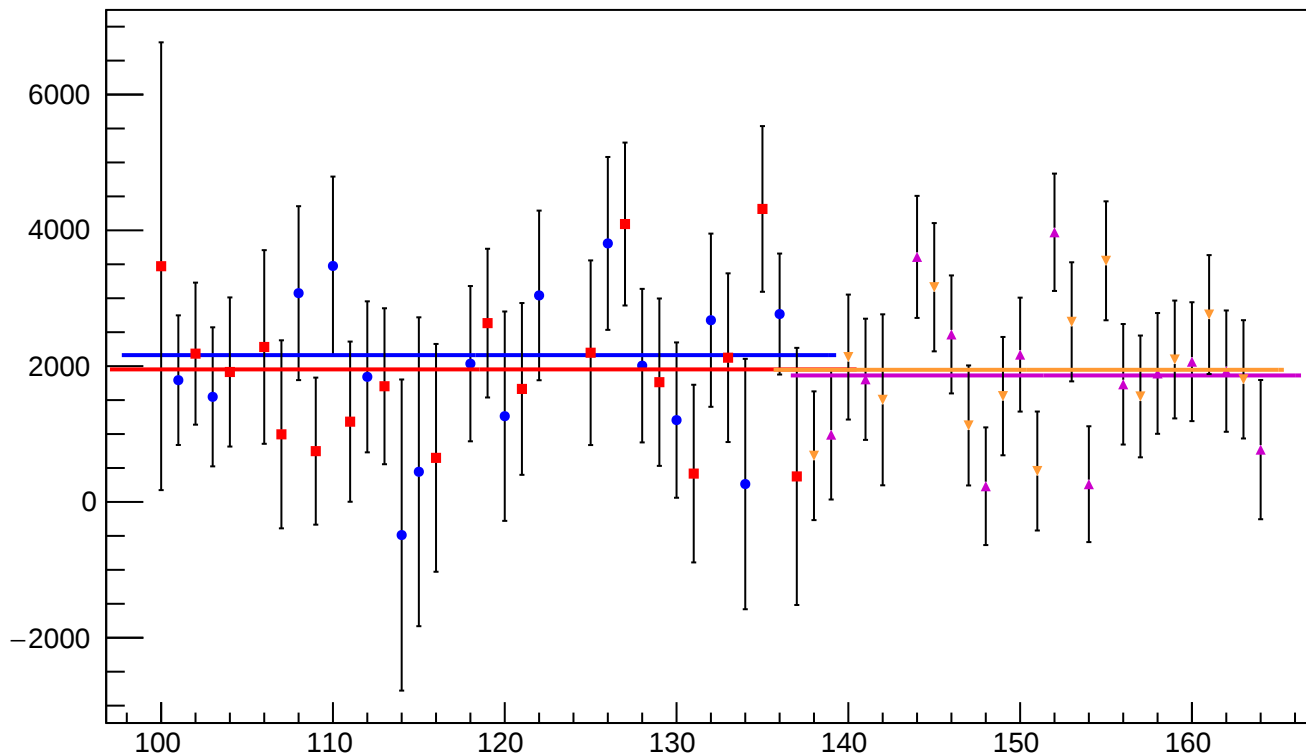


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

Left Out: 1945.990+/-252.049

Right Out: 1952.148+/-300.581

Left In: 1863.000+/-246.781

χ^2/NDF : 8.9/15

χ^2/NDF : 12.7/12

χ^2/NDF : 12.6/17

χ^2/NDF : 19.5/12

Left: 1903.619+/-176.334

Right: 2054.903+/-214.883

In: 1980.343+/-192.419

Out: 1948.532+/-193.134

All: 1964.497+/-136.313

χ^2/NDF : 32.2/25

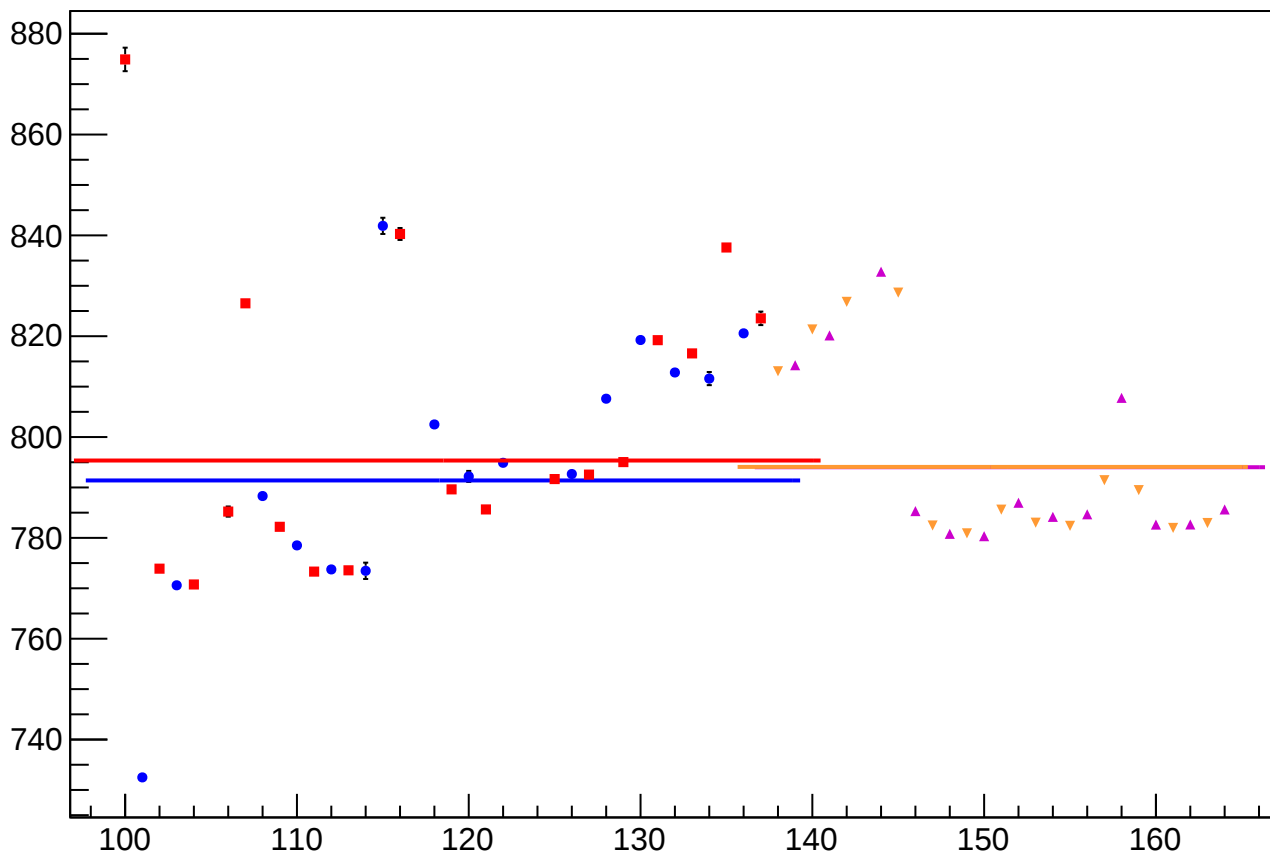
χ^2/NDF : 21.8/33

χ^2/NDF : 29.0/28

χ^2/NDF : 25.3/30

χ^2/NDF : 54.3/59

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 794.075 $\pm$ 0.178 χ^2 /NDF: 9034.2/12

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

Left In: 794.014 $\pm$ 0.175 χ^2 /NDF: 9426.4/12

Left: 794.044 $\pm$ 0.125 χ^2 /NDF: 18460.6/25

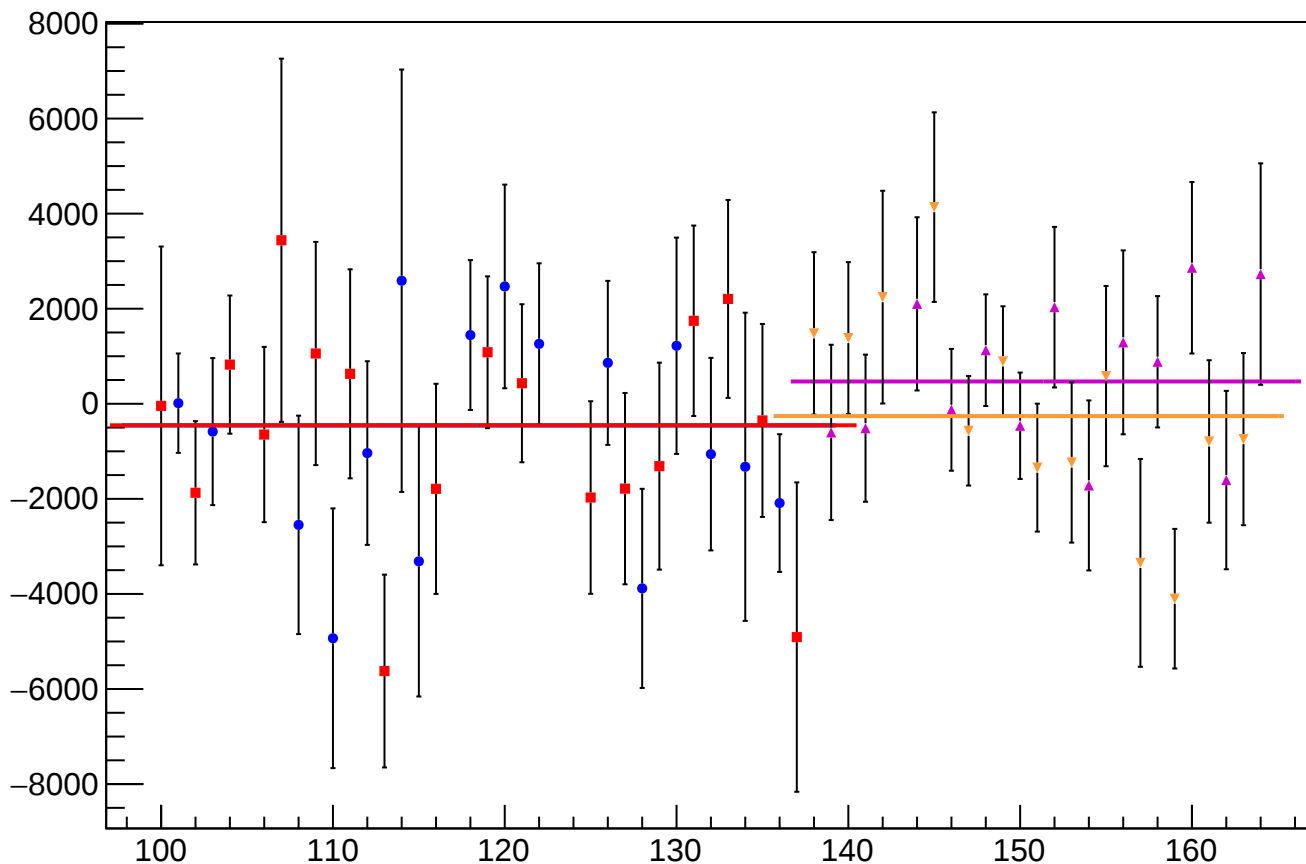
Right: 793.411 $\pm$ 0.152 χ^2 /NDF: 26737.3/33

In: 792.985 $\pm$ 0.136 χ^2 /NDF: 24523.3/28

Out: 794.599 $\pm$ 0.137 χ^2 /NDF: 20614.9/30

All: 793.789 $\pm$ 0.096 χ^2 /NDF: 45208.3/59

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -258.938+/-439.085 χ^2/NDF : 19.5/12

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

Left In: 469.272+/-431.313 χ^2/NDF : 9.3/12

Left: 111.669+/-307.695 χ^2/NDF : 30.2/25

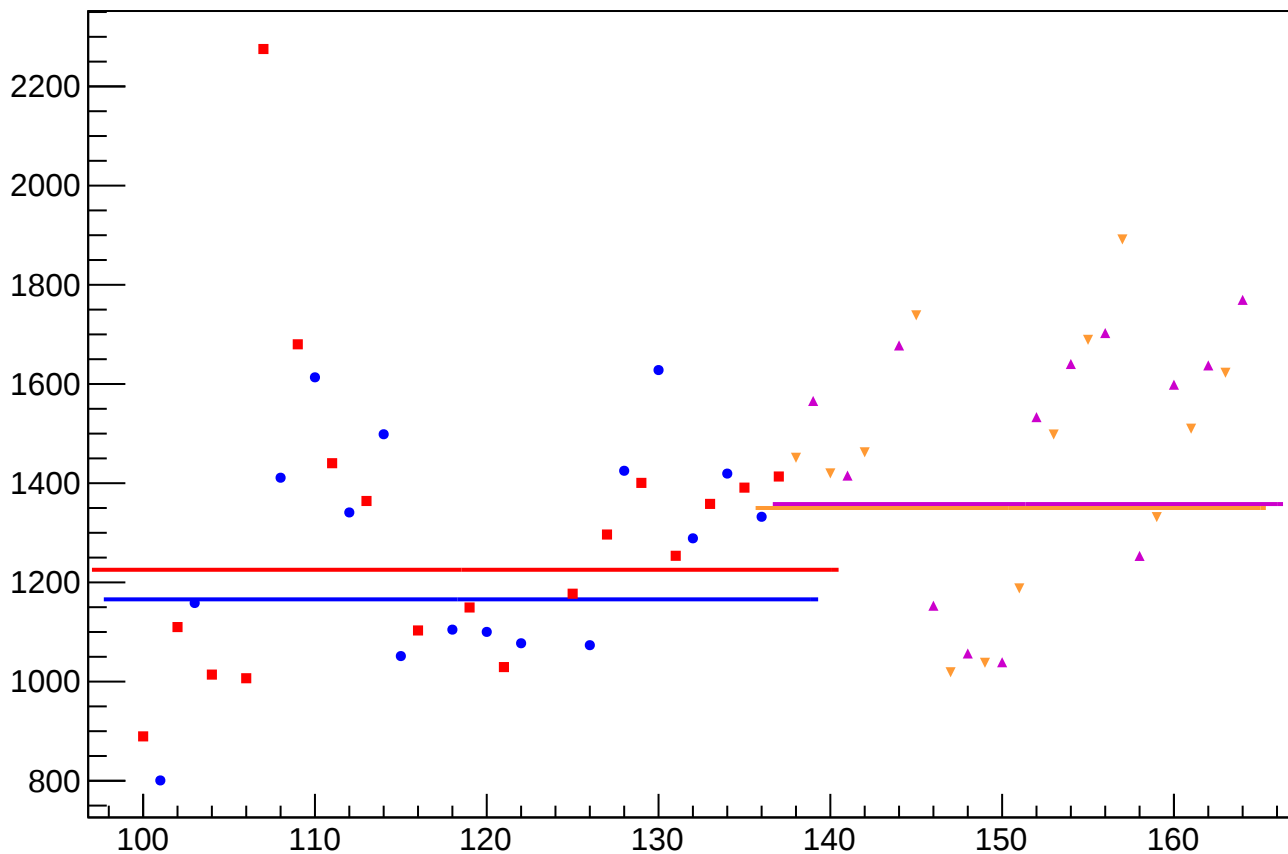
Right: -454.187+/-331.236 χ^2/NDF : 32.2/33

In: 40.753+/-315.982 χ^2/NDF : 26.3/28

Out: -348.647+/-321.727 χ^2/NDF : 36.9/30

All: -150.439+/-225.437 χ^2/NDF : 63.9/59

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1350.012 $\pm$ 0.310 χ^2 /NDF: 696358.8/12

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

Left In: 1357.948 $\pm$ 0.305 χ^2 /NDF: 723845.6/12

Left: 1354.051 $\pm$ 0.218 χ^2 /NDF: 1420536.9/25

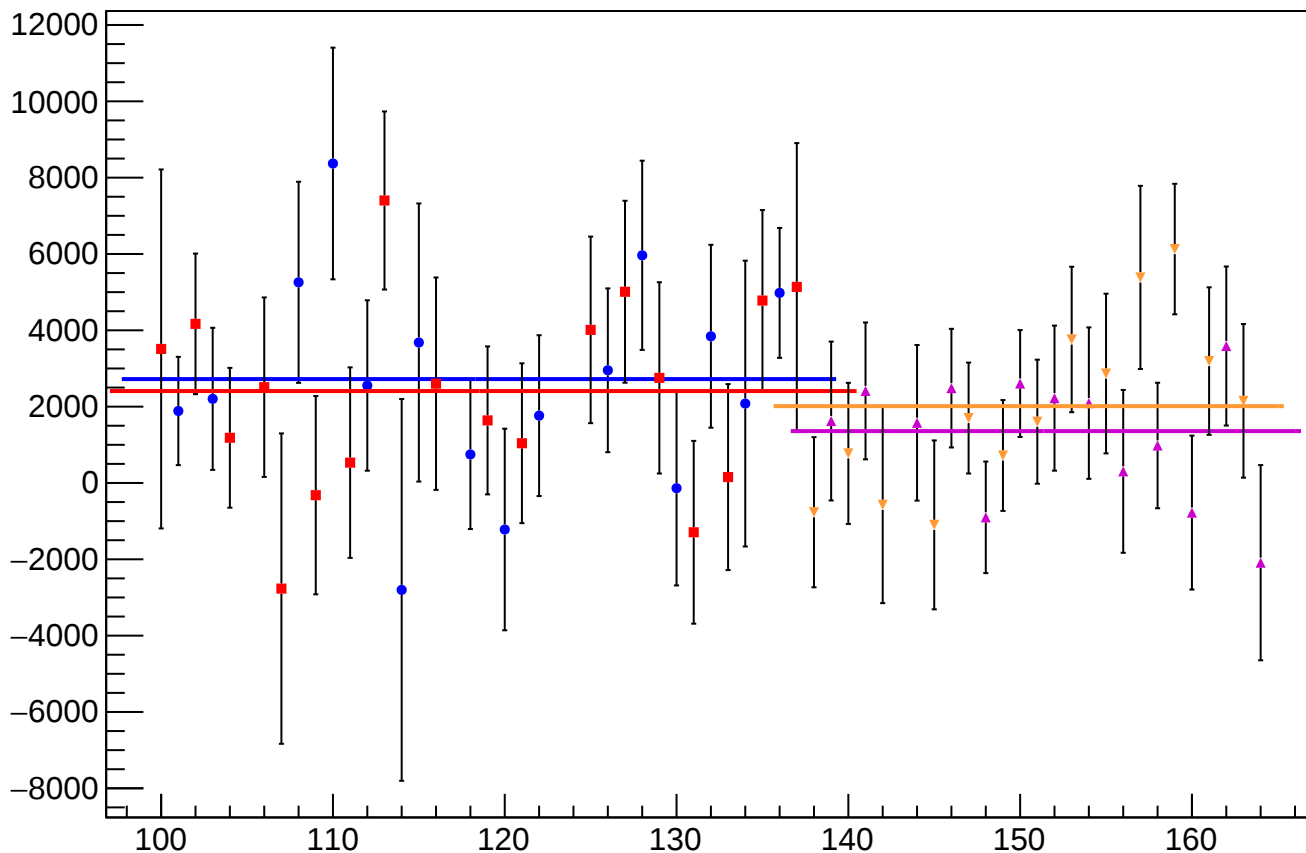
Right: 1195.087 $\pm$ 0.234 χ^2 /NDF: 983424.3/33

In: 1268.933 $\pm$ 0.223 χ^2 /NDF: 1434520.2/28

Out: 1292.324 $\pm$ 0.227 χ^2 /NDF: 1211323.3/30

All: 1280.418 $\pm$ 0.159 χ^2 /NDF: 2651224.8/59

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 2012.919+/-515.244 χ^2/NDF : 15.5/12

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

Left In: 1359.362+/-504.814 χ^2/NDF : 8.8/12

Left: 1679.459+/-360.588 χ^2/NDF : 25.1/25

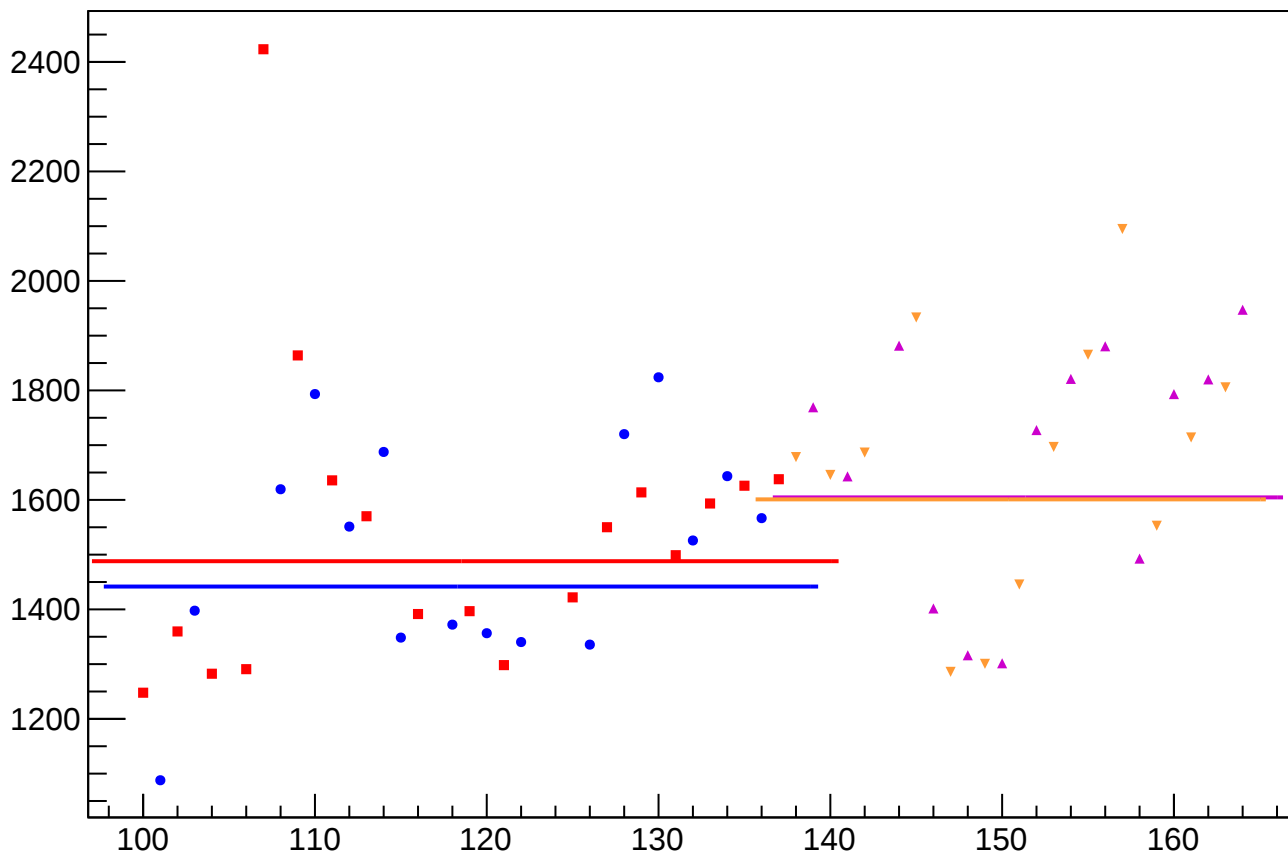
Right: 2565.881+/-401.681 χ^2/NDF : 31.0/33

In: 1961.841+/-377.079 χ^2/NDF : 26.6/28

Out: 2191.128+/-381.920 χ^2/NDF : 32.0/30

All: 2075.022+/-268.330 χ^2/NDF : 58.8/59

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1441.720 $\pm$ 0.401 χ^2/NDF : 275902.8/15

Left Out: 1600.959 $\pm$ 0.364 χ^2/NDF : 400231.1/12

Right Out: 1488.026 $\pm$ 0.402 χ^2/NDF : 256140.4/17

Left In: 1604.572 $\pm$ 0.357 χ^2/NDF : 405711.1/12

Left: 1602.802 $\pm$ 0.255 χ^2/NDF : 805992.3/25

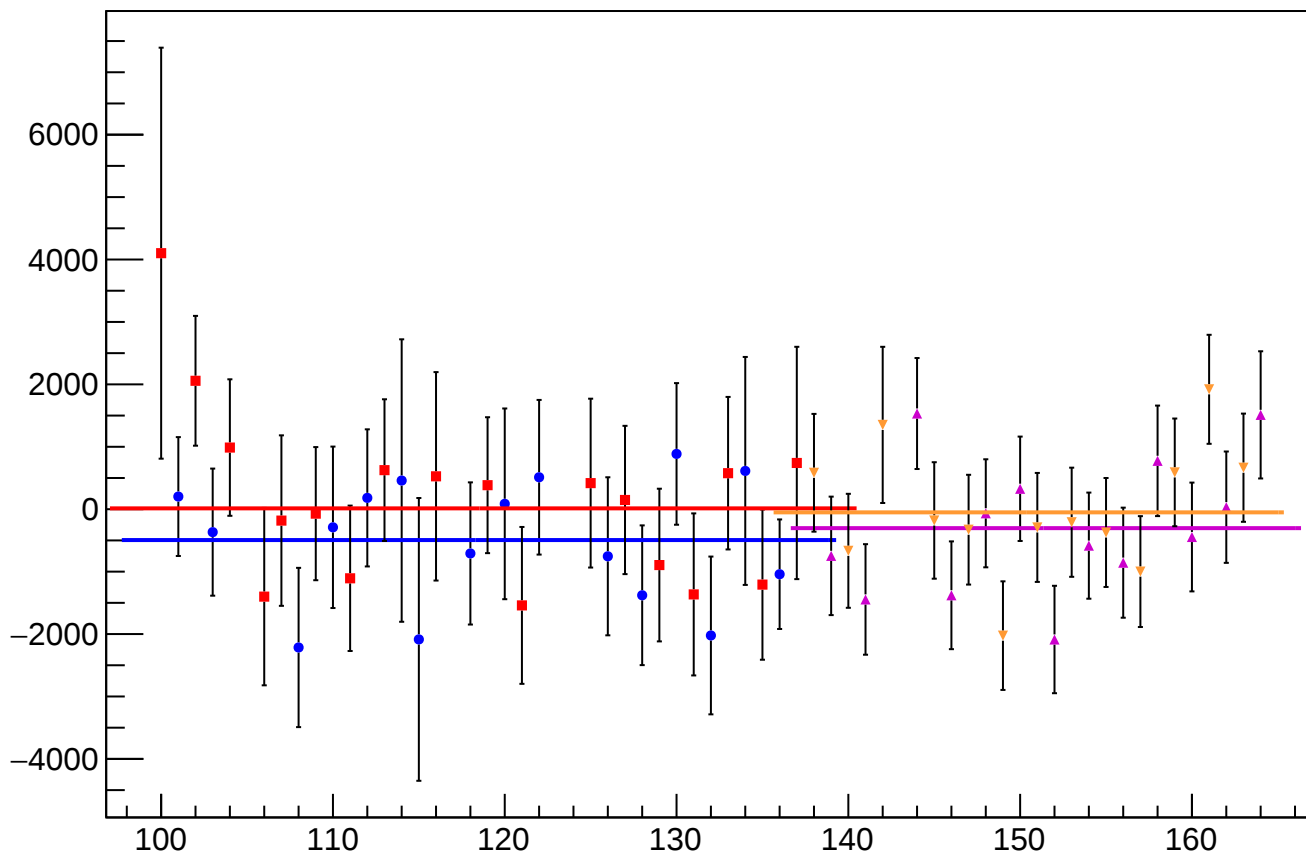
Right: 1464.799 $\pm$ 0.284 χ^2/NDF : 538687.7/33

In: 1532.585 $\pm$ 0.267 χ^2/NDF : 773619.3/28

Out: 1550.075 $\pm$ 0.270 χ^2/NDF : 699663.2/30

All: 1541.218 $\pm$ 0.190 χ^2/NDF : 1475406.6/59

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -50.470+/-250.674 χ^2/NDF :15.2/12

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

Left In: -303.325+/-245.490 χ^2/NDF :18.0/12

Left: -179.539+/-175.392 χ^2/NDF : 33.6/25

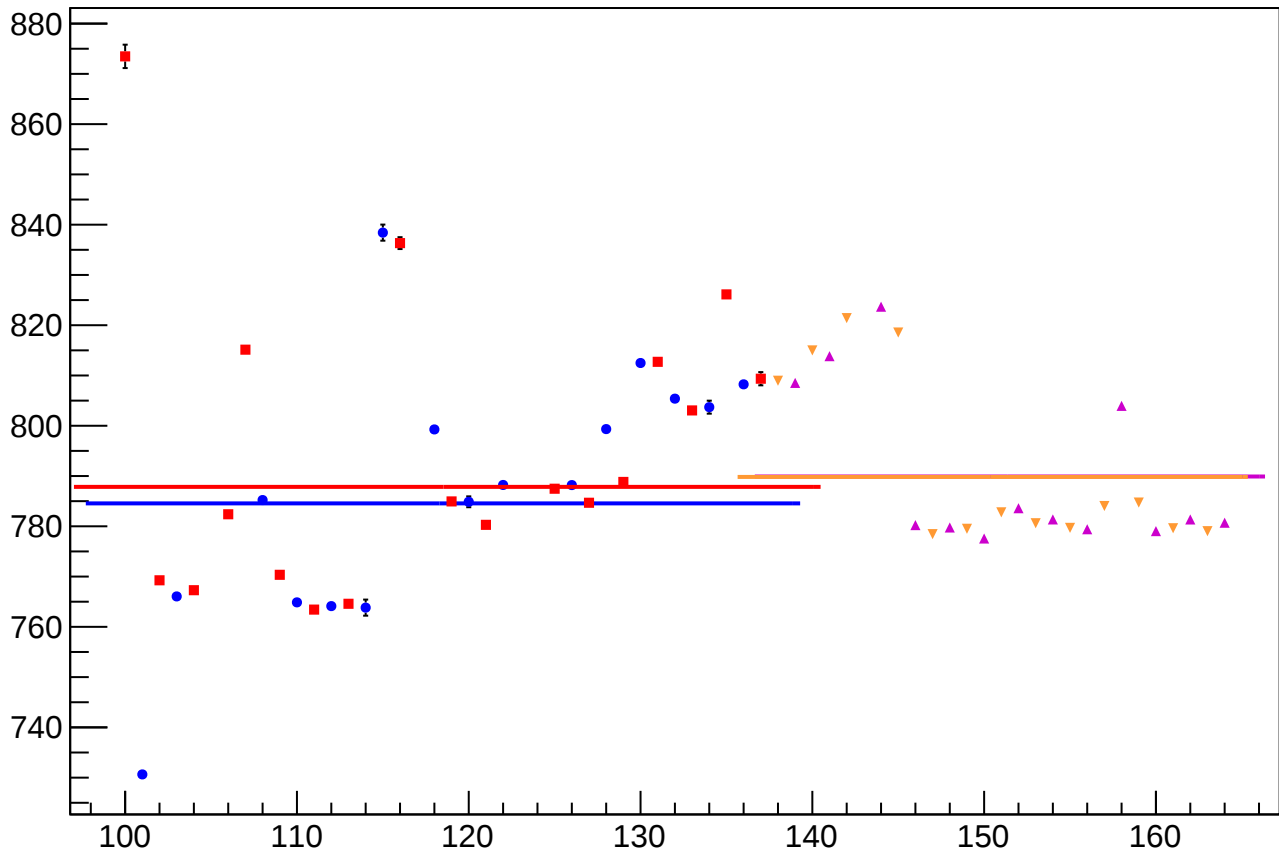
Right: -234.534+/-212.932 χ^2/NDF : 23.4/33

In: -378.482+/-191.151 χ^2/NDF :26.9/28

Out: -23.930+/-191.760 χ^2/NDF :28.5/30

All: -201.769+/-135.379 χ^2/NDF : 57.1/59

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 789.821 $\pm$ 0.177 χ^2 /NDF: 7490.3/12

Right Out: 787.844 $\pm$ 0.211 χ^2 /NDF: 10909.0/17

Left In: 789.906 $\pm$ 0.174 χ^2 /NDF: 7834.2/12

Left: 789.864 $\pm$ 0.124 χ^2 /NDF: 15324.6/25

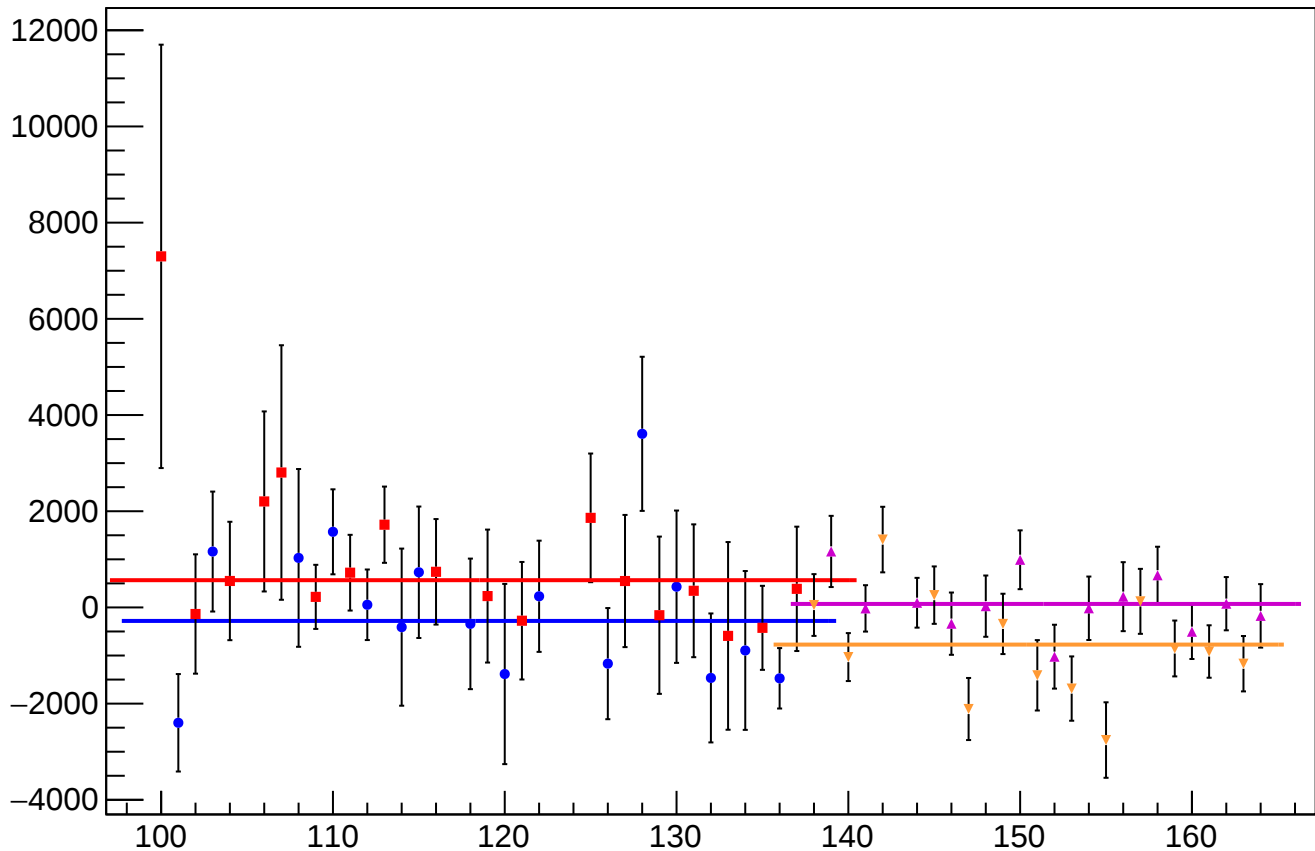
Right: 786.239 $\pm$ 0.151 χ^2 /NDF: 24705.7/33

In: 787.800 $\pm$ 0.135 χ^2 /NDF: 21885.6/28

Out: 789.001 $\pm$ 0.136 χ^2 /NDF: 18450.9/30

All: 788.399 $\pm$ 0.096 χ^2 /NDF: 40375.8/59

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -280.632 ± 282.501 $\chi^2/\text{NDF}: 23.1/15$

Left Out: -772.588 ± 172.466 $\chi^2/\text{NDF}: 31.3/12$

Right Out: 566.224 ± 272.883 $\chi^2/\text{NDF}: 9.9/17$

Left In: 72.557 ± 168.060 $\chi^2/\text{NDF}: 9.9/12$

Left: -339.082 ± 120.364 $\chi^2/\text{NDF}: 53.5/25$

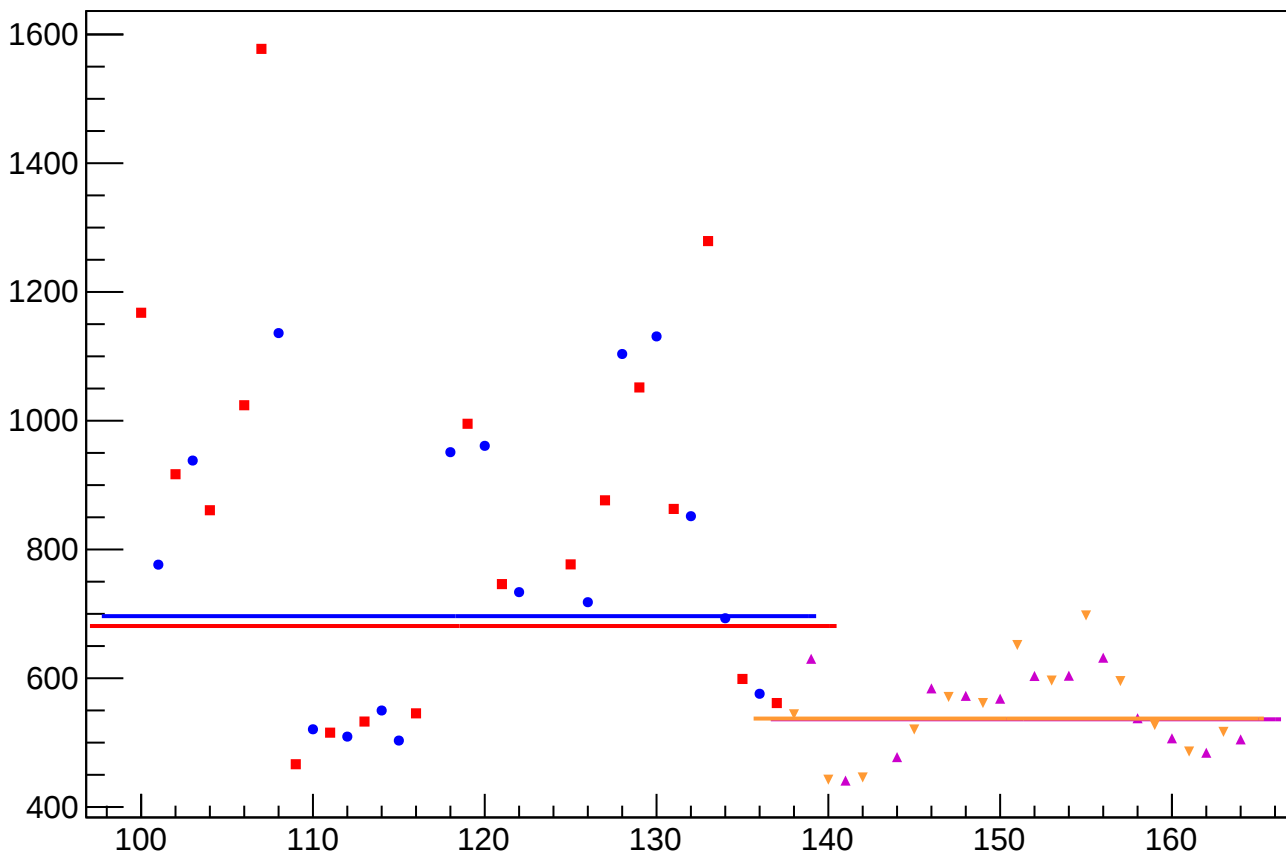
Right: 157.456 ± 196.270 $\chi^2/\text{NDF}: 37.7/33$

In: -19.766 ± 144.434 $\chi^2/\text{NDF}: 34.1/28$

Out: -390.451 ± 145.790 $\chi^2/\text{NDF}: 58.4/30$

All: -203.378 ± 102.606 $\chi^2/\text{NDF}: 95.8/59$

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 537.366+/-0.122 χ^2/NDF : 302056.6/12

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

Left In: 536.220+/-0.119 χ^2/NDF : 263693.0/12

Left: 536.778+/-0.085 χ^2/NDF : 565794.9/25

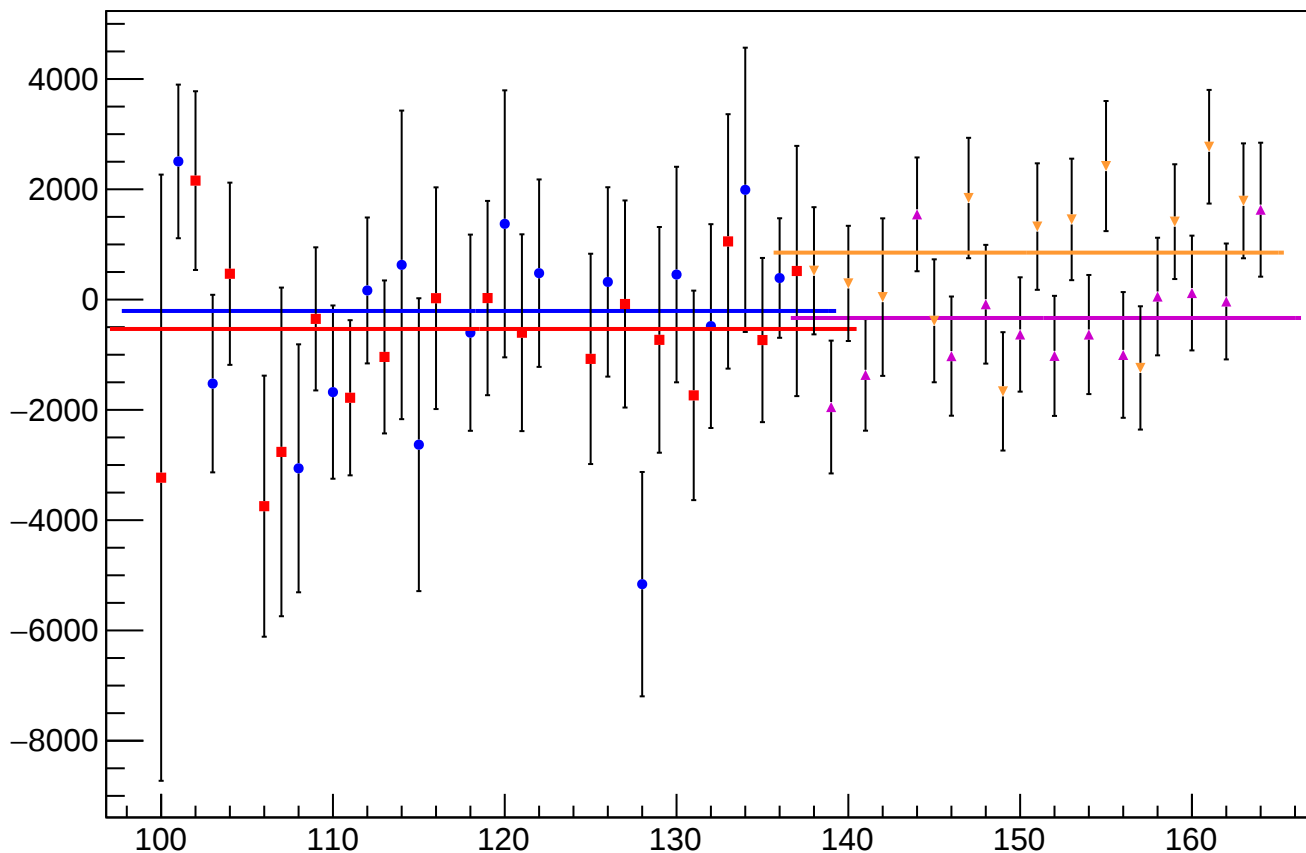
Right: 688.529+/-0.139 χ^2/NDF : 2315094.2/33

In: 578.107+/-0.102 χ^2/NDF : 1698467.8/28

Out: 578.400+/-0.103 χ^2/NDF : 2051256.9/30

All: 578.252+/-0.073 χ^2/NDF : 3749728.7/59

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -206.385 ± 433.774 $\chi^2/\text{NDF}: 15.8/15$

Left Out: 851.603 ± 307.744 $\chi^2/\text{NDF}: 18.5/12$

Right Out: -532.837 ± 427.128 $\chi^2/\text{NDF}: 8.1/17$

Left In: -333.759 ± 300.021 $\chi^2/\text{NDF}: 10.5/12$

Left: 243.861 ± 214.825 $\chi^2/\text{NDF}: 36.7/25$

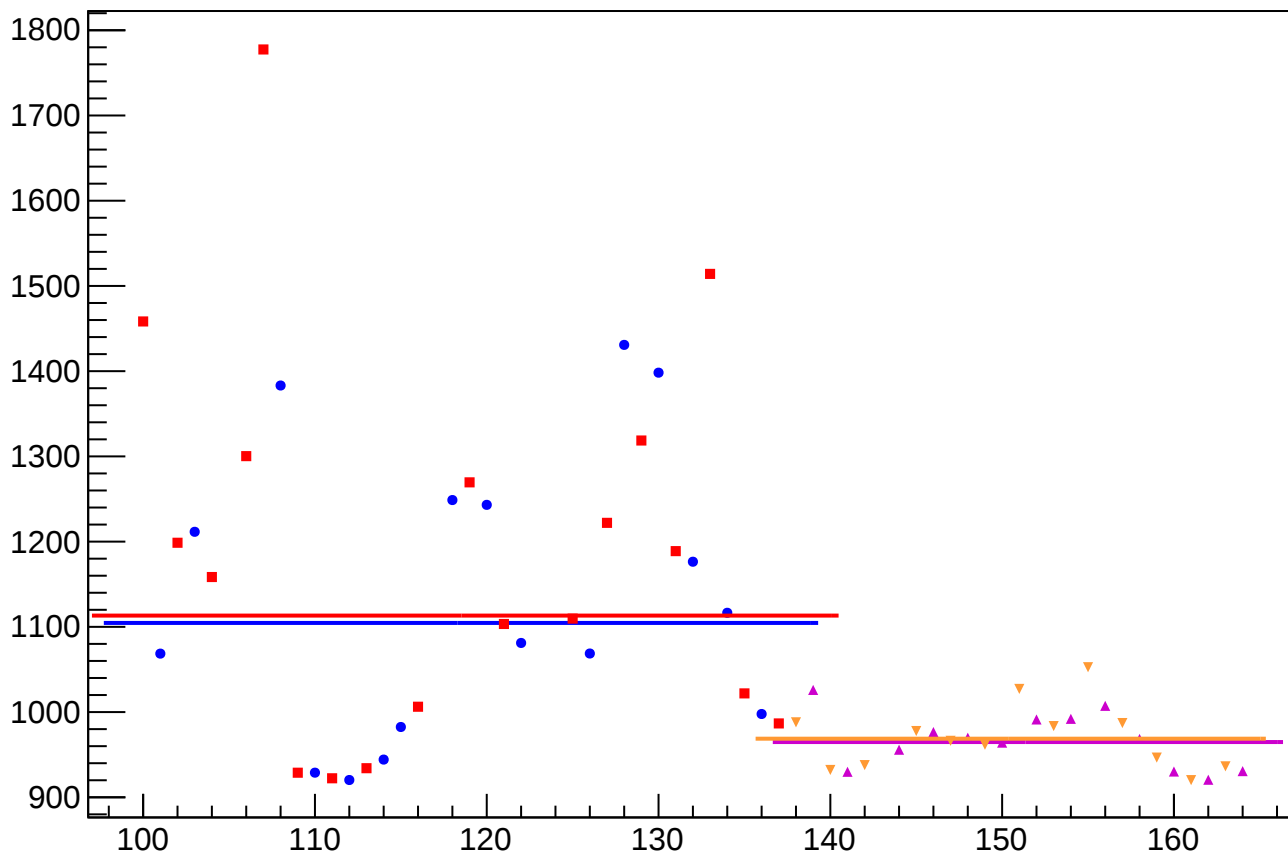
Right: -372.131 ± 304.348 $\chi^2/\text{NDF}: 24.2/33$

In: -292.543 ± 246.750 $\chi^2/\text{NDF}: 26.4/28$

Out: 378.510 ± 249.686 $\chi^2/\text{NDF}: 33.6/30$

All: 39.015 ± 175.508 $\chi^2/\text{NDF}: 63.6/59$

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 968.772 $\pm$ 0.218 χ^2/NDF : 27680.1/12

Right Out: 1113.215 $\pm$ 0.302 χ^2/NDF : 362982.2/17

Left In: 964.835 $\pm$ 0.212 χ^2/NDF : 20557.7/12

Left: 966.754 $\pm$ 0.152 χ^2/NDF : 48405.5/25

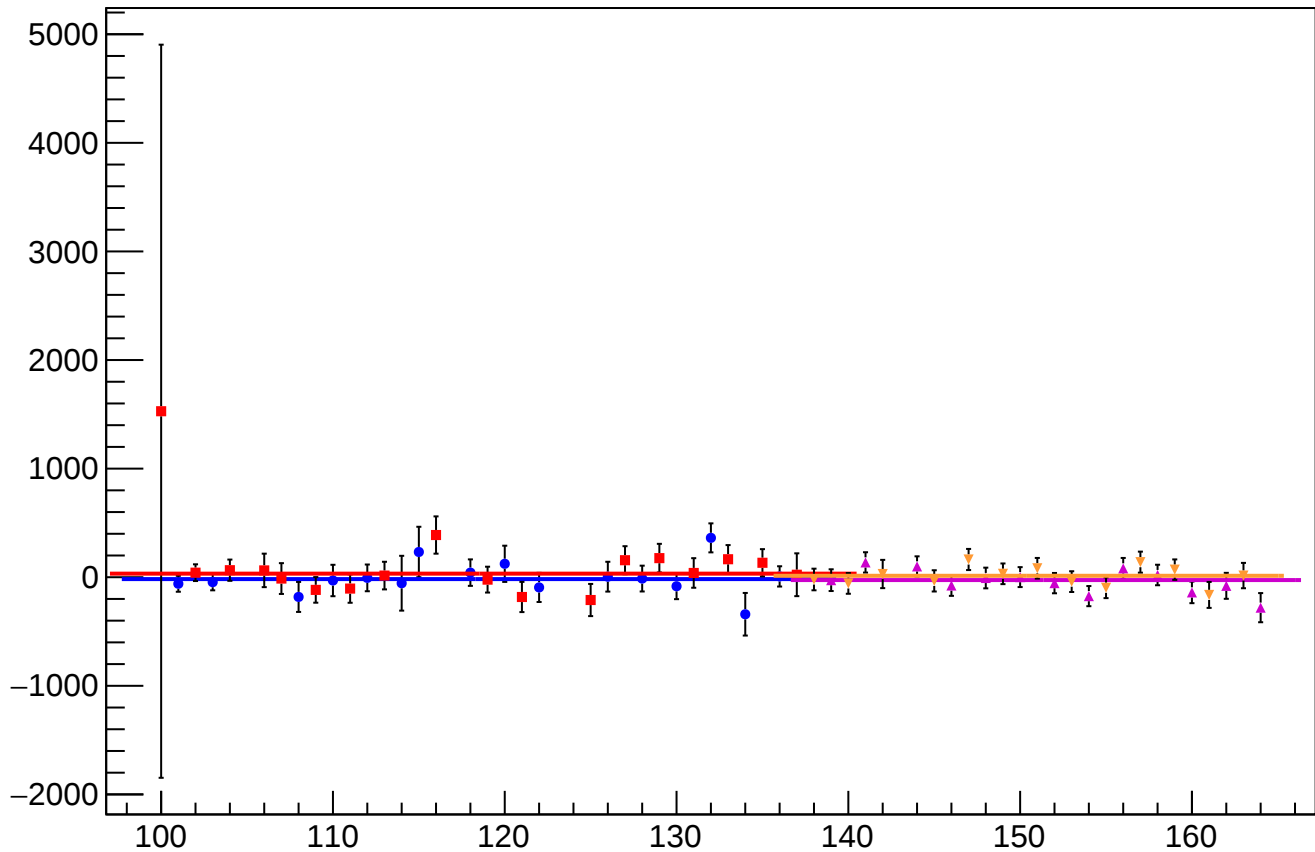
Right: 1108.972 $\pm$ 0.215 χ^2/NDF : 618871.4/33

In: 1010.060 $\pm$ 0.174 χ^2/NDF : 416485.0/28

Out: 1018.131 $\pm$ 0.177 χ^2/NDF : 541225.8/30

All: 1014.048 $\pm$ 0.124 χ^2/NDF : 958768.1/59

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 13.204+/-27.915 χ^2/NDF : 9.7/12

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

Left In: -26.234+/-27.251 χ^2/NDF : 14.5/12

Left: -6.989+/-19.500 χ^2/NDF : 25.2/25

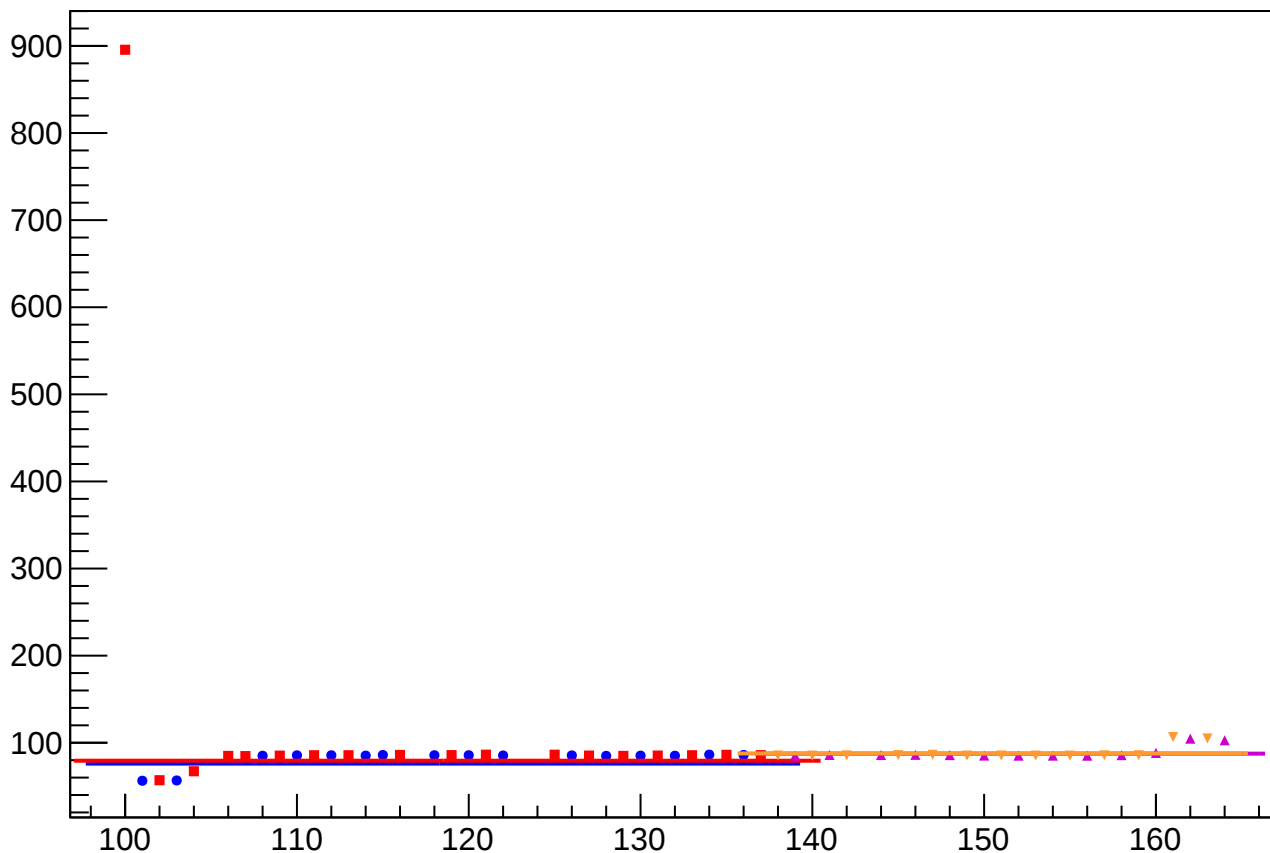
Right: 7.447+/-21.365 χ^2/NDF : 33.5/33

In: -22.165+/-20.168 χ^2/NDF : 30.1/28

Out: 22.195+/-20.576 χ^2/NDF : 26.5/30

All: -0.428+/-14.403 χ^2/NDF : 59.0/59

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 87.733 $\pm$ 0.020 χ^2 /NDF: 104700.0/12

Right Out: 79.390 $\pm$ 0.022 χ^2 /NDF: 378526.1/17

Left In: 87.506 $\pm$ 0.019 χ^2 /NDF: 76171.6/12

Left: 87.617 $\pm$ 0.014 χ^2 /NDF: 180939.1/25

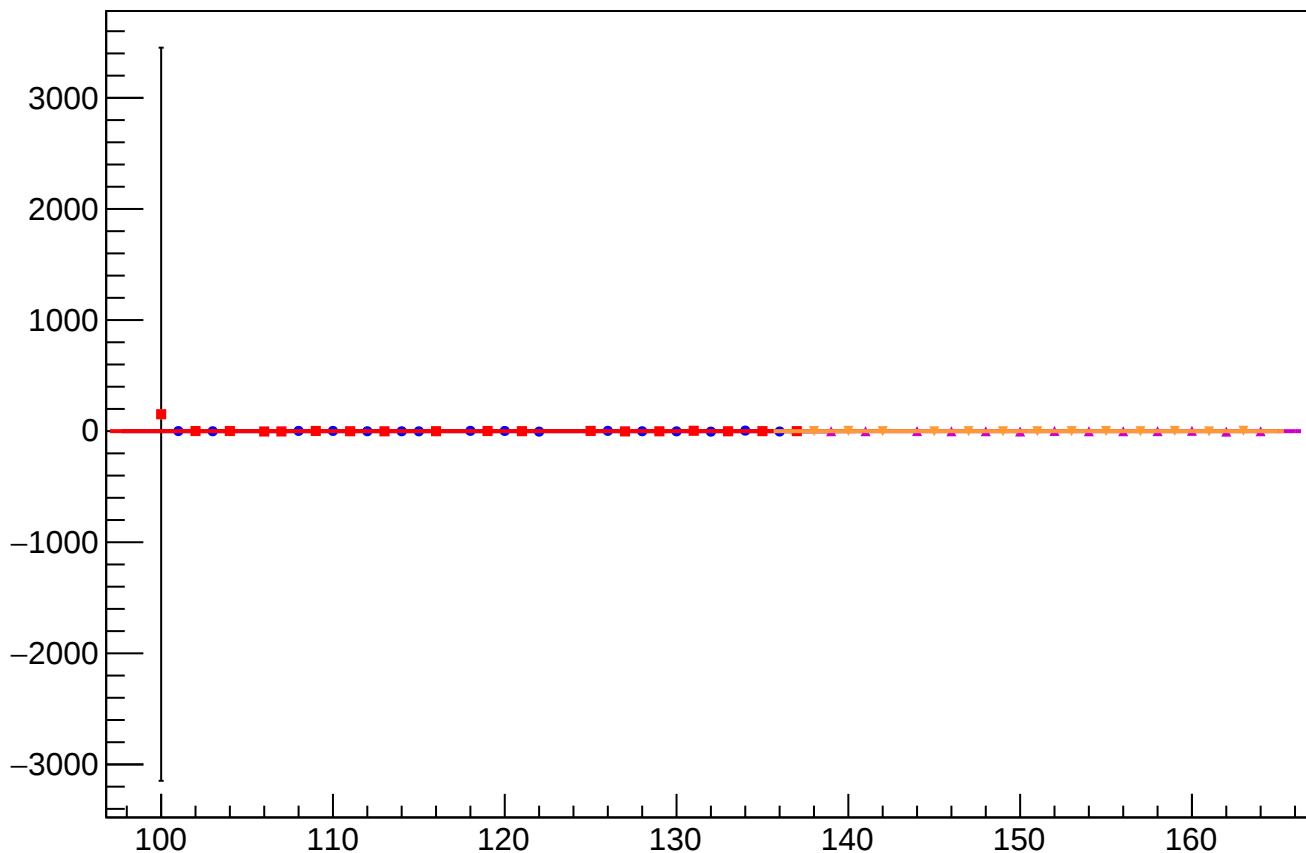
Right: 77.709 $\pm$ 0.015 χ^2 /NDF: 799700.2/33

In: 82.338 $\pm$ 0.014 χ^2 /NDF: 644394.9/28

Out: 83.923 $\pm$ 0.015 χ^2 /NDF: 564816.3/30

All: 83.114 $\pm$ 0.010 χ^2 /NDF: 1215262.7/59

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.127 ± 0.469 χ^2/NDF : 10.0/12

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

Left In: -0.172 ± 0.480 χ^2/NDF : 13.3/12

Left: -0.149 ± 0.335 χ^2/NDF : 23.3/25

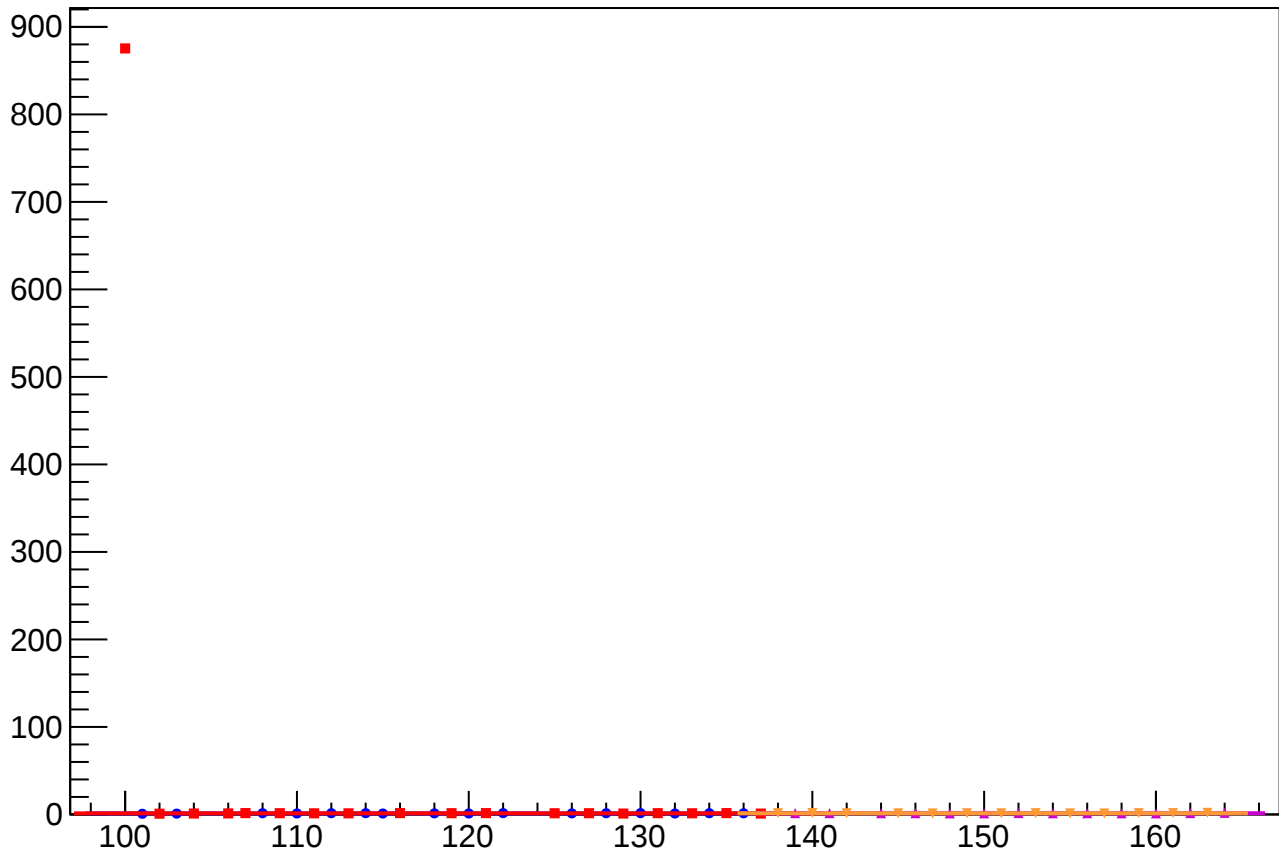
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.224 ± 0.347 χ^2/NDF : 34.4/28

Out: -0.036 ± 0.348 χ^2/NDF : 19.1/30

All: -0.130 ± 0.246 χ^2/NDF : 53.7/59

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.319+/-0.000 χ^2/NDF : 311400.7/12

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

Left In: 1.415+/-0.000 χ^2/NDF : 171619.7/12

Left: 1.366+/-0.000 χ^2/NDF : 523933.1/25

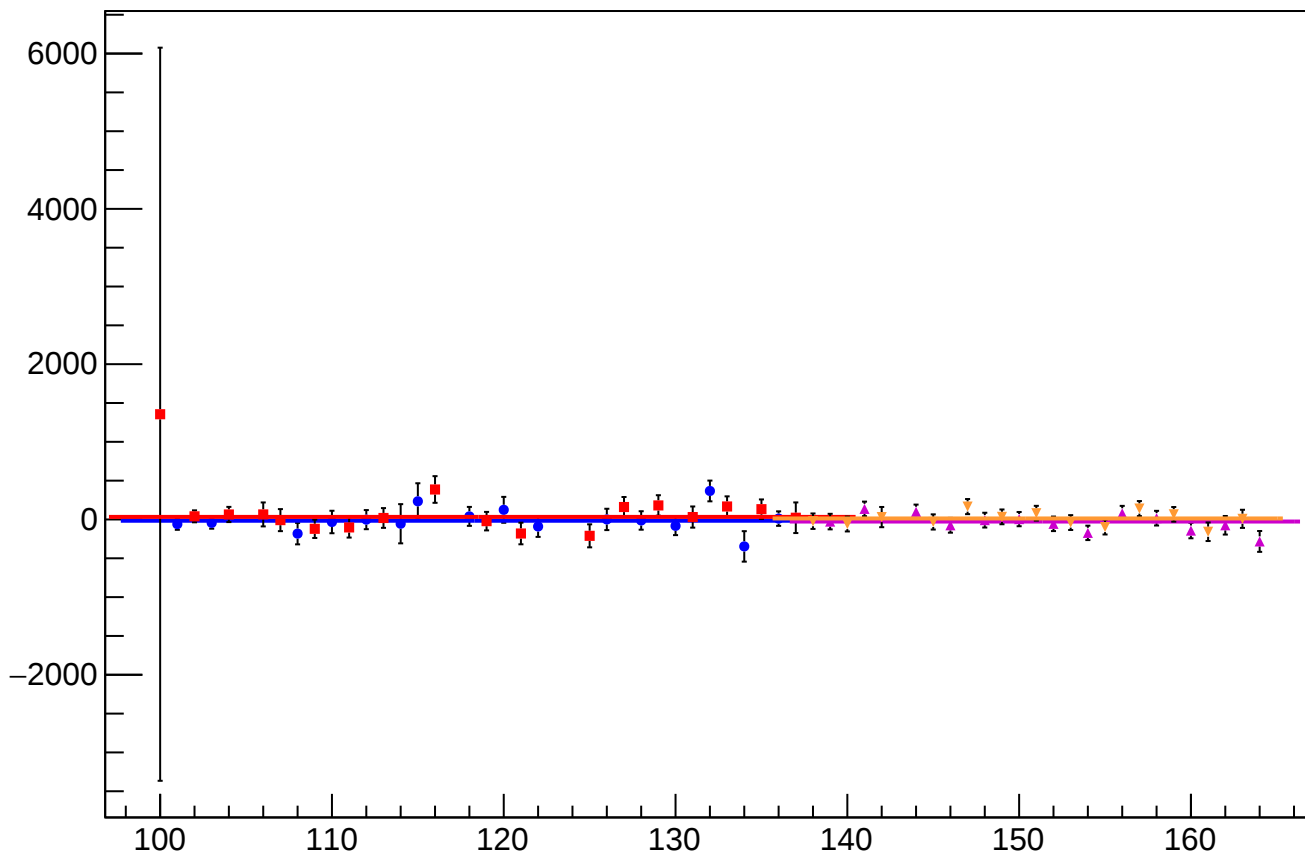
Right: 1.198+/-0.000 χ^2/NDF : 1065824.7/33

In: 1.290+/-0.000 χ^2/NDF : 972882.1/28

Out: 1.287+/-0.000 χ^2/NDF : 849749.5/30

All: 1.288+/-0.000 χ^2/NDF : 1822685.0/59

asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -16.311 $\pm$ 29.996 χ^2 /NDF: 15.9/15

Left Out: 13.085 $\pm$ 27.922 χ^2 /NDF: 9.7/12

Right Out: 33.114 $\pm$ 30.455 χ^2 /NDF: 16.5/17

Left In: -26.595 $\pm$ 27.259 χ^2 /NDF: 14.4/12

Left: -7.232 $\pm$ 19.505 χ^2 /NDF: 25.1/25

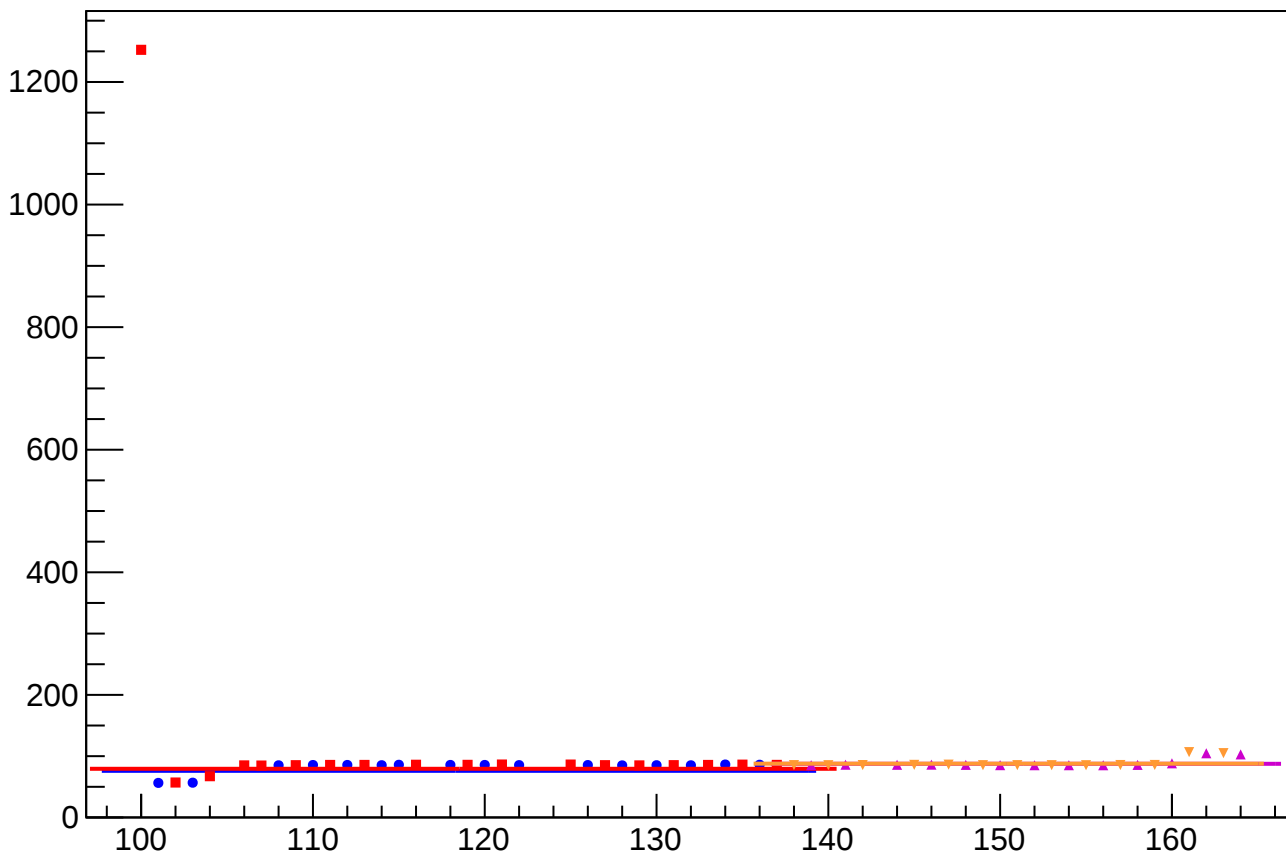
Right: 8.026 $\pm$ 21.371 χ^2 /NDF: 33.7/33

In: -21.944 $\pm$ 20.173 χ^2 /NDF: 30.3/28

Out: 22.233 $\pm$ 20.581 χ^2 /NDF: 26.5/30

All: -0.298 $\pm$ 14.407 χ^2 /NDF: 59.1/59

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 87.756 $\pm$ 0.020 χ^2 /NDF: 104778.4/12

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

Left In: 87.530 $\pm$ 0.019 χ^2 /NDF: 76195.5/12

Left: 87.641 $\pm$ 0.014 χ^2 /NDF: 181041.0/25

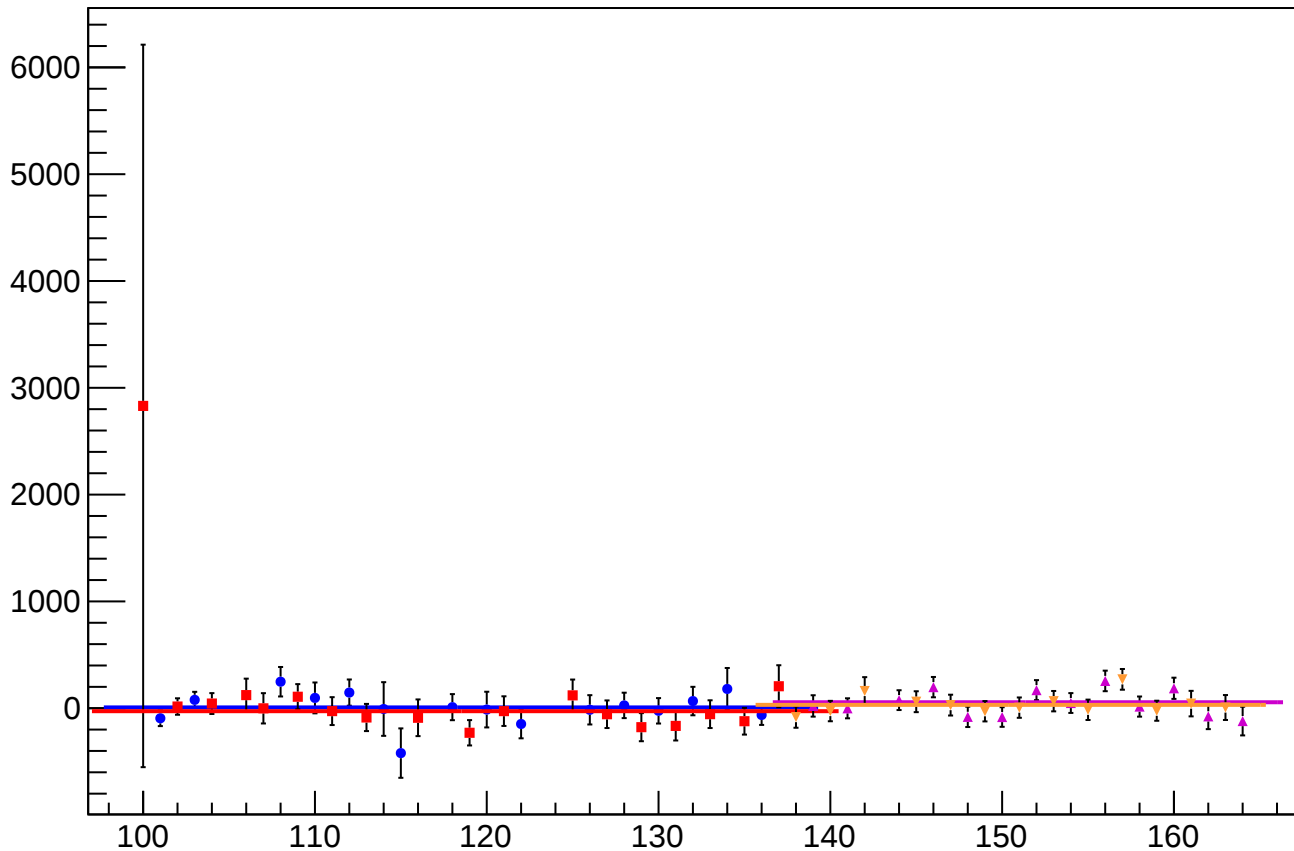
Right: 77.721 $\pm$ 0.015 χ^2 /NDF: 806127.4/33

In: 82.360 $\pm$ 0.014 χ^2 /NDF: 644483.2/28

Out: 83.937 $\pm$ 0.015 χ^2 /NDF: 571767.3/30

All: 83.133 $\pm$ 0.010 χ^2 /NDF: 1222239.9/59

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 31.450 ± 27.914 χ^2/NDF : 10.1/12

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

Left In: 55.820 ± 27.250 χ^2/NDF : 17.7/12

Left: 43.929 ± 19.499 χ^2/NDF : 28.2/25

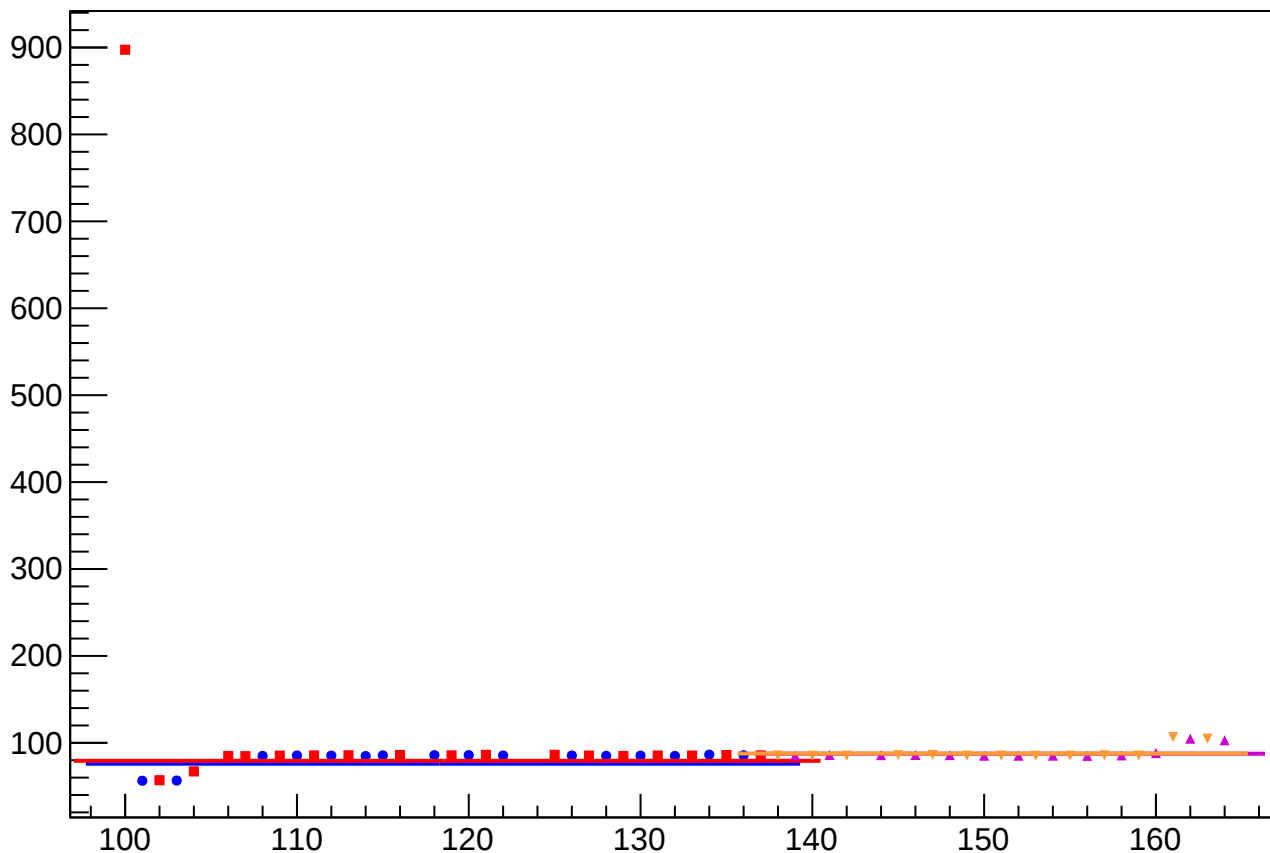
Right: -9.961 ± 21.352 χ^2/NDF : 27.1/33

In: 33.933 ± 20.162 χ^2/NDF : 33.1/28

Out: 4.318 ± 20.570 χ^2/NDF : 24.6/30

All: 19.422 ± 14.399 χ^2/NDF : 58.8/59

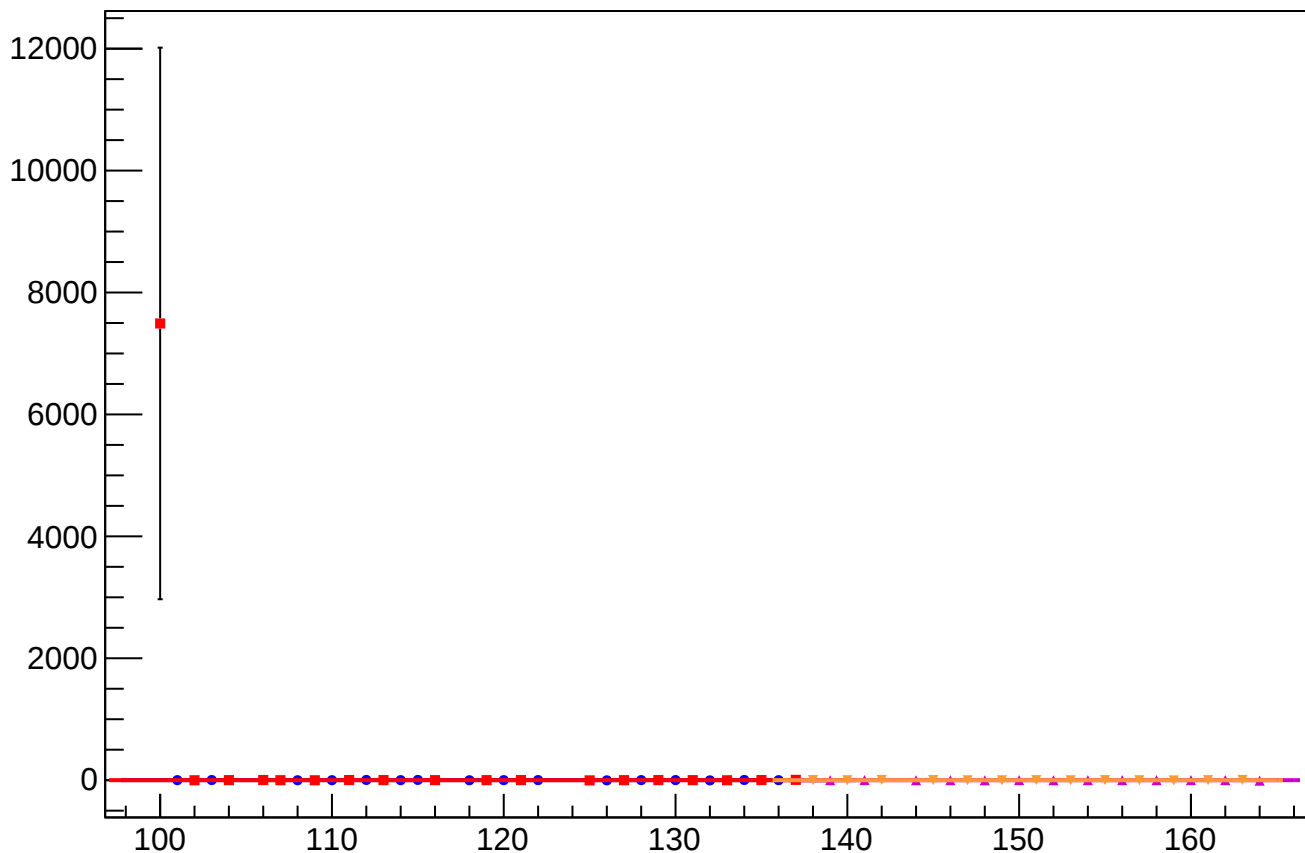
reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.032 $\pm$ 0.021 χ^2 /NDF: 408917.7/15
Left Out: 87.731 $\pm$ 0.020 χ^2 /NDF:104732.3/12
Right Out: 79.342 $\pm$ 0.022 χ^2 /NDF: 378371.9/17
Left In: 87.499 $\pm$ 0.019 χ^2 /NDF:77102.8/12

Left: 87.612 $\pm$ 0.014 χ^2 /NDF: 181906.1/25
Right: 77.662 $\pm$ 0.015 χ^2 /NDF: 799302.8/33
In: 82.309 $\pm$ 0.014 χ^2 /NDF:646304.7/28
Out: 83.897 $\pm$ 0.015 χ^2 /NDF:565661.4/30
All: 83.087 $\pm$ 0.010 χ^2 /NDF: 1218048.1/59

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.452 ± 0.484 χ^2/NDF : 15.3/12

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

Left In: 0.159 ± 0.478 χ^2/NDF : 13.0/12

Left: -0.143 ± 0.340 χ^2/NDF : 29.1/25

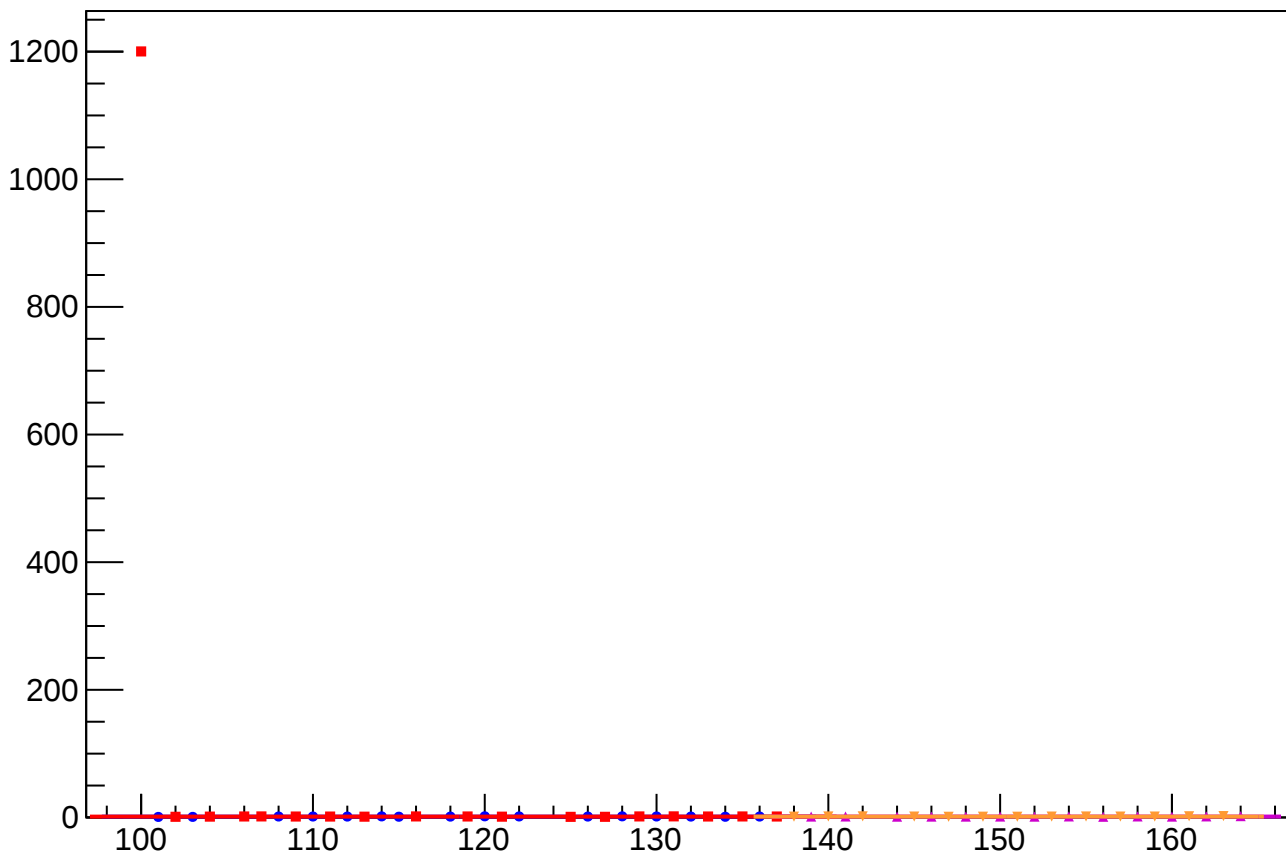
Right: 0.621 ± 0.382 χ^2/NDF : 25.2/33

In: 0.494 ± 0.356 χ^2/NDF : 26.1/28

Out: -0.117 ± 0.363 χ^2/NDF : 29.0/30

All: 0.195 ± 0.254 χ^2/NDF : 56.5/59

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.379+/-0.000 χ^2/NDF : 515297.4/12

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

Left In: 1.397+/-0.000 χ^2/NDF : 331112.4/12

Left: 1.388+/-0.000 χ^2/NDF : 847853.6/25

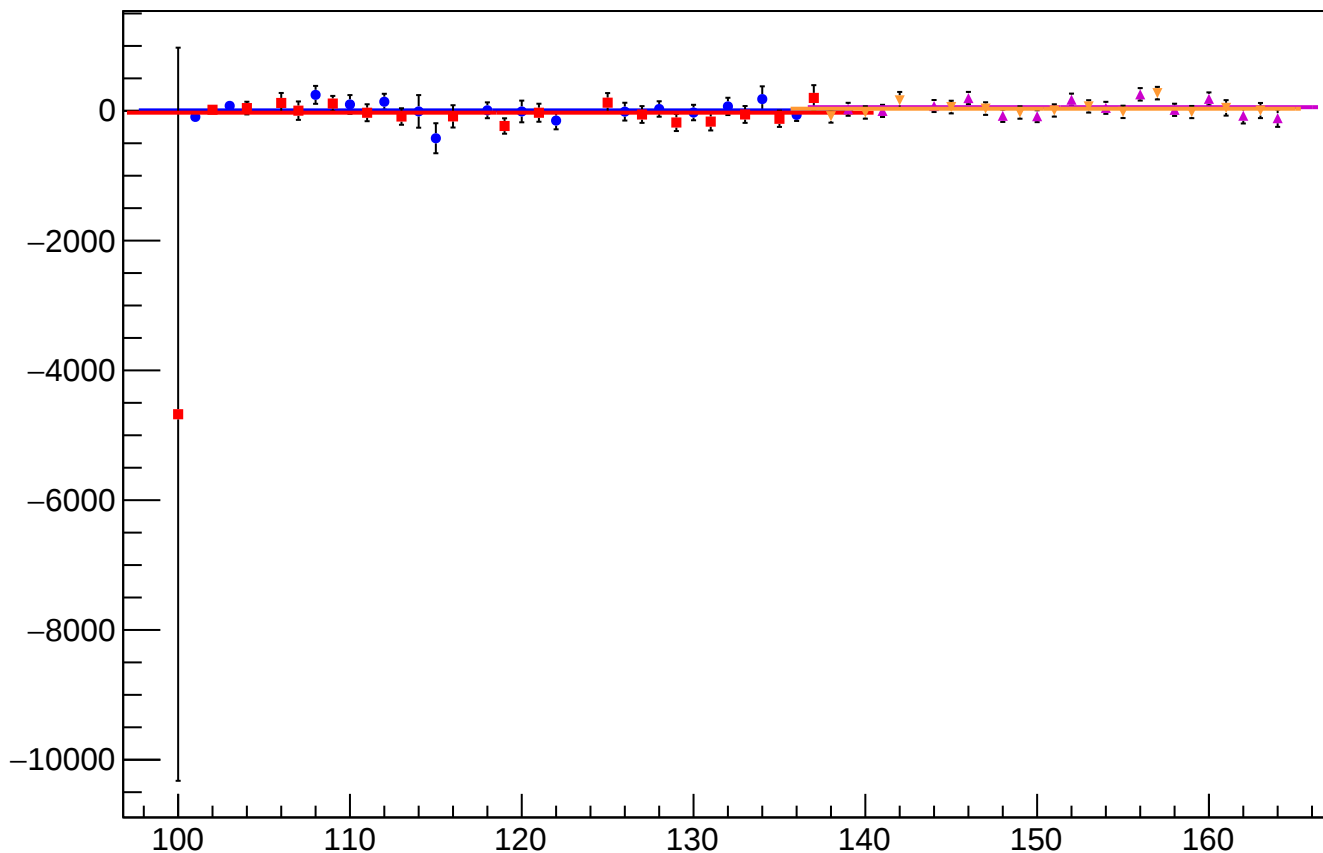
Right: 1.276+/-0.000 χ^2/NDF : 1201203.5/33

In: 1.326+/-0.000 χ^2/NDF : 1088312.0/28

Out: 1.352+/-0.000 χ^2/NDF : 1051006.6/30

All: 1.339+/-0.000 χ^2/NDF : 2144574.9/59

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 32.519 ± 27.922 χ^2/NDF : 10.1/12

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

Left In: 56.170 ± 27.258 χ^2/NDF : 17.3/12

Left: 44.629 ± 19.505 χ^2/NDF : 27.8/25

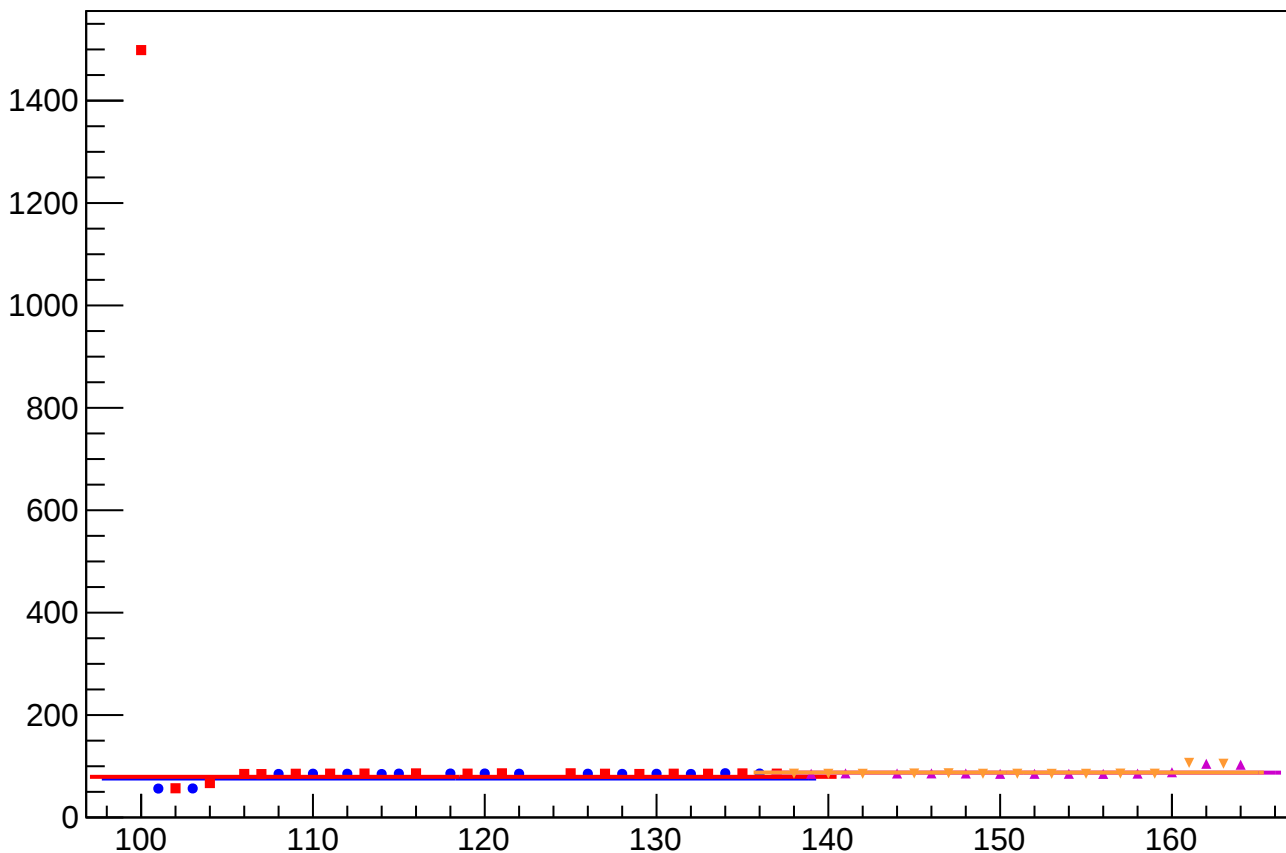
Right: -10.616 ± 21.358 χ^2/NDF : 27.2/33

In: 33.817 ± 20.167 χ^2/NDF : 32.7/28

Out: 4.611 ± 20.576 χ^2/NDF : 25.0/30

All: 19.507 ± 14.403 χ^2/NDF : 58.6/59

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 87.755 $\pm$ 0.020 χ^2 /NDF: 104816.7/12

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

Left In: 87.523 $\pm$ 0.019 χ^2 /NDF: 77154.8/12

Left: 87.636 $\pm$ 0.014 χ^2 /NDF: 182042.2/25

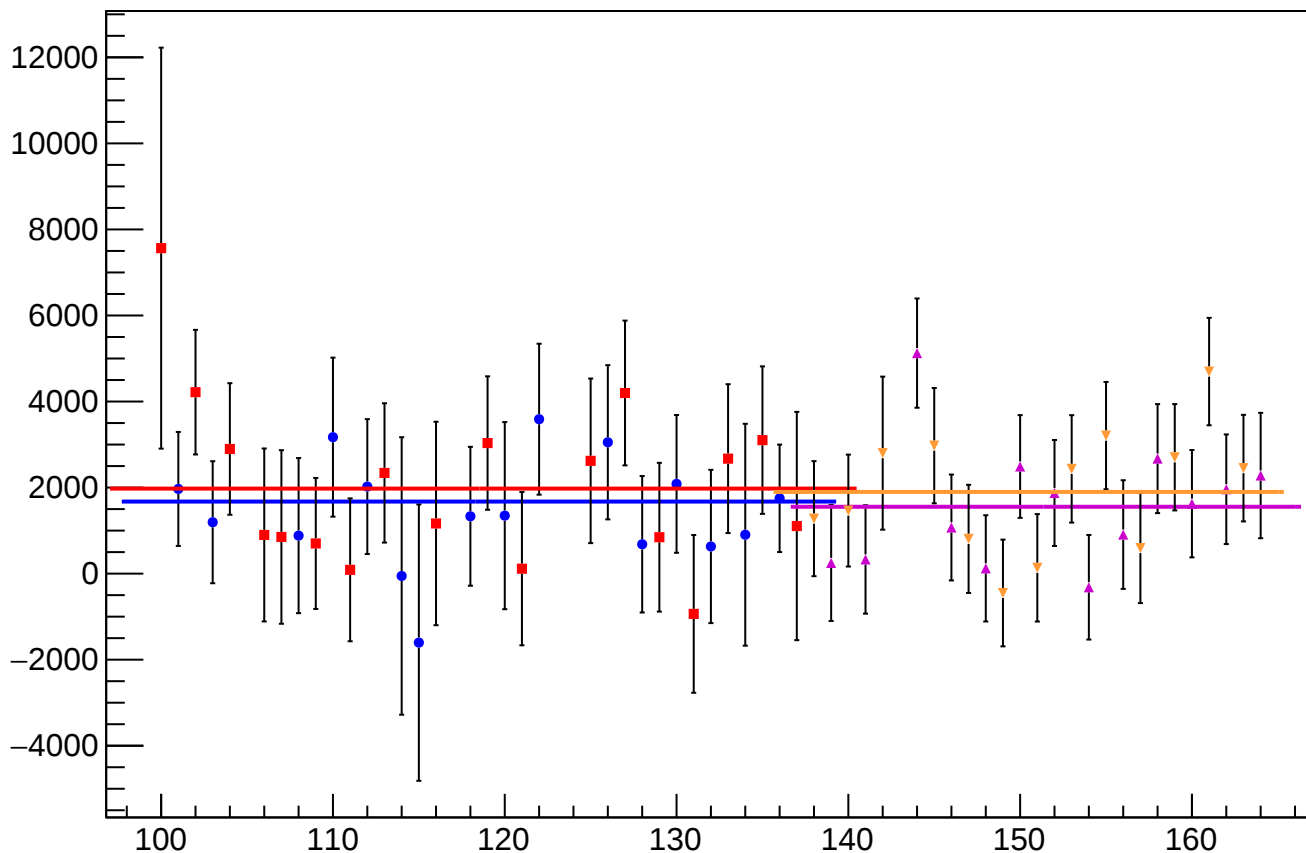
Right: 77.670 $\pm$ 0.015 χ^2 /NDF: 808427.1/33

In: 82.331 $\pm$ 0.014 χ^2 /NDF: 646418.0/28

Out: 83.909 $\pm$ 0.015 χ^2 /NDF: 575489.6/30

All: 83.104 $\pm$ 0.010 χ^2 /NDF: 1227901.2/59

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1899.026 $\pm$ 358.214 χ^2 /NDF:15.5/12

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

Left In: 1554.038 $\pm$ 350.611 χ^2 /NDF:15.7/12

Left: 1722.832 $\pm$ 250.564 χ^2 /NDF: 31.8/25

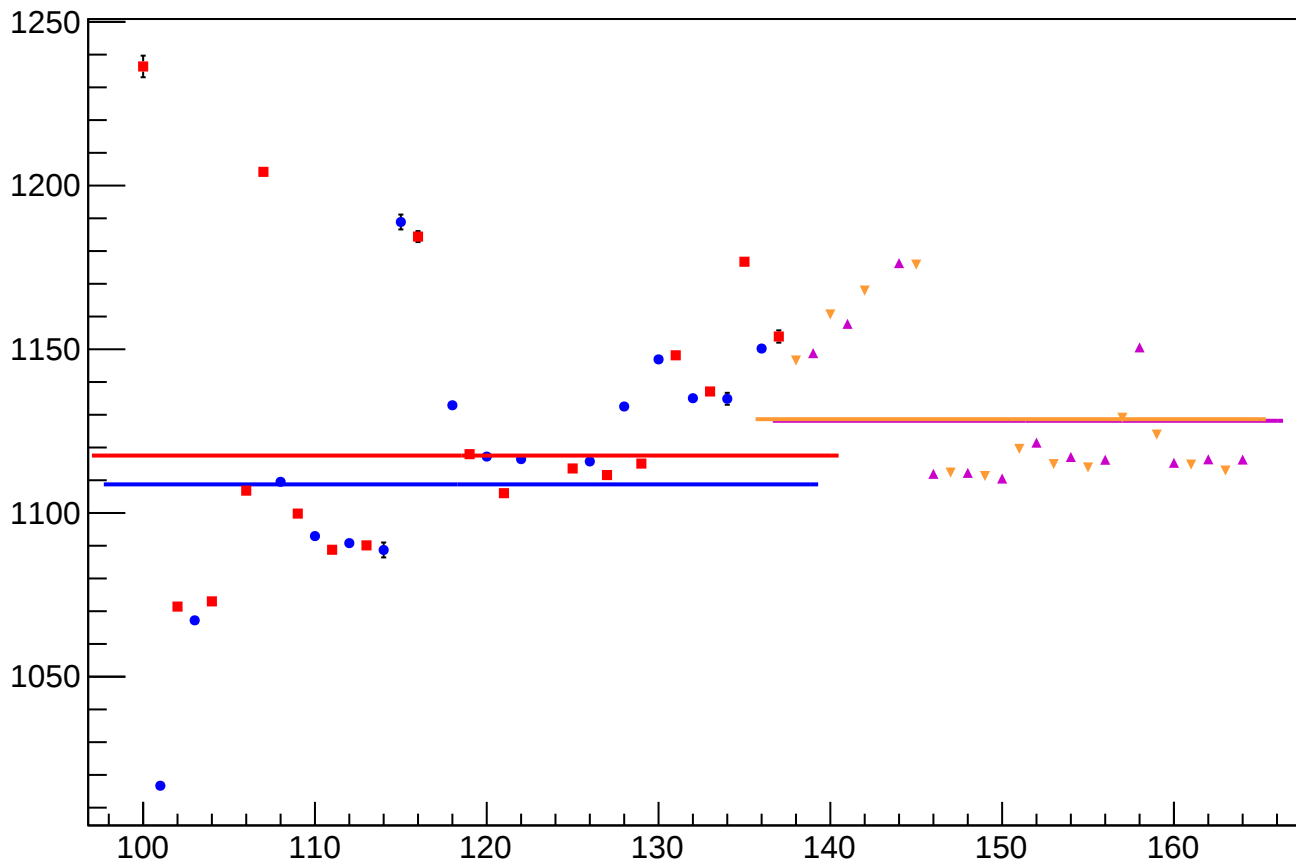
Right: 1828.538 $\pm$ 301.540 χ^2 /NDF: 19.4/33

In: 1602.260 $\pm$ 271.882 χ^2 /NDF:20.9/28

Out: 1931.349 $\pm$ 273.202 χ^2 /NDF:29.6/30

All: 1766.008 $\pm$ 192.715 χ^2 /NDF: 51.2/59

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1128.644 $\pm$ 0.253 χ^2 /NDF: 6981.5/12

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

Left In: 1128.160 $\pm$ 0.248 χ^2 /NDF: 7109.9/12

Left: 1128.397 $\pm$ 0.177 χ^2 /NDF: 14093.3/25

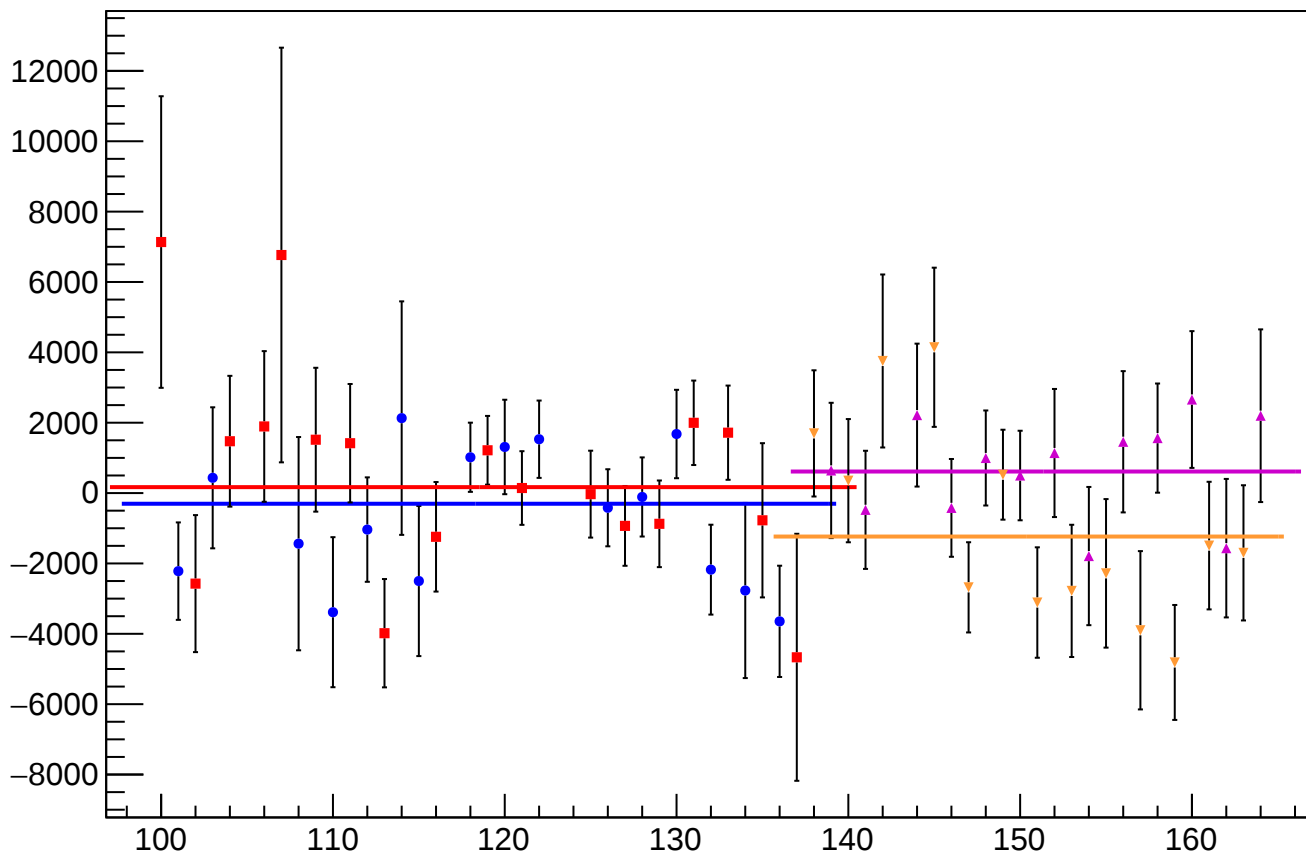
Right: 1113.224 $\pm$ 0.213 χ^2 /NDF: 34021.5/33

In: 1120.418 $\pm$ 0.192 χ^2 /NDF: 27637.1/28

Out: 1123.998 $\pm$ 0.193 χ^2 /NDF: 23300.7/30

All: 1122.199 $\pm$ 0.136 χ^2 /NDF: 51110.4/59

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -1235.576+/-483.417 χ^2/NDF : 25.1/12

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

Left In: 612.526+/-473.290 χ^2/NDF : 6.6/12

Left: -291.964+/-338.190 χ^2/NDF : 39.1/25

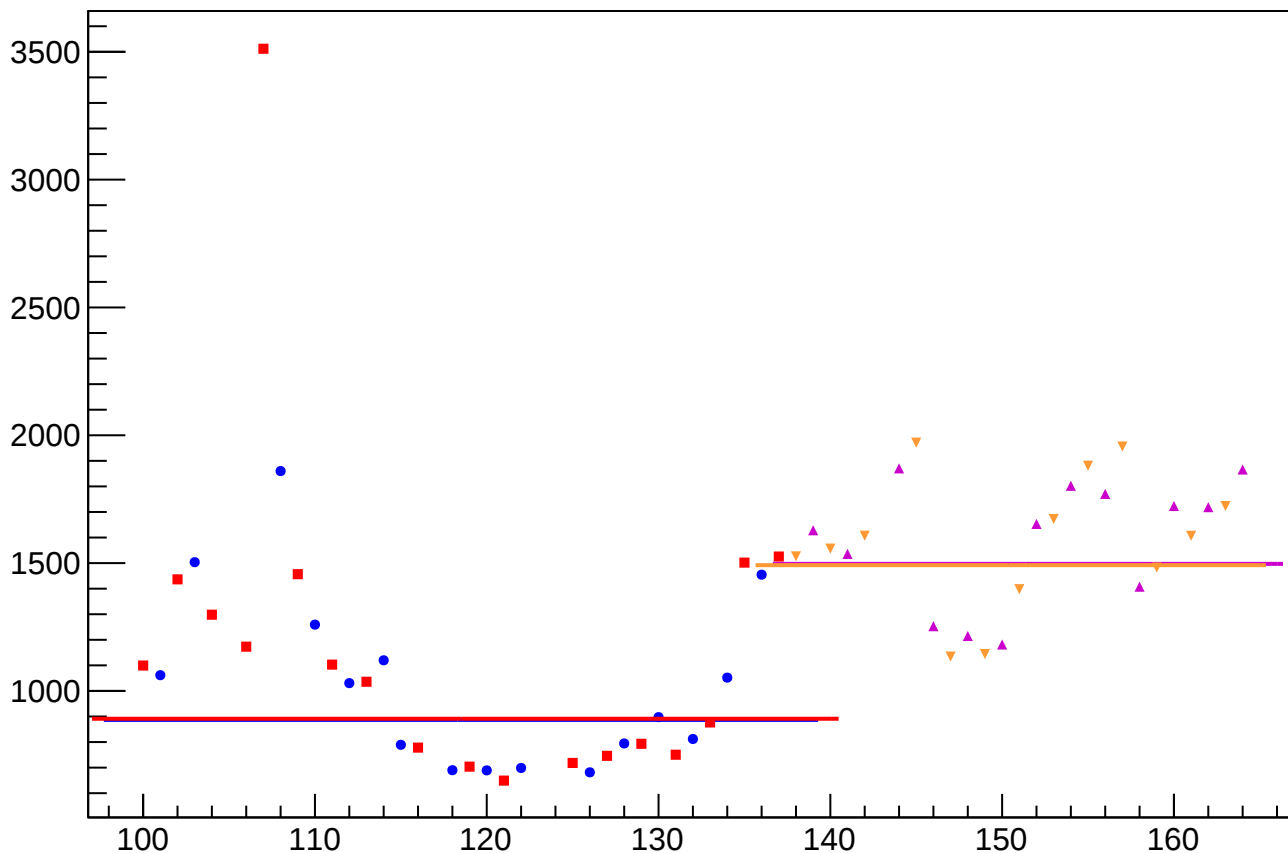
Right: -64.717+/-253.241 χ^2/NDF : 48.0/33

In: 32.420+/-286.565 χ^2/NDF : 31.2/28

Out: -325.410+/-286.781 χ^2/NDF : 55.4/30

All: -146.360+/-202.708 χ^2/NDF : 87.4/59

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1491.917+/-0.342 χ^2/NDF : 616799.0/12

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

Left In: 1497.012+/-0.335 χ^2/NDF : 554355.6/12

Left: 1494.518+/-0.239 χ^2/NDF : 1171268.0/25

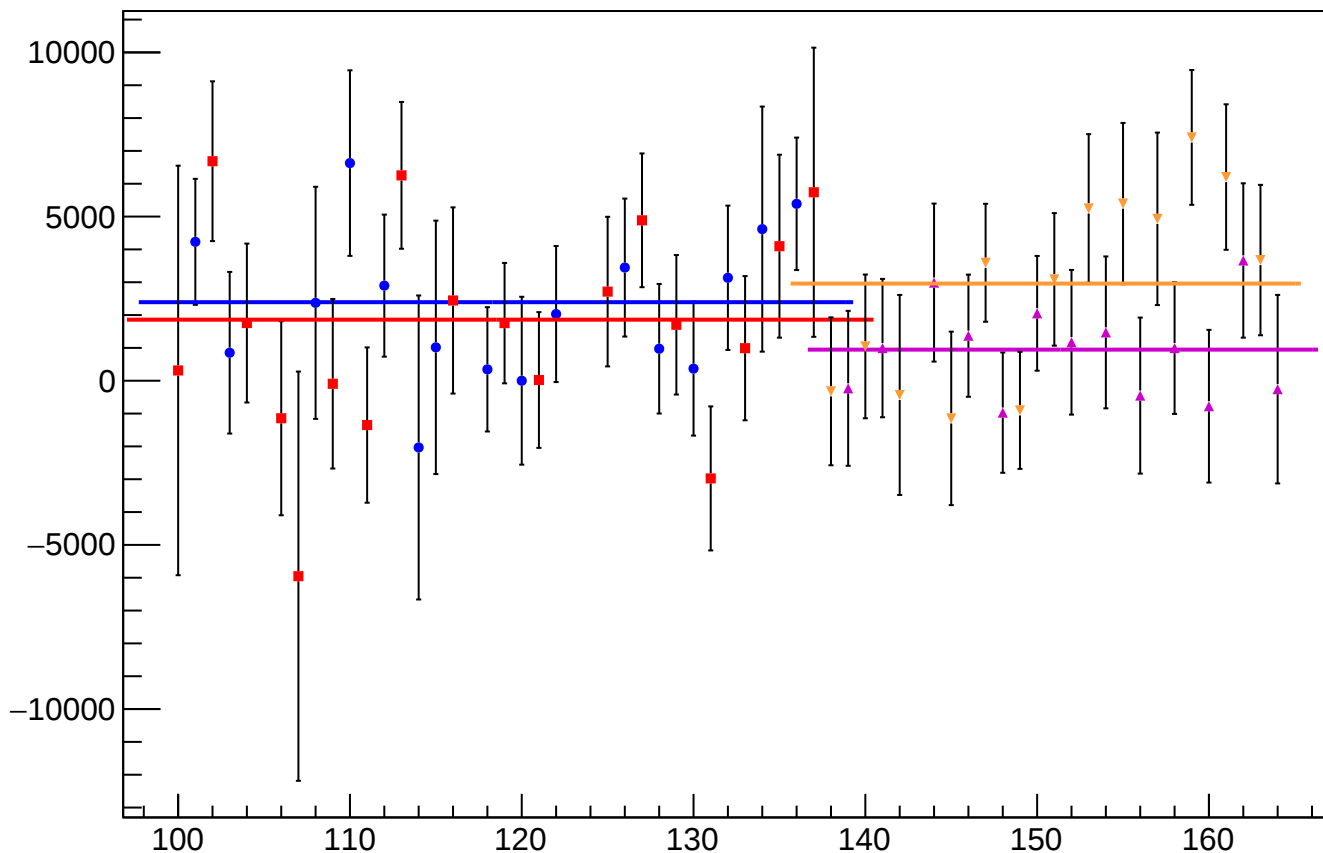
Right: 888.968+/-0.179 χ^2/NDF : 2475210.4/33

In: 1110.435+/-0.203 χ^2/NDF : 3721762.3/28

Out: 1102.608+/-0.203 χ^2/NDF : 4032472.2/30

All: 1106.524+/-0.143 χ^2/NDF : 7754980.0/59

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2959.407 $\pm$ 612.619 χ^2/NDF : 20.9/12

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

Left In: 947.270 $\pm$ 597.899 χ^2/NDF : 5.0/12

Left: 1928.875 $\pm$ 427.888 χ^2/NDF : 31.4/25

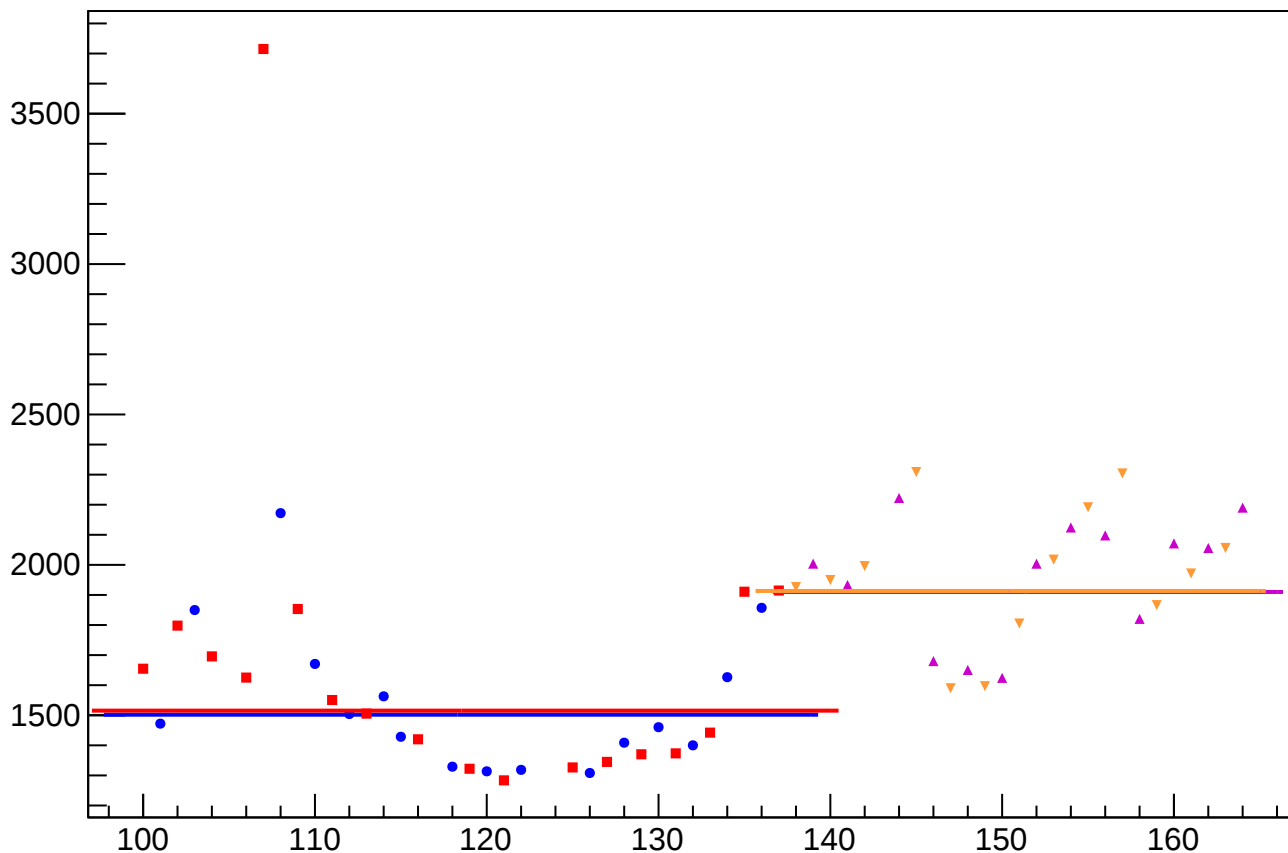
Right: 2123.458 $\pm$ 414.388 χ^2/NDF : 34.1/33

In: 1680.673 $\pm$ 419.594 χ^2/NDF : 19.1/28

Out: 2382.527 $\pm$ 422.371 χ^2/NDF : 45.1/30

All: 2029.285 $\pm$ 297.675 χ^2/NDF : 65.6/59

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1913.287 $\pm$ 0.433 χ^2/NDF : 264906.1/12

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

Left In: 1909.895 $\pm$ 0.423 χ^2/NDF : 234807.6/12

Left: 1911.549 $\pm$ 0.303 χ^2/NDF : 499745.1/25

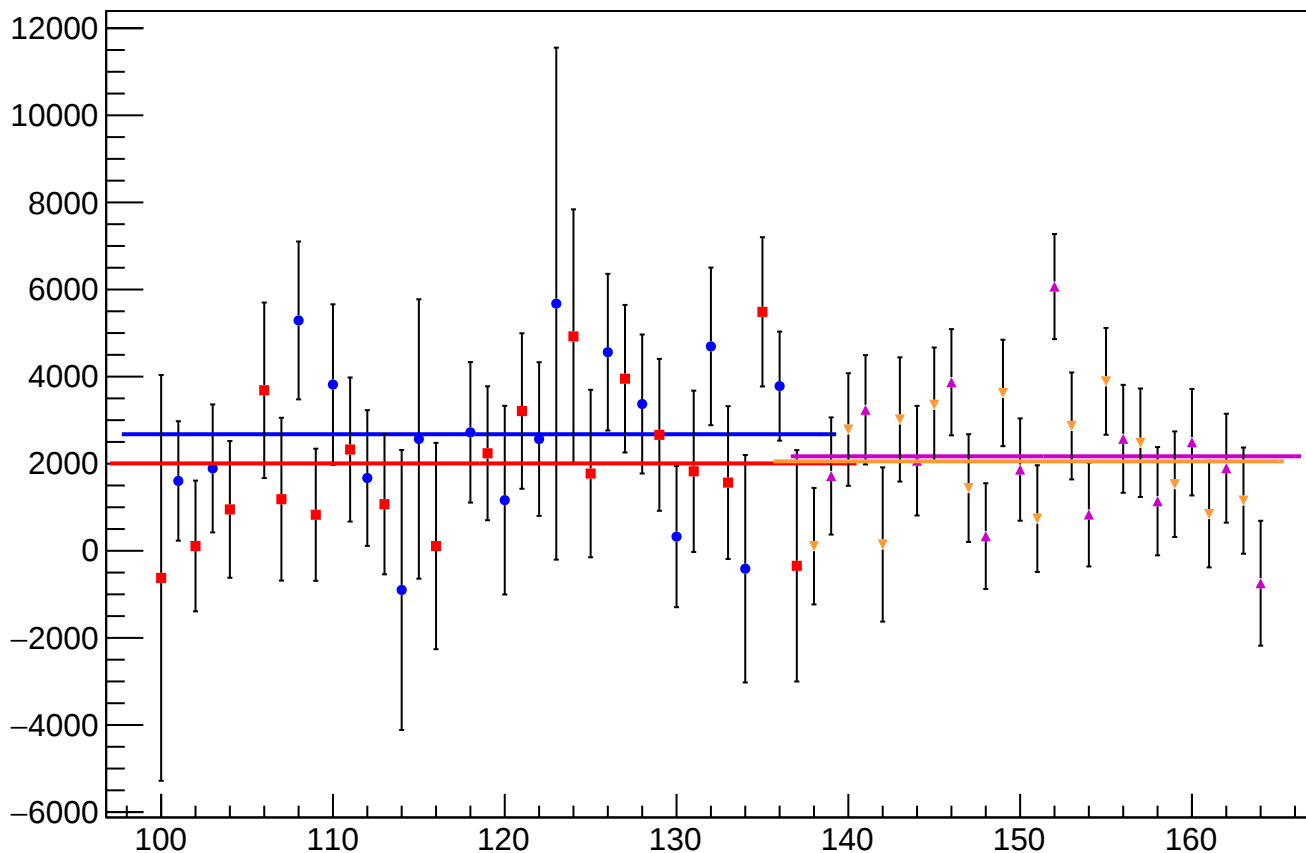
Right: 1508.739 $\pm$ 0.293 χ^2/NDF : 734837.7/33

In: 1702.854 $\pm$ 0.297 χ^2/NDF : 961904.4/28

Out: 1704.536 $\pm$ 0.299 χ^2/NDF : 1187284.9/30

All: 1703.689 $\pm$ 0.210 χ^2/NDF : 2149205.2/59

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2054.624+/-342.422 χ^2/NDF : 12.6/13

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

Left In: 2170.058+/-345.544 χ^2/NDF : 21.9/12

Left: 2111.817+/-243.225 χ^2/NDF : 34.5/26

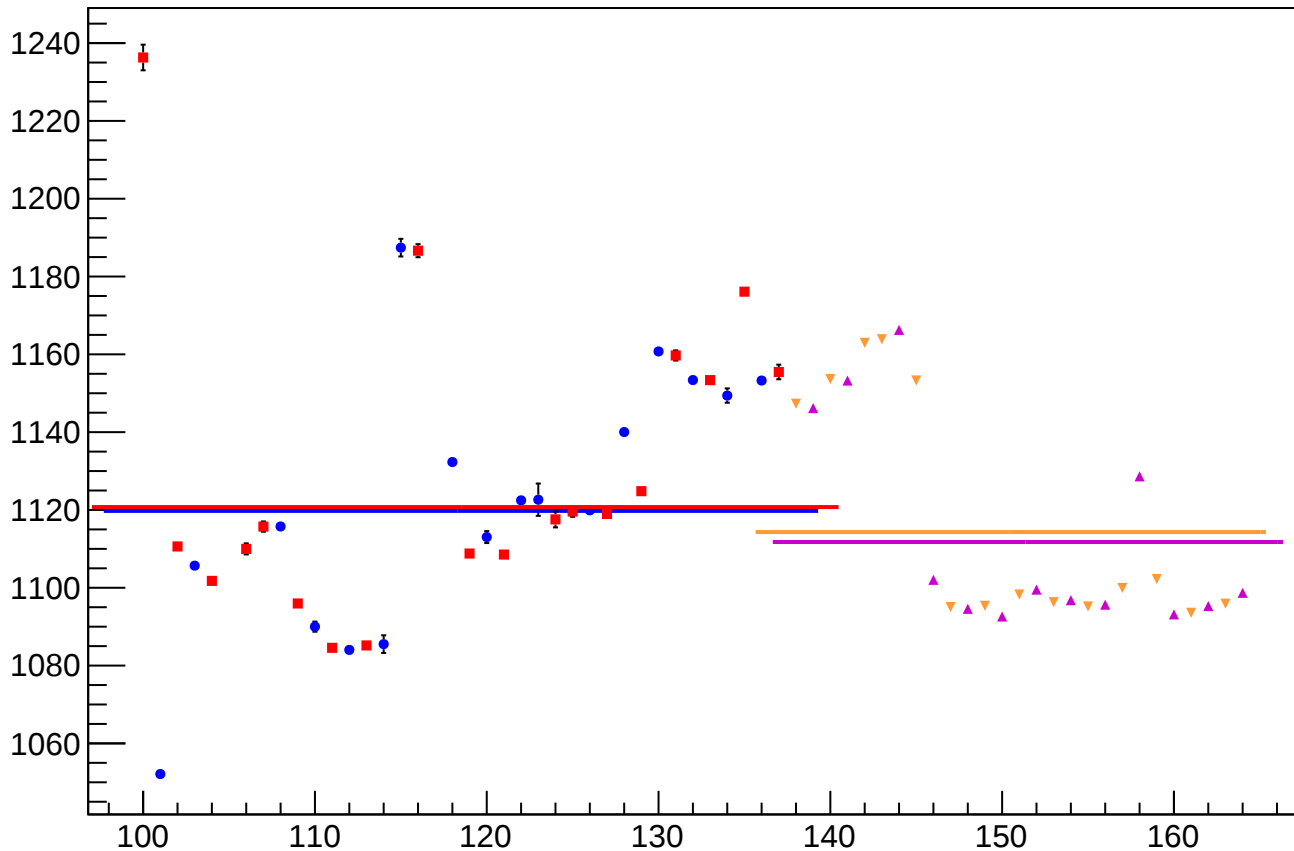
Right: 2330.304+/-301.362 χ^2/NDF : 26.6/35

In: 2366.845+/-270.226 χ^2/NDF : 35.3/29

Out: 2035.393+/-265.184 χ^2/NDF : 25.4/32

All: 2197.999+/-189.271 χ^2/NDF : 61.4/62

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1114.321 $\pm$ 0.242 χ^2 /NDF:12468.9/13

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

Left In: 1111.764 $\pm$ 0.244 χ^2 /NDF:10508.3/12

Left: 1113.054 $\pm$ 0.172 χ^2 /NDF: 23032.4/26

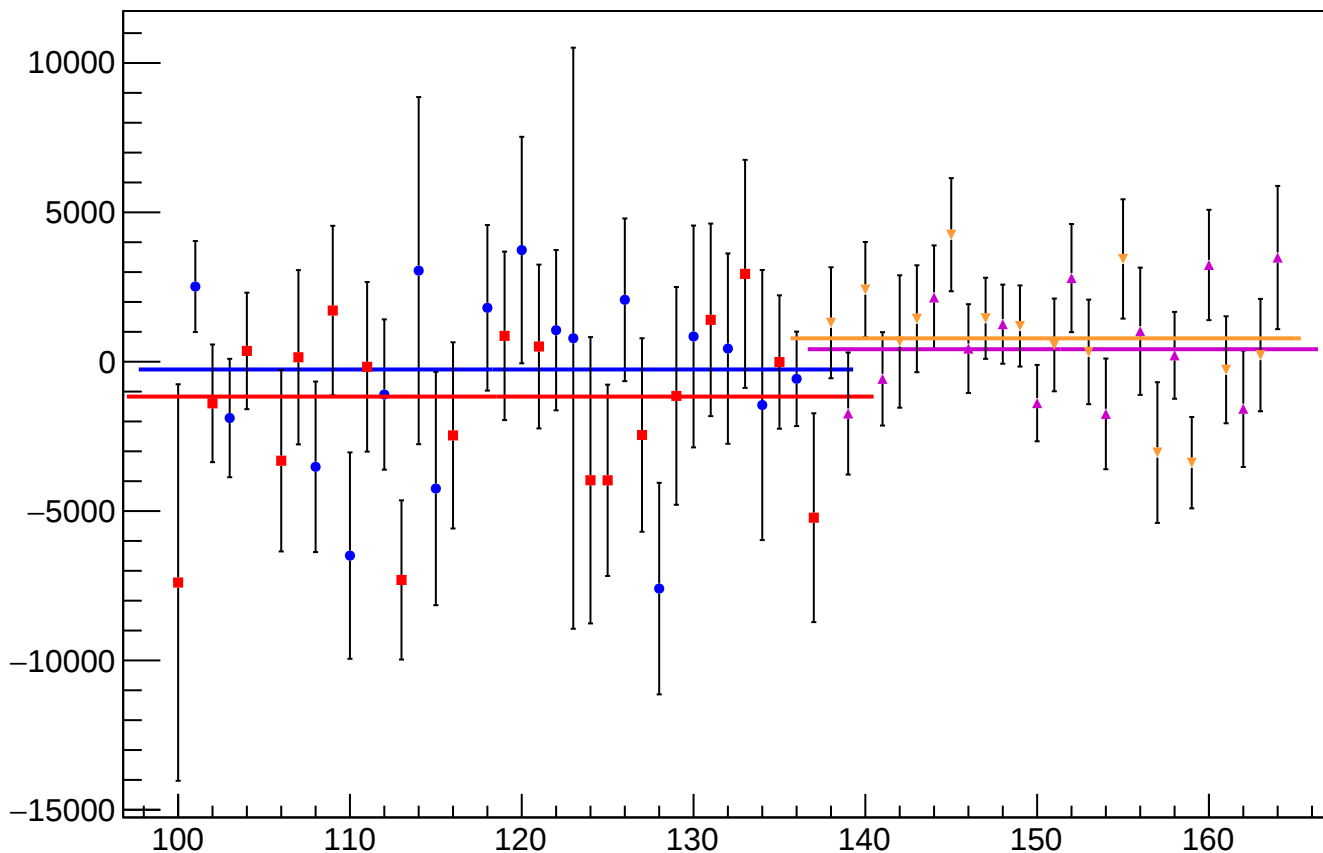
Right: 1120.271 $\pm$ 0.213 χ^2 /NDF: 21816.3/35

In: 1114.870 $\pm$ 0.191 χ^2 /NDF:22801.3/29

Out: 1116.893 $\pm$ 0.188 χ^2 /NDF:22684.8/32

All: 1115.901 $\pm$ 0.134 χ^2 /NDF: 45543.3/62

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 782.723 $\pm$ 458.502 χ^2/NDF : 17.3/13

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

Left In: 418.224 $\pm$ 464.633 χ^2/NDF : 13.1/12

Left: 602.894 $\pm$ 326.356 χ^2/NDF : 30.7/26

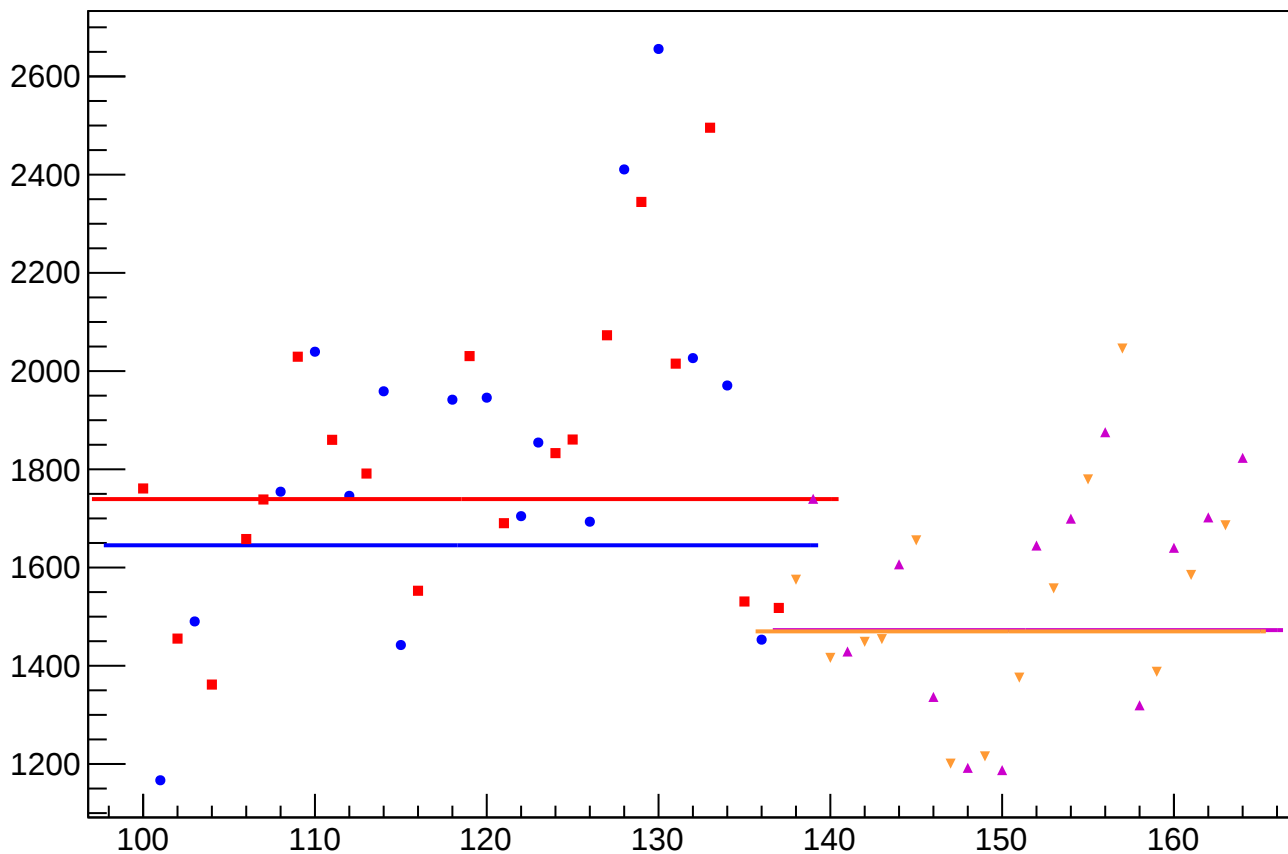
Right: -708.782 $\pm$ 465.858 χ^2/NDF : 32.6/35

In: 191.375 $\pm$ 379.021 χ^2/NDF : 31.0/29

Out: 151.009 $\pm$ 377.004 χ^2/NDF : 37.6/32

All: 171.084 $\pm$ 267.292 χ^2/NDF : 68.6/62

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1470.030+/-0.324 χ^2/NDF : 397442.5/13

Right Out: 1739.382+/-0.468 χ^2/NDF : 371012.9/18

Left In: 1472.594+/-0.329 χ^2/NDF : 482206.0/12

Left: 1471.295+/-0.231 χ^2/NDF : 879679.4/26

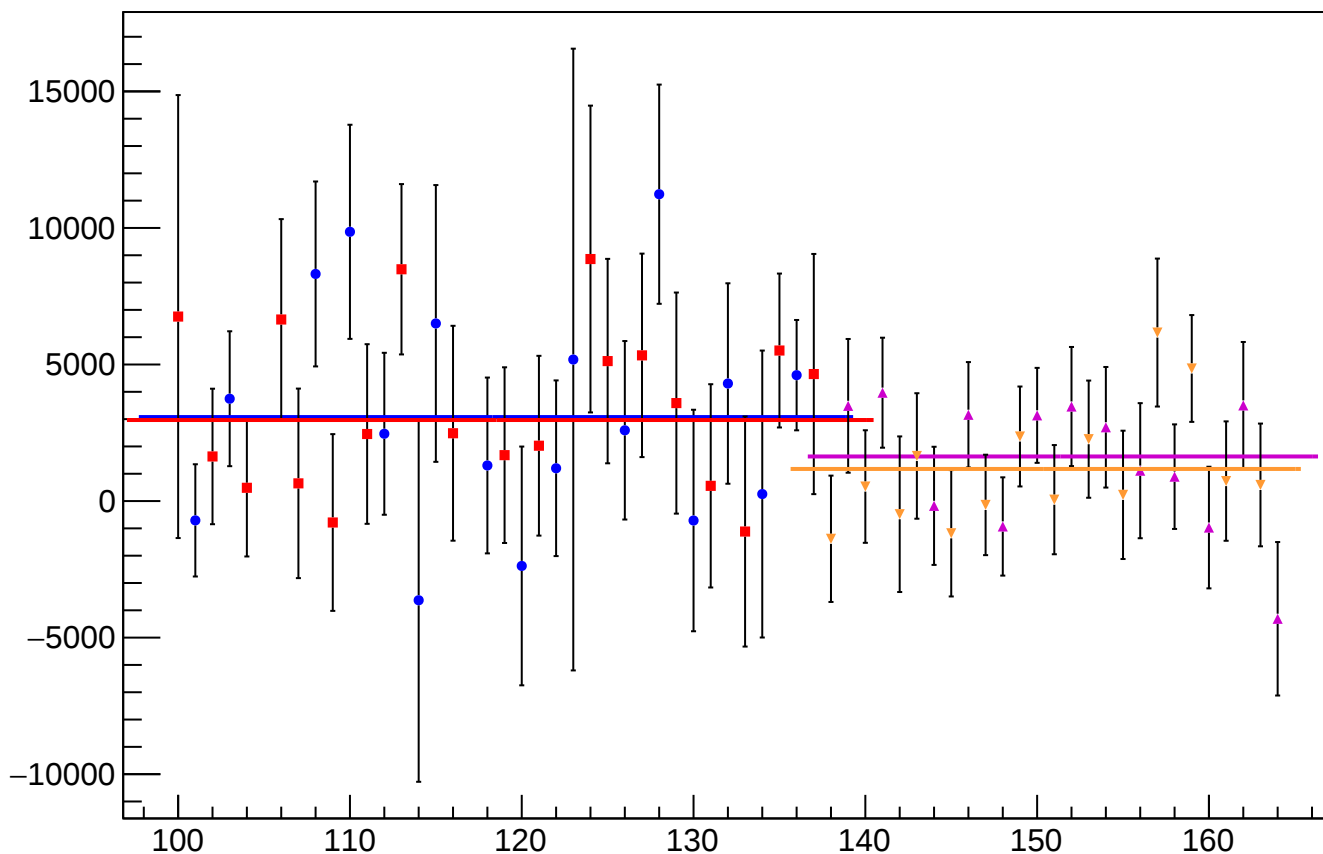
Right: 1691.833+/-0.329 χ^2/NDF : 992315.5/35

In: 1530.377+/-0.268 χ^2/NDF : 1175577.9/29

Out: 1557.274+/-0.267 χ^2/NDF : 992019.0/32

All: 1543.897+/-0.189 χ^2/NDF : 2172659.5/62

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1175.606 $\pm$ 580.244 χ^2 /NDF: 11.5/13

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

Left In: 1632.794 $\pm$ 587.149 χ^2 /NDF: 13.6/12

Left: 1401.496 $\pm$ 412.714 χ^2 /NDF: 25.4/26

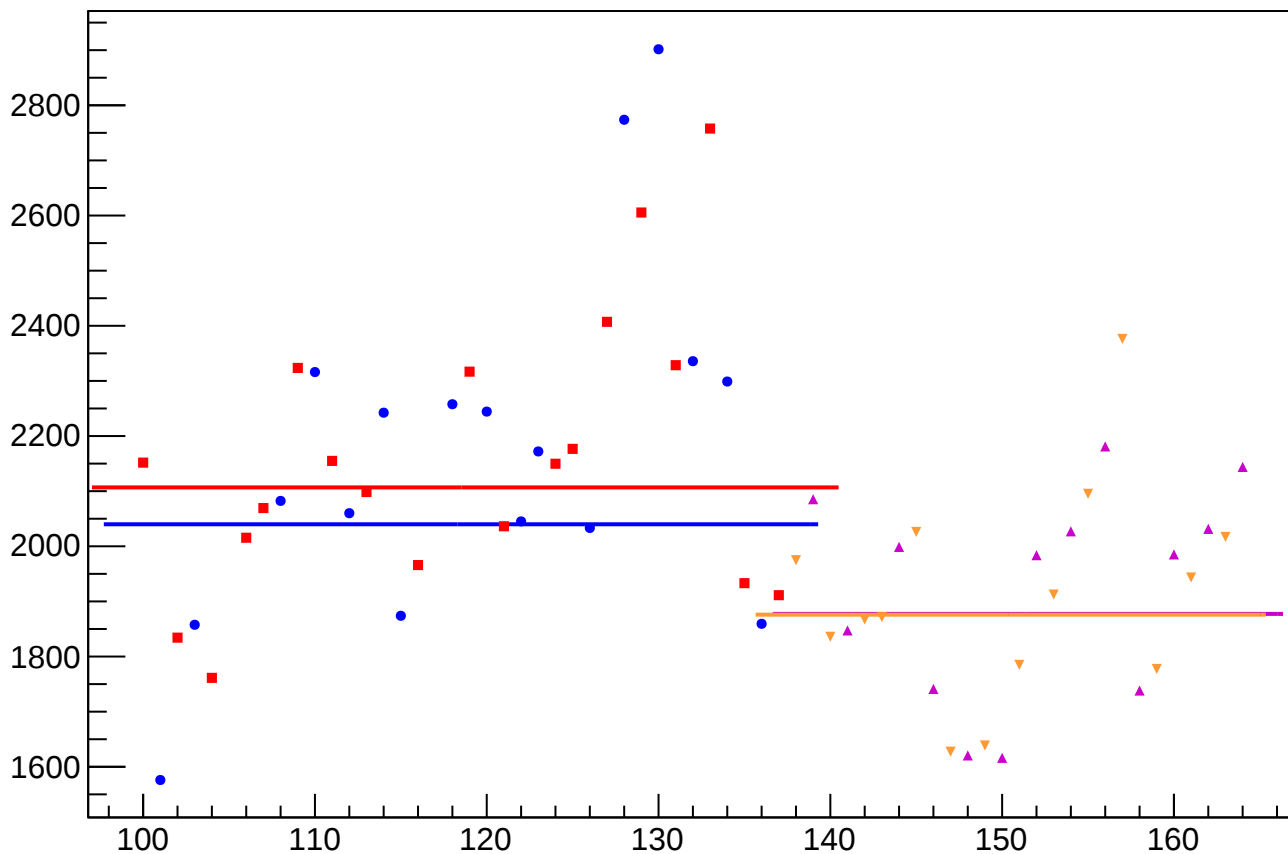
Right: 3021.022 $\pm$ 564.924 χ^2 /NDF: 30.5/35

In: 2135.987 $\pm$ 473.808 χ^2 /NDF: 34.4/29

Out: 1797.755 $\pm$ 468.816 χ^2 /NDF: 26.6/32

All: 1965.080 $\pm$ 333.254 χ^2 /NDF: 61.2/62

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1875.979+/-0.410 χ^2/NDF :188261.7/13

Right Out: 2106.832+/-0.563 χ^2/NDF : 195448.9/18

Left In: 1877.356+/-0.415 χ^2/NDF :203193.2/12

Left: 1876.659+/-0.292 χ^2/NDF : 391460.5/26

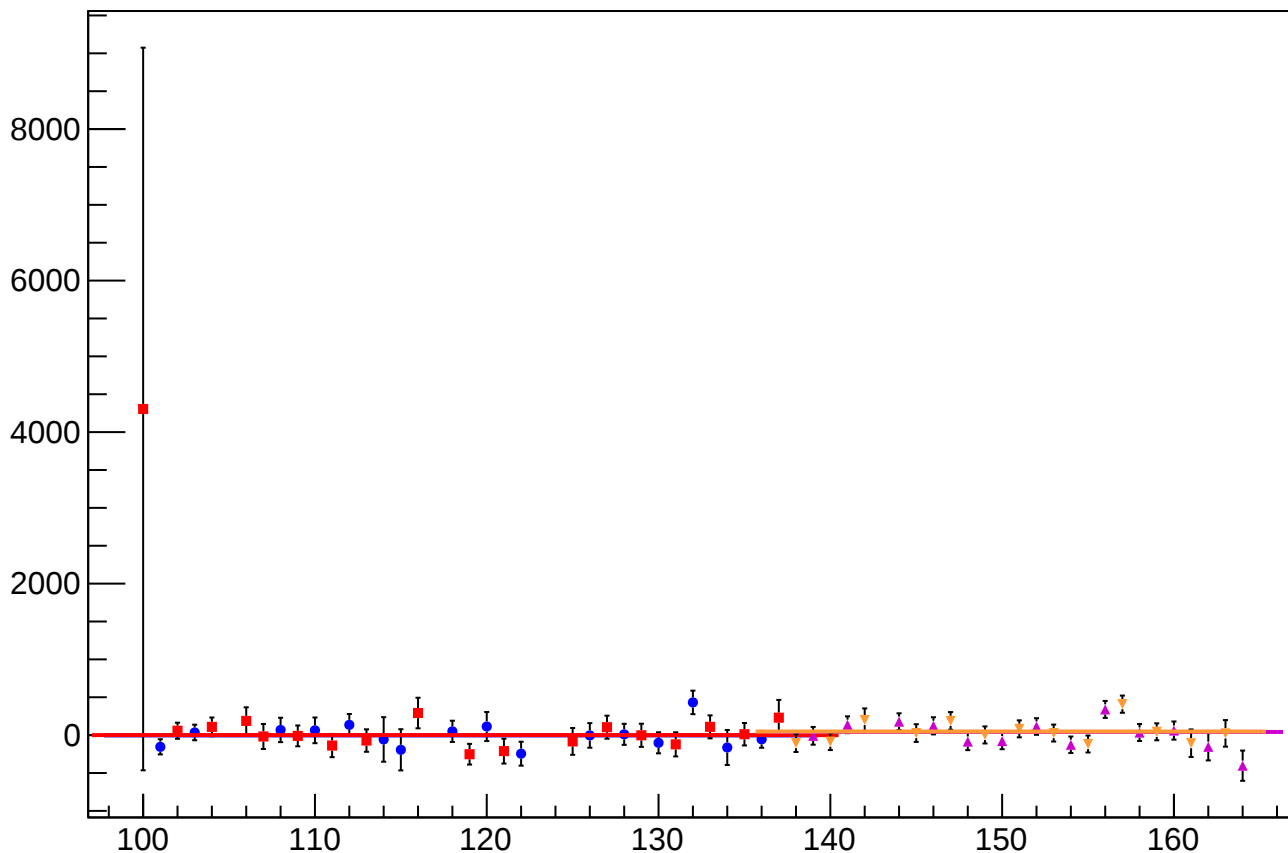
Right: 2073.664+/-0.399 χ^2/NDF : 534442.4/35

In: 1934.067+/-0.335 χ^2/NDF :588668.8/29

Out: 1956.130+/-0.332 χ^2/NDF :493625.3/32

All: 1945.215+/-0.236 χ^2/NDF : 1084485.3/62

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 47.718+/-33.681 χ^2 /NDF:18.9/12

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

Left In: 41.988+/-32.781 χ^2 /NDF:21.5/12

Left: 44.775+/-23.491 χ^2 /NDF: 40.5/25

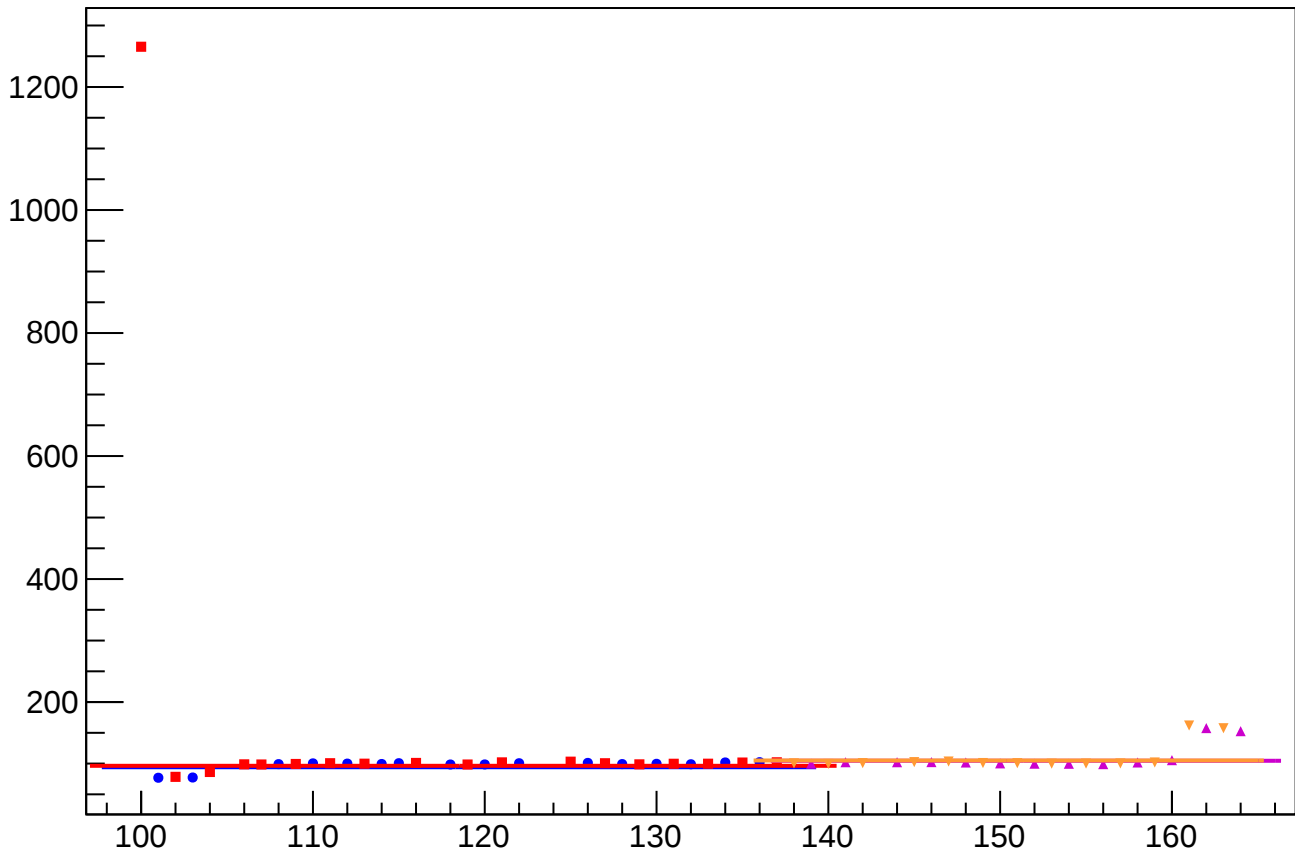
Right: -1.397+/-25.955 χ^2 /NDF: 30.1/33

In: 21.907+/-24.452 χ^2 /NDF:38.5/28

Out: 26.124+/-24.814 χ^2 /NDF:33.8/30

All: 23.984+/-17.417 χ^2 /NDF: 72.3/59

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 105.028 $\pm$ 0.024 χ^2 /NDF: 405660.0/12

Right Out: 96.372 $\pm$ 0.026 χ^2 /NDF: 209228.5/17

Left In: 104.546 $\pm$ 0.023 χ^2 /NDF: 314248.7/12

Left: 104.781 $\pm$ 0.017 χ^2 /NDF: 720119.0/25

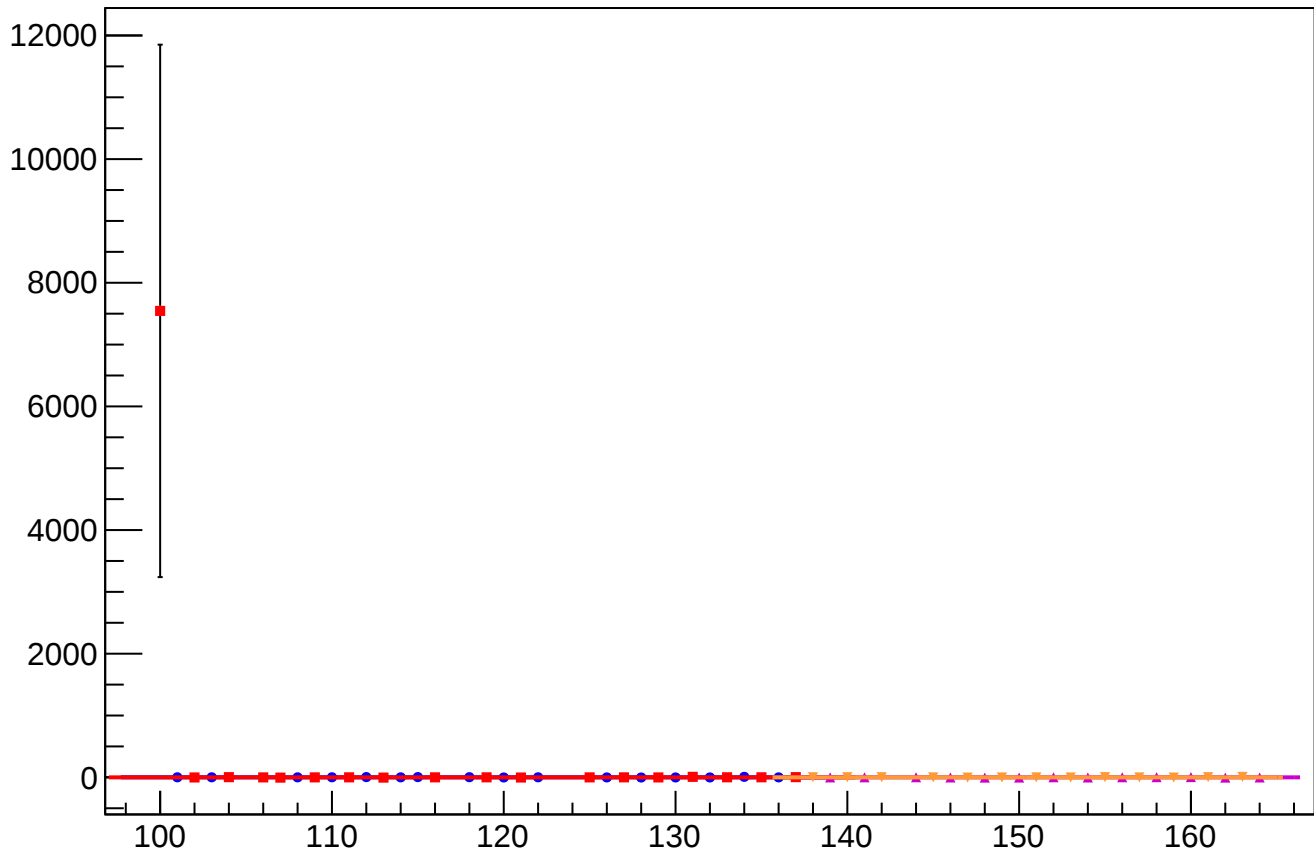
Right: 95.221 $\pm$ 0.018 χ^2 /NDF: 365453.7/33

In: 99.898 $\pm$ 0.017 χ^2 /NDF: 557176.8/28

Out: 101.071 $\pm$ 0.018 χ^2 /NDF: 675286.6/30

All: 100.476 $\pm$ 0.012 χ^2 /NDF: 1234728.1/59

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.427+/-0.583 χ^2/NDF :19.0/12

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

Left In: -0.028+/-0.596 χ^2/NDF :20.0/12

Left: -0.232+/-0.417 χ^2/NDF : 39.2/25

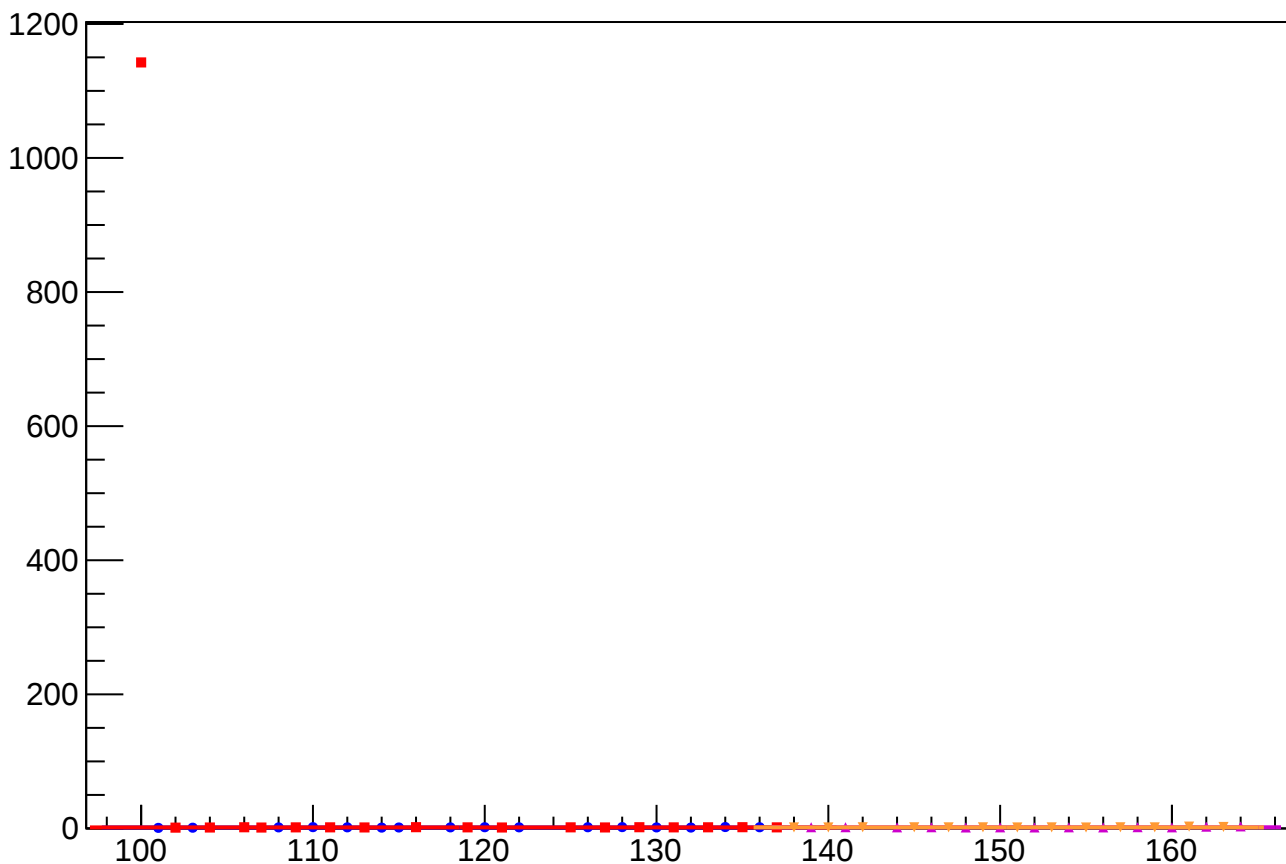
Right: 0.073+/-0.445 χ^2/NDF : 33.2/33

In: 0.192+/-0.428 χ^2/NDF :30.0/28

Out: -0.375+/-0.432 χ^2/NDF :41.8/30

All: -0.089+/-0.304 χ^2/NDF : 72.7/59

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.655+/-0.000 χ^2/NDF : 339124.9/12

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

Left In: 1.758+/-0.000 χ^2/NDF : 469520.4/12

Left: 1.705+/-0.000 χ^2/NDF : 838936.4/25

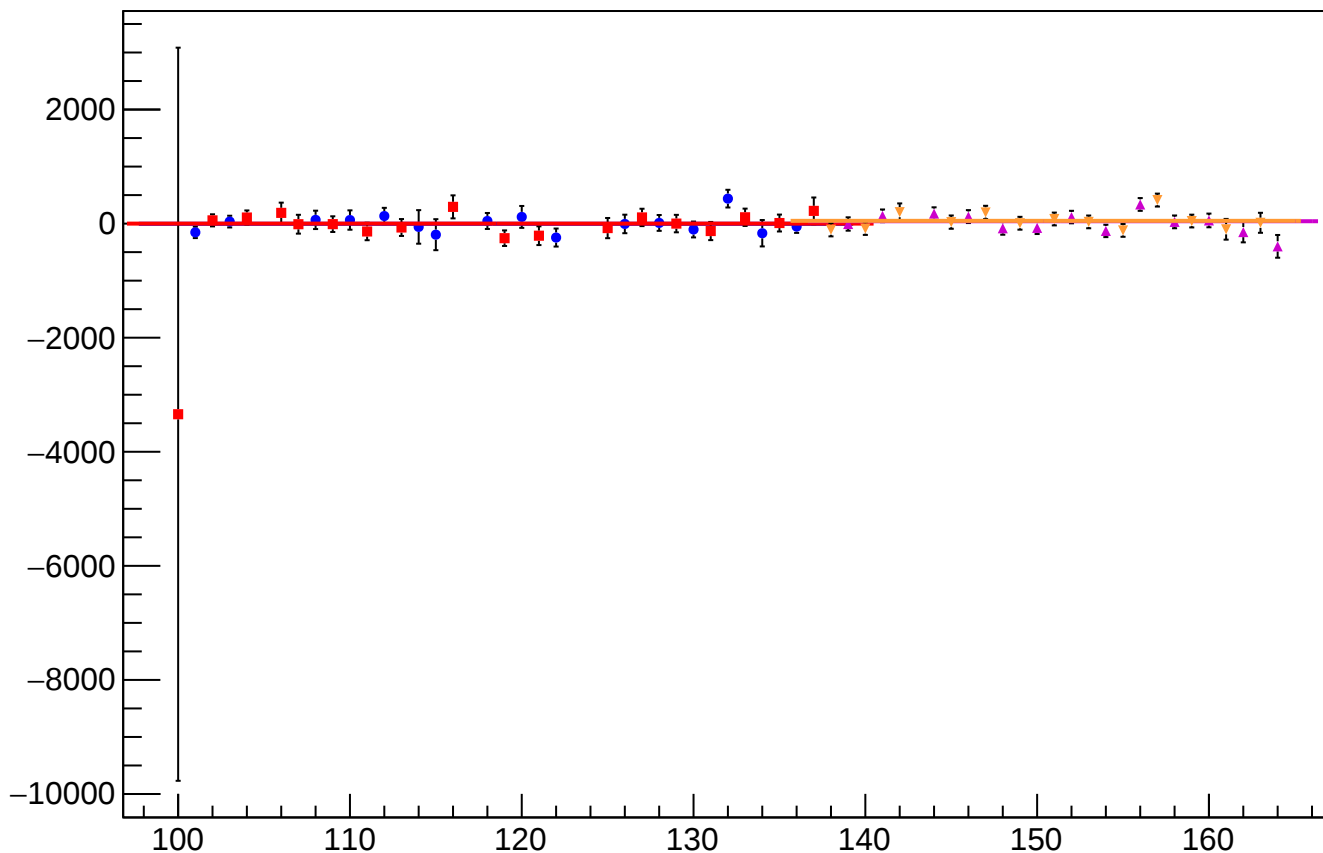
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

In: 1.594+/-0.000 χ^2/NDF : 1511773.5/28

Out: 1.610+/-0.000 χ^2/NDF : 681290.4/30

All: 1.602+/-0.000 χ^2/NDF : 2194447.2/59

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 48.748 ± 33.690 $\chi^2/\text{NDF}: 19.3/12$

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

Left In: 41.830 ± 32.790 $\chi^2/\text{NDF}: 21.0/12$

Left: 45.195 ± 23.498 $\chi^2/\text{NDF}: 40.4/25$

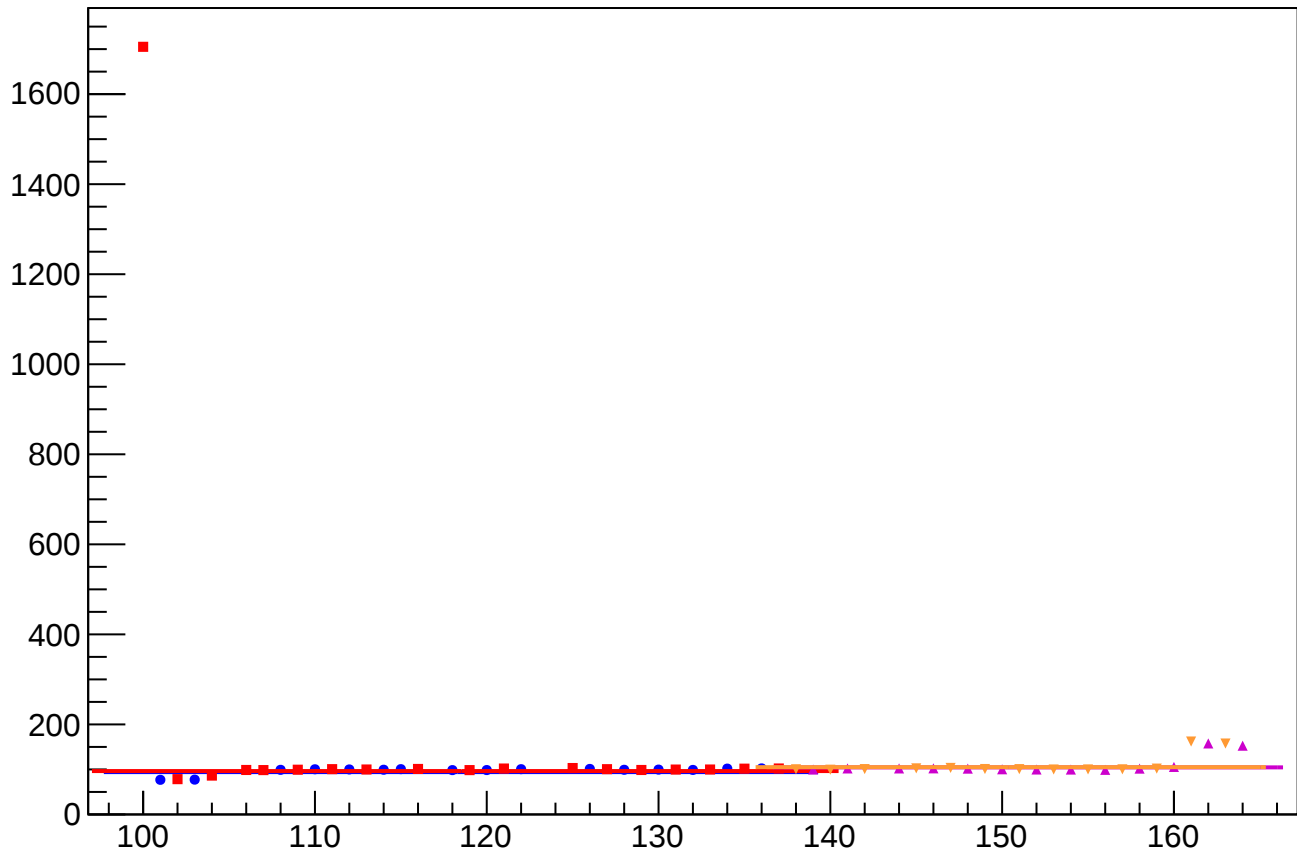
Right: -1.463 ± 25.962 $\chi^2/\text{NDF}: 29.8/33$

In: 21.899 ± 24.459 $\chi^2/\text{NDF}: 38.2/28$

Out: 26.539 ± 24.821 $\chi^2/\text{NDF}: 33.8/30$

All: 24.185 ± 17.422 $\chi^2/\text{NDF}: 72.0/59$

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 105.056+/-0.024 χ^2/NDF : 405845.9/12

Right Out: 96.381+/-0.026 χ^2/NDF : 214362.3/17

Left In: 104.575+/-0.023 χ^2/NDF : 314319.2/12

Left: 104.809+/-0.017 χ^2/NDF : 720374.6/25

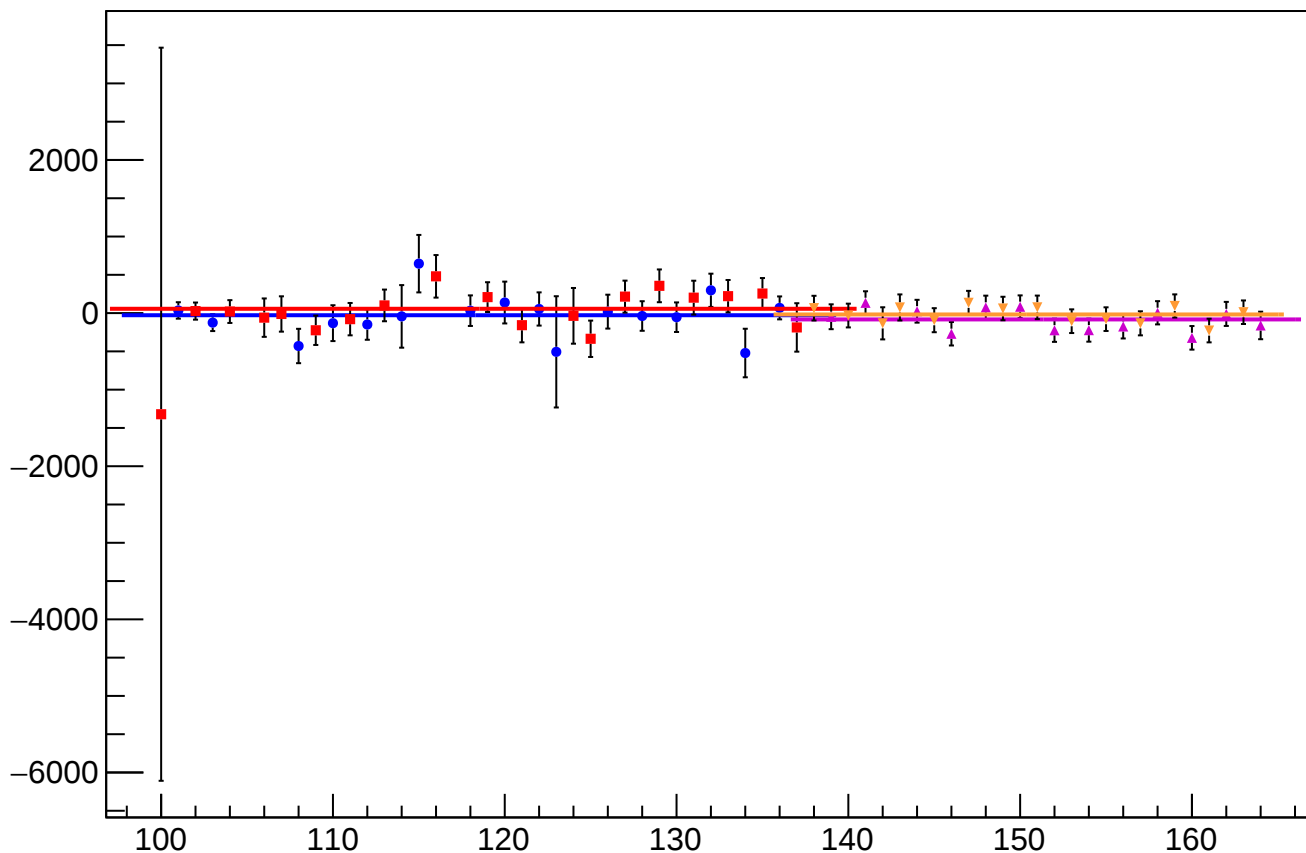
Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33

In: 99.925+/-0.017 χ^2/NDF : 557294.1/28

Out: 101.090+/-0.018 χ^2/NDF : 680841.3/30

All: 100.499+/-0.012 χ^2/NDF : 1240370.2/59

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -17.918+/-42.404 χ^2/NDF : 6.1/13

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

Left In: -82.760+/-42.914 χ^2/NDF : 11.7/12

Left: -49.951+/-30.163 χ^2/NDF : 19.0/26

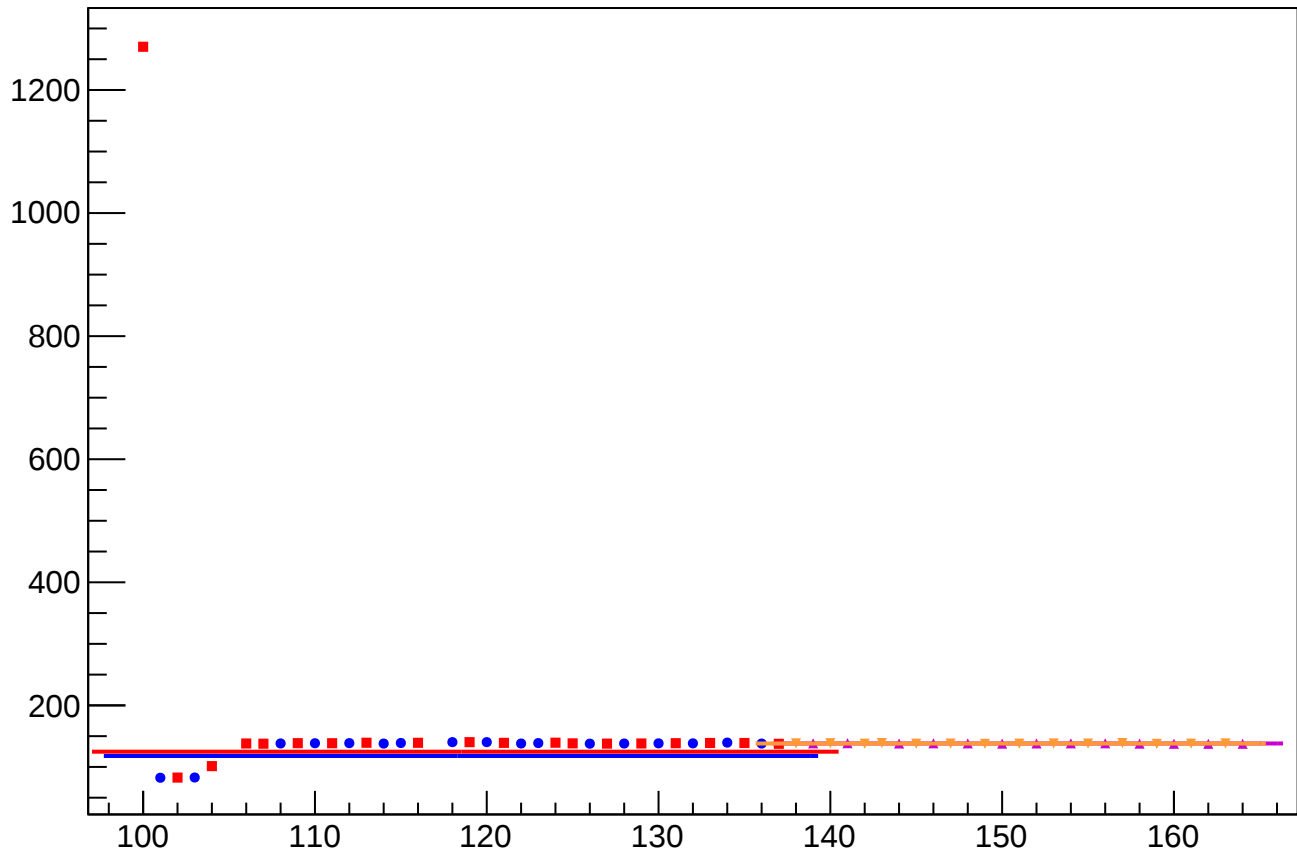
Right: 13.449+/-33.401 χ^2/NDF : 30.8/35

In: -57.661+/-31.622 χ^2/NDF : 26.7/29

Out: 14.881+/-31.694 χ^2/NDF : 22.4/32

All: -21.472+/-22.386 χ^2/NDF : 51.7/62

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.033 $\pm$ 0.030 χ^2 /NDF:172.6/13

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

Left In: 138.100 $\pm$ 0.030 χ^2 /NDF:104.1/12

Left: 138.066 $\pm$ 0.021 χ^2 /NDF: 279.1/26

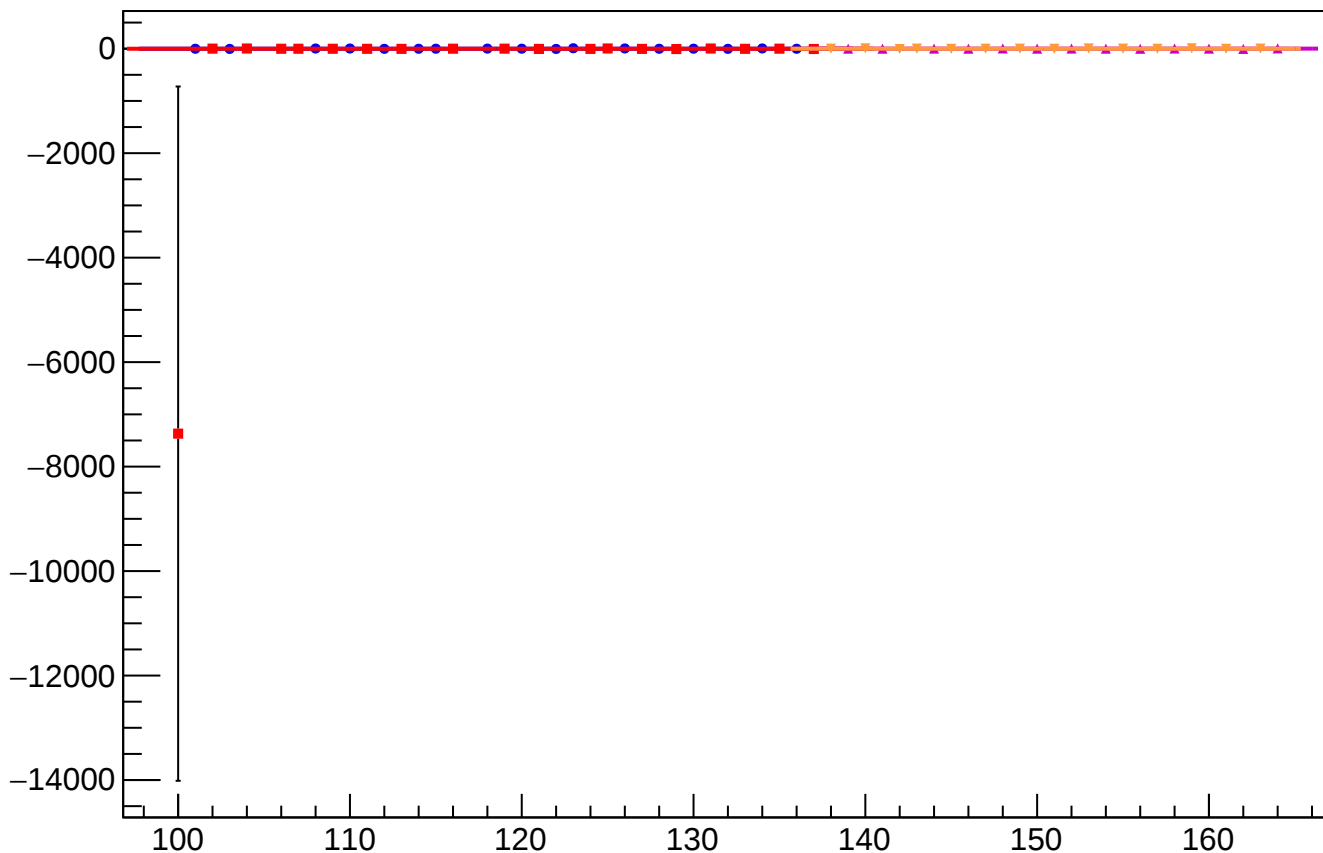
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

In: 128.830 $\pm$ 0.022 χ^2 /NDF:870915.4/29

Out: 132.176 $\pm$ 0.022 χ^2 /NDF:656378.3/32

All: 130.499 $\pm$ 0.016 χ^2 /NDF: 1538470.6/62

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.582 $\pm$ 0.729 χ^2/NDF :19.6/13

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

Left In: 1.206 $\pm$ 0.724 χ^2/NDF :10.3/12

Left: 0.897 $\pm$ 0.514 χ^2/NDF : 30.2/26

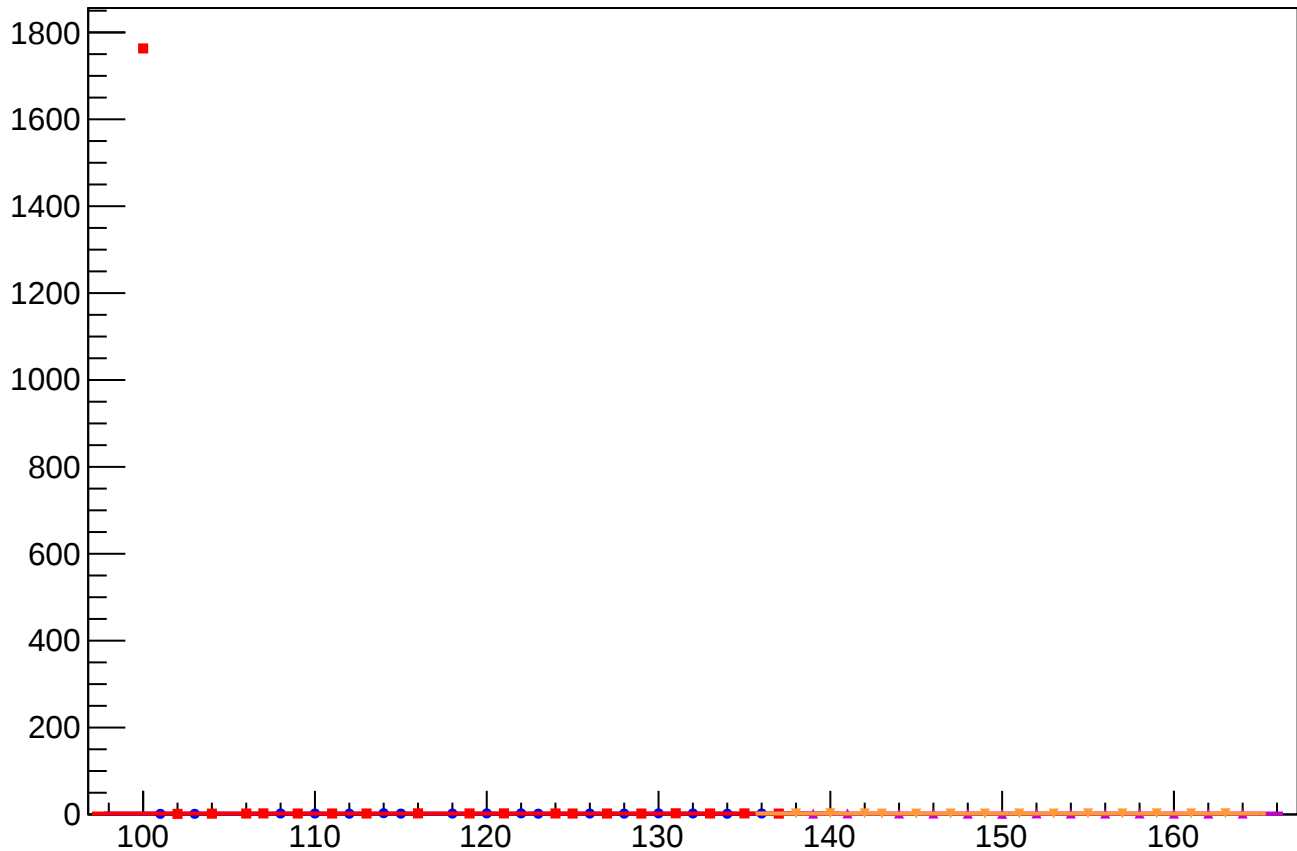
Right: -0.673 $\pm$ 0.587 χ^2/NDF : 26.3/35

In: 0.362 $\pm$ 0.540 χ^2/NDF :26.0/29

Out: 0.061 $\pm$ 0.554 χ^2/NDF :34.4/32

All: 0.215 $\pm$ 0.386 χ^2/NDF : 60.6/62

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.176 $\pm$ 0.001 χ^2 /NDF: 209307.1/13

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

Left In: 2.086 $\pm$ 0.001 χ^2 /NDF: 273182.1/12

Left: 2.131 $\pm$ 0.000 χ^2 /NDF: 497871.7/26

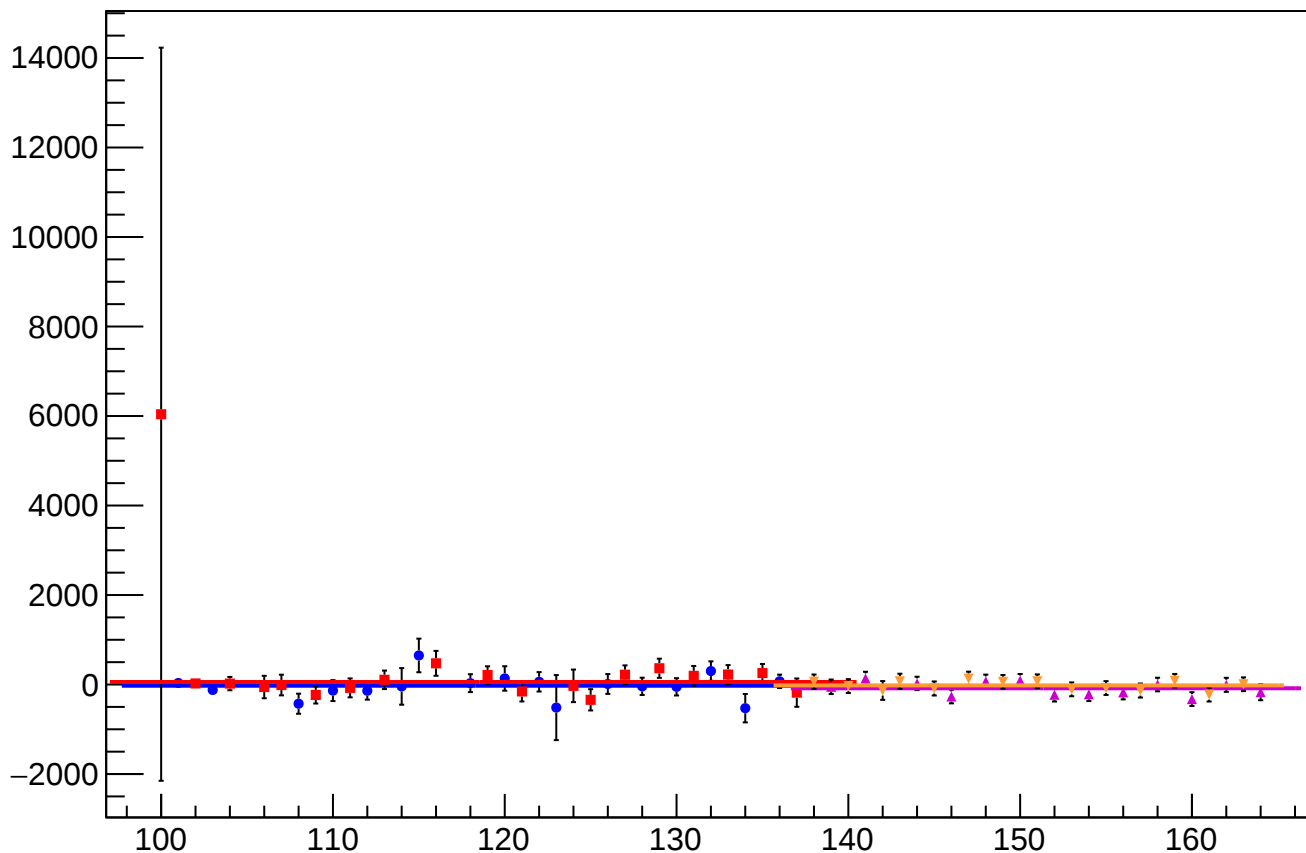
Right: 1.962 $\pm$ 0.000 χ^2 /NDF: 1074296.8/35

In: 1.990 $\pm$ 0.000 χ^2 /NDF: 845899.9/29

Out: 2.129 $\pm$ 0.000 χ^2 /NDF: 754336.5/32

All: 2.058 $\pm$ 0.000 χ^2 /NDF: 1665159.2/62

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -19.143+/-42.415 χ^2/NDF : 5.9/13

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

Left In: -83.535+/-42.926 χ^2/NDF : 11.7/12

Left: -50.954+/-30.171 χ^2/NDF : 18.7/26

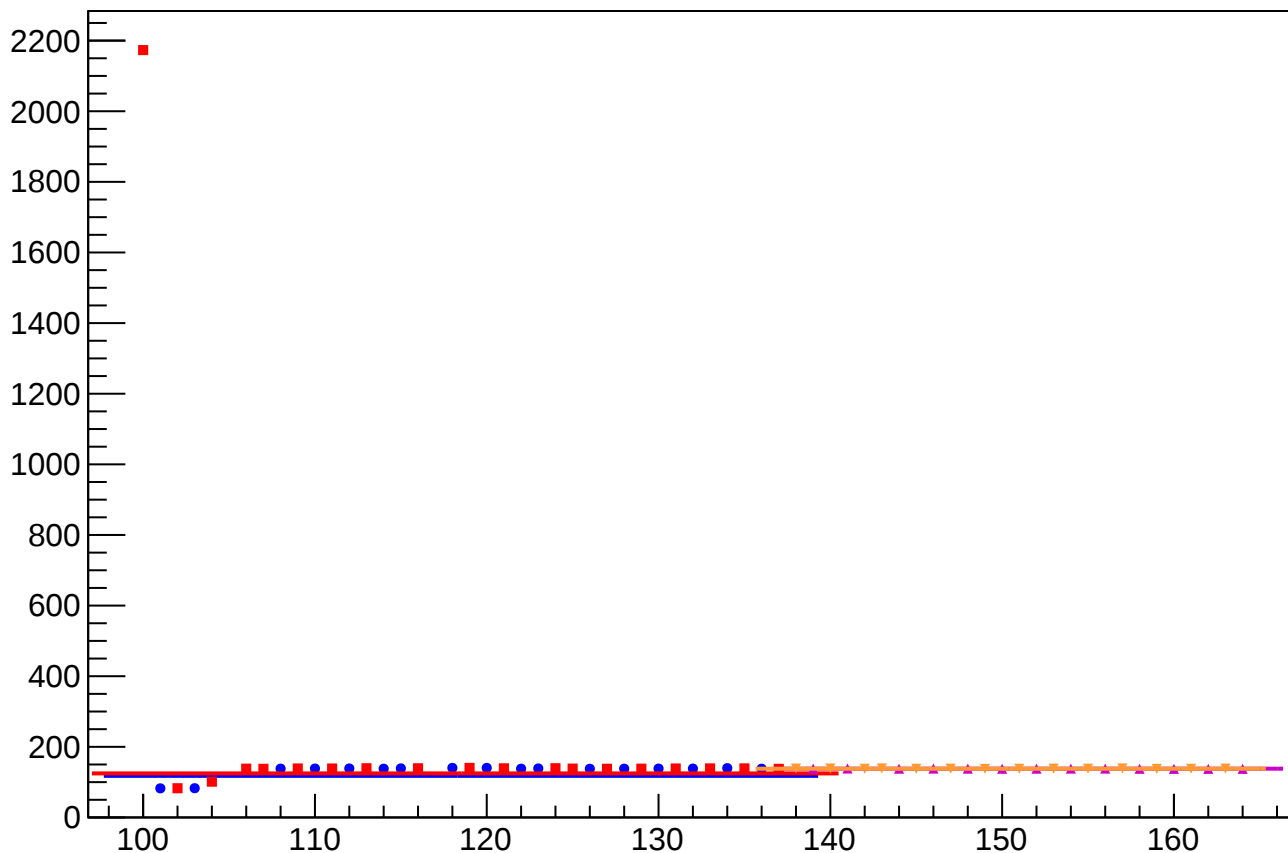
Right: 14.681+/-33.410 χ^2/NDF : 31.4/35

In: -57.359+/-31.631 χ^2/NDF : 26.9/29

Out: 14.579+/-31.703 χ^2/NDF : 22.8/32

All: -21.472+/-22.392 χ^2/NDF : 52.3/62

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.069 $\pm$ 0.030 χ^2 /NDF: 172.3/13

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

Left In: 138.138 $\pm$ 0.030 χ^2 /NDF: 103.3/12

Left: 138.103 $\pm$ 0.021 χ^2 /NDF: 278.2/26

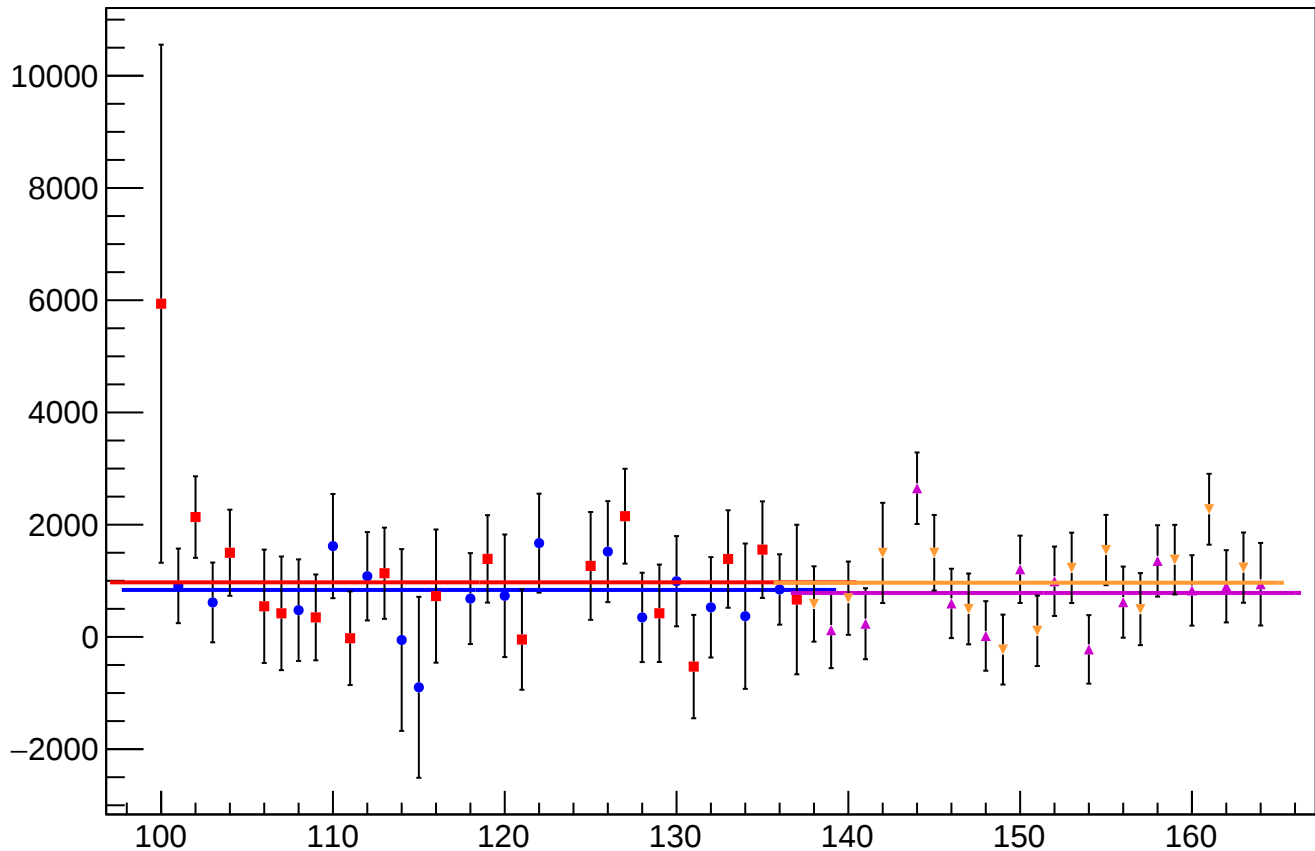
Right: 121.231 $\pm$ 0.024 χ^2 /NDF: 1268326.7/35

In: 128.864 $\pm$ 0.022 χ^2 /NDF: 870958.1/29

Out: 132.192 $\pm$ 0.022 χ^2 /NDF: 667523.7/32

All: 130.524 $\pm$ 0.016 χ^2 /NDF: 1549524.5/62

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 965.610 $\pm$ 180.089 χ^2 /NDF: 14.1/12

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

Left In: 783.592 $\pm$ 176.228 χ^2 /NDF: 16.2/12

Left: 872.629 $\pm$ 125.955 χ^2 /NDF: 30.8/25

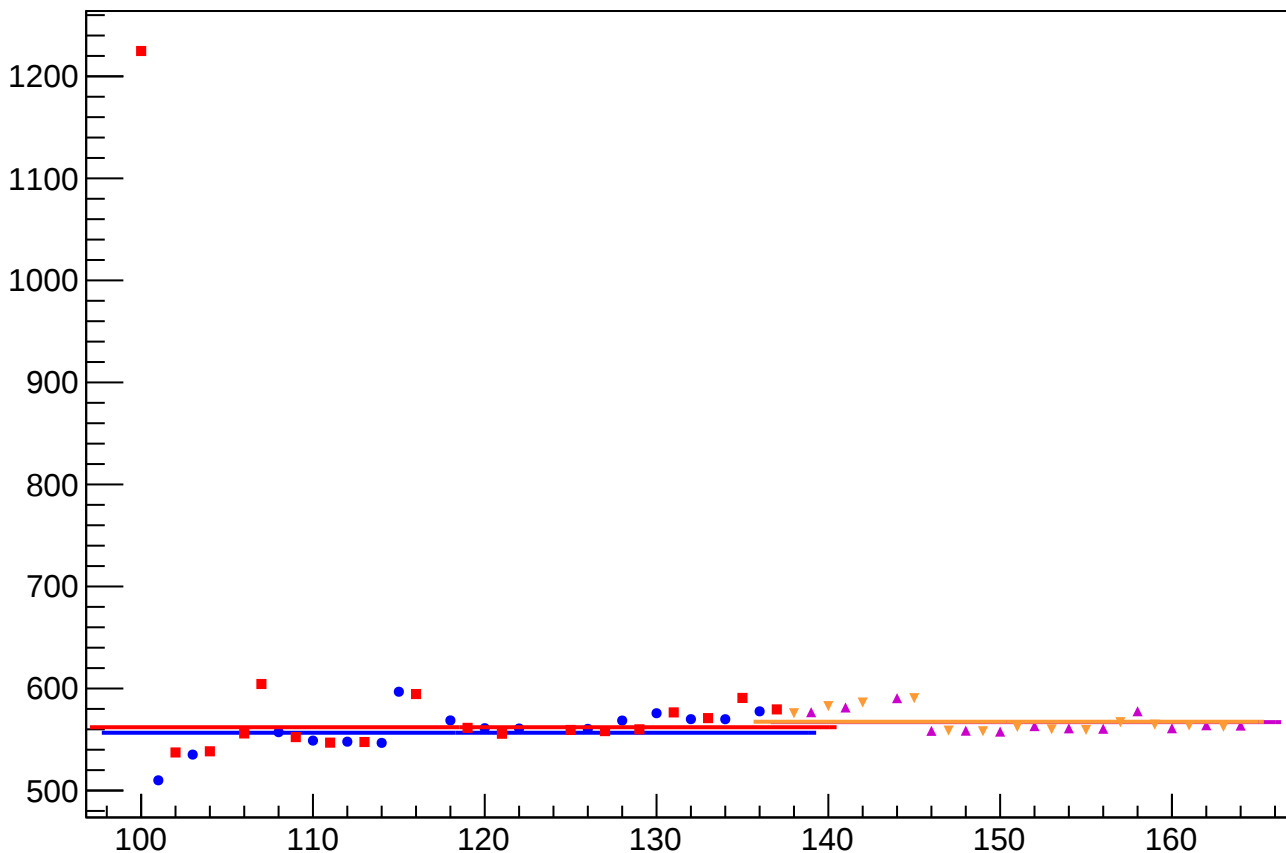
Right: 905.821 $\pm$ 151.634 χ^2 /NDF: 19.2/33

In: 804.933 $\pm$ 136.593 χ^2 /NDF: 20.9/28

Out: 968.455 $\pm$ 137.454 χ^2 /NDF: 28.3/30

All: 886.180 $\pm$ 96.889 χ^2 /NDF: 50.0/59

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 567.423 ± 0.127 χ^2/NDF : 6469.2/12

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

Left In: 567.053 ± 0.125 χ^2/NDF : 6707.7/12

Left: 567.234 ± 0.089 χ^2/NDF : 13181.2/25

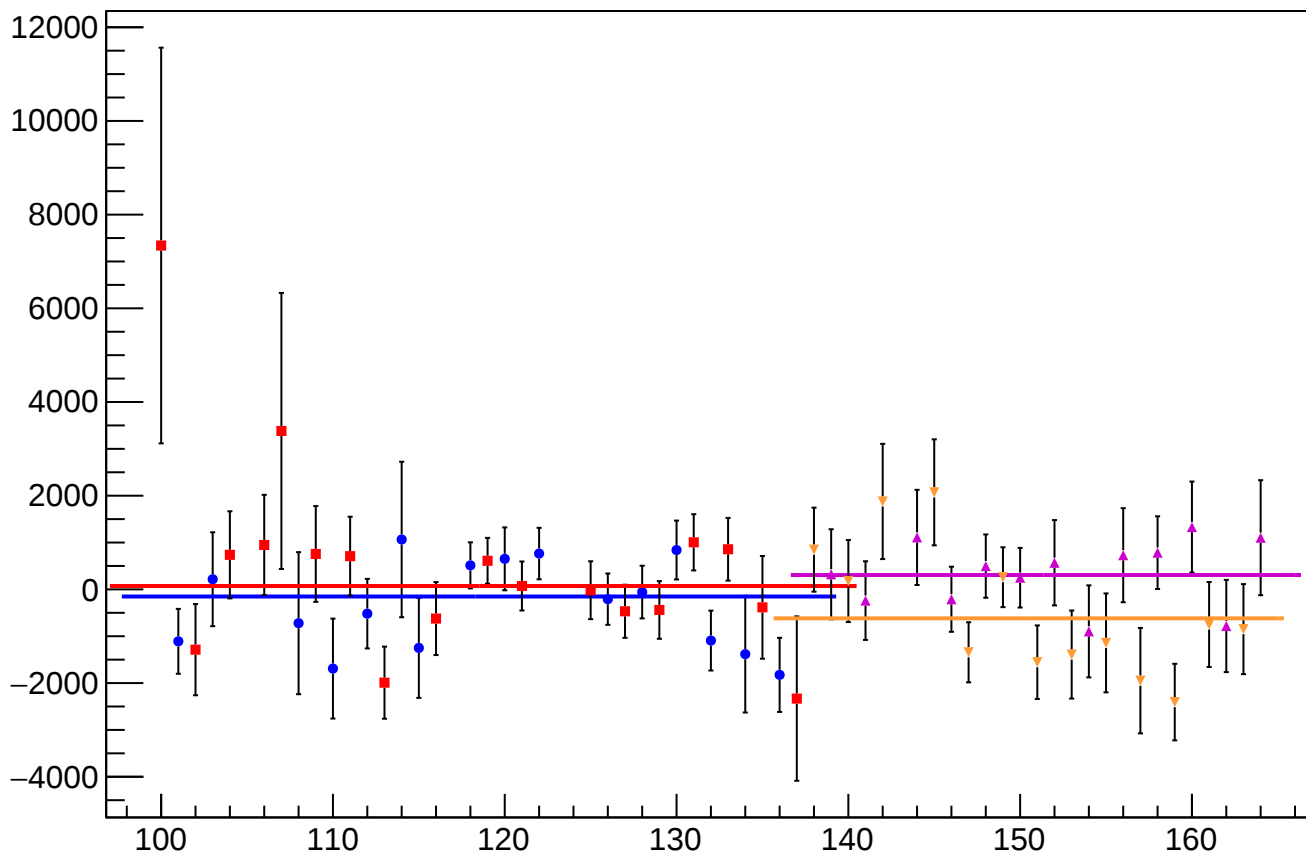
Right: 559.386 ± 0.107 χ^2/NDF : 74603.5/33

In: 562.895 ± 0.097 χ^2/NDF : 27888.6/28

Out: 565.179 ± 0.097 χ^2/NDF : 62788.1/30

All: 564.030 ± 0.069 χ^2/NDF : 90954.7/59

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -618.203+/-241.763 χ^2/NDF : 25.0/12

Right Out: 71.760+/-178.665 χ^2/NDF : 25.0/17

Left In: 306.484+/-236.702 χ^2/NDF : 6.6/12

Left: -146.079+/-169.135 χ^2/NDF : 39.1/25

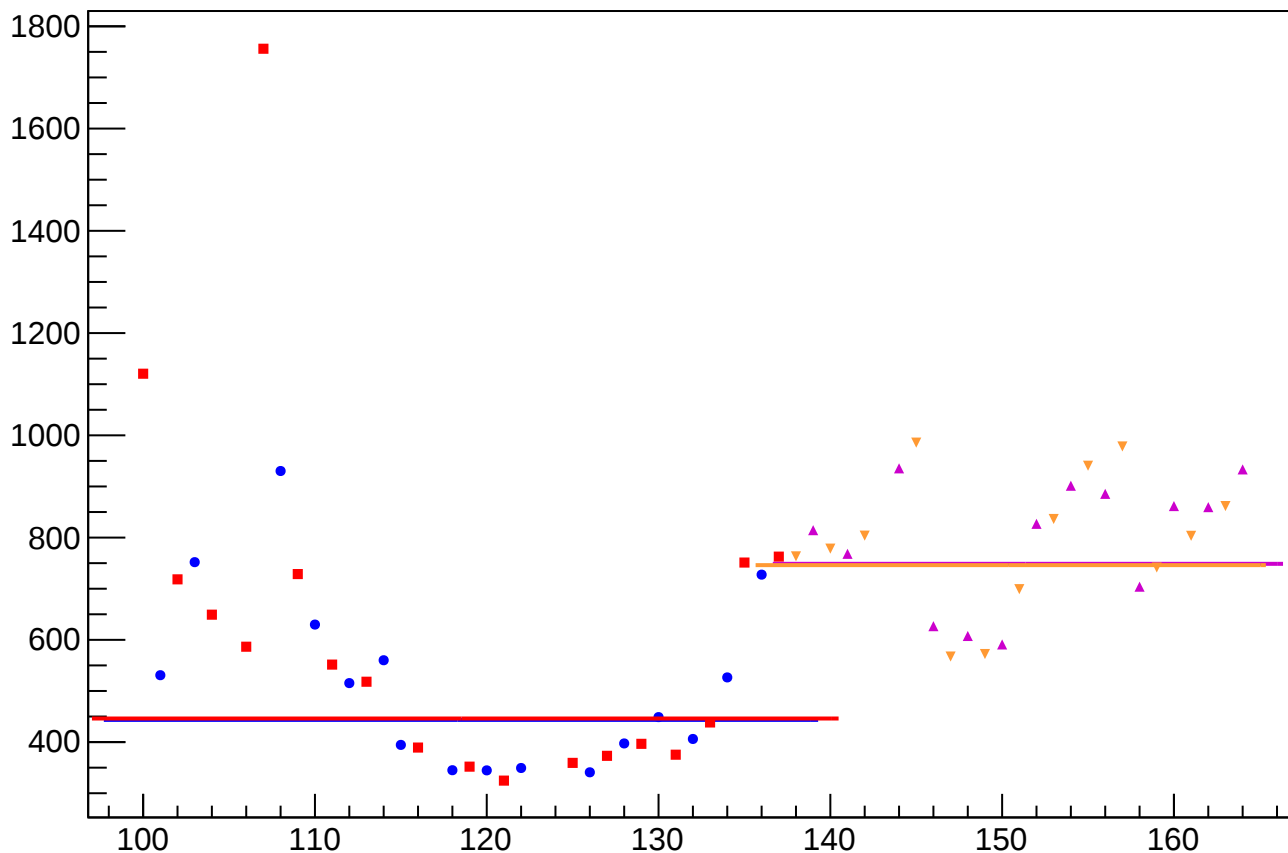
Right: -39.177+/-126.832 χ^2/NDF : 48.1/33

In: 16.159+/-143.317 χ^2/NDF : 31.3/28

Out: -171.953+/-143.687 χ^2/NDF : 55.3/30

All: -77.655+/-101.471 χ^2/NDF : 87.4/59

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 746.128+/-0.171 χ^2/NDF : 616582.2/12

Right Out: 446.147+/-0.126 χ^2/NDF : 1459986.4/17

Left In: 748.688+/-0.167 χ^2/NDF : 554248.9/12

Left: 747.435+/-0.120 χ^2/NDF : 1170945.6/25

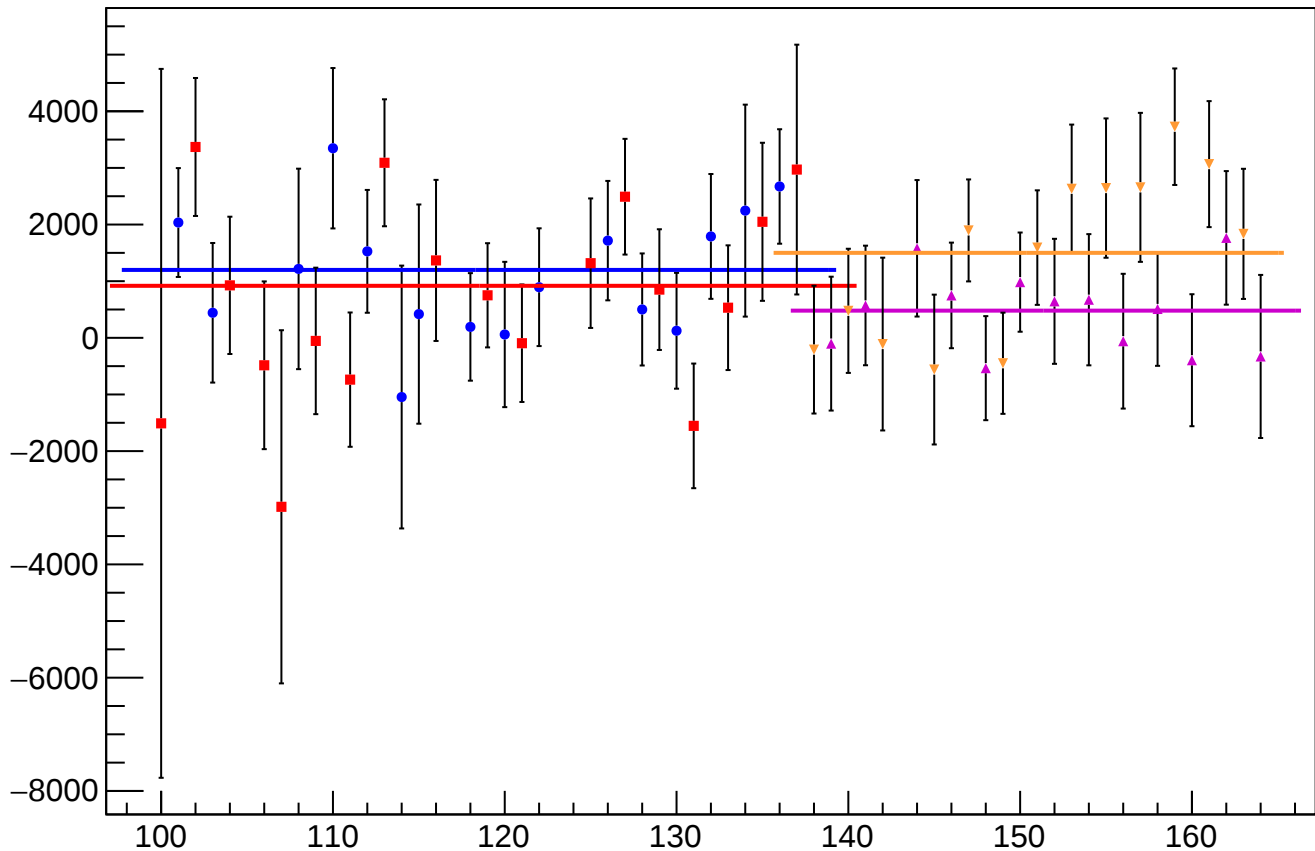
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

In: 555.351+/-0.101 χ^2/NDF : 3721765.6/28

Out: 552.108+/-0.102 χ^2/NDF : 4068109.6/30

All: 553.734+/-0.072 χ^2/NDF : 7790386.1/59

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 1500.428 $\pm$ 306.940 χ^2 /NDF:21.1/12

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

Left In: 480.110 $\pm$ 299.543 χ^2 /NDF:5.0/12

Left: 977.825 $\pm$ 214.376 χ^2 /NDF: 31.8/25

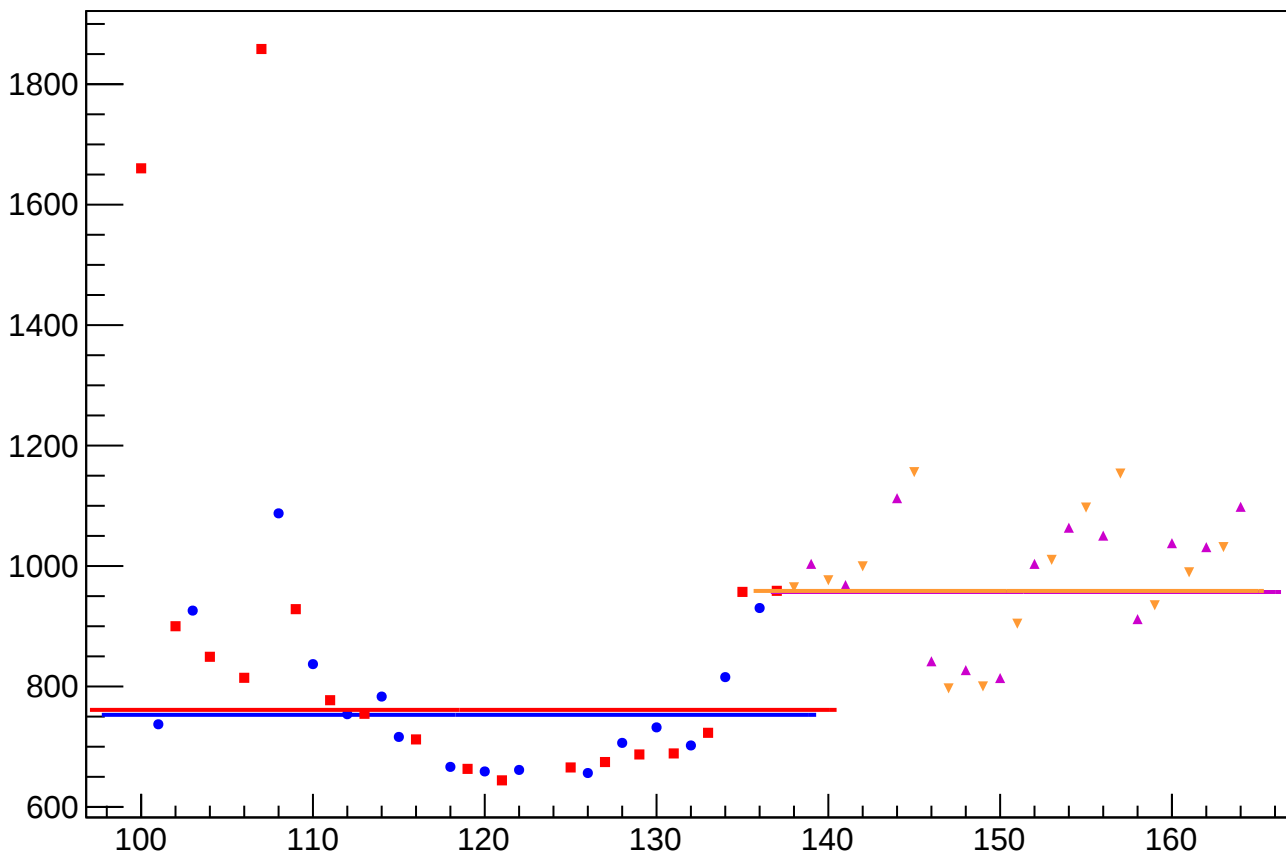
Right: 1057.763 $\pm$ 208.076 χ^2 /NDF: 34.9/33

In: 844.737 $\pm$ 210.272 χ^2 /NDF:19.2/28

Out: 1196.195 $\pm$ 212.050 χ^2 /NDF:46.2/30

All: 1018.986 $\pm$ 149.310 χ^2 /NDF: 66.7/59

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 958.650+/-0.217 χ^2/NDF : 263941.1/12

Right Out: 761.160+/-0.207 χ^2/NDF : 517136.7/17

Left In: 956.871+/-0.212 χ^2/NDF : 234273.3/12

Left: 957.739+/-0.152 χ^2/NDF : 498248.7/25

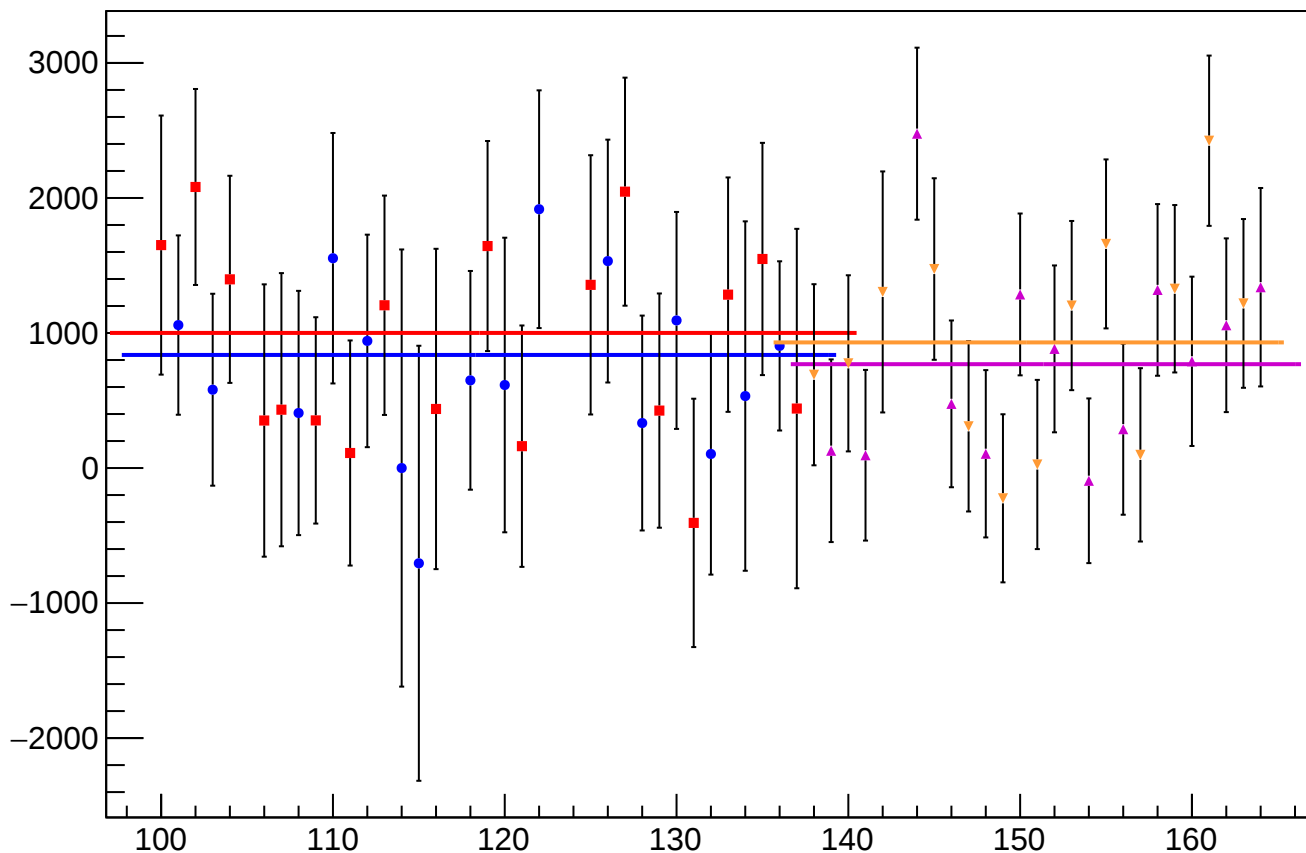
Right: 757.076+/-0.147 χ^2/NDF : 770443.9/33

In: 853.430+/-0.149 χ^2/NDF : 957013.8/28

Out: 855.418+/-0.150 χ^2/NDF : 1213873.9/30

All: 854.416+/-0.106 χ^2/NDF : 2170976.3/59

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 930.290 $\pm$ 179.927 χ^2 /NDF:17.0/12

Right Out: 1000.617 $\pm$ 207.748 χ^2 /NDF: 12.5/17

Left In: 769.104 $\pm$ 176.089 χ^2 /NDF:15.5/12

Left: 847.960 $\pm$ 125.849 χ^2 /NDF: 32.9/25

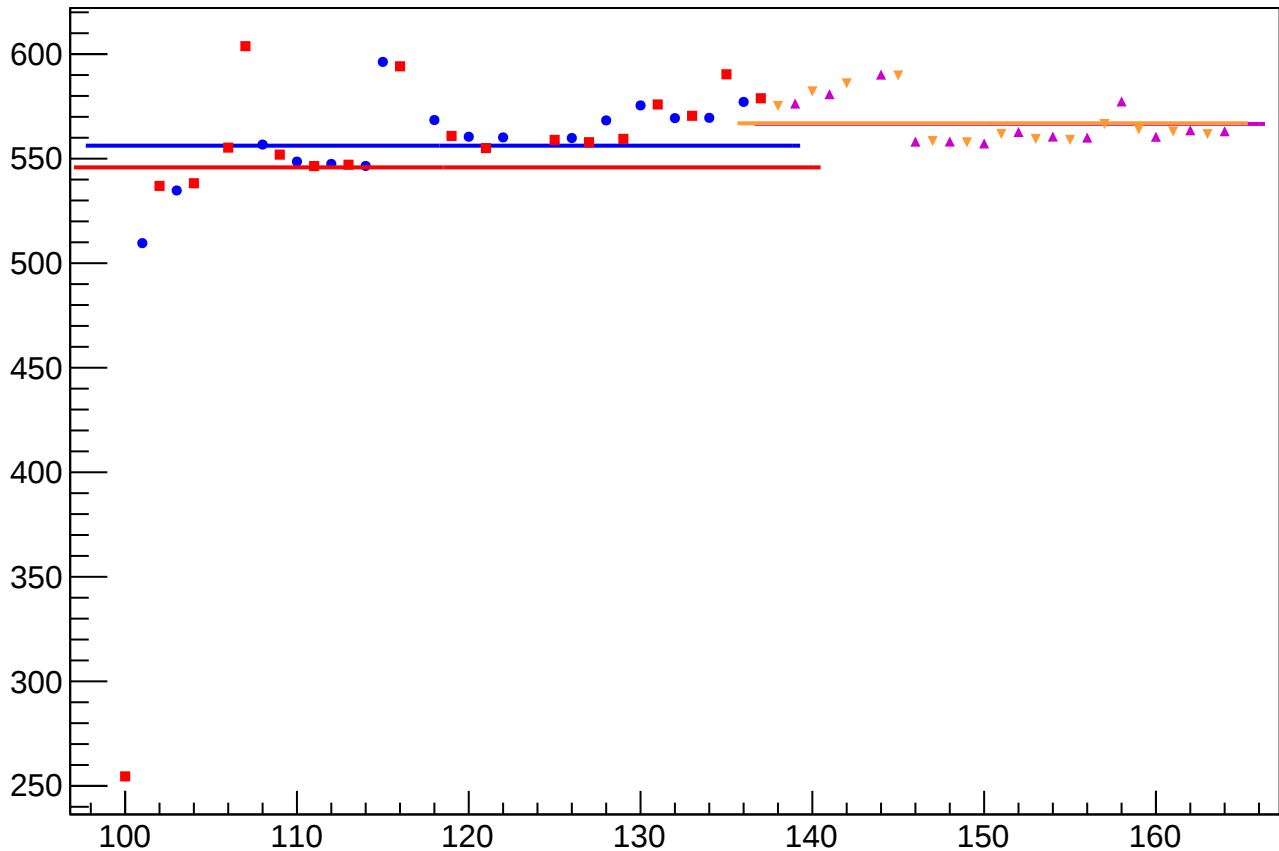
Right: 922.267 $\pm$ 149.737 χ^2 /NDF: 18.5/33

In: 796.432 $\pm$ 136.487 χ^2 /NDF:21.3/28

Out: 960.433 $\pm$ 136.008 χ^2 /NDF:29.6/30

All: 878.721 $\pm$ 96.341 χ^2 /NDF: 51.6/59

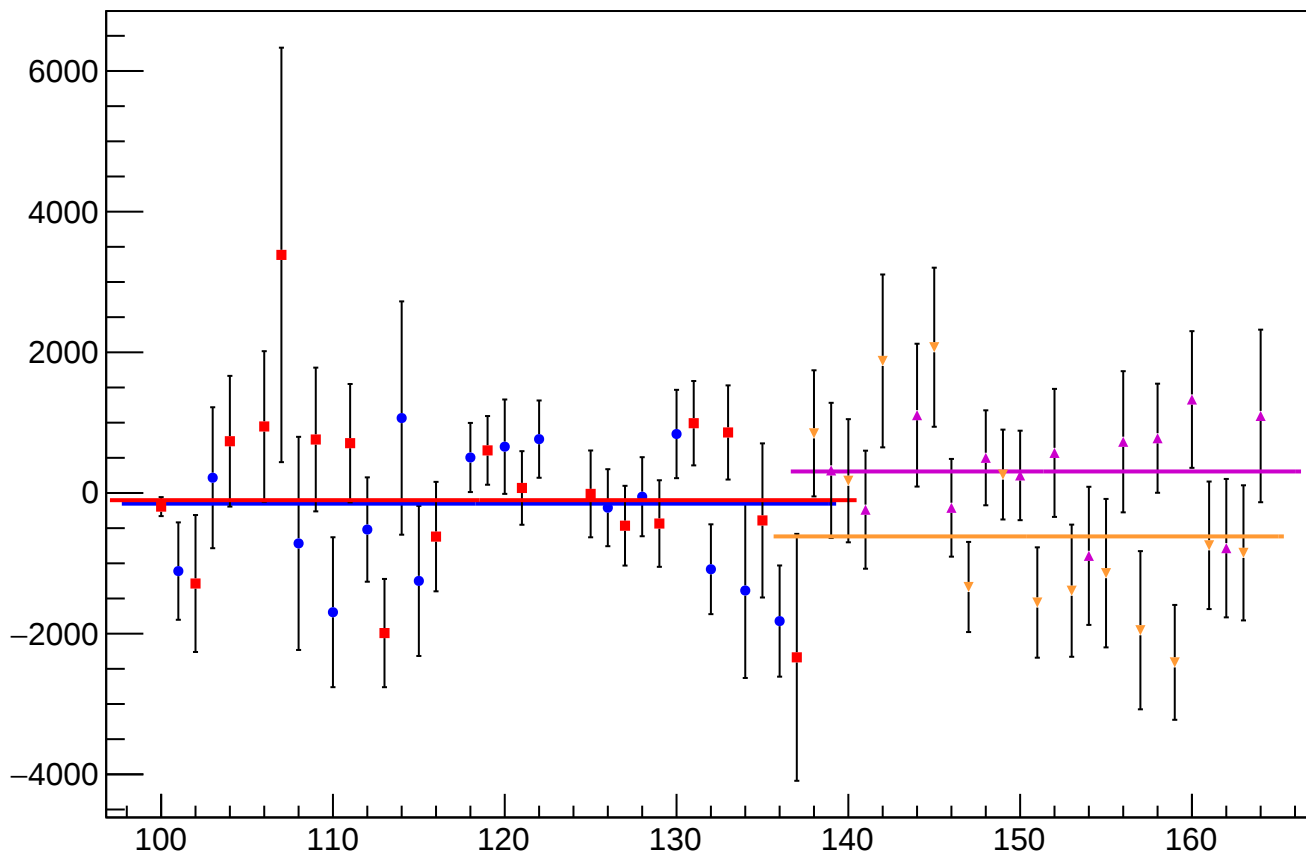
reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 556.210 ± 0.153 χ^2/NDF : 18417.4/15
 Left Out: 566.912 ± 0.127 χ^2/NDF : 6427.0/12
 Right Out: 545.844 ± 0.147 χ^2/NDF : 207640.3/17
 Left In: 566.608 ± 0.125 χ^2/NDF : 6740.6/12

Left: 566.757 ± 0.089 χ^2/NDF : 13170.5/25
 Right: 550.825 ± 0.106 χ^2/NDF : 228450.1/33
 In: 562.457 ± 0.097 χ^2/NDF : 27941.7/28
 Out: 557.882 ± 0.096 χ^2/NDF : 225819.7/30
 All: 560.162 ± 0.068 χ^2/NDF : 254888.5/59

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -617.369 ± 241.654 $\chi^2/\text{NDF}: 25.1/12$

Right Out: -102.079 ± 107.707 $\chi^2/\text{NDF}: 23.2/17$

Left In: 306.045 ± 236.588 $\chi^2/\text{NDF}: 6.6/12$

Left: -145.881 ± 169.056 $\chi^2/\text{NDF}: 39.1/25$

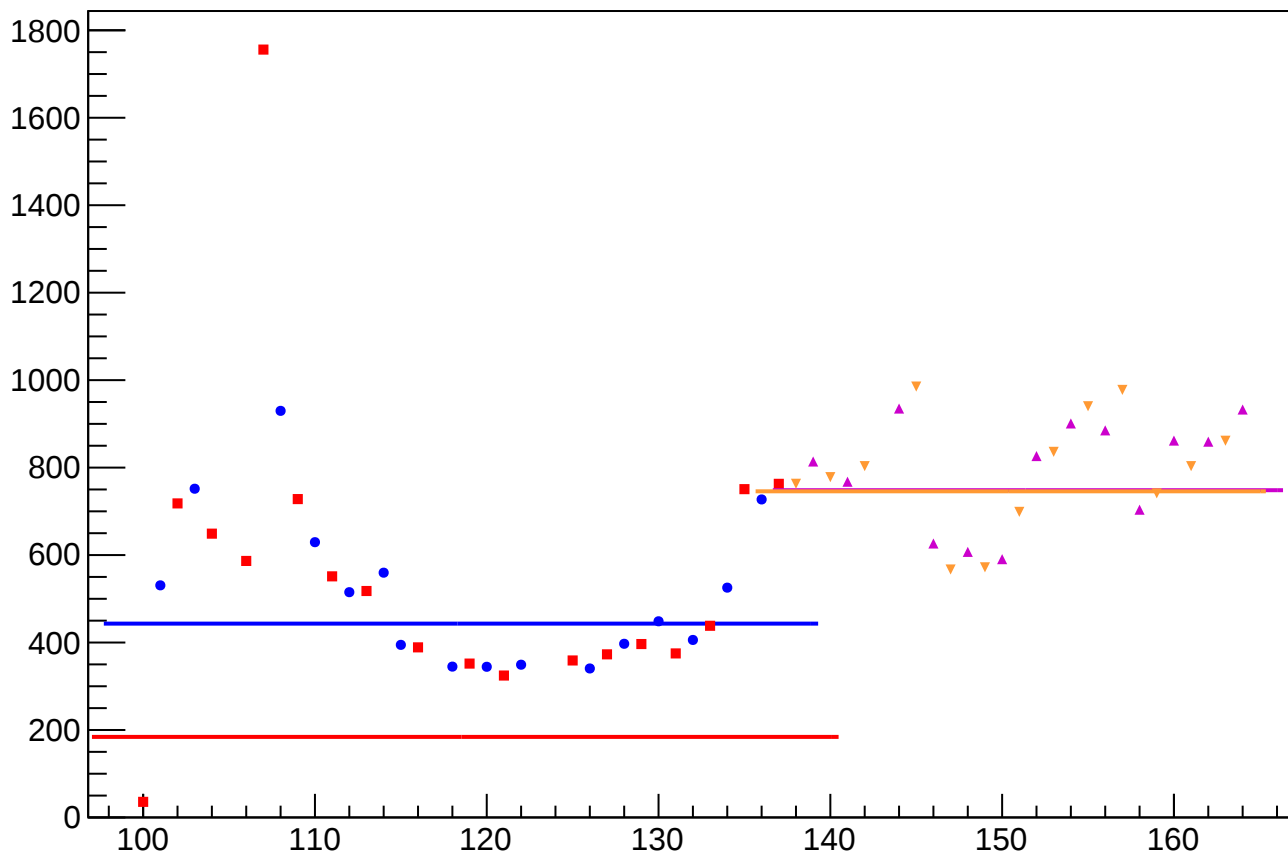
Right: -115.099 ± 92.423 $\chi^2/\text{NDF}: 45.6/33$

In: 16.262 ± 143.248 $\chi^2/\text{NDF}: 31.2/28$

Out: -187.479 ± 98.378 $\chi^2/\text{NDF}: 52.1/30$

All: -122.182 ± 81.095 $\chi^2/\text{NDF}: 84.7/59$

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 745.789+/-0.171 χ^2/NDF : 617014.4/12

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

Left In: 748.324+/-0.167 χ^2/NDF : 554459.5/12

Left: 747.083+/-0.120 χ^2/NDF : 1171586.4/25

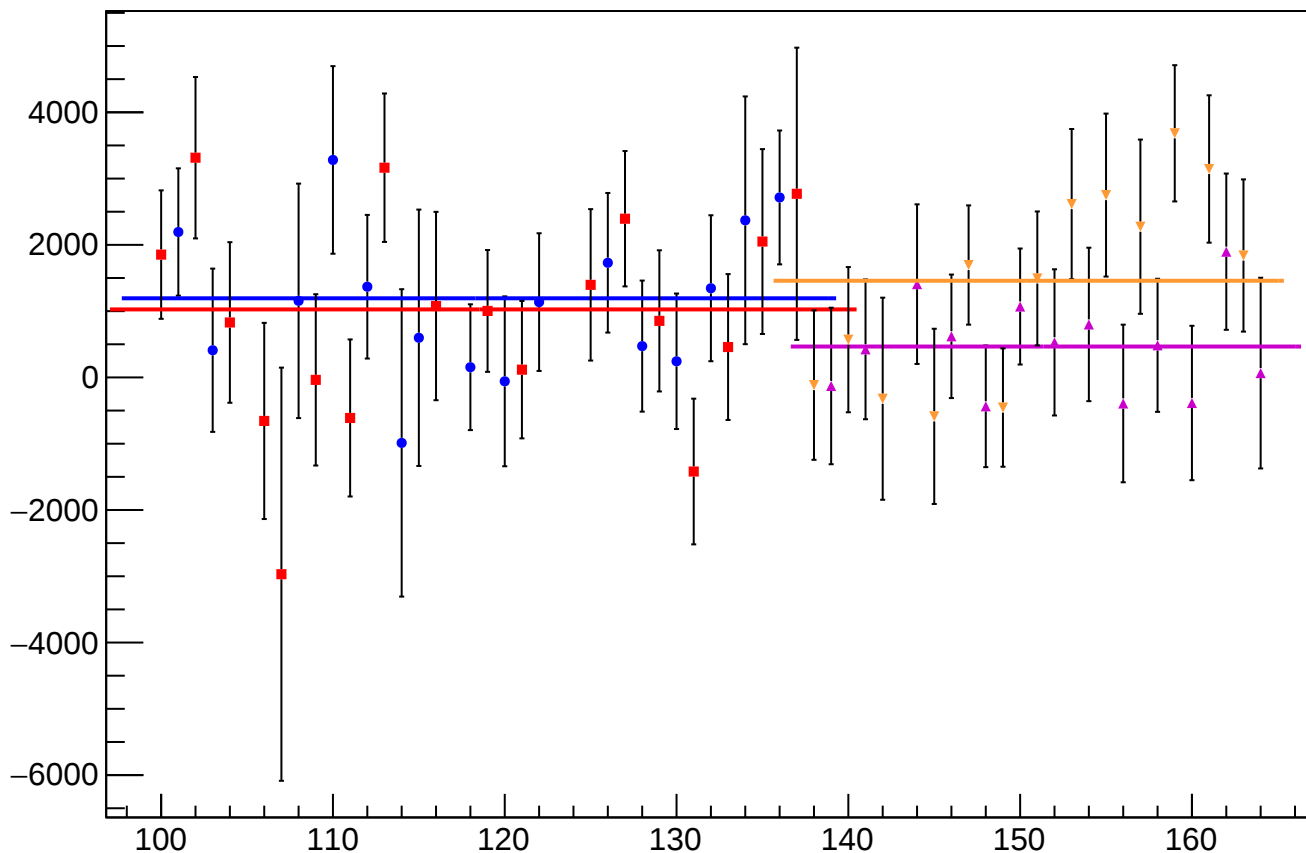
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

In: 555.084+/-0.101 χ^2/NDF : 3721743.1/28

Out: 277.286+/-0.070 χ^2/NDF : 17707537.7/30

All: 366.317+/-0.057 χ^2/NDF : 26540291.6/59

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 1458.509 $\pm$ 306.759 χ^2/NDF : 20.7/12

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

Left In: 466.069 $\pm$ 299.366 χ^2/NDF : 5.0/12

Left: 950.185 $\pm$ 214.250 χ^2/NDF : 31.1/25

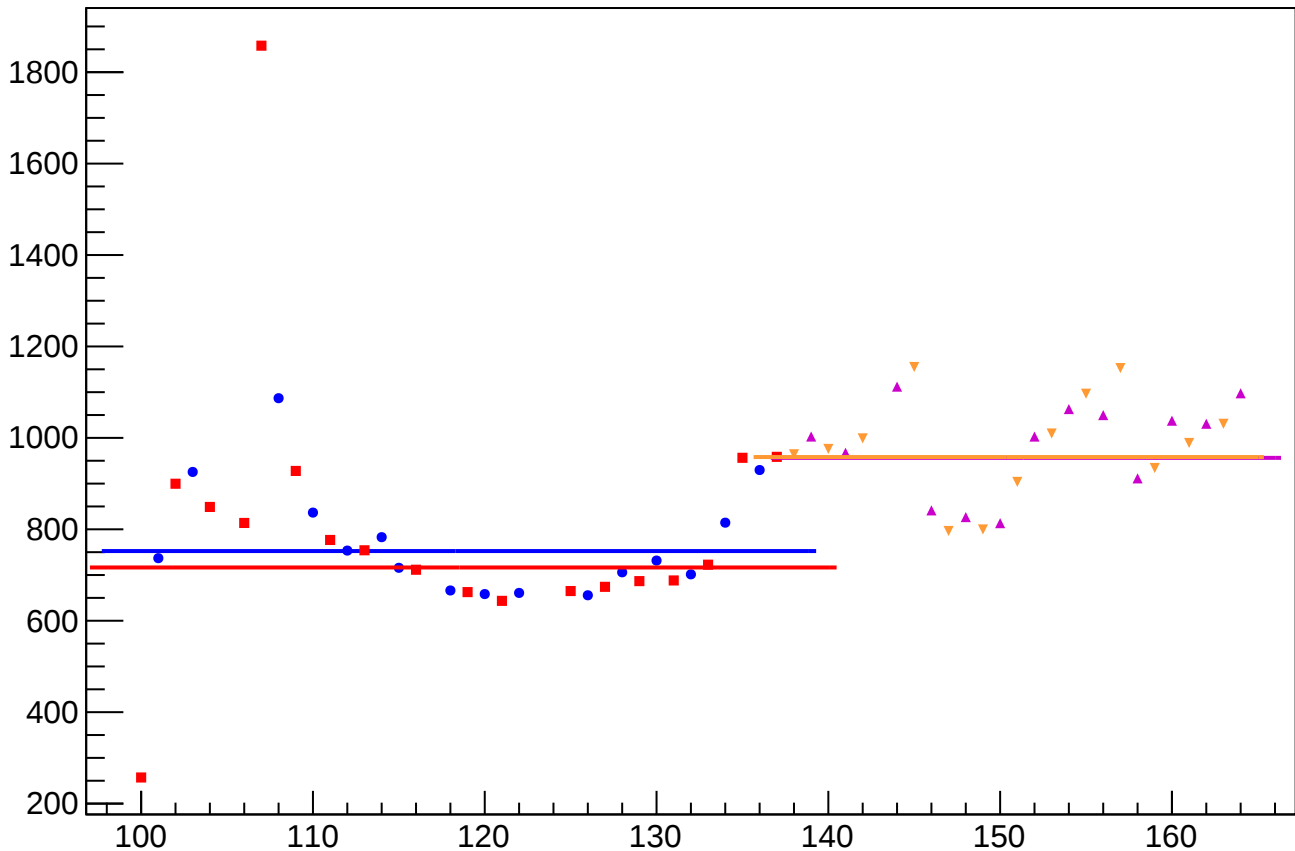
Right: 1105.849 $\pm$ 203.414 χ^2/NDF : 33.9/33

In: 835.248 $\pm$ 210.140 χ^2/NDF : 19.2/28

Out: 1223.270 $\pm$ 207.135 χ^2/NDF : 44.3/30

All: 1032.053 $\pm$ 147.517 χ^2/NDF : 65.2/59

asym_left_dd_rms vs Slug, Sign Corrected



Left: 957.174 +/- 0.151 χ^2/NDF : 498301.7/25

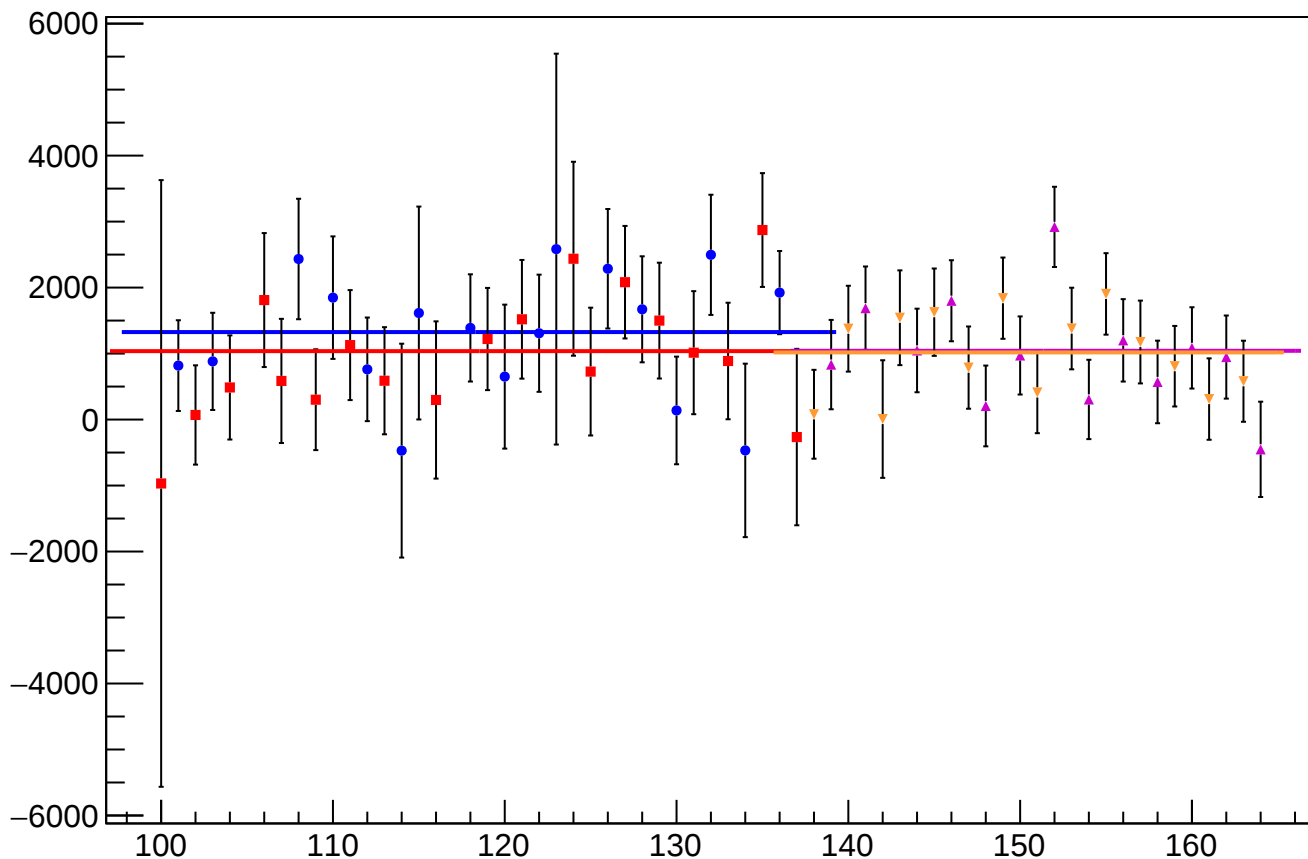
Right: 733.589 +/- 0.144 χ^2/NDF : 1235181.4/33

In: 852.884 +/- 0.149 χ^2/NDF : 957620.4/28

Out: 826.663 +/- 0.146 χ^2/NDF : 1905578.9/30

All: 839.584 +/- 0.104 χ^2/NDF : 2878993.3/59

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1017.439 $\pm$ 172.437 χ^2/NDF :12.2/13

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

Left In: 1042.138 $\pm$ 174.010 χ^2/NDF :20.5/12

Left: 1029.677 $\pm$ 122.484 χ^2/NDF : 32.7/26

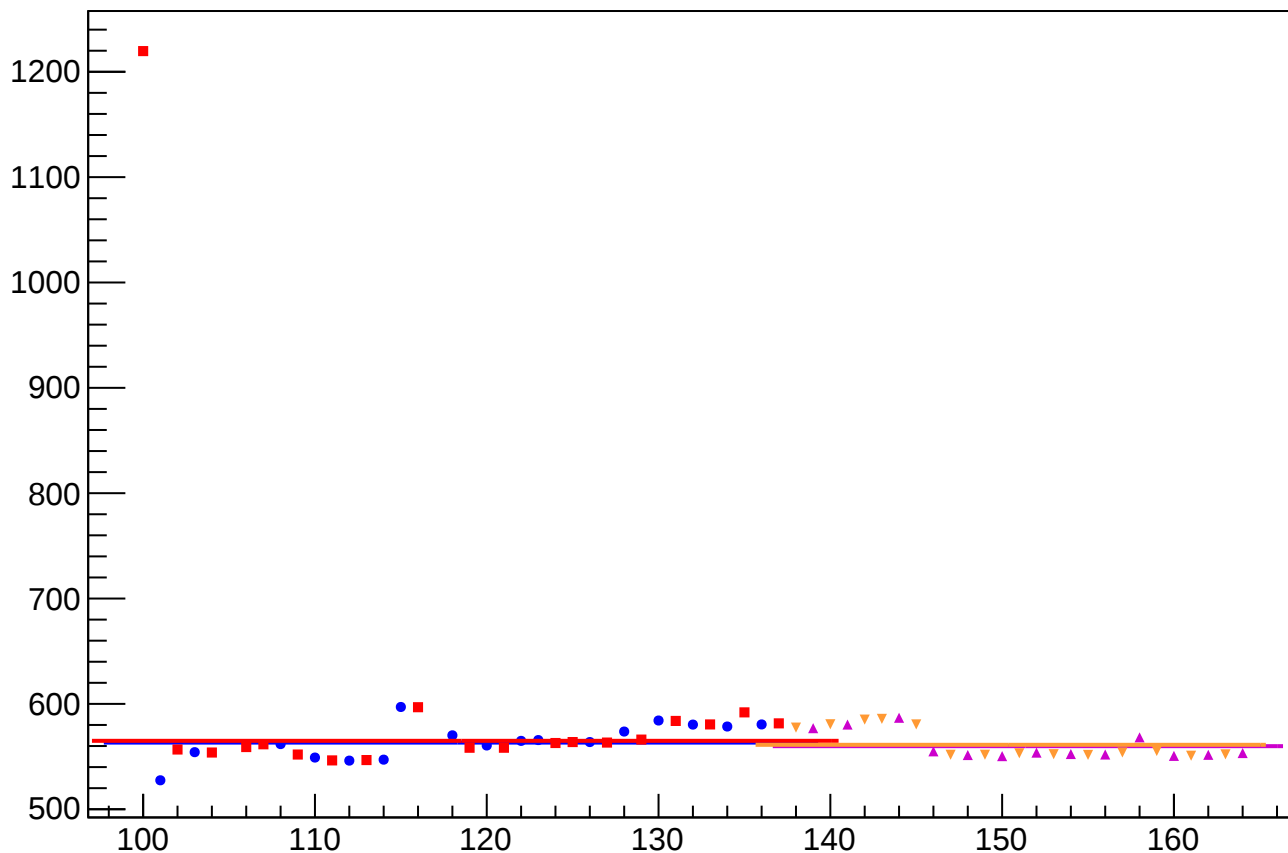
Right: 1177.020 $\pm$ 151.865 χ^2/NDF : 27.2/35

In: 1152.458 $\pm$ 136.023 χ^2/NDF :34.4/29

Out: 1025.257 $\pm$ 133.668 χ^2/NDF :25.6/32

All: 1087.747 $\pm$ 95.339 χ^2/NDF : 60.5/62

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 561.157+/-0.122 χ^2/NDF :12096.6/13

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

Left In: 559.869+/-0.123 χ^2/NDF :10165.2/12

Left: 560.519+/-0.087 χ^2/NDF : 22317.0/26

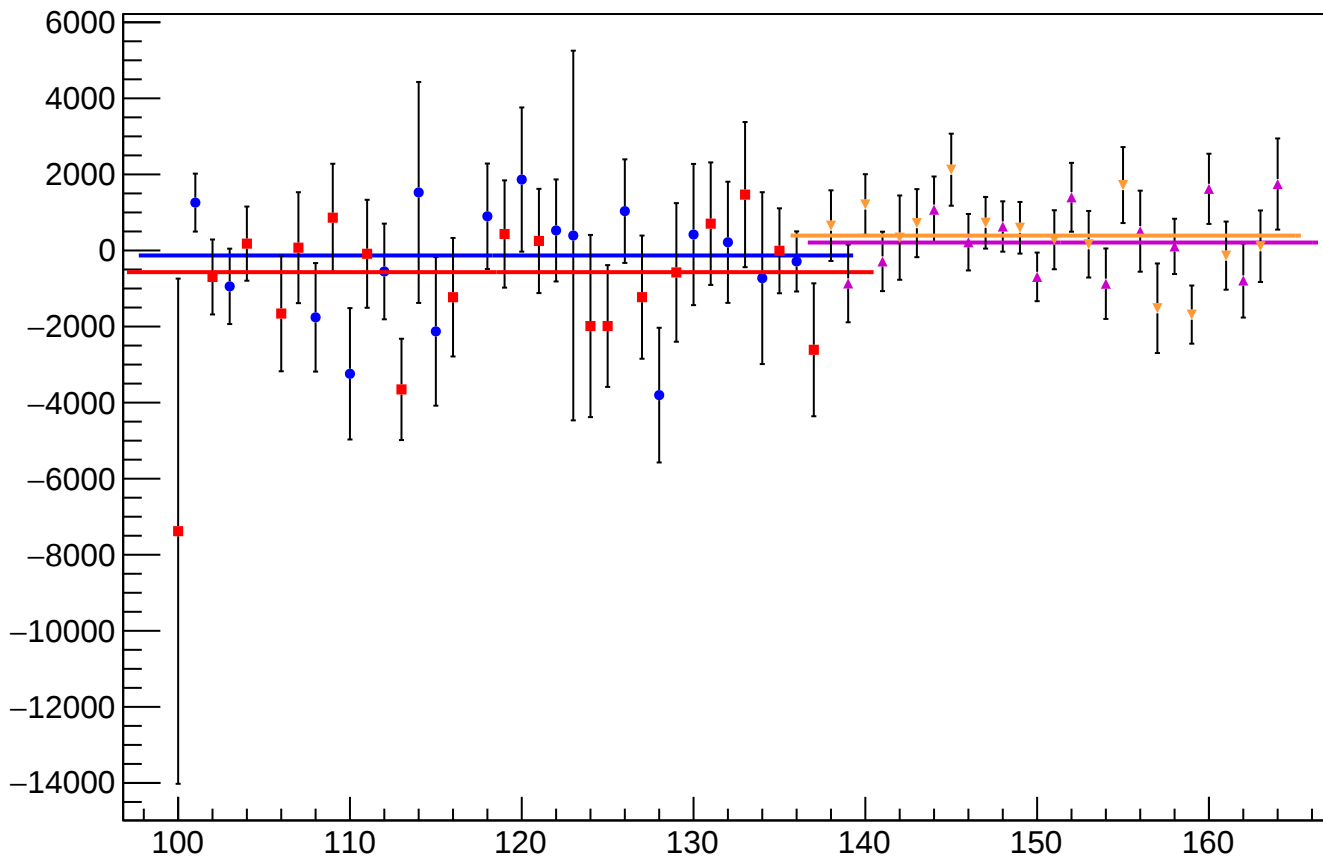
Right: 564.130+/-0.107 χ^2/NDF : 61877.2/35

In: 561.190+/-0.096 χ^2/NDF :22981.9/29

Out: 562.668+/-0.095 χ^2/NDF :61777.5/32

All: 561.942+/-0.067 χ^2/NDF : 84879.6/62

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 392.054 $\pm$ 229.209 χ^2/NDF : 17.3/13

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

Left In: 208.919 $\pm$ 232.261 χ^2/NDF : 13.1/12

Left: 301.698 $\pm$ 163.144 χ^2/NDF : 30.7/26

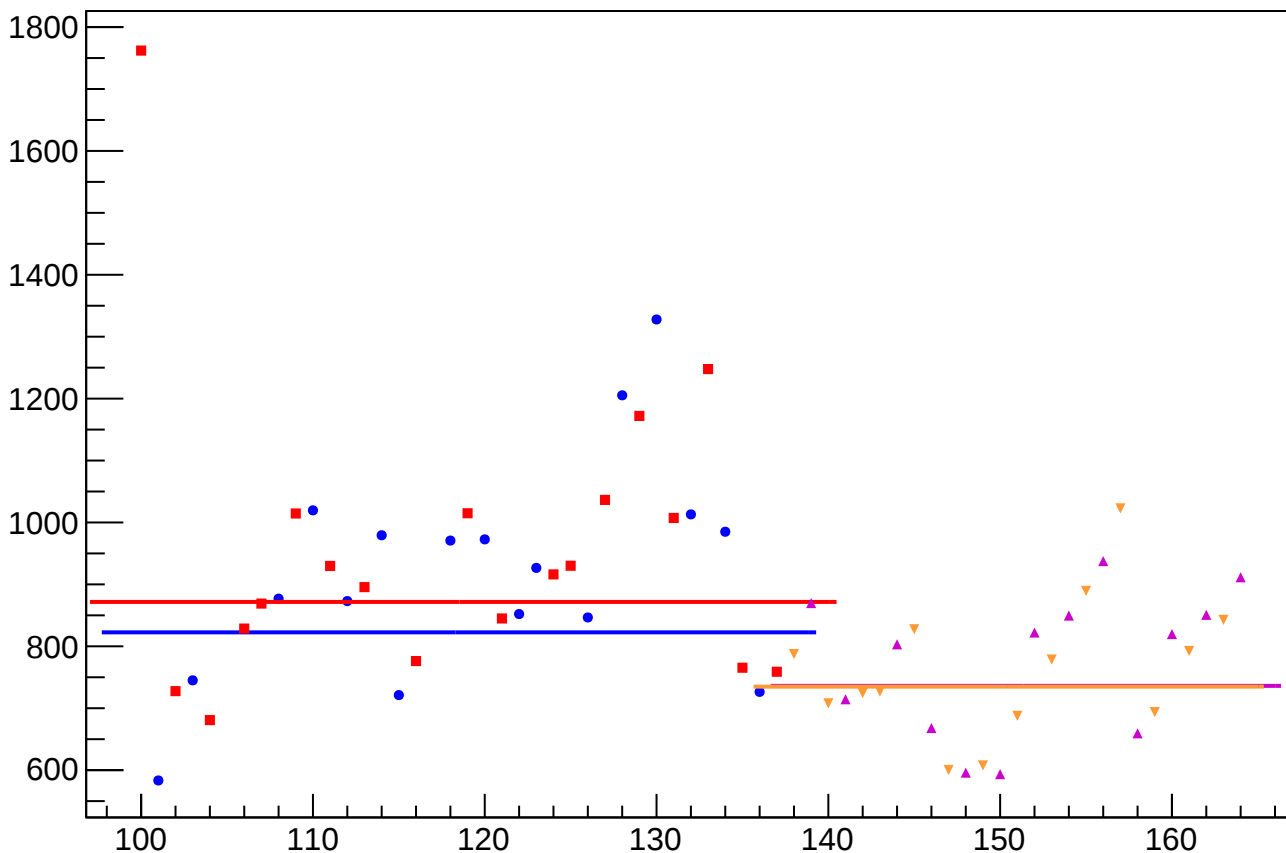
Right: -347.269 $\pm$ 233.324 χ^2/NDF : 32.7/35

In: 95.175 $\pm$ 189.471 χ^2/NDF : 31.1/29

Out: 82.080 $\pm$ 188.697 χ^2/NDF : 37.5/32

All: 88.600 $\pm$ 133.702 χ^2/NDF : 68.6/62

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 734.884+/-0.162 χ^2/NDF : 397366.9/13

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

Left In: 736.117+/-0.164 χ^2/NDF : 482352.0/12

Left: 735.492+/-0.115 χ^2/NDF : 879747.4/26

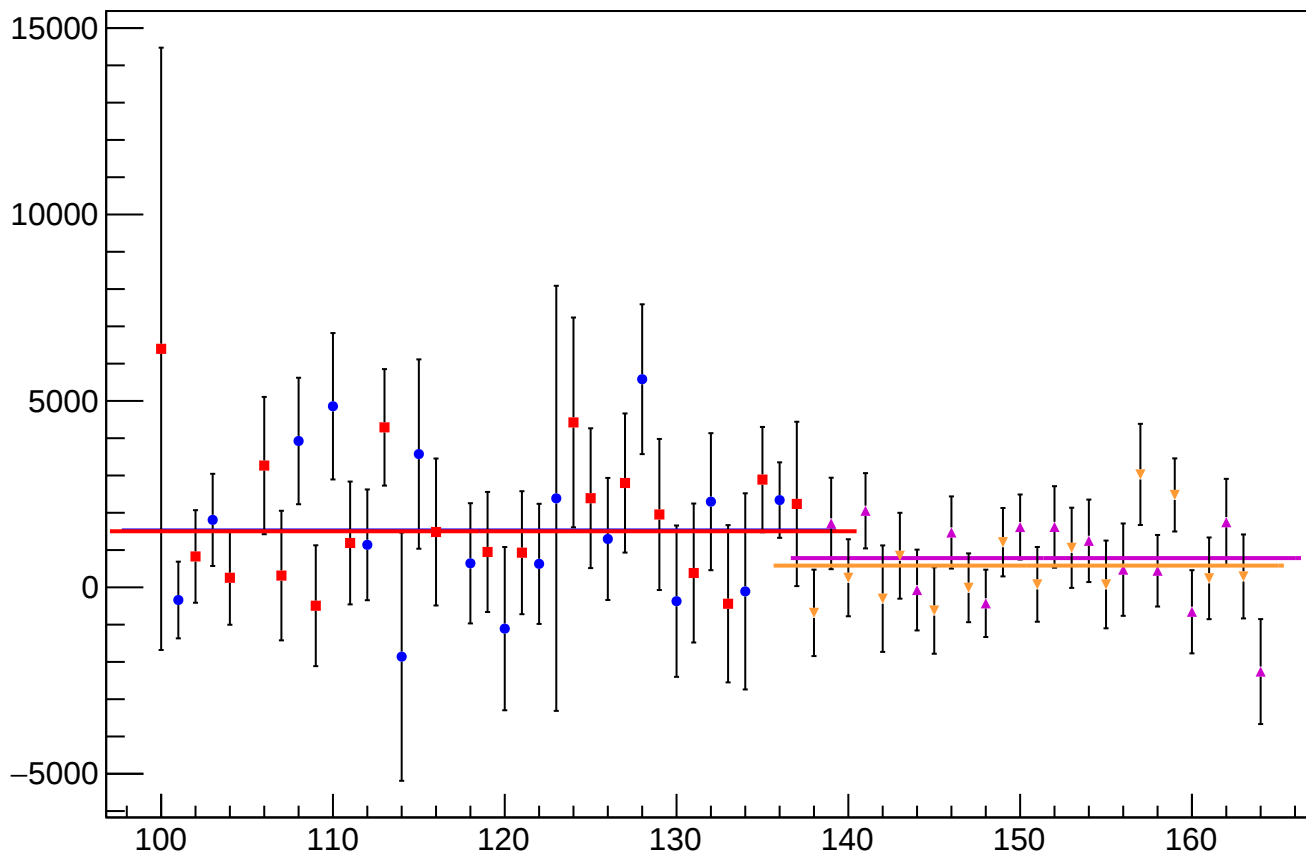
Right: 846.744+/-0.165 χ^2/NDF : 1029998.2/35

In: 765.023+/-0.134 χ^2/NDF : 1175912.8/29

Out: 778.967+/-0.133 χ^2/NDF : 1033788.9/32

All: 772.023+/-0.095 χ^2/NDF : 2215139.5/62

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 583.096+/-290.852 χ^2/NDF : 11.5/13

Right Out: 1504.406+/-399.953 χ^2/NDF : 12.1/18

Left In: 784.512+/-294.299 χ^2/NDF : 14.0/12

Left: 682.617+/-206.872 χ^2/NDF : 25.7/26

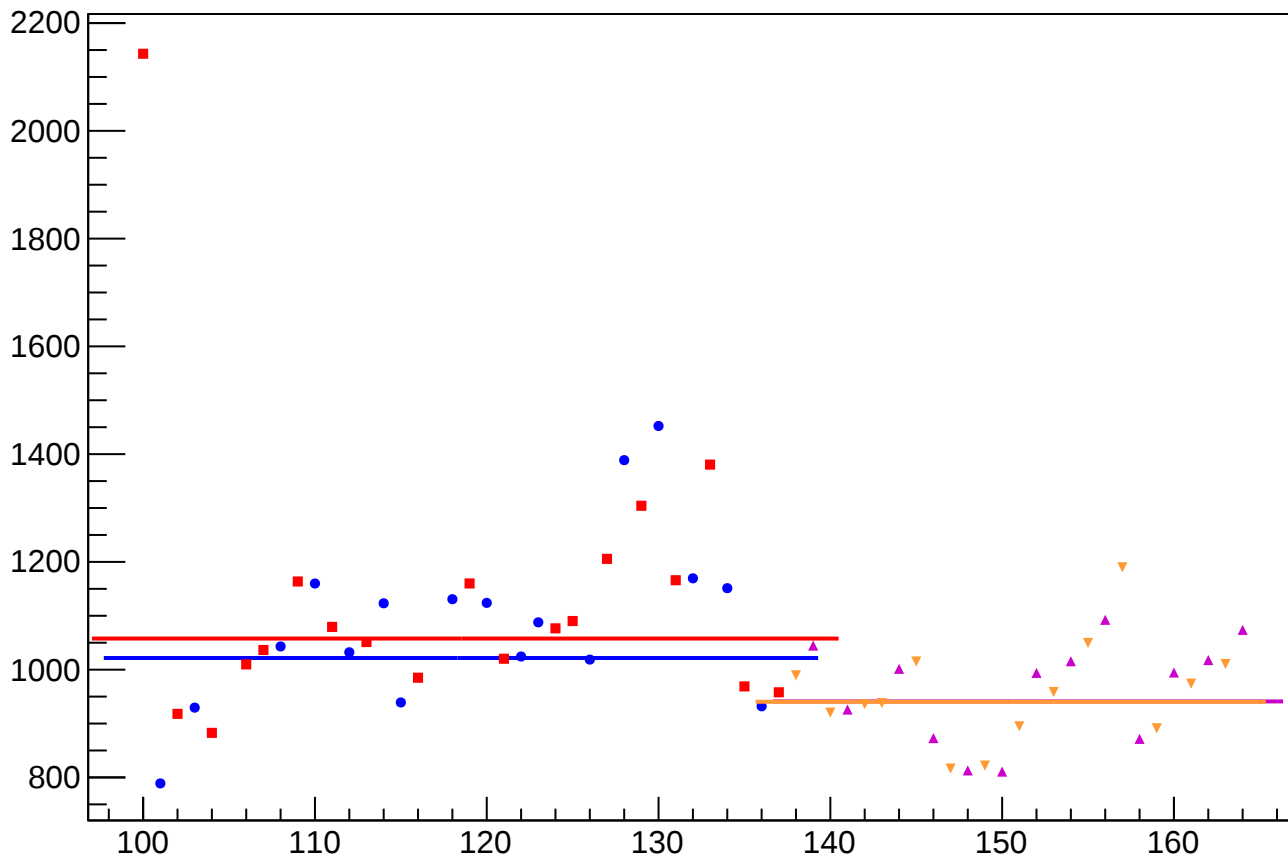
Right: 1514.890+/-283.454 χ^2/NDF : 30.4/35

In: 1043.242+/-237.421 χ^2/NDF : 34.4/29

Out: 901.787+/-235.229 χ^2/NDF : 27.1/32

All: 971.859+/-167.102 χ^2/NDF : 61.7/62

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 940.418 $\pm$ 0.206 χ^2/NDF :186369.5/13

Right Out: 1057.748 $\pm$ 0.283 χ^2/NDF : 230944.1/18

Left In: 941.059 $\pm$ 0.208 χ^2/NDF :201024.8/12

Left: 940.735 $\pm$ 0.146 χ^2/NDF : 387399.1/26

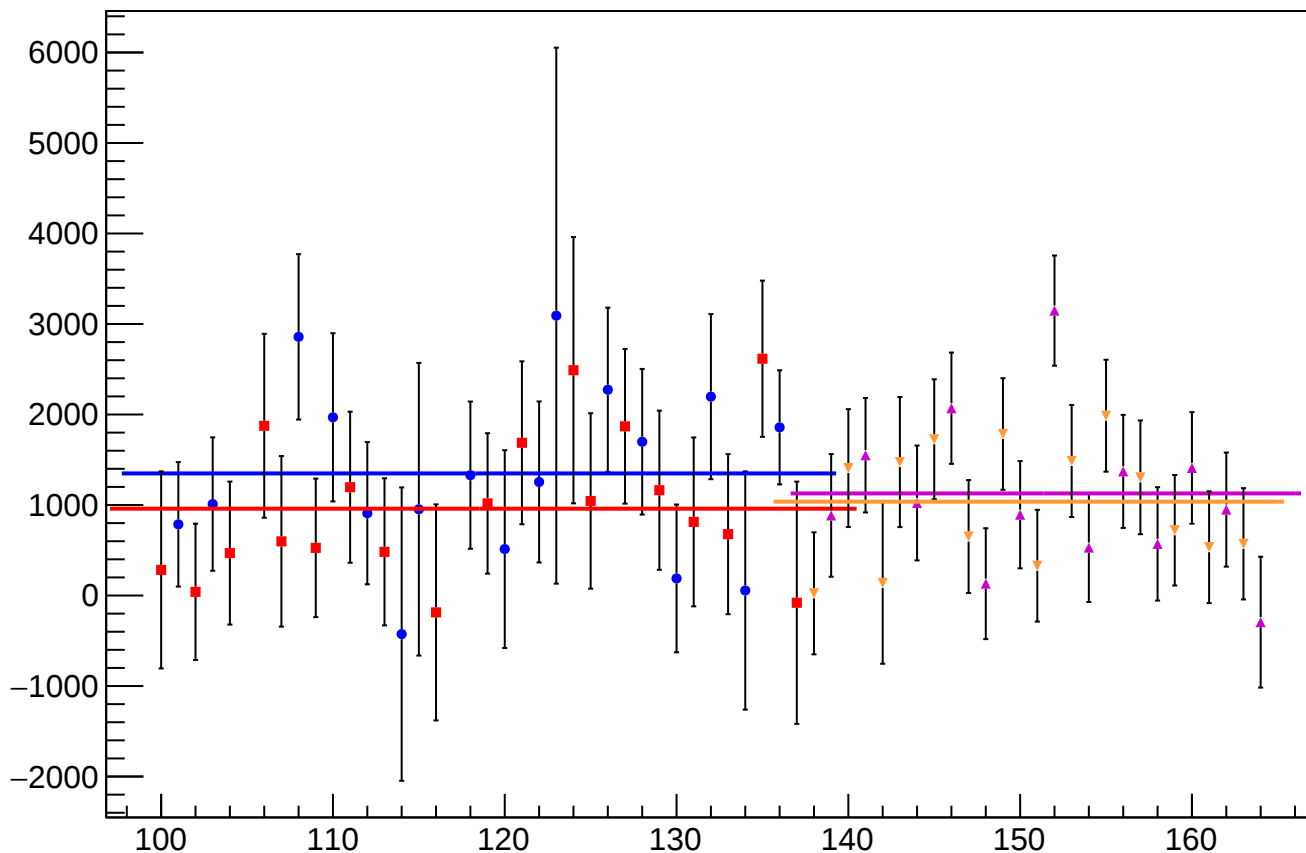
Right: 1039.788 $\pm$ 0.200 χ^2/NDF : 570995.5/35

In: 969.205 $\pm$ 0.168 χ^2/NDF :585363.1/29

Out: 981.004 $\pm$ 0.166 χ^2/NDF :529893.9/32

All: 975.159 $\pm$ 0.118 χ^2/NDF : 1117749.6/62

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1037.083 $\pm$ 172.609 χ^2 /NDF:12.8/13

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

Left In: 1127.988 $\pm$ 174.195 χ^2 /NDF:22.9/12

Left: 1082.120 $\pm$ 122.610 χ^2 /NDF: 35.8/26

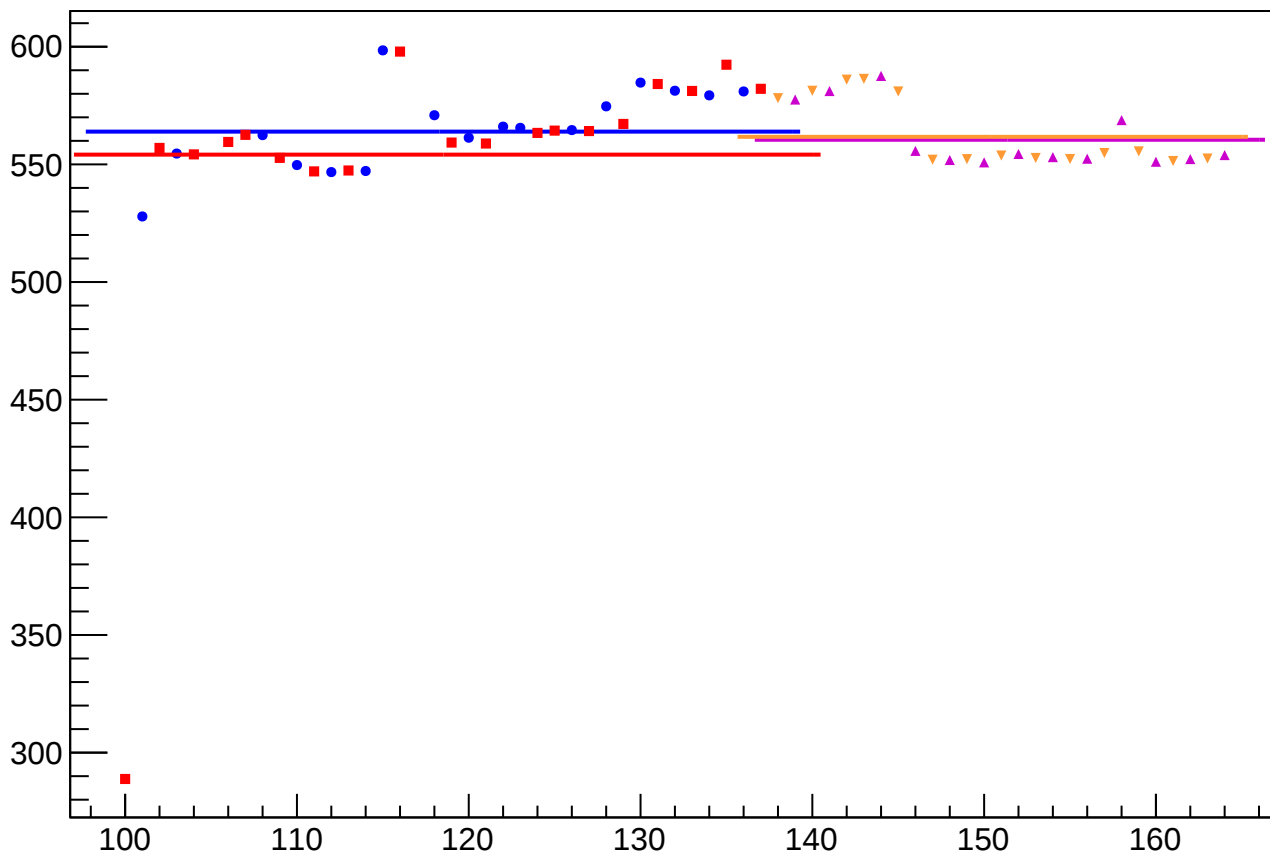
Right: 1144.995 $\pm$ 150.662 χ^2 /NDF: 26.2/35

In: 1214.000 $\pm$ 136.174 χ^2 /NDF:35.8/29

Out: 1005.468 $\pm$ 132.866 χ^2 /NDF:25.1/32

All: 1107.171 $\pm$ 95.098 χ^2 /NDF: 62.1/62

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 561.714 $\pm$ 0.122 χ^2 /NDF:12146.1/13

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

Left In: 560.464 $\pm$ 0.123 χ^2 /NDF:10259.8/12

Left: 561.095 $\pm$ 0.087 χ^2 /NDF: 22457.8/26

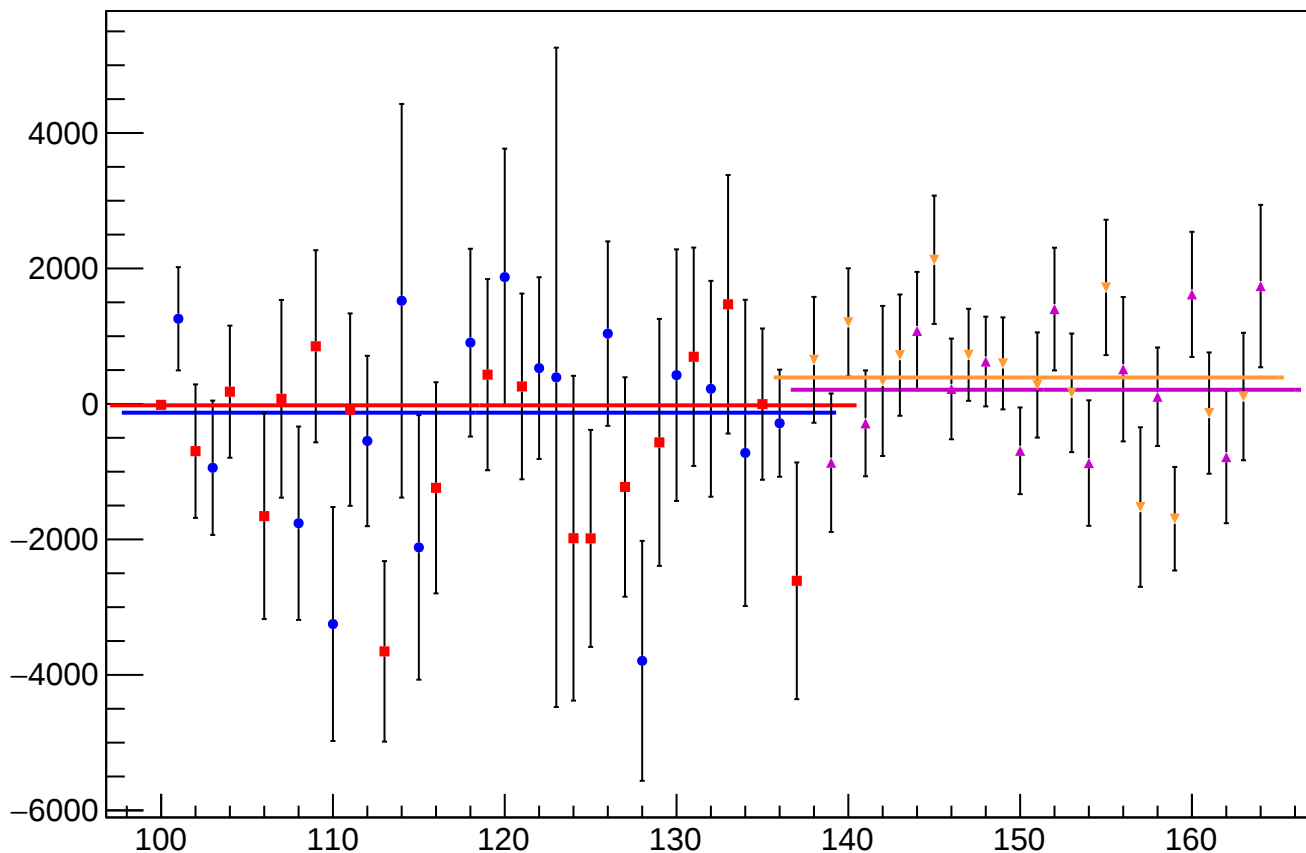
Right: 558.799 $\pm$ 0.107 χ^2 /NDF: 146729.2/35

In: 561.809 $\pm$ 0.096 χ^2 /NDF:23229.4/29

Out: 558.629 $\pm$ 0.094 χ^2 /NDF:145678.3/32

All: 560.180 $\pm$ 0.067 χ^2 /NDF: 169466.3/62

asym_right_dd_correction_mean vs Slug, Sign Corrected



Right In: -128.725 $\pm$ 327.688 χ^2/NDF : 17.2/16

Left Out: 390.663 $\pm$ 229.294 χ^2/NDF : 17.3/13

Right Out: -20.384 $\pm$ 38.954 χ^2/NDF : 16.1/18

Left In: 209.304 $\pm$ 232.372 χ^2/NDF : 13.1/12

Left: 301.193 $\pm$ 163.213 χ^2/NDF : 30.7/26

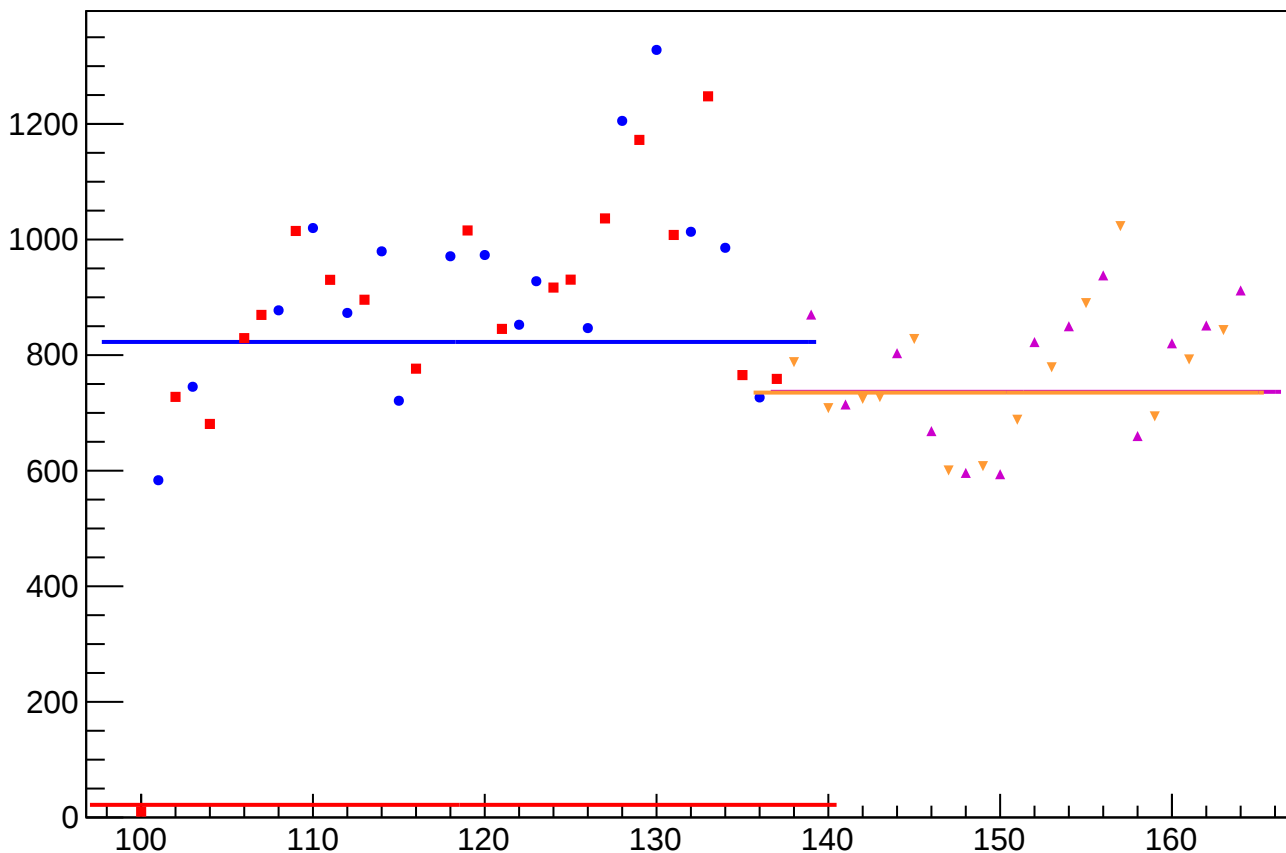
Right: -21.894 $\pm$ 38.682 χ^2/NDF : 33.4/35

In: 96.199 $\pm$ 189.551 χ^2/NDF : 31.0/29

Out: -8.853 $\pm$ 38.404 χ^2/NDF : 36.6/32

All: -4.711 $\pm$ 37.639 χ^2/NDF : 67.8/62

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 735.146 $\pm$ 0.162 χ^2 /NDF: 397517.9/13

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

Left In: 736.477 $\pm$ 0.164 χ^2 /NDF: 482058.3/12

Left: 735.803 $\pm$ 0.115 χ^2 /NDF: 879609.5/26

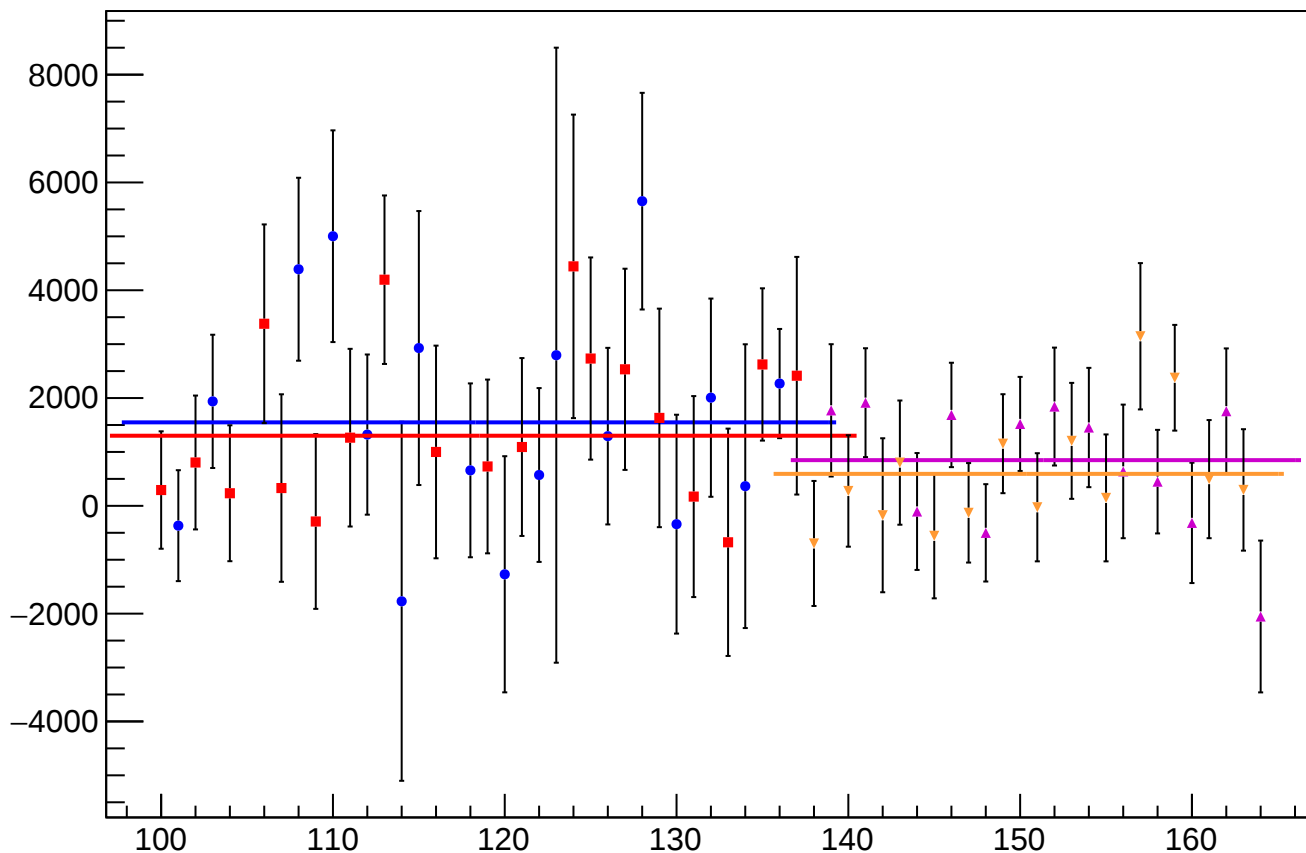
Right: 32.973 $\pm$ 0.027 χ^2 /NDF: 25907183.1/35

In: 765.354 $\pm$ 0.134 χ^2 /NDF: 1175239.8/29

Out: 41.823 $\pm$ 0.027 χ^2 /NDF: 32734859.6/32

All: 70.352 $\pm$ 0.027 χ^2 /NDF: 61901418.7/62

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 593.195 $\pm$ 291.020 χ^2/NDF : 11.4/13

Right Out: 1300.945 $\pm$ 376.043 χ^2/NDF : 12.5/18

Left In: 847.942 $\pm$ 294.499 χ^2/NDF : 13.3/12

Left: 719.055 $\pm$ 207.001 χ^2/NDF : 25.1/26

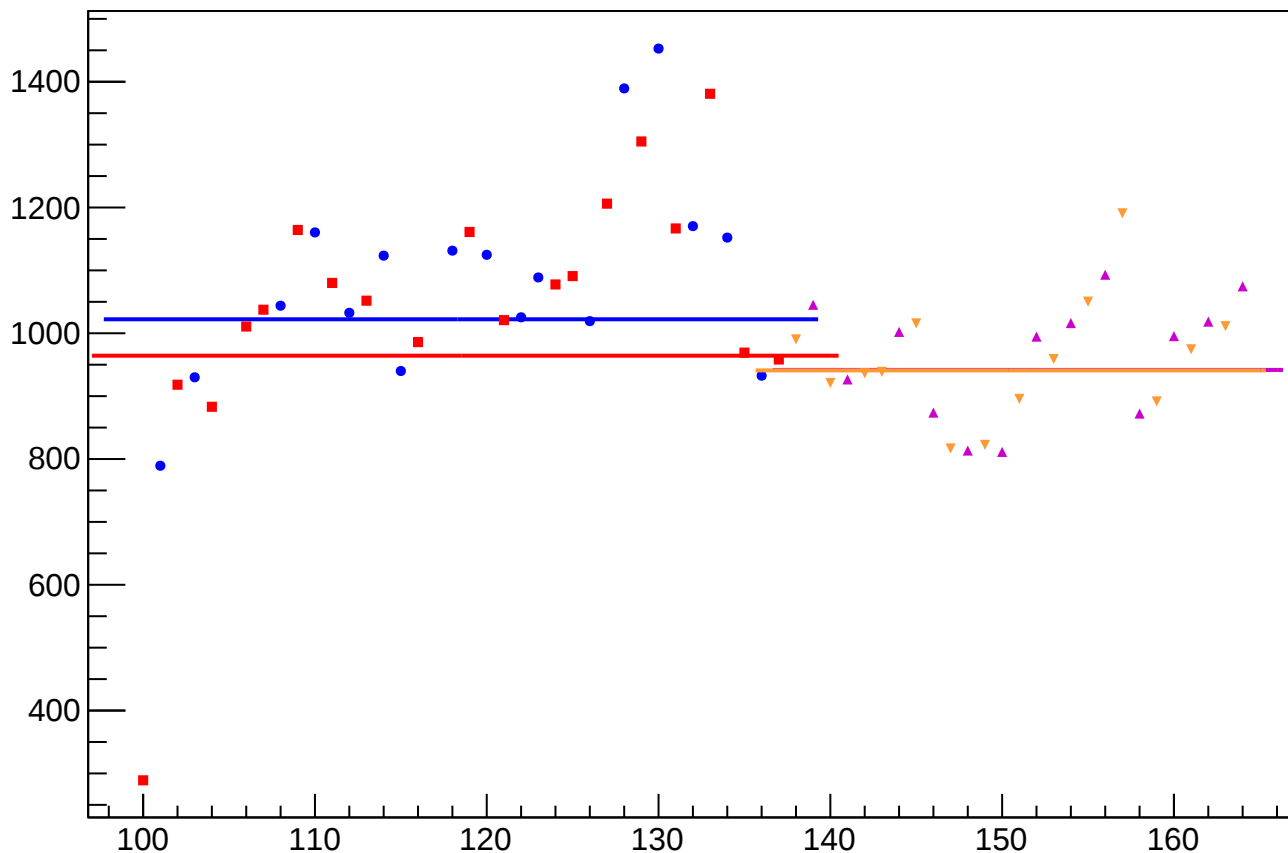
Right: 1416.645 $\pm$ 274.624 χ^2/NDF : 31.7/35

In: 1092.733 $\pm$ 237.572 χ^2/NDF : 34.2/29

Out: 858.304 $\pm$ 230.149 χ^2/NDF : 26.1/32

All: 971.799 $\pm$ 165.302 χ^2/NDF : 60.9/62

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 940.952+/-0.206 χ^2/NDF :186515.1/13

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

Left In: 941.702+/-0.208 χ^2/NDF :200886.4/12

Left: 941.323+/-0.146 χ^2/NDF : 387408.0/26

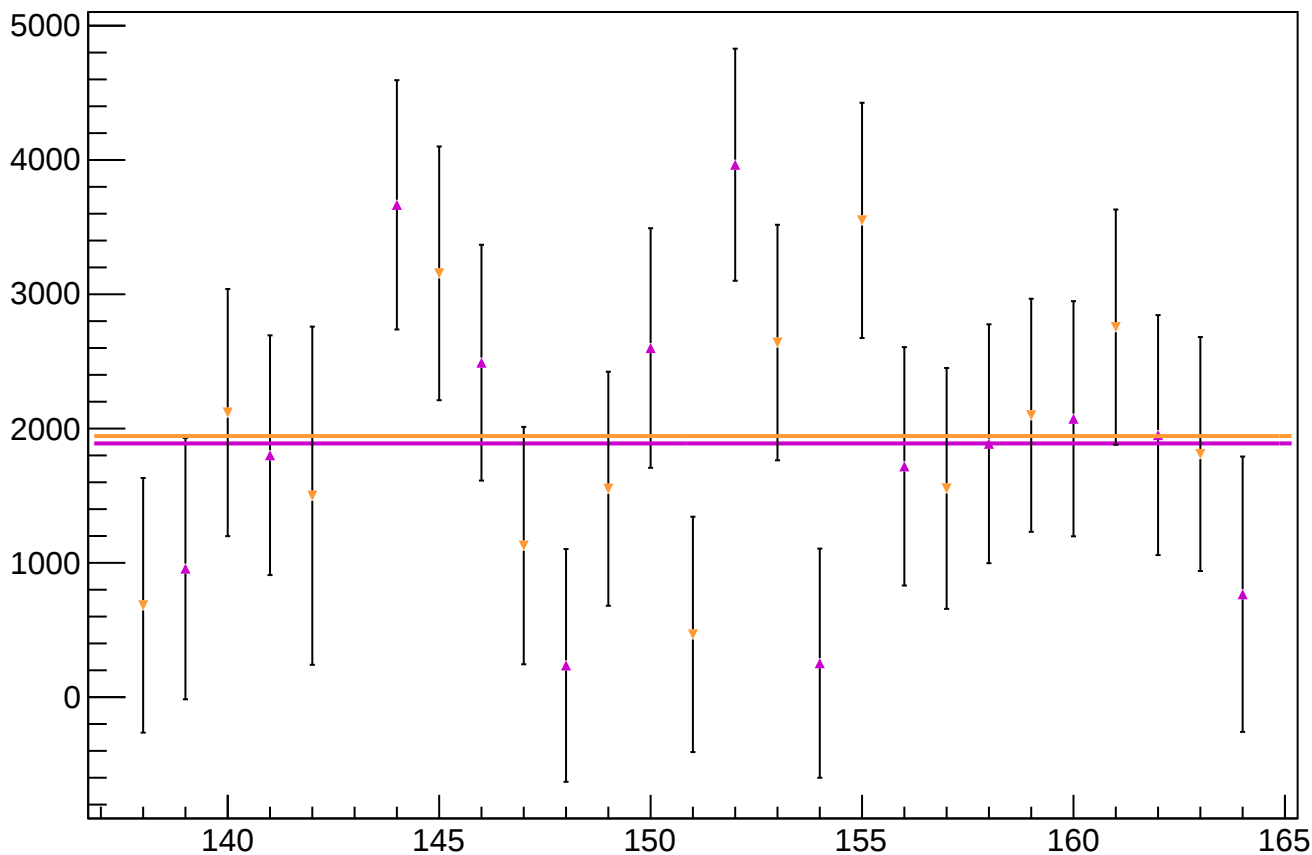
Right: 991.355+/-0.194 χ^2/NDF : 1421282.7/35

In: 969.830+/-0.168 χ^2/NDF :584991.5/29

Out: 949.709+/-0.163 χ^2/NDF :1258630.5/32

All: 959.450+/-0.117 χ^2/NDF : 1851022.6/62

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1944.133+/-252.061 χ^2/NDF :12.6/12

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

Left In: 1889.325+/-249.123 χ^2/NDF :20.1/12

Left: 1916.408+/-177.186 χ^2/NDF : 32.7/25

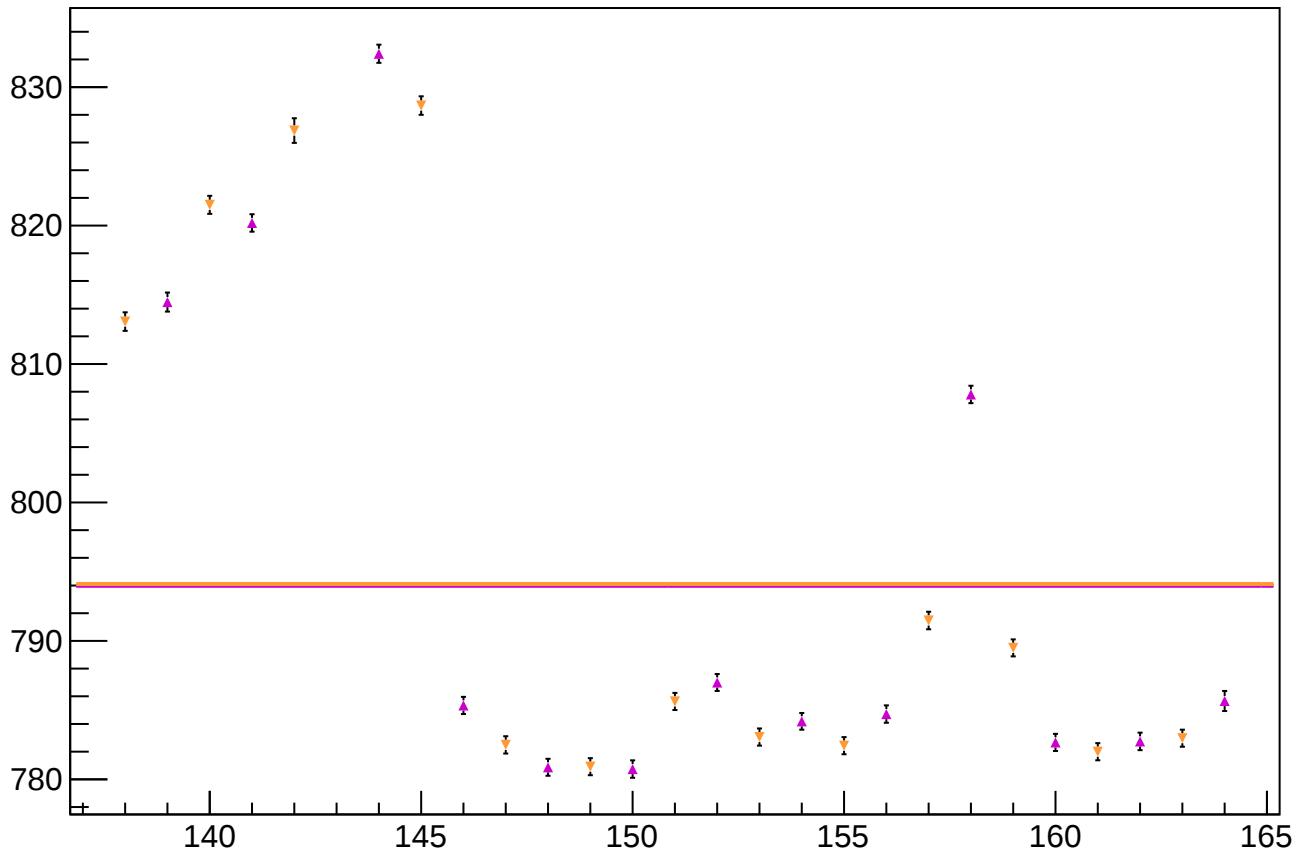
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1889.325+/-249.123 χ^2/NDF :20.1/12

Out: 1944.133+/-252.061 χ^2/NDF :12.6/12

All: 1916.408+/-177.186 χ^2/NDF : 32.7/25

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 794.112+/-0.178 χ^2/NDF :9049.1/12

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

Left In: 793.982+/-0.176 χ^2/NDF :9010.1/12

Left: 794.046+/-0.125 χ^2/NDF : 18059.5/25

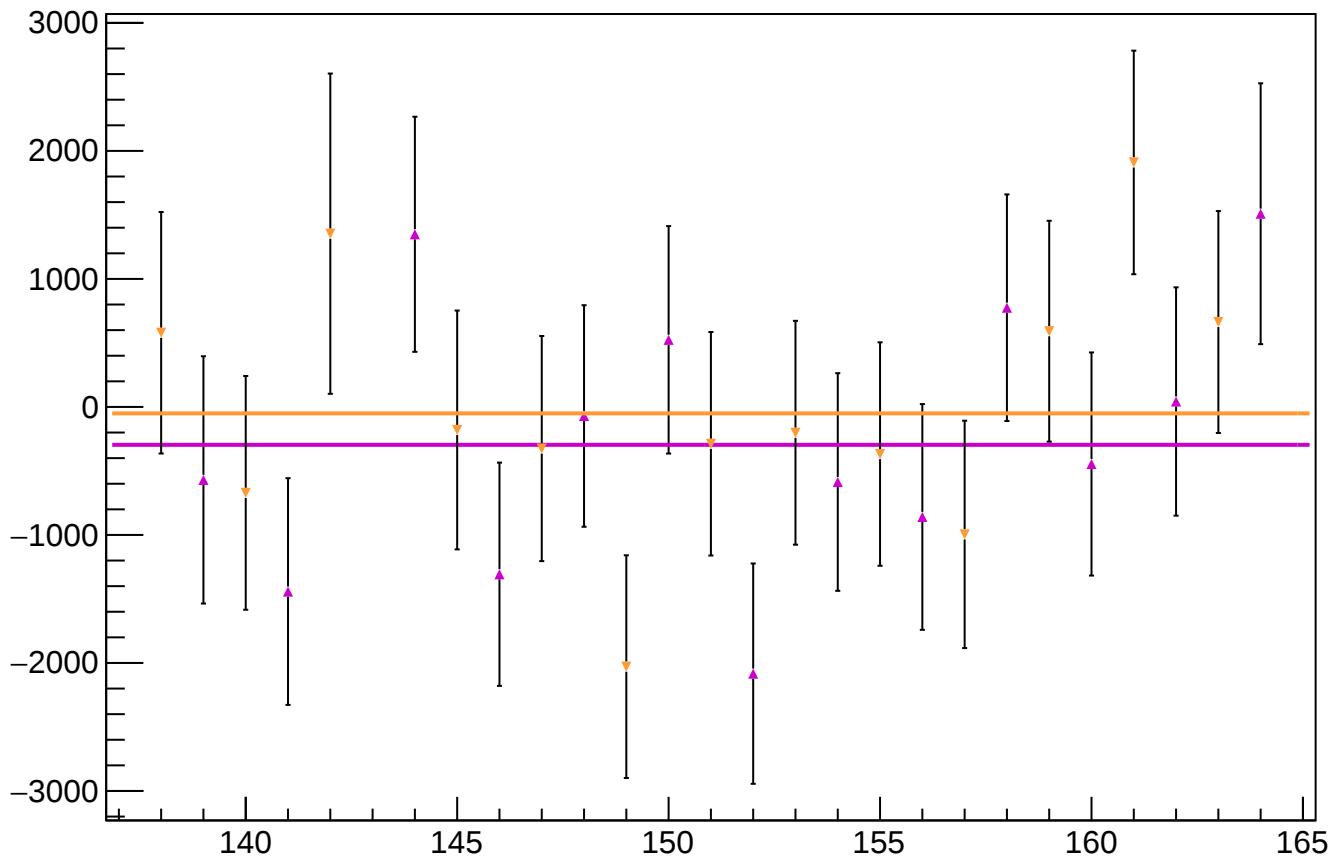
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 793.982+/-0.176 χ^2/NDF :9010.1/12

Out: 794.112+/-0.178 χ^2/NDF :9049.1/12

All: 794.046+/-0.125 χ^2/NDF : 18059.5/25

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -50.380+/-250.680 χ^2/NDF :15.1/12

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

Left In: -296.055+/-247.809 χ^2/NDF :16.8/12

Left: -174.633+/-176.234 χ^2/NDF : 32.4/25

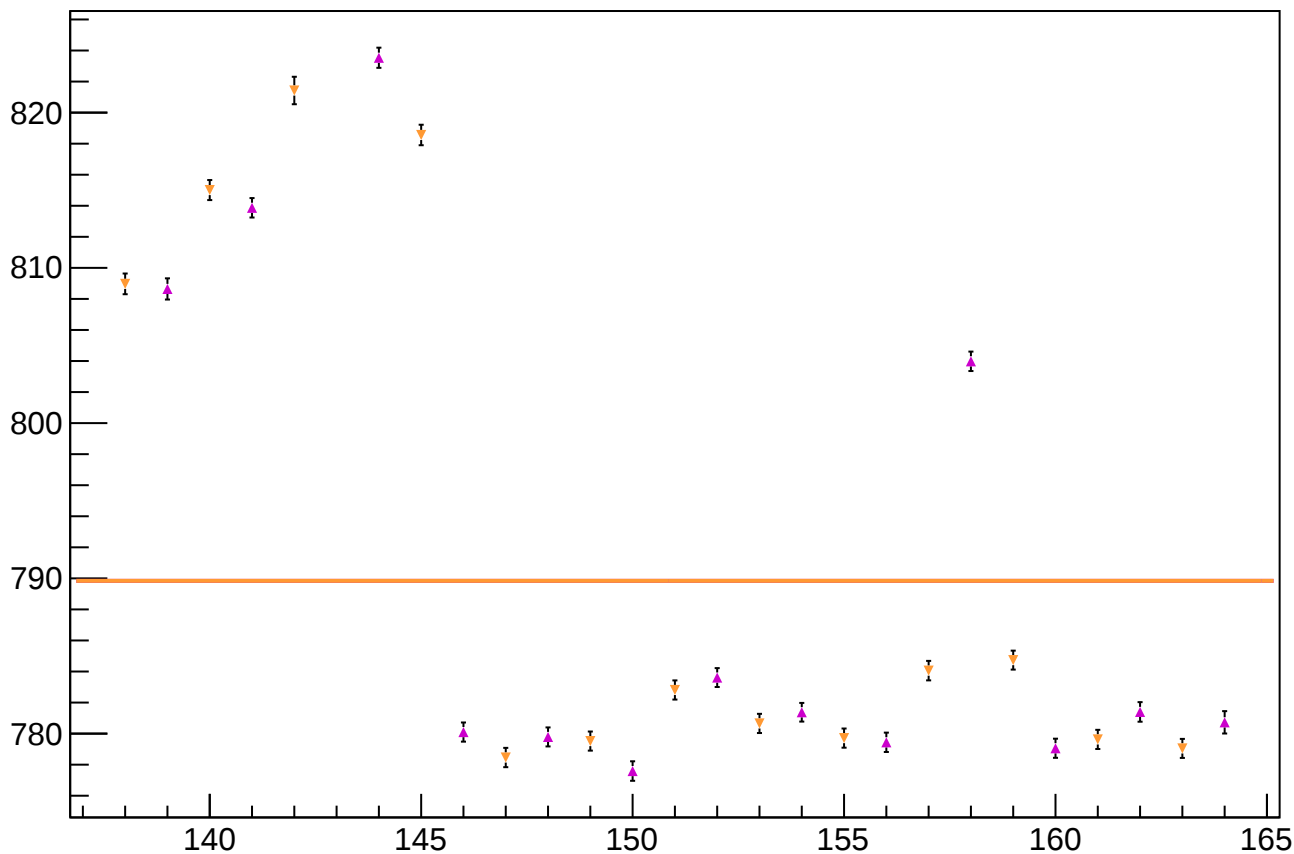
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -296.055+/-247.809 χ^2/NDF :16.8/12

Out: -50.380+/-250.680 χ^2/NDF :15.1/12

All: -174.633+/-176.234 χ^2/NDF : 32.4/25

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 789.841+/-0.177 χ^2/NDF : 7487.0/12

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

Left In: 789.838+/-0.175 χ^2/NDF : 7560.1/12

Left: 789.840+/-0.125 χ^2/NDF : 15047.1/25

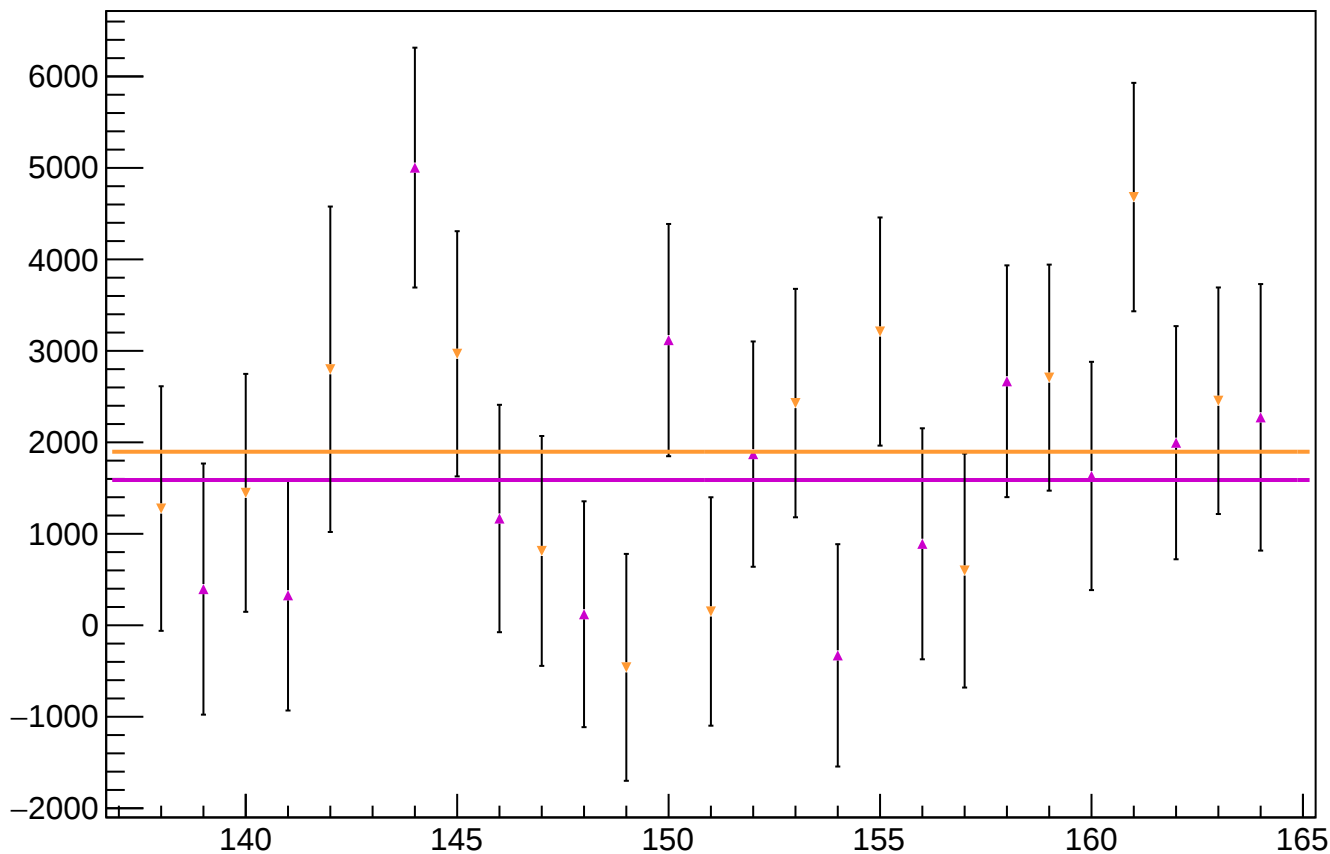
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 789.838+/-0.175 χ^2/NDF : 7560.1/12

Out: 789.841+/-0.177 χ^2/NDF : 7487.0/12

All: 789.840+/-0.125 χ^2/NDF : 15047.1/25

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1897.374+/-358.228 χ^2/NDF :15.5/12

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

Left In: 1588.284+/-353.945 χ^2/NDF :15.4/12

Left: 1740.970+/-251.777 χ^2/NDF : 31.3/25

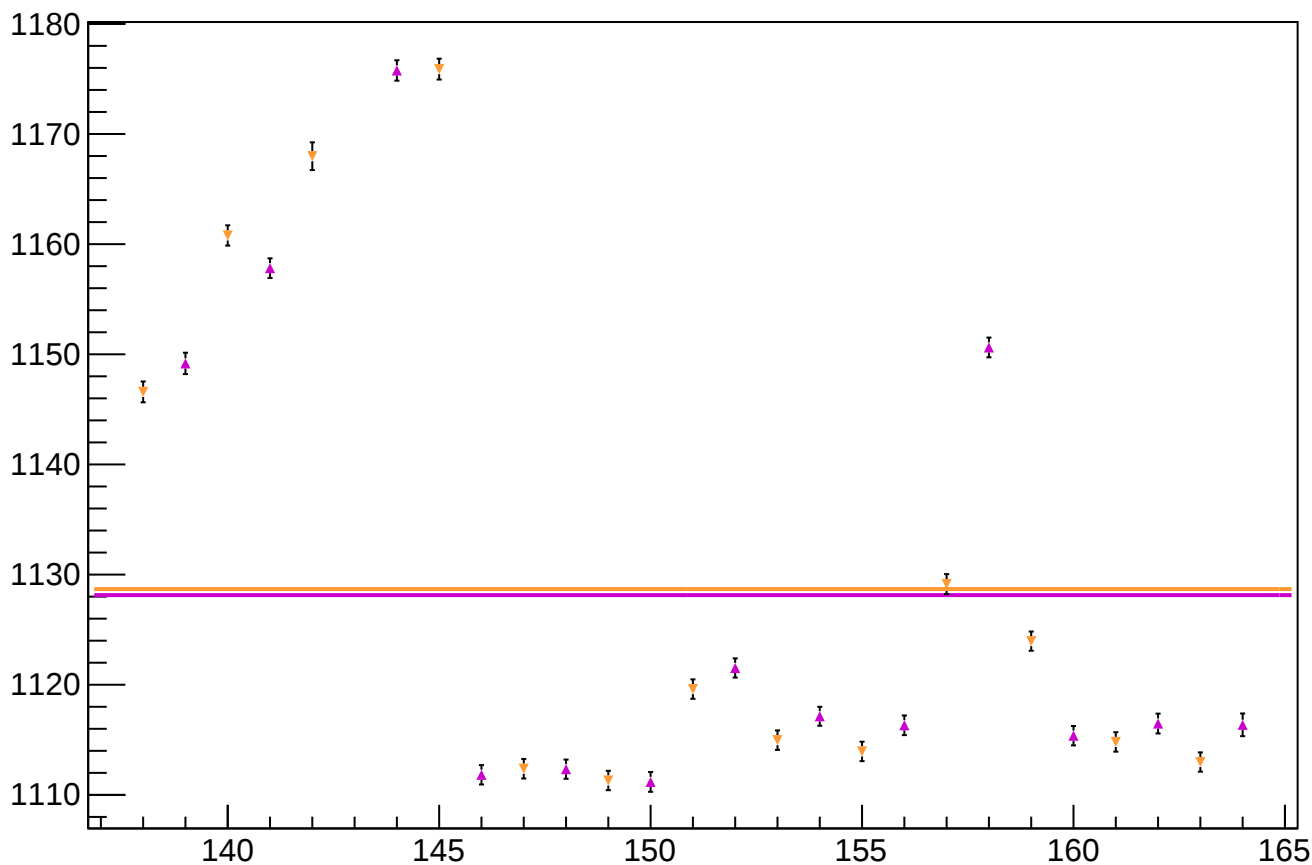
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1588.284+/-353.945 χ^2/NDF :15.4/12

Out: 1897.374+/-358.228 χ^2/NDF :15.5/12

All: 1740.970+/-251.777 χ^2/NDF : 31.3/25

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1128.687+/-0.253 χ^2/NDF : 6988.7/12

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

Left In: 1128.137+/-0.250 χ^2/NDF : 6782.8/12

Left: 1128.408+/-0.178 χ^2/NDF : 13773.8/25

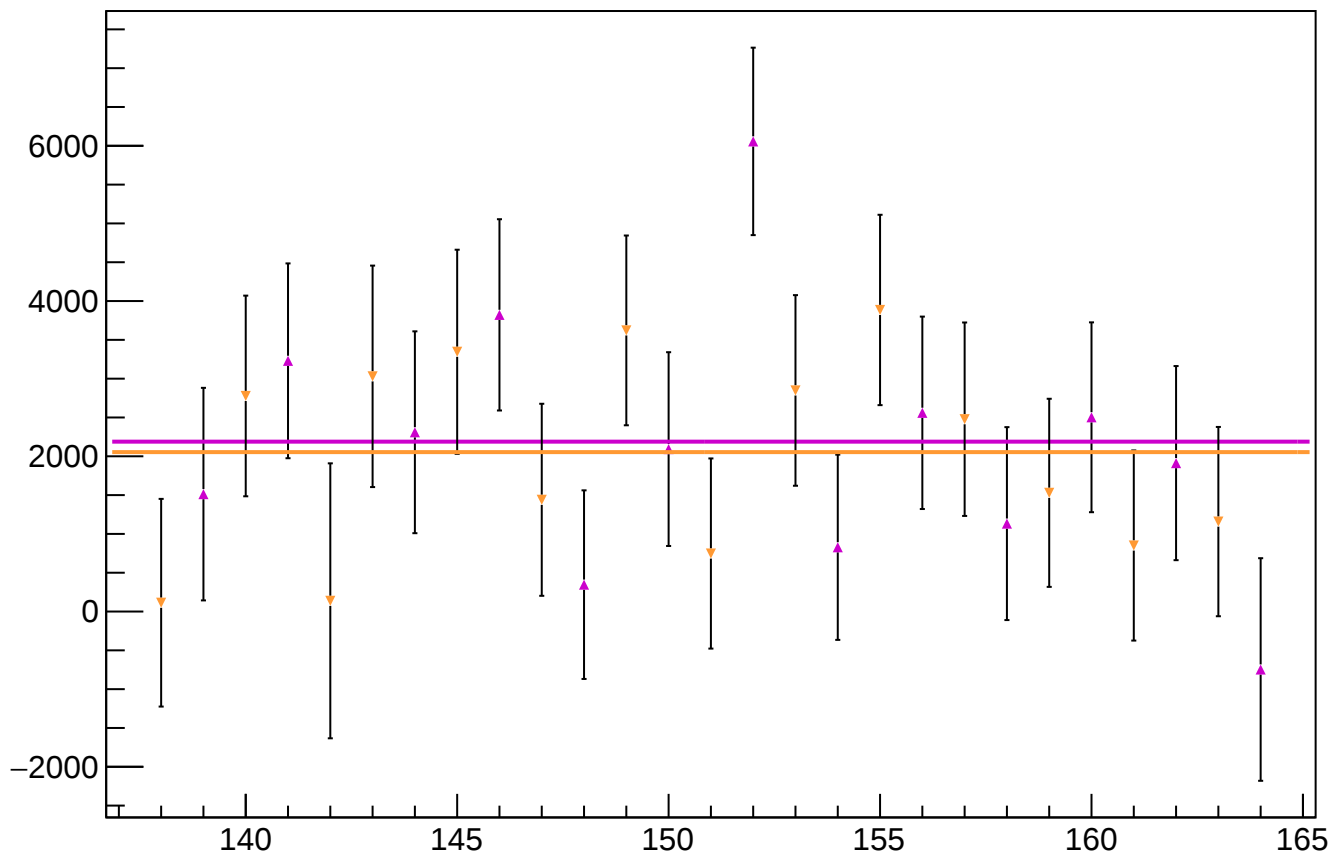
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1128.137+/-0.250 χ^2/NDF : 6782.8/12

Out: 1128.687+/-0.253 χ^2/NDF : 6988.7/12

All: 1128.408+/-0.178 χ^2/NDF : 13773.8/25

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2053.744+/-342.435 χ^2/NDF :12.5/13

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

Left In: 2188.612+/-348.799 χ^2/NDF :21.7/12

Left: 2119.936+/-244.357 χ^2/NDF : 34.3/26

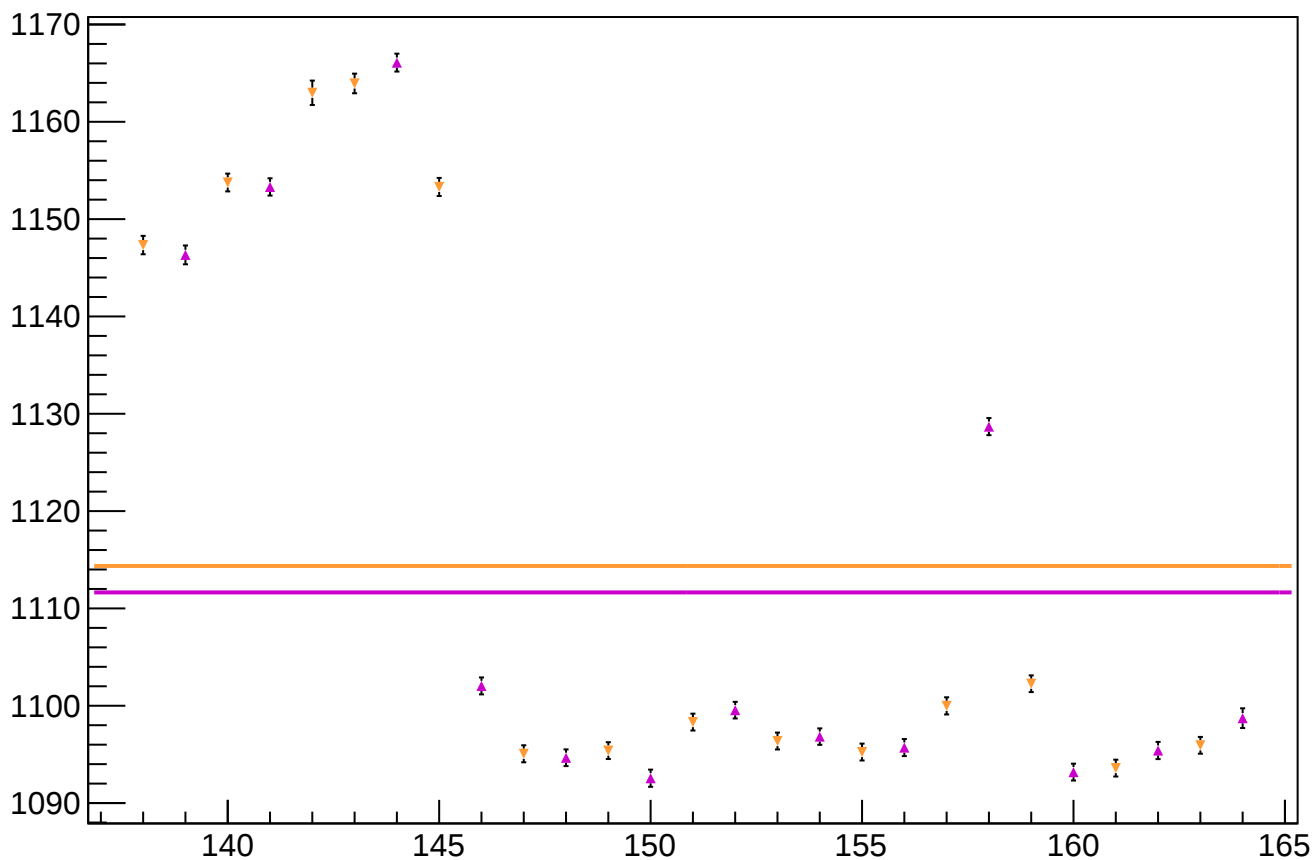
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2188.612+/-348.799 χ^2/NDF :21.7/12

