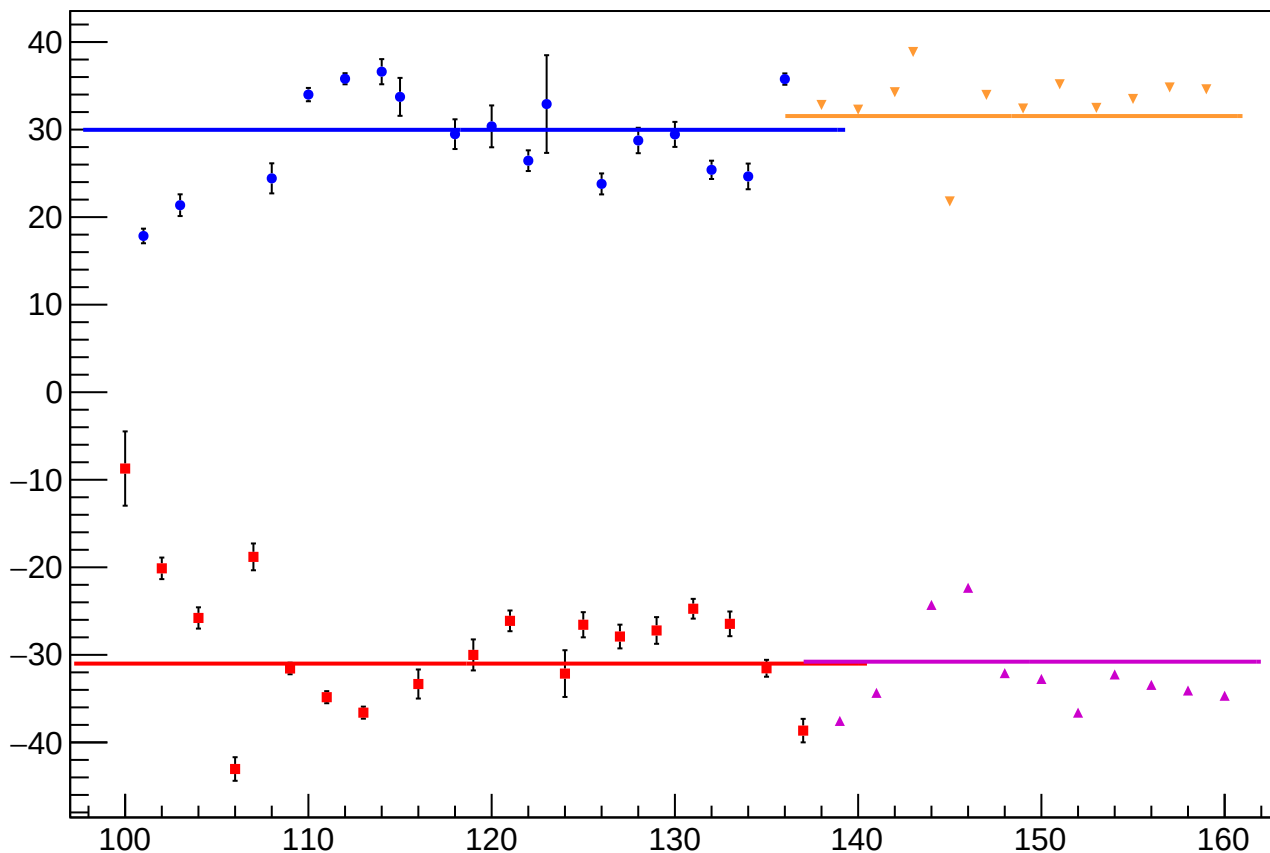
Left In: 1.120 ± 0.077 χ^2/NDF : 244.3/10

-1.468 ± 0.071 χ^2/NDF : 413.5/28

0.110 ± 0.050 χ^2/NDF : 2109.5/58

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 χ^2/NDF : 554.3/16

Left Out: 31.546 ± 0.114 χ^2/NDF : 1923.3/11

Right Out: -30.999 ± 0.260 χ^2/NDF : 479.5/18

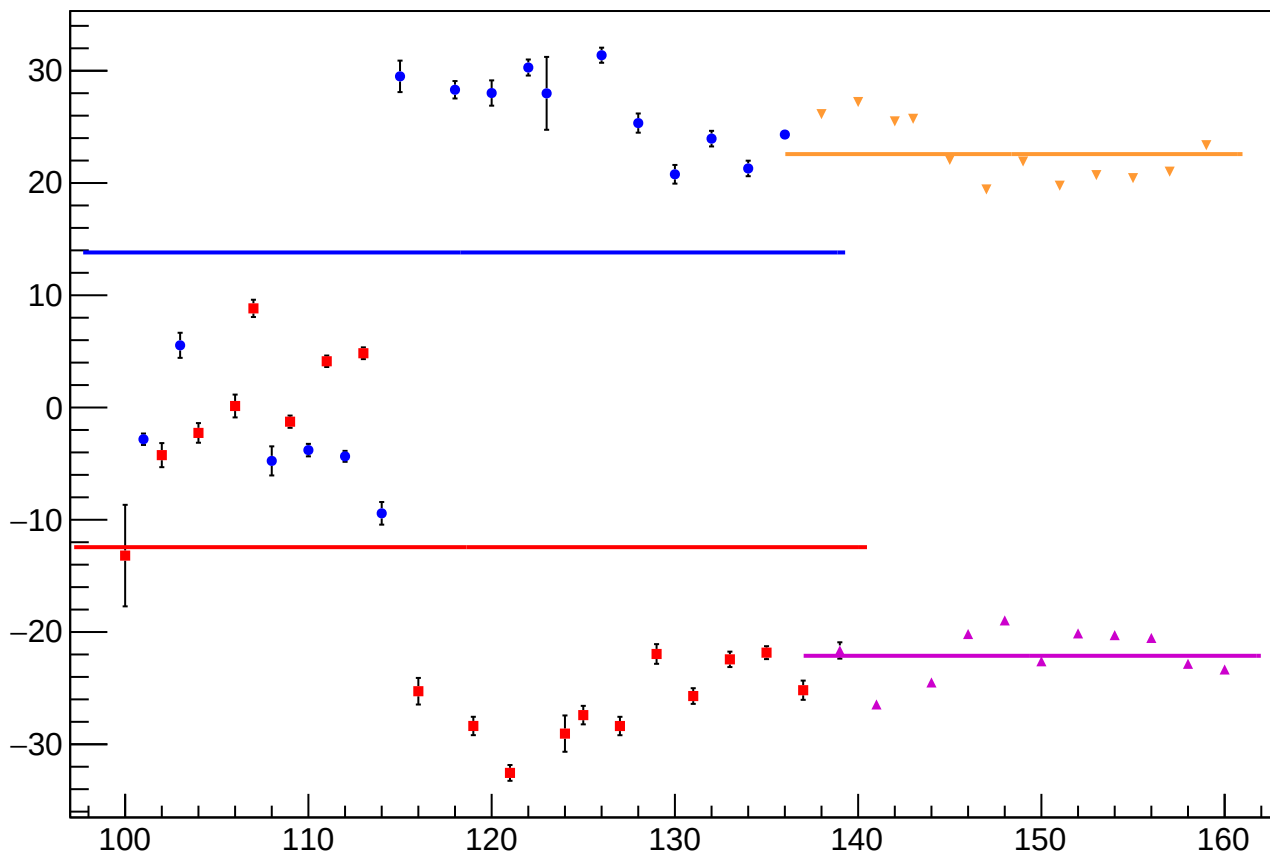
Left In: -30.781 ± 0.111 χ^2/NDF : 2254.4/10

31.302 ± 0.105 χ^2/NDF : 2506.9/28

-0.601 ± 0.073 χ^2/NDF : 184174.3/58

-30.815 ± 0.102 χ^2/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: 22.576 $\pm$ 0.095 χ^2 /NDF: 671.0/11

Right Out: -12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

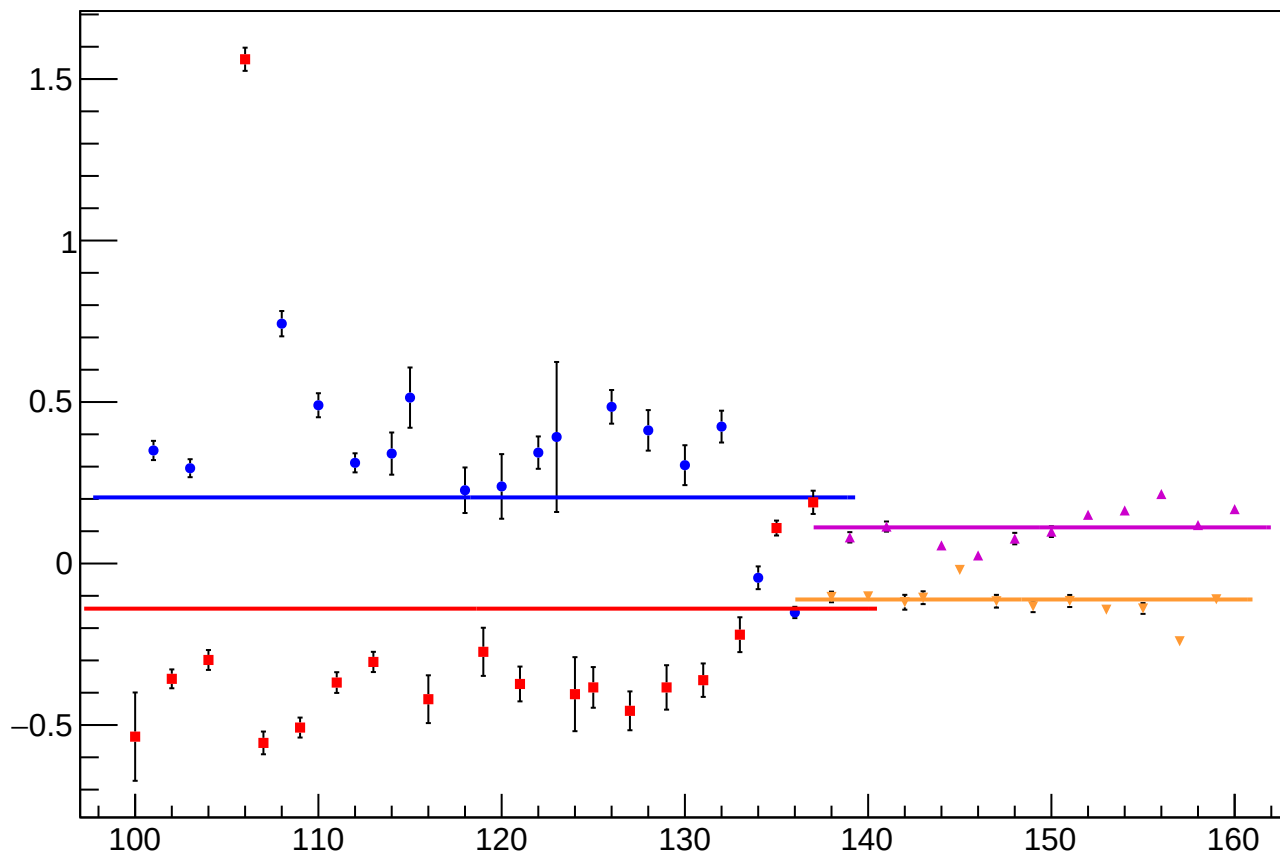
Left In: -22.117 $\pm$ 0.092 χ^2 /NDF: 587.0/10

20.528 $\pm$ 0.083 χ^2 /NDF: 9963.2/28

-0.272 $\pm$ 0.058 χ^2 /NDF: 140944.5/58

-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: -0.111 ± 0.004 χ^2/NDF : 170.4/11

Right Out: -0.140 ± 0.009 χ^2/NDF : 3014.2/18

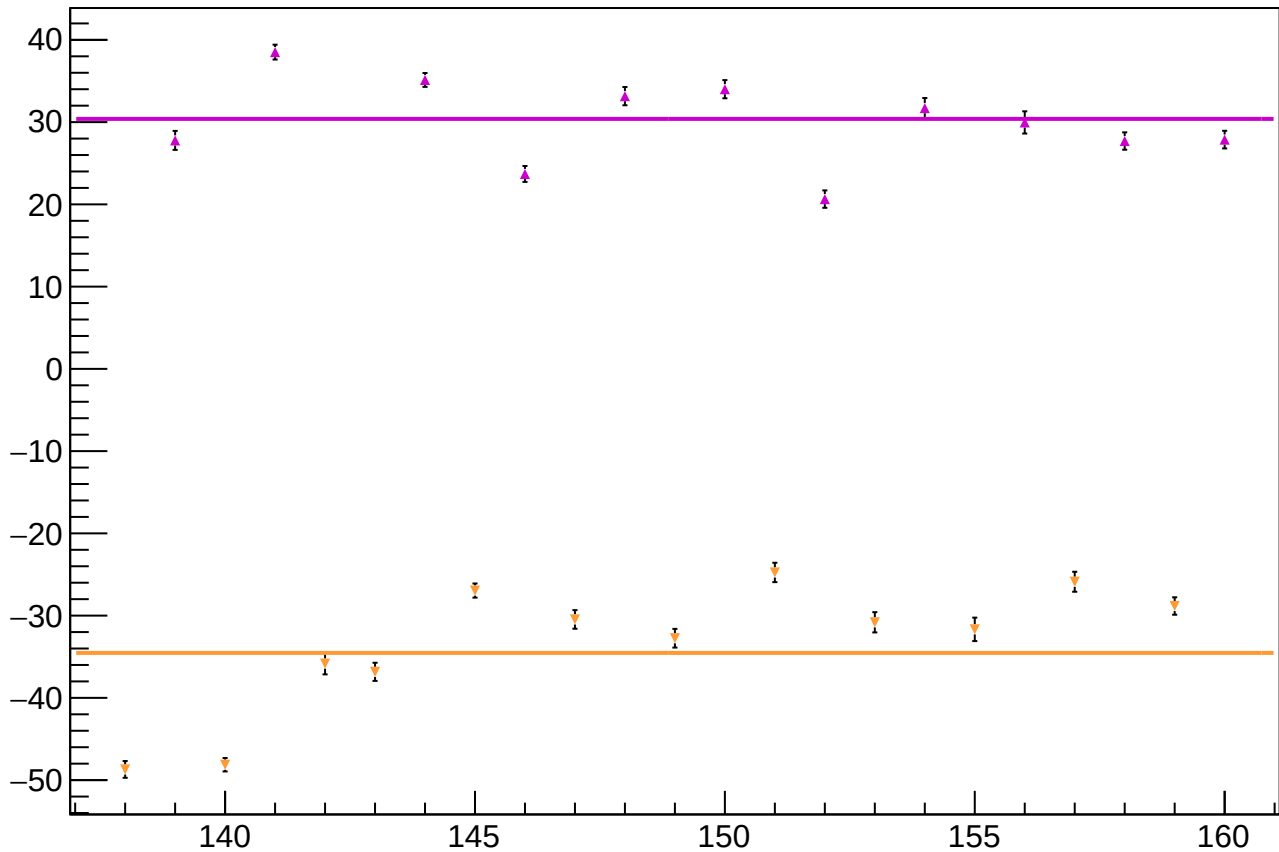
Left In: 0.112 ± 0.004 χ^2/NDF : 154.4/10

-0.052 ± 0.004 χ^2/NDF : 1940.7/28

0.007 ± 0.003 χ^2/NDF : 6144.3/58

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: -34.533+/-0.313 χ^2/NDF : 730.8/11

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

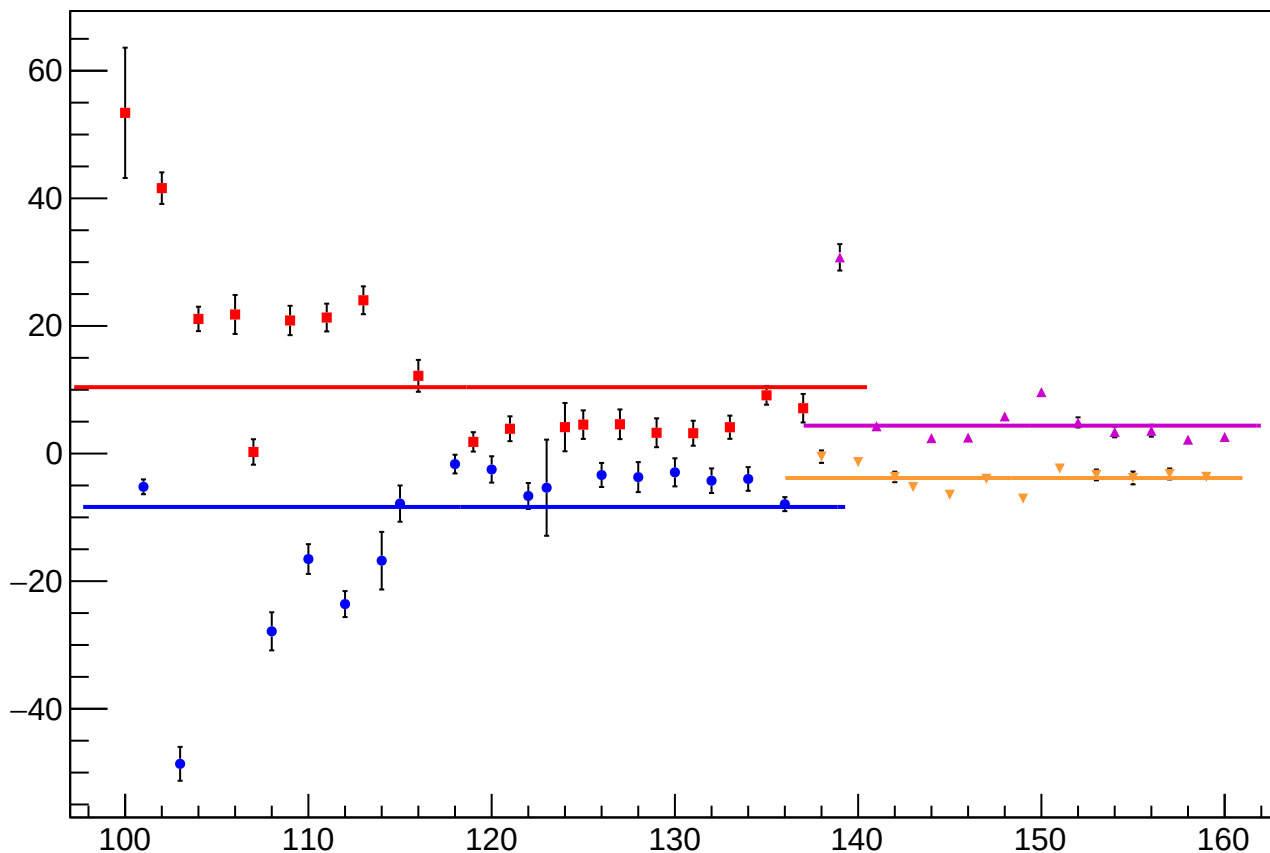
Left In: 30.393+/-0.317 χ^2/NDF : 280.2/10

-34.533+/-0.313 χ^2/NDF : 730.8/11

-2.506+/-0.223 χ^2/NDF : 22260.8/22

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: -3.834 ± 0.214 χ^2/NDF : 69.2/11

Right Out: 10.405 ± 0.491 χ^2/NDF : 430.3/18

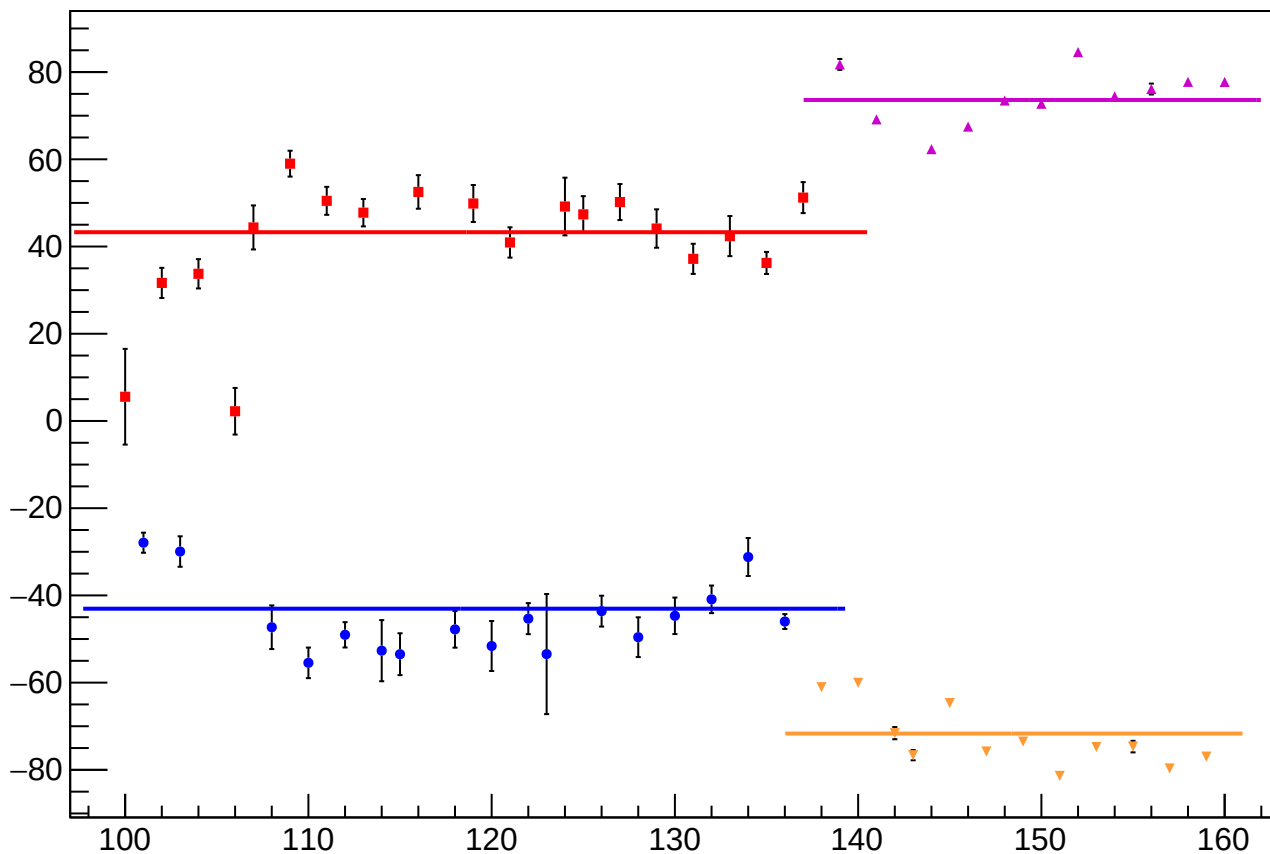
Left In: 4.374 ± 0.214 χ^2/NDF : 258.8/10

-4.626 ± 0.195 χ^2/NDF : 556.0/28

0.321 ± 0.138 χ^2/NDF : 2670.9/58

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: -71.675 ± 0.311 $\chi^2/\text{NDF}: 533.0/11$

Right Out: 43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$

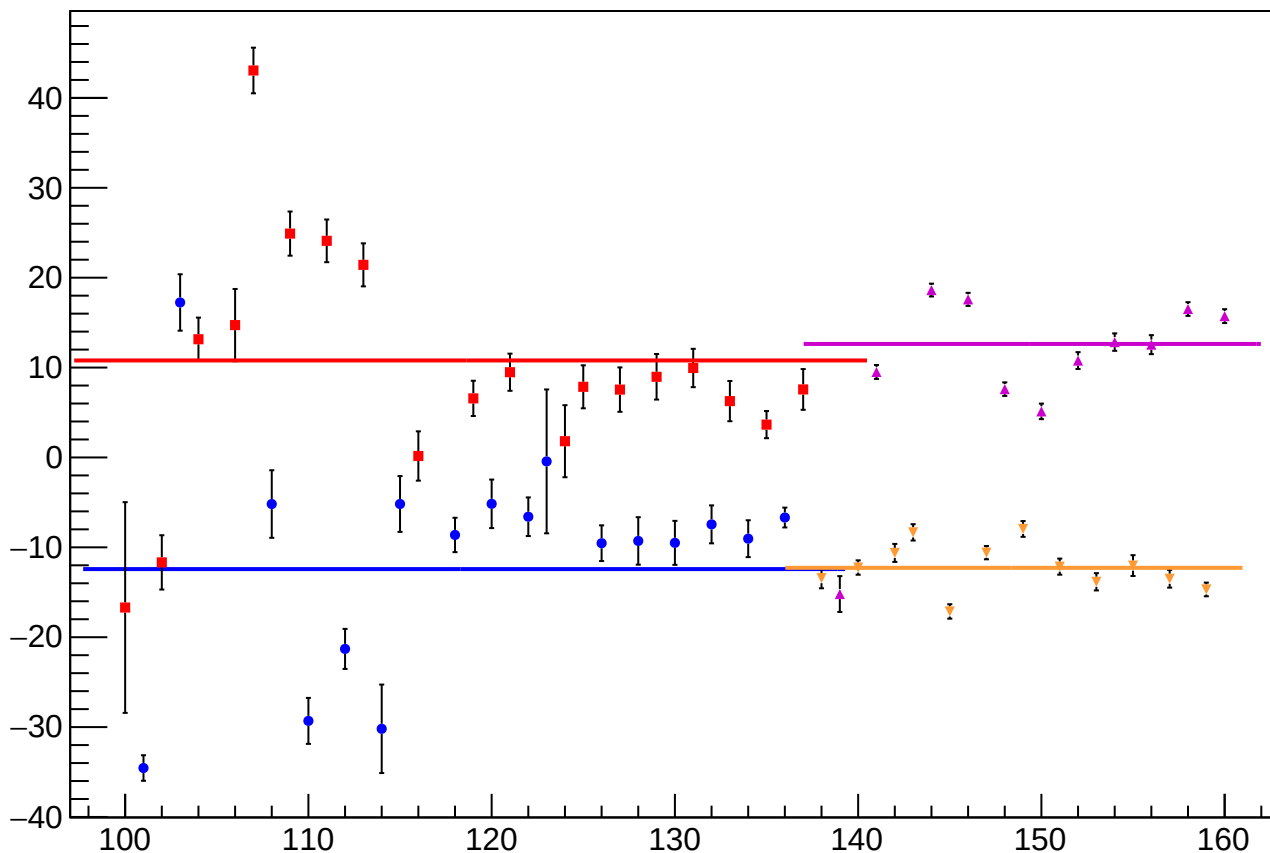
Left In: 73.604 ± 0.310 $\chi^2/\text{NDF}: 421.6/10$

-68.196 ± 0.292 $\chi^2/\text{NDF}: 1659.1/28$

1.009 ± 0.206 $\chi^2/\text{NDF}: 115694.9/58$

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 $\chi^2/\text{NDF}: 474.4/16$

Left Out: -12.280 ± 0.258 $\chi^2/\text{NDF}: 102.8/11$

Right Out: 10.791 ± 0.554 $\chi^2/\text{NDF}: 365.8/18$

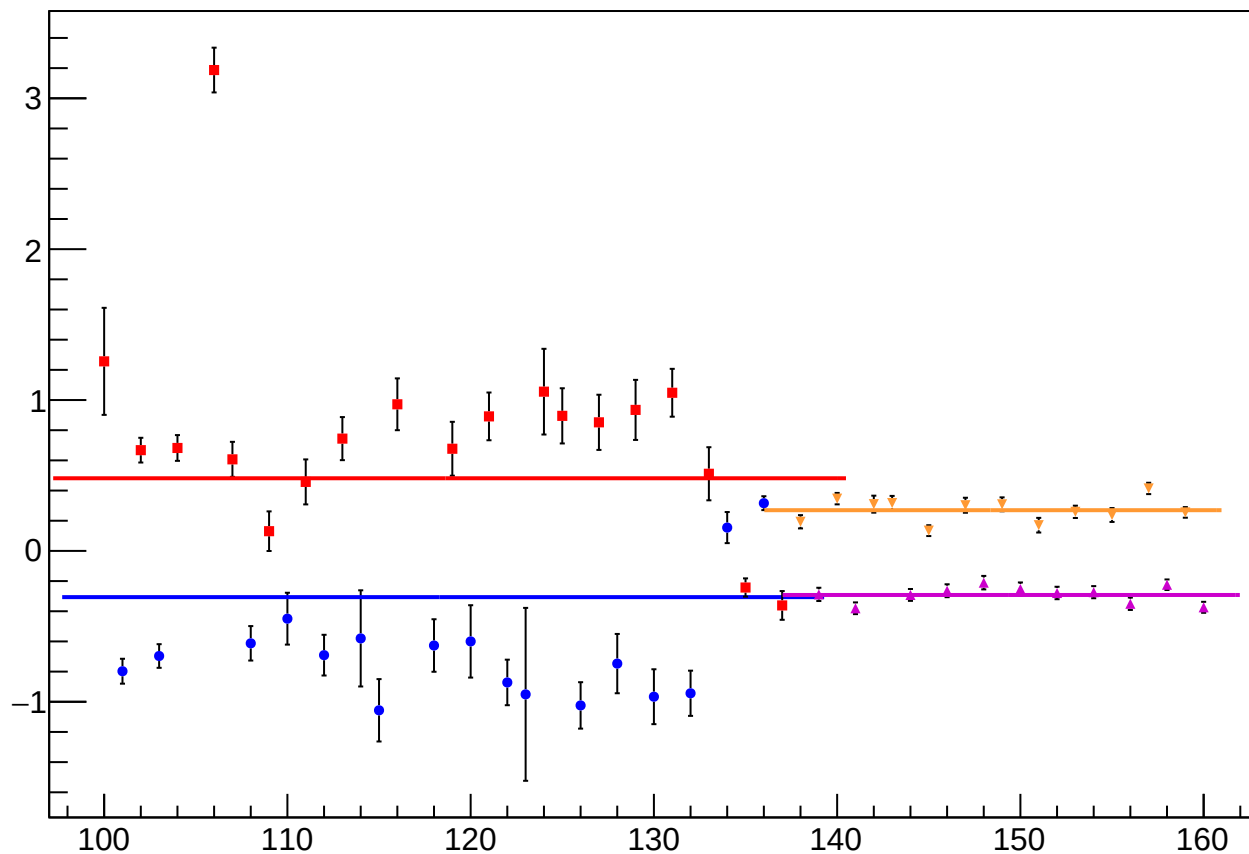
Left In: 12.628 ± 0.255 $\chi^2/\text{NDF}: 494.2/10$

-12.307 ± 0.231 $\chi^2/\text{NDF}: 577.2/28$

-0.027 ± 0.164 $\chi^2/\text{NDF}: 7101.6/58$

12.307 ± 0.232 $\chi^2/\text{NDF}: 869.1/29$

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: 0.270 ± 0.012 χ^2/NDF : 43.6/11

Right Out: 0.481 ± 0.029 χ^2/NDF : 628.3/18

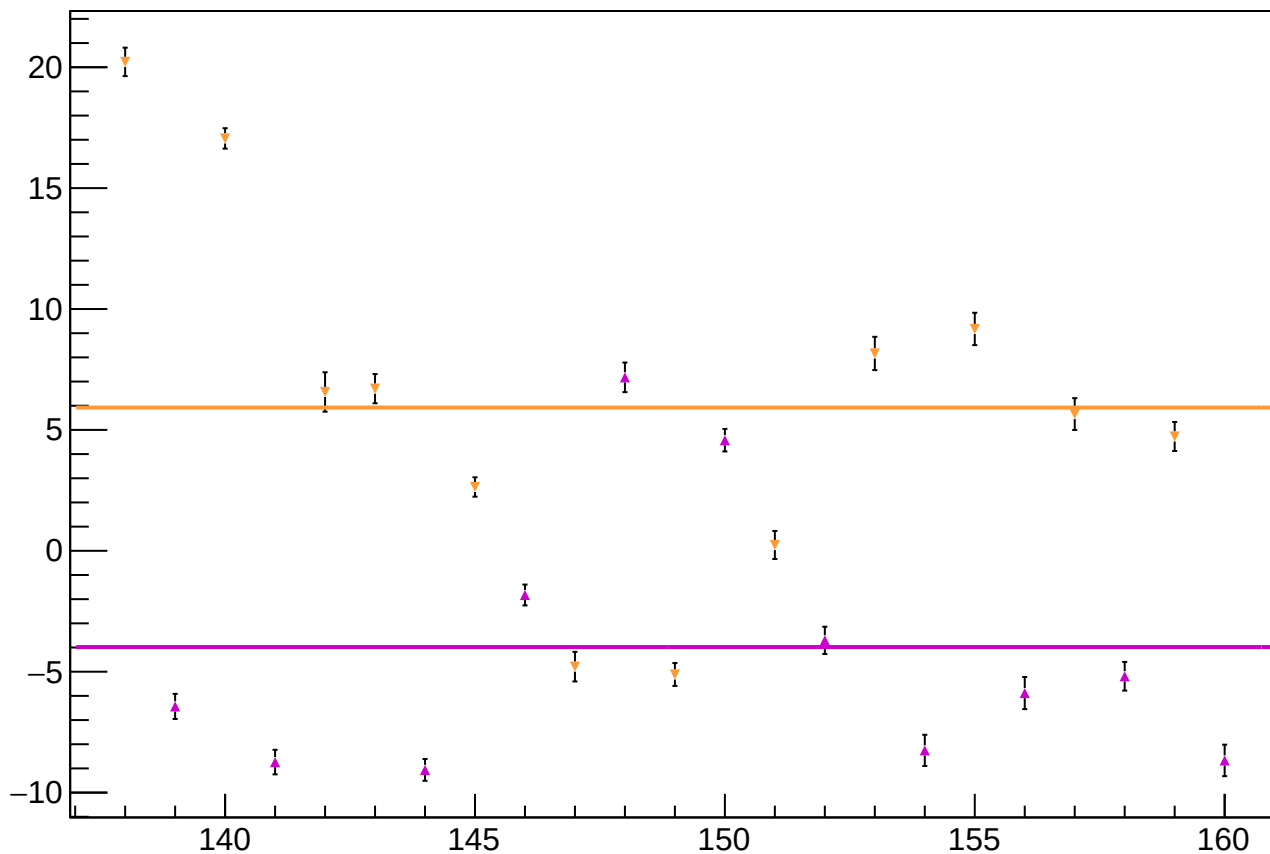
Left In: -0.292 ± 0.012 χ^2/NDF : 20.9/10

0.174 ± 0.011 χ^2/NDF : 779.8/28

-0.000 ± 0.008 χ^2/NDF : 2532.1/58

-0.174 ± 0.011 χ^2/NDF : 1268.9/29

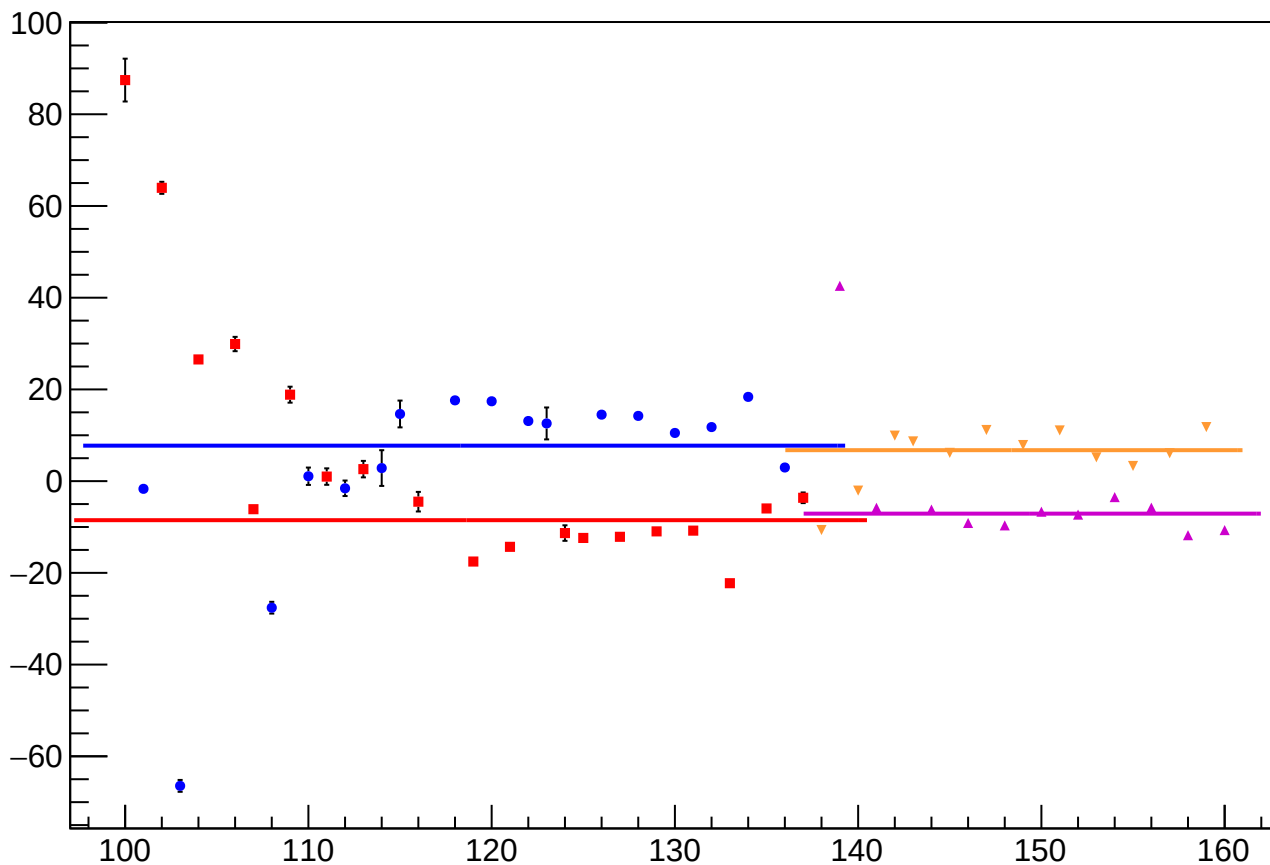
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.924+/-0.161 χ^2/NDF : 2340.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.980+/-0.162 χ^2/NDF : 1039.9/10

5.924+/-0.161 χ^2/NDF : 2340.0/11
 0.992+/-0.114 χ^2/NDF : 5260.1/22
 -3.980+/-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 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 6.751 ± 0.112 $\chi^2/\text{NDF}: 2158.5/11$

Right Out: -8.514 ± 0.213 $\chi^2/\text{NDF}: 6719.4/18$

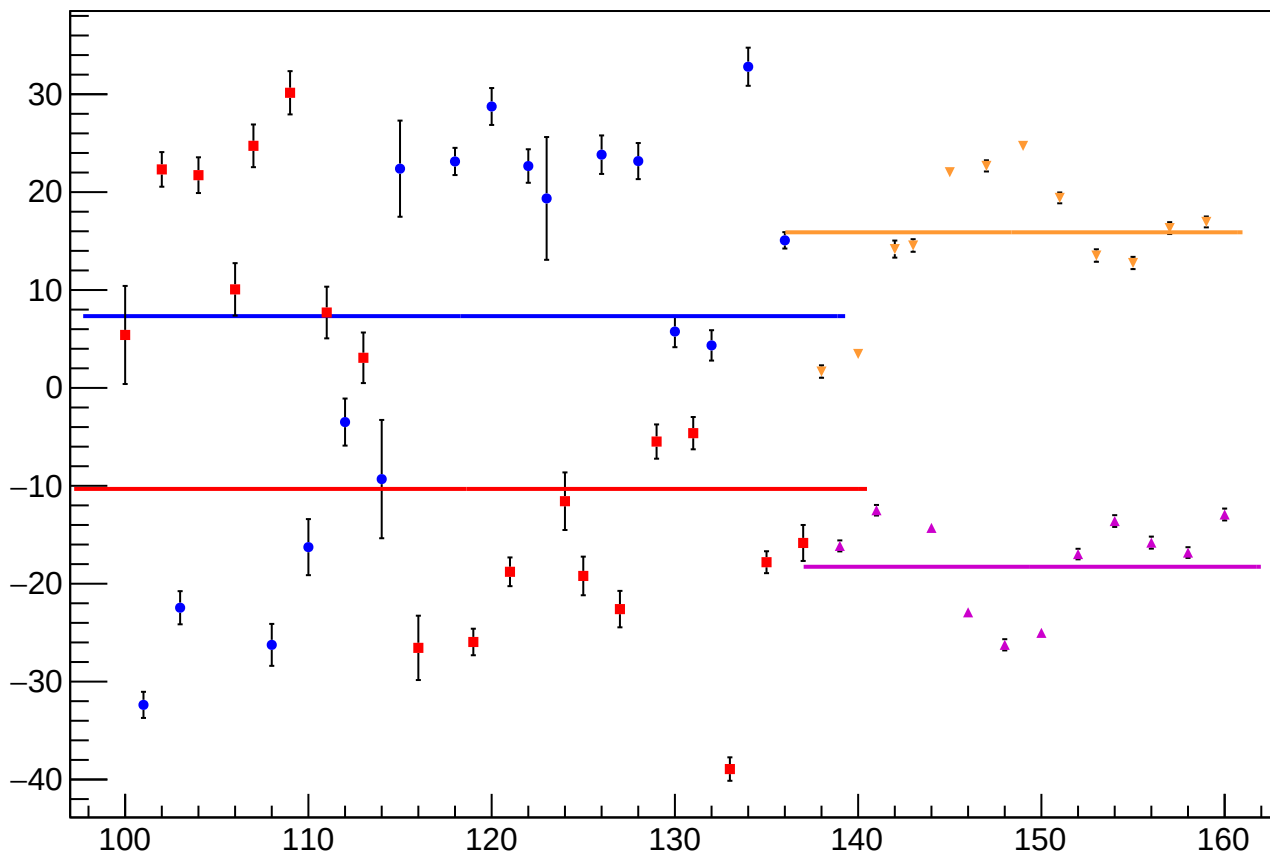
Left In: -7.088 ± 0.112 $\chi^2/\text{NDF}: 3189.1/10$

6.957 ± 0.100 $\chi^2/\text{NDF}: 7475.3/28$

-0.230 ± 0.070 $\chi^2/\text{NDF}: 27819.2/58$

-7.398 ± 0.099 $\chi^2/\text{NDF}: 9943.5/29$

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: 15.895 ± 0.160 χ^2/NDF : 2100.0/11

Right Out: -10.317 ± 0.417 χ^2/NDF : 2281.5/18

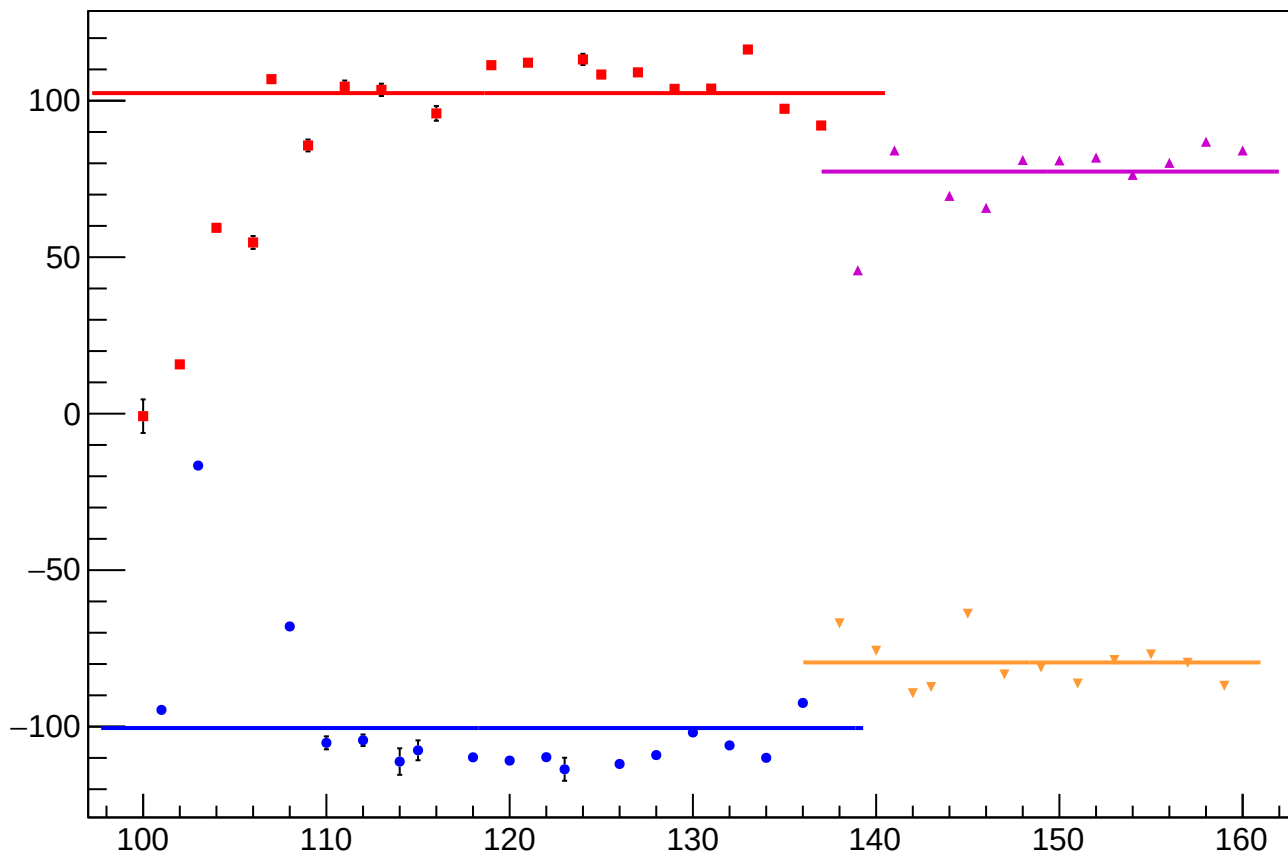
Left In: -18.269 ± 0.158 χ^2/NDF : 922.4/10

14.804 ± 0.149 χ^2/NDF : 4758.2/28

-1.395 ± 0.105 χ^2/NDF : 31535.5/58

-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: -79.496 ± 0.134 χ^2/NDF : 3262.3/11

Right Out: 102.431 ± 0.246 χ^2/NDF : 6094.3/18

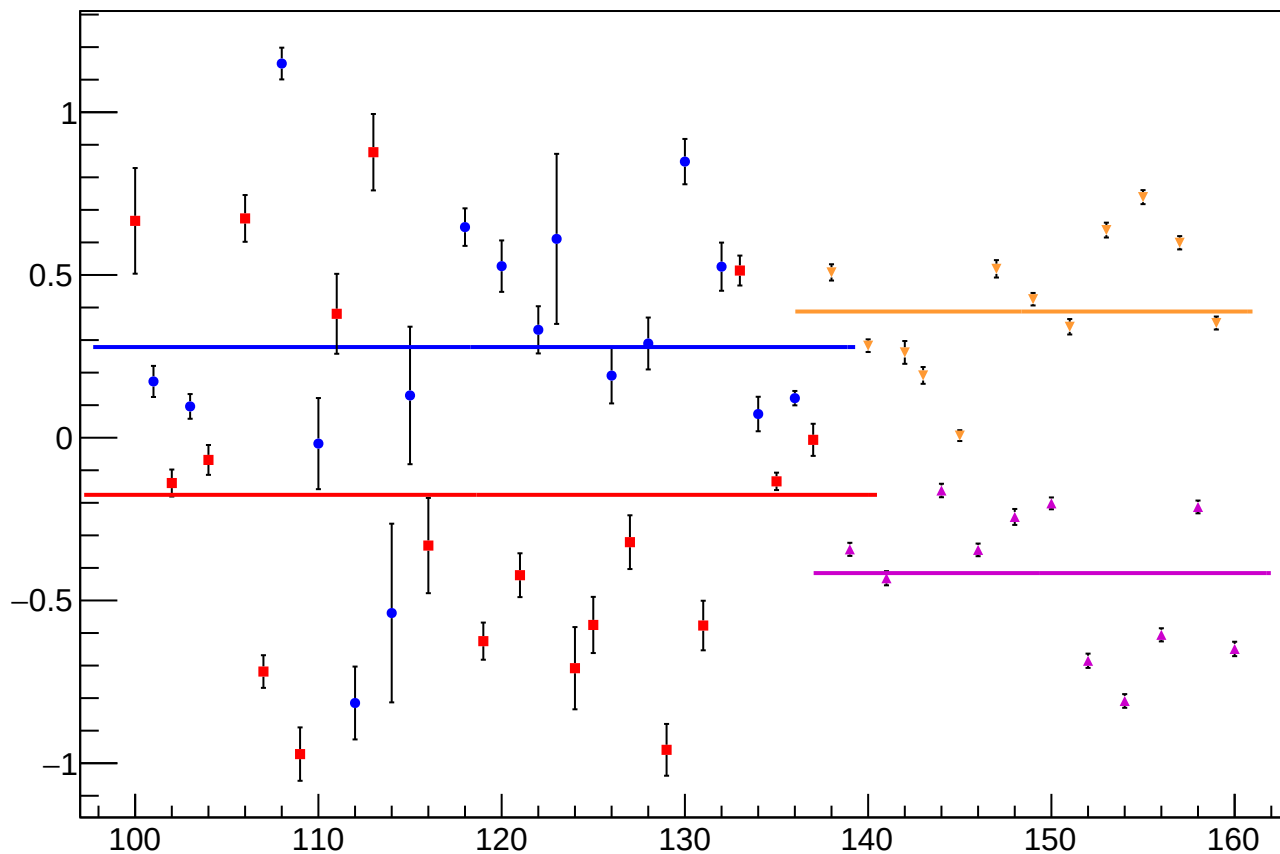
Left In: 77.354 ± 0.133 χ^2/NDF : 3980.3/10

-84.154 ± 0.118 χ^2/NDF : 13158.5/28

0.203 ± 0.083 χ^2/NDF : 1040734.0/58

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 $\pm$ 0.014 χ^2/NDF : 653.9/16

Left Out: 0.388 $\pm$ 0.006 χ^2/NDF : 1173.9/11

Right Out: -0.175 $\pm$ 0.013 χ^2/NDF : 967.7/18

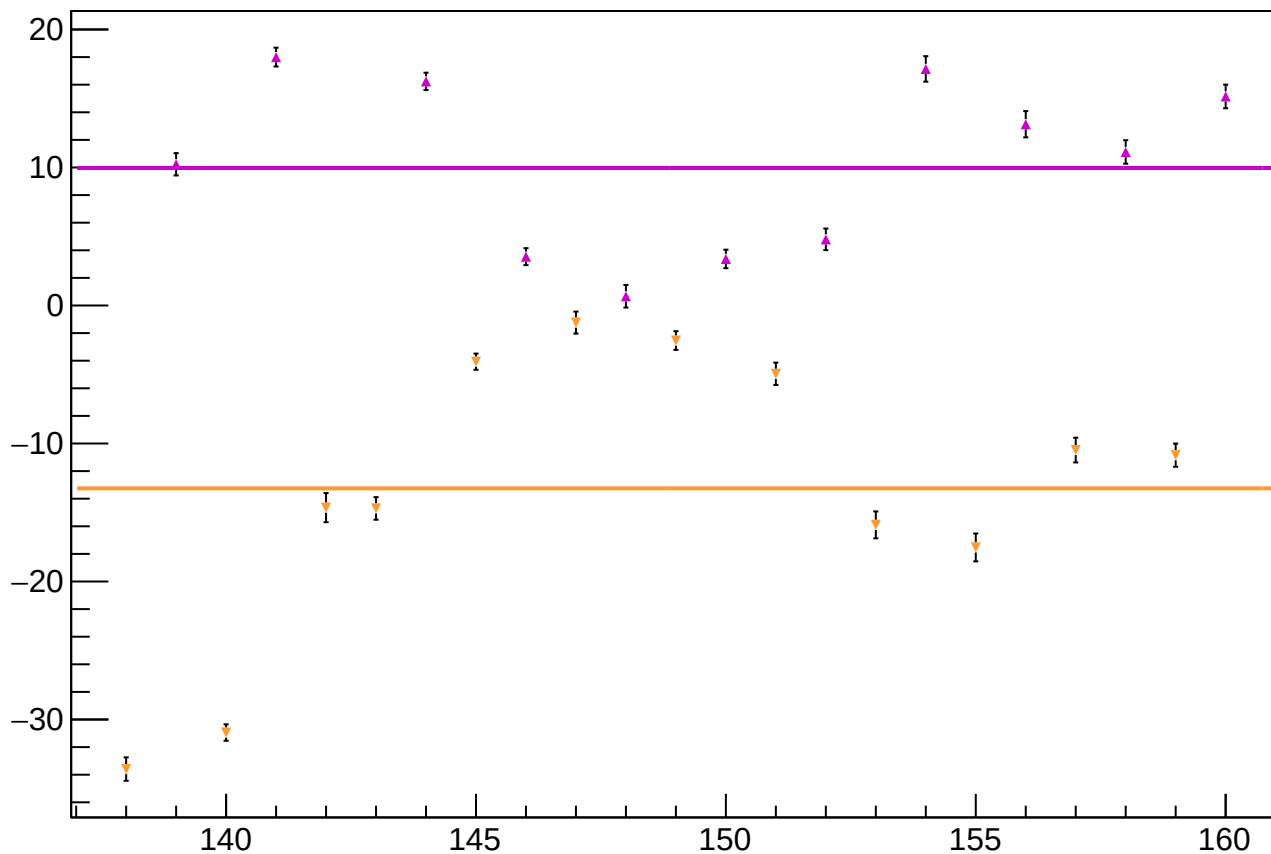
Left In: -0.416 $\pm$ 0.006 χ^2/NDF : 1169.1/10

0.368 $\pm$ 0.006 χ^2/NDF : 1881.4/28

-0.007 $\pm$ 0.004 χ^2/NDF : 12747.1/58

-0.373 $\pm$ 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: -13.252+/-0.227 χ^2/NDF : 2329.4/11

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

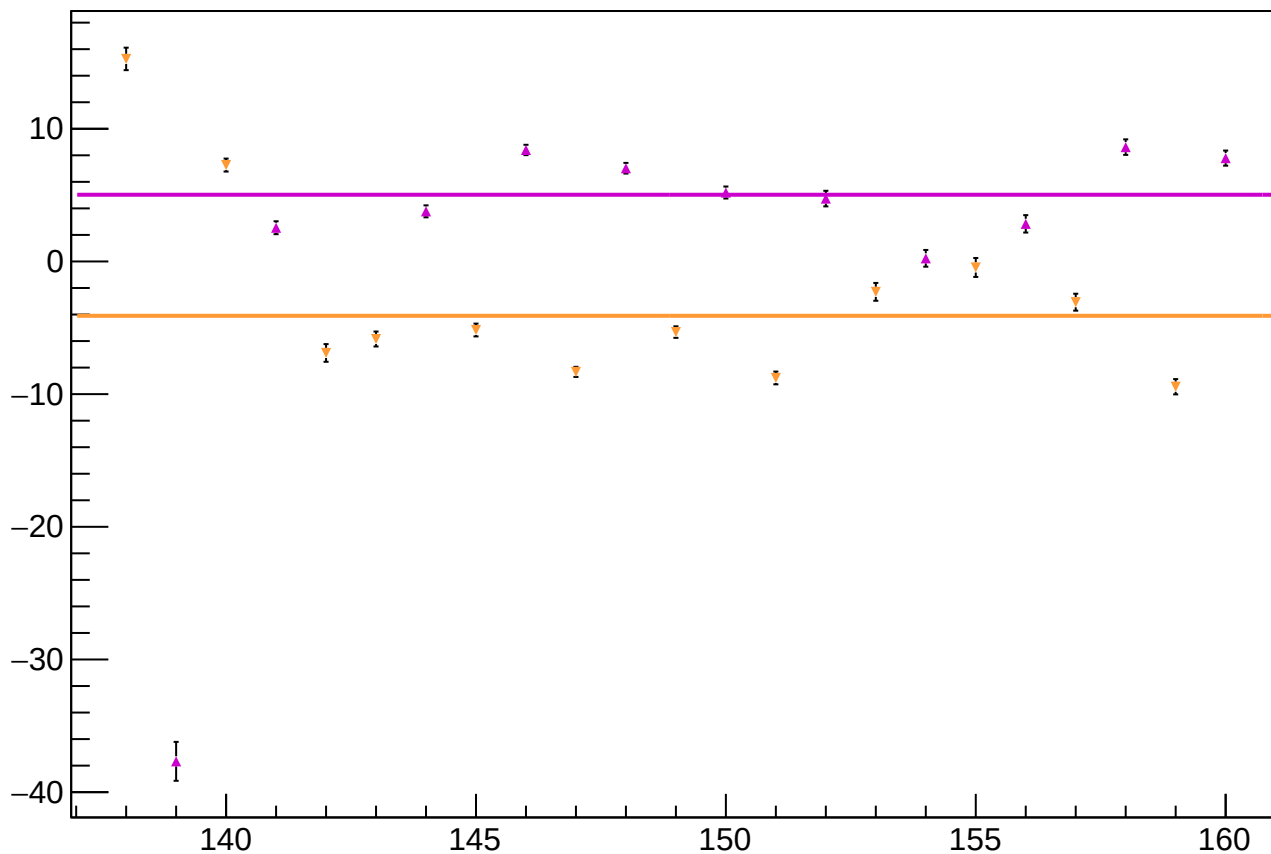
Left In: 9.965+/-0.228 χ^2/NDF : 726.7/10

-13.252+/-0.227 χ^2/NDF : 2329.4/11

-1.720+/-0.161 χ^2/NDF : 8265.6/22

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: -4.095+/-0.155 χ^2/NDF :1442.1/11

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

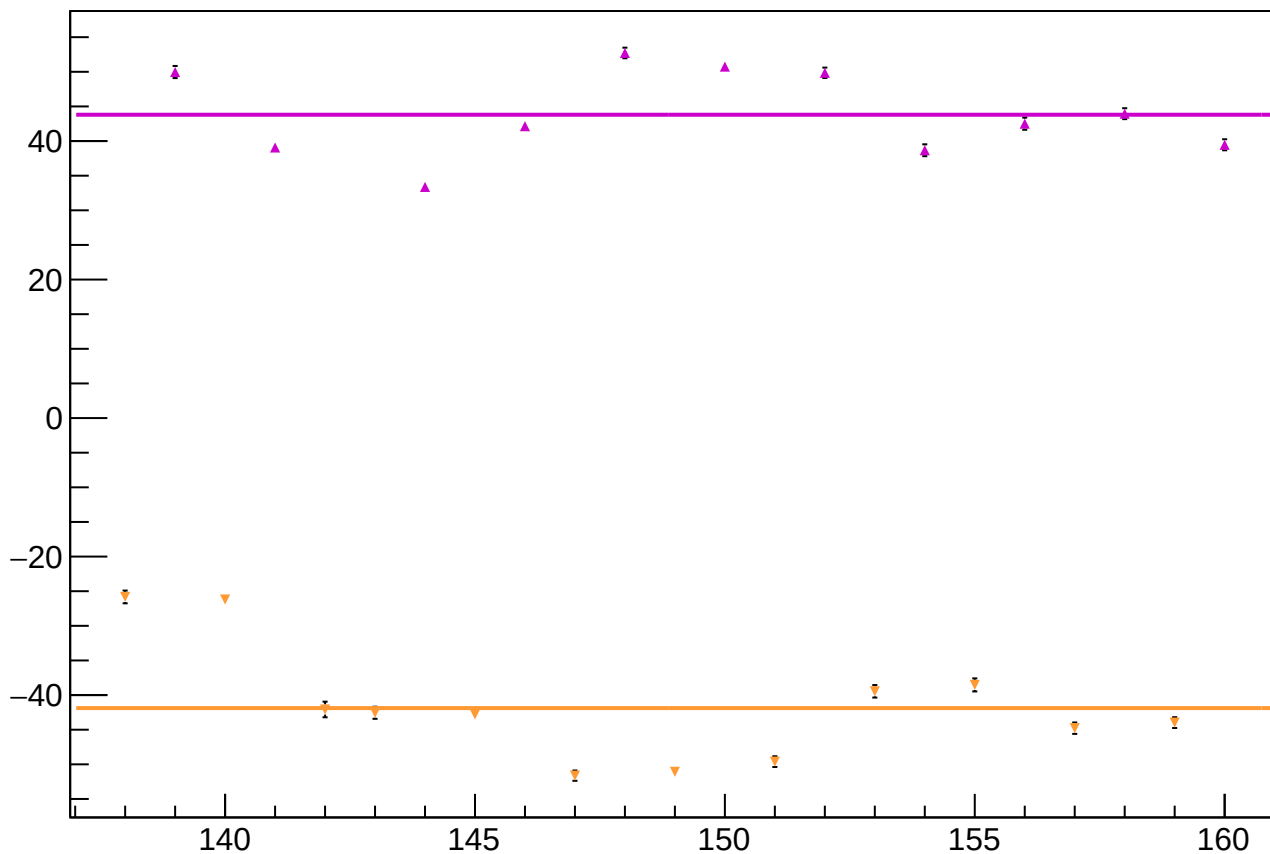
Left In: 5.028+/-0.156 χ^2/NDF :1111.9/10

-4.095+/-0.155 χ^2/NDF : 1442.1/11

0.446+/-0.110 χ^2/NDF : 4267.4/22

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: -41.877+/-0.225 χ^2/NDF : 1437.6/11

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

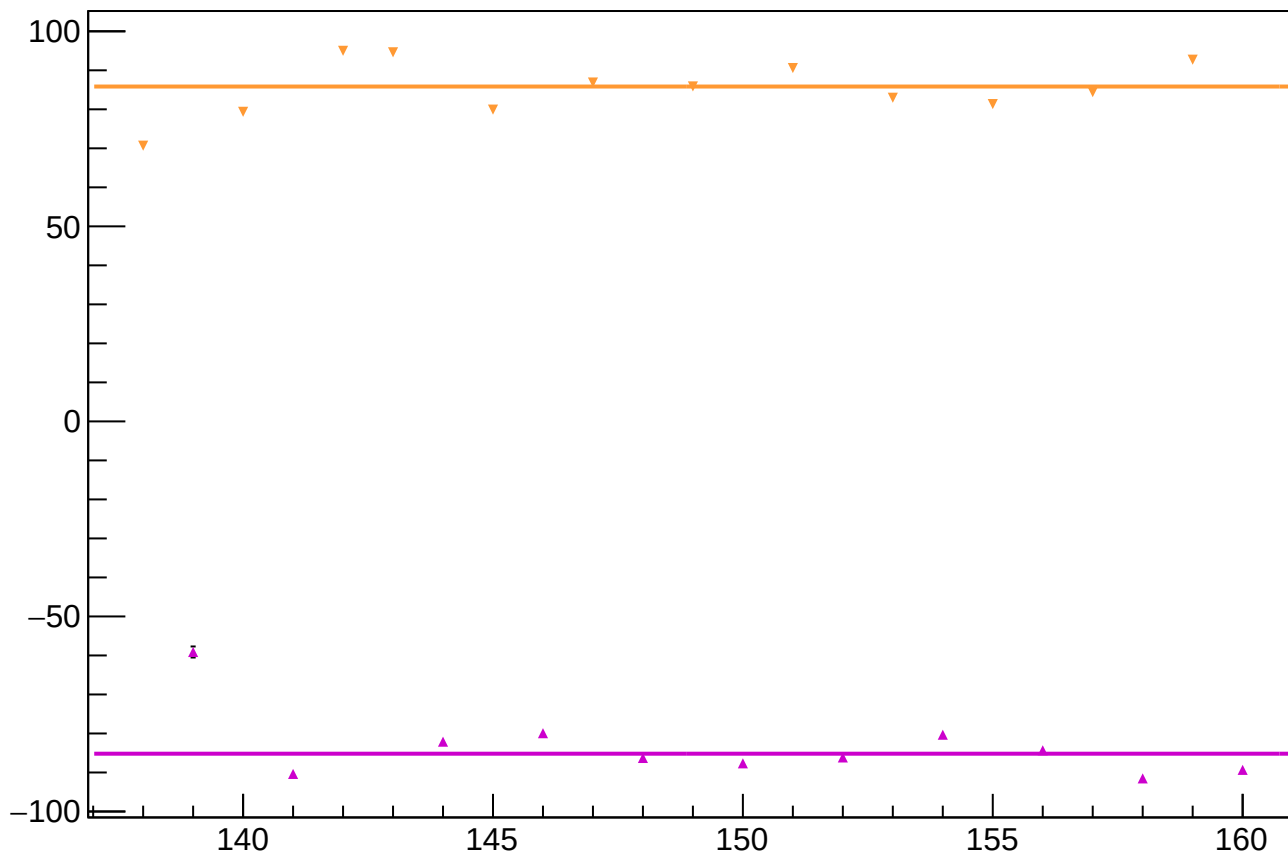
Left In: 43.800+/-0.223 χ^2/NDF : 729.7/10

-41.877+/-0.225 χ^2/NDF : 1437.6/11

1.340+/-0.158 χ^2/NDF : 75382.1/22

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: 85.841+/-0.187 χ^2/NDF : 1014.3/11

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

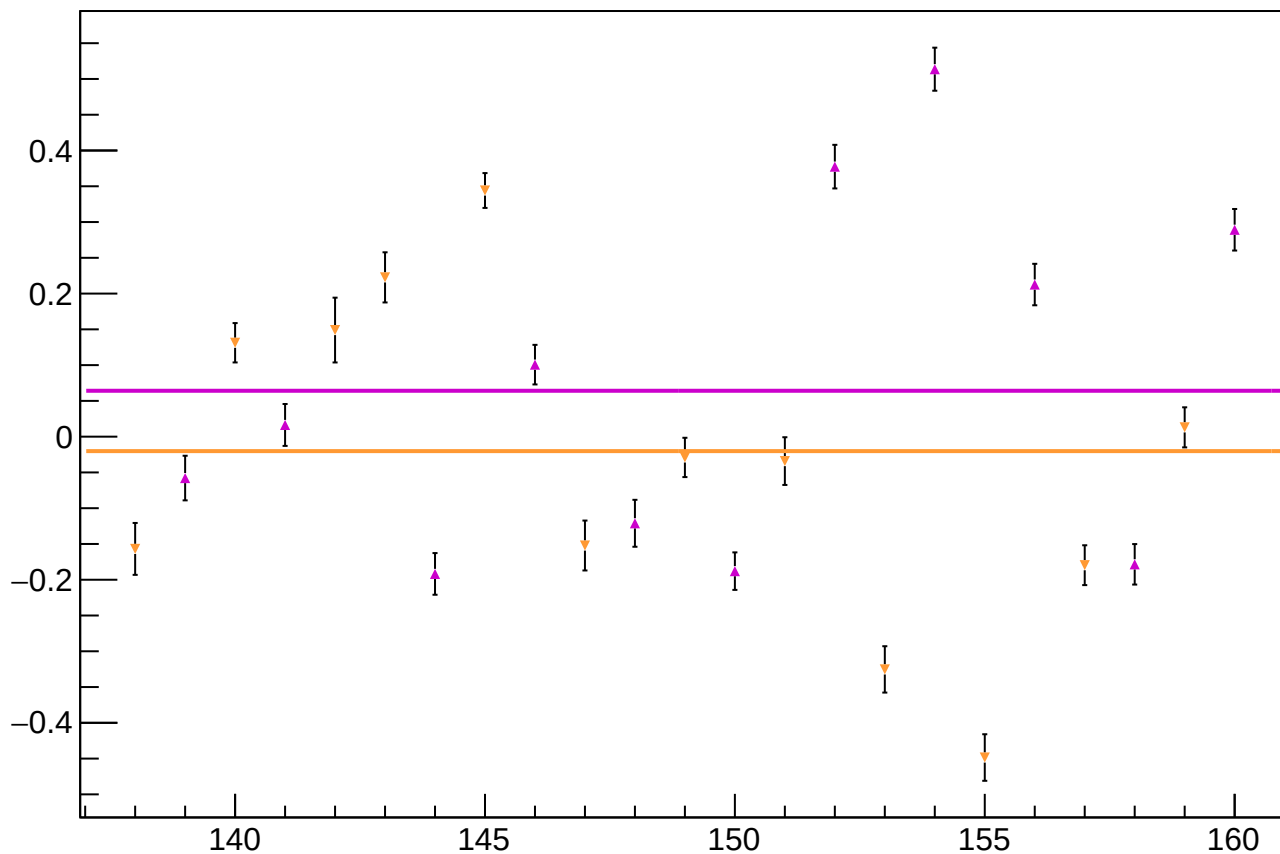
Left In: -85.186+/-0.186 χ^2/NDF : 793.4/10

85.841+/-0.187 χ^2/NDF : 1014.3/11

-0.285+/-0.132 χ^2/NDF : 422985.1/22

-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: -0.020+/-0.009 χ^2/NDF : 641.2/11

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

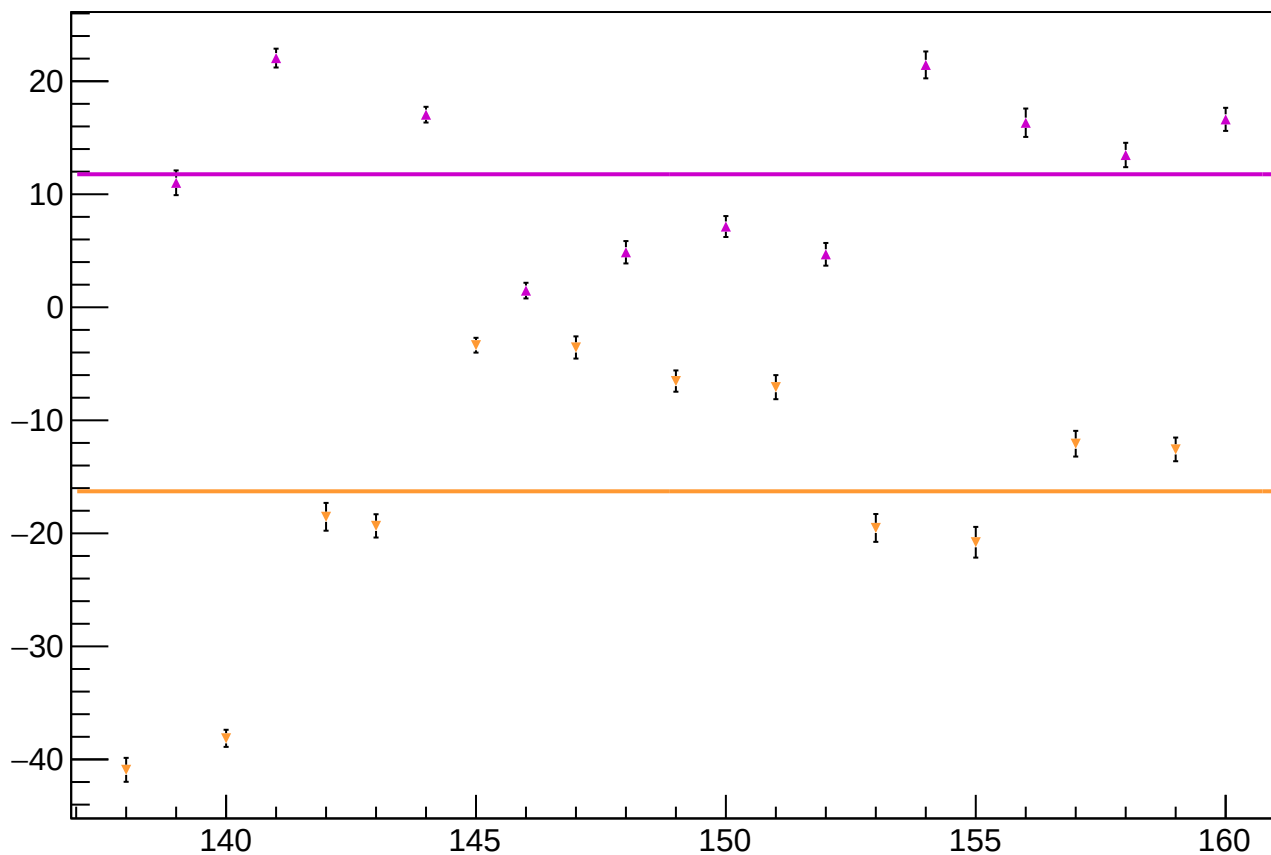
Left In: 0.064+/-0.009 χ^2/NDF : 710.0/10

-0.020+/-0.009 χ^2/NDF : 641.2/11

0.022+/-0.006 χ^2/NDF : 1396.5/22

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: -16.280+/-0.283 χ^2/NDF : 2171.7/11

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

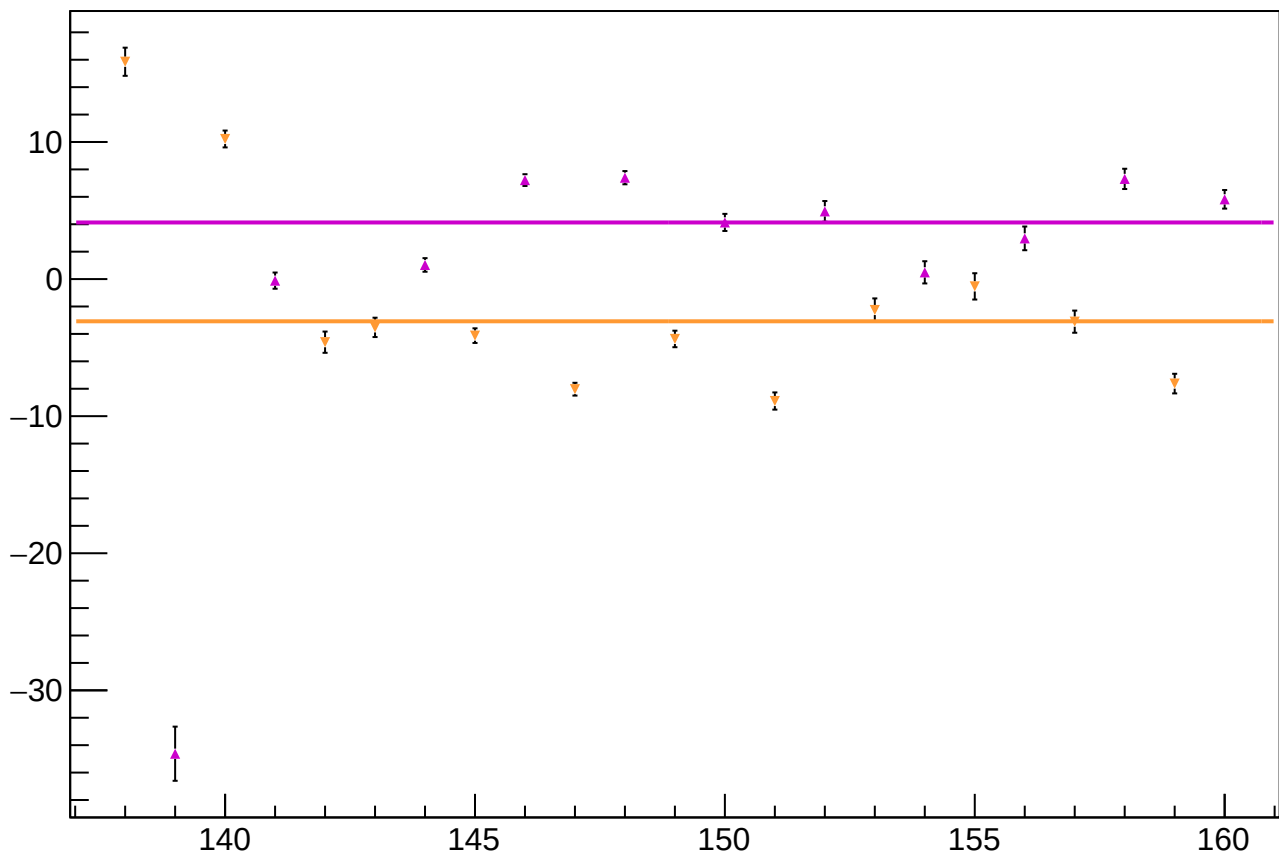
Left In: 11.769+/-0.280 χ^2/NDF : 659.0/10

-16.280+/-0.283 χ^2/NDF : 2171.7/11

-2.108+/-0.199 χ^2/NDF : 7802.4/22

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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -3.080+/-0.194 χ^2/NDF : 1067.8/11

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

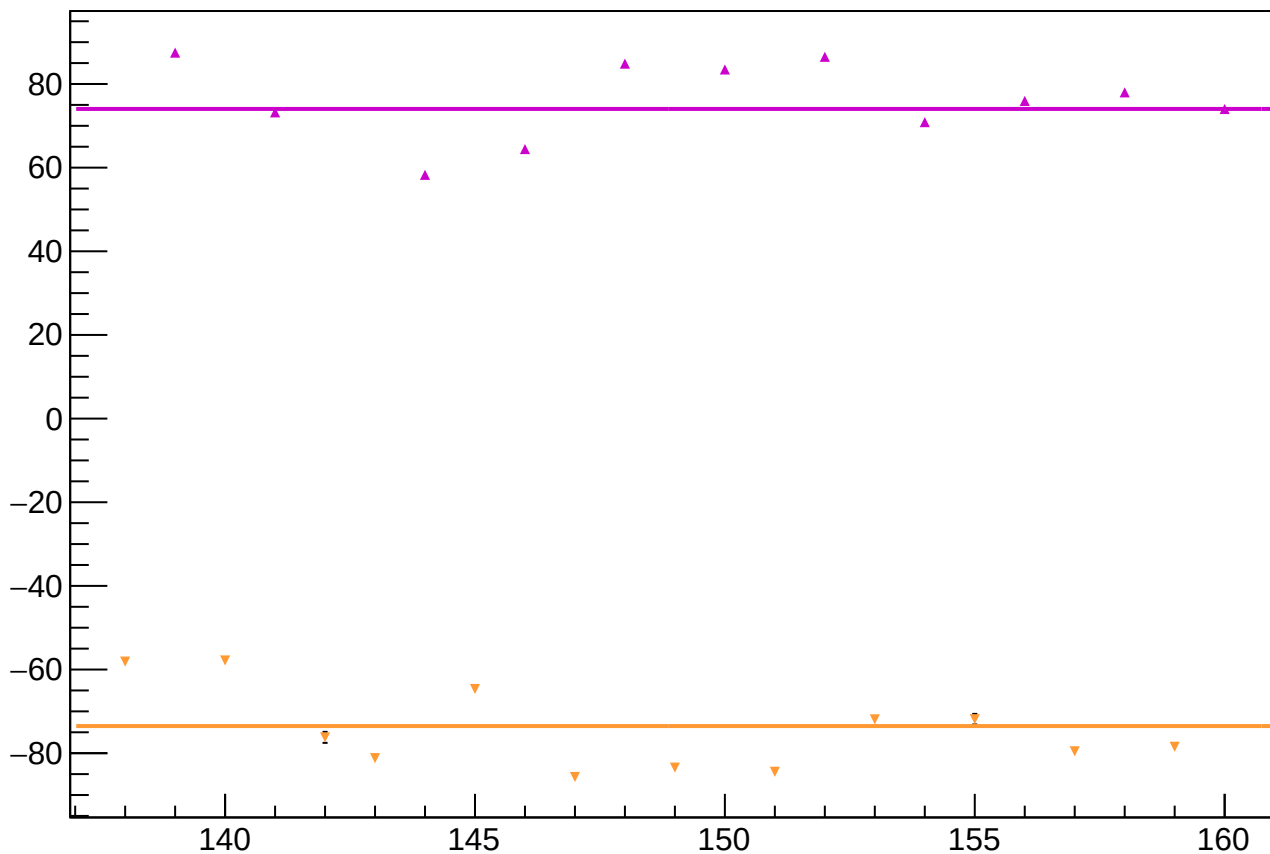
Left In: 4.129+/-0.189 χ^2/NDF : 621.0/10

-3.080+/-0.194 χ^2/NDF : 1067.8/11

0.623+/-0.135 χ^2/NDF : 2399.5/22

4.129+/-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: -73.513+/-0.282 χ^2/NDF :1256.7/11

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

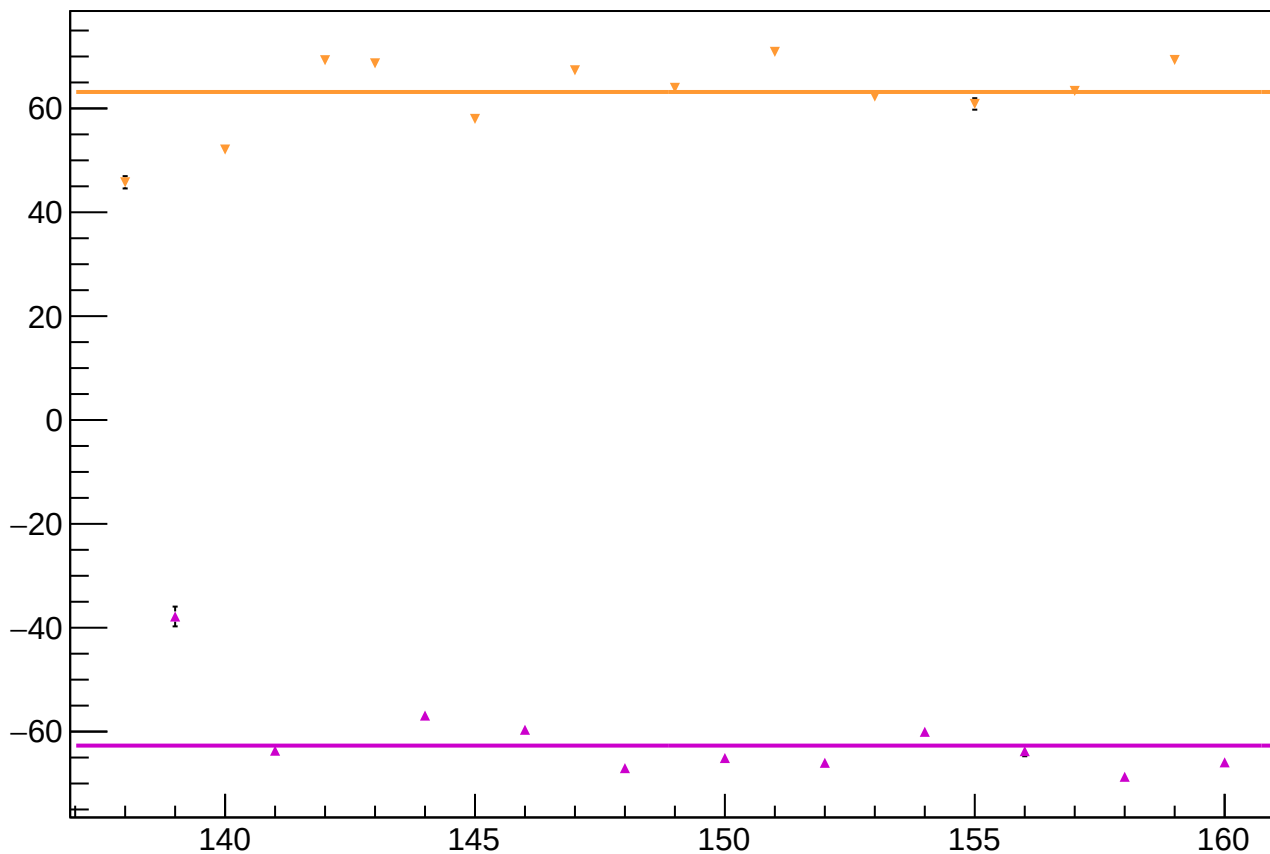
Left In: 74.036+/-0.274 χ^2/NDF :1236.4/10

-73.513+/-0.282 χ^2/NDF : 1256.7/11

2.325+/-0.197 χ^2/NDF : 143301.3/22

74.036+/-0.274 χ^2/NDF : 1236.4/10

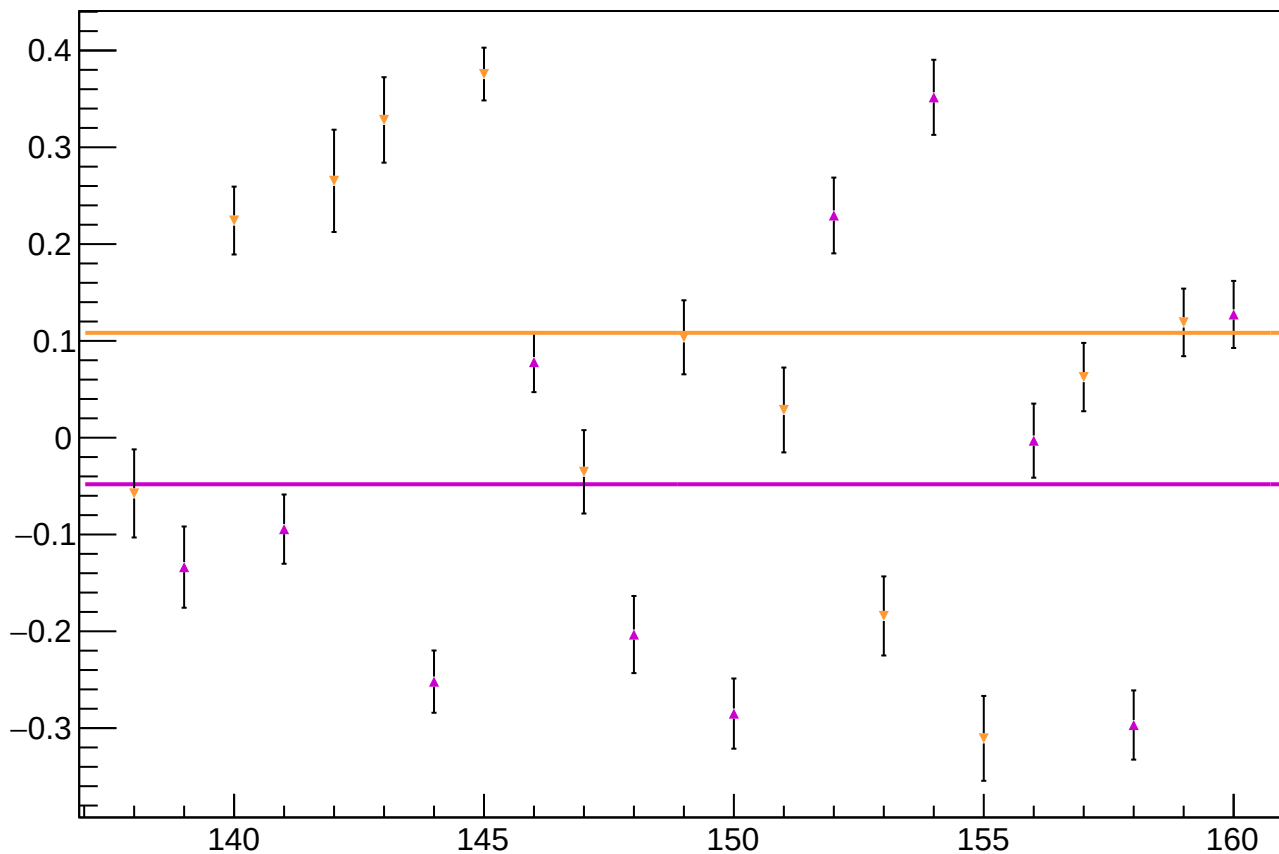
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 63.167+/-0.233 χ^2/NDF : 800.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -62.699+/-0.226 χ^2/NDF : 455.2/10

63.167+/-0.233 χ^2/NDF : 800.0/11
 -1.854+/-0.162 χ^2/NDF : 151408.1/22
 -62.699+/-0.226 χ^2/NDF : 455.2/10

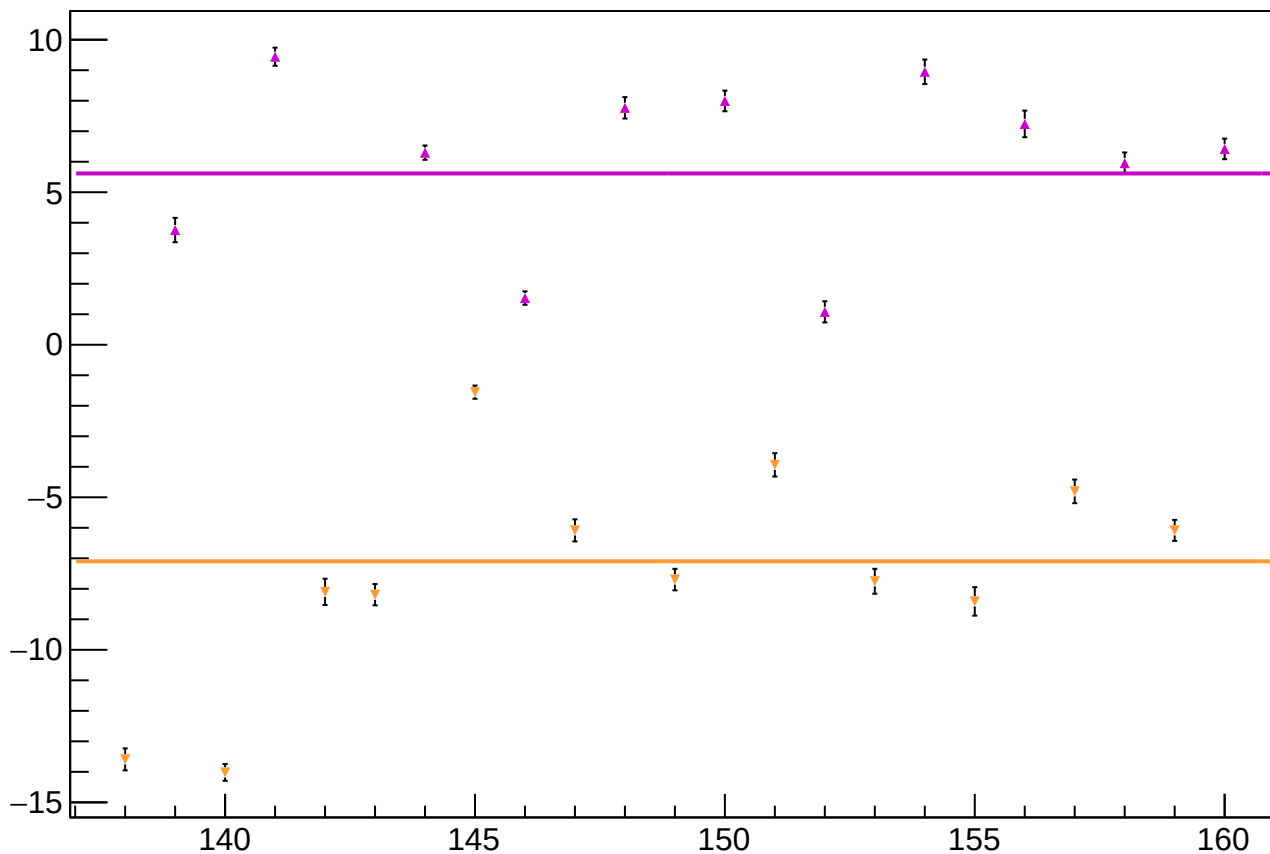
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 0.108 ± 0.011 $\chi^2/\text{NDF}: 312.9/11$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -0.048 ± 0.011 $\chi^2/\text{NDF}: 352.3/10$

0.108 ± 0.011 $\chi^2/\text{NDF}: 312.9/11$
 0.028 ± 0.008 $\chi^2/\text{NDF}: 765.3/22$
 -0.048 ± 0.011 $\chi^2/\text{NDF}: 352.3/10$

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: -7.099+/-0.098 χ^2/NDF : 1758.4/11

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

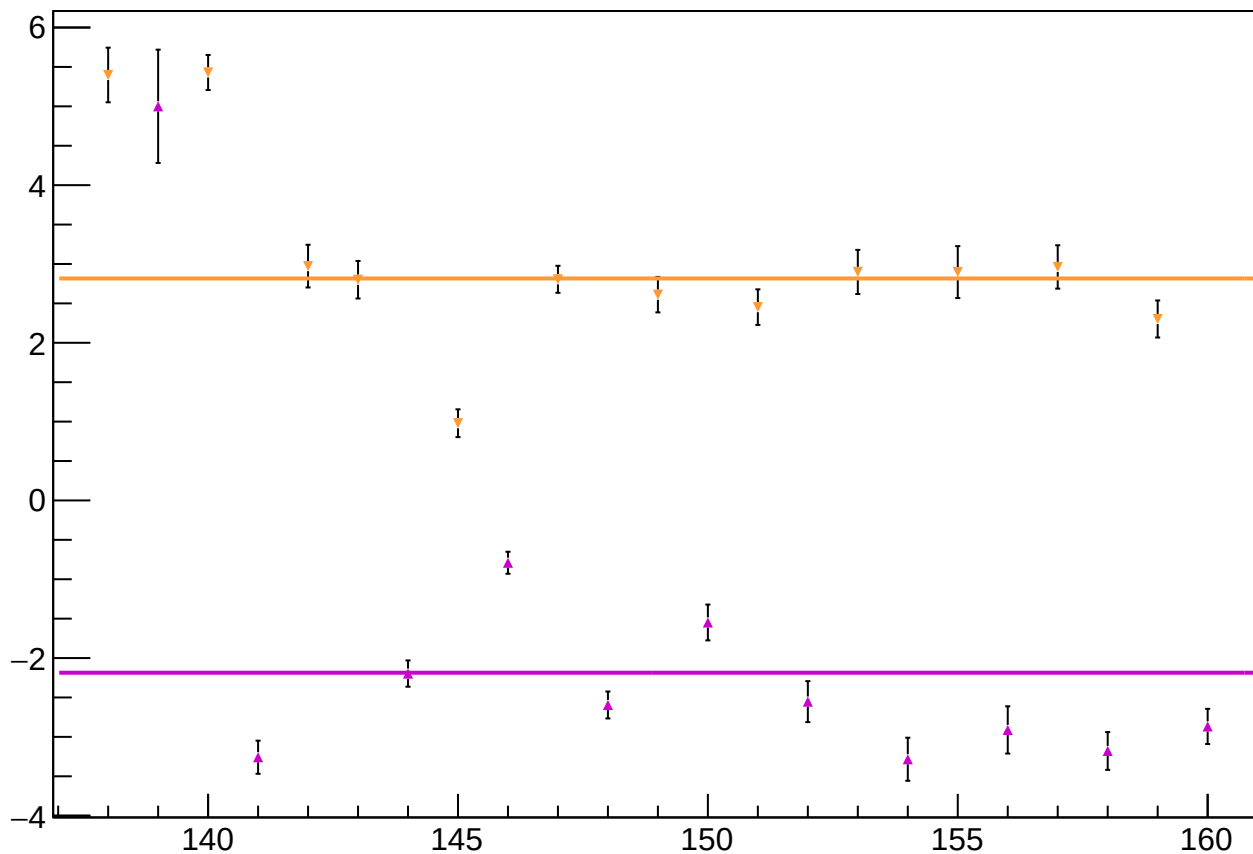
Left In: 5.616+/-0.095 χ^2/NDF : 885.1/10

-7.099+/-0.098 χ^2/NDF : 1758.4/11

-0.563+/-0.068 χ^2/NDF : 11274.8/22

5.616+/-0.095 χ^2/NDF : 885.1/10

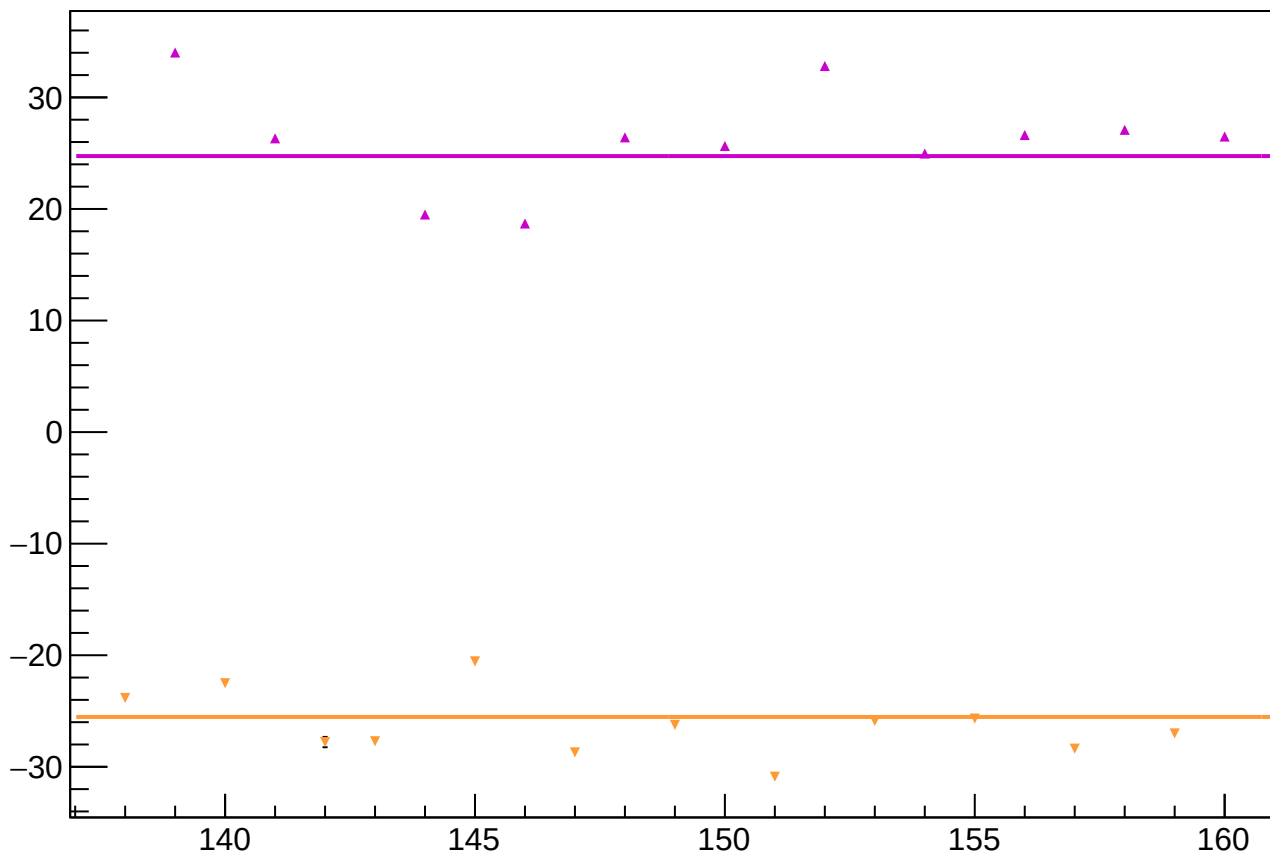
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.816+/-0.068 χ^2/NDF : 311.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.186+/-0.064 χ^2/NDF : 290.0/10

2.816+/-0.068 χ^2/NDF : 311.2/11
 0.188+/-0.047 χ^2/NDF : 3476.8/22
 -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 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -25.530 $\pm$ 0.098 χ^2/NDF : 1042.1/11

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

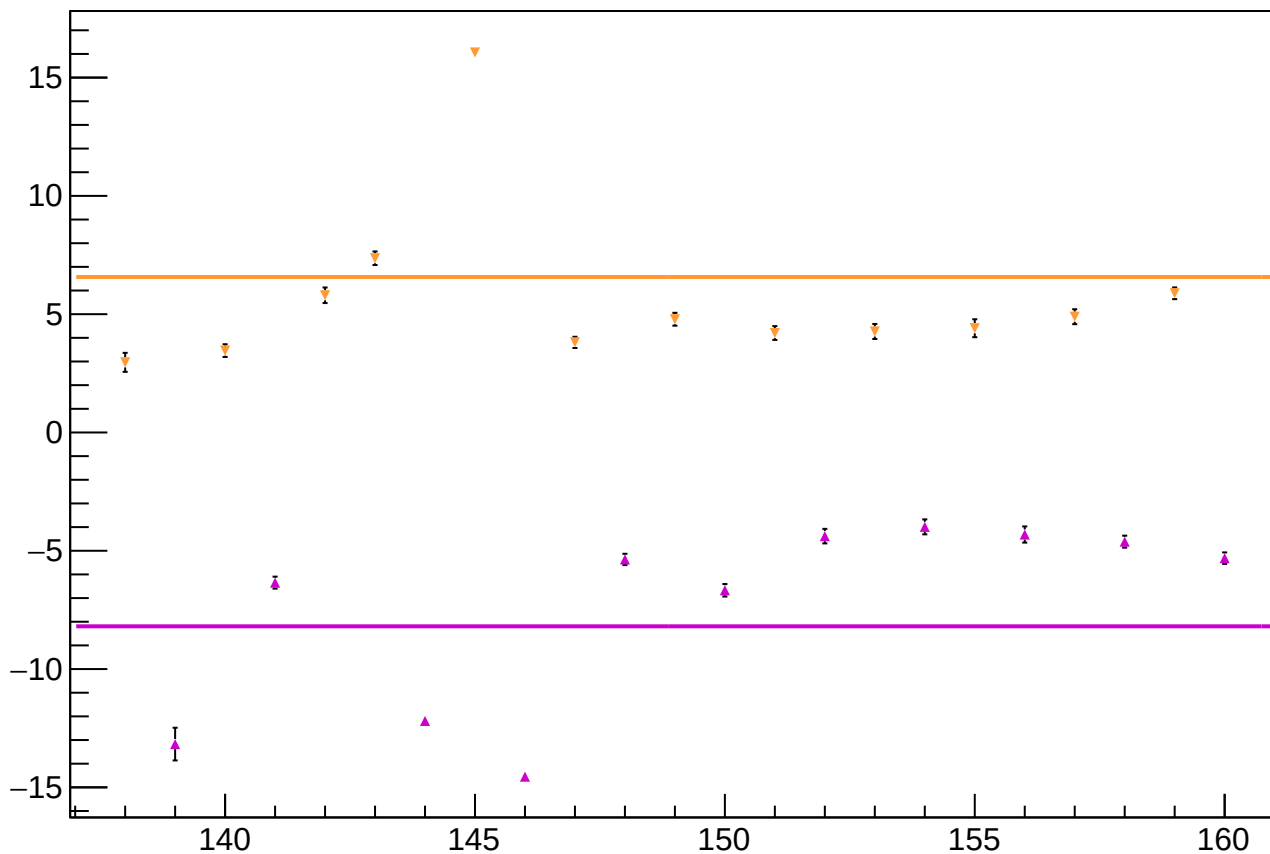
Left In: 24.740 $\pm$ 0.093 χ^2/NDF : 2462.0/10

-25.530 $\pm$ 0.098 χ^2/NDF : 1042.1/11

0.811 $\pm$ 0.068 χ^2/NDF : 141483.8/22

24.740 $\pm$ 0.093 χ^2/NDF : 2462.0/10

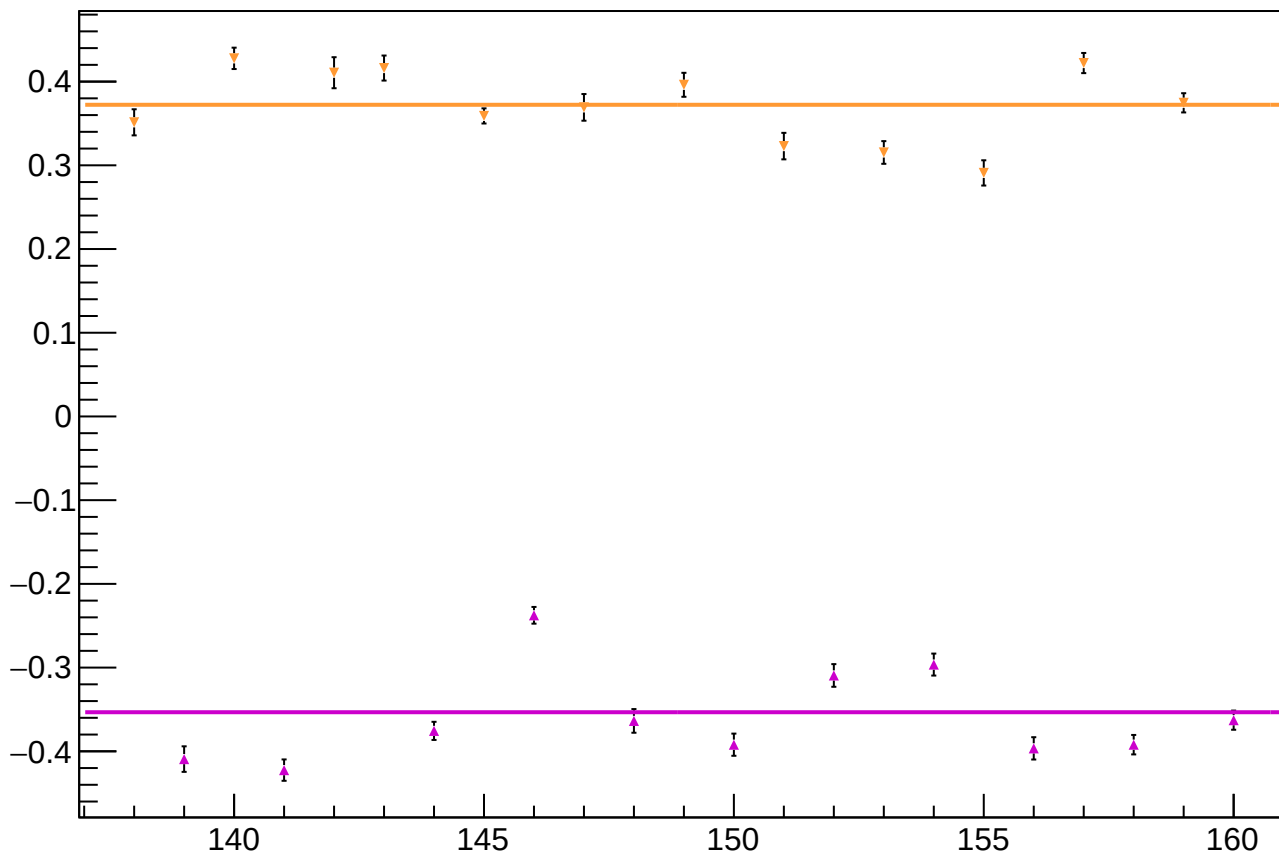
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.571+/-0.081 χ^2/NDF :2774.9/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.194+/-0.077 χ^2/NDF :2806.0/10