Out: 2053.744+/-342.435 χ^2/NDF :12.5/13

All: 2119.936+/-244.357 χ^2/NDF : 34.3/26

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1114.362+/-0.242 χ^2/NDF :12474.8/13

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

Left In: 1111.644+/-0.247 χ^2/NDF :10145.4/12

Left: 1113.028+/-0.173 χ^2/NDF : 22682.0/26

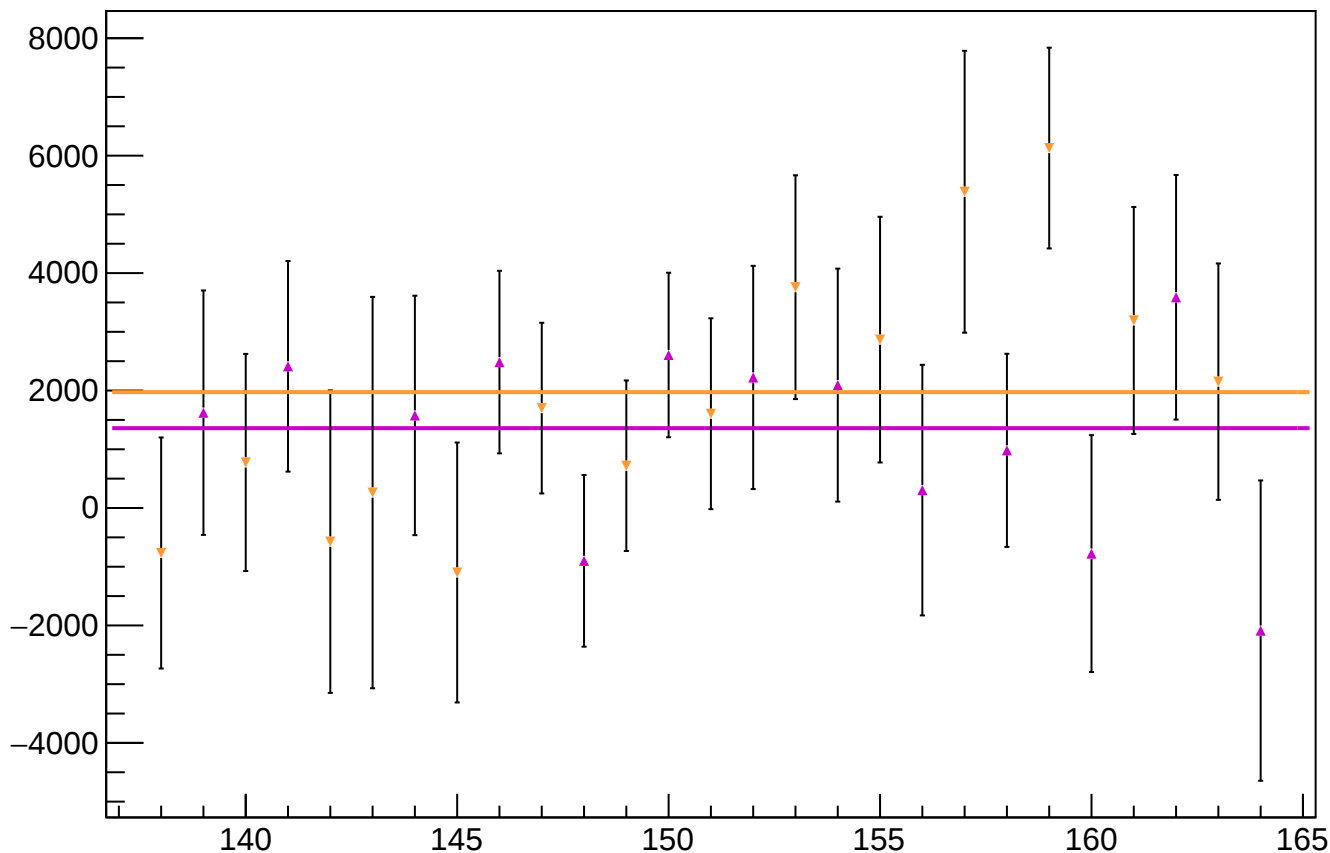
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1111.644+/-0.247 χ^2/NDF :10145.4/12

Out: 1114.362+/-0.242 χ^2/NDF :12474.8/13

All: 1113.028+/-0.173 χ^2/NDF : 22682.0/26

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1972.057+/-509.193 χ^2/NDF :15.8/13

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

Left In: 1359.362+/-504.814 χ^2/NDF :8.8/12

Left: 1663.064+/-358.496 χ^2/NDF : 25.3/26

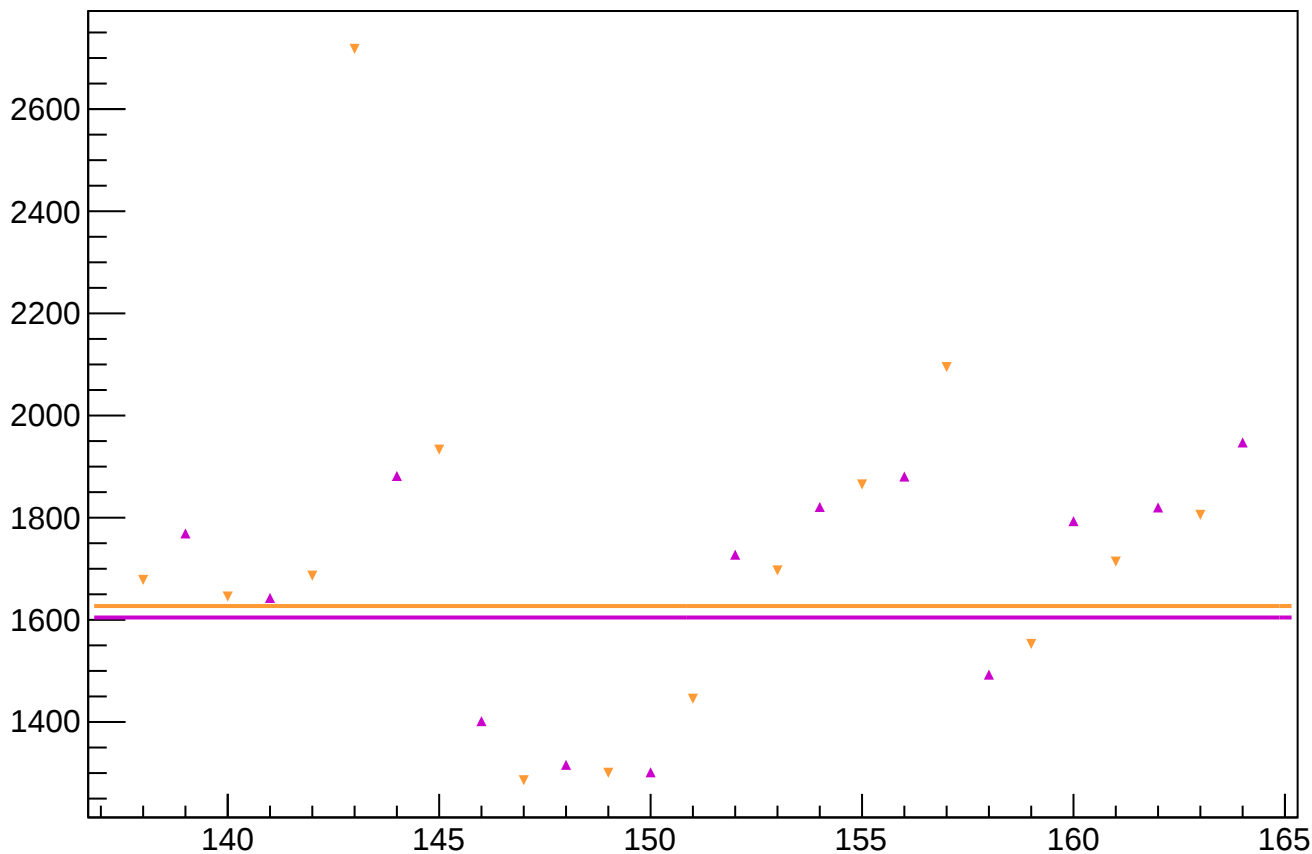
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1359.362+/-504.814 χ^2/NDF :8.8/12

Out: 1972.057+/-509.193 χ^2/NDF :15.8/13

All: 1663.064+/-358.496 χ^2/NDF : 25.3/26

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1627.036+/-0.360 χ^2/NDF : 619662.5/13

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

Left In: 1604.572+/-0.357 χ^2/NDF : 405711.1/12

Left: 1615.707+/-0.253 χ^2/NDF : 1027336.8/26

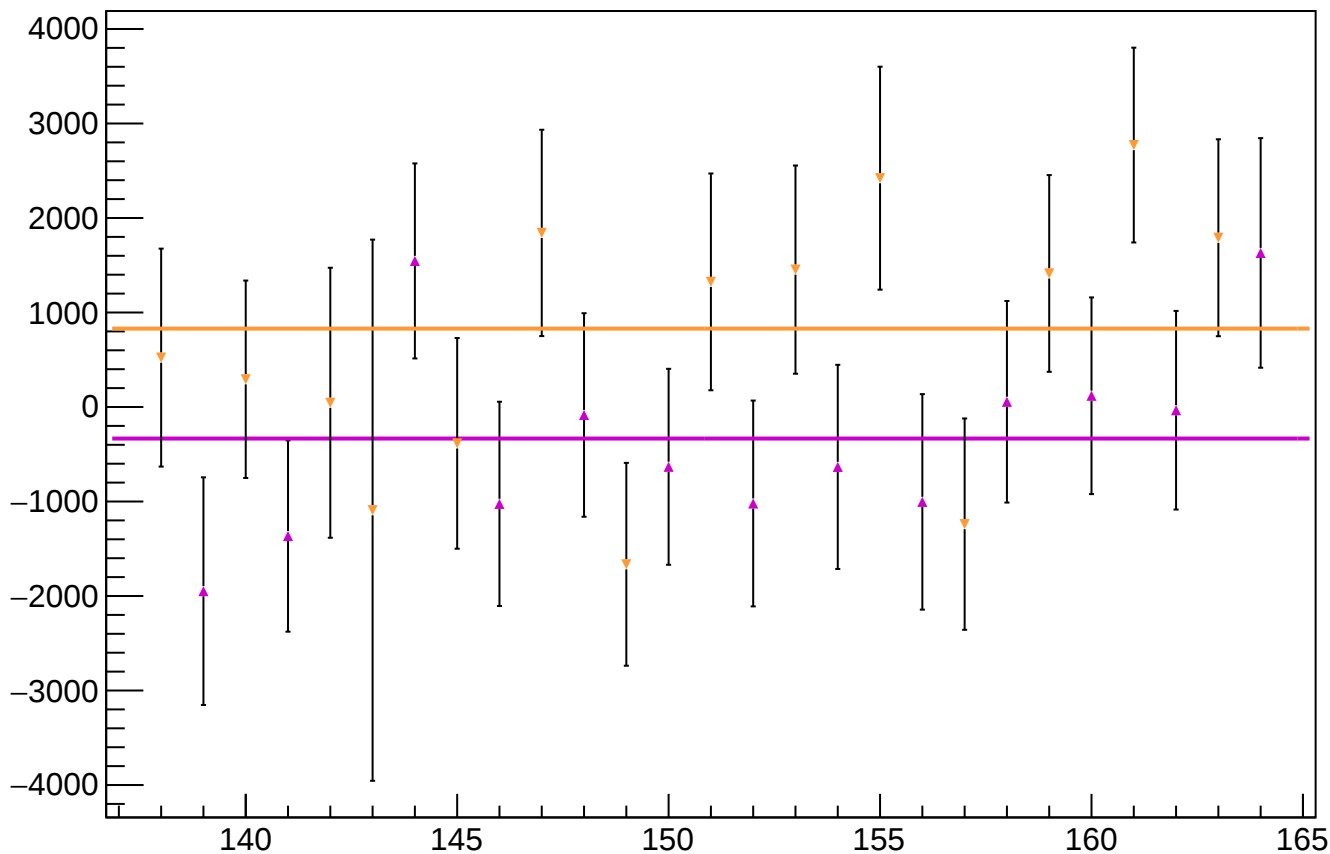
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1604.572+/-0.357 χ^2/NDF : 405711.1/12

Out: 1627.036+/-0.360 χ^2/NDF : 619662.5/13

All: 1615.707+/-0.253 χ^2/NDF : 1027336.8/26

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 829.406+/-305.982 χ^2/NDF :19.0/13

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

Left In: -333.759+/-300.021 χ^2/NDF :10.5/12

Left: 236.382+/-214.223 χ^2/NDF : 36.9/26

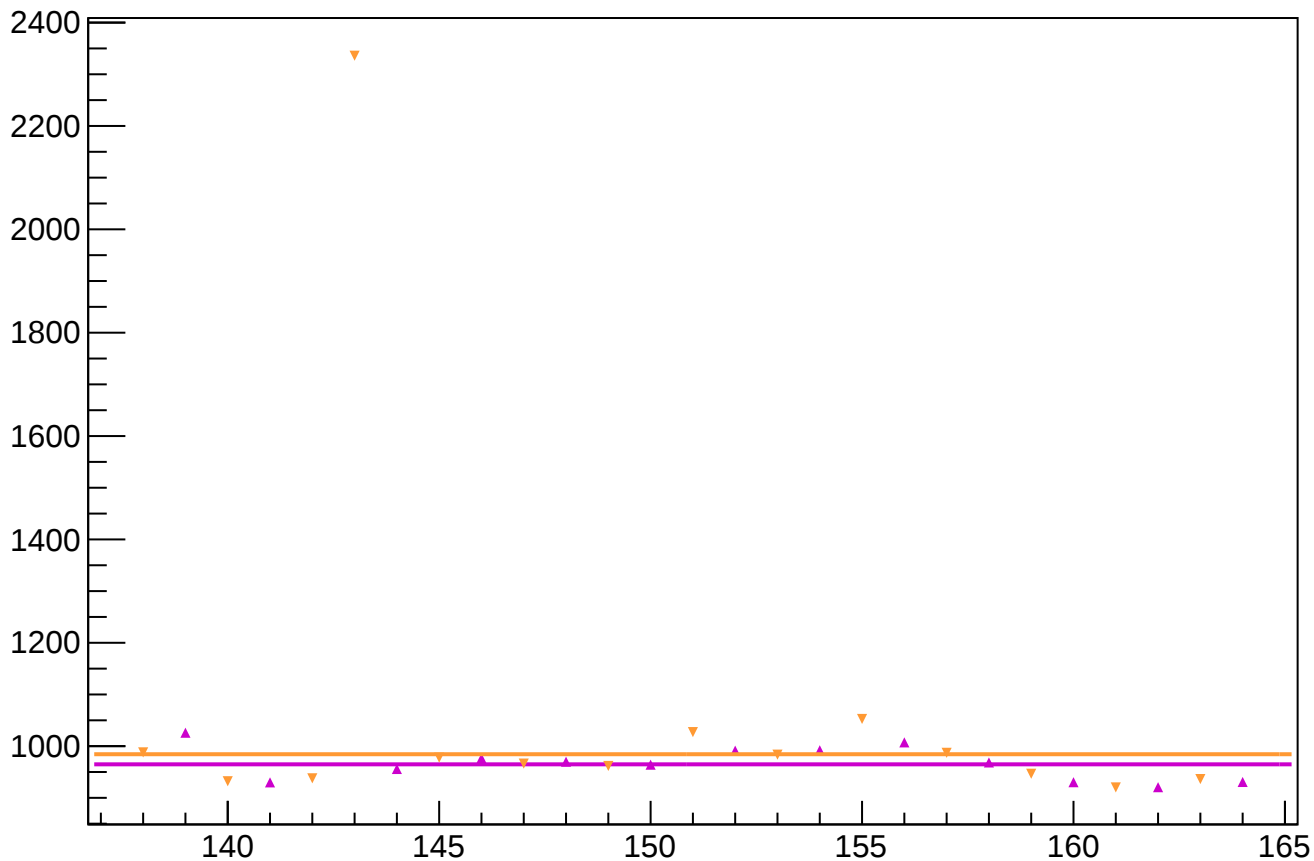
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -333.759+/-300.021 χ^2/NDF :10.5/12

Out: 829.406+/-305.982 χ^2/NDF :19.0/13

All: 236.382+/-214.223 χ^2/NDF : 36.9/26

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 984.385+/-0.216 χ^2/NDF : 478446.5/13

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

Left In: 964.835+/-0.212 χ^2/NDF : 20557.7/12

Left: 974.418+/-0.151 χ^2/NDF : 503166.4/26

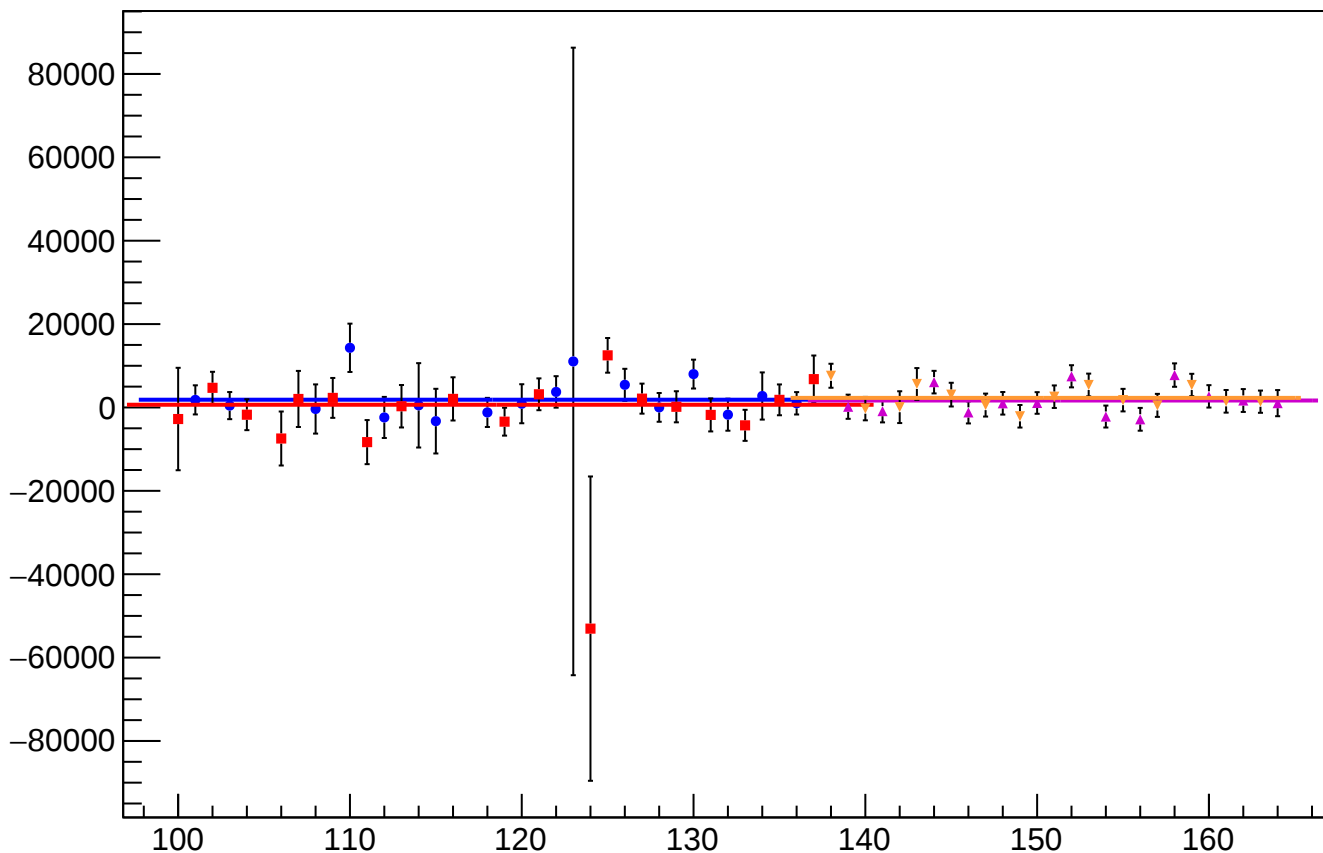
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 964.835+/-0.212 χ^2/NDF : 20557.7/12

Out: 984.385+/-0.216 χ^2/NDF : 478446.5/13

All: 974.418+/-0.151 χ^2/NDF : 503166.4/26

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2296.274+/-759.617 χ^2/NDF : 11.8/13

Right Out: 654.213+/-1023.772 χ^2/NDF : 22.1/18

Left In: 1668.800+/-758.207 χ^2/NDF : 19.6/12

Left: 1981.955+/-536.631 χ^2/NDF : 31.7/26

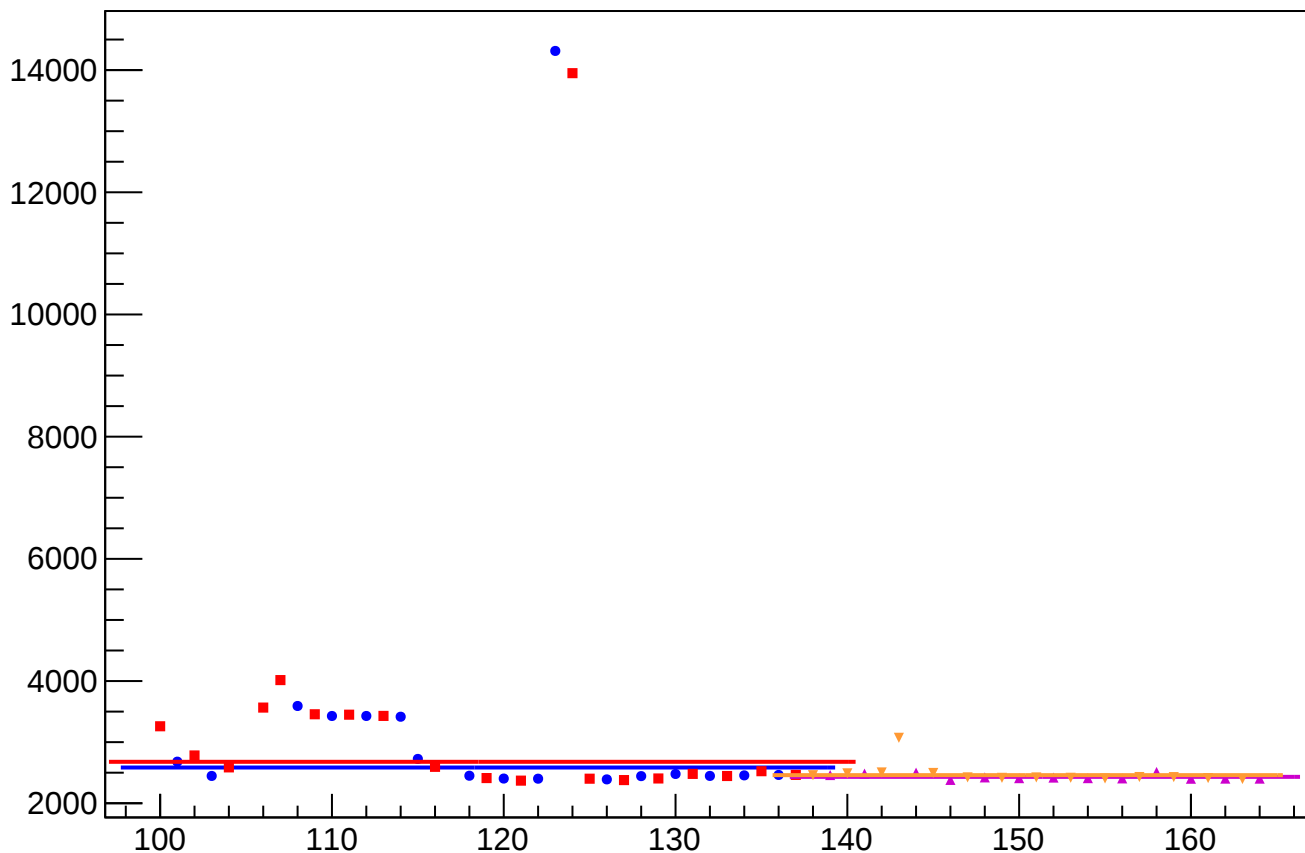
Right: 1263.106+/-720.235 χ^2/NDF : 35.3/35

In: 1737.331+/-607.104 χ^2/NDF : 32.1/29

Out: 1713.244+/-610.035 χ^2/NDF : 35.5/32

All: 1725.346+/-430.320 χ^2/NDF : 67.7/62

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2459.903+/-0.537 χ^2/NDF : 57213.8/13

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

Left In: 2431.918+/-0.536 χ^2/NDF : 5739.6/12

Left: 2445.884+/-0.379 χ^2/NDF : 64313.1/26

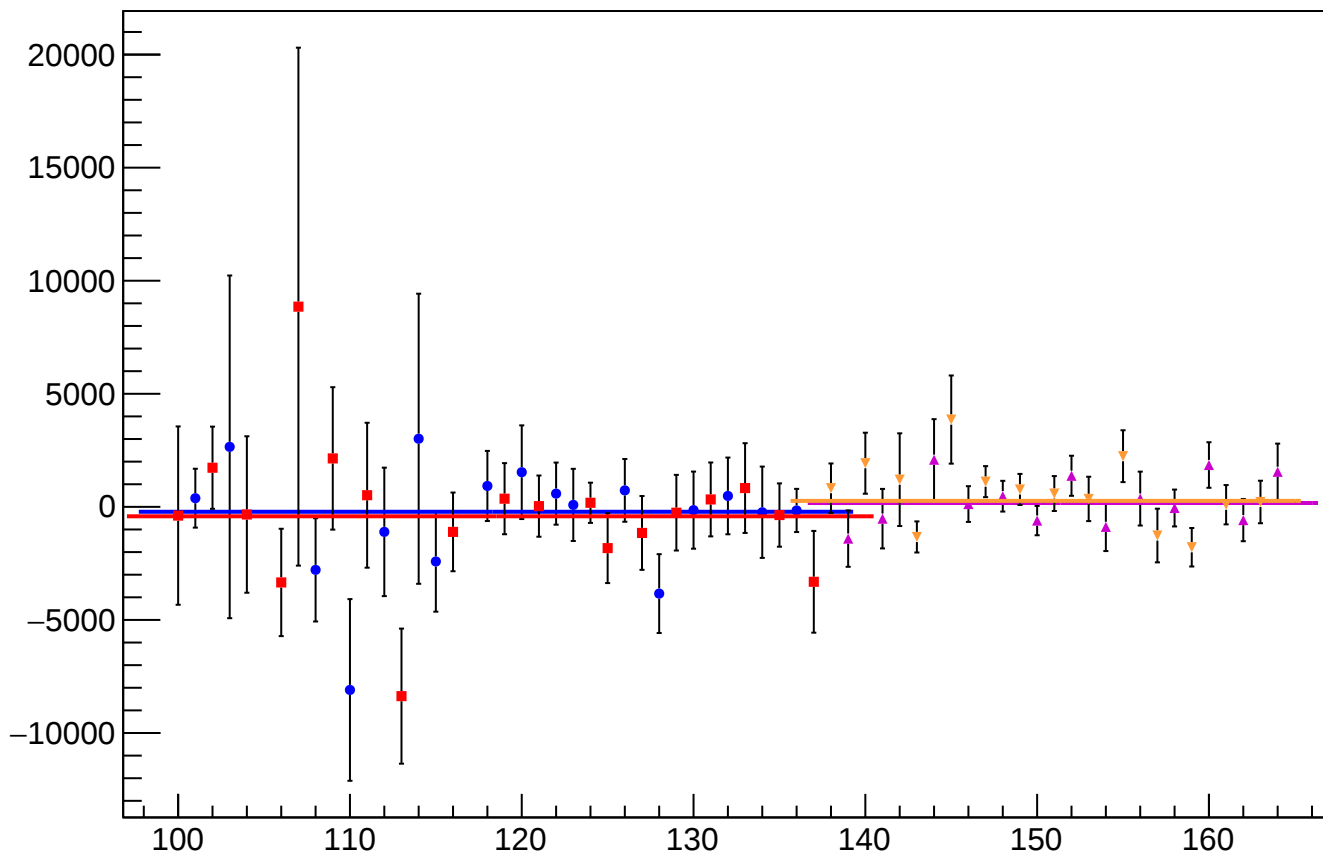
Right: 2631.050+/-0.509 χ^2/NDF : 796216.7/35

In: 2486.788+/-0.429 χ^2/NDF : 290638.1/29

Out: 2537.422+/-0.431 χ^2/NDF : 647972.1/32

All: 2511.983+/-0.304 χ^2/NDF : 945532.5/62

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 264.395 ± 247.932 χ^2/NDF : 23.5/13

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

Left In: 171.228 ± 259.898 χ^2/NDF : 12.2/12

Left: 220.006 ± 179.395 χ^2/NDF : 35.8/26

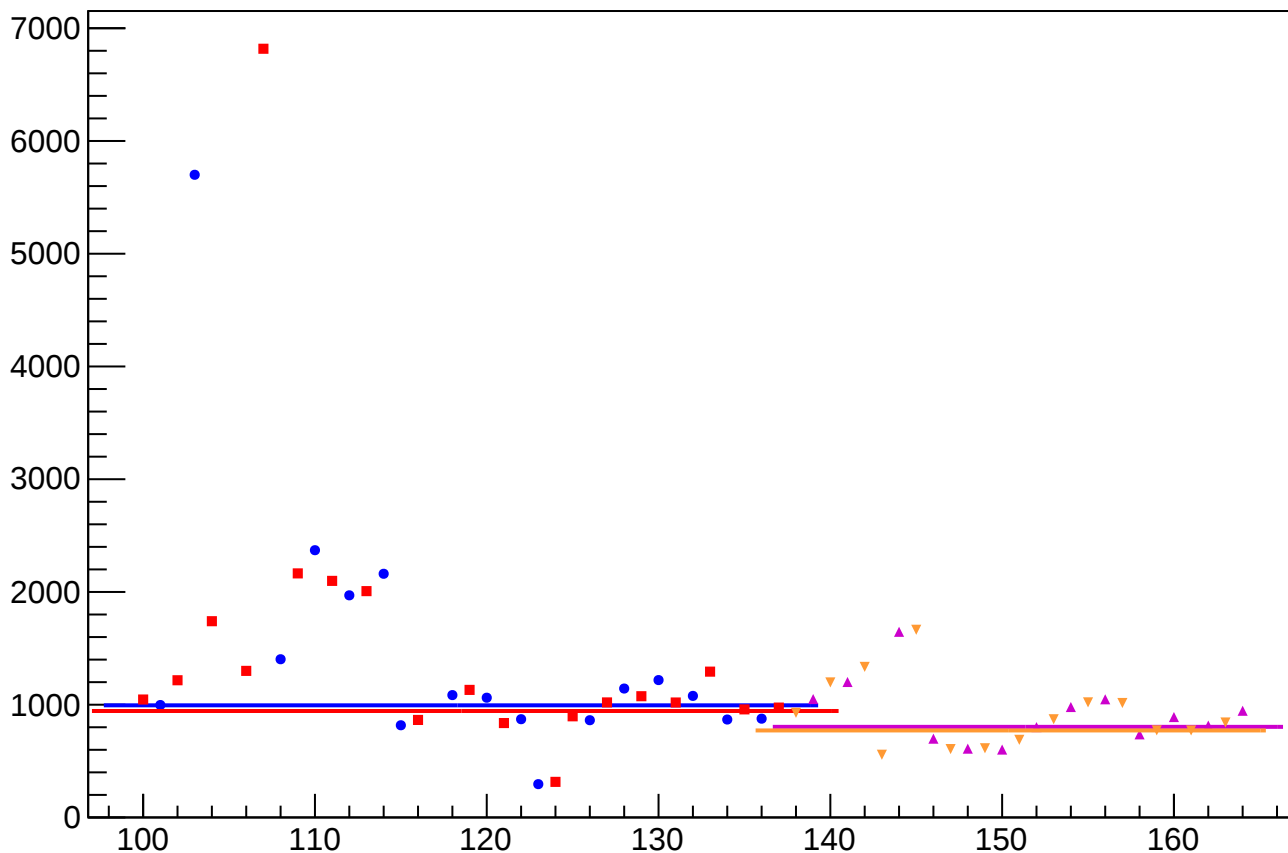
Right: -319.789 ± 293.036 χ^2/NDF : 29.2/35

In: 63.755 ± 221.017 χ^2/NDF : 26.2/29

Out: 81.220 ± 212.015 χ^2/NDF : 41.2/32

All: 72.850 ± 153.001 χ^2/NDF : 67.5/62

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 771.754+/-0.175 χ^2/NDF :1462768.0/13

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

Left In: 803.643+/-0.184 χ^2/NDF :1285628.1/12

Left: 786.947+/-0.127 χ^2/NDF : 2764160.7/26

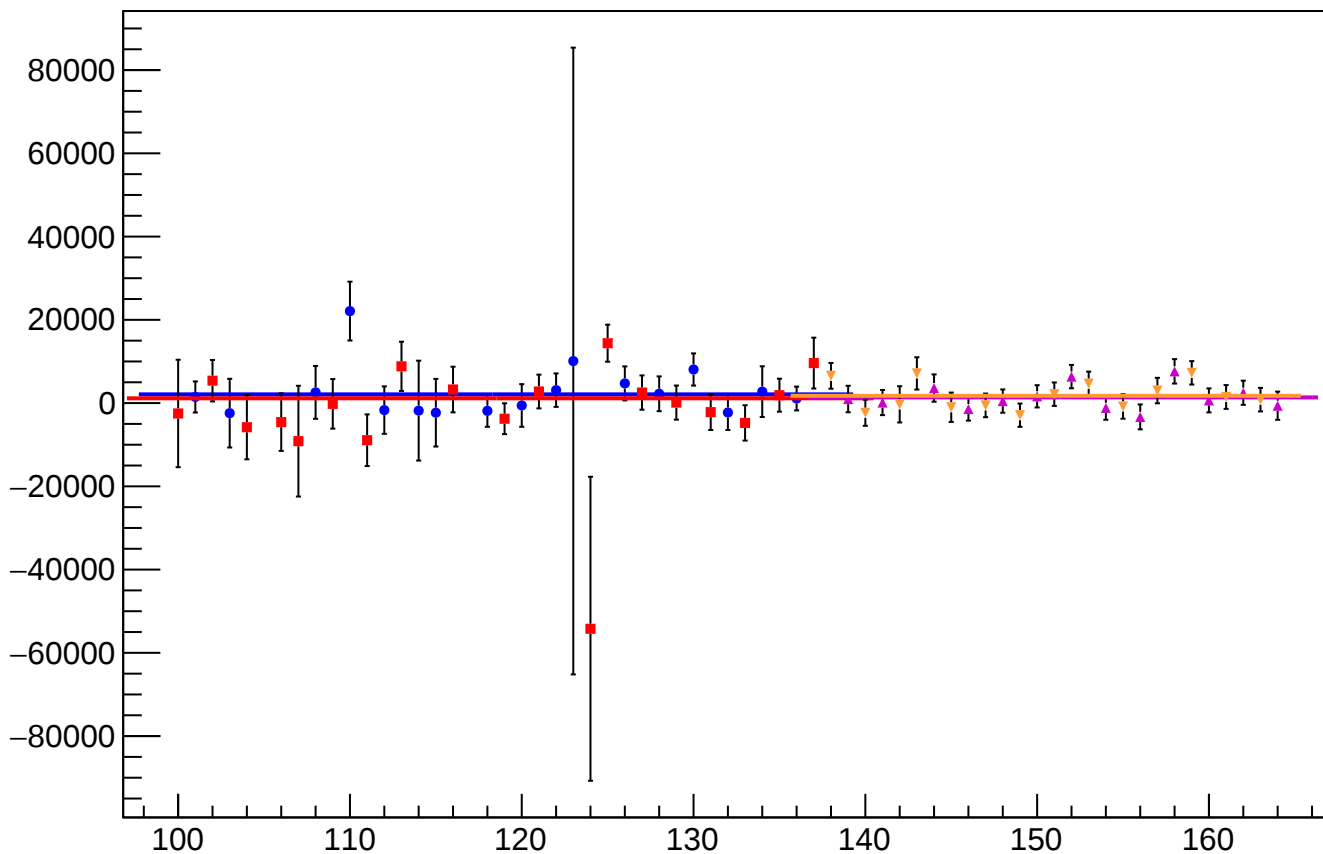
Right: 968.741+/-0.207 χ^2/NDF : 4585251.1/35

In: 856.487+/-0.156 χ^2/NDF :3488867.3/29

Out: 818.121+/-0.150 χ^2/NDF :4389059.1/32

All: 836.507+/-0.108 χ^2/NDF : 7909312.1/62

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1757.305 $\pm$ 816.749 χ^2/NDF : 16.2/13

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

Left In: 1364.242 $\pm$ 815.827 χ^2/NDF : 13.3/12

Left: 1560.551 $\pm$ 577.203 χ^2/NDF : 29.6/26

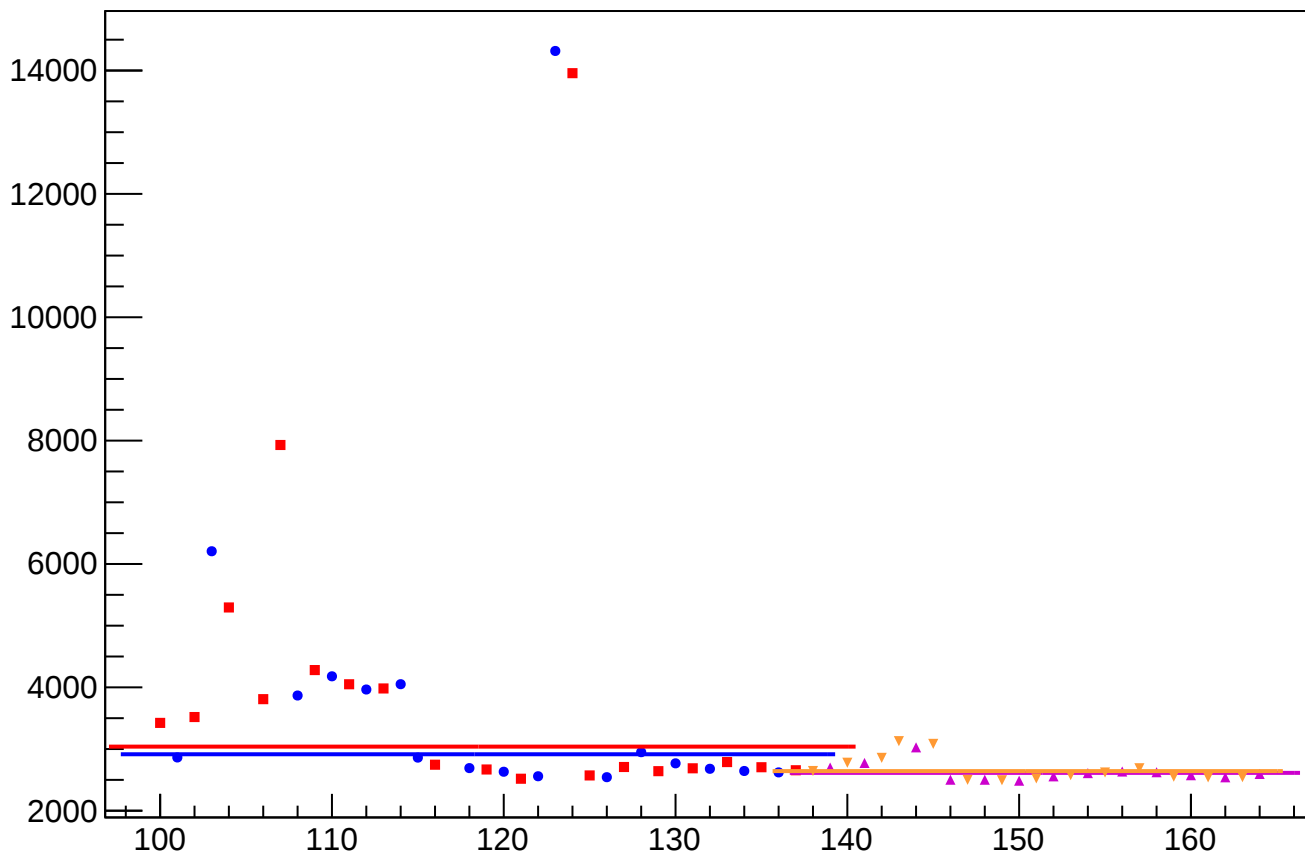
Right: 1631.633 $\pm$ 829.783 χ^2/NDF : 40.1/35

In: 1605.644 $\pm$ 667.397 χ^2/NDF : 28.2/29

Out: 1561.456 $\pm$ 672.855 χ^2/NDF : 41.5/32

All: 1583.730 $\pm$ 473.839 χ^2/NDF : 69.7/62

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2642.181+/-0.578 χ^2/NDF : 94063.2/13

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

Left In: 2613.523+/-0.577 χ^2/NDF : 52368.9/12

Left: 2627.836+/-0.408 χ^2/NDF : 147664.6/26

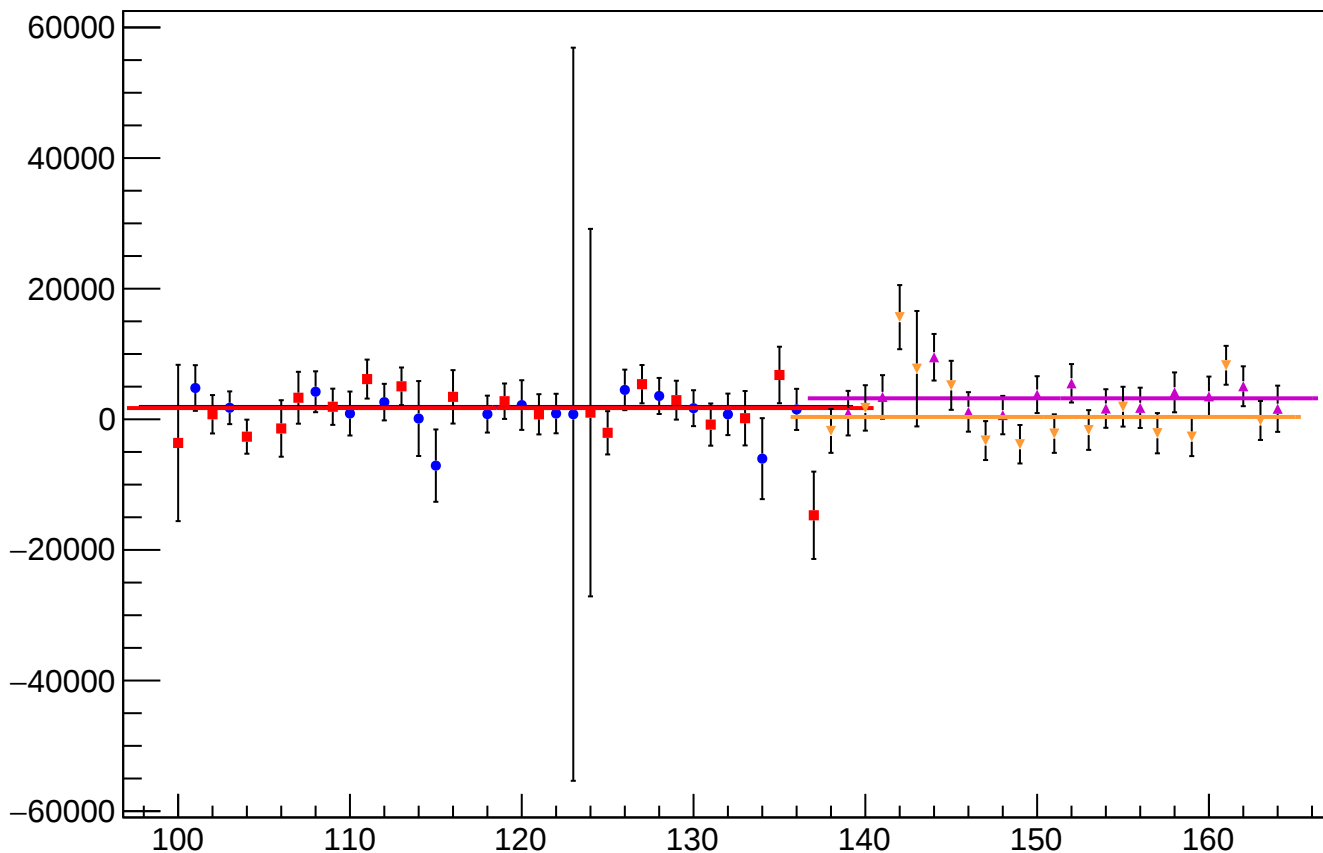
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

In: 2713.311+/-0.472 χ^2/NDF : 781964.5/29

Out: 2769.731+/-0.476 χ^2/NDF : 1257248.9/32

All: 2741.291+/-0.335 χ^2/NDF : 2046301.7/62

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 359.841 $\pm$ 877.798 χ^2 /NDF: 26.3/13

Right Out: 1719.130 $\pm$ 790.110 χ^2 /NDF: 19.0/18

Left In: 3212.606 $\pm$ 862.607 χ^2 /NDF: 6.6/12

Left: 1811.122 $\pm$ 615.256 χ^2 /NDF: 38.3/26

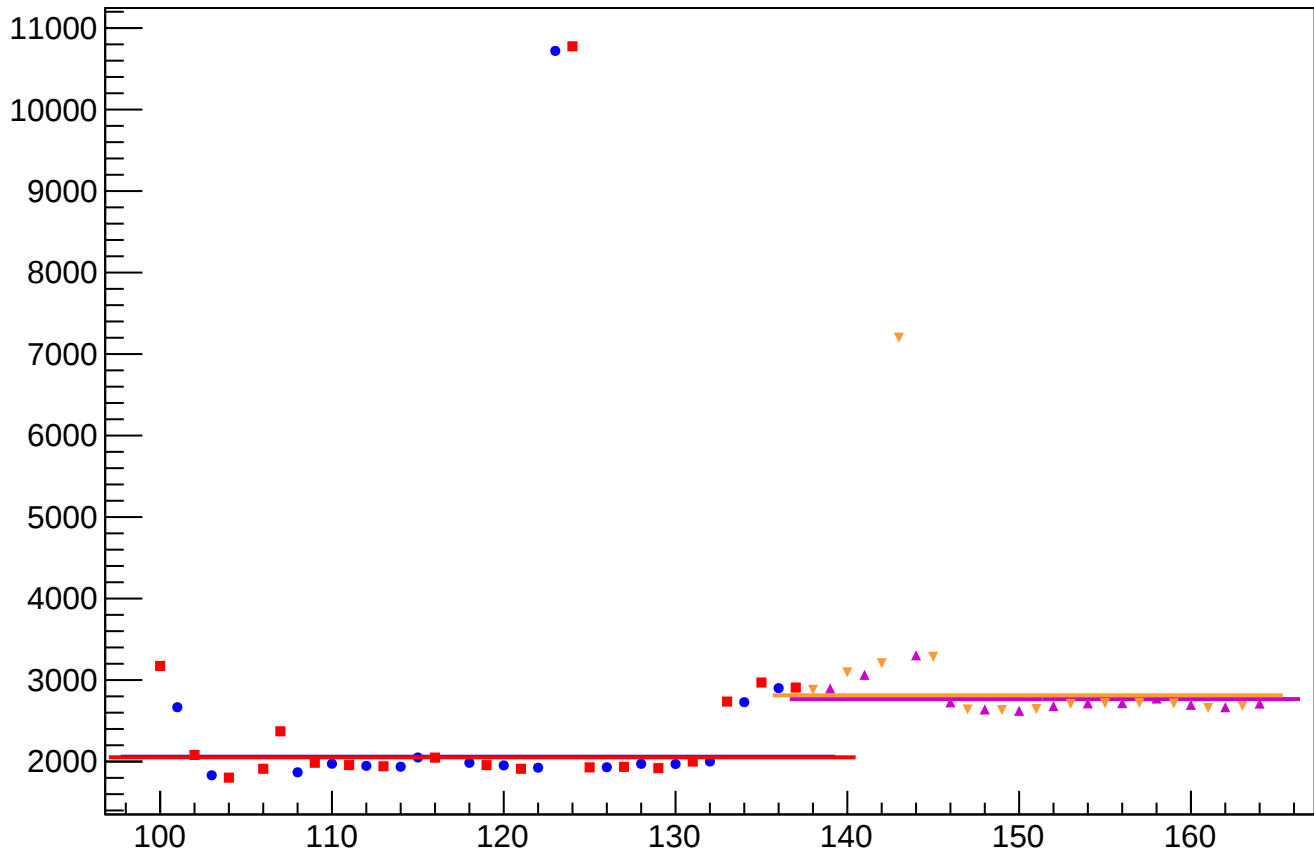
Right: 1802.263 $\pm$ 566.080 χ^2 /NDF: 26.2/35

In: 2510.878 $\pm$ 591.033 χ^2 /NDF: 15.1/29

Out: 1110.751 $\pm$ 587.254 χ^2 /NDF: 46.6/32

All: 1806.324 $\pm$ 416.581 χ^2 /NDF: 64.5/62

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2813.122+/-0.621 χ^2/NDF : 590309.7/13

Right Out: 2052.260+/-0.559 χ^2/NDF : 443321.6/18

Left In: 2766.509+/-0.610 χ^2/NDF : 80090.9/12

Left: 2789.408+/-0.435 χ^2/NDF : 673269.7/26

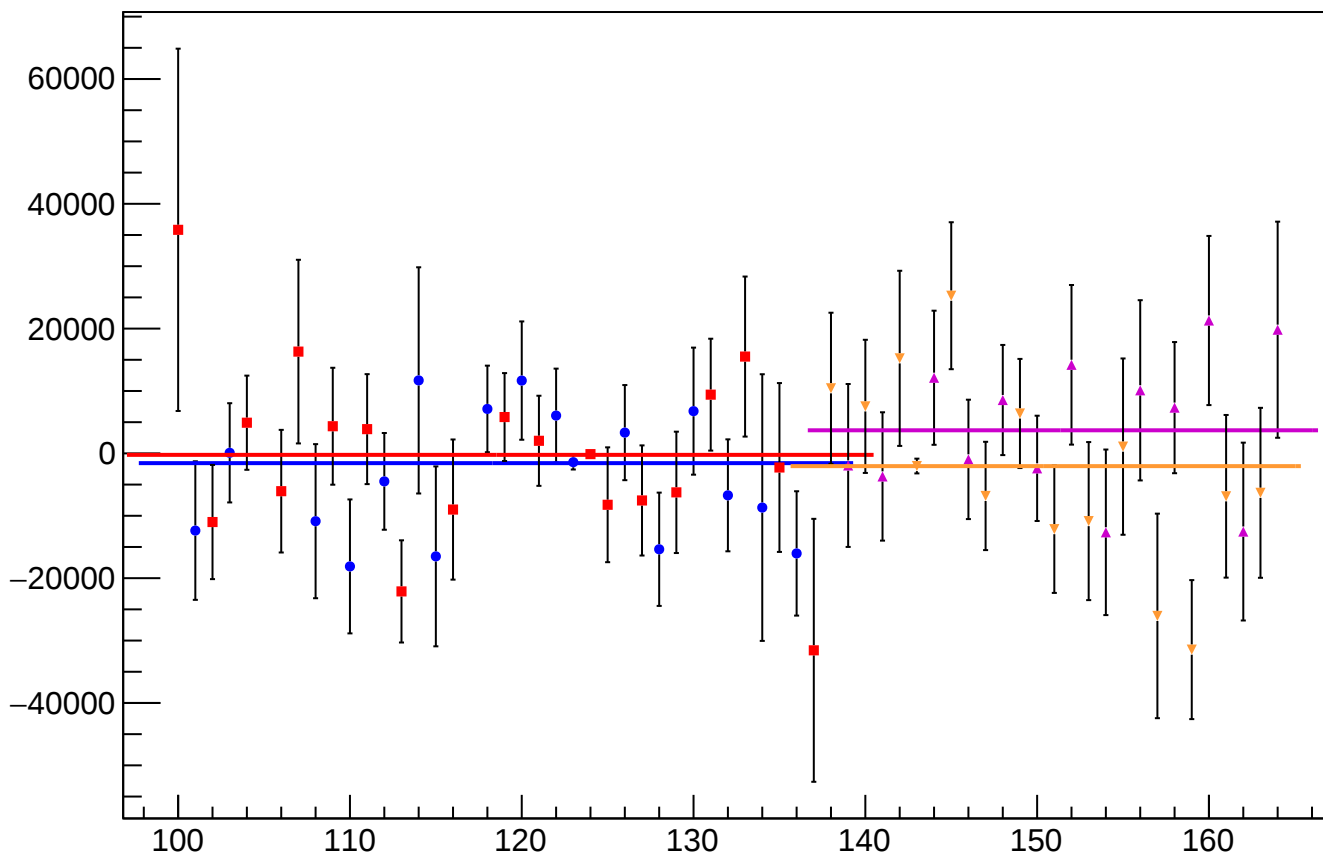
Right: 2055.522+/-0.400 χ^2/NDF : 761953.2/35

In: 2391.126+/-0.418 χ^2/NDF : 1112544.5/29

Out: 2392.798+/-0.415 χ^2/NDF : 1863733.1/32

All: 2391.967+/-0.295 χ^2/NDF : 2976285.7/62

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2043.481 $\pm$ 1108.994 χ^2/NDF : 20.9/13

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

Left In: 3700.708 $\pm$ 3144.713 χ^2/NDF : 8.7/12

Left: -1408.124 $\pm$ 1045.865 χ^2/NDF : 32.6/26

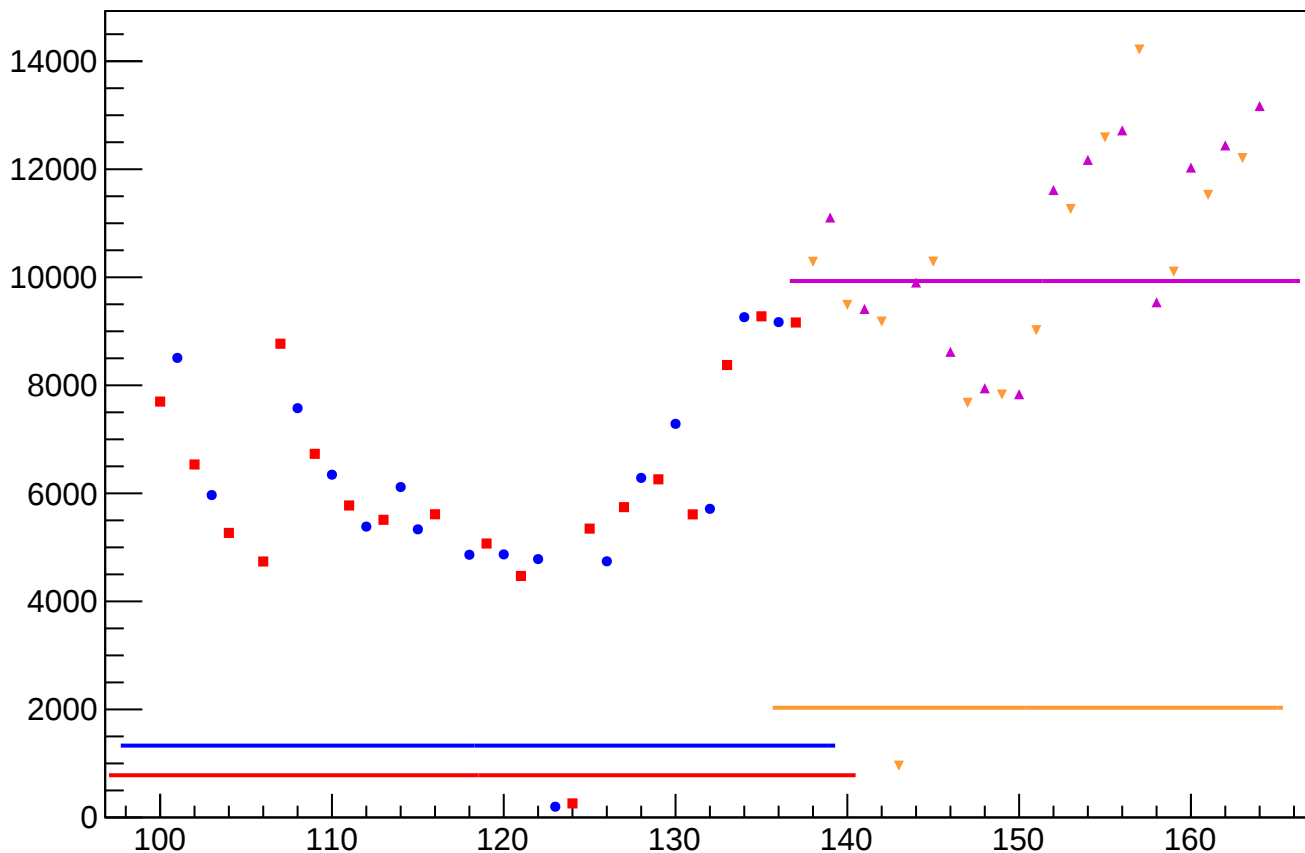
Right: -638.499 $\pm$ 580.304 χ^2/NDF : 38.1/35

In: -1031.657 $\pm$ 999.315 χ^2/NDF : 27.4/29

Out: -746.016 $\pm$ 589.012 χ^2/NDF : 43.6/32

All: -819.665 $\pm$ 507.428 χ^2/NDF : 71.1/62

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250+/-0.745

χ^2/NDF : 10046828.9/16

Left Out: 2031.187+/-0.784

χ^2/NDF : 14227051.0/13

Right Out: 781.848+/-0.492

χ^2/NDF : 11439893.7/18

Left In: 9930.744+/-2.224

χ^2/NDF : 632686.4/12

Left: 2904.947+/-0.740

χ^2/NDF : 26084221.9/26

Right: 948.102+/-0.410

χ^2/NDF : 21864055.1/35

In: 2198.743+/-0.707

χ^2/NDF : 24128310.0/29

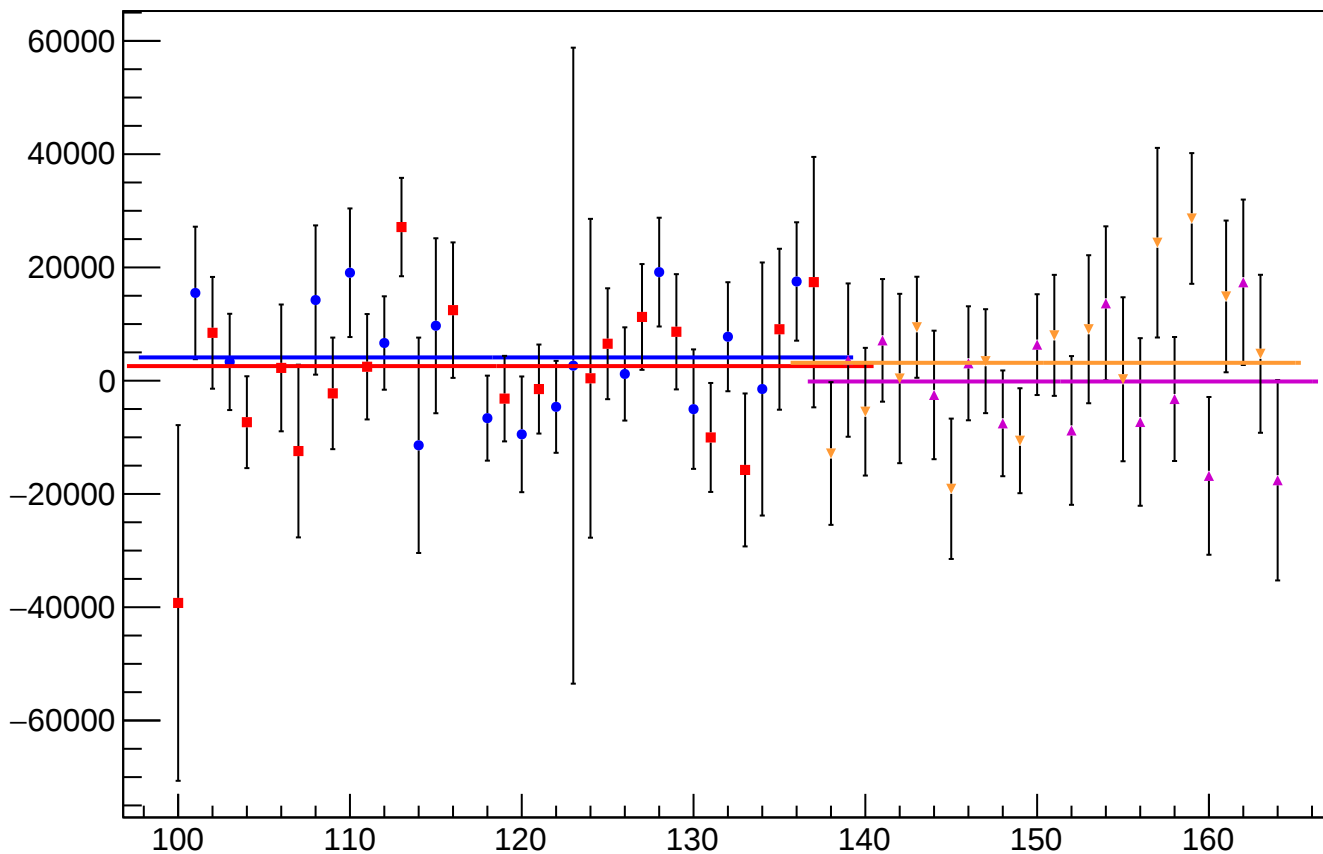
Out: 1134.275+/-0.416

χ^2/NDF : 27489168.9/32

All: 1408.733+/-0.359

χ^2/NDF : 53301664.3/6

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 3157.873+/-3125.053 χ^2/NDF : 15.9/13

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

Left In: -140.083+/-3281.511 χ^2/NDF : 7.5/12

Left: 1589.388+/-2263.037 χ^2/NDF : 23.9/26

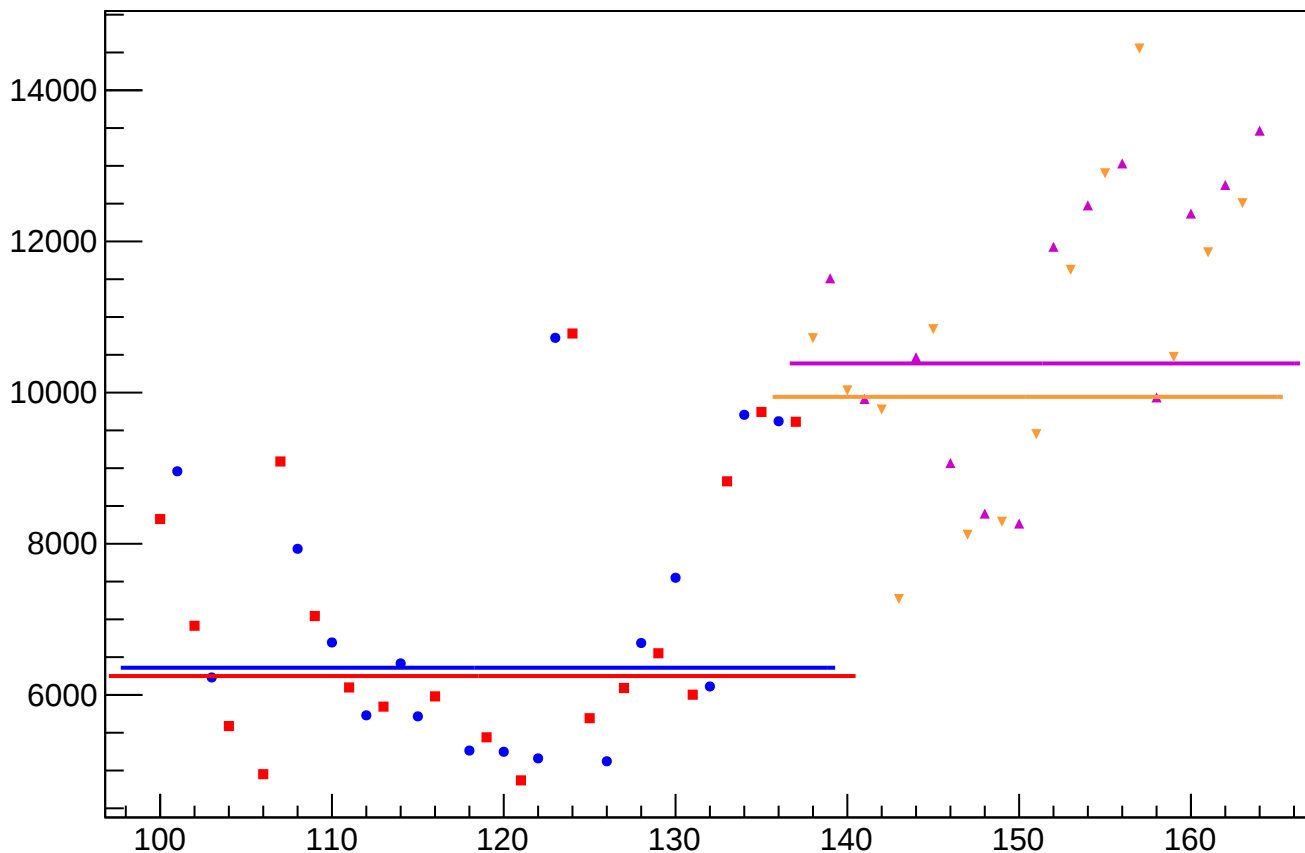
Right: 3309.487+/-1750.441 χ^2/NDF : 34.5/35

In: 2523.143+/-2005.843 χ^2/NDF : 22.8/29

Out: 2795.257+/-1913.610 χ^2/NDF : 35.8/32

All: 2665.600+/-1384.585 χ^2/NDF : 58.7/62

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 9943.515+/-2.210 χ^2/NDF : 725463.1/13

Right Out: 6250.049+/-1.711 χ^2/NDF : 532966.2/18

Left In: 10385.809+/-2.320 χ^2/NDF : 551451.8/12

Left: 10153.867+/-1.600 χ^2/NDF : 1295968.3/26

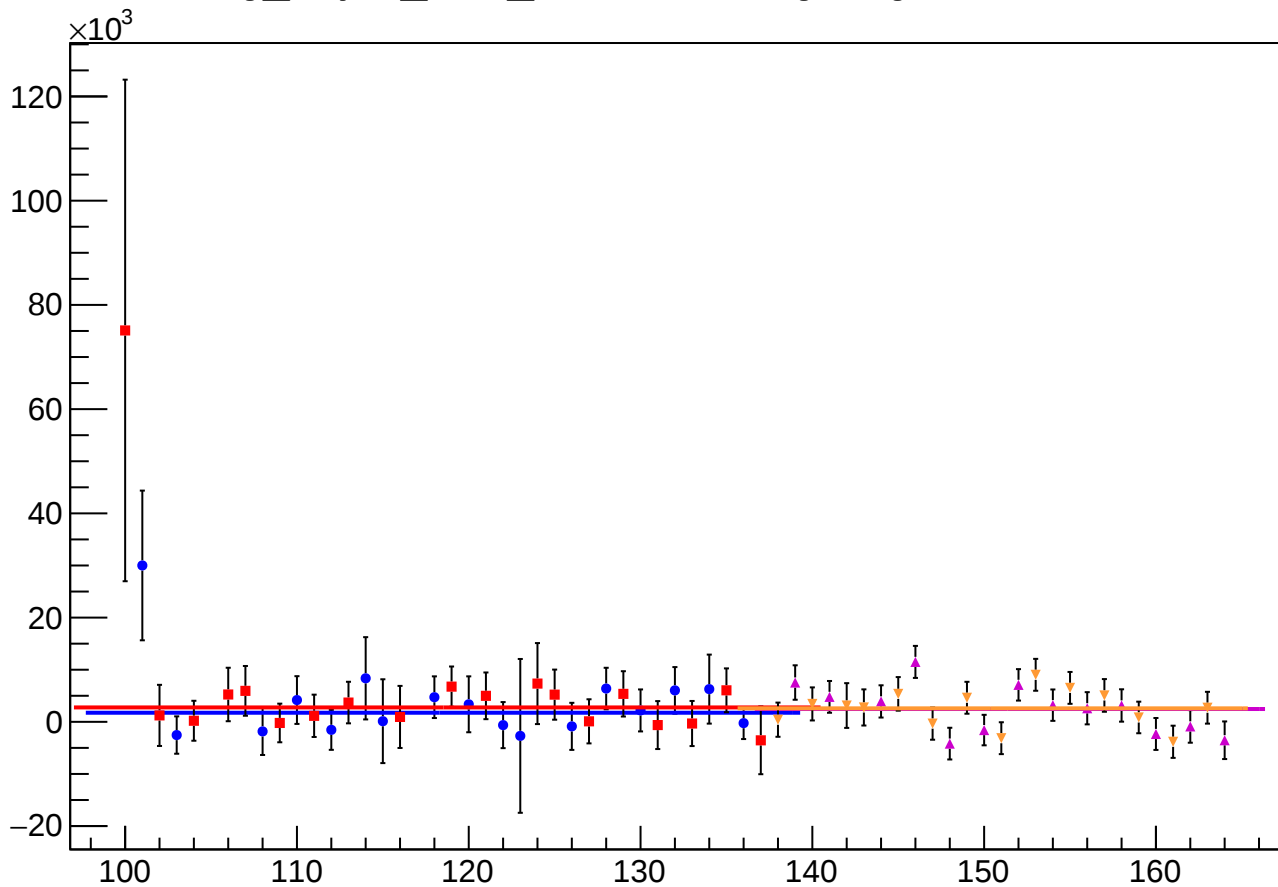
Right: 6302.460+/-1.238 χ^2/NDF : 1115403.3/35

In: 7864.124+/-1.418 χ^2/NDF : 3017455.2/29

Out: 7634.893+/-1.353 χ^2/NDF : 3004661.5/32

All: 7744.114+/-0.979 χ^2/NDF : 6035791.7/62

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2588.074 ± 850.962 χ^2/NDF : 17.5/13

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

Left In: 2461.231 ± 861.065 χ^2/NDF : 27.3/12

Left: 2525.401 ± 605.261 χ^2/NDF : 44.8/26

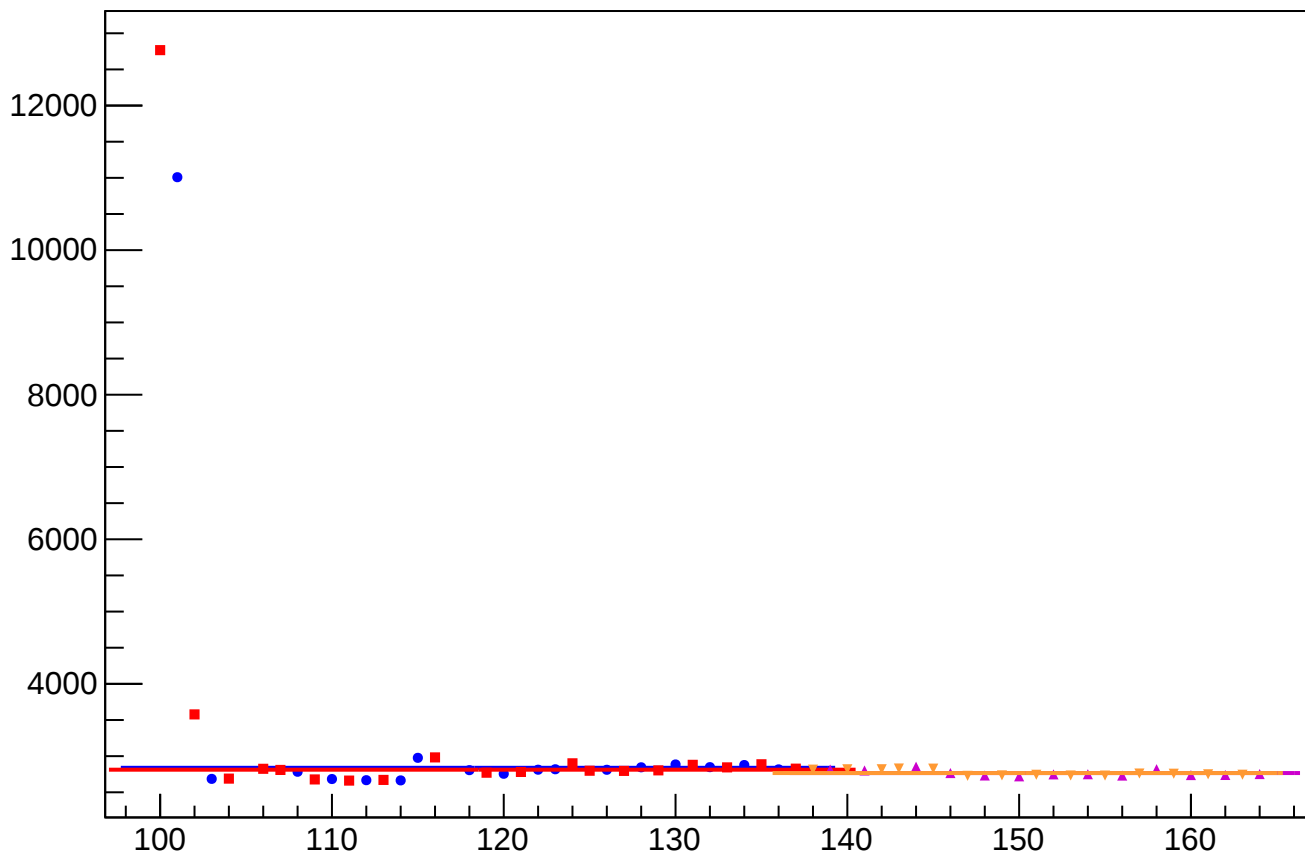
Right: 2281.084 ± 777.212 χ^2/NDF : 22.3/35

In: 2198.057 ± 684.556 χ^2/NDF : 39.8/29

Out: 2656.030 ± 666.485 χ^2/NDF : 27.2/32

All: 2433.168 ± 477.537 χ^2/NDF : 67.2/62

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2766.262+/-0.602 χ^2/NDF : 3988.9/13

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

Left In: 2766.268+/-0.609 χ^2/NDF : 4388.2/12

Left: 2766.265+/-0.428 χ^2/NDF : 8377.2/26

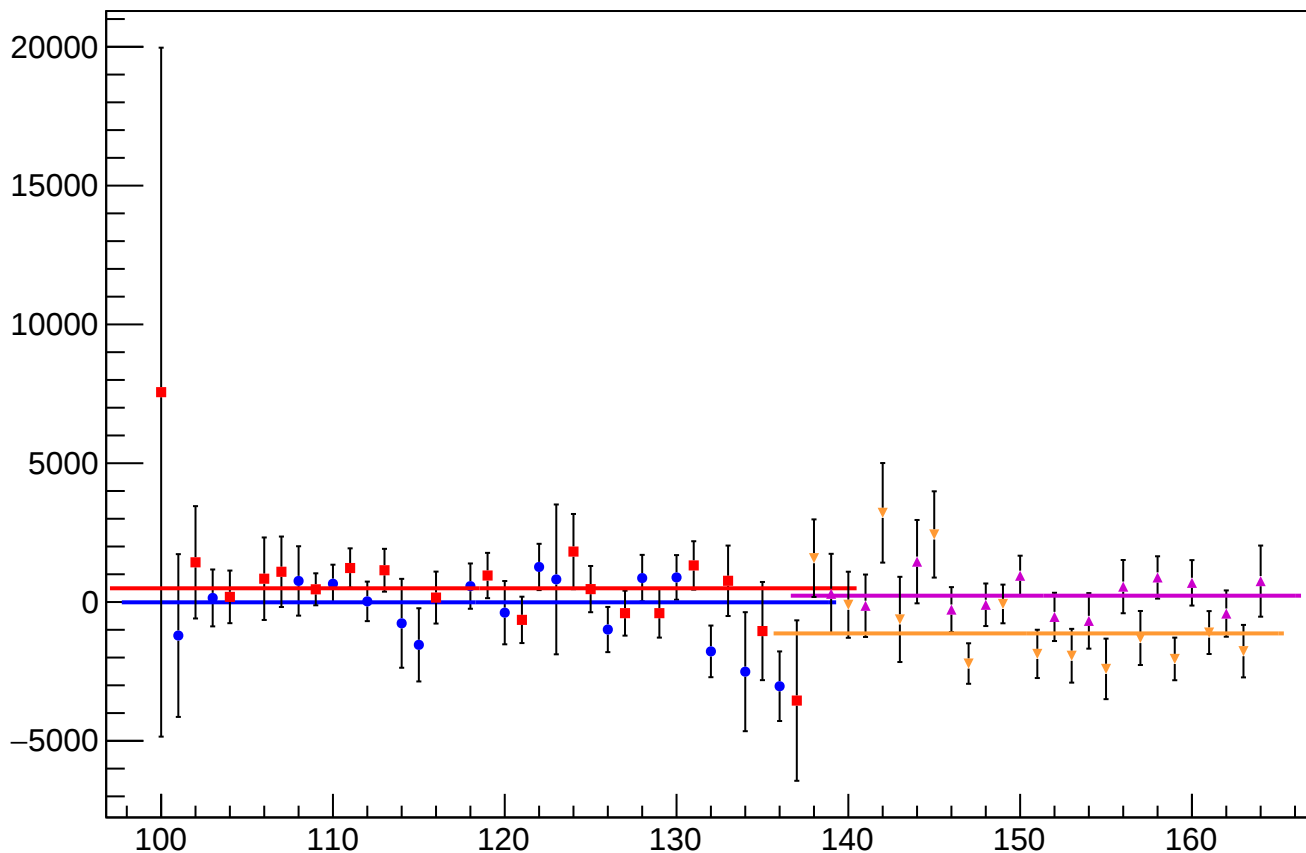
Right: 2825.011+/-0.550 χ^2/NDF : 793836.1/35

In: 2792.933+/-0.484 χ^2/NDF : 669810.3/29

Out: 2784.186+/-0.471 χ^2/NDF : 139348.2/32

All: 2788.443+/-0.338 χ^2/NDF : 809326.1/62

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -1130.288 ± 257.488 χ^2/NDF : 25.0/13

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

Left In: 228.530 ± 253.694 χ^2/NDF : 5.9/12

Left: -440.793 ± 180.715 χ^2/NDF : 45.0/26

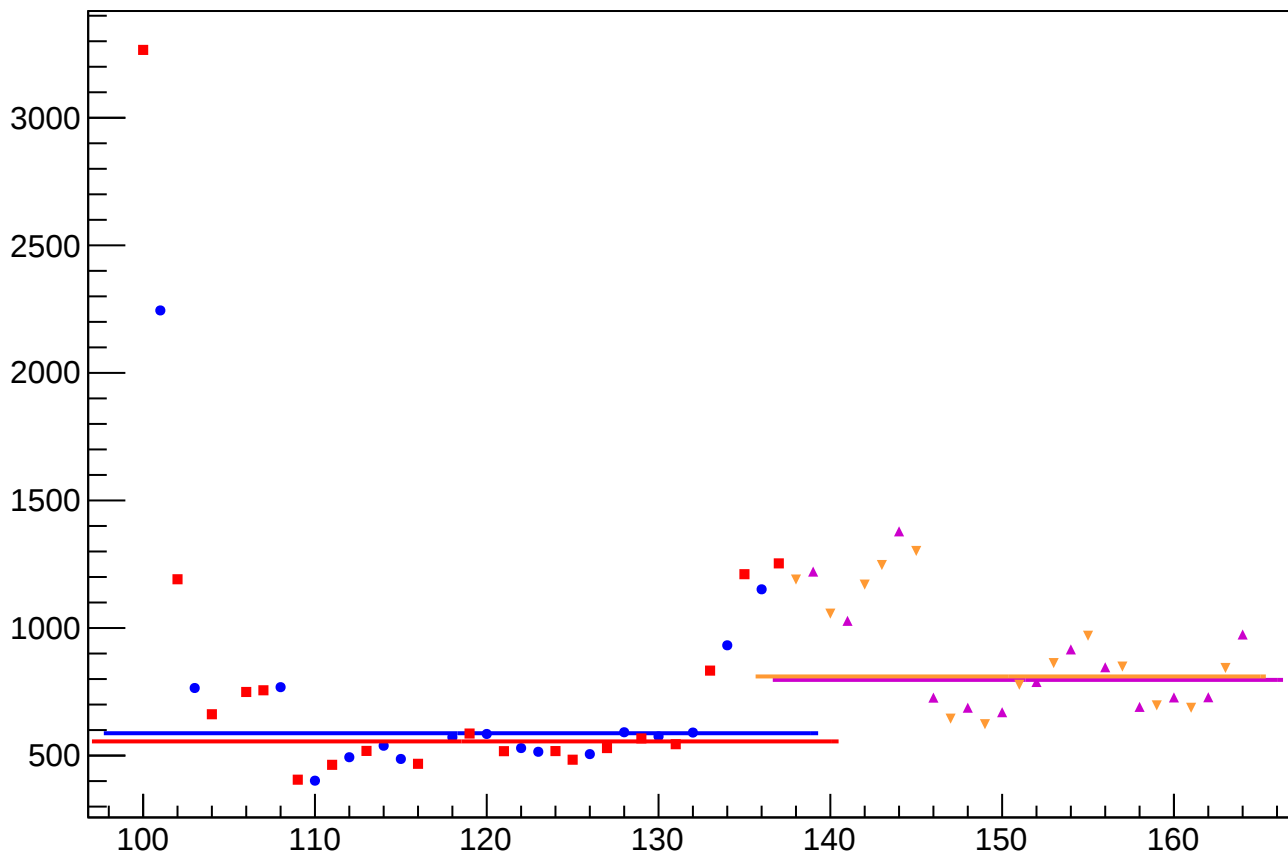
Right: 264.680 ± 163.287 χ^2/NDF : 35.0/35

In: 103.564 ± 174.986 χ^2/NDF : 27.0/29

Out: -196.024 ± 167.913 χ^2/NDF : 59.8/32

All: -52.407 ± 121.156 χ^2/NDF : 88.3/62

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 810.163+/-0.182 χ^2/NDF :1074856.2/13

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

Left In: 796.697+/-0.179 χ^2/NDF :814756.0/12

Left: 803.330+/-0.128 χ^2/NDF : 1892387.7/26

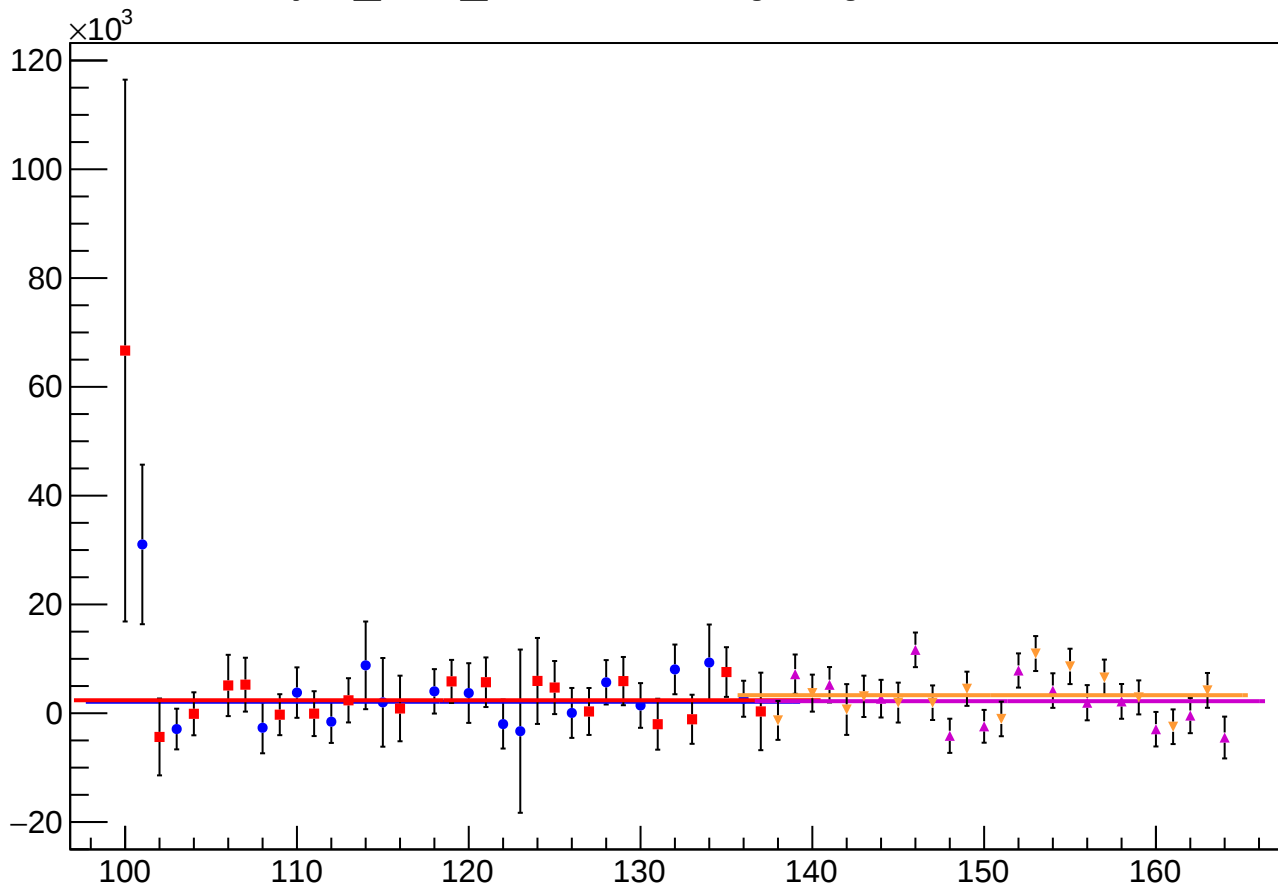
Right: 570.170+/-0.115 χ^2/NDF : 2551661.9/35

In: 687.078+/-0.124 χ^2/NDF :2952811.3/29

Out: 663.817+/-0.119 χ^2/NDF :3305714.4/32

All: 674.968+/-0.086 χ^2/NDF : 6276924.4/62

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3316.928+/-899.931 χ^2/NDF : 17.1/13

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

Left In: 2215.794+/-905.363 χ^2/NDF : 27.9/12

Left: 2769.674+/-638.259 χ^2/NDF : 45.7/26

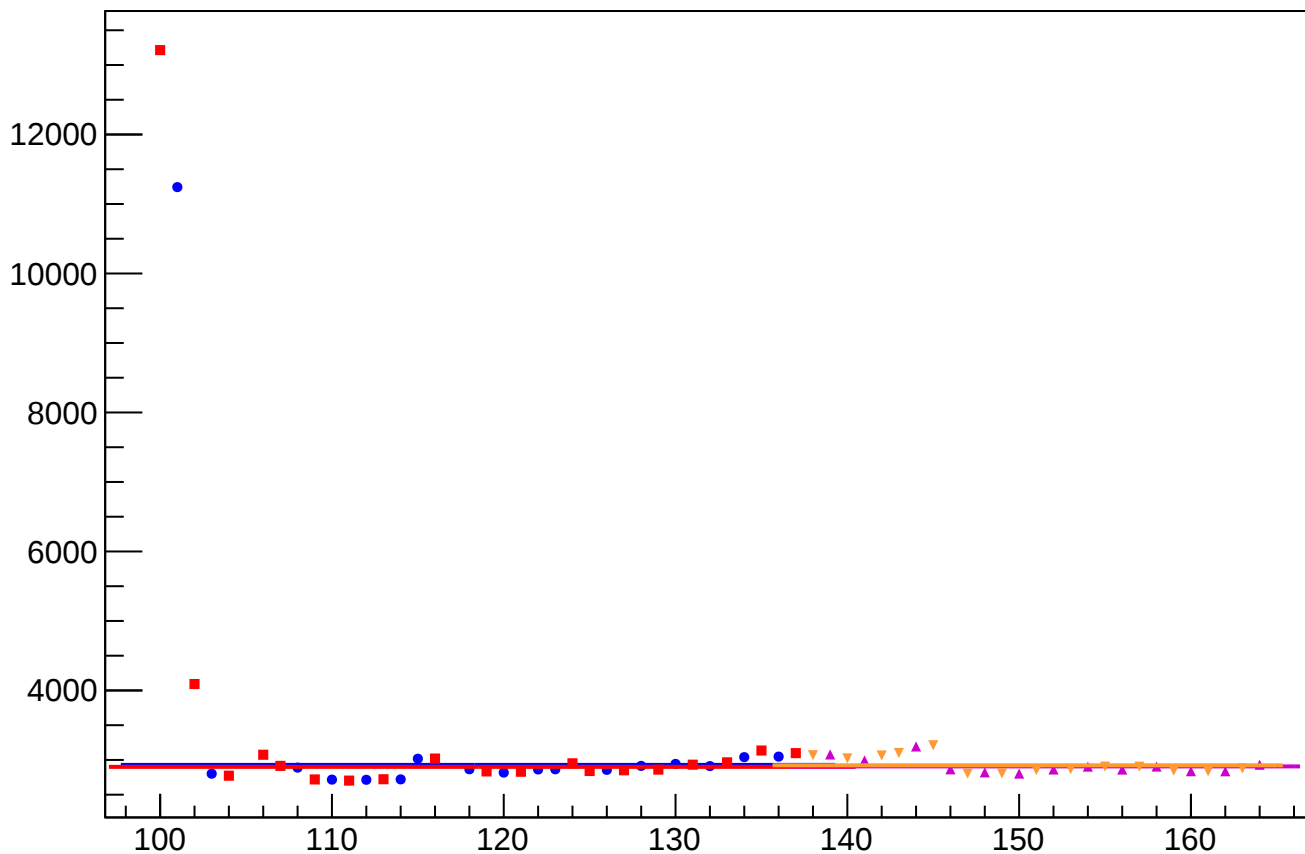
Right: 2253.766+/-803.505 χ^2/NDF : 23.4/35

In: 2175.364+/-714.719 χ^2/NDF : 41.4/29

Out: 2947.749+/-699.110 χ^2/NDF : 27.4/32

All: 2570.083+/-499.773 χ^2/NDF : 69.4/62

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2922.899+/-0.636 χ^2/NDF : 33890.5/13

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

Left In: 2907.015+/-0.640 χ^2/NDF : 26569.5/12

Left: 2915.005+/-0.451 χ^2/NDF : 60769.7/26

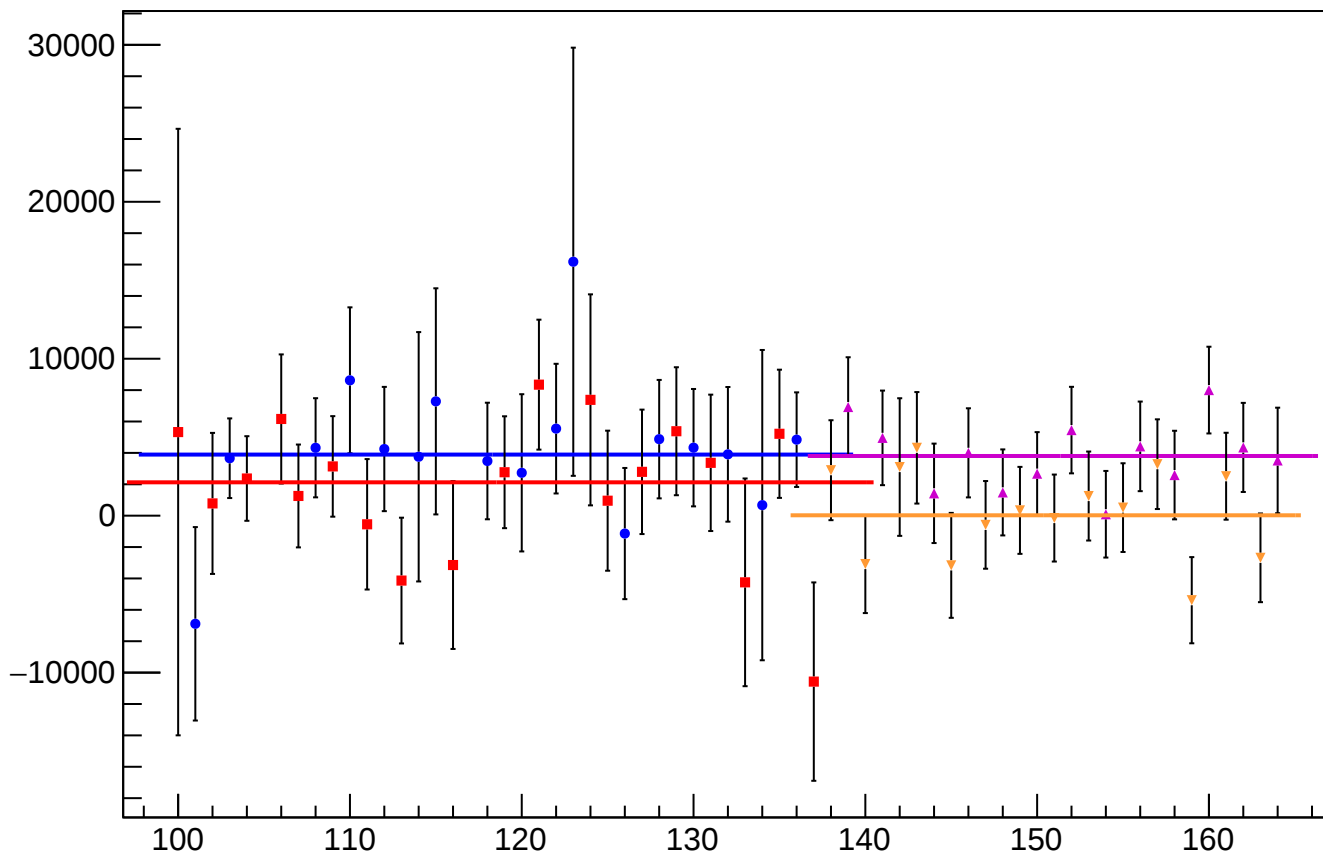
Right: 2913.915+/-0.568 χ^2/NDF : 832699.2/35

In: 2915.186+/-0.505 χ^2/NDF : 689364.8/29

Out: 2914.007+/-0.494 χ^2/NDF : 204103.6/32

All: 2914.583+/-0.353 χ^2/NDF : 893471.1/62

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 24.126+/-797.926 χ^2/NDF : 11.9/13

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

Left In: 3802.712+/-799.667 χ^2/NDF : 7.3/12

Left: 1909.301+/-564.834 χ^2/NDF : 30.4/26

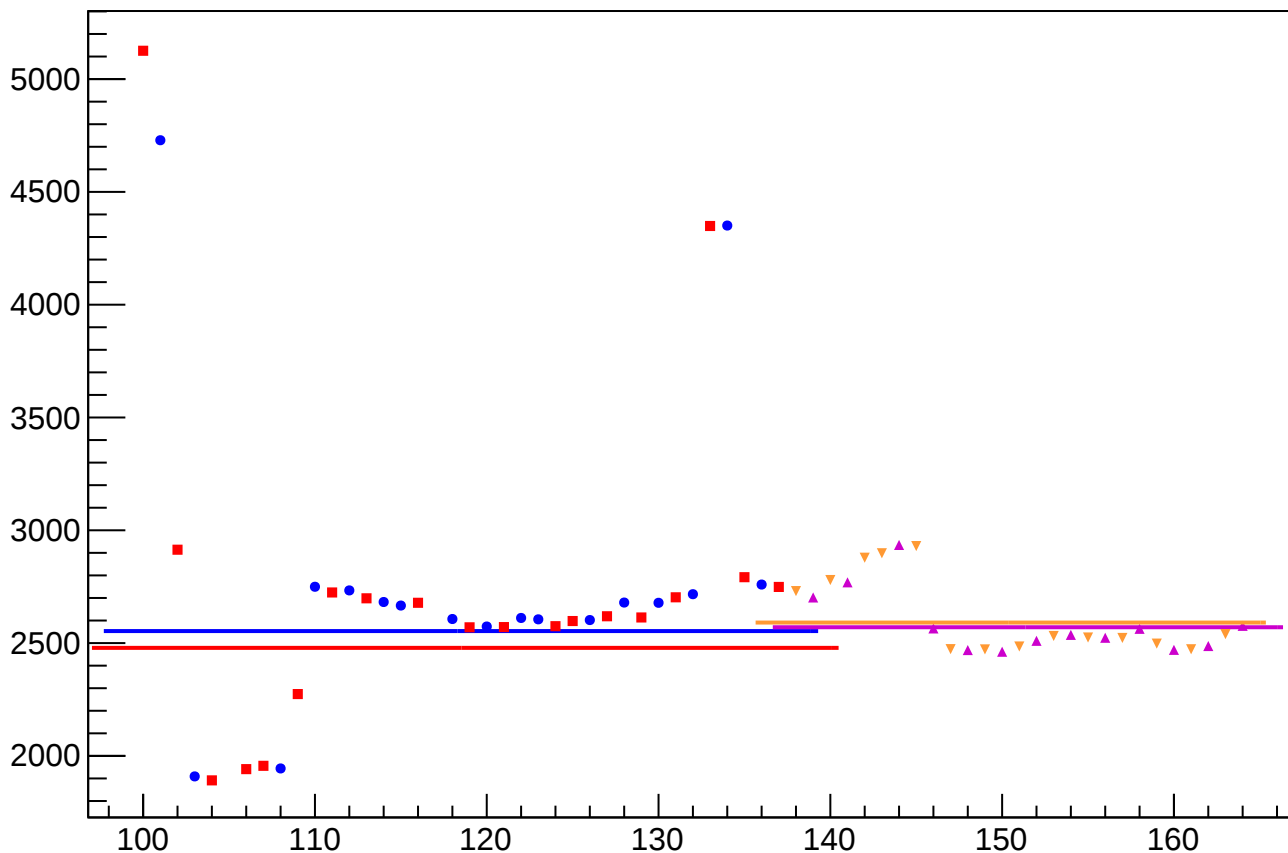
Right: 2960.811+/-695.784 χ^2/NDF : 23.1/35

In: 3837.239+/-627.361 χ^2/NDF : 14.5/29

Out: 884.055+/-613.222 χ^2/NDF : 29.0/32

All: 2326.993+/-438.527 χ^2/NDF : 54.8/62

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2591.049+/-0.564 χ^2/NDF : 75143.4/13

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

Left In: 2570.212+/-0.565 χ^2/NDF : 50964.4/12

Left: 2580.653+/-0.399 χ^2/NDF : 126788.3/26

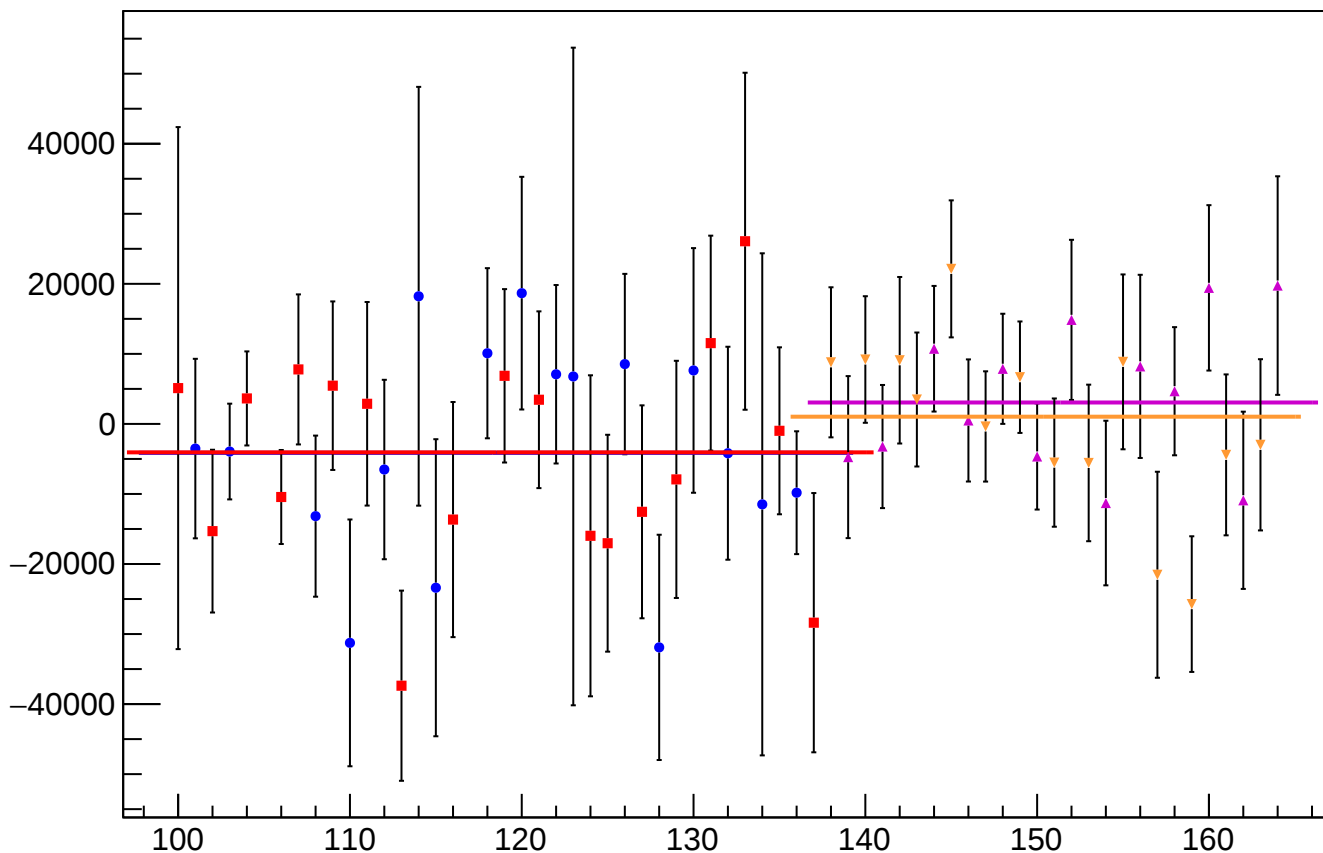
Right: 2514.058+/-0.492 χ^2/NDF : 1000433.0/35

In: 2563.701+/-0.444 χ^2/NDF : 596536.1/29

Out: 2545.121+/-0.434 χ^2/NDF : 540831.6/32

All: 2554.199+/-0.310 χ^2/NDF : 1138264.8/62

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 1031.672+/-2699.036 χ^2/NDF : 18.6/13

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

Left In: 3057.802+/-2775.272 χ^2/NDF : 10.2/12

Left: 2016.526+/-1934.897 χ^2/NDF : 29.1/26

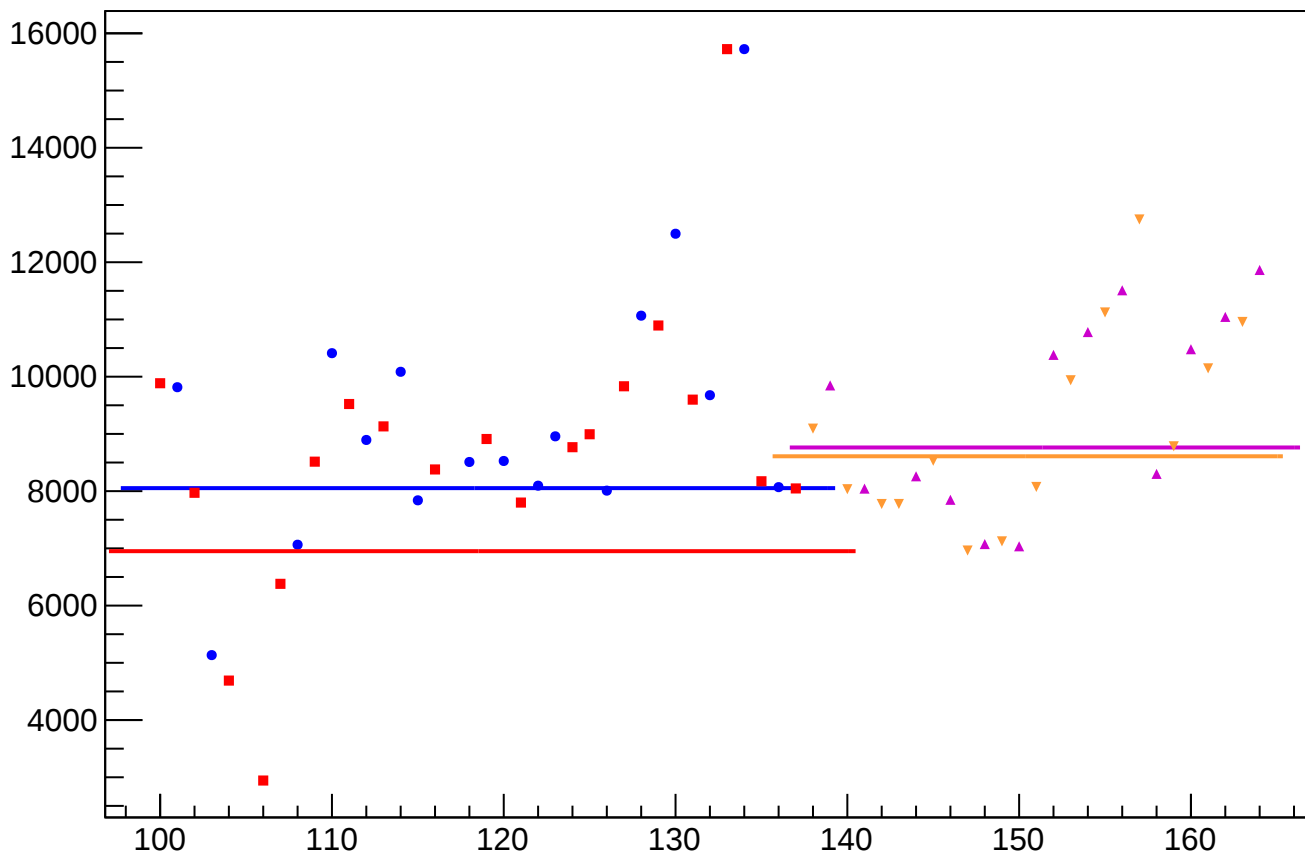
Right: -4089.066+/-2129.557 χ^2/NDF : 31.9/35

In: 3.418+/-2104.165 χ^2/NDF : 26.4/29

Out: -1389.903+/-1954.585 χ^2/NDF : 38.8/32

All: -744.522+/-1432.064 χ^2/NDF : 65.5/62

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8609.063 $\pm$ 1.909 χ^2 /NDF: 579419.8/13

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

Left In: 8762.870 $\pm$ 1.962 χ^2 /NDF: 634077.4/12

Left: 8683.825 $\pm$ 1.368 χ^2 /NDF: 1216654.2/26

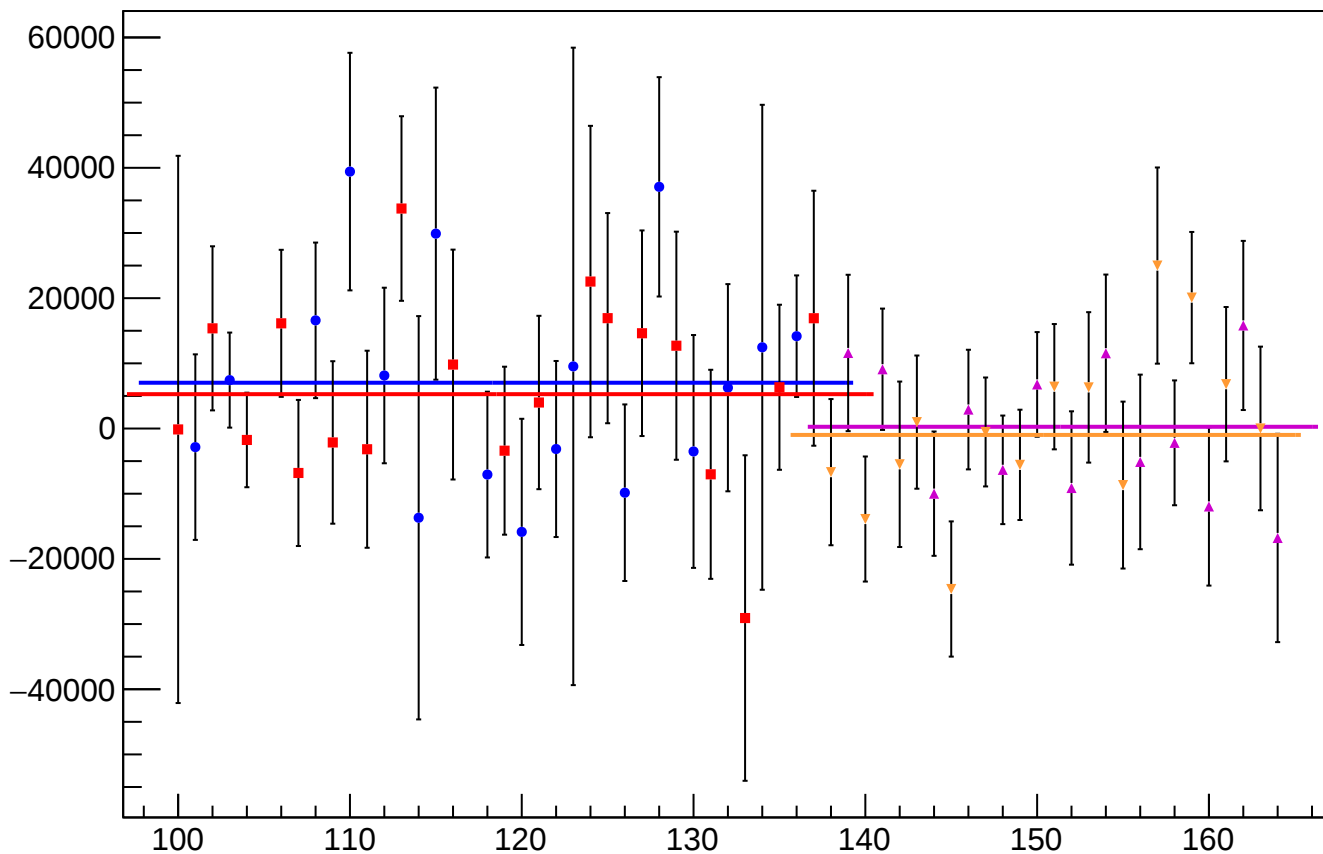
Right: 7430.673 $\pm$ 1.506 χ^2 /NDF: 2698872.2/35

In: 8460.873 $\pm$ 1.488 χ^2 /NDF: 1480504.2/29

Out: 7820.520 $\pm$ 1.382 χ^2 /NDF: 2714965.5/32

All: 8117.129 $\pm$ 1.013 χ^2 /NDF: 4294901.3/62

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -981.495+/-2835.676 χ^2/NDF : 16.9/13

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

Left In: 268.412+/-2905.143 χ^2/NDF : 9.6/12

Left: -371.664+/-2029.240 χ^2/NDF : 26.6/26

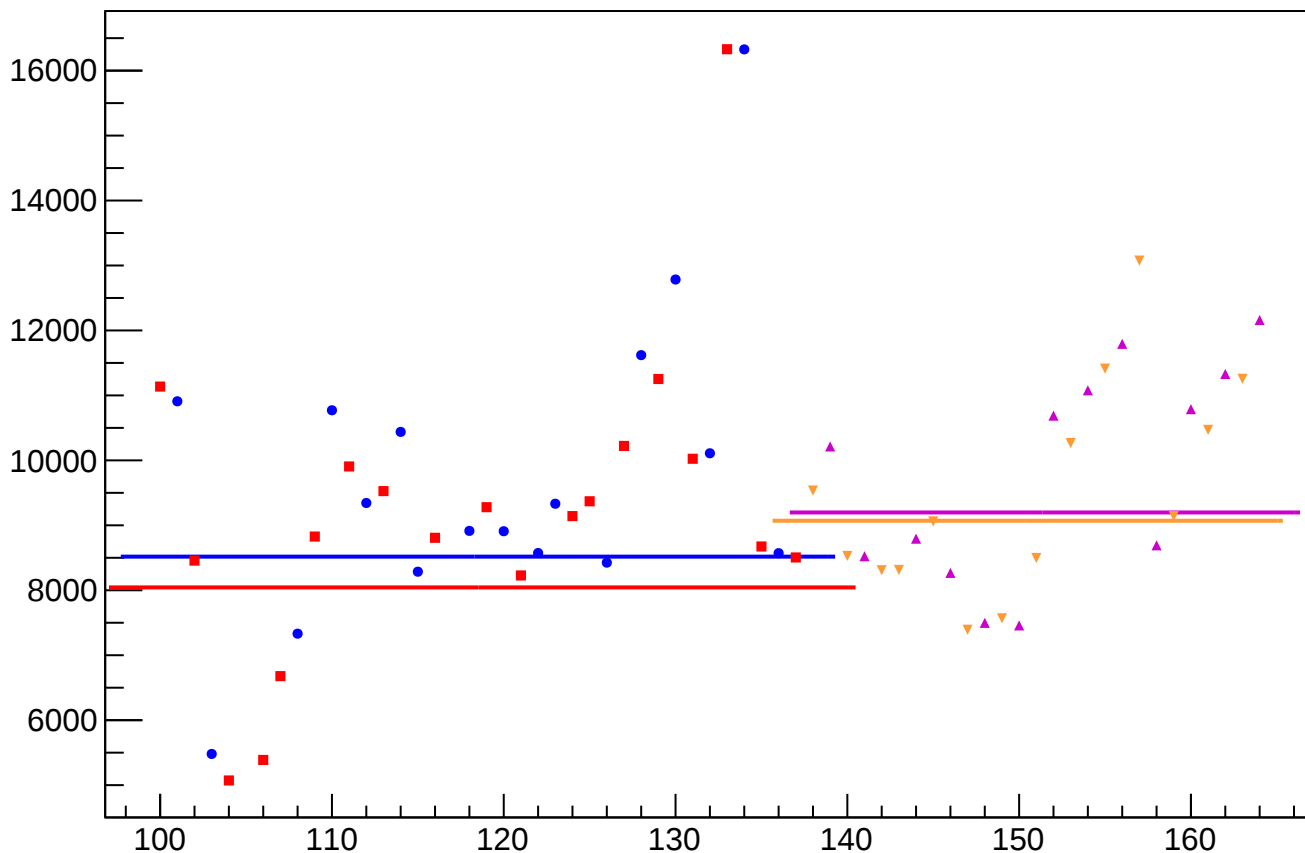
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 3110.649+/-2211.276 χ^2/NDF : 26.9/29

Out: 1799.875+/-2112.940 χ^2/NDF : 32.4/32

All: 2425.469+/-1527.656 χ^2/NDF : 59.5/62

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 9070.595 $\pm$ 2.005 χ^2/NDF : 497509.2/13

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

Left In: 9198.003 $\pm$ 2.054 χ^2/NDF : 544500.8/12

Left: 9132.757 $\pm$ 1.435 χ^2/NDF : 1043979.9/26

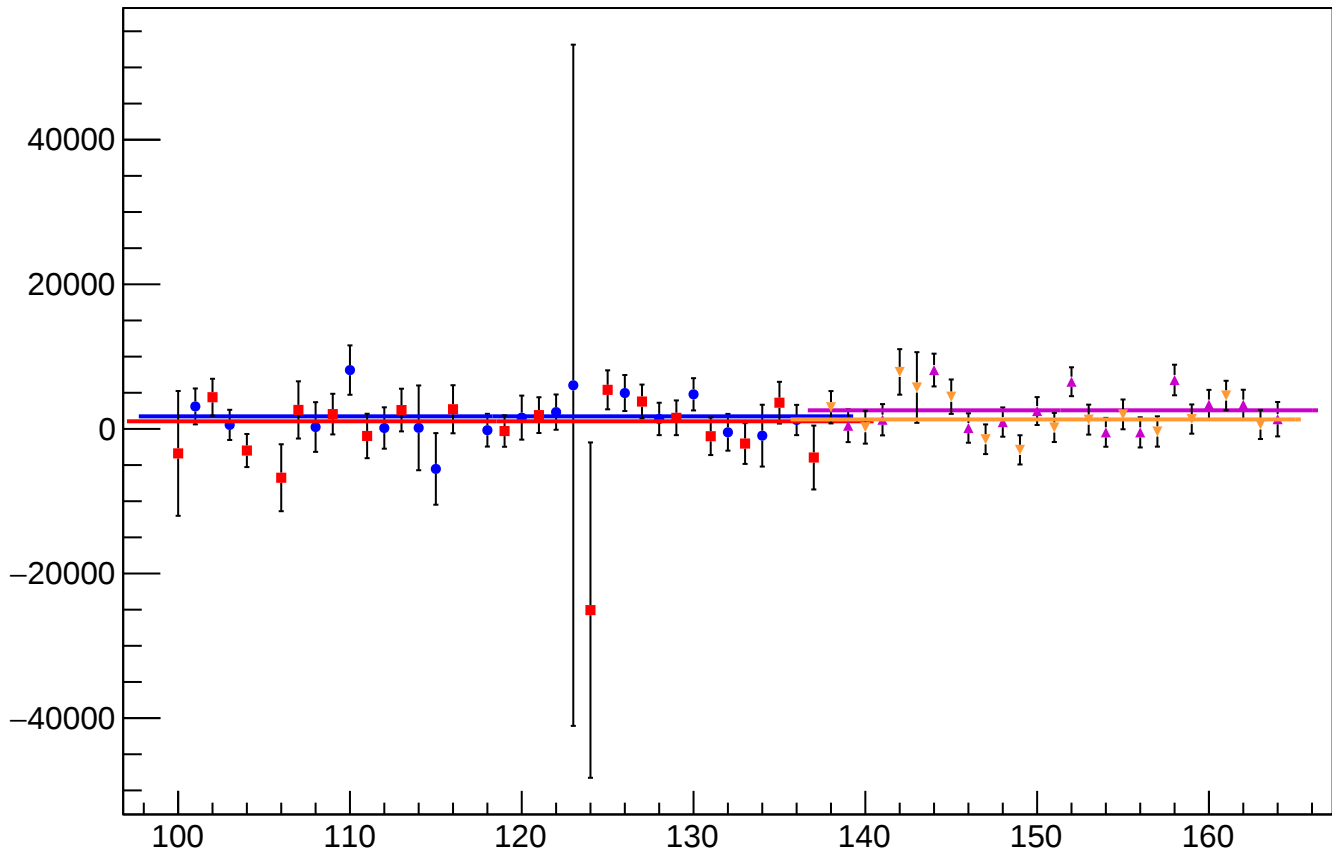
Right: 8263.573 $\pm$ 1.641 χ^2/NDF : 1736141.9/35

In: 8911.921 $\pm$ 1.564 χ^2/NDF : 1353889.4/29

Out: 8613.962 $\pm$ 1.494 χ^2/NDF : 1566231.1/32

All: 8756.167 $\pm$ 1.080 χ^2/NDF : 2939102.4/62

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1310.145+/-590.338 χ^2/NDF : 17.6/13

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

Left In: 2572.385+/-581.312 χ^2/NDF : 22.2/12

Left: 1950.989+/-414.204 χ^2/NDF : 42.2/26

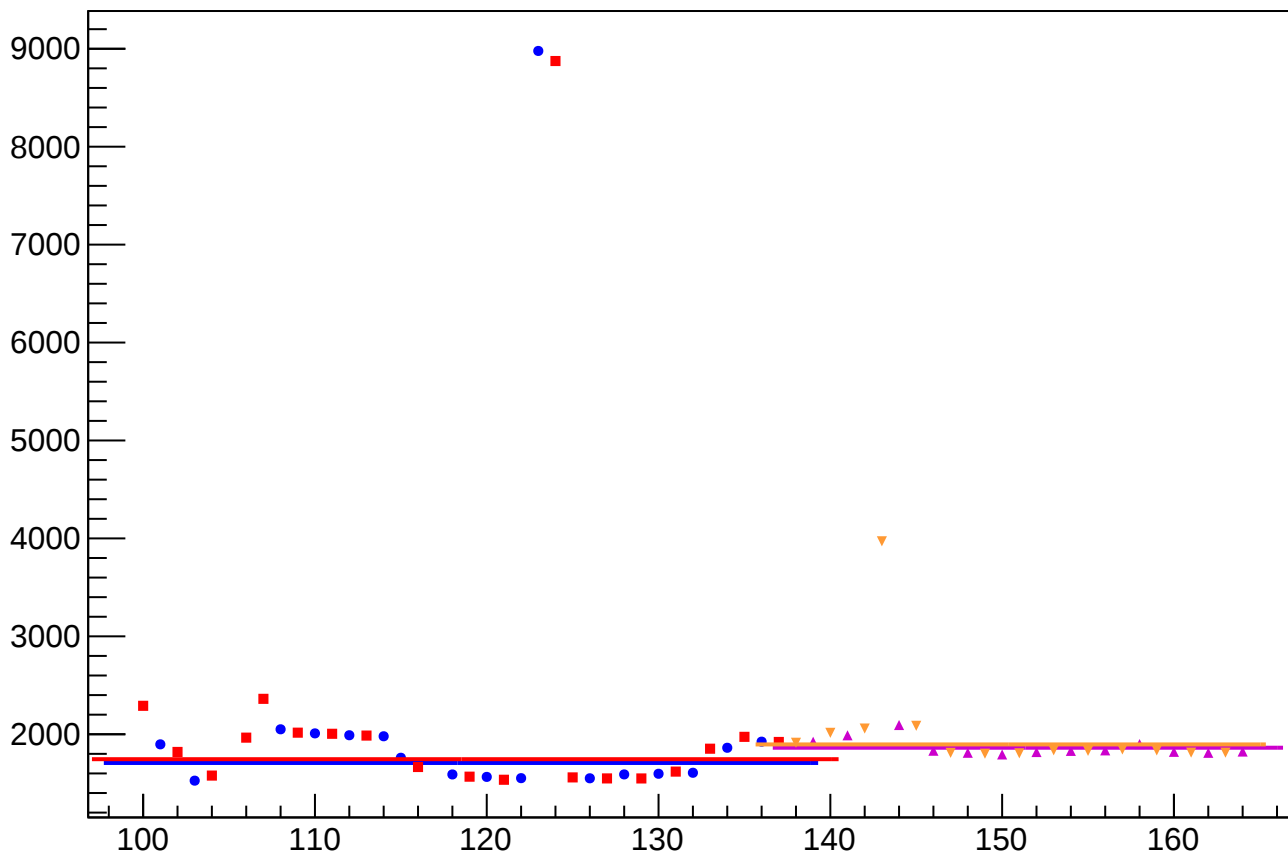
Right: 1397.913+/-474.249 χ^2/NDF : 31.8/35

In: 2214.980+/-439.193 χ^2/NDF : 35.5/29

Out: 1199.074+/-443.217 χ^2/NDF : 36.6/32

All: 1711.660+/-311.969 χ^2/NDF : 74.8/62

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1896.148+/-0.417 χ^2/NDF : 409434.7/13

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

Left In: 1862.549+/-0.411 χ^2/NDF : 38604.9/12

Left: 1879.090+/-0.293 χ^2/NDF : 451328.8/26

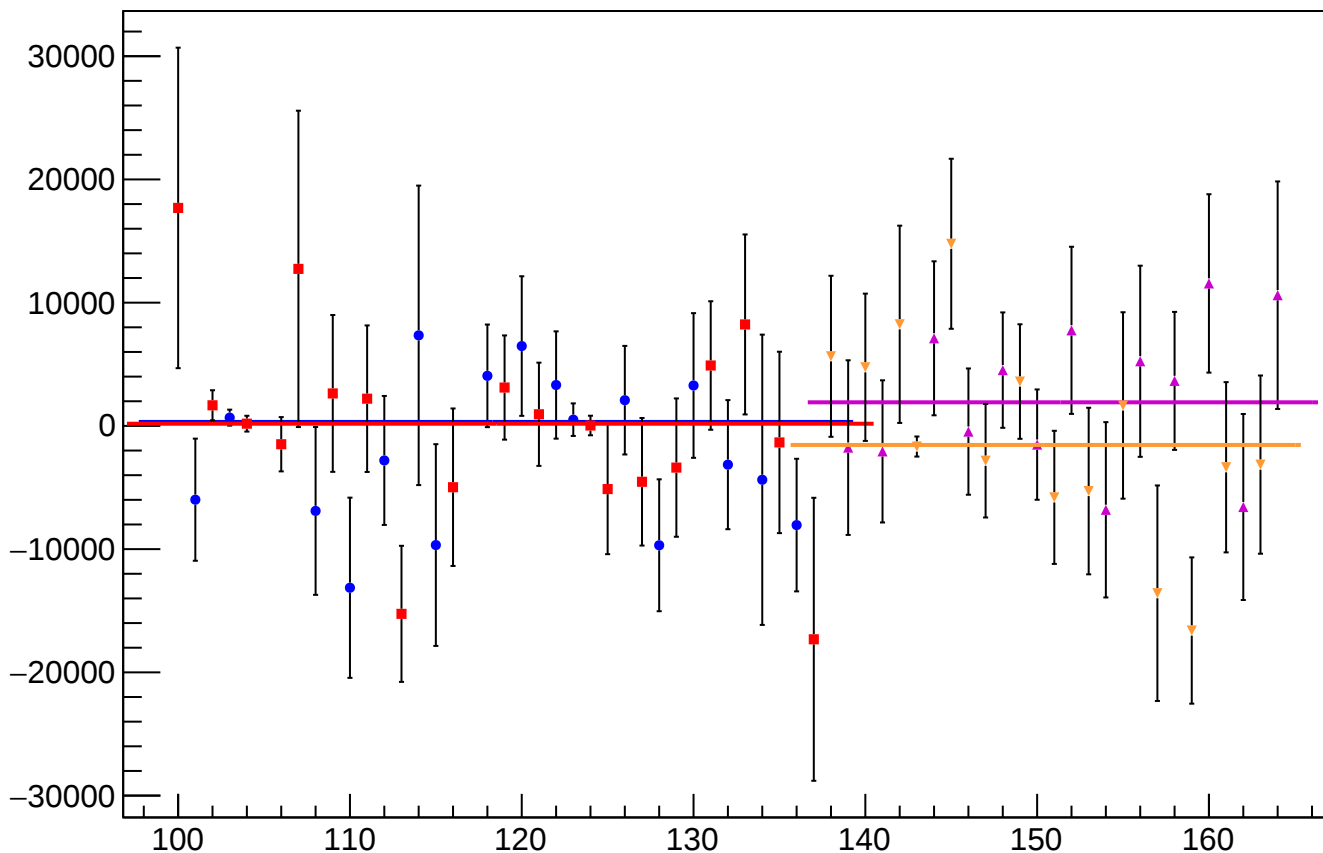
Right: 1726.220+/-0.335 χ^2/NDF : 600688.4/35

In: 1795.732+/-0.311 χ^2/NDF : 297725.7/29

Out: 1830.057+/-0.313 χ^2/NDF : 866410.9/32

All: 1812.771+/-0.220 χ^2/NDF : 1170200.9/62

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1546.517+/-736.542 χ^2/NDF : 20.3/13

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

Left In: 1913.807+/-1696.037 χ^2/NDF : 9.0/12

Left: -997.471+/-675.587 χ^2/NDF : 32.8/26

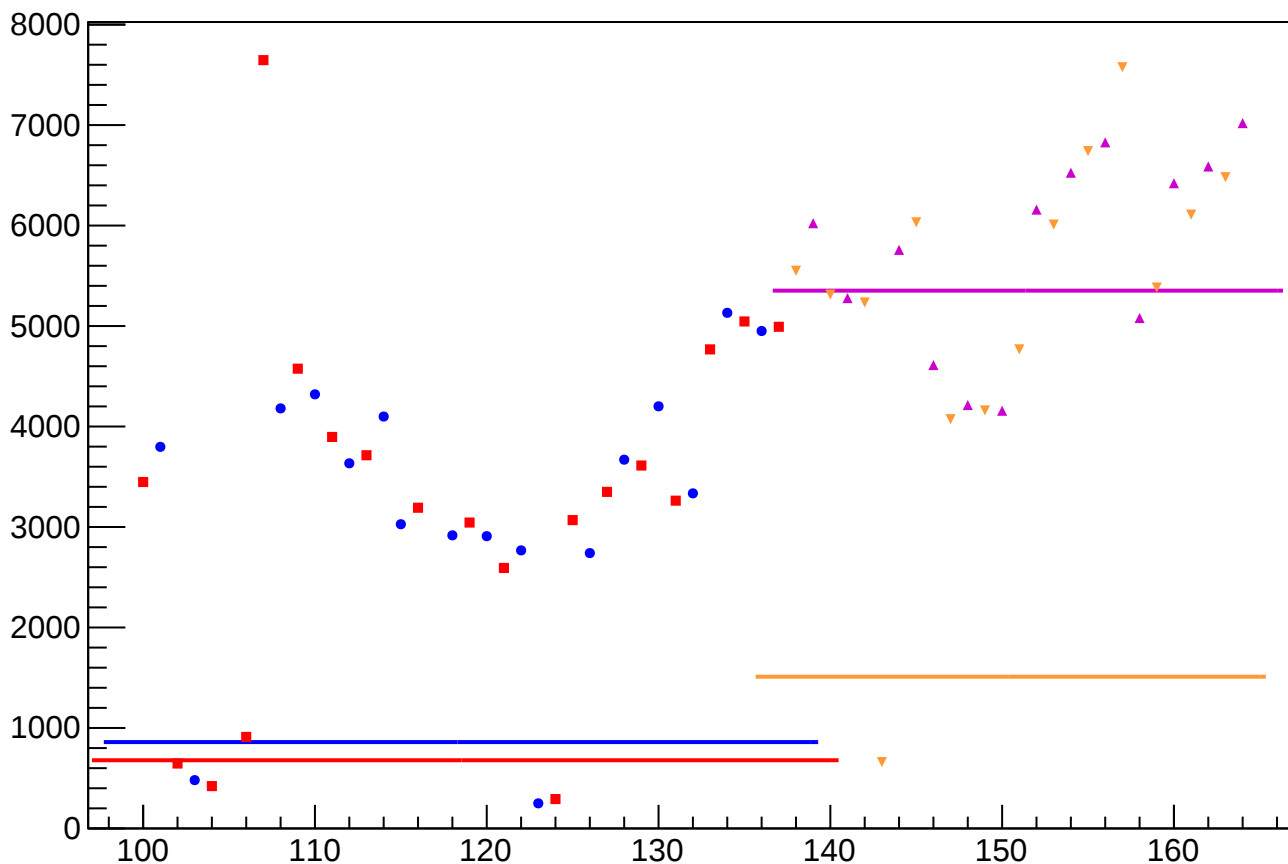
Right: 233.134+/-338.167 χ^2/NDF : 38.8/35

In: 467.702+/-514.881 χ^2/NDF : 27.8/29

Out: -266.774+/-373.628 χ^2/NDF : 45.1/32

All: -13.423+/-302.399 χ^2/NDF : 74.3/62

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1510.070+/-0.521 χ^2/NDF :12528528.1/13

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

Left In: 5352.315+/-1.199 χ^2/NDF :651600.0/12

Left: 2119.714+/-0.478 χ^2/NDF : 21815806.0/26

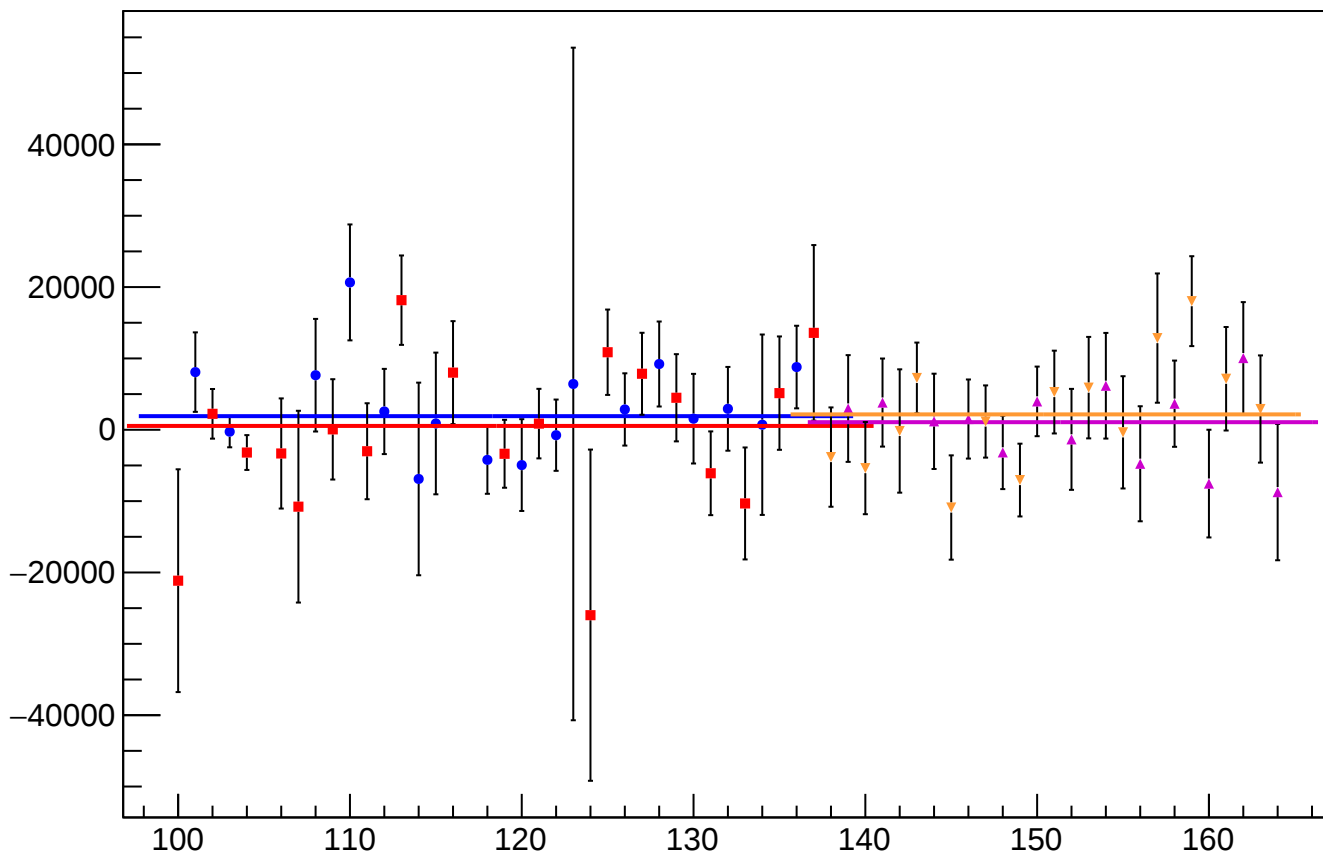
Right: 749.467+/-0.239 χ^2/NDF : 16664518.8/35

In: 1273.610+/-0.364 χ^2/NDF :21535603.2/29

Out: 892.561+/-0.264 χ^2/NDF :22806221.0/32

All: 1024.001+/-0.214 χ^2/NDF : 45059382.9/6

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 2157.233+/-1728.712 χ^2/NDF : 18.6/13

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

Left In: 1064.994+/-1811.714 χ^2/NDF : 6.3/12

Left: 1636.706+/-1250.698 χ^2/NDF : 25.1/26

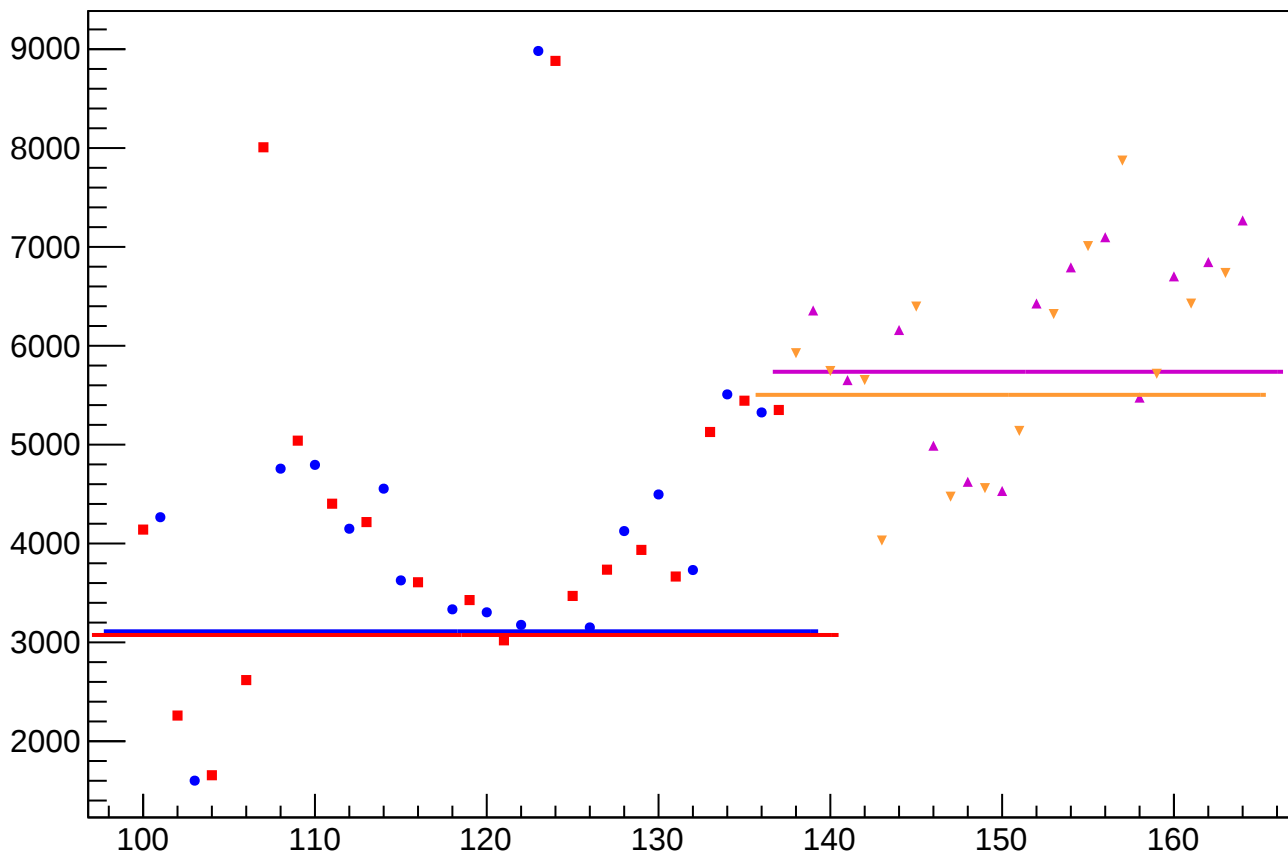
Right: 1211.574+/-917.716 χ^2/NDF : 41.6/35

In: 1619.393+/-1061.678 χ^2/NDF : 21.0/29

Out: 1115.742+/-1031.716 χ^2/NDF : 45.6/32

All: 1360.360+/-739.899 χ^2/NDF : 66.7/62

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5503.687 $\pm$ 1.222 χ^2/NDF : 701269.9/13

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

Left In: 5736.986 $\pm$ 1.281 χ^2/NDF : 518841.7/12

Left: 5614.870 $\pm$ 0.884 χ^2/NDF : 1237471.1/26

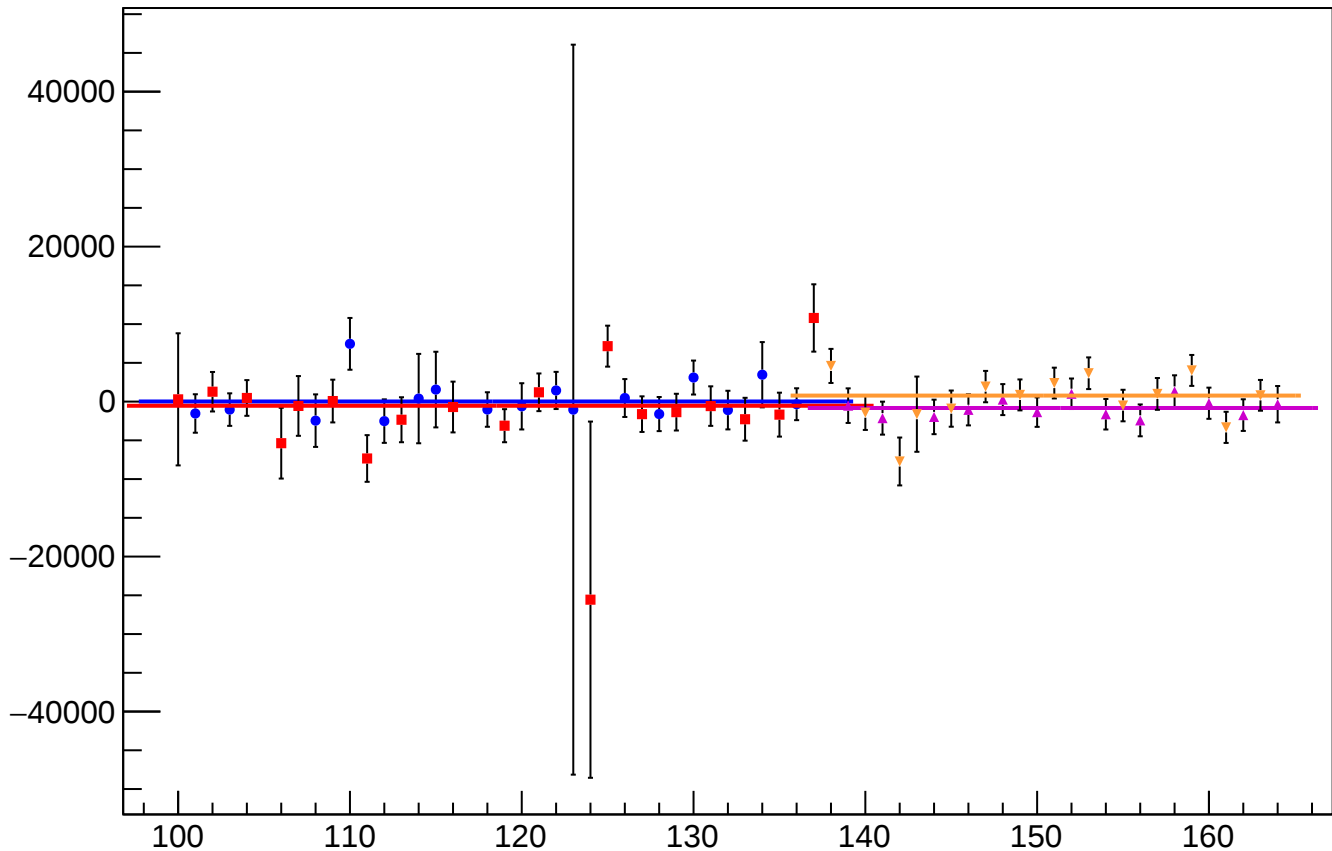
Right: 3092.680 $\pm$ 0.644 χ^2/NDF : 3886012.7/35

In: 4013.311 $\pm$ 0.751 χ^2/NDF : 5155559.7/29

Out: 3923.747 $\pm$ 0.723 χ^2/NDF : 5275150.4/32

All: 3966.826 $\pm$ 0.521 χ^2/NDF : 10438097.8/6

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 776.321 ± 581.515 χ^2/NDF : 22.5/13

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

Left In: -825.514 ± 572.741 χ^2/NDF : 4.1/12

Left: -36.773 ± 408.056 χ^2/NDF : 30.5/26

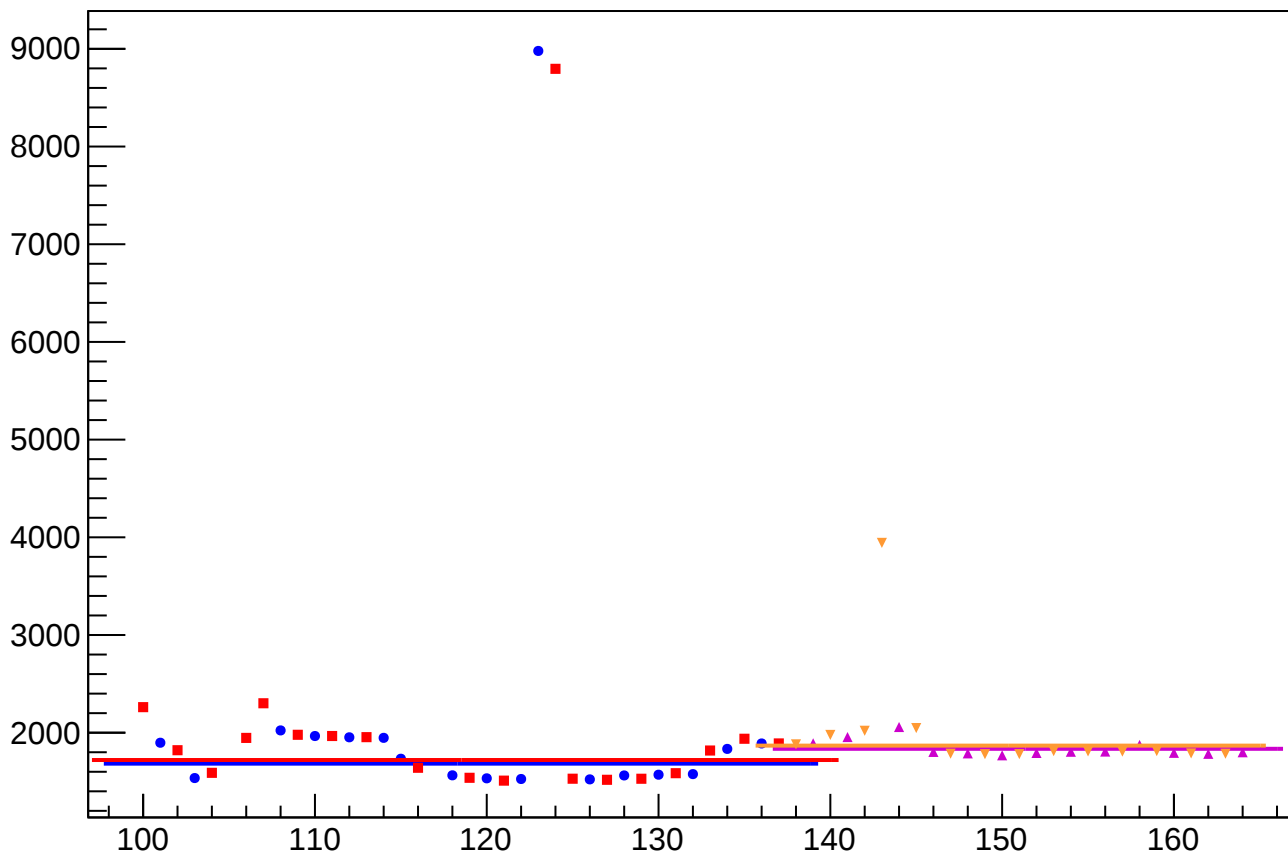
Right: -261.662 ± 467.484 χ^2/NDF : 38.1/35

In: -465.521 ± 432.883 χ^2/NDF : 16.1/29

Out: 203.264 ± 436.647 χ^2/NDF : 51.4/32

All: -134.023 ± 307.417 χ^2/NDF : 68.7/62

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1683.259 $\pm$ 0.467 χ^2 /NDF: 195893.7/16

Left Out: 1867.719 $\pm$ 0.411 χ^2 /NDF: 411455.0/13

Right Out: 1720.379 $\pm$ 0.465 χ^2 /NDF: 396099.9/18

Left In: 1835.125 $\pm$ 0.405 χ^2 /NDF: 36837.7/12

Left: 1851.174 $\pm$ 0.289 χ^2 /NDF: 451482.1/26

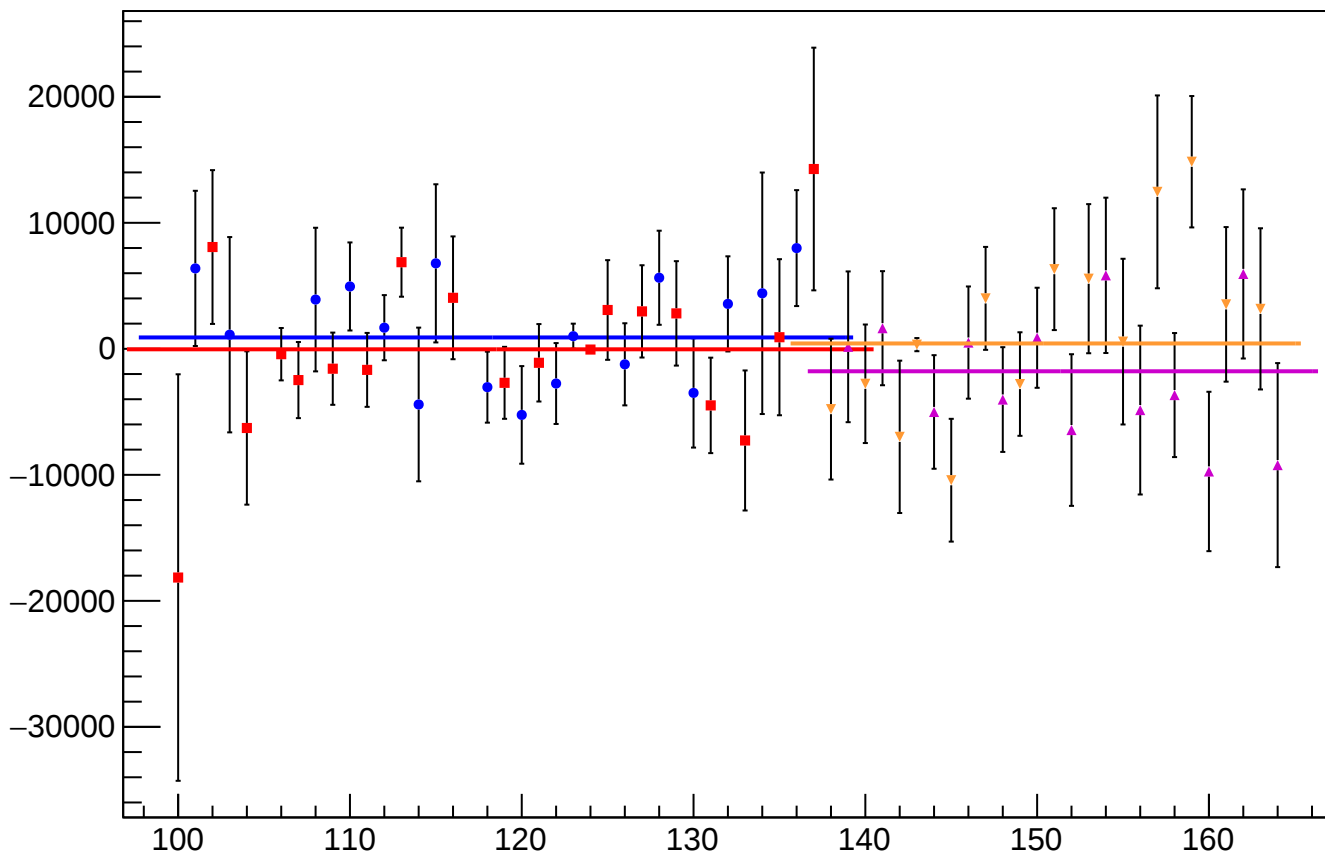
Right: 1701.898 $\pm$ 0.330 χ^2 /NDF: 595159.7/35

In: 1770.012 $\pm$ 0.306 χ^2 /NDF: 293021.1/29

Out: 1803.138 $\pm$ 0.308 χ^2 /NDF: 863832.7/32

All: 1786.463 $\pm$ 0.217 χ^2 /NDF: 1162670.0/62

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 425.667 $\pm$ 492.154 χ^2/NDF : 22.0/13

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

Left In: -1781.458 $\pm$ 1446.825 χ^2/NDF : 8.4/12

Left: 196.767 $\pm$ 465.935 χ^2/NDF : 32.5/26

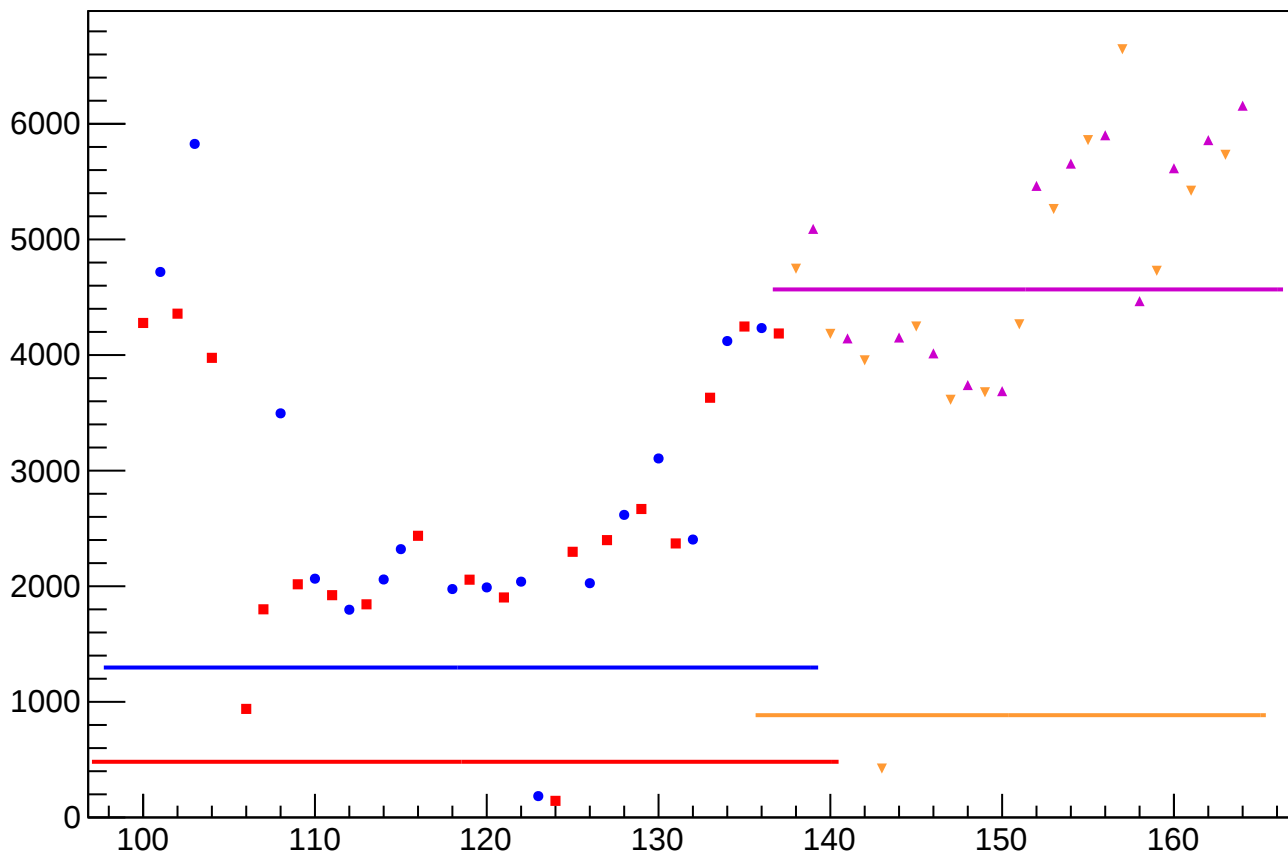
Right: 153.912 $\pm$ 318.670 χ^2/NDF : 37.9/35

In: 387.525 $\pm$ 634.174 χ^2/NDF : 27.2/29

Out: 121.868 $\pm$ 289.072 χ^2/NDF : 43.1/32

All: 167.570 $\pm$ 263.035 χ^2/NDF : 70.5/62

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1297.005 $\pm$ 0.499 χ^2 /NDF: 6509608.5/16

Left Out: 884.719 $\pm$ 0.348 χ^2 /NDF: 14467534.2/13

Right Out: 481.577 $\pm$ 0.253 χ^2 /NDF: 10144170.1/18

Left In: 4567.577 $\pm$ 1.023 χ^2 /NDF: 651110.2/12

Left: 1266.667 $\pm$ 0.329 χ^2 /NDF: 26733575.6/26

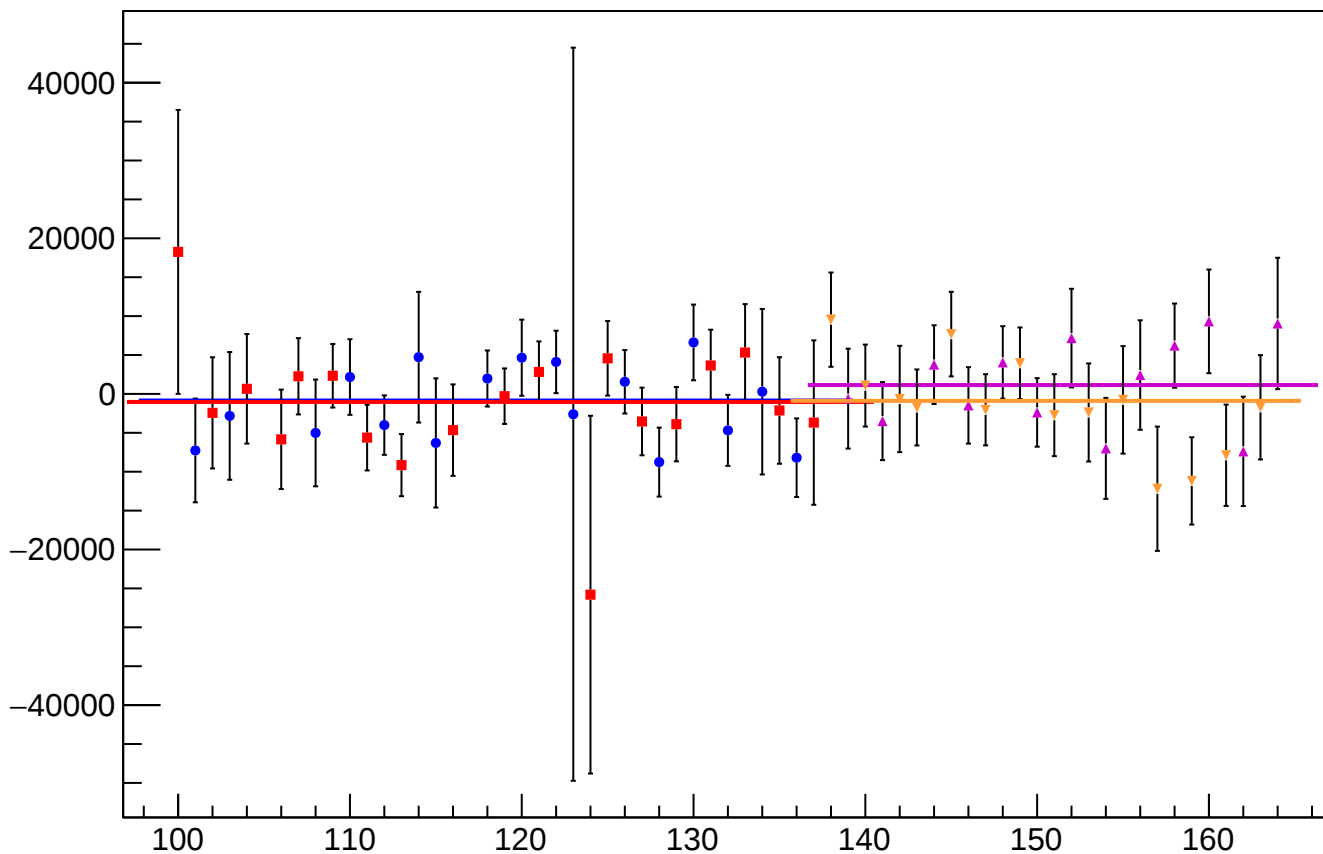
Right: 647.917 $\pm$ 0.225 χ^2 /NDF: 18780181.6/35

In: 1925.365 $\pm$ 0.448 χ^2 /NDF: 15417095.9/29

Out: 620.658 $\pm$ 0.204 χ^2 /NDF: 25490708.6/32

All: 845.109 $\pm$ 0.186 χ^2 /NDF: 47916746.2/62

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: -893.062+/-1523.313 χ^2/NDF :13.5/13

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

Left In: 1138.833+/-1577.075 χ^2/NDF :9.8/12

Left: 87.662+/-1095.658 χ^2/NDF : 24.1/26

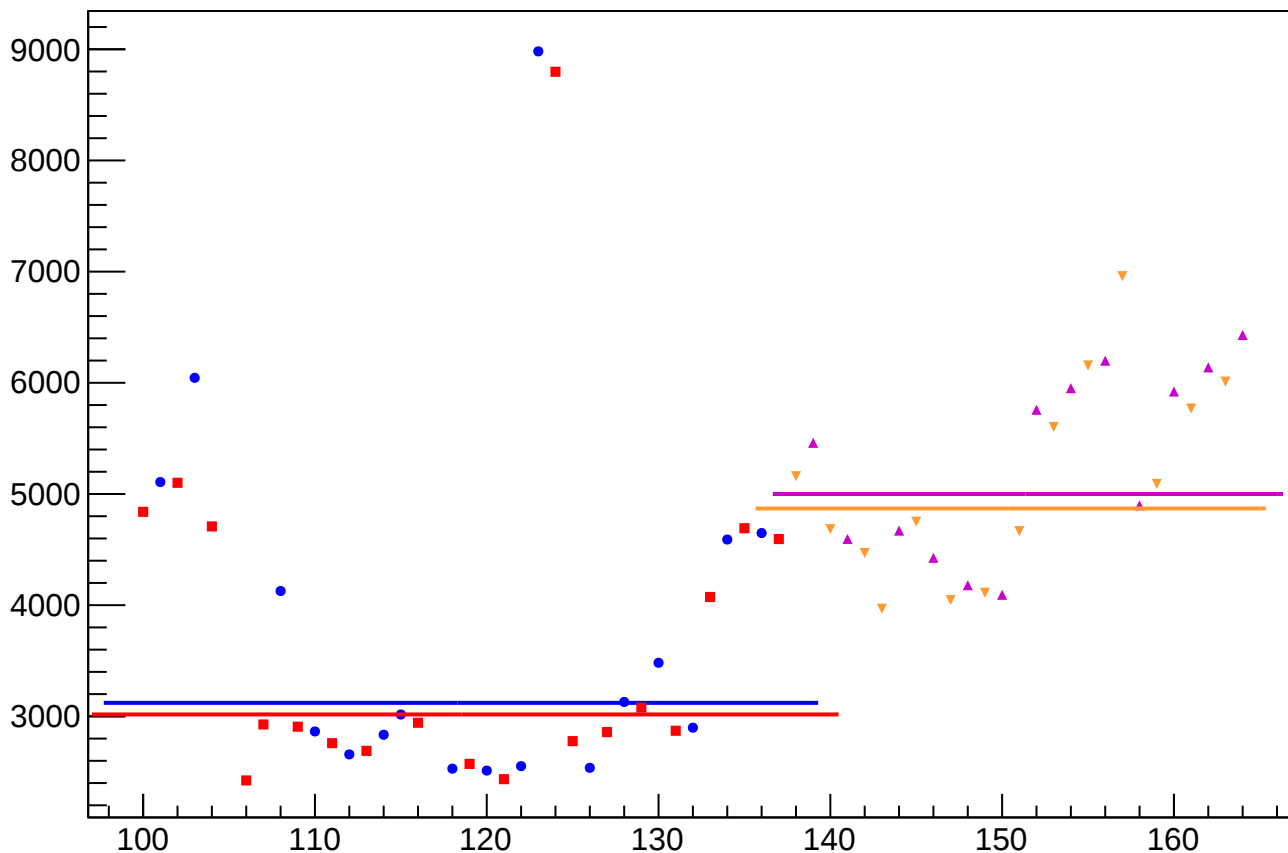
Right: -946.556+/-865.752 χ^2/NDF : 30.4/35

In: -73.963+/-984.889 χ^2/NDF :26.2/29

Out: -980.053+/-938.124 χ^2/NDF :28.5/32

All: -549.029+/-679.285 χ^2/NDF : 55.1/62

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4869.719+/-1.077 χ^2/NDF : 537508.9/13

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

Left In: 4999.764+/-1.115 χ^2/NDF : 484506.1/12

Left: 4932.487+/-0.775 χ^2/NDF : 1029050.3/26

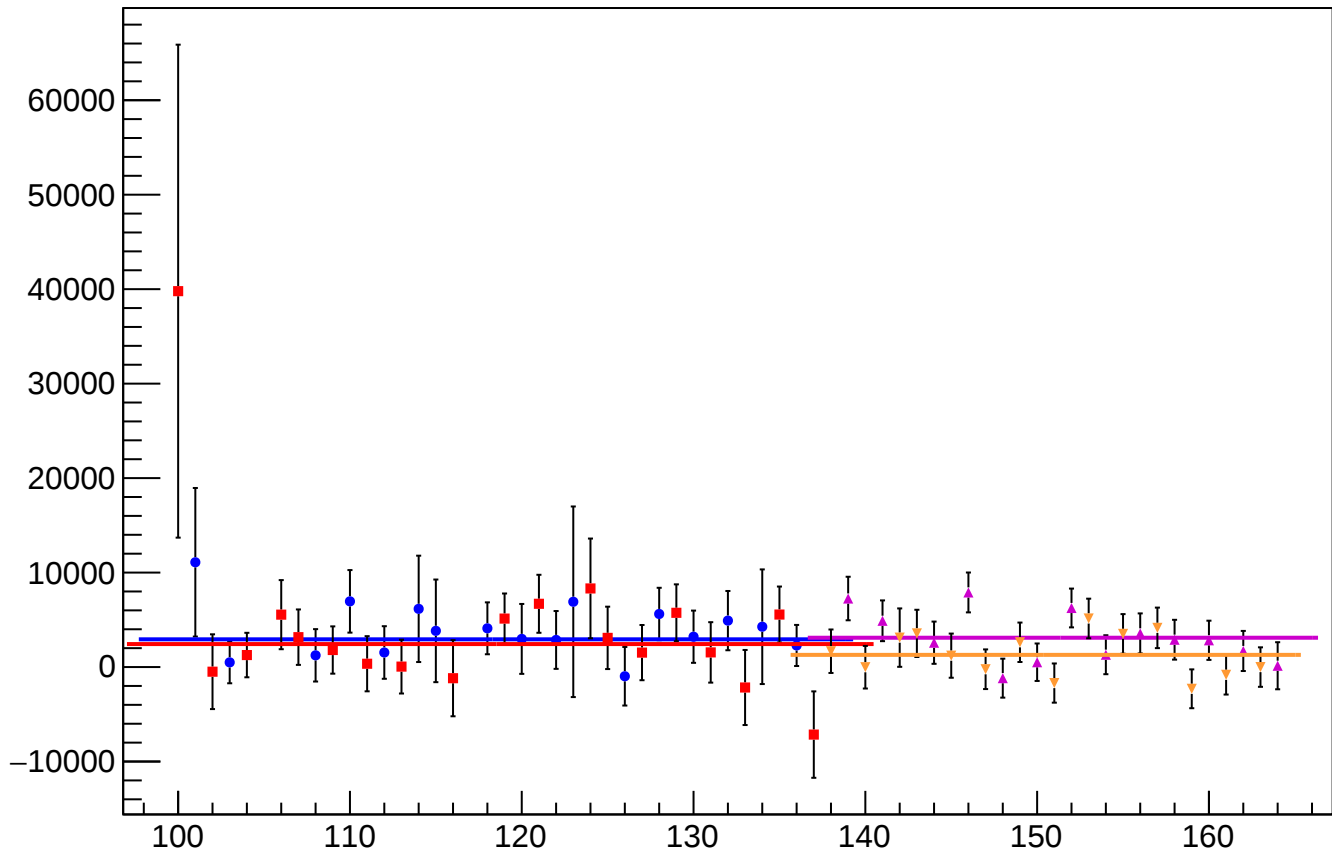
Right: 3065.680+/-0.608 χ^2/NDF : 1745010.6/35

In: 3853.977+/-0.696 χ^2/NDF : 3160847.9/29

Out: 3708.915+/-0.658 χ^2/NDF : 3182910.7/32

All: 3777.355+/-0.478 χ^2/NDF : 6366675.7/62

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1289.558+/-588.195 χ^2/NDF : 15.3/13

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

Left In: 3103.765+/-591.936 χ^2/NDF : 20.2/12

Left: 2190.911+/-417.233 χ^2/NDF : 40.2/26

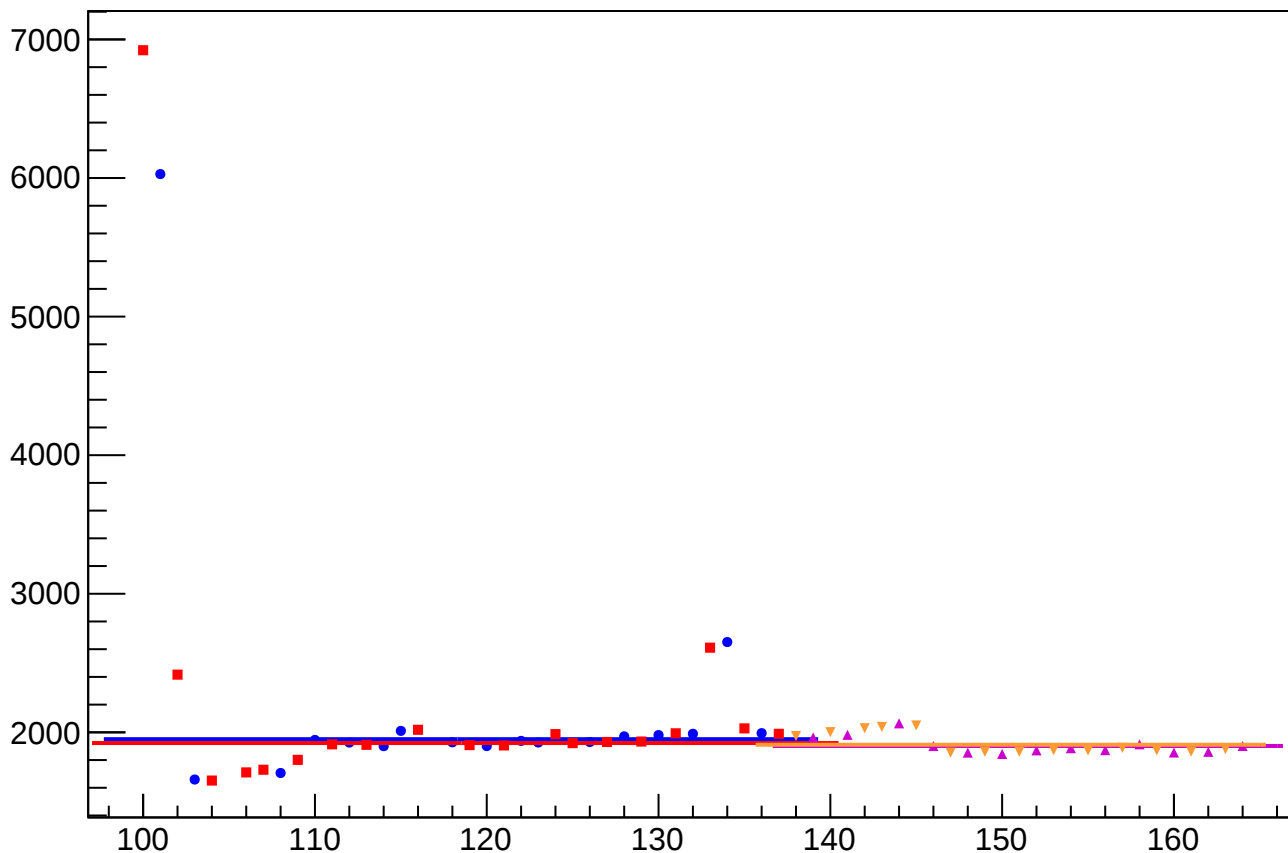
Right: 2672.699+/-535.482 χ^2/NDF : 26.5/35

In: 3041.927+/-470.499 χ^2/NDF : 28.4/29

Out: 1731.876+/-460.556 χ^2/NDF : 34.9/32

All: 2372.913+/-329.121 χ^2/NDF : 67.3/62

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1910.667+/-0.416 χ^2/NDF : 27971.1/13

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

Left In: 1901.658+/-0.419 χ^2/NDF : 20541.1/12

Left: 1906.191+/-0.295 χ^2/NDF : 48745.4/26

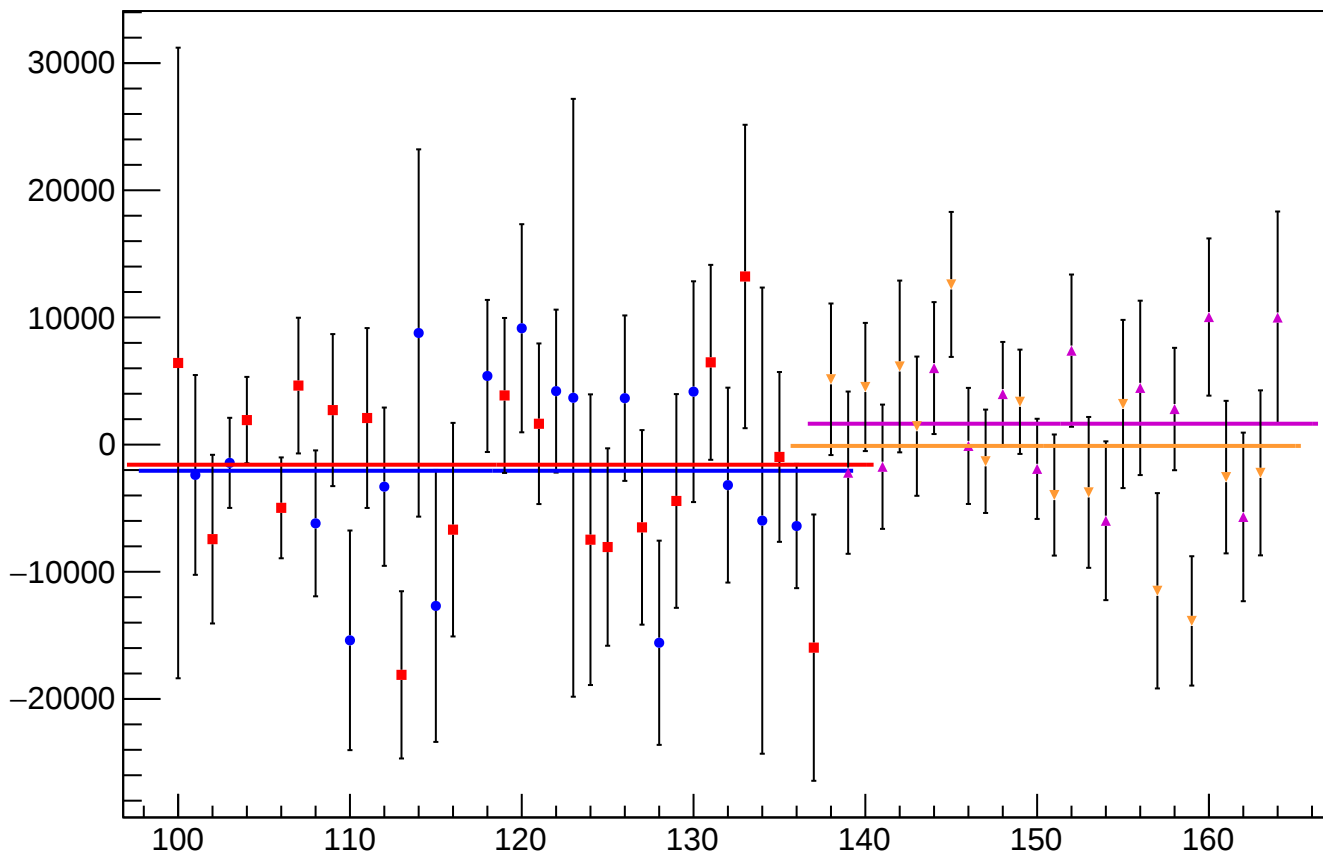
Right: 1936.009+/-0.378 χ^2/NDF : 836086.0/35

In: 1919.685+/-0.333 χ^2/NDF : 642910.8/29

Out: 1915.356+/-0.325 χ^2/NDF : 245698.6/32

All: 1917.472+/-0.233 χ^2/NDF : 888696.0/62

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -102.208 $\pm$ 1449.192 χ^2 /NDF:19.4/13

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

Left In: 1642.675 $\pm$ 1479.365 χ^2 /NDF:9.5/12

Left: 752.257 $\pm$ 1035.236 χ^2 /NDF: 29.7/26

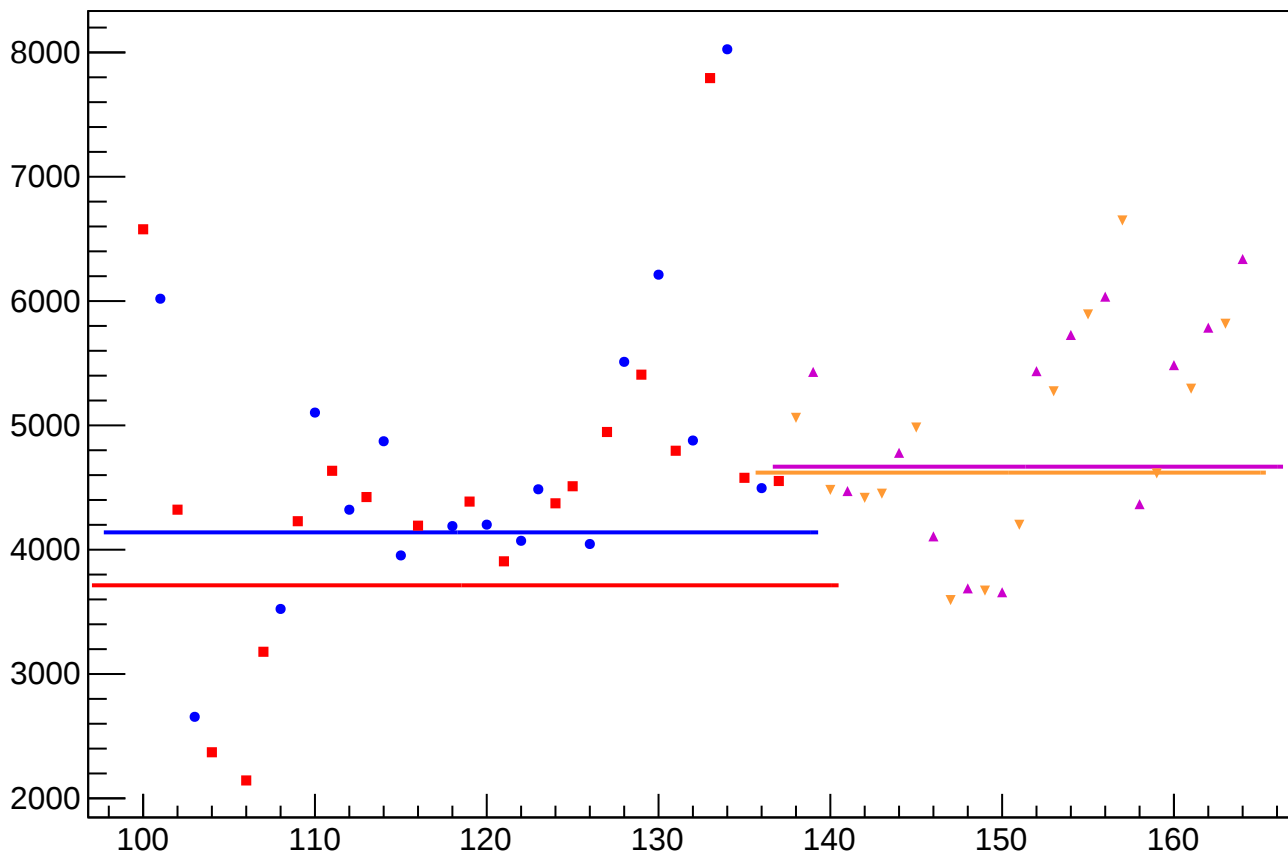
Right: -1791.026 $\pm$ 1103.932 χ^2 /NDF: 32.6/35

In: 6.250 $\pm$ 1104.749 χ^2 /NDF:26.3/29

Out: -827.211 $\pm$ 1034.564 χ^2 /NDF:38.5/32

All: -437.795 $\pm$ 755.141 χ^2 /NDF: 65.1/62

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4139.394 $\pm$ 1.175 χ^2/NDF : 813550.8/16

Left Out: 4620.055 $\pm$ 1.025 χ^2/NDF : 605614.2/13

Right Out: 3713.526 $\pm$ 1.045 χ^2/NDF : 1275828.5/18

Left In: 4667.807 $\pm$ 1.046 χ^2/NDF : 658620.6/12

Left: 4643.439 $\pm$ 0.732 χ^2/NDF : 1265298.2/26

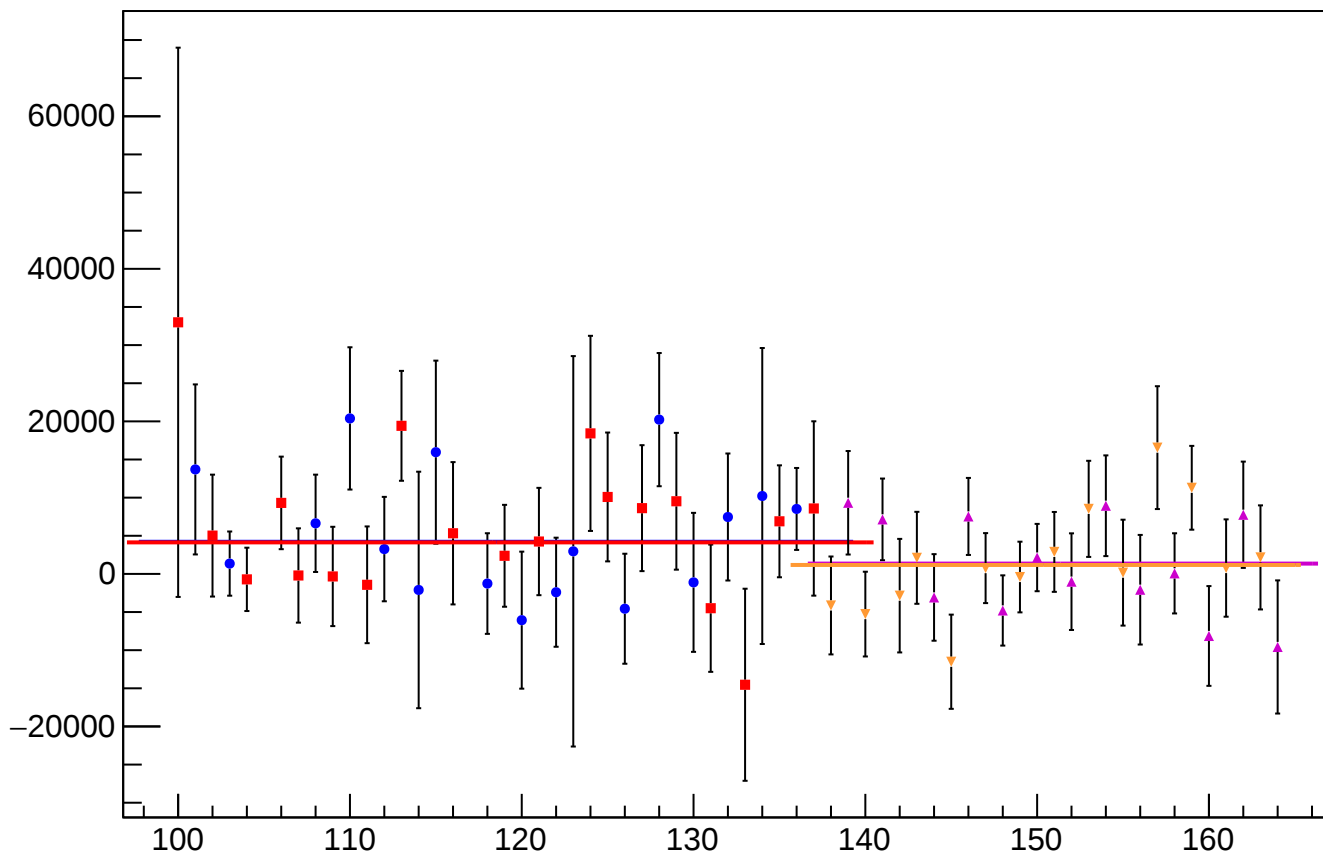
Right: 3901.622 $\pm$ 0.781 χ^2/NDF : 2162777.5/35

In: 4434.074 $\pm$ 0.781 χ^2/NDF : 1585040.1/29

Out: 4175.529 $\pm$ 0.732 χ^2/NDF : 2265200.6/32

All: 4296.328 $\pm$ 0.534 χ^2/NDF : 3908600.8/62

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1173.831+/-1582.172 χ^2/NDF : 15.2/13

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

Left In: 1351.970+/-1609.840 χ^2/NDF : 12.7/12

Left: 1261.356+/-1128.419 χ^2/NDF : 28.0/26

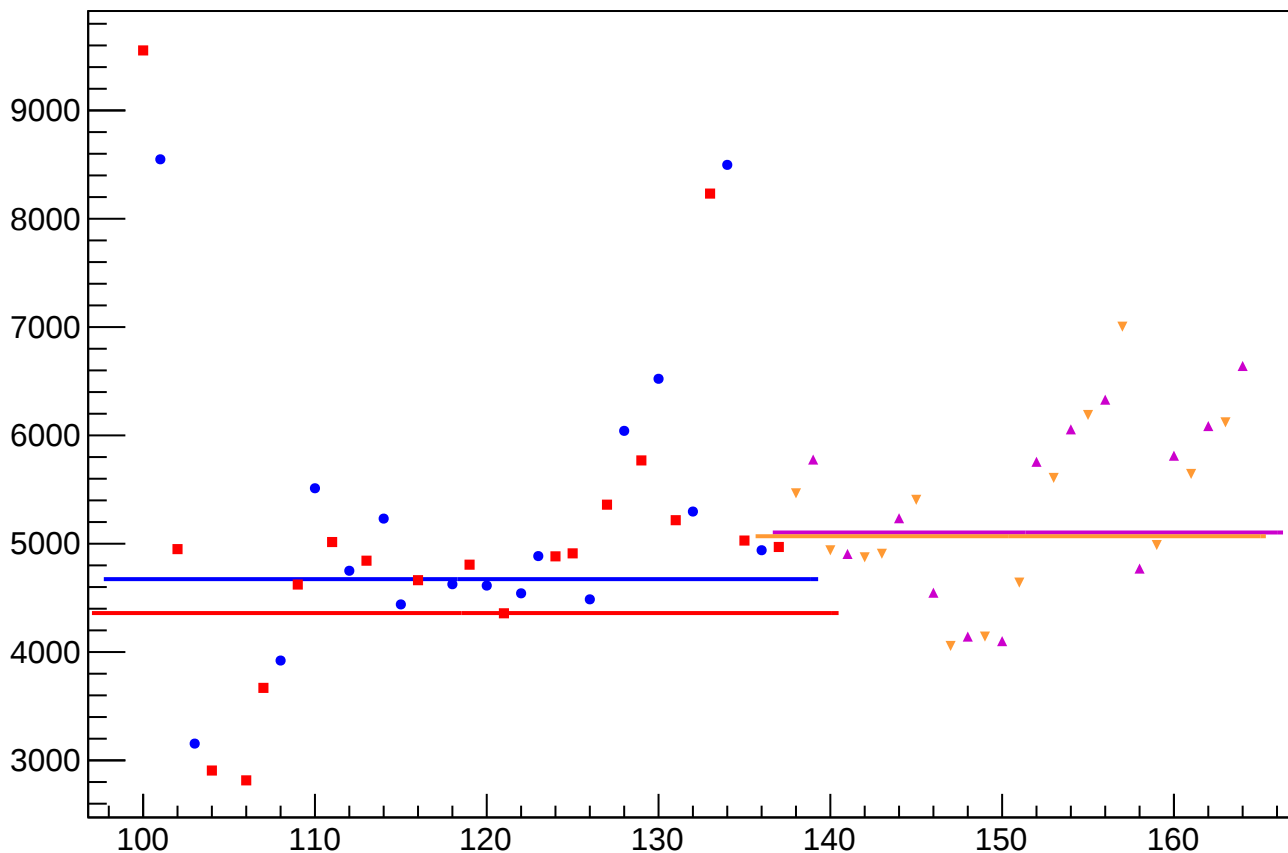
Right: 4169.584+/-1268.468 χ^2/NDF : 29.2/35

In: 2568.311+/-1220.390 χ^2/NDF : 28.5/29

Out: 2525.865+/-1166.099 χ^2/NDF : 31.6/32

All: 2546.123+/-843.096 χ^2/NDF : 60.1/62

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 5069.078 $\pm$ 1.119 χ^2 /NDF: 454404.5/13

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

Left In: 5103.664 $\pm$ 1.138 χ^2 /NDF: 492523.5/12

Left: 5086.071 $\pm$ 0.798 χ^2 /NDF: 947397.6/26

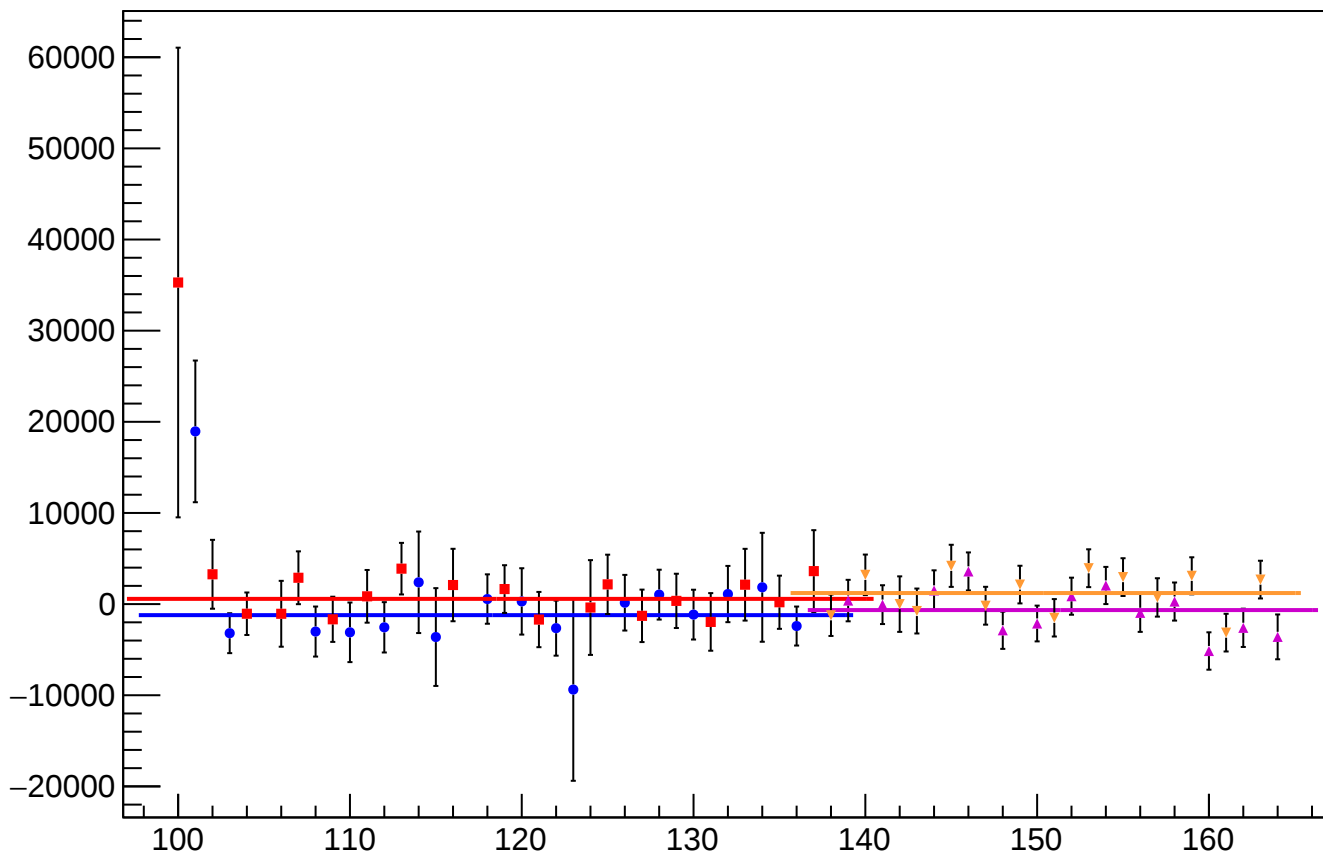
Right: 4502.849 $\pm$ 0.894 χ^2 /NDF: 1639958.3/35

In: 4920.516 $\pm$ 0.863 χ^2 /NDF: 1330708.2/29

Out: 4743.059 $\pm$ 0.822 χ^2 /NDF: 1471335.9/32

All: 4827.518 $\pm$ 0.595 χ^2 /NDF: 2824205.7/62

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1213.441+/-581.297 χ^2/NDF : 15.1/13

Right Out: 573.457+/-730.668 χ^2/NDF : 8.7/18

Left In: -655.617+/-585.378 χ^2/NDF : 16.7/12

Left: 285.450+/-412.474 χ^2/NDF : 37.0/26

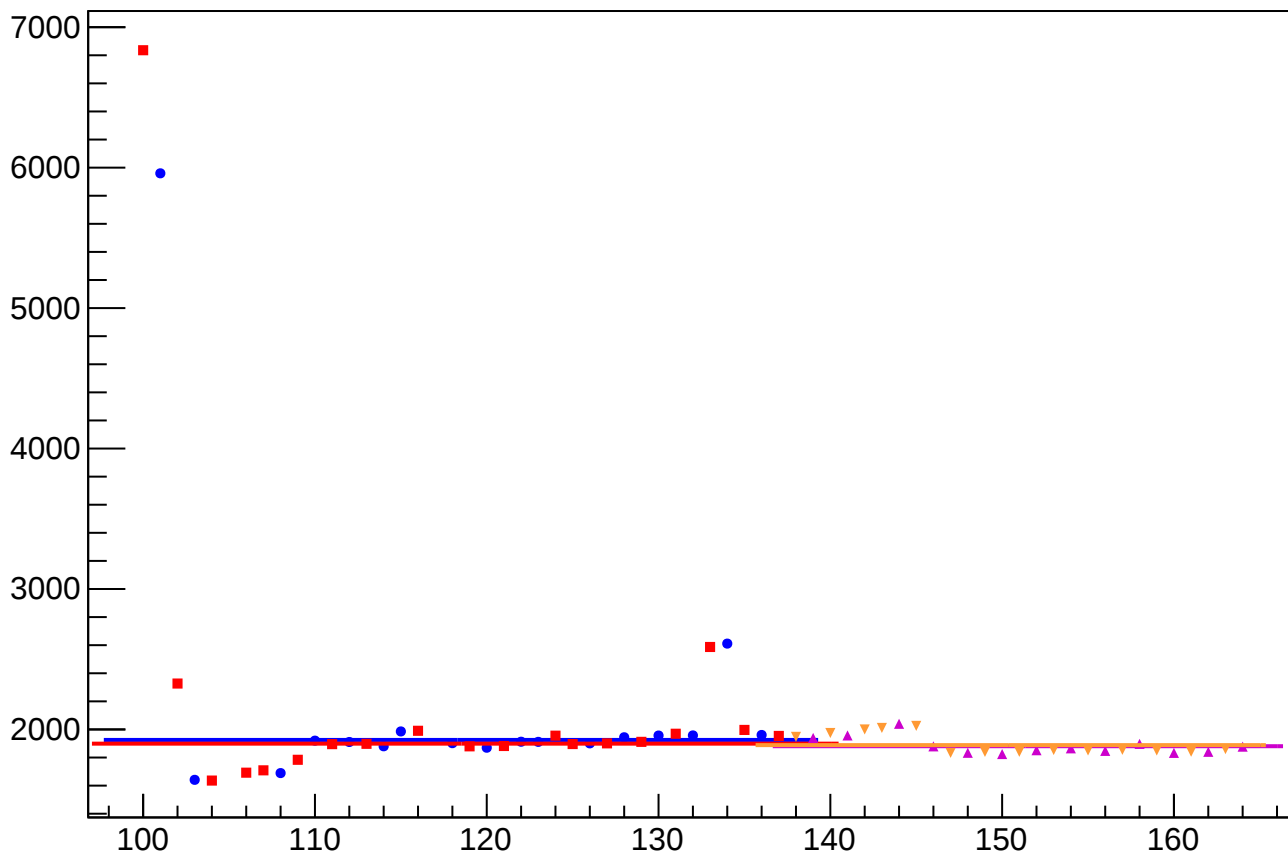
Right: -277.573+/-528.478 χ^2/NDF : 24.2/35

In: -860.684+/-464.955 χ^2/NDF : 29.7/29

Out: 965.381+/-454.898 χ^2/NDF : 24.3/32

All: 72.310+/-325.159 χ^2/NDF : 61.9/62

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1888.357+/-0.411 χ^2/NDF : 26458.7/13

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

Left In: 1880.618+/-0.414 χ^2/NDF : 19979.3/12

Left: 1884.514+/-0.292 χ^2/NDF : 46613.9/26

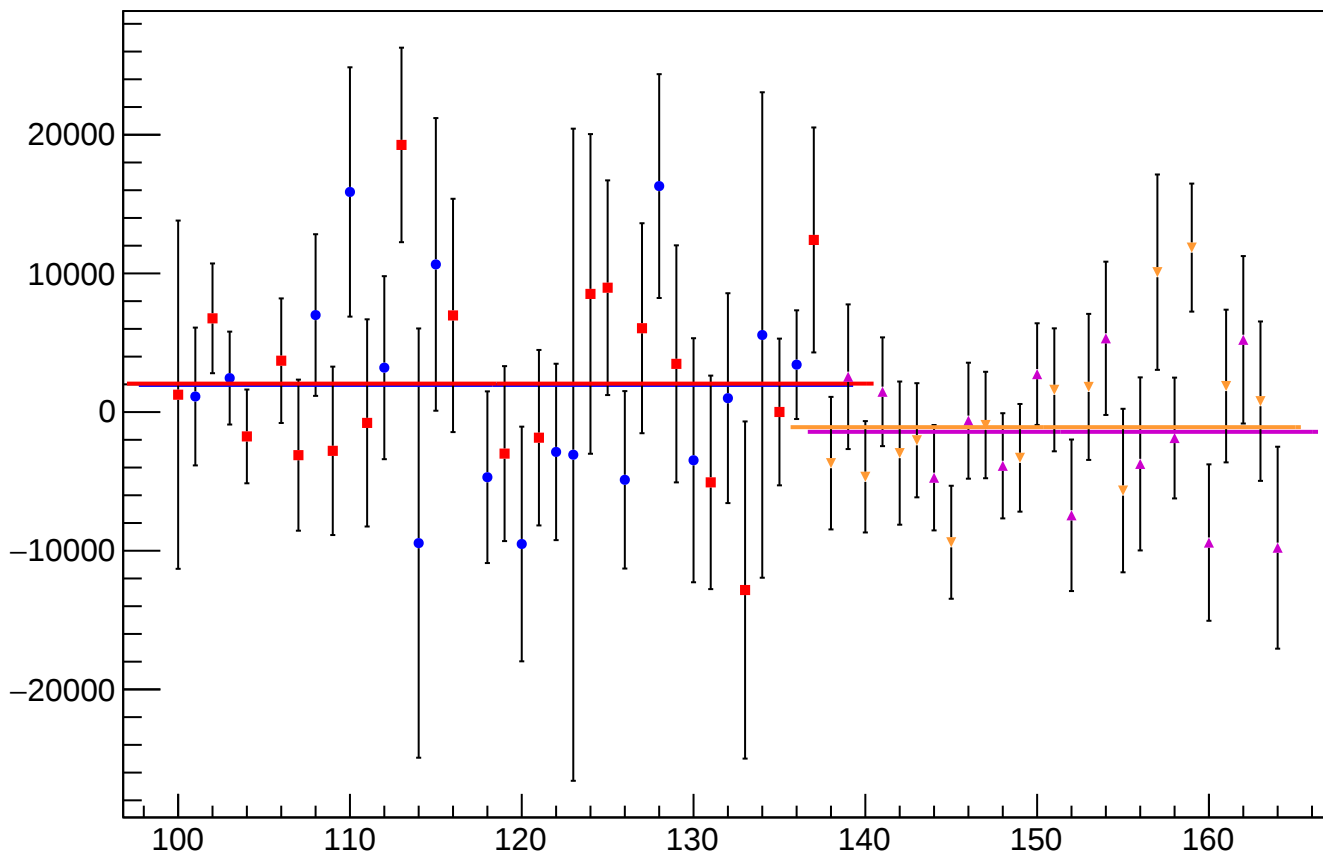
Right: 1911.445+/-0.373 χ^2/NDF : 827992.7/35

In: 1897.118+/-0.329 χ^2/NDF : 640148.0/29

Out: 1892.437+/-0.321 χ^2/NDF : 237587.3/32

All: 1894.724+/-0.230 χ^2/NDF : 877838.9/62

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1087.634+/-1247.345 χ^2/NDF : 17.8/13

Right Out: 2052.842+/-1413.641 χ^2/NDF : 17.4/18

Left In: -1424.971+/-1297.124 χ^2/NDF : 11.0/12

Left: -1249.705+/-899.090 χ^2/NDF : 28.8/26

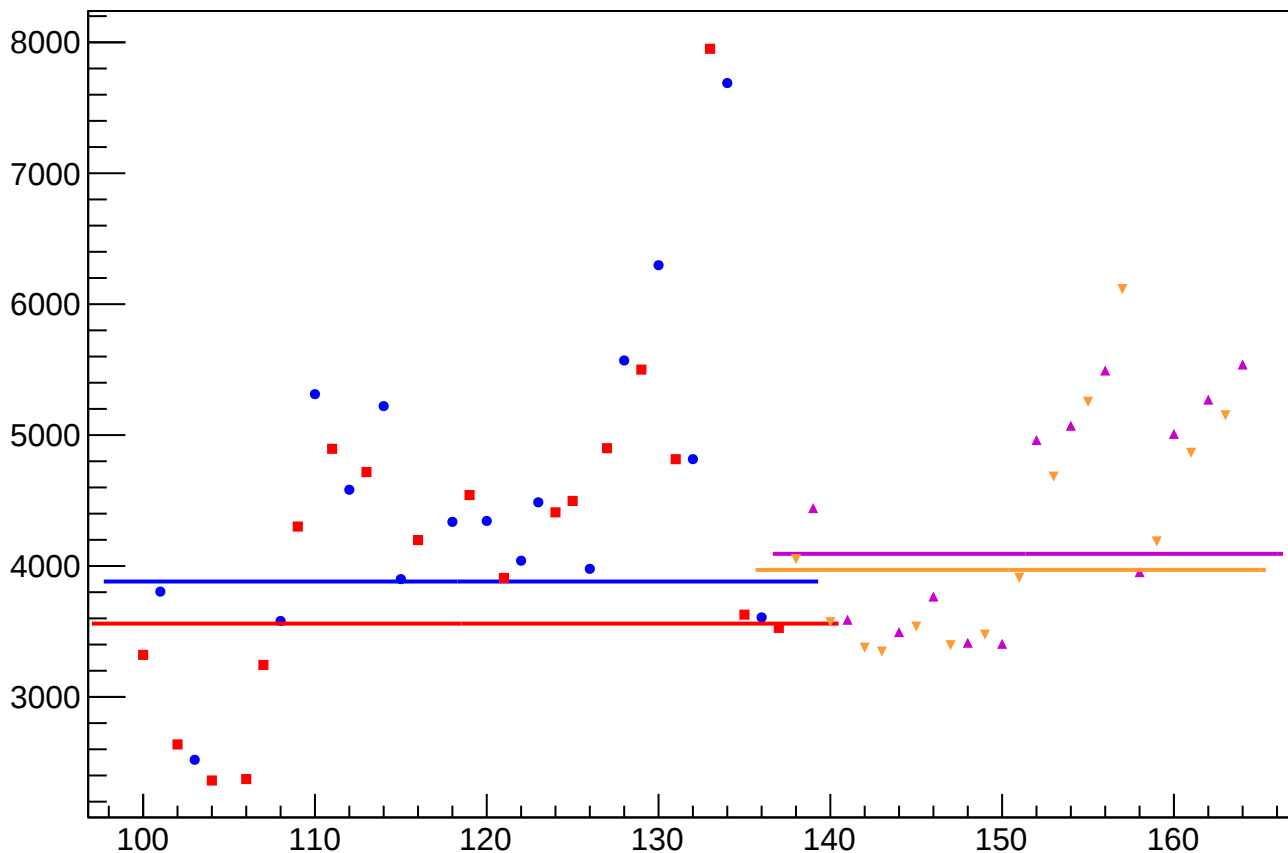
Right: 2010.461+/-1046.568 χ^2/NDF : 30.4/35

In: -38.380+/-996.555 χ^2/NDF : 26.7/29

Out: 287.107+/-935.302 χ^2/NDF : 38.0/32

All: 134.673+/-681.985 χ^2/NDF : 64.8/62

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3970.284+/-0.882 χ^2/NDF : 651600.9/13

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

Left In: 4092.893+/-0.917 χ^2/NDF : 661719.2/12

Left: 4029.191+/-0.636 χ^2/NDF : 1322604.2/26

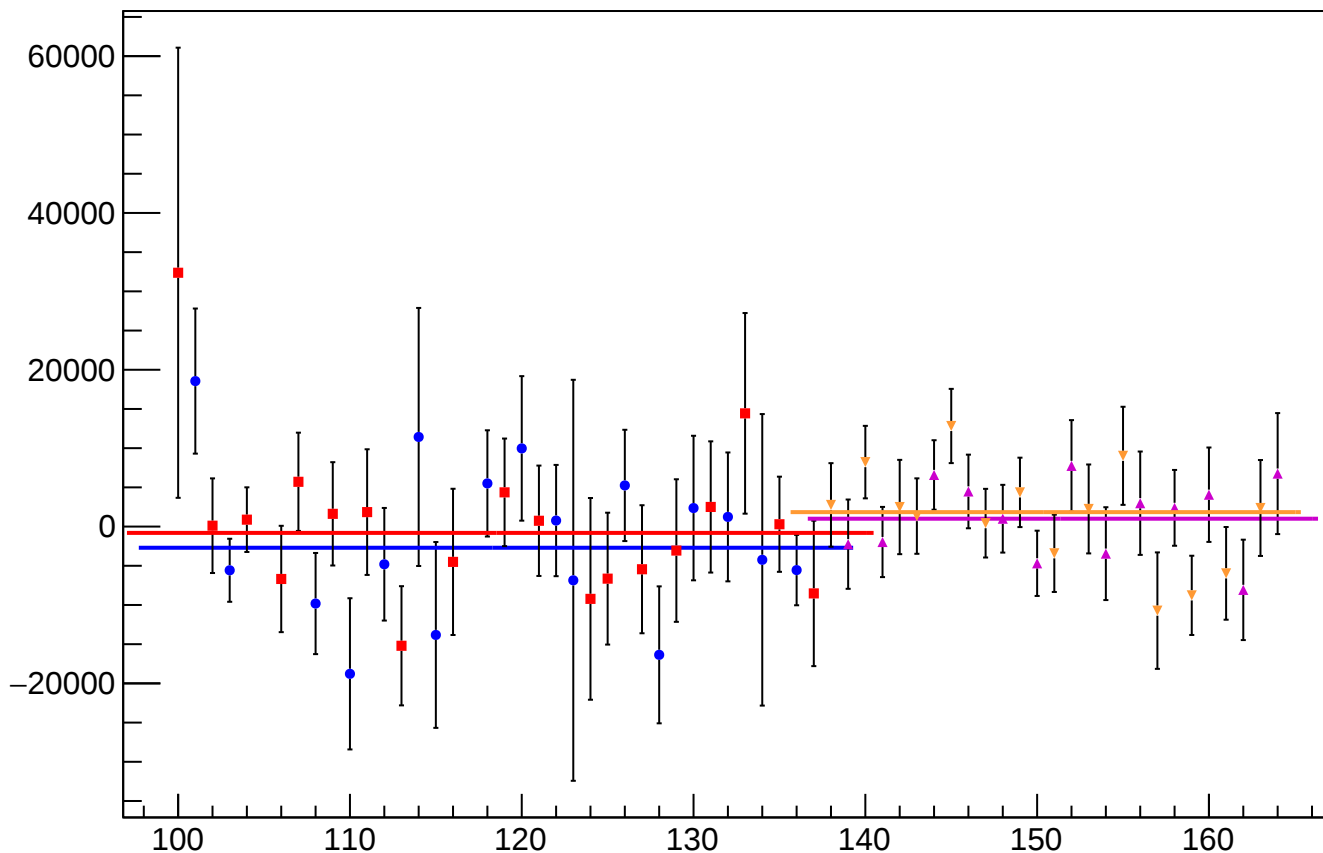
Right: 3705.352+/-0.740 χ^2/NDF : 2105744.2/35

In: 4006.307+/-0.705 χ^2/NDF : 1500935.1/29

Out: 3790.706+/-0.661 χ^2/NDF : 1987821.2/32

All: 3891.678+/-0.482 χ^2/NDF : 3538527.3/62

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1842.277 ± 1398.849 χ^2/NDF : 19.3/13

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

Left In: 1003.298 ± 1442.153 χ^2/NDF : 9.7/12

Left: 1435.572 ± 1004.096 χ^2/NDF : 29.1/26

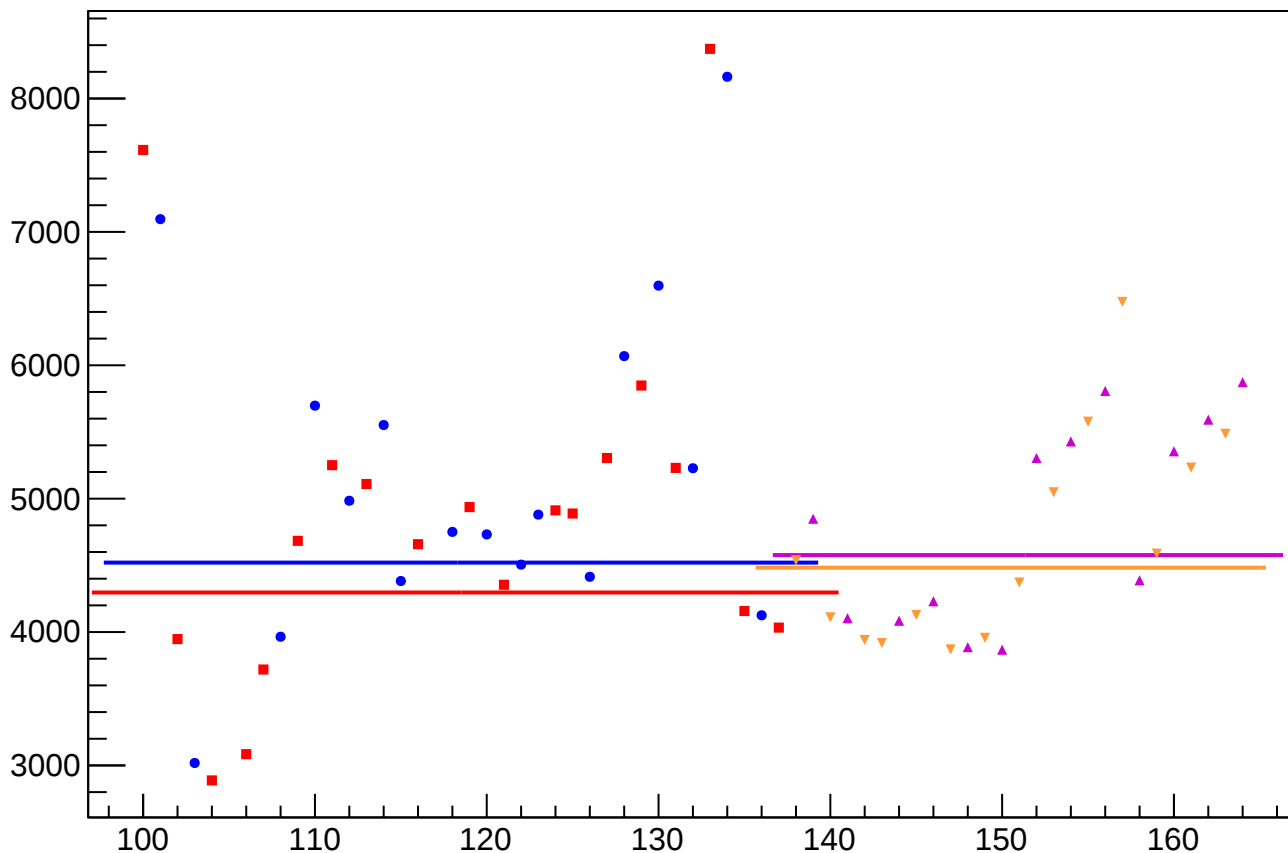
Right: -1689.130 ± 1235.094 χ^2/NDF : 31.9/35

In: -435.959 ± 1127.679 χ^2/NDF : 32.0/29

Out: 765.850 ± 1077.686 χ^2/NDF : 32.3/32

All: 192.175 ± 779.113 χ^2/NDF : 64.8/62

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4482.536 ± 0.989 $\chi^2/\text{NDF}: 448592.4/13$

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

Left In: 4577.172 ± 1.020 $\chi^2/\text{NDF}: 457012.0/12$

Left: 4528.412 ± 0.710 $\chi^2/\text{NDF}: 910041.8/26$

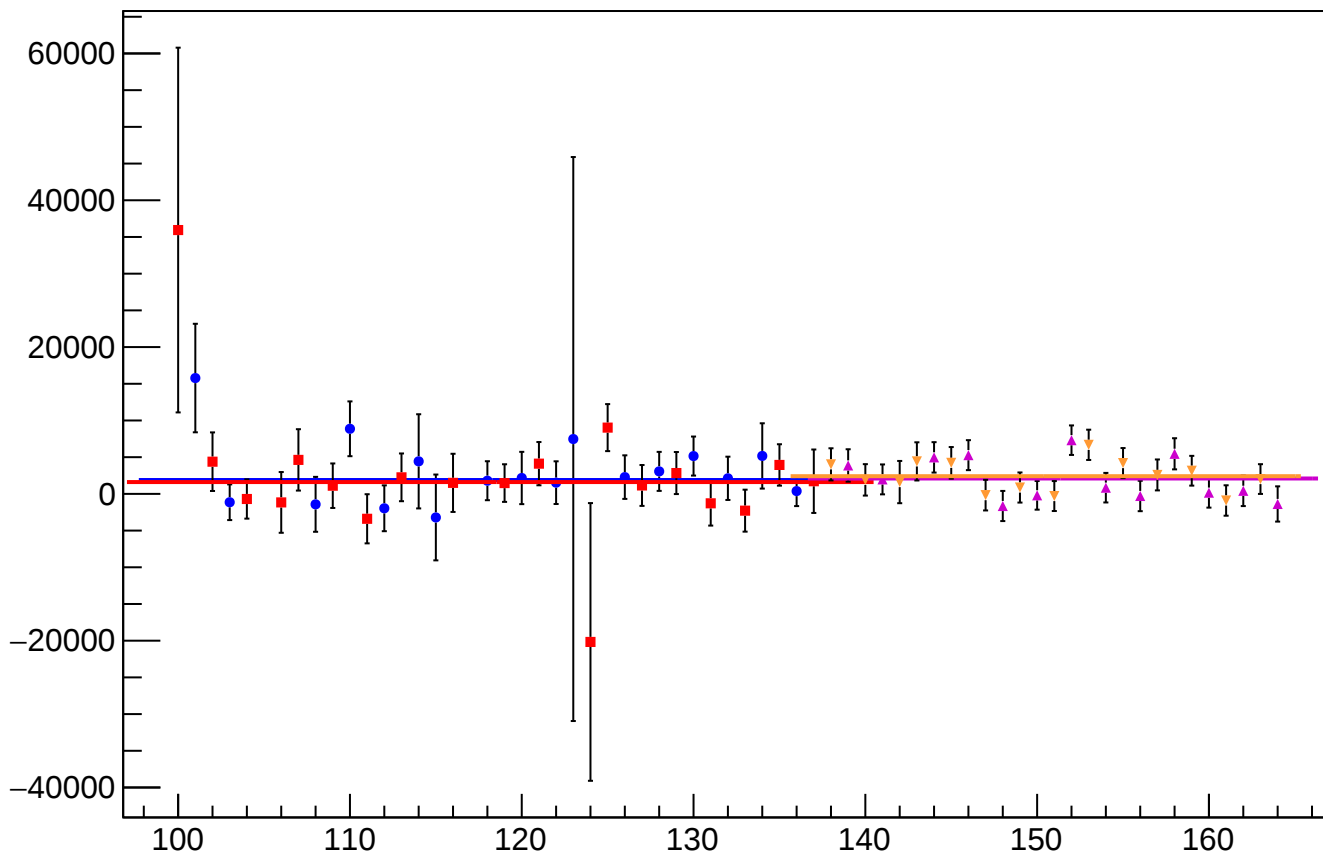
Right: 4400.391 ± 0.871 $\chi^2/\text{NDF}: 1559151.4/35$

In: 4555.223 ± 0.797 $\chi^2/\text{NDF}: 1229091.7/29$

Out: 4406.429 ± 0.760 $\chi^2/\text{NDF}: 1234846.9/32$

All: 4477.286 ± 0.550 $\chi^2/\text{NDF}: 2482176.9/62$

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2409.351+/-573.786 χ^2/NDF :13.6/13

Right Out: 1610.310+/-765.843 χ^2/NDF : 17.5/18

Left In: 2096.531+/-576.178 χ^2/NDF :24.3/12

Left: 2253.592+/-406.571 χ^2/NDF : 38.1/26

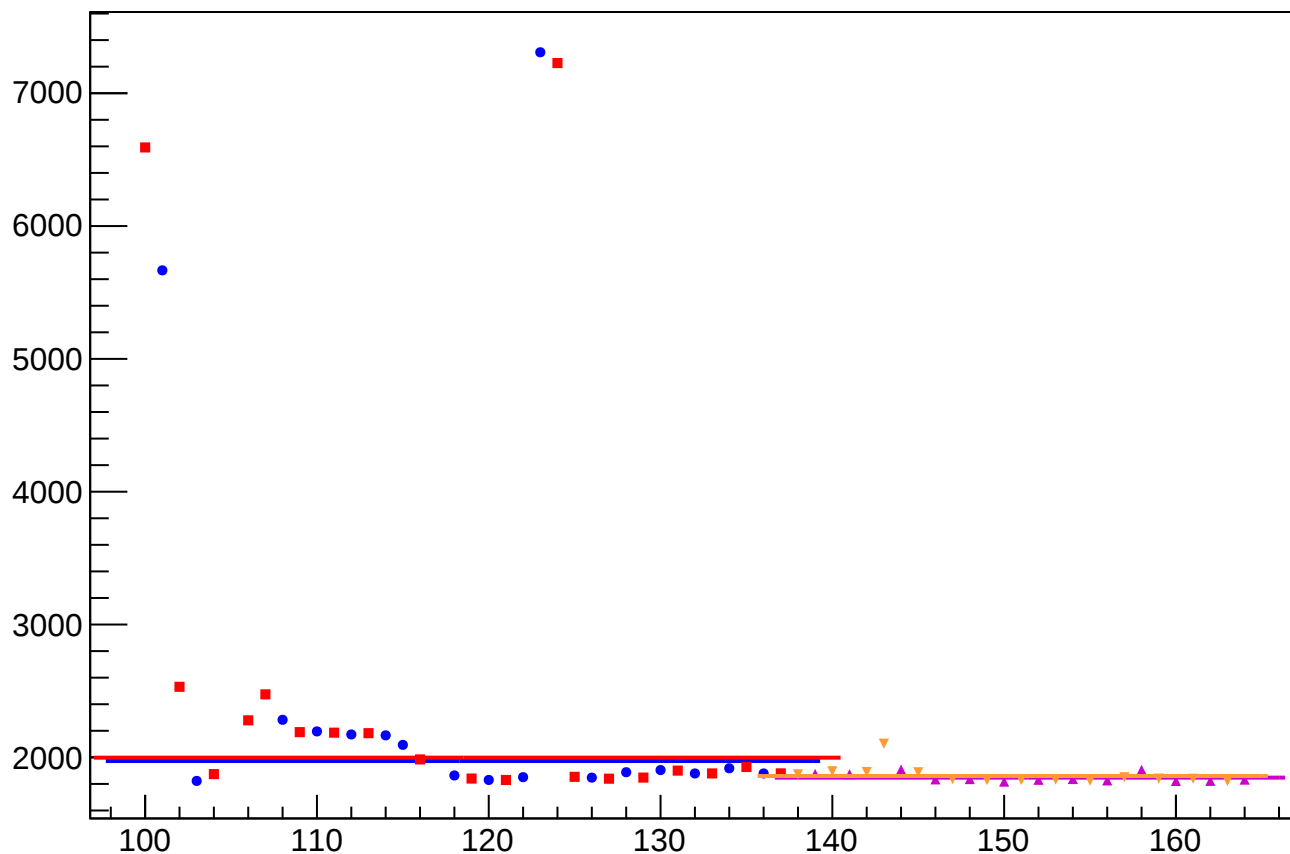
Right: 1745.891+/-547.780 χ^2/NDF : 32.2/35

In: 2023.350+/-464.245 χ^2/NDF :39.0/29

Out: 2122.079+/-459.200 χ^2/NDF :31.8/32

All: 2073.254+/-326.473 χ^2/NDF : 70.9/62

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1859.729+/-0.406 χ^2/NDF : 21916.7/13

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

Left In: 1847.365+/-0.407 χ^2/NDF : 5577.8/12

Left: 1853.573+/-0.287 χ^2/NDF : 27957.0/26

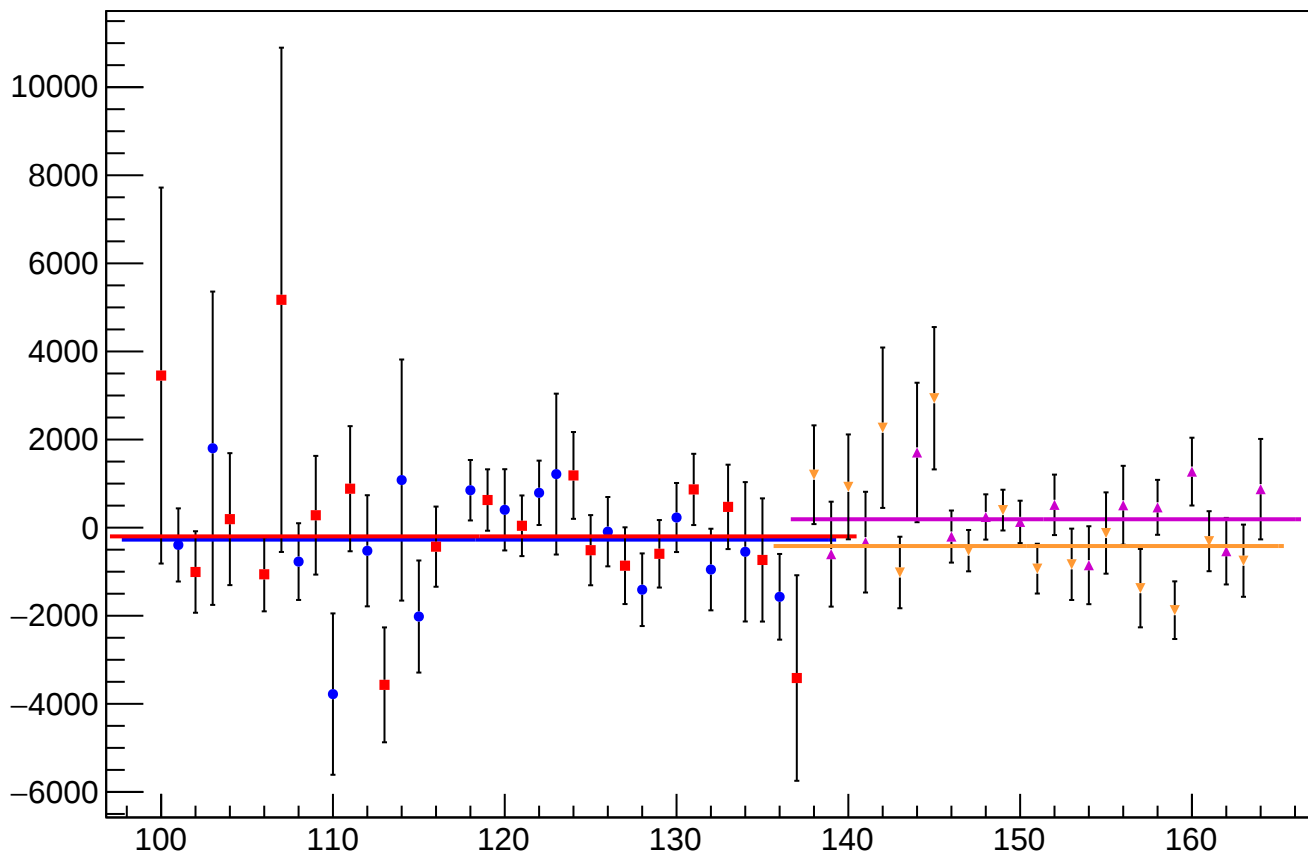
Right: 1985.358+/-0.387 χ^2/NDF : 957496.6/35

In: 1891.256+/-0.328 χ^2/NDF : 639531.5/29

Out: 1909.314+/-0.325 χ^2/NDF : 419032.3/32

All: 1900.384+/-0.231 χ^2/NDF : 1060093.4/62

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -417.479 $\pm$ 196.186 χ^2 /NDF:21.0/13

Right Out: -198.424 $\pm$ 229.035 χ^2 /NDF: 19.7/18

Left In: 190.412 $\pm$ 203.019 χ^2 /NDF:7.2/12

Left: -123.934 $\pm$ 141.078 χ^2 /NDF: 32.9/26

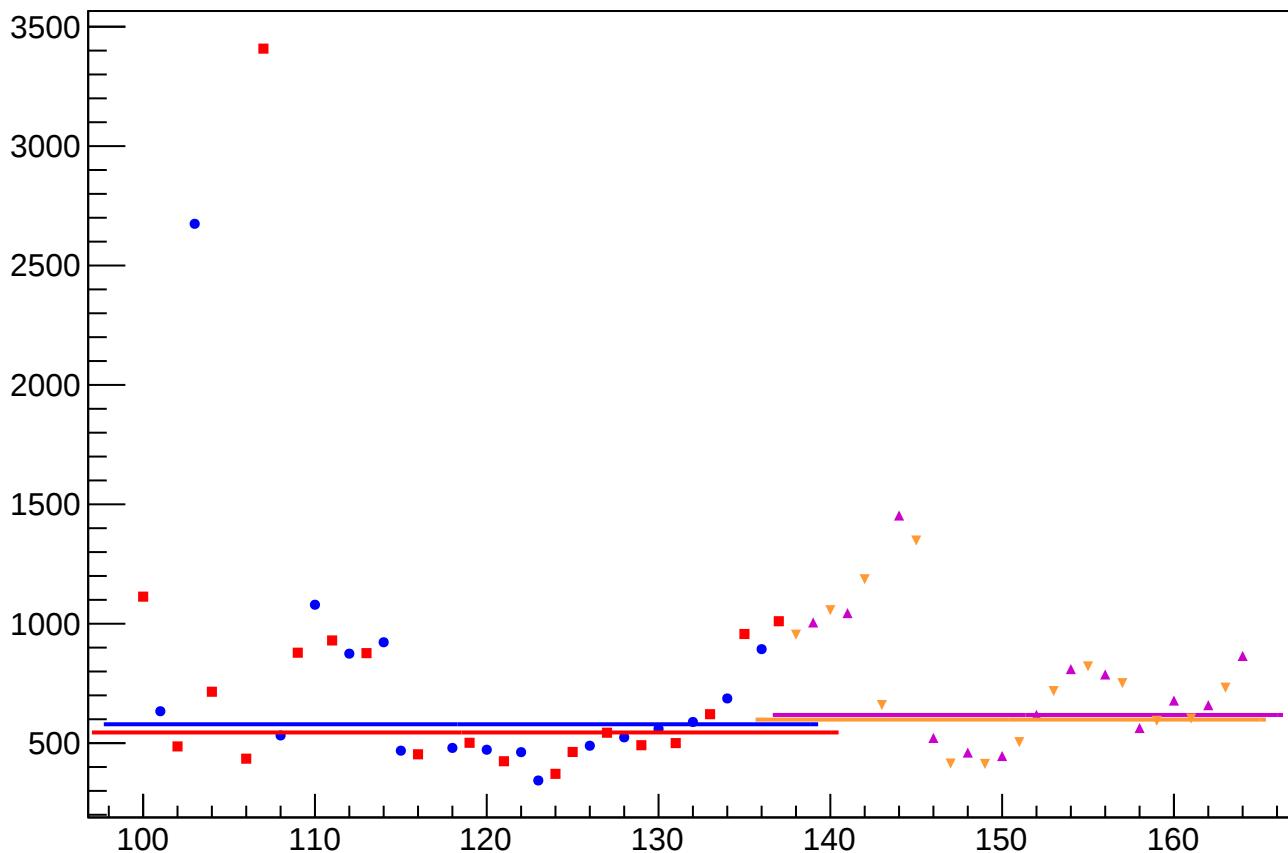
Right: -233.352 $\pm$ 165.764 χ^2 /NDF: 37.0/35

In: -2.165 $\pm$ 155.058 χ^2 /NDF:26.6/29

Out: -324.773 $\pm$ 148.997 χ^2 /NDF:41.3/32

All: -169.897 $\pm$ 107.436 χ^2 /NDF: 70.1/62

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 598.517 $\pm$ 0.139 χ^2 /NDF: 2104983.2/13

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

Left In: 617.964 $\pm$ 0.144 χ^2 /NDF: 1835777.9/12

Left: 607.908 $\pm$ 0.100 χ^2 /NDF: 3950251.3/26

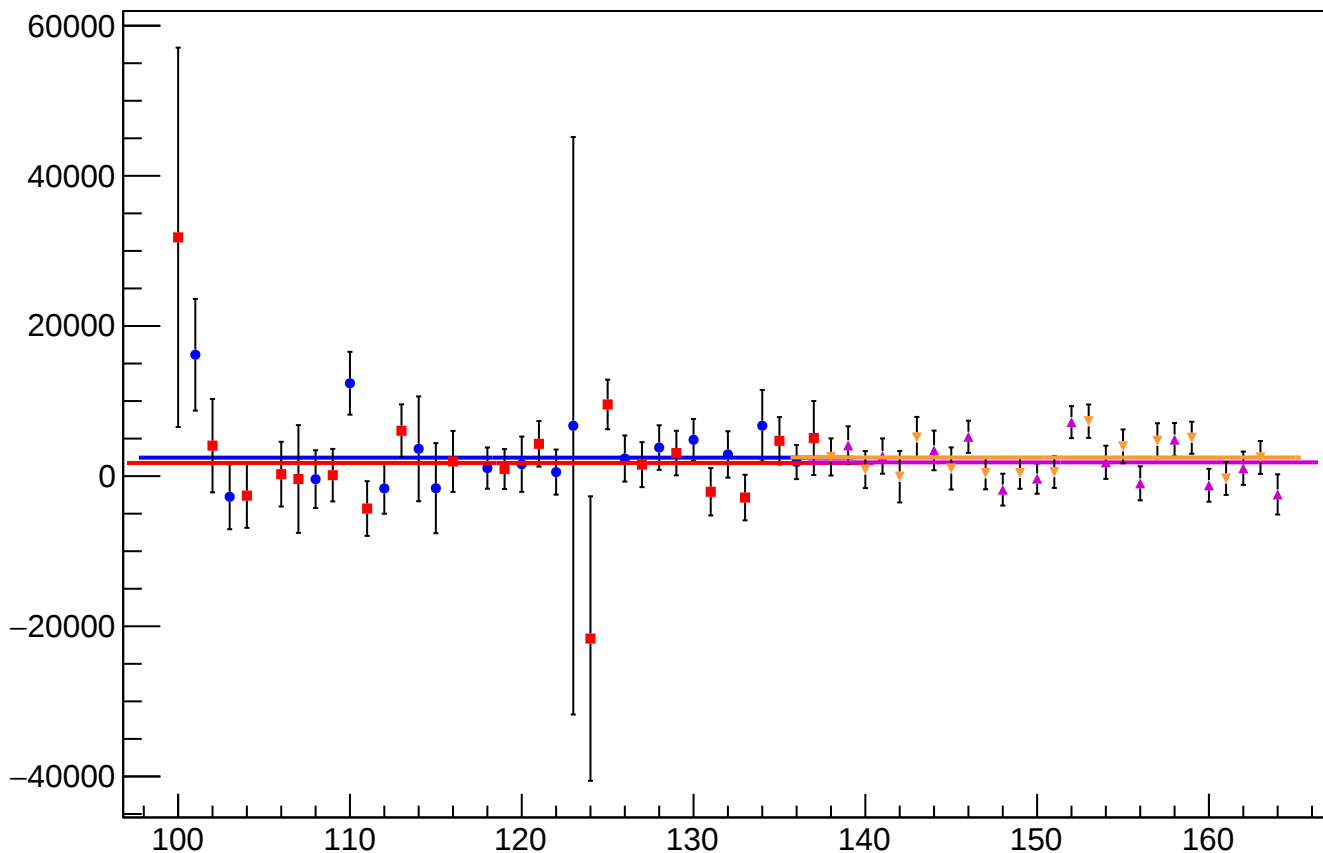
Right: 561.024 $\pm$ 0.117 χ^2 /NDF: 2901353.8/35

In: 601.734 $\pm$ 0.110 χ^2 /NDF: 3288606.6/29

Out: 575.730 $\pm$ 0.105 χ^2 /NDF: 3626537.1/32

All: 588.214 $\pm$ 0.076 χ^2 /NDF: 6944388.2/62

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2490.915+/-625.339 χ^2/NDF :14.2/13

Right Out: 1756.788+/-853.292 χ^2/NDF : 20.5/18

Left In: 1833.670+/-627.213 χ^2/NDF :22.2/12

Left: 2163.275+/-442.843 χ^2/NDF : 36.9/26

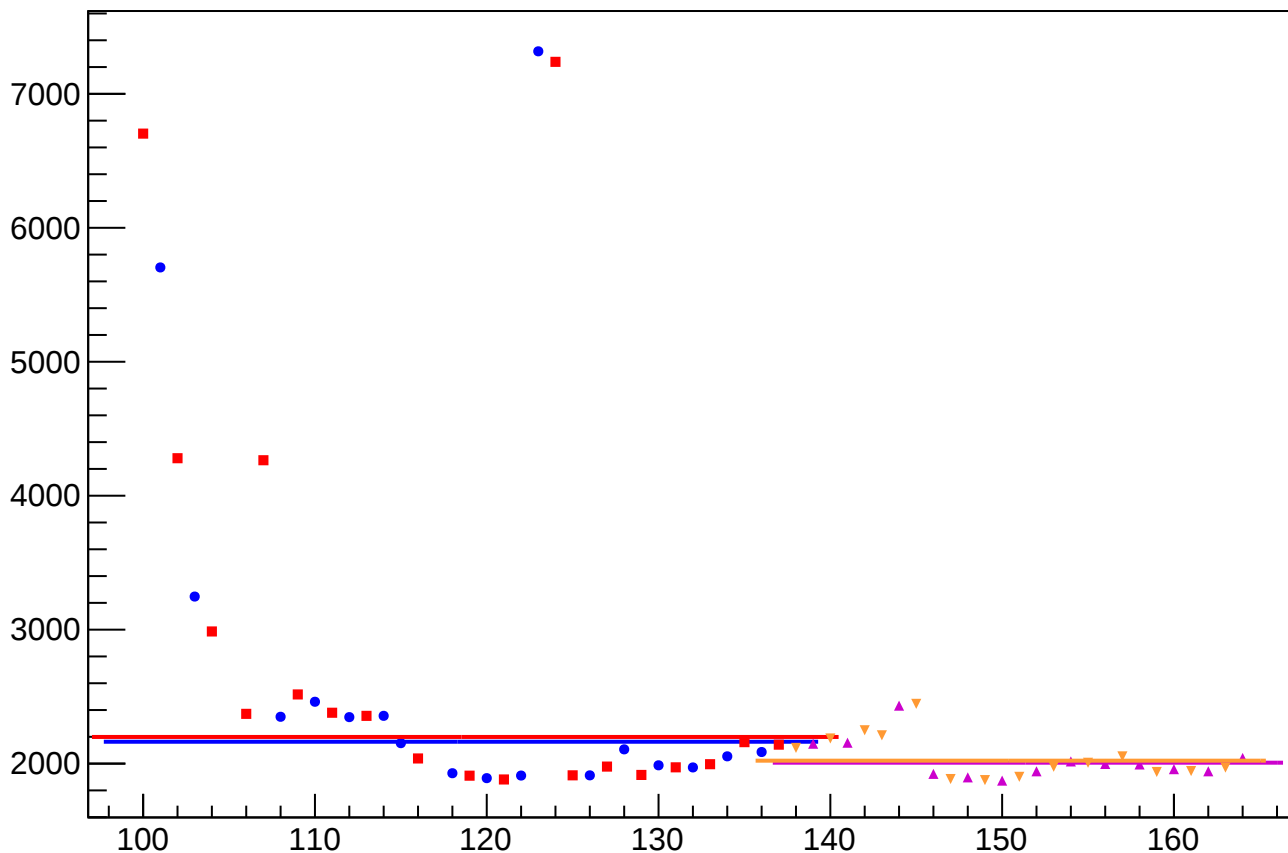
Right: 2106.351+/-606.840 χ^2/NDF : 36.4/35

In: 2051.499+/-507.408 χ^2/NDF :38.1/29

Out: 2234.400+/-504.392 χ^2/NDF :35.1/32

All: 2143.495+/-357.721 χ^2/NDF : 73.3/62

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2163.303 ± 0.610 $\chi^2/\text{NDF}: 709584.4/16$

Left Out: 2021.930 ± 0.442 $\chi^2/\text{NDF}: 108276.5/13$

Right Out: 2199.003 ± 0.603 $\chi^2/\text{NDF}: 803297.2/18$

Left In: 2006.898 ± 0.444 $\chi^2/\text{NDF}: 88531.0/12$

Left: 2014.436 ± 0.313 $\chi^2/\text{NDF}: 197383.6/26$

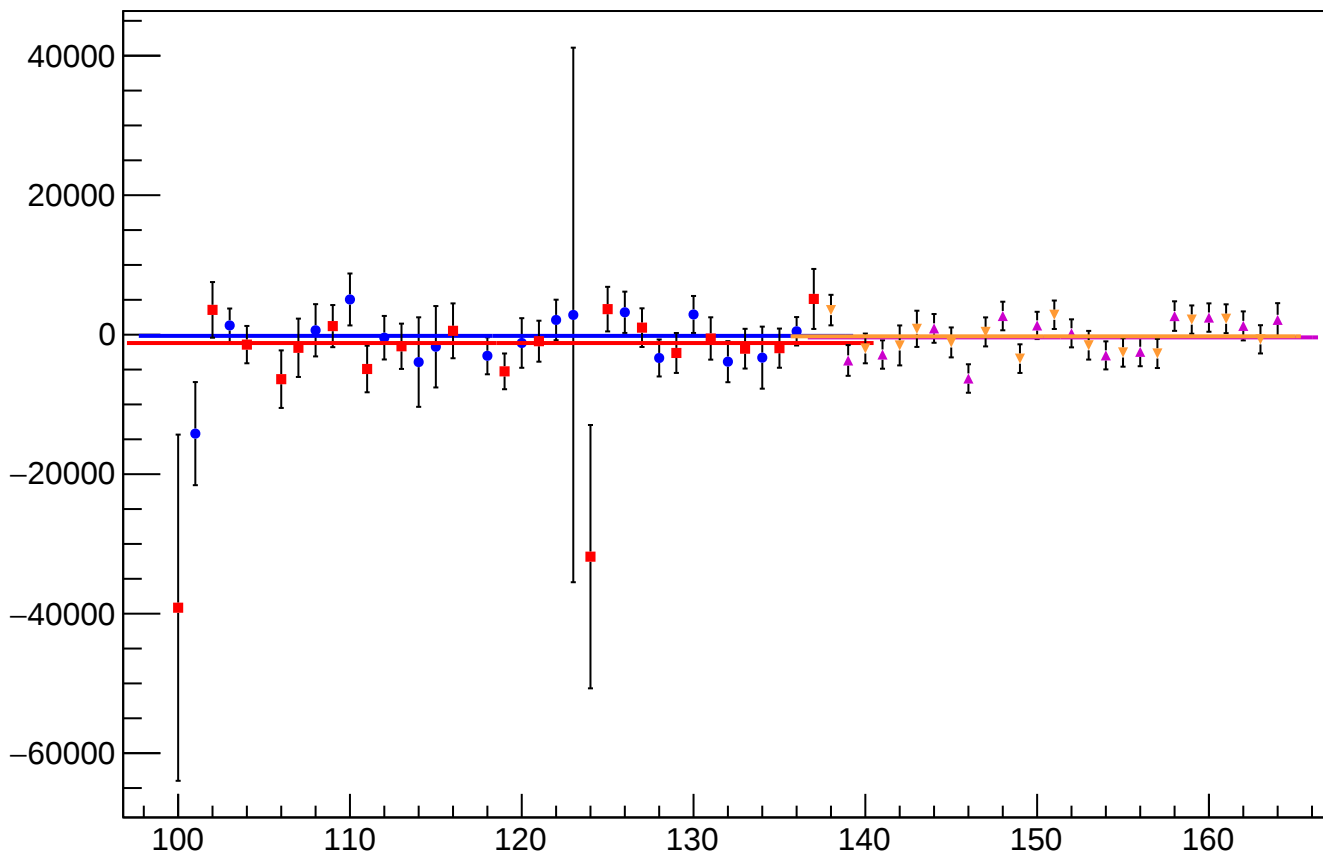
Right: 2181.359 ± 0.429 $\chi^2/\text{NDF}: 1514611.9/35$

In: 2060.942 ± 0.359 $\chi^2/\text{NDF}: 841088.4/29$

Out: 2083.802 ± 0.357 $\chi^2/\text{NDF}: 967606.8/32$

All: 2072.440 ± 0.253 $\chi^2/\text{NDF}: 1810737.1/62$

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -234.574+/-572.621 χ^2/NDF : 15.0/13

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

Left In: -387.509+/-575.431 χ^2/NDF : 23.9/12

Left: -310.667+/-405.894 χ^2/NDF : 38.9/26

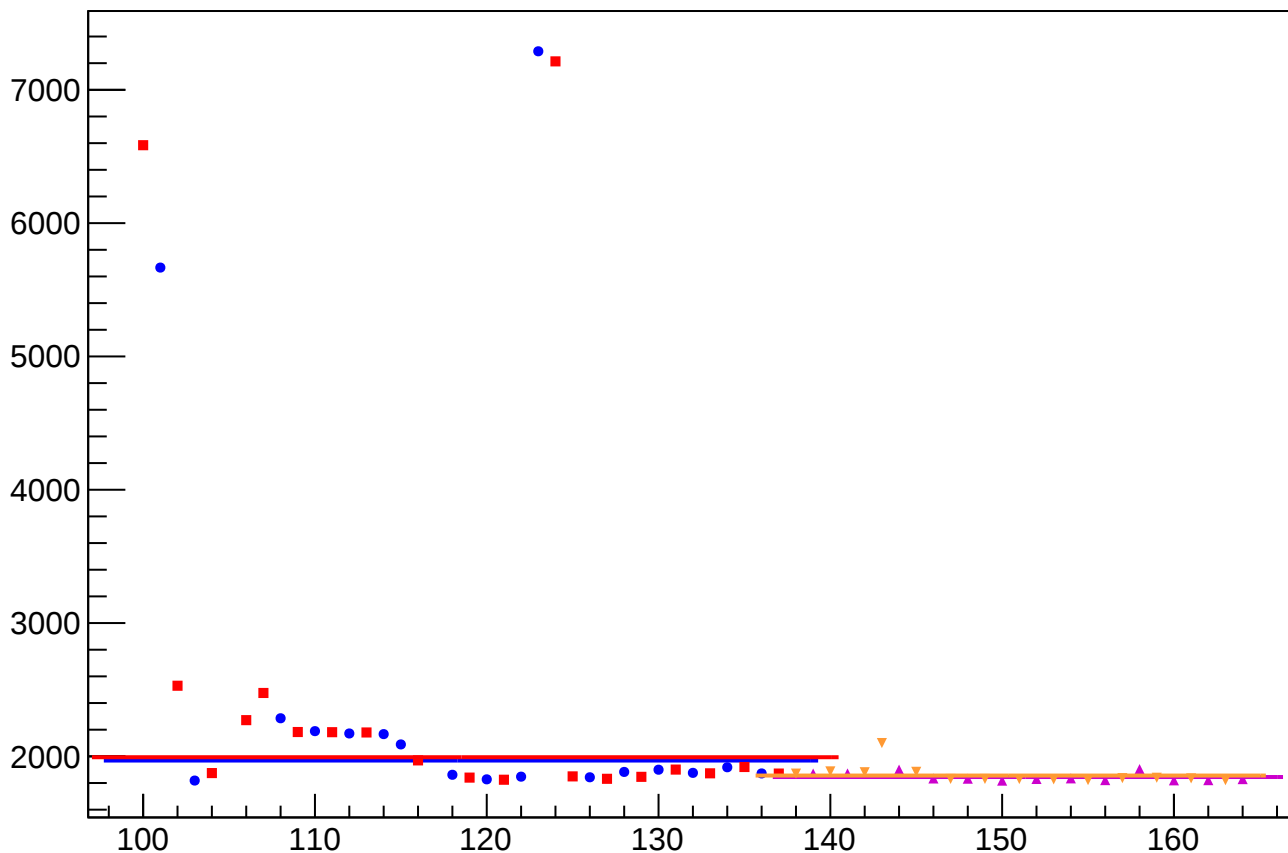
Right: -695.987+/-546.706 χ^2/NDF : 33.6/35

In: -311.277+/-463.554 χ^2/NDF : 38.5/29

Out: -580.802+/-458.260 χ^2/NDF : 34.2/32

All: -447.588+/-325.895 χ^2/NDF : 72.8/62

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1855.988 $\pm$ 0.405 χ^2 /NDF: 21649.9/13

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

Left In: 1844.982 $\pm$ 0.407 χ^2 /NDF: 5207.9/12

Left: 1850.512 $\pm$ 0.287 χ^2 /NDF: 27225.5/26

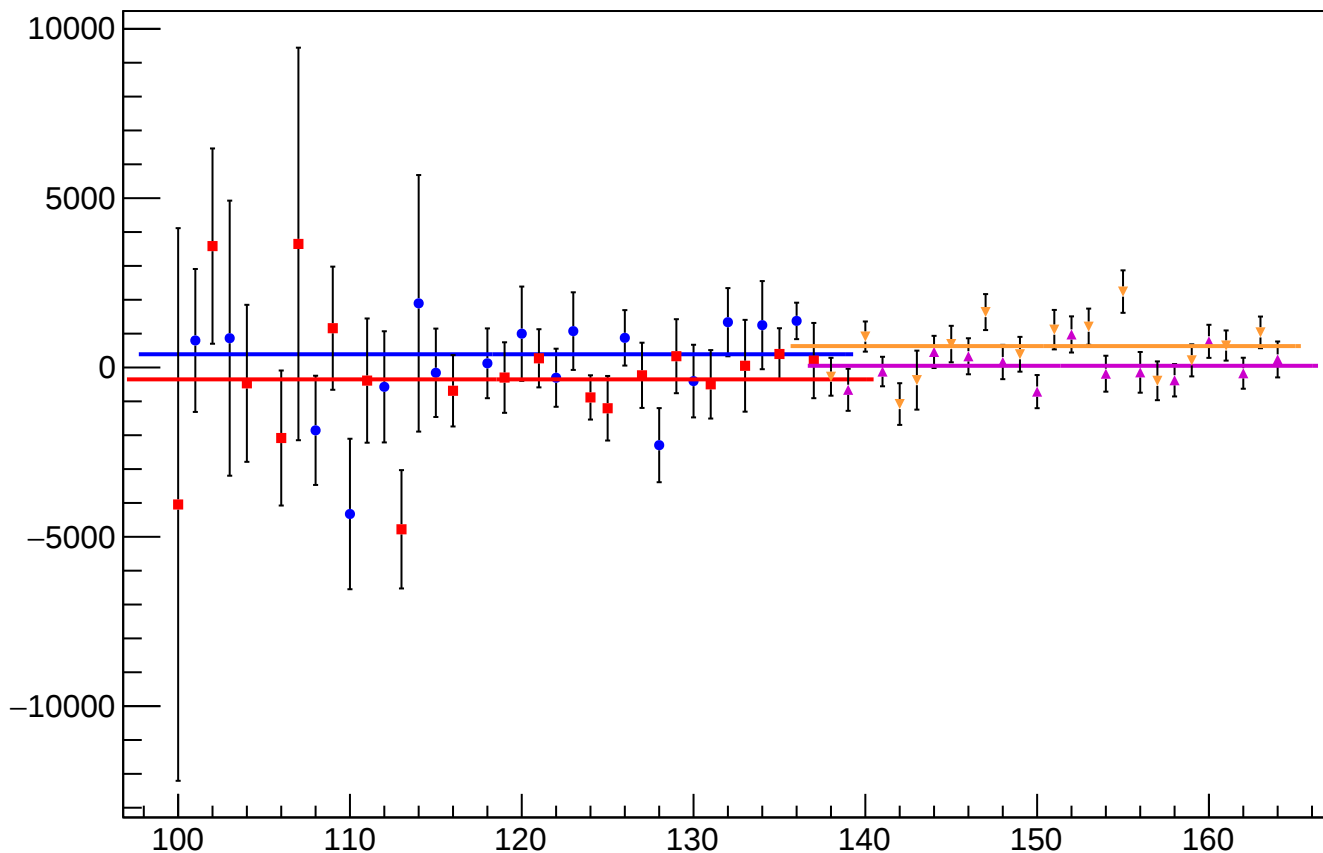
Right: 1981.318 $\pm$ 0.387 χ^2 /NDF: 960172.6/35

In: 1888.388 $\pm$ 0.328 χ^2 /NDF: 640599.7/29

Out: 1905.401 $\pm$ 0.324 χ^2 /NDF: 419244.4/32

All: 1896.993 $\pm$ 0.230 χ^2 /NDF: 1061206.5/62

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 632.169 $\pm$ 142.712 χ^2/NDF :29.1/13

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

Left In: 50.129 $\pm$ 140.584 χ^2/NDF :11.6/12

Left: 336.777 $\pm$ 100.152 χ^2/NDF : 49.1/26

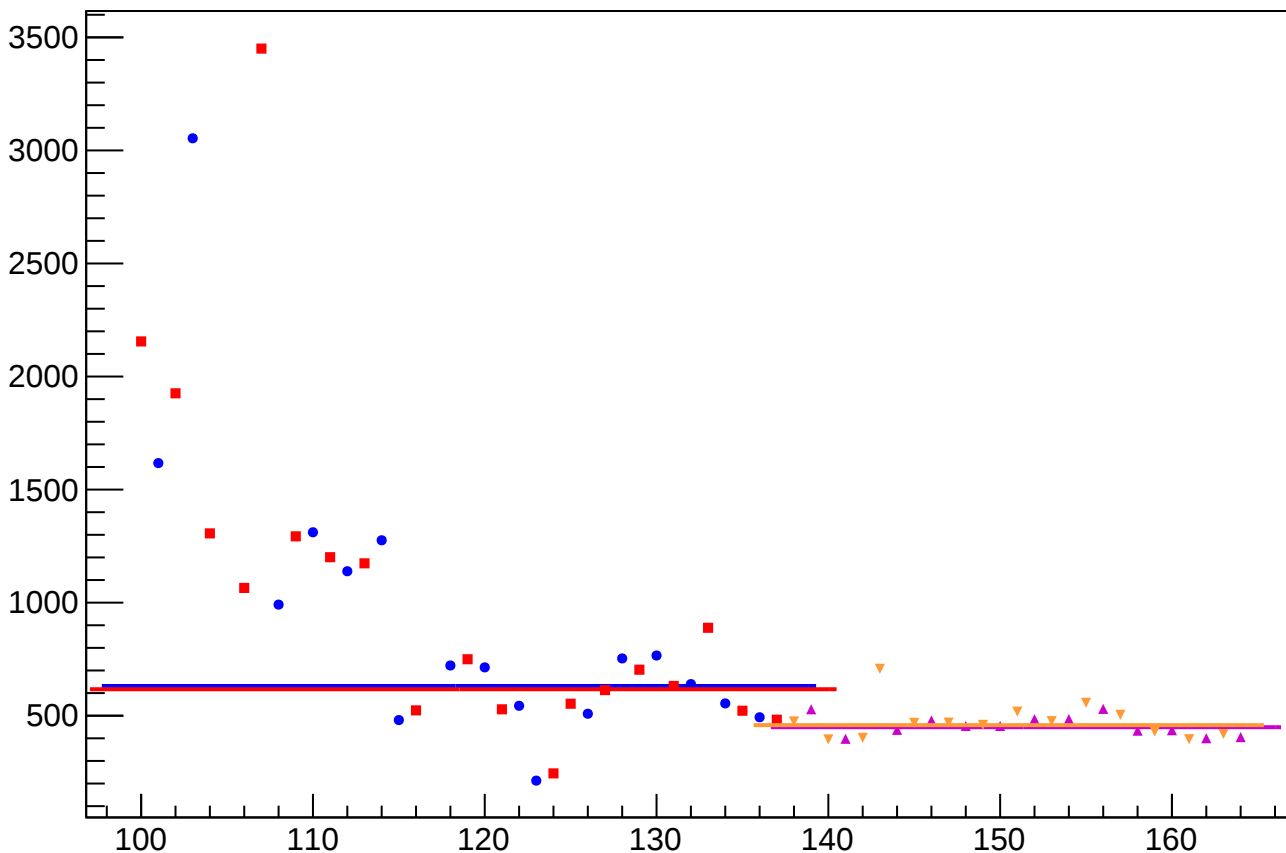
Right: 14.566 $\pm$ 189.568 χ^2/NDF : 38.1/35

In: 122.761 $\pm$ 124.706 χ^2/NDF :32.9/29

Out: 412.627 $\pm$ 125.766 χ^2/NDF :53.9/32

All: 266.467 $\pm$ 88.553 χ^2/NDF : 89.5/62

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 458.343 $\pm$ 0.101 χ^2 /NDF: 369427.9/13

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

Left In: 449.154 $\pm$ 0.099 χ^2 /NDF: 162671.4/12

Left: 453.680 $\pm$ 0.071 χ^2 /NDF: 536307.3/26

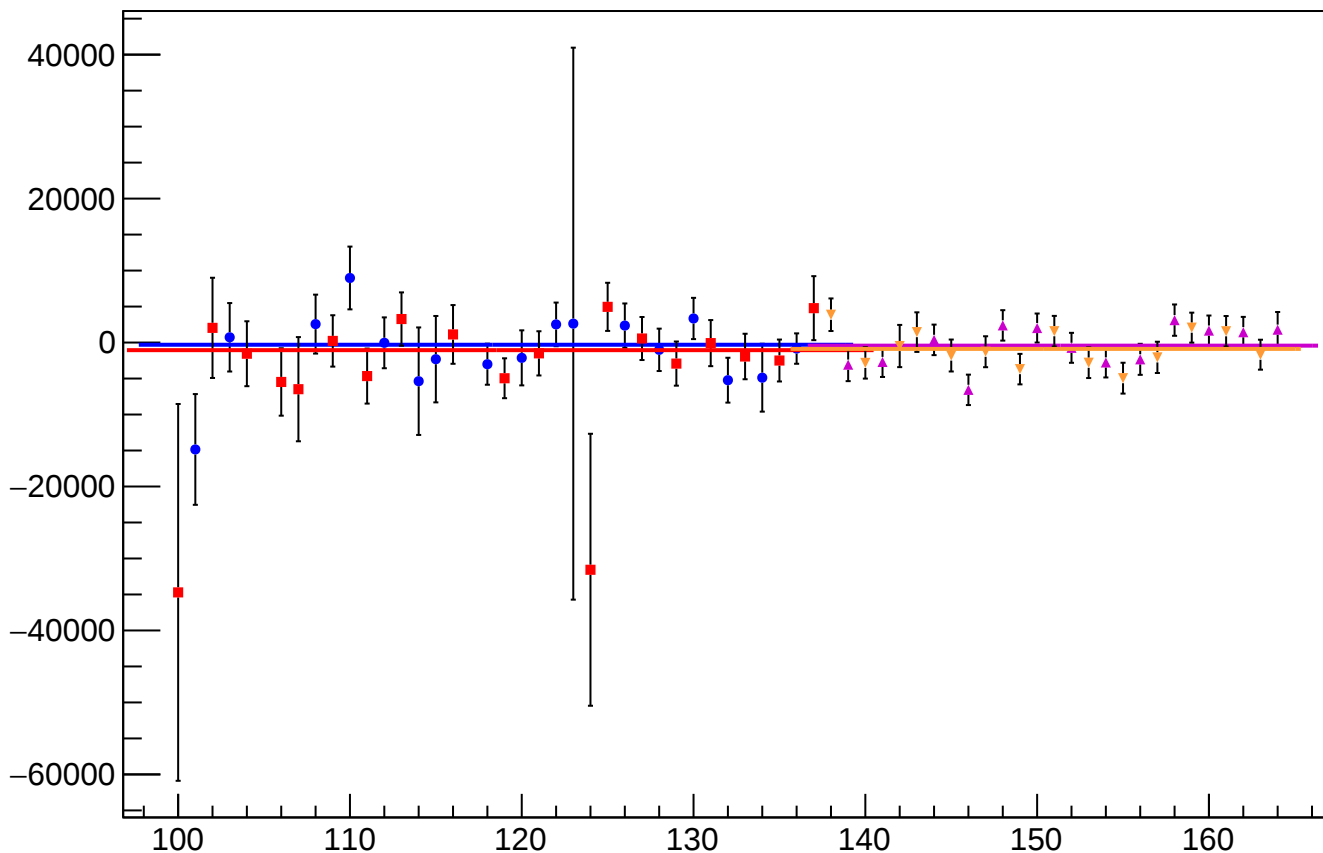
Right: 624.124 $\pm$ 0.134 χ^2 /NDF: 5065724.7/35

In: 488.002 $\pm$ 0.088 χ^2 /NDF: 3139922.6/29

Out: 493.792 $\pm$ 0.089 χ^2 /NDF: 3724000.4/32

All: 490.872 $\pm$ 0.063 χ^2 /NDF: 6866060.7/62

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -882.045+/-592.099 χ^2/NDF : 17.4/13

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

Left In: -430.664+/-593.546 χ^2/NDF : 21.6/12

Left: -656.906+/-419.188 χ^2/NDF : 39.4/26

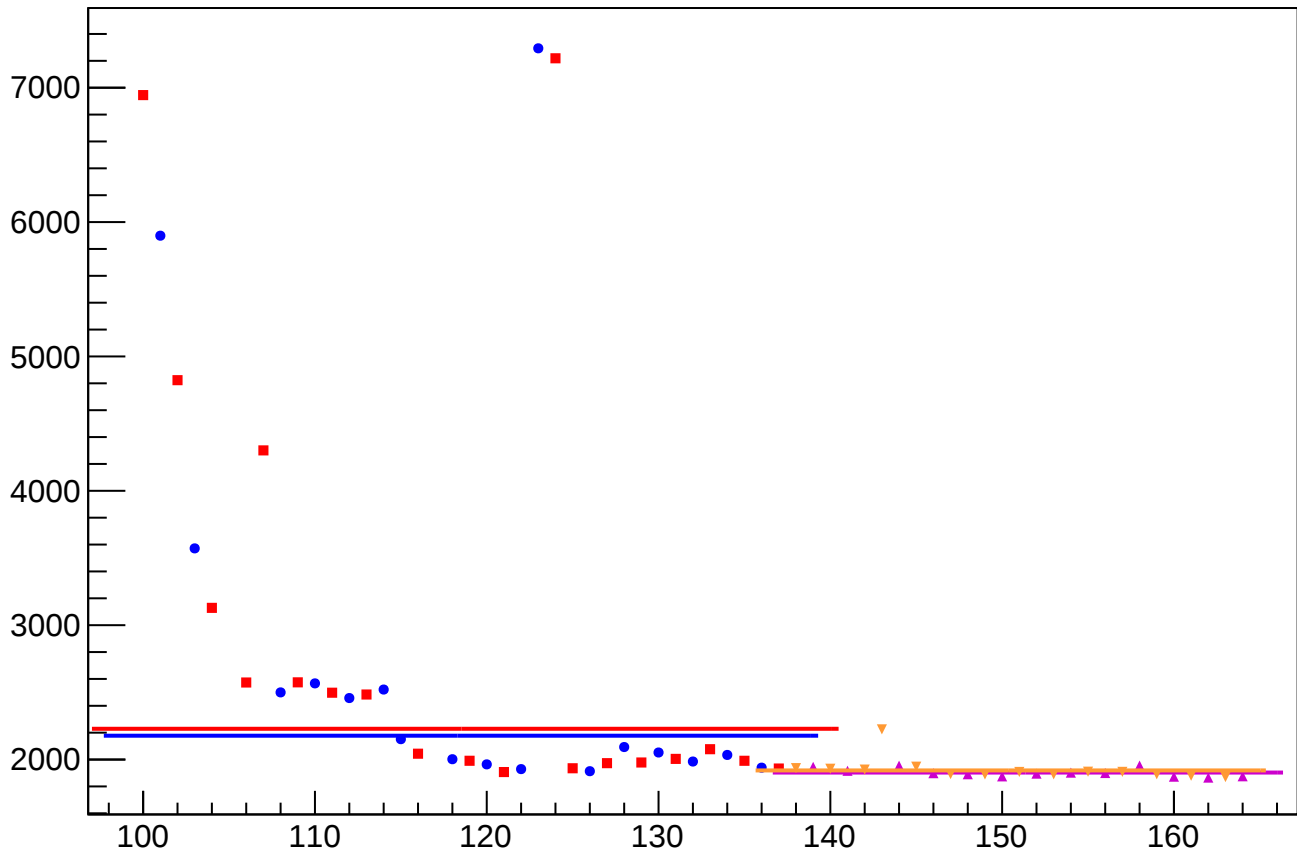
Right: -683.218+/-614.953 χ^2/NDF : 34.2/35

In: -391.097+/-490.652 χ^2/NDF : 38.8/29

Out: -937.605+/-489.035 χ^2/NDF : 34.1/32

All: -665.253+/-346.370 χ^2/NDF : 73.5/62

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1919.042 $\pm$ 0.419 χ^2 /NDF: 28691.9/13

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

Left In: 1903.275 $\pm$ 0.420 χ^2 /NDF: 4899.3/12

Left: 1911.178 $\pm$ 0.296 χ^2 /NDF: 34298.6/26

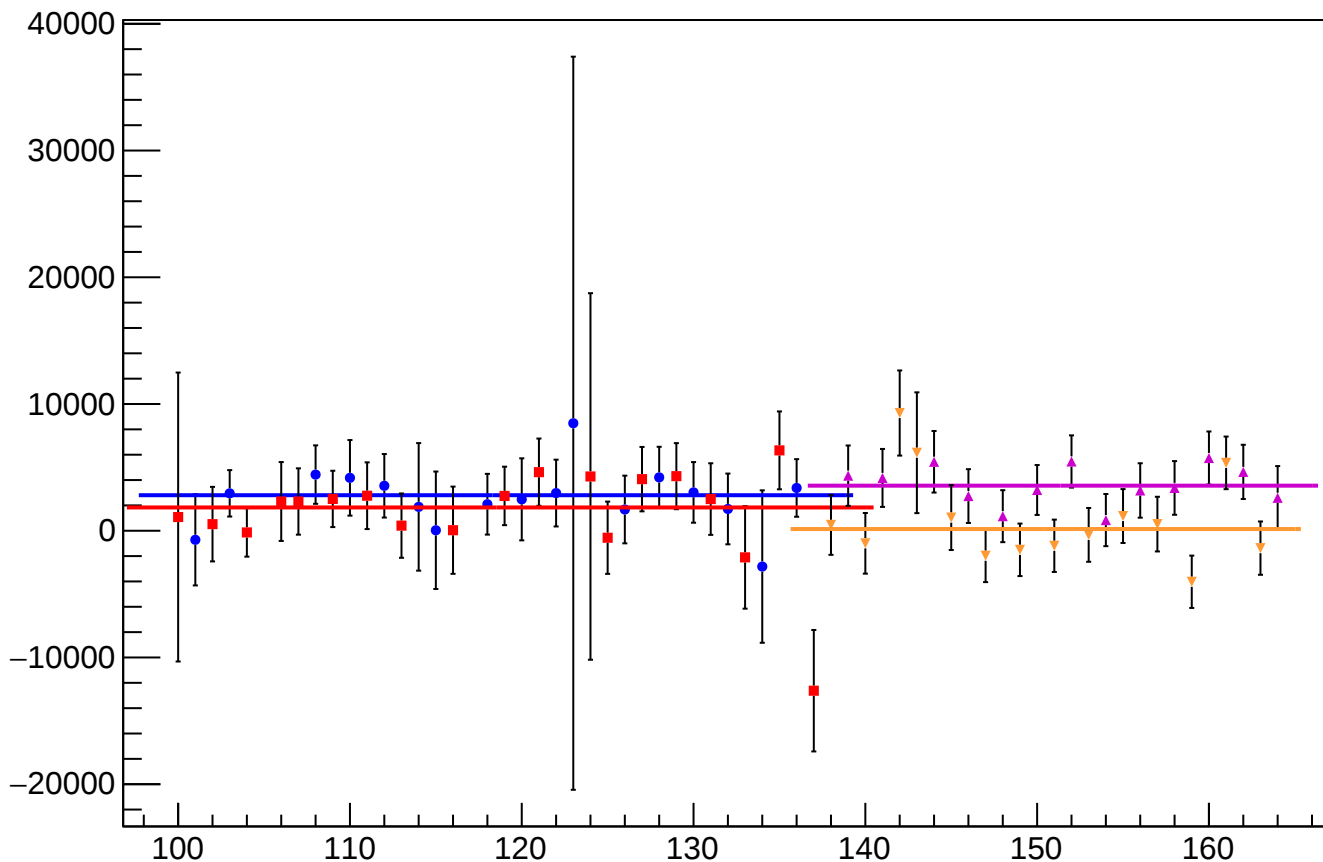
Right: 2203.363 $\pm$ 0.435 χ^2 /NDF: 1702161.6/35

In: 1990.094 $\pm$ 0.347 χ^2 /NDF: 942867.5/29

Out: 2017.561 $\pm$ 0.346 χ^2 /NDF: 1098714.9/32

All: 2003.873 $\pm$ 0.245 χ^2 /NDF: 2044726.7/62

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 135.870 $\pm$ 609.967 χ^2 /NDF: 22.7/13

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

Left In: 3557.252 $\pm$ 600.526 χ^2 /NDF: 6.5/12

Left: 1873.245 $\pm$ 427.935 χ^2 /NDF: 45.1/26

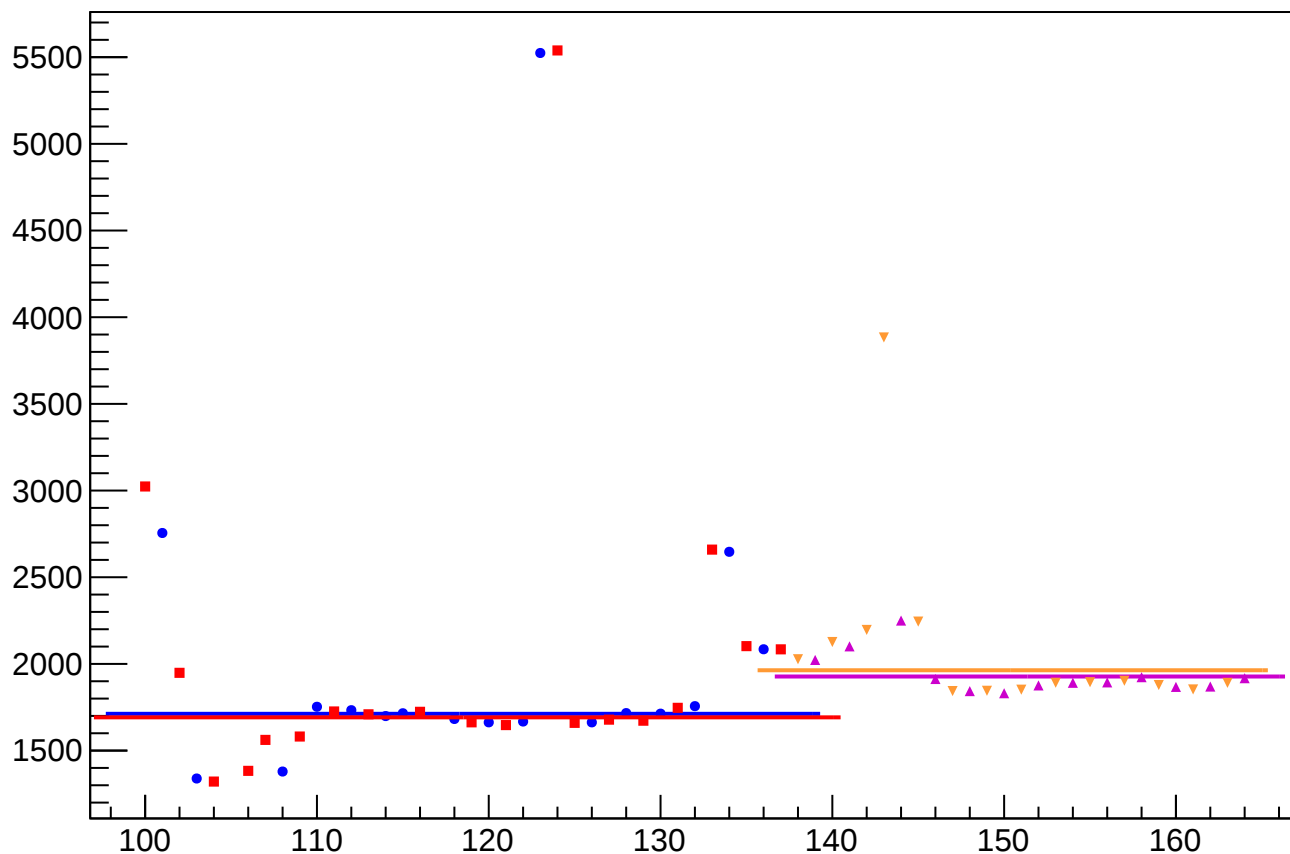
Right: 2303.702 $\pm$ 471.374 χ^2 /NDF: 23.0/35

In: 3226.367 $\pm$ 449.702 χ^2 /NDF: 11.1/29

Out: 925.633 $\pm$ 446.481 χ^2 /NDF: 44.3/32

All: 2067.729 $\pm$ 316.842 χ^2 /NDF: 68.6/62

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1963.365+/-0.431 χ^2/NDF : 405493.3/13

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

Left In: 1927.340+/-0.425 χ^2/NDF : 63880.8/12

Left: 1945.072+/-0.303 χ^2/NDF : 472916.6/26

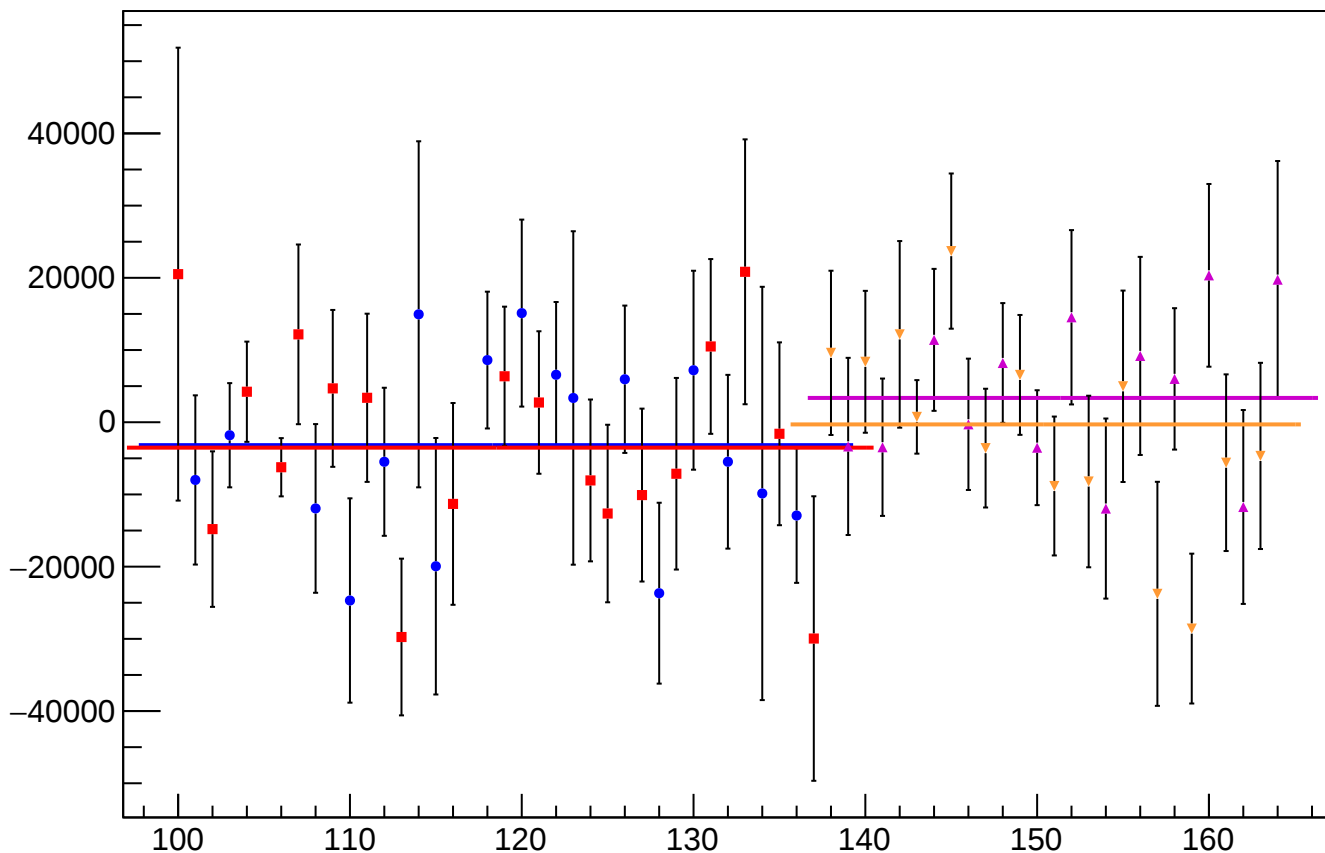
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1832.824+/-0.318 χ^2/NDF : 609153.1/29

Out: 1837.275+/-0.316 χ^2/NDF : 1044516.0/32

All: 1835.066+/-0.224 χ^2/NDF : 1653767.7/62

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: -301.067 $\pm$ 2579.082 χ^2 /NDF:19.7/13

Right Out: -3520.105 $\pm$ 2266.532 χ^2 /NDF: 19.5/18

Left In: 3365.918 $\pm$ 2948.740 χ^2 /NDF:9.4/12

Left: 1288.297 $\pm$ 1941.304 χ^2 /NDF: 30.0/26

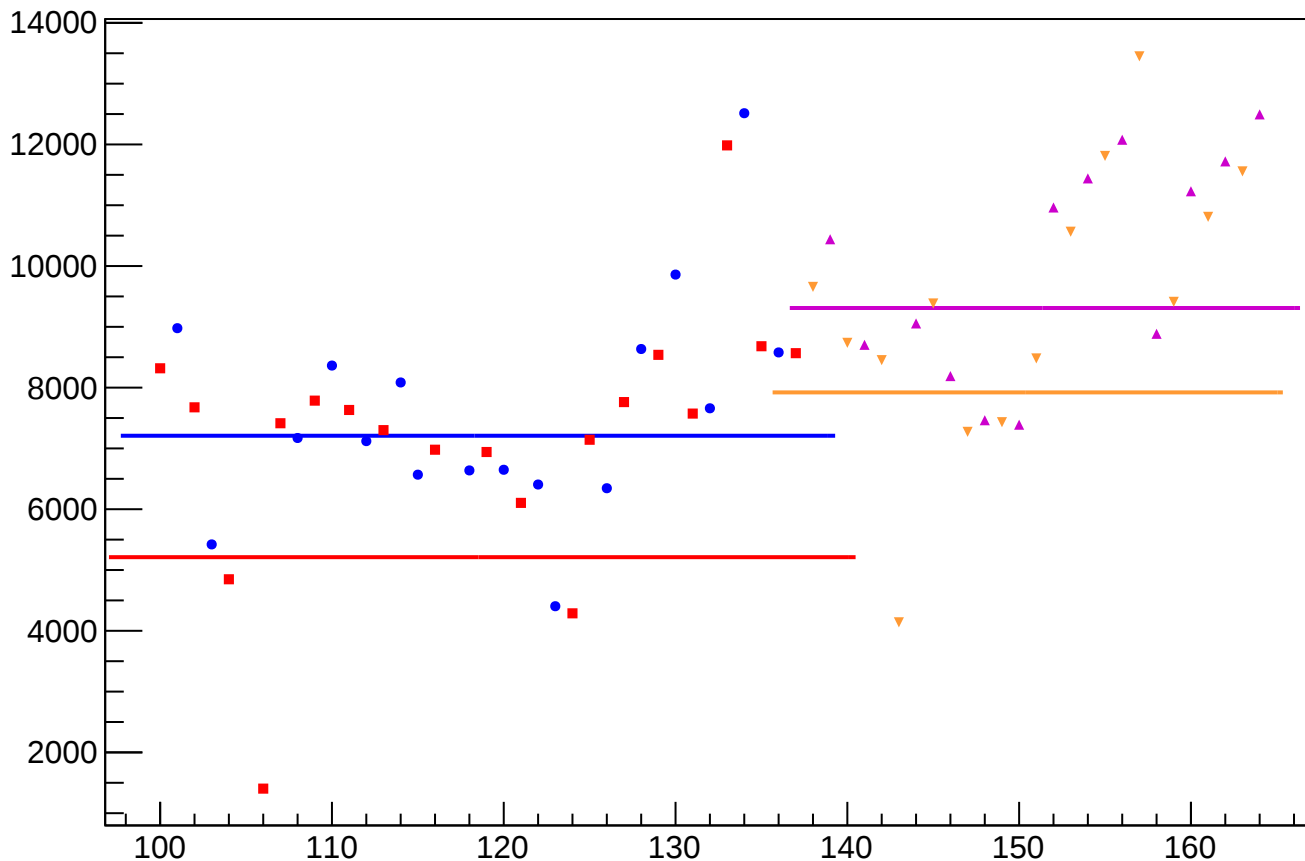
Right: -3385.836 $\pm$ 1774.424 χ^2 /NDF: 33.9/35

In: -12.709 $\pm$ 2050.009 χ^2 /NDF:26.3/29

Out: -2117.359 $\pm$ 1702.518 χ^2 /NDF:40.1/32

All: -1258.272 $\pm$ 1309.738 χ^2 /NDF: 67.1/62

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 7921.462 $\pm$ 1.824 χ^2 /NDF: 2067160.5/13

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

Left In: 9309.804 $\pm$ 2.085 χ^2 /NDF: 639092.0/12

Left: 8523.205 $\pm$ 1.373 χ^2 /NDF: 2957445.3/26

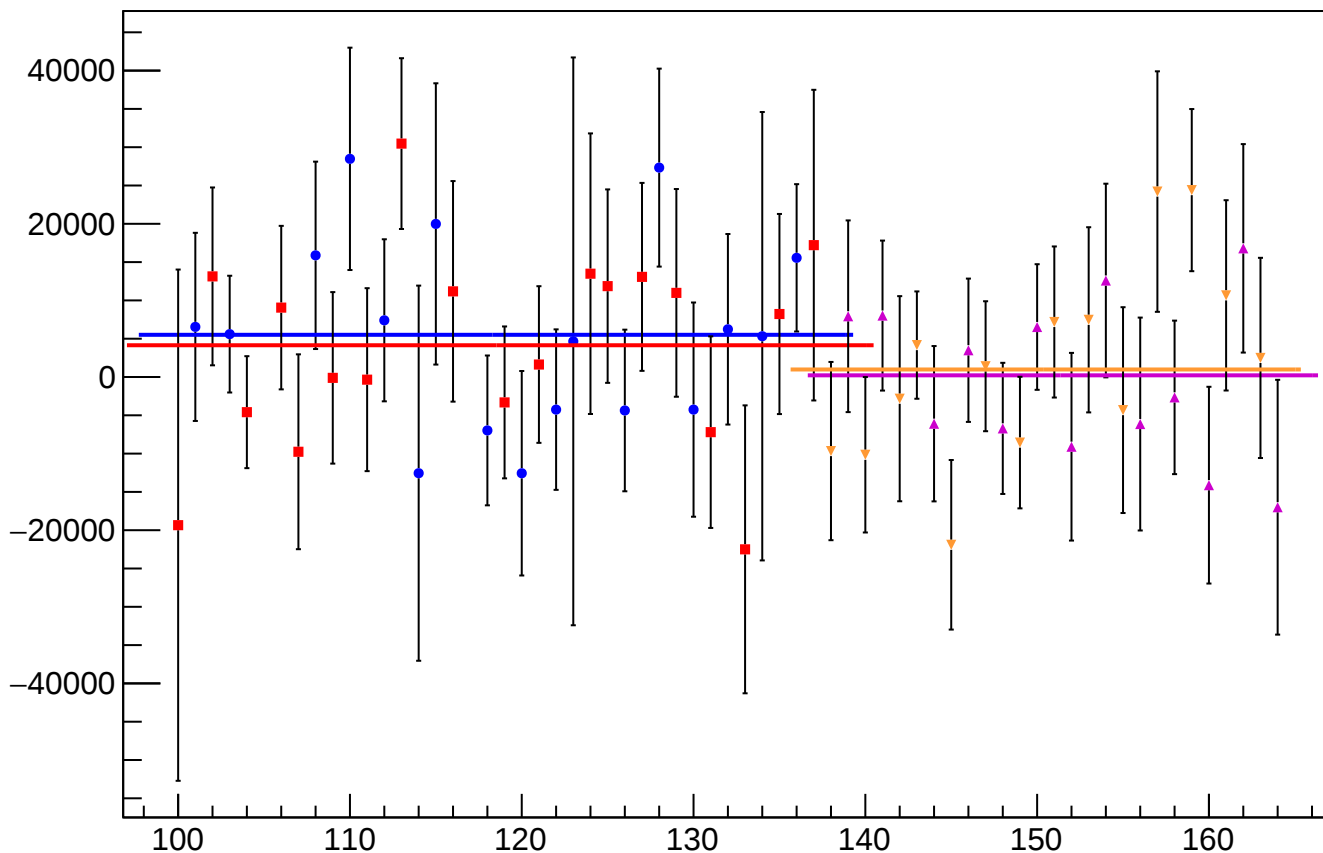
Right: 5984.369 $\pm$ 1.255 χ^2 /NDF: 4267414.1/35

In: 8224.146 $\pm$ 1.450 χ^2 /NDF: 1633111.0/29

Out: 6392.232 $\pm$ 1.204 χ^2 /NDF: 6510226.2/32

All: 7139.992 $\pm$ 0.926 χ^2 /NDF: 9088517.3/62

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 982.652 $\pm$ 2809.890 χ^2/NDF : 16.4/13

Right Out: 4146.067 $\pm$ 2790.212 χ^2/NDF : 15.4/18

Left In: 218.753 $\pm$ 3020.153 χ^2/NDF : 8.4/12

Left: 628.217 $\pm$ 2057.213 χ^2/NDF : 24.8/26

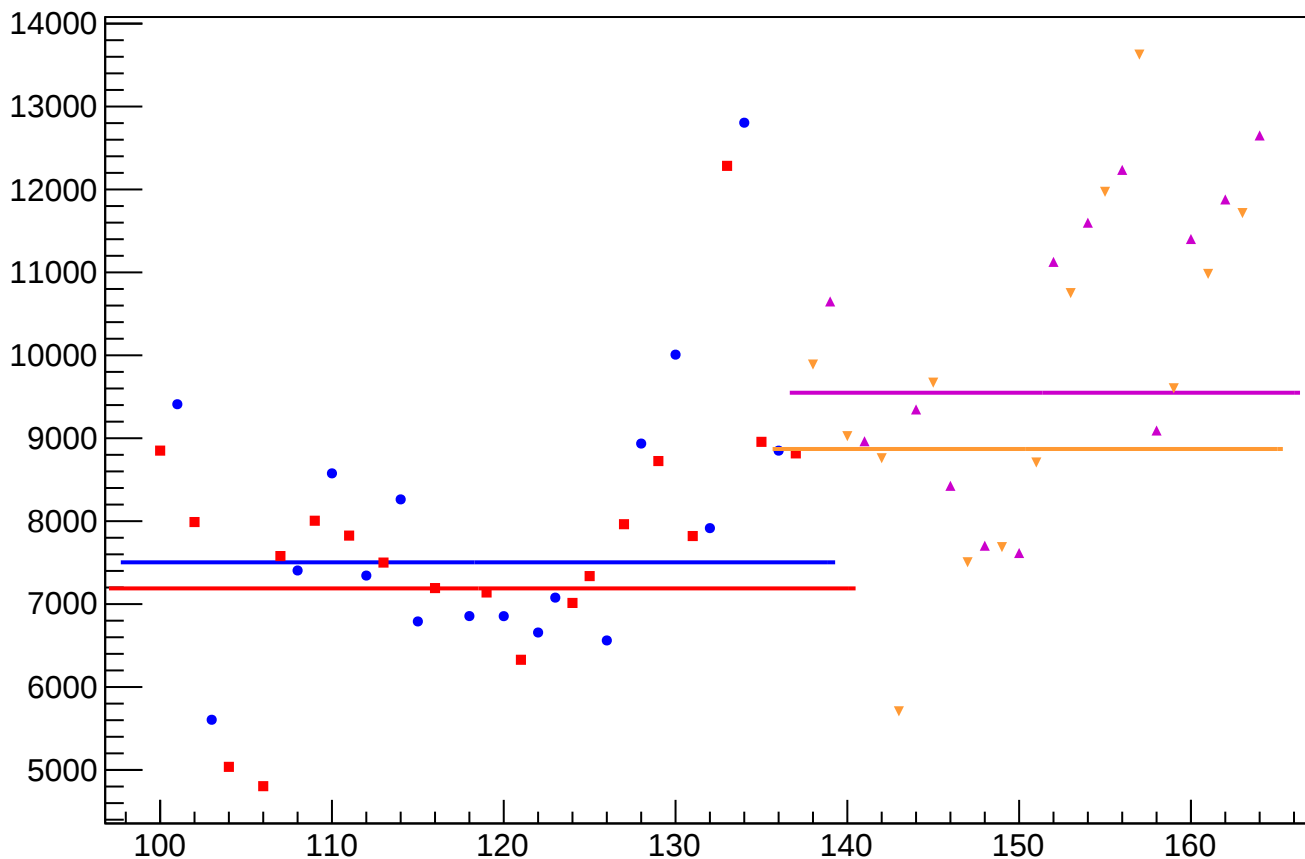
Right: 4784.984 $\pm$ 2033.900 χ^2/NDF : 29.6/35

In: 2907.447 $\pm$ 2117.991 χ^2/NDF : 24.0/29

Out: 2575.475 $\pm$ 1979.898 χ^2/NDF : 32.4/32

All: 2730.287 $\pm$ 1446.356 χ^2/NDF : 56.5/62

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 8870.425+/-1.987 χ^2/NDF : 1025118.2/13

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

Left In: 9548.737+/-2.136 χ^2/NDF : 590892.0/12

Left: 9185.149+/-1.455 χ^2/NDF : 1670087.0/26

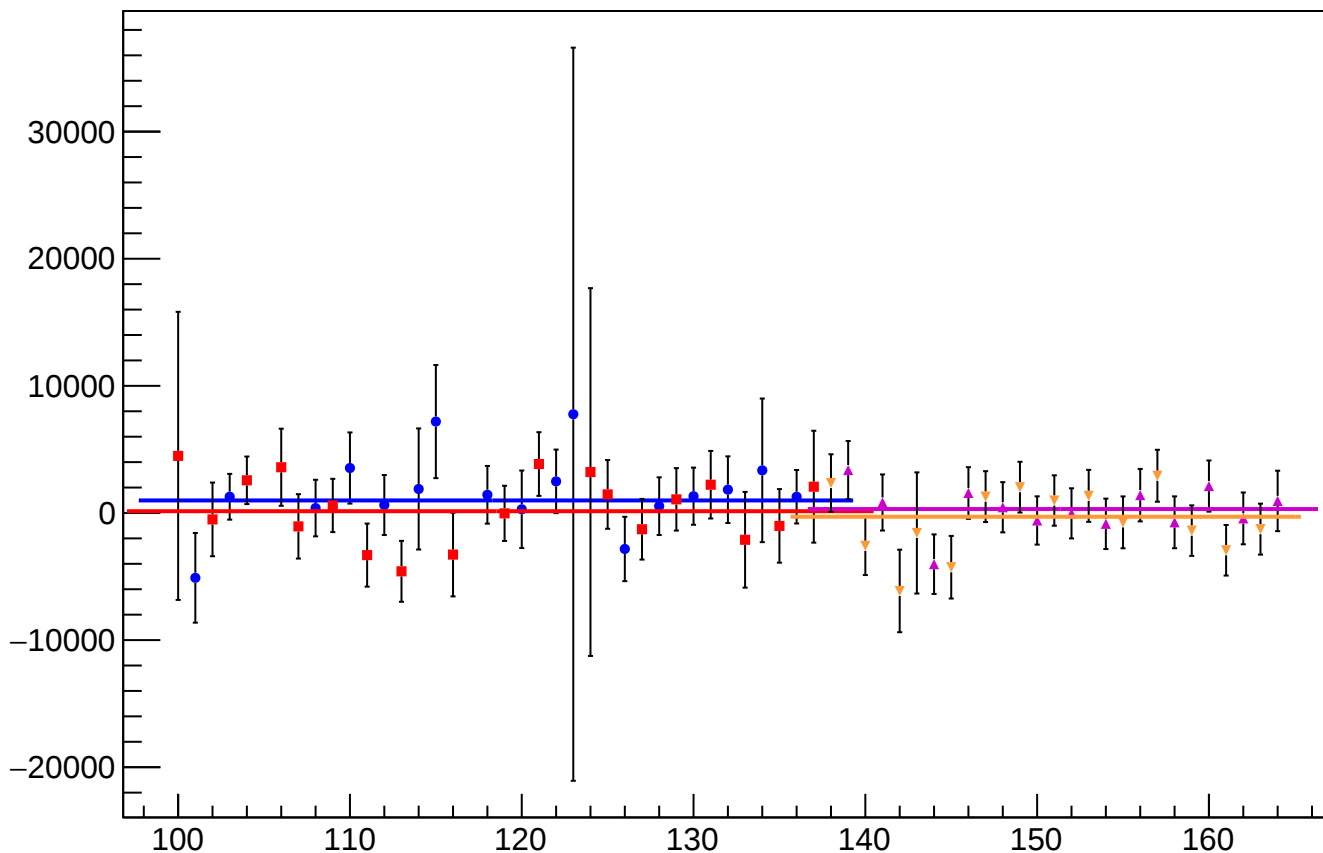
Right: 7336.574+/-1.438 χ^2/NDF : 996921.9/35

In: 8509.410+/-1.498 χ^2/NDF : 1484255.6/29

Out: 8023.813+/-1.400 χ^2/NDF : 1943362.0/32

All: 8250.254+/-1.023 χ^2/NDF : 3483726.4/62

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -296.769+/-585.525 χ^2/NDF :16.1/13

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

Left In: 308.455+/-576.791 χ^2/NDF :7.8/12

Left: 10.390+/-410.906 χ^2/NDF : 24.5/26

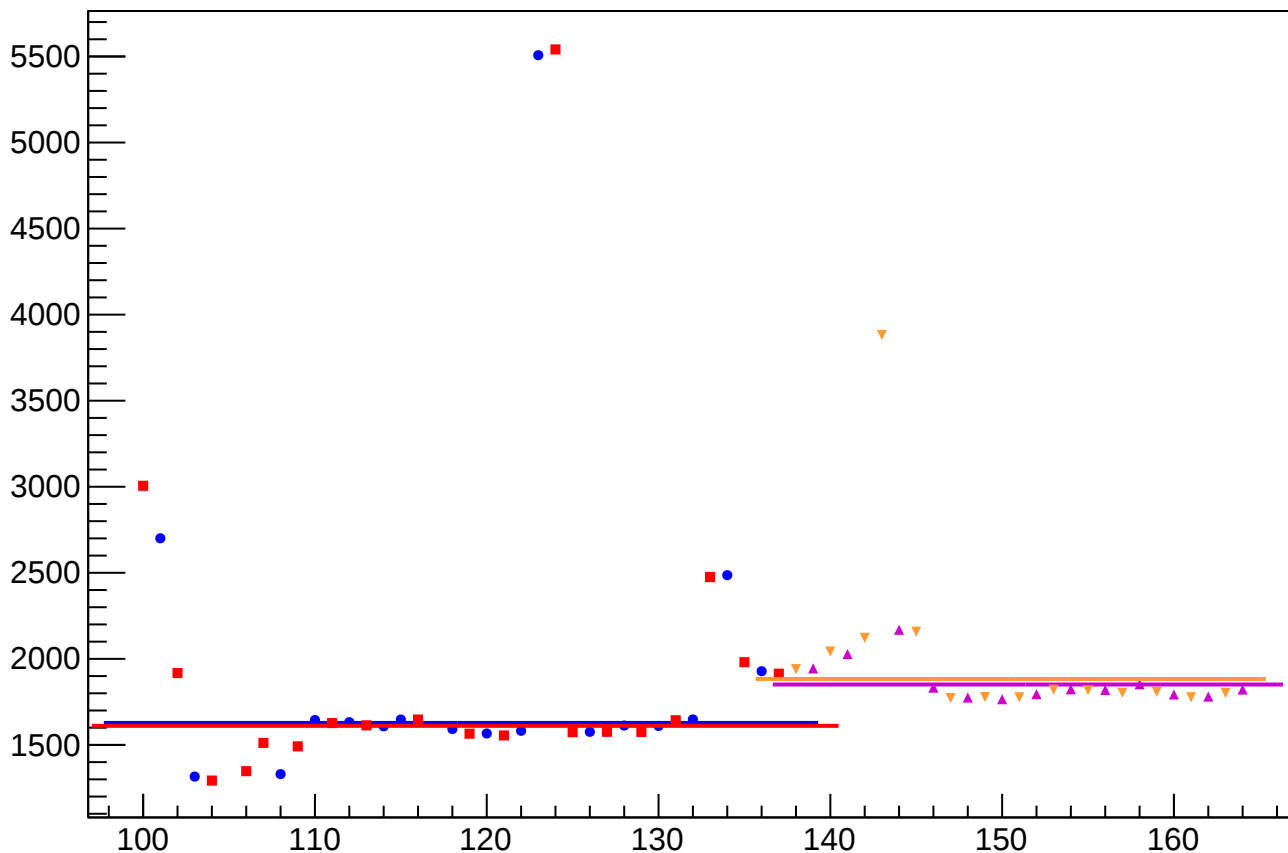
Right: 547.971+/-448.185 χ^2/NDF : 24.6/35

In: 609.468+/-429.843 χ^2/NDF :17.5/29

Out: -92.752+/-426.840 χ^2/NDF :31.1/32

All: 255.897+/-302.878 χ^2/NDF : 49.9/62

reg_asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 1883.316 $\pm$ 0.414 χ^2 /NDF: 434998.8/13

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

Left In: 1851.017 $\pm$ 0.408 χ^2 /NDF: 67063.5/12

Left: 1866.924 $\pm$ 0.291 χ^2 /NDF: 505150.9/26

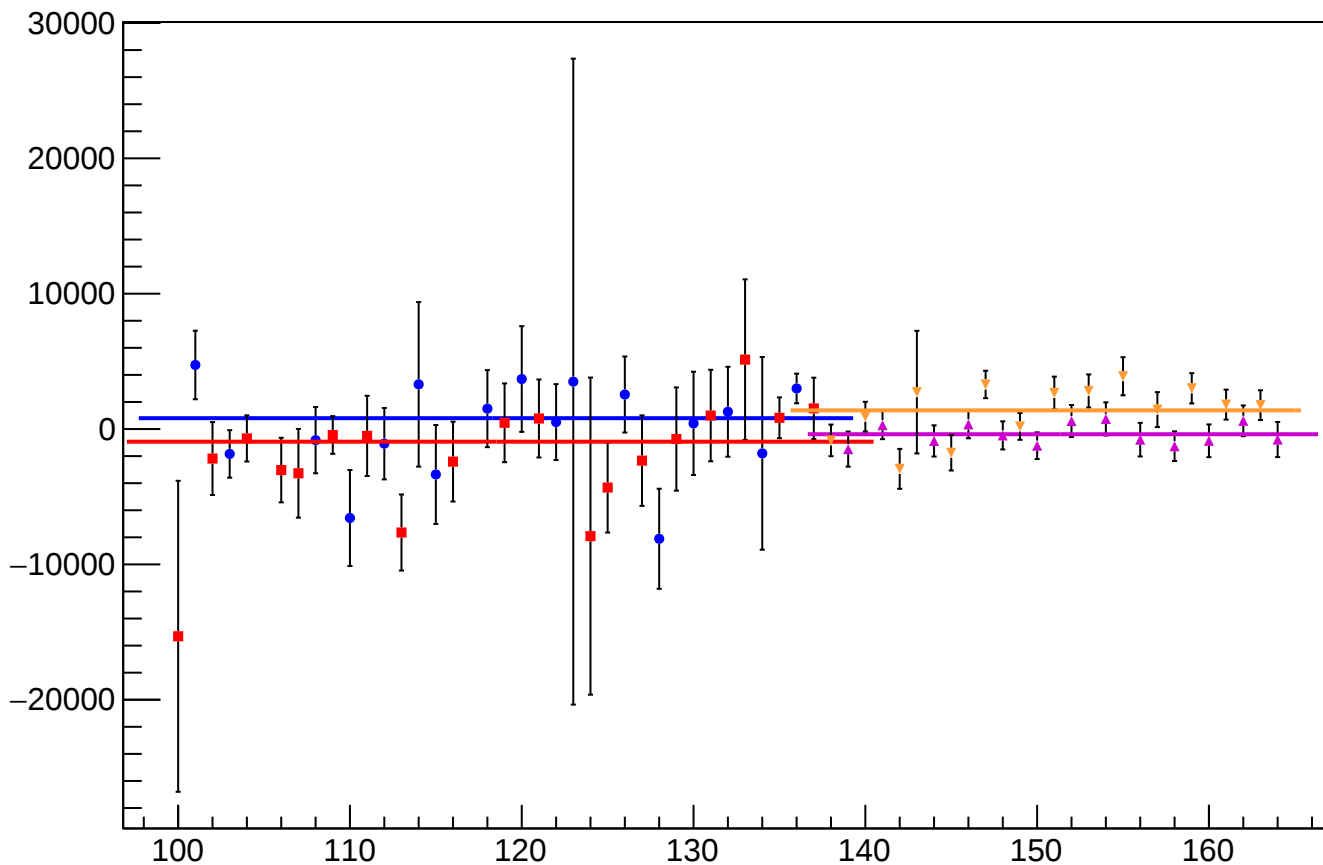
Right: 1619.112 $\pm$ 0.317 χ^2 /NDF: 841776.5/35

In: 1751.784 $\pm$ 0.304 χ^2 /NDF: 607309.2/29

Out: 1755.690 $\pm$ 0.302 χ^2 /NDF: 1071742.5/32

All: 1753.751 $\pm$ 0.214 χ^2 /NDF: 1679134.9/62

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 1379.750 $\pm$ 323.325 χ^2 /NDF:31.3/13

Right Out: -933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

Left In: -383.123 $\pm$ 314.760 χ^2 /NDF:5.9/12

Left: 474.655 $\pm$ 225.536 χ^2 /NDF: 52.5/26

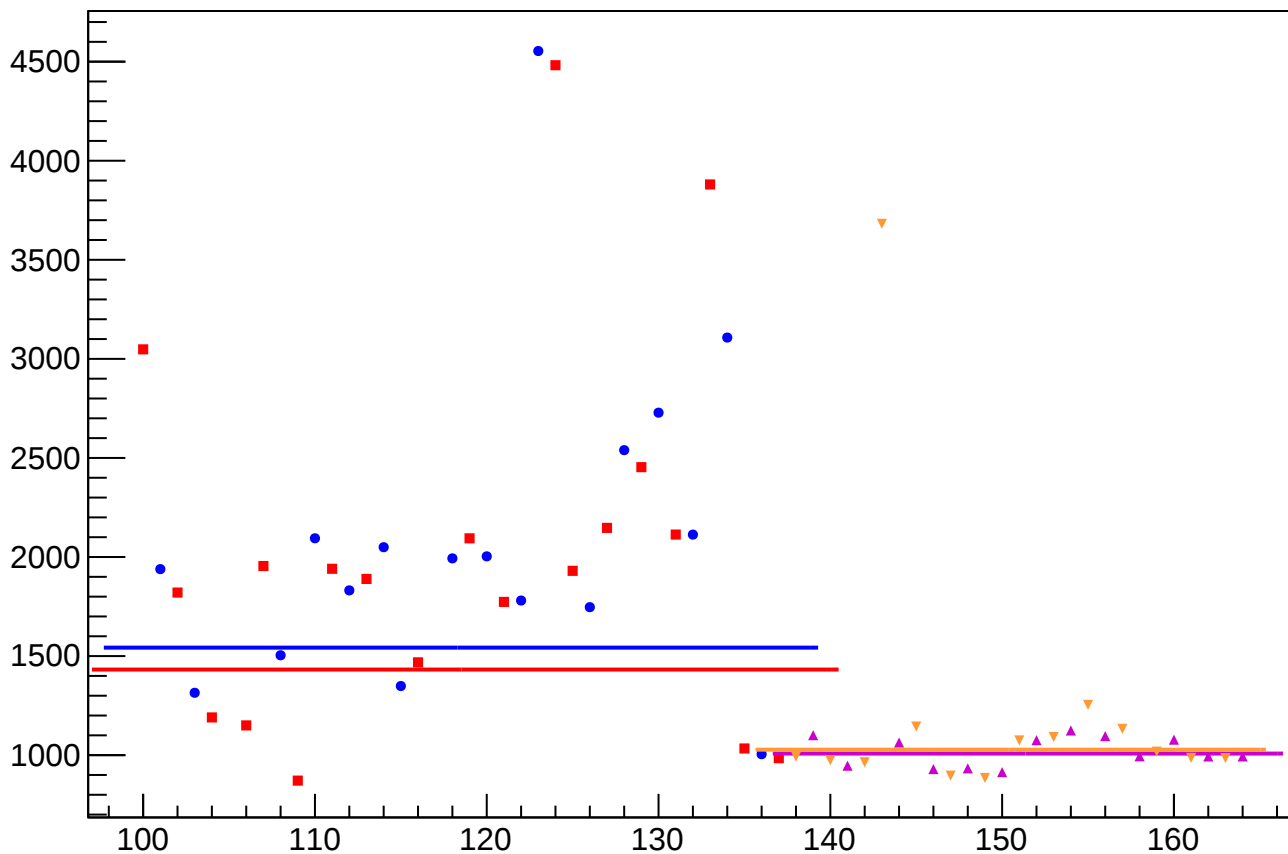
Right: -124.875 $\pm$ 431.067 χ^2 /NDF: 41.7/35

In: -147.184 $\pm$ 281.722 χ^2 /NDF:31.1/29

Out: 845.080 $\pm$ 283.510 χ^2 /NDF:58.4/32

All: 345.809 $\pm$ 199.837 χ^2 /NDF: 95.7/62

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1027.622 $\pm$ 0.229 χ^2 /NDF: 867144.9/13

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

Left In: 1007.977 $\pm$ 0.223 χ^2 /NDF: 104056.7/12

Left: 1017.536 $\pm$ 0.159 χ^2 /NDF: 974992.1/26

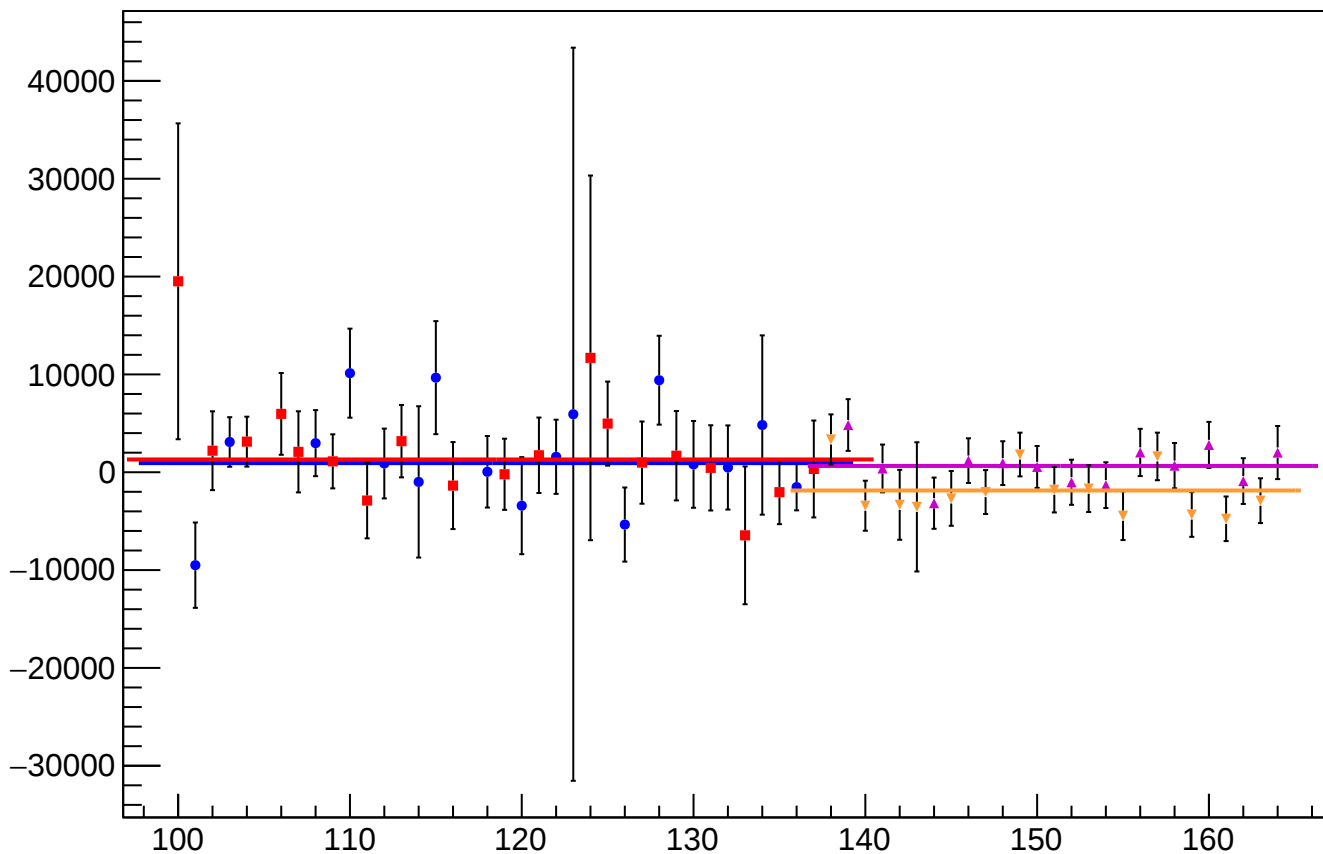
Right: 1483.562 $\pm$ 0.305 χ^2 /NDF: 3144570.0/35

In: 1114.339 $\pm$ 0.199 χ^2 /NDF: 2540126.8/29

Out: 1121.084 $\pm$ 0.200 χ^2 /NDF: 3414041.6/32

All: 1117.691 $\pm$ 0.141 χ^2 /NDF: 5954738.0/62

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -1863.443 ± 674.296 χ^2/NDF : 13.7/13

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

Left In: 643.419 ± 660.069 χ^2/NDF : 7.8/12

Left: -583.288 ± 471.689 χ^2/NDF : 28.5/26

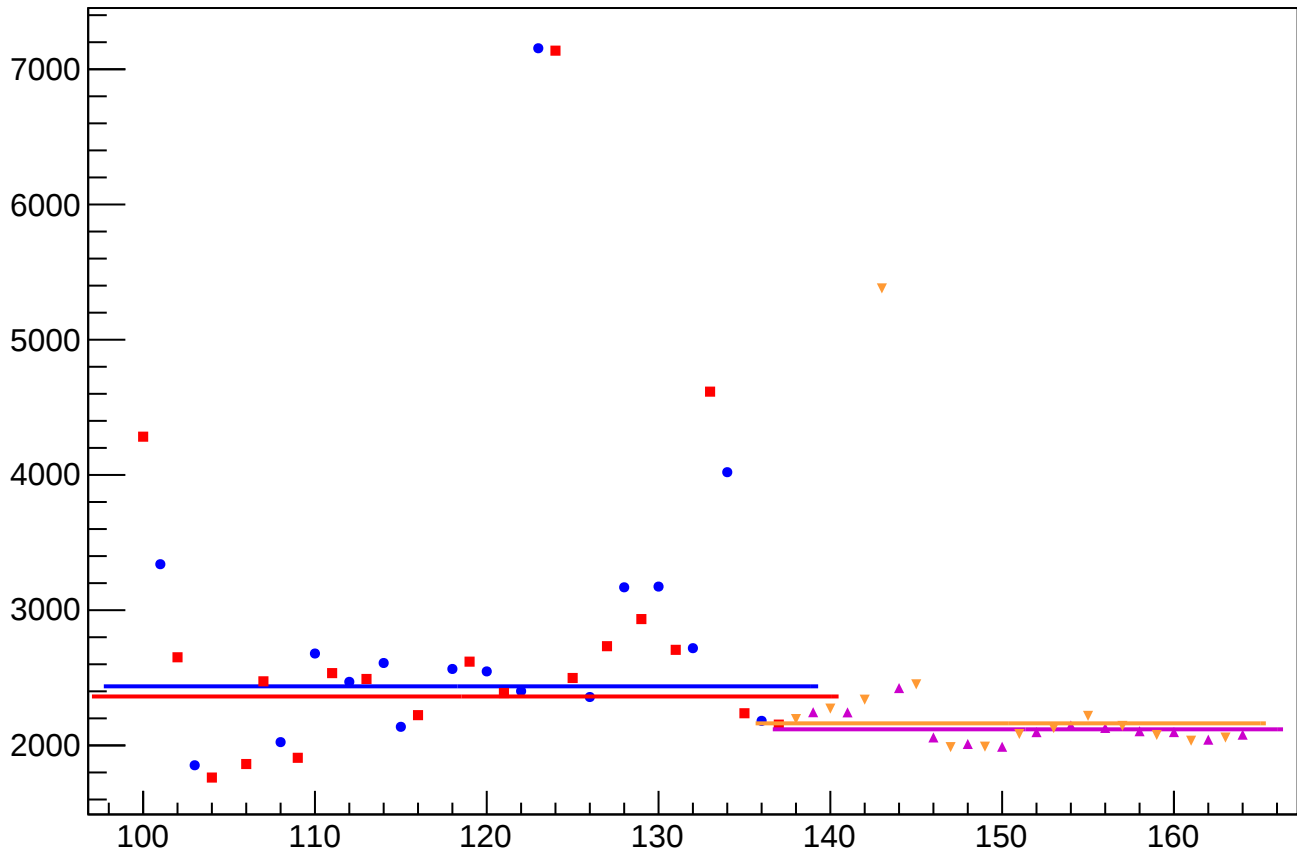
Right: 1128.728 ± 668.896 χ^2/NDF : 30.2/35

In: 735.280 ± 545.338 χ^2/NDF : 29.5/29

Out: -763.665 ± 544.972 χ^2/NDF : 29.8/32

All: -14.696 ± 385.483 χ^2/NDF : 63.0/62

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855 $\pm$ 0.684 χ^2/NDF : 469030.2/16

Left Out: 2163.173 $\pm$ 0.477 χ^2/NDF : 545894.4/13

Right Out: 2361.880 $\pm$ 0.654 χ^2/NDF : 655847.5/18

Left In: 2118.979 $\pm$ 0.467 χ^2/NDF : 53626.6/12

Left: 2140.605 $\pm$ 0.334 χ^2/NDF : 603908.3/26

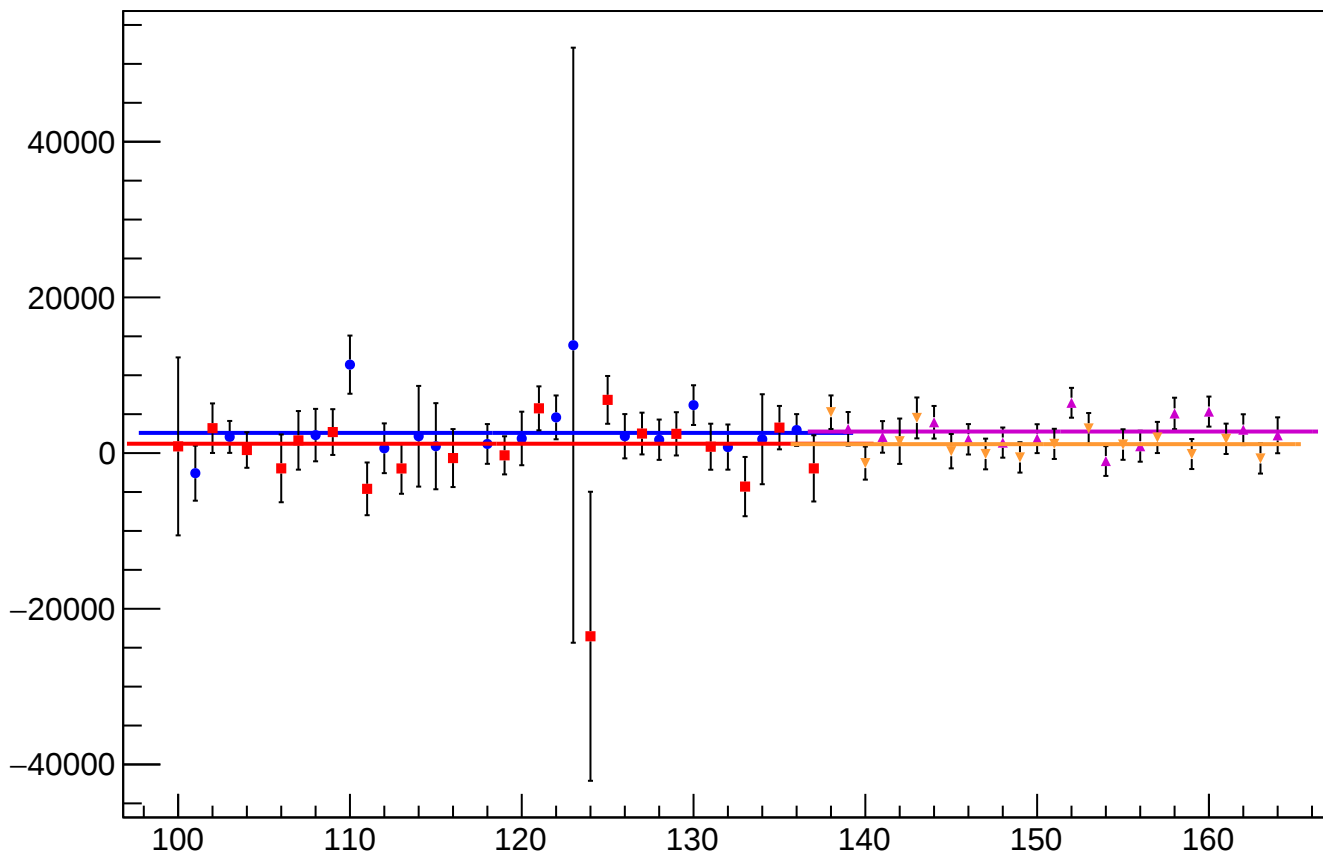
Right: 2397.684 $\pm$ 0.473 χ^2/NDF : 1131146.9/35

In: 2219.879 $\pm$ 0.386 χ^2/NDF : 669889.2/29

Out: 2232.084 $\pm$ 0.385 χ^2/NDF : 1261975.0/32

All: 2225.986 $\pm$ 0.273 χ^2/NDF : 1932365.4/62

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1148.769 $\pm$ 554.529 χ^2 /NDF:10.6/13

Right Out: 1202.548 $\pm$ 739.618 χ^2 /NDF: 17.2/18

Left In: 2767.920 $\pm$ 553.939 χ^2 /NDF:13.2/12

Left: 1959.206 $\pm$ 391.902 χ^2 /NDF: 28.1/26

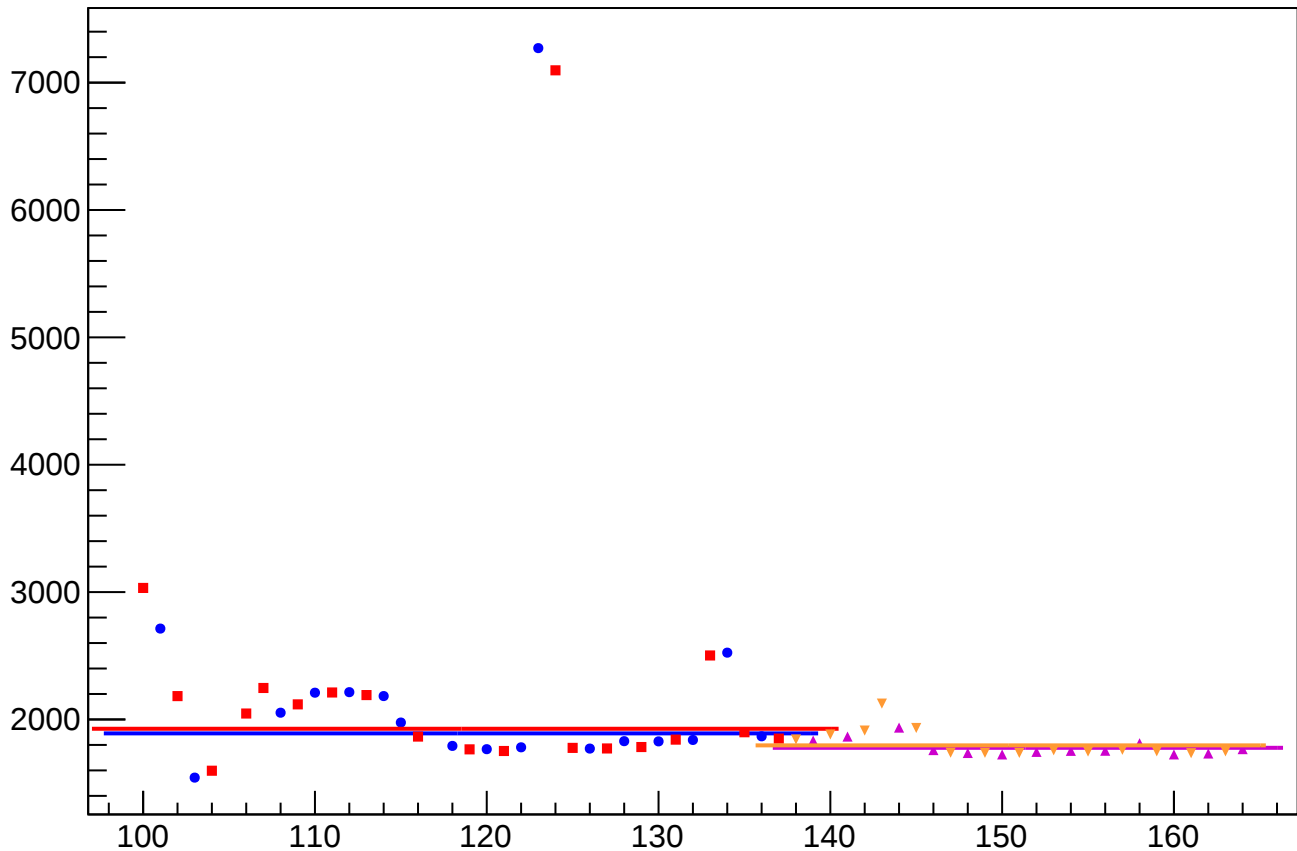
Right: 1895.439 $\pm$ 524.180 χ^2 /NDF: 30.7/35

In: 2706.030 $\pm$ 444.099 χ^2 /NDF:24.9/29

Out: 1168.121 $\pm$ 443.676 χ^2 /NDF:27.8/32

All: 1936.342 $\pm$ 313.876 χ^2 /NDF: 58.7/62

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1796.535+/-0.392 χ^2/NDF : 58547.2/13

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

Left In: 1777.386+/-0.392 χ^2/NDF : 23526.7/12

Left: 1786.950+/-0.277 χ^2/NDF : 83267.8/26

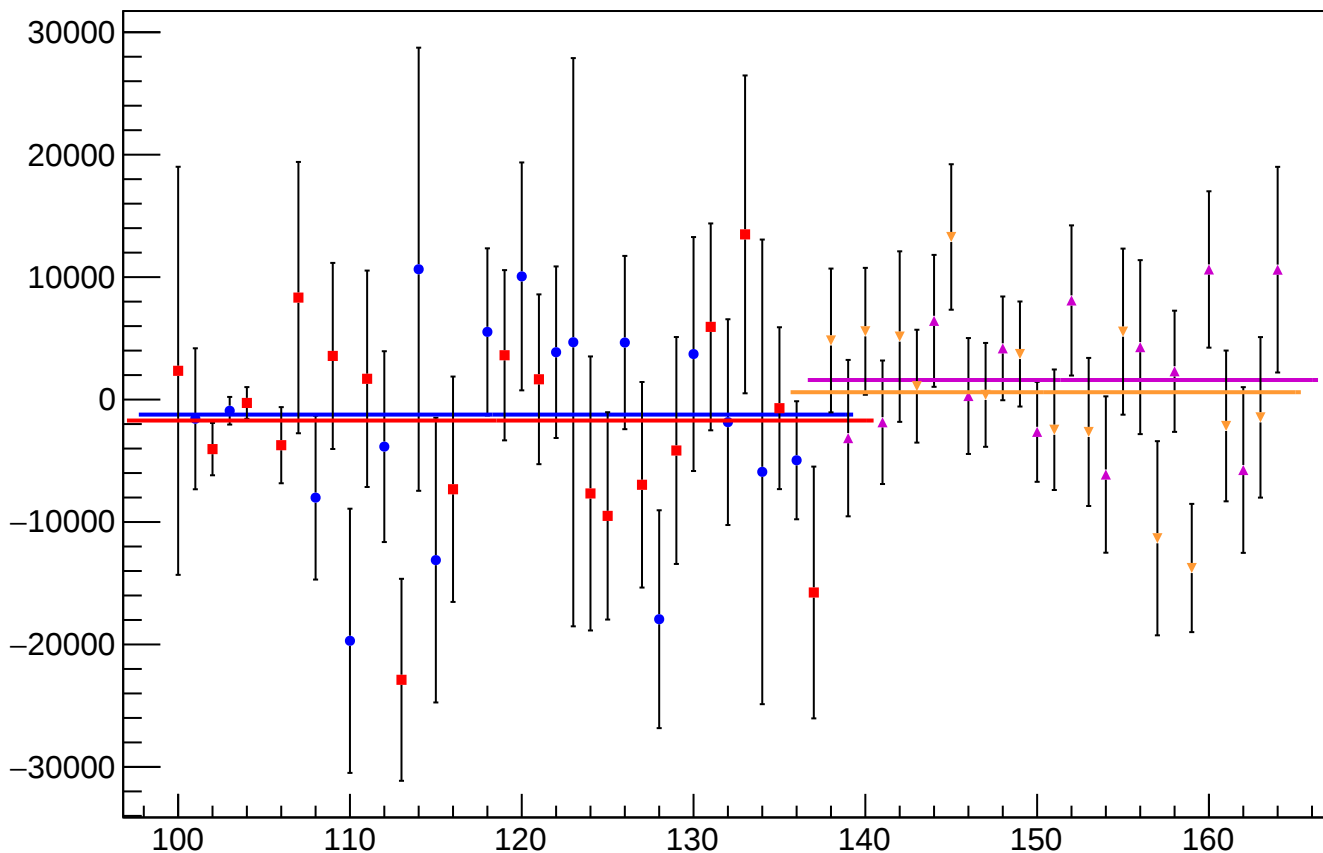
Right: 1908.946+/-0.370 χ^2/NDF : 653591.4/35

In: 1817.876+/-0.314 χ^2/NDF : 342382.0/29

Out: 1843.559+/-0.314 χ^2/NDF : 460687.6/32

All: 1830.737+/-0.222 χ^2/NDF : 806419.2/62

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 601.122 $\pm$ 1467.052 χ^2 /NDF:18.2/13

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

Left In: 1598.425 $\pm$ 1523.204 χ^2 /NDF:10.4/12

Left: 1081.052 $\pm$ 1056.656 χ^2 /NDF: 28.9/26

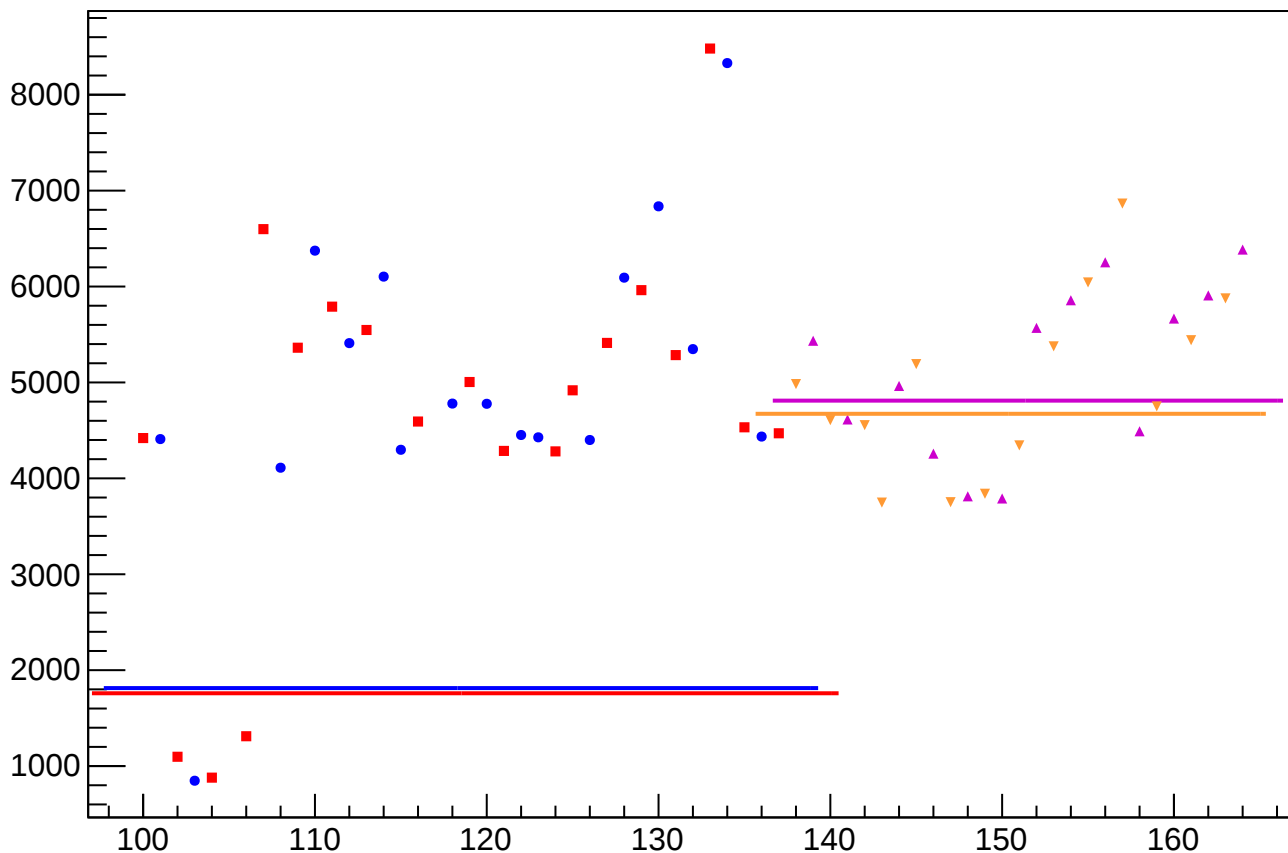
Right: -1480.155 $\pm$ 680.499 χ^2 /NDF: 31.8/35

In: -394.287 $\pm$ 826.891 χ^2 /NDF:26.7/29

Out: -1036.968 $\pm$ 792.411 χ^2 /NDF:37.8/32

All: -729.306 $\pm$ 572.120 χ^2 /NDF: 64.8/62

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4673.048+/-1.037 χ^2/NDF : 641702.4/13

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

Left In: 4810.386+/-1.077 χ^2/NDF : 620959.1/12

Left: 4739.139+/-0.747 χ^2/NDF : 1271096.2/26

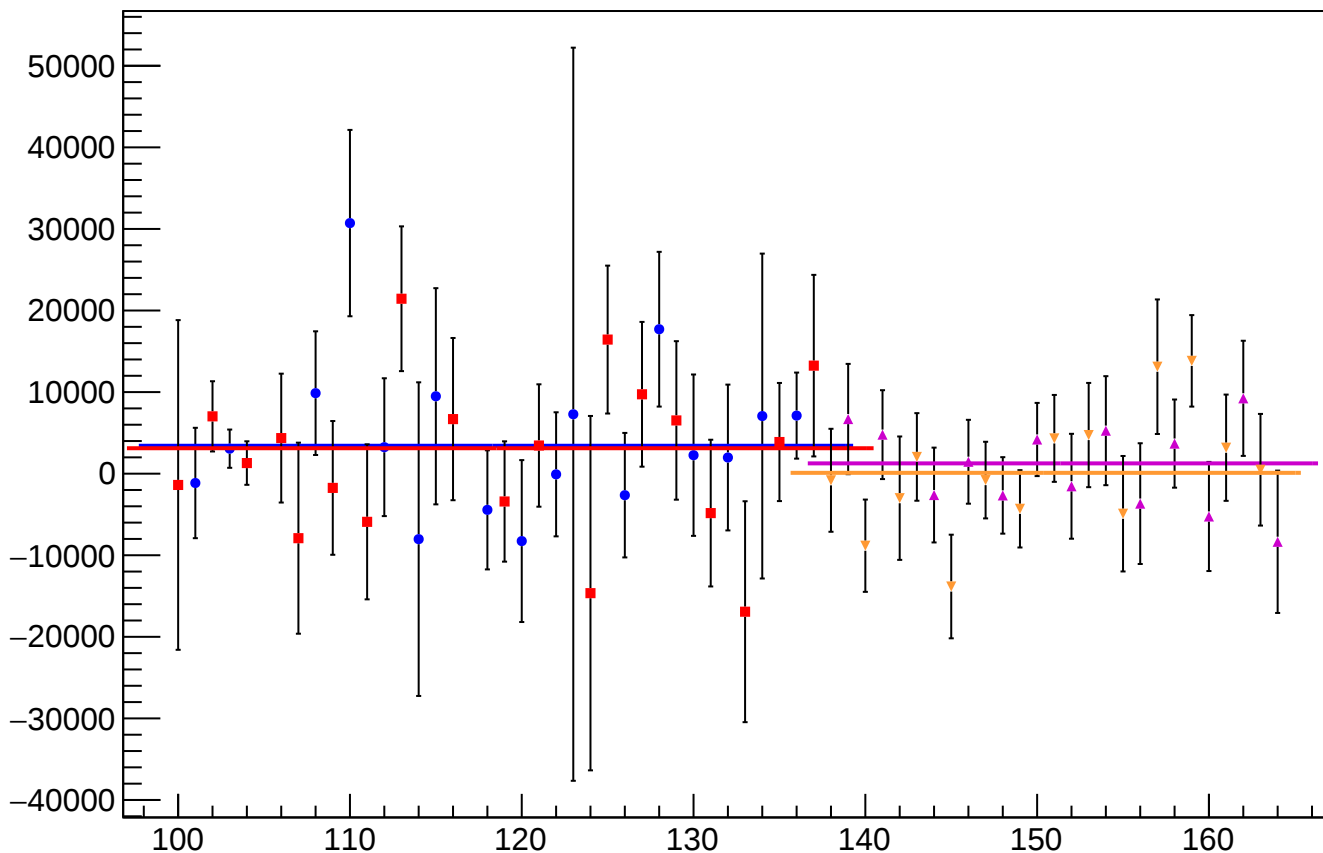
Right: 1784.958+/-0.481 χ^2/NDF : 12765256.3/35

In: 2696.467+/-0.585 χ^2/NDF : 12531556.7/29

Out: 2609.269+/-0.560 χ^2/NDF : 12543063.5/32

All: 2651.012+/-0.405 χ^2/NDF : 25086214.2/60

asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 102.336+/-1592.559 χ^2/NDF :18.9/13

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

Left In: 1262.250+/-1637.637 χ^2/NDF :7.3/12

Left: 666.110+/-1141.713 χ^2/NDF : 26.4/26

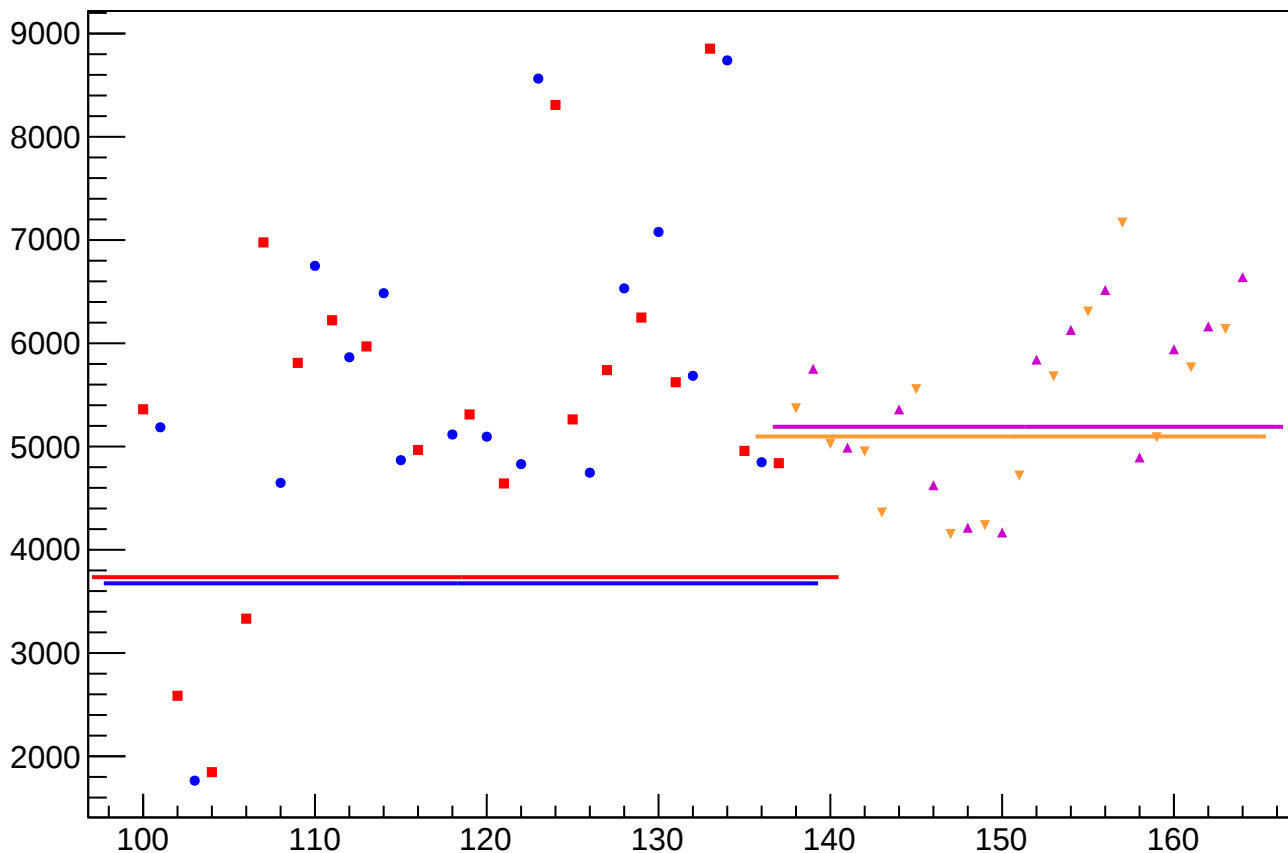
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2362.358+/-1146.882 χ^2/NDF :21.9/29

Out: 1597.491+/-1130.807 χ^2/NDF :36.7/32

All: 1974.526+/-805.224 χ^2/NDF : 58.8/62

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2/NDF : 2775085.7/16

Left Out: 5097.473 $\pm$ 1.126 χ^2/NDF : 478234.8/13

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

Left In: 5191.204 $\pm$ 1.158 χ^2/NDF : 481900.4/12

Left: 5143.031 $\pm$ 0.807 χ^2/NDF : 963502.4/26

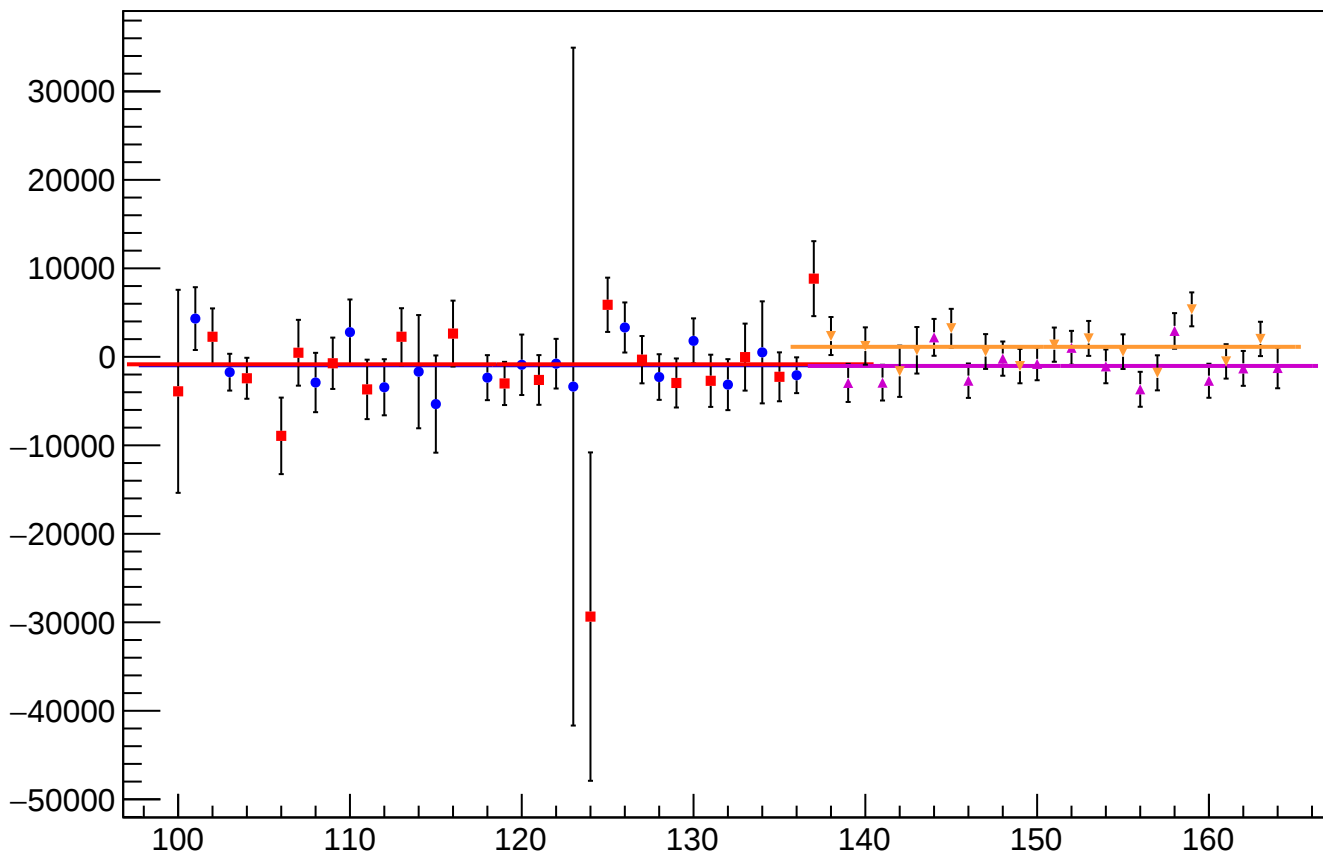
Right: 3705.112 $\pm$ 0.800 χ^2/NDF : 5470409.5/35

In: 4418.637 $\pm$ 0.811 χ^2/NDF : 4130537.1/29

Out: 4417.292 $\pm$ 0.797 χ^2/NDF : 3903062.2/32

All: 4417.952 $\pm$ 0.568 χ^2/NDF : 8033600.7/62

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left Out: 1131.753+/-552.183 χ^2/NDF :11.8/13

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

Left In: -1028.905+/-551.644 χ^2/NDF :12.6/12

Left: 50.369+/-390.262 χ^2/NDF : 32.1/26

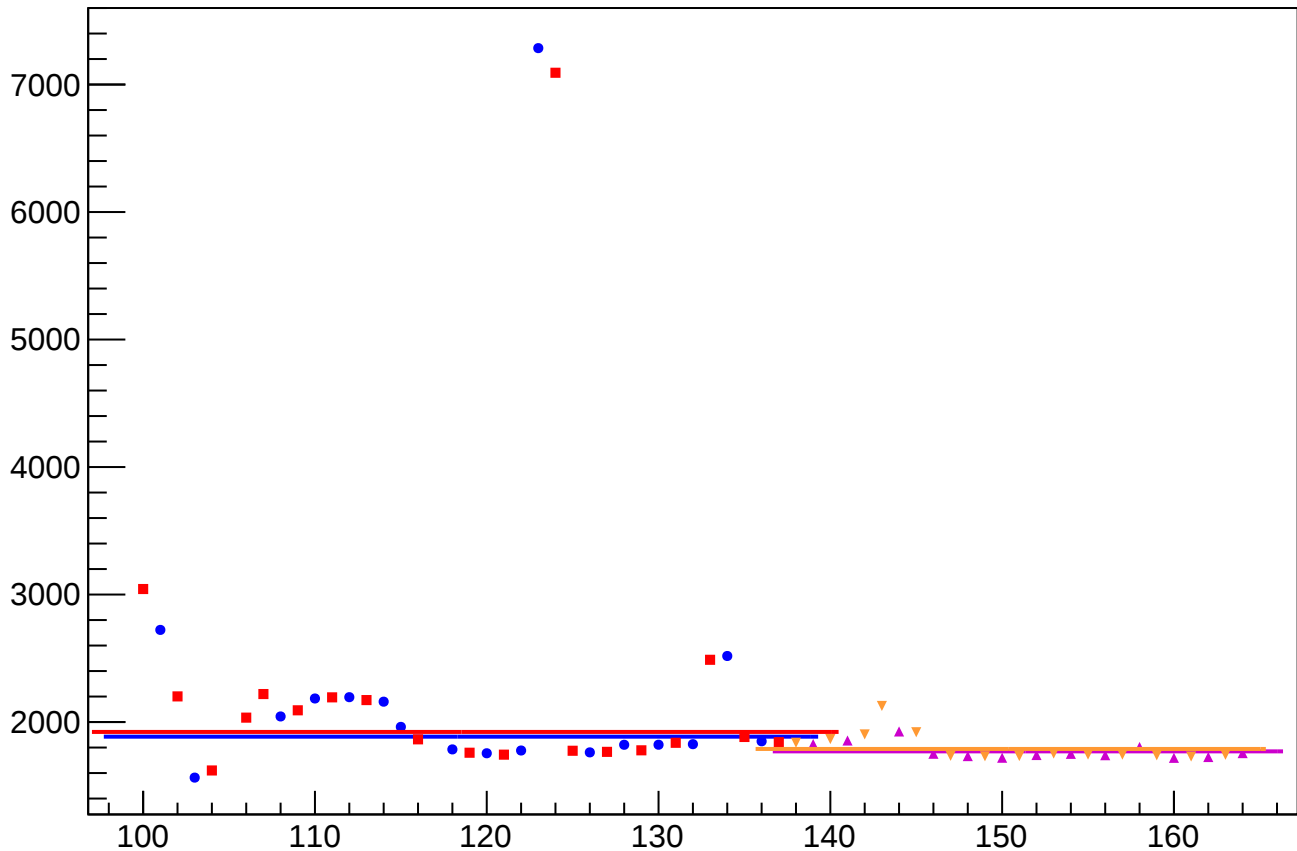
Right: -897.217+/-522.617 χ^2/NDF : 32.5/35

In: -1001.244+/-442.419 χ^2/NDF :22.6/29

Out: 422.240+/-442.023 χ^2/NDF :39.0/32

All: -288.865+/-312.697 χ^2/NDF : 66.7/62

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1788.980+/-0.390 χ^2/NDF : 58901.3/13

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

Left In: 1770.054+/-0.390 χ^2/NDF : 22780.5/12

Left: 1779.508+/-0.276 χ^2/NDF : 82857.8/26

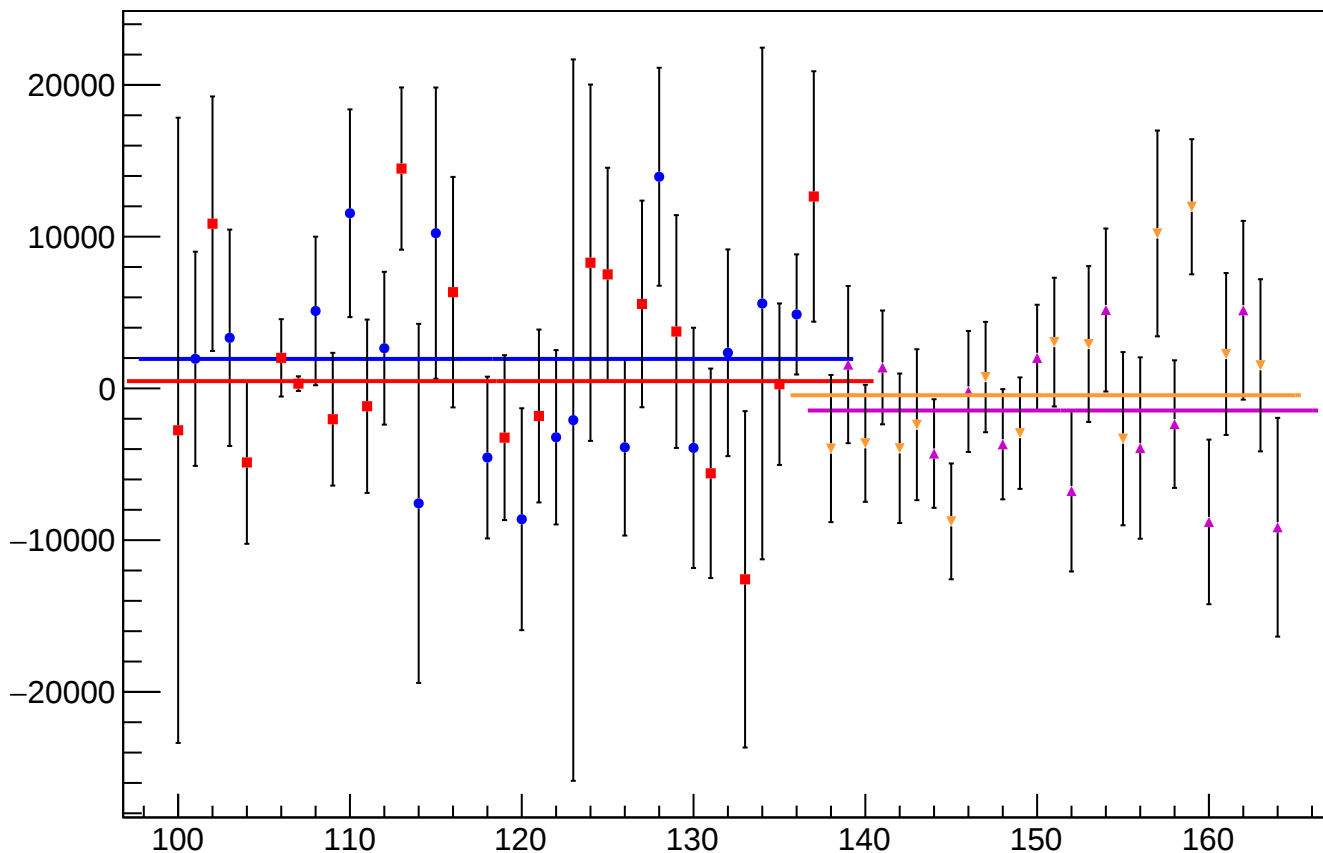
Right: 1904.057+/-0.369 χ^2/NDF : 634475.3/35

In: 1811.195+/-0.313 χ^2/NDF : 334386.5/29

Out: 1837.050+/-0.312 χ^2/NDF : 452525.4/32

All: 1824.141+/-0.221 χ^2/NDF : 790332.2/62

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -450.248+/-1219.570 χ^2/NDF : 19.2/13

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

Left In: -1455.817+/-1246.470 χ^2/NDF : 10.0/12

Left: -942.065+/-871.721 χ^2/NDF : 29.5/26

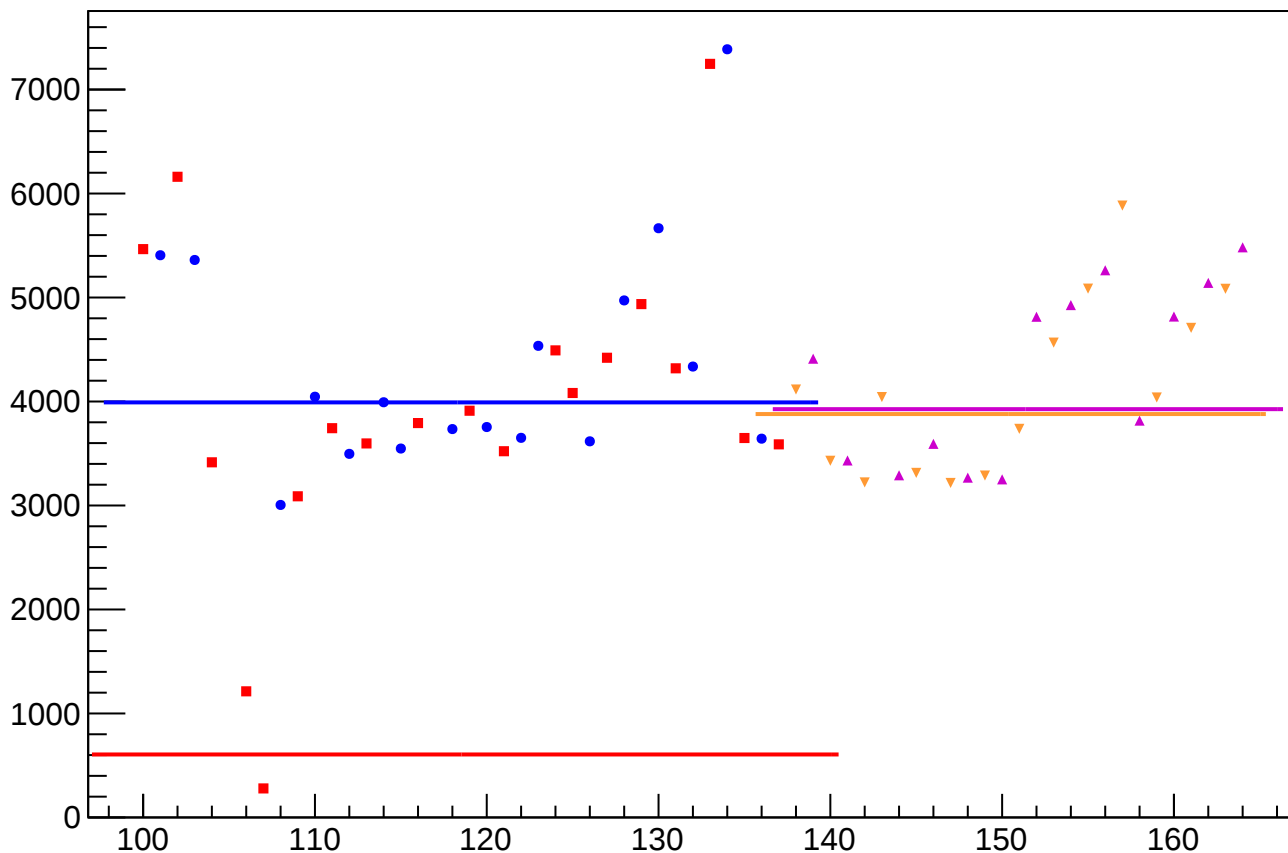
Right: 590.230+/-436.086 χ^2/NDF : 32.0/35

In: -152.978+/-978.855 χ^2/NDF : 26.0/29

Out: 365.886+/-425.215 χ^2/NDF : 37.7/32

All: 283.518+/-390.007 χ^2/NDF : 64.0/62

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3879.320+/-0.862 χ^2/NDF : 675034.8/13

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

Left In: 3926.465+/-0.881 χ^2/NDF : 728549.6/12

Left: 3902.378+/-0.616 χ^2/NDF : 1405046.1/26

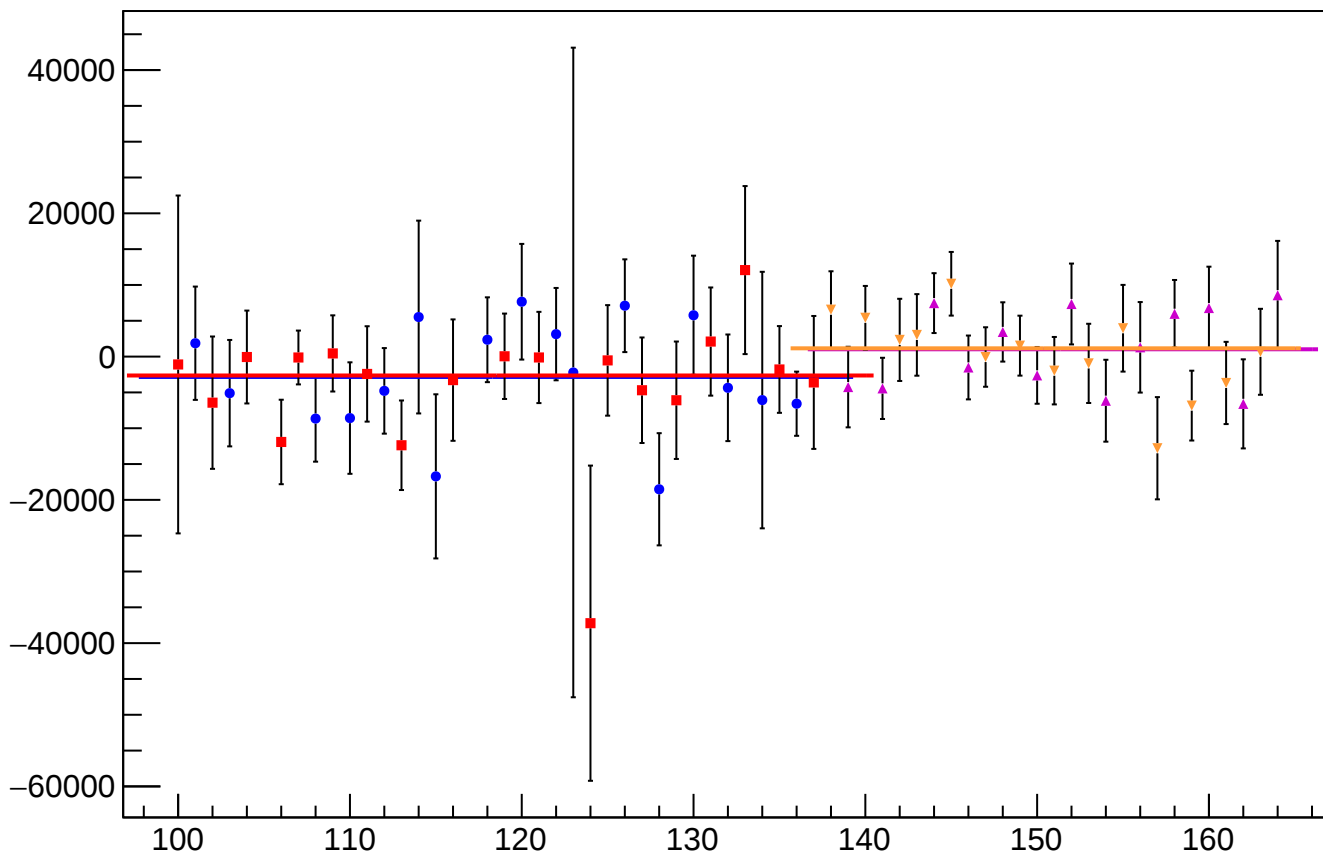
Right: 863.300+/-0.308 χ^2/NDF : 19230863.1/35

In: 3951.361+/-0.692 χ^2/NDF : 1241413.8/29

Out: 1003.681+/-0.301 χ^2/NDF : 23579903.6/32

All: 1471.618+/-0.276 χ^2/NDF : 40078696.5/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 $\pm$ 1786.019 χ^2 /NDF: 15.4/16

Left Out: 1155.281 $\pm$ 1364.141 χ^2 /NDF:14.3/13

Right Out: -2637.071 $\pm$ 1575.105 χ^2 /NDF: 11.2/18

Left In: 1020.910 $\pm$ 1385.047 χ^2 /NDF:13.8/12

Left: 1089.117 $\pm$ 971.901 χ^2 /NDF: 28.1/26

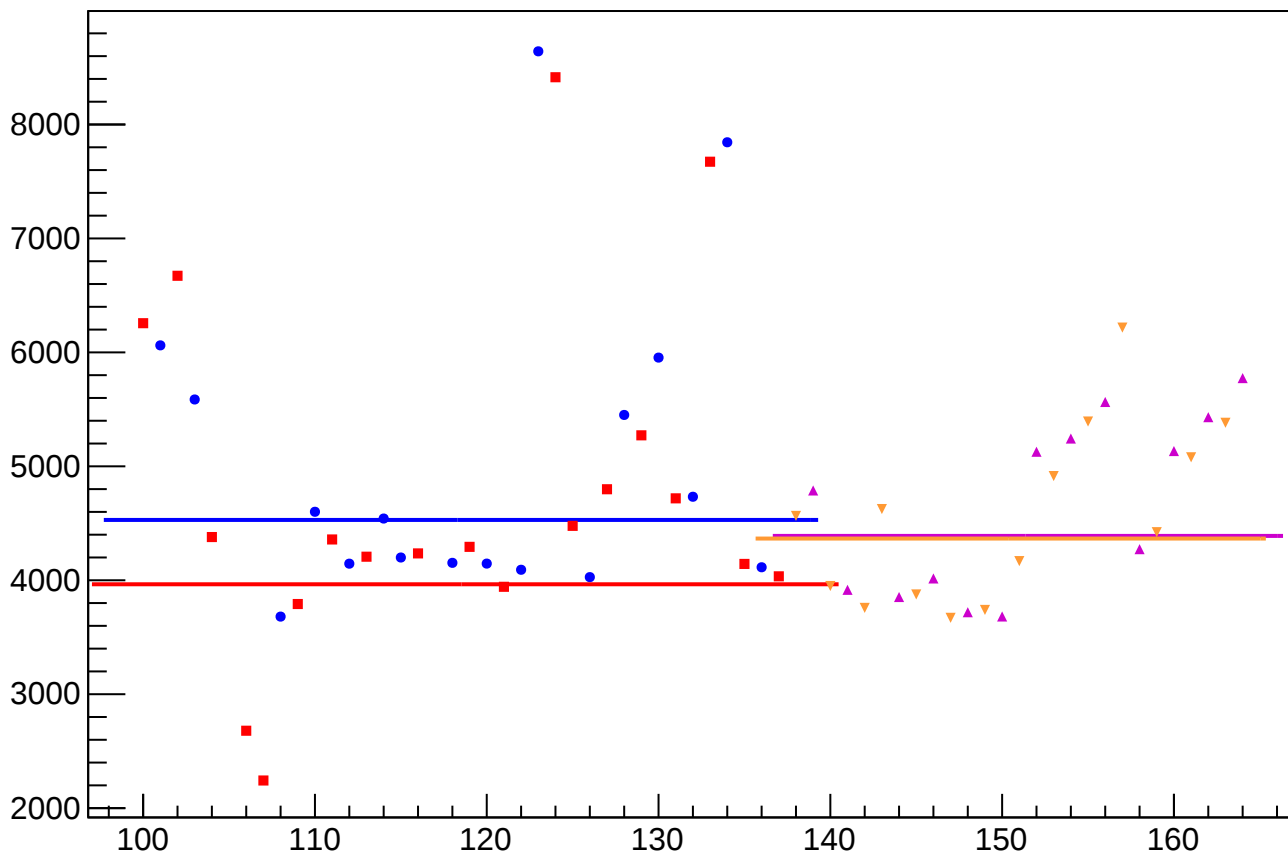
Right: -2725.676 $\pm$ 1181.334 χ^2 /NDF: 26.6/35

In: -428.877 $\pm$ 1094.500 χ^2 /NDF:32.2/29

Out: -470.095 $\pm$ 1031.174 χ^2 /NDF:28.8/32

All: -450.713 $\pm$ 750.540 χ^2 /NDF: 61.0/62

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2/NDF : 389326.2/16

Left Out: 4366.124 $\pm$ 0.965 χ^2/NDF : 476256.5/13

Right Out: 3964.829 $\pm$ 1.107 χ^2/NDF : 1140409.6/18

Left In: 4389.314 $\pm$ 0.979 χ^2/NDF : 503220.0/12

Left: 4377.542 $\pm$ 0.687 χ^2/NDF : 979761.1/26

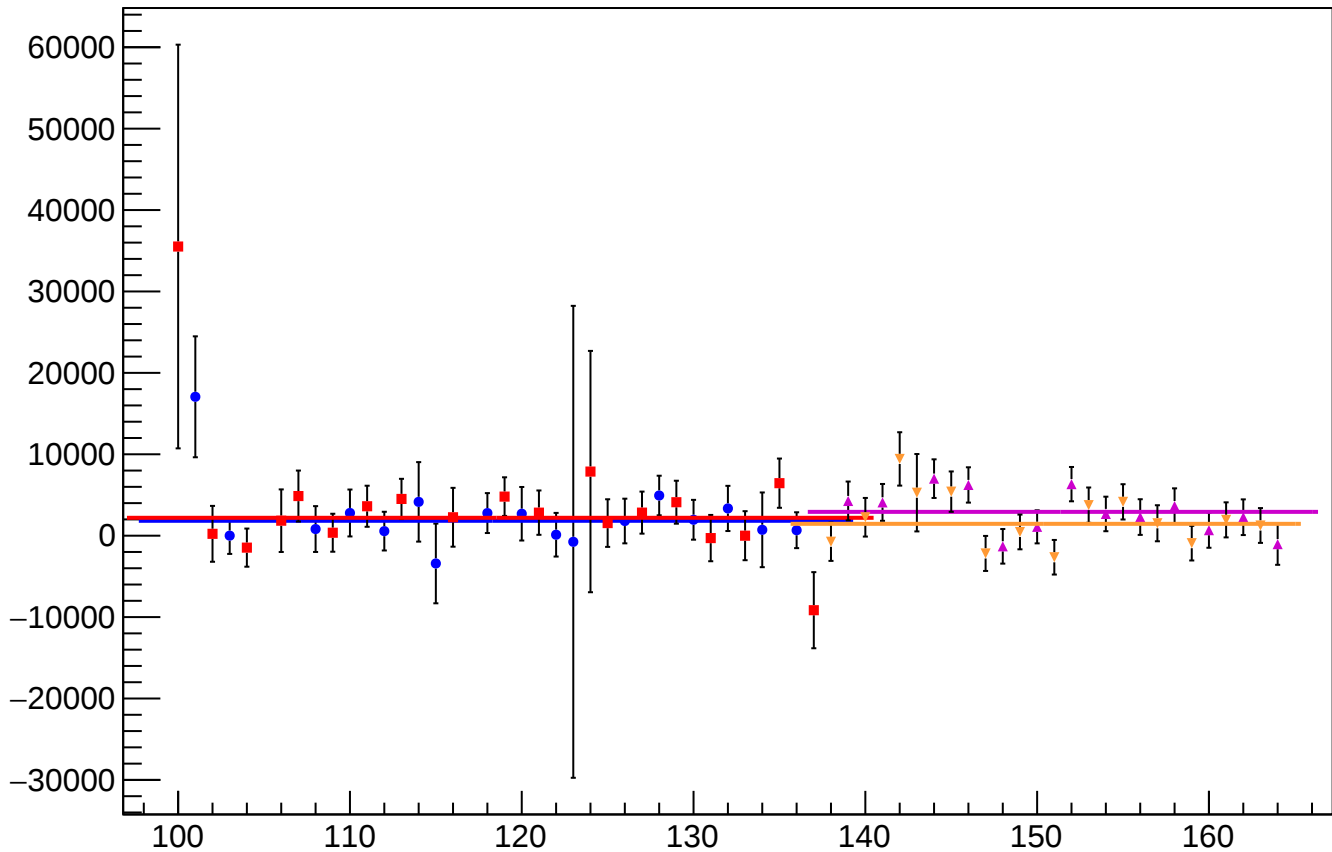
Right: 4210.073 $\pm$ 0.832 χ^2/NDF : 1642804.6/35

In: 4441.945 $\pm$ 0.774 χ^2/NDF : 900236.2/29

Out: 4192.870 $\pm$ 0.727 χ^2/NDF : 1691389.4/32

All: 4309.652 $\pm$ 0.530 χ^2/NDF : 2646638.7/62

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1456.198 $\pm$ 619.988 χ^2 /NDF:20.9/13

Right Out: 2198.063 $\pm$ 684.205 χ^2 /NDF: 18.3/18

Left In: 2926.666 $\pm$ 612.143 χ^2 /NDF:17.1/12

Left: 2200.794 $\pm$ 435.598 χ^2 /NDF: 40.8/26

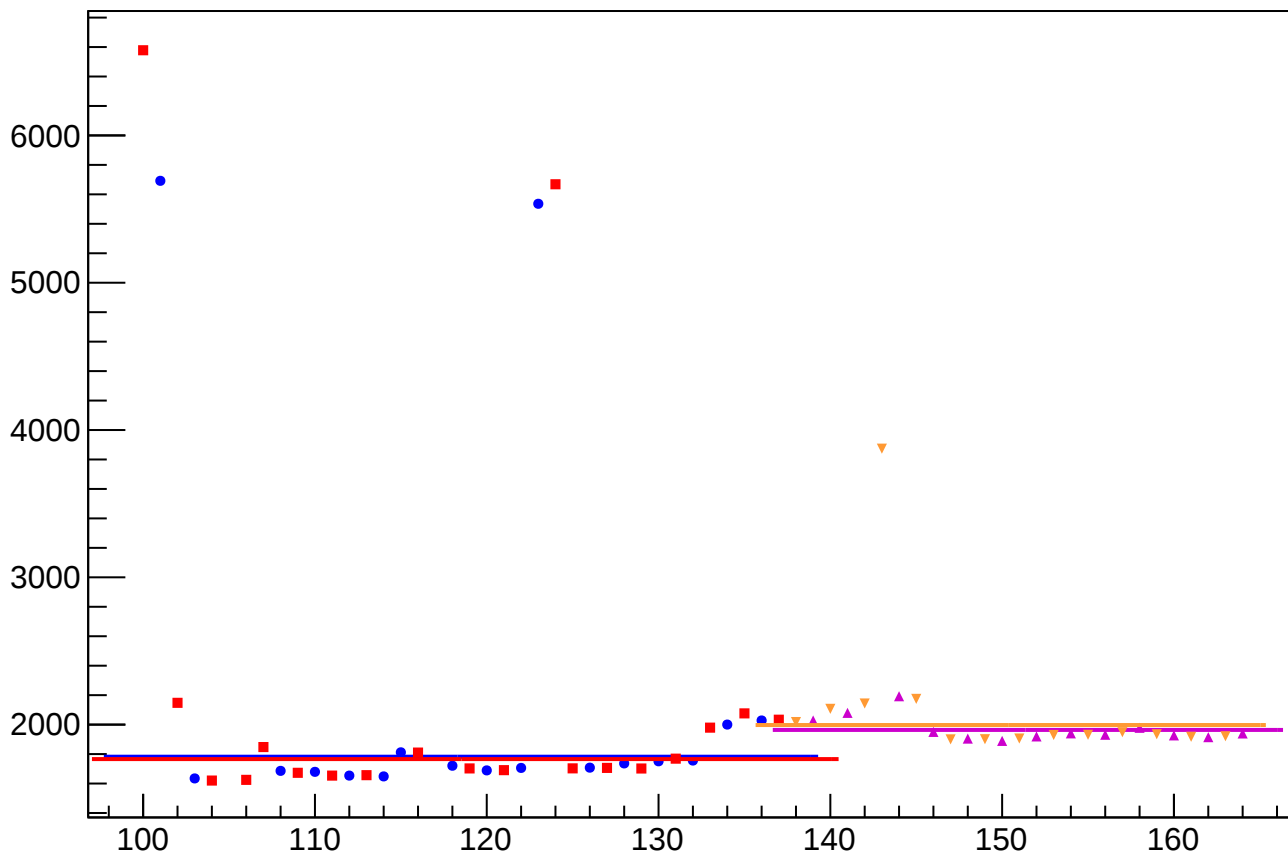
Right: 2021.233 $\pm$ 493.118 χ^2 /NDF: 28.2/35

In: 2460.110 $\pm$ 463.990 χ^2 /NDF:28.1/29

Out: 1790.690 $\pm$ 459.427 χ^2 /NDF:39.9/32

All: 2122.092 $\pm$ 326.466 χ^2 /NDF: 69.0/62

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1997.157 $\pm$ 0.438 χ^2 /NDF: 354002.5/13

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

Left In: 1963.896 $\pm$ 0.433 χ^2 /NDF: 32988.8/12

Left: 1980.315 $\pm$ 0.308 χ^2 /NDF: 389906.0/26

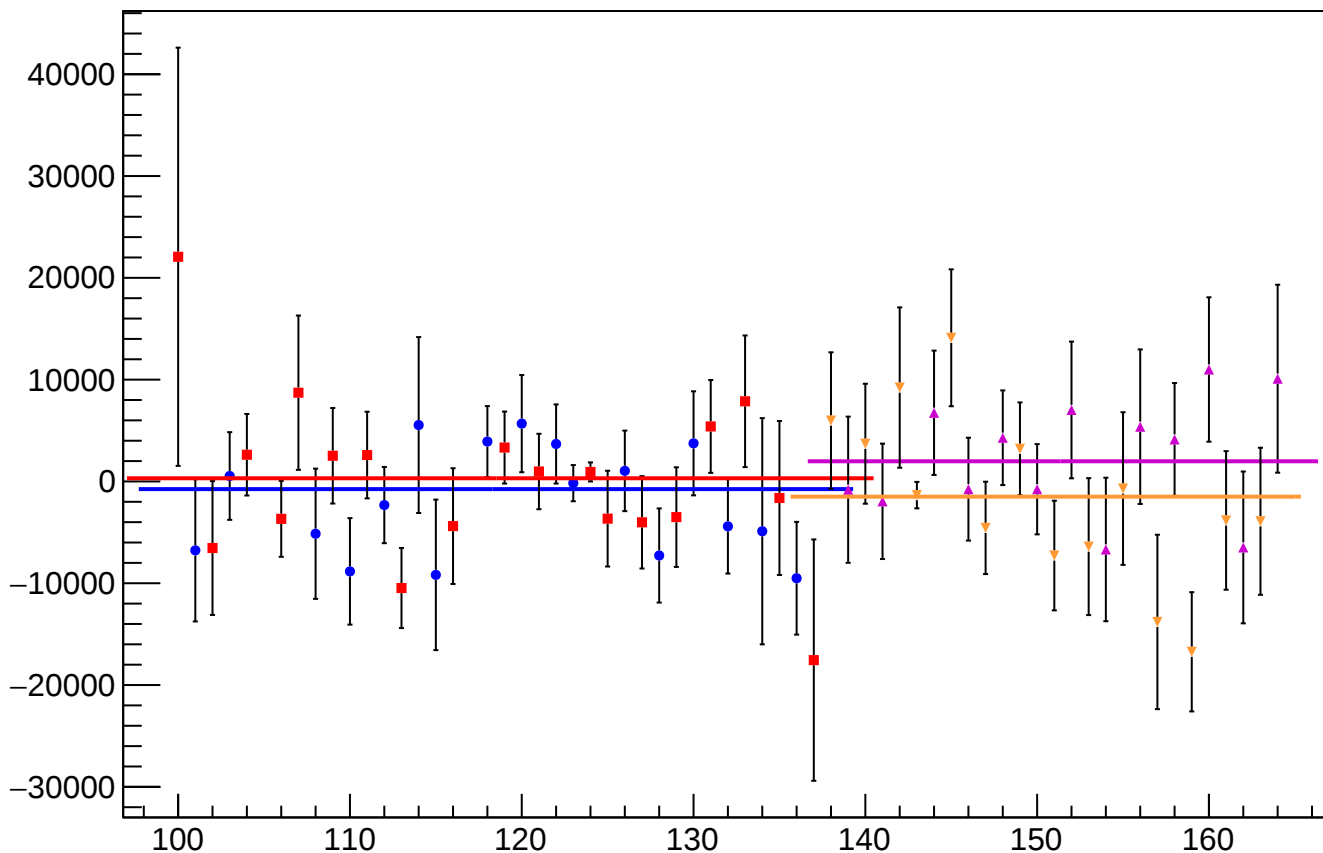
Right: 1773.682 $\pm$ 0.347 χ^2 /NDF: 952527.4/35

In: 1886.563 $\pm$ 0.328 χ^2 /NDF: 753199.1/29

Out: 1892.131 $\pm$ 0.324 χ^2 /NDF: 787137.3/32

All: 1889.383 $\pm$ 0.230 χ^2 /NDF: 1540482.4/62

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -1496.662+/-1033.321 χ^2/NDF : 21.6/13

Right Out: 311.405+/-725.132 χ^2/NDF : 22.0/18

Left In: 1980.004+/-1677.214 χ^2/NDF : 8.3/12

Left: -540.101+/-879.758 χ^2/NDF : 32.9/26

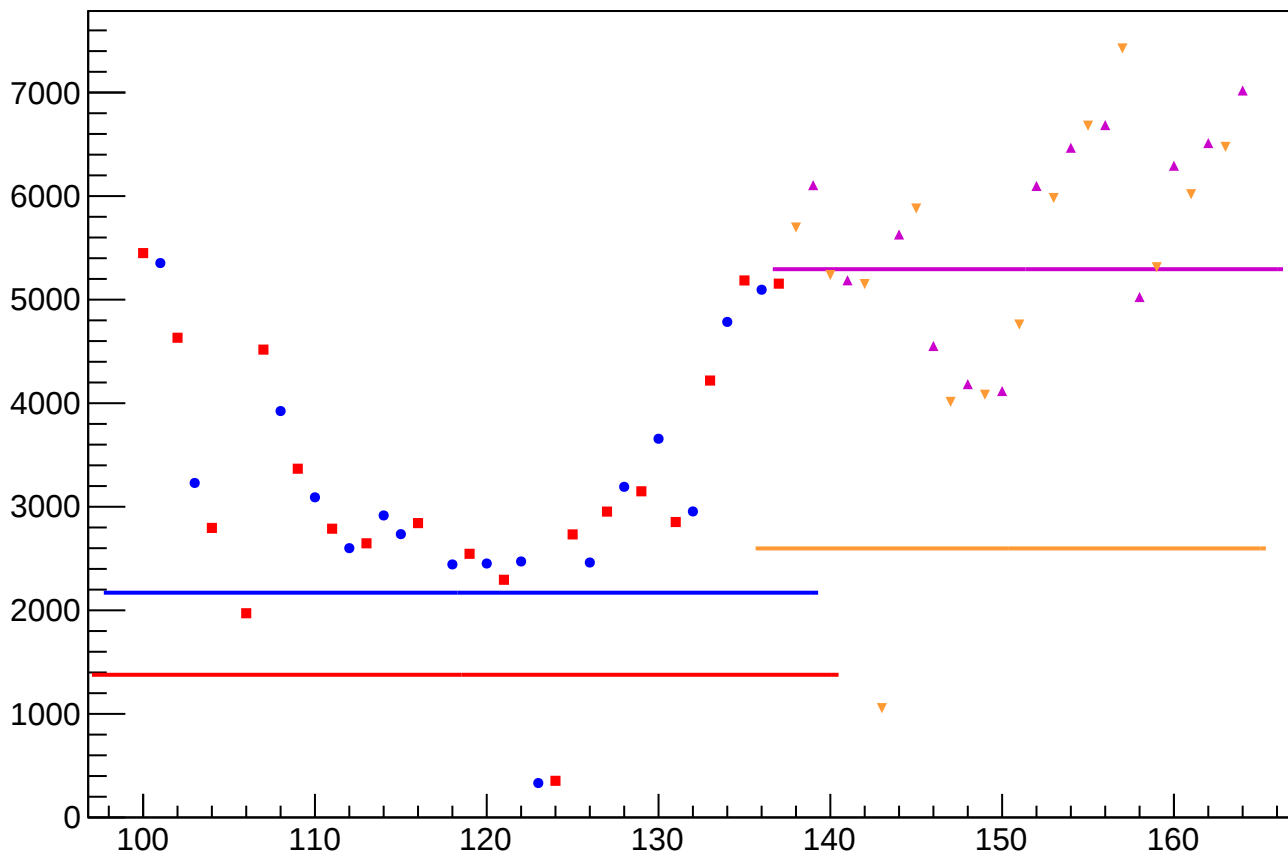
Right: -51.479+/-588.747 χ^2/NDF : 39.7/35

In: -27.552+/-864.302 χ^2/NDF : 27.2/29

Out: -285.187+/-593.563 χ^2/NDF : 45.6/32

All: -202.620+/-489.291 χ^2/NDF : 72.8/62

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2/NDF : 3973725.5/16

Left Out: 2597.764 $\pm$ 0.731 χ^2/NDF : 8309516.4/13

Right Out: 1377.716 $\pm$ 0.513 χ^2/NDF : 6847297.6/18

Left In: 5294.089 $\pm$ 1.186 χ^2/NDF : 648999.3/12

Left: 3339.623 $\pm$ 0.622 χ^2/NDF : 12705253.7/26

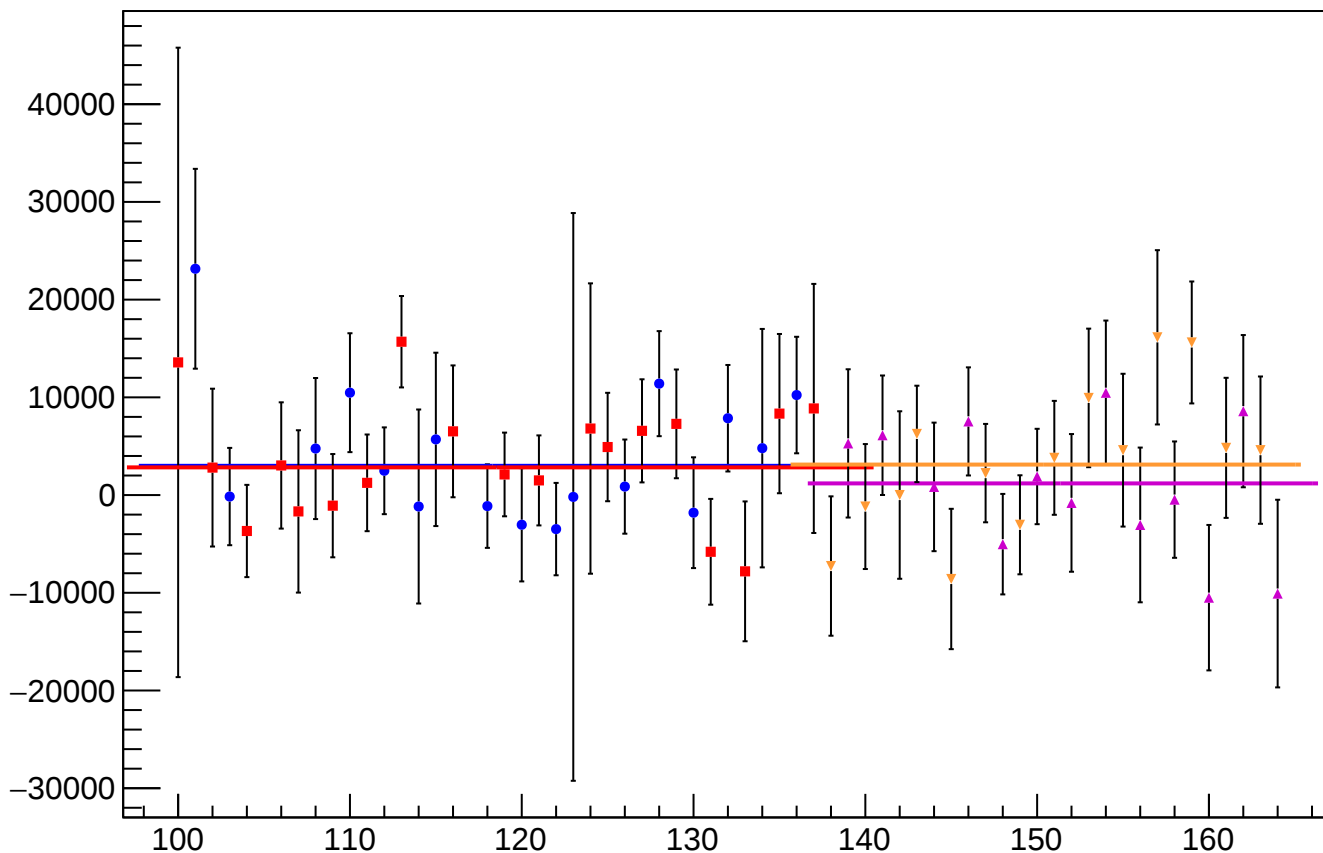
Right: 1647.801 $\pm$ 0.416 χ^2/NDF : 11635181.2/35

In: 2999.794 $\pm$ 0.611 χ^2/NDF : 9718284.6/29

Out: 1780.285 $\pm$ 0.420 χ^2/NDF : 17024966.9/32

All: 2171.115 $\pm$ 0.346 χ^2/NDF : 29448892.6/6

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 3120.053 $\pm$ 1721.031 χ^2 /NDF:14.5/13

Right Out: 2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

Left In: 1193.666 $\pm$ 1802.627 χ^2 /NDF:10.5/12

Left: 2201.444 $\pm$ 1244.799 χ^2 /NDF: 25.6/26

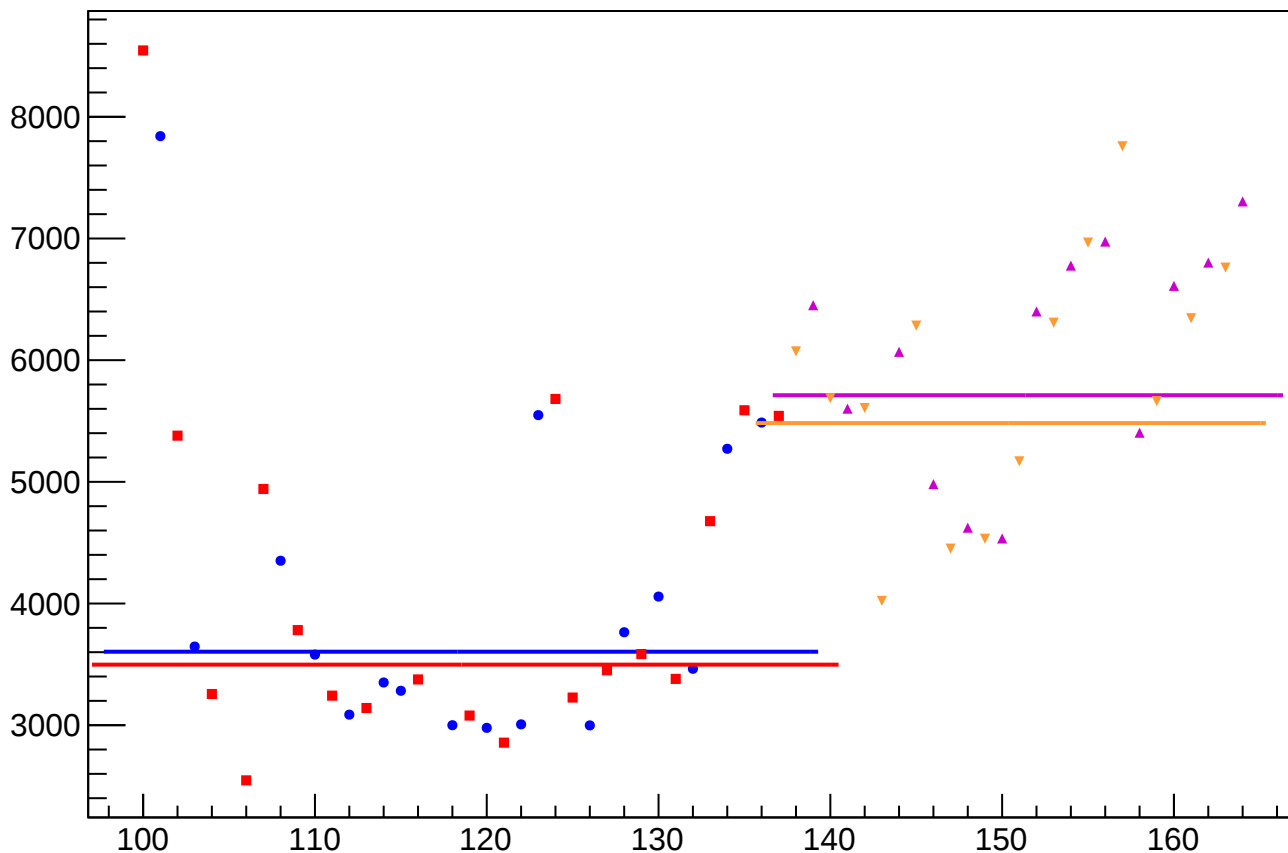
Right: 2909.269 $\pm$ 998.385 χ^2 /NDF: 33.4/35

In: 2287.672 $\pm$ 1128.520 χ^2 /NDF:26.8/29

Out: 2945.496 $\pm$ 1076.207 χ^2 /NDF:32.2/32

All: 2632.184 $\pm$ 778.830 χ^2 /NDF: 59.2/62

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 $\pm$ 1.023 χ^2 /NDF: 784674.5/16

Left Out: 5482.941 $\pm$ 1.217 χ^2 /NDF: 694088.2/13

Right Out: 3497.586 $\pm$ 0.962 χ^2 /NDF: 661898.6/18

Left In: 5711.945 $\pm$ 1.275 χ^2 /NDF: 506830.0/12

Left: 5592.142 $\pm$ 0.880 χ^2 /NDF: 1217804.1/26

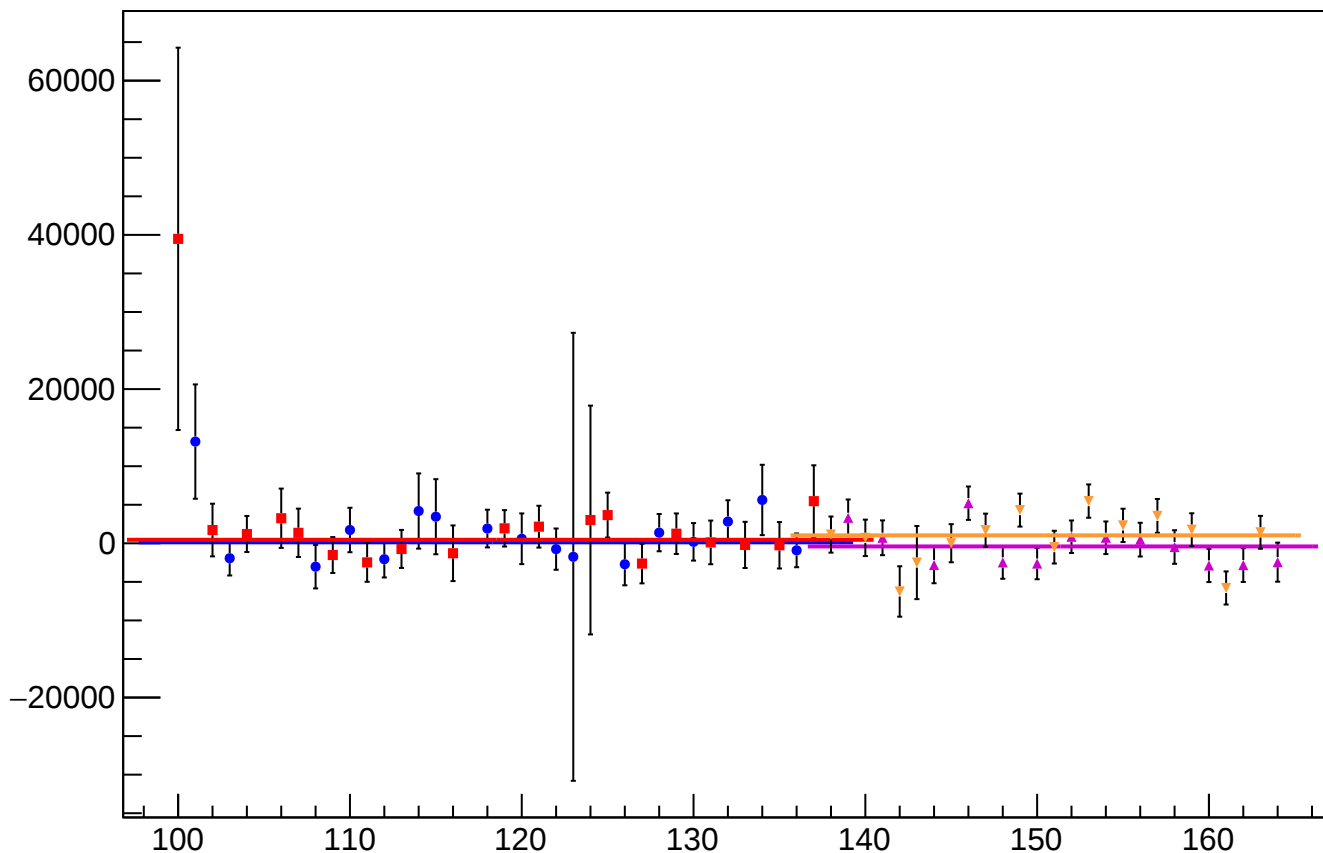
Right: 3547.455 $\pm$ 0.701 χ^2 /NDF: 1452308.2/35

In: 4430.114 $\pm$ 0.798 χ^2 /NDF: 2954620.9/29

Out: 4260.734 $\pm$ 0.754 χ^2 /NDF: 2994444.6/32

All: 4340.684 $\pm$ 0.548 χ^2 /NDF: 5972853.7/62

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1033.364 $\pm$ 618.429 χ^2 /NDF:24.8/13

Right Out: 459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

Left In: -404.125 $\pm$ 611.099 χ^2 /NDF:16.6/12

Left: 306.050 $\pm$ 434.681 χ^2 /NDF: 44.1/26

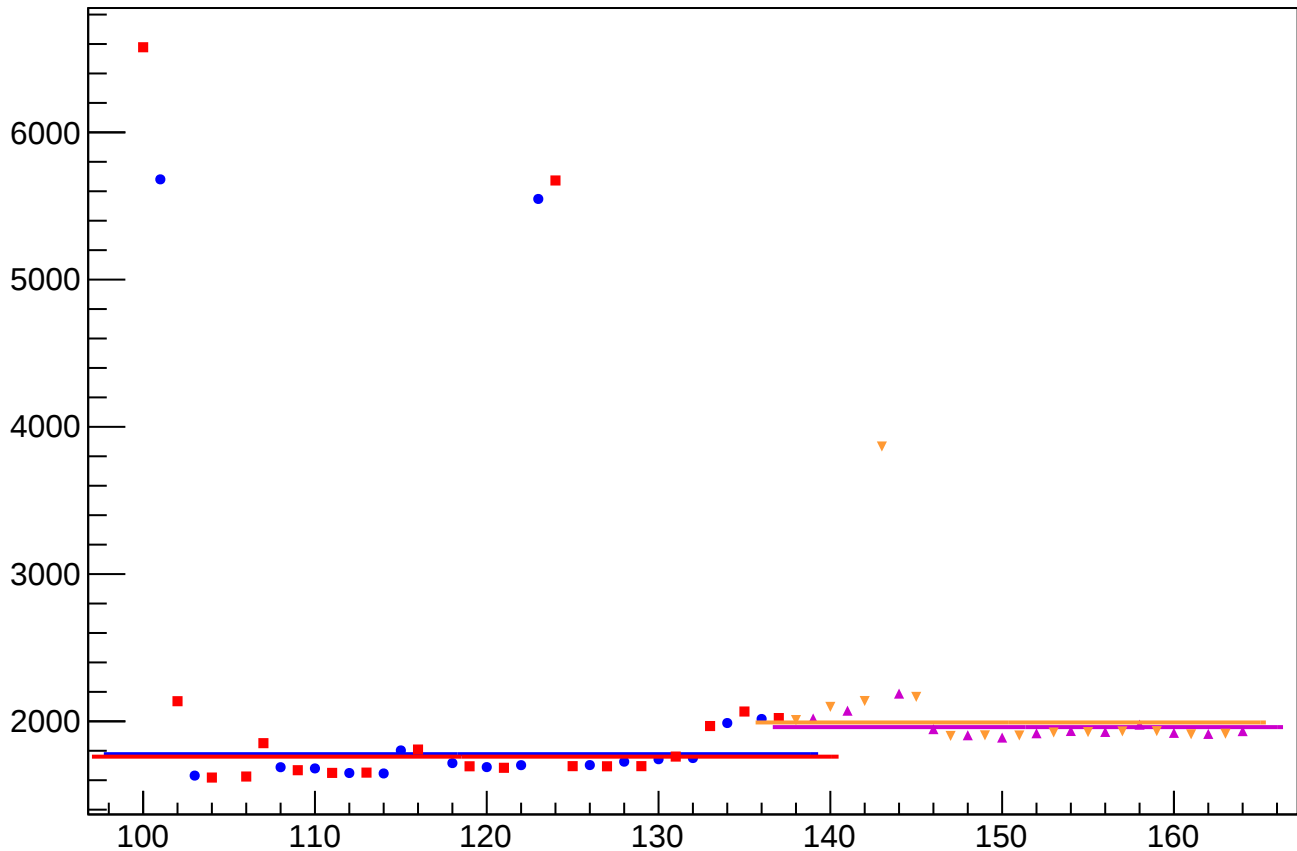
Right: 301.426 $\pm$ 491.524 χ^2 /NDF: 23.0/35

In: -176.144 $\pm$ 462.945 χ^2 /NDF:29.0/29

Out: 774.142 $\pm$ 458.077 χ^2 /NDF:35.9/32

All: 304.021 $\pm$ 325.617 χ^2 /NDF: 67.1/62

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879 ± 0.501 $\chi^2/\text{NDF}: 643576.8/16$

Left Out: 1992.276 ± 0.437 $\chi^2/\text{NDF}: 352743.0/13$

Right Out: 1759.990 ± 0.479 $\chi^2/\text{NDF}: 306154.6/18$

Left In: 1960.633 ± 0.432 $\chi^2/\text{NDF}: 31883.2/12$

Left: 1976.266 ± 0.307 $\chi^2/\text{NDF}: 387275.5/26$

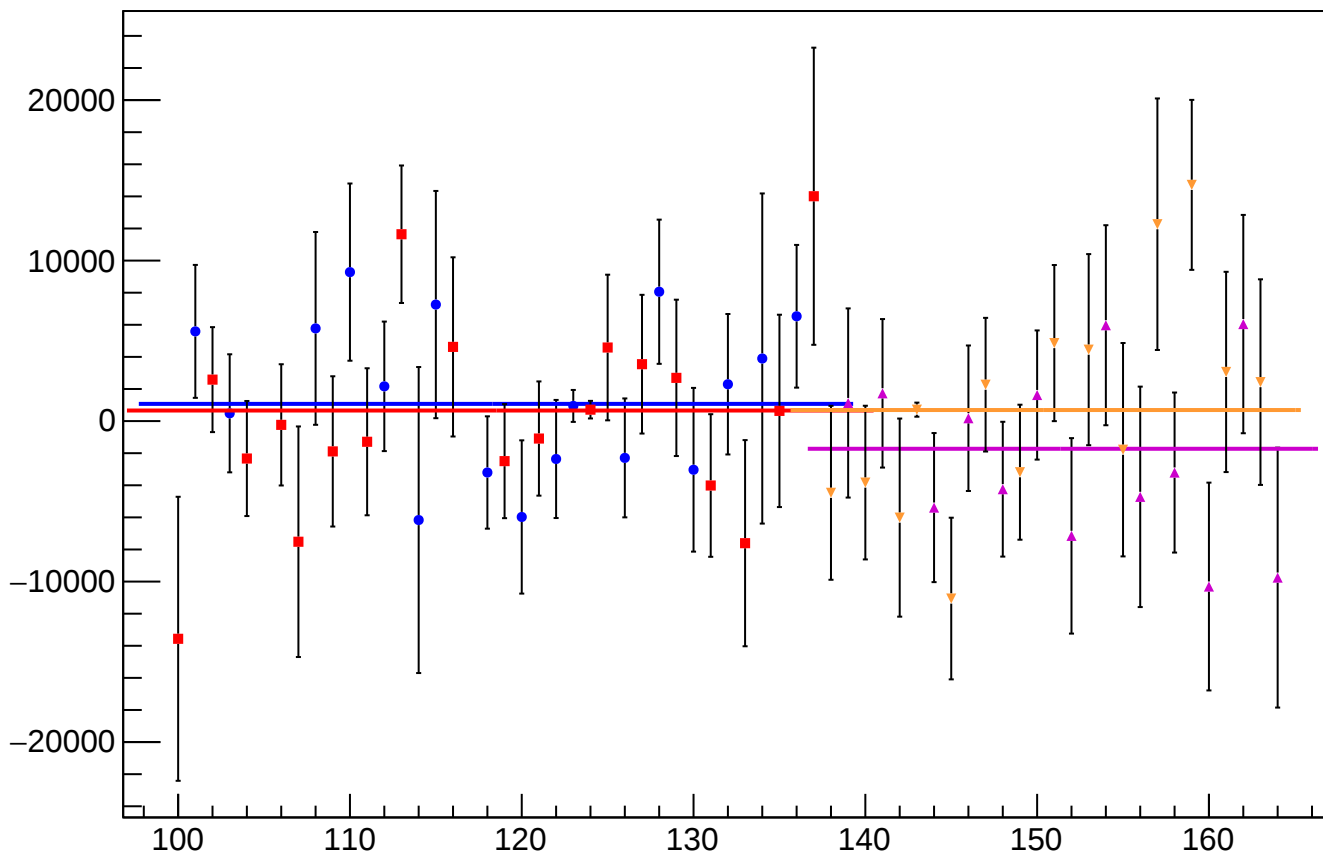
Right: 1768.045 ± 0.346 $\chi^2/\text{NDF}: 950324.7/35$

In: 1882.335 ± 0.327 $\chi^2/\text{NDF}: 752513.4/29$

Out: 1886.649 ± 0.323 $\chi^2/\text{NDF}: 787204.5/32$

All: 1884.521 ± 0.230 $\chi^2/\text{NDF}: 1539805.9/62$

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 688.818+/-420.935 χ^2/NDF : 20.1/13

Right Out: 658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: -1725.363+/-1468.285 χ^2/NDF : 9.3/12

Left: 505.470+/-404.635 χ^2/NDF : 31.9/26

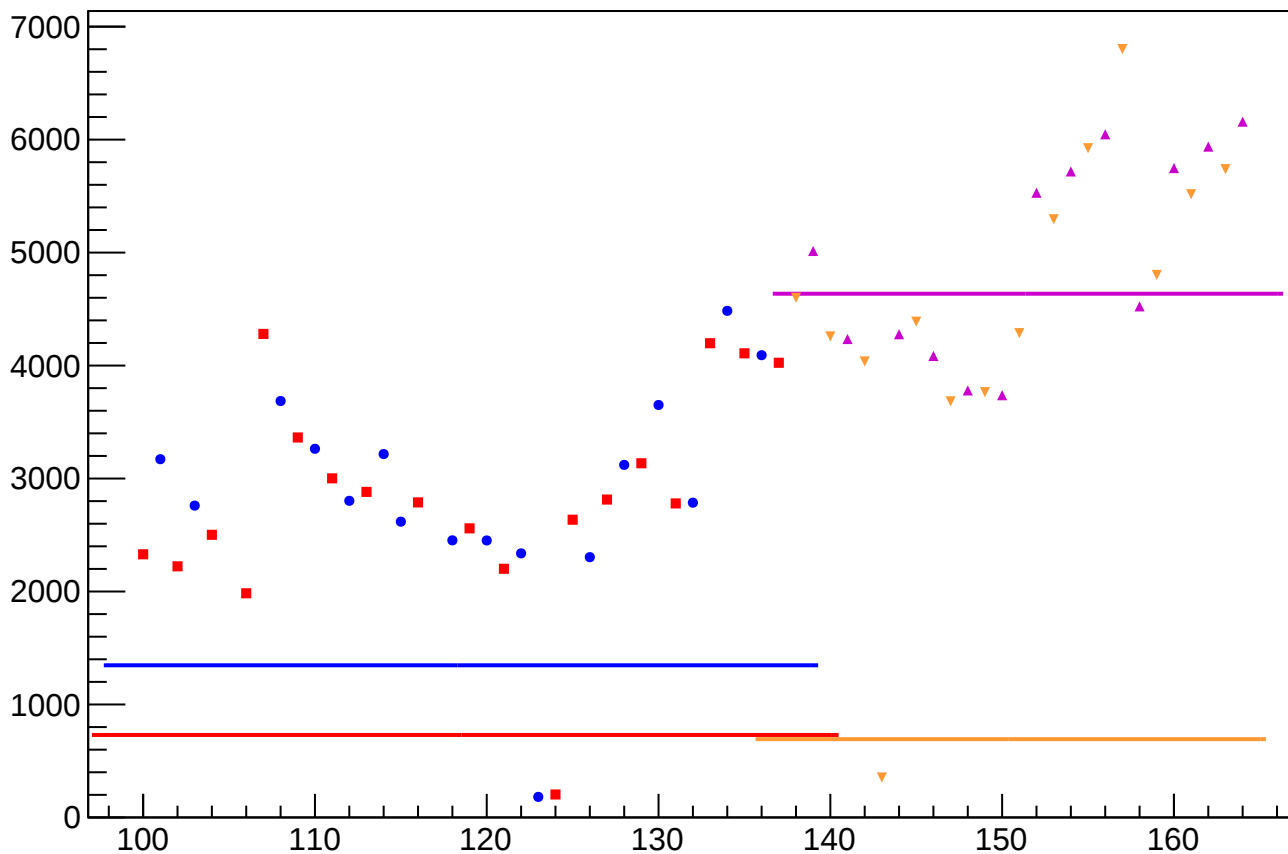
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 490.514+/-669.519 χ^2/NDF : 27.7/29

Out: 675.996+/-318.750 χ^2/NDF : 39.9/32

All: 641.723+/-287.799 χ^2/NDF : 67.7/62

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 693.199 $\pm$ 0.298 χ^2 /NDF: 15486214.5/13

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

Left In: 4635.992 $\pm$ 1.038 χ^2 /NDF: 639383.9/12

Left: 992.639 $\pm$ 0.286 χ^2 /NDF: 29452051.0/26

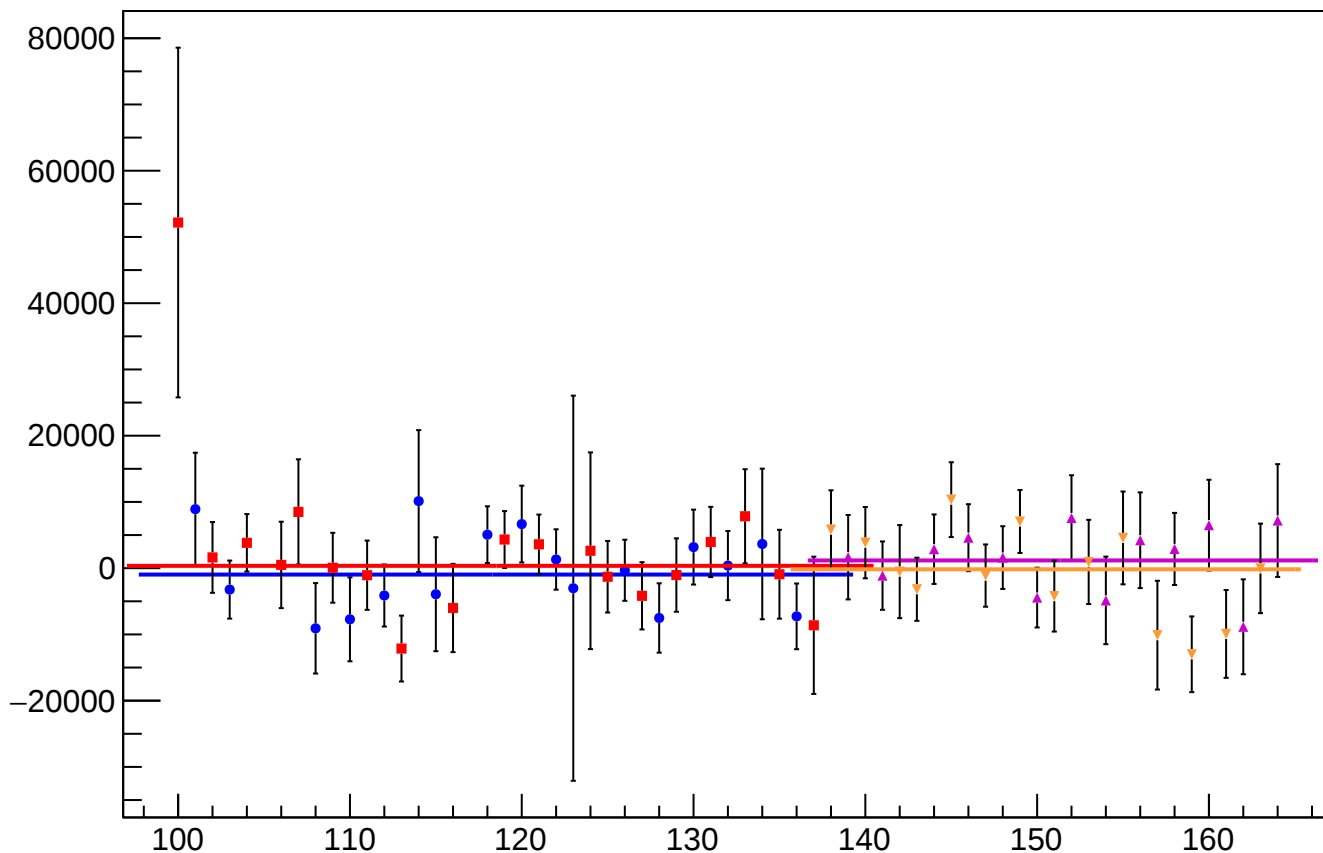
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2030.731 $\pm$ 0.473 χ^2 /NDF: 15428092.2/29

Out: 708.948 $\pm$ 0.225 χ^2 /NDF: 24995905.3/32

All: 953.186 $\pm$ 0.204 χ^2 /NDF: 46778770.1/62

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: -170.090+/-1546.308 χ^2/NDF : 17.5/13

Right Out: 354.646+/-1329.760 χ^2/NDF : 17.6/18

Left In: 1169.026+/-1609.933 χ^2/NDF : 7.5/12

Left: 472.484+/-1115.220 χ^2/NDF : 25.4/26

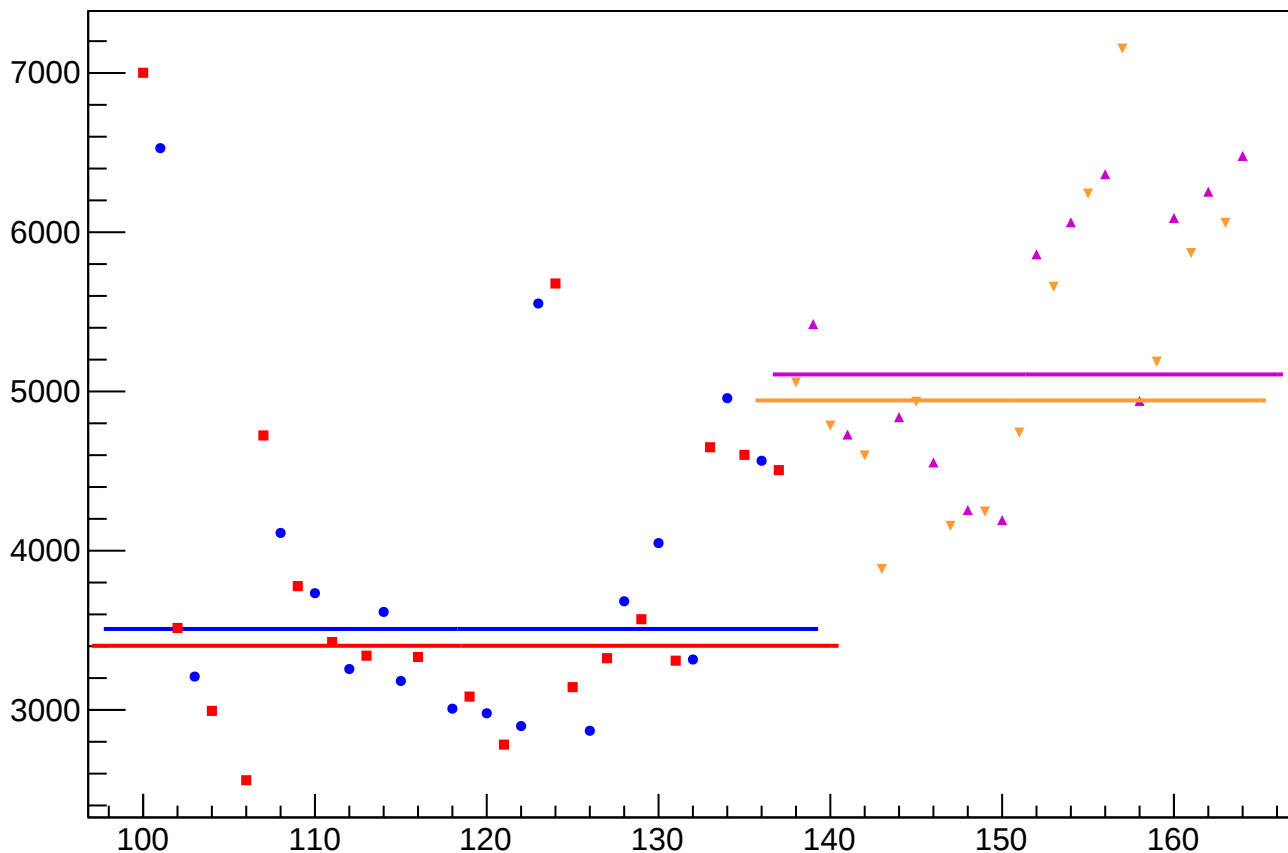
Right: -272.899+/-962.726 χ^2/NDF : 31.8/35

In: -48.897+/-1054.546 χ^2/NDF : 22.2/29

Out: 131.564+/-1008.225 χ^2/NDF : 35.2/32

All: 45.384+/-728.748 χ^2/NDF : 57.4/62

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4943.870+/-1.093 χ^2/NDF : 544160.3/13

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

Left In: 5107.028+/-1.138 χ^2/NDF : 467746.0/12

Left: 5022.161+/-0.789 χ^2/NDF : 1022591.0/26

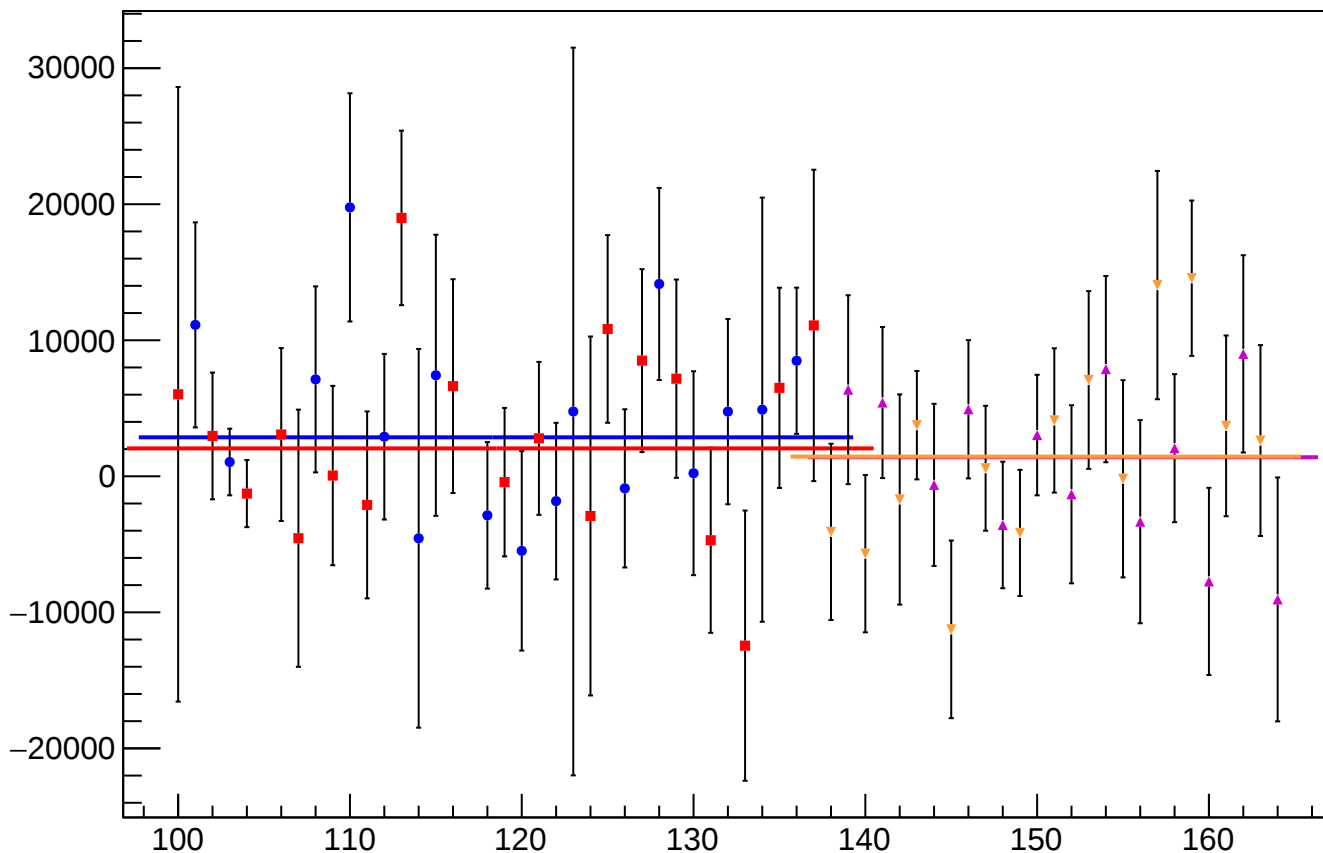
Right: 3452.447+/-0.676 χ^2/NDF : 996829.8/35

In: 4194.345+/-0.746 χ^2/NDF : 2155737.0/29

Out: 4048.212+/-0.708 χ^2/NDF : 2127176.9/32

All: 4117.450+/-0.513 χ^2/NDF : 4303123.3/62

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: 1447.619+/-1549.222 χ^2/NDF : 16.8/13

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 1400.098+/-1652.559 χ^2/NDF : 8.6/12

Left: 1425.390+/-1130.233 χ^2/NDF : 25.4/26

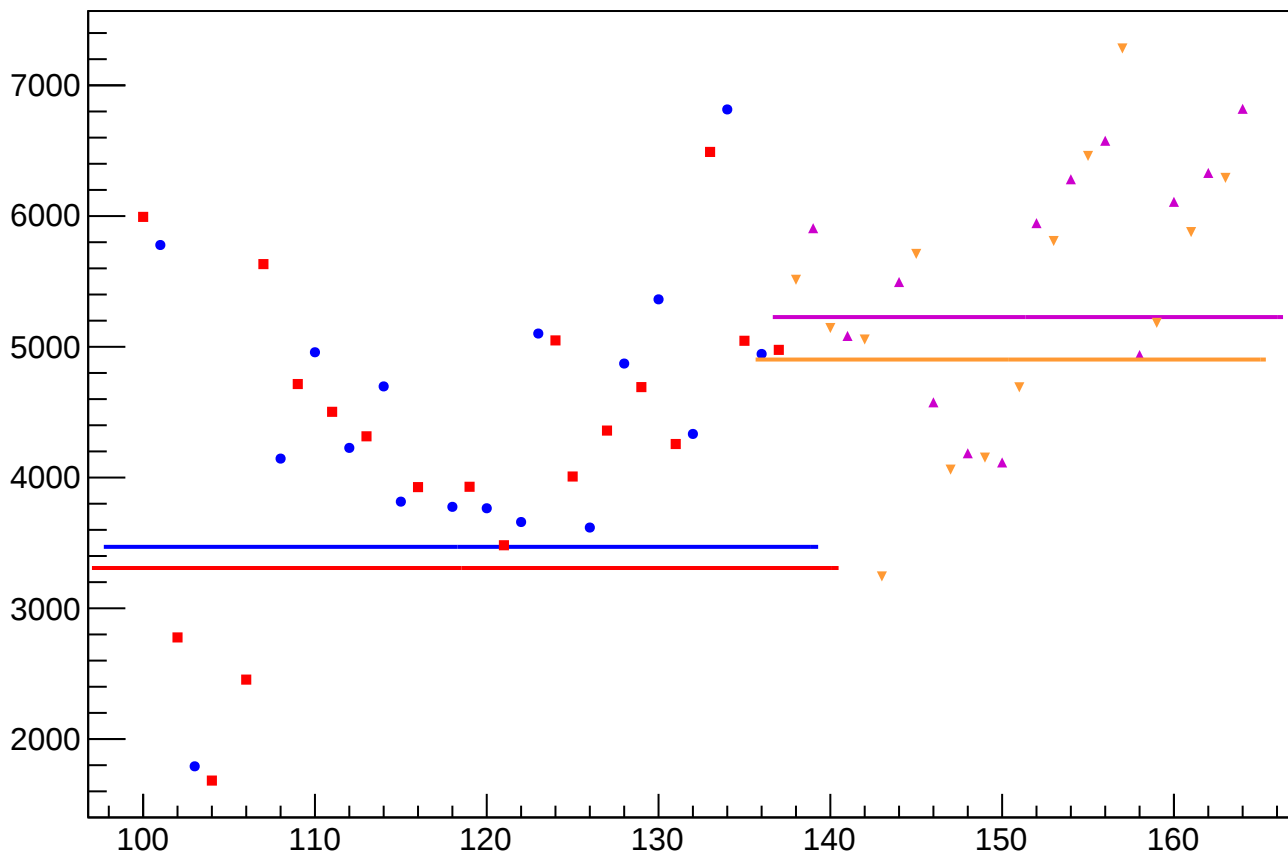
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2226.335+/-1091.052 χ^2/NDF : 23.1/29

Out: 1783.829+/-1031.118 χ^2/NDF : 34.5/32

All: 1992.595+/-749.403 χ^2/NDF : 57.7/62

reg_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: 4902.682 +/- 1.095 χ^2/NDF : 939996.1/13

Right Out: 3308.243 +/- 0.968 χ^2/NDF : 1910782.0/18

Left In: 5227.553 +/- 1.169 χ^2/NDF : 568322.7/12

Left: 5054.643 +/- 0.799 χ^2/NDF : 1549457.3/26

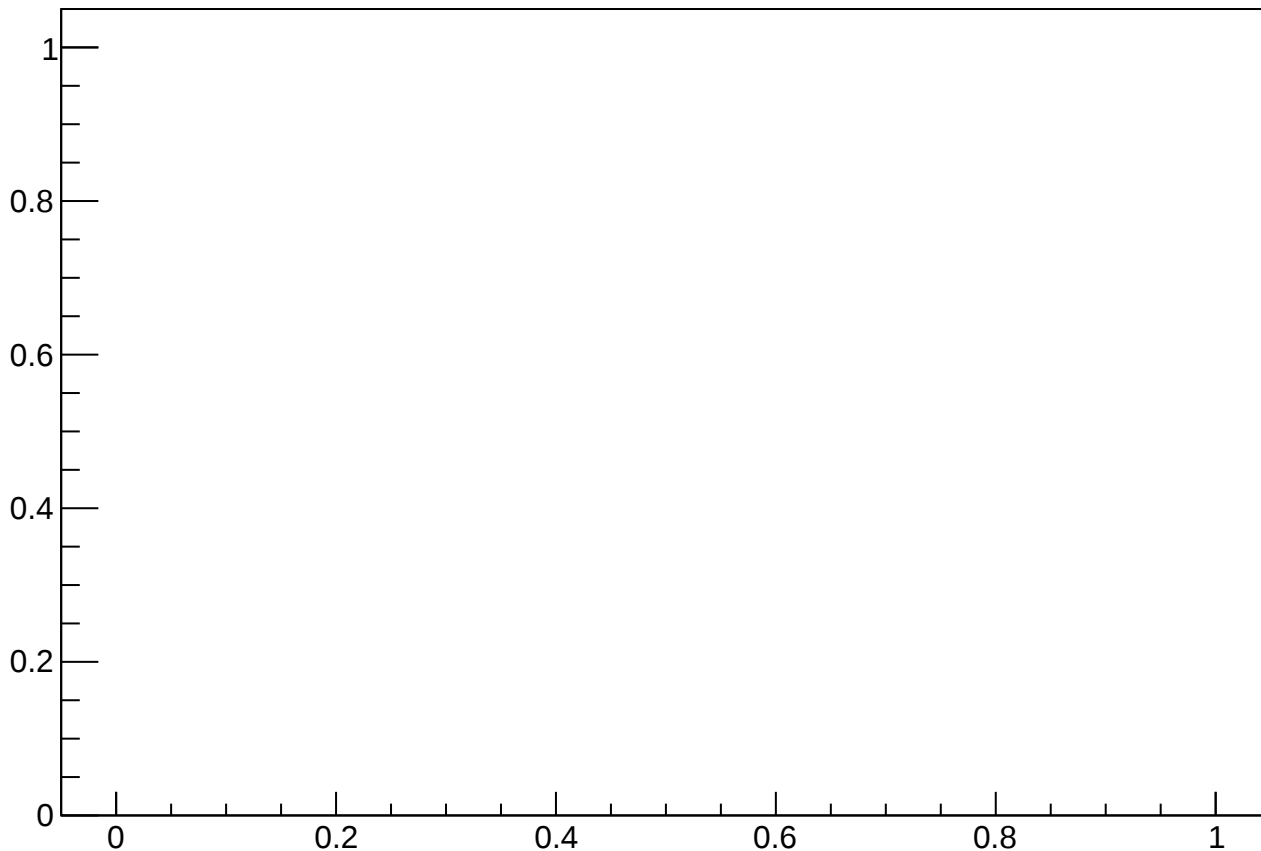
Right: 3384.349 +/- 0.704 χ^2/NDF : 3684784.1/35

In: 4236.102 +/- 0.771 χ^2/NDF : 3605285.1/29

Out: 4007.342 +/- 0.725 χ^2/NDF : 4040370.9/32

All: 4114.683 +/- 0.528 χ^2/NDF : 7692324.0/62

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

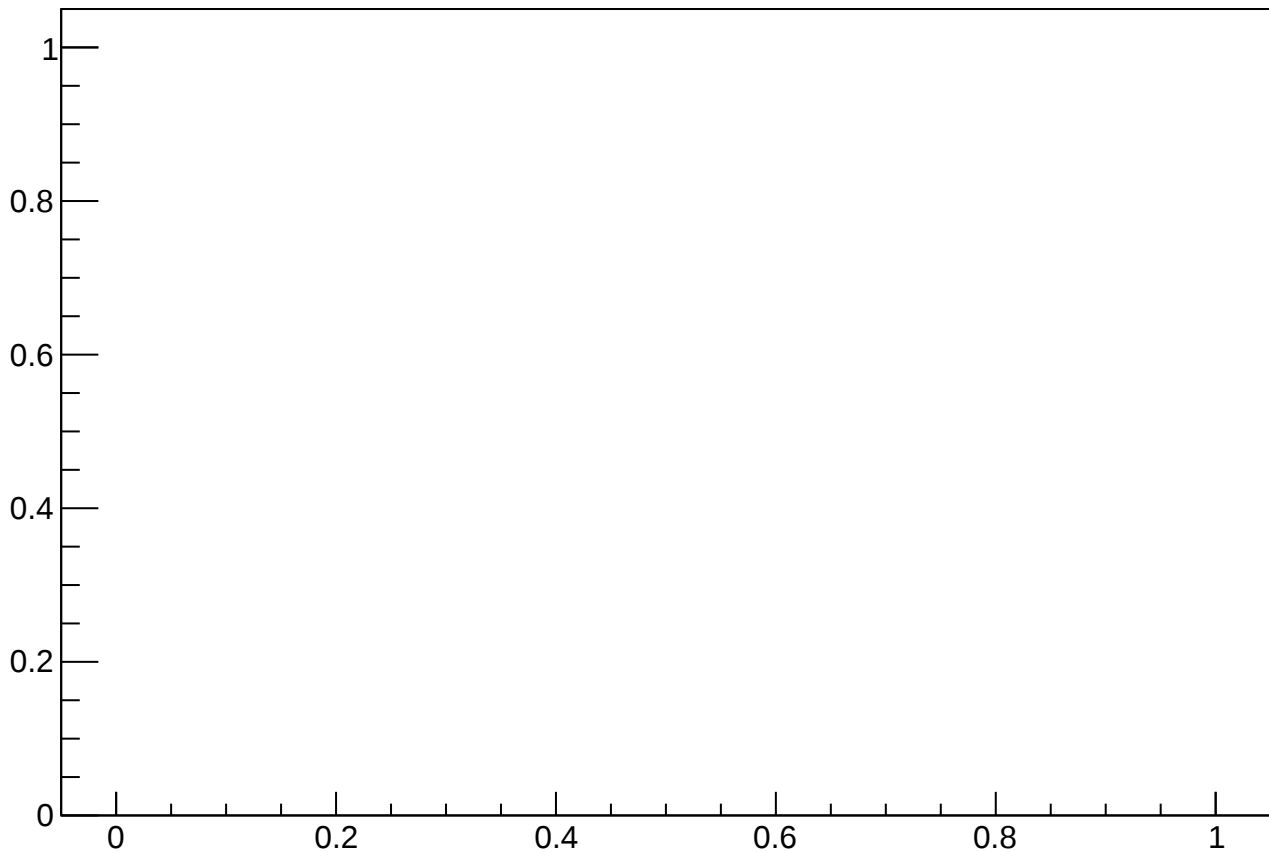
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

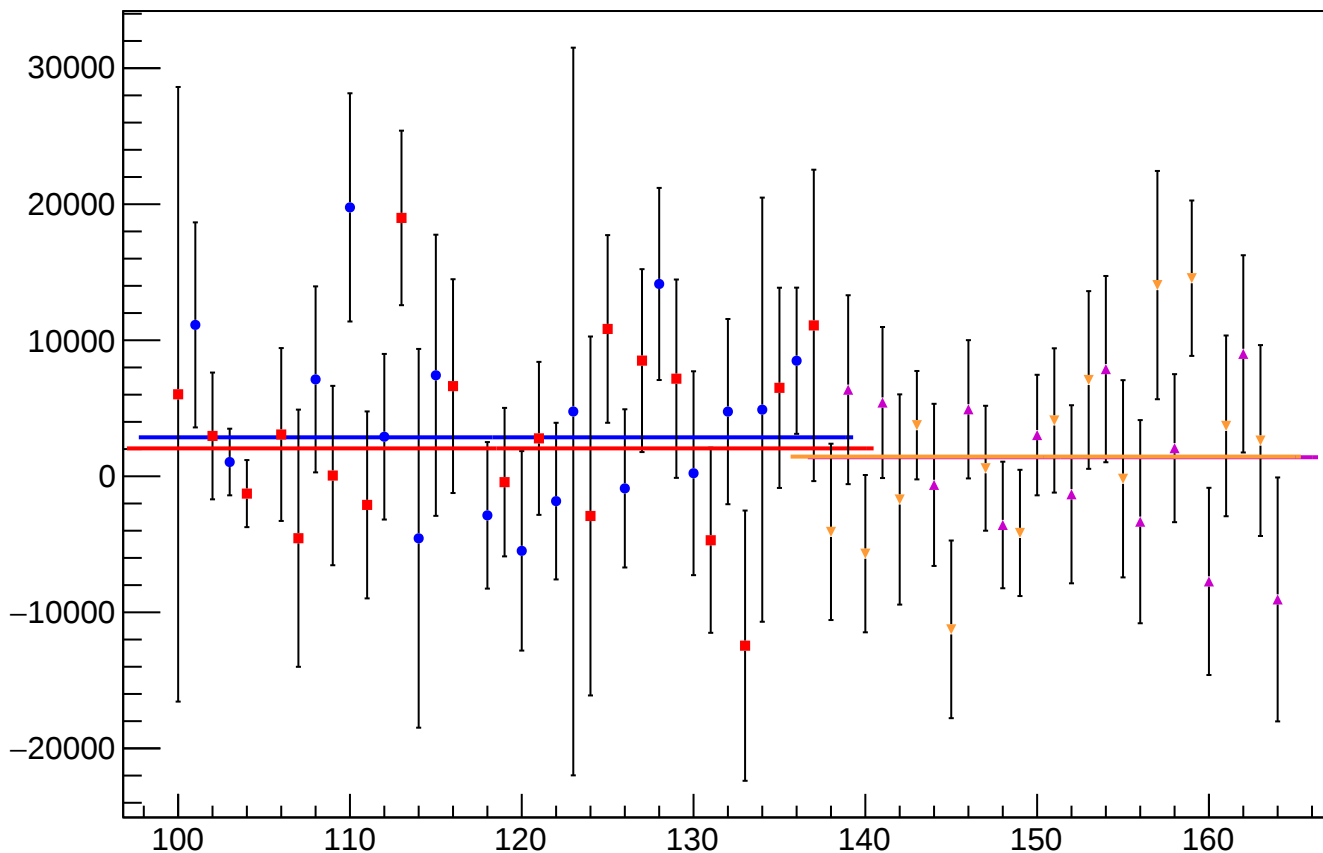
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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: 1447.619+/-1549.222 χ^2/NDF : 16.8/13

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 1400.098+/-1652.559 χ^2/NDF : 8.6/12

Left: 1425.390+/-1130.233 χ^2/NDF : 25.4/26

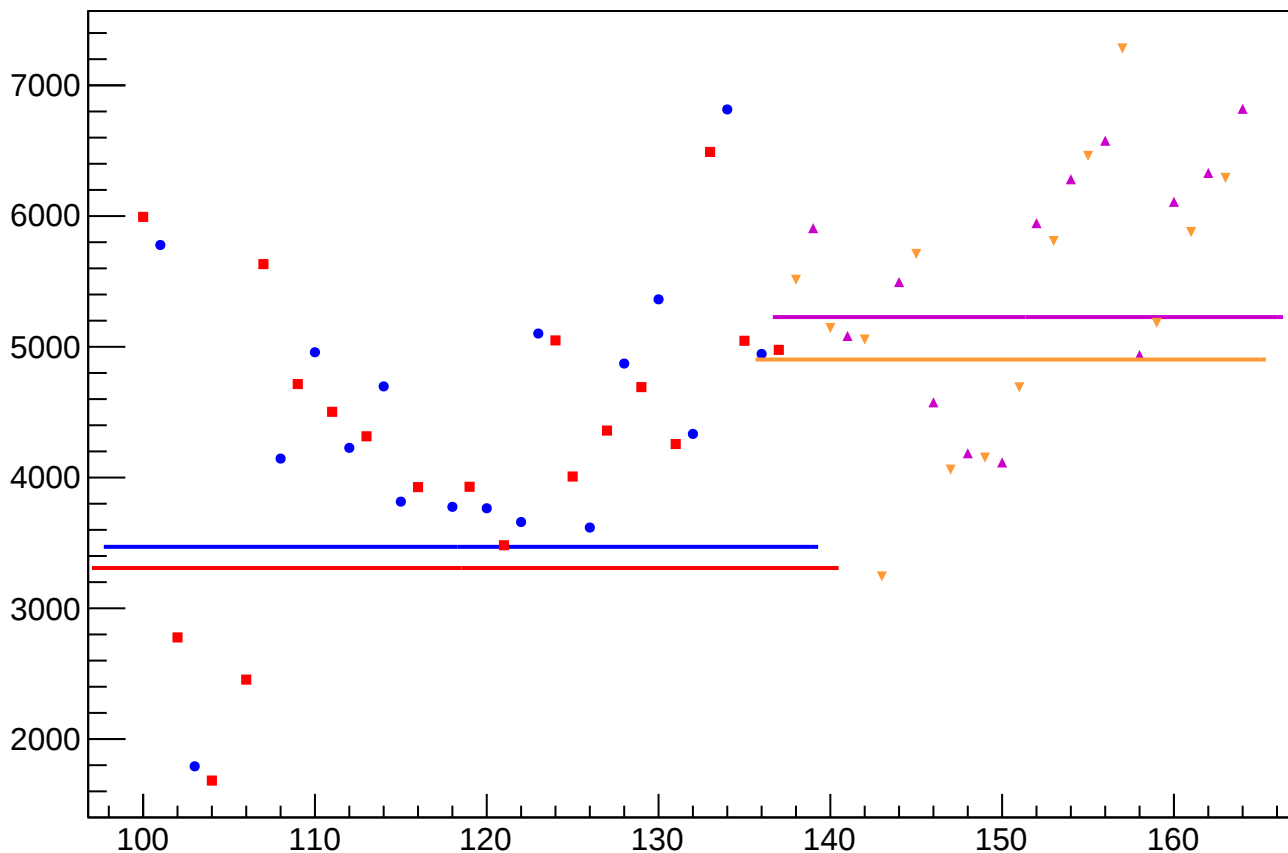
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2226.335+/-1091.052 χ^2/NDF : 23.1/29

Out: 1783.829+/-1031.118 χ^2/NDF : 34.5/32

All: 1992.595+/-749.403 χ^2/NDF : 57.7/62

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: 4902.682 $\pm$ 1.095 χ^2 /NDF: 939996.1/13

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5227.553 $\pm$ 1.169 χ^2 /NDF: 568322.7/12

Left: 5054.643 $\pm$ 0.799 χ^2 /NDF: 1549457.3/26

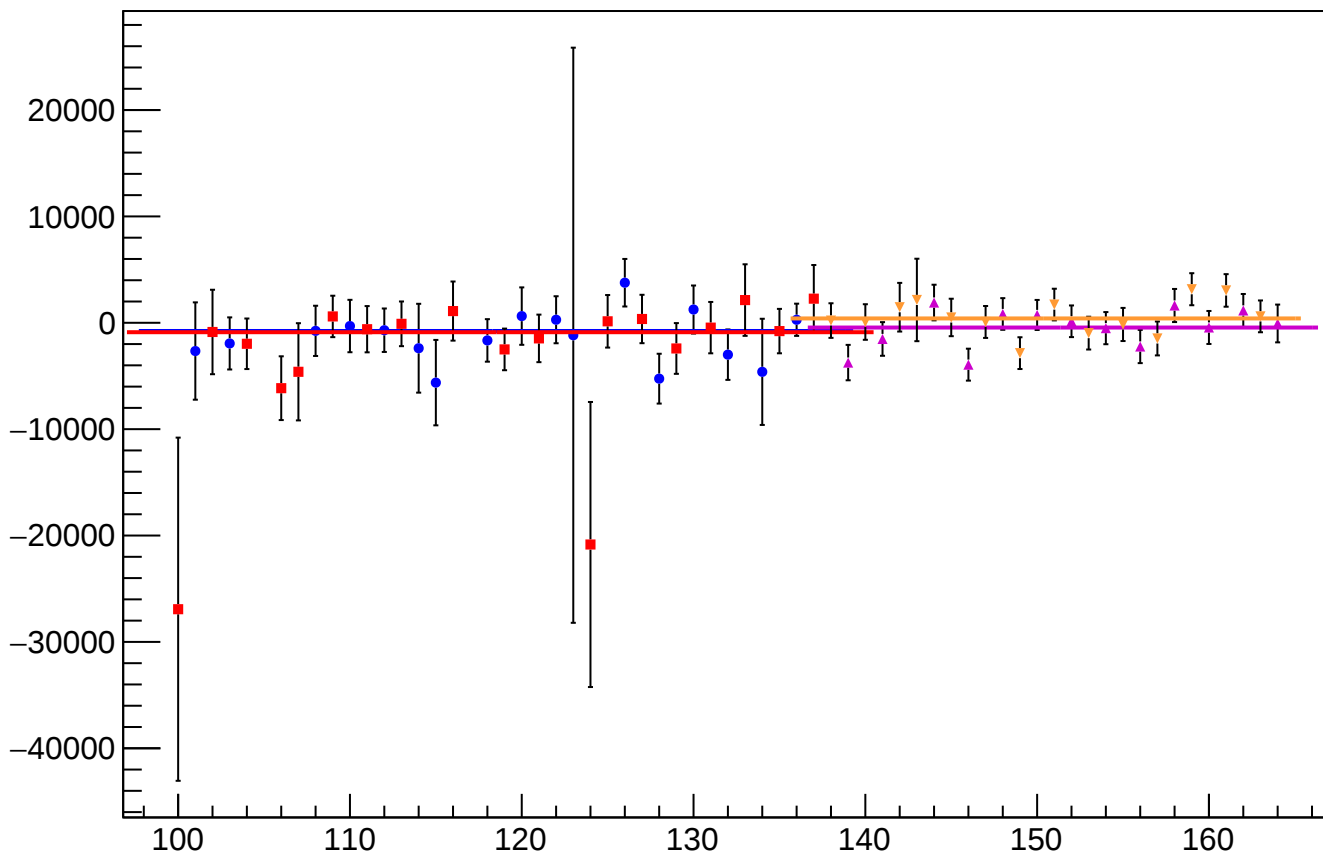
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4236.102 $\pm$ 0.771 χ^2 /NDF: 3605285.1/29

Out: 4007.342 $\pm$ 0.725 χ^2 /NDF: 4040370.9/32

All: 4114.683 $\pm$ 0.528 χ^2 /NDF: 7692324.0/62

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: 409.364+/-438.450 χ^2/NDF :14.7/13

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -446.437+/-431.283 χ^2/NDF :17.5/12

Left: -25.588+/-307.466 χ^2/NDF : 34.2/26

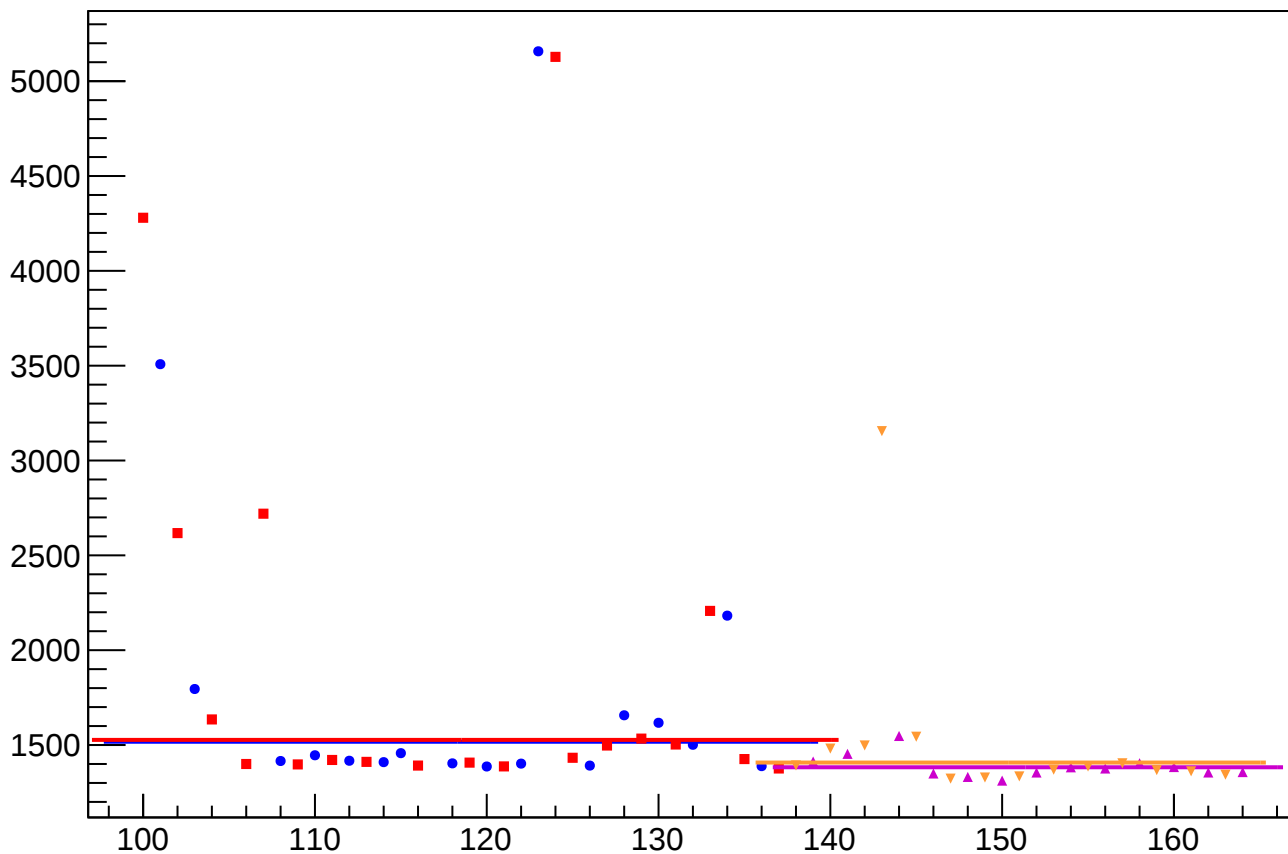
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -556.164+/-350.929 χ^2/NDF :31.0/29

Out: -46.141+/-352.980 χ^2/NDF :31.3/32

All: -302.638+/-248.866 χ^2/NDF : 63.3/62

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: 1407.560+/-0.310 χ^2/NDF : 450877.6/13

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1382.654+/-0.305 χ^2/NDF : 34489.1/12

Left: 1394.901+/-0.217 χ^2/NDF : 488646.7/26

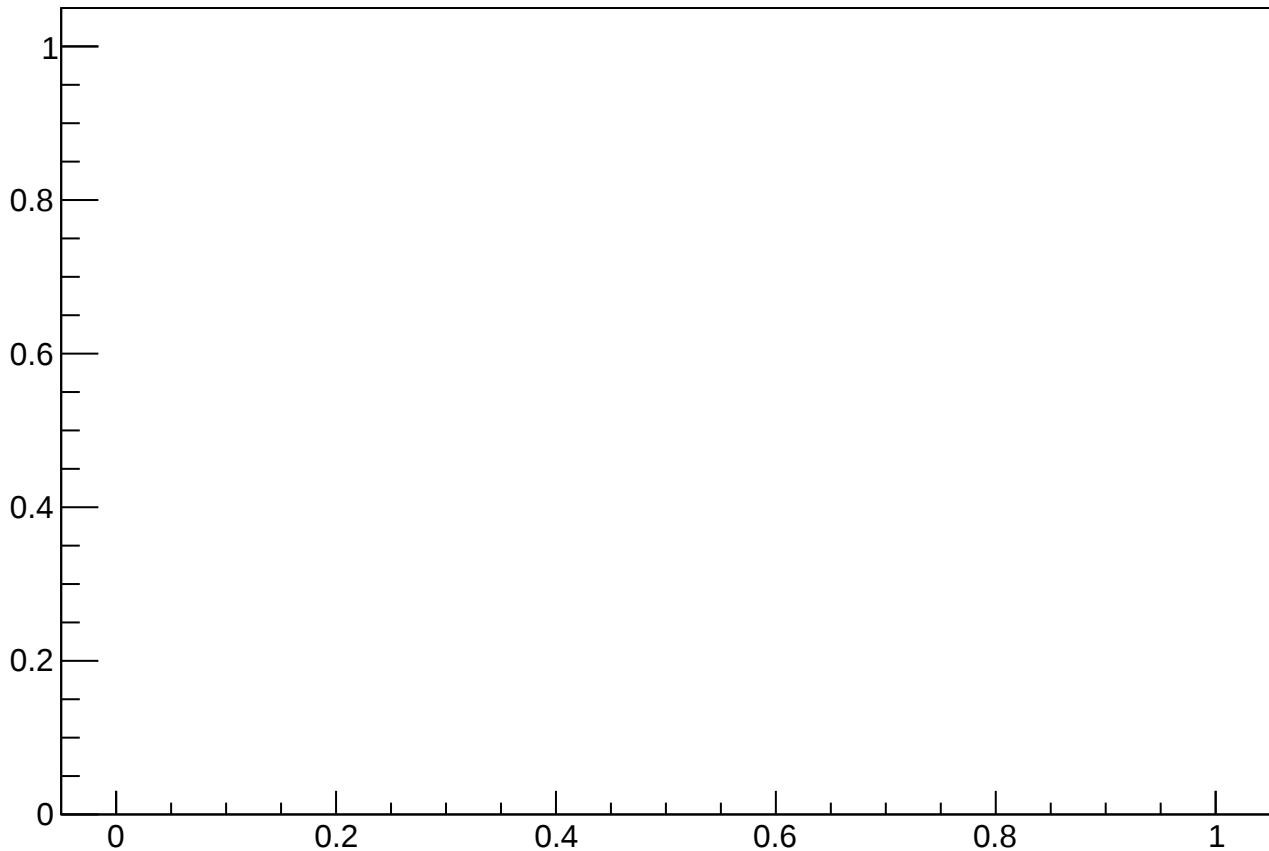
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1428.165+/-0.248 χ^2/NDF : 637058.1/29

Out: 1449.590+/-0.250 χ^2/NDF : 1134792.1/32

All: 1438.815+/-0.176 χ^2/NDF : 1775555.9/62

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

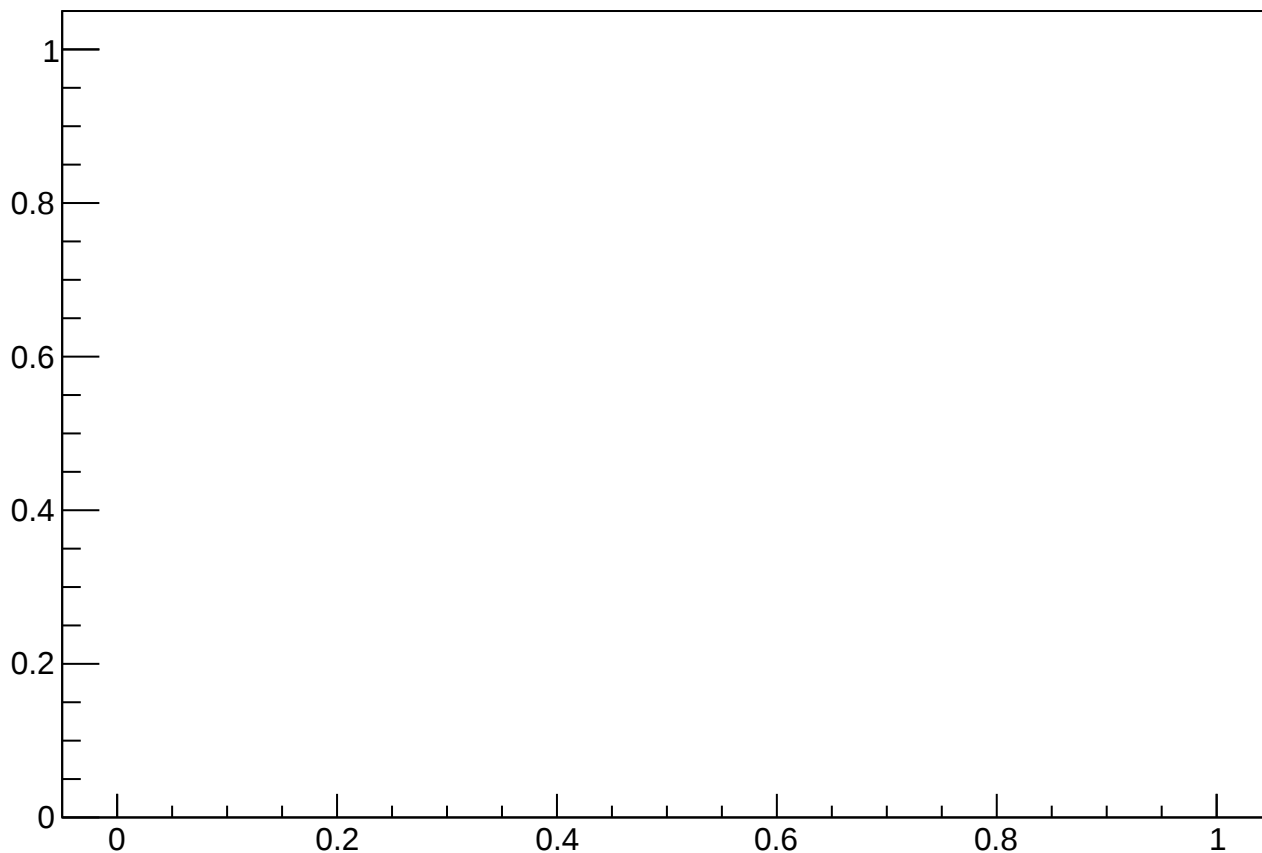
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

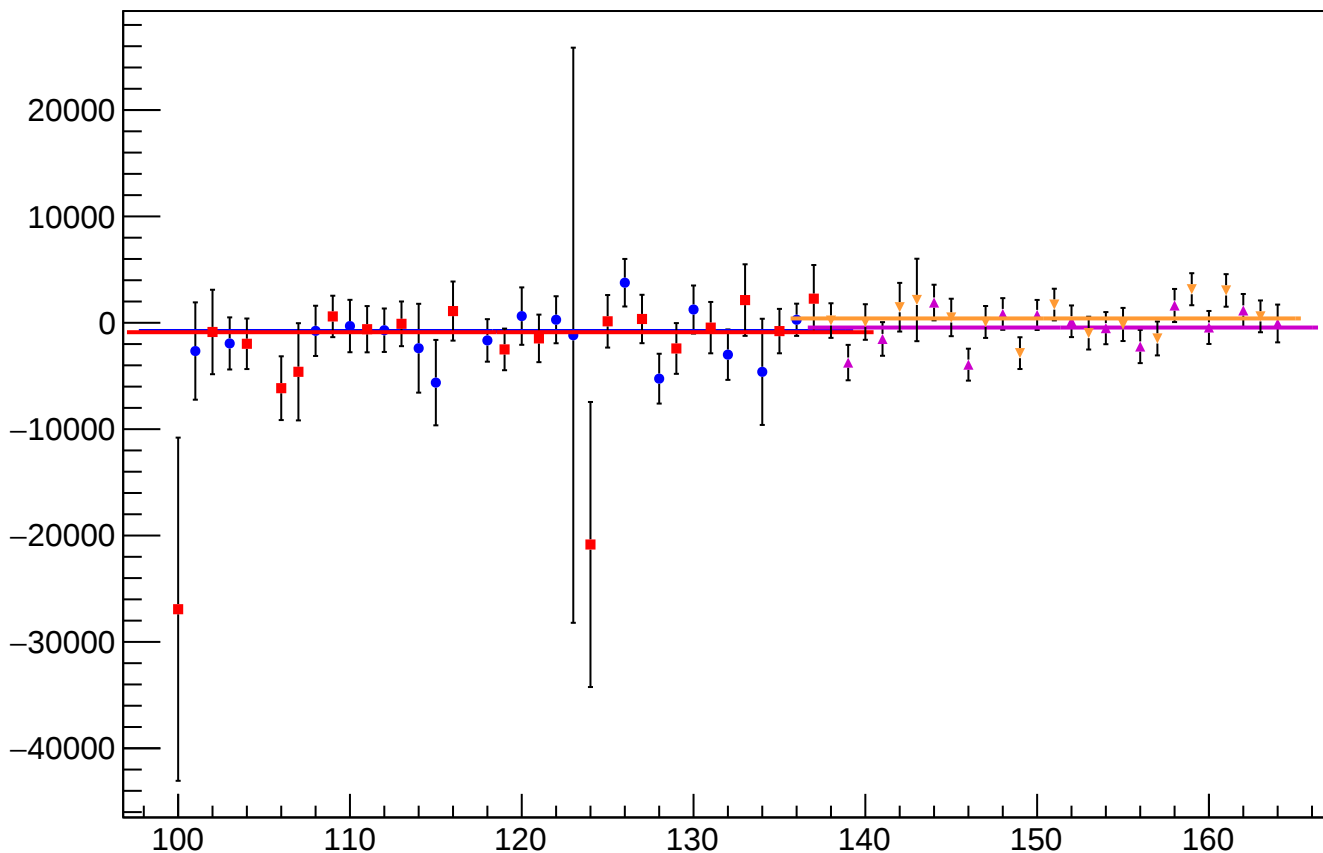
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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: 409.364+/-438.450 χ^2/NDF :14.7/13

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -446.437+/-431.283 χ^2/NDF :17.5/12

Left: -25.588+/-307.466 χ^2/NDF : 34.2/26

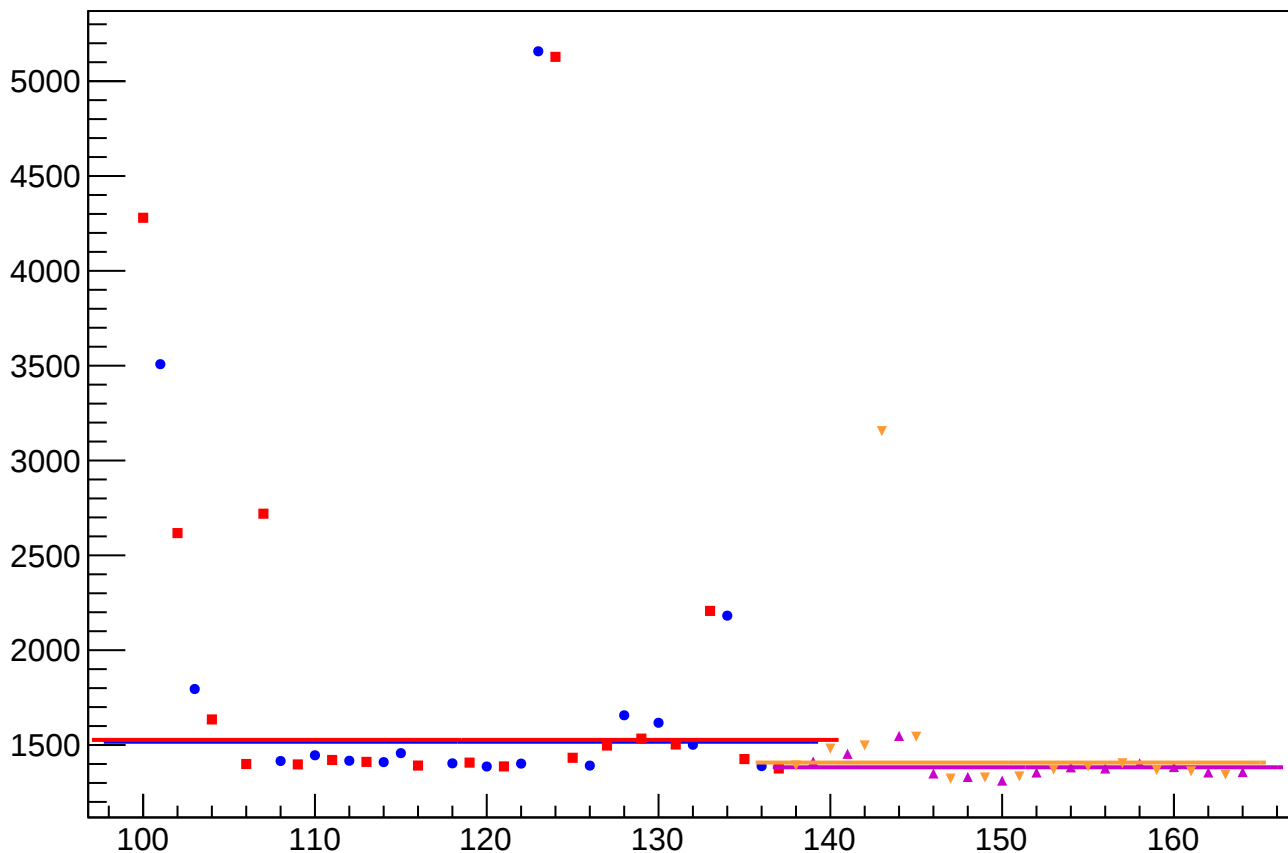
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -556.164+/-350.929 χ^2/NDF :31.0/29

Out: -46.141+/-352.980 χ^2/NDF :31.3/32

All: -302.638+/-248.866 χ^2/NDF : 63.3/62

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: 1407.560+/-0.310 χ^2/NDF : 450877.6/13

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1382.654+/-0.305 χ^2/NDF : 34489.1/12

Left: 1394.901+/-0.217 χ^2/NDF : 488646.7/26

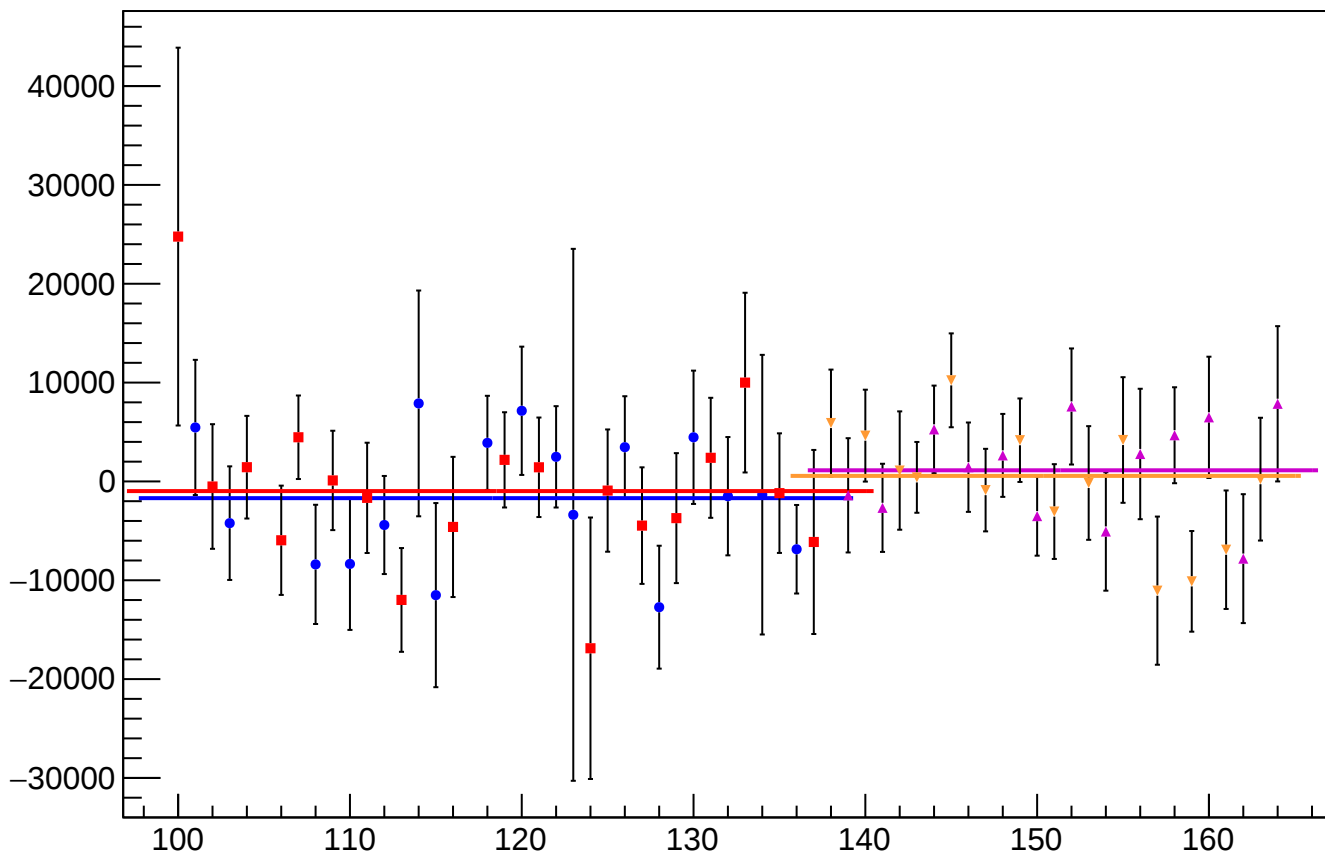
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1428.165+/-0.248 χ^2/NDF : 637058.1/29

Out: 1449.590+/-0.250 χ^2/NDF : 1134792.1/32

All: 1438.815+/-0.176 χ^2/NDF : 1775555.9/62

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 560.438 ± 1345.124 $\chi^2/\text{NDF}: 16.0/13$

Right Out: -977.899 ± 1378.874 $\chi^2/\text{NDF}: 13.9/18$

Left In: 1126.259 ± 1431.723 $\chi^2/\text{NDF}: 9.5/12$

Left: 825.720 ± 980.332 $\chi^2/\text{NDF}: 25.6/26$

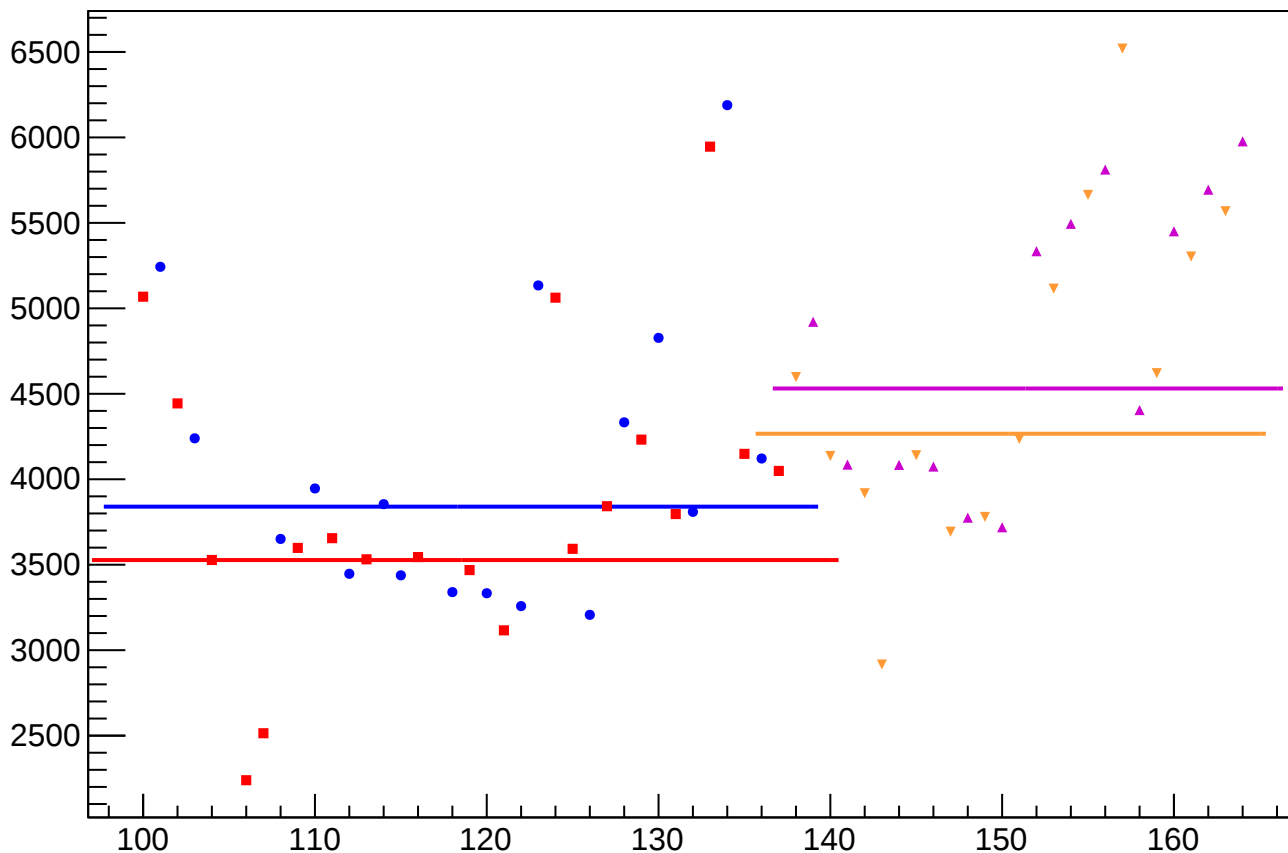
Right: -1302.190 ± 1019.117 $\chi^2/\text{NDF}: 29.9/35$

In: -205.488 ± 1039.907 $\chi^2/\text{NDF}: 27.2/29$

Out: -189.674 ± 962.857 $\chi^2/\text{NDF}: 30.6/32$

All: -196.973 ± 706.513 $\chi^2/\text{NDF}: 57.8/62$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4266.314+/-0.951 χ^2/NDF : 844100.6/13

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4531.141+/-1.012 χ^2/NDF : 559191.9/12

Left: 4390.477+/-0.693 χ^2/NDF : 1439638.6/26

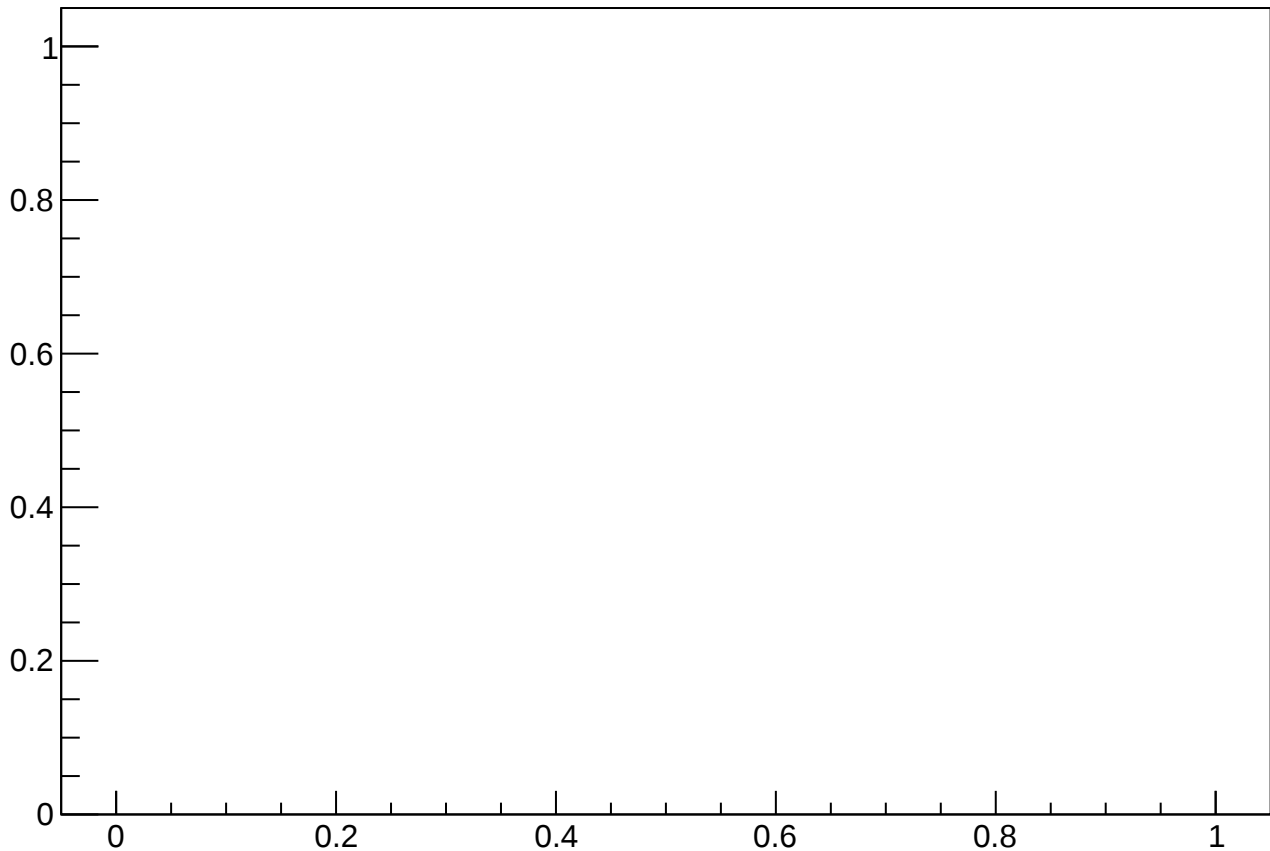
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4204.491+/-0.735 χ^2/NDF : 1105503.9/29

Out: 3902.600+/-0.678 χ^2/NDF : 1695989.7/32

All: 4041.279+/-0.498 χ^2/NDF : 2892622.2/62

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

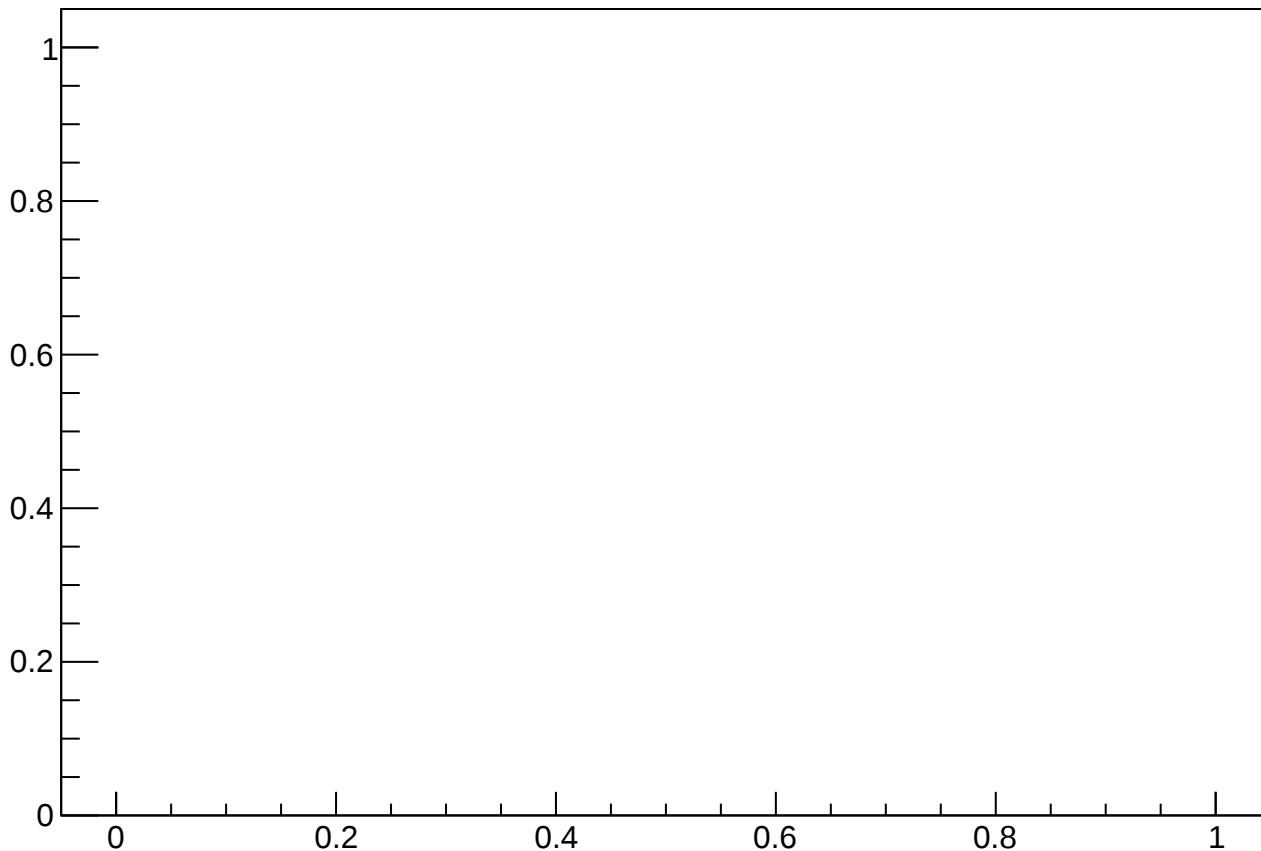
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

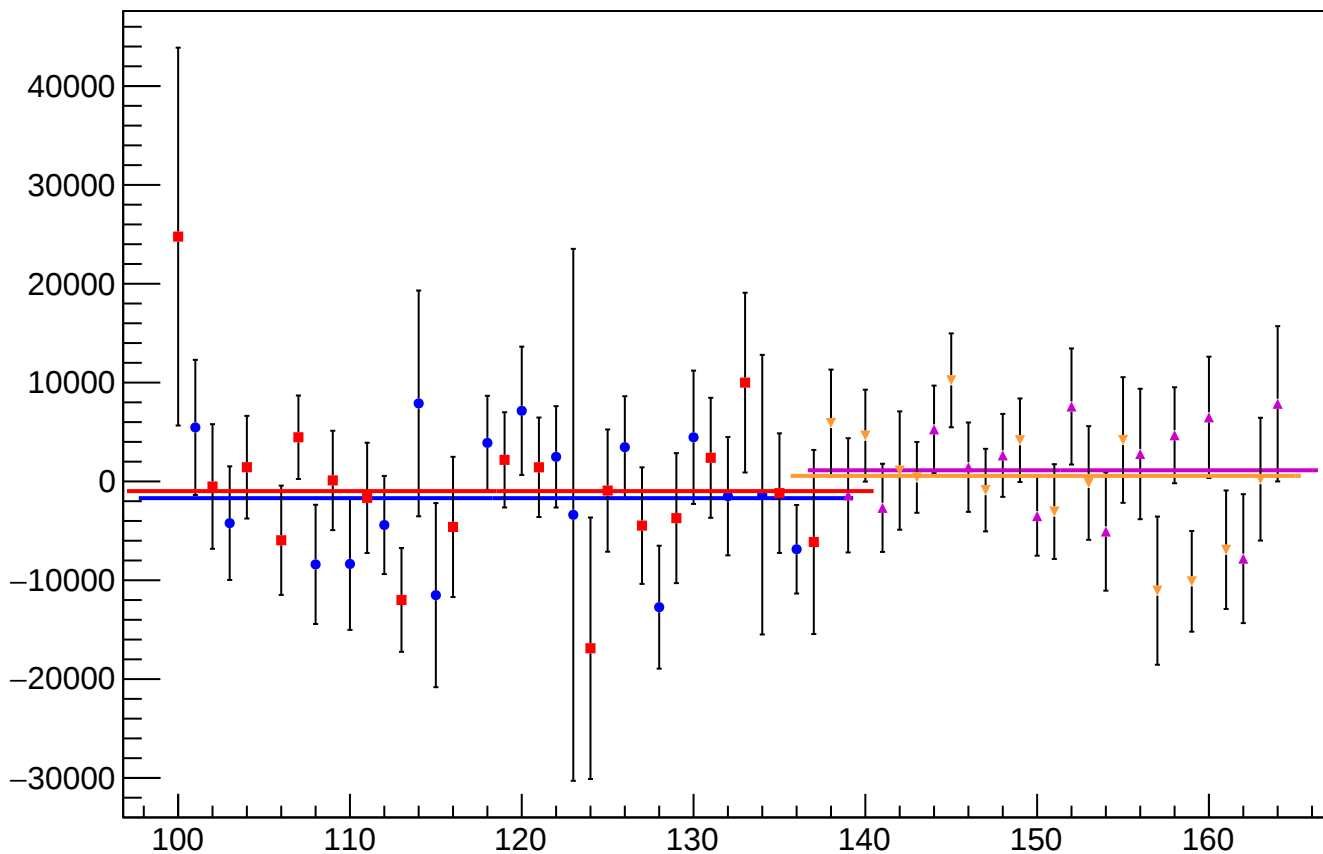
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 560.438 ± 1345.124 $\chi^2/\text{NDF}: 16.0/13$

Right Out: -977.899 ± 1378.874 $\chi^2/\text{NDF}: 13.9/18$

Left In: 1126.259 ± 1431.723 $\chi^2/\text{NDF}: 9.5/12$

Left: 825.720 ± 980.332 $\chi^2/\text{NDF}: 25.6/26$

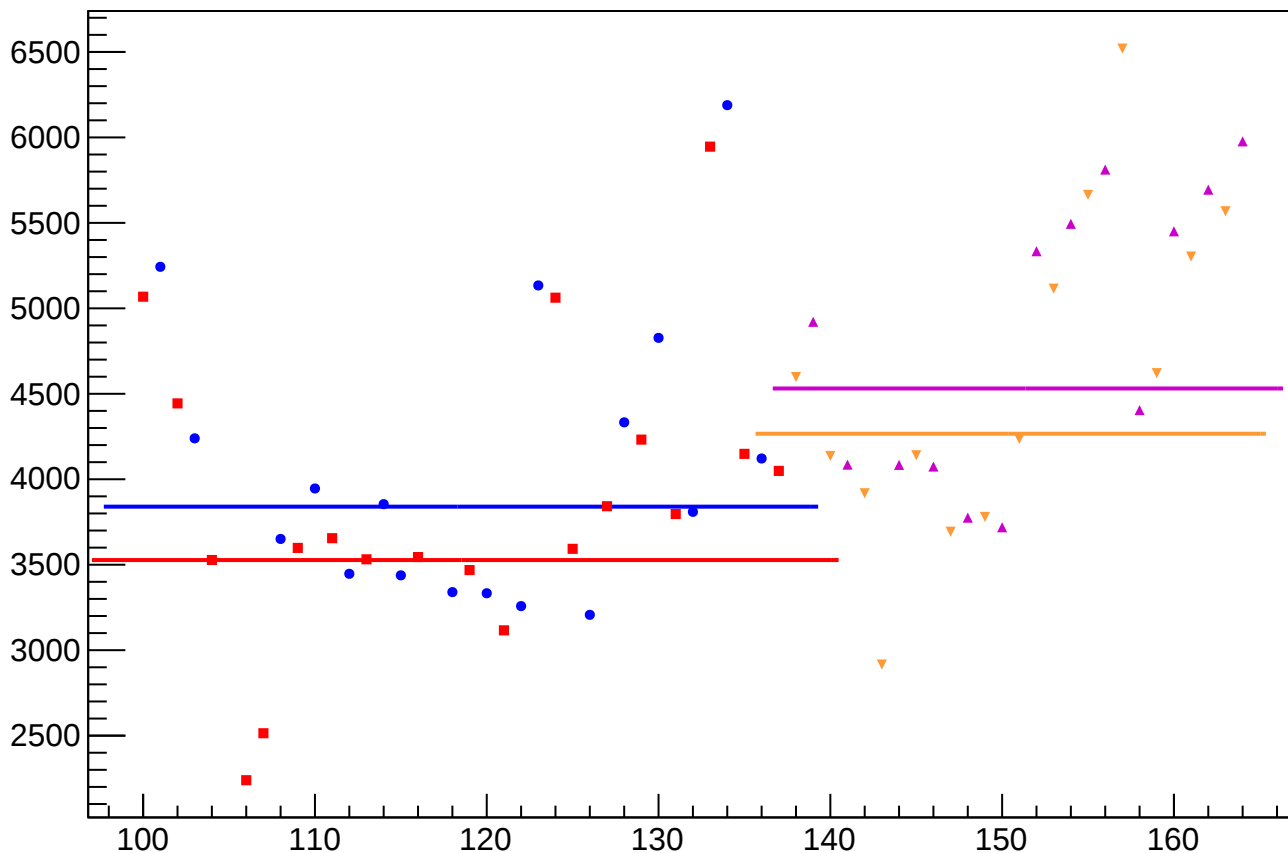
Right: -1302.190 ± 1019.117 $\chi^2/\text{NDF}: 29.9/35$

In: -205.488 ± 1039.907 $\chi^2/\text{NDF}: 27.2/29$

Out: -189.674 ± 962.857 $\chi^2/\text{NDF}: 30.6/32$

All: -196.973 ± 706.513 $\chi^2/\text{NDF}: 57.8/62$

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4266.314+/-0.951 χ^2/NDF : 844100.6/13

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4531.141+/-1.012 χ^2/NDF : 559191.9/12

Left: 4390.477+/-0.693 χ^2/NDF : 1439638.6/26

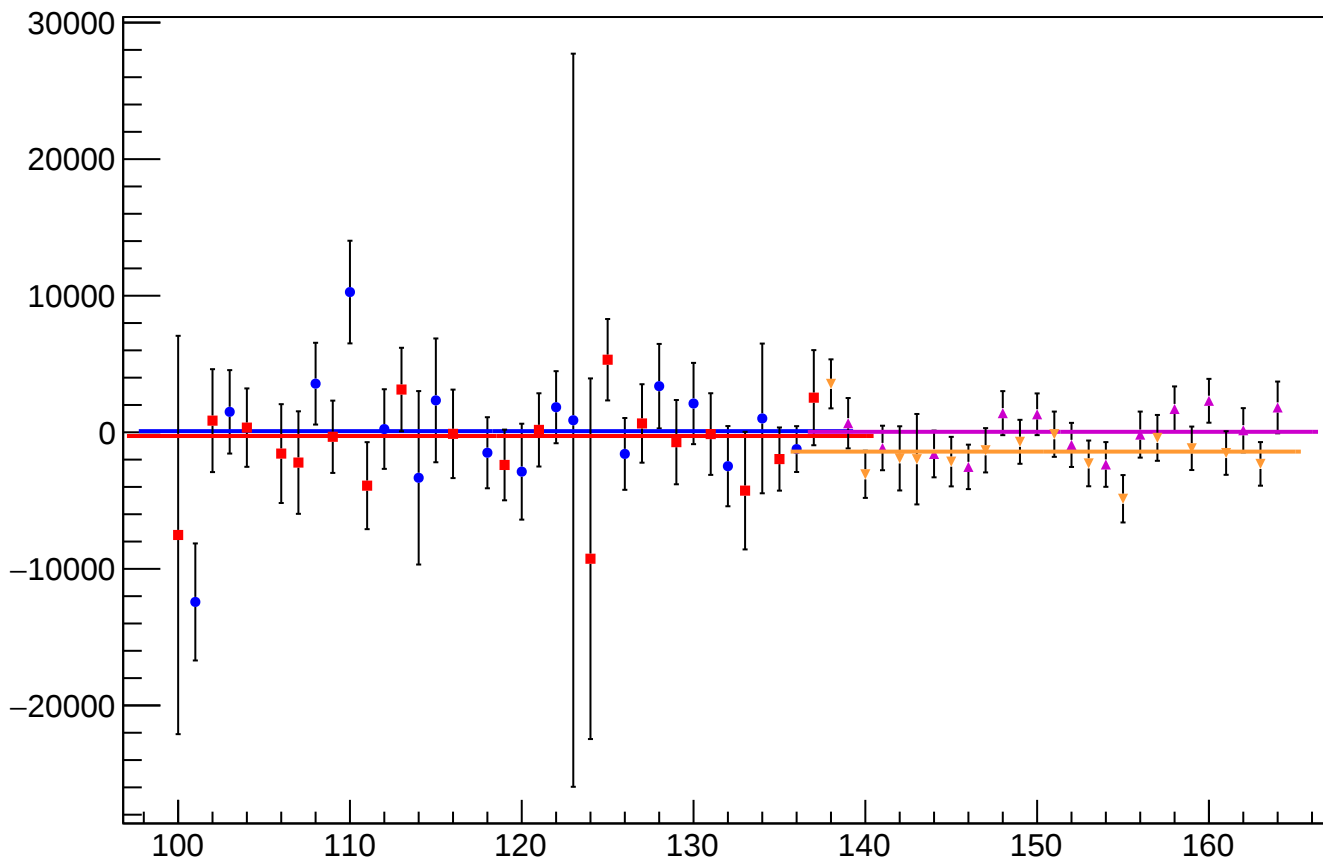
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4204.491+/-0.735 χ^2/NDF : 1105503.9/29

Out: 3902.600+/-0.678 χ^2/NDF : 1695989.7/32

All: 4041.279+/-0.498 χ^2/NDF : 2892622.2/62

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: -1414.370+/-467.470 χ^2/NDF :14.5/13

Right Out: -272.707+/-734.115 χ^2/NDF : 10.2/18

Left In: 34.763+/-459.930 χ^2/NDF :11.9/12

Left: -678.023+/-327.853 χ^2/NDF : 31.3/26

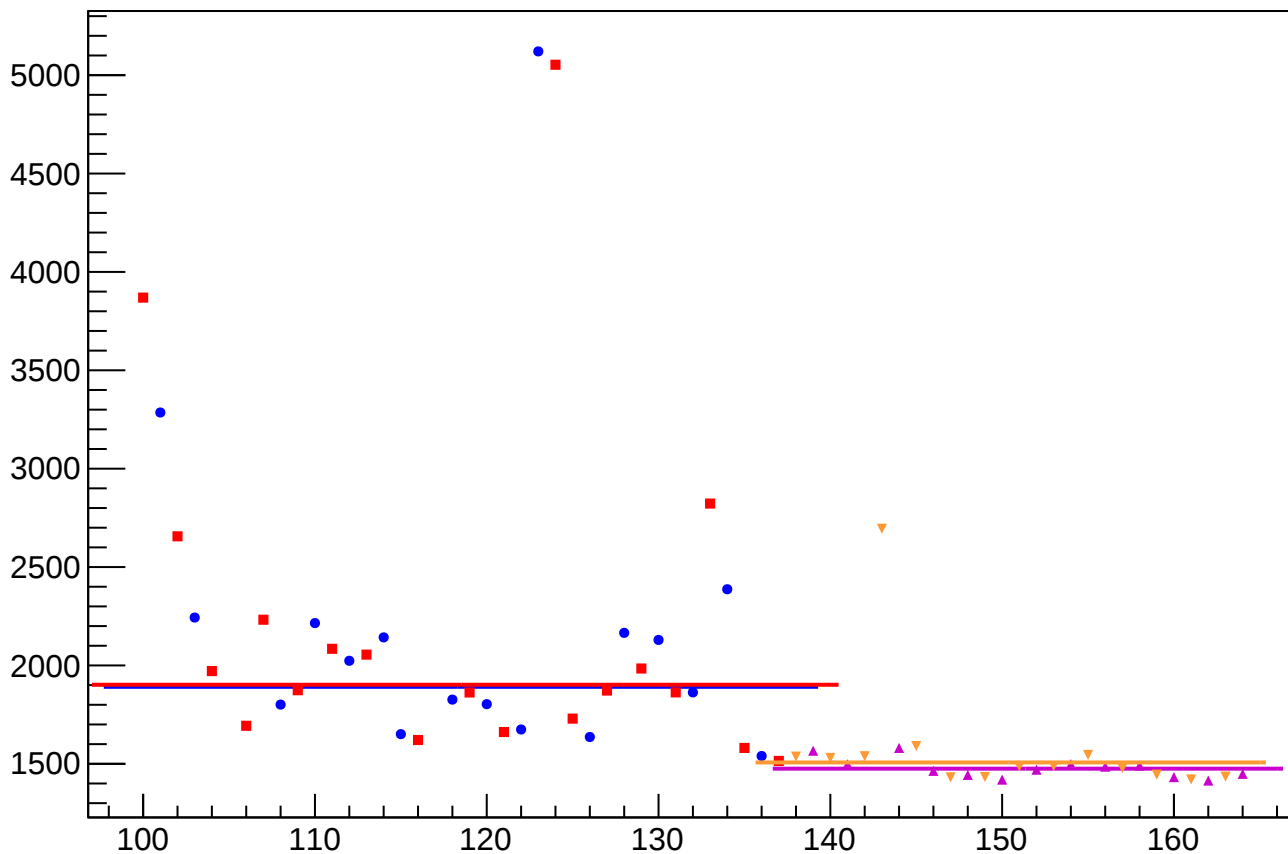
Right: -98.370+/-524.811 χ^2/NDF : 33.2/35

In: 48.167+/-392.157 χ^2/NDF :34.8/29

Out: -1084.996+/-394.312 χ^2/NDF :26.4/32

All: -515.309+/-278.055 χ^2/NDF : 65.3/62

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: 1506.951+/-0.331 χ^2 /NDF: 286540.1/13

Right Out: 1901.797+/-0.519 χ^2 /NDF: 460687.3/18

Left In: 1475.317+/-0.325 χ^2 /NDF: 21695.8/12

Left: 1490.877+/-0.232 χ^2 /NDF: 312889.4/26

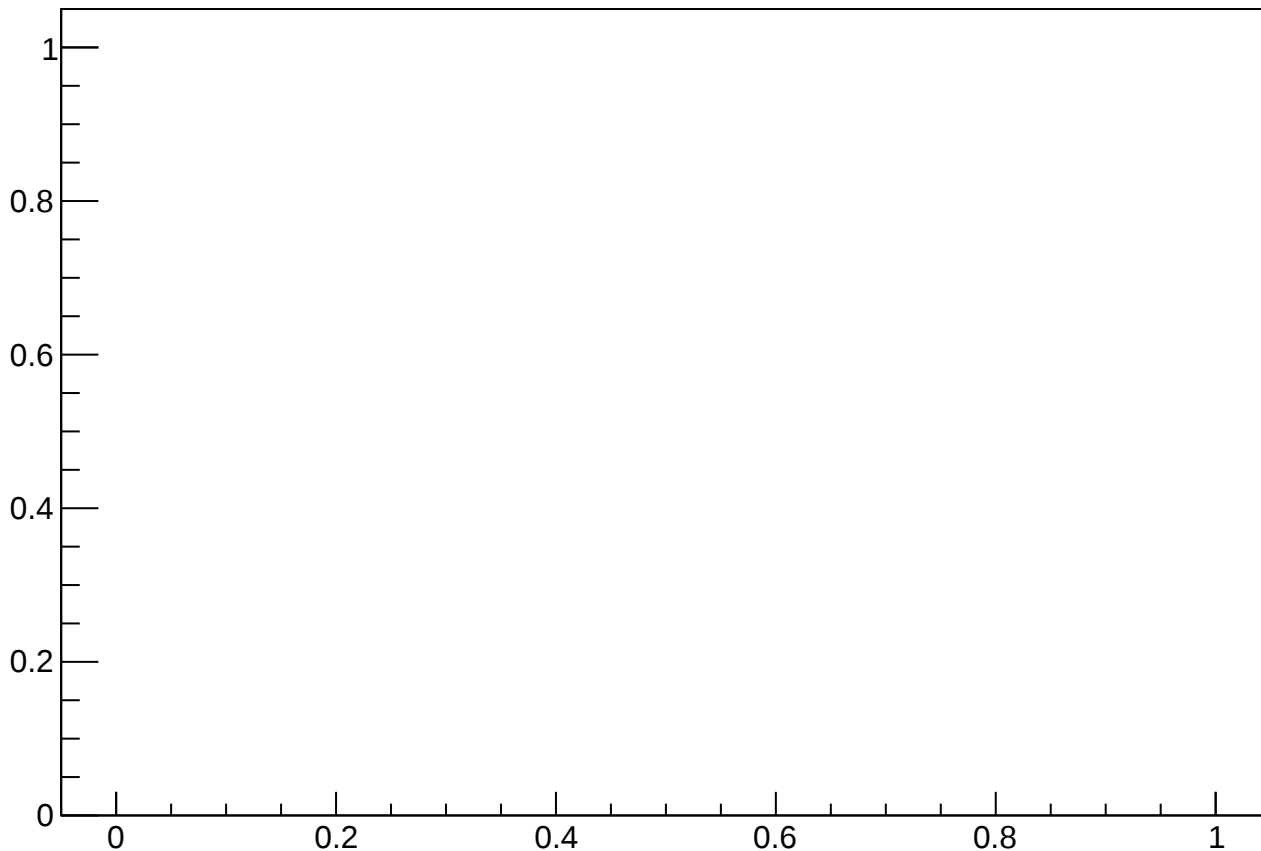
Right: 1896.759+/-0.371 χ^2 /NDF: 925377.5/35

In: 1588.934+/-0.277 χ^2 /NDF: 933250.2/29

Out: 1620.868+/-0.279 χ^2 /NDF: 1158889.5/32

All: 1604.813+/-0.197 χ^2 /NDF: 2098734.5/62

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

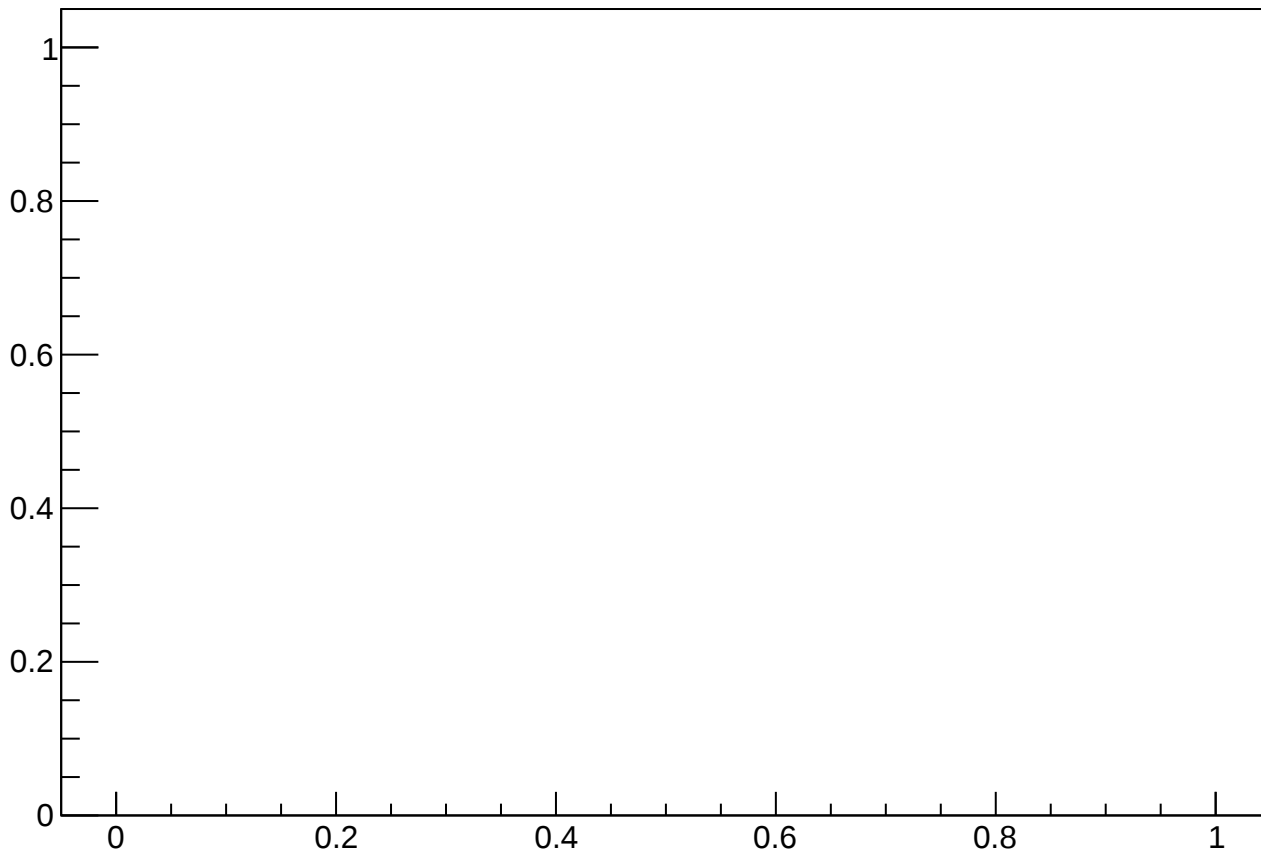
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

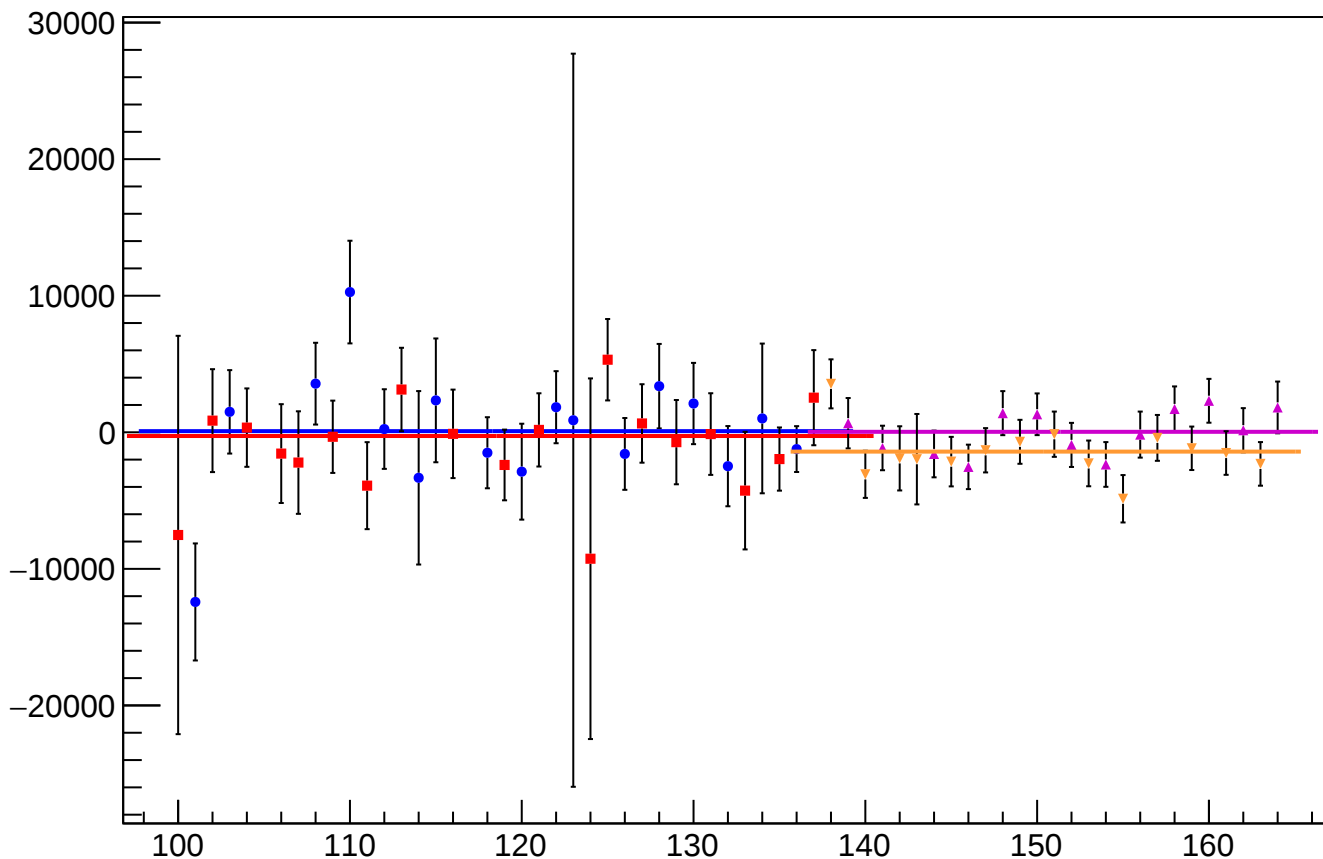
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1414.370 ± 467.470 $\chi^2/\text{NDF}: 14.5/13$

Right Out: -272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

Left In: 34.763 ± 459.930 $\chi^2/\text{NDF}: 11.9/12$

Left: -678.023 ± 327.853 $\chi^2/\text{NDF}: 31.3/26$

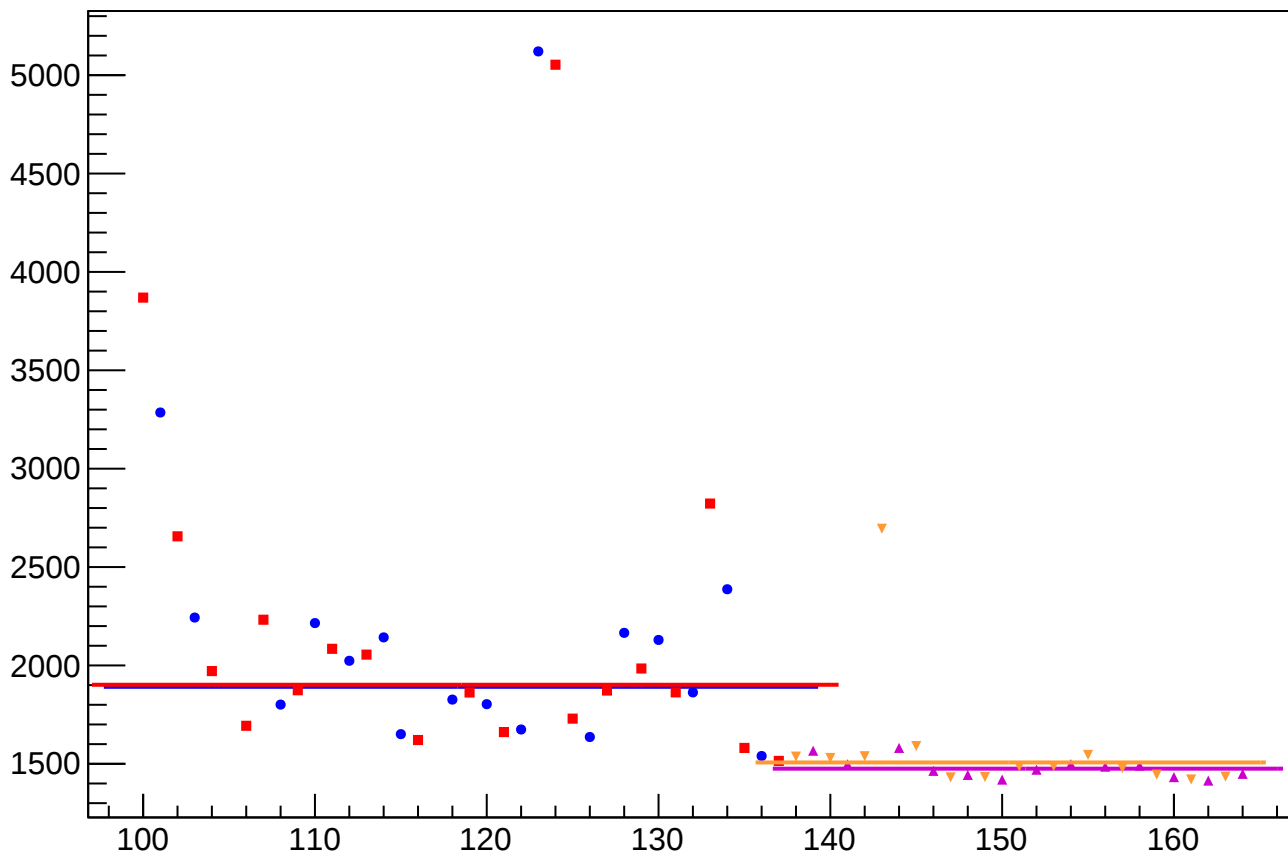
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: 48.167 ± 392.157 $\chi^2/\text{NDF}: 34.8/29$

Out: -1084.996 ± 394.312 $\chi^2/\text{NDF}: 26.4/32$

All: -515.309 ± 278.055 $\chi^2/\text{NDF}: 65.3/62$

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: 1506.951+/-0.331 χ^2/NDF : 286540.1/13

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1475.317+/-0.325 χ^2/NDF : 21695.8/12

Left: 1490.877+/-0.232 χ^2/NDF : 312889.4/26

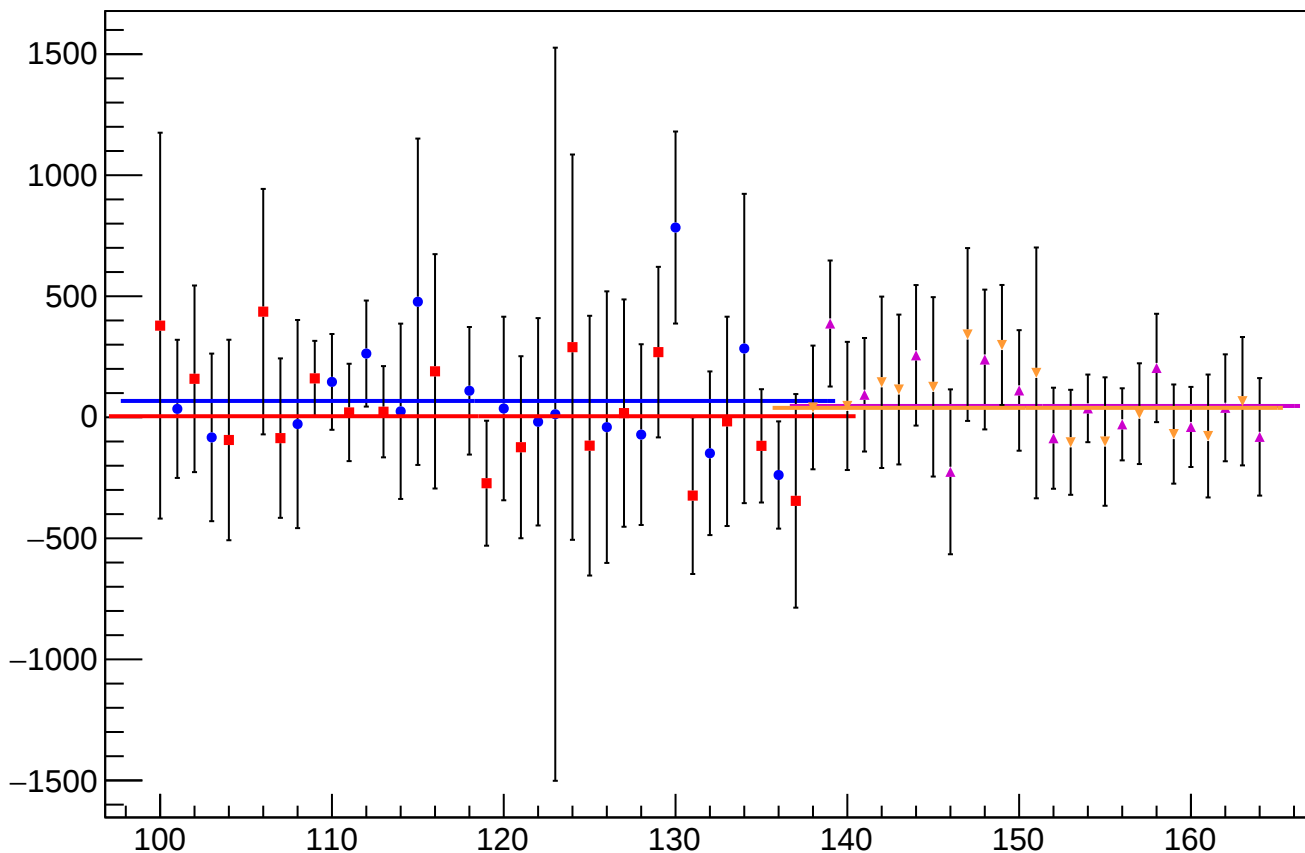
Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1588.934+/-0.277 χ^2/NDF : 933250.2/29

Out: 1620.868+/-0.279 χ^2/NDF : 1158889.5/32

All: 1604.813+/-0.197 χ^2/NDF : 2098734.5/62

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 38.931 $\pm$ 71.565 χ^2 /NDF:3.3/13

Right Out: 4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

Left In: 46.792 $\pm$ 58.235 χ^2 /NDF:5.1/12

Left: 43.661 $\pm$ 45.170 χ^2 /NDF: 8.5/26

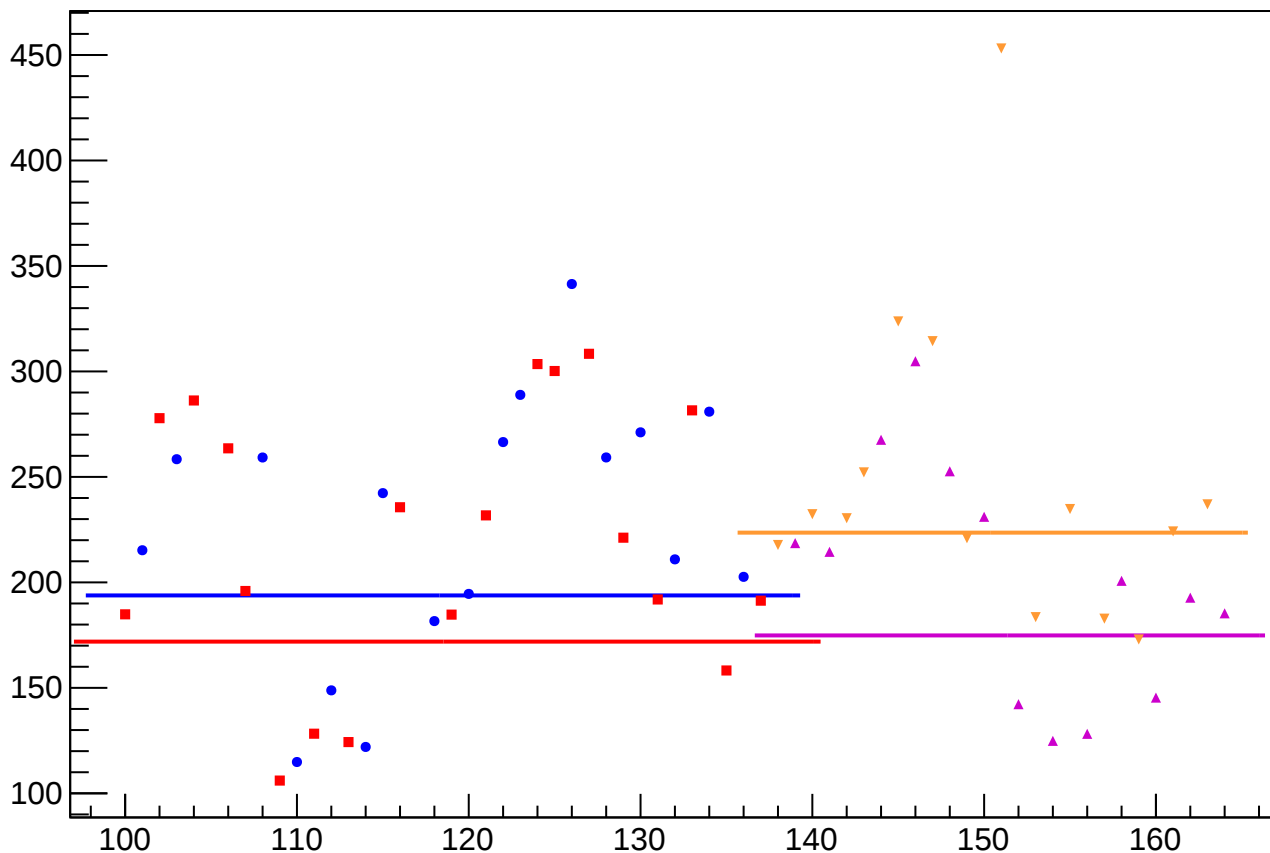
Right: 31.949 $\pm$ 52.572 χ^2 /NDF: 14.2/35

In: 54.025 $\pm$ 47.001 χ^2 /NDF:12.7/29

Out: 21.298 $\pm$ 50.045 χ^2 /NDF:9.8/32

All: 38.687 $\pm$ 34.260 χ^2 /NDF: 22.7/62

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 223.583+/-0.051 χ^2/NDF : 965117.1/13

Right Out: 171.920+/-0.050 χ^2/NDF : 1577076.0/18

Left In: 174.854+/-0.041 χ^2/NDF : 1464681.0/12

Left: 194.266+/-0.032 χ^2/NDF : 2987674.1/26

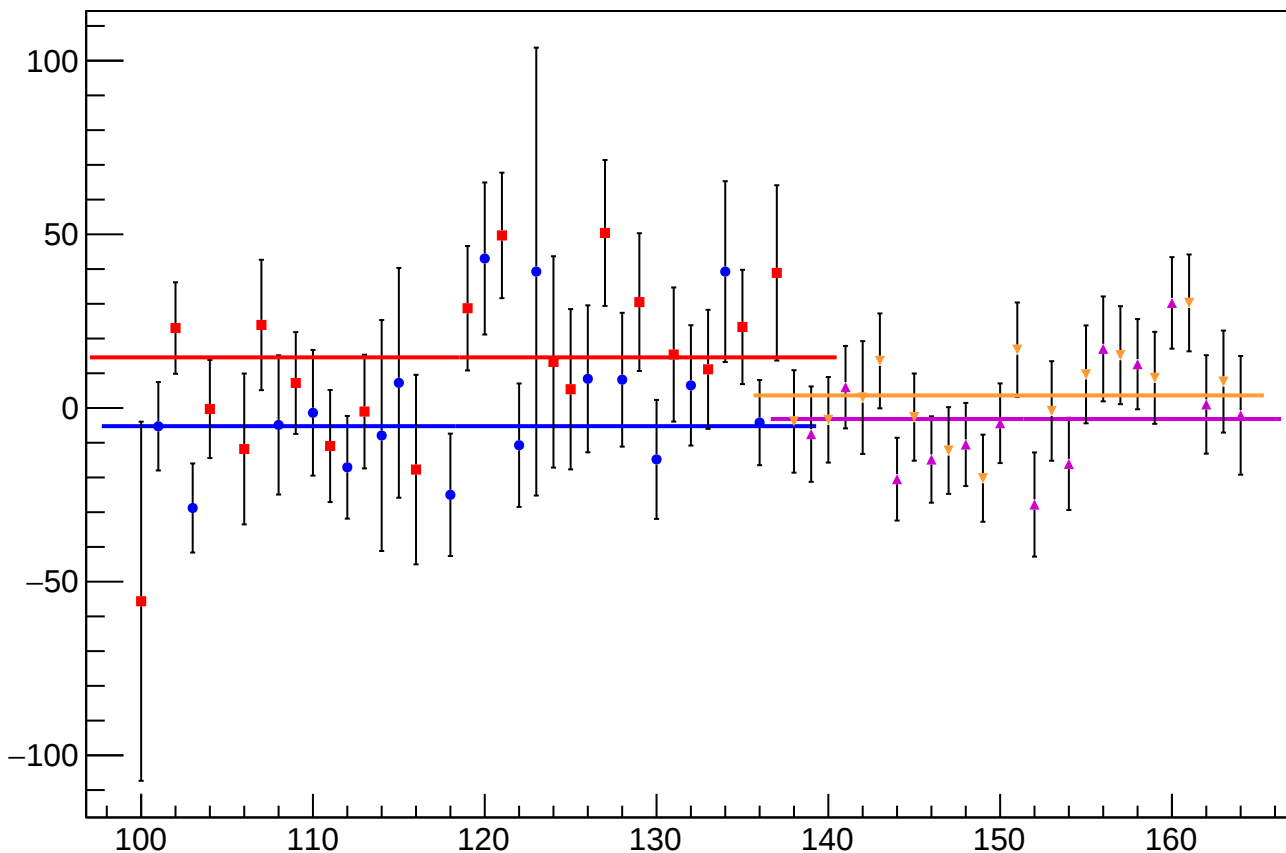
Right: 181.469+/-0.037 χ^2/NDF : 2672713.5/35

In: 181.463+/-0.033 χ^2/NDF : 2548919.9/29

Out: 197.184+/-0.035 χ^2/NDF : 3074789.5/32

All: 188.831+/-0.024 χ^2/NDF : 5728568.0/62

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 3.624 ± 3.644 χ^2/NDF : 12.4/13

Right Out: 14.579 ± 4.265 χ^2/NDF : 19.5/18

Left In: -3.164 ± 3.649 χ^2/NDF : 17.5/12

Left: 0.235 ± 2.578 χ^2/NDF : 31.6/26

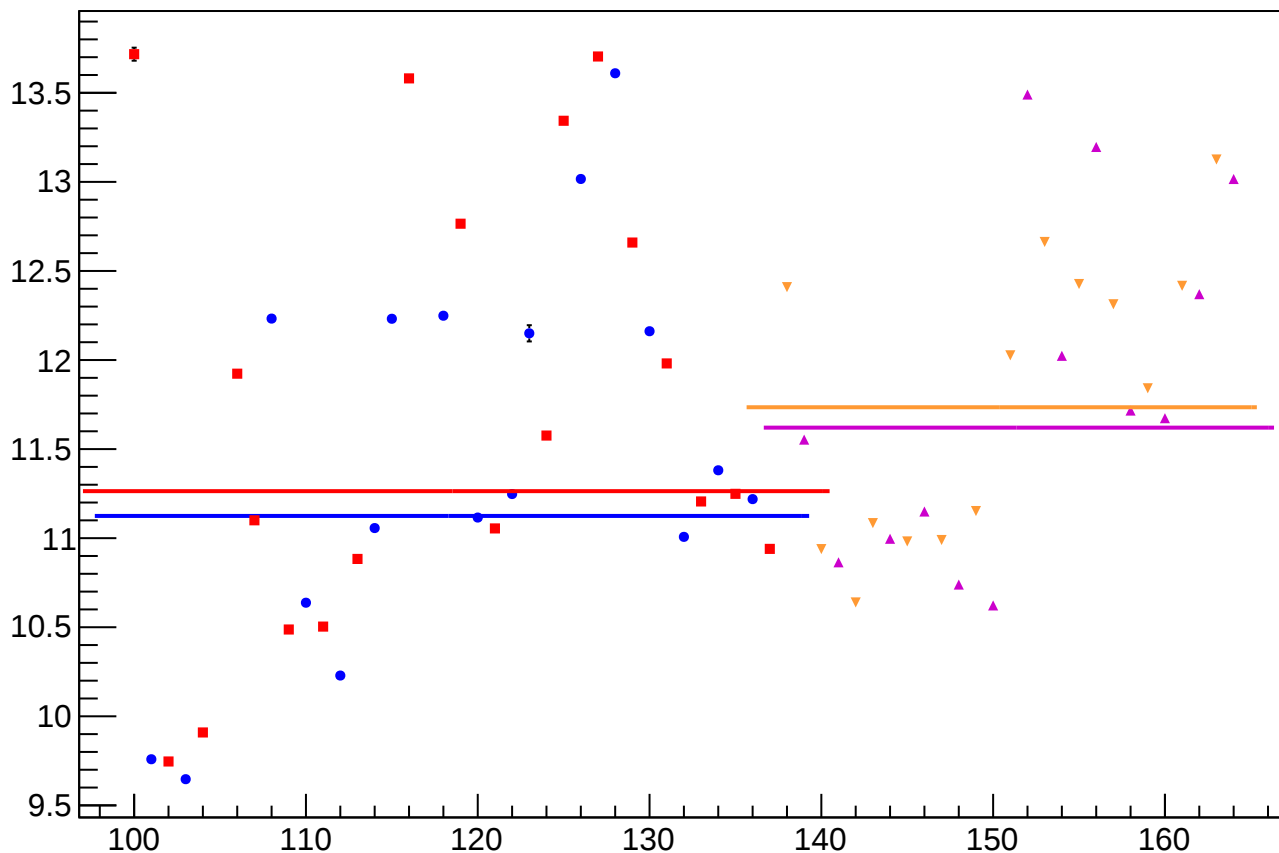
Right: 4.883 ± 3.047 χ^2/NDF : 45.6/35

In: -4.016 ± 2.797 χ^2/NDF : 33.2/29

Out: 8.247 ± 2.770 χ^2/NDF : 35.7/32

All: 2.174 ± 1.968 χ^2/NDF : 78.5/62

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125 $\pm$ 0.003 χ^2/NDF : 132520.1/16

Left Out: 11.735 $\pm$ 0.003 χ^2/NDF : 85186.4/13

Right Out: 11.264 $\pm$ 0.003 χ^2/NDF : 147733.2/18

Left In: 11.620 $\pm$ 0.003 χ^2/NDF : 116298.7/12

Left: 11.678 $\pm$ 0.002 χ^2/NDF : 202469.8/26

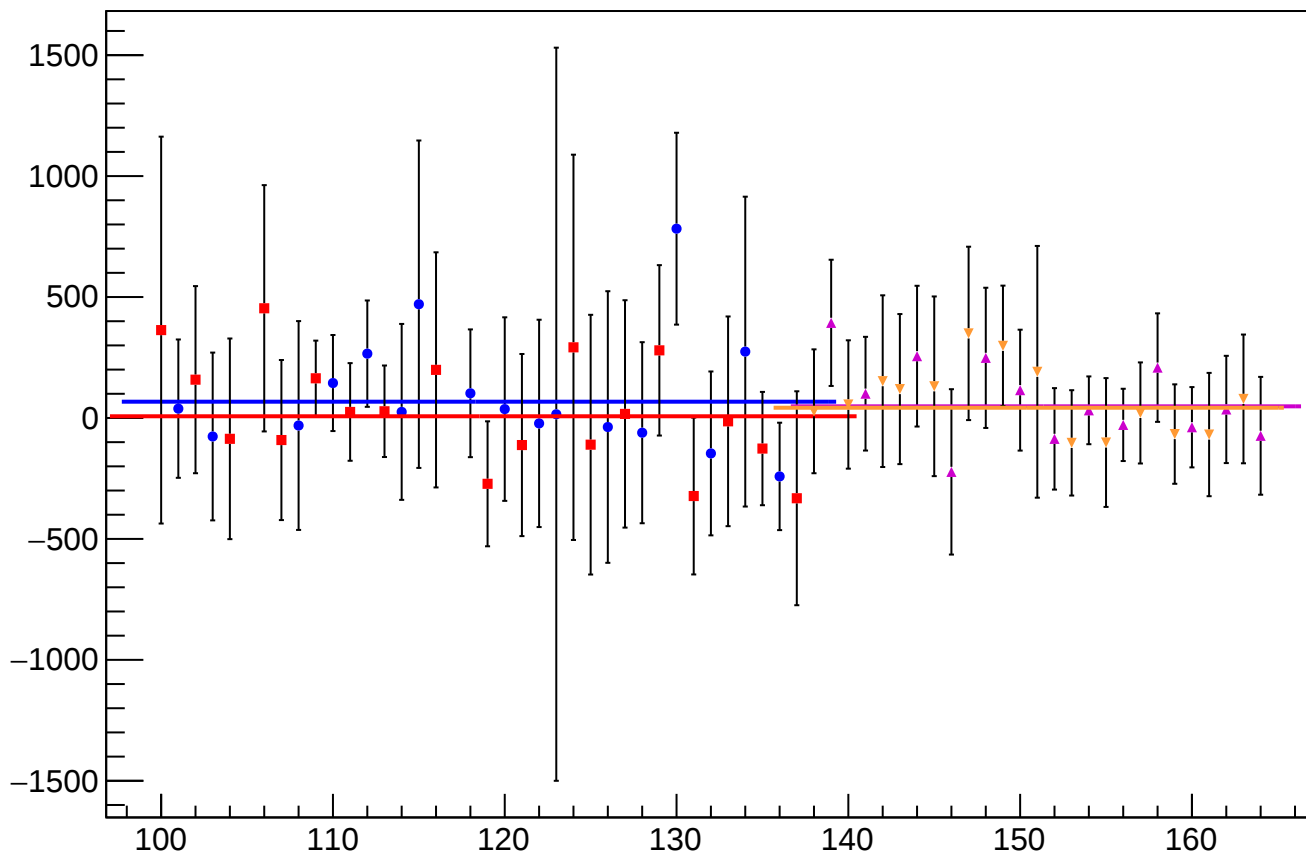
Right: 11.196 $\pm$ 0.002 χ^2/NDF : 281295.0/35

In: 11.416 $\pm$ 0.002 χ^2/NDF : 264035.5/29

Out: 11.536 $\pm$ 0.002 χ^2/NDF : 247015.3/32

All: 11.477 $\pm$ 0.001 χ^2/NDF : 512912.3/62

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305 ± 79.817 $\chi^2/\text{NDF}: 7.5/16$

Left Out: 42.334 ± 71.810 $\chi^2/\text{NDF}: 3.3/13$

Right Out: 7.039 ± 70.212 $\chi^2/\text{NDF}: 6.4/18$

Left In: 48.127 ± 58.431 $\chi^2/\text{NDF}: 5.2/12$

Left: 45.820 ± 45.323 $\chi^2/\text{NDF}: 8.5/26$

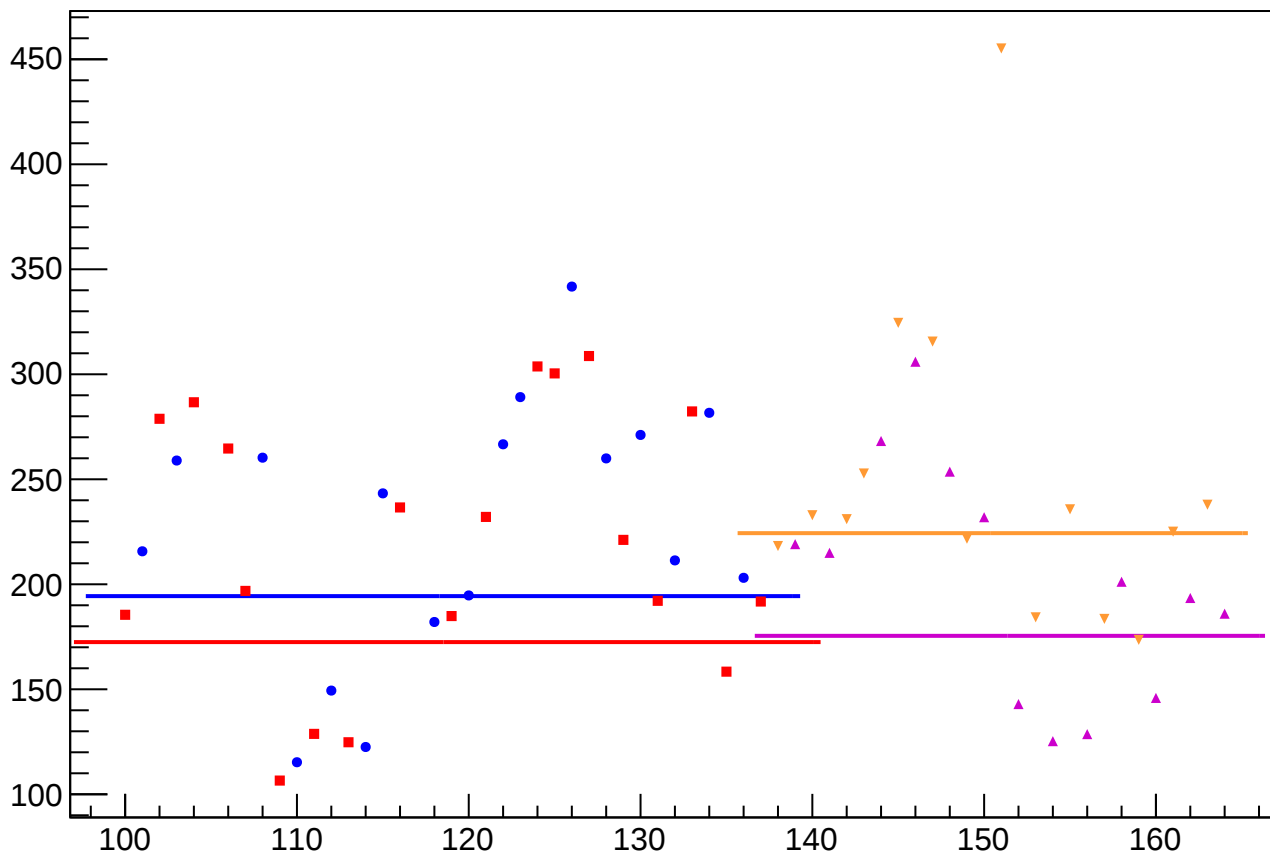
Right: 33.329 ± 52.718 $\chi^2/\text{NDF}: 14.2/35$

In: 54.819 ± 47.148 $\chi^2/\text{NDF}: 12.7/29$

Out: 24.289 ± 50.203 $\chi^2/\text{NDF}: 9.9/32$

All: 40.511 ± 34.368 $\chi^2/\text{NDF}: 22.8/62$

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: 224.349+/-0.051 χ^2/NDF : 964468.9/13

Right Out: 172.471+/-0.050 χ^2/NDF : 1569648.4/18

Left In: 175.452+/-0.041 χ^2/NDF : 1462435.6/12

Left: 194.930+/-0.032 χ^2/NDF : 2984833.0/26

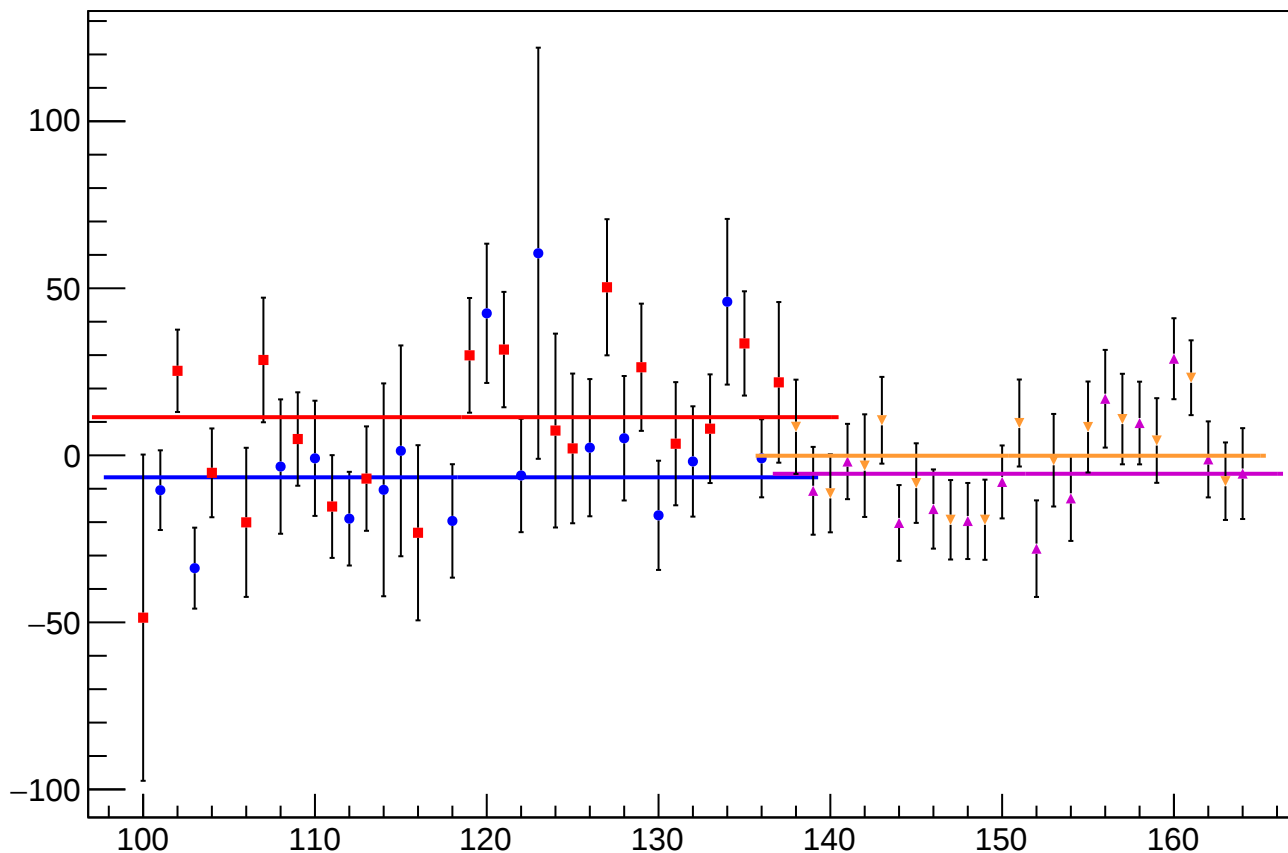
Right: 182.022+/-0.037 χ^2/NDF : 2659717.0/35

In: 182.051+/-0.033 χ^2/NDF : 2540787.1/29

Out: 197.827+/-0.035 χ^2/NDF : 3067762.3/32

All: 189.444+/-0.024 χ^2/NDF : 5713488.5/62

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

Left Out: -0.119 ± 3.387 χ^2/NDF : 14.2/13

Right Out: 11.423 ± 4.080 χ^2/NDF : 23.0/18

Left In: -5.520 ± 3.395 χ^2/NDF : 19.1/12

Left: -2.813 ± 2.398 χ^2/NDF : 34.6/26

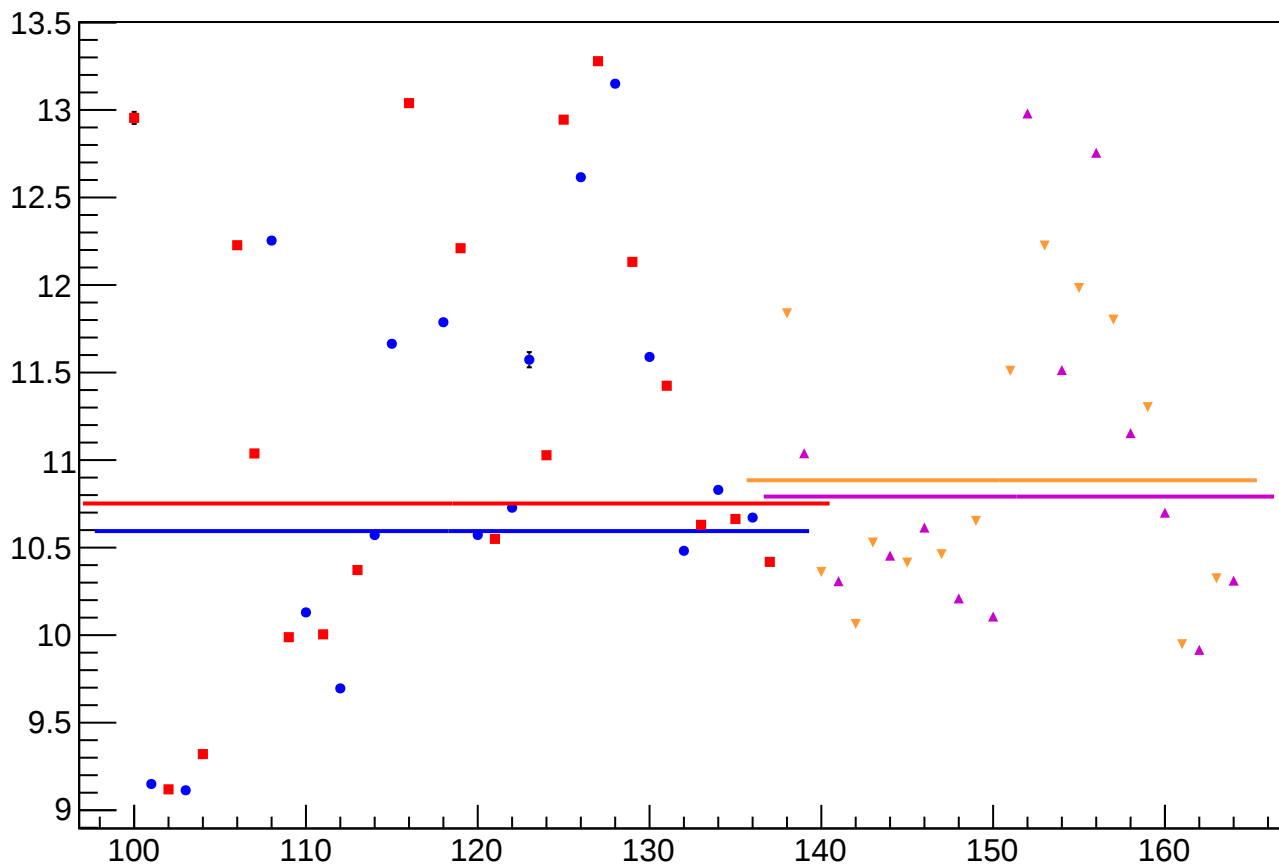
Right: 2.593 ± 2.912 χ^2/NDF : 51.8/35

In: -5.942 ± 2.630 χ^2/NDF : 38.5/29

Out: 4.590 ± 2.606 χ^2/NDF : 41.9/32

All: -0.628 ± 1.851 χ^2/NDF : 88.5/62

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 $\pm$ 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.885 $\pm$ 0.002 χ^2/NDF : 93121.1/13

Right Out: 10.752 $\pm$ 0.003 χ^2/NDF : 177173.0/18

Left In: 10.792 $\pm$ 0.002 χ^2/NDF : 124227.1/12

Left: 10.838 $\pm$ 0.002 χ^2/NDF : 218103.5/26

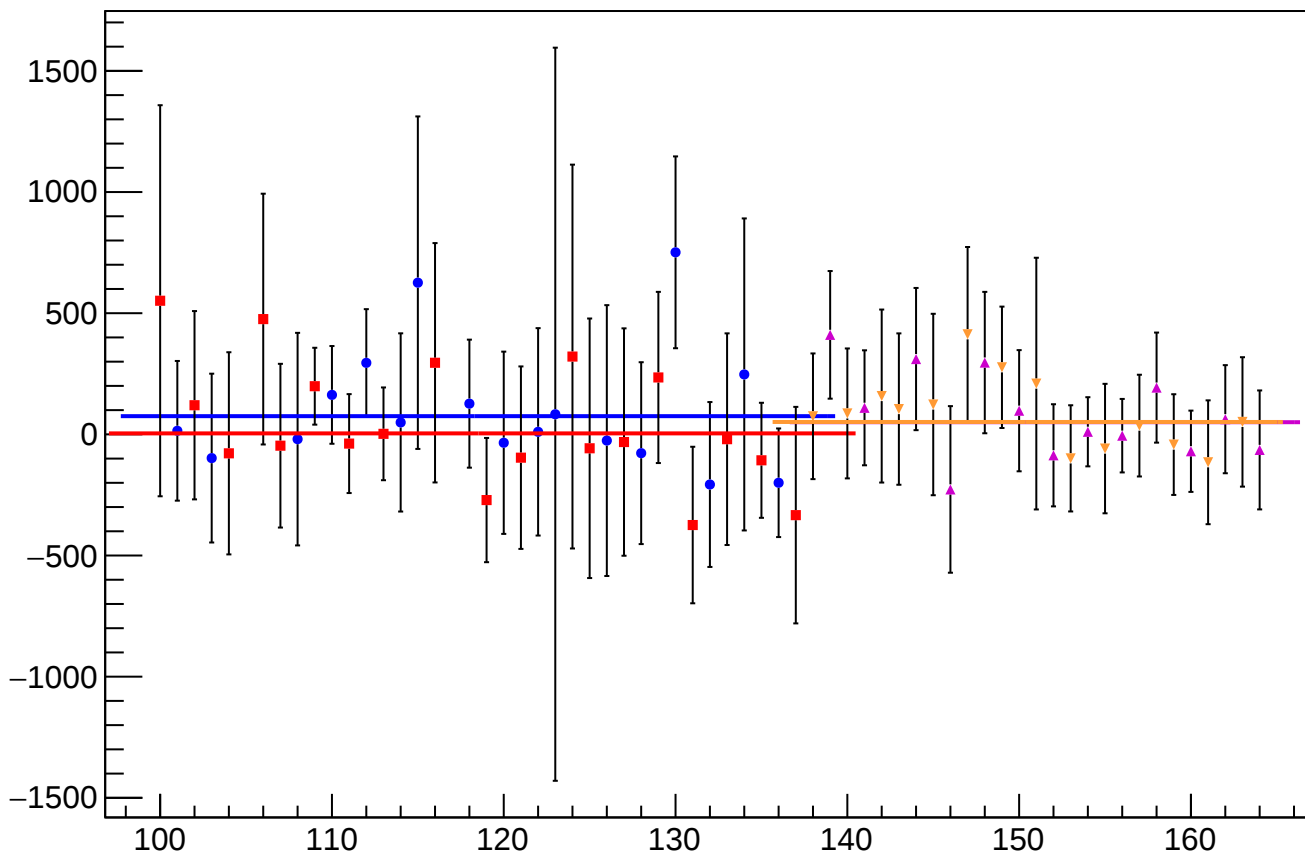
Right: 10.675 $\pm$ 0.002 χ^2/NDF : 338695.4/35

In: 10.713 $\pm$ 0.002 χ^2/NDF : 286984.3/29

Out: 10.831 $\pm$ 0.002 χ^2/NDF : 271548.3/32

All: 10.772 $\pm$ 0.001 χ^2/NDF : 560561.1/62

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 51.105 $\pm$ 72.286 χ^2 /NDF:3.4/13

Right Out: 3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

Left In: 50.162 $\pm$ 59.056 χ^2 /NDF:5.9/12

Left: 50.539 $\pm$ 45.734 χ^2 /NDF: 9.2/26

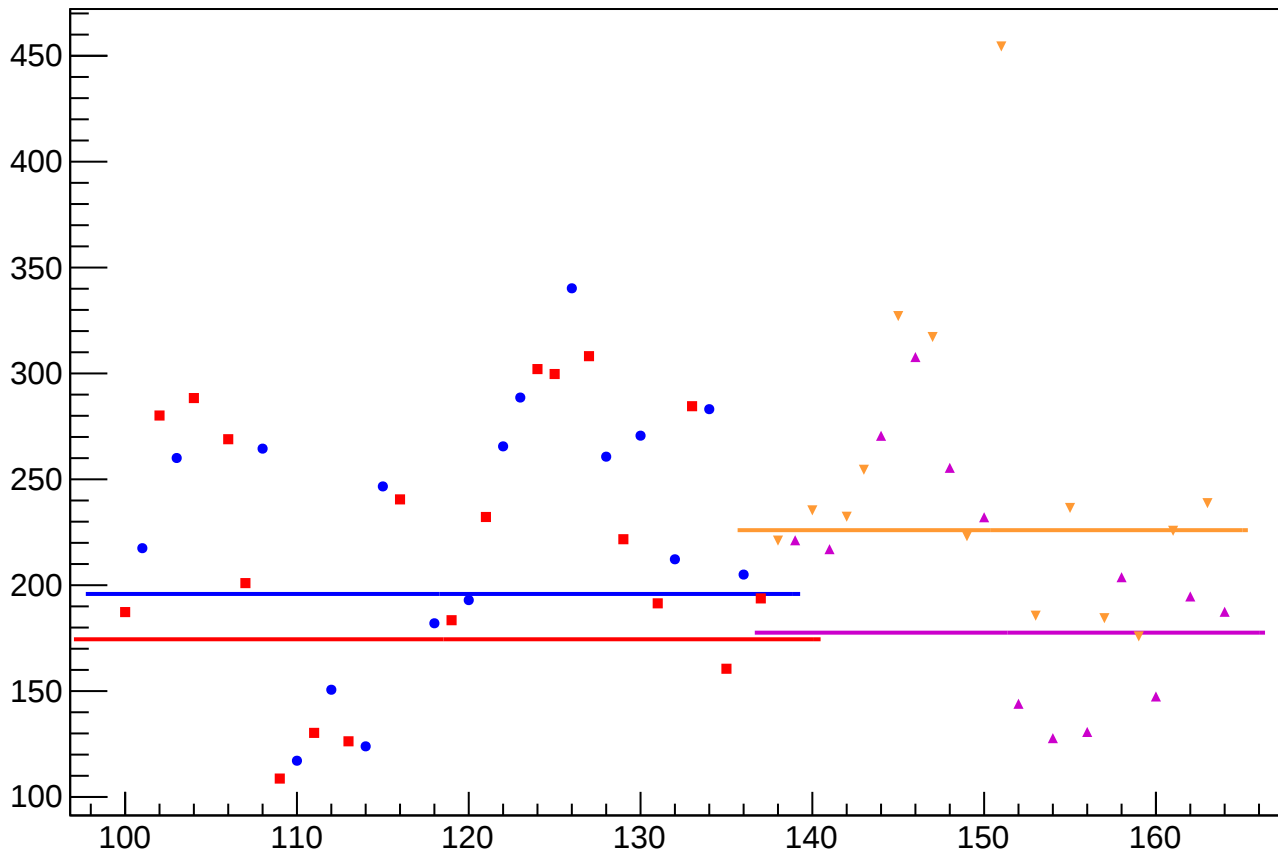
Right: 35.109 $\pm$ 53.156 χ^2 /NDF: 15.5/35

In: 58.903 $\pm$ 47.586 χ^2 /NDF:13.6/29

Out: 27.090 $\pm$ 50.610 χ^2 /NDF:10.9/32

All: 43.976 $\pm$ 34.668 χ^2 /NDF: 24.8/62

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: 225.989 $\pm$ 0.051 χ^2 /NDF: 952122.7/13

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

Left In: 177.591 $\pm$ 0.042 χ^2 /NDF: 1426683.9/12

Left: 196.964 $\pm$ 0.032 χ^2 /NDF: 2916476.4/26

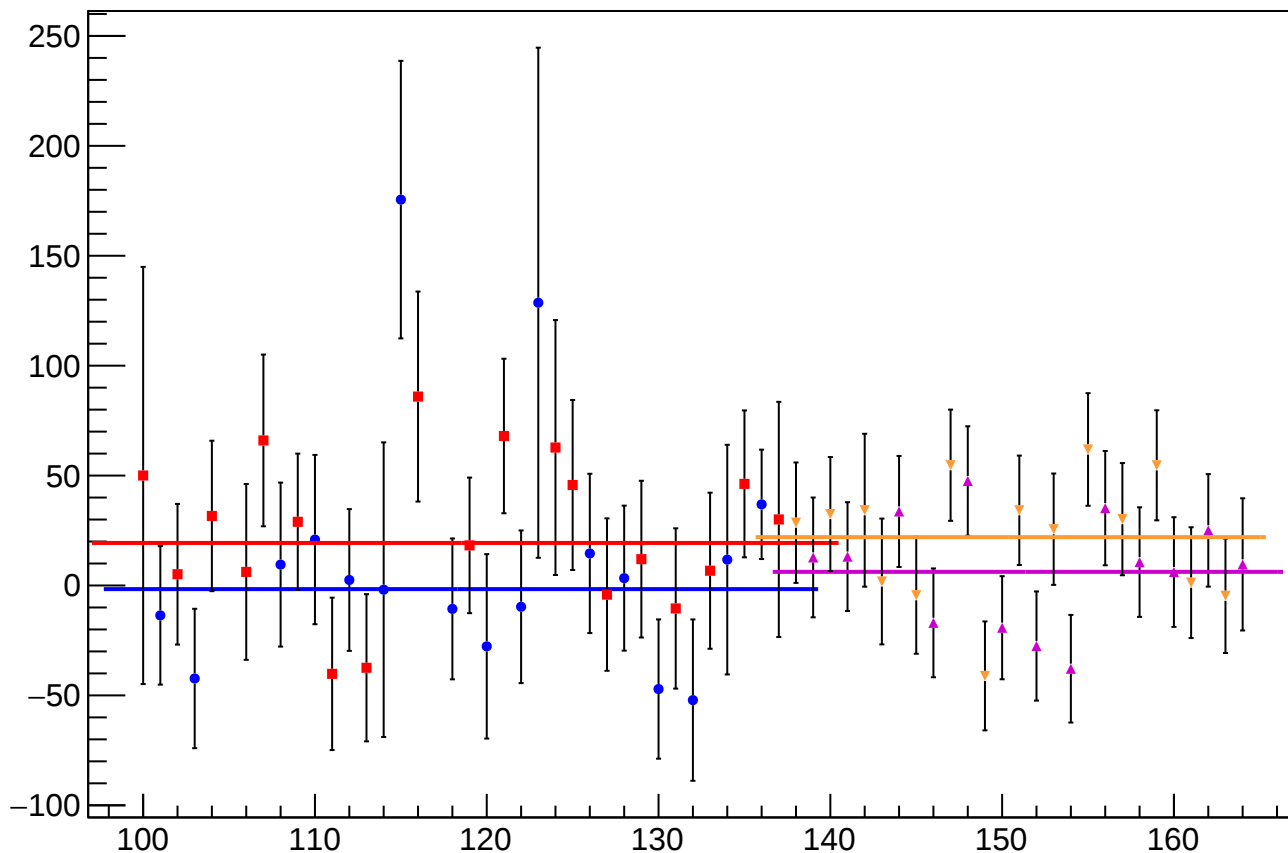
Right: 183.832 $\pm$ 0.038 χ^2 /NDF: 2587830.9/35

In: 184.002 $\pm$ 0.034 χ^2 /NDF: 2473120.5/29

Out: 199.722 $\pm$ 0.036 χ^2 /NDF: 2998907.9/32

All: 191.378 $\pm$ 0.025 χ^2 /NDF: 5574450.4/62

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 $\chi^2/\text{NDF}: 18.5/16$

Left Out: 21.986 ± 7.010 $\chi^2/\text{NDF}: 16.2/13$

Right Out: 19.357 ± 8.556 $\chi^2/\text{NDF}: 14.8/18$

Left In: 6.203 ± 7.031 $\chi^2/\text{NDF}: 13.0/12$

Left: 14.118 ± 4.964 $\chi^2/\text{NDF}: 31.8/26$

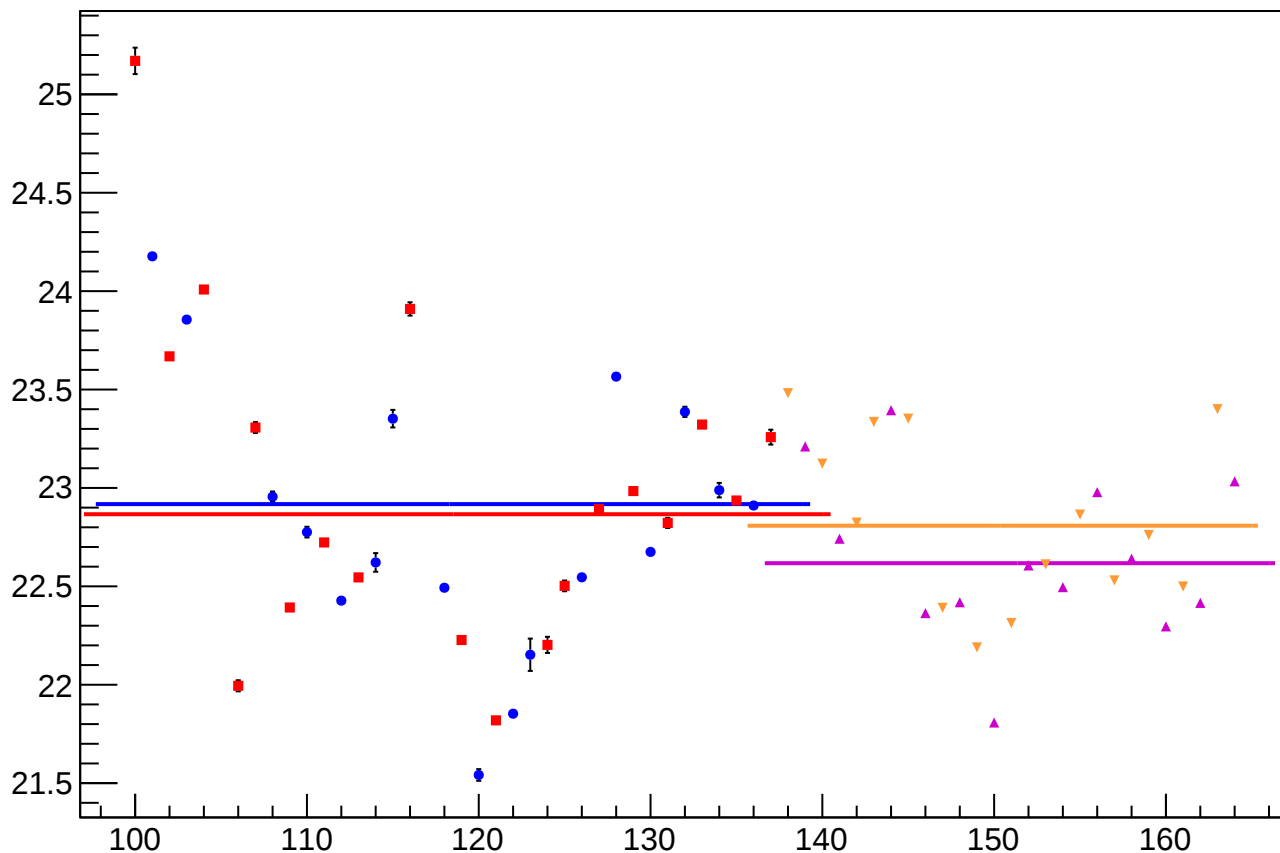
Right: 9.244 ± 6.162 $\chi^2/\text{NDF}: 36.2/35$

In: 3.176 ± 5.513 $\chi^2/\text{NDF}: 32.1/29$

Out: 20.930 ± 5.422 $\chi^2/\text{NDF}: 31.0/32$

All: 12.199 ± 3.866 $\chi^2/\text{NDF}: 68.4/62$

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: 22.808 $\pm$ 0.005 χ^2 /NDF: 7306.9/13

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

Left In: 22.618 $\pm$ 0.005 χ^2 /NDF: 6886.8/12

Left: 22.713 $\pm$ 0.004 χ^2 /NDF: 14929.9/26

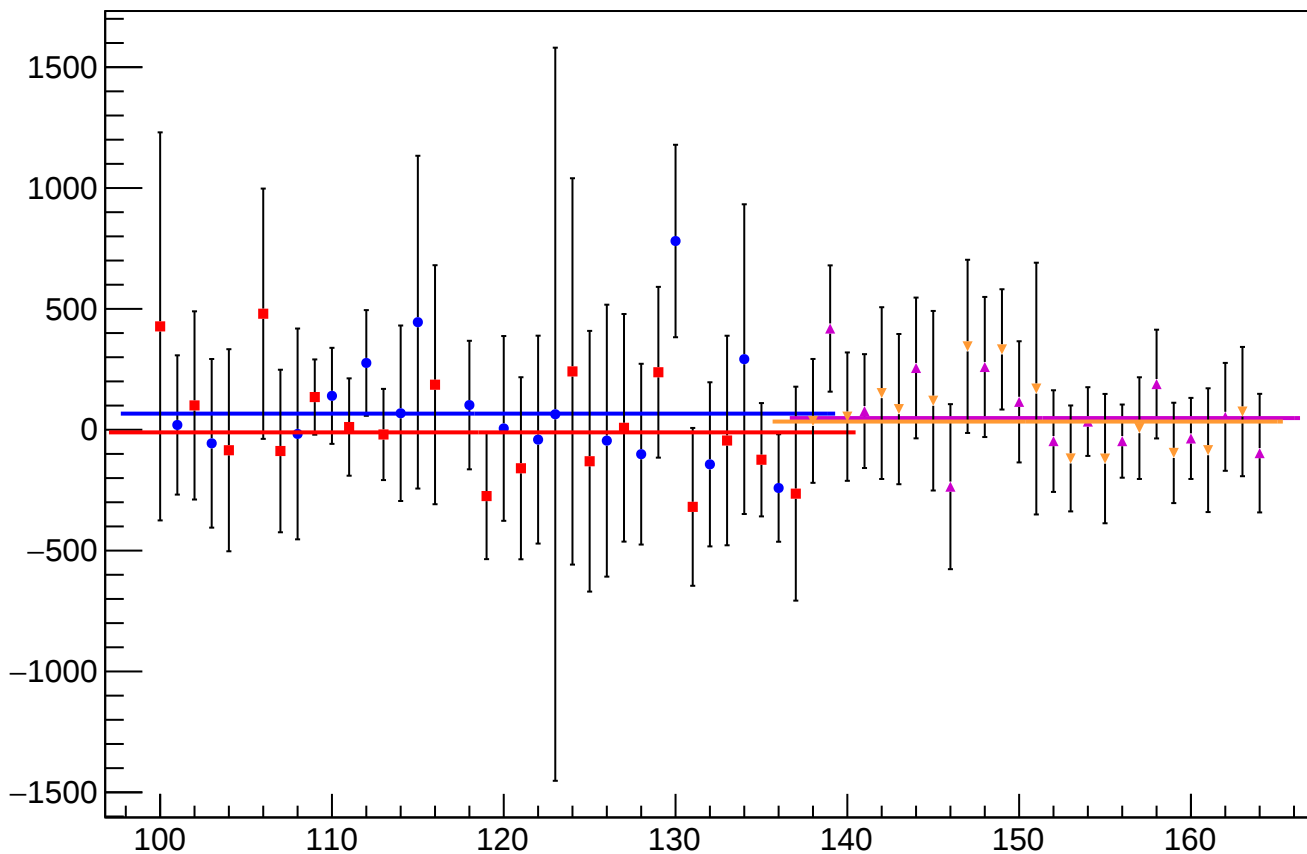
Right: 22.891 $\pm$ 0.004 χ^2 /NDF: 22559.6/35

In: 22.733 $\pm$ 0.004 χ^2 /NDF: 19764.1/29

Out: 22.832 $\pm$ 0.004 χ^2 /NDF: 18415.0/32

All: 22.783 $\pm$ 0.003 χ^2 /NDF: 38501.8/62

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 33.871 $\pm$ 72.093 χ^2 /NDF:3.9/13

Right Out: -10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

Left In: 48.262 $\pm$ 58.866 χ^2 /NDF:5.4/12

Left: 42.505 $\pm$ 45.597 χ^2 /NDF: 9.4/26

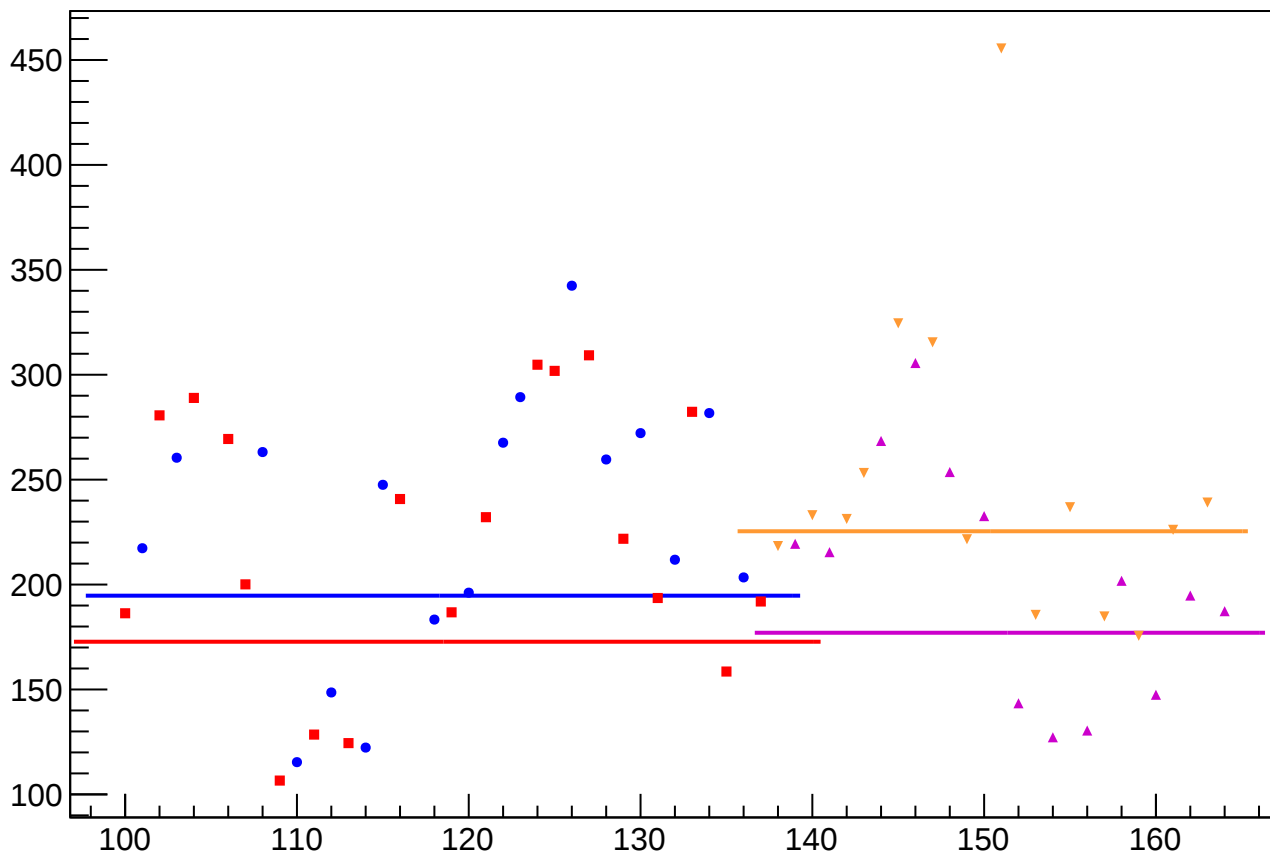
Right: 22.979 $\pm$ 52.843 χ^2 /NDF: 13.8/35

In: 54.739 $\pm$ 47.412 χ^2 /NDF:13.0/29

Out: 10.965 $\pm$ 50.363 χ^2 /NDF:9.8/32

All: 34.172 $\pm$ 34.522 χ^2 /NDF: 23.2/62

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 225.403+/-0.051 χ^2/NDF : 944041.1/13

Right Out: 172.753+/-0.050 χ^2/NDF : 1596944.9/18

Left In: 177.032+/-0.042 χ^2/NDF : 1413271.3/12

Left: 196.381+/-0.032 χ^2/NDF : 2897512.1/26

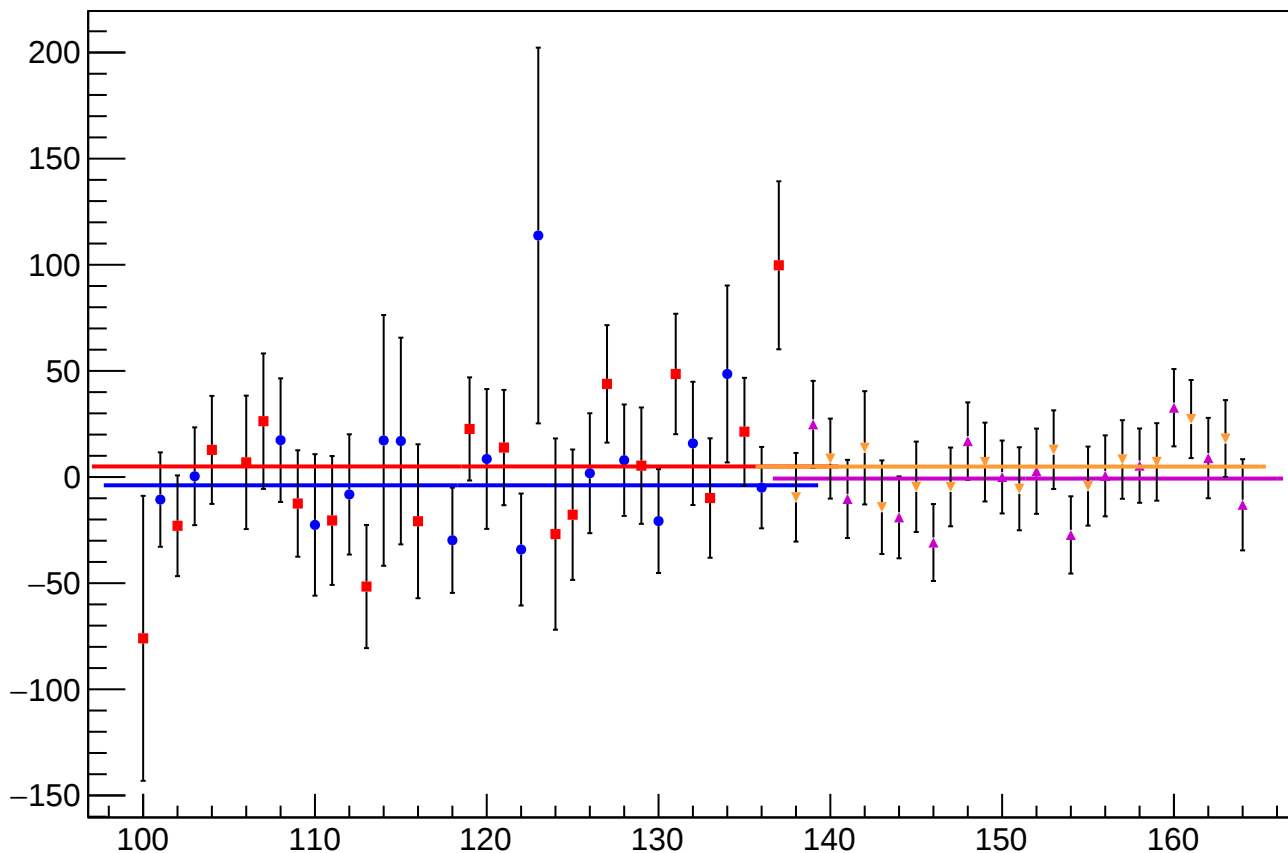
Right: 182.331+/-0.037 χ^2/NDF : 2701685.9/35

In: 183.239+/-0.034 χ^2/NDF : 2496453.0/29

Out: 198.448+/-0.036 χ^2/NDF : 3087105.5/32

All: 190.385+/-0.024 χ^2/NDF : 5680244.0/62

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: 4.924+/-5.205 χ^2 /NDF:4.6/13

Right Out: 4.985+/-6.727 χ^2 /NDF: 21.3/18

Left In: -0.719+/-5.203 χ^2 /NDF:12.7/12

Left: 2.102+/-3.680 χ^2 /NDF: 17.9/26

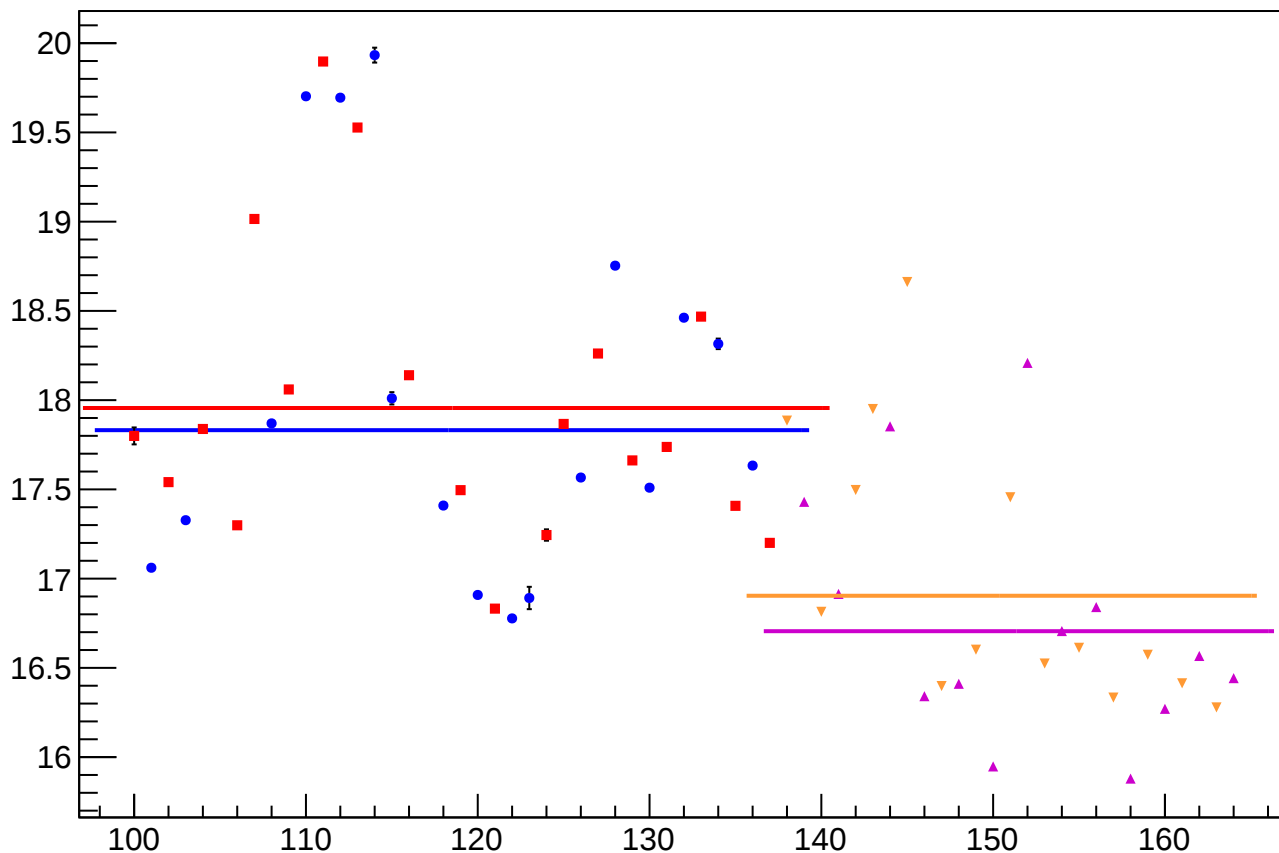
Right: 0.668+/-4.822 χ^2 /NDF: 30.6/35

In: -1.867+/-4.158 χ^2 /NDF:21.2/29

Out: 4.947+/-4.116 χ^2 /NDF:26.0/32

All: 1.574+/-2.925 χ^2 /NDF: 48.5/62

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 ± 0.005 χ^2/NDF : 30863.4/16

Left Out: 16.904 ± 0.004 χ^2/NDF : 34887.3/13

Right Out: 17.956 ± 0.005 χ^2/NDF : 25448.9/18

Left In: 16.706 ± 0.004 χ^2/NDF : 32369.2/12

Left: 16.805 ± 0.003 χ^2/NDF : 68712.0/26

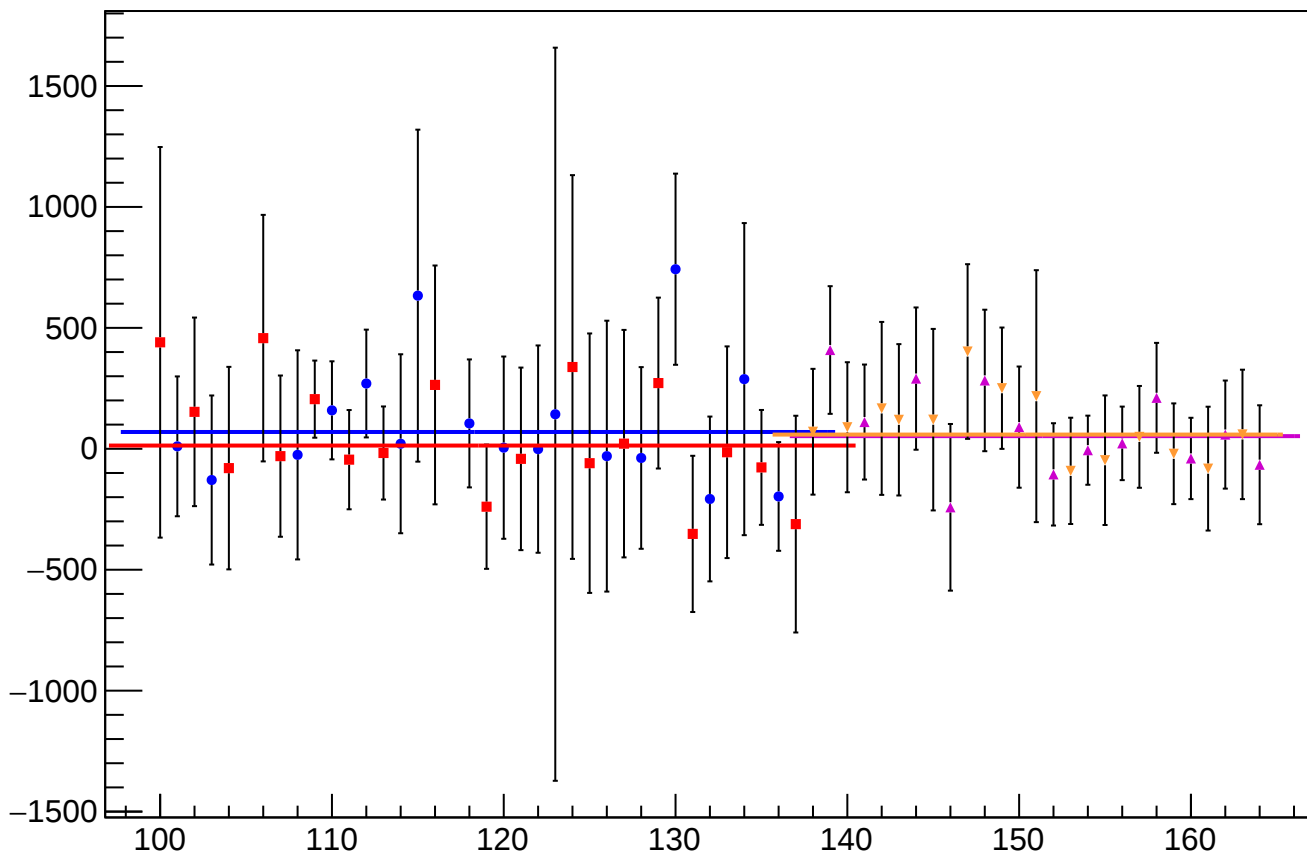
Right: 17.896 ± 0.003 χ^2/NDF : 56643.8/35

In: 17.113 ± 0.003 χ^2/NDF : 97107.2/29

Out: 17.298 ± 0.003 χ^2/NDF : 90929.9/32

All: 17.206 ± 0.002 χ^2/NDF : 190044.3/62

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 58.810+/-72.450 χ^2/NDF : 2.8/13

Right Out: 13.410+/-71.041 χ^2/NDF : 6.7/18

Left In: 52.359+/-59.175 χ^2/NDF : 5.7/12

Left: 54.940+/-45.830 χ^2/NDF : 8.5/26

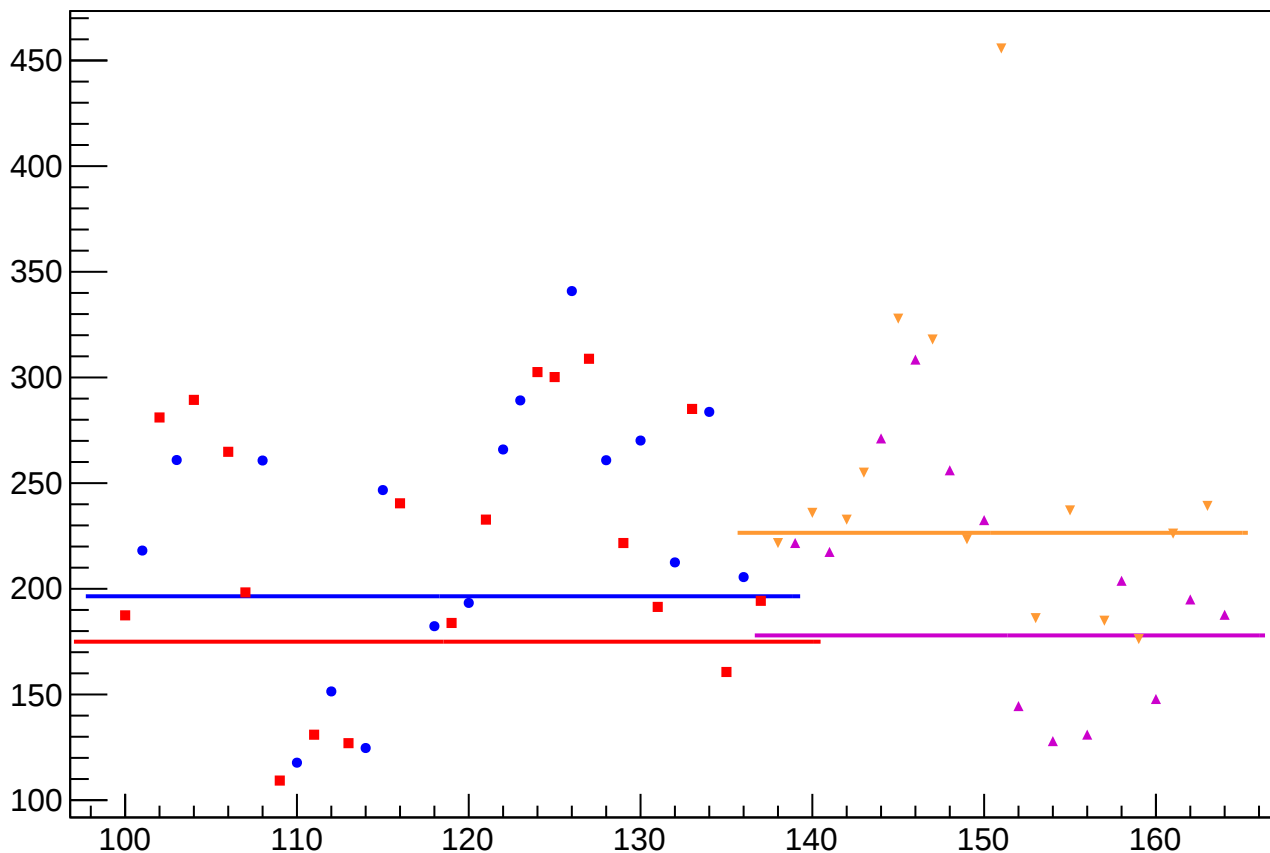
Right: 37.955+/-53.280 χ^2/NDF : 14.4/35

In: 58.371+/-47.689 χ^2/NDF : 13.1/29

Out: 35.665+/-50.725 χ^2/NDF : 9.7/32

All: 47.717+/-34.745 χ^2/NDF : 22.9/62

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: 226.502 $\pm$ 0.051 χ^2 /NDF: 952013.3/13

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

Left In: 177.948 $\pm$ 0.042 χ^2 /NDF: 1425921.8/12

Left: 197.378 $\pm$ 0.032 χ^2 /NDF: 2916738.8/26

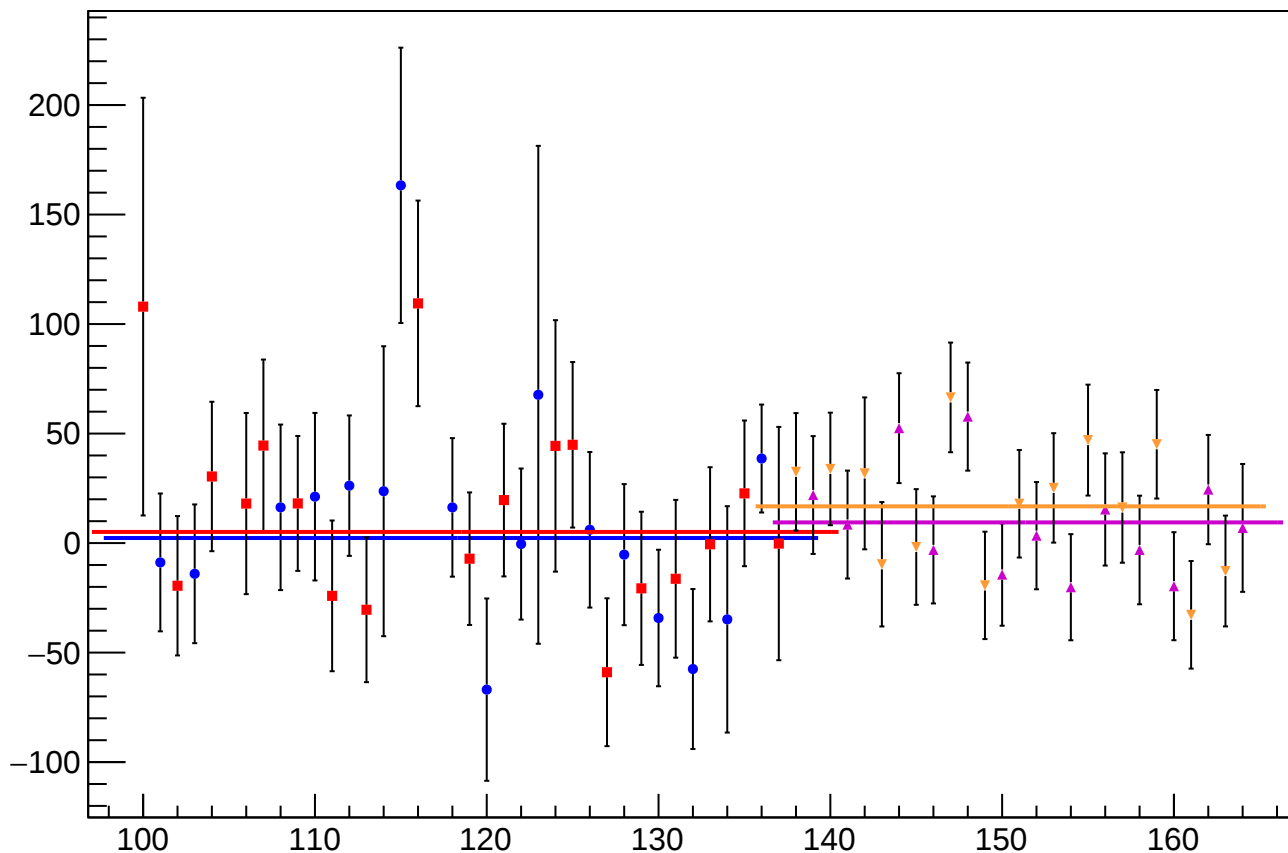
Right: 184.383 $\pm$ 0.038 χ^2 /NDF: 2555448.8/35

In: 184.441 $\pm$ 0.034 χ^2 /NDF: 2458883.2/29

Out: 200.236 $\pm$ 0.036 χ^2 /NDF: 2978739.5/32

All: 191.852 $\pm$ 0.025 χ^2 /NDF: 5540562.2/62

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 16.771 ± 6.915 $\chi^2/\text{NDF}: 16.7/13$

Right Out: 5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

Left In: 9.437 ± 6.947 $\chi^2/\text{NDF}: 11.9/12$

Left: 13.121 ± 4.901 $\chi^2/\text{NDF}: 29.2/26$

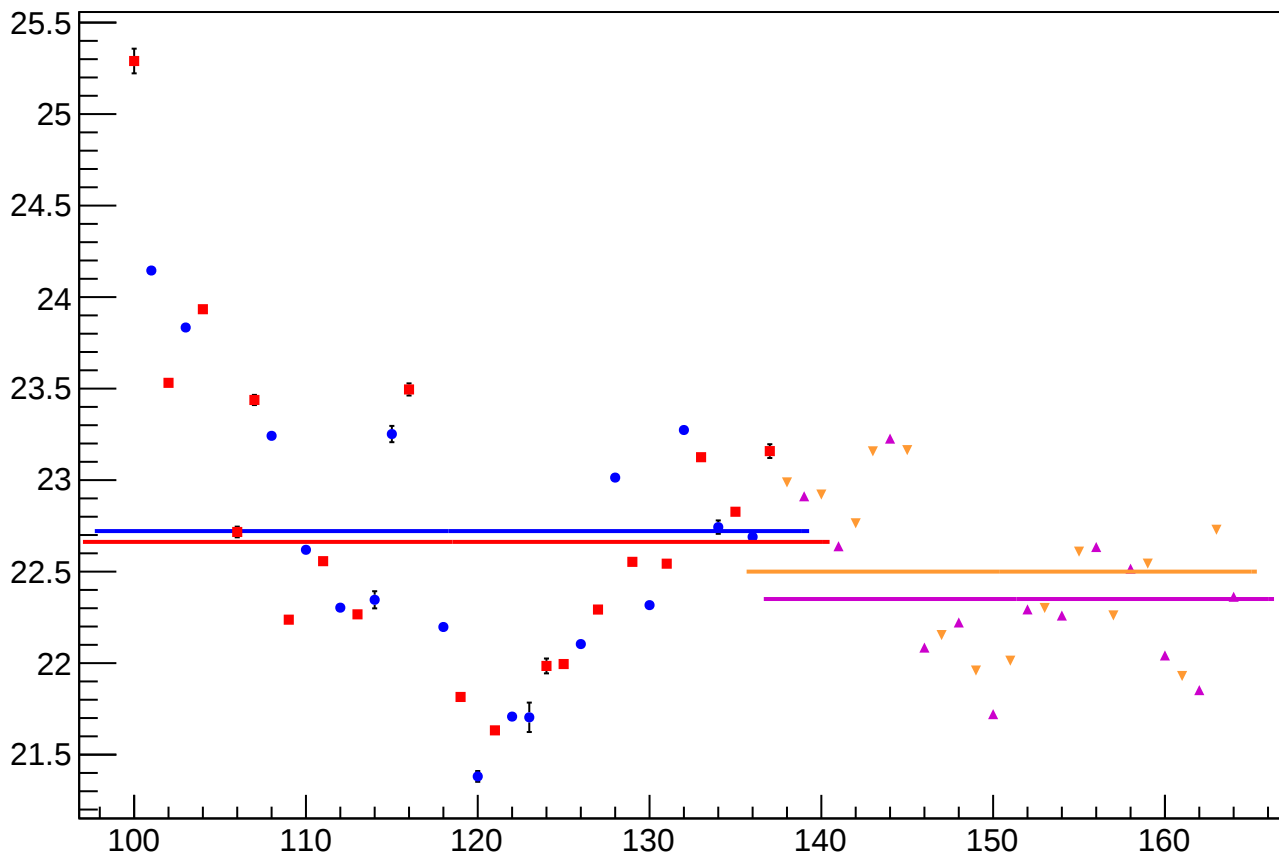
Right: 3.750 ± 6.108 $\chi^2/\text{NDF}: 35.3/35$

In: 6.702 ± 5.454 $\chi^2/\text{NDF}: 30.4/29$

Out: 12.105 ± 5.359 $\chi^2/\text{NDF}: 35.0/32$

All: 9.451 ± 3.822 $\chi^2/\text{NDF}: 65.9/62$

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: 22.500 $\pm$ 0.005 χ^2 /NDF: 7382.9/13

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

Left In: 22.350 $\pm$ 0.005 χ^2 /NDF: 6812.0/12

Left: 22.426 $\pm$ 0.003 χ^2 /NDF: 14661.5/26

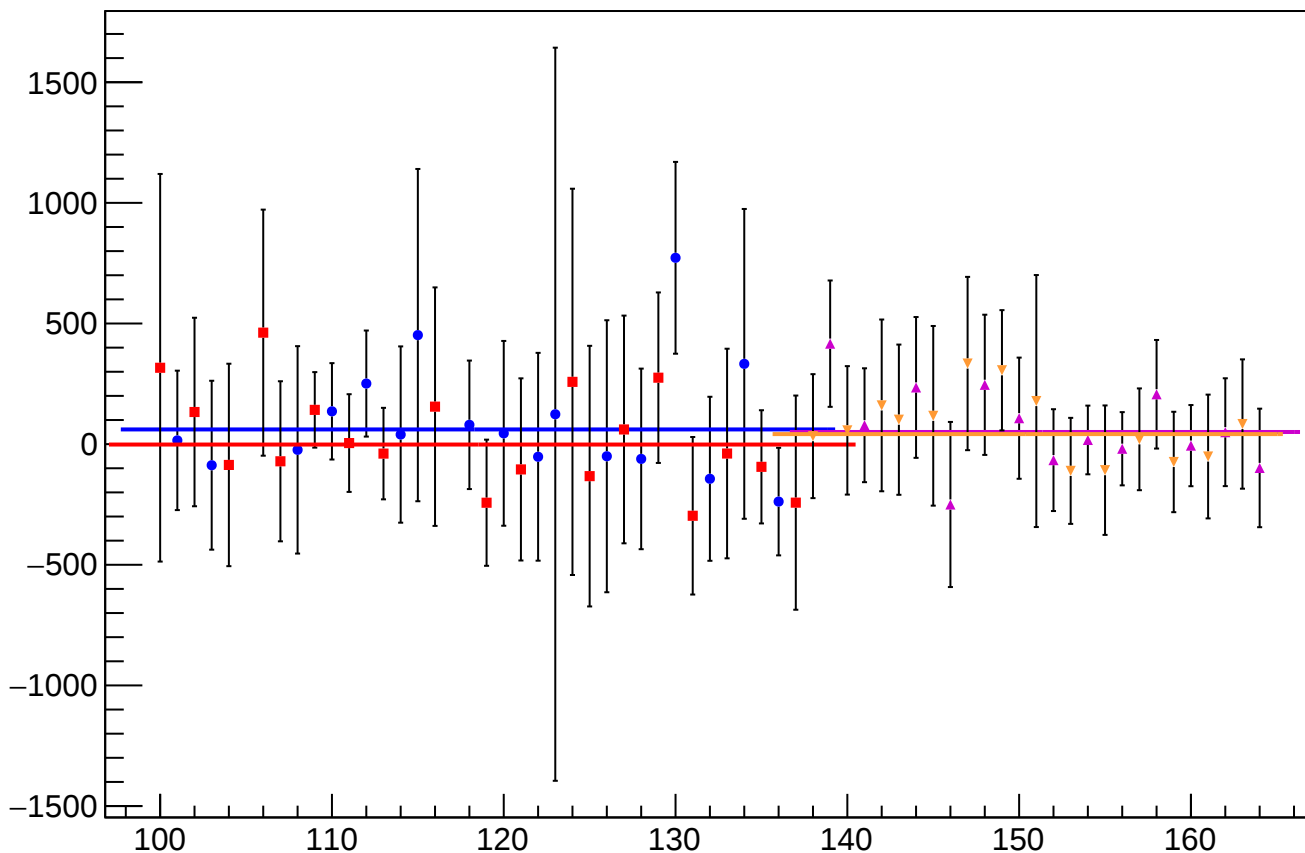
Right: 22.691 $\pm$ 0.004 χ^2 /NDF: 26582.8/35

In: 22.493 $\pm$ 0.004 χ^2 /NDF: 22582.9/29

Out: 22.565 $\pm$ 0.004 χ^2 /NDF: 20778.9/32

All: 22.529 $\pm$ 0.003 χ^2 /NDF: 43539.9/62

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: 41.656 $\pm$ 72.257 χ^2 /NDF: 3.3/13

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

Left In: 50.397 $\pm$ 58.984 χ^2 /NDF: 5.2/12

Left: 46.902 $\pm$ 45.693 χ^2 /NDF: 8.5/26

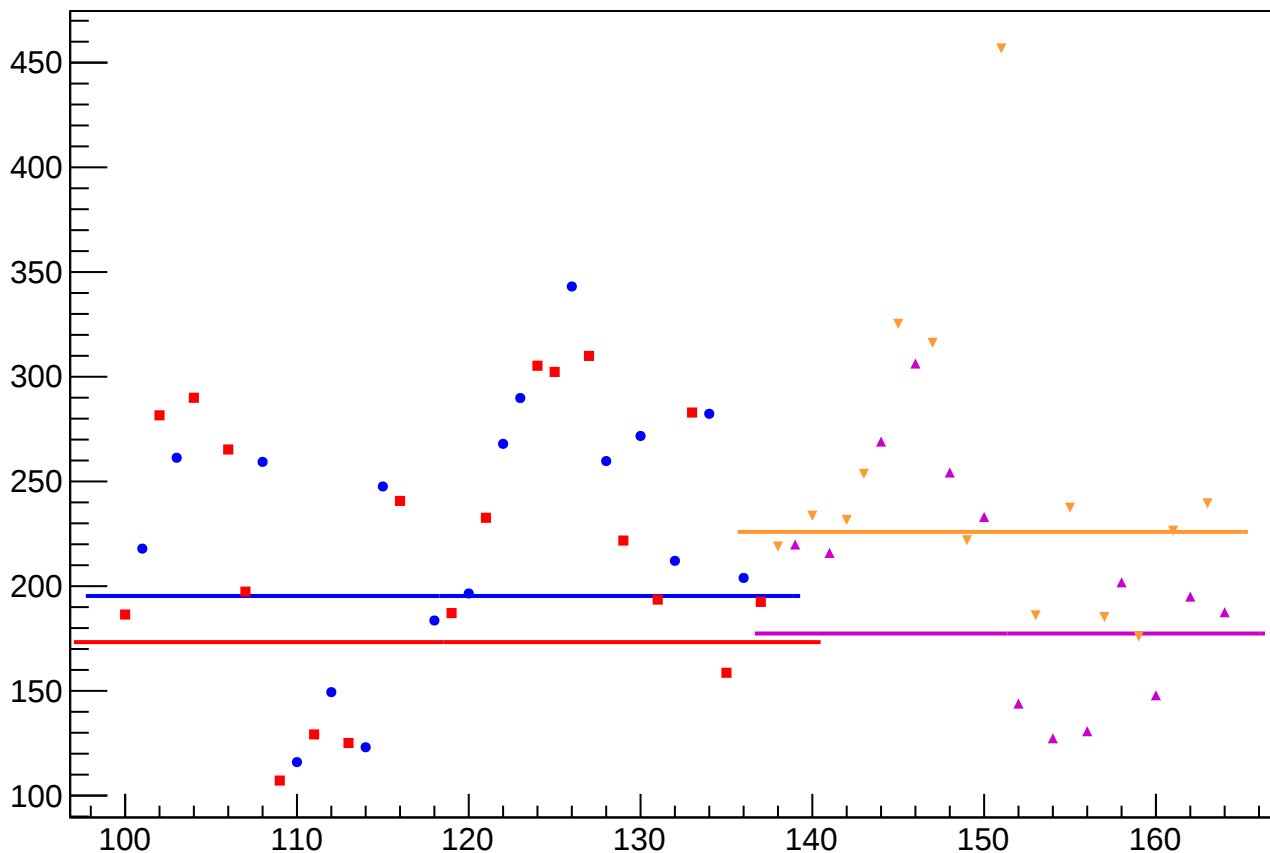
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 54.105 $\pm$ 47.516 χ^2 /NDF: 12.4/29

Out: 19.487 $\pm$ 50.479 χ^2 /NDF: 8.7/32

All: 37.842 $\pm$ 34.599 χ^2 /NDF: 21.3/62

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: 225.915 $\pm$ 0.051 χ^2 /NDF: 943951.6/13

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

Left In: 177.388 $\pm$ 0.042 χ^2 /NDF: 1412591.2/12

Left: 196.793 $\pm$ 0.032 χ^2 /NDF: 2897881.3/26

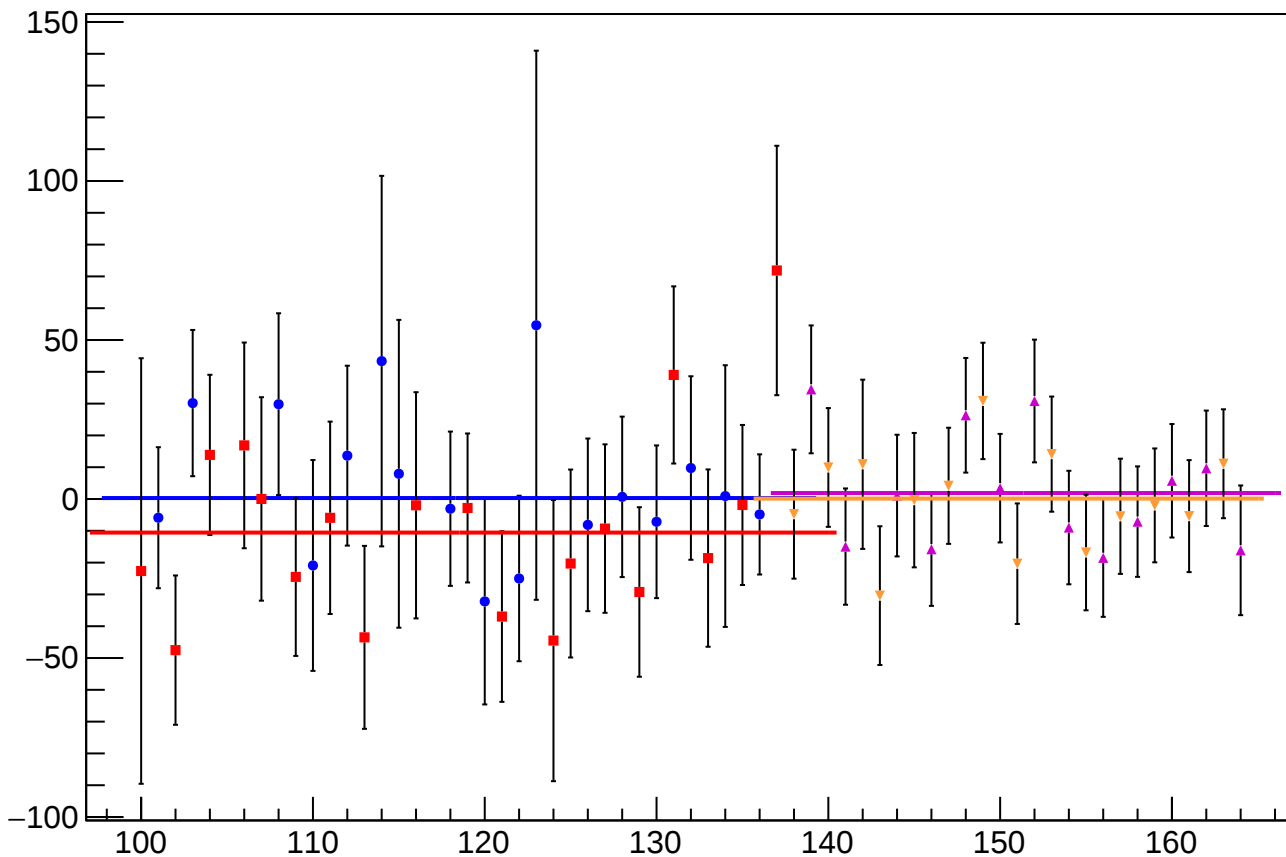
Right: 182.896 $\pm$ 0.037 χ^2 /NDF: 2667678.3/35

In: 183.681 $\pm$ 0.034 χ^2 /NDF: 2481666.0/29

Out: 198.970 $\pm$ 0.036 χ^2 /NDF: 3065538.7/32

All: 190.864 $\pm$ 0.024 χ^2 /NDF: 5644486.3/62

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: 0.137 ± 5.083 χ^2/NDF : 8.6/13

Right Out: -10.553 ± 6.628 χ^2/NDF : 16.0/18

Left In: 1.881 ± 5.097 χ^2/NDF : 11.4/12

Left: 1.007 ± 3.599 χ^2/NDF : 20.0/26

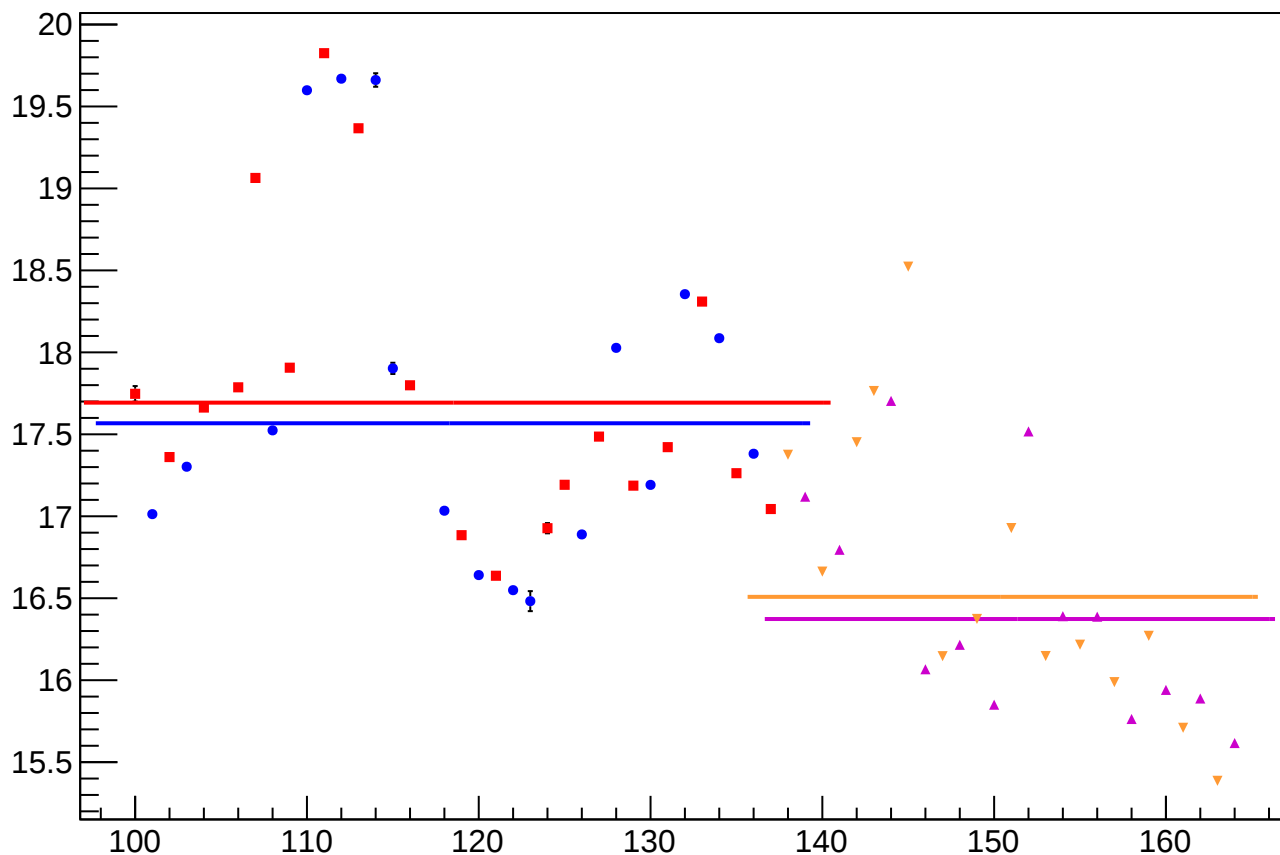
Right: -5.273 ± 4.751 χ^2/NDF : 24.1/35

In: 1.316 ± 4.081 χ^2/NDF : 18.2/29

Out: -3.822 ± 4.033 χ^2/NDF : 26.2/32

All: -1.283 ± 2.869 χ^2/NDF : 45.3/62

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: 16.508 $\pm$ 0.004 χ^2 /NDF:49005.6/13

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.373 $\pm$ 0.004 χ^2 /NDF:30979.0/12

Left: 16.441 $\pm$ 0.003 χ^2 /NDF: 80690.1/26

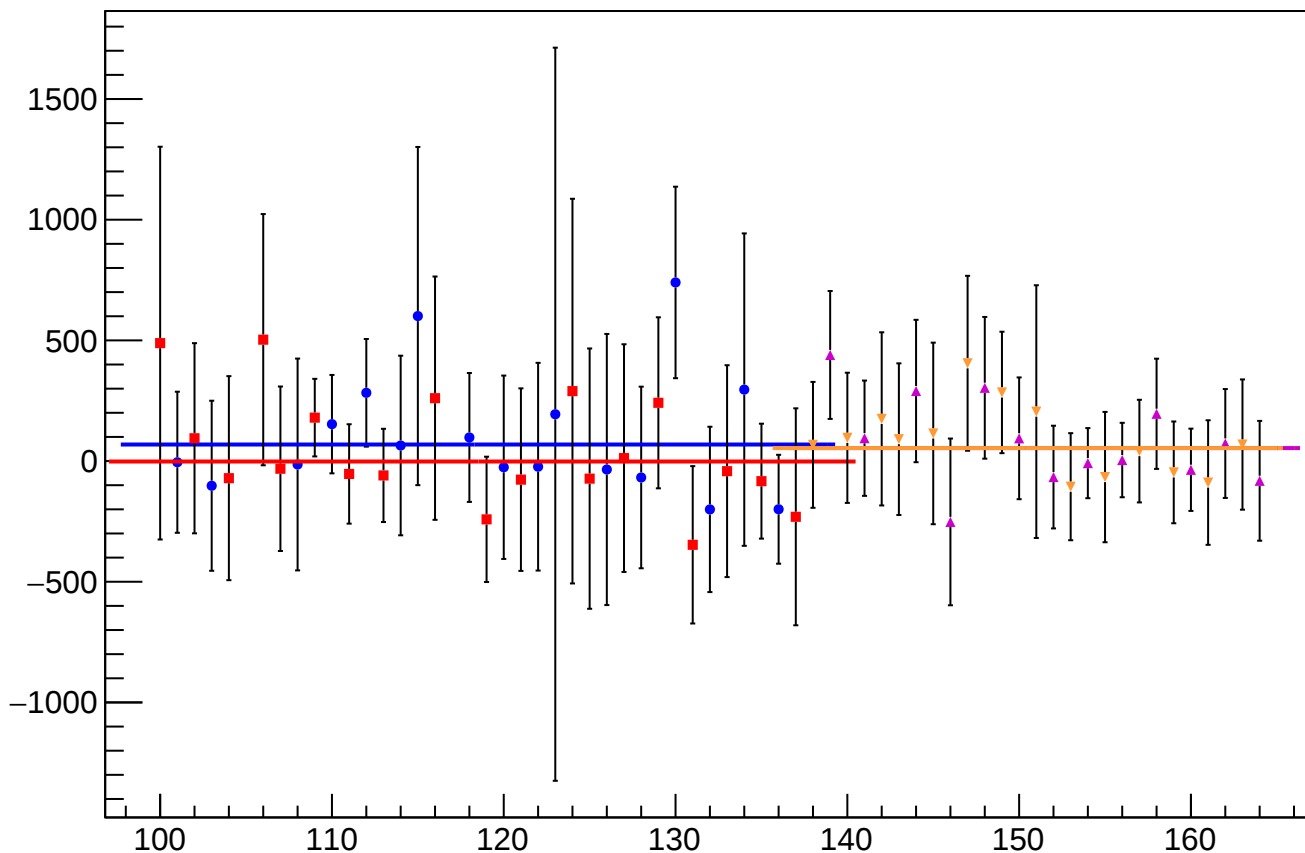
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.802 $\pm$ 0.003 χ^2 /NDF:103519.9/29

Out: 16.947 $\pm$ 0.003 χ^2 /NDF:120012.5/32

All: 16.875 $\pm$ 0.002 χ^2 /NDF: 224815.1/62

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: 53.839 $\pm$ 72.950 χ^2 /NDF:3.3/13

Right Out: -1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

Left In: 53.825 $\pm$ 59.757 χ^2 /NDF:5.9/12

Left: 53.830 $\pm$ 46.227 χ^2 /NDF: 9.2/26

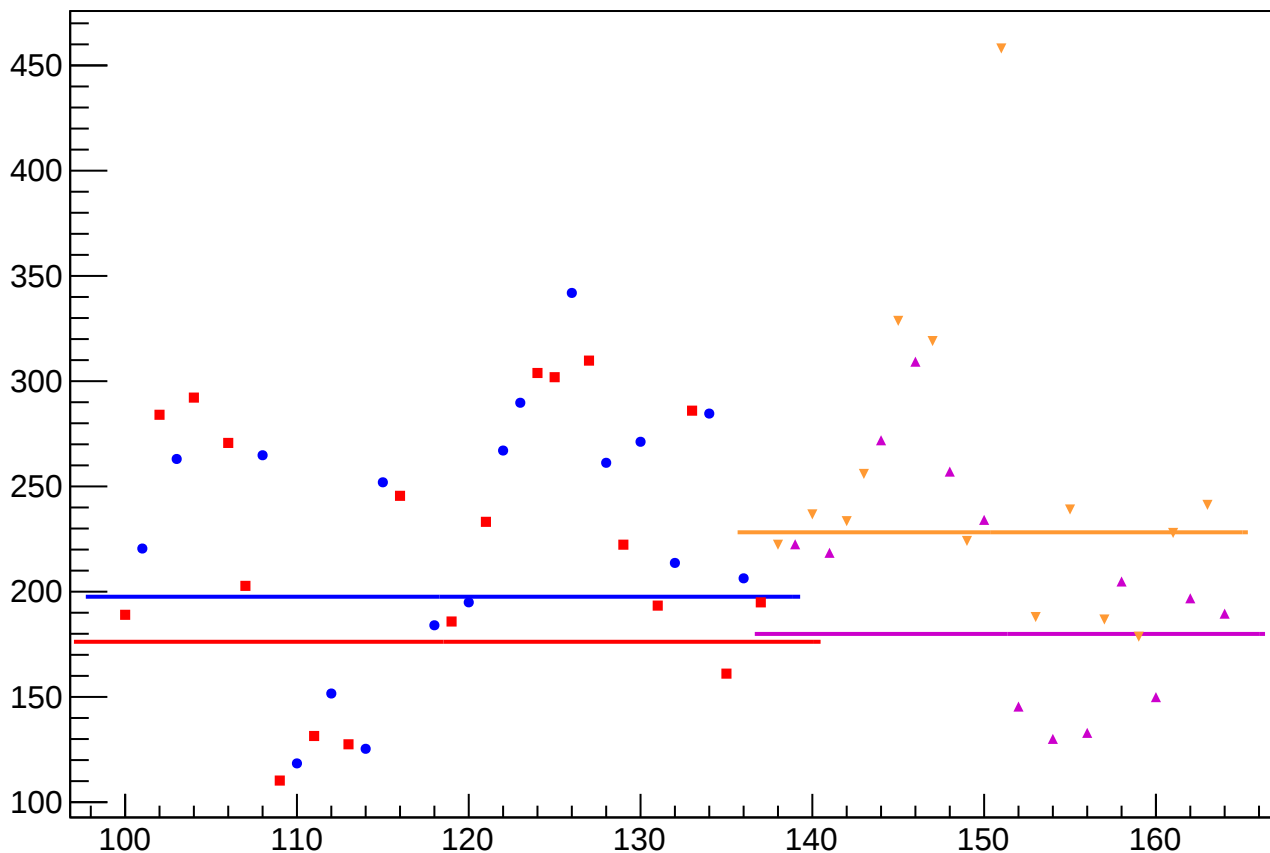
Right: 29.004 $\pm$ 53.625 χ^2 /NDF: 13.9/35

In: 59.014 $\pm$ 48.091 χ^2 /NDF:13.2/29

Out: 25.460 $\pm$ 51.077 χ^2 /NDF:9.7/32

All: 43.247 $\pm$ 35.013 χ^2 /NDF: 23.2/62

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: 228.211 $\pm$ 0.052 χ^2 /NDF: 933724.1/13

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

Left In: 179.933 $\pm$ 0.042 χ^2 /NDF: 1383356.1/12

Left: 199.319 $\pm$ 0.033 χ^2 /NDF: 2841292.7/26

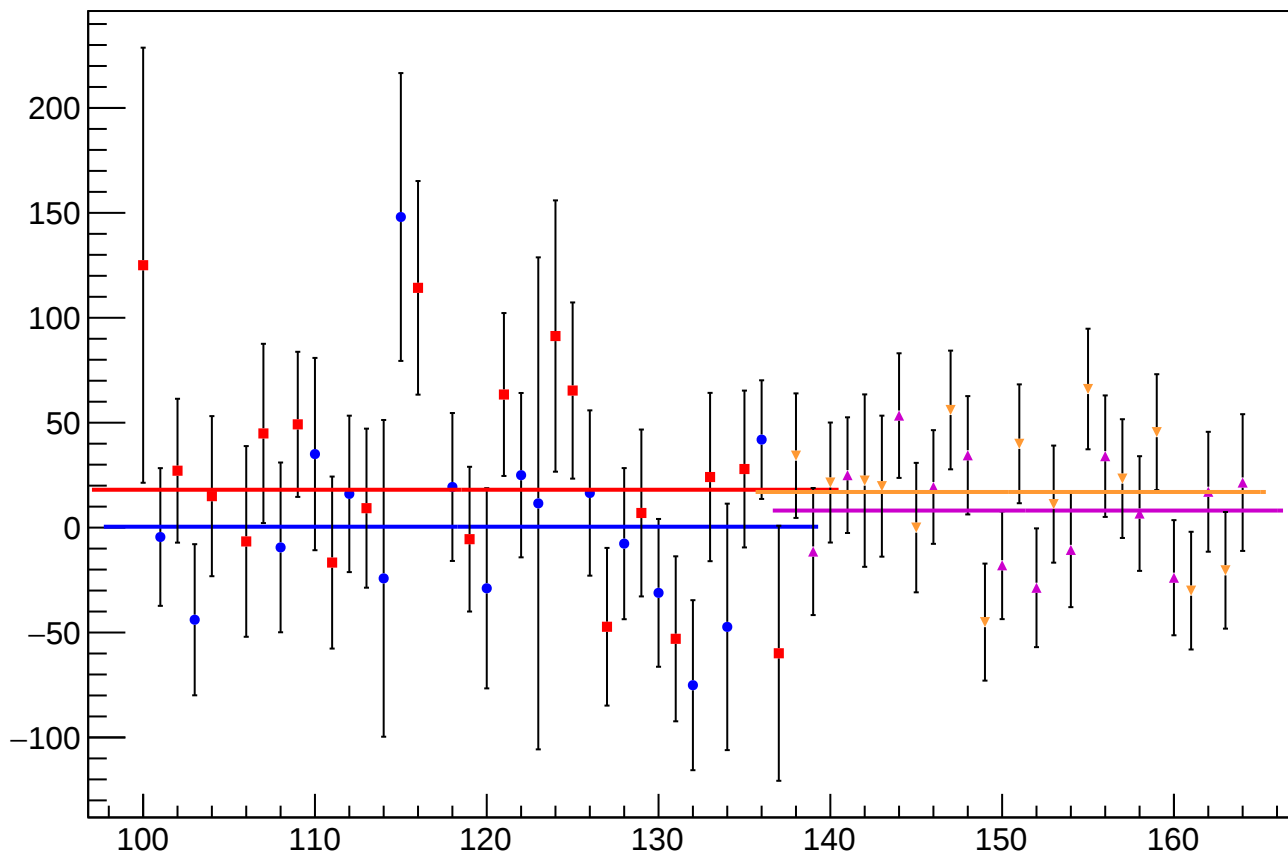
Right: 185.577 $\pm$ 0.038 χ^2 /NDF: 2567082.7/35

In: 186.159 $\pm$ 0.034 χ^2 /NDF: 2413803.9/29

Out: 201.698 $\pm$ 0.036 χ^2 /NDF: 2971788.7/32

All: 193.461 $\pm$ 0.025 χ^2 /NDF: 5483719.4/62

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: 16.981 ± 7.834 $\chi^2/\text{NDF}: 16.9/13$

Right Out: 18.044 ± 9.499 $\chi^2/\text{NDF}: 19.5/18$

Left In: 8.128 ± 7.833 $\chi^2/\text{NDF}: 9.8/12$

Left: 12.554 ± 5.539 $\chi^2/\text{NDF}: 27.3/26$

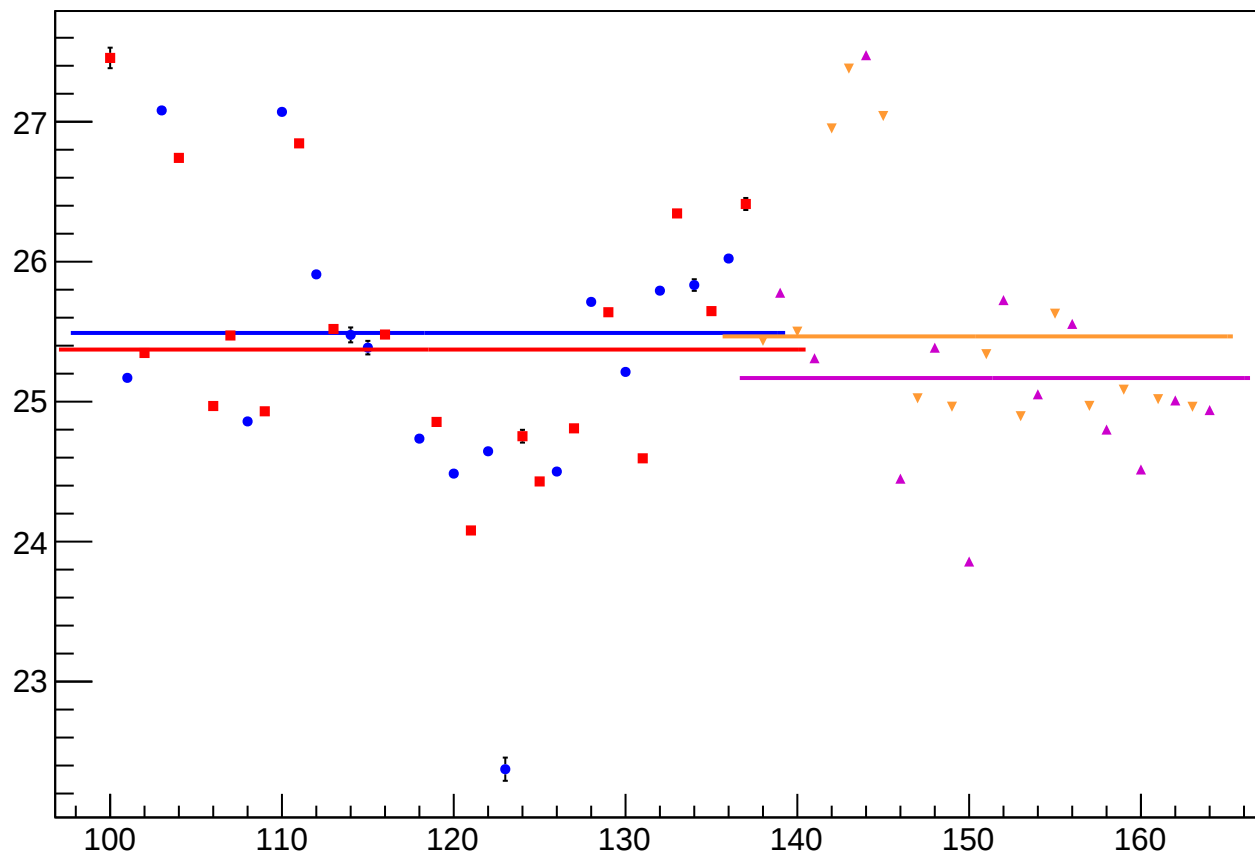
Right: 9.585 ± 6.849 $\chi^2/\text{NDF}: 36.6/35$

In: 5.157 ± 6.139 $\chi^2/\text{NDF}: 25.6/29$

Out: 17.411 ± 6.044 $\chi^2/\text{NDF}: 36.4/32$

All: 11.380 ± 4.307 $\chi^2/\text{NDF}: 64.0/62$

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: 25.466 $\pm$ 0.006 χ^2 /NDF:18558.0/13

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

Left In: 25.169 $\pm$ 0.006 χ^2 /NDF:22501.3/12

Left: 25.317 $\pm$ 0.004 χ^2 /NDF: 42501.0/26

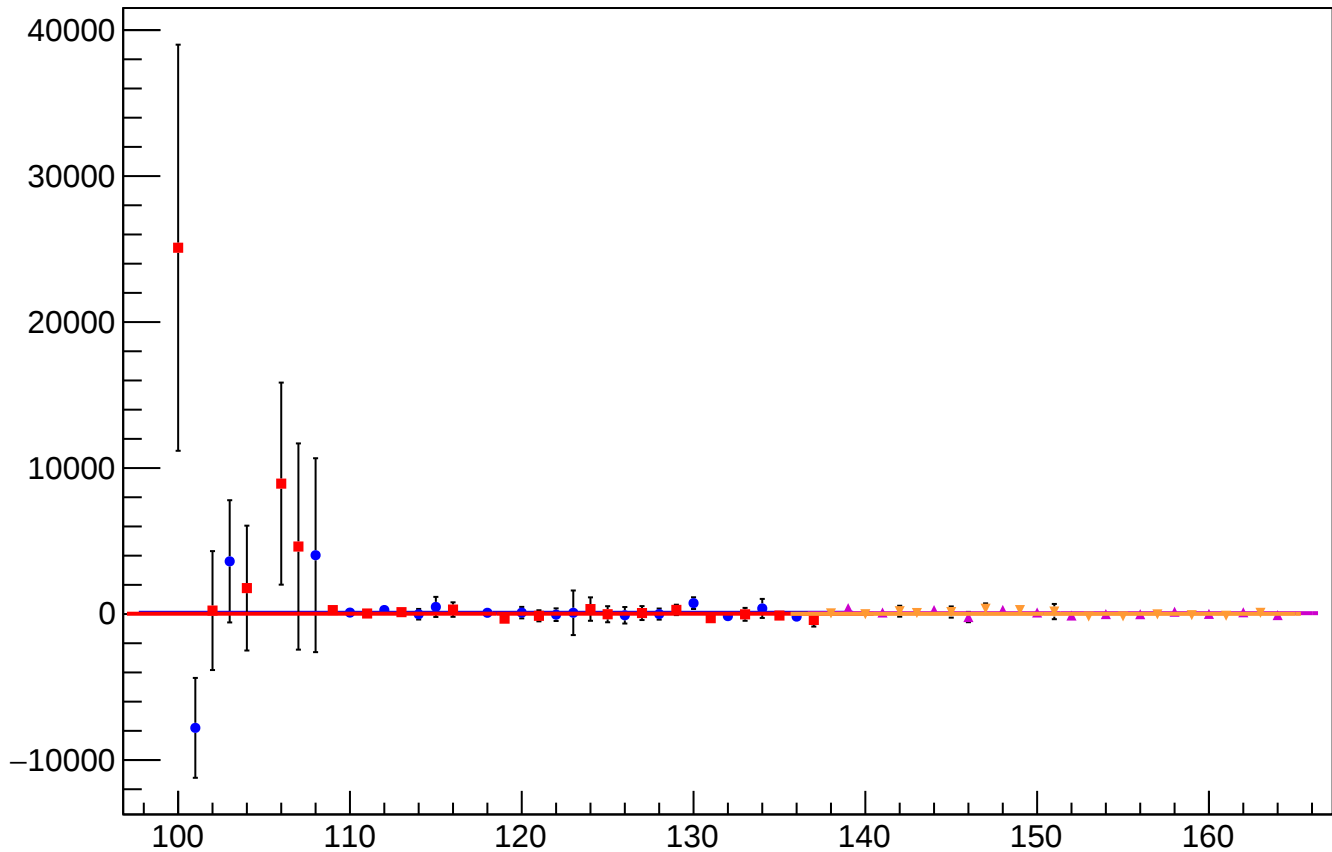
Right: 25.429 $\pm$ 0.005 χ^2 /NDF: 27413.4/35

In: 25.293 $\pm$ 0.004 χ^2 /NDF:37519.2/29

Out: 25.428 $\pm$ 0.004 χ^2 /NDF:32225.0/32

All: 25.362 $\pm$ 0.003 χ^2 /NDF: 70236.2/62

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 15.121+/-73.963 χ^2/NDF : 4.0/13

Right Out: 23.352+/-80.948 χ^2/NDF : 11.9/18

Left In: 59.876+/-60.549 χ^2/NDF : 5.0/12

Left: 41.918+/-46.852 χ^2/NDF : 9.2/26

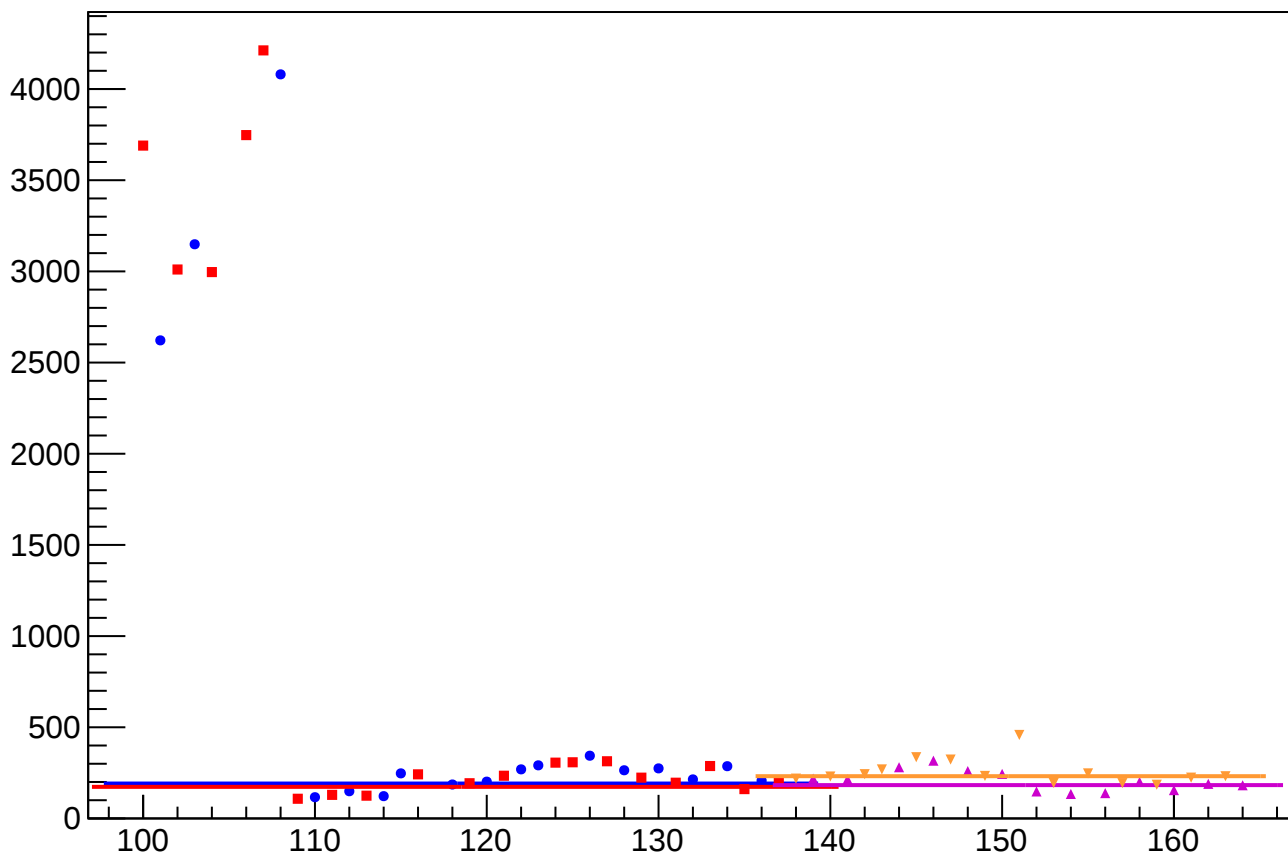
Right: 52.171+/-59.707 χ^2/NDF : 24.7/35

In: 68.393+/-49.958 χ^2/NDF : 17.6/29

Out: 18.866+/-54.603 χ^2/NDF : 15.9/32

All: 45.825+/-36.859 χ^2/NDF : 33.9/62

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 231.776+/-0.052 χ^2/NDF : 893371.9/13

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

Left In: 182.884+/-0.043 χ^2/NDF : 1283722.5/12

Left: 202.502+/-0.033 χ^2/NDF : 2700357.6/26

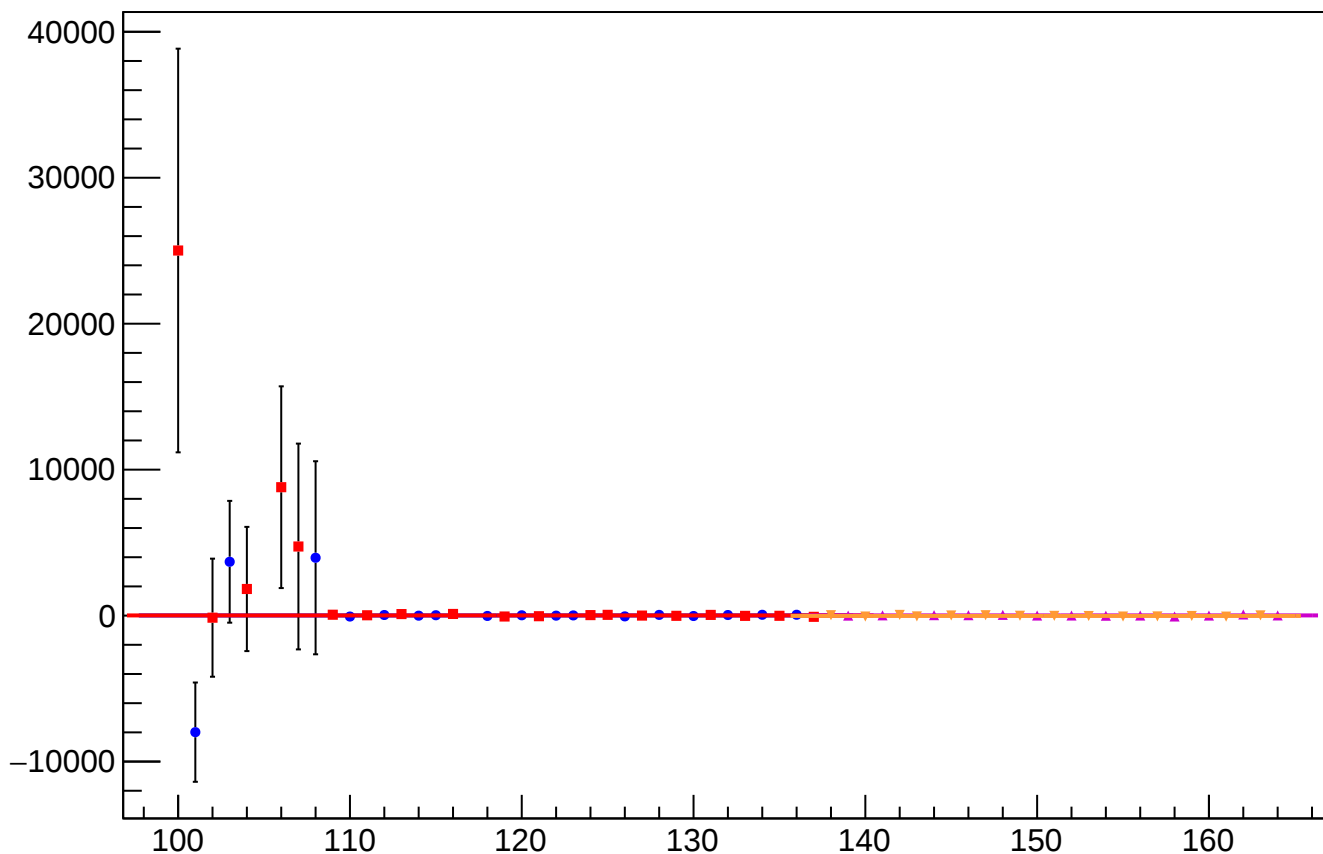
Right: 181.587+/-0.042 χ^2/NDF : 7826577.3/35

In: 185.627+/-0.035 χ^2/NDF : 4869739.7/29

Out: 205.168+/-0.039 χ^2/NDF : 5669648.1/32

All: 194.531+/-0.026 χ^2/NDF : 10678820.2/62

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: -20.515+/-9.078 χ^2/NDF : 15.8/13

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: 13.560+/-9.111 χ^2/NDF : 13.7/12

Left: -3.539+/-6.431 χ^2/NDF : 36.6/26

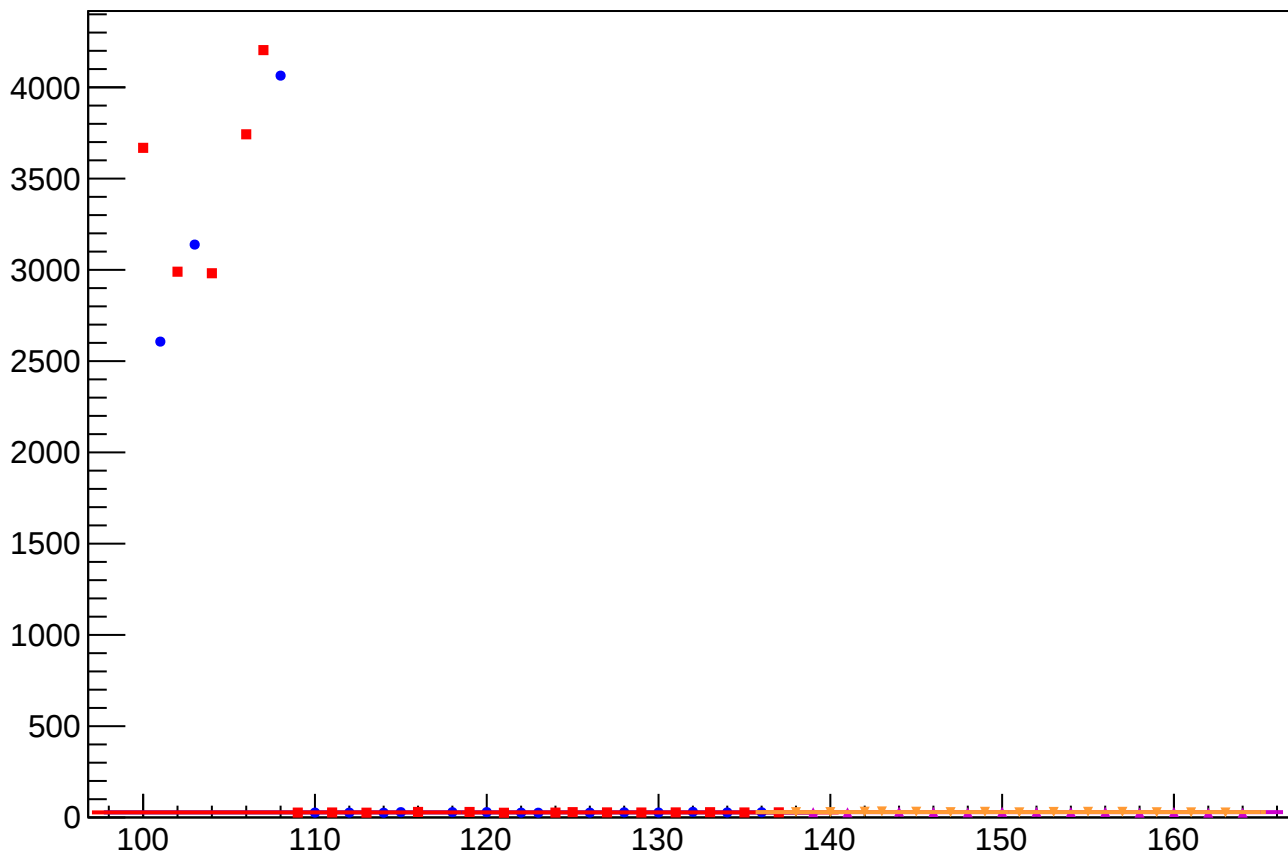
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 12.398+/-7.317 χ^2/NDF : 32.2/29

Out: -8.729+/-7.290 χ^2/NDF : 45.4/32

All: 1.794+/-5.164 χ^2/NDF : 81.7/62

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: 29.458+/-0.006 χ^2/NDF : 58753.9/13

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

Left In: 29.190+/-0.006 χ^2/NDF : 93652.2/12

Left: 29.325+/-0.005 χ^2/NDF : 153271.6/26

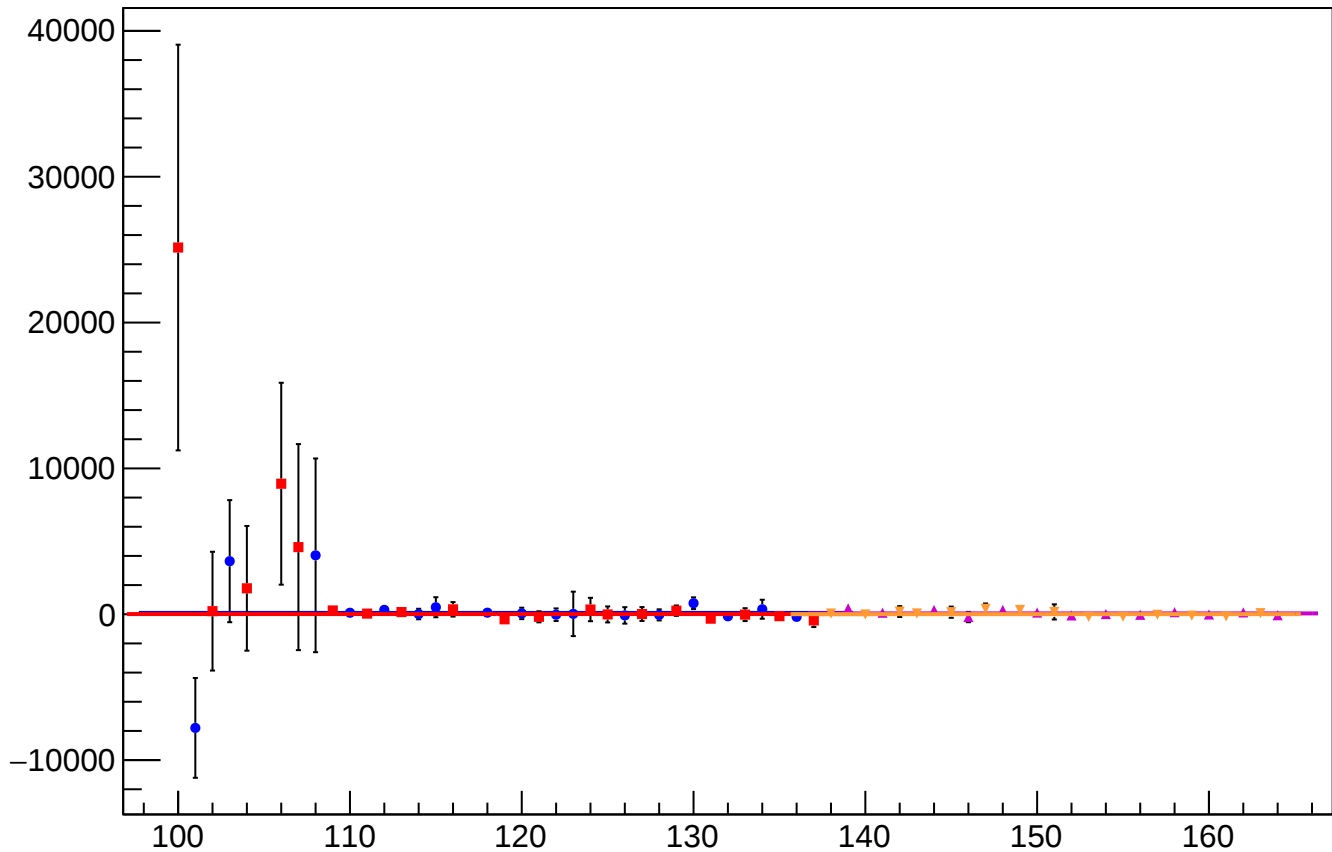
Right: 27.774+/-0.006 χ^2/NDF : 6504689.9/35

In: 28.716+/-0.005 χ^2/NDF : 3136573.3/29

Out: 28.832+/-0.005 χ^2/NDF : 3562398.6/32

All: 28.774+/-0.004 χ^2/NDF : 6699221.6/62

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: 7.101+/-73.800 χ^2/NDF : 4.6/13

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: 58.008+/-60.433 χ^2/NDF : 5.2/12

Left: 37.574+/-46.757 χ^2/NDF : 10.1/26

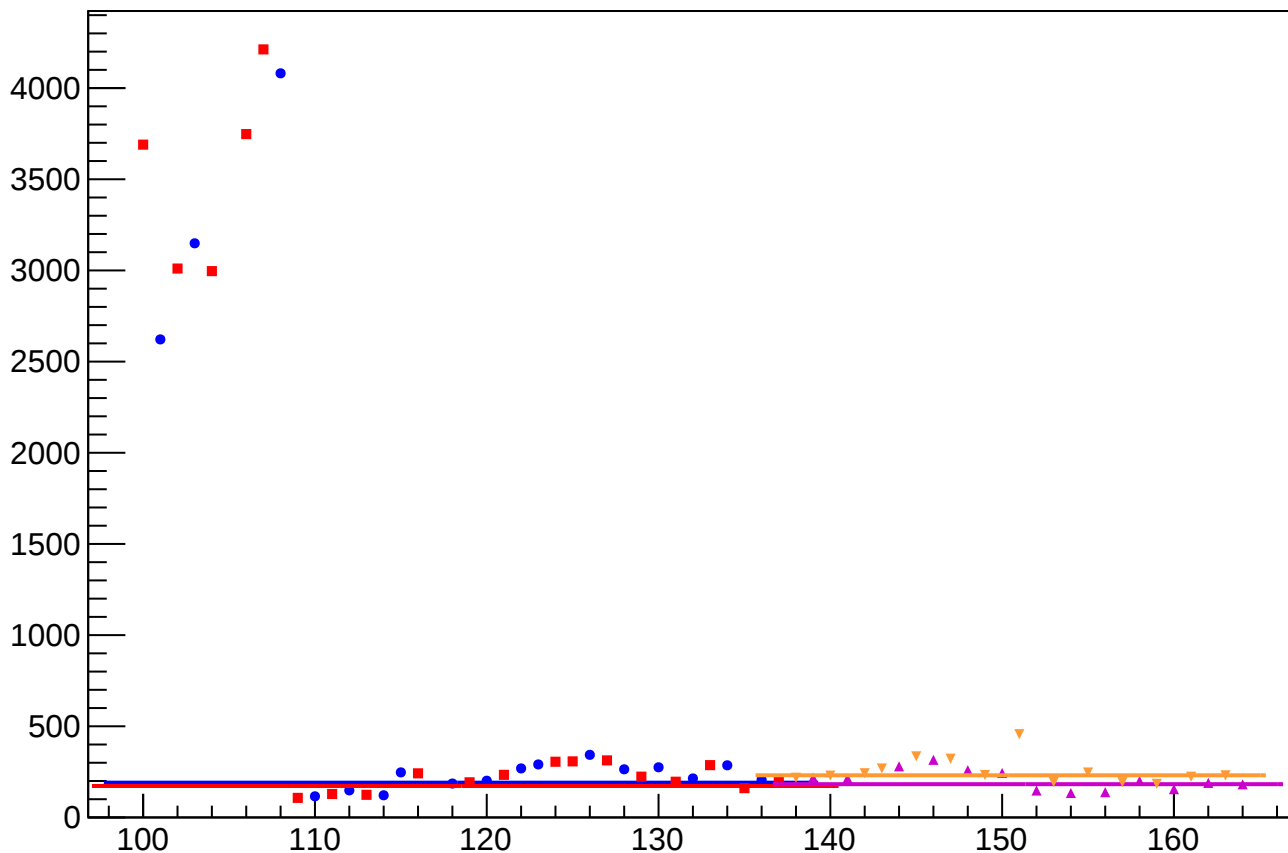
Right: 48.642+/-59.518 χ^2/NDF : 25.9/35

In: 68.484+/-49.844 χ^2/NDF : 18.1/29

Out: 9.943+/-54.457 χ^2/NDF : 17.3/32

All: 41.798+/-36.768 χ^2/NDF : 36.0/62

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 231.267+/-0.052 χ^2/NDF : 893373.2/13

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

Left In: 182.535+/-0.043 χ^2/NDF : 1283957.3/12

Left: 202.096+/-0.033 χ^2/NDF : 2699343.2/26

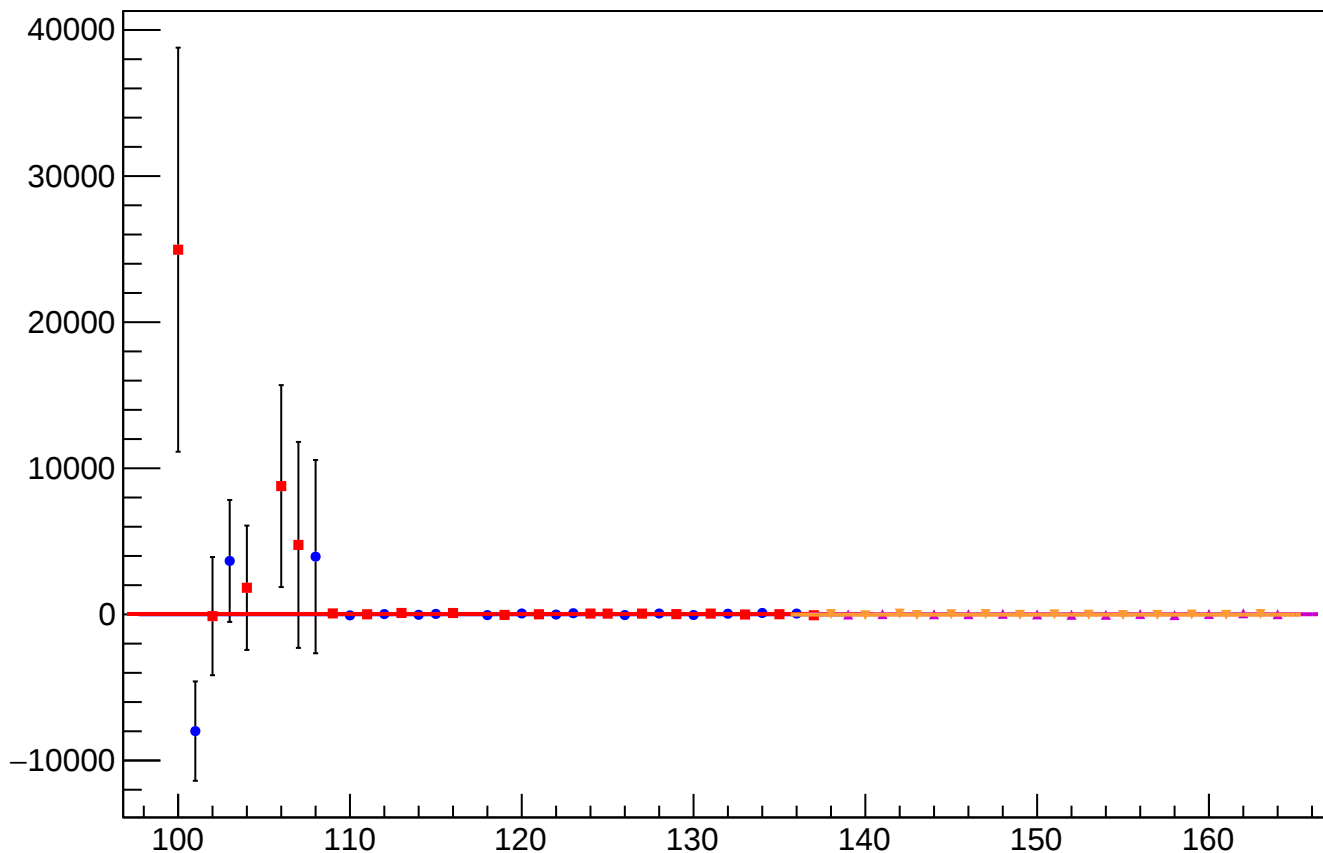
Right: 180.899+/-0.042 χ^2/NDF : 7849745.6/35

In: 185.168+/-0.035 χ^2/NDF : 4880863.3/29

Out: 204.557+/-0.039 χ^2/NDF : 5687134.9/32

All: 194.007+/-0.026 χ^2/NDF : 10705954.5/62

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: -14.981+/-9.156 χ^2/NDF : 10.7/13