6.571+/-0.081 χ^2/NDF : 2774.9/11
 -1.214+/-0.056 χ^2/NDF : 23033.7/22
 -8.194+/-0.077 χ^2/NDF : 2806.0/10

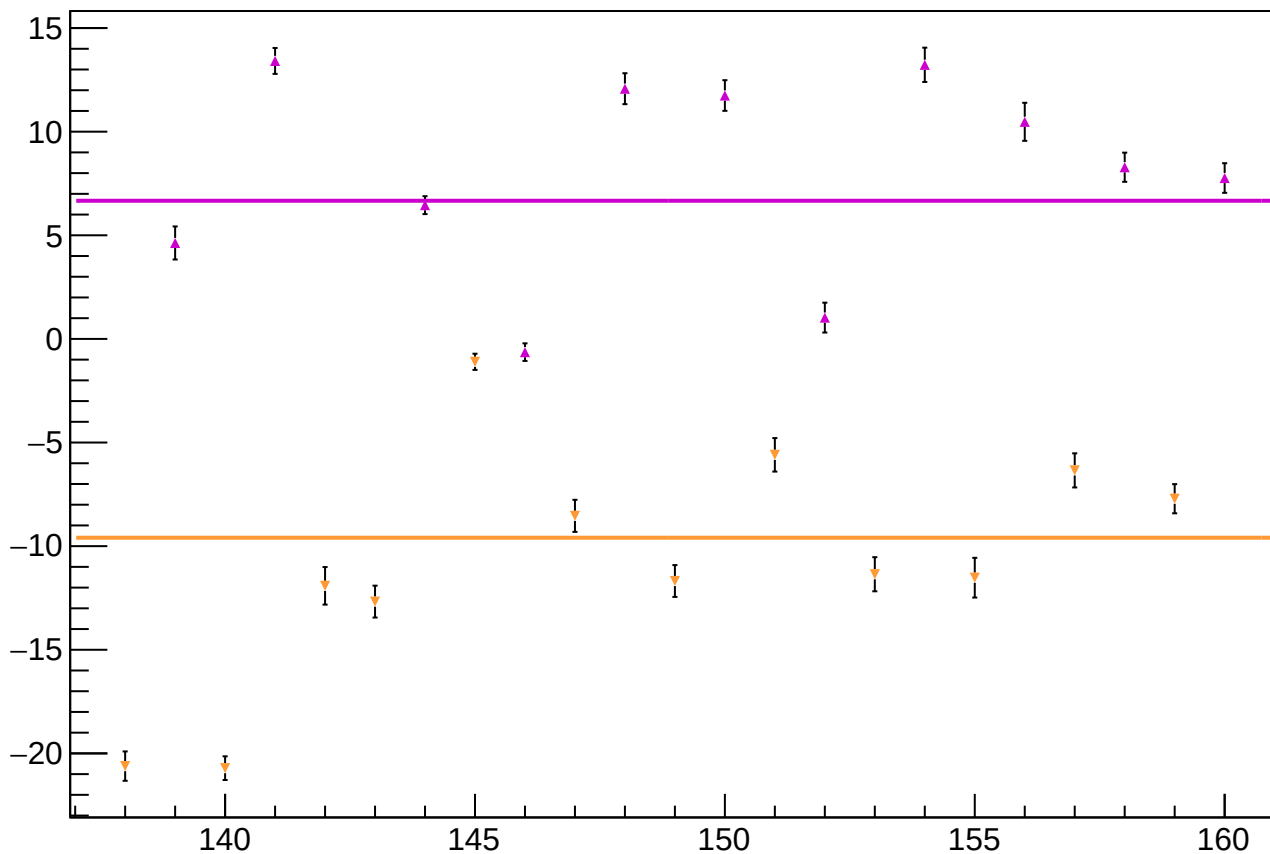
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.372 $\pm$ 0.004 χ^2 /NDF:112.3/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.353 $\pm$ 0.004 χ^2 /NDF:242.2/10

0.372 $\pm$ 0.004 χ^2 /NDF: 112.3/11
 -0.003 $\pm$ 0.003 χ^2 /NDF: 18581.0/22
 -0.353 $\pm$ 0.004 χ^2 /NDF: 242.2/10

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: -9.593+/-0.198 χ^2/NDF : 1181.8/11

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

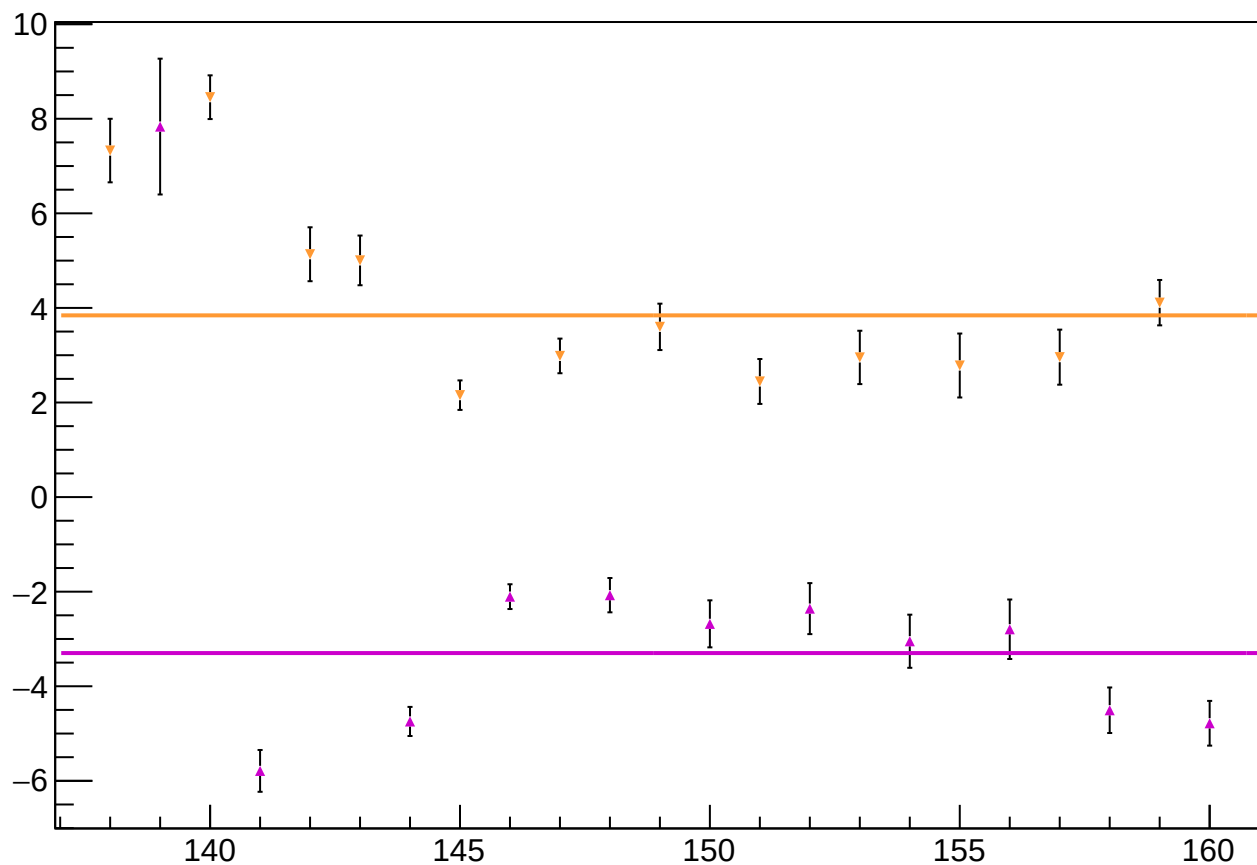
Left In: 6.666+/-0.192 χ^2/NDF : 668.3/10

-9.593+/-0.198 χ^2/NDF : 1181.8/11

-1.195+/-0.138 χ^2/NDF : 5330.1/22

6.666+/-0.192 χ^2/NDF : 668.3/10

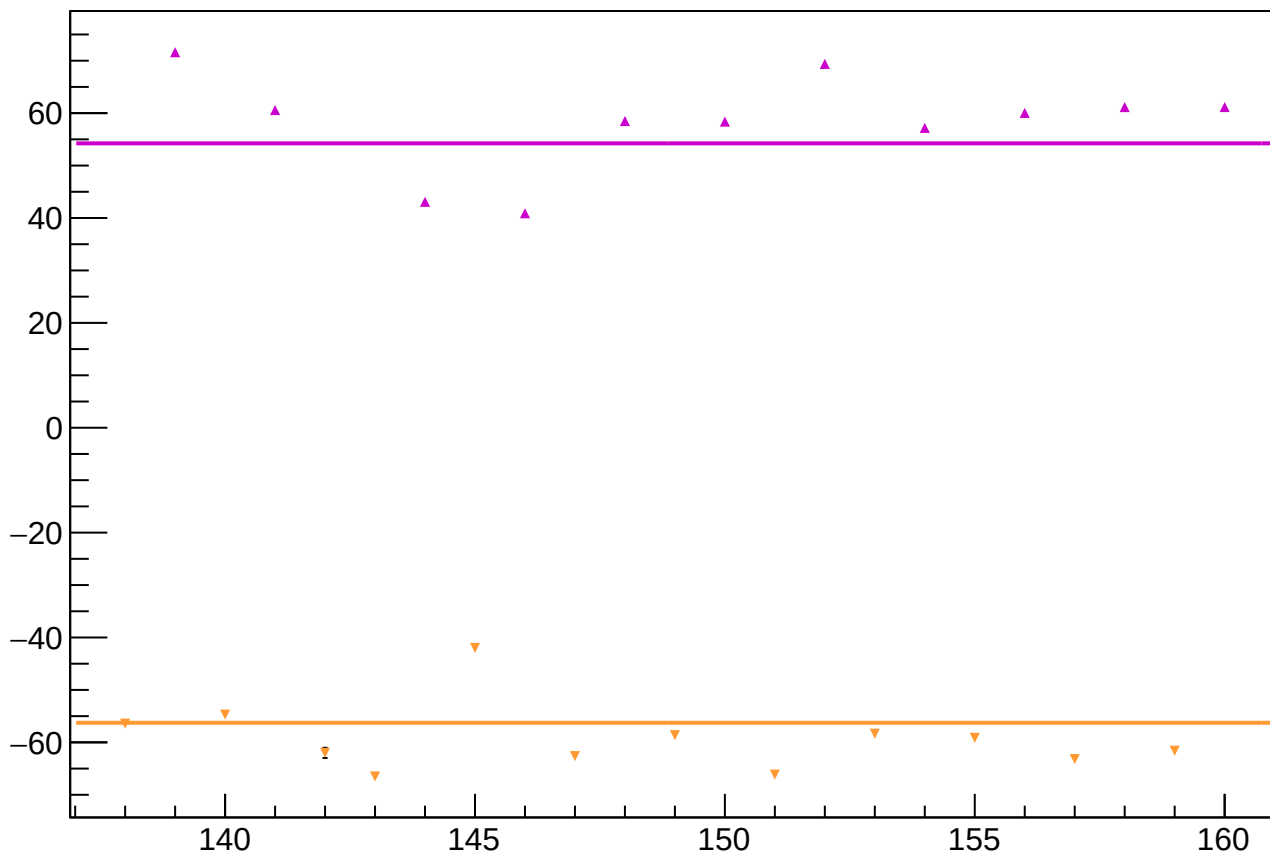
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.843+/-0.138 χ^2/NDF :187.7/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.298+/-0.129 χ^2/NDF :167.7/10

3.843+/-0.138 χ^2/NDF : 187.7/11
 0.027+/-0.094 χ^2/NDF : 1786.8/22
 -3.298+/-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: -56.262+/-0.199 χ^2 /NDF:1793.6/11

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

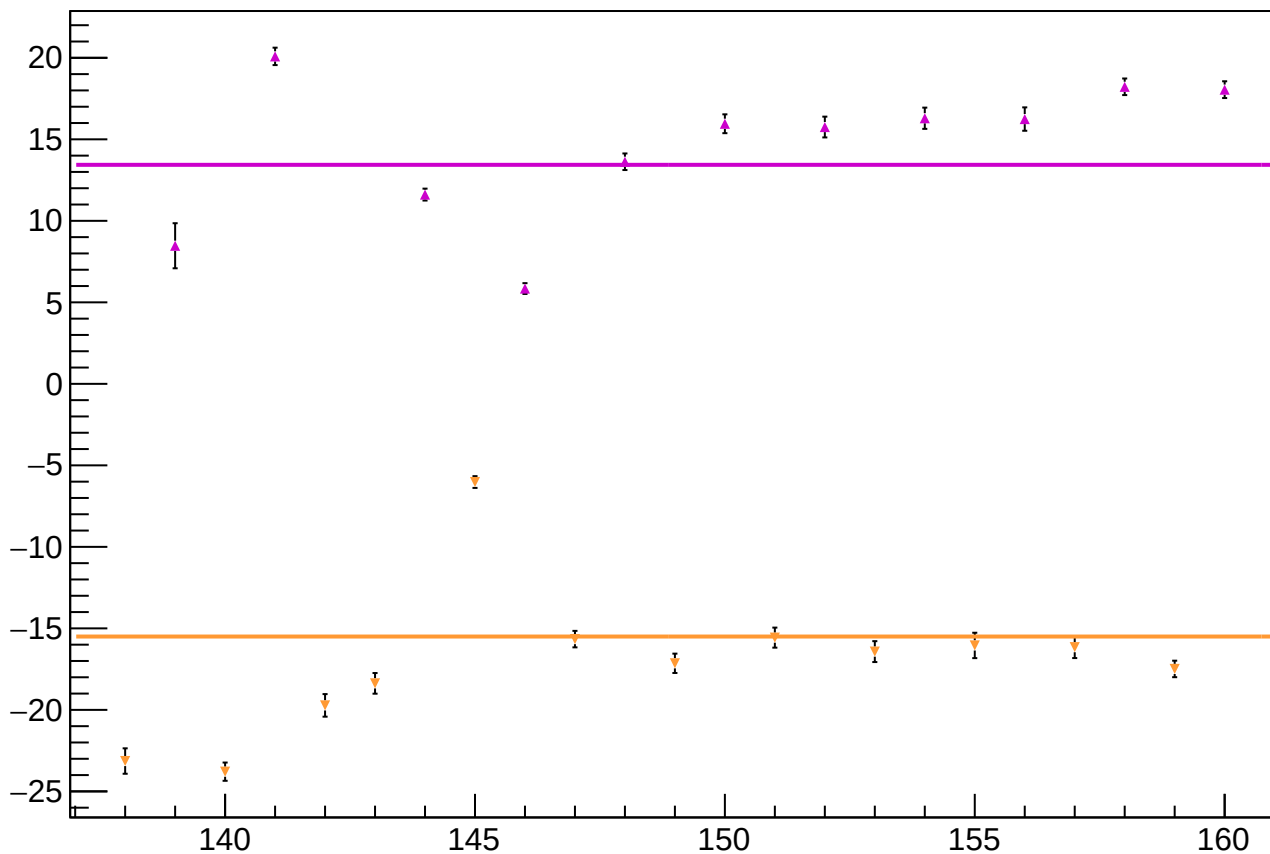
Left In: 54.236+/-0.188 χ^2 /NDF:2983.7/10

-56.262+/-0.199 χ^2 /NDF: 1793.6/11

2.010+/-0.137 χ^2 /NDF: 167681.9/22

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: -15.501 ± 0.165 χ^2/NDF : 1089.3/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

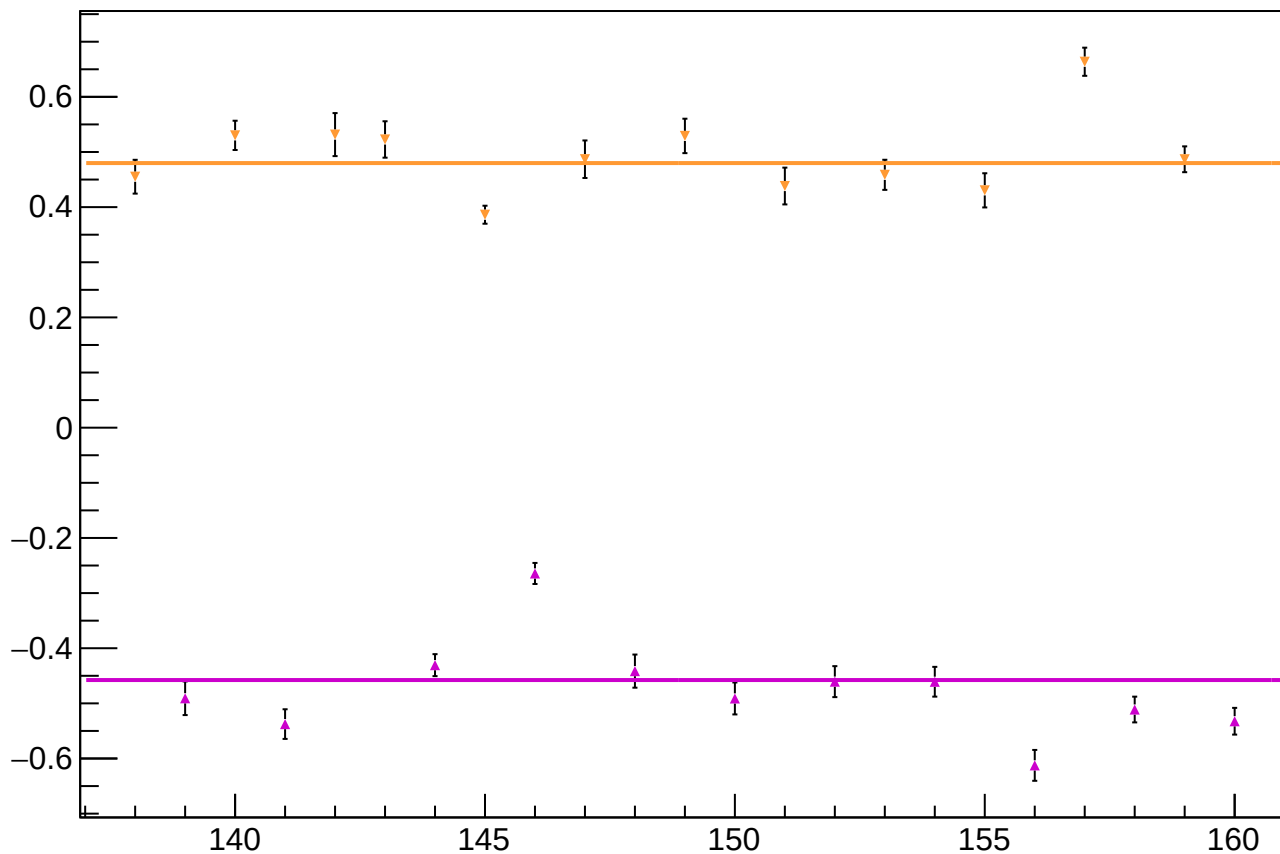
Left In: 13.435 ± 0.154 χ^2/NDF : 954.5/10

-15.501 ± 0.165 χ^2/NDF : 1089.3/11

-0.072 ± 0.113 χ^2/NDF : 18433.8/22

13.435 ± 0.154 χ^2/NDF : 954.5/10

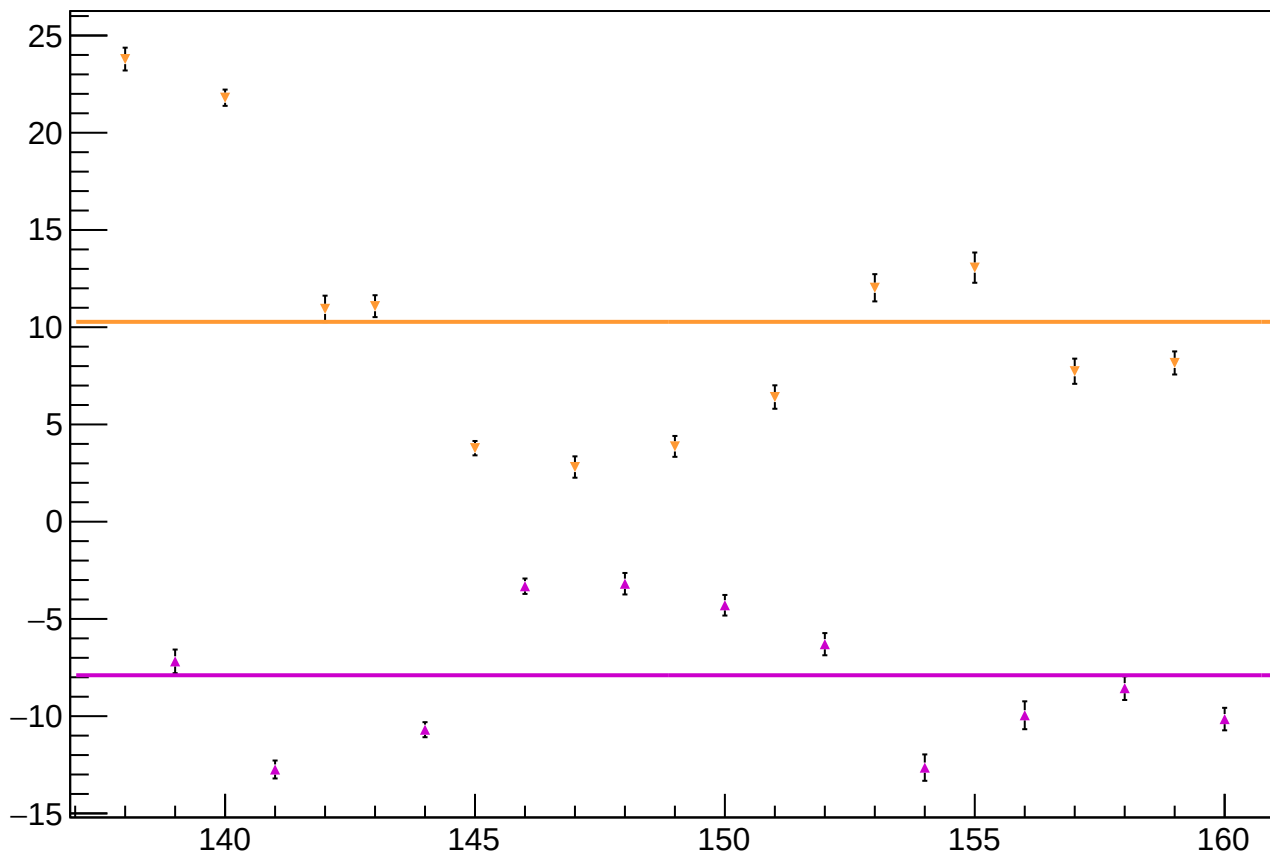
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.480 $\pm$ 0.008 χ^2/NDF :99.8/11
 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 $\pm$ 0.008 χ^2/NDF : 99.8/11
 -0.005 $\pm$ 0.005 χ^2/NDF : 7685.2/22
 -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: 10.277+/-0.159 χ^2/NDF : 2017.0/11

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

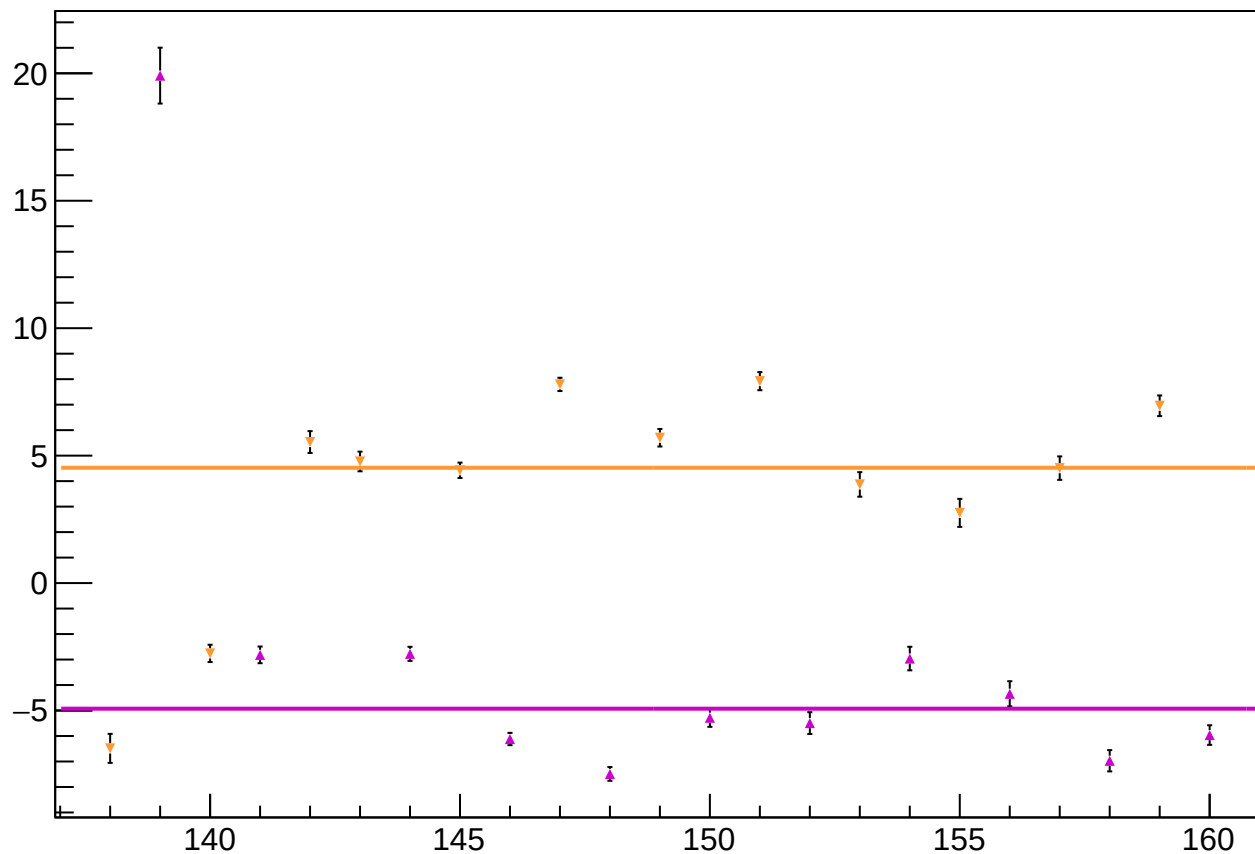
Left In: -7.896+/-0.158 χ^2/NDF : 498.2/10

10.277+/-0.159 χ^2/NDF : 2017.0/11

1.136+/-0.112 χ^2/NDF : 9112.8/22

-7.896+/-0.158 χ^2/NDF : 498.2/10

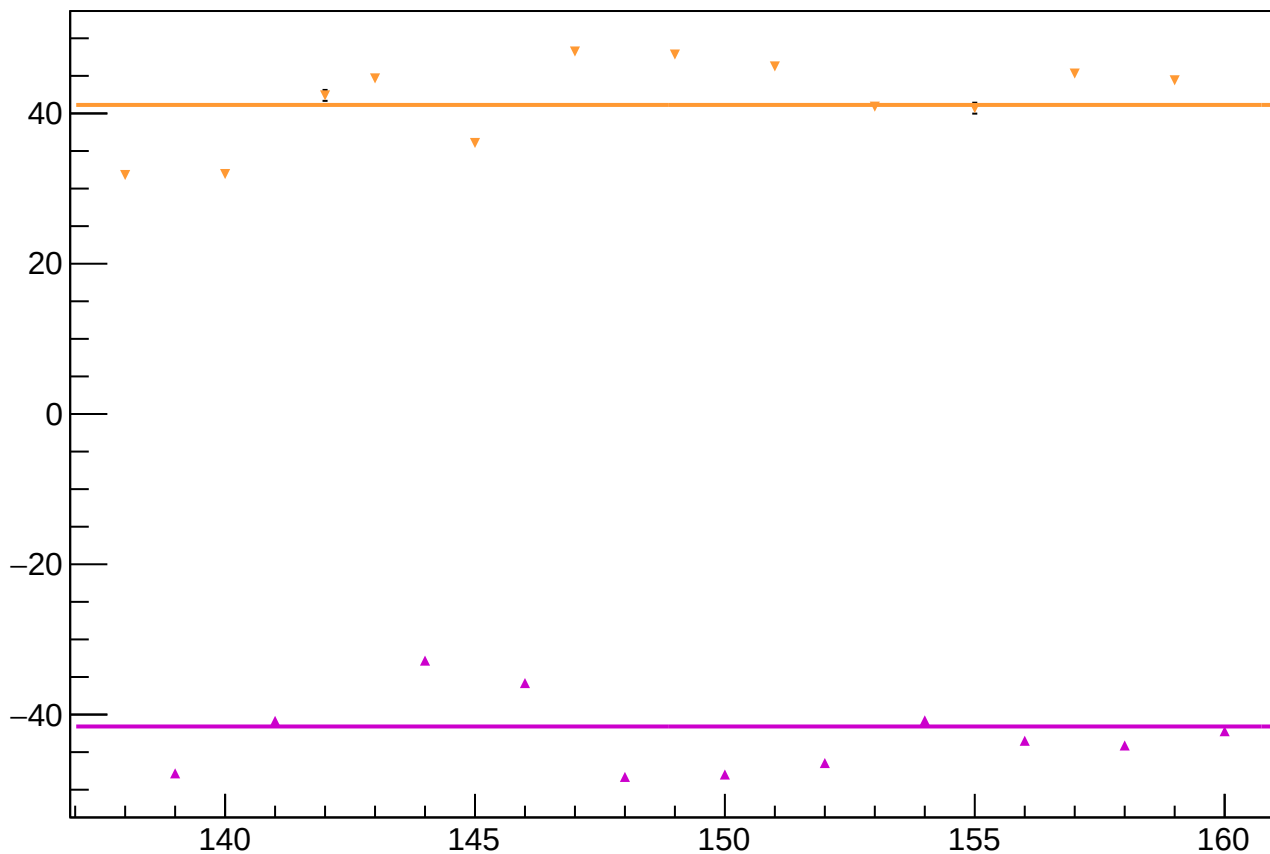
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.524+/-0.109 χ^2/NDF : 1149.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.928+/-0.106 χ^2/NDF : 783.7/10

4.524+/-0.109 χ^2/NDF : 1149.2/11
 -0.321+/-0.076 χ^2/NDF : 5803.9/22
 -4.928+/-0.106 χ^2/NDF : 783.7/10

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 41.132 ± 0.158 χ^2/NDF : 1380.6/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

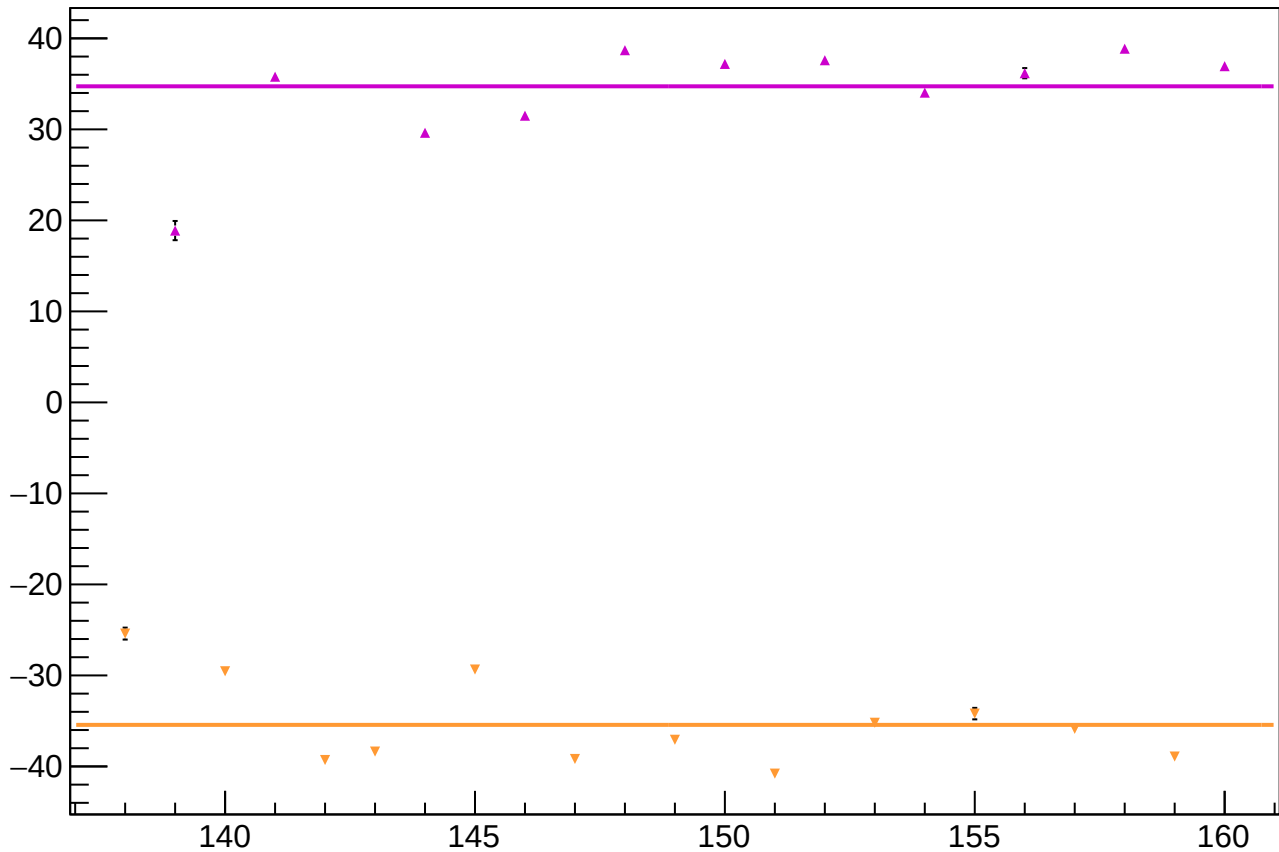
Left In: -41.586 ± 0.155 χ^2/NDF : 1216.4/10

41.132 ± 0.158 χ^2/NDF : 1380.6/11

-1.210 ± 0.111 χ^2/NDF : 142147.0/22

-41.586 ± 0.155 χ^2/NDF : 1216.4/10

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: -35.433+/-0.131 χ^2/NDF : 1174.4/11

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

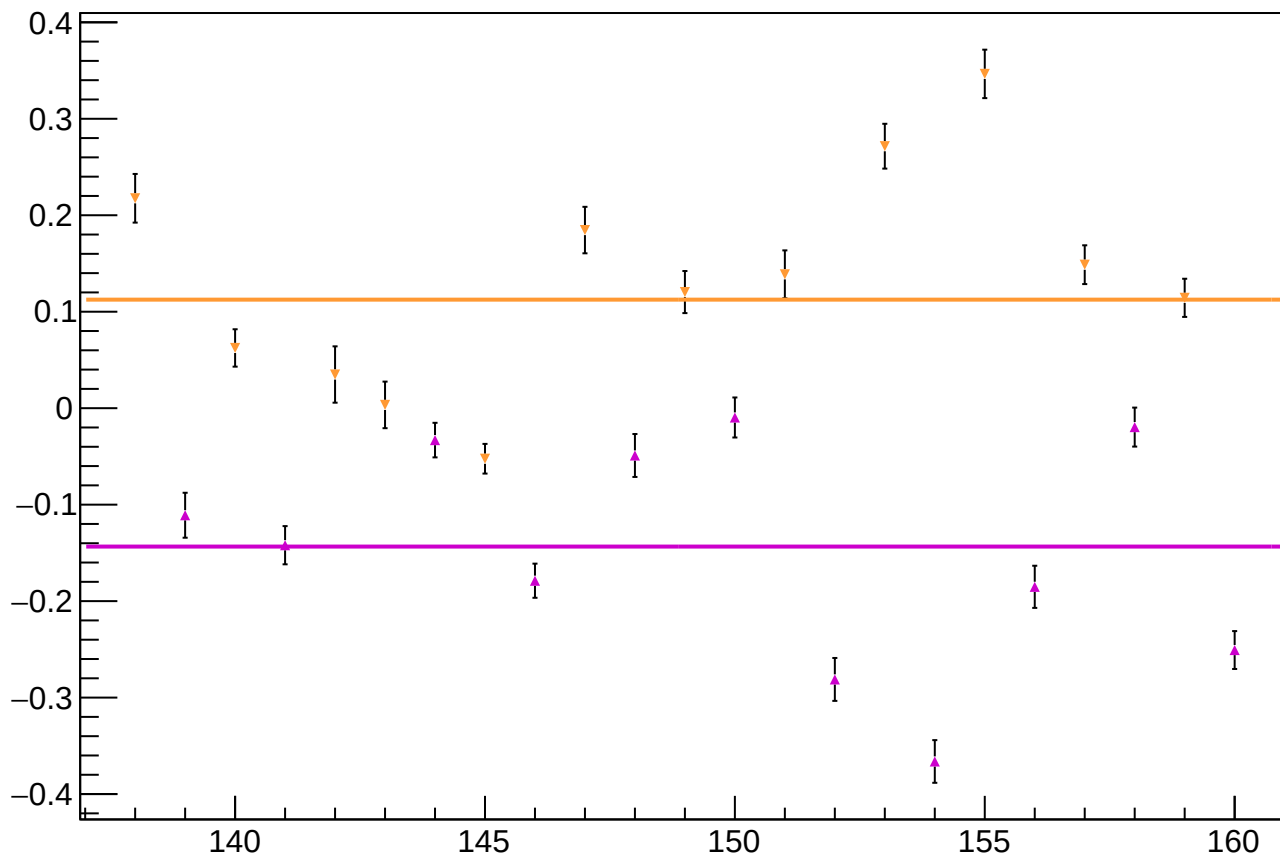
Left In: 34.731+/-0.127 χ^2/NDF : 891.2/10

-35.433+/-0.131 χ^2/NDF : 1174.4/11

0.707+/-0.091 χ^2/NDF : 149533.1/22

34.731+/-0.127 χ^2/NDF : 891.2/10

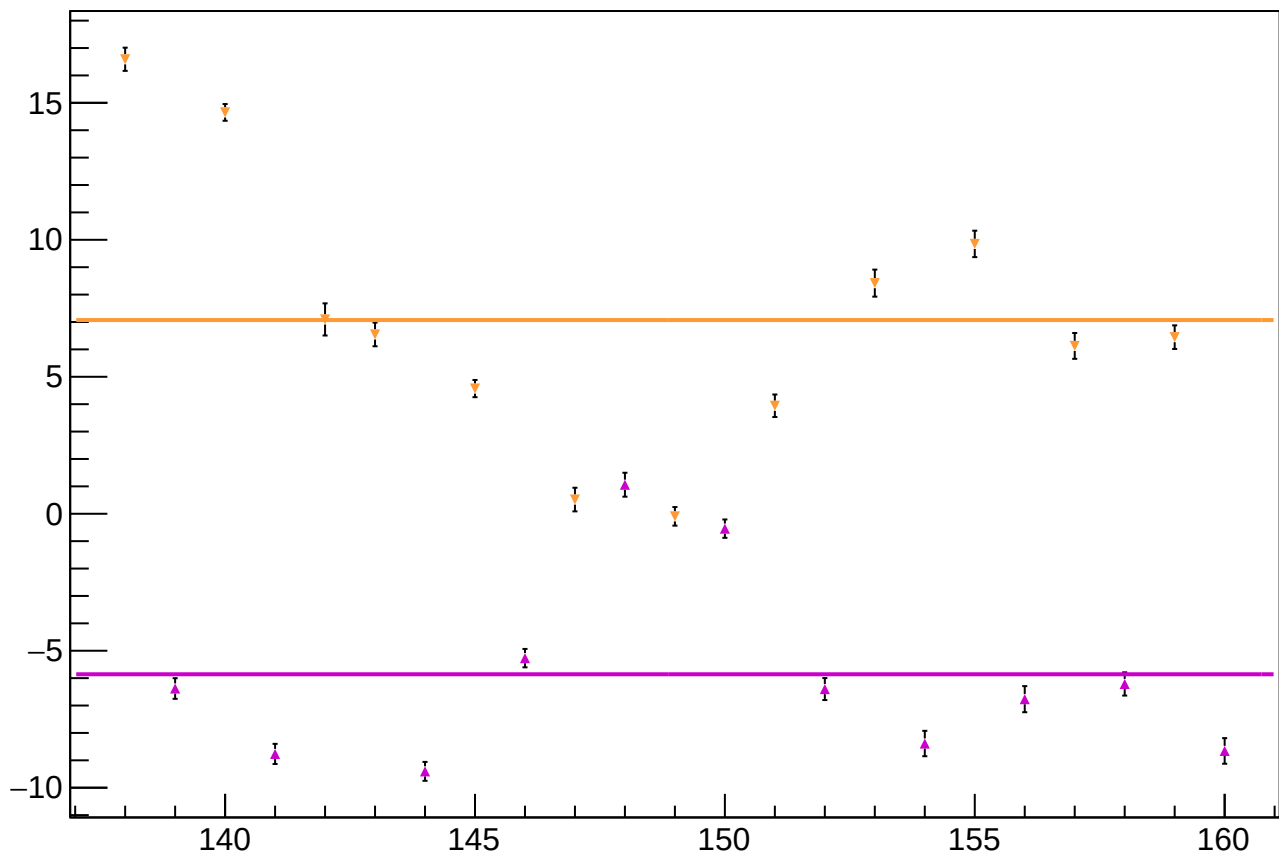
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.113 $\pm$ 0.006 χ^2 /NDF:313.7/11
 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

0.113 $\pm$ 0.006 χ^2 /NDF: 313.7/11
 -0.018 $\pm$ 0.004 χ^2 /NDF: 1471.5/22
 -0.143 $\pm$ 0.006 χ^2 /NDF: 314.3/10

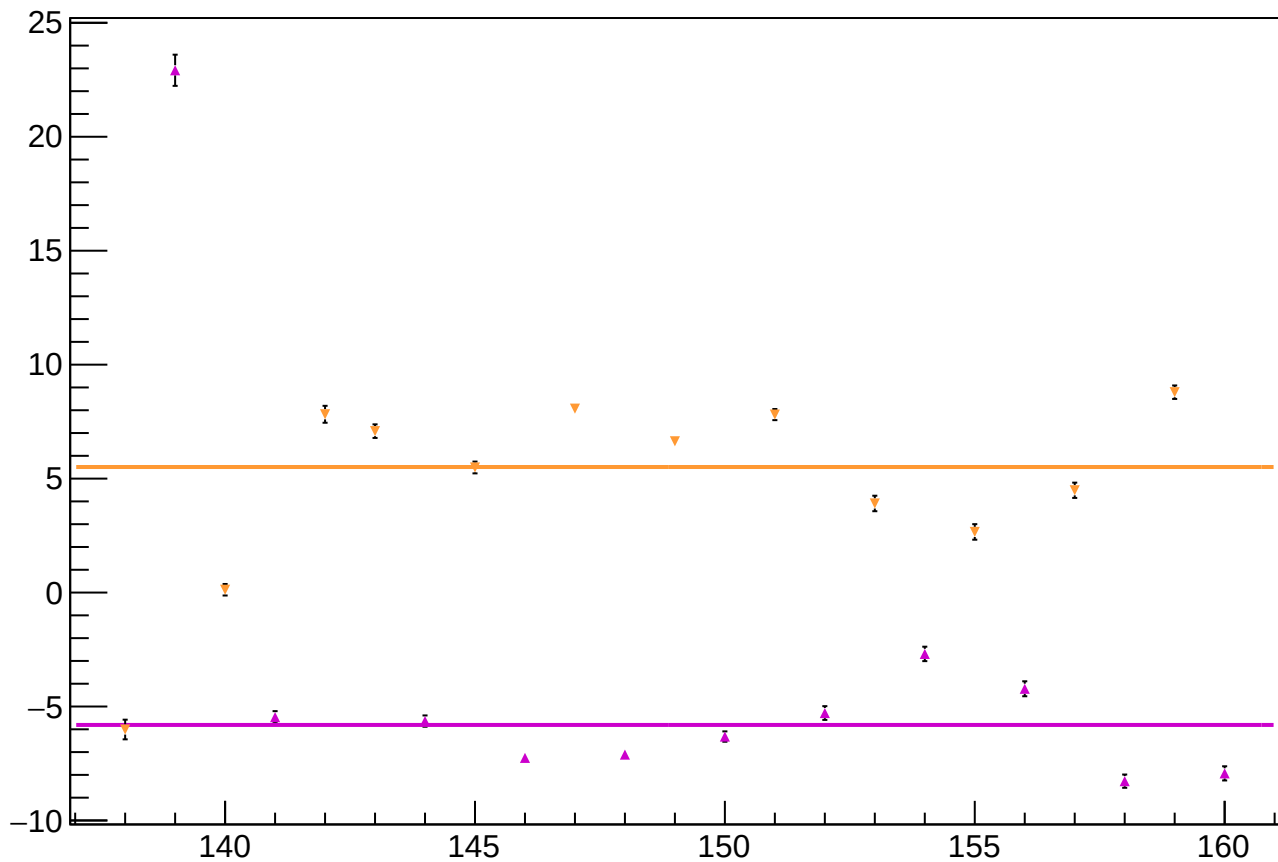
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.071 $\pm$ 0.117 χ^2 /NDF:1968.3/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.859 $\pm$ 0.118 χ^2 /NDF:747.5/10

7.071 $\pm$ 0.117 χ^2 /NDF: 1968.3/11
 0.682 $\pm$ 0.083 χ^2 /NDF: 8746.7/22
 -5.859 $\pm$ 0.118 χ^2 /NDF: 747.5/10

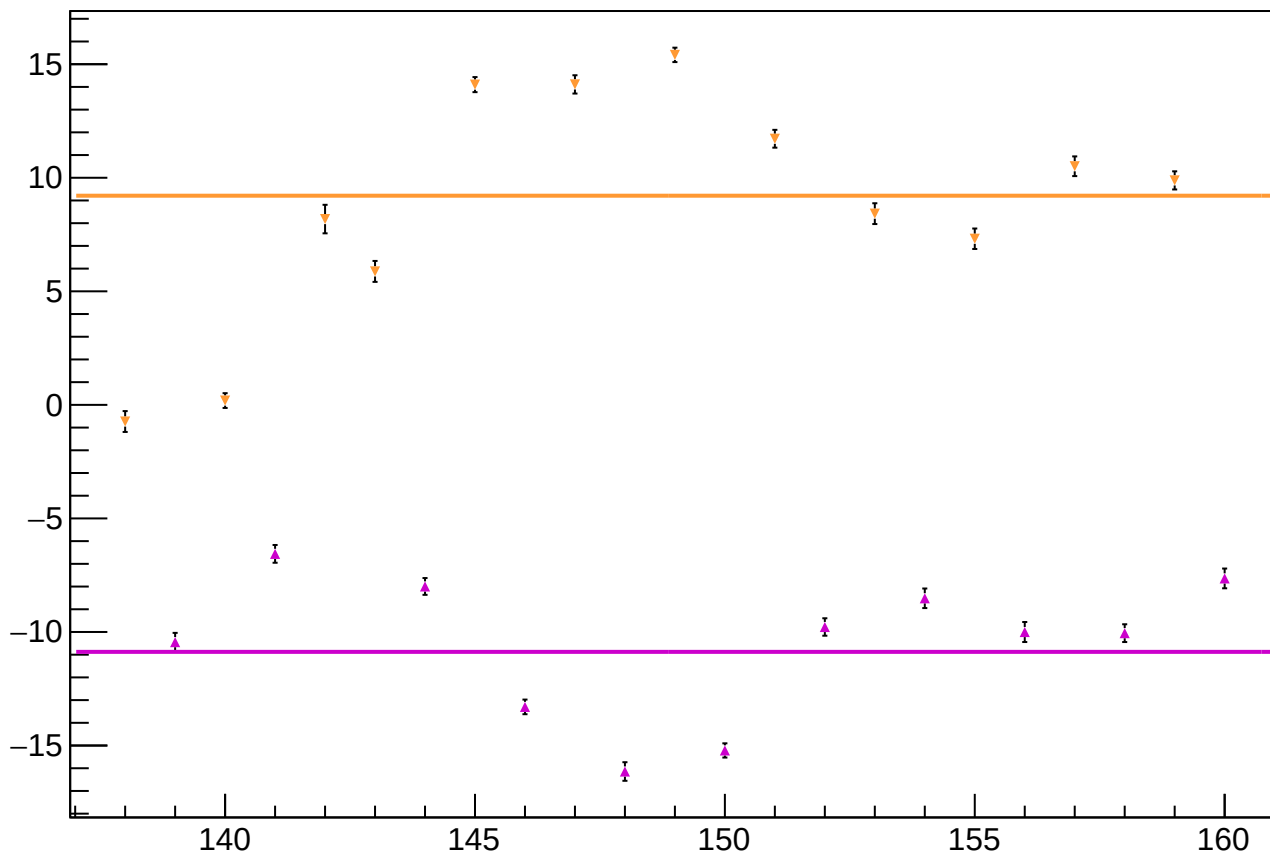
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.509+/-0.081 χ^2/NDF : 1725.7/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.809+/-0.082 χ^2/NDF : 2092.8/10

5.509+/-0.081 χ^2/NDF : 1725.7/11
 -0.056+/-0.058 χ^2/NDF : 13454.7/22
 -5.809+/-0.082 χ^2/NDF : 2092.8/10

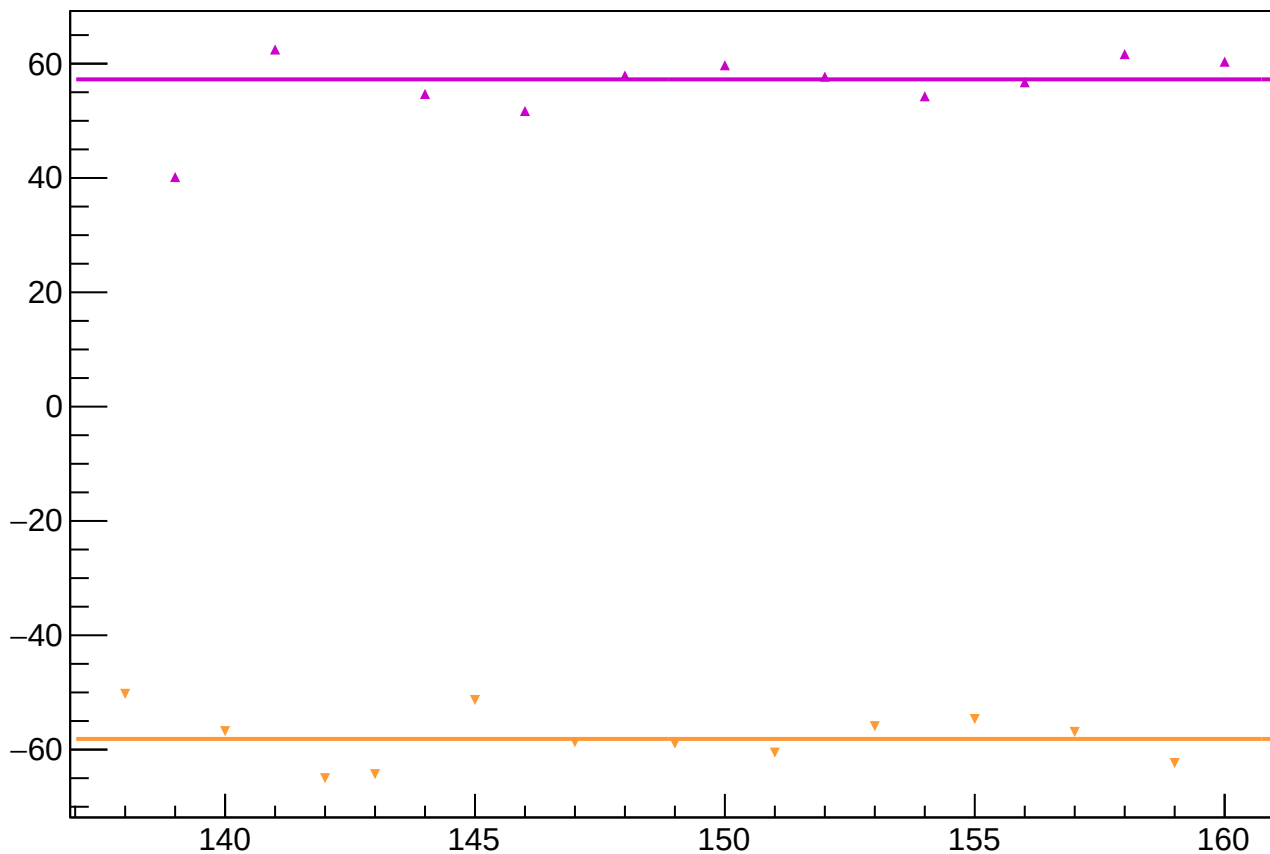
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 9.210 $\pm$ 0.116 χ^2 /NDF:2113.8/11
 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

9.210 $\pm$ 0.116 χ^2 /NDF: 2113.8/11
 -0.859 $\pm$ 0.082 χ^2 /NDF: 17864.1/22
 -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: -58.130+/-0.097 χ^2/NDF : 1711.3/11

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

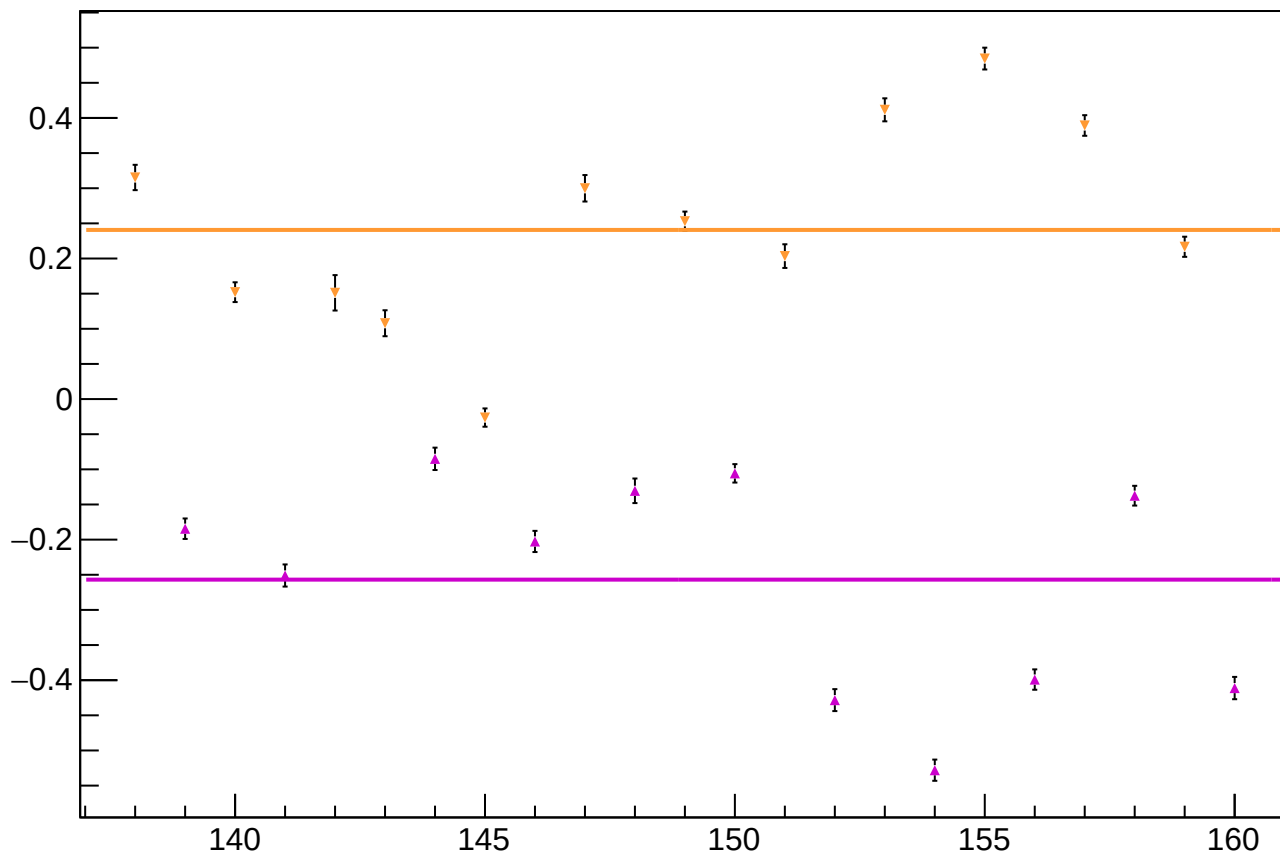
Left In: 57.254+/-0.097 χ^2/NDF : 1910.9/10

-58.130+/-0.097 χ^2/NDF : 1711.3/11

-0.632+/-0.069 χ^2/NDF : 709919.1/22

57.254+/-0.097 χ^2/NDF : 1910.9/10

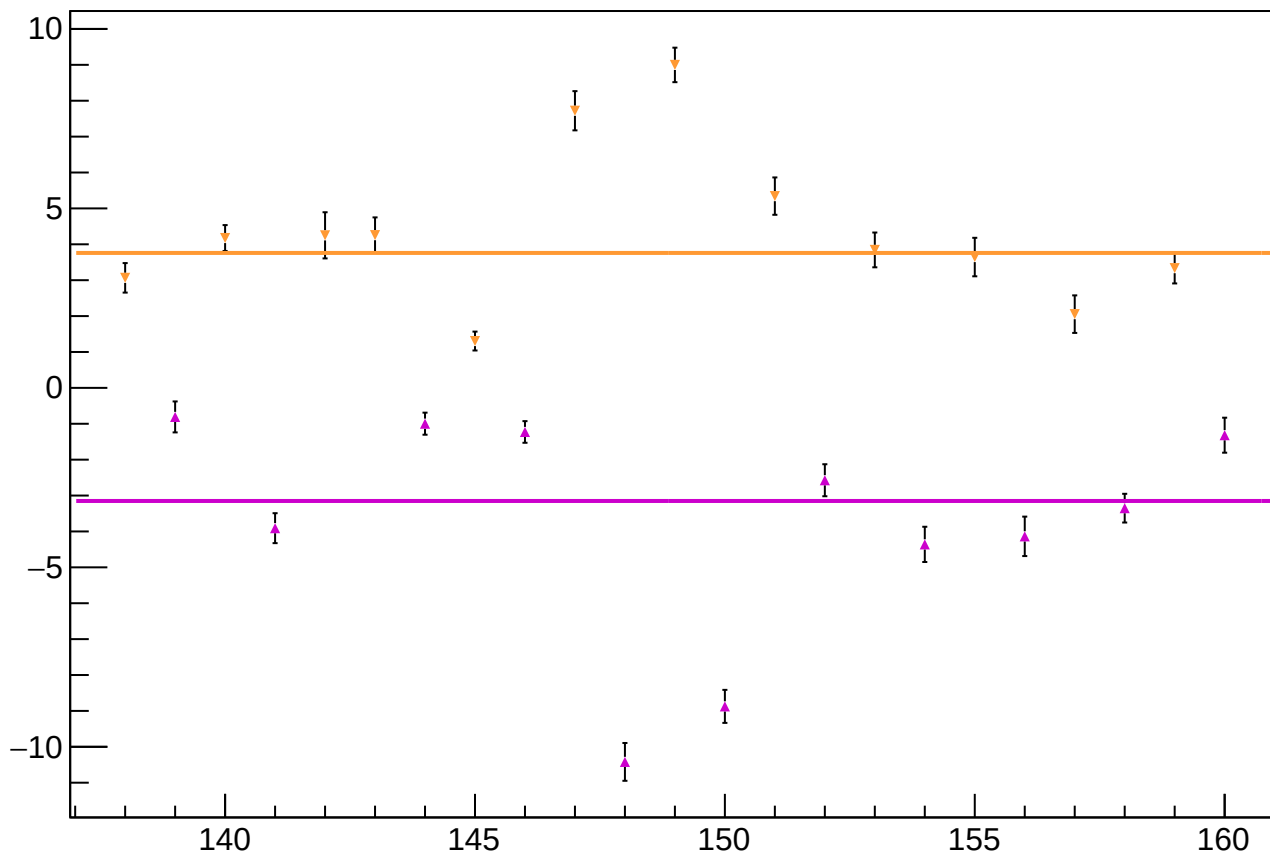
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.241 $\pm$ 0.005 χ^2 /NDF:1019.0/11
 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

0.241 $\pm$ 0.005 χ^2 /NDF: 1019.0/11
 -0.010 $\pm$ 0.003 χ^2 /NDF: 8009.7/22
 -0.257 $\pm$ 0.005 χ^2 /NDF: 1046.2/10

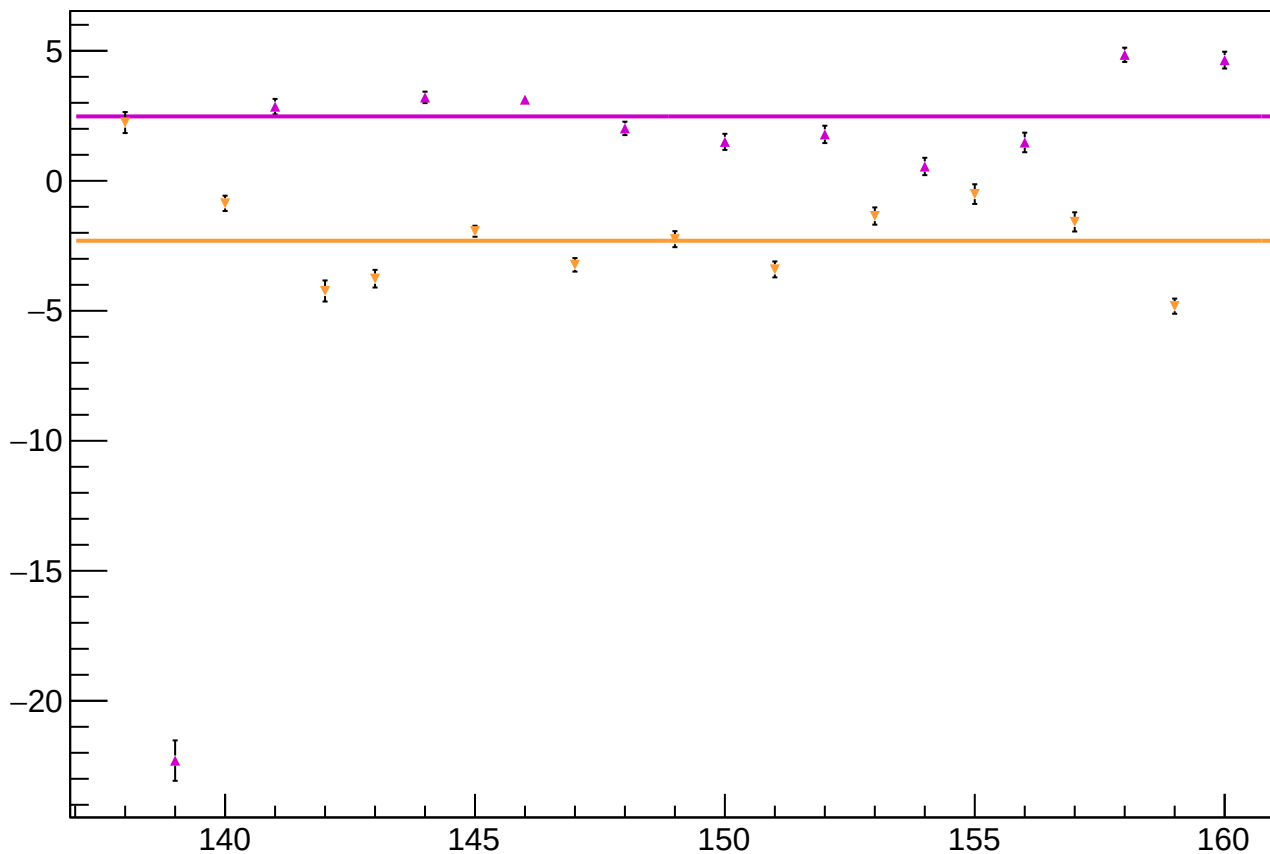
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.759 $\pm$ 0.126 χ^2 /NDF:285.2/11
 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

3.759 $\pm$ 0.126 χ^2 /NDF: 285.2/11
 0.273 $\pm$ 0.089 χ^2 /NDF: 2292.5/22
 -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: -2.304+/-0.089 χ^2/NDF : 329.1/11

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

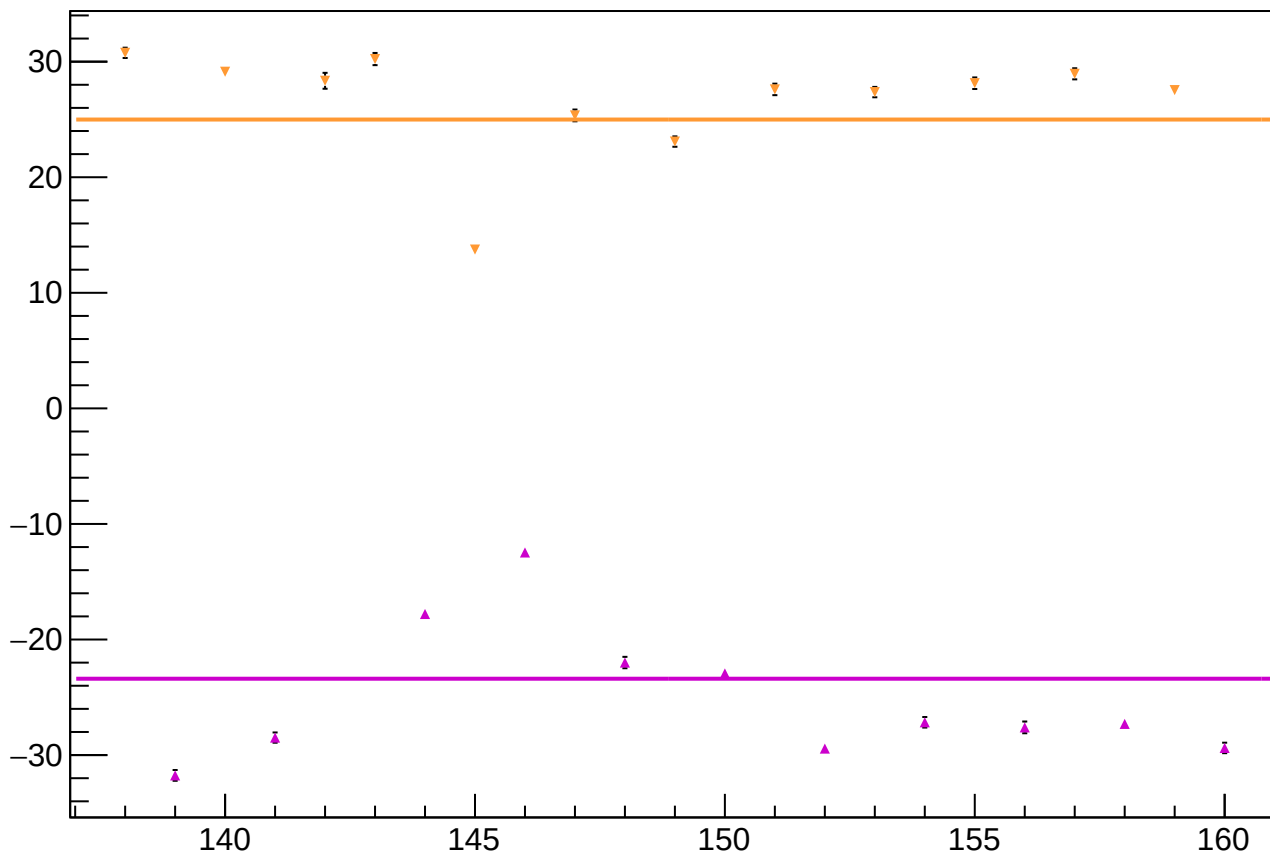
Left In: 2.477+/-0.087 χ^2/NDF : 1217.3/10

-2.304+/-0.089 χ^2/NDF : 329.1/11

0.157+/-0.062 χ^2/NDF : 3026.8/22

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: 24.992+/-0.126 χ^2/NDF : 2238.8/11

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

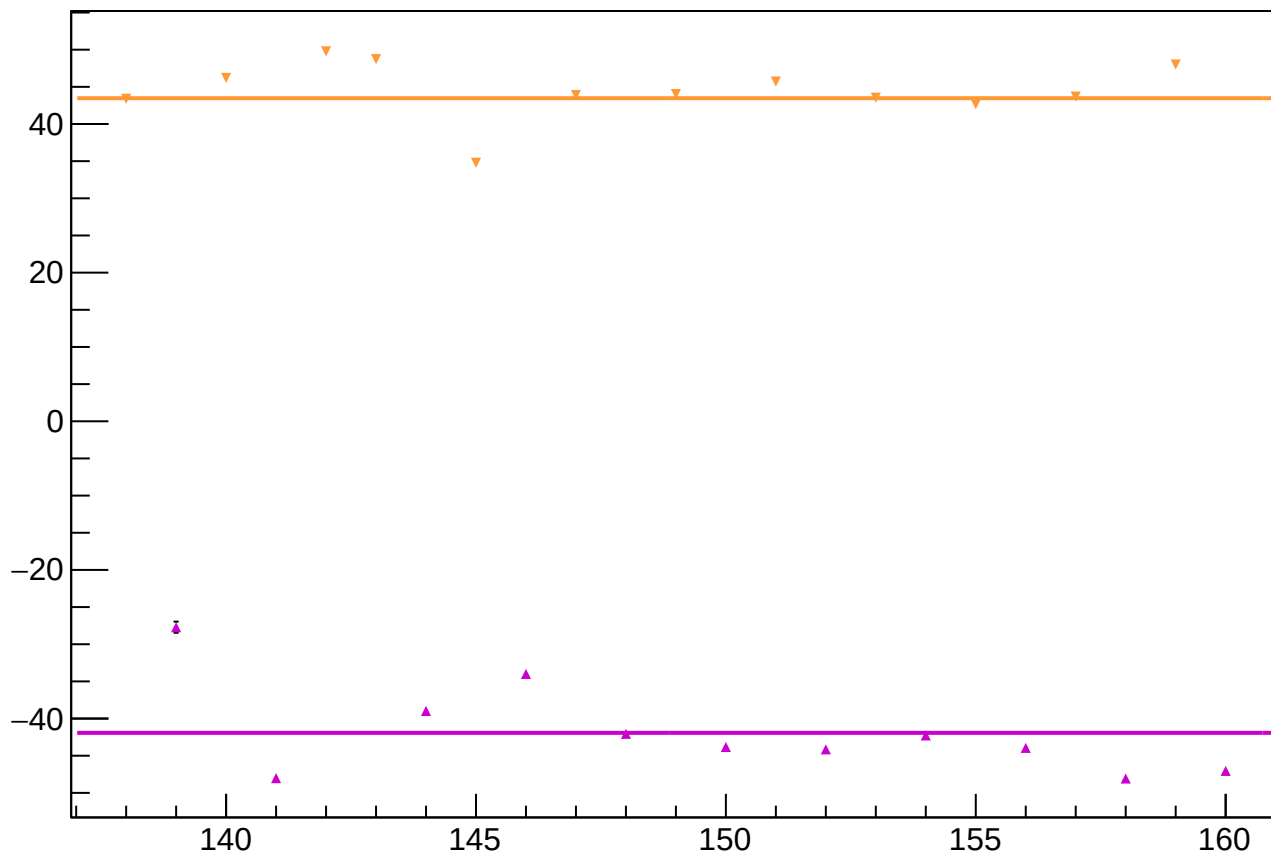
Left In: -23.392+/-0.123 χ^2/NDF : 2793.4/10

24.992+/-0.126 χ^2/NDF : 2238.8/11

0.074+/-0.088 χ^2/NDF : 80668.6/22

-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: 43.471+/-0.106 χ^2/NDF : 1914.5/11

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

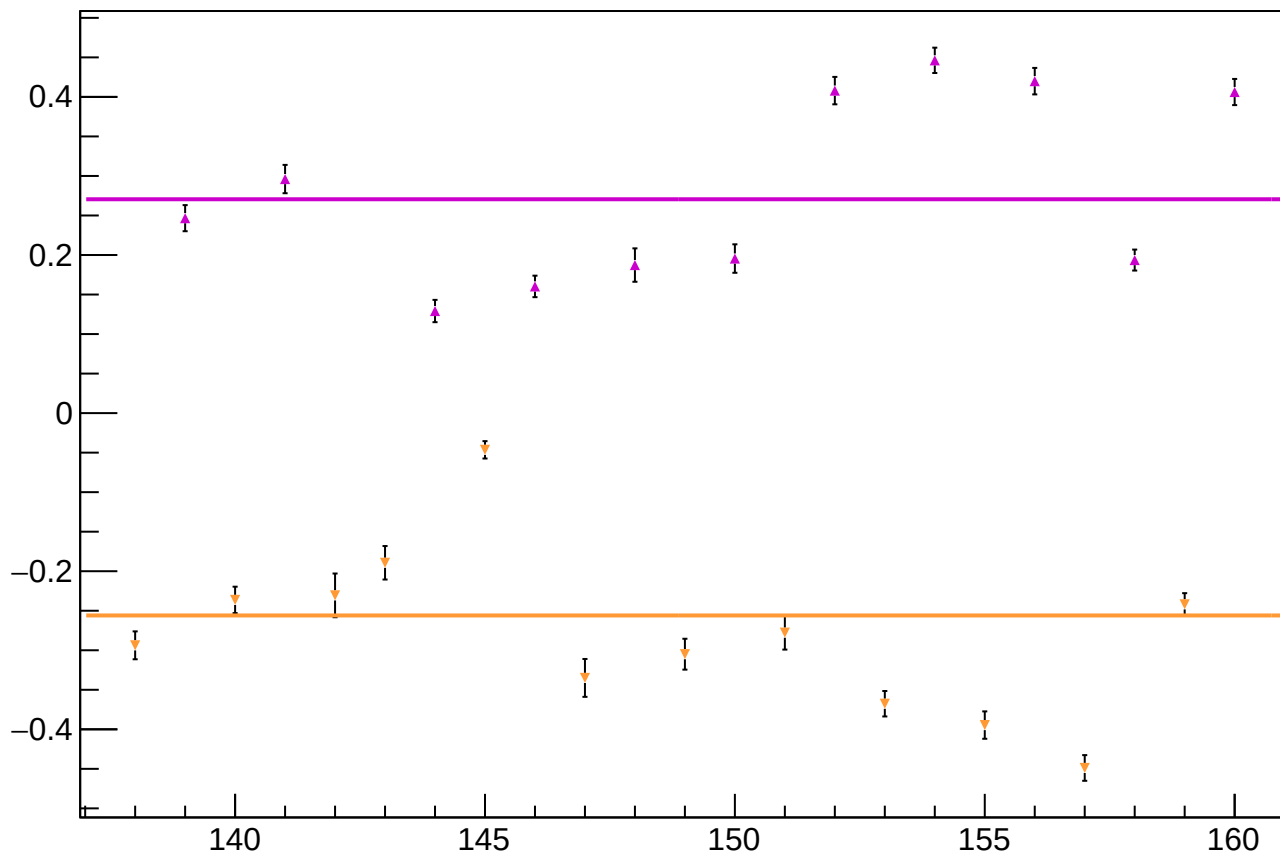
Left In: -41.922+/-0.102 χ^2/NDF : 2610.6/10

43.471+/-0.106 χ^2/NDF : 1914.5/11

-0.673+/-0.074 χ^2/NDF : 341309.8/22

-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: -0.256+/-0.005 χ^2/NDF : 653.0/11

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

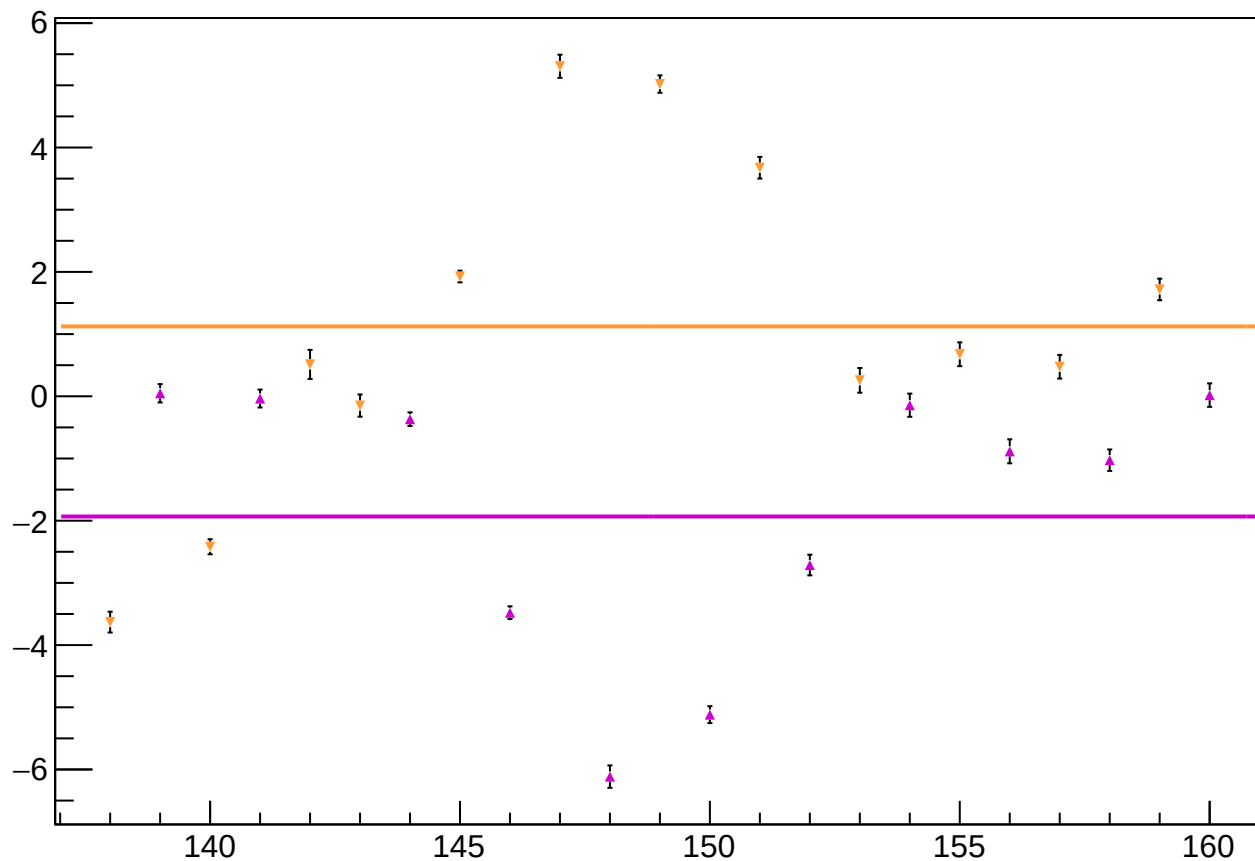
Left In: 0.271+/-0.005 χ^2/NDF : 566.7/10

-0.256+/-0.005 χ^2/NDF : 653.0/11

0.012+/-0.003 χ^2/NDF : 7025.9/22

0.271+/-0.005 χ^2/NDF : 566.7/10

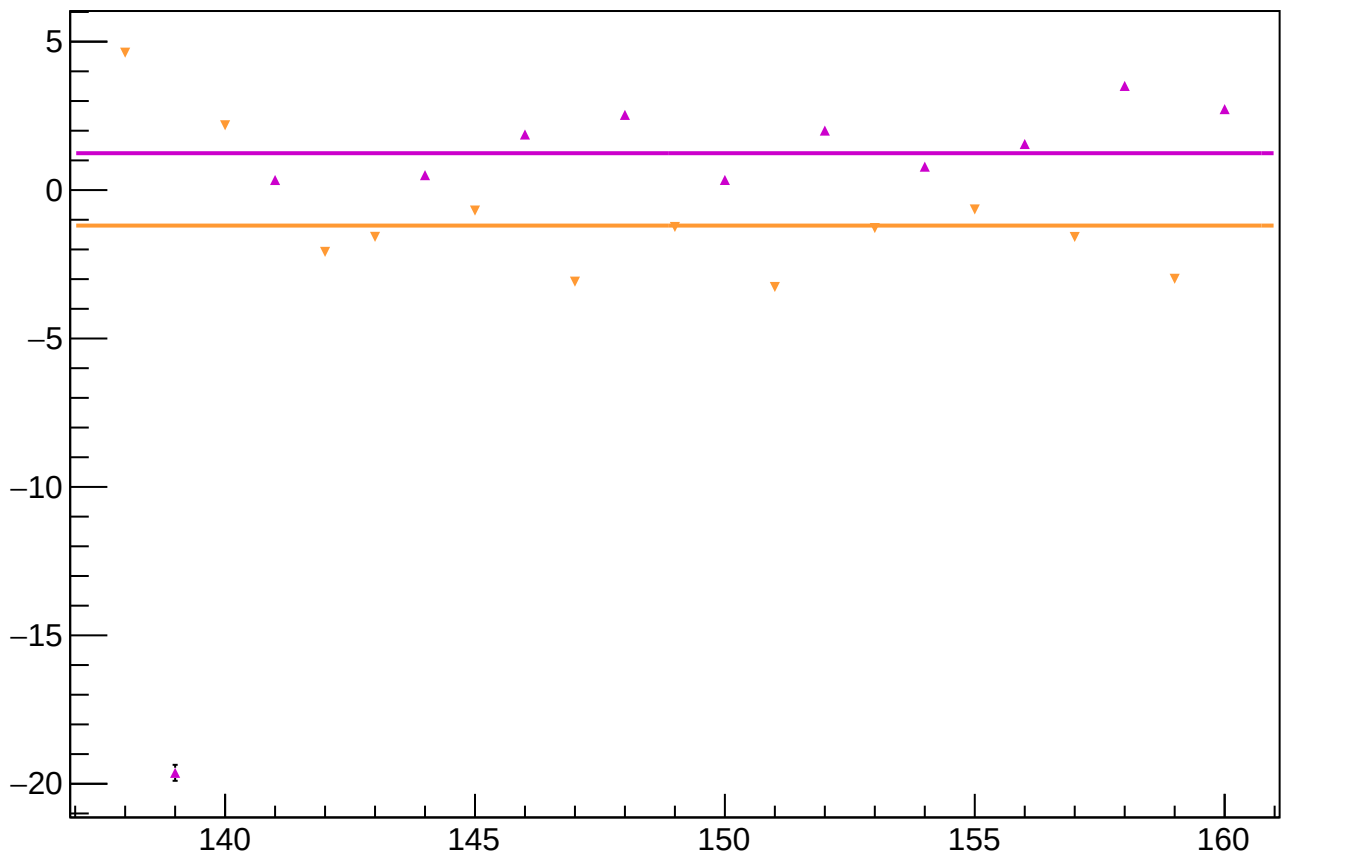
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 1.124 $\pm$ 0.045 χ^2/NDF :3331.6/11
 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

1.124 $\pm$ 0.045 χ^2/NDF : 3331.6/11
 -0.433 $\pm$ 0.032 χ^2/NDF : 7830.4/22
 -1.933 $\pm$ 0.044 χ^2/NDF : 2153.3/10

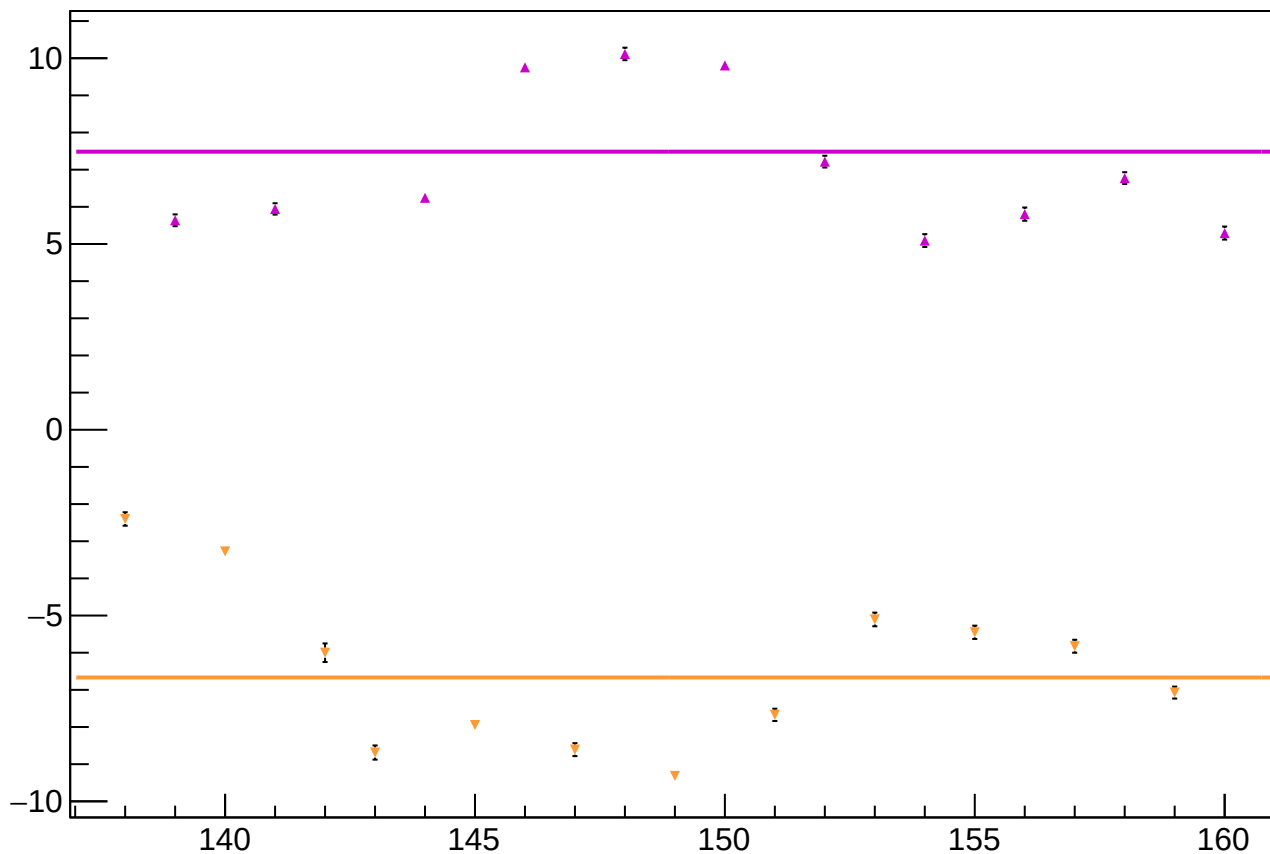
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -1.196 $\pm$ 0.032 χ^2/NDF : 3515.2/11
 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

-1.196 $\pm$ 0.032 χ^2/NDF : 3515.2/11
 0.061 $\pm$ 0.022 χ^2/NDF : 13700.2/22
 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: -6.667+/-0.045 χ^2/NDF : 2245.5/11

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

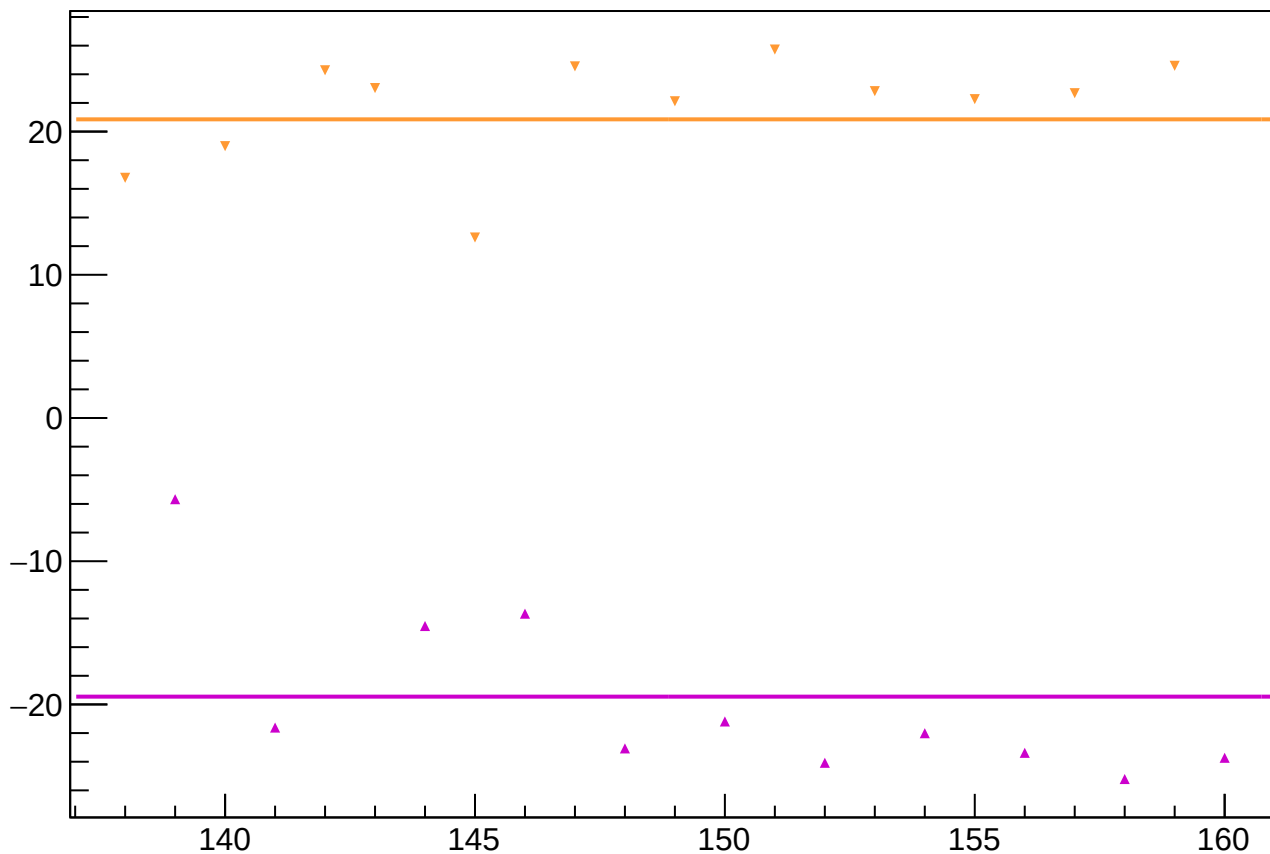
Left In: 7.484+/-0.043 χ^2/NDF : 1912.1/10

-6.667+/-0.045 χ^2/NDF : 2245.5/11

0.661+/-0.031 χ^2/NDF : 55398.2/22

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: 20.854+/-0.038 χ^2/NDF :13702.2/11

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

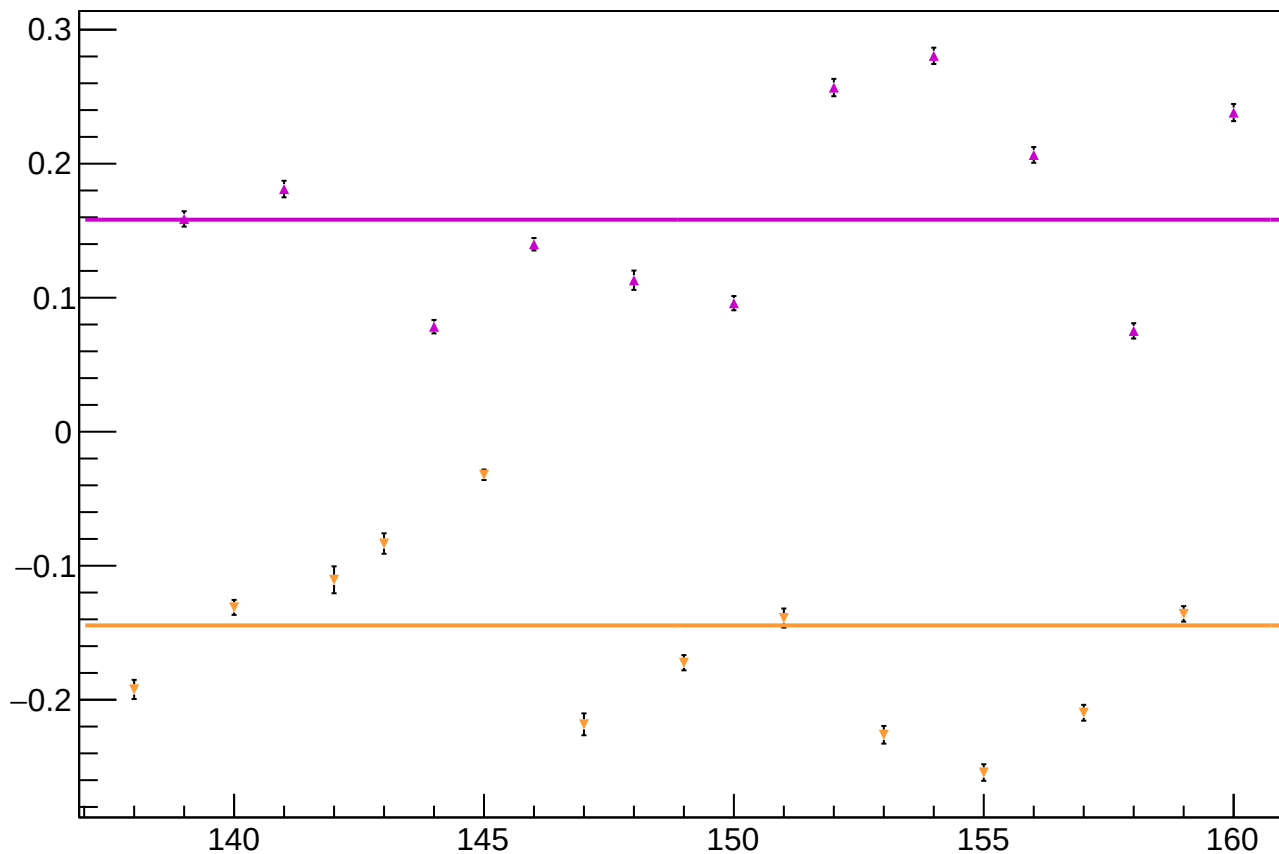
Left In: -19.456+/-0.036 χ^2/NDF :17074.2/10

20.854+/-0.038 χ^2/NDF : 13702.2/11

-0.039+/-0.026 χ^2/NDF : 618363.8/22

-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: -0.145+/-0.002 χ^2/NDF : 1653.1/11

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

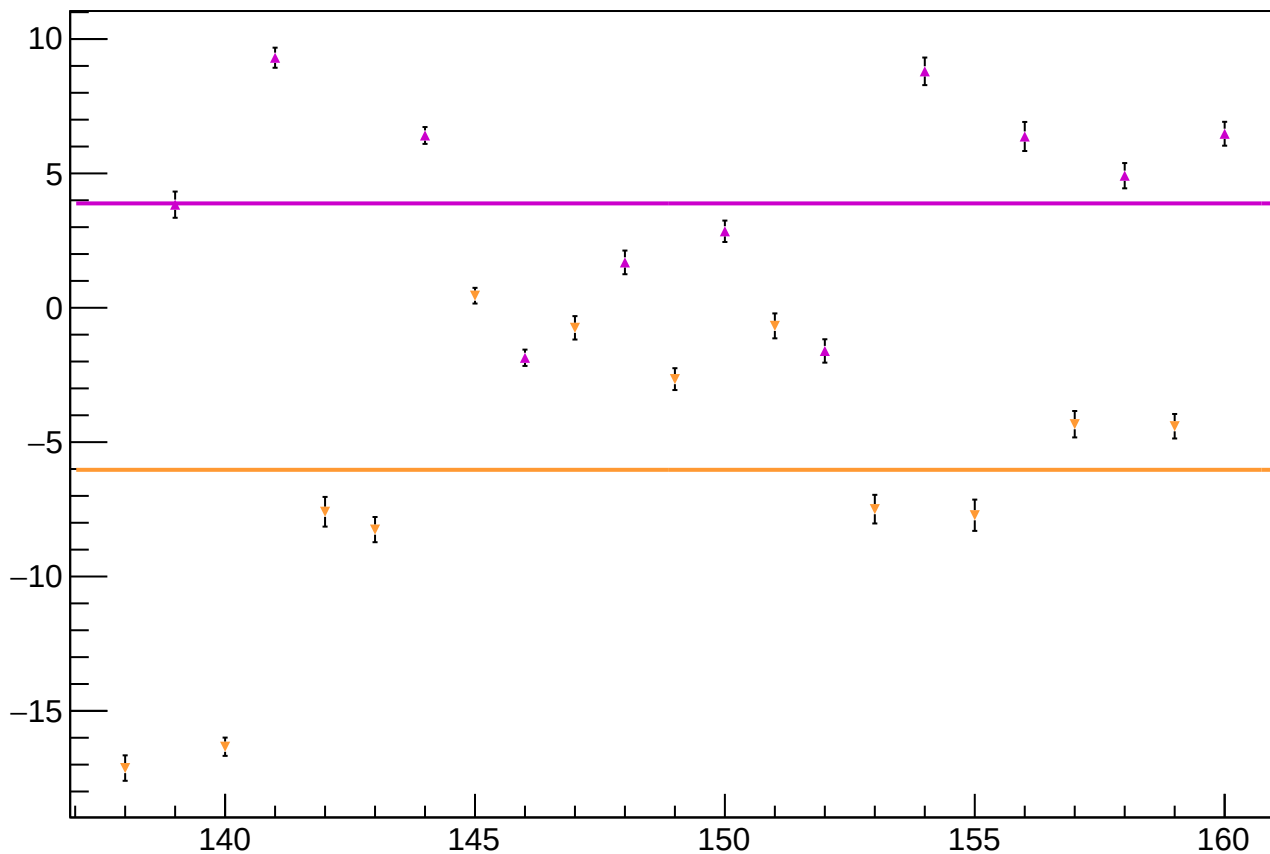
Left In: 0.158+/-0.002 χ^2/NDF : 1528.3/10

-0.145+/-0.002 χ^2/NDF : 1653.1/11

0.010+/-0.001 χ^2/NDF : 18057.5/22

0.158+/-0.002 χ^2/NDF : 1528.3/10

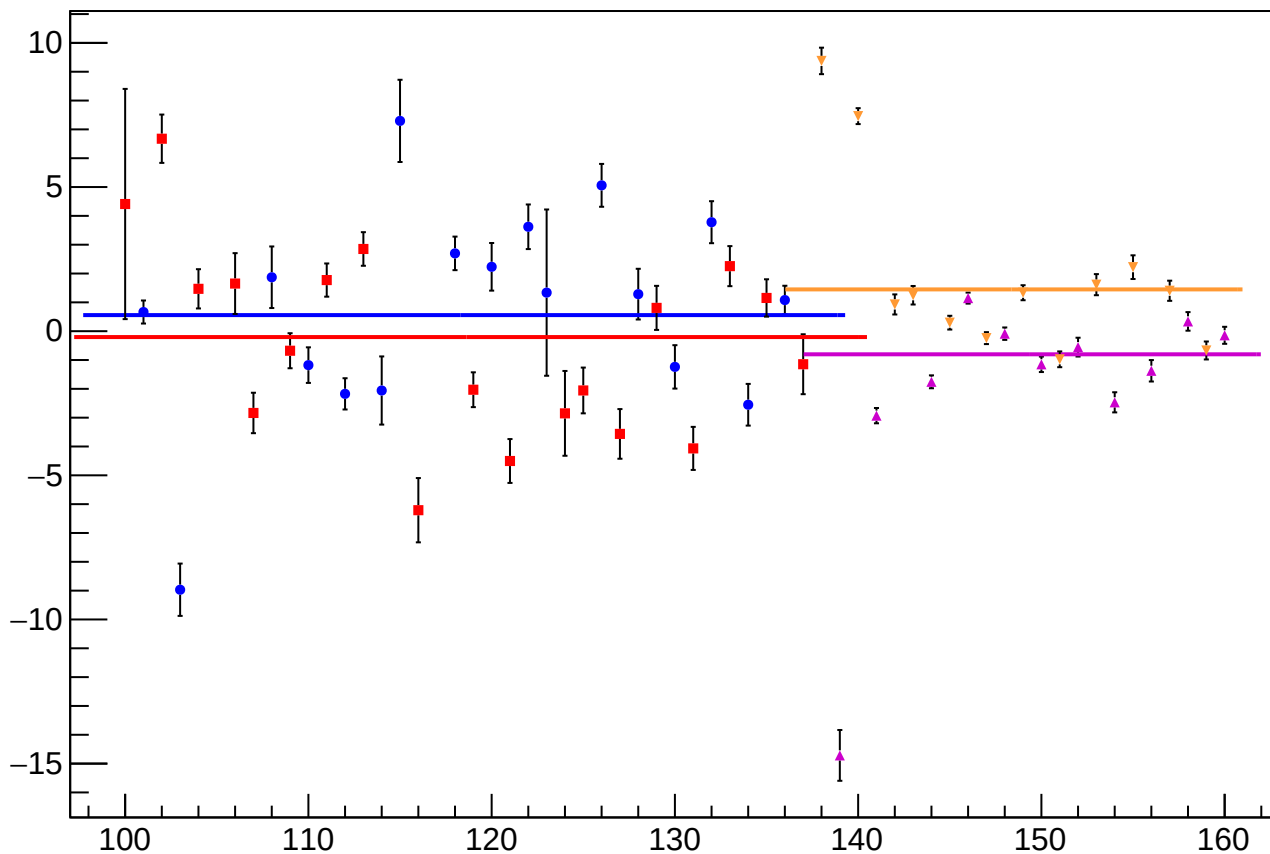
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.030+/-0.125 χ^2/NDF :2380.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.884+/-0.123 χ^2/NDF :976.5/10

-6.030+/-0.125 χ^2/NDF : 2380.6/11
 -1.001+/-0.088 χ^2/NDF : 6550.5/22
 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 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.449 ± 0.086 χ^2/NDF : 992.2/11