Right Out: 29.397+/-12.333 χ^2/NDF : 16.8/18

Left In: 11.310+/-9.175 χ^2/NDF : 12.6/12

Left: -1.863+/-6.481 χ^2/NDF : 27.5/26

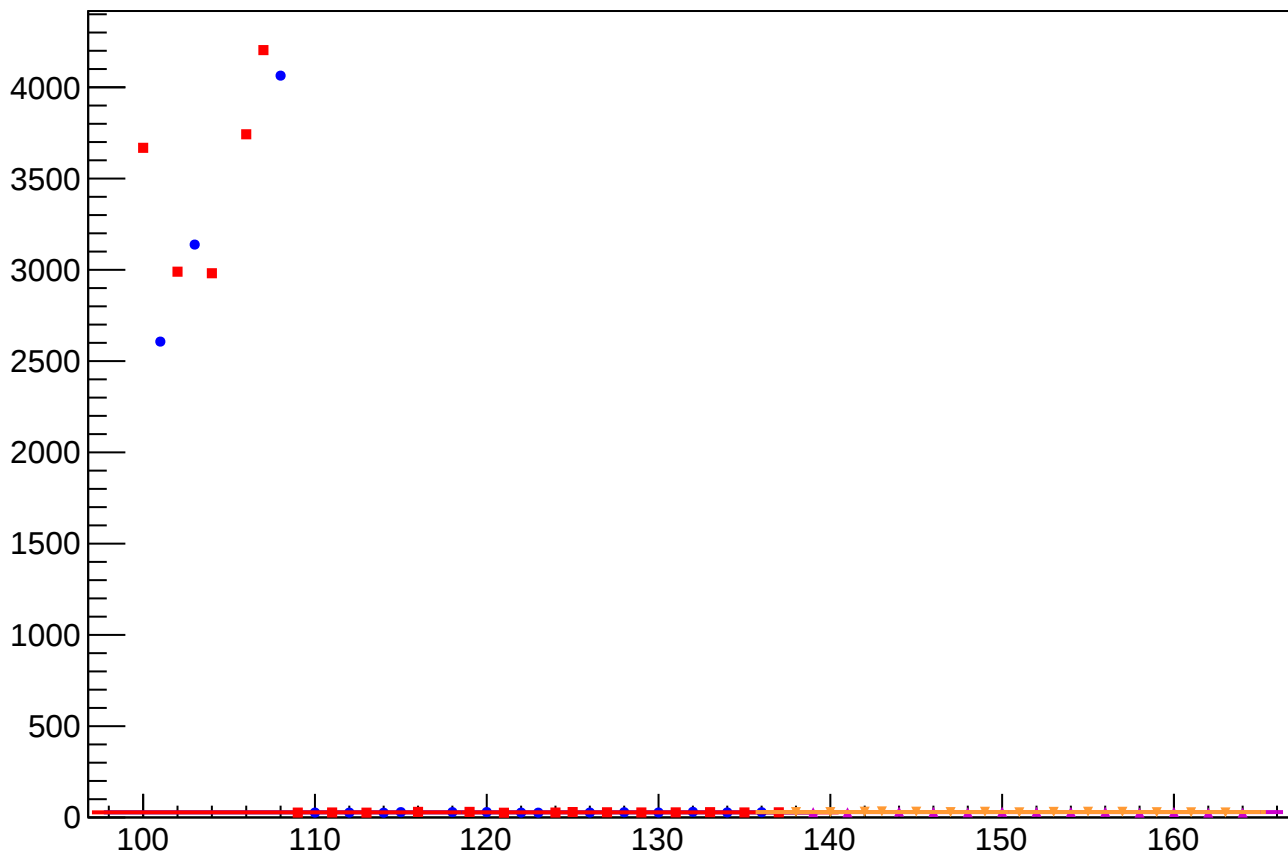
Right: 19.027+/-8.733 χ^2/NDF : 41.4/35

In: 10.348+/-7.369 χ^2/NDF : 35.8/29

Out: 0.787+/-7.352 χ^2/NDF : 35.9/32

All: 5.556+/-5.204 χ^2/NDF : 72.6/62

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: 29.708+/-0.006 χ^2/NDF : 58812.7/13

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

Left In: 29.400+/-0.006 χ^2/NDF : 91679.6/12

Left: 29.554+/-0.005 χ^2/NDF : 151623.4/26

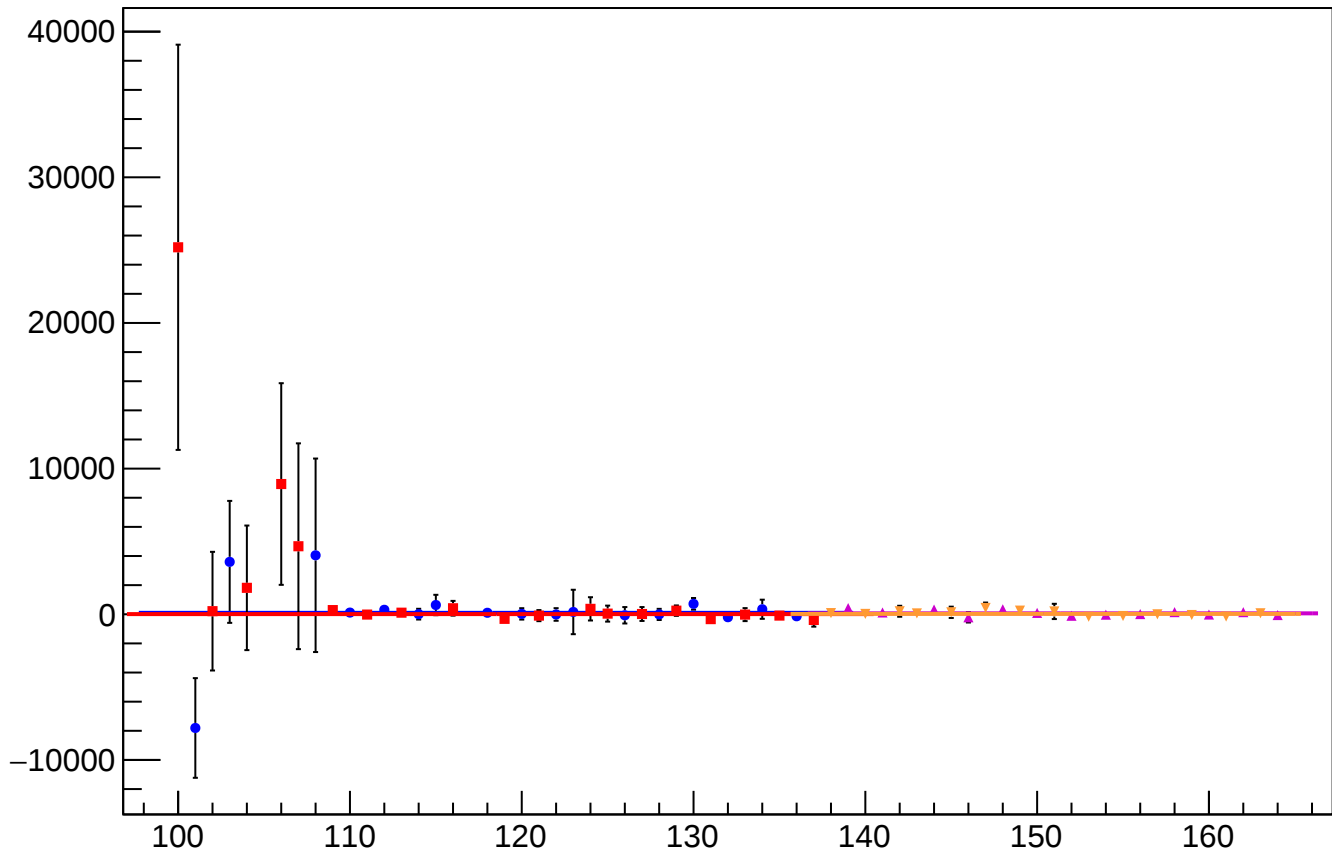
Right: 27.981+/-0.006 χ^2/NDF : 6507693.6/35

In: 28.919+/-0.005 χ^2/NDF : 3135089.6/29

Out: 29.072+/-0.005 χ^2/NDF : 3565676.3/32

All: 28.996+/-0.004 χ^2/NDF : 6701200.9/62

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: 26.742 $\pm$ 74.656 χ^2 /NDF:4.1/13

Right Out: 11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

Left In: 63.796 $\pm$ 61.317 χ^2 /NDF:5.9/12

Left: 48.869 $\pm$ 47.384 χ^2 /NDF: 10.1/26

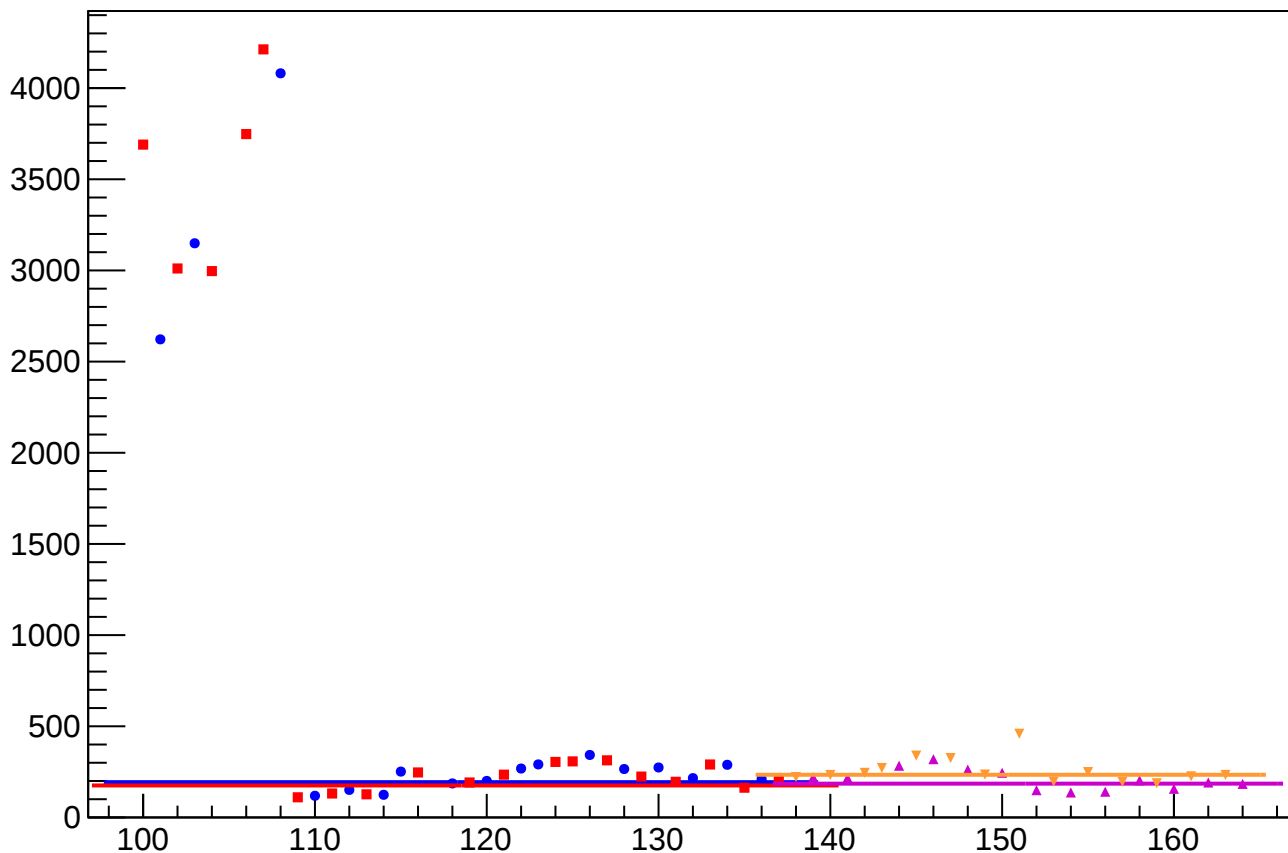
Right: 51.186 $\pm$ 60.278 χ^2 /NDF: 25.3/35

In: 74.817 $\pm$ 50.530 χ^2 /NDF:18.5/29

Out: 19.916 $\pm$ 55.134 χ^2 /NDF:16.4/32

All: 49.754 $\pm$ 37.252 χ^2 /NDF: 35.4/62

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 234.070+/-0.053 χ^2/NDF : 883895.4/13

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 185.410+/-0.043 χ^2/NDF : 1258368.4/12

Left: 205.012+/-0.034 χ^2/NDF : 2649659.4/26

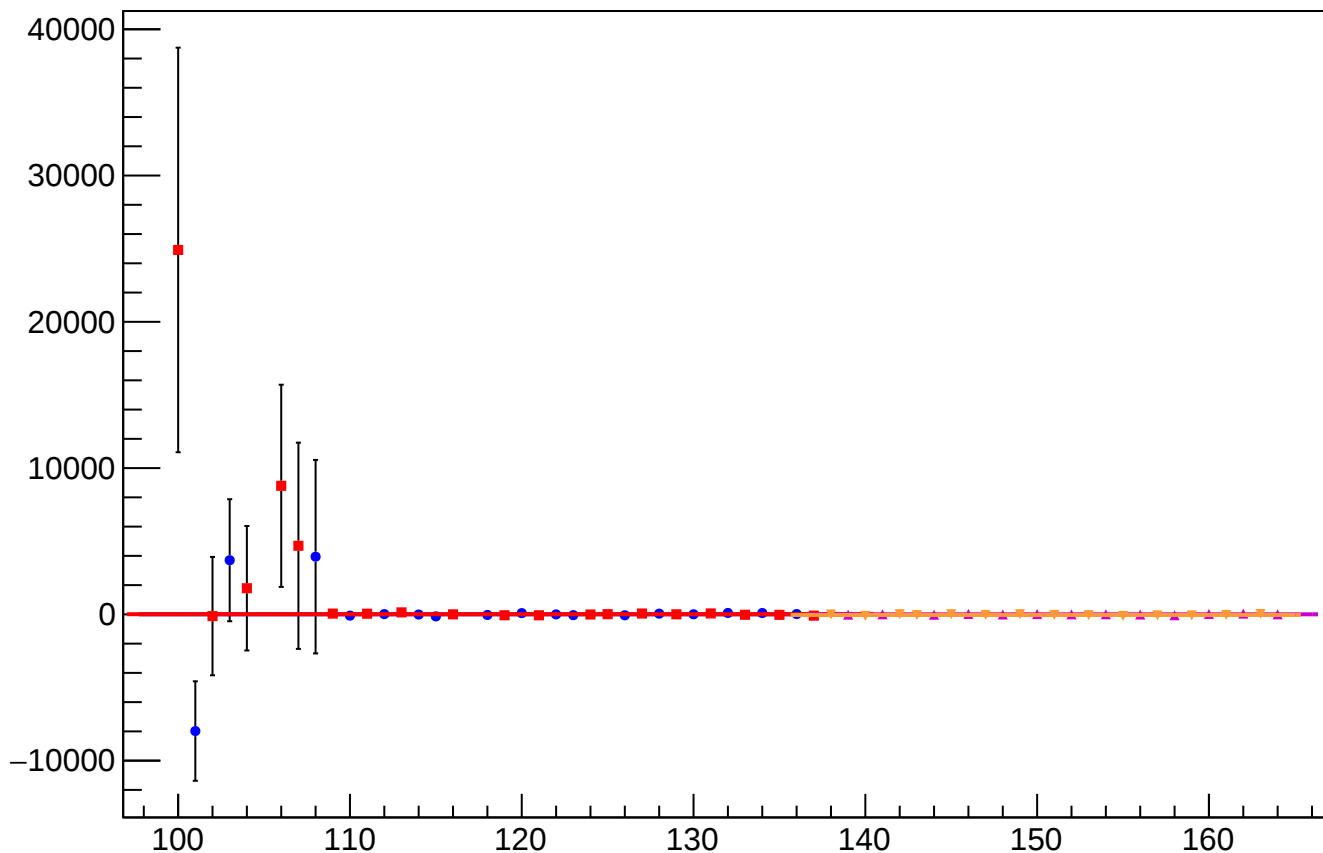
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 188.011+/-0.036 χ^2/NDF : 4806532.8/29

Out: 207.449+/-0.039 χ^2/NDF : 5608907.0/32

All: 196.885+/-0.026 χ^2/NDF : 10550537.8/62

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565+/-15.052 χ^2/NDF : 20.4/16

Left Out: -39.146+/-10.788 χ^2/NDF :15.2/13

Right Out: 12.158+/-14.952 χ^2/NDF : 21.9/18

Left In: 3.865+/-10.863 χ^2/NDF :6.9/12

Left: -17.790+/-7.654 χ^2/NDF : 30.0/26

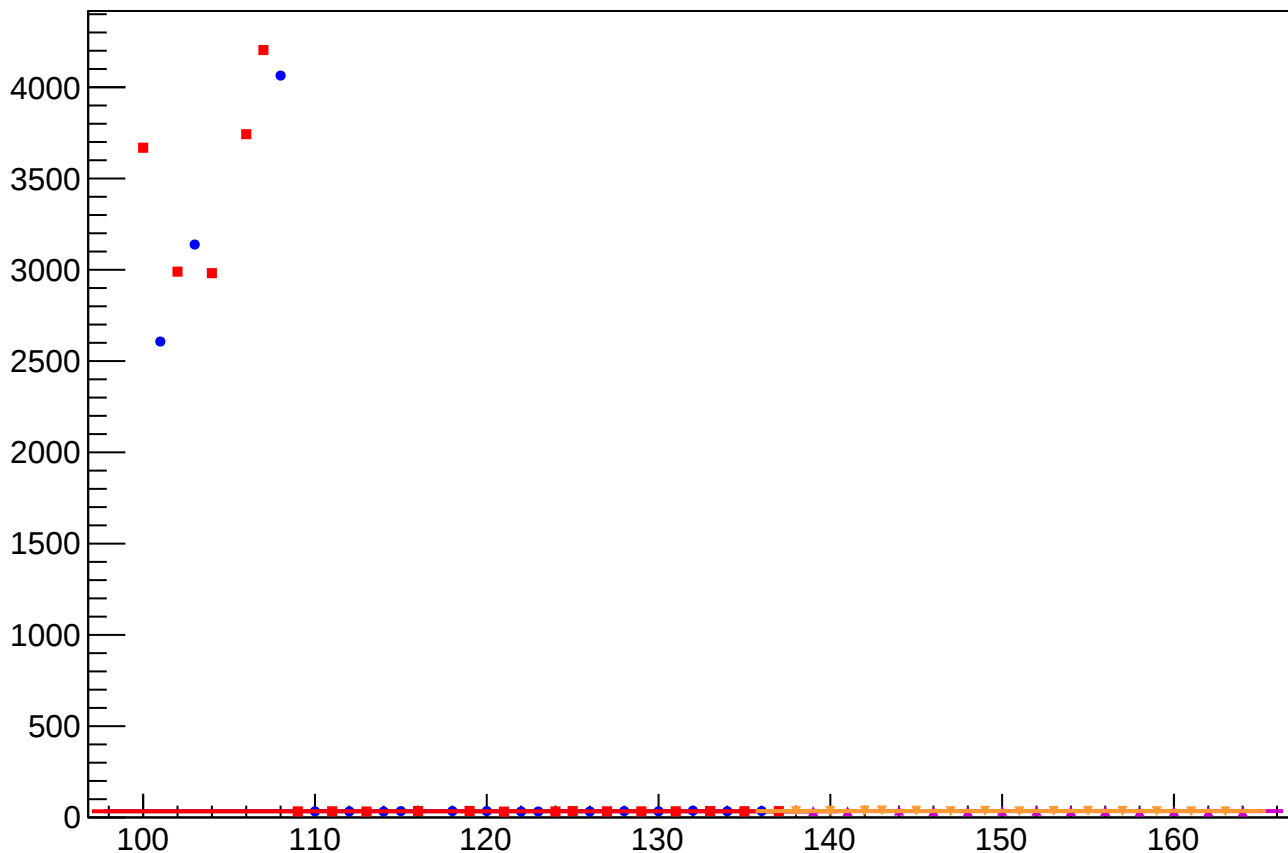
Right: 8.883+/-10.608 χ^2/NDF : 42.5/35

In: 4.447+/-8.808 χ^2/NDF :27.4/29

Out: -21.583+/-8.748 χ^2/NDF :44.9/32

All: -8.657+/-6.207 χ^2/NDF : 76.7/62

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 35.053 $\pm$ 0.008 χ^2 /NDF: 32606.8/13

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

Left In: 34.876 $\pm$ 0.008 χ^2 /NDF: 43561.8/12

Left: 34.965 $\pm$ 0.005 χ^2 /NDF: 76434.5/26

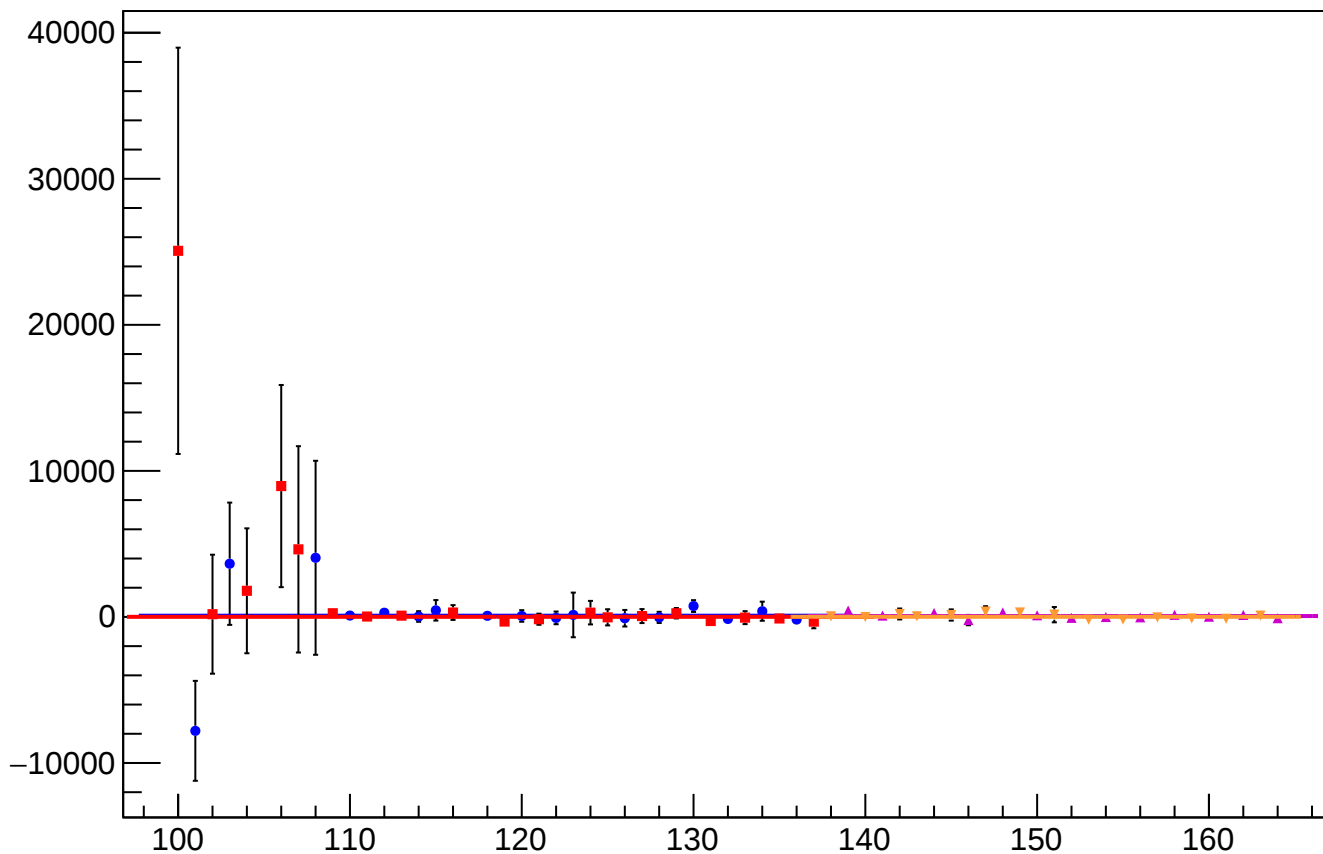
Right: 34.039 $\pm$ 0.008 χ^2 /NDF: 6458714.0/35

In: 34.634 $\pm$ 0.006 χ^2 /NDF: 3052991.7/29

Out: 34.663 $\pm$ 0.006 χ^2 /NDF: 3492168.9/32

All: 34.648 $\pm$ 0.004 χ^2 /NDF: 6545171.4/62

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: 10.562+/-74.461 χ^2/NDF : 4.5/13

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

Left In: 61.592+/-61.132 χ^2/NDF : 5.3/12

Left: 41.045+/-47.248 χ^2/NDF : 10.2/26

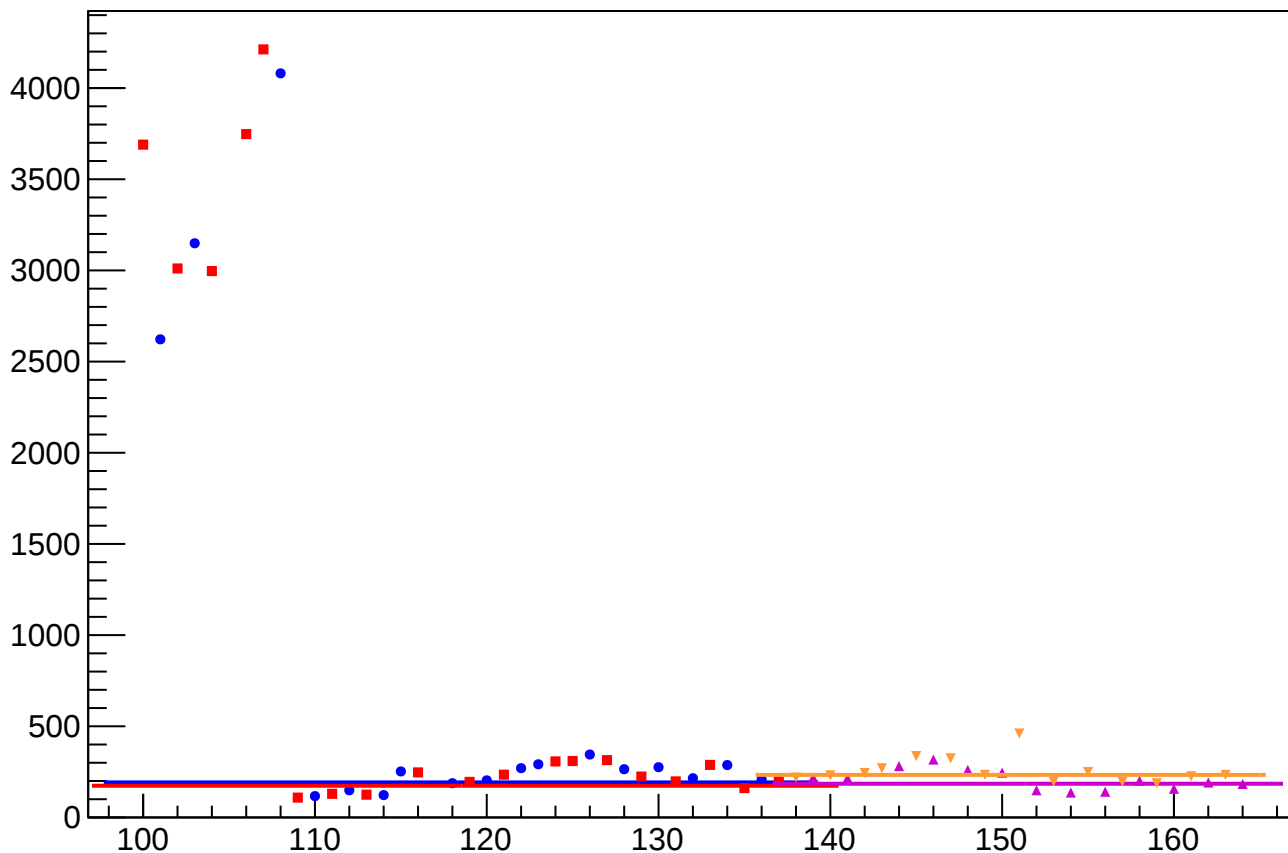
Right: 43.196+/-59.931 χ^2/NDF : 24.0/35

In: 68.965+/-50.344 χ^2/NDF : 17.9/29

Out: 9.651+/-54.898 χ^2/NDF : 15.6/32

All: 41.870+/-37.104 χ^2/NDF : 34.2/62

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 233.474+/-0.053 χ^2/NDF : 877026.6/13

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 184.872+/-0.043 χ^2/NDF : 1243722.3/12

Left: 204.441+/-0.033 χ^2/NDF : 2629745.2/26

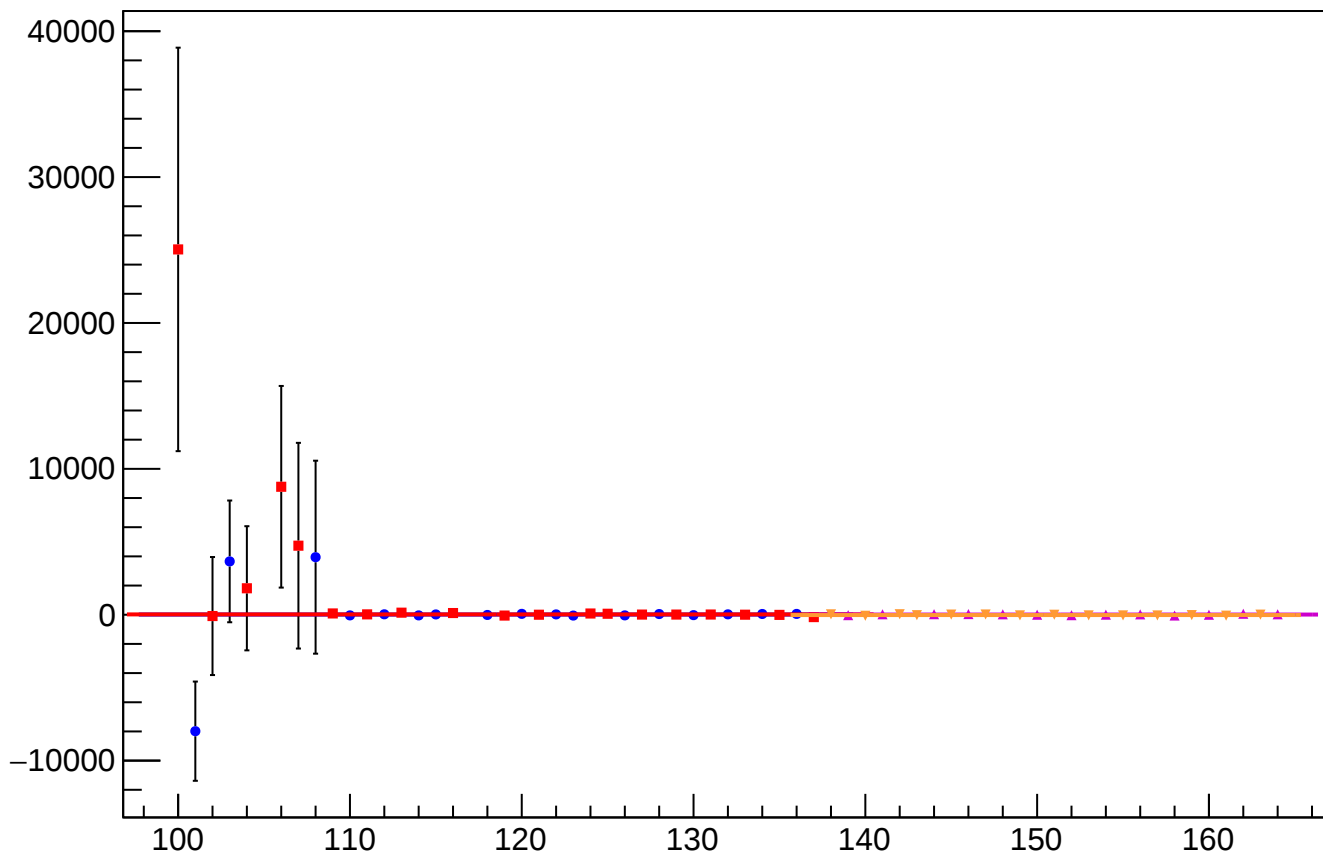
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 187.223+/-0.036 χ^2/NDF : 4827529.1/29

Out: 206.310+/-0.039 χ^2/NDF : 5671798.4/32

All: 195.942+/-0.026 χ^2/NDF : 10630650.9/62

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: -22.316+/-9.783 χ^2/NDF :11.2/13

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: 12.195+/-9.830 χ^2/NDF :12.2/12

Left: -5.143+/-6.934 χ^2/NDF : 29.5/26

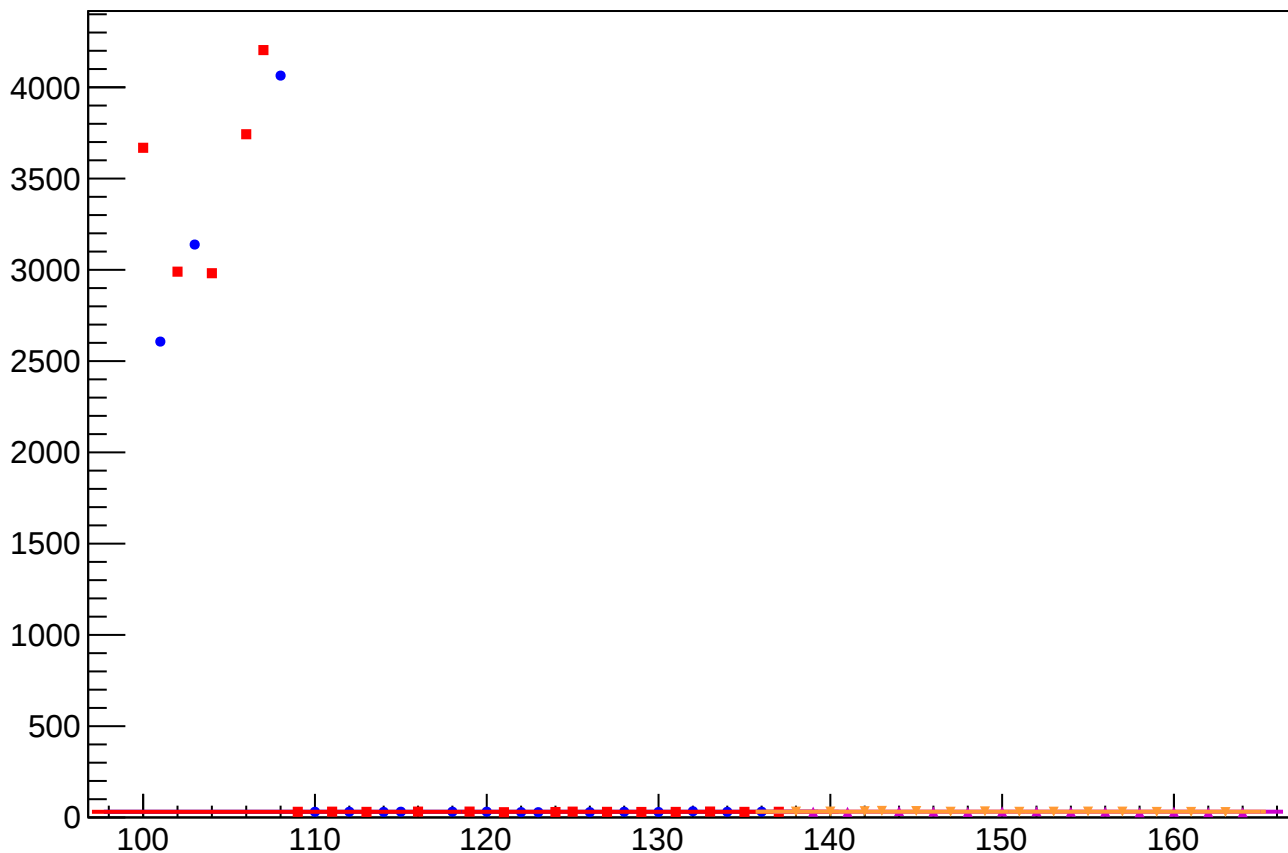
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 12.384+/-7.991 χ^2/NDF :26.8/29

Out: -7.084+/-7.953 χ^2/NDF :46.3/32

All: 2.604+/-5.637 χ^2/NDF : 76.1/62

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.750+/-0.007 χ^2/NDF : 59380.5/13

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.504+/-0.007 χ^2/NDF : 77600.8/12

Left: 31.627+/-0.005 χ^2/NDF : 137610.7/26

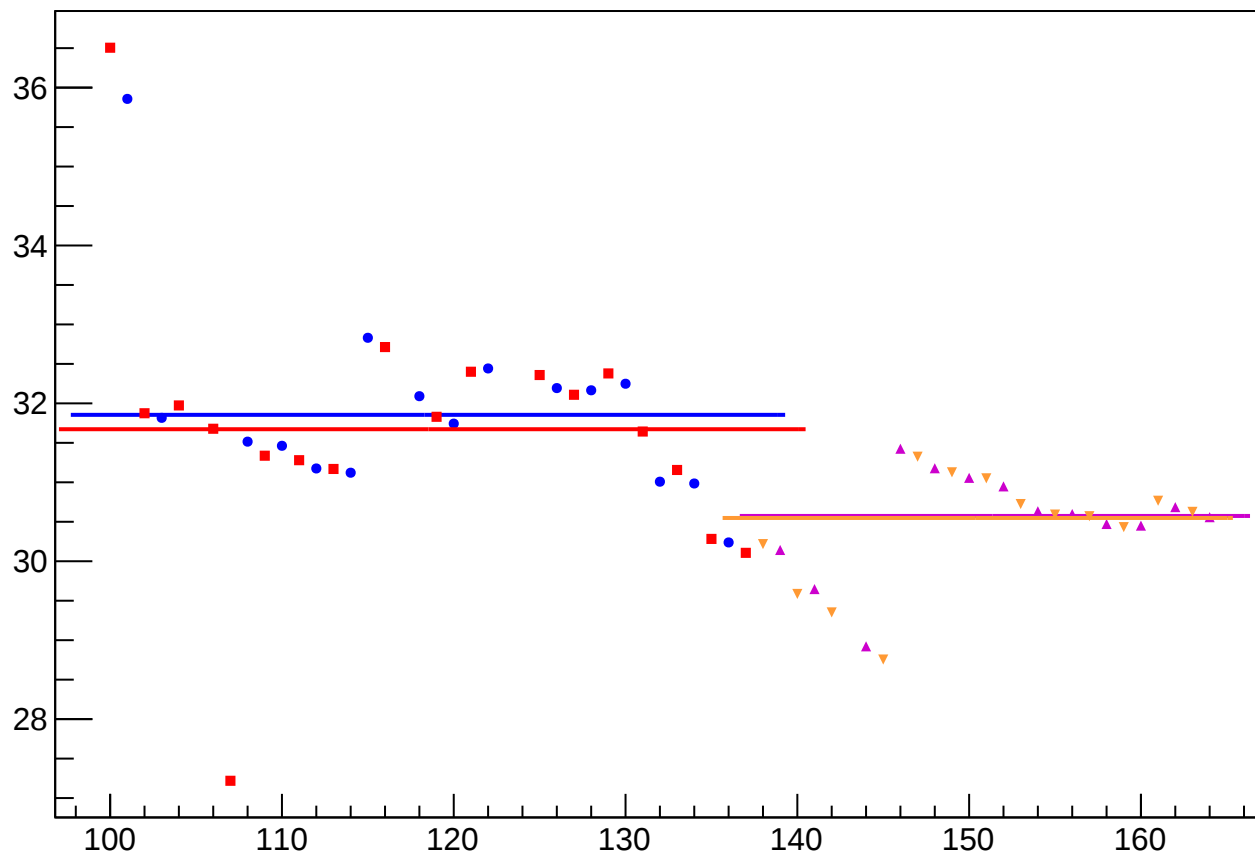
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.385+/-0.006 χ^2/NDF : 3092978.6/29

Out: 31.483+/-0.006 χ^2/NDF : 3522693.7/32

All: 31.434+/-0.004 χ^2/NDF : 6615823.7/62

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000

χ^2/NDF : 1570522165.5/15

Left: 30.561+/-0.000

χ^2/NDF : 1162705816.9/25

Left Out: 30.548+/-0.000

χ^2/NDF : 596258141.4/12

Right: 31.765+/-0.000

χ^2/NDF : 2508641774.0/33

Right Out: 31.672+/-0.000

χ^2/NDF : 917899841.8/17

In: 31.157+/-0.000

χ^2/NDF : 3248164082.8/28

Out: 31.058+/-0.000

χ^2/NDF : 2338261185.0/30

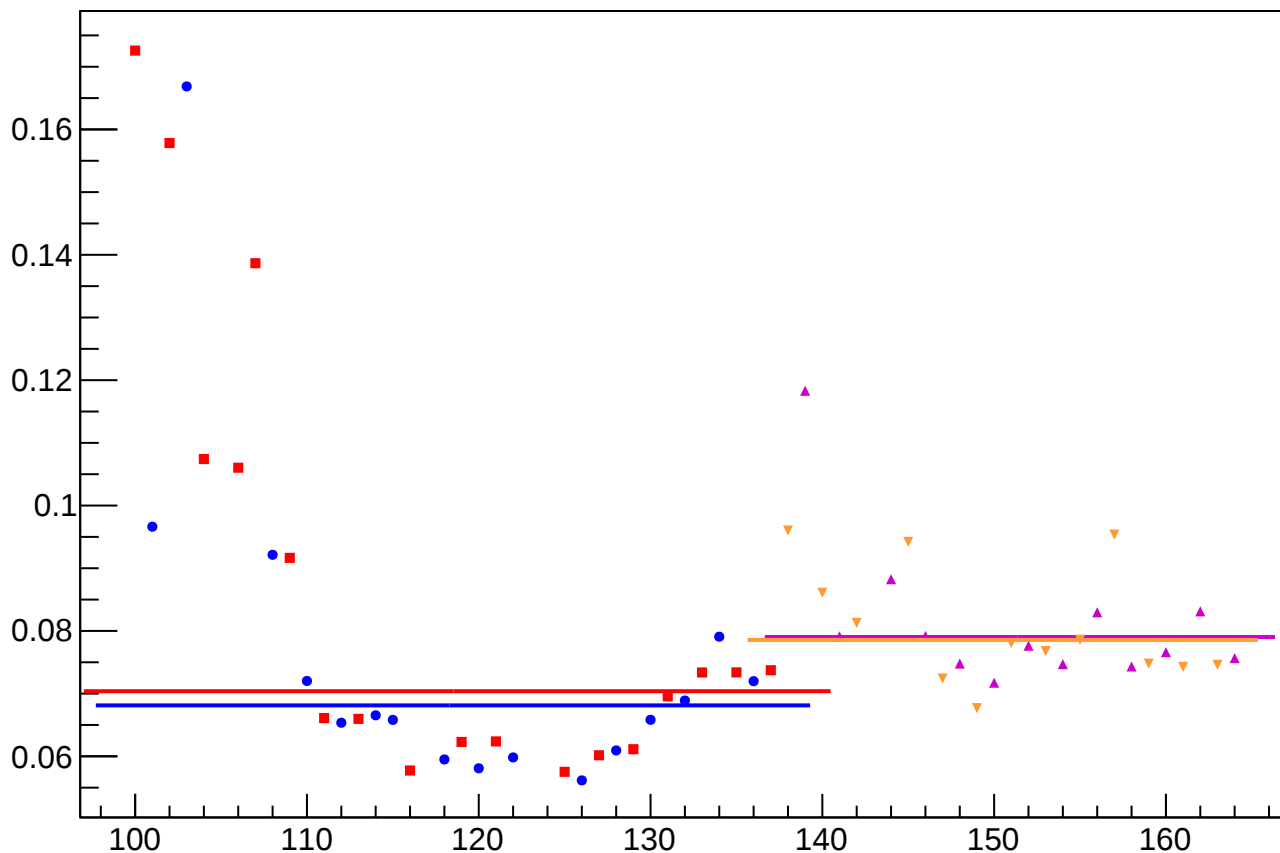
Left In: 30.574+/-0.000

χ^2/NDF : 565966416.7/12

All: 31.109+/-0.000

χ^2/NDF : 5599386510.5/55

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.079 $\pm$ 0.000 χ^2 /NDF:196627.6/12

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

Left In: 0.079 $\pm$ 0.000 χ^2 /NDF:213311.6/12

Left: 0.079 $\pm$ 0.000 χ^2 /NDF: 410252.9/25

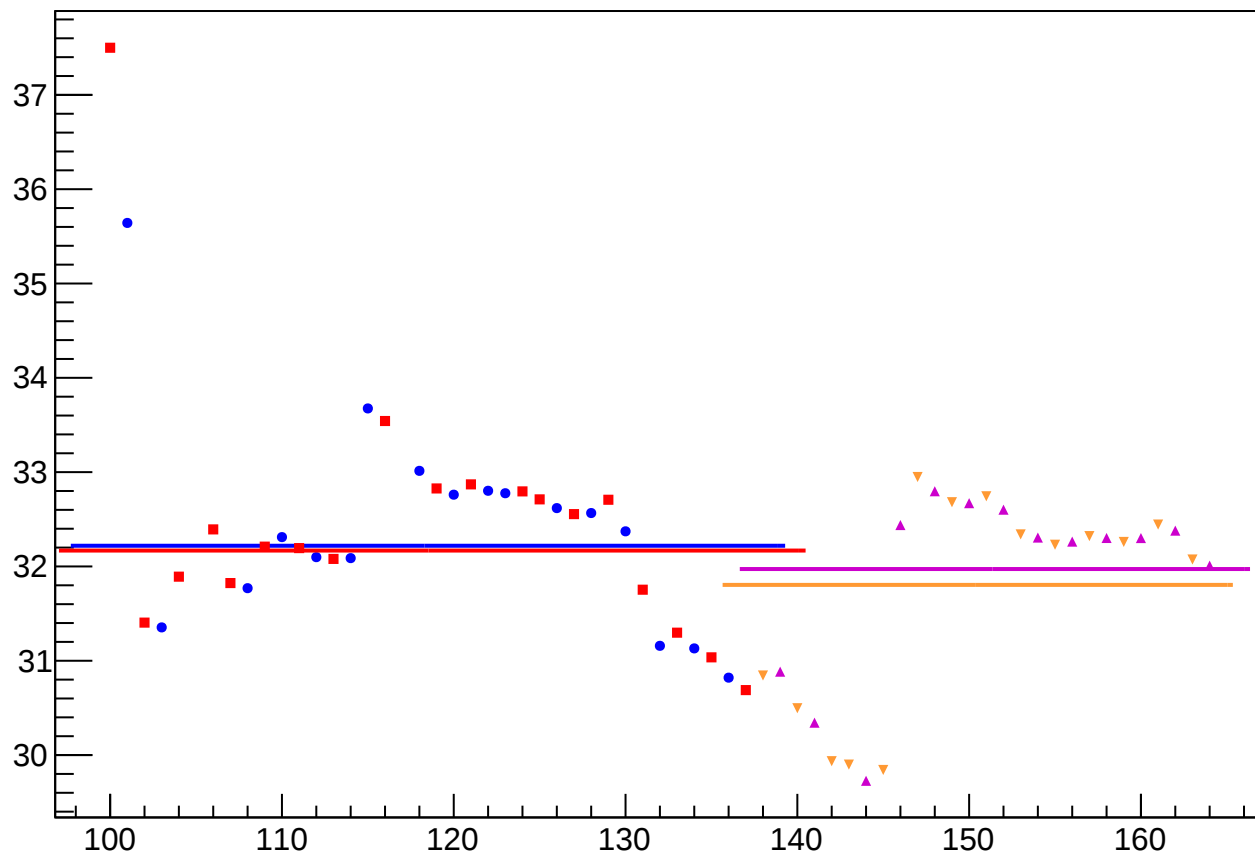
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1477315.9/33

In: 0.074 $\pm$ 0.000 χ^2 /NDF:1004207.6/28

Out: 0.075 $\pm$ 0.000 χ^2 /NDF:1125184.9/30

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2131053.7/59

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220 $\pm$ 0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.804 $\pm$ 0.000 χ^2/NDF : 1811830467.1/13

Right Out: 32.168 $\pm$ 0.000 χ^2/NDF : 442298310.3/18

Left In: 31.973 $\pm$ 0.000 χ^2/NDF : 1393958756.7/12

Left: 31.888 $\pm$ 0.000 χ^2/NDF : 3227586288.1/26

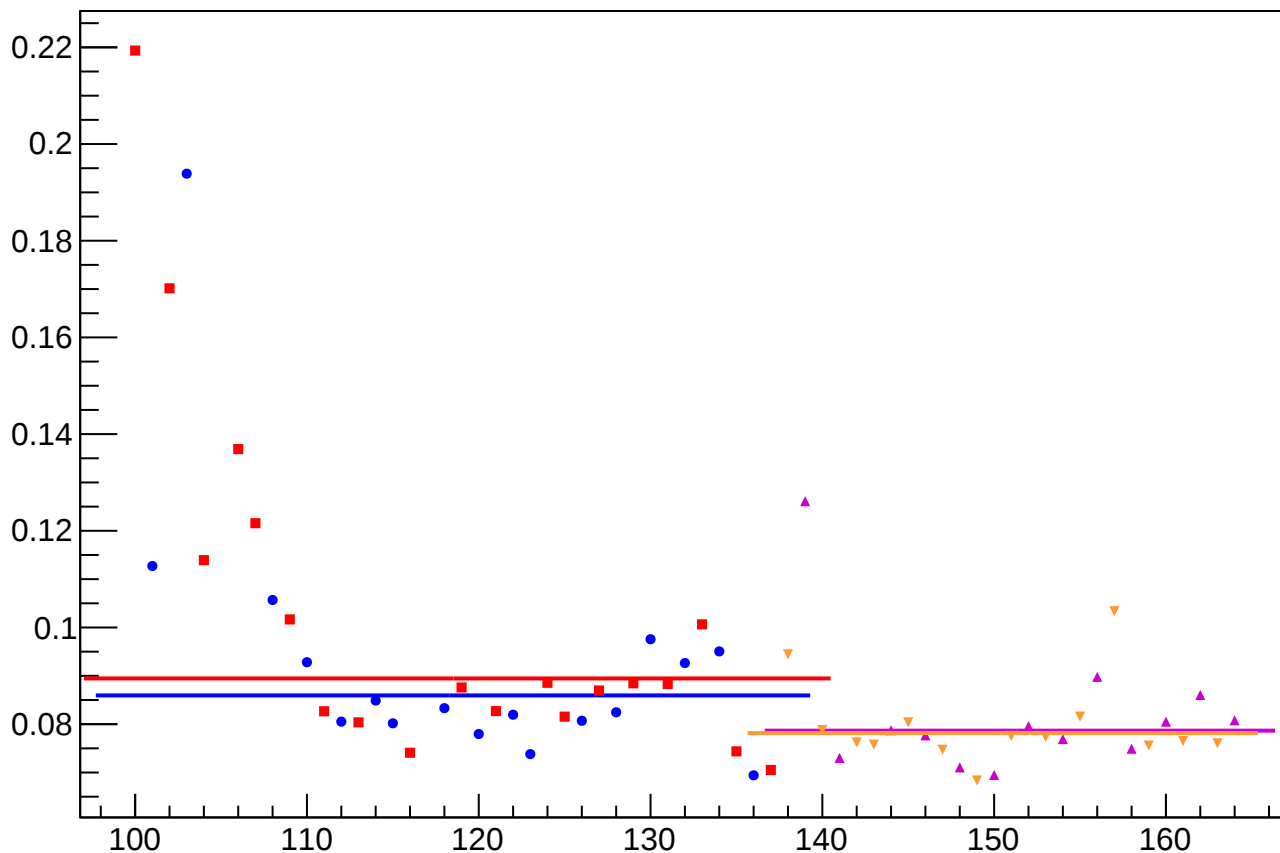
Right: 32.194 $\pm$ 0.000 χ^2/NDF : 1457173552.7/35

In: 32.056 $\pm$ 0.000 χ^2/NDF : 2439395432.0/29

Out: 31.925 $\pm$ 0.000 χ^2/NDF : 2322279232.8/32

All: 31.990 $\pm$ 0.000 χ^2/NDF : 4781836861.3/6

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.078 $\pm$ 0.000 χ^2 /NDF:159795.6/13

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 539869.9/18

Left In: 0.079 $\pm$ 0.000 χ^2 /NDF:292003.4/12

Left: 0.078 $\pm$ 0.000 χ^2 /NDF: 452186.7/26

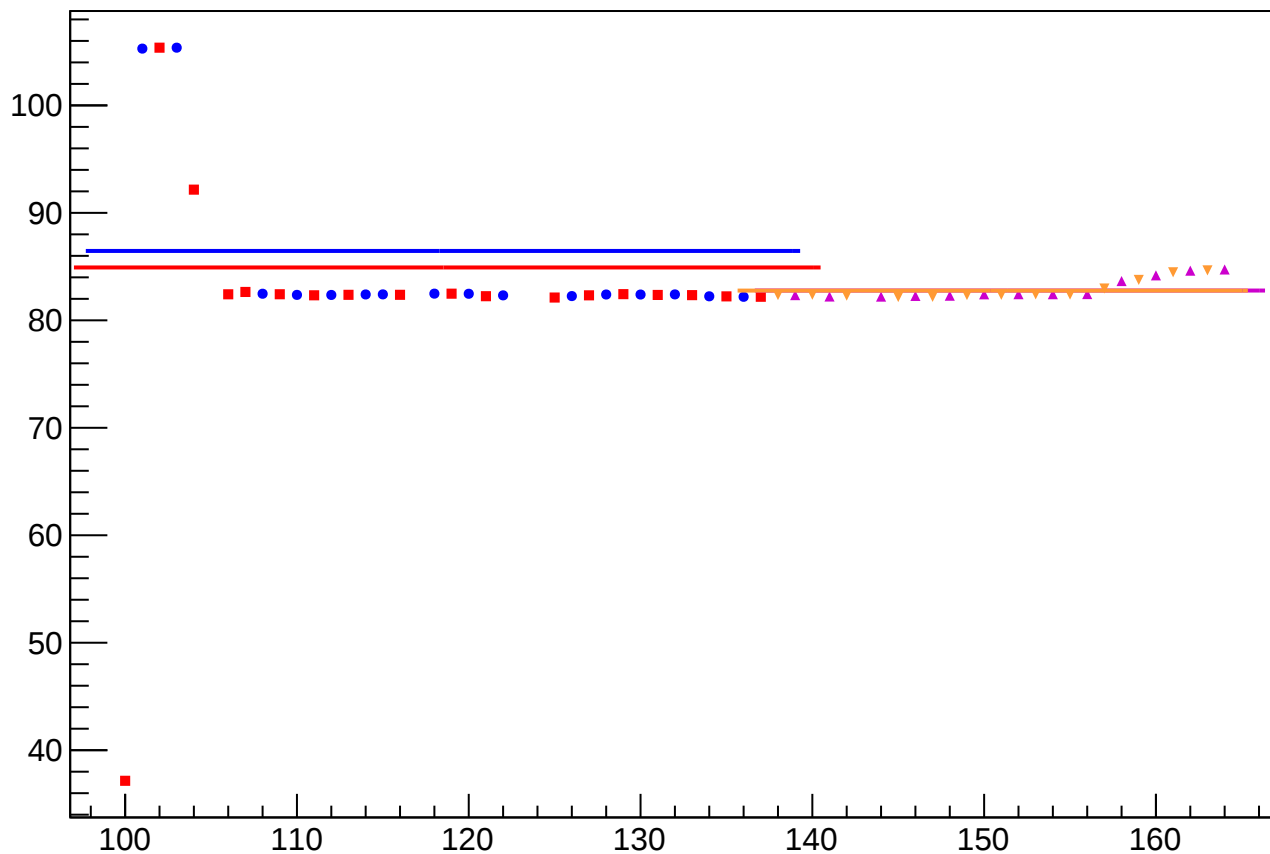
Right: 0.088 $\pm$ 0.000 χ^2 /NDF: 1102728.3/35

In: 0.081 $\pm$ 0.000 χ^2 /NDF:900266.8/29

Out: 0.082 $\pm$ 0.000 χ^2 /NDF:830988.8/32

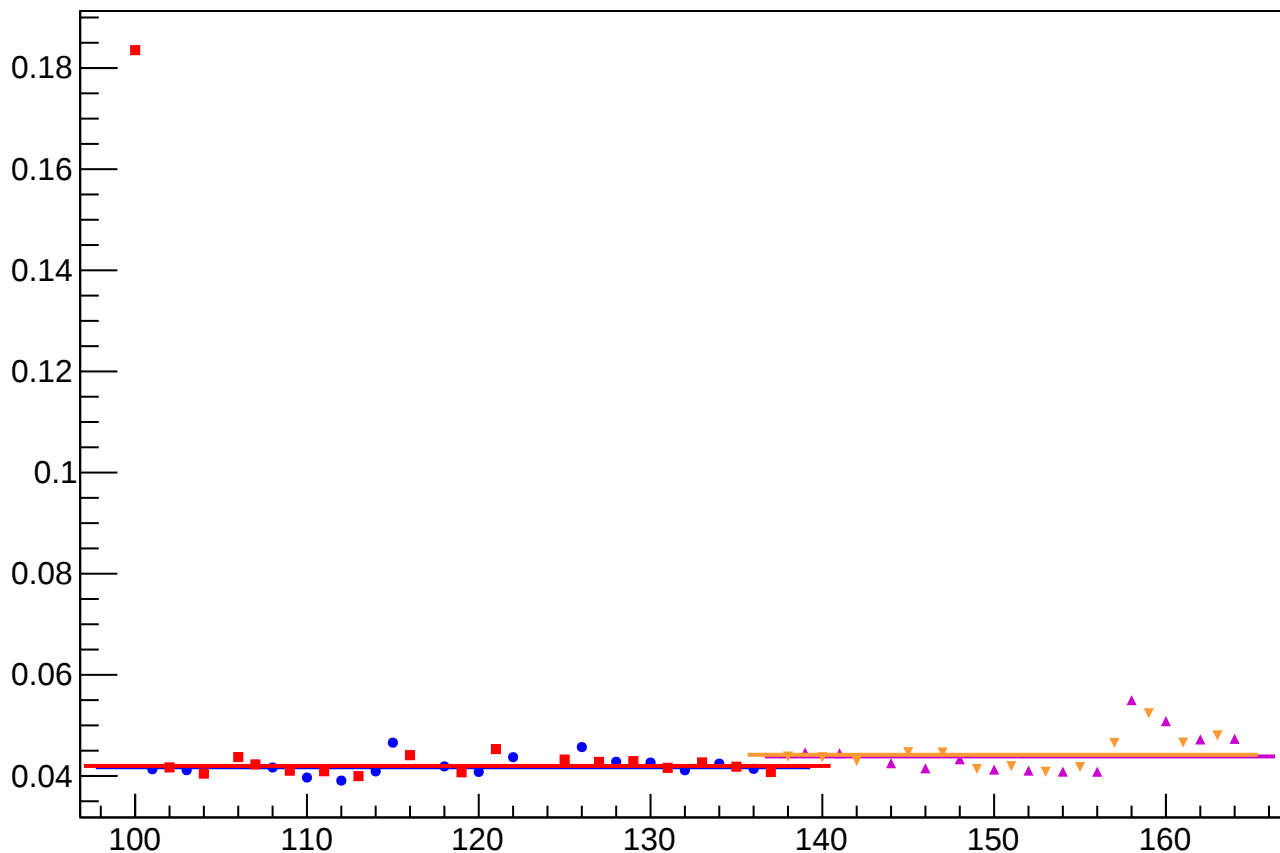
All: 0.082 $\pm$ 0.000 χ^2 /NDF: 1732569.8/62

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000	χ^2/NDF : 291421048436.2/15	Left: 82.769+/-0.000	χ^2/NDF : 6904115214.6/25
Left Out: 82.767+/-0.000	χ^2/NDF : 3224346193.2/12	Right: 85.675+/-0.000	χ^2/NDF : 468146833571.9/33
Right Out: 84.920+/-0.000	χ^2/NDF : 172195187677.7/17	In: 84.314+/-0.000	χ^2/NDF : 324857941108.1/28
Left In: 82.772+/-0.000	χ^2/NDF : 3679690752.4/12	Out: 83.717+/-0.000	χ^2/NDF : 185533118245.8/30
		All: 84.018+/-0.000	χ^2/NDF : 511981666802.0

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 :85604.1/12

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

Left In: 0.044+/-0.000 χ^2/NDF :147338.0/12

Left: 0.044+/-0.000 χ^2/NDF : 233497.3/25

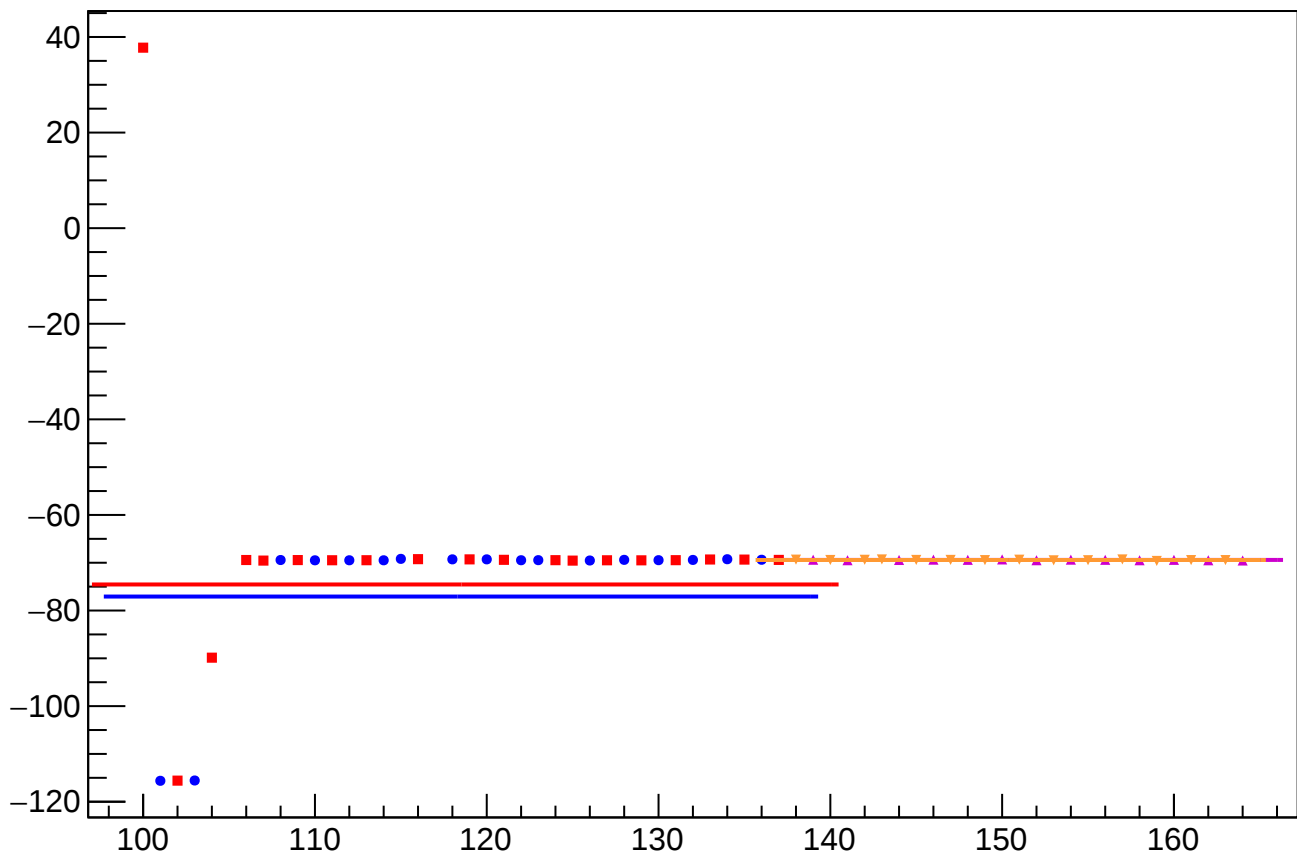
Right: 0.042+/-0.000 χ^2/NDF : 116001.6/33

In: 0.043+/-0.000 χ^2/NDF :186140.1/28

Out: 0.043+/-0.000 χ^2/NDF :203762.9/30

All: 0.043+/-0.000 χ^2/NDF : 390449.0/59

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.427+/-0.000 χ^2/NDF : 20430100.0/13

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

Left In: -69.411+/-0.000 χ^2/NDF : 11966171.9/12

Left: -69.419+/-0.000 χ^2/NDF : 32823001.9/26

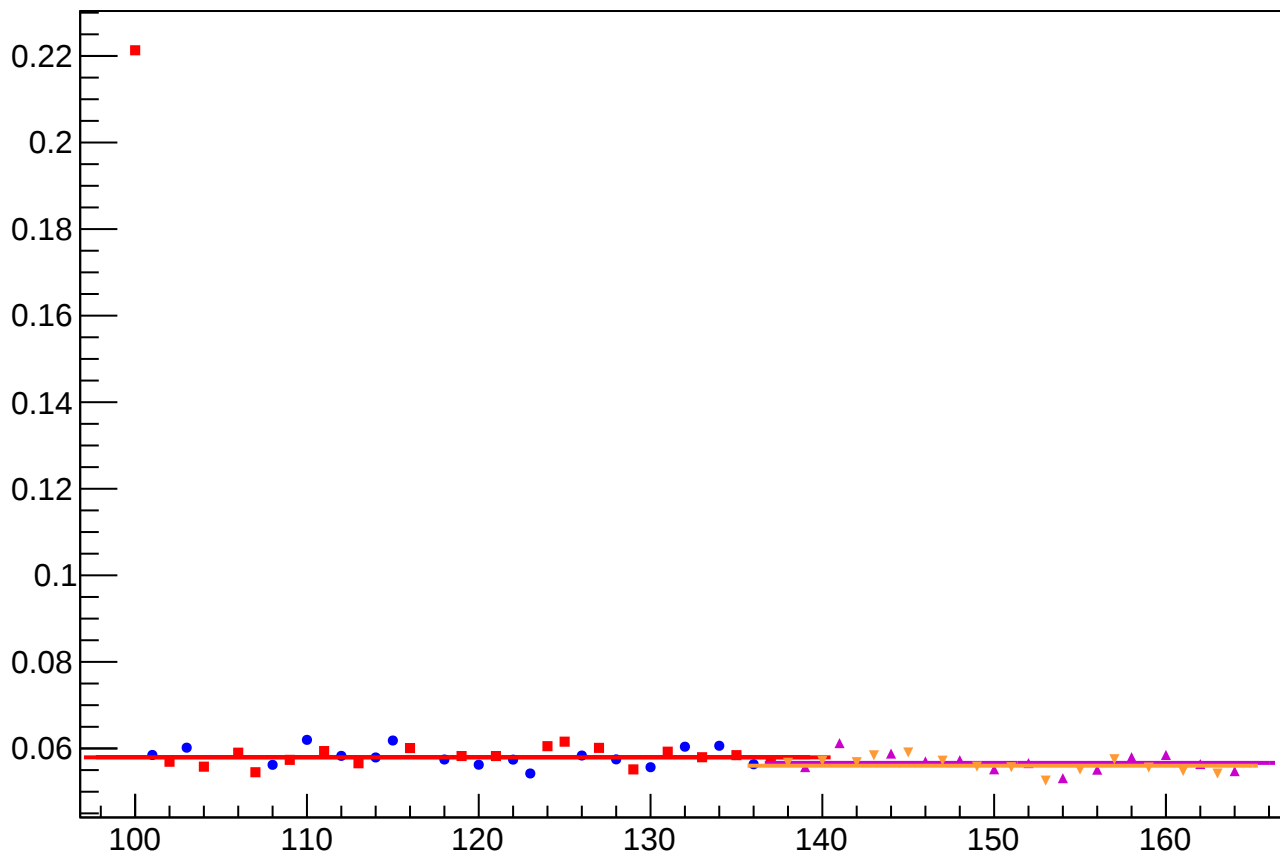
Right: -75.769+/-0.000 χ^2/NDF : 943595296169.5/3

In: -72.333+/-0.000 χ^2/NDF : 634987189942.3/29

Out: -71.403+/-0.000 χ^2/NDF : 404779393344.1/32

All: -71.856+/-0.000 χ^2/NDF : 104199135256

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056+/-0.000 χ^2/NDF : 18390.7/13

Right Out: 0.058+/-0.000 χ^2/NDF : 86466.5/18

Left In: 0.057+/-0.000 χ^2/NDF : 25327.4/12

Left: 0.056+/-0.000 χ^2/NDF : 45070.1/26

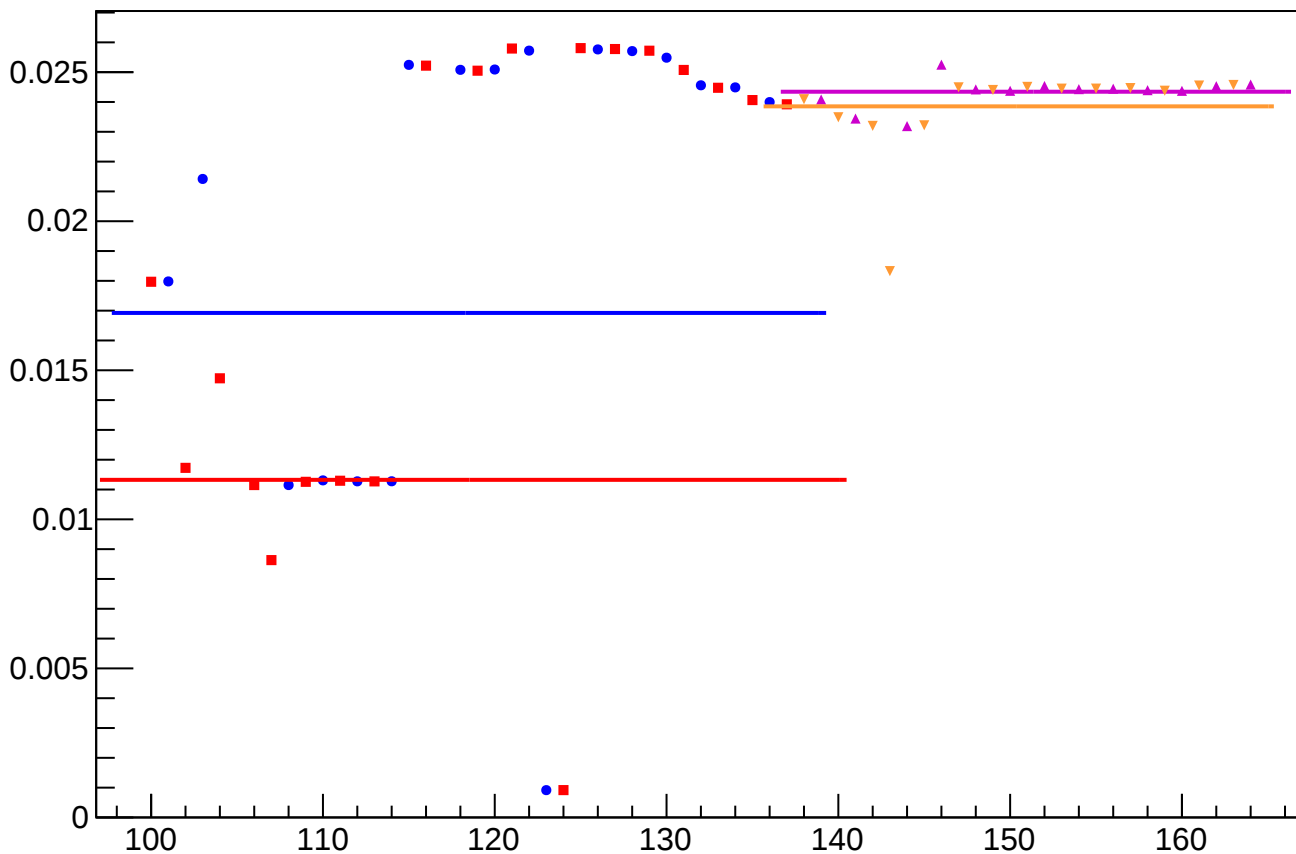
Right: 0.058+/-0.000 χ^2/NDF : 98743.9/35

In: 0.057+/-0.000 χ^2/NDF : 41650.8/29

Out: 0.057+/-0.000 χ^2/NDF : 114191.8/32

All: 0.057+/-0.000 χ^2/NDF : 156692.1/62

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000

χ^2/NDF : 126447785006.7/16

Left: 0.024+/-0.000

χ^2/NDF : 5813728338.6/26

Left Out: 0.024+/-0.000

χ^2/NDF : 5140591504.8/13

Right: 0.014+/-0.000

χ^2/NDF : 392122680736.2/35

Right Out: 0.011+/-0.000

χ^2/NDF : 234754769754.2/18

In: 0.021+/-0.000

χ^2/NDF : 176985581920.1/29

Out: 0.017+/-0.000

χ^2/NDF : 412427184515.5/32

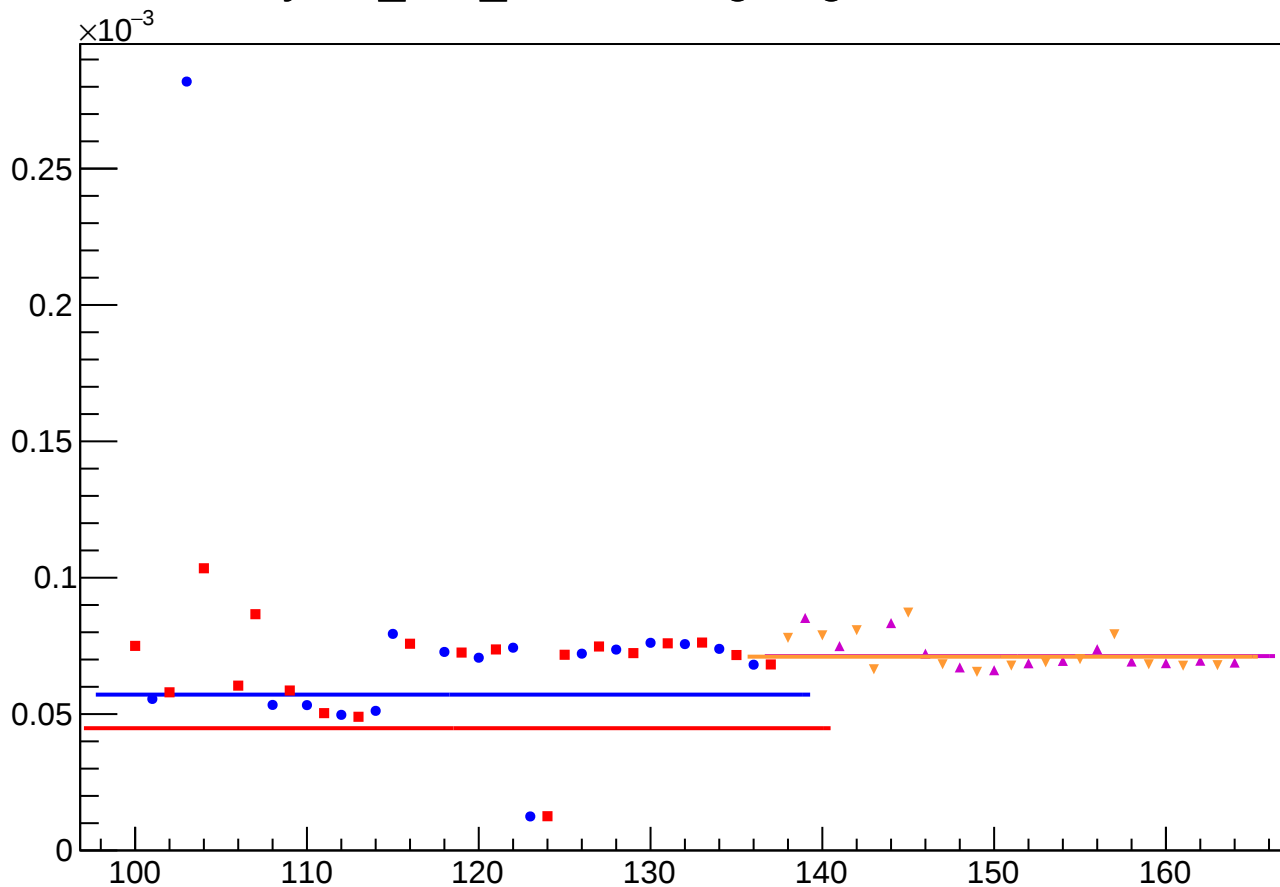
Left In: 0.024+/-0.000

χ^2/NDF : 431024896.5/12

All: 0.019+/-0.000

χ^2/NDF : 619570547869.8

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 :139123.3/13

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :105175.7/12

Left: 0.000+/-0.000 χ^2/NDF : 244387.3/26

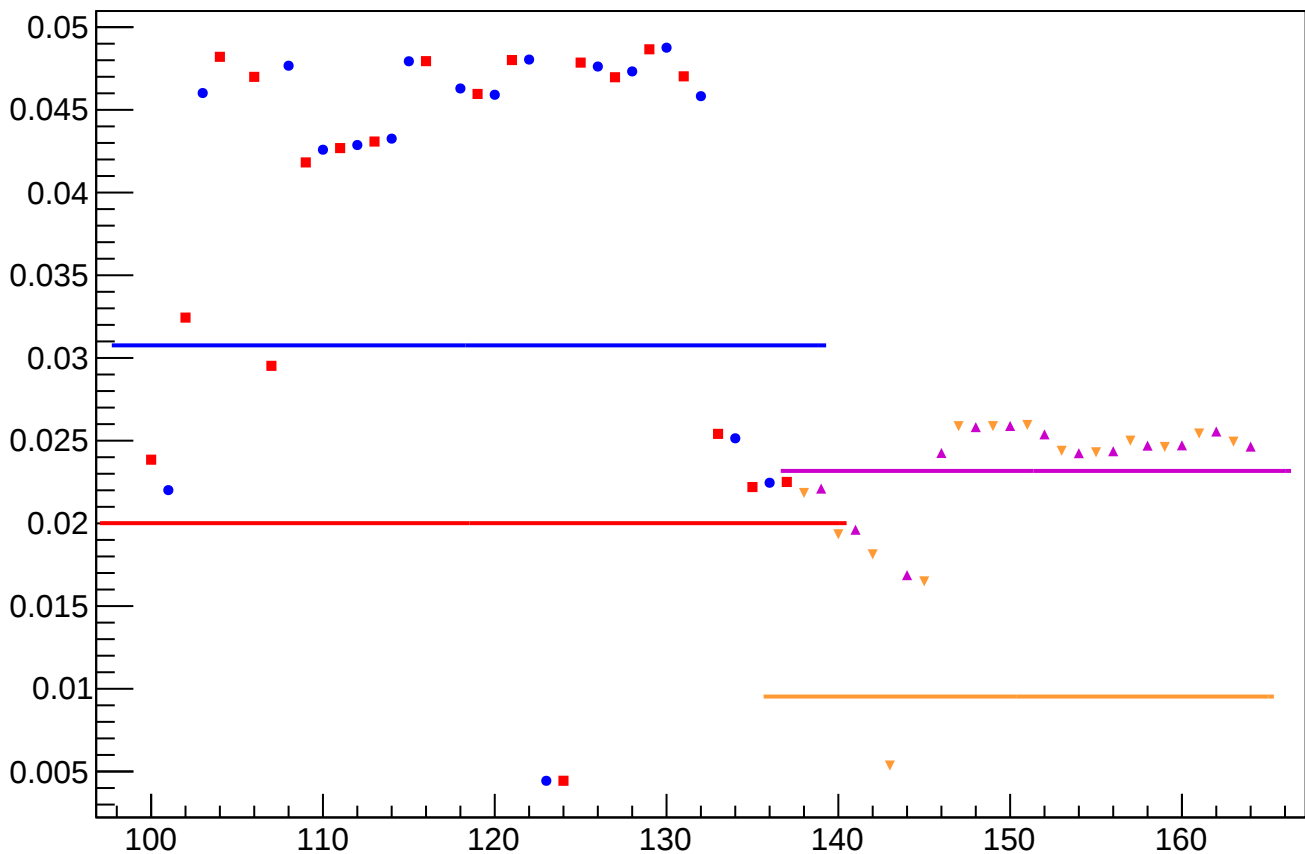
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2468816.3/29

Out: 0.000+/-0.000 χ^2/NDF :5243884.3/32

All: 0.000+/-0.000 χ^2/NDF : 7965906.6/62

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21174738549.0/16

Left: 0.012+/-0.000

χ^2/NDF : 44025528454.5/26

Left Out: 0.010+/-0.000

χ^2/NDF : 26848482391.8/13

Right: 0.024+/-0.000

χ^2/NDF : 66286425044.9/35

Right Out: 0.020+/-0.000

χ^2/NDF : 40011334157.0/18

In: 0.026+/-0.000

χ^2/NDF : 24677182220.6/29

Out: 0.012+/-0.000

χ^2/NDF : 77113437160.1/32

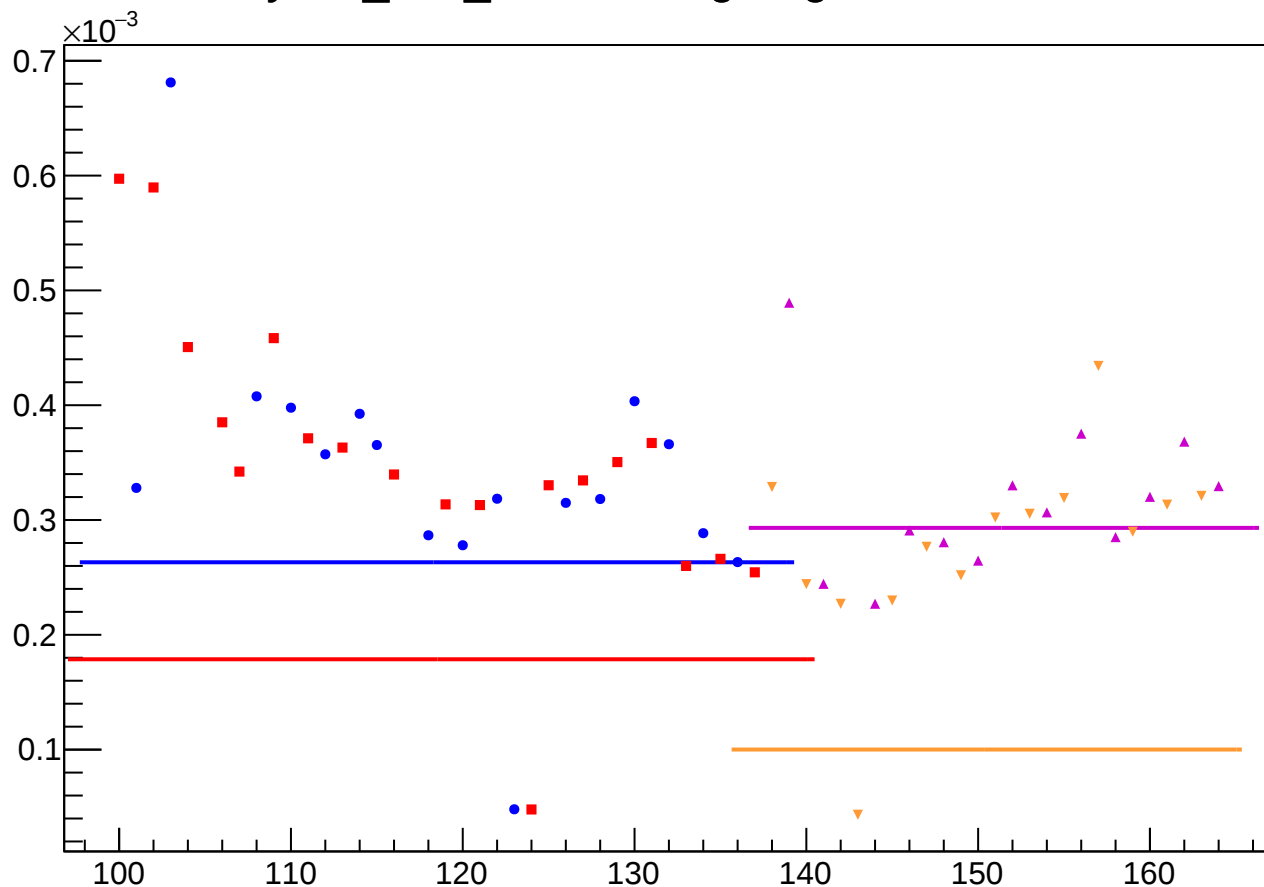
Left In: 0.023+/-0.000

χ^2/NDF : 1047842427.9/12

All: 0.015+/-0.000

χ^2/NDF : 130414837521.5

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 : 9916802.2/13

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 609740.4/12

Left: 0.000+/-0.000 χ^2/NDF : 16988688.2/26

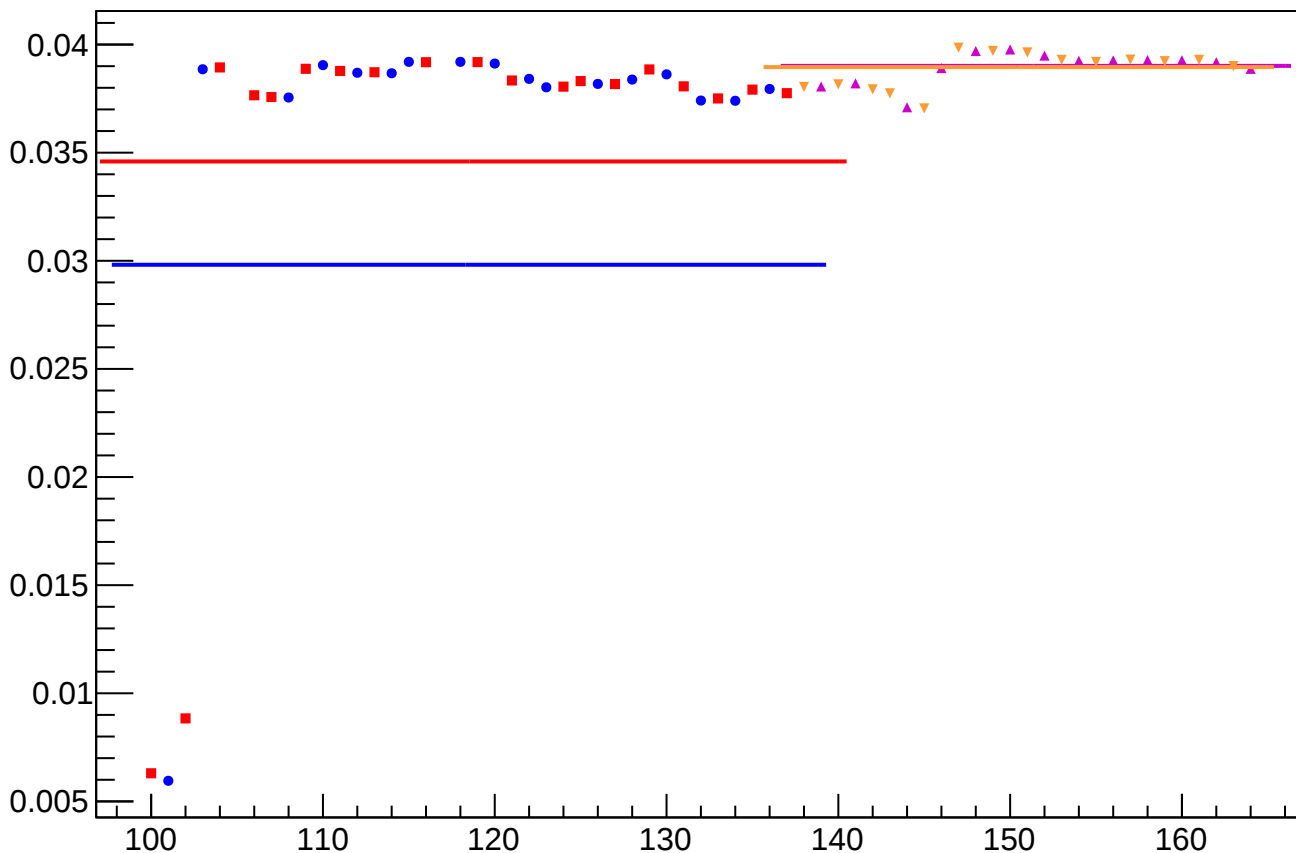
Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF : 3087274.6/29

Out: 0.000+/-0.000 χ^2/NDF : 16411317.6/32

All: 0.000+/-0.000 χ^2/NDF : 26896156.2/62

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000

χ^2/NDF : 97152184939.3/16

Left: 0.039+/-0.000 χ^2/NDF : 617326041.3/26

Right: 0.032+/-0.000 χ^2/NDF : 145974720907.4/35

Left Out: 0.039+/-0.000

χ^2/NDF : 341686906.0/13

In: 0.035+/-0.000 χ^2/NDF : 119119084481.2/29

Right Out: 0.035+/-0.000

χ^2/NDF : 43669374279.3/18

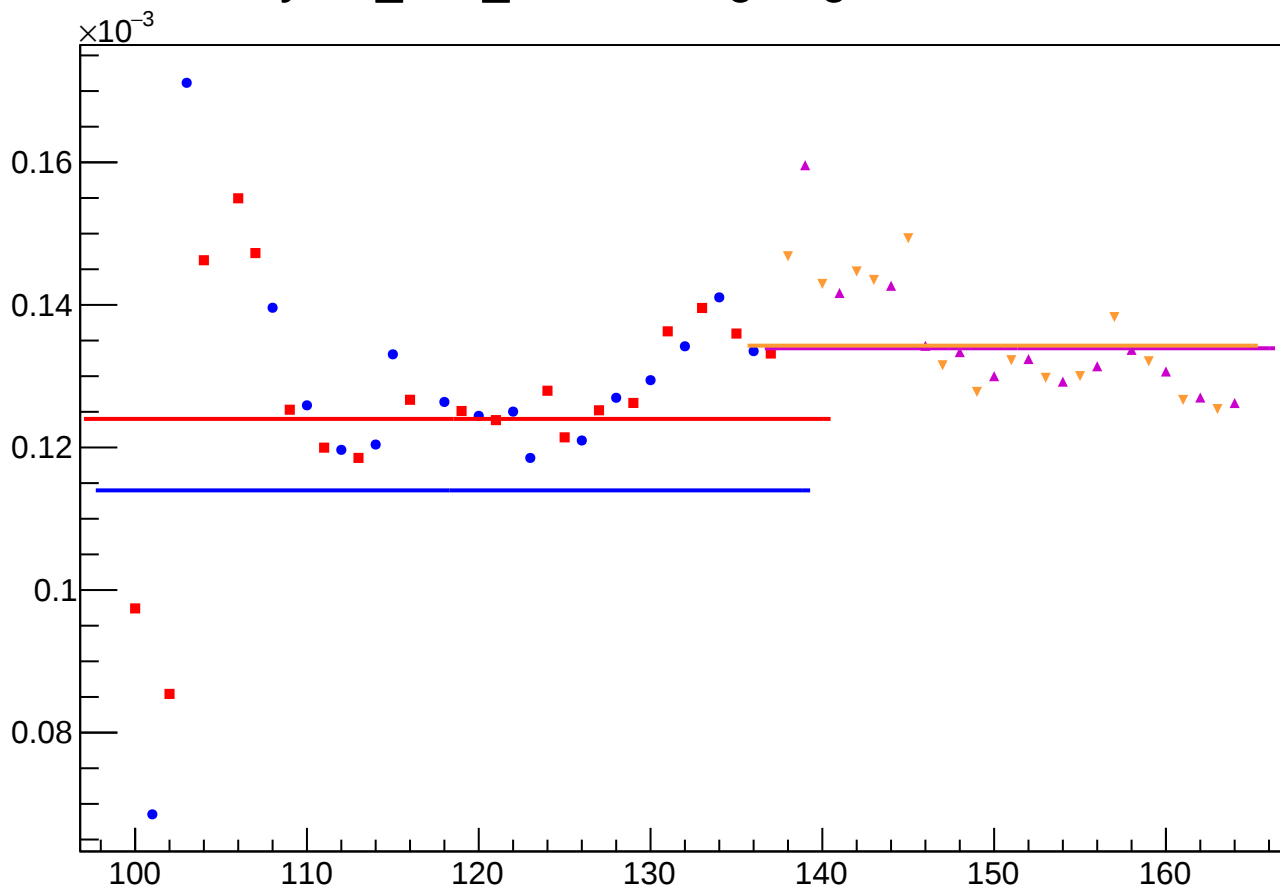
Out: 0.037+/-0.000 χ^2/NDF : 48690094280.4/32

Left In: 0.039+/-0.000

χ^2/NDF : 274735812.5/12

All: 0.036+/-0.000 χ^2/NDF : 170407704327.3

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 : 64367.5/13

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 62320.0/12

Left: 0.000+/-0.000 χ^2/NDF : 126764.1/26

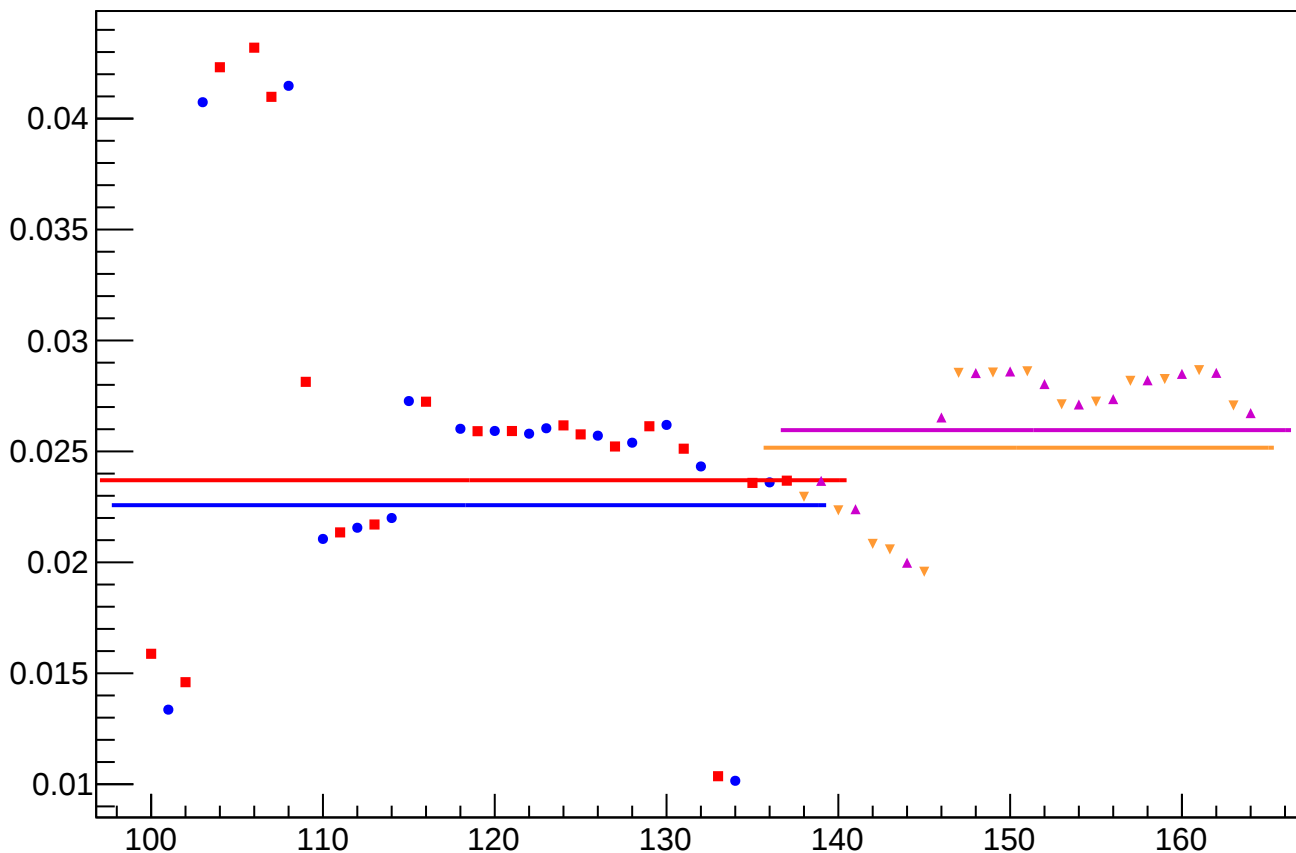
Right: 0.000+/-0.000 χ^2/NDF : 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF : 1060733.1/29

Out: 0.000+/-0.000 χ^2/NDF : 361442.9/32

All: 0.000+/-0.000 χ^2/NDF : 1447980.1/62

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000

χ^2/NDF : 4247774712.9/16

Left Out: 0.025+/-0.000

χ^2/NDF : 1586150740.8/13

Right Out: 0.024+/-0.000

χ^2/NDF : 5651397656.1/18

Left In: 0.026+/-0.000

χ^2/NDF : 1101245046.4/12

Left: 0.026+/-0.000

χ^2/NDF : 2724440854.2/26

Right: 0.023+/-0.000

χ^2/NDF : 9954563356.3/35

In: 0.024+/-0.000

χ^2/NDF : 5920812534.5/29

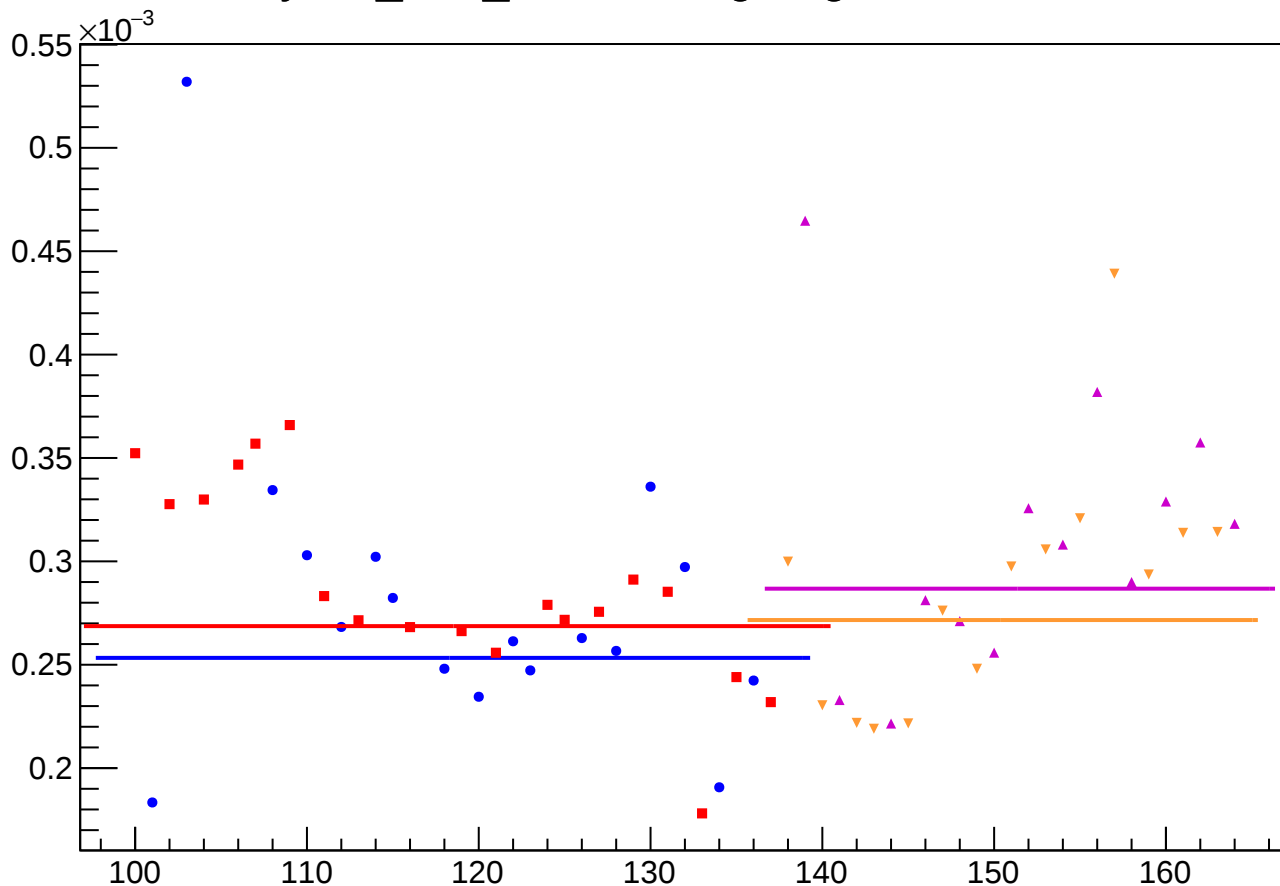
Out: 0.025+/-0.000

χ^2/NDF : 7346251671.3/32

All: 0.025+/-0.000

χ^2/NDF : 13268541250.4/6

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 :540595.7/13

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF :656560.7/12

Left: 0.000+/-0.000 χ^2/NDF : 1224308.4/26

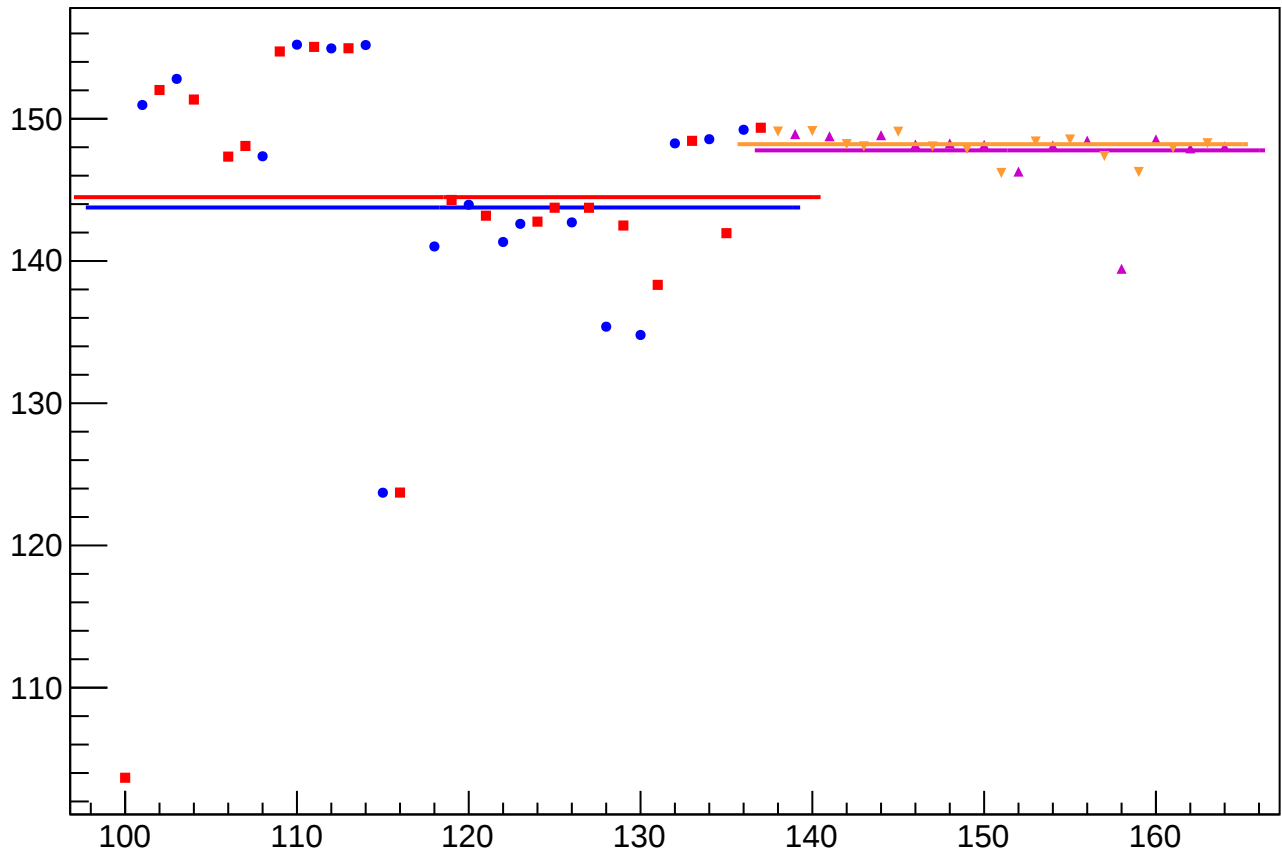
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF :1397652.3/29

Out: 0.000+/-0.000 χ^2/NDF :969799.6/32

All: 0.000+/-0.000 χ^2/NDF : 2367883.2/62

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.213+/-0.000 χ^2/NDF : 50611457.0/13

Right Out: 144.490+/-0.000 χ^2/NDF : 4182548232.5/18

Left In: 147.779+/-0.000 χ^2/NDF : 321441427.5/12

Left: 148.002+/-0.000 χ^2/NDF : 378109110.5/26

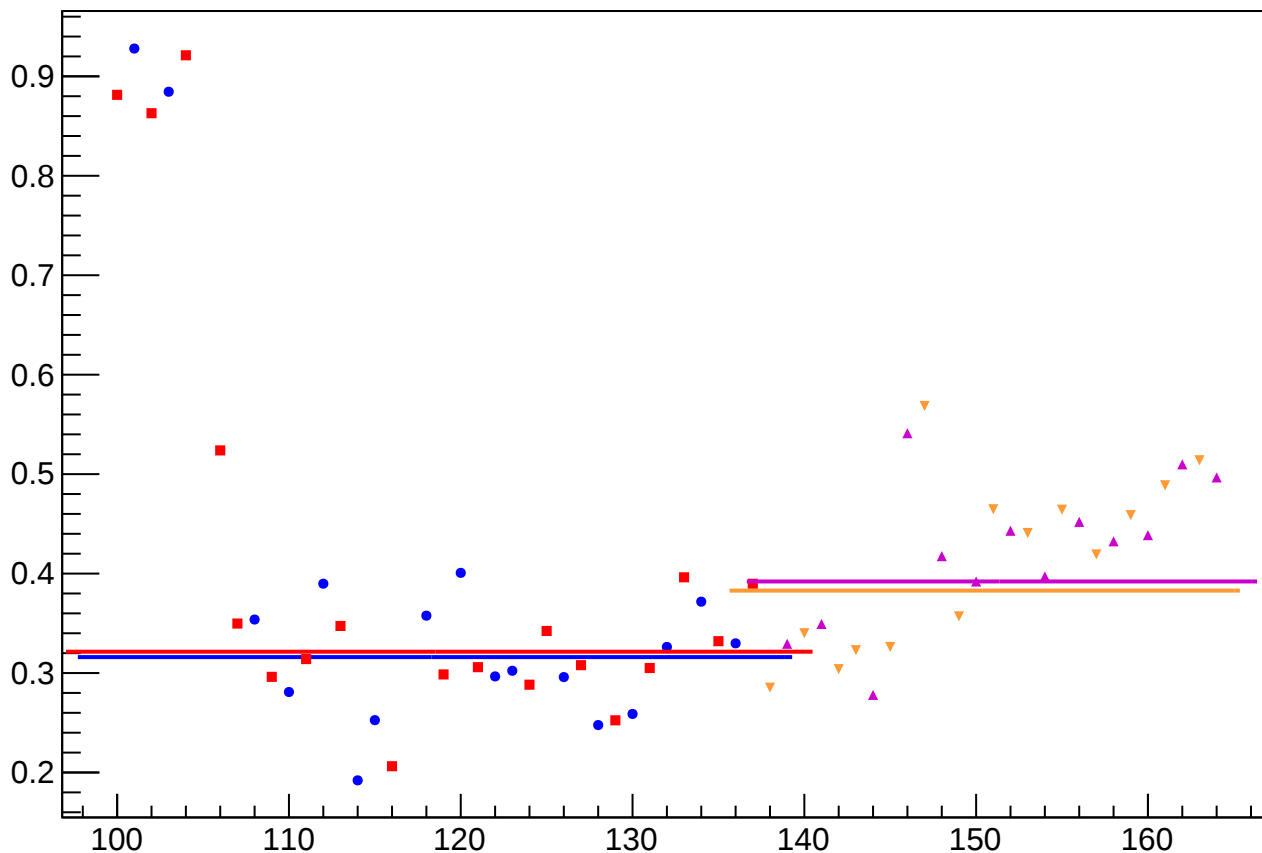
Right: 144.130+/-0.000 χ^2/NDF : 7732099987.4/35

In: 145.888+/-0.000 χ^2/NDF : 4330917817.3/29

Out: 146.497+/-0.000 χ^2/NDF : 4656658892.5/32

All: 146.199+/-0.000 χ^2/NDF : 9009903655.6

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.383+/-0.000 χ^2/NDF : 849809.1/13

Right Out: 0.321+/-0.000 χ^2/NDF : 1219073.9/18

Left In: 0.392+/-0.000 χ^2/NDF : 689853.4/12

Left: 0.387+/-0.000 χ^2/NDF : 1545097.0/26

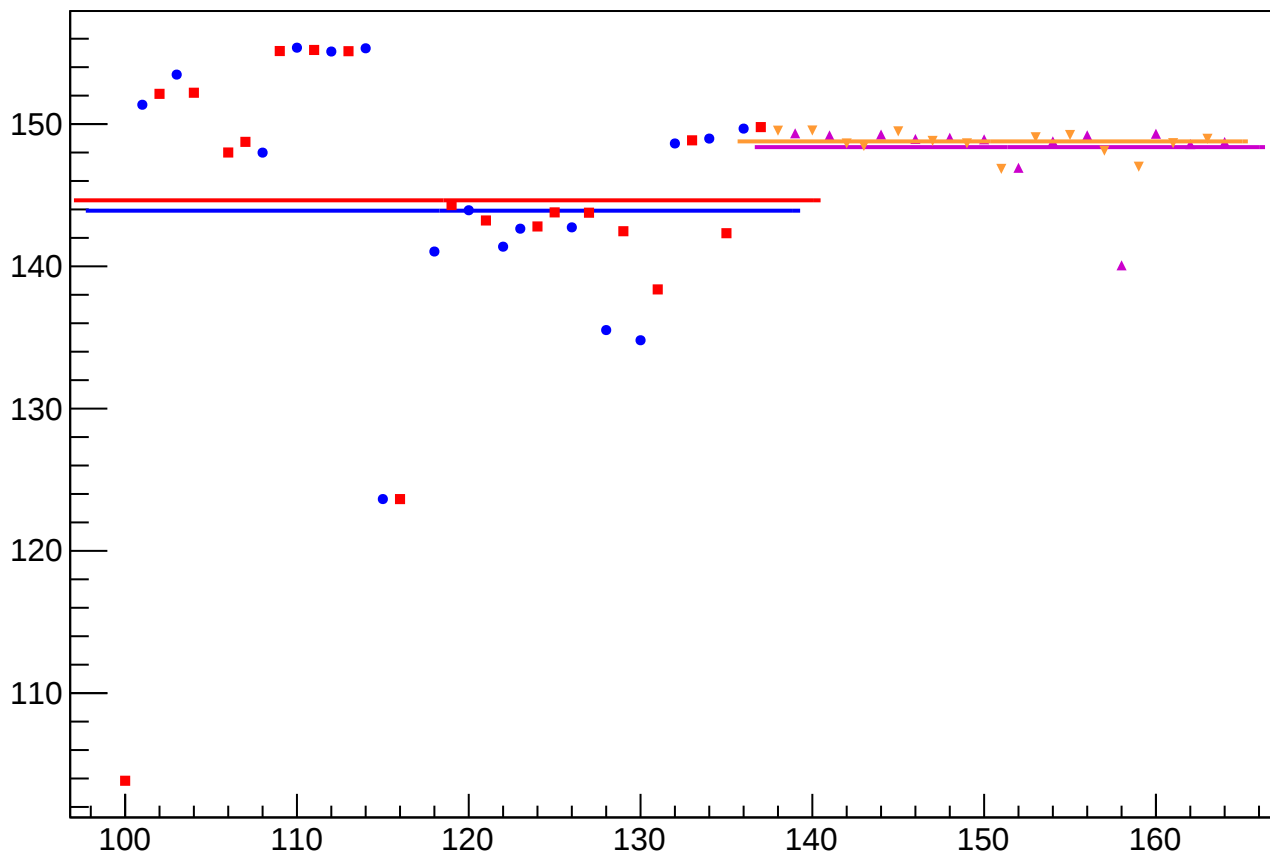
Right: 0.319+/-0.000 χ^2/NDF : 2486648.0/35

In: 0.356+/-0.000 χ^2/NDF : 2296247.8/29

Out: 0.355+/-0.000 χ^2/NDF : 2299563.0/32

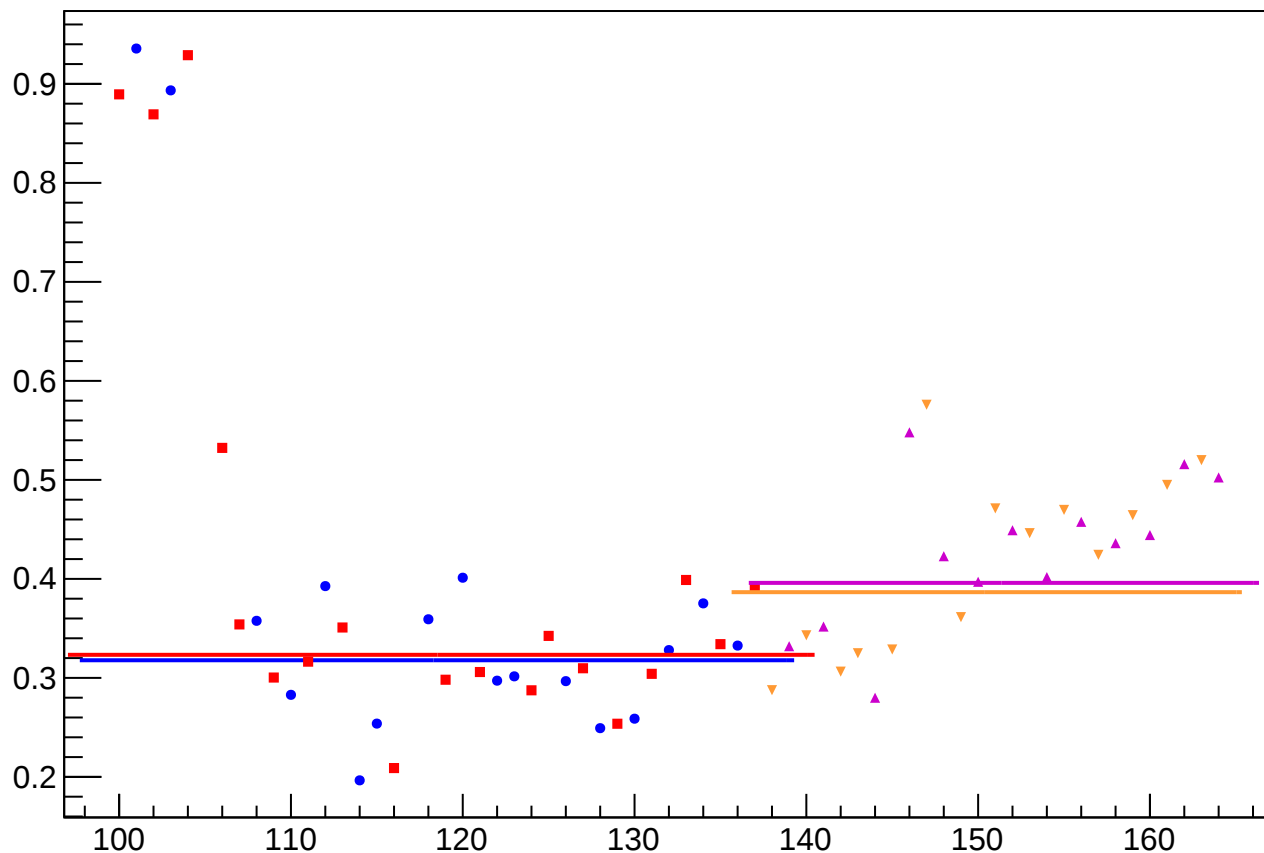
All: 0.355+/-0.000 χ^2/NDF : 4596160.6/62

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000	χ^2 /NDF: 3587769790.2/16	Left: 148.587 $\pm$ 0.000	χ^2 /NDF: 355703848.6/26
Left Out: 148.783 $\pm$ 0.000	χ^2 /NDF: 39807070.3/13	Right: 144.280 $\pm$ 0.000	χ^2 /NDF: 7812104995.9/35
Right Out: 144.640 $\pm$ 0.000	χ^2 /NDF: 4209610240.4/18	In: 146.266 $\pm$ 0.000	χ^2 /NDF: 4476827845.2/29
Left In: 148.380 $\pm$ 0.000	χ^2 /NDF: 310774277.4/12	Out: 146.865 $\pm$ 0.000	χ^2 /NDF: 4765558085.6/32
		All: 146.572 $\pm$ 0.000	χ^2 /NDF: 9263647118.2

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.387+/-0.000 χ^2/NDF : 866074.3/13

Right Out: 0.323+/-0.000 χ^2/NDF : 1222241.9/18

Left In: 0.396+/-0.000 χ^2/NDF : 704553.0/12

Left: 0.391+/-0.000 χ^2/NDF : 1576182.8/26

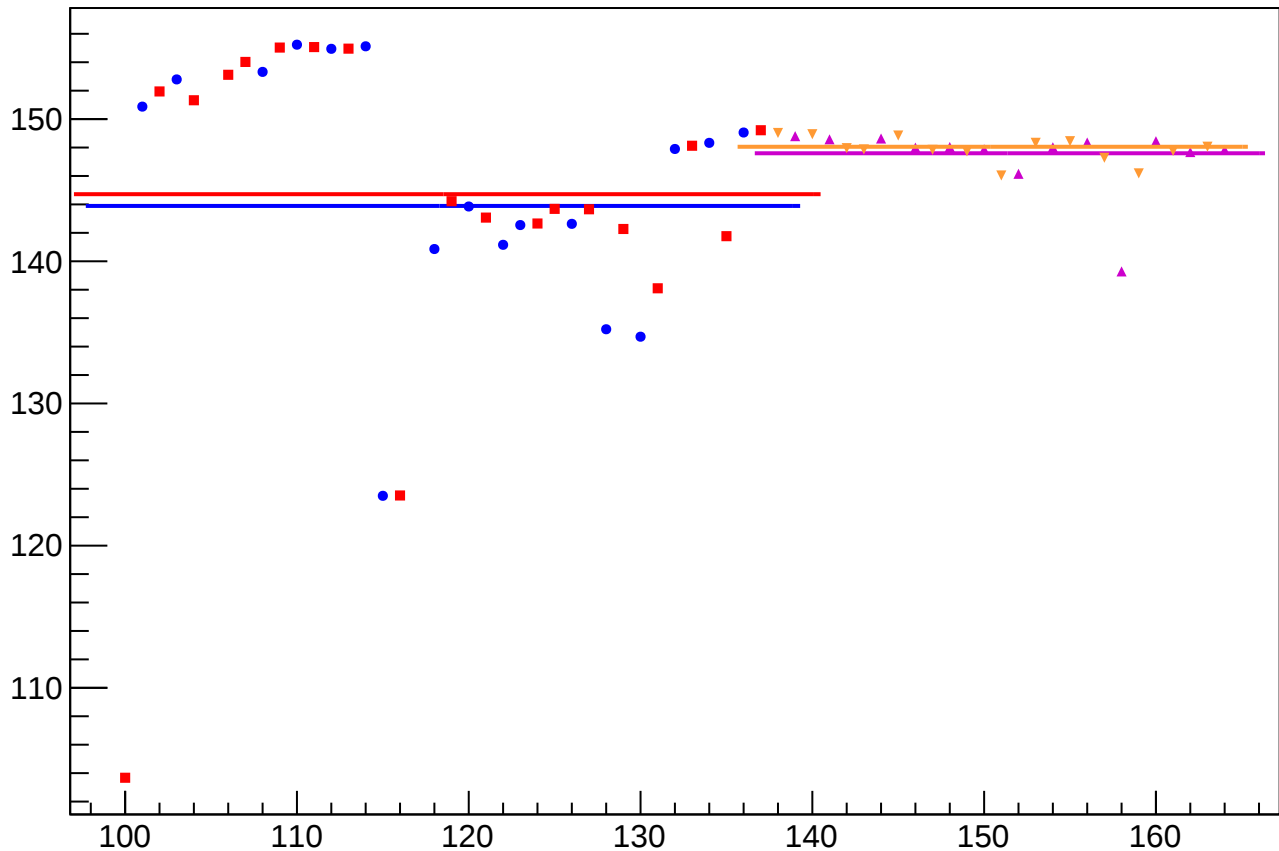
Right: 0.321+/-0.000 χ^2/NDF : 2492180.0/35

In: 0.359+/-0.000 χ^2/NDF : 2326817.6/29

Out: 0.357+/-0.000 χ^2/NDF : 2329183.7/32

All: 0.358+/-0.000 χ^2/NDF : 4656345.3/62

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.054+/-0.000 χ^2/NDF : 48936379.0/13

Right Out: 144.719+/-0.000 χ^2/NDF : 4473225884.5/18

Left In: 147.597+/-0.000 χ^2/NDF : 319997257.4/12

Left: 147.832+/-0.000 χ^2/NDF : 375618725.8/26

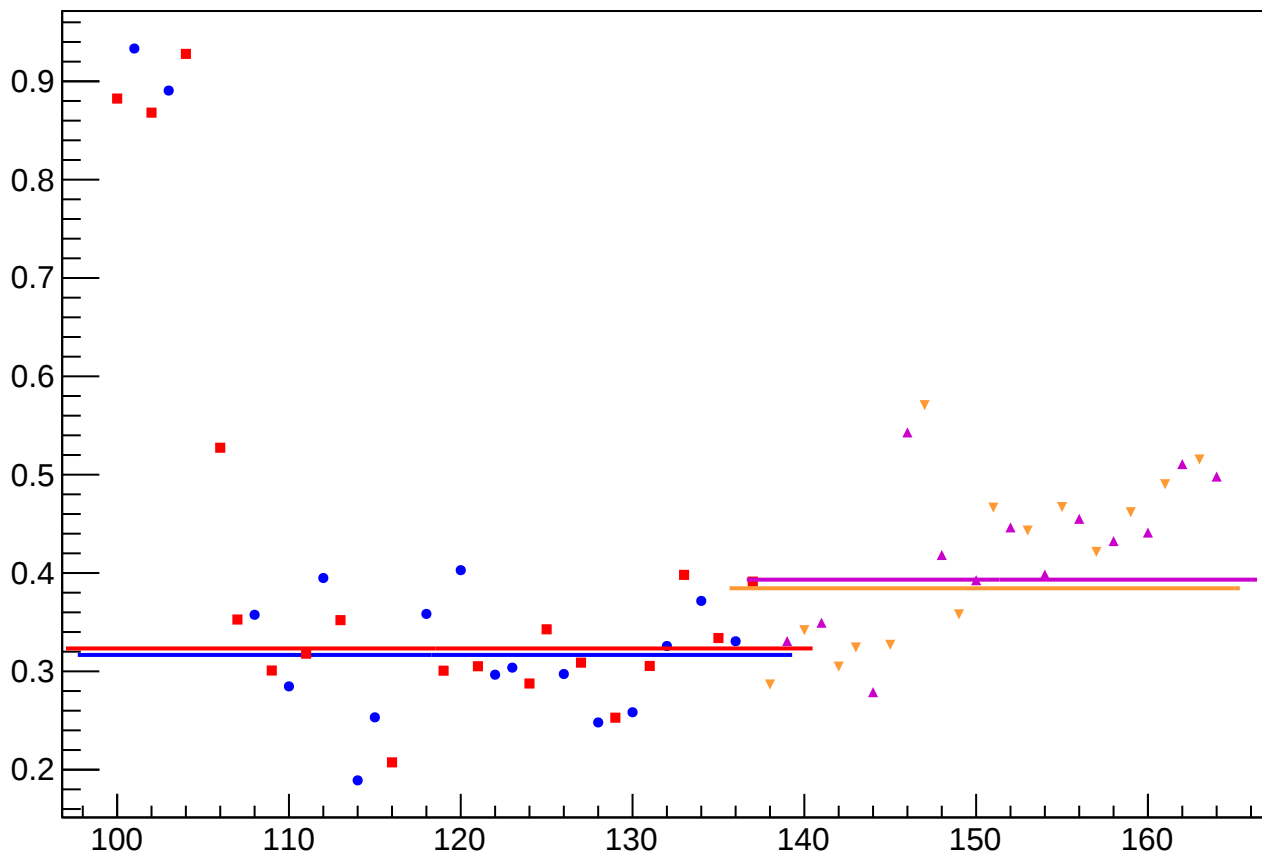
Right: 144.309+/-0.000 χ^2/NDF : 8244852440.8/35

In: 145.853+/-0.000 χ^2/NDF : 4473874032.8/29

Out: 146.519+/-0.000 χ^2/NDF : 4858668668.1/32

All: 146.192+/-0.000 χ^2/NDF : 9359067994.6

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.384+/-0.000 χ^2/NDF : 851571.9/13

Right Out: 0.323+/-0.000 χ^2/NDF : 1222784.7/18

Left In: 0.393+/-0.000 χ^2/NDF : 692927.7/12

Left: 0.389+/-0.000 χ^2/NDF : 1549421.9/26

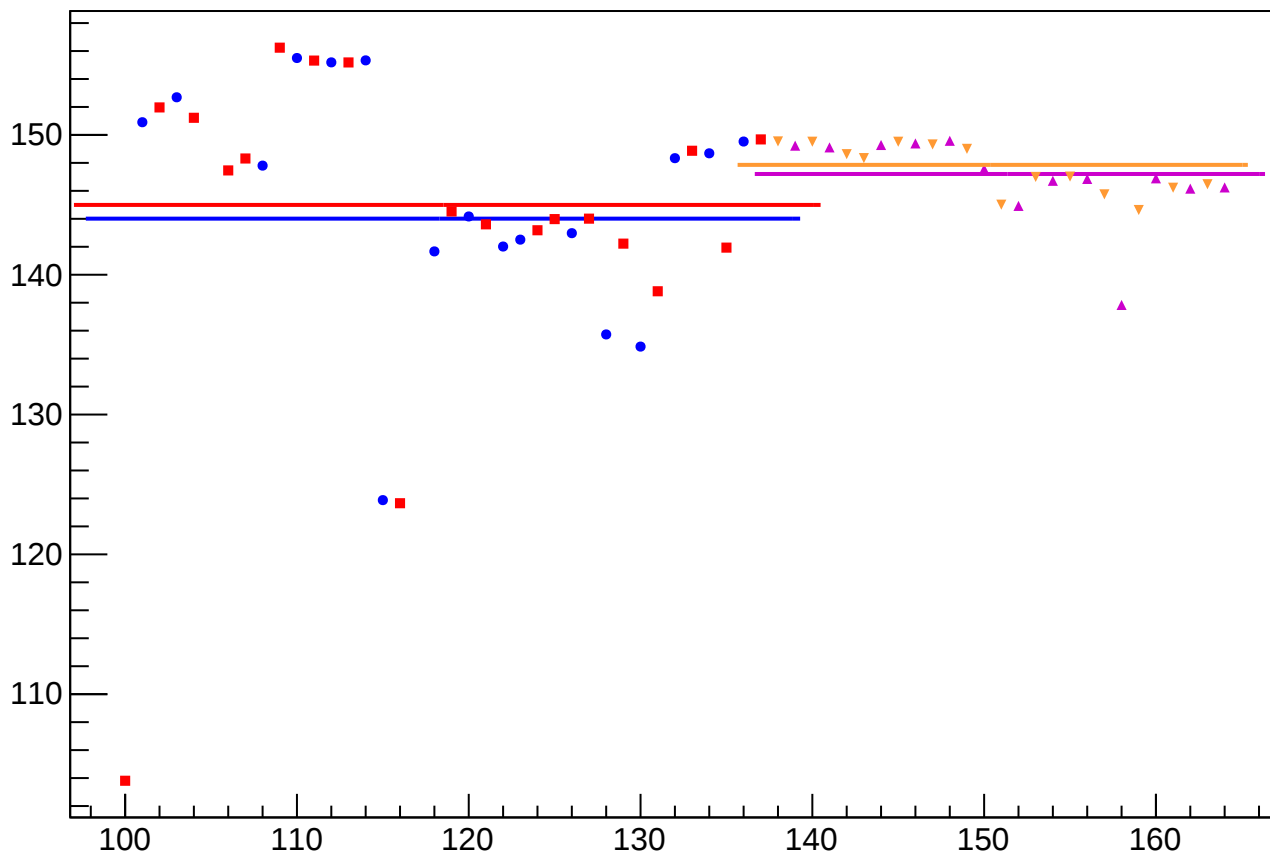
Right: 0.320+/-0.000 χ^2/NDF : 2505560.8/35

In: 0.357+/-0.000 χ^2/NDF : 2316208.4/29

Out: 0.356+/-0.000 χ^2/NDF : 2300893.4/32

All: 0.357+/-0.000 χ^2/NDF : 4617197.5/62

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 147.858 $\pm$ 0.000 χ^2 /NDF: 171599984.9/13

Right Out: 144.994 $\pm$ 0.000 χ^2 /NDF: 3852381452.1/18

Left In: 147.206 $\pm$ 0.000 χ^2 /NDF: 486330991.2/12

Left: 147.541 $\pm$ 0.000 χ^2 /NDF: 670480947.6/26

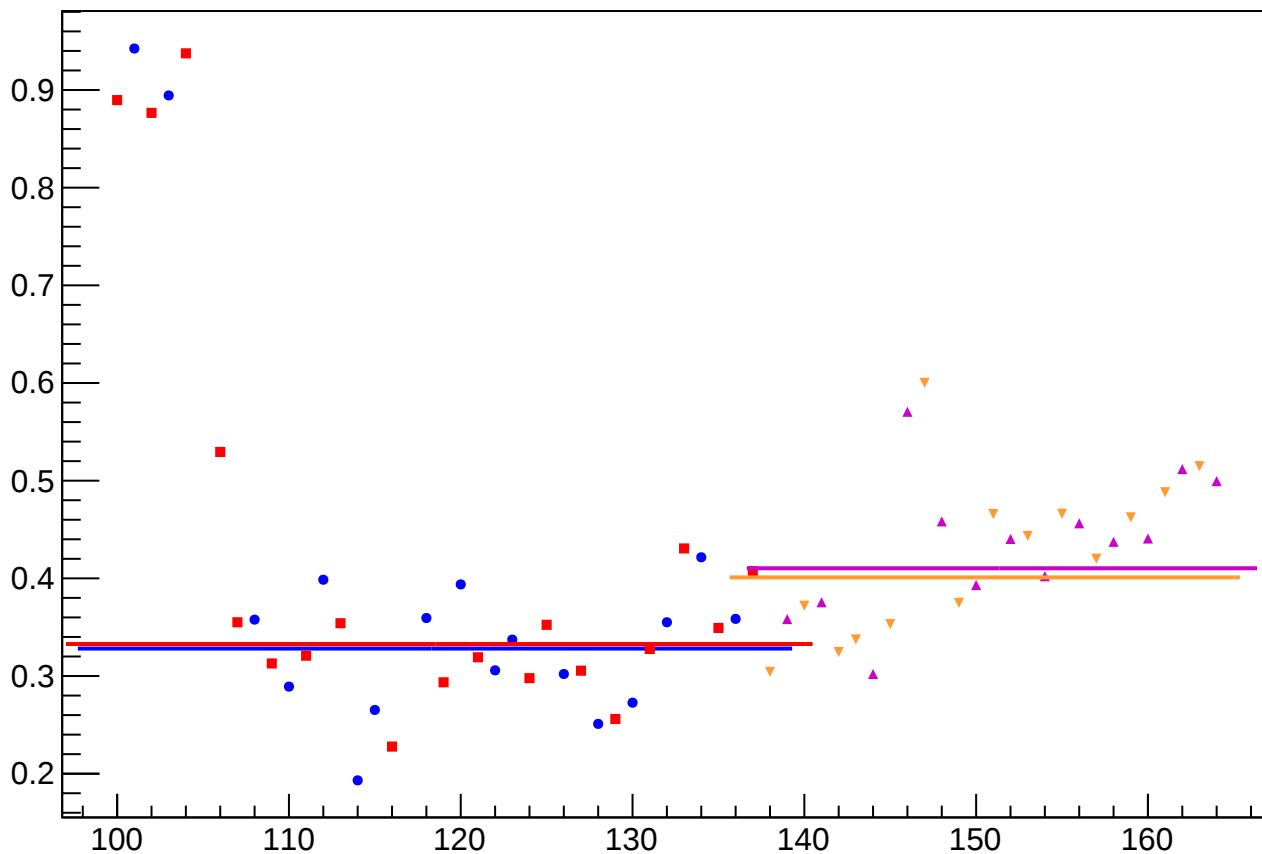
Right: 144.510 $\pm$ 0.000 χ^2 /NDF: 7119138597.7/35

In: 145.699 $\pm$ 0.000 χ^2 /NDF: 4004551021.5/29

Out: 146.526 $\pm$ 0.000 χ^2 /NDF: 4255776884.8/32

All: 146.121 $\pm$ 0.000 χ^2 /NDF: 8298269203.6

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.401+/-0.000 χ^2/NDF : 666544.8/13

Right Out: 0.333+/-0.000 χ^2/NDF : 1185129.6/18

Left In: 0.410+/-0.000 χ^2/NDF : 530145.8/12

Left: 0.406+/-0.000 χ^2/NDF : 1201822.0/26

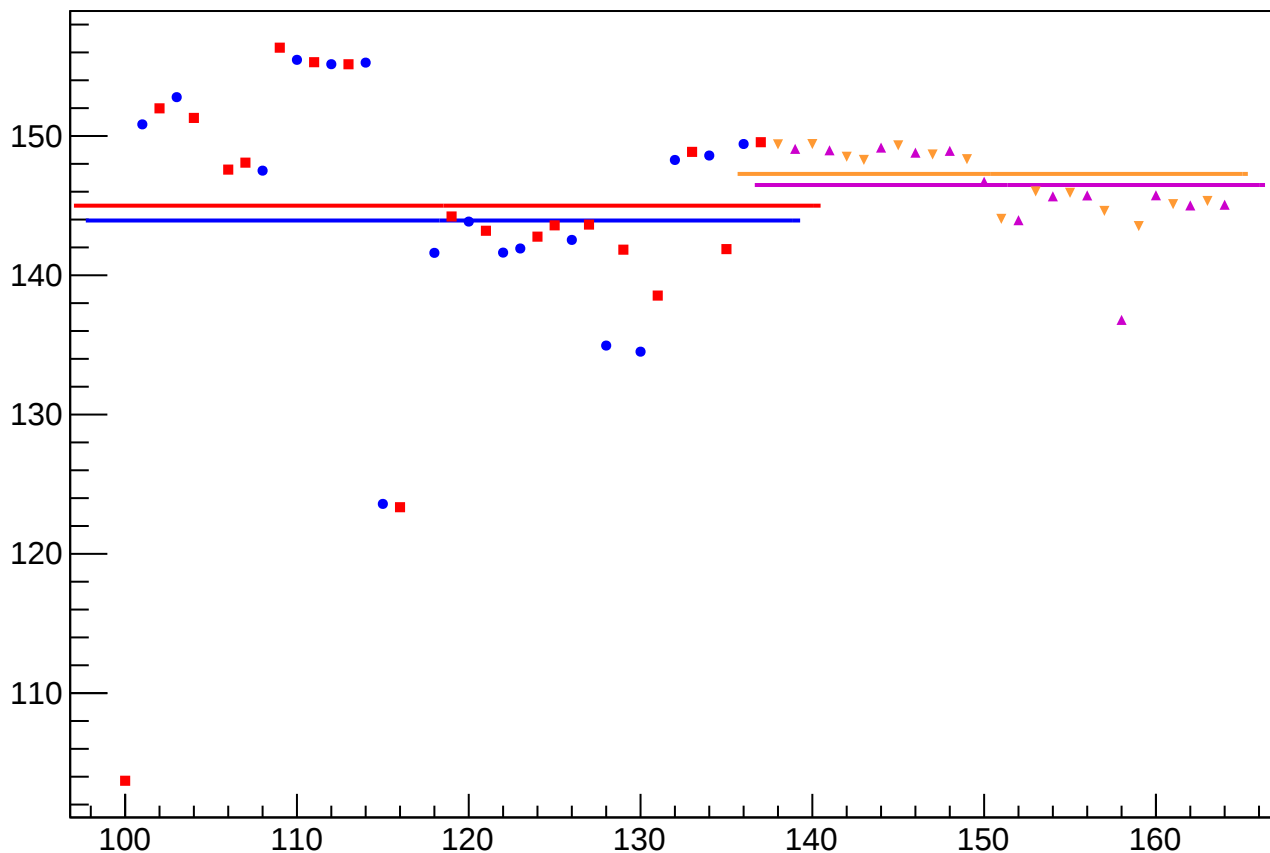
Right: 0.330+/-0.000 χ^2/NDF : 2452140.8/35

In: 0.372+/-0.000 χ^2/NDF : 2162337.9/29

Out: 0.369+/-0.000 χ^2/NDF : 2114740.2/32

All: 0.370+/-0.000 χ^2/NDF : 4277656.9/62

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 147.278 $\pm$ 0.000 χ^2 /NDF: 260774893.5/13

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3932958476.0/18

Left In: 146.481 $\pm$ 0.000 χ^2 /NDF: 596548803.2/12

Left: 146.891 $\pm$ 0.000 χ^2 /NDF: 875941724.5/26

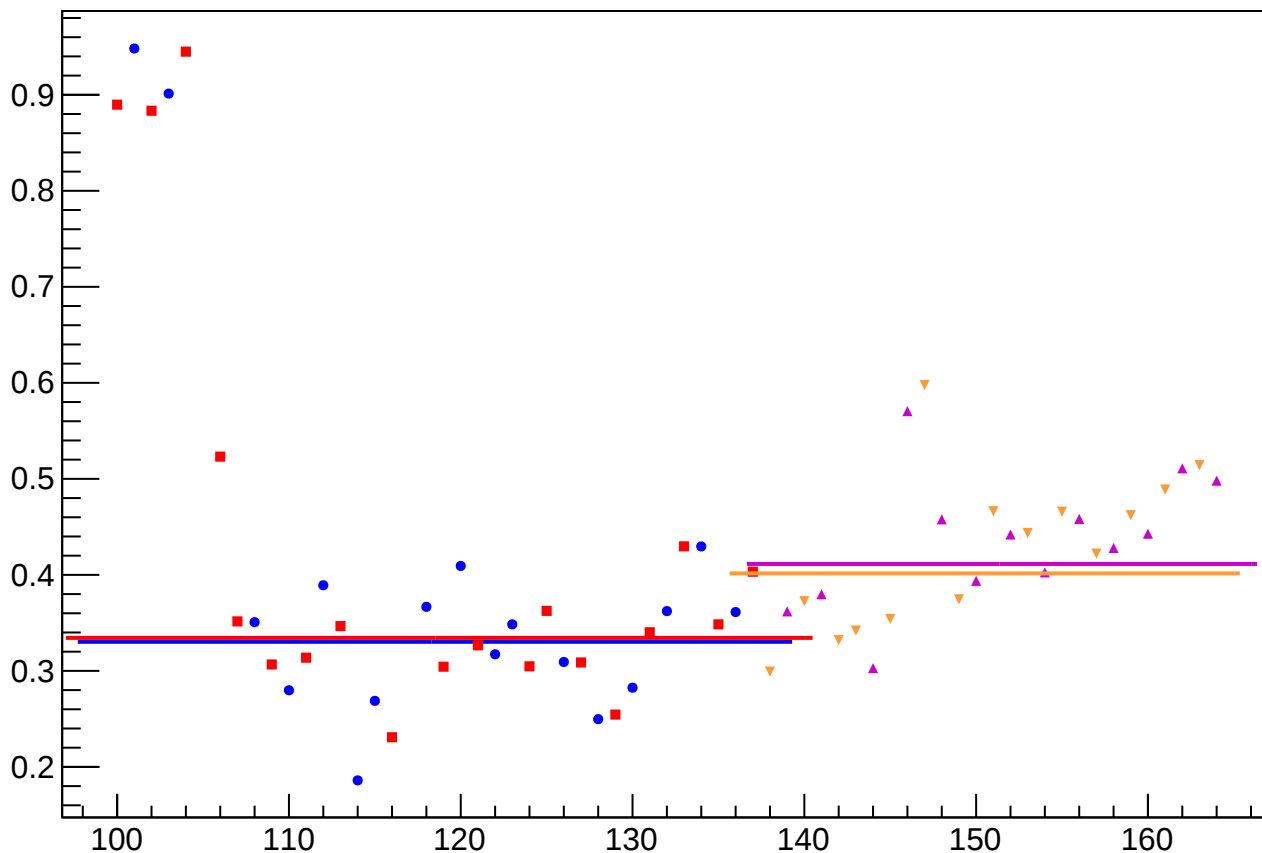
Right: 144.474 $\pm$ 0.000 χ^2 /NDF: 7345100324.4/35

In: 145.286 $\pm$ 0.000 χ^2 /NDF: 4153614005.0/29

Out: 146.221 $\pm$ 0.000 χ^2 /NDF: 4339361306.4/32

All: 145.764 $\pm$ 0.000 χ^2 /NDF: 8541152205.2

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.402+/-0.000 χ^2/NDF : 665109.9/13

Right Out: 0.334+/-0.000 χ^2/NDF : 1174012.0/18

Left In: 0.411+/-0.000 χ^2/NDF : 513062.9/12

Left: 0.406+/-0.000 χ^2/NDF : 1183888.3/26

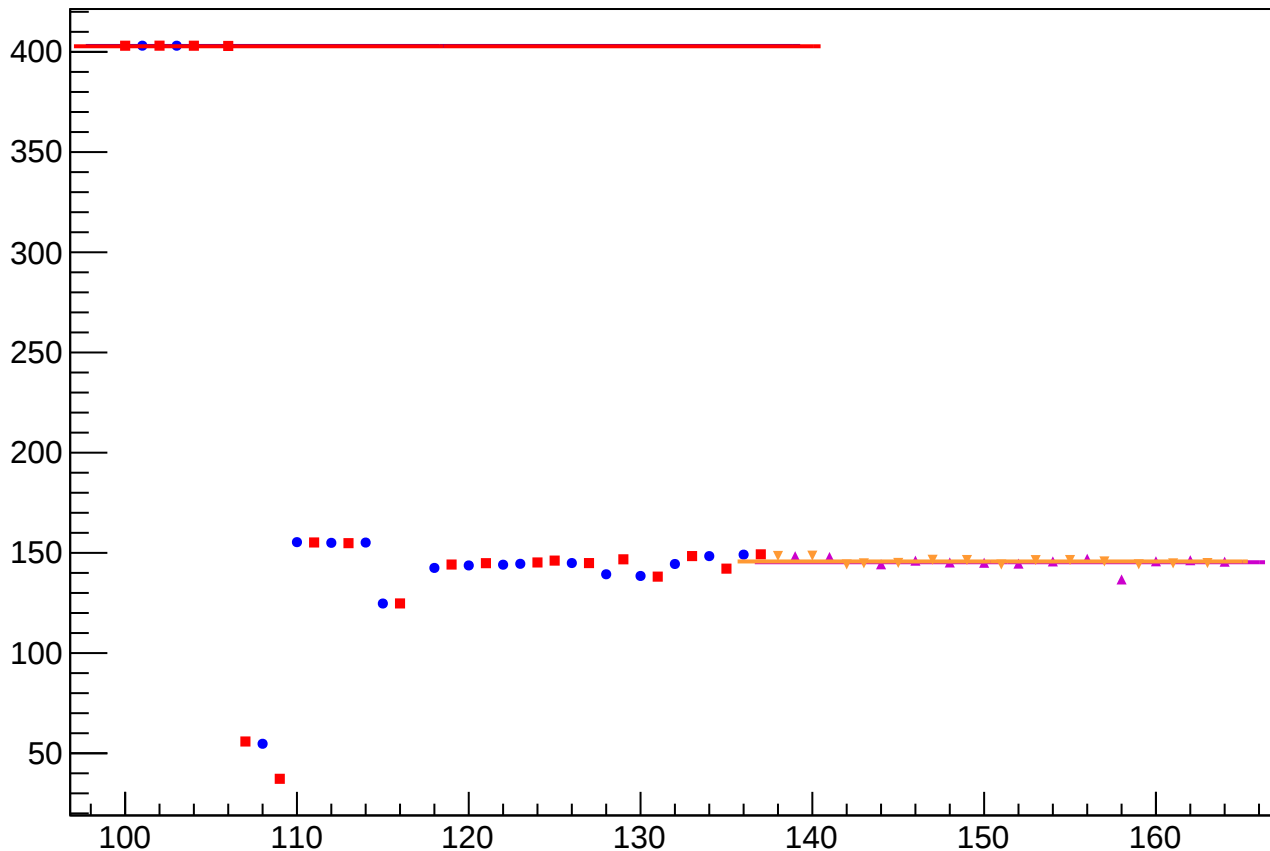
Right: 0.332+/-0.000 χ^2/NDF : 2458819.5/35

In: 0.373+/-0.000 χ^2/NDF : 2149120.0/29

Out: 0.370+/-0.000 χ^2/NDF : 2091680.7/32

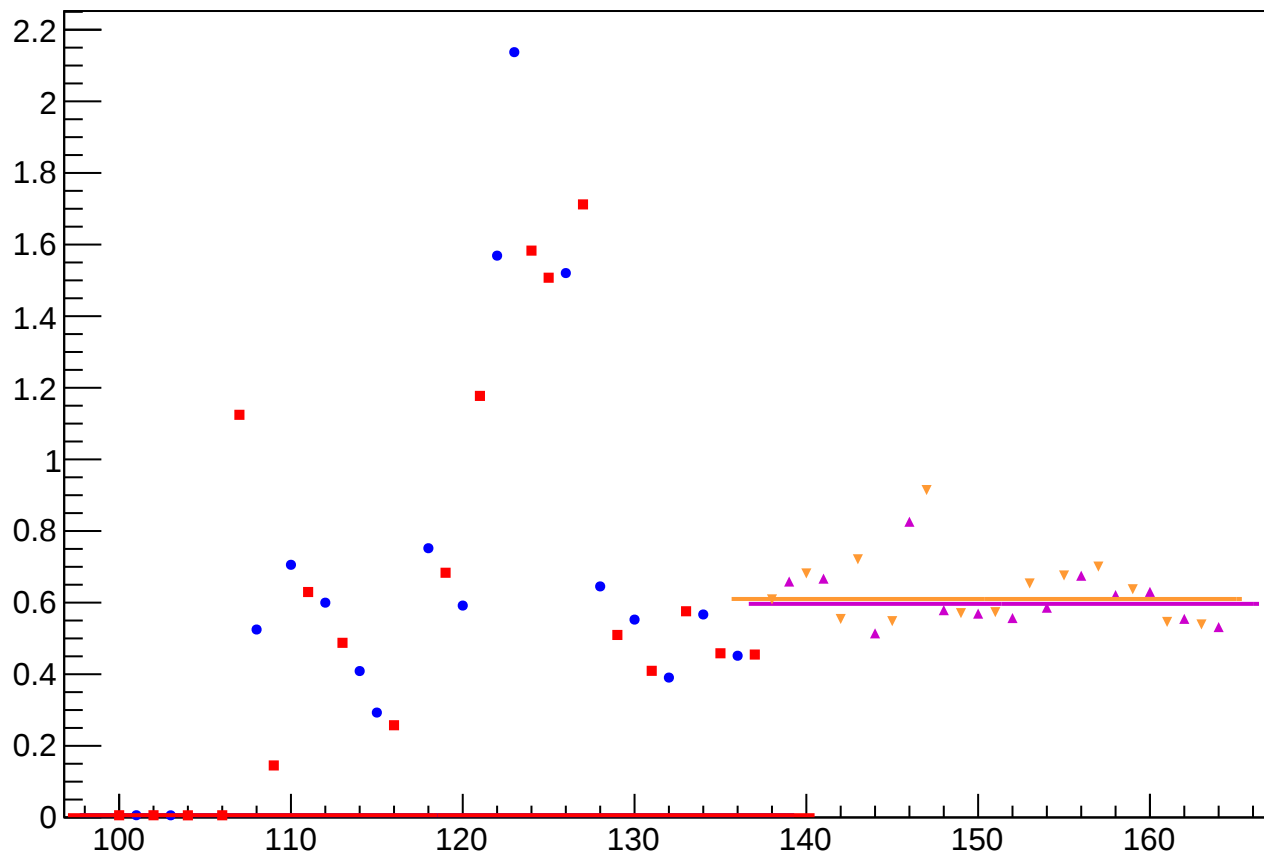
All: 0.372+/-0.000 χ^2/NDF : 4241751.2/62

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000	χ^2/NDF : 1094364588383.4/16	Left: 145.518+/-0.000	χ^2/NDF : 171553241.5/26
Left Out: 145.717+/-0.000	χ^2/NDF : 40320795.1/13	Right: 402.873+/-0.000	χ^2/NDF : 4196818264482.1/16
Right Out: 402.799+/-0.000	χ^2/NDF : 3102036567767.5/18	In: 402.791+/-0.000	χ^2/NDF : 2431244441888.2/29
Left In: 145.326+/-0.000	χ^2/NDF : 129722791.8/12	Out: 402.657+/-0.000	χ^2/NDF : 4389700861648.9/3
		All: 402.720+/-0.000	χ^2/NDF : 682124370479.1/16

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.610+/-0.000 χ^2/NDF : 247479.5/13

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

Left In: 0.597+/-0.000 χ^2/NDF : 186958.5/12

Left: 0.603+/-0.000 χ^2/NDF : 438147.0/26

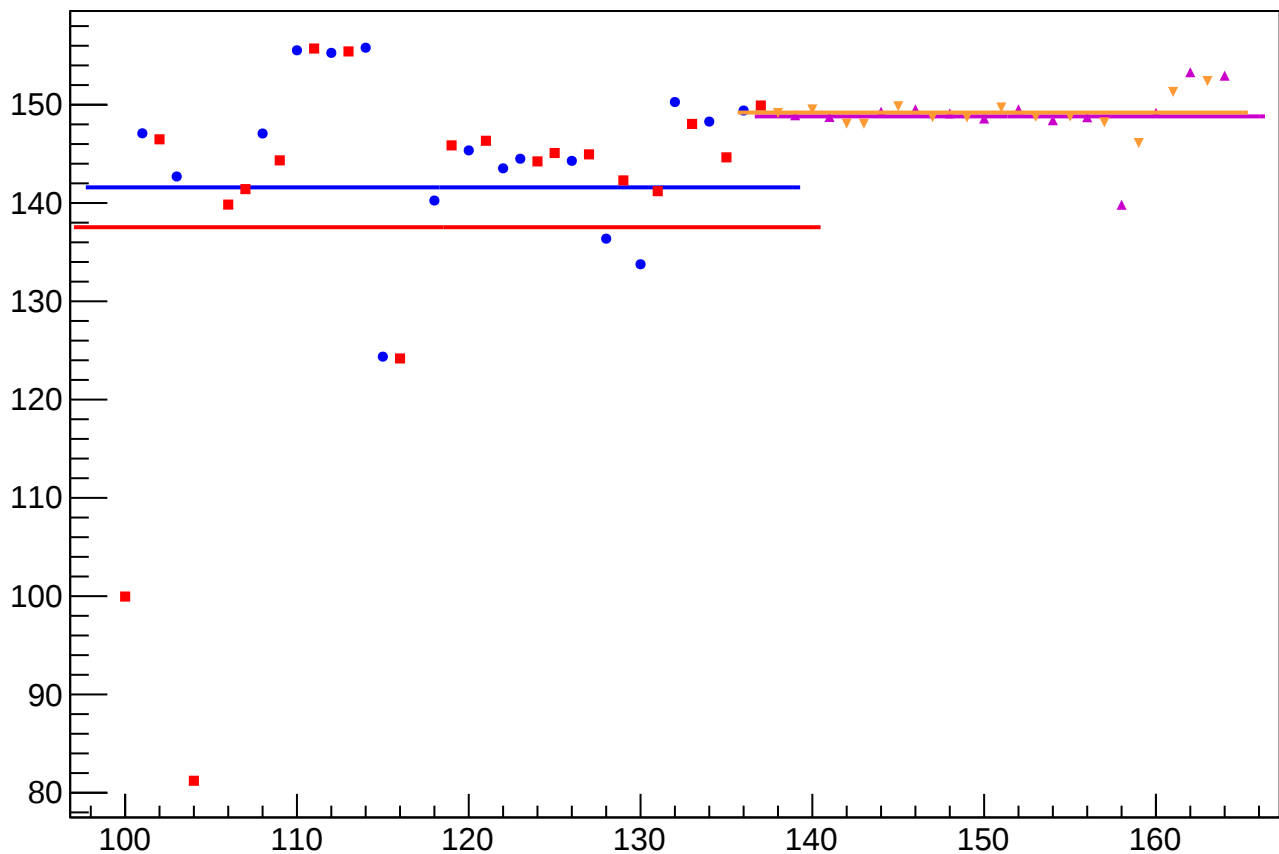
Right: 0.006+/-0.000 χ^2/NDF : 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF : 23296640.7/29

Out: 0.007+/-0.000 χ^2/NDF : 23650364.8/32

All: 0.007+/-0.000 χ^2/NDF : 46947117.9/62

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.205 $\pm$ 0.000 χ^2 /NDF: 81345741.1/13

Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18

Left In: 148.813 $\pm$ 0.000 χ^2 /NDF: 353701819.3/12

Left: 149.012 $\pm$ 0.000 χ^2 /NDF: 437626707.1/26

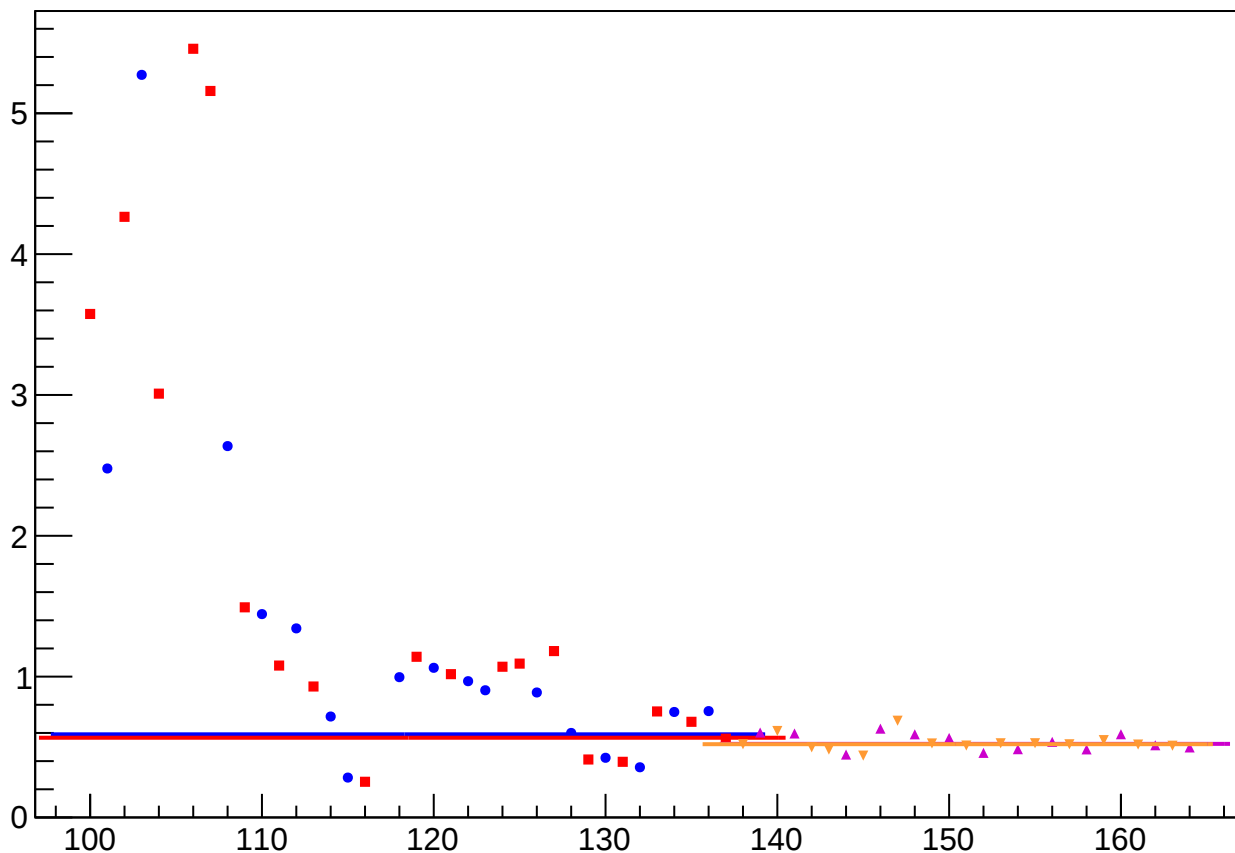
Right: 139.514 $\pm$ 0.000 χ^2 /NDF: 2381261600.7/35

In: 147.130 $\pm$ 0.000 χ^2 /NDF: 1737372217.8/29

Out: 146.434 $\pm$ 0.000 χ^2 /NDF: 2499669248.3/32

All: 146.776 $\pm$ 0.000 χ^2 /NDF: 4247705556.6

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.520 $\pm$ 0.000 χ^2 /NDF:169011.6/13

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

Left In: 0.523 $\pm$ 0.000 χ^2 /NDF:222634.4/12

Left: 0.521 $\pm$ 0.000 χ^2 /NDF: 391823.9/26

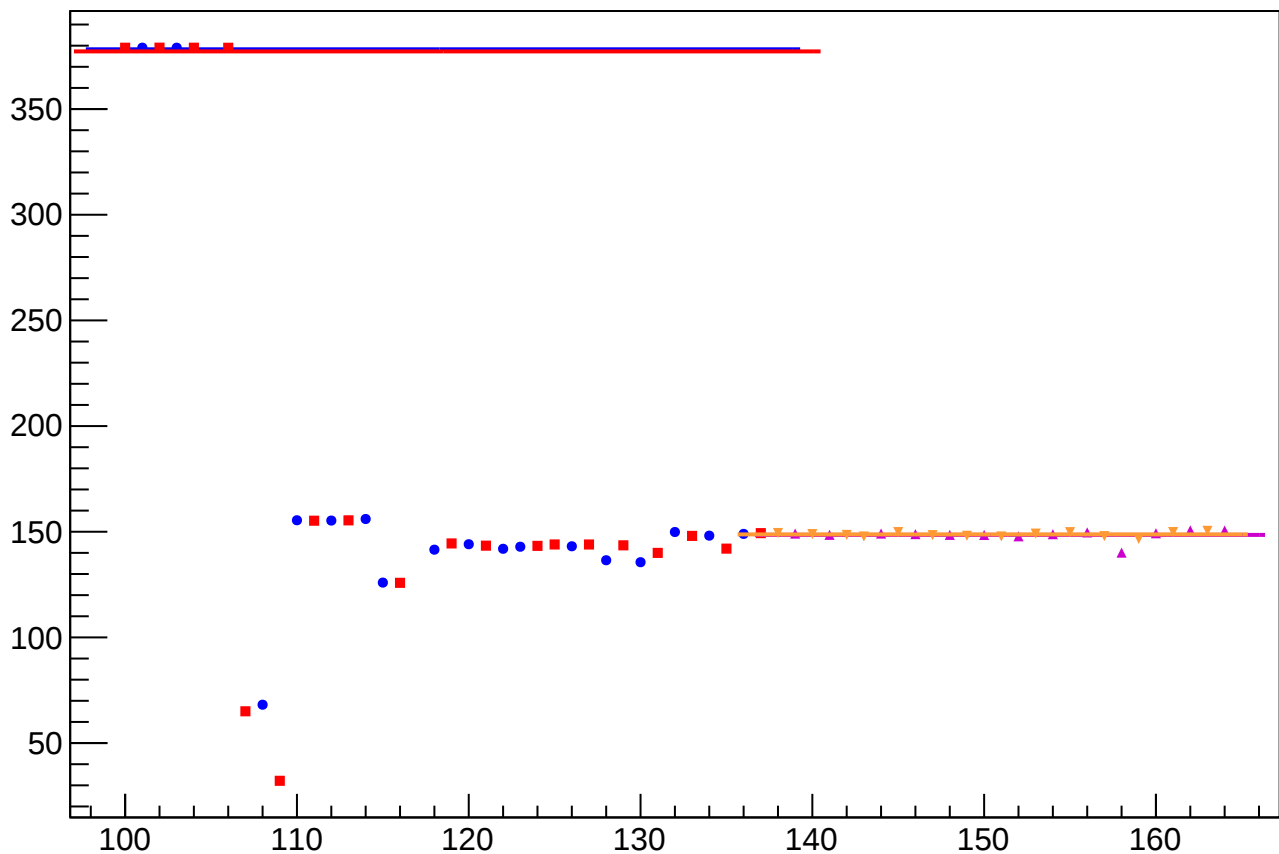
Right: 0.578 $\pm$ 0.000 χ^2 /NDF: 8181648.0/35

In: 0.538 $\pm$ 0.000 χ^2 /NDF:3785660.4/29

Out: 0.531 $\pm$ 0.000 χ^2 /NDF:4886653.1/32

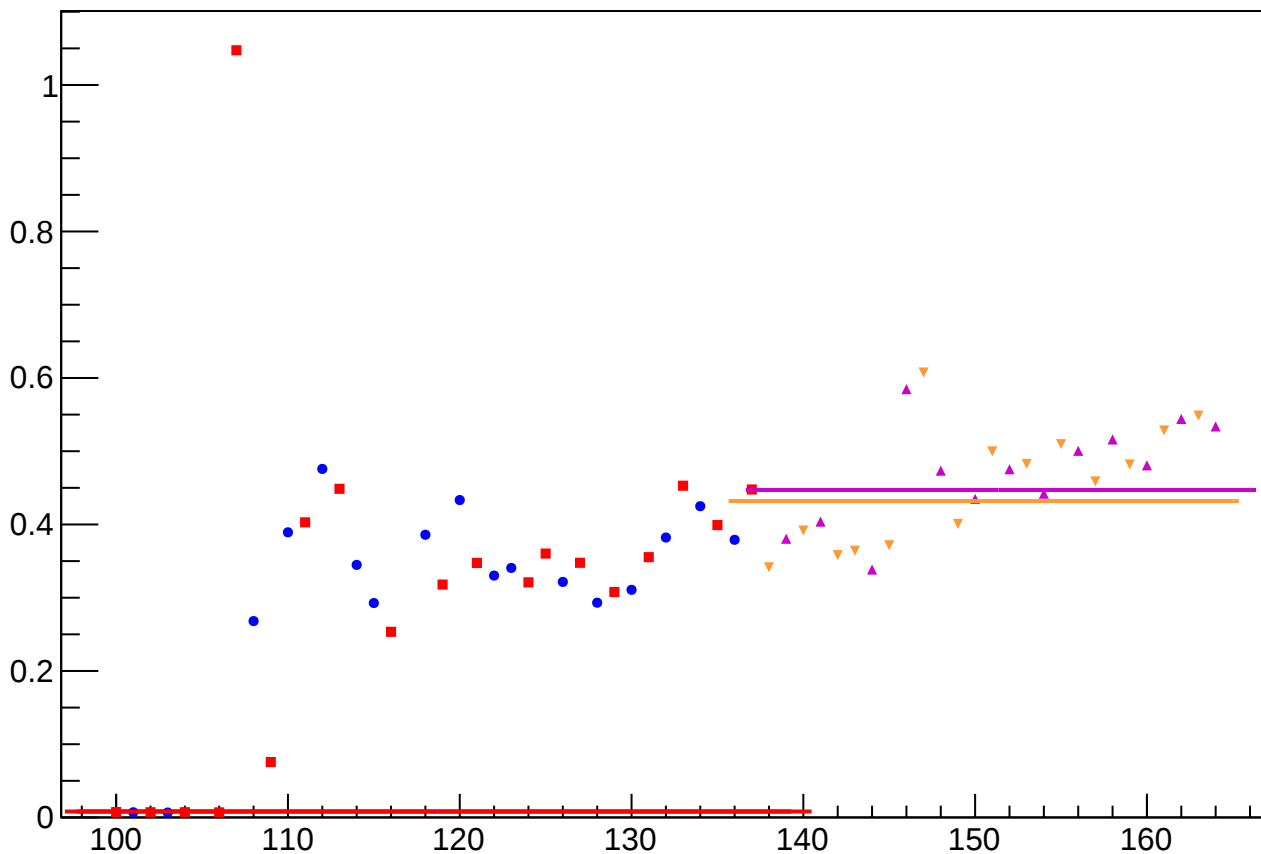
All: 0.535 $\pm$ 0.000 χ^2 /NDF: 8674594.8/62

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283 +/- 0.000 χ^2/NDF : 2508313421453.8/16
 Left Out: 148.737 +/- 0.000 χ^2/NDF : 51857084.5/13
 Right Out: 377.287 +/- 0.000 χ^2/NDF : 8286303106836.4/18
 Left In: 148.502 +/- 0.000 χ^2/NDF : 232920809.0/12
 All: 376.936 +/- 0.000 χ^2/NDF : 16134153015.0/26

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF: 593866.2/13

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

Left In: 0.447 $\pm$ 0.000 χ^2 /NDF: 465021.9/12

Left: 0.439 $\pm$ 0.000 χ^2 /NDF: 1070600.9/26

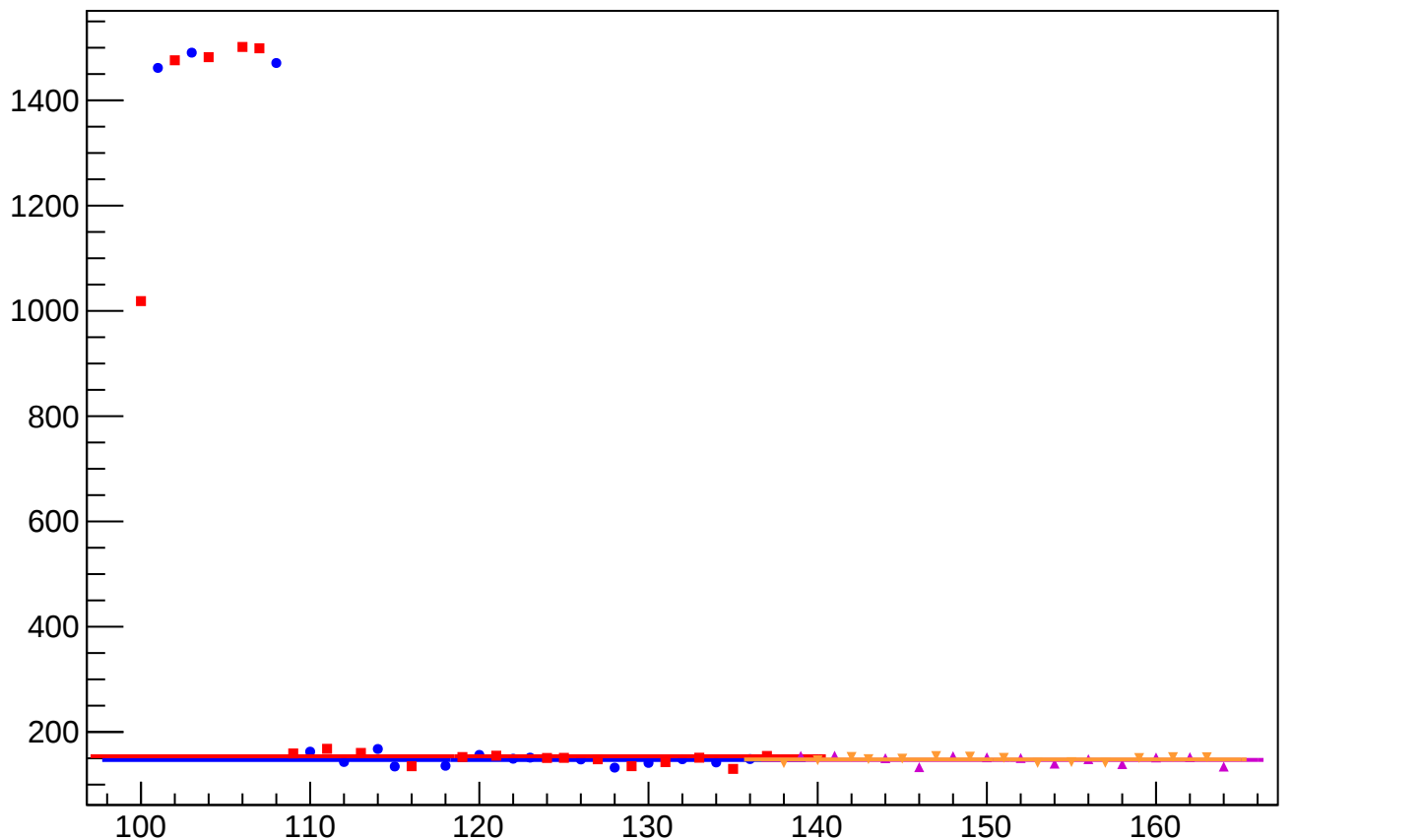
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 19329555.6/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF: 29049798.0/29

Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 29097388.8/32

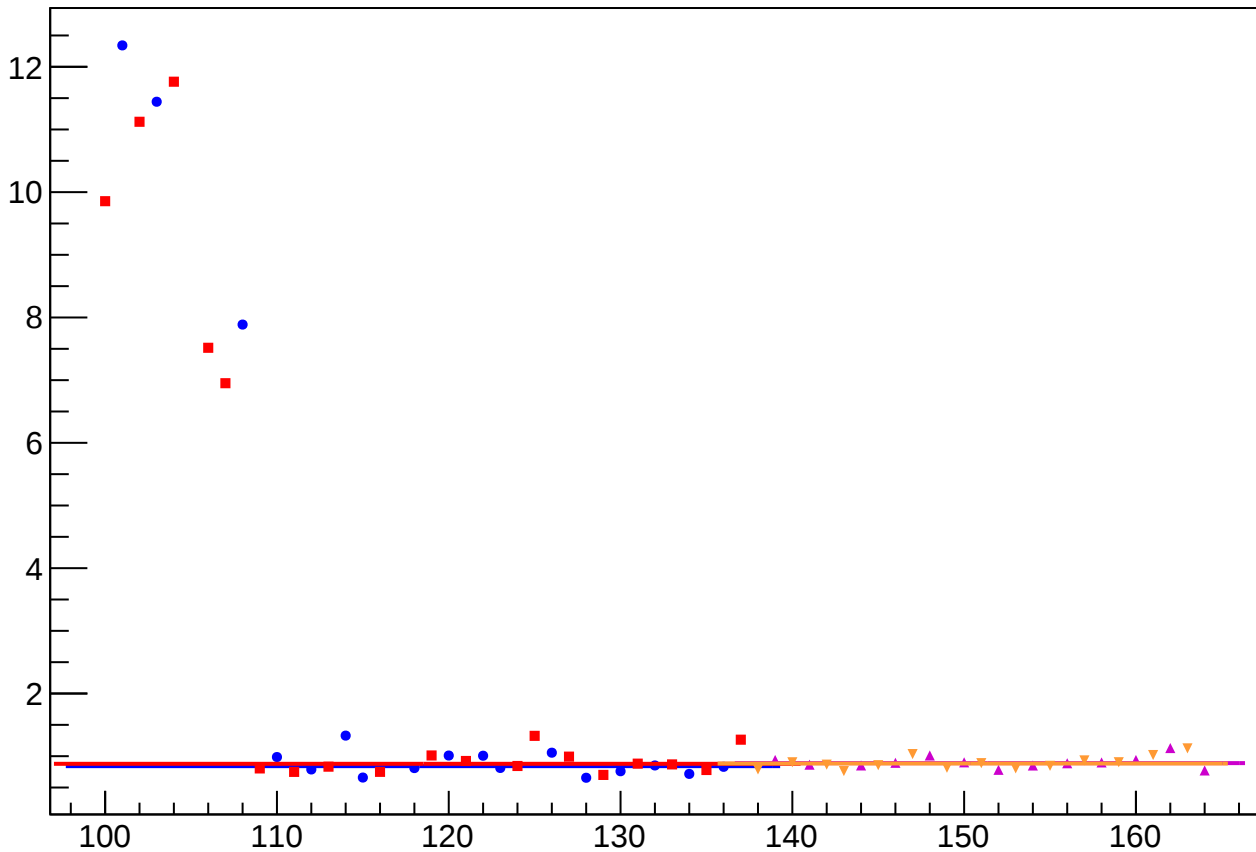
All: 0.010 $\pm$ 0.000 χ^2 /NDF: 58147347.2/62

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000	χ^2/NDF : 24360774977.7/16	Left: 147.383+/-0.000	χ^2/NDF : 838590827.7/26
Left Out: 147.828+/-0.000	χ^2/NDF : 240009275.0/13	Right: 150.348+/-0.000	χ^2/NDF : 58231390734.2/35
Right Out: 153.901+/-0.000	χ^2/NDF : 33737565970.8/18	In: 146.894+/-0.000	χ^2/NDF : 24955176439.6/29
Left In: 146.932+/-0.000	χ^2/NDF : 594356132.7/12	Out: 149.850+/-0.000	χ^2/NDF : 34107657270.7/32
		All: 148.376+/-0.000	χ^2/NDF : 59132028398.0

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 $\pm$ 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.883 $\pm$ 0.000 χ^2/NDF :183180.4/13

Right Out: 0.878 $\pm$ 0.000 χ^2/NDF : 2814626.6/18

Left In: 0.889 $\pm$ 0.000 χ^2/NDF :140580.1/12

Left: 0.886 $\pm$ 0.000 χ^2/NDF : 324158.3/26

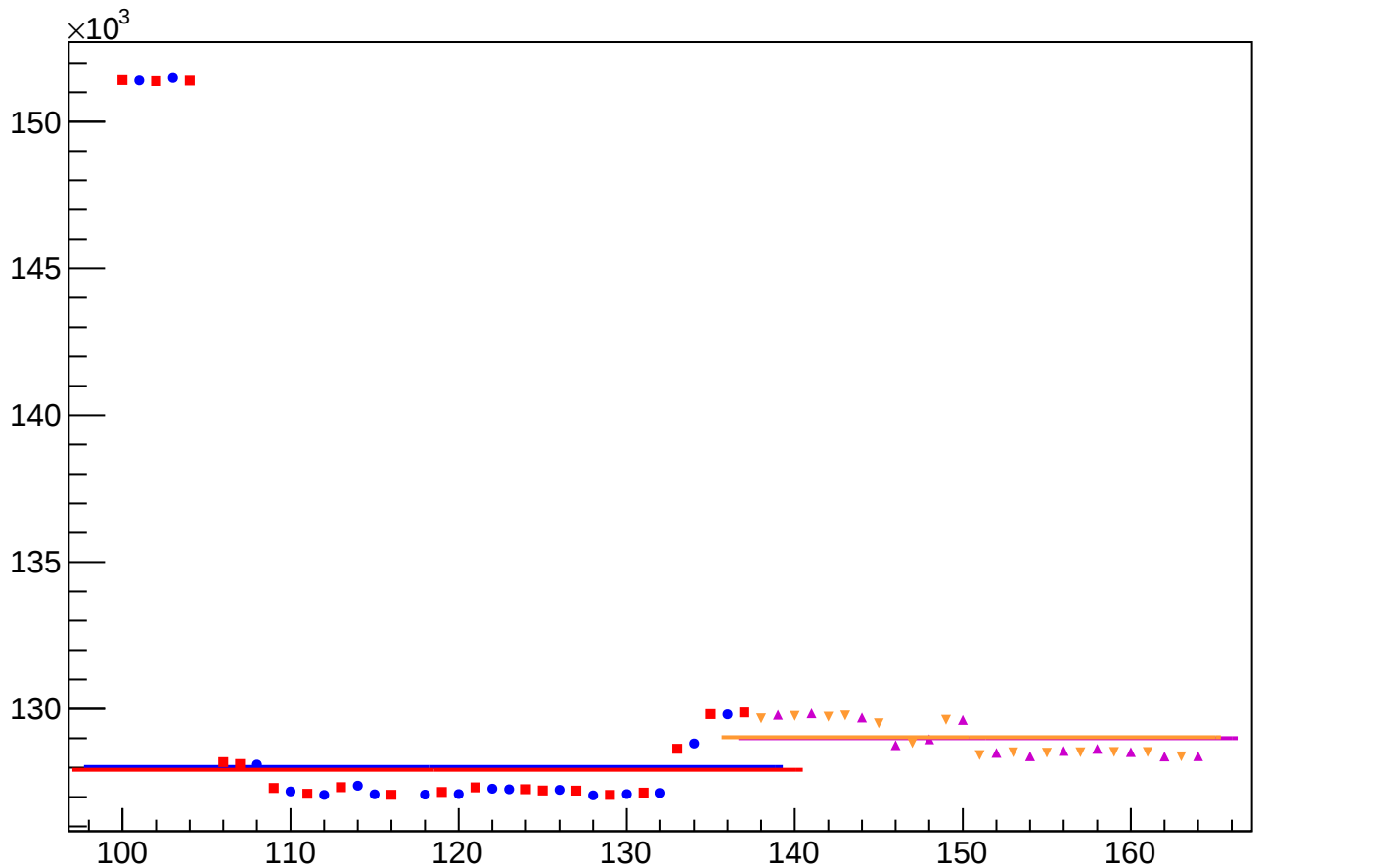
Right: 0.860 $\pm$ 0.000 χ^2/NDF : 5484331.4/35

In: 0.873 $\pm$ 0.000 χ^2/NDF :2819422.2/29

Out: 0.882 $\pm$ 0.000 χ^2/NDF :2997983.8/32

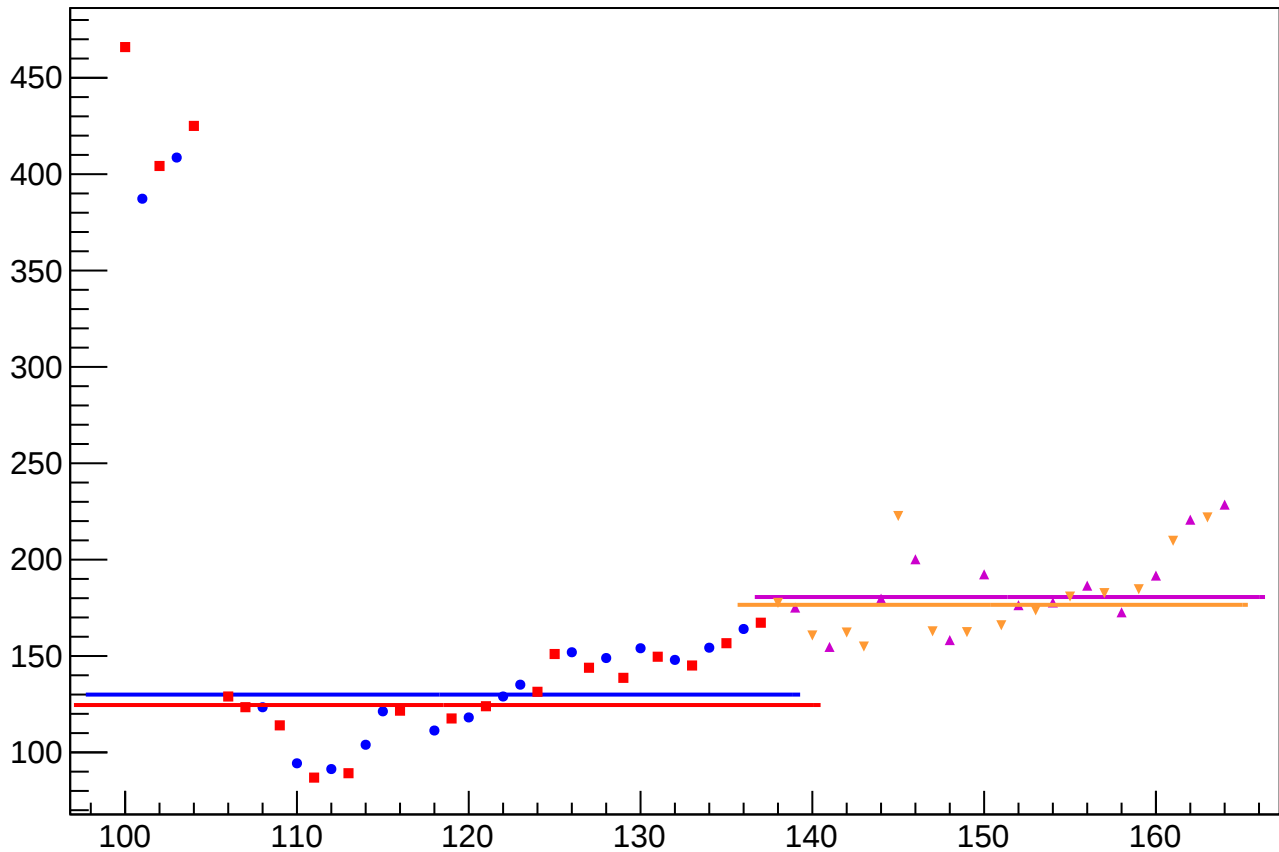
All: 0.877 $\pm$ 0.000 χ^2/NDF : 5818538.3/62

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 129033.648 $\pm$ 0.055 χ^2 /NDF: 110450536.5/13
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 129001.719 $\pm$ 0.057 χ^2 /NDF: 101701188.7/12
 Left: 129018.219 $\pm$ 0.040 χ^2 /NDF: 212314802.2/26
 Right: 127971.691 $\pm$ 0.037 χ^2 /NDF: 8085261759.1/26
 In: 128492.435 $\pm$ 0.039 χ^2 /NDF: 4572449945.3/29
 Out: 128432.450 $\pm$ 0.037 χ^2 /NDF: 4097638645.1/30
 All: 128460.706 $\pm$ 0.027 χ^2 /NDF: 867131762.0/62

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 176.556 $\pm$ 0.039 χ^2 /NDF: 256030.3/13

Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

Left In: 180.609 $\pm$ 0.040 χ^2 /NDF: 214436.9/12

Left: 178.515 $\pm$ 0.028 χ^2 /NDF: 475723.0/26

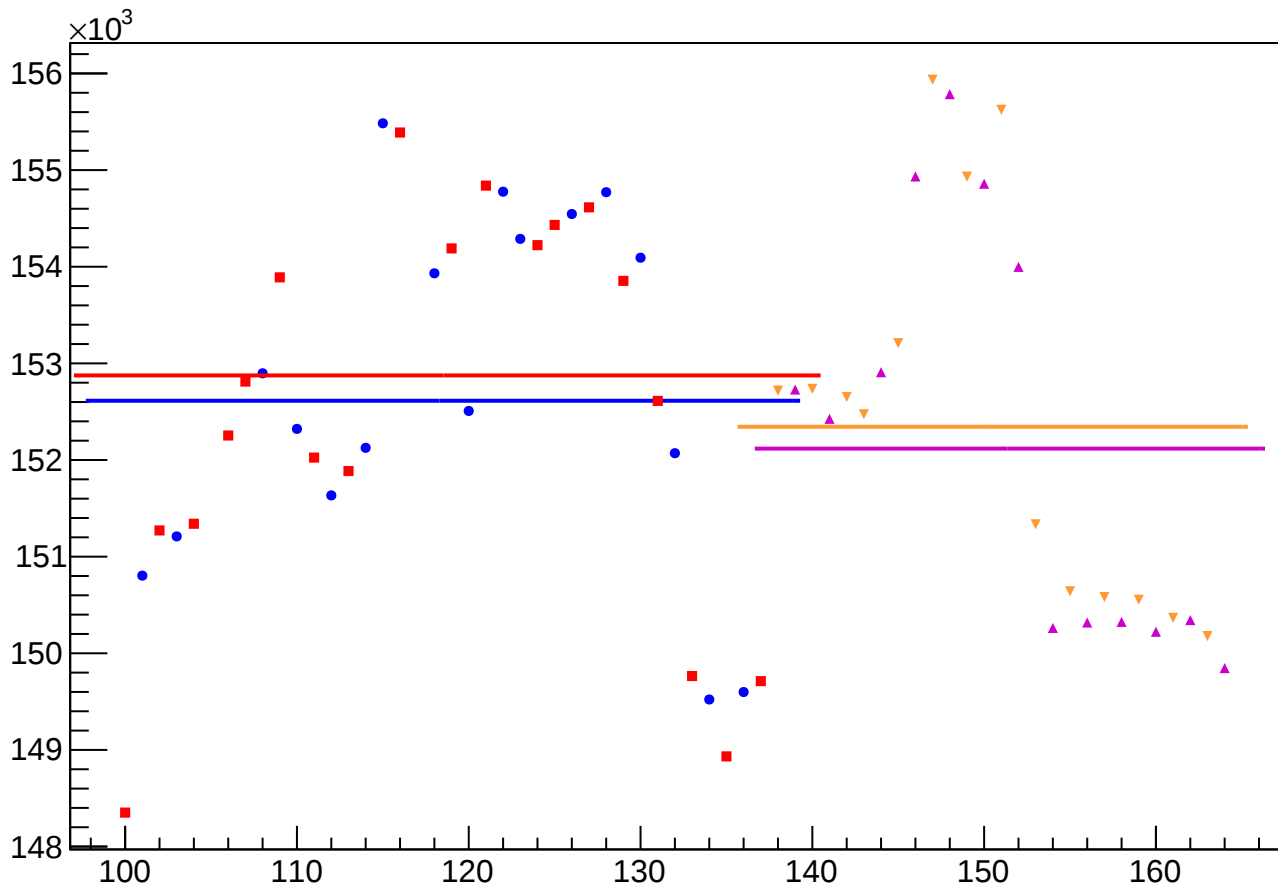
Right: 127.058 $\pm$ 0.026 χ^2 /NDF: 3027426.7/35

In: 154.250 $\pm$ 0.028 χ^2 /NDF: 2526187.7/29

Out: 148.300 $\pm$ 0.026 χ^2 /NDF: 2759877.9/32

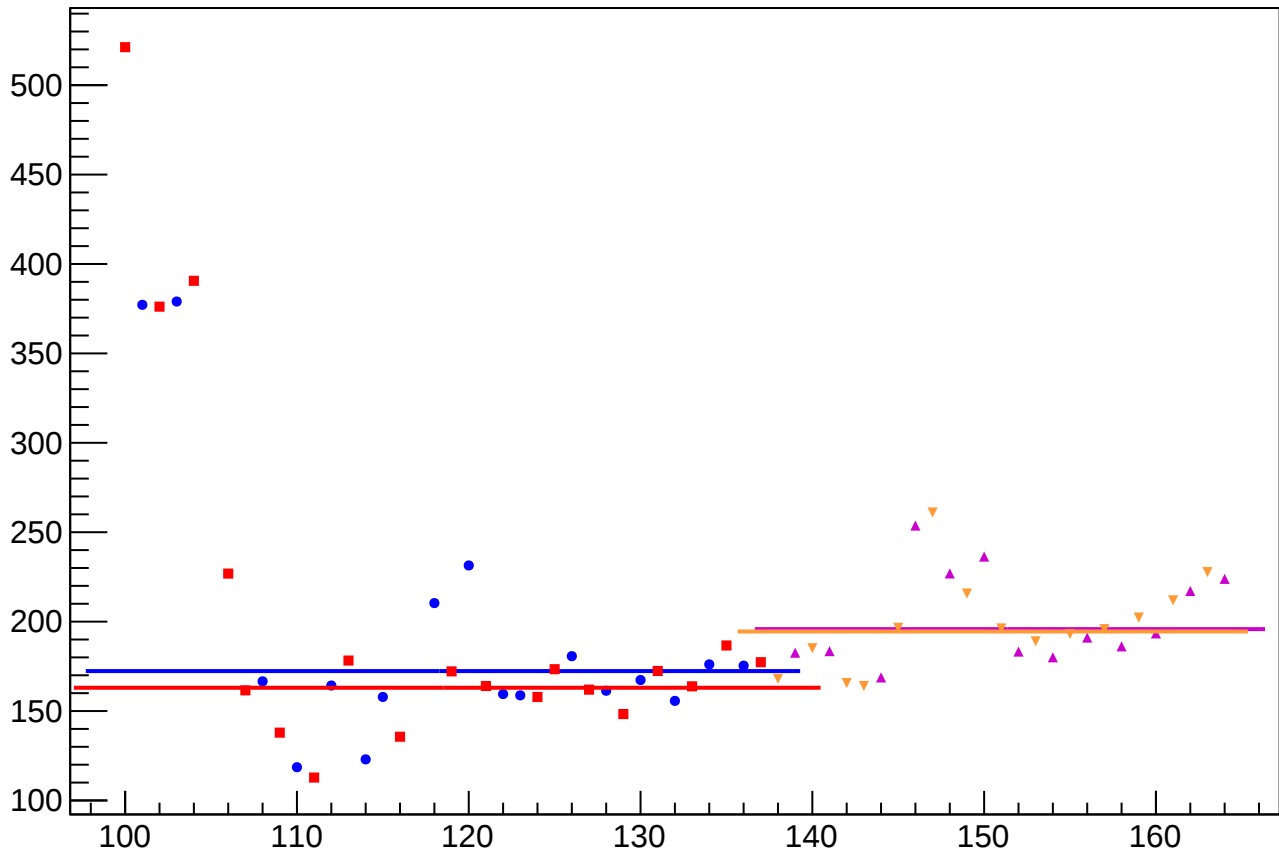
All: 151.103 $\pm$ 0.019 χ^2 /NDF: 5310246.5/62

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072	χ^2 /NDF: 623356098.4/16	Left: 152232.985 $\pm$ 0.043	χ^2 /NDF: 1809471210.2/2
Left Out: 152343.914 $\pm$ 0.061	χ^2 /NDF: 856317216.7/13	Right: 152755.689 $\pm$ 0.049	χ^2 /NDF: 1346872378.3/3
Right Out: 152875.313 $\pm$ 0.066	χ^2 /NDF: 716358700.9/18	In: 152327.432 $\pm$ 0.047	χ^2 /NDF: 1596810325.9/29
Left In: 152118.026 $\pm$ 0.062	χ^2 /NDF: 946370263.6/12	Out: 152586.970 $\pm$ 0.045	χ^2 /NDF: 1607642993.0/3
		All: 152463.503 $\pm$ 0.032	χ^2 /NDF: 322044136.0/1

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 194.497+/-0.043 χ^2/NDF : 274831.7/13

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

Left In: 195.803+/-0.044 χ^2/NDF : 278536.5/12

Left: 195.139+/-0.031 χ^2/NDF : 553821.5/26

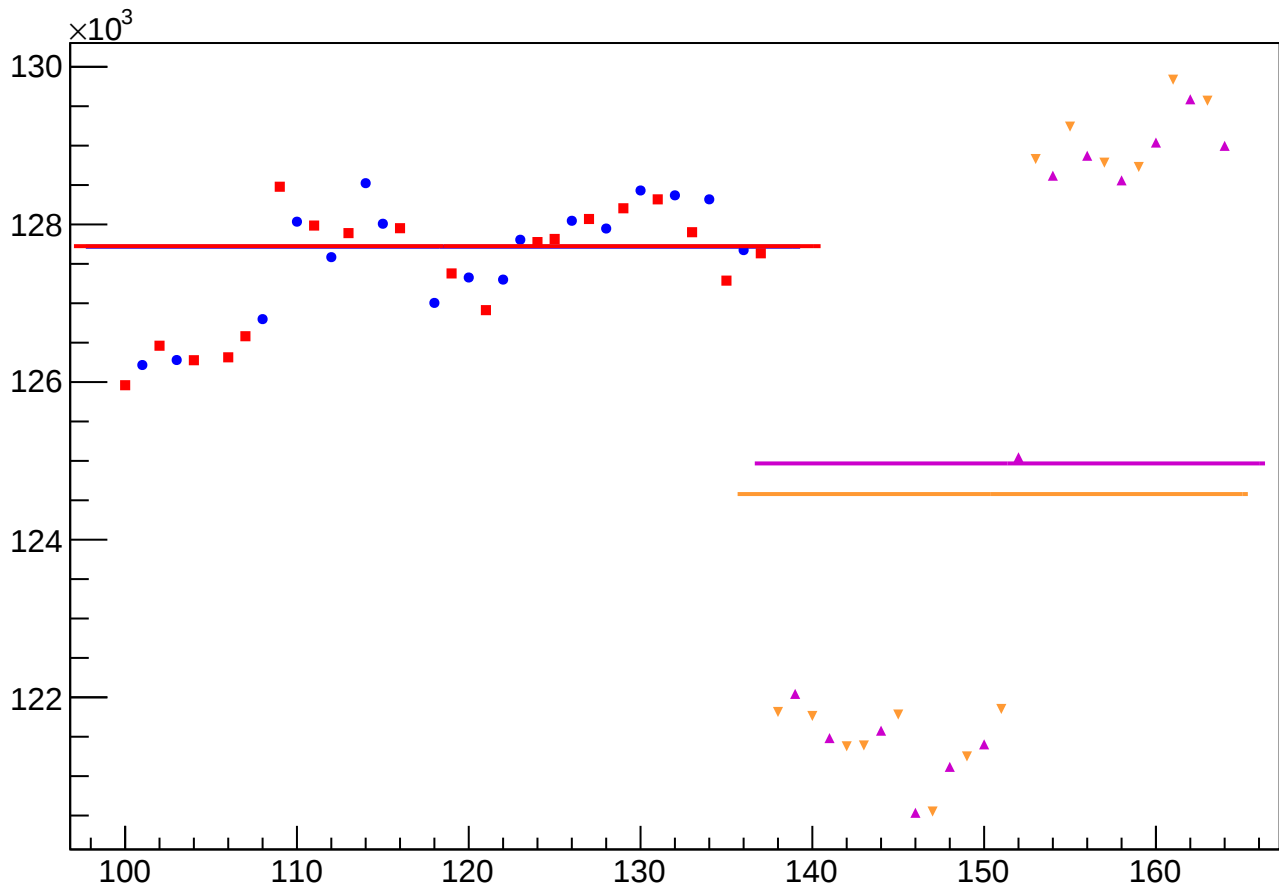
Right: 167.282+/-0.035 χ^2/NDF : 1972741.3/35

In: 185.884+/-0.033 χ^2/NDF : 1321988.2/29

Out: 180.104+/-0.032 χ^2/NDF : 1552801.8/32

All: 182.854+/-0.023 χ^2/NDF : 2890646.3/62

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 124579.118 $\pm$ 0.053 χ^2 /NDF: 4864419665.1/13

Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18

Left In: 124967.734 $\pm$ 0.053 χ^2 /NDF: 4546469106.4/12

Left: 124776.181 $\pm$ 0.037 χ^2 /NDF: 9437774659.0/2

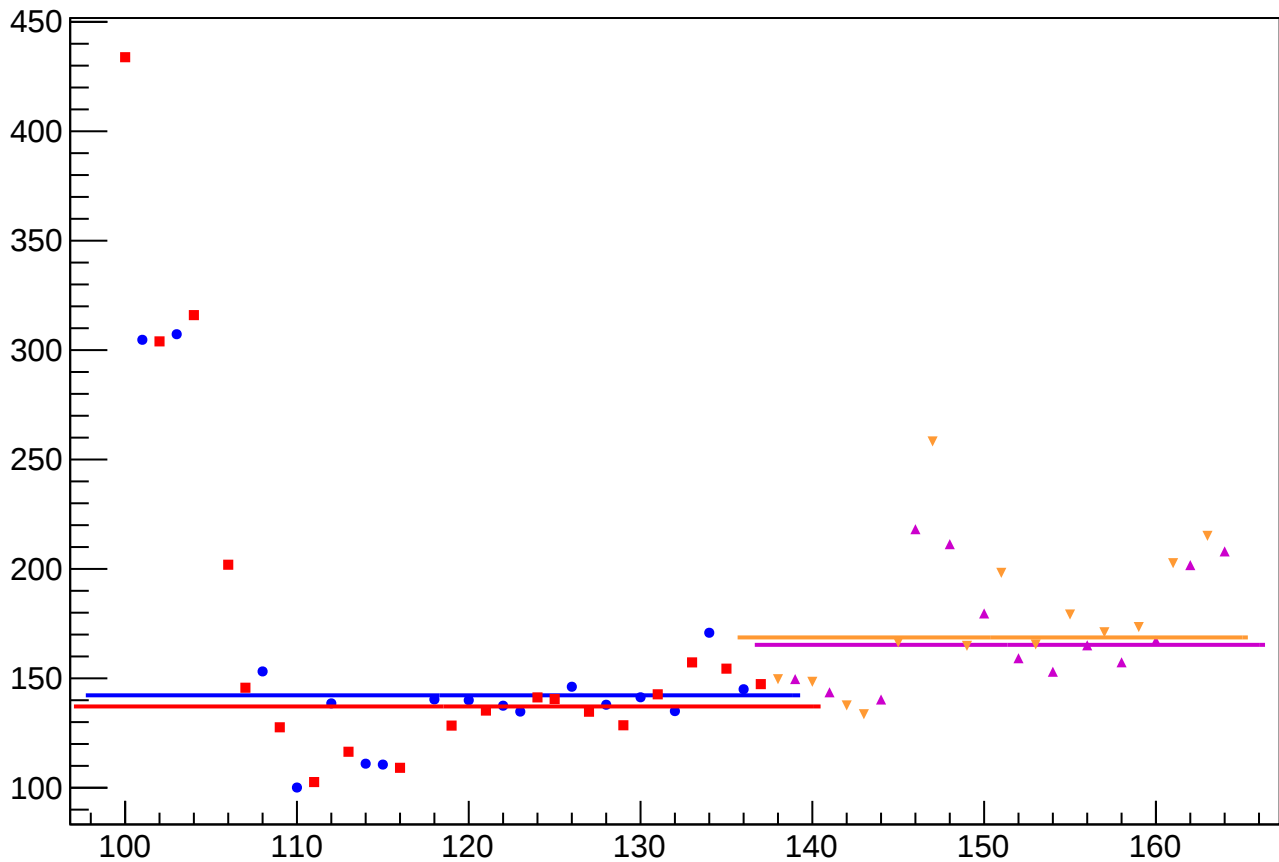
Right: 127721.424 $\pm$ 0.040 χ^2 /NDF: 207735167.4/3

In: 126202.686 $\pm$ 0.039 χ^2 /NDF: 5868296914.1/29

Out: 126118.250 $\pm$ 0.038 χ^2 /NDF: 6676591759.5/3

All: 126159.464 $\pm$ 0.027 χ^2 /NDF: 125472810

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2/NDF : 836415.1/16

Left Out: 168.697 $\pm$ 0.038 χ^2/NDF : 528325.3/13

Right Out: 137.151 $\pm$ 0.039 χ^2/NDF : 957730.8/18

Left In: 165.306 $\pm$ 0.037 χ^2/NDF : 396652.5/12

Left: 166.978 $\pm$ 0.026 χ^2/NDF : 929071.9/26

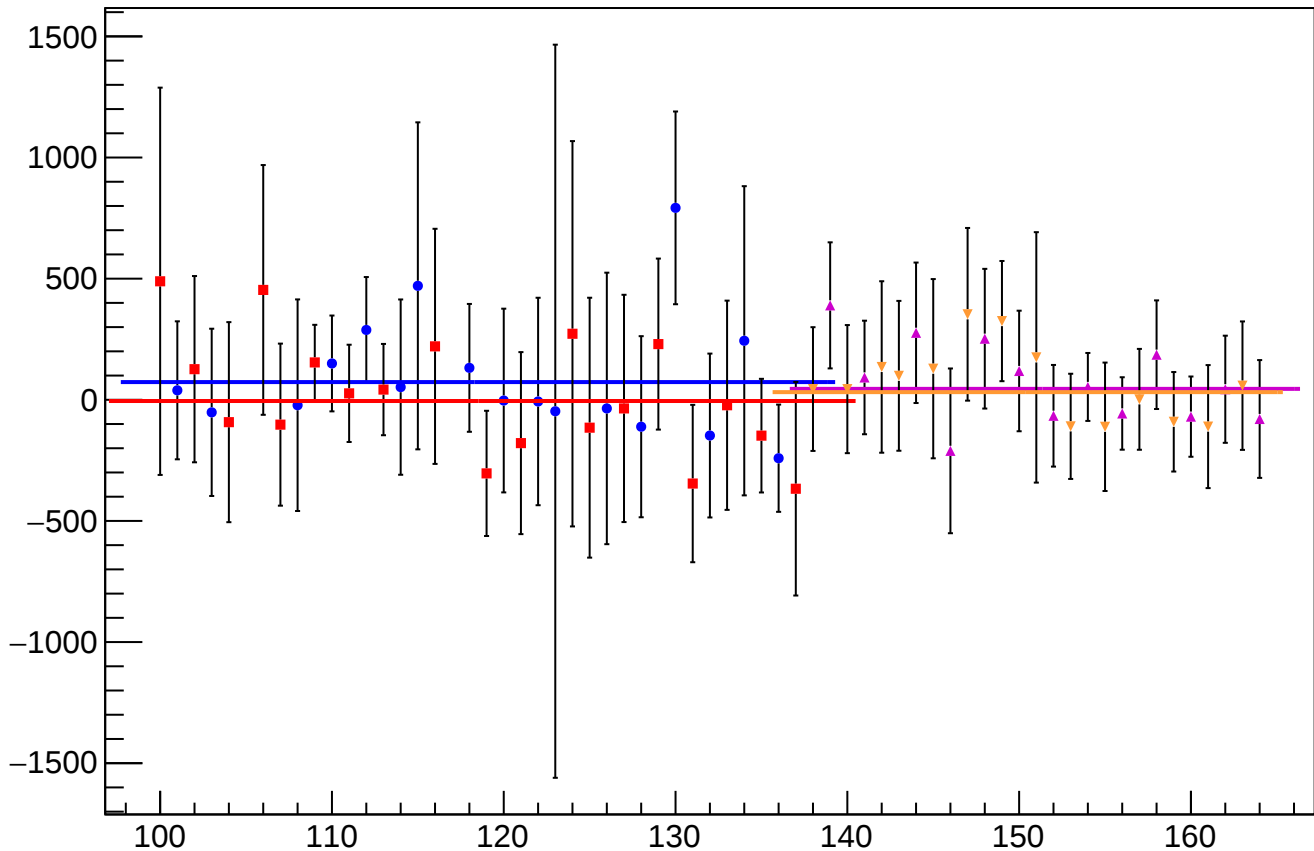
Right: 139.526 $\pm$ 0.028 χ^2/NDF : 1802277.5/35

In: 154.948 $\pm$ 0.028 χ^2/NDF : 1405641.5/29

Out: 153.261 $\pm$ 0.027 χ^2/NDF : 1827967.7/32

All: 154.085 $\pm$ 0.019 χ^2/NDF : 3235520.6/62

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 31.606+/-71.566 χ^2/NDF : 3.9/13

Right Out: -5.021+/-70.098 χ^2/NDF : 7.1/18

Left In: 45.101+/-58.347 χ^2/NDF : 5.5/12

Left: 39.713+/-45.222 χ^2/NDF : 9.4/26

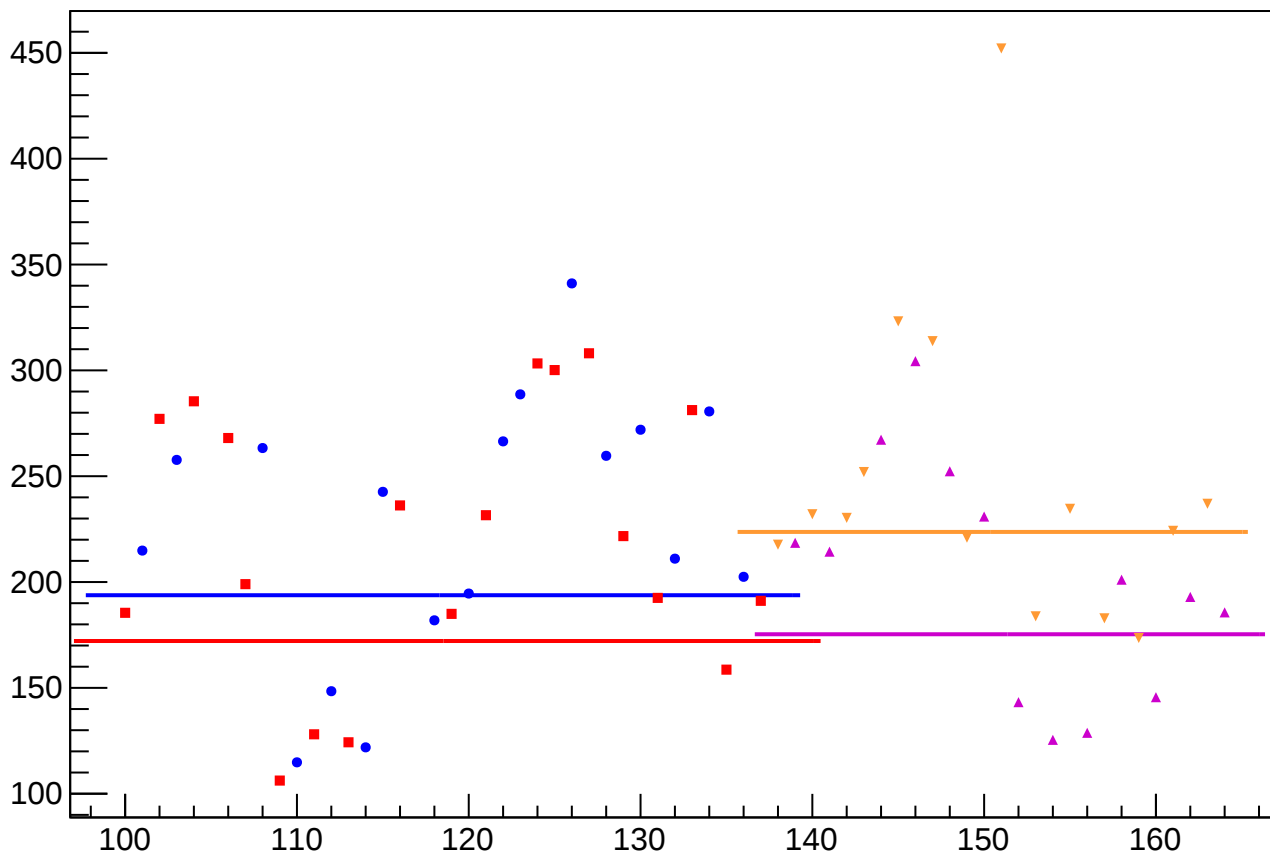
Right: 29.103+/-52.608 χ^2/NDF : 15.5/35

In: 54.890+/-47.060 χ^2/NDF : 13.4/29

Out: 12.913+/-50.078 χ^2/NDF : 11.1/32

All: 35.204+/-34.294 χ^2/NDF : 24.9/62

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 +/- 0.056 χ^2/NDF : 1017081.7/16

Left Out: 223.677 +/- 0.051 χ^2/NDF : 955823.3/13

Right Out: 172.142 +/- 0.050 χ^2/NDF : 1580035.1/18

Left In: 175.330 +/- 0.041 χ^2/NDF : 1443203.9/12

Left: 194.635 +/- 0.032 χ^2/NDF : 2947309.5/26

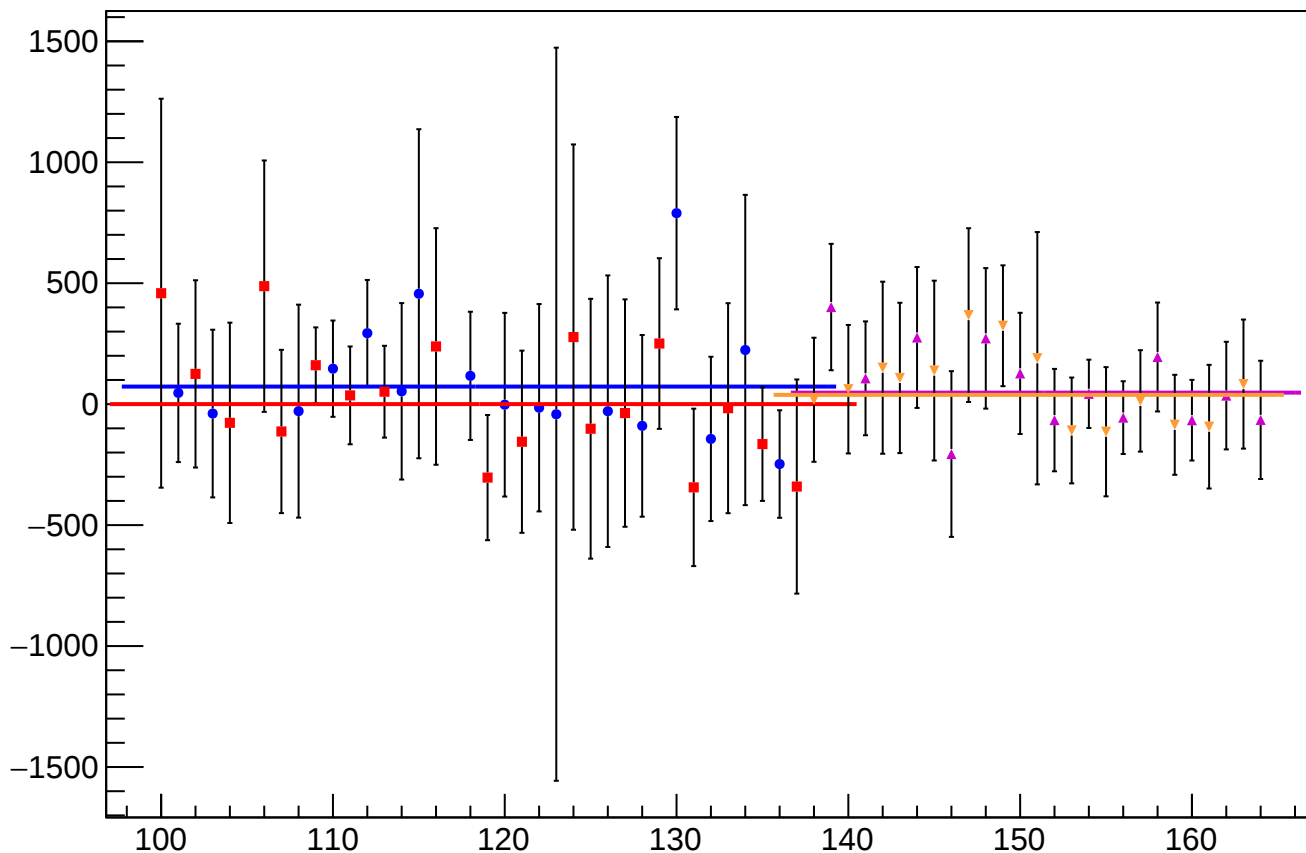
Right: 181.589 +/- 0.037 χ^2/NDF : 2680292.0/35

In: 181.776 +/- 0.033 χ^2/NDF : 2530115.6/29

Out: 197.375 +/- 0.035 χ^2/NDF : 3065145.2/32

All: 189.091 +/- 0.024 χ^2/NDF : 5698322.5/62

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 38.416+/-72.026 χ^2/NDF : 3.9/13

Right Out: 0.181+/-70.467 χ^2/NDF : 7.3/18

Left In: 47.721+/-58.699 χ^2/NDF : 5.6/12

Left: 44.007+/-45.502 χ^2/NDF : 9.6/26

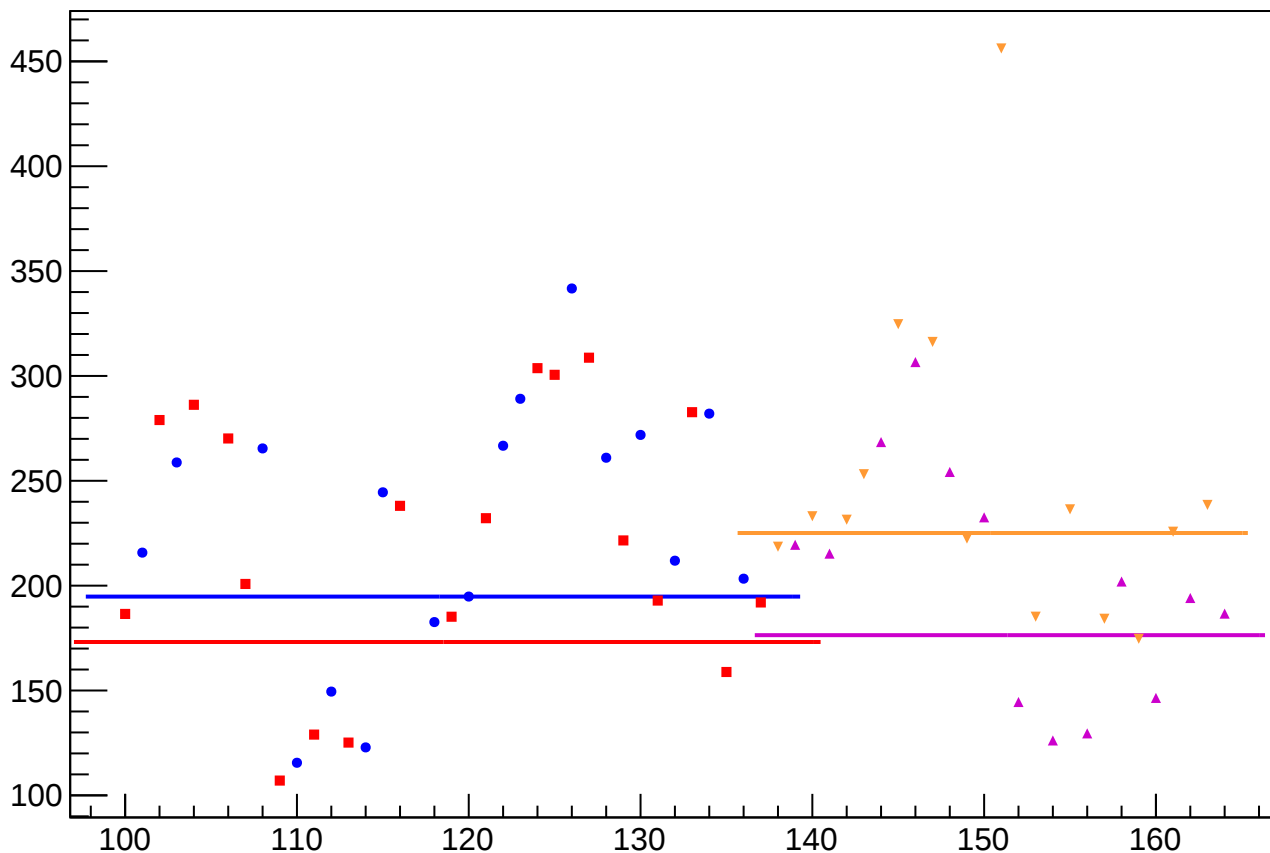
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 56.455+/-47.325 χ^2/NDF : 13.4/29

Out: 18.880+/-50.370 χ^2/NDF : 11.3/32

All: 38.838+/-34.490 χ^2/NDF : 25.1/62

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 225.106 $\pm$ 0.051 χ^2 /NDF:955356.0/13

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

Left In: 176.389 $\pm$ 0.042 χ^2 /NDF:1441070.9/12

Left: 195.833 $\pm$ 0.032 χ^2 /NDF: 2946236.5/26

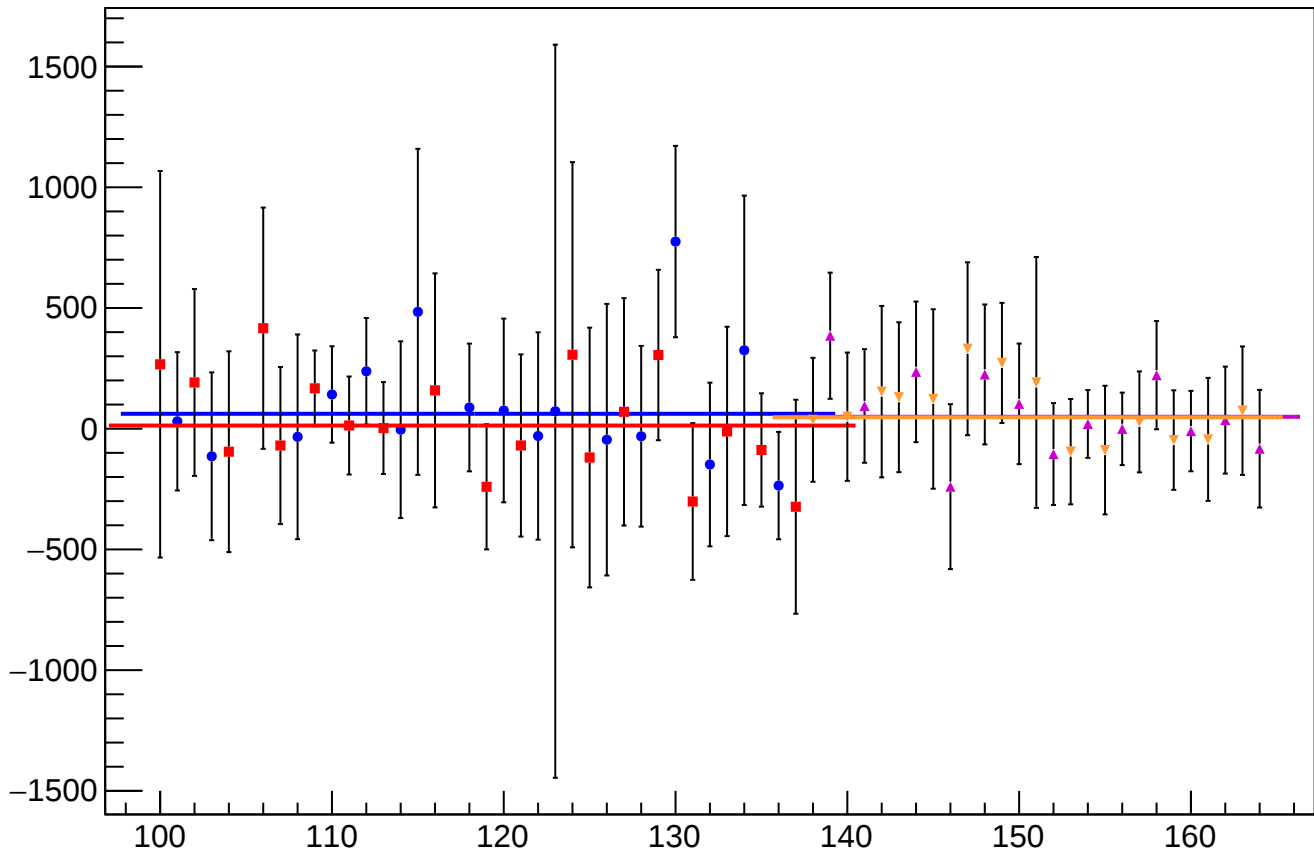
Right: 182.592 $\pm$ 0.037 χ^2 /NDF: 2658346.9/35

In: 182.827 $\pm$ 0.033 χ^2 /NDF:2518093.8/29

Out: 198.550 $\pm$ 0.036 χ^2 /NDF:3055037.6/32

All: 190.199 $\pm$ 0.024 χ^2 /NDF: 5676639.6/62

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 47.008 $\pm$ 71.872 χ^2 /NDF: 2.8/13

Right Out: 13.101 $\pm$ 70.391 χ^2 /NDF: 5.8/18

Left In: 49.383 $\pm$ 58.554 χ^2 /NDF: 4.9/12

Left: 48.436 $\pm$ 45.396 χ^2 /NDF: 7.7/26

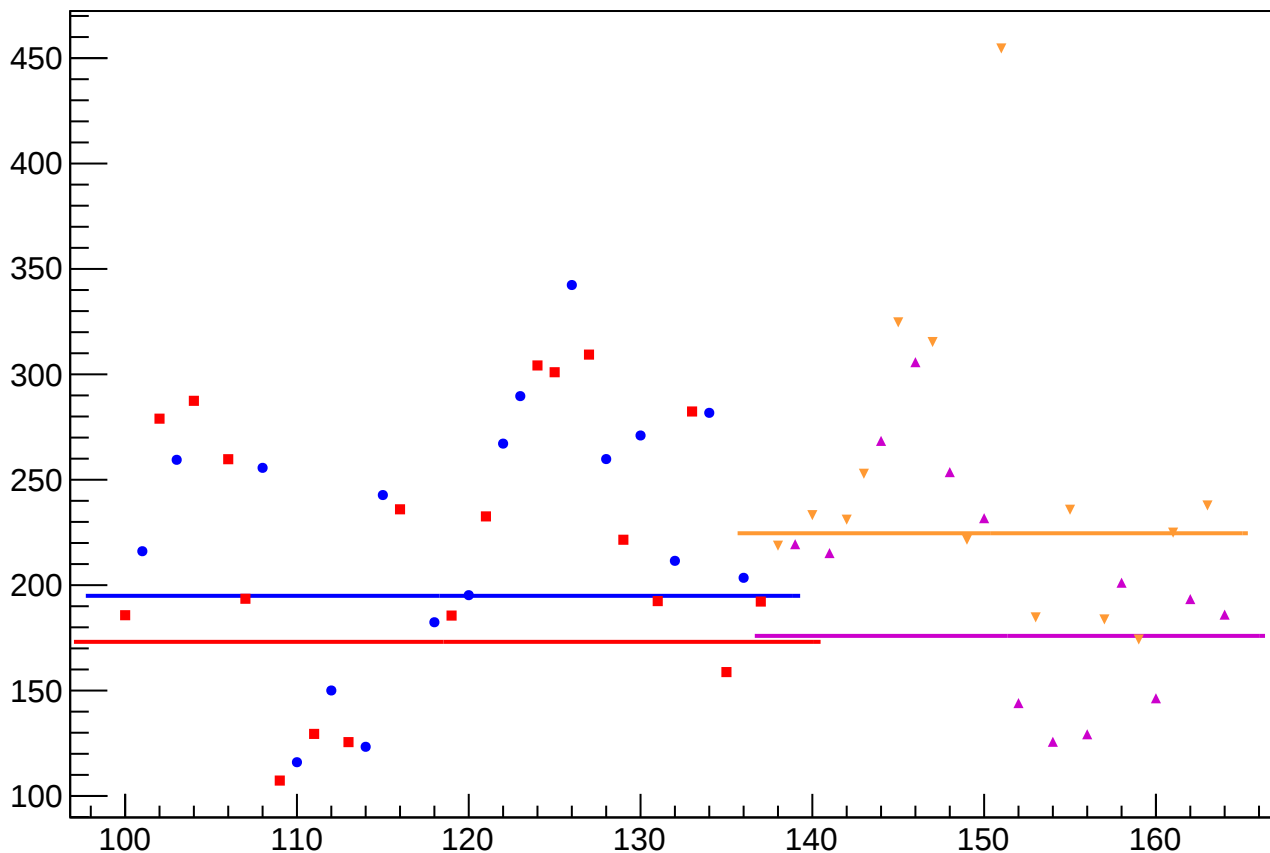
Right: 34.362 $\pm$ 52.842 χ^2 /NDF: 13.2/35

In: 53.720 $\pm$ 47.247 χ^2 /NDF: 12.2/29

Out: 29.702 $\pm$ 50.289 χ^2 /NDF: 8.6/32

All: 42.459 $\pm$ 34.434 χ^2 /NDF: 21.0/62

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 224.617+/-0.051 χ^2/NDF : 956750.1/13

Right Out: 173.109+/-0.050 χ^2/NDF : 1544723.9/18

Left In: 175.939+/-0.041 χ^2/NDF : 1444387.9/12

Left: 195.359+/-0.032 χ^2/NDF : 2952583.7/26

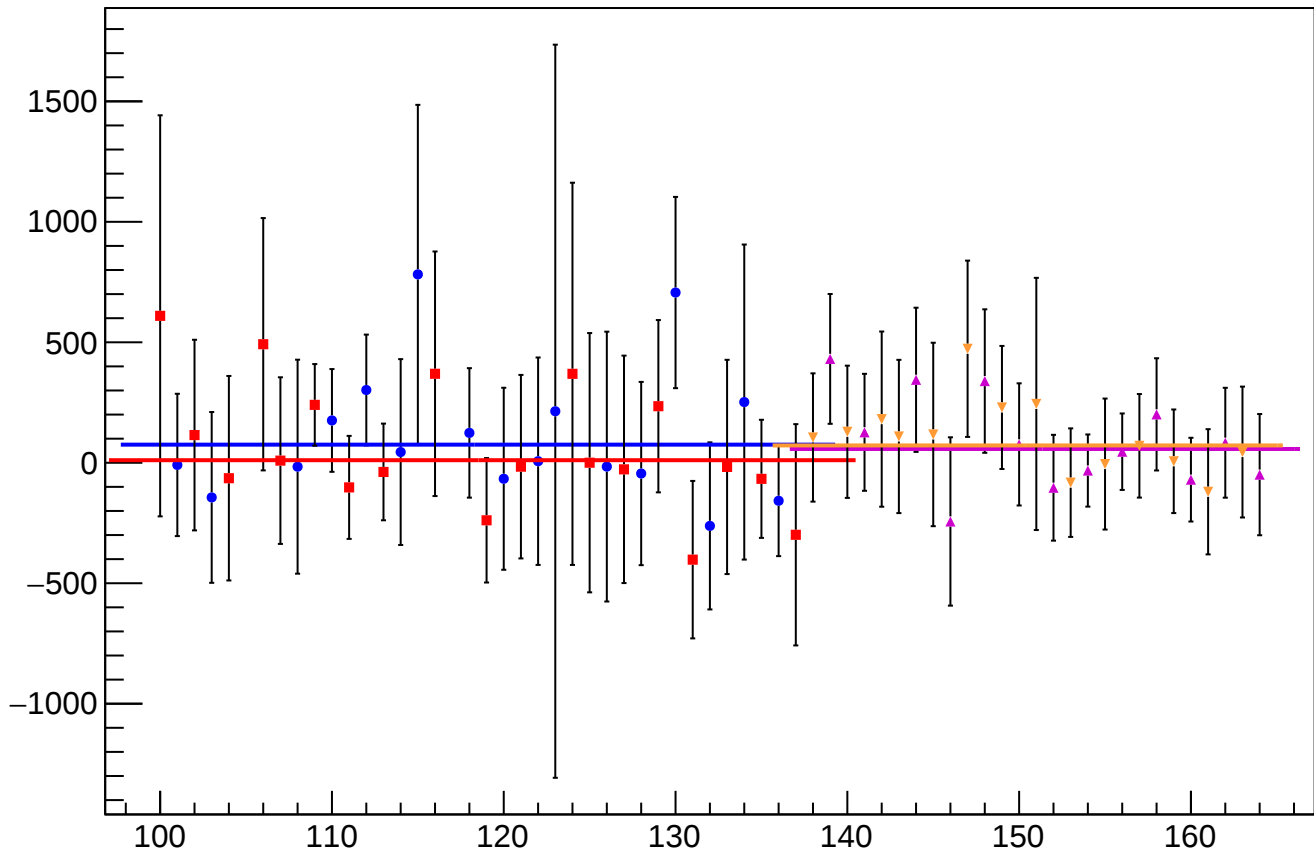
Right: 182.637+/-0.037 χ^2/NDF : 2615306.2/35

In: 182.568+/-0.033 χ^2/NDF : 2504493.9/29

Out: 198.327+/-0.036 χ^2/NDF : 3025782.5/32

All: 189.957+/-0.024 χ^2/NDF : 5634591.9/62

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 71.944 $\pm$ 73.902 χ^2 /NDF:3.1/13

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: 57.267 $\pm$ 61.015 χ^2 /NDF:6.6/12

Left: 63.216 $\pm$ 47.051 χ^2 /NDF: 9.7/26

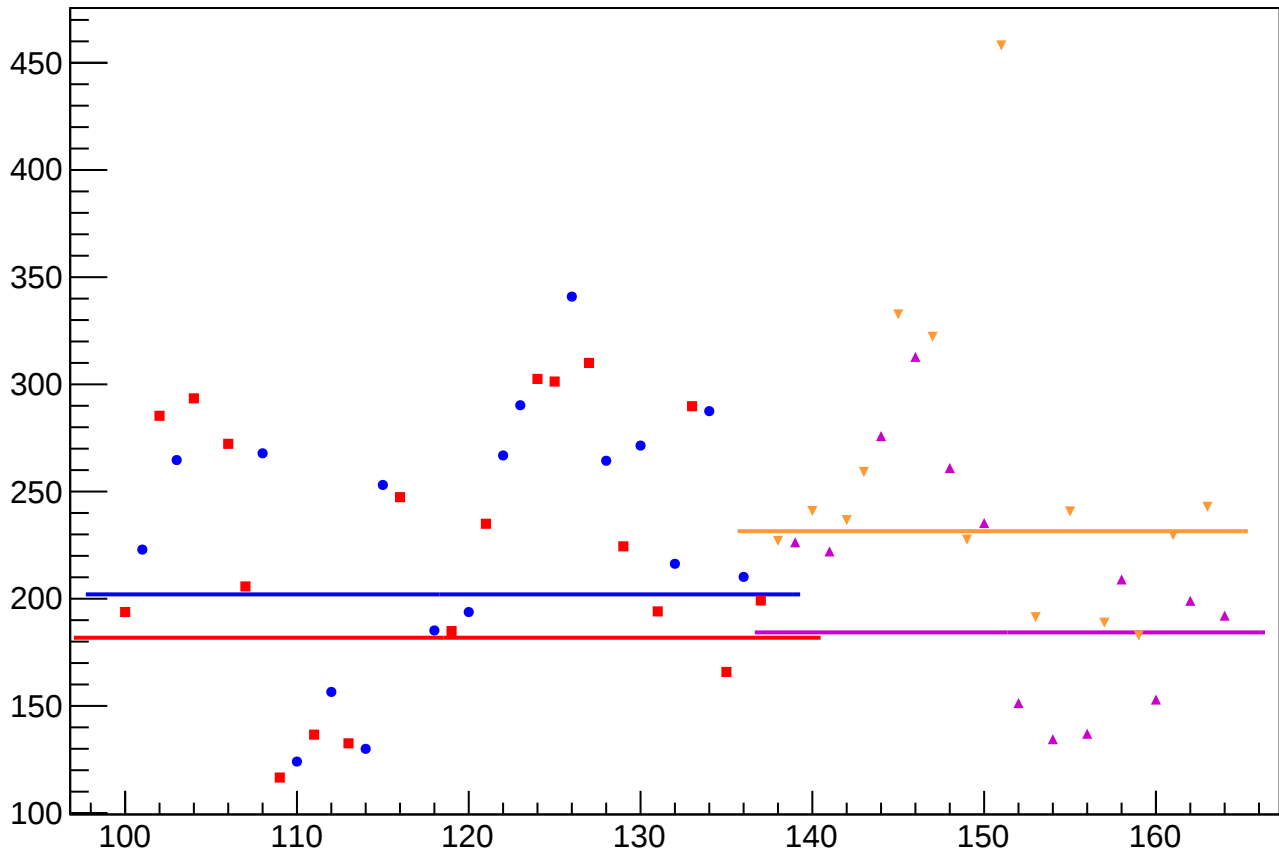
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 63.610 $\pm$ 49.057 χ^2 /NDF:14.2/29

Out: 41.074 $\pm$ 52.056 χ^2 /NDF:11.3/32

All: 53.010 $\pm$ 35.702 χ^2 /NDF: 25.6/62

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 231.504+/-0.052 χ^2/NDF : 908479.6/13

Right Out: 181.811+/-0.052 χ^2/NDF : 1377537.2/18

Left In: 184.295+/-0.043 χ^2/NDF : 1310588.5/12

Left: 203.431+/-0.033 χ^2/NDF : 2704391.4/26

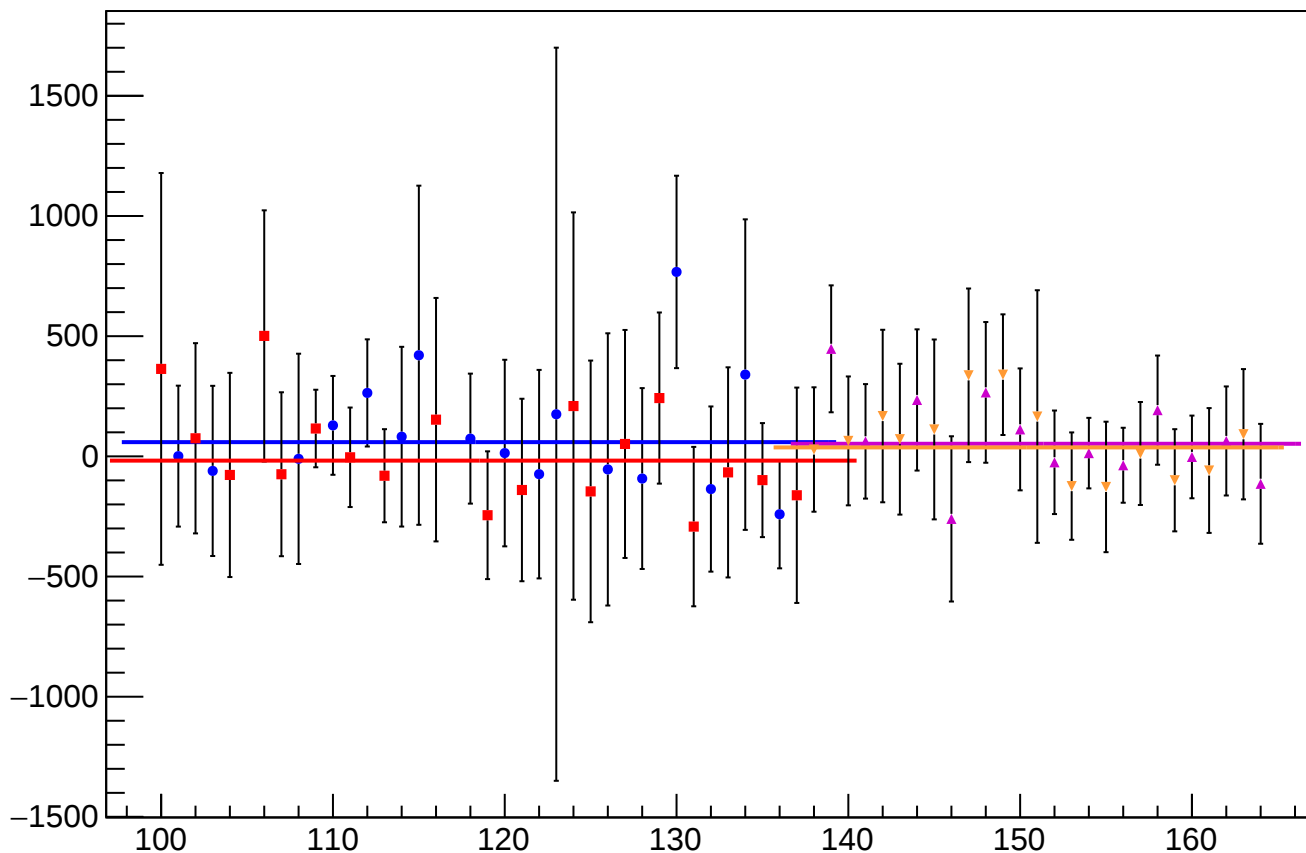
Right: 190.735+/-0.039 χ^2/NDF : 2326235.8/35

In: 190.565+/-0.035 χ^2/NDF : 2251933.8/29

Out: 206.467+/-0.037 χ^2/NDF : 2741617.8/32

All: 198.045+/-0.025 χ^2/NDF : 5092403.8/62

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 37.211 $\pm$ 73.116 χ^2 /NDF:3.9/13

Right Out: -17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

Left In: 52.381 $\pm$ 60.078 χ^2 /NDF:5.5/12

Left: 46.267 $\pm$ 46.418 χ^2 /NDF: 9.4/26

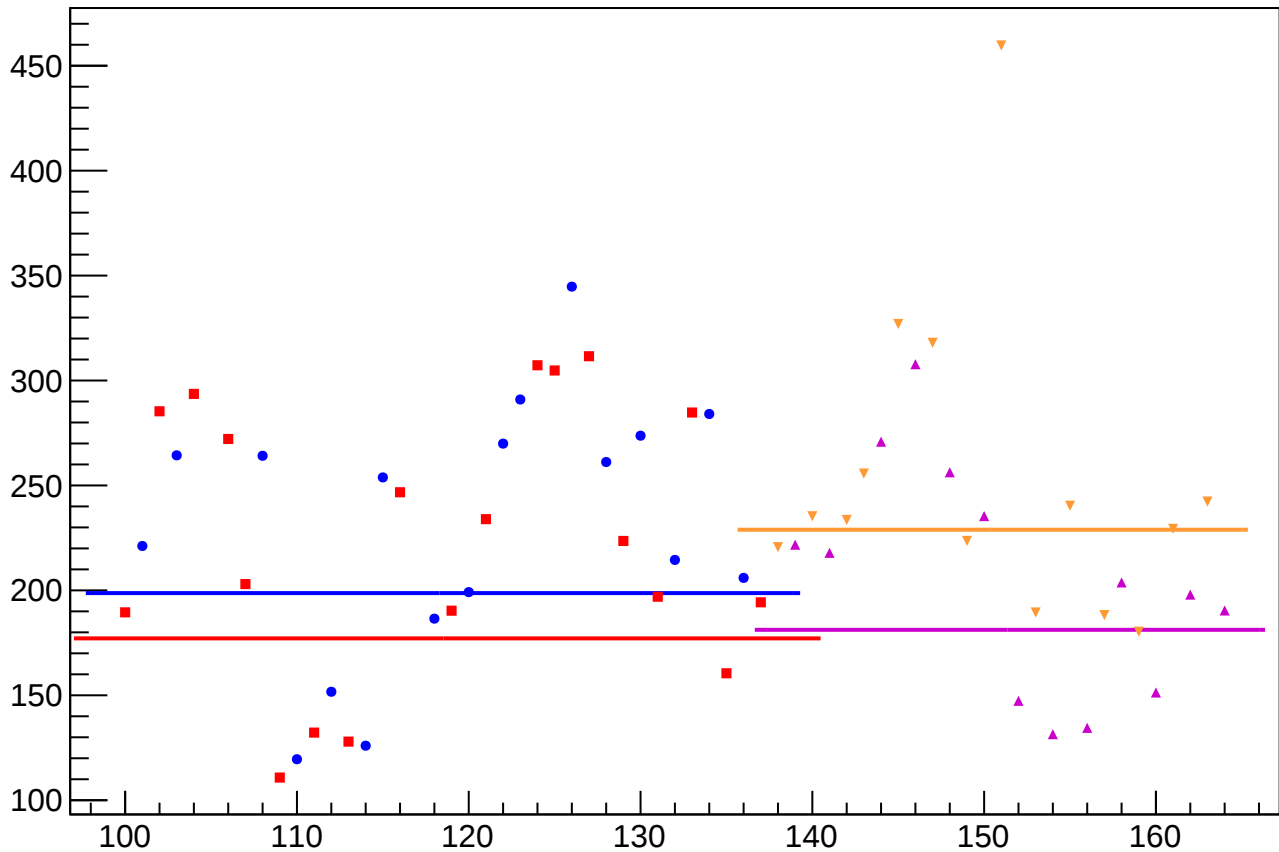
Right: 15.968 $\pm$ 53.893 χ^2 /NDF: 12.3/35

In: 54.776 $\pm$ 48.342 χ^2 /NDF:12.6/29

Out: 9.281 $\pm$ 51.266 χ^2 /NDF:8.8/32

All: 33.363 $\pm$ 35.171 χ^2 /NDF: 21.9/62

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2/NDF : 963394.4/16

Left Out: 228.902 $\pm$ 0.052 χ^2/NDF : 910991.6/13

Right Out: 177.125 $\pm$ 0.051 χ^2/NDF : 1524889.9/18

Left In: 181.204 $\pm$ 0.042 χ^2/NDF : 1327058.2/12

Left: 200.428 $\pm$ 0.033 χ^2/NDF : 2746141.9/26

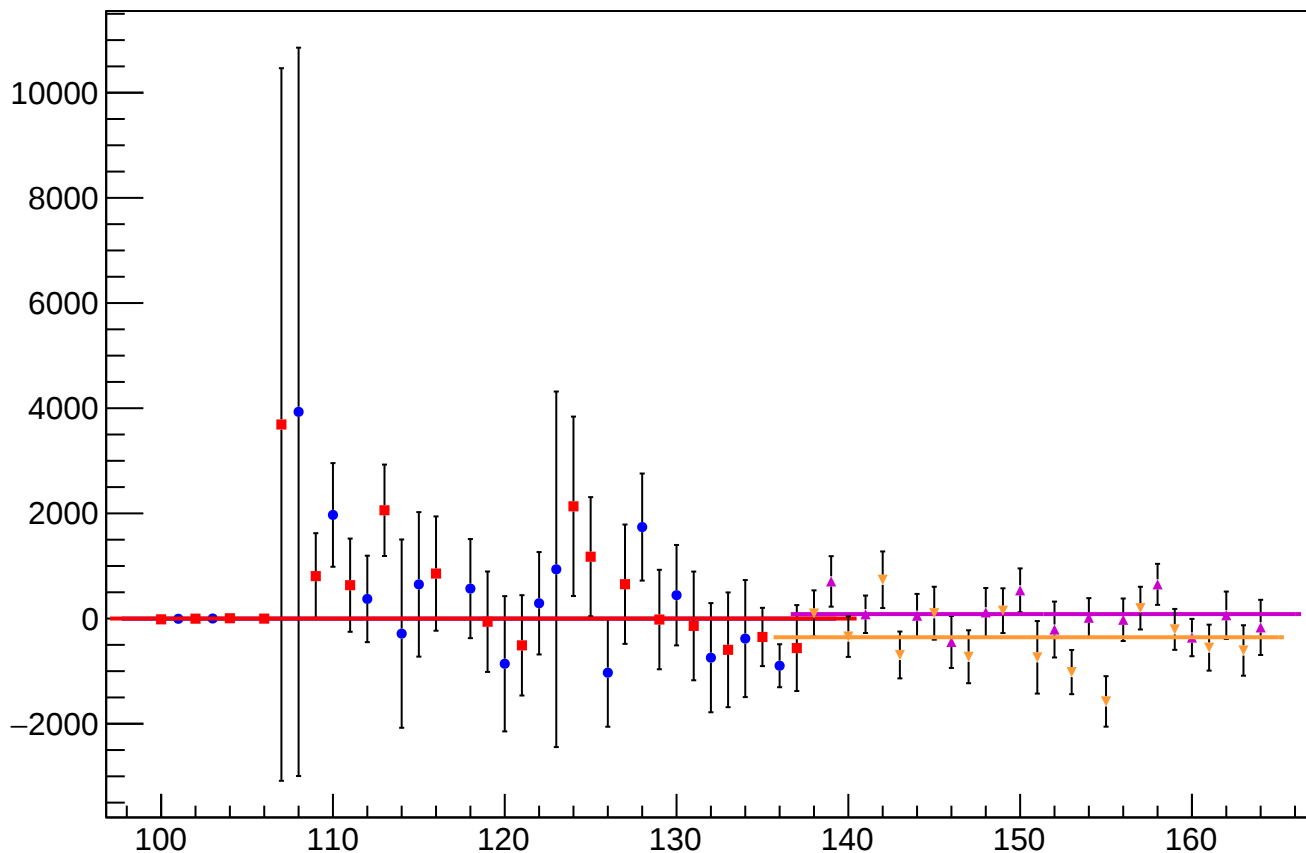
Right: 186.580 $\pm$ 0.038 χ^2/NDF : 2567217.8/35

In: 187.373 $\pm$ 0.034 χ^2/NDF : 2350275.9/29

Out: 202.579 $\pm$ 0.036 χ^2/NDF : 2945760.7/32

All: 194.530 $\pm$ 0.025 χ^2/NDF : 5389172.5/62

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -355.202 ± 121.140 χ^2/NDF : 20.3/13

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

Left In: 85.230 ± 117.488 χ^2/NDF : 8.3/12

Left: -128.247 ± 84.338 χ^2/NDF : 35.4/26

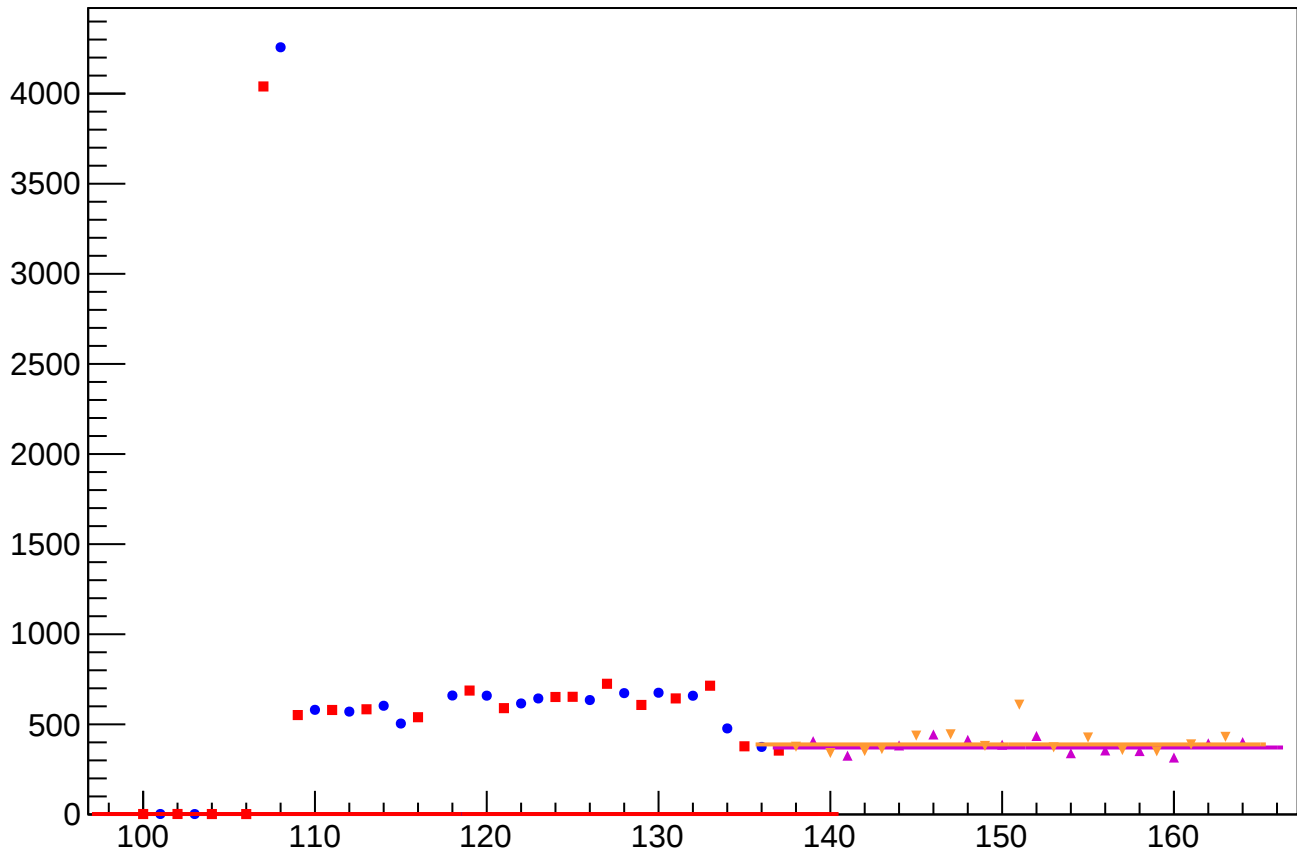
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.497 ± 2.251 χ^2/NDF : 25.5/29

Out: 0.623 ± 2.111 χ^2/NDF : 47.3/32

All: -0.369 ± 1.540 χ^2/NDF : 73.3/62

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 388.645+/-0.086 χ^2/NDF :359784.3/13

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

Left In: 371.543+/-0.083 χ^2/NDF :219804.1/12

Left: 379.833+/-0.060 χ^2/NDF : 600128.8/26

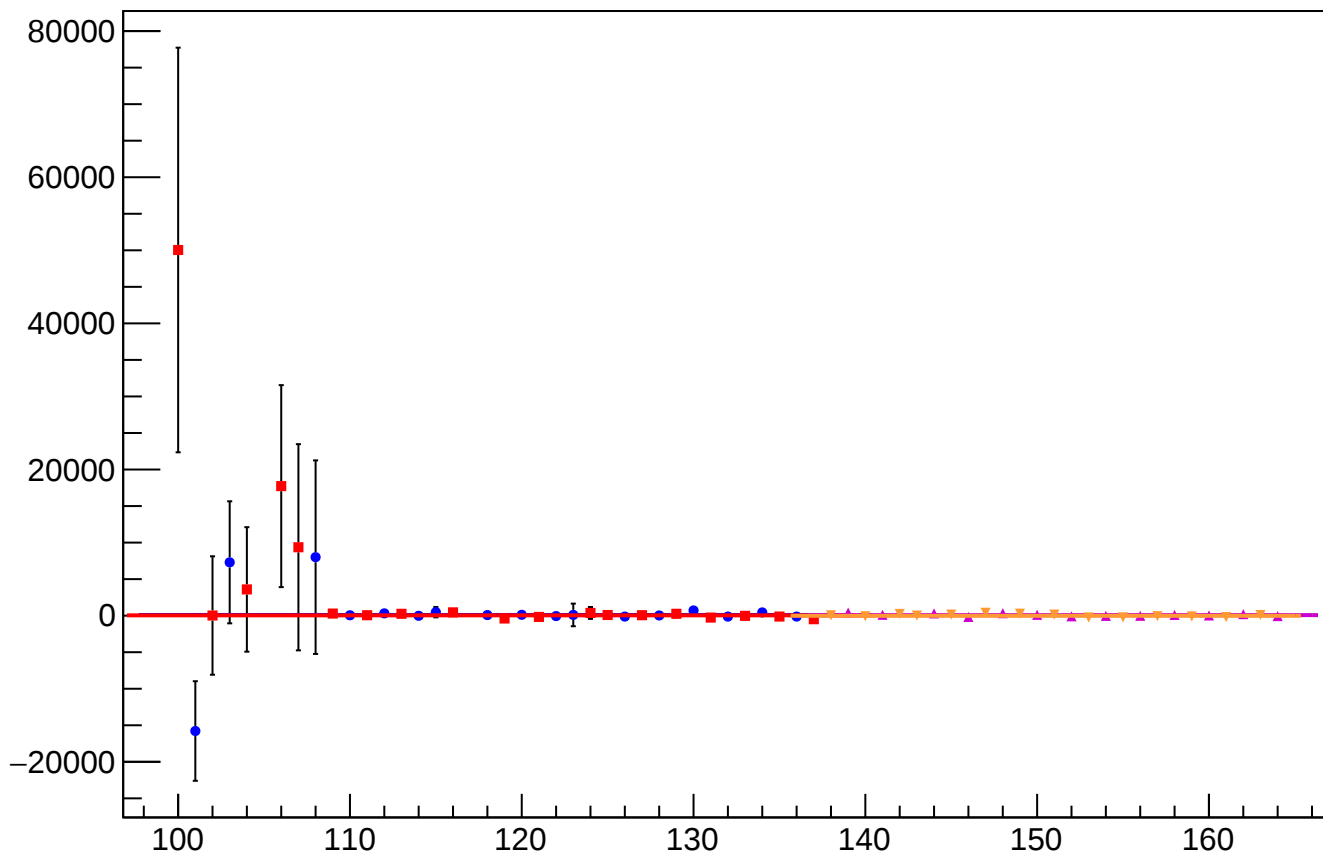
Right: 2.446+/-0.001 χ^2/NDF : 21846612.0/35

In: 2.592+/-0.002 χ^2/NDF :30656866.1/29

Out: 2.554+/-0.001 χ^2/NDF :31821986.7/32

All: 2.572+/-0.001 χ^2/NDF : 62479151.3/62

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -15.281+/-77.061 χ^2/NDF : 5.3/13

Right Out: 42.617+/-84.547 χ^2/NDF : 14.0/18

Left In: 74.630+/-64.053 χ^2/NDF : 5.4/12

Left: 37.892+/-49.259 χ^2/NDF : 11.5/26

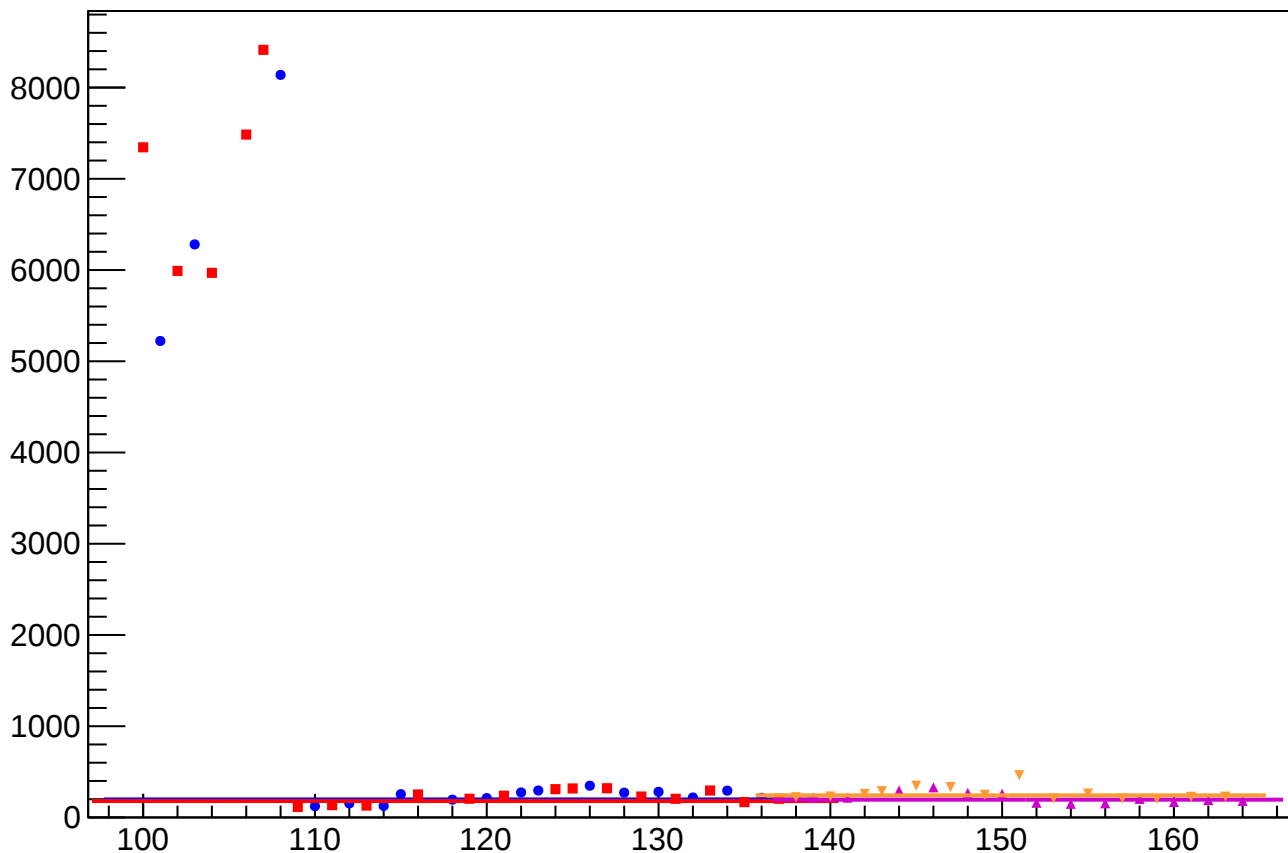
Right: 66.846+/-62.161 χ^2/NDF : 26.2/35

In: 81.424+/-52.513 χ^2/NDF : 17.4/29

Out: 10.992+/-56.953 χ^2/NDF : 19.6/32

All: 49.061+/-38.607 χ^2/NDF : 37.8/62

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 242.272+/-0.054 χ^2/NDF :824545.4/13

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

Left In: 194.995+/-0.045 χ^2/NDF :1060400.6/12

Left: 214.312+/-0.035 χ^2/NDF : 2330133.5/26

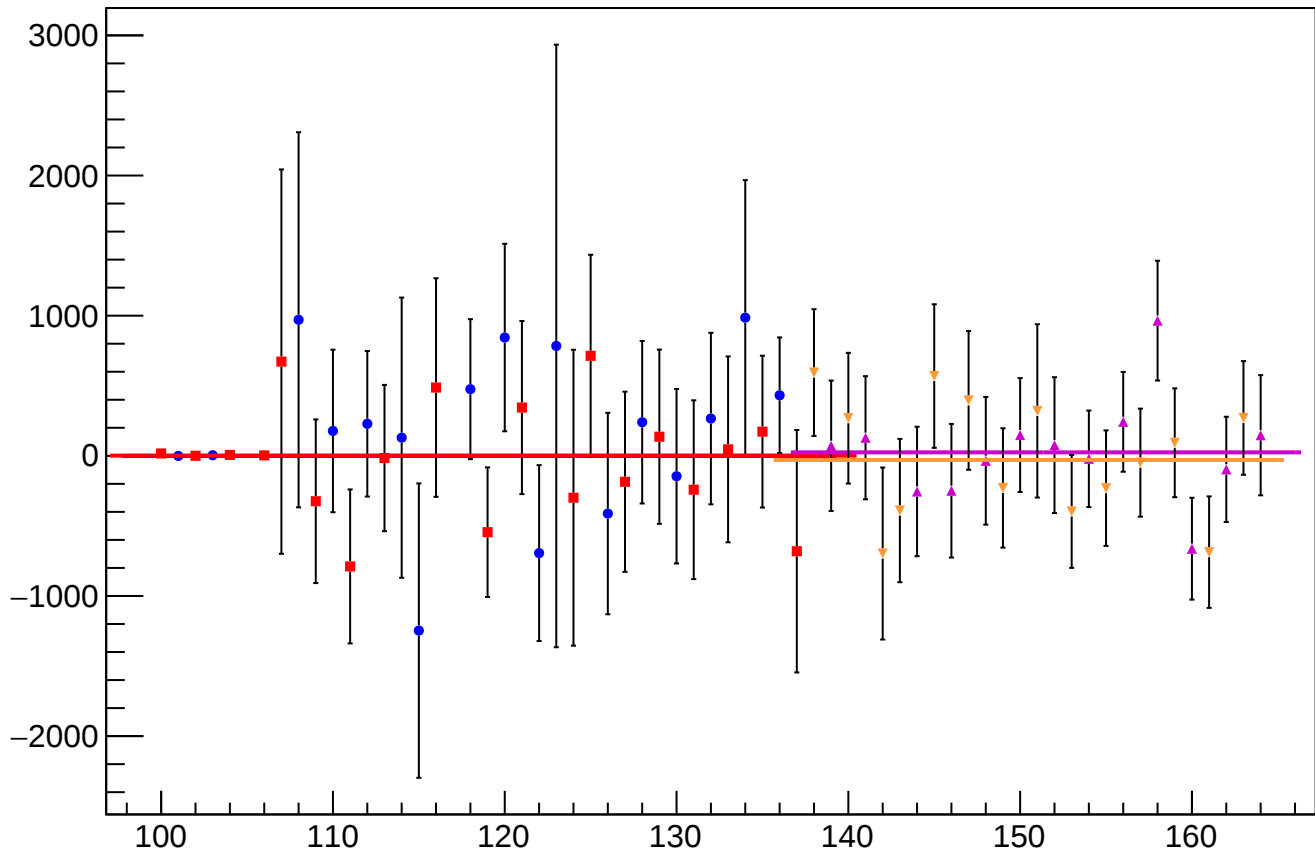
Right: 187.995+/-0.044 χ^2/NDF : 8056346.9/35

In: 195.791+/-0.037 χ^2/NDF :4757190.1/29

Out: 214.007+/-0.040 χ^2/NDF :5738921.9/32

All: 204.161+/-0.027 χ^2/NDF : 10606691.9/62

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -29.560 ± 119.686 χ^2/NDF : 11.1/13

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.5/18

Left In: 24.656 ± 114.769 χ^2/NDF : 9.9/12

Left: -1.315 ± 82.838 χ^2/NDF : 21.1/26

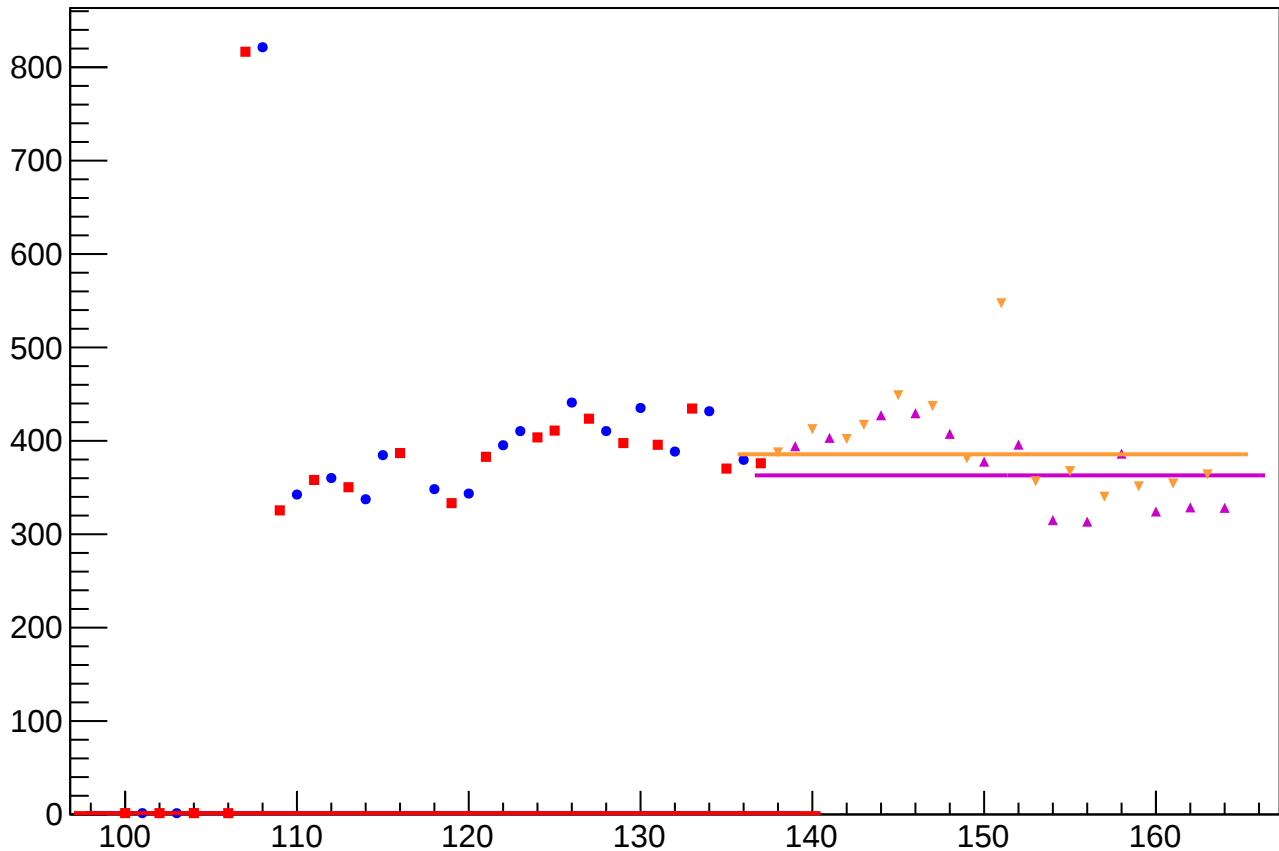
Right: 0.642 ± 1.186 χ^2/NDF : 19.7/35

In: -0.133 ± 1.736 χ^2/NDF : 19.7/29

Out: 1.318 ± 1.622 χ^2/NDF : 20.7/32

All: 0.642 ± 1.185 χ^2/NDF : 40.7/62

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 385.602+/-0.085 χ^2/NDF : 280408.5/13

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

Left In: 363.024+/-0.081 χ^2/NDF : 270202.7/12

Left: 373.840+/-0.059 χ^2/NDF : 587690.3/26

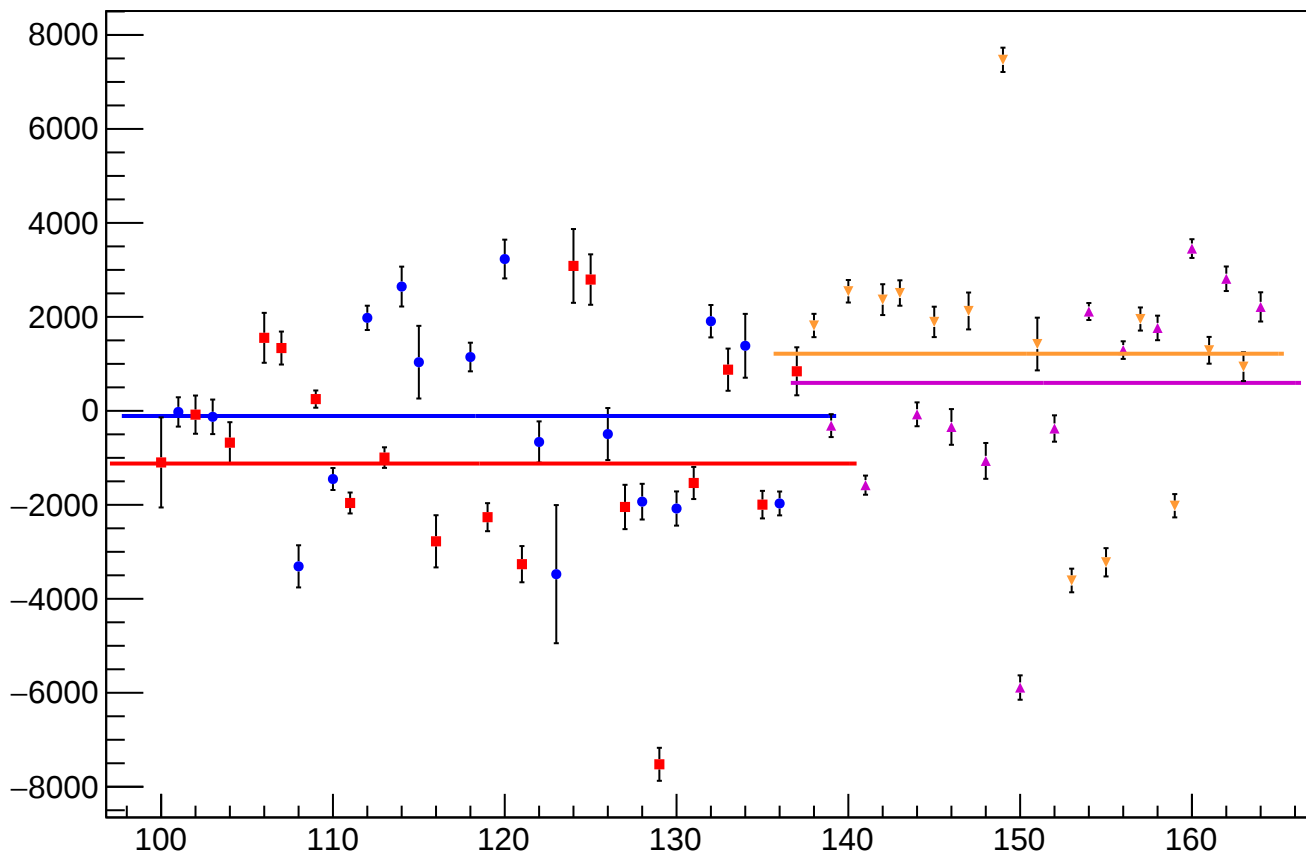
Right: 1.452+/-0.001 χ^2/NDF : 21689445.7/35

In: 1.535+/-0.001 χ^2/NDF : 30932118.6/29

Out: 1.522+/-0.001 χ^2/NDF : 31753848.0/32

All: 1.528+/-0.001 χ^2/NDF : 62686029.7/62

asym_bcm0l02_mean vs Slug, Sign Corrected



Left: 867.678 ± 50.314 χ^2/NDF : 2674.8/26

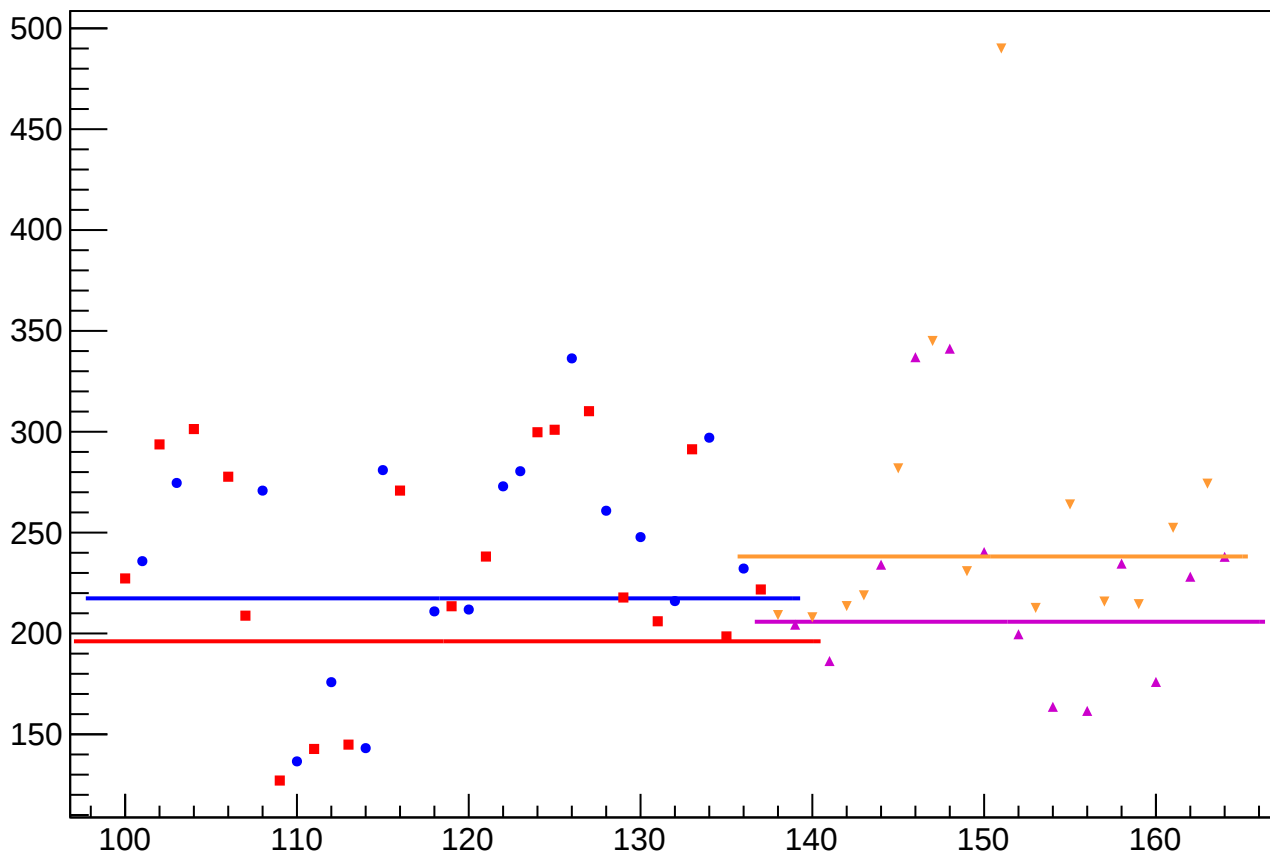
Right: -673.210 ± 58.525 χ^2/NDF : 1172.2/35

In: 335.772 ± 53.381 χ^2/NDF : 1674.5/29

Out: 84.441 ± 54.550 χ^2/NDF : 2560.2/32

All: 212.828 ± 38.153 χ^2/NDF : 4245.6/62

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 238.166+/-0.054 χ^2/NDF : 772538.5/13

Right Out: 196.112+/-0.055 χ^2/NDF : 1190862.3/18

Left In: 205.805+/-0.047 χ^2/NDF : 894869.8/12

Left: 220.005+/-0.036 χ^2/NDF : 1871157.0/26

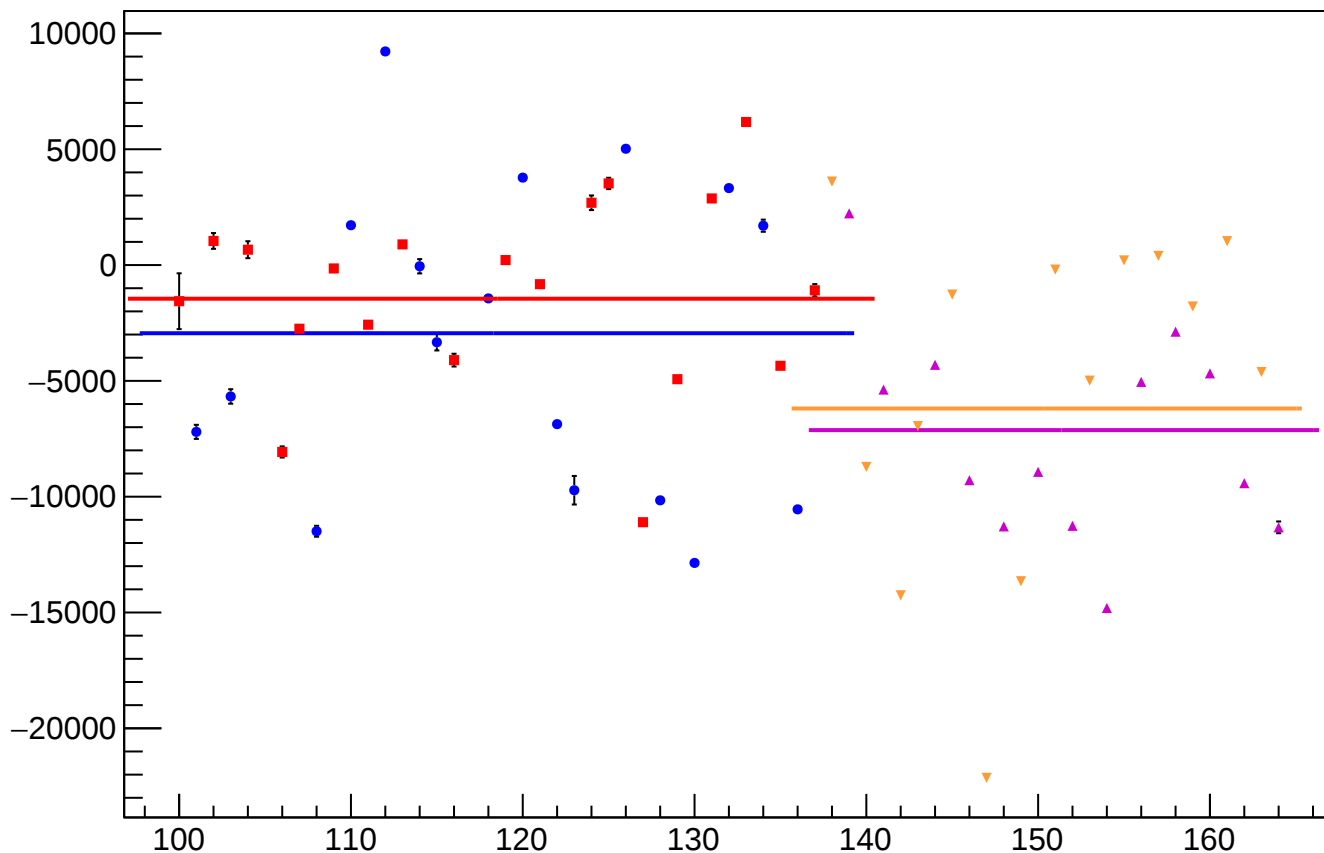
Right: 205.537+/-0.041 χ^2/NDF : 1908796.2/35

In: 210.076+/-0.038 χ^2/NDF : 1569467.4/29

Out: 217.804+/-0.039 χ^2/NDF : 2260262.1/32

All: 213.857+/-0.027 χ^2/NDF : 3850234.5/62

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -6193.139 ± 40.811 $\chi^2/\text{NDF}: 34018.7/13$

Right Out: -1453.116 ± 46.404 $\chi^2/\text{NDF}: 7996.0/18$

Left In: -7126.330 ± 41.765 $\chi^2/\text{NDF}: 11178.8/12$

Left: -6648.948 ± 29.189 $\chi^2/\text{NDF}: 45452.8/26$

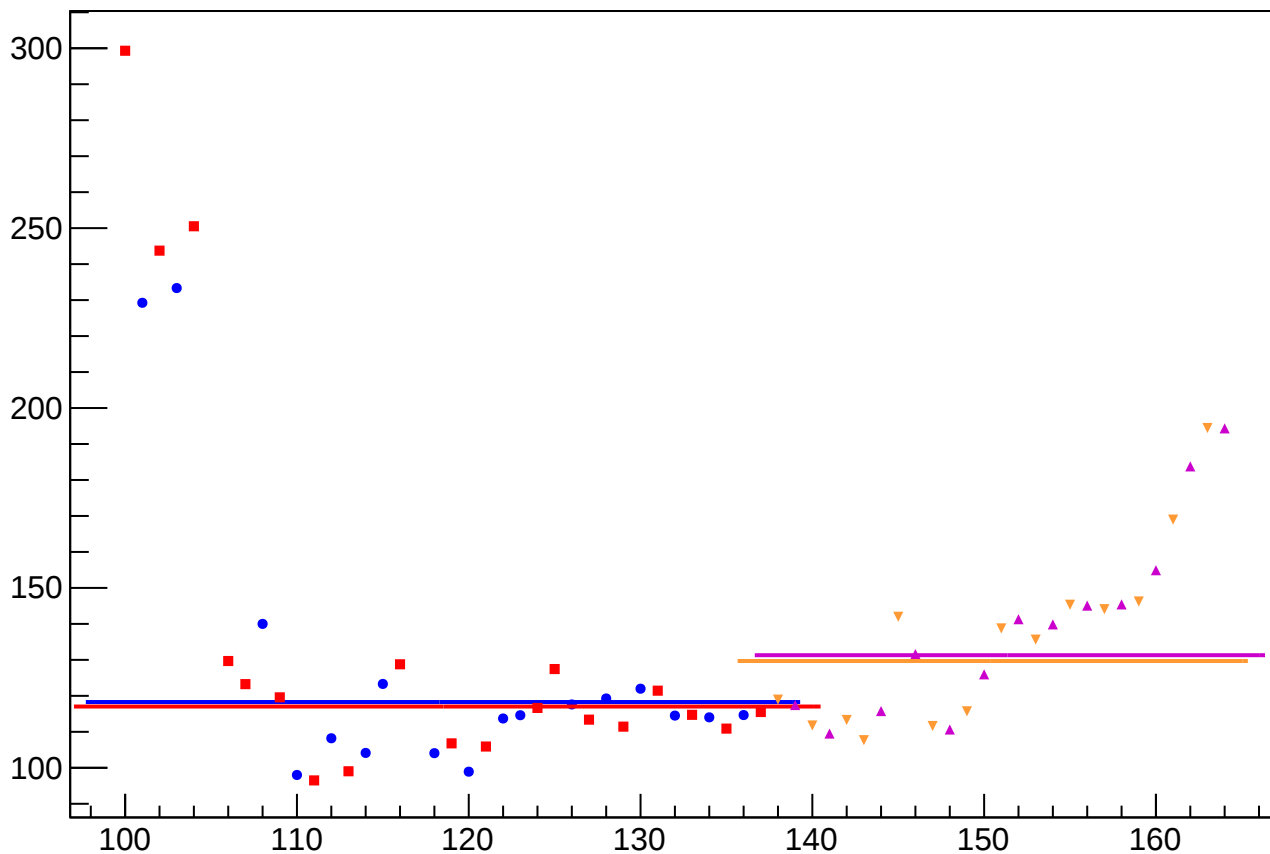
Right: -2163.502 ± 33.566 $\chi^2/\text{NDF}: 29397.3/35$

In: -5349.838 ± 31.679 $\chi^2/\text{NDF}: 36348.9/29$

Out: -4125.855 ± 30.645 $\chi^2/\text{NDF}: 47898.1/32$

All: -4717.546 ± 22.026 $\chi^2/\text{NDF}: 85018.2/62$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 129.689+/-0.029 χ^2/NDF : 523138.8/13

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

Left In: 131.300+/-0.030 χ^2/NDF : 499445.3/12

Left: 130.476+/-0.021 χ^2/NDF : 1024107.5/26

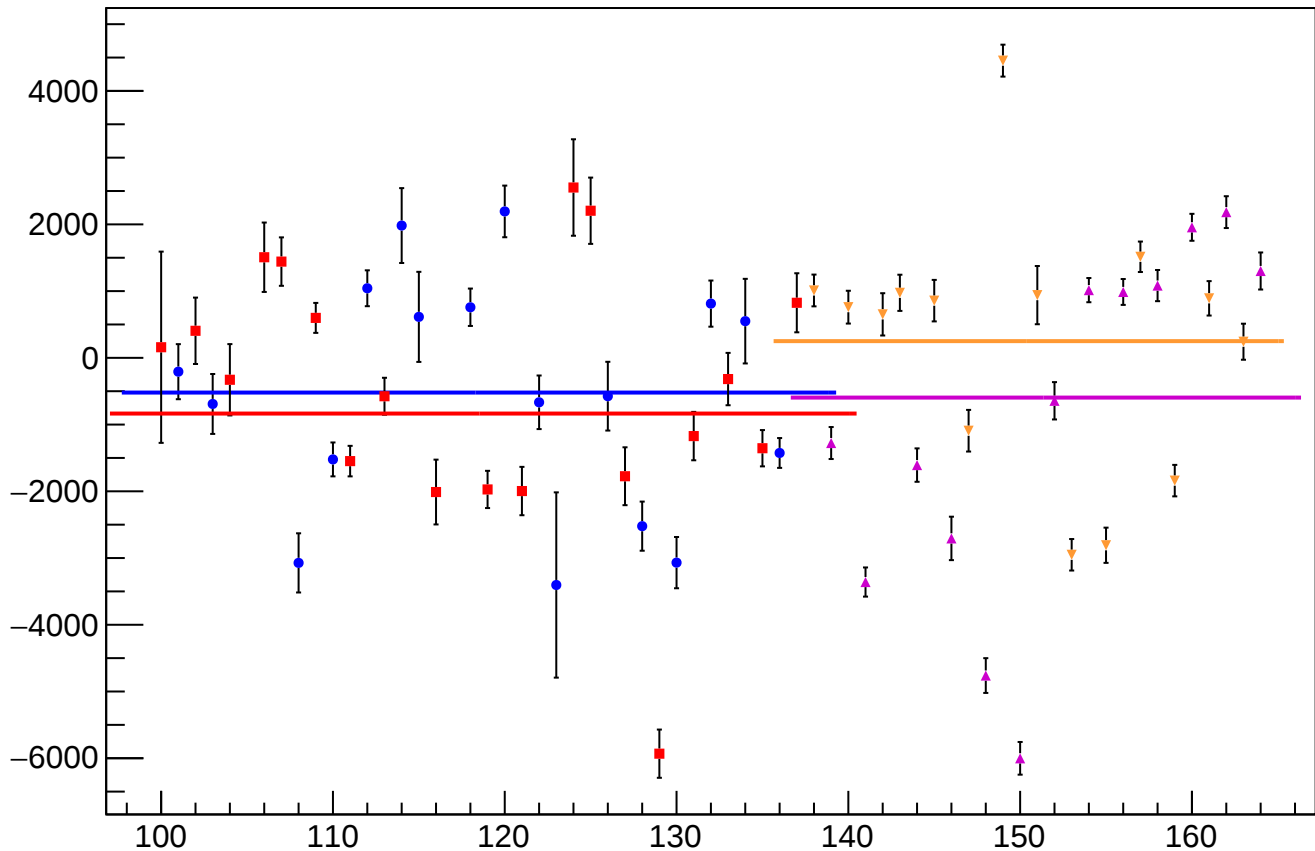
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 125.773+/-0.022 χ^2/NDF : 1218839.7/29

Out: 124.168+/-0.022 χ^2/NDF : 1297905.3/32

All: 124.944+/-0.016 χ^2/NDF : 2519396.5/62

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 250.353 ± 70.830 $\chi^2/\text{NDF}: 790.3/13$

Right Out: -834.834 ± 82.273 $\chi^2/\text{NDF}: 434.7/18$

Left In: -595.577 ± 64.774 $\chi^2/\text{NDF}: 1508.5/12$

Left: -210.320 ± 47.800 $\chi^2/\text{NDF}: 2376.5/26$

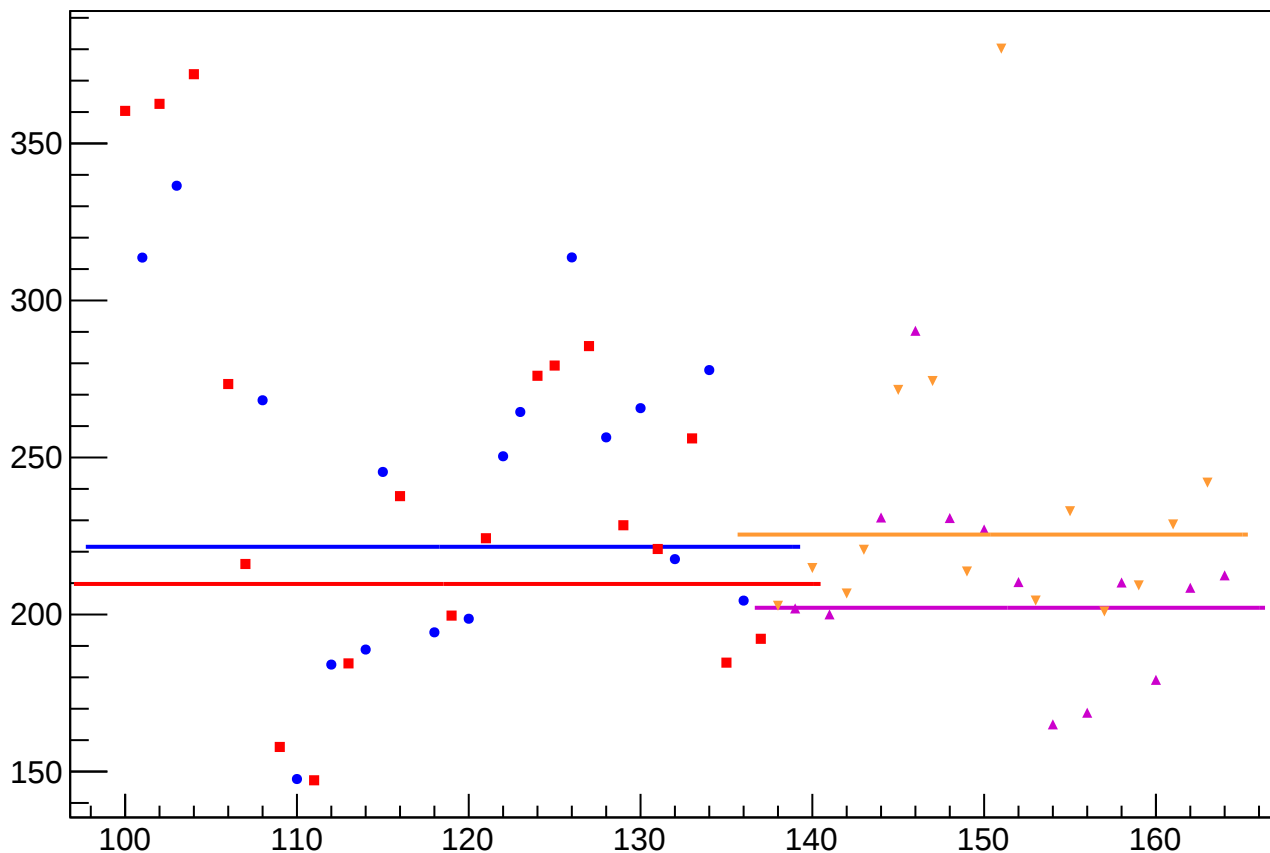
Right: -690.308 ± 60.489 $\chi^2/\text{NDF}: 729.5/35$

In: -569.591 ± 52.421 $\chi^2/\text{NDF}: 1797.1/29$

Out: -211.583 ± 53.678 $\chi^2/\text{NDF}: 1325.0/32$

All: -394.830 ± 37.504 $\chi^2/\text{NDF}: 3144.8/62$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 +/- 0.063 χ^2/NDF : 644941.4/16

Left Out: 225.461 +/- 0.050 χ^2/NDF : 436587.2/13

Right Out: 209.736 +/- 0.058 χ^2/NDF : 883922.1/18

Left In: 202.149 +/- 0.046 χ^2/NDF : 395527.4/12

Left: 212.766 +/- 0.034 χ^2/NDF : 950098.7/26

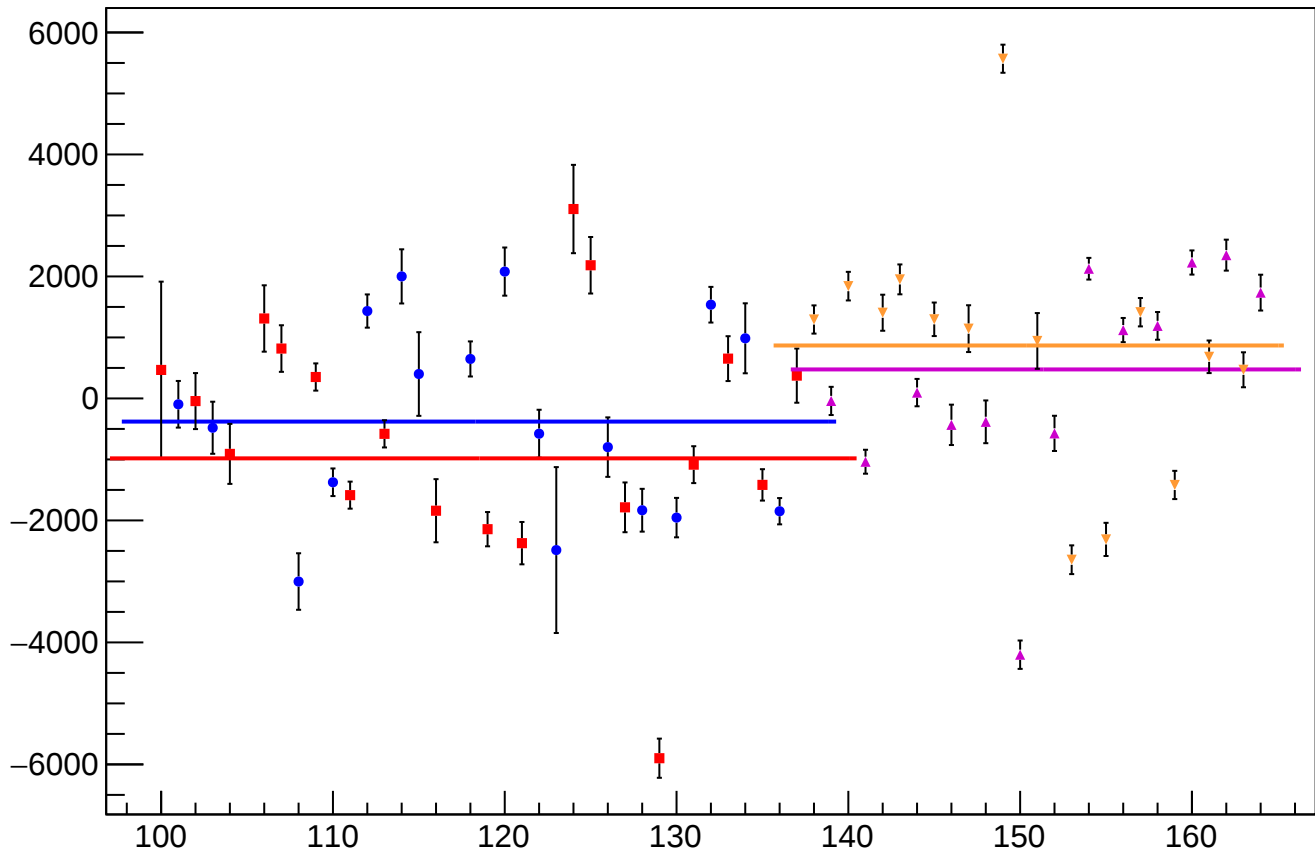
Right: 215.173 +/- 0.043 χ^2/NDF : 1547873.9/35

In: 208.850 +/- 0.037 χ^2/NDF : 1102507.1/29

Out: 218.767 +/- 0.038 χ^2/NDF : 1362471.0/32

All: 213.691 +/- 0.027 χ^2/NDF : 2499922.4/62

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 868.126 ± 70.096 χ^2/NDF : 927.7/13

Right Out: -982.539 ± 77.724 χ^2/NDF : 476.3/18

Left In: 475.411 ± 64.376 χ^2/NDF : 756.1/12

Left: 655.095 ± 47.414 χ^2/NDF : 1700.8/26

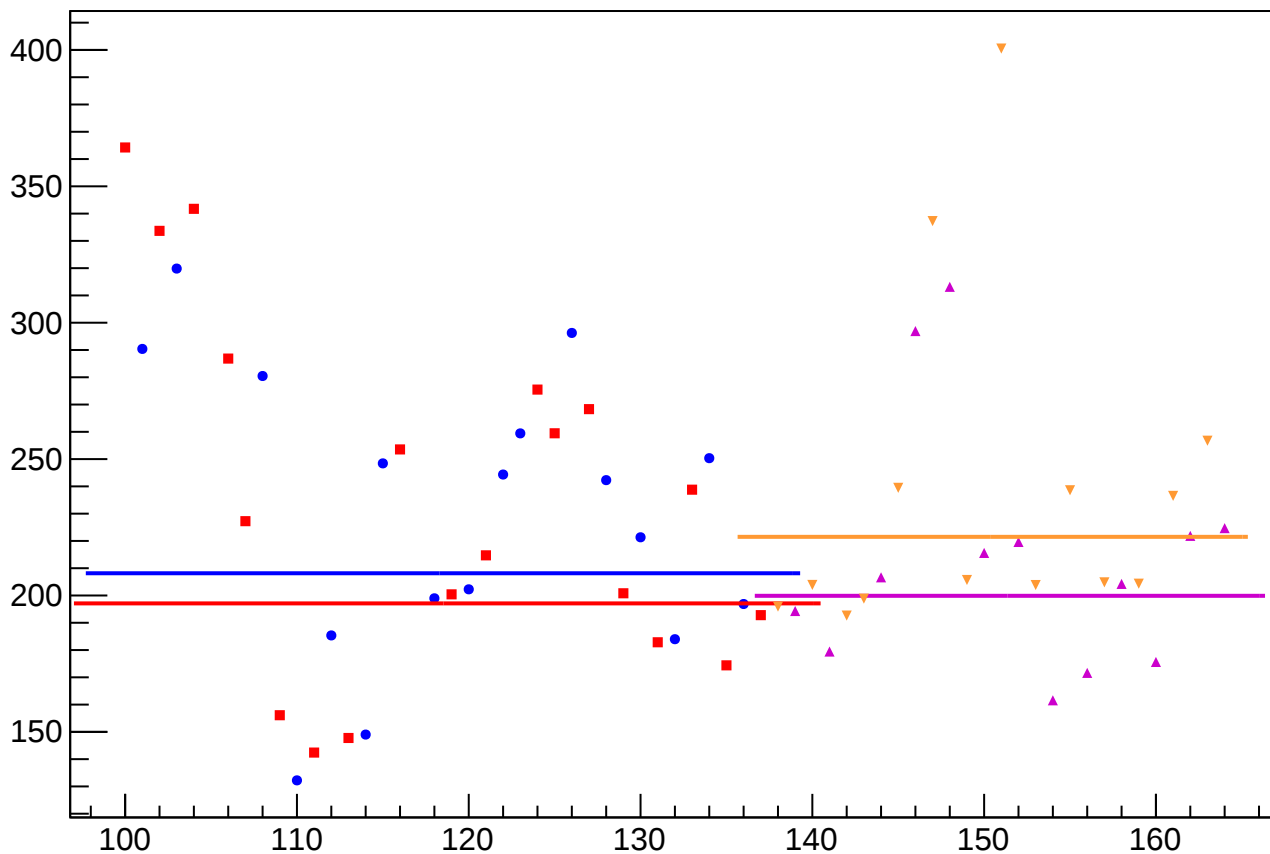
Right: -705.376 ± 57.130 χ^2/NDF : 821.1/35

In: 160.255 ± 51.155 χ^2/NDF : 1138.3/29

Out: 38.051 ± 52.054 χ^2/NDF : 1716.6/32

All: 100.217 ± 36.486 χ^2/NDF : 2857.7/62

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 221.503+/-0.050 χ^2/NDF : 655704.2/13

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

Left In: 199.885+/-0.046 χ^2/NDF : 617397.7/12

Left: 209.776+/-0.034 χ^2/NDF : 1376298.3/26

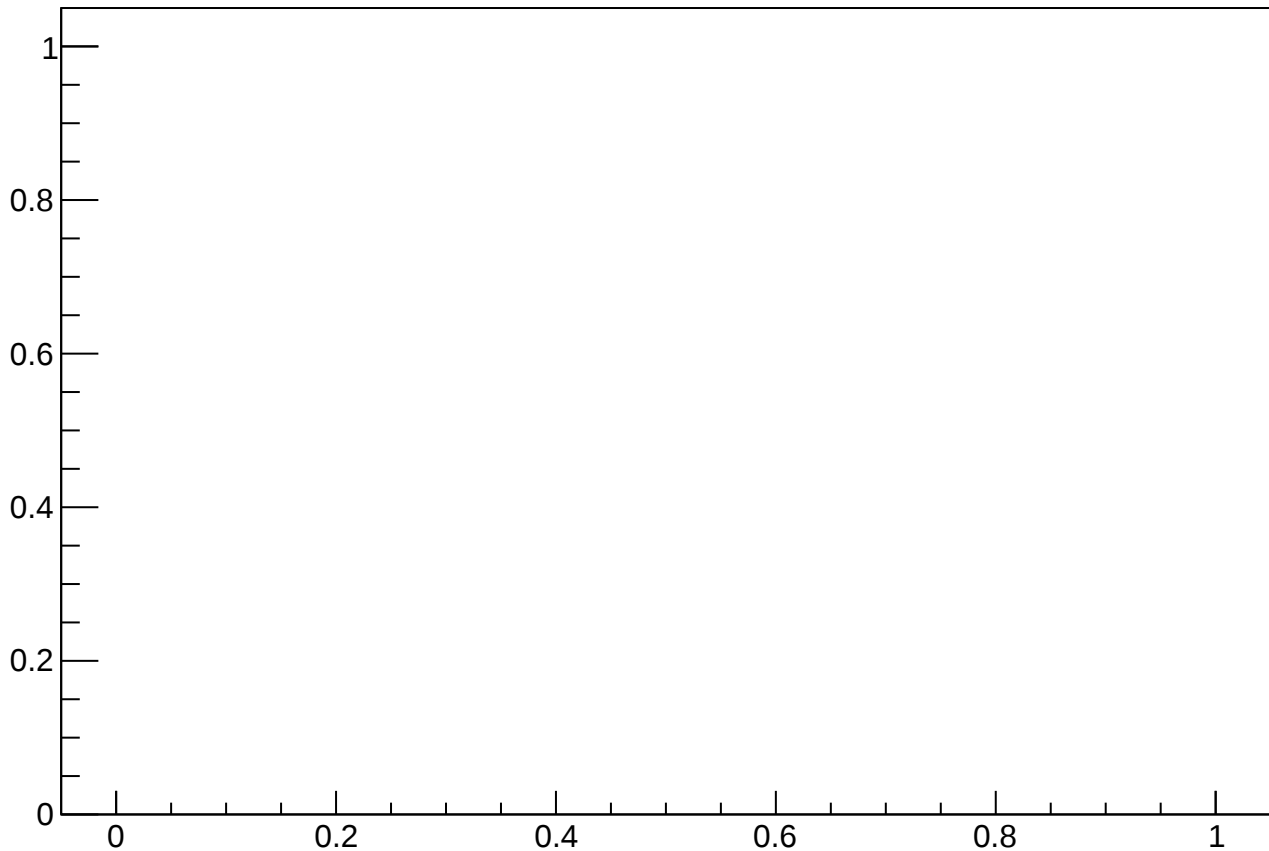
Right: 202.182+/-0.040 χ^2/NDF : 1644129.7/35

In: 202.931+/-0.036 χ^2/NDF : 1328635.9/29

Out: 210.559+/-0.037 χ^2/NDF : 1690874.3/32

All: 206.679+/-0.026 χ^2/NDF : 3041355.1/62

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

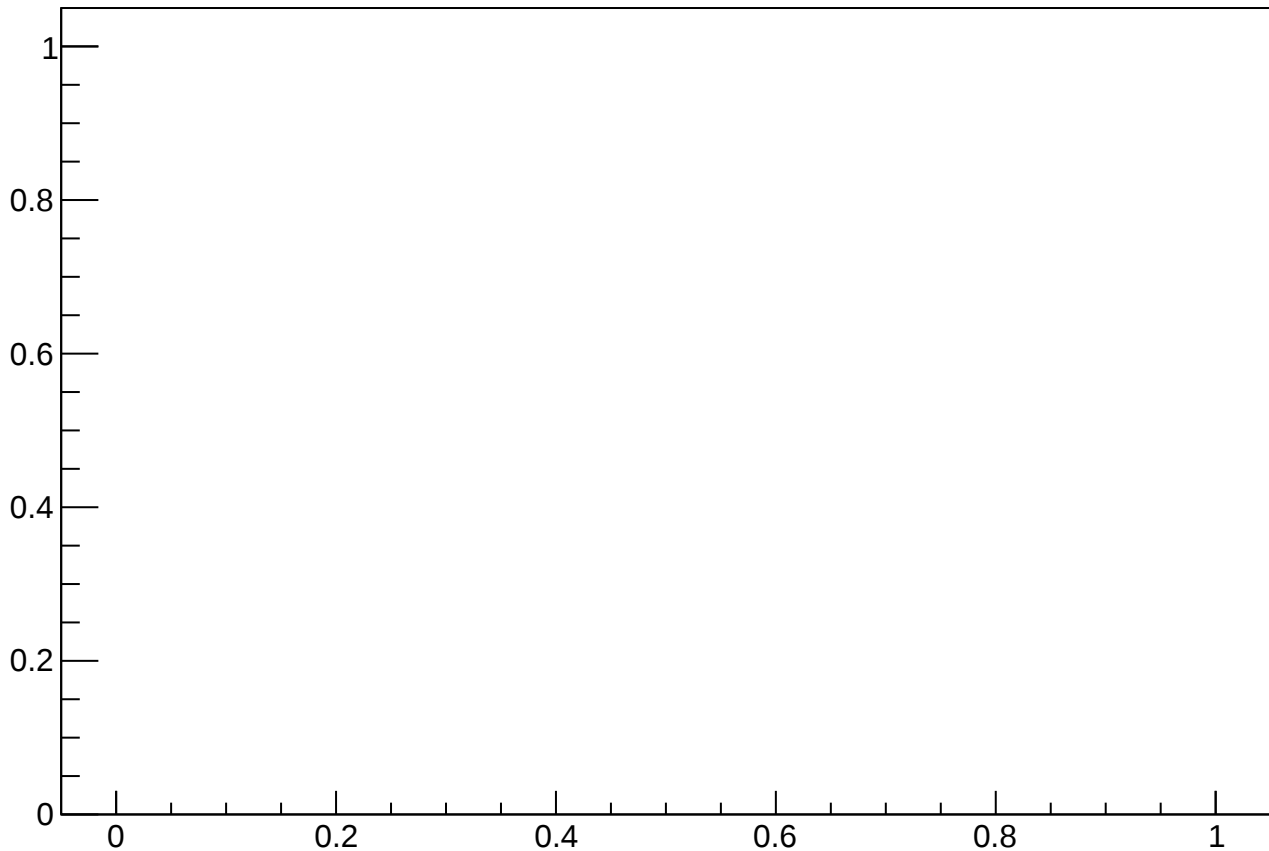
bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

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

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

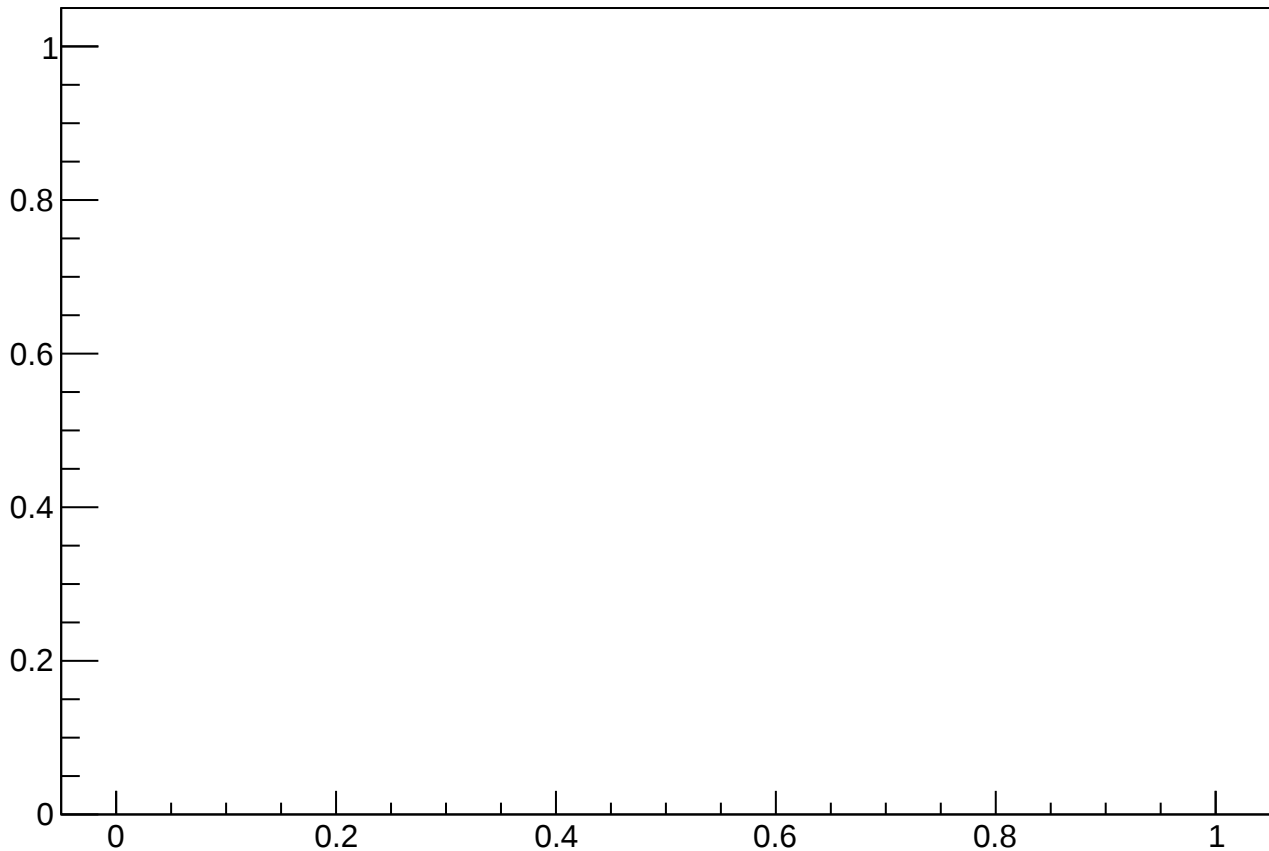
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

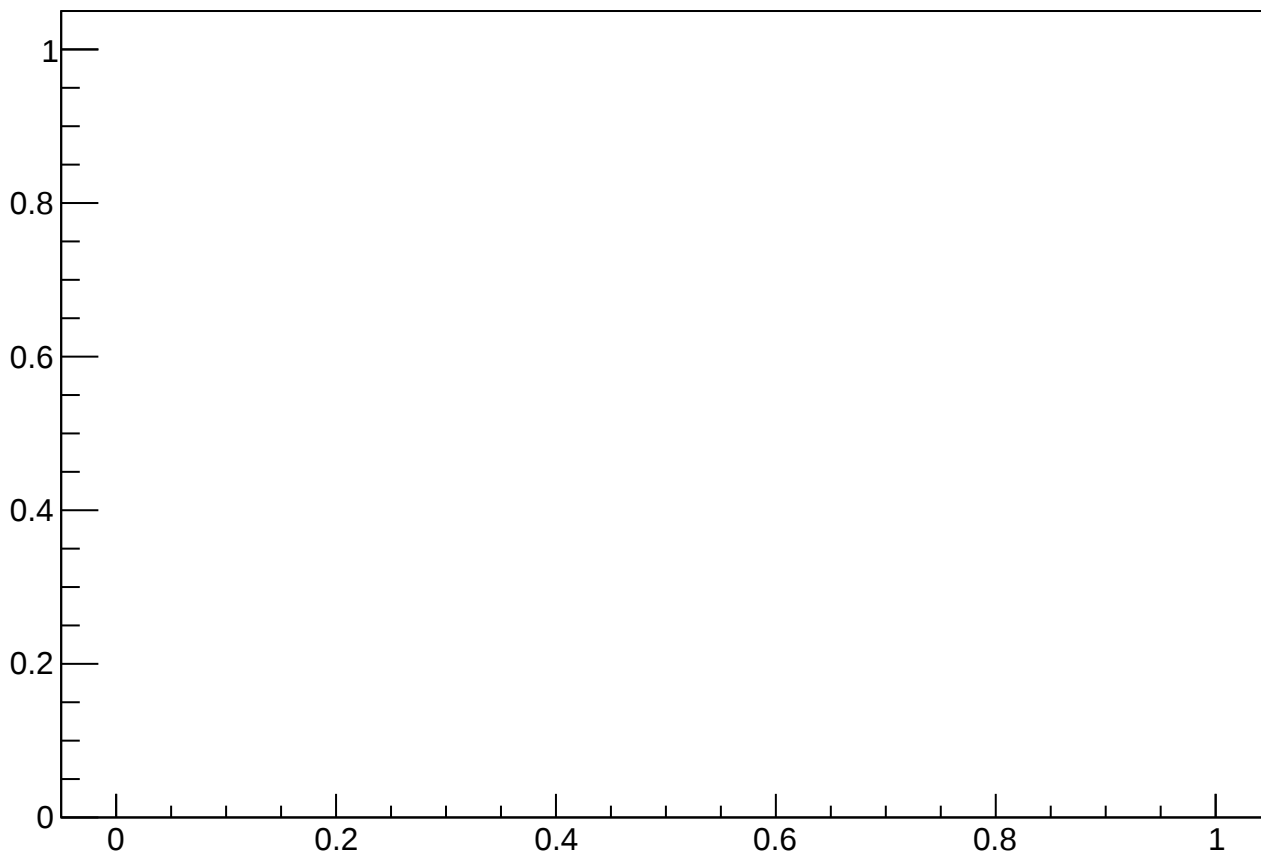
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

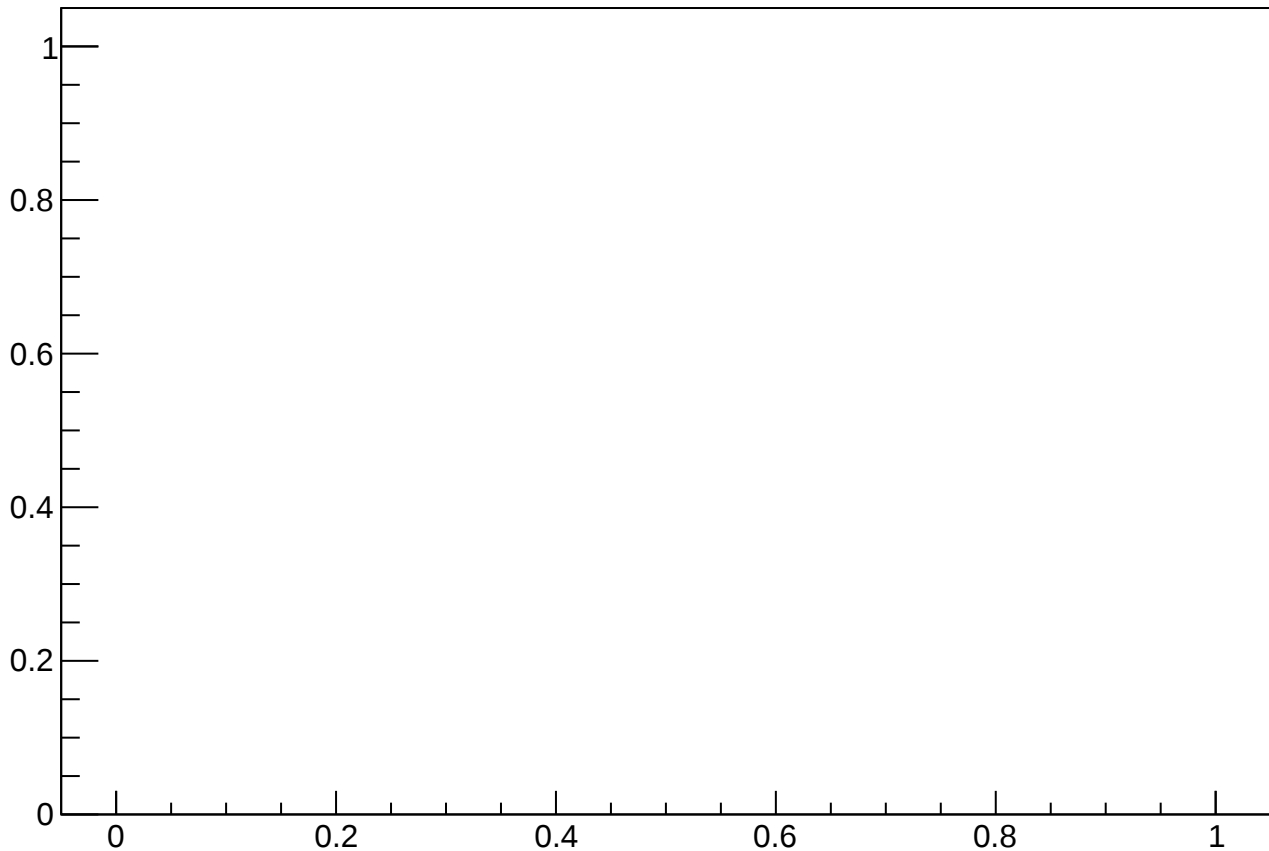
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

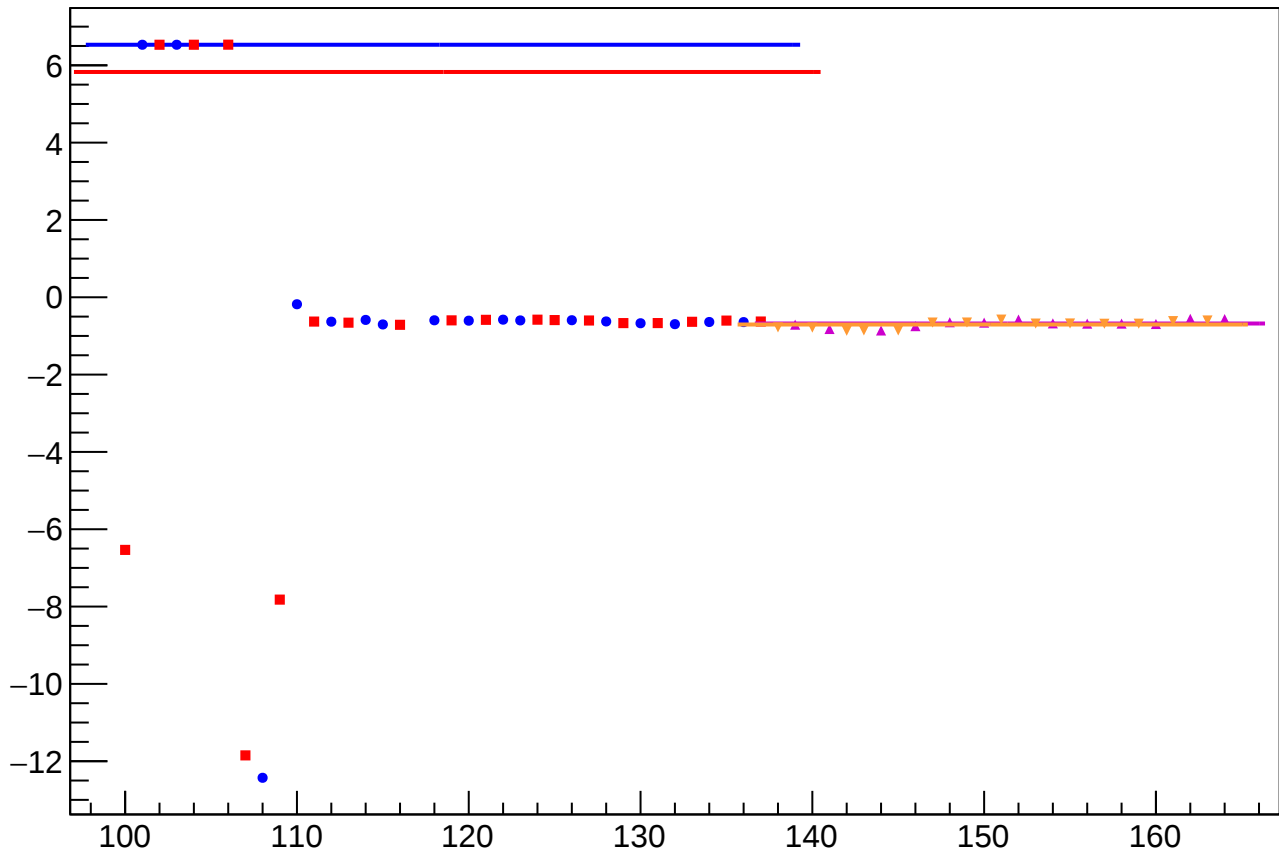
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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: -0.705 +/- 0.000 χ^2/NDF : 95059945.4/13

Right Out: 5.827 +/- 0.000 χ^2/NDF : 755963218053643.4/18

Left In: -0.679 +/- 0.000 χ^2/NDF : 84932621.4/12

Left: -0.692 +/- 0.000 χ^2/NDF : 183227472.6/26

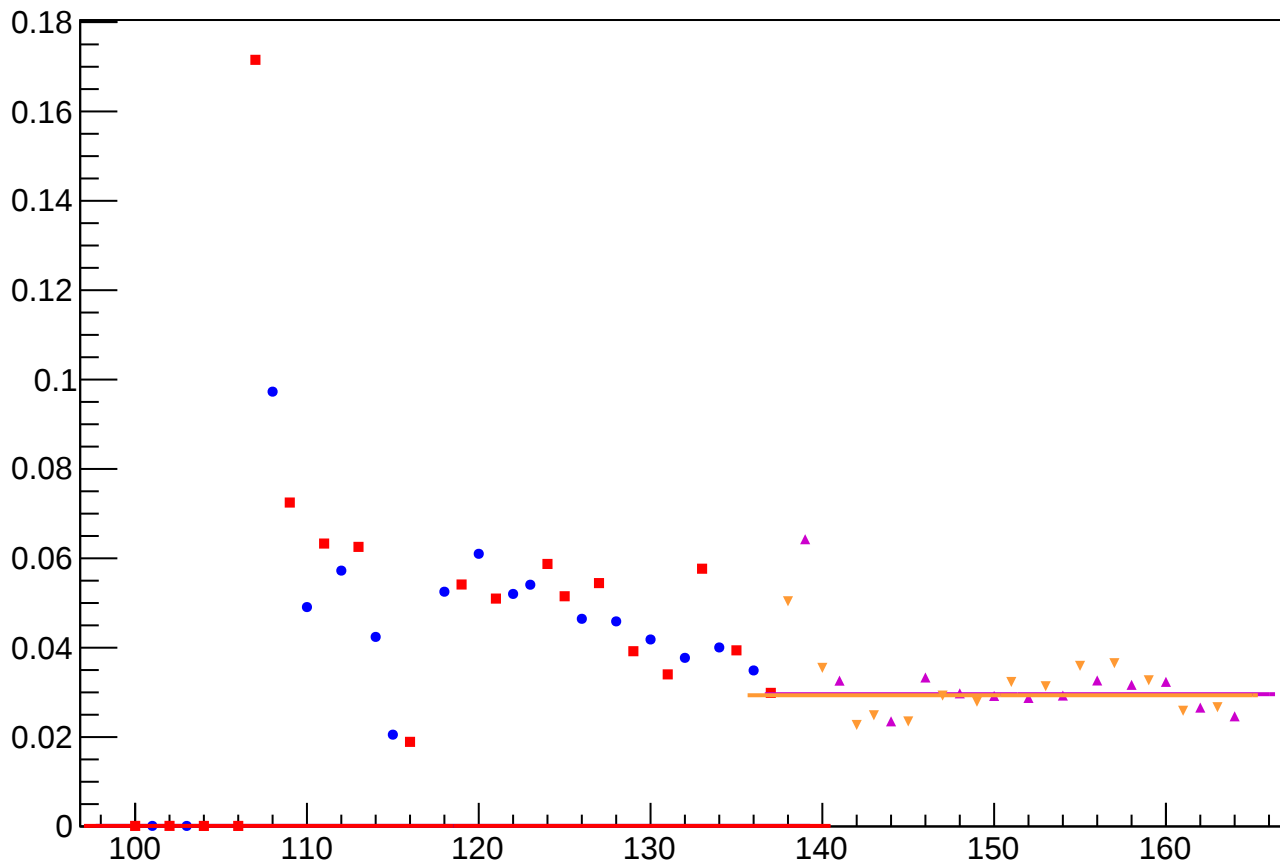
Right: 6.155 +/- 0.000 χ^2/NDF : 776094576922584.5/26

In: 6.531 +/- 0.000 χ^2/NDF : 615819062263.1/29

Out: 5.827 +/- 0.000 χ^2/NDF : 756374851259640.5/30

All: 6.154 +/- 0.000 χ^2/NDF : 77698735399824.6/26

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029 +/- 0.000 χ^2/NDF : 563909.3/13

Right Out: 0.000 +/- 0.000 χ^2/NDF : 9349631.9/18

Left In: 0.030 +/- 0.000 χ^2/NDF : 602541.1/12

Left: 0.029 +/- 0.000 χ^2/NDF : 1166983.3/26

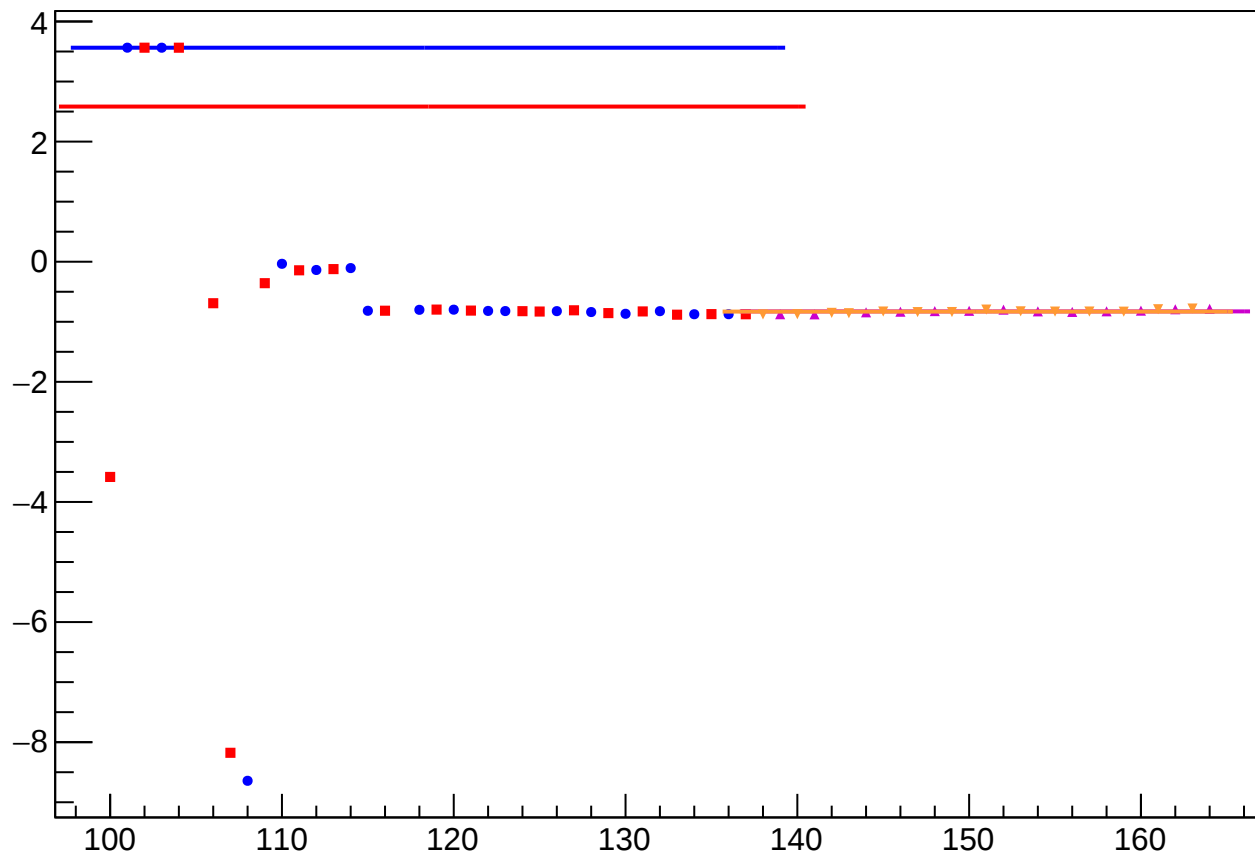
Right: 0.000 +/- 0.000 χ^2/NDF : 18237948.0/35

In: 0.000 +/- 0.000 χ^2/NDF : 25813738.7/29

Out: 0.000 +/- 0.000 χ^2/NDF : 26401891.4/32

All: 0.000 +/- 0.000 χ^2/NDF : 52216010.3/62

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.830+/-0.000 χ^2/NDF : 103712253.0/13

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.827+/-0.000 χ^2/NDF : 91453683.3/12

Left: -0.829+/-0.000 χ^2/NDF : 195561349.2/26

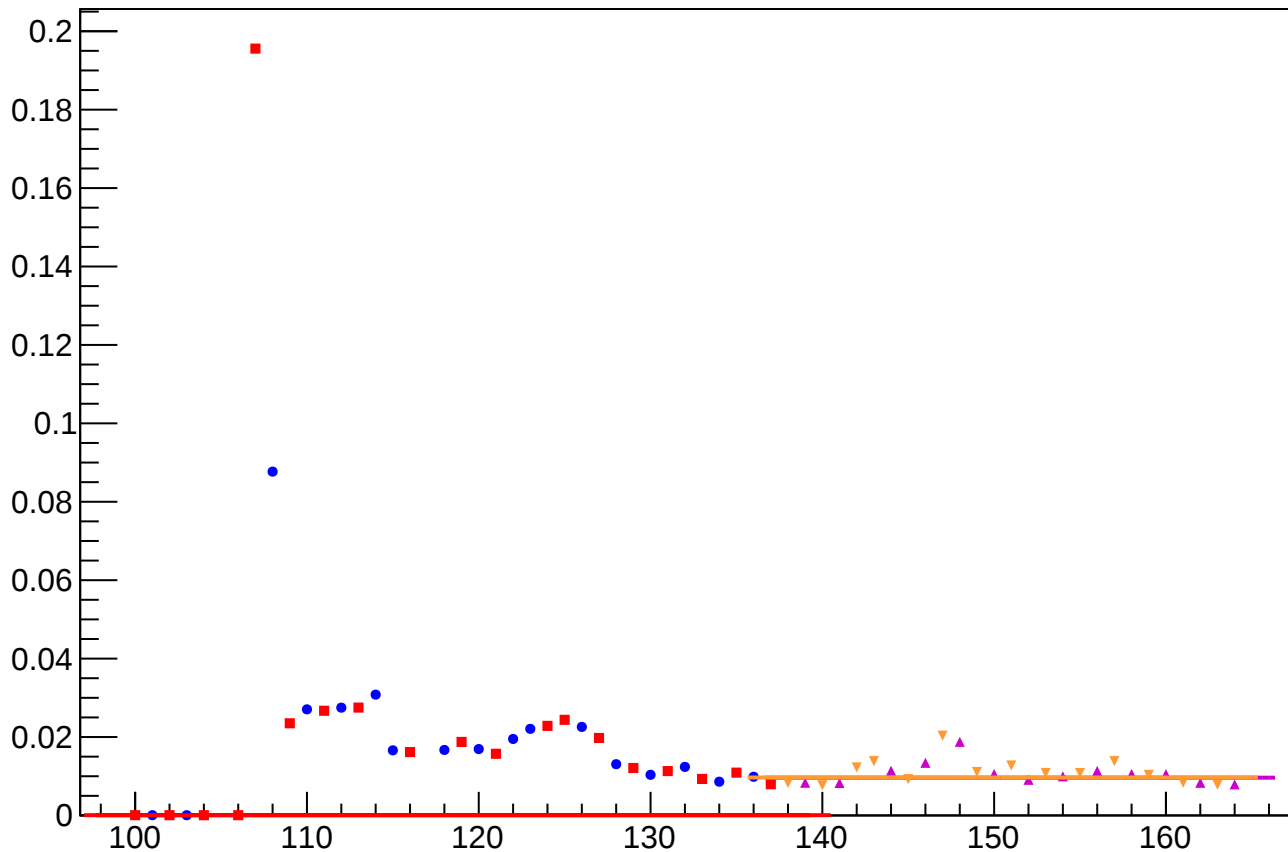
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.7

In: 3.562+/-0.000 χ^2/NDF : 2152764557233.2/29

Out: 2.582+/-0.000 χ^2/NDF : 1254505387262875.8

All: 3.039+/-0.000 χ^2/NDF : 13848413097521.0

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 : 969753.6/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

Left In: 0.010+/-0.000 χ^2/NDF : 671883.9/12

Left: 0.010+/-0.000 χ^2/NDF : 1641812.3/26

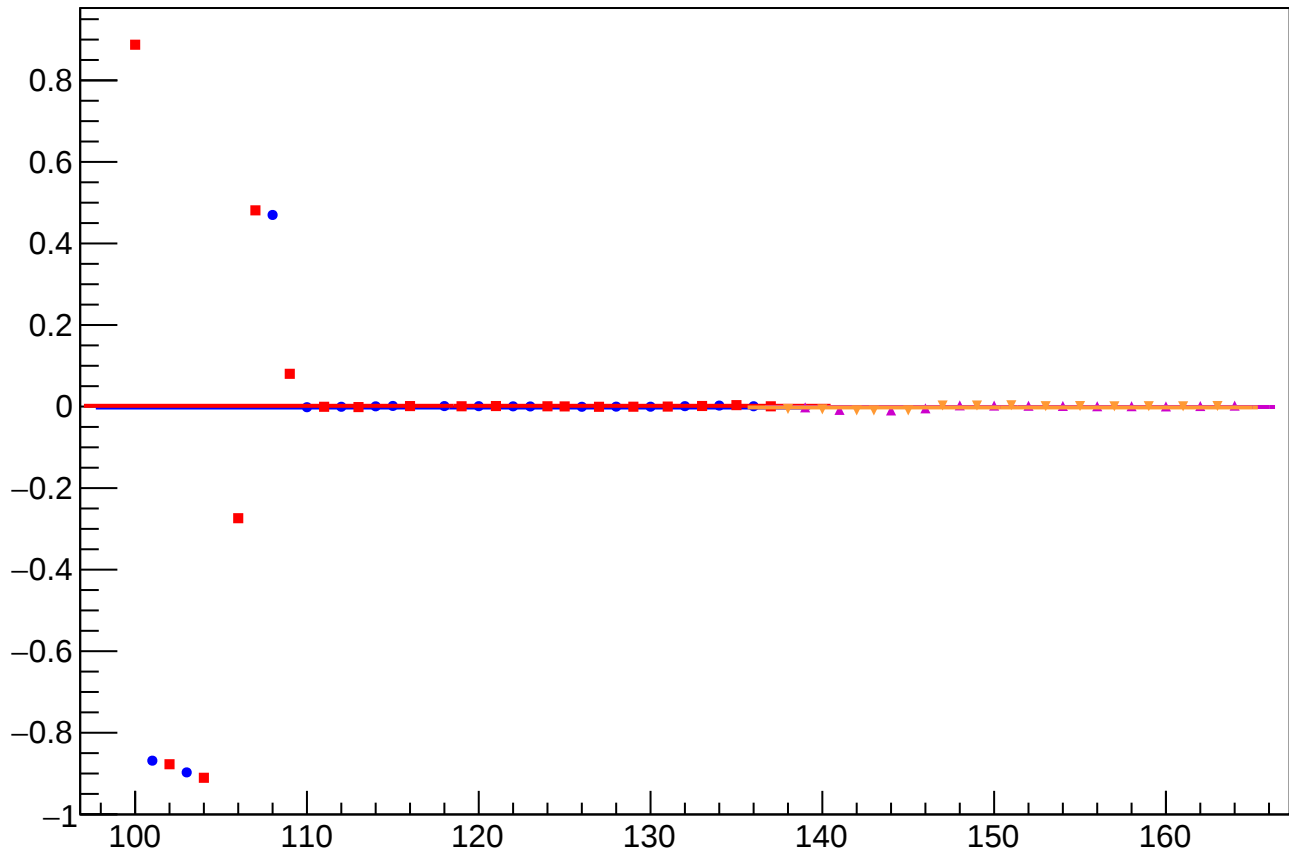
Right: 0.000+/-0.000 χ^2/NDF : 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF : 26255499.3/29

Out: 0.000+/-0.000 χ^2/NDF : 26734128.9/32

All: 0.000+/-0.000 χ^2/NDF : 52990180.3/62

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.002+/-0.000 χ^2/NDF : 86033337.1/13

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

Left In: -0.001+/-0.000 χ^2/NDF : 63462106.6/12

Left: -0.002+/-0.000 χ^2/NDF : 151490355.3/26

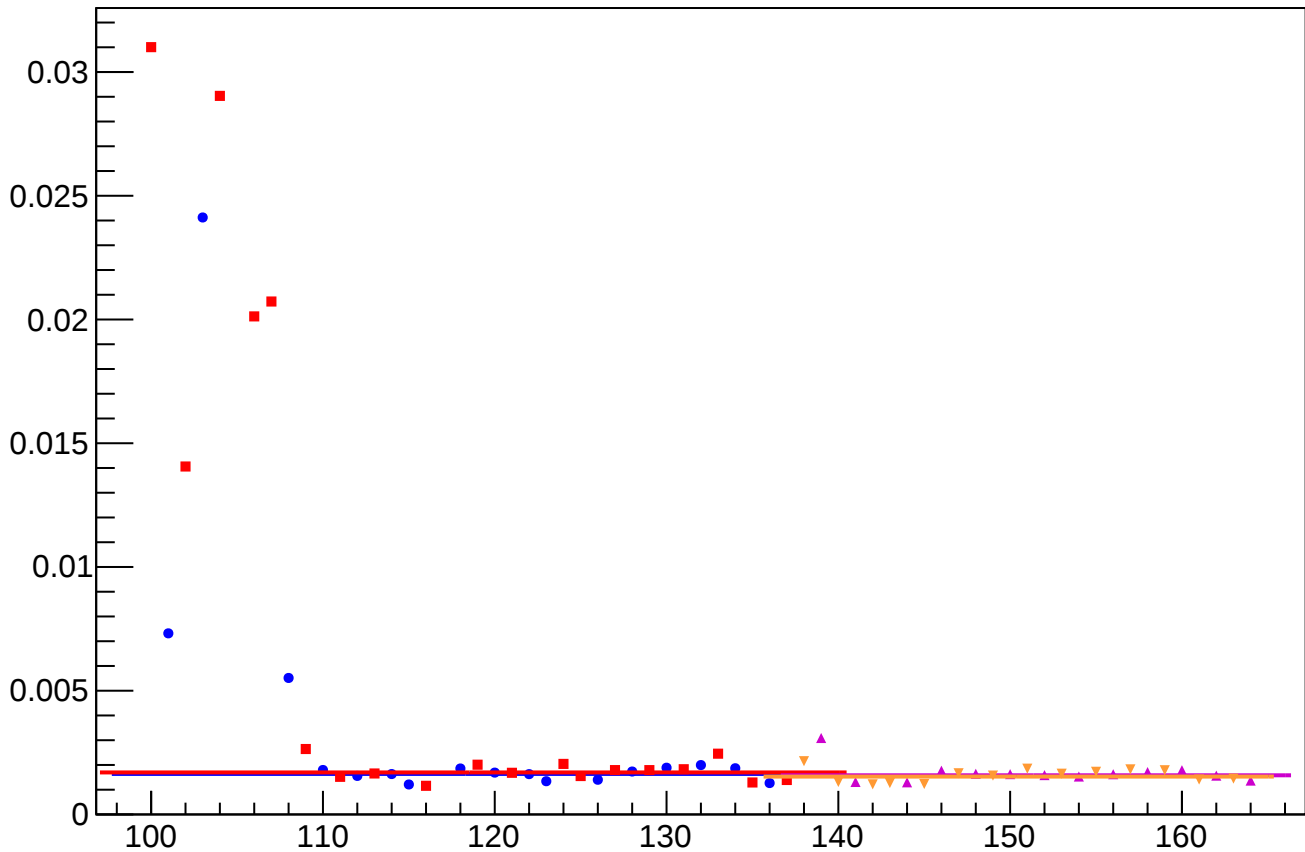
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF : 9860178322.3/29

Out: -0.001+/-0.000 χ^2/NDF : 3144466957.3/32

All: -0.001+/-0.000 χ^2/NDF : 13005454692.3/66

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.002+/-0.000 χ^2/NDF : 418913.7/13

Right Out: 0.002+/-0.000 χ^2/NDF : 3023899.0/18

Left In: 0.002+/-0.000 χ^2/NDF : 520832.8/12

Left: 0.002+/-0.000 χ^2/NDF : 948987.9/26

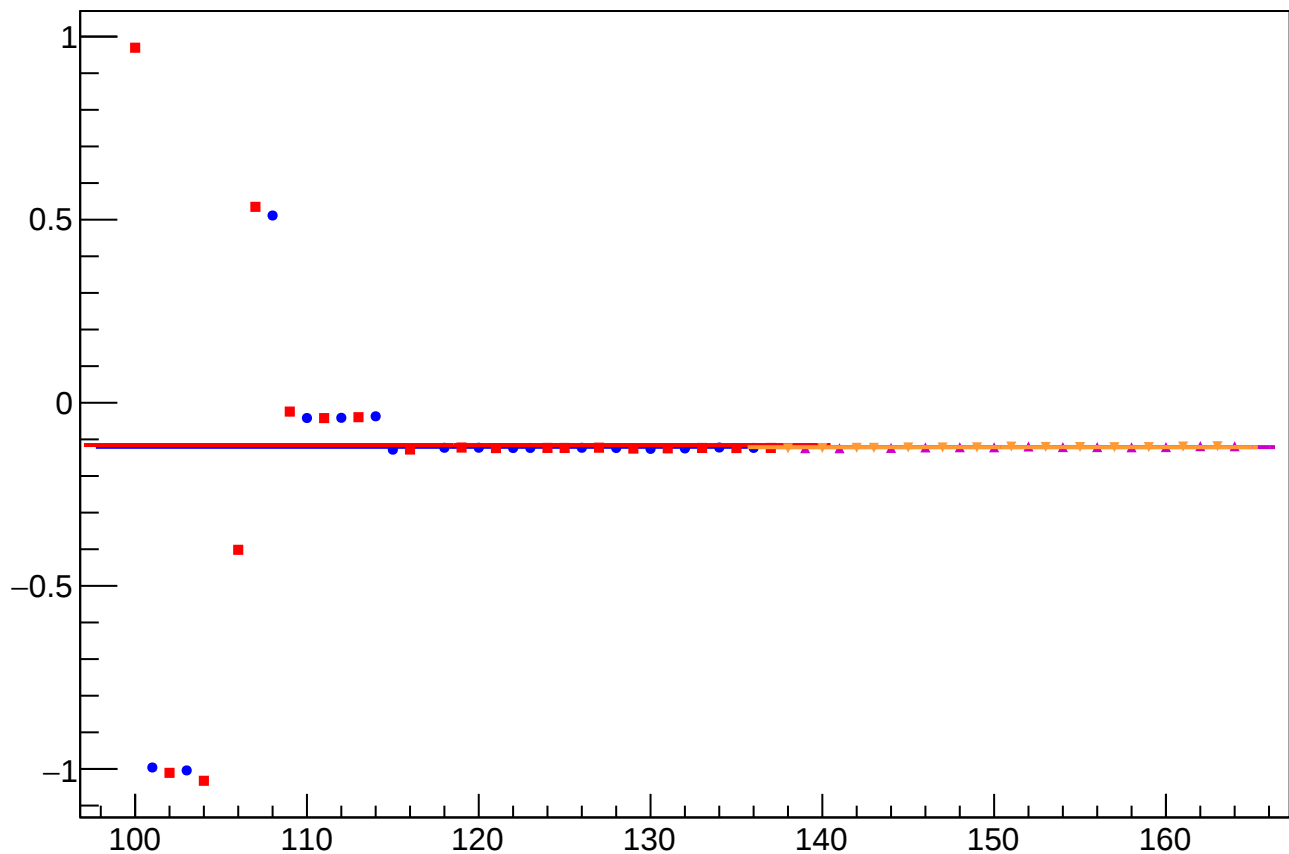
Right: 0.002+/-0.000 χ^2/NDF : 4945998.5/35

In: 0.002+/-0.000 χ^2/NDF : 2444047.2/29

Out: 0.002+/-0.000 χ^2/NDF : 3503164.3/32

All: 0.002+/-0.000 χ^2/NDF : 5949170.3/62

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.121+/-0.000 χ^2/NDF : 20832786.1/13

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

Left In: -0.121+/-0.000 χ^2/NDF : 24221900.9/12

Left: -0.121+/-0.000 χ^2/NDF : 45226451.3/26

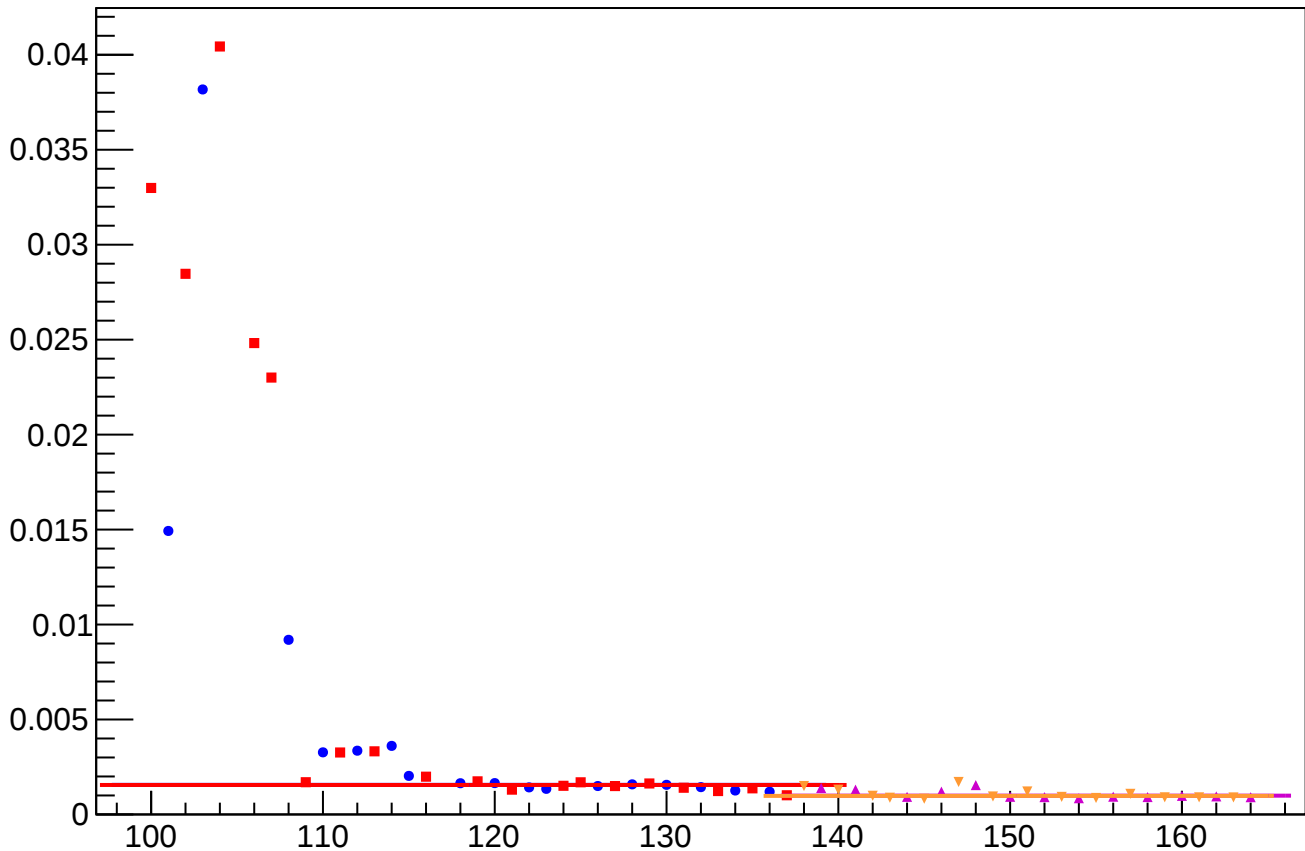
Right: -0.118+/-0.000 χ^2/NDF : 6411653427.4/35

In: -0.121+/-0.000 χ^2/NDF : 3957254036.3/29

Out: -0.120+/-0.000 χ^2/NDF : 2532063764.4/32

All: -0.121+/-0.000 χ^2/NDF : 6491529745.8/6

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:711713.4/13

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:528093.1/12

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 1241244.7/26

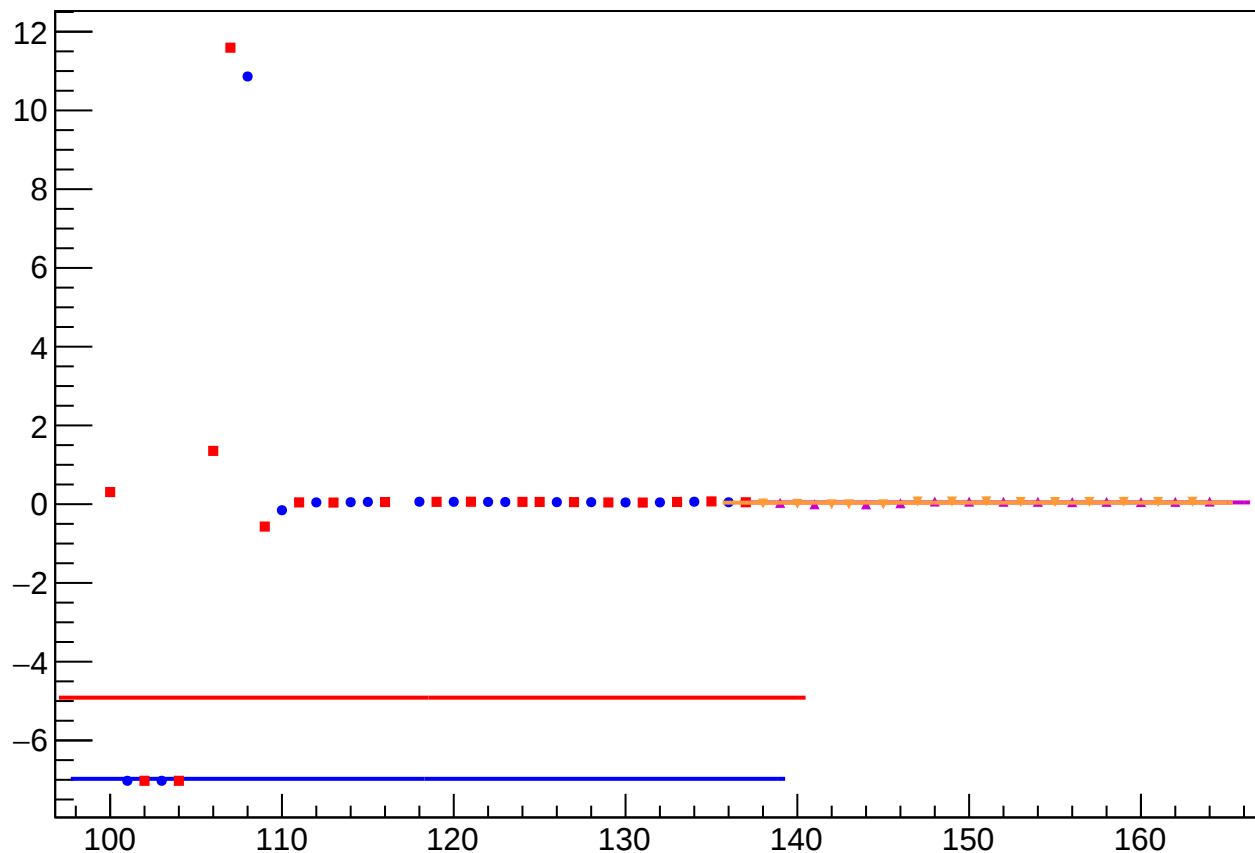
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 6440590.7/35

In: 0.001 $\pm$ 0.000 χ^2 /NDF:4443618.9/29

Out: 0.001 $\pm$ 0.000 χ^2 /NDF:5304254.1/32

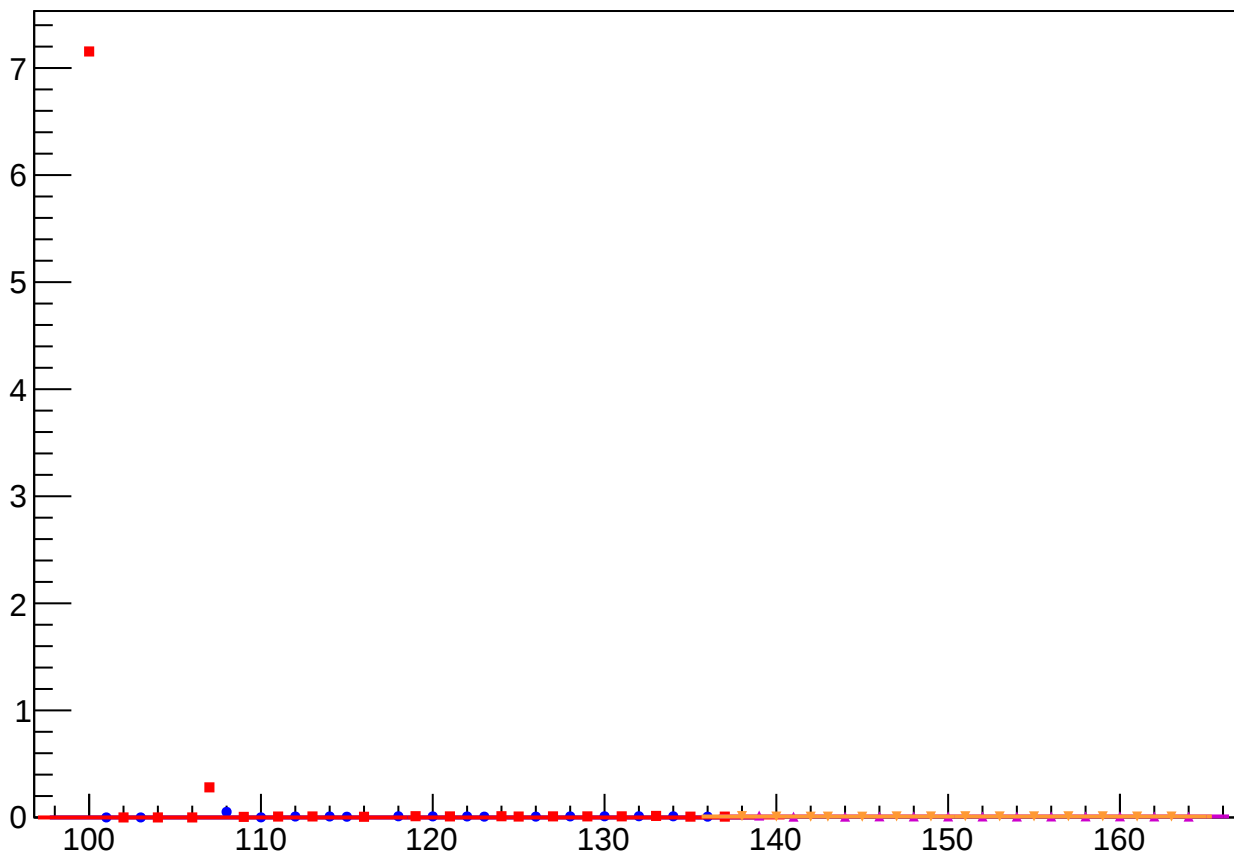
All: 0.001 $\pm$ 0.000 χ^2 /NDF: 9749899.6/62

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8749579700722.8/16$ Left: 0.041 ± 0.000 $\chi^2/\text{NDF}: 160055375.6/26$
 Left Out: 0.039 ± 0.000 $\chi^2/\text{NDF}: 87752169.4/13$ Right: -5.900 ± 0.000 $\chi^2/\text{NDF}: 430307691650468.6$
 Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365358092730279.9/18$ In: -6.949 ± 0.000 $\chi^2/\text{NDF}: 13410515803934.7/29$
 Left In: 0.044 ± 0.000 $\chi^2/\text{NDF}: 70645161.4/12$ Out: -4.896 ± 0.000 $\chi^2/\text{NDF}: 367843975217767.5/18$
 All: -5.878 ± 0.000 $\chi^2/\text{NDF}: 4372242952043.7/16$

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 : 412753.8/13

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF : 515080.3/12

Left: 0.009+/-0.000 χ^2/NDF : 936515.8/26

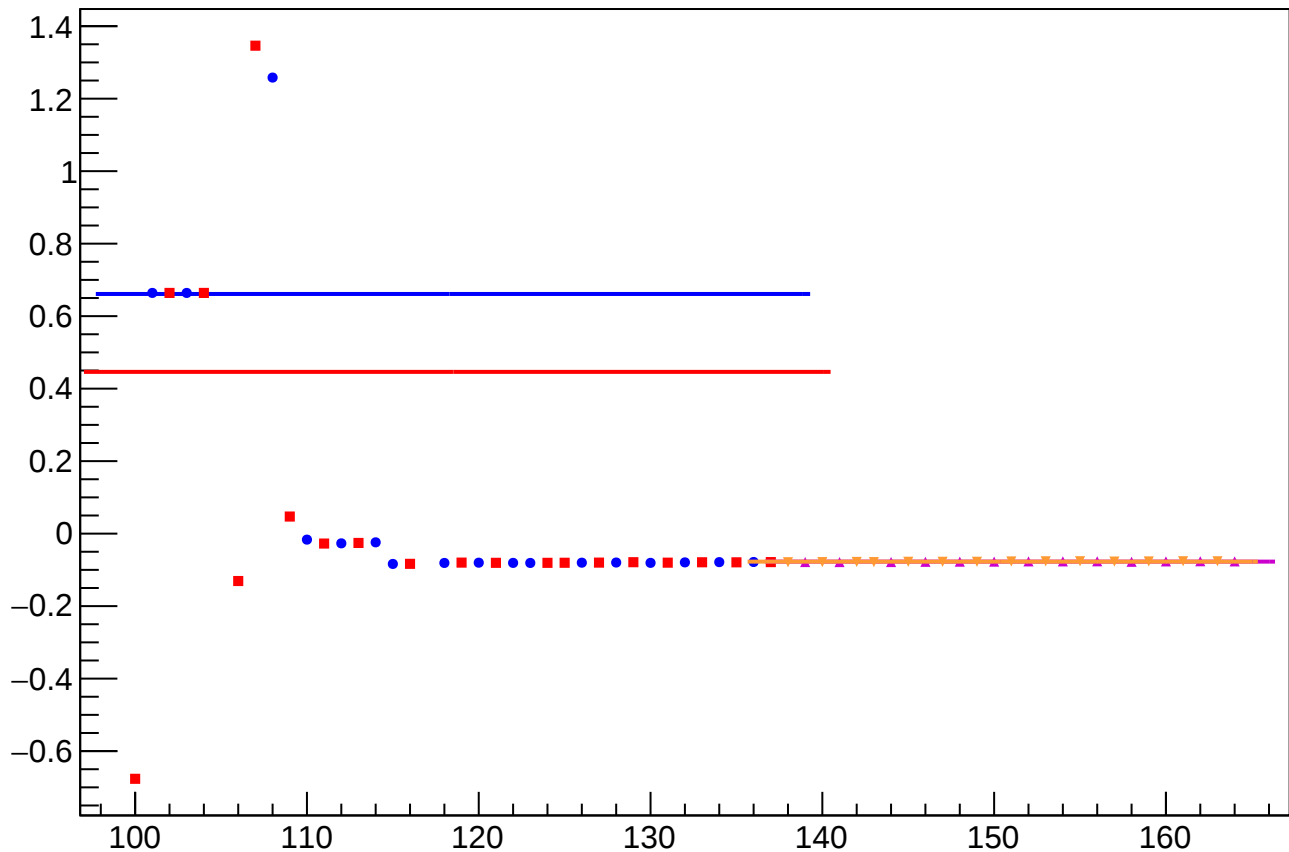
Right: 0.000+/-0.000 χ^2/NDF : 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF : 24568518.7/29

Out: 0.000+/-0.000 χ^2/NDF : 25057115.4/32

All: 0.000+/-0.000 χ^2/NDF : 49626290.7/62

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000

χ^2/NDF : 5607525081216.0/16

Left: -0.077+/-0.000

χ^2/NDF : 45738728.9/26

Left Out: -0.077+/-0.000

χ^2/NDF : 26168436.6/13

Right: 0.549+/-0.000

χ^2/NDF : 473947475230218.3/

Right Out: 0.446+/-0.000

χ^2/NDF : 405416924315199.0/18

In: 0.653+/-0.000

χ^2/NDF : 21661663230206.1/29

Out: 0.441+/-0.000

χ^2/NDF : 413680849212749.3/3

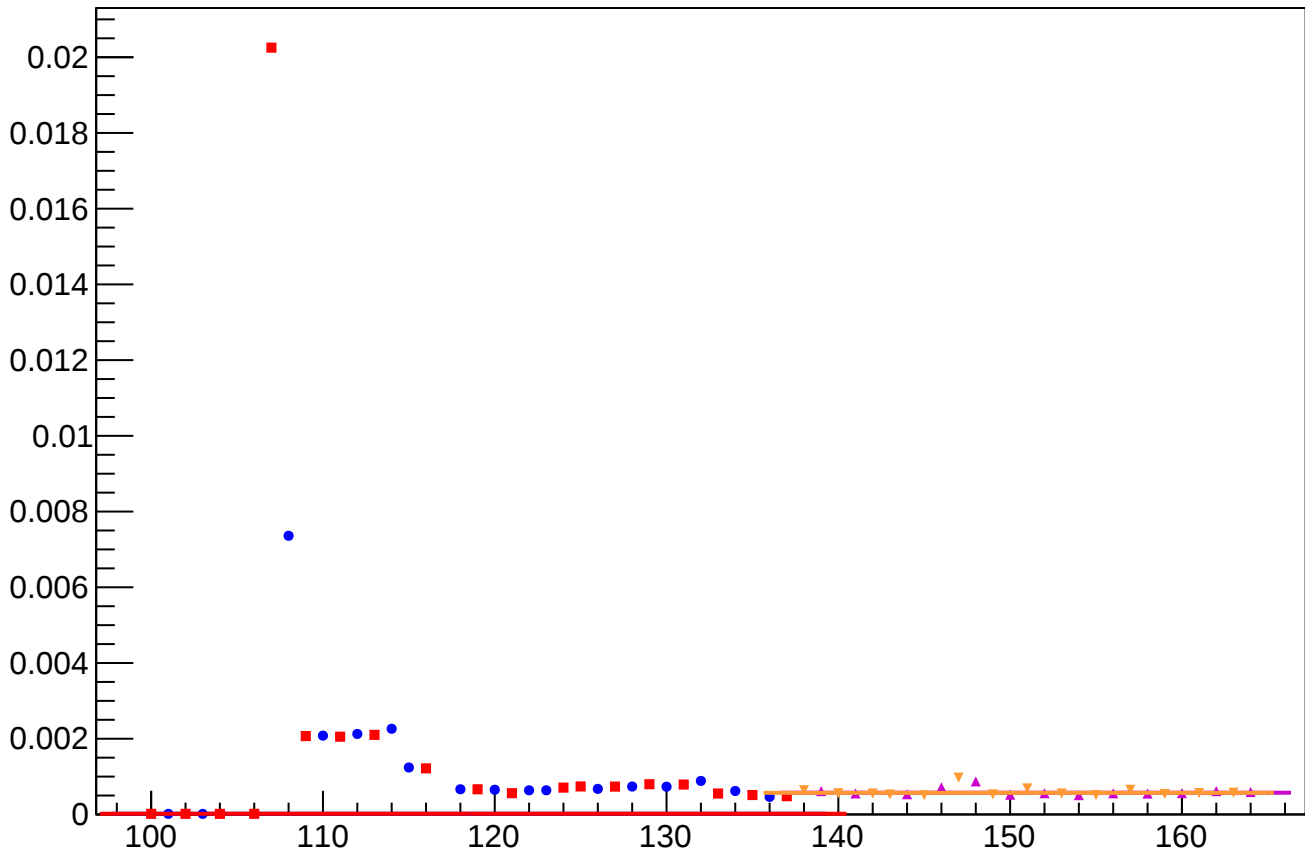
Left In: -0.077+/-0.000

χ^2/NDF : 19563499.4/12

All: 0.542+/-0.000

χ^2/NDF : 49731022799313

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 : 407051.0/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

Left In: 0.001+/-0.000 χ^2/NDF : 312625.2/12

Left: 0.001+/-0.000 χ^2/NDF : 720041.7/26

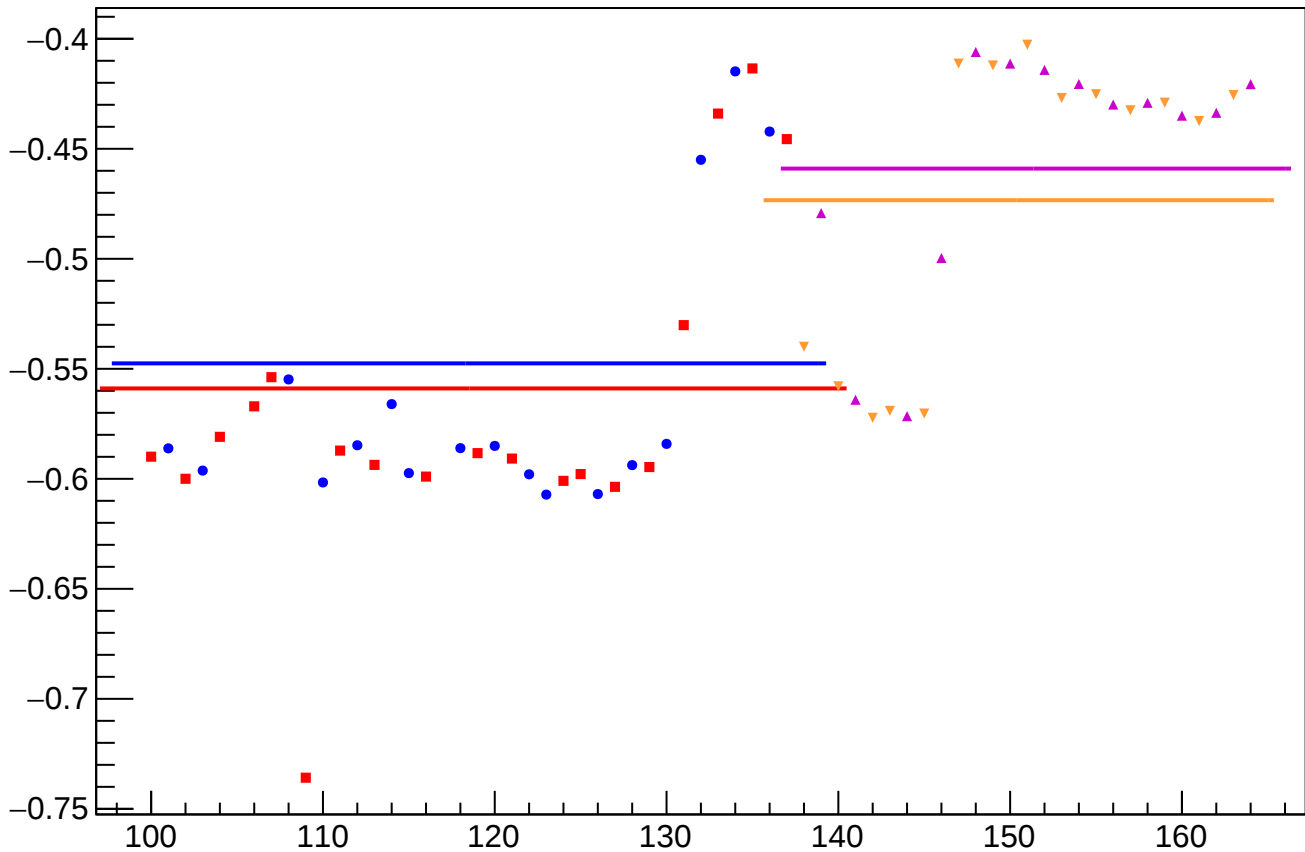
Right: 0.000+/-0.000 χ^2/NDF : 19354868.6/35

In: 0.000+/-0.000 χ^2/NDF : 28390699.6/29

Out: 0.000+/-0.000 χ^2/NDF : 28301721.4/32

All: 0.000+/-0.000 χ^2/NDF : 56693094.3/62

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.473+/-0.000 χ^2/NDF : 96614769.0/13

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

Left In: -0.459+/-0.000 χ^2/NDF : 71256993.0/12

Left: -0.466+/-0.000 χ^2/NDF : 169949512.5/26

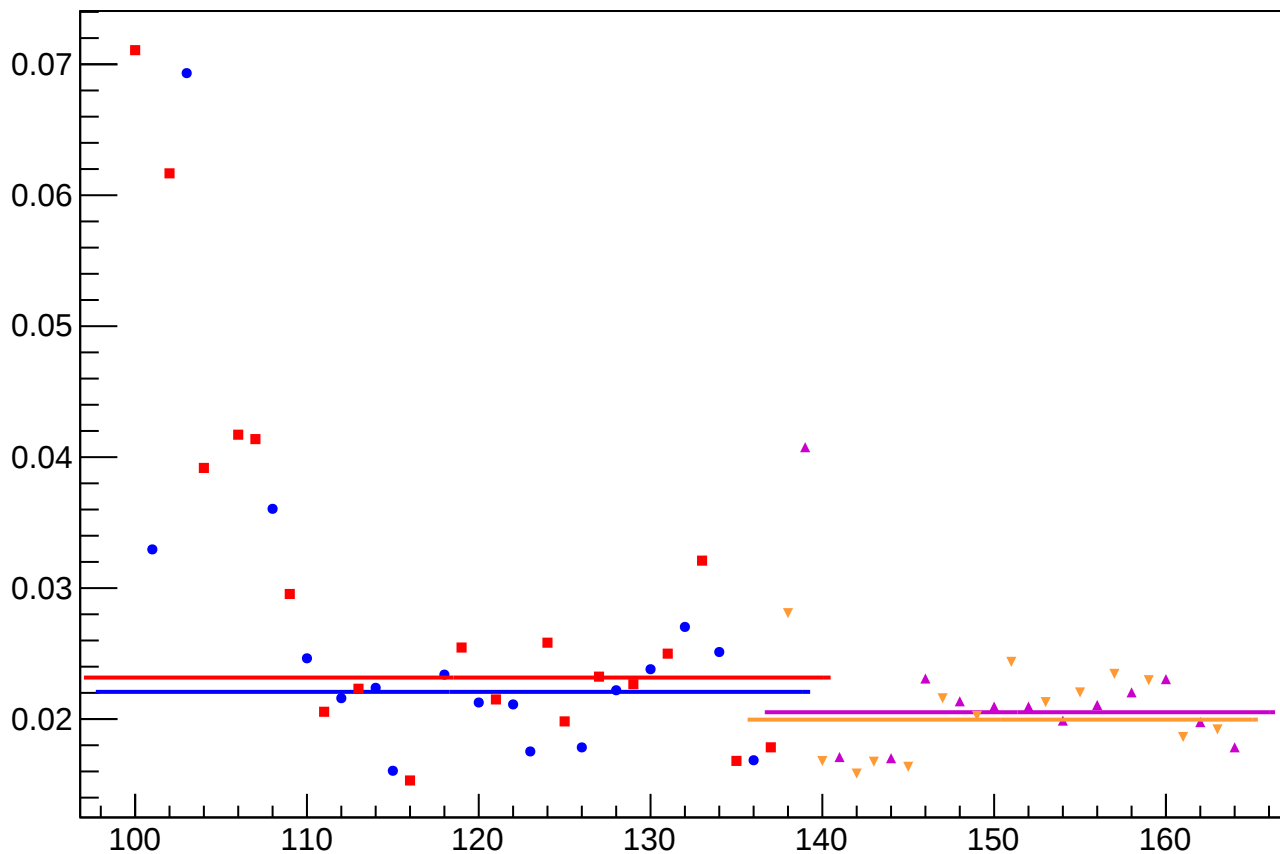
Right: -0.553+/-0.000 χ^2/NDF : 114532950.1/35

In: -0.490+/-0.000 χ^2/NDF : 172825889.0/29

Out: -0.501+/-0.000 χ^2/NDF : 211019227.6/32

All: -0.495+/-0.000 χ^2/NDF : 385803328.3/62

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 392335.6/13

Right Out: 0.023+/-0.000 χ^2/NDF : 1156758.3/18

Left In: 0.021+/-0.000 χ^2/NDF : 523074.5/12

Left: 0.020+/-0.000 χ^2/NDF : 921862.0/26

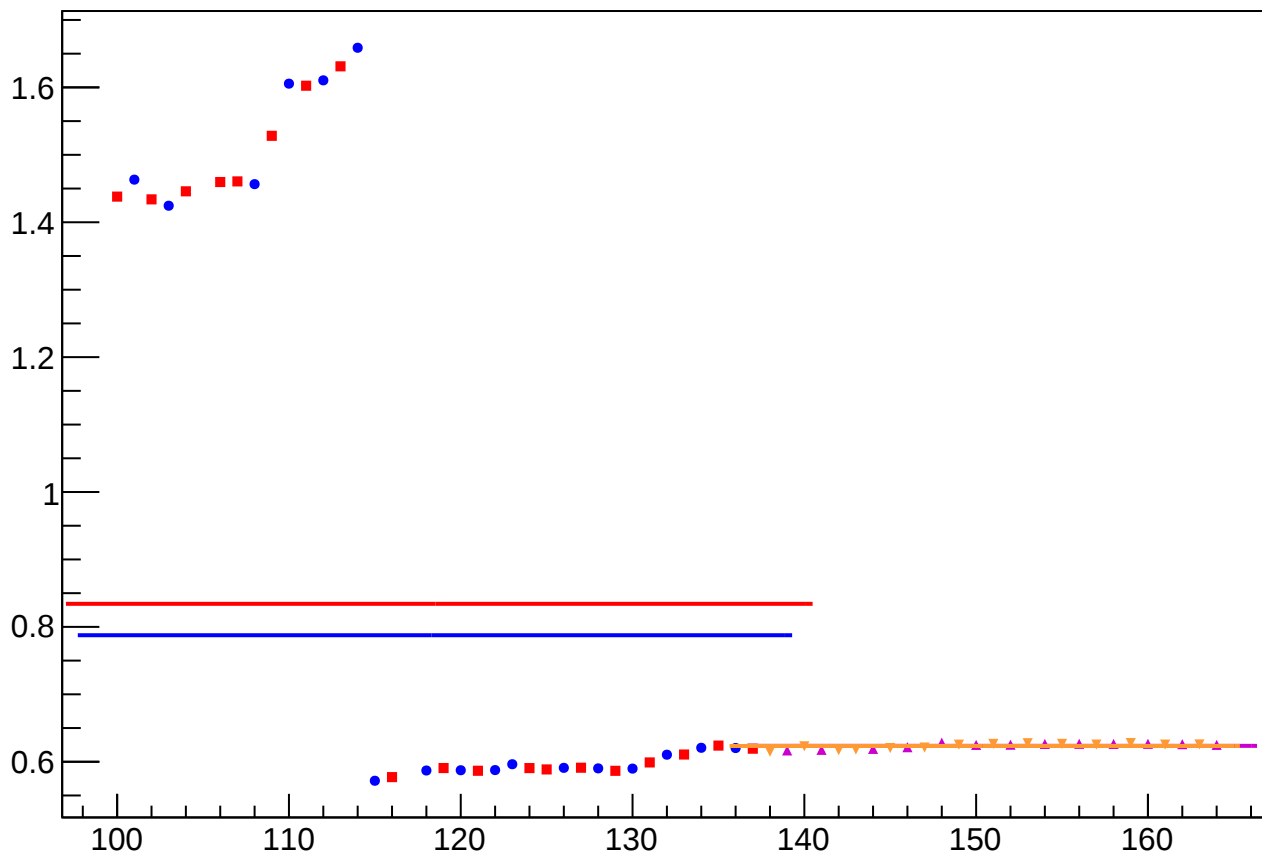
Right: 0.023+/-0.000 χ^2/NDF : 2123609.7/35

In: 0.021+/-0.000 χ^2/NDF : 1510576.2/29

Out: 0.021+/-0.000 χ^2/NDF : 1687588.1/32

All: 0.021+/-0.000 χ^2/NDF : 3198294.4/62

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 $\pm$ 0.000

χ^2 /NDF: 3581400502.4/16

Left Out: 0.623 $\pm$ 0.000

χ^2 /NDF: 1015567.1/13

Right Out: 0.834 $\pm$ 0.000

χ^2 /NDF: 4152115639.4/18

Left In: 0.624 $\pm$ 0.000

χ^2 /NDF: 867331.9/12

Left: 0.623 $\pm$ 0.000 χ^2 /NDF: 1884108.3/26

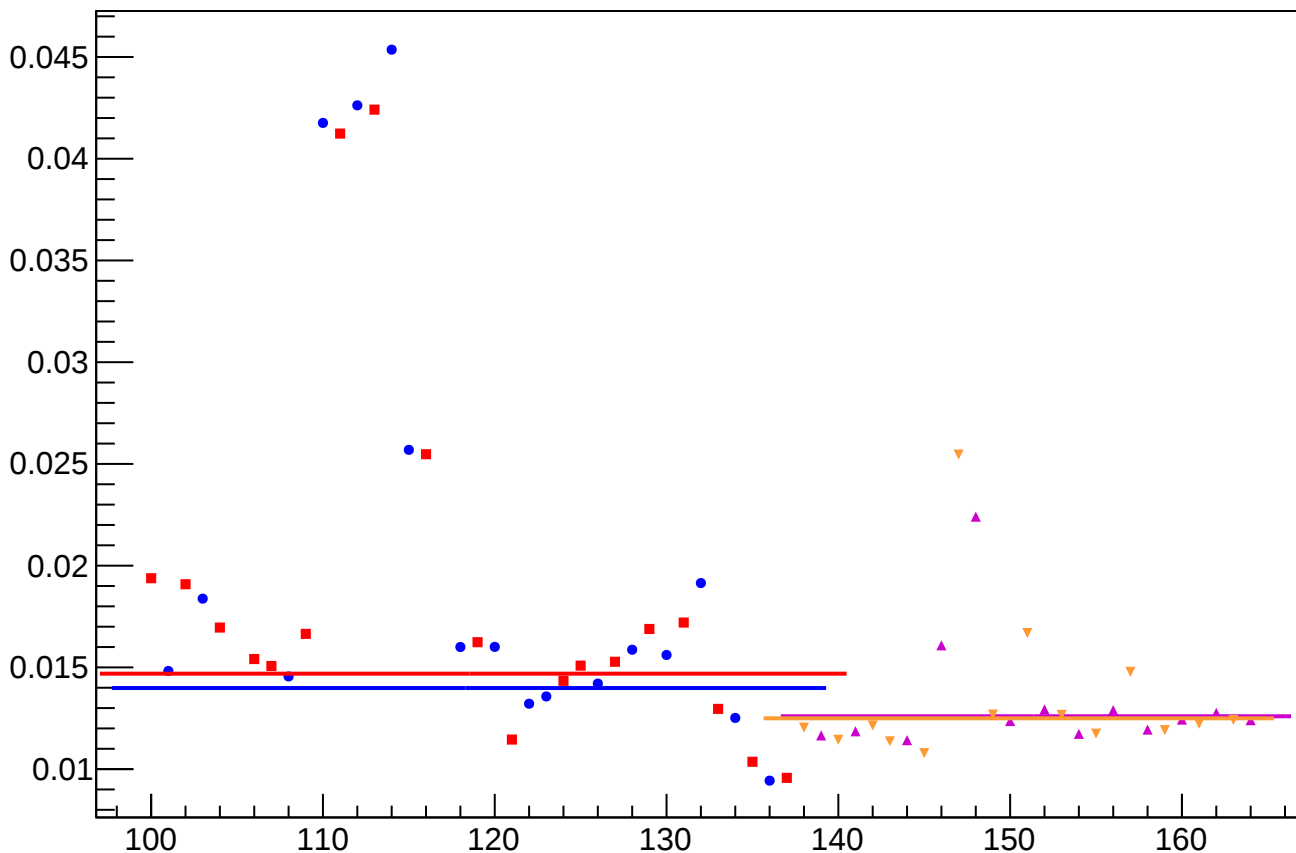
Right: 0.811 $\pm$ 0.000 χ^2 /NDF: 7764167044.9/35

In: 0.675 $\pm$ 0.000 χ^2 /NDF: 4110707449.3/29

Out: 0.688 $\pm$ 0.000 χ^2 /NDF: 5012982395.7/32

All: 0.682 $\pm$ 0.000 χ^2 /NDF: 9130387983.2/62

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF : 588380.3/13

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

Left In: 0.013+/-0.000 χ^2/NDF : 409951.4/12

Left: 0.013+/-0.000 χ^2/NDF : 998970.7/26

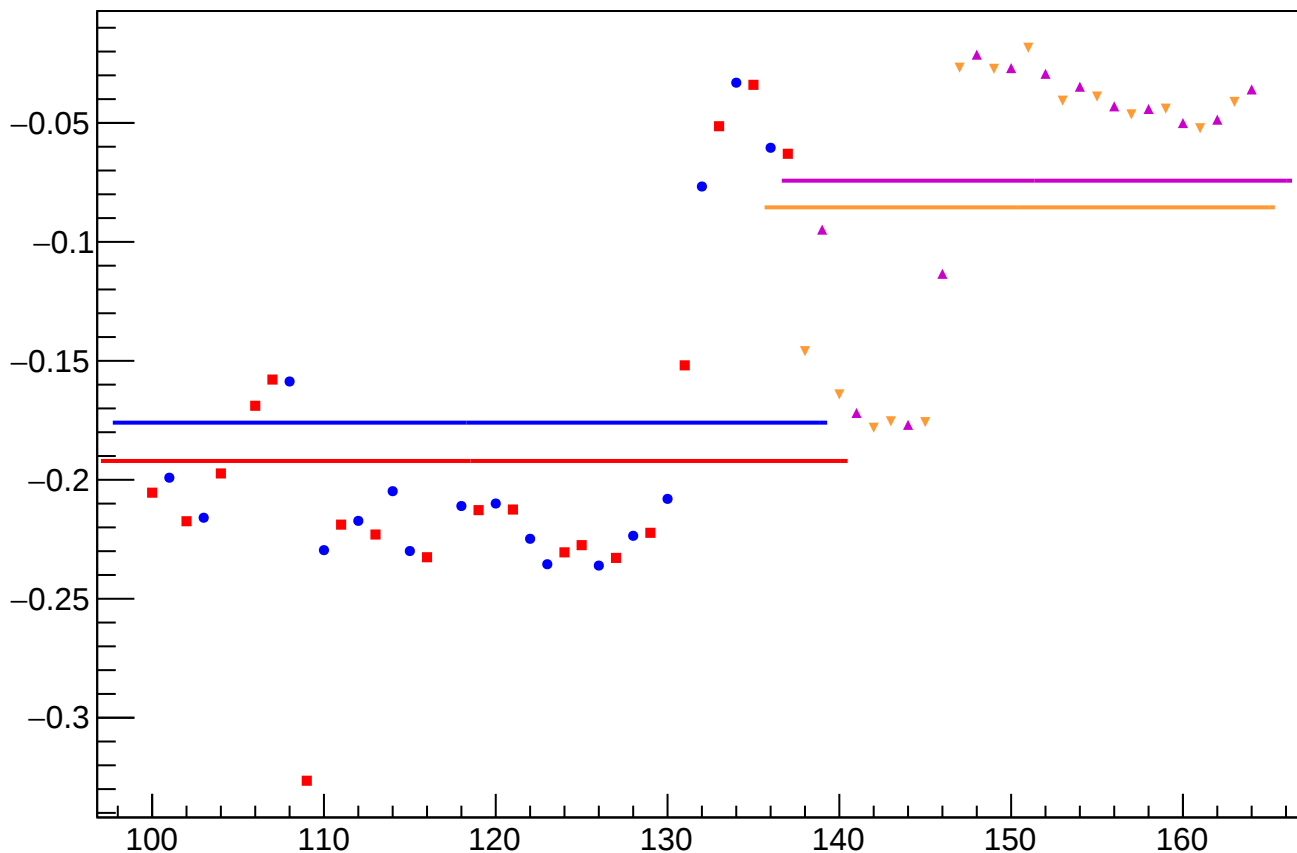
Right: 0.014+/-0.000 χ^2/NDF : 2671110.0/35

In: 0.013+/-0.000 χ^2/NDF : 1884101.7/29

Out: 0.013+/-0.000 χ^2/NDF : 2033301.0/32

All: 0.013+/-0.000 χ^2/NDF : 3918911.0/62

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.085+/-0.000 χ^2/NDF : 92765599.7/13

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

Left In: -0.074+/-0.000 χ^2/NDF : 71795503.9/12

Left: -0.080+/-0.000 χ^2/NDF : 165920416.3/26

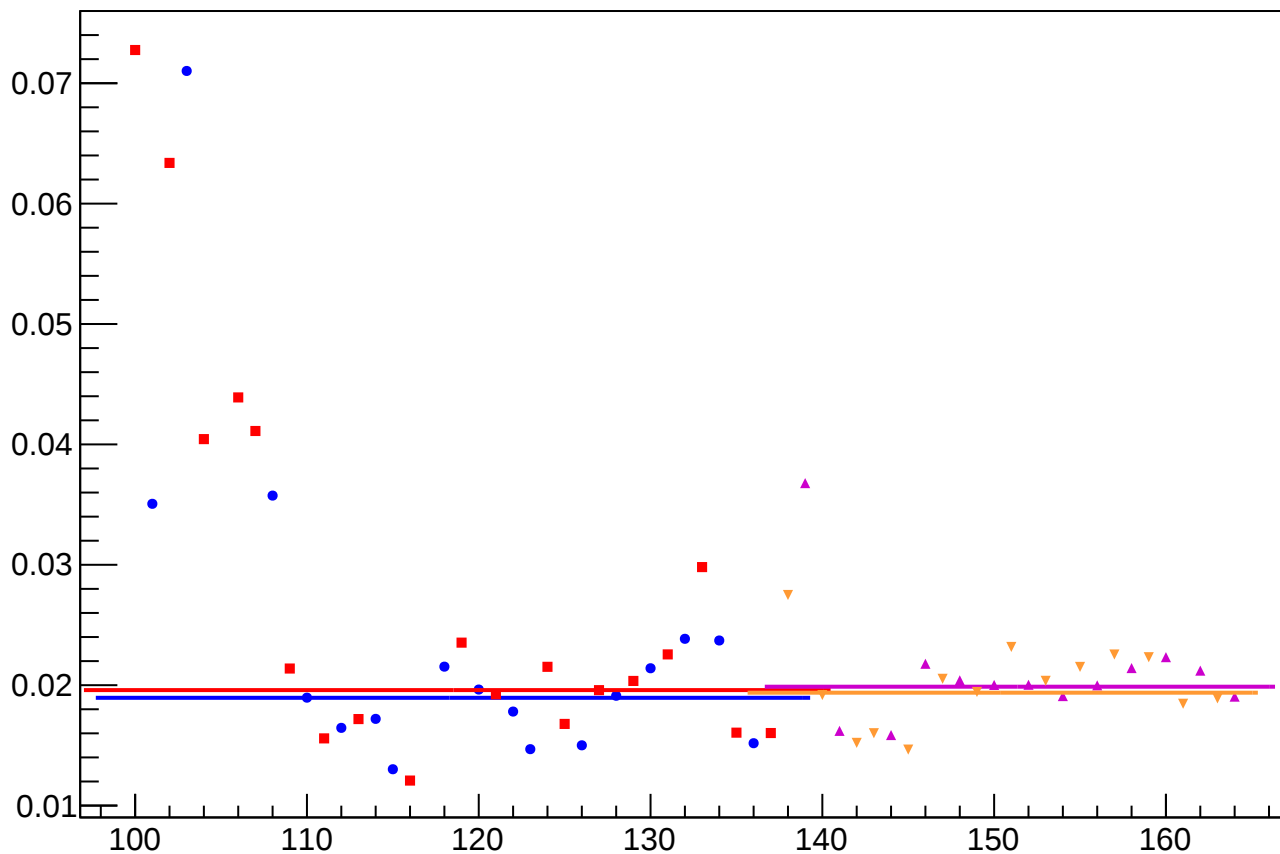
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.115+/-0.000 χ^2/NDF : 228001544.9/29

Out: -0.126+/-0.000 χ^2/NDF : 271539611.2/32

All: -0.120+/-0.000 χ^2/NDF : 501748648.1/62

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 416932.7/13

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.020+/-0.000 χ^2/NDF : 490291.3/12

Left: 0.020+/-0.000 χ^2/NDF : 912573.1/26

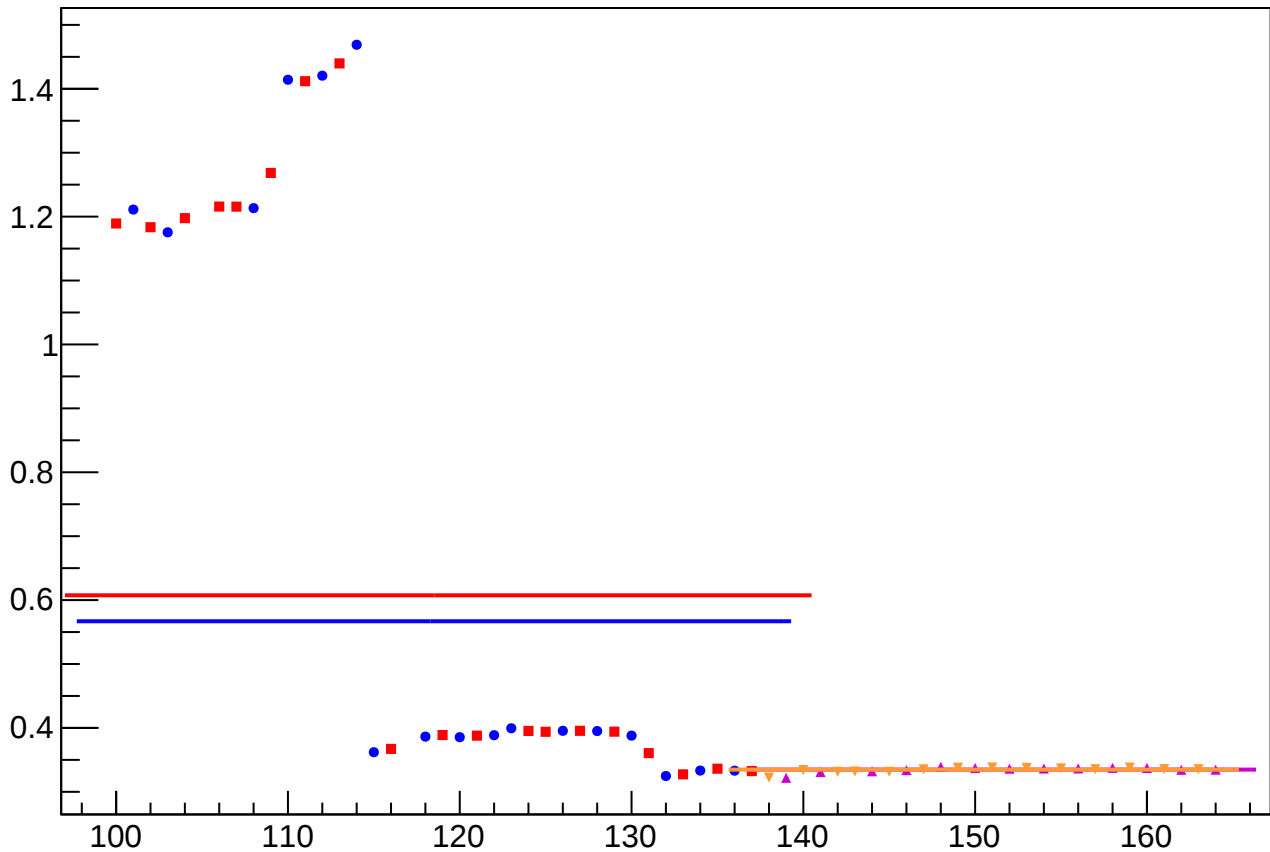
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.020+/-0.000 χ^2/NDF : 1707708.5/29

Out: 0.019+/-0.000 χ^2/NDF : 1873040.7/32

All: 0.019+/-0.000 χ^2/NDF : 3580841.5/62

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.335+/-0.000 χ^2/NDF : 1068097.2/13

Right Out: 0.607+/-0.000 χ^2/NDF : 5505226431.3/18

Left In: 0.335+/-0.000 χ^2/NDF : 1150975.0/12

Left: 0.335+/-0.000 χ^2/NDF : 2219147.5/26

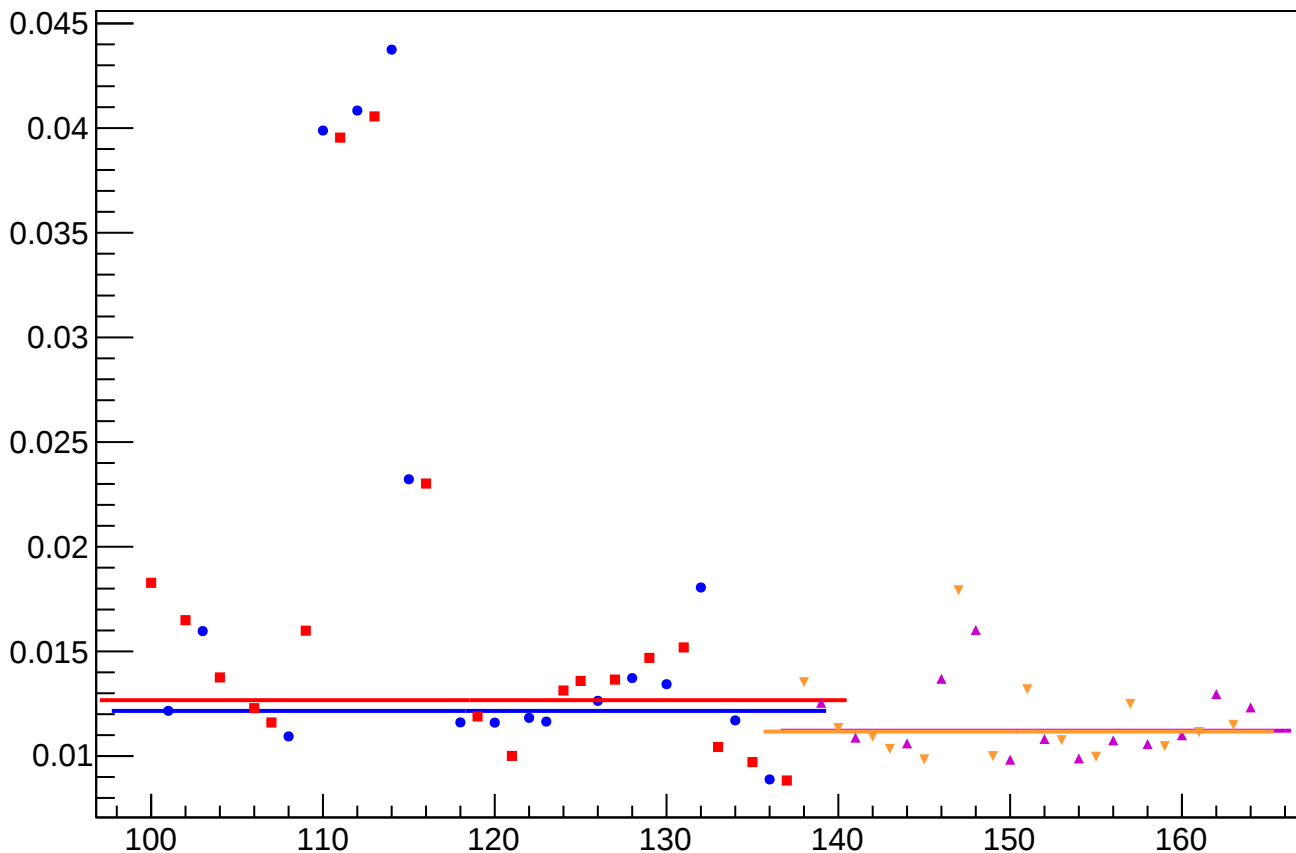
Right: 0.587+/-0.000 χ^2/NDF : 10552855690.4/35

In: 0.411+/-0.000 χ^2/NDF : 6392577830.9/29

Out: 0.421+/-0.000 χ^2/NDF : 7373624927.8/32

All: 0.416+/-0.000 χ^2/NDF : 13772132305.7/66

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:396162.8/13

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:321499.1/12

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 717794.5/26

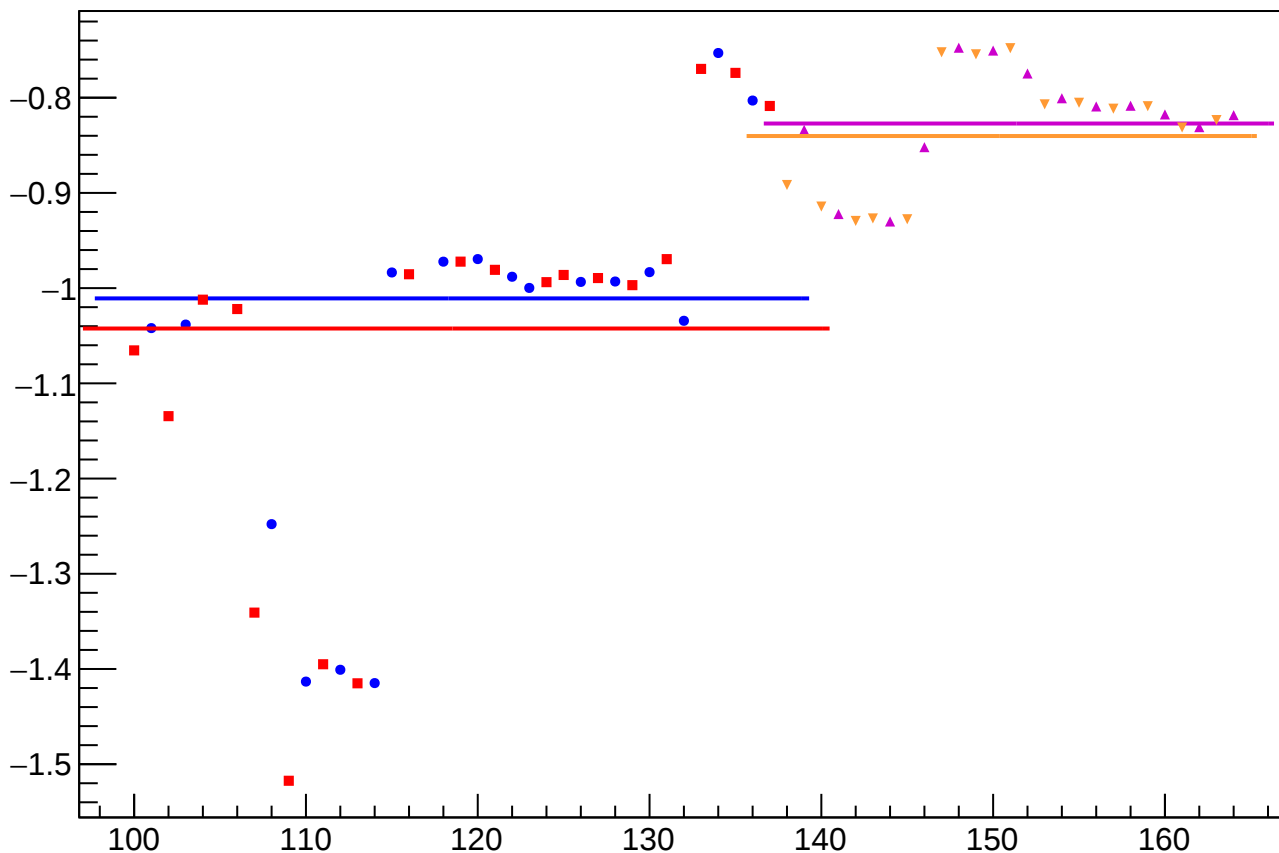
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2584926.4/35

In: 0.012 $\pm$ 0.000 χ^2 /NDF:1675159.8/29

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1776223.3/32

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3453121.7/62

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.840+/-0.000 χ^2/NDF : 92243156.5/13

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

Left In: -0.827+/-0.000 χ^2/NDF : 70153023.6/12

Left: -0.834+/-0.000 χ^2/NDF : 164216490.8/26

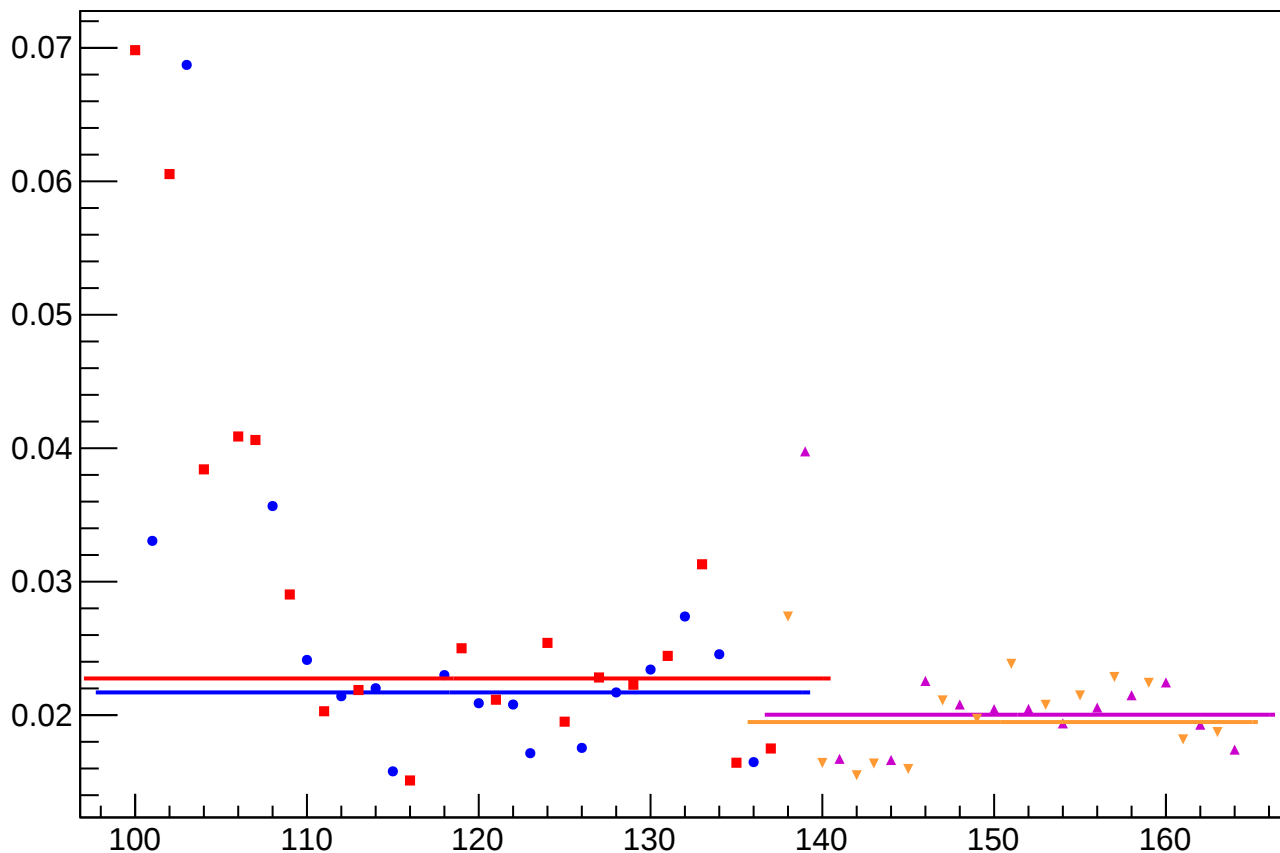
Right: -1.026+/-0.000 χ^2/NDF : 921337924.7/35

In: -0.890+/-0.000 χ^2/NDF : 694345665.1/29

Out: -0.905+/-0.000 χ^2/NDF : 906159694.6/32

All: -0.898+/-0.000 χ^2/NDF : 1604043035.8/6

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 390490.1/13

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

Left In: 0.020+/-0.000 χ^2/NDF : 519990.5/12

Left: 0.020+/-0.000 χ^2/NDF : 916849.8/26

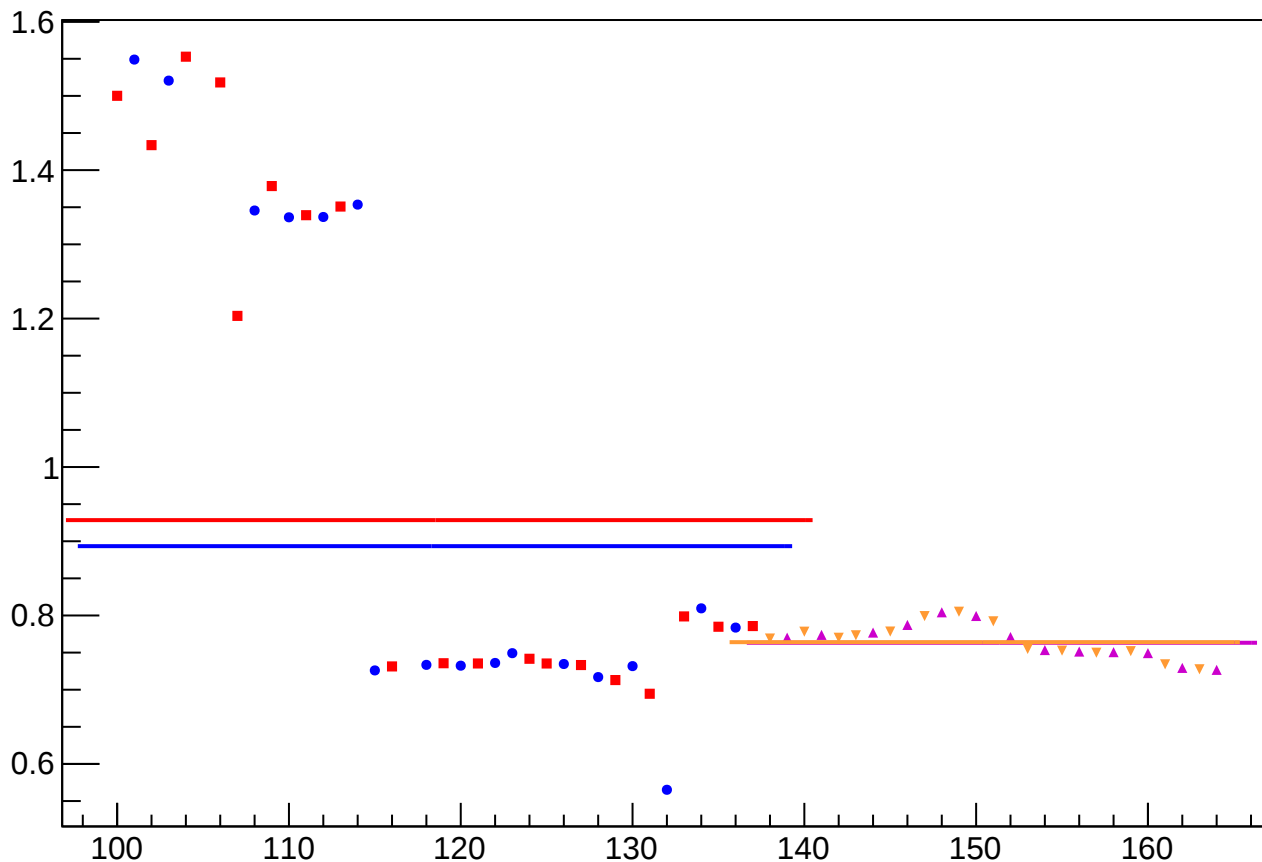
Right: 0.022+/-0.000 χ^2/NDF : 2143091.8/35

In: 0.021+/-0.000 χ^2/NDF : 1538519.3/29

Out: 0.021+/-0.000 χ^2/NDF : 1691603.7/32

All: 0.021+/-0.000 χ^2/NDF : 3230302.0/62

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.764 $\pm$ 0.000 χ^2/NDF :28889310.4/13

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2435640156.0/18

Left In: 0.763 $\pm$ 0.000 χ^2/NDF :27144013.4/12

Left: 0.764 $\pm$ 0.000 χ^2/NDF : 56053792.9/26

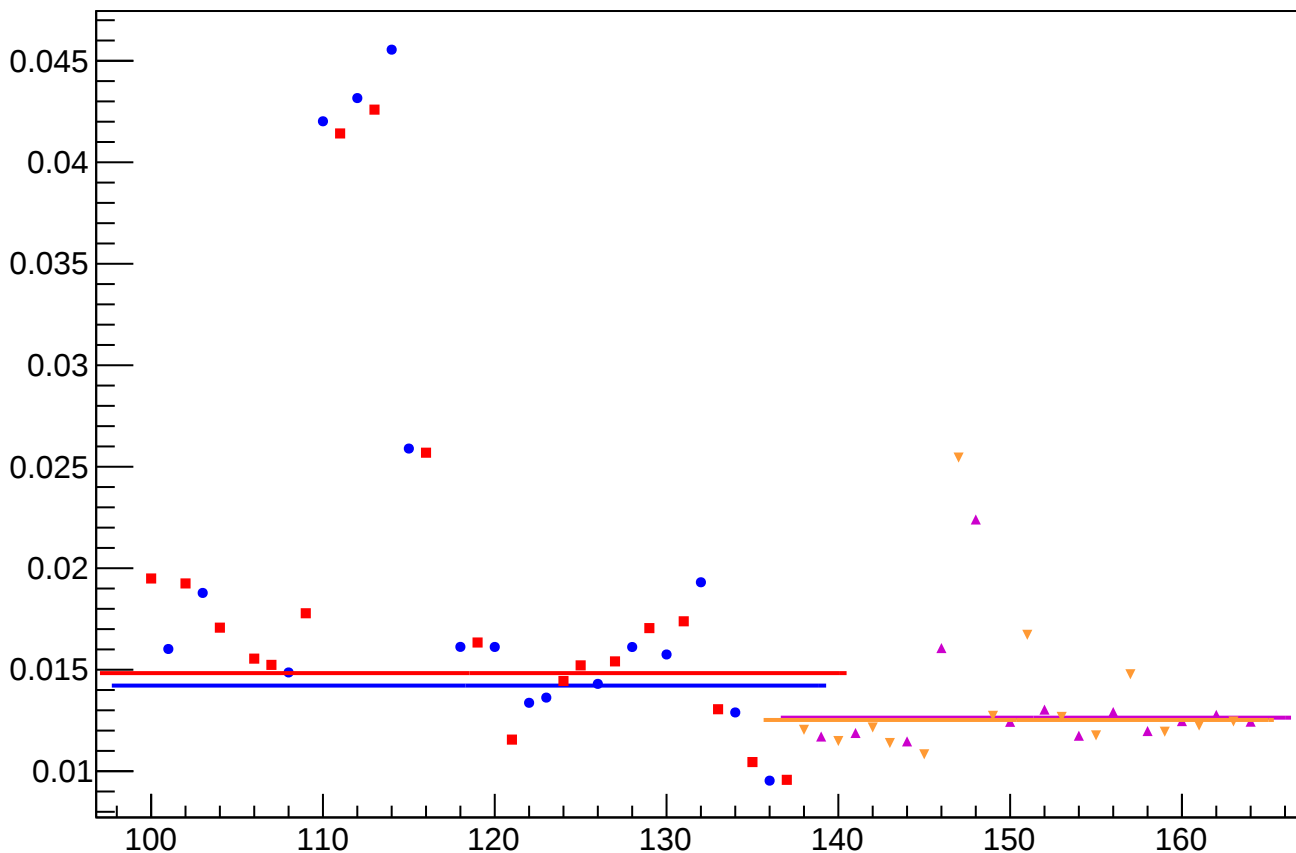
Right: 0.911 $\pm$ 0.000 χ^2/NDF : 4860512064.2/35

In: 0.804 $\pm$ 0.000 χ^2/NDF :2758492332.8/29

Out: 0.813 $\pm$ 0.000 χ^2/NDF :2978546089.2/32

All: 0.809 $\pm$ 0.000 χ^2/NDF : 5741506650.8/62

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:583814.7/13

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1269559.2/18

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:405559.6/12

Left: 0.013 $\pm$ 0.000 χ^2 /NDF: 990169.1/26

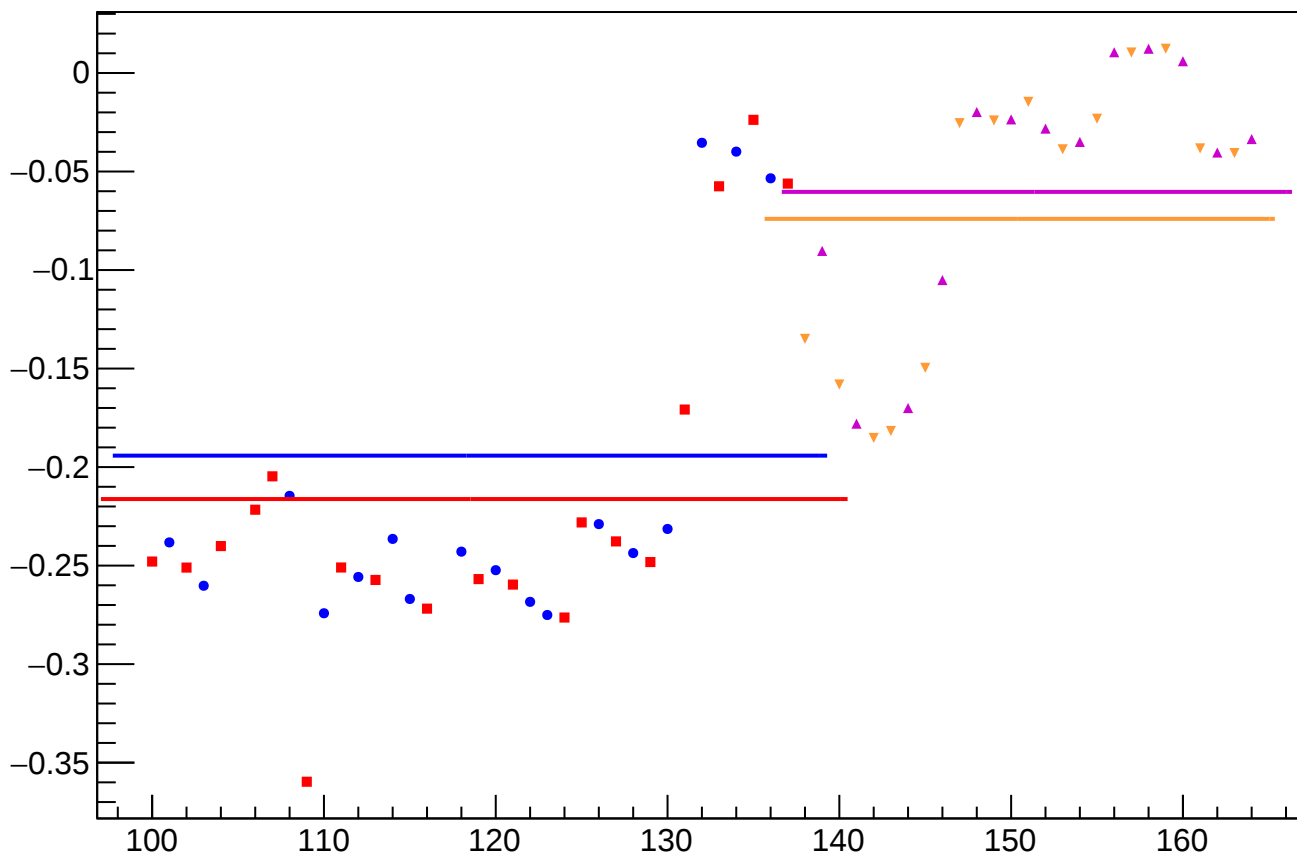
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 2689500.8/35

In: 0.013 $\pm$ 0.000 χ^2 /NDF:1910535.3/29

Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2055945.2/32

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3967241.3/62

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.074+/-0.000 χ^2/NDF : 109384626.7/13

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

Left In: -0.060+/-0.000 χ^2/NDF : 95299745.9/12

Left: -0.067+/-0.000 χ^2/NDF : 206705268.6/26

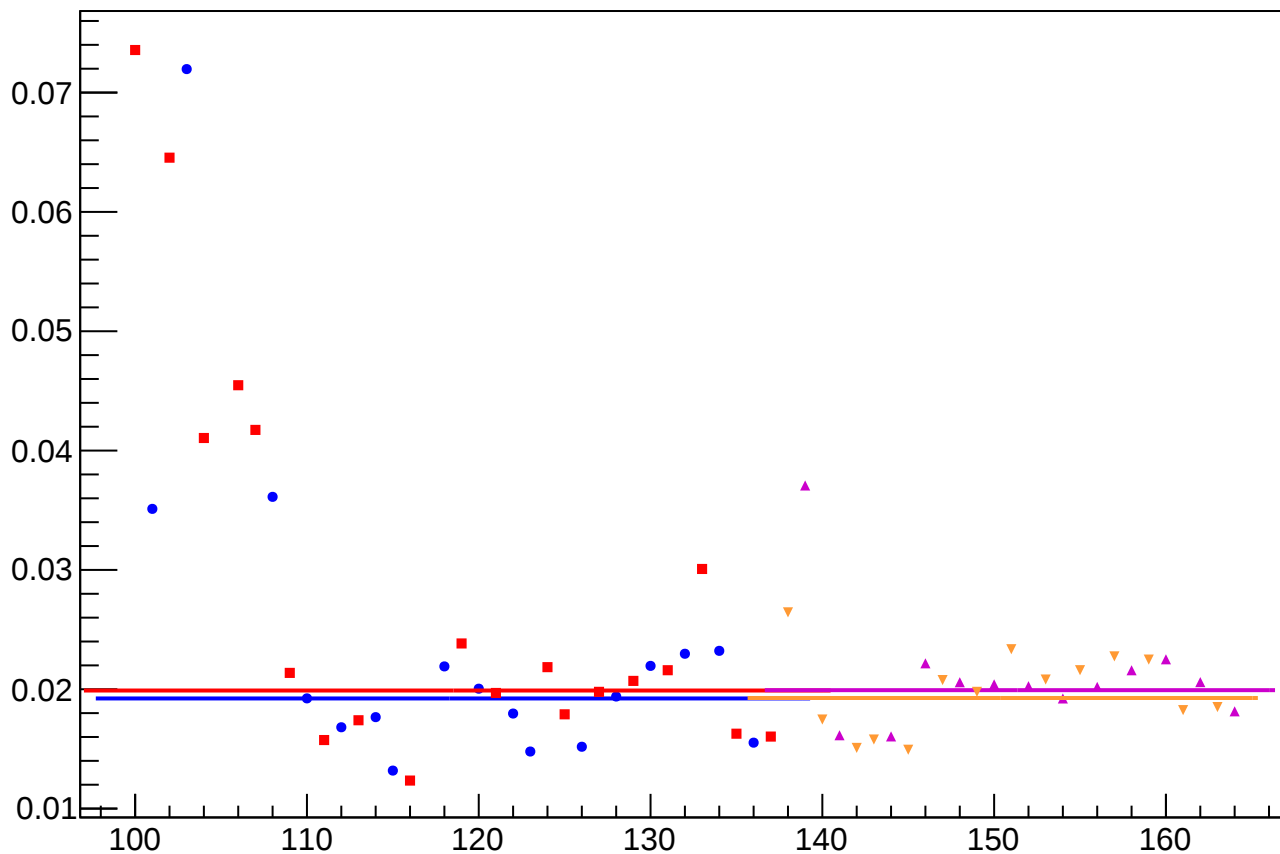
Right: -0.205+/-0.000 χ^2/NDF : 222671892.3/35

In: -0.113+/-0.000 χ^2/NDF : 349852719.3/29

Out: -0.126+/-0.000 χ^2/NDF : 387294794.0/32

All: -0.120+/-0.000 χ^2/NDF : 740425661.5/62

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 : 420430.9/13

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 501154.6/12

Left: 0.020+/-0.000 χ^2/NDF : 930885.4/26

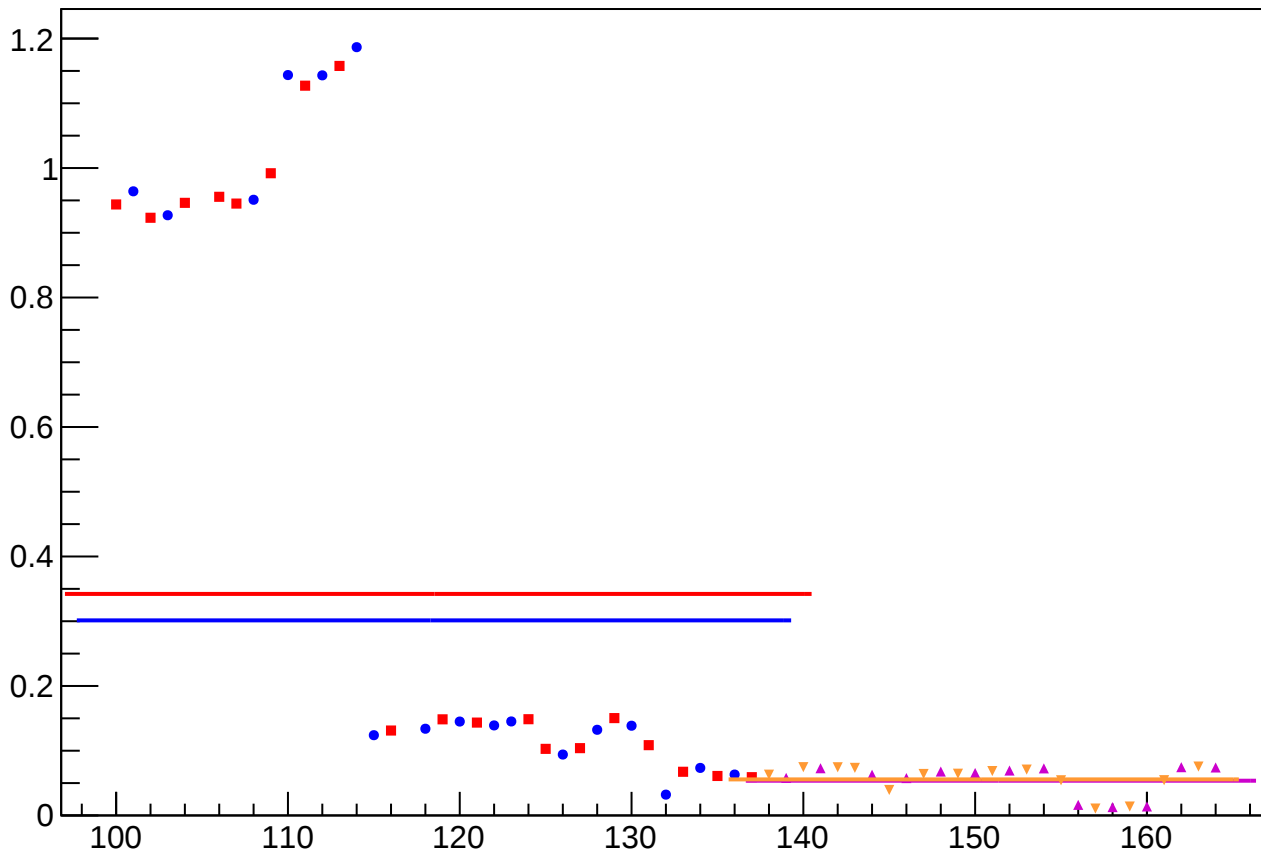
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.020+/-0.000 χ^2/NDF : 1683601.2/29

Out: 0.019+/-0.000 χ^2/NDF : 1871368.8/32

All: 0.020+/-0.000 χ^2/NDF : 3555789.3/62

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301 $\pm$ 0.000 χ^2 /NDF: 5154791073.8/16

Left Out: 0.056 $\pm$ 0.000 χ^2 /NDF: 37210259.2/13

Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 5442717599.3/18

Left In: 0.054 $\pm$ 0.000 χ^2 /NDF: 47269748.9/12

Left: 0.055 $\pm$ 0.000 χ^2 /NDF: 84648809.0/26

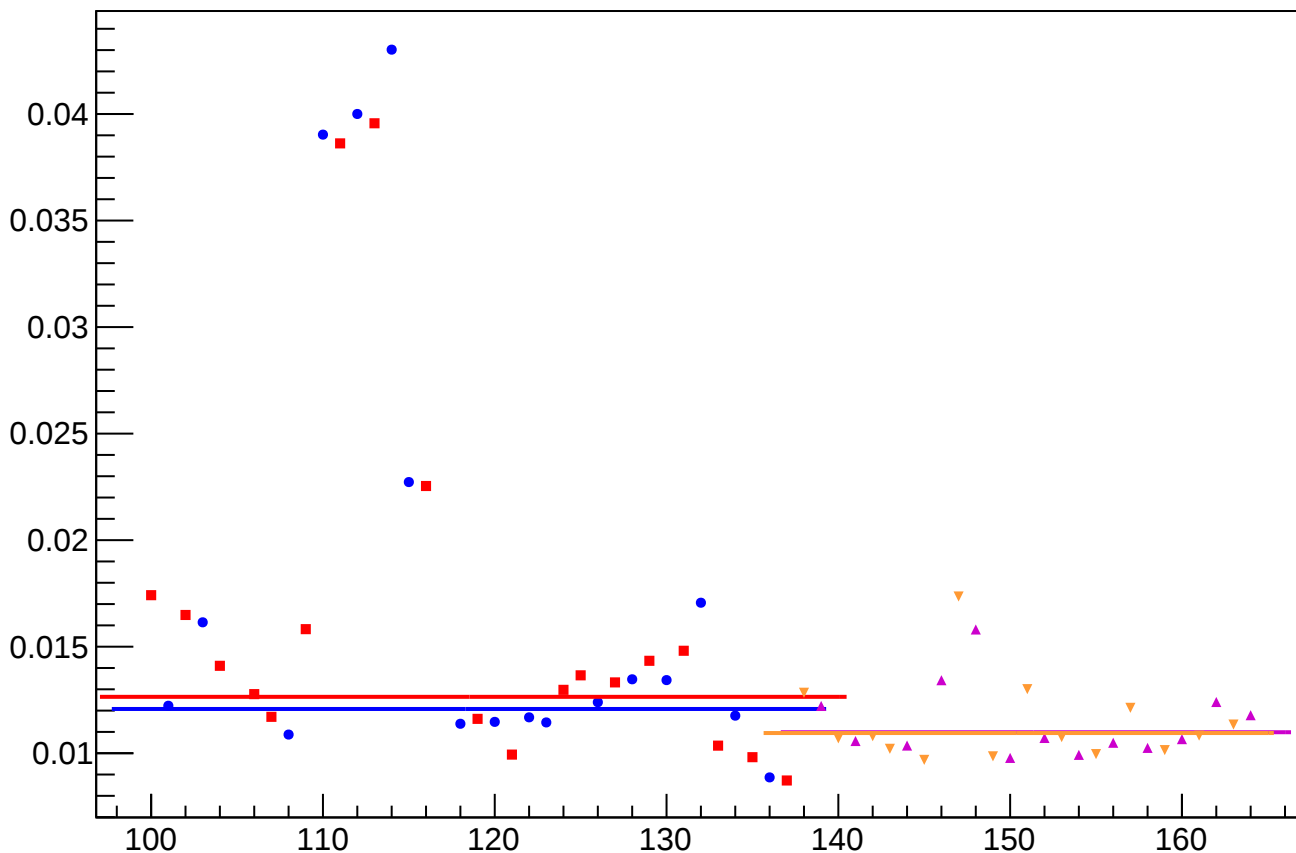
Right: 0.321 $\pm$ 0.000 χ^2 /NDF: 10628899850.1/35

In: 0.133 $\pm$ 0.000 χ^2 /NDF: 6803655490.3/29

Out: 0.144 $\pm$ 0.000 χ^2 /NDF: 7573138683.9/32

All: 0.138 $\pm$ 0.000 χ^2 /NDF: 14383428177.2/66

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 365173.3/13

Right Out: 0.013+/-0.000 χ^2/NDF : 1236084.9/18

Left In: 0.011+/-0.000 χ^2/NDF : 298784.0/12

Left: 0.011+/-0.000 χ^2/NDF : 664075.5/26

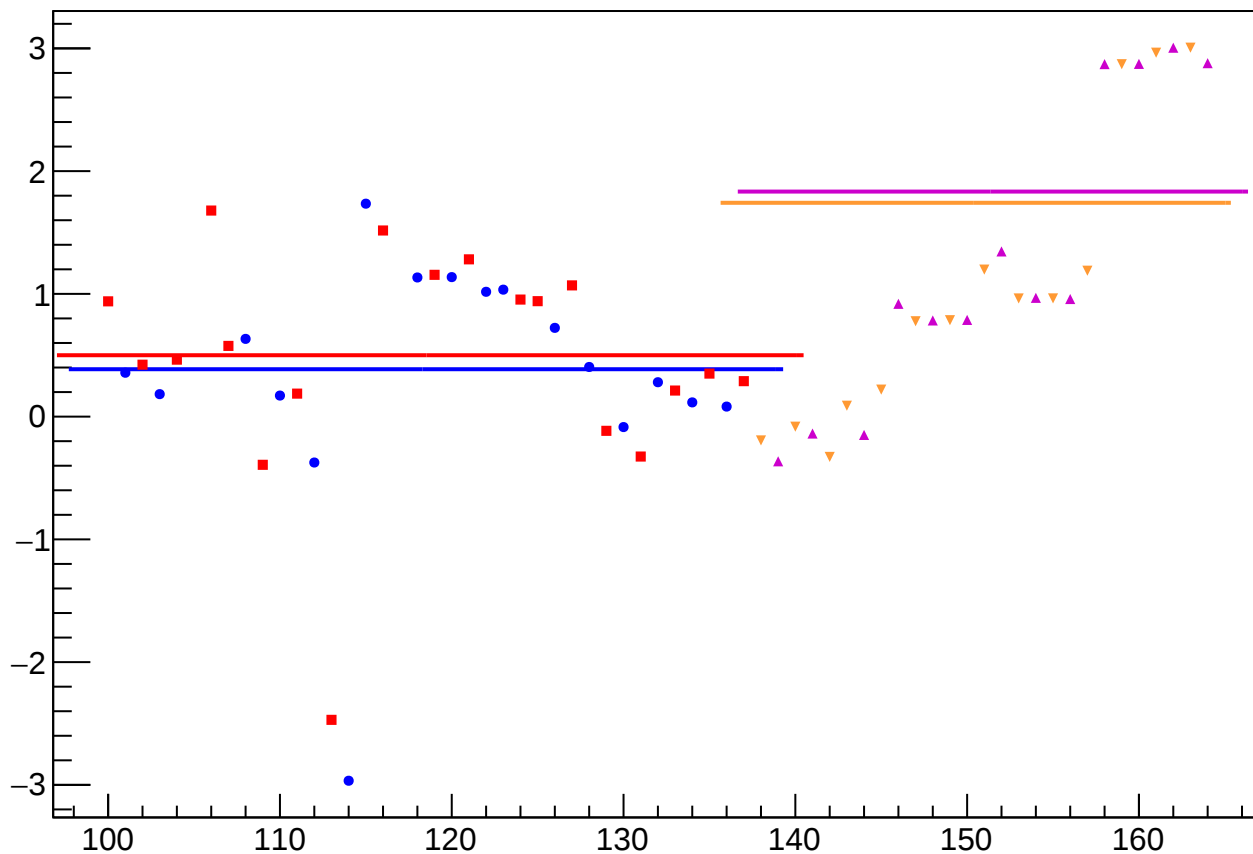
Right: 0.012+/-0.000 χ^2/NDF : 2528646.1/35

In: 0.011+/-0.000 χ^2/NDF : 1641322.9/29

Out: 0.011+/-0.000 χ^2/NDF : 1748533.7/32

All: 0.011+/-0.000 χ^2/NDF : 3391996.1/62

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.742+/-0.000 χ^2/NDF : 24264033432.2/13

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

Left In: 1.833+/-0.000 χ^2/NDF : 26393671786.6/12

Left: 1.790+/-0.000 χ^2/NDF : 50763974170.0/26

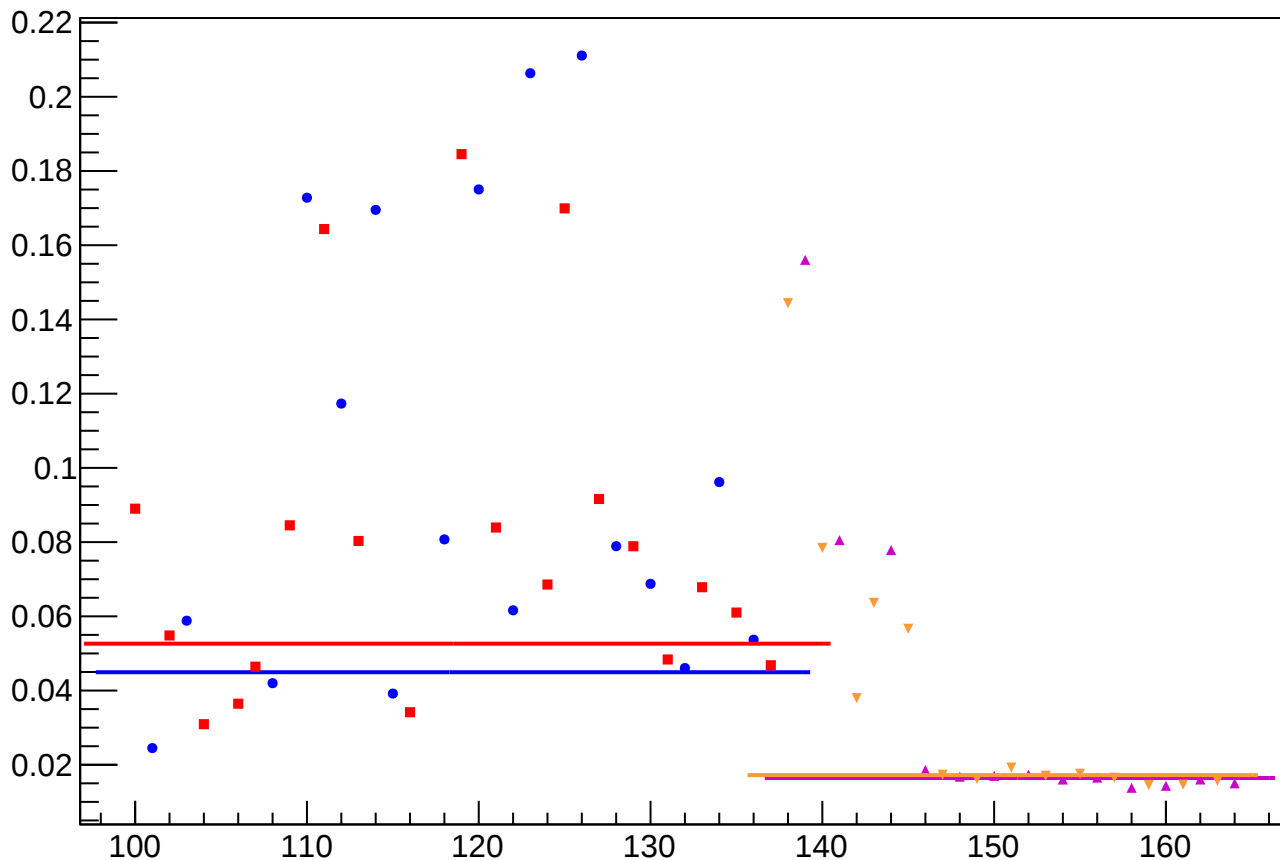
Right: 0.439+/-0.000 χ^2/NDF : 1240216918.3/35

In: 1.745+/-0.000 χ^2/NDF : 30076939533.9/29

Out: 1.670+/-0.000 χ^2/NDF : 27409033936.0/32

All: 1.710+/-0.000 χ^2/NDF : 57562981637.0/6

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF :2732489.7/13

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

Left In: 0.016+/-0.000 χ^2/NDF :2401714.4/12

Left: 0.017+/-0.000 χ^2/NDF : 5149539.8/26

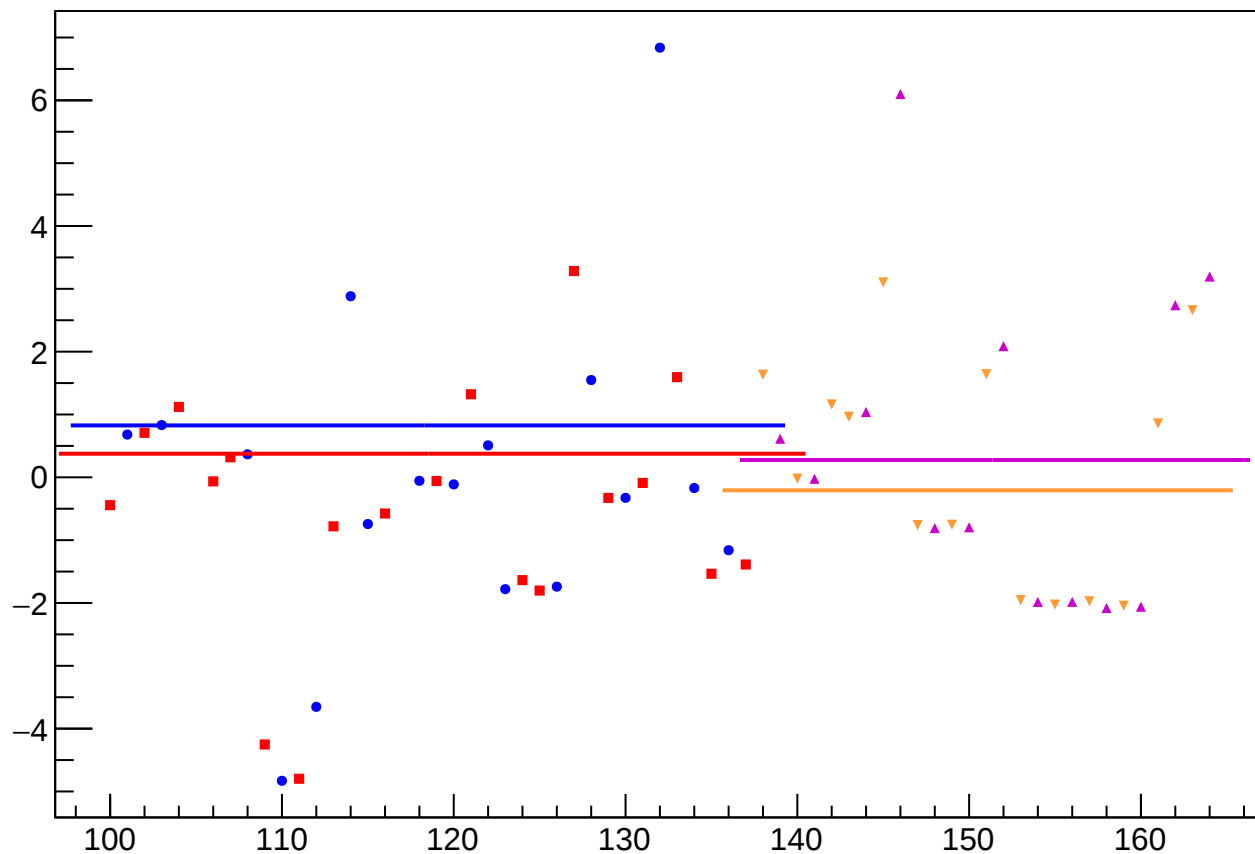
Right: 0.048+/-0.000 χ^2/NDF : 5075265.3/35

In: 0.018+/-0.000 χ^2/NDF :7856287.3/29

Out: 0.019+/-0.000 χ^2/NDF :8441646.4/32

All: 0.019+/-0.000 χ^2/NDF : 16330678.5/62

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: -0.207+/-0.000 χ^2/NDF : 141440109775.5/13

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

Left In: 0.276+/-0.000 χ^2/NDF : 300321544296.5/12

Left: 0.047+/-0.000 χ^2/NDF : 446309786202.0/26

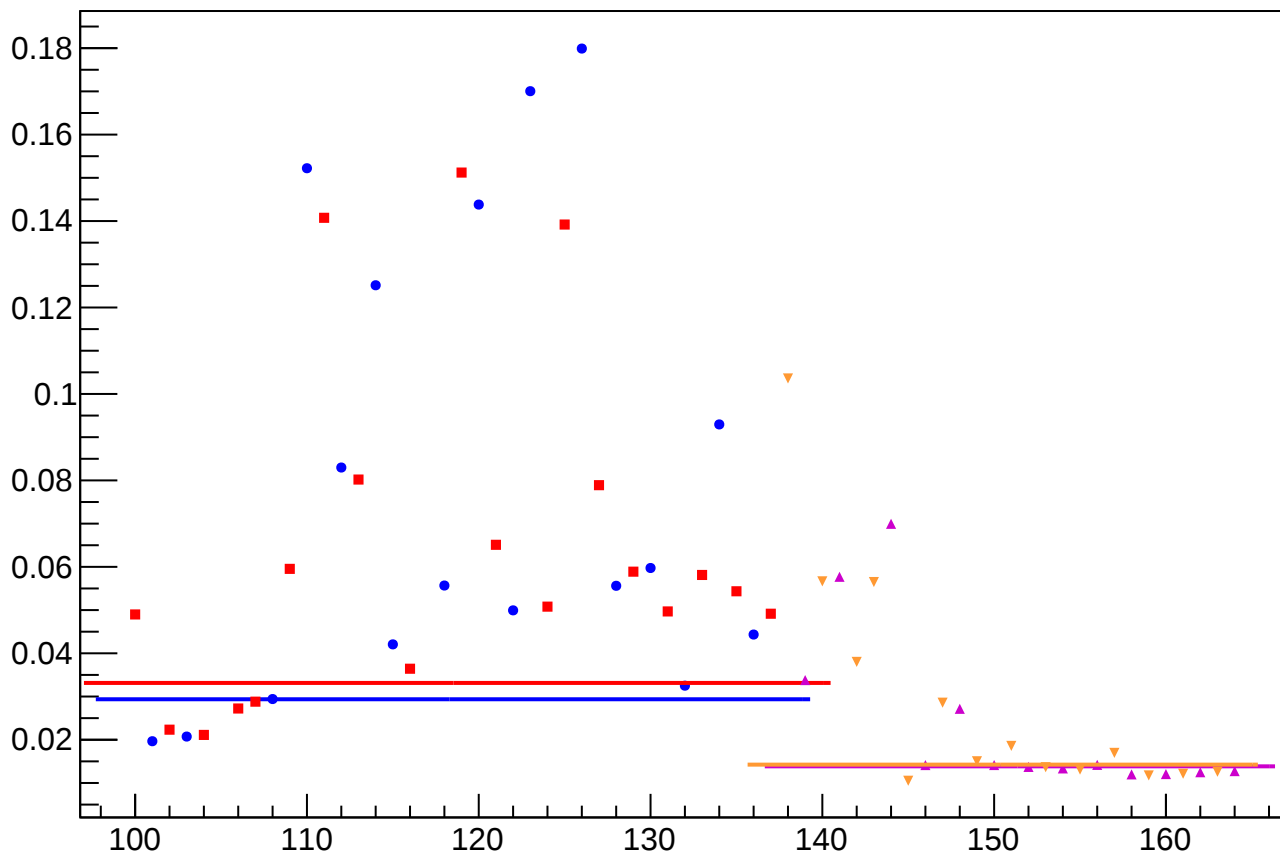
Right: 0.614+/-0.000 χ^2/NDF : 16267855103.5/35

In: 0.324+/-0.000 χ^2/NDF : 312354085484.7/29

Out: -0.157+/-0.000 χ^2/NDF : 147470307651.9/32

All: 0.096+/-0.000 χ^2/NDF : 464760331020.5

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.014+/-0.000 χ^2/NDF : 2783225.6/13

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

Left In: 0.014+/-0.000 χ^2/NDF : 1863942.0/12

Left: 0.014+/-0.000 χ^2/NDF : 4653278.4/26

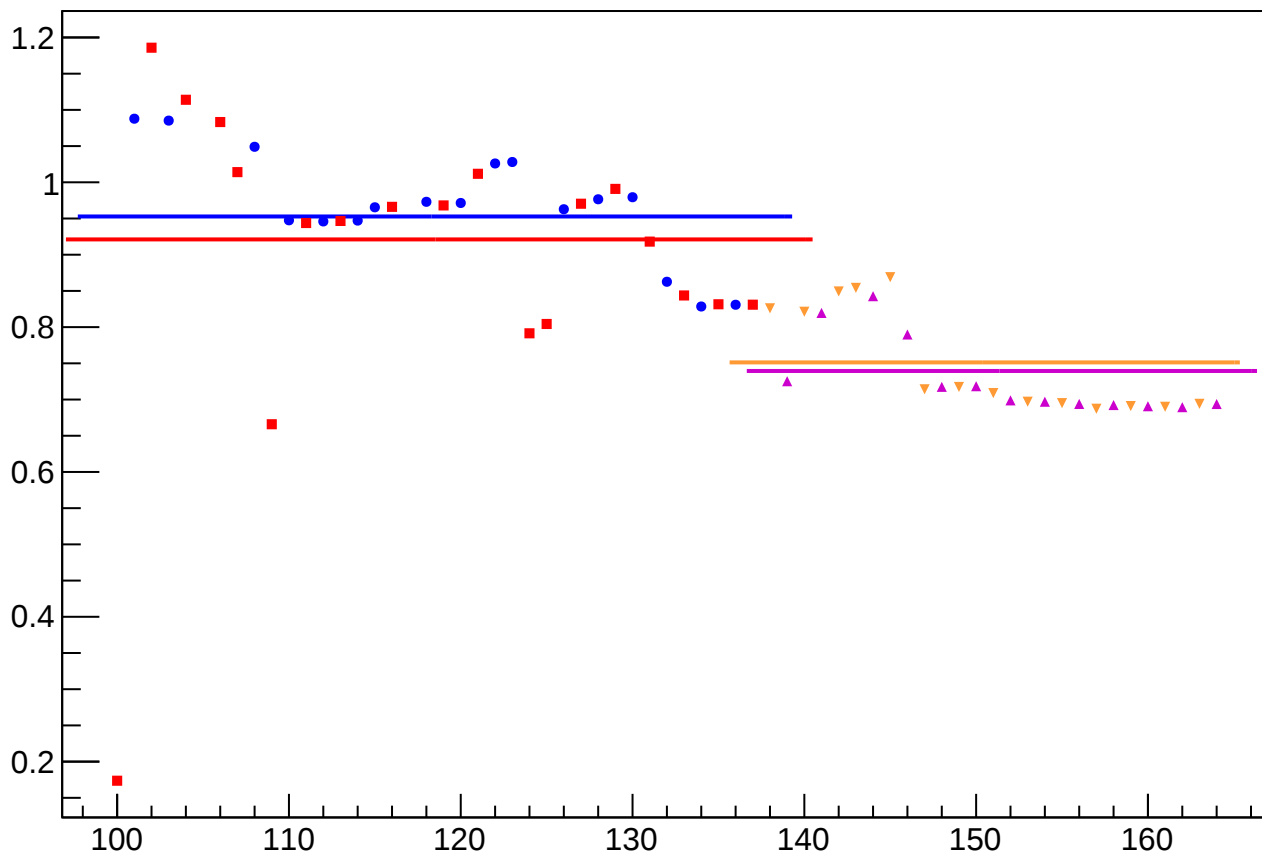
Right: 0.031+/-0.000 χ^2/NDF : 6139085.6/35

In: 0.015+/-0.000 χ^2/NDF : 6580263.2/29

Out: 0.016+/-0.000 χ^2/NDF : 8163390.0/32

All: 0.016+/-0.000 χ^2/NDF : 14762684.5/62

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.751+/-0.000 χ^2/NDF : 250854914.3/13

Right Out: 0.921+/-0.000 χ^2/NDF : 374151585.5/18

Left In: 0.739+/-0.000 χ^2/NDF : 154929005.8/12

Left: 0.746+/-0.000 χ^2/NDF : 409305909.5/26

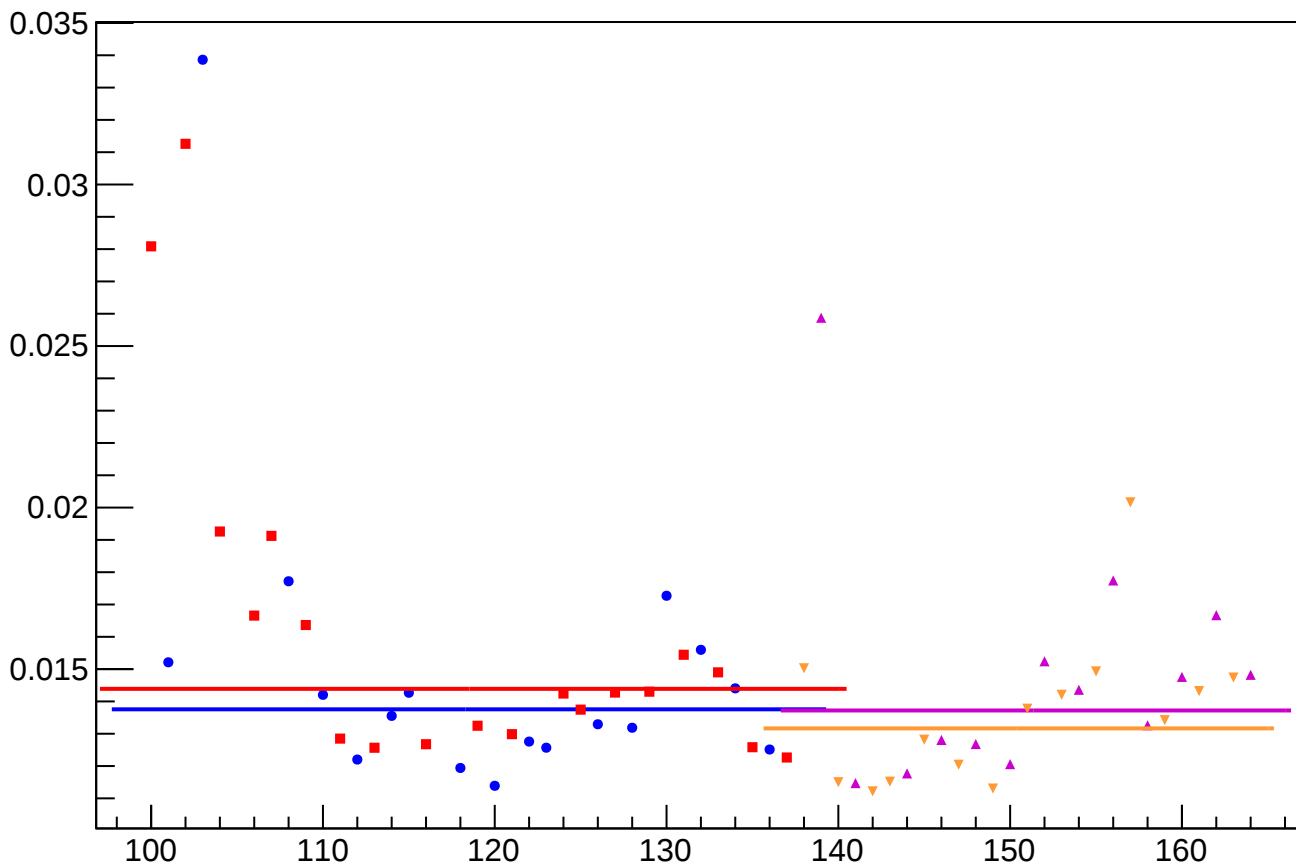
Right: 0.937+/-0.000 χ^2/NDF : 564889848.1/35

In: 0.822+/-0.000 χ^2/NDF : 1179227805.6/29

Out: 0.812+/-0.000 χ^2/NDF : 1167436619.0/32

All: 0.817+/-0.000 χ^2/NDF : 2350479111.1/62

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 :343529.2/13

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

Left In: 0.014+/-0.000 χ^2/NDF :599367.5/12

Left: 0.013+/-0.000 χ^2/NDF : 958359.2/26

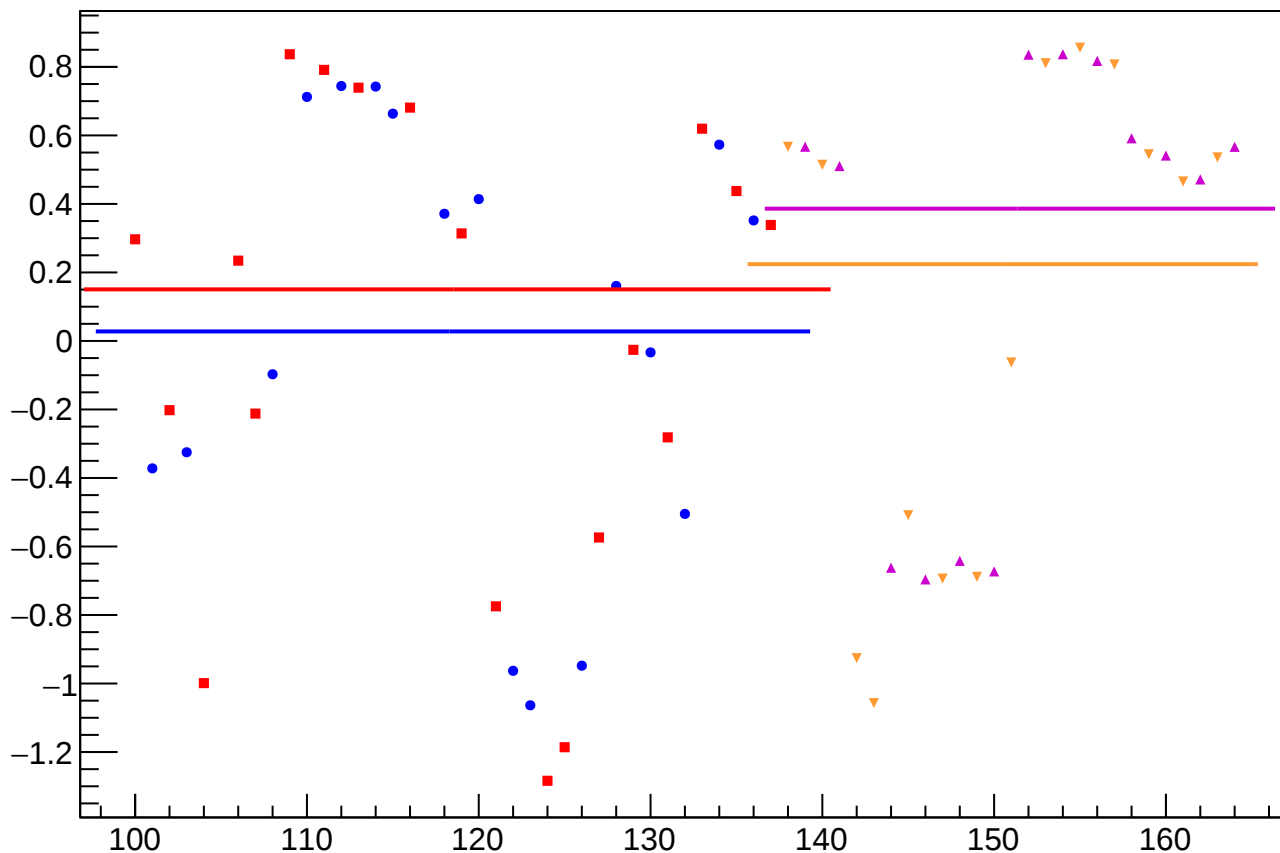
Right: 0.014+/-0.000 χ^2/NDF : 1054284.2/35

In: 0.014+/-0.000 χ^2/NDF :1137883.4/29

Out: 0.014+/-0.000 χ^2/NDF :903726.3/32

All: 0.014+/-0.000 χ^2/NDF : 2042945.5/62

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000

χ^2/NDF : 6276955529.7/16

Left: 0.305+/-0.000

χ^2/NDF : 40964619534.4/26

Left Out: 0.224+/-0.000

χ^2/NDF : 23928586501.2/13

Right: 0.095+/-0.000

χ^2/NDF : 19125643372.9/35

Right Out: 0.151+/-0.000

χ^2/NDF : 12653743155.9/18

In: 0.291+/-0.000

χ^2/NDF : 24680517344.8/29

Out: 0.202+/-0.000

χ^2/NDF : 36690310153.3/32

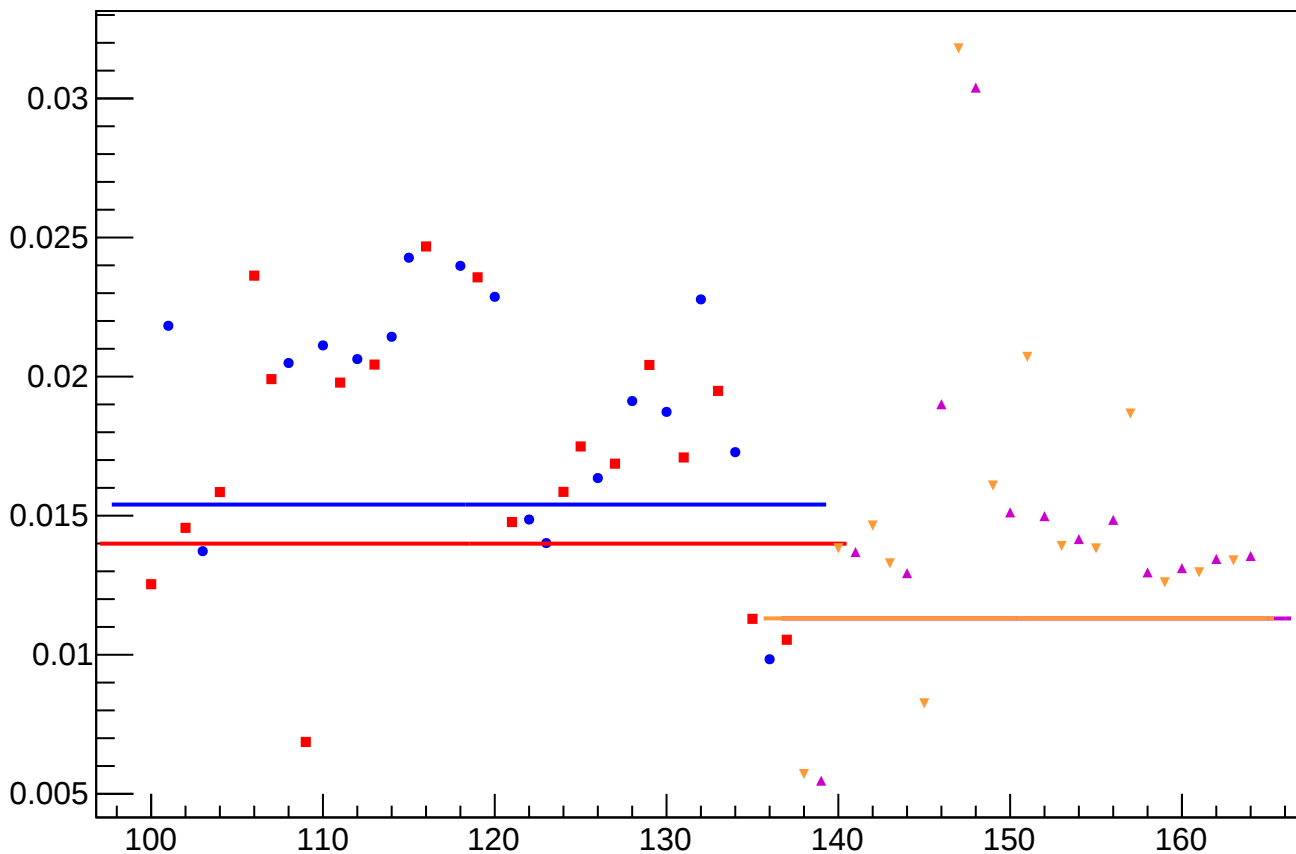
Left In: 0.386+/-0.000

χ^2/NDF : 16172031706.4/12

All: 0.245+/-0.000

χ^2/NDF : 61738754006.6/6

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 : 2879751.9/13

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

Left In: 0.011+/-0.000 χ^2/NDF : 2919688.6/12

Left: 0.011+/-0.000 χ^2/NDF : 5799441.4/26

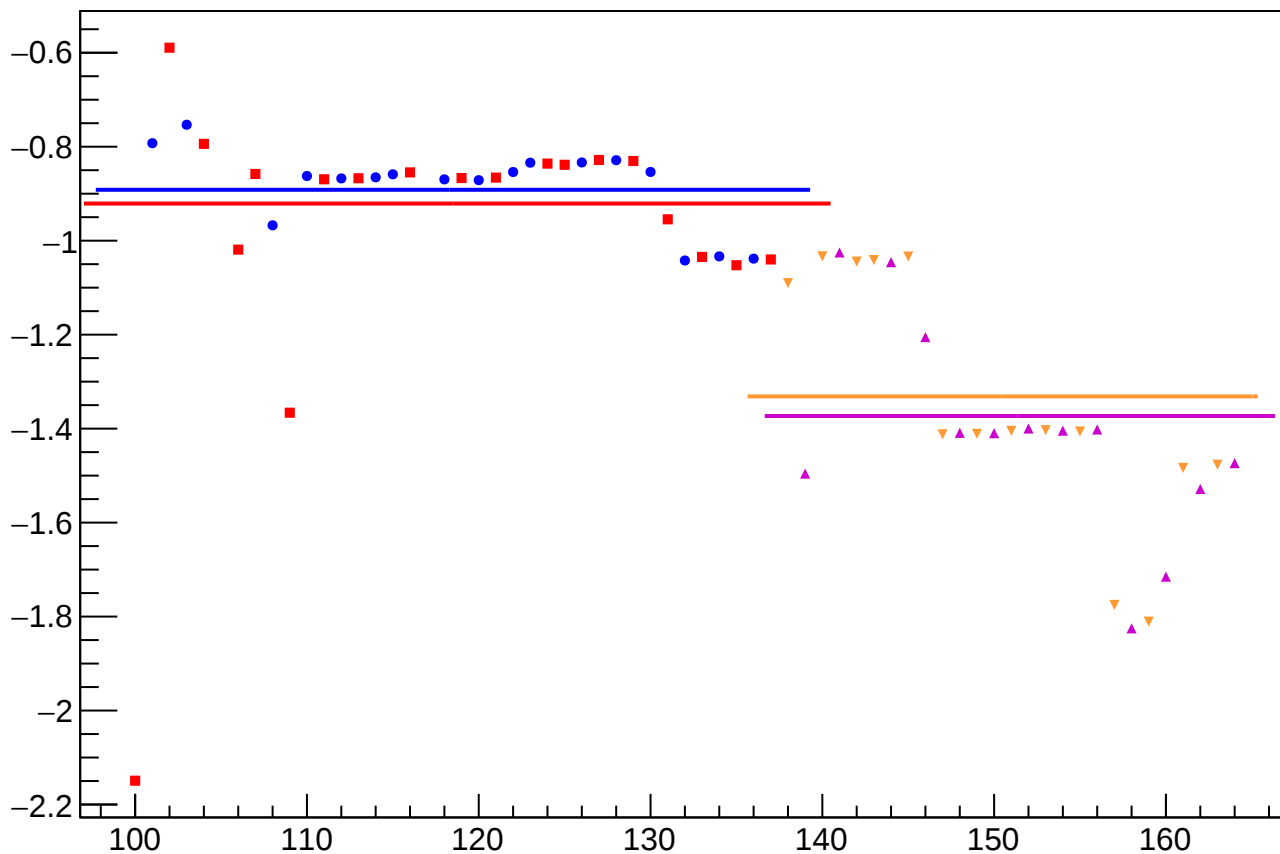
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.012+/-0.000 χ^2/NDF : 4644088.4/29

Out: 0.012+/-0.000 χ^2/NDF : 4728990.6/32

All: 0.012+/-0.000 χ^2/NDF : 9379643.3/62

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892 ± 0.000 $\chi^2/\text{NDF}: 39793337.2/16$

Left Out: -1.331 ± 0.000 $\chi^2/\text{NDF}: 461272247.8/13$

Right Out: -0.921 ± 0.000 $\chi^2/\text{NDF}: 131159330.1/18$

Left In: -1.373 ± 0.000 $\chi^2/\text{NDF}: 414920952.7/12$

Left: -1.351 ± 0.000 $\chi^2/\text{NDF}: 882800741.5/26$

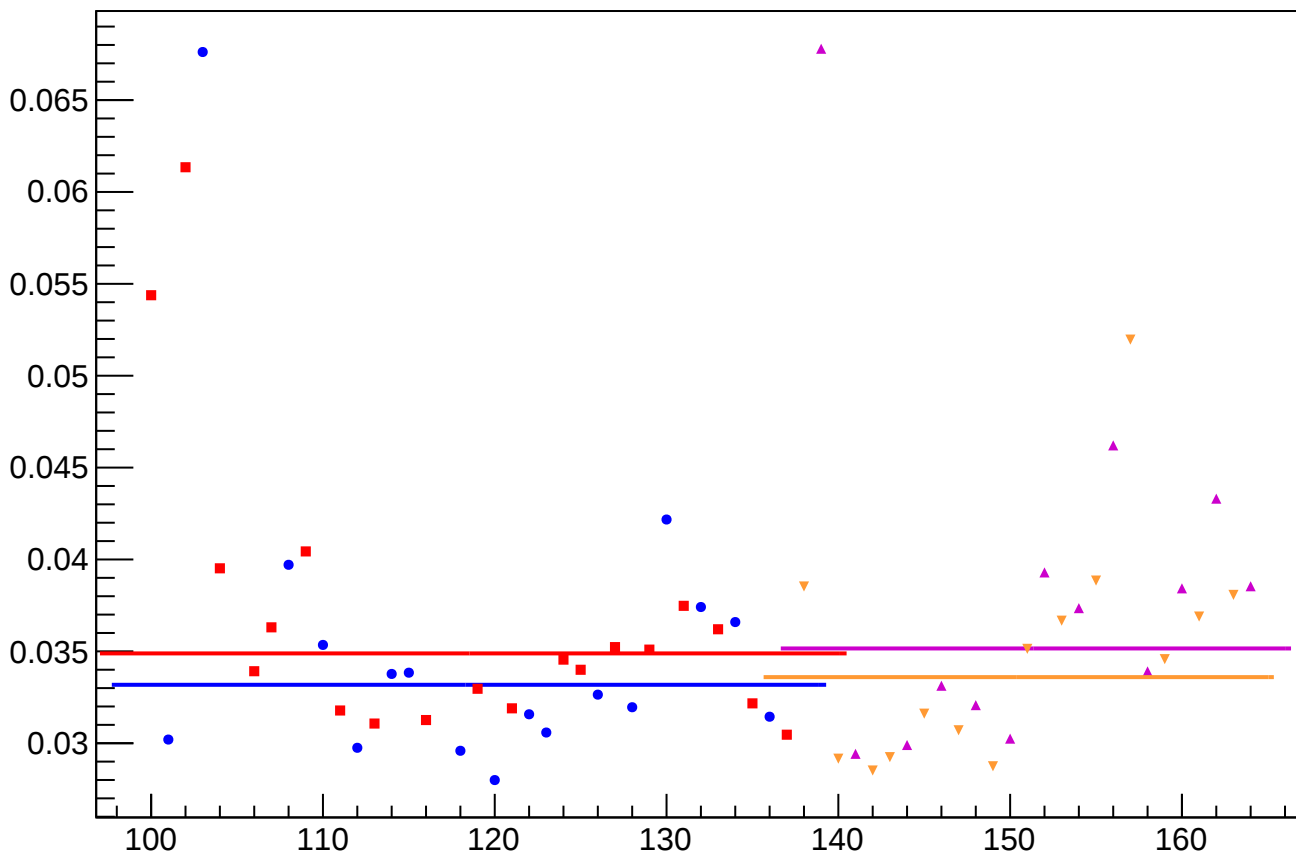
Right: -0.906 ± 0.000 $\chi^2/\text{NDF}: 173170801.3/35$

In: -1.171 ± 0.000 $\chi^2/\text{NDF}: 1164157773.3/29$

Out: -1.172 ± 0.000 $\chi^2/\text{NDF}: 1113349889.7/32$

All: -1.171 ± 0.000 $\chi^2/\text{NDF}: 2277521385.5/6$

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.034+/-0.000 χ^2/NDF :374259.9/13

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

Left In: 0.035+/-0.000 χ^2/NDF :654173.4/12

Left: 0.034+/-0.000 χ^2/NDF : 1046954.7/26

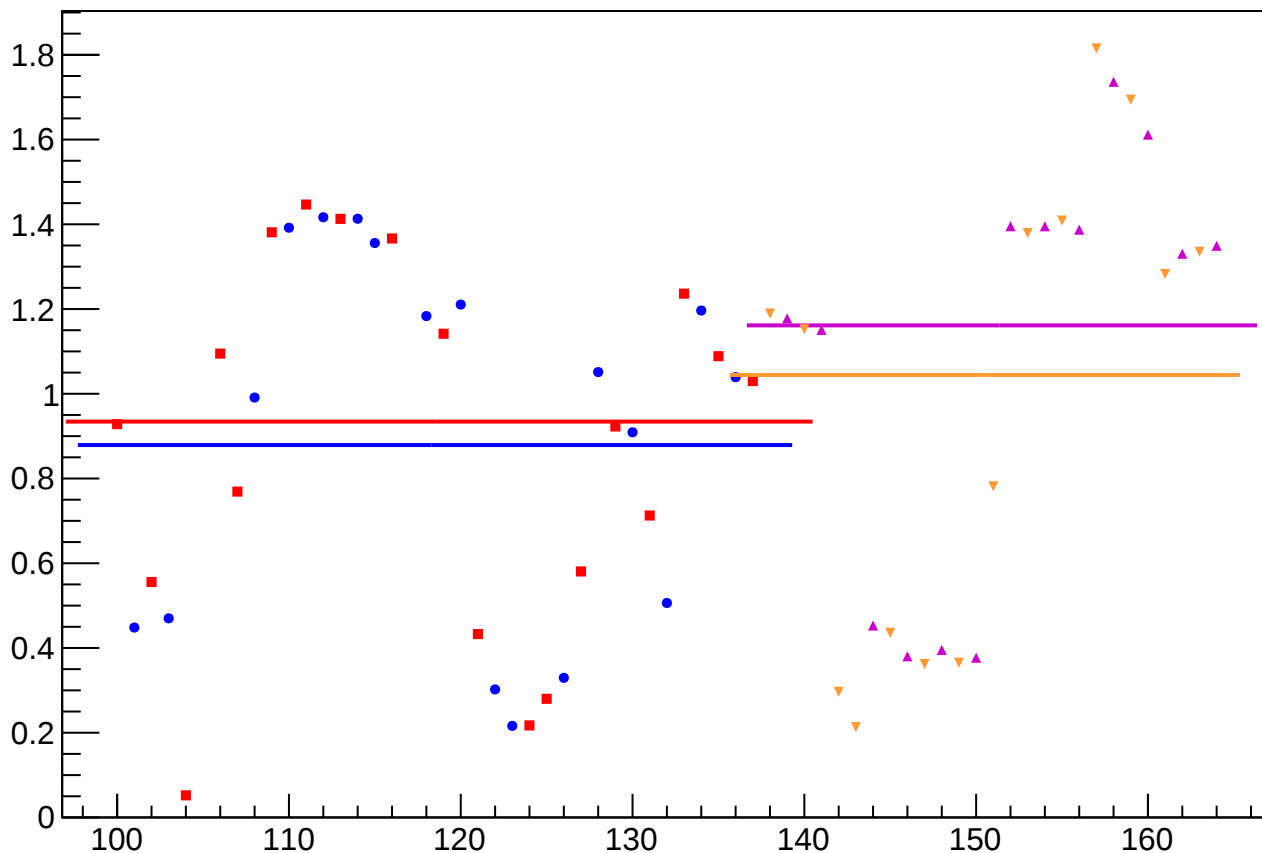
Right: 0.034+/-0.000 χ^2/NDF : 690186.6/35

In: 0.034+/-0.000 χ^2/NDF :1078218.1/29

Out: 0.034+/-0.000 χ^2/NDF :659576.4/32

All: 0.034+/-0.000 χ^2/NDF : 1738459.1/62

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 $\pm$ 0.000

χ^2/NDF : 6371602566.2/16

Left: 1.103 $\pm$ 0.000

χ^2/NDF : 52241248733.4/26

Left Out: 1.044 $\pm$ 0.000

χ^2/NDF : 29405422837.6/13

Right: 0.908 $\pm$ 0.000

χ^2/NDF : 16282606826.3/35

Right Out: 0.934 $\pm$ 0.000

χ^2/NDF : 9827120184.9/18

In: 1.078 $\pm$ 0.000

χ^2/NDF : 31301220952.8/29

Out: 1.010 $\pm$ 0.000

χ^2/NDF : 39705243999.7/32

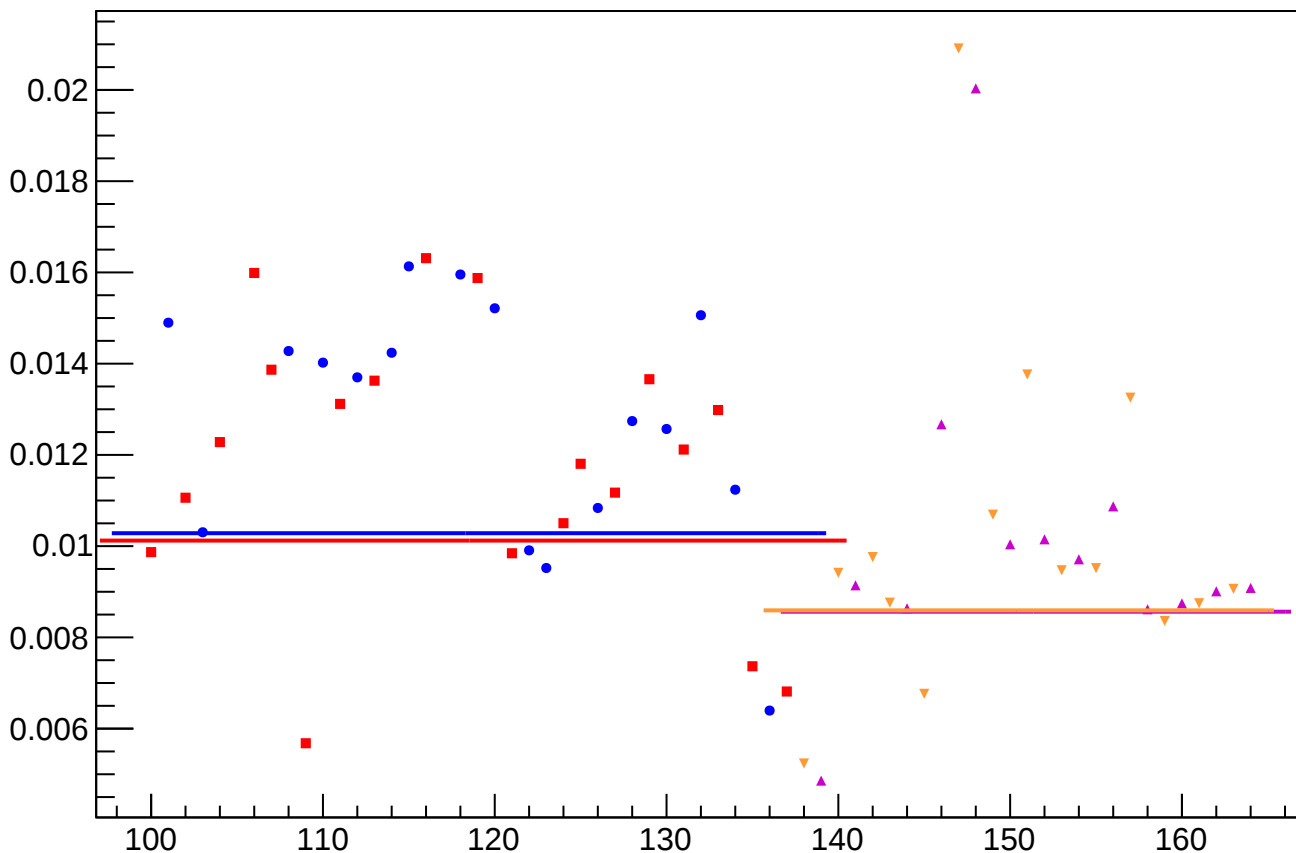
Left In: 1.161 $\pm$ 0.000

χ^2/NDF : 21983022513.2/12

All: 1.043 $\pm$ 0.000

χ^2/NDF : 71416620244.1/6

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 : 1657768.7/13

Right Out: 0.010+/-0.000 χ^2/NDF : 1176642.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 1617898.2/12

Left: 0.009+/-0.000 χ^2/NDF : 3275773.8/26

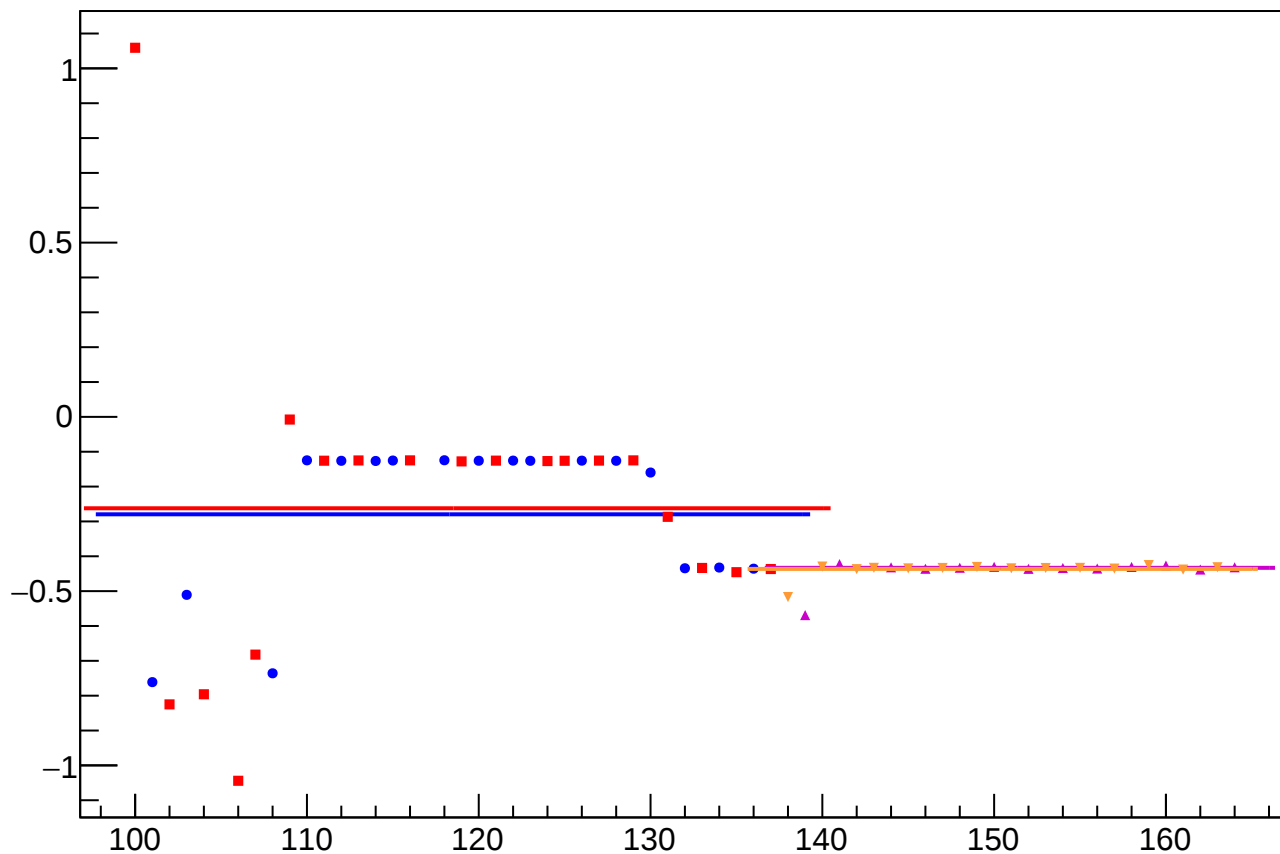
Right: 0.010+/-0.000 χ^2/NDF : 2385530.8/35

In: 0.009+/-0.000 χ^2/NDF : 3044025.4/29

Out: 0.009+/-0.000 χ^2/NDF : 3017254.0/32

All: 0.009+/-0.000 χ^2/NDF : 6061280.1/62

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 $\chi^2/\text{NDF}: 929210245.5/16$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 25617026.2/13$

Right Out: -0.262 ± 0.000 $\chi^2/\text{NDF}: 1006263824.6/18$

Left In: -0.433 ± 0.000 $\chi^2/\text{NDF}: 19530253.7/12$

Left: -0.435 ± 0.000 $\chi^2/\text{NDF}: 45565466.3/26$

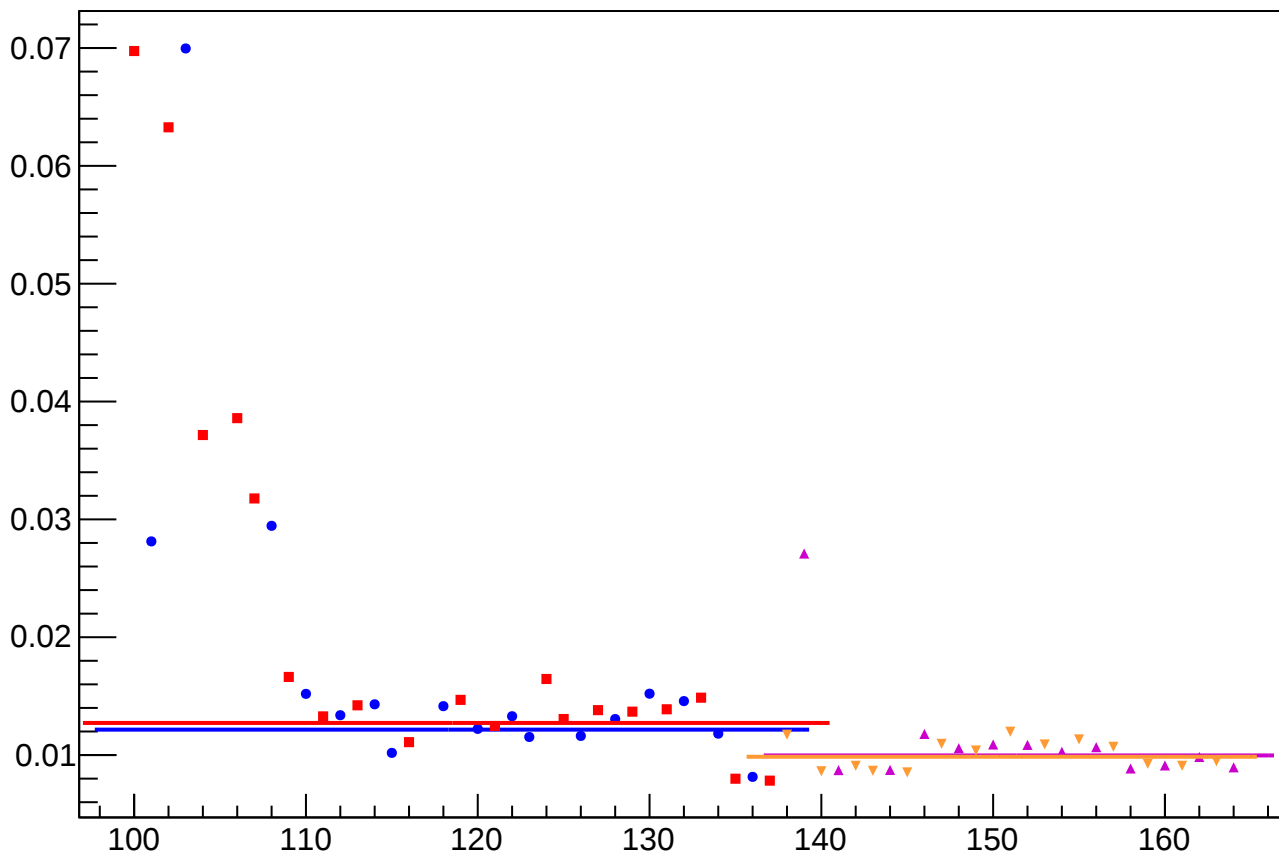
Right: -0.271 ± 0.000 $\chi^2/\text{NDF}: 1940066892.0/35$

In: -0.392 ± 0.000 $\chi^2/\text{NDF}: 1491271894.2/29$

Out: -0.393 ± 0.000 $\chi^2/\text{NDF}: 1708858512.2/32$

All: -0.392 ± 0.000 $\chi^2/\text{NDF}: 3200172306.6/6$

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010+/-0.000 χ^2/NDF :225377.6/13

Right Out: 0.013+/-0.000 χ^2/NDF : 1967397.9/18

Left In: 0.010+/-0.000 χ^2/NDF :731179.9/12

Left: 0.010+/-0.000 χ^2/NDF : 957650.3/26

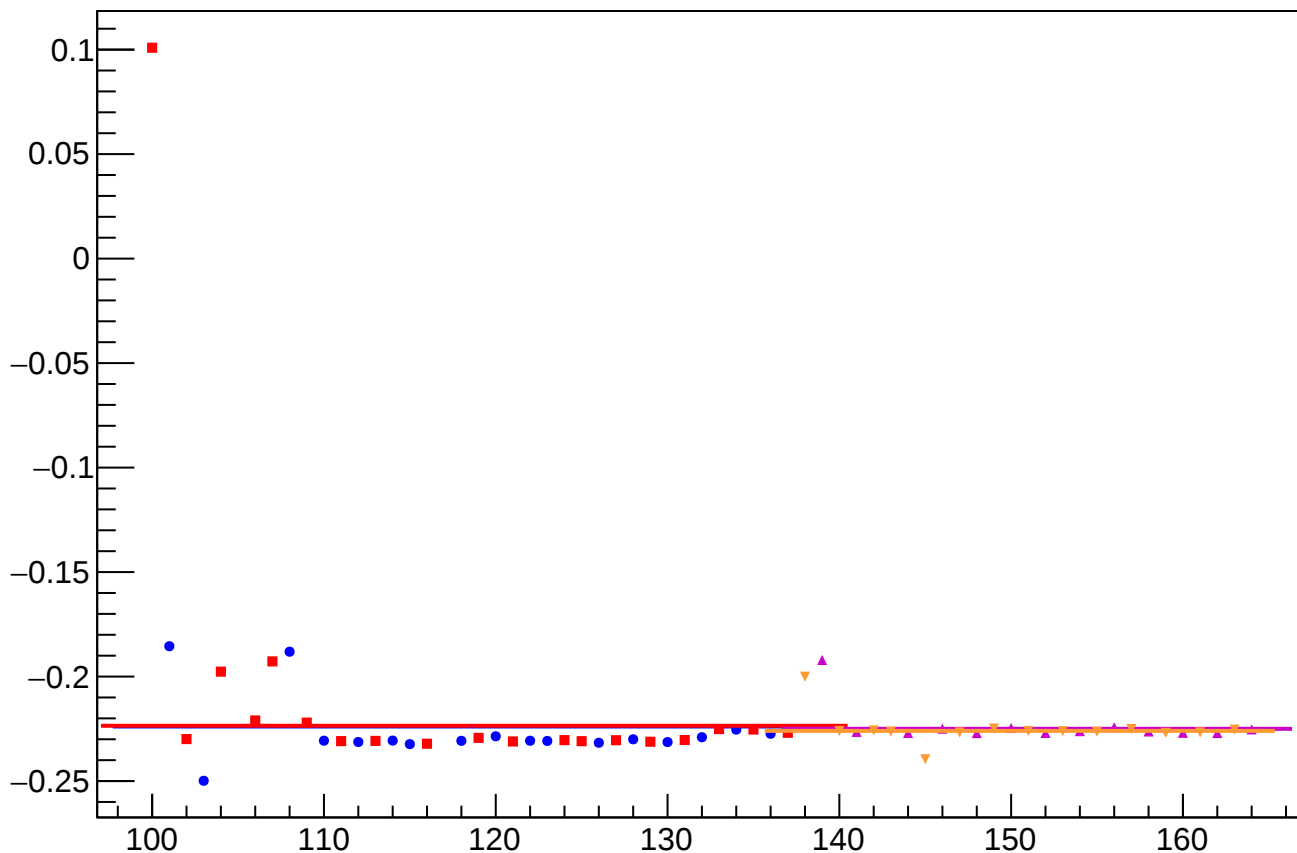
Right: 0.012+/-0.000 χ^2/NDF : 3700041.2/35

In: 0.011+/-0.000 χ^2/NDF :2674555.2/29

Out: 0.011+/-0.000 χ^2/NDF :2560957.4/32

All: 0.011+/-0.000 χ^2/NDF : 5235549.0/62

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 : 20585400.1/13

Right Out: -0.224 ± 0.000 χ^2/NDF : 168124199.3/18

Left In: -0.225 ± 0.000 χ^2/NDF : 12745982.1/12

Left: -0.226 ± 0.000 χ^2/NDF : 33504023.0/26

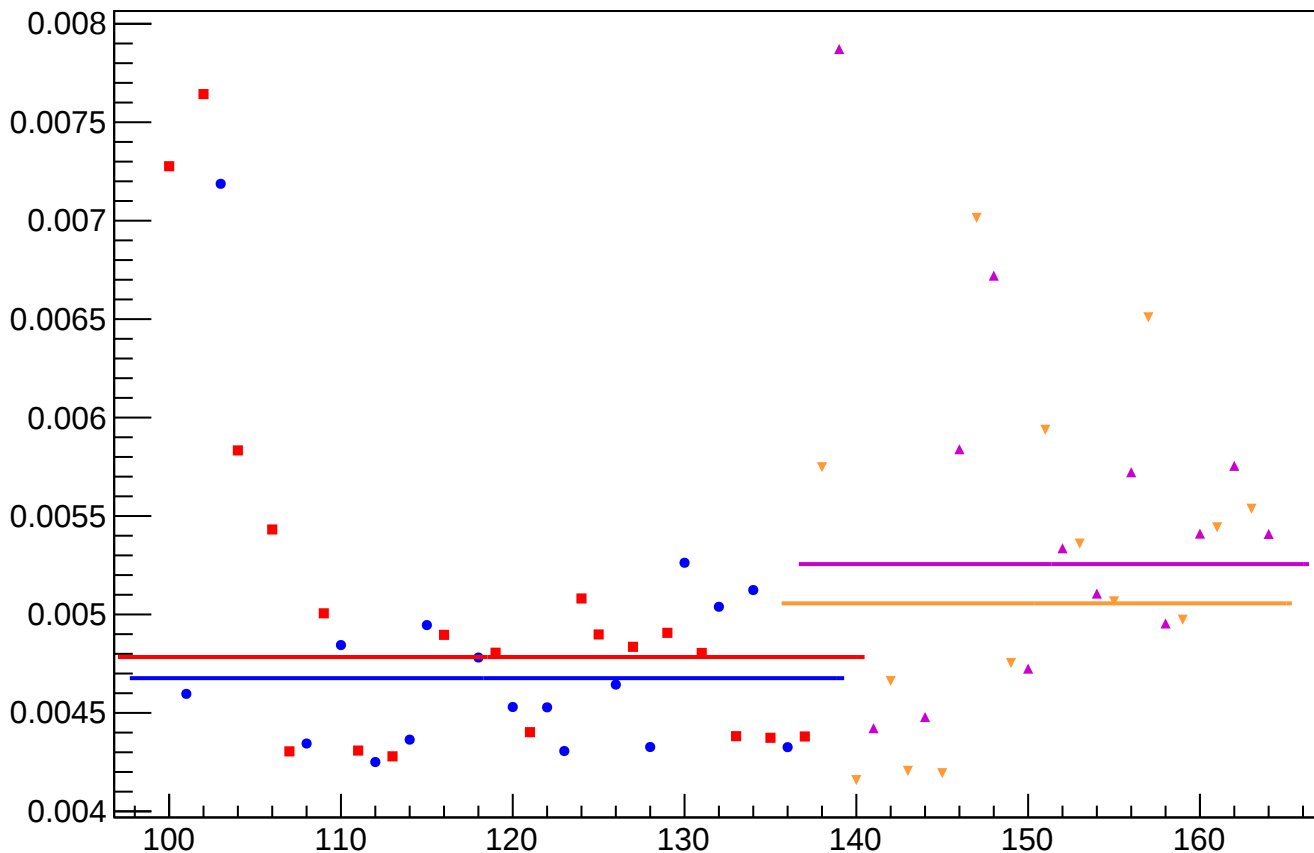
Right: -0.224 ± 0.000 χ^2/NDF : 242740169.2/35

In: -0.225 ± 0.000 χ^2/NDF : 87538770.7/29

Out: -0.225 ± 0.000 χ^2/NDF : 189662933.4/32

All: -0.225 ± 0.000 χ^2/NDF : 277262134.7/62

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 : 446728.9/13

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 392515.0/12

Left: 0.005+/-0.000 χ^2/NDF : 853637.6/26

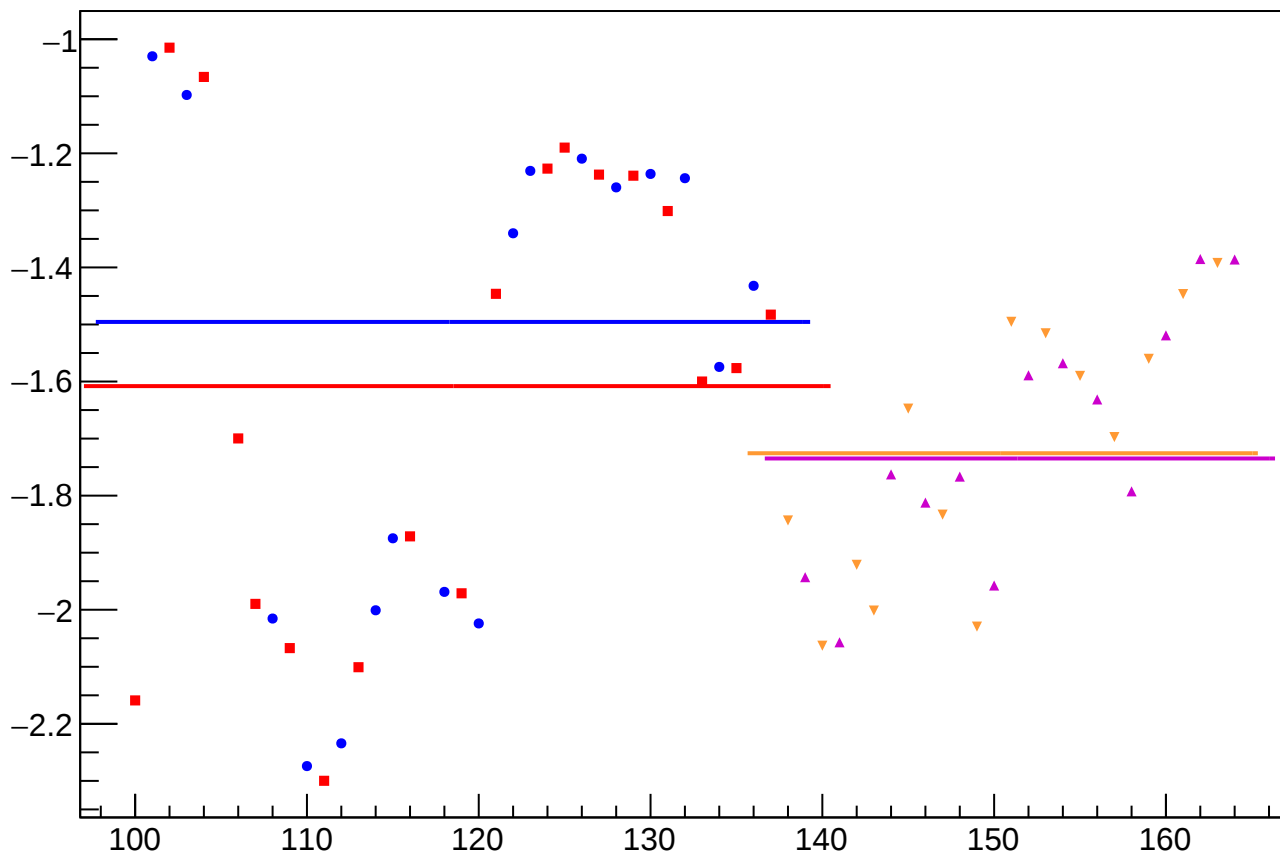
Right: 0.005+/-0.000 χ^2/NDF : 432242.2/35

In: 0.005+/-0.000 χ^2/NDF : 676151.9/29

Out: 0.005+/-0.000 χ^2/NDF : 718865.5/32

All: 0.005+/-0.000 χ^2/NDF : 1397320.4/62

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.726+/-0.000 χ^2/NDF : 13307563083.7/13

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.735+/-0.000 χ^2/NDF : 10391742471.3/12

Left: -1.730+/-0.000 χ^2/NDF : 23709985998.1/26

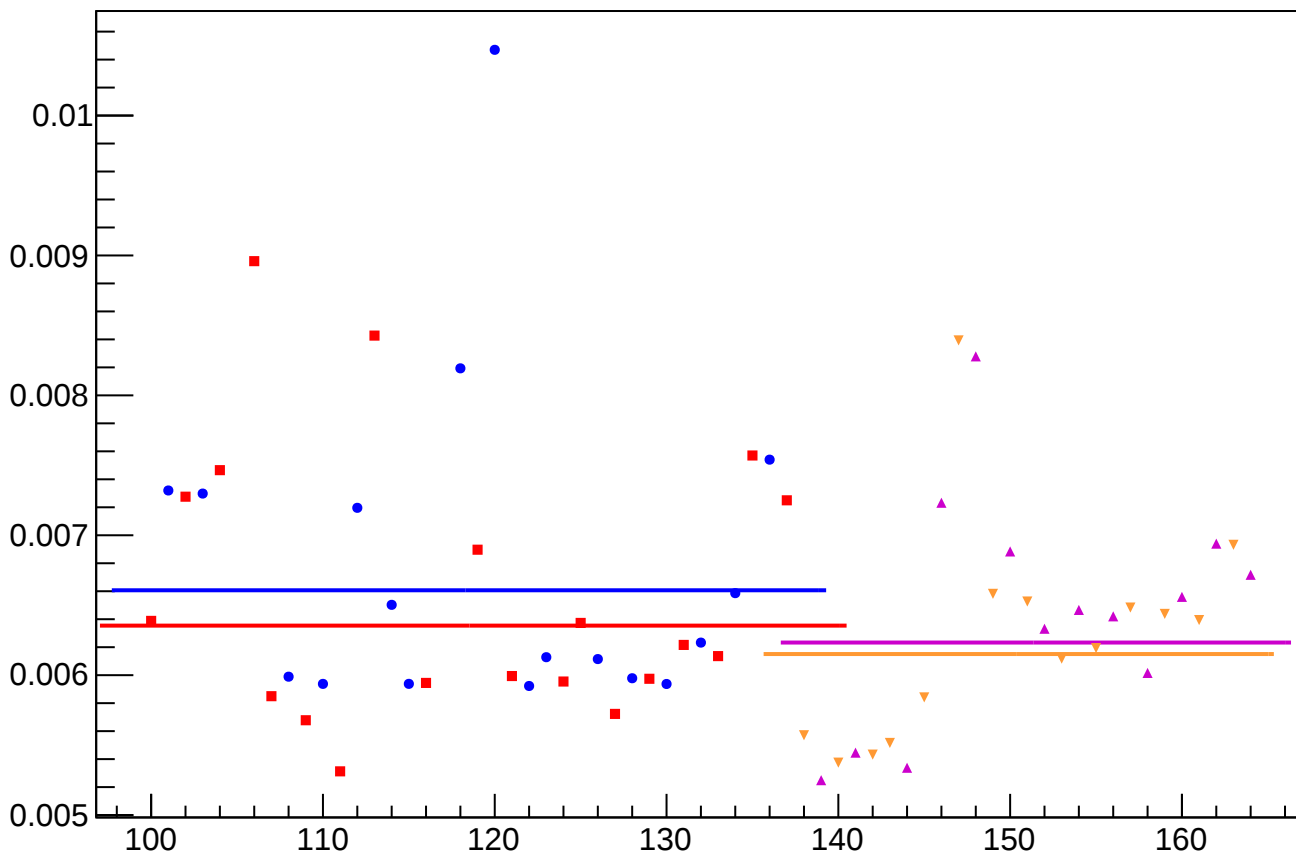
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.649+/-0.000 χ^2/NDF : 37987793129.9/29

Out: -1.680+/-0.000 χ^2/NDF : 42551082252.4/32

All: -1.665+/-0.000 χ^2/NDF : 80743239489.1/65

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF : 222848.5/13

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

Left In: 0.006+/-0.000 χ^2/NDF : 289399.1/12

Left: 0.006+/-0.000 χ^2/NDF : 513962.4/26

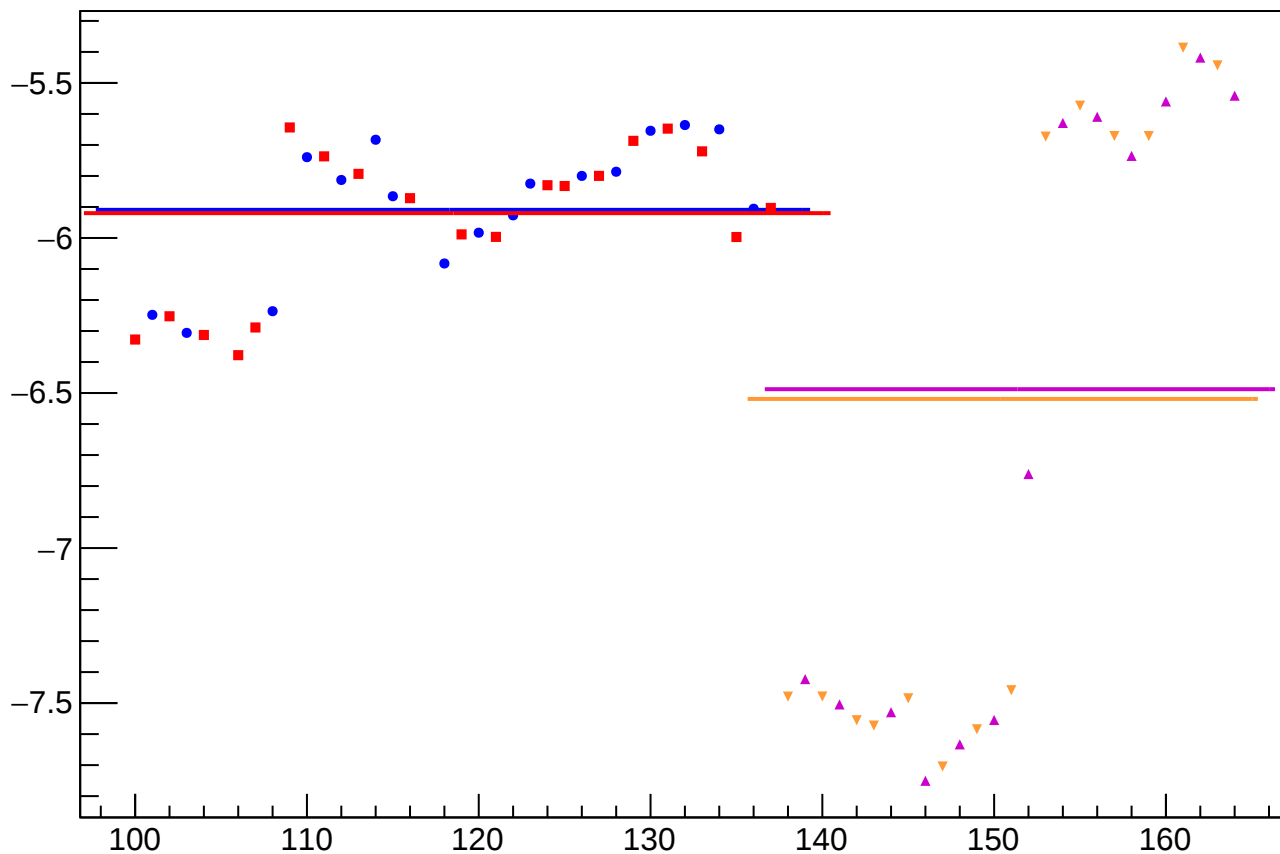
Right: 0.006+/-0.000 χ^2/NDF : 438183.3/35

In: 0.006+/-0.000 χ^2/NDF : 515517.3/29

Out: 0.006+/-0.000 χ^2/NDF : 458427.8/32

All: 0.006+/-0.000 χ^2/NDF : 981713.2/62

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.519+/-0.000 χ^2/NDF : 137072606853.4/13

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

Left In: -6.488+/-0.000 χ^2/NDF : 118485816612.5/12

Left: -6.504+/-0.000 χ^2/NDF : 255626548529.1/26

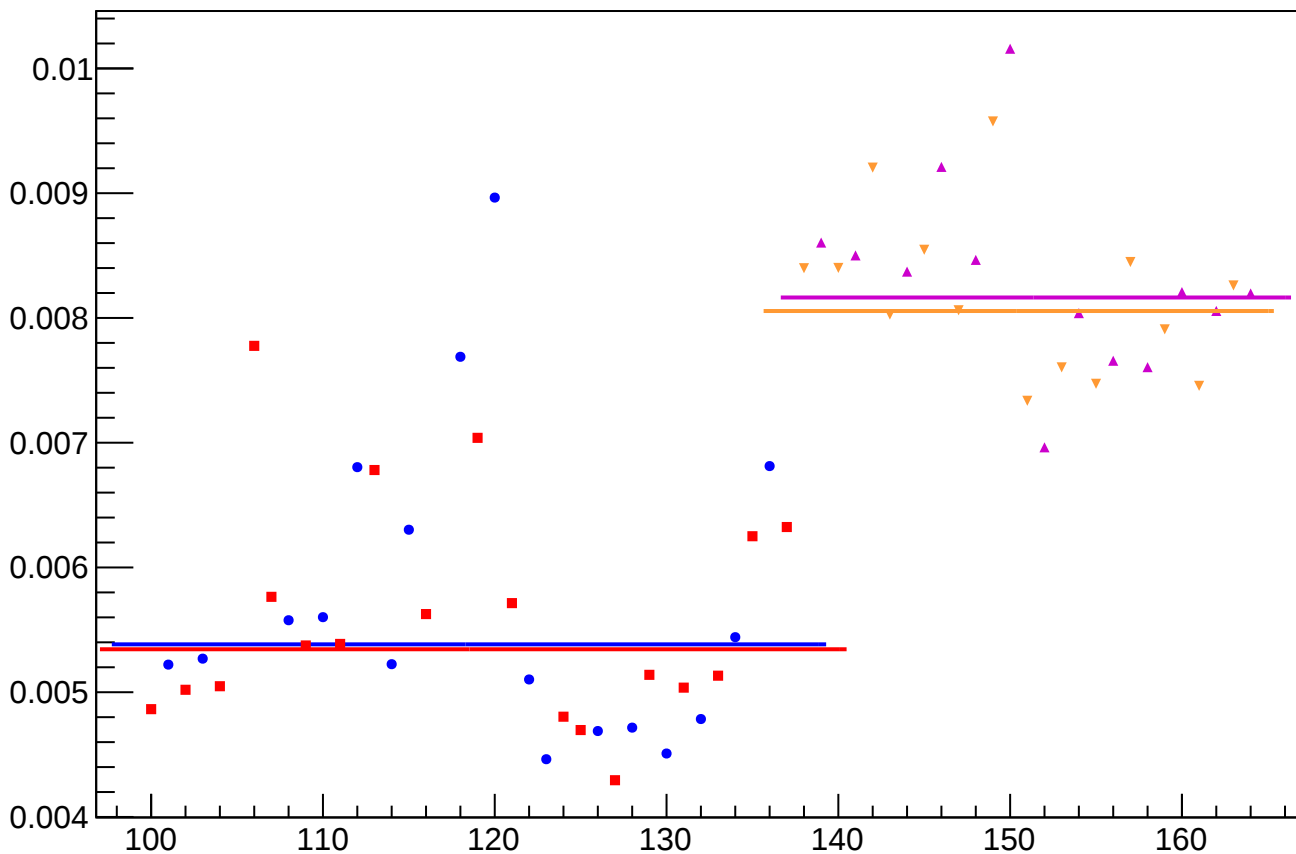
Right: -5.915+/-0.000 χ^2/NDF : 23922455242.5/35

In: -6.142+/-0.000 χ^2/NDF : 156871904175.5/29

Out: -6.151+/-0.000 χ^2/NDF : 180728851540.5/32

All: -6.147+/-0.000 χ^2/NDF : 337614047373.2

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 :94320.9/13

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :139794.6/12

Left: 0.008+/-0.000 χ^2/NDF : 235738.0/26

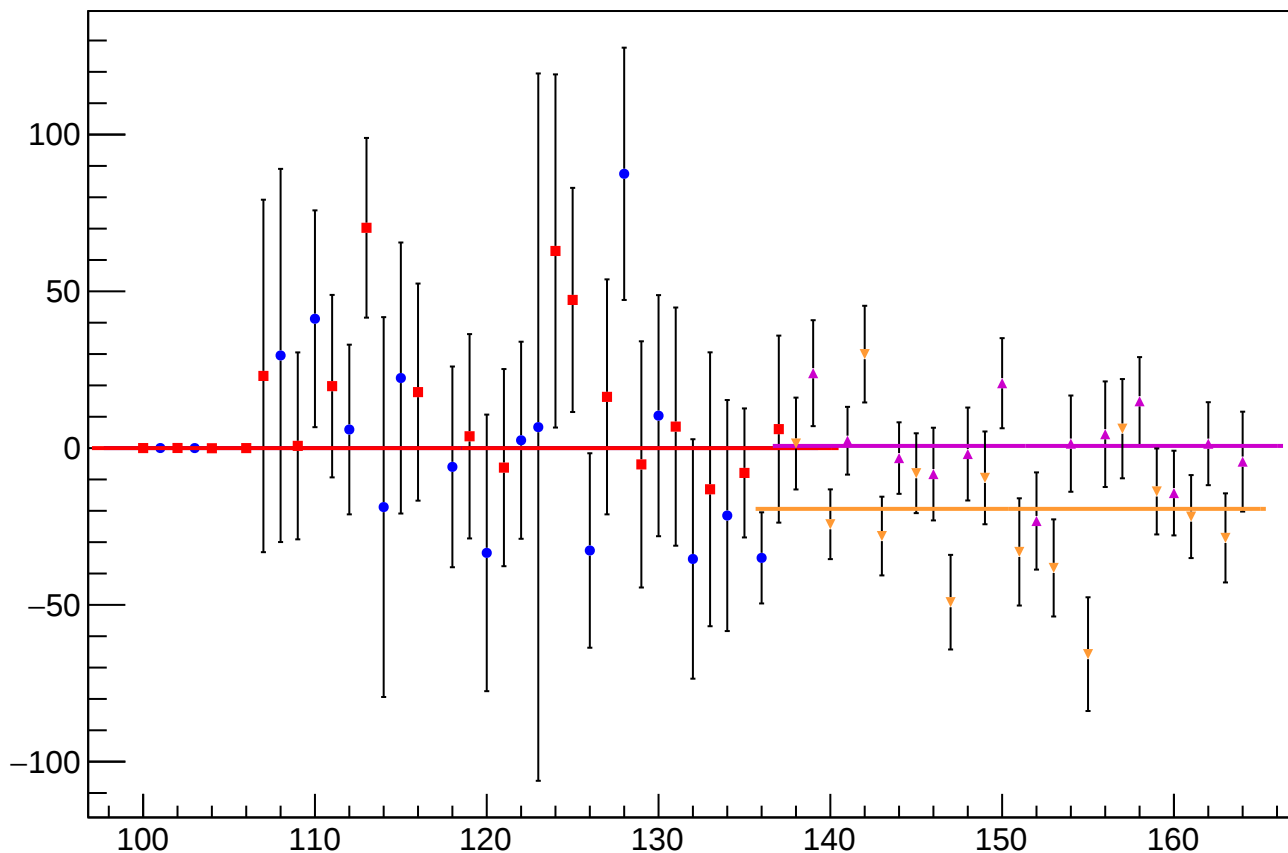
Right: 0.005+/-0.000 χ^2/NDF : 592657.5/35

In: 0.007+/-0.000 χ^2/NDF :1747256.7/29

Out: 0.006+/-0.000 χ^2/NDF :1603516.4/32

All: 0.006+/-0.000 χ^2/NDF : 3355311.7/62

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -19.378 ± 3.806 χ^2/NDF : 30.0/13

Right Out: -0.003 ± 0.016 χ^2/NDF : 15.3/18

Left In: 0.697 ± 3.897 χ^2/NDF : 9.2/12

Left: -9.577 ± 2.723 χ^2/NDF : 52.7/26

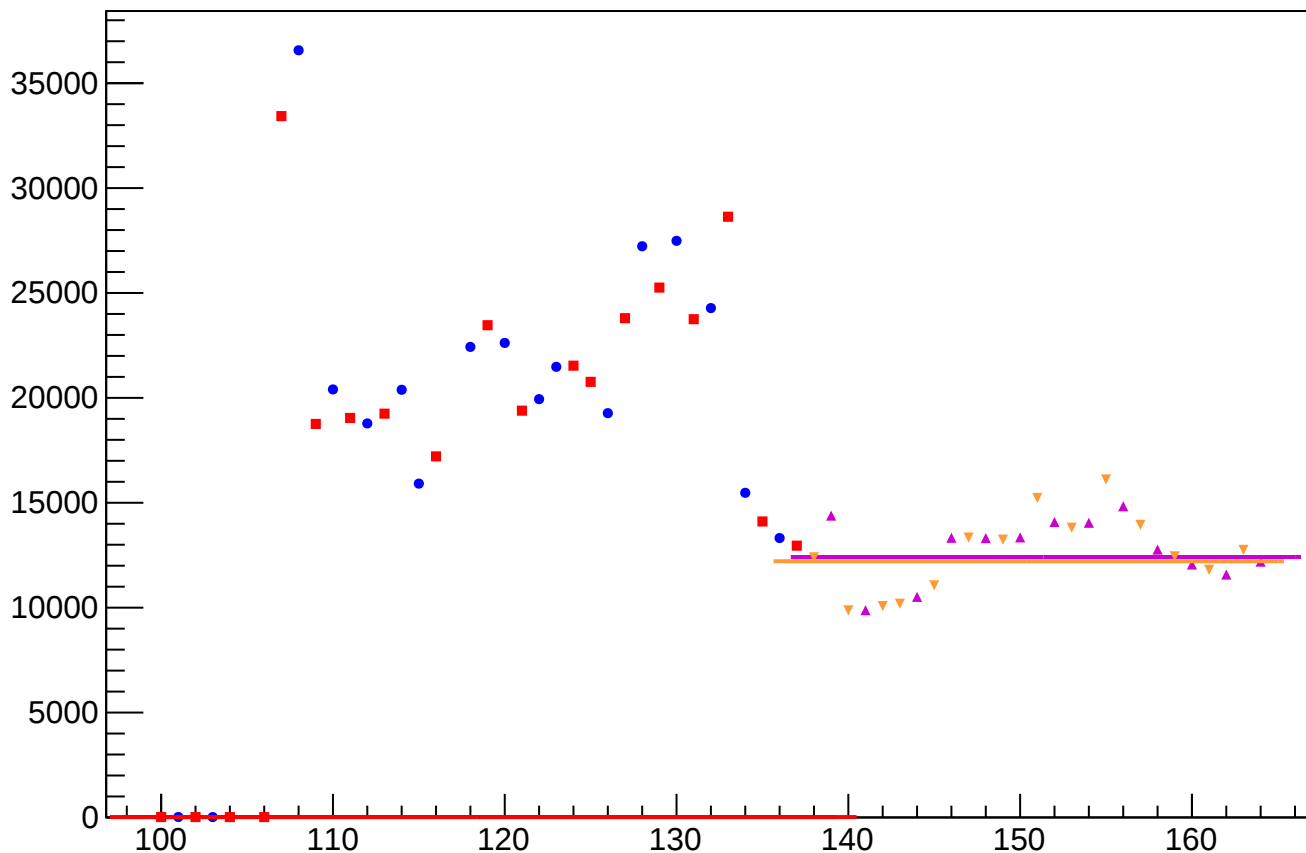
Right: 0.004 ± 0.012 χ^2/NDF : 31.6/35

In: 0.013 ± 0.017 χ^2/NDF : 25.0/29

Out: -0.004 ± 0.016 χ^2/NDF : 71.2/32

All: 0.004 ± 0.012 χ^2/NDF : 96.6/62

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641 ± 0.012 χ^2/NDF : 10841561.4/16

Left Out: 12213.168 ± 2.691 χ^2/NDF : 421901.1/13

Right Out: 18.311 ± 0.011 χ^2/NDF : 11103320.8/18

Left In: 12415.160 ± 2.756 χ^2/NDF : 314550.2/12

Left: 12311.781 ± 1.925 χ^2/NDF : 739201.0/26

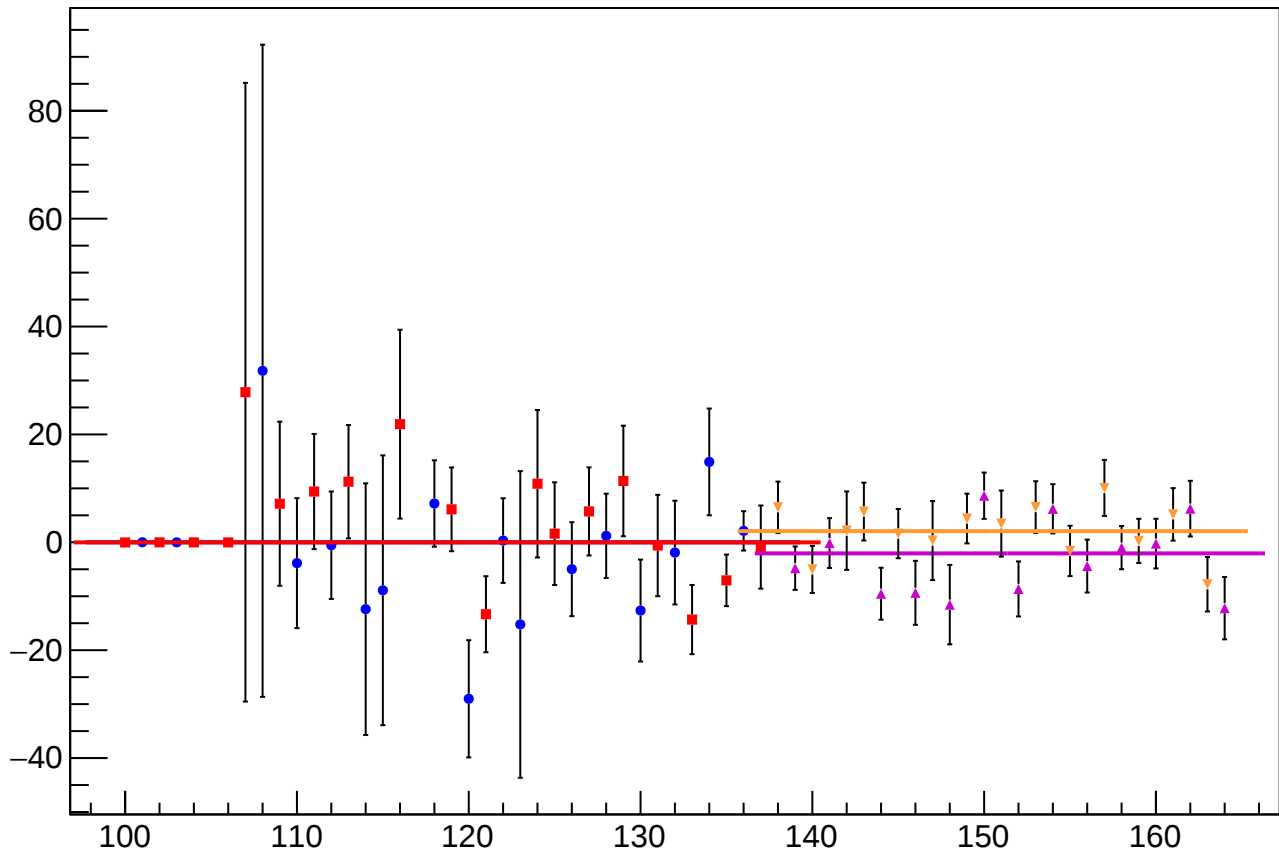
Right: 18.464 ± 0.008 χ^2/NDF : 21945270.7/35

In: 18.886 ± 0.012 χ^2/NDF : 31391694.7/29

Out: 18.529 ± 0.011 χ^2/NDF : 32054409.7/32

All: 18.694 ± 0.008 χ^2/NDF : 63446561.3/62

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 2.076 $\pm$ 1.339 χ^2 /NDF:12.6/13

Right Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

Left In: -2.053 $\pm$ 1.339 χ^2 /NDF:23.5/12

Left: 0.012 $\pm$ 0.947 χ^2 /NDF: 40.9/26

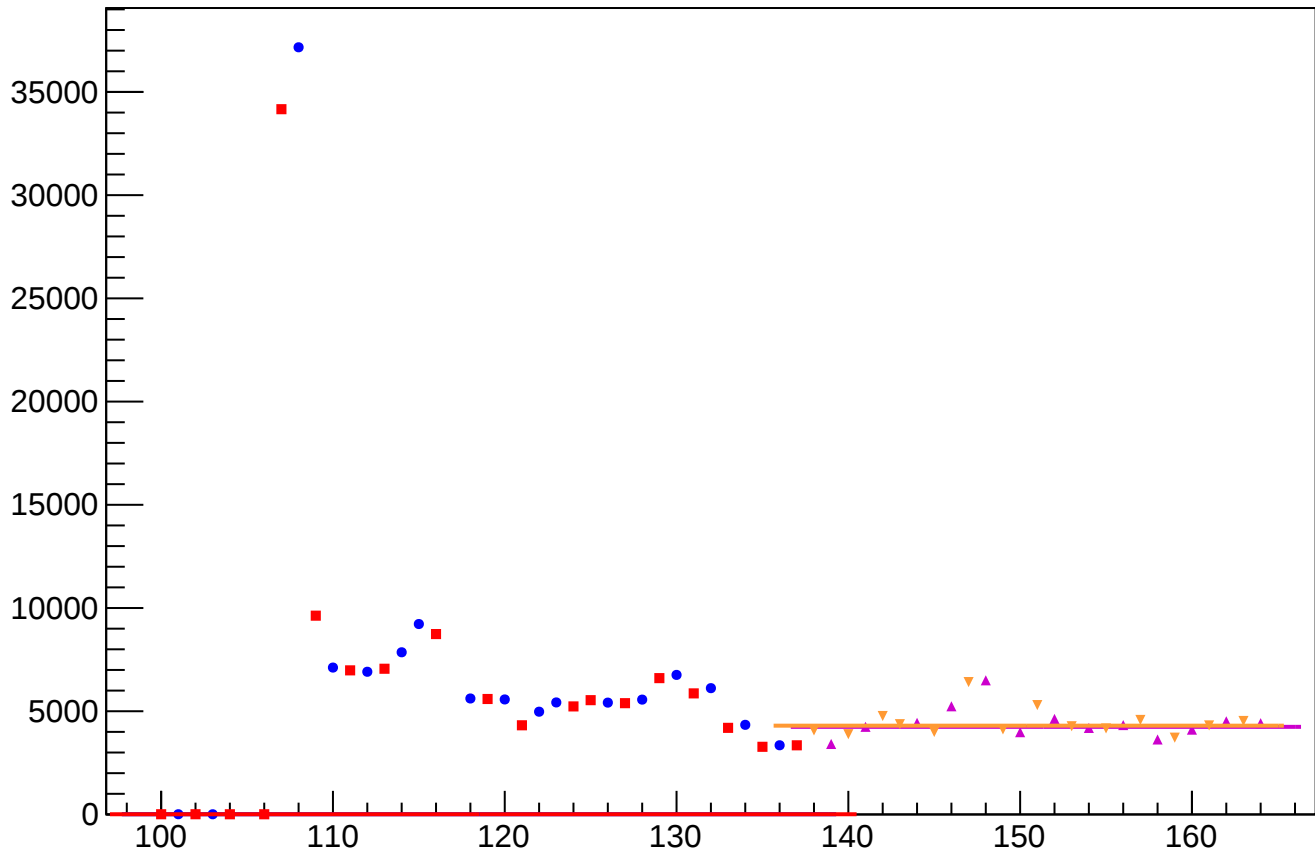
Right: -0.007 $\pm$ 0.006 χ^2 /NDF: 34.7/35

In: 0.001 $\pm$ 0.009 χ^2 /NDF:40.8/29

Out: -0.014 $\pm$ 0.009 χ^2 /NDF:33.4/32

All: -0.007 $\pm$ 0.006 χ^2 /NDF: 75.6/62

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10973577.1/16

Left Out: 4300.967 $\pm$ 0.946 χ^2 /NDF:314153.3/13

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11152667.7/18

Left In: 4244.028 $\pm$ 0.947 χ^2 /NDF:407073.4/12

Left: 4272.502 $\pm$ 0.669 χ^2 /NDF: 723036.0/26

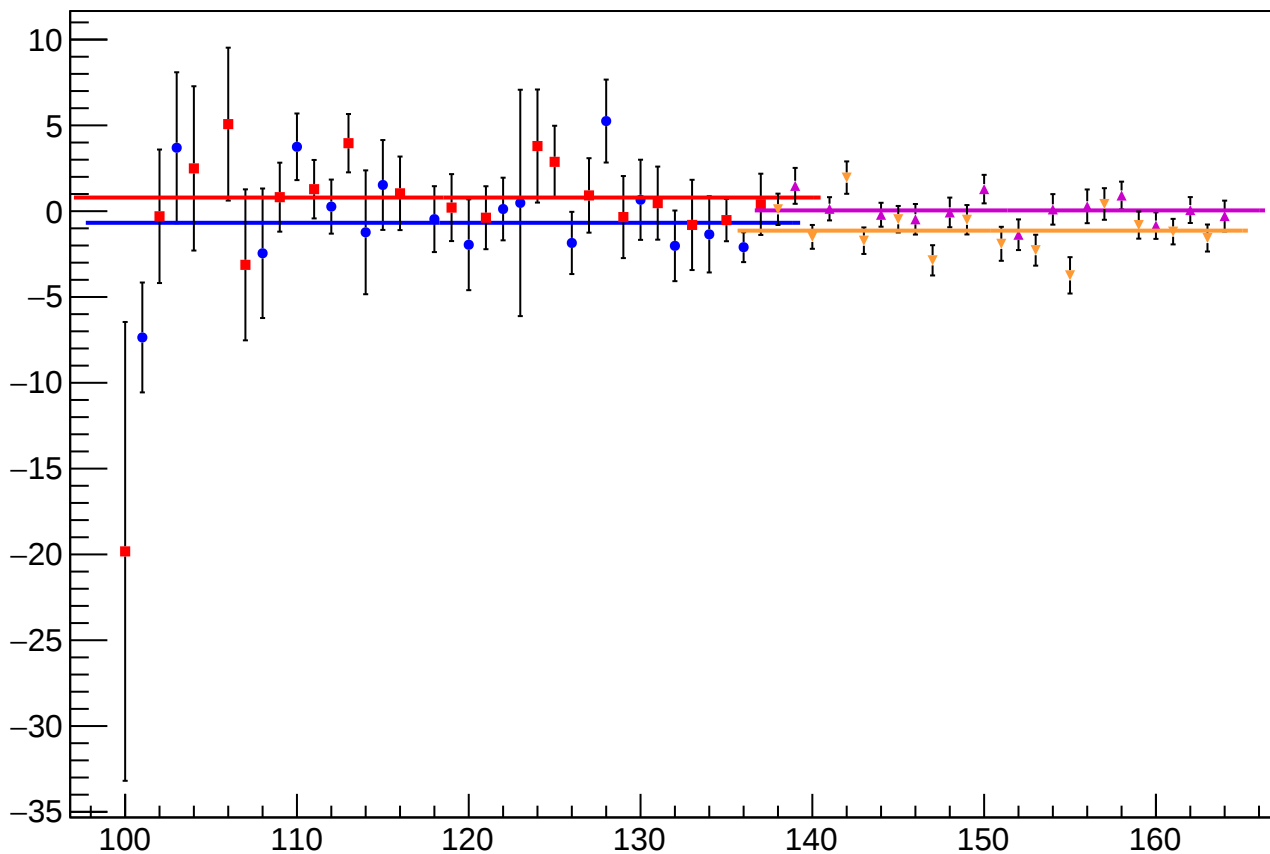
Right: 9.894 $\pm$ 0.004 χ^2 /NDF: 22126332.7/35

In: 10.138 $\pm$ 0.007 χ^2 /NDF:31385064.8/29

Out: 10.033 $\pm$ 0.006 χ^2 /NDF:32020333.8/32

All: 10.083 $\pm$ 0.004 χ^2 /NDF: 63405535.6/62

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -1.133 ± 0.225 $\chi^2/\text{NDF}: 30.1/13$

Right Out: 0.795 ± 0.501 $\chi^2/\text{NDF}: 12.0/18$

Left In: 0.045 ± 0.230 $\chi^2/\text{NDF}: 9.8/12$

Left: -0.556 ± 0.161 $\chi^2/\text{NDF}: 53.3/26$

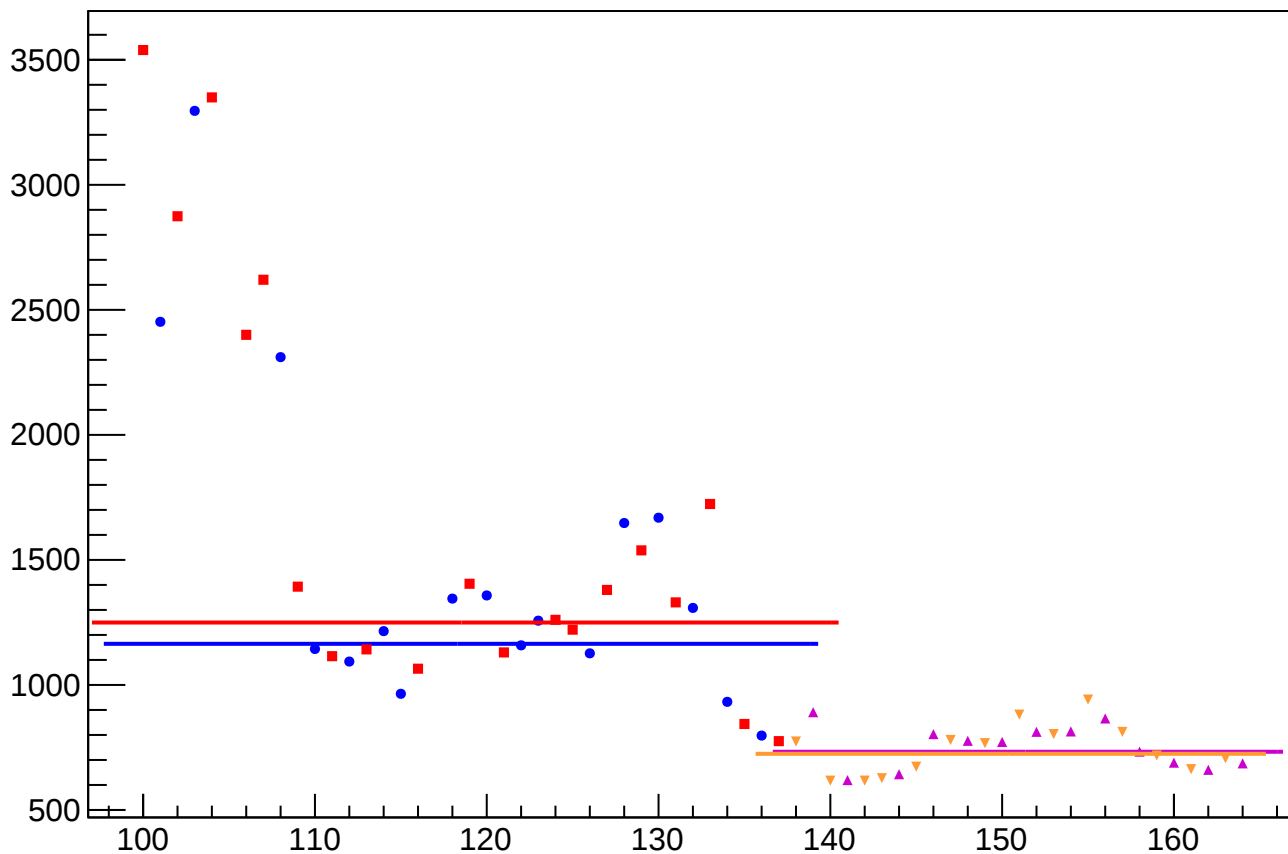
Right: 0.033 ± 0.348 $\chi^2/\text{NDF}: 38.7/35$

In: -0.087 ± 0.207 $\chi^2/\text{NDF}: 33.9/29$

Out: -0.809 ± 0.205 $\chi^2/\text{NDF}: 54.4/32$

All: -0.452 ± 0.146 $\chi^2/\text{NDF}: 94.4/62$

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 724.604+/-0.159 χ^2/NDF : 315098.2/13

Right Out: 1249.596+/-0.354 χ^2/NDF : 1650133.1/18

Left In: 732.846+/-0.162 χ^2/NDF : 256462.8/12

Left: 728.644+/-0.114 χ^2/NDF : 572874.9/26

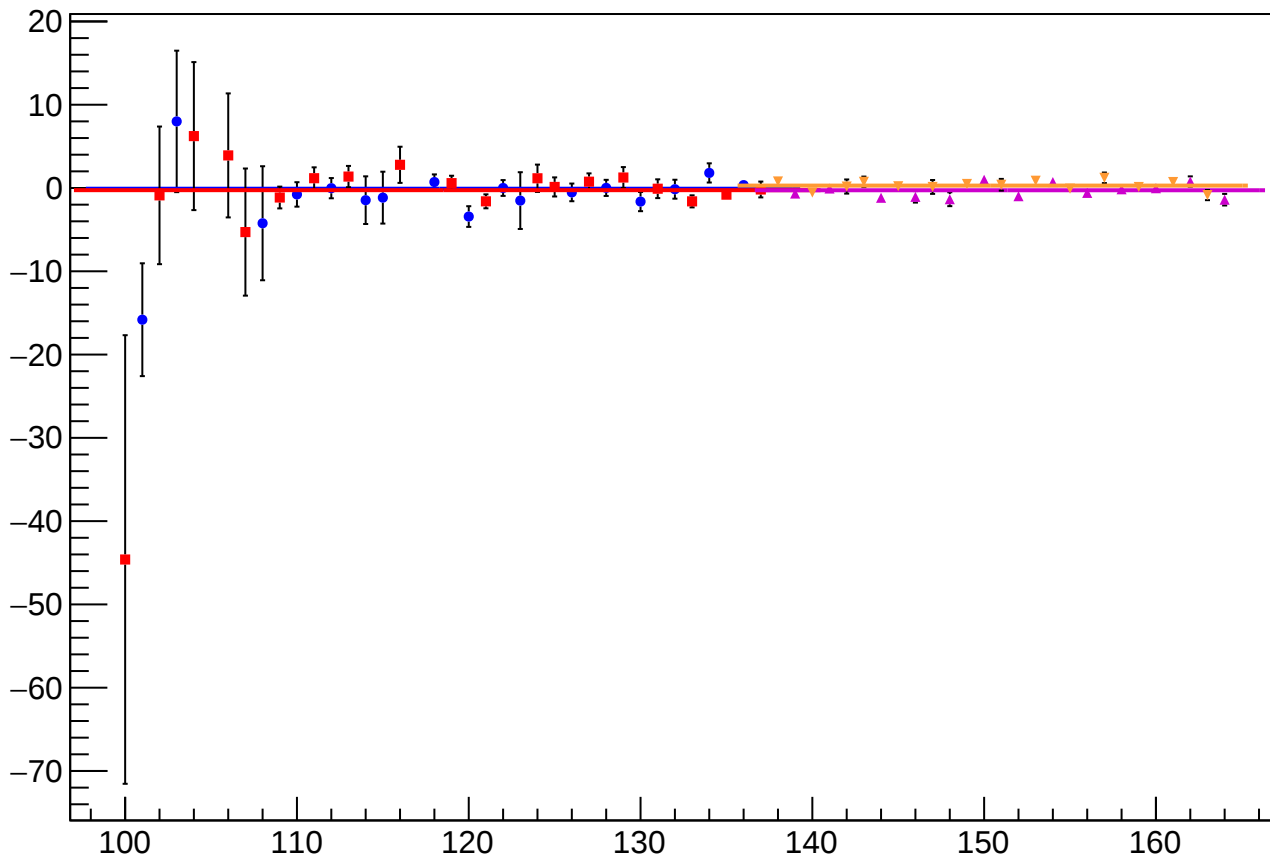
Right: 1205.546+/-0.246 χ^2/NDF : 3264193.7/35

In: 812.116+/-0.147 χ^2/NDF : 3138310.7/29

Out: 812.725+/-0.145 χ^2/NDF : 3790621.3/32

All: 812.424+/-0.103 χ^2/NDF : 6928940.7/62

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.290 ± 0.160 χ^2/NDF : 11.8/13

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

Left In: -0.270 ± 0.161 χ^2/NDF : 23.0/12

Left: 0.011 ± 0.114 χ^2/NDF : 40.8/26

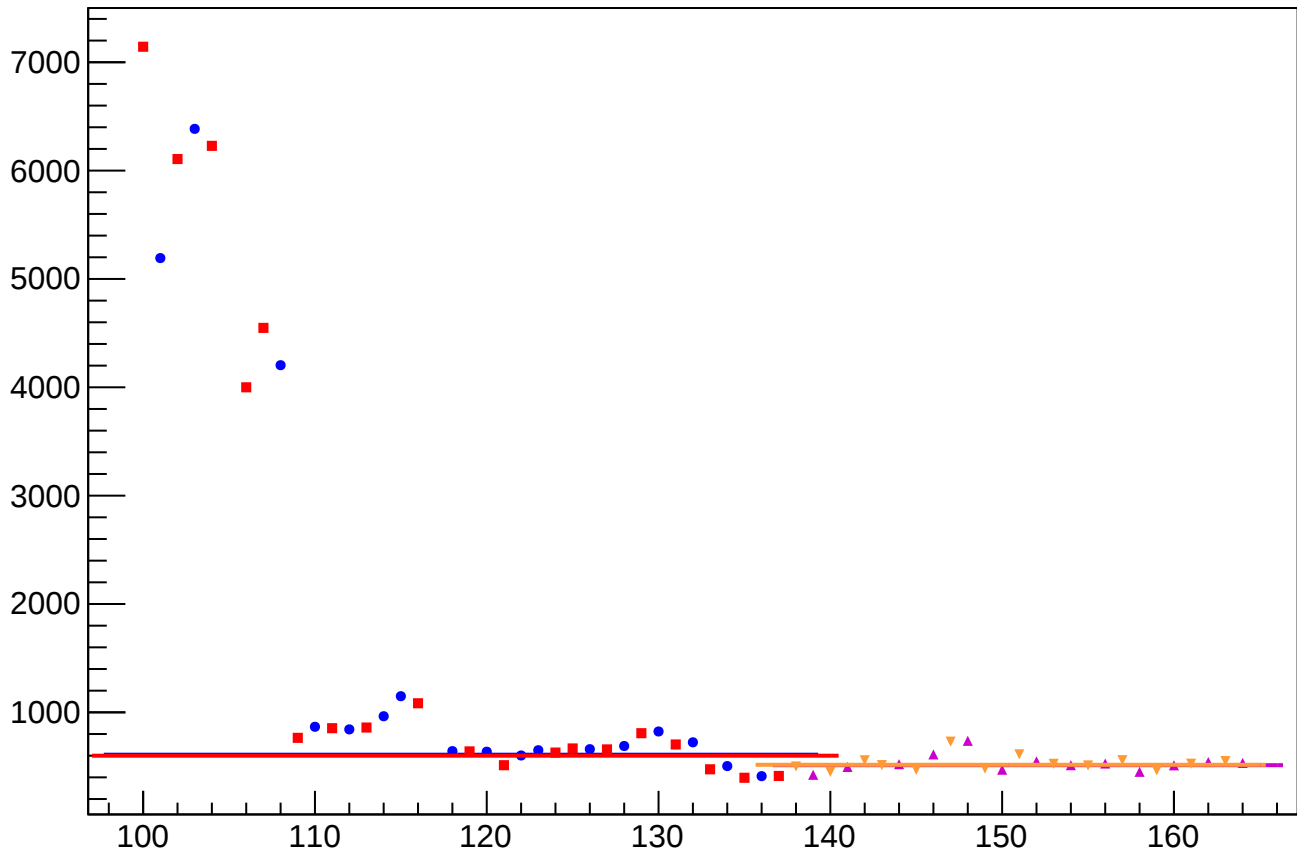
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.222 ± 0.138 χ^2/NDF : 44.4/29

Out: 0.142 ± 0.137 χ^2/NDF : 35.4/32

All: -0.038 ± 0.097 χ^2/NDF : 83.3/62

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 516.086+/-0.113 χ^2/NDF : 269501.4/13

Right Out: 599.910+/-0.187 χ^2/NDF : 3547599.8/18

Left In: 512.340+/-0.114 χ^2/NDF : 310330.8/12

Left: 514.223+/-0.080 χ^2/NDF : 580375.2/26

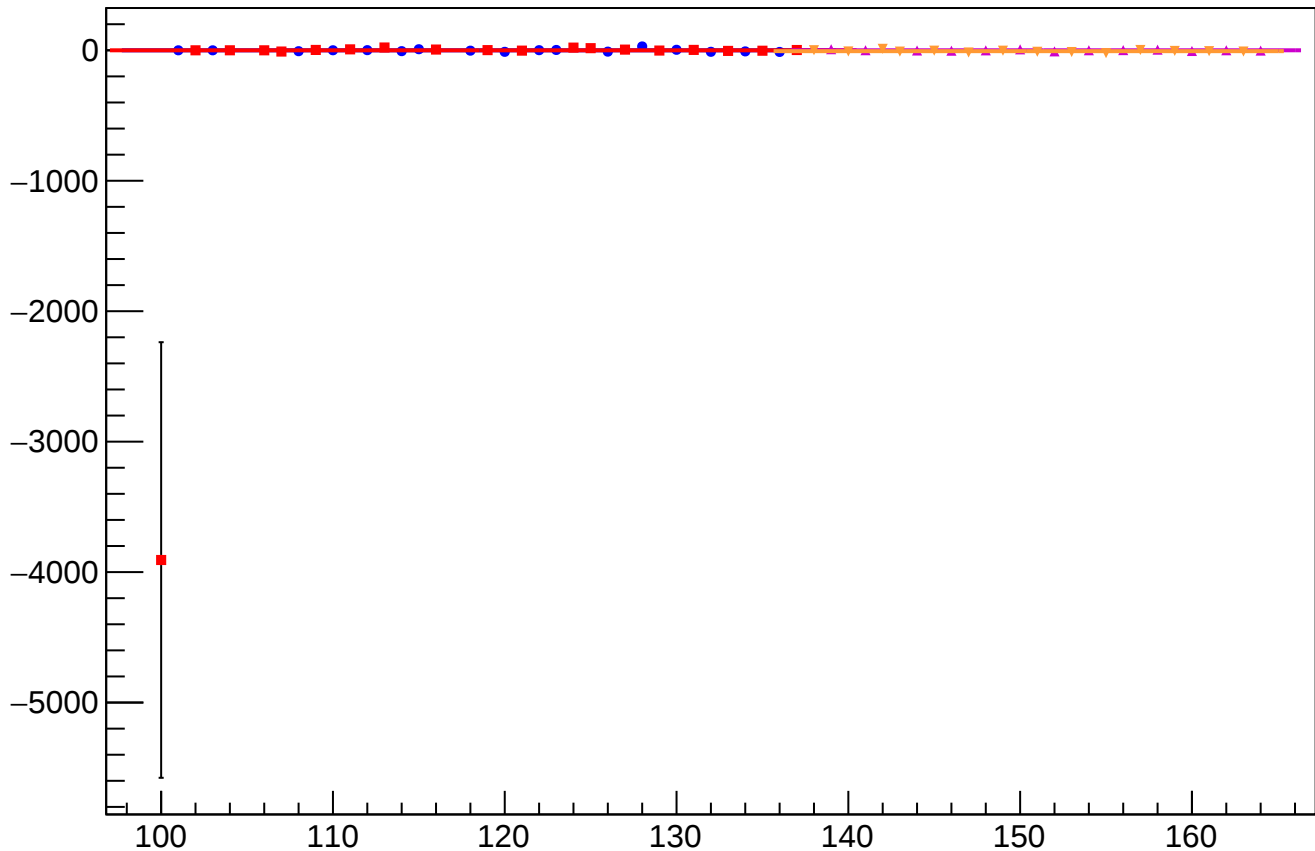
Right: 604.364+/-0.134 χ^2/NDF : 6687992.0/35

In: 537.715+/-0.098 χ^2/NDF : 3638457.6/29

Out: 538.630+/-0.097 χ^2/NDF : 3964131.7/32

All: 538.177+/-0.069 χ^2/NDF : 7602633.4/62

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2/NDF : 15.3/16

Left Out: -6.532 $\pm$ 1.311 χ^2/NDF : 30.2/13

Right Out: 0.027 $\pm$ 0.020 χ^2/NDF : 17.3/18

Left In: 0.214 $\pm$ 1.341 χ^2/NDF : 9.8/12

Left: -3.234 $\pm$ 0.938 χ^2/NDF : 52.9/26

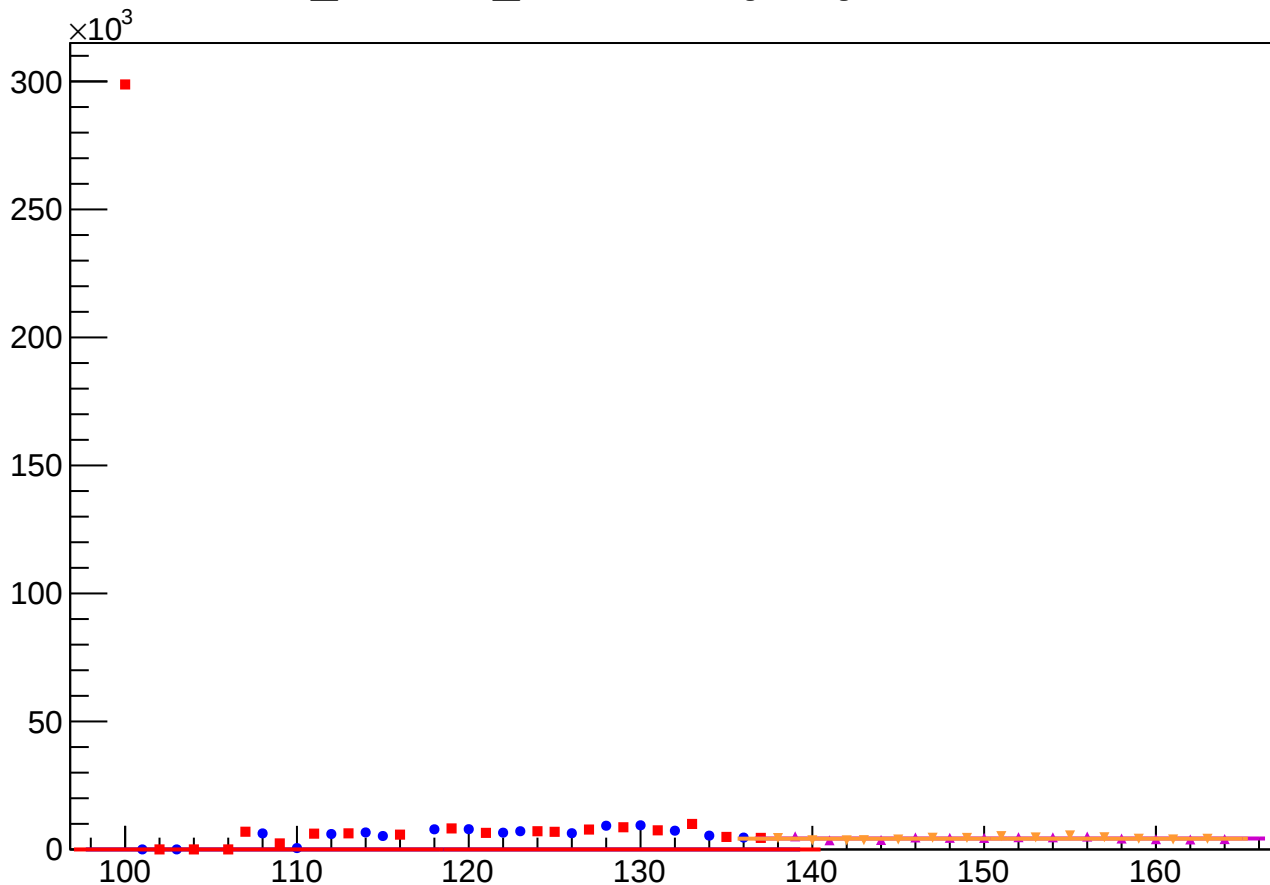
Right: 0.004 $\pm$ 0.014 χ^2/NDF : 35.4/35

In: -0.022 $\pm$ 0.021 χ^2/NDF : 25.1/29

Out: 0.025 $\pm$ 0.020 χ^2/NDF : 72.4/32

All: 0.003 $\pm$ 0.014 χ^2/NDF : 100.2/62

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4218.409 $\pm$ 0.927 χ^2 /NDF: 333678.5/13

Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 10813350.8/18

Left In: 4279.457 $\pm$ 0.948 χ^2 /NDF: 260029.7/12

Left: 4248.249 $\pm$ 0.663 χ^2 /NDF: 595826.9/26

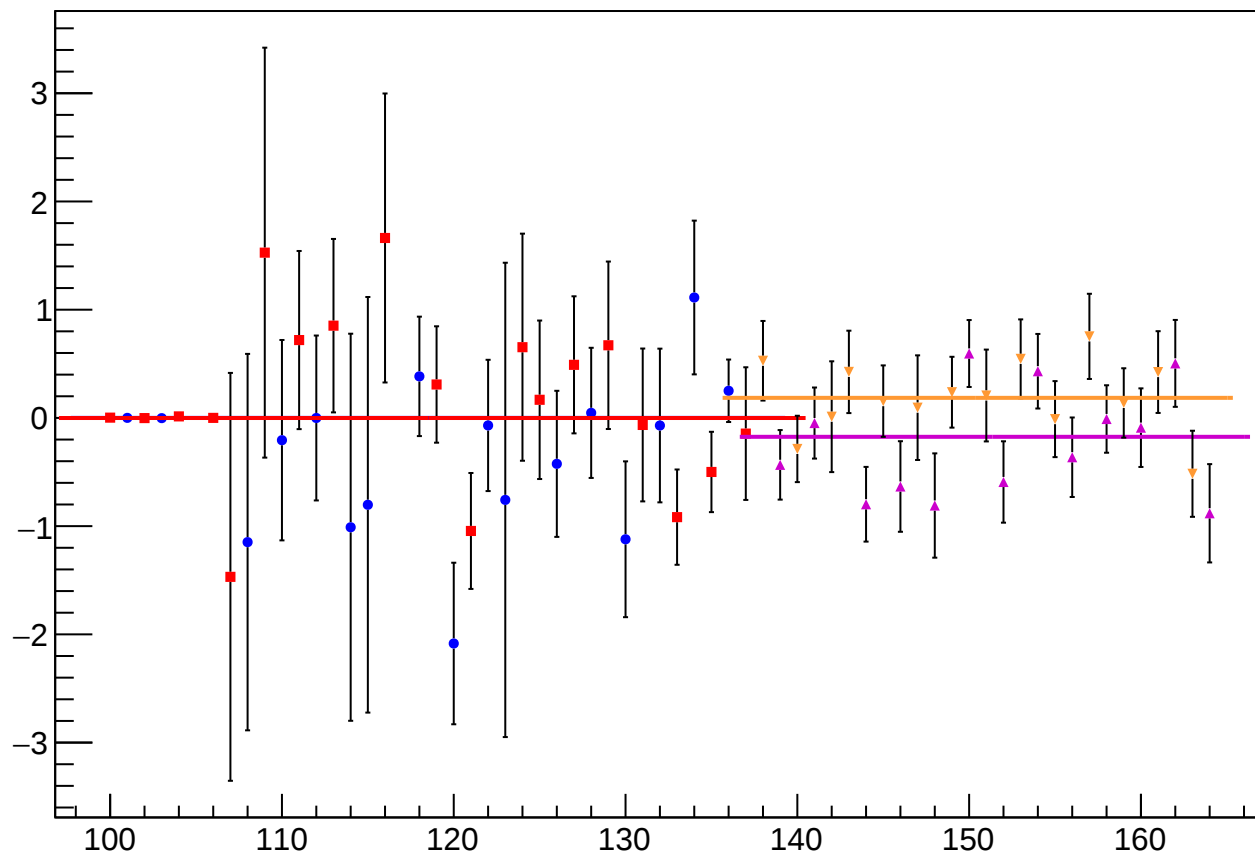
Right: 17.301 $\pm$ 0.010 χ^2 /NDF: 21172771.7/35

In: 18.361 $\pm$ 0.015 χ^2 /NDF: 30815267.0/29

Out: 18.223 $\pm$ 0.014 χ^2 /NDF: 31668613.9/32

All: 18.289 $\pm$ 0.010 χ^2 /NDF: 62483927.0/62

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.185 ± 0.099 χ^2/NDF : 10.7/13

Right Out: -0.001 ± 0.002 χ^2/NDF : 17.8/18

Left In: -0.175 ± 0.100 χ^2/NDF : 23.4/12

Left: 0.008 ± 0.070 χ^2/NDF : 40.7/26

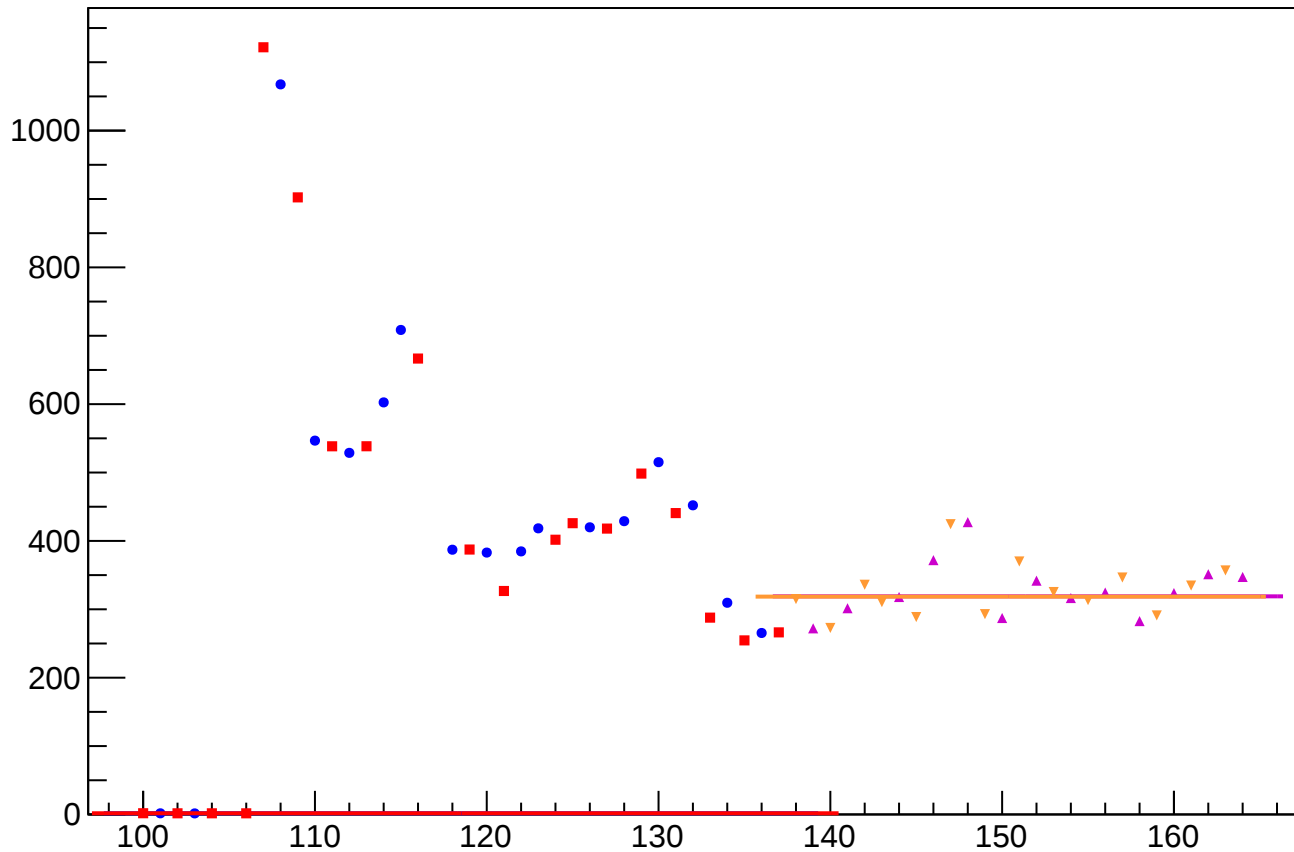
Right: -0.000 ± 0.001 χ^2/NDF : 33.6/35

In: 0.000 ± 0.002 χ^2/NDF : 42.1/29

Out: -0.001 ± 0.002 χ^2/NDF : 32.1/32

All: -0.000 ± 0.001 χ^2/NDF : 74.3/62

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 318.540 $\pm$ 0.070 χ^2 /NDF:250113.8/13

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

Left In: 318.960 $\pm$ 0.071 χ^2 /NDF:258538.4/12

Left: 318.747 $\pm$ 0.050 χ^2 /NDF: 508669.9/26

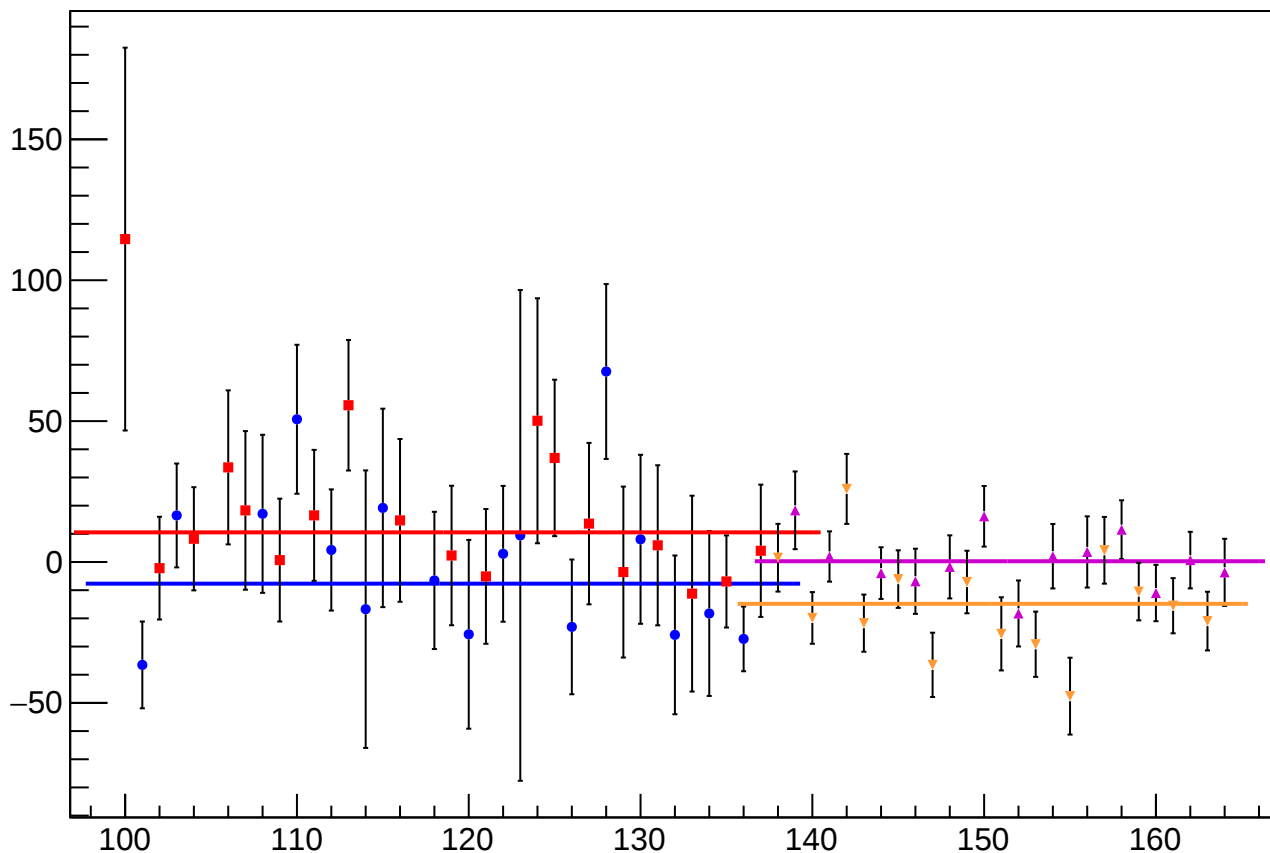
Right: 1.714 $\pm$ 0.001 χ^2 /NDF: 21648518.8/35

In: 1.828 $\pm$ 0.001 χ^2 /NDF:31224815.2/29

Out: 1.850 $\pm$ 0.001 χ^2 /NDF:31501424.7/32

All: 1.840 $\pm$ 0.001 χ^2 /NDF: 62726362.6/62

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 $\pm$ 5.627 χ^2/NDF : 22.4/16

Left Out: -14.844 $\pm$ 2.942 χ^2/NDF : 29.3/13

Right Out: 10.524 $\pm$ 5.682 χ^2/NDF : 11.9/18

Left In: 0.276 $\pm$ 2.999 χ^2/NDF : 9.7/12

Left: -7.430 $\pm$ 2.100 χ^2/NDF : 52.0/26

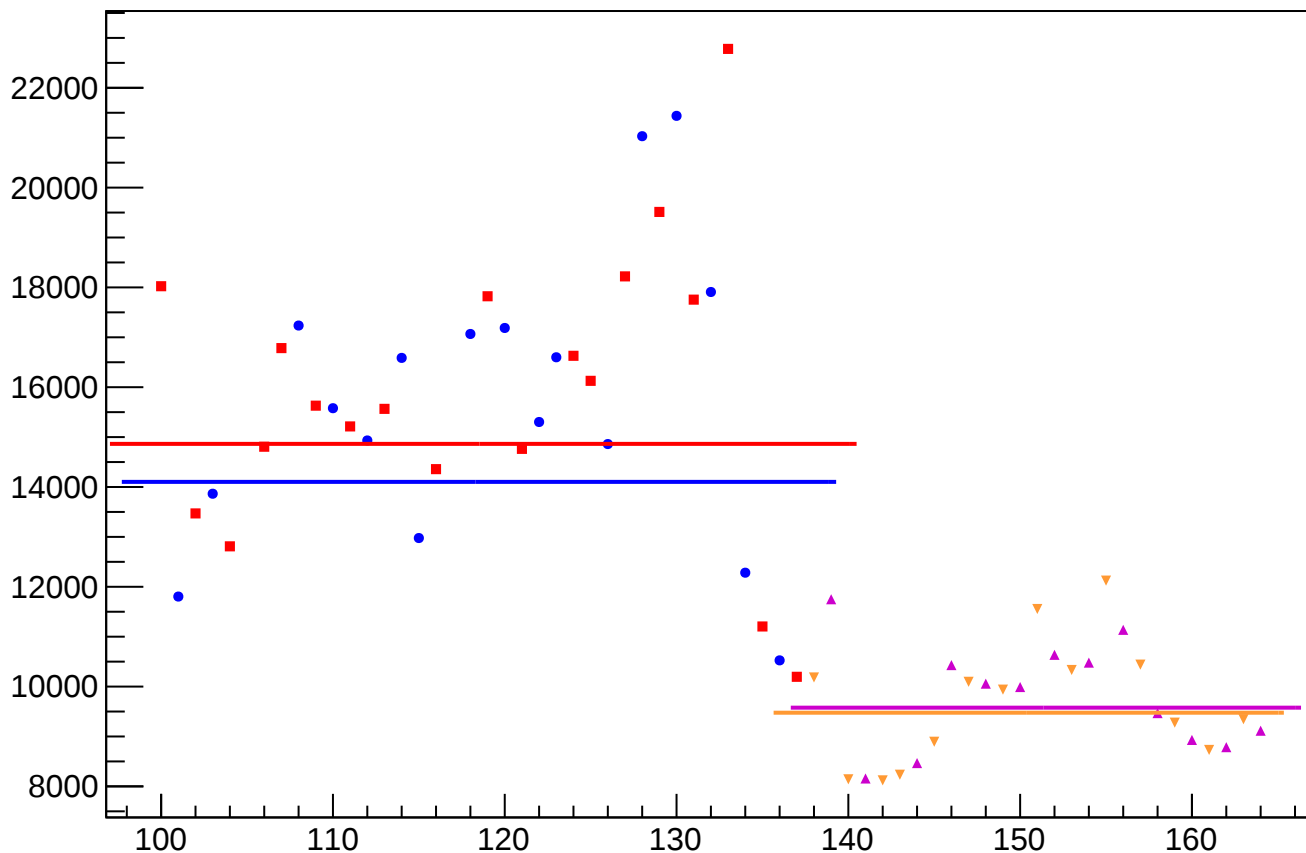
Right: 1.332 $\pm$ 3.998 χ^2/NDF : 39.4/35

In: -1.485 $\pm$ 2.647 χ^2/NDF : 33.6/29

Out: -9.481 $\pm$ 2.613 χ^2/NDF : 56.9/32

All: -5.535 $\pm$ 1.859 χ^2/NDF : 95.1/62

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9476.485 $\pm$ 2.080 χ^2 /NDF: 282458.8/13

Right Out: 14864.163 $\pm$ 4.018 χ^2 /NDF: 470280.3/18

Left In: 9577.462 $\pm$ 2.121 χ^2 /NDF: 230382.5/12

Left: 9526.001 $\pm$ 1.485 χ^2 /NDF: 513996.7/26

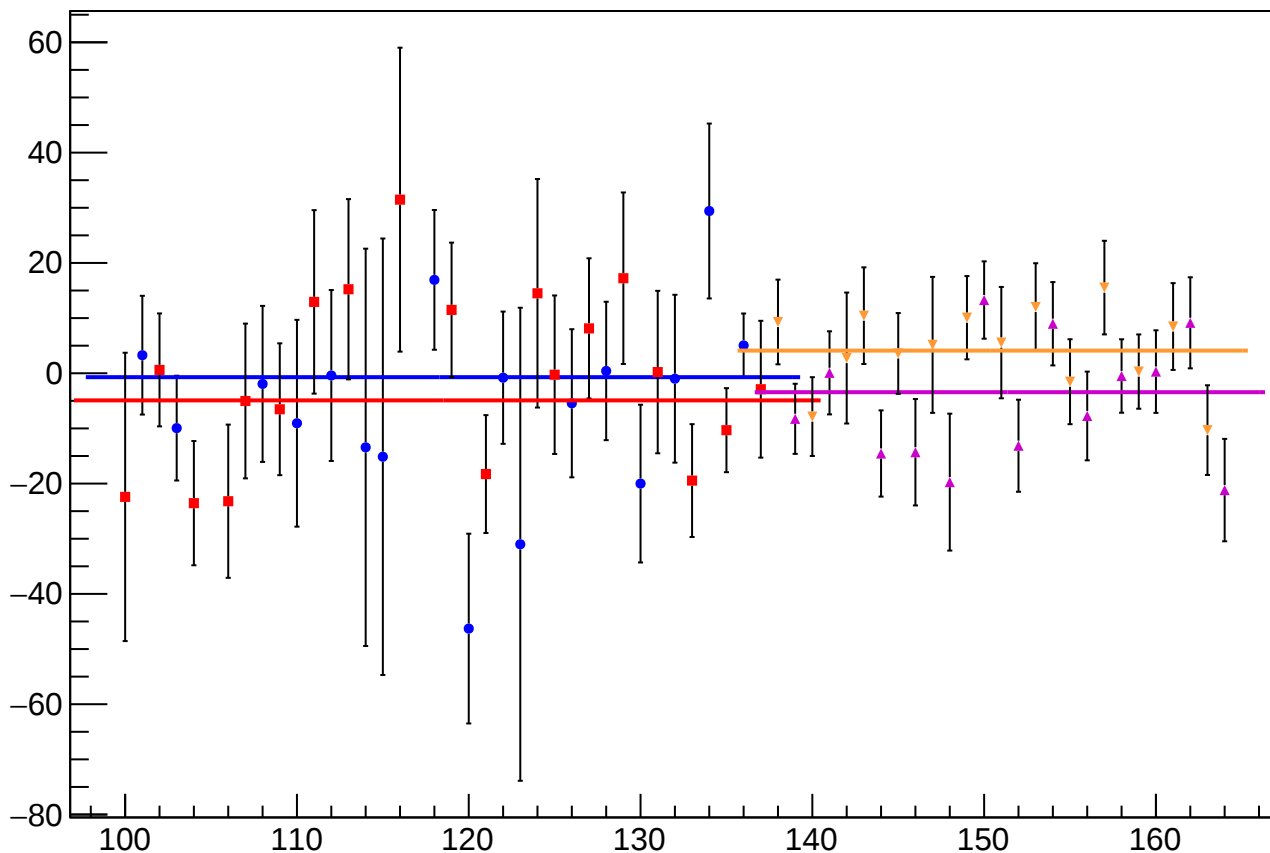
Right: 14479.636 $\pm$ 2.827 χ^2 /NDF: 1087356.3/35

In: 10578.571 $\pm$ 1.872 χ^2 /NDF: 1836475.8/29

Out: 10615.459 $\pm$ 1.847 χ^2 /NDF: 2170647.2/32

All: 10597.255 $\pm$ 1.315 χ^2 /NDF: 4007319.8/66

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 $\pm$ 3.084 χ^2/NDF : 17.6/16

Left Out: 4.110 $\pm$ 2.186 χ^2/NDF : 11.6/13

Right Out: -4.918 $\pm$ 2.940 χ^2/NDF : 19.8/18

Left In: -3.431 $\pm$ 2.180 χ^2/NDF : 22.3/12

Left: 0.329 $\pm$ 1.544 χ^2/NDF : 39.8/26

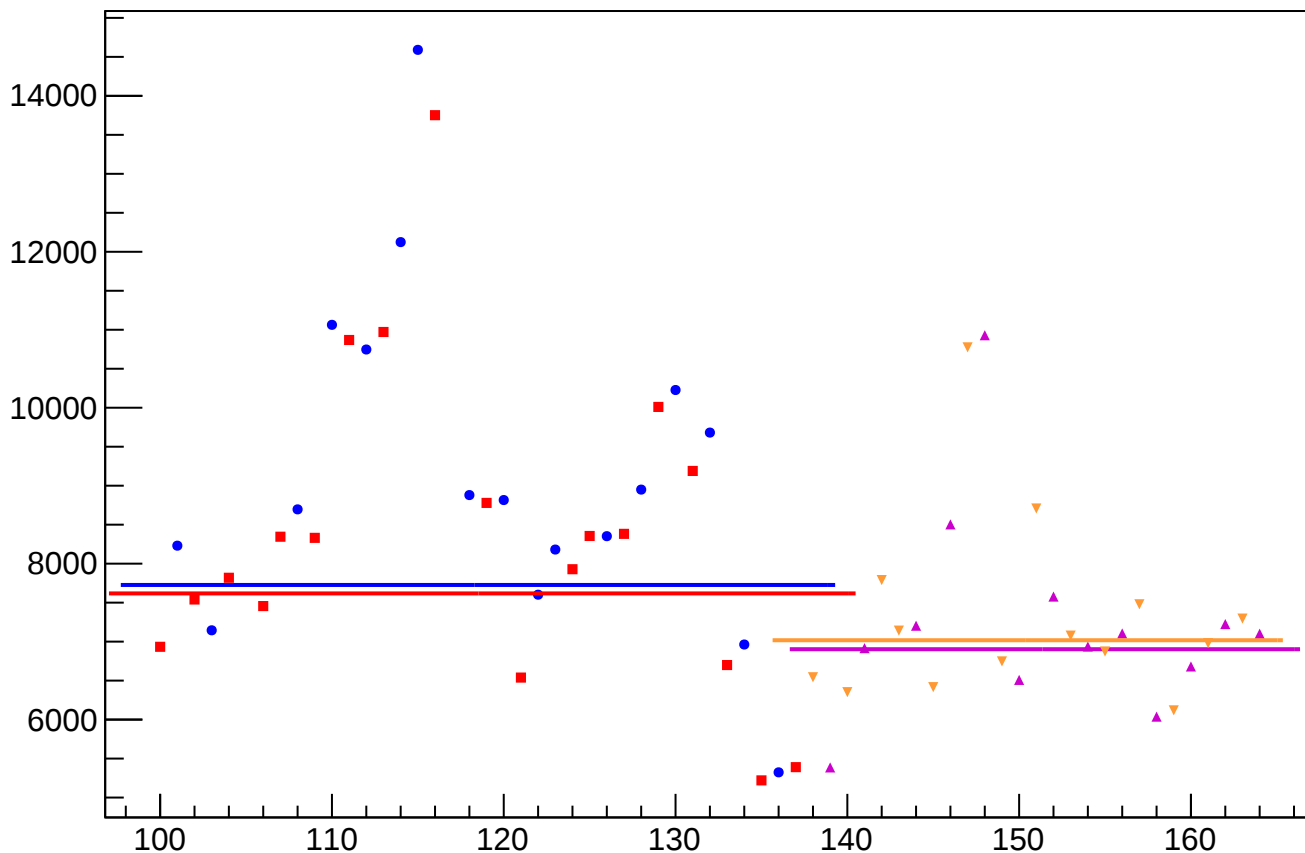
Right: -2.914 $\pm$ 2.128 χ^2/NDF : 38.3/35

In: -2.524 $\pm$ 1.780 χ^2/NDF : 40.3/29

Out: 0.895 $\pm$ 1.754 χ^2/NDF : 37.4/32

All: -0.789 $\pm$ 1.249 χ^2/NDF : 79.6/62

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2/NDF : 742512.8/16

Left Out: 7017.660 $\pm$ 1.546 χ^2/NDF : 336592.8/13

Right Out: 7618.206 $\pm$ 2.079 χ^2/NDF : 675125.4/18

Left In: 6902.615 $\pm$ 1.542 χ^2/NDF : 442702.3/12

Left: 6959.988 $\pm$ 1.092 χ^2/NDF : 782072.2/26

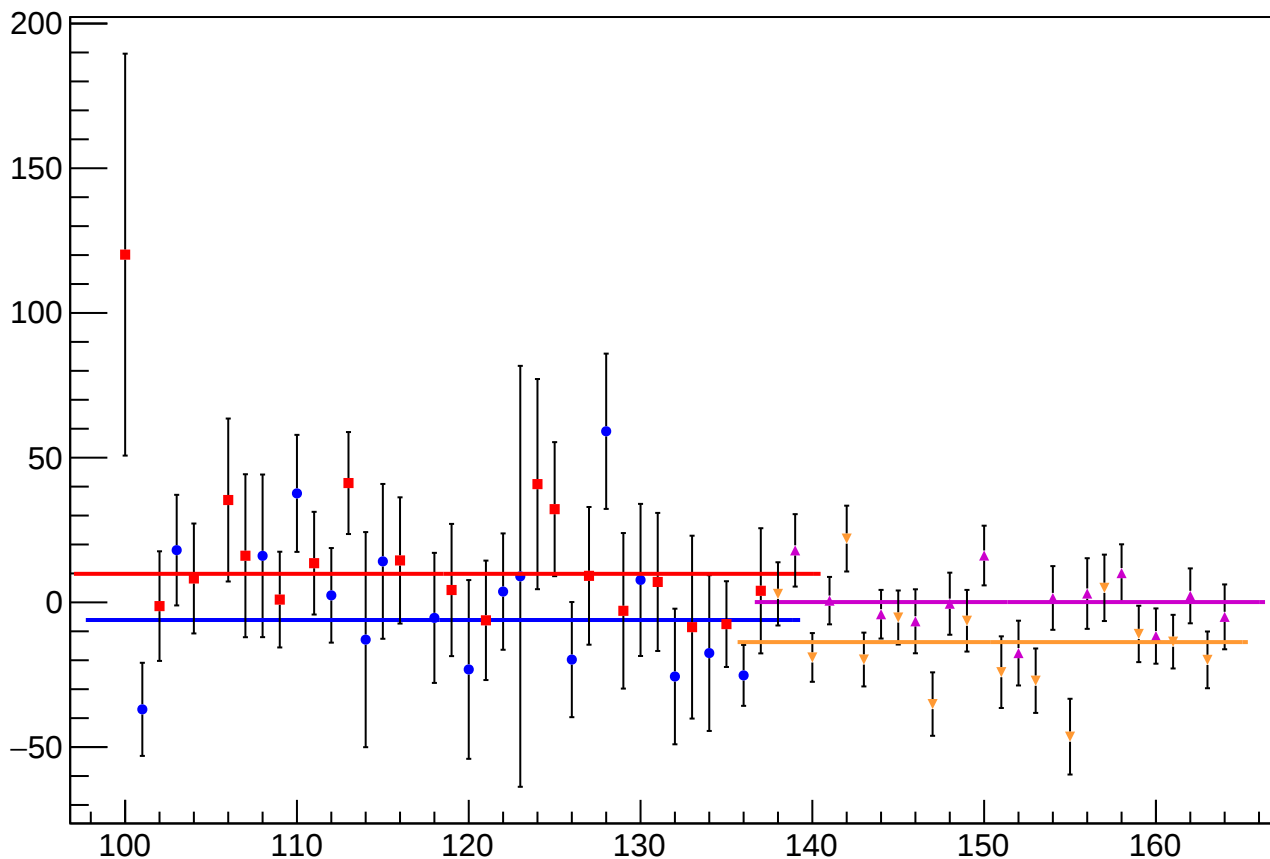
Right: 7669.883 $\pm$ 1.504 χ^2/NDF : 1418936.4/35

In: 7177.303 $\pm$ 1.259 χ^2/NDF : 1280463.3/29

Out: 7231.502 $\pm$ 1.240 χ^2/NDF : 1065470.4/32

All: 7204.803 $\pm$ 0.883 χ^2/NDF : 2346874.4/62

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -13.726 ± 2.763 $\chi^2/\text{NDF}: 29.7/13$

Right Out: 9.864 ± 5.004 $\chi^2/\text{NDF}: 11.6/18$

Left In: 0.106 ± 2.831 $\chi^2/\text{NDF}: 10.4/12$

Left: -6.978 ± 1.977 $\chi^2/\text{NDF}: 52.3/26$

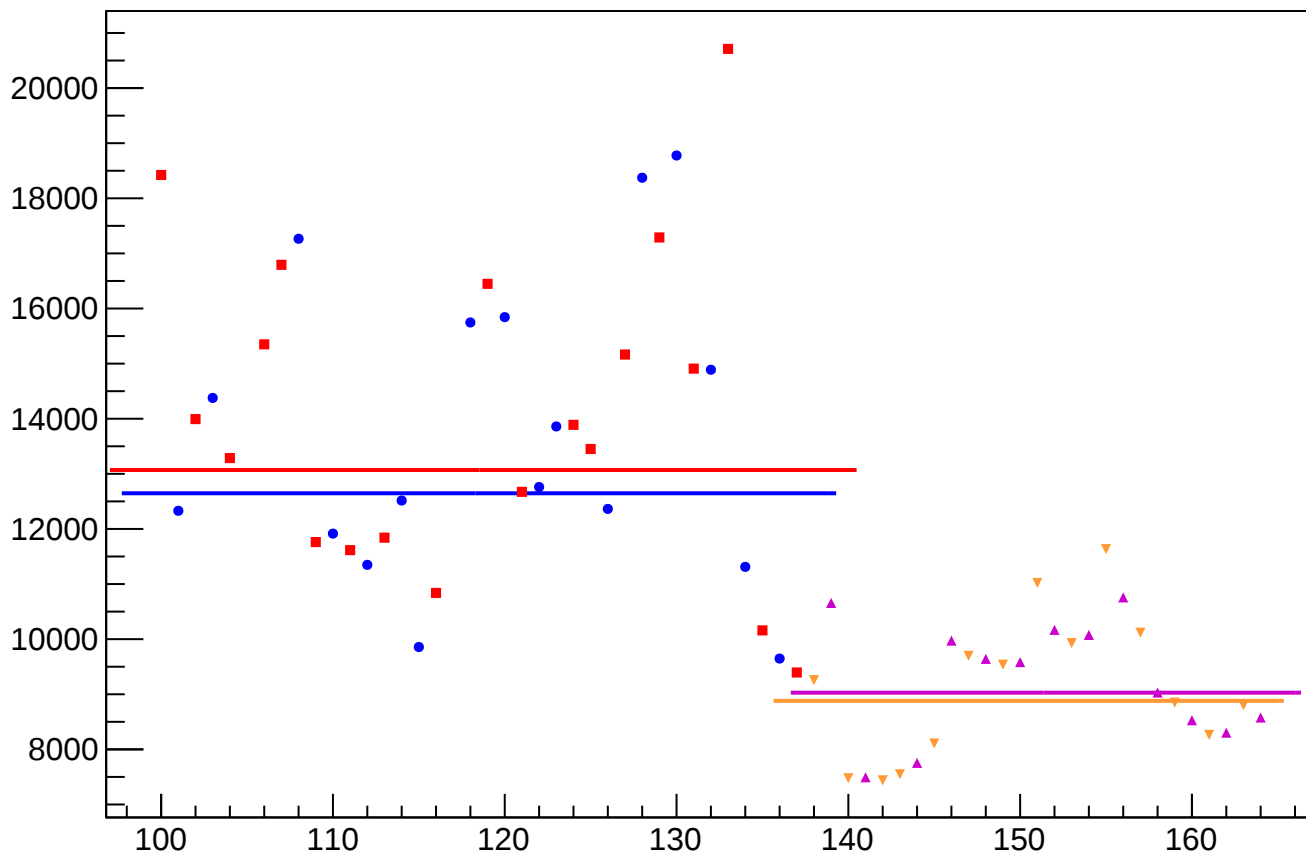
Right: 1.934 ± 3.549 $\chi^2/\text{NDF}: 39.6/35$

In: -1.383 ± 2.467 $\chi^2/\text{NDF}: 34.5/29$

Out: -8.215 ± 2.419 $\chi^2/\text{NDF}: 58.4/32$

All: -4.867 ± 1.727 $\chi^2/\text{NDF}: 96.7/62$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2 /NDF: 554320.4/16

Left Out: 8880.604 $\pm$ 1.954 χ^2 /NDF: 361899.1/13

Right Out: 13069.930 $\pm$ 3.538 χ^2 /NDF: 496271.7/18

Left In: 9029.202 $\pm$ 2.002 χ^2 /NDF: 276437.2/12

Left: 8953.098 $\pm$ 1.398 χ^2 /NDF: 641159.1/26

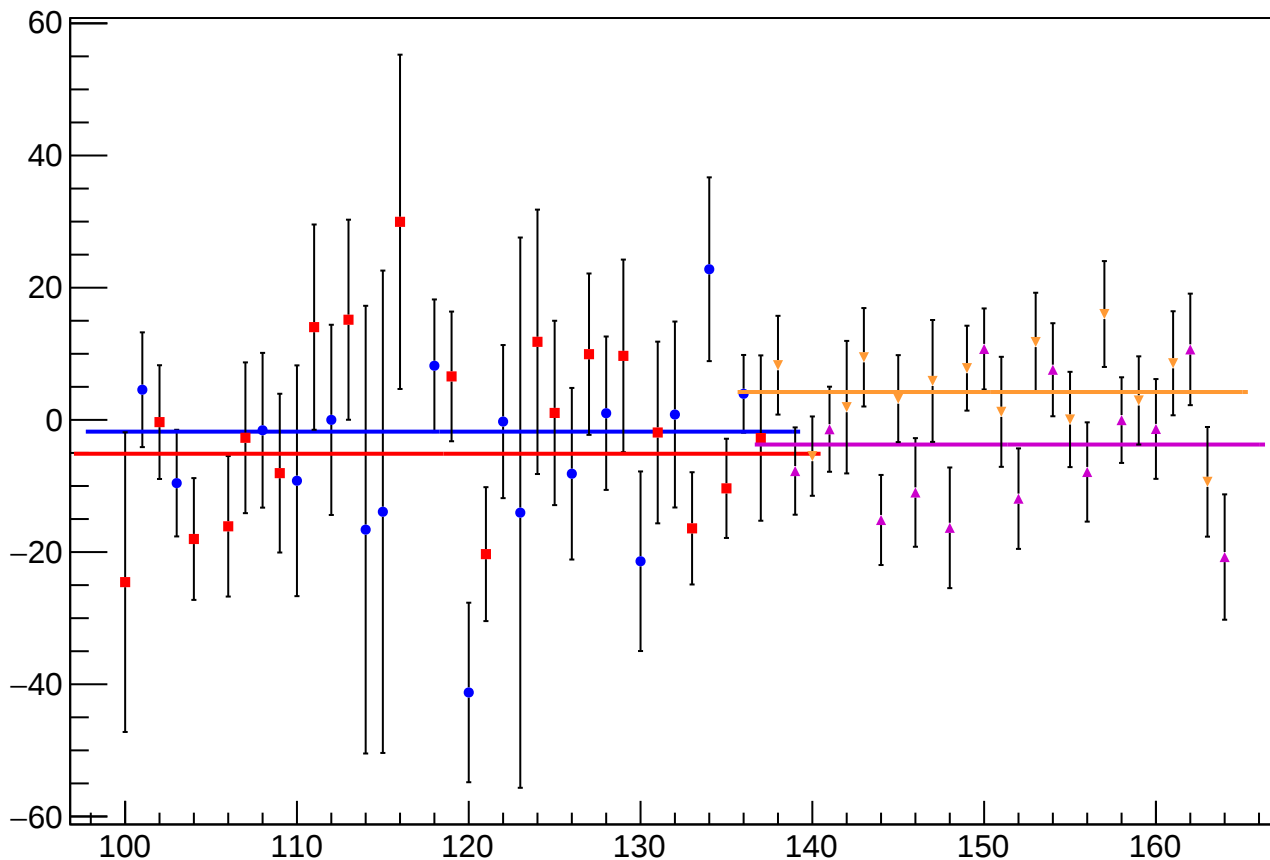
Right: 12859.864 $\pm$ 2.509 χ^2 /NDF: 1057685.3/35

In: 9898.438 $\pm$ 1.745 χ^2 /NDF: 1615772.5/29

Out: 9859.394 $\pm$ 1.710 χ^2 /NDF: 1932655.6/32

All: 9878.526 $\pm$ 1.221 χ^2 /NDF: 3548683.4/62

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 4.218 ± 1.988 χ^2/NDF : 10.5/13

Right Out: -5.122 ± 2.642 χ^2/NDF : 18.9/18

Left In: -3.730 ± 2.025 χ^2/NDF : 22.2/12

Left: 0.319 ± 1.419 χ^2/NDF : 40.5/26

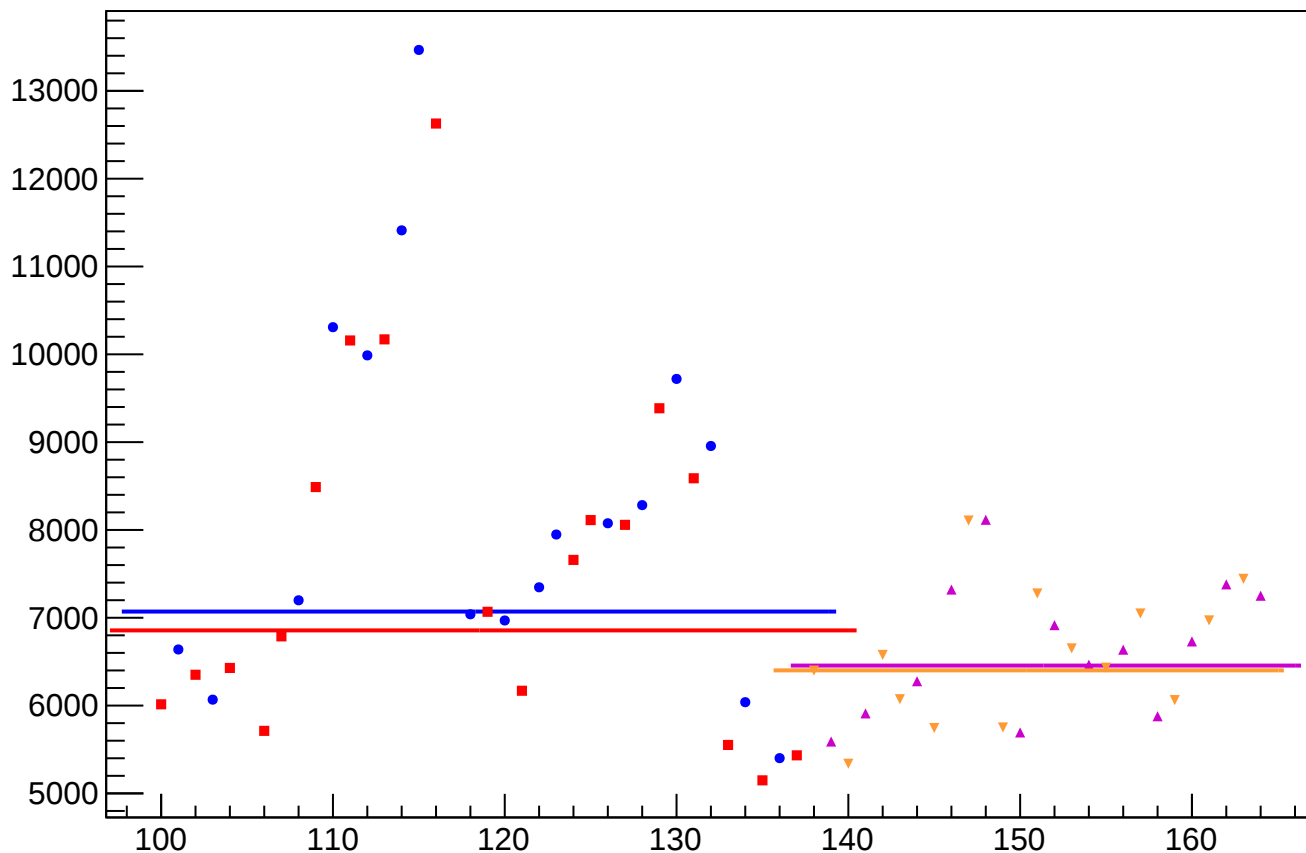
Right: -3.550 ± 1.923 χ^2/NDF : 37.6/35

In: -3.061 ± 1.642 χ^2/NDF : 40.5/29

Out: 0.842 ± 1.588 χ^2/NDF : 37.4/32

All: -1.044 ± 1.142 χ^2/NDF : 80.8/62

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2/NDF : 601692.5/16

Left Out: 6400.833 $\pm$ 1.405 χ^2/NDF : 260848.8/13

Right Out: 6856.136 $\pm$ 1.868 χ^2/NDF : 682220.3/18

Left In: 6455.518 $\pm$ 1.432 χ^2/NDF : 234347.7/12

Left: 6427.659 $\pm$ 1.003 χ^2/NDF : 495939.3/26

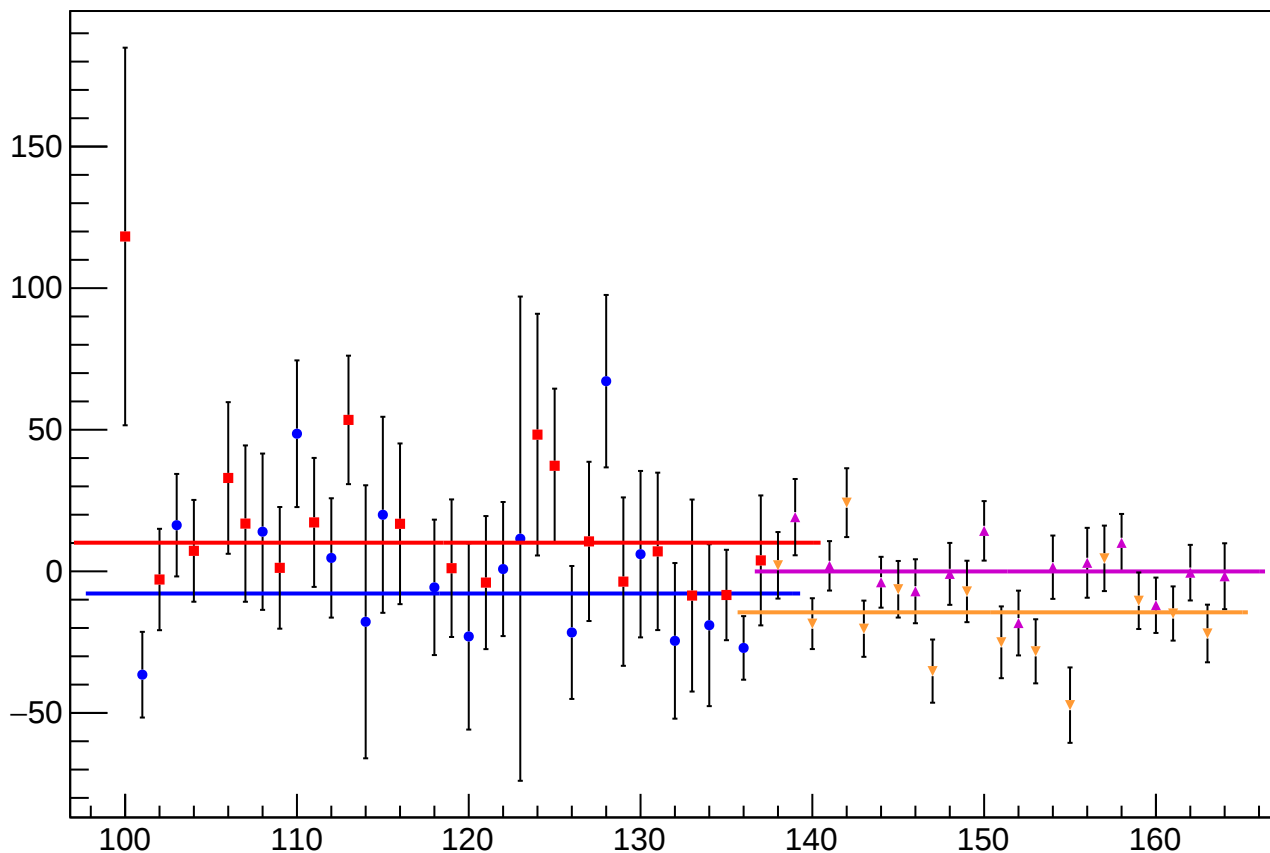
Right: 6956.947 $\pm$ 1.360 χ^2/NDF : 1290110.2/35

In: 6666.245 $\pm$ 1.161 χ^2/NDF : 899234.8/29

Out: 6565.397 $\pm$ 1.123 χ^2/NDF : 981001.4/32

All: 6614.135 $\pm$ 0.807 χ^2/NDF : 1884133.1/62

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -14.470 ± 2.876 $\chi^2/\text{NDF}: 28.9/13$

Right Out: 10.117 ± 5.571 $\chi^2/\text{NDF}: 12.2/18$

Left In: -0.035 ± 2.932 $\chi^2/\text{NDF}: 9.6/12$

Left: -7.391 ± 2.053 $\chi^2/\text{NDF}: 50.9/26$

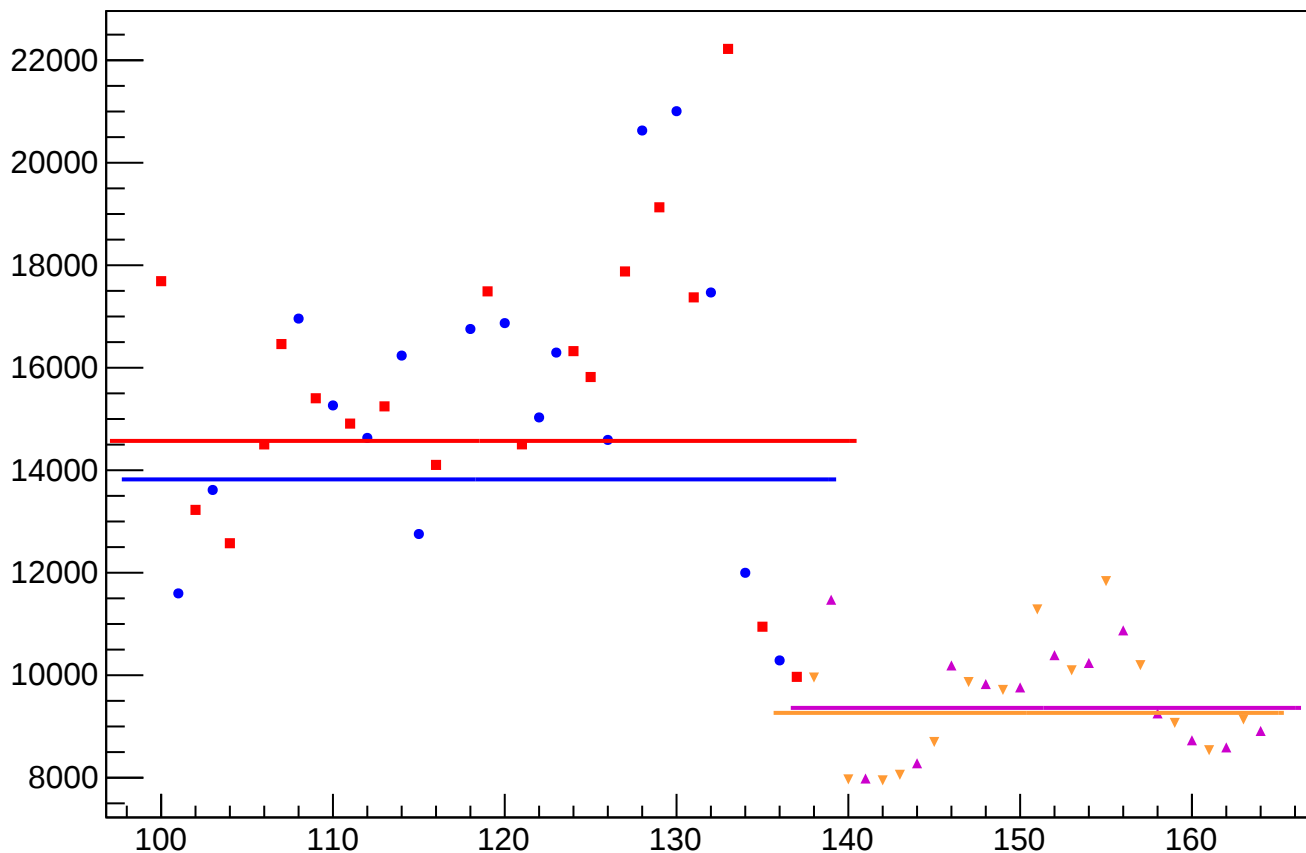
Right: 1.056 ± 3.920 $\chi^2/\text{NDF}: 39.7/35$

In: -1.751 ± 2.589 $\chi^2/\text{NDF}: 33.5/29$

Out: -9.296 ± 2.556 $\chi^2/\text{NDF}: 56.5/32$

All: -5.572 ± 1.819 $\chi^2/\text{NDF}: 94.3/62$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9265.329+/-2.034 χ^2/NDF : 279229.9/13

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

Left In: 9362.696+/-2.073 χ^2/NDF : 227604.5/12

Left: 9313.080+/-1.452 χ^2/NDF : 507958.6/26

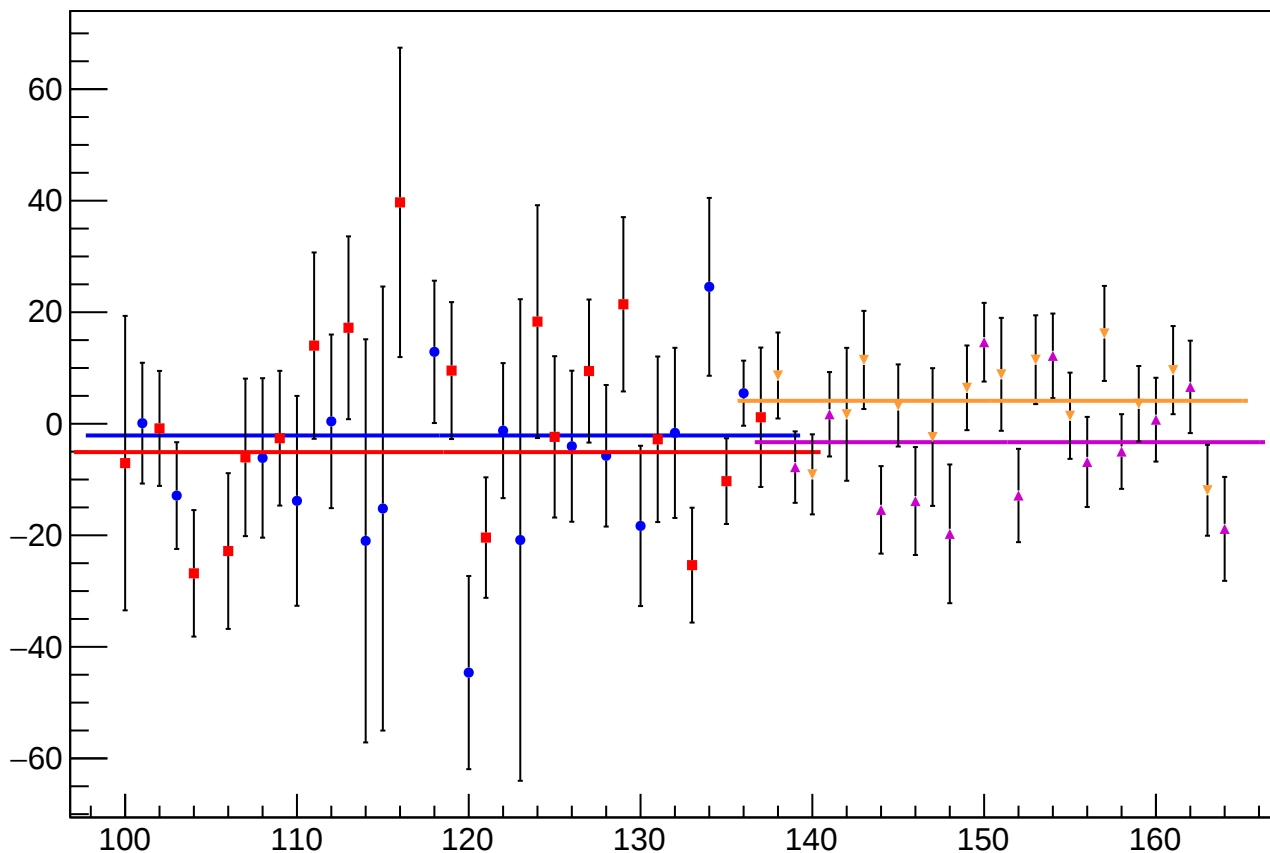
Right: 14193.062+/-2.772 χ^2/NDF : 1093505.5/35

In: 10344.831+/-1.831 χ^2/NDF : 1849182.3/29

Out: 10382.112+/-1.807 χ^2/NDF : 2184689.7/32

All: 10363.712+/-1.286 χ^2/NDF : 4034082.0/60

diff_bpm4acY_mean vs Slug, Sign Corrected



Left: 0.400 ± 1.551 χ^2/NDF : 41.1/26

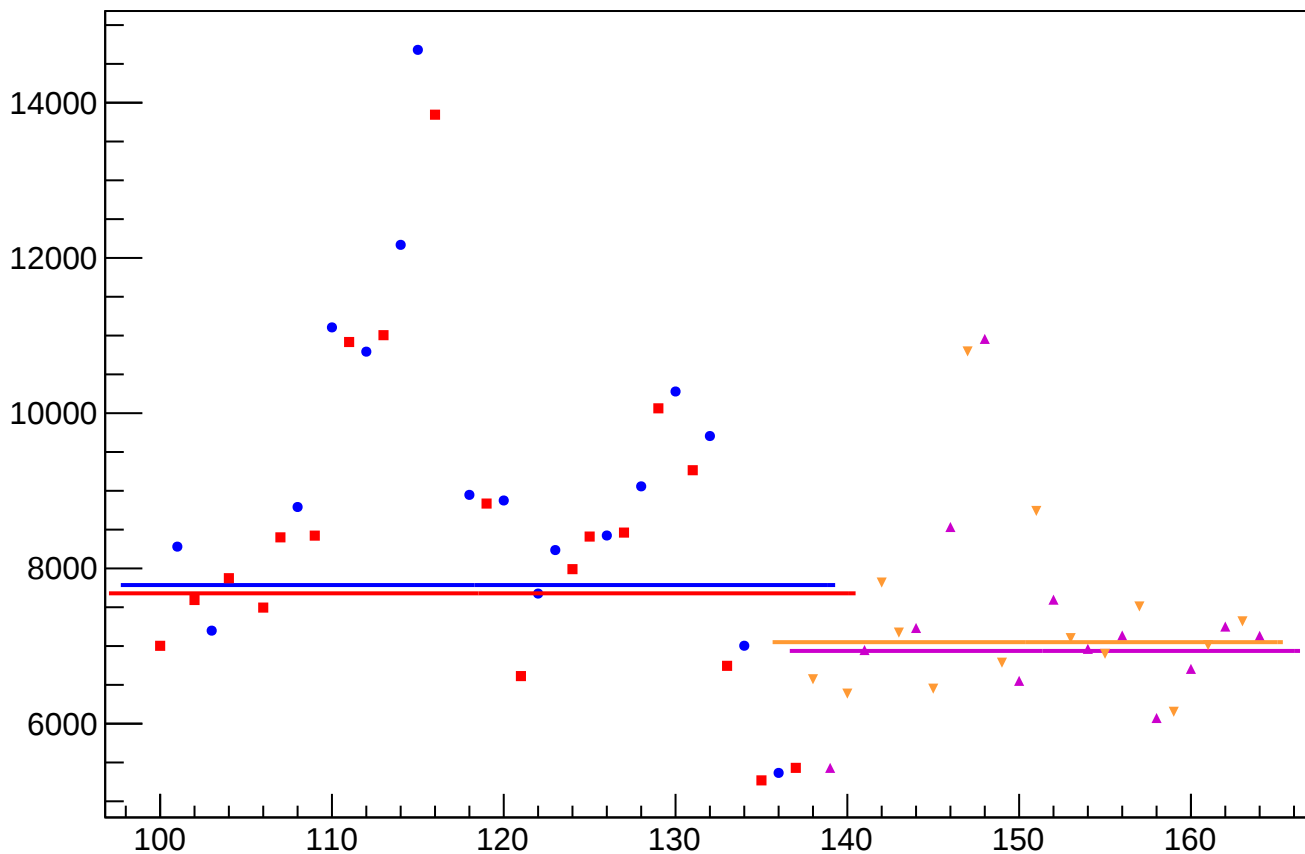
Right: -3.662 ± 2.144 χ^2/NDF : 40.9/35

In: -2.901 ± 1.790 χ^2/NDF : 38.7/29

Out: 0.854 ± 1.764 χ^2/NDF : 43.4/32

All: -0.995 ± 1.256 χ^2/NDF : 84.3/62

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7050.223 $\pm$ 1.553 χ^2 /NDF:332807.2/13

Right Out: 7679.182 $\pm$ 2.095 χ^2 /NDF: 668736.8/18

Left In: 6937.182 $\pm$ 1.549 χ^2 /NDF:435465.5/12

Left: 6993.572 $\pm$ 1.097 χ^2 /NDF: 770929.4/26

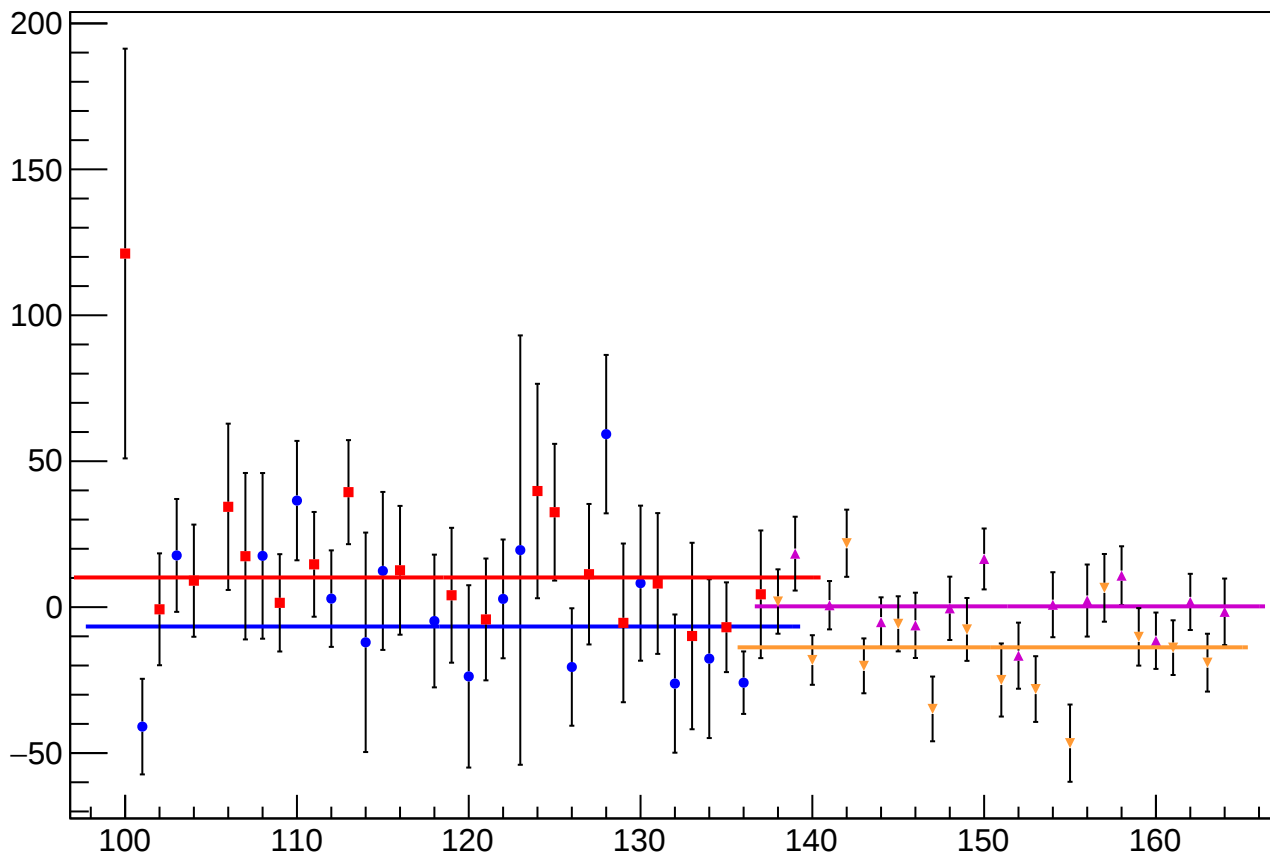
Right: 7730.020 $\pm$ 1.516 χ^2 /NDF: 1408075.7/35

In: 7219.061 $\pm$ 1.266 χ^2 /NDF:1273281.6/29

Out: 7273.245 $\pm$ 1.247 χ^2 /NDF:1059738.4/32

All: 7246.554 $\pm$ 0.888 χ^2 /NDF: 2333949.7/62

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -13.765 ± 2.793 $\chi^2/\text{NDF}: 29.1/13$

Right Out: 10.172 ± 5.075 $\chi^2/\text{NDF}: 10.8/18$

Left In: 0.274 ± 2.864 $\chi^2/\text{NDF}: 10.1/12$

Left: -6.923 ± 2.000 $\chi^2/\text{NDF}: 51.5/26$

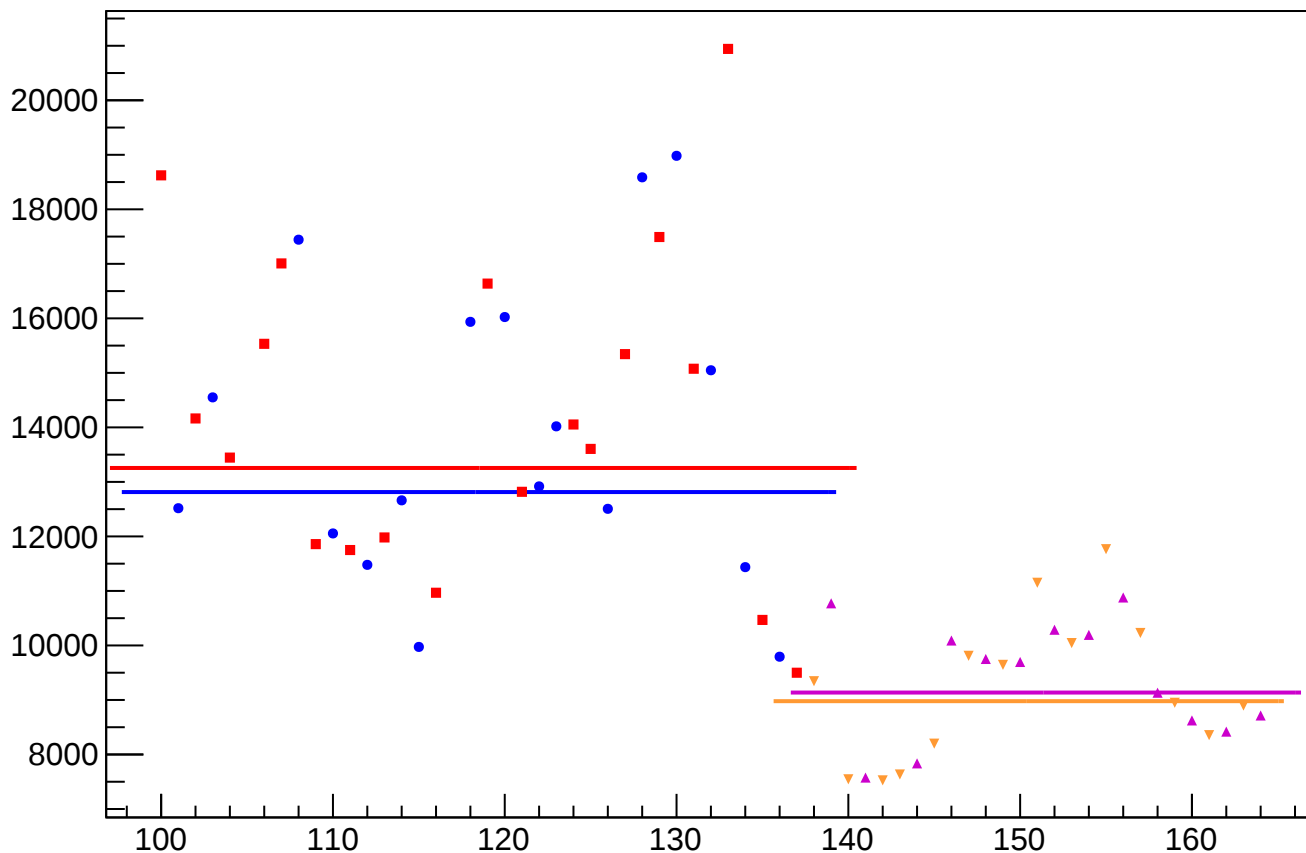
Right: 1.813 ± 3.598 $\chi^2/\text{NDF}: 39.7/35$

In: -1.382 ± 2.498 $\chi^2/\text{NDF}: 34.9/29$

Out: -8.200 ± 2.447 $\chi^2/\text{NDF}: 57.0/32$

All: -4.861 ± 1.748 $\chi^2/\text{NDF}: 95.7/62$

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8977.832+/-1.975 χ^2/NDF : 363460.0/13

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

Left In: 9136.075+/-2.025 χ^2/NDF : 276069.1/12

Left: 9054.956+/-1.414 χ^2/NDF : 642658.0/26

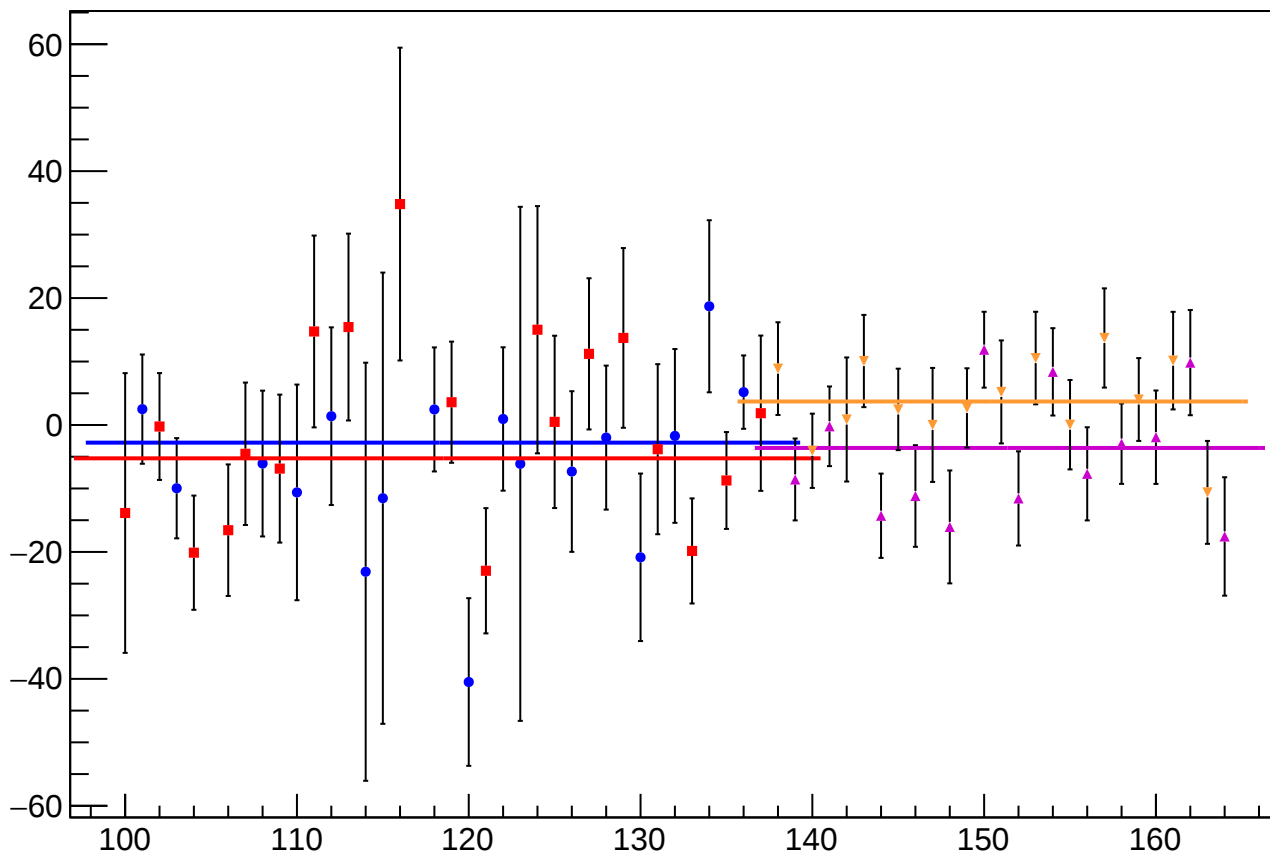
Right: 13035.784+/-2.544 χ^2/NDF : 1039954.9/35

In: 10017.664+/-1.766 χ^2/NDF : 1614475.5/29

Out: 9972.358+/-1.730 χ^2/NDF : 1938434.5/32

All: 9994.546+/-1.236 χ^2/NDF : 3553245.9/62

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.703 ± 1.940 χ^2/NDF : 10.0/13

Right Out: -5.252 ± 2.590 χ^2/NDF : 23.5/18

Left In: -3.616 ± 1.978 χ^2/NDF : 22.5/12

Left: 0.114 ± 1.385 χ^2/NDF : 39.4/26

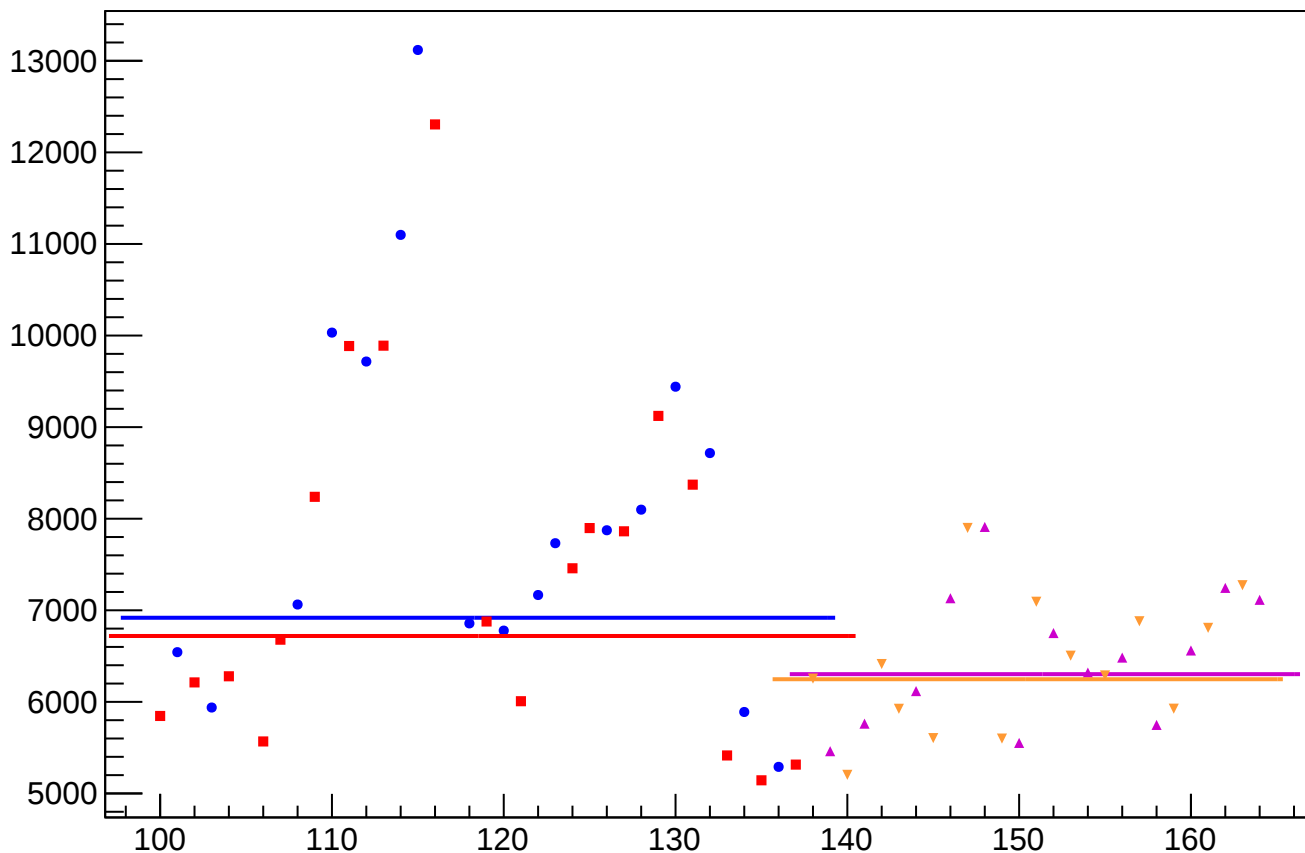
Right: -4.088 ± 1.884 χ^2/NDF : 41.0/35

In: -3.330 ± 1.605 χ^2/NDF : 39.5/29

Out: 0.484 ± 1.553 χ^2/NDF : 41.2/32

All: -1.360 ± 1.116 χ^2/NDF : 83.6/62

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 $\pm$ 1.943 χ^2/NDF : 587976.6/16

Left Out: 6247.211 $\pm$ 1.372 χ^2/NDF : 262353.9/13

Right Out: 6719.404 $\pm$ 1.831 χ^2/NDF : 653831.7/18

Left In: 6302.730 $\pm$ 1.399 χ^2/NDF : 235999.2/12

Left: 6274.431 $\pm$ 0.979 χ^2/NDF : 499156.2/26

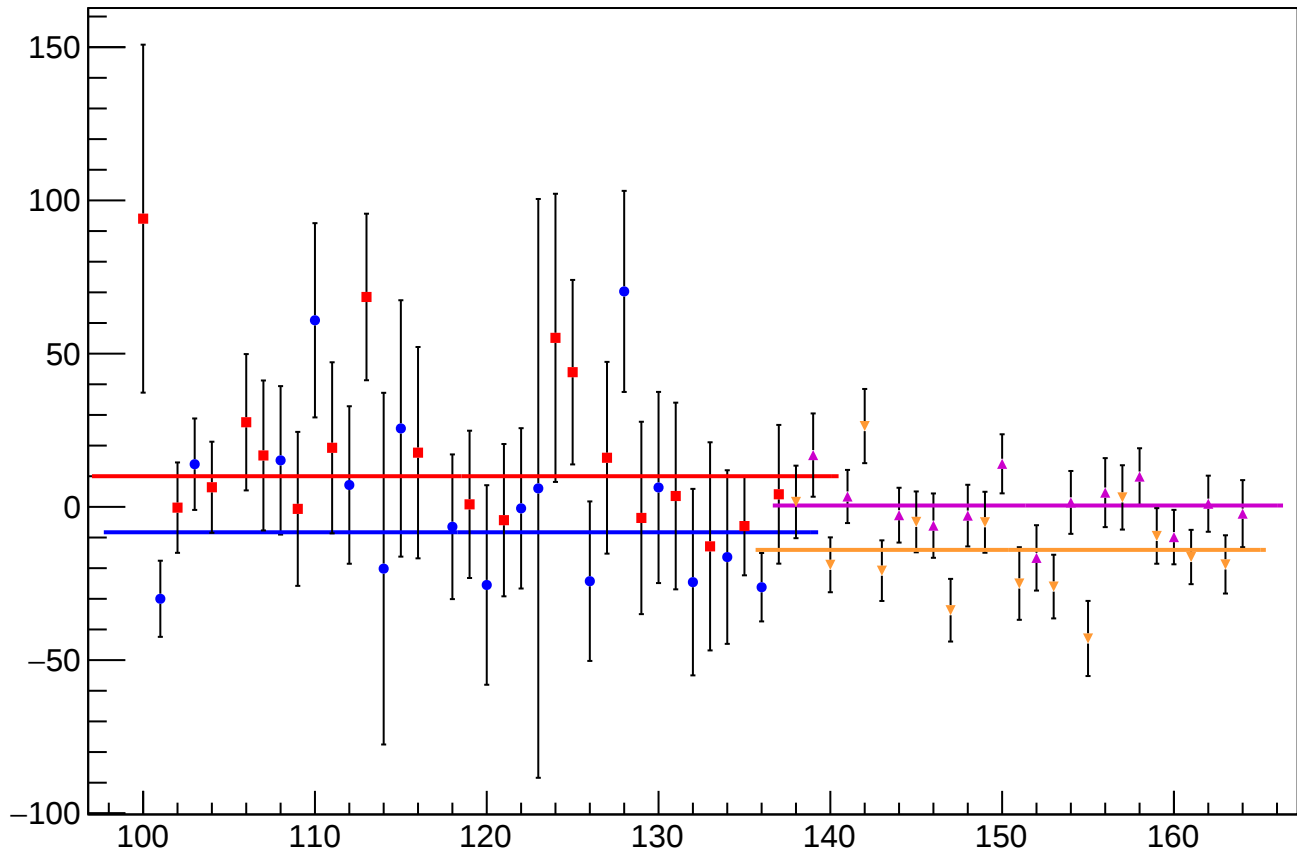
Right: 6813.106 $\pm$ 1.332 χ^2/NDF : 1247373.6/35

In: 6512.991 $\pm$ 1.135 χ^2/NDF : 890164.8/29

Out: 6416.946 $\pm$ 1.098 χ^2/NDF : 958778.8/32

All: 6463.369 $\pm$ 0.789 χ^2/NDF : 1852642.9/62

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 +/- 5.410 χ^2/NDF : 21.7/16

Left Out: -14.033 +/- 2.726 χ^2/NDF : 30.0/13

Right Out: 10.007 +/- 5.513 χ^2/NDF : 12.9/18

Left In: 0.449 +/- 2.755 χ^2/NDF : 9.4/12

Left: -6.868 +/- 1.938 χ^2/NDF : 53.3/26

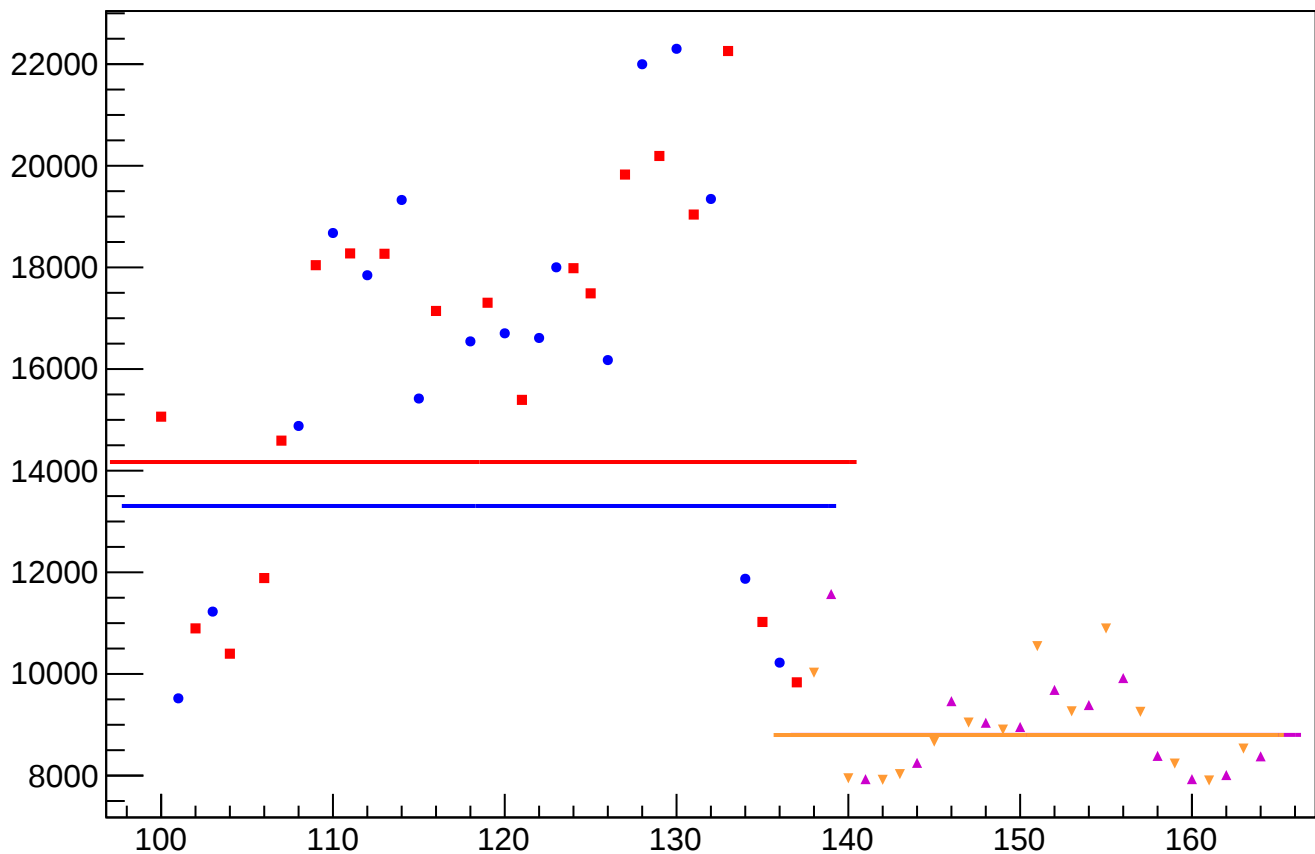
Right: 0.688 +/- 3.861 χ^2/NDF : 40.2/35

In: -1.350 +/- 2.455 χ^2/NDF : 33.1/29

Out: -9.311 +/- 2.444 χ^2/NDF : 58.2/32

All: -5.348 +/- 1.732 χ^2/NDF : 96.6/62

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2/NDF : 1044091.1/16

Left Out: 8798.665 $\pm$ 1.927 χ^2/NDF : 203569.6/13

Right Out: 14170.668 $\pm$ 3.898 χ^2/NDF : 930612.1/18

Left In: 8800.979 $\pm$ 1.948 χ^2/NDF : 201790.7/12

Left: 8799.810 $\pm$ 1.370 χ^2/NDF : 405361.1/26

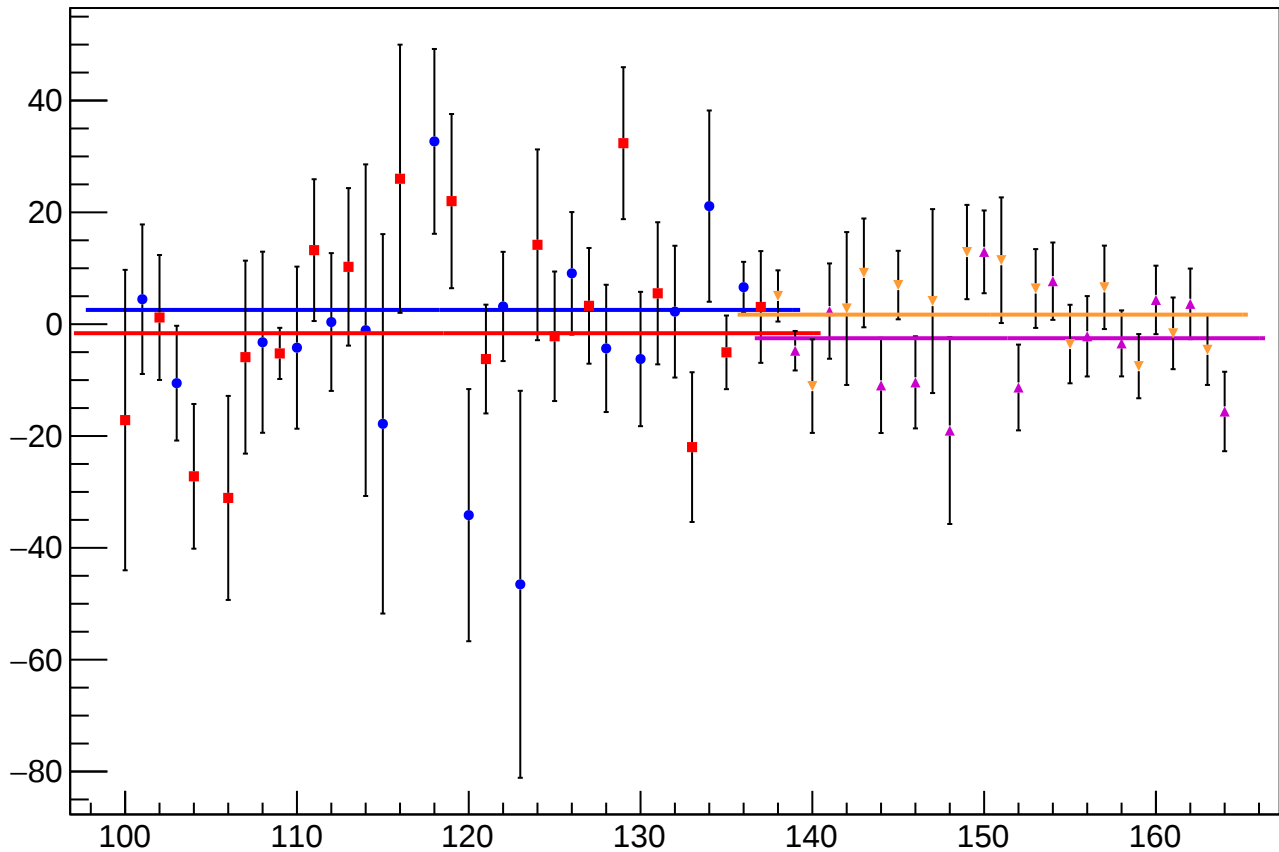
Right: 13729.884 $\pm$ 2.730 χ^2/NDF : 1999799.5/35

In: 9728.271 $\pm$ 1.736 χ^2/NDF : 2346886.6/29

Out: 9853.964 $\pm$ 1.728 χ^2/NDF : 2660089.0/32

All: 9791.404 $\pm$ 1.225 χ^2/NDF : 5009609.6/62

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 1.710 ± 1.930 $\chi^2/\text{NDF}: 12.0/13$

Right Out: -1.613 ± 2.442 $\chi^2/\text{NDF}: 24.0/18$

Left In: -2.513 ± 1.820 $\chi^2/\text{NDF}: 17.1/12$

Left: -0.524 ± 1.324 $\chi^2/\text{NDF}: 31.6/26$

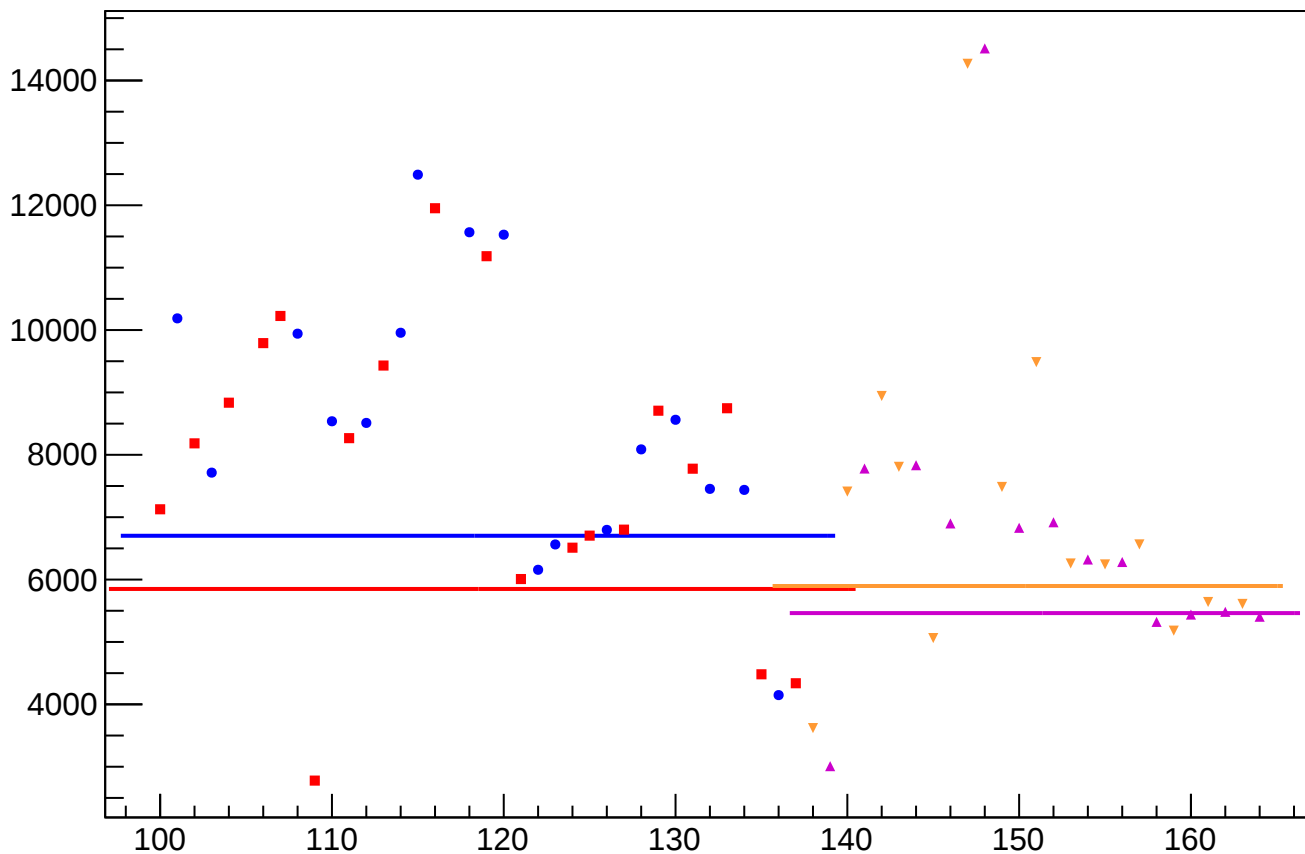
Right: 0.218 ± 1.828 $\chi^2/\text{NDF}: 38.9/35$

In: -0.975 ± 1.519 $\chi^2/\text{NDF}: 33.1/29$

Out: 0.433 ± 1.514 $\chi^2/\text{NDF}: 37.2/32$

All: -0.269 ± 1.072 $\chi^2/\text{NDF}: 70.7/62$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5897.018+/-1.364 χ^2/NDF : 1631206.2/13

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

Left In: 5462.729+/-1.287 χ^2/NDF : 2113109.7/12

Left: 5667.254+/-0.936 χ^2/NDF : 3797918.9/26

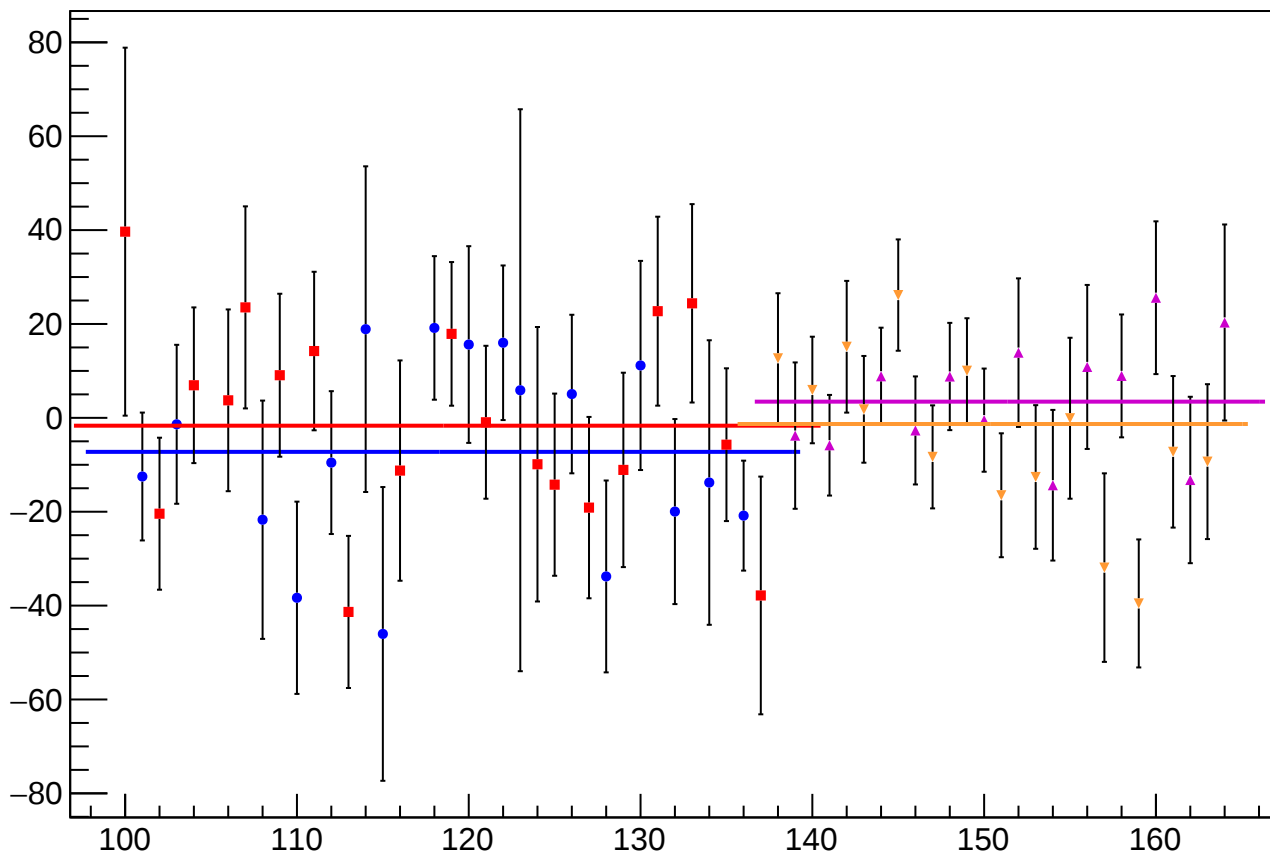
Right: 6224.538+/-1.293 χ^2/NDF : 3775609.7/35

In: 5839.116+/-1.074 χ^2/NDF : 3784612.5/29

Out: 5878.798+/-1.071 χ^2/NDF : 3910134.8/32

All: 5859.023+/-0.758 χ^2/NDF : 7695431.9/62

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 ± 4.547 $\chi^2/\text{NDF}: 15.9/16$

Left Out: -1.310 ± 3.581 $\chi^2/\text{NDF}: 22.1/13$

Right Out: -1.671 ± 4.373 $\chi^2/\text{NDF}: 19.9/18$

Left In: 3.452 ± 3.730 $\chi^2/\text{NDF}: 7.3/12$

Left: 0.974 ± 2.583 $\chi^2/\text{NDF}: 30.2/26$

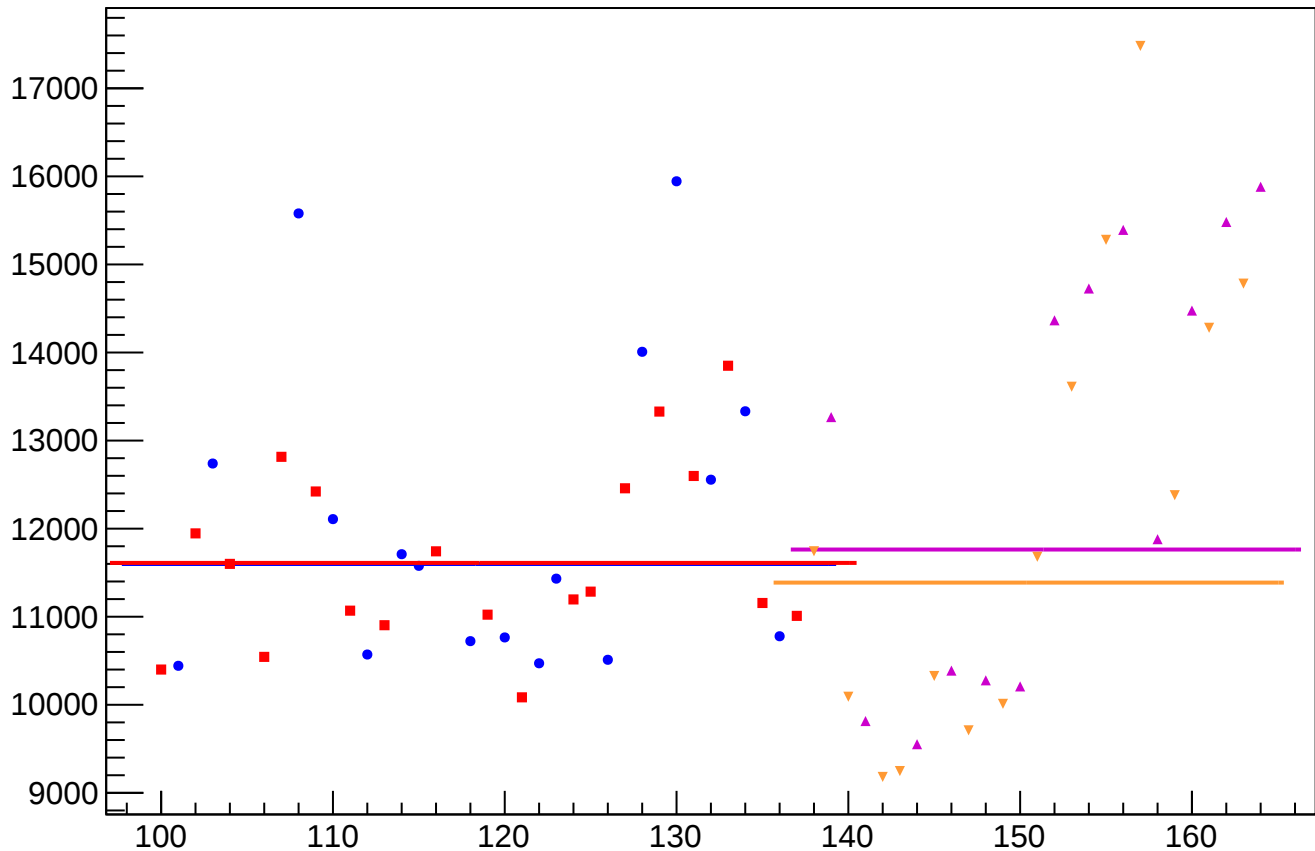
Right: -4.349 ± 3.152 $\chi^2/\text{NDF}: 36.6/35$

In: -0.851 ± 2.884 $\chi^2/\text{NDF}: 26.5/29$

Out: -1.455 ± 2.771 $\chi^2/\text{NDF}: 42.0/32$

All: -1.165 ± 1.998 $\chi^2/\text{NDF}: 68.5/62$

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751 $\pm$ 3.215 χ^2/NDF : 235423.8/16

Left Out: 11387.407 $\pm$ 2.532 χ^2/NDF : 730597.1/13

Right Out: 11610.941 $\pm$ 3.092 χ^2/NDF : 94447.0/18

Left In: 11762.887 $\pm$ 2.638 χ^2/NDF : 708365.7/12

Left: 11567.516 $\pm$ 1.827 χ^2/NDF : 1449507.3/26

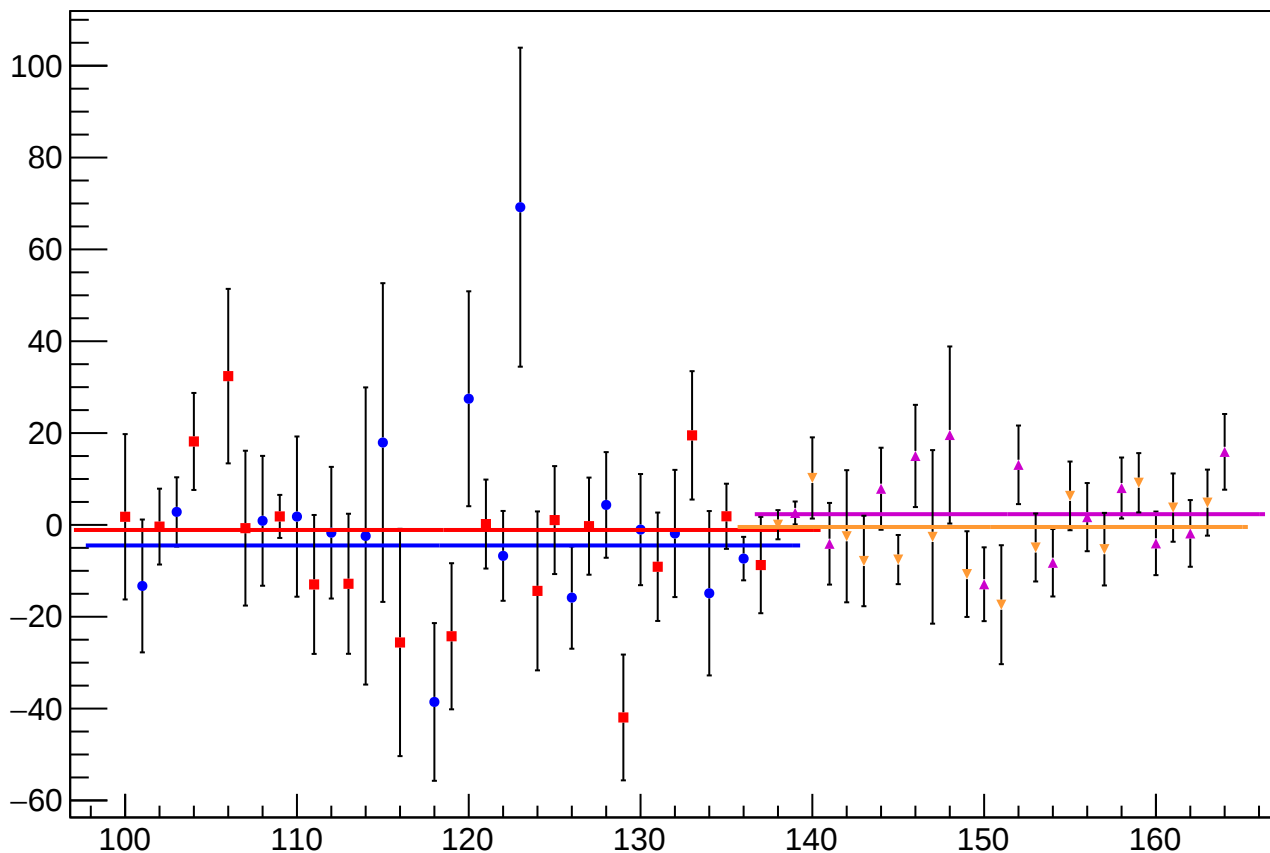
Right: 11605.084 $\pm$ 2.229 χ^2/NDF : 329878.2/35