Right Out: -0.204 ± 0.175 χ^2/NDF : 272.1/18

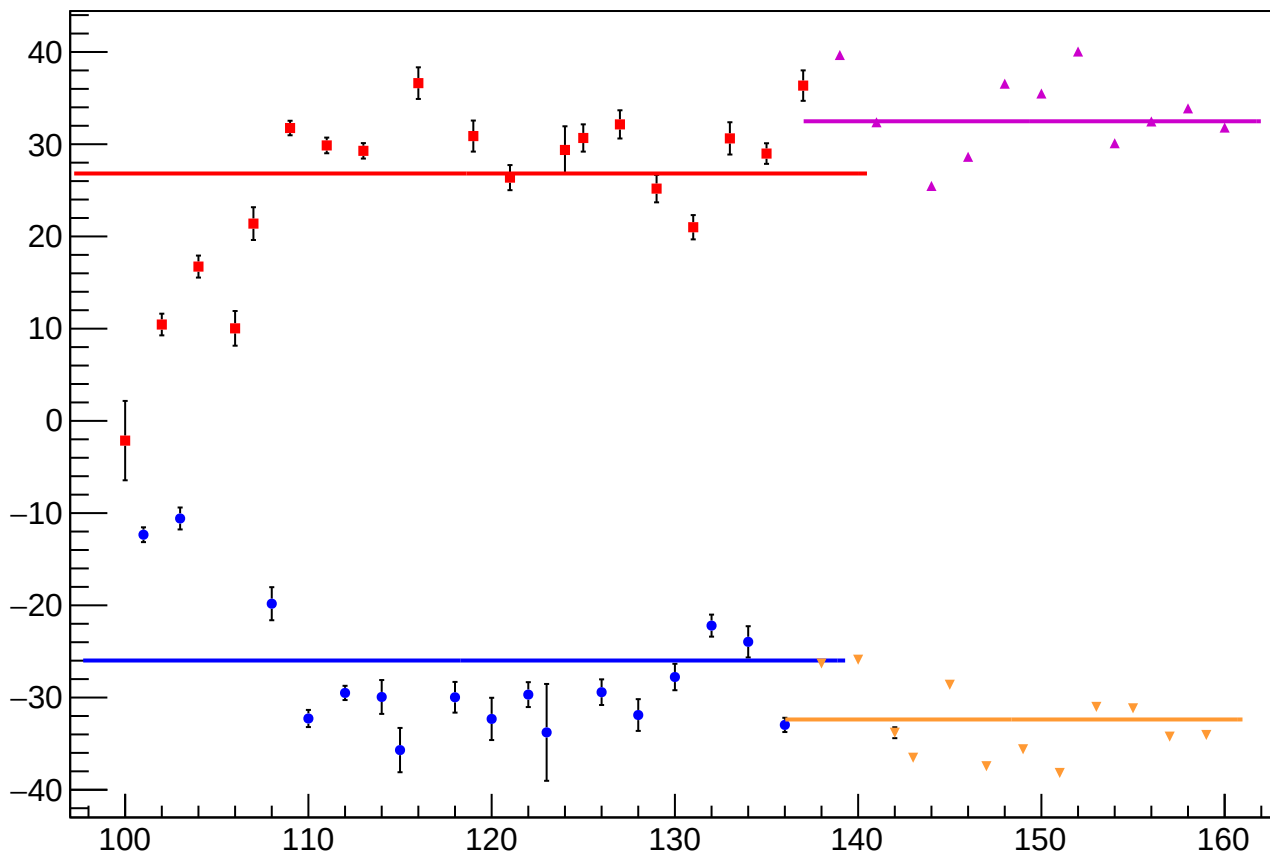
Left In: -0.802 ± 0.083 χ^2/NDF : 492.1/10

1.269 ± 0.076 χ^2/NDF : 1302.0/28

0.272 ± 0.054 χ^2/NDF : 2410.1/58

-0.691 ± 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: -32.378 ± 0.124 χ^2/NDF : 1126.8/11

Right Out: 26.825 ± 0.298 χ^2/NDF : 581.6/18

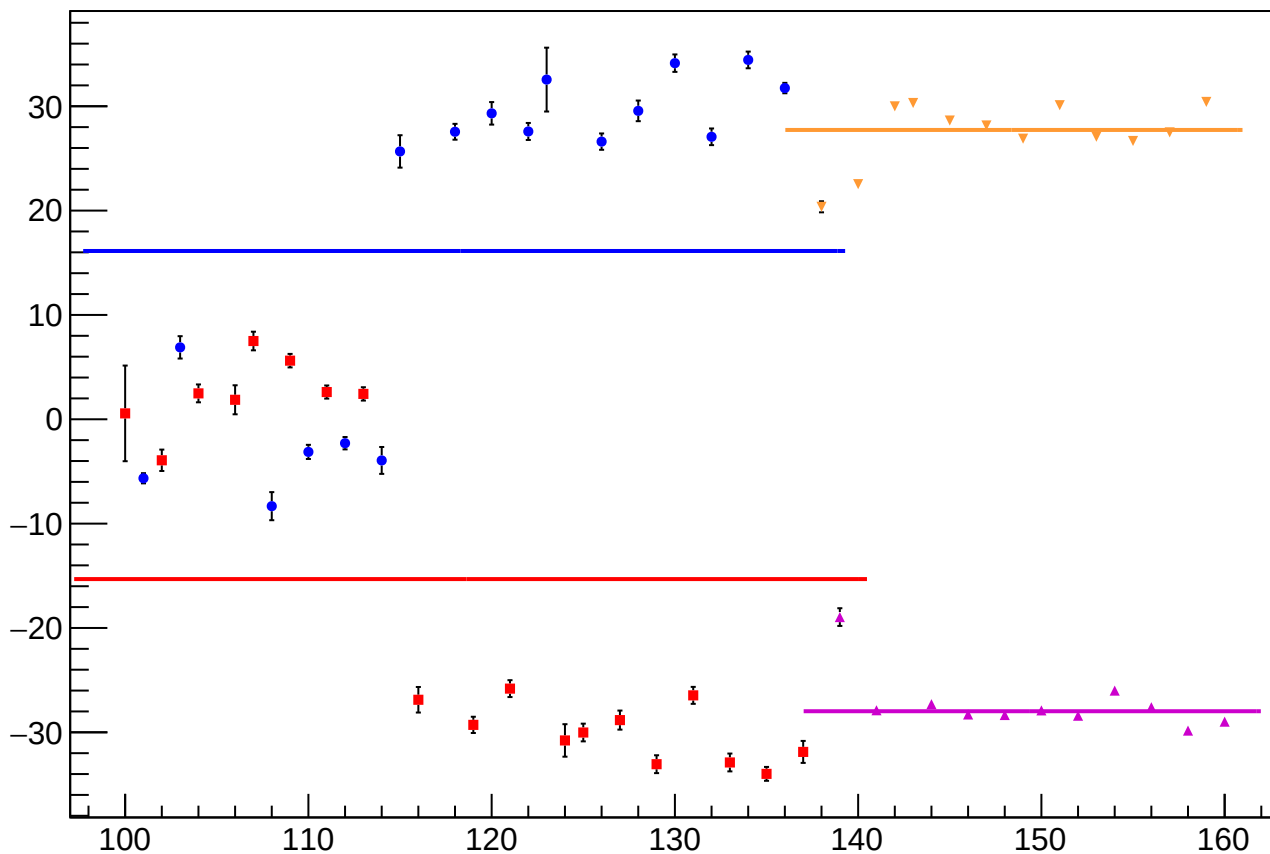
Left In: 32.487 ± 0.120 χ^2/NDF : 1326.8/10

-31.444 ± 0.115 χ^2/NDF : 2205.0/28

1.014 ± 0.080 χ^2/NDF : 159782.4/58

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 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 27.729 $\pm$ 0.103 χ^2 /NDF: 648.2/11

Right Out: -15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

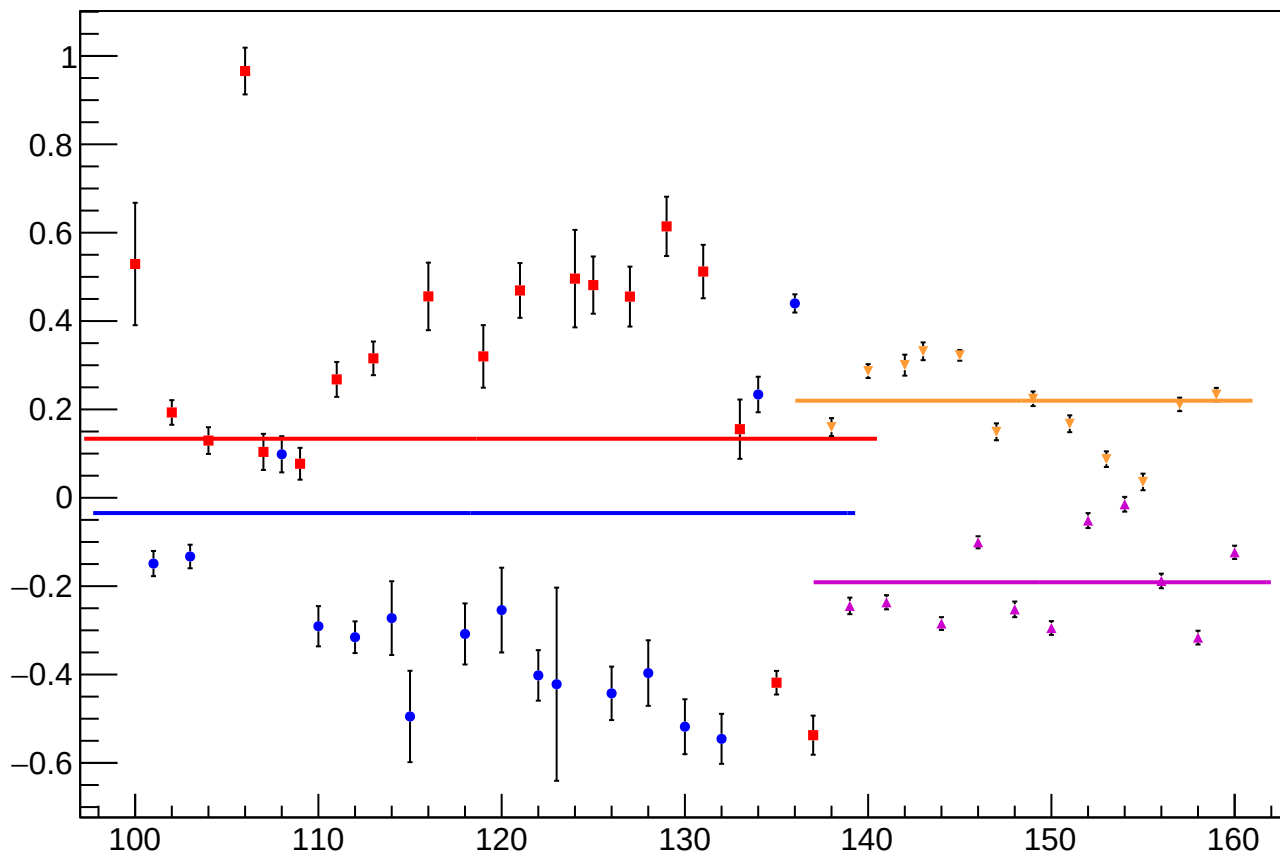
Left In: -27.980 $\pm$ 0.099 χ^2 /NDF: 188.4/10

25.138 $\pm$ 0.091 χ^2 /NDF: 11053.8/28

-0.695 $\pm$ 0.063 χ^2 /NDF: 180293.1/58

-25.408 $\pm$ 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 χ^2/NDF : 1011.6/16

Left Out: 0.220 ± 0.005 χ^2/NDF : 314.9/11

Right Out: 0.134 ± 0.010 χ^2/NDF : 1161.9/18

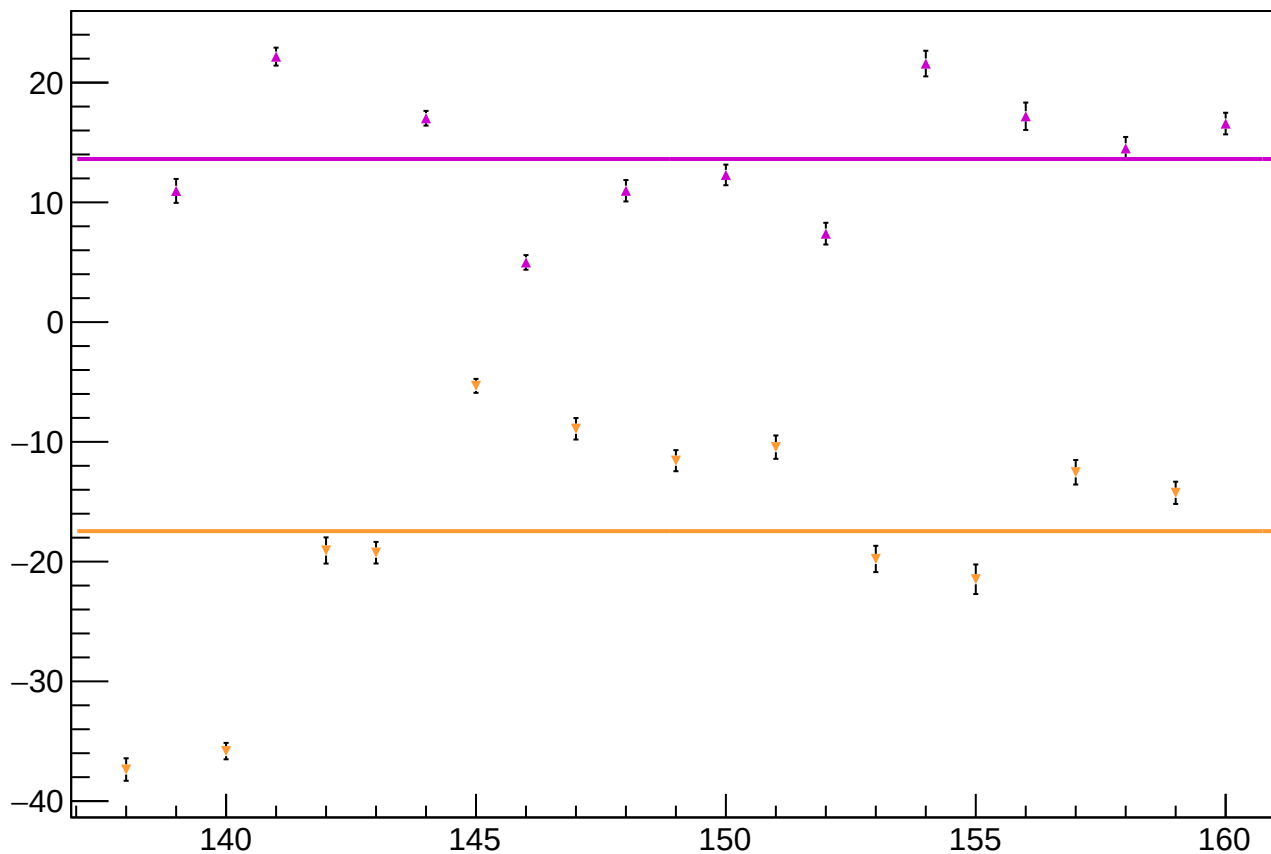
Left In: -0.191 ± 0.005 χ^2/NDF : 421.4/10

0.173 ± 0.004 χ^2/NDF : 1820.3/28

0.016 ± 0.003 χ^2/NDF : 6638.4/58

-0.134 ± 0.004 χ^2/NDF : 2390.5/29

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.454+/-0.254 χ^2/NDF : 1847.2/11

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

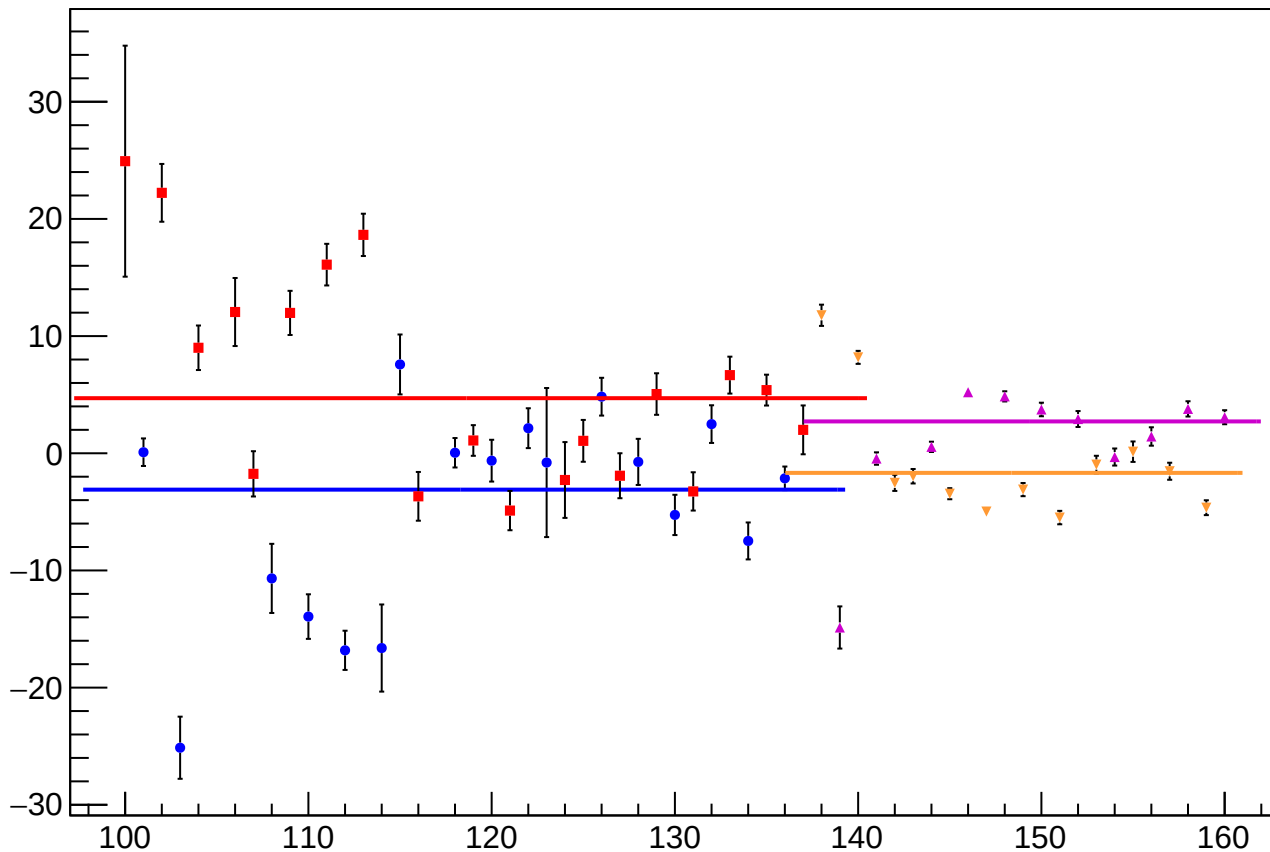
Left In: 13.623+/-0.251 χ^2/NDF : 503.5/10

-17.454+/-0.254 χ^2/NDF : 1847.2/11

-1.698+/-0.179 χ^2/NDF : 9925.4/22

13.623+/-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 $\chi^2/\text{NDF}: 279.1/16$

Left Out: -1.672 ± 0.175 $\chi^2/\text{NDF}: 689.1/11$

Right Out: 4.701 ± 0.427 $\chi^2/\text{NDF}: 297.6/18$

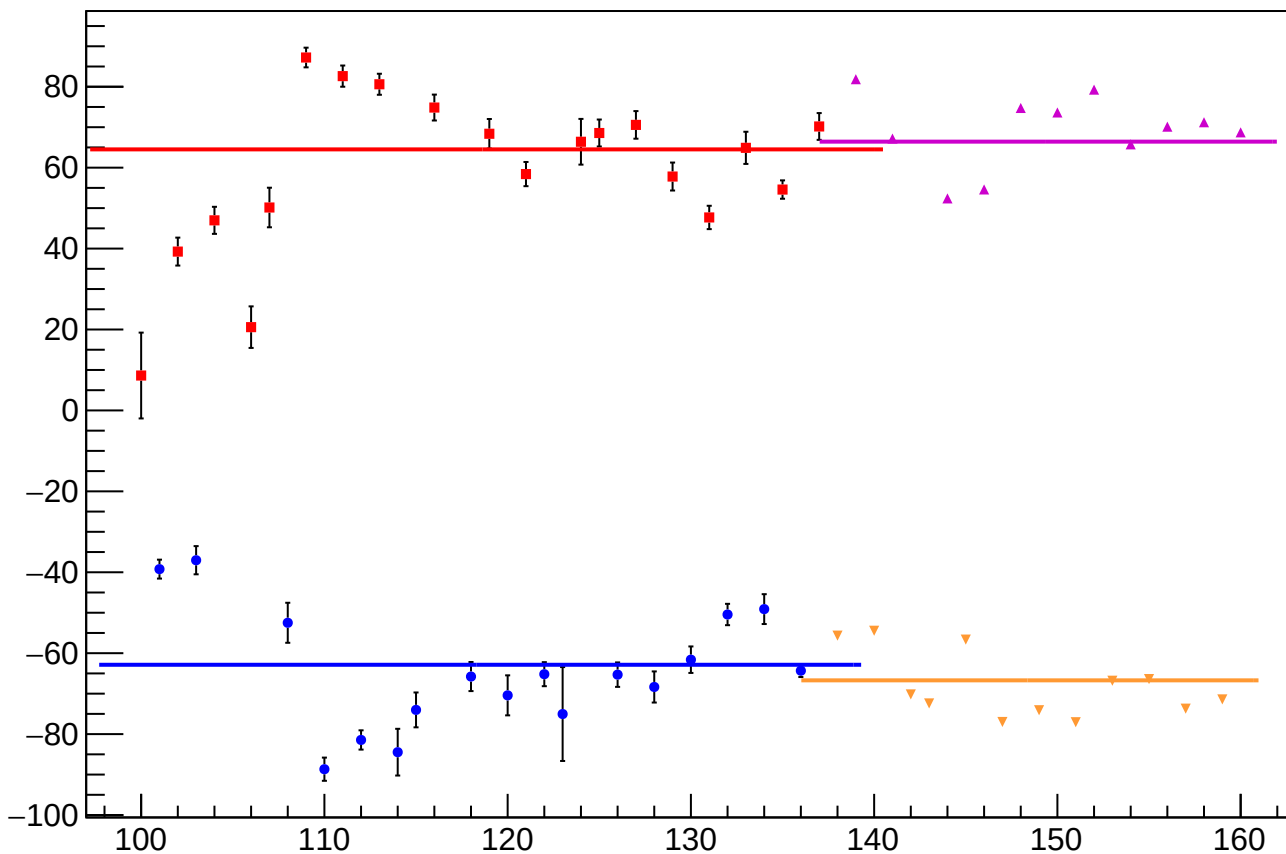
Left In: 2.718 ± 0.169 $\chi^2/\text{NDF}: 249.7/10$

-1.891 ± 0.161 $\chi^2/\text{NDF}: 978.5/28$

0.606 ± 0.112 $\chi^2/\text{NDF}: 2016.5/58$

2.986 ± 0.157 $\chi^2/\text{NDF}: 566.0/29$

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: -66.713 ± 0.254 χ^2/NDF : 1150.1/11

Right Out: 64.517 ± 0.752 χ^2/NDF : 444.3/18

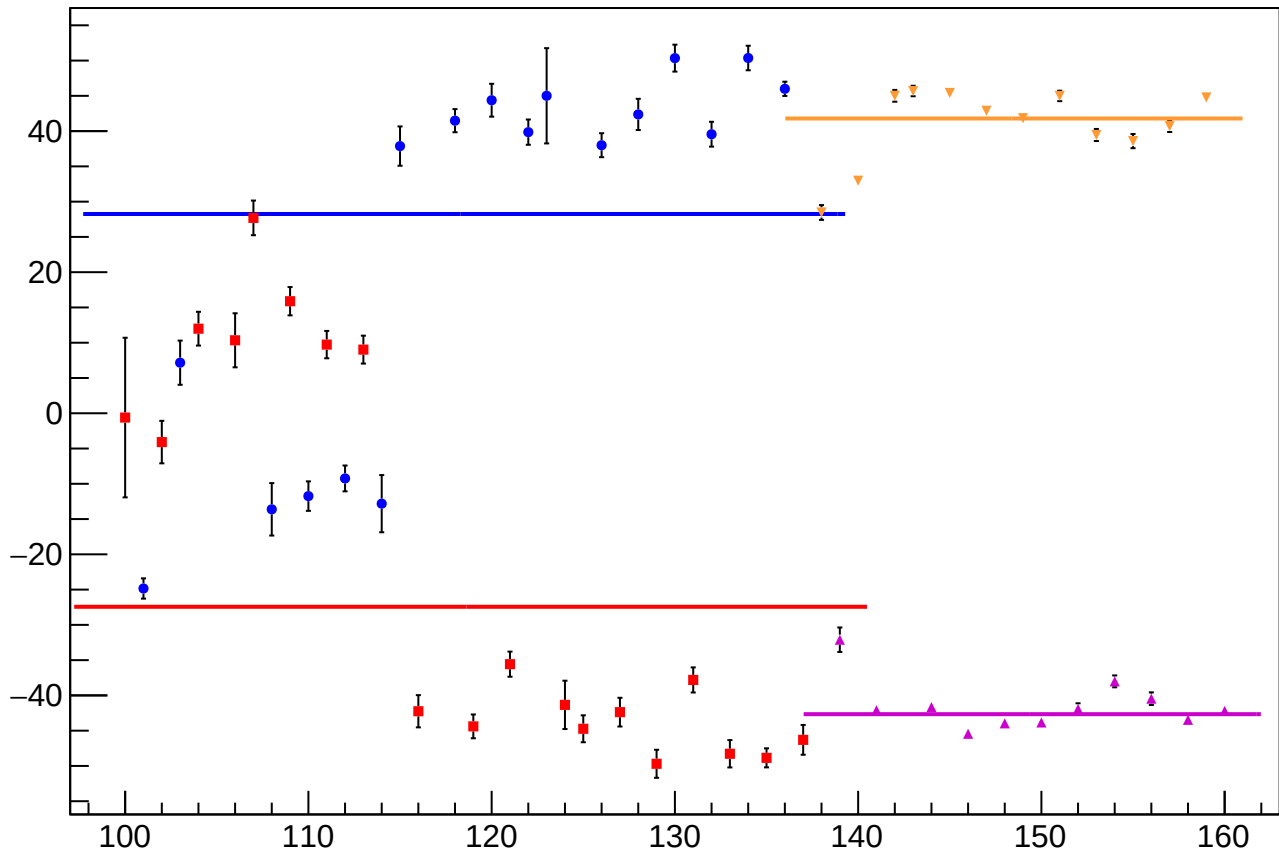
Left In: 66.431 ± 0.246 χ^2/NDF : 1512.3/10

-66.308 ± 0.240 χ^2/NDF : 1543.0/28

1.811 ± 0.167 χ^2/NDF : 160095.9/58

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 $\chi^2/\text{NDF}: 3319.5/16$

Left Out: 41.790 ± 0.210 $\chi^2/\text{NDF}: 482.1/11$

Right Out: -27.435 ± 0.479 $\chi^2/\text{NDF}: 3032.4/18$

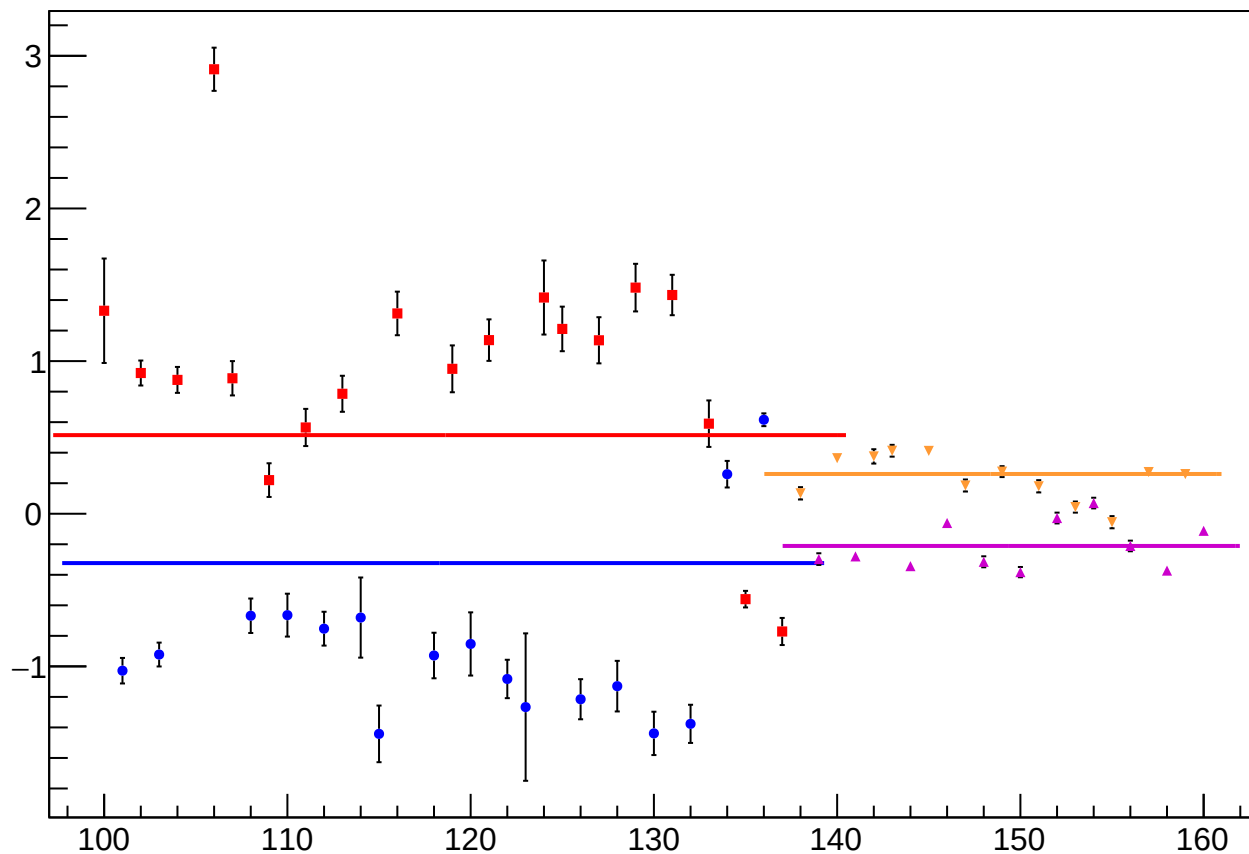
Left In: -42.660 ± 0.202 $\chi^2/\text{NDF}: 122.5/10$

39.454 ± 0.191 $\chi^2/\text{NDF}: 4518.2/28$

-1.501 ± 0.133 $\chi^2/\text{NDF}: 98014.1/58$

-40.358 ± 0.186 $\chi^2/\text{NDF}: 4013.2/29$

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.261 ± 0.010 χ^2/NDF : 187.1/11

Right Out: 0.515 ± 0.026 χ^2/NDF : 1160.9/18

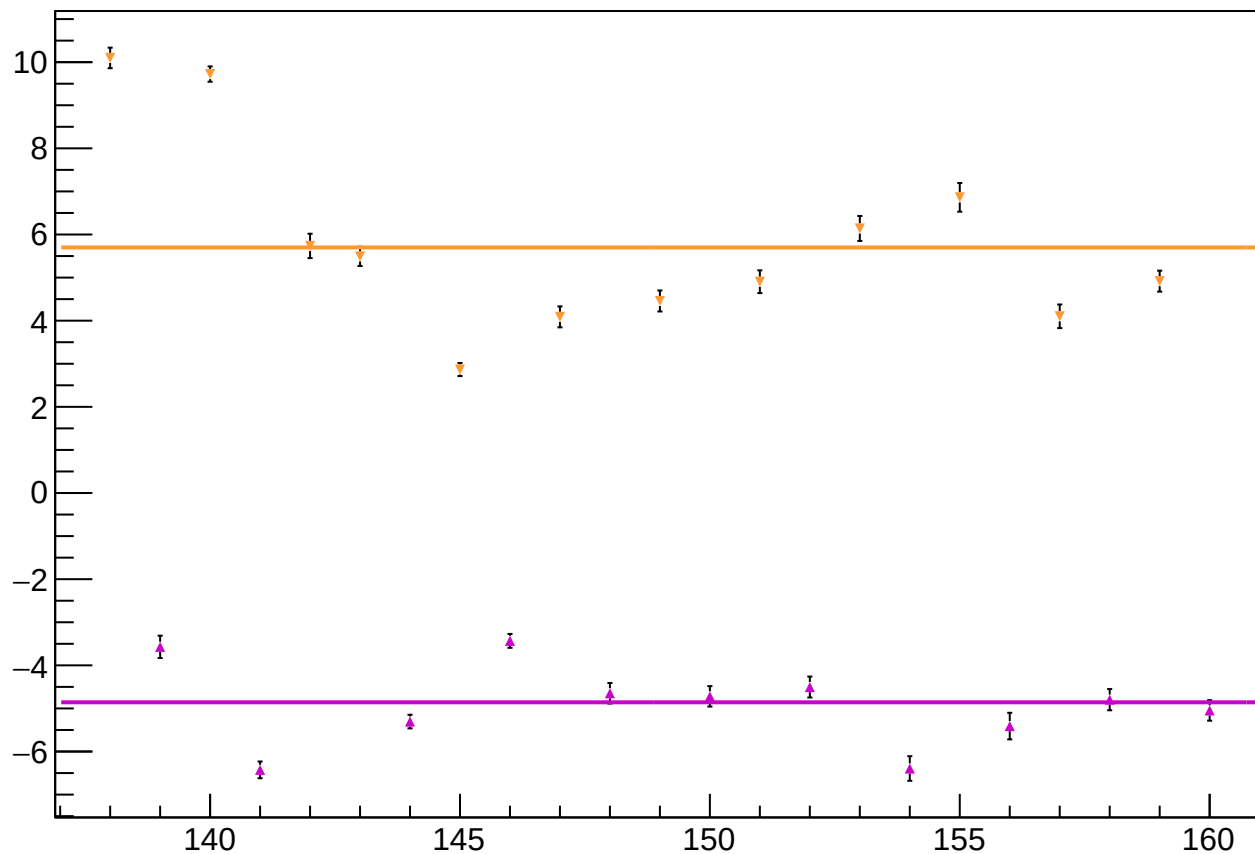
Left In: -0.211 ± 0.010 χ^2/NDF : 223.7/10

0.179 ± 0.009 χ^2/NDF : 1668.7/28

0.028 ± 0.007 χ^2/NDF : 4265.8/58

-0.119 ± 0.009 χ^2/NDF : 2078.3/29

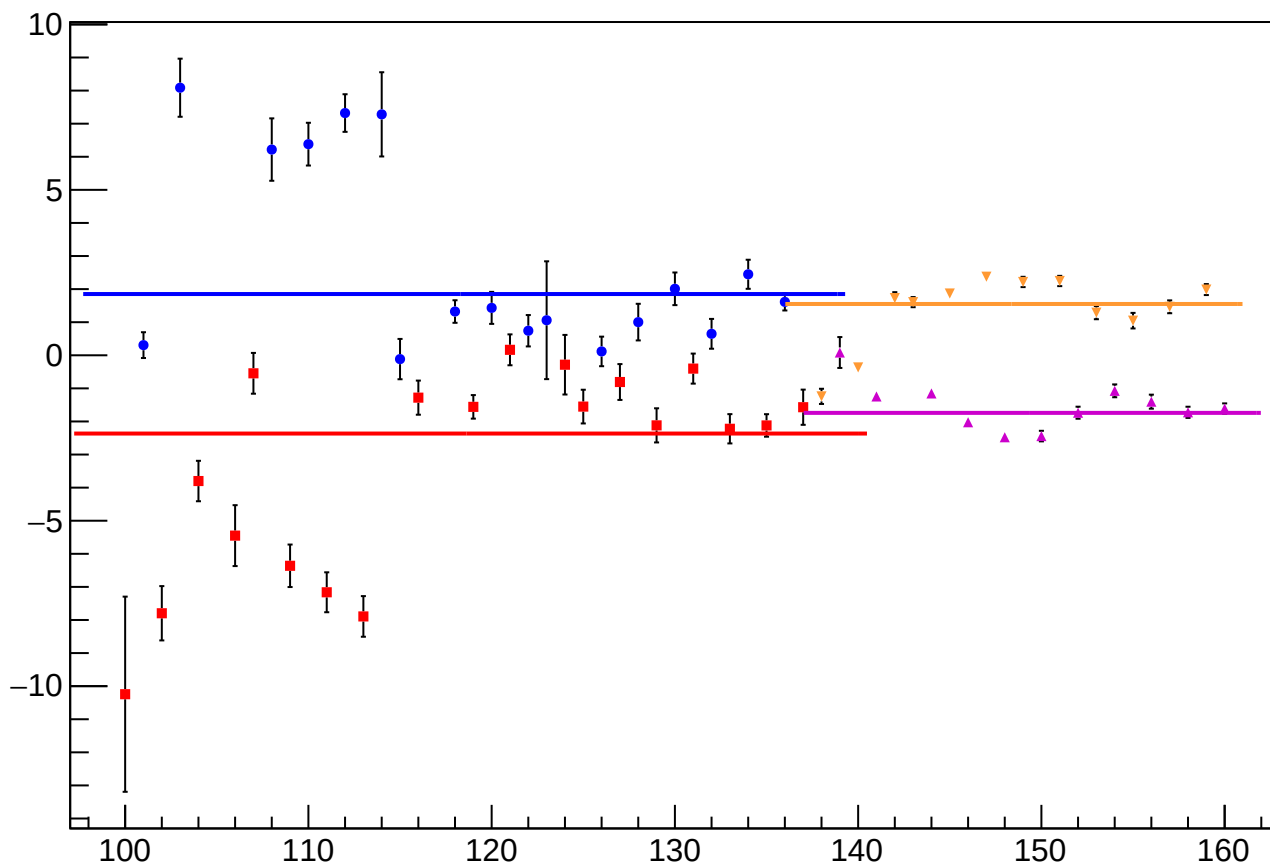
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 5.700 $\pm$ 0.067 χ^2/NDF :1337.0/11
 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

5.700 $\pm$ 0.067 χ^2/NDF : 1337.0/11
 0.366 $\pm$ 0.047 χ^2/NDF : 14162.1/22
 -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: 1.551 ± 0.046 χ^2/NDF : 435.2/11

Right Out: -2.365 ± 0.123 χ^2/NDF : 336.2/18

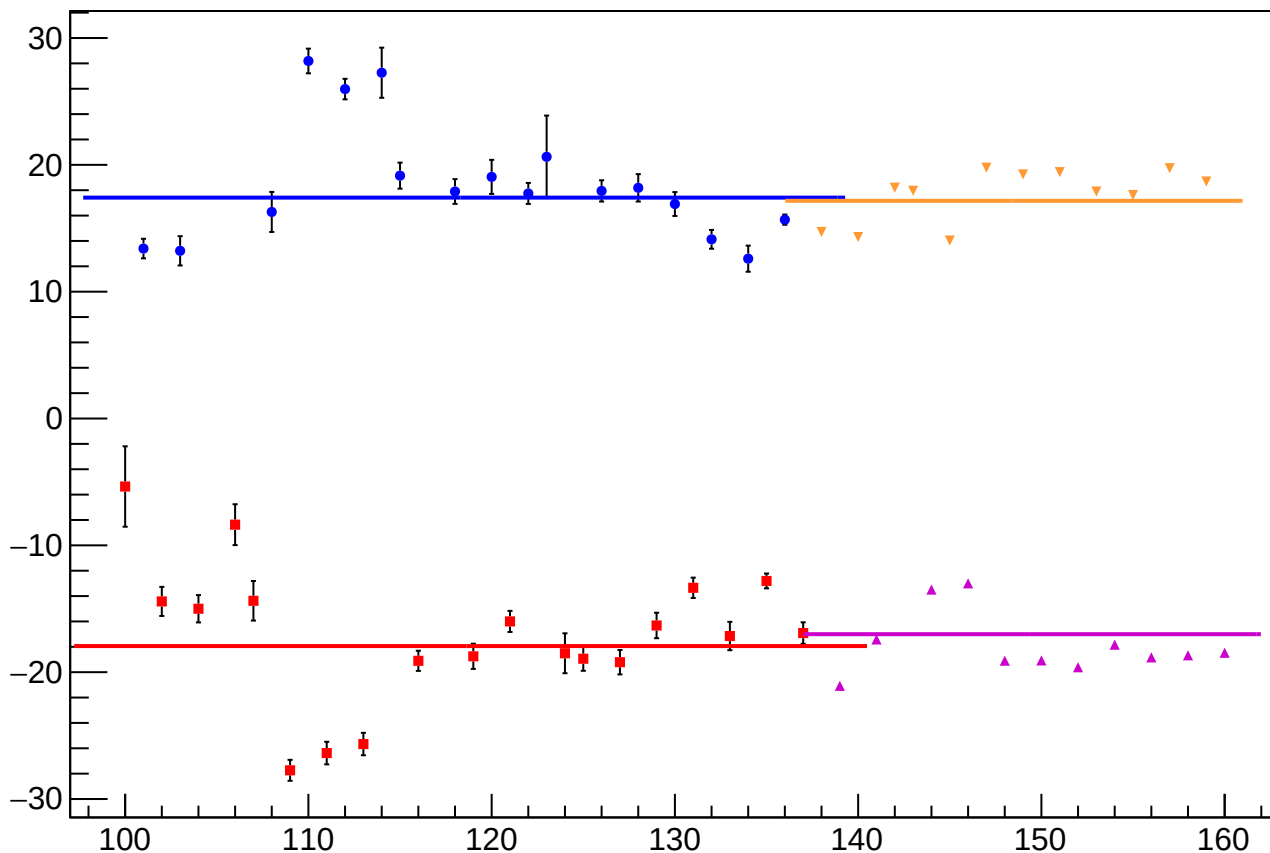
Left In: -1.741 ± 0.044 χ^2/NDF : 138.2/10

1.591 ± 0.043 χ^2/NDF : 735.1/28

-0.157 ± 0.030 χ^2/NDF : 4469.6/58

-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 $\chi^2/\text{NDF}: 367.0/16$

Left Out: 17.165 ± 0.067 $\chi^2/\text{NDF}: 1170.2/11$

Right Out: -17.941 ± 0.219 $\chi^2/\text{NDF}: 505.6/18$

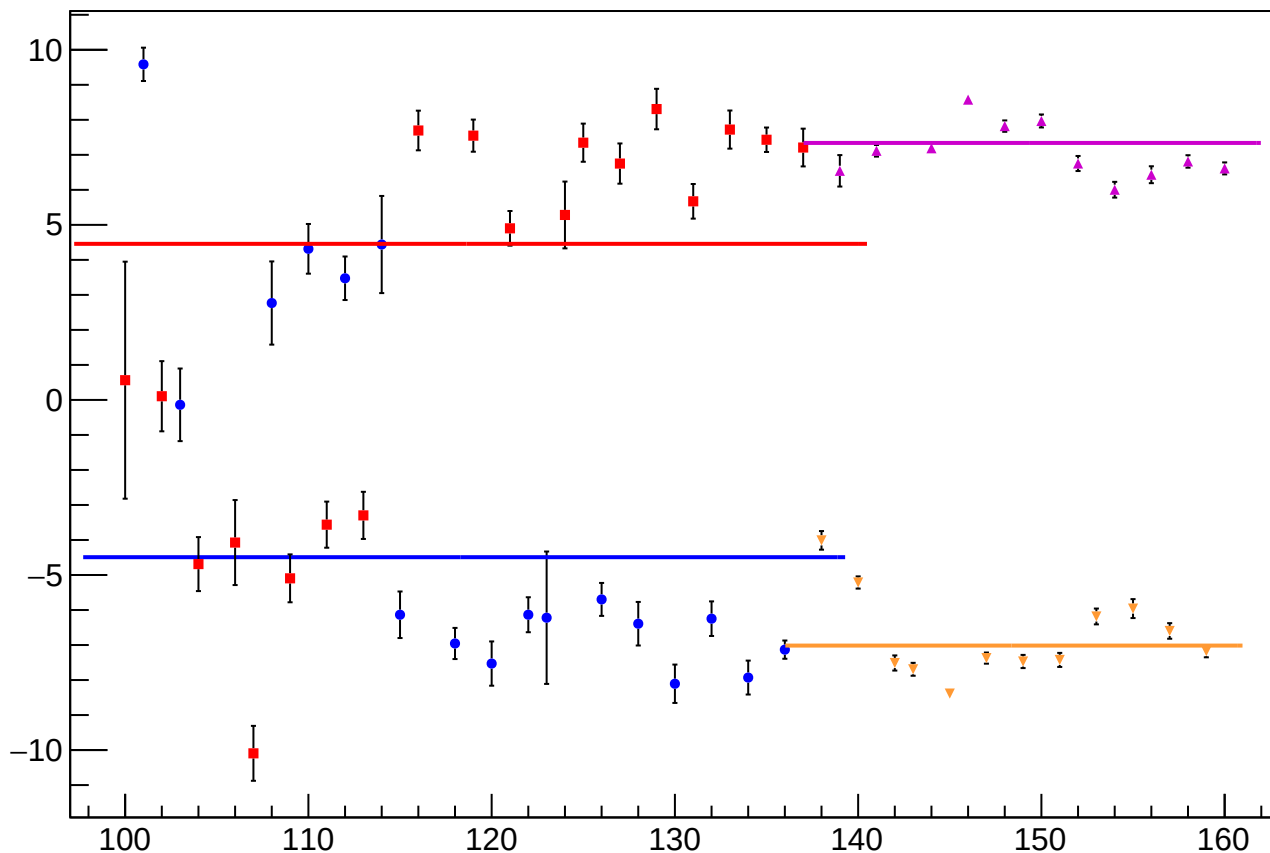
Left In: -17.004 ± 0.065 $\chi^2/\text{NDF}: 1763.4/10$

17.188 ± 0.064 $\chi^2/\text{NDF}: 1538.5/28$

-0.381 ± 0.045 $\chi^2/\text{NDF}: 151601.3/58$

-17.080 ± 0.062 $\chi^2/\text{NDF}: 2285.8/29$

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: -7.016 ± 0.055 χ^2/NDF : 394.7/11

Right Out: 4.458 ± 0.137 χ^2/NDF : 1338.9/18

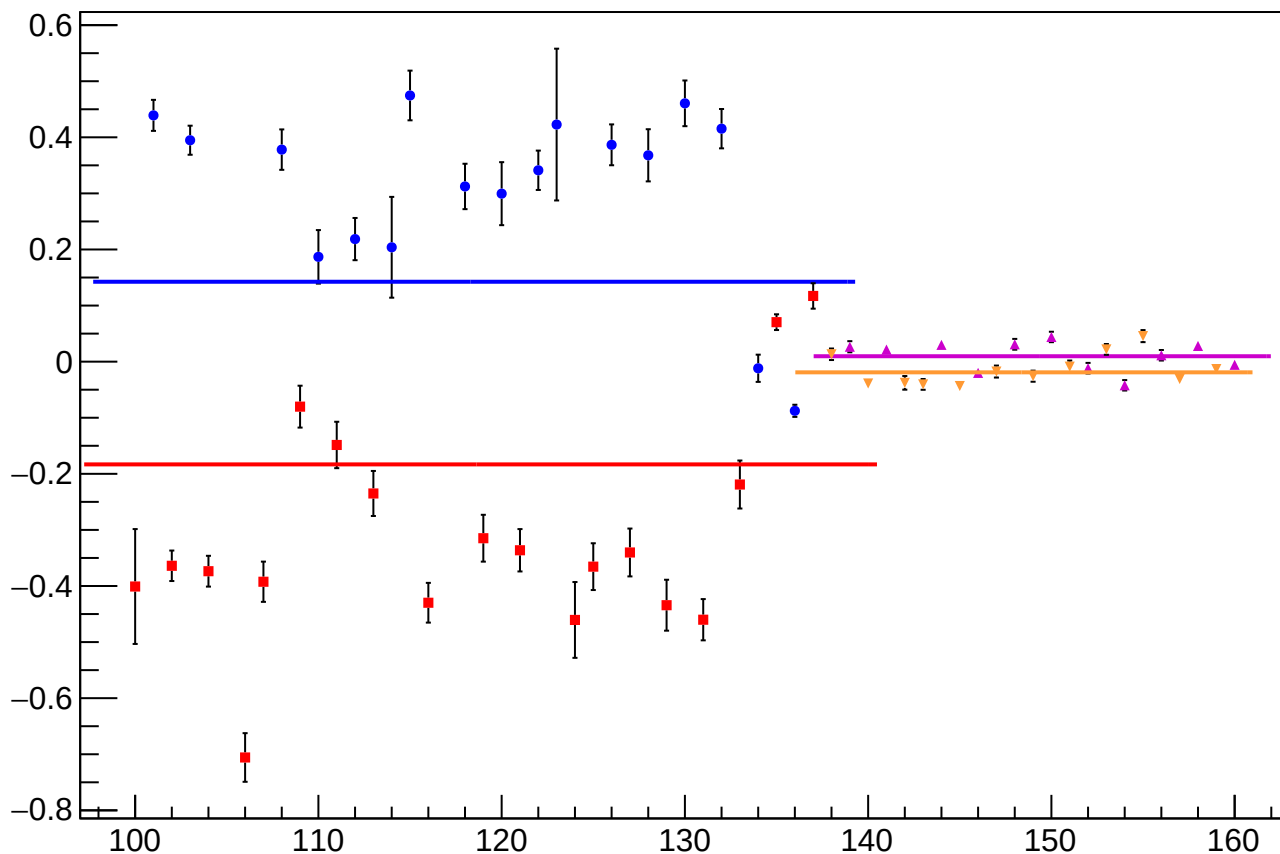
Left In: 7.340 ± 0.053 χ^2/NDF : 209.3/10

-6.630 ± 0.051 χ^2/NDF : 2297.4/28

0.348 ± 0.036 χ^2/NDF : 40715.9/58

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 $\pm$ 0.007 χ^2 /NDF: 1058.8/16

Left Out: -0.019 $\pm$ 0.003 χ^2 /NDF: 95.7/11

Right Out: -0.183 $\pm$ 0.007 χ^2 /NDF: 1000.9/18

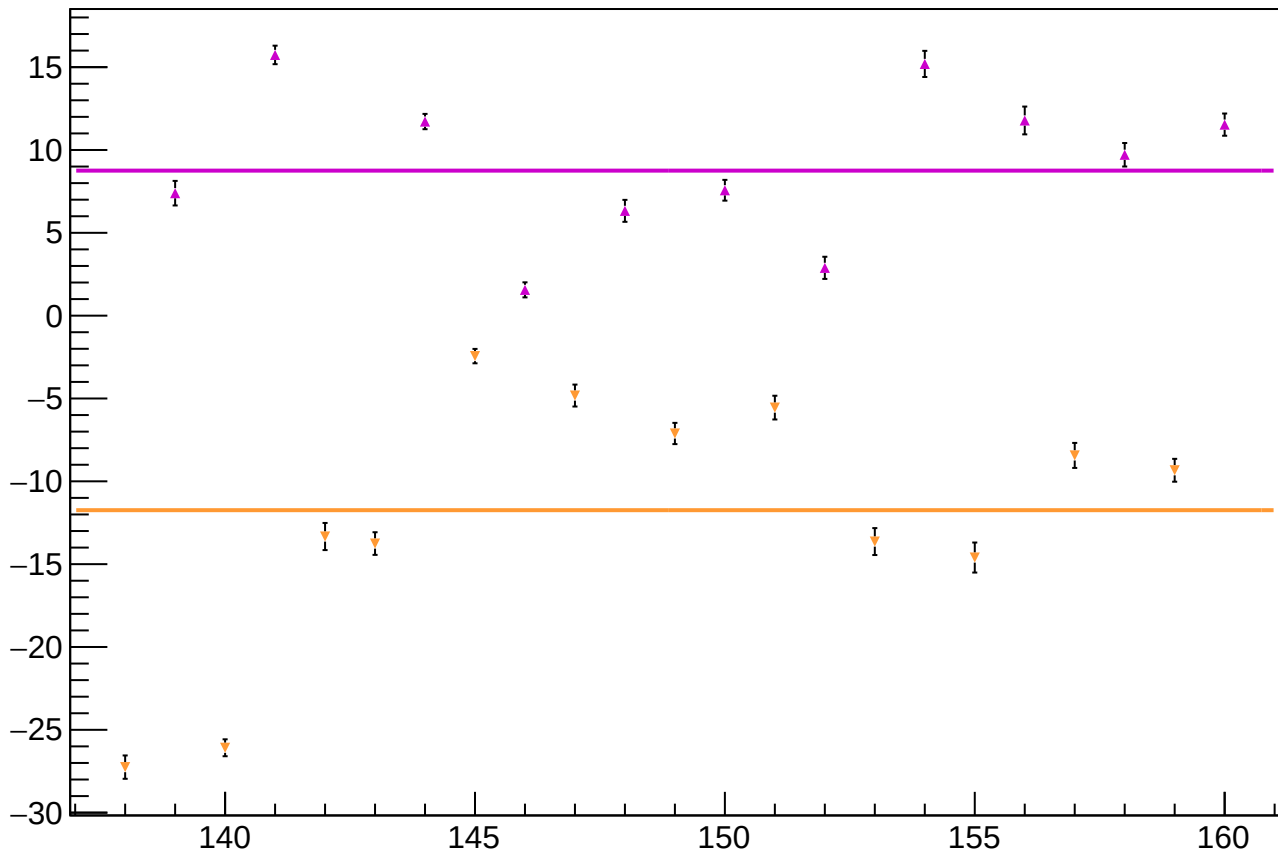
Left In: 0.010 $\pm$ 0.003 χ^2 /NDF: 92.7/10

0.001 $\pm$ 0.002 χ^2 /NDF: 1612.2/28

-0.005 $\pm$ 0.002 χ^2 /NDF: 3321.8/58

-0.011 $\pm$ 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: -11.742+/-0.189 χ^2/NDF : 2027.5/11

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

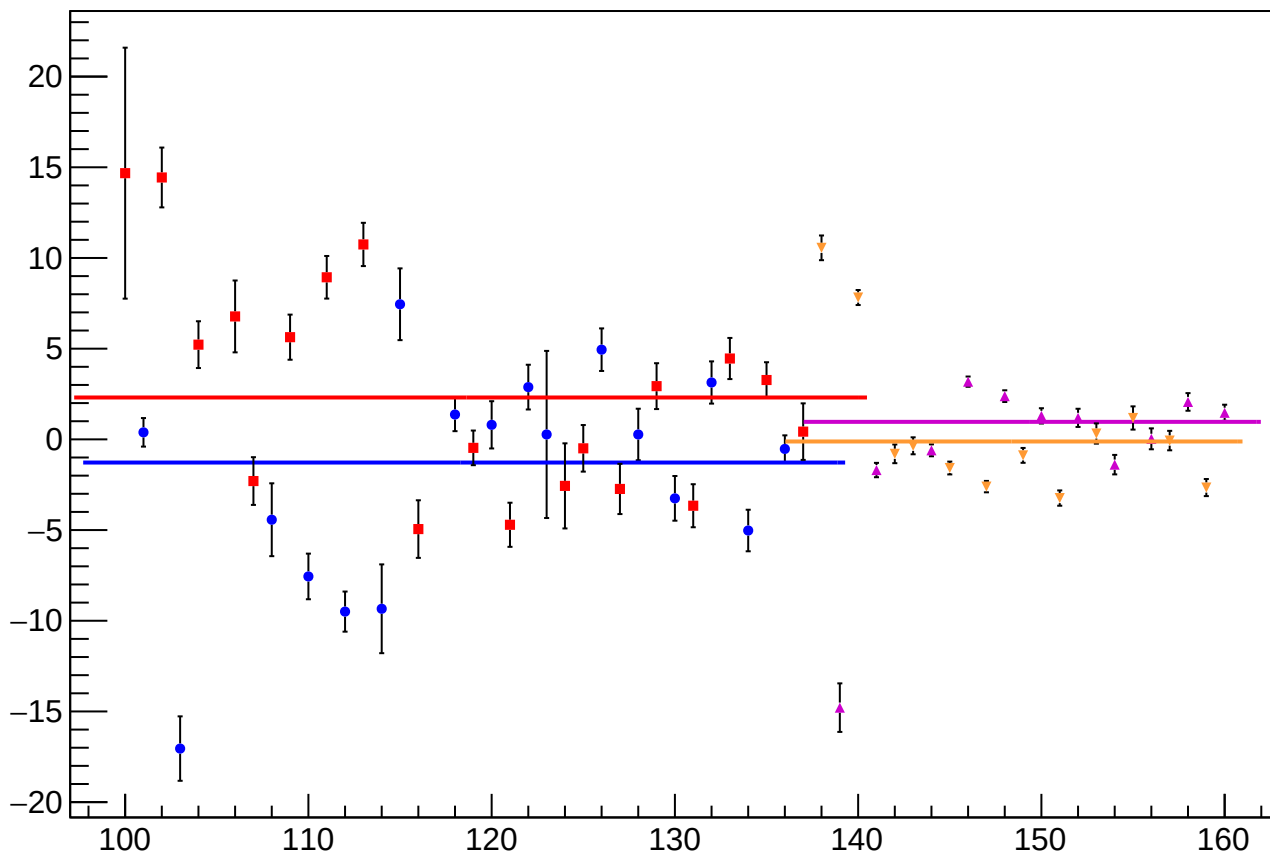
Left In: 8.755+/-0.186 χ^2/NDF : 644.3/10

-11.742+/-0.189 χ^2/NDF : 2027.5/11

-1.345+/-0.133 χ^2/NDF : 8646.2/22

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: -0.117 ± 0.130 χ^2/NDF : 786.7/11

Right Out: 2.309 ± 0.302 χ^2/NDF : 285.3/18

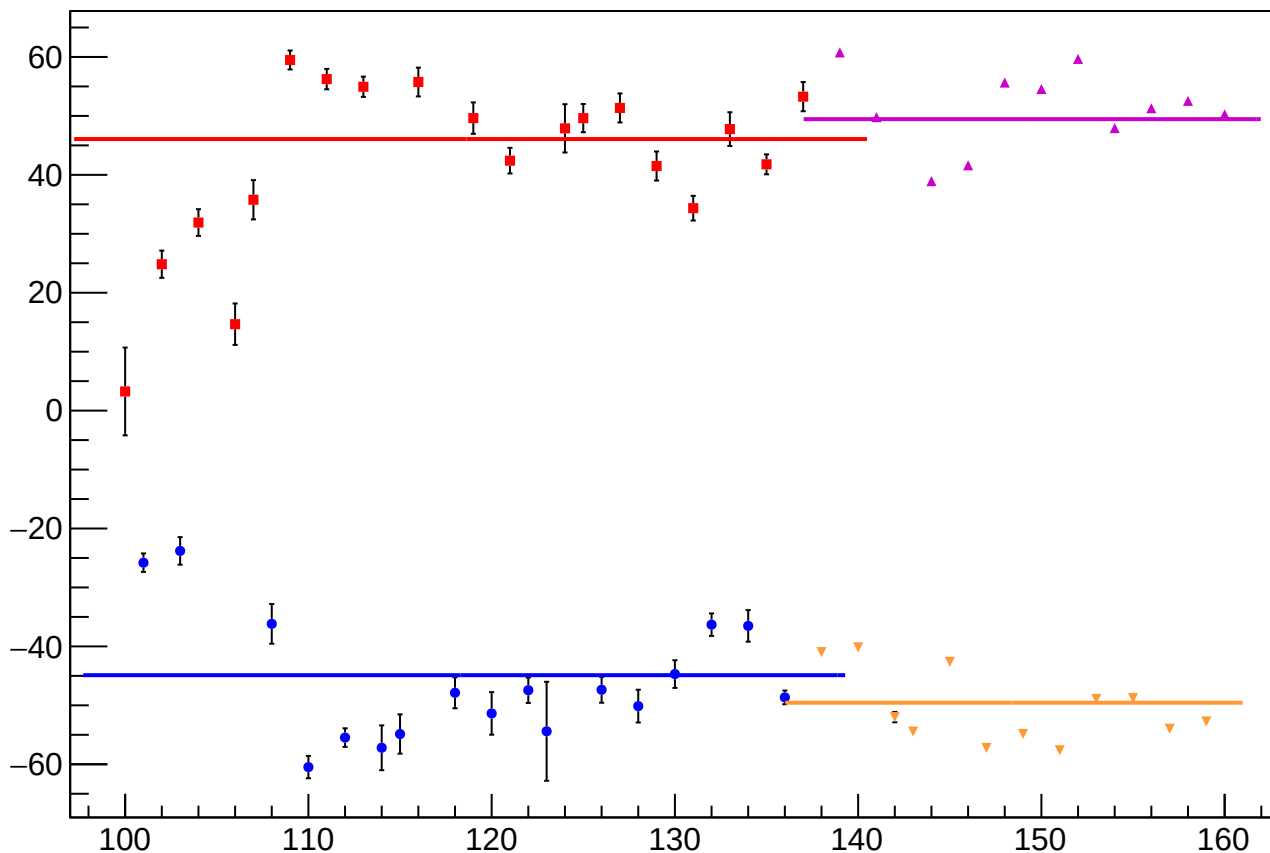
Left In: 0.965 ± 0.125 χ^2/NDF : 316.1/10

-0.307 ± 0.118 χ^2/NDF : 1076.4/28

0.444 ± 0.083 χ^2/NDF : 1773.4/58

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: -49.552±/0.188 χ^2/NDF :1141.5/11

Right Out: 46.075±/0.529 χ^2/NDF : 454.3/18

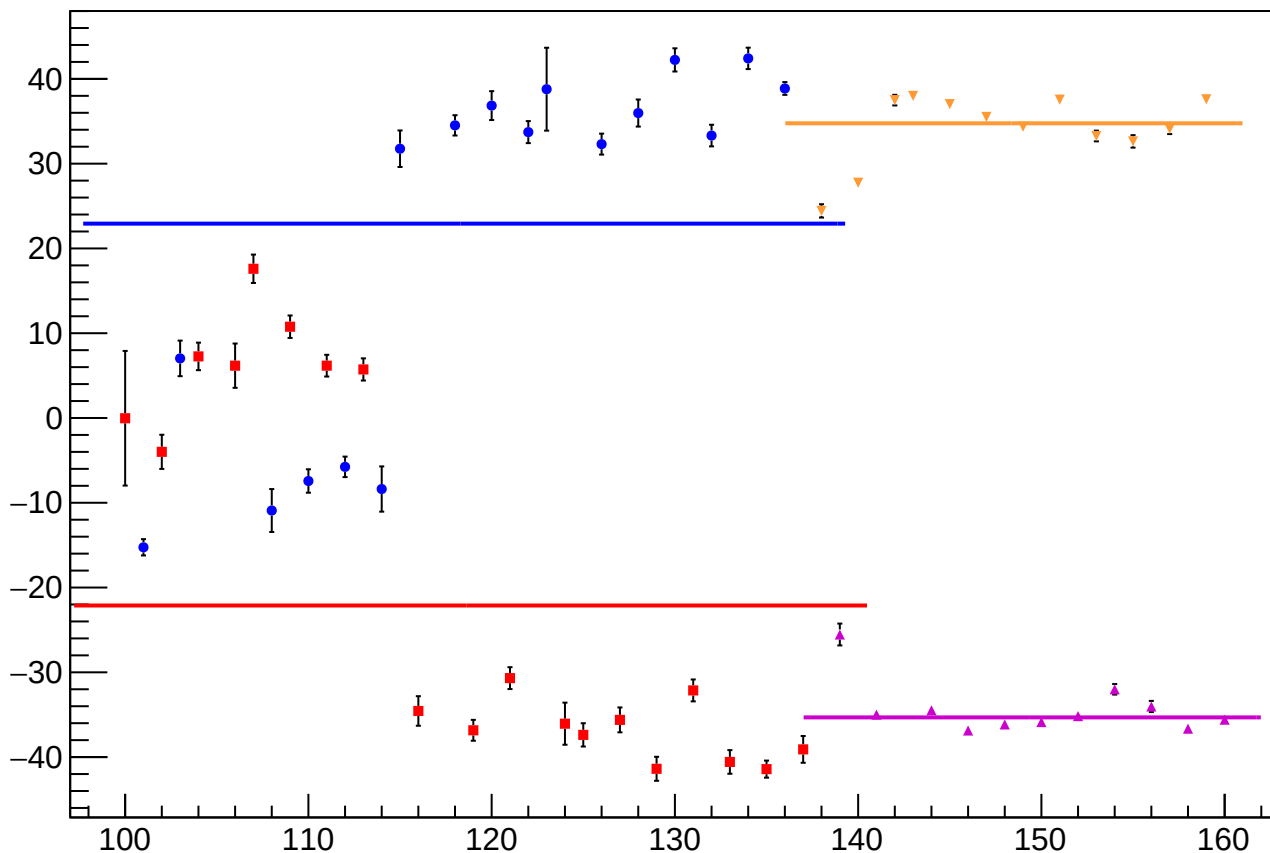
Left In: 49.455±/0.182 χ^2/NDF :1438.1/10

-49.018±/0.177 χ^2/NDF : 1632.7/28

1.413±/0.124 χ^2/NDF : 161061.1/58

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: 34.763+/-0.156 χ^2 /NDF:528.7/11

Right Out: -22.117+/-0.340 χ^2 /NDF: 4033.4/18

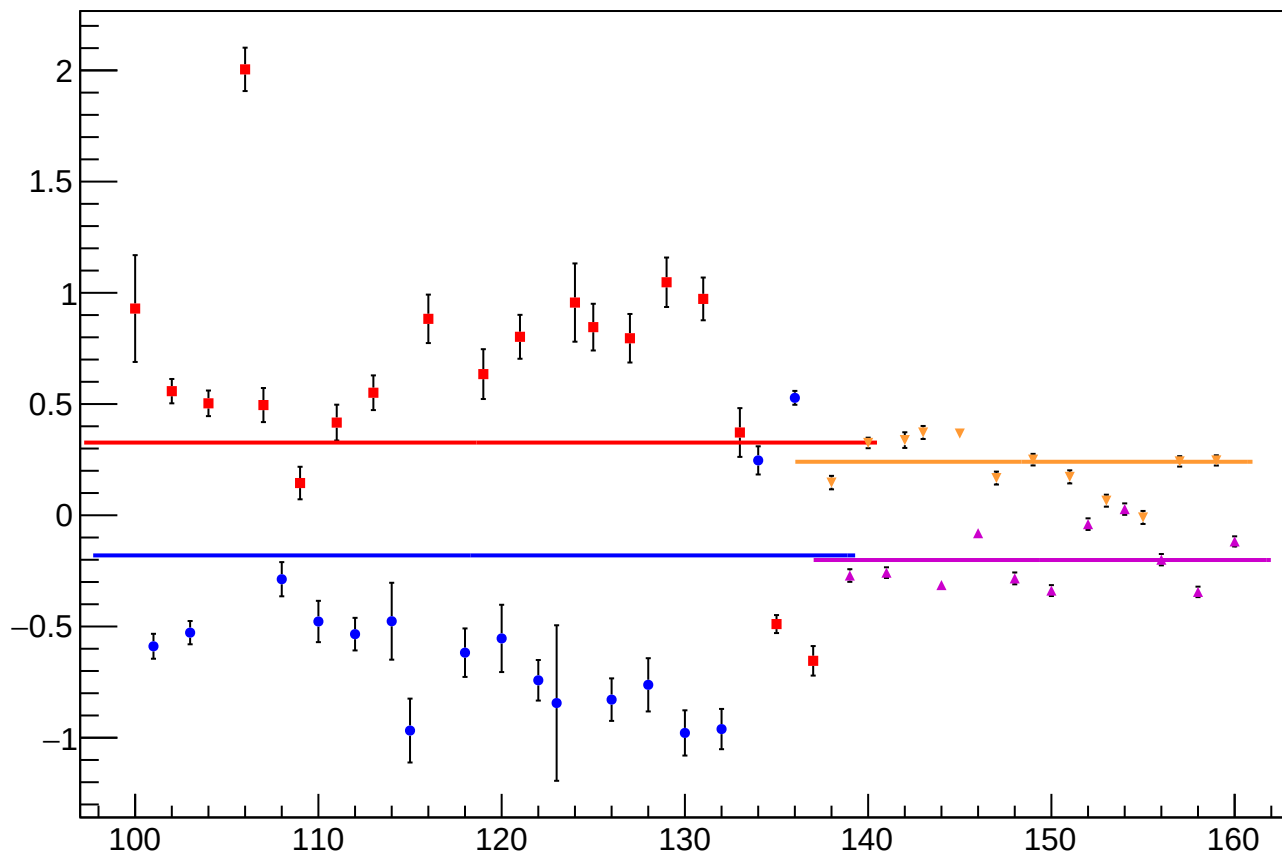
Left In: -35.318+/-0.150 χ^2 /NDF:125.6/10

32.582+/-0.141 χ^2 /NDF: 5920.9/28

-1.120+/-0.098 χ^2 /NDF: 123070.9/58

-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: 0.241 ± 0.007 χ^2/NDF : 226.7/11

Right Out: 0.327 ± 0.018 χ^2/NDF : 1175.6/18

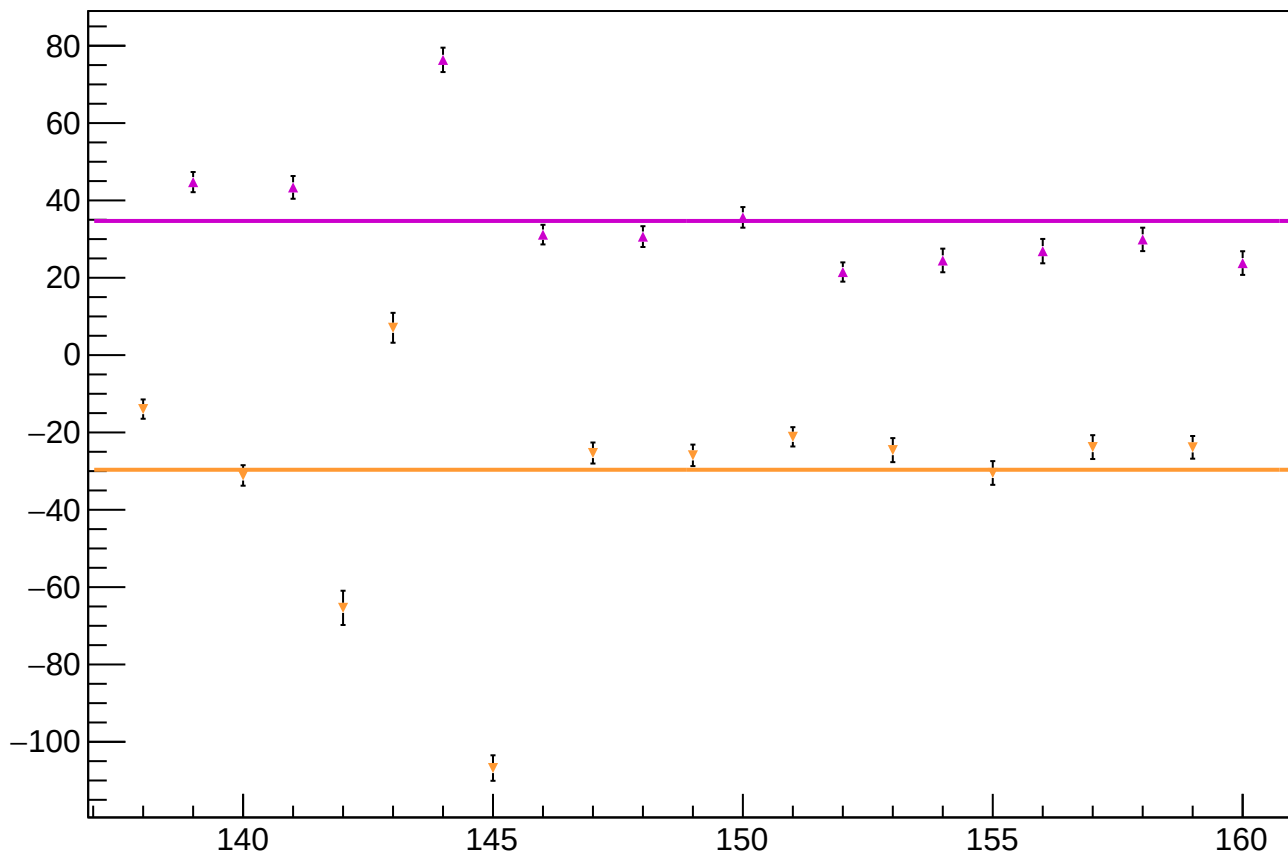
Left In: -0.201 ± 0.007 χ^2/NDF : 283.2/10

0.177 ± 0.007 χ^2/NDF : 1699.6/28

0.022 ± 0.005 χ^2/NDF : 4889.5/58

-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: -29.648+/-0.855 χ^2/NDF : 768.8/11

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

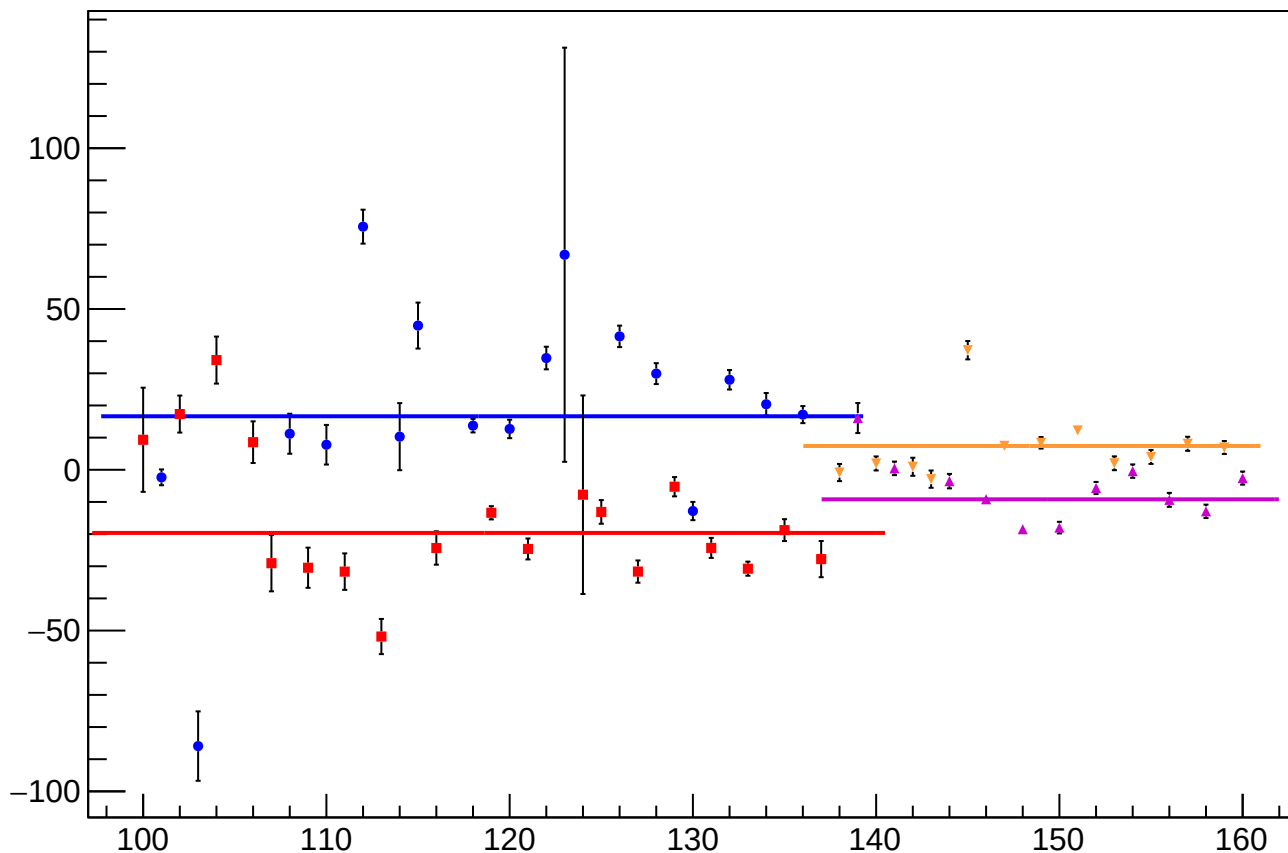
Left In: 34.692+/-0.850 χ^2/NDF : 263.1/10

-29.648+/-0.855 χ^2/NDF : 768.8/11

2.686+/-0.603 χ^2/NDF : 3878.7/22

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: 7.404 ± 0.575 χ^2/NDF : 165.2/11

Right Out: -19.632 ± 0.896 χ^2/NDF : 241.7/18

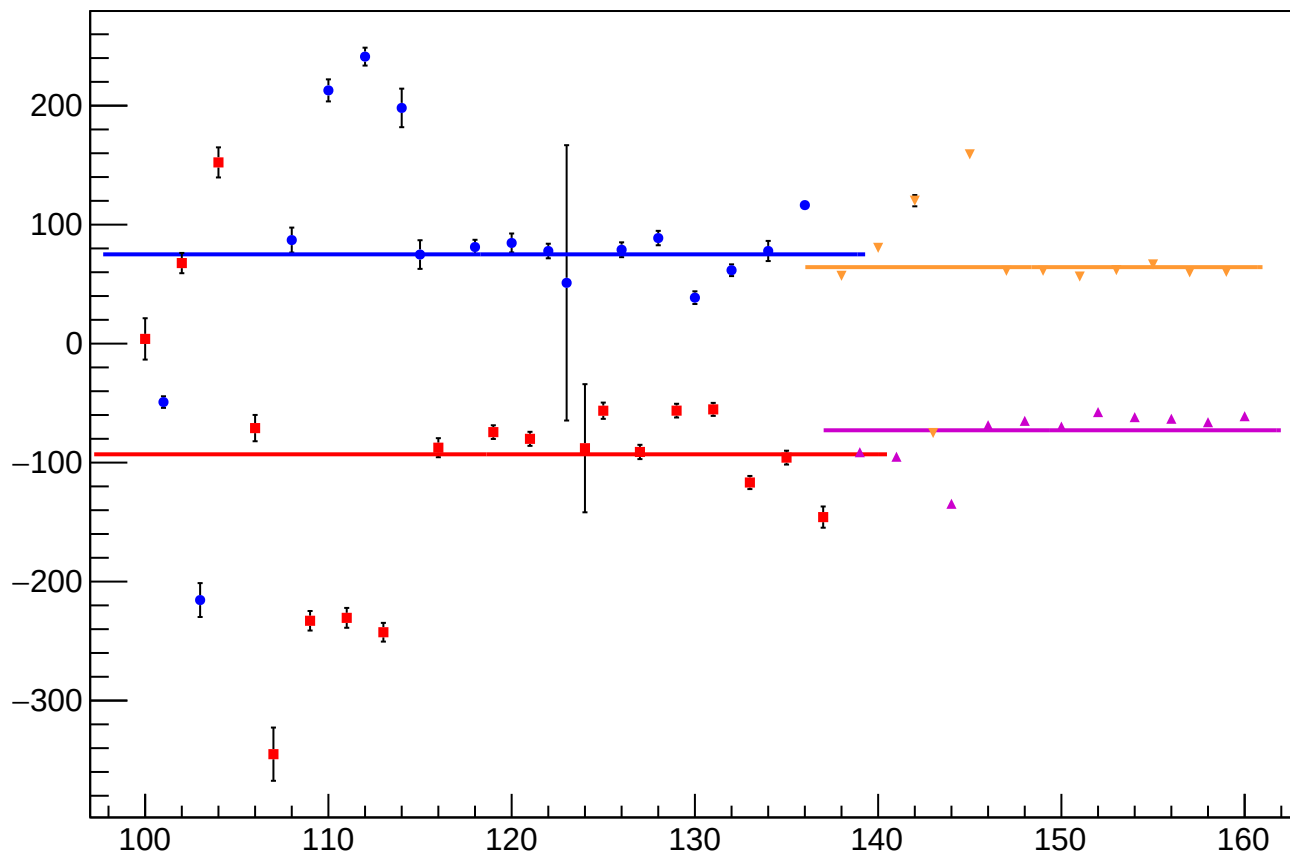
Left In: -9.187 ± 0.577 χ^2/NDF : 165.7/10

10.260 ± 0.478 χ^2/NDF : 764.0/28

-0.819 ± 0.340 χ^2/NDF : 2360.9/58

-12.245 ± 0.485 χ^2/NDF : 503.4/29

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 $\pm$ 1.647 χ^2/NDF : 1999.7/16

Left Out: 64.280 $\pm$ 0.836 χ^2/NDF : 2107.6/11

Right Out: -93.028 $\pm$ 1.711 χ^2/NDF : 2003.6/18

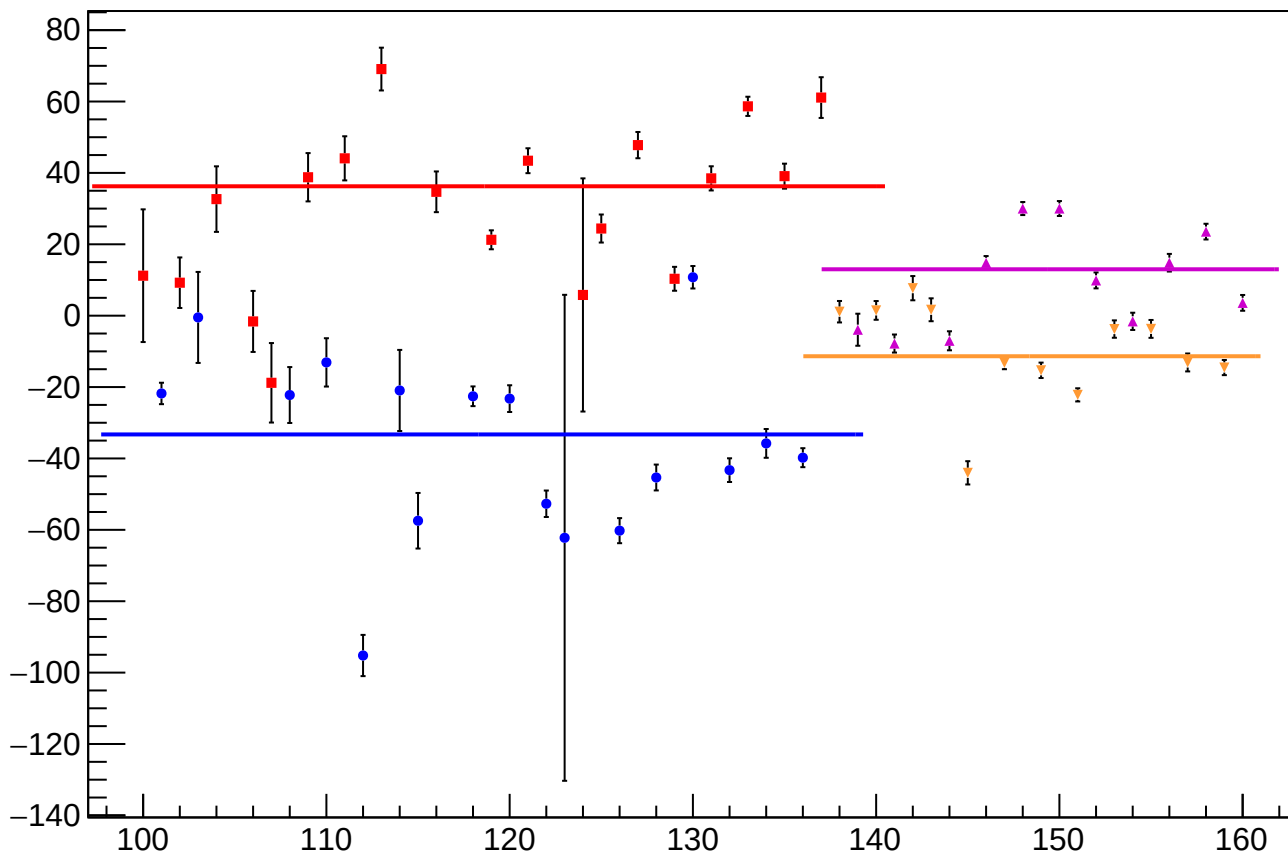
Left In: -72.836 $\pm$ 0.824 χ^2/NDF : 533.8/10

66.486 $\pm$ 0.746 χ^2/NDF : 4141.2/28

-5.371 $\pm$ 0.526 χ^2/NDF : 25284.1/58

-76.639 $\pm$ 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: -11.365 ± 0.695 $\chi^2/\text{NDF}: 250.3/11$

Right Out: 36.251 ± 1.024 $\chi^2/\text{NDF}: 297.6/18$

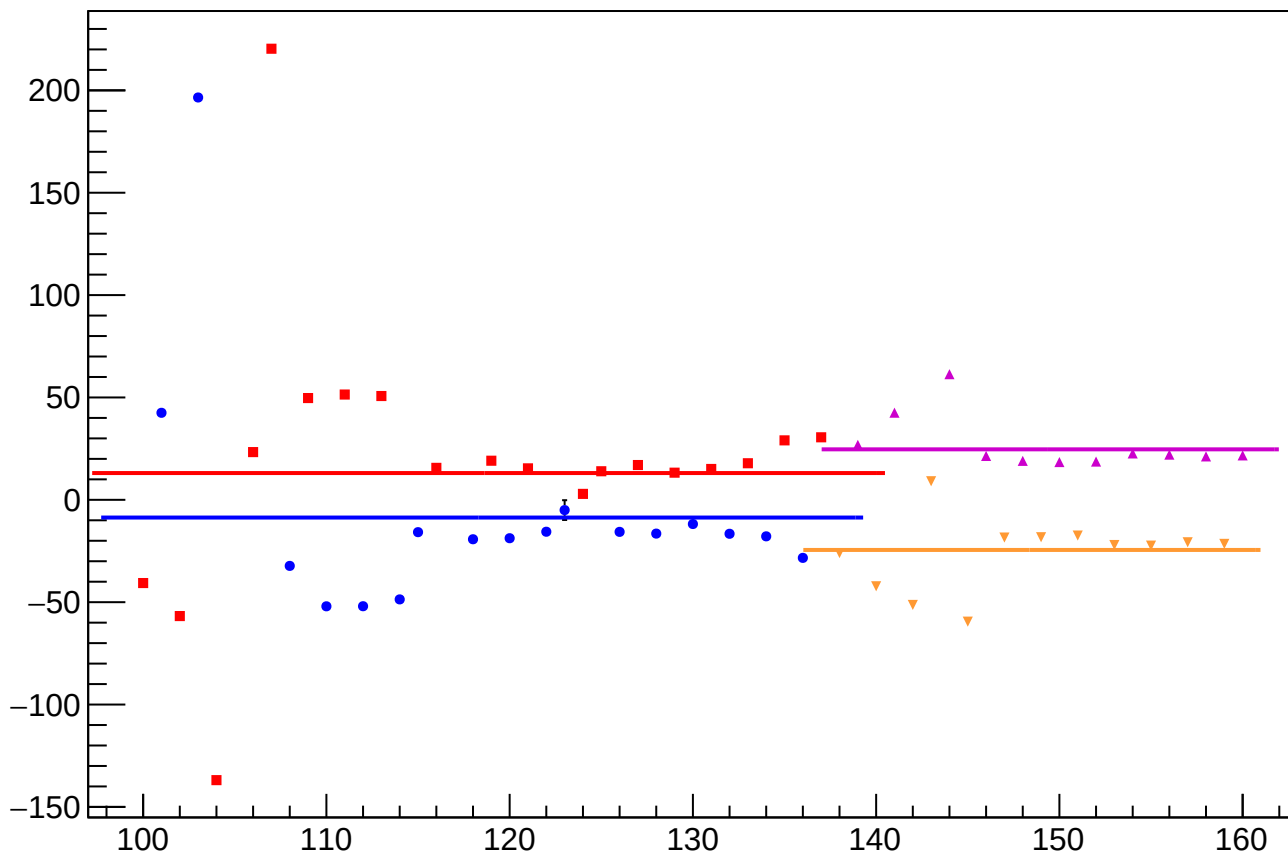
Left In: 12.999 ± 0.690 $\chi^2/\text{NDF}: 372.3/10$

-18.682 ± 0.568 $\chi^2/\text{NDF}: 1071.1/28$

0.627 ± 0.403 $\chi^2/\text{NDF}: 4430.4/58$

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: -24.483 ± 0.033 $\chi^2/\text{NDF}: 163190.3/11$

Right Out: 13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

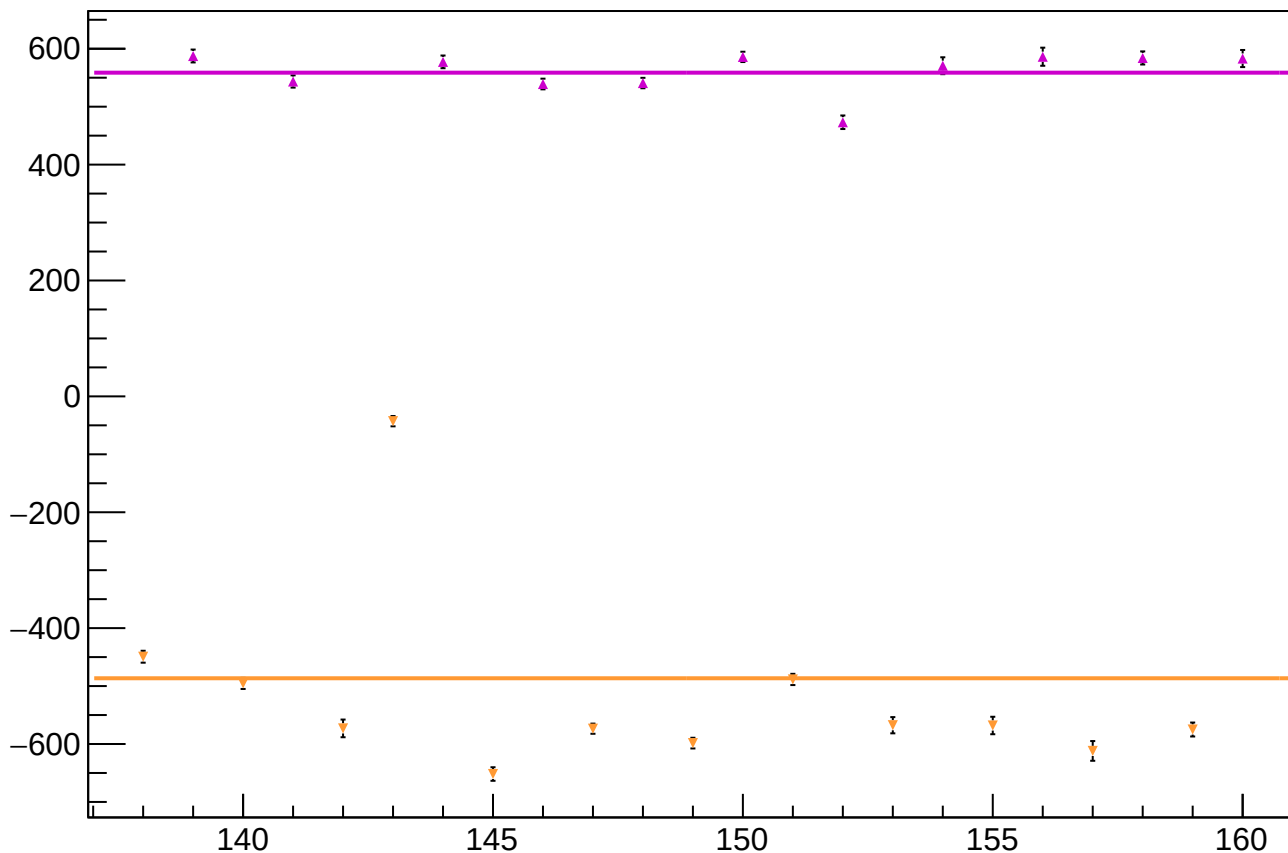
Left In: 24.656 ± 0.032 $\chi^2/\text{NDF}: 96415.6/10$

-20.754 ± 0.029 $\chi^2/\text{NDF}: 793775.8/28$

0.905 ± 0.020 $\chi^2/\text{NDF}: 2607638.8/58$

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: -486.538+/-3.167 χ^2/NDF : 3148.0/11

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

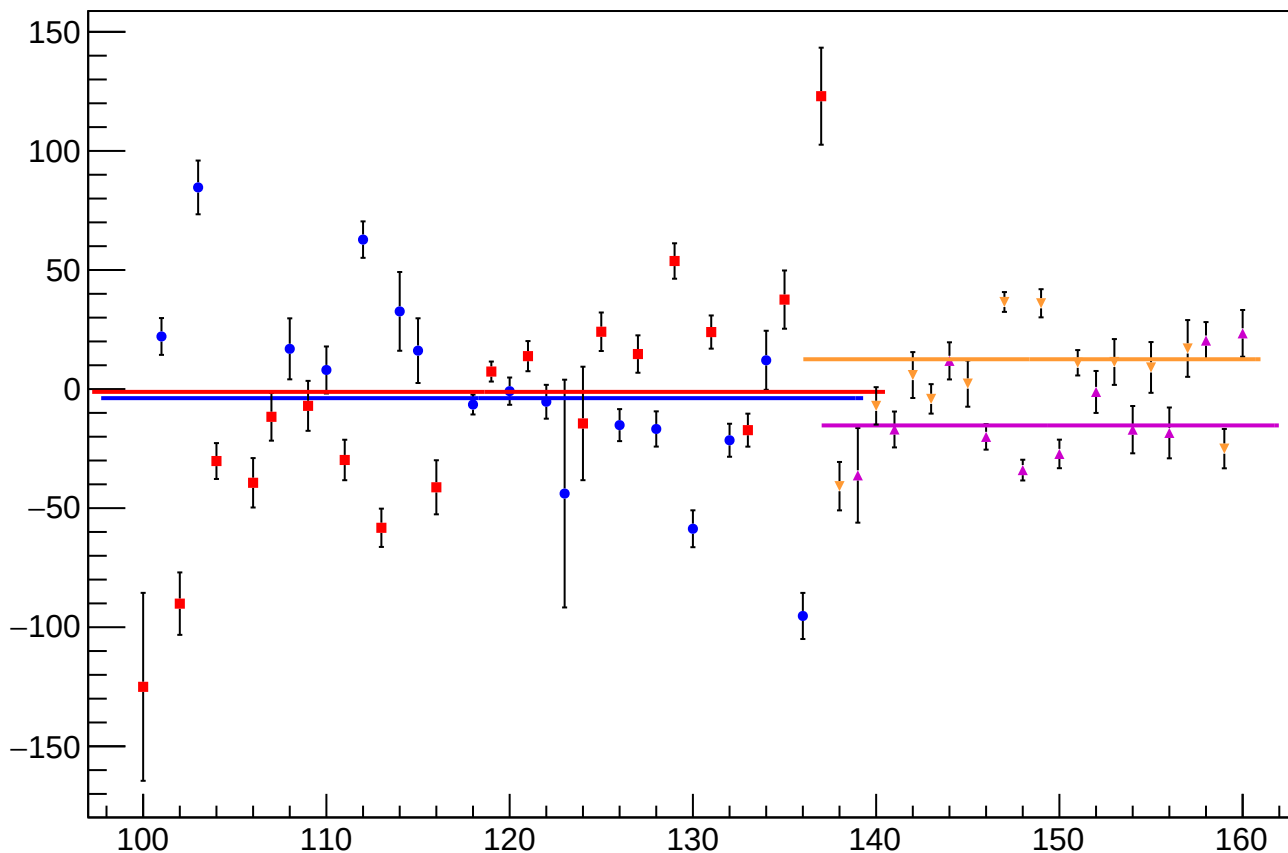
Left In: 558.688+/-3.321 χ^2/NDF : 94.6/10

-486.538+/-3.167 χ^2/NDF : 3148.0/11

11.204+/-2.292 χ^2/NDF : 55125.8/22

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 $\chi^2/\text{NDF}: 314.3/16$

Left Out: 12.523 ± 2.058 $\chi^2/\text{NDF}: 112.7/11$

Right Out: -1.175 ± 1.914 $\chi^2/\text{NDF}: 303.9/18$

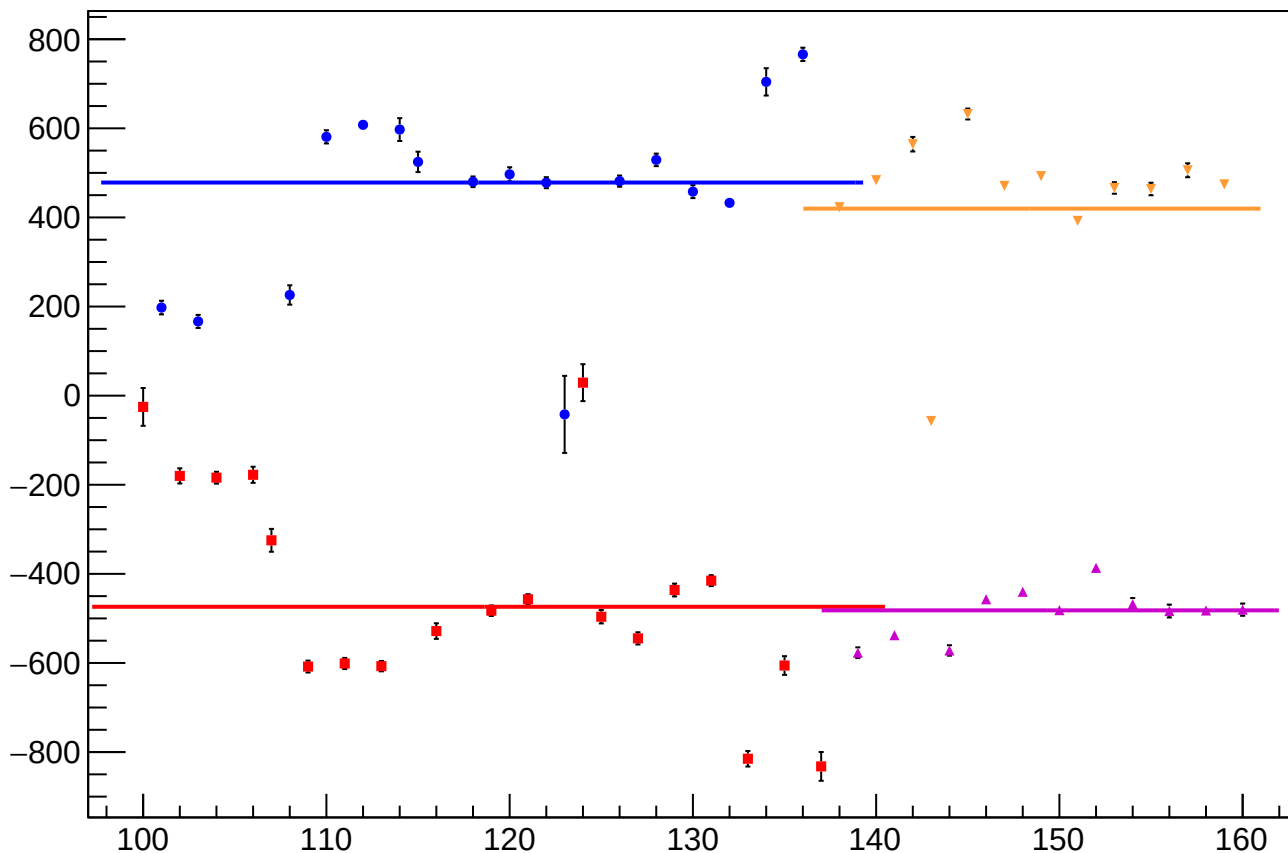
Left In: -15.264 ± 2.178 $\chi^2/\text{NDF}: 75.8/10$

3.801 ± 1.405 $\chi^2/\text{NDF}: 460.7/28$

-1.627 ± 1.005 $\chi^2/\text{NDF}: 894.5/58$

-7.313 ± 1.438 $\chi^2/\text{NDF}: 403.3/29$

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: 419.787 ± 3.129 $\chi^2/\text{NDF}: 3129.1/11$

Right Out: -473.902 ± 3.531 $\chi^2/\text{NDF}: 2285.0/18$

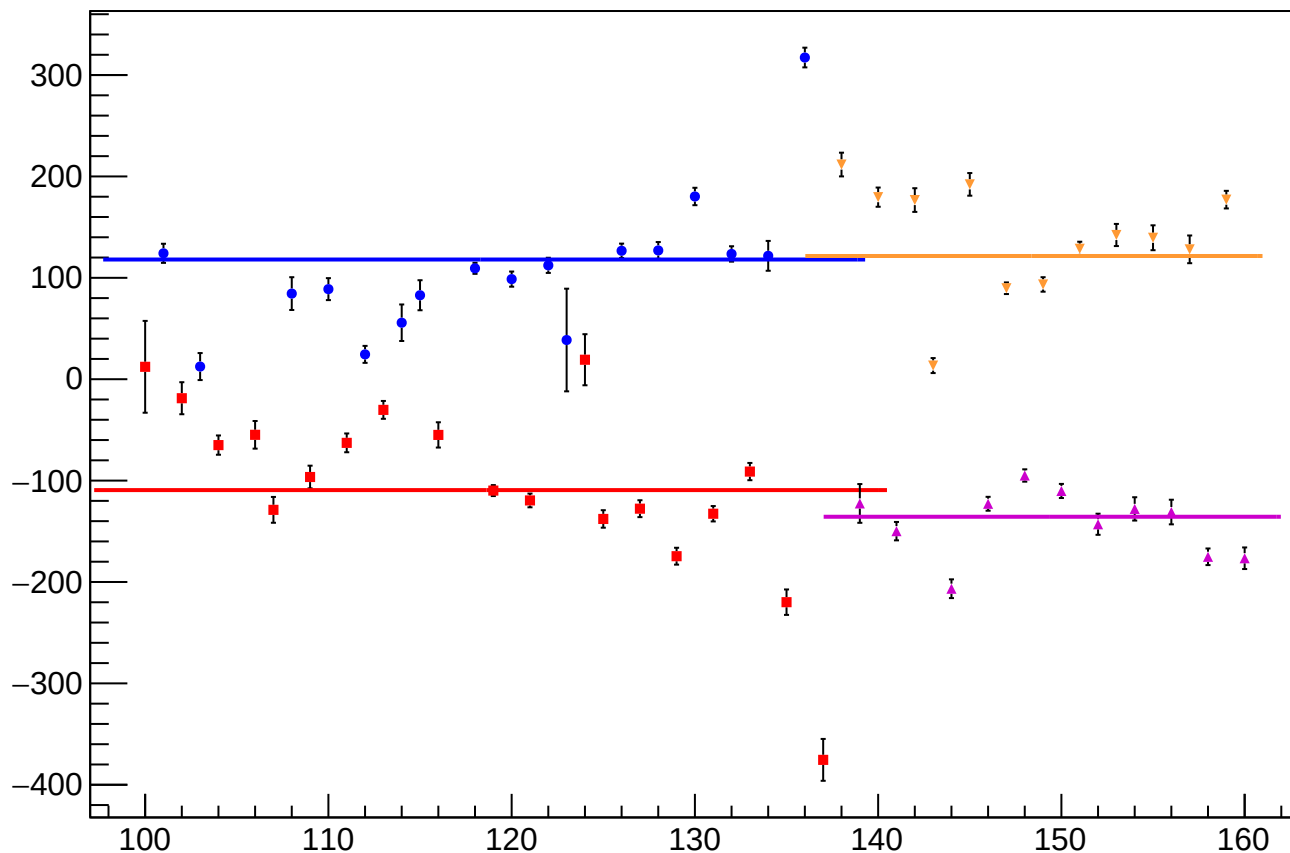
Left In: -481.946 ± 3.225 $\chi^2/\text{NDF}: 252.0/10$

444.491 ± 2.379 $\chi^2/\text{NDF}: 4905.7/28$

-16.441 ± 1.683 $\chi^2/\text{NDF}: 82612.6/58$

-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 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 121.529 ± 2.529 $\chi^2/\text{NDF}: 467.0/11$