In: 11696.860 $\pm$ 2.039 χ^2/NDF : 945347.3/29

Out: 11477.149 $\pm$ 1.959 χ^2/NDF : 828171.9/32

All: 11582.613 $\pm$ 1.413 χ^2/NDF : 1779555.5/6

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.454 ± 1.839 χ^2/NDF : 11.4/13

Right Out: -1.105 ± 2.429 χ^2/NDF : 24.0/18

Left In: 2.336 ± 1.715 χ^2/NDF : 14.9/12

Left: 1.039 ± 1.254 χ^2/NDF : 27.5/26

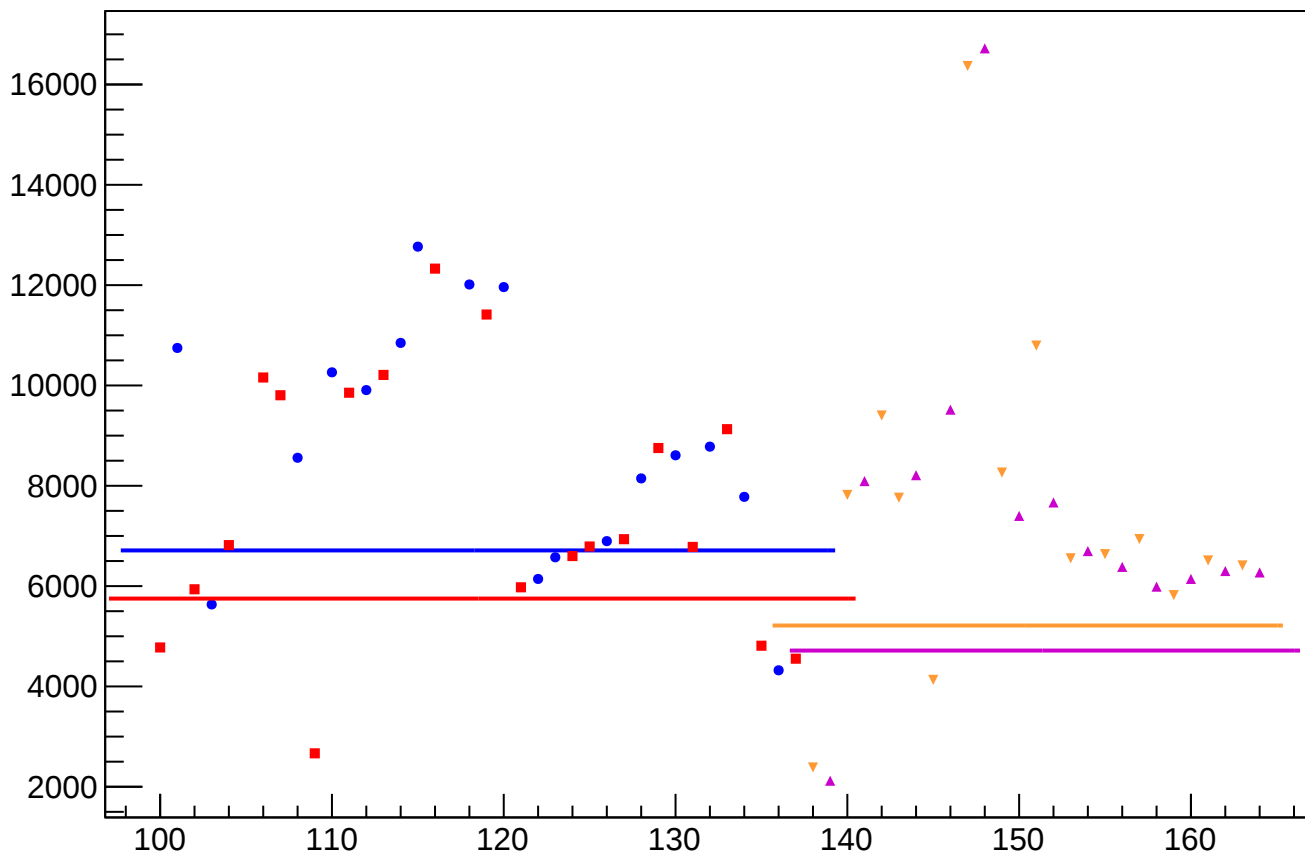
Right: -2.563 ± 1.830 χ^2/NDF : 39.7/35

In: 0.461 ± 1.460 χ^2/NDF : 34.1/29

Out: -0.691 ± 1.466 χ^2/NDF : 35.5/32

All: -0.113 ± 1.034 χ^2/NDF : 69.9/62

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 +/- 1.967 χ^2/NDF : 1446972.0/16

Left Out: 5214.327 +/- 1.300 χ^2/NDF : 3793249.8/13

Right Out: 5751.505 +/- 1.718 χ^2/NDF : 2165110.0/18

Left In: 4715.146 +/- 1.213 χ^2/NDF : 4945866.6/12

Left: 4947.311 +/- 0.887 χ^2/NDF : 8817945.3/26

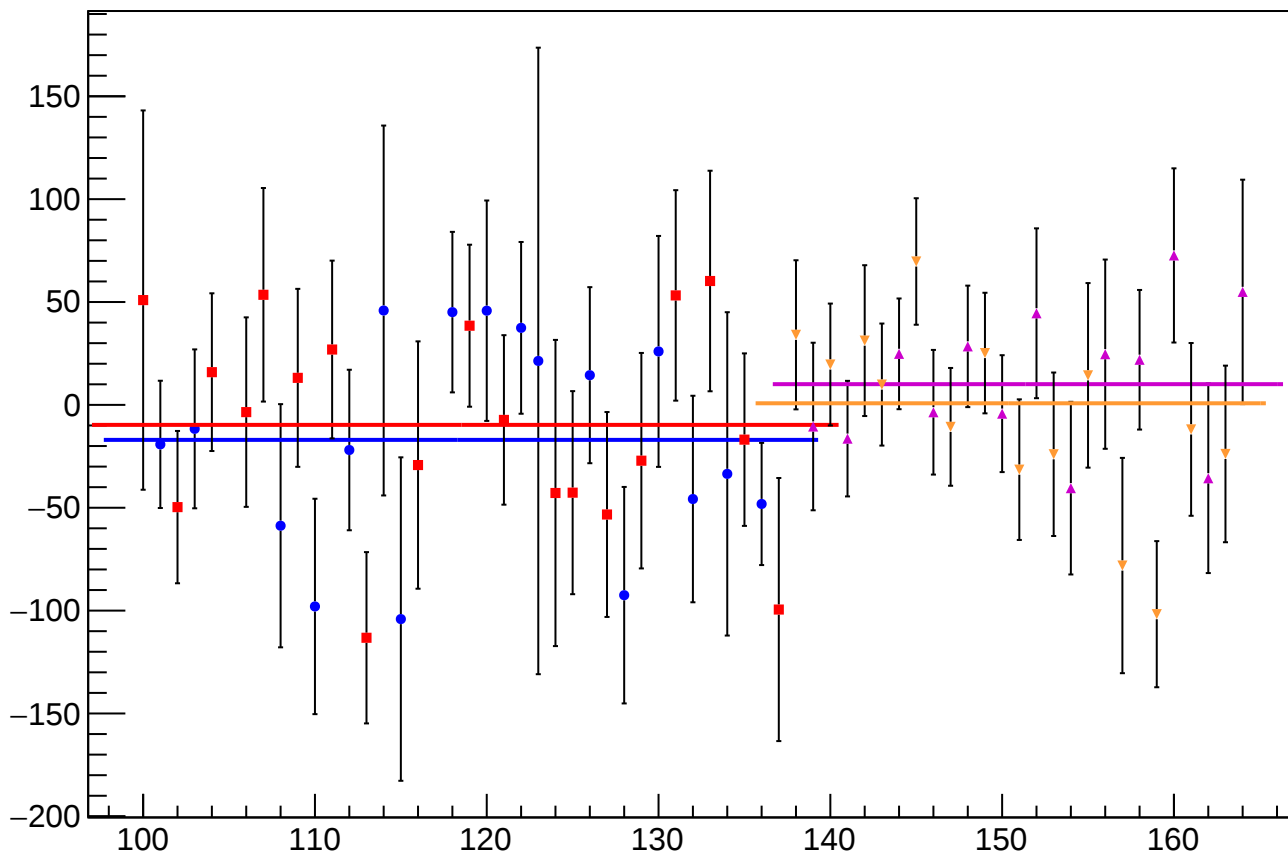
Right: 6166.836 +/- 1.294 χ^2/NDF : 3747249.5/35

In: 5264.876 +/- 1.032 χ^2/NDF : 7139340.1/29

Out: 5410.046 +/- 1.037 χ^2/NDF : 6020538.9/32

All: 5337.140 +/- 0.731 χ^2/NDF : 13169726.2/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 0.777 ± 9.334 χ^2/NDF : 20.3/13

Right Out: -9.719 ± 10.891 χ^2/NDF : 19.1/18

Left In: 10.072 ± 9.719 χ^2/NDF : 8.5/12

Left: 5.237 ± 6.732 χ^2/NDF : 29.3/26

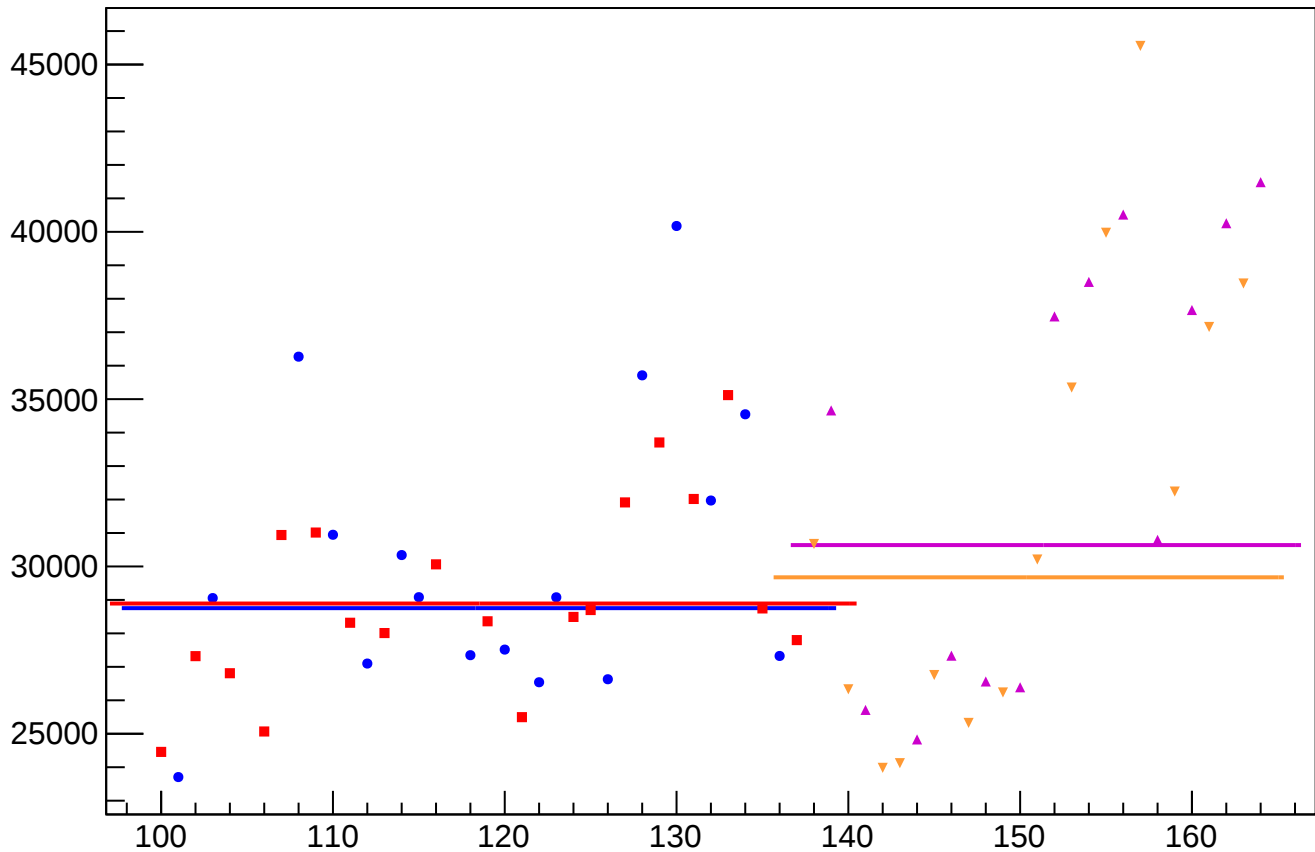
Right: -13.234 ± 7.837 χ^2/NDF : 34.3/35

In: -1.458 ± 7.365 χ^2/NDF : 26.8/29

Out: -3.668 ± 7.087 χ^2/NDF : 39.9/32

All: -2.605 ± 5.107 χ^2/NDF : 66.7/62

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 29675.239+/-6.600 χ^2/NDF : 725705.5/13

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

Left In: 30638.806+/-6.872 χ^2/NDF : 719496.6/12

Left: 30137.556+/-4.760 χ^2/NDF : 1455429.4/26

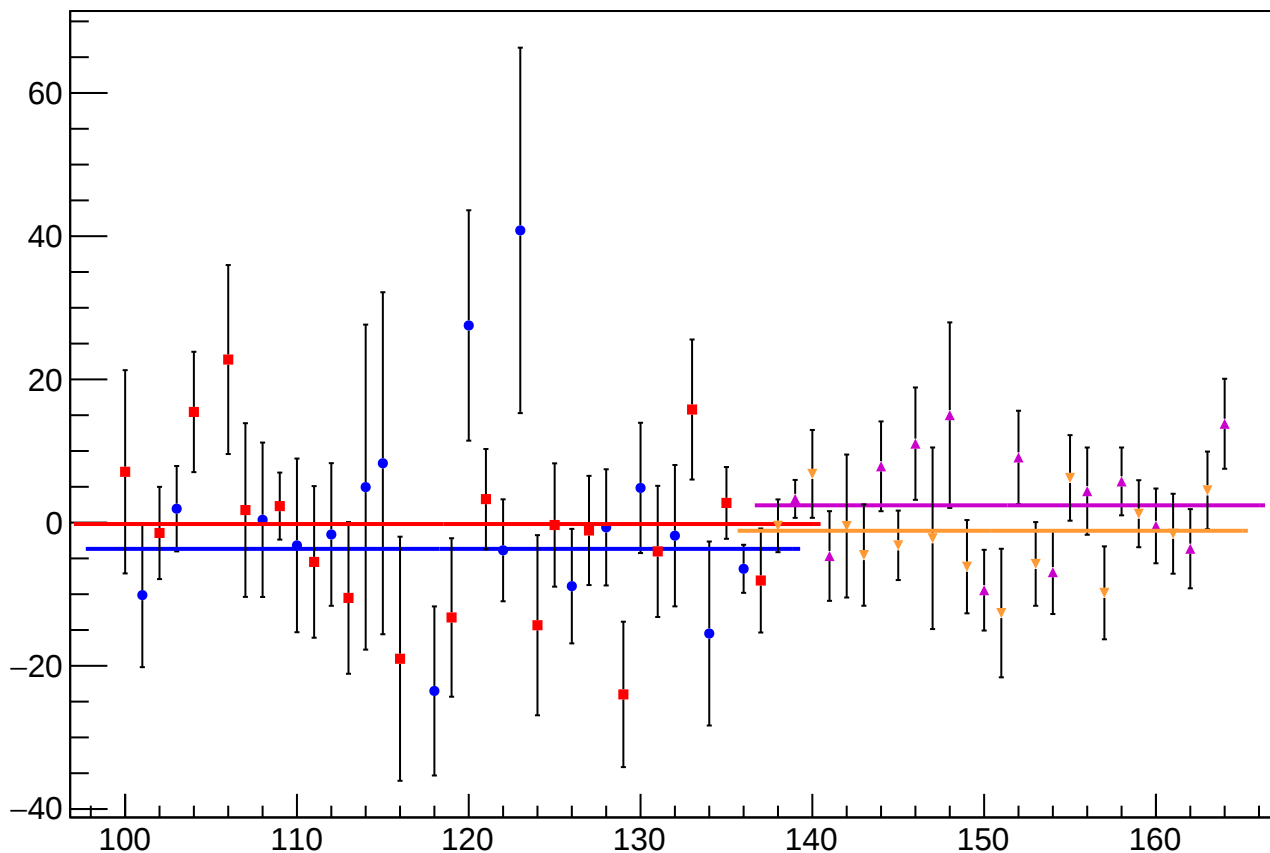
Right: 28825.443+/-5.542 χ^2/NDF : 360612.0/35

In: 29836.275+/-5.208 χ^2/NDF : 1000745.2/29

Out: 29343.636+/-5.011 χ^2/NDF : 842908.3/32

All: 29580.491+/-3.611 χ^2/NDF : 1848300.0/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.141 ± 1.566 χ^2/NDF : 9.6/13

Right Out: -0.199 ± 1.893 χ^2/NDF : 22.3/18

Left In: 2.414 ± 1.464 χ^2/NDF : 17.7/12

Left: 0.756 ± 1.070 χ^2/NDF : 30.1/26

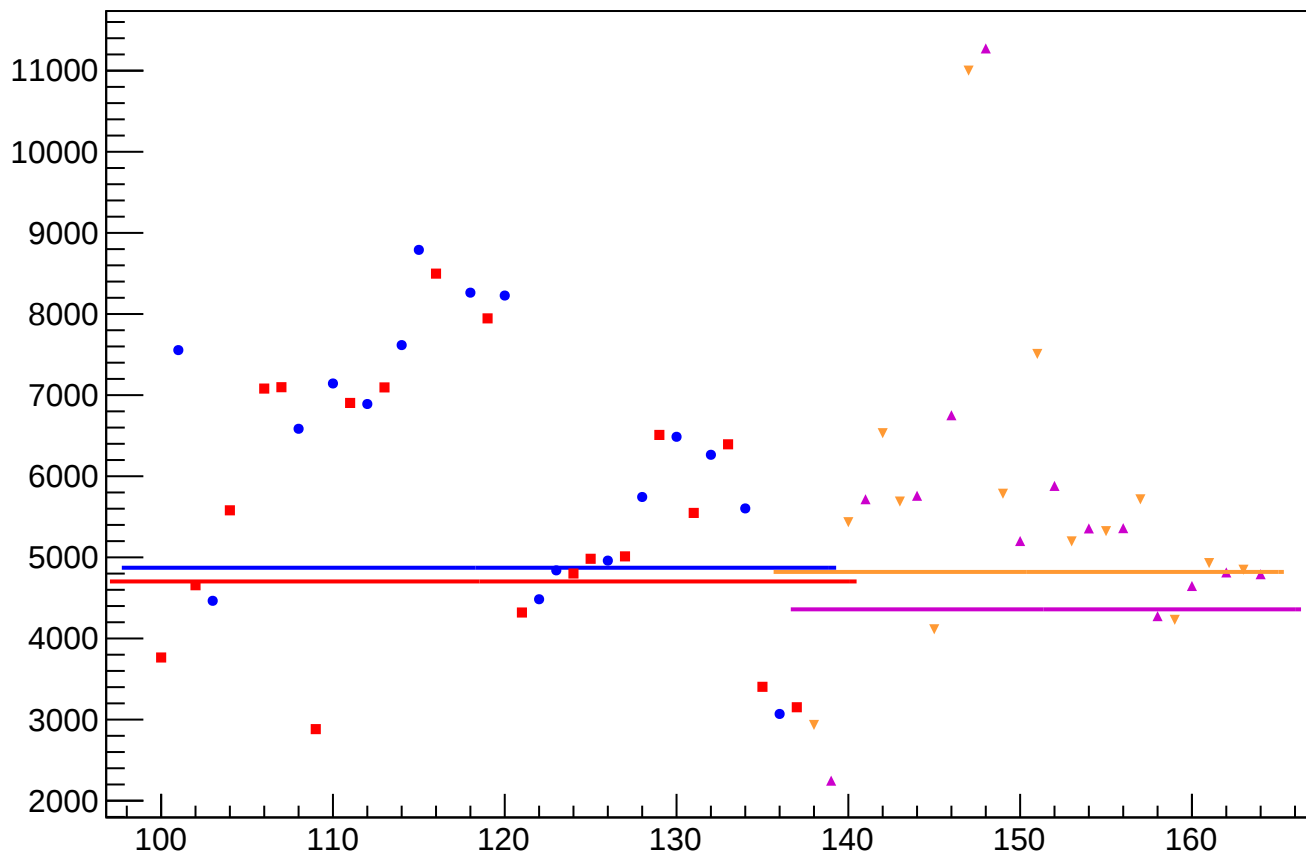
Right: -1.830 ± 1.378 χ^2/NDF : 38.4/35

In: 0.305 ± 1.183 χ^2/NDF : 38.2/29

Out: -0.758 ± 1.207 χ^2/NDF : 32.1/32

All: -0.216 ± 0.845 χ^2/NDF : 70.7/62

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4820.540+/-1.107 χ^2/NDF : 1466692.3/13

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

Left In: 4359.081+/-1.035 χ^2/NDF : 2519387.9/12

Left: 4574.313+/-0.756 χ^2/NDF : 4078734.3/26

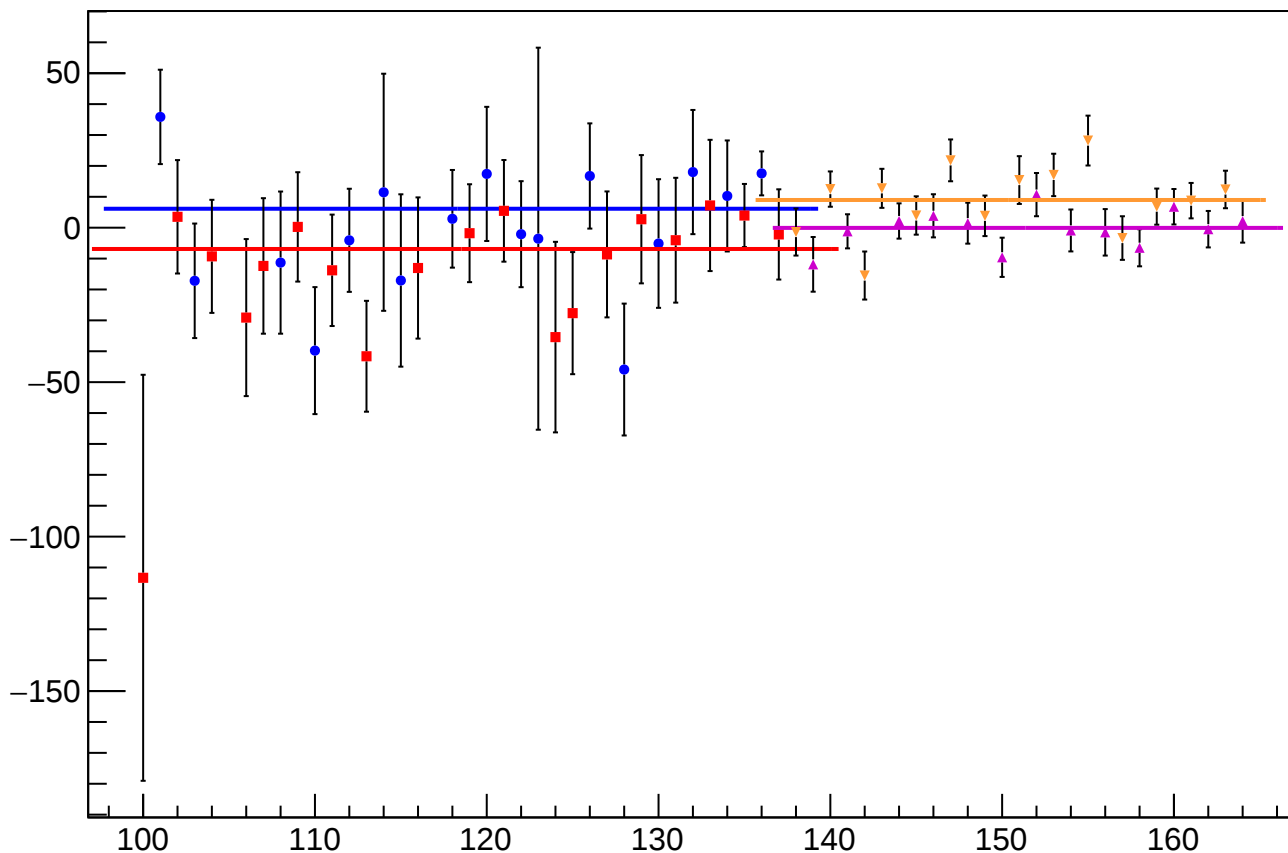
Right: 4782.480+/-0.974 χ^2/NDF : 2725478.8/35

In: 4536.966+/-0.837 χ^2/NDF : 4009774.7/29

Out: 4772.768+/-0.853 χ^2/NDF : 2783992.2/32

All: 4652.583+/-0.597 χ^2/NDF : 6832699.0/62

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 8.968 ± 1.766 χ^2/NDF : 28.6/13

Right Out: -6.892 ± 4.224 χ^2/NDF : 12.5/18

Left In: -0.067 ± 1.791 χ^2/NDF : 9.7/12

Left: 4.515 ± 1.258 χ^2/NDF : 51.2/26

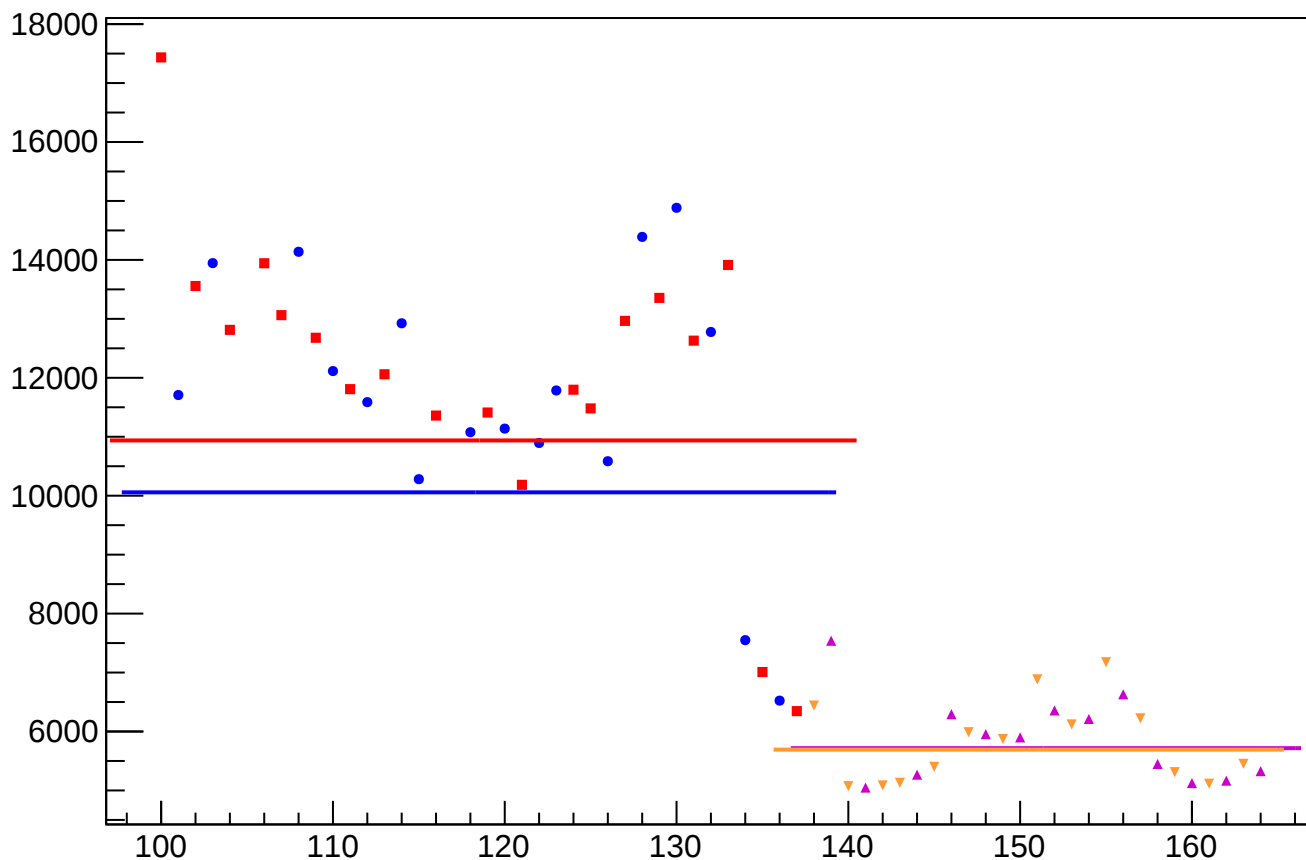
Right: -0.153 ± 2.935 χ^2/NDF : 39.6/35

In: 0.935 ± 1.640 χ^2/NDF : 33.8/29

Out: 6.609 ± 1.629 χ^2/NDF : 53.1/32

All: 3.791 ± 1.156 χ^2/NDF : 92.9/62

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5692.445 $\pm$ 1.249 χ^2 /NDF:246700.5/13

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

Left In: 5717.318 $\pm$ 1.267 χ^2 /NDF:250192.3/12

Left: 5704.704 $\pm$ 0.889 χ^2 /NDF: 497088.3/26

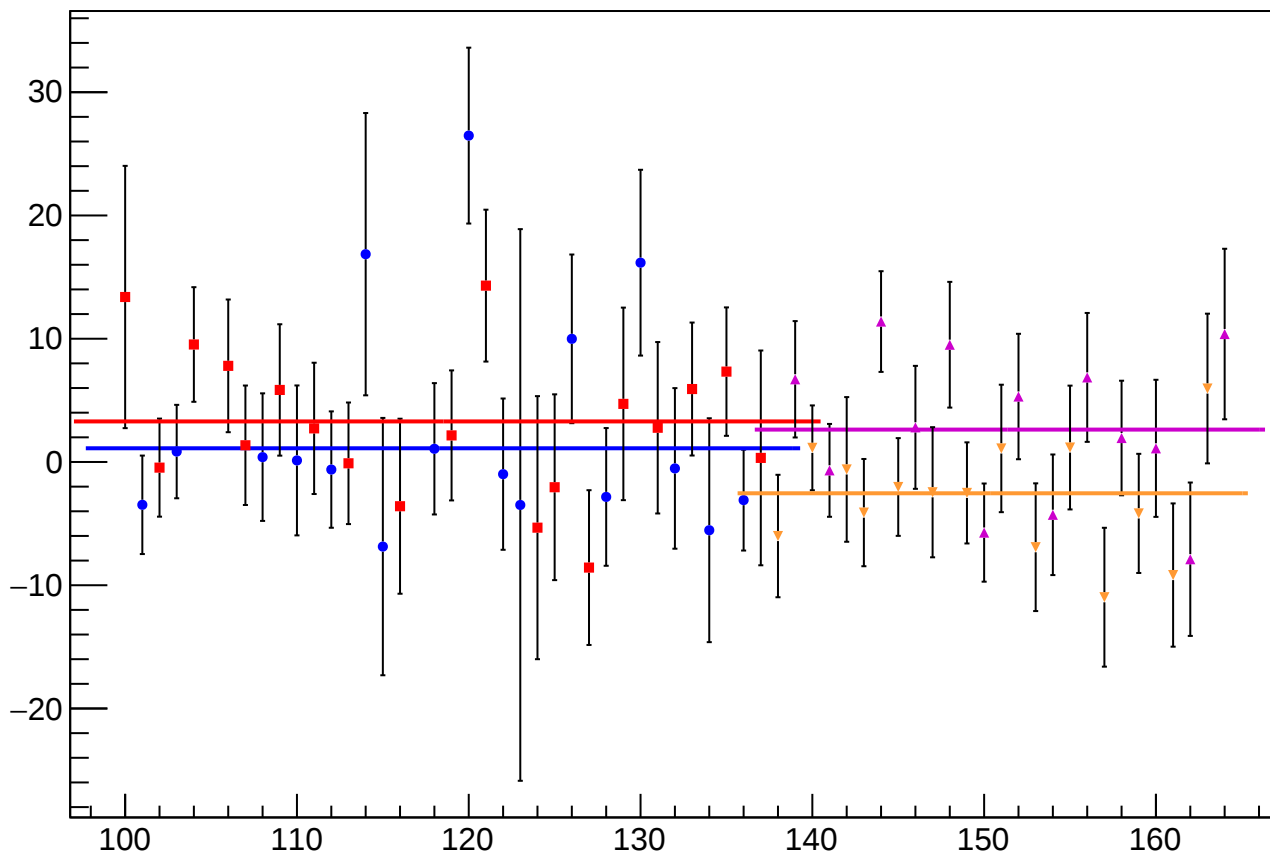
Right: 10481.996 $\pm$ 2.075 χ^2 /NDF: 1810742.6/35

In: 6418.649 $\pm$ 1.160 χ^2 /NDF:3149893.2/29

Out: 6472.715 $\pm$ 1.152 χ^2 /NDF:3634209.7/32

All: 6445.863 $\pm$ 0.817 χ^2 /NDF: 6785196.6/62

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -2.539 ± 1.279 $\chi^2/\text{NDF}: 9.3/13$

Right Out: 3.290 ± 1.334 $\chi^2/\text{NDF}: 15.1/18$

Left In: 2.627 ± 1.337 $\chi^2/\text{NDF}: 19.5/12$

Left: -0.070 ± 0.924 $\chi^2/\text{NDF}: 36.5/26$

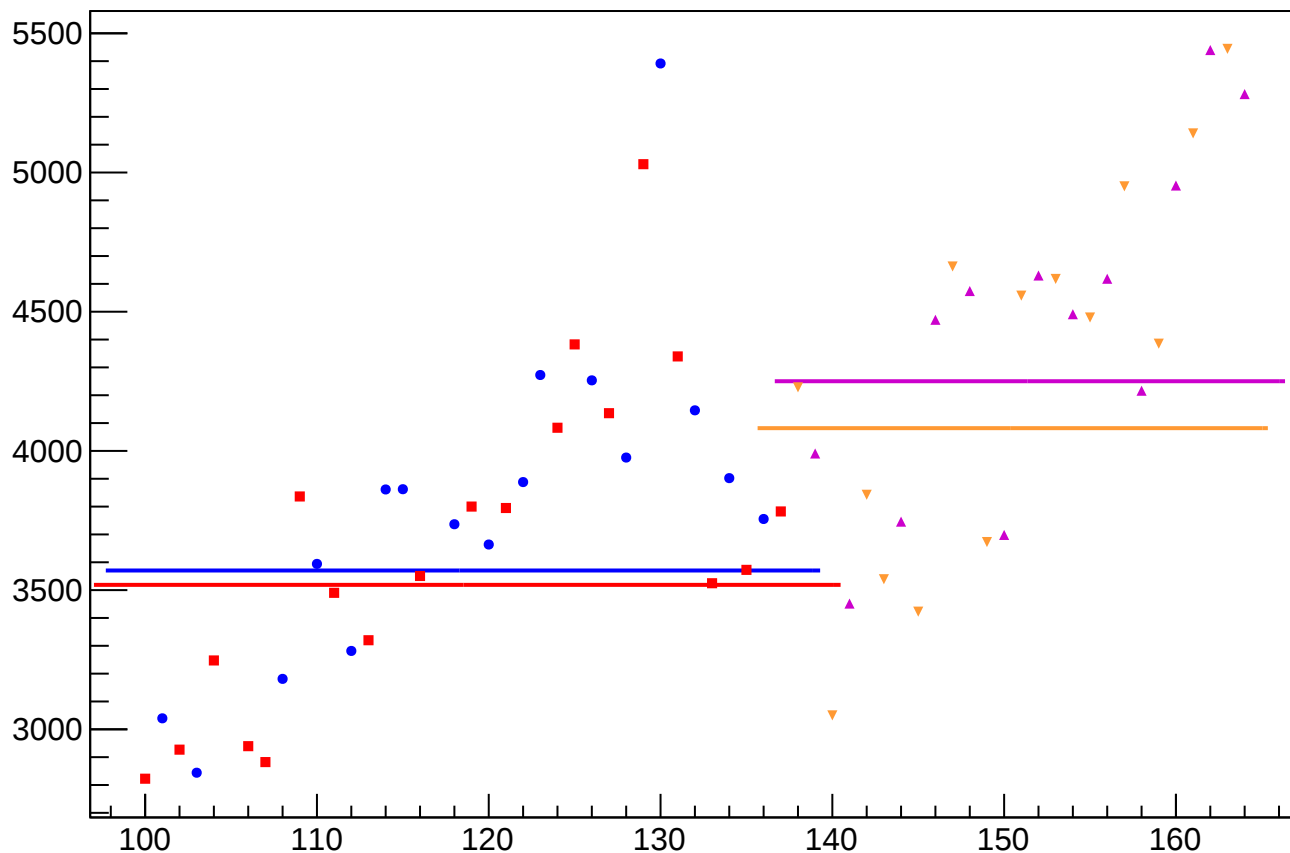
Right: 2.256 ± 0.967 $\chi^2/\text{NDF}: 40.9/35$

In: 1.906 ± 0.968 $\chi^2/\text{NDF}: 44.7/29$

Out: 0.254 ± 0.923 $\chi^2/\text{NDF}: 34.3/32$

All: 1.041 ± 0.668 $\chi^2/\text{NDF}: 80.5/62$

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4081.726+/-0.905 χ^2/NDF : 588646.3/13

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

Left In: 4250.318+/-0.946 χ^2/NDF : 352334.7/12

Left: 4162.285+/-0.654 χ^2/NDF : 957581.0/26

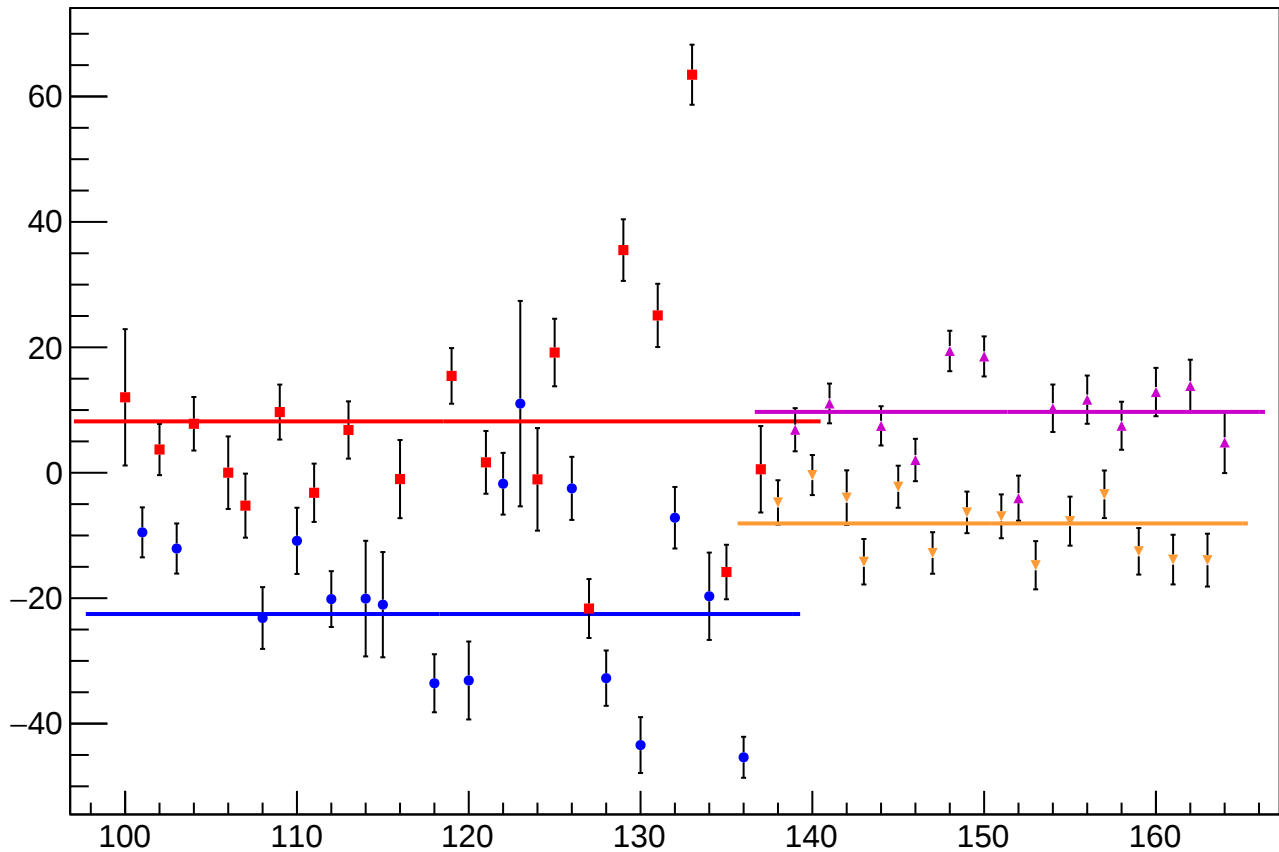
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 3926.670+/-0.684 χ^2/NDF : 908130.8/29

Out: 3812.024+/-0.653 χ^2/NDF : 1067576.1/32

All: 3866.635+/-0.472 χ^2/NDF : 1990400.0/62

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 $\pm$ 1.201 χ^2 /NDF: 155.5/16

Left Out: -8.083 $\pm$ 0.974 χ^2 /NDF:25.9/13

Right Out: 8.192 $\pm$ 1.157 χ^2 /NDF: 275.8/18

Left In: 9.705 $\pm$ 0.992 χ^2 /NDF:41.2/12

Left: 0.649 $\pm$ 0.695 χ^2 /NDF: 230.9/26

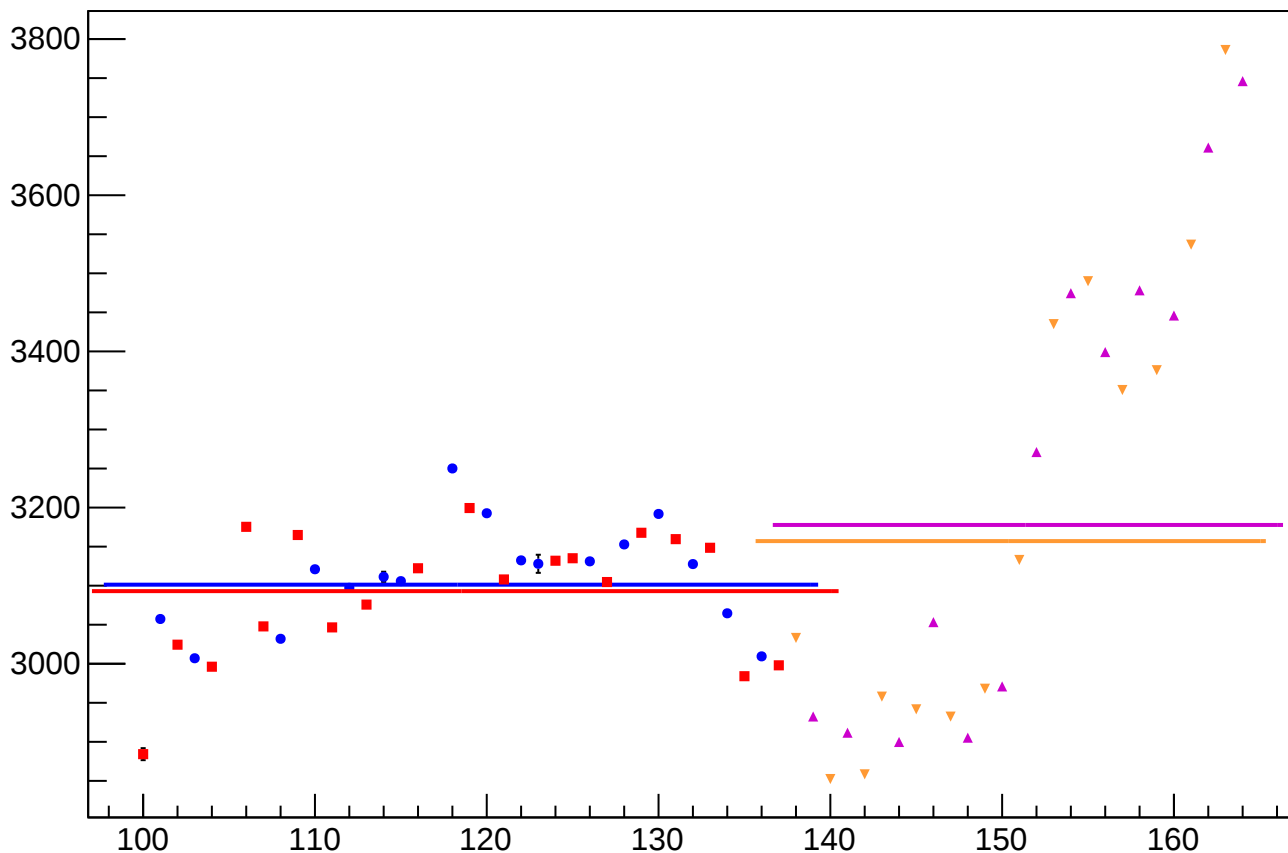
Right: -6.598 $\pm$ 0.833 χ^2 /NDF: 770.8/35

In: -3.365 $\pm$ 0.764 χ^2 /NDF:625.2/29

Out: -1.335 $\pm$ 0.745 χ^2 /NDF:417.6/32

All: -2.324 $\pm$ 0.534 χ^2 /NDF: 1046.4/62

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 $\pm$ 0.849 χ^2/NDF : 7233.8/16

Left Out: 3157.073 $\pm$ 0.689 χ^2/NDF : 160155.1/13

Right Out: 3092.993 $\pm$ 0.818 χ^2/NDF : 7766.0/18

Left In: 3177.748 $\pm$ 0.701 χ^2/NDF : 161439.0/12

Left: 3167.223 $\pm$ 0.491 χ^2/NDF : 322036.8/26

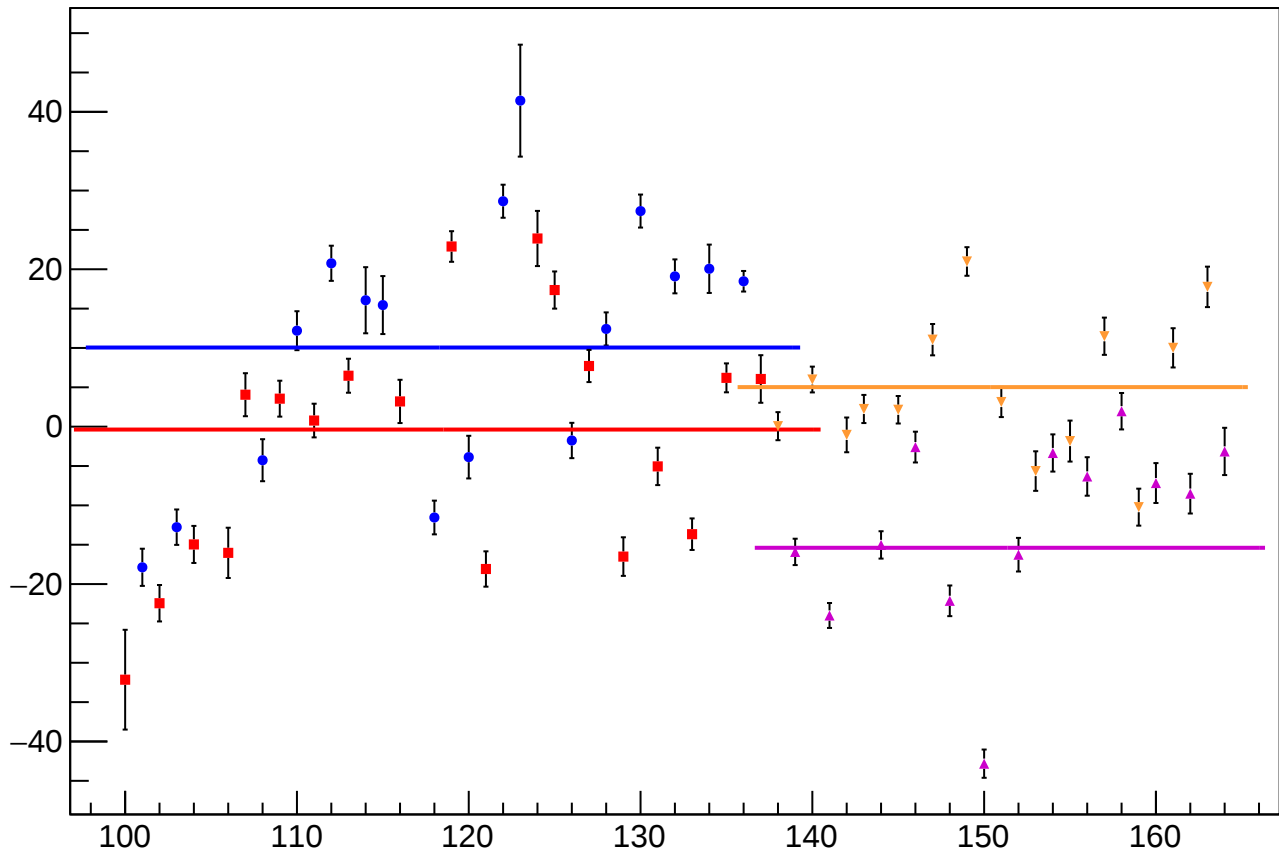
Right: 3096.979 $\pm$ 0.589 χ^2/NDF : 15049.1/35

In: 3146.736 $\pm$ 0.541 χ^2/NDF : 173497.9/29

Out: 3130.503 $\pm$ 0.527 χ^2/NDF : 171512.8/32

All: 3138.410 $\pm$ 0.377 χ^2/NDF : 345473.3/62

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 5.025 ± 0.547 χ^2/NDF : 211.3/13

Right Out: -0.367 ± 0.547 χ^2/NDF : 629.8/18

Left In: -15.390 ± 0.568 χ^2/NDF : 448.4/12

Left: -4.798 ± 0.394 χ^2/NDF : 1329.2/26

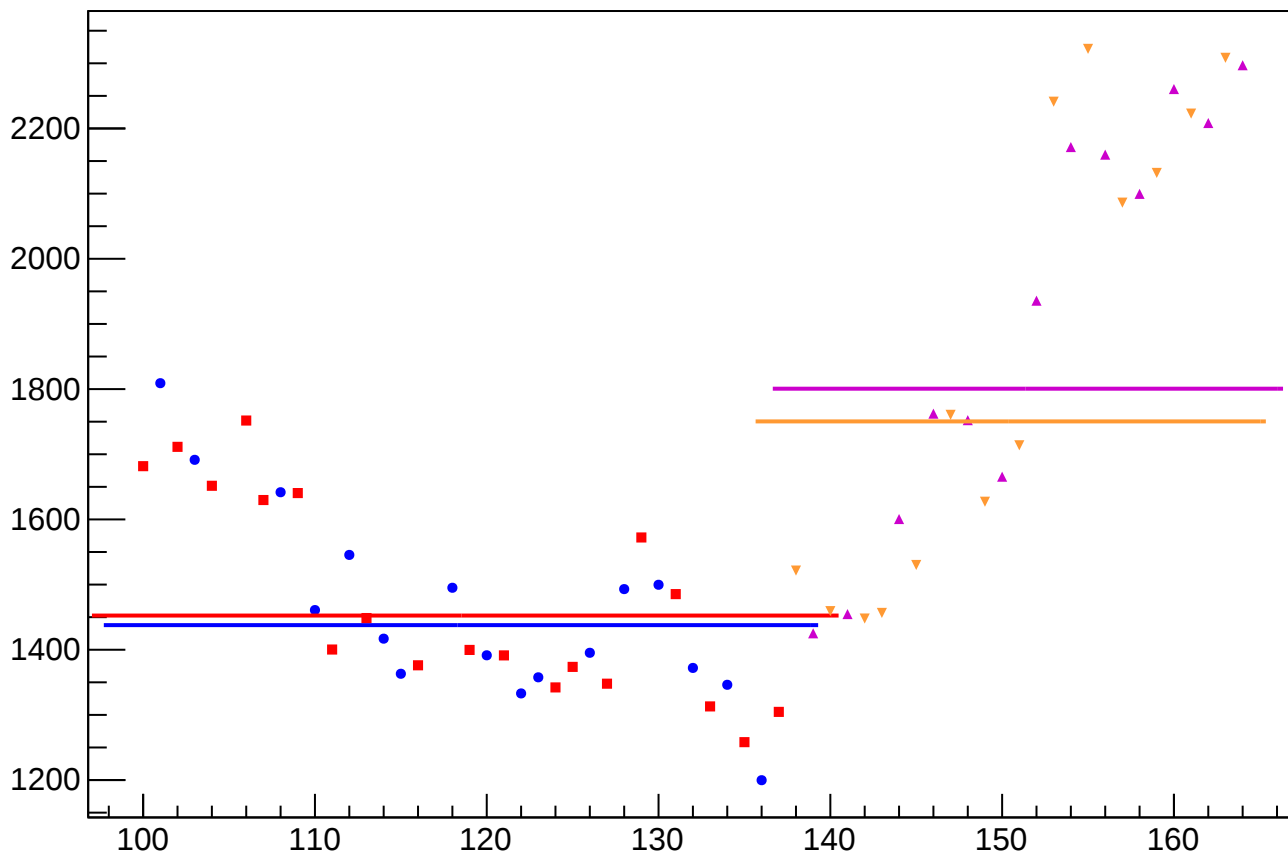
Right: 4.707 ± 0.392 χ^2/NDF : 1498.8/35

In: -2.518 ± 0.399 χ^2/NDF : 2154.8/29

Out: 2.328 ± 0.387 χ^2/NDF : 889.7/32

All: -0.017 ± 0.278 χ^2/NDF : 3120.4/62

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1750.427 $\pm$ 0.387 χ^2 /NDF: 661196.2/13

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

Left In: 1800.629 $\pm$ 0.402 χ^2 /NDF: 542078.7/12

Left: 1774.582 $\pm$ 0.279 χ^2 /NDF: 1211372.7/26

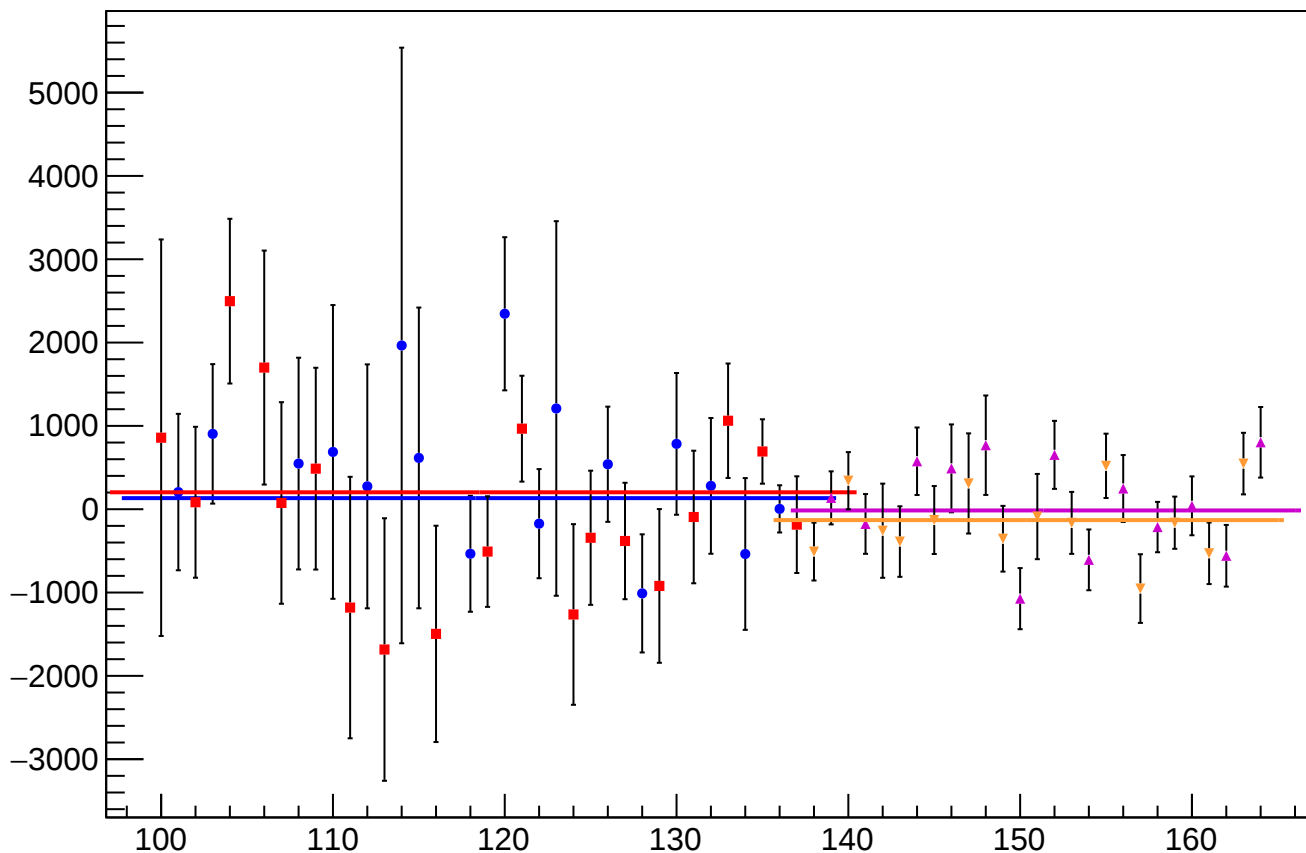
Right: 1445.316 $\pm$ 0.277 χ^2 /NDF: 312524.3/35

In: 1617.068 $\pm$ 0.282 χ^2 /NDF: 1127766.3/29

Out: 1601.382 $\pm$ 0.274 χ^2 /NDF: 1096352.9/32

All: 1608.974 $\pm$ 0.197 χ^2 /NDF: 2225710.4/62

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 ± 180.271 $\chi^2/\text{NDF}: 12.9/16$

Left Out: -130.717 ± 105.869 $\chi^2/\text{NDF}: 15.7/13$

Right Out: 203.062 ± 184.353 $\chi^2/\text{NDF}: 21.4/18$

Left In: -14.761 ± 105.937 $\chi^2/\text{NDF}: 25.6/12$

Left: -72.776 ± 74.885 $\chi^2/\text{NDF}: 41.9/26$

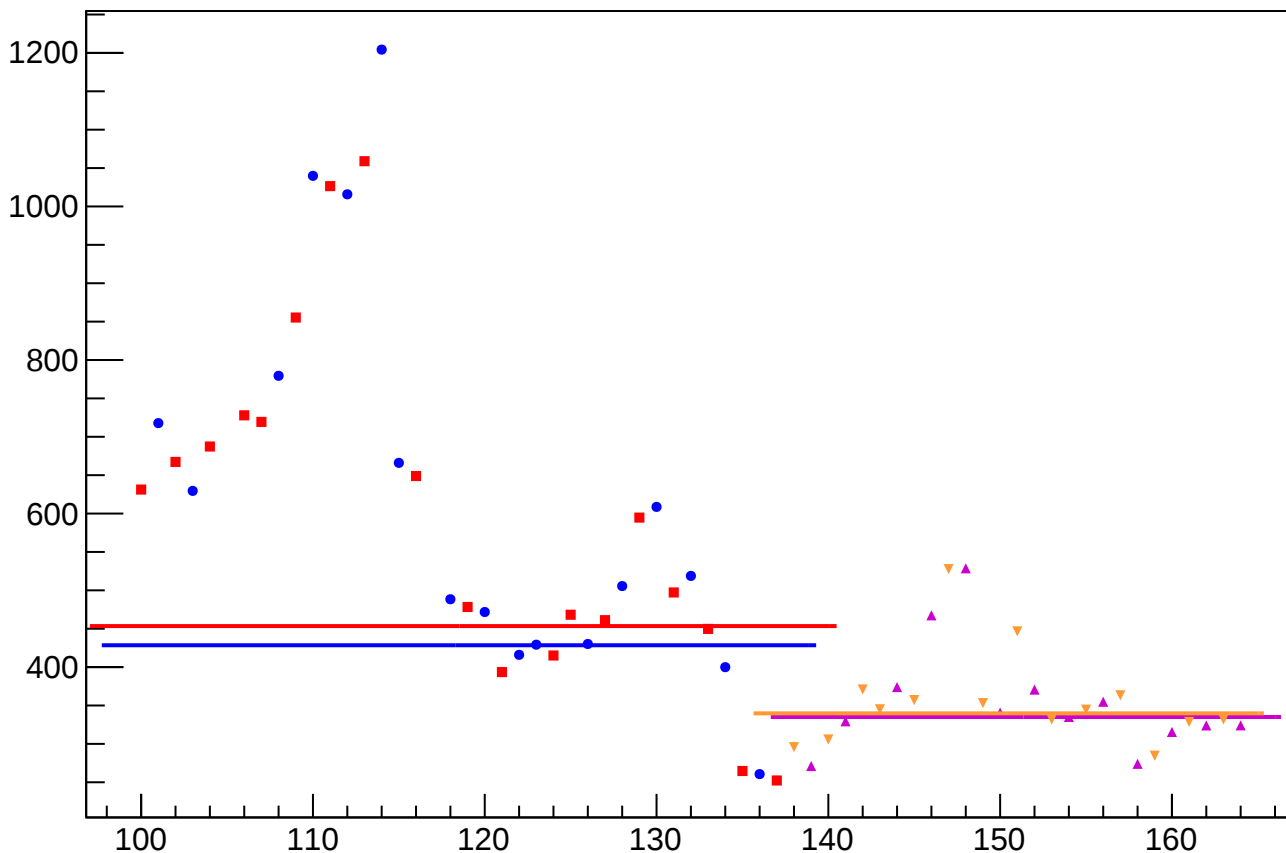
Right: 167.206 ± 128.890 $\chi^2/\text{NDF}: 34.4/35$

In: 23.148 ± 91.334 $\chi^2/\text{NDF}: 39.0/29$

Out: -47.939 ± 91.807 $\chi^2/\text{NDF}: 39.6/32$

All: -12.212 ± 64.750 $\chi^2/\text{NDF}: 78.9/62$

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 339.770 $\pm$ 0.075 χ^2 /NDF: 419092.9/13

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

Left In: 335.031 $\pm$ 0.075 χ^2 /NDF: 547225.3/12

Left: 337.402 $\pm$ 0.053 χ^2 /NDF: 968320.6/26

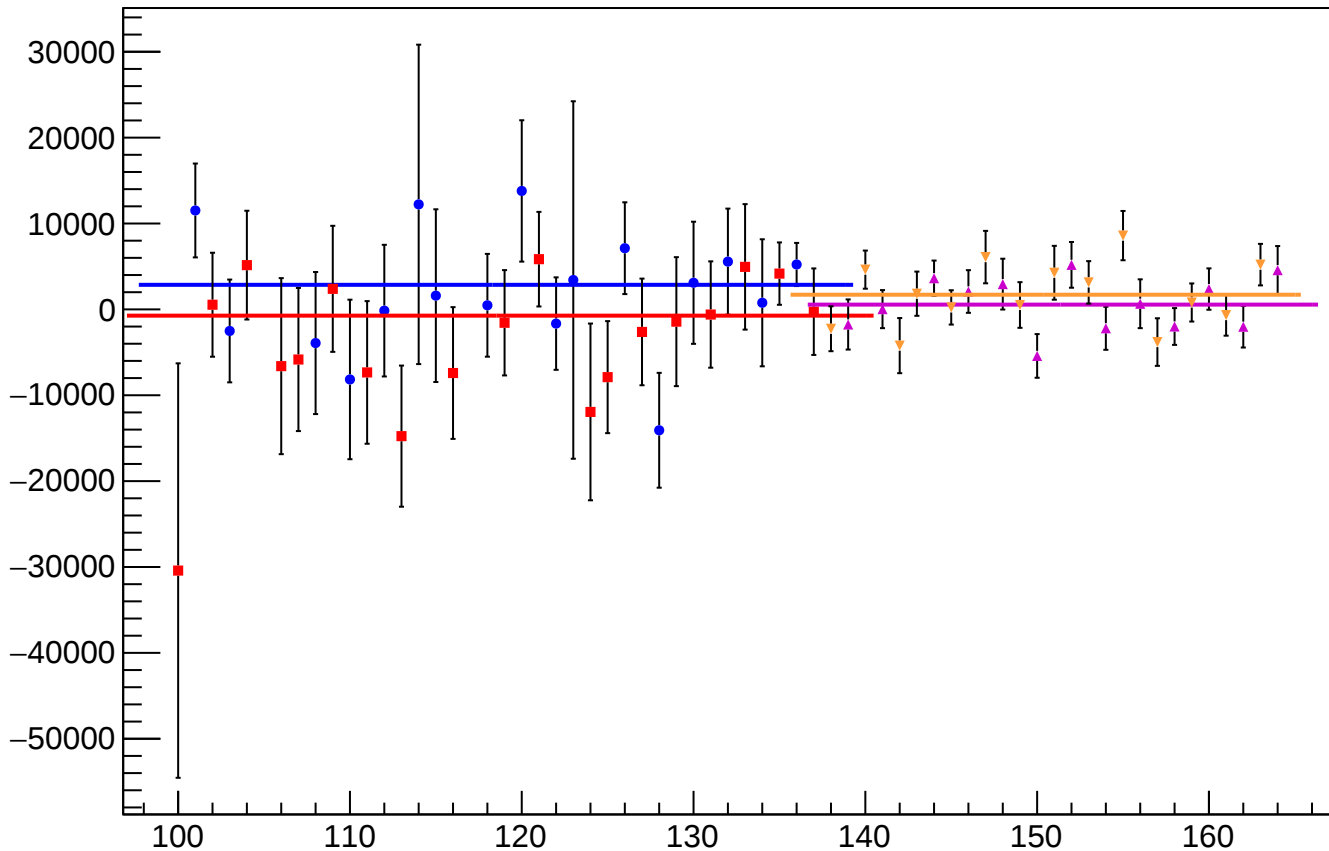
Right: 440.668 $\pm$ 0.091 χ^2 /NDF: 4060031.3/35

In: 359.014 $\pm$ 0.065 χ^2 /NDF: 2957987.2/29

Out: 367.959 $\pm$ 0.065 χ^2 /NDF: 3020647.1/32

All: 363.464 $\pm$ 0.046 χ^2 /NDF: 5988177.1/62

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 1707.381+/-680.182 χ^2/NDF : 24.2/13

Right Out: -729.571+/-1509.224 χ^2/NDF : 14.0/18

Left In: 555.249+/-690.002 χ^2/NDF : 18.9/12

Left: 1139.572+/-484.396 χ^2/NDF : 44.5/26

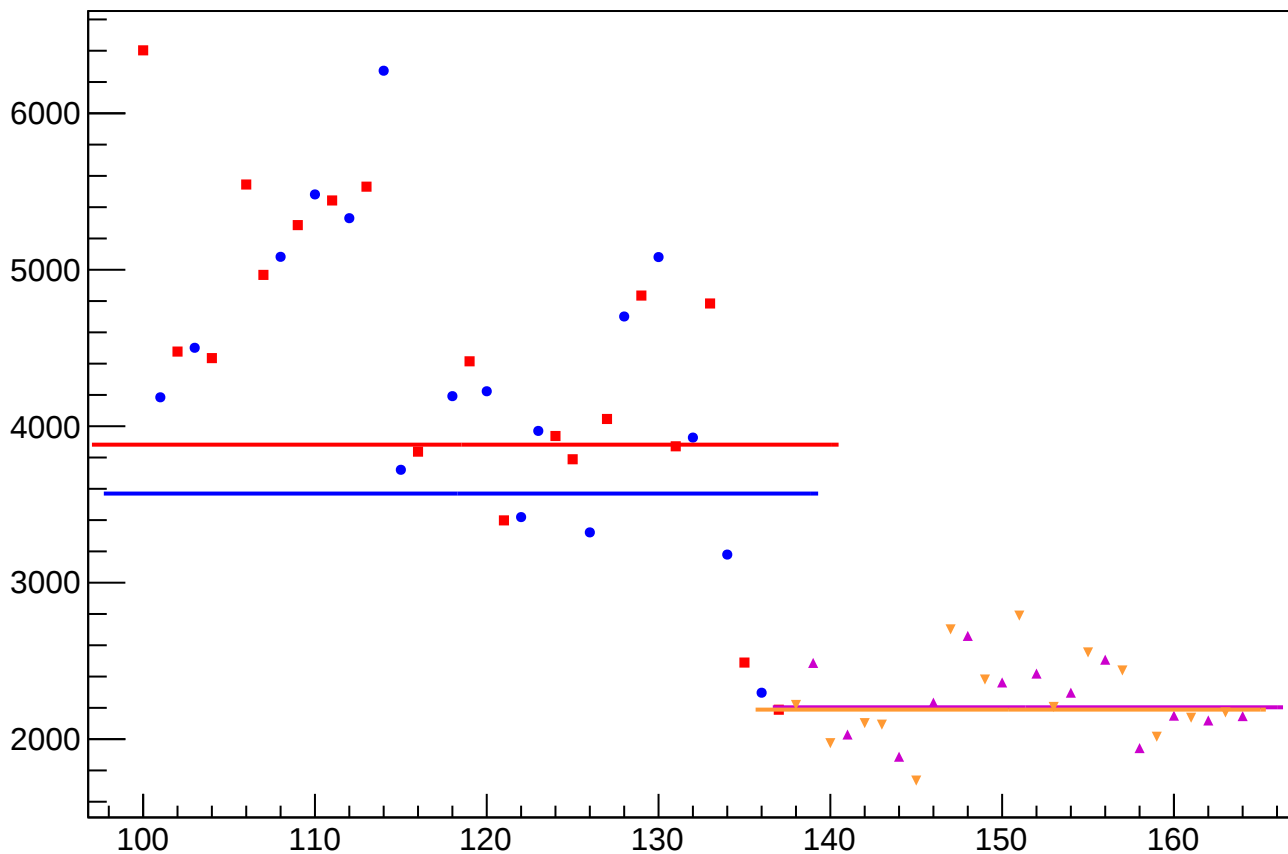
Right: 1139.446+/-1044.821 χ^2/NDF : 33.6/35

In: 981.733+/-622.886 χ^2/NDF : 37.6/29

Out: 1295.964+/-620.114 χ^2/NDF : 40.4/32

All: 1139.549+/-439.464 χ^2/NDF : 78.1/62

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2188.761+/-0.481 χ^2/NDF : 328586.8/13

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

Left In: 2203.542+/-0.488 χ^2/NDF : 206770.3/12

Left: 2196.046+/-0.343 χ^2/NDF : 535822.6/26

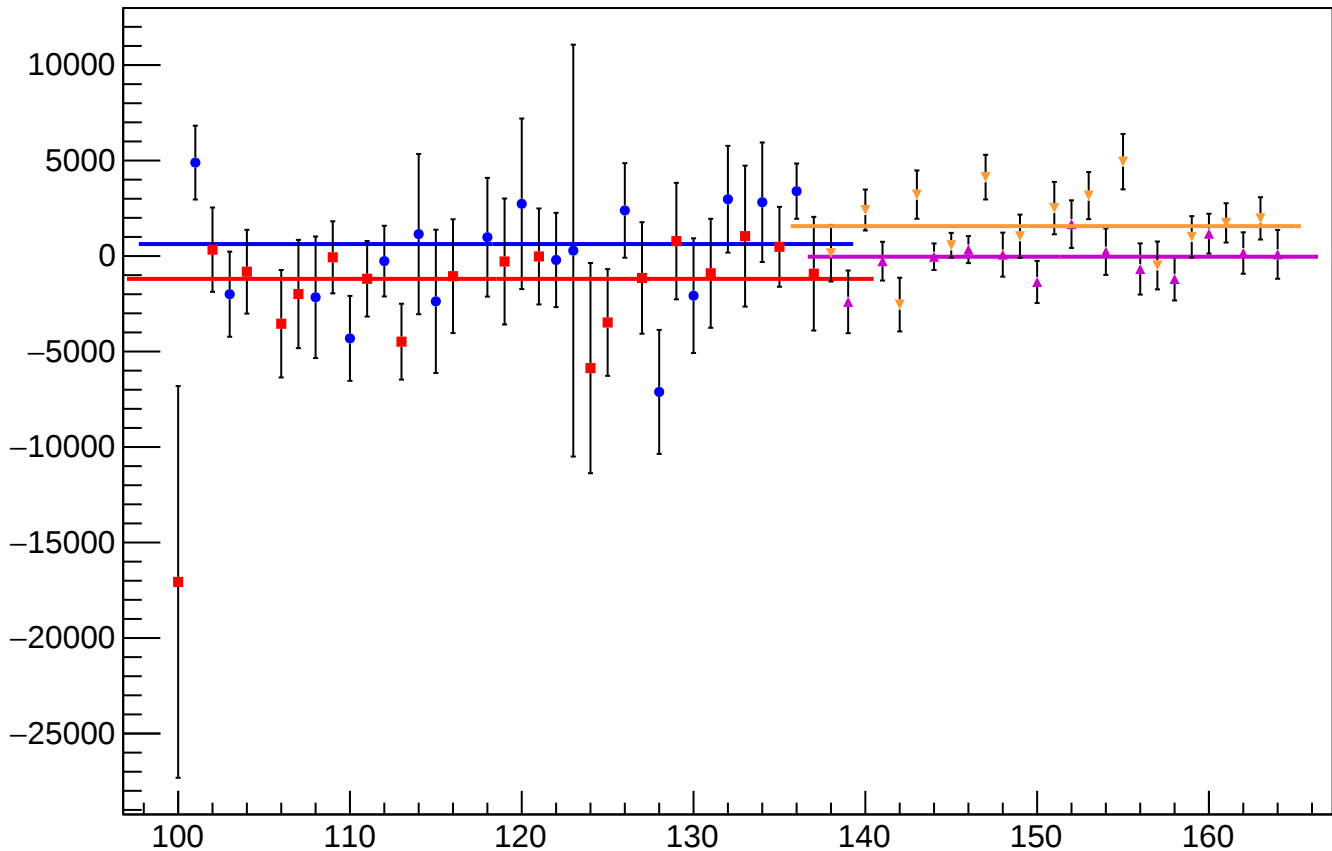
Right: 3719.420+/-0.739 χ^2/NDF : 2115685.3/35

In: 2456.372+/-0.440 χ^2/NDF : 2745607.2/29

Out: 2474.650+/-0.438 χ^2/NDF : 3404524.1/32

All: 2465.552+/-0.311 χ^2/NDF : 6150996.2/62

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1565.030+/-298.225 χ^2/NDF : 29.9/13

Right Out: -1195.385+/-603.058 χ^2/NDF : 9.9/18

Left In: -36.471+/-288.308 χ^2/NDF : 8.5/12

Left: 737.209+/-207.282 χ^2/NDF : 53.2/26

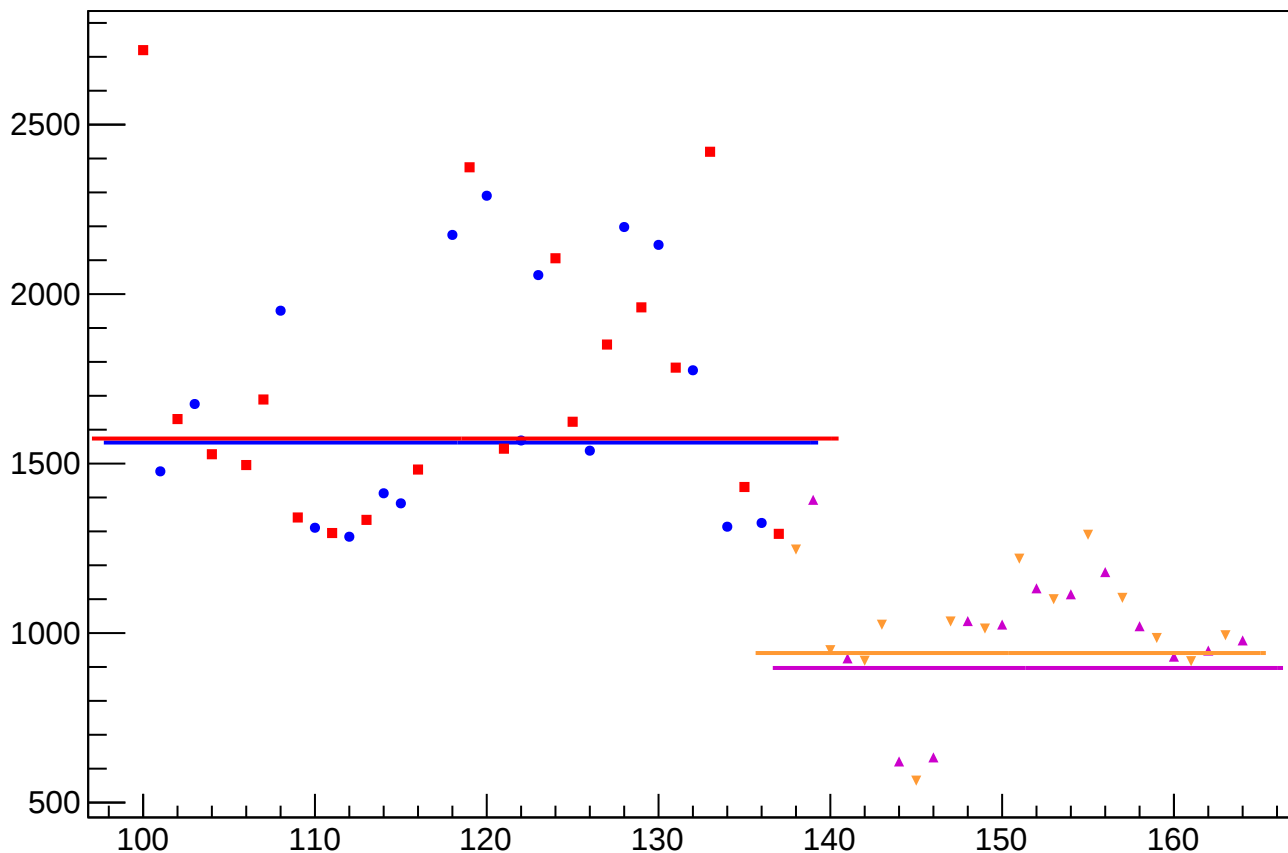
Right: -310.478+/-432.606 χ^2/NDF : 39.4/35

In: 81.314+/-261.495 χ^2/NDF : 34.5/29

Out: 1022.614+/-267.324 χ^2/NDF : 56.6/32

All: 541.590+/-186.932 χ^2/NDF : 97.4/62

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 941.159 $\pm$ 0.211 χ^2 /NDF: 1059607.0/13

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

Left In: 897.048 $\pm$ 0.204 χ^2 /NDF: 1095578.8/12

Left: 918.358 $\pm$ 0.147 χ^2 /NDF: 2177803.5/26

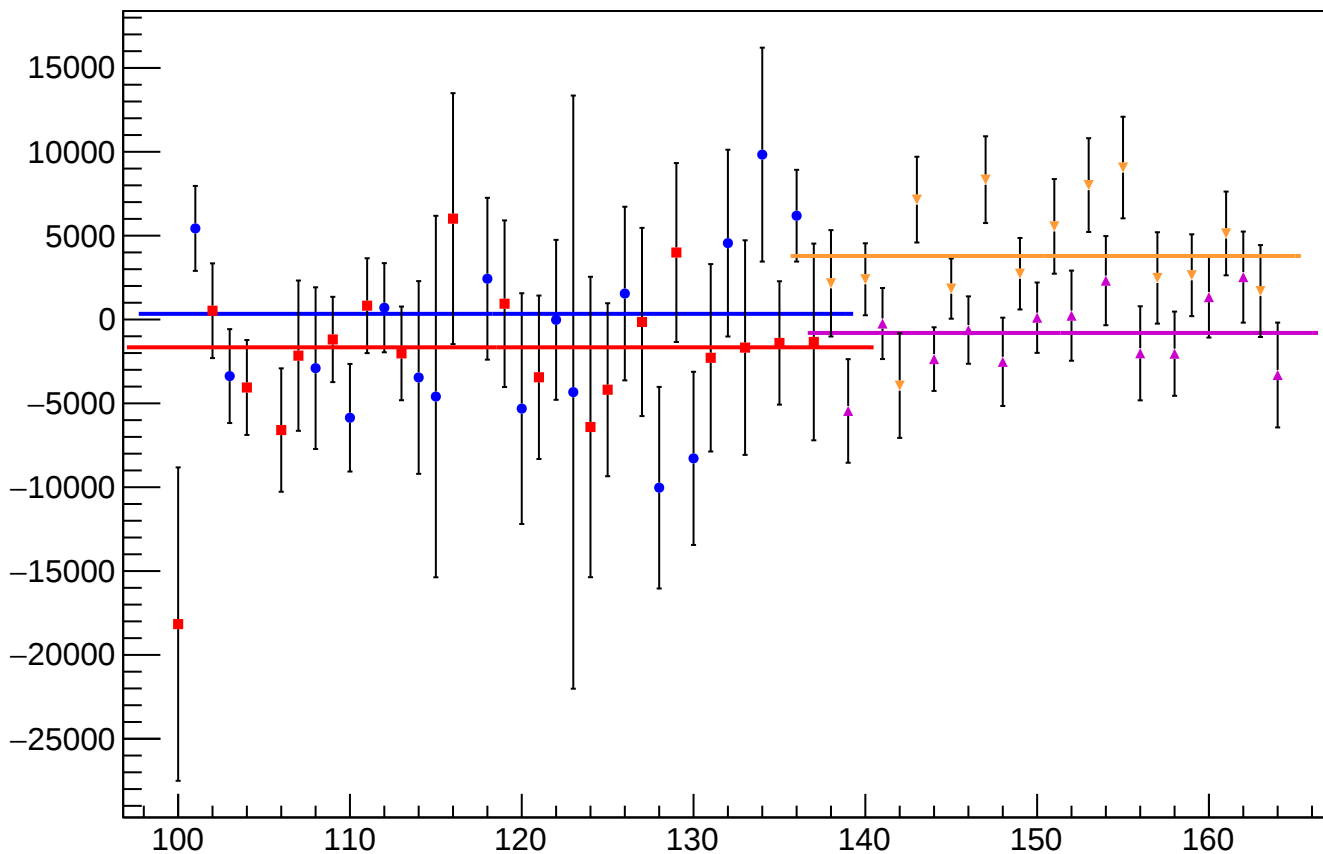
Right: 1568.176 $\pm$ 0.306 χ^2 /NDF: 946451.6/35

In: 1014.998 $\pm$ 0.185 χ^2 /NDF: 3465100.6/29

Out: 1065.493 $\pm$ 0.189 χ^2 /NDF: 3292727.6/32

All: 1039.689 $\pm$ 0.132 χ^2 /NDF: 6794293.8/62

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 3790.007 ± 672.550 χ^2/NDF : 20.1/13

Right Out: -1658.069 ± 924.453 χ^2/NDF : 10.3/18

Left In: -800.949 ± 674.242 χ^2/NDF : 8.5/12

Left: 1500.297 ± 476.162 χ^2/NDF : 51.9/26

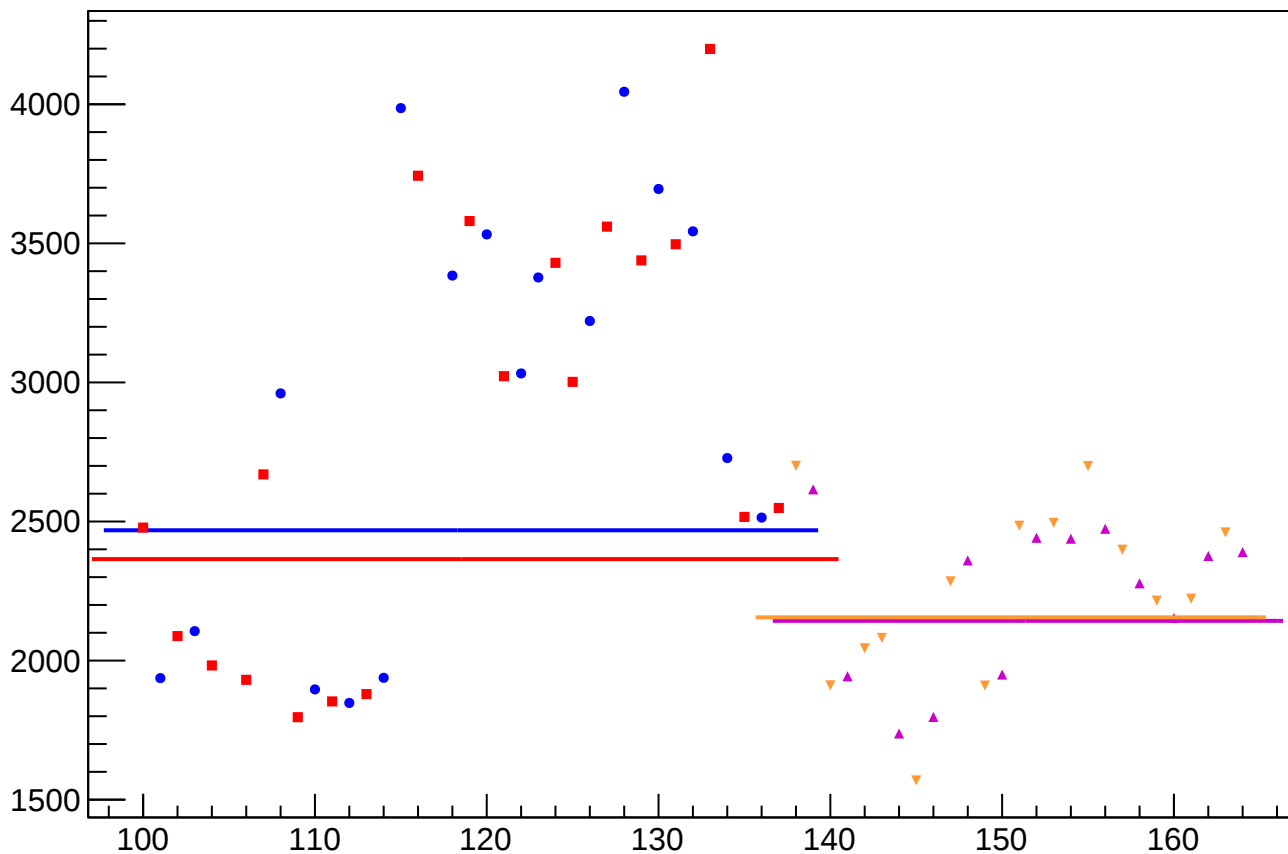
Right: -734.084 ± 677.520 χ^2/NDF : 37.2/35

In: -442.917 ± 558.311 χ^2/NDF : 34.2/29

Out: 1904.459 ± 543.854 χ^2/NDF : 53.1/32

All: 761.557 ± 389.574 χ^2/NDF : 96.3/62

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2155.563+/-0.476 χ^2/NDF : 498743.4/13

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

Left In: 2142.902+/-0.477 χ^2/NDF : 355626.7/12

Left: 2149.248+/-0.337 χ^2/NDF : 854723.6/26

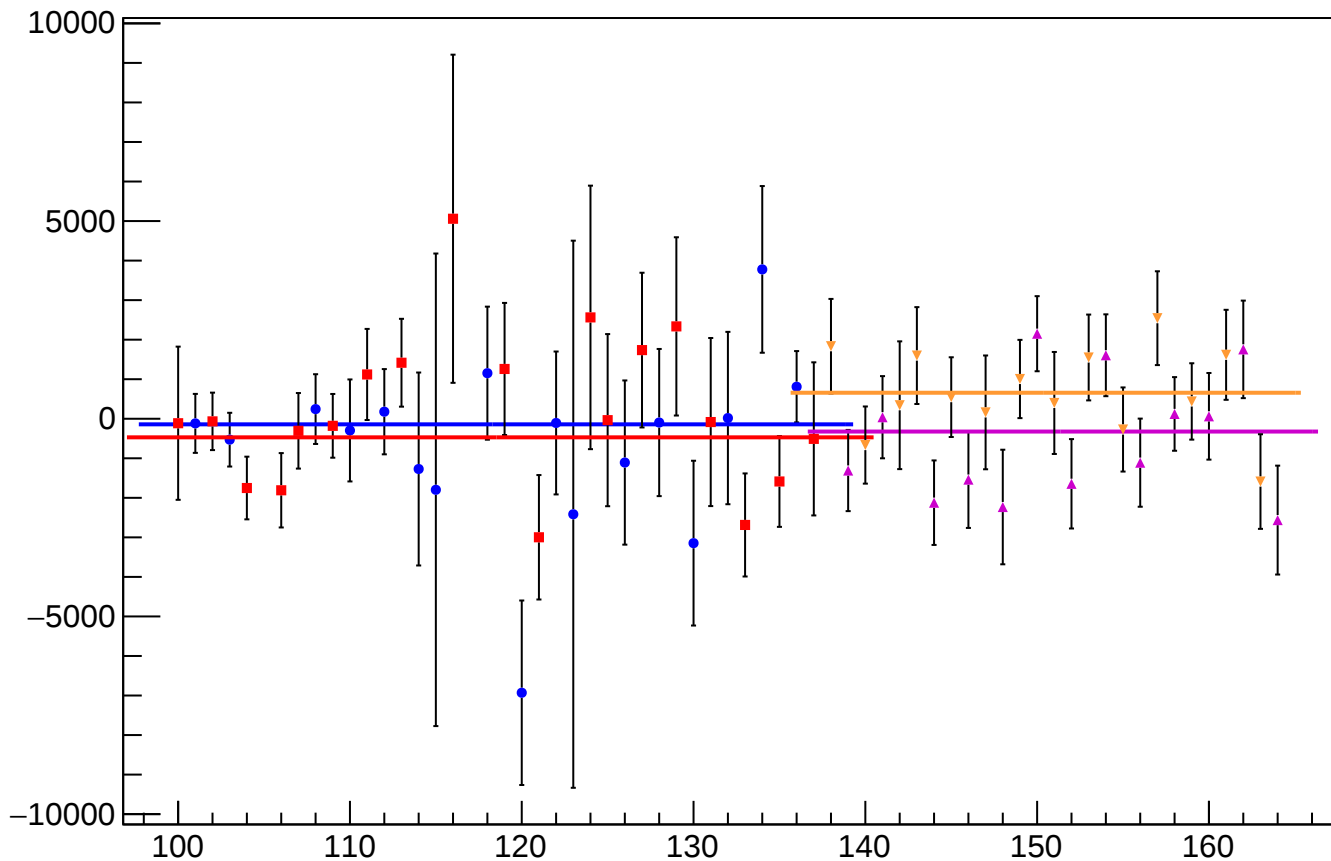
Right: 2412.813+/-0.479 χ^2/NDF : 1932953.4/35

In: 2245.240+/-0.395 χ^2/NDF : 1398370.5/29

Out: 2227.990+/-0.385 χ^2/NDF : 1590922.4/32

All: 2236.389+/-0.275 χ^2/NDF : 2990272.5/62

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 657.770+/-303.260 χ^2/NDF :12.0/13

Right Out: -470.143+/-282.892 χ^2/NDF : 22.9/18

Left In: -323.700+/-305.759 χ^2/NDF :24.6/12

Left: 171.063+/-215.315 χ^2/NDF : 41.7/26

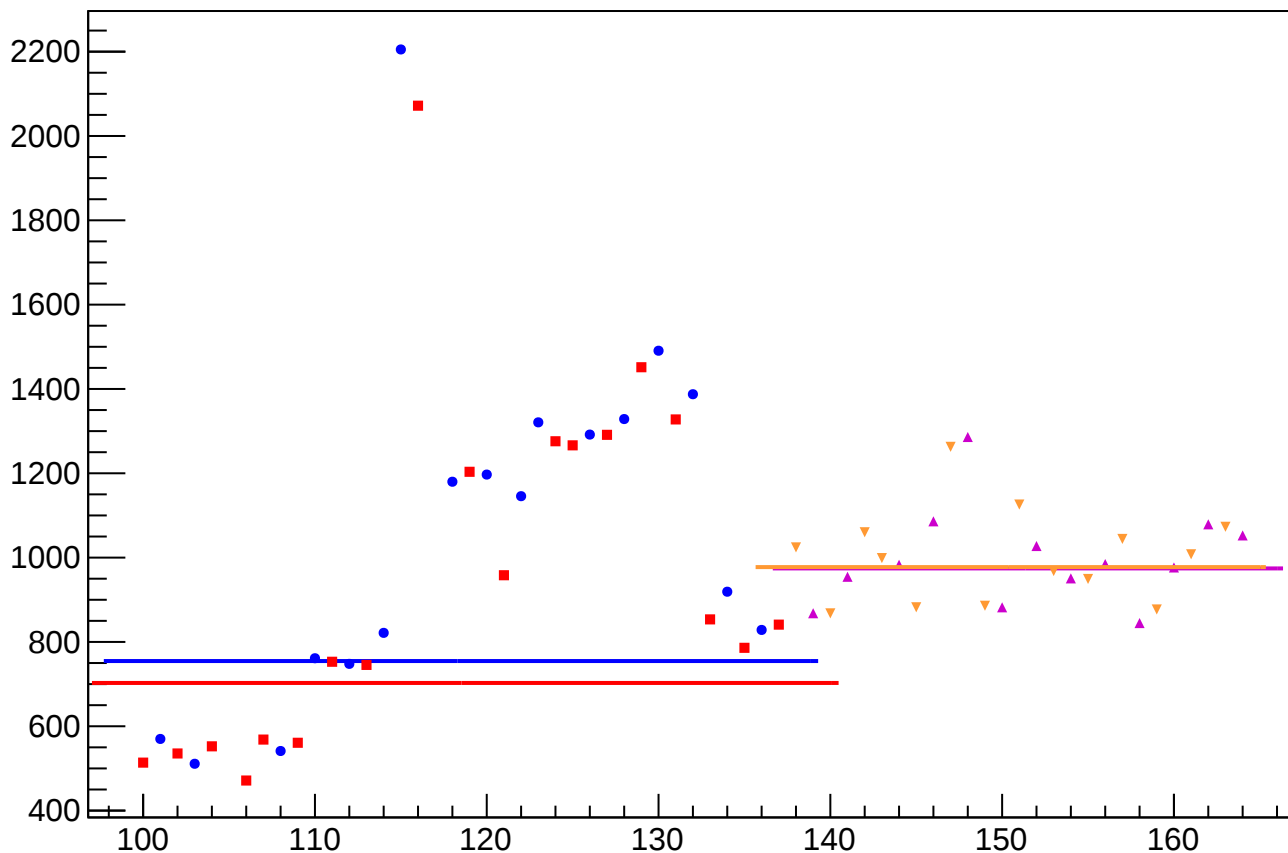
Right: -322.421+/-209.970 χ^2/NDF : 40.5/35

In: -234.684+/-218.828 χ^2/NDF :41.7/29

Out: 54.668+/-206.861 χ^2/NDF :42.3/32

All: -81.880+/-150.325 χ^2/NDF : 84.9/62

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 977.497 $\pm$ 0.214 χ^2 /NDF: 218002.9/13

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

Left In: 974.352 $\pm$ 0.216 χ^2 /NDF: 215630.2/12

Left: 975.937 $\pm$ 0.152 χ^2 /NDF: 433739.8/26

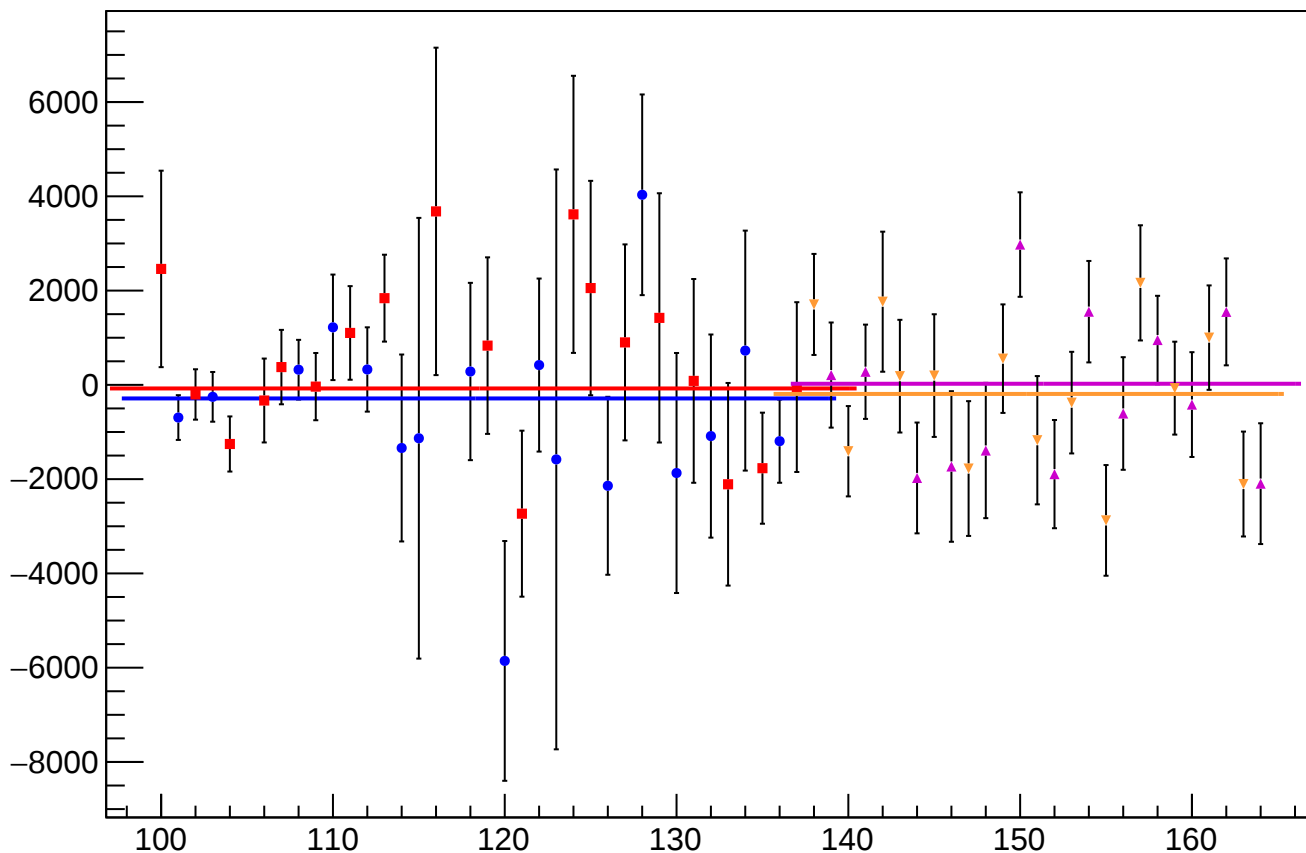
Right: 726.058 $\pm$ 0.148 χ^2 /NDF: 3412528.8/35

In: 867.200 $\pm$ 0.155 χ^2 /NDF: 2409795.6/29

Out: 830.573 $\pm$ 0.146 χ^2 /NDF: 2787560.1/32

All: 847.857 $\pm$ 0.106 χ^2 /NDF: 5226944.8/62

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 ± 250.436 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -192.407 ± 310.162 $\chi^2/\text{NDF}: 21.9/13$

Right Out: -76.119 ± 246.083 $\chi^2/\text{NDF}: 21.4/18$

Left In: 23.509 ± 318.234 $\chi^2/\text{NDF}: 23.0/12$

Left: -87.222 ± 222.116 $\chi^2/\text{NDF}: 45.2/26$

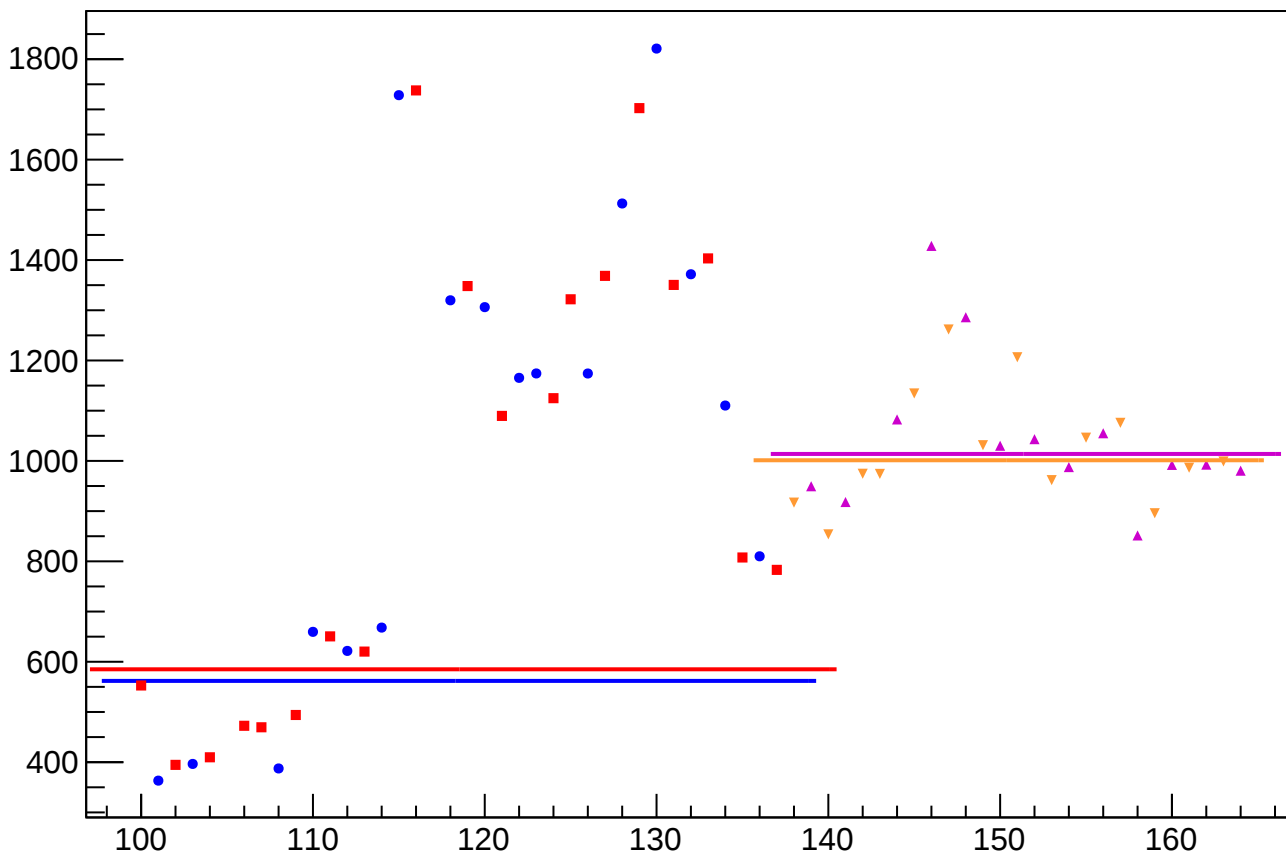
Right: -180.221 ± 175.526 $\chi^2/\text{NDF}: 37.9/35$

In: -168.887 ± 196.804 $\chi^2/\text{NDF}: 39.8/29$

Out: -121.042 ± 192.777 $\chi^2/\text{NDF}: 43.4/32$

All: -144.470 ± 137.716 $\chi^2/\text{NDF}: 83.2/62$

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1001.283 $\pm$ 0.219 χ^2 /NDF: 231949.3/13

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

Left In: 1013.861 $\pm$ 0.225 χ^2 /NDF: 306383.7/12

Left: 1007.410 $\pm$ 0.157 χ^2 /NDF: 539935.3/26

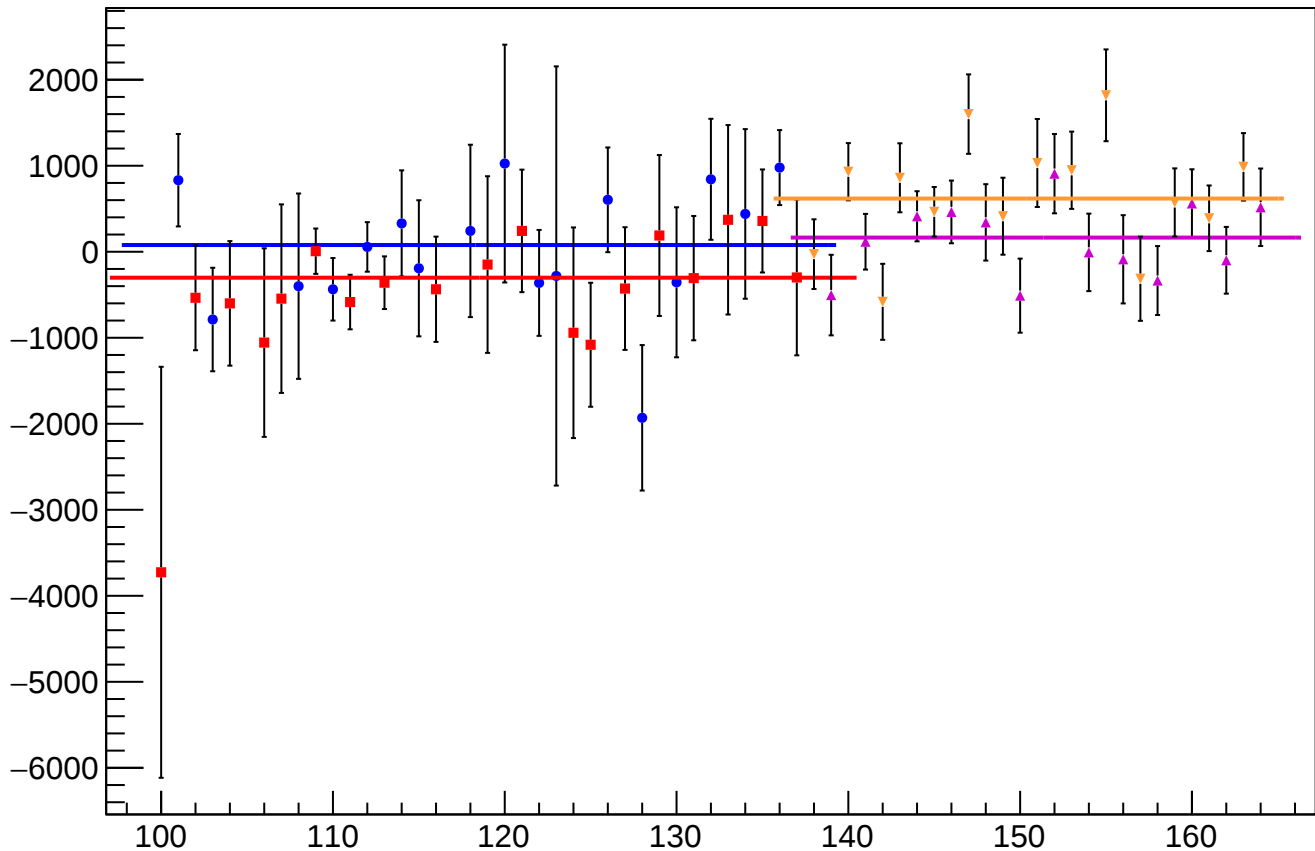
Right: 573.646 $\pm$ 0.124 χ^2 /NDF: 6049757.3/35

In: 734.748 $\pm$ 0.139 χ^2 /NDF: 6014323.8/29

Out: 745.810 $\pm$ 0.136 χ^2 /NDF: 5267427.5/32

All: 740.393 $\pm$ 0.097 χ^2 /NDF: 11284976.1/62

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 618.670+/-108.865 χ^2/NDF : 27.3/13

Right Out: -301.651+/-129.650 χ^2/NDF : 9.1/18

Left In: 164.564+/-110.810 χ^2/NDF : 12.7/12

Left: 395.637+/-77.658 χ^2/NDF : 48.5/26

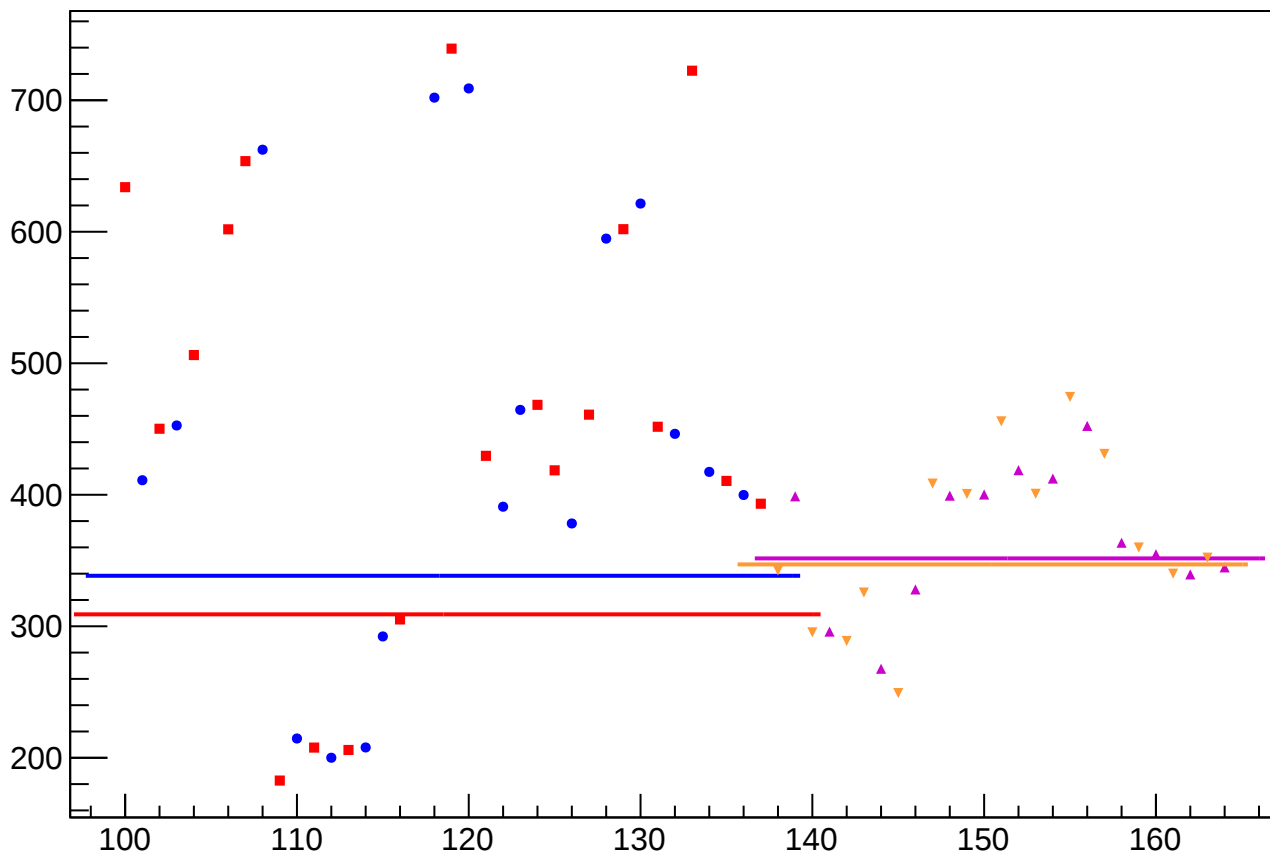
Right: -130.116+/-96.010 χ^2/NDF : 32.7/35

In: 132.119+/-87.560 χ^2/NDF : 32.7/29

Out: 238.104+/-83.371 χ^2/NDF : 66.0/32

All: 187.707+/-60.379 χ^2/NDF : 99.4/62

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2/NDF : 2009287.1/16

Left Out: 347.047 $\pm$ 0.077 χ^2/NDF : 678097.3/13

Right Out: 309.081 $\pm$ 0.092 χ^2/NDF : 2733465.5/18

Left In: 351.612 $\pm$ 0.078 χ^2/NDF : 462385.2/12

Left: 349.289 $\pm$ 0.055 χ^2/NDF : 1142209.5/26

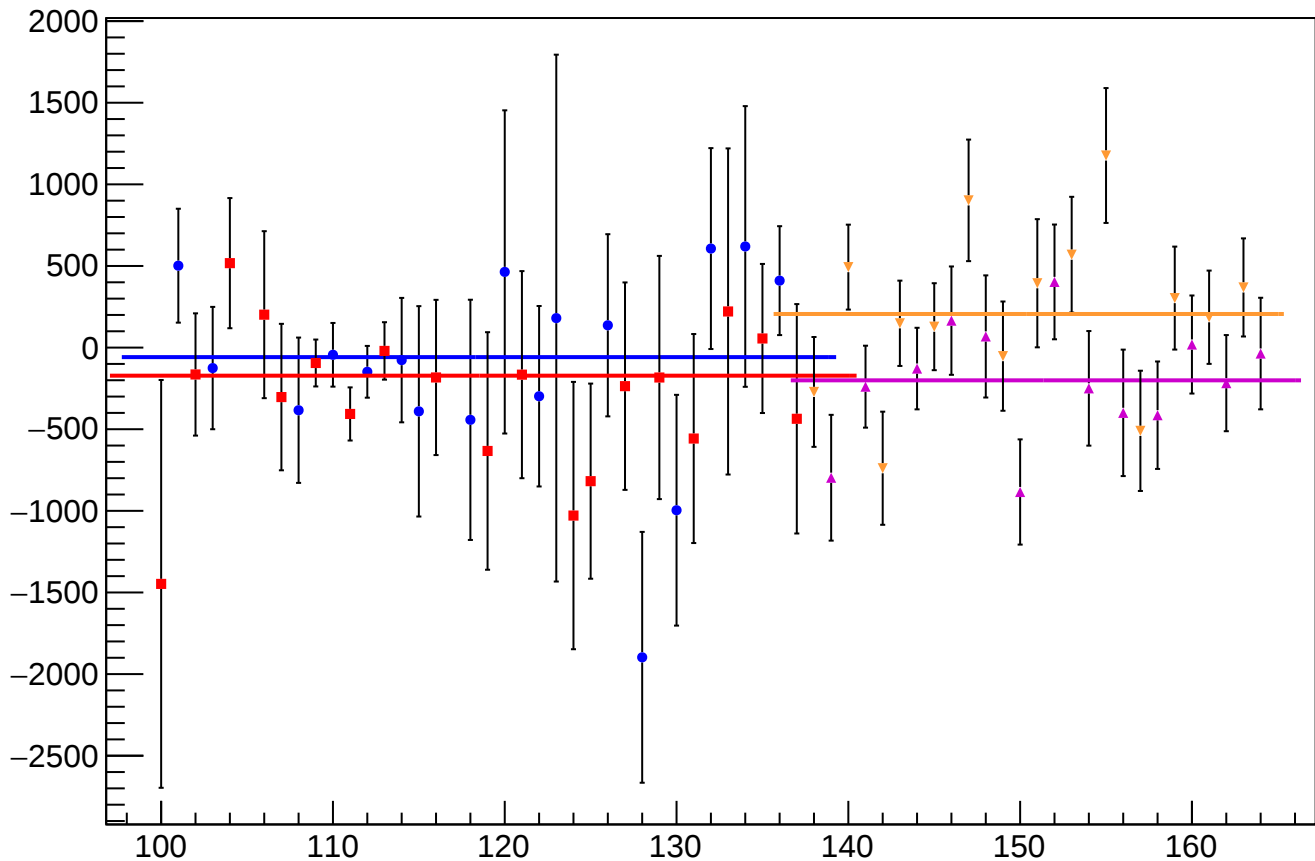
Right: 322.325 $\pm$ 0.068 χ^2/NDF : 4788966.2/35

In: 346.652 $\pm$ 0.062 χ^2/NDF : 2482338.5/29

Out: 331.347 $\pm$ 0.059 χ^2/NDF : 3512146.9/32

All: 338.625 $\pm$ 0.043 χ^2/NDF : 6026533.4/62

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 $\pm$ 90.484 χ^2 /NDF: 15.9/16

Left Out: 205.877 $\pm$ 85.161 χ^2 /NDF:25.9/13

Right Out: -171.954 $\pm$ 76.920 χ^2 /NDF: 11.3/18

Left In: -200.552 $\pm$ 88.465 χ^2 /NDF:13.2/12

Left: 10.393 $\pm$ 61.353 χ^2 /NDF: 50.0/26

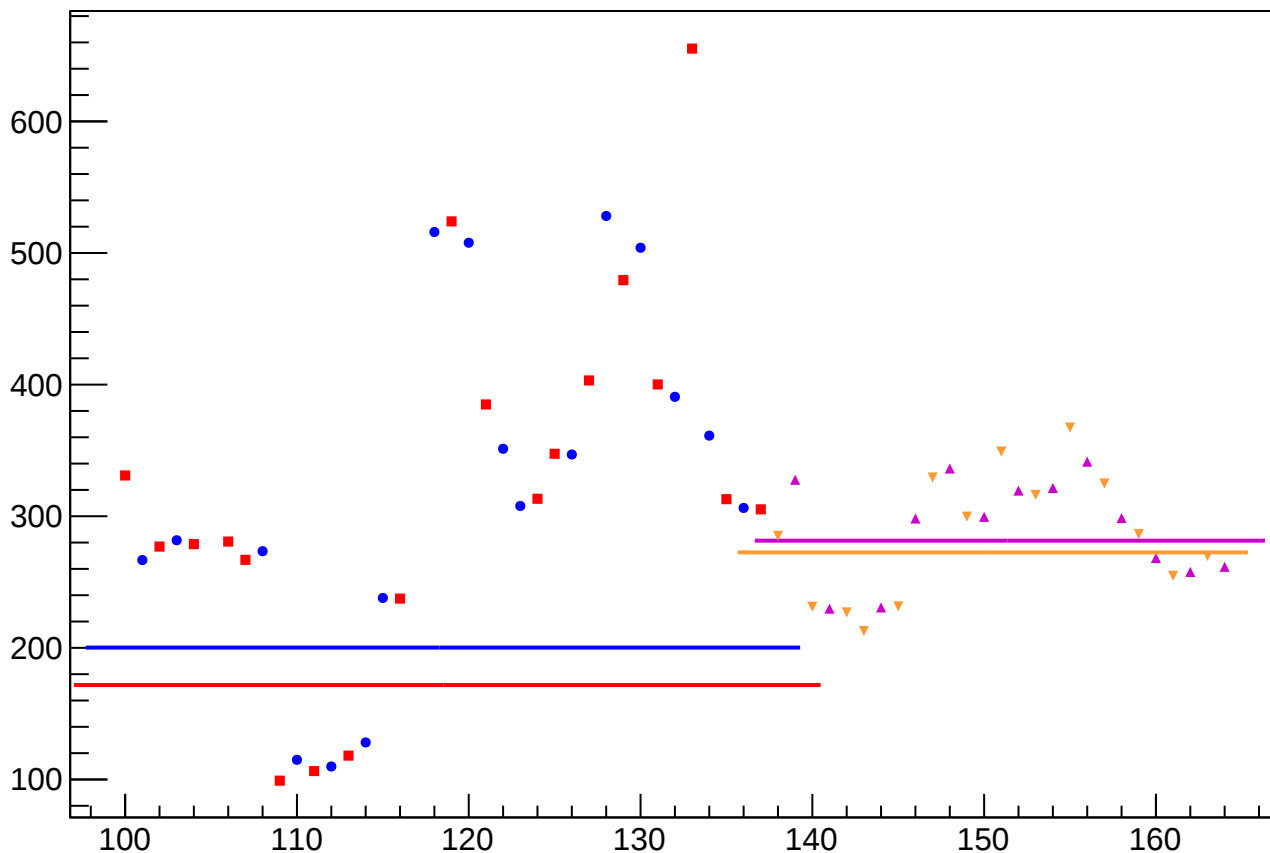
Right: -124.276 $\pm$ 58.606 χ^2 /NDF: 28.1/35

In: -131.030 $\pm$ 63.256 χ^2 /NDF:30.3/29

Out: -2.201 $\pm$ 57.082 χ^2 /NDF:48.1/32

All: -60.024 $\pm$ 42.378 χ^2 /NDF: 80.6/62

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2 /NDF: 3387197.7/16

Left Out: 272.522 $\pm$ 0.060 χ^2 /NDF:563814.9/13

Right Out: 171.757 $\pm$ 0.054 χ^2 /NDF: 4093922.6/18

Left In: 281.449 $\pm$ 0.063 χ^2 /NDF:376960.0/12

Left: 276.816 $\pm$ 0.043 χ^2 /NDF: 951345.6/26

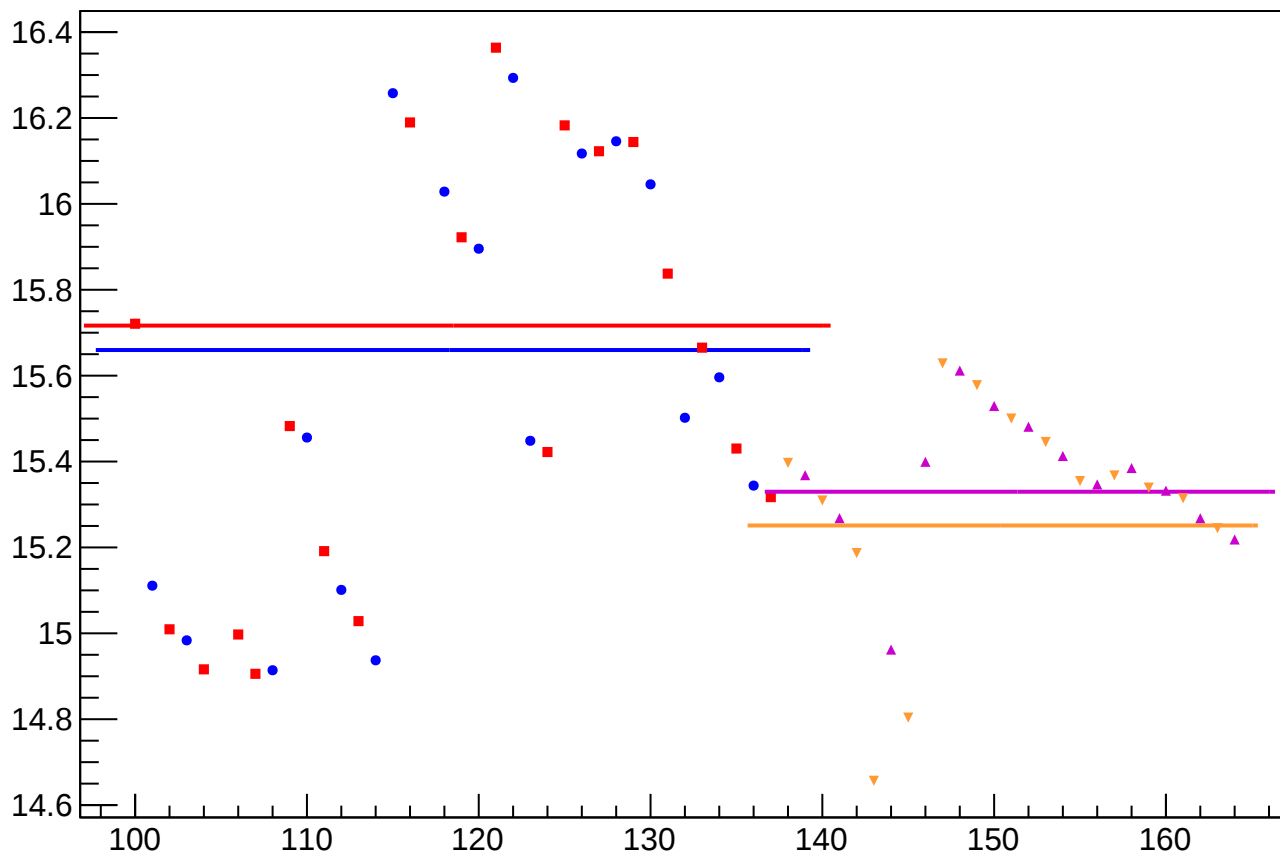
Right: 183.693 $\pm$ 0.041 χ^2 /NDF: 7595909.3/35

In: 241.745 $\pm$ 0.045 χ^2 /NDF:4588462.2/29

Out: 217.029 $\pm$ 0.040 χ^2 /NDF:6199753.8/32

All: 228.122 $\pm$ 0.030 χ^2 /NDF: 10956516.9/62

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.251 $\pm$ 0.000 χ^2 /NDF: 6306085235.4/13

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

Left In: 15.330 $\pm$ 0.000 χ^2 /NDF: 1979756030.9/12

Left: 15.289 $\pm$ 0.000 χ^2 /NDF: 8542449060.5/26

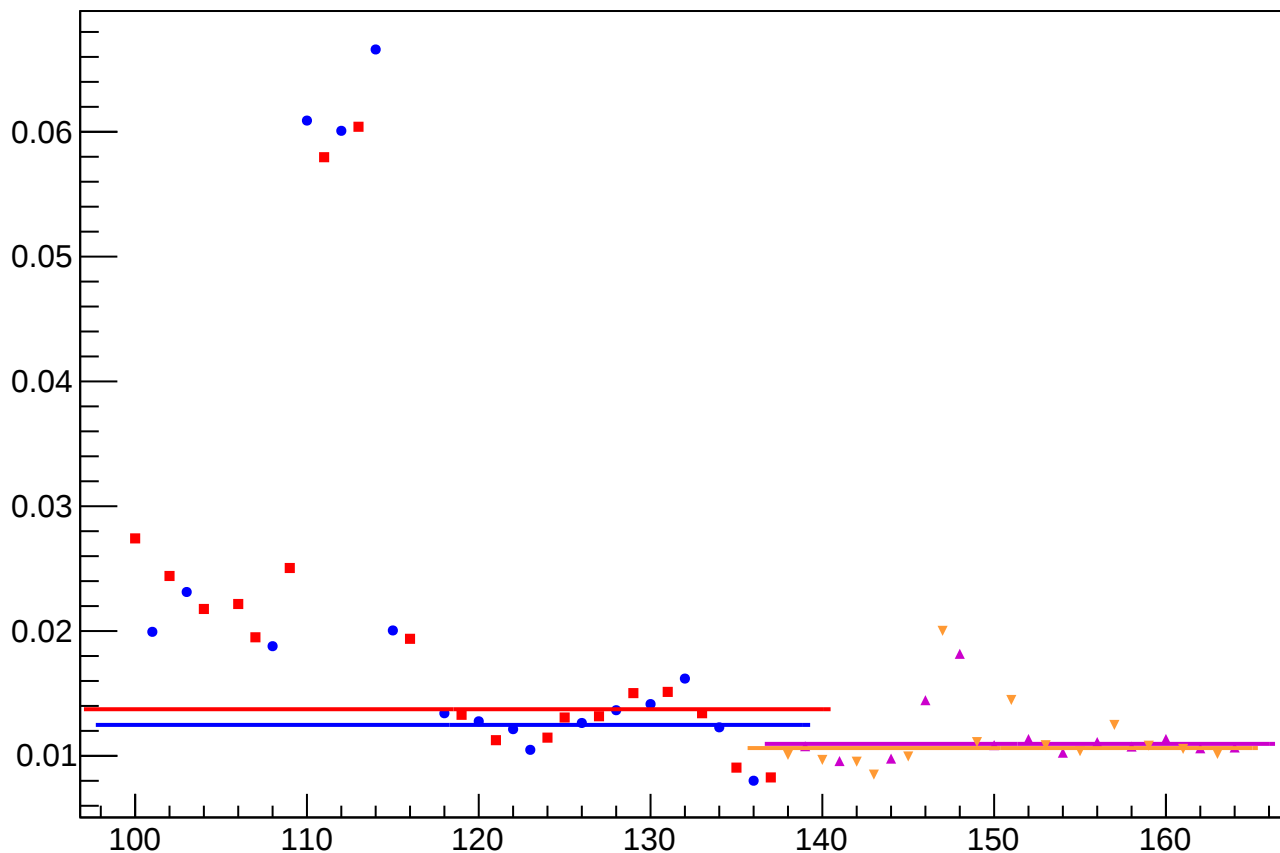
Right: 15.686 $\pm$ 0.000 χ^2 /NDF: 11294352327.9/35

In: 15.426 $\pm$ 0.000 χ^2 /NDF: 10315362198.4/29

Out: 15.368 $\pm$ 0.000 χ^2 /NDF: 16451565412.1/32

All: 15.397 $\pm$ 0.000 χ^2 /NDF: 26959379498.2

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 :586817.2/13

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 2077569.4/18

Left In: 0.011 $\pm$ 0.000 χ^2/NDF :397893.1/12

Left: 0.011 $\pm$ 0.000 χ^2/NDF : 994134.2/26

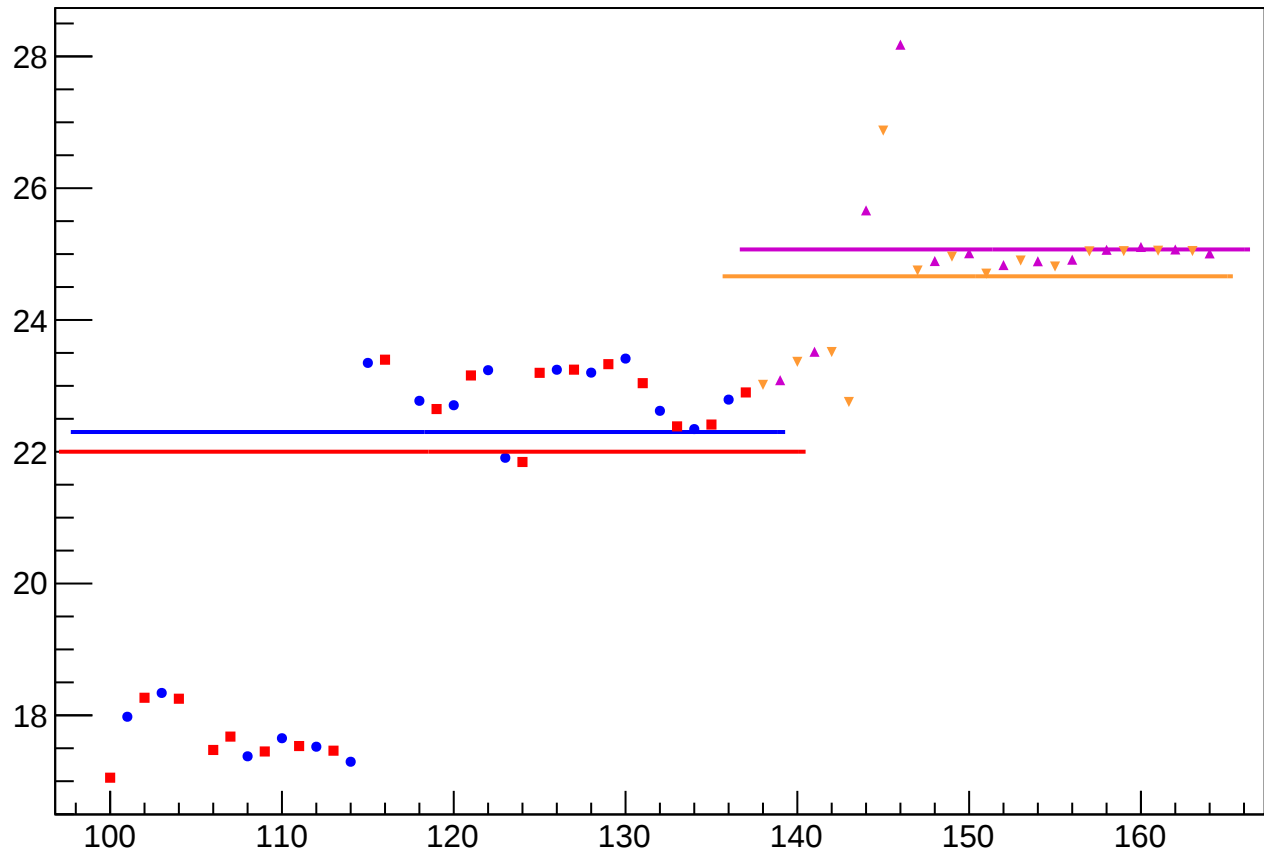
Right: 0.013 $\pm$ 0.000 χ^2/NDF : 4279107.1/35

In: 0.011 $\pm$ 0.000 χ^2/NDF :2659016.6/29

Out: 0.011 $\pm$ 0.000 χ^2/NDF :3083041.7/32

All: 0.011 $\pm$ 0.000 χ^2/NDF : 5742058.5/62

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.663+/-0.000 χ^2/NDF : 864331852.8/13

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

Left In: 25.070+/-0.000 χ^2/NDF : 698255965.5/12

Left: 24.860+/-0.000 χ^2/NDF : 1616338587.9/26

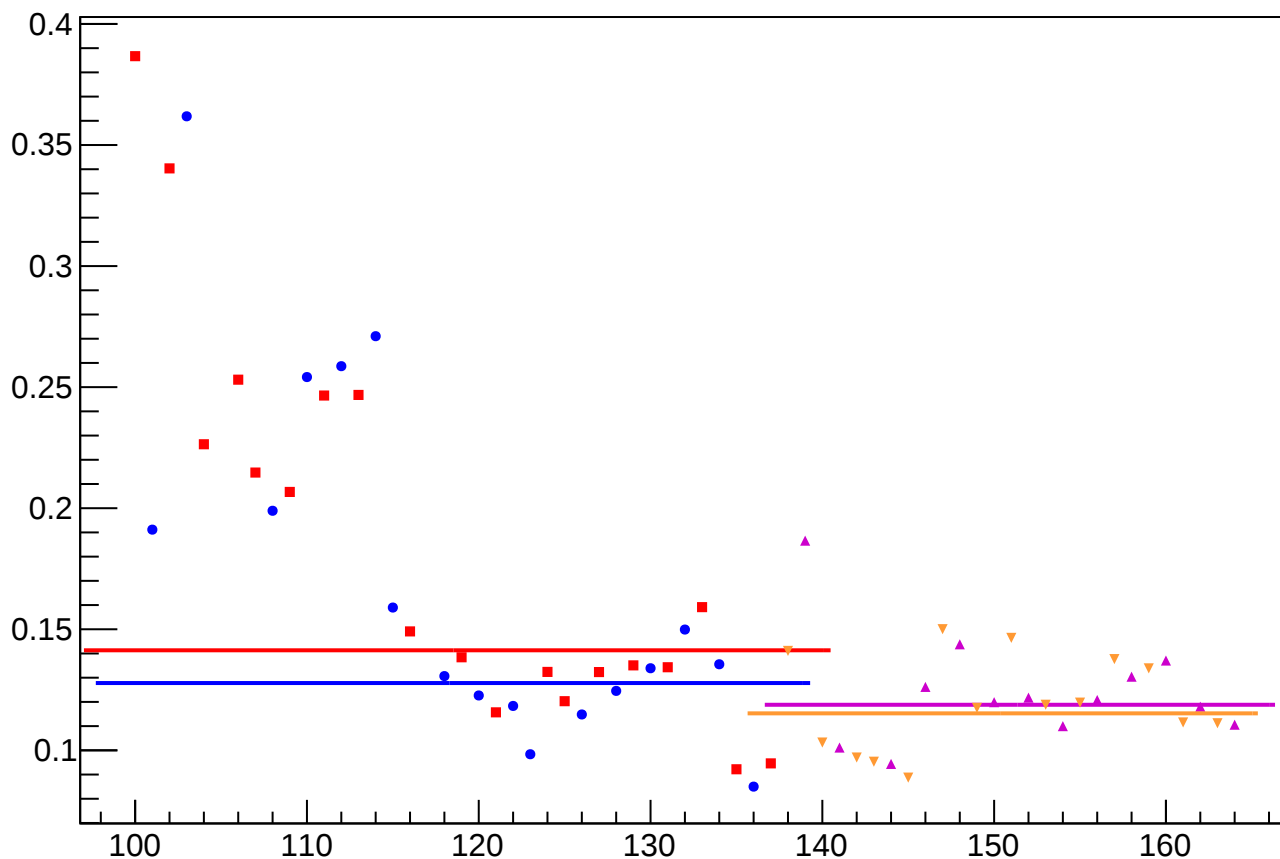
Right: 22.159+/-0.000 χ^2/NDF : 2017477949.3/35

In: 24.154+/-0.000 χ^2/NDF : 3227608979.7/29

Out: 23.885+/-0.000 χ^2/NDF : 3313799709.1/32

All: 24.019+/-0.000 χ^2/NDF : 6575281598.8/66

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.115+/-0.000 χ^2/NDF : 453719.1/13

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

Left In: 0.119+/-0.000 χ^2/NDF : 429971.4/12

Left: 0.117+/-0.000 χ^2/NDF : 891812.2/26

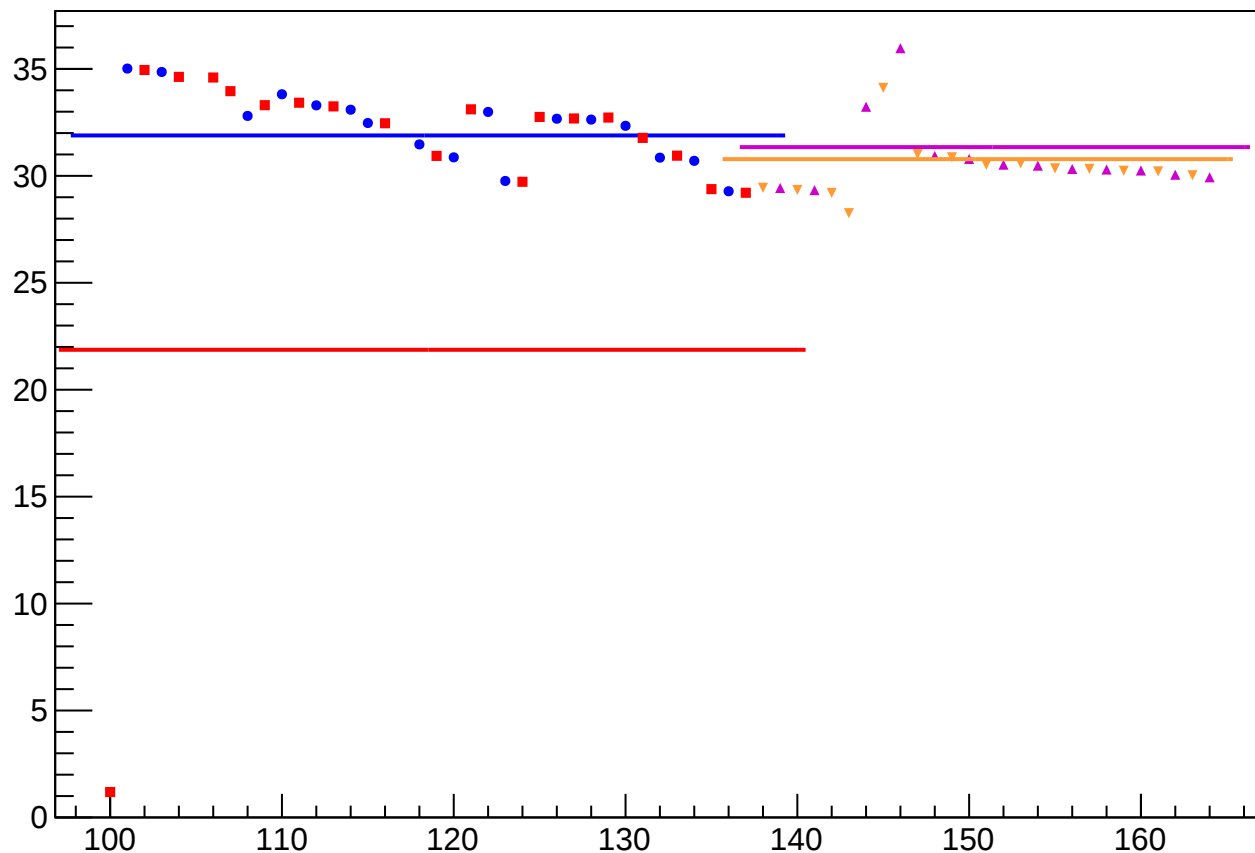
Right: 0.134+/-0.000 χ^2/NDF : 2994732.7/35

In: 0.122+/-0.000 χ^2/NDF : 1955484.0/29

Out: 0.123+/-0.000 χ^2/NDF : 2167822.8/32

All: 0.122+/-0.000 χ^2/NDF : 4124428.1/62

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 30.782+/-0.000 χ^2/NDF : 4563008333.4/13

Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

Left In: 31.344+/-0.000 χ^2/NDF : 6727089386.7/12

Left: 31.065+/-0.000 χ^2/NDF : 11560264464.8/26

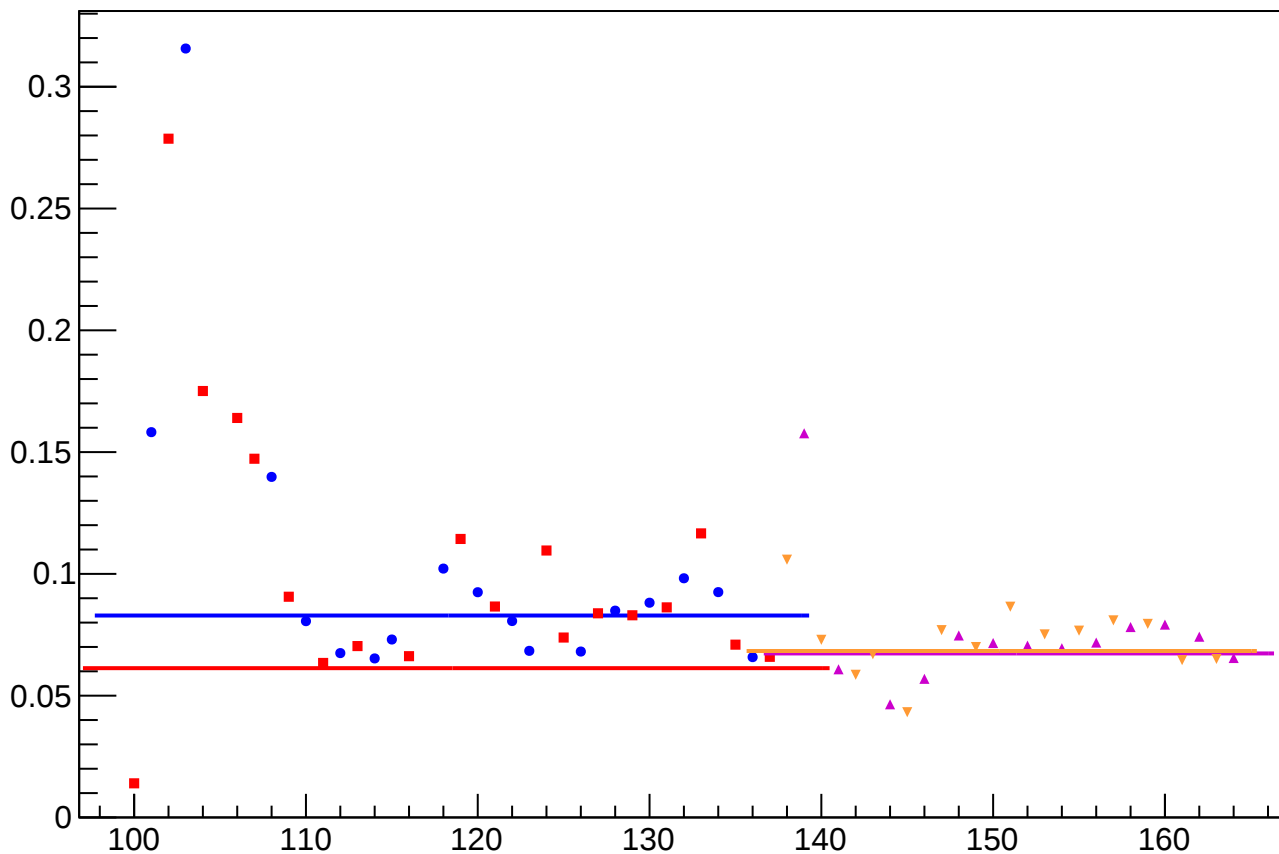
Right: 25.887+/-0.000 χ^2/NDF : 274879927198.7/35

In: 31.504+/-0.000 χ^2/NDF : 8807450216.9/29

Out: 27.353+/-0.000 χ^2/NDF : 286684781345.5/32

All: 29.296+/-0.000 χ^2/NDF : 317813477120.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.068+/-0.000 χ^2/NDF : 692950.8/13

Right Out: 0.061+/-0.000 χ^2/NDF : 3603853.3/18

Left In: 0.067+/-0.000 χ^2/NDF : 849034.3/12

Left: 0.068+/-0.000 χ^2/NDF : 1543702.1/26

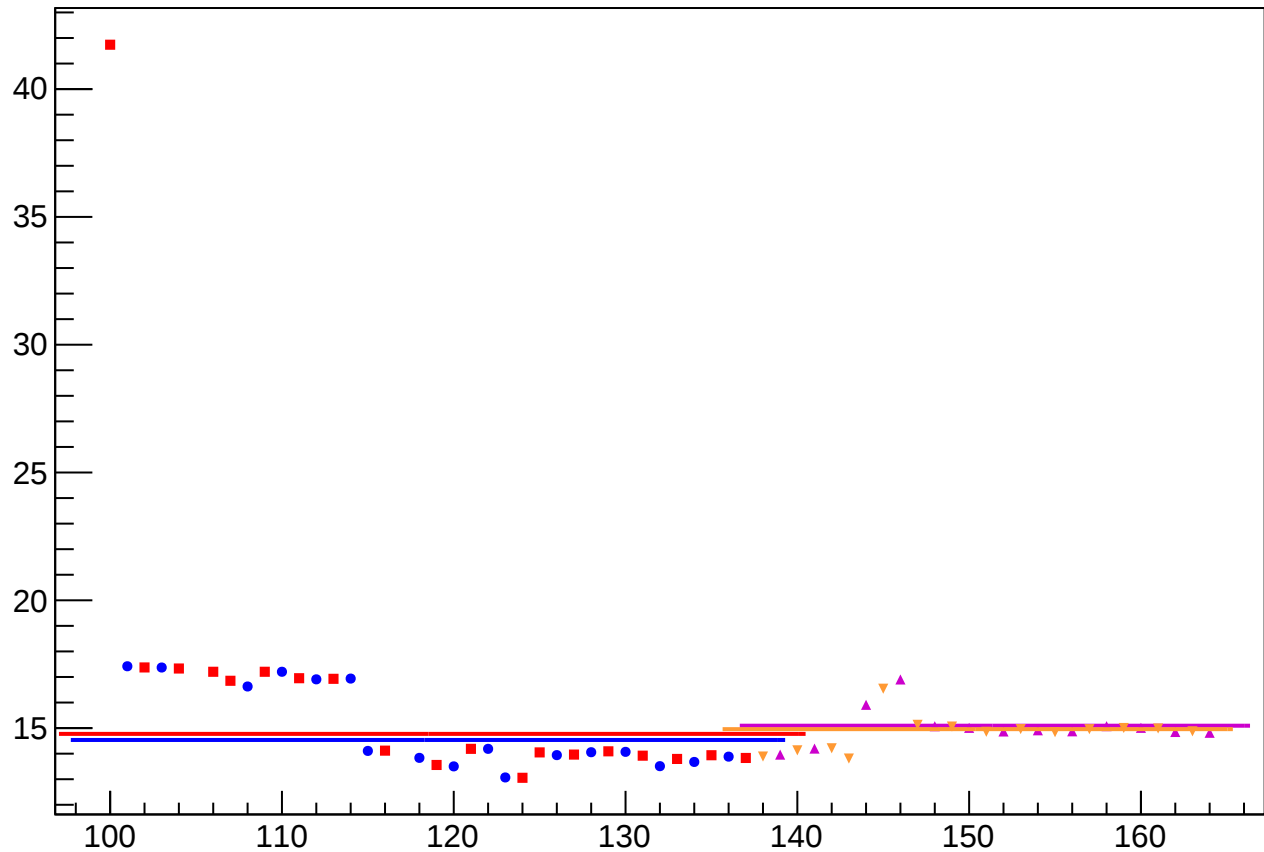
Right: 0.070+/-0.000 χ^2/NDF : 5167150.6/35

In: 0.072+/-0.000 χ^2/NDF : 2257848.9/29

Out: 0.066+/-0.000 χ^2/NDF : 4361878.4/32

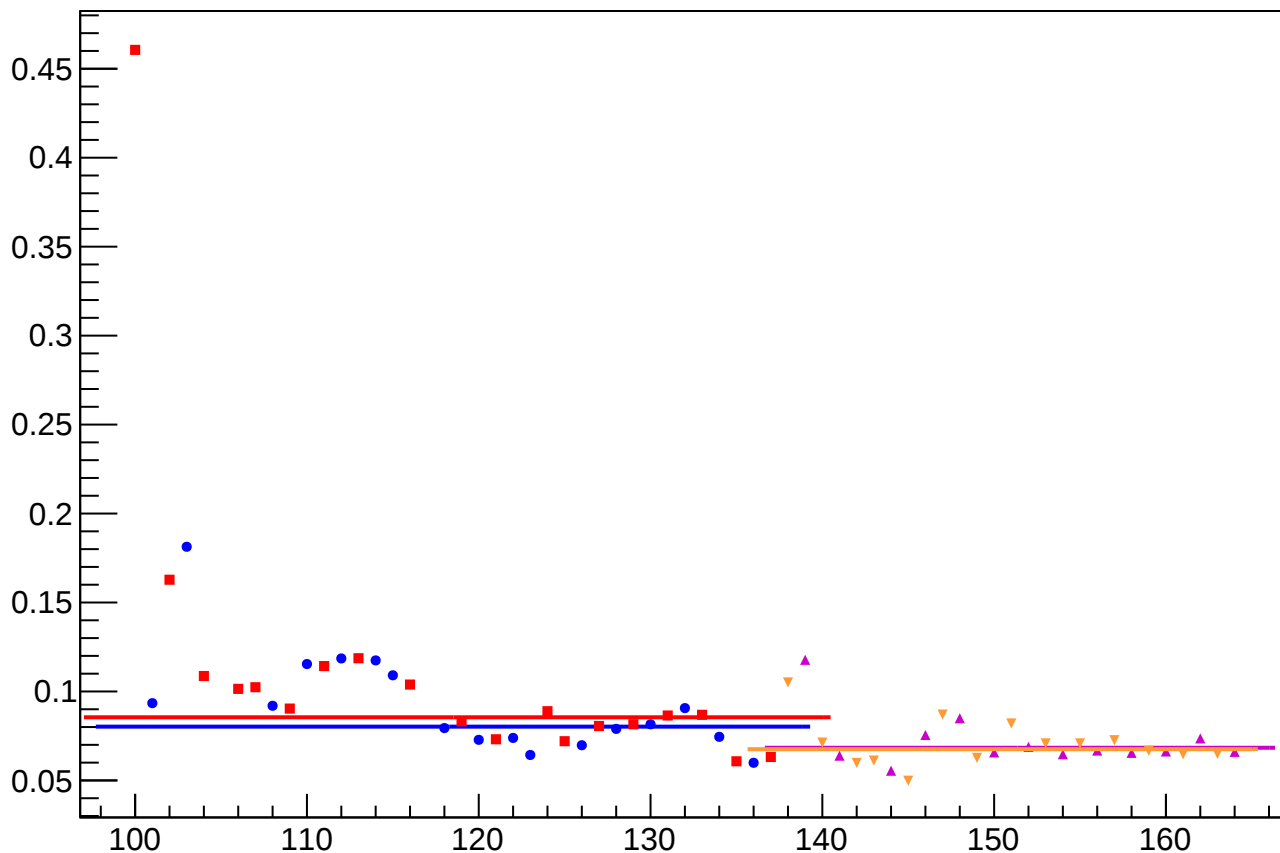
All: 0.069+/-0.000 χ^2/NDF : 6721411.8/62

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16
 Left Out: 14.959+/-0.000 χ^2/NDF : 948666444.9/13
 Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18
 Left In: 15.094+/-0.000 χ^2/NDF : 756457738.8/12
 Left: 15.025+/-0.000 χ^2/NDF : 1722276547.5/26
 Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35
 In: 14.918+/-0.000 χ^2/NDF : 2409763265.9/29
 Out: 14.904+/-0.000 χ^2/NDF : 2854828957.5/32
 All: 14.911+/-0.000 χ^2/NDF : 5264836962.6/6

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.068+/-0.000 χ^2/NDF : 474518.7/13

Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

Left In: 0.068+/-0.000 χ^2/NDF : 411978.7/12

Left: 0.068+/-0.000 χ^2/NDF : 887753.6/26

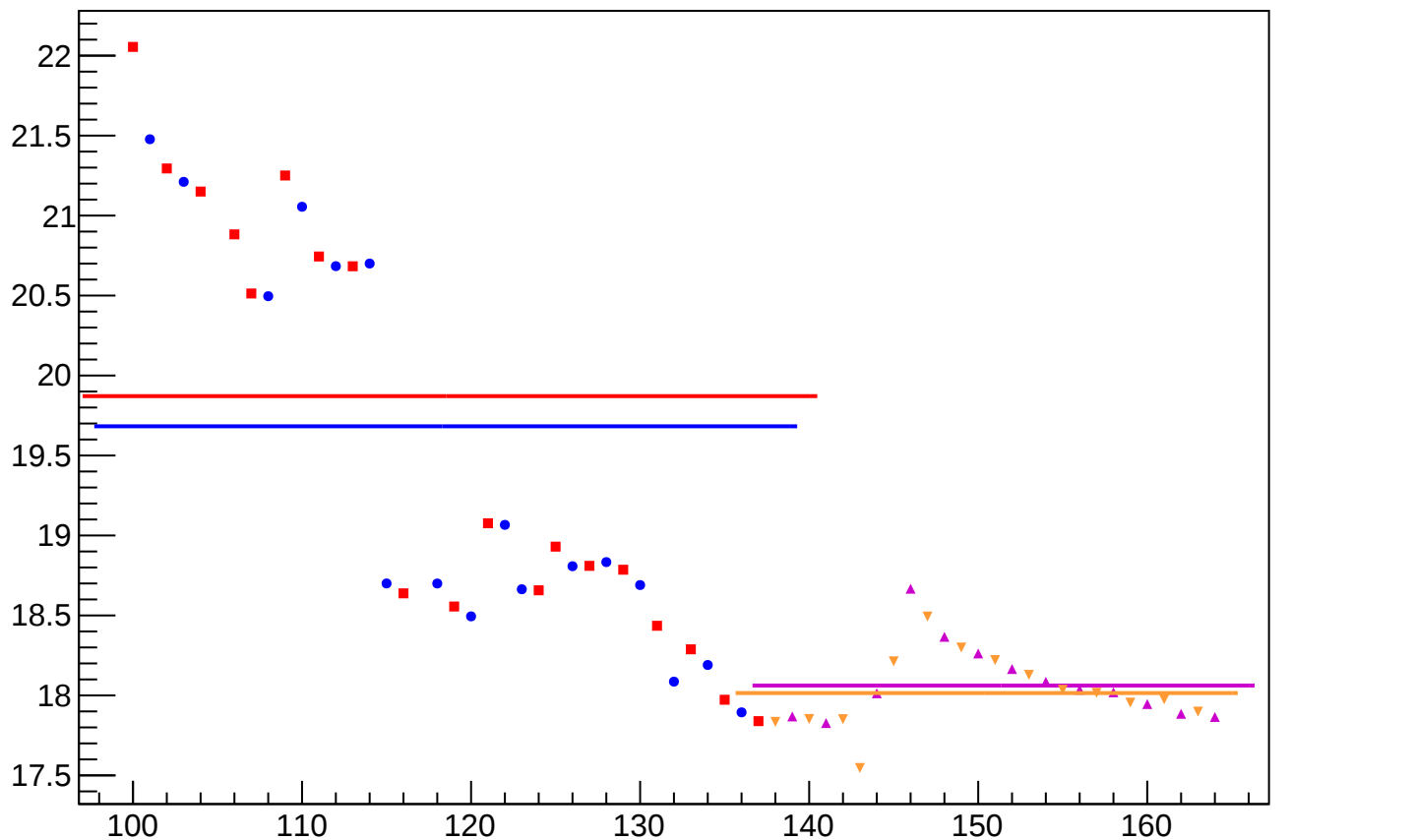
Right: 0.083+/-0.000 χ^2/NDF : 1539722.7/35

In: 0.072+/-0.000 χ^2/NDF : 1356006.2/29

Out: 0.073+/-0.000 χ^2/NDF : 1577069.7/32

All: 0.072+/-0.000 χ^2/NDF : 2934578.7/62

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.015+/-0.000 χ^2/NDF : 416888476.2/13

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

Left In: 18.062+/-0.000 χ^2/NDF : 373668337.5/12

Left: 18.038+/-0.000 χ^2/NDF : 801204026.7/26

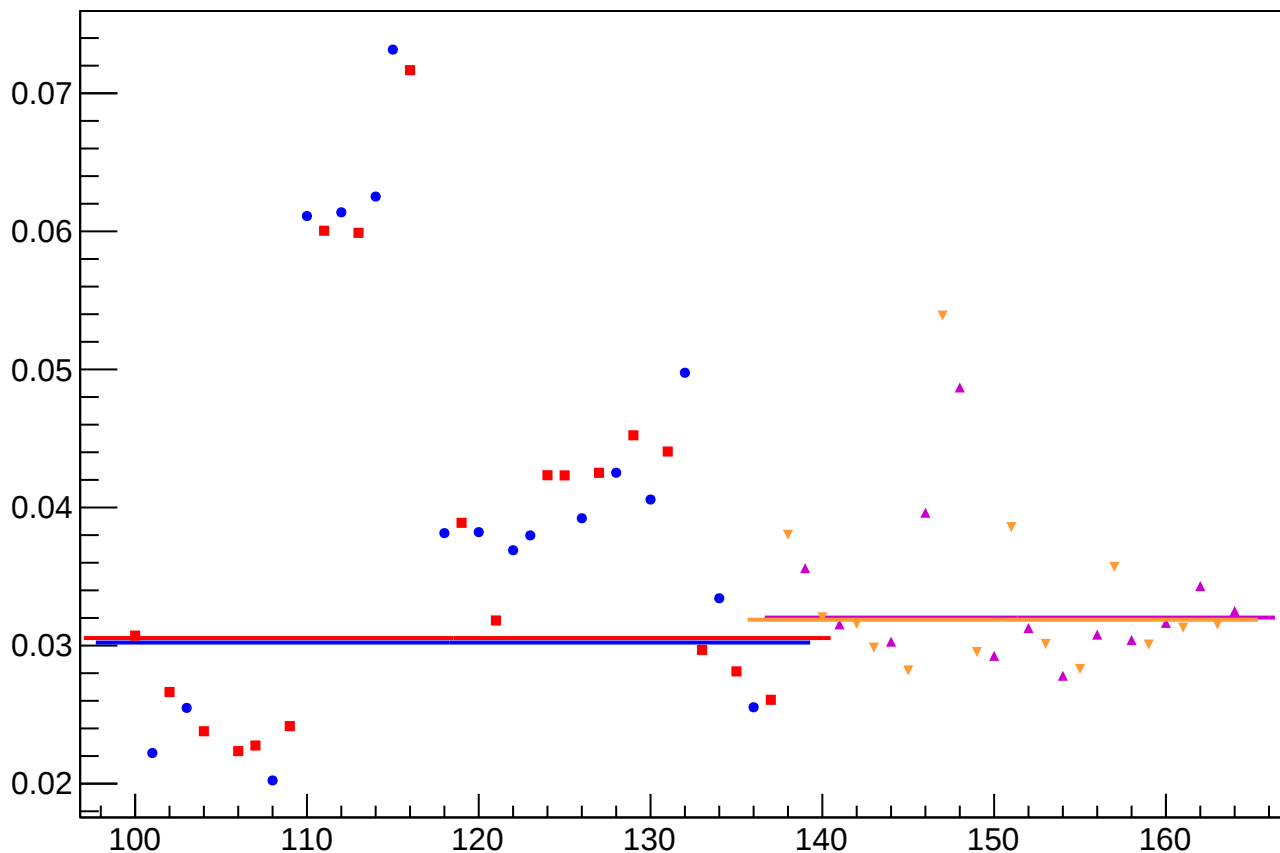
Right: 19.778+/-0.000 χ^2/NDF : 23711776447.8/35

In: 18.695+/-0.000 χ^2/NDF : 22440733837.2/29

Out: 18.745+/-0.000 χ^2/NDF : 24957599632.5/32

All: 18.720+/-0.000 χ^2/NDF : 47418744507.1

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 :424658.1/13

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

Left In: 0.032+/-0.000 χ^2/NDF :321969.6/12

Left: 0.032+/-0.000 χ^2/NDF : 746859.0/26

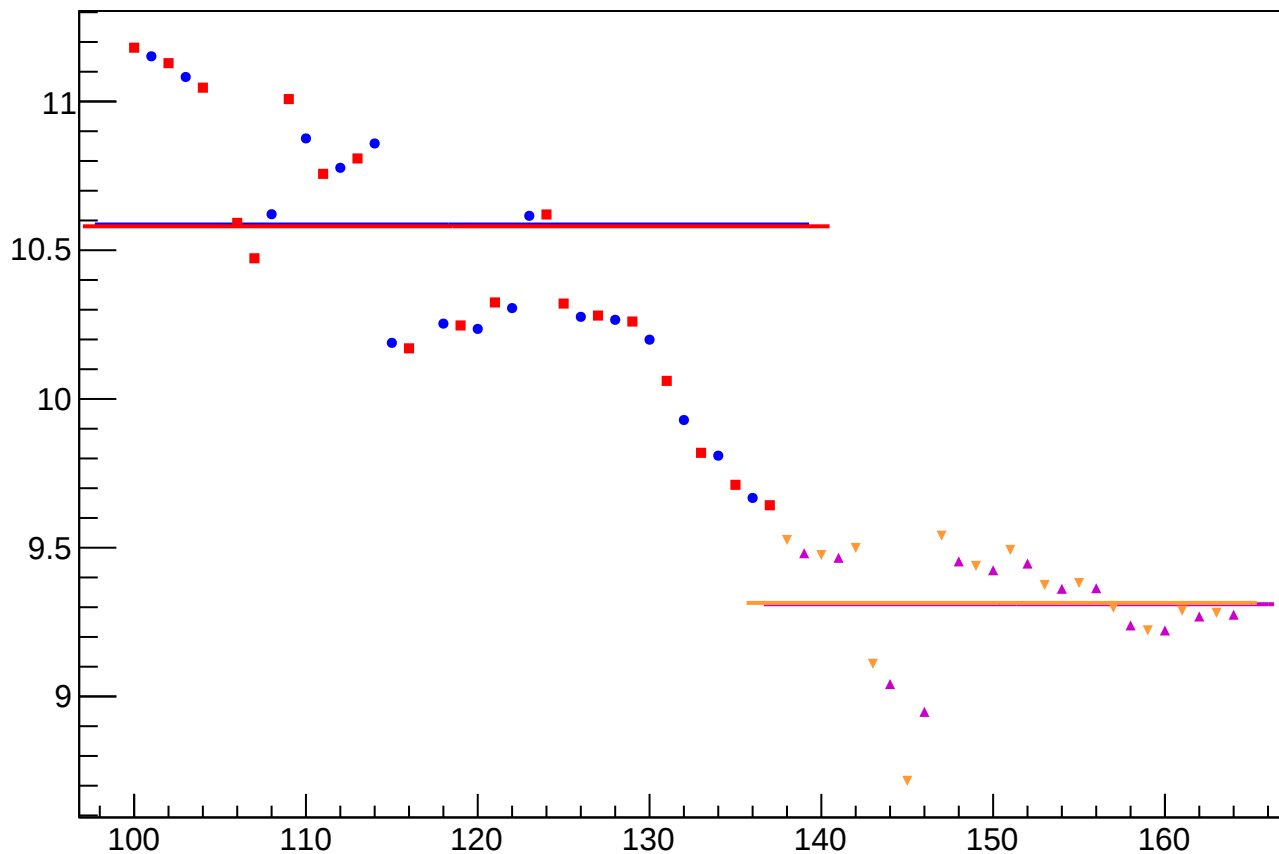
Right: 0.030+/-0.000 χ^2/NDF : 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF :1670866.1/29

Out: 0.031+/-0.000 χ^2/NDF :1627928.1/32

All: 0.031+/-0.000 χ^2/NDF : 3298806.9/62

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.314+/-0.000 χ^2/NDF : 1064447963.2/13

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

Left In: 9.310+/-0.000 χ^2/NDF : 522913264.9/12

Left: 9.312+/-0.000 χ^2/NDF : 1587590631.3/26

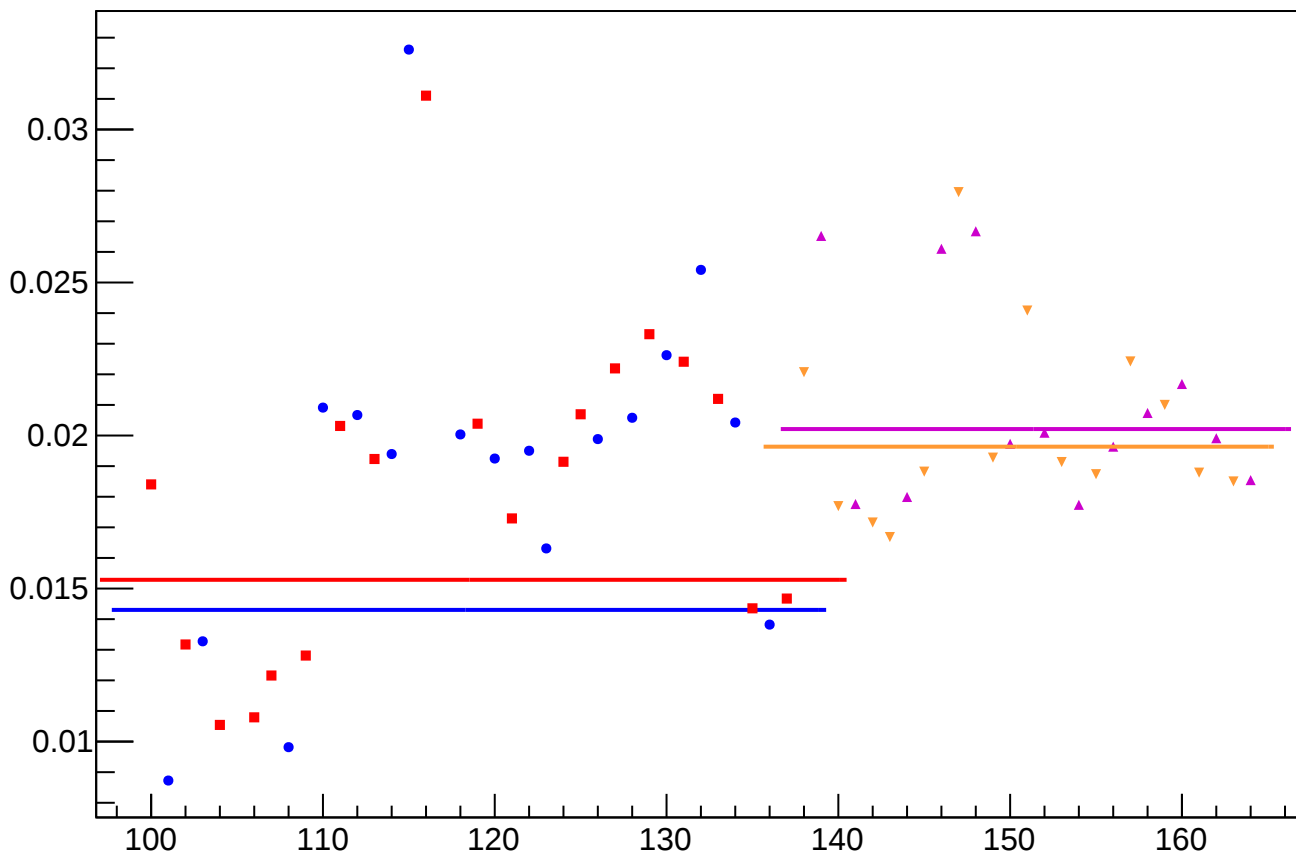
Right: 10.583+/-0.000 χ^2/NDF : 13184410027.5/35

In: 9.989+/-0.000 χ^2/NDF : 27802104719.1/29

Out: 9.956+/-0.000 χ^2/NDF : 26817580567.9/32

All: 9.972+/-0.000 χ^2/NDF : 54646998612.5/60

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020+/-0.000 χ^2/NDF : 313873.4/13

Right Out: 0.015+/-0.000 χ^2/NDF : 989017.0/18

Left In: 0.020+/-0.000 χ^2/NDF : 346032.9/12

Left: 0.020+/-0.000 χ^2/NDF : 667779.2/26

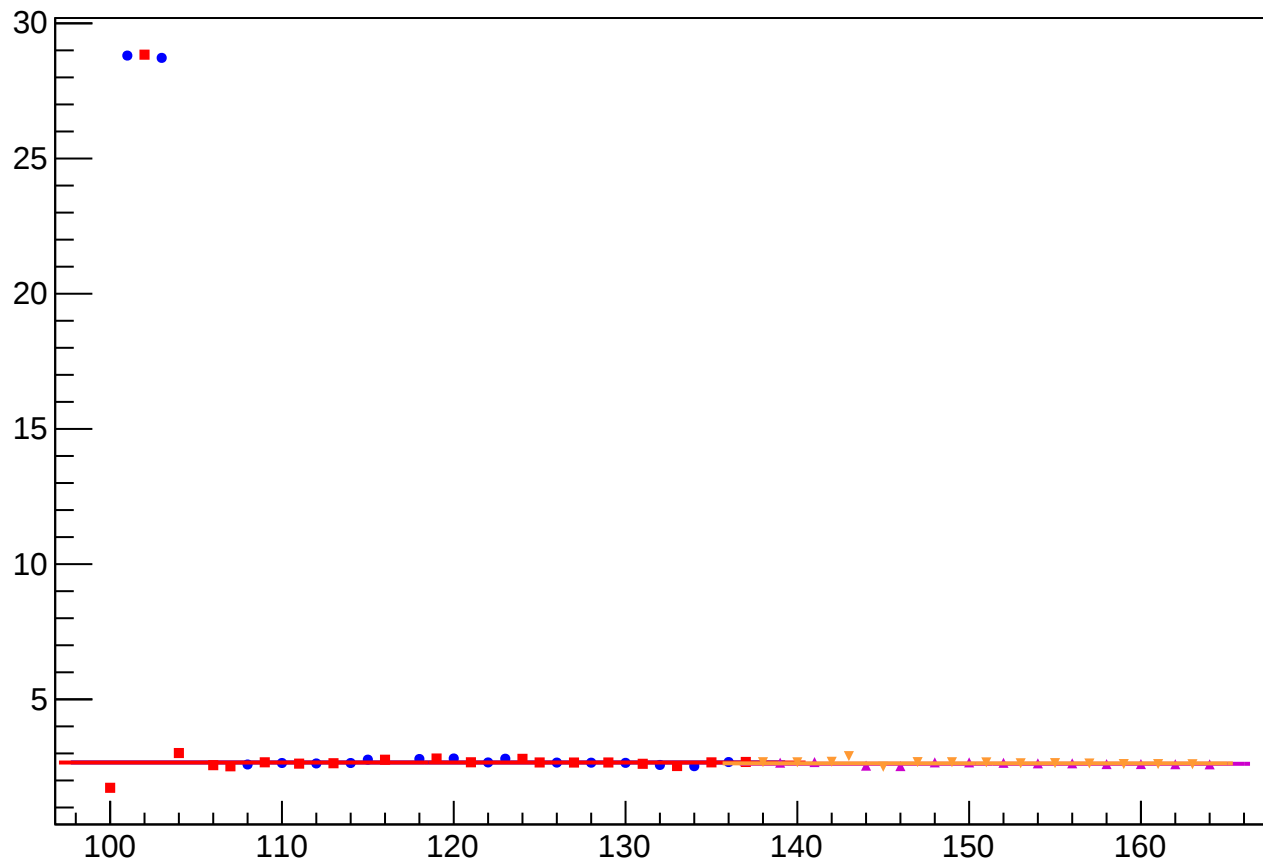
Right: 0.015+/-0.000 χ^2/NDF : 2421831.8/35

In: 0.017+/-0.000 χ^2/NDF : 2605403.9/29

Out: 0.017+/-0.000 χ^2/NDF : 1774874.4/32

All: 0.017+/-0.000 χ^2/NDF : 4386819.5/62

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.632+/-0.000 χ^2/NDF : 11788737287.3/13

Right Out: 2.664+/-0.000 χ^2/NDF : 70398125461.7/18

Left In: 2.616+/-0.000 χ^2/NDF : 3941107410.6/12

Left: 2.624+/-0.000 χ^2/NDF : 15936142242.0/26

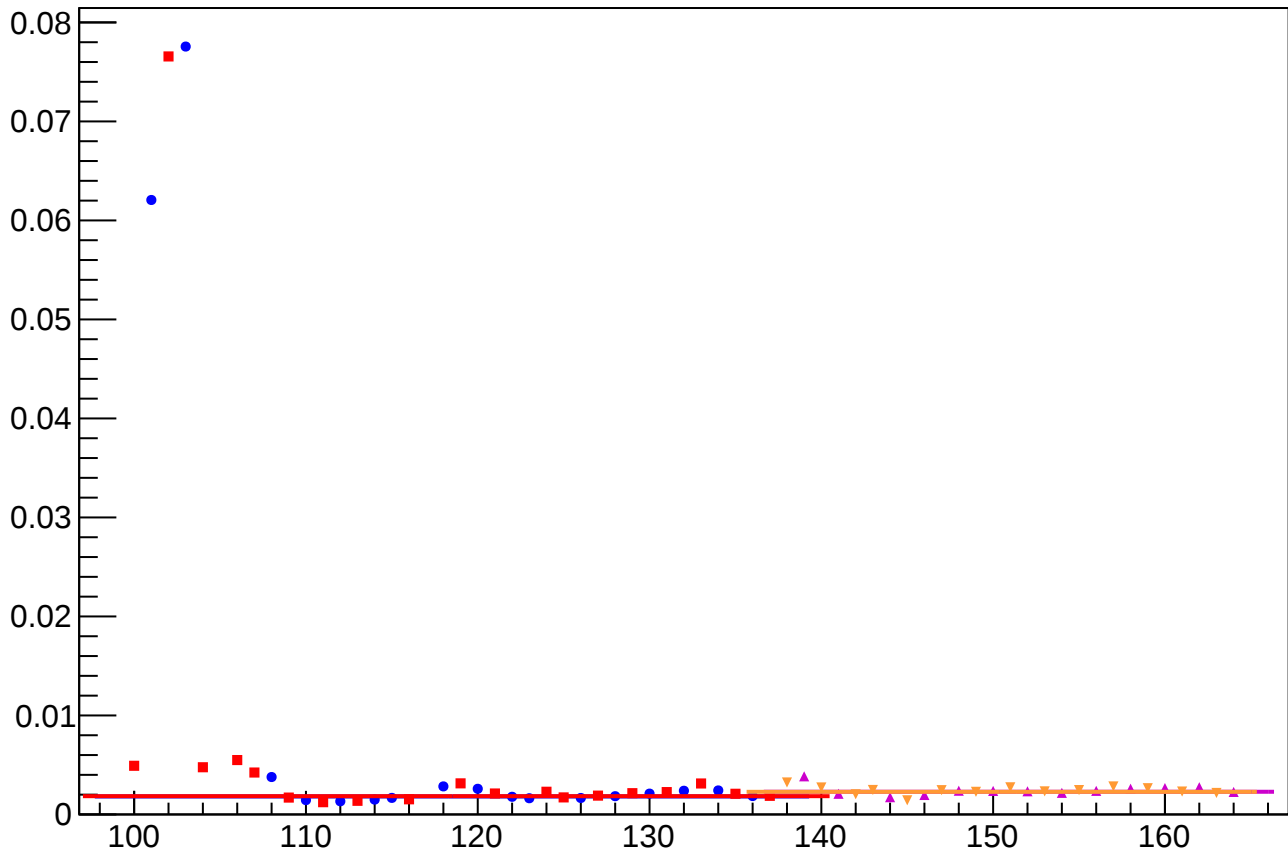
Right: 2.665+/-0.000 χ^2/NDF : 233569925265.6/35

In: 2.639+/-0.000 χ^2/NDF : 168924189170.3/29

Out: 2.647+/-0.000 χ^2/NDF : 82923669019.0/32

All: 2.643+/-0.000 χ^2/NDF : 251939836115.9

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 : 697492.7/13

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF : 502704.3/12

Left: 0.002+/-0.000 χ^2/NDF : 1200246.5/26

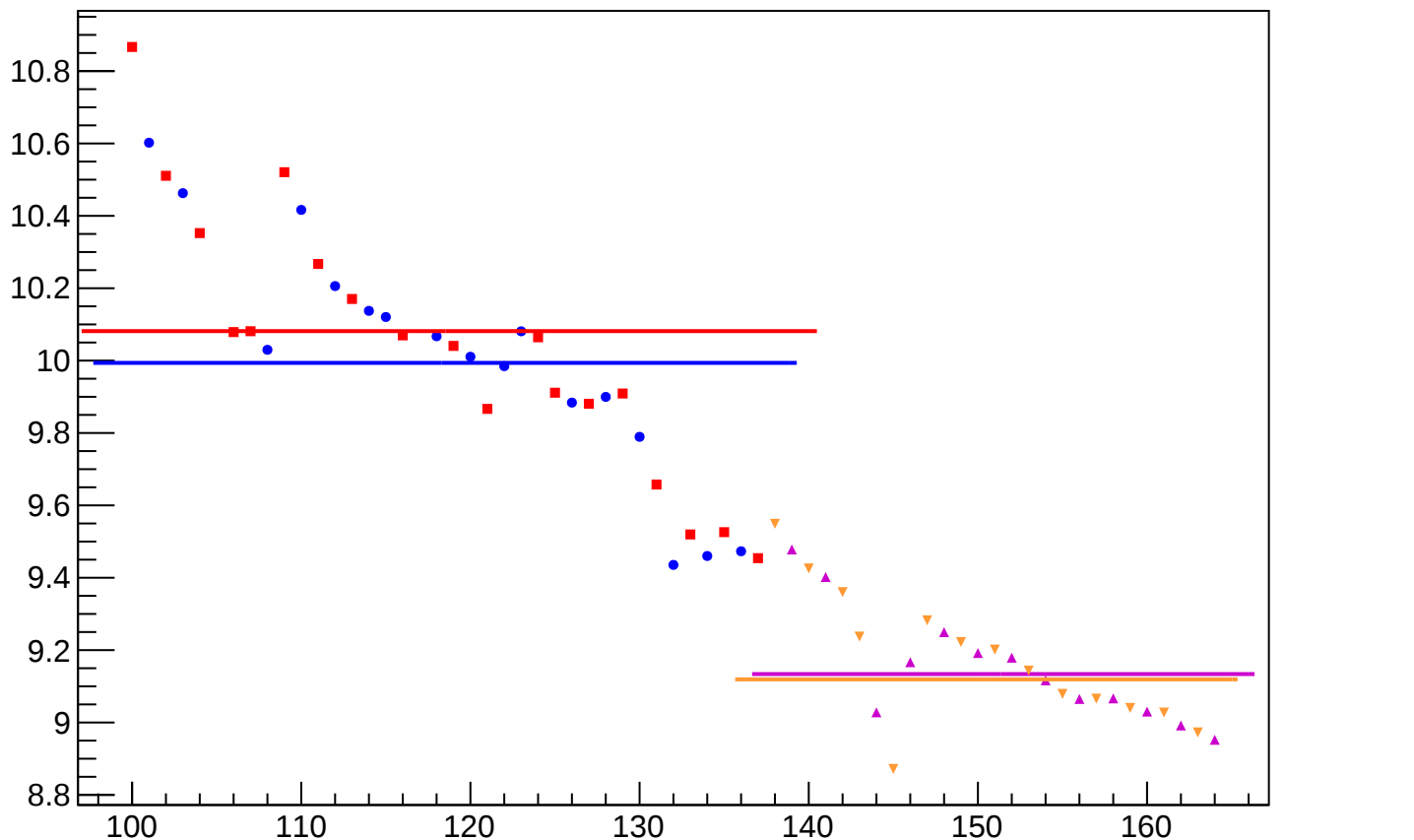
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF : 3493778.5/29

Out: 0.002+/-0.000 χ^2/NDF : 3321280.7/32

All: 0.002+/-0.000 χ^2/NDF : 6815158.0/62

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.119+/-0.000 χ^2/NDF : 5768931003.2/13

Right Out: 10.082+/-0.000 χ^2/NDF : 15502695798.7/18

Left In: 9.134+/-0.000 χ^2/NDF : 3466979103.3/12

Left: 9.126+/-0.000 χ^2/NDF : 9258431643.3/26

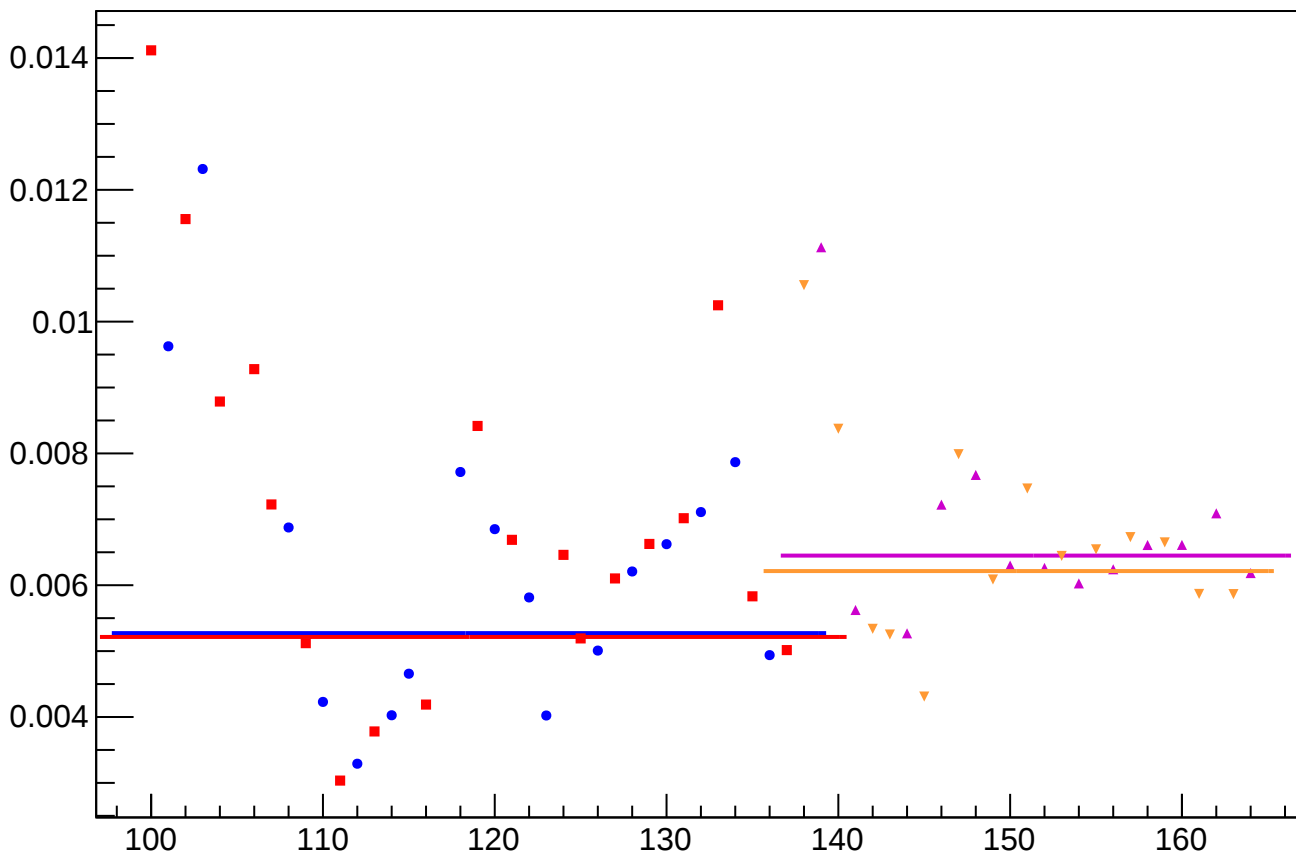
Right: 10.039+/-0.000 χ^2/NDF : 35036056098.5/35

In: 9.541+/-0.000 χ^2/NDF : 92613428501.8/29

Out: 9.573+/-0.000 χ^2/NDF : 115403173197.4/32

All: 9.557+/-0.000 χ^2/NDF : 208208137100.3

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 : 678638.3/13

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 403638.9/12

Left: 0.006+/-0.000 χ^2/NDF : 1093740.2/26

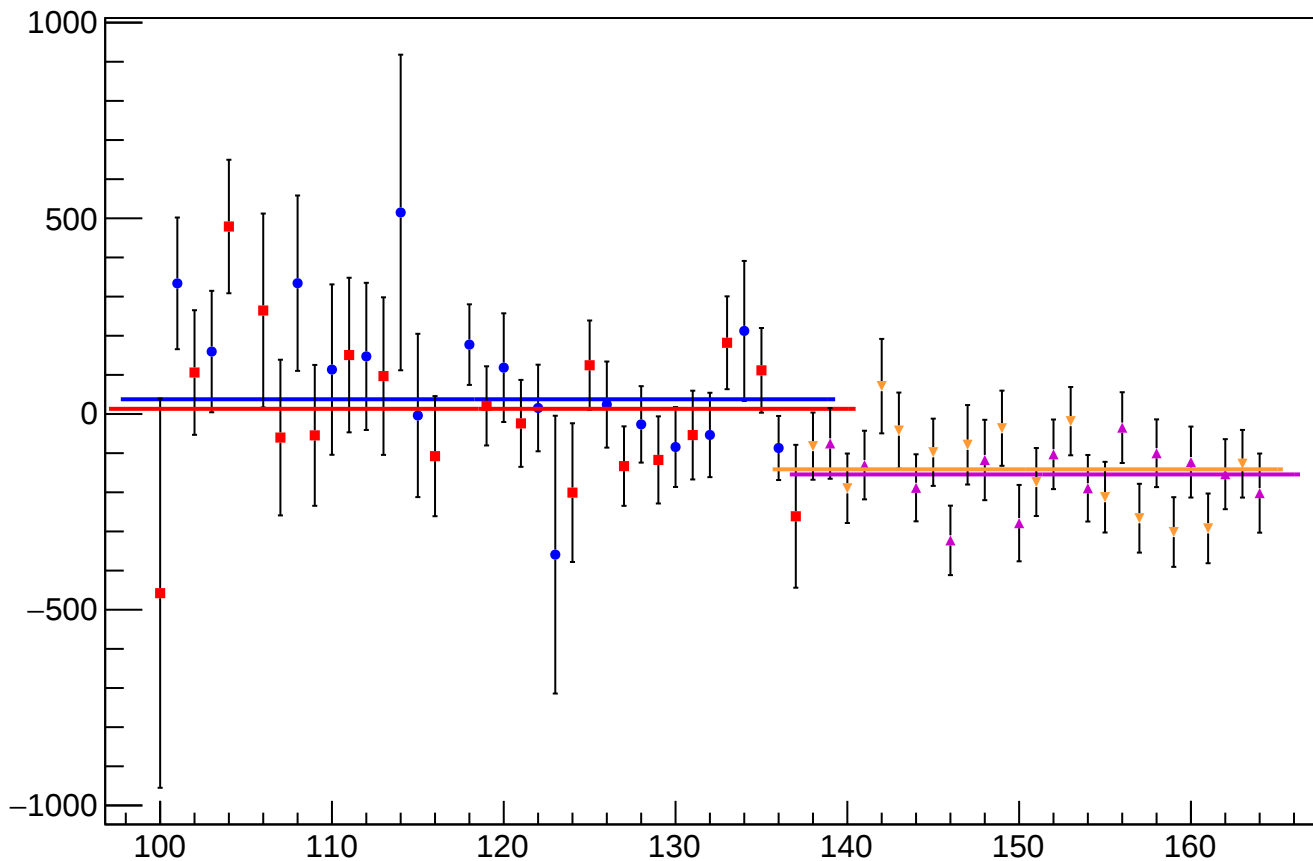
Right: 0.005+/-0.000 χ^2/NDF : 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF : 1912516.7/29

Out: 0.006+/-0.000 χ^2/NDF : 2539791.2/32

All: 0.006+/-0.000 χ^2/NDF : 4460976.1/62

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$

Left Out: -141.273 ± 24.391 $\chi^2/\text{NDF}: 17.7/13$

Right Out: 13.278 ± 32.066 $\chi^2/\text{NDF}: 22.7/18$

Left In: -154.356 ± 25.148 $\chi^2/\text{NDF}: 9.4/12$

Left: -147.614 ± 17.509 $\chi^2/\text{NDF}: 27.2/26$

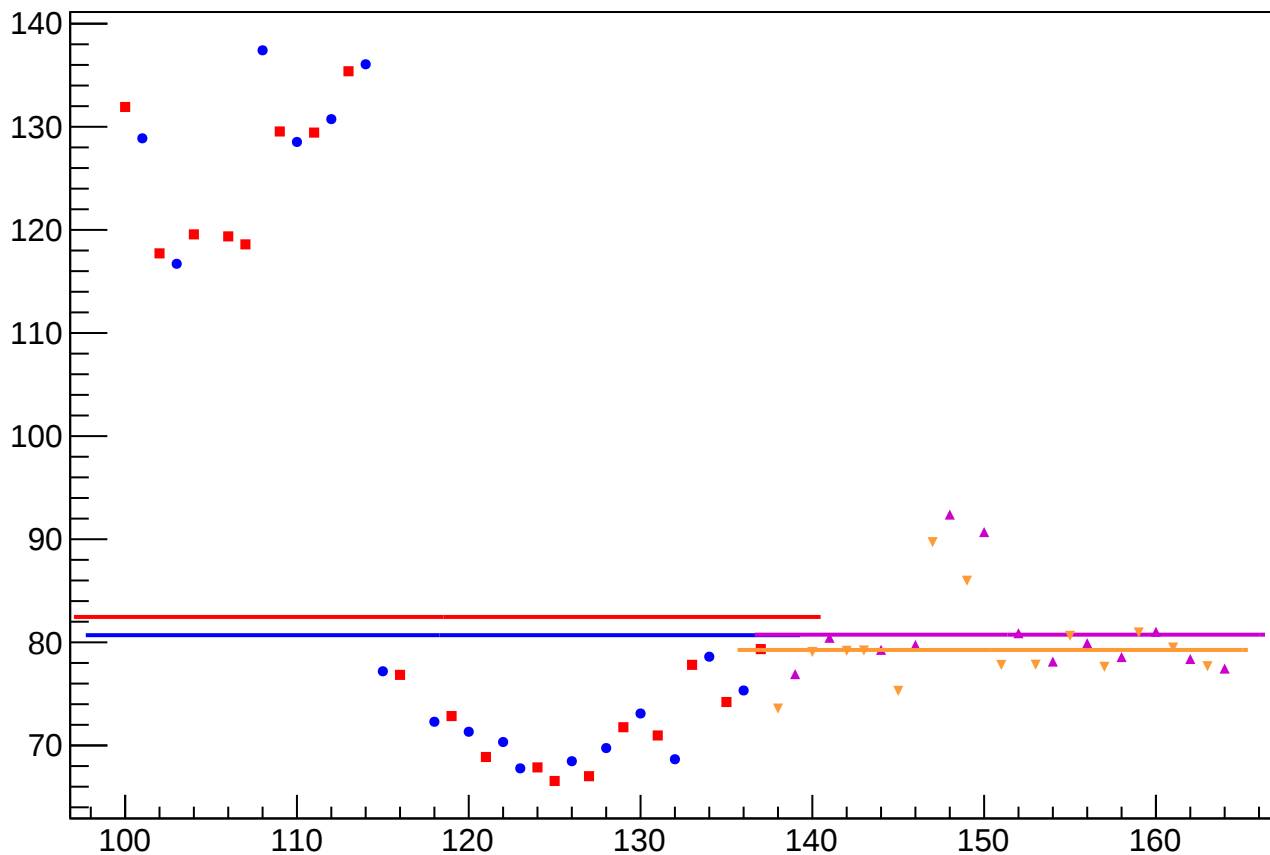
Right: 25.415 ± 22.740 $\chi^2/\text{NDF}: 39.7/35$

In: -81.743 ± 19.832 $\chi^2/\text{NDF}: 48.1/29$

Out: -84.626 ± 19.413 $\chi^2/\text{NDF}: 55.1/32$

All: -83.215 ± 13.873 $\chi^2/\text{NDF}: 103.2/62$

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.263 $\pm$ 0.017 χ^2 /NDF: 47716.9/13

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

Left In: 80.744 $\pm$ 0.018 χ^2 /NDF: 57846.9/12

Left: 79.981 $\pm$ 0.012 χ^2 /NDF: 109139.0/26

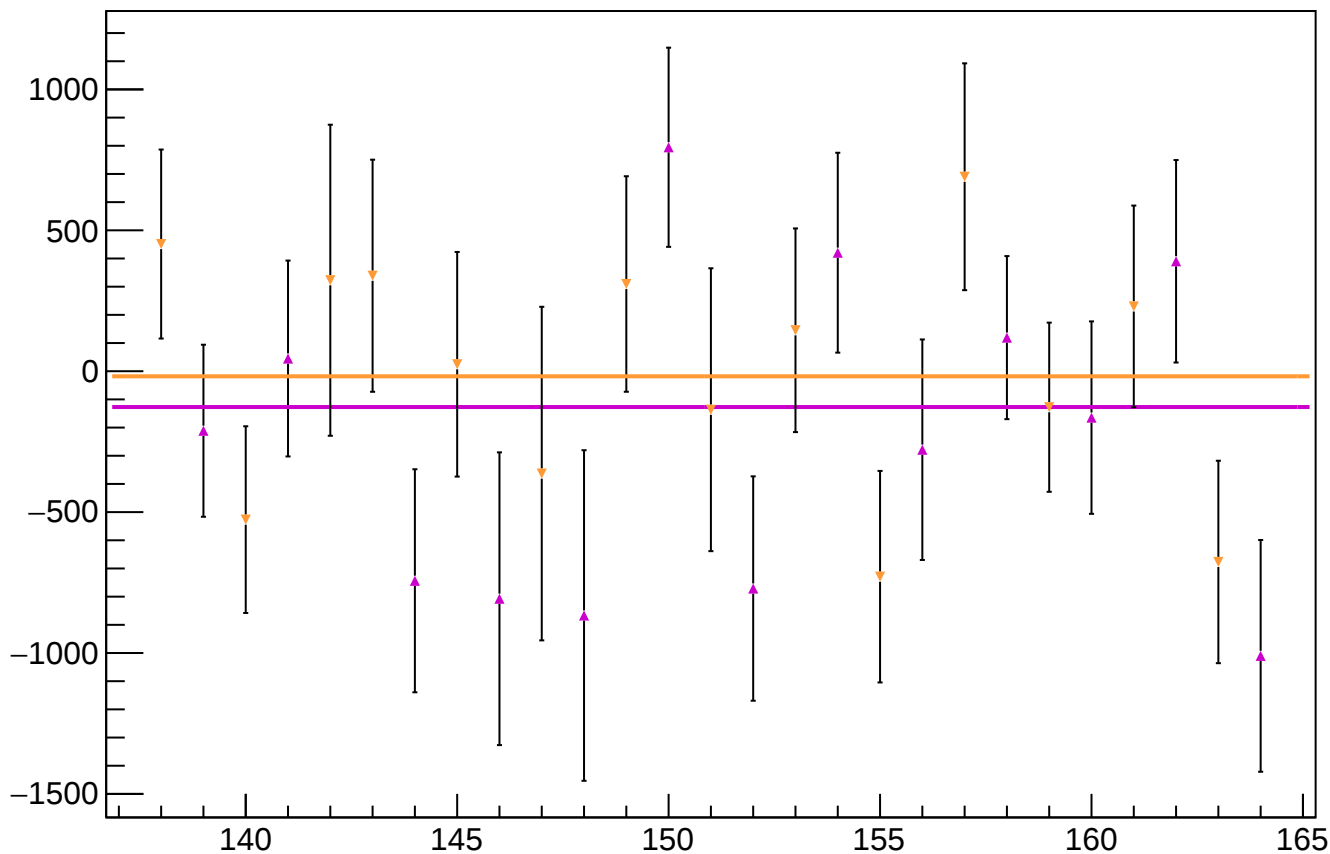
Right: 81.584 $\pm$ 0.016 χ^2 /NDF: 1731931.3/35

In: 80.725 $\pm$ 0.014 χ^2 /NDF: 871876.2/29

Out: 80.436 $\pm$ 0.014 χ^2 /NDF: 975219.3/32

All: 80.577 $\pm$ 0.010 χ^2 /NDF: 1847312.8/62

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -18.047 ± 102.747 $\chi^2/\text{NDF}: 17.5/13$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -127.086 ± 102.605 $\chi^2/\text{NDF}: 25.4/12$

Left: -72.642 ± 72.603 $\chi^2/\text{NDF}: 43.5/26$

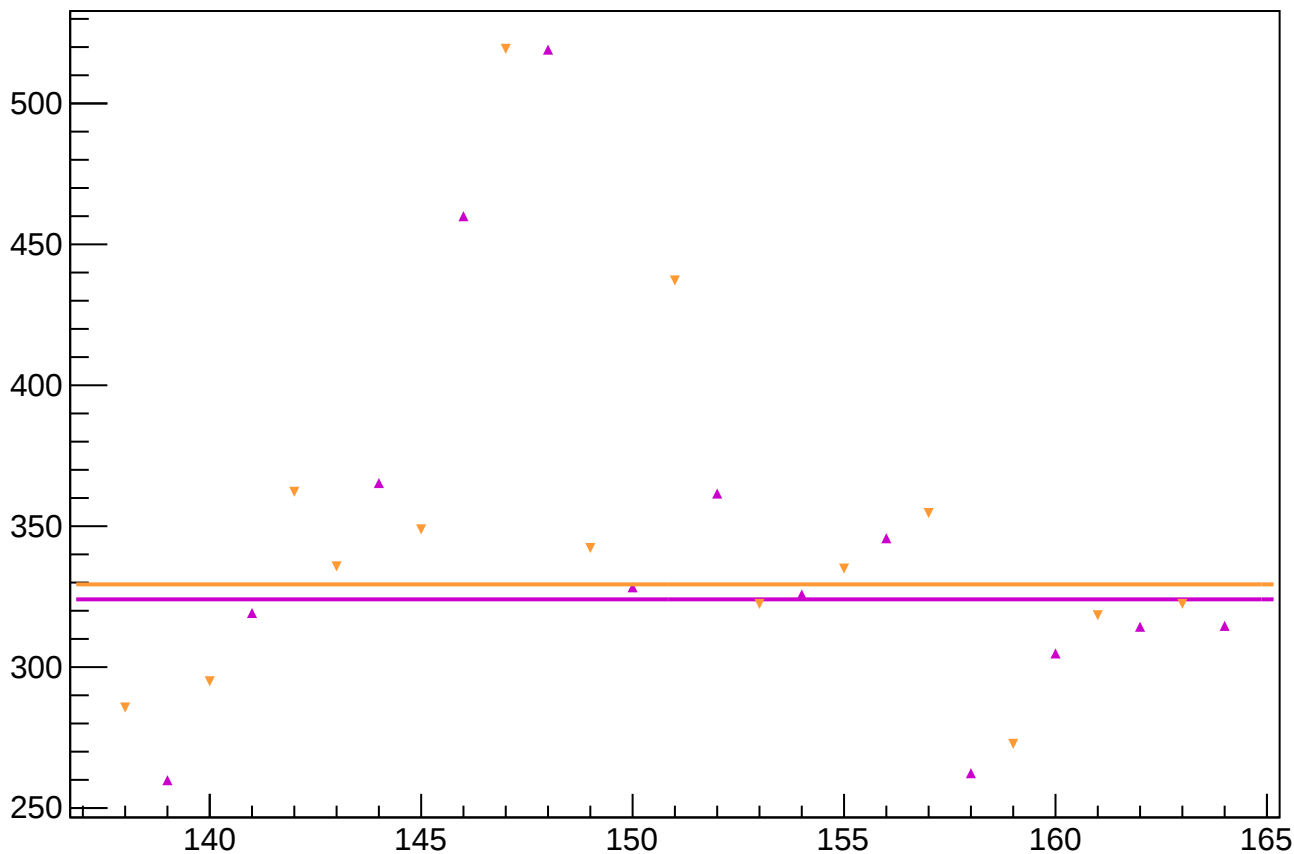
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -127.086 ± 102.605 $\chi^2/\text{NDF}: 25.4/12$

Out: -18.047 ± 102.747 $\chi^2/\text{NDF}: 17.5/13$

All: -72.642 ± 72.603 $\chi^2/\text{NDF}: 43.5/26$

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 329.368+/-0.073 χ^2/NDF :451387.4/13

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

Left In: 324.044+/-0.073 χ^2/NDF :592616.7/12

Left: 326.702+/-0.051 χ^2/NDF : 1046691.9/26

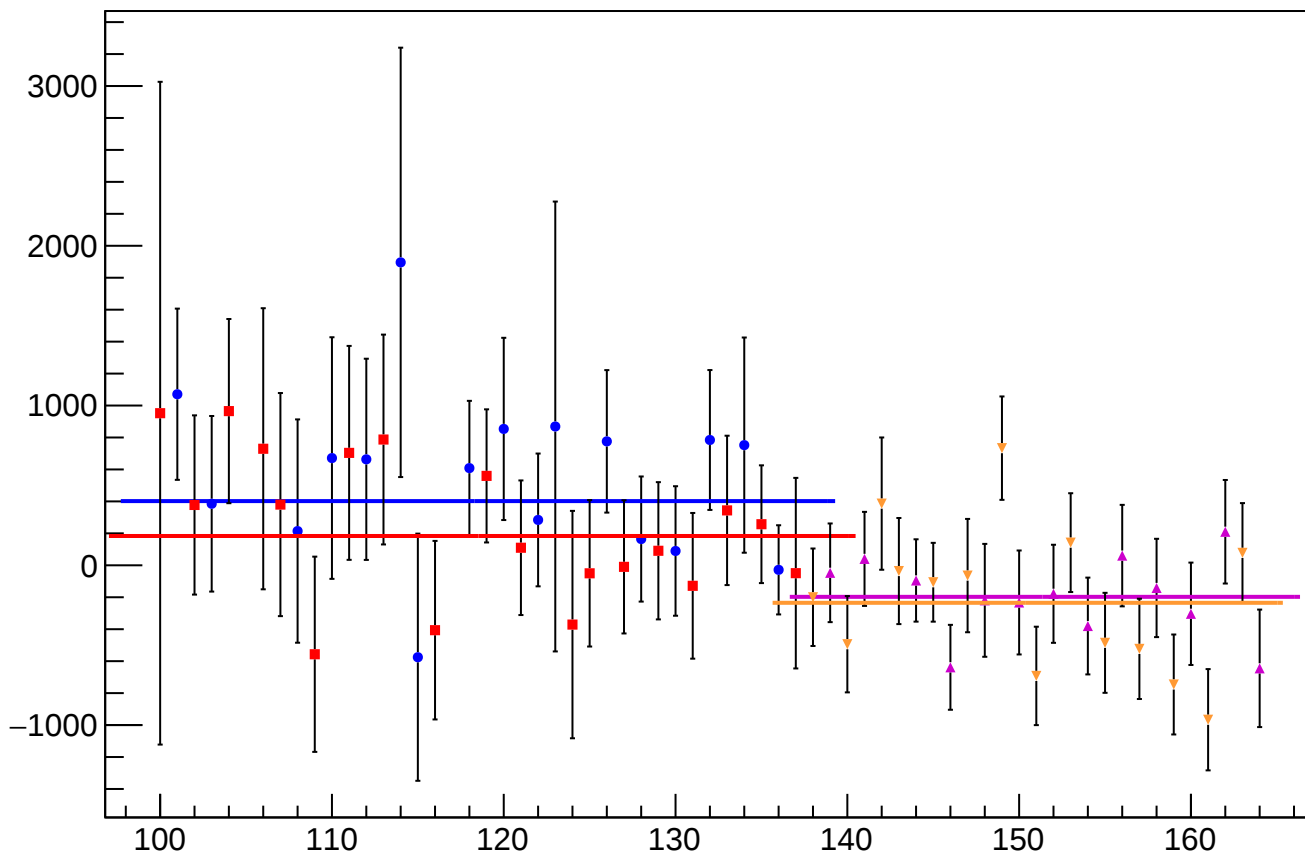
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 324.044+/-0.073 χ^2/NDF :592616.7/12

Out: 329.368+/-0.073 χ^2/NDF :451387.4/13

All: 326.702+/-0.051 χ^2/NDF : 1046691.9/26

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -234.710 $\pm$ 83.791 χ^2 /NDF:27.0/13

Right Out: 183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

Left In: -197.383 $\pm$ 85.328 χ^2 /NDF:8.0/12

Left: -216.386 $\pm$ 59.785 χ^2 /NDF: 35.1/26

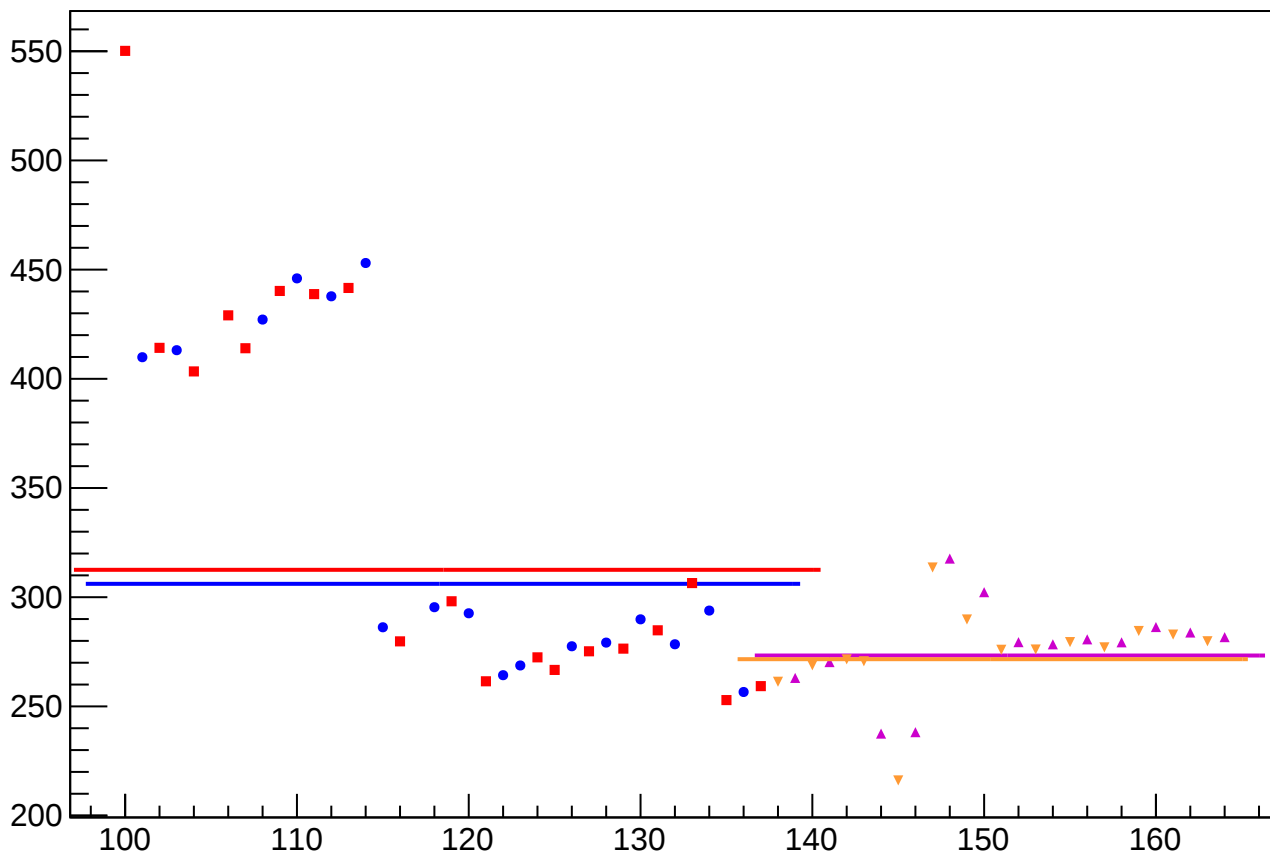
Right: 292.034 $\pm$ 85.342 χ^2 /NDF: 21.9/35

In: 1.541 $\pm$ 69.742 χ^2 /NDF:35.3/29

Out: -98.163 $\pm$ 68.763 χ^2 /NDF:44.5/32

All: -49.015 $\pm$ 48.965 χ^2 /NDF: 80.8/62

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 271.617+/-0.059 χ^2/NDF :148107.3/13

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

Left In: 273.298+/-0.060 χ^2/NDF :132962.6/12

Left: 272.442+/-0.042 χ^2/NDF : 281465.2/26

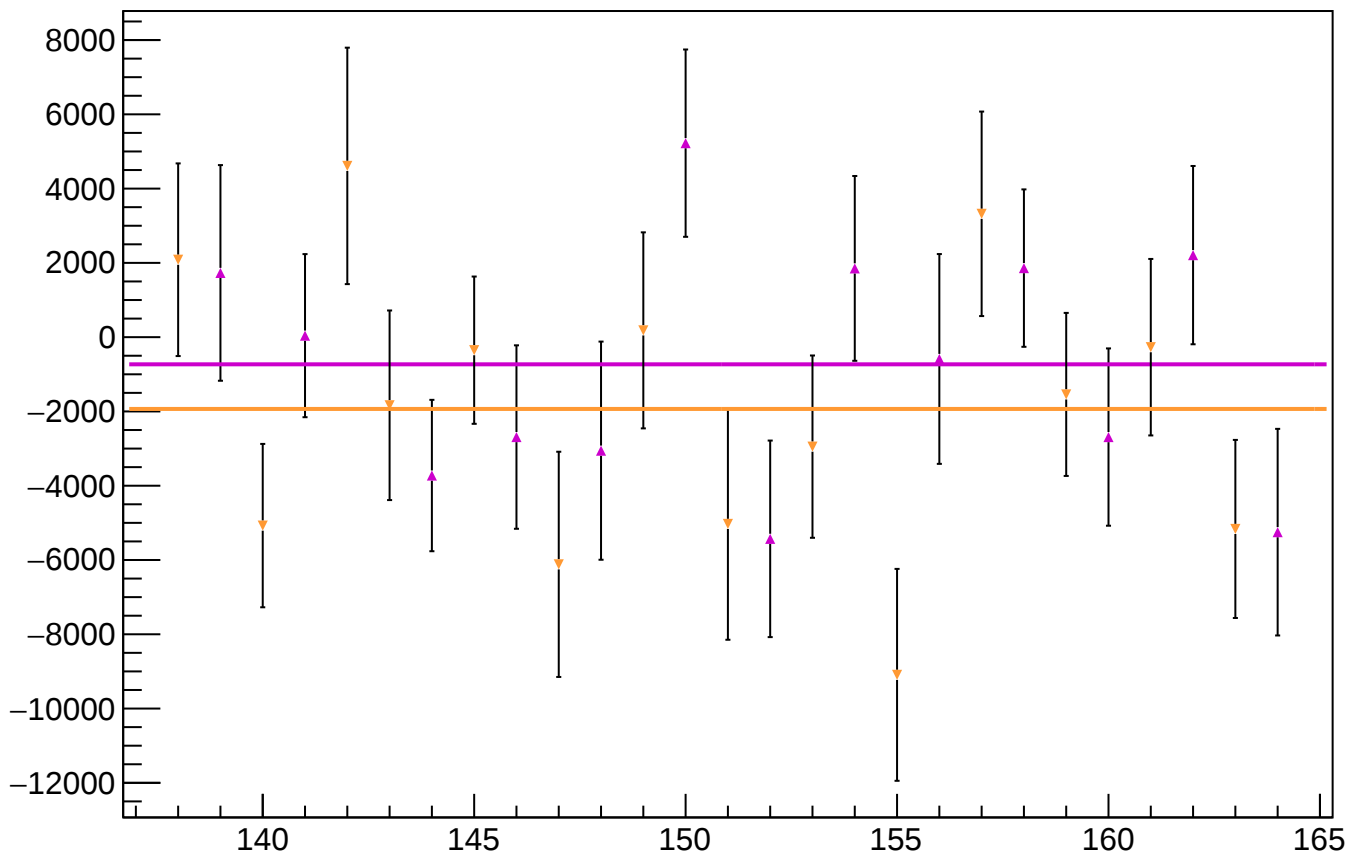
Right: 309.352+/-0.060 χ^2/NDF : 1137034.2/35

In: 284.194+/-0.049 χ^2/NDF :739652.4/29

Out: 284.980+/-0.049 χ^2/NDF :929670.3/32

All: 284.593+/-0.035 χ^2/NDF : 1669451.3/62

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1932.646+/-674.739 χ^2/NDF :25.3/13

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

Left In: -731.168+/-684.454 χ^2/NDF :20.4/12

Left: -1340.493+/-480.511 χ^2/NDF : 47.2/26

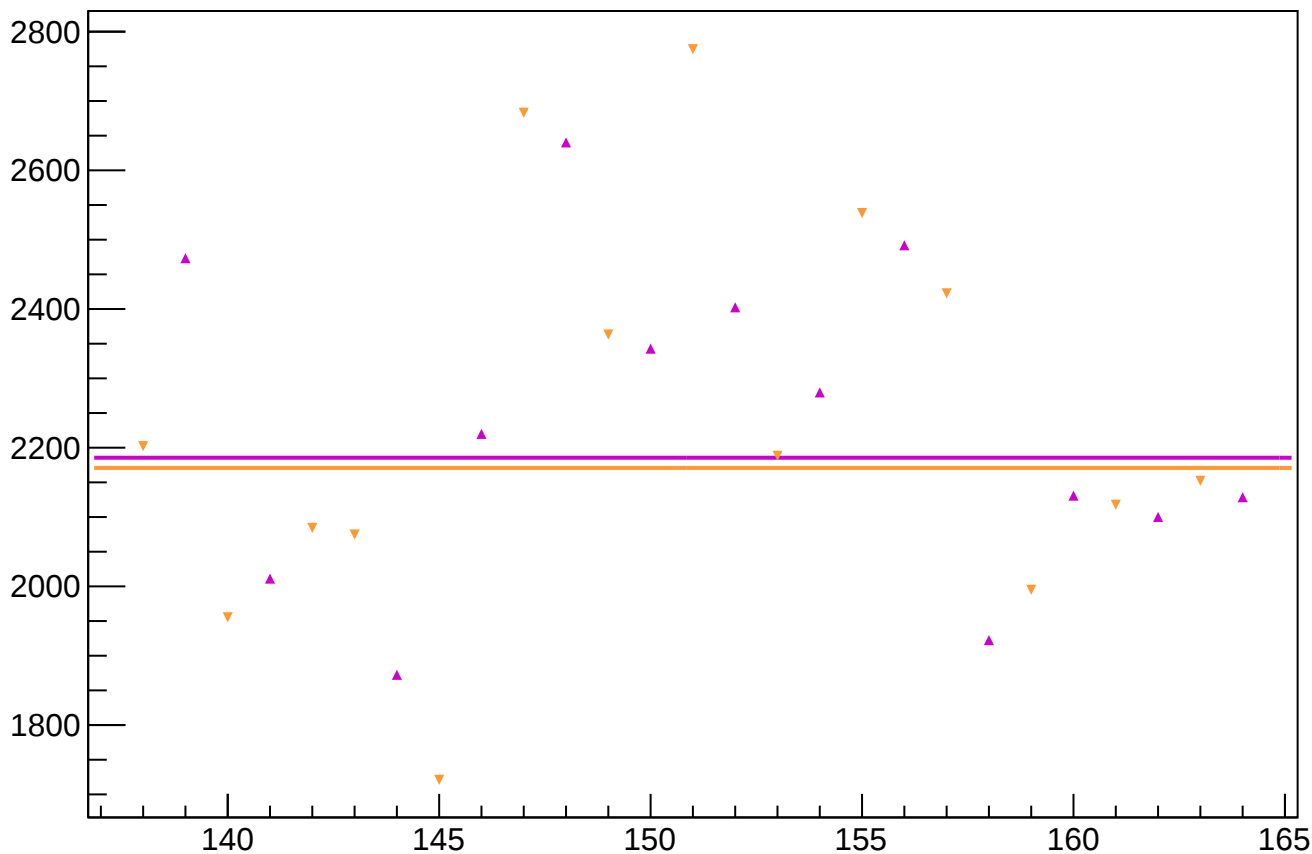
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -731.168+/-684.454 χ^2/NDF :20.4/12

Out: -1932.646+/-674.739 χ^2/NDF :25.3/13

All: -1340.493+/-480.511 χ^2/NDF : 47.2/26

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2170.824+/-0.477 χ^2/NDF :333341.3/13

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

Left In: 2185.517+/-0.484 χ^2/NDF :210642.7/12

Left: 2178.065+/-0.340 χ^2/NDF : 544451.4/26

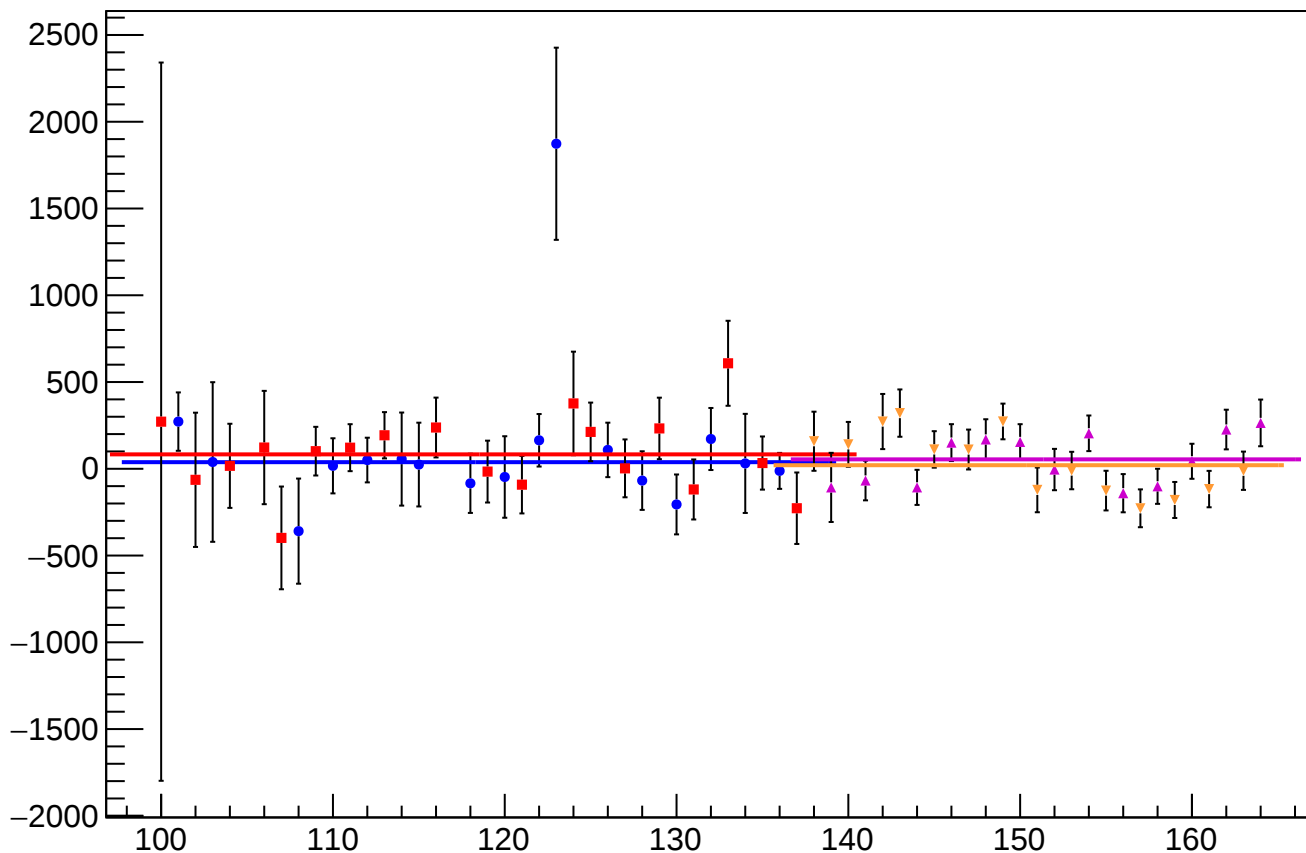
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2185.517+/-0.484 χ^2/NDF :210642.7/12

Out: 2170.824+/-0.477 χ^2/NDF :333341.3/13

All: 2178.065+/-0.340 χ^2/NDF : 544451.4/26

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 20.628+/-31.296 χ^2/NDF : 29.9/13

Right Out: 83.101+/-43.098 χ^2/NDF : 16.7/18

Left In: 54.327+/-31.109 χ^2/NDF : 19.7/12

Left: 37.578+/-22.063 χ^2/NDF : 50.2/26

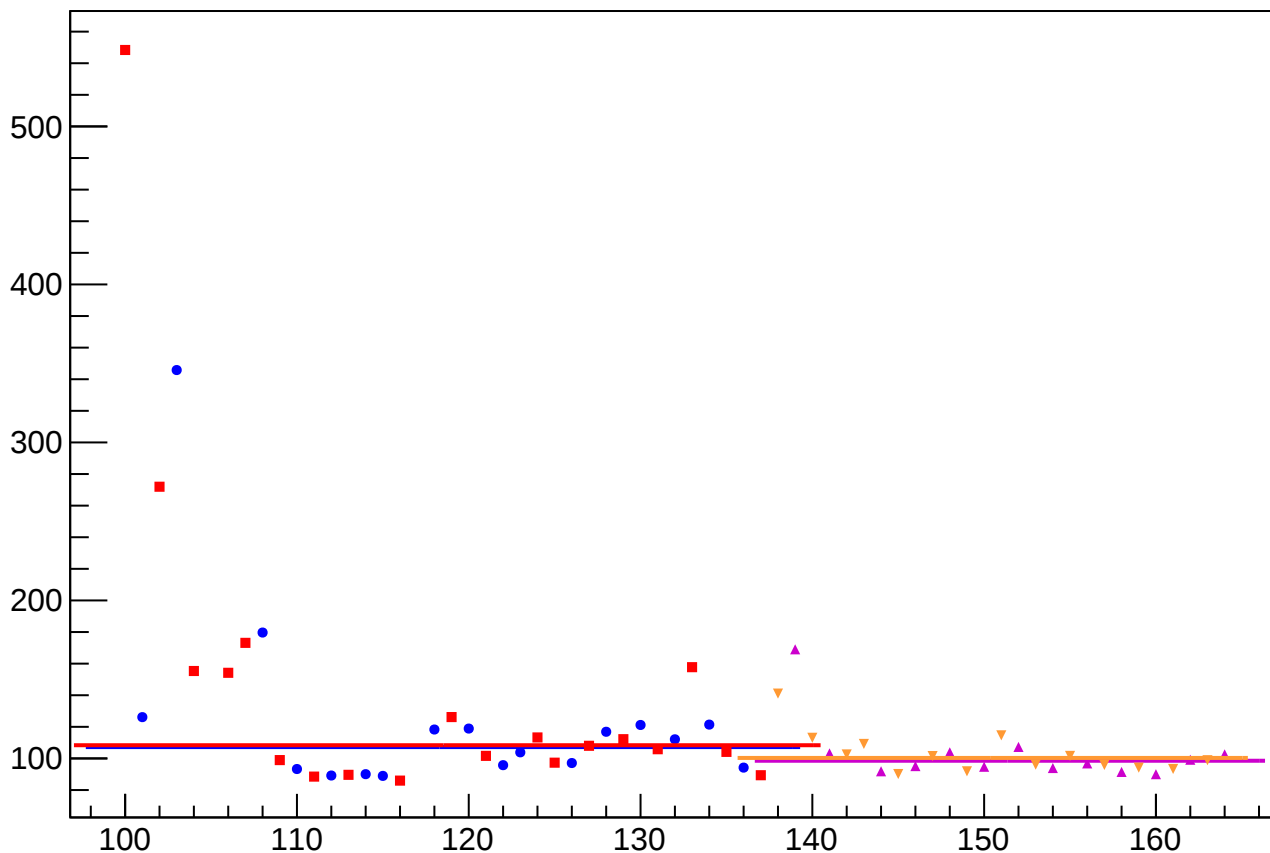
Right: 60.847+/-30.633 χ^2/NDF : 36.7/35

In: 48.853+/-25.314 χ^2/NDF : 39.2/29

Out: 42.197+/-25.324 χ^2/NDF : 48.0/32

All: 45.526+/-17.903 χ^2/NDF : 87.2/62

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 100.316+/-0.022 χ^2/NDF : 222685.4/13

Right Out: 108.359+/-0.030 χ^2/NDF : 917287.7/18

Left In: 98.537+/-0.022 χ^2/NDF : 312740.3/12

Left: 99.421+/-0.016 χ^2/NDF : 538676.3/26

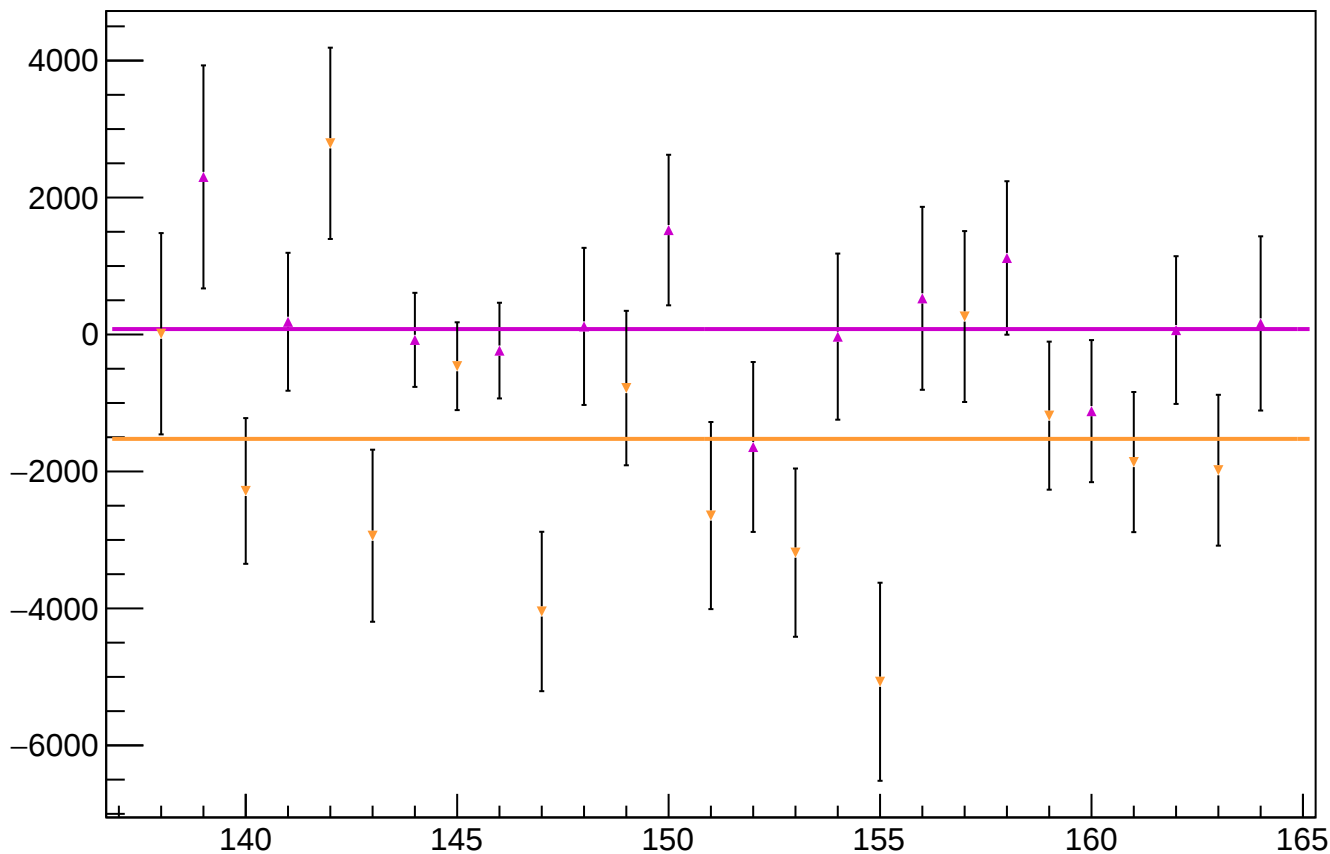
Right: 107.780+/-0.022 χ^2/NDF : 1761132.0/35

In: 101.460+/-0.018 χ^2/NDF : 1208124.4/29

Out: 103.093+/-0.018 χ^2/NDF : 1185576.2/32

All: 102.276+/-0.013 χ^2/NDF : 2397857.8/62

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1524.189+/-296.135 χ^2/NDF :31.2/13

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

Left In: 79.447+/-286.165 χ^2/NDF :8.1/12

Left: -694.920+/-205.784 χ^2/NDF : 54.5/26

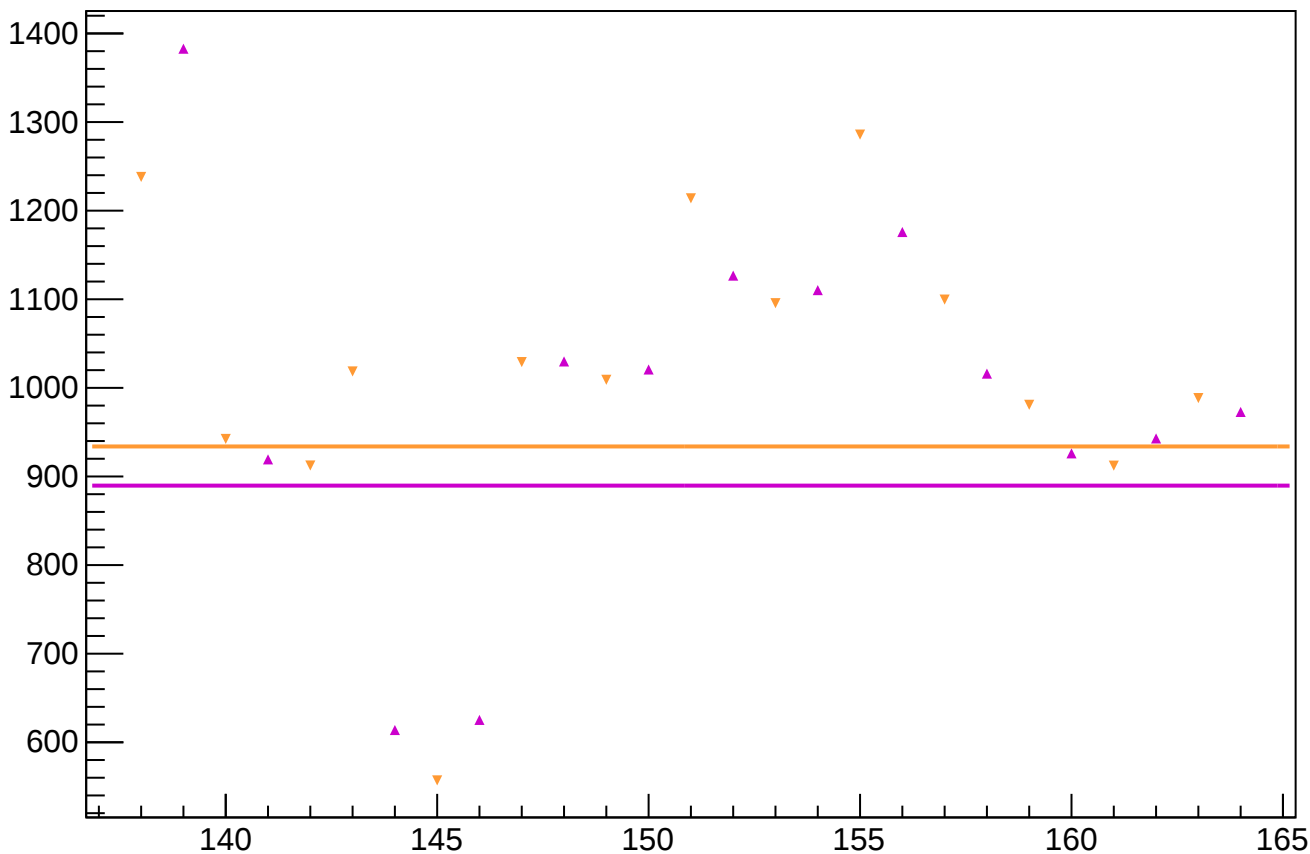
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 79.447+/-286.165 χ^2/NDF :8.1/12

Out: -1524.189+/-296.135 χ^2/NDF :31.2/13

All: -694.920+/-205.784 χ^2/NDF : 54.5/26

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 933.877+/-0.209 χ^2/NDF :1090777.5/13

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

Left In: 889.676+/-0.202 χ^2/NDF :1124674.1/12

Left: 911.020+/-0.146 χ^2/NDF : 2238492.5/26

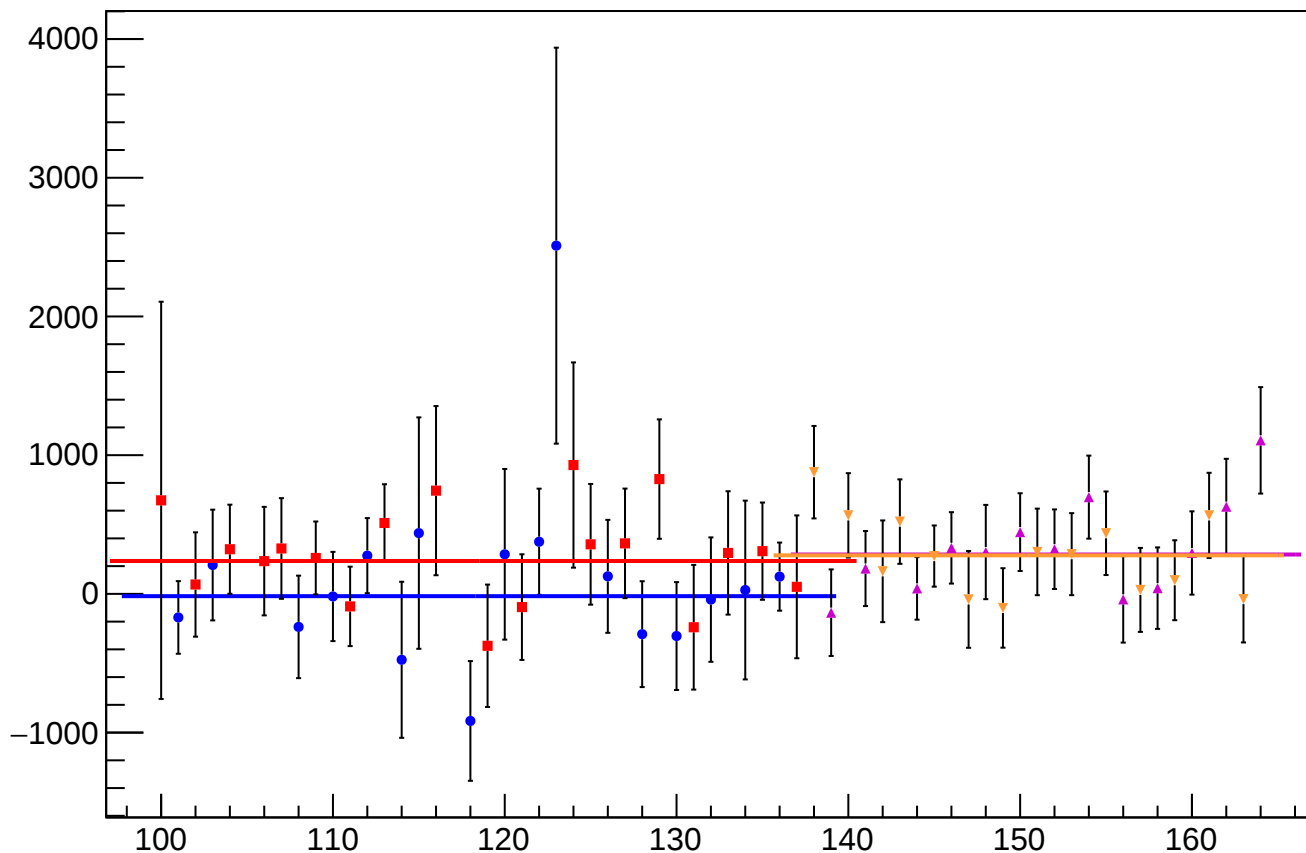
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 889.676+/-0.202 χ^2/NDF :1124674.1/12

Out: 933.877+/-0.209 χ^2/NDF :1090777.5/13

All: 911.020+/-0.146 χ^2/NDF : 2238492.5/26

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 277.847 ± 80.189 $\chi^2/\text{NDF}: 10.7/13$

Right Out: 236.984 ± 88.937 $\chi^2/\text{NDF}: 10.3/18$

Left In: 283.734 ± 81.218 $\chi^2/\text{NDF}: 12.8/12$

Left: 280.753 ± 57.063 $\chi^2/\text{NDF}: 23.5/26$

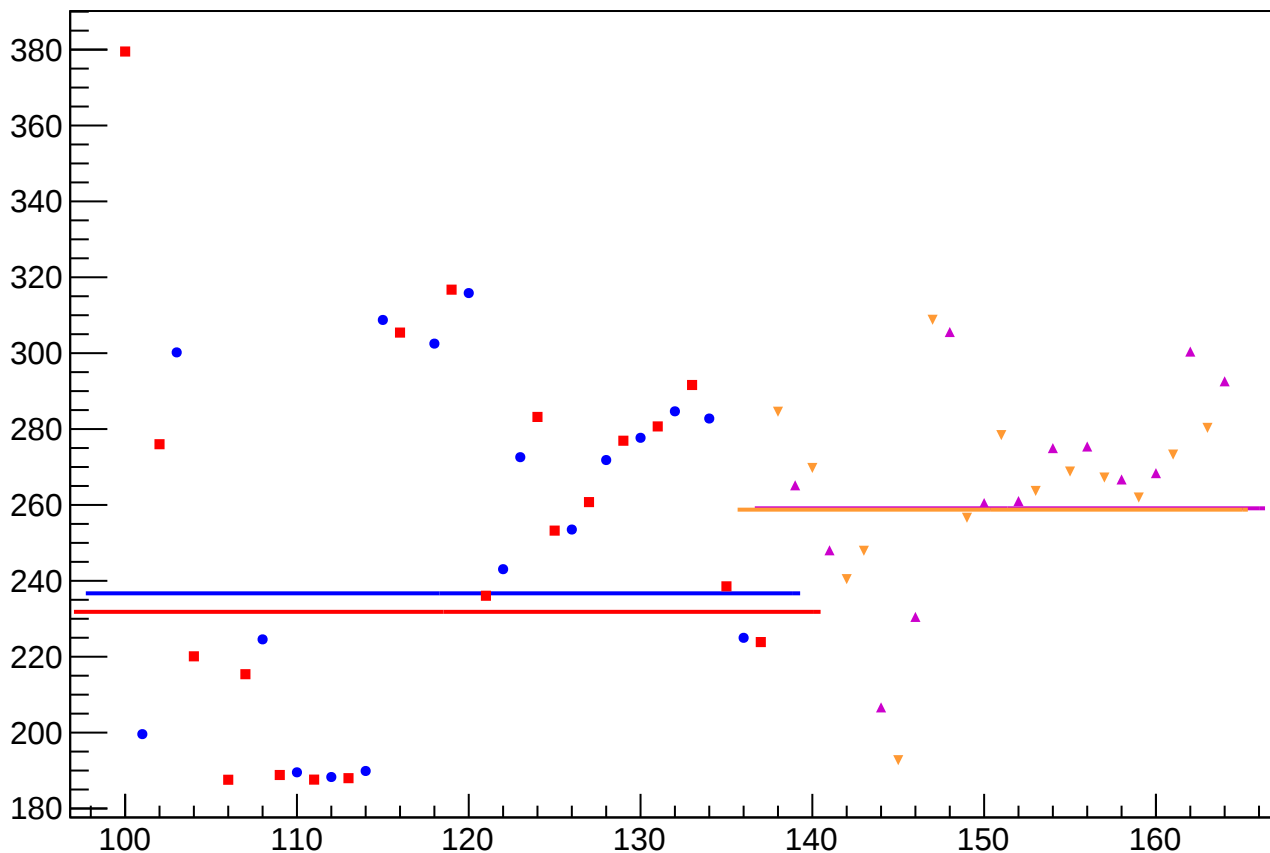
Right: 116.305 ± 64.370 $\chi^2/\text{NDF}: 27.6/35$

In: 154.296 ± 61.255 $\chi^2/\text{NDF}: 32.1/29$

Out: 259.523 ± 59.555 $\chi^2/\text{NDF}: 21.1/32$

All: 208.389 ± 42.700 $\chi^2/\text{NDF}: 54.8/62$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 258.759+/-0.057 χ^2/NDF : 269016.1/13

Right Out: 231.828+/-0.063 χ^2/NDF : 443276.3/18

Left In: 259.113+/-0.057 χ^2/NDF : 232866.5/12

Left: 258.933+/-0.040 χ^2/NDF : 501901.9/26

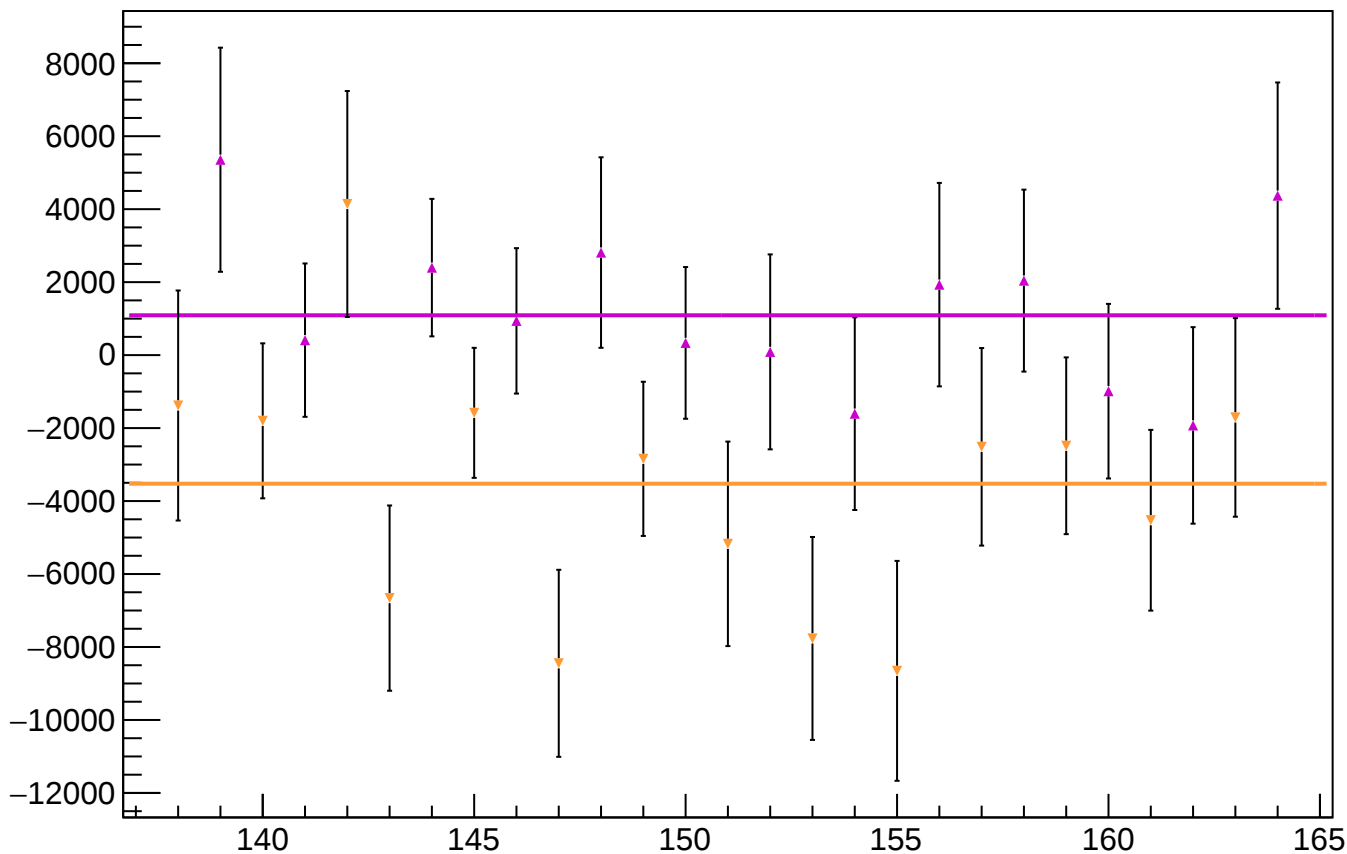
Right: 234.151+/-0.046 χ^2/NDF : 836486.0/35

In: 249.451+/-0.043 χ^2/NDF : 688844.7/29

Out: 246.683+/-0.042 χ^2/NDF : 813444.2/32

All: 248.028+/-0.030 χ^2/NDF : 1504388.9/62

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3524.465+/-667.468 χ^2/NDF :20.3/13

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

Left In: 1091.395+/-669.116 χ^2/NDF :7.6/12

Left: -1222.225+/-472.553 χ^2/NDF : 51.7/26

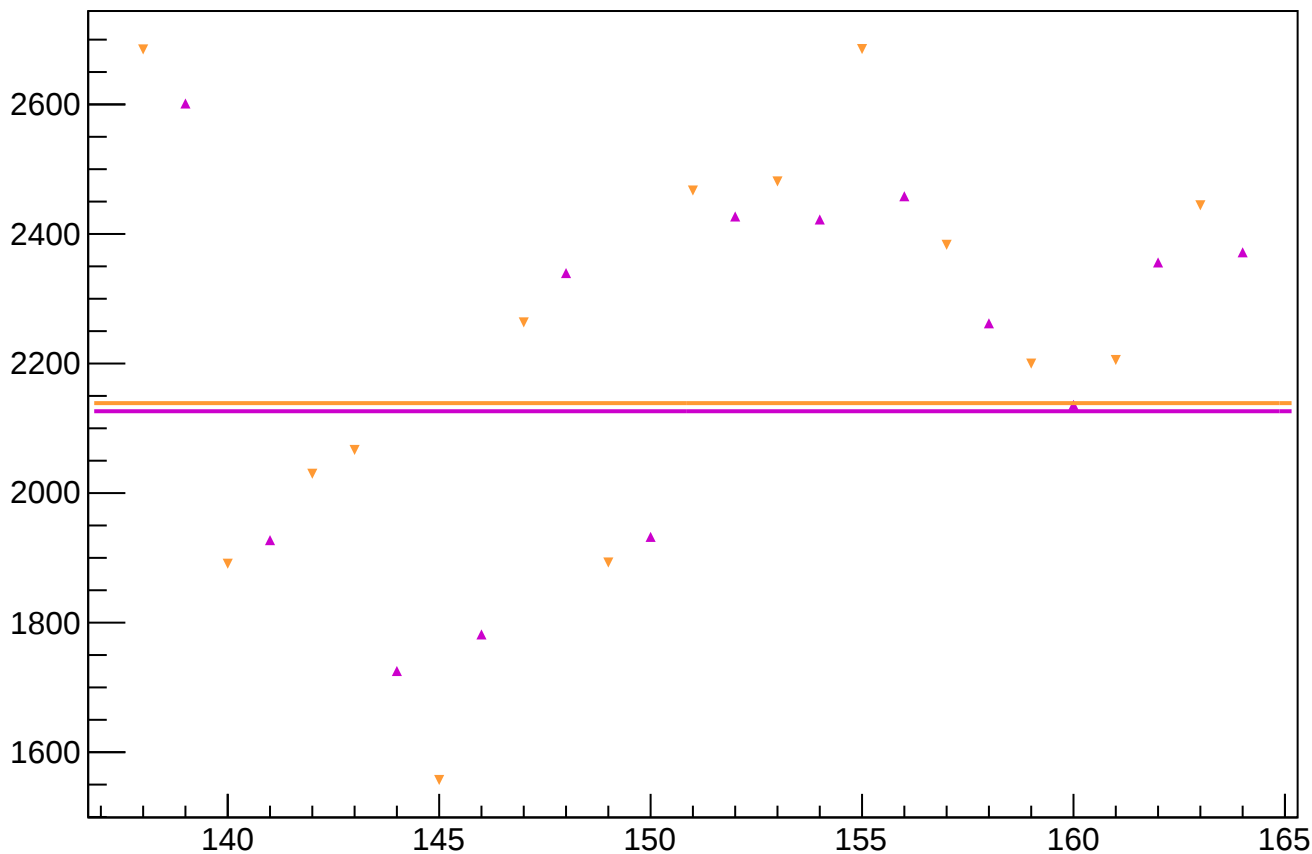
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1091.395+/-669.116 χ^2/NDF :7.6/12

Out: -3524.465+/-667.468 χ^2/NDF :20.3/13

All: -1222.225+/-472.553 χ^2/NDF : 51.7/26

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2138.878+/-0.472 χ^2/NDF :504157.1/13

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

Left In: 2126.348+/-0.473 χ^2/NDF :358779.7/12

Left: 2132.628+/-0.334 χ^2/NDF : 863288.3/26

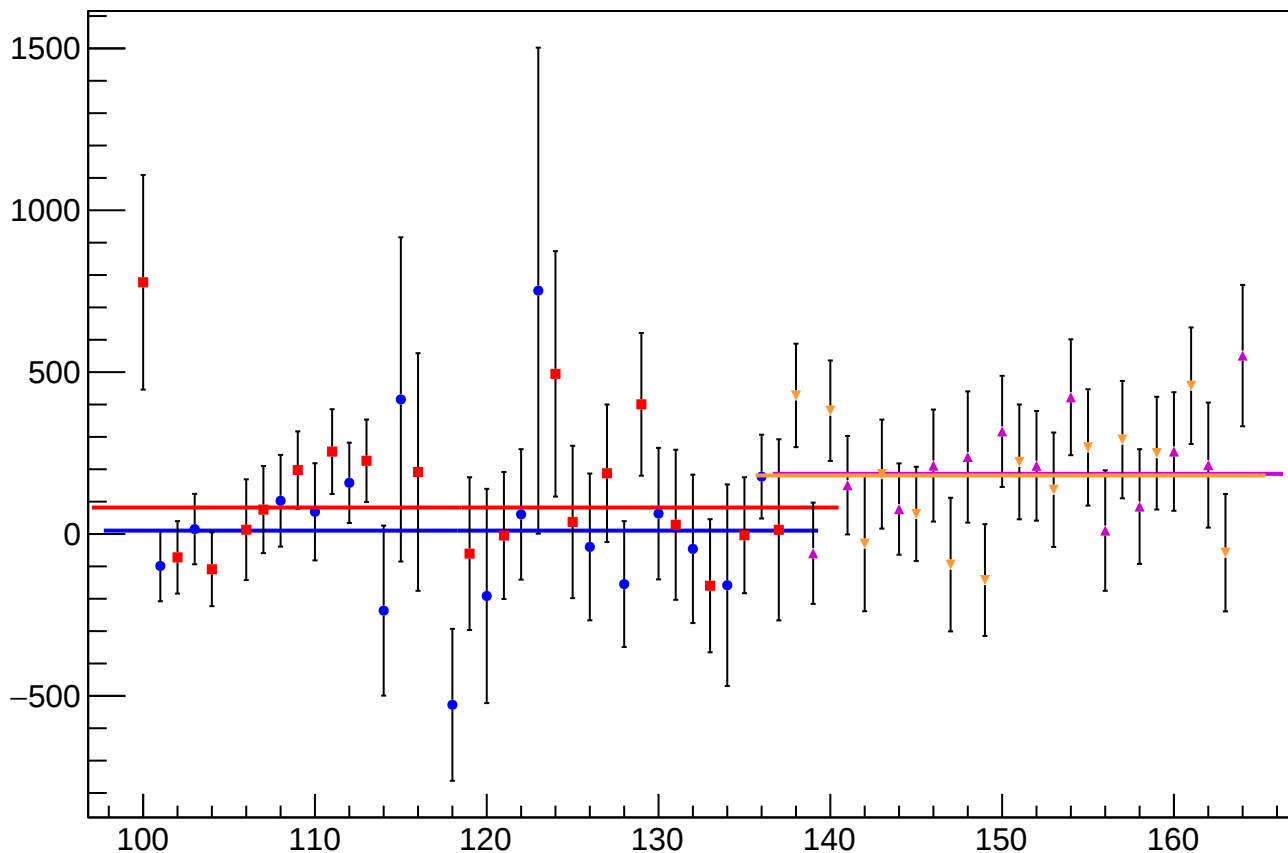
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2126.348+/-0.473 χ^2/NDF :358779.7/12

Out: 2138.878+/-0.472 χ^2/NDF :504157.1/13

All: 2132.628+/-0.334 χ^2/NDF : 863288.3/26

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 180.829+/-46.503 χ^2/NDF :16.0/13

Right Out: 81.802+/-38.985 χ^2/NDF : 19.2/18

Left In: 185.877+/-48.205 χ^2/NDF :9.7/12

Left: 183.262+/-33.468 χ^2/NDF : 25.7/26

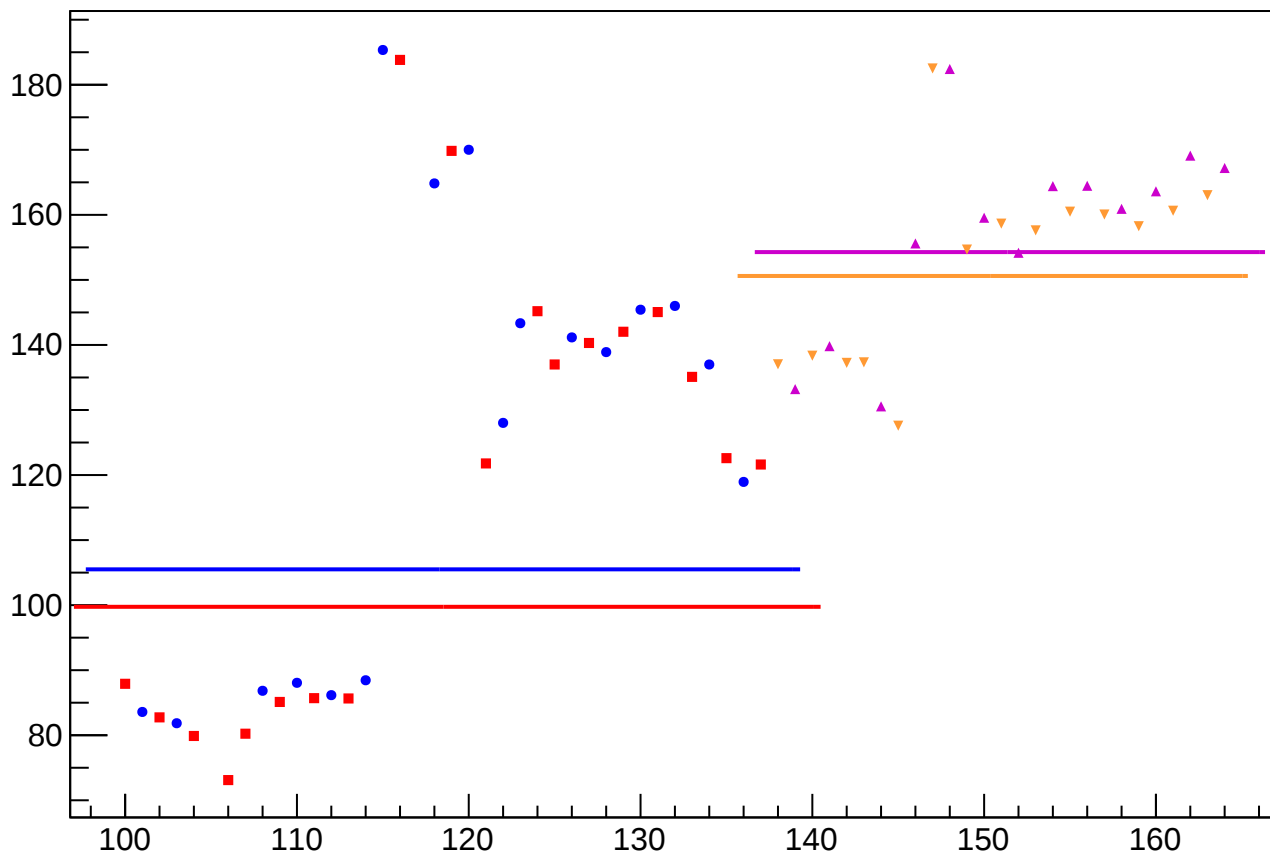
Right: 49.063+/-28.665 χ^2/NDF : 34.8/35

In: 86.800+/-31.792 χ^2/NDF :31.3/29

Out: 122.673+/-29.875 χ^2/NDF :37.9/32

All: 105.850+/-21.771 χ^2/NDF : 69.8/62

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 150.605 $\pm$ 0.033 χ^2 /NDF:184507.1/13

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

Left In: 154.276 $\pm$ 0.034 χ^2 /NDF:190624.4/12

Left: 152.375 $\pm$ 0.024 χ^2 /NDF: 381139.0/26

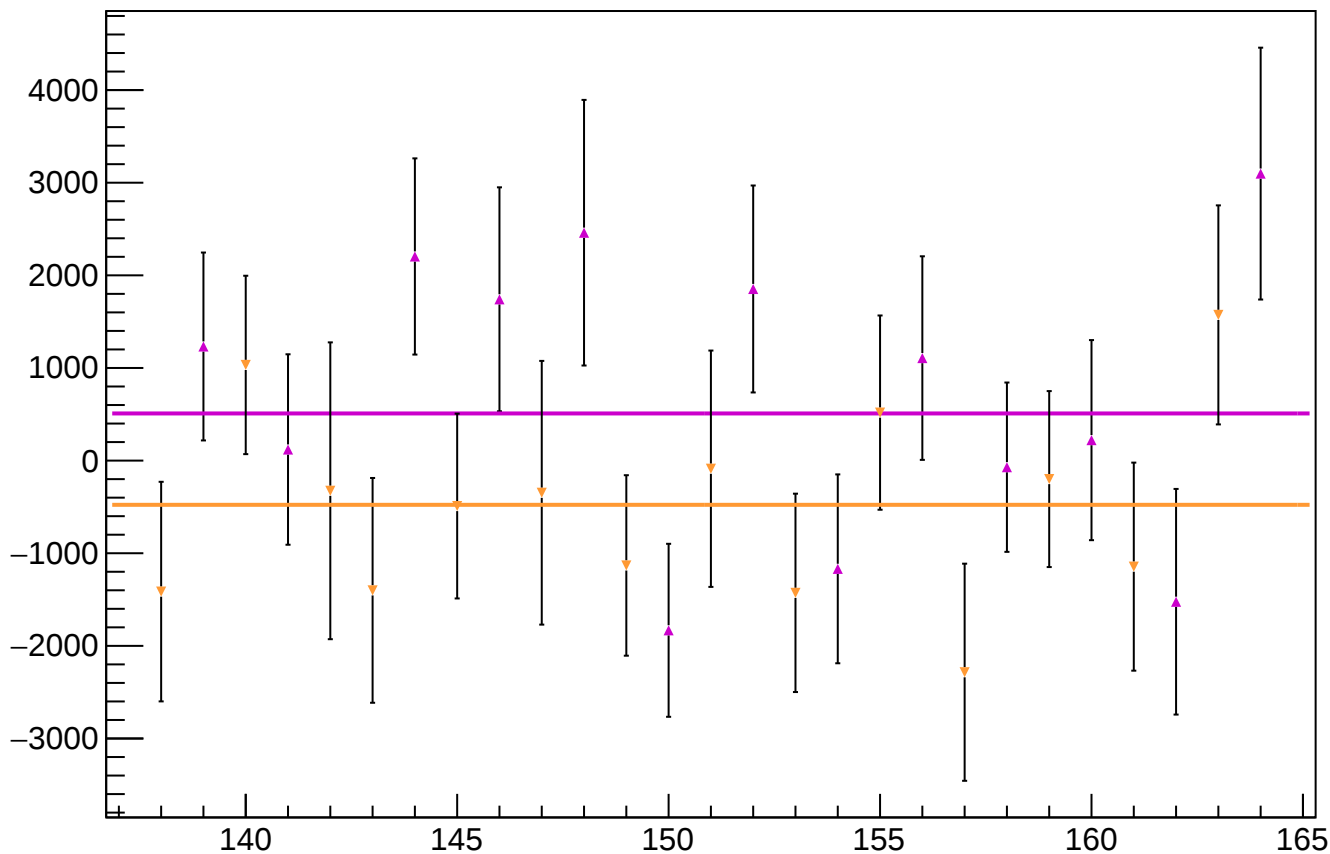
Right: 102.389 $\pm$ 0.020 χ^2 /NDF: 1889165.6/35

In: 126.717 $\pm$ 0.022 χ^2 /NDF:2216524.0/29

Out: 120.736 $\pm$ 0.021 χ^2 /NDF:2589610.6/32

All: 123.541 $\pm$ 0.015 χ^2 /NDF: 4843729.6/62

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -477.297 $\pm$ 299.442 χ^2 /NDF:11.7/13

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

Left In: 509.068 $\pm$ 301.665 χ^2 /NDF:23.7/12

Left: 12.238 $\pm$ 212.519 χ^2 /NDF: 40.8/26

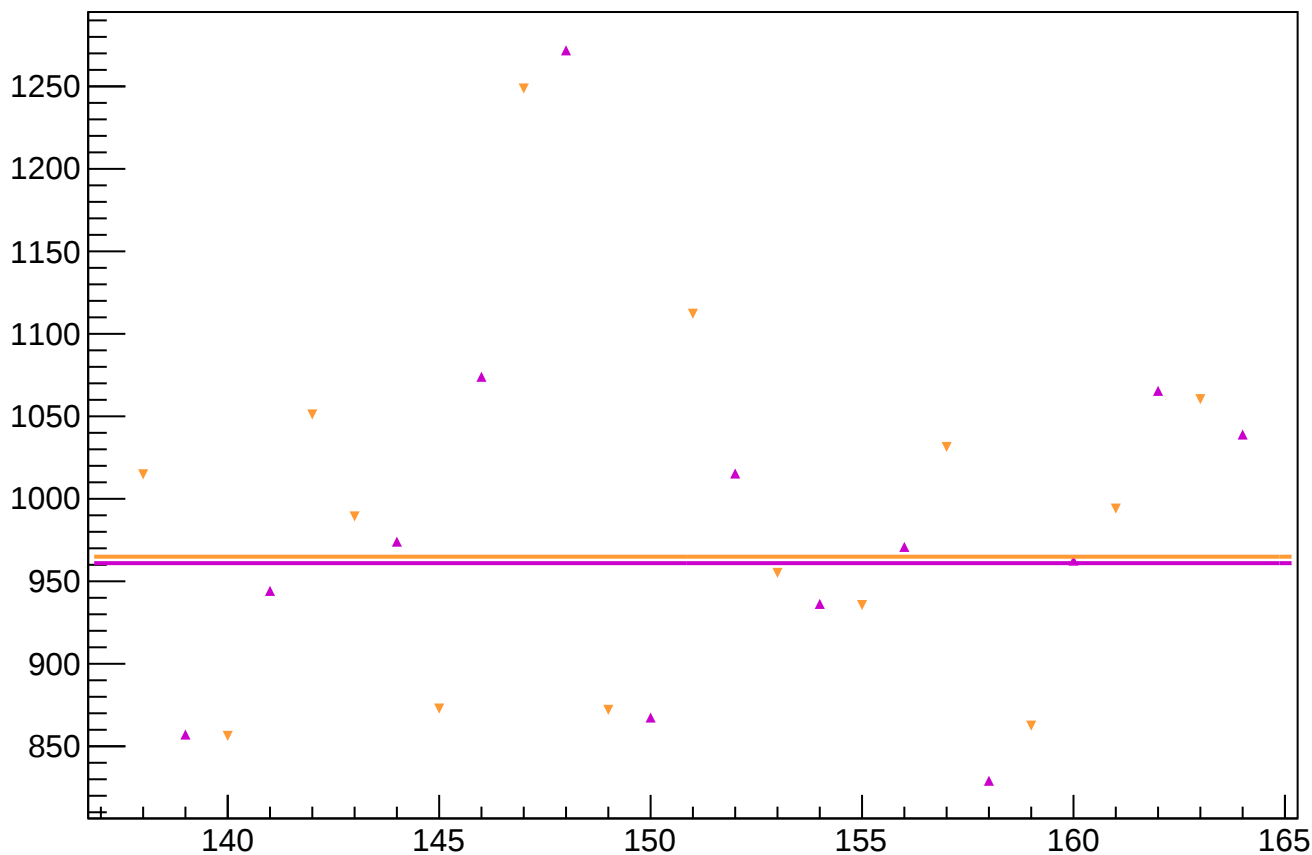
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 509.068 $\pm$ 301.665 χ^2 /NDF:23.7/12

Out: -477.297 $\pm$ 299.442 χ^2 /NDF:11.7/13

All: 12.238 $\pm$ 212.519 χ^2 /NDF: 40.8/26

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 964.909+/-0.212 χ^2/NDF :222763.6/13

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

Left In: 961.000+/-0.213 χ^2/NDF :222387.8/12

Left: 962.969+/-0.150 χ^2/NDF : 445320.6/26

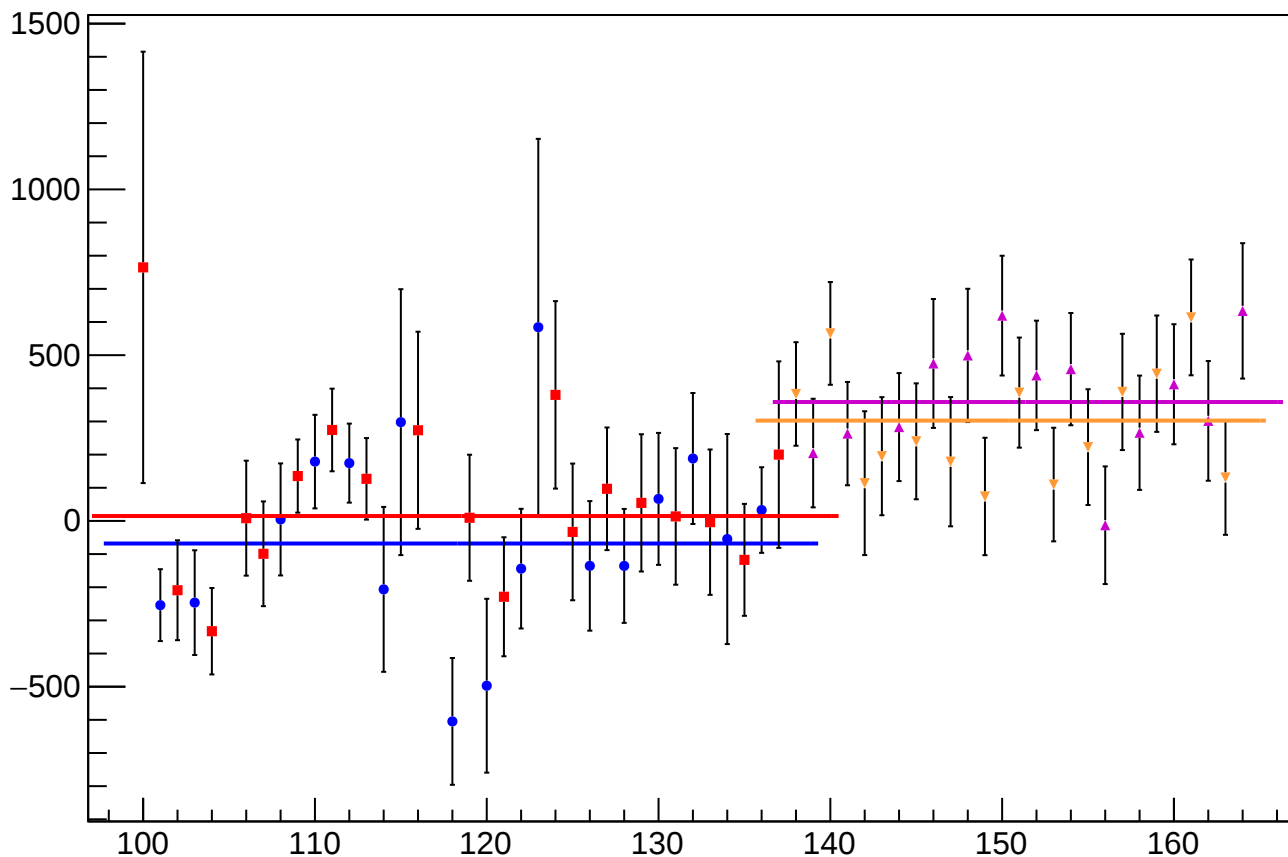
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 961.000+/-0.213 χ^2/NDF :222387.8/12

Out: 964.909+/-0.212 χ^2/NDF :222763.6/13

All: 962.969+/-0.150 χ^2/NDF : 445320.6/26

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 302.605 ± 46.592 $\chi^2/\text{NDF}: 13.3/13$

Right Out: 14.800 ± 39.467 $\chi^2/\text{NDF}: 23.1/18$

Left In: 358.670 ± 48.788 $\chi^2/\text{NDF}: 11.7/12$

Left: 329.347 ± 33.695 $\chi^2/\text{NDF}: 25.6/26$

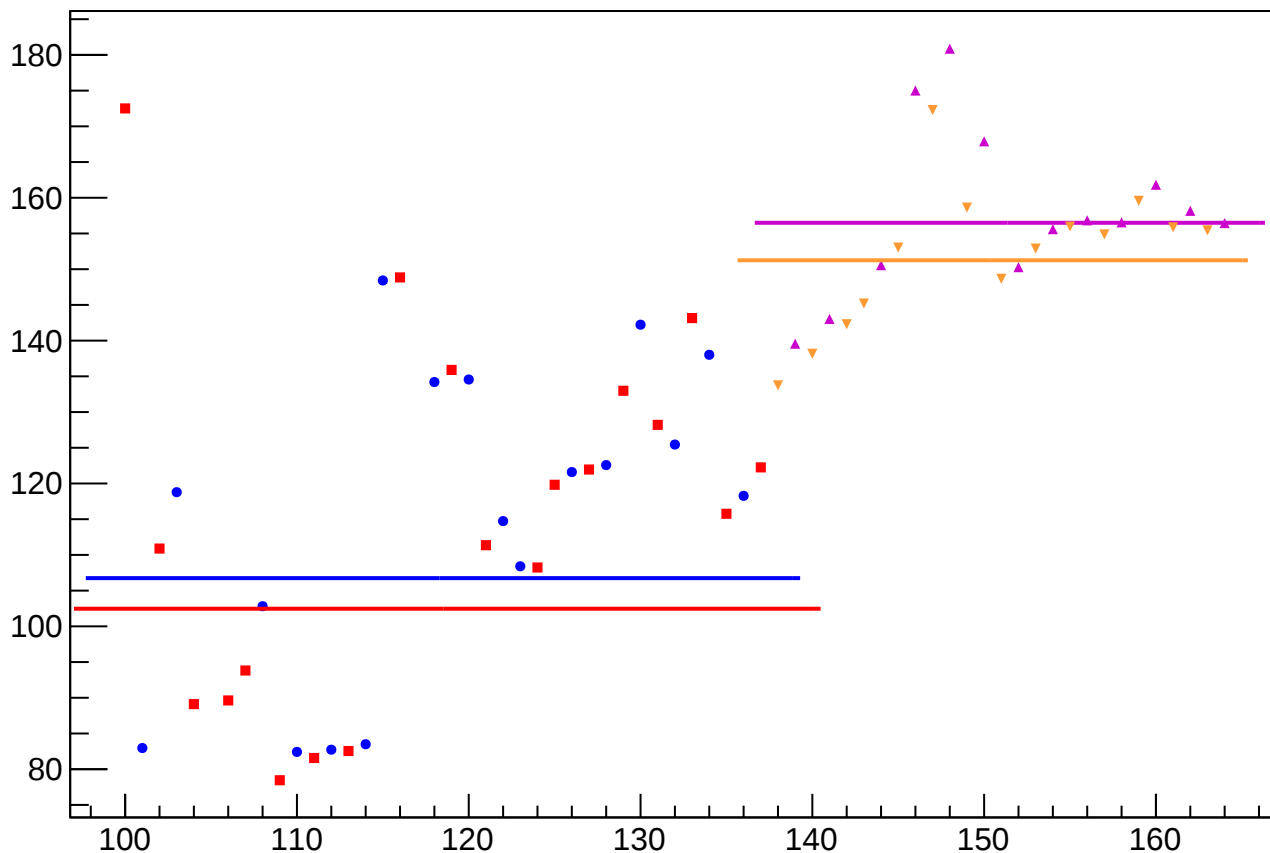
Right: -23.820 ± 28.846 $\chi^2/\text{NDF}: 53.0/35$

In: 114.861 ± 31.945 $\chi^2/\text{NDF}: 83.2/29$

Out: 135.036 ± 30.115 $\chi^2/\text{NDF}: 58.6/32$

All: 125.544 ± 21.913 $\chi^2/\text{NDF}: 142.0/62$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 151.247 $\pm$ 0.033 χ^2 /NDF: 82140.7/13

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

Left In: 156.499 $\pm$ 0.034 χ^2 /NDF: 99244.3/12

Left: 153.752 $\pm$ 0.024 χ^2 /NDF: 193506.8/26

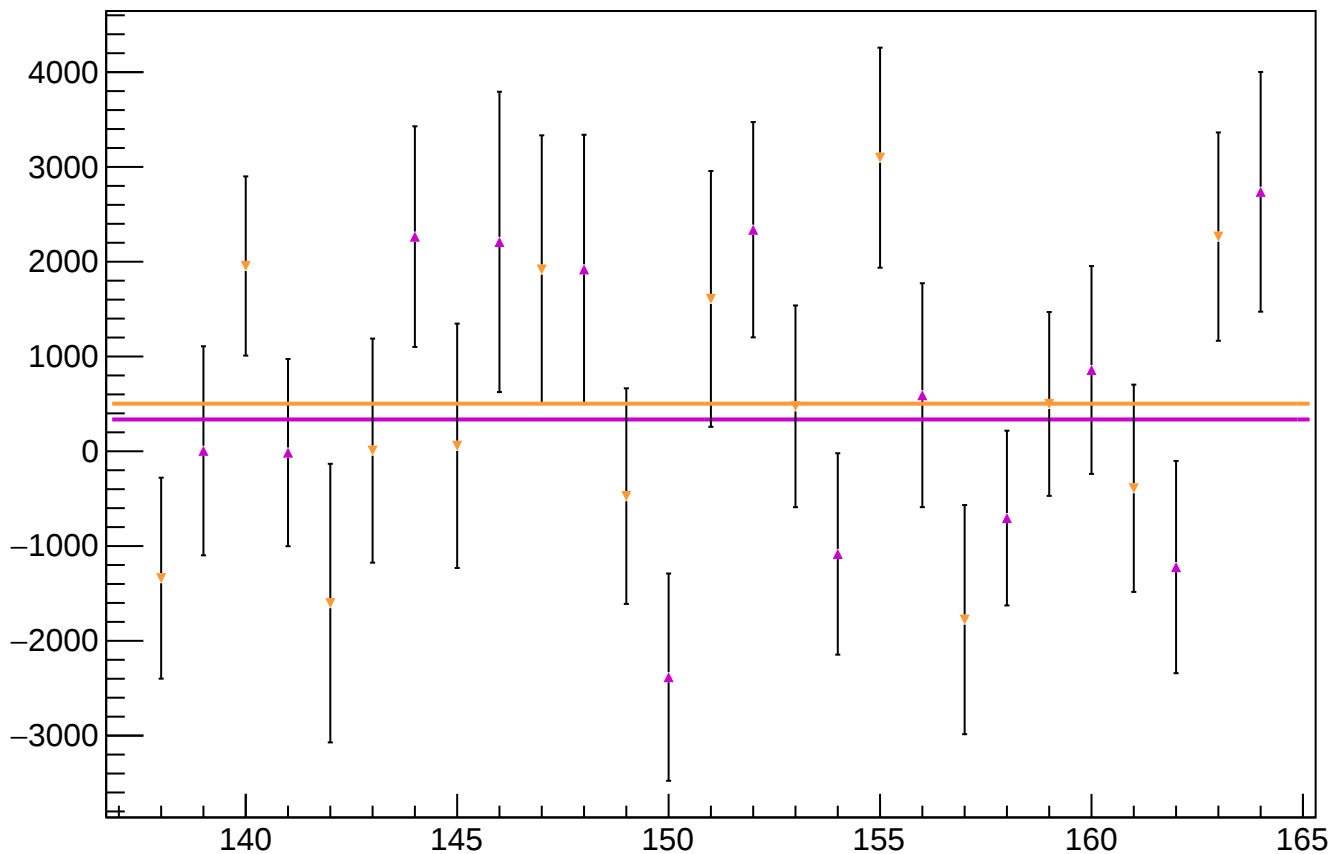
Right: 104.462 $\pm$ 0.020 χ^2 /NDF: 1102055.3/35

In: 128.078 $\pm$ 0.023 χ^2 /NDF: 1788992.3/29

Out: 122.846 $\pm$ 0.021 χ^2 /NDF: 1947892.9/32

All: 125.308 $\pm$ 0.015 χ^2 /NDF: 3765296.7/62

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 502.301+/-306.478 χ^2/NDF : 21.9/13

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

Left In: 335.643+/-314.293 χ^2/NDF : 23.8/12

Left: 421.070+/-219.423 χ^2/NDF : 45.8/26

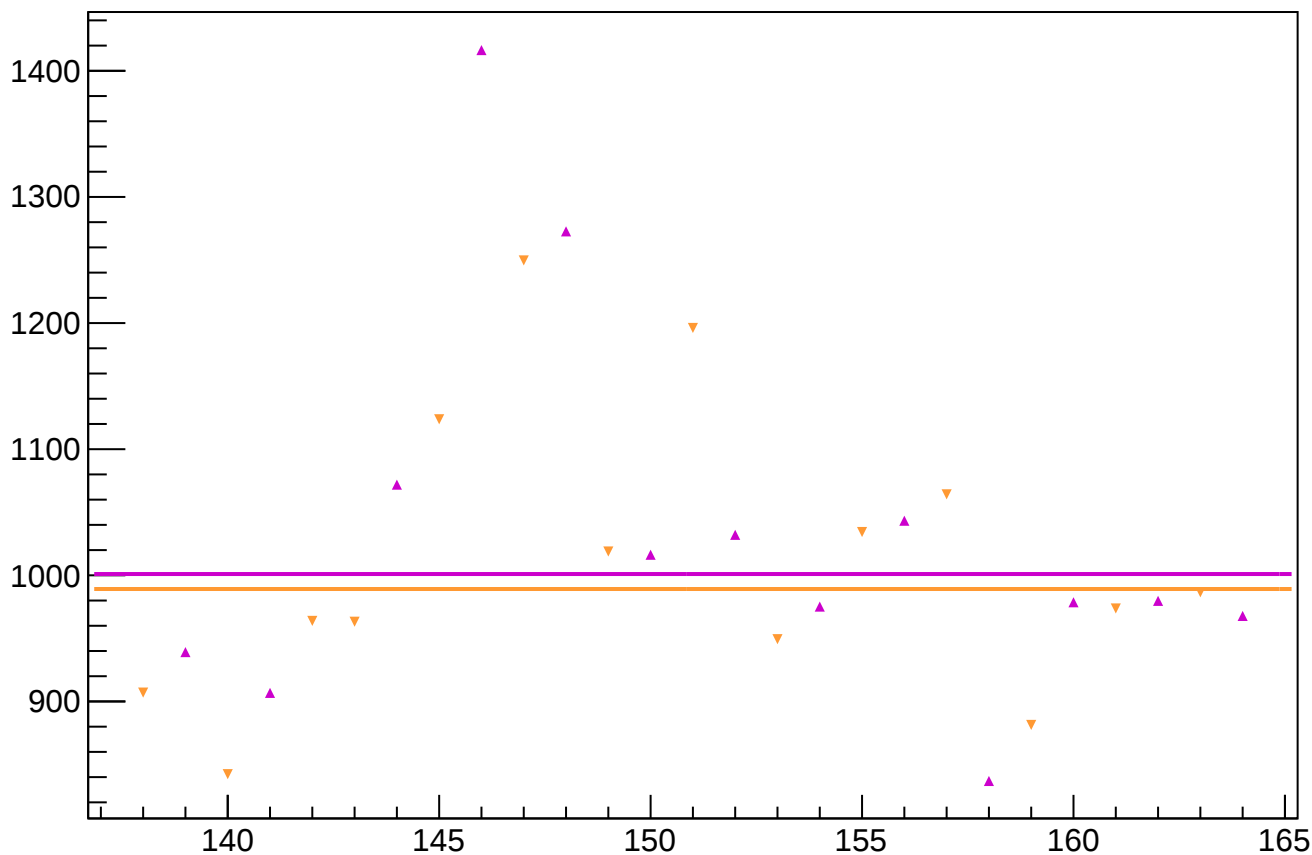
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 335.643+/-314.293 χ^2/NDF : 23.8/12

Out: 502.301+/-306.478 χ^2/NDF : 21.9/13

All: 421.070+/-219.423 χ^2/NDF : 45.8/26

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 989.152+/-0.217 χ^2/NDF :238319.8/13

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

Left In: 1001.025+/-0.222 χ^2/NDF :314485.4/12

Left: 994.939+/-0.155 χ^2/NDF : 554268.1/26

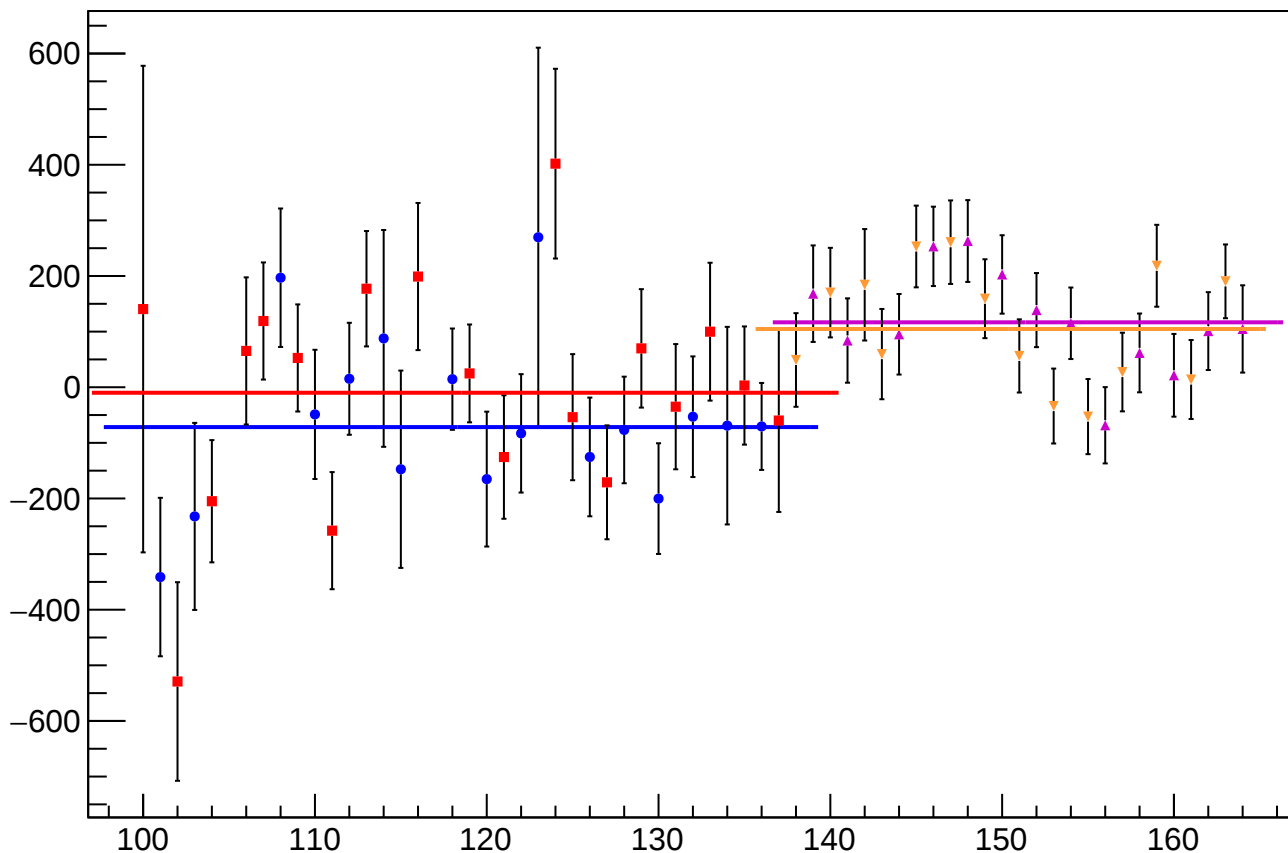
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1001.025+/-0.222 χ^2/NDF :314485.4/12

Out: 989.152+/-0.217 χ^2/NDF :238319.8/13

All: 994.939+/-0.155 χ^2/NDF : 554268.1/26

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 104.719 ± 19.652 $\chi^2/\text{NDF}: 28.1/13$

Right Out: -9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

Left In: 116.731 ± 19.975 $\chi^2/\text{NDF}: 19.4/12$

Left: 110.627 ± 14.009 $\chi^2/\text{NDF}: 47.7/26$

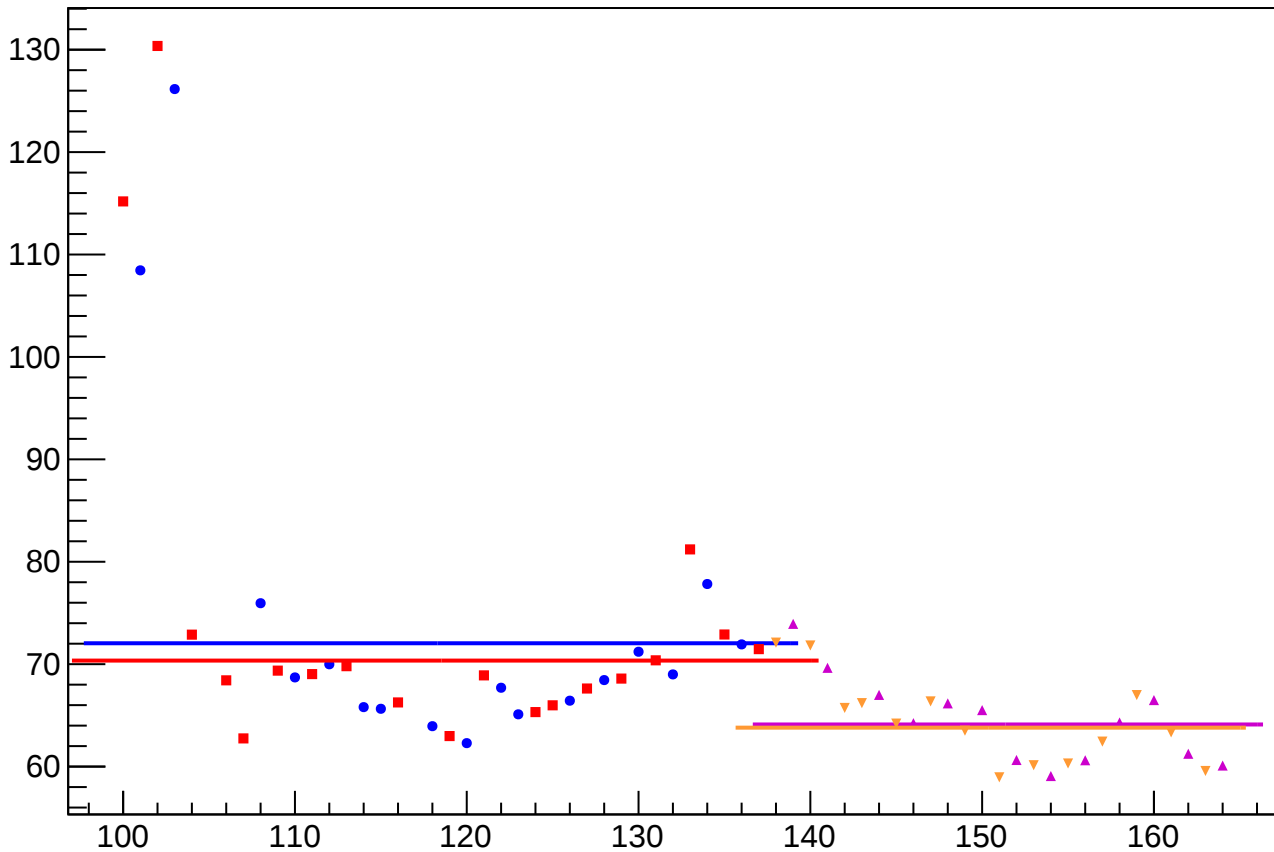
Right: -39.068 ± 19.484 $\chi^2/\text{NDF}: 54.2/35$

In: 54.252 ± 16.331 $\chi^2/\text{NDF}: 64.2/29$

Out: 64.664 ± 15.851 $\chi^2/\text{NDF}: 76.5/32$

All: 59.613 ± 11.374 $\chi^2/\text{NDF}: 140.9/62$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 63.801 $\pm$ 0.014 χ^2 /NDF: 79096.3/13

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

Left In: 64.112 $\pm$ 0.014 χ^2 /NDF: 75330.2/12

Left: 63.954 $\pm$ 0.010 χ^2 /NDF: 154672.9/26

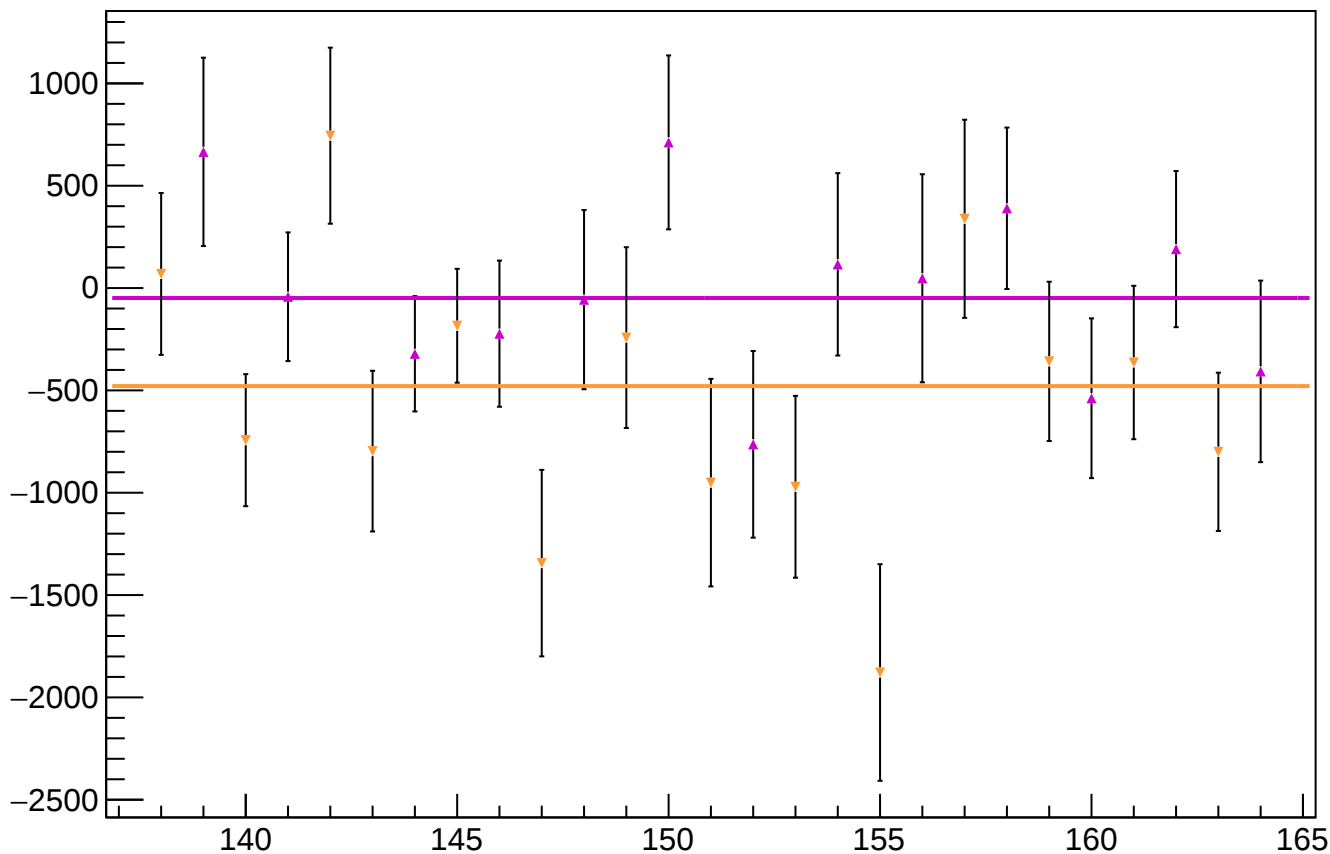
Right: 71.149 $\pm$ 0.014 χ^2 /NDF: 694733.5/35

In: 66.742 $\pm$ 0.012 χ^2 /NDF: 571833.1/29

Out: 66.090 $\pm$ 0.011 χ^2 /NDF: 455722.5/32

All: 66.406 $\pm$ 0.008 χ^2 /NDF: 1029198.5/62

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -478.900 ± 106.617 $\chi^2/\text{NDF}: 29.2/13$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -48.727 ± 108.654 $\chi^2/\text{NDF}: 13.3/12$

Left: -267.882 ± 76.100 $\chi^2/\text{NDF}: 50.4/26$

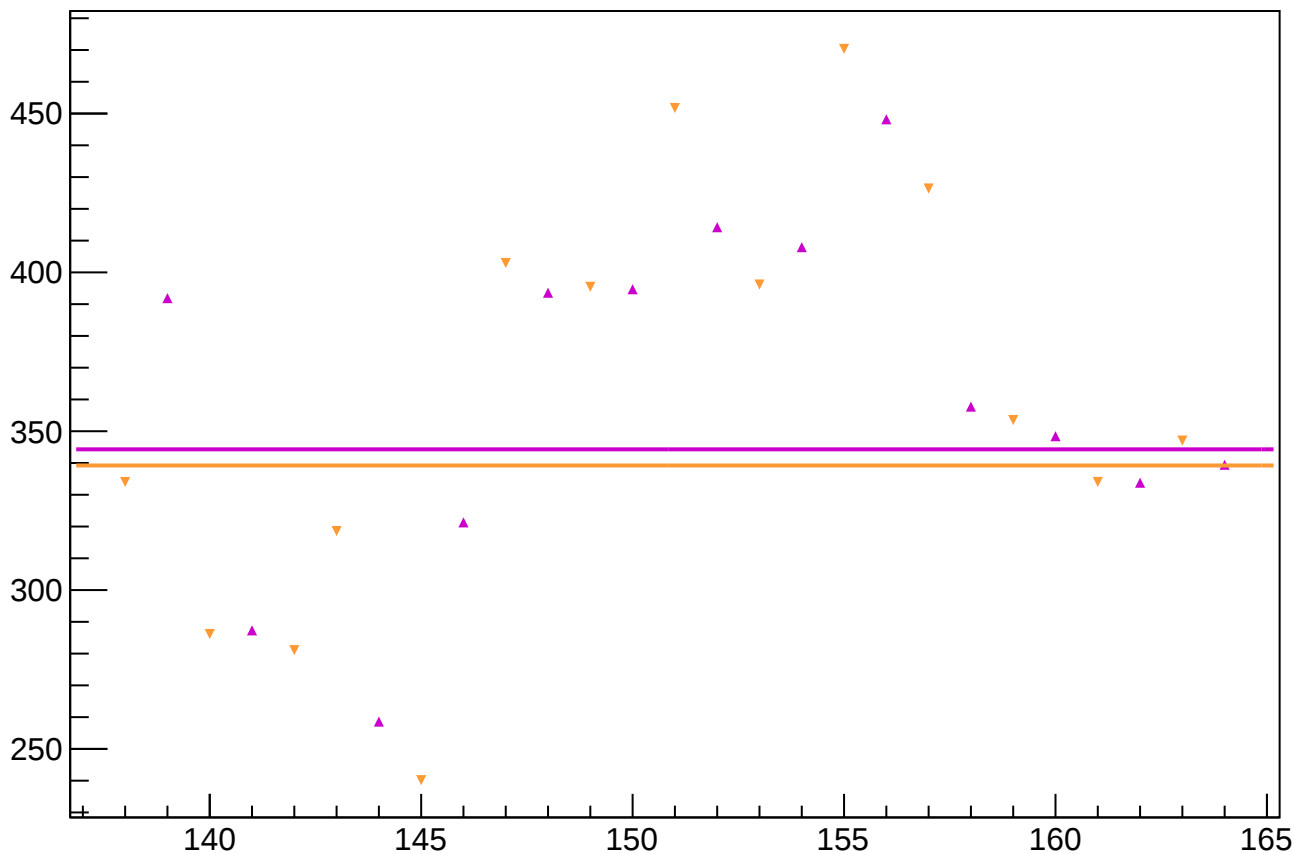
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -48.727 ± 108.654 $\chi^2/\text{NDF}: 13.3/12$

Out: -478.900 ± 106.617 $\chi^2/\text{NDF}: 29.2/13$

All: -267.882 ± 76.100 $\chi^2/\text{NDF}: 50.4/26$

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 339.221+/-0.075 χ^2/NDF : 744719.0/13

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

Left In: 344.299+/-0.077 χ^2/NDF : 509646.0/12

Left: 341.712+/-0.054 χ^2/NDF : 1256591.1/26

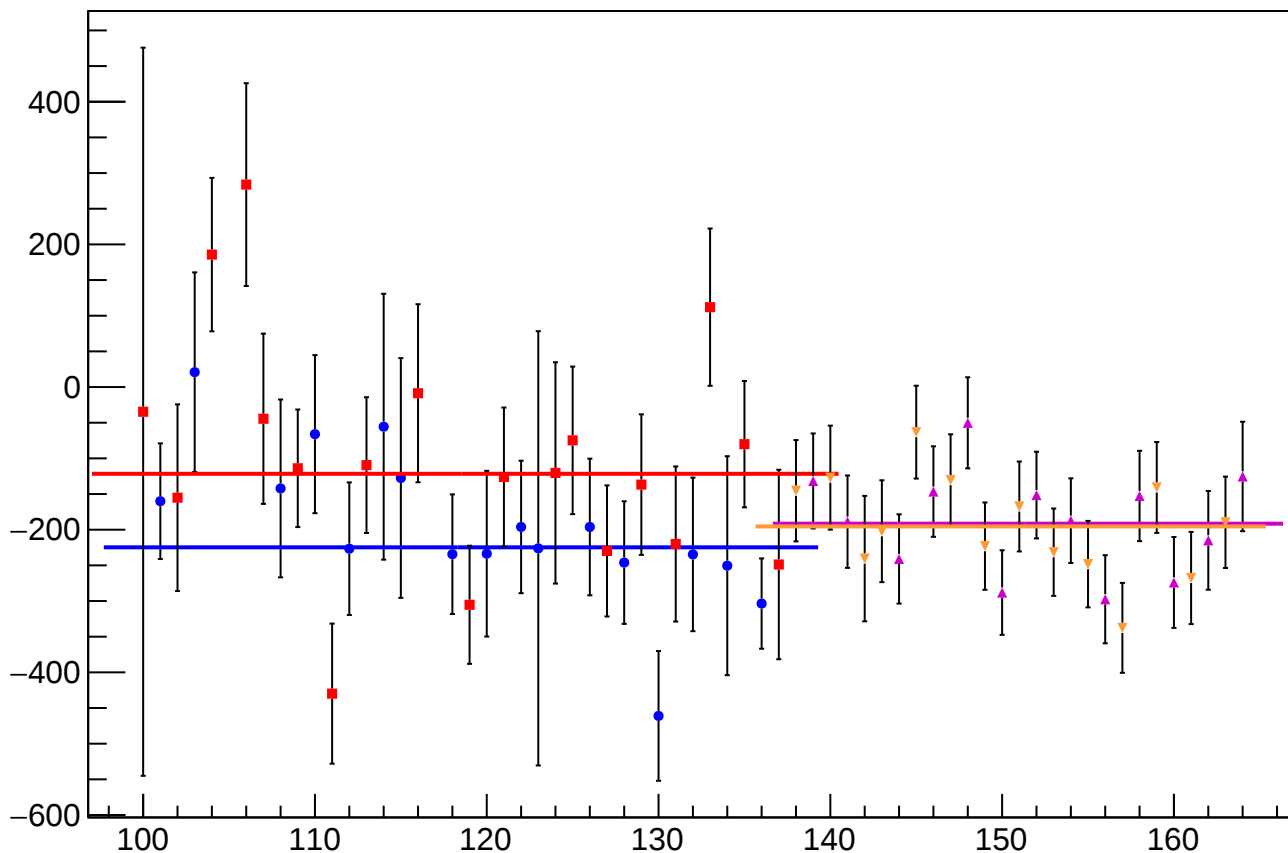
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 344.299+/-0.077 χ^2/NDF : 509646.0/12

Out: 339.221+/-0.075 χ^2/NDF : 744719.0/13

All: 341.712+/-0.054 χ^2/NDF : 1256591.1/26

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -195.442 ± 17.599 $\chi^2/\text{NDF}: 15.4/13$

Right Out: -121.633 ± 24.599 $\chi^2/\text{NDF}: 40.5/18$

Left In: -191.560 ± 17.713 $\chi^2/\text{NDF}: 15.8/12$

Left: -193.514 ± 12.484 $\chi^2/\text{NDF}: 31.2/26$

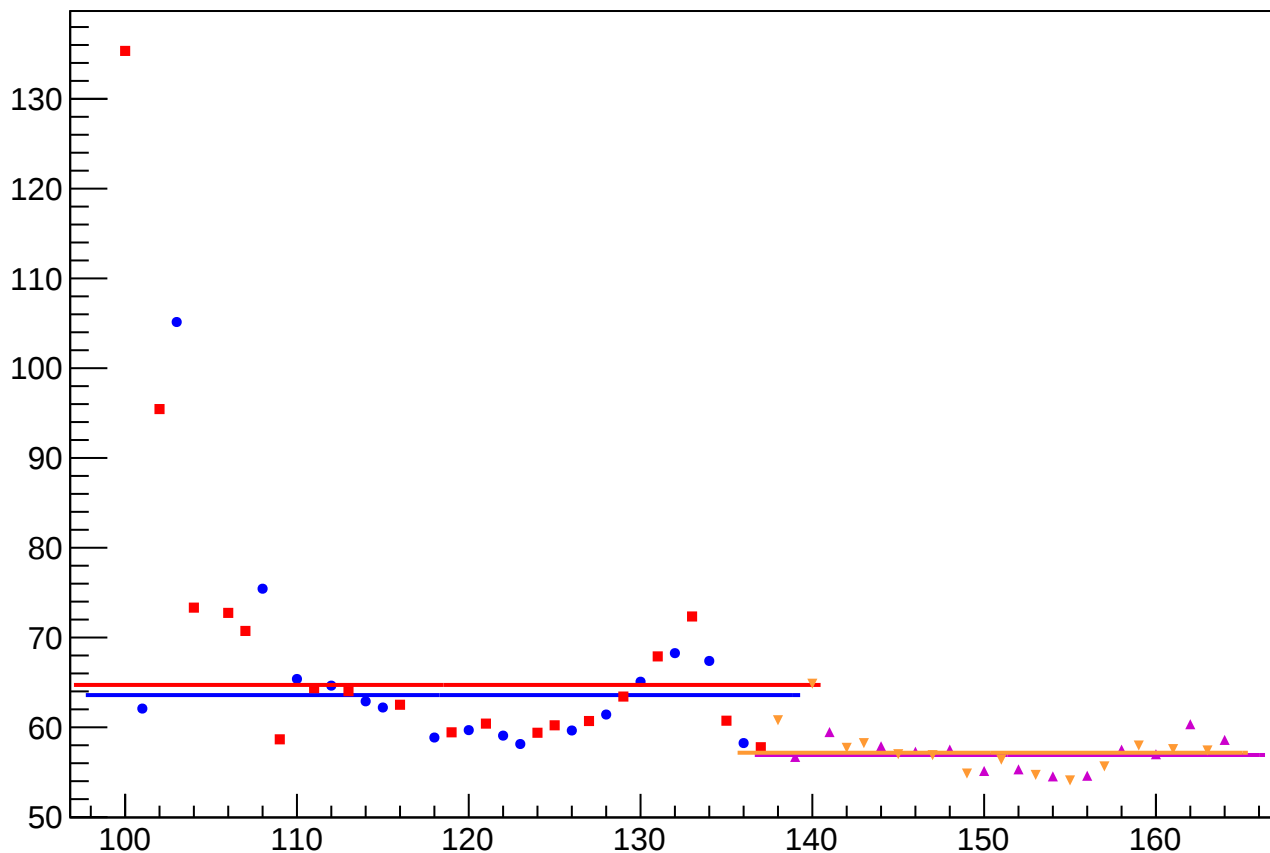
Right: -172.594 ± 17.493 $\chi^2/\text{NDF}: 65.1/35$

In: -202.716 ± 14.430 $\chi^2/\text{NDF}: 32.9/29$

Out: -170.455 ± 14.313 $\chi^2/\text{NDF}: 61.8/32$

All: -186.454 ± 10.162 $\chi^2/\text{NDF}: 97.3/62$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 57.168+/-0.012 χ^2/NDF : 41196.0/13

Right Out: 64.720+/-0.017 χ^2/NDF : 227506.4/18

Left In: 56.916+/-0.013 χ^2/NDF : 19107.6/12

Left: 57.043+/-0.009 χ^2/NDF : 60506.4/26

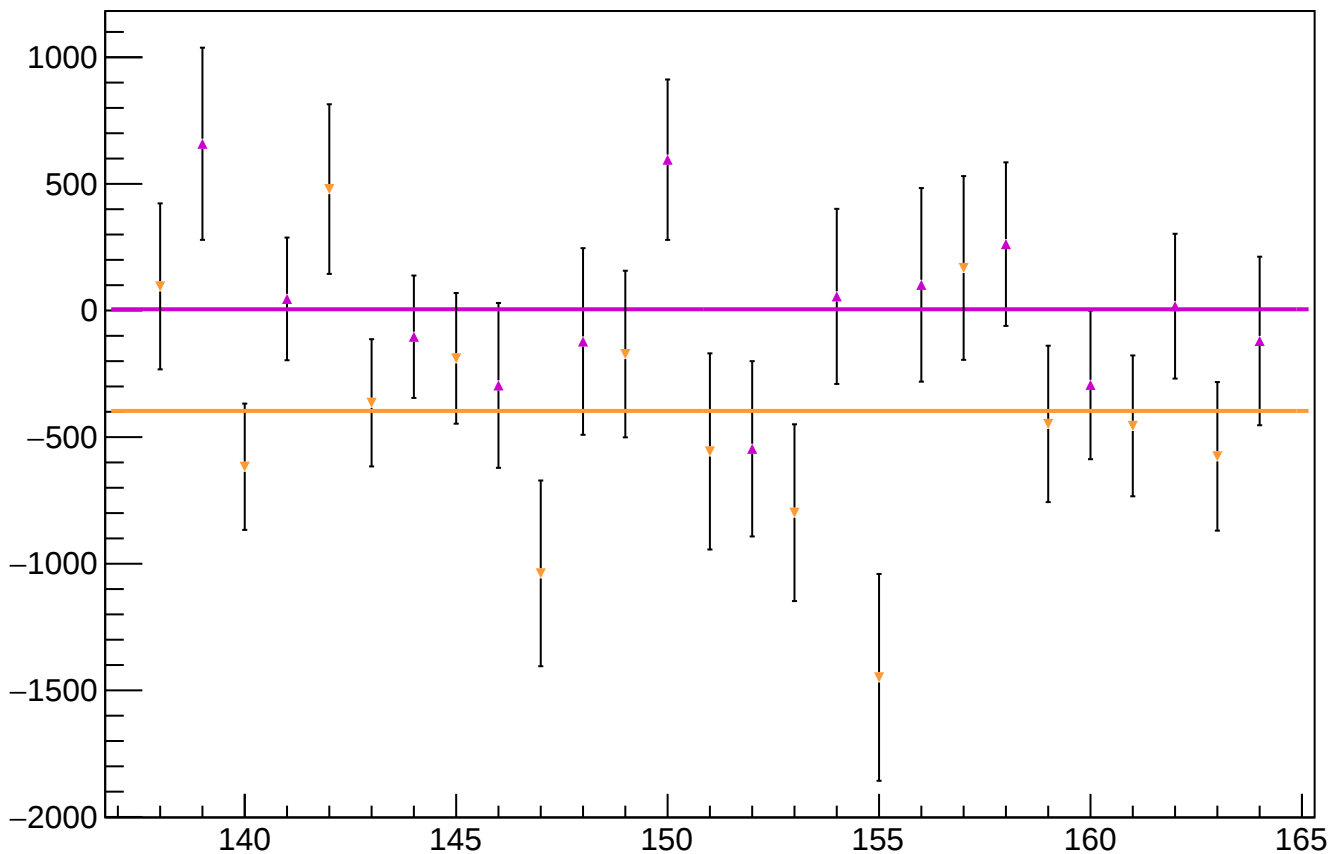
Right: 64.161+/-0.012 χ^2/NDF : 464197.3/35

In: 59.161+/-0.010 χ^2/NDF : 349172.5/29

Out: 59.725+/-0.010 χ^2/NDF : 393392.1/32

All: 59.445+/-0.007 χ^2/NDF : 744103.7/62

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -396.501+/-82.942 χ^2/NDF :25.1/13

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

Left In: 4.865+/-86.417 χ^2/NDF :12.1/12

Left: -204.051+/-59.840 χ^2/NDF : 48.4/26

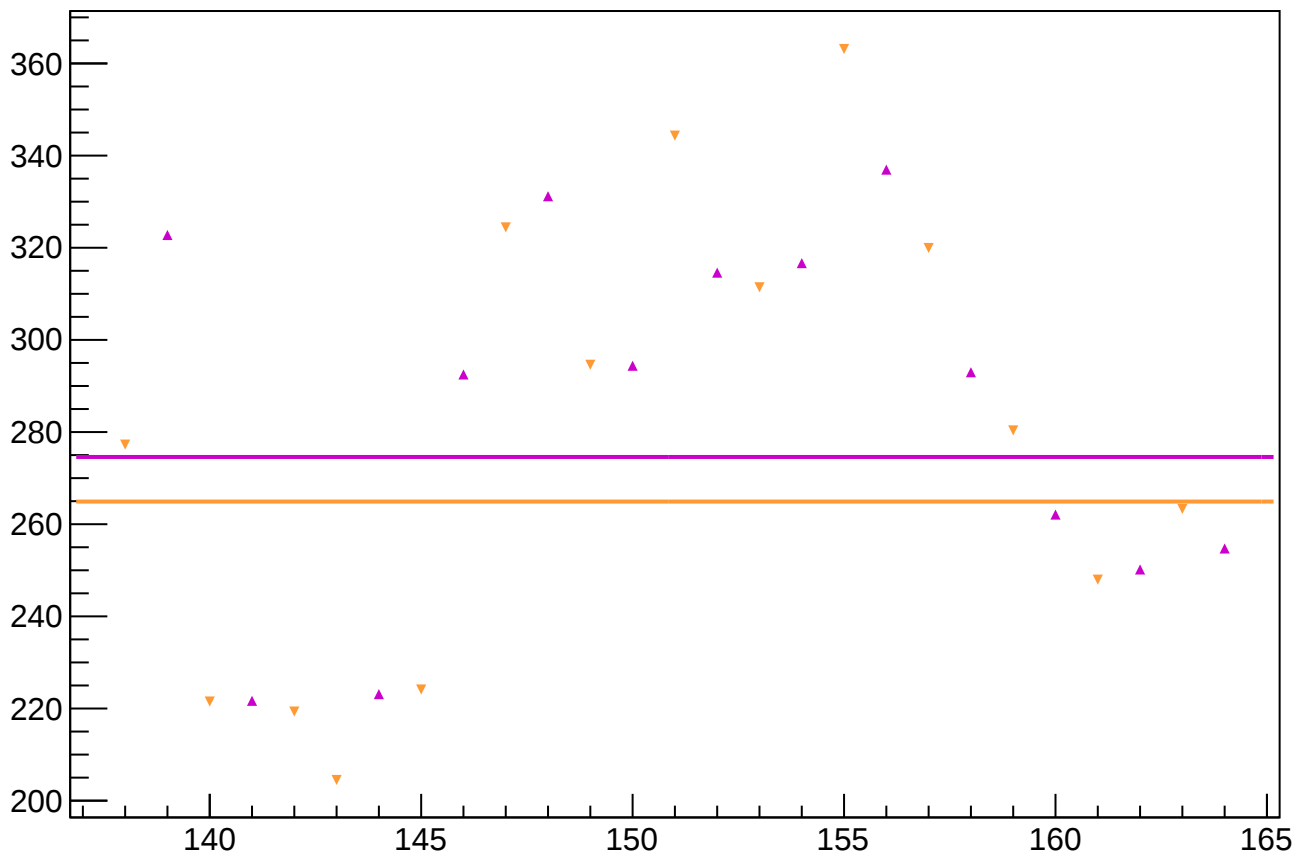
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4.865+/-86.417 χ^2/NDF :12.1/12

Out: -396.501+/-82.942 χ^2/NDF :25.1/13

All: -204.051+/-59.840 χ^2/NDF : 48.4/26

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 264.914+/-0.059 χ^2/NDF :628896.9/13

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

Left In: 274.594+/-0.061 χ^2/NDF :420866.1/12

Left: 269.556+/-0.042 χ^2/NDF : 1062825.0/26

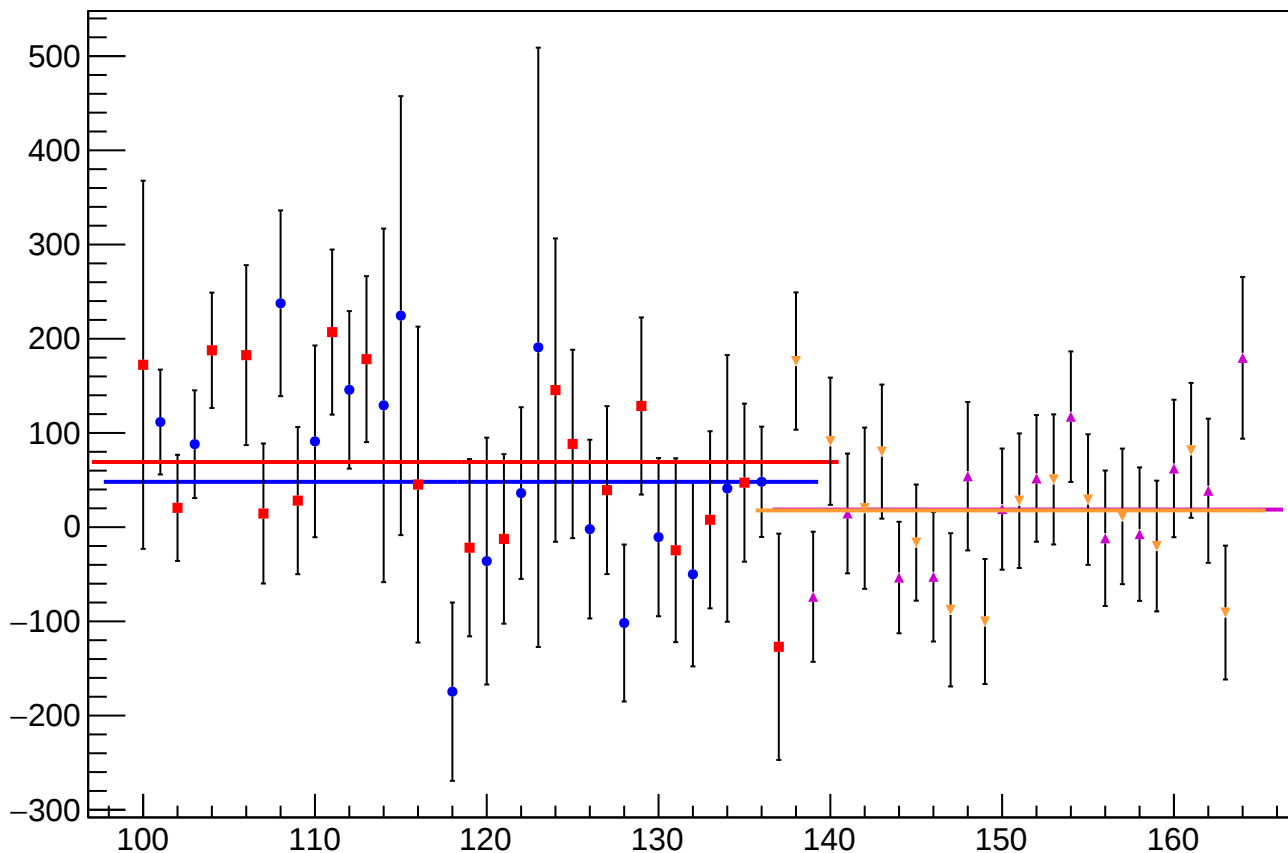
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 274.594+/-0.061 χ^2/NDF :420866.1/12

Out: 264.914+/-0.059 χ^2/NDF :628896.9/13

All: 269.556+/-0.042 χ^2/NDF : 1062825.0/26

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 17.809+/-18.931 χ^2/NDF :15.5/13

Right Out: 69.156+/-20.407 χ^2/NDF : 17.7/18

Left In: 18.658+/-19.340 χ^2/NDF :11.1/12

Left: 18.224+/-13.528 χ^2/NDF : 26.6/26

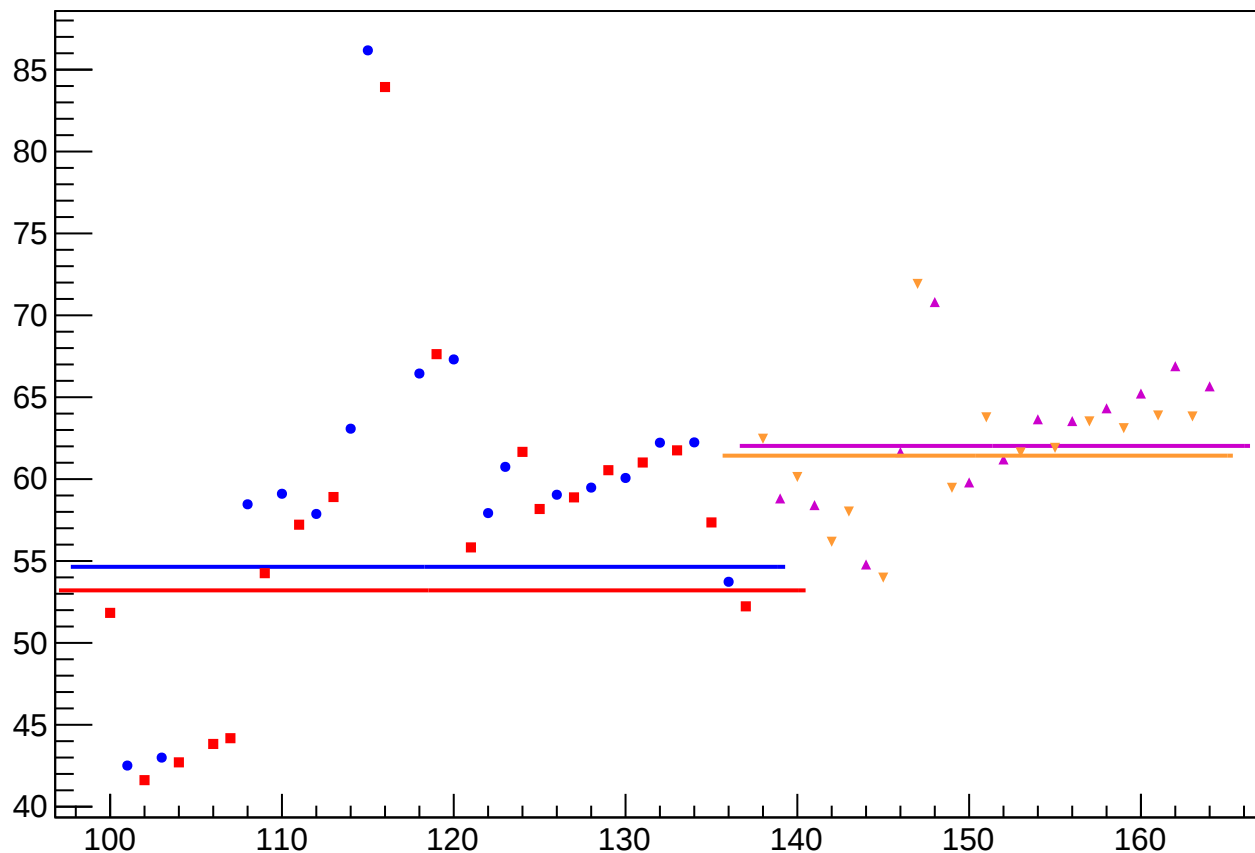
Right: 59.186+/-14.805 χ^2/NDF : 37.1/35

In: 31.823+/-14.382 χ^2/NDF :31.1/29

Out: 41.558+/-13.879 χ^2/NDF :36.6/32

All: 36.864+/-9.987 χ^2/NDF : 67.9/62

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: 61.432 $\pm$ 0.013 χ^2 /NDF: 87188.4/13