Right Out: -109.367 ± 2.205 $\chi^2/\text{NDF}: 569.8/18$

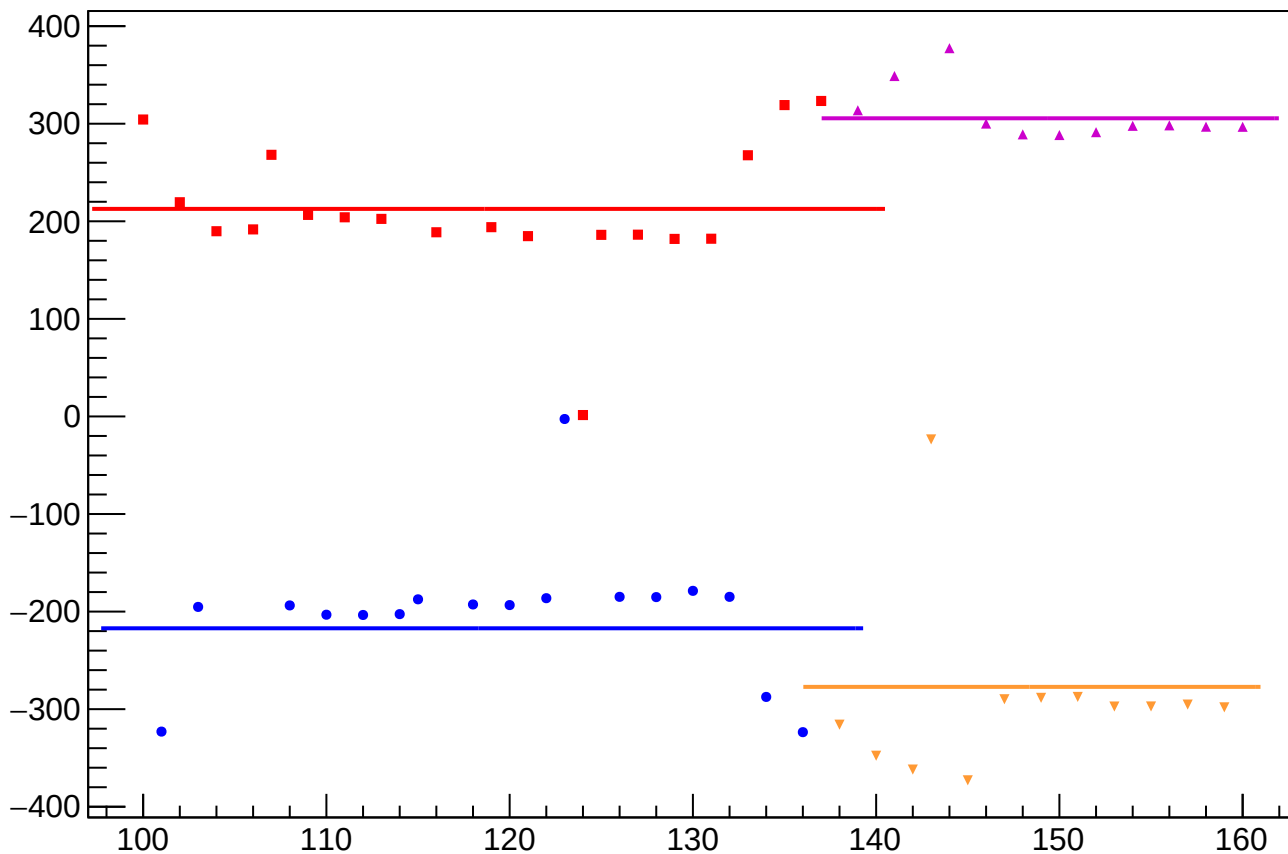
Left In: -135.653 ± 2.647 $\chi^2/\text{NDF}: 162.4/10$

119.571 ± 1.671 $\chi^2/\text{NDF}: 1173.4/28$

1.398 ± 1.190 $\chi^2/\text{NDF}: 12113.4/58$

-120.133 ± 1.694 $\chi^2/\text{NDF}: 790.4/29$

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: -277.158 ± 0.127 $\chi^2/\text{NDF}: 543359.2/11$

Right Out: 212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

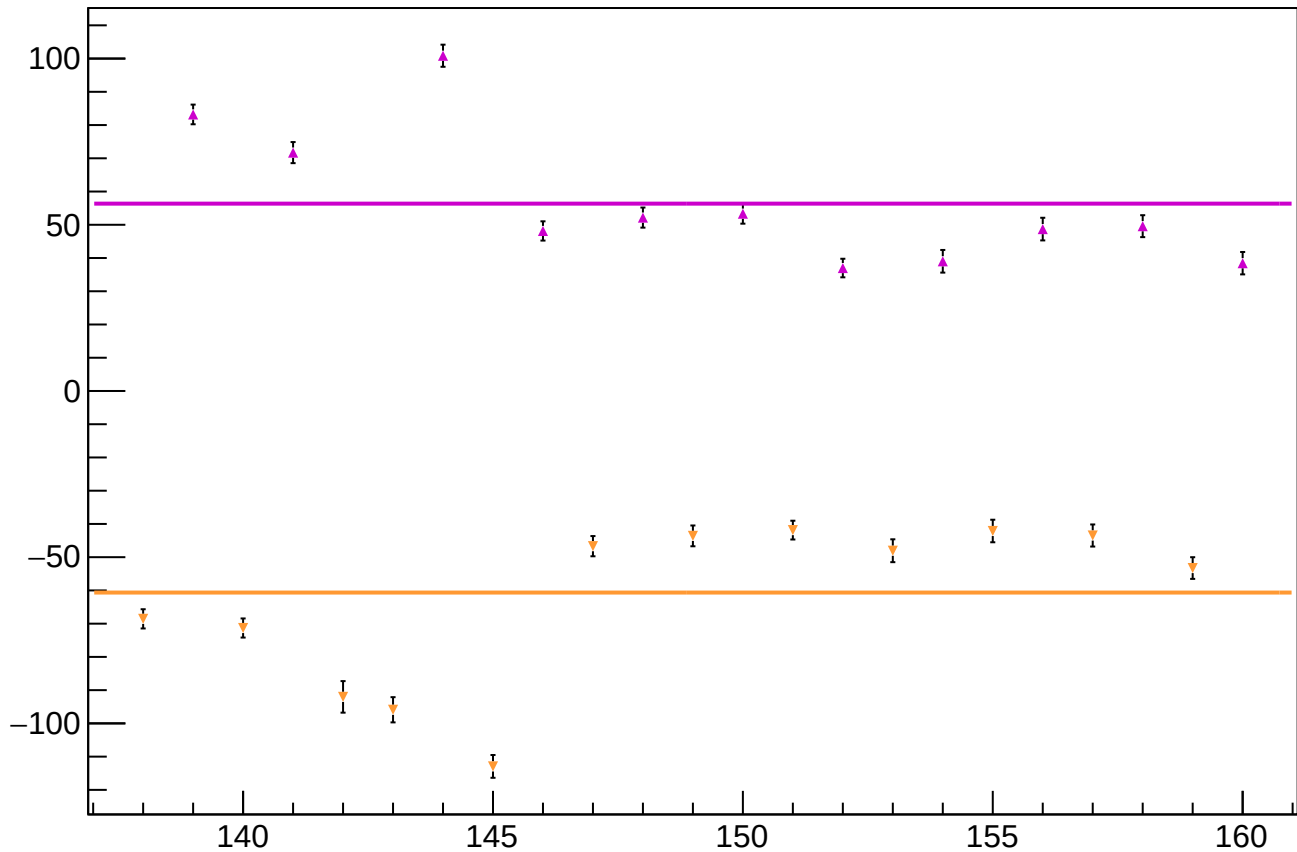
Left In: 305.555 ± 0.128 $\chi^2/\text{NDF}: 36032.4/10$

-249.377 ± 0.093 $\chi^2/\text{NDF}: 793745.7/28$

9.487 ± 0.065 $\chi^2/\text{NDF}: 16475583.1/58$

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: -60.640+/-0.940 χ^2/NDF : 554.2/11

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

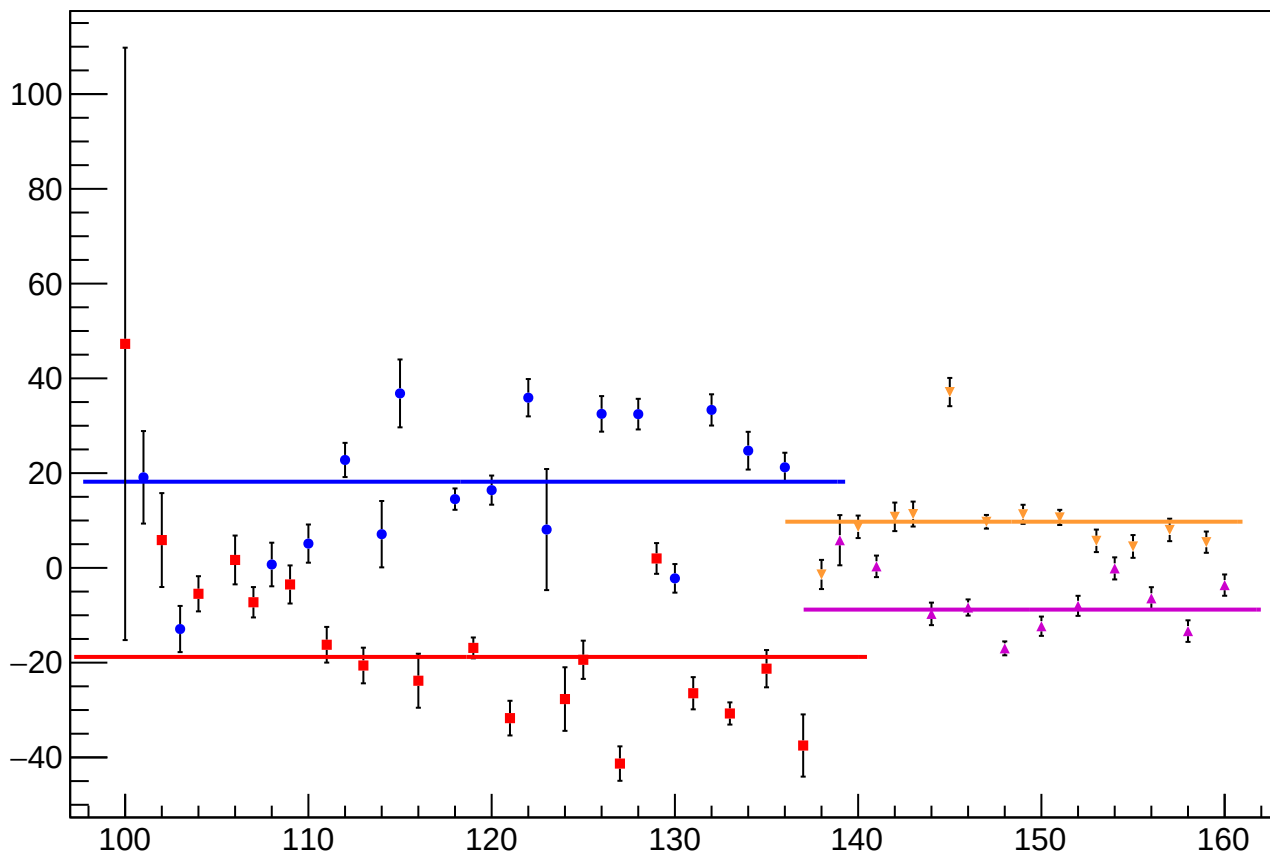
Left In: 56.358+/-0.943 χ^2/NDF : 407.2/10

-60.640+/-0.940 χ^2/NDF : 554.2/11

-2.342+/-0.666 χ^2/NDF : 8680.3/22

56.358+/-0.943 χ^2/NDF : 407.2/10

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 $\pm$ 0.917 χ^2/NDF : 204.9/16

Left Out: 9.748 $\pm$ 0.633 χ^2/NDF : 110.8/11

Right Out: -18.791 $\pm$ 0.863 χ^2/NDF : 198.8/18

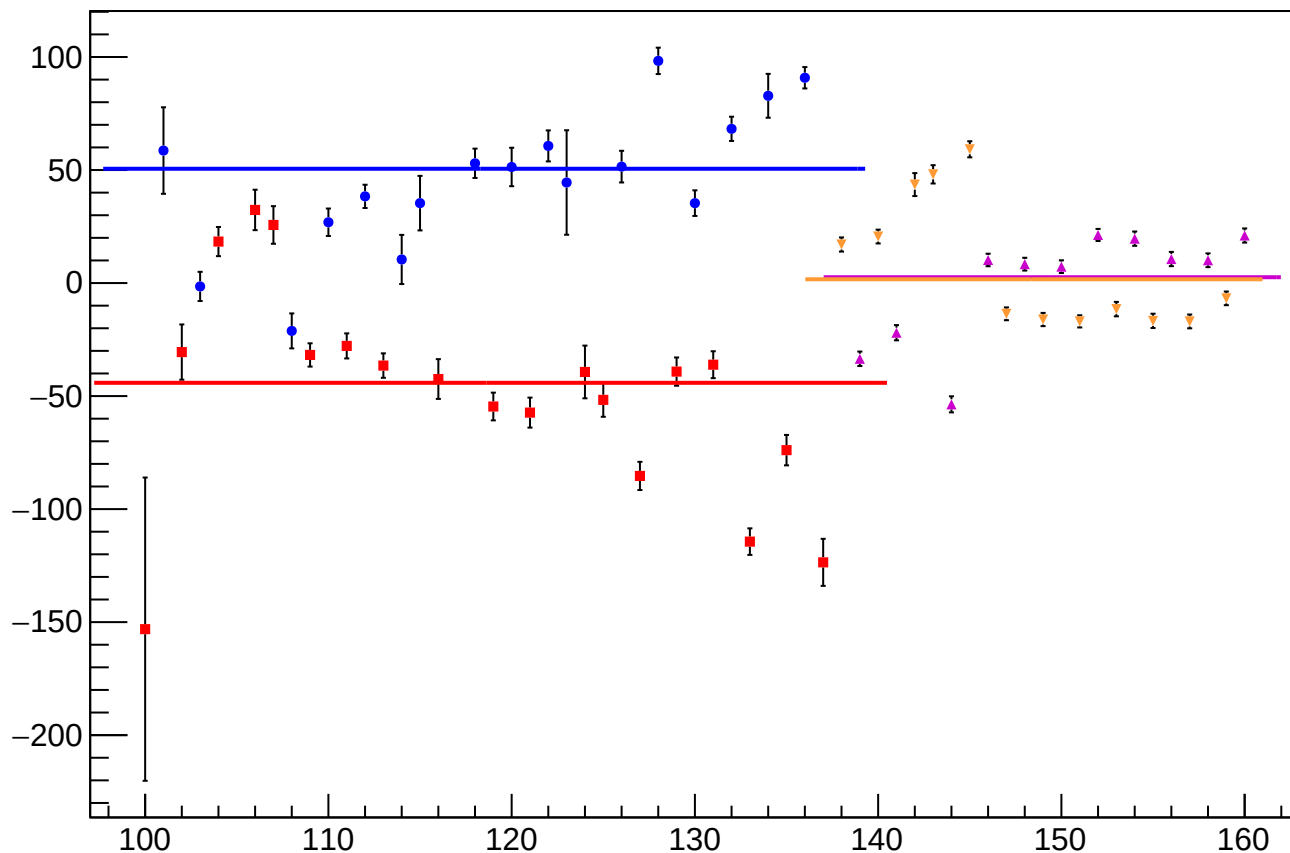
Left In: -8.805 $\pm$ 0.641 χ^2/NDF : 82.3/10

12.473 $\pm$ 0.521 χ^2/NDF : 373.0/28

-0.100 $\pm$ 0.366 χ^2/NDF : 1889.7/58

-12.358 $\pm$ 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: 1.672 $\pm$ 0.921 χ^2 /NDF: 731.8/11

Right Out: -44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

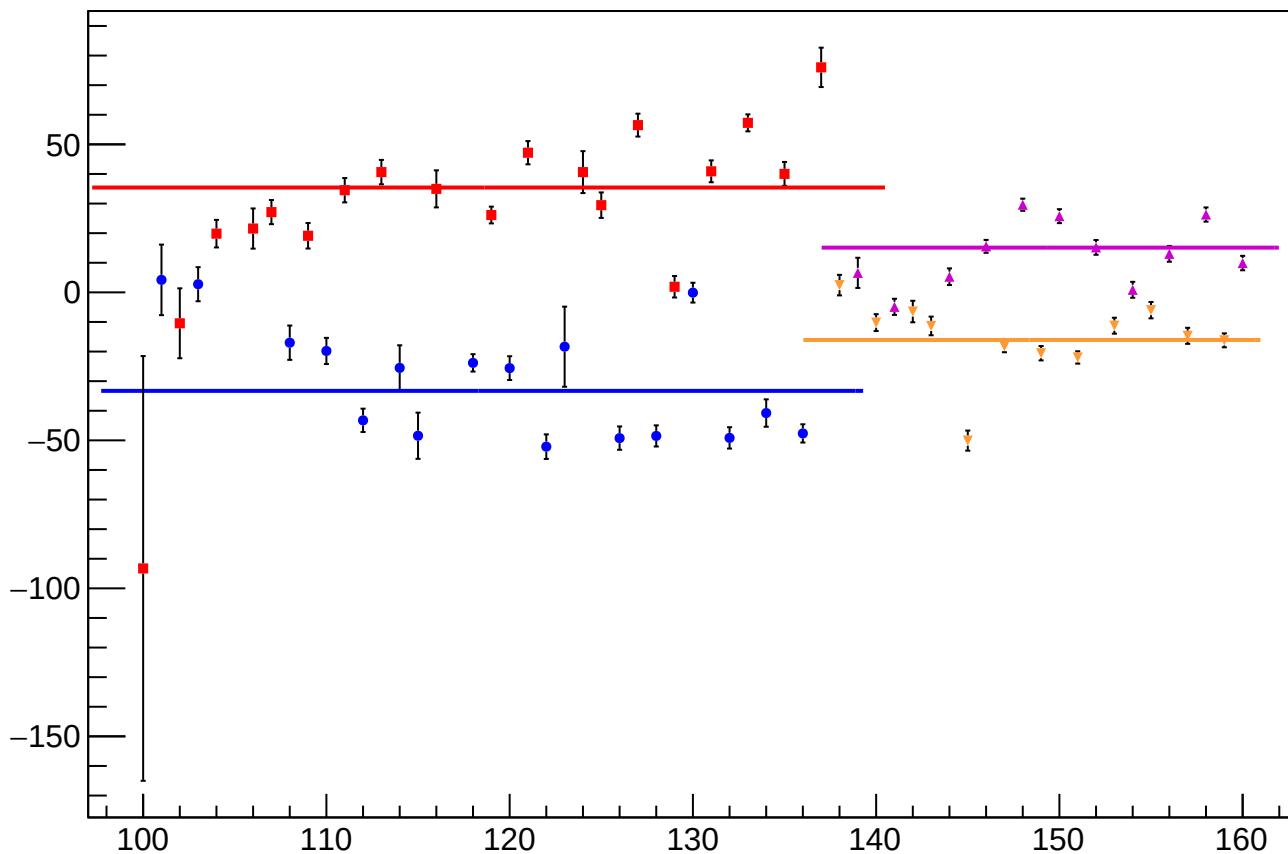
Left In: 2.580 $\pm$ 0.915 χ^2 /NDF: 569.0/10

12.996 $\pm$ 0.807 χ^2 /NDF: 1742.4/28

1.871 $\pm$ 0.566 χ^2 /NDF: 3858.6/58

-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: -16.081 ± 0.766 χ^2/NDF : 171.5/11

Right Out: 35.417 ± 0.991 χ^2/NDF : 289.7/18

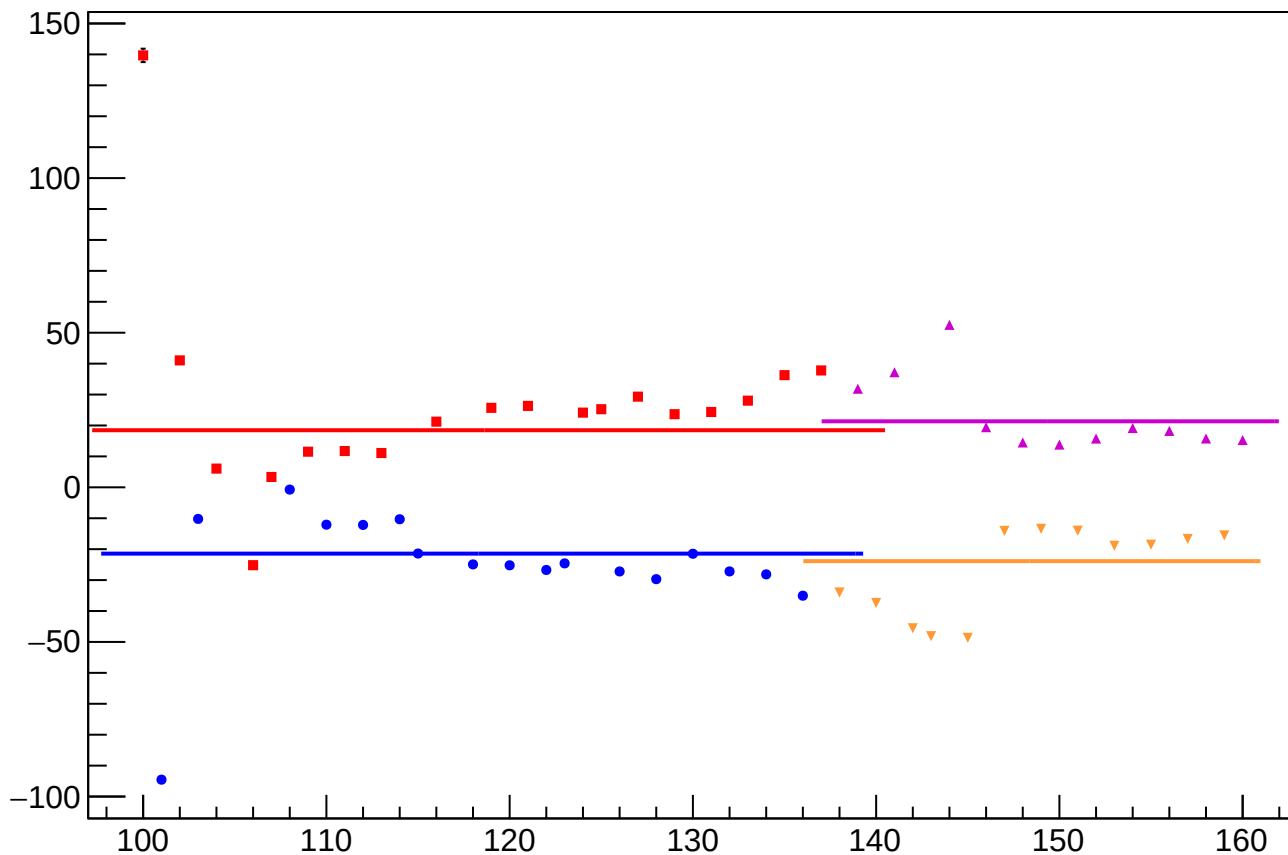
Left In: 15.112 ± 0.766 χ^2/NDF : 193.9/10

-22.101 ± 0.617 χ^2/NDF : 638.2/28

0.716 ± 0.432 χ^2/NDF : 4066.8/58

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 χ^2/NDF : 48968.5/16

Left Out: -23.875 ± 0.036 χ^2/NDF : 116399.1/11

Right Out: 18.463 ± 0.057 χ^2/NDF : 80470.6/18

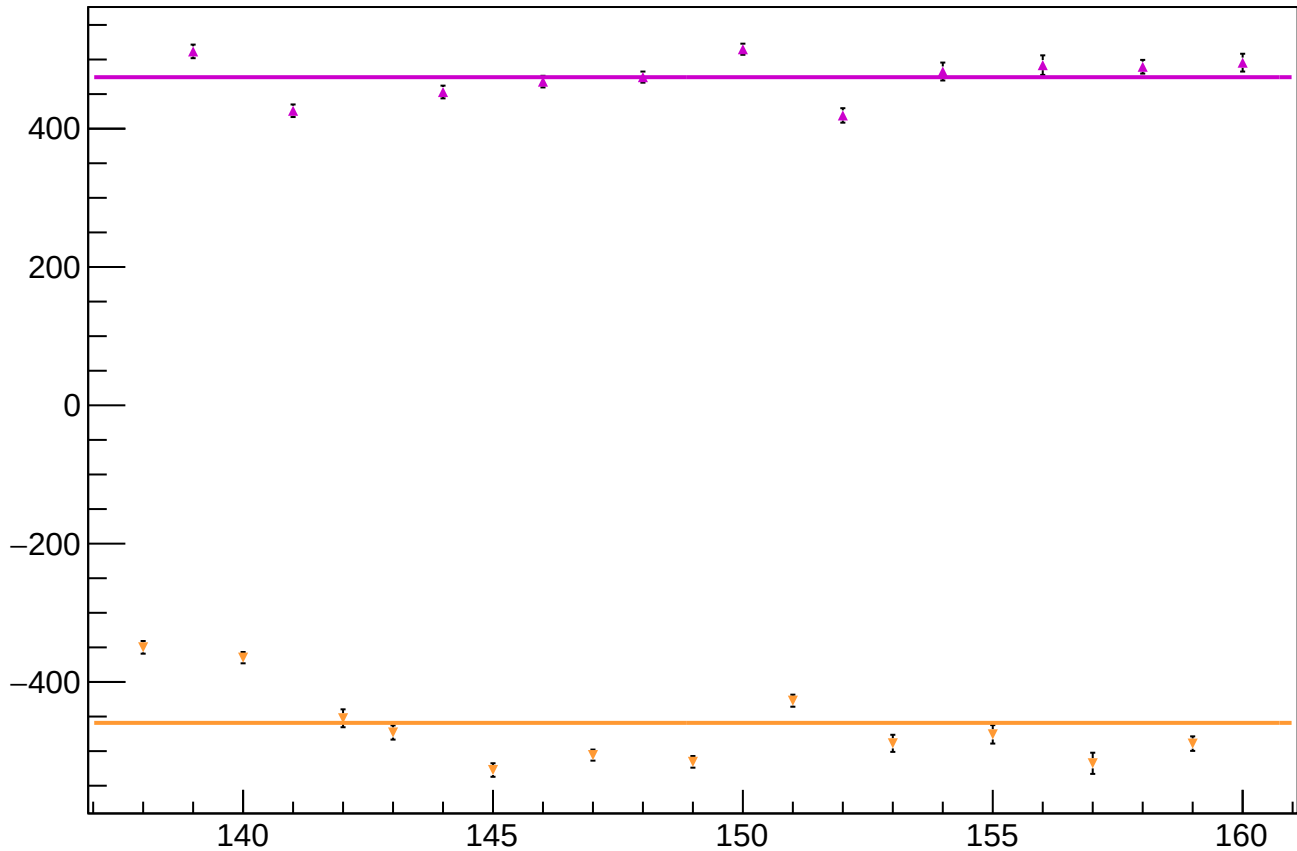
Left In: 21.347 ± 0.036 χ^2/NDF : 79332.2/10

-23.212 ± 0.031 χ^2/NDF : 166608.3/28

-0.922 ± 0.022 χ^2/NDF : 1358880.9/58

20.549 ± 0.030 χ^2/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: -459.136+/-2.874 χ^2/NDF : 447.6/11

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

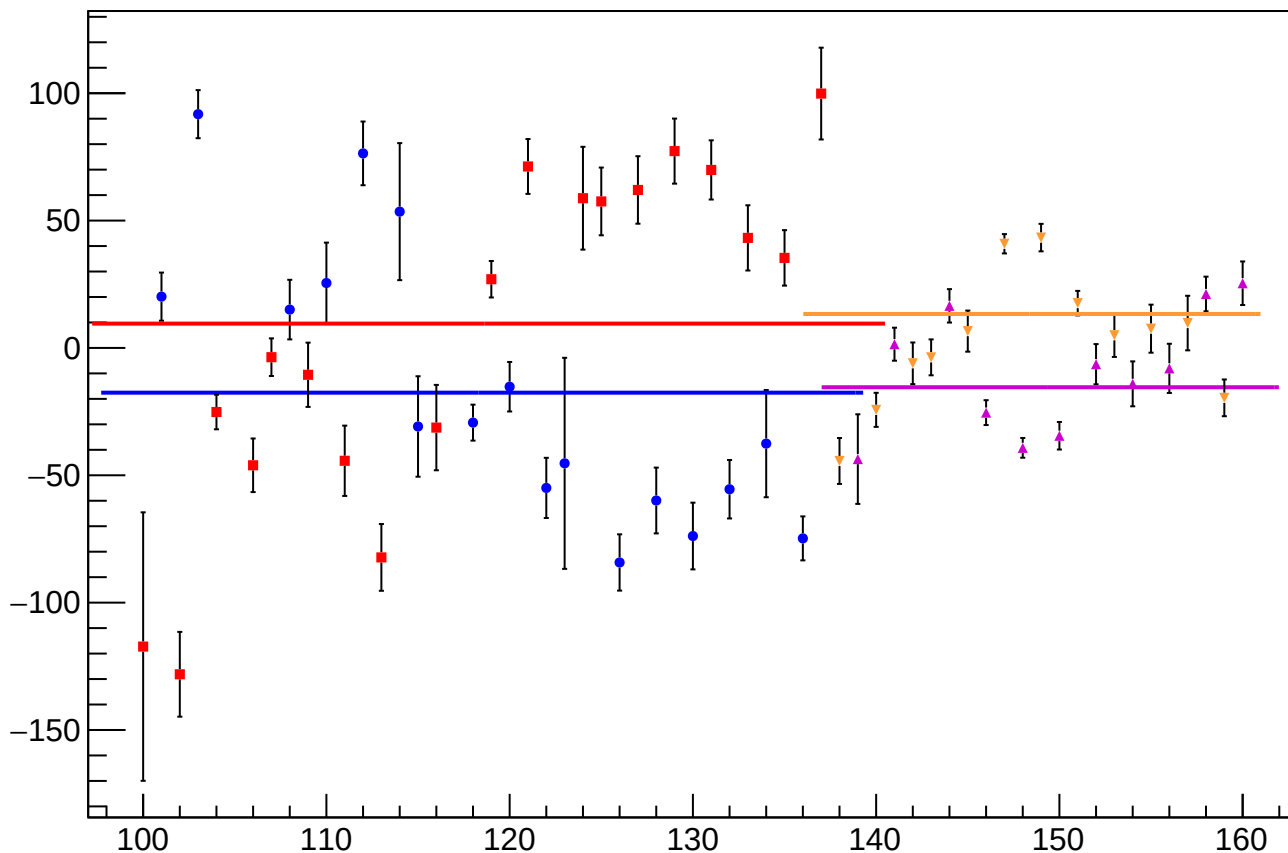
Left In: 474.445+/-2.938 χ^2/NDF : 109.1/10

-459.136+/-2.874 χ^2/NDF : 447.6/11

-2.733+/-2.055 χ^2/NDF : 52151.3/22

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: 13.337 ± 1.872 χ^2/NDF : 191.8/11

Right Out: 9.547 ± 2.609 χ^2/NDF : 370.3/18

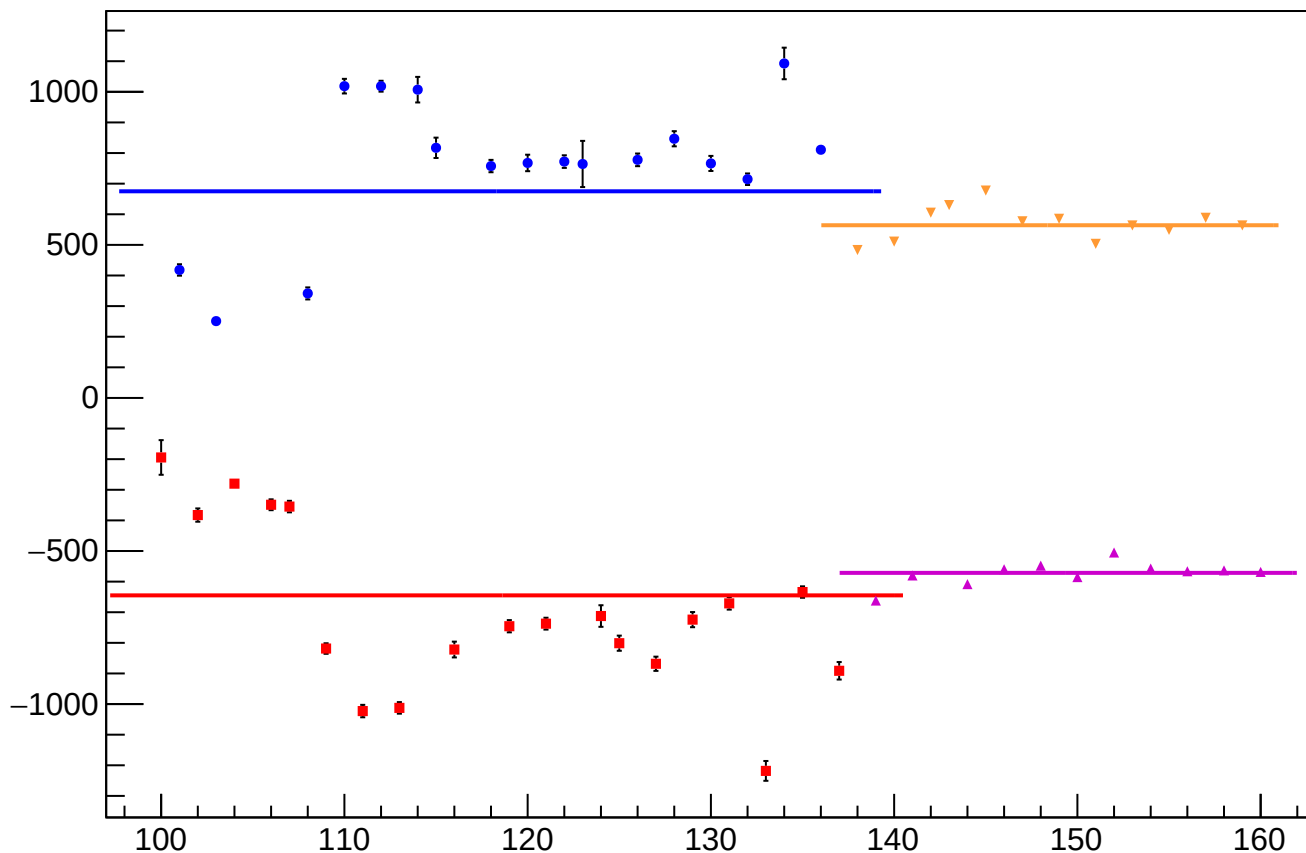
Left In: -15.433 ± 1.933 χ^2/NDF : 141.0/10

3.887 ± 1.560 χ^2/NDF : 638.8/28

-1.370 ± 1.100 χ^2/NDF : 1231.9/58

-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: 564.167 $\pm$ 2.835 χ^2 /NDF: 337.1/11

Right Out: -644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

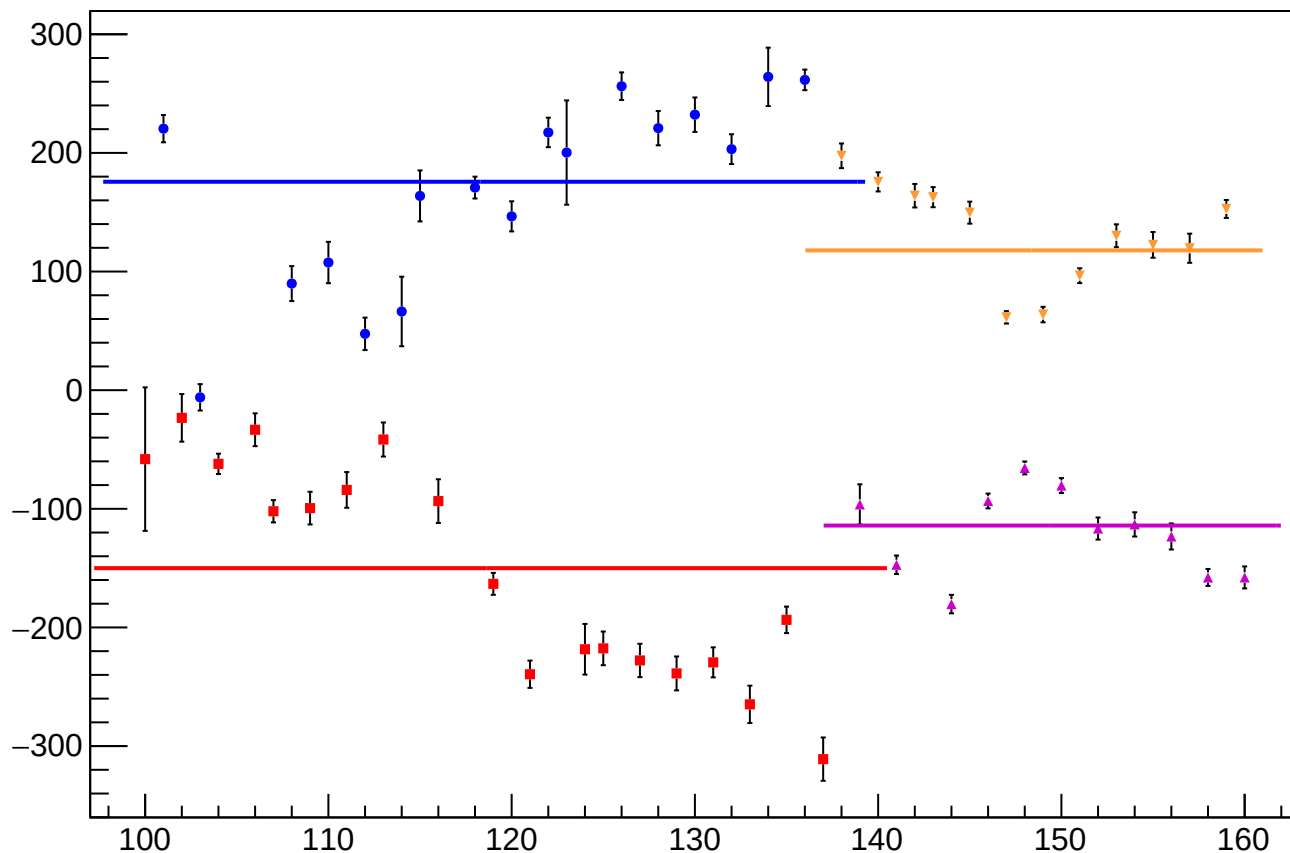
Left In: -571.408 $\pm$ 2.858 χ^2 /NDF: 148.7/10

590.603 $\pm$ 2.474 χ^2 /NDF: 3286.1/28

-5.861 $\pm$ 1.741 χ^2 /NDF: 121837.5/58

-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 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 117.824 $\pm$ 2.299 χ^2 /NDF: 391.5/11

Right Out: -150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

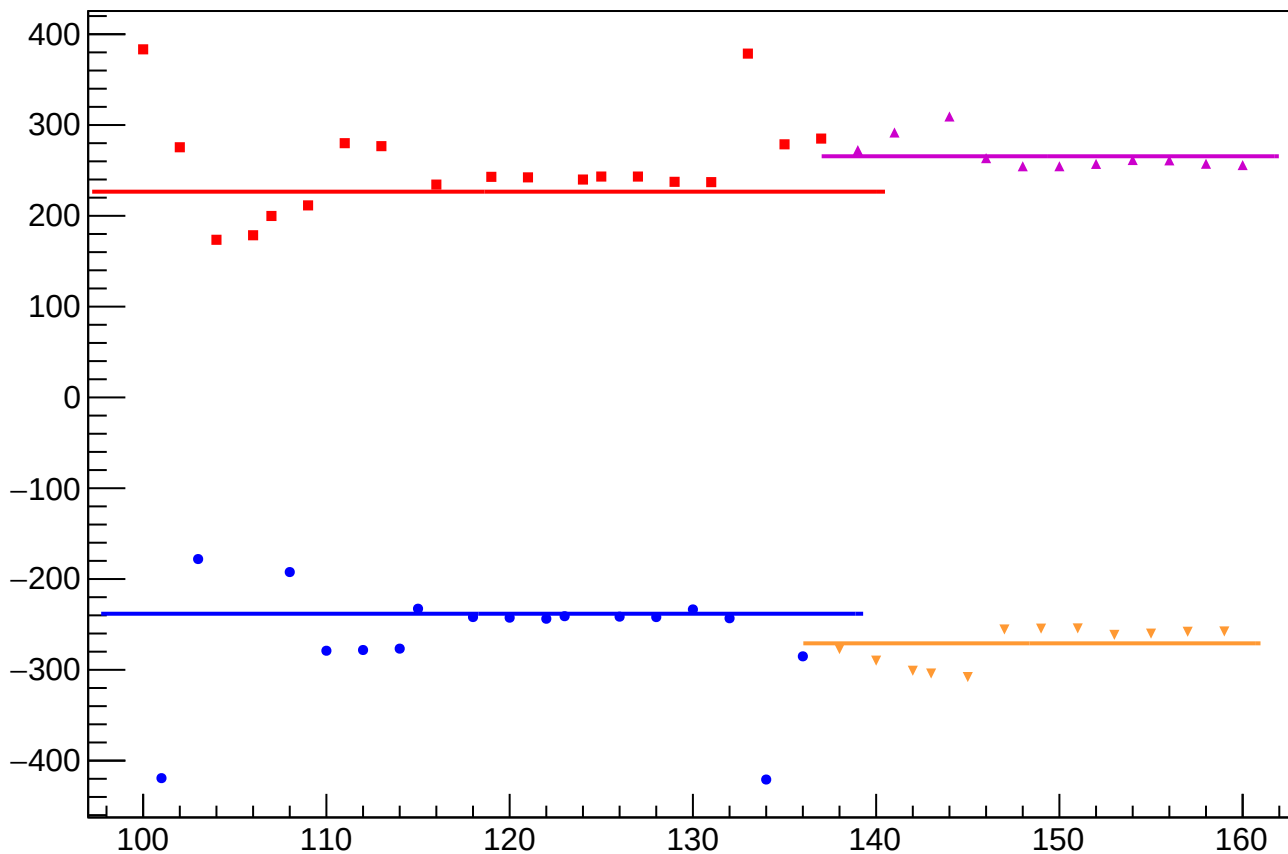
Left In: -114.104 $\pm$ 2.346 χ^2 /NDF: 271.5/10

137.211 $\pm$ 1.875 χ^2 /NDF: 1241.6/28

3.635 $\pm$ 1.319 χ^2 /NDF: 12354.7/58

-127.494 $\pm$ 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: -270.818 ± 0.115 χ^2/NDF : 29131.2/11

Right Out: 226.597 ± 0.151 χ^2/NDF : 102562.3/18

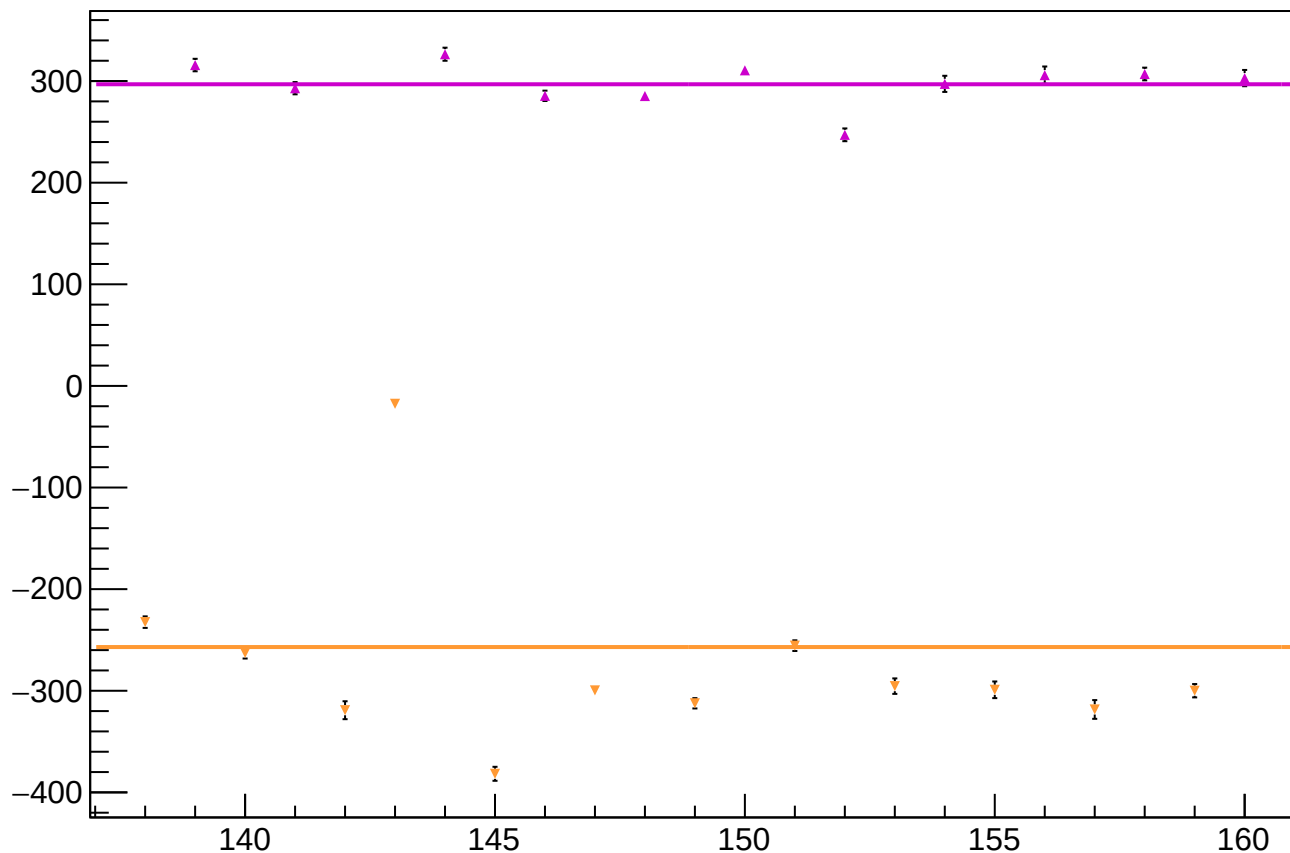
Left In: 265.588 ± 0.114 χ^2/NDF : 19322.9/10

-259.781 ± 0.093 χ^2/NDF : 223556.1/28

2.882 ± 0.065 χ^2/NDF : 15794933.7/58

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: -256.980+/-1.758 χ^2/NDF : 3074.8/11

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

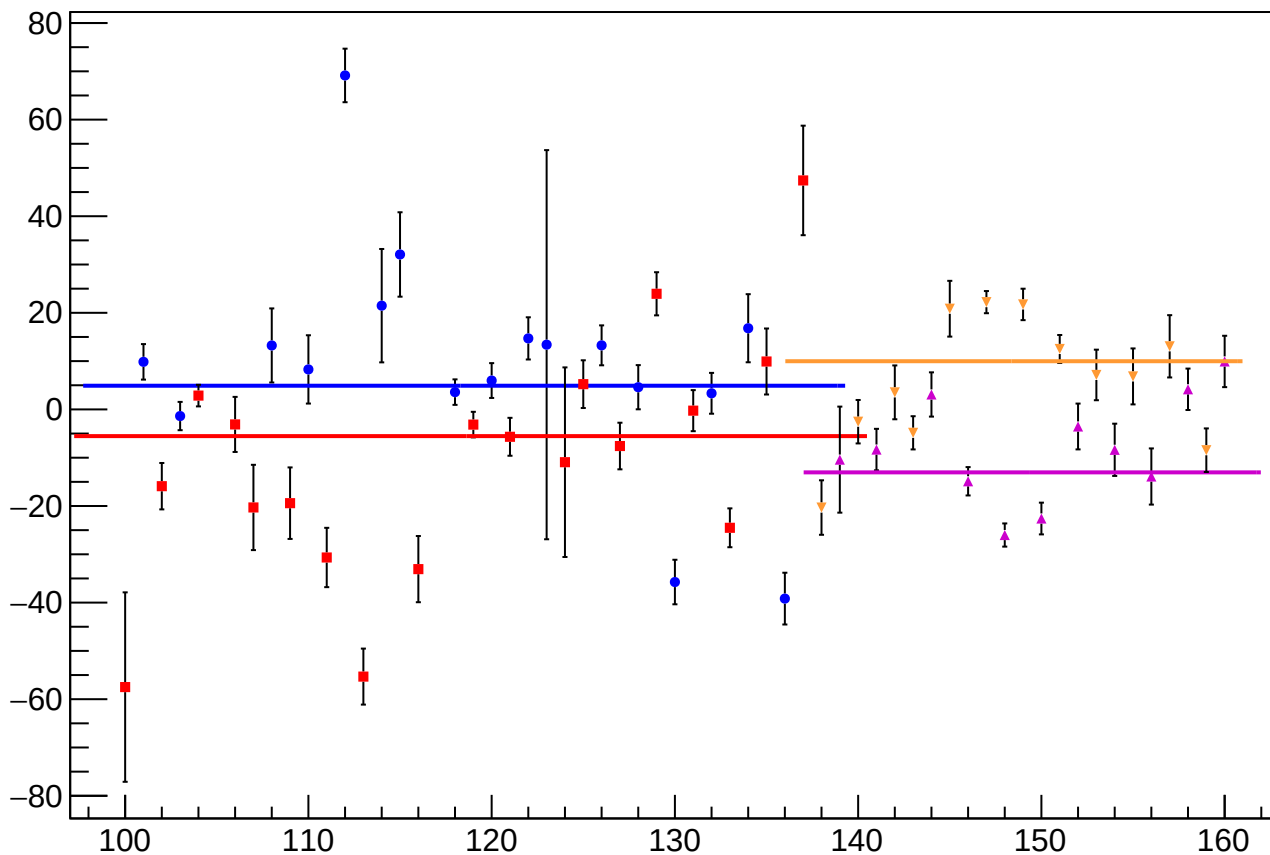
Left In: 296.852+/-1.839 χ^2/NDF : 116.3/10

-256.980+/-1.758 χ^2/NDF : 3074.8/11

7.501+/-1.271 χ^2/NDF : 50597.0/22

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: 9.978 ± 1.139 χ^2/NDF : 119.8/11

Right Out: -5.530 ± 1.069 χ^2/NDF : 238.9/18

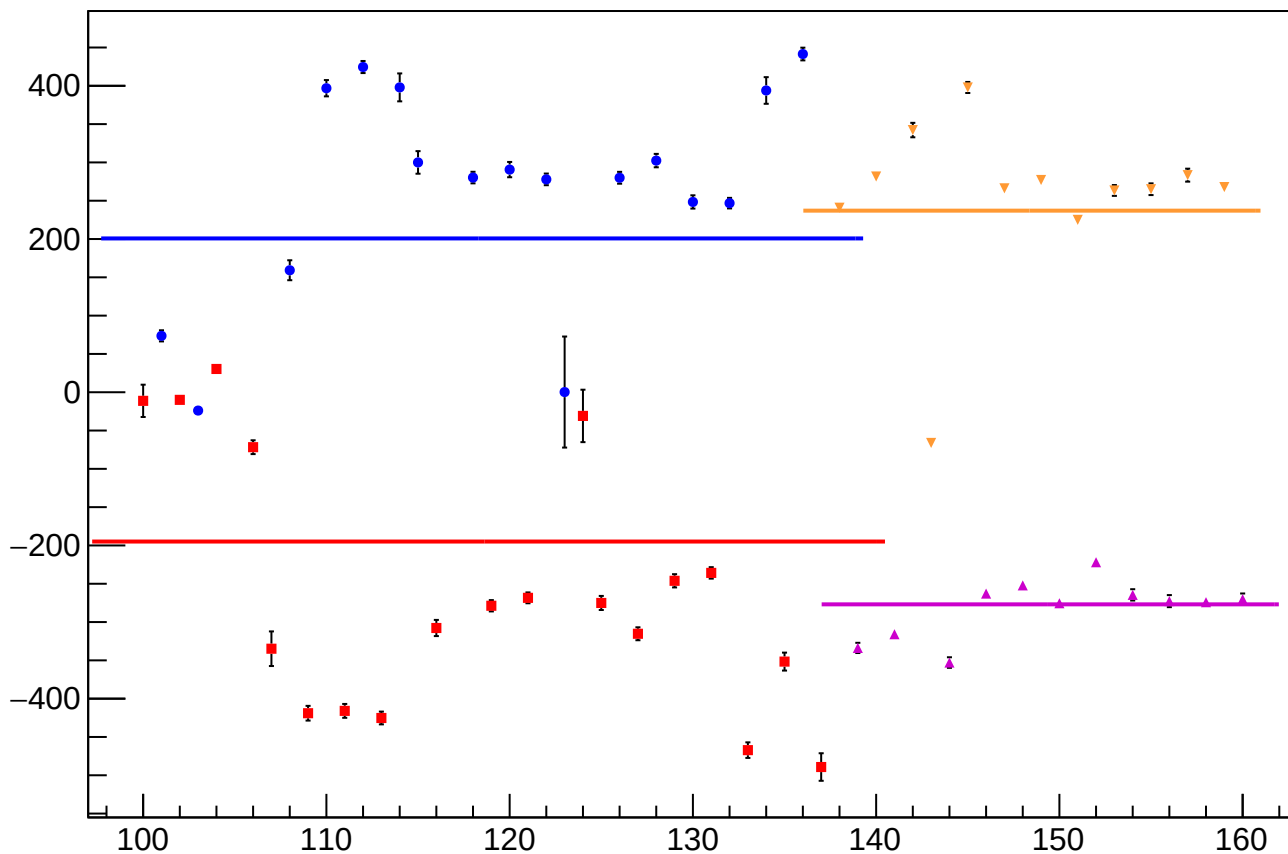
Left In: -13.037 ± 1.204 χ^2/NDF : 91.2/10

7.365 ± 0.793 χ^2/NDF : 441.7/28

-0.678 ± 0.563 χ^2/NDF : 1000.6/58

-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: 237.039 $\pm$ 1.733 χ^2 /NDF: 4176.5/11

Right Out: -194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

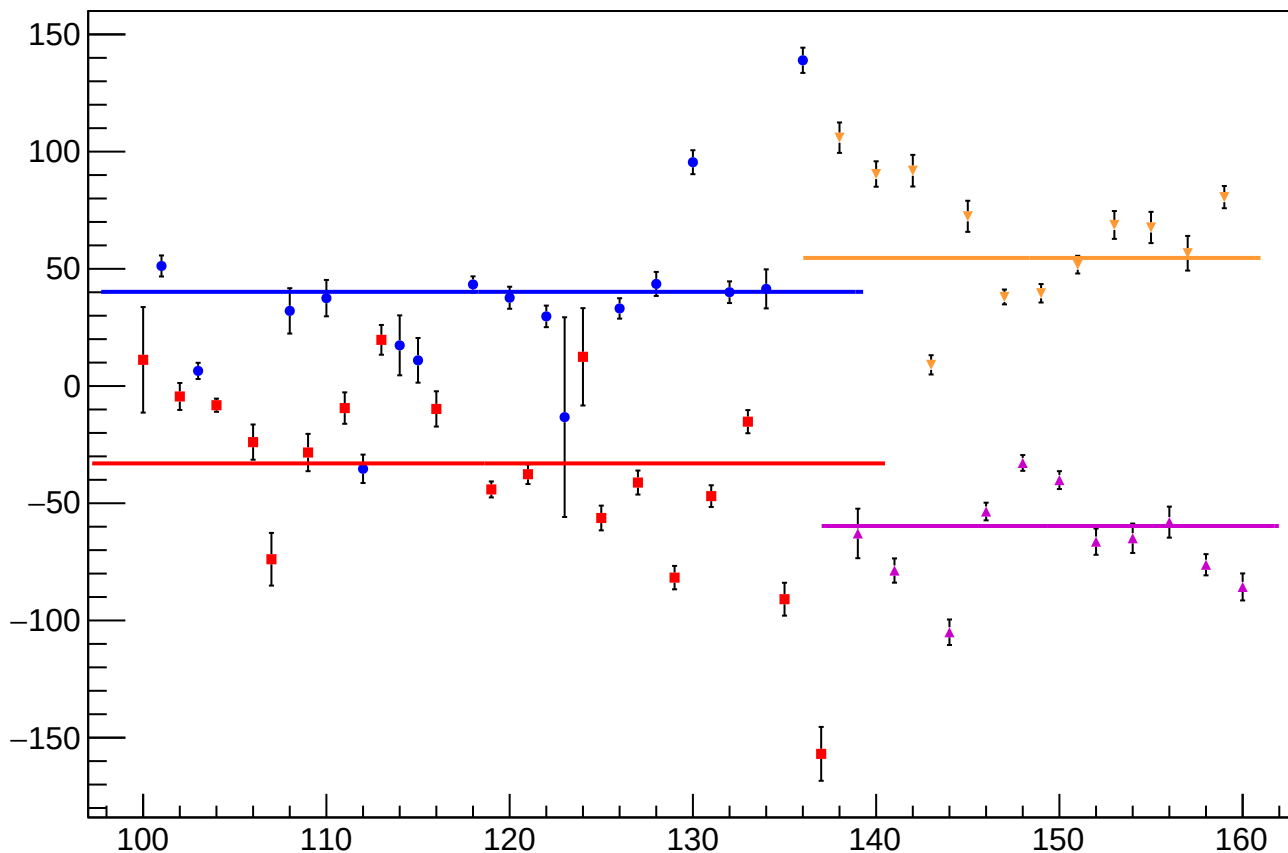
Left In: -276.887 $\pm$ 1.782 χ^2 /NDF: 355.8/10

221.338 $\pm$ 1.305 χ^2 /NDF: 11099.1/28

-8.434 $\pm$ 0.924 χ^2 /NDF: 82799.7/58

-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: 54.647 ± 1.400 $\chi^2/\text{NDF}: 349.3/11$

Right Out: -33.006 ± 1.250 $\chi^2/\text{NDF}: 552.7/18$

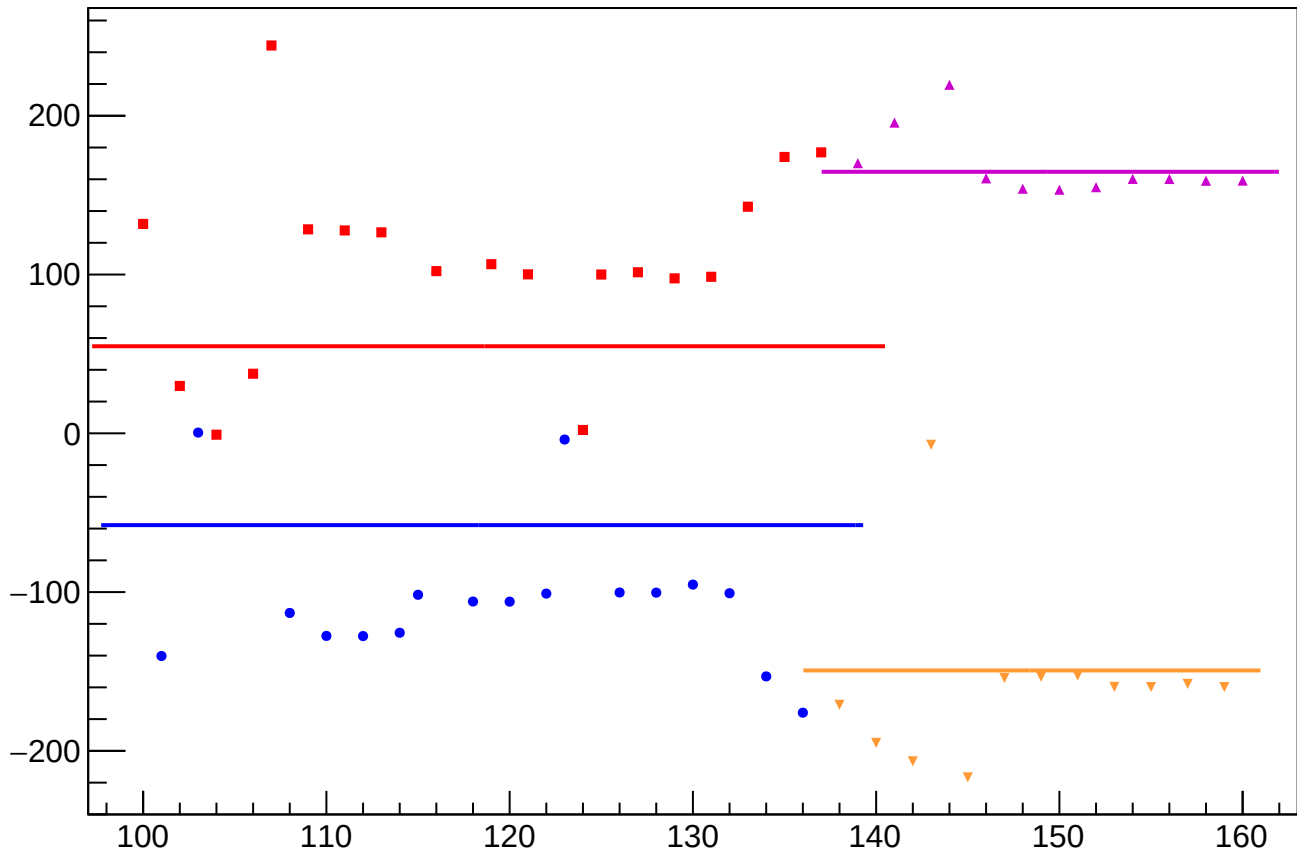
Left In: -59.707 ± 1.463 $\chi^2/\text{NDF}: 212.1/10$

46.787 ± 0.946 $\chi^2/\text{NDF}: 1141.8/28$

1.473 ± 0.671 $\chi^2/\text{NDF}: 6709.9/58$

-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 $\pm$ 0.062 χ^2 /NDF: 1101296.2/16

Left Out: -149.337 $\pm$ 0.070 χ^2 /NDF: 578573.0/11

Right Out: 54.833 $\pm$ 0.060 χ^2 /NDF: 1000741.7/18

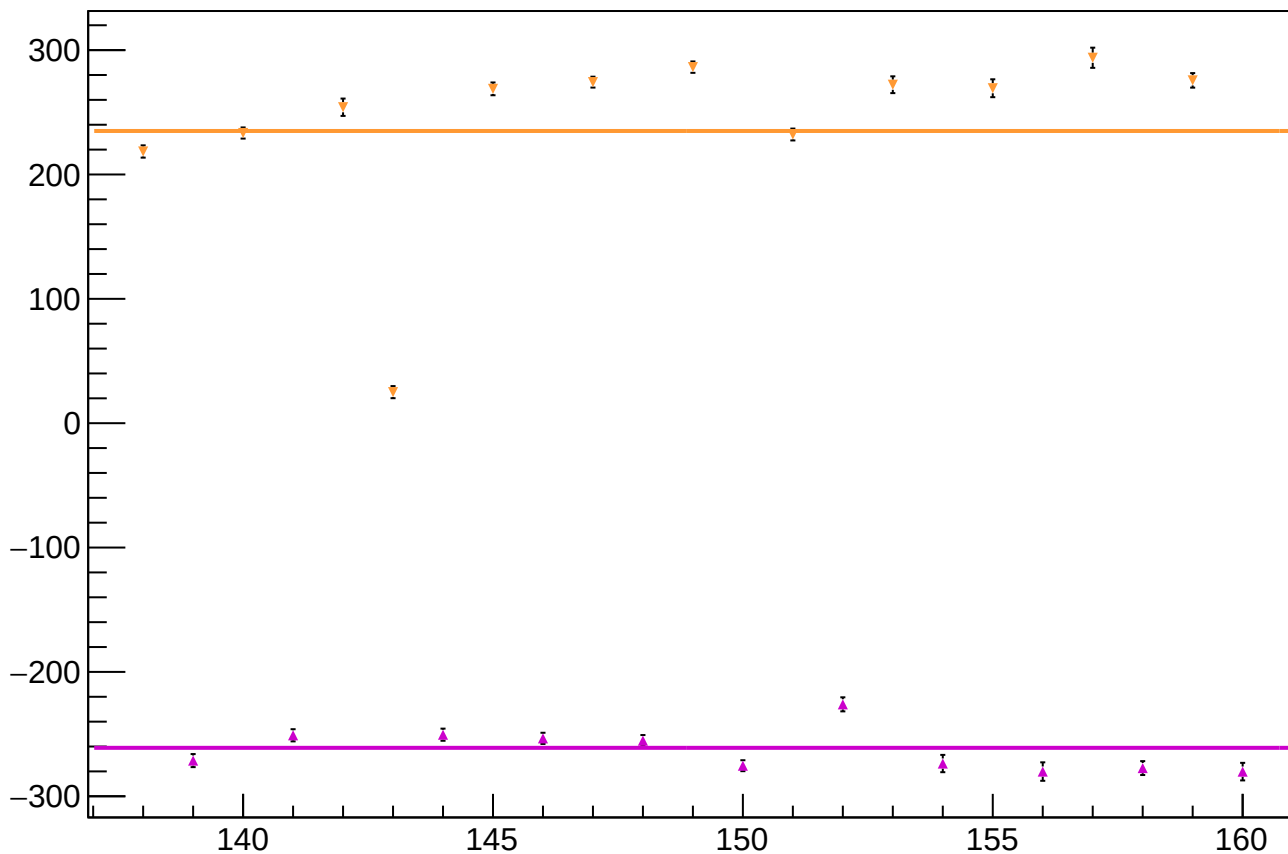
Left In: 164.722 $\pm$ 0.071 χ^2 /NDF: 57717.6/10

-97.830 $\pm$ 0.046 χ^2 /NDF: 2638916.0/28

2.636 $\pm$ 0.033 χ^2 /NDF: 14391980.1/58

100.999 $\pm$ 0.046 χ^2 /NDF: 2456792.3/29

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 234.983+/-1.541 χ^2/NDF : 2282.3/11

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

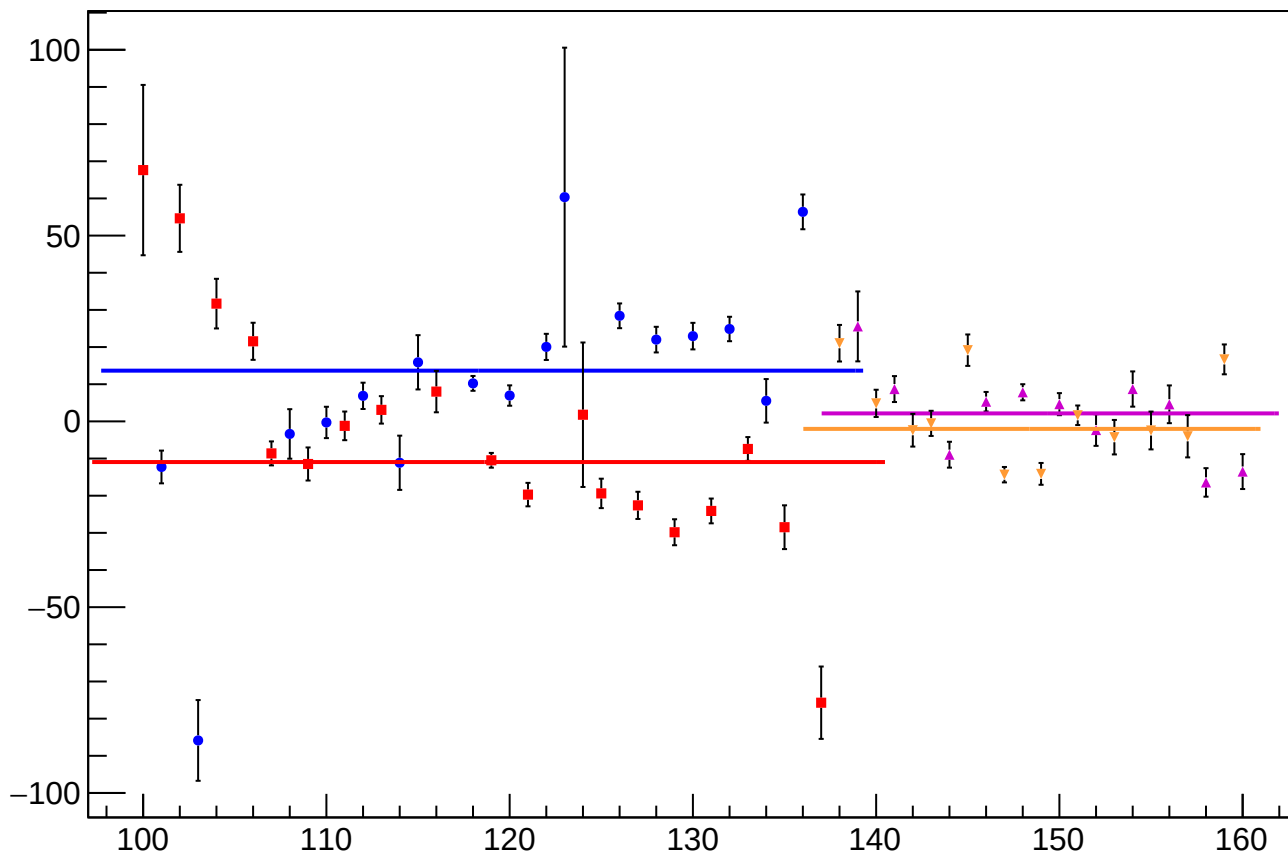
Left In: -261.051+/-1.595 χ^2/NDF : 92.0/10

234.983+/-1.541 χ^2/NDF : 2282.3/11

-4.536+/-1.108 χ^2/NDF : 52378.7/22

-261.051+/-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: -2.020 ± 1.010 χ^2/NDF : 126.9/11

Right Out: -10.944 ± 0.913 χ^2/NDF : 302.5/18

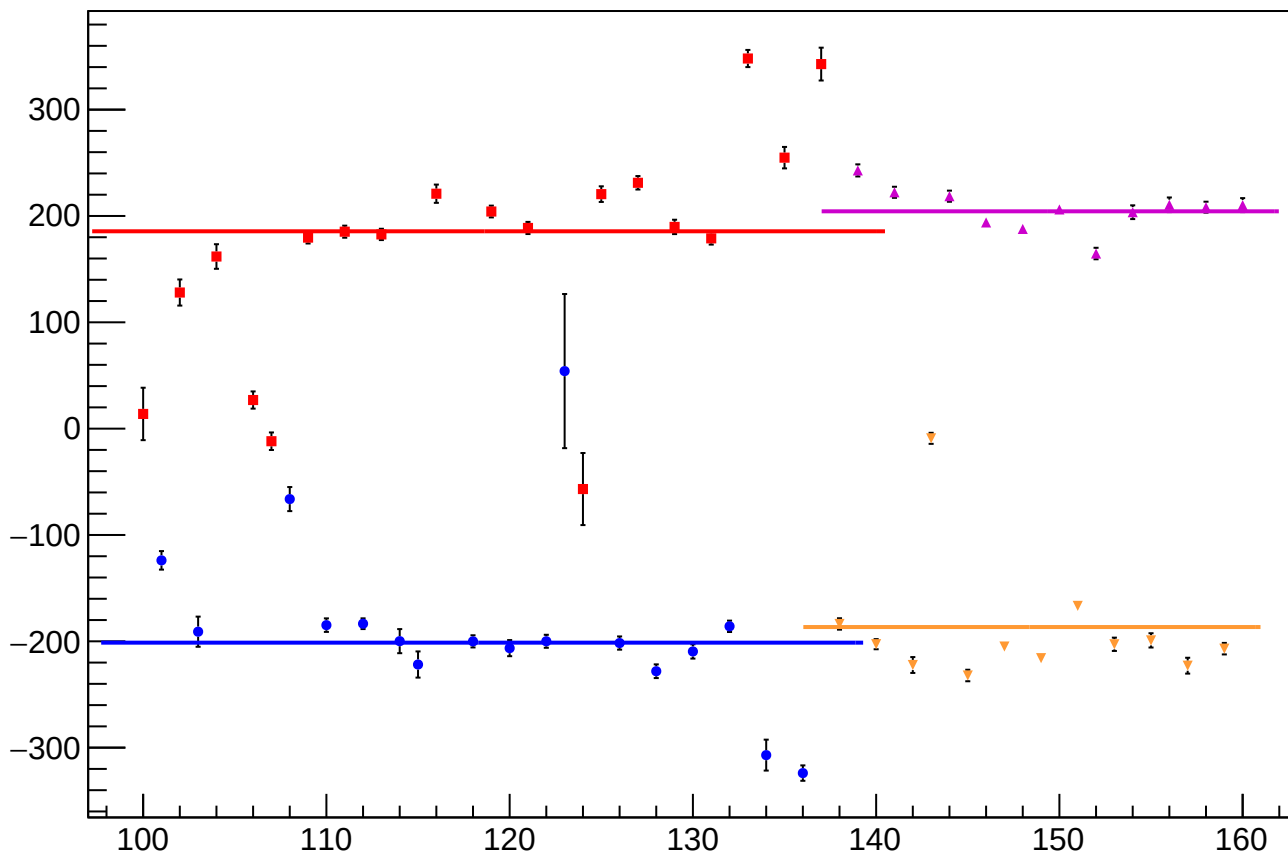
Left In: 2.147 ± 1.055 χ^2/NDF : 66.7/10

6.409 ± 0.687 χ^2/NDF : 550.4/28

0.569 ± 0.487 χ^2/NDF : 1153.2/58

-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: -186.578 ± 1.525 χ^2/NDF : 1404.4/11

Right Out: 185.593 ± 1.699 χ^2/NDF : 1746.0/18

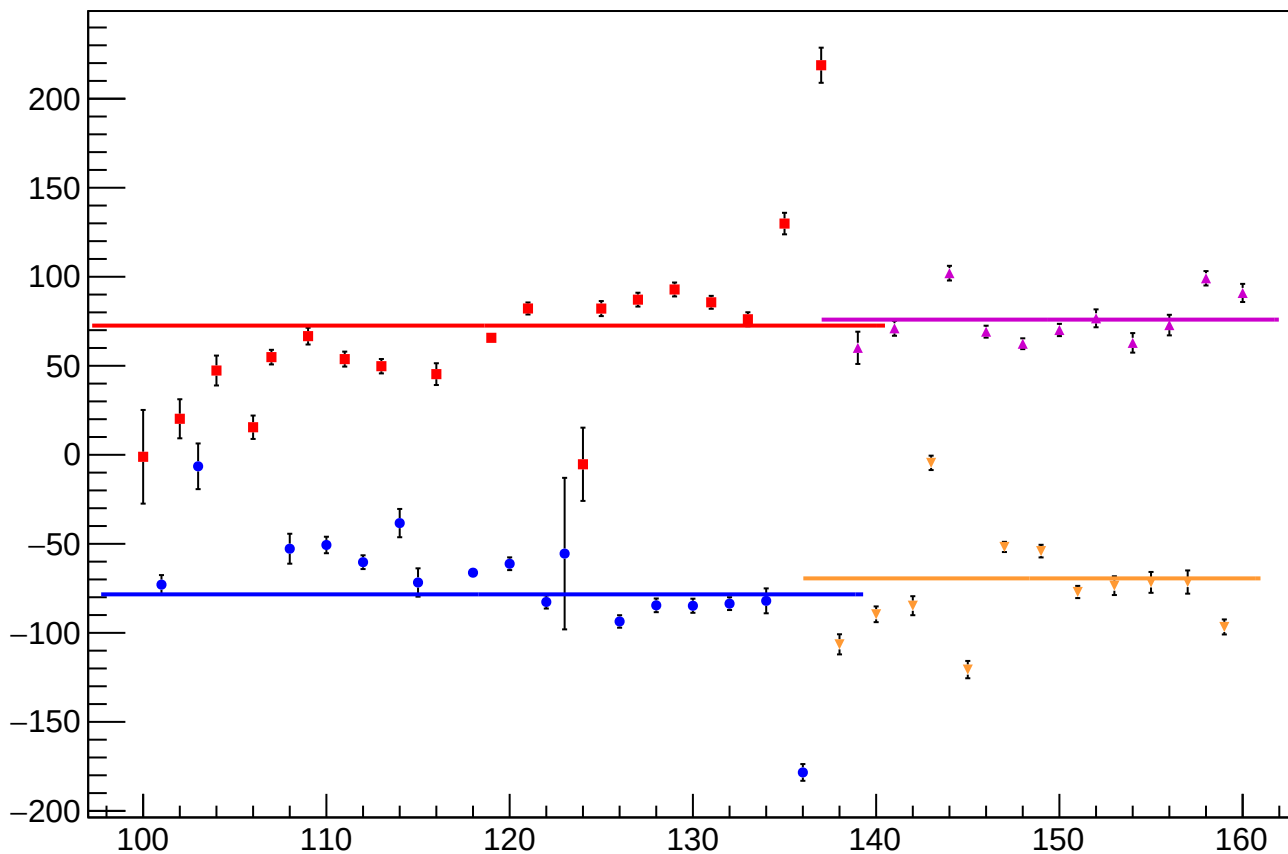
Left In: 204.377 ± 1.554 χ^2/NDF : 142.4/10

-192.733 ± 1.162 χ^2/NDF : 2066.7/28

4.156 ± 0.816 χ^2/NDF : 60658.9/58

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: -69.405 ± 1.238 χ^2/NDF : 544.5/11

Right Out: 72.577 ± 1.052 χ^2/NDF : 605.8/18

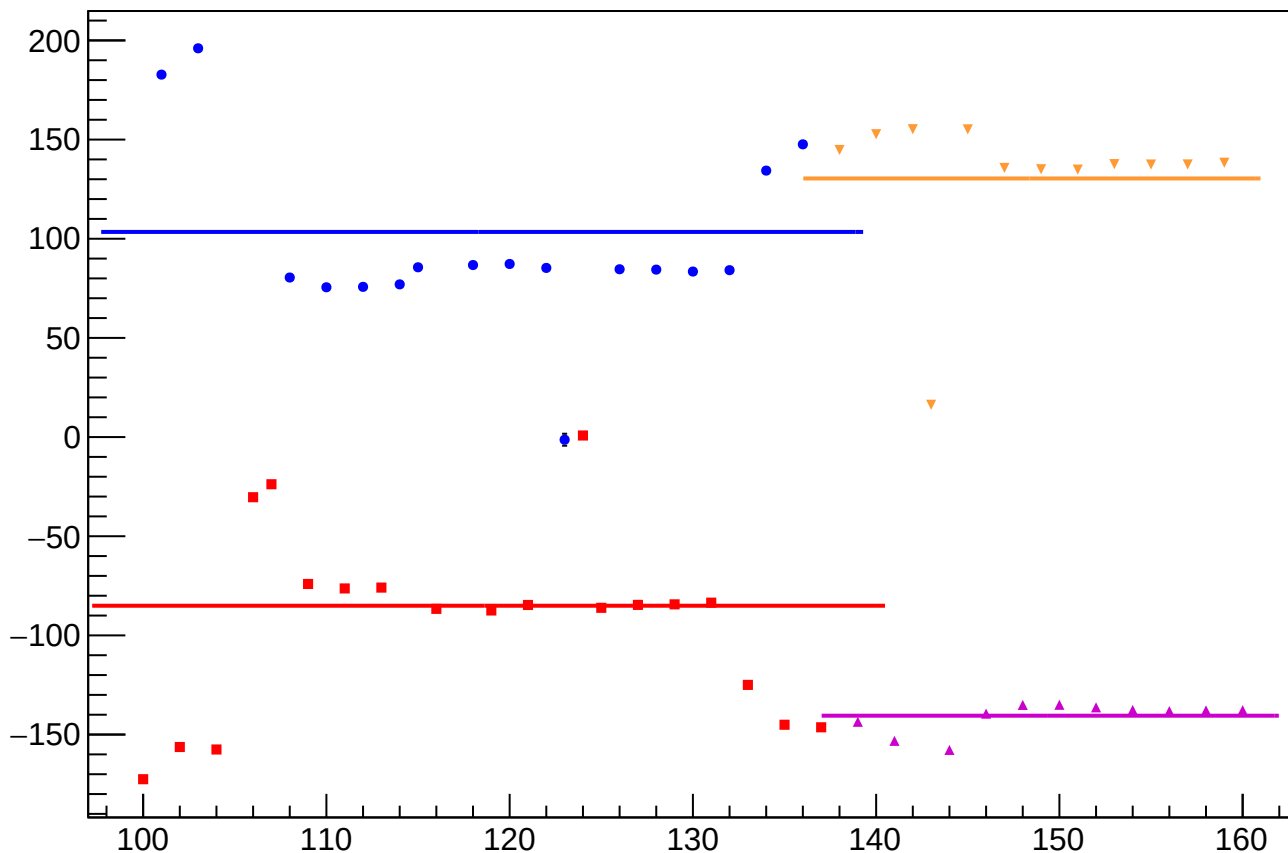
Left In: 75.932 ± 1.279 χ^2/NDF : 118.7/10

-74.494 ± 0.814 χ^2/NDF : 1225.6/28

-0.085 ± 0.575 χ^2/NDF : 18603.4/58

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+/-0.071 χ^2/NDF : 272785.6/16

Left Out: 130.396+/-0.062 χ^2/NDF : 343889.9/11

Right Out: -85.043+/-0.064 χ^2/NDF : 422343.0/18

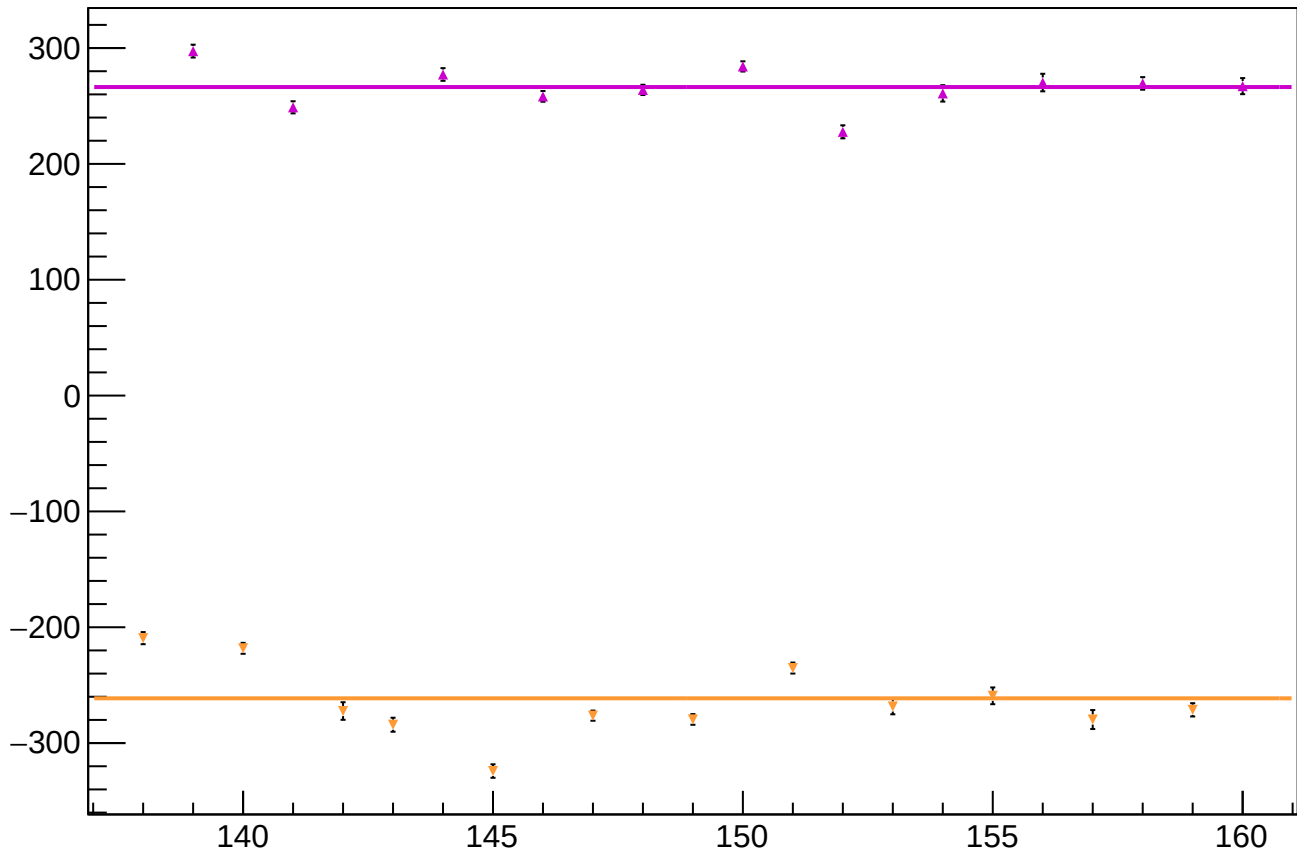
Left In: -140.491+/-0.062 χ^2/NDF : 12502.7/10

118.795+/-0.046 χ^2/NDF : 699099.8/28

-2.915+/-0.032 χ^2/NDF : 14611686.6/58

-113.649+/-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: -261.345+/-1.611 χ^2/NDF : 381.0/11

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

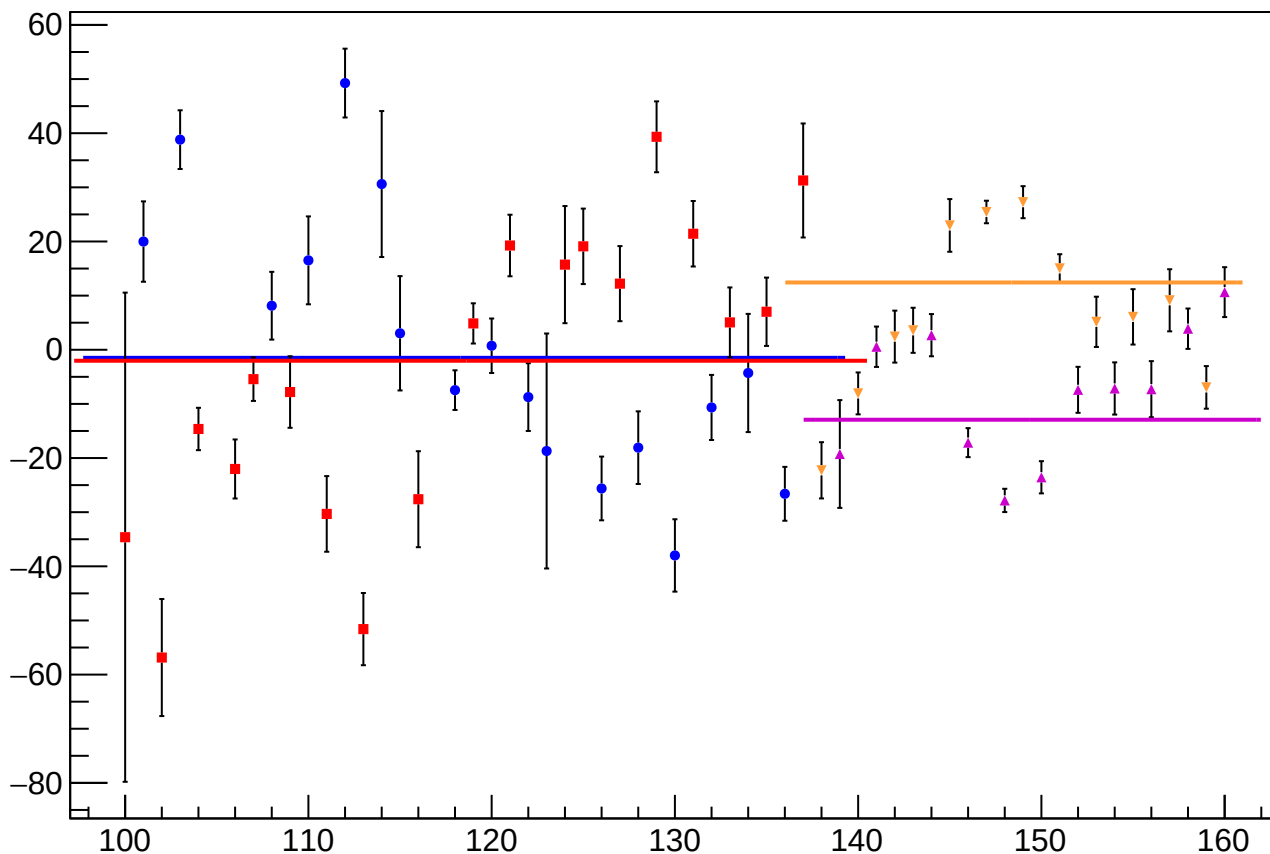
Left In: 266.348+/-1.633 χ^2/NDF : 114.2/10

-261.345+/-1.611 χ^2/NDF : 381.0/11

-1.062+/-1.147 χ^2/NDF : 53385.0/22

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: 12.429 ± 1.043 χ^2/NDF : 180.0/11

Right Out: -2.028 ± 1.400 χ^2/NDF : 233.3/18

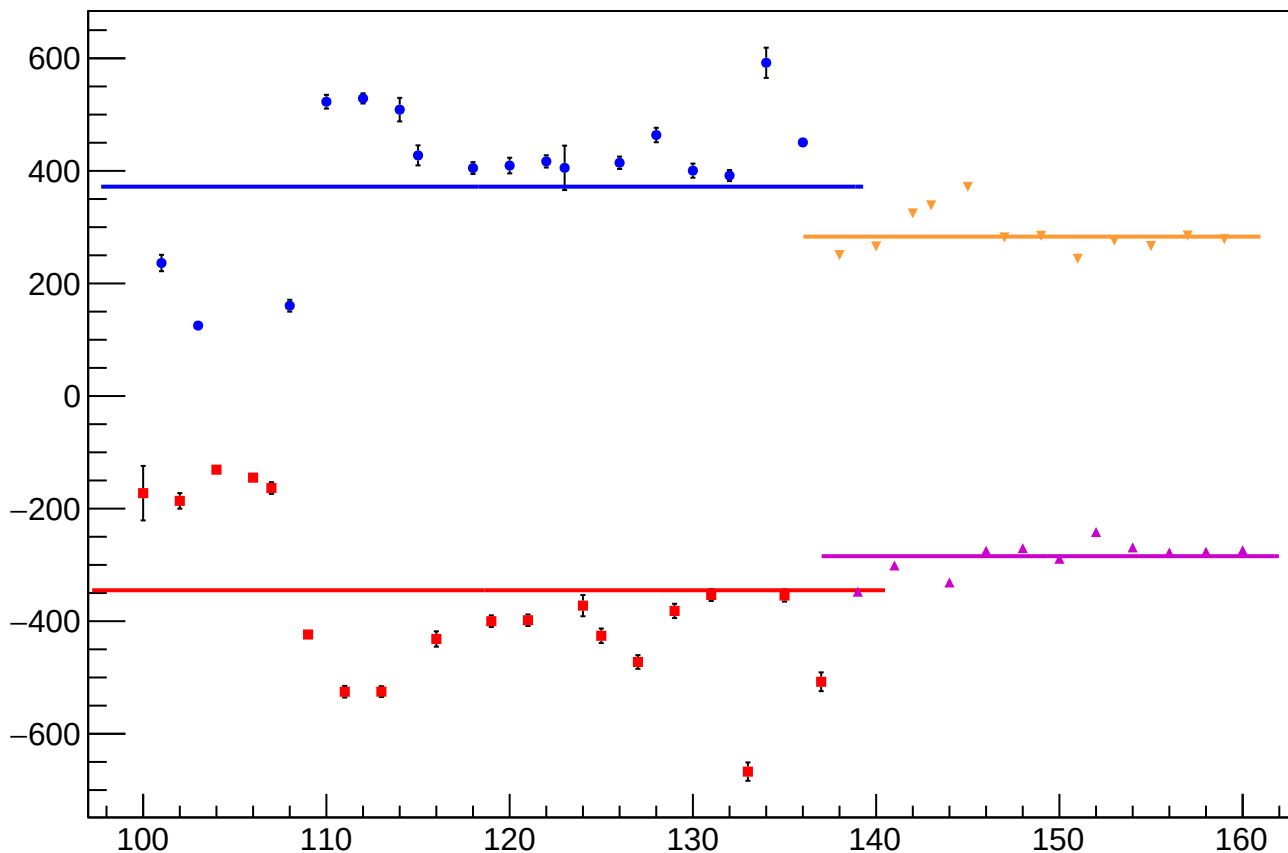
Left In: -12.924 ± 1.071 χ^2/NDF : 143.6/10

8.035 ± 0.863 χ^2/NDF : 462.2/28

-0.555 ± 0.606 χ^2/NDF : 1072.5/58

-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 $\pm$ 2.778 χ^2/NDF : 2432.6/16

Left Out: 283.178 $\pm$ 1.583 χ^2/NDF : 438.8/11

Right Out: -345.043 $\pm$ 2.562 χ^2/NDF : 3415.2/18

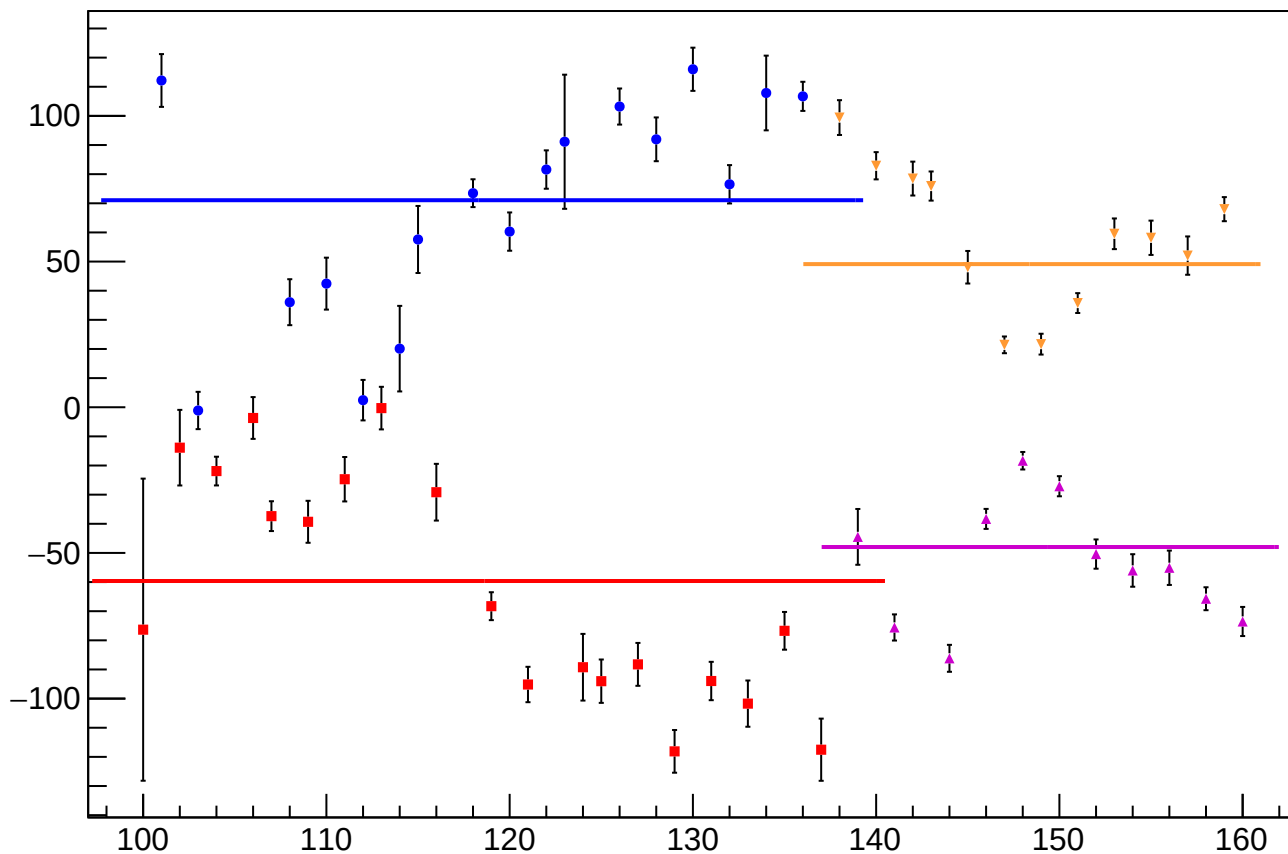
Left In: -284.500 $\pm$ 1.584 χ^2/NDF : 275.2/10

304.948 $\pm$ 1.375 χ^2/NDF : 3642.8/28

-4.357 $\pm$ 0.962 χ^2/NDF : 106862.4/58

-301.245 $\pm$ 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: 49.127+/-1.283 χ^2/NDF : 372.3/11

Right Out: -59.637+/-1.631 χ^2/NDF : 491.6/18

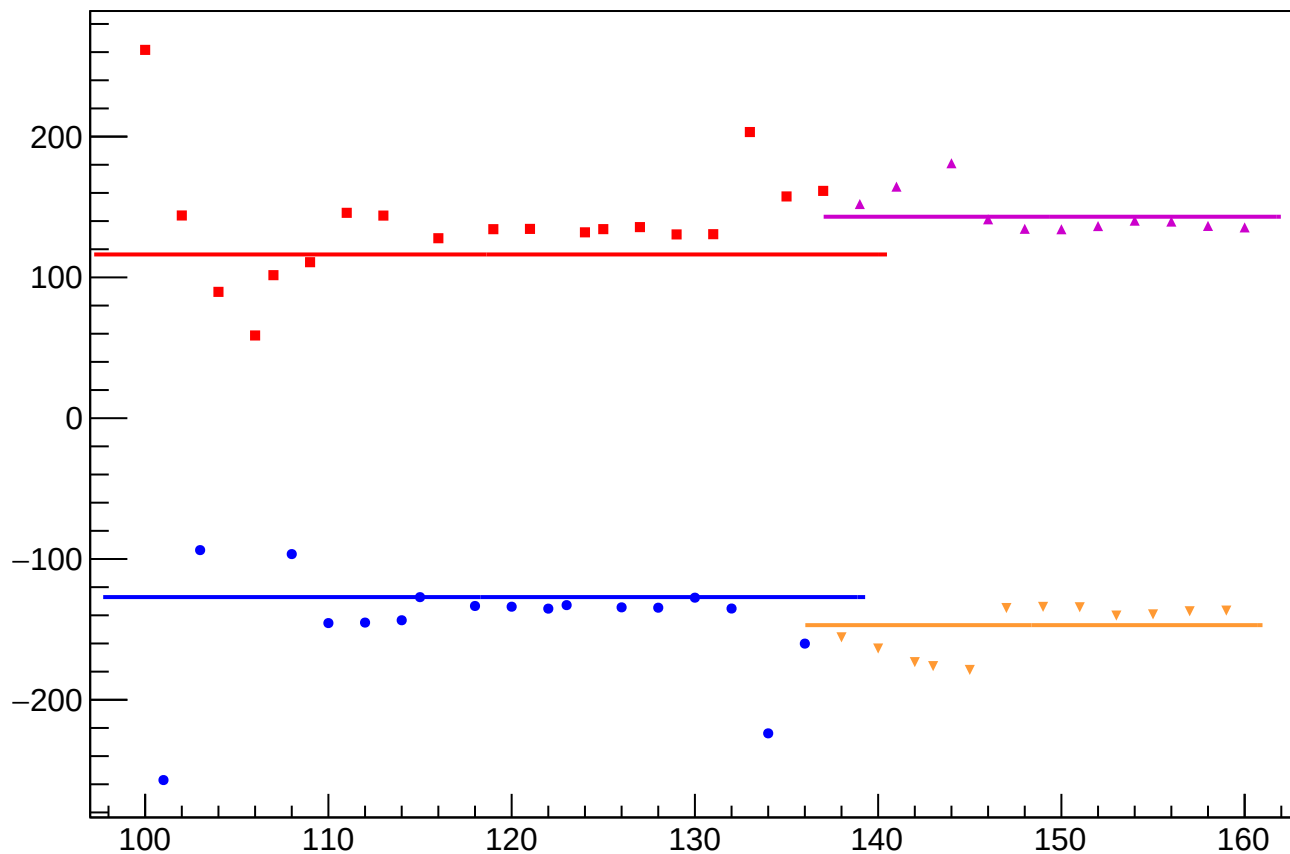
Left In: -47.971+/-1.300 χ^2/NDF : 297.9/10

56.711+/-1.037 χ^2/NDF : 899.6/28

0.994+/-0.726 χ^2/NDF : 7374.7/58

-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 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -146.976 ± 0.064 $\chi^2/\text{NDF}: 62950.3/11$

Right Out: 116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

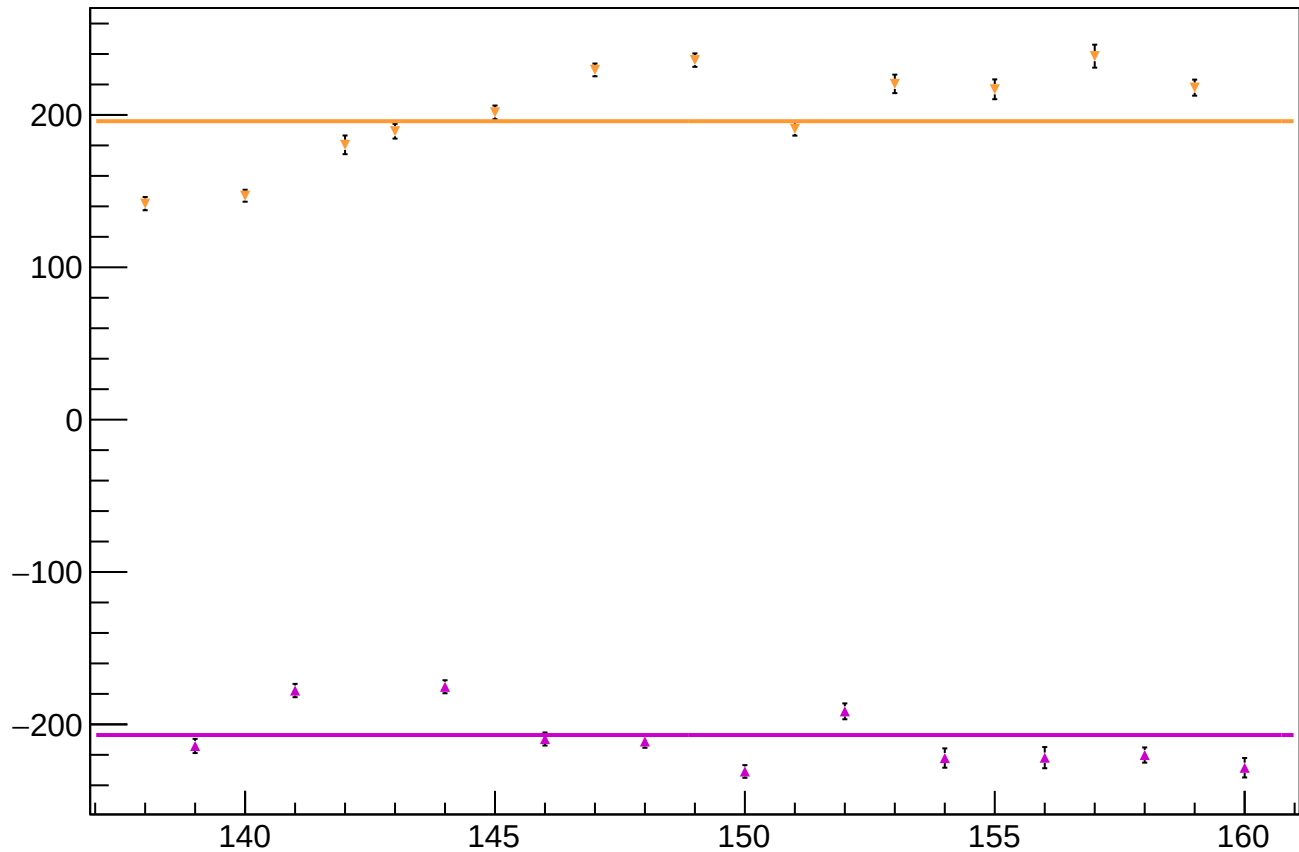
Left In: 143.095 ± 0.063 $\chi^2/\text{NDF}: 41436.7/10$

-140.260 ± 0.052 $\chi^2/\text{NDF}: 262626.9/28$

1.891 ± 0.036 $\chi^2/\text{NDF}: 14854371.9/58$

133.321 ± 0.050 $\chi^2/\text{NDF}: 274805.9/29$

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: 195.899 ± 1.415 χ^2/NDF : 543.8/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

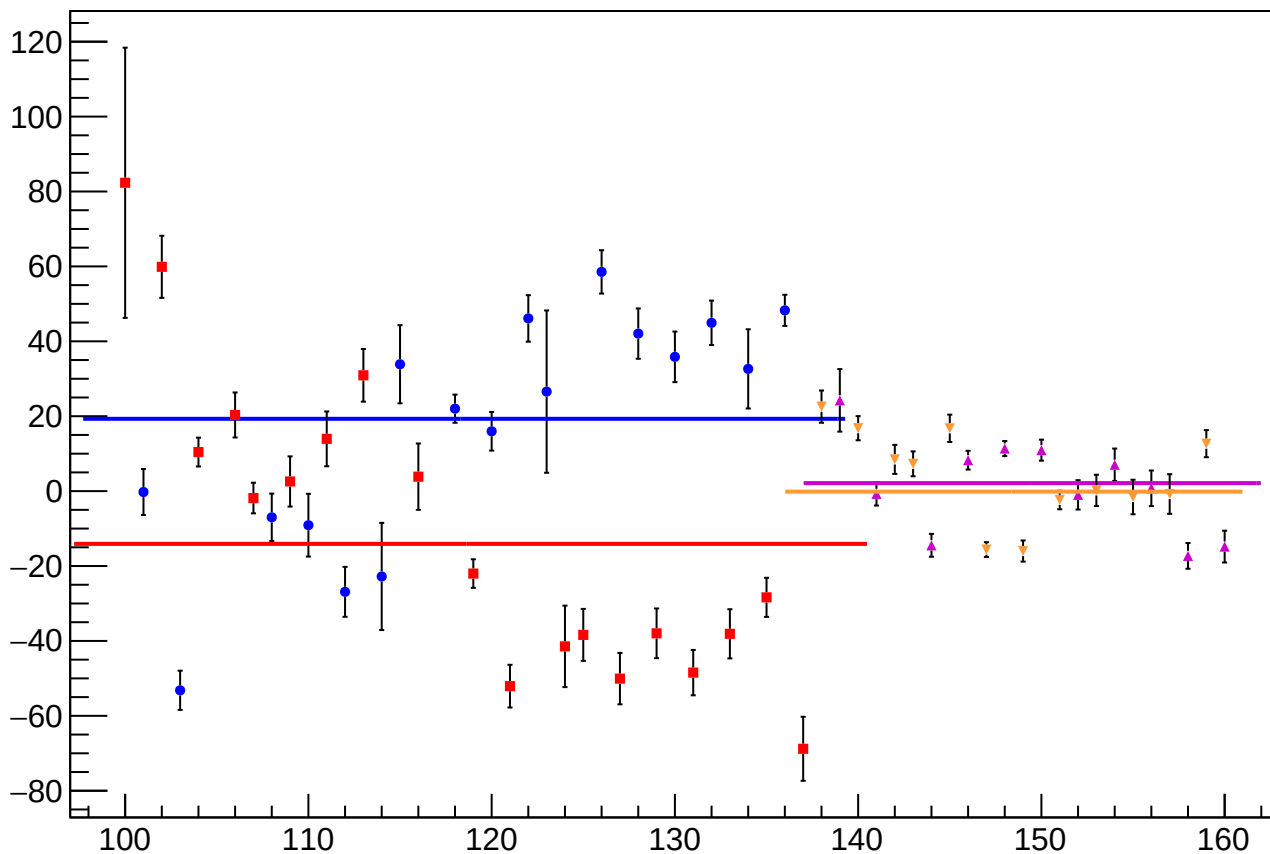
Left In: -206.995 ± 1.459 χ^2/NDF : 173.9/10

195.899 ± 1.415 χ^2/NDF : 543.8/11

0.602 ± 1.015 χ^2/NDF : 40033.6/22

-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: -0.141 ± 0.936 χ^2/NDF : 192.6/11

Right Out: -14.083 ± 1.390 χ^2/NDF : 436.9/18

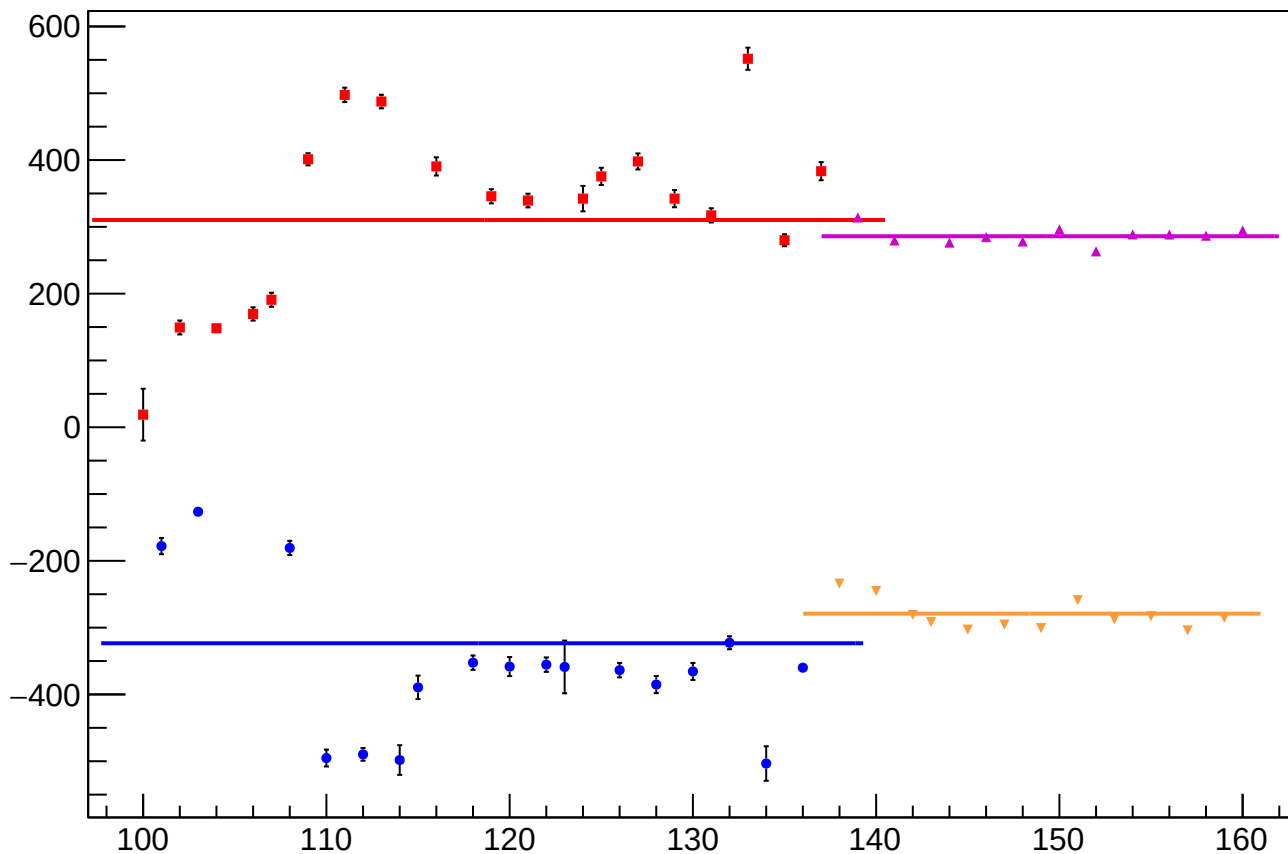
Left In: 2.145 ± 0.971 χ^2/NDF : 124.3/10

5.309 ± 0.794 χ^2/NDF : 754.8/28

1.074 ± 0.562 χ^2/NDF : 1464.5/58

-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 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -279.092 ± 1.403 $\chi^2/\text{NDF}: 272.3/11$

Right Out: 310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

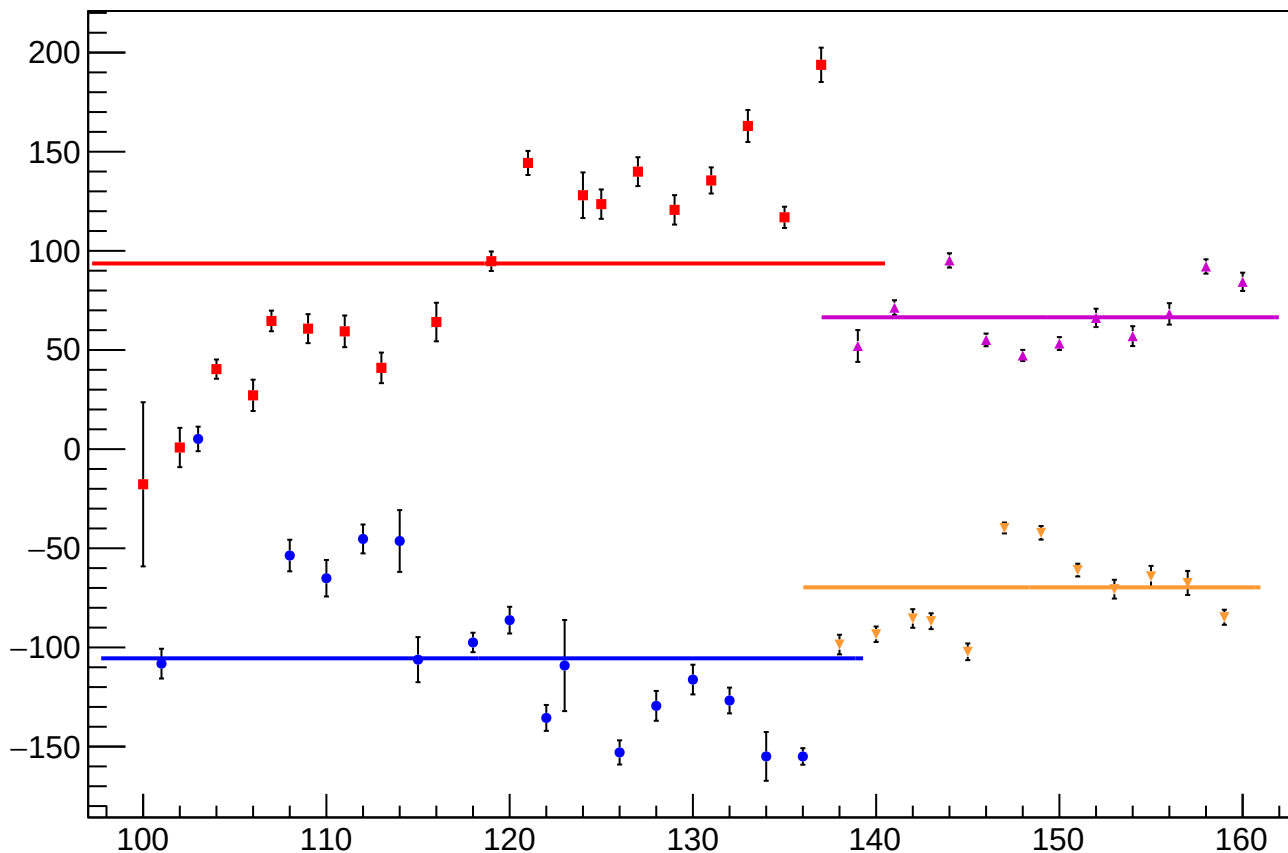
Left In: 285.924 ± 1.424 $\chi^2/\text{NDF}: 71.5/10$

-288.604 ± 1.244 $\chi^2/\text{NDF}: 2336.0/28$

2.370 ± 0.878 $\chi^2/\text{NDF}: 113987.0/58$

291.797 ± 1.240 $\chi^2/\text{NDF}: 2440.8/29$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 ± 1.712 $\chi^2/\text{NDF}: 737.3/16$

Left Out: -69.697 ± 1.144 $\chi^2/\text{NDF}: 369.0/11$

Right Out: 93.637 ± 1.610 $\chi^2/\text{NDF}: 827.1/18$

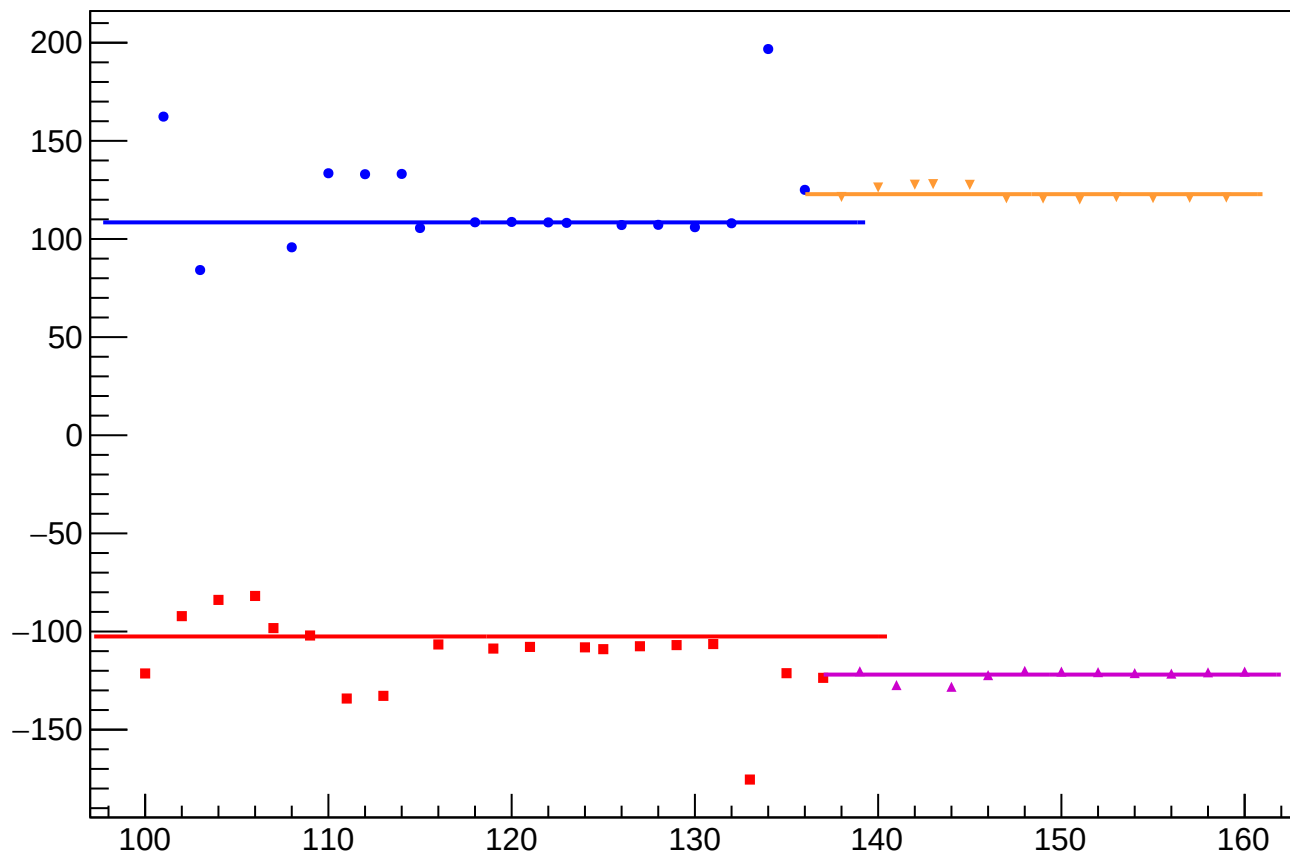
Left In: 66.501 ± 1.175 $\chi^2/\text{NDF}: 212.7/10$

-80.753 ± 0.951 $\chi^2/\text{NDF}: 1408.6/28$

-2.210 ± 0.672 $\chi^2/\text{NDF}: 16228.7/58$

75.925 ± 0.949 $\chi^2/\text{NDF}: 1225.2/29$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 122.835 ± 0.057 $\chi^2/\text{NDF}: 2814.7/11$

Right Out: -102.521 ± 0.080 $\chi^2/\text{NDF}: 52992.1/18$

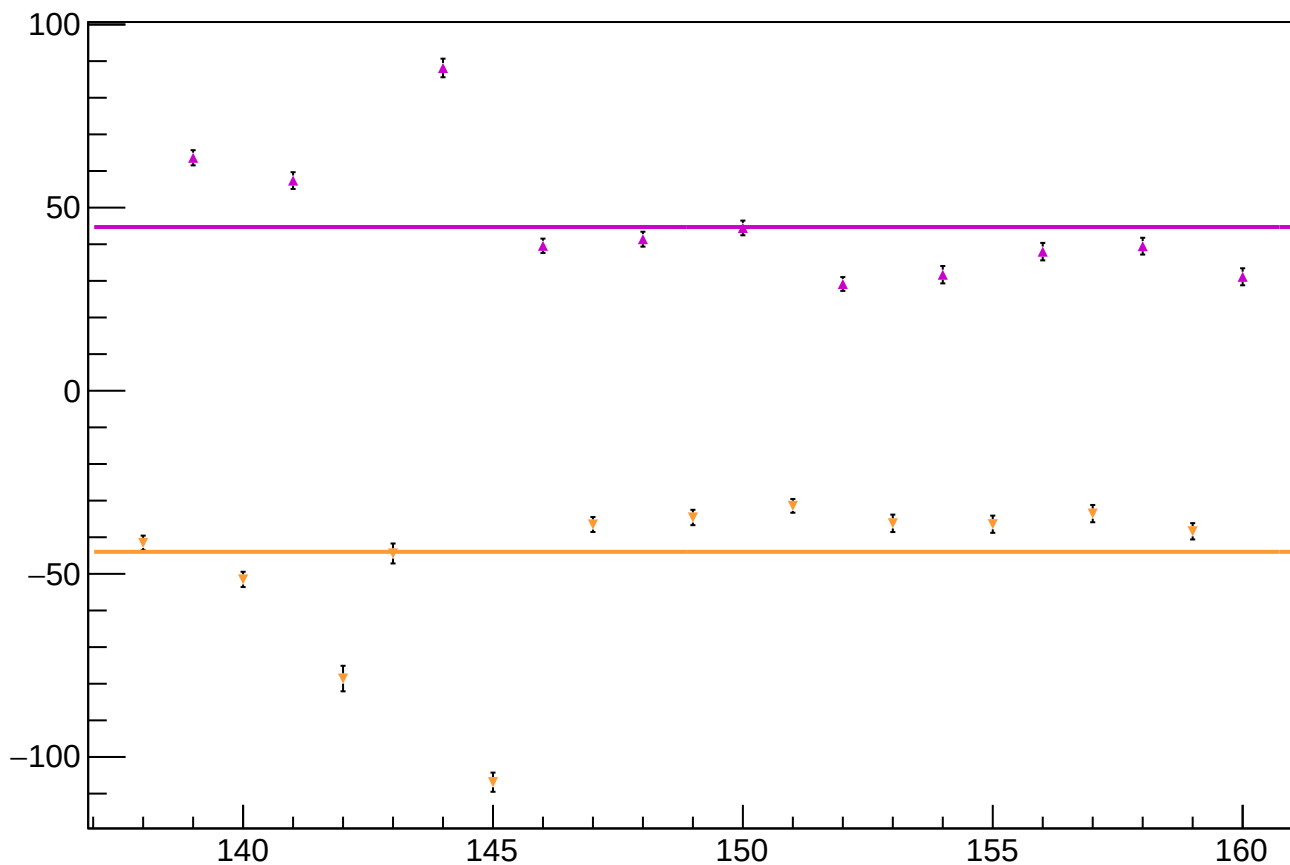
Left In: -121.940 ± 0.056 $\chi^2/\text{NDF}: 2242.8/10$

118.423 ± 0.047 $\chi^2/\text{NDF}: 95938.9/28$

-1.132 ± 0.033 $\chi^2/\text{NDF}: 12799407.2/58$

-115.434 ± 0.046 $\chi^2/\text{NDF}: 94861.5/29$

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: -43.986+/-0.655 χ^2/NDF : 814.6/11

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

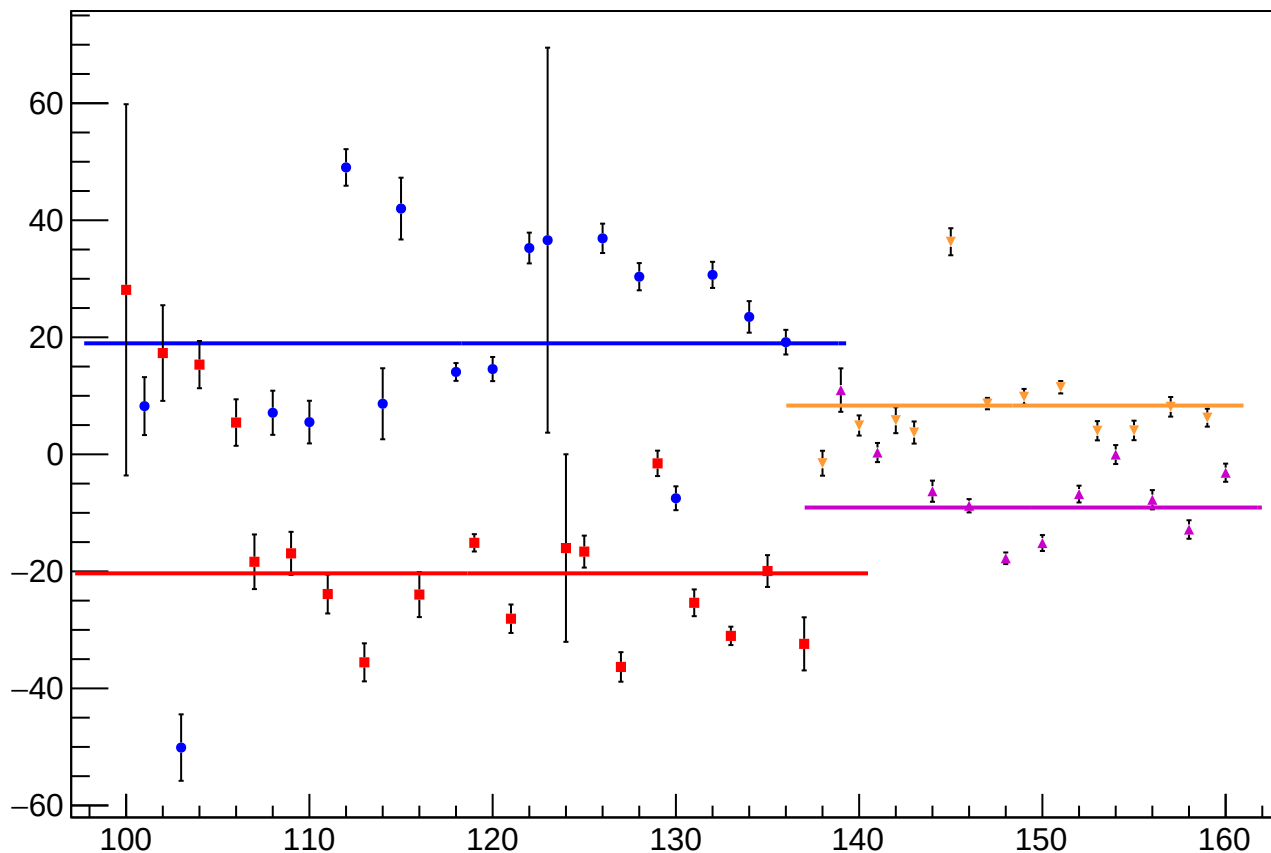
Left In: 44.700+/-0.654 χ^2/NDF : 561.2/10

-43.986+/-0.655 χ^2/NDF : 814.6/11

0.439+/-0.463 χ^2/NDF : 10552.6/22

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: 8.334 ± 0.437 χ^2/NDF : 204.5/11

Right Out: -20.338 ± 0.642 χ^2/NDF : 366.4/18

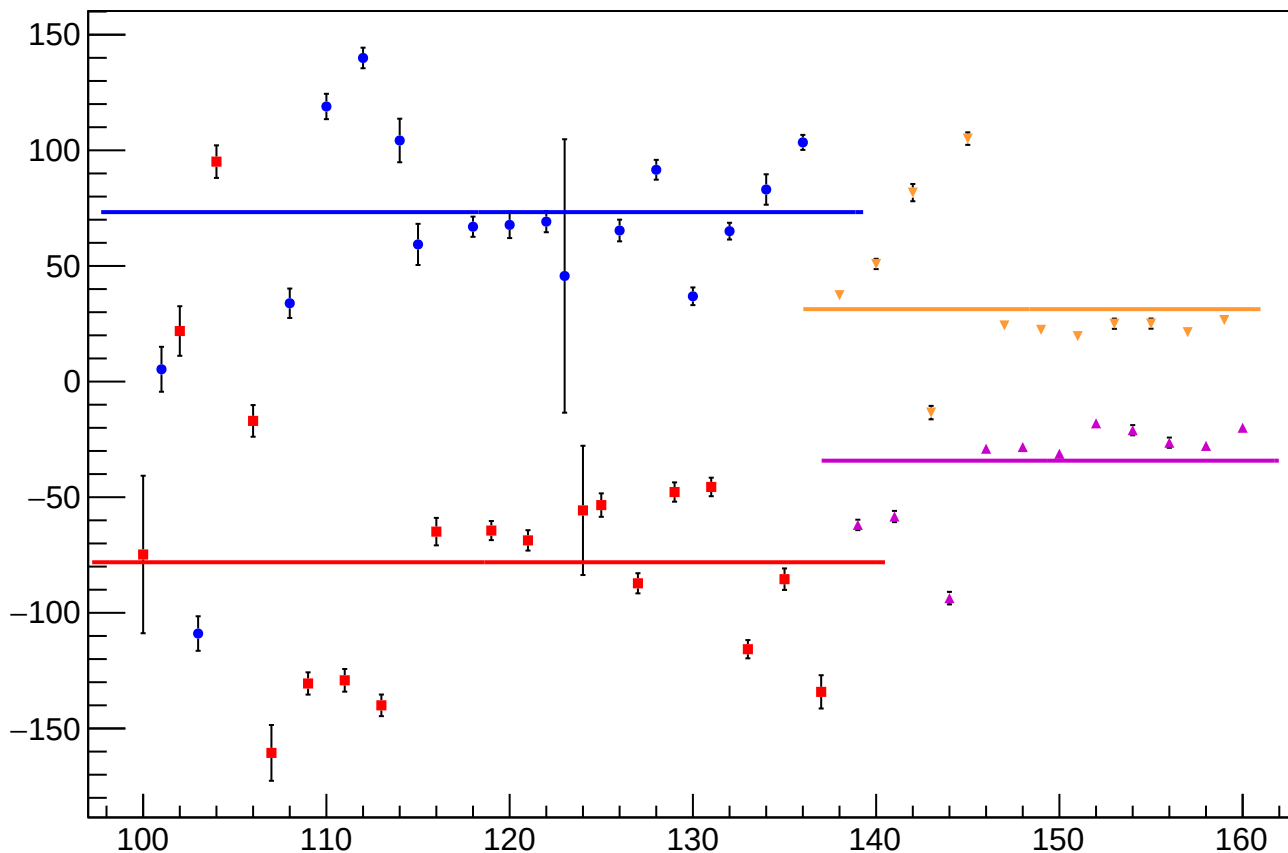
Left In: -9.092 ± 0.442 χ^2/NDF : 215.7/10

11.628 ± 0.363 χ^2/NDF : 1006.1/28

-0.523 ± 0.257 χ^2/NDF : 4034.9/58

-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 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 31.319 $\pm$ 0.640 χ^2 /NDF:1366.9/11

Right Out: -78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

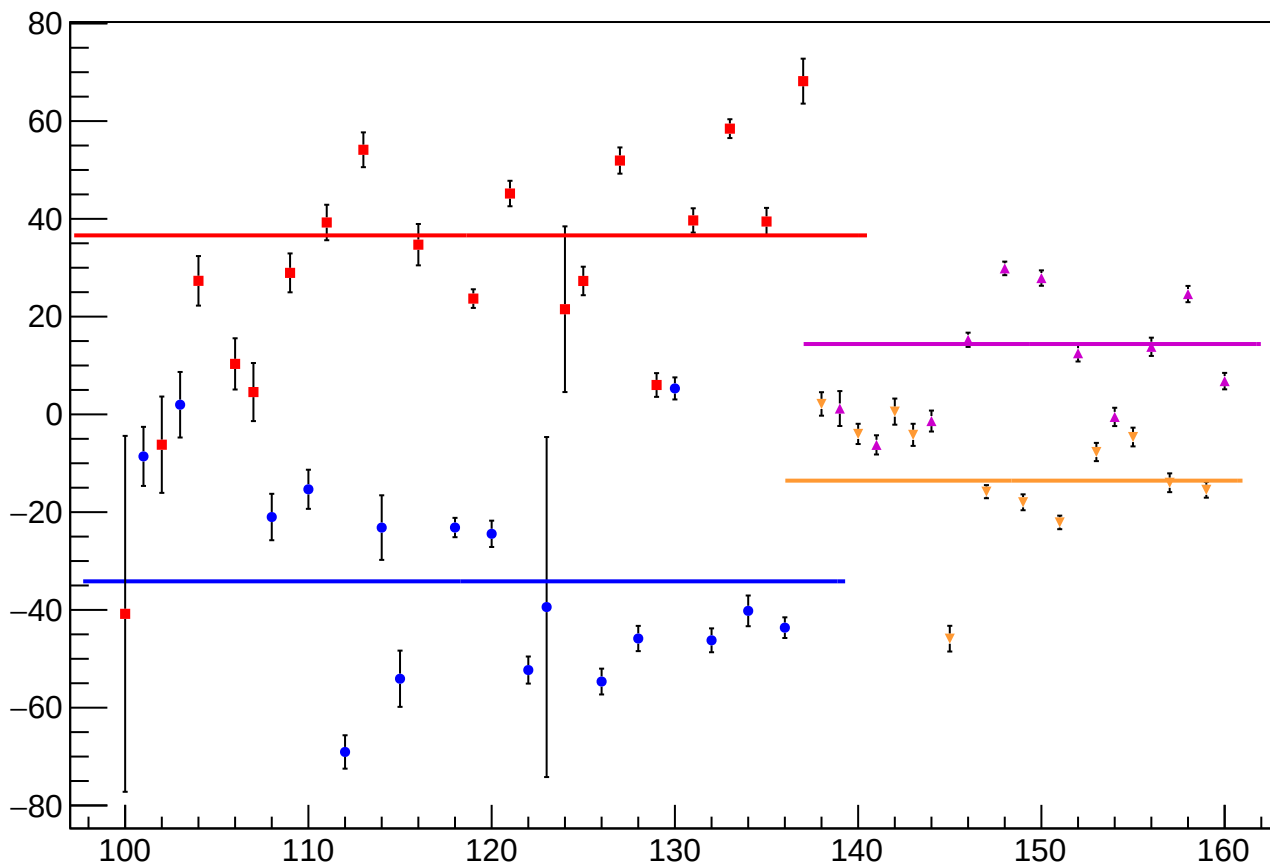
Left In: -34.200 $\pm$ 0.633 χ^2 /NDF:930.5/10

40.183 $\pm$ 0.568 χ^2 /NDF: 3473.8/28

-2.124 $\pm$ 0.400 χ^2 /NDF: 17925.4/58

-43.479 $\pm$ 0.562 χ^2 /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: -13.554 ± 0.530 χ^2/NDF : 341.3/11

Right Out: 36.618 ± 0.736 χ^2/NDF : 547.0/18

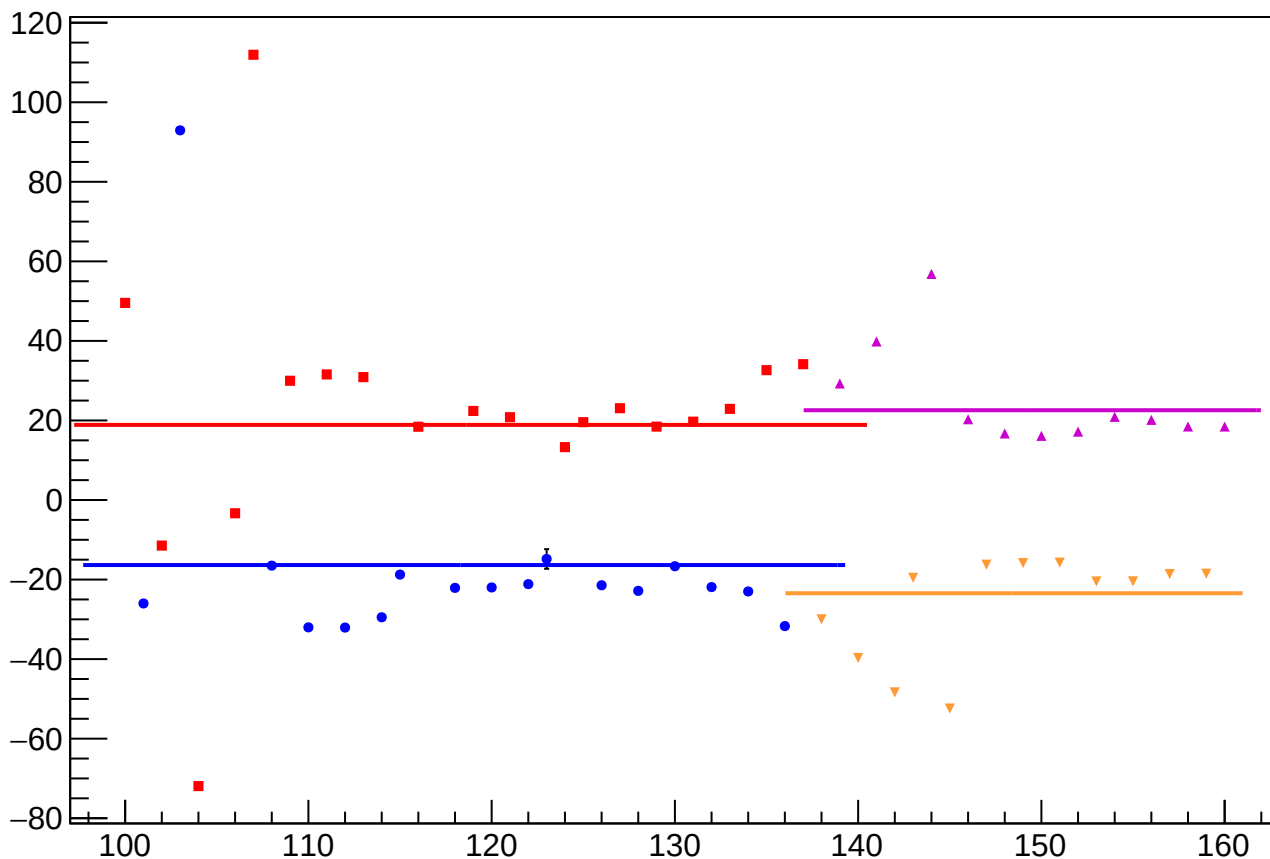
Left In: 14.394 ± 0.528 χ^2/NDF : 498.5/10

-20.481 ± 0.432 χ^2/NDF : 1566.3/28

0.872 ± 0.304 χ^2/NDF : 8071.0/58

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 $\pm$ 0.045 χ^2 /NDF: 474192.3/16

Left Out: -23.436 $\pm$ 0.025 χ^2 /NDF: 172217.9/11

Right Out: 18.886 $\pm$ 0.045 χ^2 /NDF: 433793.7/18

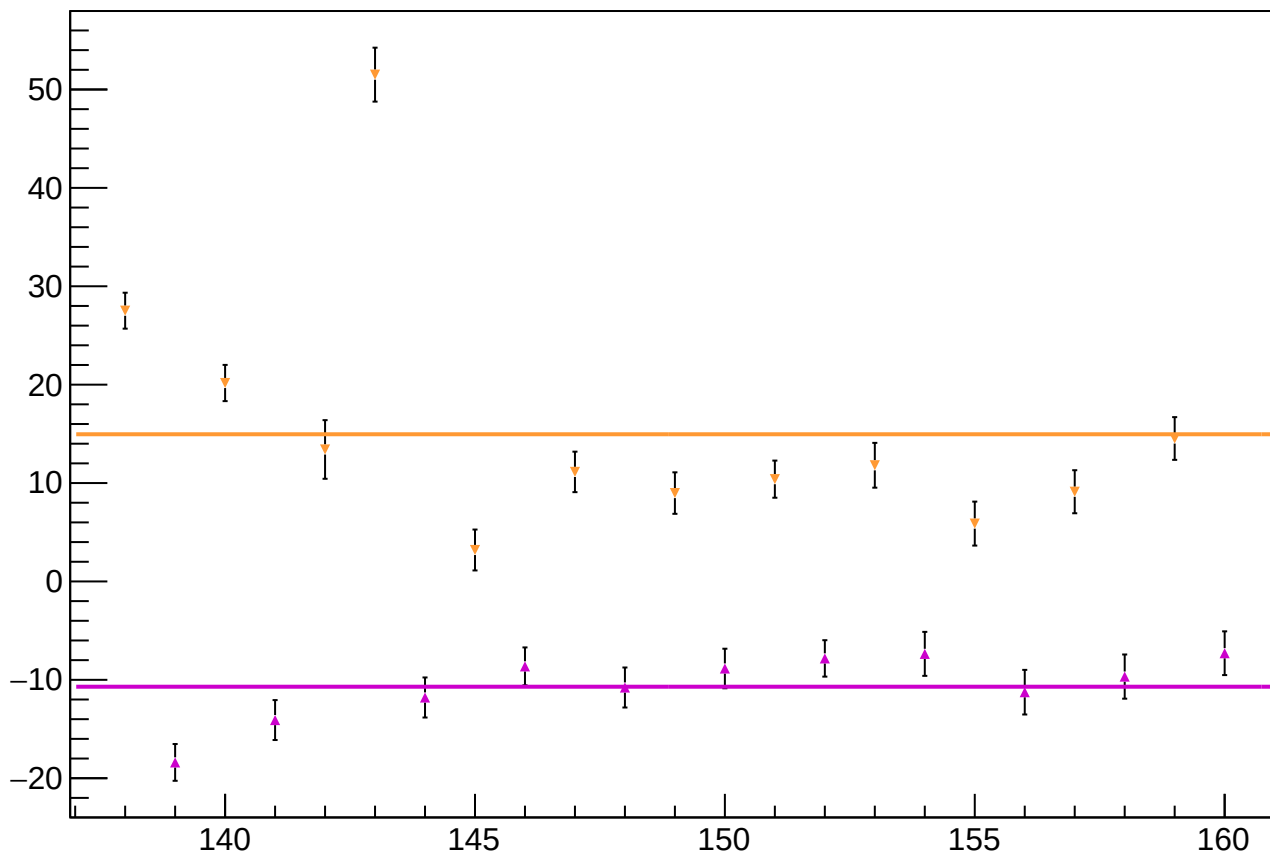
Left In: 22.574 $\pm$ 0.025 χ^2 /NDF: 146126.4/10

-21.732 $\pm$ 0.022 χ^2 /NDF: 665550.1/28

0.288 $\pm$ 0.015 χ^2 /NDF: 3247564.8/58

21.735 $\pm$ 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: 14.959+/-0.617 χ^2/NDF : 308.3/11

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

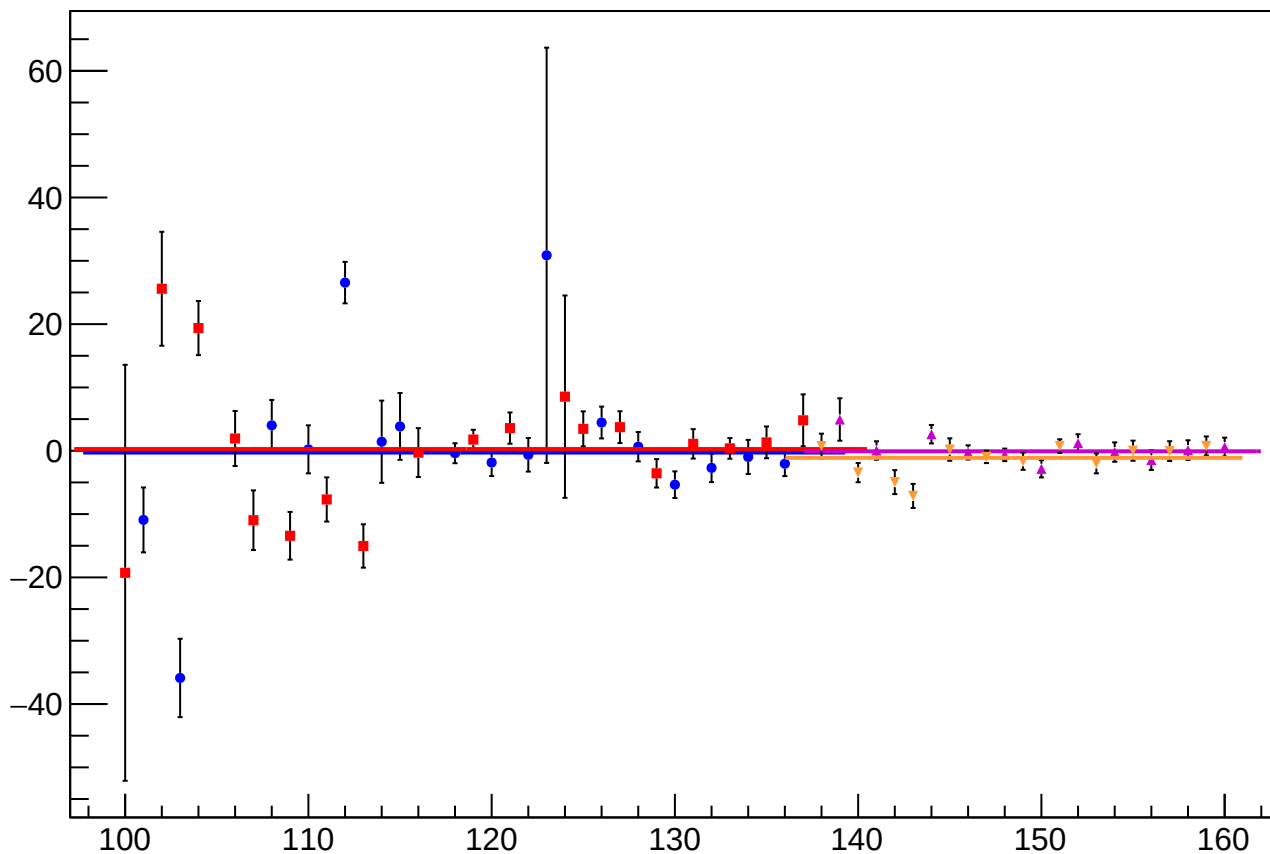
Left In: -10.700+/-0.618 χ^2/NDF : 29.3/10

14.959+/-0.617 χ^2/NDF : 308.3/11

2.157+/-0.437 χ^2/NDF : 1200.9/22

-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: -1.114 ± 0.419 χ^2/NDF : 23.9/11

Right Out: 0.270 ± 0.656 χ^2/NDF : 83.2/18

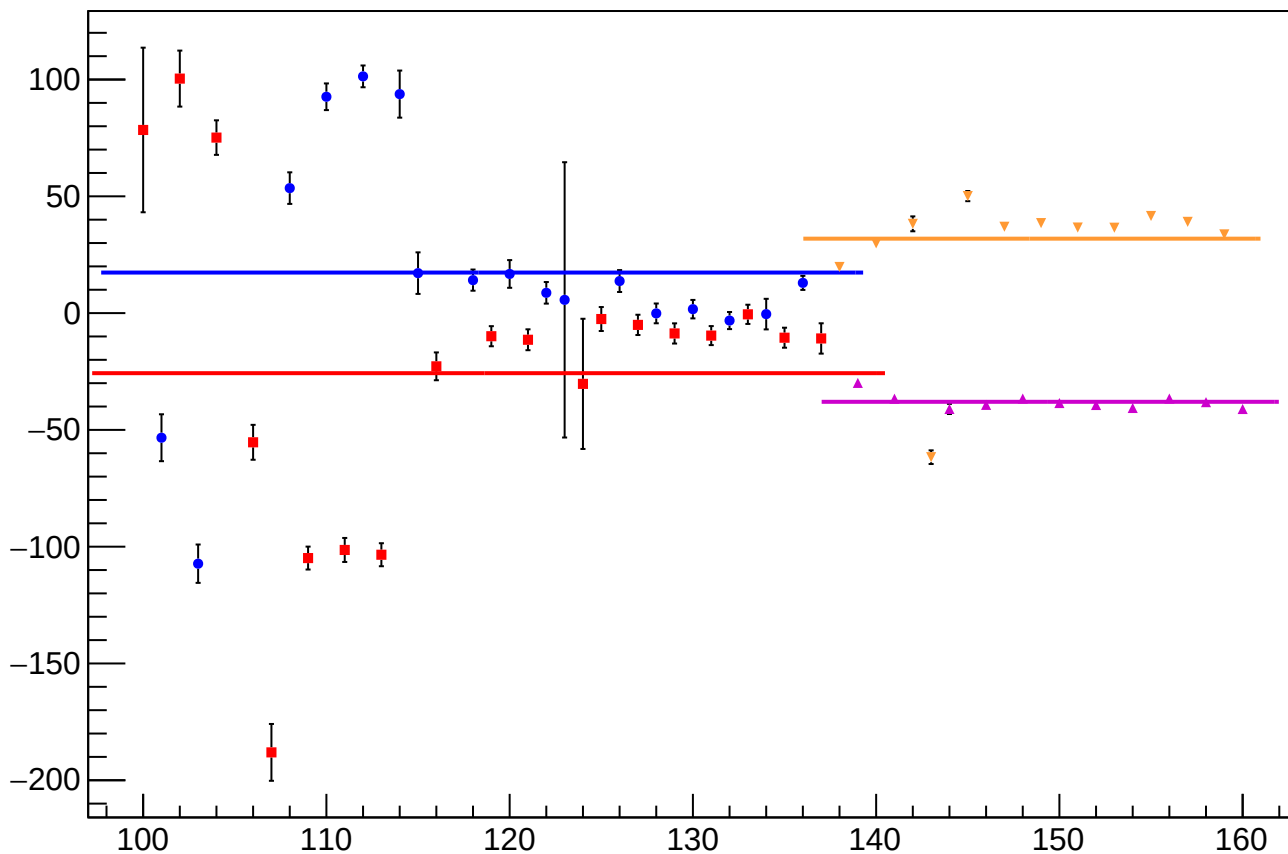
Left In: -0.084 ± 0.423 χ^2/NDF : 12.0/10

-0.875 ± 0.354 χ^2/NDF : 144.6/28

-0.429 ± 0.251 χ^2/NDF : 243.1/58

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 χ^2/NDF : 943.0/16

Left Out: 31.872 ± 0.606 χ^2/NDF : 1200.0/11

Right Out: -25.717 ± 1.243 χ^2/NDF : 1378.8/18

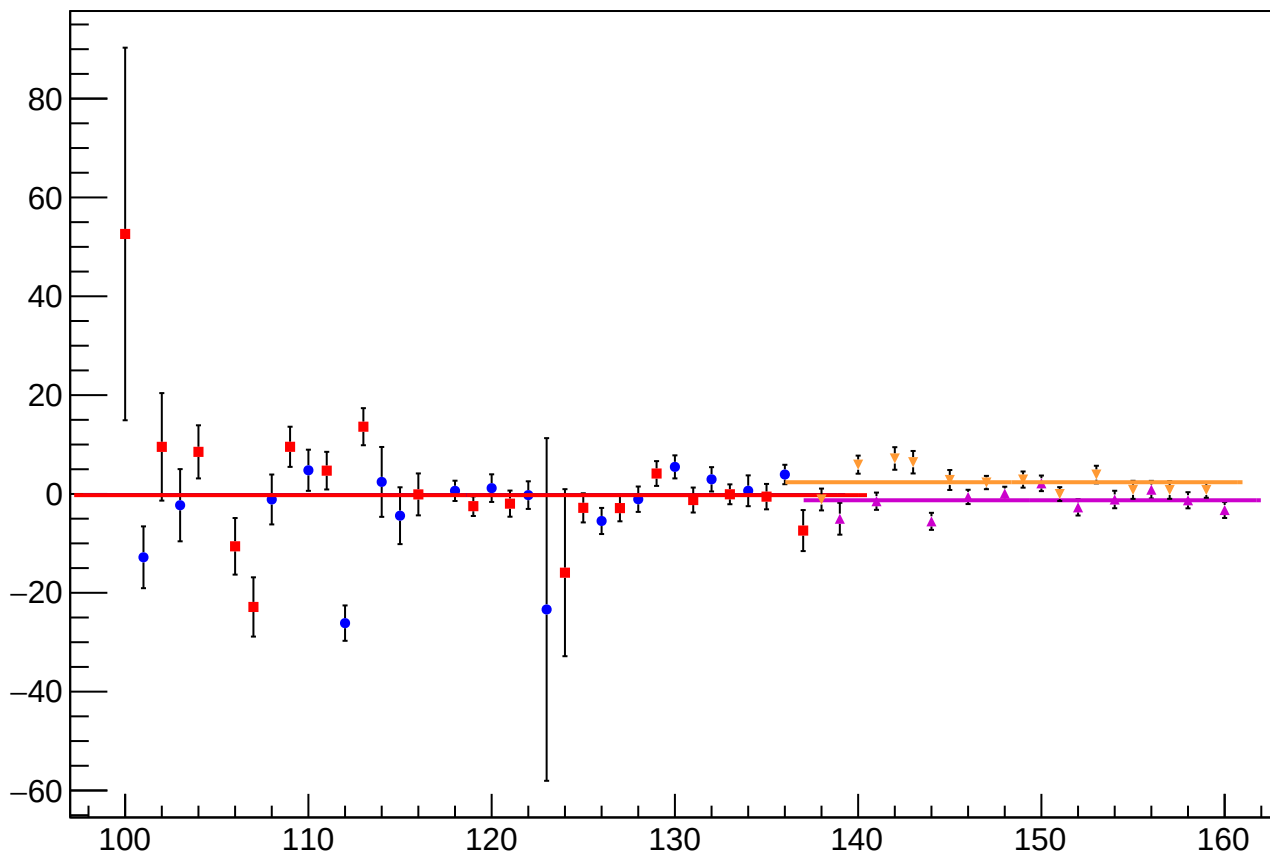
Left In: -37.976 ± 0.601 χ^2/NDF : 24.3/10

29.099 ± 0.545 χ^2/NDF : 2252.5/28

-3.501 ± 0.384 χ^2/NDF : 10837.7/58

-35.650 ± 0.541 χ^2/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: 2.375 ± 0.506 χ^2/NDF : 20.2/11

Right Out: -0.239 ± 0.748 χ^2/NDF : 54.5/18

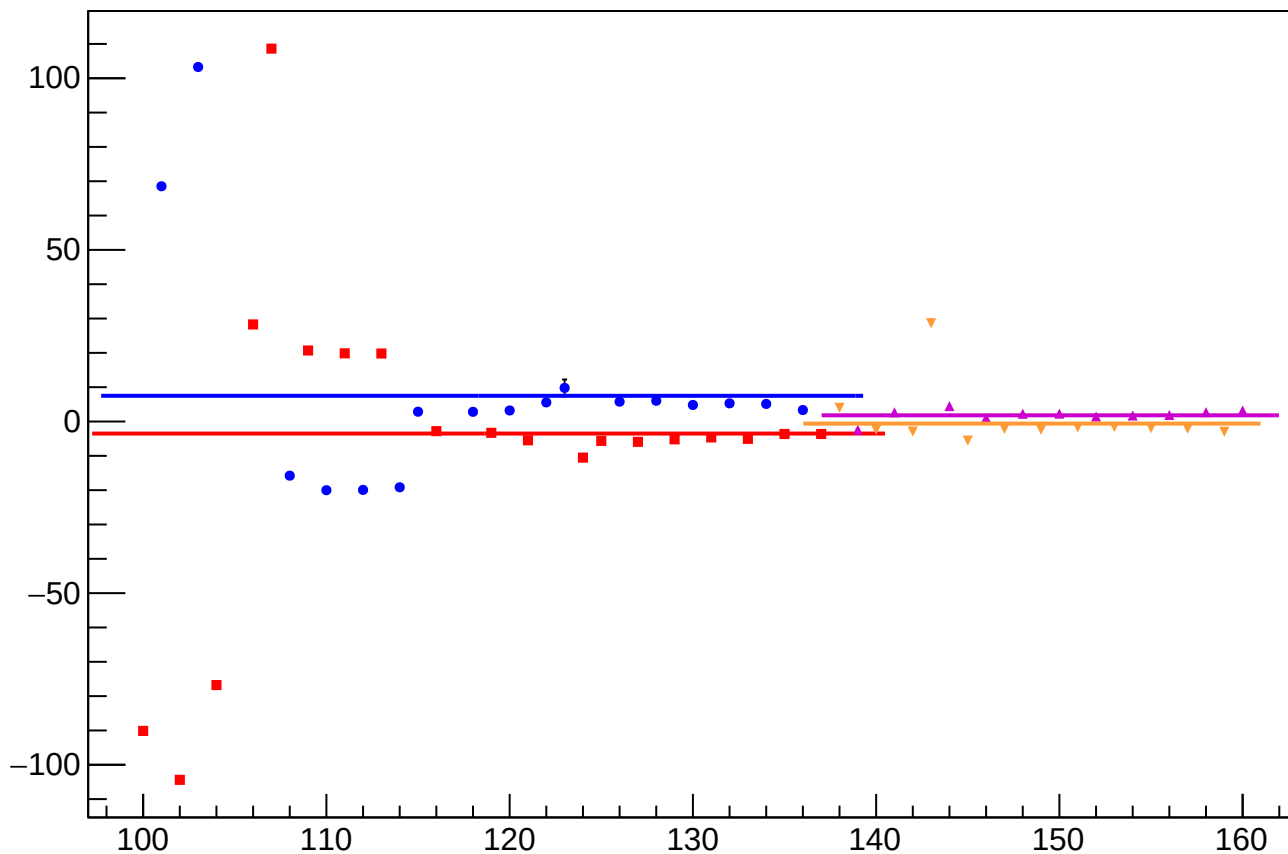
Left In: -1.276 ± 0.505 χ^2/NDF : 17.1/10

1.569 ± 0.420 χ^2/NDF : 104.3/28

0.304 ± 0.296 χ^2/NDF : 195.3/58

-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 ± 0.045 χ^2/NDF : 355979.0/16

Left Out: -0.605 ± 0.024 χ^2/NDF : 73108.6/11

Right Out: -3.504 ± 0.046 χ^2/NDF : 510579.4/18

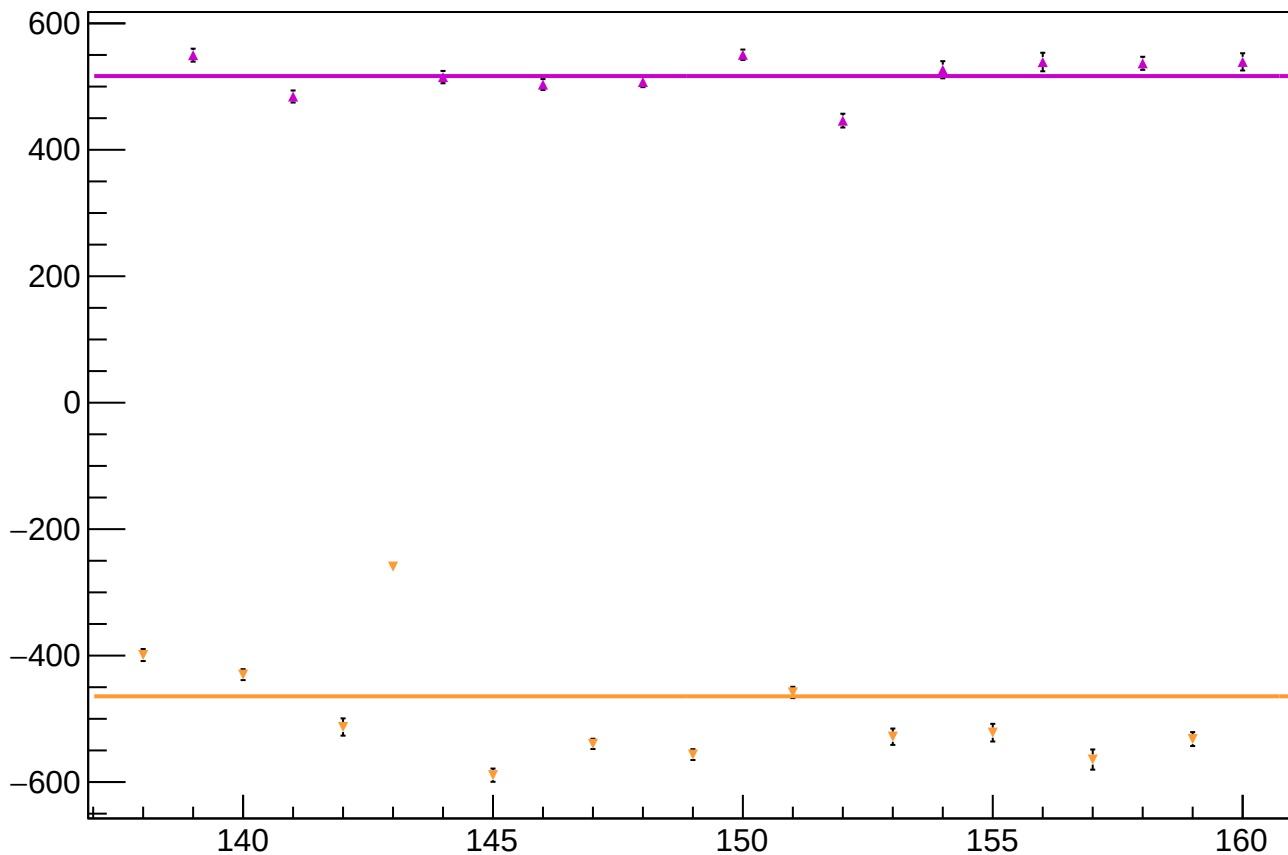
Left In: 1.810 ± 0.023 χ^2/NDF : 5015.7/10

1.176 ± 0.021 χ^2/NDF : 454758.2/28

0.940 ± 0.015 χ^2/NDF : 981357.2/58

0.708 ± 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: -464.414 ± 2.843 χ^2/NDF : 1392.2/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

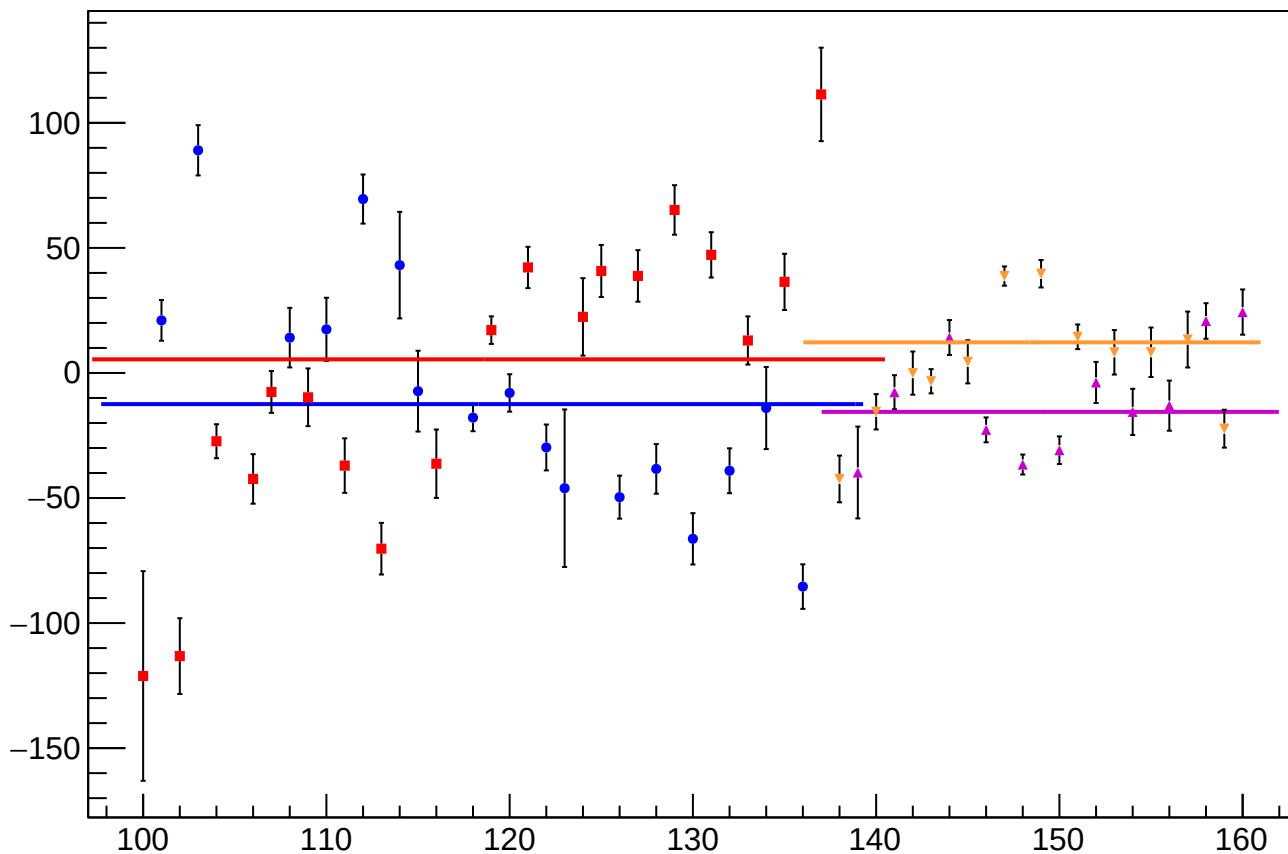
Left In: 516.638 ± 3.053 χ^2/NDF : 93.6/10

-464.414 ± 2.843 χ^2/NDF : 1392.2/11

-8.799 ± 2.080 χ^2/NDF : 56796.1/22

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: 12.237 ± 1.852 χ^2/NDF : 156.7/11

Right Out: 5.453 ± 2.259 χ^2/NDF : 345.0/18

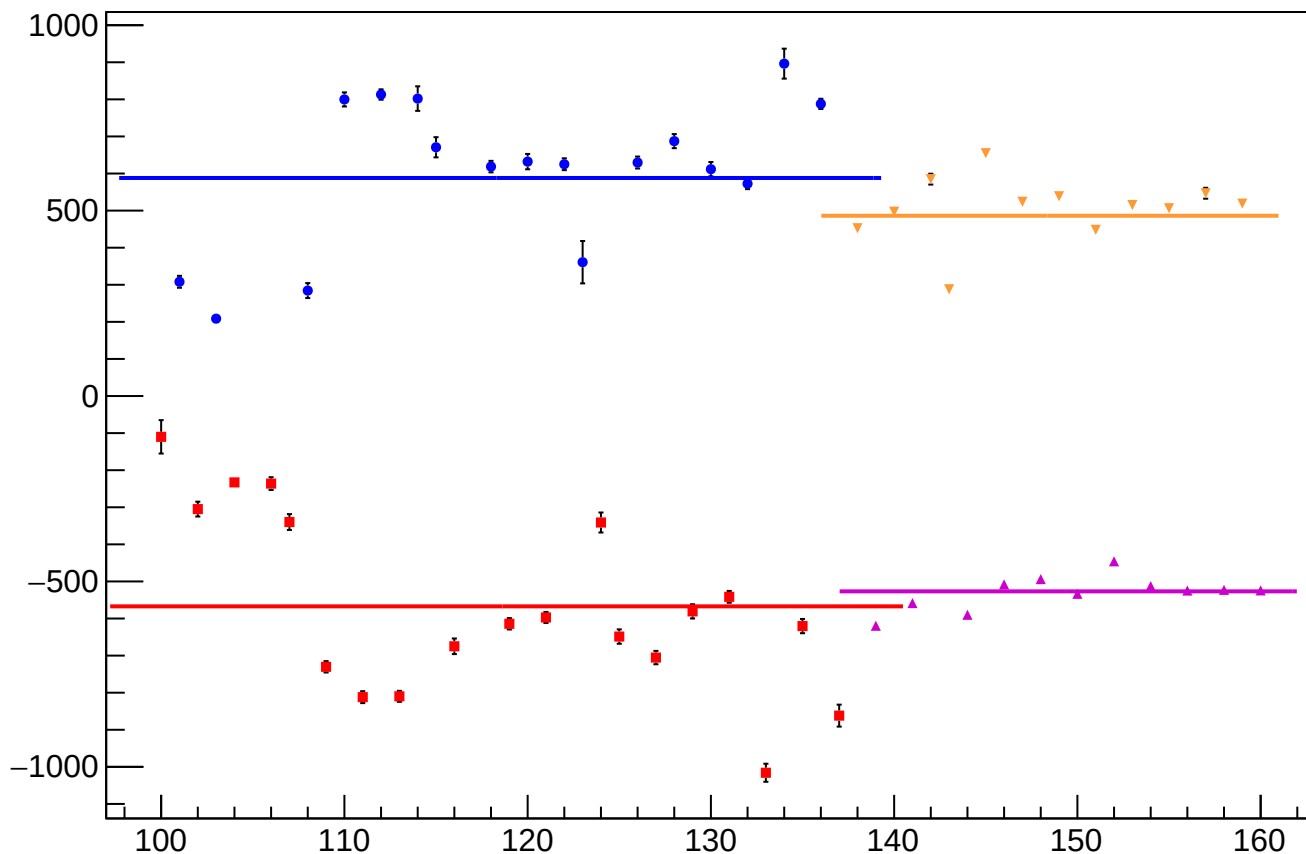
Left In: -15.557 ± 2.002 χ^2/NDF : 106.6/10

2.767 ± 1.454 χ^2/NDF : 565.9/28

-1.640 ± 1.044 χ^2/NDF : 1084.8/58

-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: 486.125 ± 2.821 $\chi^2/\text{NDF}: 1115.5/11$

Right Out: -567.179 ± 4.136 $\chi^2/\text{NDF}: 2783.2/18$

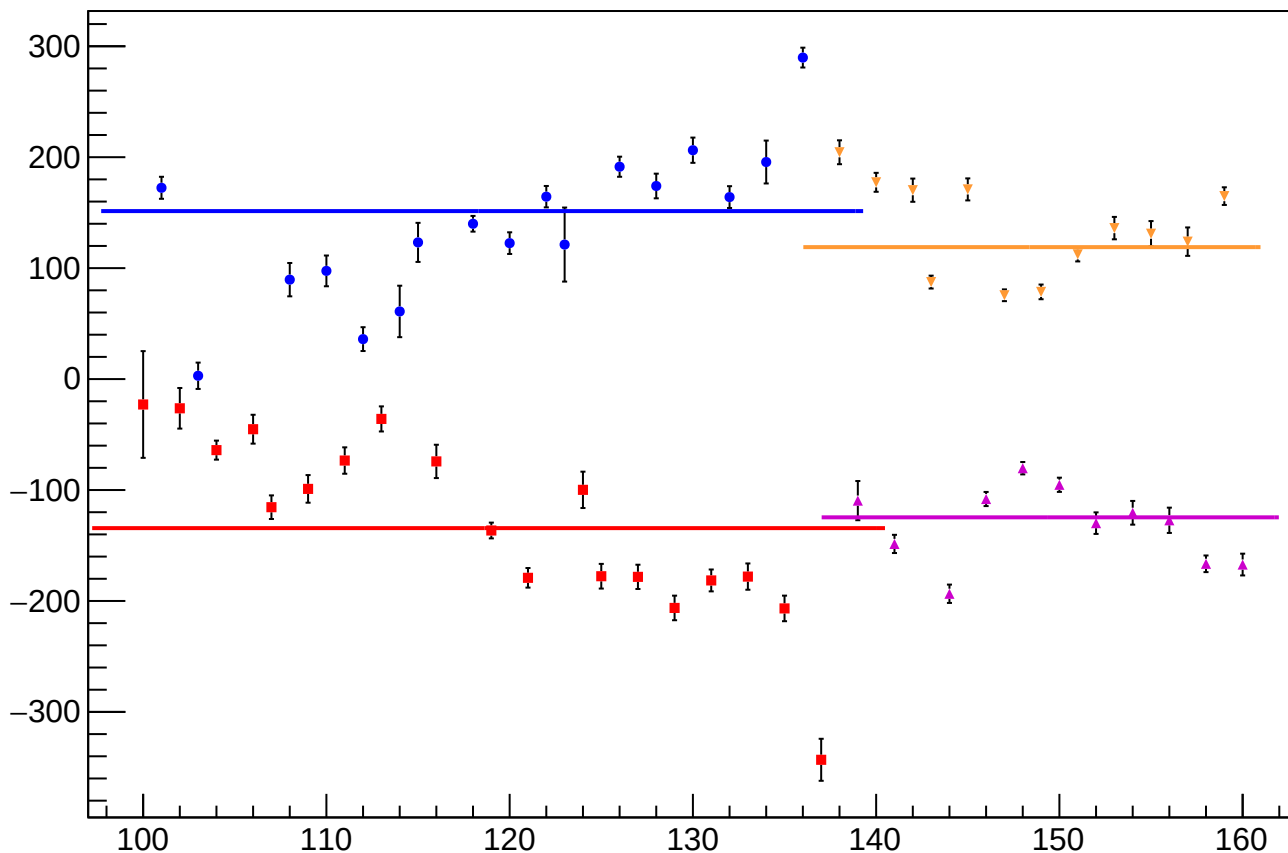
Left In: -526.764 ± 2.967 $\chi^2/\text{NDF}: 201.6/10$

516.250 ± 2.367 $\chi^2/\text{NDF}: 3630.8/28$

-2.469 ± 1.689 $\chi^2/\text{NDF}: 104514.1/58$

-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 $\pm$ 2.709 χ^2/NDF : 633.3/16

Left Out: 118.937 $\pm$ 2.274 χ^2/NDF :333.4/11

Right Out: -134.346 $\pm$ 2.616 χ^2/NDF : 584.9/18

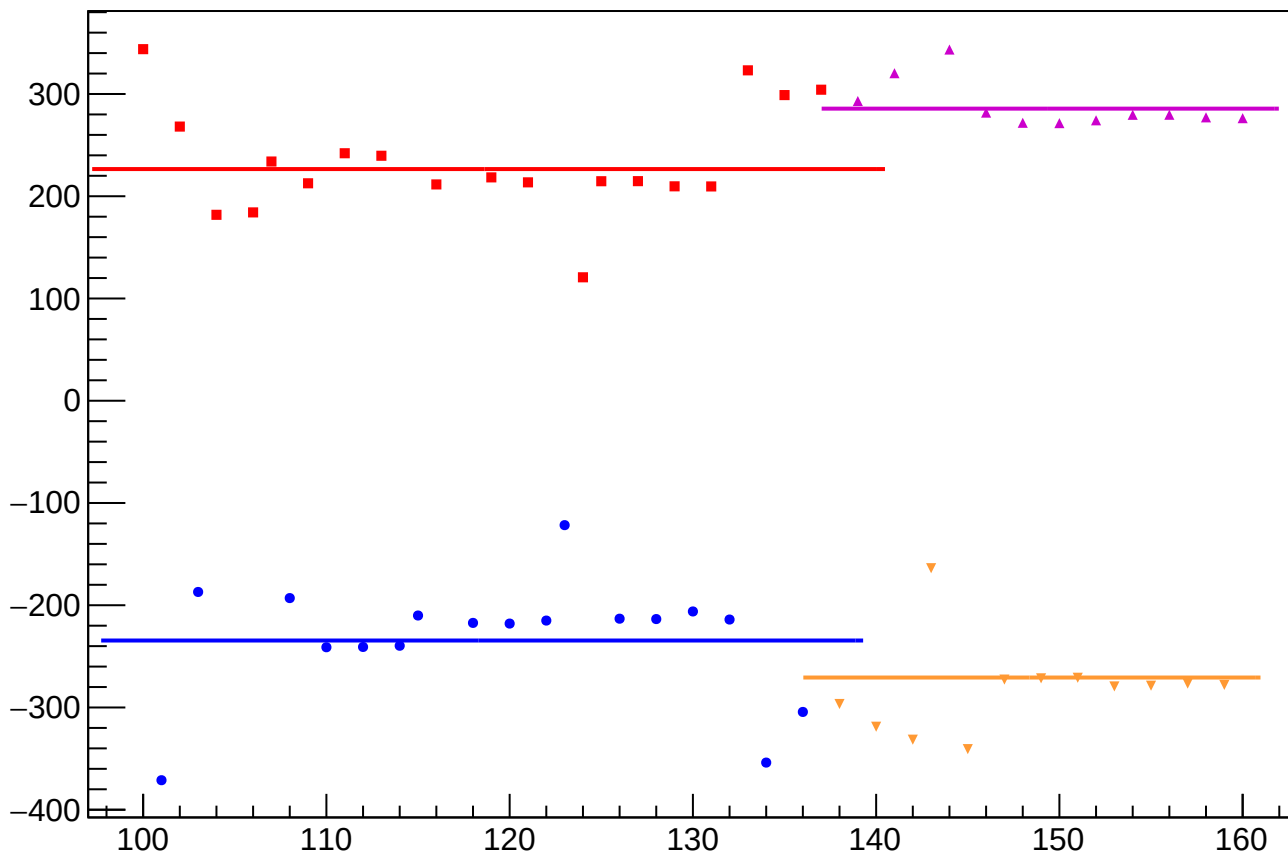
Left In: -124.619 $\pm$ 2.433 χ^2/NDF :219.8/10

132.367 $\pm$ 1.742 χ^2/NDF : 1051.0/28

4.542 $\pm$ 1.245 χ^2/NDF : 12878.7/58

-129.131 $\pm$ 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: -270.705 ± 0.114 $\chi^2/\text{NDF}: 182670.2/11$

Right Out: 226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

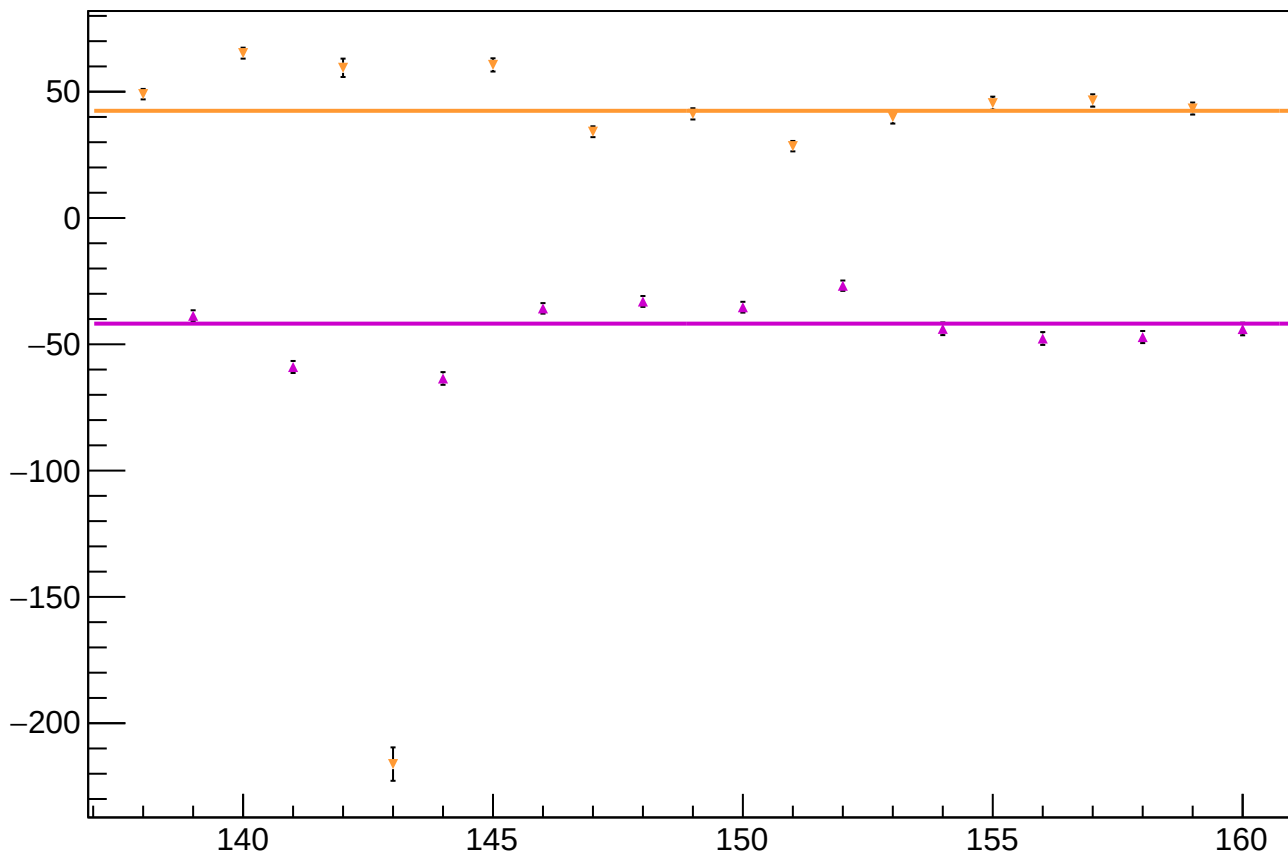
Left In: 285.676 ± 0.118 $\chi^2/\text{NDF}: 29254.0/10$

-257.293 ± 0.091 $\chi^2/\text{NDF}: 364869.8/28$

2.250 ± 0.064 $\chi^2/\text{NDF}: 16957570.7/58$

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: 42.434 ± 0.709 χ^2/NDF : 1786.7/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

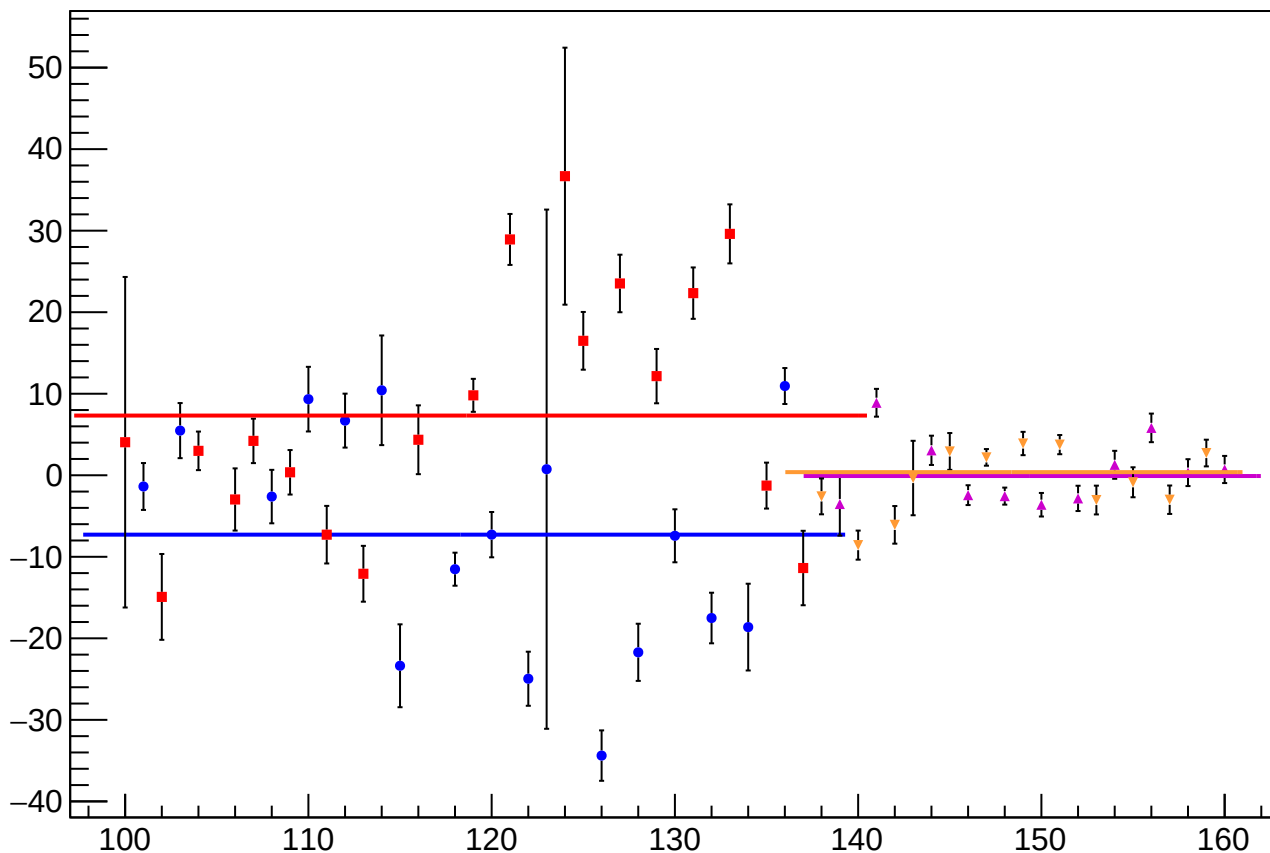
Left In: -41.819 ± 0.690 χ^2/NDF : 228.4/10

42.434 ± 0.709 χ^2/NDF : 1786.7/11

-0.860 ± 0.494 χ^2/NDF : 9269.2/22

-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: 0.385 ± 0.474 χ^2/NDF : 63.6/11

Right Out: 7.323 ± 0.761 χ^2/NDF : 255.3/18

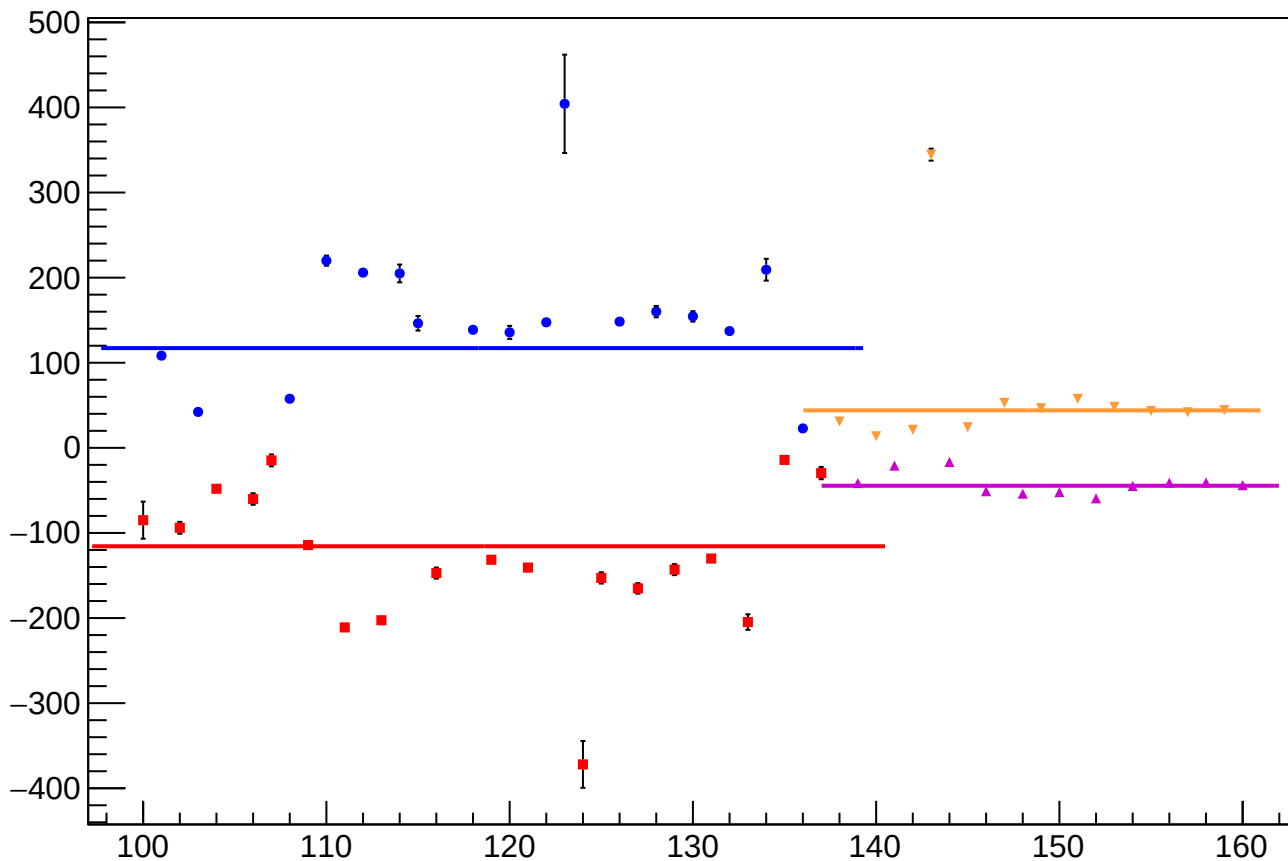
Left In: -0.093 ± 0.466 χ^2/NDF : 62.3/10

-1.653 ± 0.406 χ^2/NDF : 416.3/28

0.179 ± 0.284 χ^2/NDF : 842.7/58

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 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 44.041 ± 0.691 χ^2/NDF : 2179.8/11

Right Out: -115.632 ± 1.361 χ^2/NDF : 2137.6/18

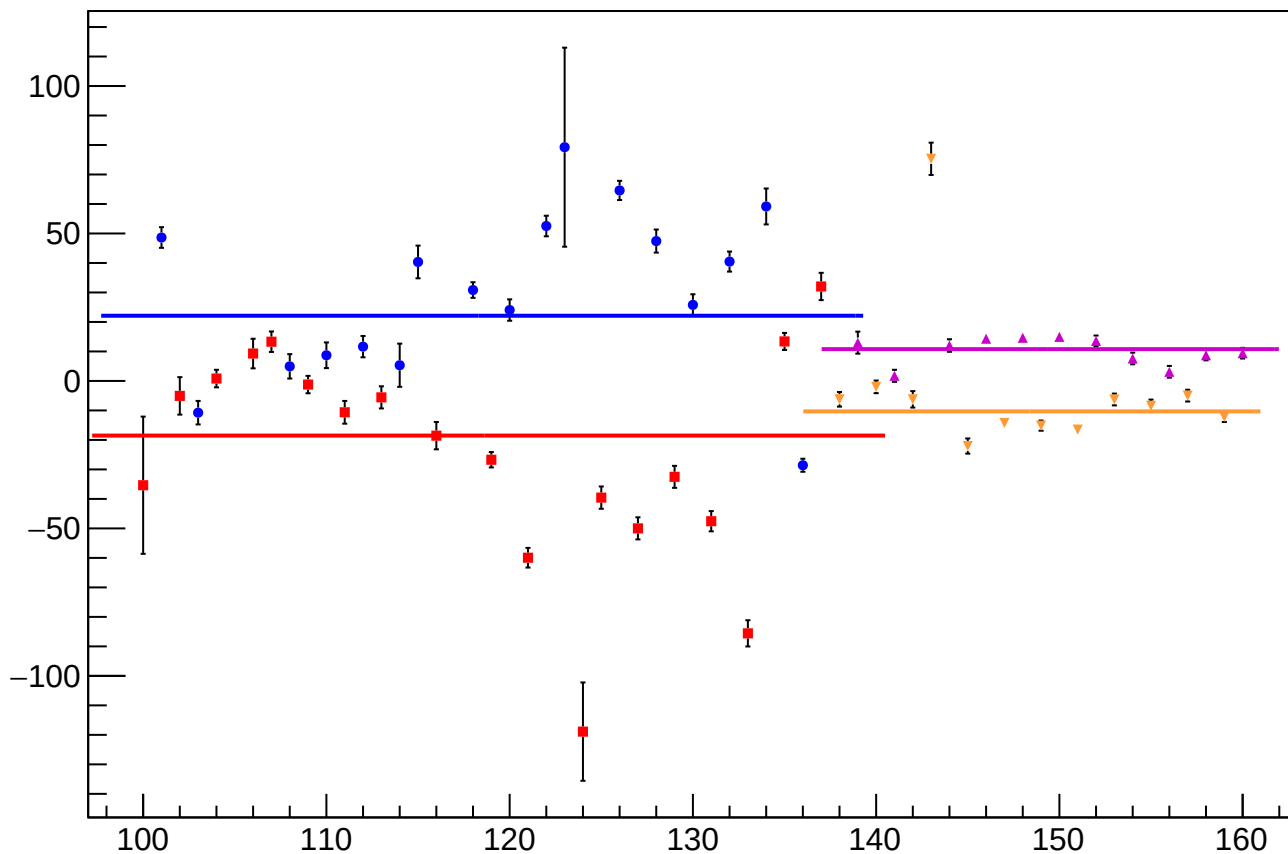
Left In: -44.533 ± 0.668 χ^2/NDF : 304.8/10

58.116 ± 0.621 χ^2/NDF : 6494.7/28

-2.163 ± 0.432 χ^2/NDF : 29321.8/58

-58.342 ± 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 $\chi^2/\text{NDF}: 1070.3/16$

Left Out: -10.328 ± 0.575 $\chi^2/\text{NDF}: 330.5/11$

Right Out: -18.521 ± 0.871 $\chi^2/\text{NDF}: 1068.6/18$

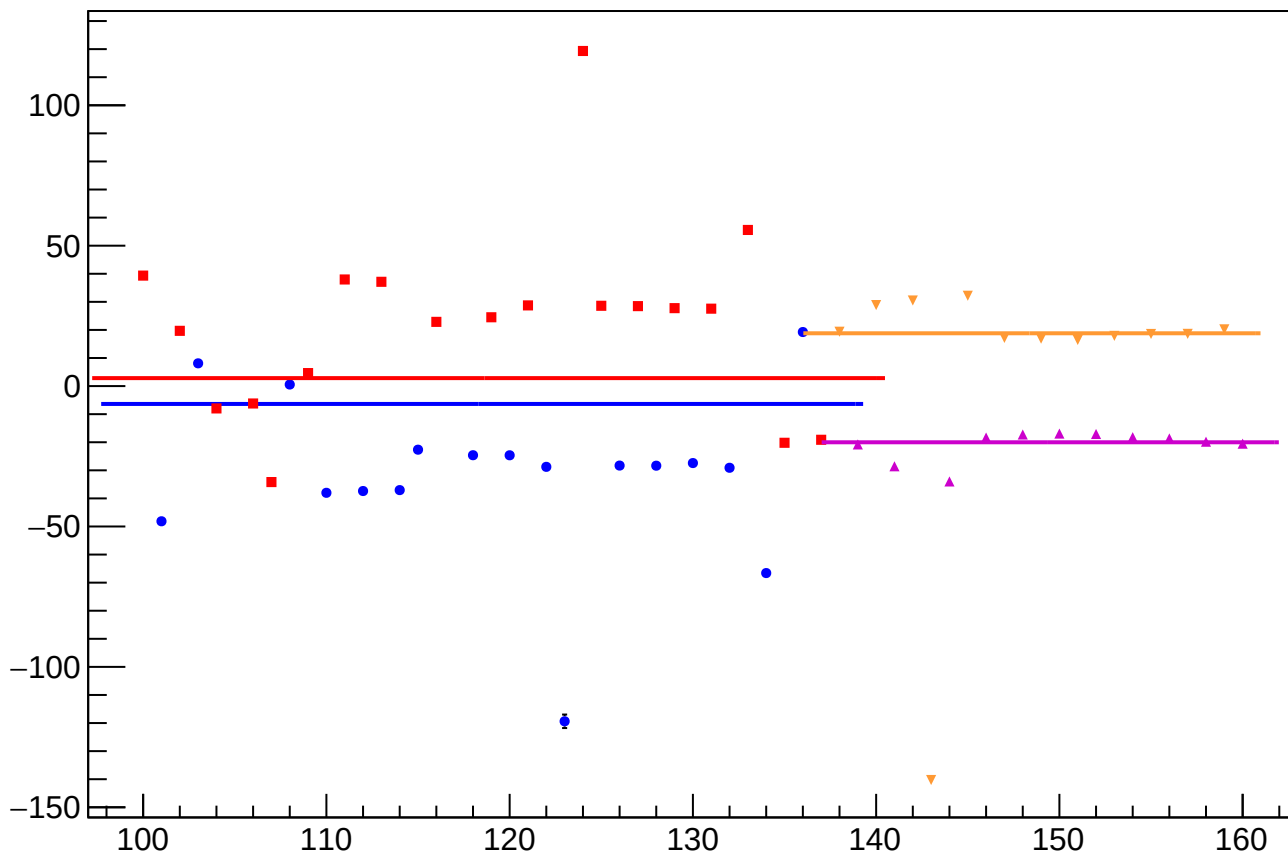
Left In: 10.785 ± 0.558 $\chi^2/\text{NDF}: 60.3/10$

-0.896 ± 0.484 $\chi^2/\text{NDF}: 2325.9/28$

0.729 ± 0.337 $\chi^2/\text{NDF}: 4279.1/58$

2.260 ± 0.470 $\chi^2/\text{NDF}: 1931.3/29$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 18.806 ± 0.027 χ^2/NDF : 348909.7/11

Right Out: 2.837 ± 0.046 χ^2/NDF : 265573.0/18

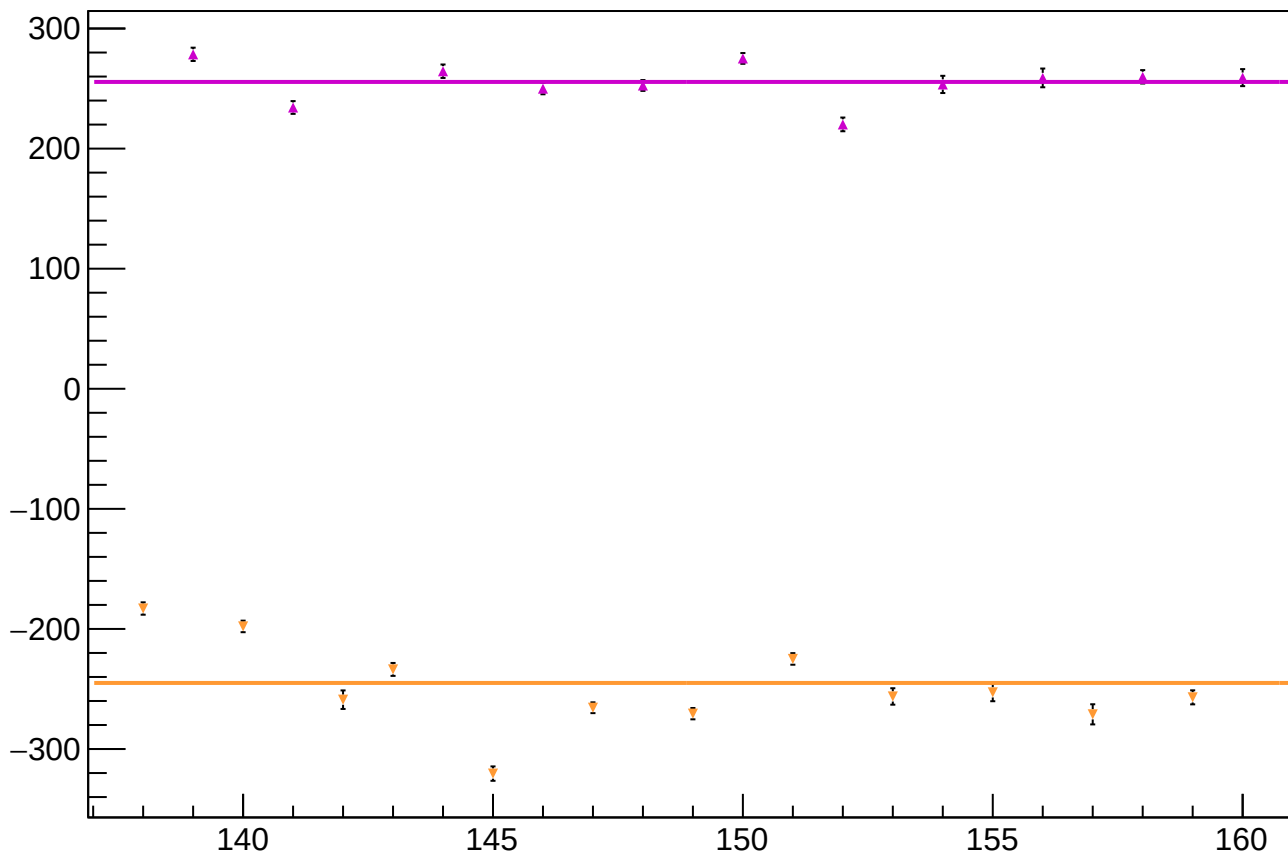
Left In: -20.013 ± 0.026 χ^2/NDF : 26145.1/10

12.377 ± 0.023 χ^2/NDF : 833498.7/28

-1.512 ± 0.016 χ^2/NDF : 1993760.1/58

-14.443 ± 0.023 χ^2/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: -244.972+/-1.621 χ^2/NDF : 492.1/11

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

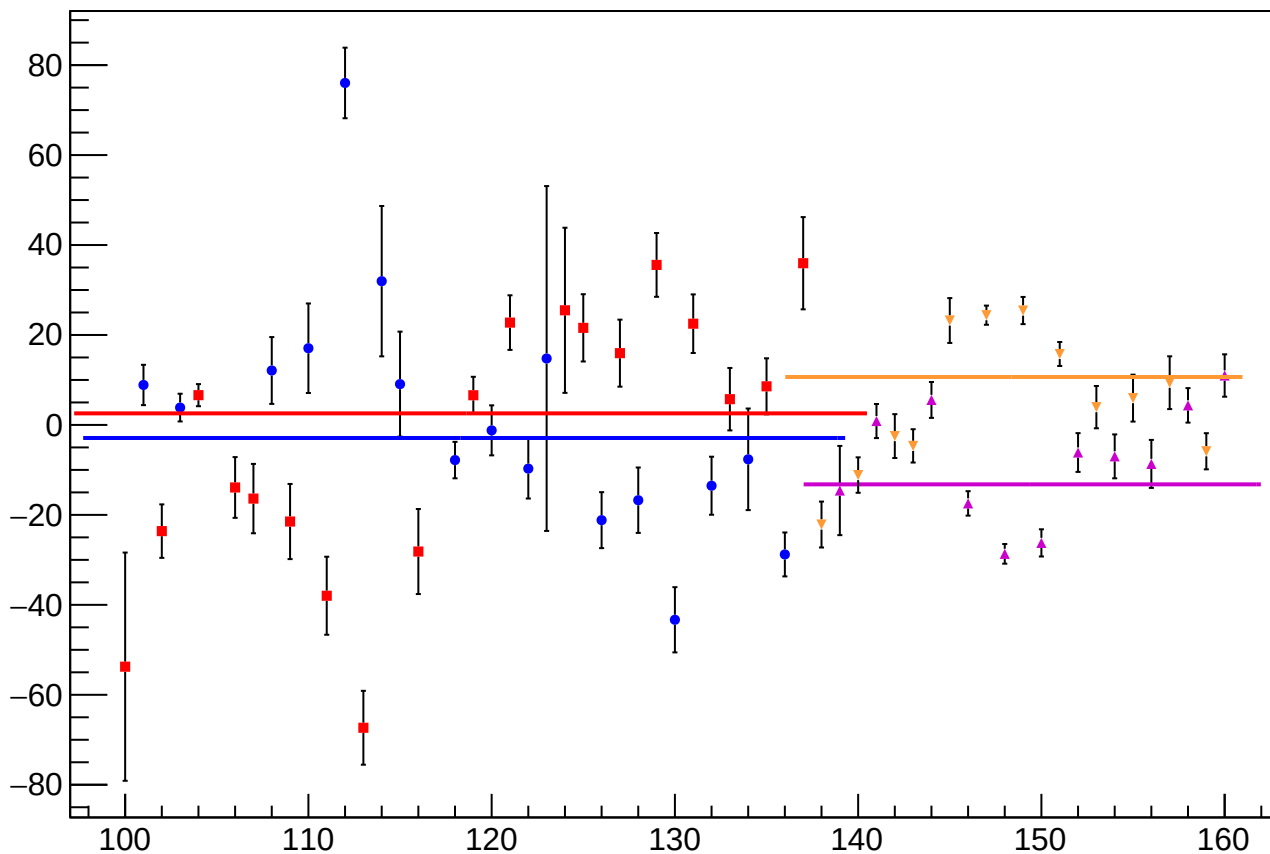
Left In: 255.520+/-1.662 χ^2/NDF : 96.0/10

-244.972+/-1.621 χ^2/NDF : 492.1/11

-0.990+/-1.161 χ^2/NDF : 47051.8/22

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: 10.658 ± 1.053 χ^2/NDF : 191.6/11

Right Out: 2.570 ± 1.396 χ^2/NDF : 218.2/18

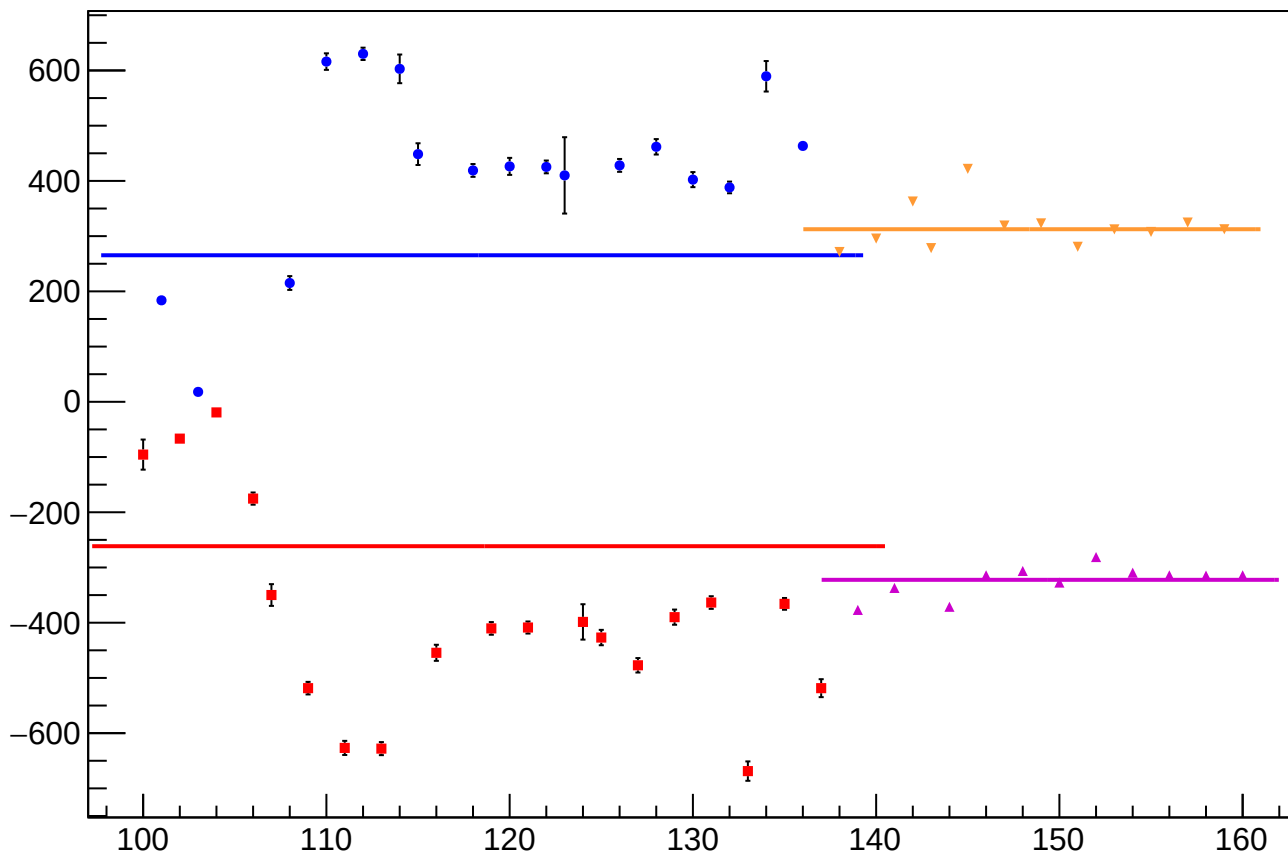
Left In: -13.213 ± 1.091 χ^2/NDF : 159.3/10

6.045 ± 0.856 χ^2/NDF : 451.5/28

-0.562 ± 0.606 χ^2/NDF : 1028.1/58

-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: 312.510 $\pm$ 1.596 χ^2/NDF : 498.5/11