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

Left In: 62.027 $\pm$ 0.014 χ^2 /NDF: 87929.2/12

Left: 61.723 $\pm$ 0.010 χ^2 /NDF: 176084.2/26

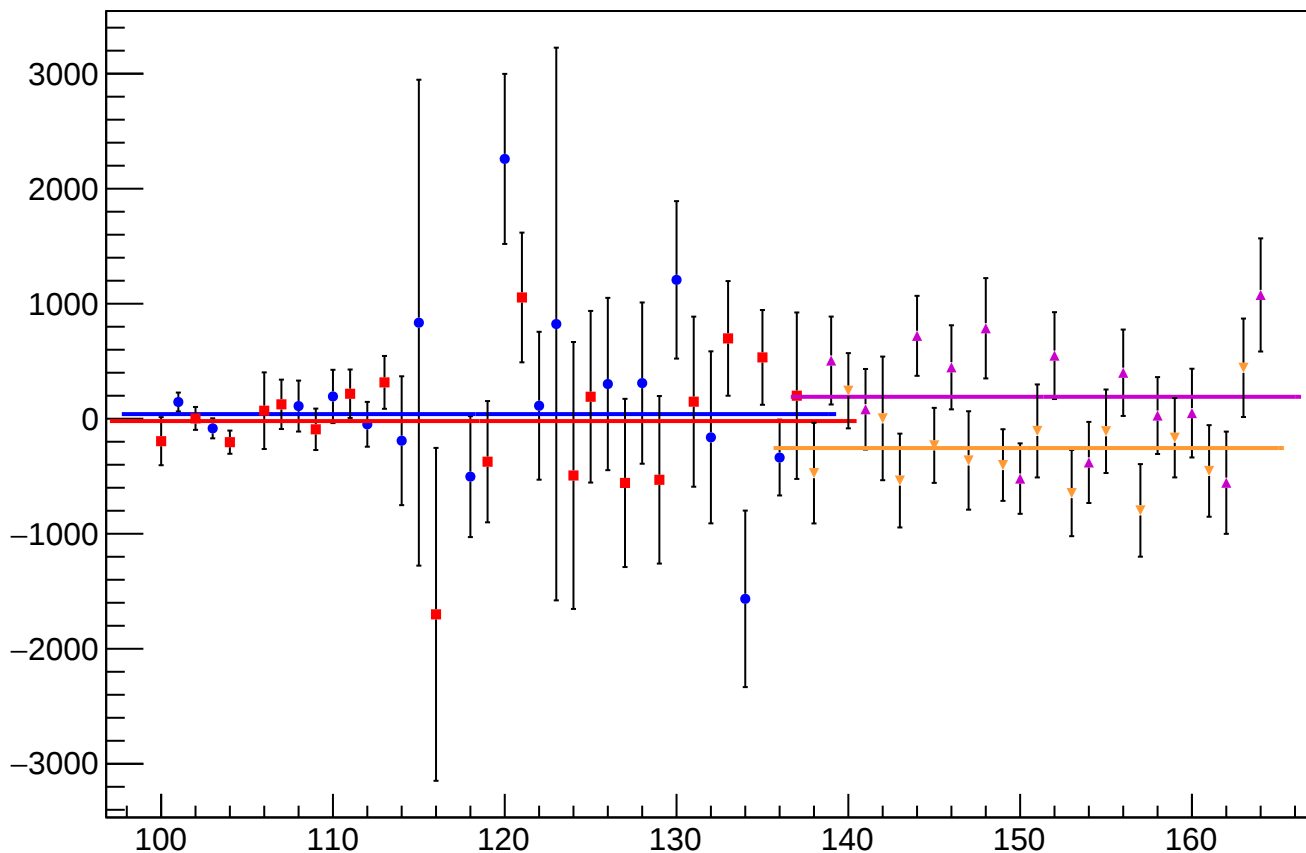
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 58.727 $\pm$ 0.010 χ^2 /NDF: 537503.7/29

Out: 57.628 $\pm$ 0.010 χ^2 /NDF: 648130.2/32

All: 58.158 $\pm$ 0.007 χ^2 /NDF: 1191684.8/62

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -254.788+/-101.850 χ^2/NDF : 9.8/13

Right Out: -20.232+/-53.274 χ^2/NDF : 18.9/18

Left In: 190.705+/-103.300 χ^2/NDF : 21.1/12

Left: -35.191+/-72.526 χ^2/NDF : 40.3/26

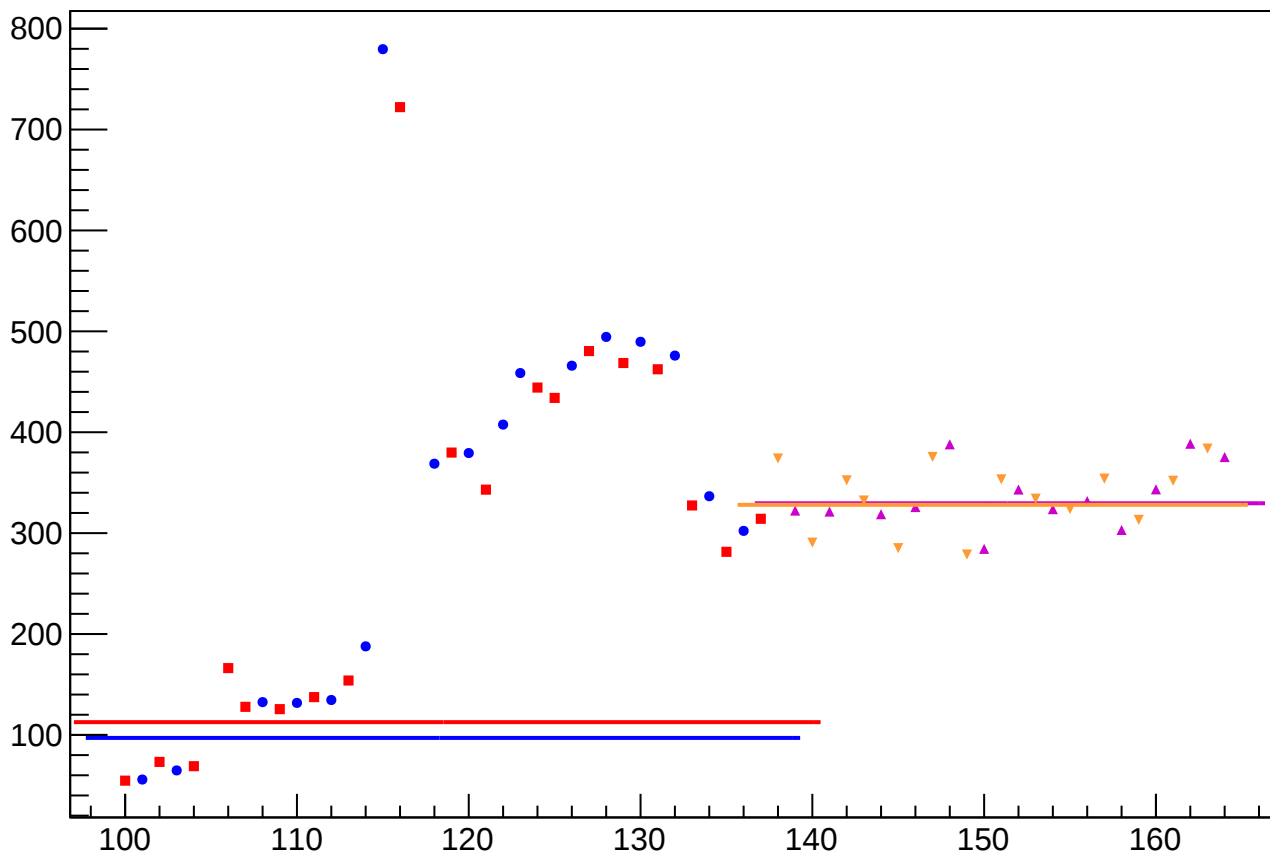
Right: 10.986+/-37.043 χ^2/NDF : 43.4/35

In: 70.206+/-46.120 χ^2/NDF : 46.7/29

Out: -70.620+/-47.206 χ^2/NDF : 32.8/32

All: 1.432+/-32.989 χ^2/NDF : 84.1/62

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 328.075+/-0.072 χ^2/NDF : 223715.4/13

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

Left In: 329.598+/-0.073 χ^2/NDF : 154307.9/12

Left: 328.826+/-0.051 χ^2/NDF : 378243.9/26

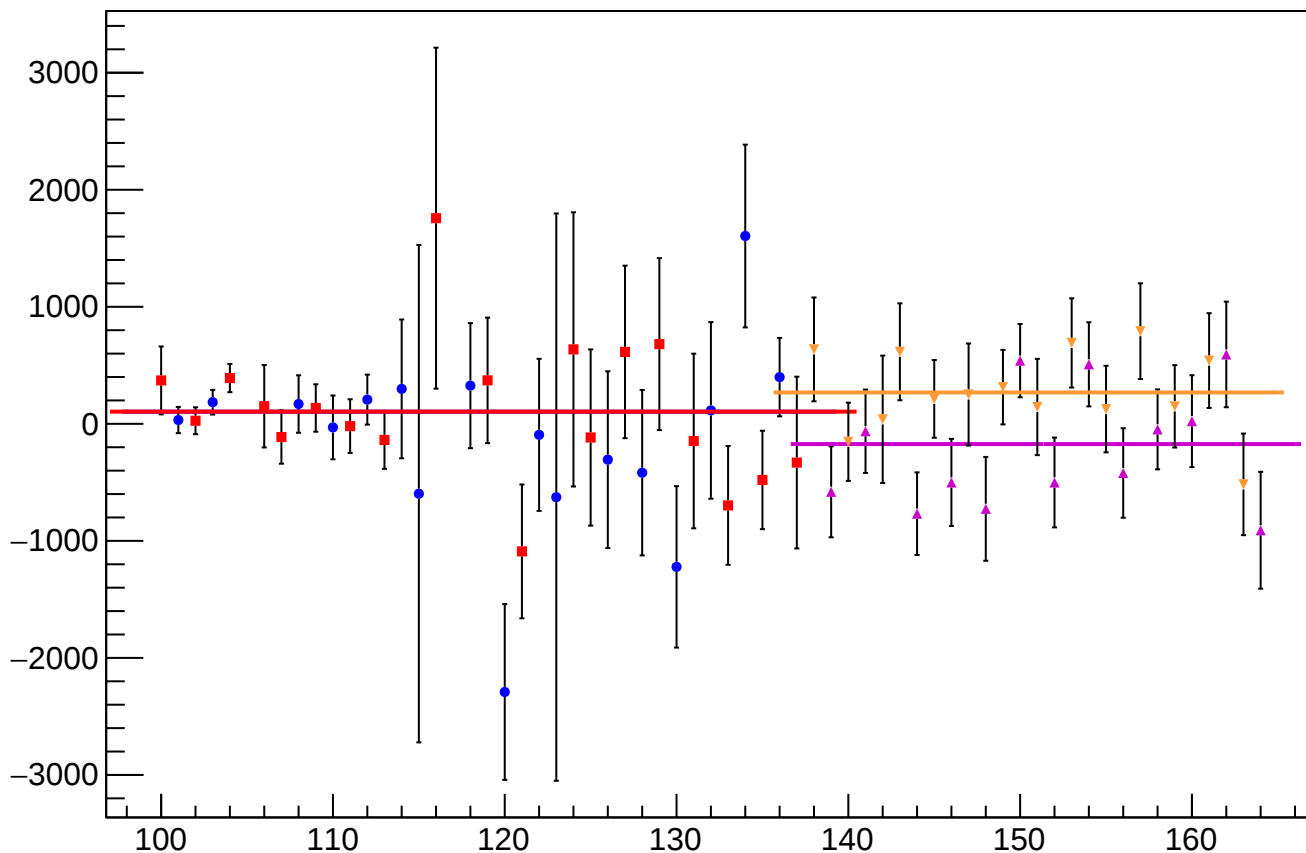
Right: 104.588+/-0.026 χ^2/NDF : 10944761.2/35

In: 143.395+/-0.033 χ^2/NDF : 14090111.6/29

Out: 158.931+/-0.033 χ^2/NDF : 12285141.4/32

All: 150.982+/-0.023 χ^2/NDF : 26486077.5/62

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 268.203 $\pm$ 103.684 χ^2 /NDF:10.2/13

Right Out: 104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

Left In: -172.892 $\pm$ 105.174 χ^2 /NDF:21.7/12

Left: 50.803 $\pm$ 73.837 χ^2 /NDF: 40.8/26

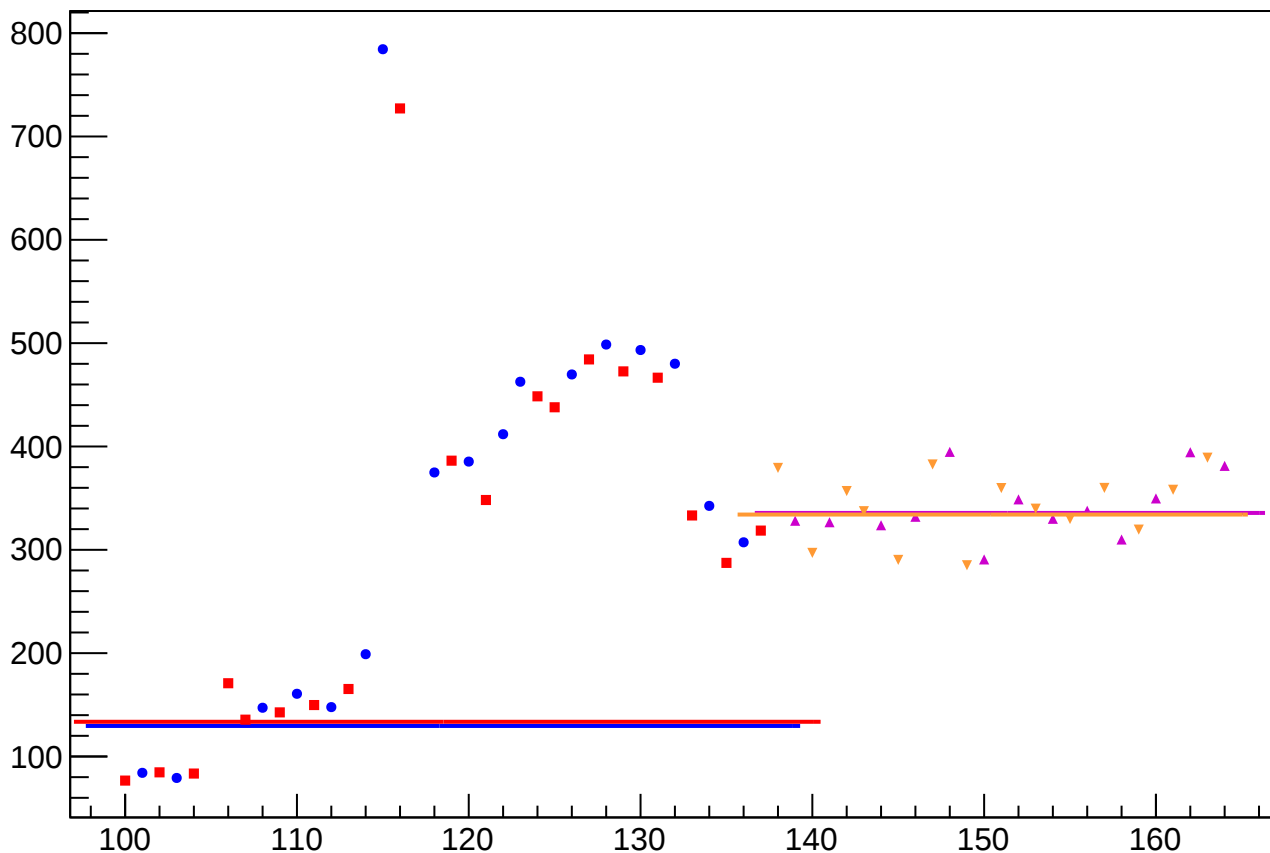
Right: 104.073 $\pm$ 43.823 χ^2 /NDF: 42.6/35

In: 30.617 $\pm$ 54.144 χ^2 /NDF:48.1/29

Out: 146.178 $\pm$ 52.484 χ^2 /NDF:33.4/32

All: 90.197 $\pm$ 37.685 χ^2 /NDF: 83.8/62

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 334.135 $\pm$ 0.073 χ^2 /NDF:215197.7/13

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

Left In: 335.699 $\pm$ 0.074 χ^2 /NDF:148681.3/12

Left: 334.906 $\pm$ 0.052 χ^2 /NDF: 364103.3/26

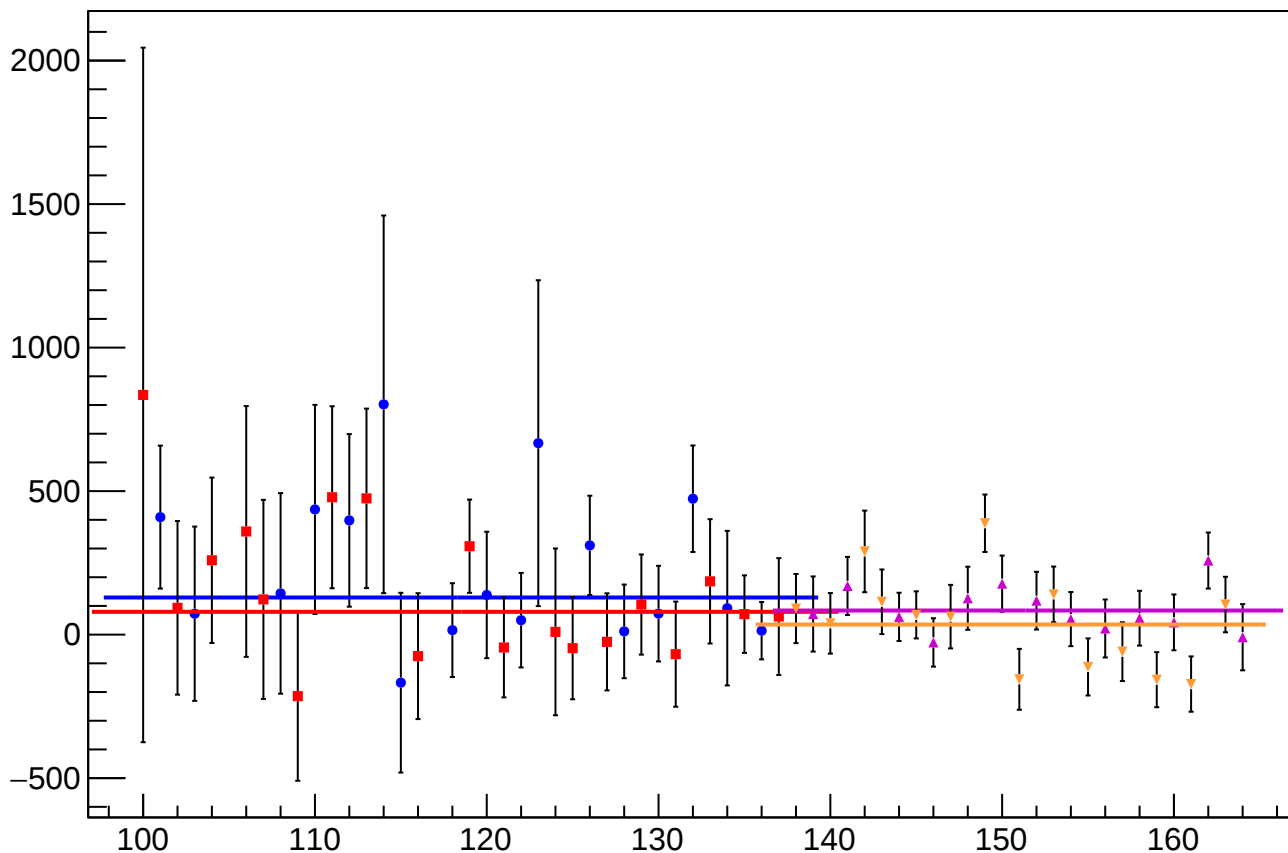
Right: 131.647 $\pm$ 0.031 χ^2 /NDF: 9142947.8/35

In: 184.186 $\pm$ 0.038 χ^2 /NDF:10568404.7/29

Out: 184.978 $\pm$ 0.037 χ^2 /NDF:10146357.8/32

All: 184.595 $\pm$ 0.027 χ^2 /NDF: 20714983.4/62

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: 35.254 $\pm$ 27.396 χ^2 /NDF:33.2/13

Right Out: 79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

Left In: 84.035 $\pm$ 27.419 χ^2 /NDF:8.3/12

Left: 59.625 $\pm$ 19.380 χ^2 /NDF: 43.1/26

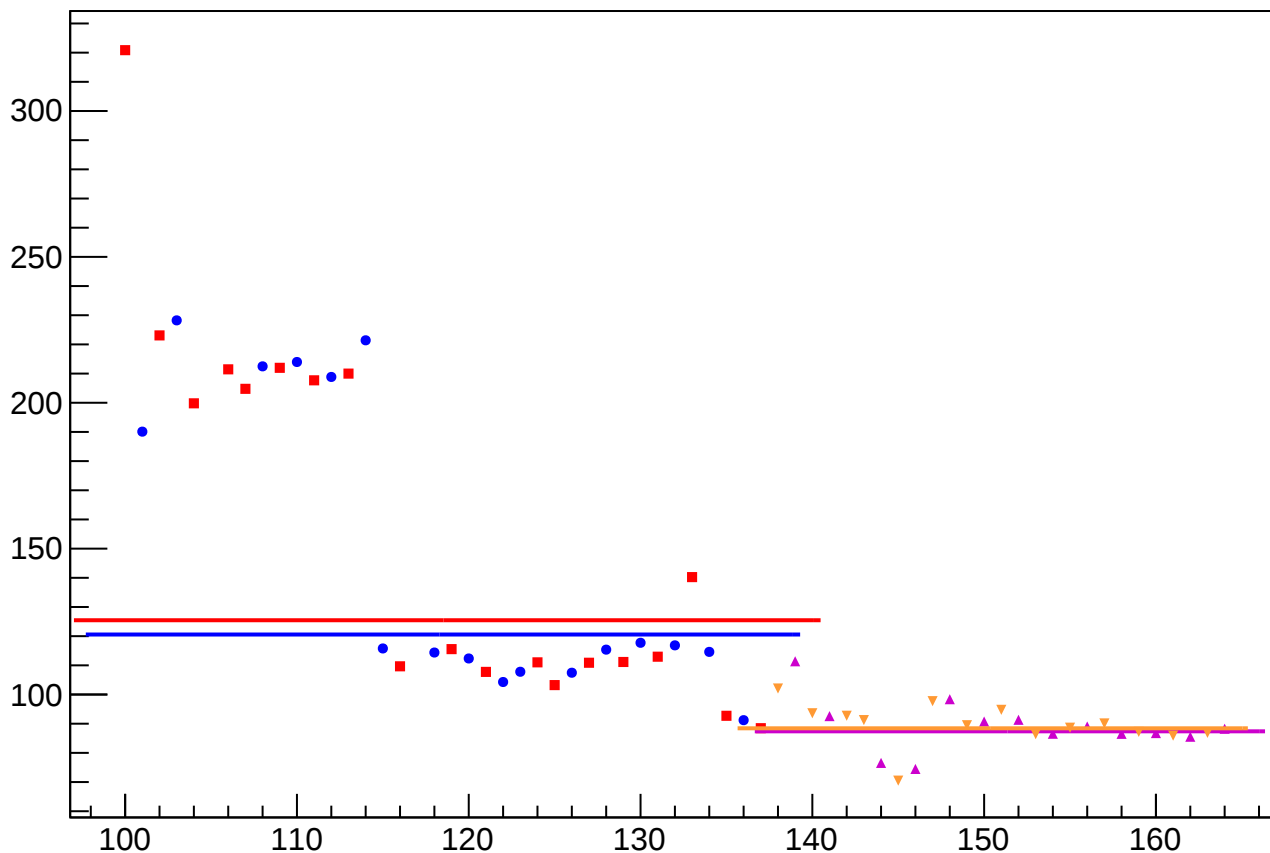
Right: 104.826 $\pm$ 35.001 χ^2 /NDF: 23.7/35

In: 94.811 $\pm$ 23.941 χ^2 /NDF:21.8/29

Out: 45.502 $\pm$ 24.013 χ^2 /NDF:44.1/32

All: 70.230 $\pm$ 16.954 χ^2 /NDF: 68.0/62

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 88.420 $\pm$ 0.019 χ^2 /NDF:154164.5/13

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

Left In: 87.386 $\pm$ 0.019 χ^2 /NDF:179679.6/12

Left: 87.903 $\pm$ 0.014 χ^2 /NDF: 335268.5/26

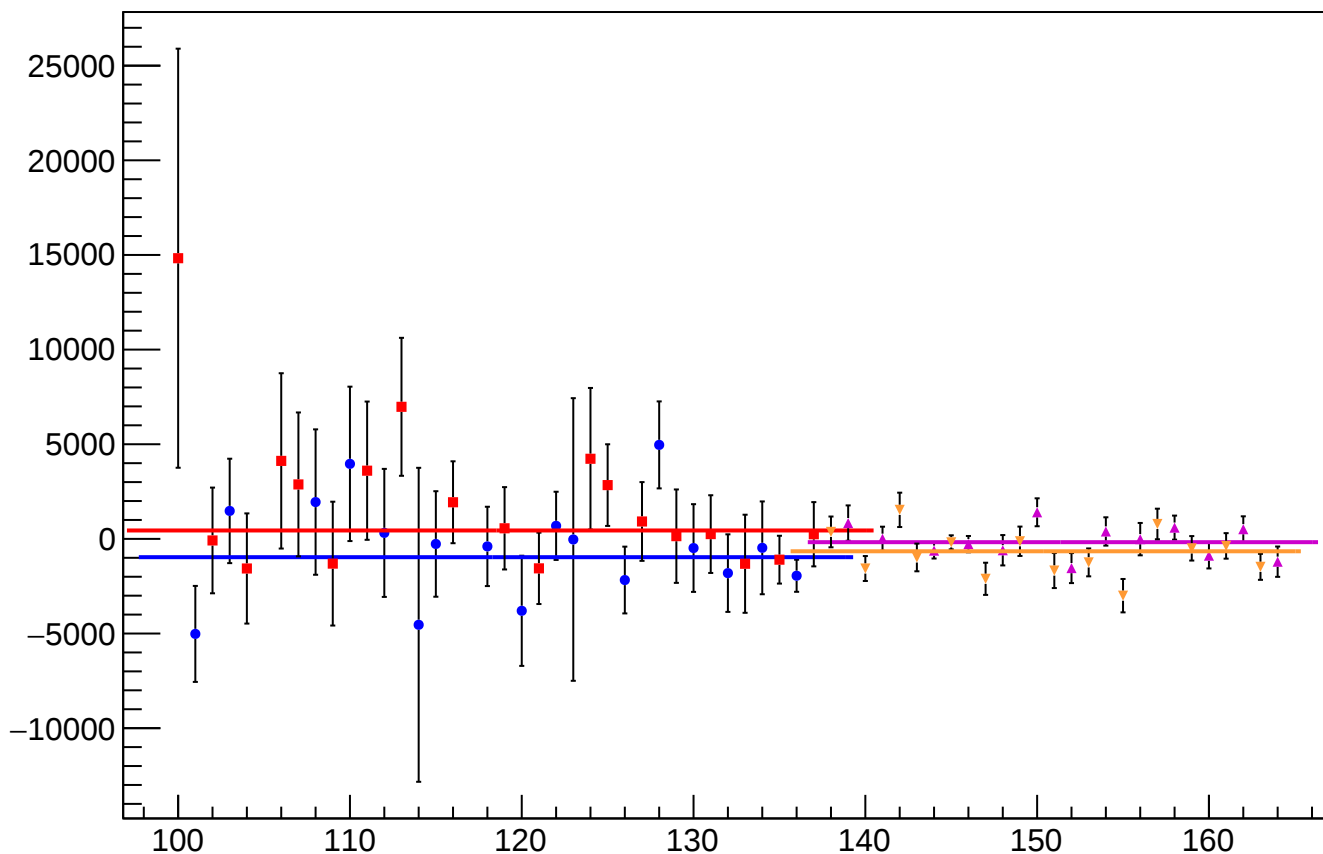
Right: 122.974 $\pm$ 0.025 χ^2 /NDF: 2455600.4/35

In: 95.268 $\pm$ 0.017 χ^2 /NDF:1987471.8/29

Out: 97.002 $\pm$ 0.017 χ^2 /NDF:2334956.8/32

All: 96.132 $\pm$ 0.012 χ^2 /NDF: 4327663.0/62

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -655.198+/-183.331 χ^2/NDF : 28.3/13

Right Out: 444.406+/-545.370 χ^2/NDF : 13.4/18

Left In: -174.004+/-178.814 χ^2/NDF : 16.2/12

Left: -408.599+/-128.008 χ^2/NDF : 48.0/26

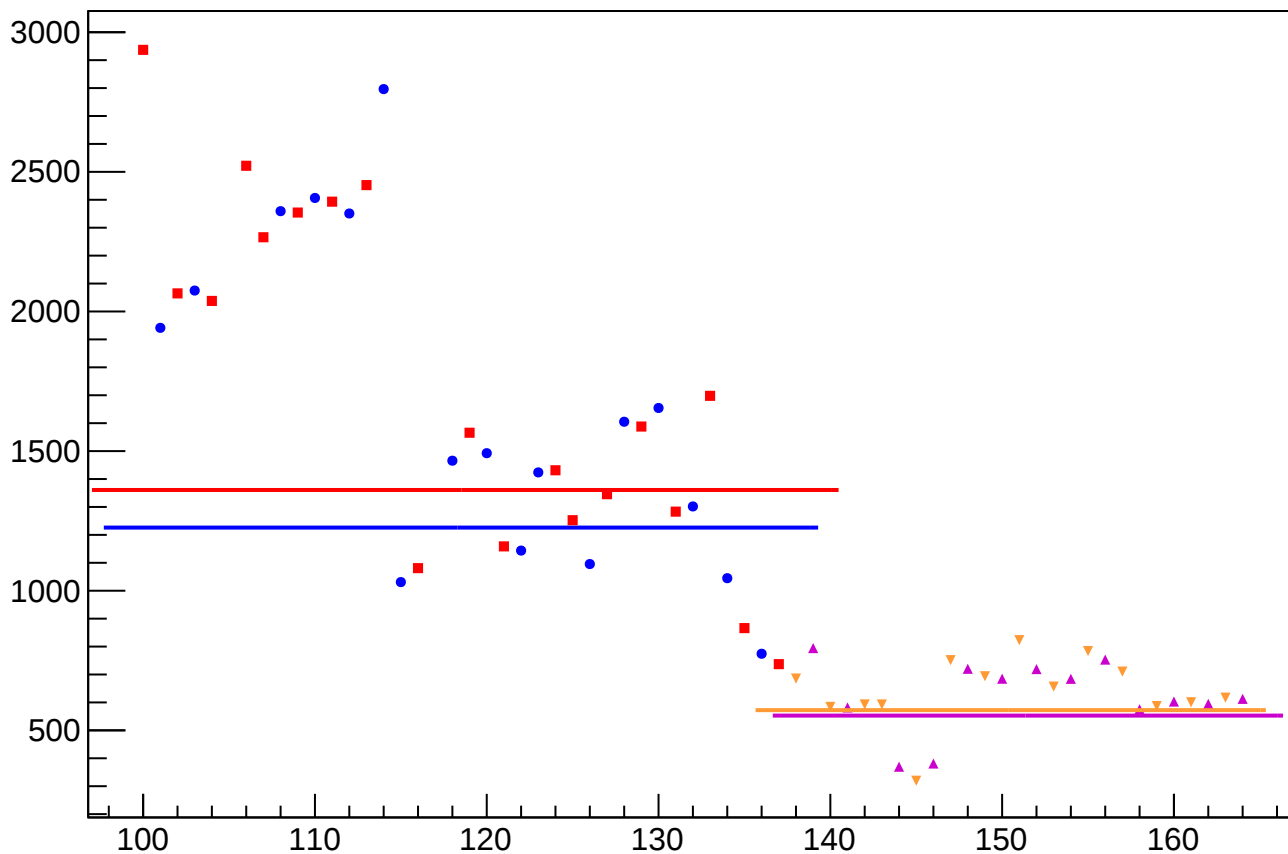
Right: -305.110+/-373.410 χ^2/NDF : 33.3/35

In: -260.065+/-168.827 χ^2/NDF : 34.7/29

Out: -543.556+/-173.775 χ^2/NDF : 45.3/32

All: -397.716+/-121.090 χ^2/NDF : 81.4/62

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 572.315+/-0.130 χ^2/NDF : 1467351.3/13

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

Left In: 552.832+/-0.126 χ^2/NDF : 1285480.9/12

Left: 562.330+/-0.091 χ^2/NDF : 2764408.2/26

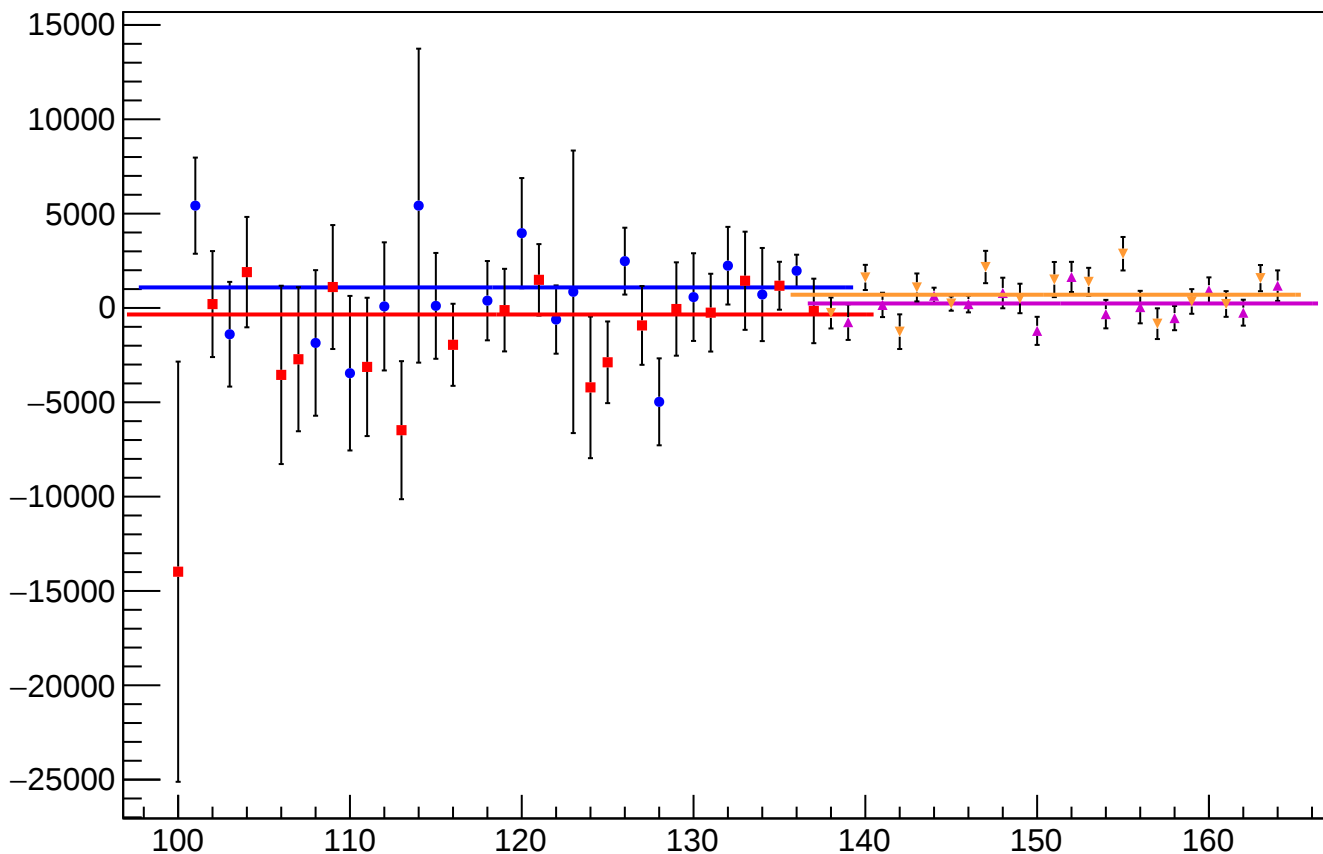
Right: 1289.252+/-0.264 χ^2/NDF : 3570145.2/35

In: 625.942+/-0.119 χ^2/NDF : 6120841.7/29

Out: 652.367+/-0.123 χ^2/NDF : 6972243.6/32

All: 638.773+/-0.086 χ^2/NDF : 13116876.9/62

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 701.428+/-185.879 χ^2/NDF :26.2/13

Right Out: -345.640+/-548.191 χ^2/NDF : 12.5/18

Left In: 237.998+/-181.375 χ^2/NDF :14.4/12

Left: 464.031+/-129.815 χ^2/NDF : 43.7/26

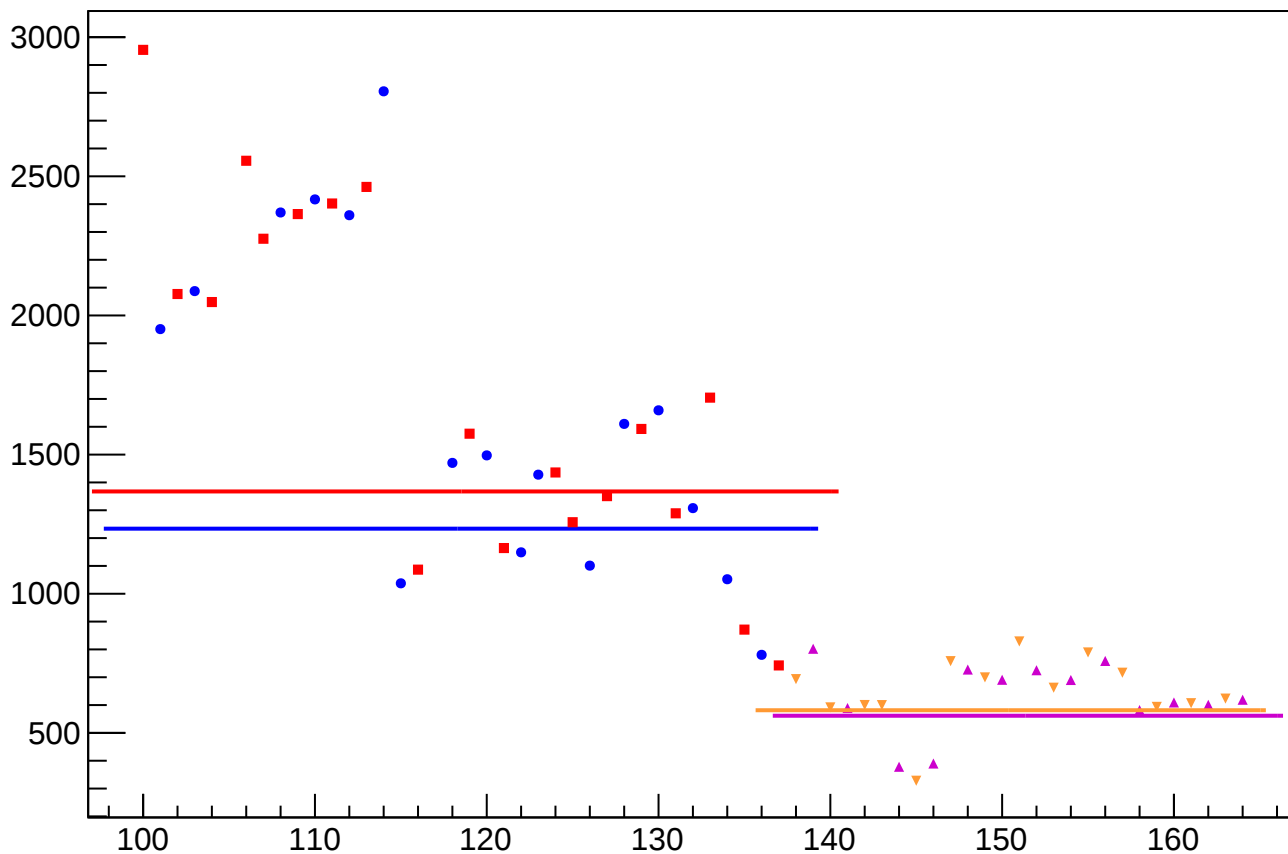
Right: 416.082+/-375.451 χ^2/NDF : 33.1/35

In: 331.823+/-171.086 χ^2/NDF :33.8/29

Out: 593.457+/-176.034 χ^2/NDF :41.9/32

All: 458.911+/-122.688 χ^2/NDF : 76.8/62

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863 $\pm$ 0.364 χ^2 /NDF: 1744048.5/16

Left Out: 581.394 $\pm$ 0.131 χ^2 /NDF: 1394215.4/13

Right Out: 1367.609 $\pm$ 0.388 χ^2 /NDF: 1744594.4/18

Left In: 561.683 $\pm$ 0.128 χ^2 /NDF: 1226928.9/12

Left: 571.297 $\pm$ 0.092 χ^2 /NDF: 2632665.2/26

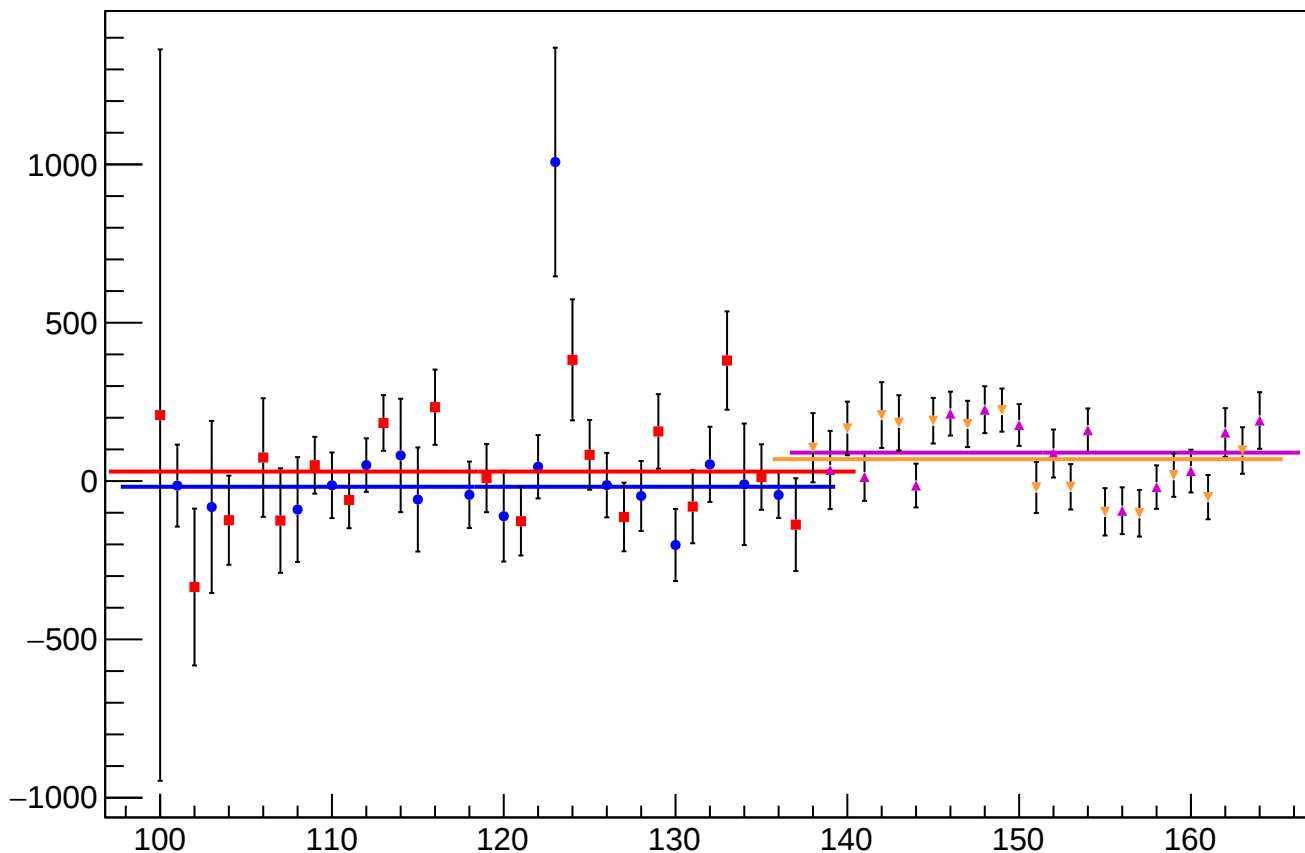
Right: 1296.600 $\pm$ 0.265 χ^2 /NDF: 3551849.9/35

In: 635.786 $\pm$ 0.121 χ^2 /NDF: 5999278.9/29

Out: 662.466 $\pm$ 0.124 χ^2 /NDF: 6828455.1/32

All: 648.746 $\pm$ 0.087 χ^2 /NDF: 12851359.3/62

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 69.269 ± 20.596 $\chi^2/\text{NDF}: 31.9/13$

Right Out: 30.070 ± 27.976 $\chi^2/\text{NDF}: 27.4/18$

Left In: 89.846 ± 20.554 $\chi^2/\text{NDF}: 24.2/12$

Left: 79.578 ± 14.549 $\chi^2/\text{NDF}: 56.7/26$

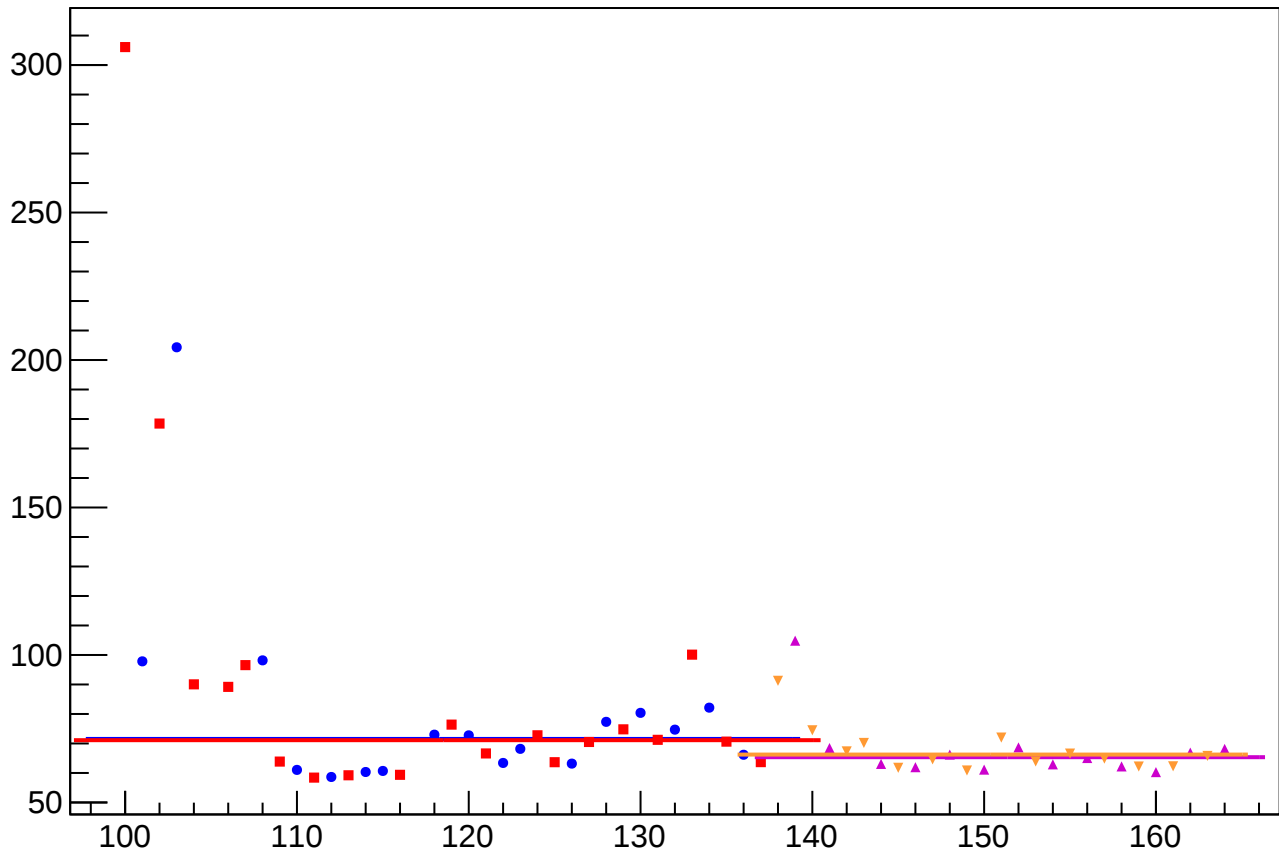
Right: 6.786 ± 20.083 $\chi^2/\text{NDF}: 42.2/35$

In: 53.541 ± 16.740 $\chi^2/\text{NDF}: 46.9/29$

Out: 55.492 ± 16.586 $\chi^2/\text{NDF}: 60.6/32$

All: 54.525 ± 11.782 $\chi^2/\text{NDF}: 107.5/62$

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 66.236 $\pm$ 0.015 χ^2 /NDF: 175815.0/13

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

Left In: 65.348 $\pm$ 0.015 χ^2 /NDF: 248004.6/12

Left: 65.791 $\pm$ 0.010 χ^2 /NDF: 425681.8/26

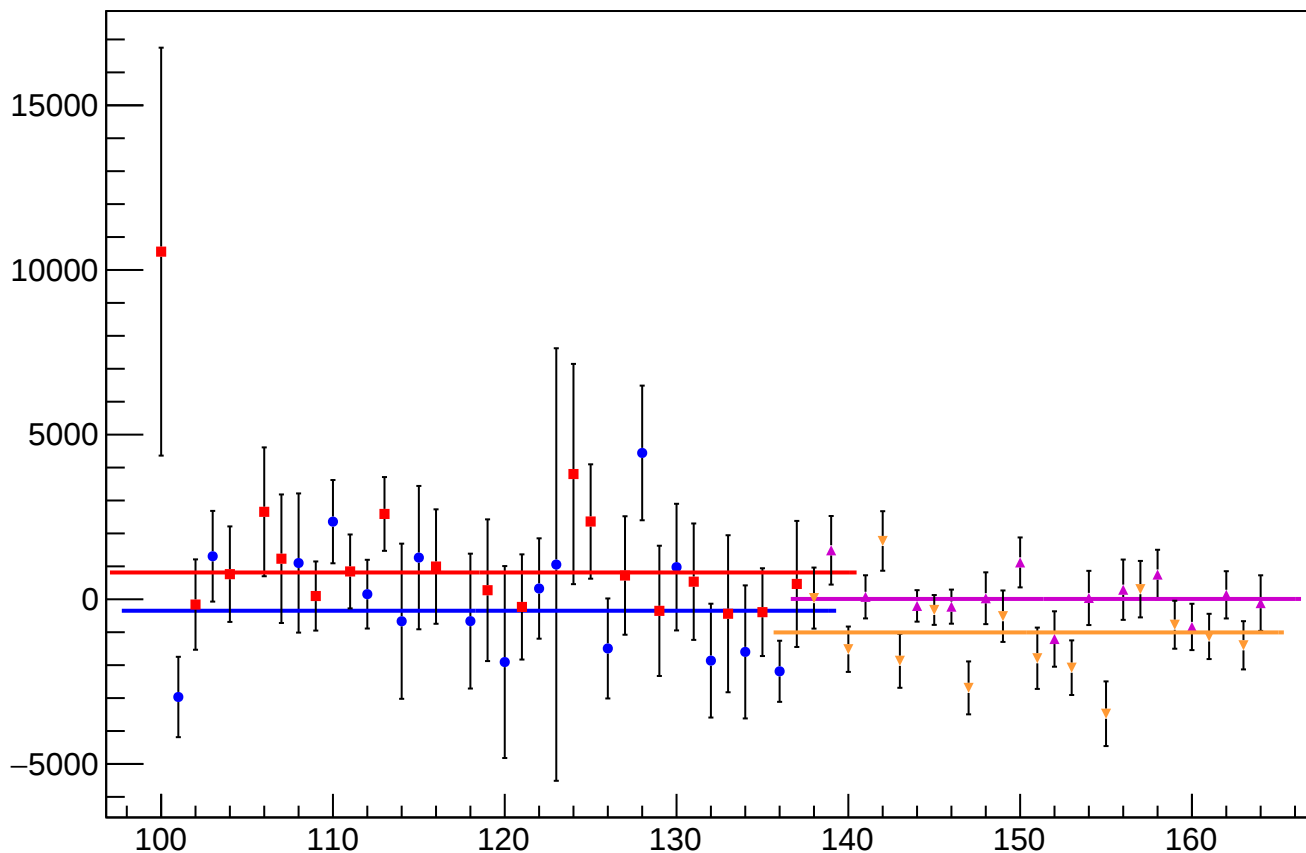
Right: 71.319 $\pm$ 0.014 χ^2 /NDF: 1524340.2/35

In: 67.432 $\pm$ 0.012 χ^2 /NDF: 1068000.0/29

Out: 67.951 $\pm$ 0.012 χ^2 /NDF: 980424.1/32

All: 67.694 $\pm$ 0.008 χ^2 /NDF: 2049394.7/62

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -1006.074 ± 200.327 χ^2/NDF : 30.9/13

Right Out: 814.154 ± 369.807 χ^2/NDF : 10.5/18

Left In: 10.350 ± 196.393 χ^2/NDF : 9.2/12

Left: -487.784 ± 140.241 χ^2/NDF : 53.2/26

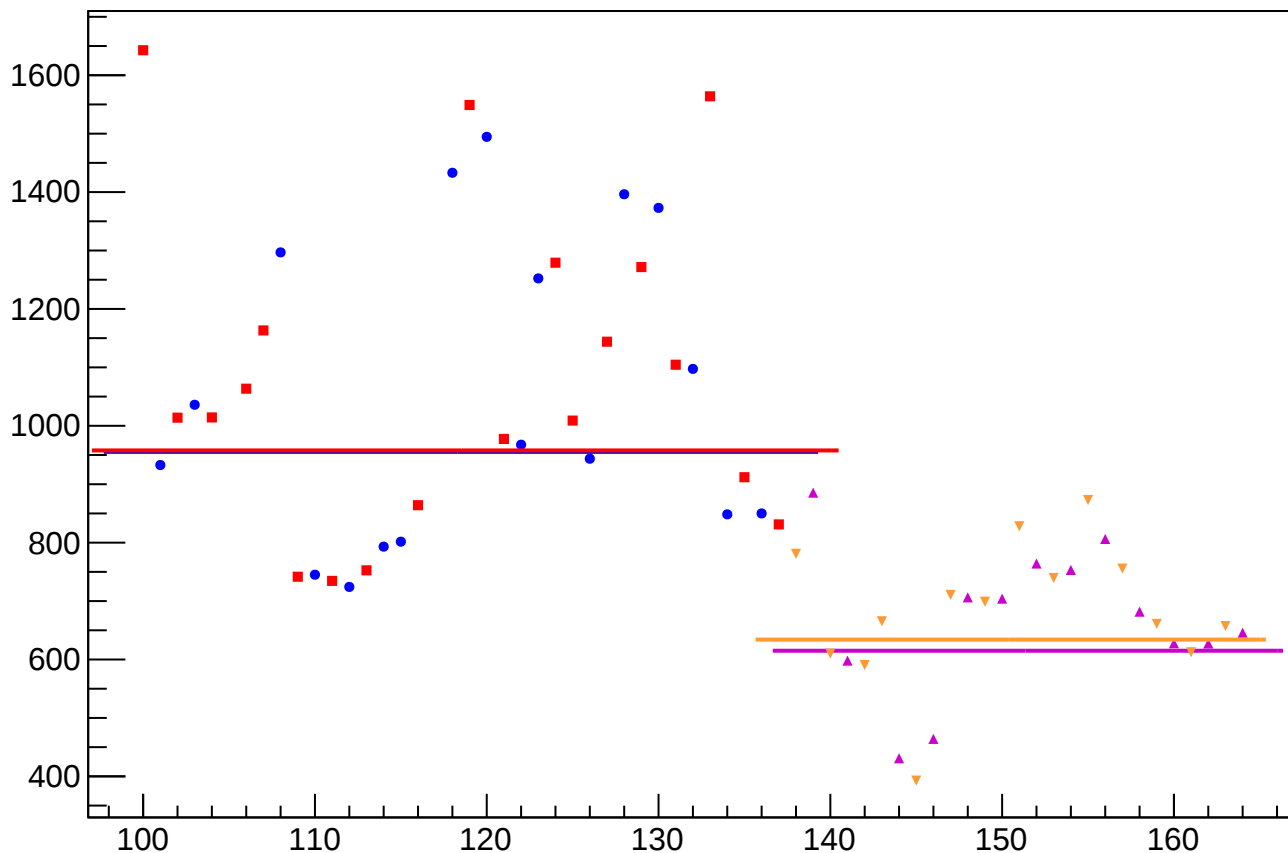
Right: 251.940 ± 265.697 χ^2/NDF : 39.3/35

In: -64.556 ± 174.661 χ^2/NDF : 34.0/29

Out: -593.116 ± 176.143 χ^2/NDF : 60.1/32

All: -326.603 ± 124.025 χ^2/NDF : 98.6/62

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 634.066+/-0.142 χ^2/NDF : 944367.1/13

Right Out: 957.849+/-0.261 χ^2/NDF : 693081.8/18

Left In: 615.029+/-0.139 χ^2/NDF : 883260.7/12

Left: 624.359+/-0.099 χ^2/NDF : 1836837.6/26

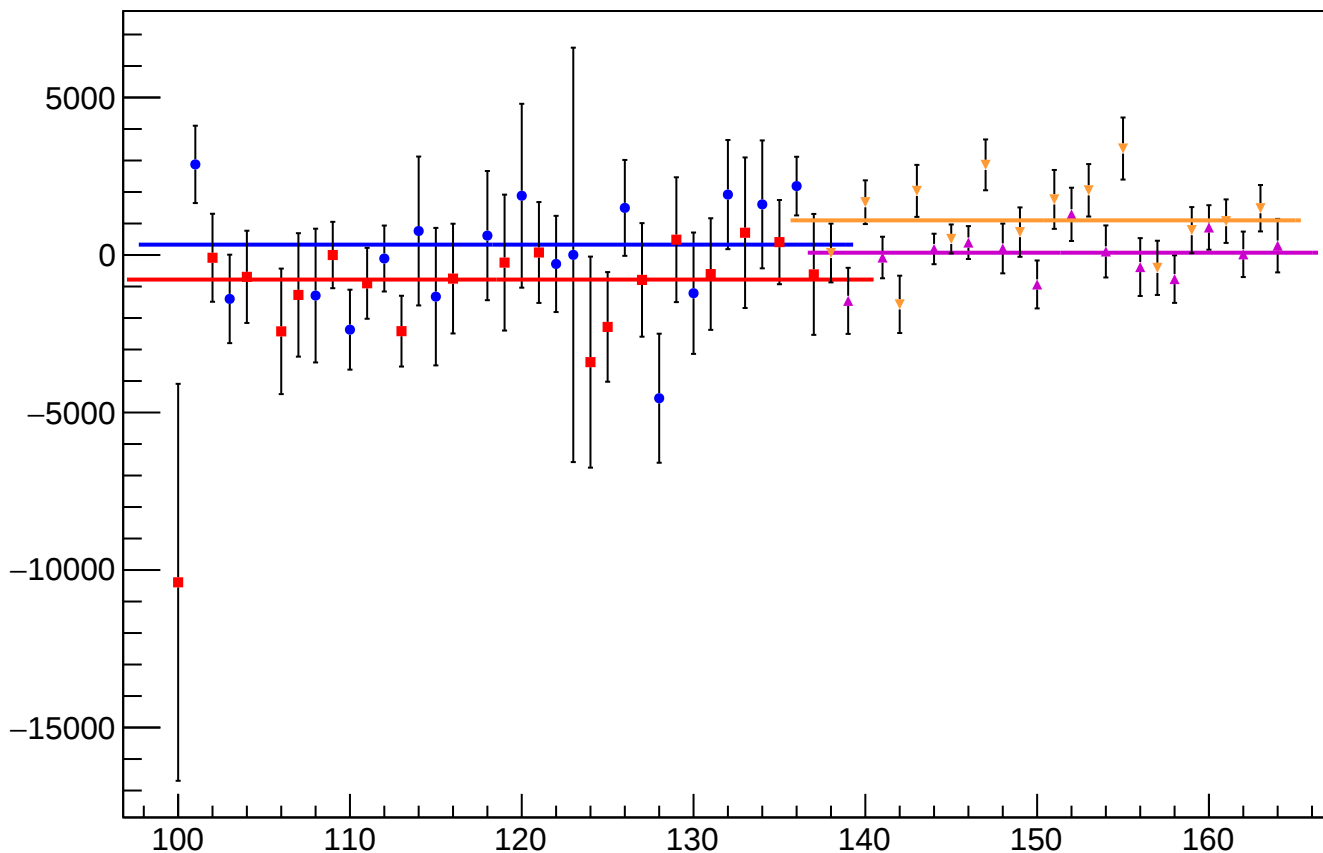
Right: 956.676+/-0.188 χ^2/NDF : 1339635.8/35

In: 686.194+/-0.124 χ^2/NDF : 2785884.5/29

Out: 707.523+/-0.125 χ^2/NDF : 2822773.4/32

All: 696.769+/-0.088 χ^2/NDF : 5623444.8/62

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 1099.833 $\pm$ 201.654 χ^2 /NDF:29.1/13

Right Out: -779.623 $\pm$ 371.673 χ^2 /NDF: 9.3/18

Left In: 73.083 $\pm$ 197.708 χ^2 /NDF:9.3/12

Left: 576.314 $\pm$ 141.175 χ^2 /NDF: 51.7/26

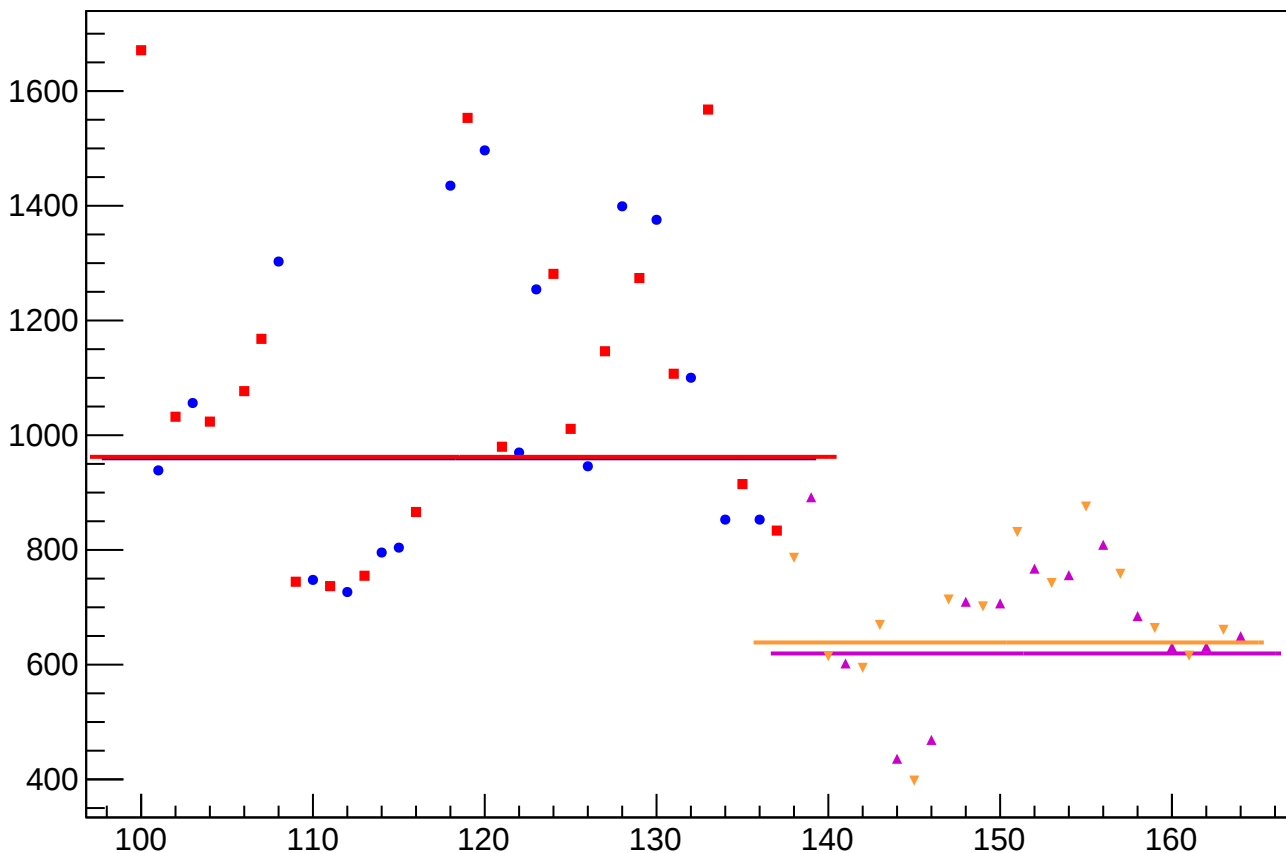
Right: -242.920 $\pm$ 266.973 χ^2 /NDF: 37.9/35

In: 126.802 $\pm$ 175.752 χ^2 /NDF:34.0/29

Out: 672.403 $\pm$ 177.246 χ^2 /NDF:58.2/32

All: 397.293 $\pm$ 124.800 χ^2 /NDF: 96.9/62

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 638.675+/-0.143 χ^2/NDF : 917615.9/13

Right Out: 962.314+/-0.263 χ^2/NDF : 695757.2/18

Left In: 619.503+/-0.140 χ^2/NDF : 862062.4/12

Left: 628.900+/-0.100 χ^2/NDF : 1788896.6/26

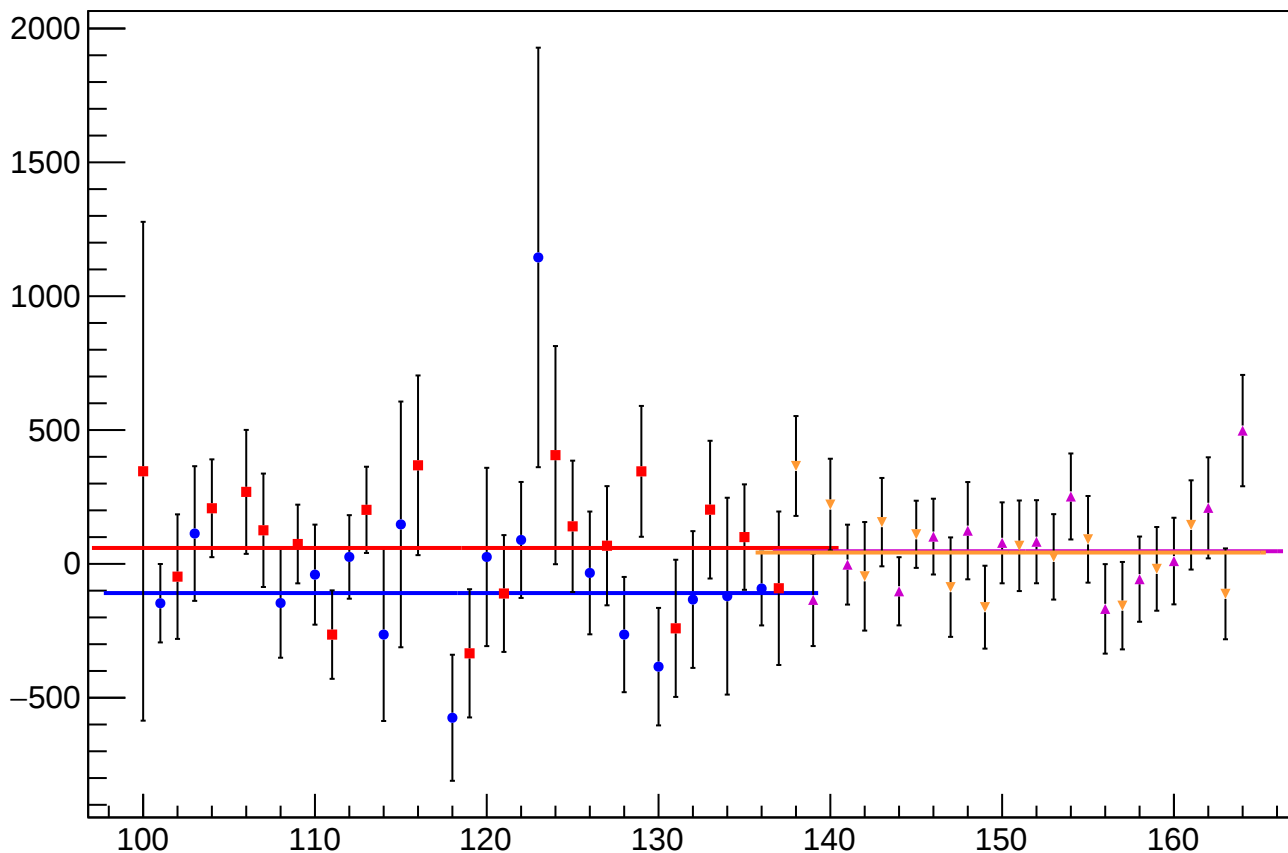
Right: 961.083+/-0.189 χ^2/NDF : 1342530.4/35

In: 690.882+/-0.124 χ^2/NDF : 2751517.8/29

Out: 712.278+/-0.125 χ^2/NDF : 2784950.1/32

All: 701.489+/-0.088 χ^2/NDF : 5551163.0/62

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 42.470 ± 43.872 χ^2/NDF : 10.2/13

Right Out: 59.475 ± 50.822 χ^2/NDF : 14.9/18

Left In: 47.296 ± 44.328 χ^2/NDF : 12.2/12

Left: 44.858 ± 31.182 χ^2/NDF : 22.5/26

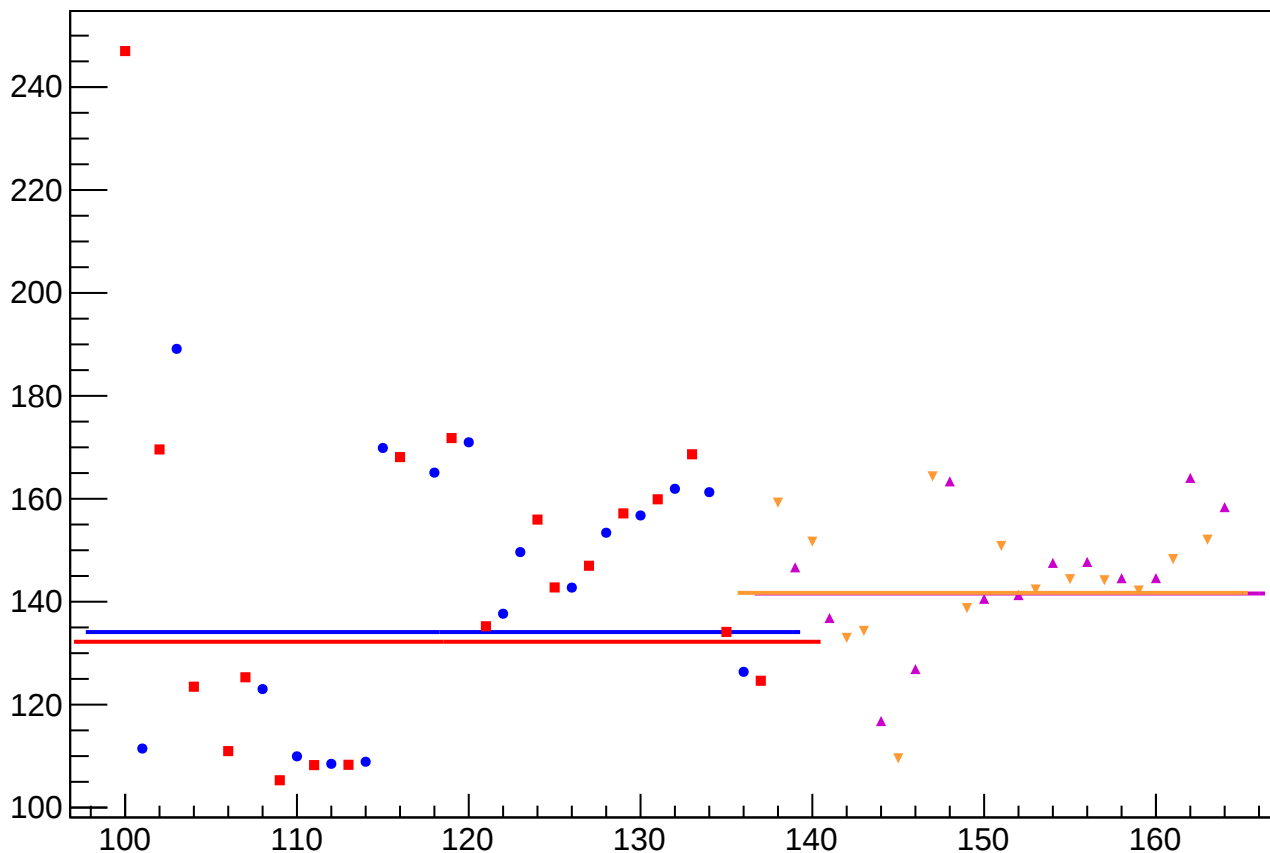
Right: -21.341 ± 36.657 χ^2/NDF : 32.2/35

In: -17.137 ± 33.982 χ^2/NDF : 29.3/29

Out: 49.731 ± 33.210 χ^2/NDF : 25.2/32

All: 17.066 ± 23.751 χ^2/NDF : 56.5/62

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 141.721+/-0.031 χ^2/NDF : 211258.5/13

Right Out: 132.219+/-0.036 χ^2/NDF : 441738.5/18

Left In: 141.595+/-0.031 χ^2/NDF : 178051.3/12

Left: 141.659+/-0.022 χ^2/NDF : 389318.0/26

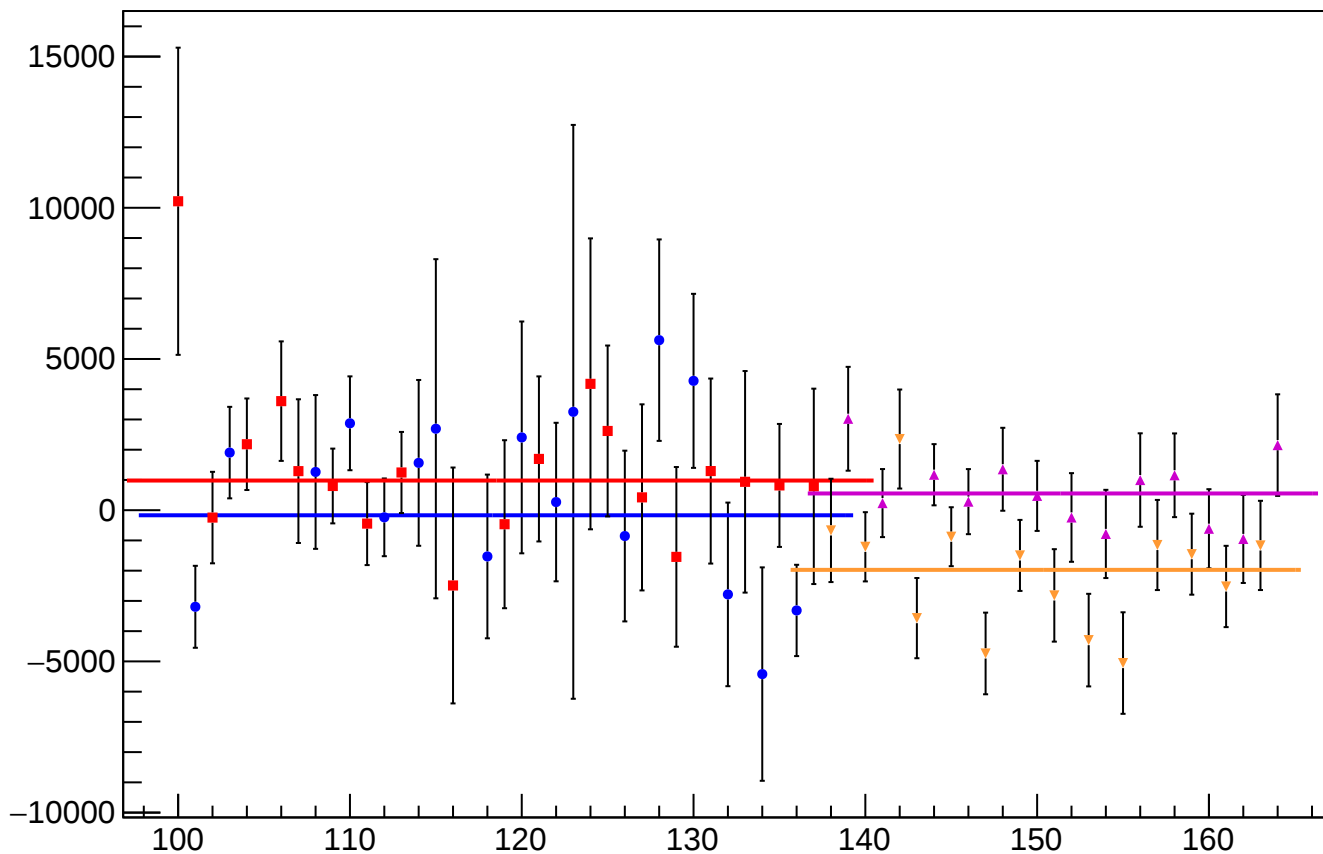
Right: 133.123+/-0.026 χ^2/NDF : 845638.9/35

In: 138.506+/-0.024 χ^2/NDF : 604187.1/29

Out: 137.663+/-0.023 χ^2/NDF : 693057.6/32

All: 138.075+/-0.017 χ^2/NDF : 1297873.7/62

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 $\chi^2/\text{NDF}: 25.3/16$

Left Out: -1973.226 ± 362.643 $\chi^2/\text{NDF}: 22.0/13$

Right Out: 980.517 ± 480.968 $\chi^2/\text{NDF}: 10.2/18$

Left In: 553.120 ± 364.366 $\chi^2/\text{NDF}: 7.1/12$

Left: -716.039 ± 257.034 $\chi^2/\text{NDF}: 53.2/26$

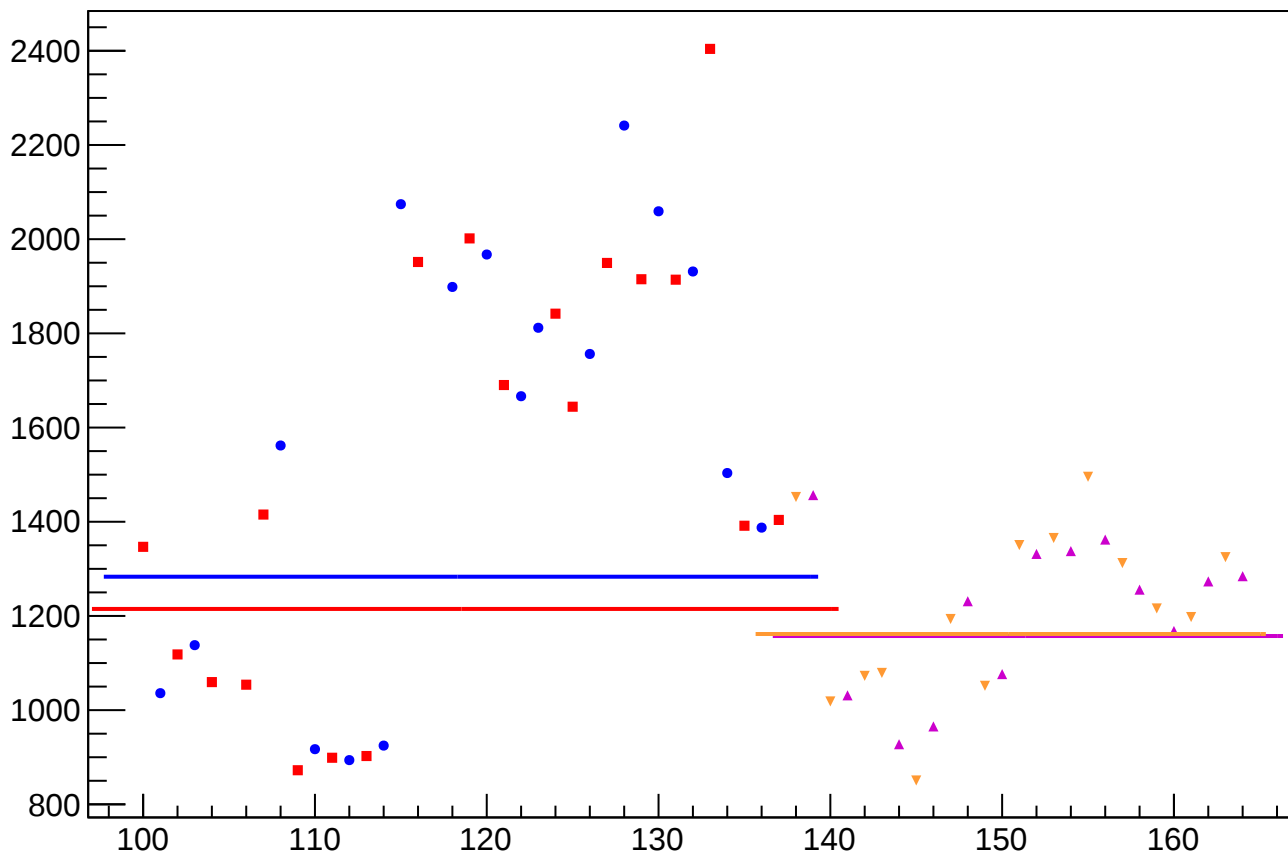
Right: 454.882 ± 354.232 $\chi^2/\text{NDF}: 38.1/35$

In: 317.813 ± 299.090 $\chi^2/\text{NDF}: 33.7/29$

Out: -902.656 ± 289.559 $\chi^2/\text{NDF}: 56.2/32$

All: -312.177 ± 208.037 $\chi^2/\text{NDF}: 98.5/62$

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1161.654 $\pm$ 0.256 χ^2 /NDF: 519945.6/13

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

Left In: 1157.390 $\pm$ 0.258 χ^2 /NDF: 396425.0/12

Left: 1159.532 $\pm$ 0.182 χ^2 /NDF: 916508.2/26

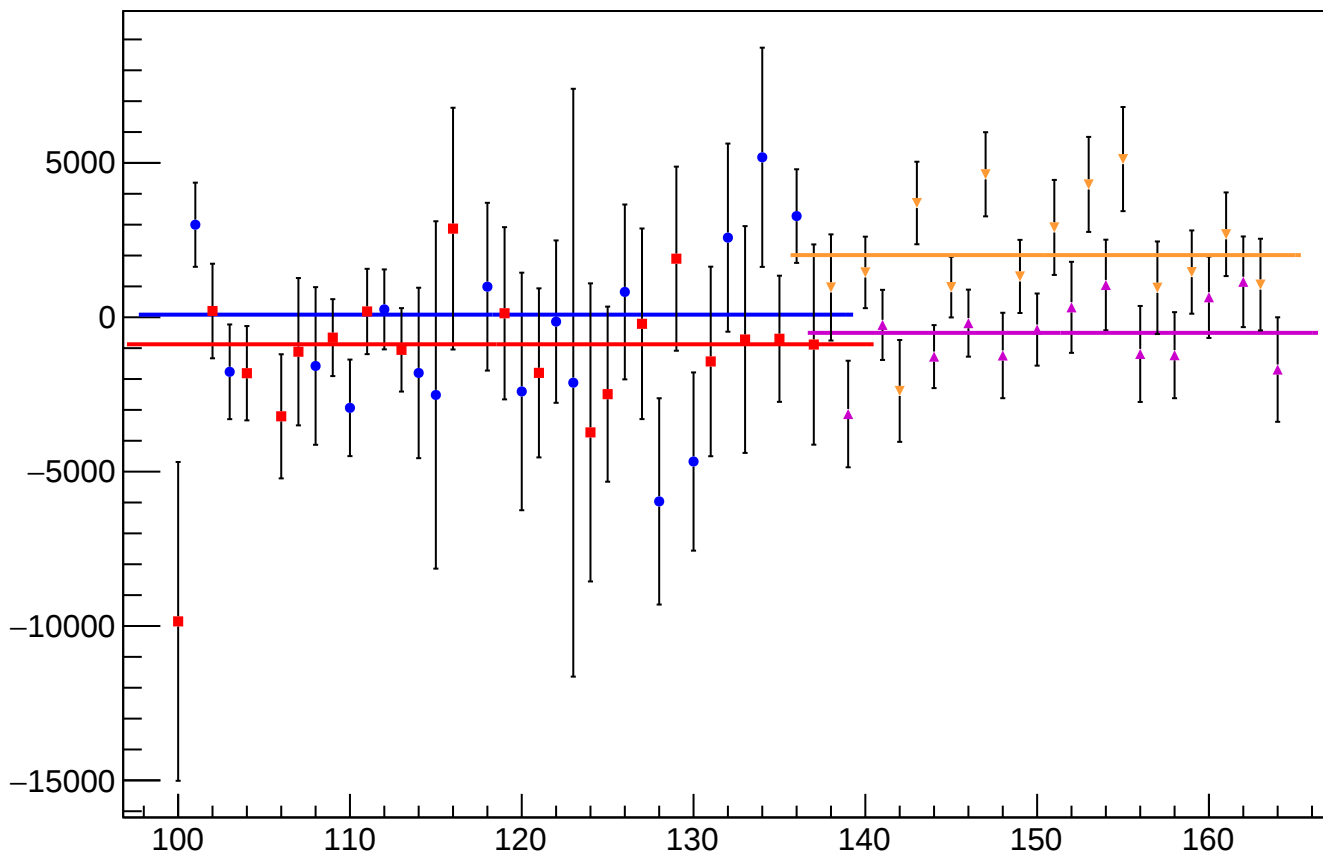
Right: 1246.197 $\pm$ 0.250 χ^2 /NDF: 2548819.1/35

In: 1198.468 $\pm$ 0.211 χ^2 /NDF: 1643783.3/29

Out: 1180.947 $\pm$ 0.205 χ^2 /NDF: 1896423.0/32

All: 1189.424 $\pm$ 0.147 χ^2 /NDF: 3543749.0/62

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 ± 527.082 $\chi^2/\text{NDF}: 24.7/16$

Left Out: 2013.923 ± 365.475 $\chi^2/\text{NDF}: 21.7/13$

Right Out: -874.592 ± 484.647 $\chi^2/\text{NDF}: 8.7/18$

Left In: -504.590 ± 367.189 $\chi^2/\text{NDF}: 7.7/12$

Left: 760.557 ± 259.034 $\chi^2/\text{NDF}: 53.1/26$

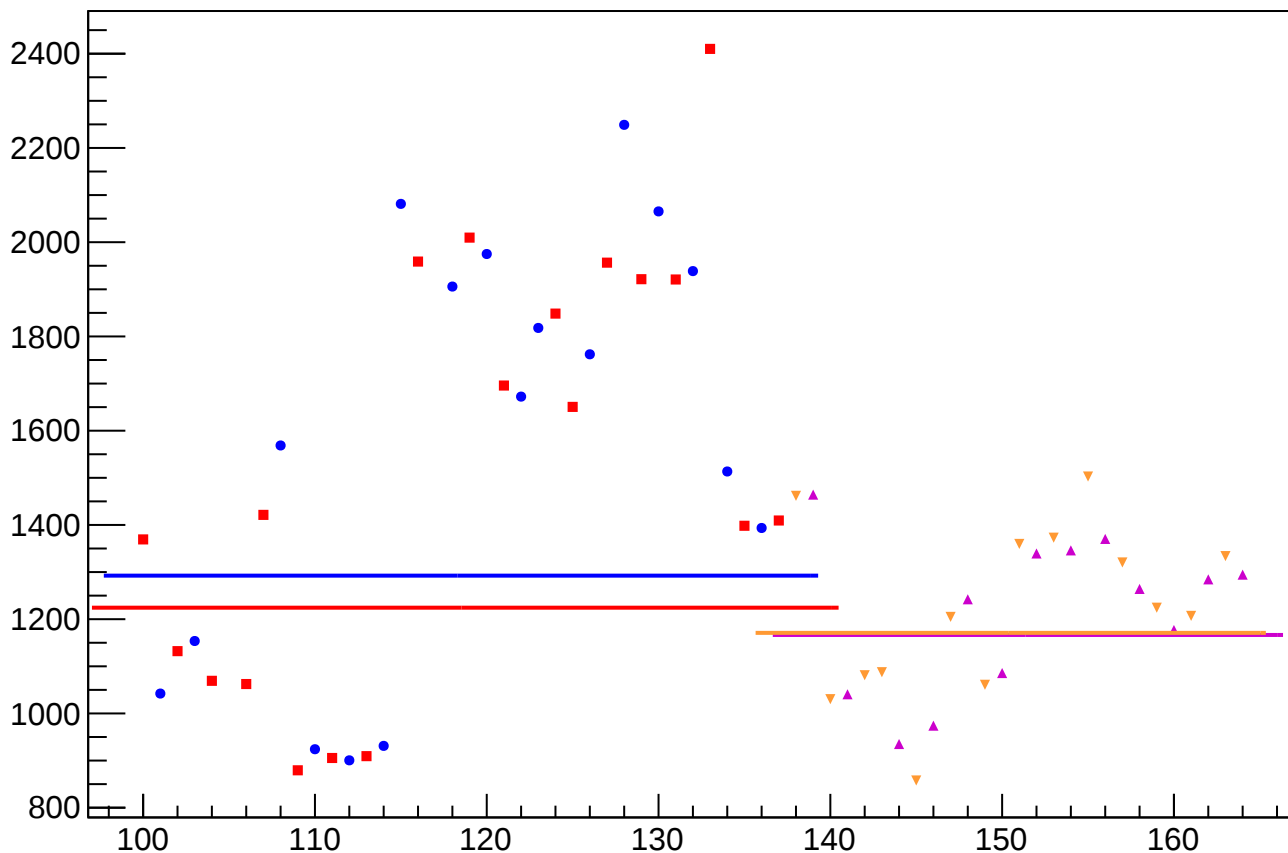
Right: -434.939 ± 356.757 $\chi^2/\text{NDF}: 35.2/35$

In: -311.922 ± 301.287 $\chi^2/\text{NDF}: 33.3/29$

Out: 966.779 ± 291.804 $\chi^2/\text{NDF}: 53.1/32$

All: 347.869 ± 209.609 $\chi^2/\text{NDF}: 95.6/62$

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2/NDF : 1156576.0/16

Left Out: 1170.996 $\pm$ 0.258 χ^2/NDF : 512561.6/13

Right Out: 1224.429 $\pm$ 0.343 χ^2/NDF : 1345748.2/18

Left In: 1166.540 $\pm$ 0.260 χ^2/NDF : 391574.1/12

Left: 1168.779 $\pm$ 0.183 χ^2/NDF : 904283.6/26

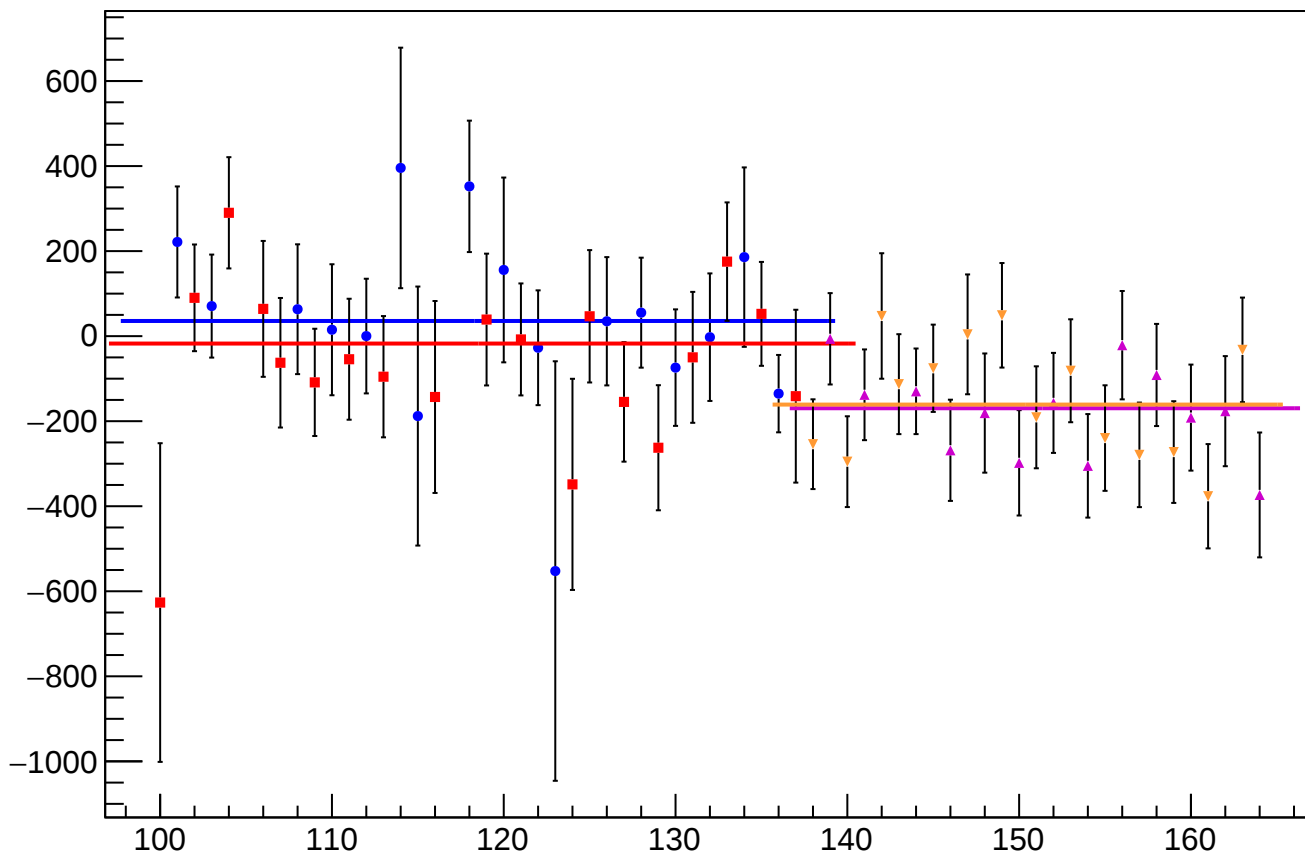
Right: 1255.580 $\pm$ 0.252 χ^2/NDF : 2520360.3/35

In: 1207.672 $\pm$ 0.213 χ^2/NDF : 1624957.9/29

Out: 1190.367 $\pm$ 0.206 χ^2/NDF : 1873807.6/32

All: 1198.743 $\pm$ 0.148 χ^2/NDF : 3502170.2/62

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: -160.948 $\pm$ 31.968 χ^2 /NDF:16.4/13

Right Out: -17.418 $\pm$ 34.691 χ^2 /NDF: 18.9/18

Left In: -169.579 $\pm$ 33.319 χ^2 /NDF:9.3/12

Left: -165.085 $\pm$ 23.067 χ^2 /NDF: 25.7/26

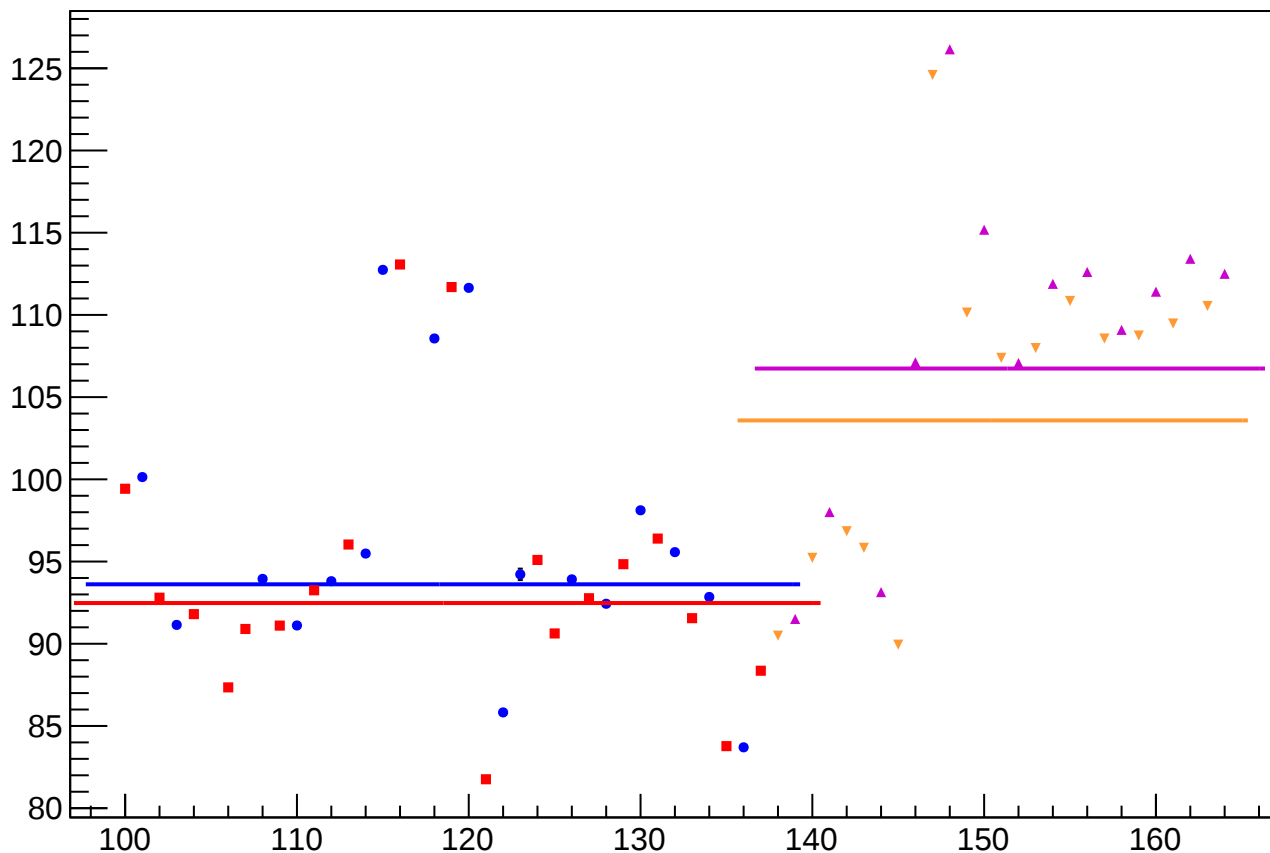
Right: 7.891 $\pm$ 25.096 χ^2 /NDF: 35.3/35

In: -75.865 $\pm$ 24.562 χ^2 /NDF:41.9/29

Out: -95.037 $\pm$ 23.508 χ^2 /NDF:44.6/32

All: -85.871 $\pm$ 16.983 χ^2 /NDF: 86.8/62

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 103.582+/-0.023 χ^2/NDF : 170883.8/13

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

Left In: 106.739+/-0.024 χ^2/NDF : 157575.0/12

Left: 105.095+/-0.016 χ^2/NDF : 337809.4/26

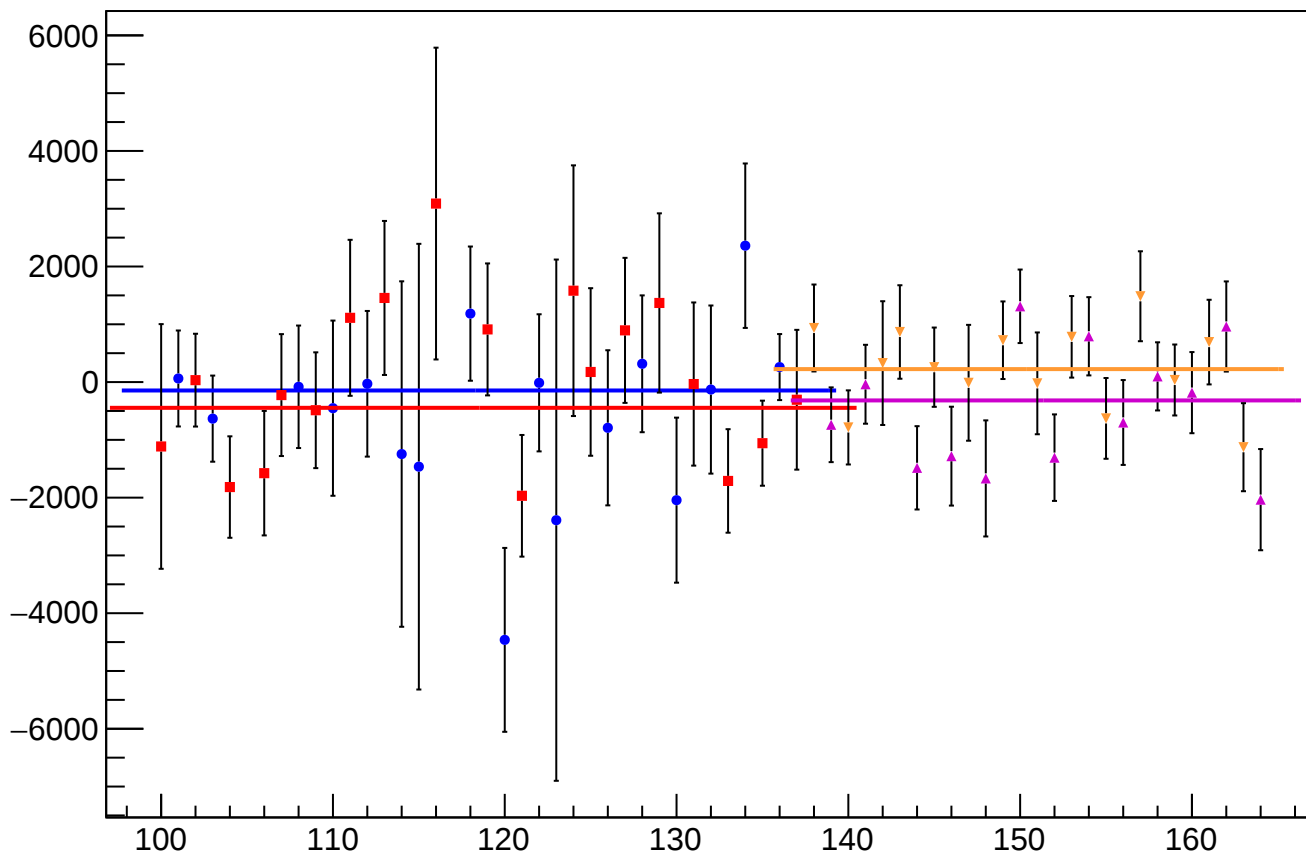
Right: 93.020+/-0.018 χ^2/NDF : 159546.8/35

In: 100.747+/-0.017 χ^2/NDF : 379156.7/29

Out: 98.482+/-0.017 χ^2/NDF : 360297.3/32

All: 99.565+/-0.012 χ^2/NDF : 748330.7/62

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: 224.500 ± 199.322 $\chi^2/\text{NDF}: 13.1/13$

Right Out: -445.575 ± 260.276 $\chi^2/\text{NDF}: 19.0/18$

Left In: -317.597 ± 200.161 $\chi^2/\text{NDF}: 24.6/12$

Left: -45.410 ± 141.238 $\chi^2/\text{NDF}: 41.4/26$

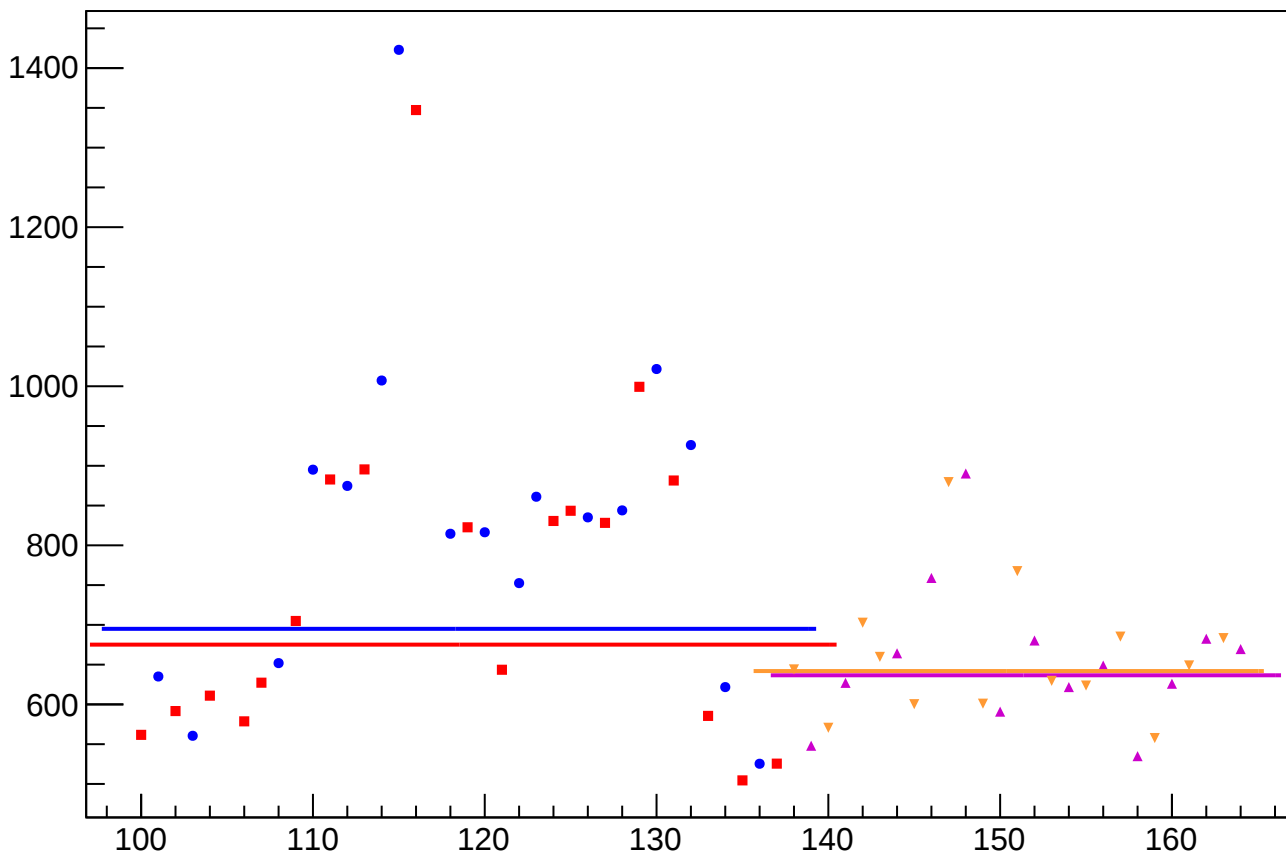
Right: -304.652 ± 189.560 $\chi^2/\text{NDF}: 35.1/35$

In: -258.445 ± 162.162 $\chi^2/\text{NDF}: 40.4/29$

Out: -23.206 ± 158.249 $\chi^2/\text{NDF}: 36.2/32$

All: -137.953 ± 113.257 $\chi^2/\text{NDF}: 77.7/62$

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: 641.927 $\pm$ 0.141 χ^2 /NDF:251829.6/13

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

Left In: 636.609 $\pm$ 0.142 χ^2 /NDF:297664.5/12

Left: 639.279 $\pm$ 0.100 χ^2 /NDF: 550202.9/26

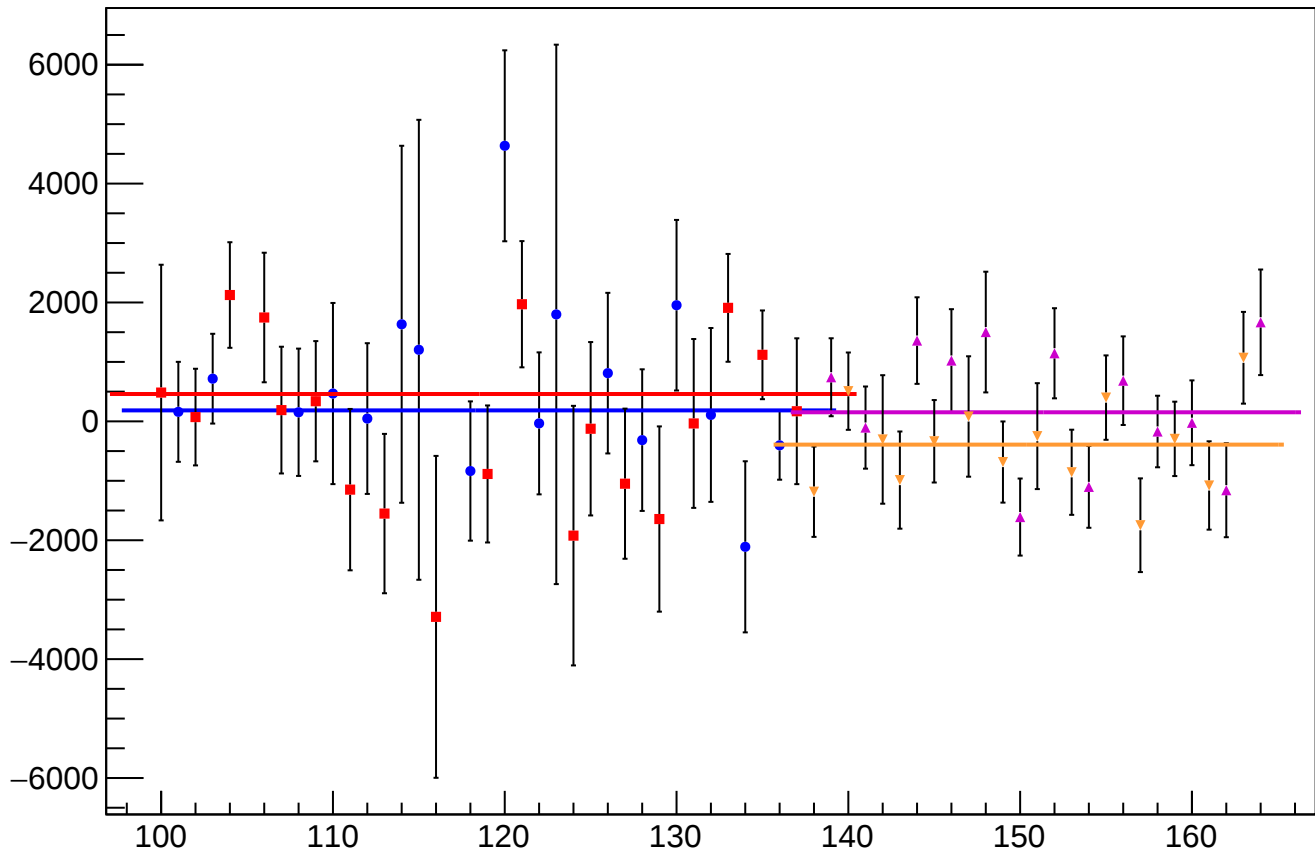
Right: 684.478 $\pm$ 0.134 χ^2 /NDF: 1359576.7/35

In: 656.679 $\pm$ 0.115 χ^2 /NDF:1033892.9/29

Out: 654.209 $\pm$ 0.112 χ^2 /NDF:948765.5/32

All: 655.414 $\pm$ 0.080 χ^2 /NDF: 1982896.3/62

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2/NDF : 14.9/16

Left Out: -391.277 $\pm$ 202.055 χ^2/NDF :13.1/13

Right Out: 460.174 $\pm$ 262.960 χ^2/NDF : 22.3/18

Left In: 152.762 $\pm$ 203.120 χ^2/NDF :25.4/12

Left: -120.688 $\pm$ 143.250 χ^2/NDF : 42.1/26

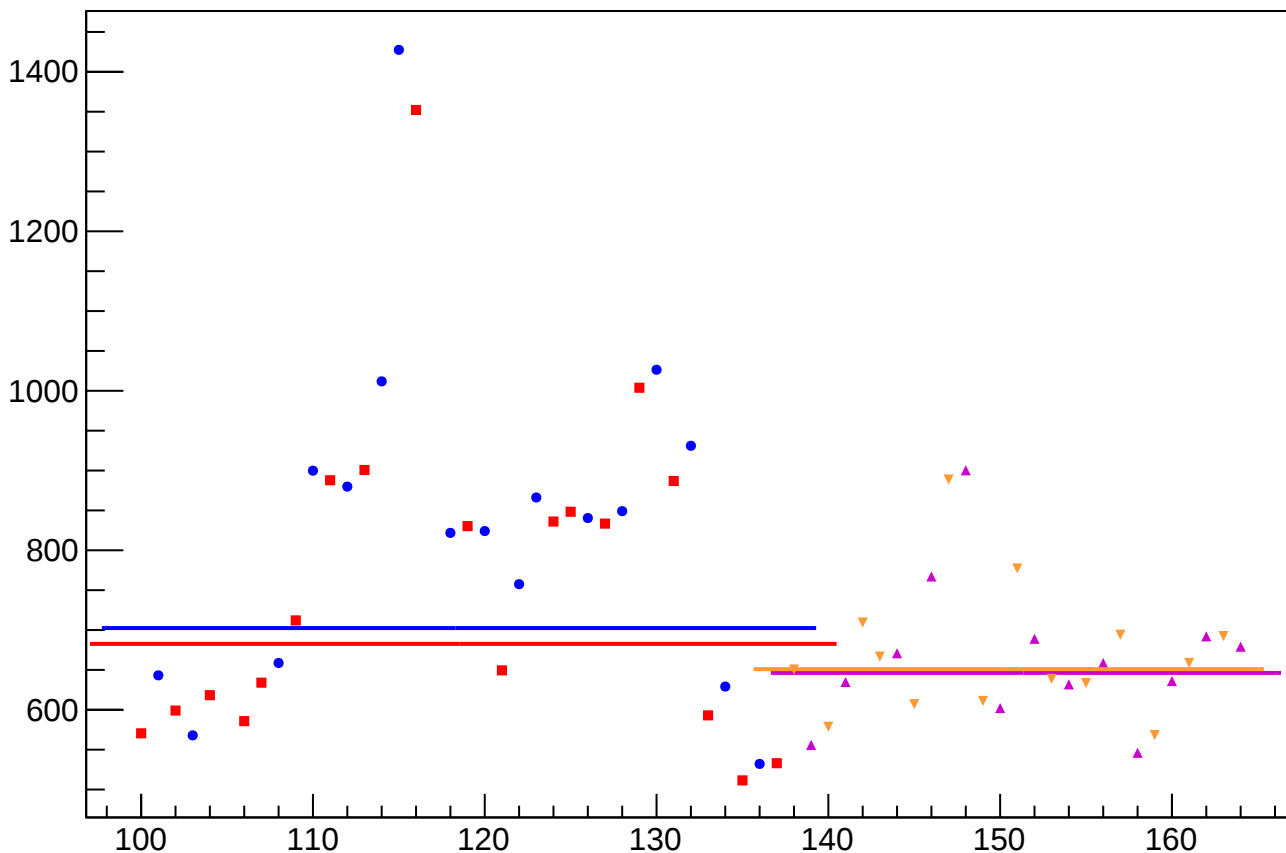
Right: 330.689 $\pm$ 191.486 χ^2/NDF : 37.7/35

In: 163.743 $\pm$ 164.291 χ^2/NDF :40.4/29

Out: -75.189 $\pm$ 160.219 χ^2/NDF :41.9/32

All: 41.279 $\pm$ 114.704 χ^2/NDF : 83.4/62

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 650.958 $\pm$ 0.143 χ^2 /NDF: 245228.9/13

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

Left In: 646.284 $\pm$ 0.144 χ^2 /NDF: 287382.2/12

Left: 648.633 $\pm$ 0.101 χ^2 /NDF: 533143.2/26

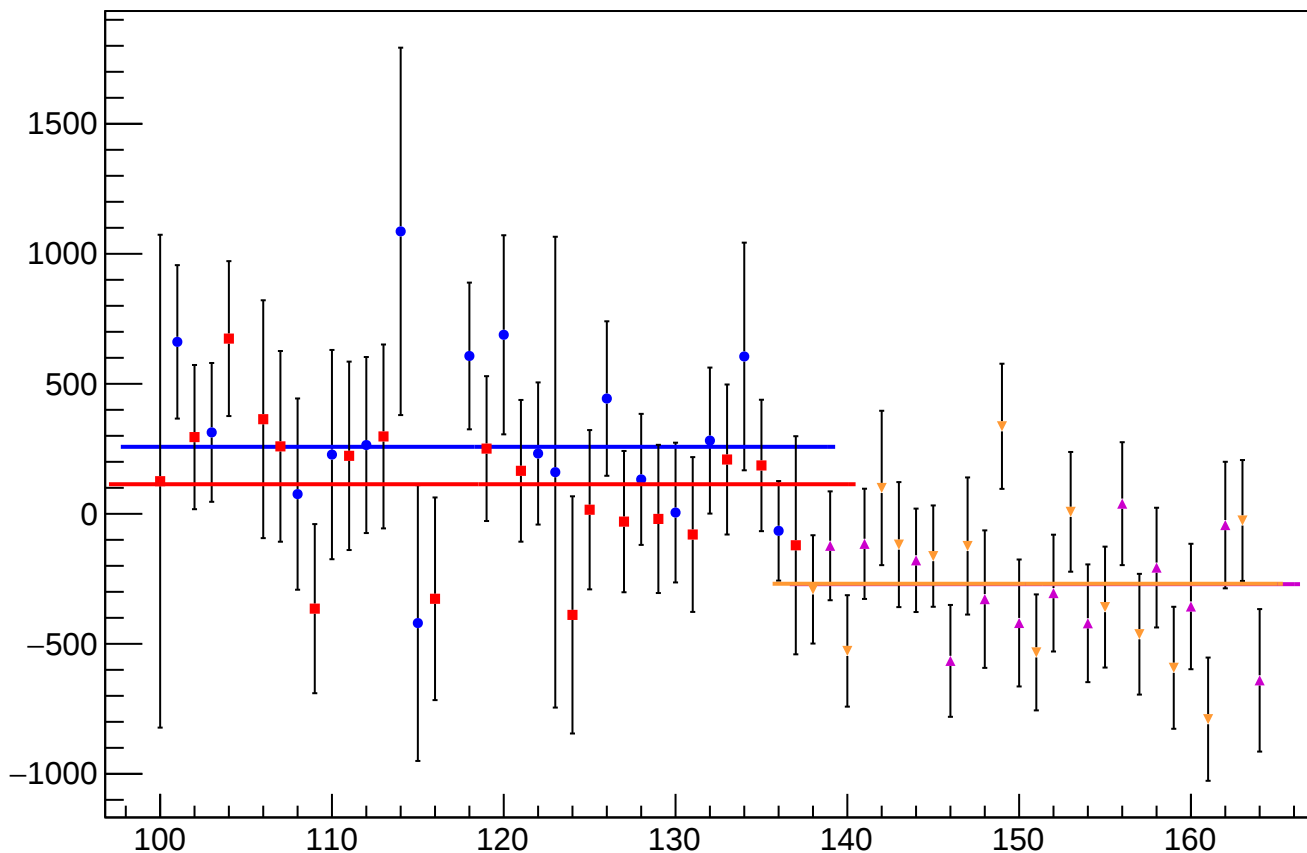
Right: 691.966 $\pm$ 0.135 χ^2 /NDF: 1325377.5/35

In: 665.712 $\pm$ 0.116 χ^2 /NDF: 1000820.6/29

Out: 662.727 $\pm$ 0.113 χ^2 /NDF: 923030.2/32

All: 664.182 $\pm$ 0.081 χ^2 /NDF: 1924189.2/62

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -268.888 $\pm$ 61.790 χ^2 /NDF:21.8/13

Right Out: 113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

Left In: -270.498 $\pm$ 63.689 χ^2 /NDF:8.6/12

Left: -269.669 $\pm$ 44.348 χ^2 /NDF: 30.5/26

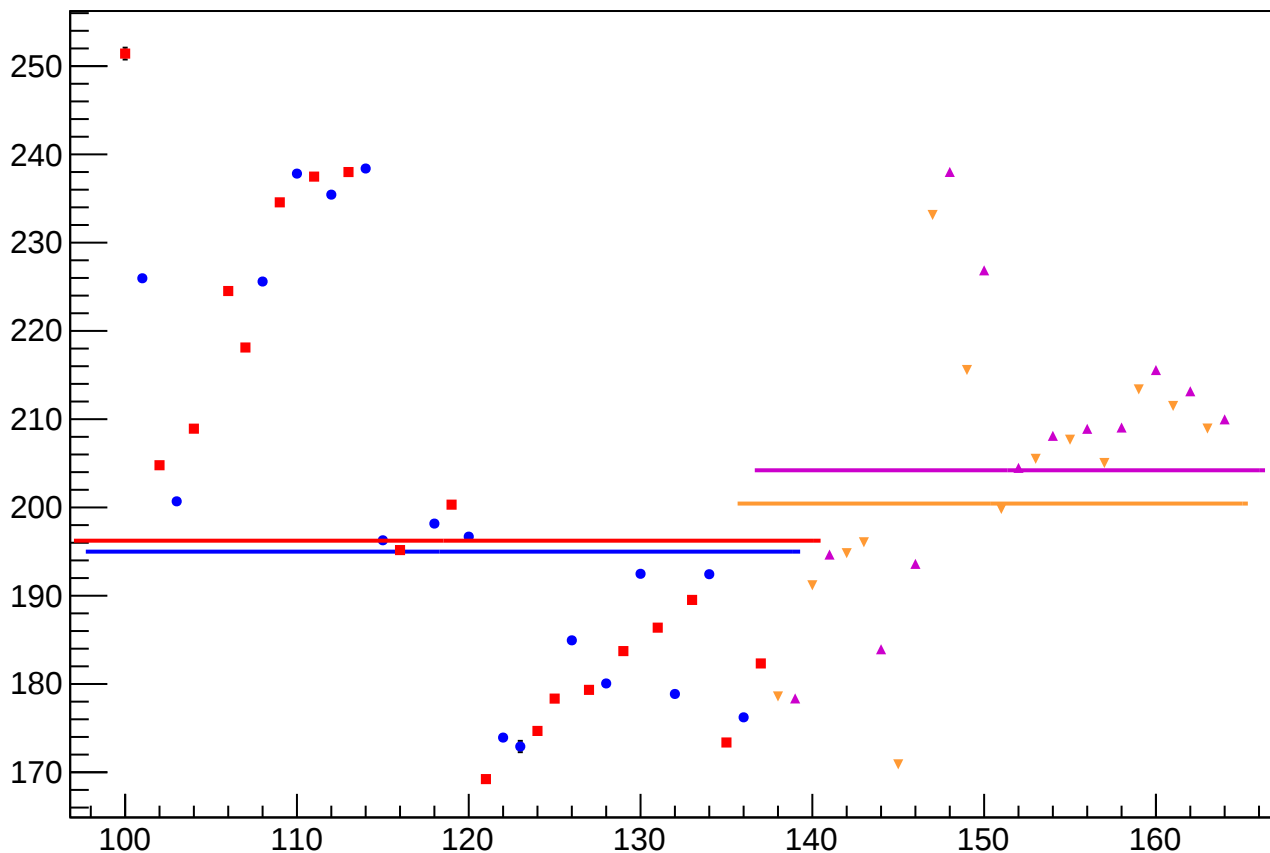
Right: 184.138 $\pm$ 53.073 χ^2 /NDF: 26.1/35

In: -52.351 $\pm$ 48.796 χ^2 /NDF:50.0/29

Out: -112.186 $\pm$ 47.485 χ^2 /NDF:48.8/32

All: -83.083 $\pm$ 34.031 χ^2 /NDF: 99.6/62

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: 200.440 $\pm$ 0.044 χ^2 /NDF:128549.6/13

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

Left In: 204.211 $\pm$ 0.045 χ^2 /NDF:120389.2/12

Left: 202.268 $\pm$ 0.031 χ^2 /NDF: 252549.9/26

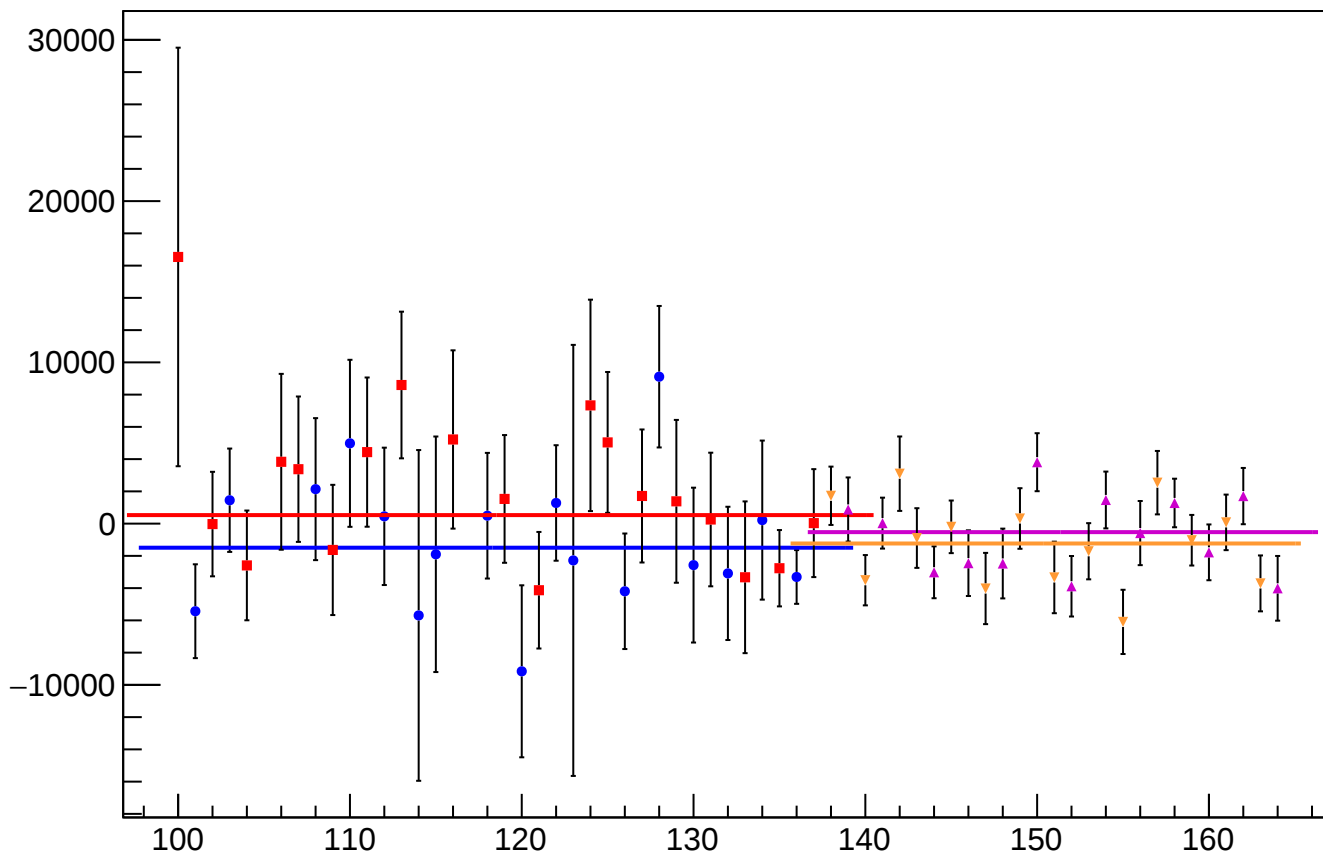
Right: 195.629 $\pm$ 0.038 χ^2 /NDF: 318035.8/35

In: 200.405 $\pm$ 0.035 χ^2 /NDF:281957.1/29

Out: 198.718 $\pm$ 0.034 χ^2 /NDF:305833.9/32

All: 199.539 $\pm$ 0.024 χ^2 /NDF: 589017.5/62

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: -1232.096 ± 489.100 $\chi^2/\text{NDF}: 24.3/13$

Right Out: 528.758 ± 934.718 $\chi^2/\text{NDF}: 14.6/18$

Left In: -527.657 ± 499.001 $\chi^2/\text{NDF}: 21.6/12$

Left: -886.934 ± 349.294 $\chi^2/\text{NDF}: 47.0/26$

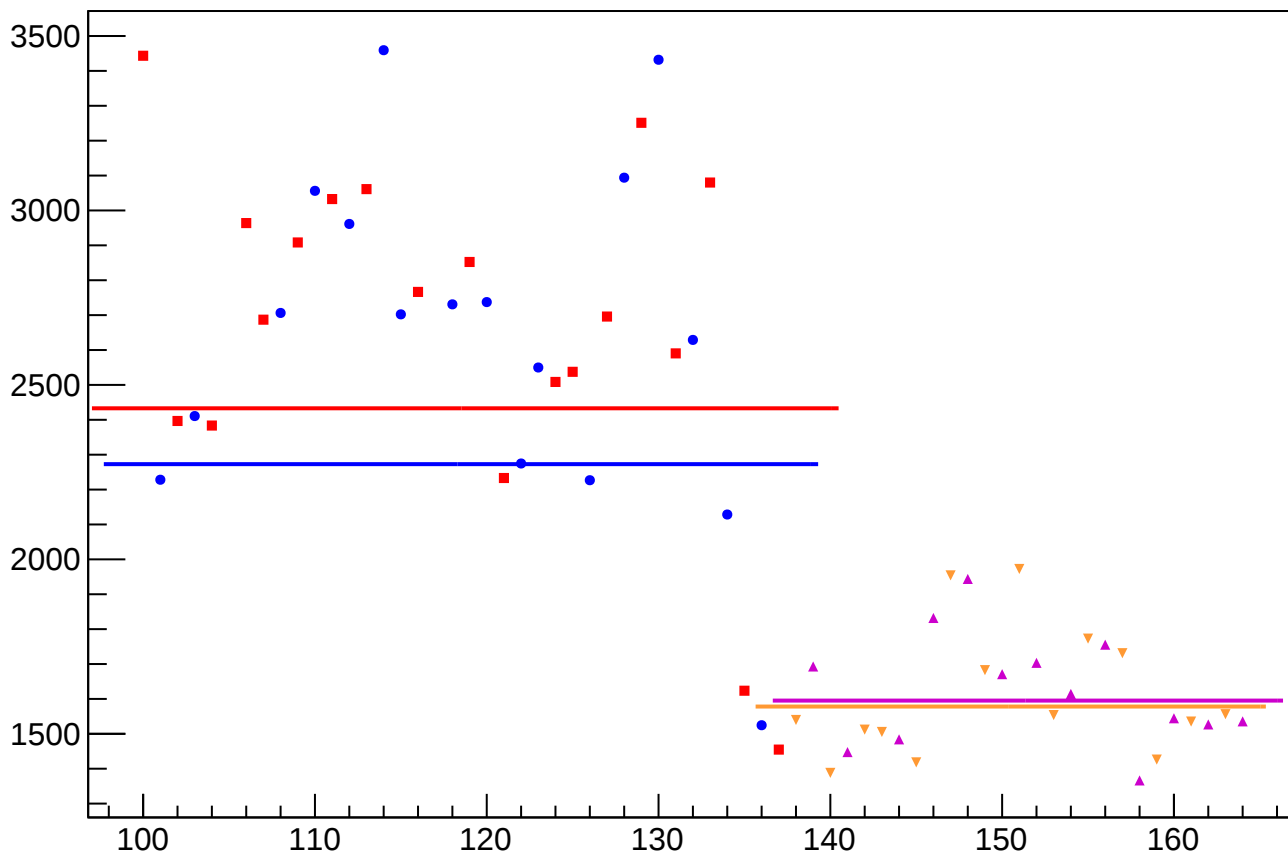
Right: -508.424 ± 652.337 $\chi^2/\text{NDF}: 33.2/35$

In: -750.573 ± 437.629 $\chi^2/\text{NDF}: 38.7/29$

Out: -853.604 ± 433.358 $\chi^2/\text{NDF}: 41.7/32$

All: -802.594 ± 307.929 $\chi^2/\text{NDF}: 80.4/62$

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1578.143+/-0.346 χ^2/NDF :233778.9/13

Right Out: 2432.950+/-0.661 χ^2/NDF : 680783.9/18

Left In: 1595.226+/-0.353 χ^2/NDF :187000.8/12

Left: 1586.513+/-0.247 χ^2/NDF : 421975.2/26

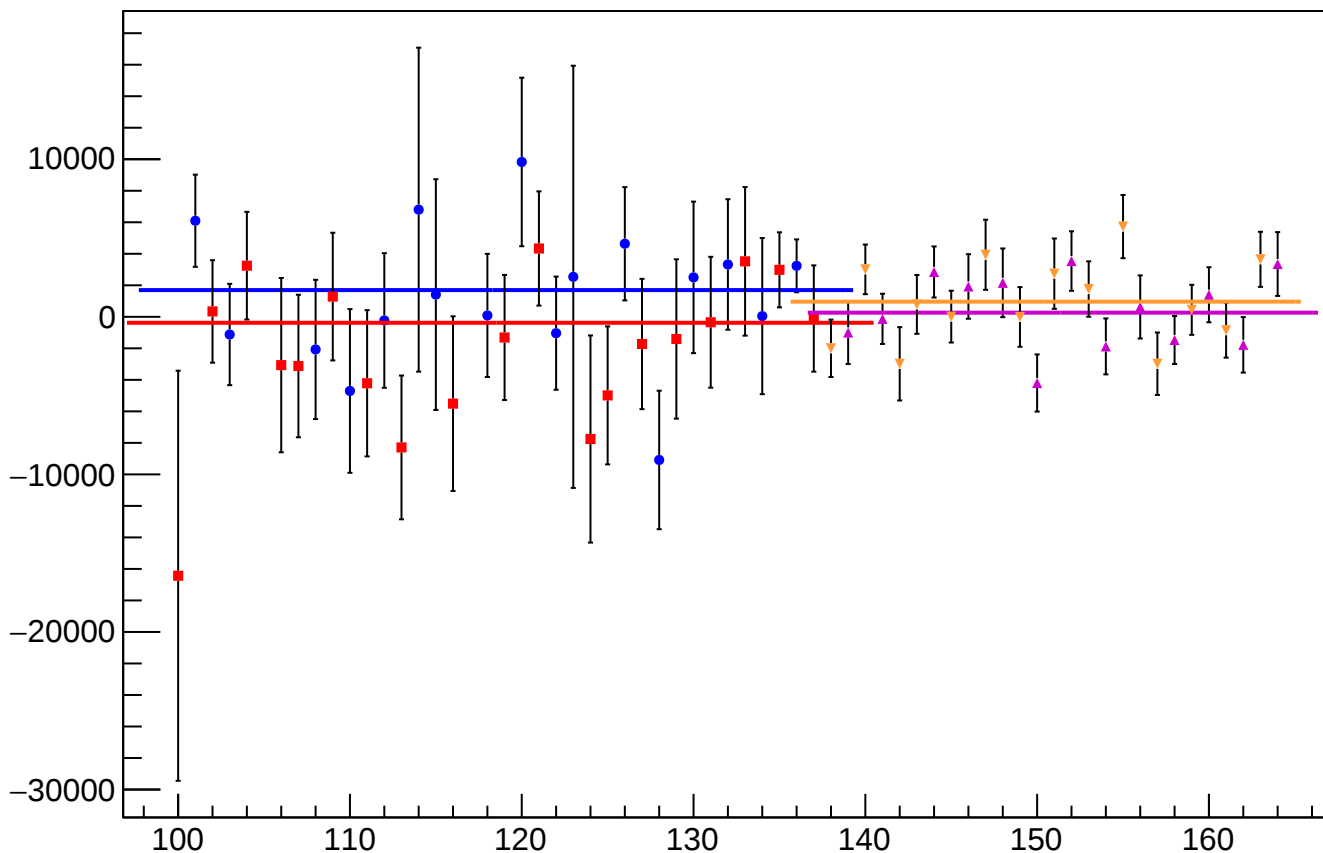
Right: 2350.846+/-0.461 χ^2/NDF : 1516518.2/35

In: 1751.665+/-0.309 χ^2/NDF :1844145.7/29

Out: 1761.882+/-0.306 χ^2/NDF :2227679.6/32

All: 1756.823+/-0.218 χ^2/NDF : 4072375.7/62

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 962.839+/-493.210 χ^2/NDF : 23.6/13

Right Out: -377.629+/-938.528 χ^2/NDF : 15.0/18

Left In: 263.969+/-503.287 χ^2/NDF : 20.3/12

Left: 620.471+/-352.261 χ^2/NDF : 44.9/26

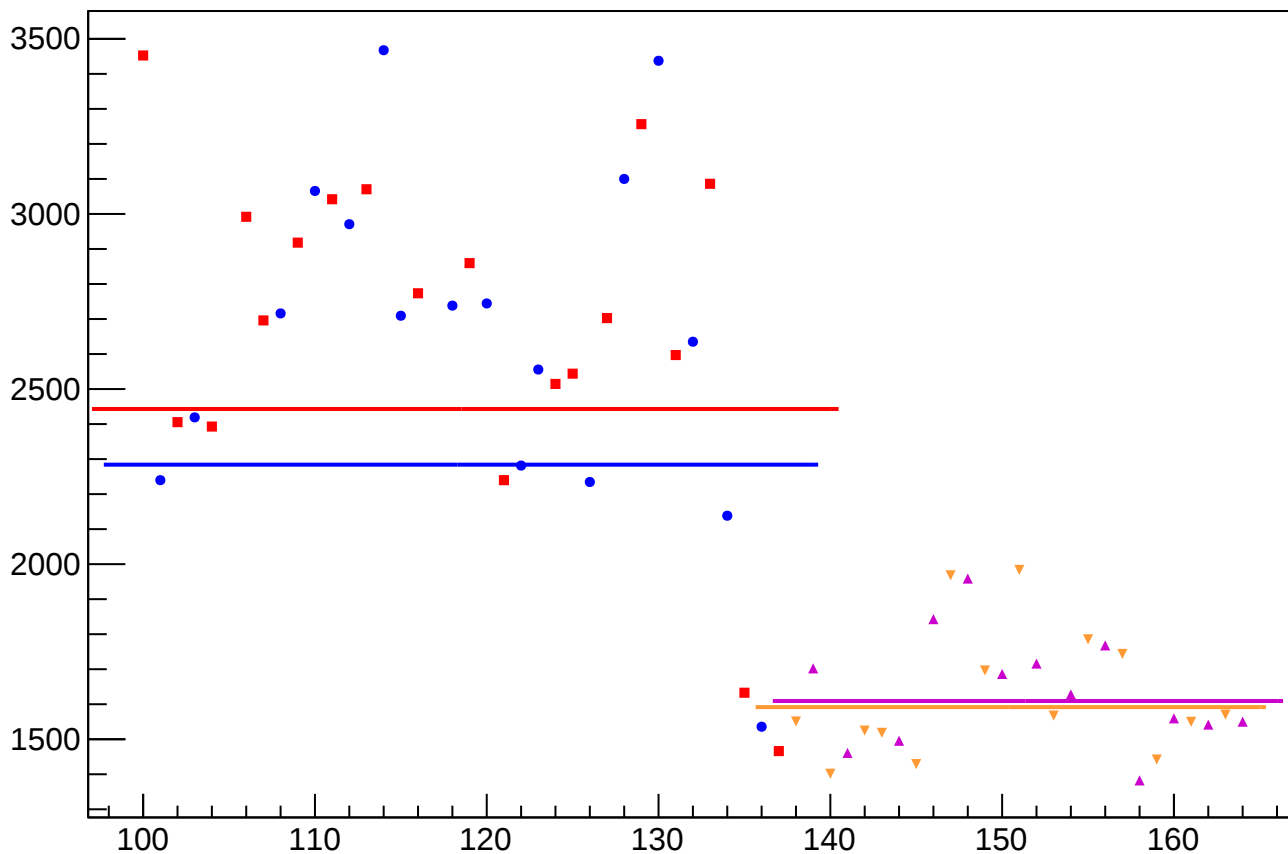
Right: 685.645+/-655.109 χ^2/NDF : 34.1/35

In: 596.661+/-440.964 χ^2/NDF : 38.8/29

Out: 672.758+/-436.595 χ^2/NDF : 40.2/32

All: 635.088+/-310.252 χ^2/NDF : 79.0/62

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1591.696+/-0.349 χ^2/NDF : 229629.5/13

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

Left In: 1609.200+/-0.356 χ^2/NDF : 182304.4/12

Left: 1600.271+/-0.249 χ^2/NDF : 413168.0/26

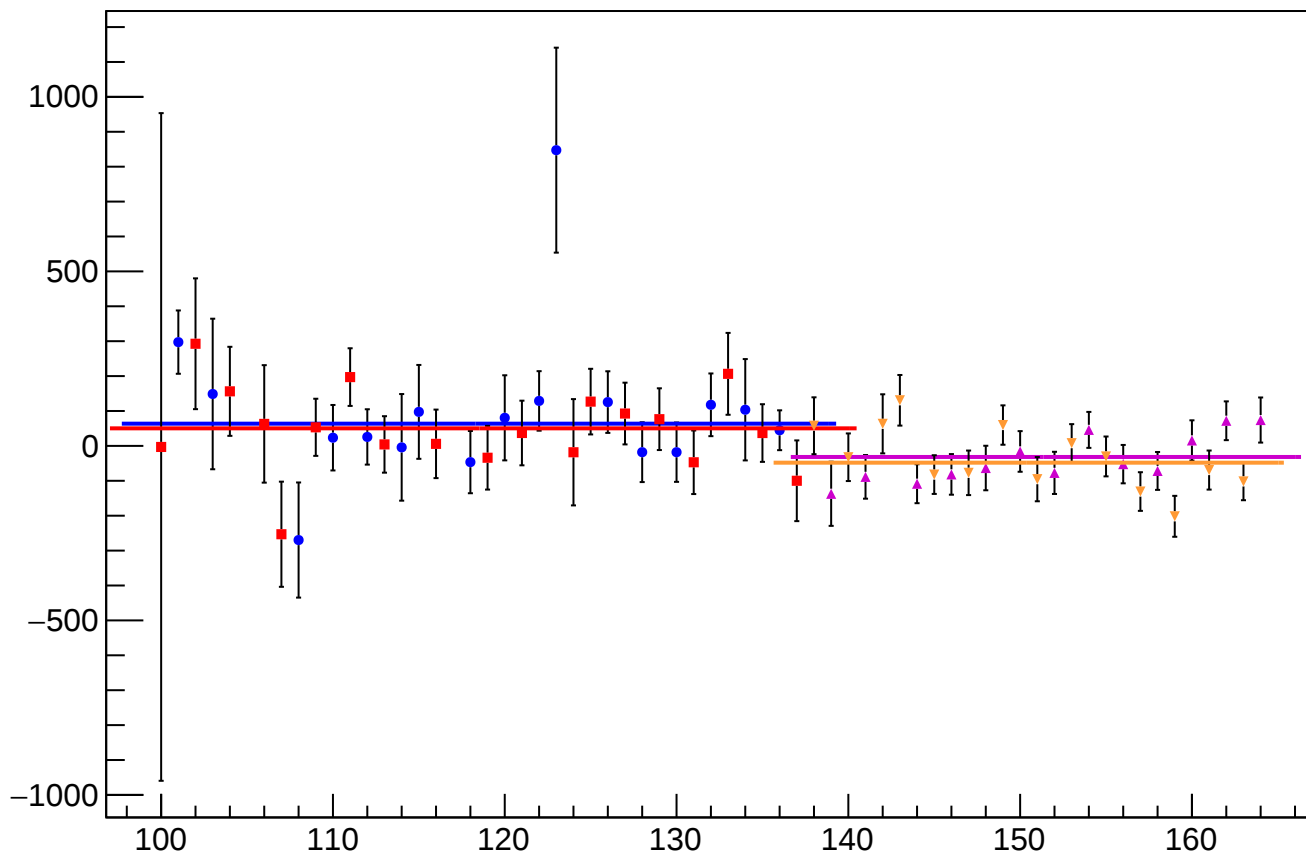
Right: 2361.583+/-0.463 χ^2/NDF : 1496334.9/35

In: 1765.999+/-0.312 χ^2/NDF : 1811869.9/29

Out: 1775.947+/-0.309 χ^2/NDF : 2192335.7/32

All: 1771.023+/-0.219 χ^2/NDF : 4004719.6/62

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: -48.085 $\pm$ 16.322 χ^2 /NDF:25.7/13

Right Out: 50.278 $\pm$ 23.661 χ^2 /NDF: 16.8/18

Left In: -31.725 $\pm$ 16.402 χ^2 /NDF:15.5/12

Left: -39.945 $\pm$ 11.570 χ^2 /NDF: 41.7/26

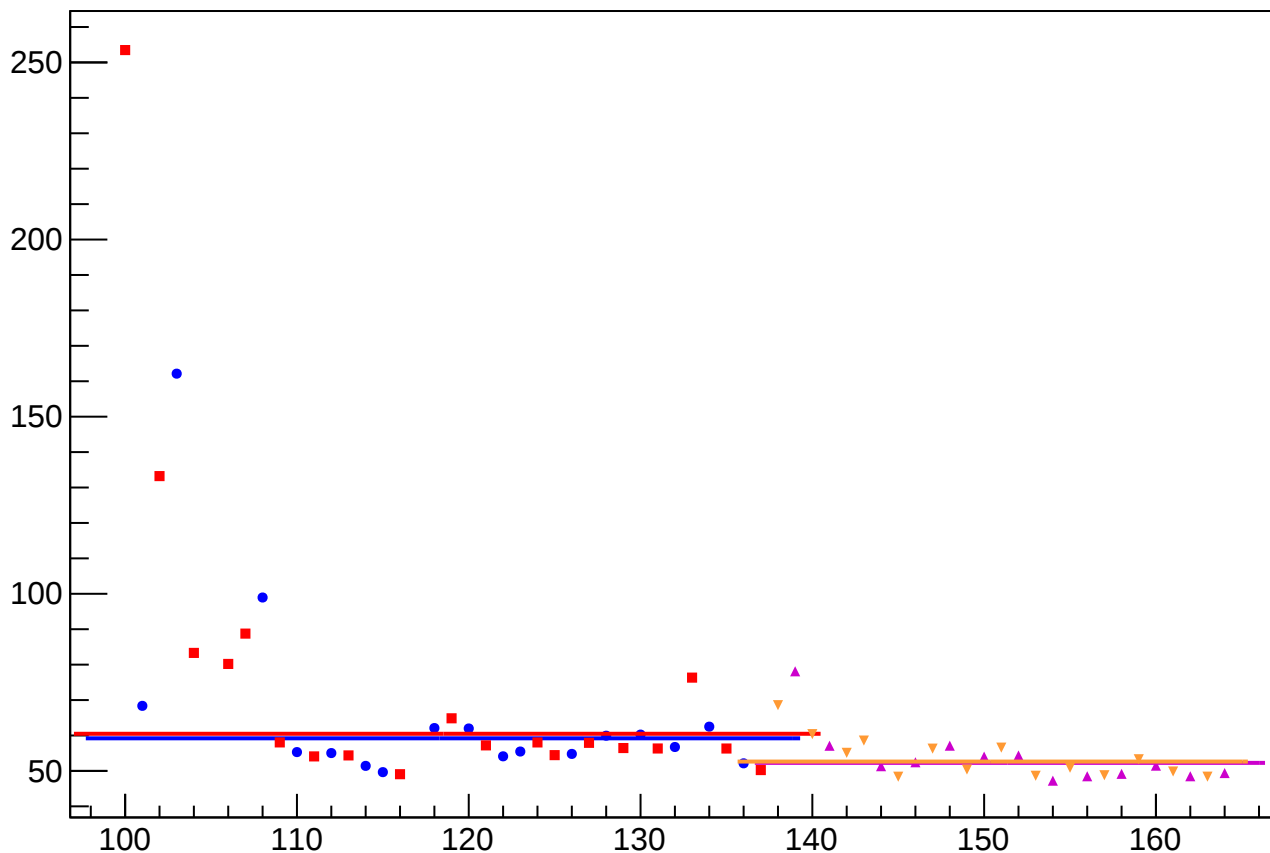
Right: 56.949 $\pm$ 16.760 χ^2 /NDF: 40.6/35

In: -0.907 $\pm$ 13.495 χ^2 /NDF:50.1/29

Out: -16.370 $\pm$ 13.436 χ^2 /NDF:54.2/32

All: -8.673 $\pm$ 9.521 χ^2 /NDF: 104.9/62

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: 52.638 $\pm$ 0.012 χ^2 /NDF: 186641.6/13

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

Left In: 52.269 $\pm$ 0.012 χ^2 /NDF: 235059.5/12

Left: 52.454 $\pm$ 0.008 χ^2 /NDF: 422210.9/26

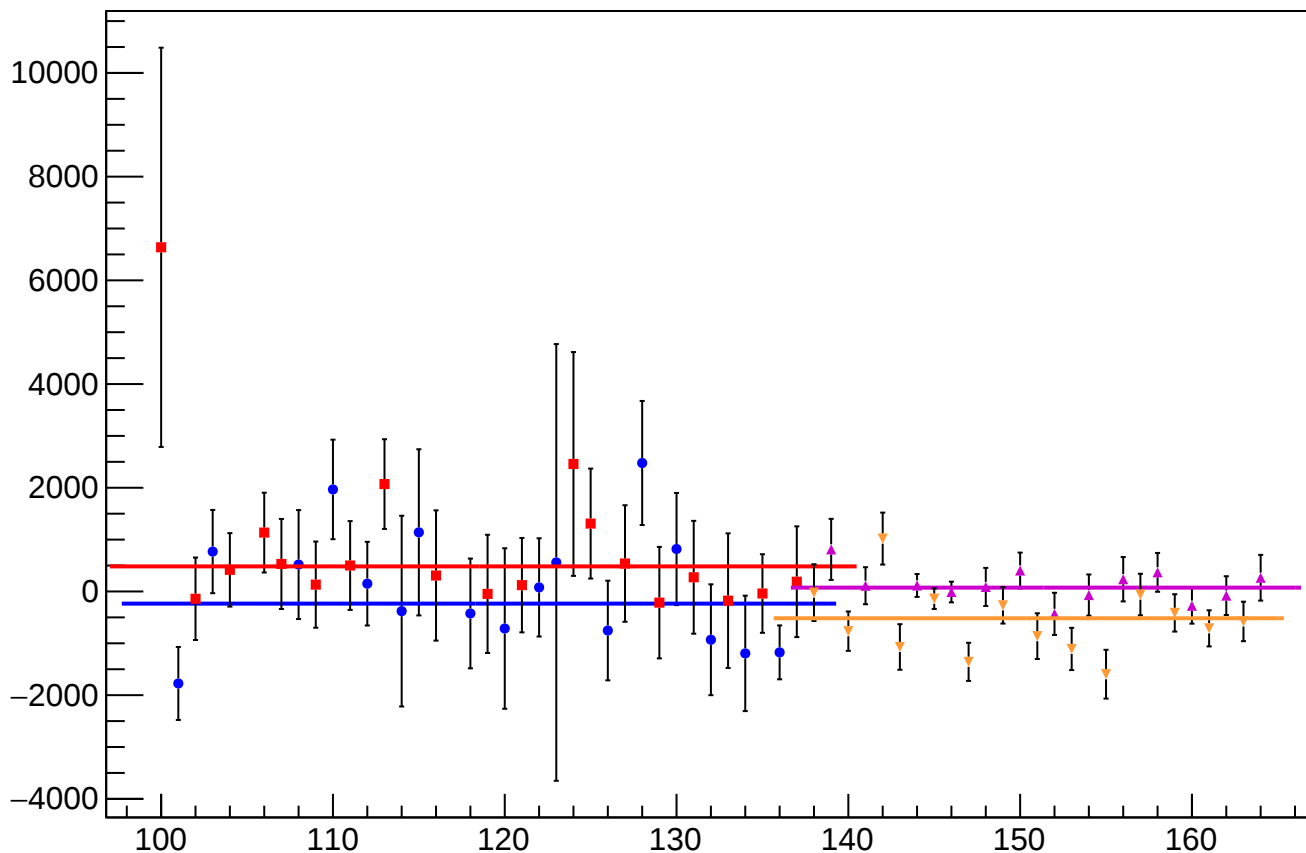
Right: 59.844 $\pm$ 0.012 χ^2 /NDF: 1348461.0/35

In: 54.508 $\pm$ 0.010 χ^2 /NDF: 1015930.3/29

Out: 55.168 $\pm$ 0.010 χ^2 /NDF: 1015672.0/32

All: 54.839 $\pm$ 0.007 χ^2 /NDF: 2034001.2/62

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -516.752 ± 97.483 χ^2/NDF : 31.3/13

Right Out: 483.305 ± 222.314 χ^2/NDF : 10.6/18

Left In: 73.822 ± 92.135 χ^2/NDF : 6.5/12

Left: -204.823 ± 66.960 χ^2/NDF : 57.2/26

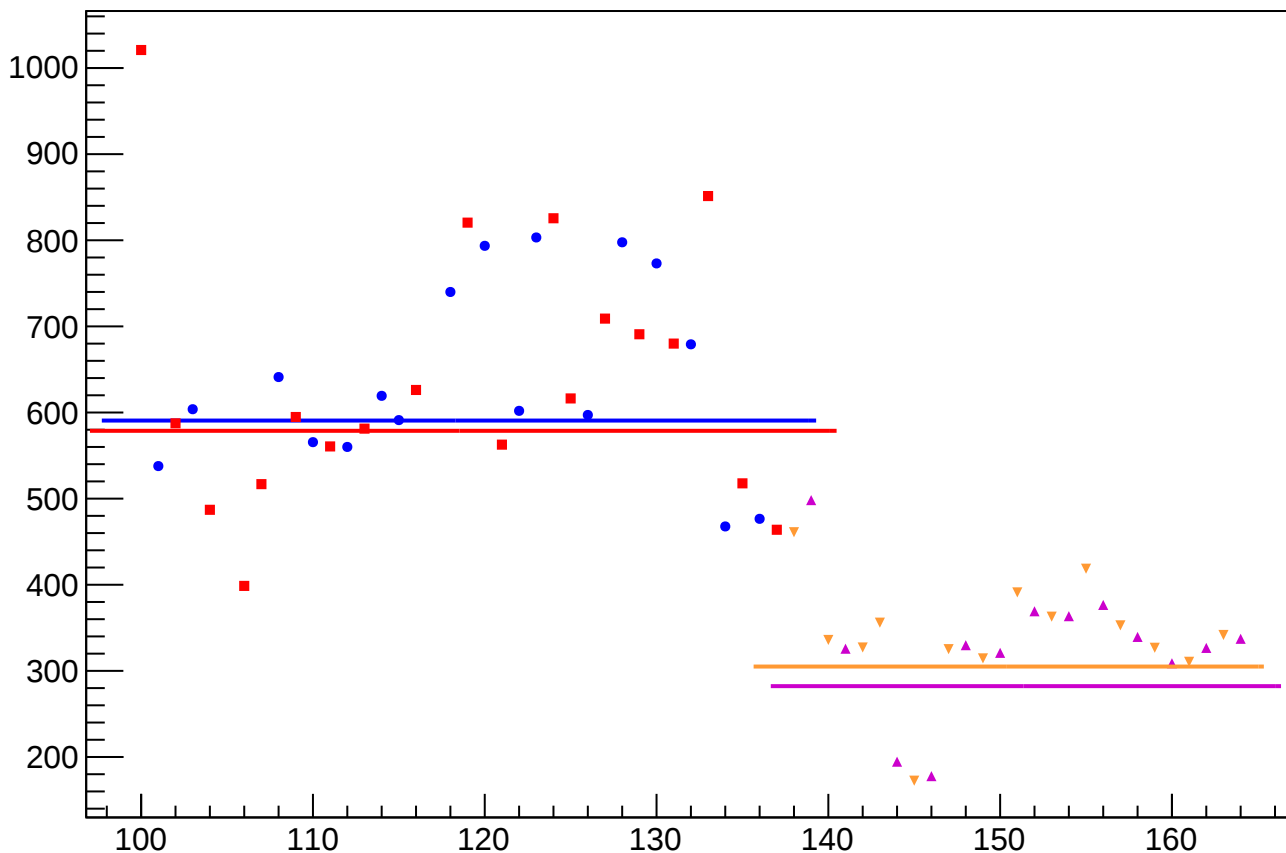
Right: 142.594 ± 161.133 χ^2/NDF : 39.7/35

In: 32.402 ± 85.723 χ^2/NDF : 32.2/29

Out: -355.475 ± 89.277 χ^2/NDF : 58.8/32

All: -153.663 ± 61.834 χ^2/NDF : 100.9/62

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: 305.021 $\pm$ 0.069 χ^2 /NDF:1398839.4/13

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

Left In: 282.265 $\pm$ 0.065 χ^2 /NDF:1612219.2/12

Left: 293.002 $\pm$ 0.047 χ^2 /NDF: 3068619.6/26

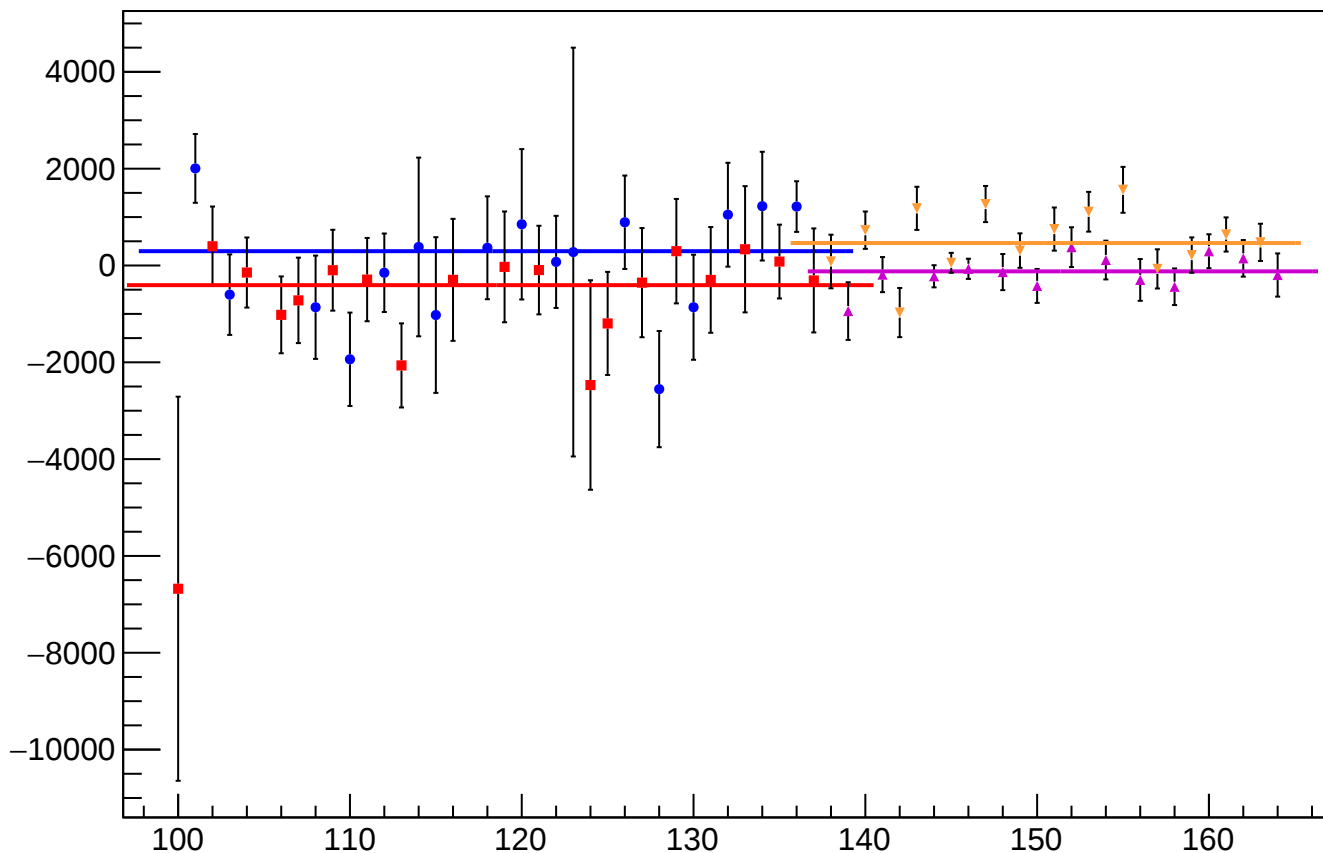
Right: 584.404 $\pm$ 0.114 χ^2 /NDF: 848765.8/35

In: 323.695 $\pm$ 0.061 χ^2 /NDF:4974550.6/29

Out: 349.165 $\pm$ 0.063 χ^2 /NDF:4435955.1/32

All: 335.913 $\pm$ 0.044 χ^2 /NDF: 9495197.6/62

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 464.230 $\pm$ 99.299 χ^2 /NDF:31.1/13

Right Out: -406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

Left In: -121.141 $\pm$ 94.258 χ^2 /NDF:7.6/12

Left: 156.308 $\pm$ 68.363 χ^2 /NDF: 56.9/26

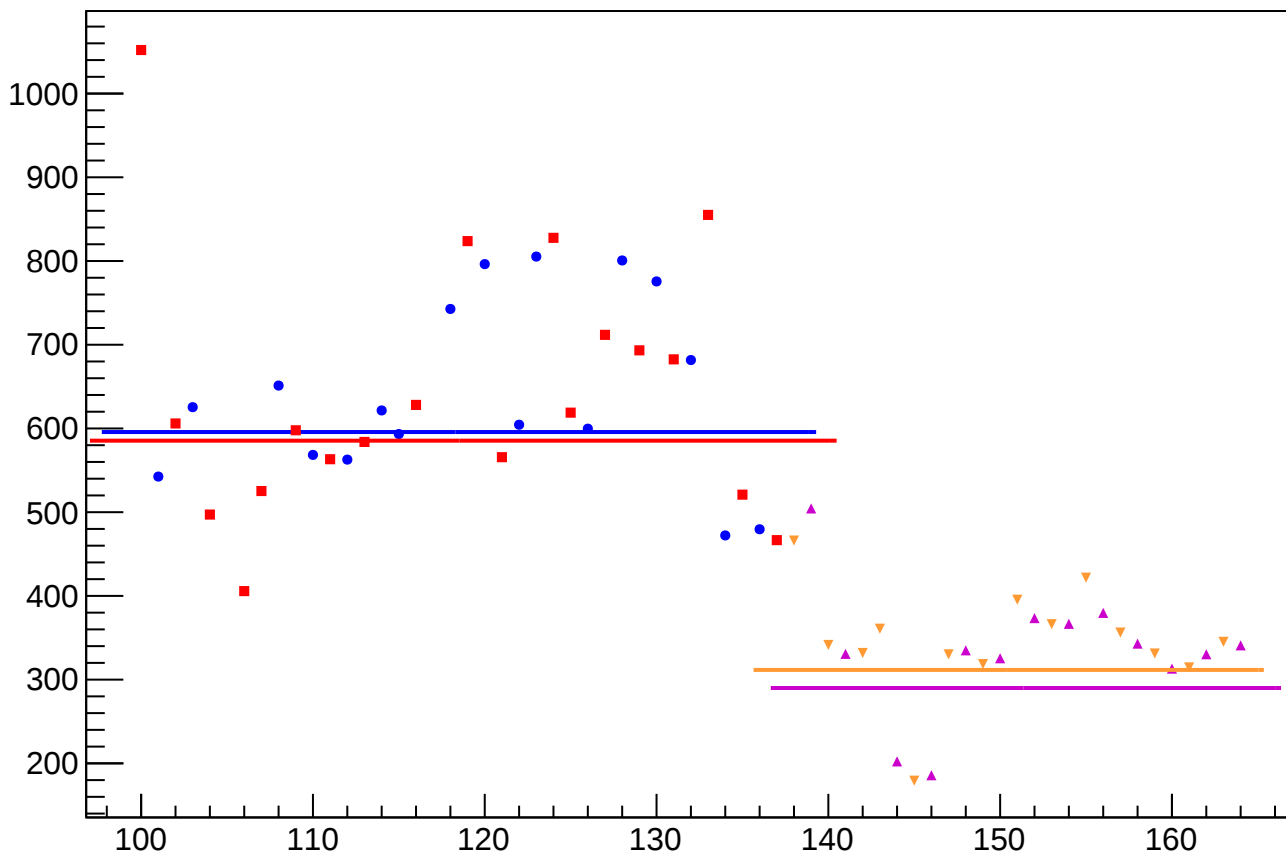
Right: -72.128 $\pm$ 162.748 χ^2 /NDF: 41.7/35

In: -63.777 $\pm$ 87.528 χ^2 /NDF:36.3/29

Out: 322.185 $\pm$ 90.836 χ^2 /NDF:54.6/32

All: 122.047 $\pm$ 63.029 χ^2 /NDF: 100.3/62

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 ± 0.167 χ^2/NDF : 350058.2/16

Left Out: 311.601 ± 0.070 χ^2/NDF : 1288263.4/13

Right Out: 585.421 ± 0.159 χ^2/NDF : 474472.3/18

Left In: 289.992 ± 0.067 χ^2/NDF : 1467413.5/12

Left: 300.234 ± 0.048 χ^2/NDF : 2805495.9/26

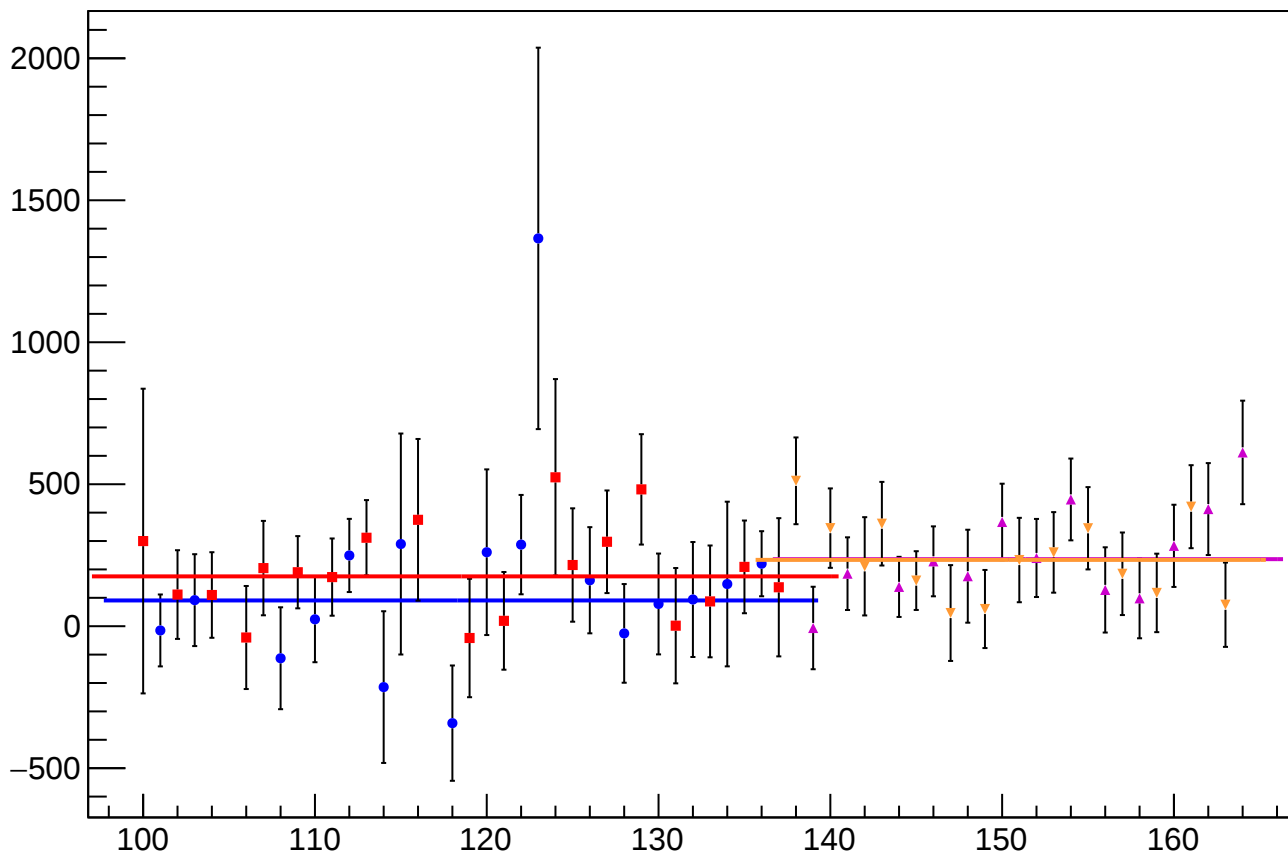
Right: 590.331 ± 0.115 χ^2/NDF : 826533.5/35

In: 332.097 ± 0.062 χ^2/NDF : 4715346.8/29

Out: 356.288 ± 0.064 χ^2/NDF : 4244617.0/32

All: 343.744 ± 0.045 χ^2/NDF : 9033513.6/62

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 233.623+/-38.087 χ^2/NDF :12.3/13

Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18

Left In: 236.136+/-38.691 χ^2/NDF :14.0/12

Left: 234.859+/-27.143 χ^2/NDF : 26.3/26

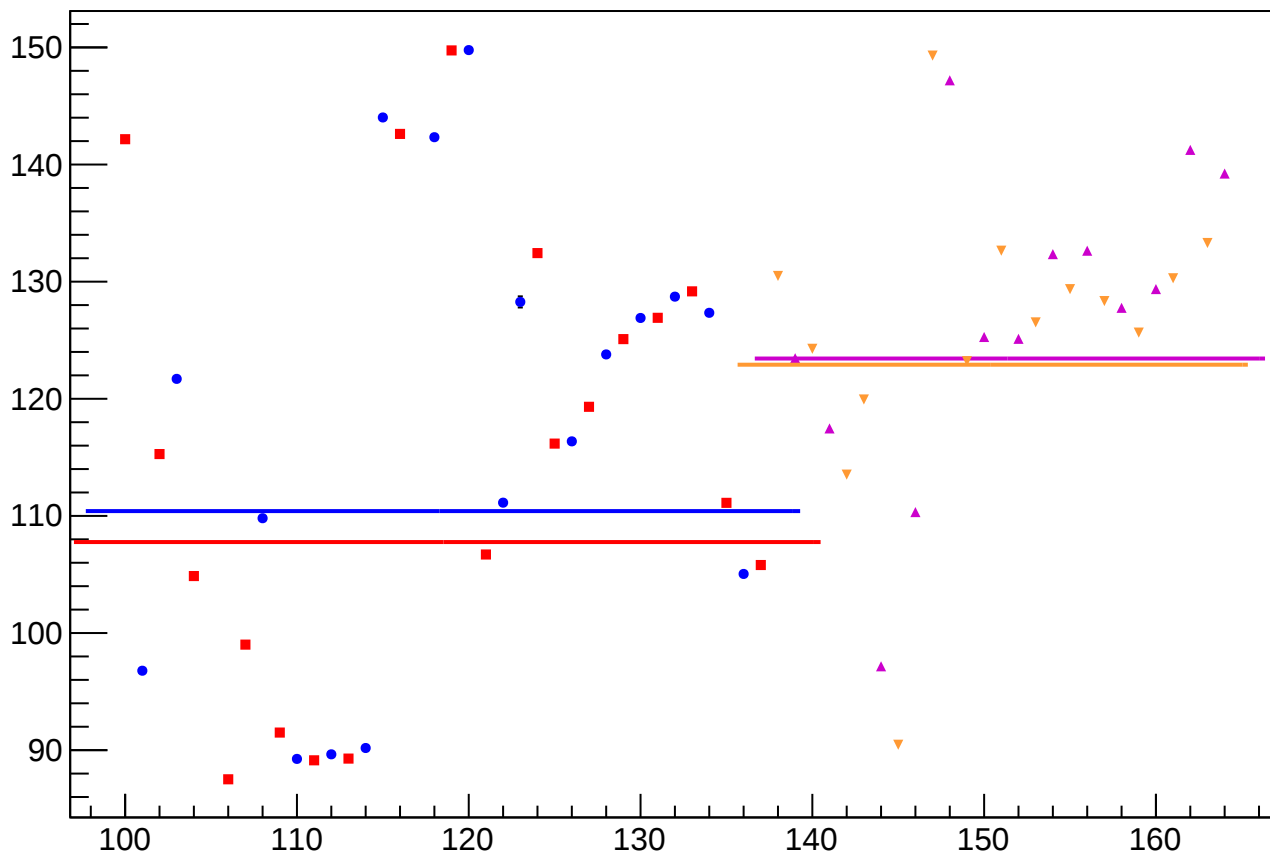
Right: 135.317+/-29.814 χ^2/NDF : 29.2/35

In: 171.592+/-28.855 χ^2/NDF :37.2/29

Out: 206.763+/-27.936 χ^2/NDF :23.6/32

All: 189.746+/-20.071 χ^2/NDF : 61.6/62

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411+/-0.031 χ^2/NDF : 296425.4/16

Left Out: 122.910+/-0.027 χ^2/NDF : 289782.9/13

Right Out: 107.768+/-0.029 χ^2/NDF : 344441.4/18

Left In: 123.437+/-0.027 χ^2/NDF : 252692.5/12

Left: 123.169+/-0.019 χ^2/NDF : 542663.8/26

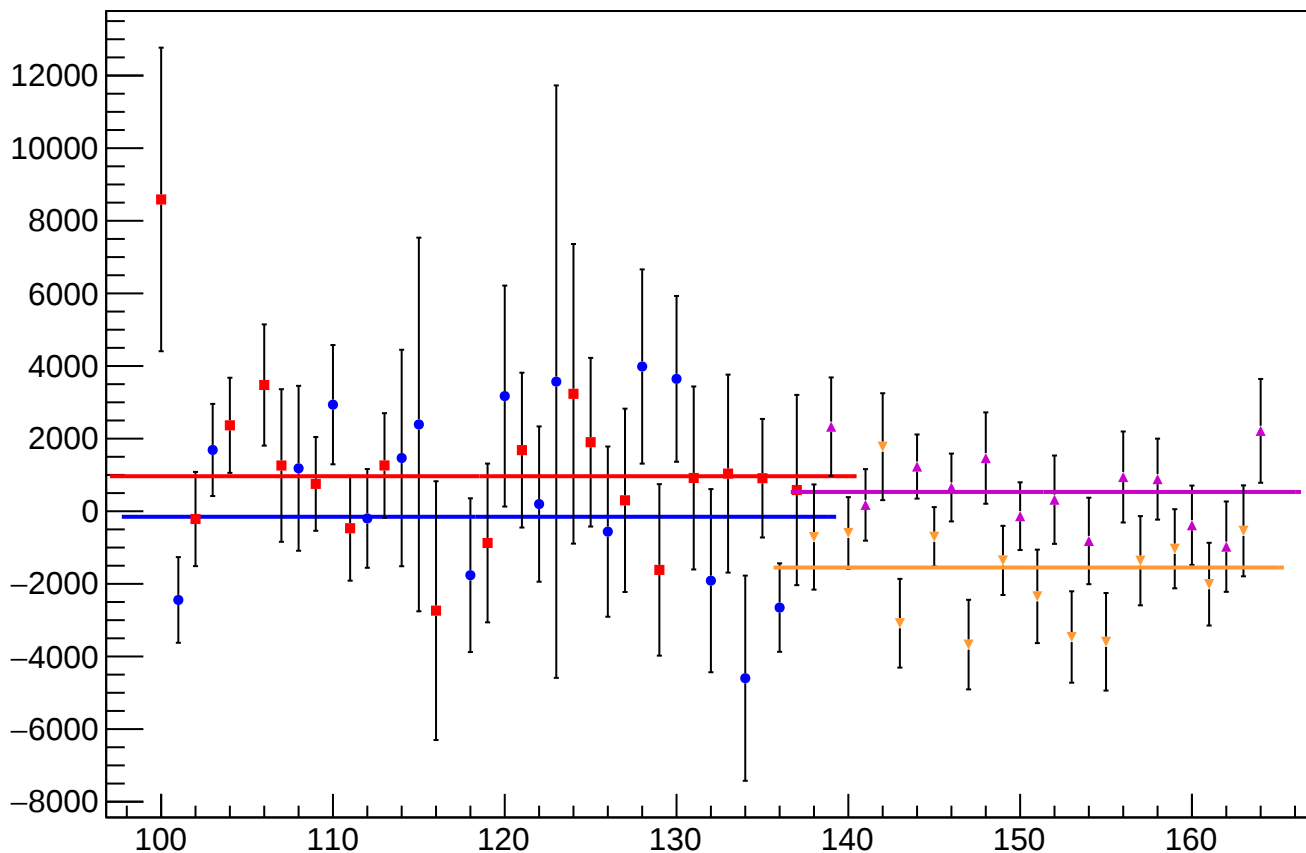
Right: 109.020+/-0.021 χ^2/NDF : 644787.1/35

In: 117.656+/-0.020 χ^2/NDF : 649719.8/29

Out: 115.914+/-0.020 χ^2/NDF : 780270.7/32

All: 116.757+/-0.014 χ^2/NDF : 1433750.5/62

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -1549.988+/-307.306 χ^2/NDF : 18.1/13

Right Out: 964.716+/-435.111 χ^2/NDF : 12.3/18

Left In: 531.610+/-307.436 χ^2/NDF : 8.7/12

Left: -509.629+/-217.344 χ^2/NDF : 49.7/26

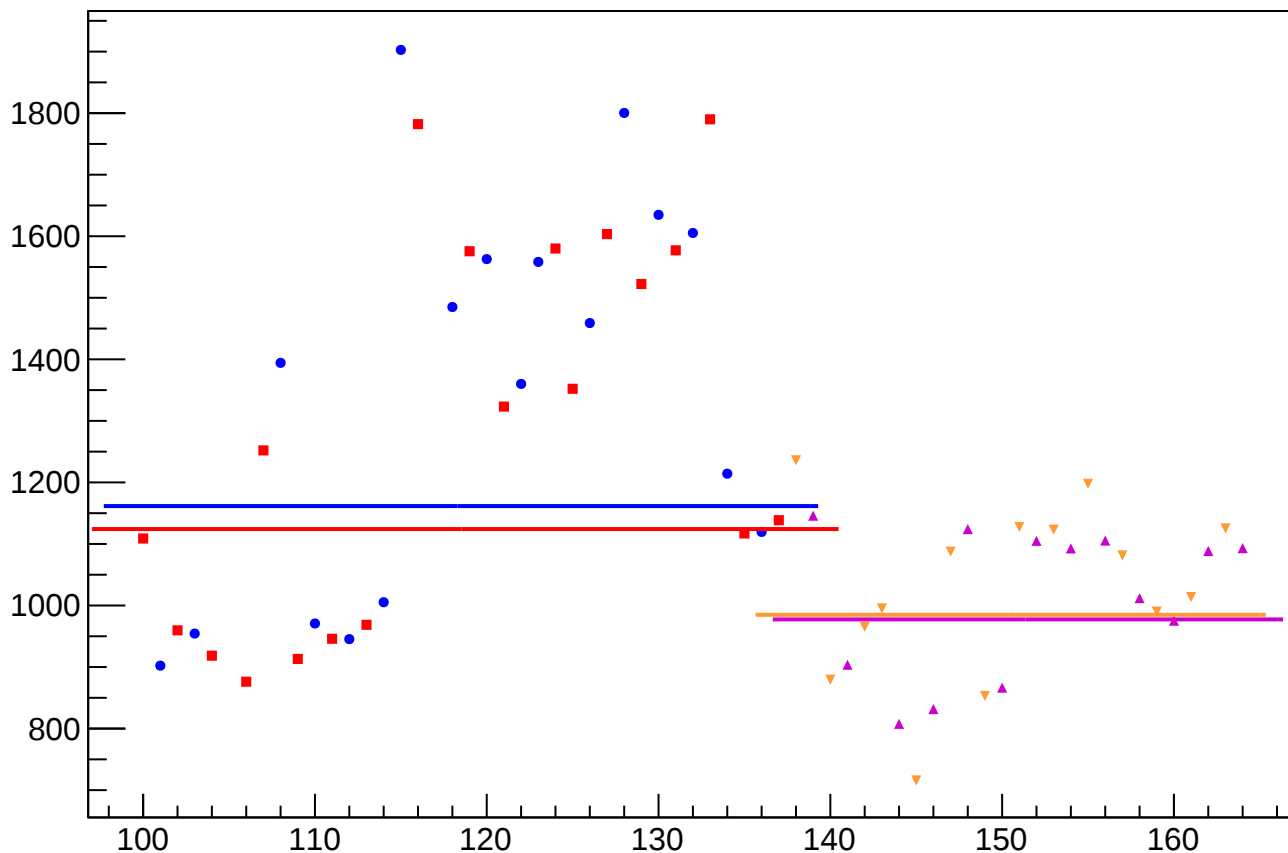
Right: 442.914+/-317.632 χ^2/NDF : 40.0/35

In: 323.402+/-256.412 χ^2/NDF : 34.8/29

Out: -713.076+/-251.013 χ^2/NDF : 52.7/32

All: -205.862+/-179.371 χ^2/NDF : 95.9/62

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 +/- 0.329 χ^2/NDF : 695906.9/16

Left Out: 984.894 +/- 0.217 χ^2/NDF : 489859.2/13

Right Out: 1124.235 +/- 0.308 χ^2/NDF : 767790.0/18

Left In: 977.398 +/- 0.217 χ^2/NDF : 312773.7/12

Left: 981.148 +/- 0.154 χ^2/NDF : 803227.7/26

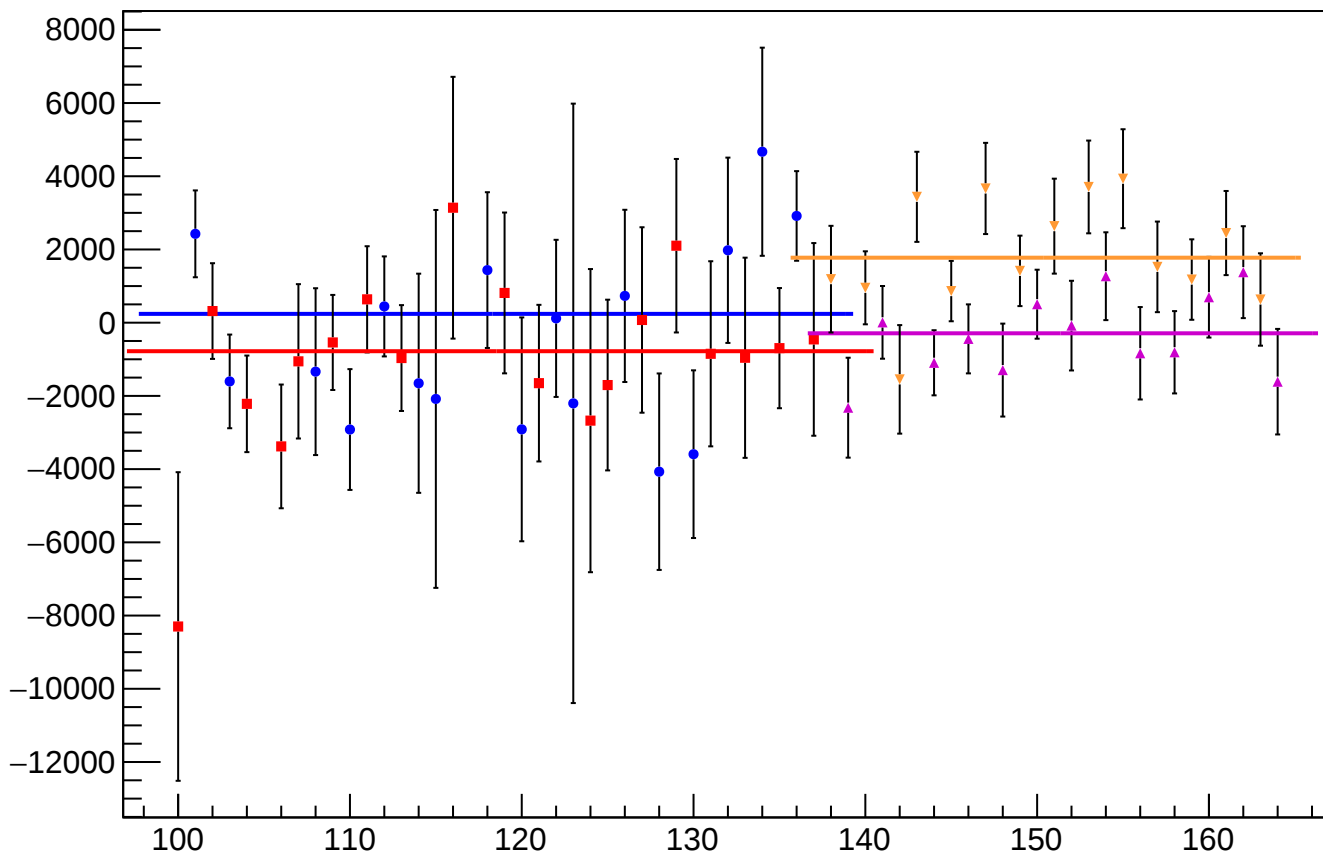
Right: 1141.655 +/- 0.225 χ^2/NDF : 1470560.5/35

In: 1033.446 +/- 0.181 χ^2/NDF : 1227060.0/29

Out: 1031.268 +/- 0.177 χ^2/NDF : 1394495.3/32

All: 1032.334 +/- 0.127 χ^2/NDF : 2621629.0/62

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1775.402 $\pm$ 309.782 χ^2 /NDF:18.2/13

Right Out: -779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

Left In: -289.829 $\pm$ 309.964 χ^2 /NDF:10.0/12

Left: 743.393 $\pm$ 219.113 χ^2 /NDF: 50.4/26

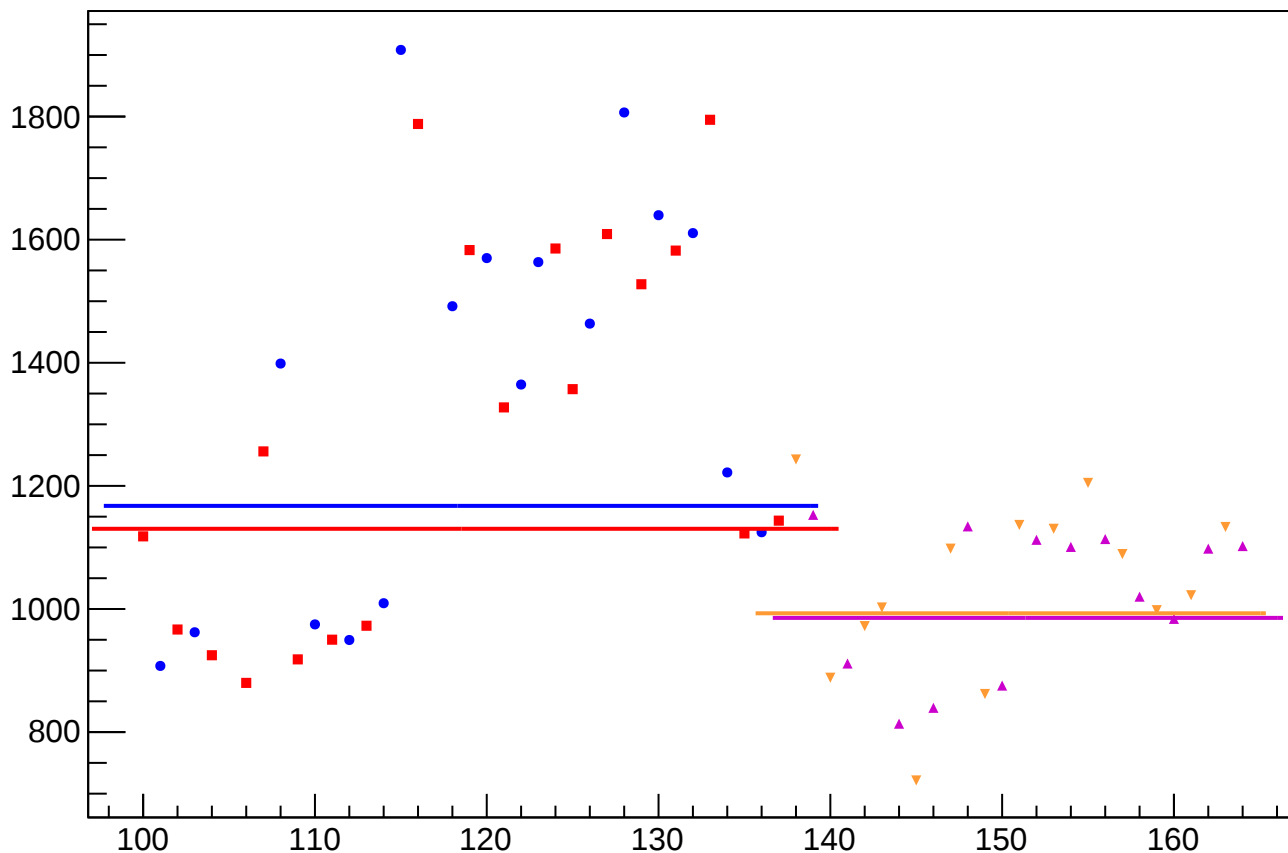
Right: -302.513 $\pm$ 319.286 χ^2 /NDF: 39.7/35

In: -127.591 $\pm$ 258.261 χ^2 /NDF:35.7/29

Out: 922.285 $\pm$ 252.818 χ^2 /NDF:53.2/32

All: 408.526 $\pm$ 180.663 χ^2 /NDF: 97.4/62

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2/NDF : 690485.6/16

Left Out: 993.018 $\pm$ 0.219 χ^2/NDF : 485054.3/13

Right Out: 1130.301 $\pm$ 0.309 χ^2/NDF : 761503.6/18

Left In: 985.561 $\pm$ 0.219 χ^2/NDF : 310280.0/12

Left: 989.292 $\pm$ 0.155 χ^2/NDF : 795913.5/26

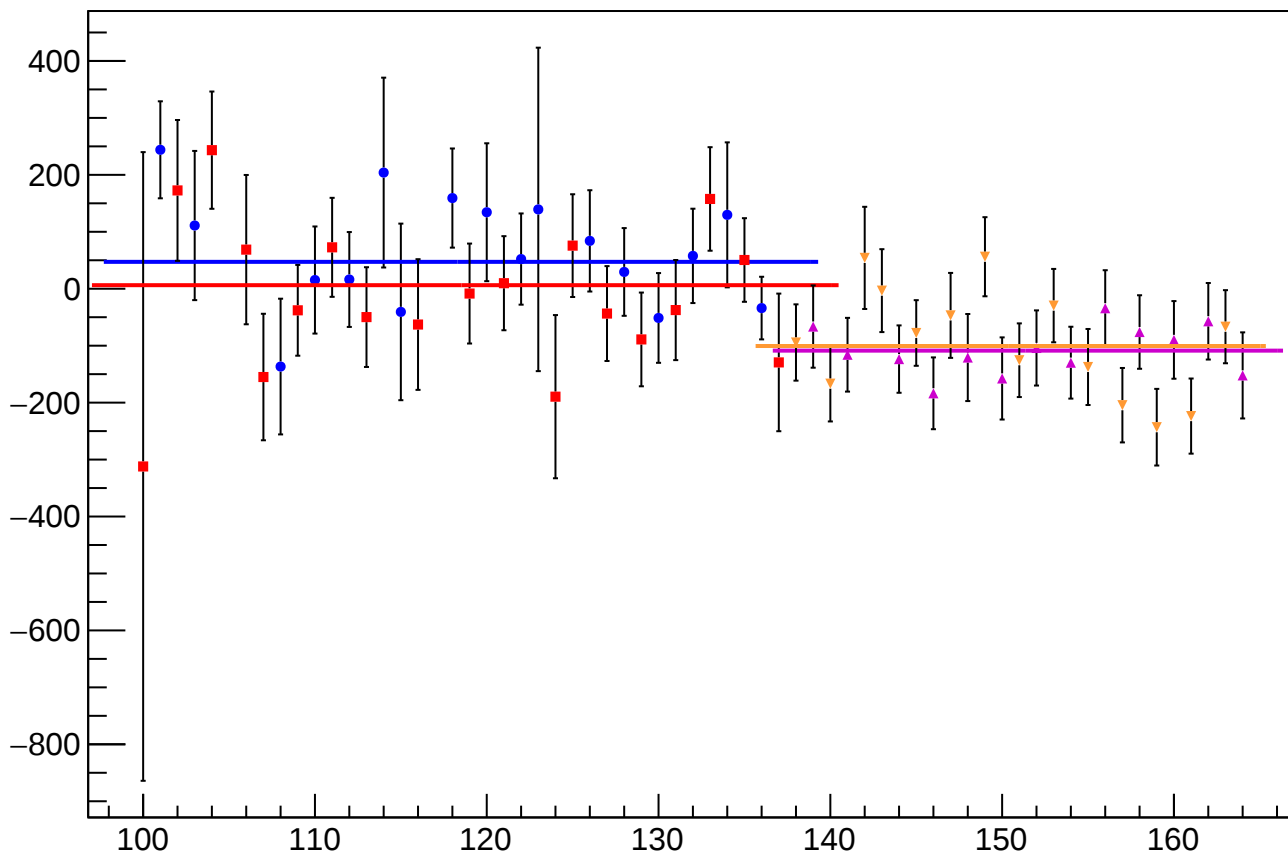
Right: 1147.705 $\pm$ 0.226 χ^2/NDF : 1458761.3/35

In: 1041.207 $\pm$ 0.183 χ^2/NDF : 1211559.3/29

Out: 1038.864 $\pm$ 0.179 χ^2/NDF : 1377727.6/32

All: 1040.011 $\pm$ 0.128 χ^2/NDF : 2589370.9/62

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220 ± 22.565 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -100.569 ± 18.011 $\chi^2/\text{NDF}: 24.0/13$

Right Out: 6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

Left In: -108.691 ± 18.609 $\chi^2/\text{NDF}: 4.9/12$

Left: -104.497 ± 12.942 $\chi^2/\text{NDF}: 29.0/26$

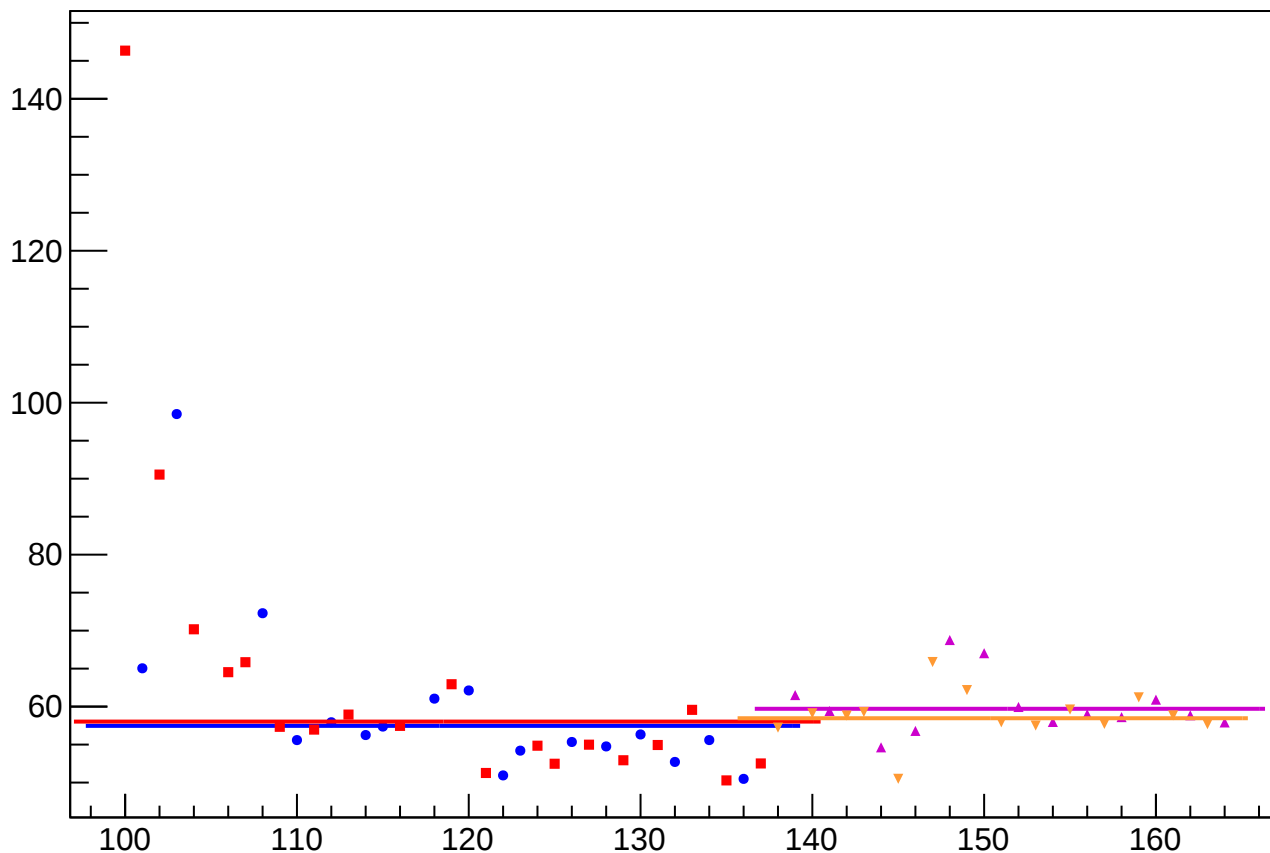
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -45.577 ± 14.357 $\chi^2/\text{NDF}: 49.4/29$

Out: -58.002 ± 13.969 $\chi^2/\text{NDF}: 58.3/32$

All: -51.960 ± 10.012 $\chi^2/\text{NDF}: 108.1/62$

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: 58.468 $\pm$ 0.013 χ^2 /NDF: 69945.5/13

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

Left In: 59.712 $\pm$ 0.013 χ^2 /NDF: 73298.1/12

Left: 59.070 $\pm$ 0.009 χ^2 /NDF: 147860.3/26

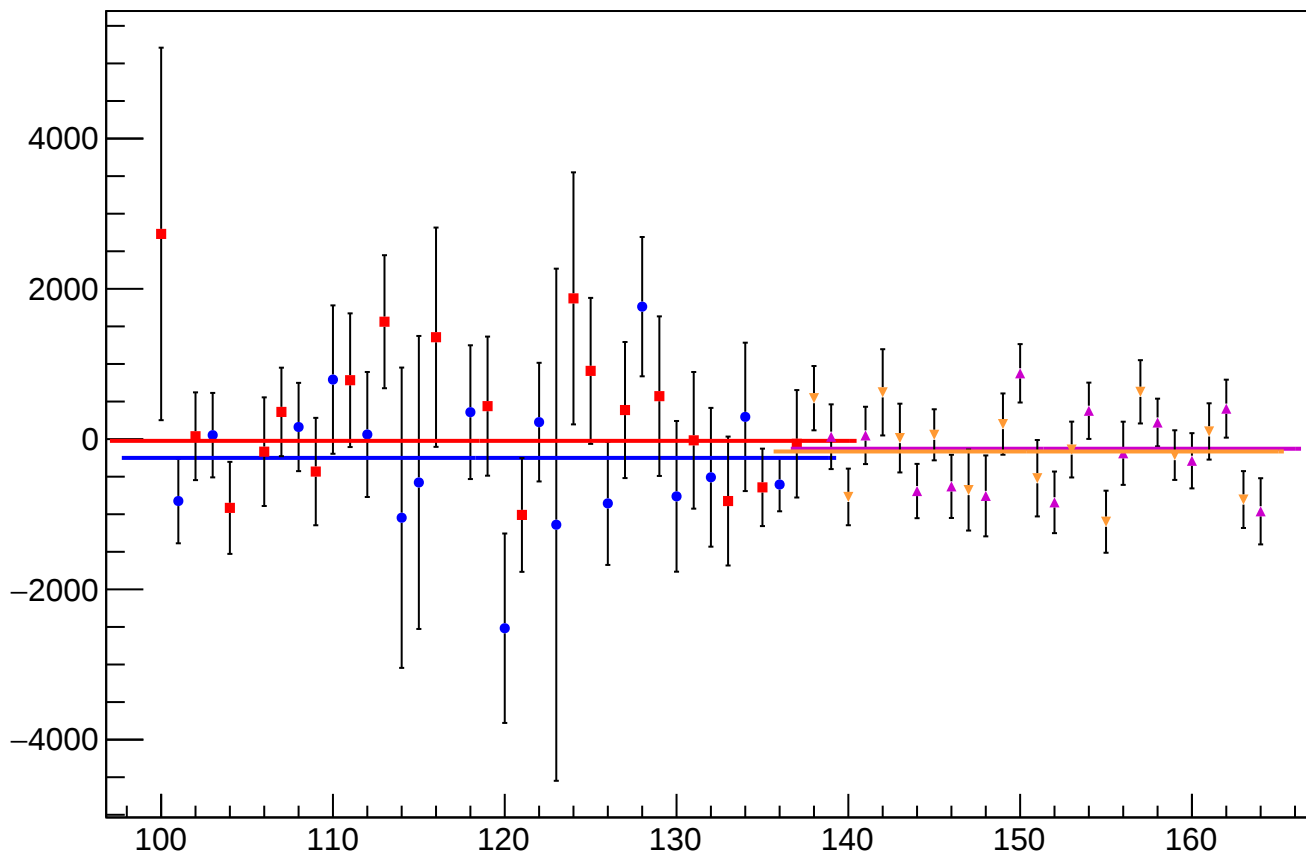
Right: 57.752 $\pm$ 0.011 χ^2 /NDF: 608576.3/35

In: 58.803 $\pm$ 0.010 χ^2 /NDF: 392255.5/29

Out: 58.292 $\pm$ 0.010 χ^2 /NDF: 371210.9/32

All: 58.540 $\pm$ 0.007 χ^2 /NDF: 764765.1/62

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: -164.665+/-108.906 χ^2/NDF : 22.1/13

Right Out: -23.314+/-181.834 χ^2/NDF : 16.1/18

Left In: -128.208+/-109.396 χ^2/NDF : 24.0/12

Left: -146.519+/-77.181 χ^2/NDF : 46.1/26

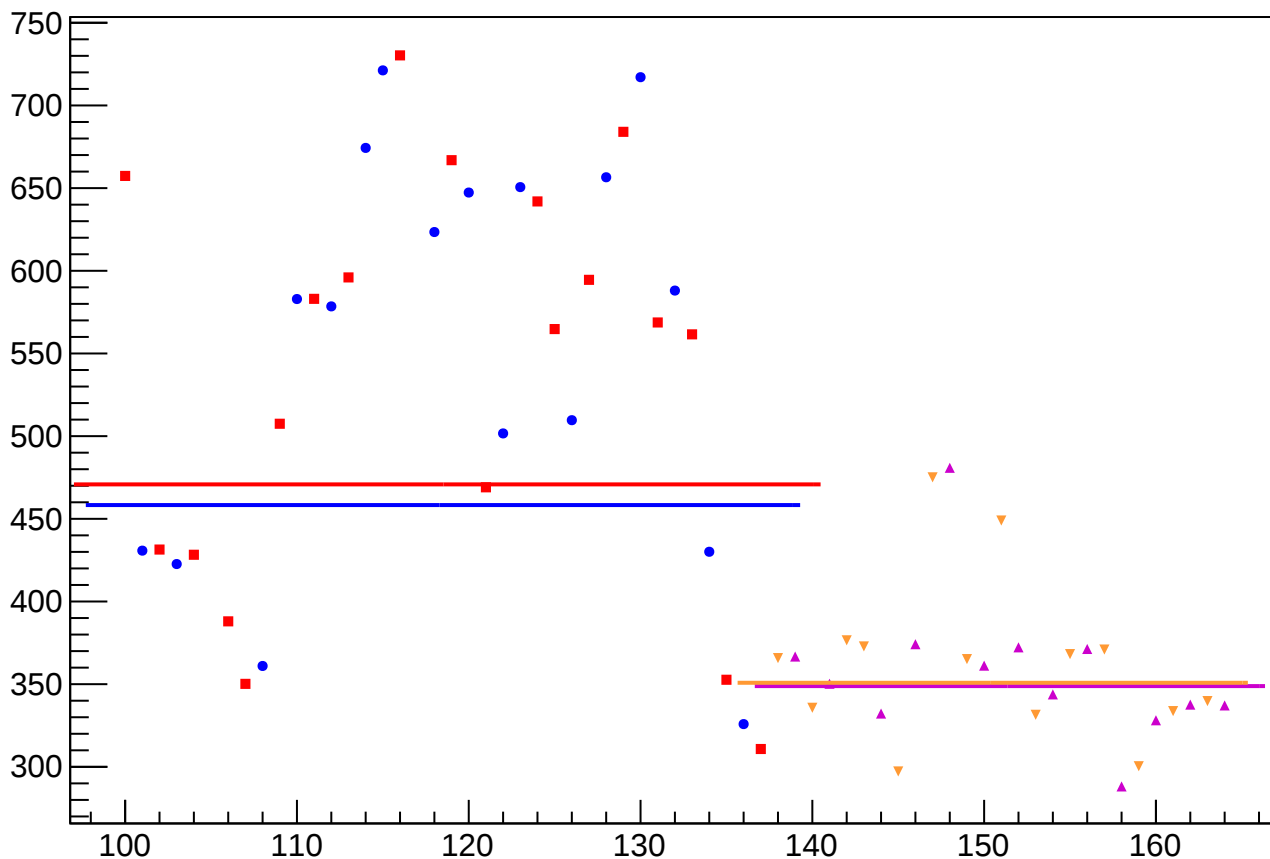
Right: -135.327+/-129.367 χ^2/NDF : 31.1/35

In: -160.029+/-94.044 χ^2/NDF : 38.6/29

Out: -127.347+/-93.430 χ^2/NDF : 38.6/32

All: -143.581+/-66.281 χ^2/NDF : 77.2/62

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: 350.851 $\pm$ 0.077 χ^2 /NDF: 313423.5/13

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

Left In: 348.839 $\pm$ 0.077 χ^2 /NDF: 232277.5/12

Left: 349.849 $\pm$ 0.055 χ^2 /NDF: 546040.5/26

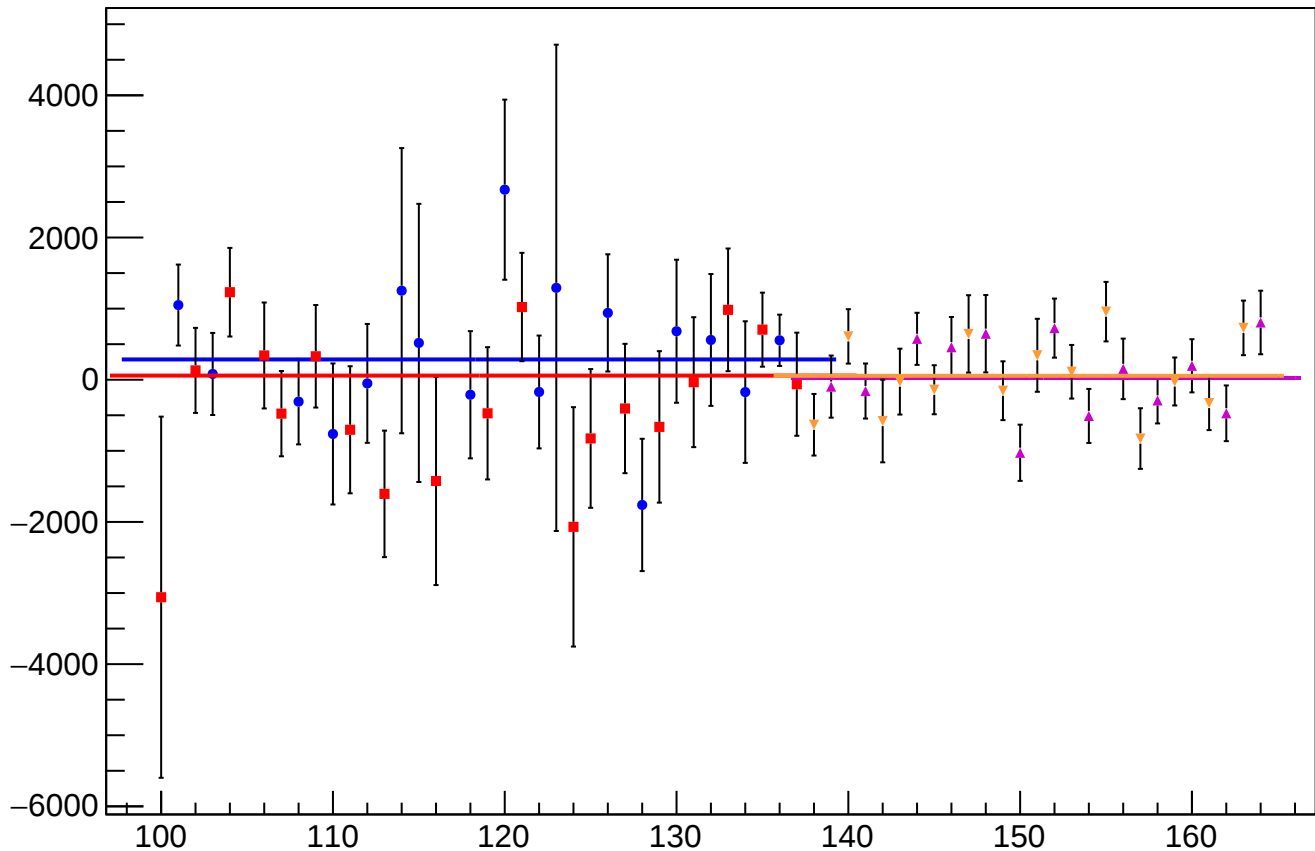
Right: 464.653 $\pm$ 0.091 χ^2 /NDF: 1660506.8/35

In: 377.412 $\pm$ 0.066 χ^2 /NDF: 1632272.7/29

Out: 382.526 $\pm$ 0.066 χ^2 /NDF: 1732889.8/32

All: 379.986 $\pm$ 0.047 χ^2 /NDF: 3368139.0/62

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: 55.056 $\pm$ 110.474 χ^2 /NDF:21.0/13

Right Out: 58.001 $\pm$ 184.074 χ^2 /NDF: 19.2/18

Left In: 24.229 $\pm$ 111.040 χ^2 /NDF:22.7/12

Left: 39.721 $\pm$ 78.316 χ^2 /NDF: 43.8/26

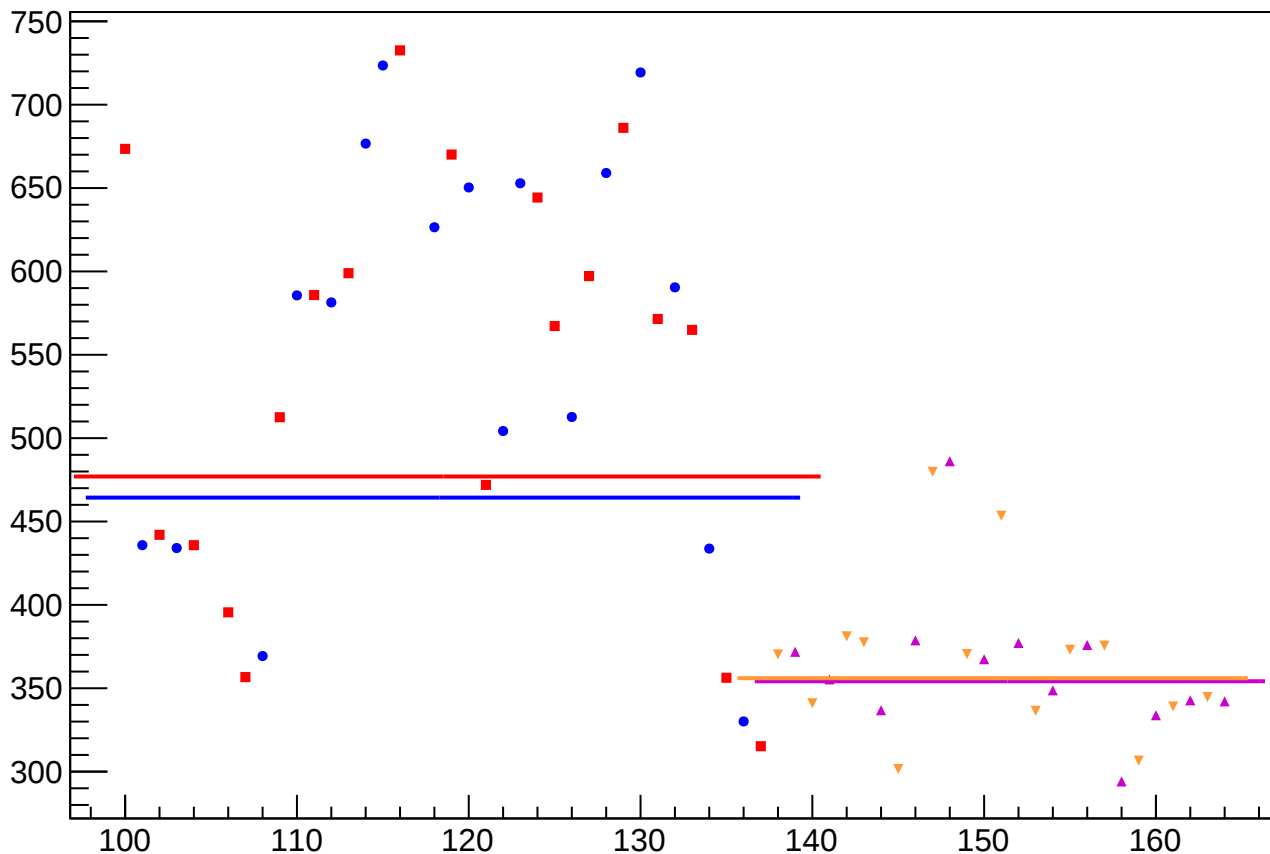
Right: 170.332 $\pm$ 130.927 χ^2 /NDF: 35.1/35

In: 92.696 $\pm$ 95.377 χ^2 /NDF:39.4/29

Out: 55.836 $\pm$ 94.724 χ^2 /NDF:40.2/32

All: 74.139 $\pm$ 67.210 χ^2 /NDF: 79.6/62

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 356.028 $\pm$ 0.078 χ^2 /NDF:302847.9/13

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

Left In: 354.188 $\pm$ 0.079 χ^2 /NDF:223881.7/12

Left: 355.113 $\pm$ 0.055 χ^2 /NDF: 527005.8/26

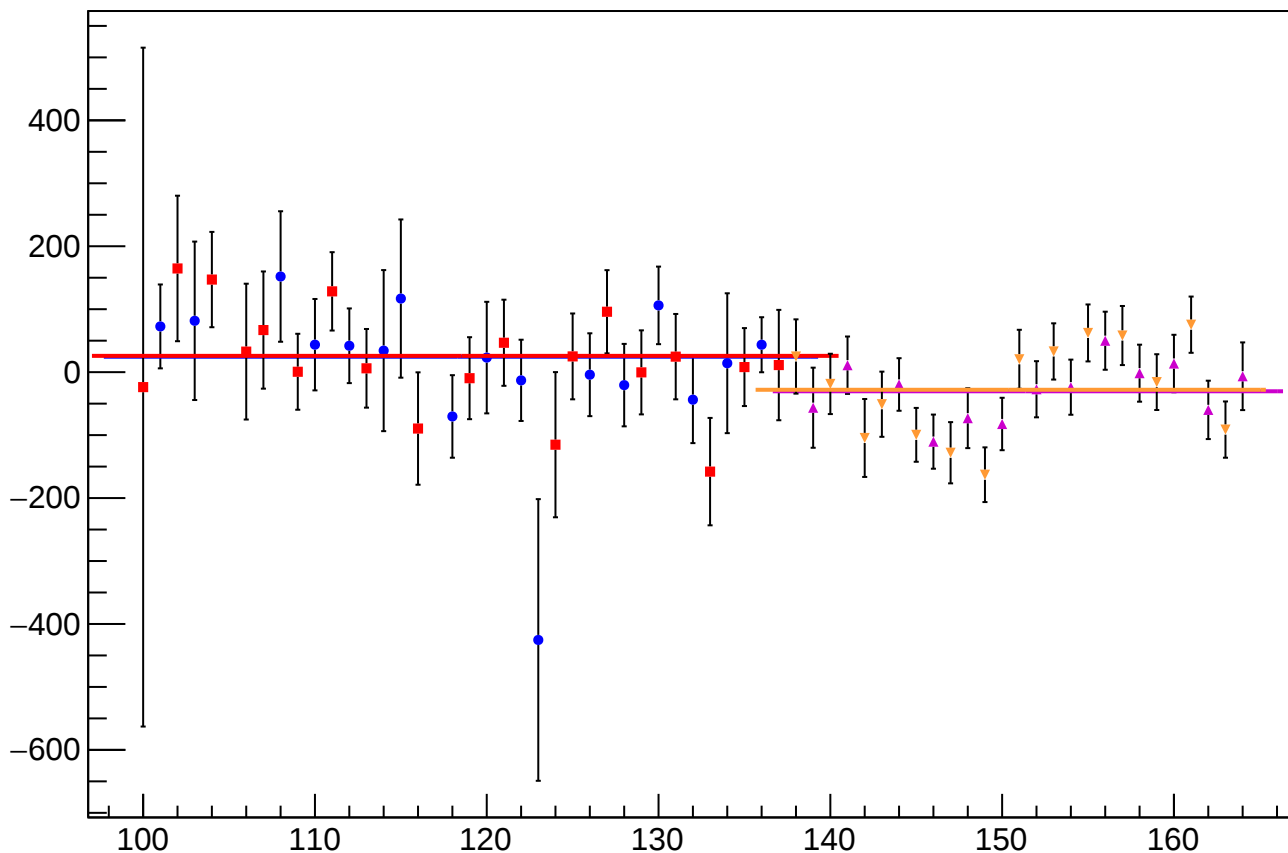
Right: 470.740 $\pm$ 0.093 χ^2 /NDF: 1599897.5/35

In: 383.071 $\pm$ 0.067 χ^2 /NDF:1585854.7/29

Out: 388.060 $\pm$ 0.067 χ^2 /NDF:1687119.2/32

All: 385.582 $\pm$ 0.048 χ^2 /NDF: 3275729.3/62

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: -27.987 $\pm$ 12.631 χ^2 /NDF:37.0/13

Right Out: 25.884 $\pm$ 17.386 χ^2 /NDF: 16.8/18

Left In: -30.368 $\pm$ 12.767 χ^2 /NDF:11.9/12

Left: -29.165 $\pm$ 8.979 χ^2 /NDF: 48.9/26

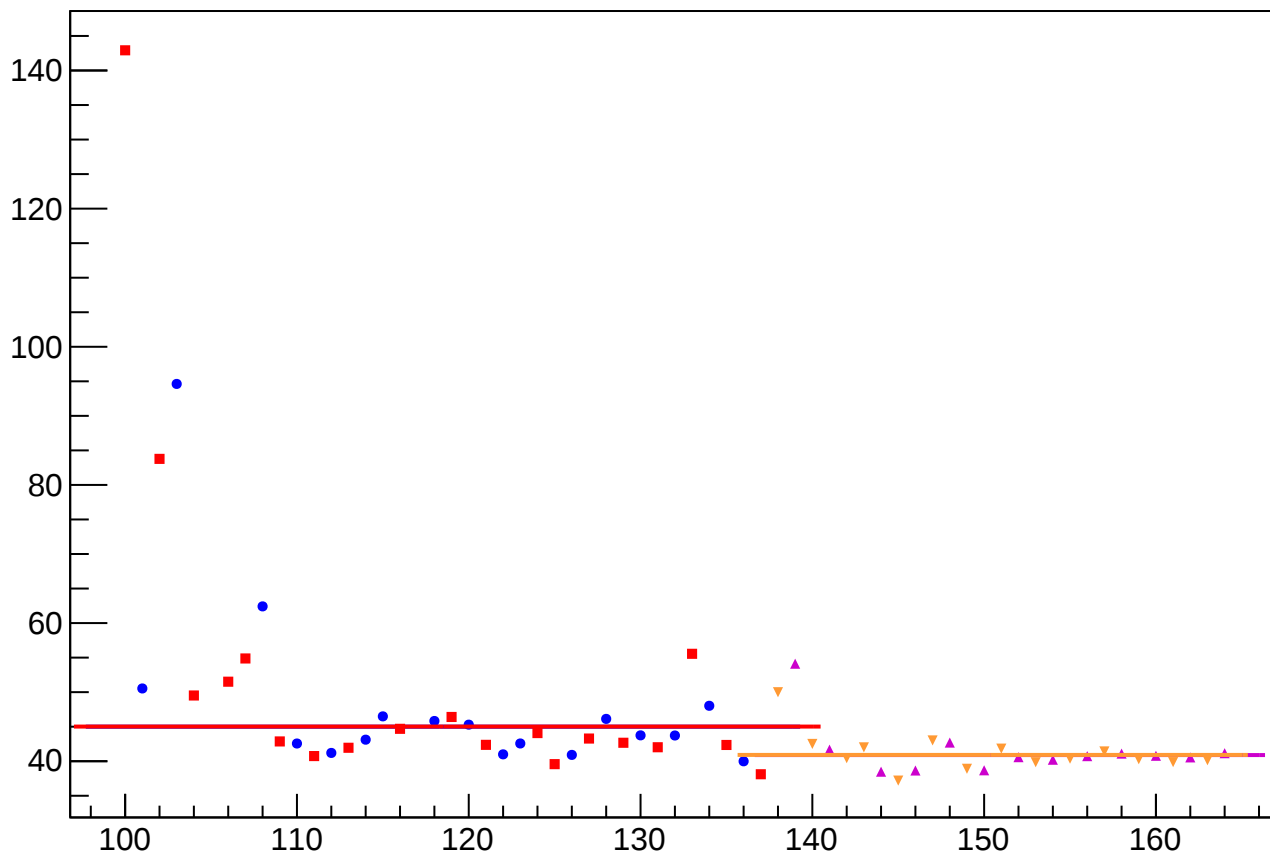
Right: 25.251 $\pm$ 12.451 χ^2 /NDF: 29.8/35

In: -11.756 $\pm$ 10.382 χ^2 /NDF:31.2/29

Out: -9.377 $\pm$ 10.219 χ^2 /NDF:60.0/32

All: -10.547 $\pm$ 7.283 χ^2 /NDF: 91.2/62

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 40.913 $\pm$ 0.009 χ^2 /NDF: 78107.7/13

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

Left In: 40.892 $\pm$ 0.009 χ^2 /NDF: 108377.9/12

Left: 40.903 $\pm$ 0.006 χ^2 /NDF: 186488.4/26

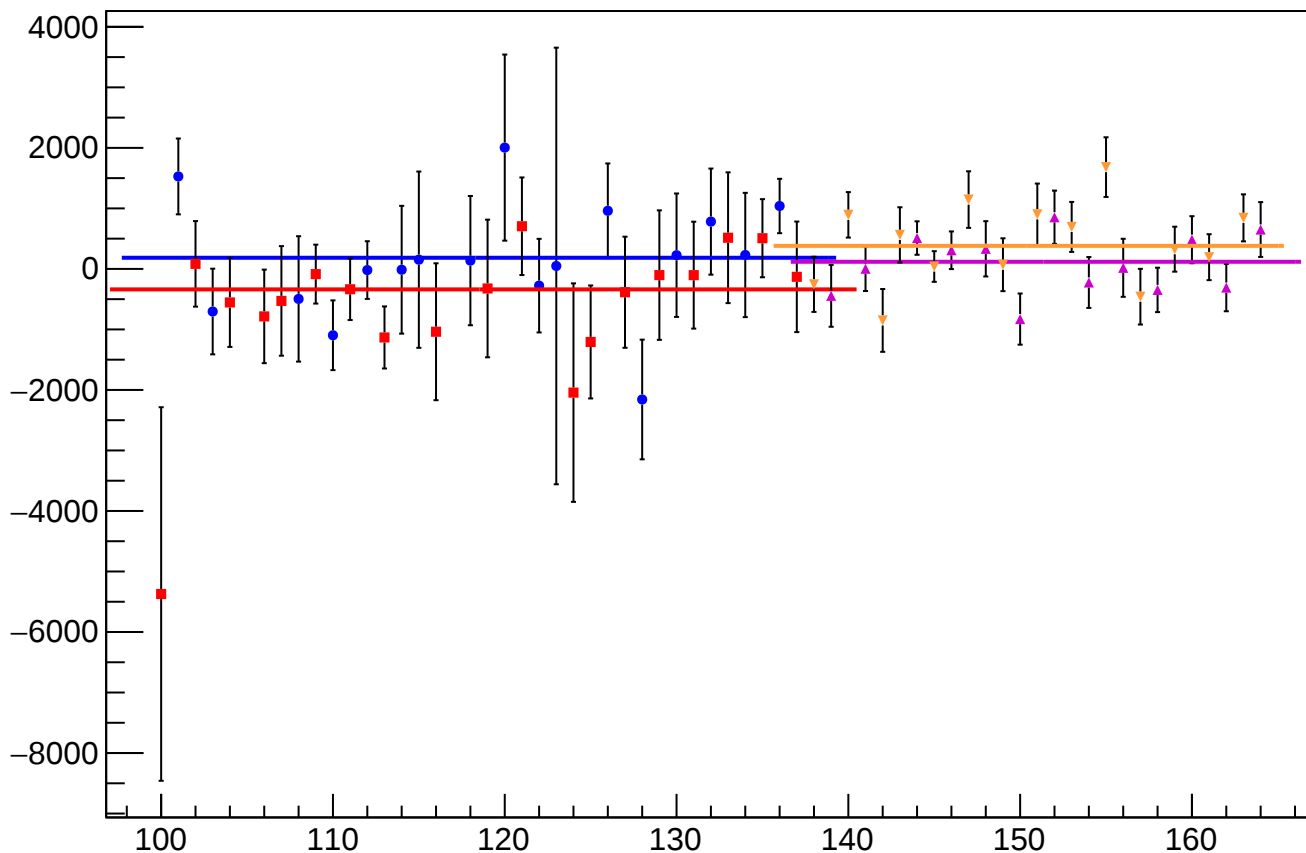
Right: 45.009 $\pm$ 0.009 χ^2 /NDF: 853862.6/35

In: 42.284 $\pm$ 0.007 χ^2 /NDF: 616916.0/29

Out: 42.331 $\pm$ 0.007 χ^2 /NDF: 566546.9/32

All: 42.308 $\pm$ 0.005 χ^2 /NDF: 1183484.2/62

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: 381.108 $\pm$ 108.341 χ^2 /NDF:28.2/13

Right Out: -338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

Left In: 117.952 $\pm$ 108.076 χ^2 /NDF:17.5/12

Left: 249.208 $\pm$ 76.515 χ^2 /NDF: 48.7/26

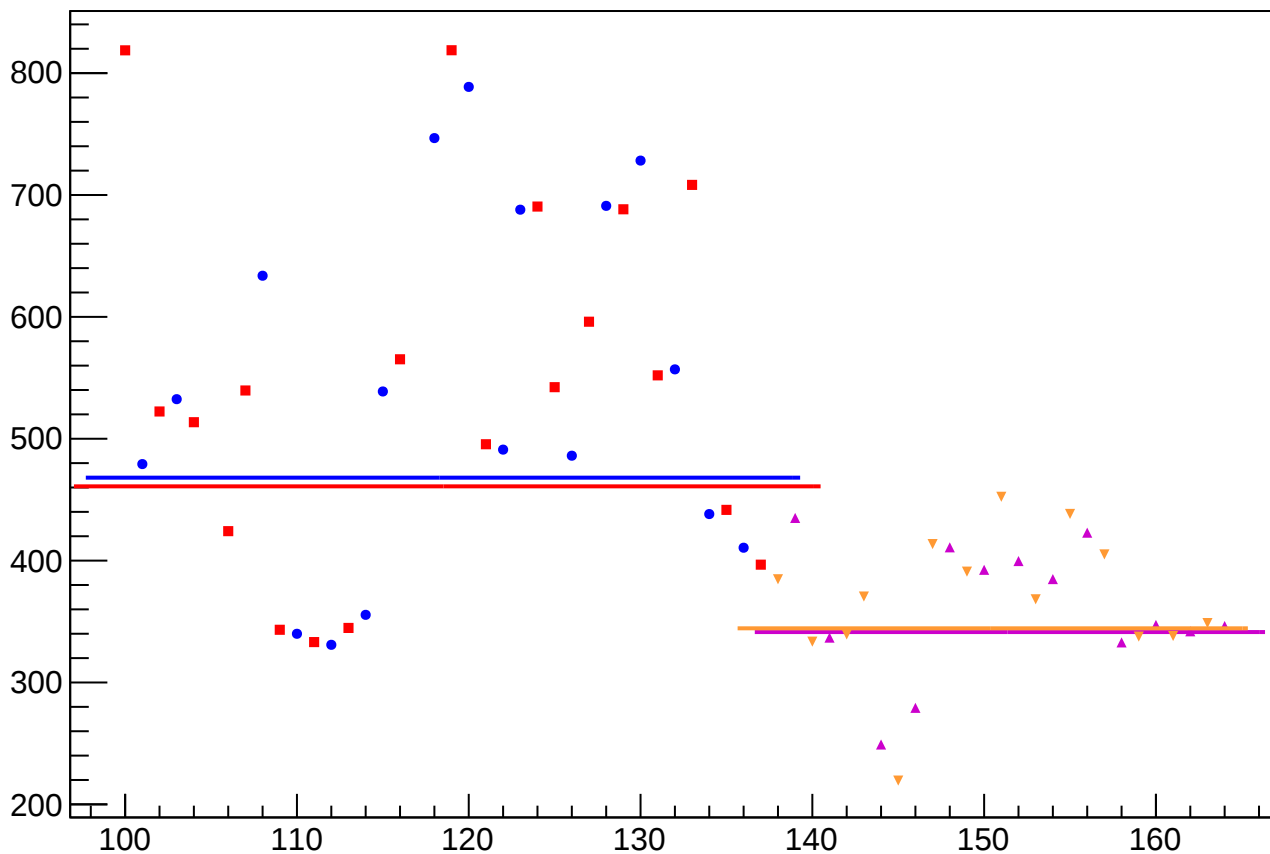
Right: -90.096 $\pm$ 129.965 χ^2 /NDF: 40.7/35

In: 134.330 $\pm$ 93.766 χ^2 /NDF:41.8/29

Out: 188.816 $\pm$ 92.739 χ^2 /NDF:52.5/32

All: 161.873 $\pm$ 65.936 χ^2 /NDF: 94.4/62

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 344.448+/-0.077 χ^2/NDF : 782895.9/13

Right Out: 460.939+/-0.127 χ^2/NDF : 955028.5/18

Left In: 341.376+/-0.076 χ^2/NDF : 561508.0/12

Left: 342.908+/-0.054 χ^2/NDF : 1345210.0/26

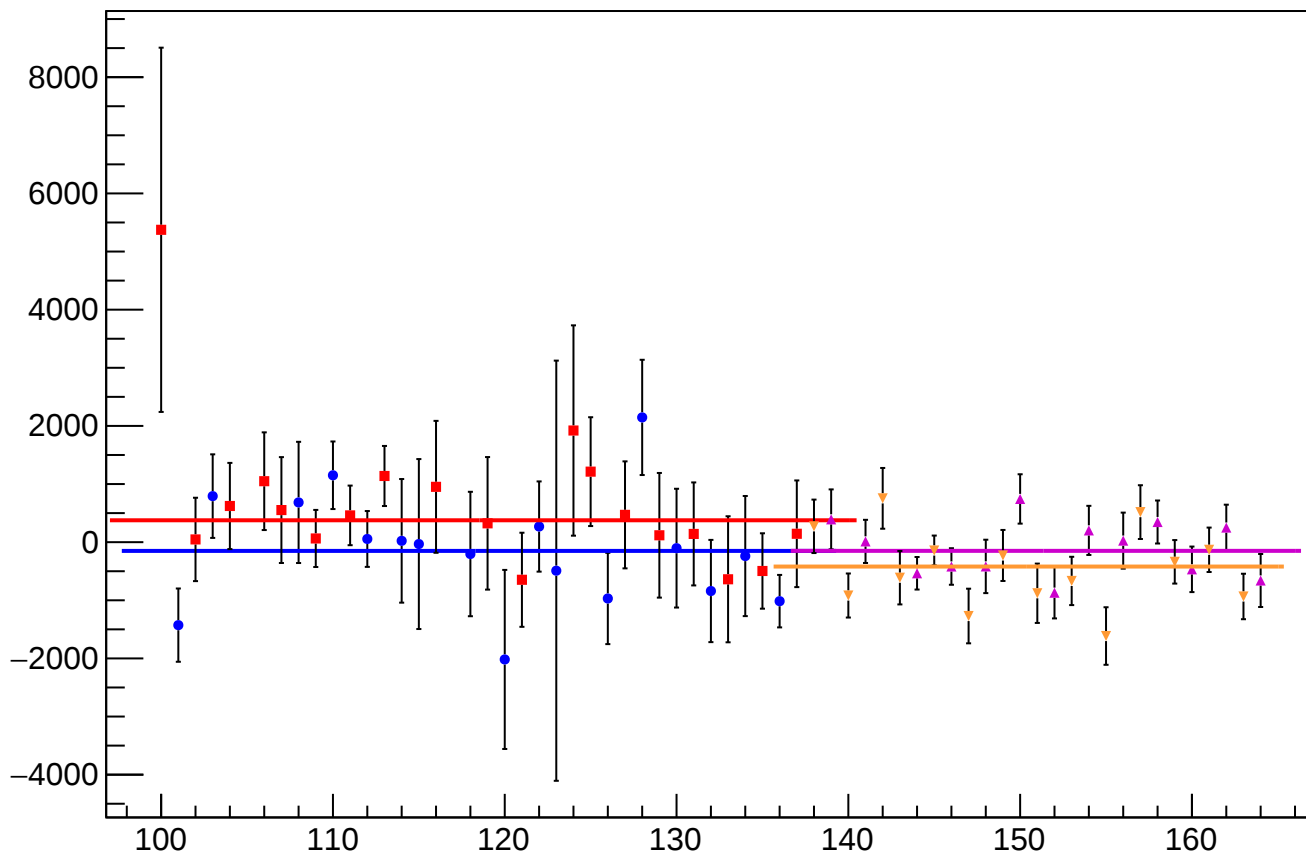
Right: 464.328+/-0.092 χ^2/NDF : 1836849.7/35

In: 372.706+/-0.066 χ^2/NDF : 2121488.0/29

Out: 375.584+/-0.066 χ^2/NDF : 2355941.7/32

All: 374.161+/-0.047 χ^2/NDF : 4478382.1/62

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -419.412+/-109.191 χ^2/NDF : 27.3/13

Right Out: 376.554+/-181.258 χ^2/NDF : 12.4/18

Left In: -149.392+/-108.921 χ^2/NDF : 16.9/12

Left: -284.067+/-77.114 χ^2/NDF : 47.3/26

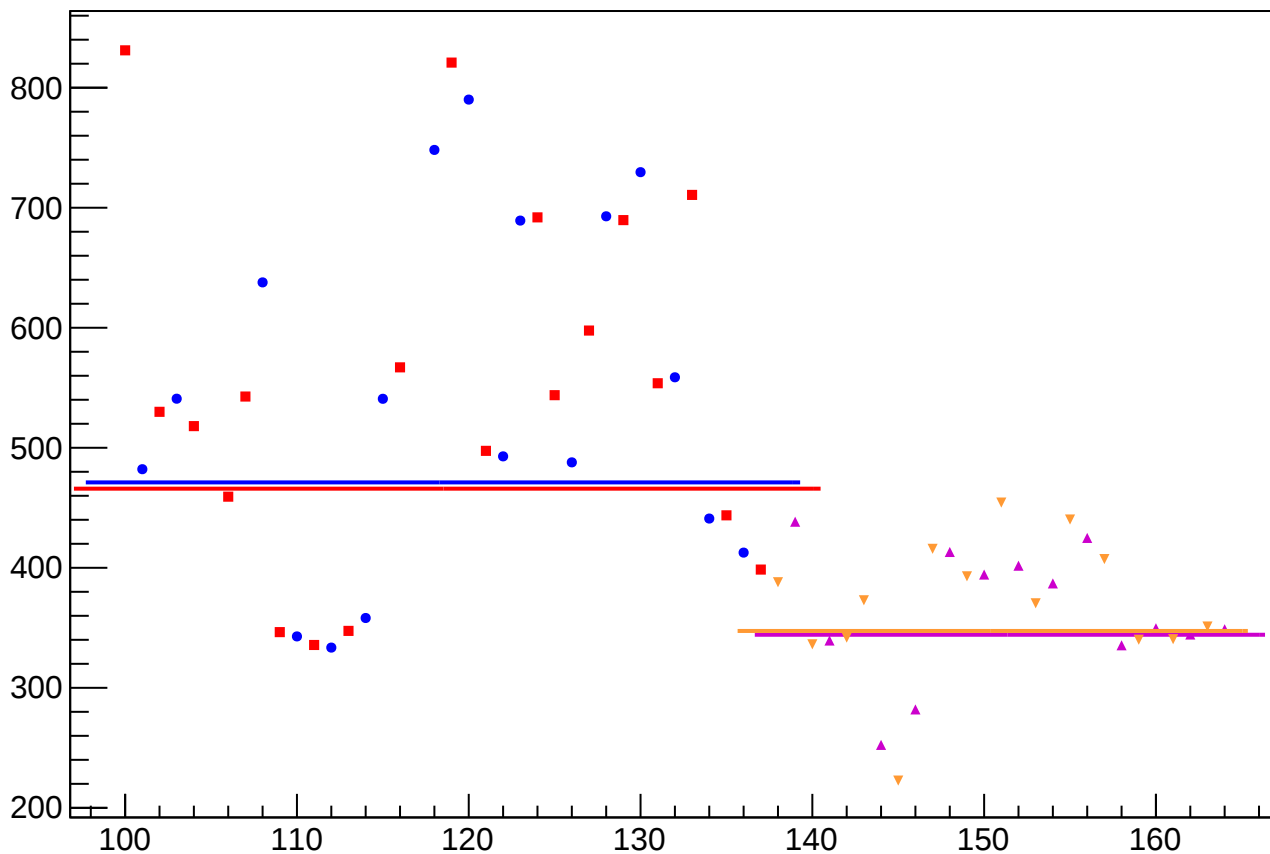
Right: 125.150+/-131.061 χ^2/NDF : 40.7/35

In: -149.618+/-94.461 χ^2/NDF : 41.1/29

Out: -207.471+/-93.531 χ^2/NDF : 53.8/32

All: -178.831+/-66.463 χ^2/NDF : 95.2/62

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 347.379+/-0.077 χ^2/NDF : 758157.4/13

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

Left In: 344.212+/-0.077 χ^2/NDF : 545406.7/12

Left: 345.792+/-0.055 χ^2/NDF : 1304407.3/26

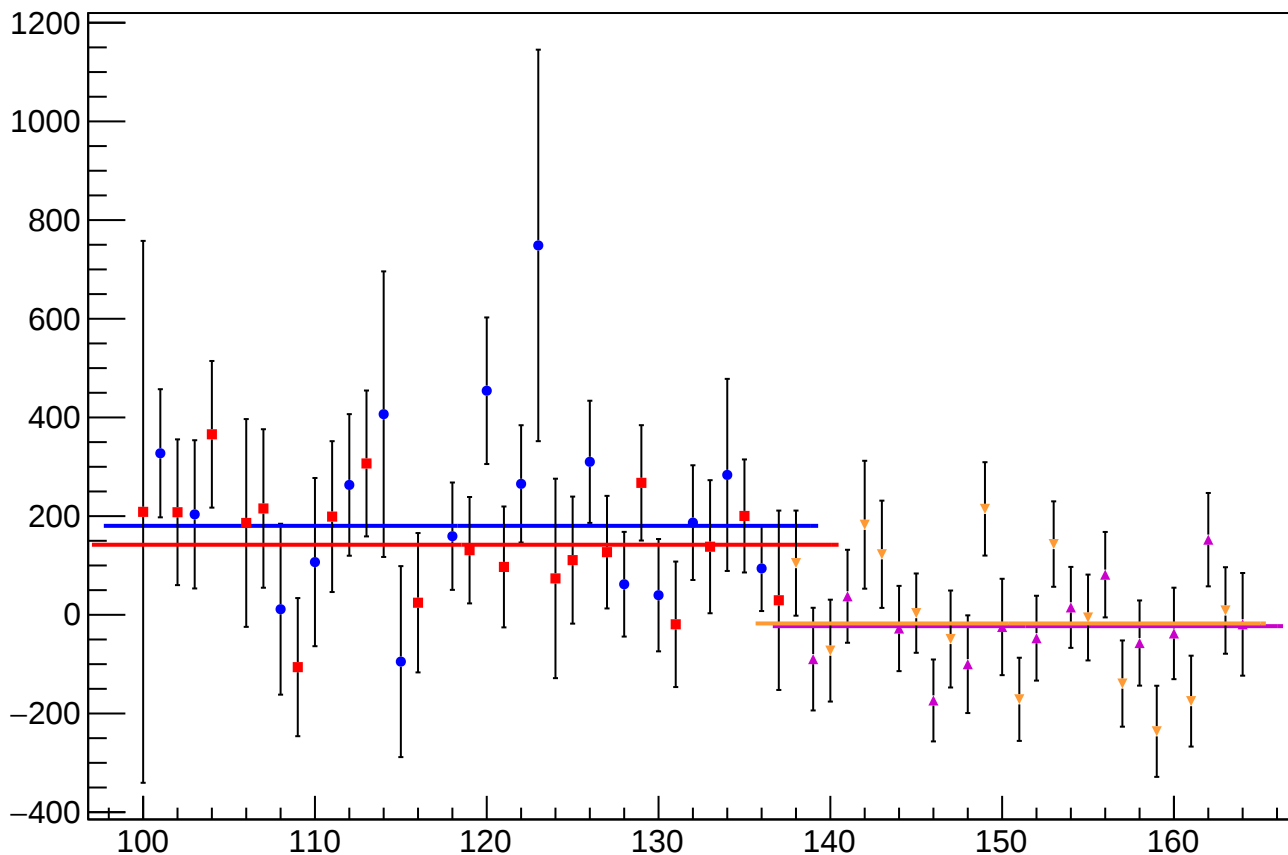
Right: 468.427+/-0.093 χ^2/NDF : 1813145.9/35

In: 375.679+/-0.067 χ^2/NDF : 2090640.2/29

Out: 378.947+/-0.066 χ^2/NDF : 2326484.1/32

All: 377.329+/-0.047 χ^2/NDF : 4418332.9/62

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 ± 32.769 $\chi^2/\text{NDF}: 16.6/16$

Left Out: -17.523 ± 25.010 $\chi^2/\text{NDF}: 29.2/13$

Right Out: 142.040 ± 32.338 $\chi^2/\text{NDF}: 11.7/18$

Left In: -22.973 ± 25.295 $\chi^2/\text{NDF}: 10.1/12$

Left: -20.217 ± 17.785 $\chi^2/\text{NDF}: 39.3/26$

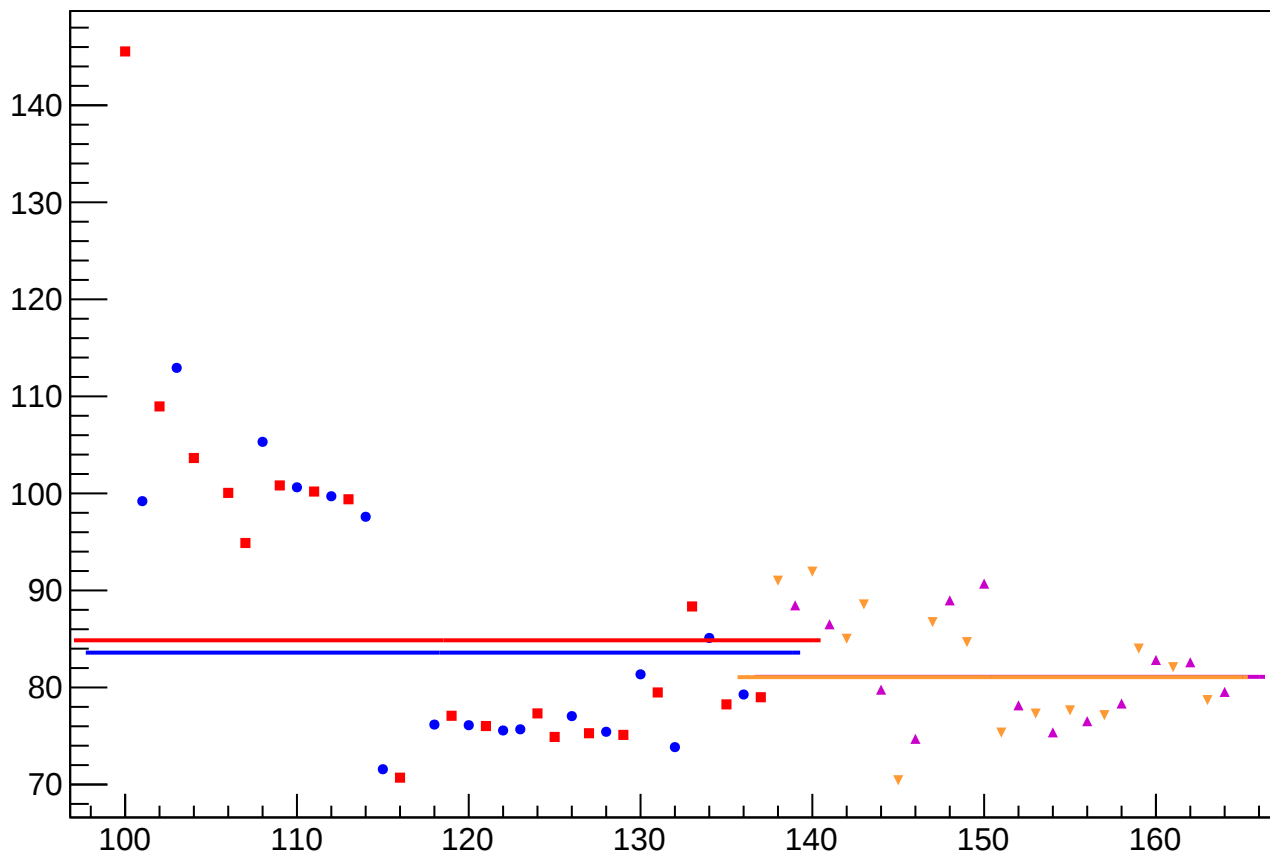
Right: 160.930 ± 23.017 $\chi^2/\text{NDF}: 28.9/35$

In: 52.932 ± 20.023 $\chi^2/\text{NDF}: 50.8/29$

Out: 42.198 ± 19.784 $\chi^2/\text{NDF}: 56.1/32$

All: 47.501 ± 14.073 $\chi^2/\text{NDF}: 107.0/62$

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 81.063 $\pm$ 0.018 χ^2 /NDF: 119304.5/13

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

Left In: 81.096 $\pm$ 0.018 χ^2 /NDF: 82289.0/12

Left: 81.080 $\pm$ 0.013 χ^2 /NDF: 201595.2/26

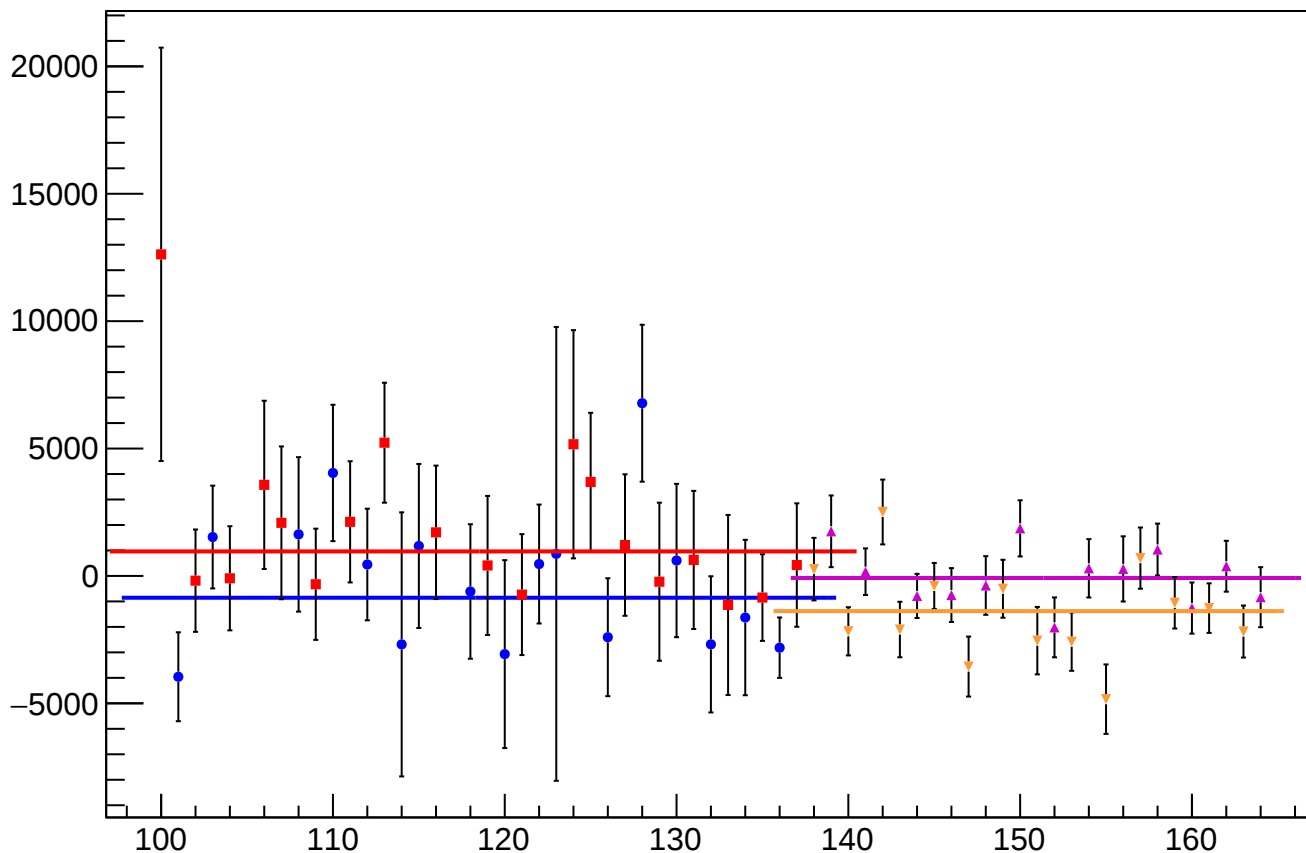
Right: 84.234 $\pm$ 0.016 χ^2 /NDF: 548050.9/35

In: 82.028 $\pm$ 0.014 χ^2 /NDF: 345472.9/29

Out: 82.485 $\pm$ 0.014 χ^2 /NDF: 427172.2/32

All: 82.259 $\pm$ 0.010 χ^2 /NDF: 773172.4/62

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308 ± 583.290 $\chi^2/\text{NDF}: 20.3/16$

Left Out: -1379.934 ± 294.511 $\chi^2/\text{NDF}: 29.5/13$

Right Out: 962.932 ± 589.071 $\chi^2/\text{NDF}: 11.5/18$

Left In: -80.578 ± 297.713 $\chi^2/\text{NDF}: 12.1/12$

Left: -737.281 ± 209.374 $\chi^2/\text{NDF}: 51.3/26$

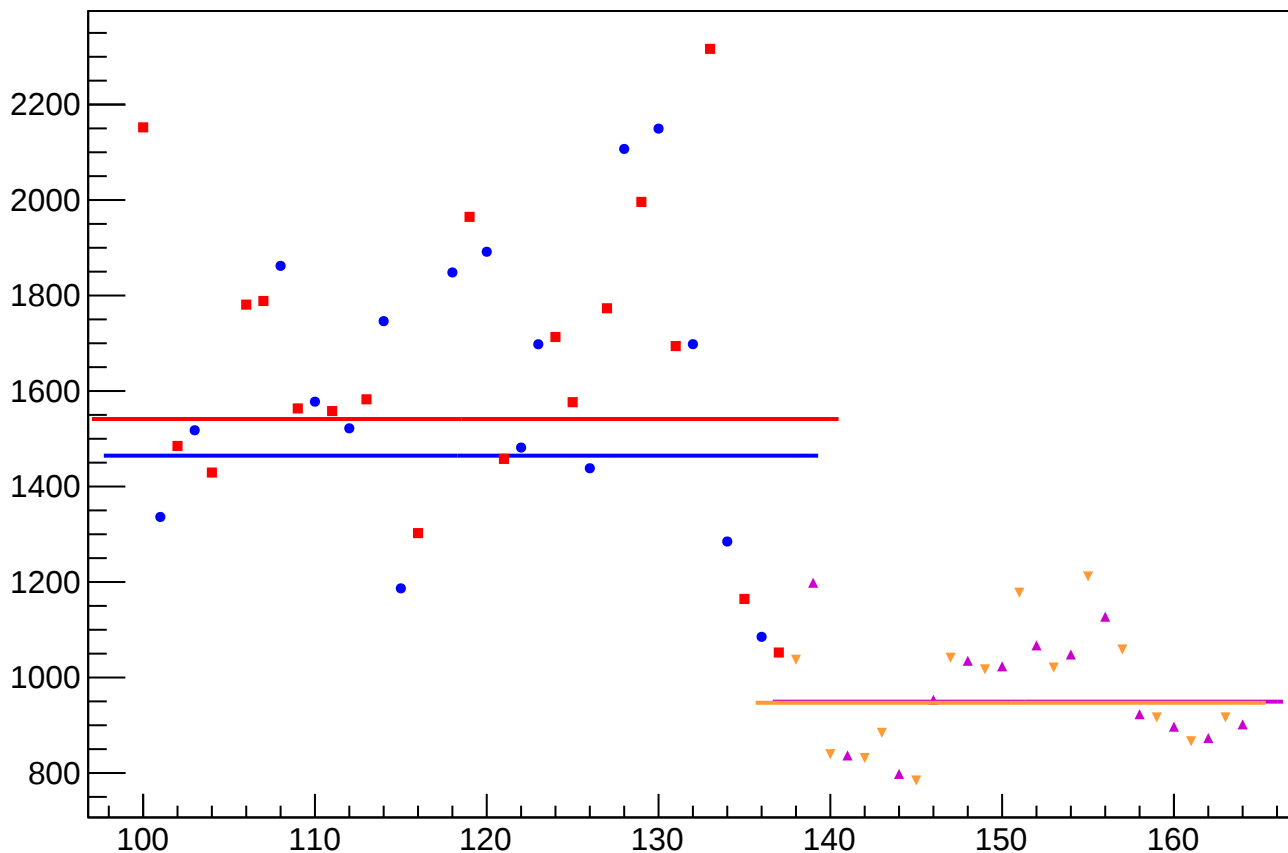
Right: 44.847 ± 414.477 $\chi^2/\text{NDF}: 36.6/35$

In: -240.692 ± 265.170 $\chi^2/\text{NDF}: 33.8/29$

Out: -911.423 ± 263.423 $\chi^2/\text{NDF}: 53.7/32$

All: -578.274 ± 186.883 $\chi^2/\text{NDF}: 90.8/62$

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: 947.113+/-0.208 χ^2/NDF : 324303.0/13

Right Out: 1541.388+/-0.417 χ^2/NDF : 453710.5/18

Left In: 949.474+/-0.211 χ^2/NDF : 269412.7/12

Left: 948.281+/-0.148 χ^2/NDF : 593779.3/26

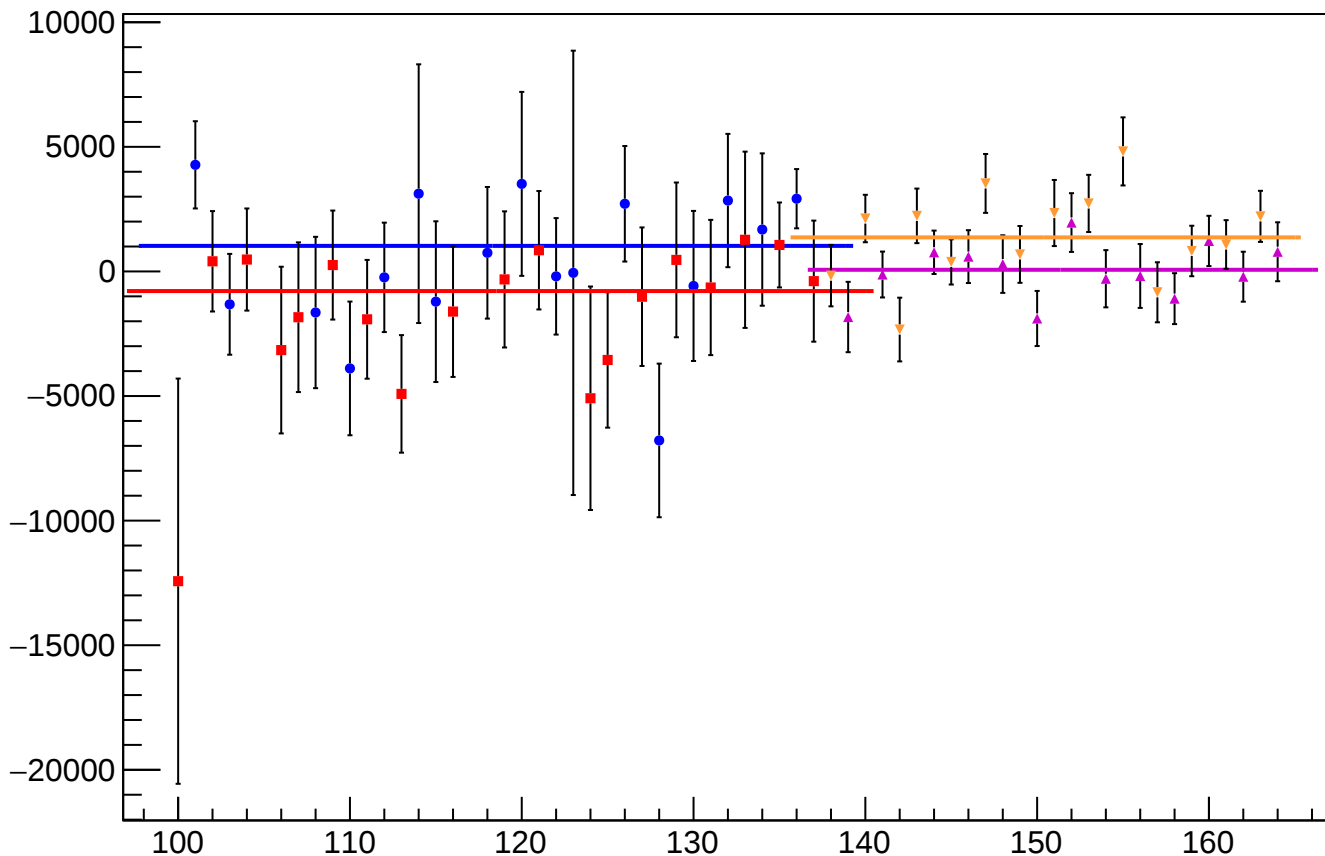
Right: 1502.634+/-0.293 χ^2/NDF : 1031717.7/35

In: 1055.943+/-0.188 χ^2/NDF : 2067937.6/29

Out: 1065.953+/-0.186 χ^2/NDF : 2406460.0/32

All: 1060.981+/-0.132 χ^2/NDF : 4475832.0/62

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: 1366.667 $\pm$ 295.701 χ^2 /NDF:28.8/13

Right Out: -787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

Left In: 66.397 $\pm$ 298.886 χ^2 /NDF:11.7/12

Left: 723.497 $\pm$ 210.209 χ^2 /NDF: 50.0/26

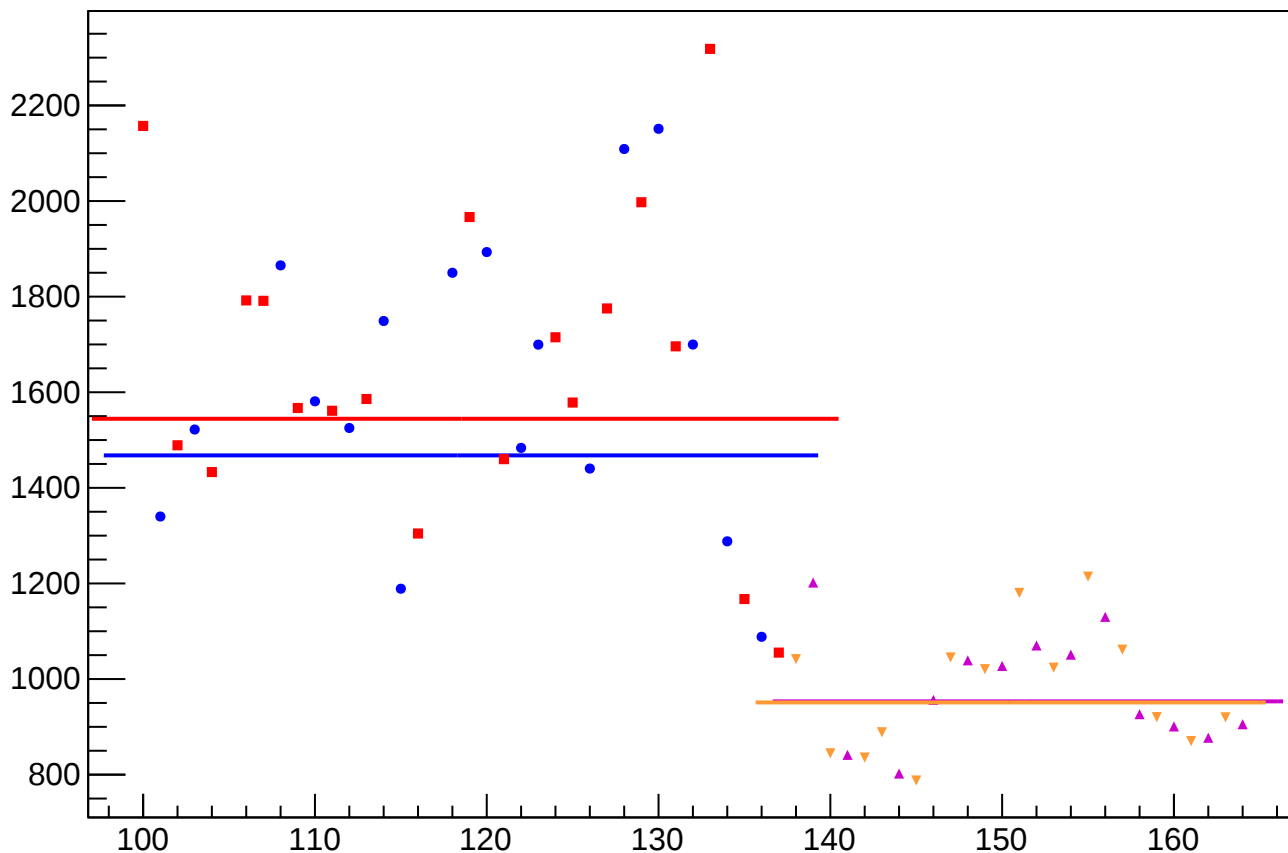
Right: 128.343 $\pm$ 415.370 χ^2 /NDF: 36.9/35

In: 265.207 $\pm$ 266.112 χ^2 /NDF:34.8/29

Out: 934.749 $\pm$ 264.392 χ^2 /NDF:50.6/32

All: 602.149 $\pm$ 187.558 χ^2 /NDF: 88.6/62

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: 951.093 $\pm$ 0.209 χ^2 /NDF: 319652.8/13

Right Out: 1544.513 $\pm$ 0.417 χ^2 /NDF: 451805.9/18

Left In: 953.332 $\pm$ 0.211 χ^2 /NDF: 265475.8/12

Left: 952.200 $\pm$ 0.149 χ^2 /NDF: 585185.3/26

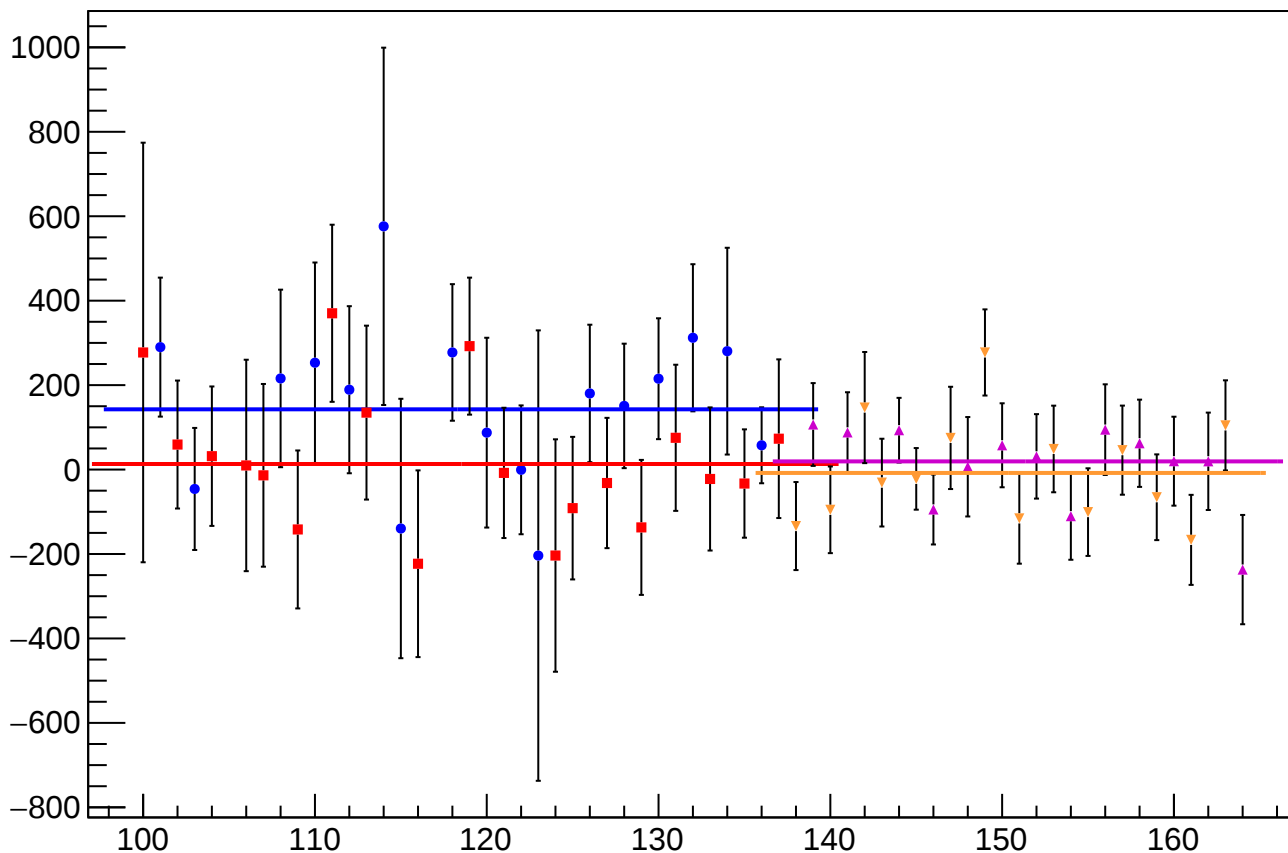
Right: 1505.825 $\pm$ 0.294 χ^2 /NDF: 1026270.9/35

In: 1059.993 $\pm$ 0.188 χ^2 /NDF: 2051719.0/29

Out: 1070.103 $\pm$ 0.187 χ^2 /NDF: 2386829.6/32

All: 1065.081 $\pm$ 0.133 χ^2 /NDF: 4440001.2/62

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: -7.980 $\pm$ 27.456 χ^2 /NDF:18.0/13

Right Out: 13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

Left In: 19.343 $\pm$ 27.704 χ^2 /NDF:10.5/12

Left: 5.559 $\pm$ 19.501 χ^2 /NDF: 28.9/26

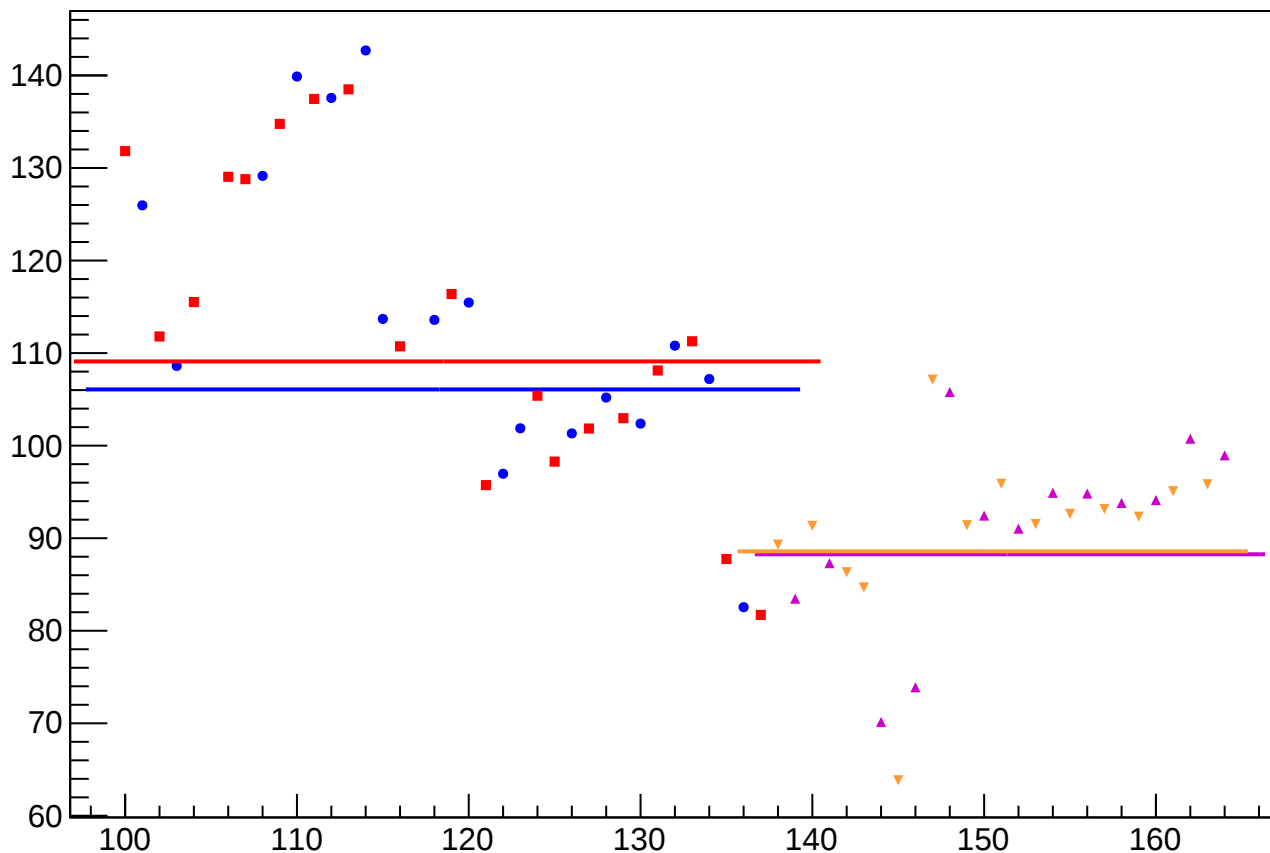
Right: 77.572 $\pm$ 29.352 χ^2 /NDF: 25.0/35

In: 57.207 $\pm$ 23.063 χ^2 /NDF:25.9/29

Out: -1.516 $\pm$ 22.881 χ^2 /NDF:29.0/32

All: 27.613 $\pm$ 16.243 χ^2 /NDF: 58.1/62

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 88.581 $\pm$ 0.019 χ^2 /NDF:320364.3/13

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

Left In: 88.263 $\pm$ 0.020 χ^2 /NDF:291095.9/12

Left: 88.423 $\pm$ 0.014 χ^2 /NDF: 611593.2/26

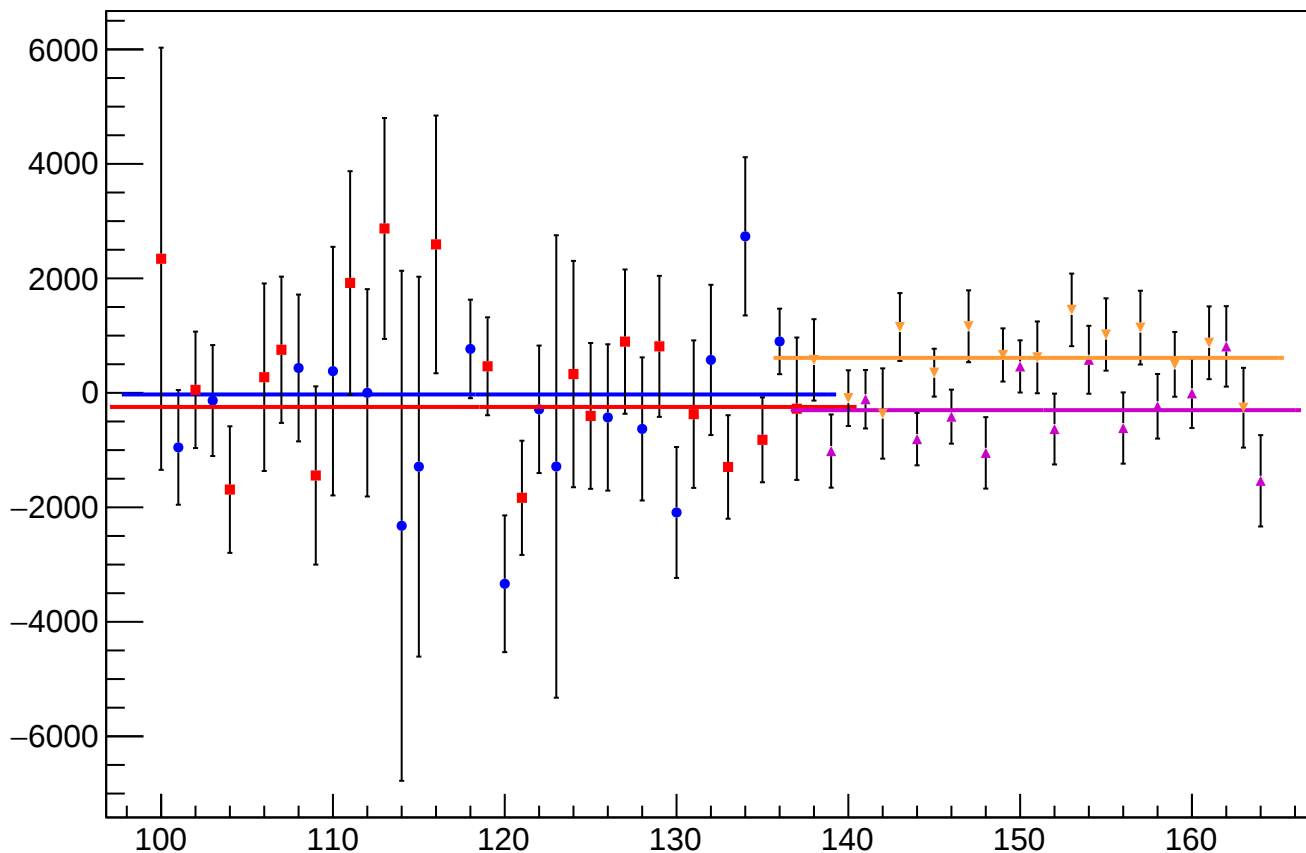
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 93.731 $\pm$ 0.016 χ^2 /NDF:862759.5/29

Out: 94.850 $\pm$ 0.016 χ^2 /NDF:947033.1/32

All: 94.295 $\pm$ 0.011 χ^2 /NDF: 1812166.5/62

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: 611.203 ± 155.954 χ^2/NDF : 10.2/13

Right Out: -246.386 ± 279.451 χ^2/NDF : 15.9/18

Left In: -302.416 ± 157.329 χ^2/NDF : 14.8/12

Left: 158.402 ± 110.759 χ^2/NDF : 42.0/26

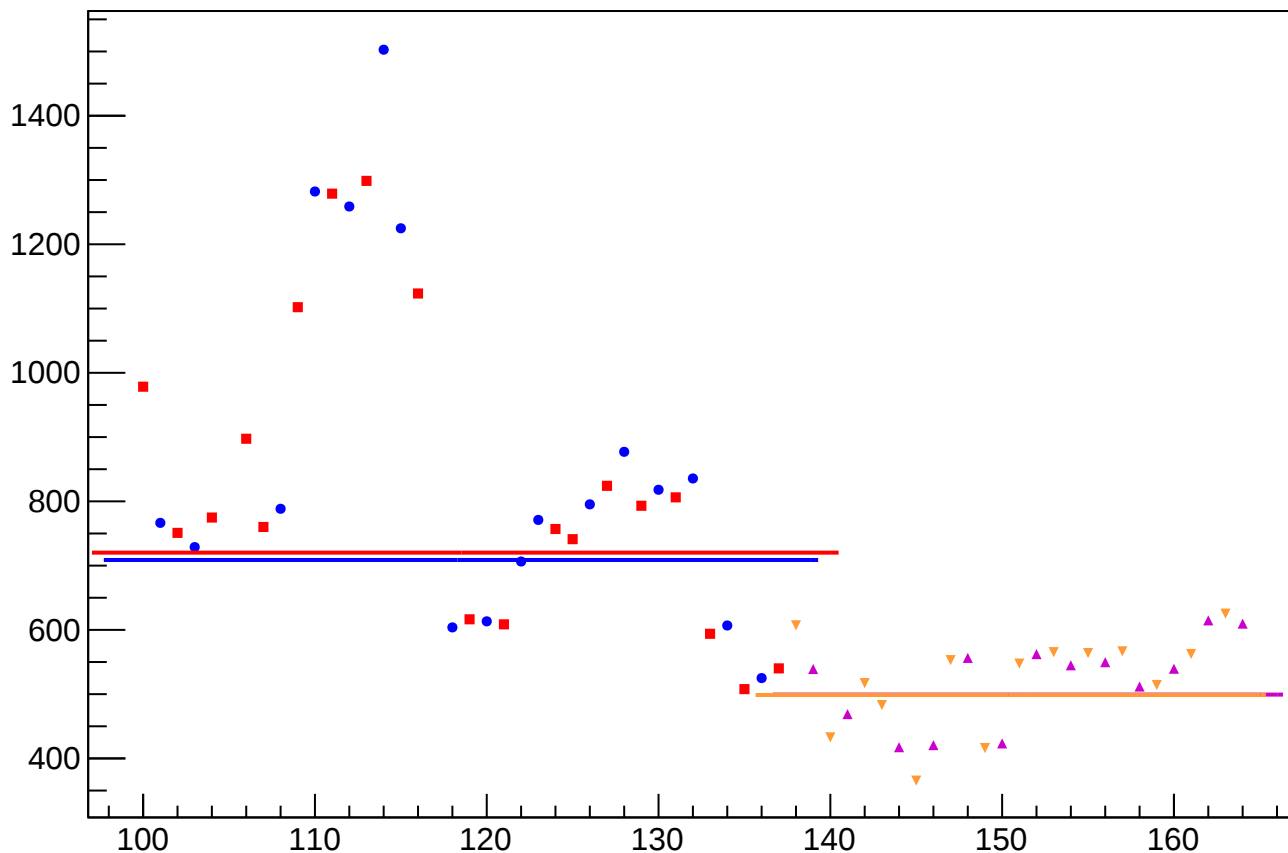
Right: -138.842 ± 199.101 χ^2/NDF : 36.7/35

In: -237.879 ± 137.593 χ^2/NDF : 36.0/29

Out: 407.539 ± 136.183 χ^2/NDF : 33.2/32

All: 88.154 ± 96.791 χ^2/NDF : 80.4/62

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: 498.691 $\pm$ 0.110 χ^2 /NDF: 531698.5/13

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

Left In: 499.315 $\pm$ 0.111 χ^2 /NDF: 354110.9/12

Left: 499.000 $\pm$ 0.078 χ^2 /NDF: 885825.2/26

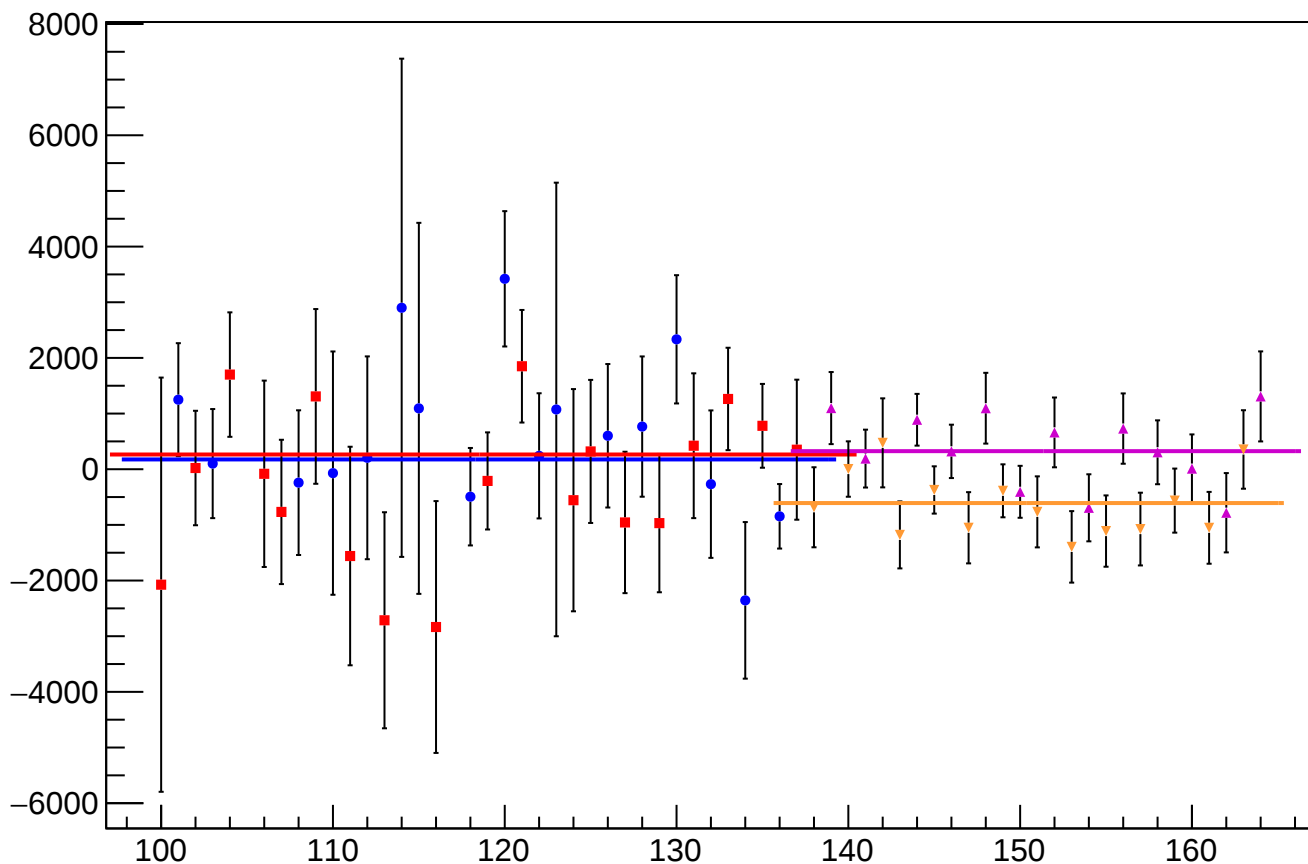
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 548.572 $\pm$ 0.097 χ^2 /NDF: 1981335.0/29

Out: 551.296 $\pm$ 0.096 χ^2 /NDF: 2389827.7/32

All: 549.948 $\pm$ 0.068 χ^2 /NDF: 4371558.8/62

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854+/-287.218 χ^2/NDF : 19.7/16

Left Out: -607.642+/-158.548 χ^2/NDF :10.3/13

Right Out: 264.622+/-283.074 χ^2/NDF : 14.8/18

Left In: 324.675+/-159.893 χ^2/NDF :14.6/12

Left: -145.422+/-112.583 χ^2/NDF : 42.0/26

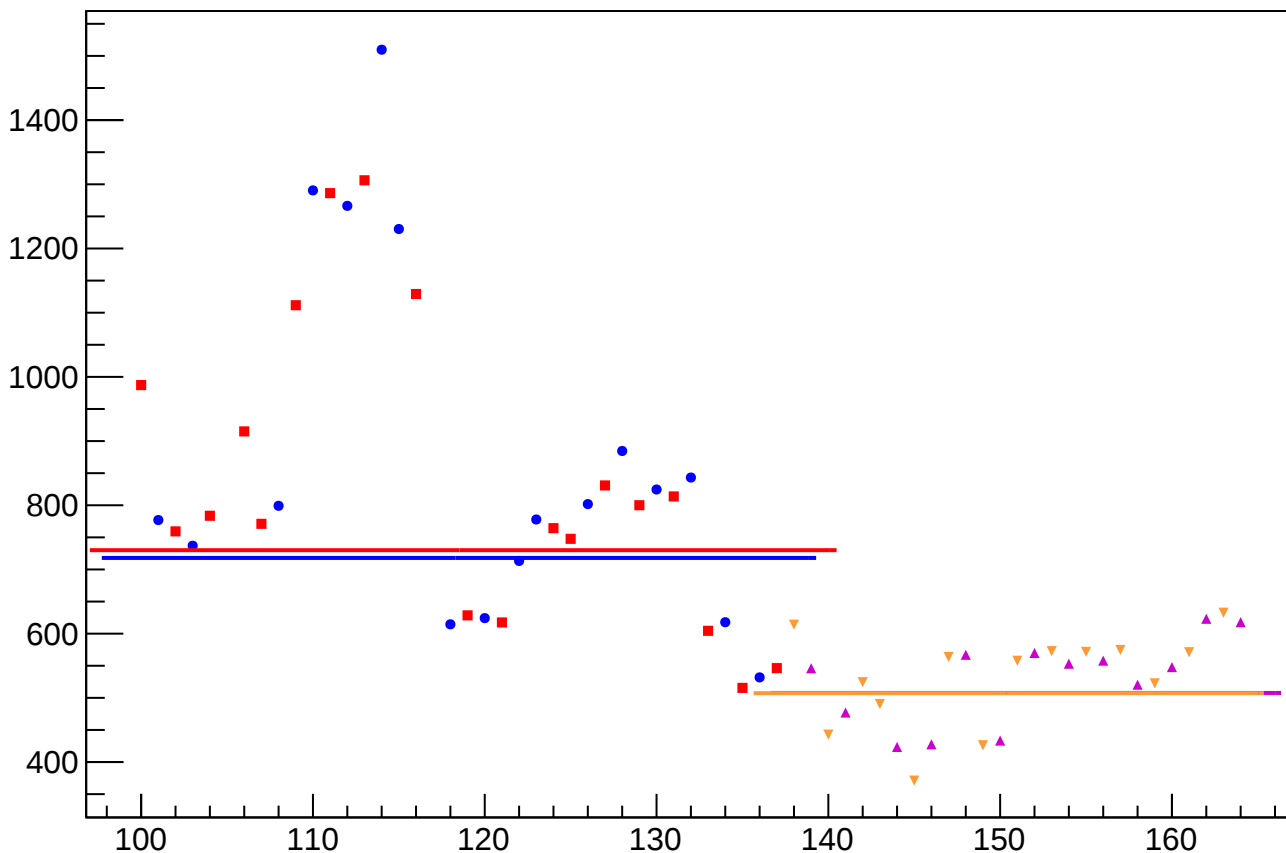
Right: 220.883+/-201.613 χ^2/NDF : 34.6/35

In: 289.465+/-139.704 χ^2/NDF :34.5/29

Out: -399.350+/-138.329 χ^2/NDF :32.3/32

All: -58.350+/-98.296 χ^2/NDF : 79.1/62

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: 507.276 $\pm$ 0.112 χ^2/NDF : 518215.9/13

Right Out: 730.040 $\pm$ 0.200 χ^2/NDF : 881842.0/18

Left In: 507.628 $\pm$ 0.113 χ^2/NDF : 346448.9/12

Left: 507.451 $\pm$ 0.080 χ^2/NDF : 864669.8/26

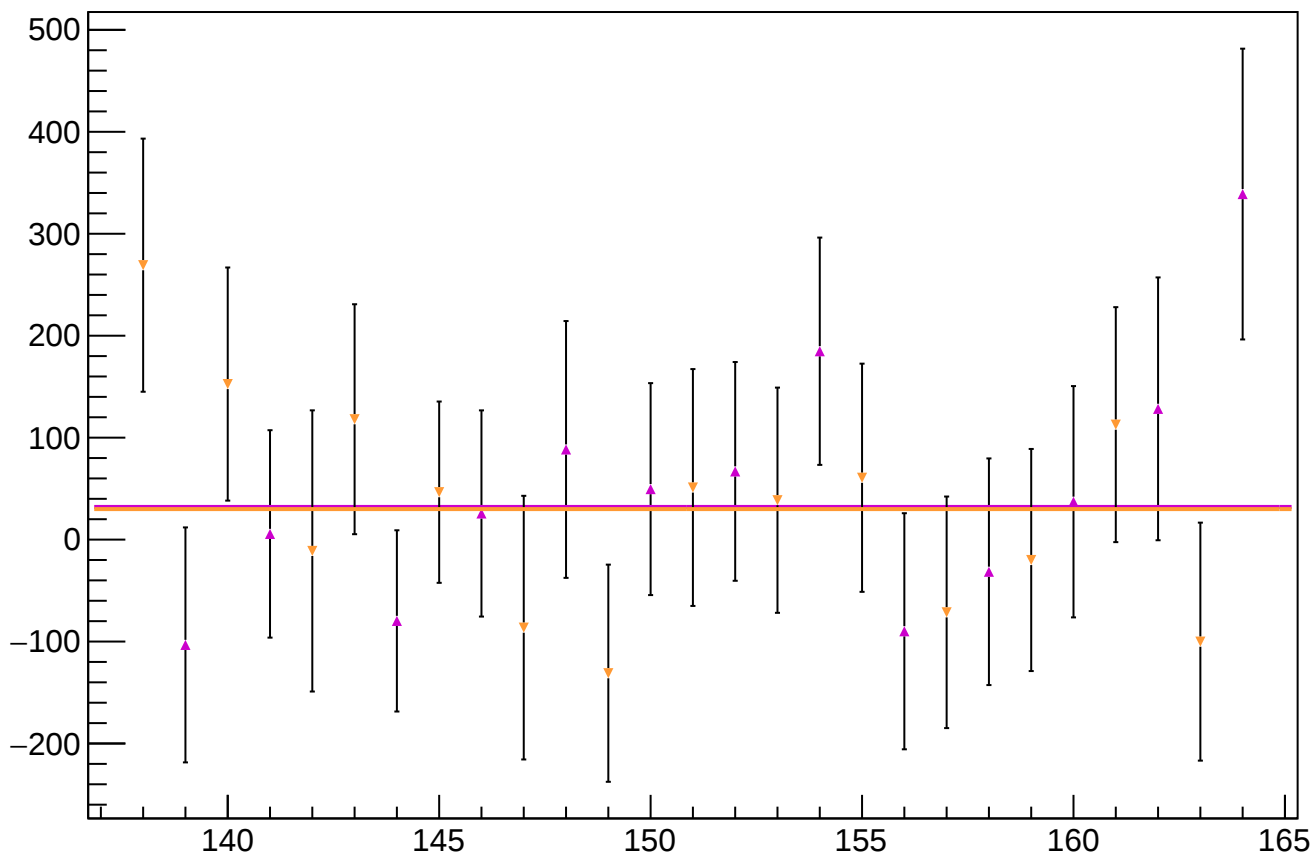
Right: 724.094 $\pm$ 0.143 χ^2/NDF : 1662212.8/35

In: 557.394 $\pm$ 0.099 χ^2/NDF : 1943923.0/29

Out: 560.471 $\pm$ 0.098 χ^2/NDF : 2342866.9/32

All: 558.947 $\pm$ 0.070 χ^2/NDF : 4287279.8/62

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: 29.929 $\pm$ 30.241 χ^2 /NDF:11.6/13

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

Left In: 32.043 $\pm$ 30.689 χ^2 /NDF:11.9/12

Left: 30.970 $\pm$ 21.541 χ^2 /NDF: 23.4/26

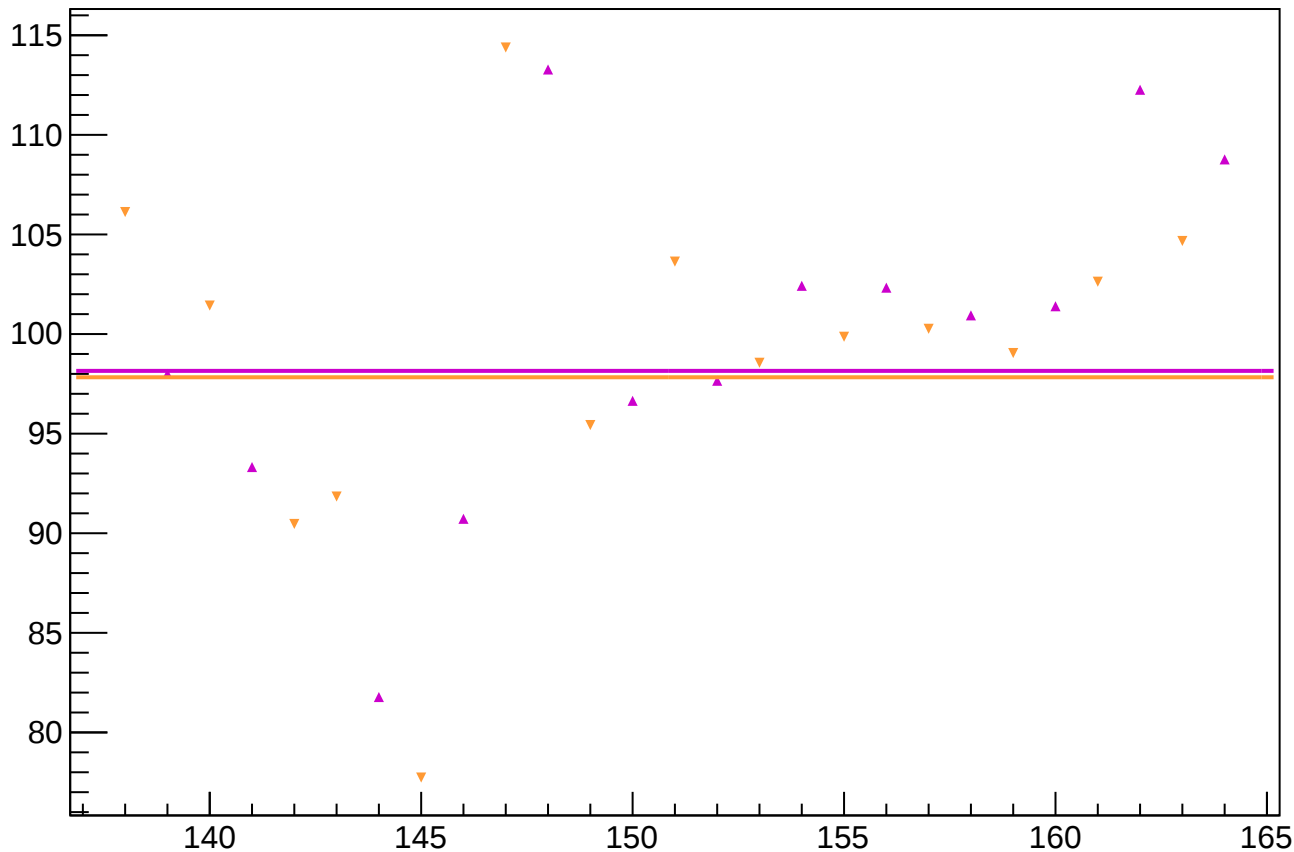
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 32.043 $\pm$ 30.689 χ^2 /NDF:11.9/12

Out: 29.929 $\pm$ 30.241 χ^2 /NDF:11.6/13

All: 30.970 $\pm$ 21.541 χ^2 /NDF: 23.4/26

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 97.830+/-0.021 χ^2/NDF :175457.5/13

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

Left In: 98.151+/-0.022 χ^2/NDF :155973.6/12

Left: 97.988+/-0.015 χ^2/NDF : 331542.2/26

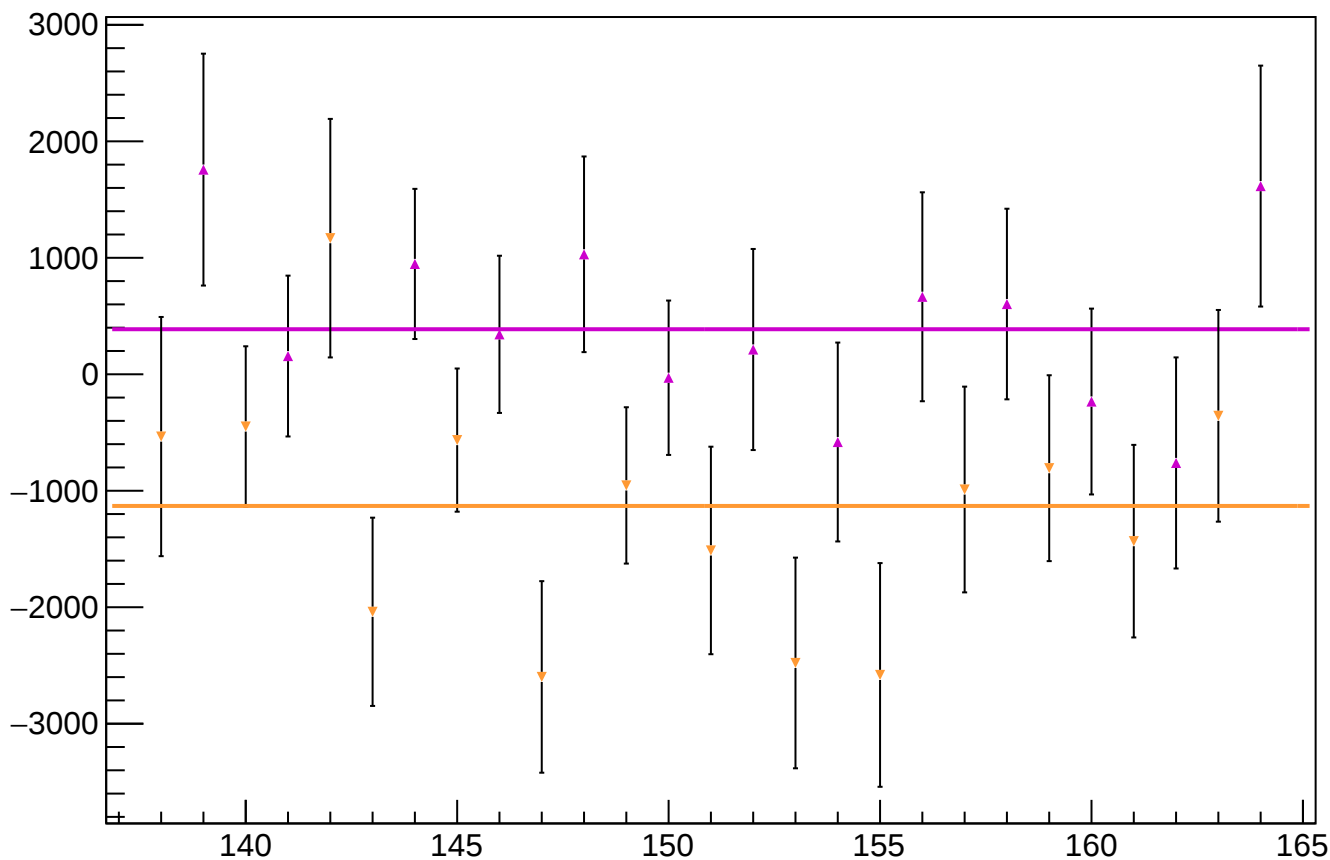
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 98.151+/-0.022 χ^2/NDF :155973.6/12

Out: 97.830+/-0.021 χ^2/NDF :175457.5/13

All: 97.988+/-0.015 χ^2/NDF : 331542.2/26

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1130.352+/-218.325 χ^2/NDF :17.5/13

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

Left In: 386.756+/-220.443 χ^2/NDF :8.9/12

Left: -379.120+/-155.123 χ^2/NDF : 50.2/26

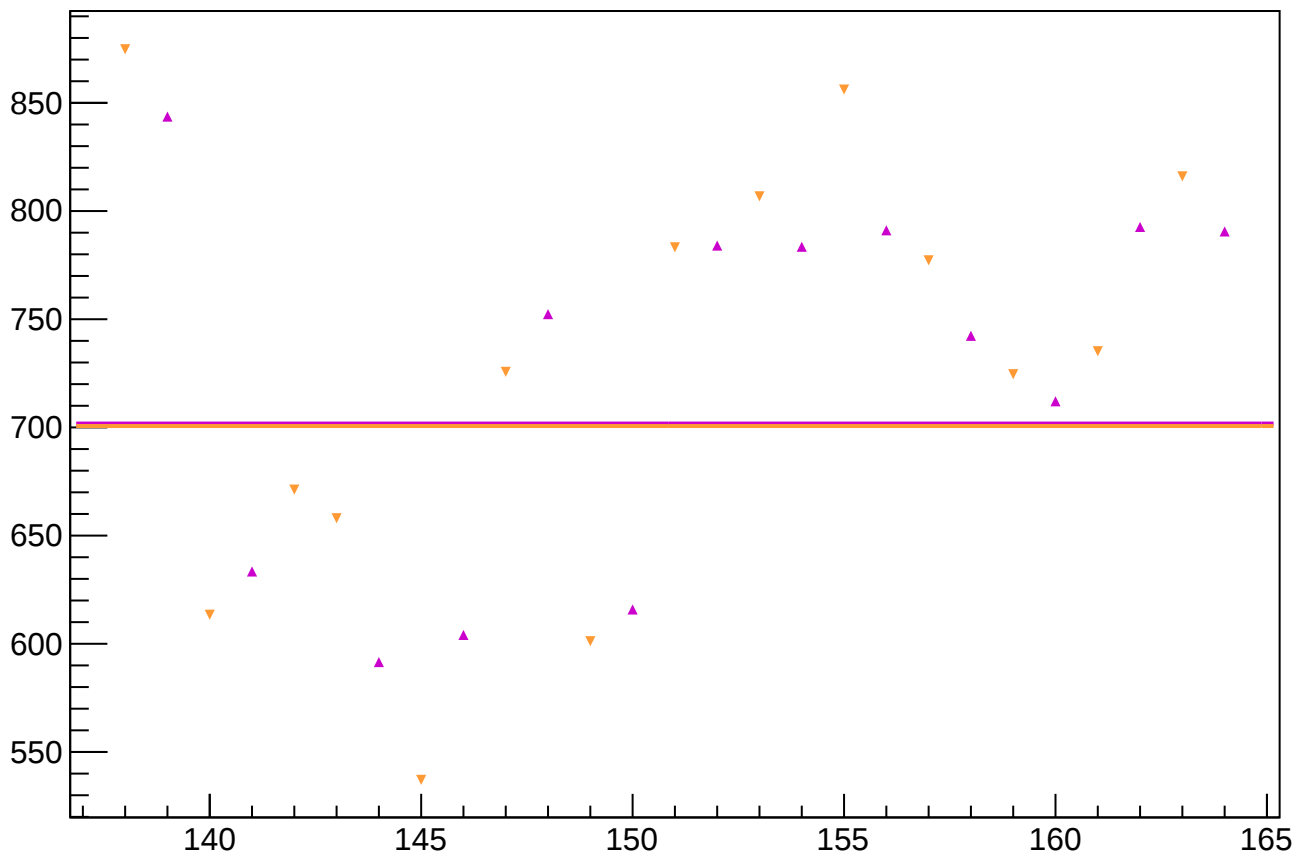
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 386.756+/-220.443 χ^2/NDF :8.9/12

Out: -1130.352+/-218.325 χ^2/NDF :17.5/13

All: -379.120+/-155.123 χ^2/NDF : 50.2/26

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 700.647+/-0.154 χ^2/NDF : 433889.4/13

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

Left In: 701.780+/-0.156 χ^2/NDF : 297939.4/12

Left: 701.208+/-0.110 χ^2/NDF : 731855.5/26

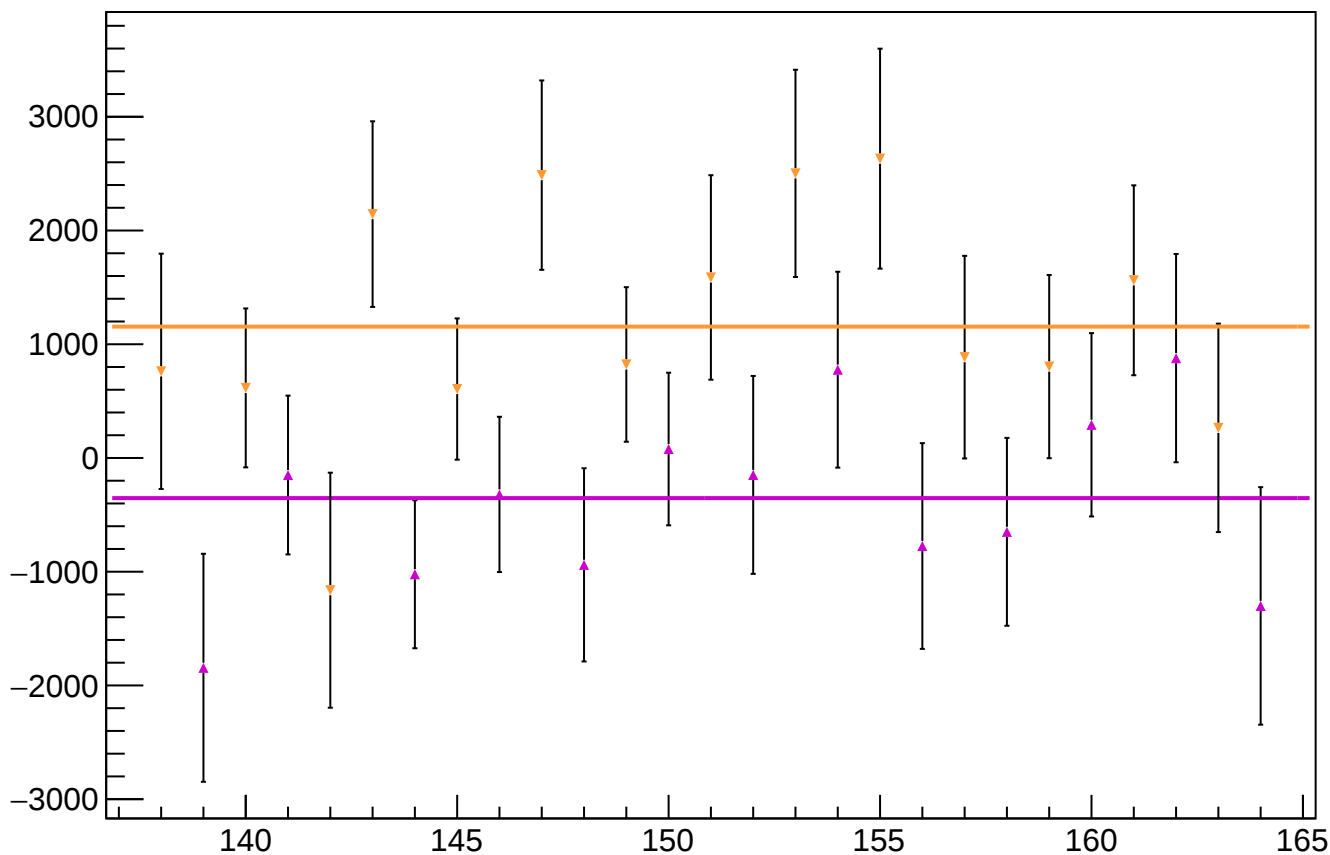
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 701.780+/-0.156 χ^2/NDF : 297939.4/12

Out: 700.647+/-0.154 χ^2/NDF : 433889.4/13

All: 701.208+/-0.110 χ^2/NDF : 731855.5/26

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1155.180+/-220.543 χ^2/NDF :17.0/13

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

Left In: -352.793+/-222.662 χ^2/NDF :9.6/12

Left: 408.406+/-156.691 χ^2/NDF : 49.8/26

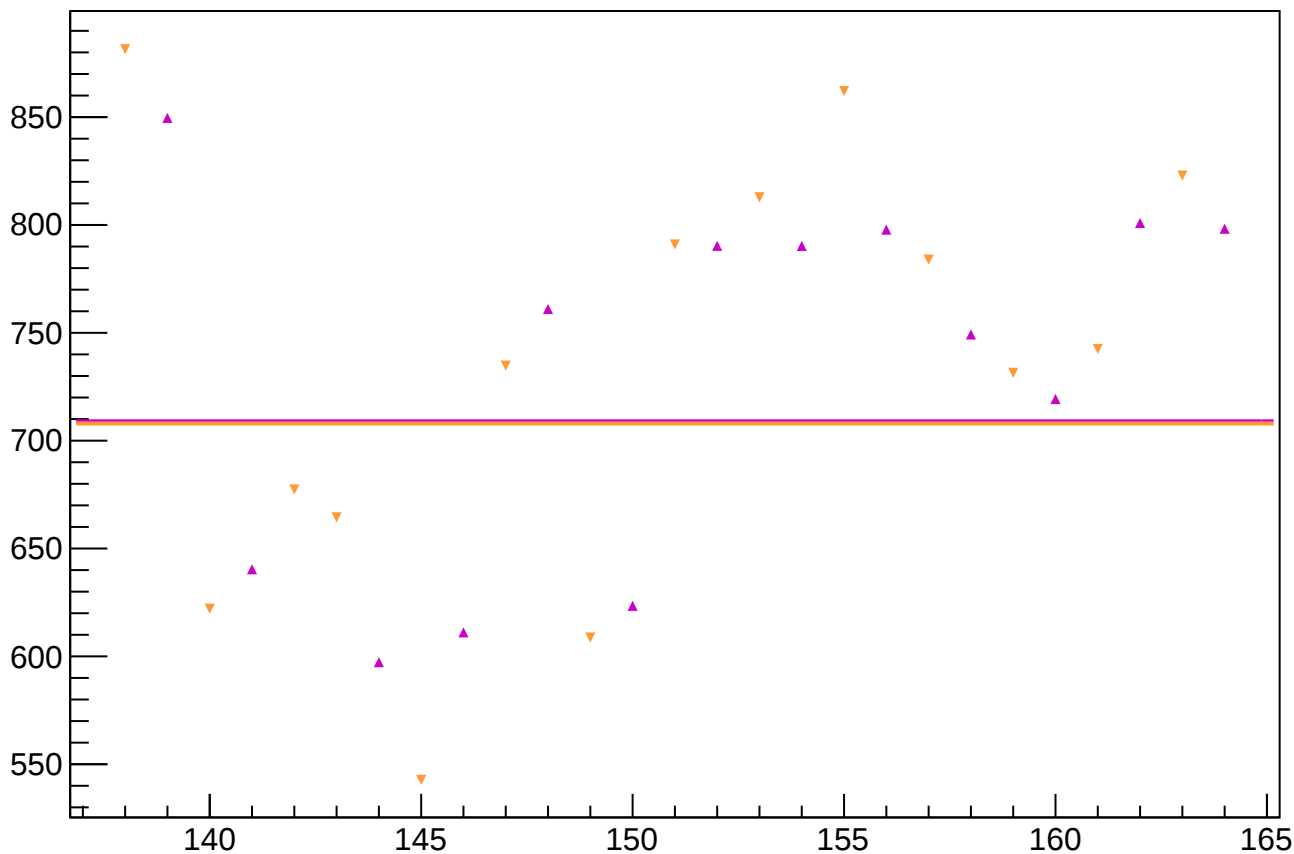
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -352.793+/-222.662 χ^2/NDF :9.6/12

Out: 1155.180+/-220.543 χ^2/NDF :17.0/13

All: 408.406+/-156.691 χ^2/NDF : 49.8/26

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 707.964+/-0.156 χ^2/NDF : 425588.7/13

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

Left In: 708.974+/-0.157 χ^2/NDF : 293218.7/12

Left: 708.464+/-0.111 χ^2/NDF : 718828.1/26

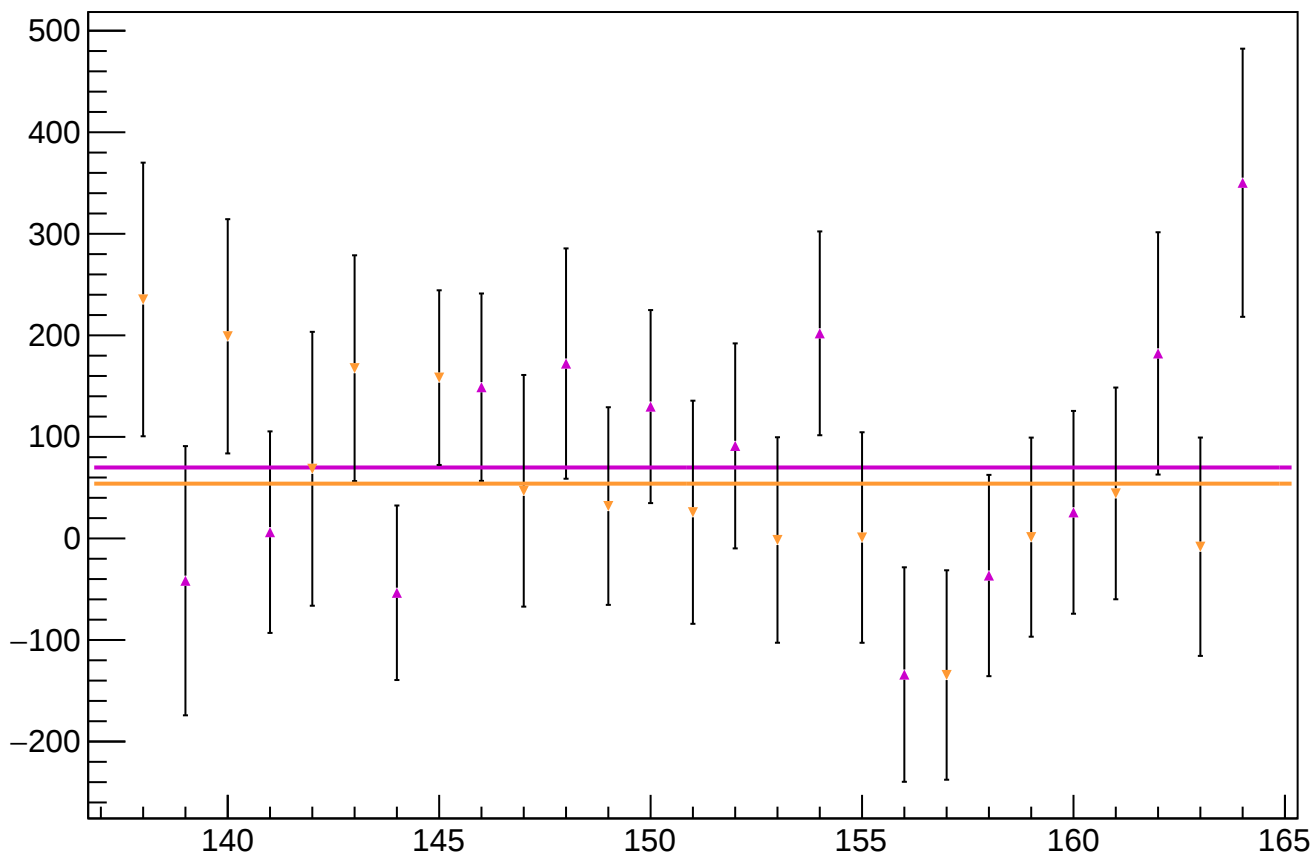
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 708.974+/-0.157 χ^2/NDF : 293218.7/12

Out: 707.964+/-0.156 χ^2/NDF : 425588.7/13

All: 708.464+/-0.111 χ^2/NDF : 718828.1/26

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 53.962 $\pm$ 28.468 χ^2 /NDF:10.6/13

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

Left In: 69.882 $\pm$ 28.671 χ^2 /NDF:17.4/12

Left: 61.865 $\pm$ 20.201 χ^2 /NDF: 28.1/26

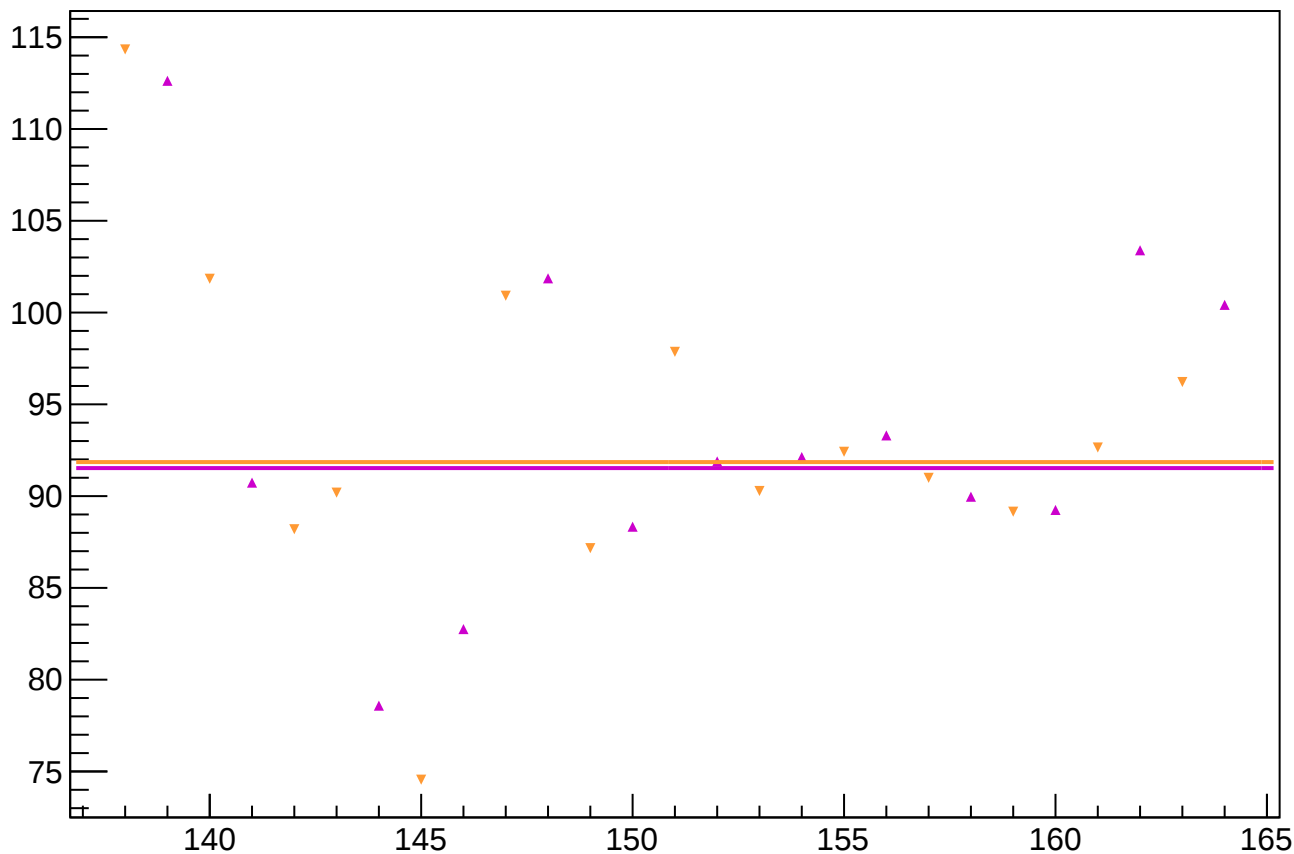
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 69.882 $\pm$ 28.671 χ^2 /NDF:17.4/12

Out: 53.962 $\pm$ 28.468 χ^2 /NDF:10.6/13

All: 61.865 $\pm$ 20.201 χ^2 /NDF: 28.1/26

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.854+/-0.020 χ^2/NDF :182408.5/13

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

Left In: 91.526+/-0.020 χ^2/NDF :164171.1/12

Left: 91.691+/-0.014 χ^2/NDF : 346711.2/26

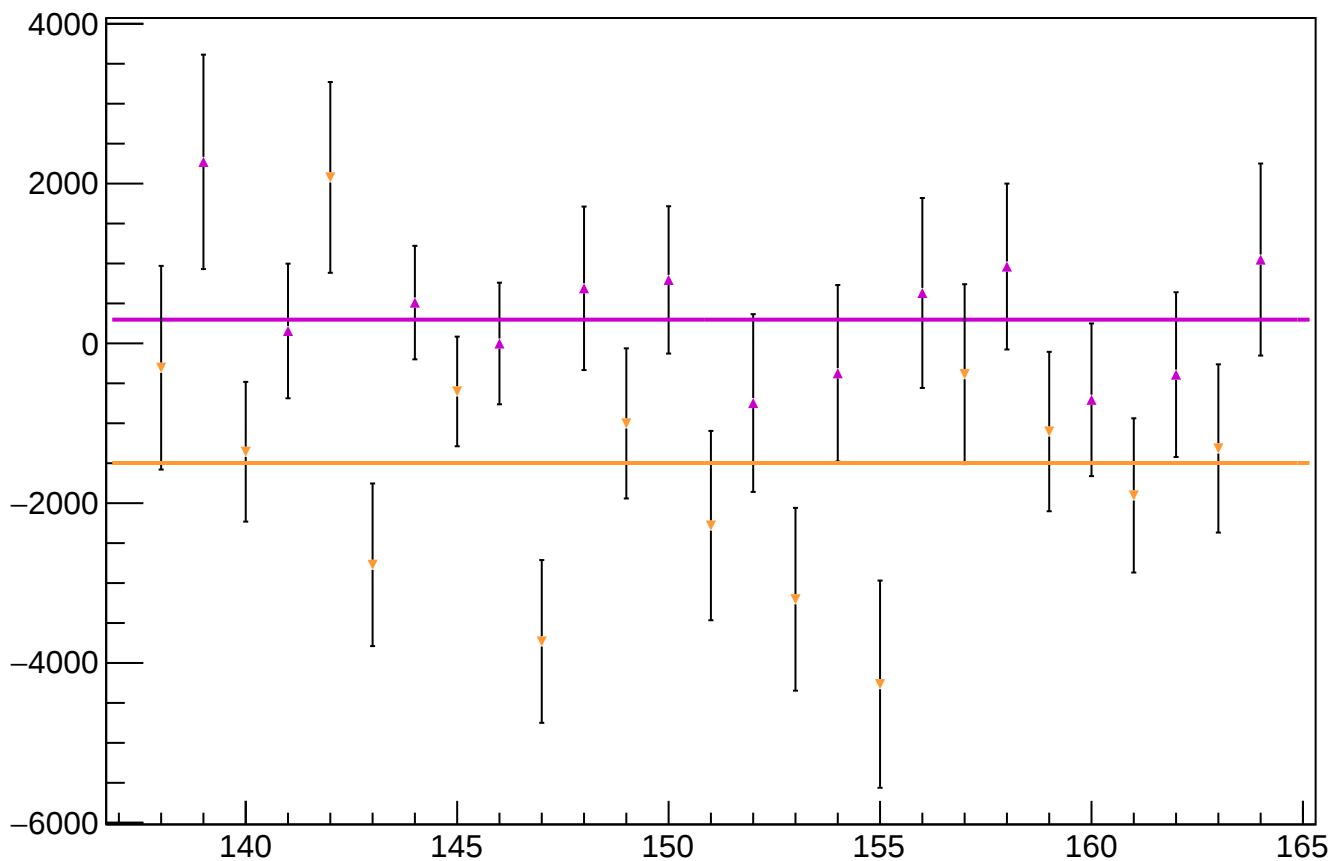
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 91.526+/-0.020 χ^2/NDF :164171.1/12

Out: 91.854+/-0.020 χ^2/NDF :182408.5/13

All: 91.691+/-0.014 χ^2/NDF : 346711.2/26

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1497.029+/-270.644 χ^2/NDF :26.8/13