Right Out: -261.465 $\pm$ 2.458 χ^2/NDF : 8204.3/18

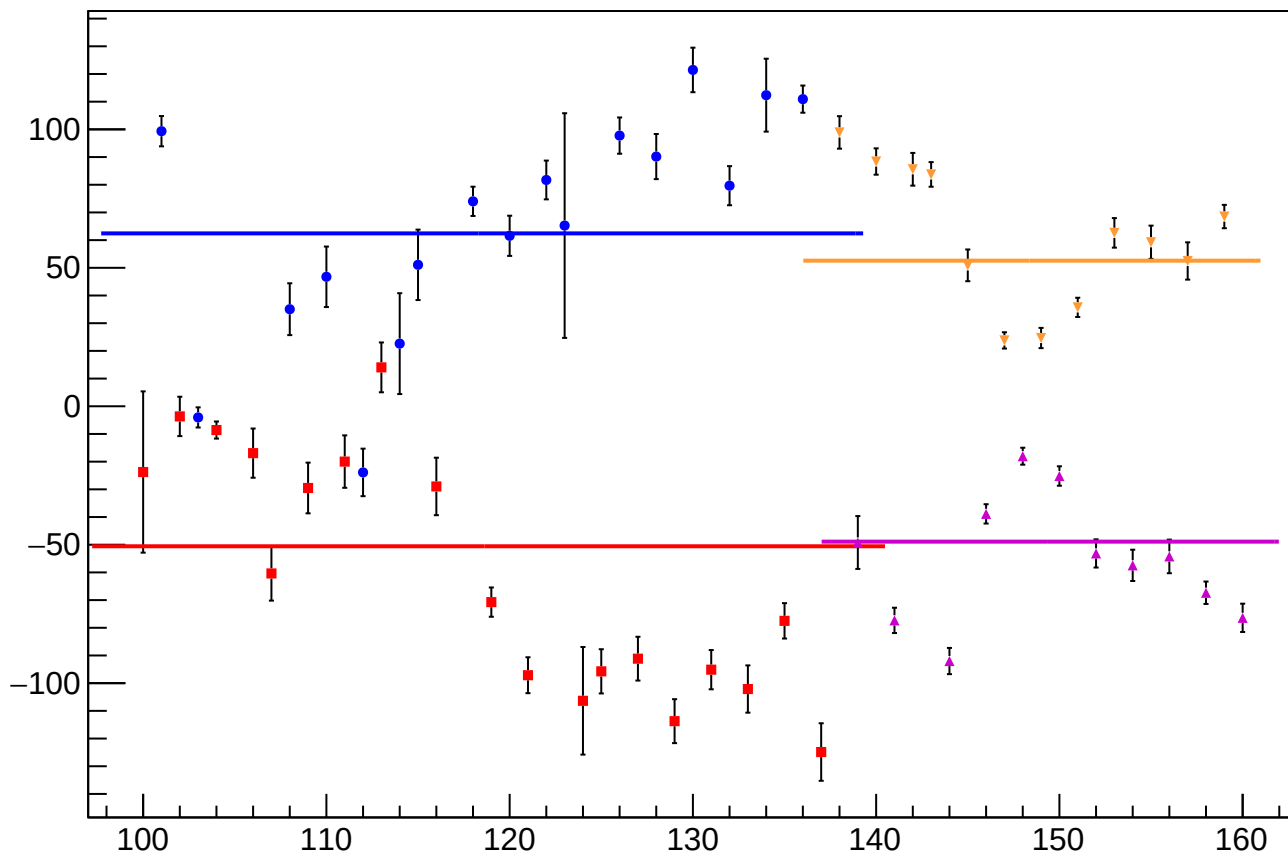
Left In: -322.348 $\pm$ 1.613 χ^2/NDF : 239.8/10

298.764 $\pm$ 1.344 χ^2/NDF : 8386.6/28

-1.532 $\pm$ 0.952 χ^2/NDF : 117540.5/58

-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+/-1.694 χ^2/NDF : 721.8/16

Left Out: 52.585+/-1.294 χ^2/NDF : 396.3/11

Right Out: -50.560+/-1.642 χ^2/NDF : 657.4/18

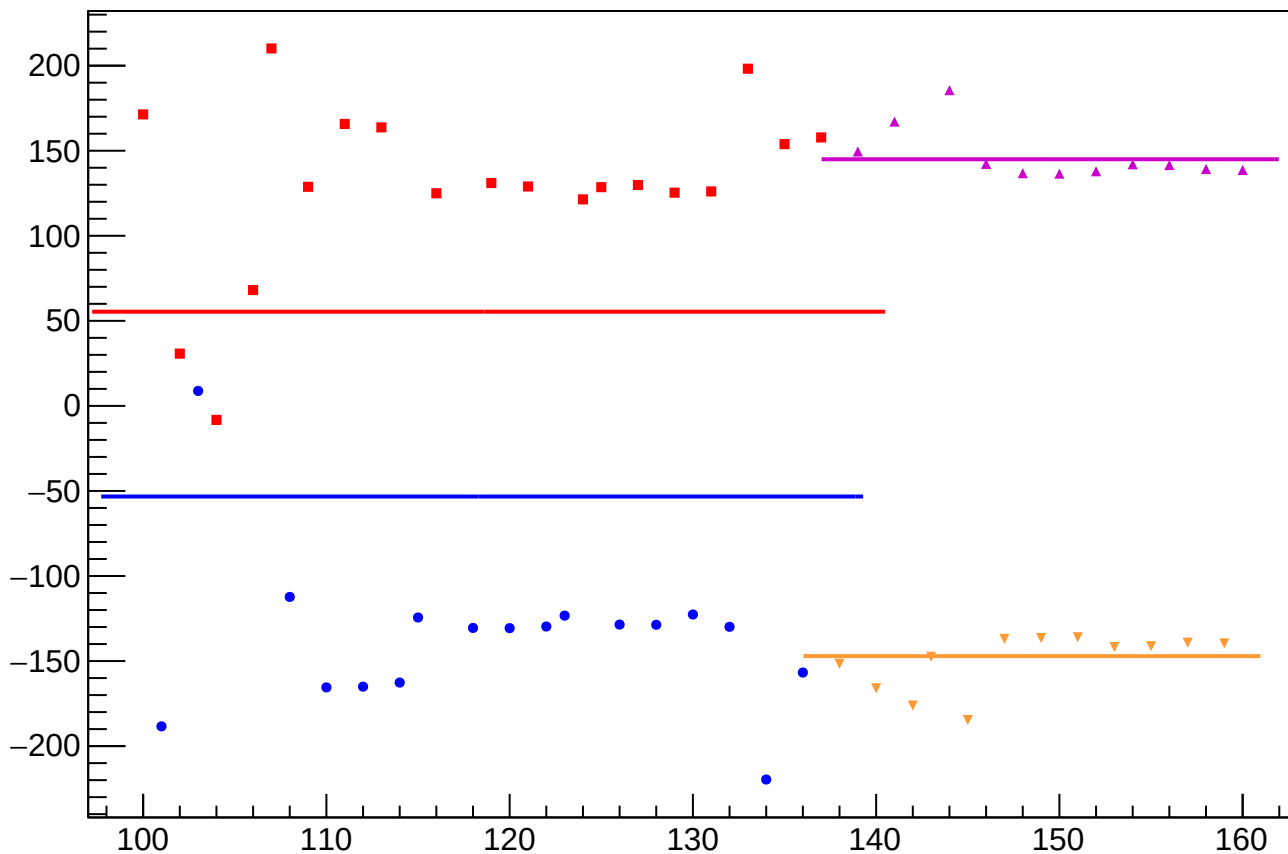
Left In: -48.887+/-1.324 χ^2/NDF : 330.9/10

56.214+/-1.028 χ^2/NDF : 1139.4/28

3.475+/-0.728 χ^2/NDF : 7405.6/58

-49.547+/-1.031 χ^2/NDF : 988.9/29

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264+/-0.070 χ^2/NDF : 1225492.9/16

Left Out: -147.107+/-0.065 χ^2/NDF : 50444.0/11

Right Out: 55.373+/-0.072 χ^2/NDF : 967027.2/18

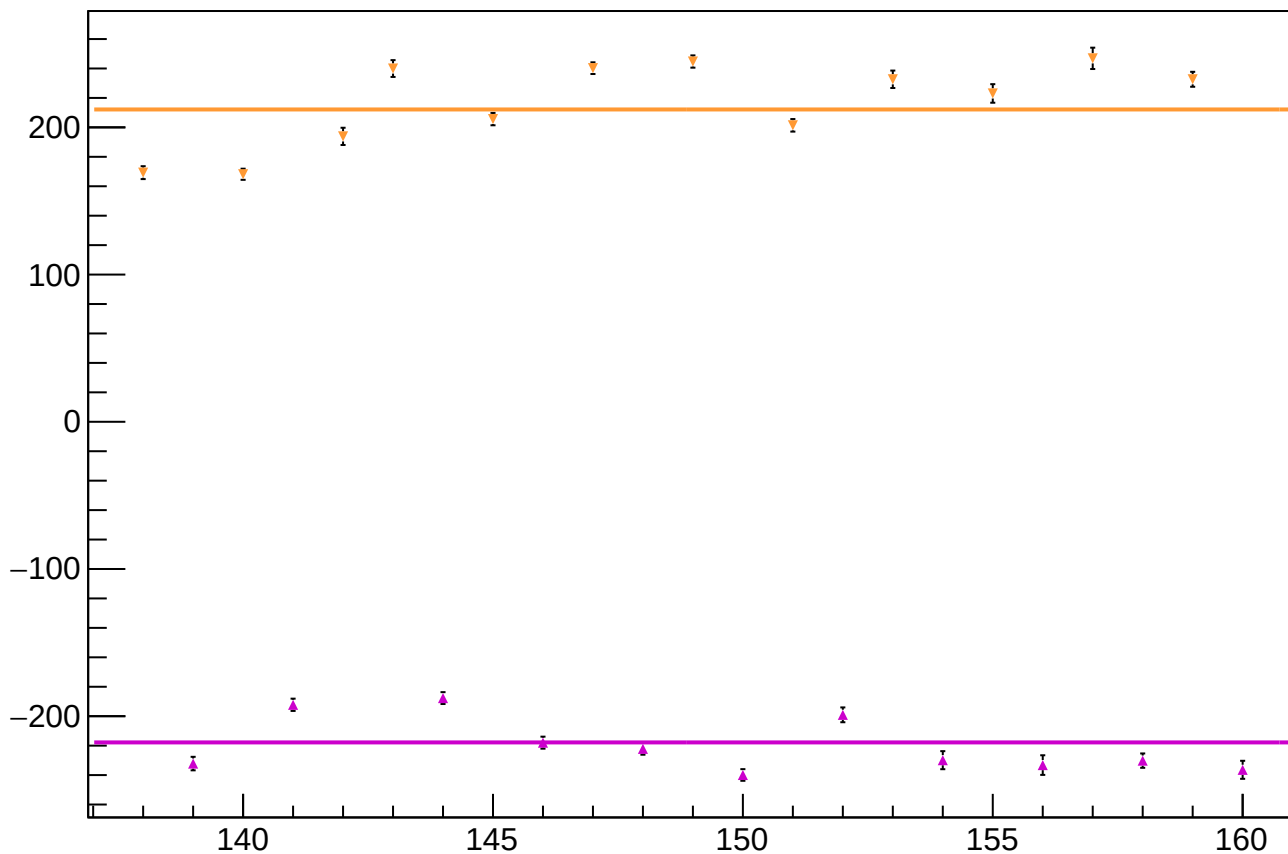
Left In: 144.988+/-0.064 χ^2/NDF : 41273.6/10

-104.280+/-0.048 χ^2/NDF : 2241590.4/28

0.007+/-0.034 χ^2/NDF : 13780680.3/58

105.404+/-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: 212.164+/-1.379 χ^2/NDF : 438.9/11

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

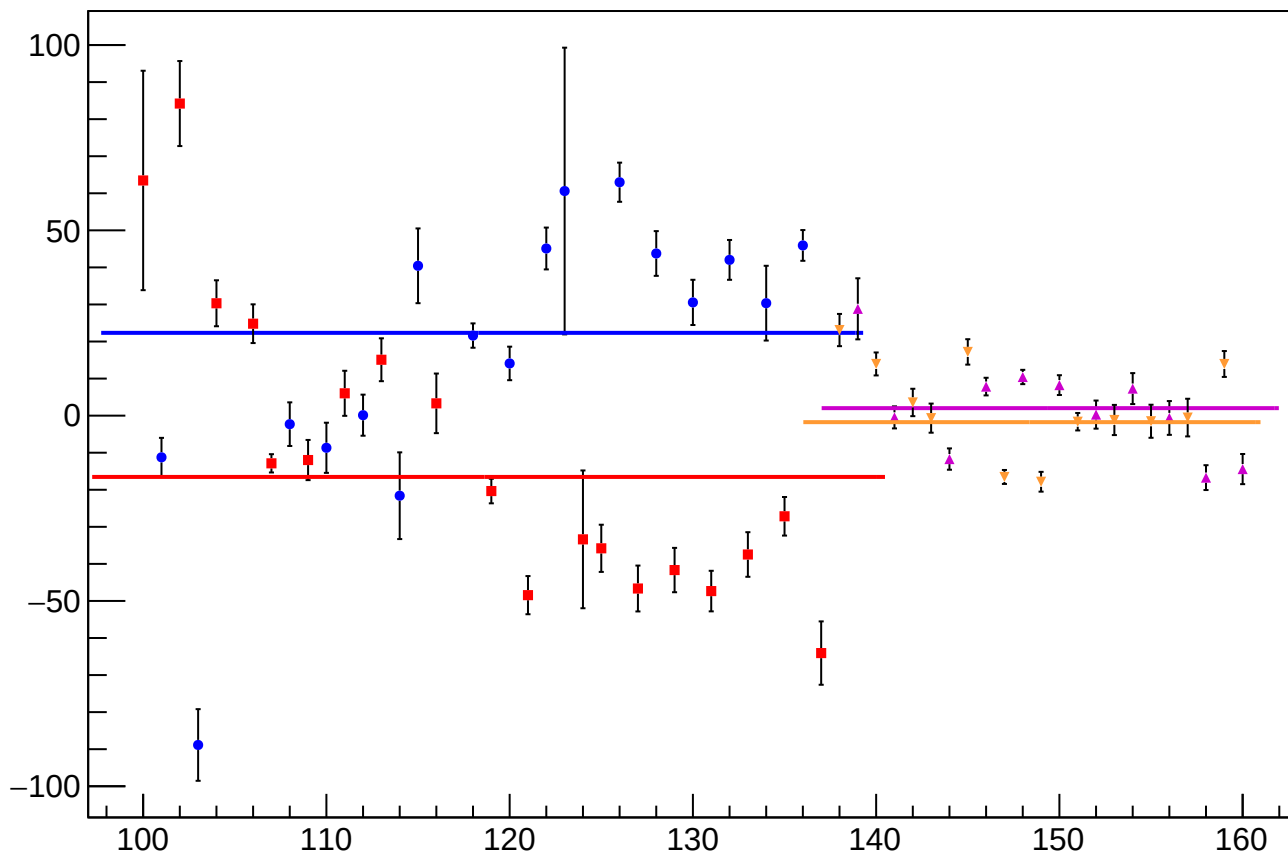
Left In: -217.810+/-1.399 χ^2/NDF : 174.3/10

212.164+/-1.379 χ^2/NDF : 438.9/11

0.335+/-0.982 χ^2/NDF : 48514.7/22

-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 χ^2/NDF : 385.8/16

Left Out: -1.754 ± 0.908 χ^2/NDF : 209.2/11

Right Out: -16.537 ± 1.227 χ^2/NDF : 426.6/18

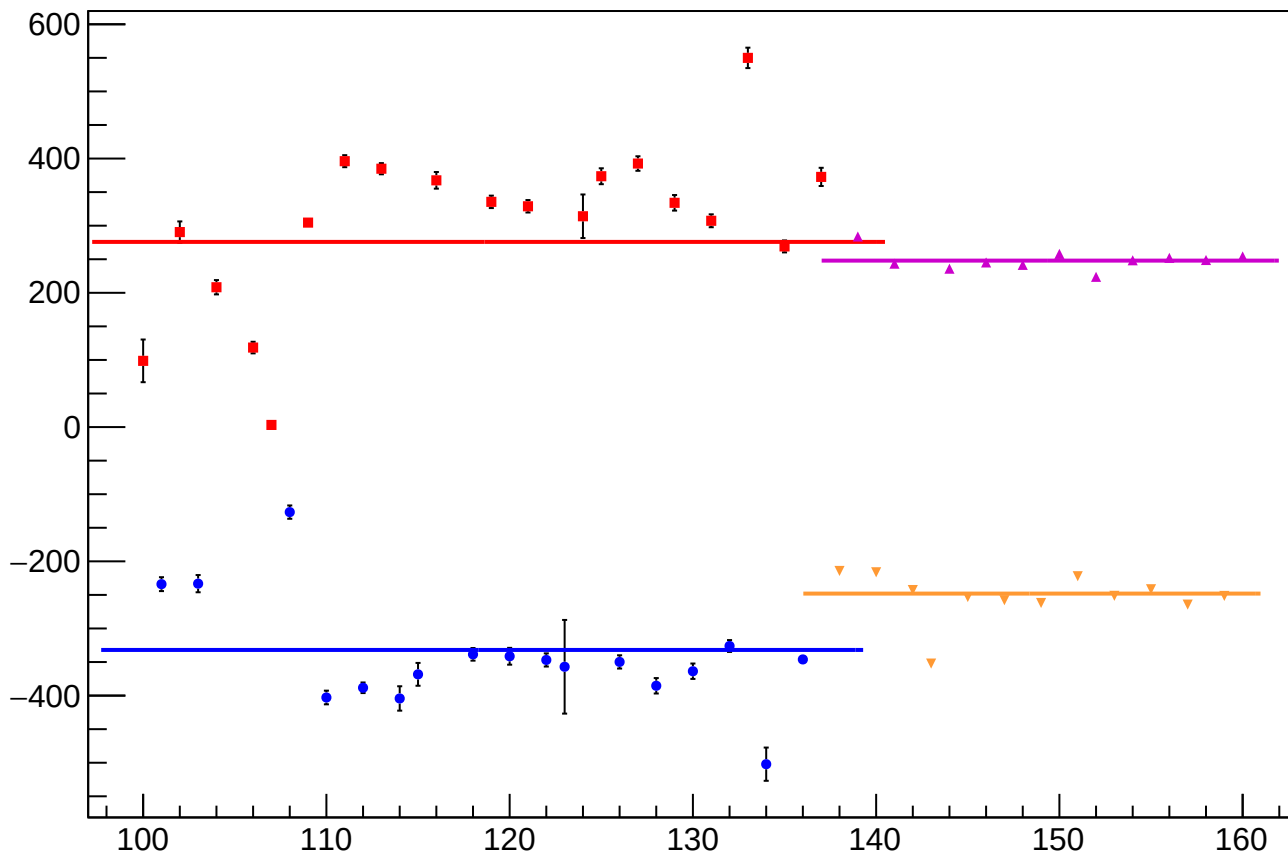
Left In: 2.023 ± 0.929 χ^2/NDF : 114.2/10

5.413 ± 0.761 χ^2/NDF : 804.6/28

0.201 ± 0.531 χ^2/NDF : 1582.1/58

-4.740 ± 0.741 χ^2/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: -248.041+/-1.364 χ^2 /NDF: 475.7/11

Right Out: 275.842+/-2.325 χ^2 /NDF: 3362.2/18

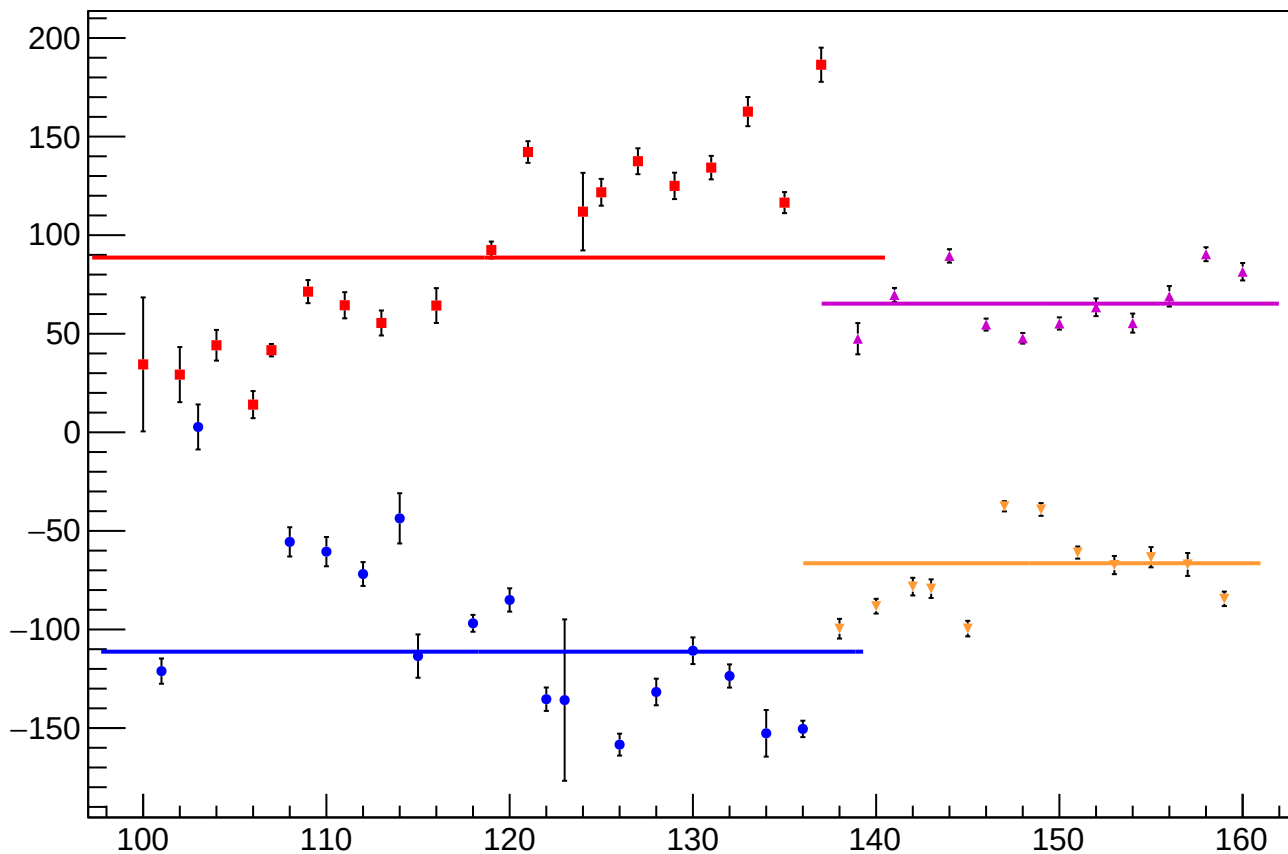
Left In: 247.964+/-1.366 χ^2 /NDF: 98.3/10

-266.377+/-1.206 χ^2 /NDF: 2088.0/28

0.488+/-0.843 χ^2 /NDF: 101364.0/58

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: -66.409+/-1.111 χ^2/NDF : 386.0/11

Right Out: 88.633+/-1.433 χ^2/NDF : 971.0/18

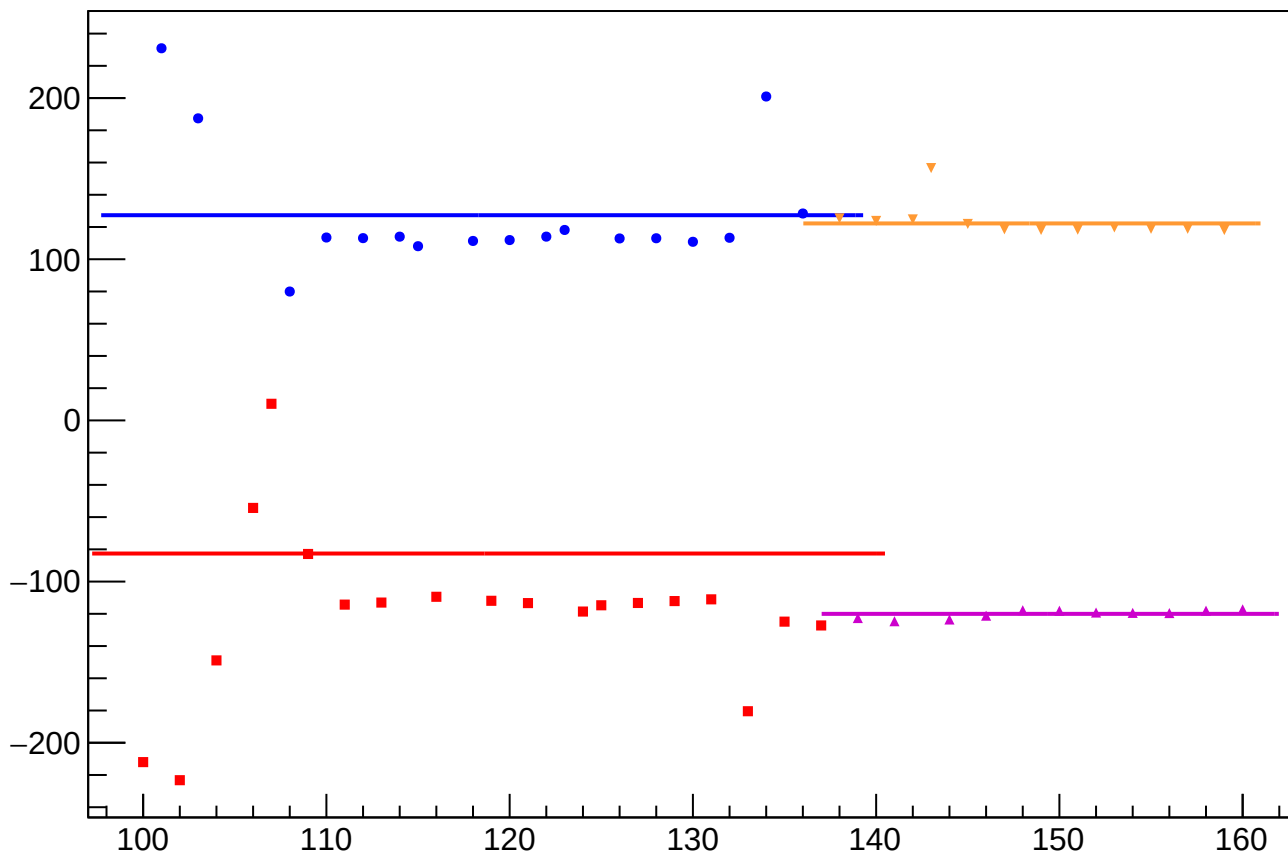
Left In: 65.272+/-1.125 χ^2/NDF : 190.6/10

-81.038+/-0.912 χ^2/NDF : 1426.8/28

-1.066+/-0.635 χ^2/NDF : 17669.9/58

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: 122.220+/-0.055 χ^2/NDF : 22876.9/11

Right Out: -82.595+/-0.075 χ^2/NDF : 765022.5/18

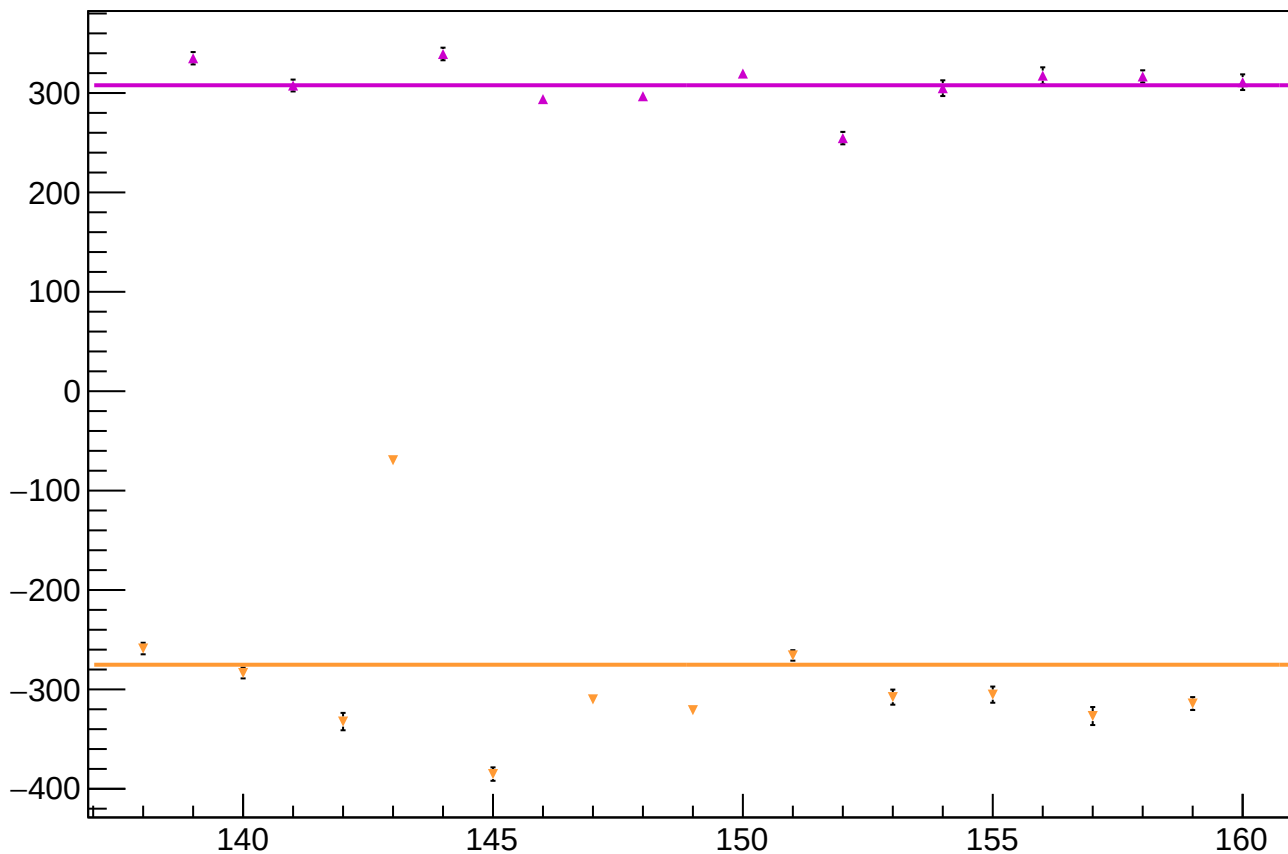
Left In: -120.029+/-0.054 χ^2/NDF : 1974.1/10

123.622+/-0.047 χ^2/NDF : 213014.3/28

1.000+/-0.032 χ^2/NDF : 14026478.1/58

-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 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -275.175 $\pm$ 1.751 χ^2/NDF : 2301.2/11

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

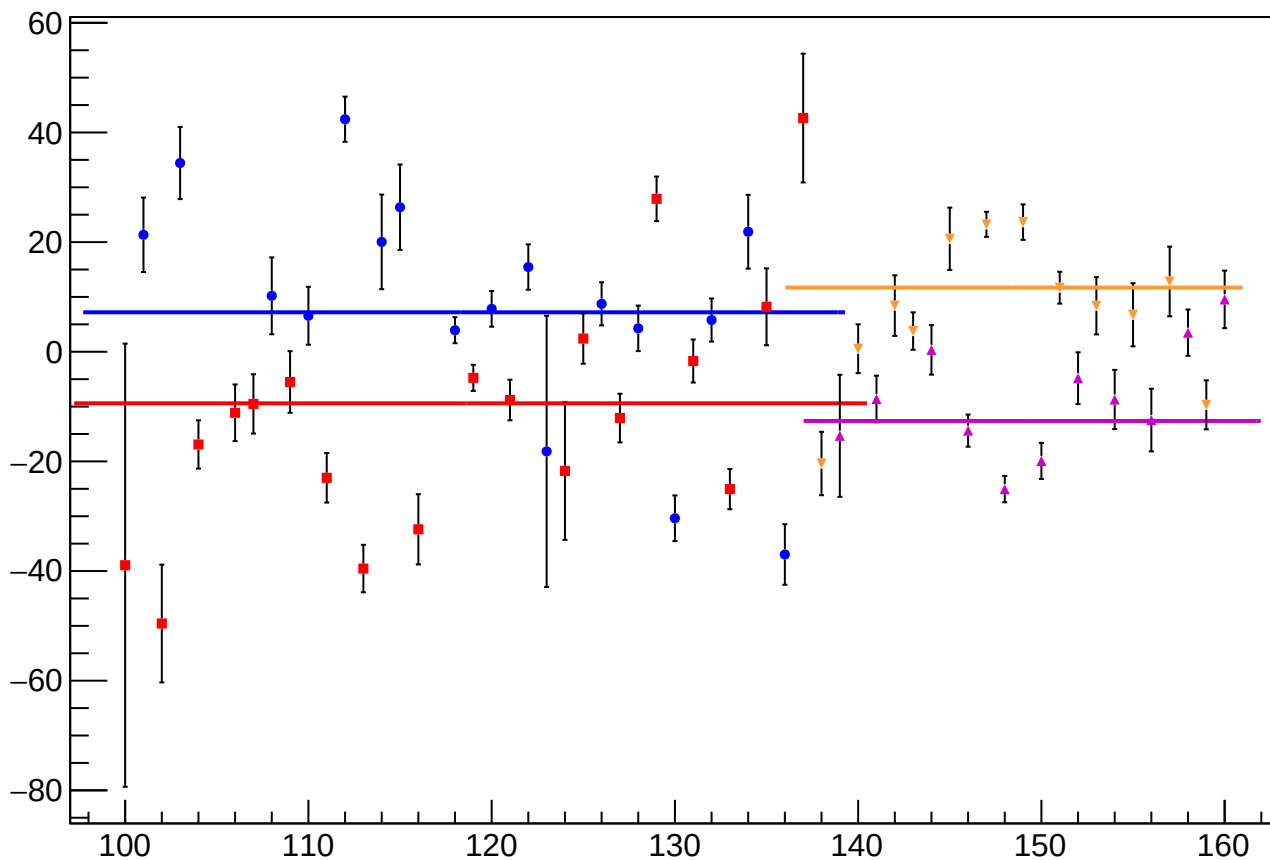
Left In: 307.806 $\pm$ 1.830 χ^2/NDF : 137.8/10

-275.175 $\pm$ 1.751 χ^2/NDF : 2301.2/11

3.546 $\pm$ 1.265 χ^2/NDF : 55414.0/22

307.806 $\pm$ 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: 11.710 ± 1.135 χ^2/NDF : 108.5/11

Right Out: -9.403 ± 1.071 χ^2/NDF : 232.2/18

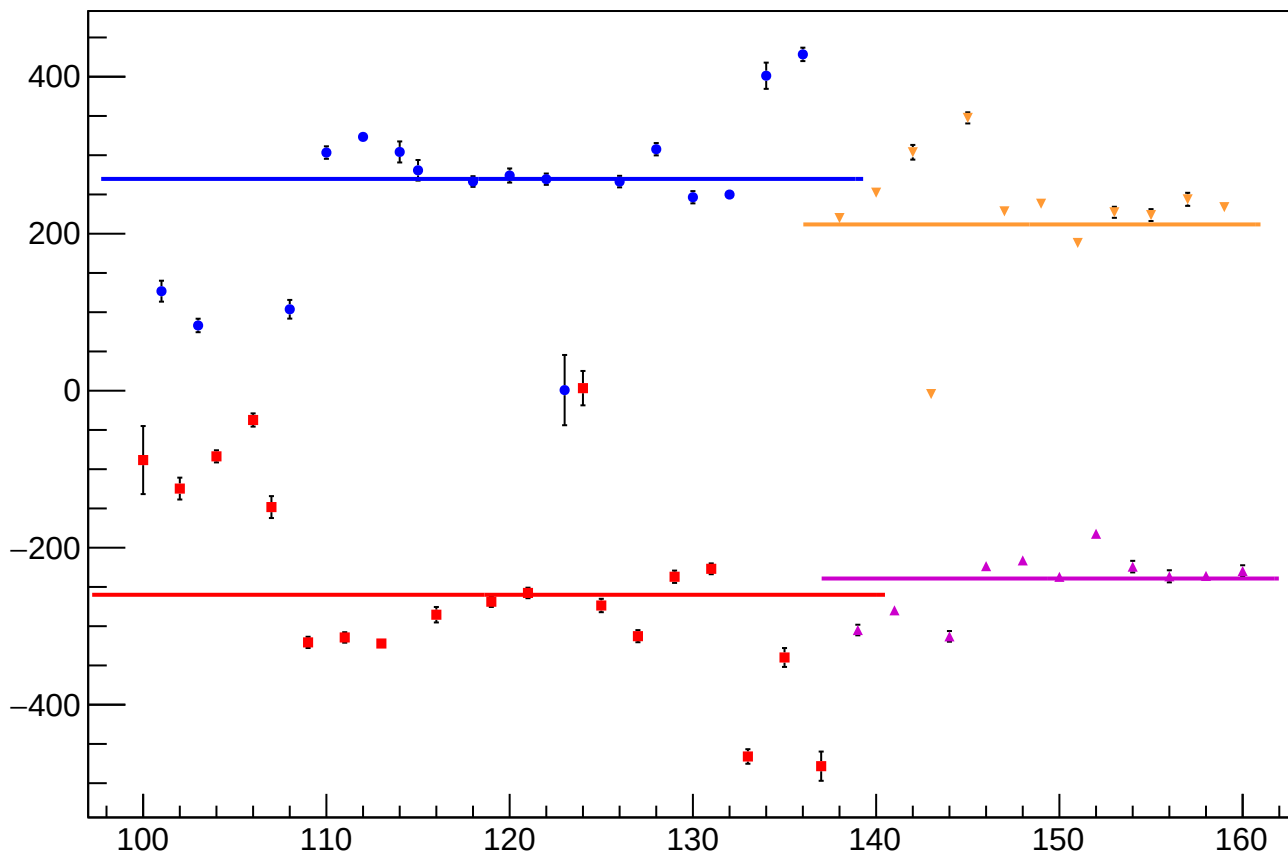
Left In: -12.628 ± 1.198 χ^2/NDF : 76.9/10

9.391 ± 0.791 χ^2/NDF : 377.5/28

-0.624 ± 0.562 χ^2/NDF : 1014.5/58

-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: 211.820 ± 1.726 χ^2/NDF : 2307.1/11

Right Out: -259.980 ± 1.977 χ^2/NDF : 2538.6/18

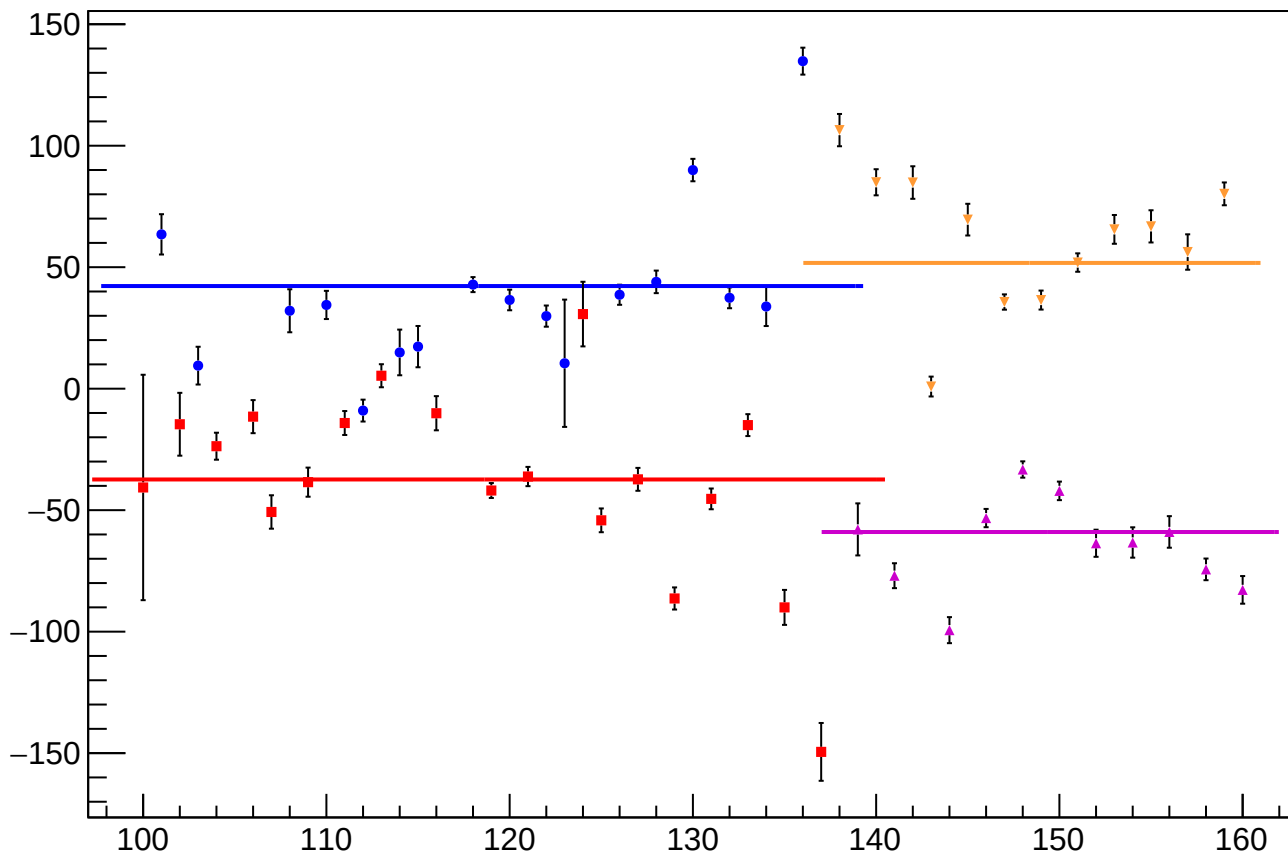
Left In: -239.271 ± 1.773 χ^2/NDF : 385.3/10

235.343 ± 1.331 χ^2/NDF : 4139.1/28

-8.525 ± 0.937 χ^2/NDF : 73769.7/58

-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 χ^2/NDF : 574.4/16

Left Out: 51.760 ± 1.394 χ^2/NDF : 381.5/11

Right Out: -37.367 ± 1.235 χ^2/NDF : 472.3/18

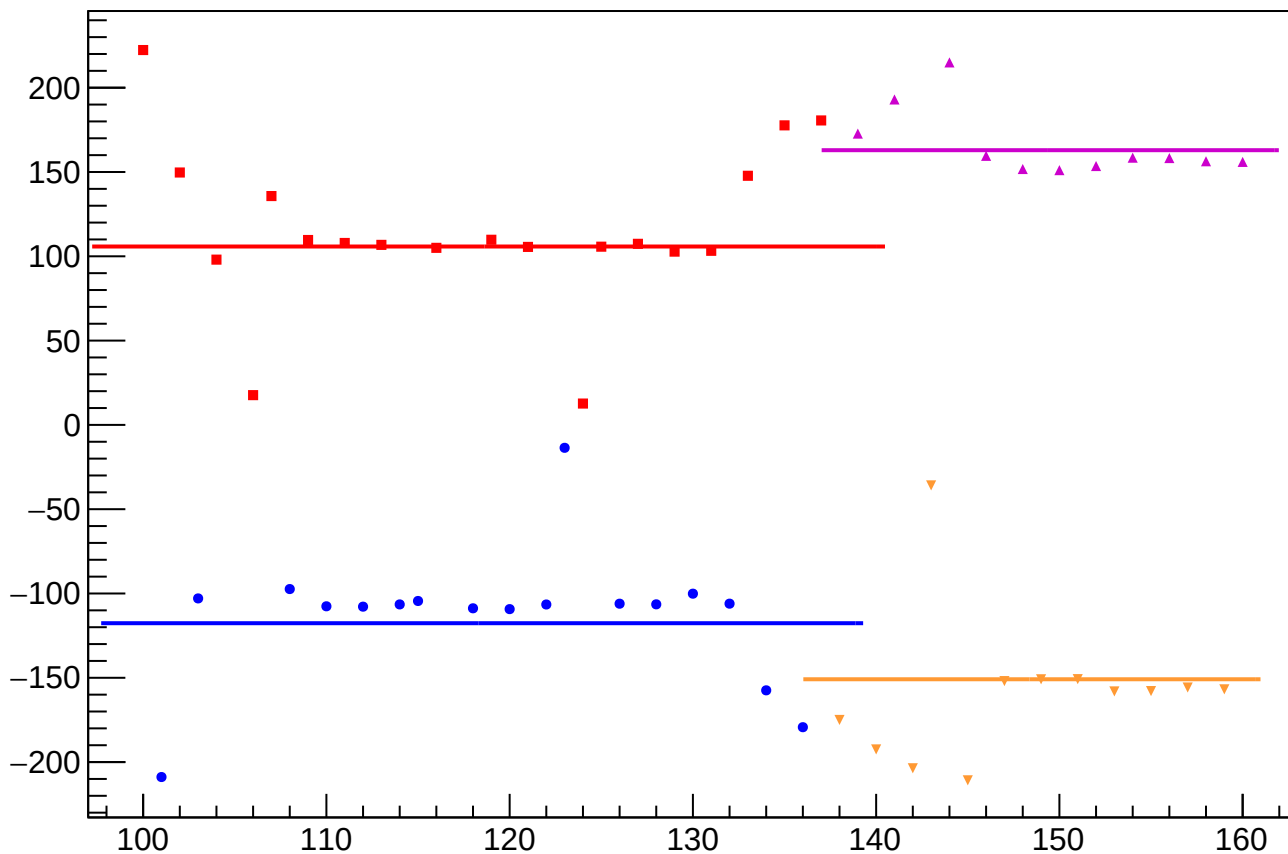
Left In: -58.990 ± 1.455 χ^2/NDF : 180.5/10

46.571 ± 0.940 χ^2/NDF : 981.3/28

0.125 ± 0.665 χ^2/NDF : 6646.0/58

-46.416 ± 0.941 χ^2/NDF : 781.2/29

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -150.875+/-0.070 χ^2/NDF : 403223.4/11

Right Out: 105.807+/-0.073 χ^2/NDF : 323108.1/18

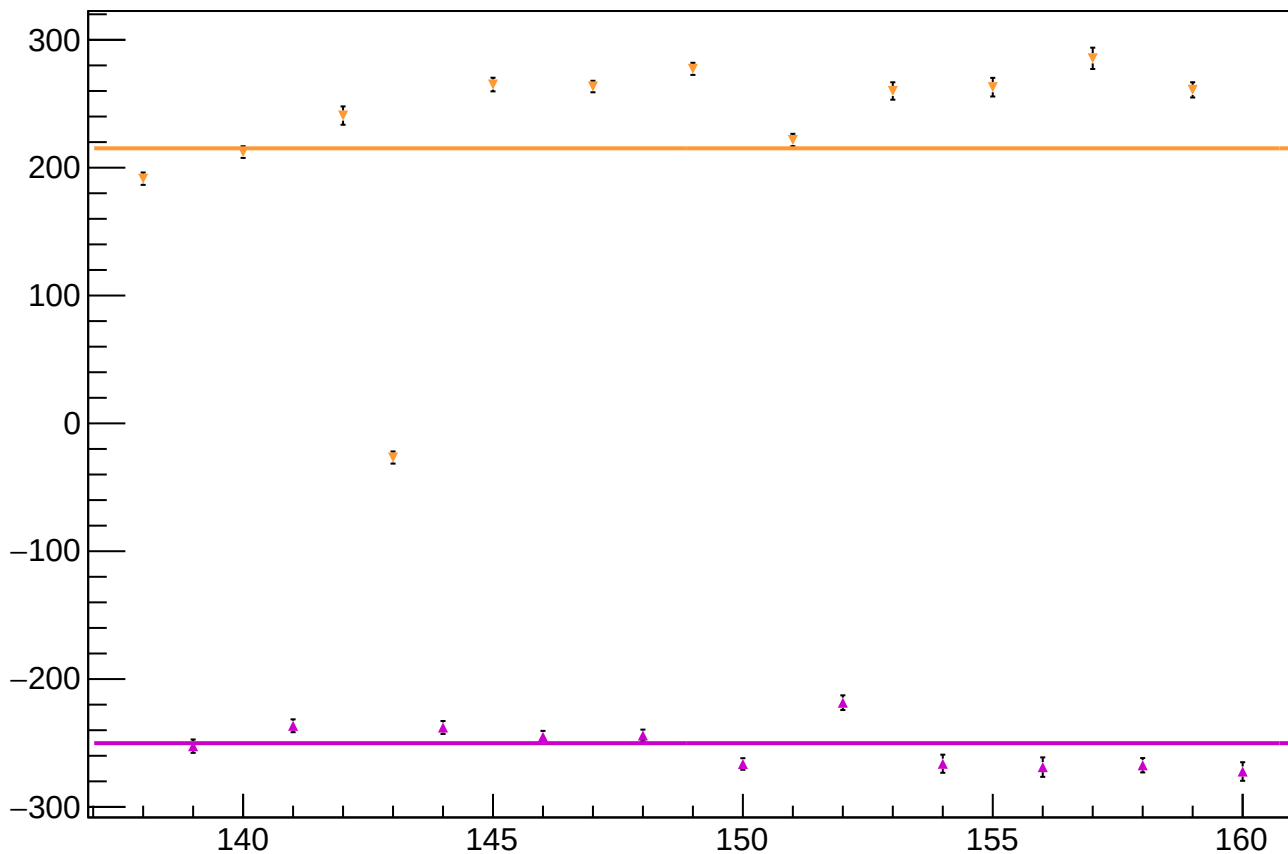
Left In: 162.936+/-0.070 χ^2/NDF : 57087.9/10

-136.195+/-0.052 χ^2/NDF : 645225.5/28

3.698+/-0.036 χ^2/NDF : 15295836.1/58

135.332+/-0.051 χ^2/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: 215.155+/-1.564 χ^2/NDF : 3218.5/11

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

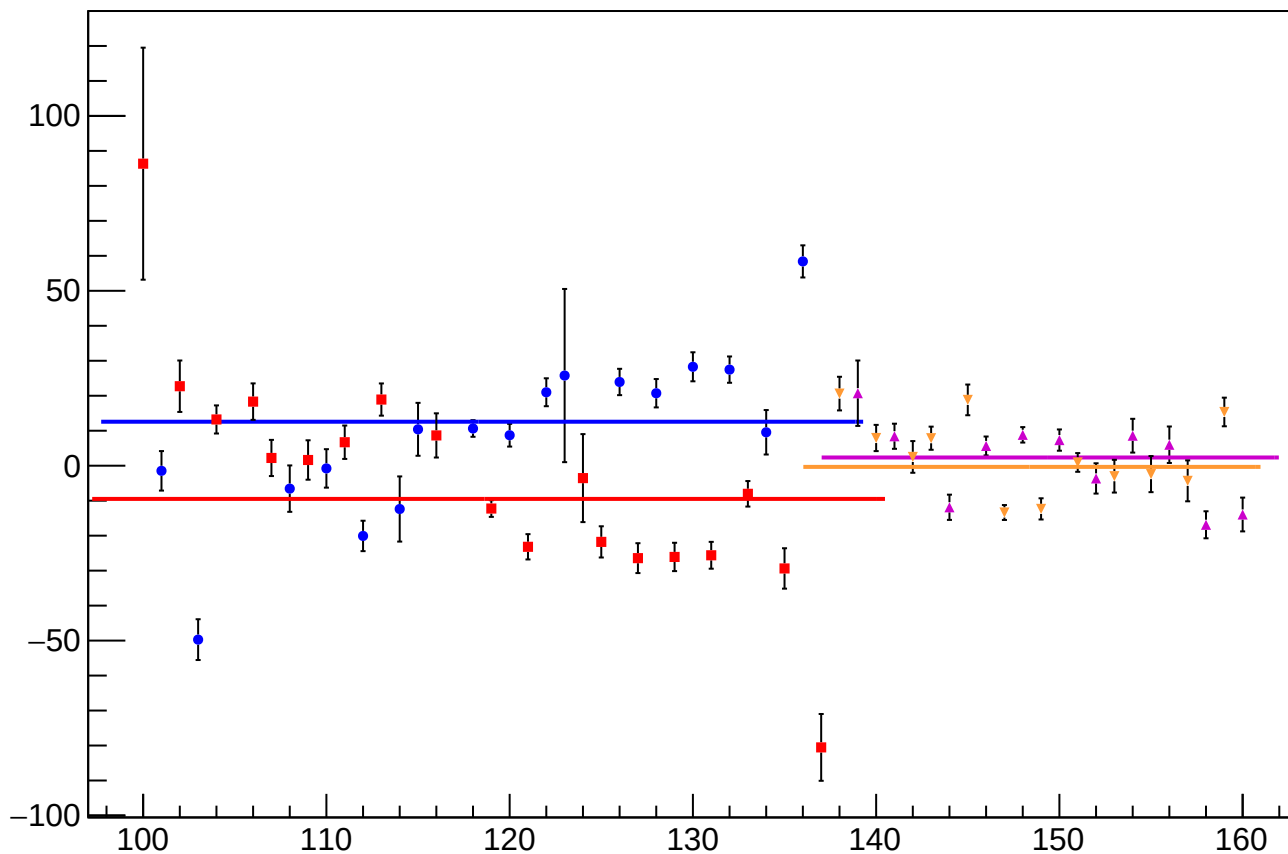
Left In: -250.134+/-1.628 χ^2/NDF : 89.6/10

215.155+/-1.564 χ^2/NDF : 3218.5/11

-8.112+/-1.128 χ^2/NDF : 45770.3/22

-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 χ^2/NDF : 348.0/16

Left Out: -0.339+/-1.028 χ^2/NDF : 118.4/11

Right Out: -9.493+/-1.047 χ^2/NDF : 295.8/18

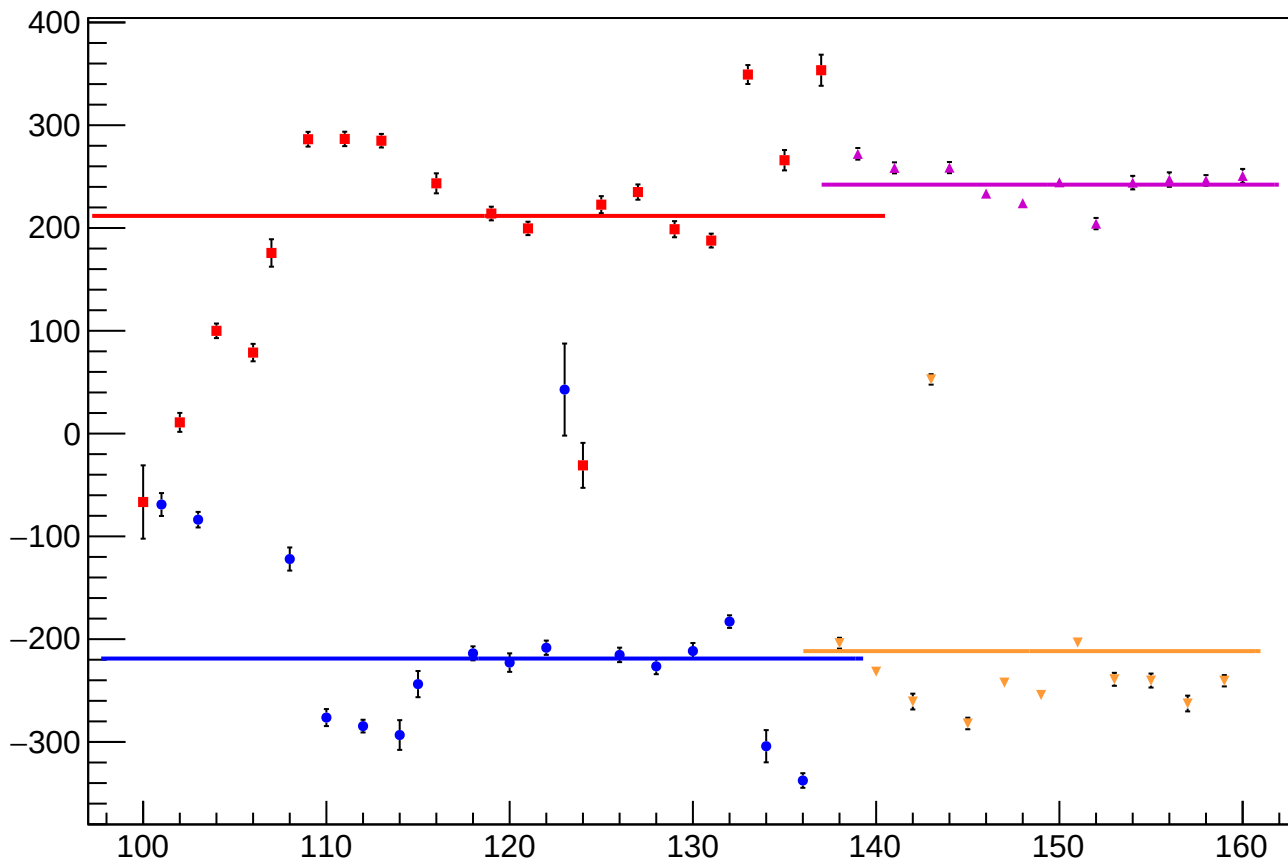
Left In: 2.347+/-1.079 χ^2/NDF : 75.3/10

5.832+/-0.742 χ^2/NDF : 541.9/28

1.100+/-0.528 χ^2/NDF : 1057.3/58

-3.749+/-0.752 χ^2/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: -211.618 ± 1.549 χ^2/NDF : 3186.0/11

Right Out: 211.780 ± 1.924 χ^2/NDF : 1885.2/18

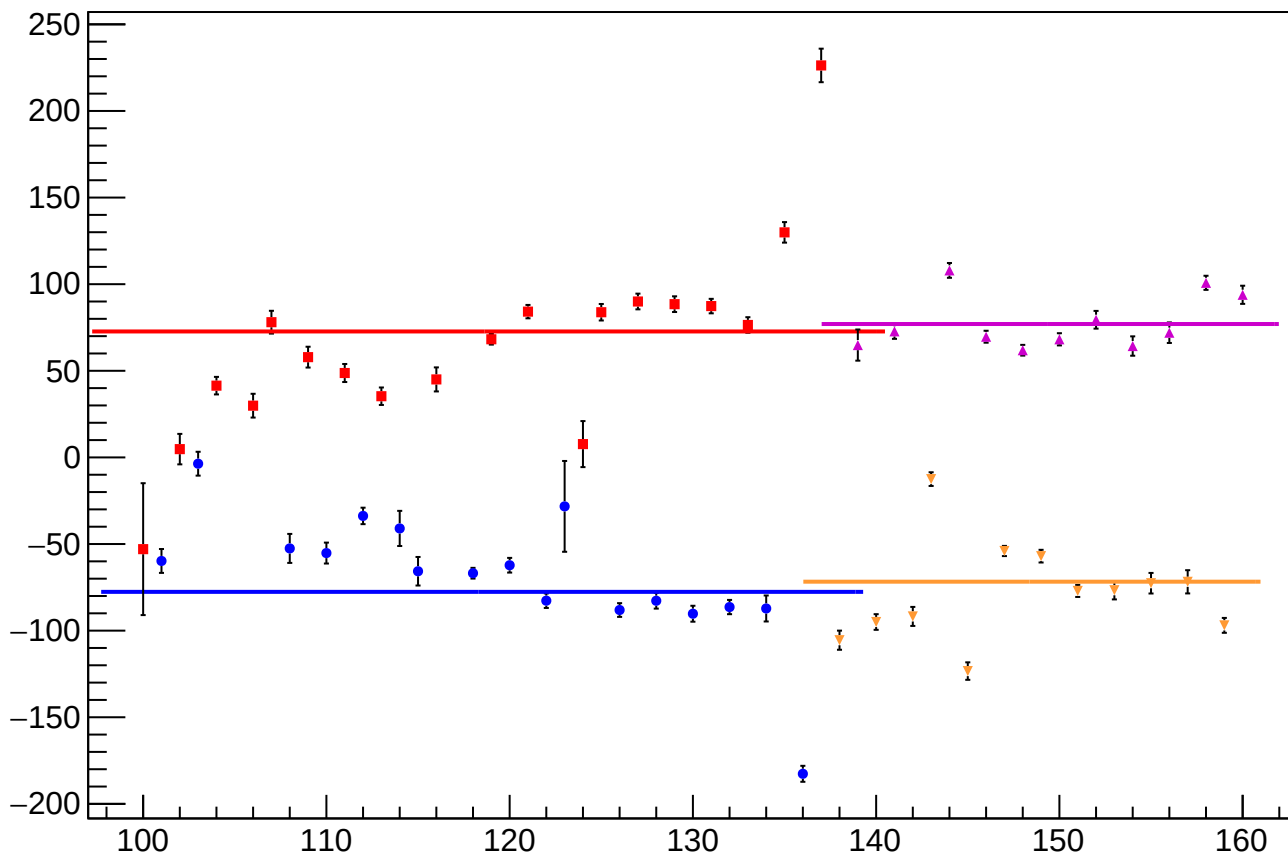
Left In: 242.175 ± 1.586 χ^2/NDF : 118.8/10

-214.294 ± 1.230 χ^2/NDF : 4340.7/28

8.867 ± 0.868 χ^2/NDF : 72027.9/58

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: -71.738 ± 1.259 χ^2/NDF : 496.3/11

Right Out: 72.710 ± 1.206 χ^2/NDF : 671.4/18

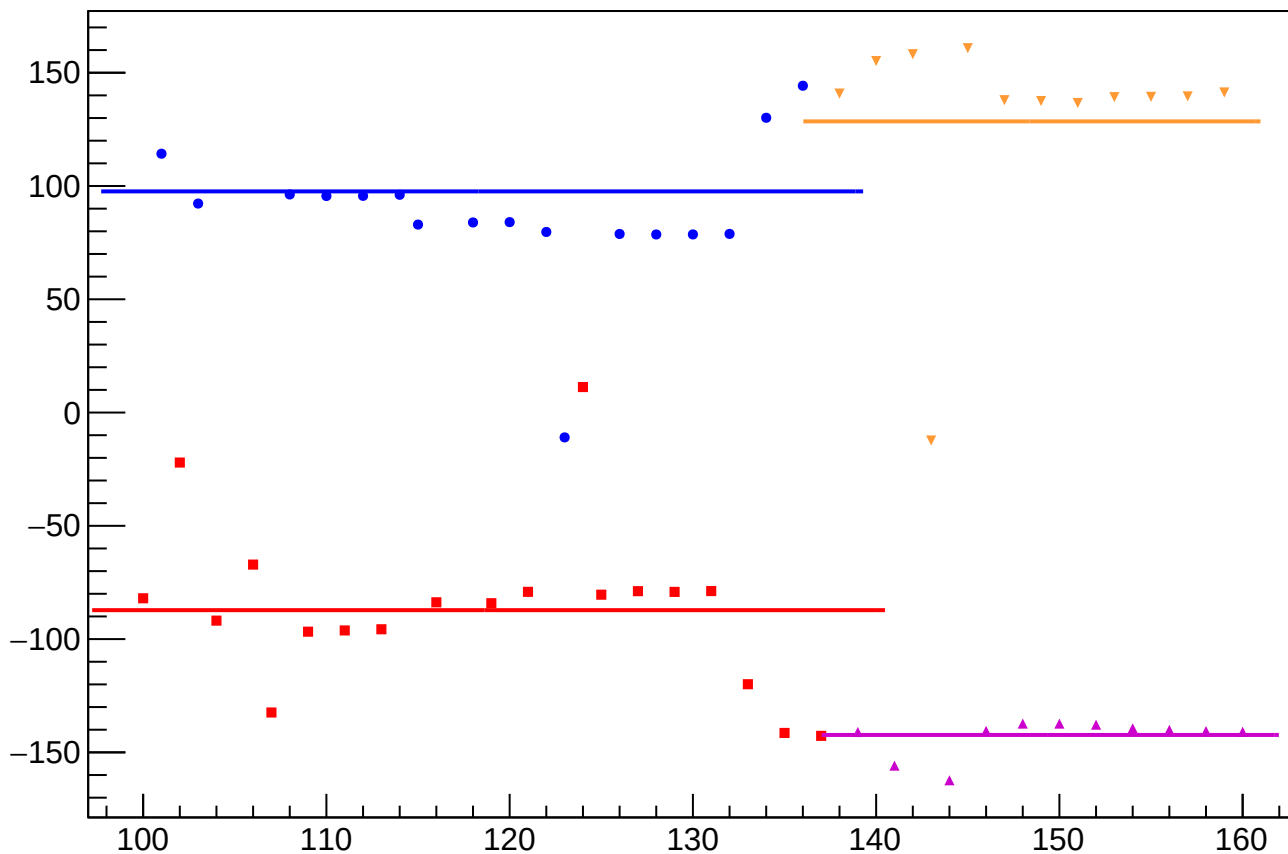
Left In: 77.004 ± 1.308 χ^2/NDF : 140.5/10

-74.728 ± 0.882 χ^2/NDF : 1323.3/28

-0.394 ± 0.625 χ^2/NDF : 16411.0/58

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: 128.524+/-0.063 χ^2/NDF : 547016.2/11

Right Out: -87.226+/-0.068 χ^2/NDF : 220850.5/18

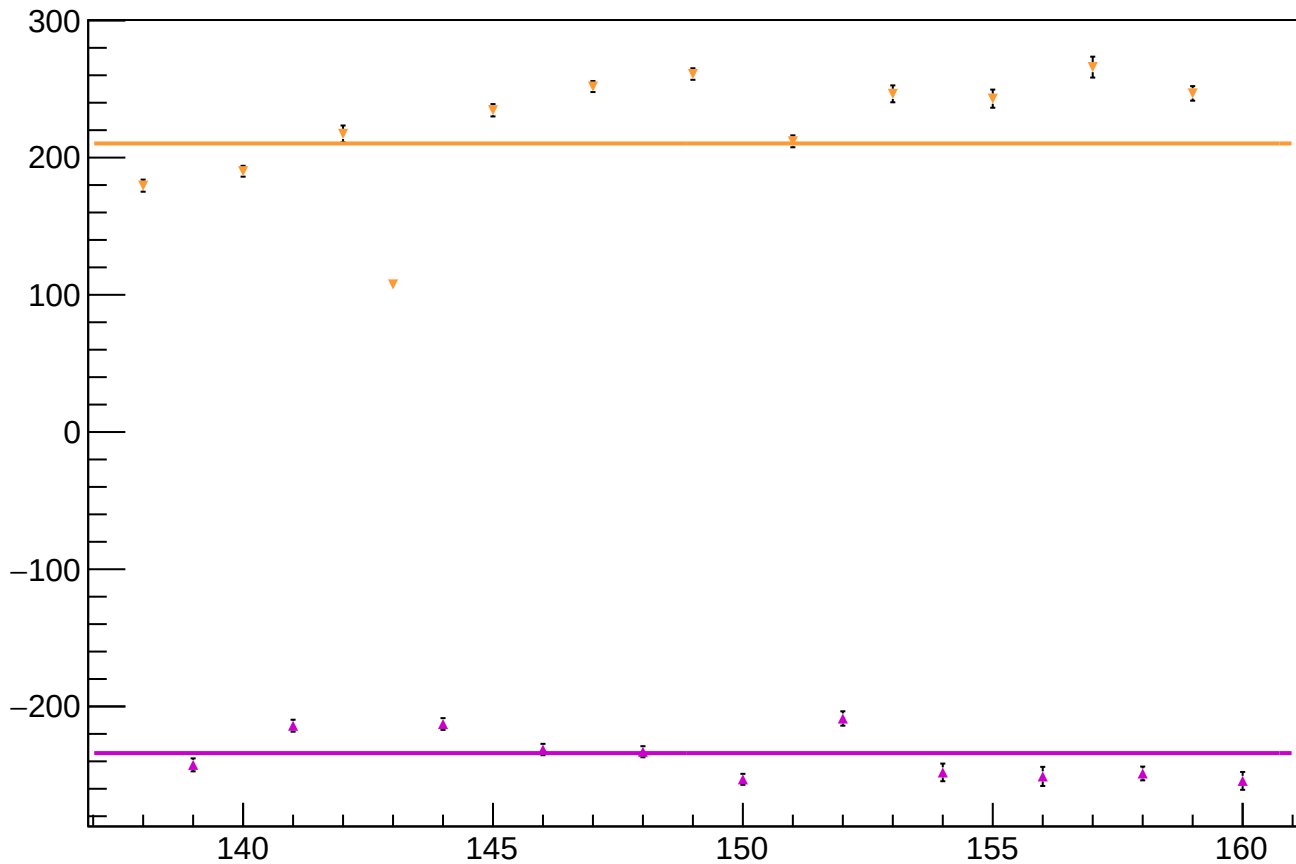
Left In: -142.311+/-0.063 χ^2/NDF : 13512.7/10

115.585+/-0.048 χ^2/NDF : 743241.8/28

-4.207+/-0.033 χ^2/NDF : 13577018.5/58

-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: 210.319+/-1.357 χ^2/NDF :1338.0/11

210.319+/-1.357 χ^2/NDF : 1338.0/11

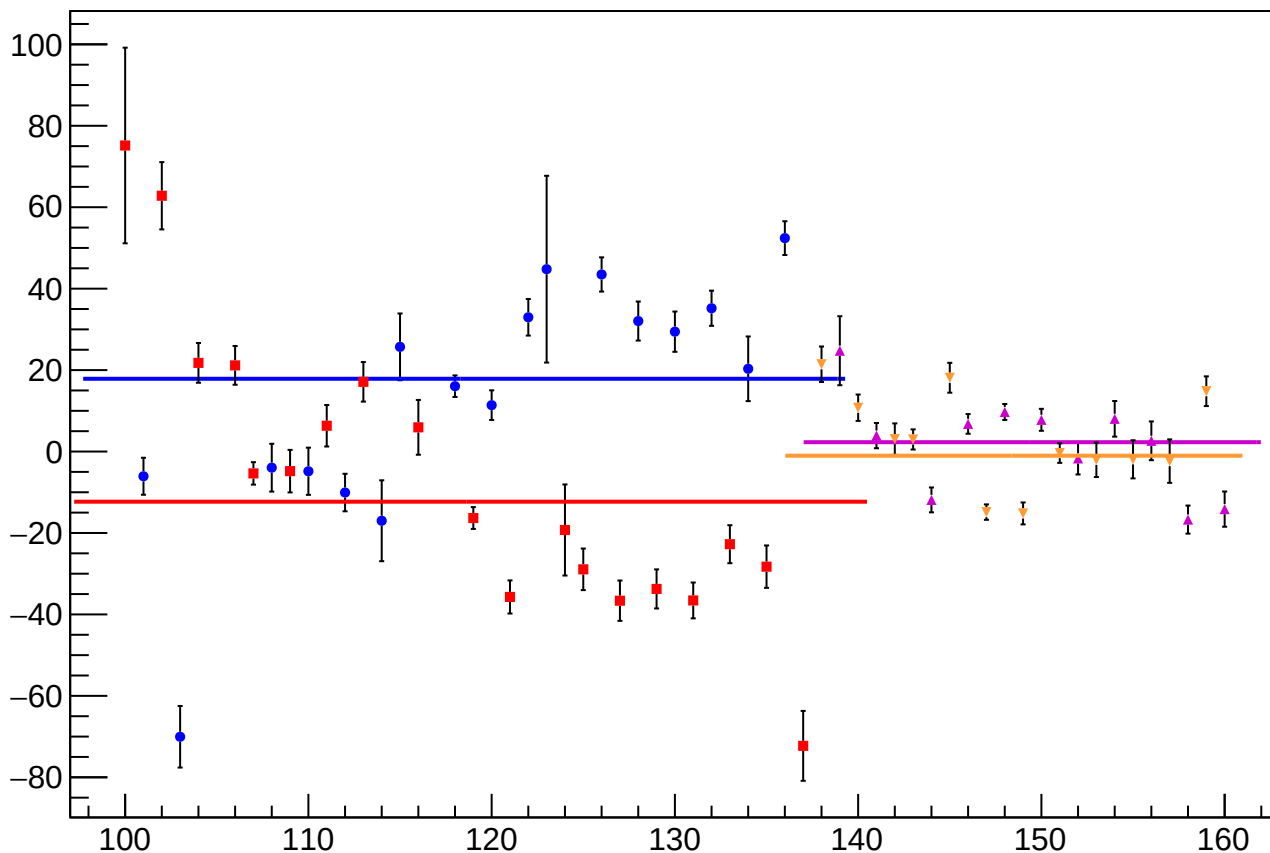
2.125+/-0.989 χ^2/NDF : 51701.6/22

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

-233.983+/-1.445 χ^2/NDF : 124.6/10

Left In: -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: -1.021+/-0.893 χ^2/NDF : 171.1/11

Right Out: -12.317+/-1.083 χ^2/NDF : 444.0/18

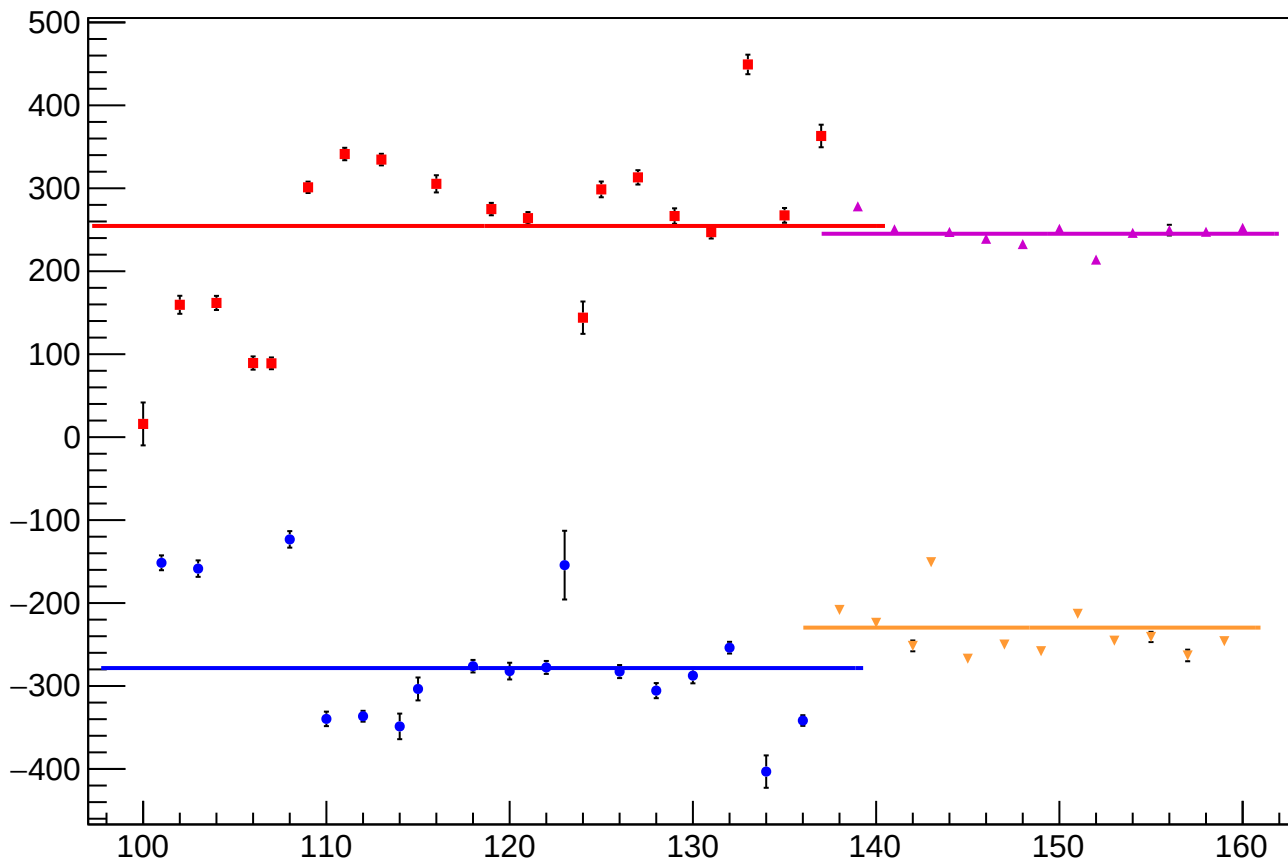
Left In: 2.293+/-0.956 χ^2/NDF : 98.5/10

5.962+/-0.709 χ^2/NDF : 732.0/28

0.986+/-0.504 χ^2/NDF : 1476.5/58

-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 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -229.626 ± 1.350 χ^2/NDF : 663.0/11

Right Out: 254.603 ± 2.020 χ^2/NDF : 2037.5/18

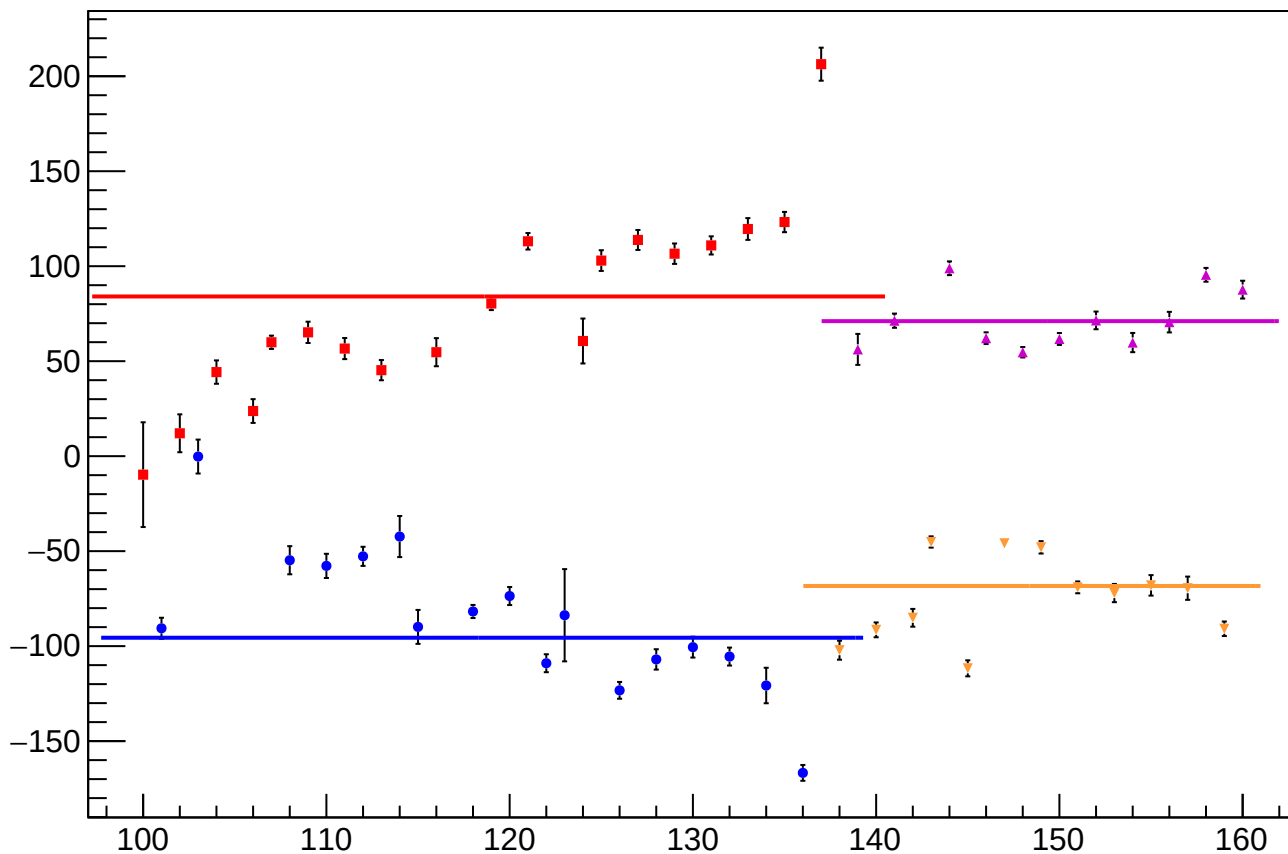
Left In: 245.192 ± 1.410 χ^2/NDF : 99.5/10

-243.092 ± 1.148 χ^2/NDF : 1934.0/28

0.961 ± 0.815 χ^2/NDF : 95036.8/58

248.274 ± 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: -68.340+/-1.093 χ^2/NDF : 407.7/11

Right Out: 84.062+/-1.257 χ^2/NDF : 783.2/18

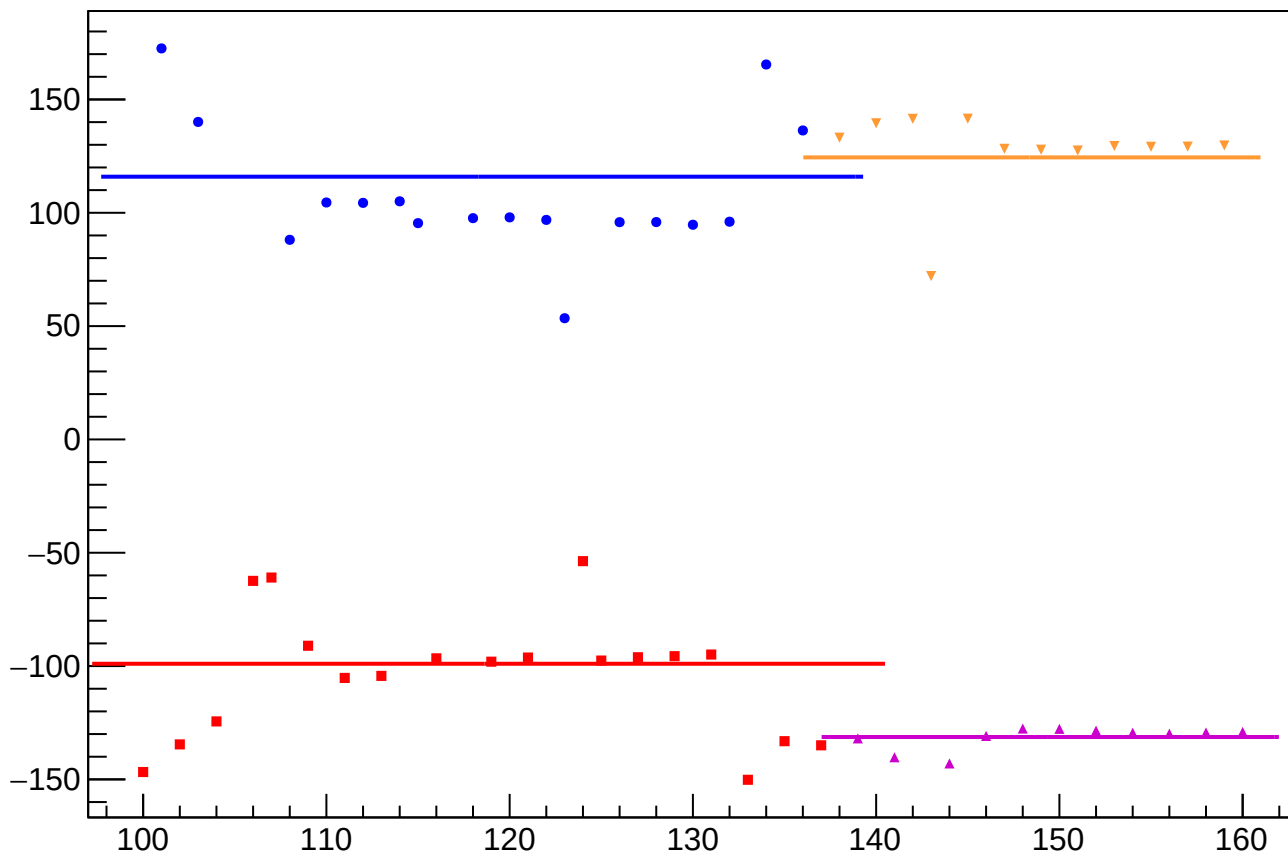
Left In: 71.078+/-1.160 χ^2/NDF : 178.4/10

-79.219+/-0.847 χ^2/NDF : 1326.9/28

-1.547+/-0.601 χ^2/NDF : 19257.6/58

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 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 124.440 $\pm$ 0.055 χ^2 /NDF: 141235.1/11

Right Out: -98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

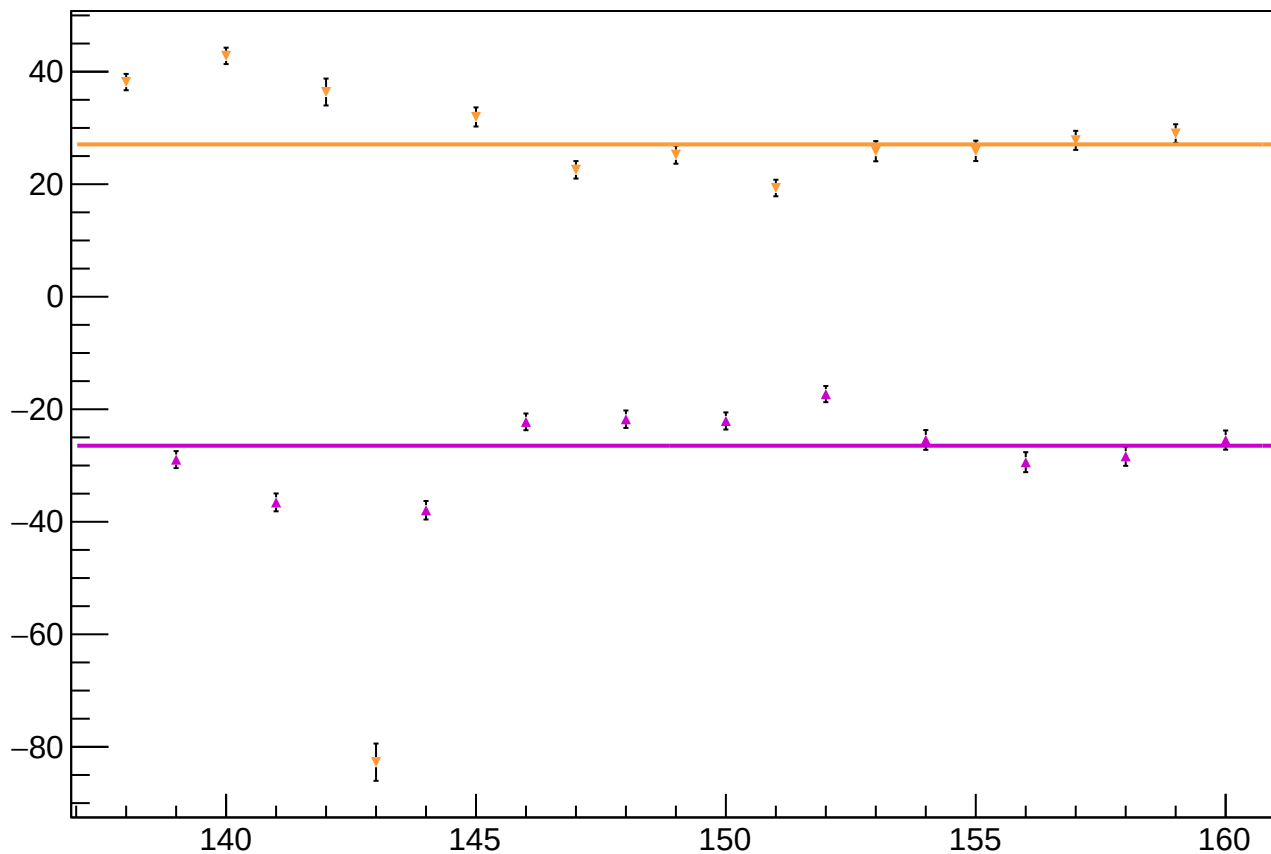
Left In: -131.299 $\pm$ 0.056 χ^2 /NDF: 7321.8/10

121.662 $\pm$ 0.045 χ^2 /NDF: 254964.5/28

-2.146 $\pm$ 0.031 χ^2 /NDF: 15374035.9/58

-118.344 $\pm$ 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: 27.076 ± 0.491 χ^2/NDF : 1337.9/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

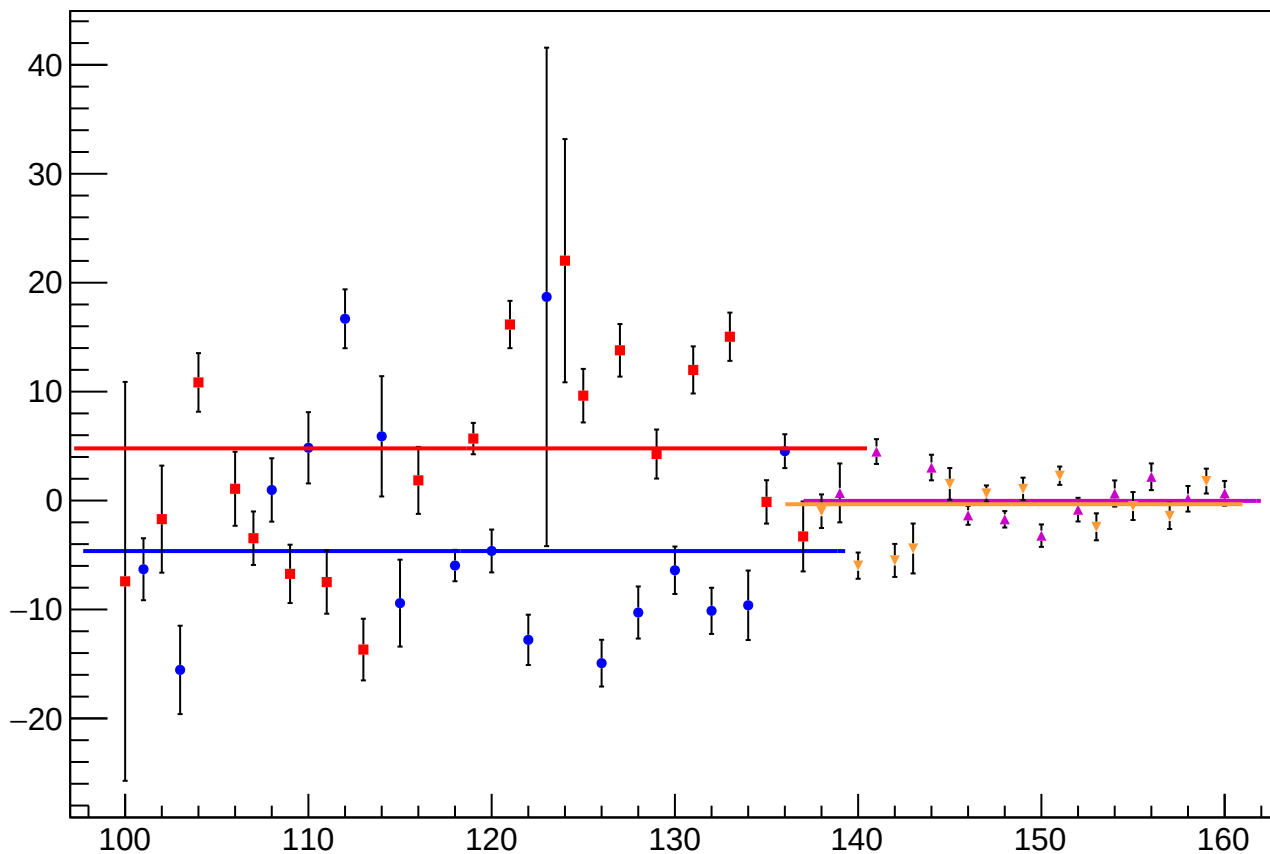
Left In: -26.477 ± 0.481 χ^2/NDF : 162.8/10

27.076 ± 0.491 χ^2/NDF : 1337.9/11

-0.234 ± 0.343 χ^2/NDF : 7576.7/22

-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 $\chi^2/\text{NDF}: 174.4/16$

Left Out: -0.339 ± 0.331 $\chi^2/\text{NDF}: 58.9/11$

Right Out: 4.791 ± 0.585 $\chi^2/\text{NDF}: 192.5/18$

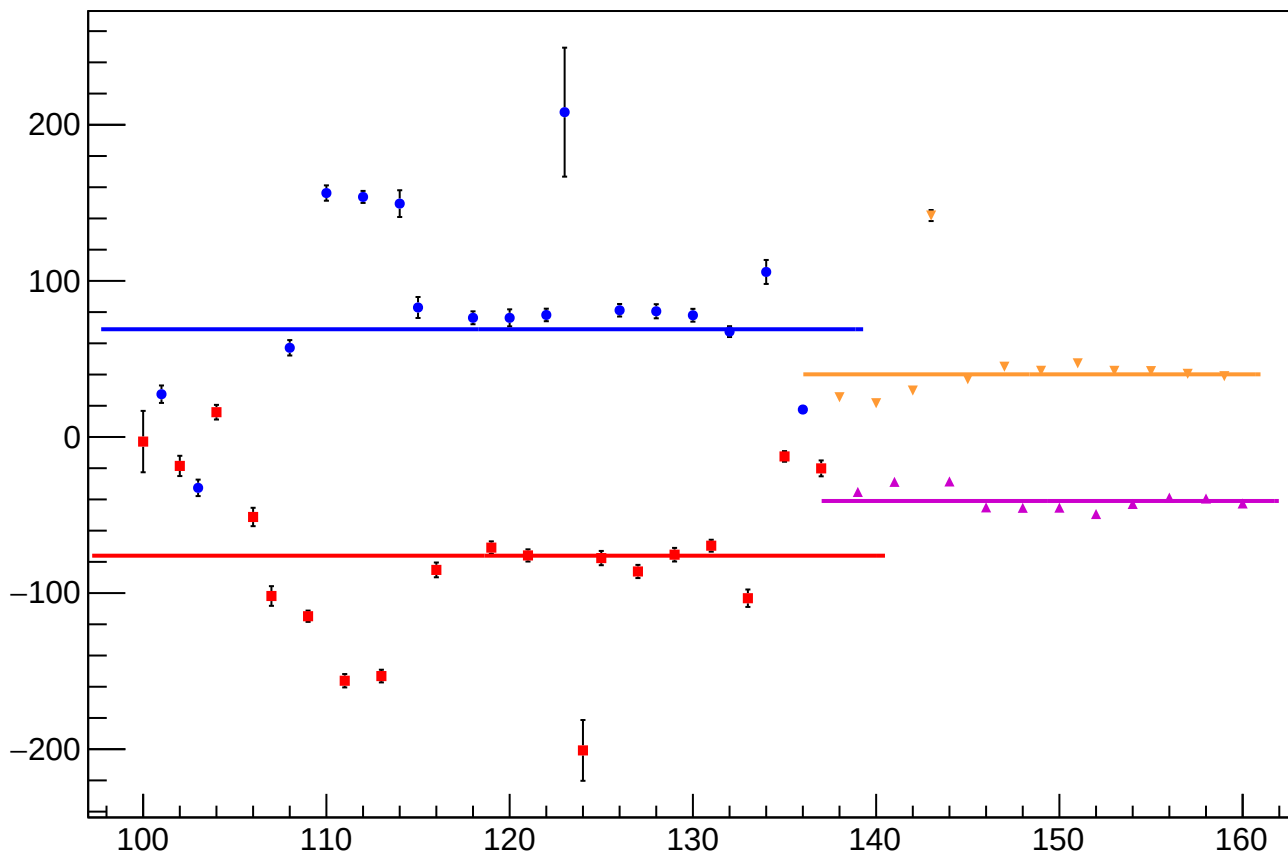
Left In: -0.030 ± 0.327 $\chi^2/\text{NDF}: 44.2/10$

-1.374 ± 0.288 $\chi^2/\text{NDF}: 274.0/28$

-0.114 ± 0.203 $\chi^2/\text{NDF}: 600.3/58$

1.117 ± 0.285 $\chi^2/\text{NDF}: 288.6/29$

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: 40.140+/-0.480 χ^2/NDF : 1119.8/11

Right Out: -76.041+/-1.070 χ^2/NDF : 1881.9/18

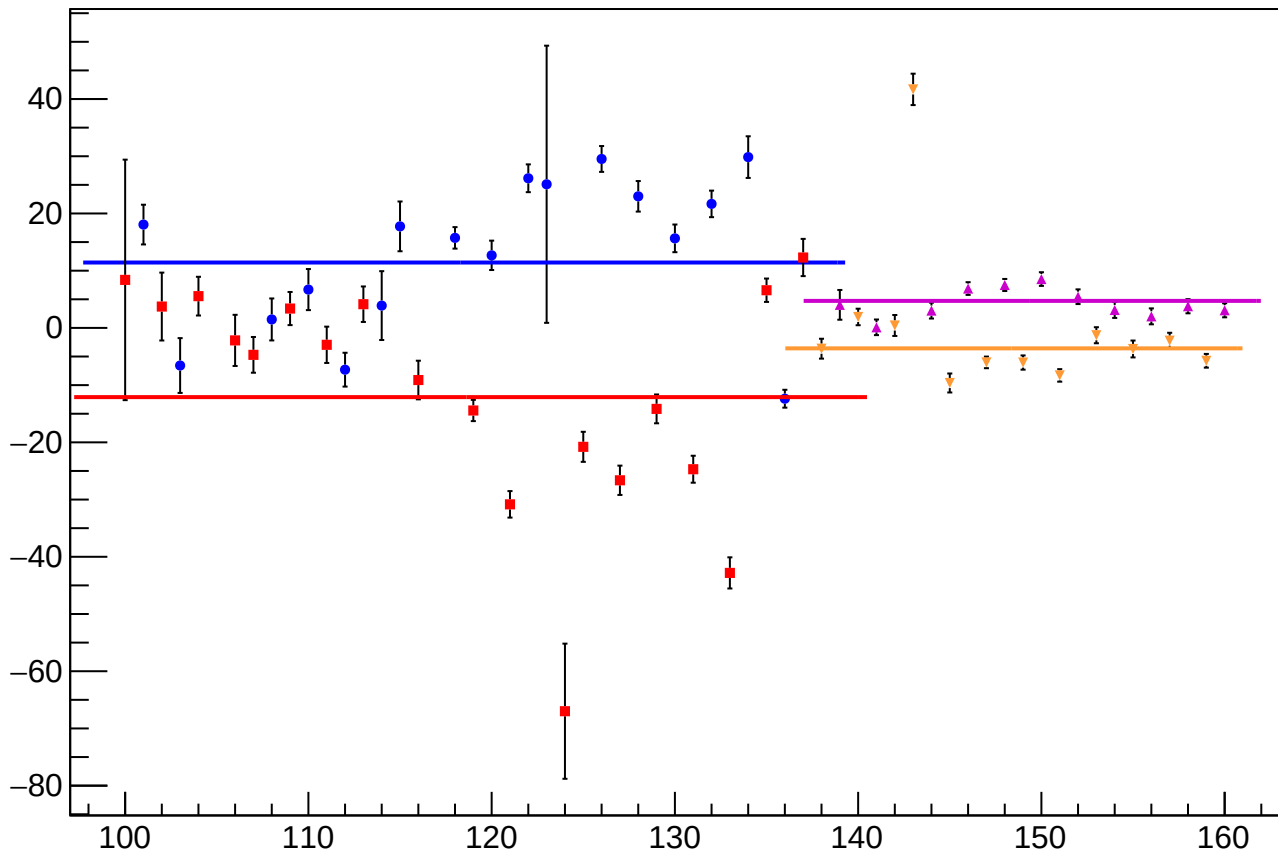
Left In: -40.991+/-0.467 χ^2/NDF : 184.2/10

44.878+/-0.439 χ^2/NDF : 3561.8/28

-2.011+/-0.306 χ^2/NDF : 28802.1/58

-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: -3.575+/-0.400 χ^2/NDF : 340.2/11

Right Out: -12.095+/-0.664 χ^2/NDF : 539.1/18

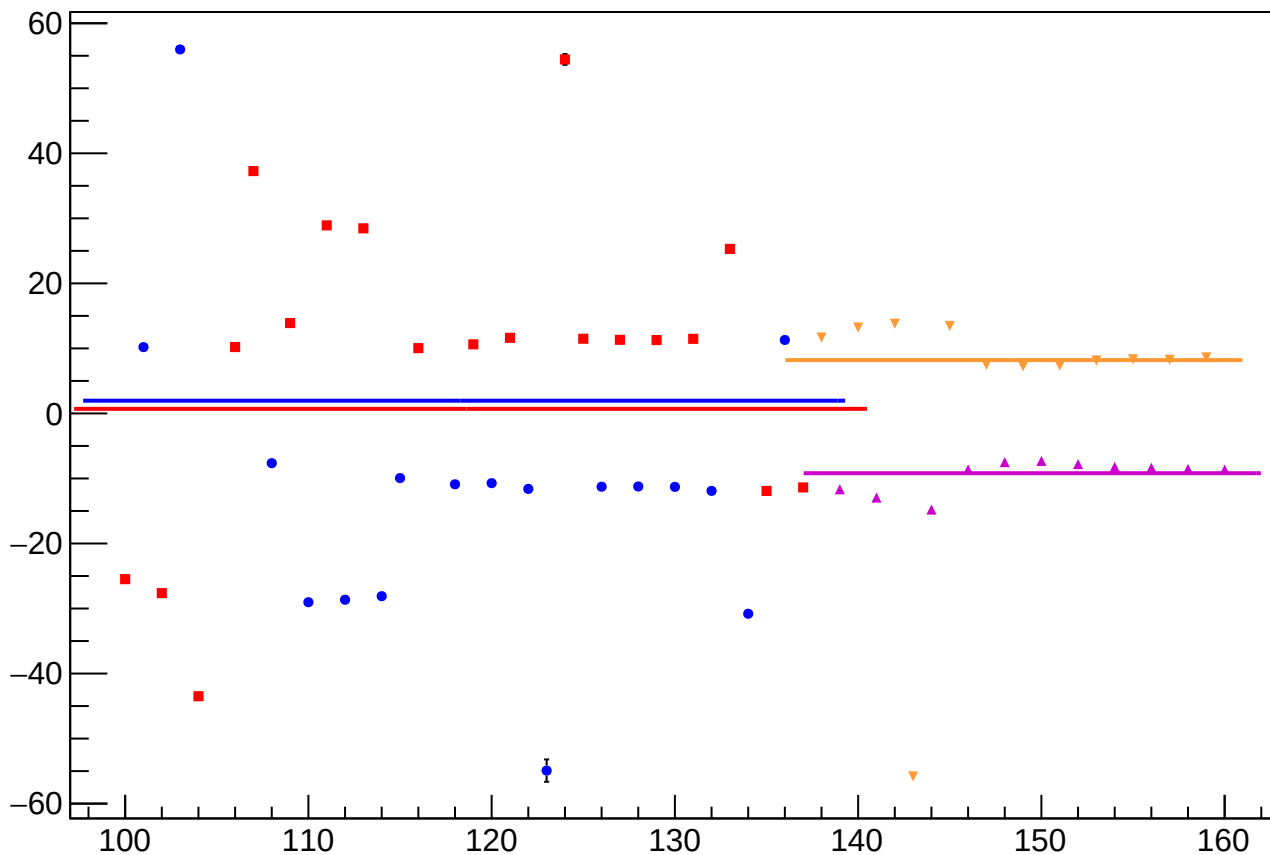
Left In: 4.723+/-0.390 χ^2/NDF : 41.7/10

0.409+/-0.343 χ^2/NDF : 1190.2/28

0.406+/-0.240 χ^2/NDF : 2247.9/58

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 ± 0.037 χ^2/NDF : 358457.0/16

Left Out: 8.202 ± 0.019 χ^2/NDF : 222503.9/11

Right Out: 0.704 ± 0.037 χ^2/NDF : 361168.6/18

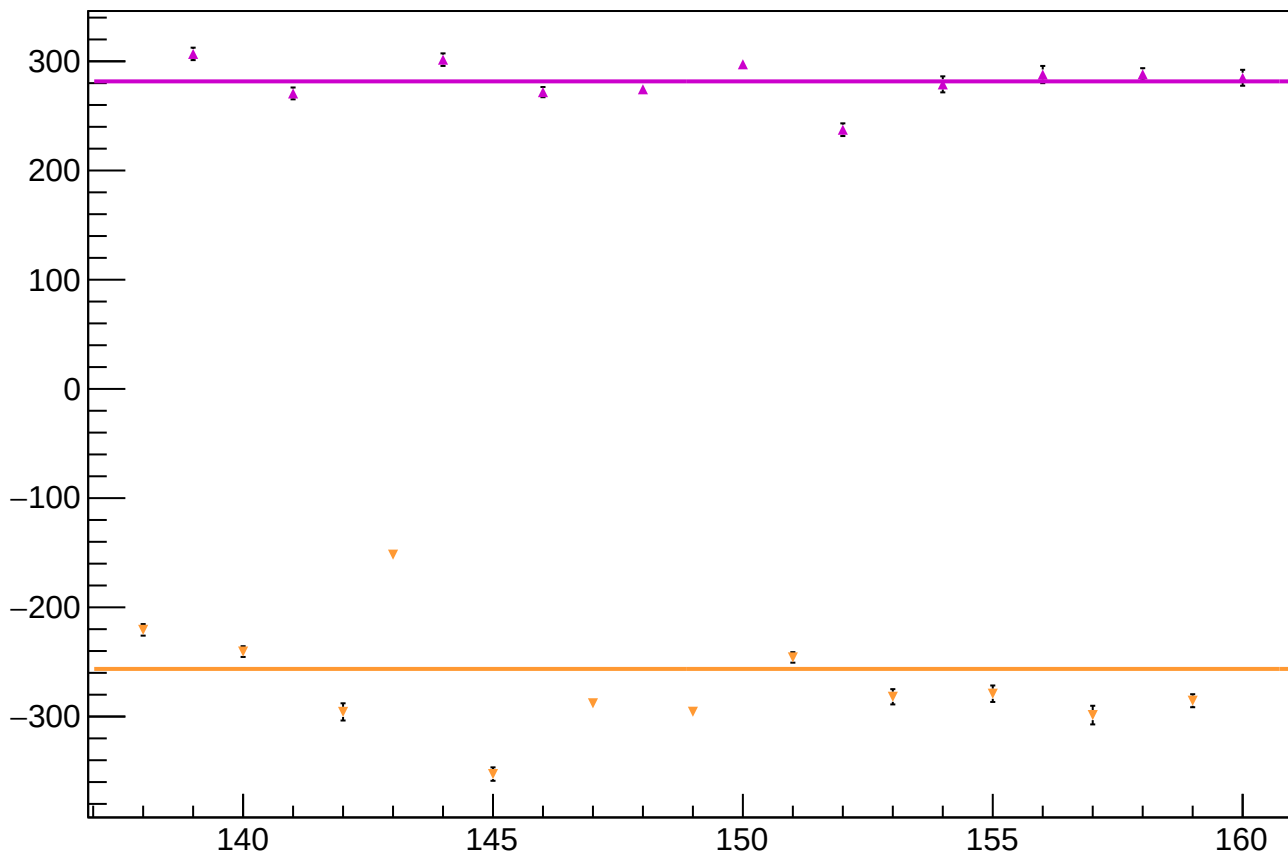
Left In: -9.193 ± 0.018 χ^2/NDF : 13380.8/10

6.930 ± 0.017 χ^2/NDF : 603439.4/28

-0.383 ± 0.012 χ^2/NDF : 1404861.7/58

-7.286 ± 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: -256.390+/-1.573 χ^2/NDF :1212.2/11

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

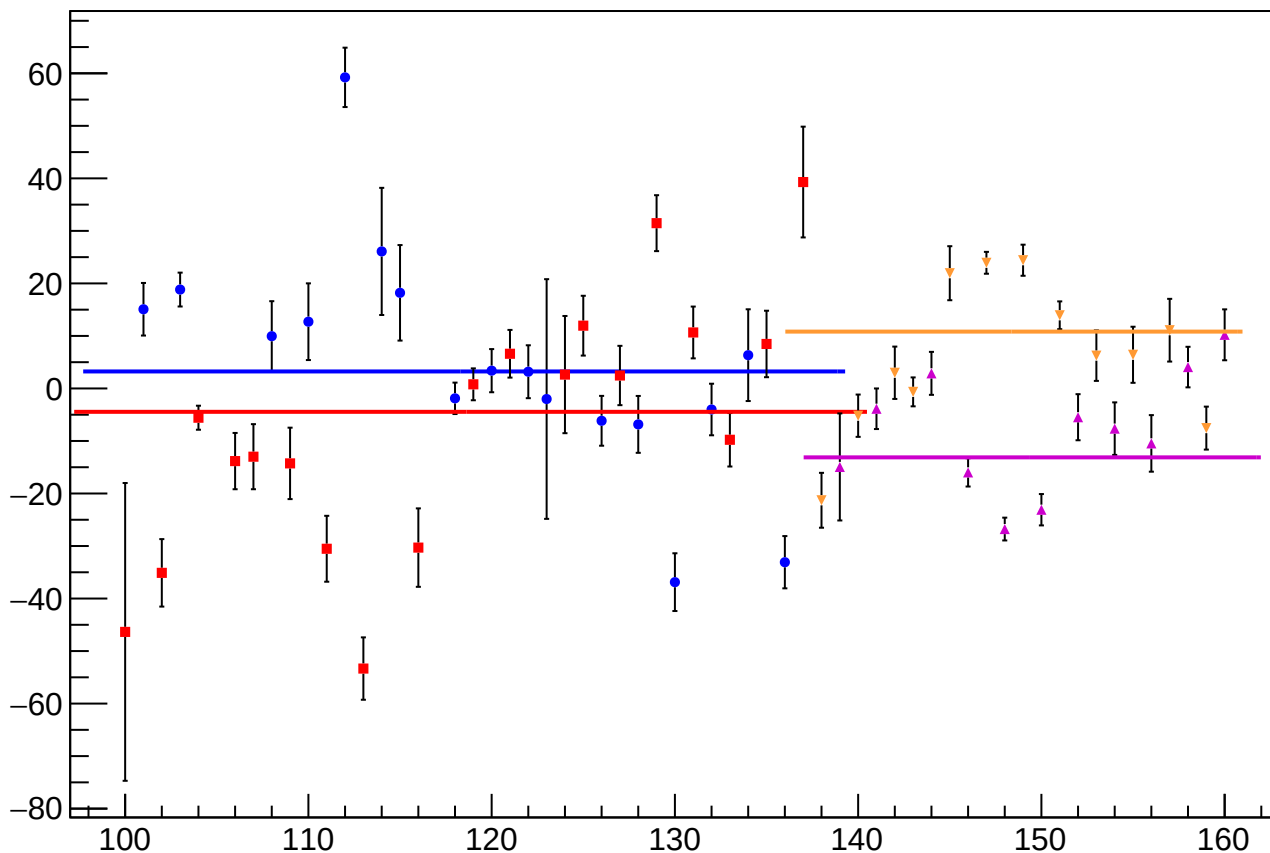
Left In: 281.607+/-1.675 χ^2/NDF :115.3/10

-256.390+/-1.573 χ^2/NDF : 1212.2/11

-4.205+/-1.147 χ^2/NDF : 56138.2/22

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 $\chi^2/\text{NDF}: 255.3/16$

Left Out: 10.824 ± 1.019 $\chi^2/\text{NDF}: 161.9/11$

Right Out: -4.450 ± 1.157 $\chi^2/\text{NDF}: 225.8/18$

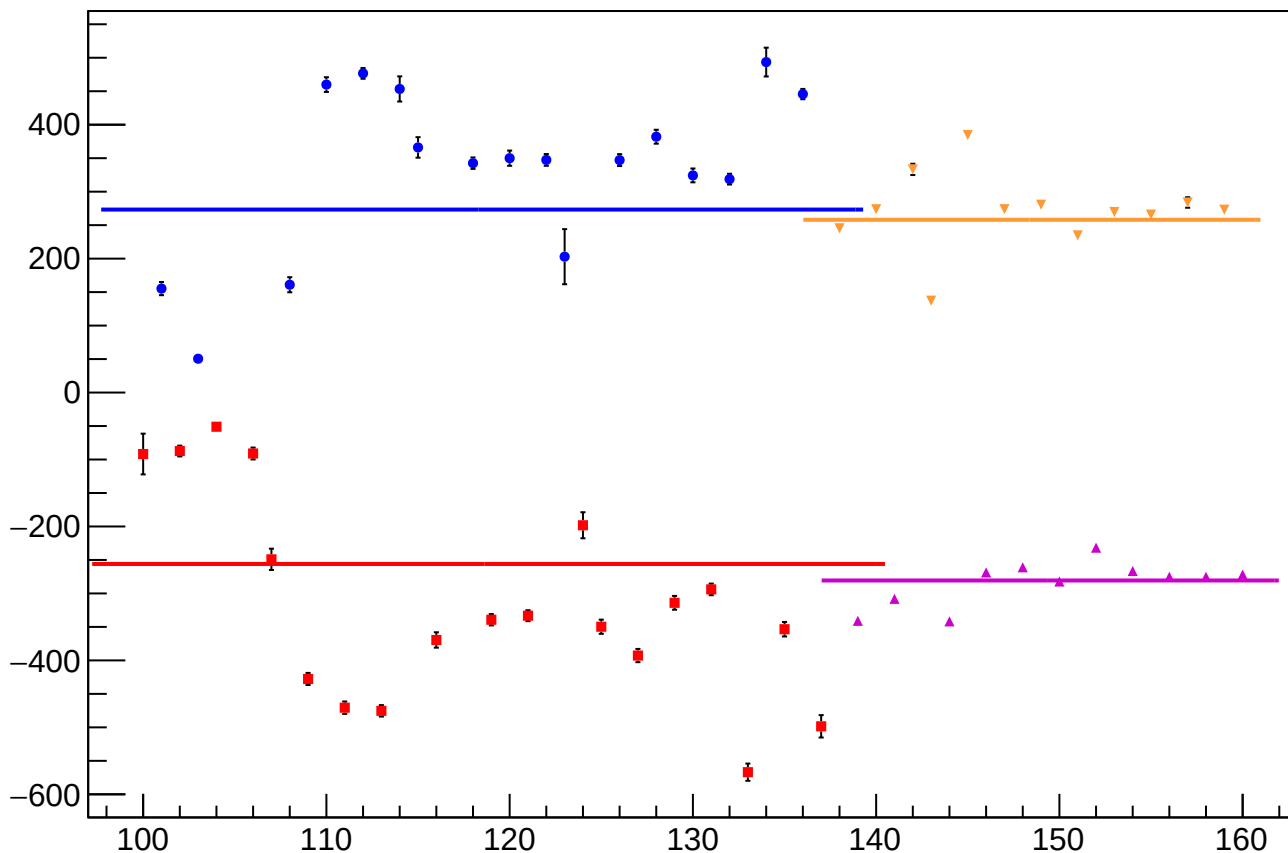
Left In: -13.121 ± 1.094 $\chi^2/\text{NDF}: 120.4/10$

7.775 ± 0.788 $\chi^2/\text{NDF}: 439.5/28$

-0.555 ± 0.560 $\chi^2/\text{NDF}: 1040.4/58$

-9.027 ± 0.795 $\chi^2/\text{NDF}: 375.8/29$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 ± 2.205 $\chi^2/\text{NDF}: 5101.5/16$

Left Out: 258.022 ± 1.555 $\chi^2/\text{NDF}: 1373.7/11$

Right Out: -255.985 ± 2.080 $\chi^2/\text{NDF}: 6438.4/18$

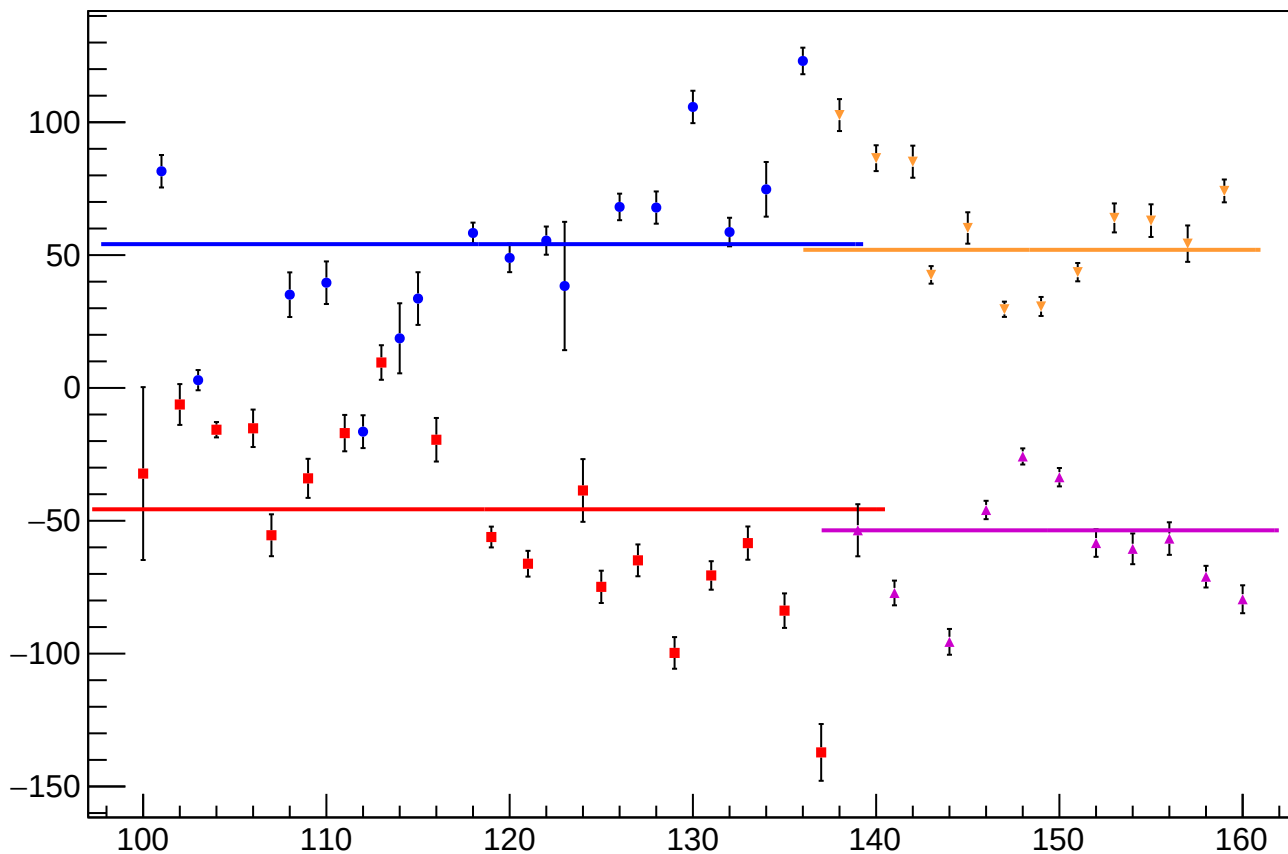
Left In: -280.642 ± 1.623 $\chi^2/\text{NDF}: 330.5/10$

263.090 ± 1.271 $\chi^2/\text{NDF}: 6507.2/28$

-2.252 ± 0.902 $\chi^2/\text{NDF}: 101160.5/58$

-271.307 ± 1.280 $\chi^2/\text{NDF}: 6856.3/29$

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: 51.984+/-1.253 χ^2/NDF : 298.6/11

Right Out: -45.675+/-1.357 χ^2/NDF : 531.0/18

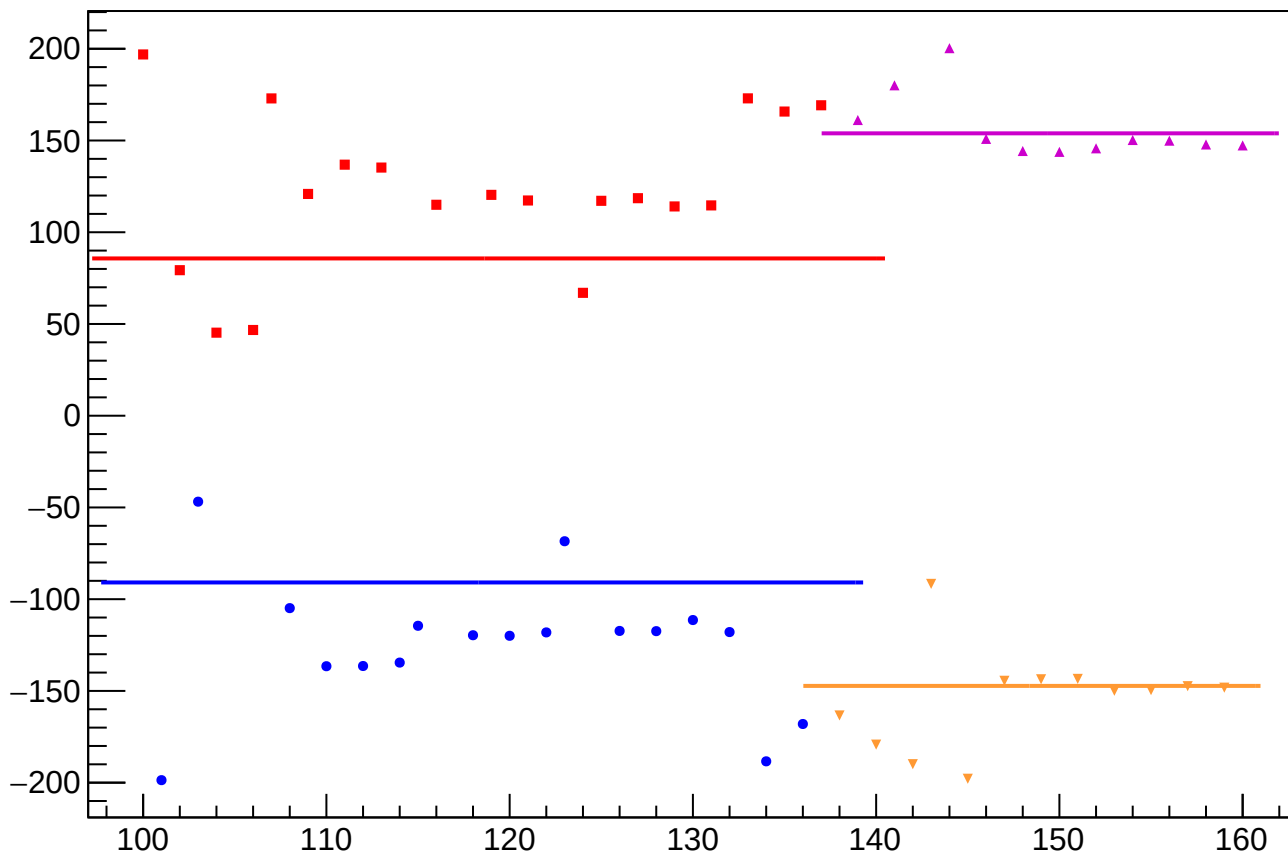
Left In: -53.593+/-1.331 χ^2/NDF : 267.7/10

52.906+/-0.945 χ^2/NDF : 933.8/28

1.890+/-0.670 χ^2/NDF : 7616.2/58

-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: -147.262 $\pm$ 0.063 χ^2 /NDF: 186798.1/11

Right Out: 85.722 $\pm$ 0.065 χ^2 /NDF: 494183.1/18

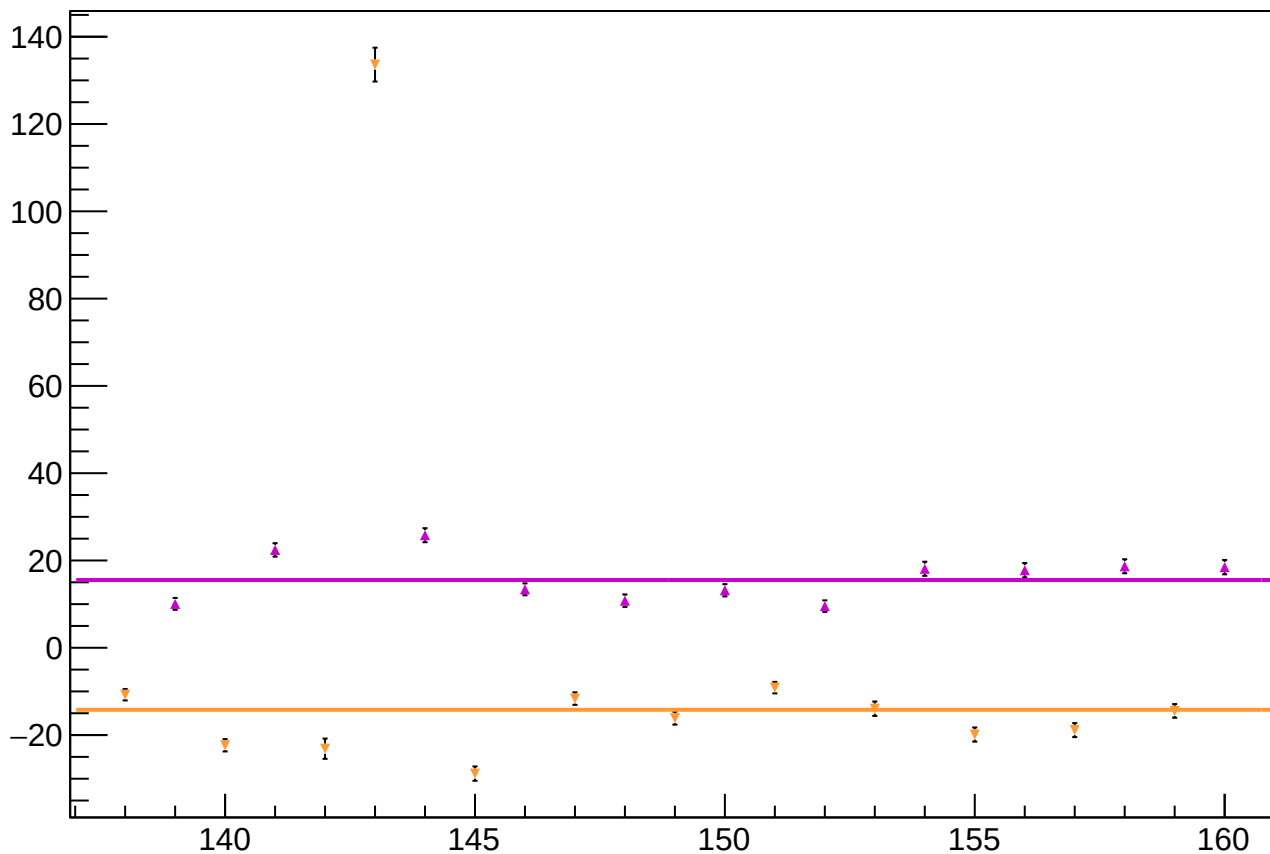
Left In: 153.908 $\pm$ 0.065 χ^2 /NDF: 53353.8/10

-121.117 $\pm$ 0.046 χ^2 /NDF: 1091583.8/28

0.305 $\pm$ 0.033 χ^2 /NDF: 15950933.2/58

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: -14.205+/-0.459 χ^2/NDF : 1624.5/11

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

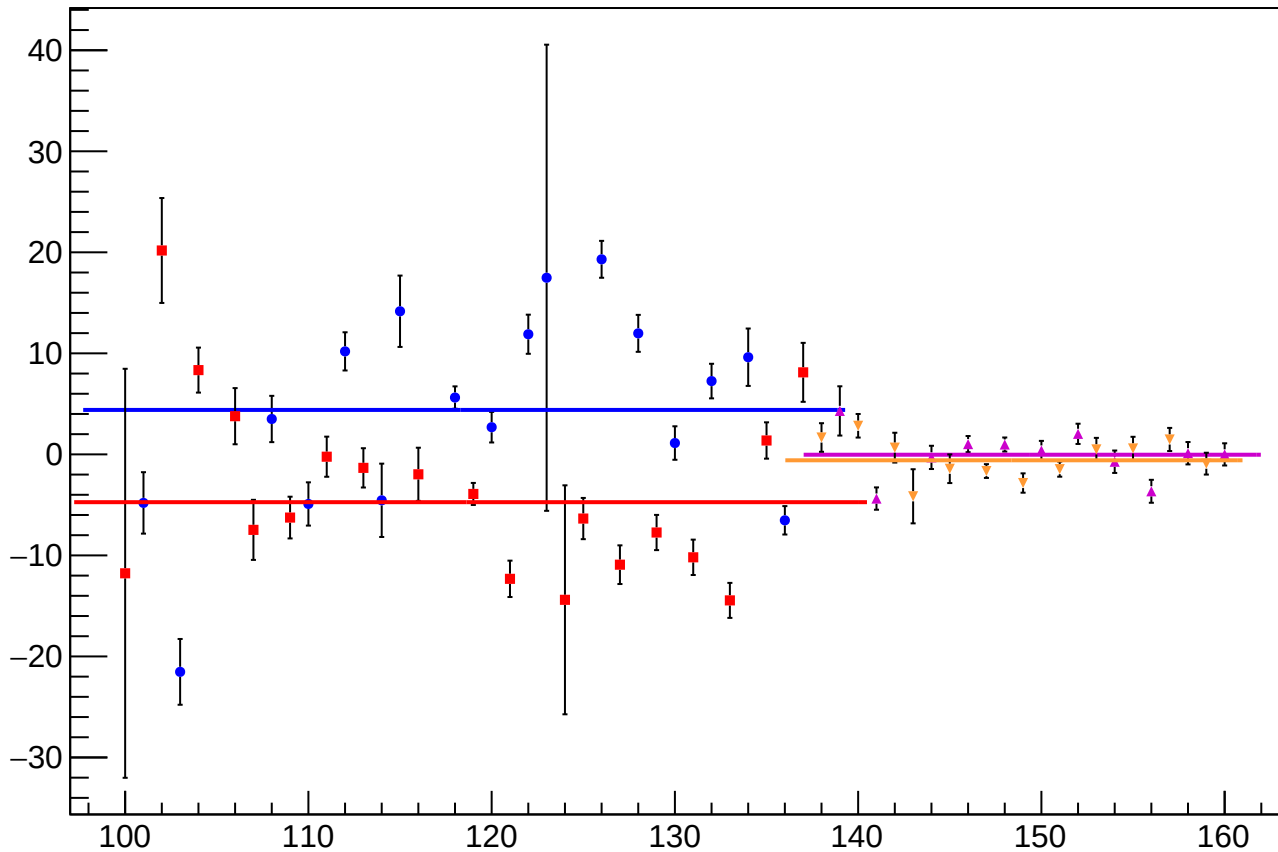
Left In: 15.525+/-0.449 χ^2/NDF : 125.0/10

-14.205+/-0.459 χ^2/NDF : 1624.5/11

0.970+/-0.321 χ^2/NDF : 3893.4/22

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: -0.586 ± 0.309 χ^2/NDF : 28.6/11

Right Out: -4.732 ± 0.473 χ^2/NDF : 182.9/18

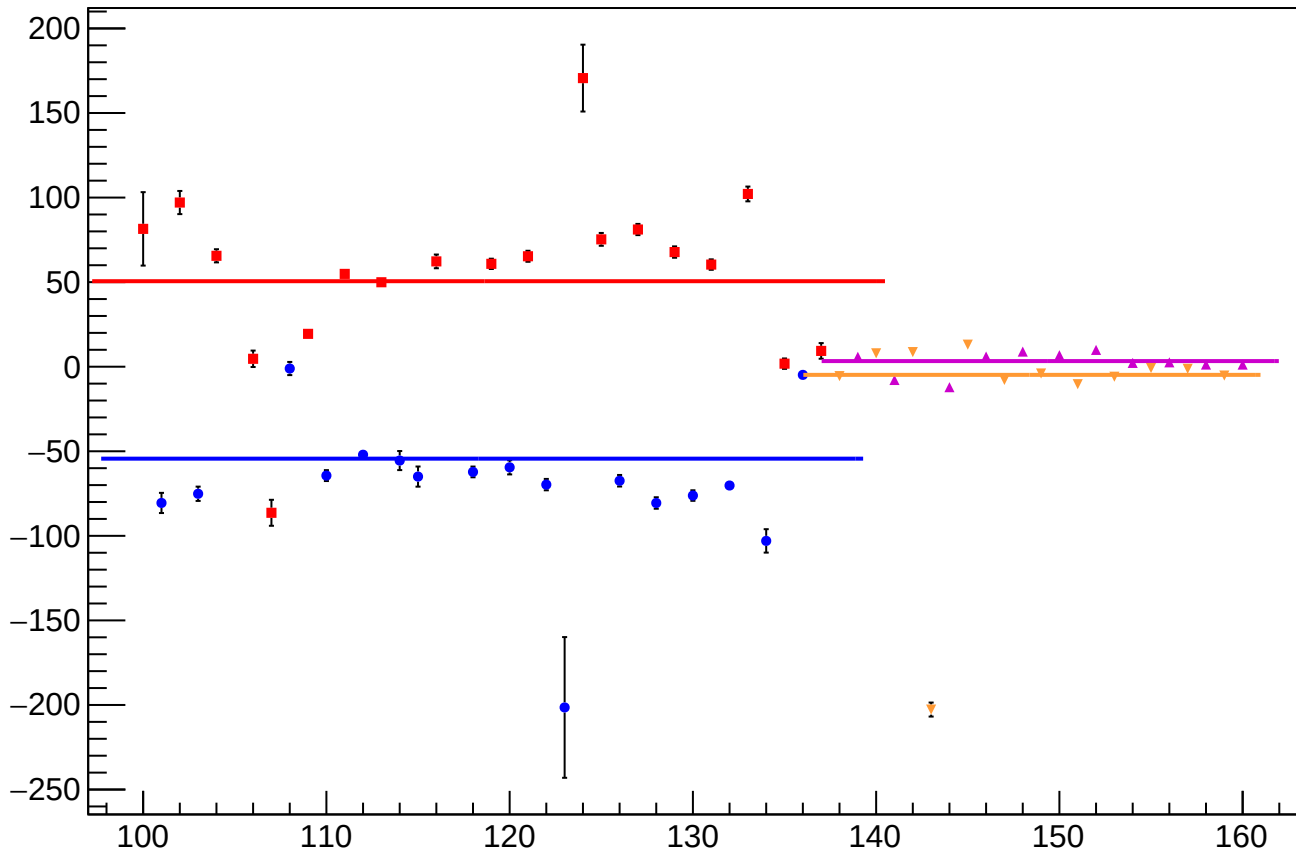
Left In: -0.035 ± 0.306 χ^2/NDF : 37.5/10

0.911 ± 0.258 χ^2/NDF : 393.8/28

-0.260 ± 0.182 χ^2/NDF : 724.6/58

-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: -4.823 ± 0.448 χ^2/NDF : 2529.8/11

Right Out: 50.554 ± 0.858 χ^2/NDF : 1321.3/18

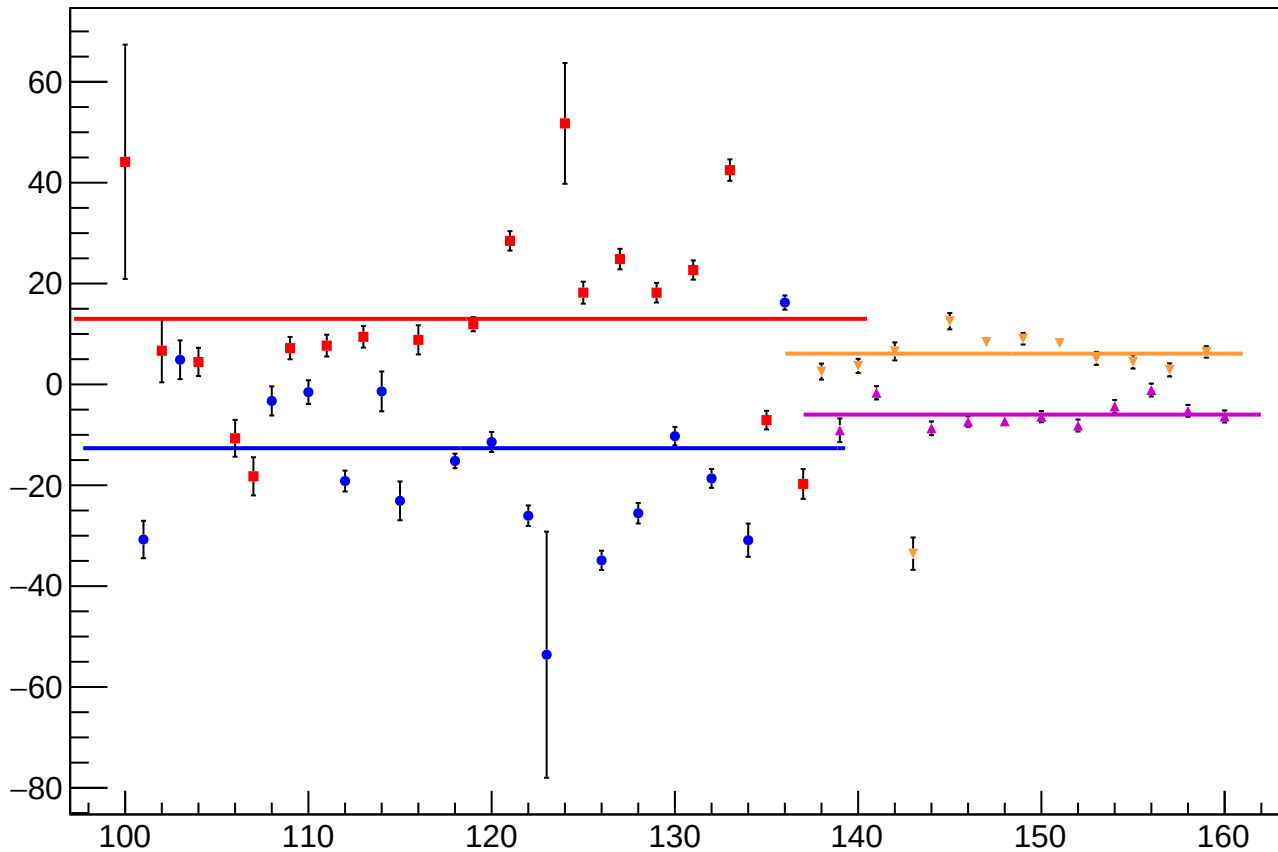
Left In: 3.326 ± 0.436 χ^2/NDF : 190.6/10

-15.239 ± 0.398 χ^2/NDF : 6114.6/28

-0.765 ± 0.278 χ^2/NDF : 12617.9/58

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: 6.103 ± 0.374 χ^2/NDF : 201.7/11

Right Out: 13.005 ± 0.538 χ^2/NDF : 721.4/18

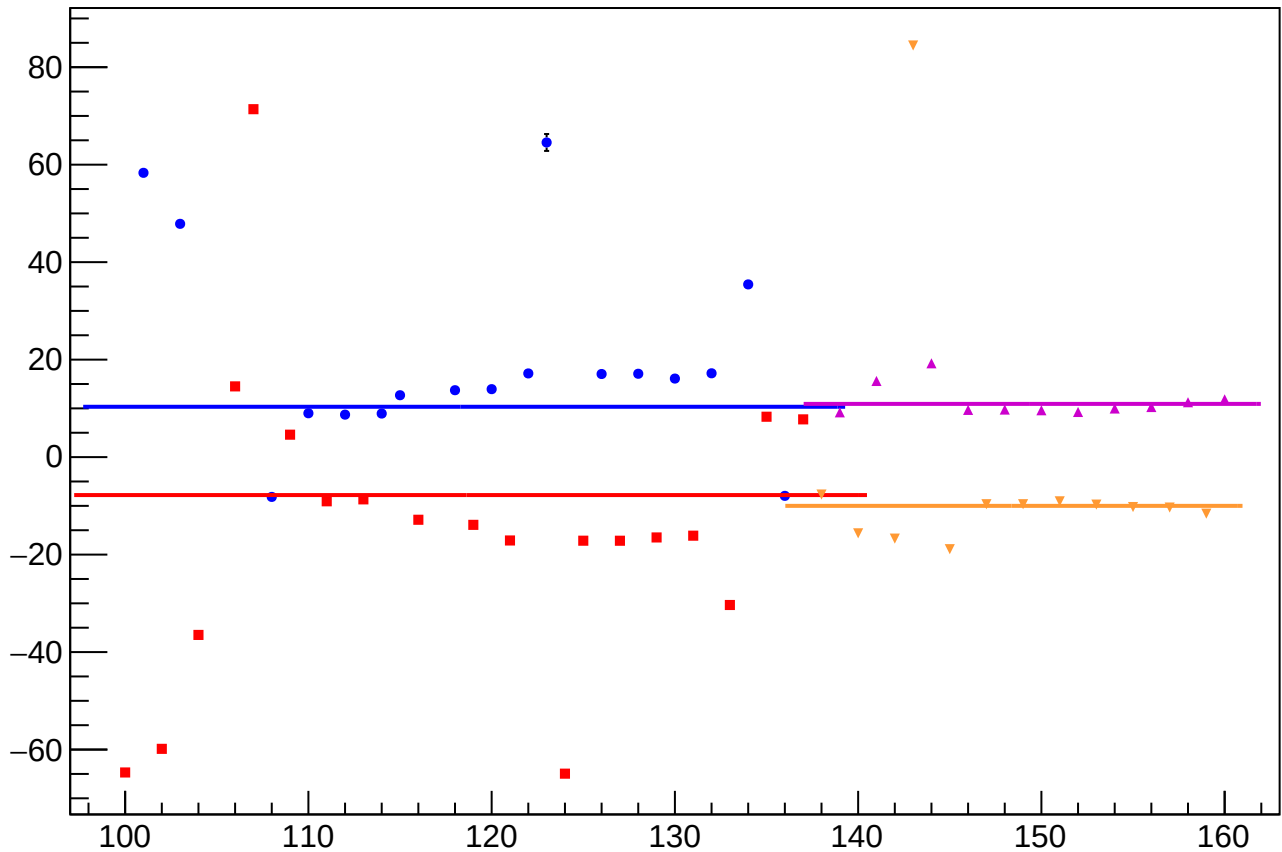
Left In: -5.982 ± 0.366 χ^2/NDF : 40.0/10

-0.024 ± 0.307 χ^2/NDF : 1813.2/28

-0.000 ± 0.215 χ^2/NDF : 3427.7/58

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: -9.999+/-0.018 χ^2/NDF : 355763.0/11

Right Out: -7.786+/-0.031 χ^2/NDF : 544119.7/18

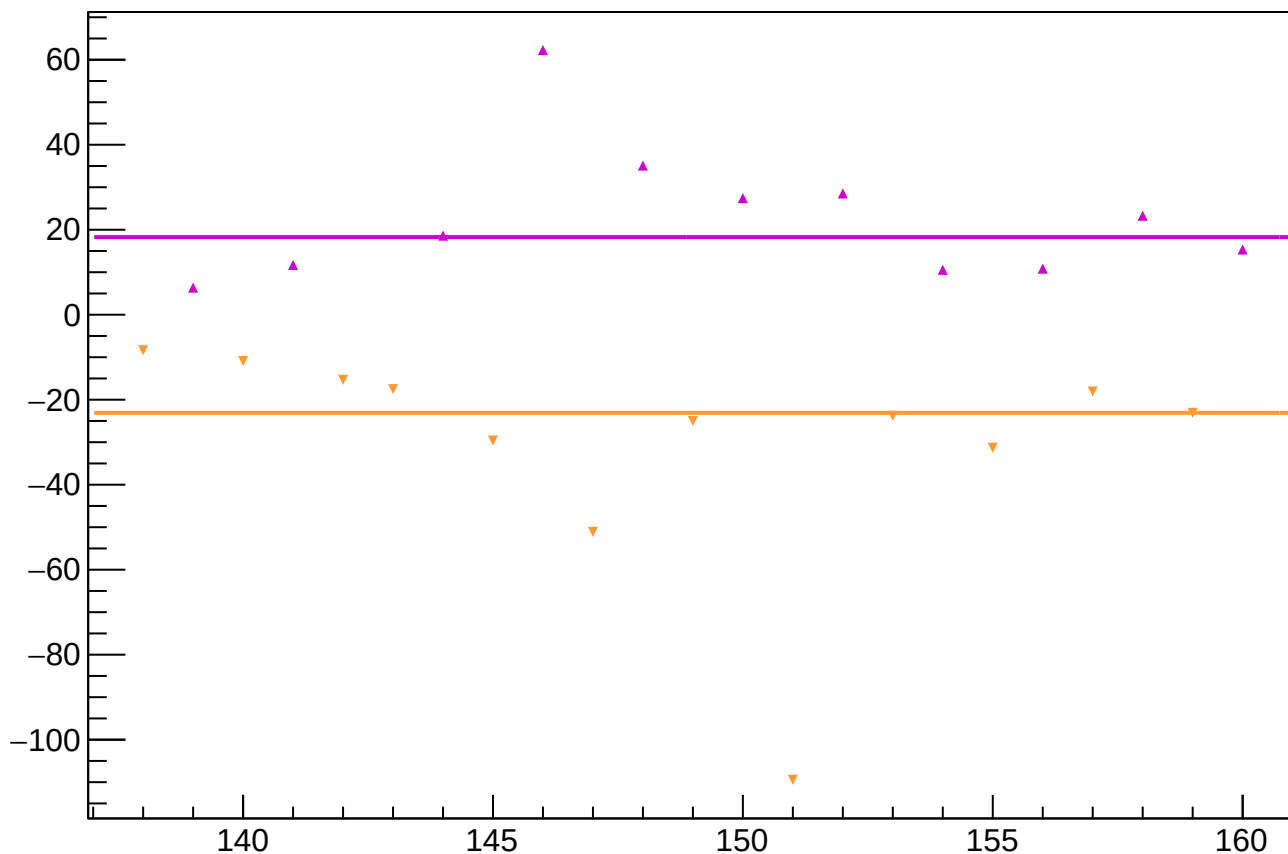
Left In: 10.920+/-0.017 χ^2/NDF : 21694.2/10

-4.992+/-0.015 χ^2/NDF : 1067625.6/28

0.981+/-0.011 χ^2/NDF : 2210780.2/58

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 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -23.088 ± 0.076 $\chi^2/\text{NDF}: 50366.3/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

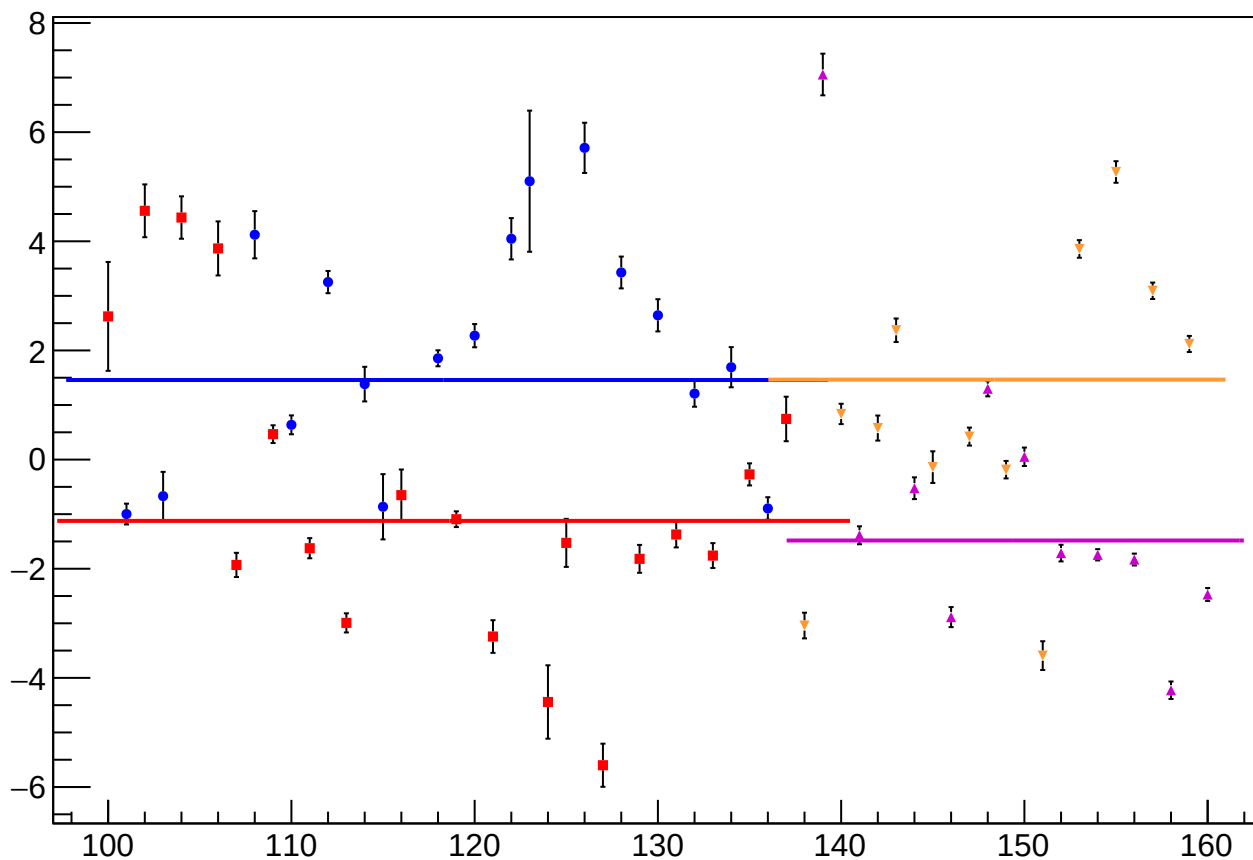
Left In: 18.269 ± 0.064 $\chi^2/\text{NDF}: 36060.4/10$

-23.088 ± 0.076 $\chi^2/\text{NDF}: 50366.3/11$

1.103 ± 0.049 $\chi^2/\text{NDF}: 260400.0/22$

18.269 ± 0.064 $\chi^2/\text{NDF}: 36060.4/10$

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: 1.465 ± 0.054 χ^2/NDF : 1682.7/11

Right Out: -1.123 ± 0.058 χ^2/NDF : 947.4/18

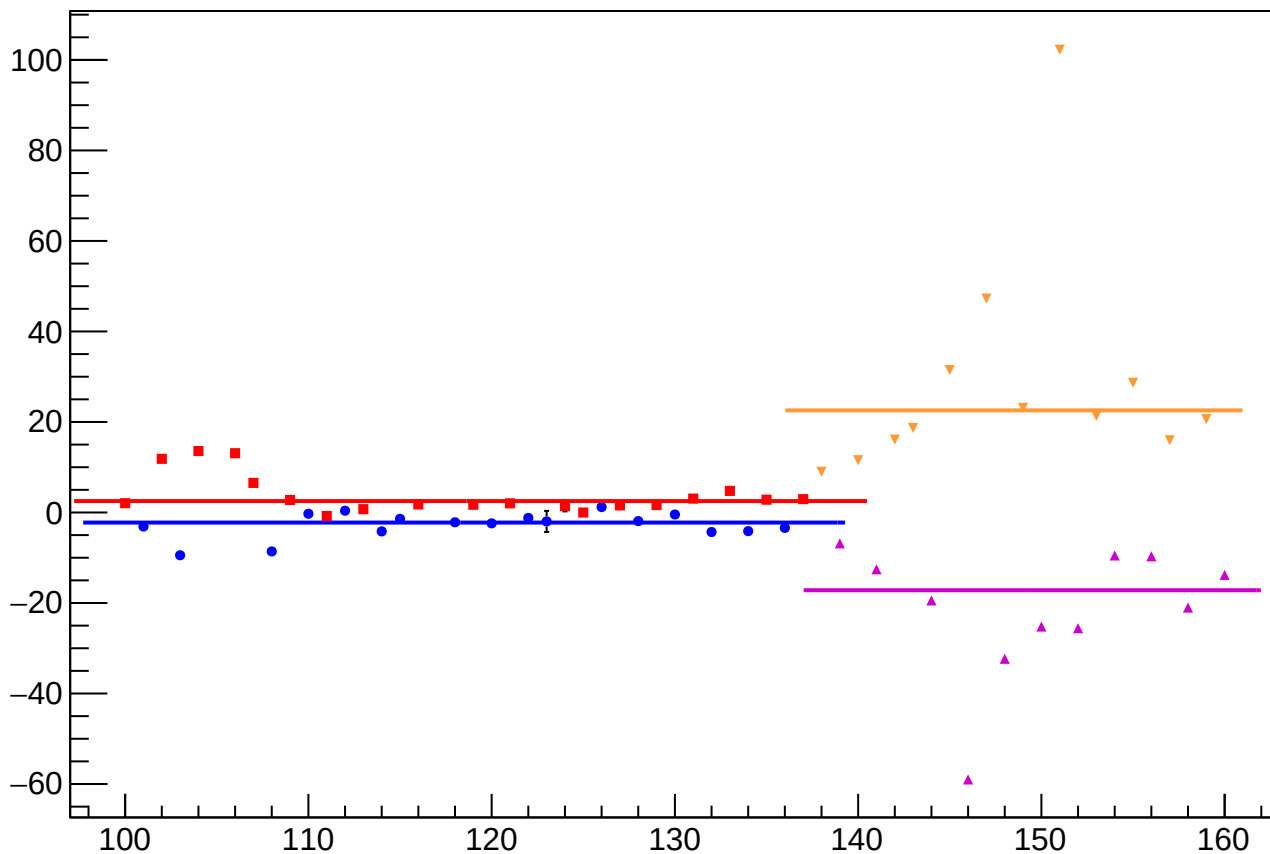
Left In: -1.483 ± 0.044 χ^2/NDF : 1442.8/10

1.462 ± 0.041 χ^2/NDF : 2380.9/28

-0.151 ± 0.027 χ^2/NDF : 7537.1/58

-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: 22.561 ± 0.074 $\chi^2/\text{NDF}: 45582.2/11$

Right Out: 2.520 ± 0.099 $\chi^2/\text{NDF}: 904.0/18$

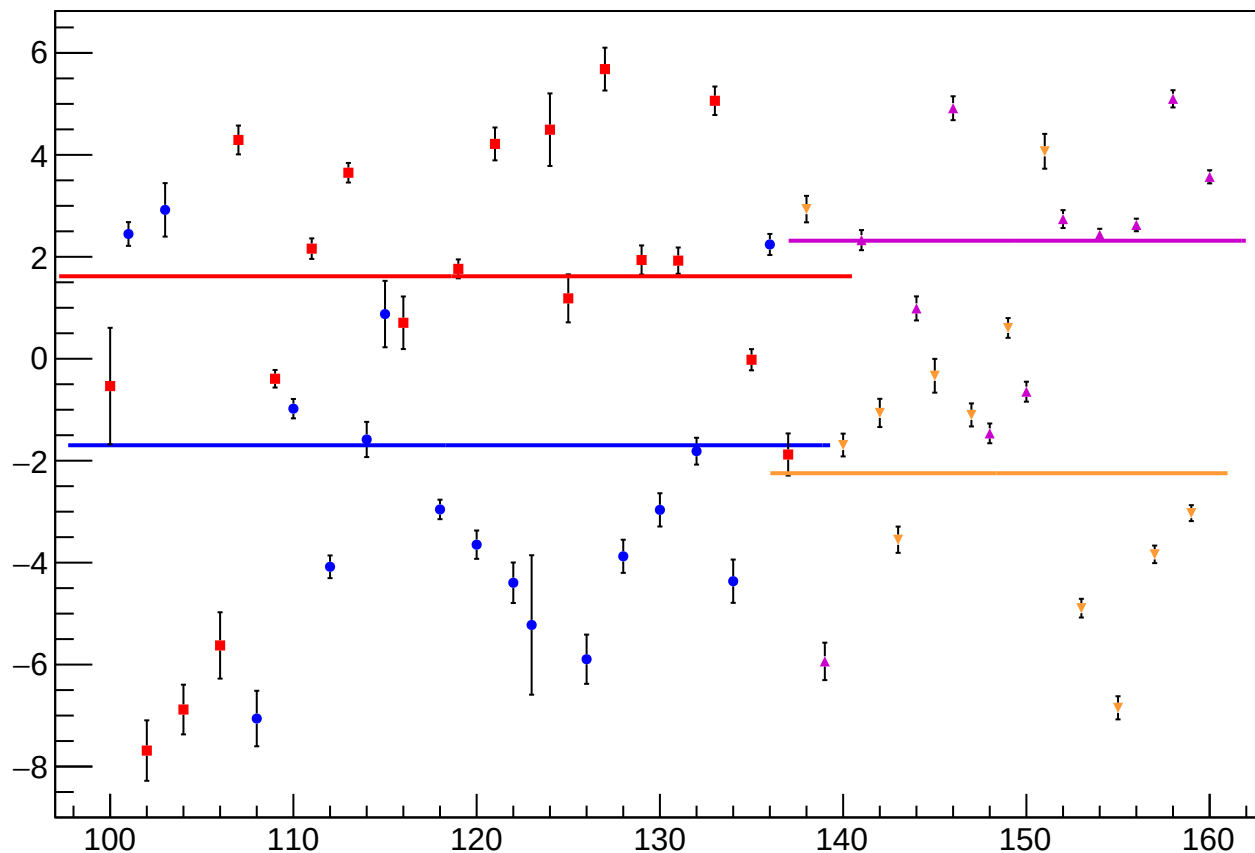
Left In: -17.177 ± 0.061 $\chi^2/\text{NDF}: 34201.5/10$

14.915 ± 0.062 $\chi^2/\text{NDF}: 80367.8/28$

-0.681 ± 0.040 $\chi^2/\text{NDF}: 252984.1/58$

-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: -2.246 ± 0.063 χ^2/NDF : 1795.6/11

Right Out: 1.618 ± 0.066 χ^2/NDF : 1489.2/18

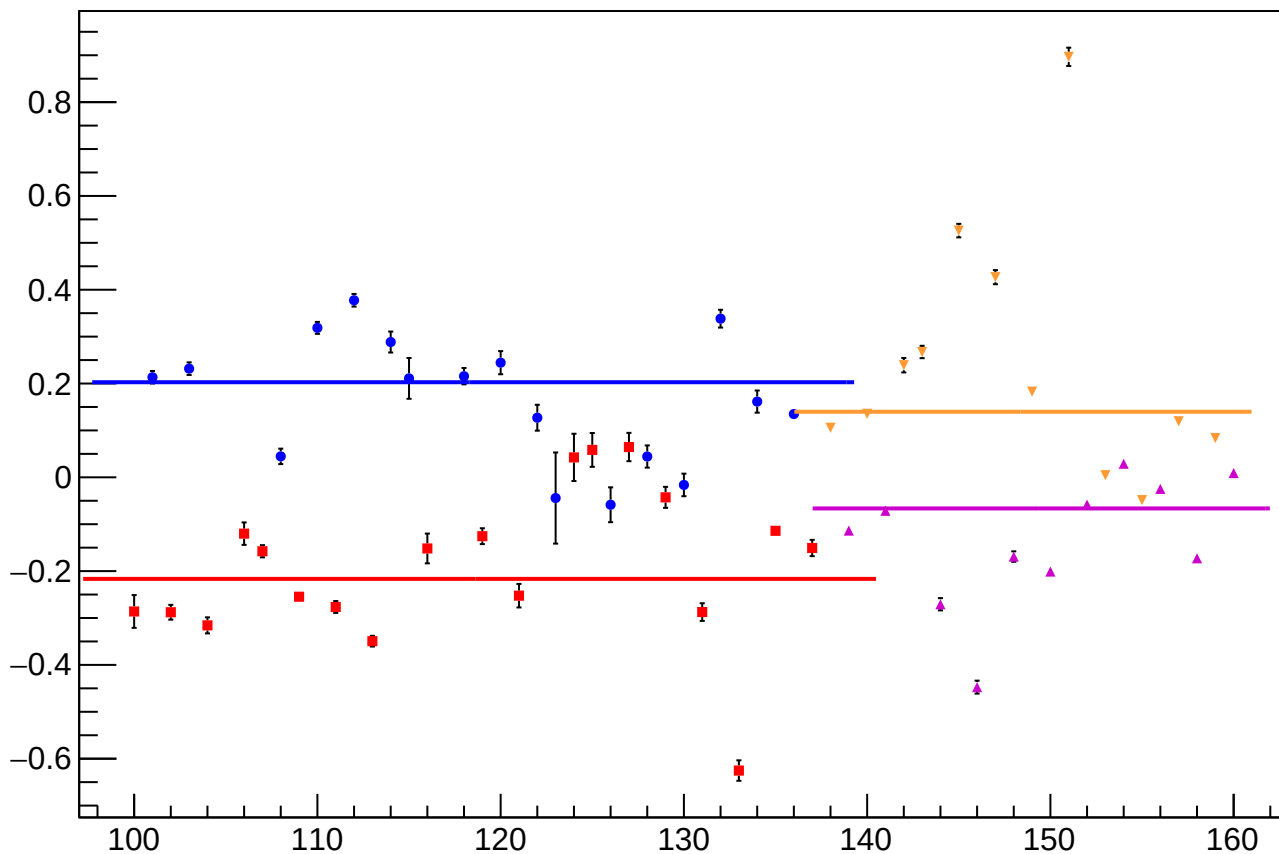
Left In: 2.316 ± 0.051 χ^2/NDF : 1648.1/10

-2.004 ± 0.047 χ^2/NDF : 3148.3/28

0.346 ± 0.031 χ^2/NDF : 10631.3/58

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: 0.140 ± 0.003 χ^2/NDF : 3568.6/11

Right Out: -0.217 ± 0.004 χ^2/NDF : 1064.4/18

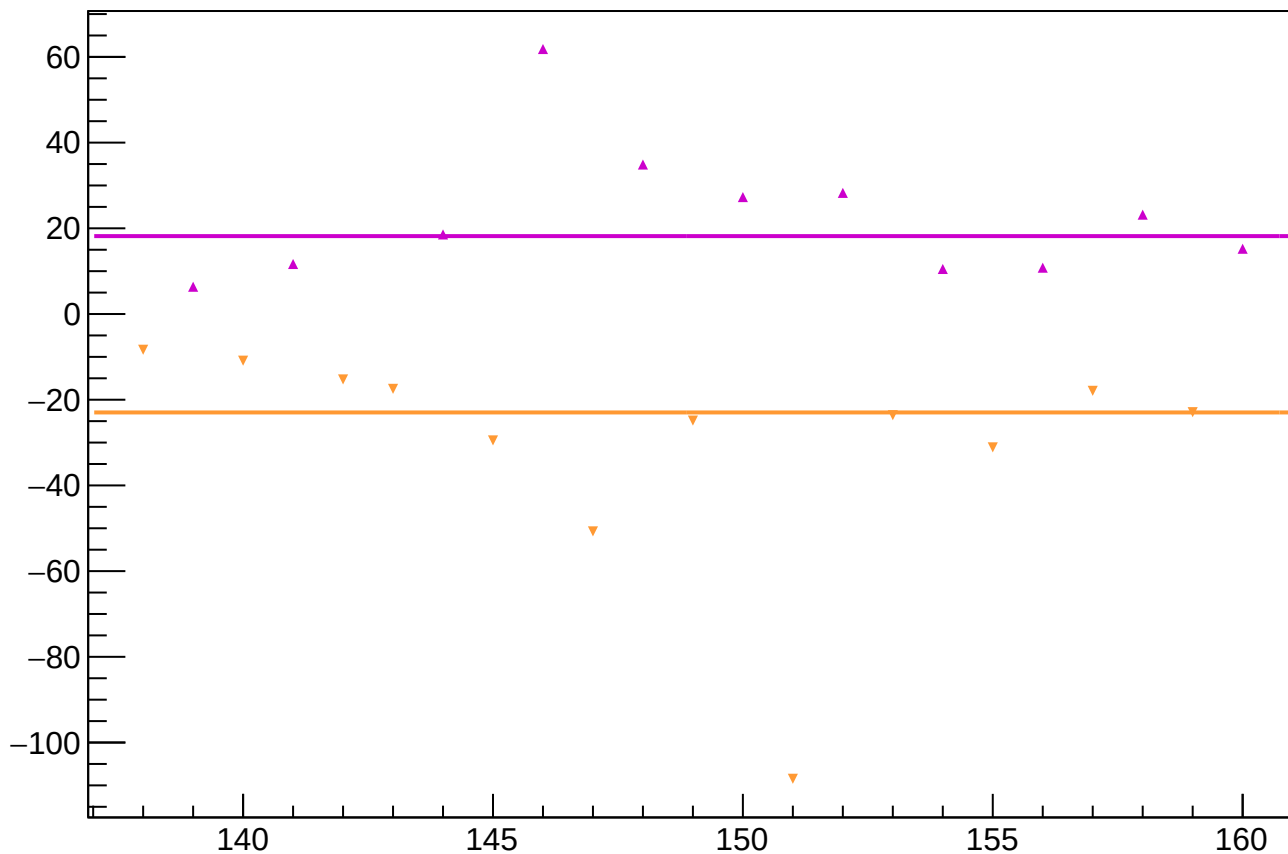
Left In: -0.066 ± 0.002 χ^2/NDF : 2111.0/10

0.160 ± 0.002 χ^2/NDF : 4402.7/28

0.000 ± 0.001 χ^2/NDF : 16593.7/58

-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: -22.970 $\pm$ 0.075 χ^2/NDF : 50256.9/11

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

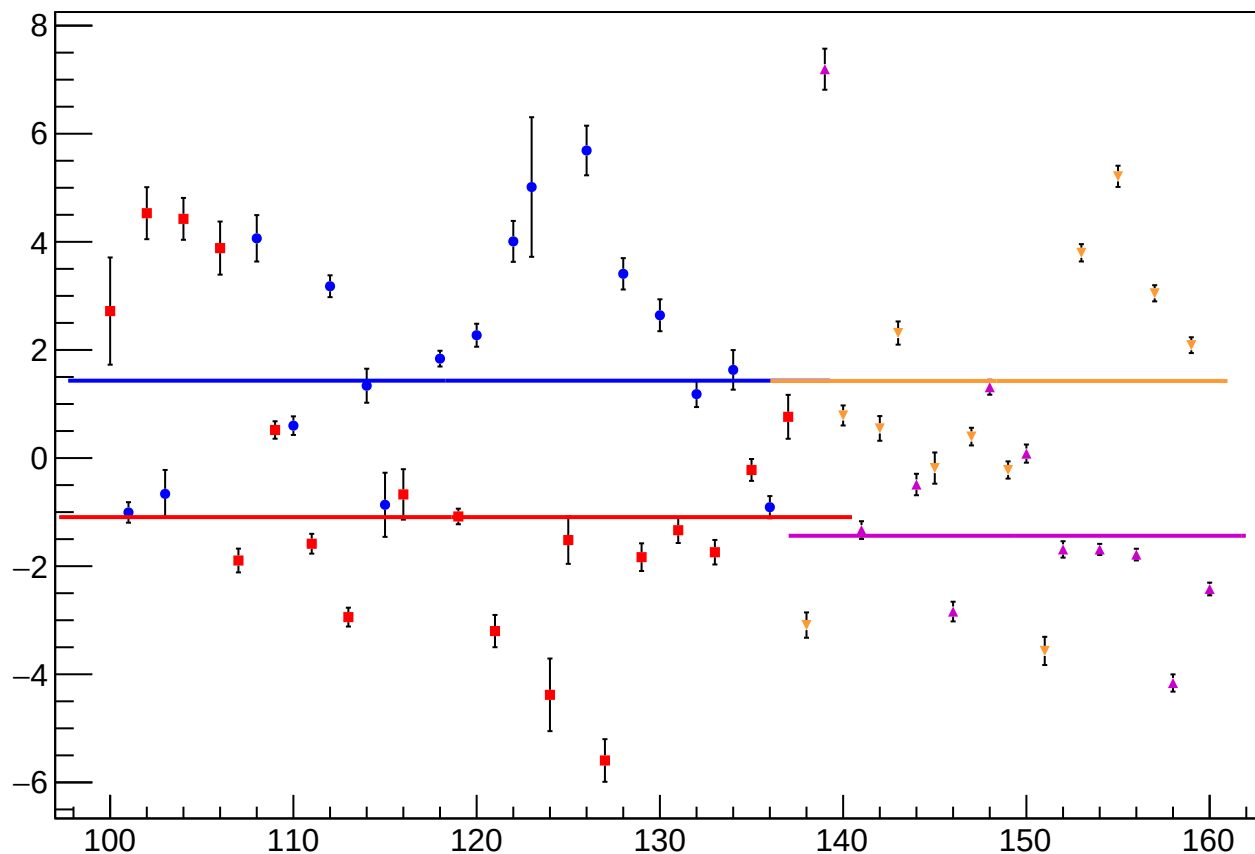
Left In: 18.181 $\pm$ 0.063 χ^2/NDF : 35992.6/10

-22.970 $\pm$ 0.075 χ^2/NDF : 50256.9/11

1.097 $\pm$ 0.049 χ^2/NDF : 260606.4/22

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: 1.426 ± 0.054 χ^2/NDF : 1688.3/11

Right Out: -1.092 ± 0.058 χ^2/NDF : 953.2/18

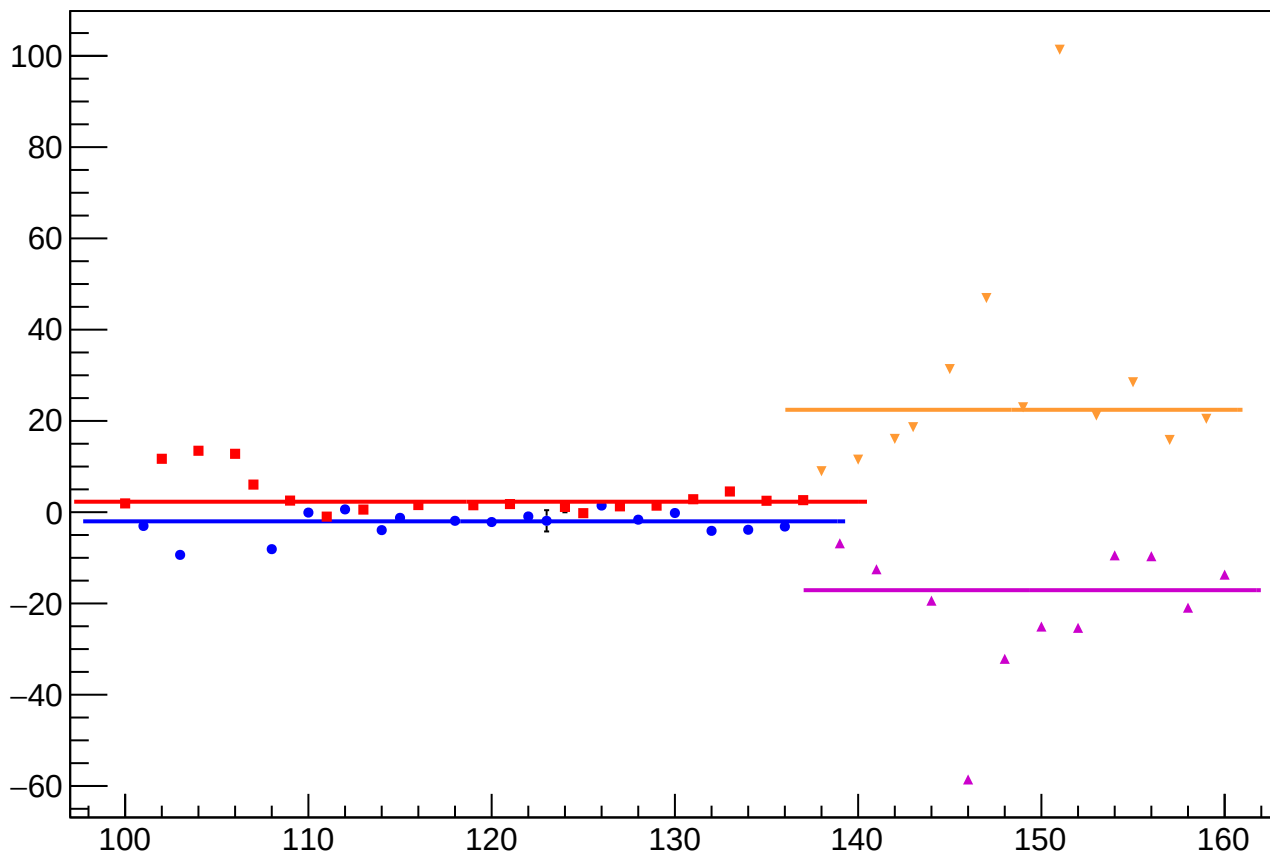
Left In: -1.437 ± 0.044 χ^2/NDF : 1453.5/10

1.429 ± 0.040 χ^2/NDF : 2384.9/28

-0.142 ± 0.026 χ^2/NDF : 7444.7/58

-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: 22.439 ± 0.074 χ^2/NDF : 45504.4/11

Right Out: 2.295 ± 0.098 χ^2/NDF : 907.2/18

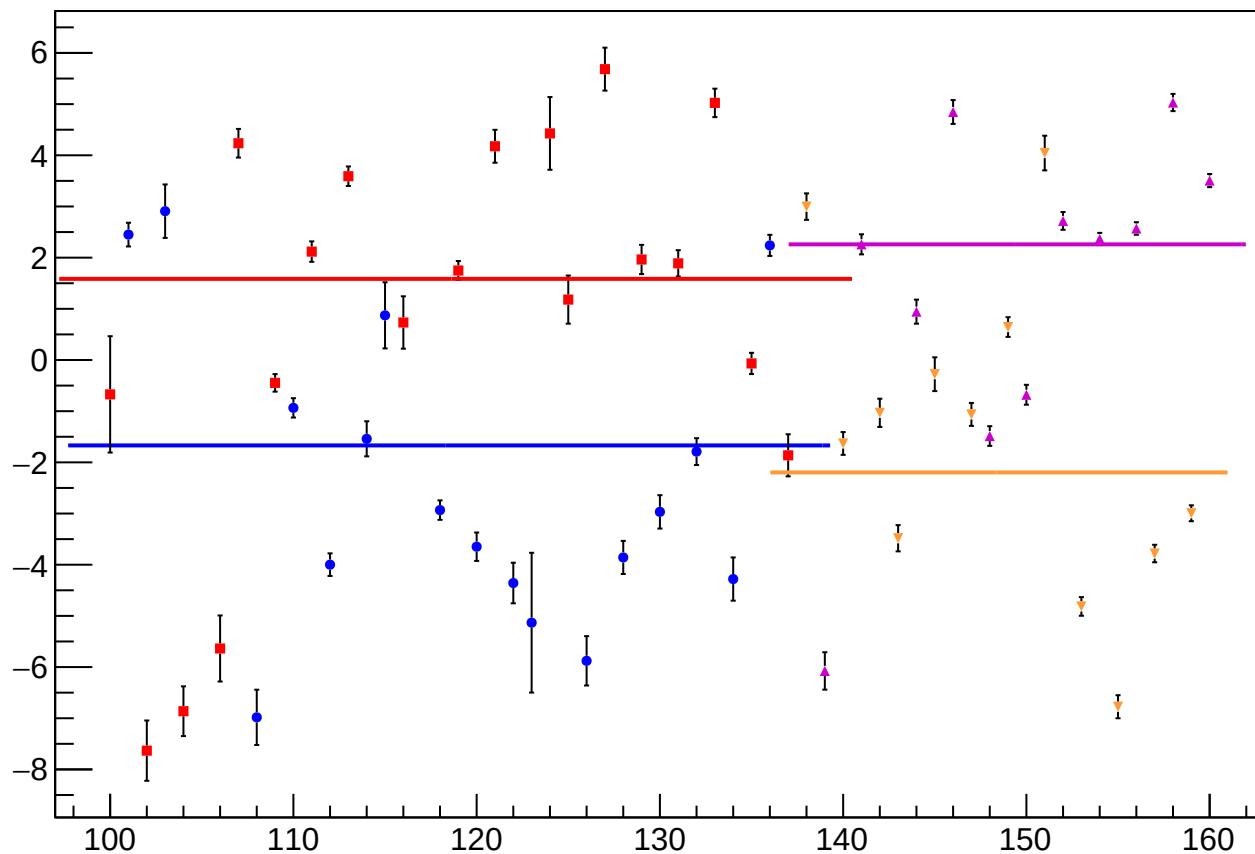
Left In: -17.092 ± 0.061 χ^2/NDF : 34148.0/10

14.914 ± 0.061 χ^2/NDF : 79705.4/28

-0.685 ± 0.040 χ^2/NDF : 253025.7/58

-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: -2.197 ± 0.063 χ^2/NDF : 1802.9/11

Right Out: 1.585 ± 0.065 χ^2/NDF : 1494.7/18

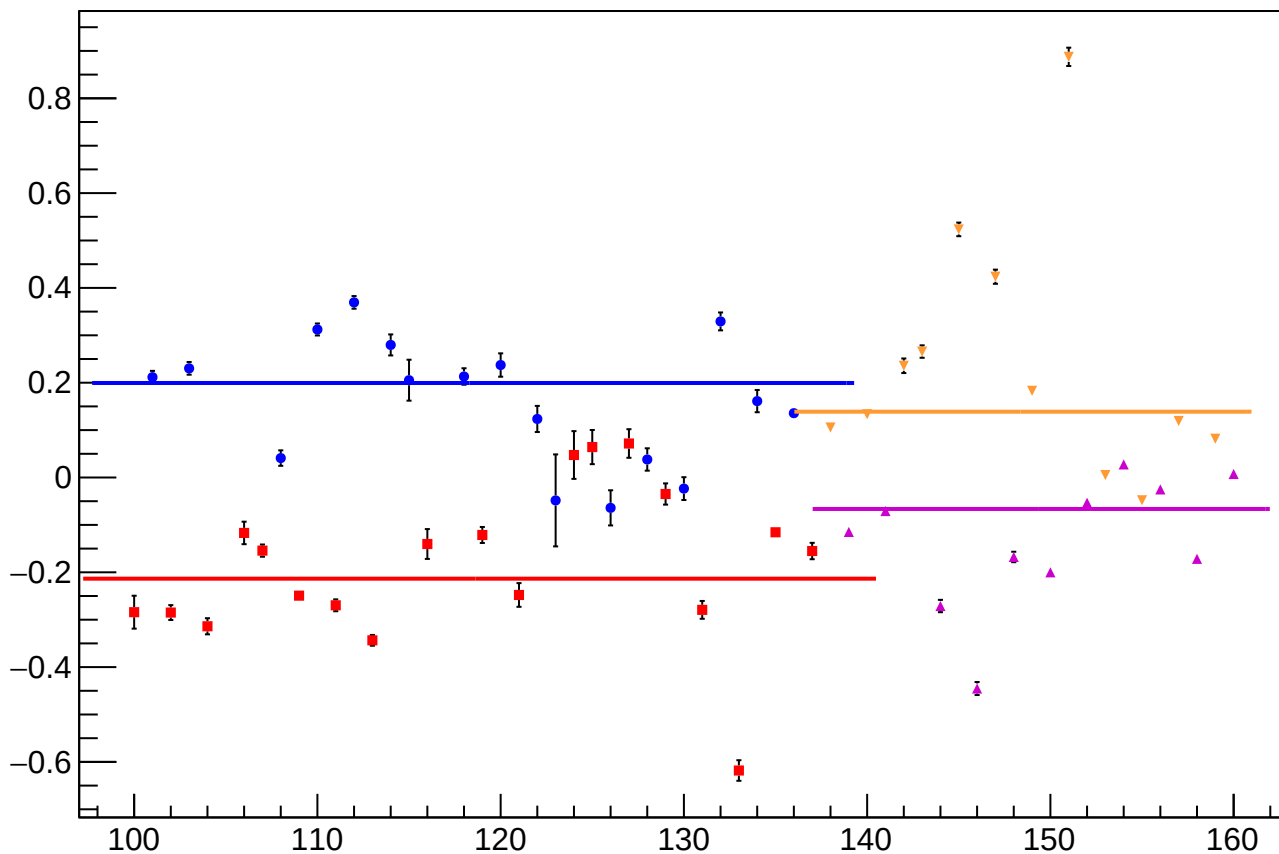
Left In: 2.260 ± 0.051 χ^2/NDF : 1662.6/10

-1.965 ± 0.047 χ^2/NDF : 3149.0/28

0.335 ± 0.030 χ^2/NDF : 10515.5/58

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 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.139 ± 0.003 χ^2/NDF : 3562.1/11

Right Out: -0.213 ± 0.004 χ^2/NDF : 1048.2/18

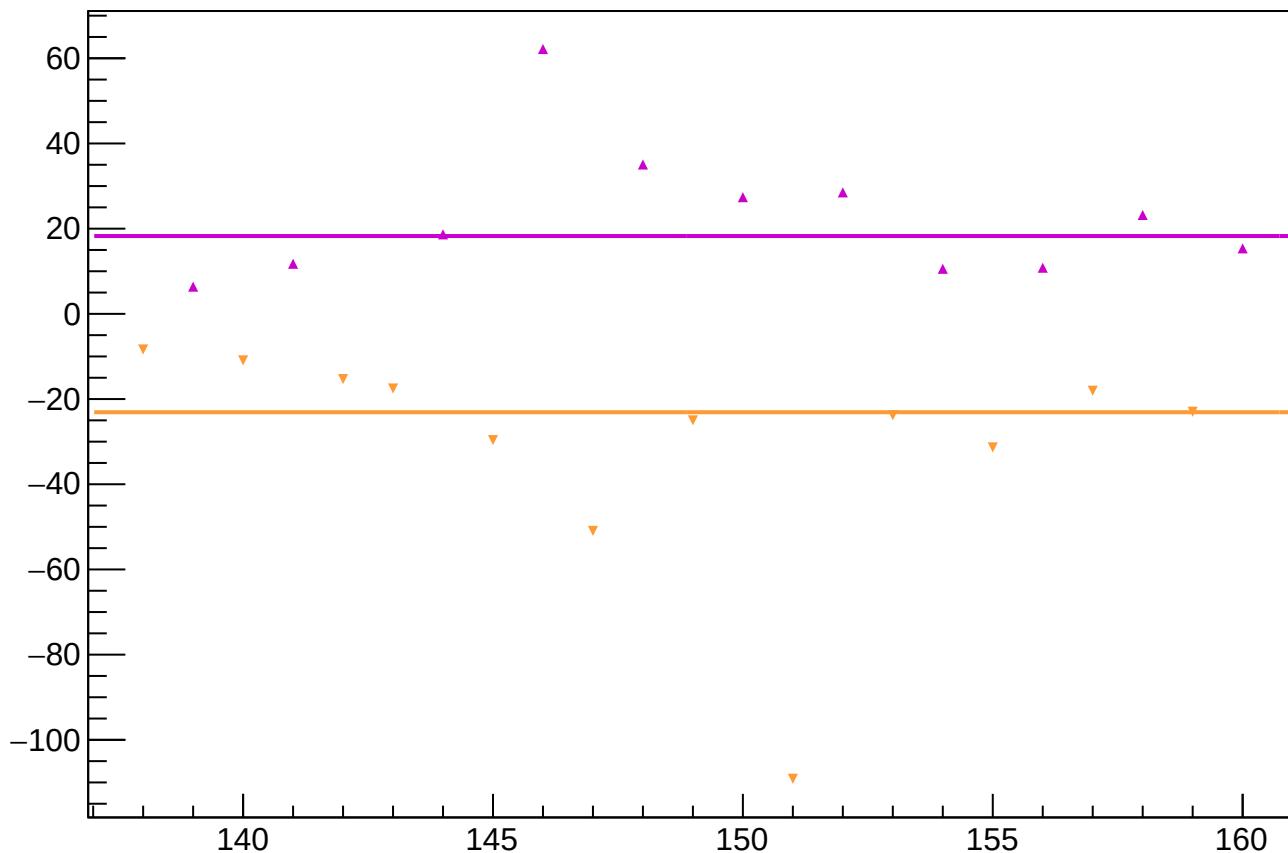
Left In: -0.066 ± 0.002 χ^2/NDF : 2105.1/10

0.158 ± 0.002 χ^2/NDF : 4371.6/28

0.000 ± 0.001 χ^2/NDF : 16438.5/58

-0.105 ± 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: -23.088+/-0.076 χ^2/NDF : 50367.5/11

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

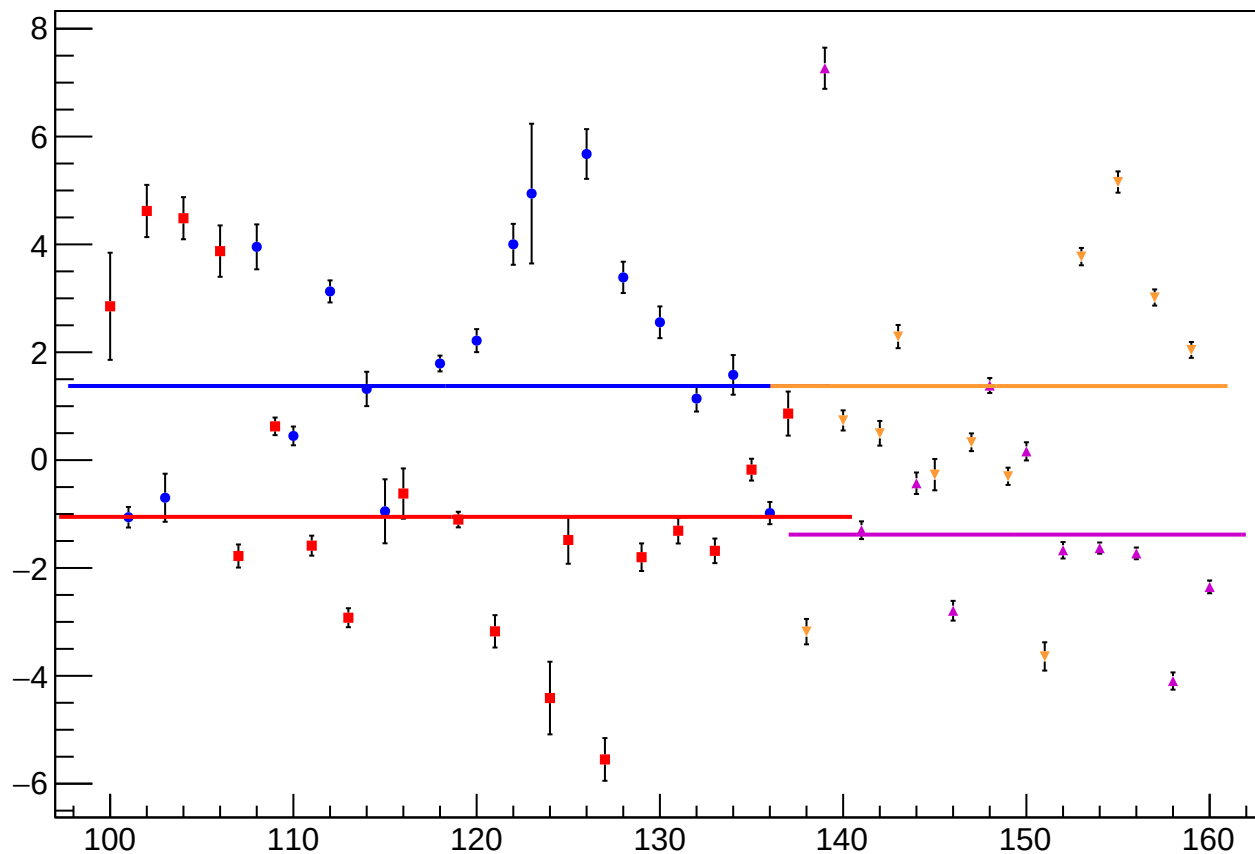
Left In: 18.270+/-0.064 χ^2/NDF : 36067.3/10

-23.088+/-0.076 χ^2/NDF : 50367.5/11

1.113+/-0.049 χ^2/NDF : 261081.5/22

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 χ^2/NDF : 702.4/16

Left Out: 1.373 ± 0.054 χ^2/NDF : 1696.2/11

Right Out: -1.052 ± 0.058 χ^2/NDF : 964.0/18

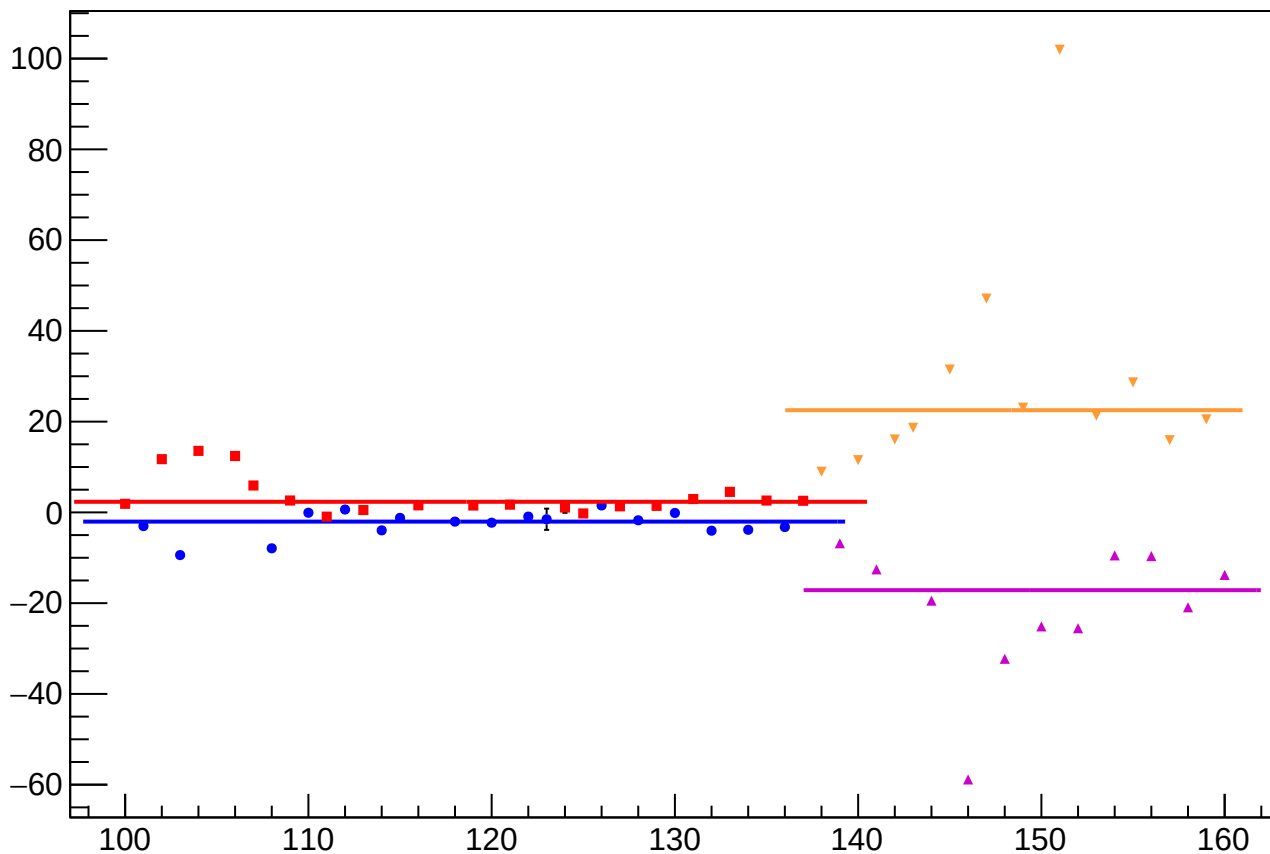
Left In: -1.381 ± 0.044 χ^2/NDF : 1449.9/10

1.374 ± 0.041 χ^2/NDF : 2398.7/28

-0.138 ± 0.027 χ^2/NDF : 7246.5/58

-1.261 ± 0.035 χ^2/NDF : 2434.3/29

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 $\chi^2/\text{NDF}: 463.2/16$

Left Out: 22.522 ± 0.074 $\chi^2/\text{NDF}: 45599.4/11$

Right Out: 2.336 ± 0.099 $\chi^2/\text{NDF}: 902.0/18$

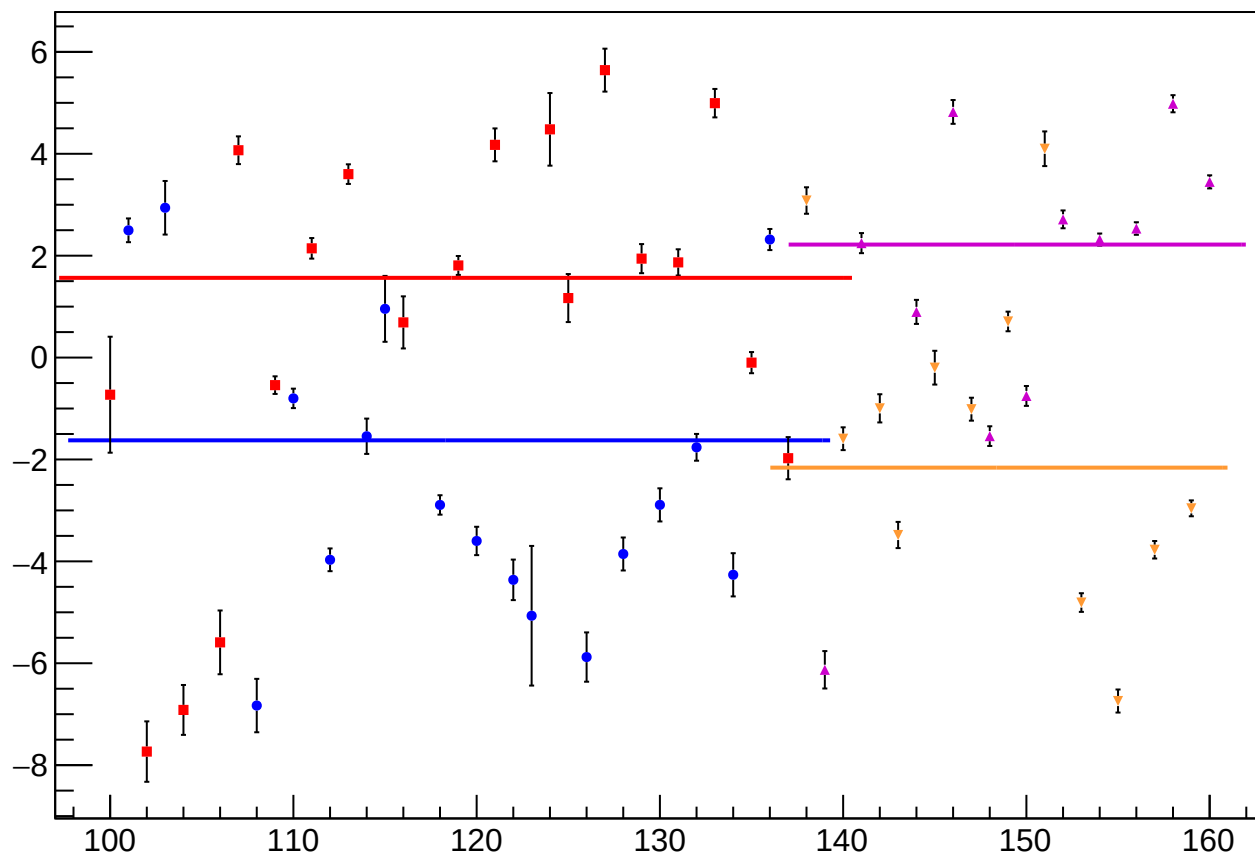
Left In: -17.140 ± 0.061 $\chi^2/\text{NDF}: 34227.3/10$

14.973 ± 0.062 $\chi^2/\text{NDF}: 79762.5/28$

-0.687 ± 0.040 $\chi^2/\text{NDF}: 252926.2/58$

-11.775 ± 0.052 $\chi^2/\text{NDF}: 63204.1/29$

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: -2.160 ± 0.063 χ^2/NDF : 1811.7/11

Right Out: 1.565 ± 0.066 χ^2/NDF : 1505.8/18

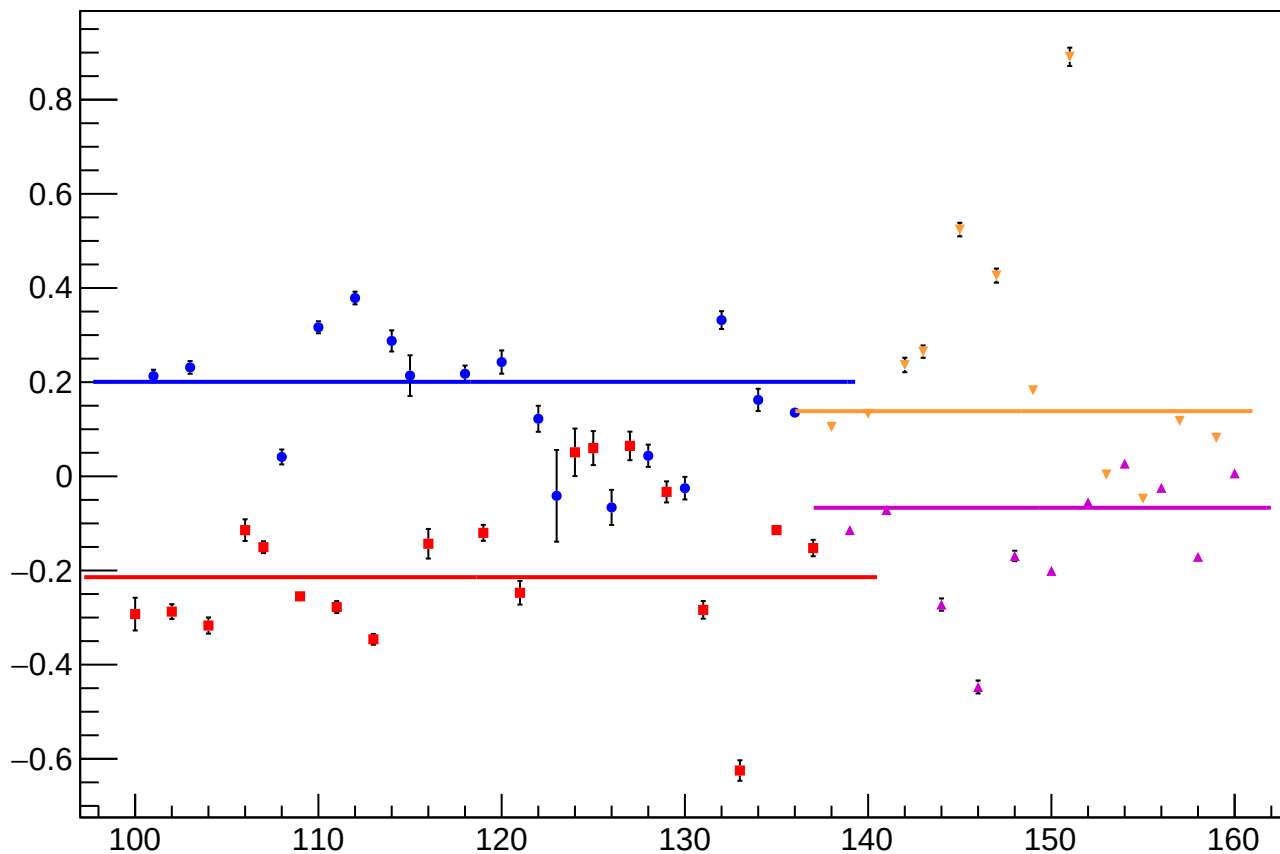
Left In: 2.218 ± 0.051 χ^2/NDF : 1658.9/10

-1.925 ± 0.047 χ^2/NDF : 3164.2/28

0.334 ± 0.031 χ^2/NDF : 10348.1/58

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: 0.138 ± 0.003 χ^2/NDF : 3555.4/11

Right Out: -0.214 ± 0.004 χ^2/NDF : 1080.4/18

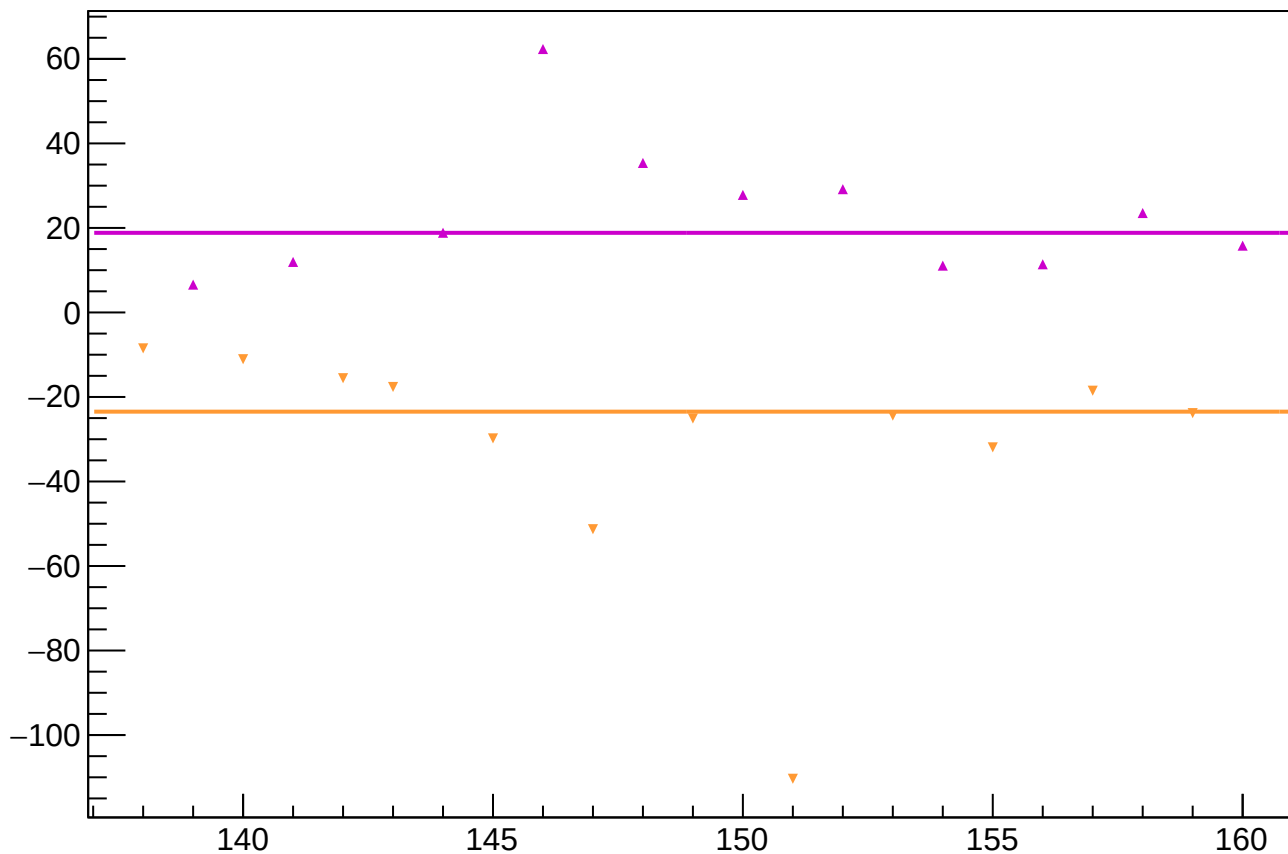
Left In: -0.067 ± 0.002 χ^2/NDF : 2096.2/10

0.158 ± 0.002 χ^2/NDF : 4400.5/28

-0.000 ± 0.001 χ^2/NDF : 16476.1/58

-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: -23.475+/-0.077 χ^2/NDF : 50225.4/11

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

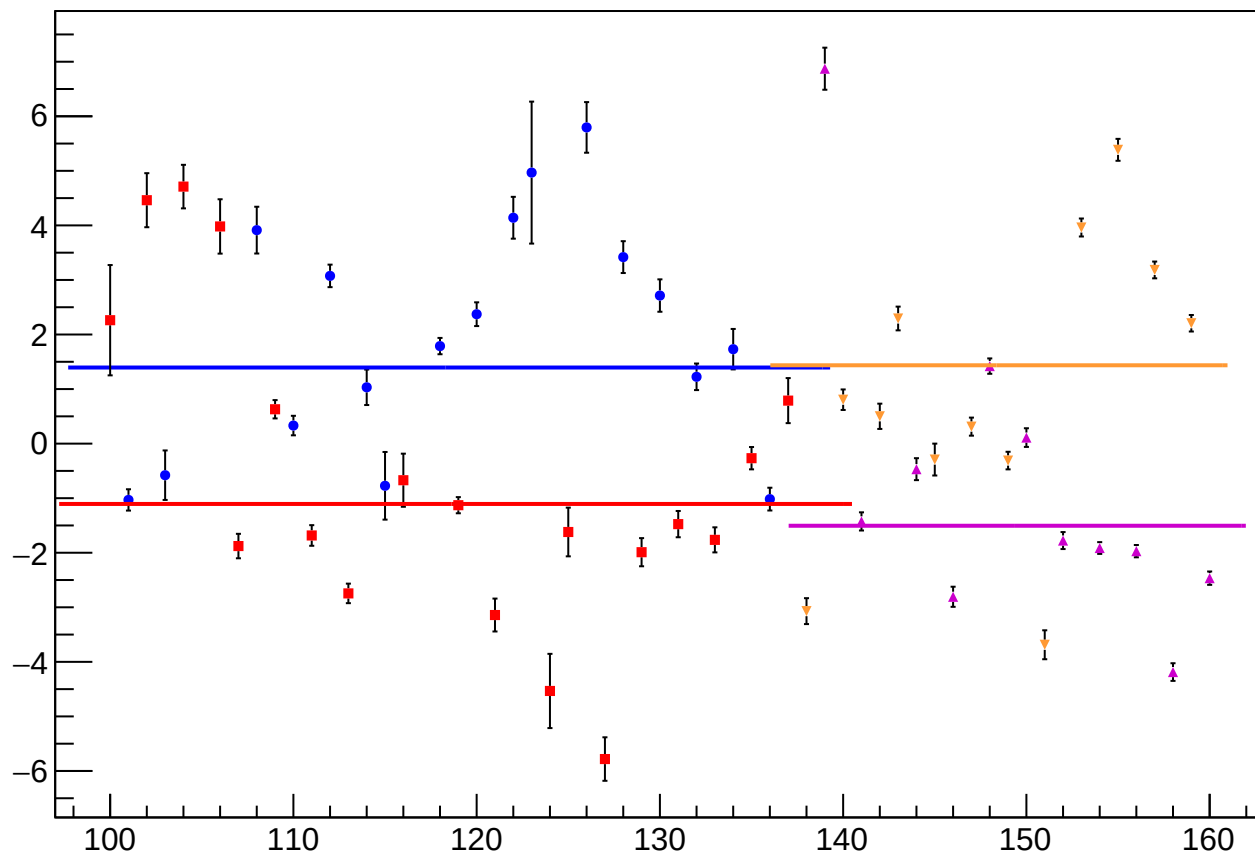
Left In: 18.840+/-0.065 χ^2/NDF : 34994.7/10

-23.475+/-0.077 χ^2/NDF : 50225.4/11

1.108+/-0.050 χ^2/NDF : 261075.0/22

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: 1.436 +/- 0.055 χ^2/NDF : 1750.9/11

Right Out: -1.106 +/- 0.059 χ^2/NDF : 937.0/18

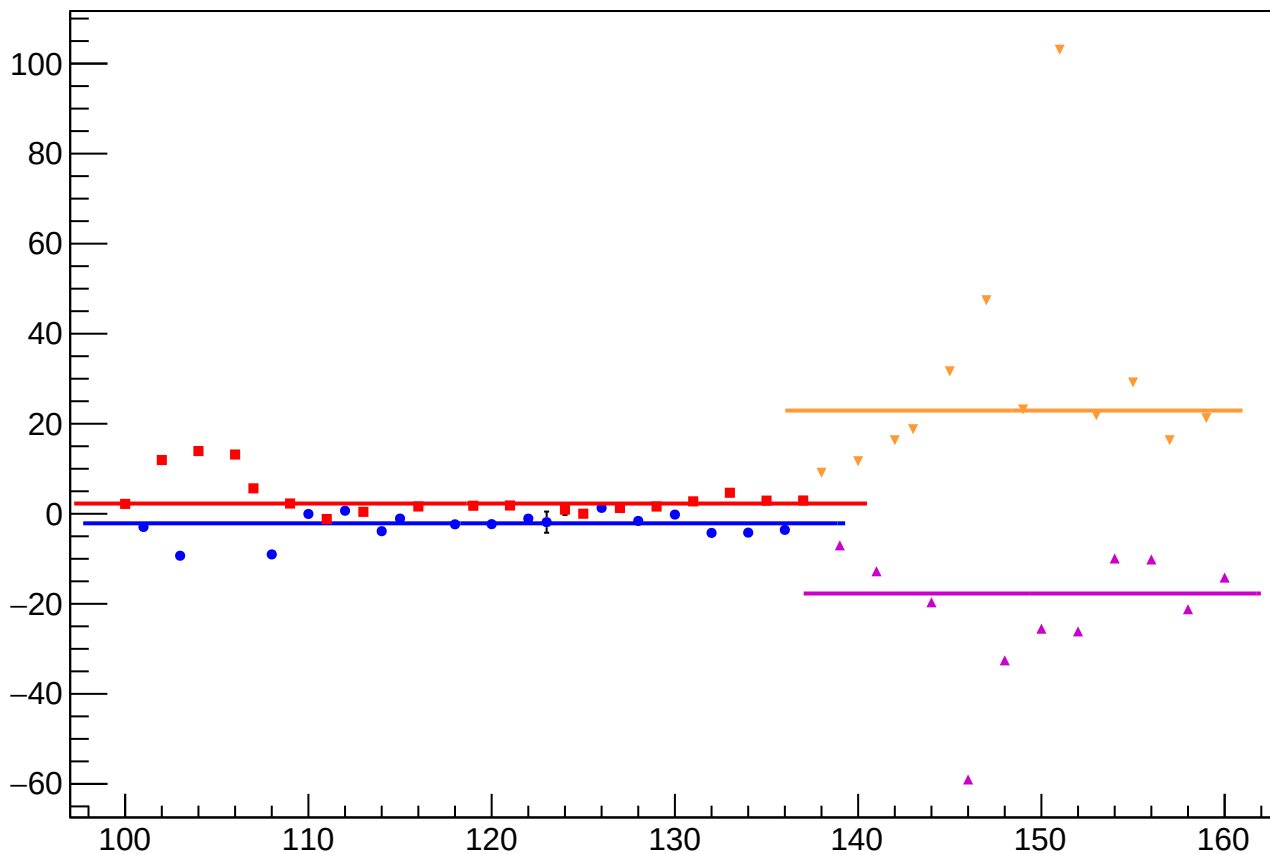
Left In: -1.505 +/- 0.045 χ^2/NDF : 1441.2/10

1.418 +/- 0.041 χ^2/NDF : 2452.6/28

-0.166 +/- 0.027 χ^2/NDF : 7436.1/58

-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 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 22.931 ± 0.075 $\chi^2/\text{NDF}: 45338.8/11$

Right Out: 2.277 ± 0.101 $\chi^2/\text{NDF}: 919.4/18$

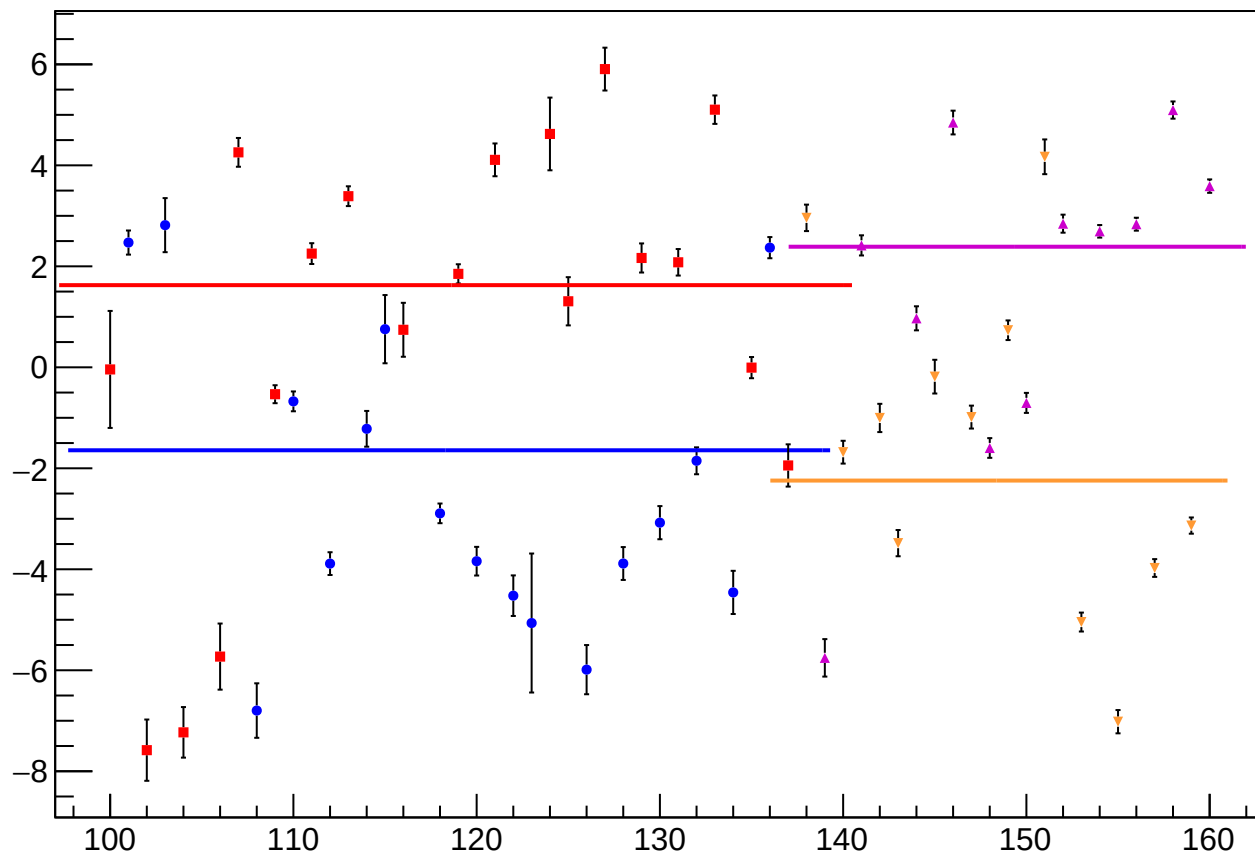
Left In: -17.707 ± 0.063 $\chi^2/\text{NDF}: 33075.3/10$

15.241 ± 0.063 $\chi^2/\text{NDF}: 79702.3/28$

-0.710 ± 0.041 $\chi^2/\text{NDF}: 252913.2/58$

-12.167 ± 0.053 $\chi^2/\text{NDF}: 62269.7/29$

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: -2.243 ± 0.064 $\chi^2/\text{NDF}: 1873.2/11$

Right Out: 1.627 ± 0.067 $\chi^2/\text{NDF}: 1468.1/18$

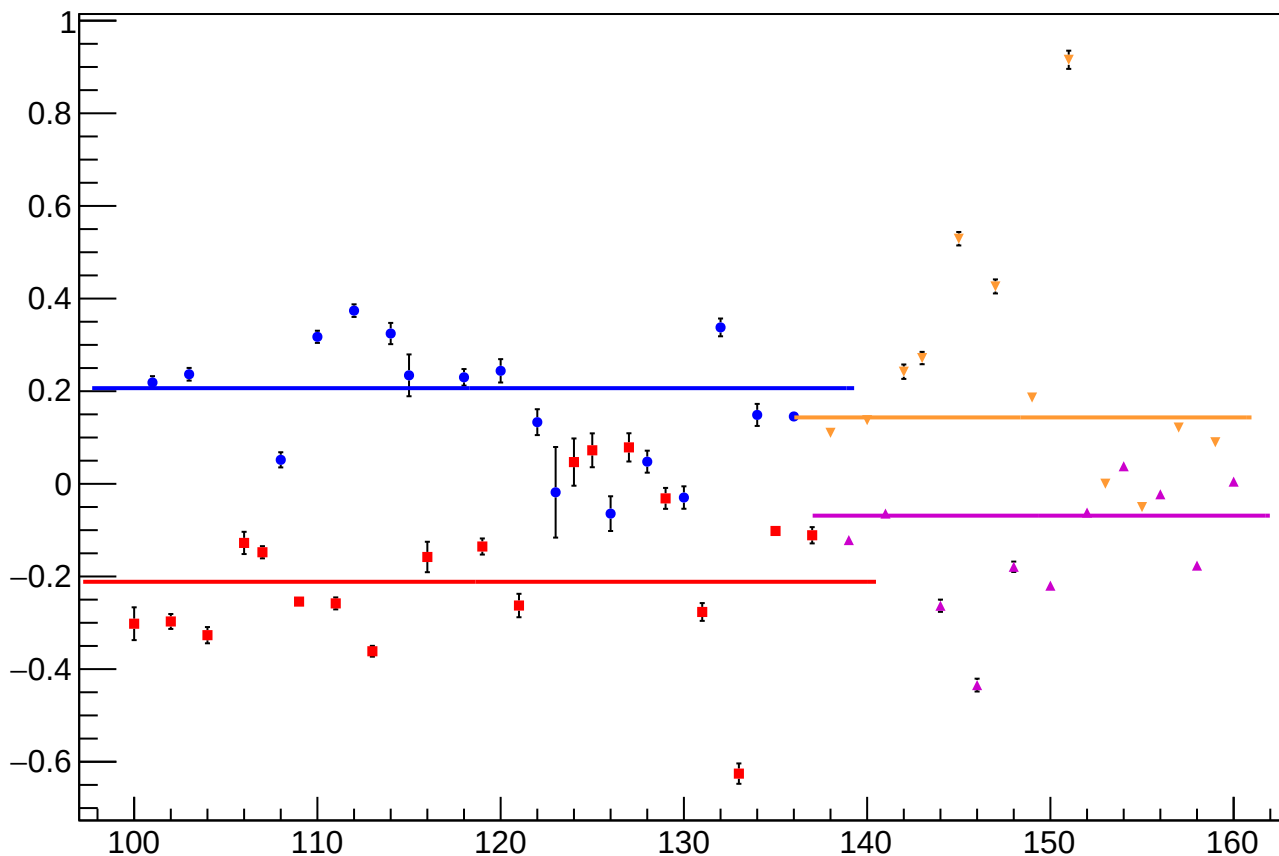
Left In: 2.388 ± 0.052 $\chi^2/\text{NDF}: 1644.8/10$

-1.979 ± 0.048 $\chi^2/\text{NDF}: 3221.7/28$

0.373 ± 0.031 $\chi^2/\text{NDF}: 10581.7/58$

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 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.143 ± 0.003 χ^2/NDF : 3603.1/11

Right Out: -0.211 ± 0.004 χ^2/NDF : 1145.6/18

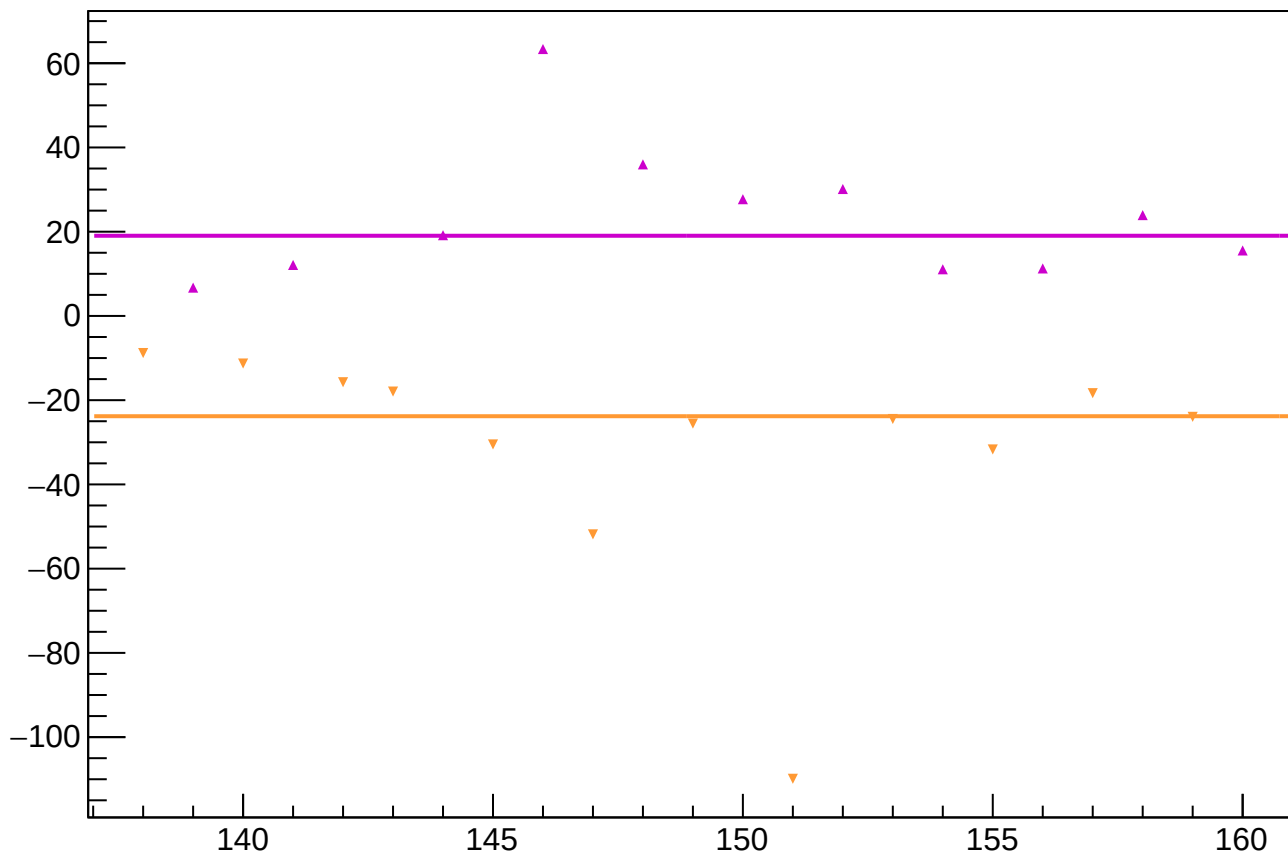
Left In: -0.069 ± 0.002 χ^2/NDF : 2136.8/10

0.163 ± 0.002 χ^2/NDF : 4411.7/28

0.002 ± 0.002 χ^2/NDF : 16514.9/58

-0.107 ± 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: -23.810+/-0.078 χ^2/NDF : 49518.0/11

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

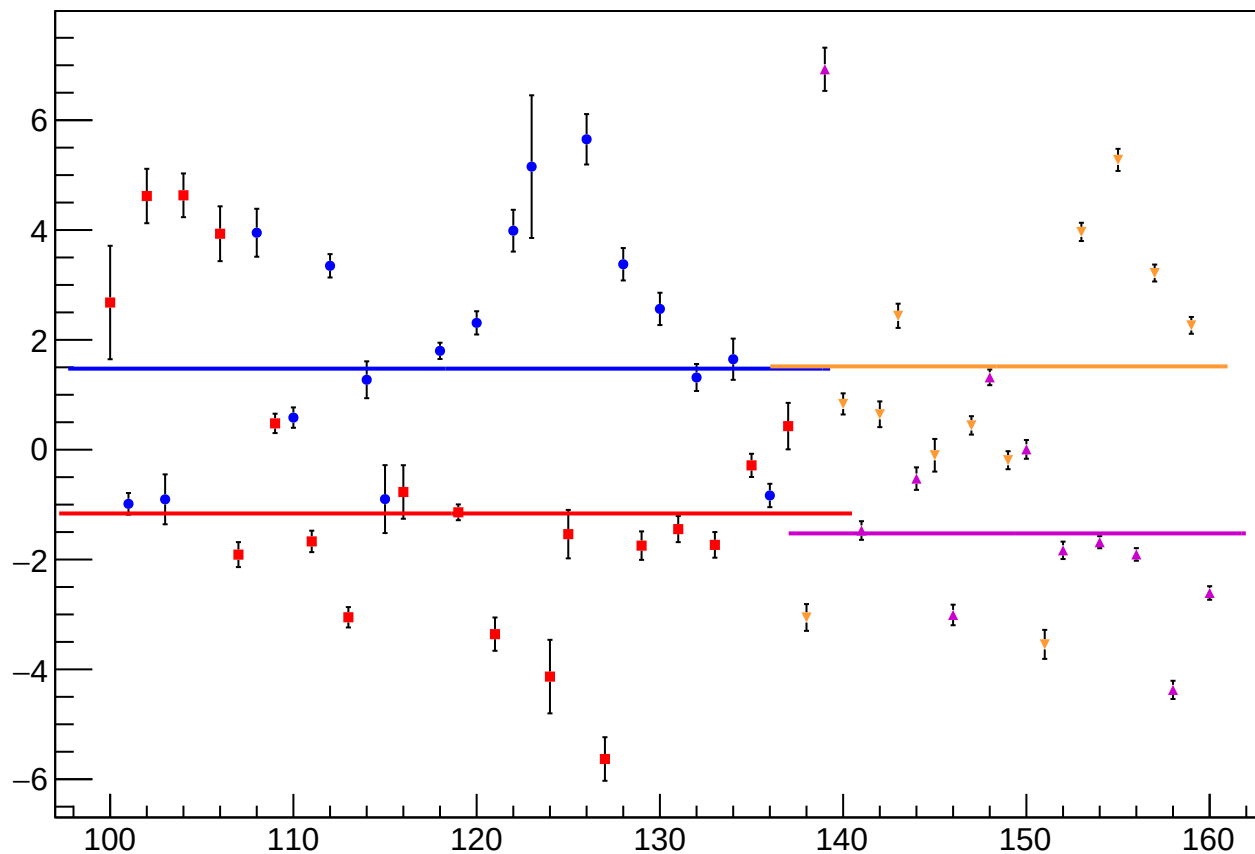
Left In: 19.038+/-0.066 χ^2/NDF : 35415.5/10

-23.810+/-0.078 χ^2/NDF : 49518.0/11

1.015+/-0.051 χ^2/NDF : 259970.1/22

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: 1.517 ± 0.055 χ^2/NDF : 1653.9/11

Right Out: -1.161 ± 0.060 χ^2/NDF : 917.9/18

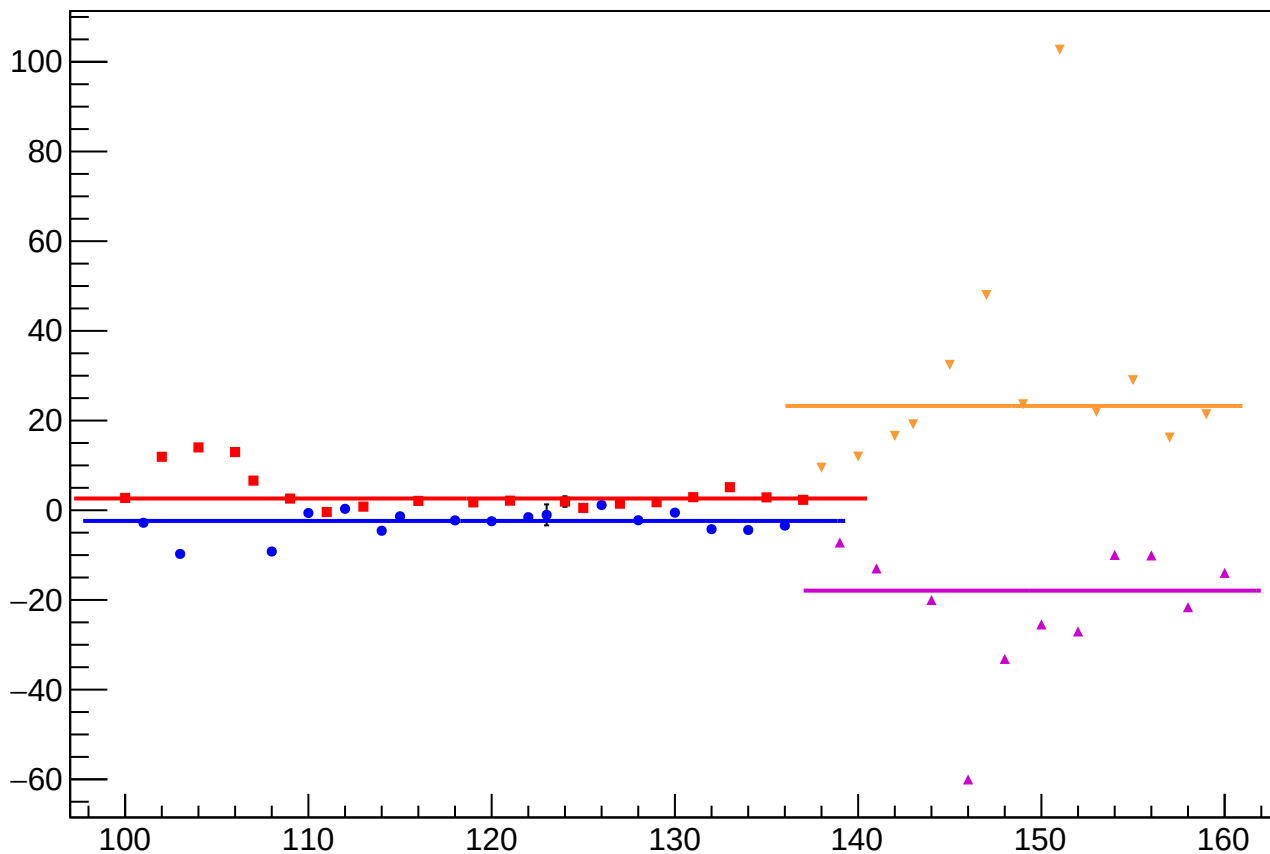
Left In: -1.524 ± 0.046 χ^2/NDF : 1411.8/10

1.499 ± 0.042 χ^2/NDF : 2313.8/28

-0.143 ± 0.027 χ^2/NDF : 7388.6/58

-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 χ^2/NDF : 438.8/16

Left Out: 23.257±/0.076 χ^2/NDF : 44822.7/11

Right Out: 2.623±/0.103 χ^2/NDF : 841.3/18

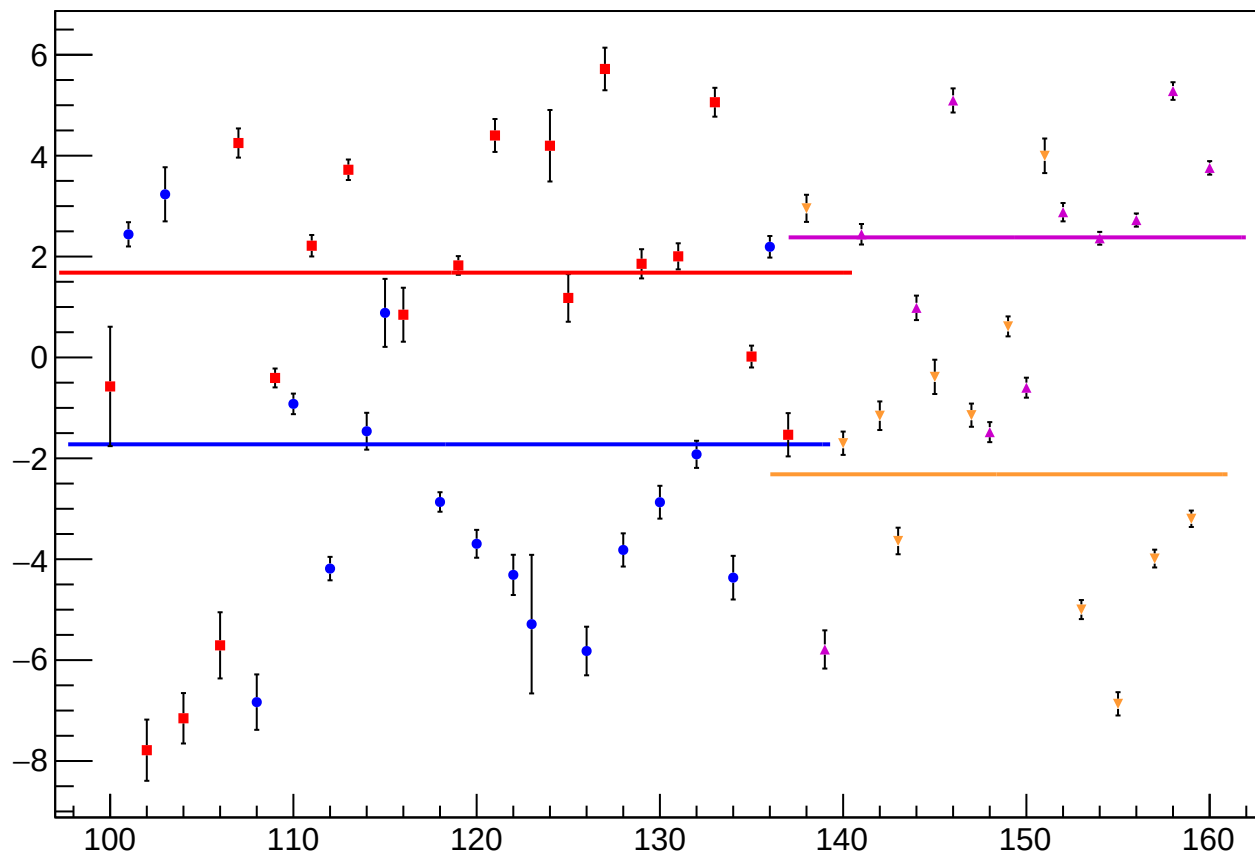
Left In: -17.925±/0.064 χ^2/NDF : 33517.2/10

15.415±/0.064 χ^2/NDF : 79740.1/28

-0.634±/0.041 χ^2/NDF : 252585.3/58

-12.270±/0.054 χ^2/NDF : 63060.8/29

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 $\chi^2/\text{NDF}: 1247.6/16$

Left Out: -2.316 ± 0.065 $\chi^2/\text{NDF}: 1759.1/11$

Right Out: 1.681 ± 0.068 $\chi^2/\text{NDF}: 1431.0/18$

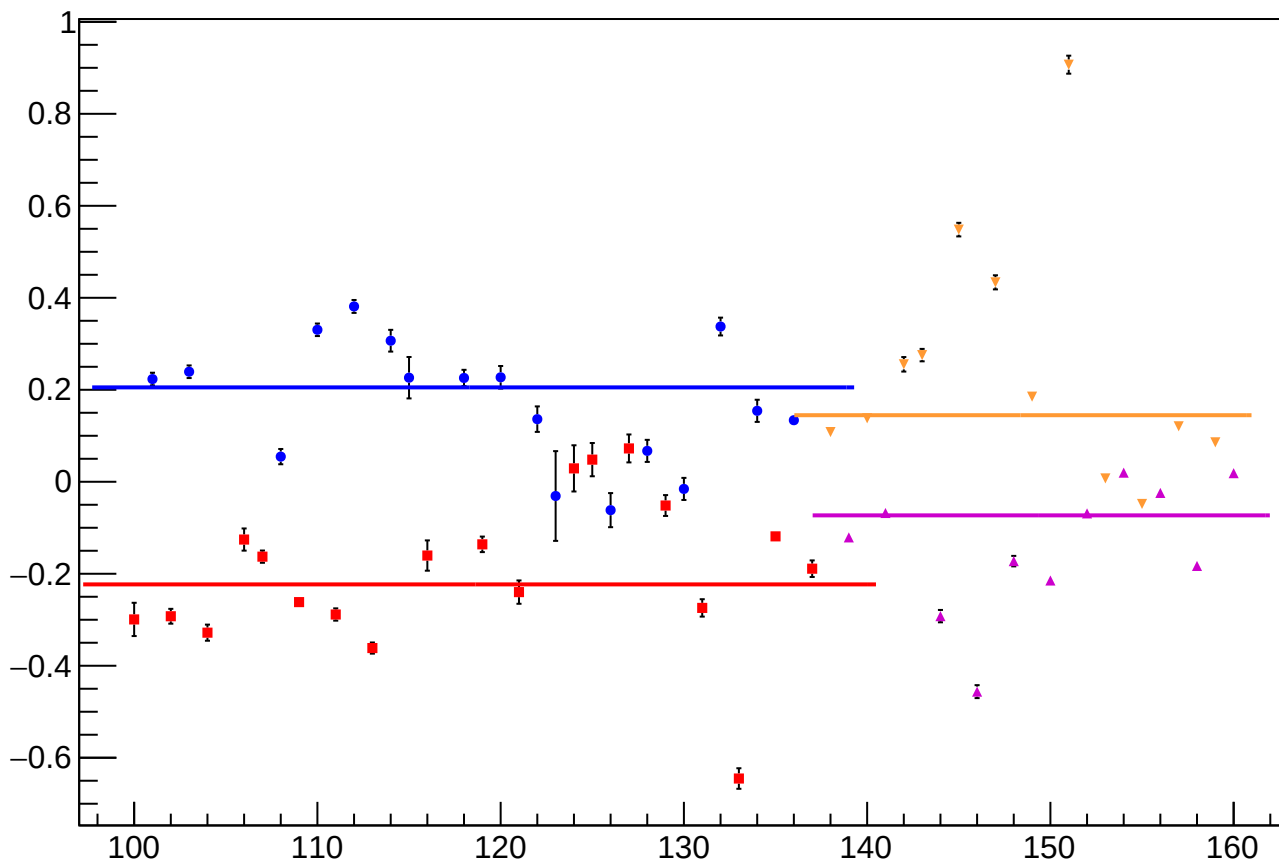
Left In: 2.380 ± 0.053 $\chi^2/\text{NDF}: 1627.0/10$

-2.055 ± 0.049 $\chi^2/\text{NDF}: 3043.7/28$

0.339 ± 0.032 $\chi^2/\text{NDF}: 10408.2/58$

2.116 ± 0.042 $\chi^2/\text{NDF}: 3123.9/29$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.145 ± 0.003 χ^2/NDF : 3609.5/11

Right Out: -0.223 ± 0.004 χ^2/NDF : 1040.5/18

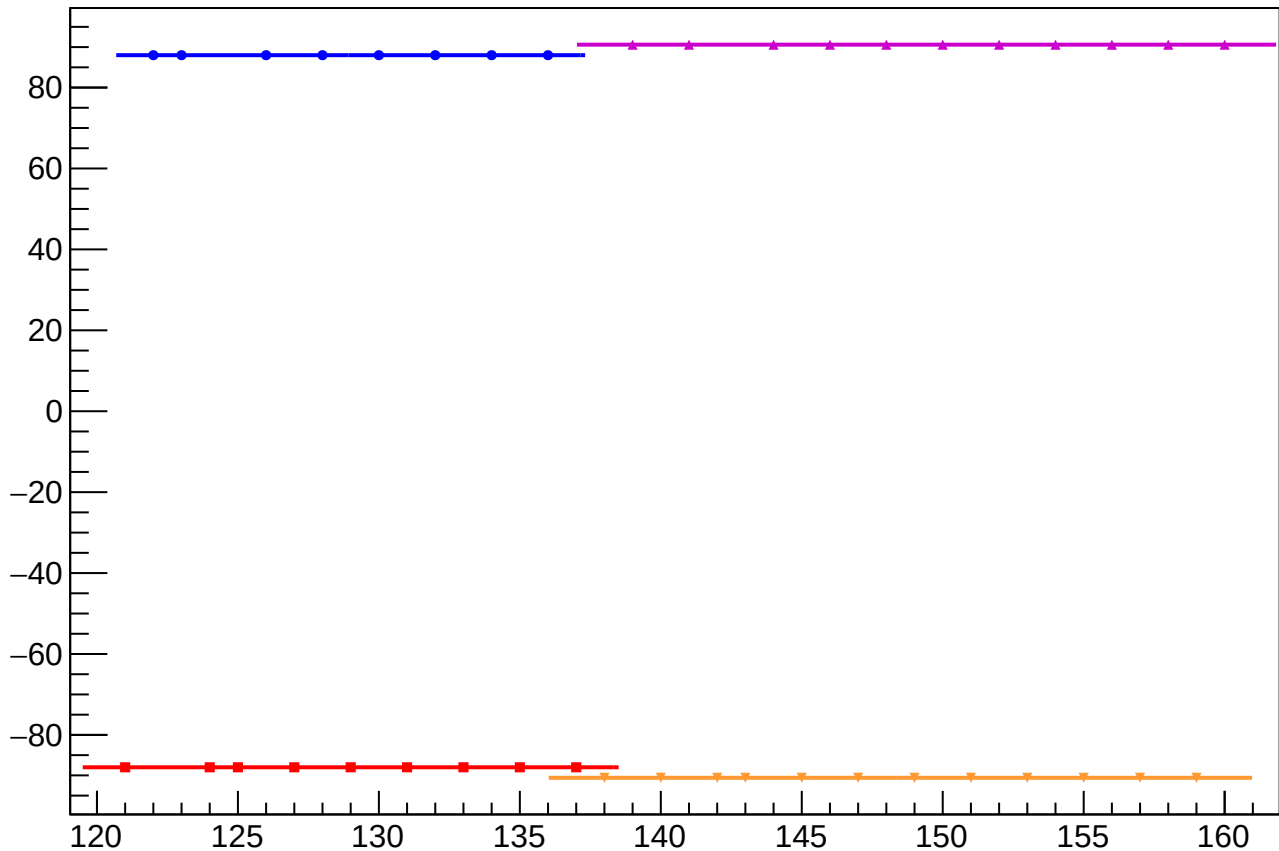
Left In: -0.073 ± 0.002 χ^2/NDF : 2131.3/10

0.164 ± 0.002 χ^2/NDF : 4397.4/28

-0.000 ± 0.002 χ^2/NDF : 16604.2/58

-0.113 ± 0.002 χ^2/NDF : 4290.8/29

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2/NDF : 3719687.4/11

Right Out: -88.001 $\pm$ 0.000 χ^2/NDF : 109456.0/8

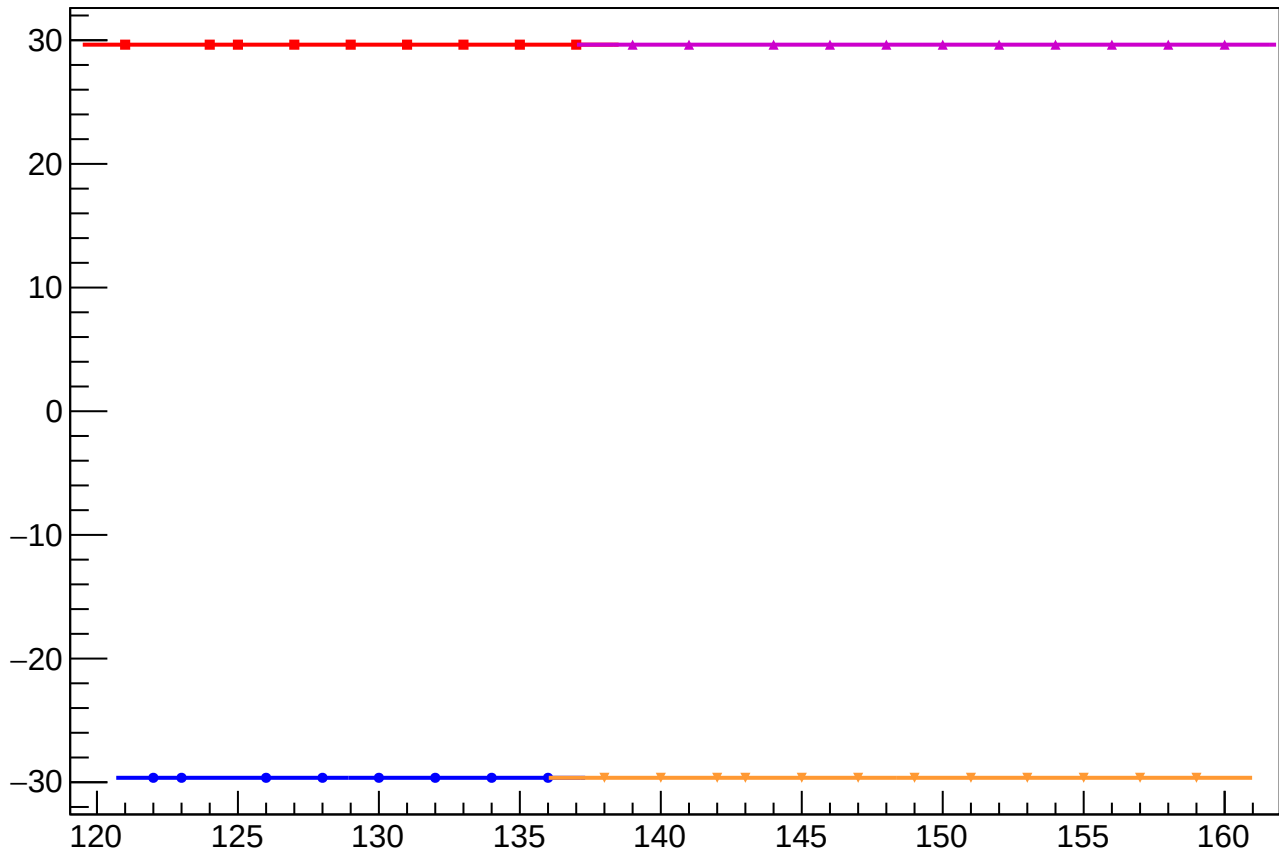
Left In: 90.599 $\pm$ 0.000 χ^2/NDF : 579793.8/10

-42.352 $\pm$ 0.000 χ^2/NDF : 79620936363980950

1.021 $\pm$ 0.000 χ^2/NDF : 20334307704296

44.984 $\pm$ 0.000 χ^2/NDF : 75765955109687618

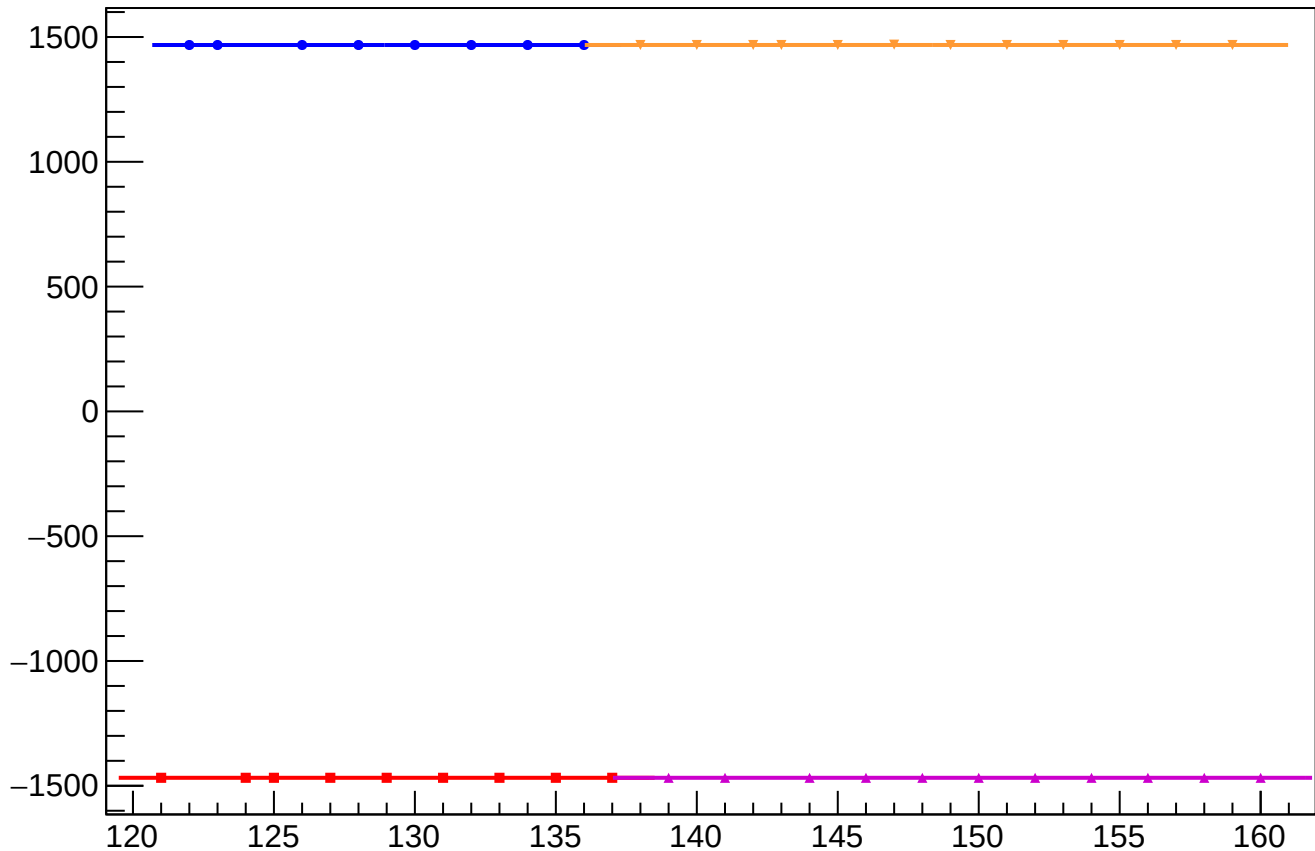
HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641 $\pm$ 0.000 χ^2 /NDF: 405045.4/7
Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF:198300.7/11
Right Out: 29.641 $\pm$ 0.000 χ^2 /NDF: 29358.2/8
Left In: 29.641 $\pm$ 0.000 χ^2 /NDF:26556.2/10

-29.641 $\pm$ 0.000 χ^2 /NDF: 1090369.9/19
-0.200 $\pm$ 0.000 χ^2 /NDF: 2209505816489
29.641 $\pm$ 0.000 χ^2 /NDF: 1549322.8/19

psub_pl_pos_mean vs Slug, Sign Corrected



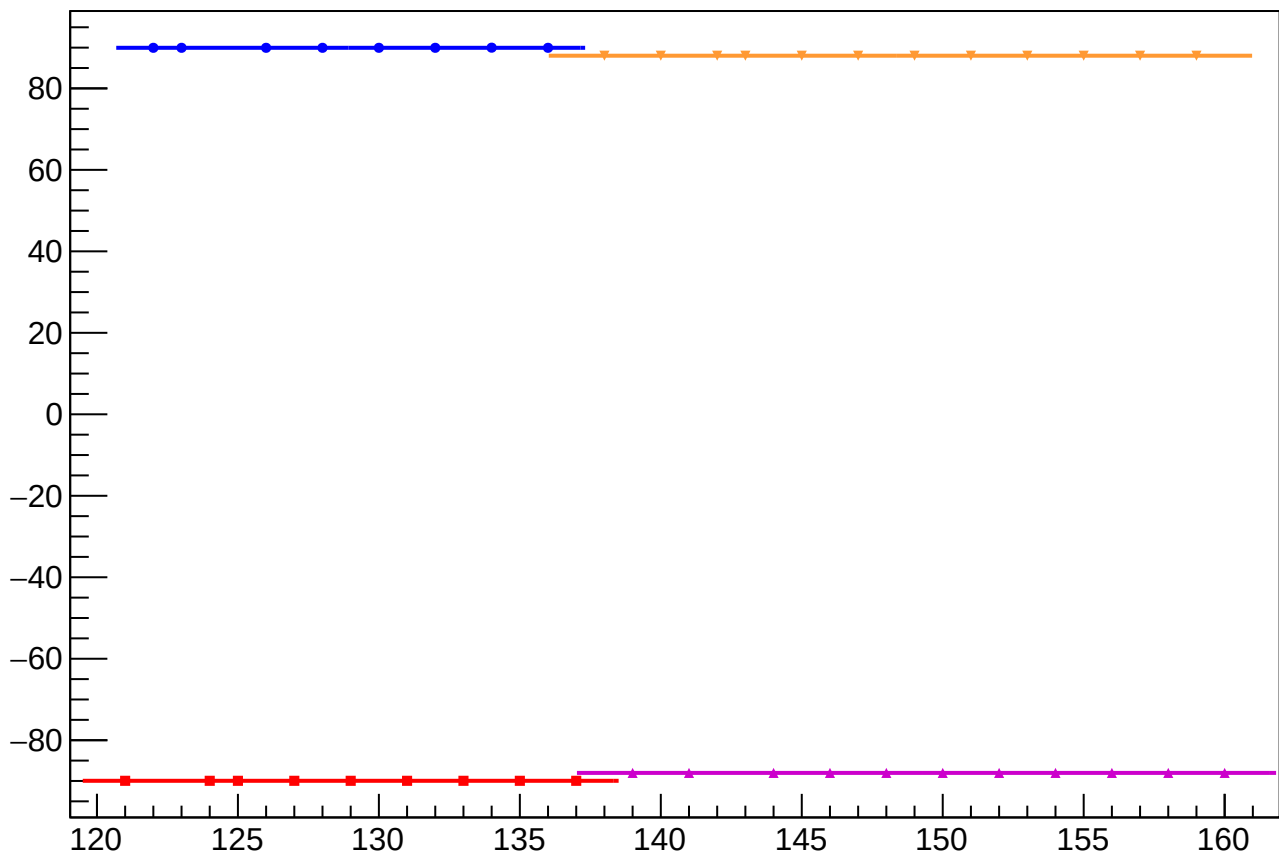
Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.100+/-0.000 χ^2/NDF : 123122523995989357945833520103424.0/11

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 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 3066788.3/11

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

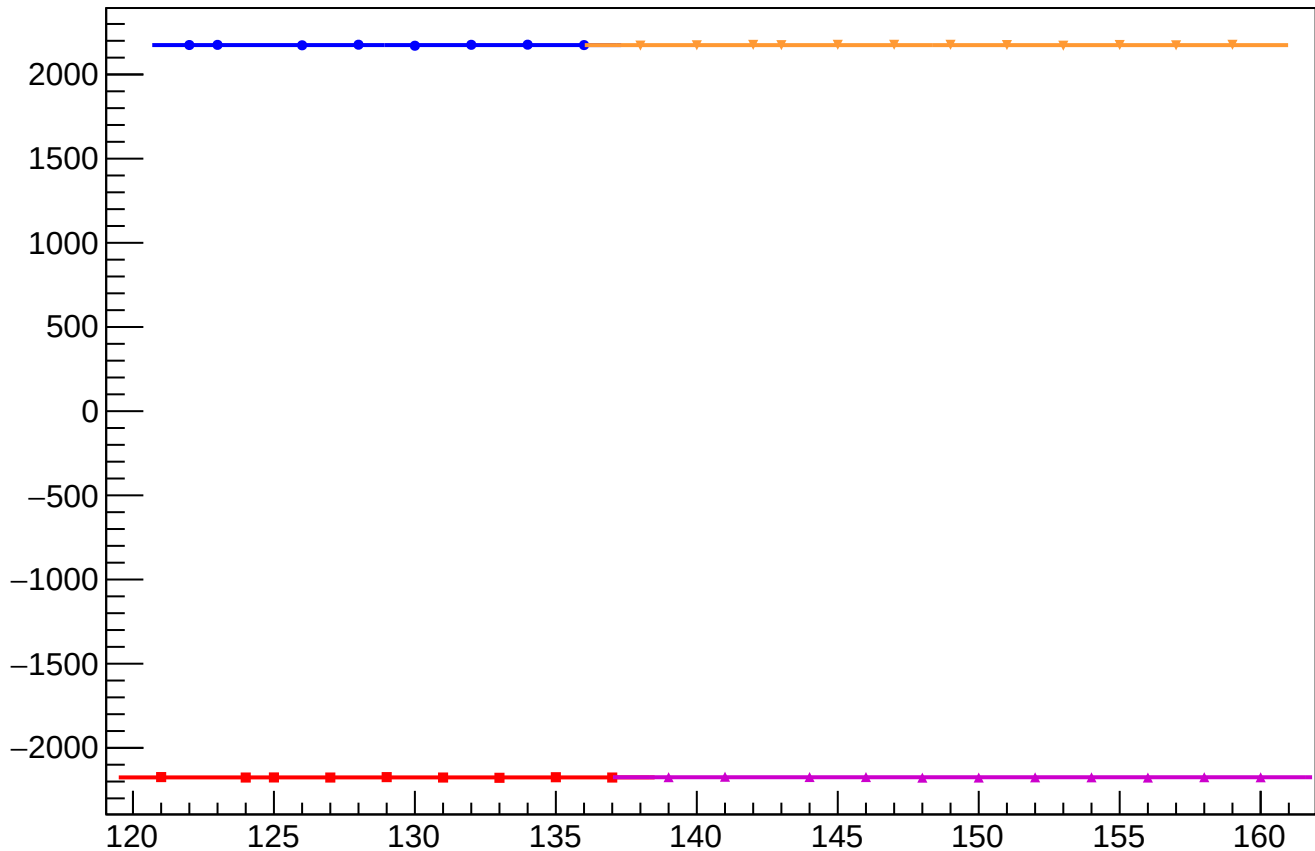
Left In: -88.021+/-0.000 χ^2/NDF : 507698.3/10

88.545+/-0.000 χ^2/NDF : 940062441015721014

0.613+/-0.000 χ^2/NDF : 19712570452555

-88.516+/-0.000 χ^2/NDF : 89265740031156603

HALLA_p_mean vs Slug, Sign Corrected



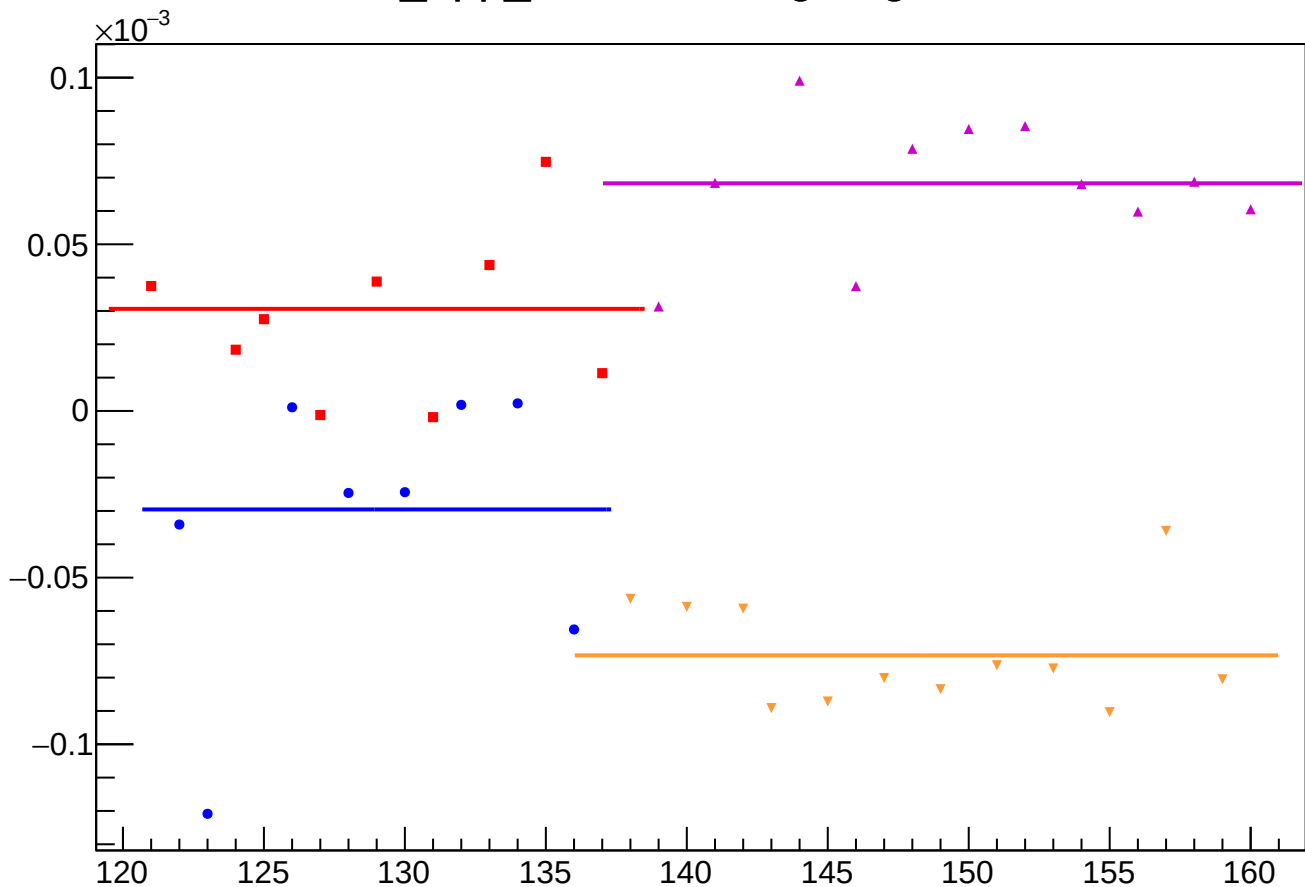
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.325 $\pm$ 0.000 χ^2 /NDF: 3143019833291741745158110849269760.0/11

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

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000 ± 0.000 χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000 ± 0.000 χ^2/NDF : 233286793390563920969728.0/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 196732771178766734983168.0/8

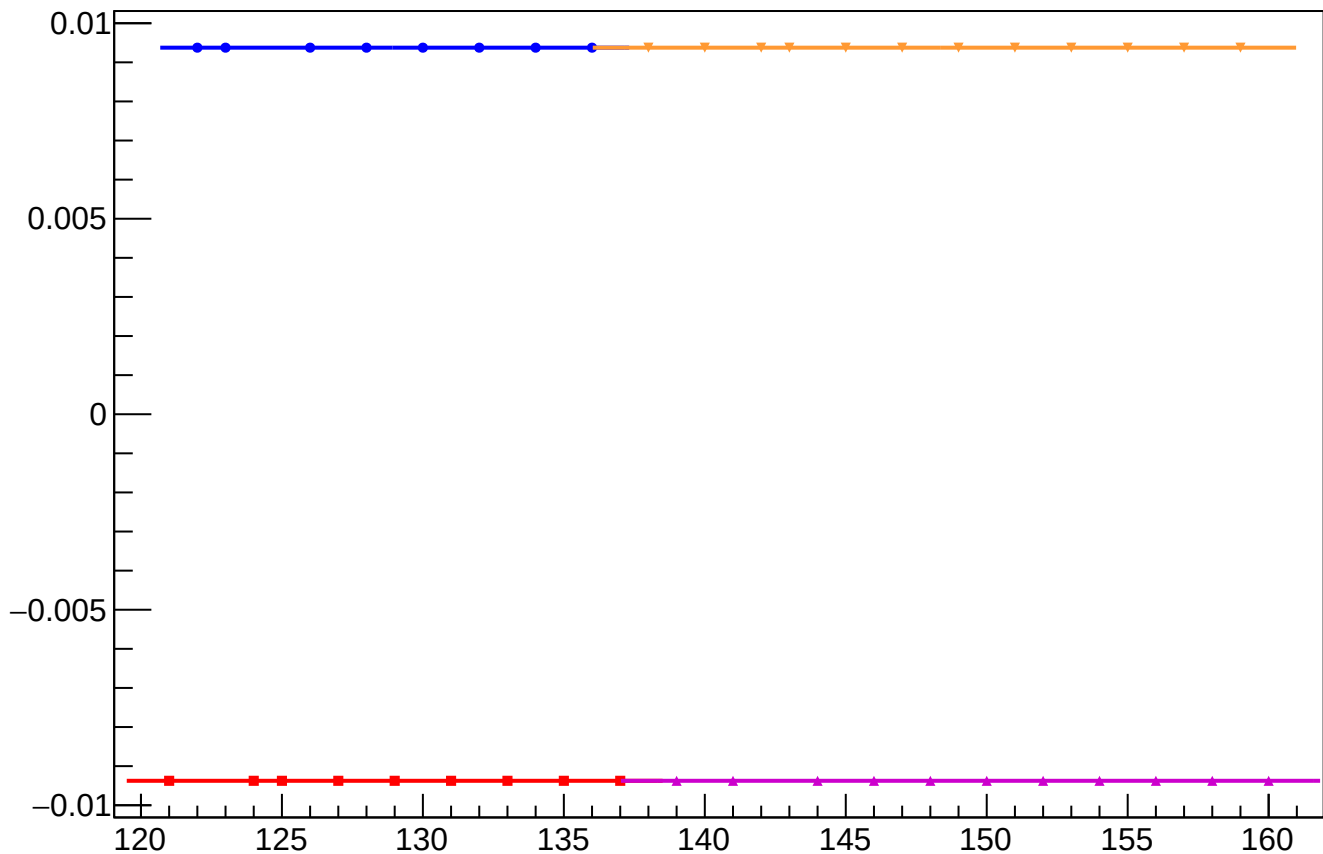
Left In: 0.000 ± 0.000 χ^2/NDF : 334112562315738610663424.0/10

-0.000 ± 0.000 χ^2/NDF : 962072274271148837

-0.000 ± 0.000 χ^2/NDF : 10910143750428

0.000 ± 0.000 χ^2/NDF : 8677092701583420025

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/11

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

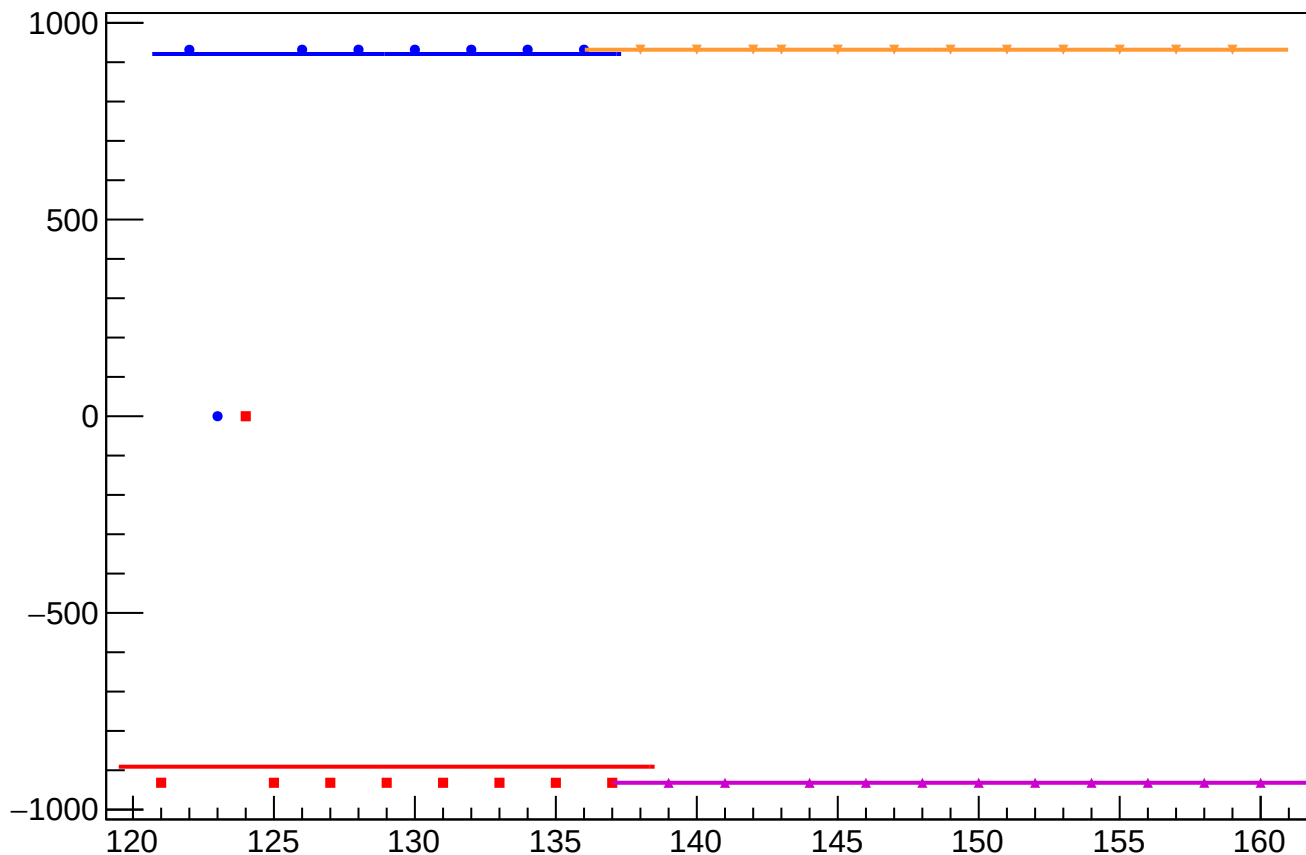
Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/10

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/19

0.000 $\pm$ 0.000 χ^2 /NDF: 22103482231610

-0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/19

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



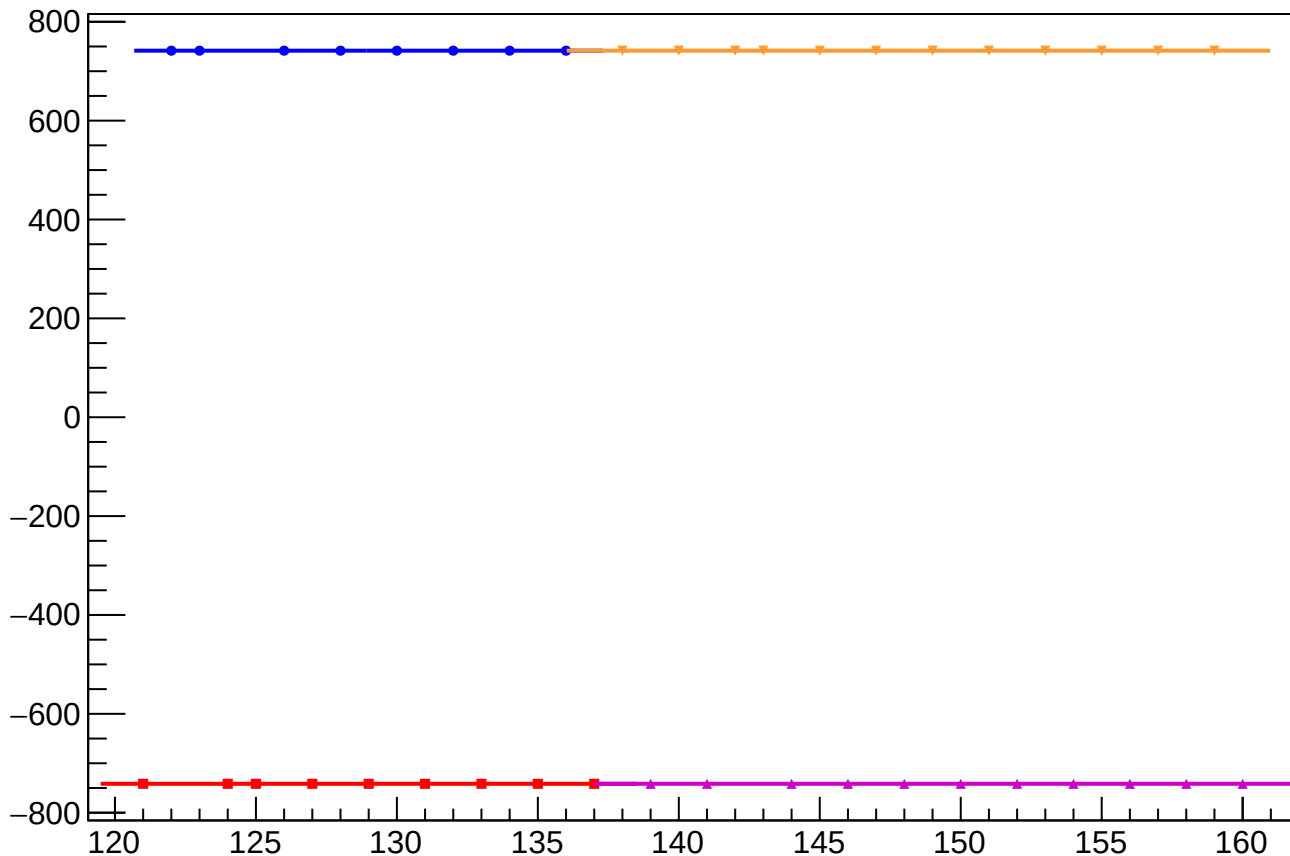
Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.786+/-0.000 χ^2/NDF : 3813823656937081946918271057920.0/11

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



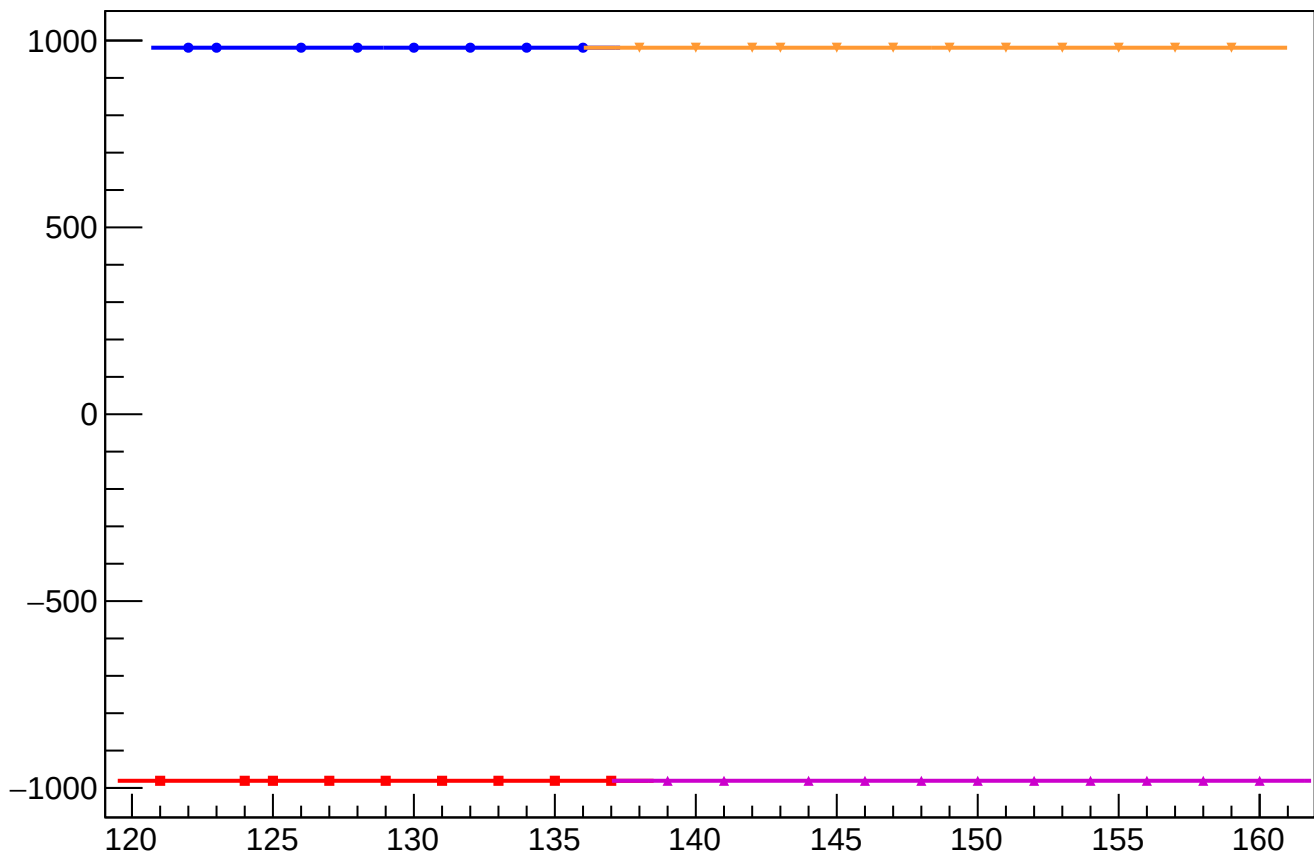
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.519+/-0.000 χ^2/NDF : 91310701472617275213771440128.0/11

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Left In: -741.518+/-0.000 χ^2/NDF : 86406261515950598750822465536.0/10

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



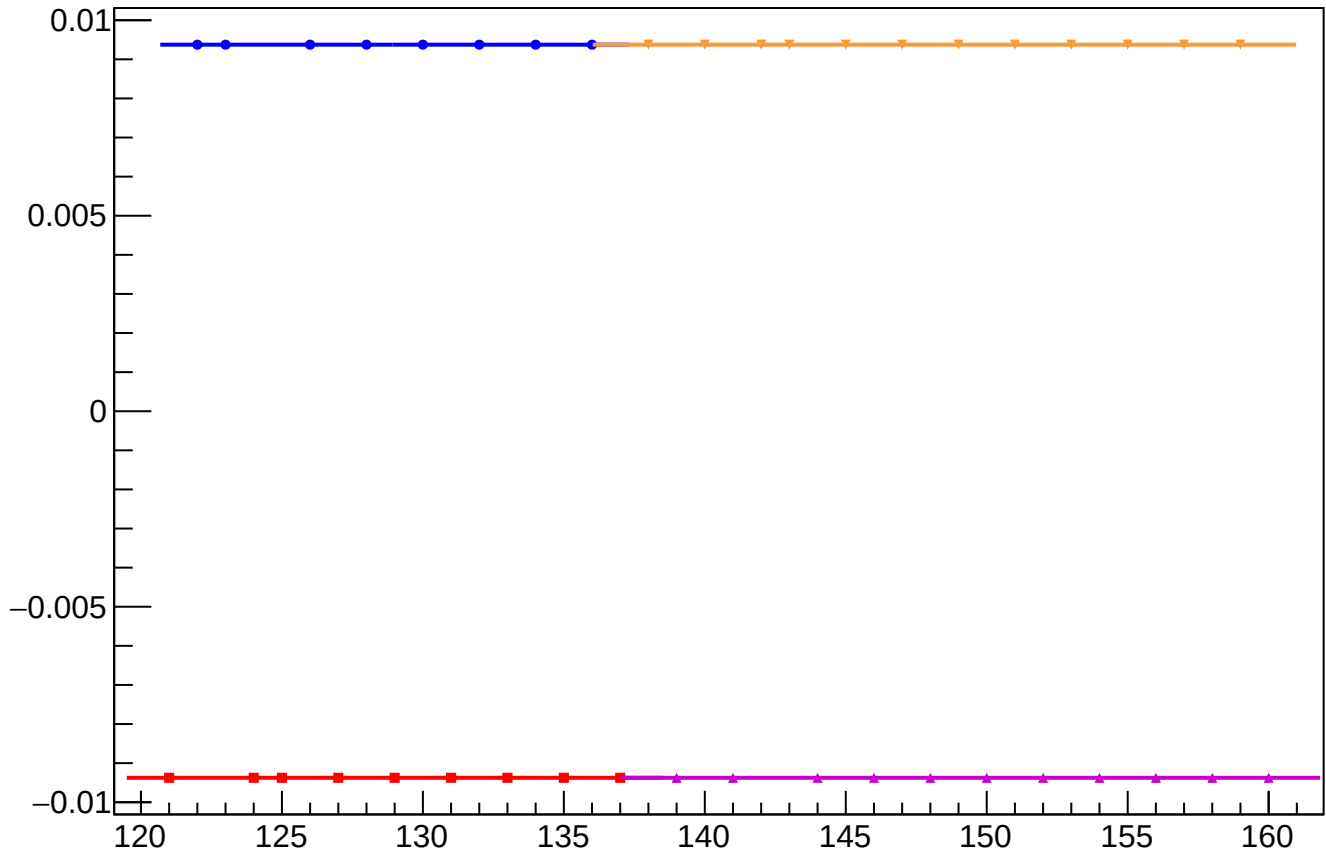
Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.774+/-0.000 χ^2/NDF : 543209948843266291248744366080.0/11

Right Out: -980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: -980.785+/-0.000 χ^2/NDF : 1087775745028858896175278850048.0/10

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/11

Right Out: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

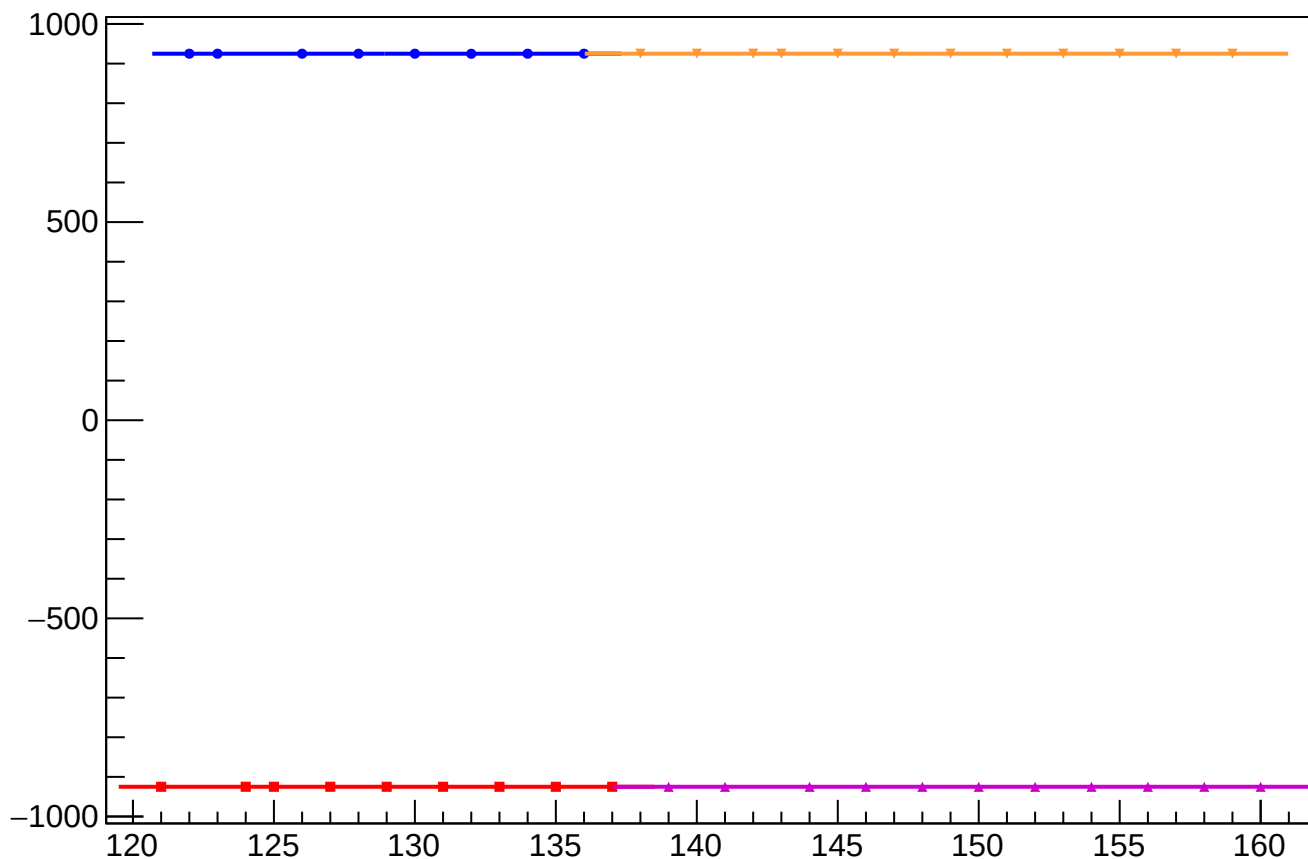
Left In: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/10

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/19

0.000 $\pm$ 0.000 χ^2/NDF : 22103482231610

-0.009 $\pm$ 0.000 χ^2/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: 924.993 +/- 0.000 χ^2/NDF : 549443129840138855100528459776.0/11

Right Out: -924.957 +/- 0.000 χ^2/NDF : 71808709366506786060310151168.0/8

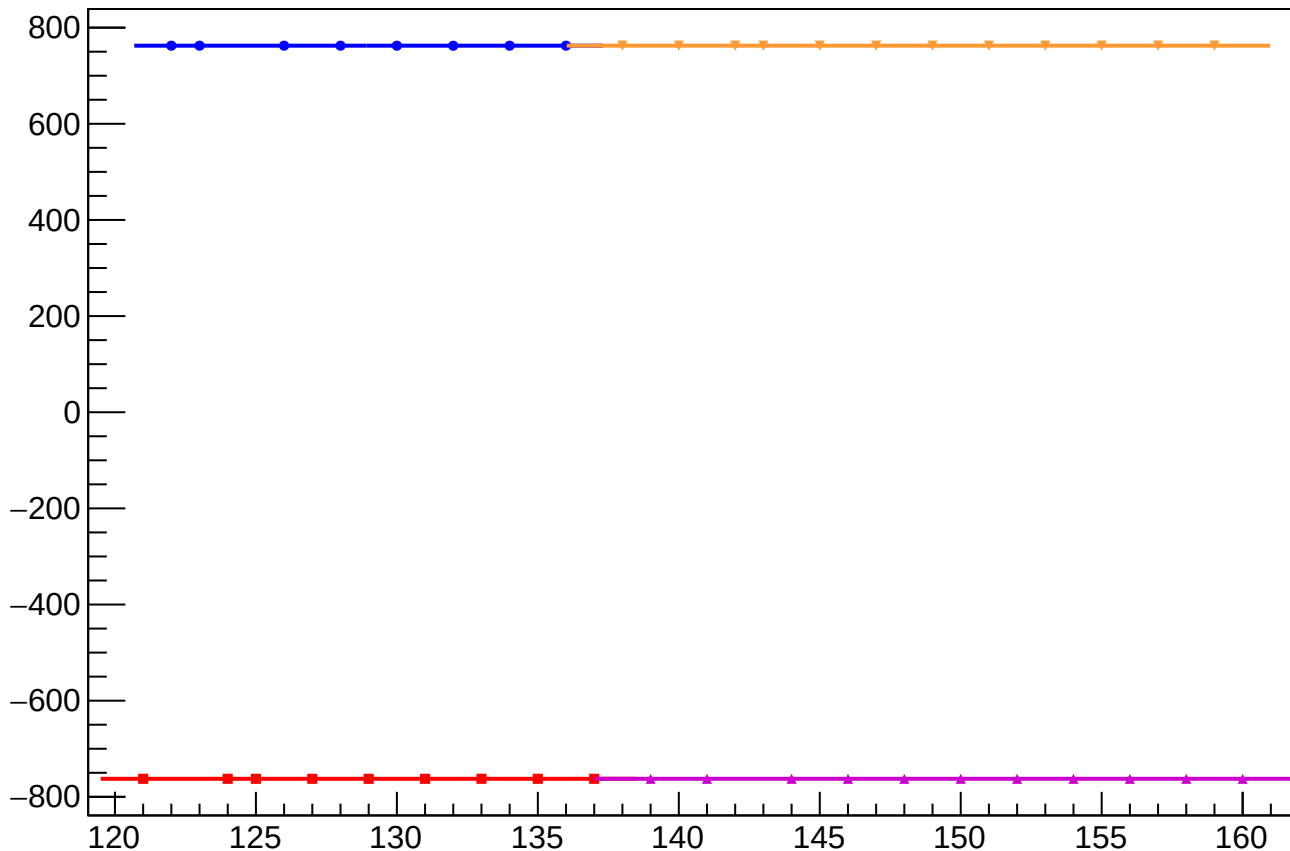
Left In: -924.993 +/- 0.000 χ^2/NDF : 506919503918362546976086556672.0/10

924.979 +/- 0.000 χ^2/NDF : 26741243866187667

6.250 +/- 0.000 χ^2/NDF : 21517112444992

-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

Left Out: 762.500+/-0.000 χ^2/NDF : 79688451514806626221874479104.0/11

Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

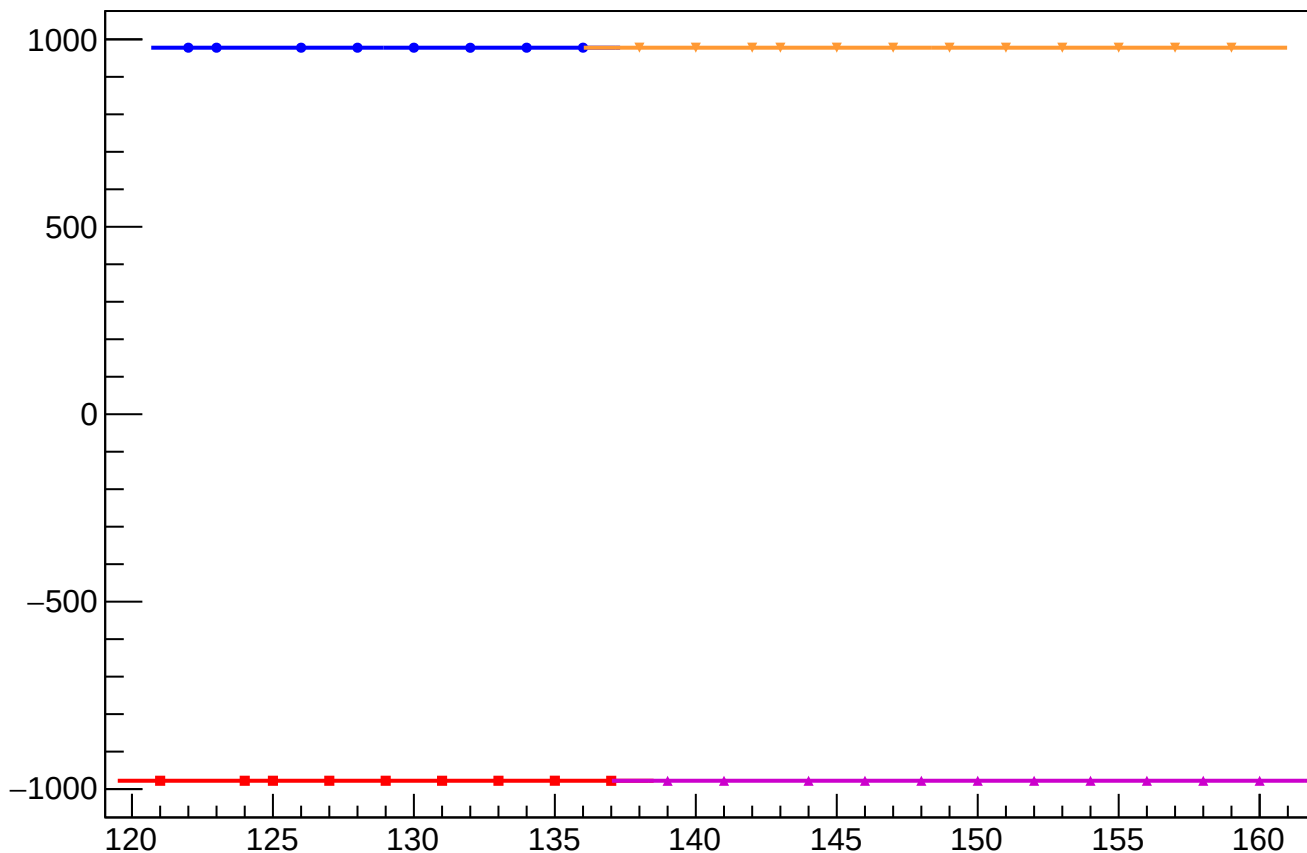
Left In: -762.502+/-0.000 χ^2/NDF : 62257991630181893971424313344.0/10

762.495+/-0.000 χ^2/NDF : 93005886270097854

5.151+/-0.000 χ^2/NDF : 14621644283379

-762.502+/-0.000 χ^2/NDF : 6283459929760896

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.748+/-0.000 χ^2/NDF : 910243424253634517896863416320.0/11

Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

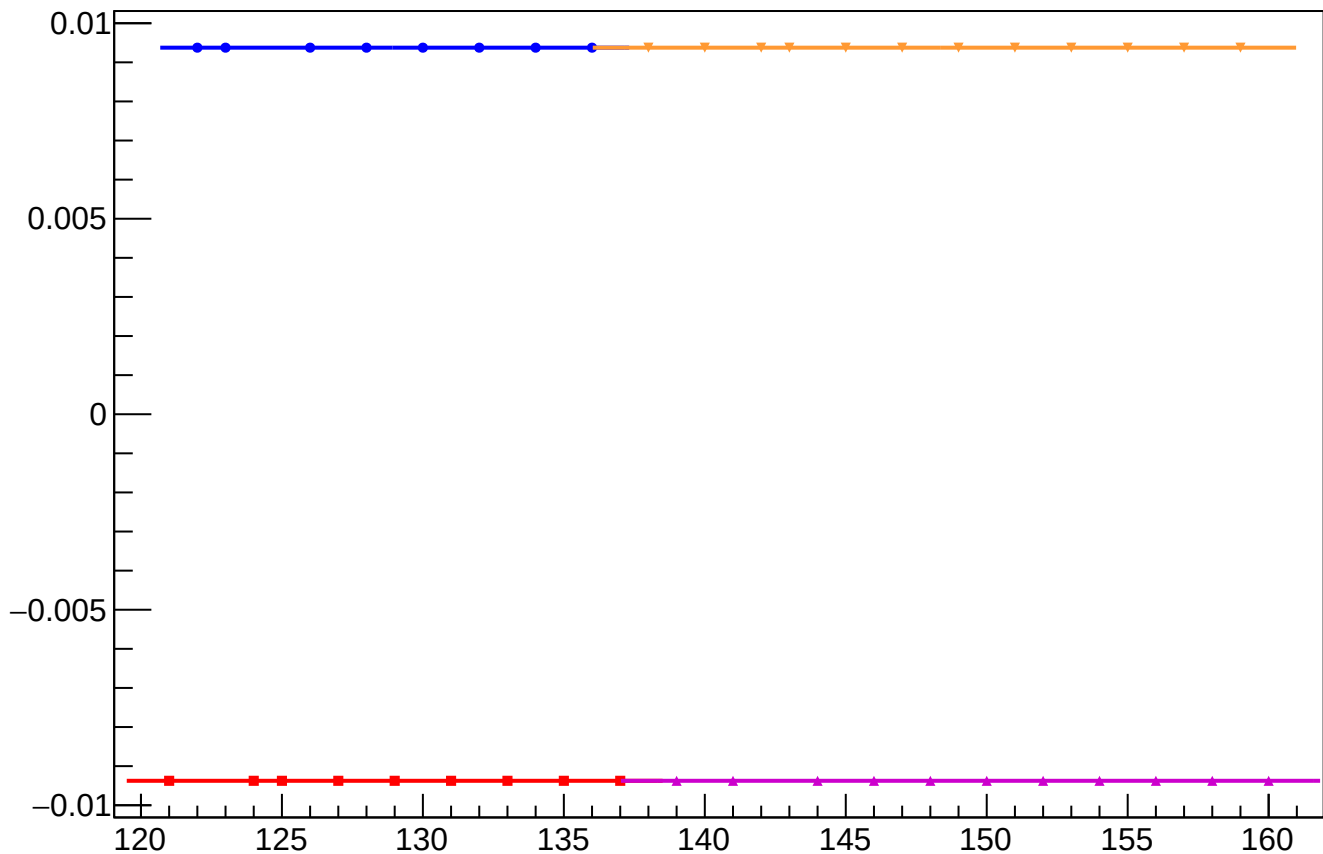
Left In: -977.742+/-0.000 χ^2/NDF : 832245318048187459212006129664.0/10

977.746+/-0.000 χ^2/NDF : 26601743234024613

6.612+/-0.000 χ^2/NDF : 24041844739327

-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 : 0.0/11

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

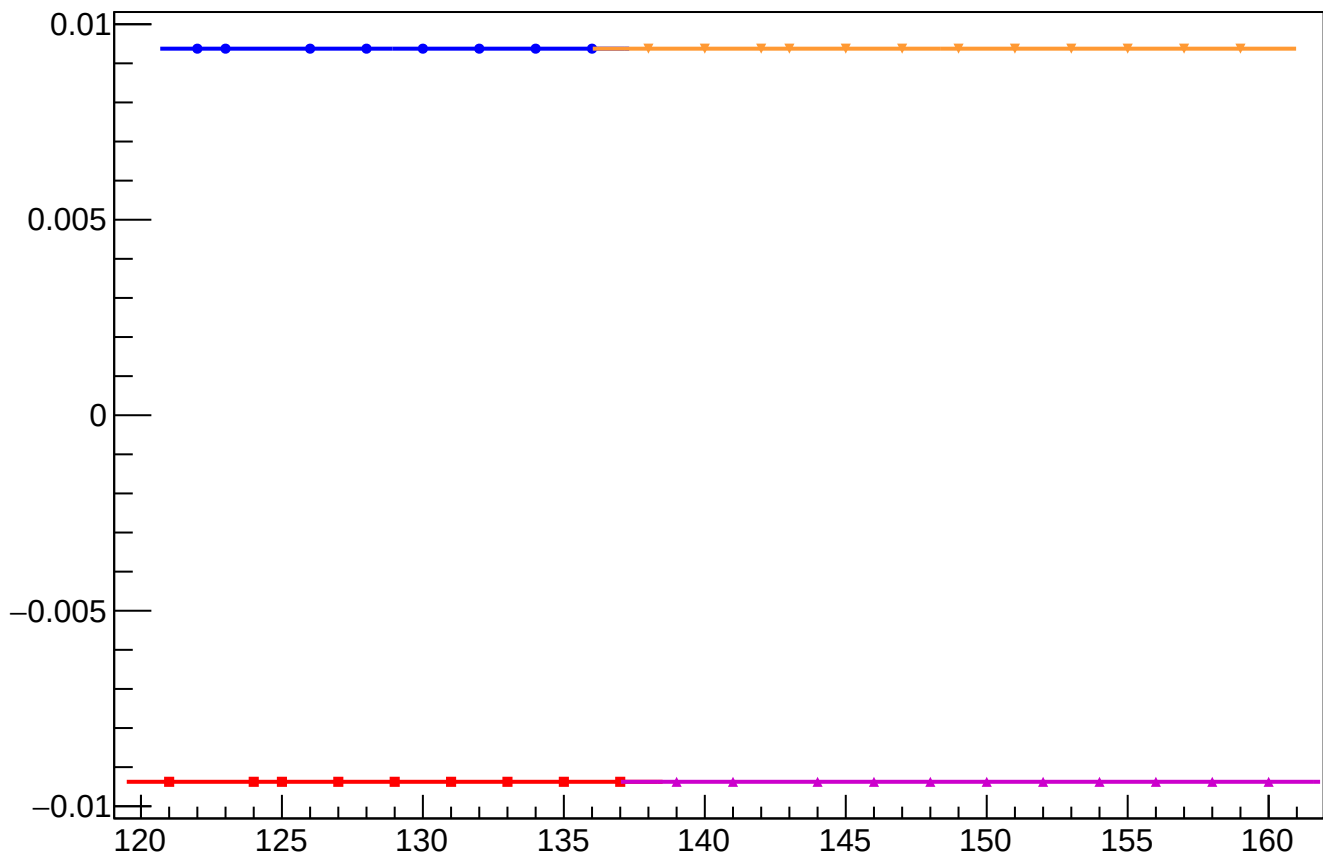
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/10

0.009+/-0.000 χ^2/NDF : 0.1/19

0.000+/-0.000 χ^2/NDF : 22103482231610

-0.009+/-0.000 χ^2/NDF : 0.1/19

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/11$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

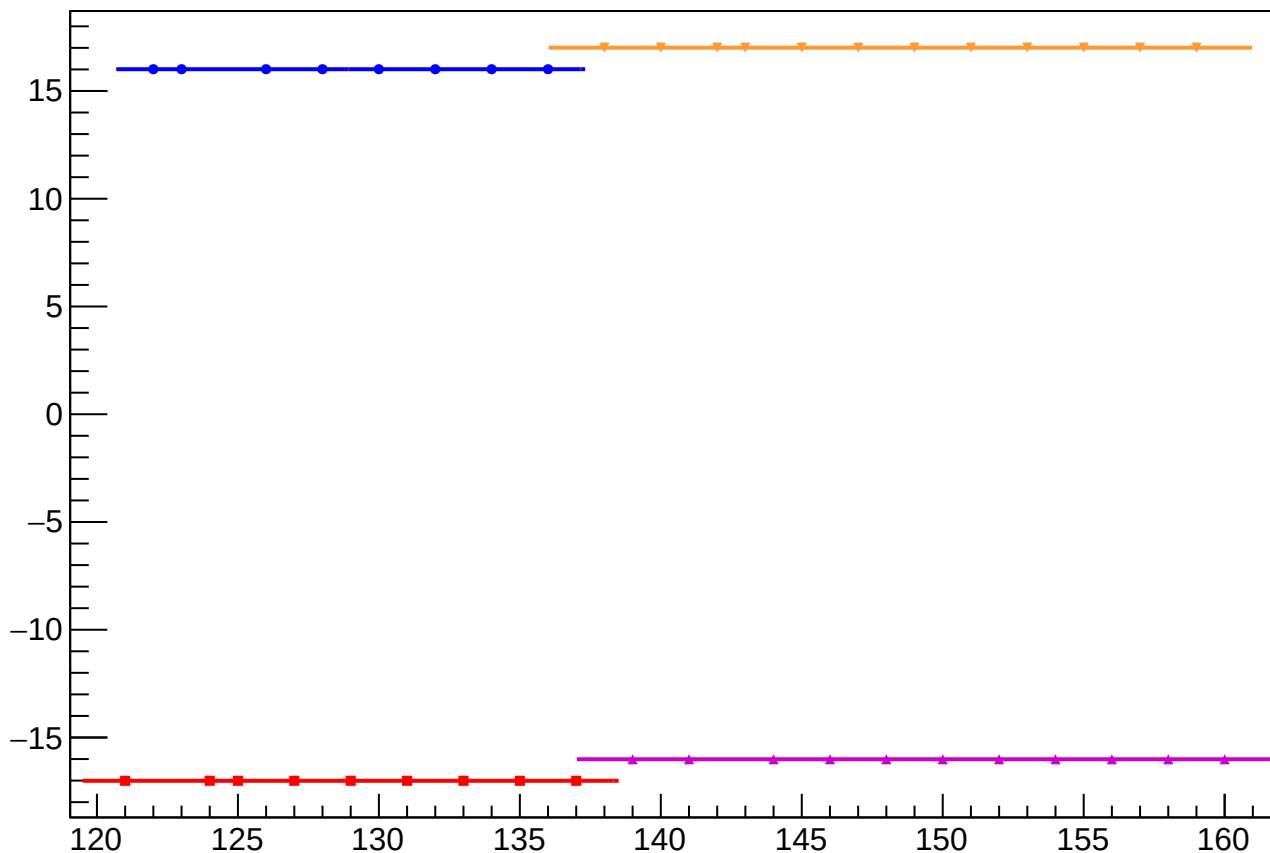
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/10$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/19$

0.009 ± 0.000 $\chi^2/\text{NDF}: 22103482231610$

-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/19$

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: 10208307372129150314741760.0/11

Right Out: -17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

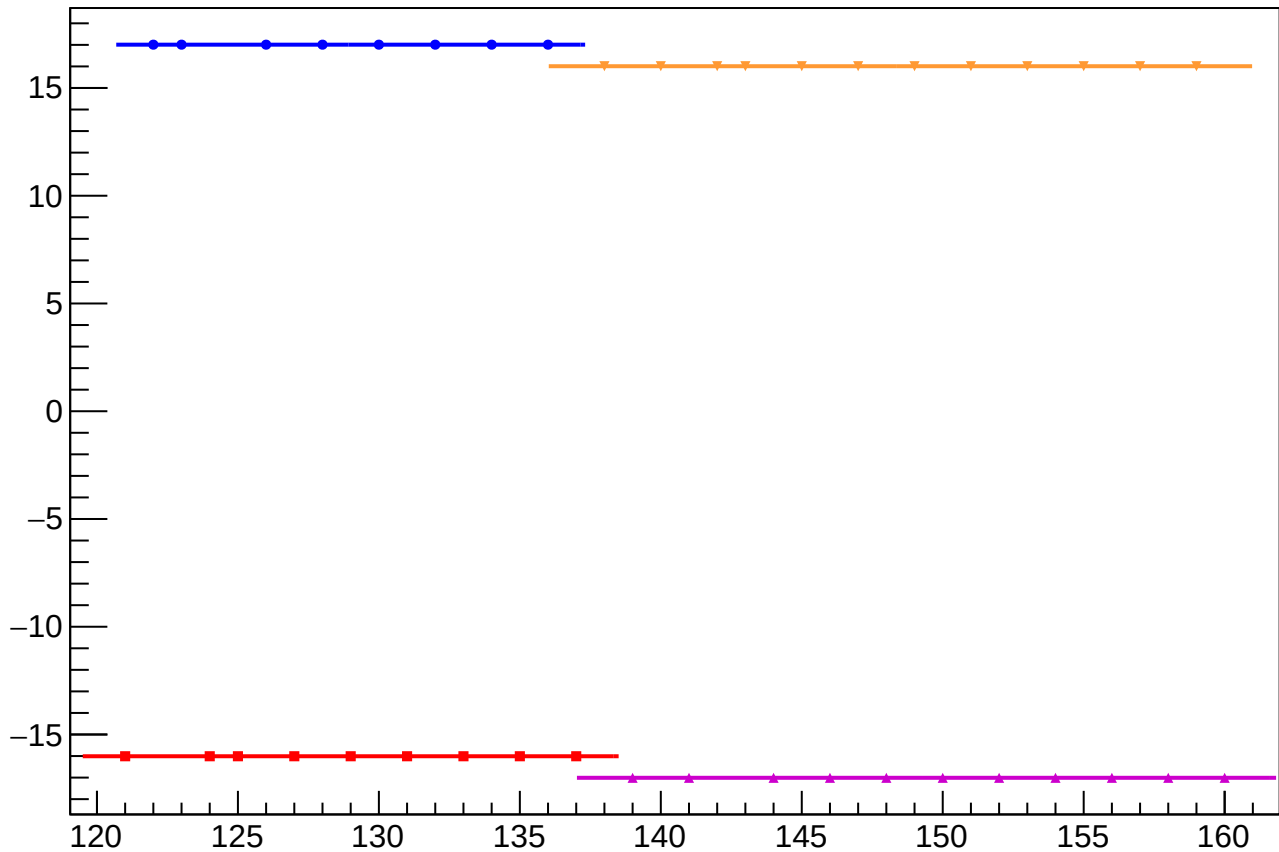
Left In: -16.009 $\pm$ 0.000 χ^2 /NDF: 32551.6/10

16.733 $\pm$ 0.000 χ^2 /NDF: 228489529718113967

0.005 $\pm$ 0.000 χ^2 /NDF: 63083035470904

-16.267 $\pm$ 0.000 χ^2 /NDF: 22425312142162716

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 39821.7/11

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

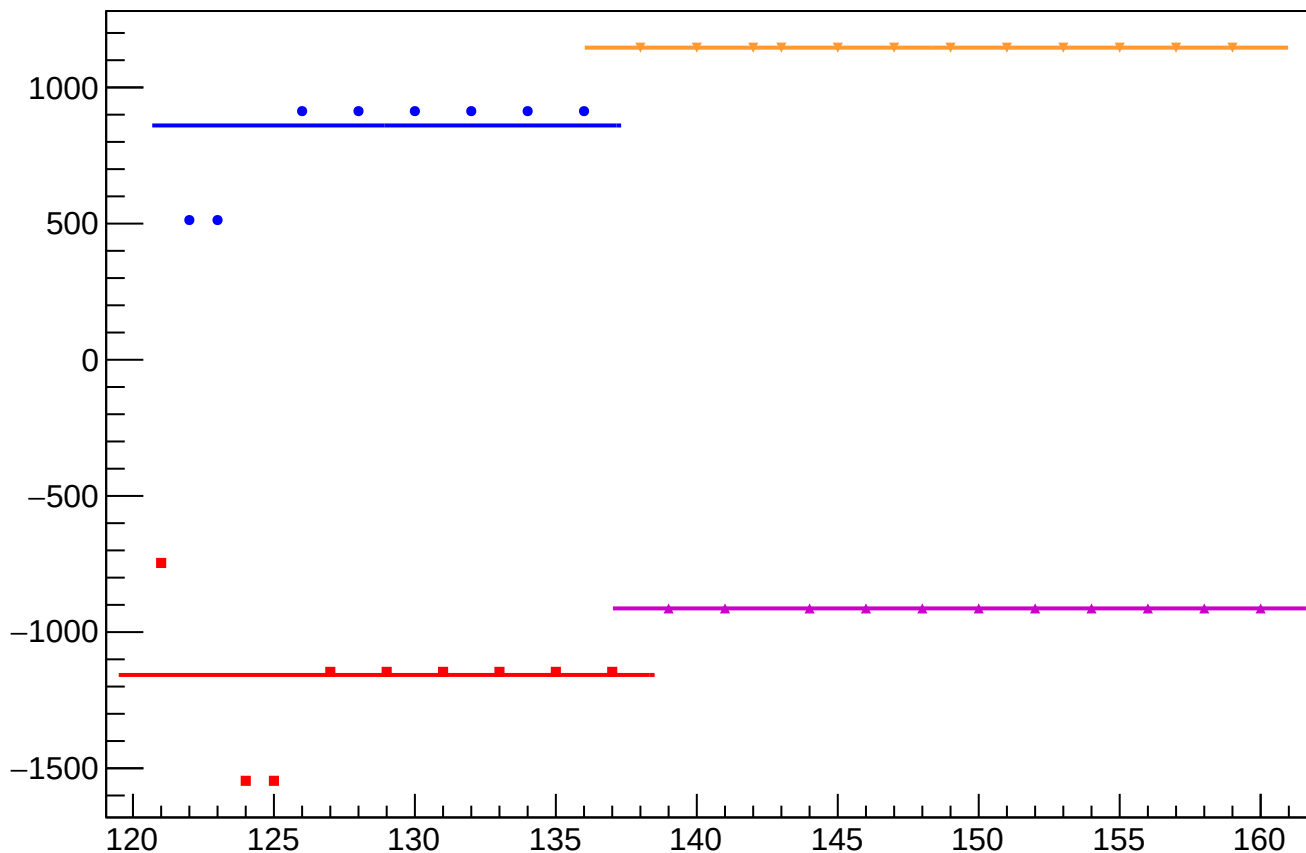
Left In: -17.009+/-0.000 χ^2/NDF : 16963.7/10

16.281+/-0.000 χ^2/NDF : 249023847376784318

-0.096+/-0.000 χ^2/NDF : 68104929597498

-16.751+/-0.000 χ^2/NDF : 23673565076796483

RTPAPOSUCNT_mean vs Slug, Sign Corrected



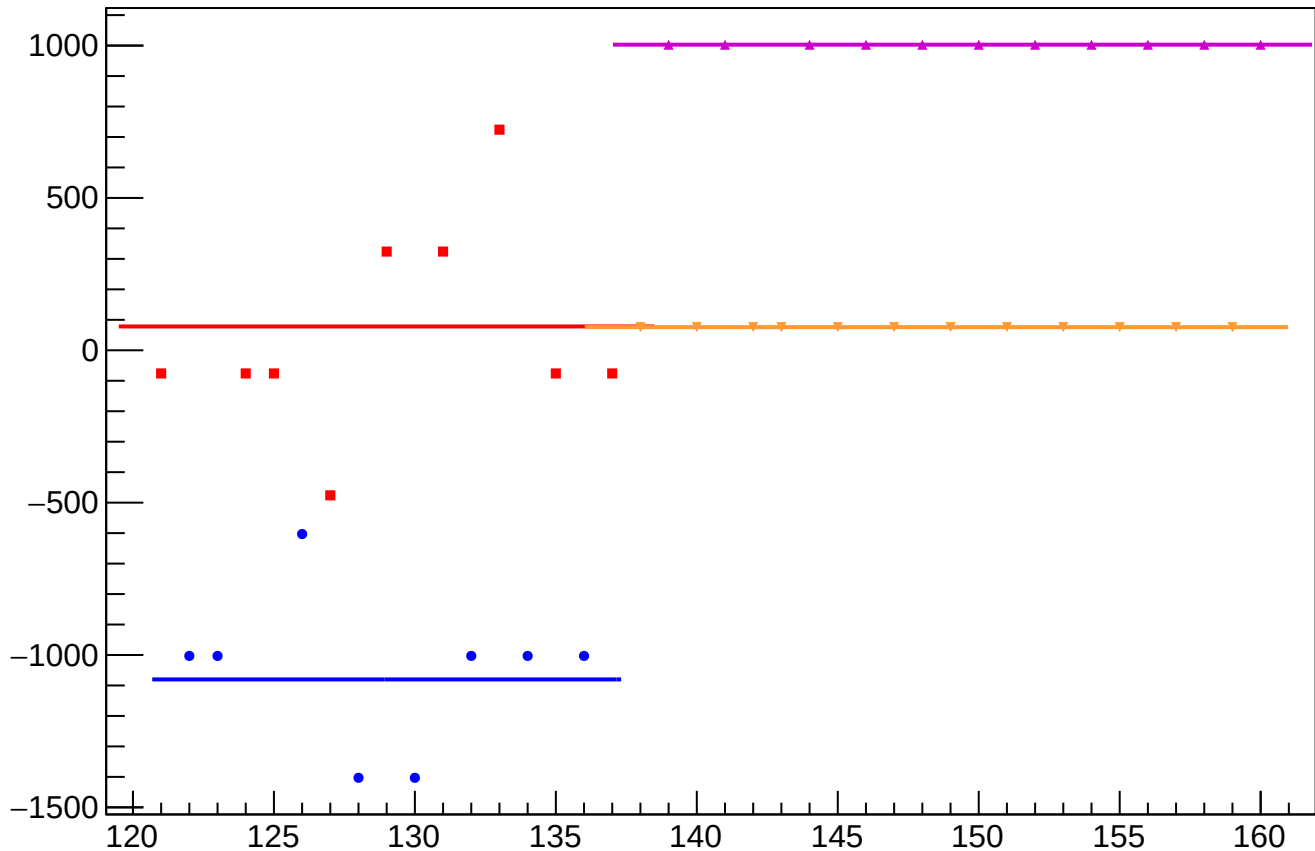
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2664672947345146801672945664.0/11

Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: -912.994+/-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 : 4212185533395648511756730368.0/11

Right Out: 78.224 +/- 0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.990 +/- 0.000 χ^2/NDF : 1257940675093186310492389376.0/10