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

Left In: 296.983+/-269.227 χ^2/NDF :6.6/12

Left: -595.317+/-190.871 χ^2/NDF : 55.4/26

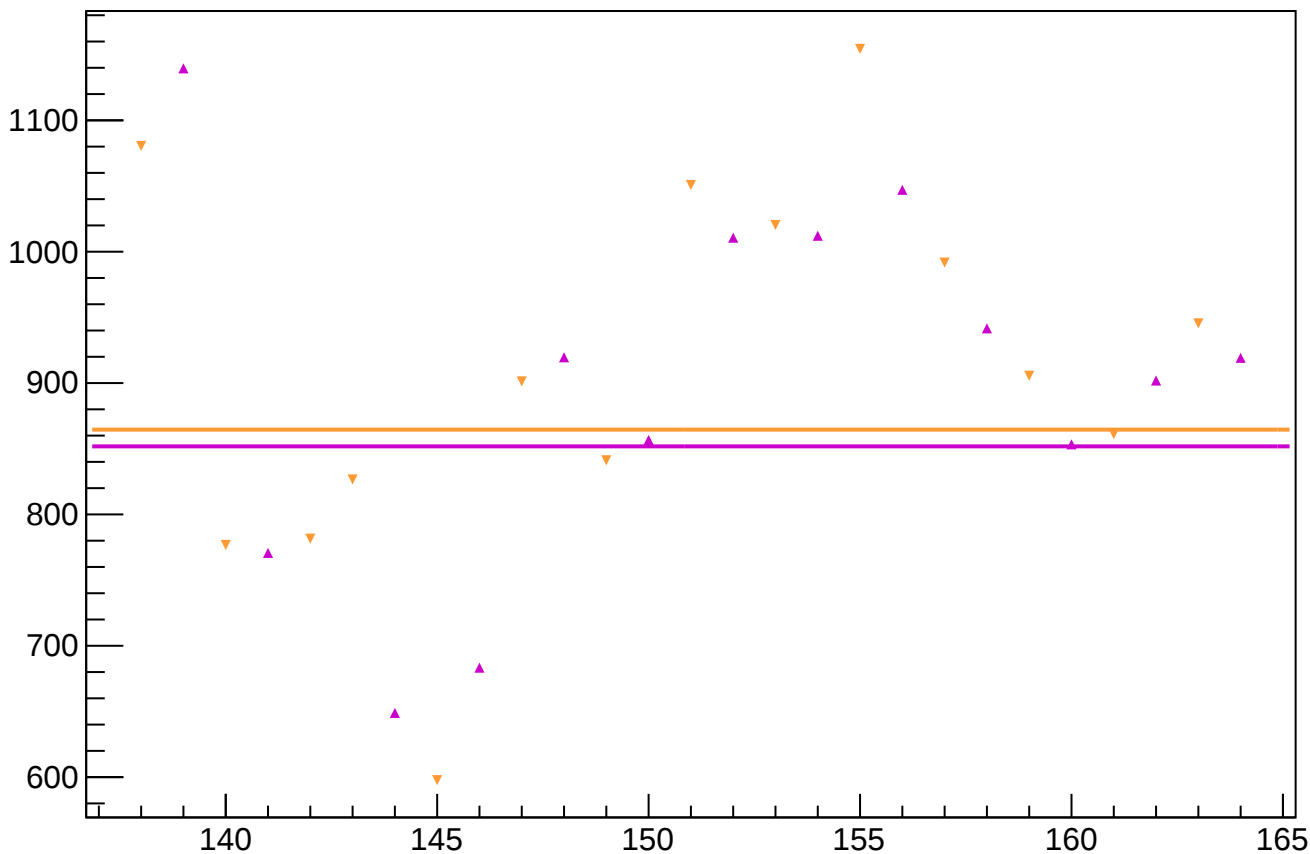
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 296.983+/-269.227 χ^2/NDF :6.6/12

Out: -1497.029+/-270.644 χ^2/NDF :26.8/13

All: -595.317+/-190.871 χ^2/NDF : 55.4/26

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 864.560+/-0.191 χ^2/NDF : 623628.3/13

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

Left In: 851.805+/-0.190 χ^2/NDF : 543509.0/12

Left: 858.149+/-0.135 χ^2/NDF : 1169369.9/26

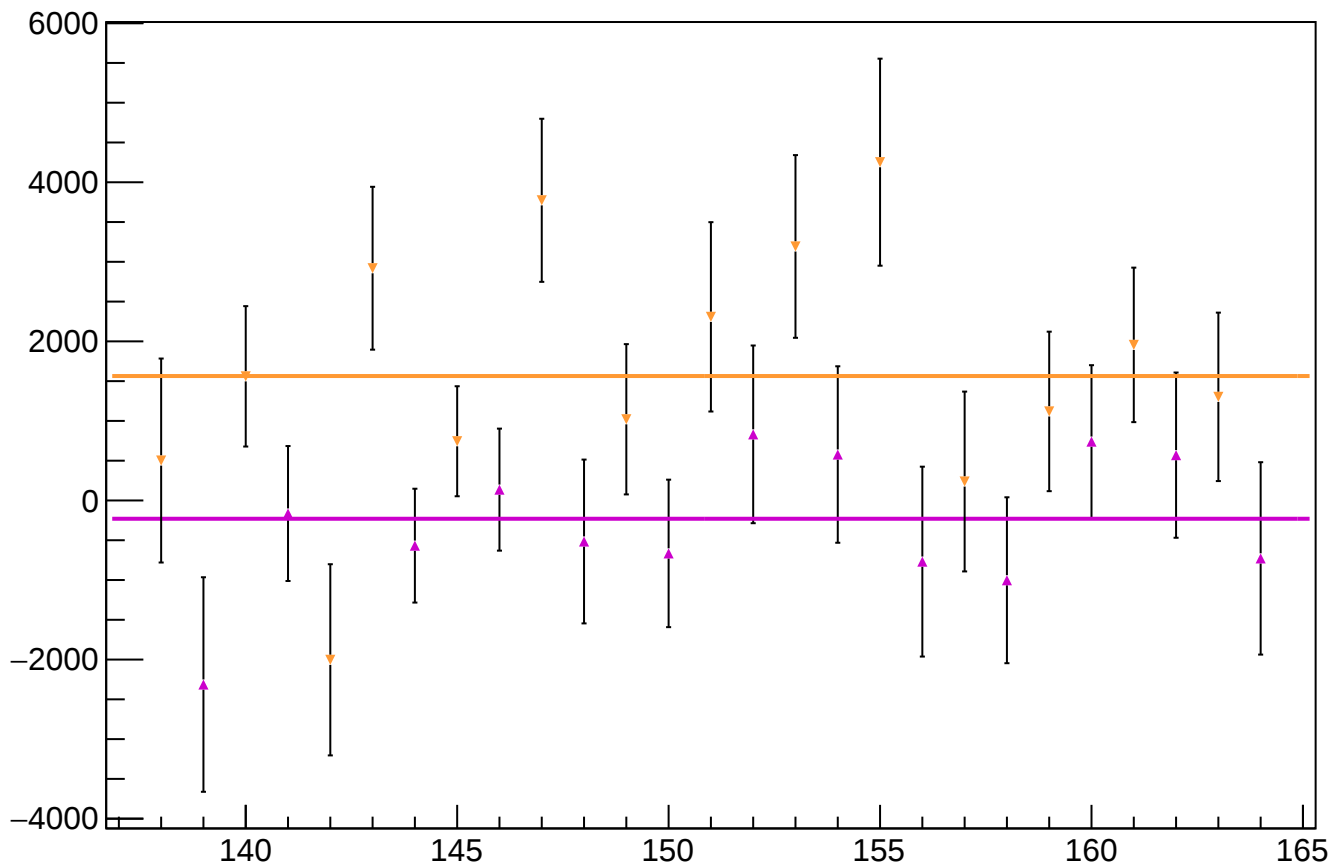
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 851.805+/-0.190 χ^2/NDF : 543509.0/12

Out: 864.560+/-0.191 χ^2/NDF : 623628.3/13

All: 858.149+/-0.135 χ^2/NDF : 1169369.9/26

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1564.192+/-272.279 χ^2/NDF :26.1/13

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

Left In: -229.919+/-270.861 χ^2/NDF :7.1/12

Left: 662.450+/-192.027 χ^2/NDF : 55.0/26

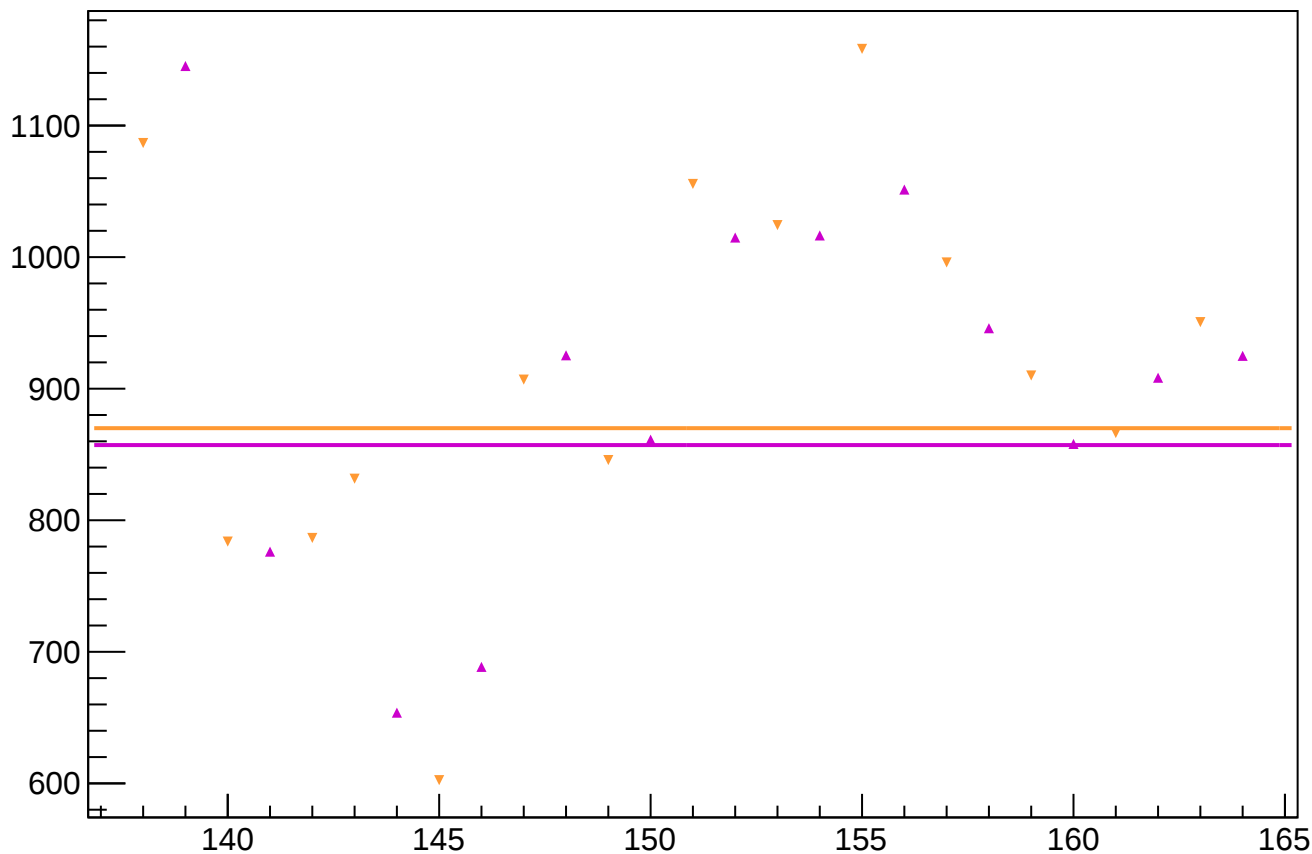
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -229.919+/-270.861 χ^2/NDF :7.1/12

Out: 1564.192+/-272.279 χ^2/NDF :26.1/13

All: 662.450+/-192.027 χ^2/NDF : 55.0/26

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 869.990+/-0.193 χ^2/NDF : 614586.1/13

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

Left In: 857.142+/-0.192 χ^2/NDF : 536357.6/12

Left: 863.533+/-0.136 χ^2/NDF : 1153181.9/26

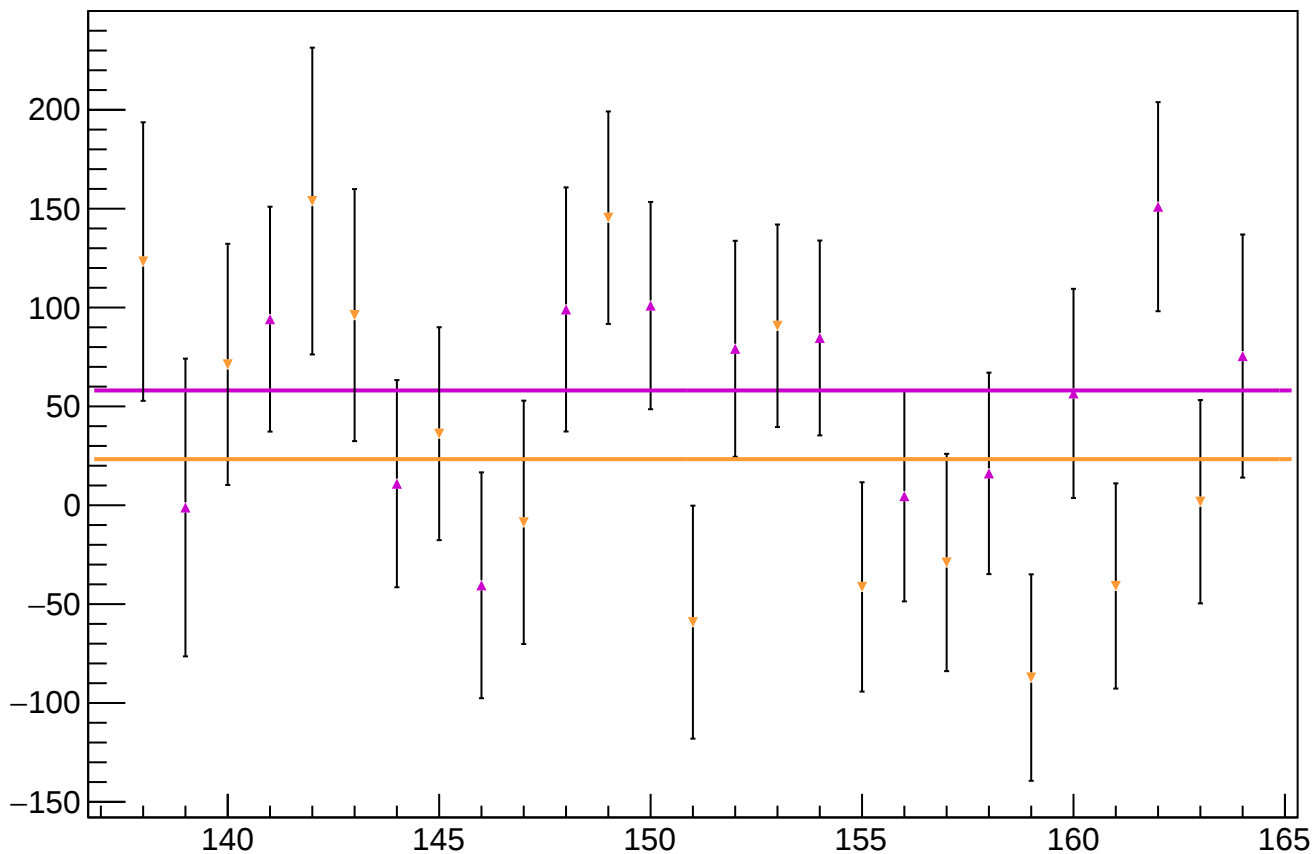
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 857.142+/-0.192 χ^2/NDF : 536357.6/12

Out: 869.990+/-0.193 χ^2/NDF : 614586.1/13

All: 863.533+/-0.136 χ^2/NDF : 1153181.9/26

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: 23.328 $\pm$ 15.230 χ^2 /NDF:24.5/13

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

Left In: 58.067 $\pm$ 15.344 χ^2 /NDF:11.2/12

Left: 40.568 $\pm$ 10.809 χ^2 /NDF: 38.3/26

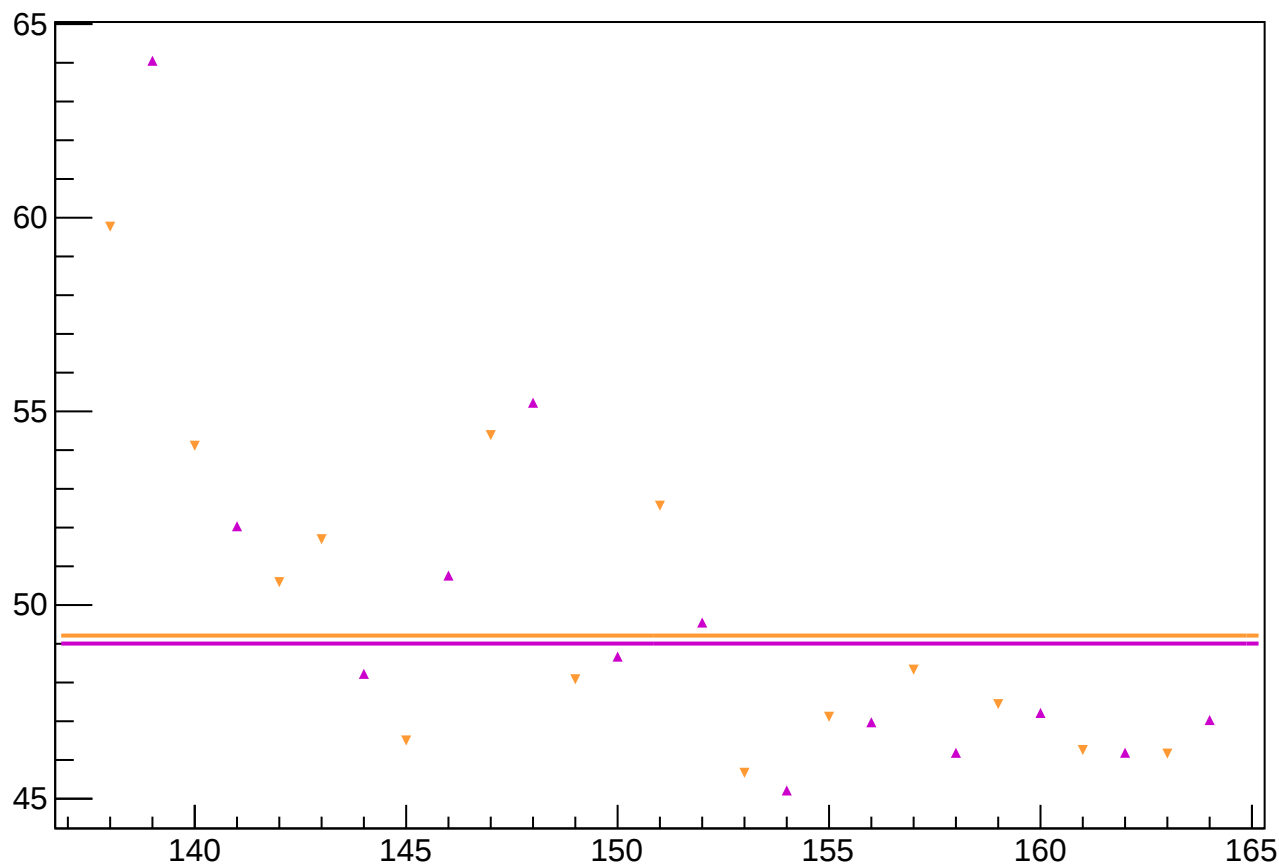
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 58.067 $\pm$ 15.344 χ^2 /NDF:11.2/12

Out: 23.328 $\pm$ 15.230 χ^2 /NDF:24.5/13

All: 40.568 $\pm$ 10.809 χ^2 /NDF: 38.3/26

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 49.212+/-0.011 χ^2/NDF :117087.7/13

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

Left In: 49.006+/-0.011 χ^2/NDF :139389.0/12

Left: 49.110+/-0.008 χ^2/NDF : 256659.7/26

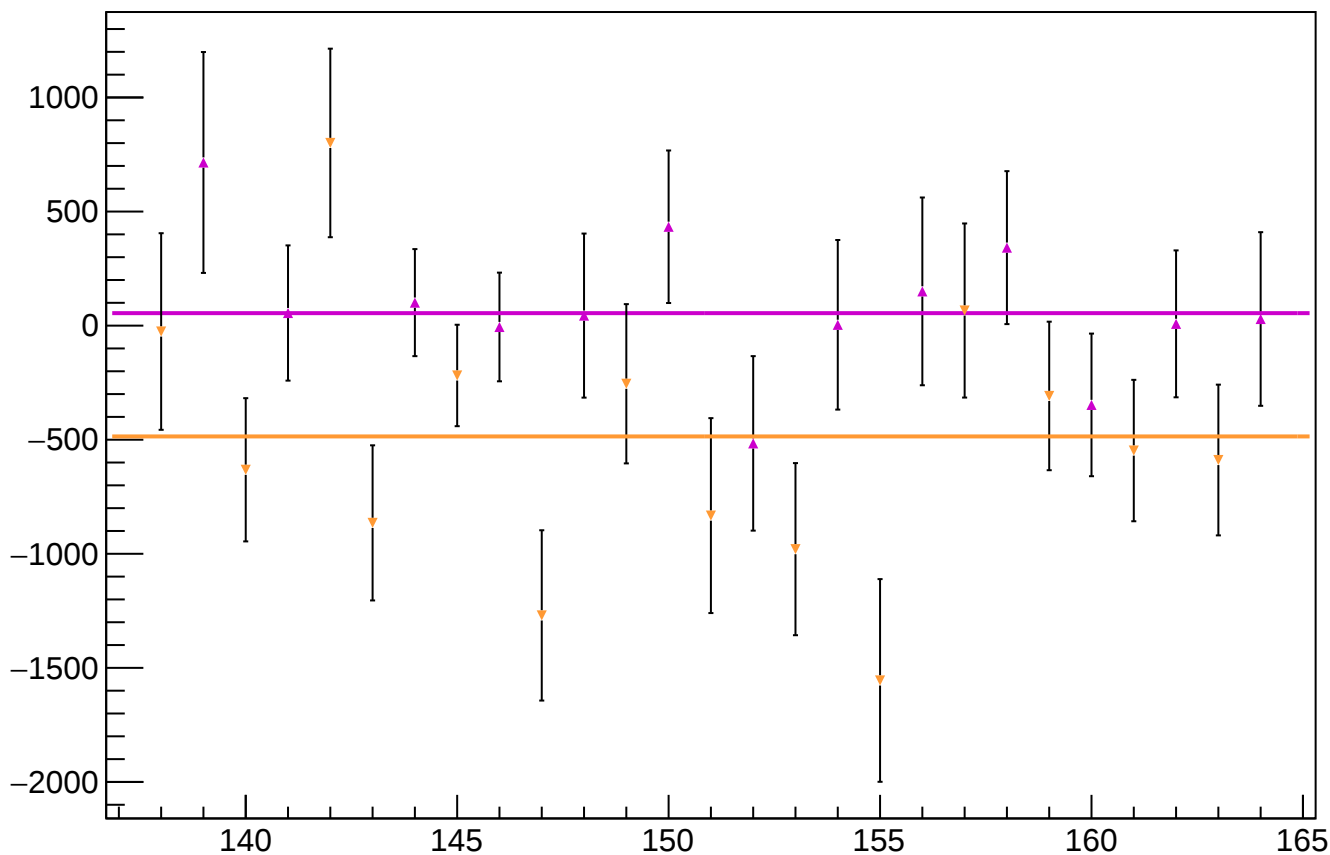
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 49.006+/-0.011 χ^2/NDF :139389.0/12

Out: 49.212+/-0.011 χ^2/NDF :117087.7/13

All: 49.110+/-0.008 χ^2/NDF : 256659.7/26

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -485.635+/-91.619 χ^2/NDF :29.3/13

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

Left In: 54.740+/-89.872 χ^2/NDF :8.0/12

Left: -210.246+/-64.158 χ^2/NDF : 55.0/26

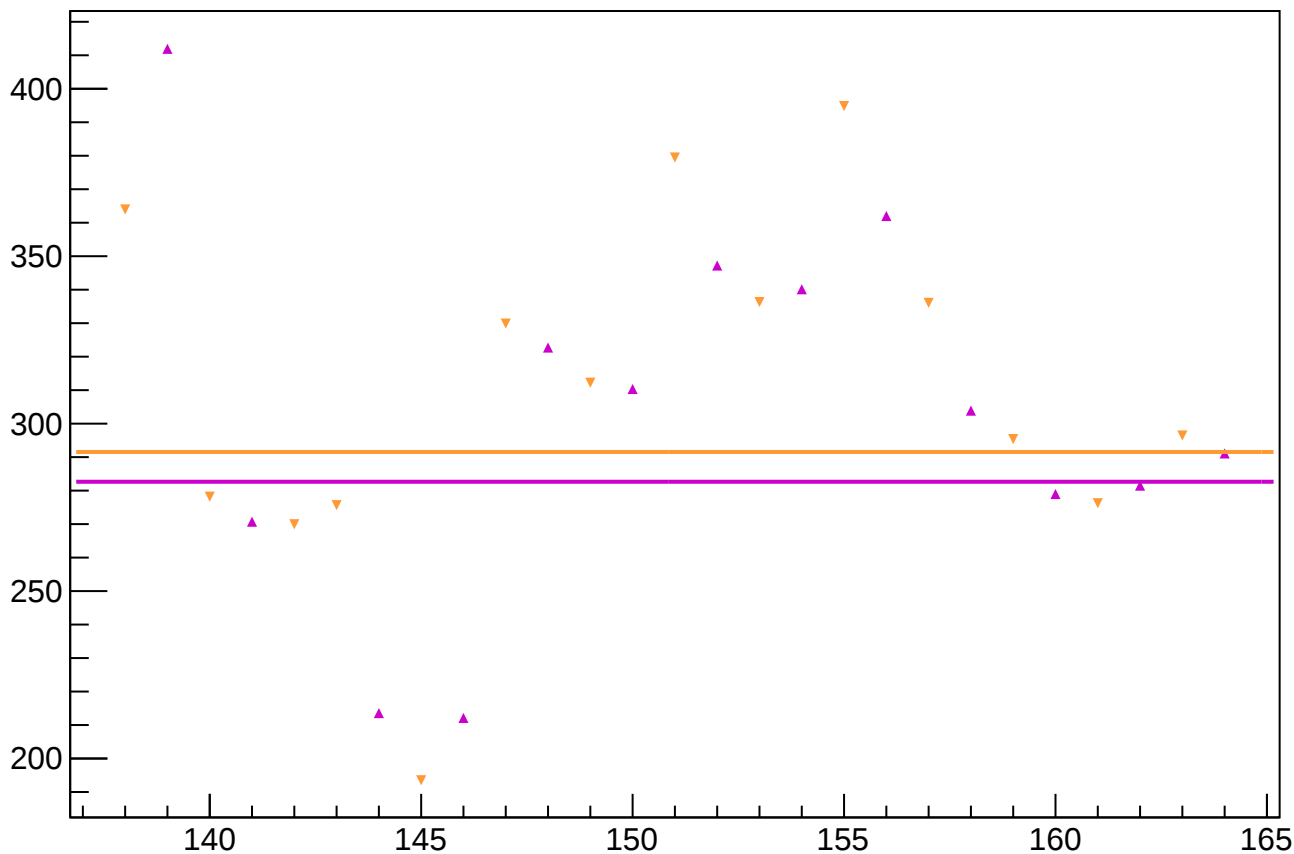
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 54.740+/-89.872 χ^2/NDF :8.0/12

Out: -485.635+/-91.619 χ^2/NDF :29.3/13

All: -210.246+/-64.158 χ^2/NDF : 55.0/26

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 291.539+/-0.065 χ^2/NDF : 740978.1/13

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

Left In: 282.651+/-0.064 χ^2/NDF : 721814.8/12

Left: 287.009+/-0.045 χ^2/NDF : 1472386.0/26

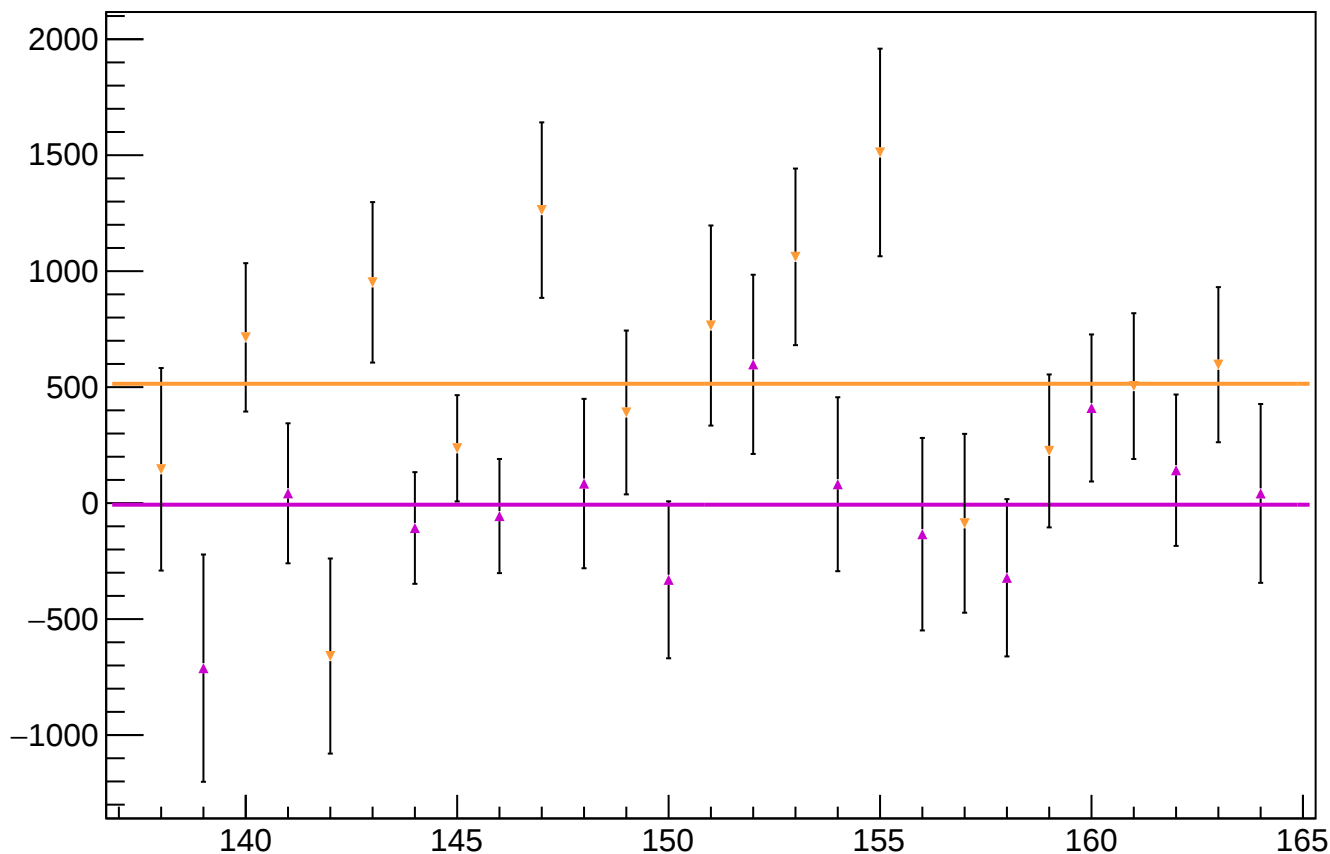
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 282.651+/-0.064 χ^2/NDF : 721814.8/12

Out: 291.539+/-0.065 χ^2/NDF : 740978.1/13

All: 287.009+/-0.045 χ^2/NDF : 1472386.0/26

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 514.594+/-93.108 χ^2/NDF :26.6/13

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

Left In: -6.862+/-91.465 χ^2/NDF :8.7/12

Left: 249.227+/-65.249 χ^2/NDF : 51.3/26

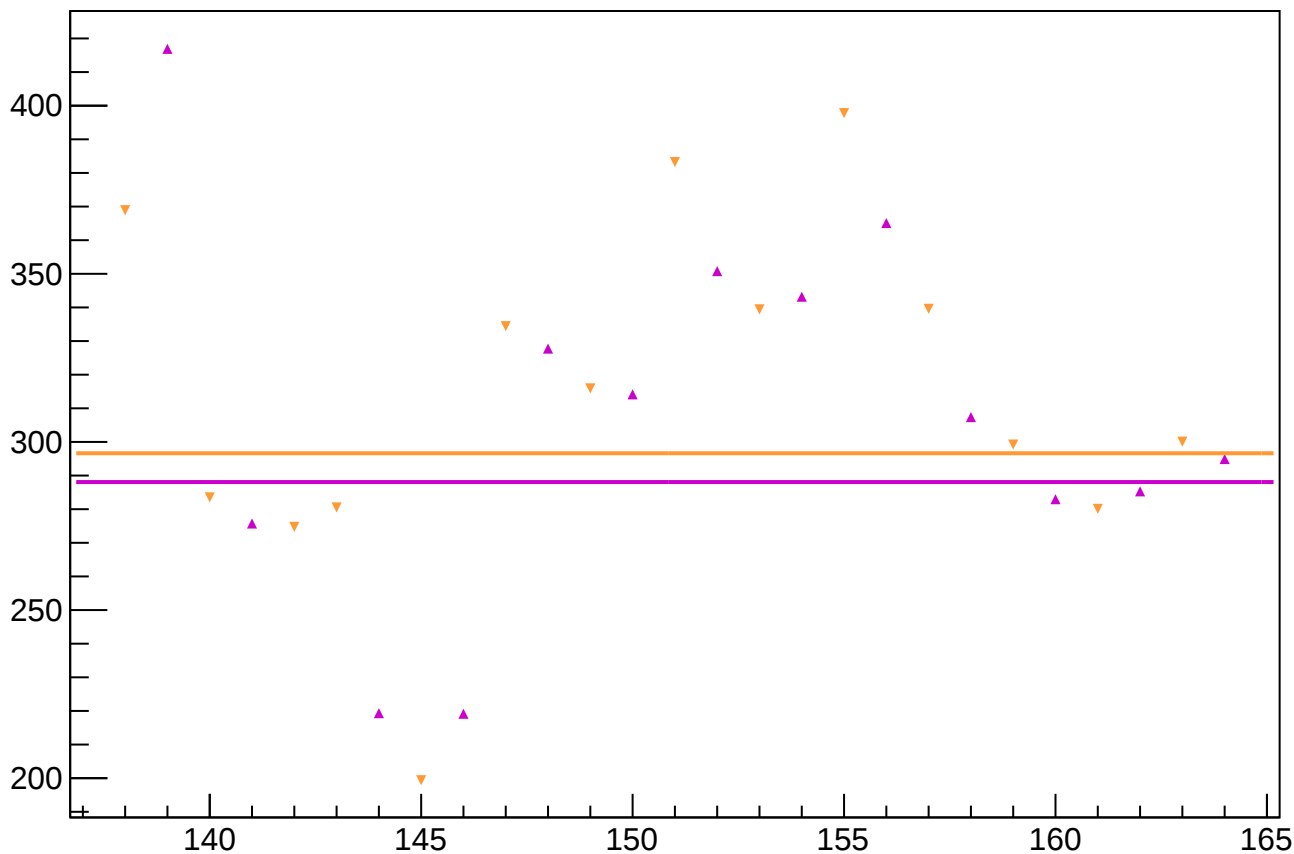
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.862+/-91.465 χ^2/NDF :8.7/12

Out: 514.594+/-93.108 χ^2/NDF :26.6/13

All: 249.227+/-65.249 χ^2/NDF : 51.3/26

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 296.637+/-0.066 χ^2/NDF :693059.7/13

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

Left In: 288.072+/-0.065 χ^2/NDF :669684.6/12

Left: 292.278+/-0.046 χ^2/NDF : 1371358.2/26

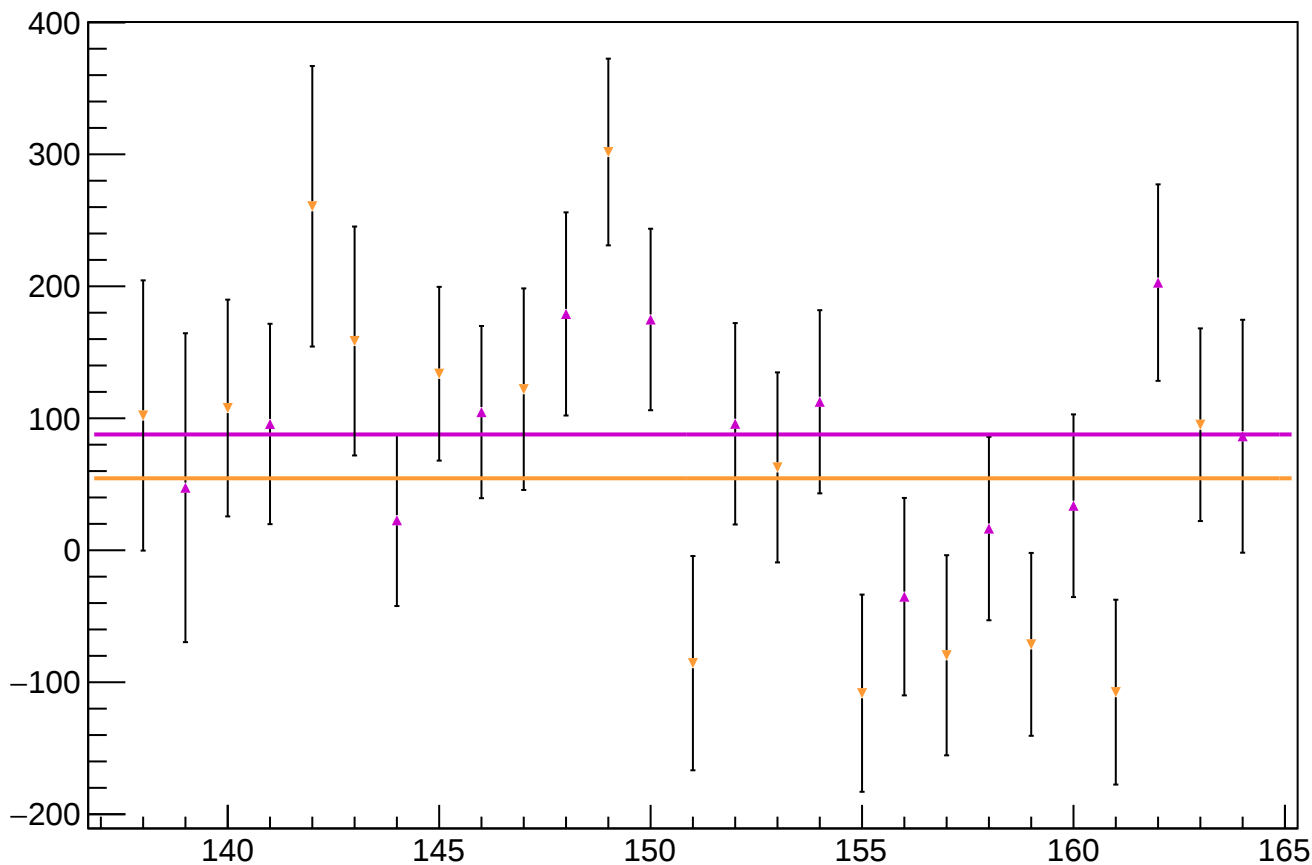
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 288.072+/-0.065 χ^2/NDF :669684.6/12

Out: 296.637+/-0.066 χ^2/NDF :693059.7/13

All: 292.278+/-0.046 χ^2/NDF : 1371358.2/26

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 54.528+/-20.562 χ^2/NDF :40.1/13

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

Left In: 87.752+/-20.492 χ^2/NDF :11.1/12

Left: 71.197+/-14.515 χ^2/NDF : 52.5/26

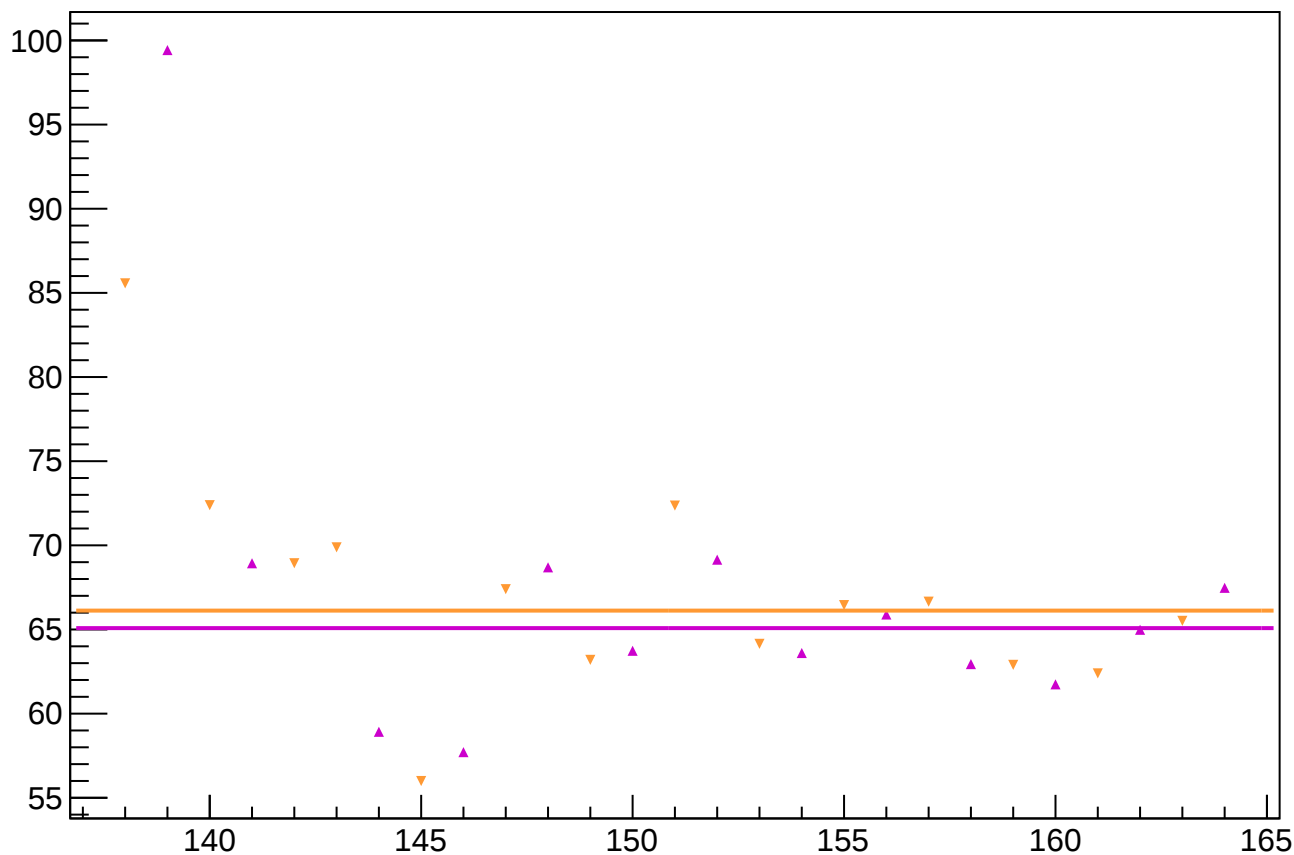
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 87.752+/-20.492 χ^2/NDF :11.1/12

Out: 54.528+/-20.562 χ^2/NDF :40.1/13

All: 71.197+/-14.515 χ^2/NDF : 52.5/26

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 66.122+/-0.015 χ^2/NDF :163852.8/13

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

Left In: 65.081+/-0.014 χ^2/NDF :240939.8/12

Left: 65.600+/-0.010 χ^2/NDF : 407363.7/26

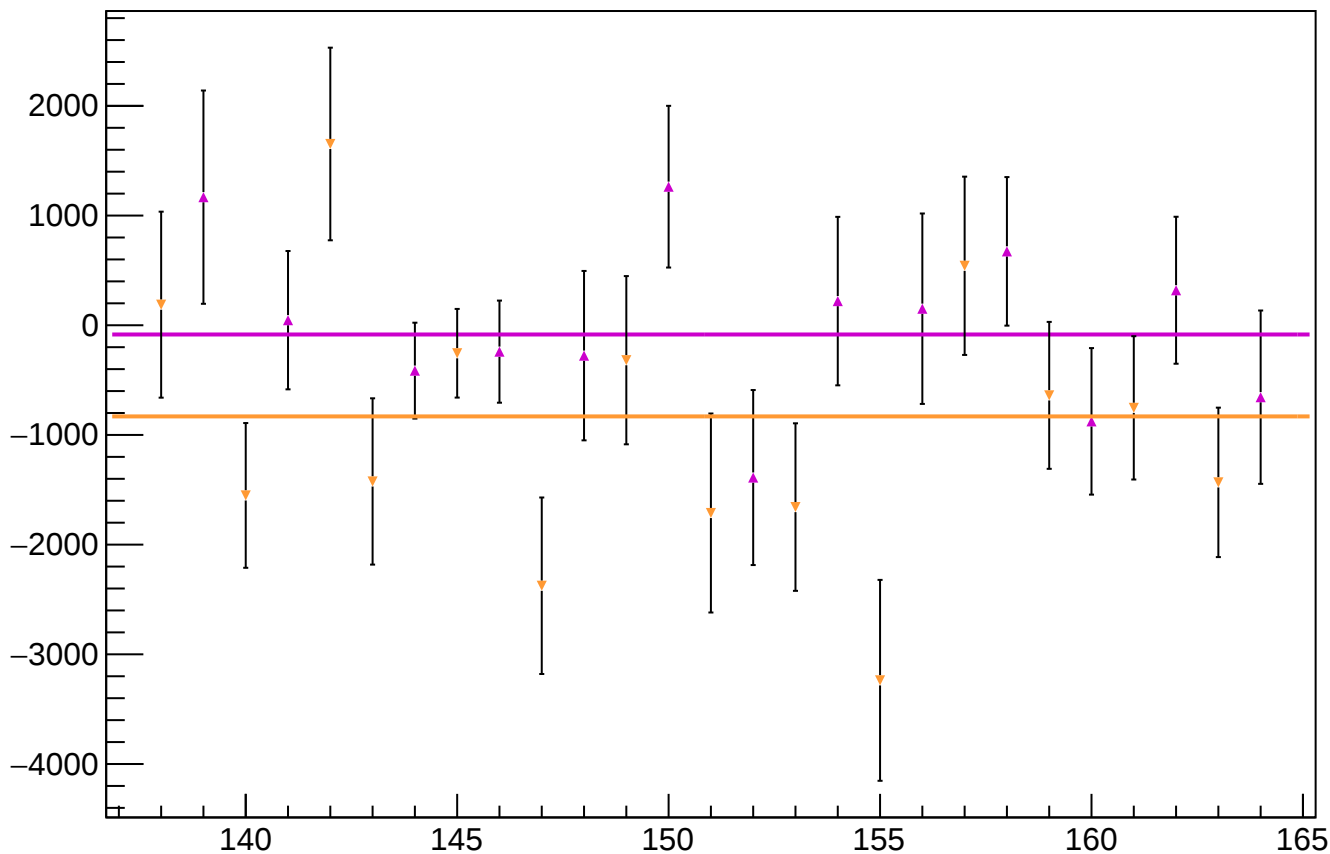
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 65.081+/-0.014 χ^2/NDF :240939.8/12

Out: 66.122+/-0.015 χ^2/NDF :163852.8/13

All: 65.600+/-0.010 χ^2/NDF : 407363.7/26

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -831.080+/-187.462 χ^2/NDF :30.2/13

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

Left In: -84.164+/-183.228 χ^2/NDF :12.2/12

Left: -449.091+/-131.033 χ^2/NDF : 50.5/26

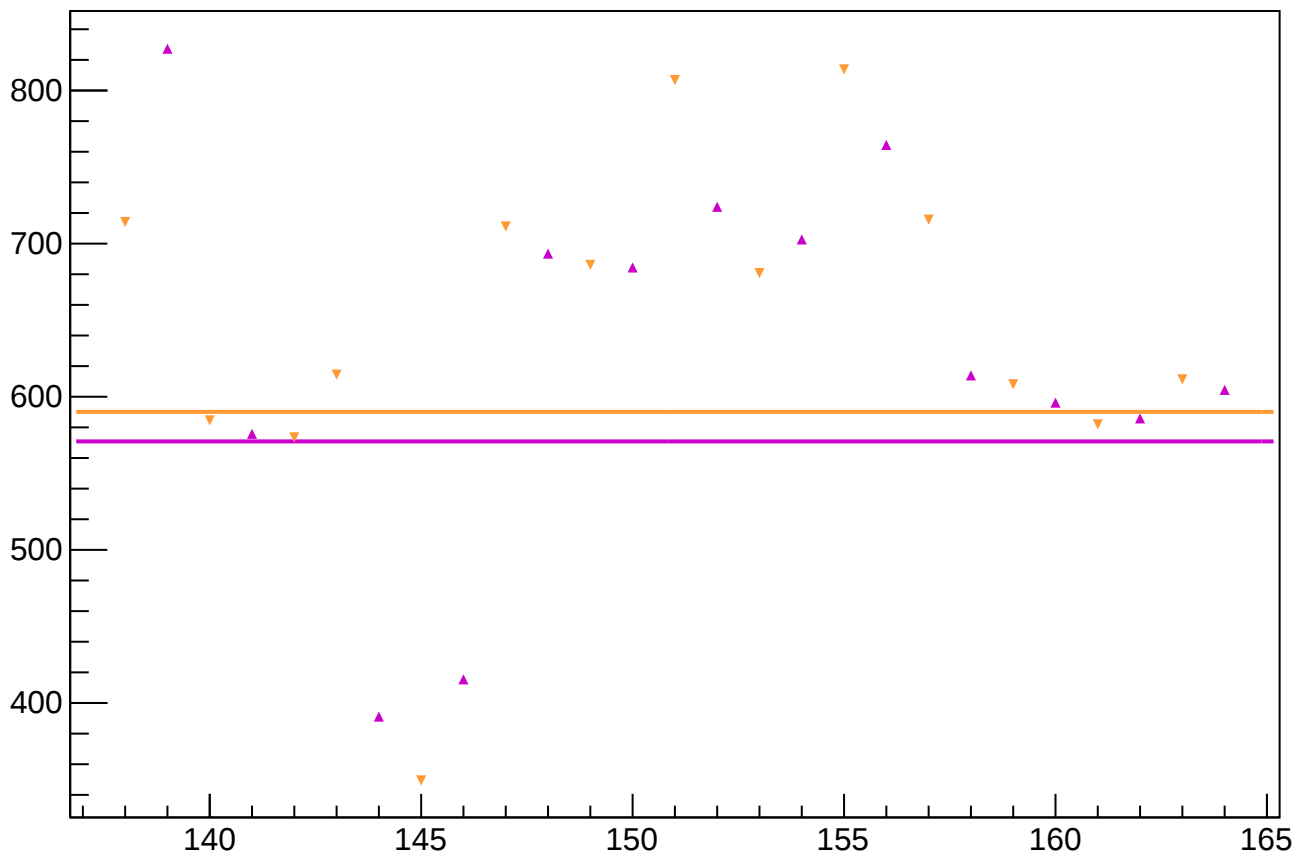
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -84.164+/-183.228 χ^2/NDF :12.2/12

Out: -831.080+/-187.462 χ^2/NDF :30.2/13

All: -449.091+/-131.033 χ^2/NDF : 50.5/26

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 590.130+/-0.133 χ^2/NDF :1144418.2/13

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

Left In: 570.839+/-0.130 χ^2/NDF :1046075.6/12

Left: 580.264+/-0.093 χ^2/NDF : 2201325.9/26

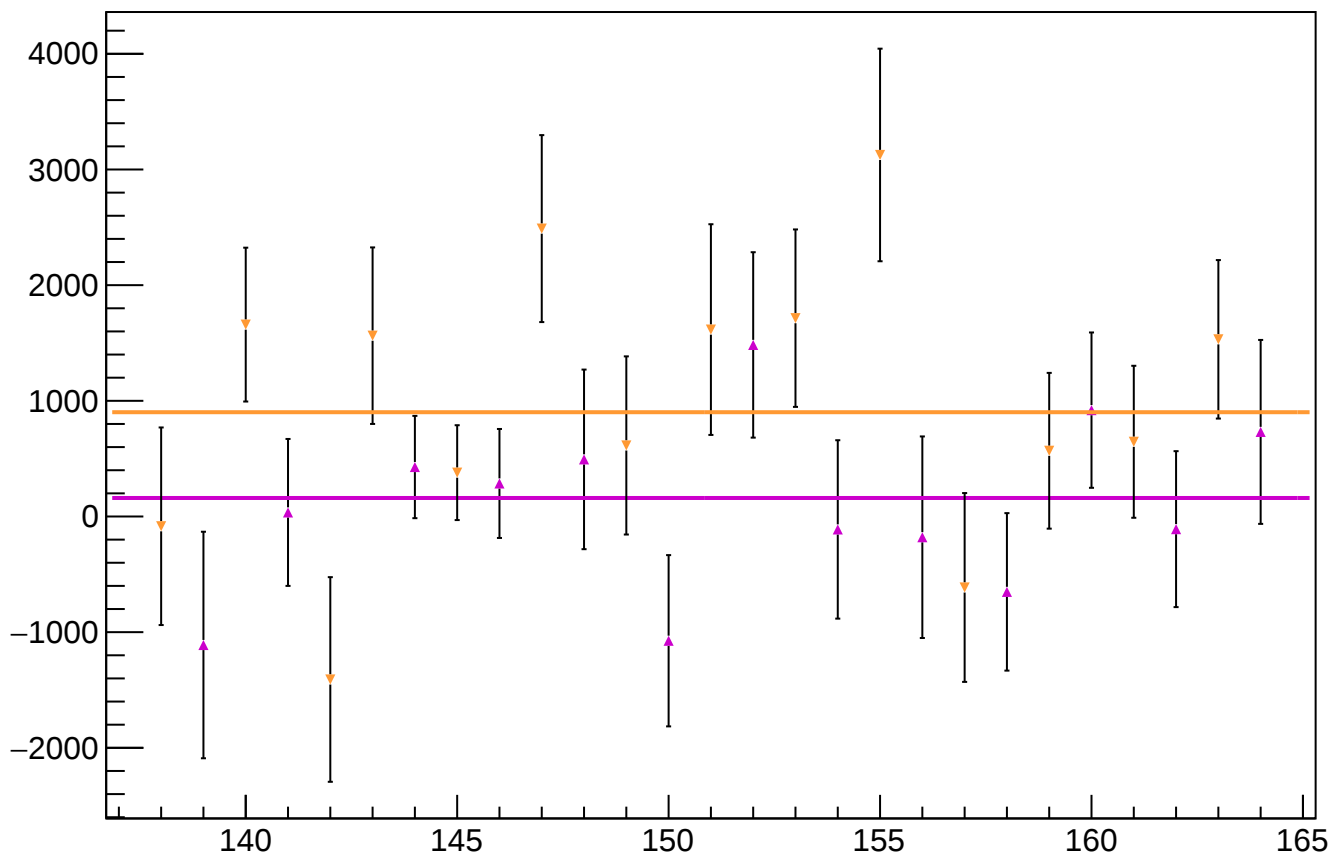
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 570.839+/-0.130 χ^2/NDF :1046075.6/12

Out: 590.130+/-0.133 χ^2/NDF :1144418.2/13

All: 580.264+/-0.093 χ^2/NDF : 2201325.9/26

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 901.572+/-188.866 χ^2/NDF :28.1/13

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

Left In: 160.041+/-184.631 χ^2/NDF :11.5/12

Left: 522.400+/-132.026 χ^2/NDF : 47.5/26

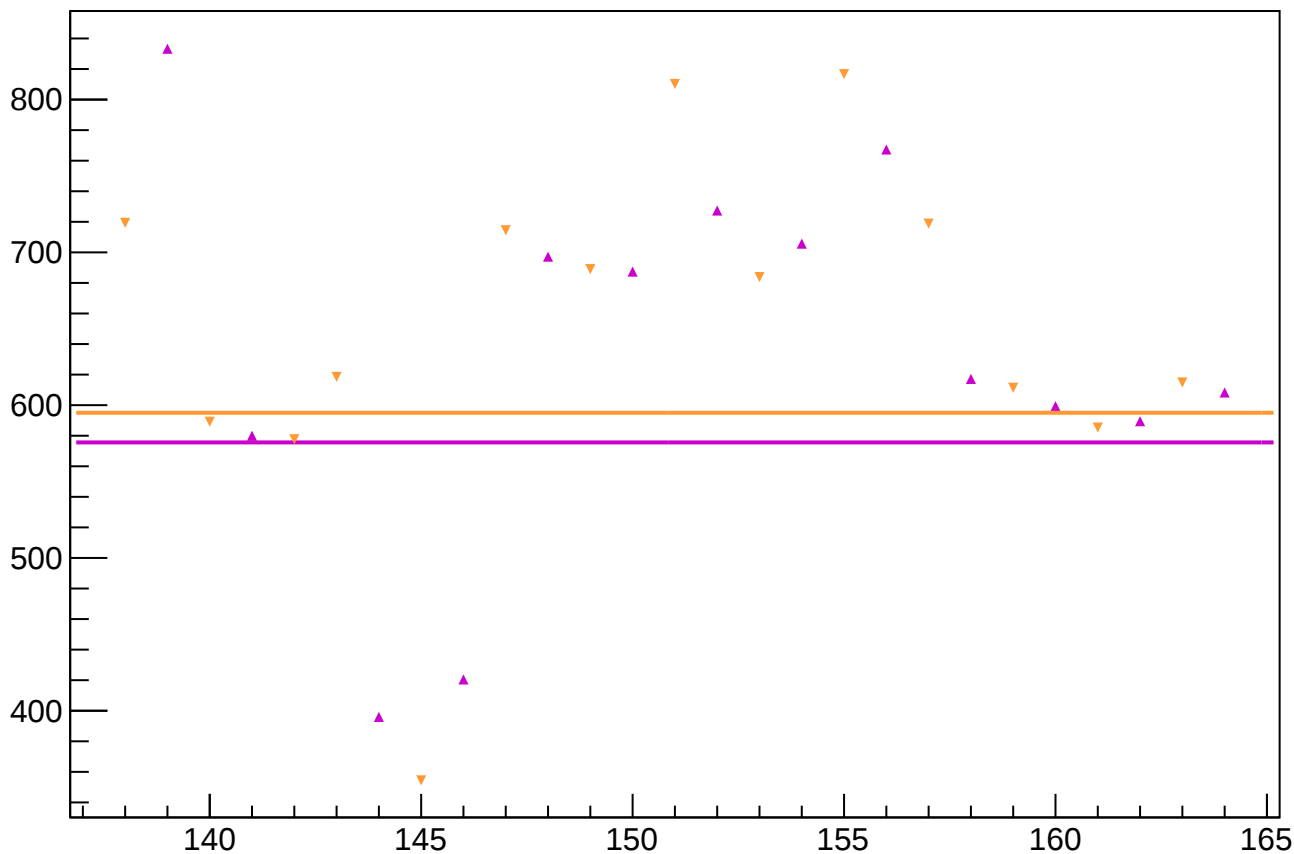
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 160.041+/-184.631 χ^2/NDF :11.5/12

Out: 901.572+/-188.866 χ^2/NDF :28.1/13

All: 522.400+/-132.026 χ^2/NDF : 47.5/26

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 595.031+/-0.134 χ^2/NDF :1111248.2/13

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

Left In: 575.620+/-0.131 χ^2/NDF :1019635.8/12

Left: 585.105+/-0.093 χ^2/NDF : 2141686.9/26

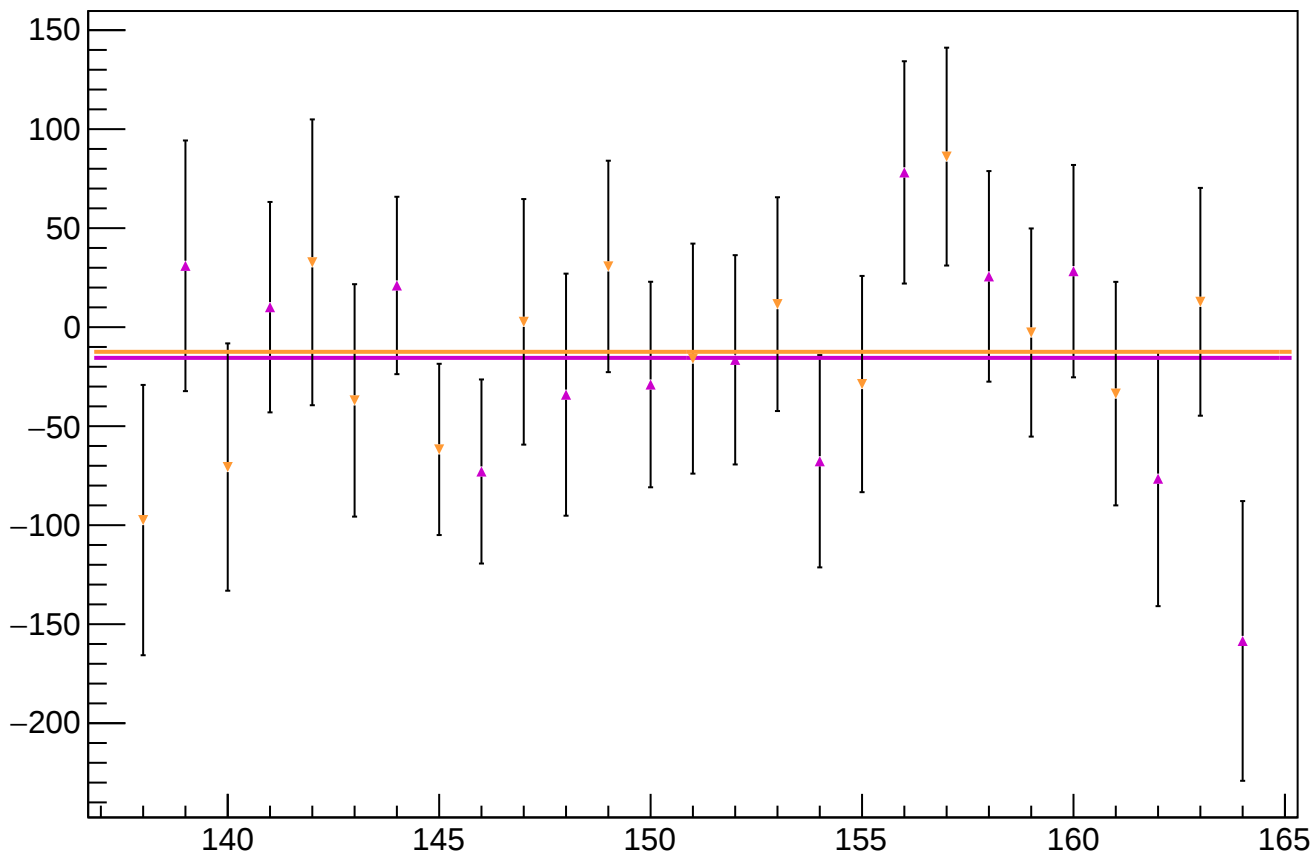
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 575.620+/-0.131 χ^2/NDF :1019635.8/12

Out: 595.031+/-0.134 χ^2/NDF :1111248.2/13

All: 585.105+/-0.093 χ^2/NDF : 2141686.9/26

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: -12.454+/-15.106 χ^2/NDF : 8.9/13

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

Left In: -15.511+/-15.126 χ^2/NDF : 13.1/12

Left: -13.980+/-10.689 χ^2/NDF : 22.0/26

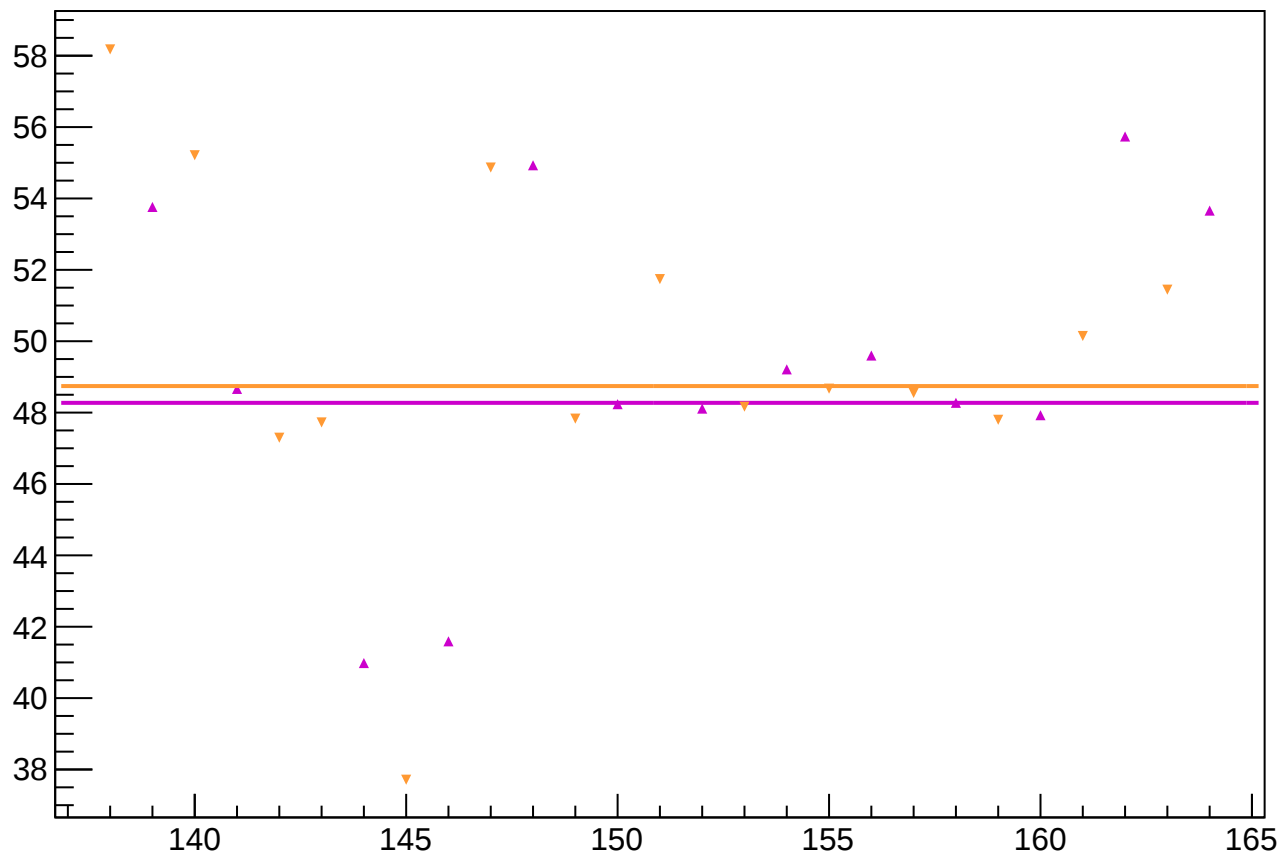
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.511+/-15.126 χ^2/NDF : 13.1/12

Out: -12.454+/-15.106 χ^2/NDF : 8.9/13

All: -13.980+/-10.689 χ^2/NDF : 22.0/26

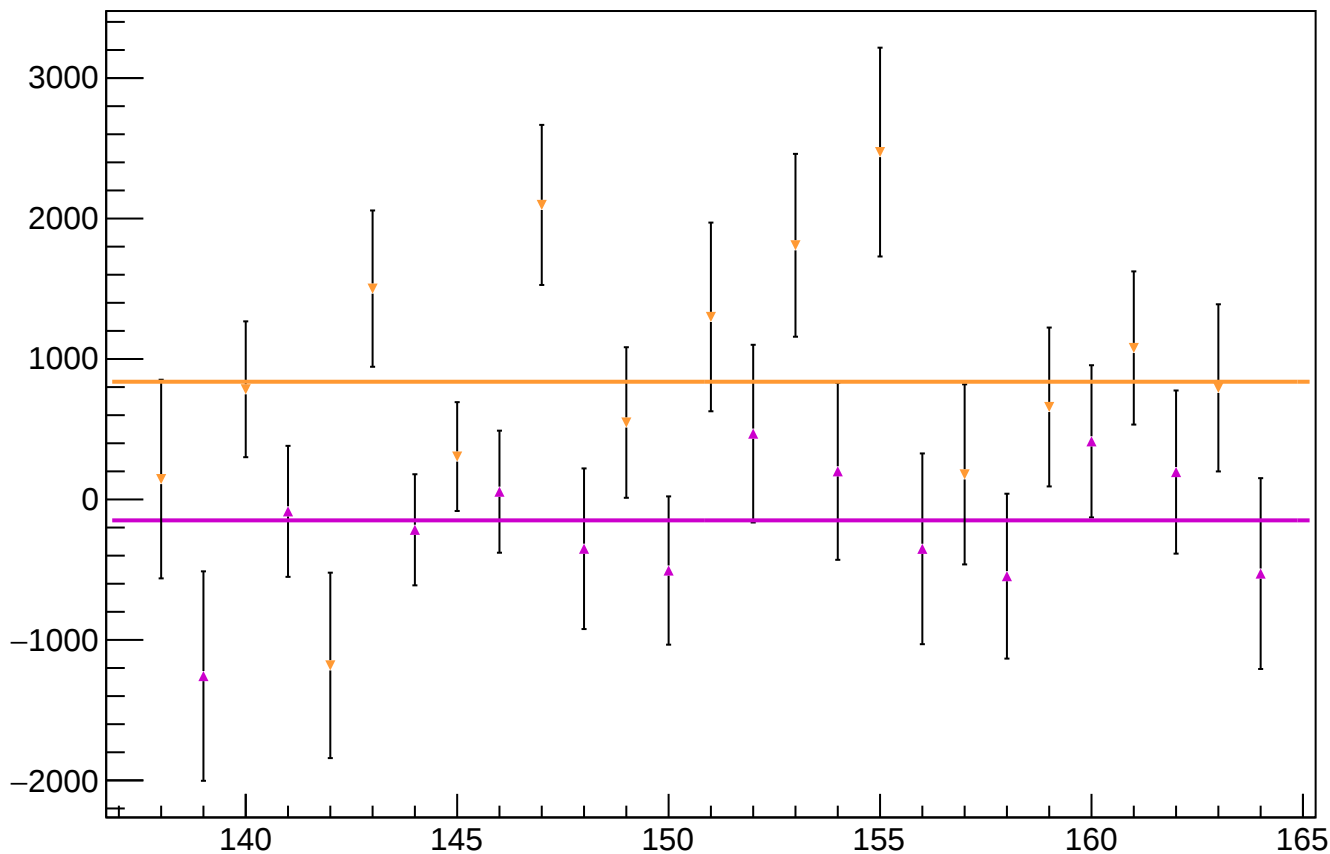
reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: 48.743+/-0.011 χ^2 /NDF:223146.3/13
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: 48.273+/-0.011 χ^2 /NDF:173536.8/12

Left: 48.509+/-0.008 χ^2 /NDF: 397649.5/26
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 In: 48.273+/-0.011 χ^2 /NDF:173536.8/12
 Out: 48.743+/-0.011 χ^2 /NDF:223146.3/13
 All: 48.509+/-0.008 χ^2 /NDF: 397649.5/26

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: 838.149+/-152.225 χ^2/NDF :27.7/13

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

Left In: -148.889+/-151.866 χ^2/NDF :6.6/12

Left: 343.464+/-107.512 χ^2/NDF : 55.4/26

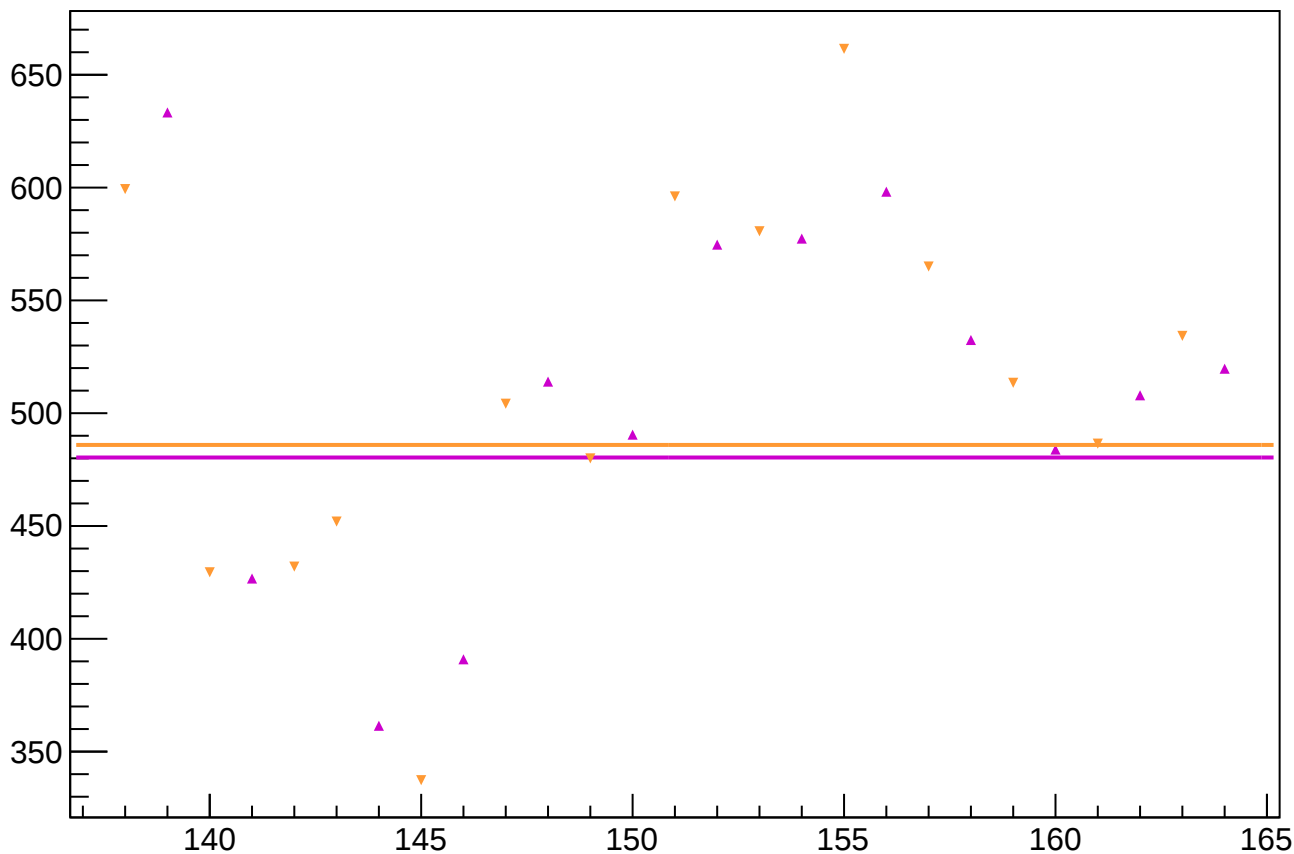
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -148.889+/-151.866 χ^2/NDF :6.6/12

Out: 838.149+/-152.225 χ^2/NDF :27.7/13

All: 343.464+/-107.512 χ^2/NDF : 55.4/26

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: 485.933+/-0.108 χ^2/NDF : 652064.0/13

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

Left In: 480.361+/-0.107 χ^2/NDF : 563033.9/12

Left: 483.140+/-0.076 χ^2/NDF : 1216441.1/26

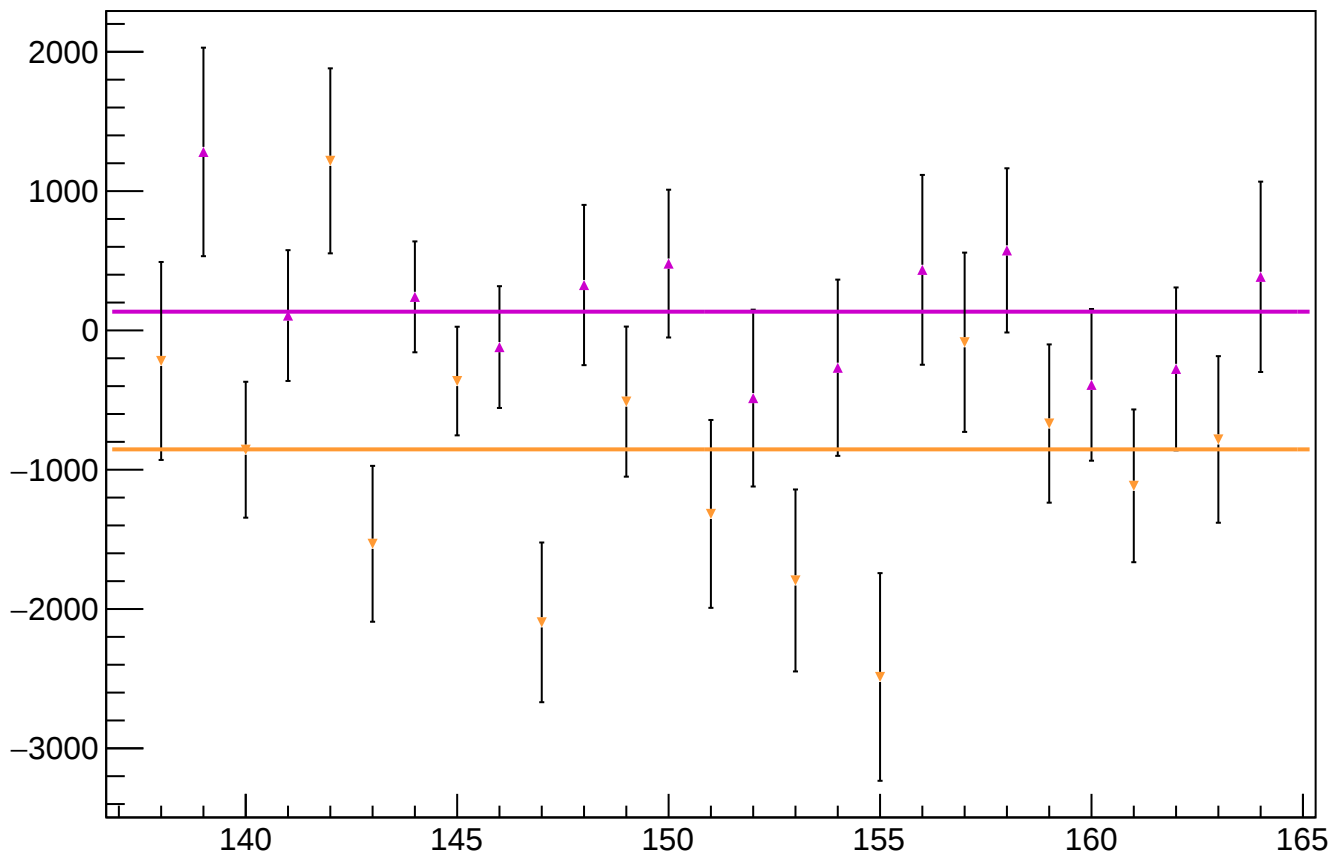
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 480.361+/-0.107 χ^2/NDF : 563033.9/12

Out: 485.933+/-0.108 χ^2/NDF : 652064.0/13

All: 483.140+/-0.076 χ^2/NDF : 1216441.1/26

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -853.925+/-153.050 χ^2/NDF :27.8/13

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

Left In: 134.460+/-152.679 χ^2/NDF :7.0/12

Left: -358.535+/-108.091 χ^2/NDF : 55.7/26

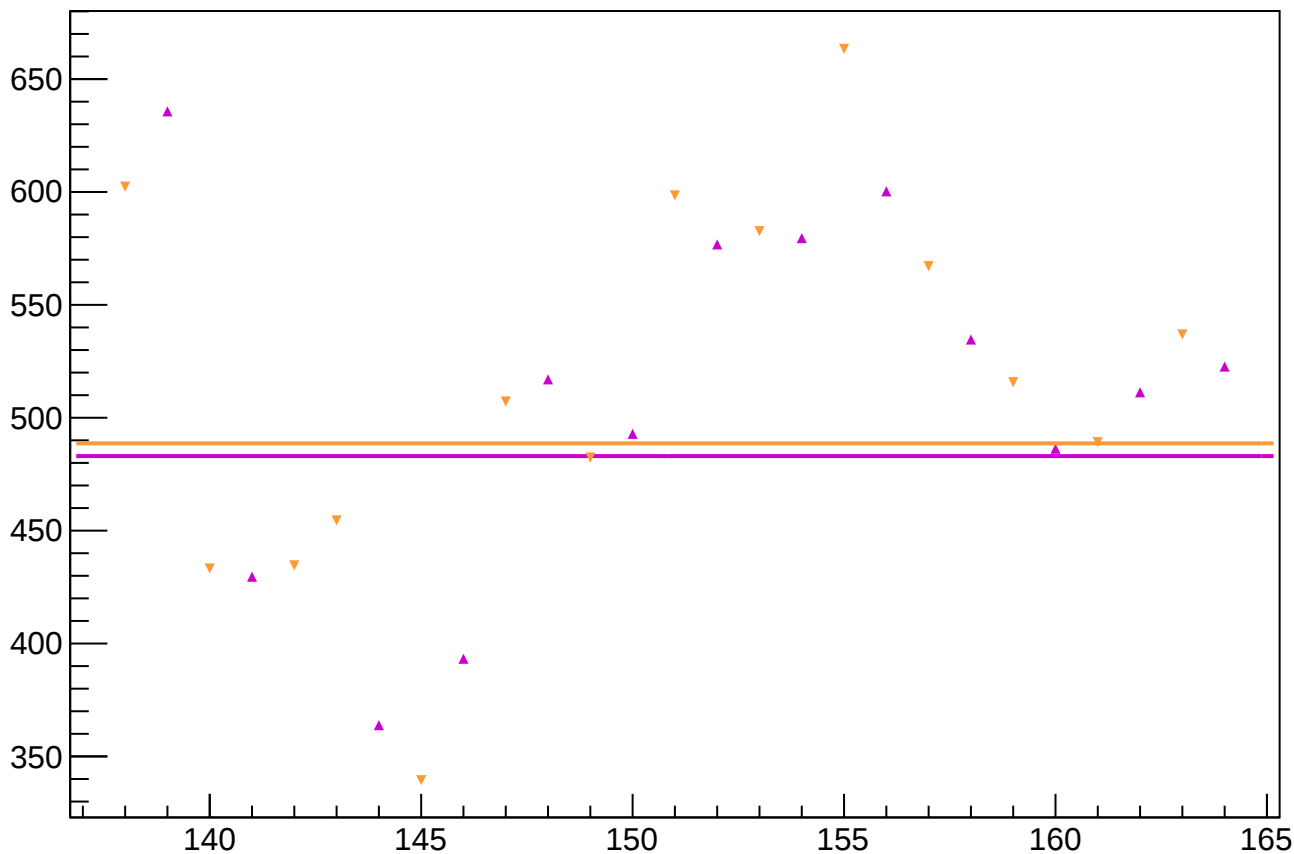
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 134.460+/-152.679 χ^2/NDF :7.0/12

Out: -853.925+/-153.050 χ^2/NDF :27.8/13

All: -358.535+/-108.091 χ^2/NDF : 55.7/26

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 488.671+/-0.108 χ^2/NDF : 644511.5/13

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

Left In: 483.018+/-0.108 χ^2/NDF : 556773.2/12

Left: 485.837+/-0.076 χ^2/NDF : 1202652.1/26

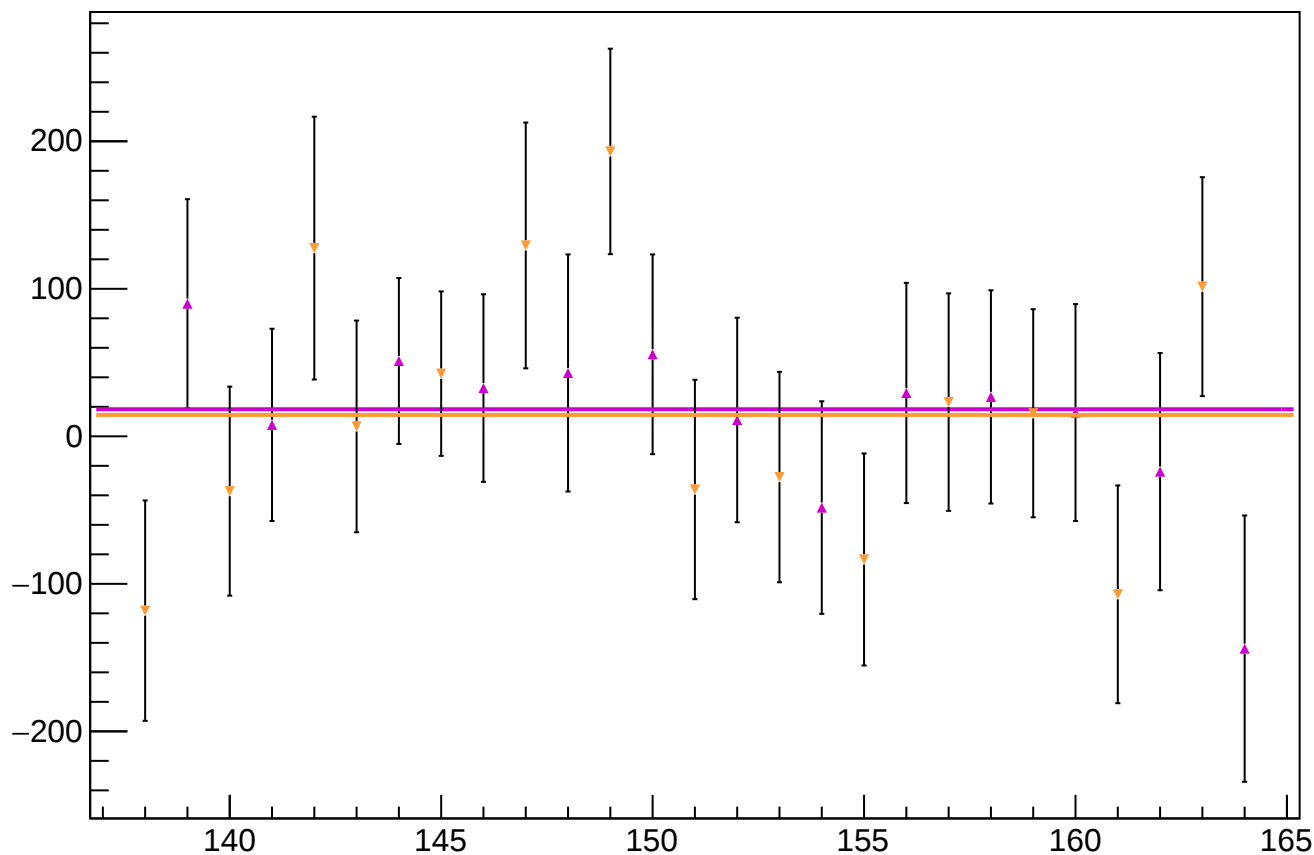
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 483.018+/-0.108 χ^2/NDF : 556773.2/12

Out: 488.671+/-0.108 χ^2/NDF : 644511.5/13

All: 485.837+/-0.076 χ^2/NDF : 1202652.1/26

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: 14.494 $\pm$ 19.274 χ^2 /NDF:20.8/13

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

Left In: 18.339 $\pm$ 19.591 χ^2 /NDF:6.2/12

Left: 16.385 $\pm$ 13.739 χ^2 /NDF: 27.1/26

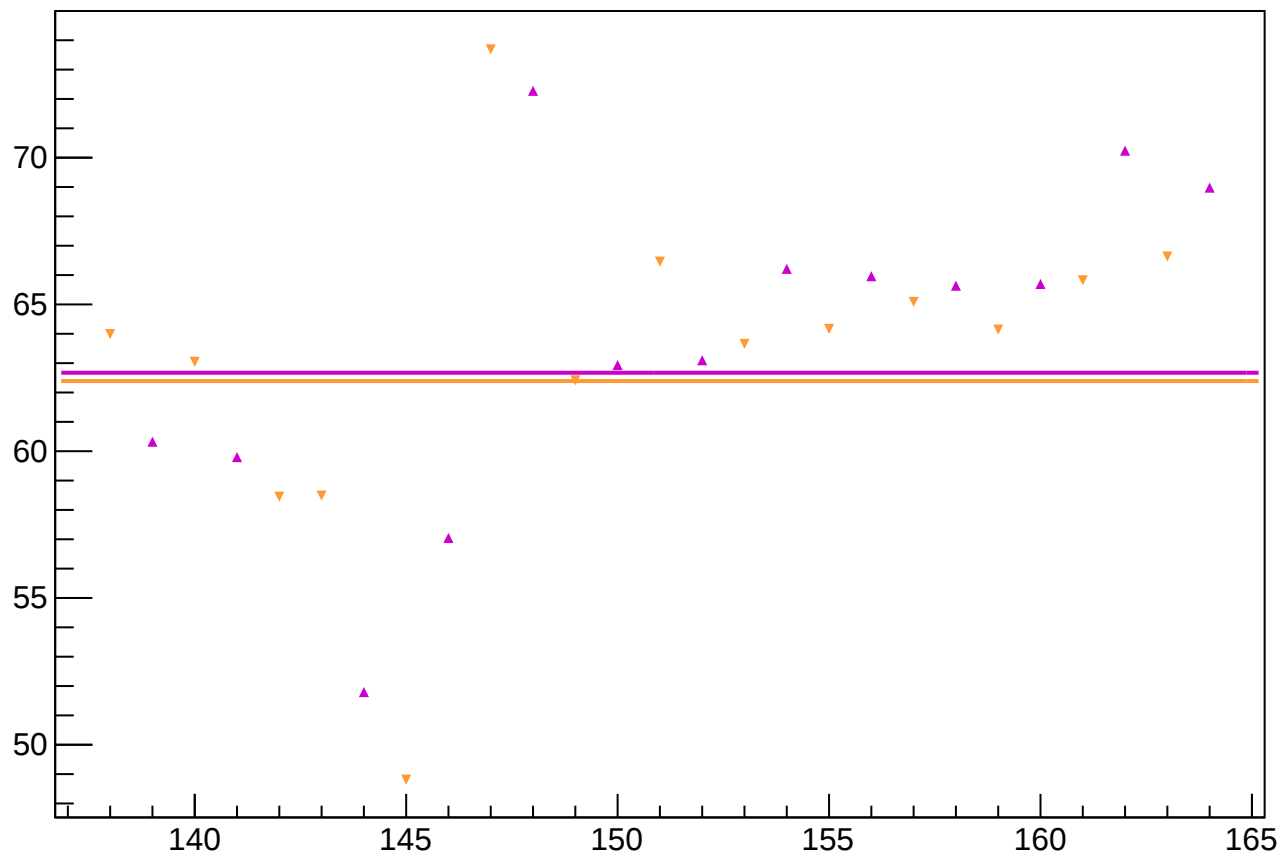
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 18.339 $\pm$ 19.591 χ^2 /NDF:6.2/12

Out: 14.494 $\pm$ 19.274 χ^2 /NDF:20.8/13

All: 16.385 $\pm$ 13.739 χ^2 /NDF: 27.1/26

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 62.390+/-0.014 χ^2/NDF :189060.0/13

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

Left In: 62.673+/-0.014 χ^2/NDF :168199.0/12

Left: 62.529+/-0.010 χ^2/NDF : 357470.7/26

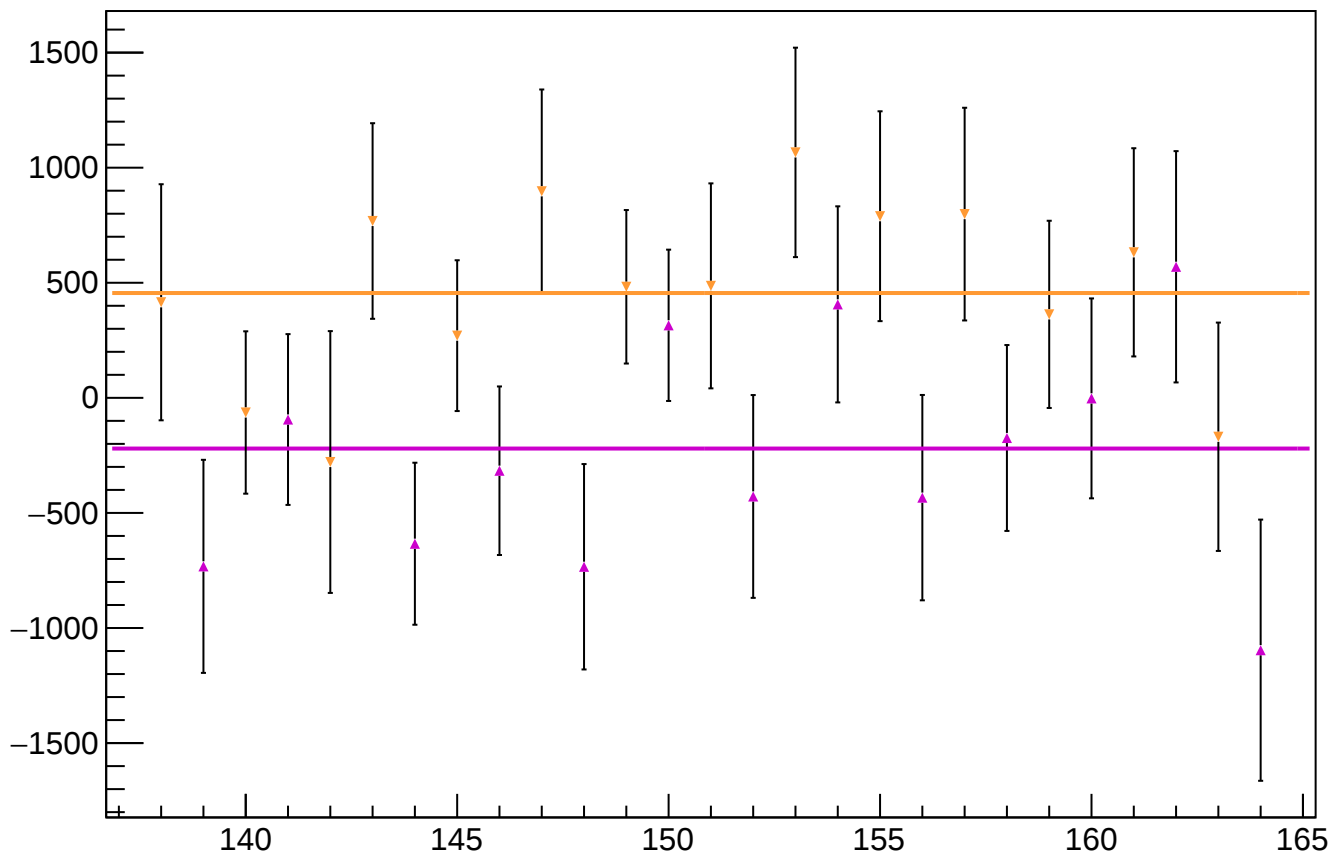
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.673+/-0.014 χ^2/NDF :168199.0/12

Out: 62.390+/-0.014 χ^2/NDF :189060.0/13

All: 62.529+/-0.010 χ^2/NDF : 357470.7/26

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: 455.451+/-113.040 χ^2/NDF :10.4/13

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

Left In: -220.310+/-114.765 χ^2/NDF :14.5/12

Left: 122.688+/-80.534 χ^2/NDF : 42.5/26

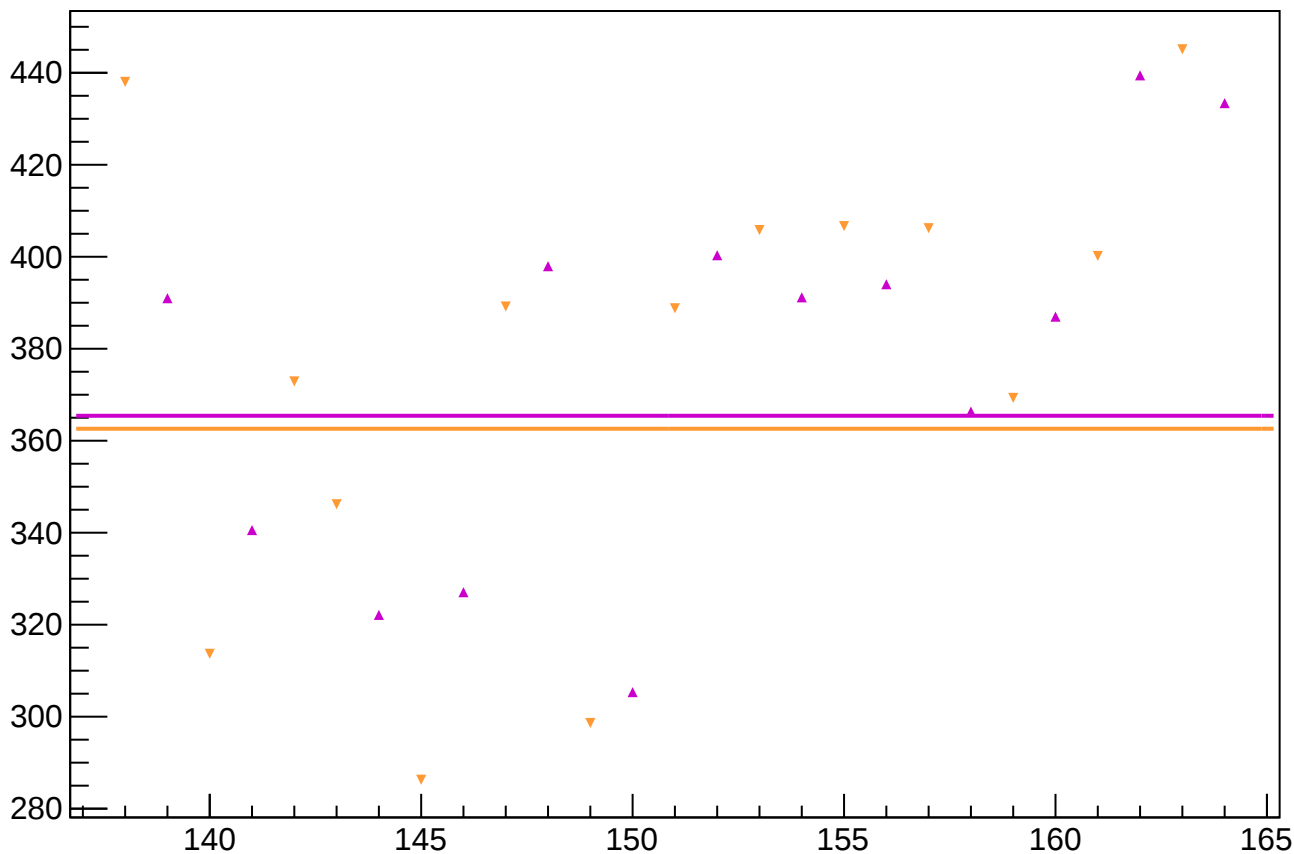
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -220.310+/-114.765 χ^2/NDF :14.5/12

Out: 455.451+/-113.040 χ^2/NDF :10.4/13

All: 122.688+/-80.534 χ^2/NDF : 42.5/26

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: 362.606+/-0.080 χ^2/NDF :405874.4/13

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

Left In: 365.427+/-0.081 χ^2/NDF :249871.8/12

Left: 363.996+/-0.057 χ^2/NDF : 656359.6/26

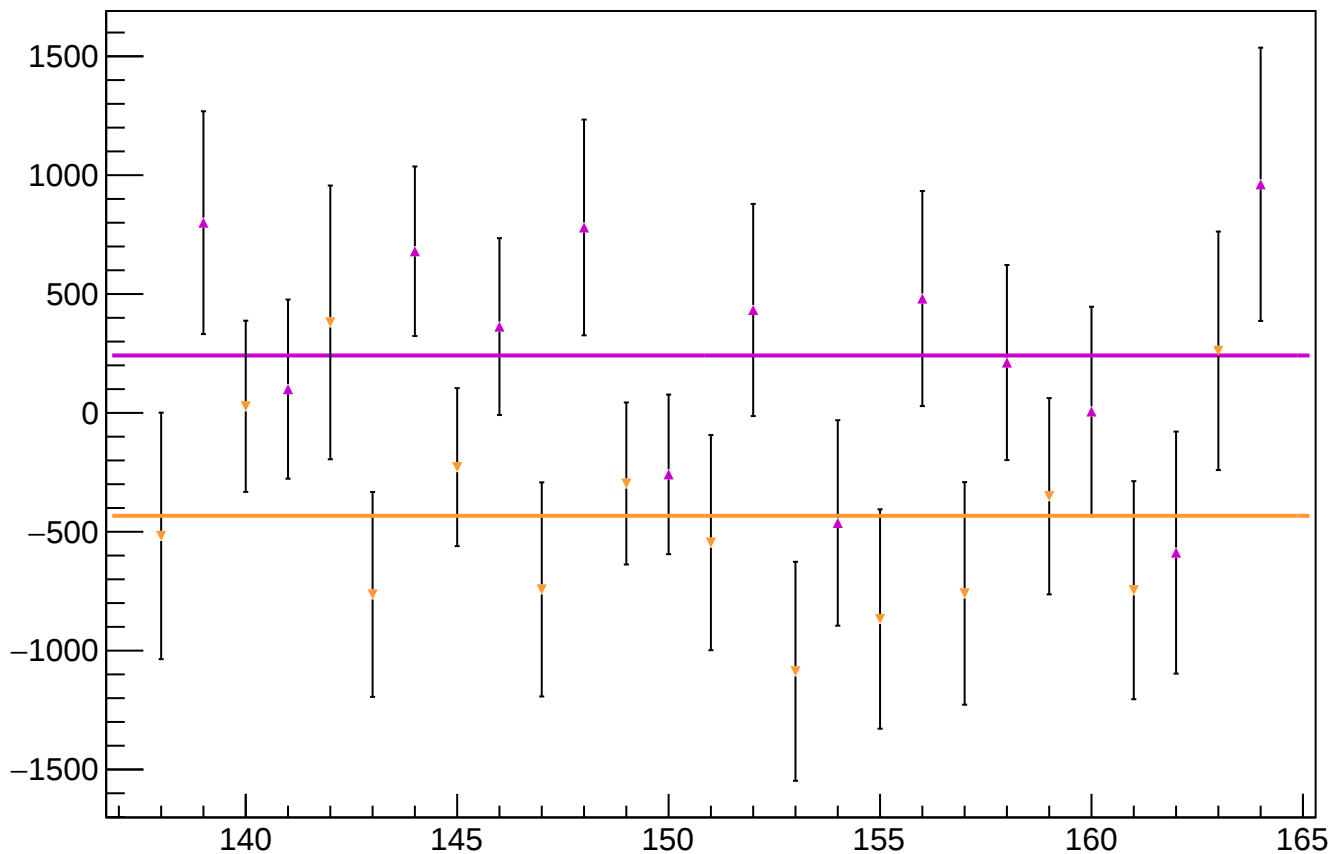
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 365.427+/-0.081 χ^2/NDF :249871.8/12

Out: 362.606+/-0.080 χ^2/NDF :405874.4/13

All: 363.996+/-0.057 χ^2/NDF : 656359.6/26

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -432.825+/-114.792 χ^2/NDF :11.1/13

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

Left In: 241.530+/-116.510 χ^2/NDF :14.4/12

Left: -100.654+/-81.771 χ^2/NDF : 42.6/26

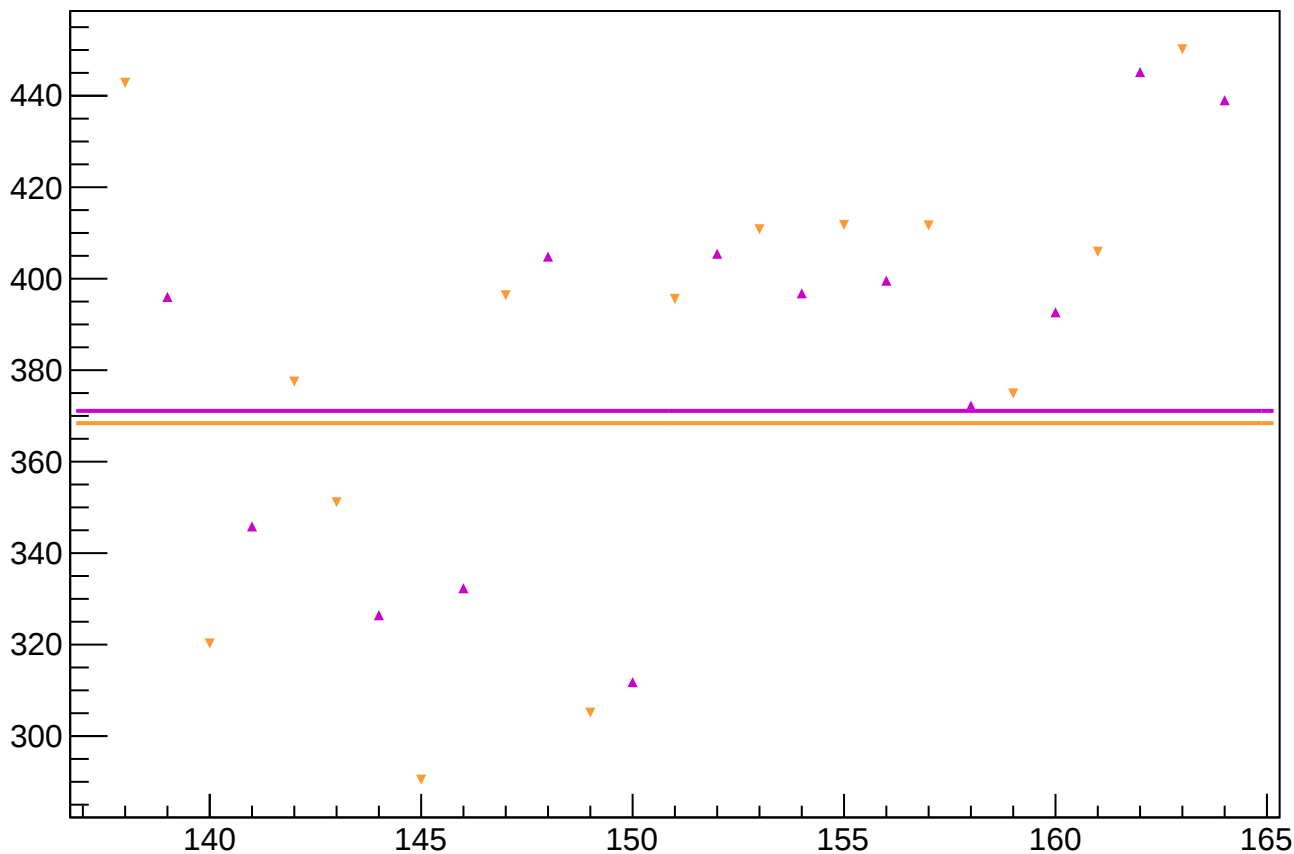
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 241.530+/-116.510 χ^2/NDF :14.4/12

Out: -432.825+/-114.792 χ^2/NDF :11.1/13

All: -100.654+/-81.771 χ^2/NDF : 42.6/26

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 368.423+/-0.081 χ^2/NDF :393312.3/13

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

Left In: 371.104+/-0.082 χ^2/NDF :243177.1/12

Left: 369.743+/-0.058 χ^2/NDF : 637026.6/26

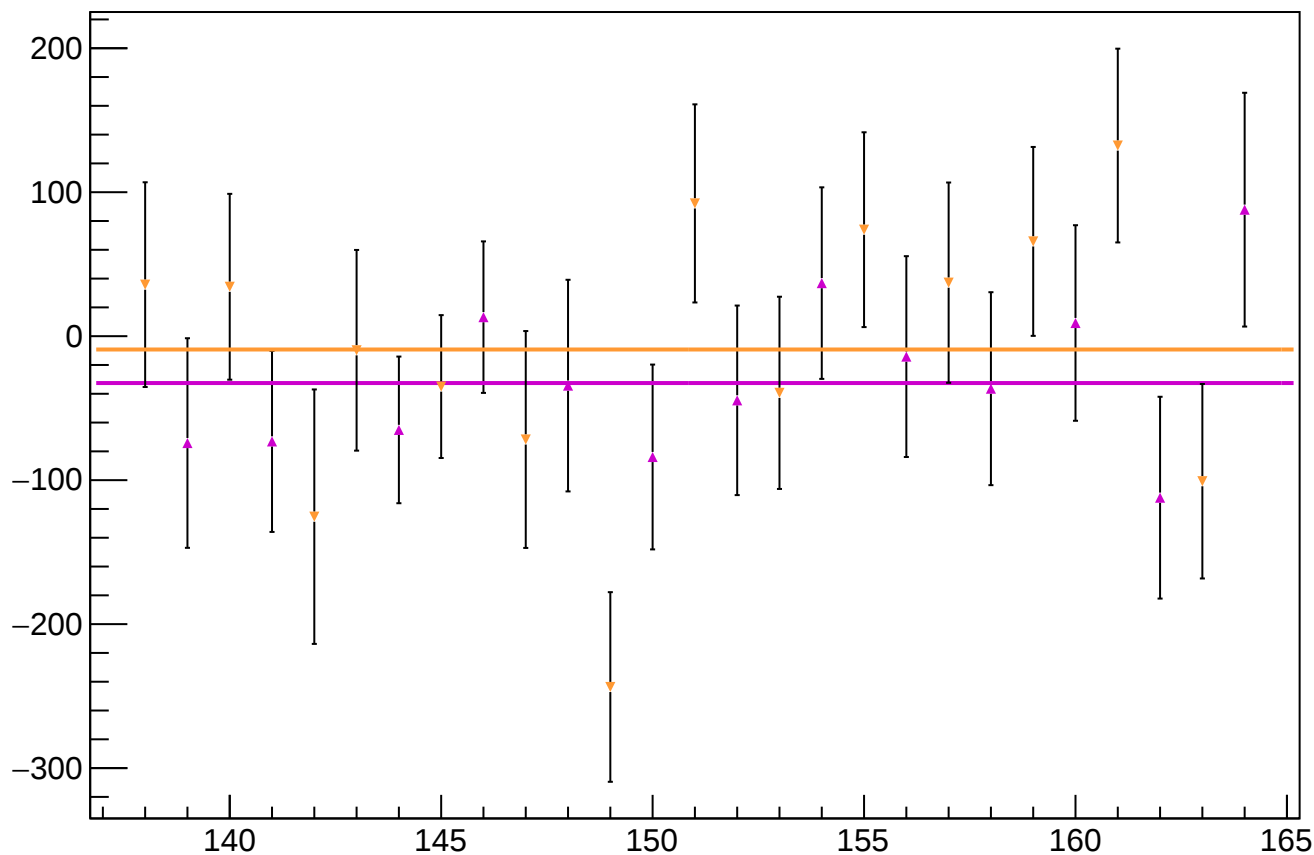
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 371.104+/-0.082 χ^2/NDF :243177.1/12

Out: 368.423+/-0.081 χ^2/NDF :393312.3/13

All: 369.743+/-0.058 χ^2/NDF : 637026.6/26

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: -9.249+/-17.909 χ^2/NDF : 28.1/13

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

Left In: -32.549+/-18.039 χ^2/NDF : 7.6/12

Left: -20.815+/-12.709 χ^2/NDF : 36.6/26

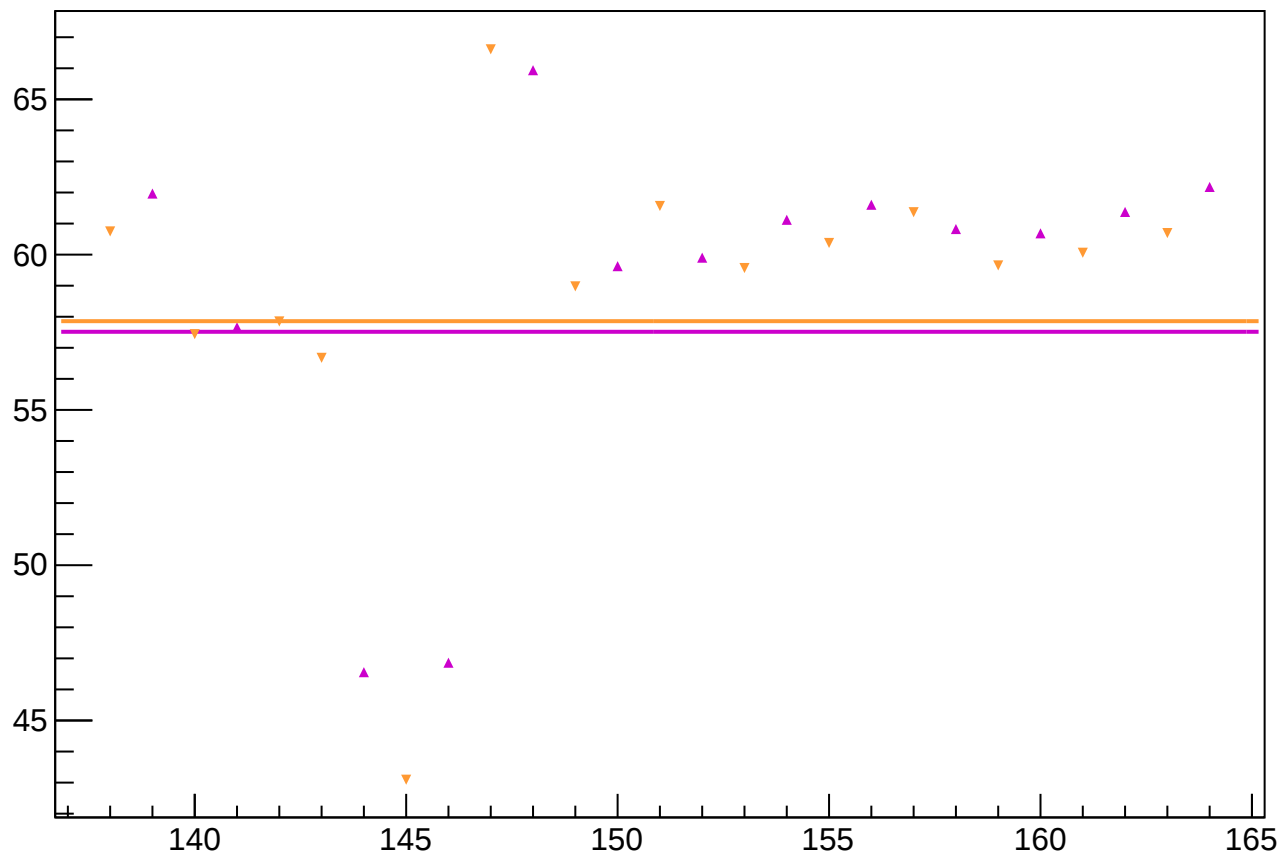
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.549+/-18.039 χ^2/NDF : 7.6/12

Out: -9.249+/-17.909 χ^2/NDF : 28.1/13

All: -20.815+/-12.709 χ^2/NDF : 36.6/26

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 57.857+/-0.013 χ^2/NDF :230778.8/13

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

Left In: 57.516+/-0.013 χ^2/NDF :247828.0/12

Left: 57.688+/-0.009 χ^2/NDF : 478968.3/26

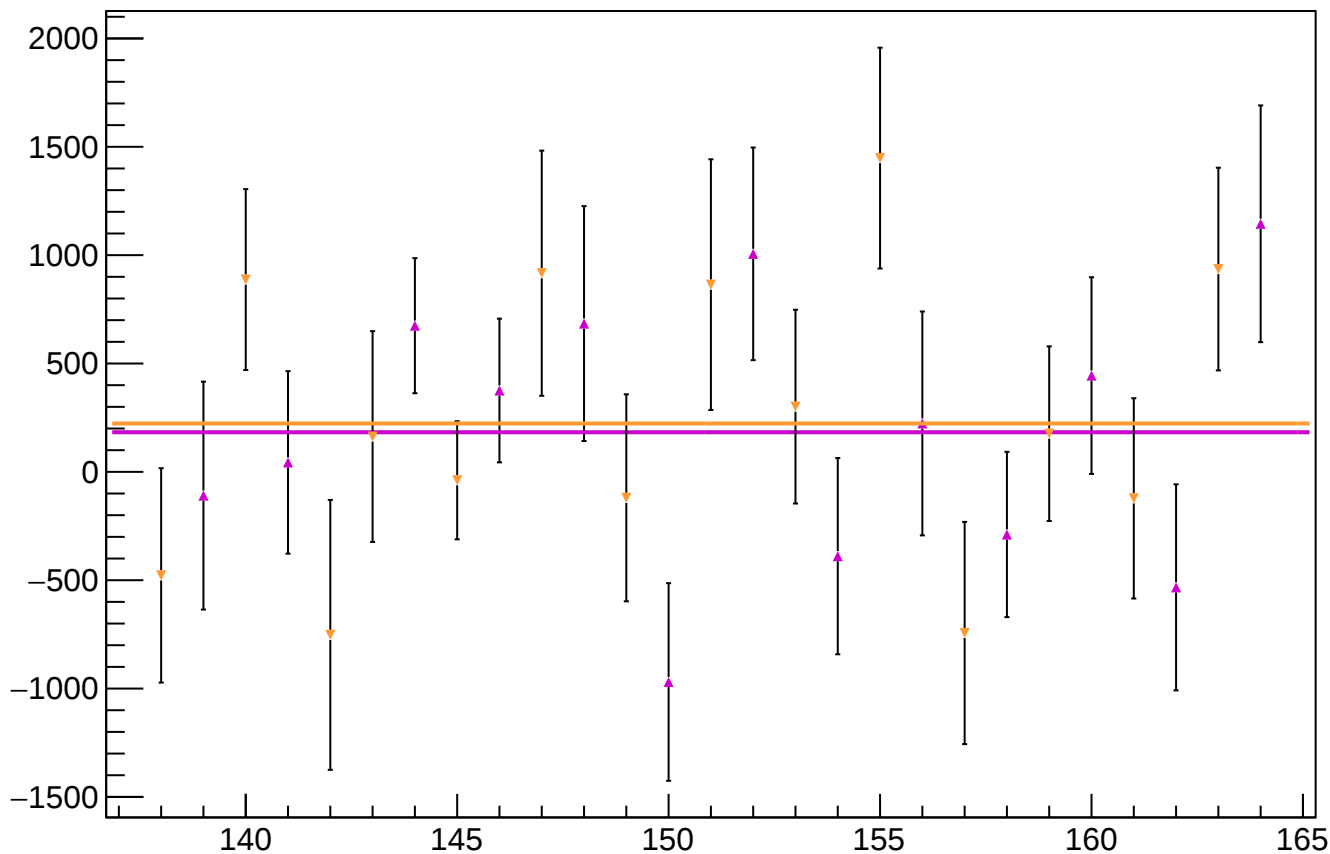
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 57.516+/-0.013 χ^2/NDF :247828.0/12

Out: 57.857+/-0.013 χ^2/NDF :230778.8/13

All: 57.688+/-0.009 χ^2/NDF : 478968.3/26

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: 223.283+/-120.676 χ^2/NDF : 23.4/13

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

Left In: 182.786+/-120.268 χ^2/NDF : 22.1/12

Left: 202.966+/-85.186 χ^2/NDF : 45.6/26

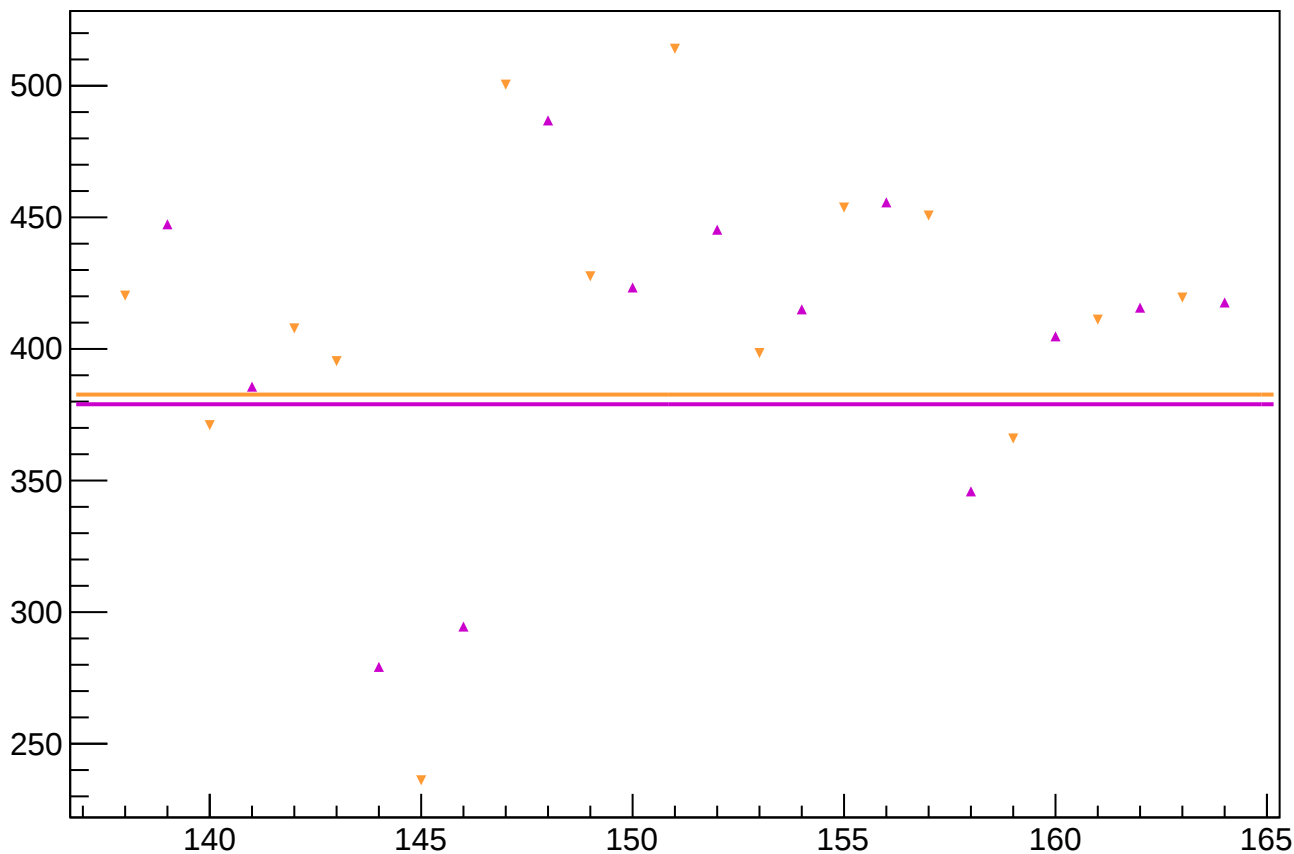
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 182.786+/-120.268 χ^2/NDF : 22.1/12

Out: 223.283+/-120.676 χ^2/NDF : 23.4/13

All: 202.966+/-85.186 χ^2/NDF : 45.6/26

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 382.667 $\pm$ 0.085 χ^2/NDF : 903789.8/13

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

Left In: 378.985 $\pm$ 0.085 χ^2/NDF : 603900.4/12

Left: 380.820 $\pm$ 0.060 χ^2/NDF : 1508624.3/26

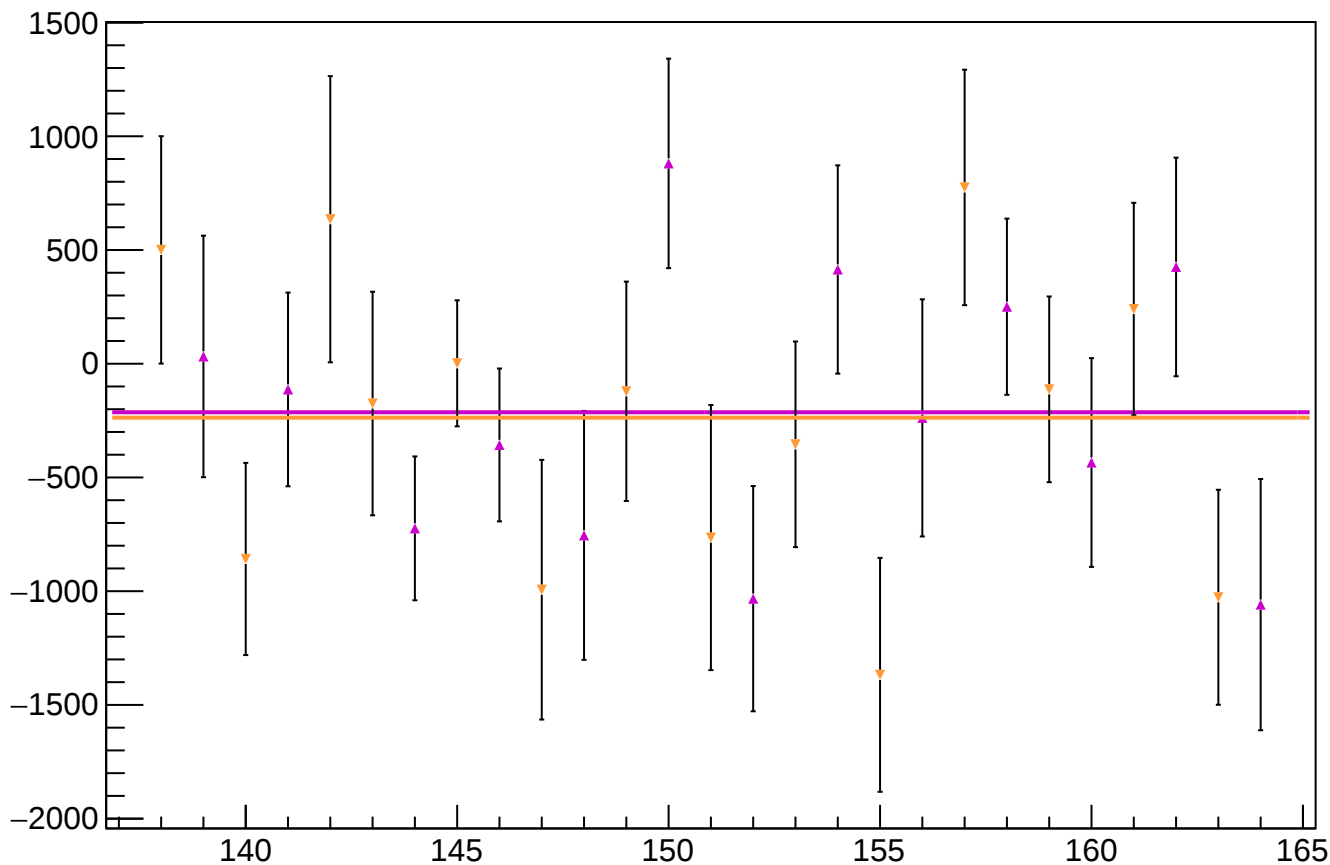
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 378.985 $\pm$ 0.085 χ^2/NDF : 603900.4/12

Out: 382.667 $\pm$ 0.085 χ^2/NDF : 903789.8/13

All: 380.820 $\pm$ 0.060 χ^2/NDF : 1508624.3/26

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -237.153+/-122.091 χ^2/NDF :22.3/13

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

Left In: -213.391+/-121.690 χ^2/NDF :20.1/12

Left: -225.233+/-86.189 χ^2/NDF : 42.4/26

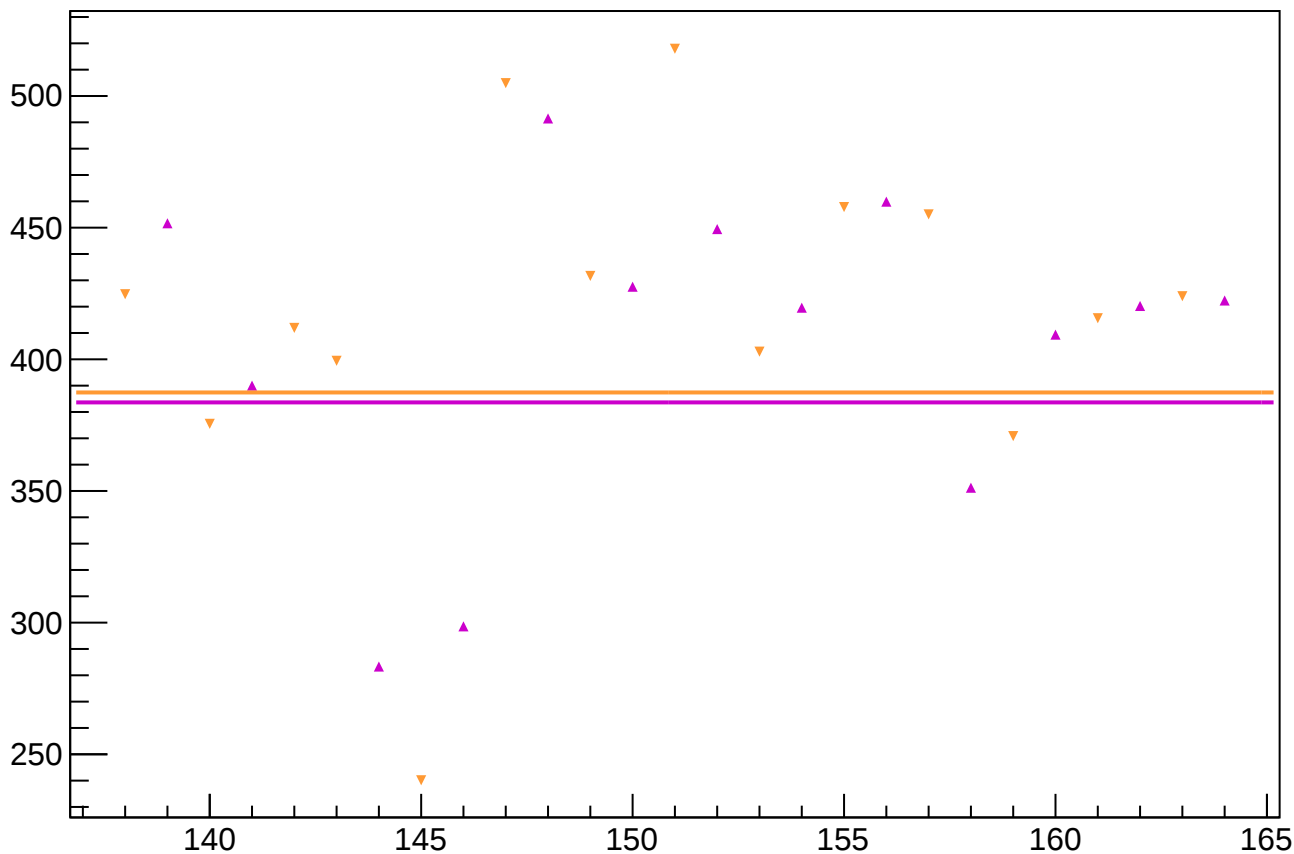
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -213.391+/-121.690 χ^2/NDF :20.1/12

Out: -237.153+/-122.091 χ^2/NDF :22.3/13

All: -225.233+/-86.189 χ^2/NDF : 42.4/26

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 387.414+/-0.086 χ^2/NDF : 880414.1/13

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

Left In: 383.637+/-0.086 χ^2/NDF : 590735.8/12

Left: 385.519+/-0.061 χ^2/NDF : 1472110.1/26

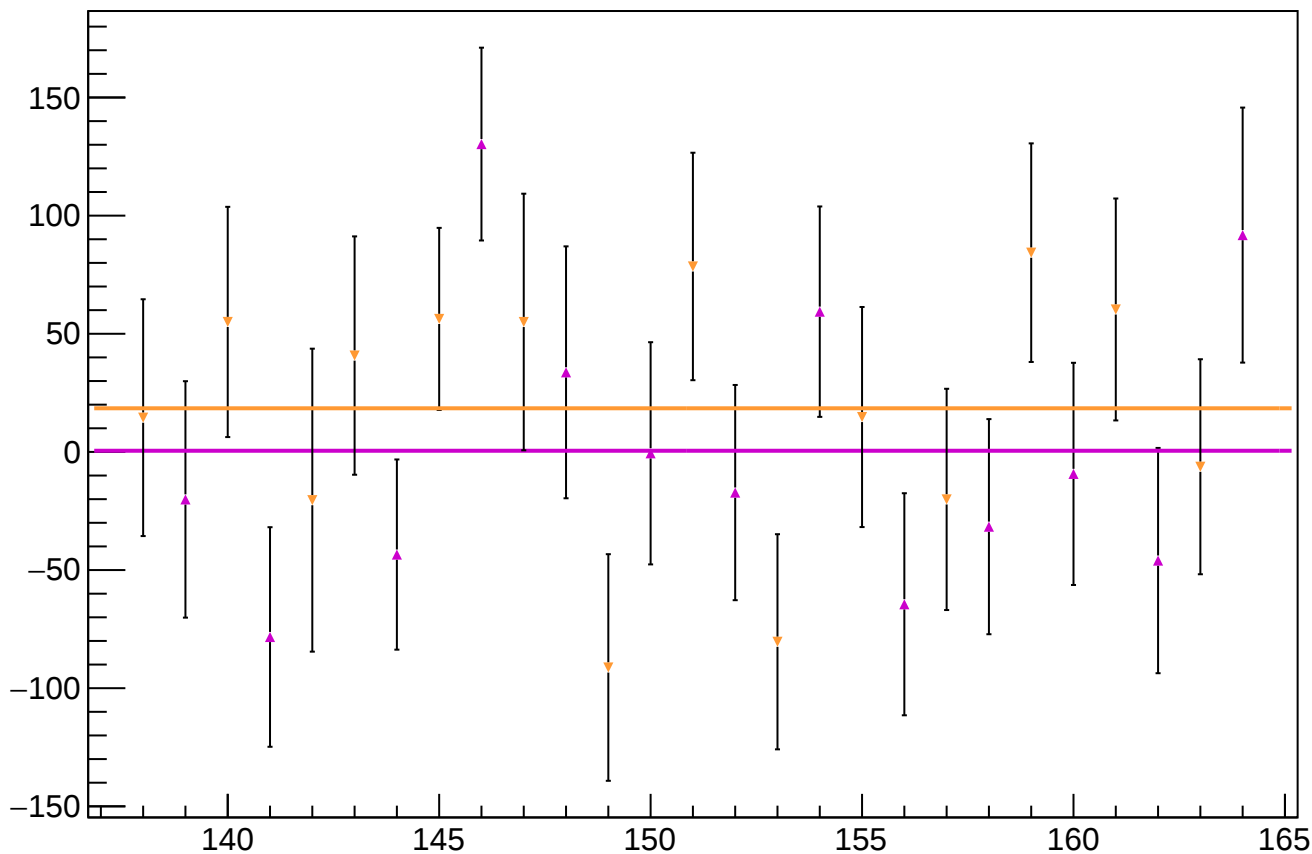
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 383.637+/-0.086 χ^2/NDF : 590735.8/12

Out: 387.414+/-0.086 χ^2/NDF : 880414.1/13

All: 385.519+/-0.061 χ^2/NDF : 1472110.1/26

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 18.463 $\pm$ 12.764 χ^2 /NDF:17.8/13

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

Left In: 0.492 $\pm$ 12.865 χ^2 /NDF:22.9/12

Left: 9.548 $\pm$ 9.061 χ^2 /NDF: 41.7/26

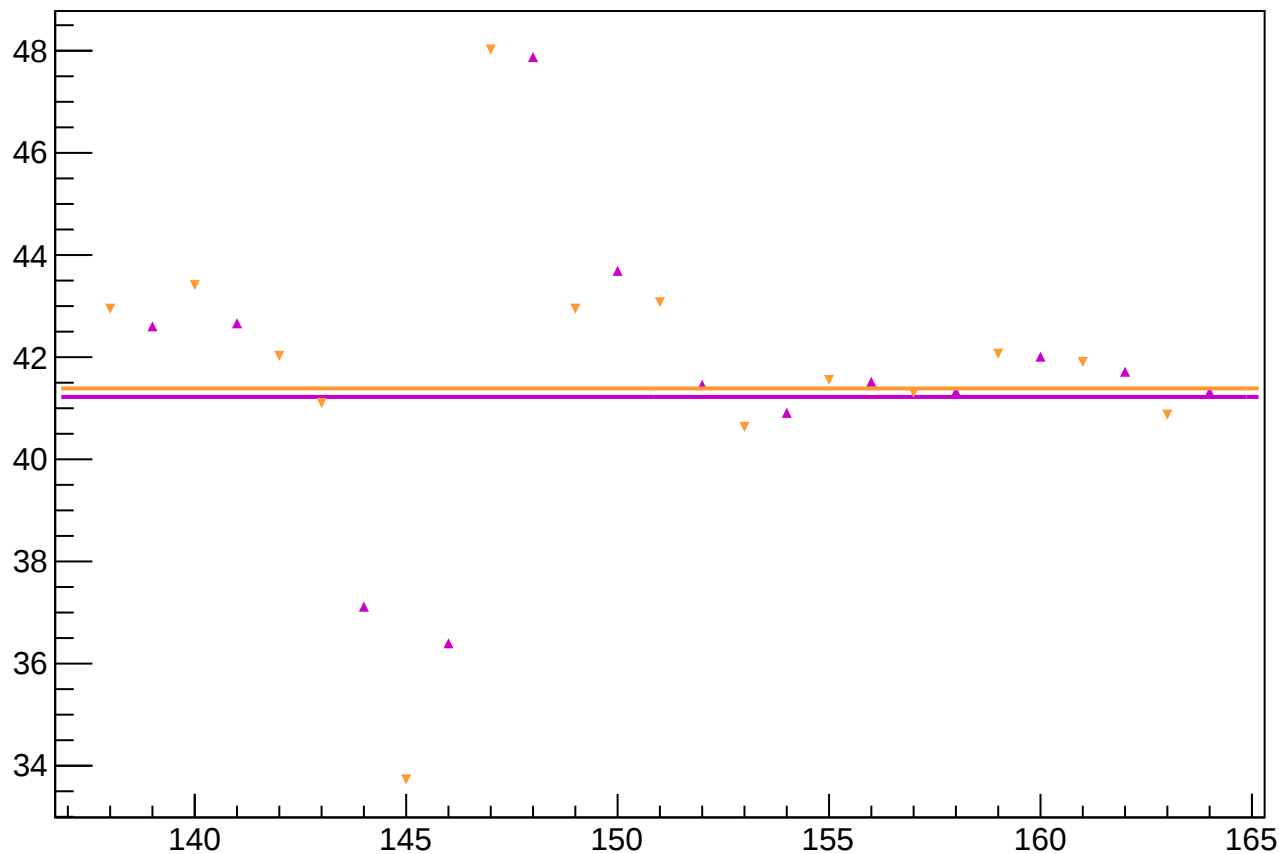
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.492 $\pm$ 12.865 χ^2 /NDF:22.9/12

Out: 18.463 $\pm$ 12.764 χ^2 /NDF:17.8/13

All: 9.548 $\pm$ 9.061 χ^2 /NDF: 41.7/26

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: 41.387+/-0.009 χ^2 /NDF:120506.8/13

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

Left In: 41.221+/-0.009 χ^2 /NDF:89943.5/12

Left: 41.305+/-0.006 χ^2 /NDF: 210619.4/26

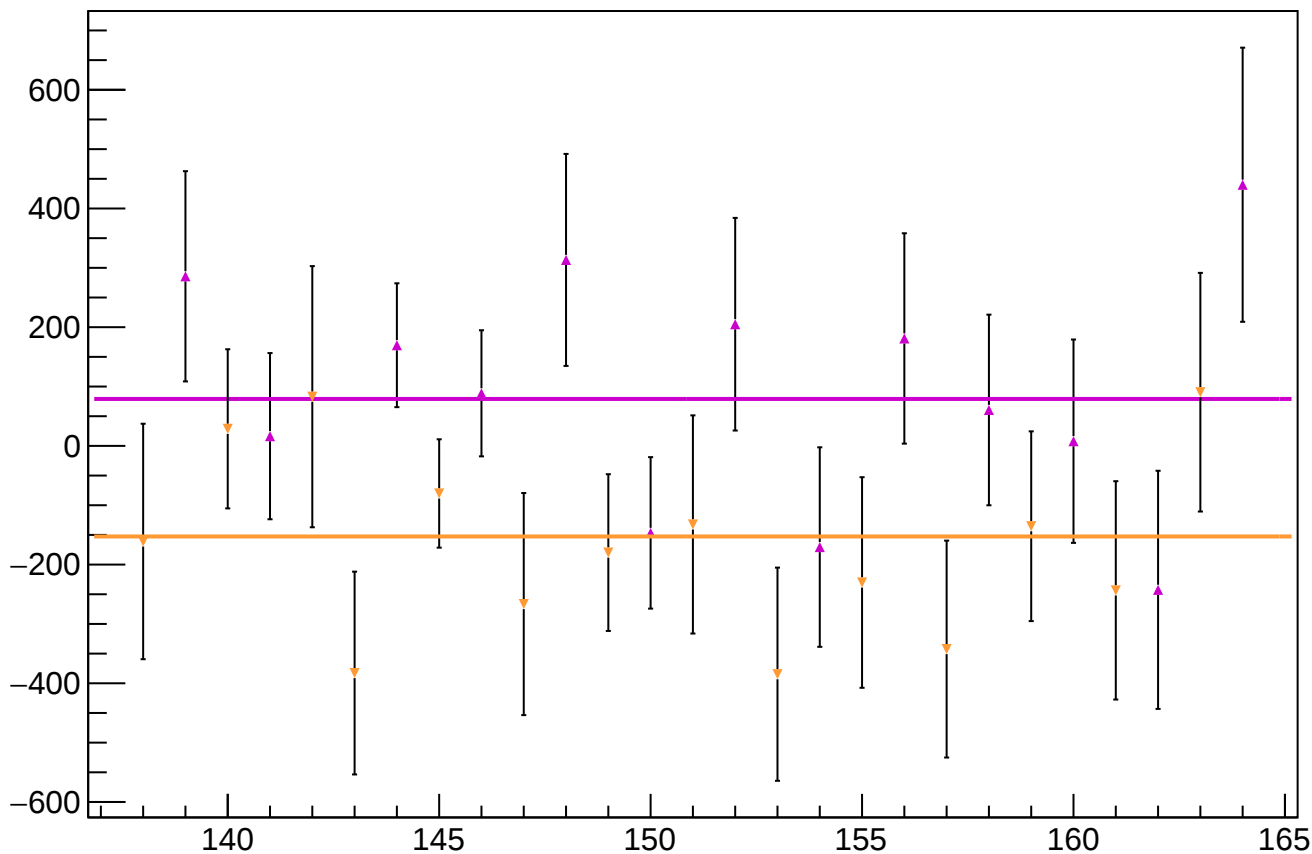
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 41.221+/-0.009 χ^2 /NDF:89943.5/12

Out: 41.387+/-0.009 χ^2 /NDF:120506.8/13

All: 41.305+/-0.006 χ^2 /NDF: 210619.4/26

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -152.625+/-42.350 χ^2/NDF :10.5/13

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

Left In: 79.090+/-41.853 χ^2/NDF :15.4/12

Left: -35.398+/-29.769 χ^2/NDF : 41.0/26

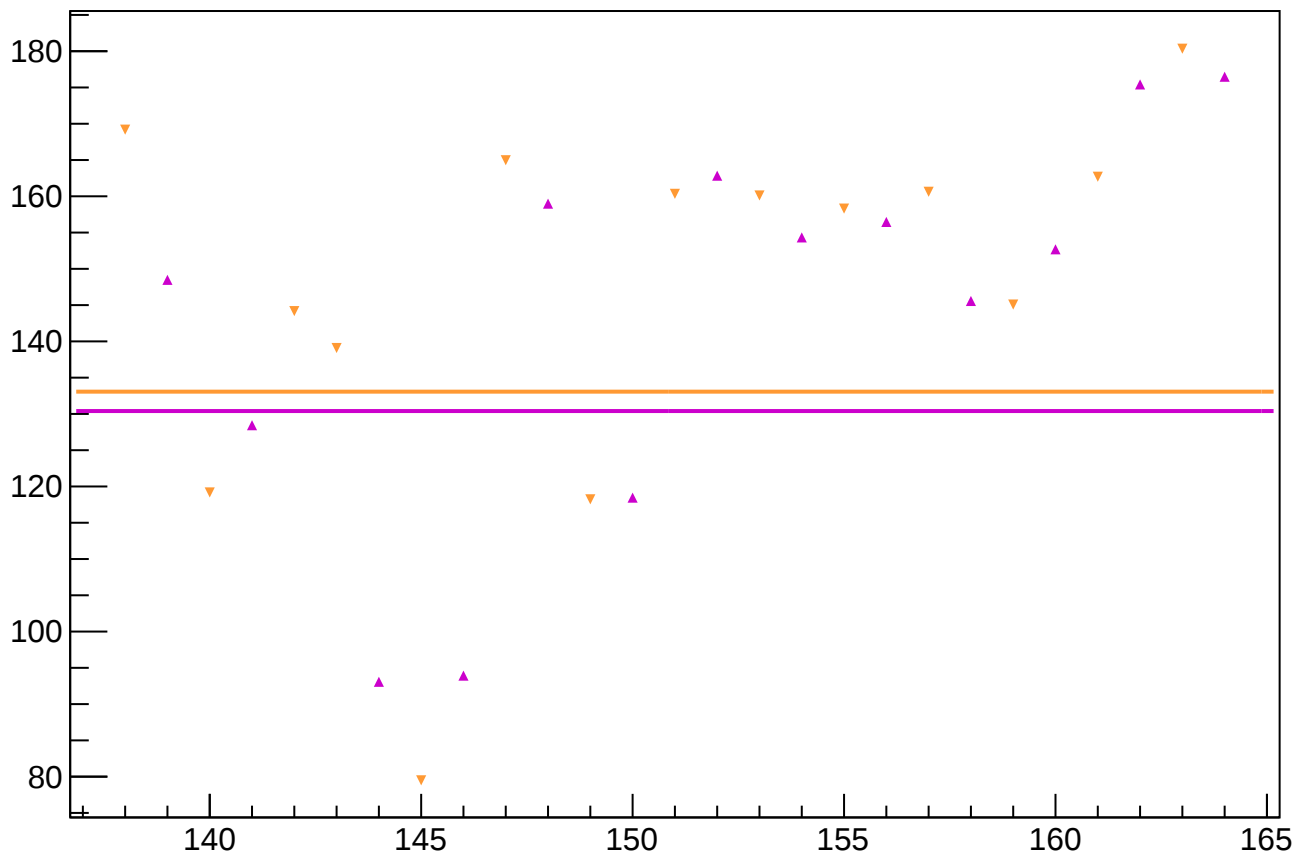
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 79.090+/-41.853 χ^2/NDF :15.4/12

Out: -152.625+/-42.350 χ^2/NDF :10.5/13

All: -35.398+/-29.769 χ^2/NDF : 41.0/26

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: 133.071+/-0.030 χ^2/NDF :1216478.7/13

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

Left In: 130.397+/-0.030 χ^2/NDF :963031.0/12

Left: 131.718+/-0.021 χ^2/NDF : 2183540.9/26

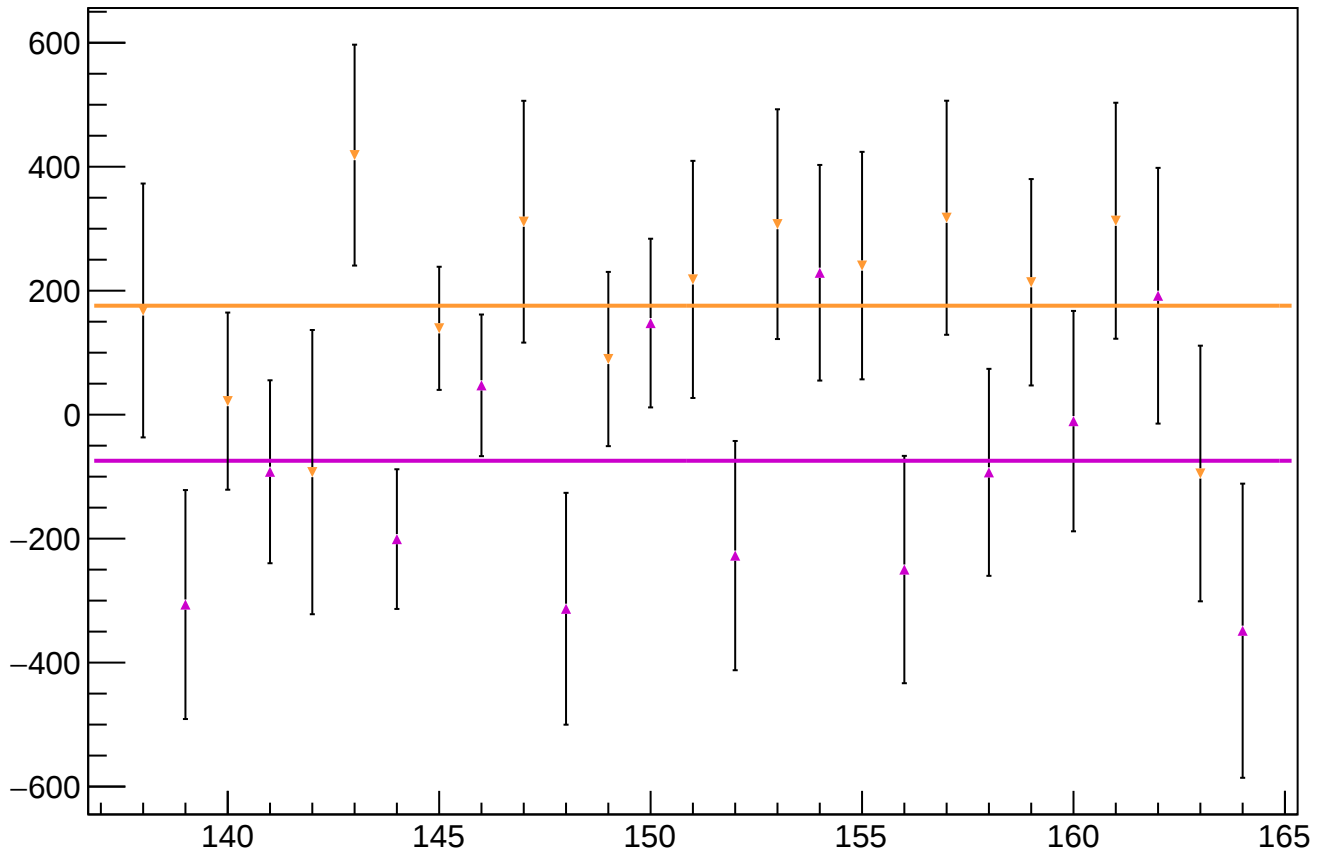
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 130.397+/-0.030 χ^2/NDF :963031.0/12

Out: 133.071+/-0.030 χ^2/NDF :1216478.7/13

All: 131.718+/-0.021 χ^2/NDF : 2183540.9/26

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 175.780+/-44.589 χ^2/NDF :8.9/13

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

Left In: -74.377+/-44.107 χ^2/NDF :16.1/12

Left: 49.344+/-31.357 χ^2/NDF : 40.9/26

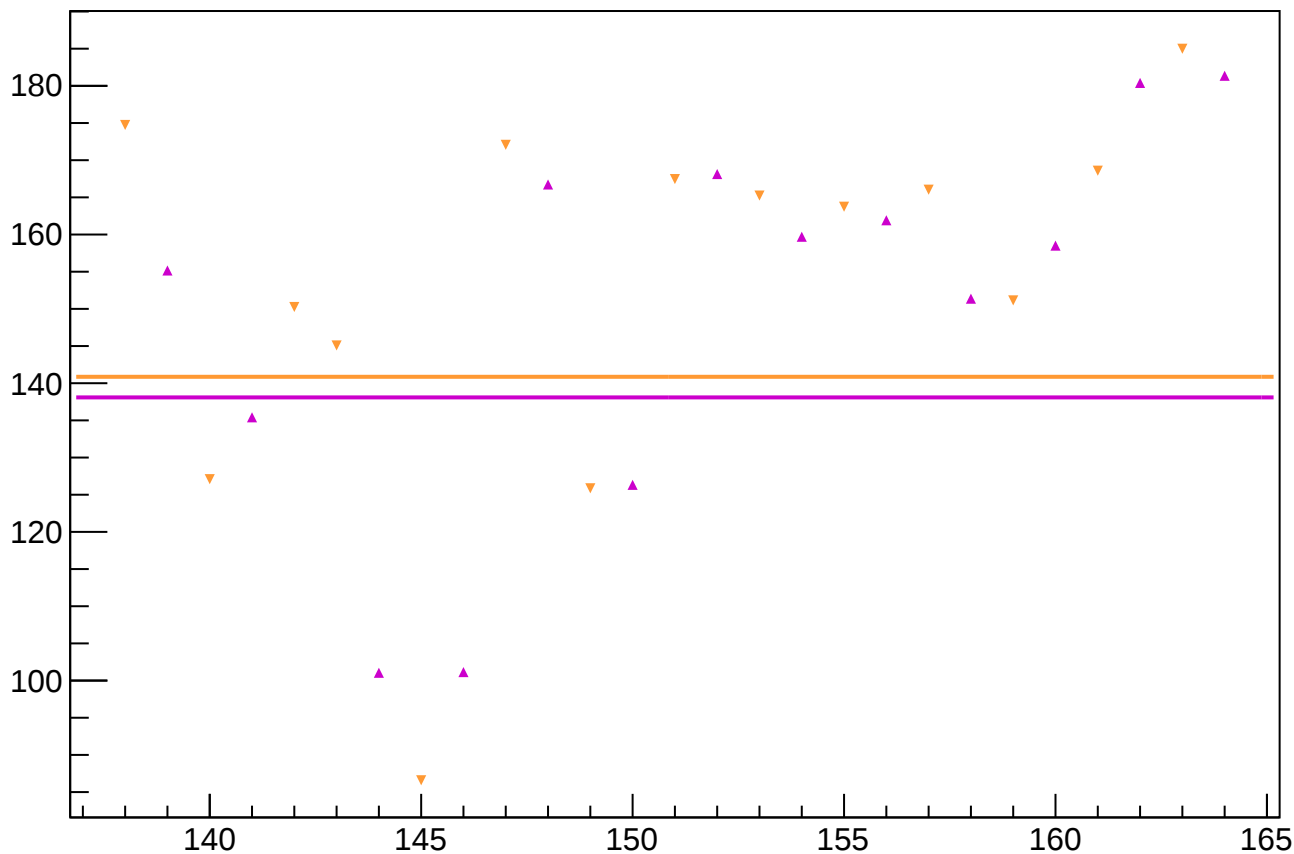
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.377+/-44.107 χ^2/NDF :16.1/12

Out: 175.780+/-44.589 χ^2/NDF :8.9/13

All: 49.344+/-31.357 χ^2/NDF : 40.9/26

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 140.863+/-0.032 χ^2/NDF :1030462.7/13

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

Left In: 138.091+/-0.031 χ^2/NDF :812035.3/12

Left: 139.462+/-0.022 χ^2/NDF : 1846407.1/26

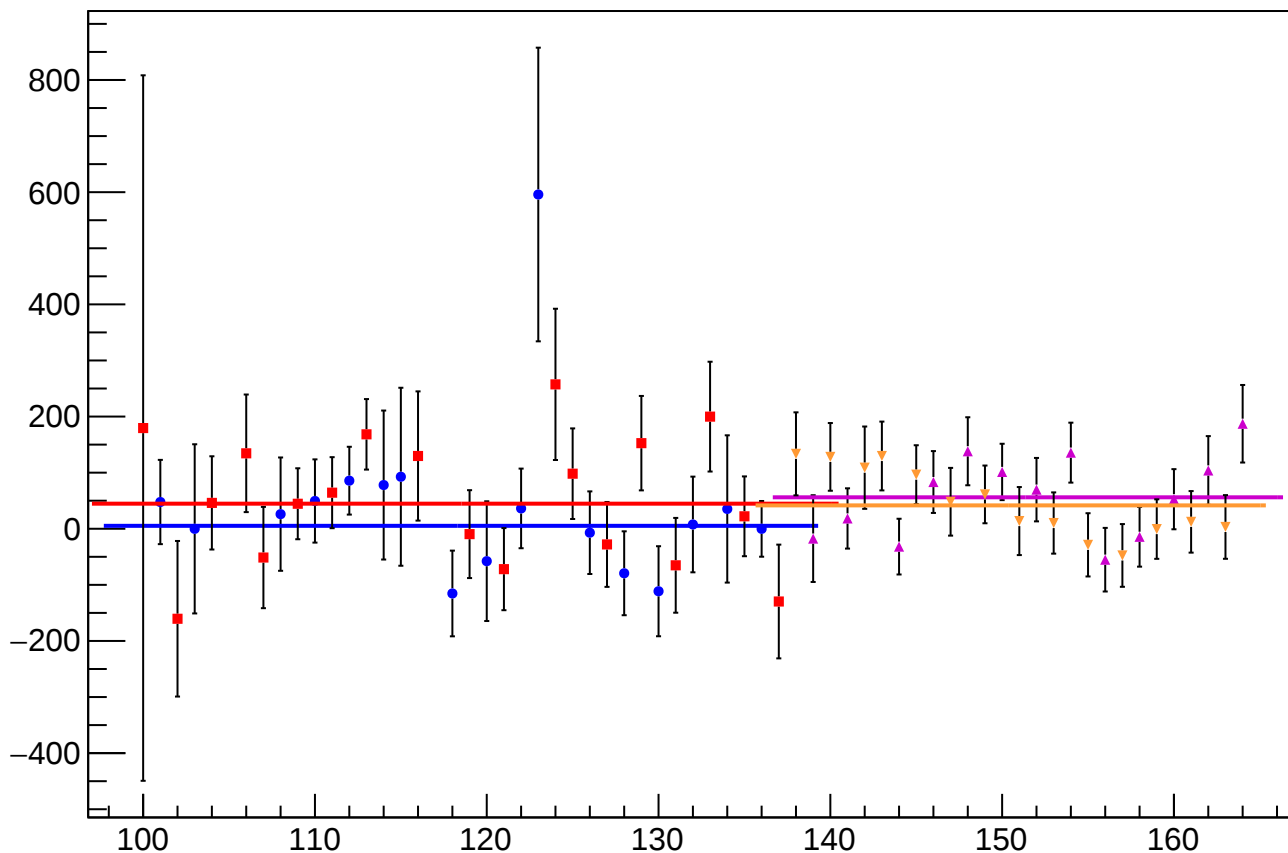
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 138.091+/-0.031 χ^2/NDF :812035.3/12

Out: 140.863+/-0.032 χ^2/NDF :1030462.7/13

All: 139.462+/-0.022 χ^2/NDF : 1846407.1/26

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 41.666 ± 15.495 χ^2/NDF : 13.8/13

Right Out: 44.715 ± 19.410 χ^2/NDF : 24.4/18

Left In: 56.050 ± 15.680 χ^2/NDF : 19.5/12

Left: 48.773 ± 11.022 χ^2/NDF : 33.7/26

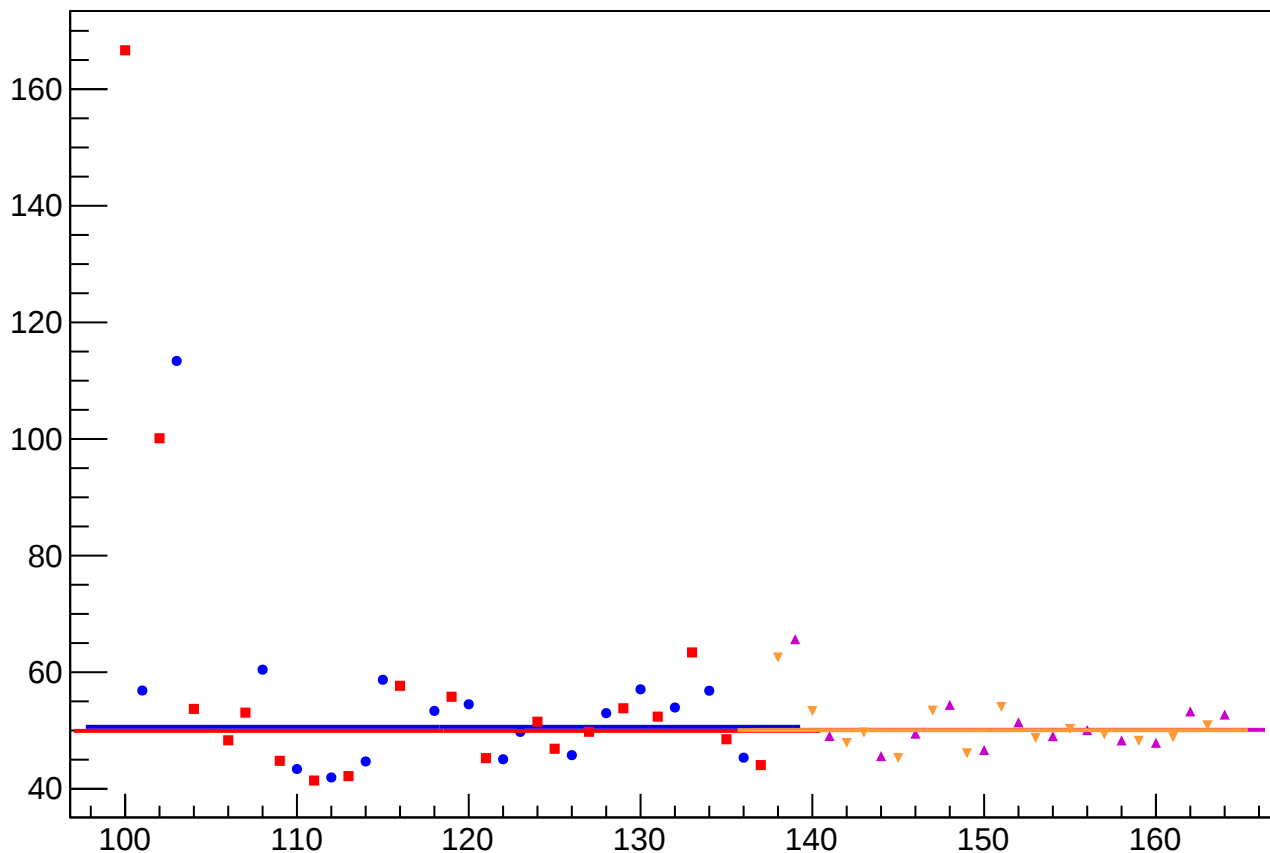
Right: 25.706 ± 13.979 χ^2/NDF : 41.1/35

In: 36.879 ± 12.375 χ^2/NDF : 38.2/29

Out: 42.853 ± 12.110 χ^2/NDF : 38.2/32

All: 39.931 ± 8.655 χ^2/NDF : 76.5/62

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: 50.060 $\pm$ 0.011 χ^2 /NDF: 113108.0/13

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

Left In: 50.118 $\pm$ 0.011 χ^2 /NDF: 133628.3/12

Left: 50.089 $\pm$ 0.008 χ^2 /NDF: 246750.3/26

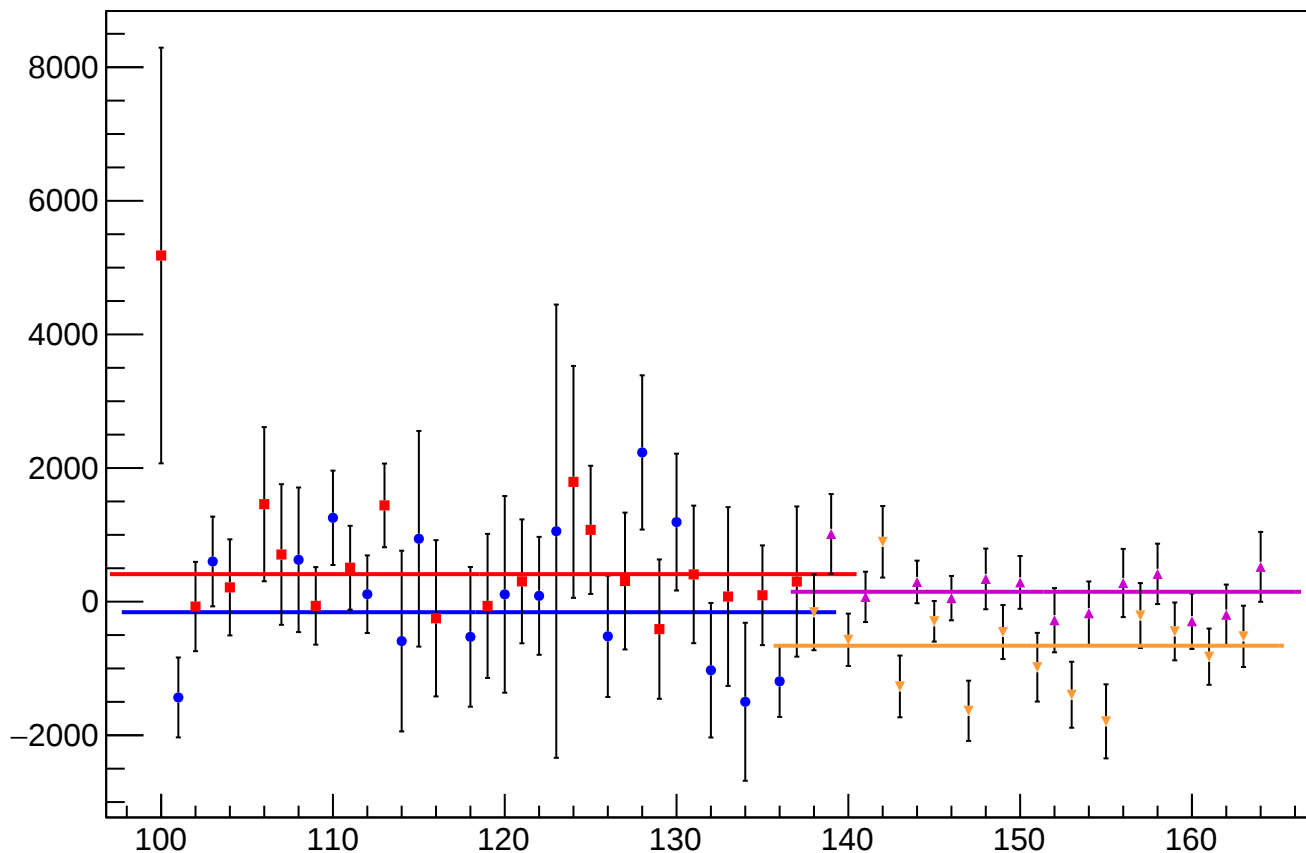
Right: 50.276 $\pm$ 0.010 χ^2 /NDF: 1021399.4/35

In: 50.313 $\pm$ 0.009 χ^2 /NDF: 654133.3/29

Out: 50.014 $\pm$ 0.009 χ^2 /NDF: 613641.5/32

All: 50.161 $\pm$ 0.006 χ^2 /NDF: 1268370.2/62

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -659.633+/-118.884 χ^2/NDF :25.5/13

Right Out: 411.611+/-203.633 χ^2/NDF : 9.8/18

Left In: 147.604+/-117.973 χ^2/NDF :6.6/12

Left: -252.909+/-83.740 χ^2/NDF : 55.4/26

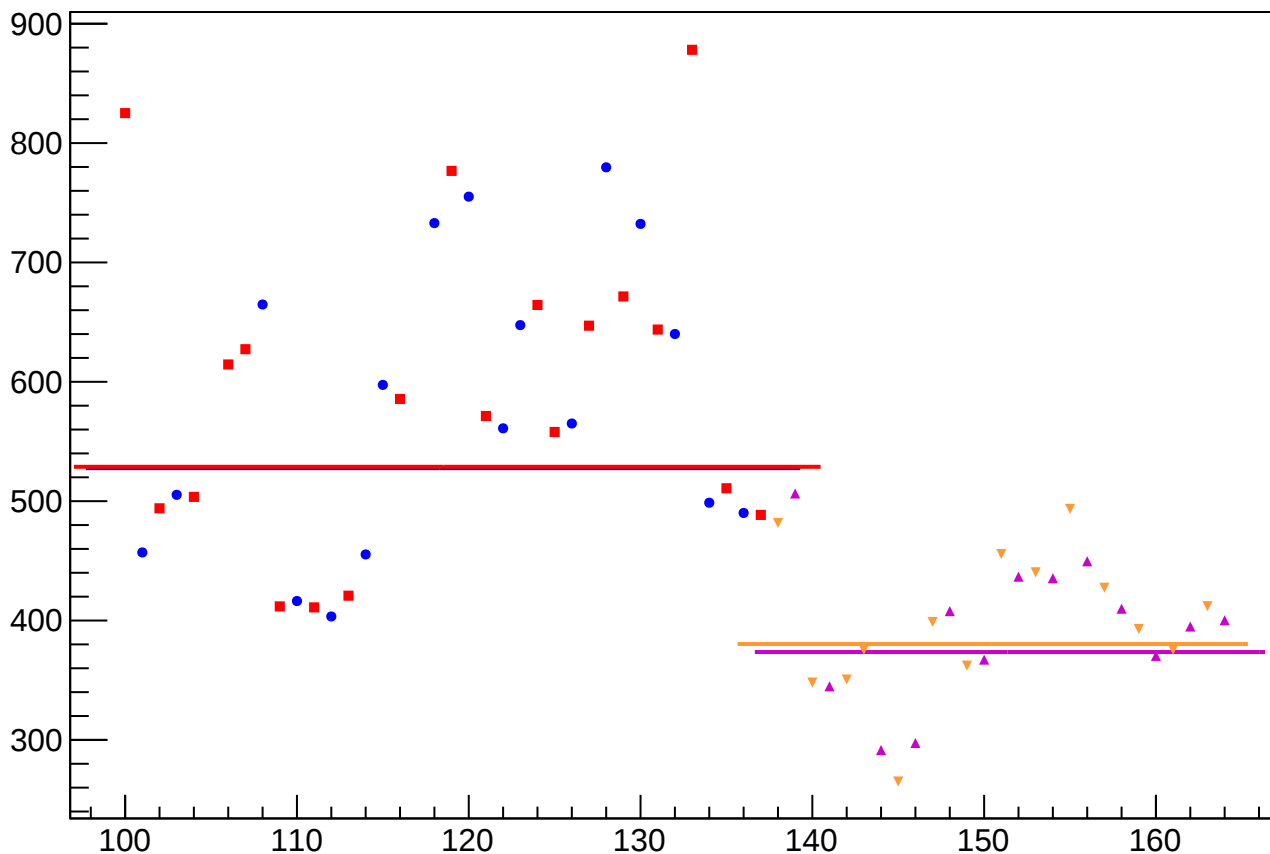
Right: 135.816+/-146.251 χ^2/NDF : 37.0/35

In: 74.390+/-102.875 χ^2/NDF :31.7/29

Out: -387.325+/-102.668 χ^2/NDF :55.9/32

All: -156.933+/-72.670 χ^2/NDF : 97.7/62

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 380.326+/-0.084 χ^2/NDF : 564904.1/13

Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

Left In: 373.608+/-0.083 χ^2/NDF : 495963.6/12

Left: 376.941+/-0.059 χ^2/NDF : 1064084.8/26

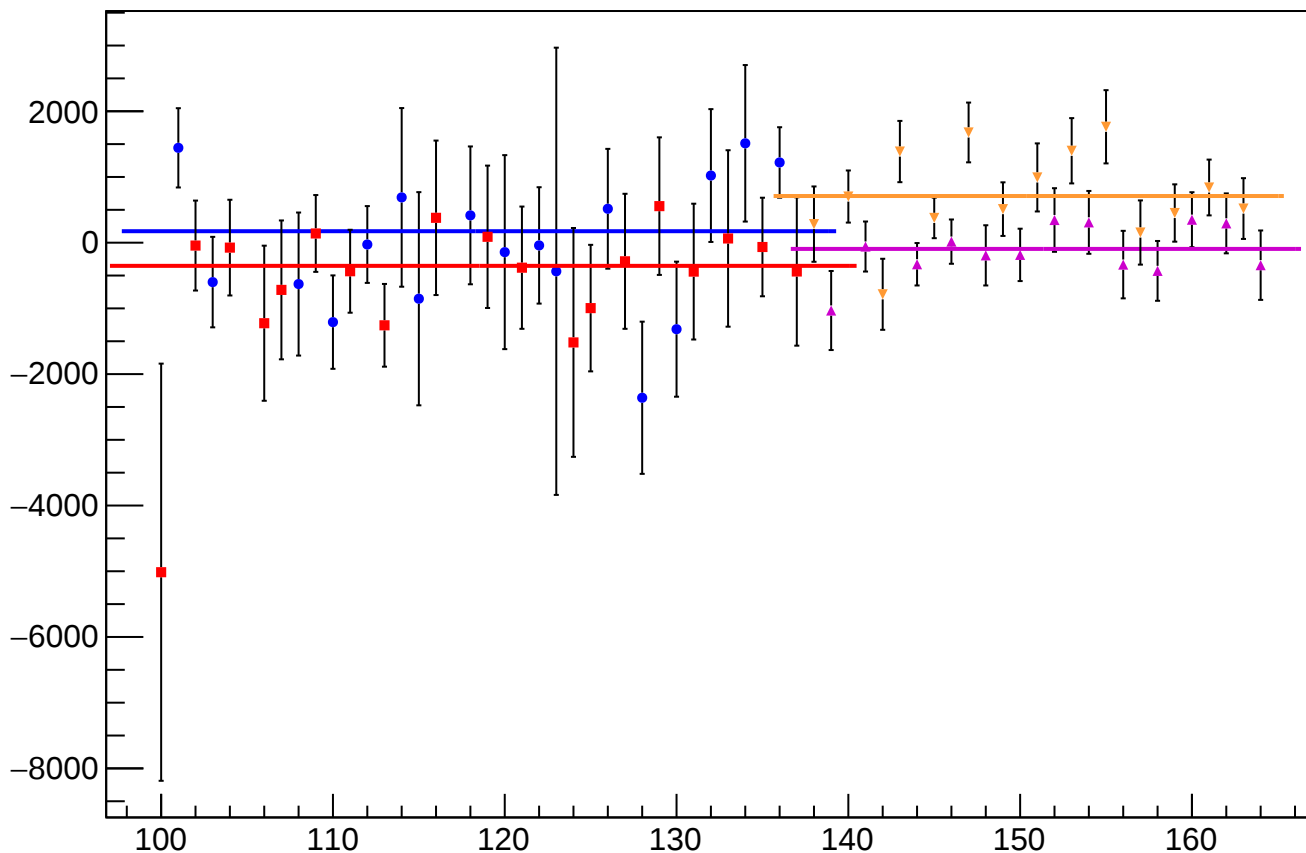
Right: 528.253+/-0.103 χ^2/NDF : 1180818.7/35

In: 410.515+/-0.073 χ^2/NDF : 1870446.0/29

Out: 418.069+/-0.073 χ^2/NDF : 1981312.1/32

All: 414.300+/-0.051 χ^2/NDF : 3857160.3/62

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 710.097 $\pm$ 119.999 χ^2 /NDF:23.9/13

Right Out: -352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

Left In: -94.782 $\pm$ 119.103 χ^2 /NDF:7.5/12

Left: 304.644 $\pm$ 84.534 χ^2 /NDF: 54.1/26

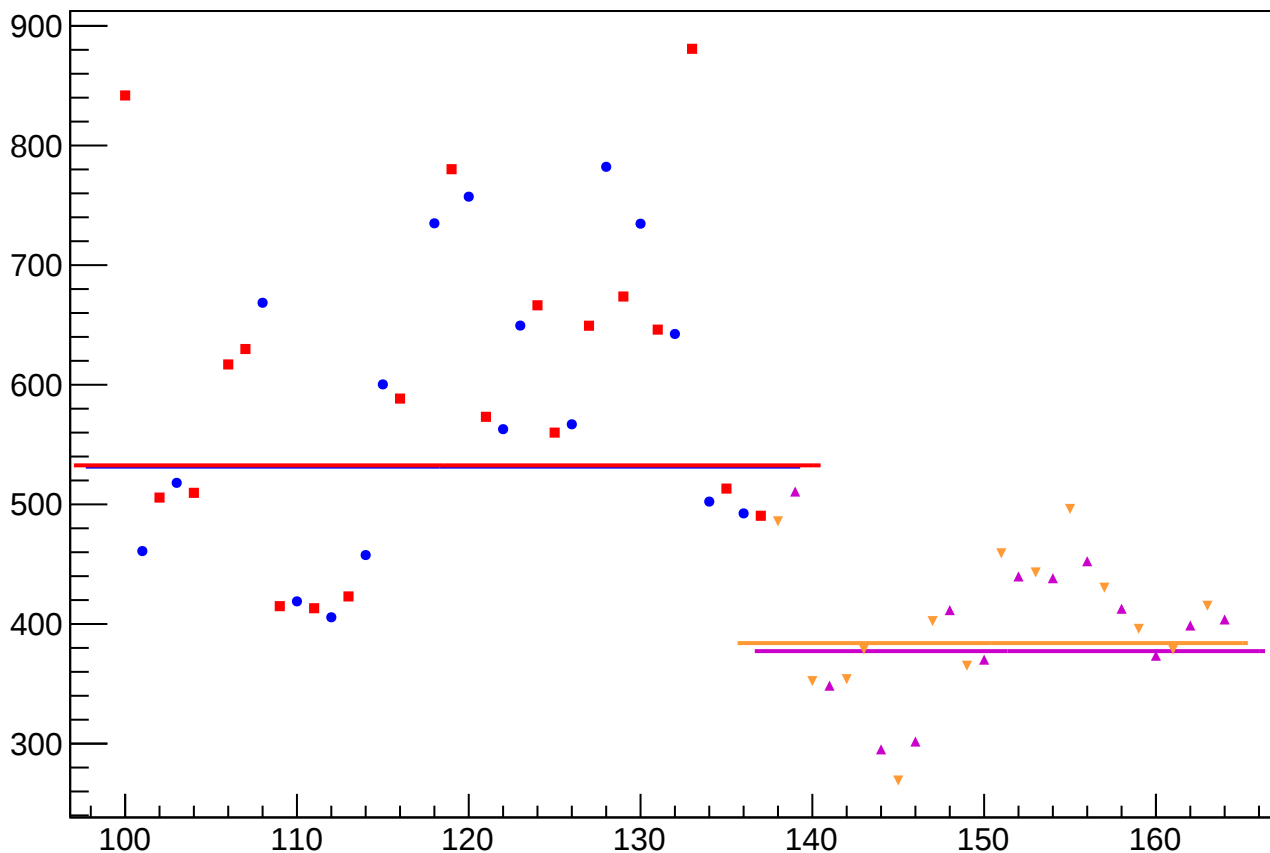
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: -29.998 $\pm$ 103.798 χ^2 /NDF:32.5/29

Out: 439.303 $\pm$ 103.587 χ^2 /NDF:52.4/32

All: 205.131 $\pm$ 73.322 χ^2 /NDF: 95.1/62

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 384.058 $\pm$ 0.085 χ^2 /NDF: 547335.7/13

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

Left In: 377.338 $\pm$ 0.084 χ^2 /NDF: 481988.3/12

Left: 380.673 $\pm$ 0.060 χ^2 /NDF: 1032483.4/26

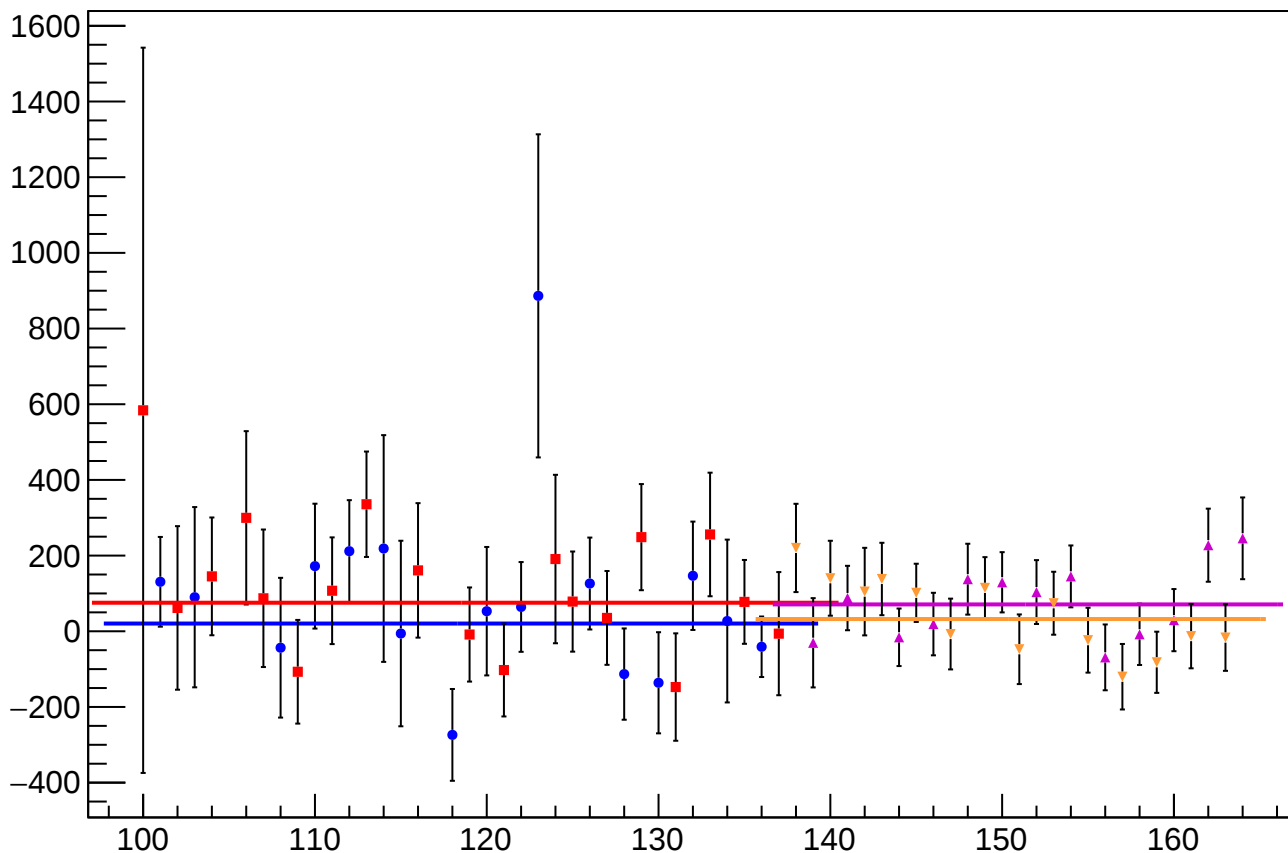
Right: 532.104 $\pm$ 0.104 χ^2 /NDF: 1165860.0/35

In: 414.425 $\pm$ 0.073 χ^2 /NDF: 1838450.7/29

Out: 421.915 $\pm$ 0.073 χ^2 /NDF: 1944236.7/32

All: 418.178 $\pm$ 0.052 χ^2 /NDF: 3787904.9/62

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 32.355 $\pm$ 23.926 χ^2 /NDF:14.5/13

Right Out: 75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

Left In: 70.983 $\pm$ 24.137 χ^2 /NDF:13.5/12

Left: 51.500 $\pm$ 16.992 χ^2 /NDF: 29.4/26

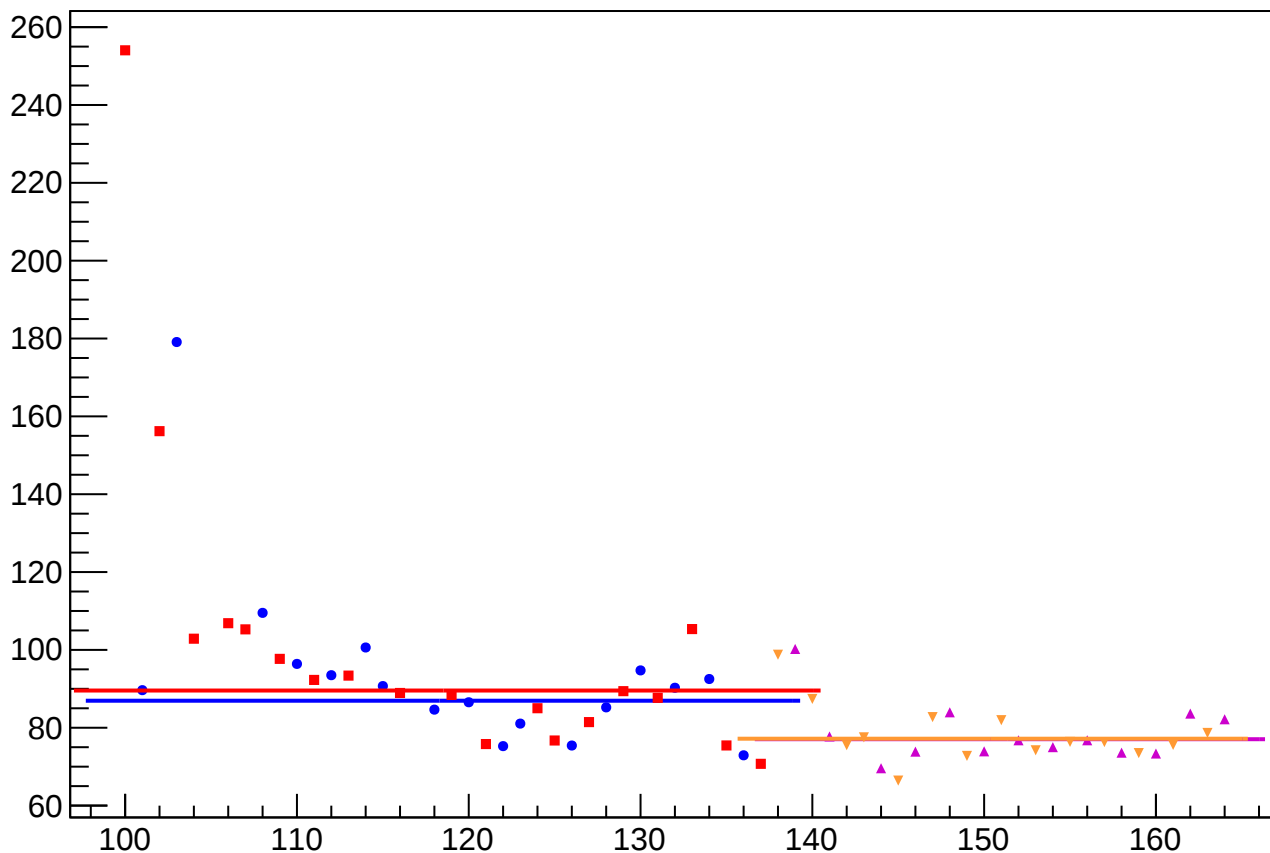
Right: 47.856 $\pm$ 24.495 χ^2 /NDF: 35.9/35

In: 54.427 $\pm$ 19.793 χ^2 /NDF:34.2/29

Out: 46.244 $\pm$ 19.697 χ^2 /NDF:31.0/32

All: 50.316 $\pm$ 13.962 χ^2 /NDF: 65.3/62

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: 77.183 $\pm$ 0.017 χ^2 /NDF:156027.8/13

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

Left In: 77.054 $\pm$ 0.017 χ^2 /NDF:136339.7/12

Left: 77.119 $\pm$ 0.012 χ^2 /NDF: 292396.3/26

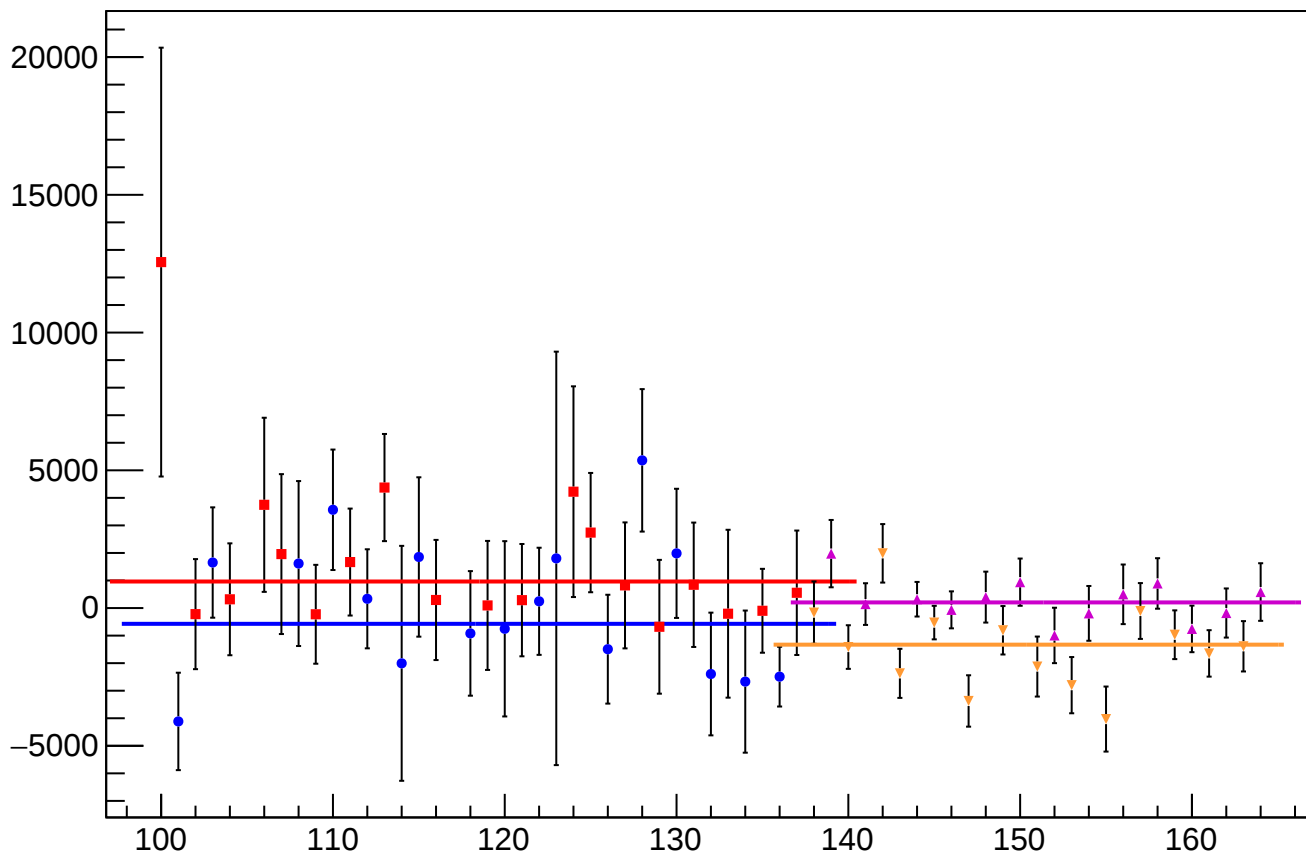
Right: 88.247 $\pm$ 0.017 χ^2 /NDF: 892752.0/35

In: 80.293 $\pm$ 0.014 χ^2 /NDF:702112.8/29

Out: 81.172 $\pm$ 0.014 χ^2 /NDF:759760.7/32

All: 80.734 $\pm$ 0.010 χ^2 /NDF: 1463853.6/62

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -1328.417+/-242.208 χ^2/NDF : 28.7/13

Right Out: 963.846+/-514.621 χ^2/NDF : 10.1/18

Left In: 204.646+/-240.290 χ^2/NDF : 6.9/12

Left: -555.791+/-170.585 χ^2/NDF : 55.8/26

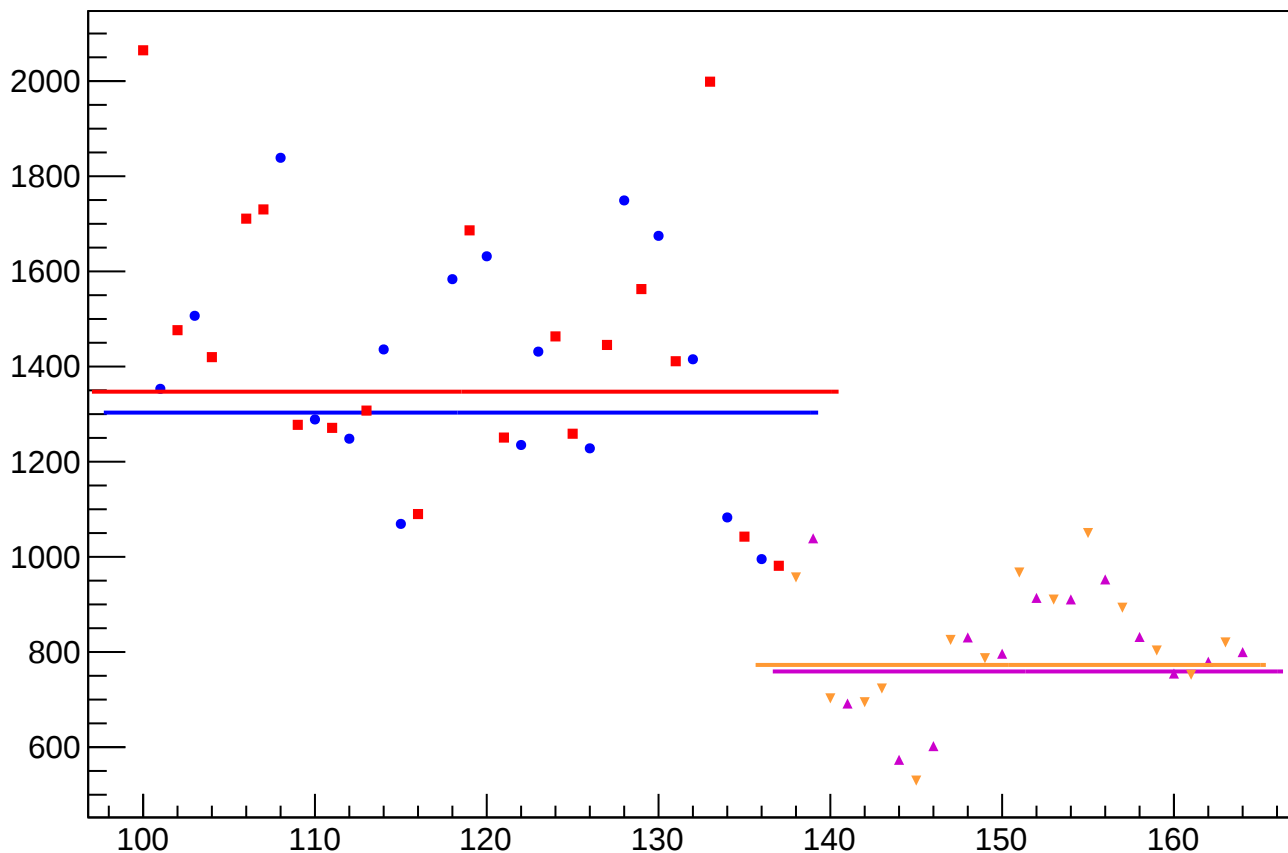
Right: 199.325+/-364.737 χ^2/NDF : 36.4/35

In: 66.628+/-217.906 χ^2/NDF : 30.6/29

Out: -912.728+/-219.149 χ^2/NDF : 55.0/32

All: -420.265+/-154.521 χ^2/NDF : 95.7/62

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 772.846 $\pm$ 0.171 χ^2 /NDF: 659128.5/13

Right Out: 1347.177 $\pm$ 0.364 χ^2 /NDF: 420774.0/18

Left In: 759.113 $\pm$ 0.170 χ^2 /NDF: 594950.7/12

Left: 765.925 $\pm$ 0.121 χ^2 /NDF: 1257319.4/26

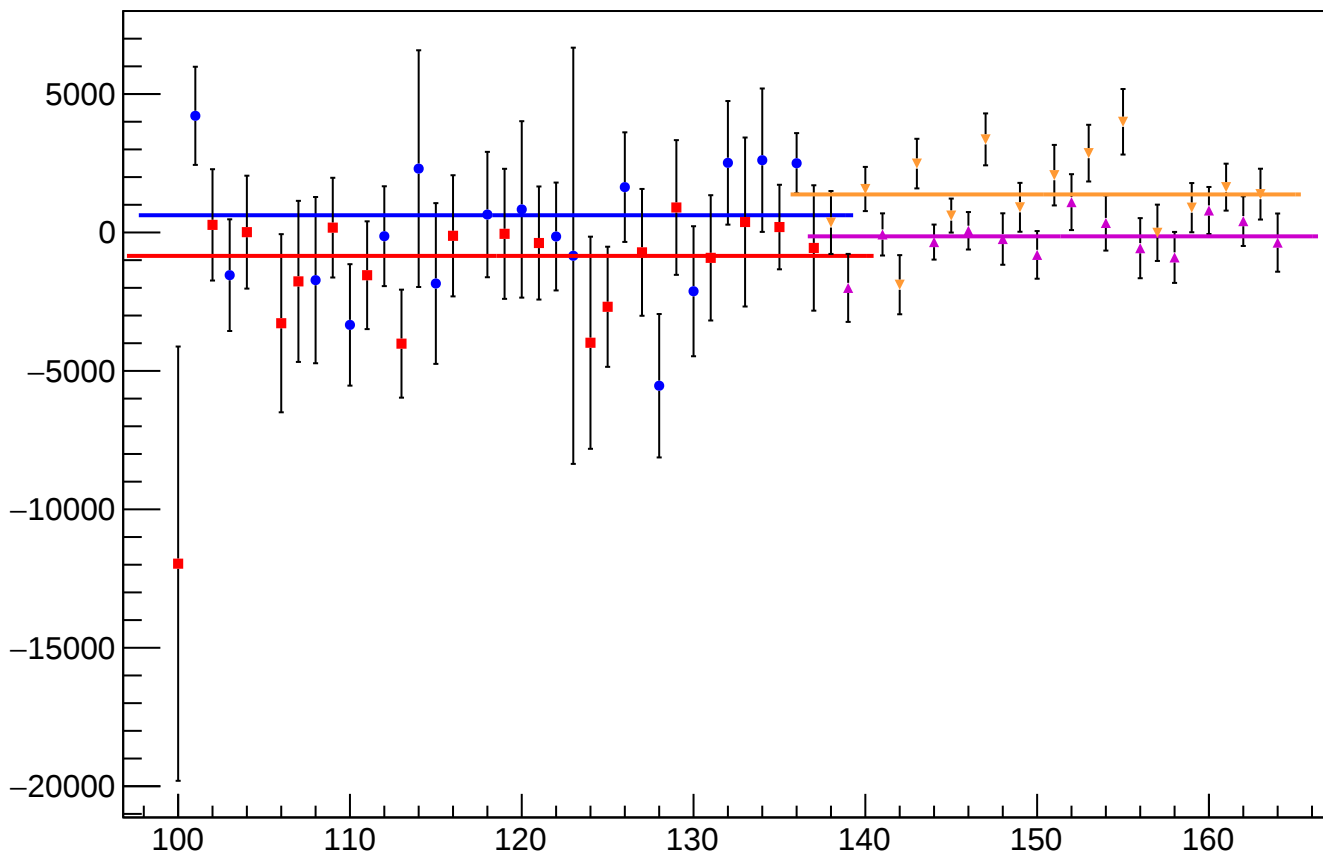
Right: 1325.291 $\pm$ 0.258 χ^2 /NDF: 880004.2/35

In: 855.761 $\pm$ 0.154 χ^2 /NDF: 2868367.8/29

Out: 876.998 $\pm$ 0.155 χ^2 /NDF: 3119200.7/32

All: 866.319 $\pm$ 0.109 χ^2 /NDF: 5997012.3/62

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1374.012 $\pm$ 243.544 χ^2 /NDF: 27.7/13

Right Out: -846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

Left In: -139.742 $\pm$ 241.648 χ^2 /NDF: 7.3/12

Left: 611.219 $\pm$ 171.537 χ^2 /NDF: 54.5/26

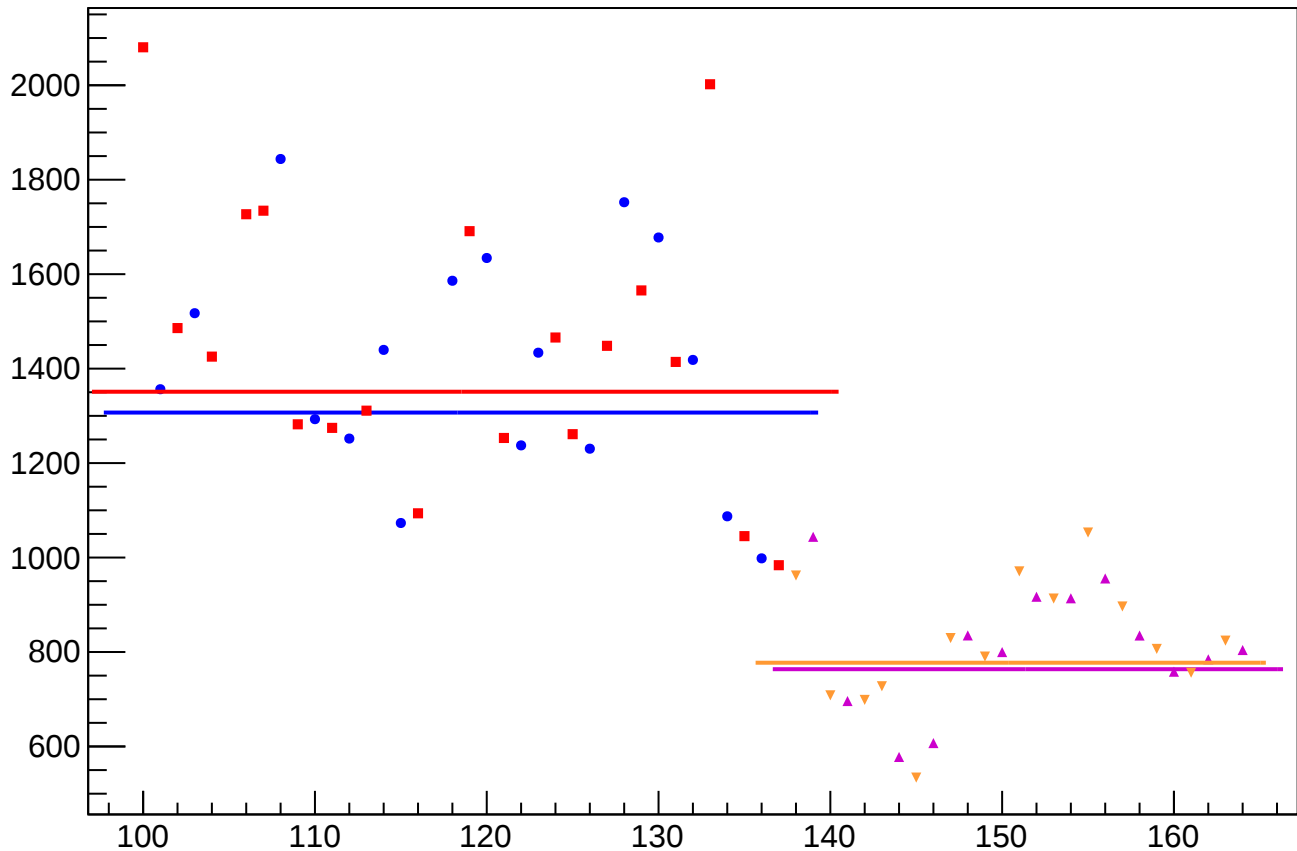
Right: -114.886 $\pm$ 365.862 χ^2 /NDF: 35.1/35

In: -3.738 $\pm$ 219.028 χ^2 /NDF: 31.0/29

Out: 969.973 $\pm$ 220.270 χ^2 /NDF: 51.9/32

All: 480.366 $\pm$ 155.313 χ^2 /NDF: 92.8/62

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 777.323+/-0.172 χ^2/NDF : 648084.0/13

Right Out: 1351.096+/-0.365 χ^2/NDF : 421804.6/18

Left In: 763.605+/-0.171 χ^2/NDF : 584959.8/12

Left: 770.410+/-0.121 χ^2/NDF : 1236240.9/26

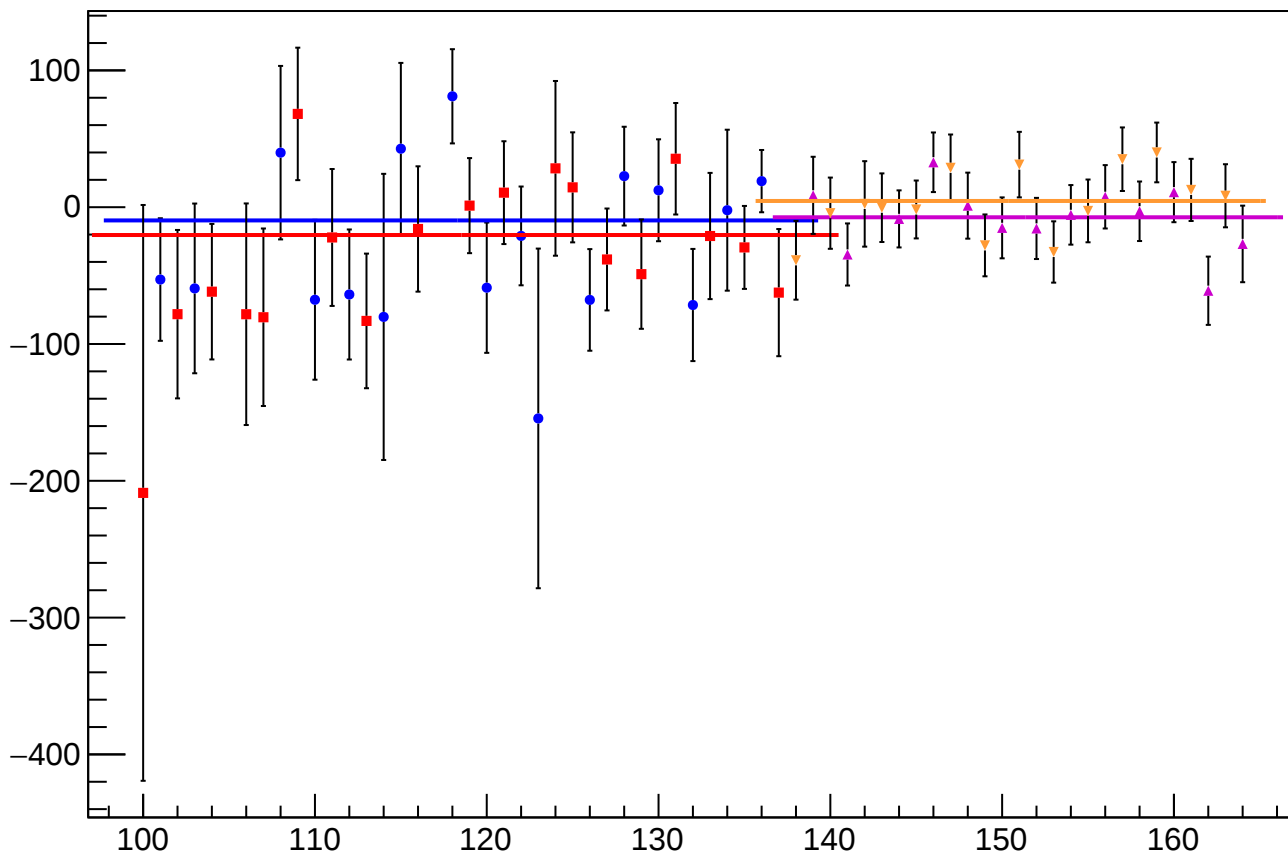
Right: 1329.131+/-0.259 χ^2/NDF : 880266.0/35

In: 860.569+/-0.155 χ^2/NDF : 2840723.8/29

Out: 881.747+/-0.156 χ^2/NDF : 3090210.9/32

All: 871.099+/-0.110 χ^2/NDF : 5940231.1/62

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 ± 10.408 $\chi^2/\text{NDF}: 22.6/16$

Left Out: 4.552 ± 6.378 $\chi^2/\text{NDF}: 14.2/13$

Right Out: -20.335 ± 10.444 $\chi^2/\text{NDF}: 14.7/18$

Left In: -7.372 ± 6.404 $\chi^2/\text{NDF}: 11.8/12$

Left: -1.386 ± 4.519 $\chi^2/\text{NDF}: 27.8/26$

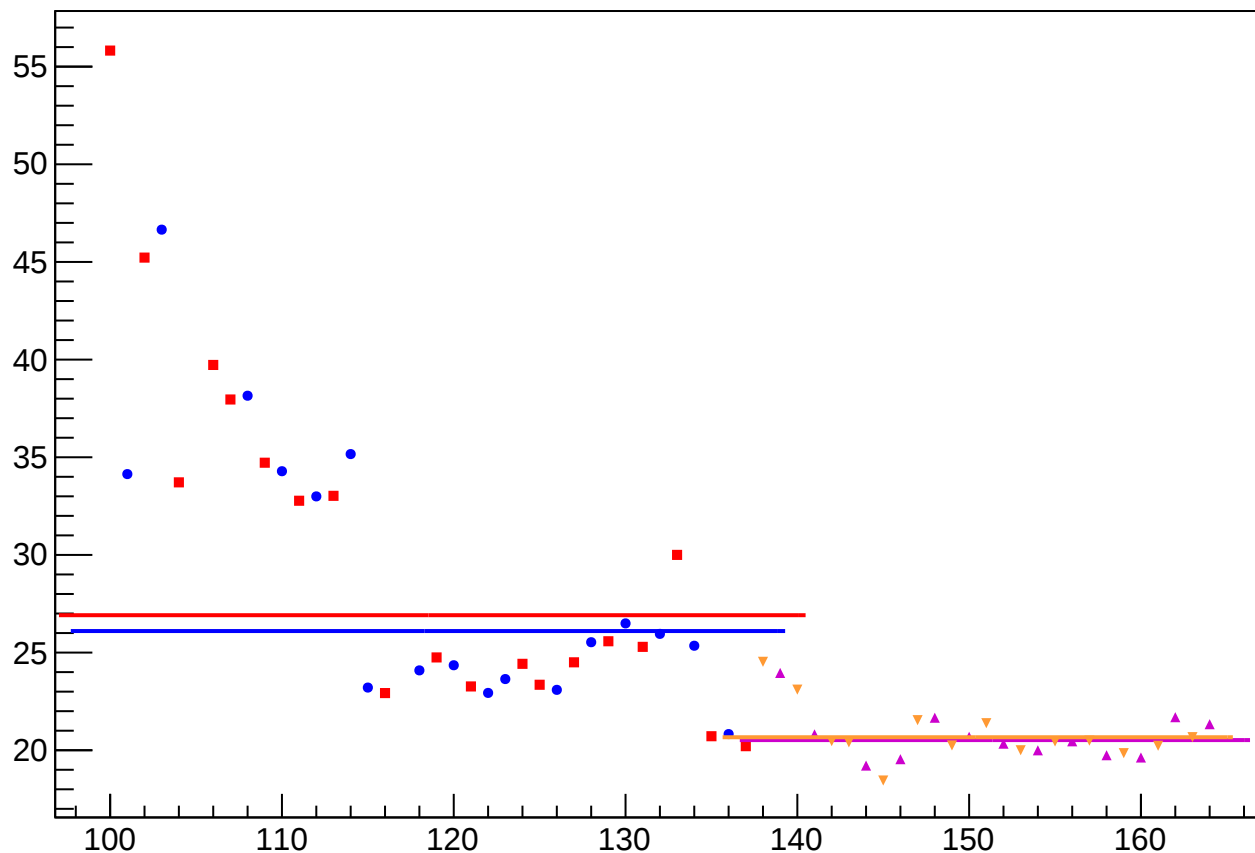
Right: -14.983 ± 7.372 $\chi^2/\text{NDF}: 37.7/35$

In: -8.003 ± 5.454 $\chi^2/\text{NDF}: 34.4/29$

Out: -2.209 ± 5.444 $\chi^2/\text{NDF}: 33.0/32$

All: -5.100 ± 3.853 $\chi^2/\text{NDF}: 68.0/62$

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.665 $\pm$ 0.005 χ^2 /NDF: 86456.5/13

Right Out: 26.914 $\pm$ 0.007 χ^2 /NDF: 678970.2/18

Left In: 20.520 $\pm$ 0.005 χ^2 /NDF: 59813.2/12

Left: 20.593 $\pm$ 0.003 χ^2 /NDF: 146785.7/26

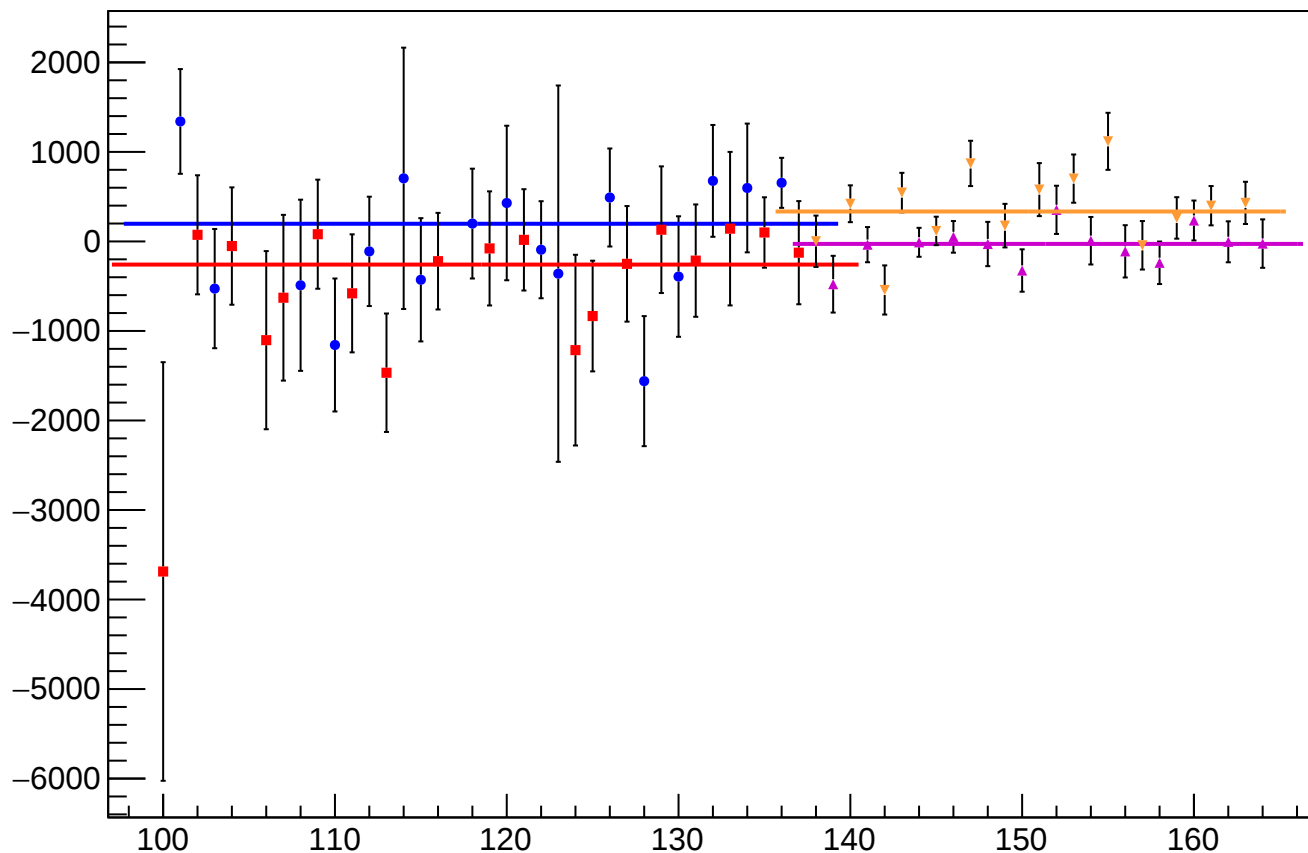
Right: 26.507 $\pm$ 0.005 χ^2 /NDF: 1289062.8/35

In: 22.053 $\pm$ 0.004 χ^2 /NDF: 1081242.8/29

Out: 22.363 $\pm$ 0.004 χ^2 /NDF: 1286889.0/32

All: 22.208 $\pm$ 0.003 χ^2 /NDF: 2371359.0/62

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: 334.339 $\pm$ 63.534 χ^2 /NDF:30.3/13

Right Out: -258.537 $\pm$ 149.867 χ^2 /NDF: 10.7/18

Left In: -27.750 $\pm$ 63.163 χ^2 /NDF:8.1/12

Left: 152.235 $\pm$ 44.794 χ^2 /NDF: 54.7/26

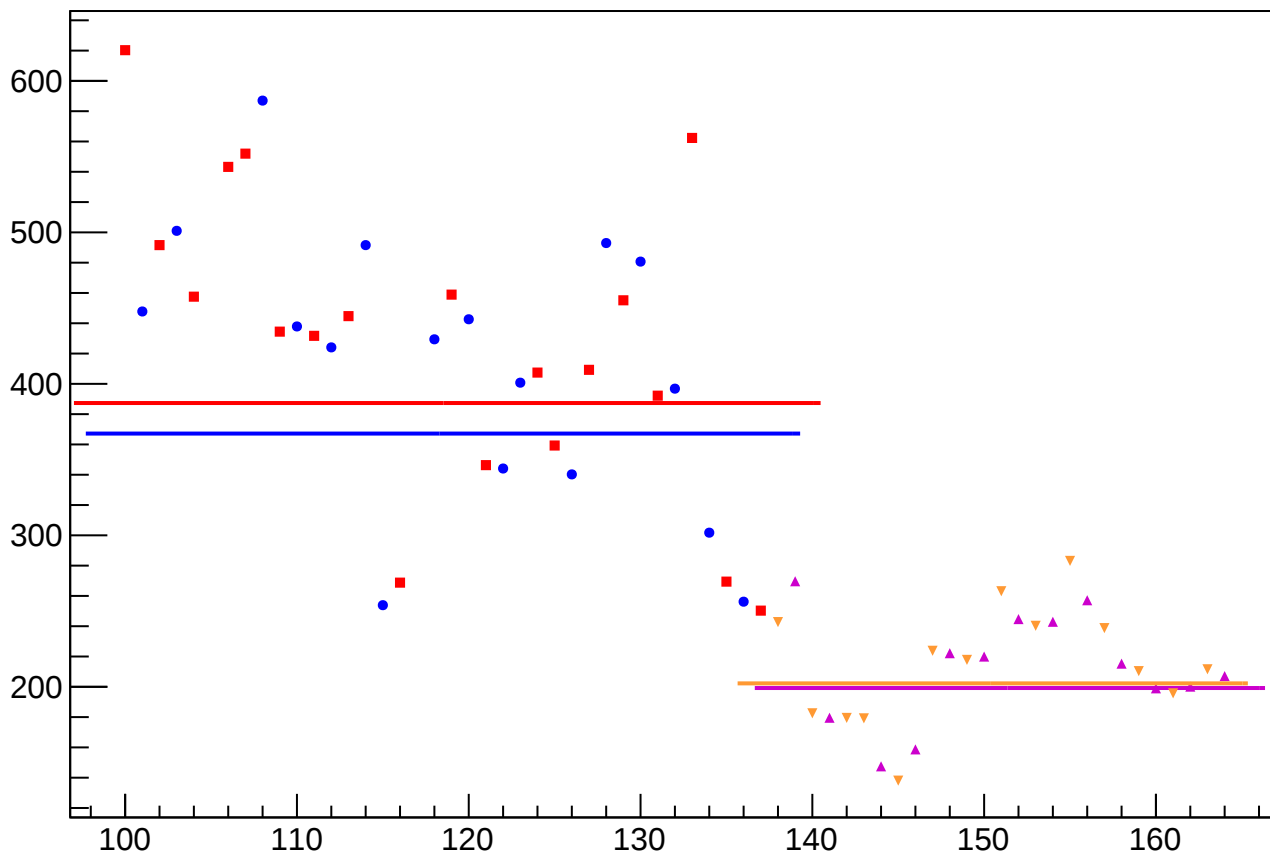
Right: -27.568 $\pm$ 105.264 χ^2 /NDF: 36.3/35

In: 6.976 $\pm$ 58.087 χ^2 /NDF:31.0/29

Out: 244.018 $\pm$ 58.495 χ^2 /NDF:54.2/32

All: 124.667 $\pm$ 41.217 χ^2 /NDF: 93.5/62

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: 202.261 $\pm$ 0.045 χ^2/NDF : 739692.6/13

Right Out: 387.344 $\pm$ 0.106 χ^2/NDF : 774562.4/18

Left In: 199.198 $\pm$ 0.045 χ^2/NDF : 662093.4/12

Left: 200.720 $\pm$ 0.032 χ^2/NDF : 1404123.6/26

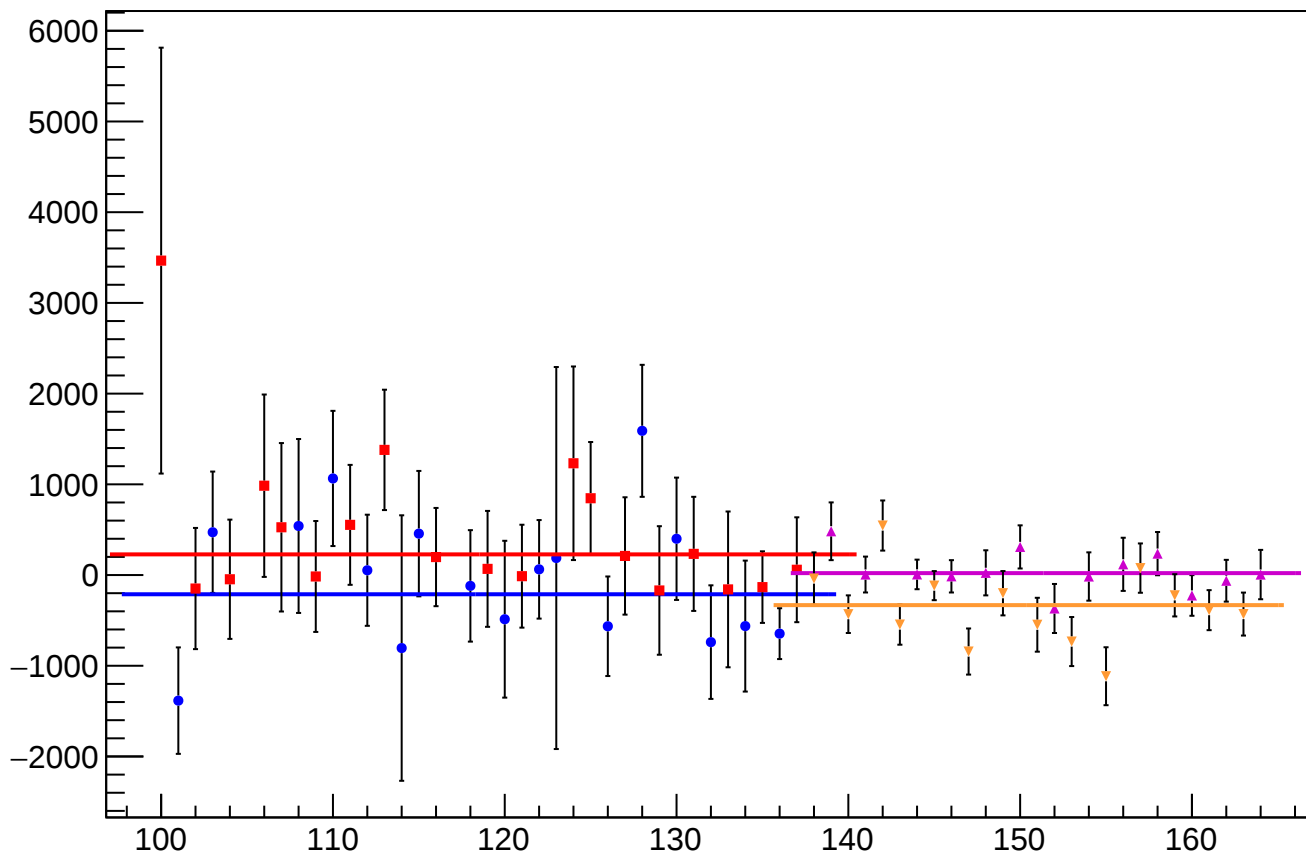
Right: 377.128 $\pm$ 0.074 χ^2/NDF : 1620053.1/35

In: 225.115 $\pm$ 0.041 χ^2/NDF : 3671689.1/29

Out: 230.457 $\pm$ 0.041 χ^2/NDF : 4099910.9/32

All: 227.767 $\pm$ 0.029 χ^2/NDF : 7779999.4/62

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -331.620+/-63.902 χ^2/NDF : 29.9/13

Right Out: 227.831+/-150.317 χ^2/NDF : 10.1/18

Left In: 21.219+/-63.532 χ^2/NDF : 8.0/12

Left: -154.178+/-45.054 χ^2/NDF : 53.2/26

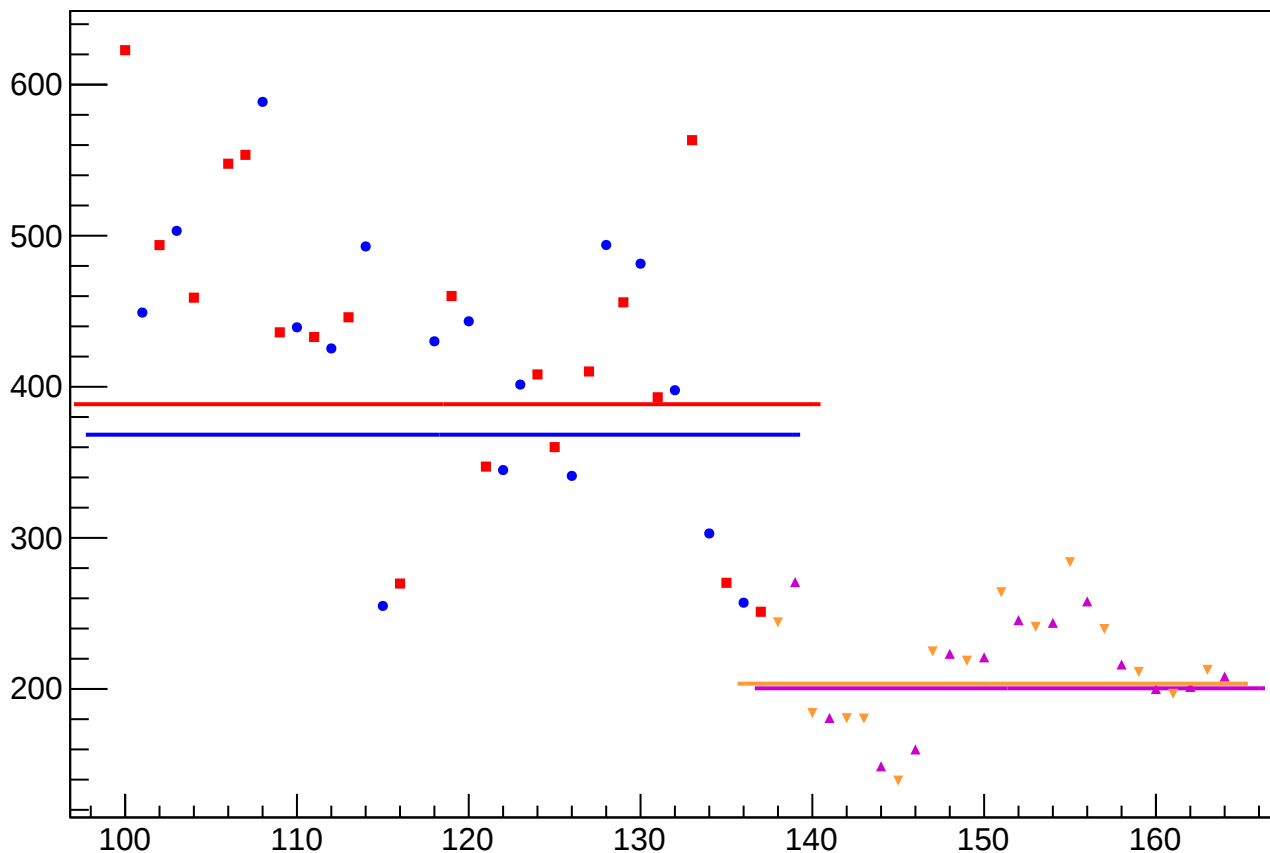
Right: 5.040+/-105.575 χ^2/NDF : 35.4/35

In: -14.918+/-58.400 χ^2/NDF : 31.1/29

Out: -245.990+/-58.808 χ^2/NDF : 51.7/32

All: -129.649+/-41.439 χ^2/NDF : 90.5/62

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: 203.512 $\pm$ 0.045 χ^2 /NDF: 725319.9/13

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

Left In: 200.435 $\pm$ 0.045 χ^2 /NDF: 649072.9/12

Left: 201.965 $\pm$ 0.032 χ^2 /NDF: 1376725.0/26

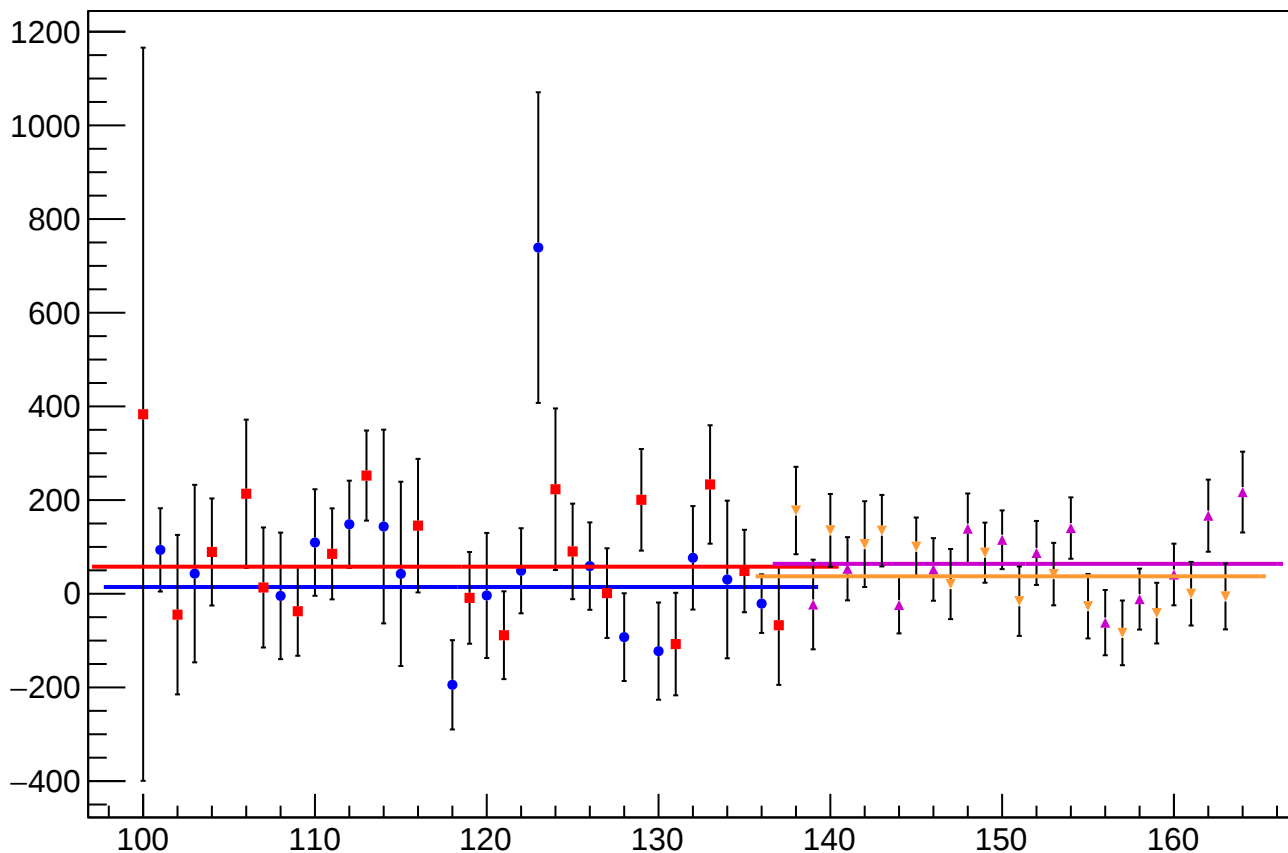
Right: 378.252 $\pm$ 0.075 χ^2 /NDF: 1617584.5/35

In: 226.462 $\pm$ 0.041 χ^2 /NDF: 3638482.4/29

Out: 231.823 $\pm$ 0.042 χ^2 /NDF: 4064660.3/32

All: 229.123 $\pm$ 0.029 χ^2 /NDF: 7711510.5/62

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: 37.276 $\pm$ 19.121 χ^2 /NDF:14.3/13

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

Left In: 63.834 $\pm$ 19.318 χ^2 /NDF:15.8/12

Left: 50.419 $\pm$ 13.590 χ^2 /NDF: 31.0/26

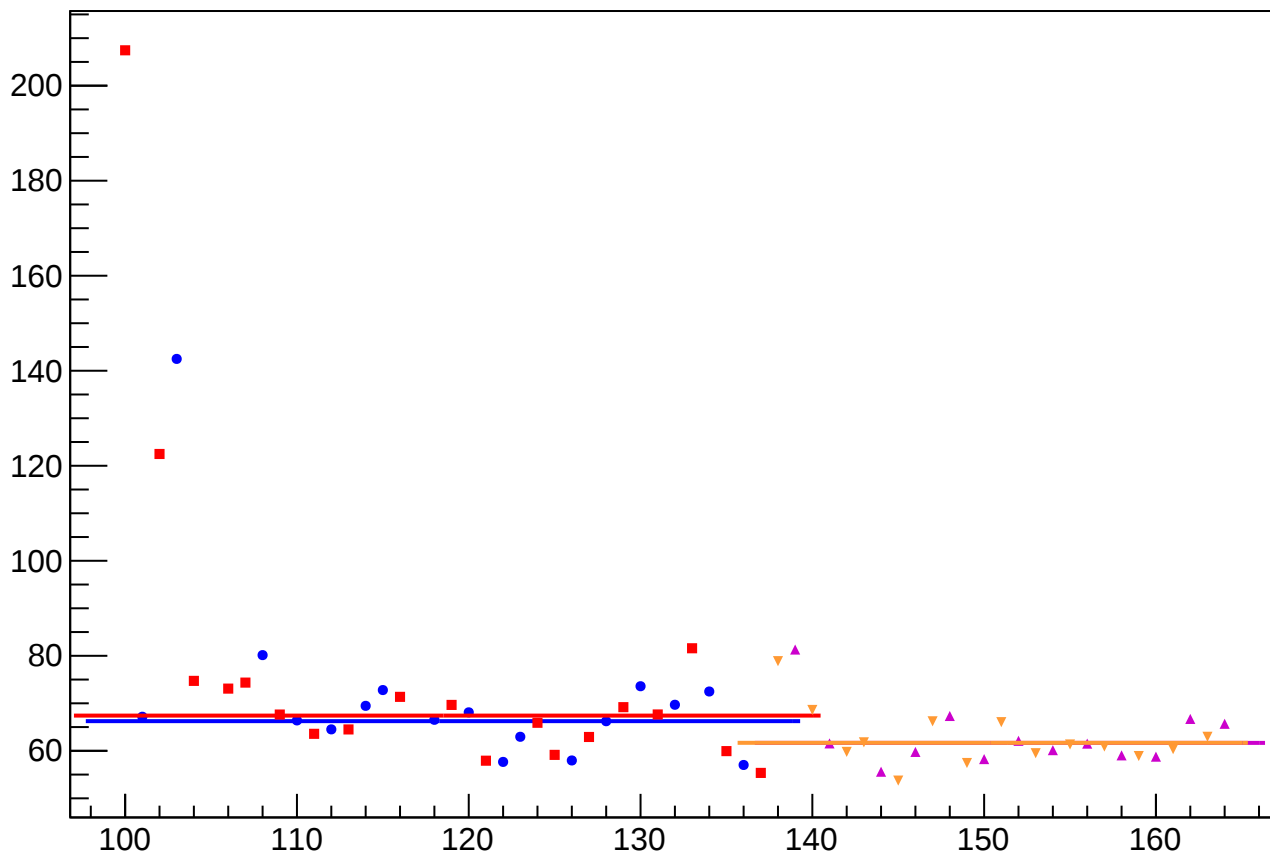
Right: 36.266 $\pm$ 18.545 χ^2 /NDF: 37.5/35

In: 46.534 $\pm$ 15.576 χ^2 /NDF:35.7/29

Out: 44.435 $\pm$ 15.429 χ^2 /NDF:33.1/32

All: 45.474 $\pm$ 10.962 χ^2 /NDF: 68.9/62

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 61.686 $\pm$ 0.014 χ^2 /NDF:147700.6/13

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

Left In: 61.670 $\pm$ 0.014 χ^2 /NDF:144433.4/12

Left: 61.678 $\pm$ 0.010 χ^2 /NDF: 292134.7/26

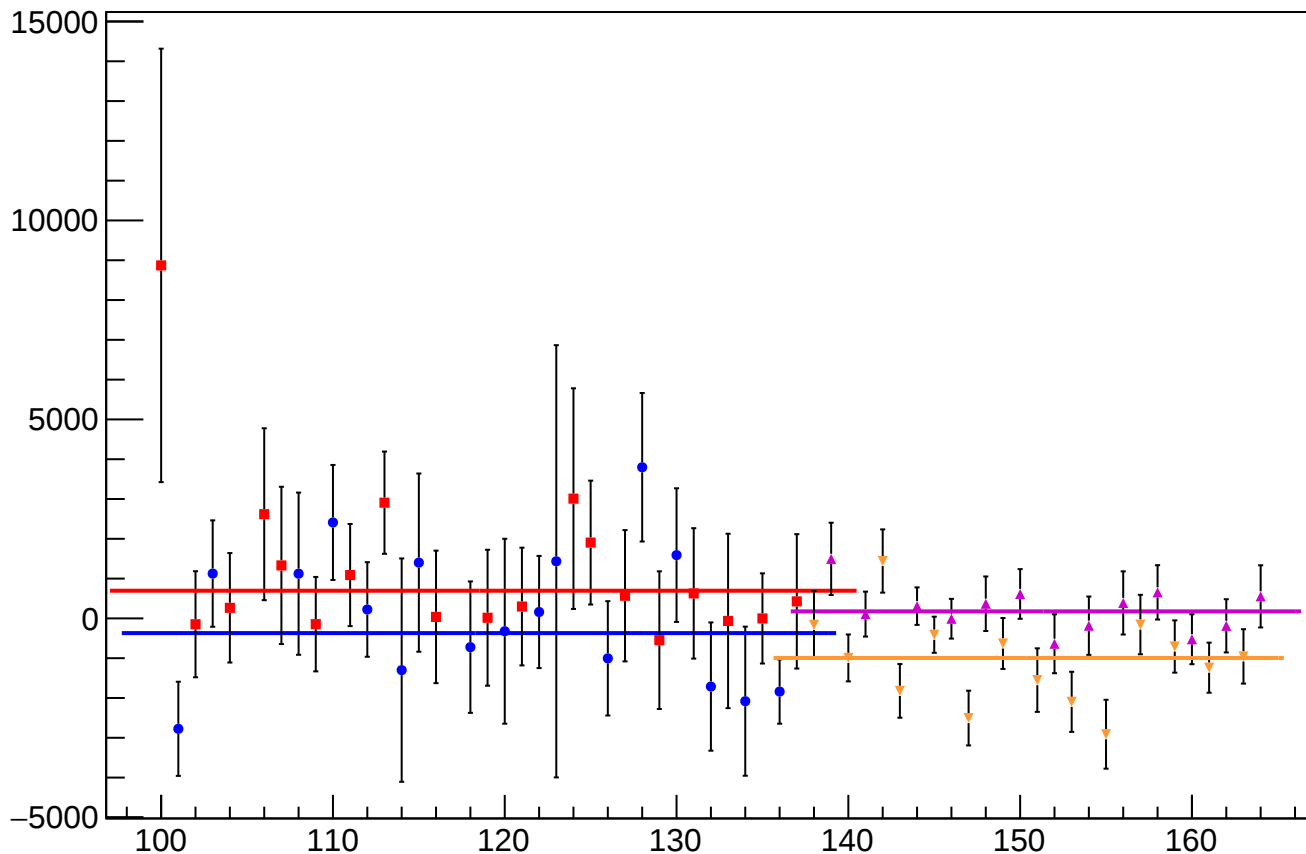
Right: 66.836 $\pm$ 0.013 χ^2 /NDF: 836536.0/35

In: 63.271 $\pm$ 0.011 χ^2 /NDF:624659.7/29

Out: 63.685 $\pm$ 0.011 χ^2 /NDF:603944.1/32

All: 63.480 $\pm$ 0.008 χ^2 /NDF: 1229316.3/62

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546 $\pm$ 366.432 χ^2 /NDF: 22.3/16

Left Out: -994.172 $\pm$ 179.909 χ^2 /NDF:27.8/13

Right Out: 695.425 $\pm$ 361.887 χ^2 /NDF: 9.9/18

Left In: 176.731 $\pm$ 178.458 χ^2 /NDF:6.7/12

Left: -403.980 $\pm$ 126.698 χ^2 /NDF: 55.8/26

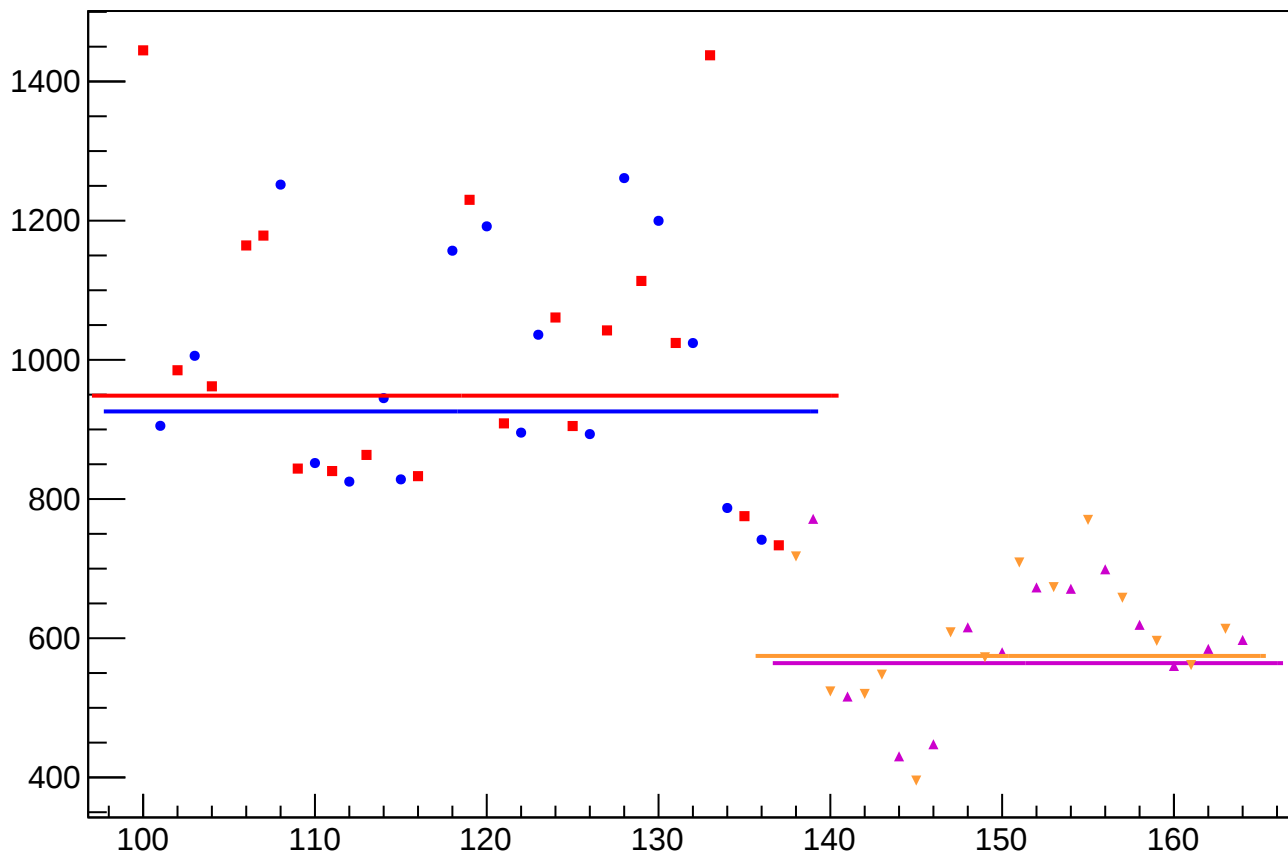
Right: 169.586 $\pm$ 257.485 χ^2 /NDF: 36.5/35

In: 72.003 $\pm$ 160.442 χ^2 /NDF:30.8/29

Out: -659.344 $\pm$ 161.099 χ^2 /NDF:55.2/32

All: -292.176 $\pm$ 113.681 χ^2 /NDF: 96.3/62

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: 574.561 $\pm$ 0.127 χ^2 /NDF: 628156.2/13

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

Left In: 564.218 $\pm$ 0.126 χ^2 /NDF: 563868.2/12

Left: 569.348 $\pm$ 0.090 χ^2 /NDF: 1195356.3/26

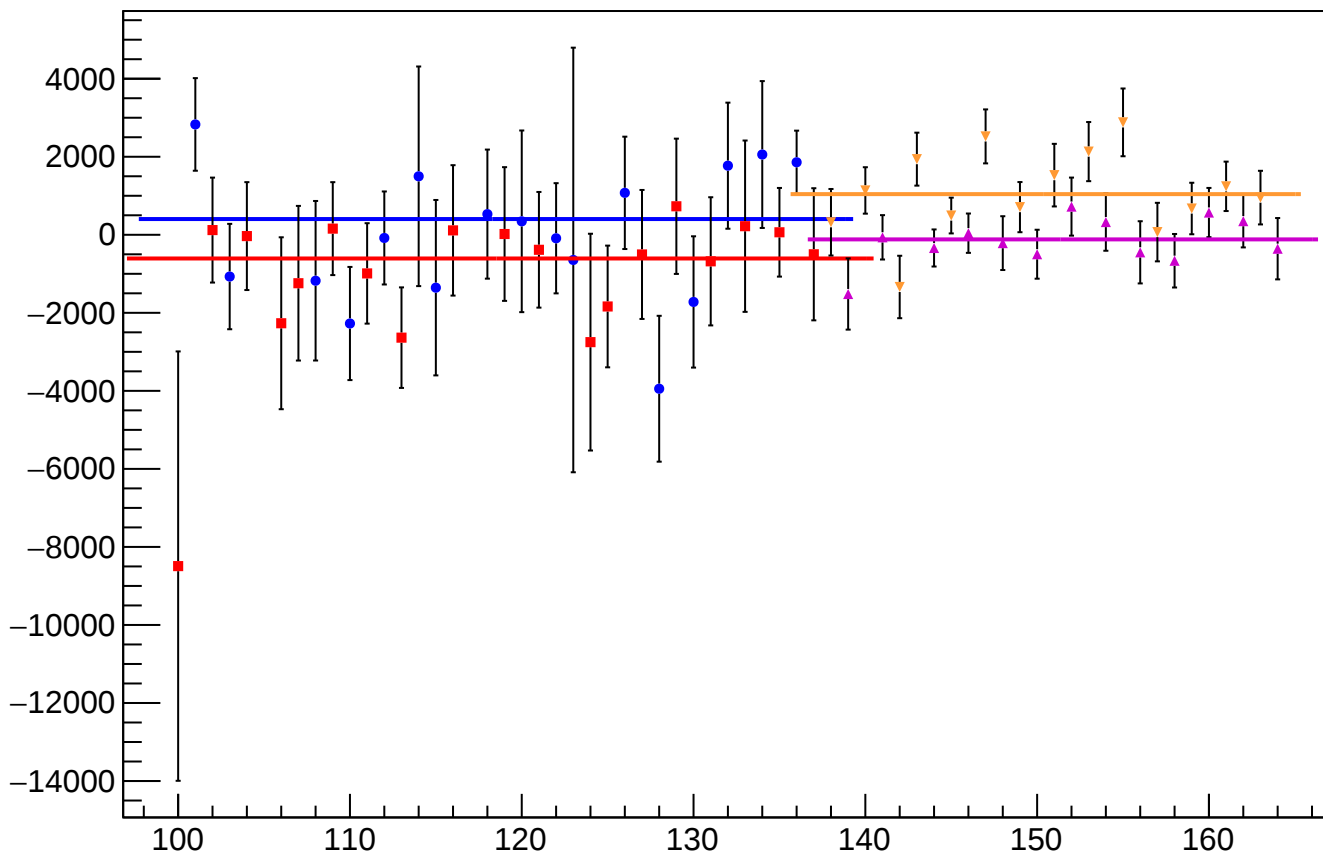
Right: 937.360 $\pm$ 0.182 χ^2 /NDF: 776890.8/35

In: 633.554 $\pm$ 0.113 χ^2 /NDF: 2529754.6/29

Out: 648.675 $\pm$ 0.114 χ^2 /NDF: 2722818.9/32

All: 641.083 $\pm$ 0.080 χ^2 /NDF: 5261420.1/62

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1042.365+/-181.048 χ^2/NDF : 26.6/13

Right Out: -607.276+/-363.327 χ^2/NDF : 8.8/18

Left In: -117.959+/-179.617 χ^2/NDF : 7.3/12

Left: 457.598+/-127.511 χ^2/NDF : 54.6/26

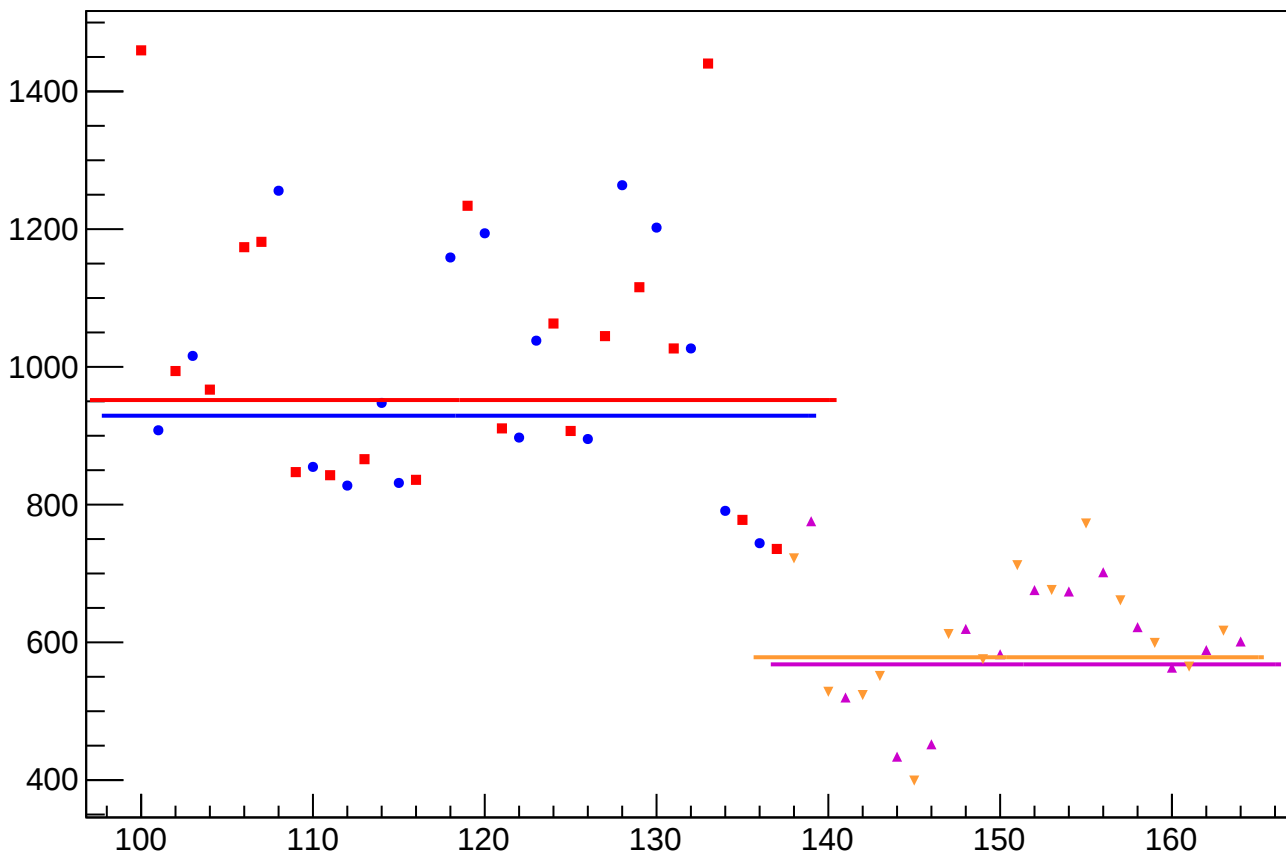
Right: -107.869+/-258.438 χ^2/NDF : 35.1/35

In: -17.476+/-161.389 χ^2/NDF : 31.3/29

Out: 714.225+/-162.044 χ^2/NDF : 52.0/32

All: 346.893+/-114.350 χ^2/NDF : 93.5/62

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 578.376+/-0.128 χ^2/NDF : 615821.3/13

Right Out: 951.847+/-0.257 χ^2/NDF : 382219.3/18

Left In: 568.046+/-0.127 χ^2/NDF : 553135.3/12

Left: 573.170+/-0.090 χ^2/NDF : 1172237.7/26

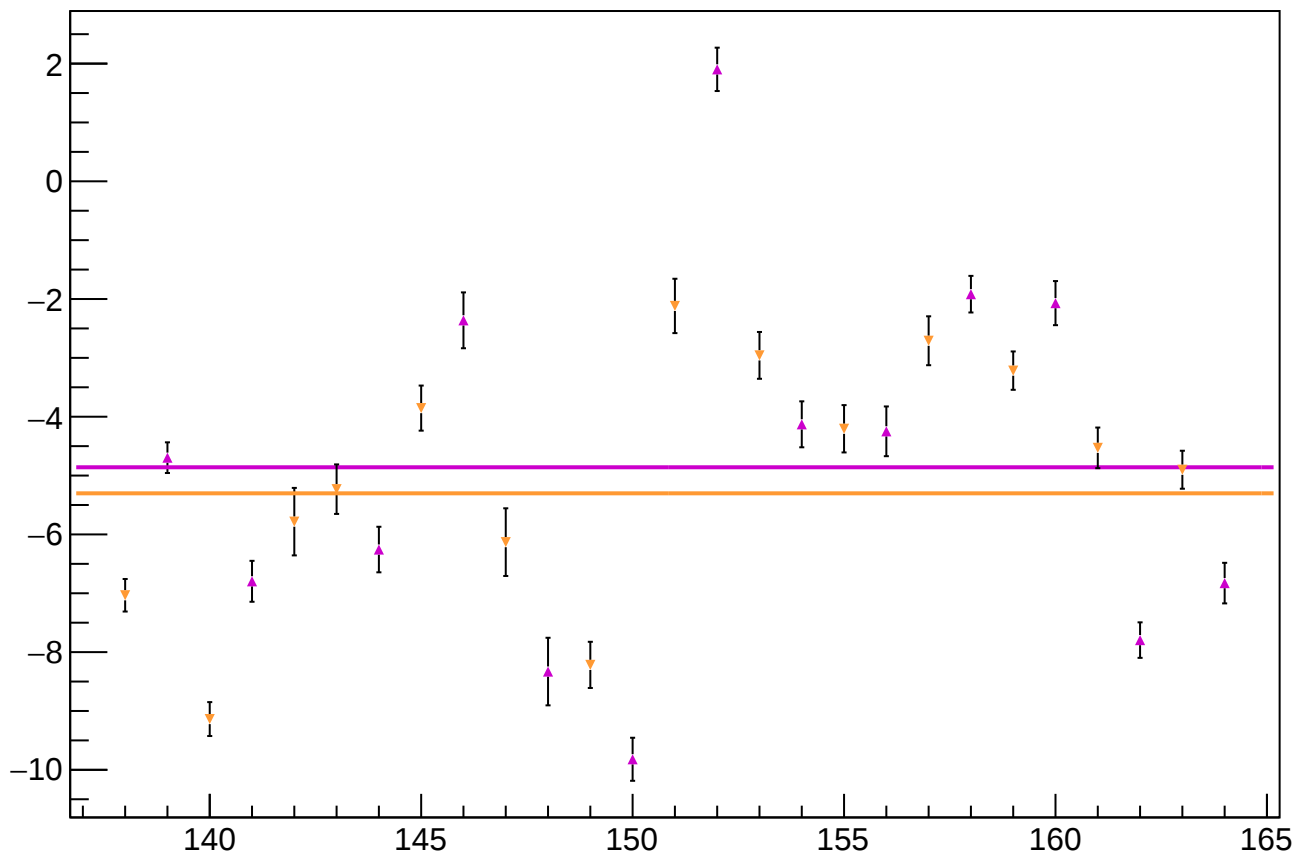
Right: 940.607+/-0.183 χ^2/NDF : 776385.5/35

In: 637.607+/-0.114 χ^2/NDF : 2500349.4/29

Out: 652.665+/-0.115 χ^2/NDF : 2690914.2/32

All: 645.106+/-0.081 χ^2/NDF : 5199934.4/62

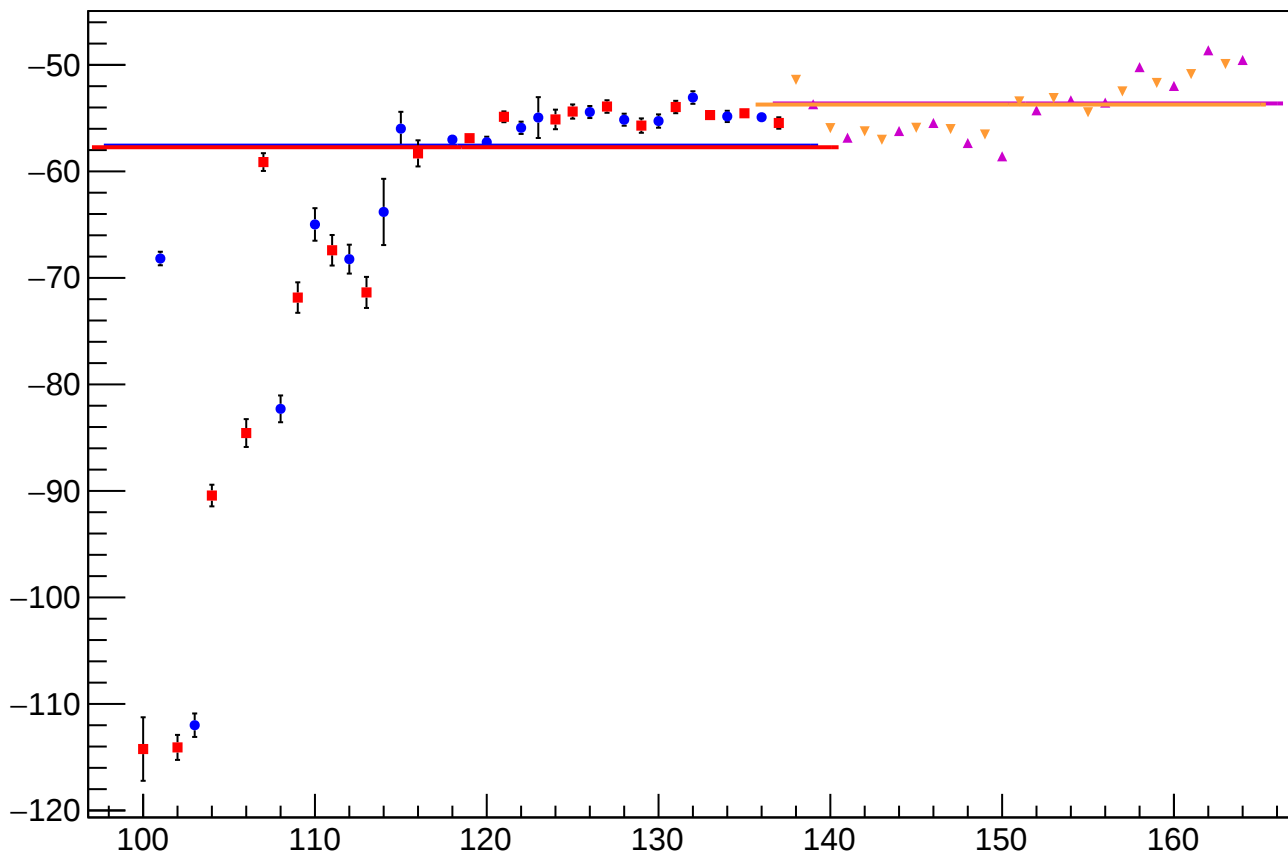
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: -5.302+/-0.100 χ^2 /NDF:464.9/13
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: -4.859+/-0.100 χ^2 /NDF:907.5/12

Left: -5.080+/-0.070 χ^2 /NDF: 1382.3/26
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 In: -4.859+/-0.100 χ^2 /NDF:907.5/12
 Out: -5.302+/-0.100 χ^2 /NDF:464.9/13
 All: -5.080+/-0.070 χ^2 /NDF: 1382.3/26

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -53.724 ± 0.073 χ^2/NDF : 1033.4/13

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

Left In: -53.620 ± 0.075 χ^2/NDF : 1770.5/12

Left: -53.674 ± 0.052 χ^2/NDF : 2804.9/26

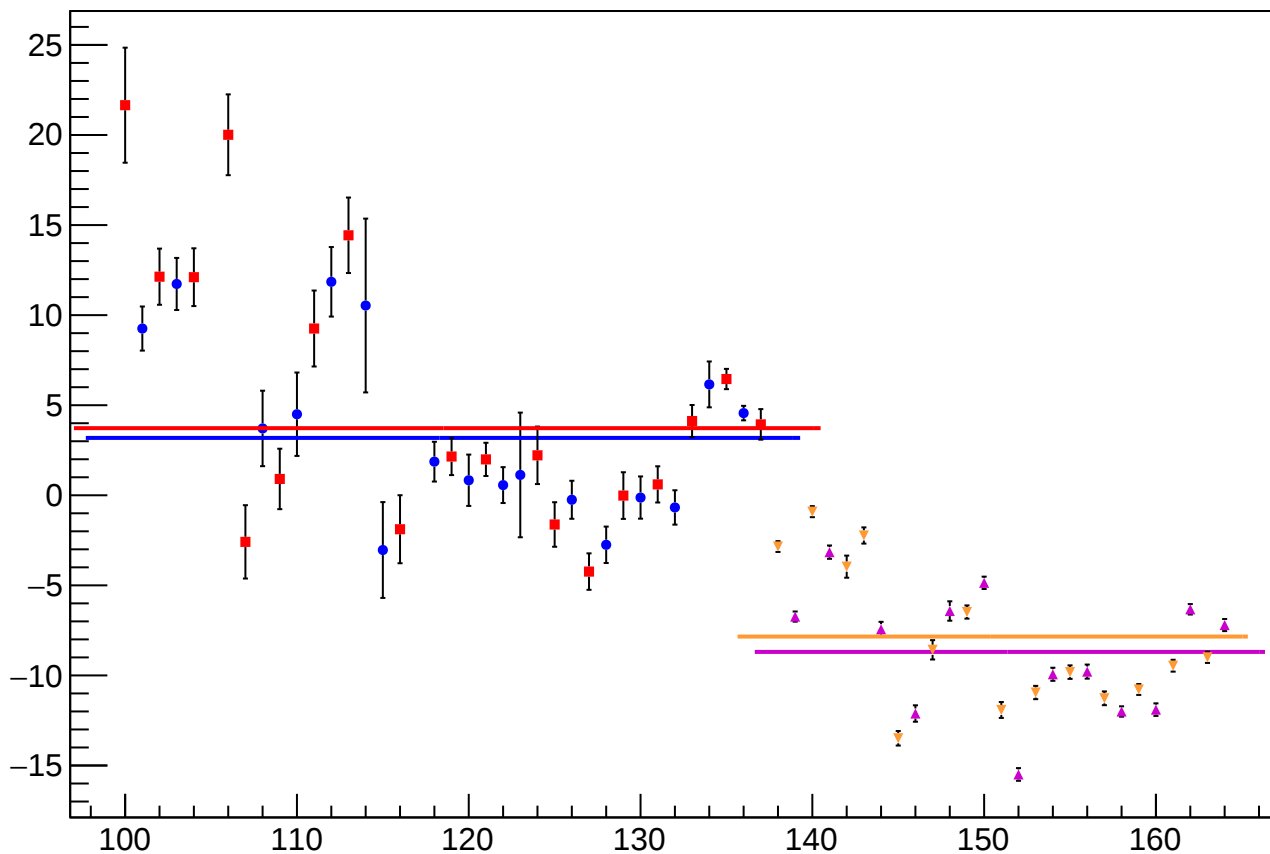
Right: -57.657 ± 0.101 χ^2/NDF : 8154.5/35

In: -54.477 ± 0.067 χ^2/NDF : 5826.7/29

Out: -54.556 ± 0.065 χ^2/NDF : 6354.7/32

All: -54.517 ± 0.047 χ^2/NDF : 12182.2/62

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.842 ± 0.098 χ^2/NDF : 1590.5/13

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

Left In: -8.695 ± 0.097 χ^2/NDF : 1176.8/12

Left: -8.274 ± 0.069 χ^2/NDF : 2805.2/26

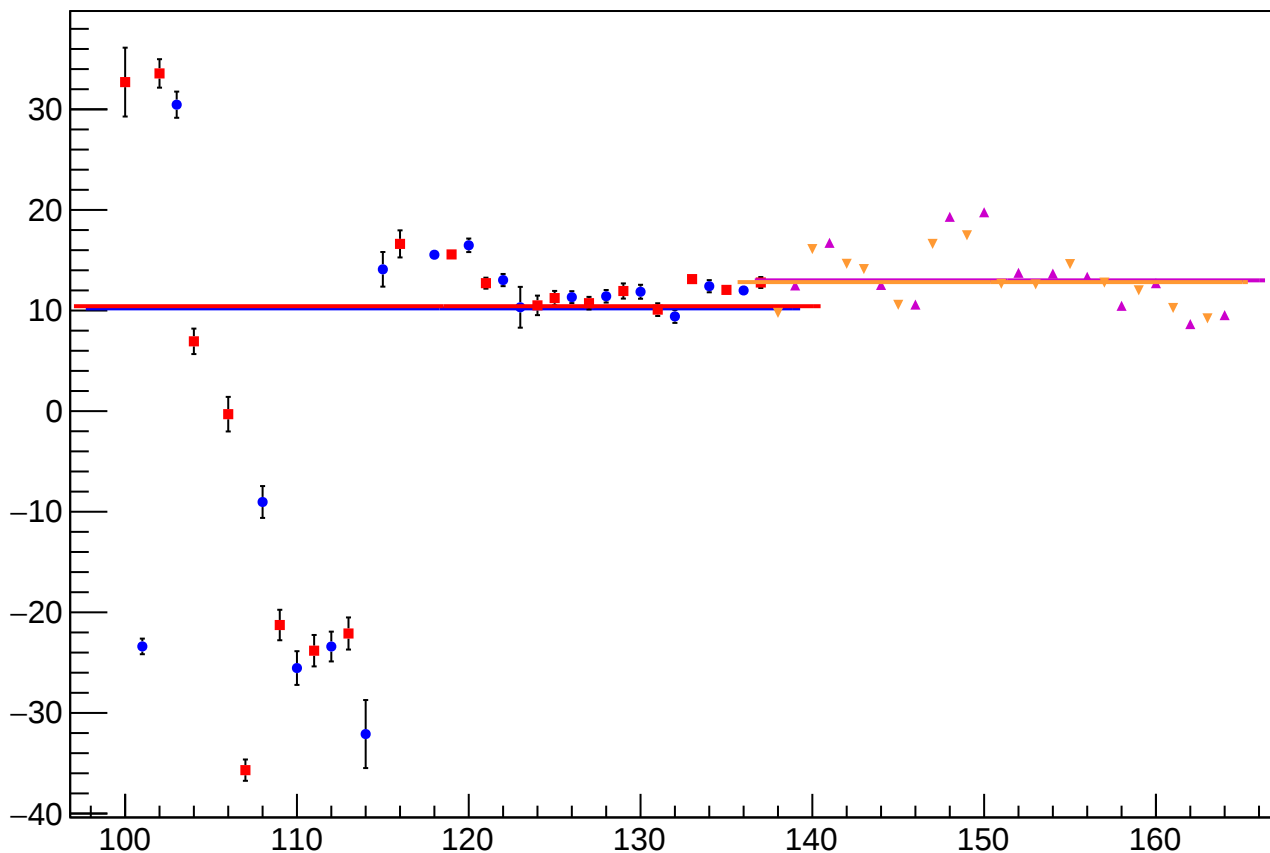
Right: 3.447 ± 0.186 χ^2/NDF : 512.0/35

In: -7.227 ± 0.091 χ^2/NDF : 3206.6/29

Out: -6.463 ± 0.092 χ^2/NDF : 3561.4/32

All: -6.850 ± 0.065 χ^2/NDF : 6802.7/62

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 12.827+/-0.084 χ^2/NDF :939.1/13

Right Out: 10.430+/-0.160 χ^2/NDF : 3826.9/18

Left In: 13.000+/-0.085 χ^2/NDF :1565.7/12

Left: 12.912+/-0.060 χ^2/NDF : 2506.9/26

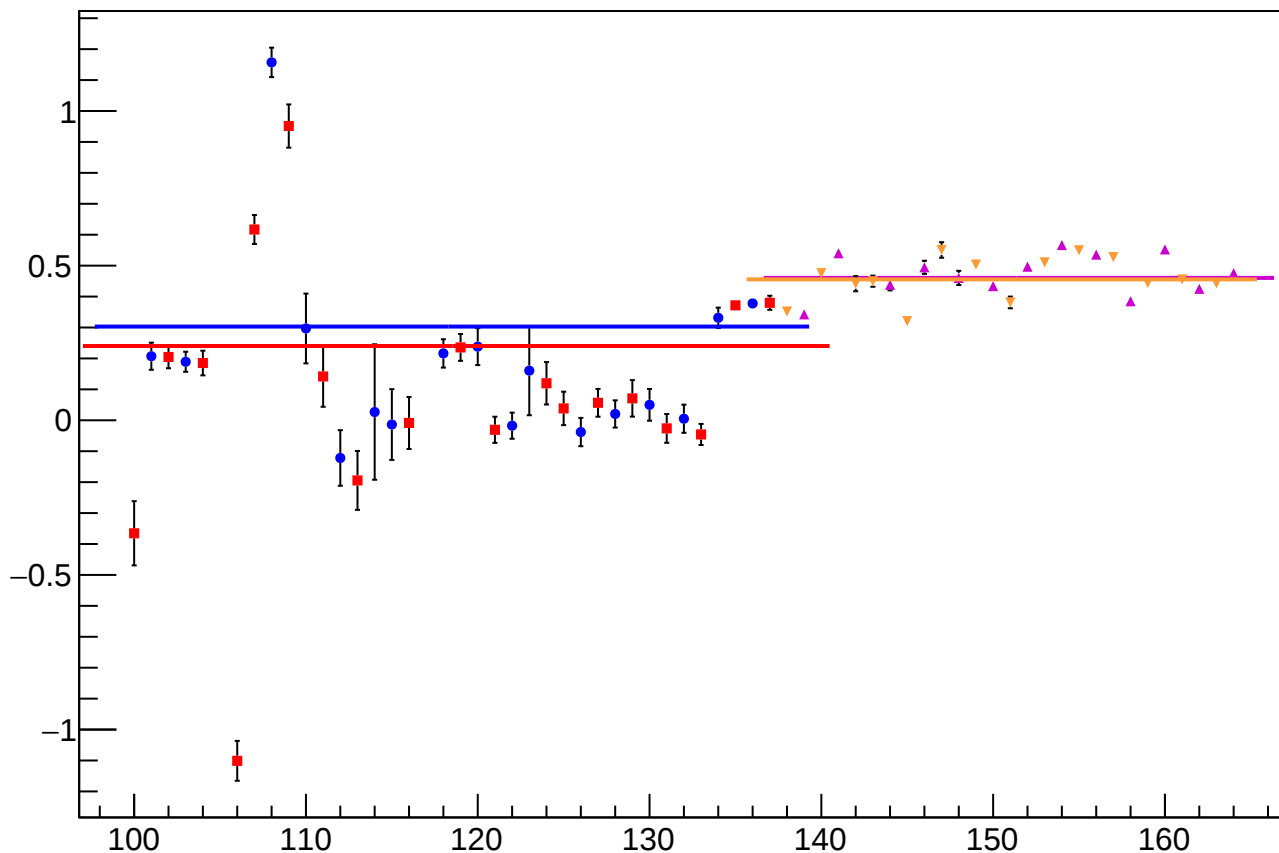
Right: 10.321+/-0.112 χ^2/NDF : 7520.5/35

In: 12.377+/-0.075 χ^2/NDF :5499.3/29

Out: 12.311+/-0.074 χ^2/NDF :4942.0/32

All: 12.344+/-0.053 χ^2/NDF : 10441.8/62

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.456 ± 0.004 χ^2/NDF : 299.1/13

Right Out: 0.240 ± 0.009 χ^2/NDF : 984.4/18

Left In: 0.460 ± 0.004 χ^2/NDF : 404.5/12

Left: 0.458 ± 0.003 χ^2/NDF : 704.4/26

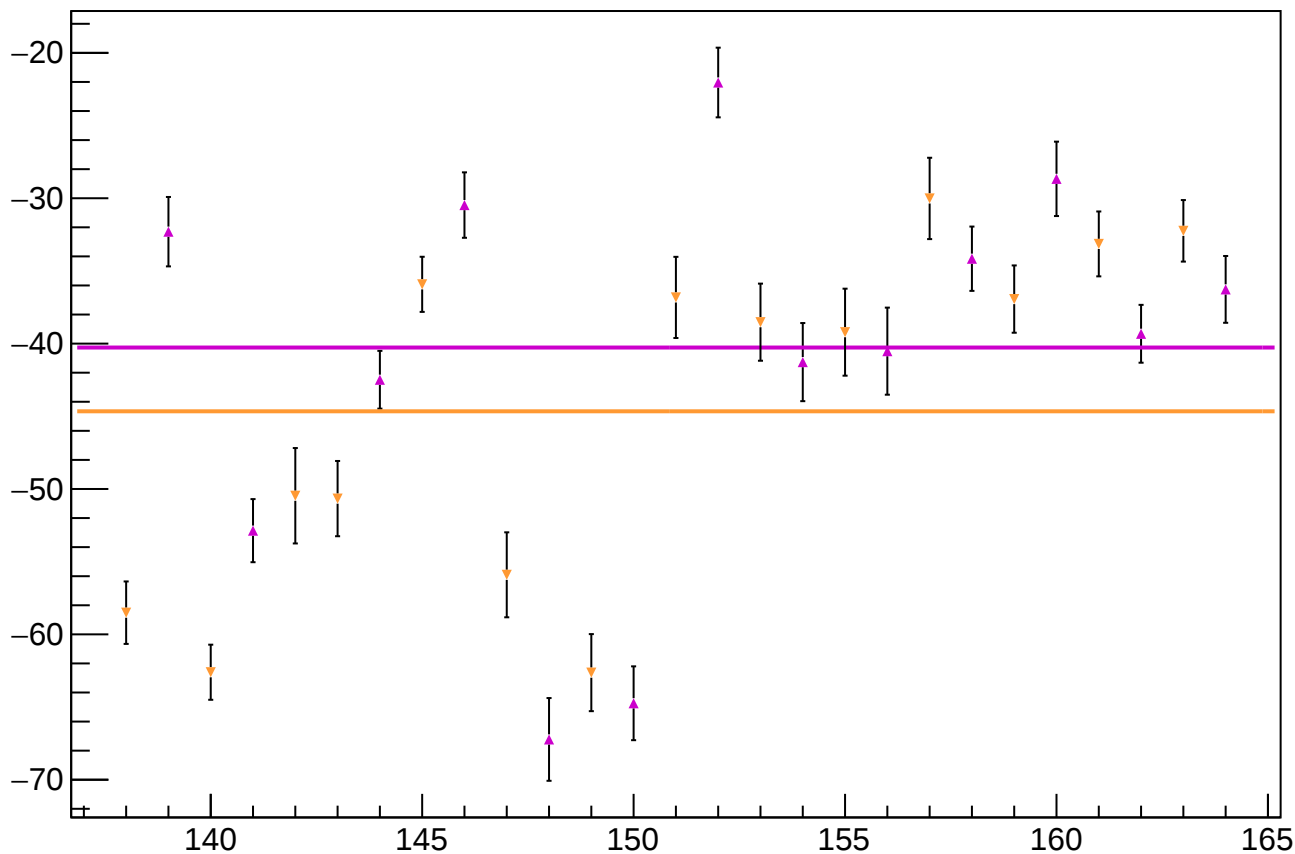
Right: 0.273 ± 0.006 χ^2/NDF : 1658.9/35

In: 0.434 ± 0.003 χ^2/NDF : 1355.1/29

Out: 0.420 ± 0.003 χ^2/NDF : 1817.1/32

All: 0.427 ± 0.002 χ^2/NDF : 3179.8/62

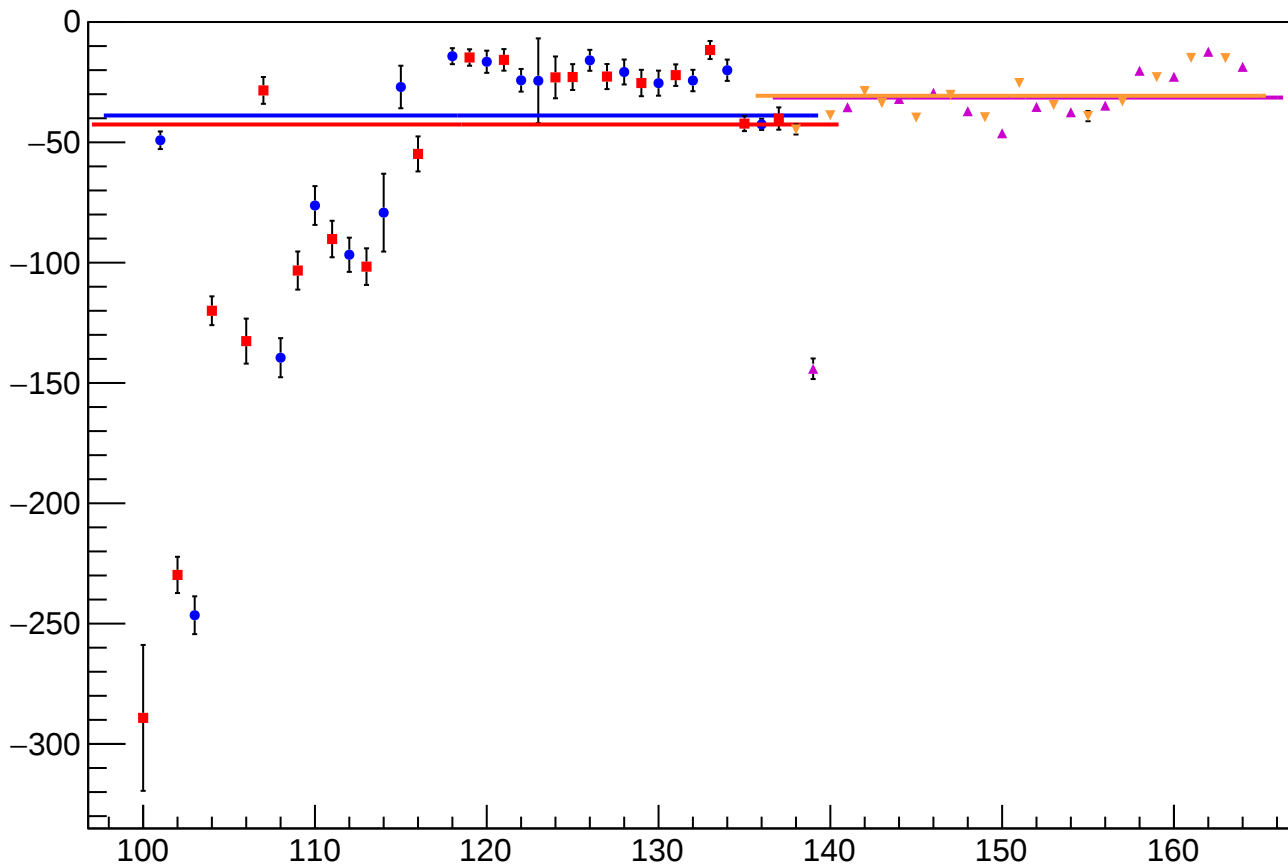
reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -44.656+/-0.646 χ^2/NDF : 337.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -40.270+/-0.654 χ^2/NDF : 337.1/12

Left: -42.489+/-0.460 χ^2/NDF : 697.7/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -40.270+/-0.654 χ^2/NDF : 337.1/12
 Out: -44.656+/-0.646 χ^2/NDF : 337.9/13
 All: -42.489+/-0.460 χ^2/NDF : 697.7/26

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844+/-1.148 χ^2/NDF : 1121.9/16

Left Out: -30.641+/-0.455 χ^2/NDF : 390.3/13

Right Out: -42.586+/-1.210 χ^2/NDF : 1345.7/18

Left In: -31.393+/-0.464 χ^2/NDF : 1080.0/12

Left: -31.010+/-0.325 χ^2/NDF : 1471.7/26

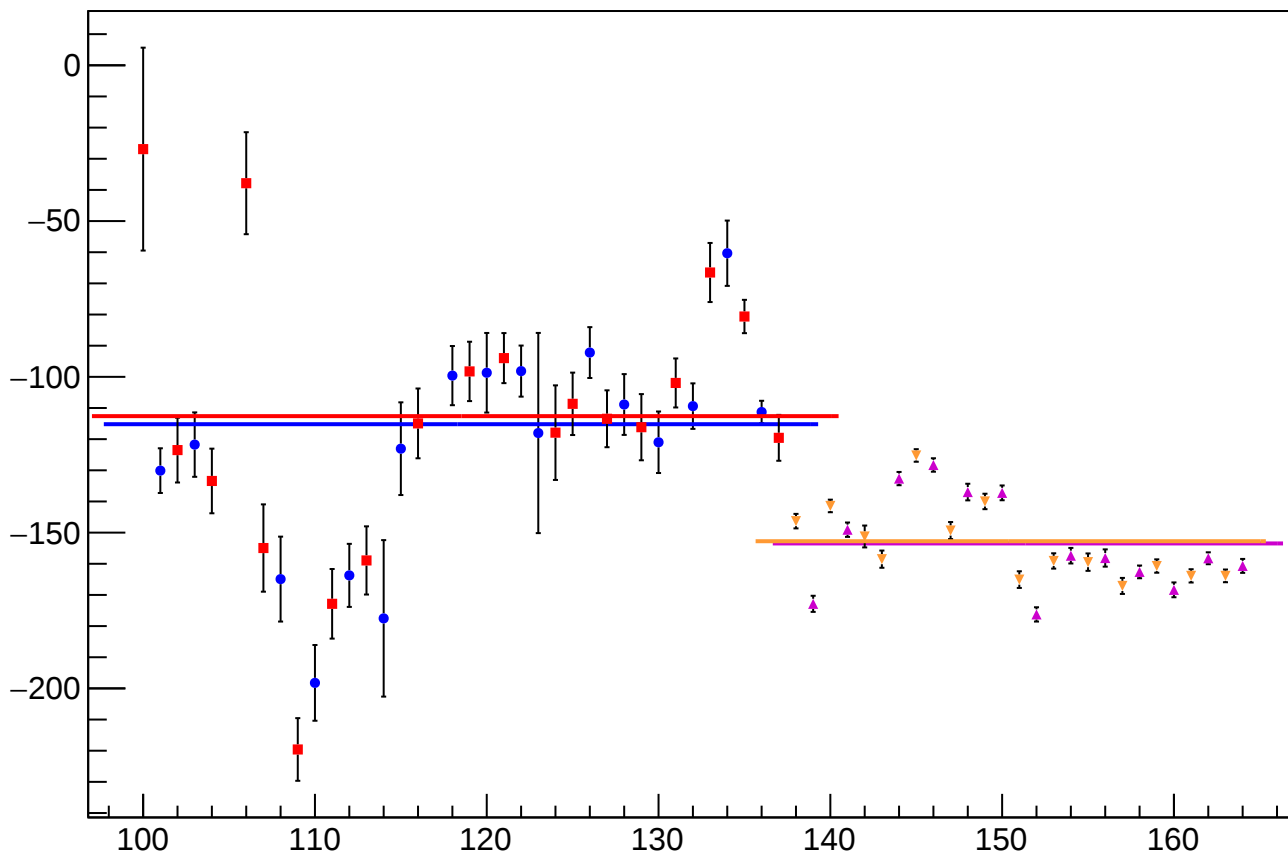
Right: -40.617+/-0.833 χ^2/NDF : 2472.6/35

In: -32.439+/-0.430 χ^2/NDF : 2238.2/29

Out: -32.121+/-0.426 χ^2/NDF : 1821.4/32

All: -32.278+/-0.303 χ^2/NDF : 4059.8/62

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: -152.761 ± 0.639 $\chi^2/\text{NDF}: 393.3/13$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

Left In: -153.472 ± 0.638 $\chi^2/\text{NDF}: 556.2/12$

Left: -153.117 ± 0.452 $\chi^2/\text{NDF}: 950.0/26$

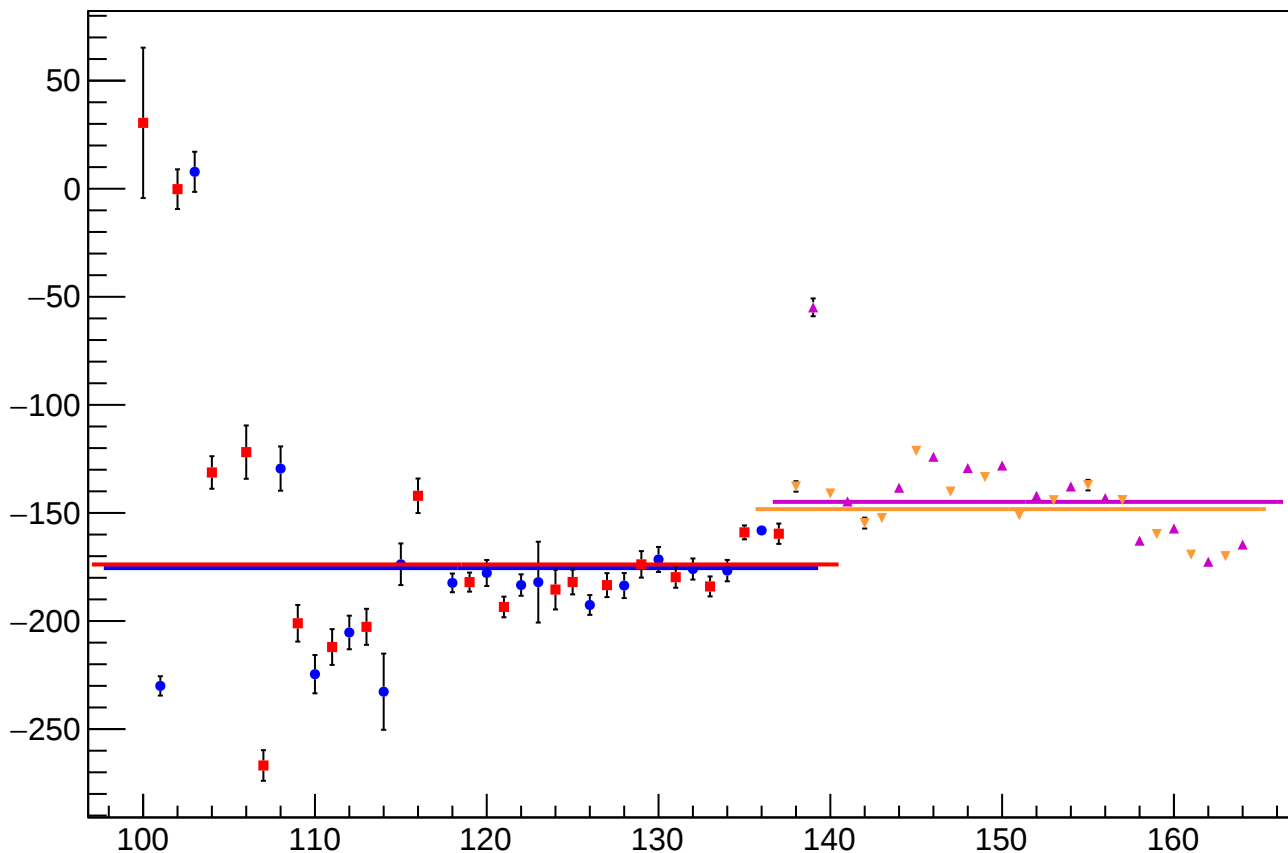
Right: -113.982 ± 1.515 $\chi^2/\text{NDF}: 413.9/35$

In: -150.188 ± 0.610 $\chi^2/\text{NDF}: 1006.0/29$

Out: -149.657 ± 0.614 $\chi^2/\text{NDF}: 970.4/32$

All: -149.925 ± 0.433 $\chi^2/\text{NDF}: 1976.8/62$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 $\chi^2/\text{NDF}: 692.3/16$

Left Out: -148.232 ± 0.531 $\chi^2/\text{NDF}: 750.1/13$

Right Out: -173.830 ± 1.357 $\chi^2/\text{NDF}: 737.9/18$

Left In: -144.873 ± 0.537 $\chi^2/\text{NDF}: 1330.8/12$

Left: -146.572 ± 0.377 $\chi^2/\text{NDF}: 2100.7/26$

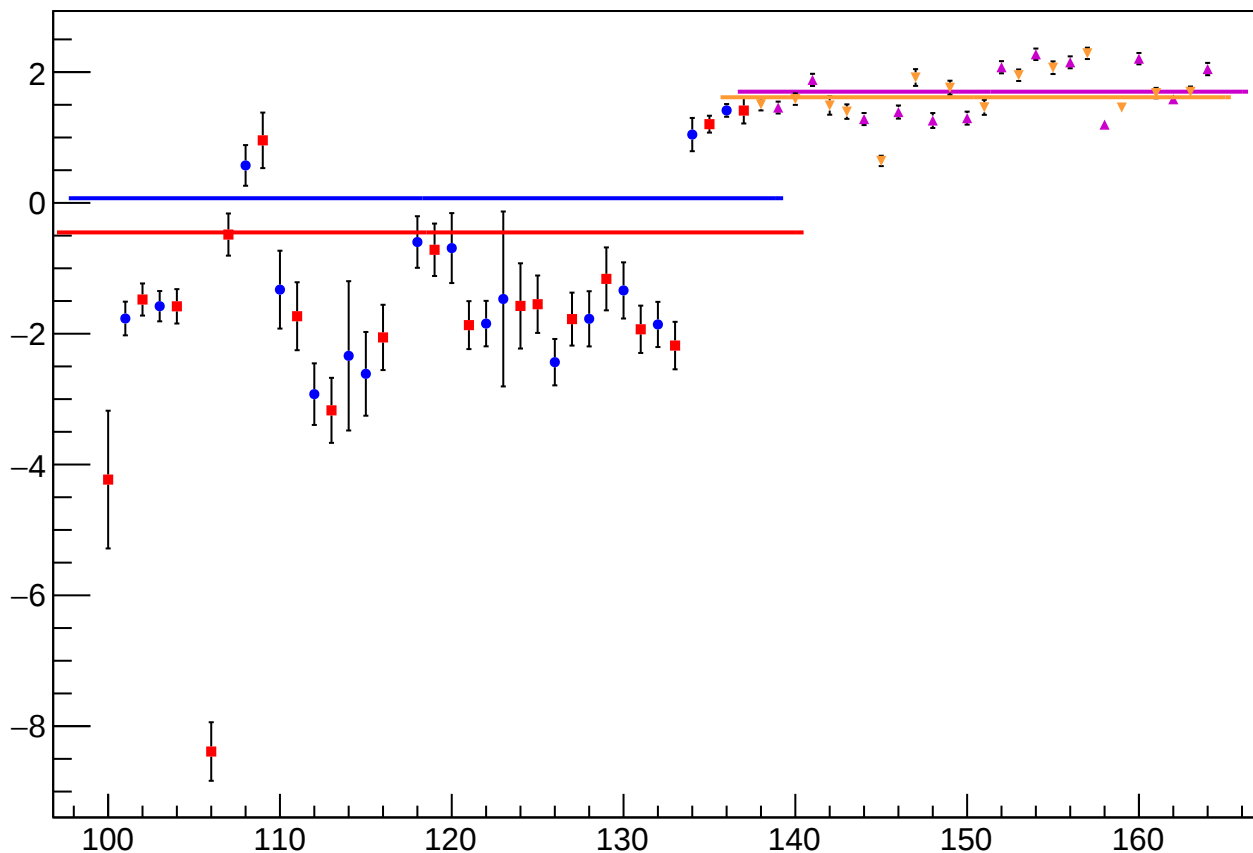
Right: -174.726 ± 0.930 $\chi^2/\text{NDF}: 1431.0/35$

In: -149.477 ± 0.495 $\chi^2/\text{NDF}: 2512.5/29$

Out: -151.628 ± 0.494 $\chi^2/\text{NDF}: 1796.8/32$

All: -150.554 ± 0.350 $\chi^2/\text{NDF}: 4318.8/62$

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.615 ± 0.025 χ^2/NDF : 269.0/13

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

Left In: 1.700 ± 0.025 χ^2/NDF : 252.0/12

Left: 1.658 ± 0.018 χ^2/NDF : 526.8/26

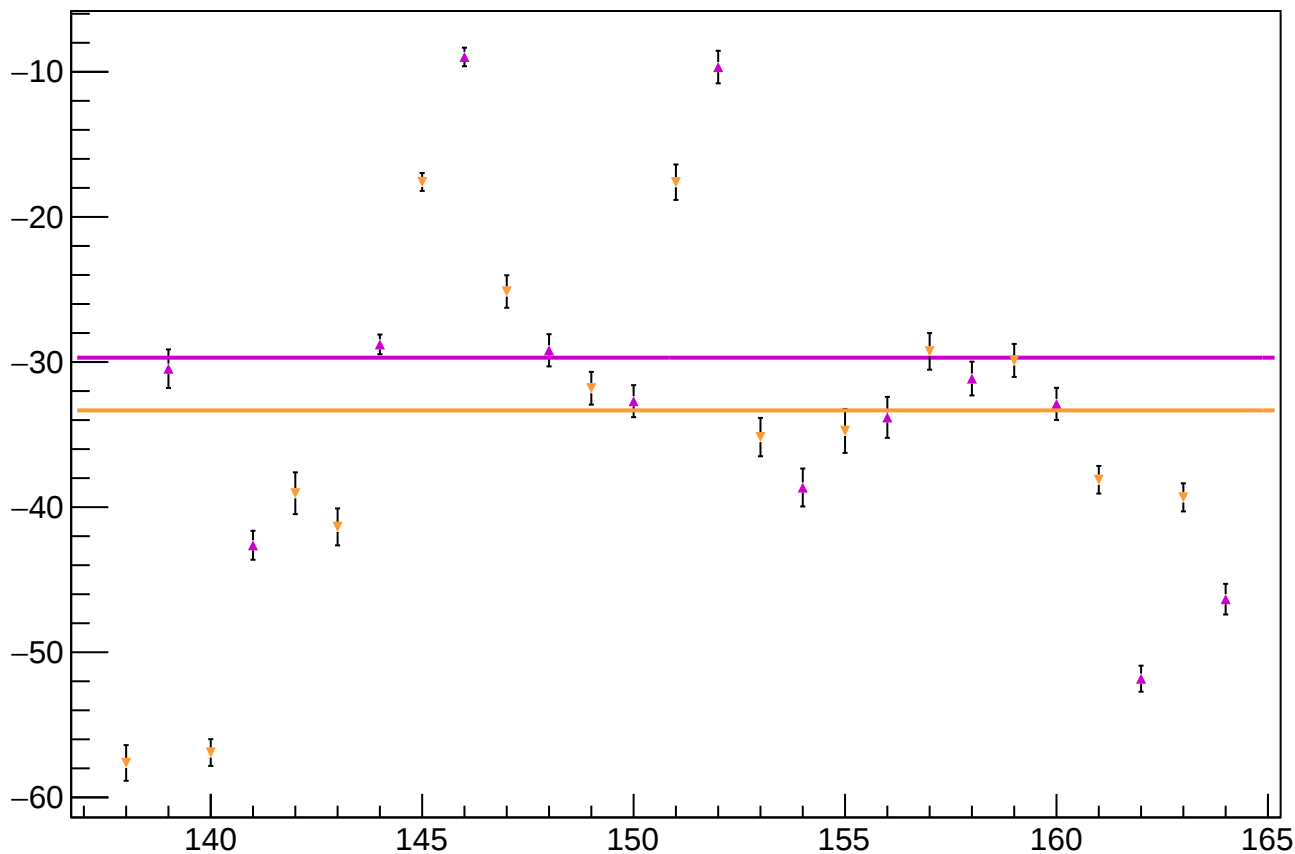
Right: -0.174 ± 0.049 χ^2/NDF : 1305.0/35

In: 1.502 ± 0.023 χ^2/NDF : 1294.1/29

Out: 1.390 ± 0.024 χ^2/NDF : 1768.2/32

All: 1.447 ± 0.017 χ^2/NDF : 3073.7/62

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -33.329+/-0.284 χ^2/NDF :2057.0/13

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

Left In: -29.699+/-0.273 χ^2/NDF :2470.2/12

Left: -31.443+/-0.197 χ^2/NDF : 4612.0/26

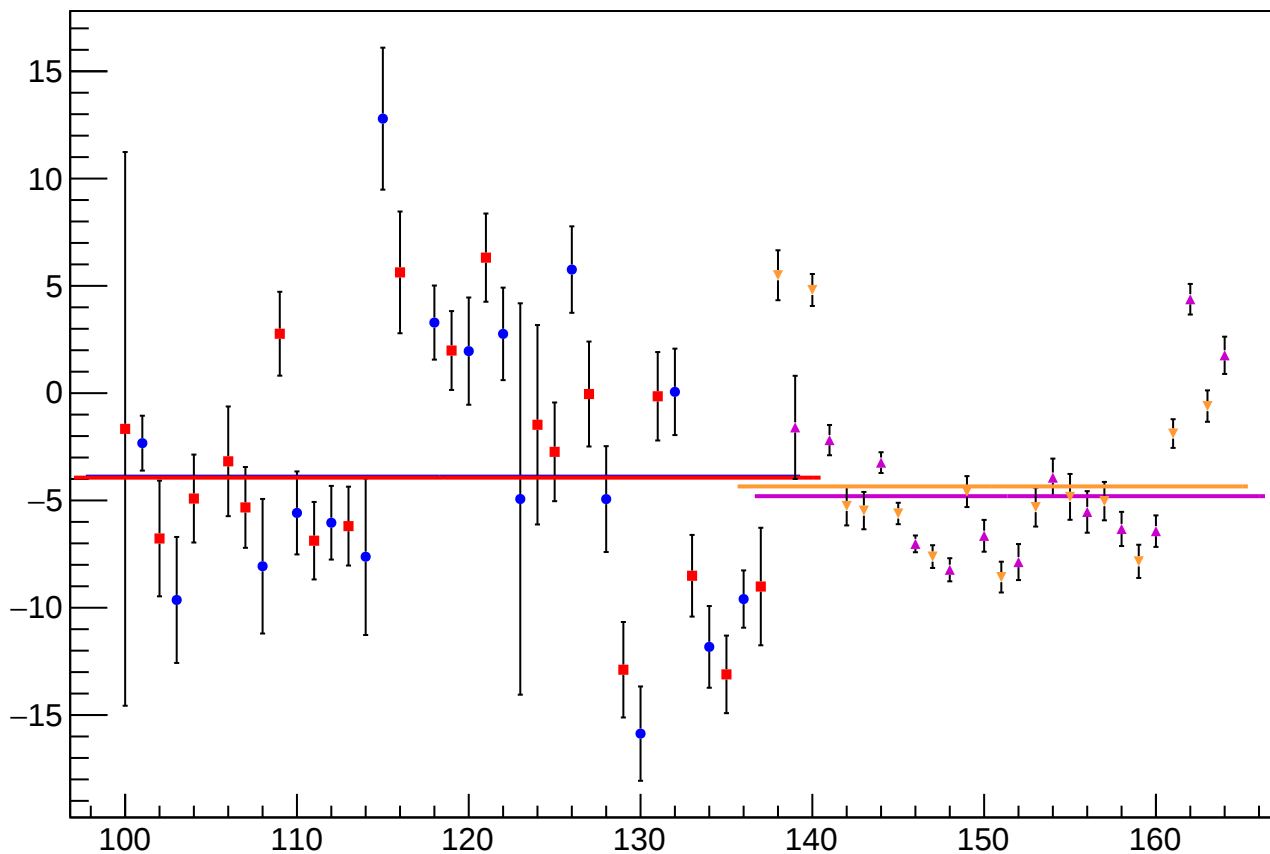
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.699+/-0.273 χ^2/NDF :2470.2/12

Out: -33.329+/-0.284 χ^2/NDF :2057.0/13

All: -31.443+/-0.197 χ^2/NDF : 4612.0/26

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -4.347 ± 0.198 χ^2/NDF : 366.2/13

Right Out: -3.937 ± 0.507 χ^2/NDF : 122.2/18

Left In: -4.801 ± 0.186 χ^2/NDF : 351.1/12

Left: -4.587 ± 0.136 χ^2/NDF : 720.1/26

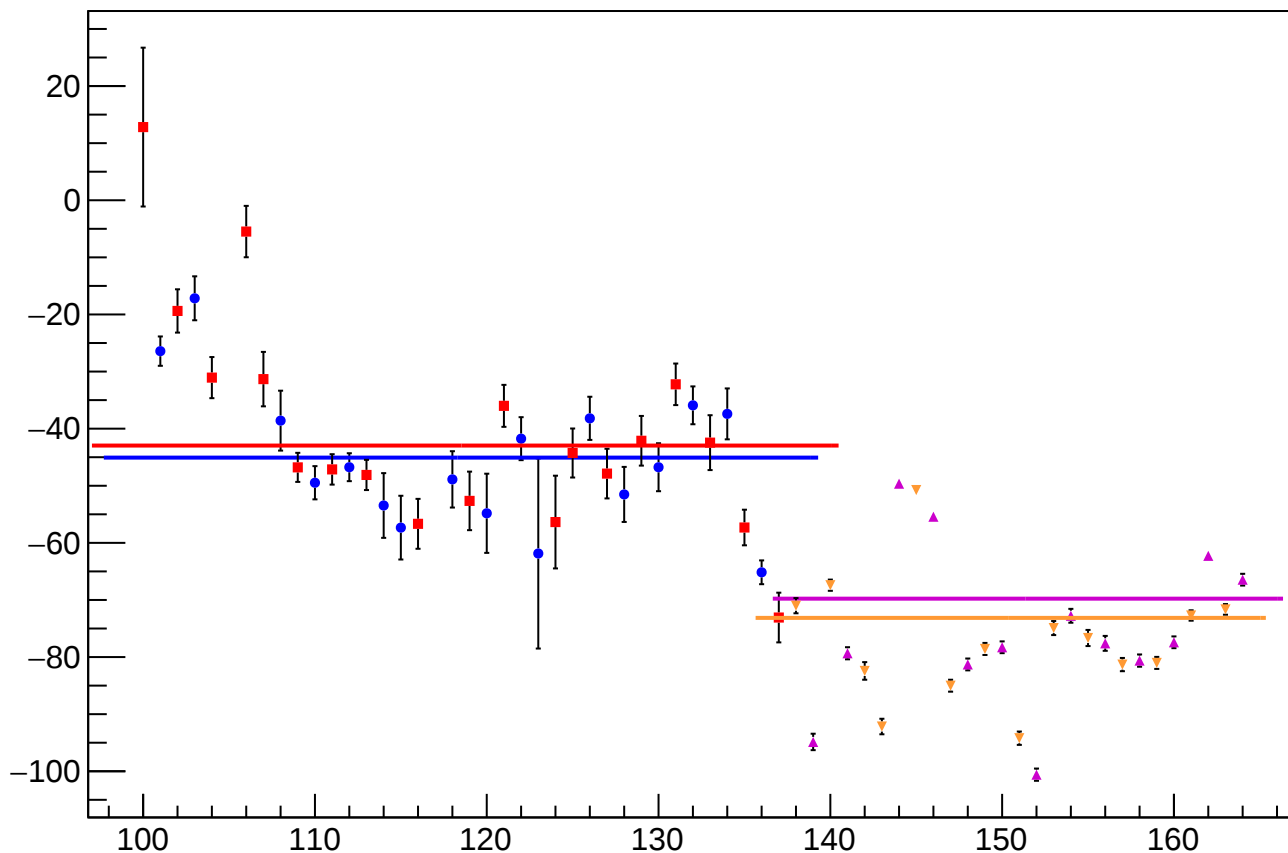
Right: -3.913 ± 0.355 χ^2/NDF : 282.6/35

In: -4.689 ± 0.175 χ^2/NDF : 514.5/29

Out: -4.292 ± 0.184 χ^2/NDF : 488.9/32

All: -4.501 ± 0.127 χ^2/NDF : 1005.9/62

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 $\chi^2/\text{NDF}: 229.7/16$

Left Out: -73.138 ± 0.282 $\chi^2/\text{NDF}: 2032.2/13$

Right Out: -42.959 ± 0.878 $\chi^2/\text{NDF}: 248.3/18$

Left In: -69.772 ± 0.267 $\chi^2/\text{NDF}: 2998.7/12$

Left: -71.366 ± 0.194 $\chi^2/\text{NDF}: 5106.0/26$

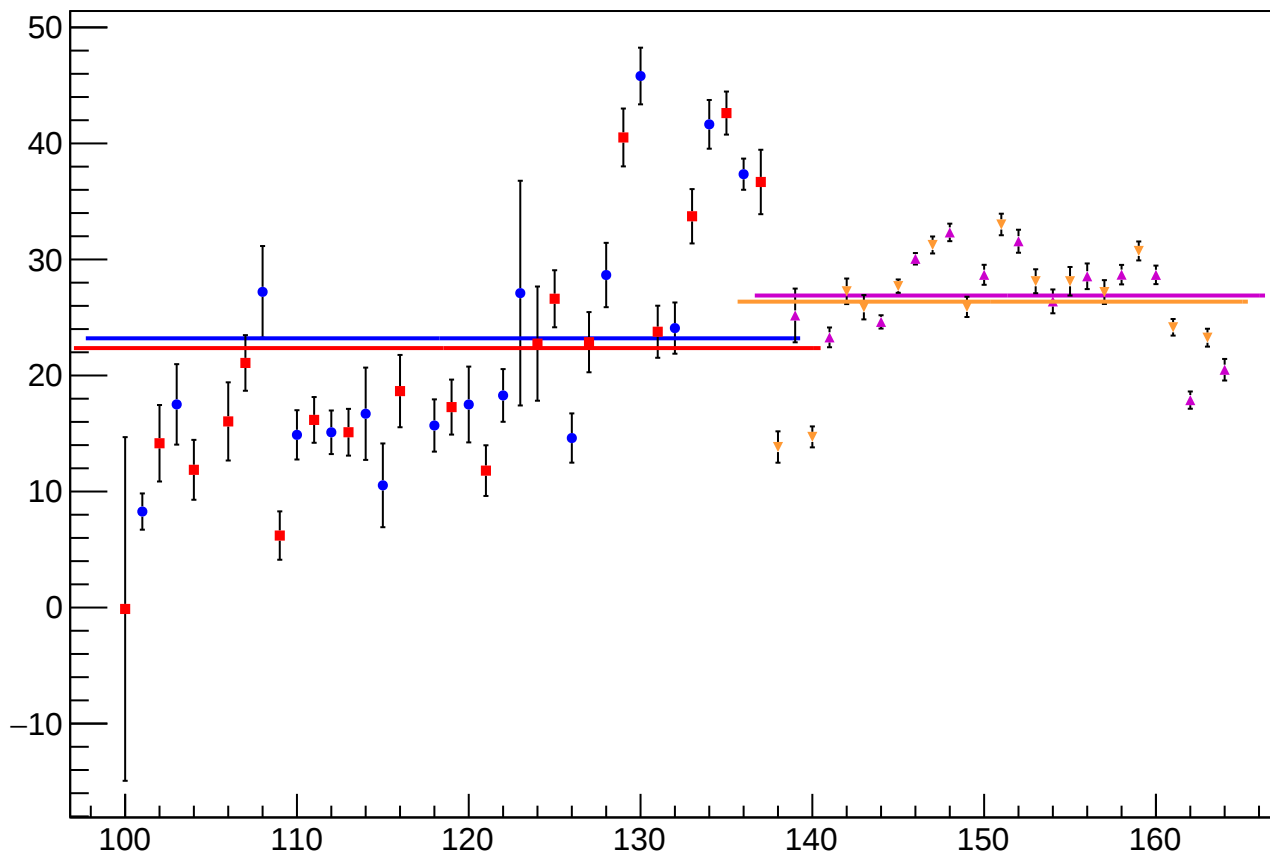
Right: -44.008 ± 0.623 $\chi^2/\text{NDF}: 480.9/35$

In: -67.700 ± 0.256 $\chi^2/\text{NDF}: 3944.8/29$

Out: -70.318 ± 0.268 $\chi^2/\text{NDF}: 3351.9/32$

All: -68.947 ± 0.185 $\chi^2/\text{NDF}: 7346.6/62$

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 26.364 $\pm$ 0.232 χ^2 /NDF: 415.0/13

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

Left In: 26.892 $\pm$ 0.221 χ^2 /NDF: 359.8/12

Left: 26.641 $\pm$ 0.160 χ^2 /NDF: 777.6/26

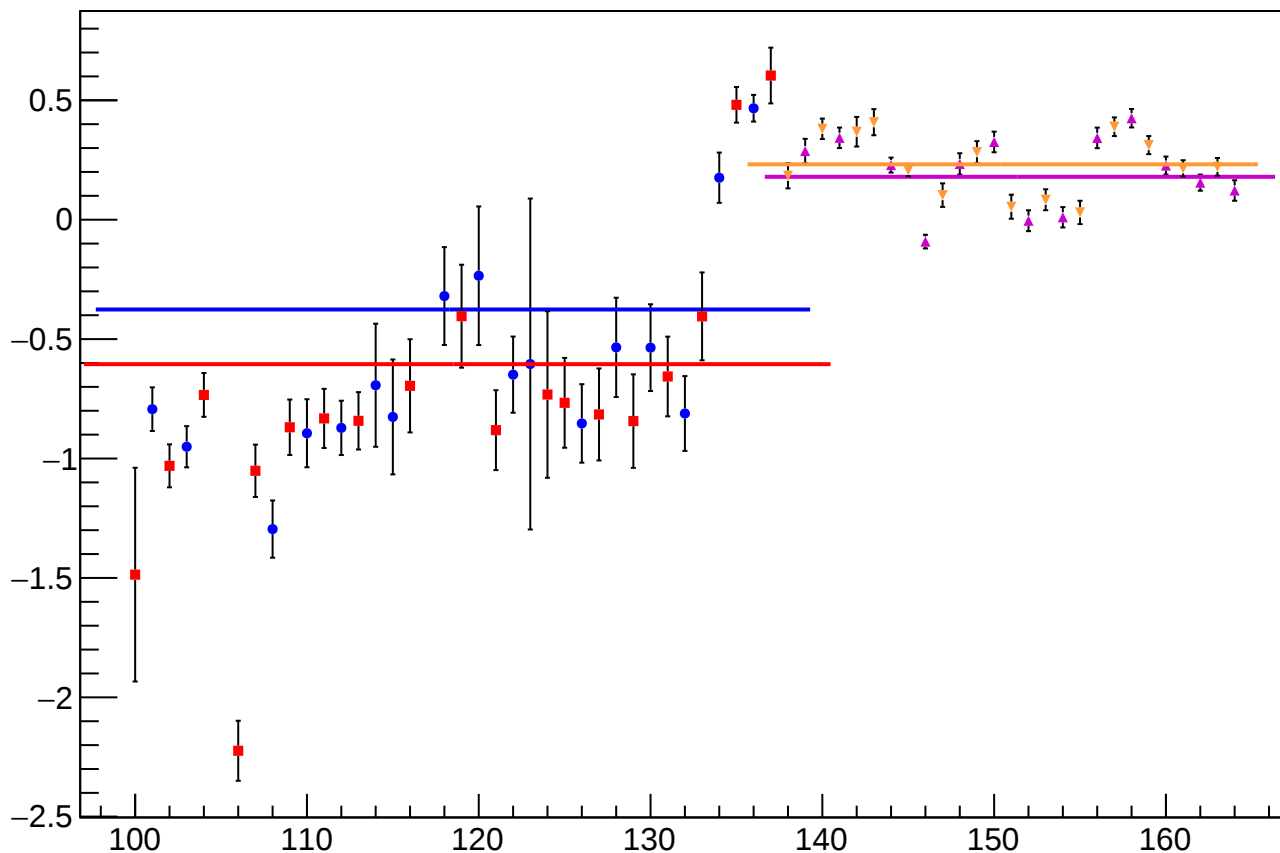
Right: 22.793 $\pm$ 0.400 χ^2 /NDF: 825.2/35

In: 26.394 $\pm$ 0.205 χ^2 /NDF: 854.8/29

Out: 25.799 $\pm$ 0.215 χ^2 /NDF: 823.9/32

All: 26.110 $\pm$ 0.149 χ^2 /NDF: 1682.7/62

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: 0.232 ± 0.011 $\chi^2/\text{NDF}: 99.0/13$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

Left In: 0.180 ± 0.011 $\chi^2/\text{NDF}: 216.0/12$

Left: 0.205 ± 0.008 $\chi^2/\text{NDF}: 326.4/26$

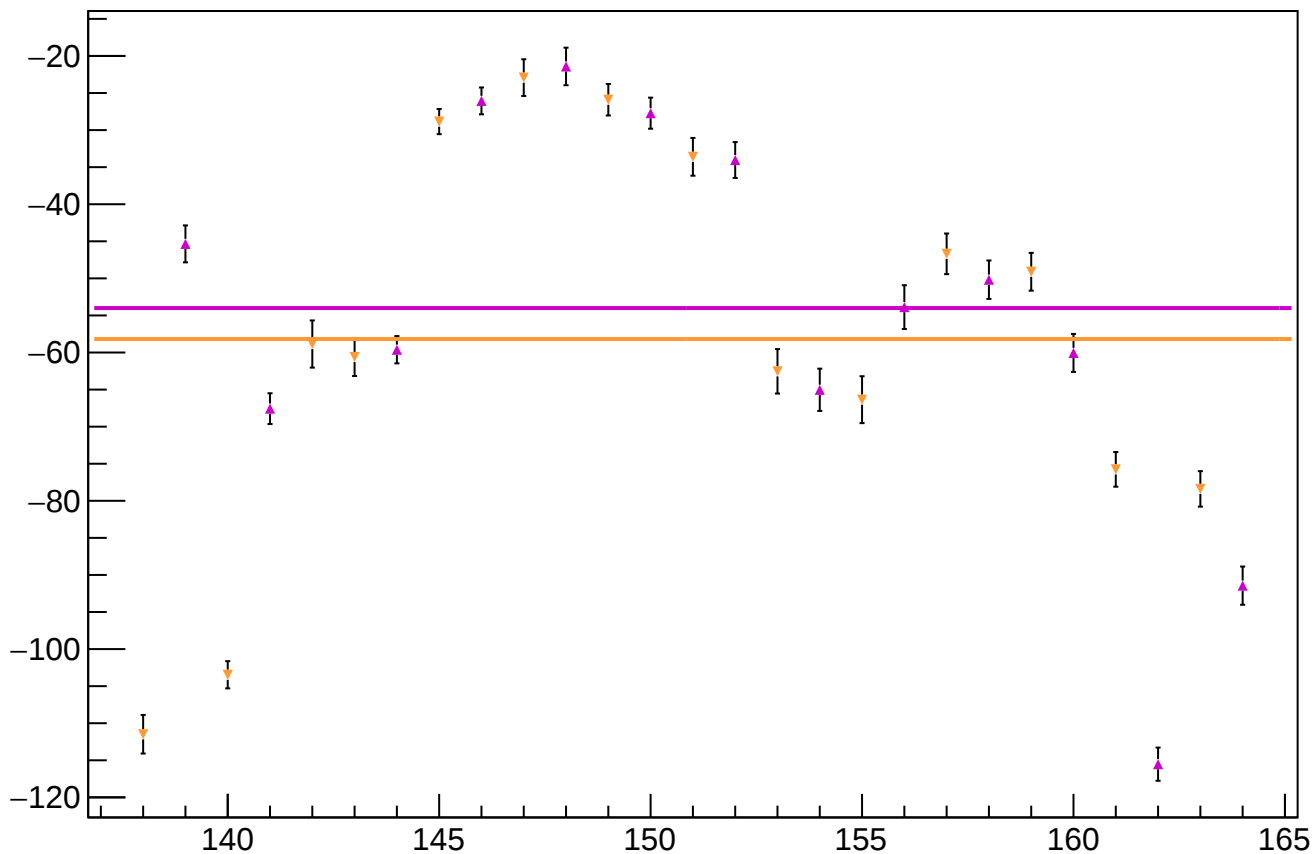
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.2/35$

In: 0.117 ± 0.010 $\chi^2/\text{NDF}: 954.8/29$

Out: 0.133 ± 0.010 $\chi^2/\text{NDF}: 1325.9/32$

All: 0.125 ± 0.007 $\chi^2/\text{NDF}: 2282.0/62$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -58.179+/-0.640 χ^2/NDF :2023.2/13

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

Left In: -54.004+/-0.640 χ^2/NDF :1681.7/12

Left: -56.092+/-0.453 χ^2/NDF : 3726.2/26

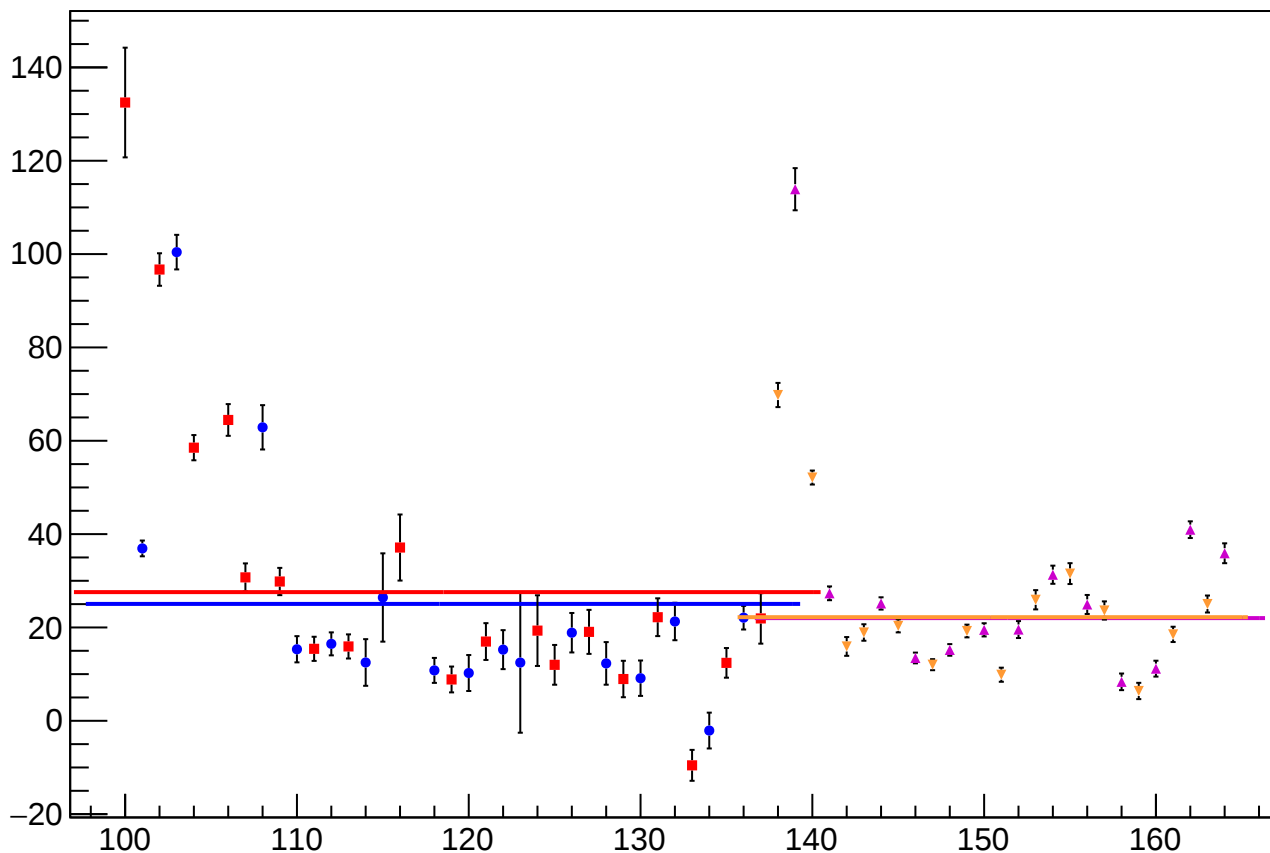
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -54.004+/-0.640 χ^2/NDF :1681.7/12

Out: -58.179+/-0.640 χ^2/NDF :2023.2/13

All: -56.092+/-0.453 χ^2/NDF : 3726.2/26

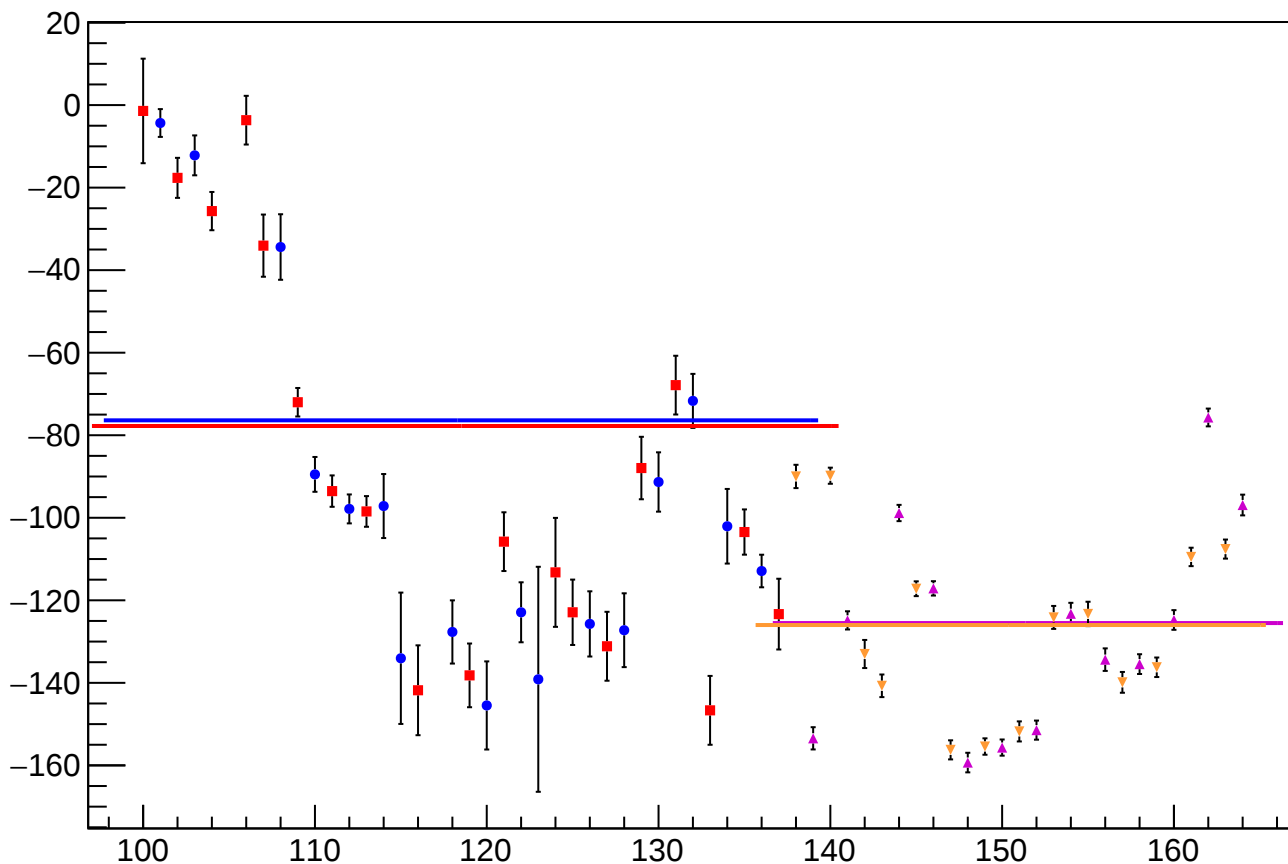
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16
 Left Out: 22.202 ± 0.444 χ^2/NDF : 1006.3/13
 Right Out: 27.573 ± 0.810 χ^2/NDF : 1012.8/18
 Left In: 22.005 ± 0.448 χ^2/NDF : 801.7/12

Left: 22.104 ± 0.315 χ^2/NDF : 1808.1/26
 Right: 26.303 ± 0.571 χ^2/NDF : 1704.1/35
 In: 22.722 ± 0.391 χ^2/NDF : 1499.0/29
 Out: 23.445 ± 0.390 χ^2/NDF : 2052.9/32
 All: 23.085 ± 0.276 χ^2/NDF : 3553.6/62

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -125.989 ± 0.633 $\chi^2/\text{NDF}: 1234.9/13$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

Left In: -125.513 ± 0.625 $\chi^2/\text{NDF}: 1571.2/12$

Left: -125.748 ± 0.445 $\chi^2/\text{NDF}: 2806.4/26$

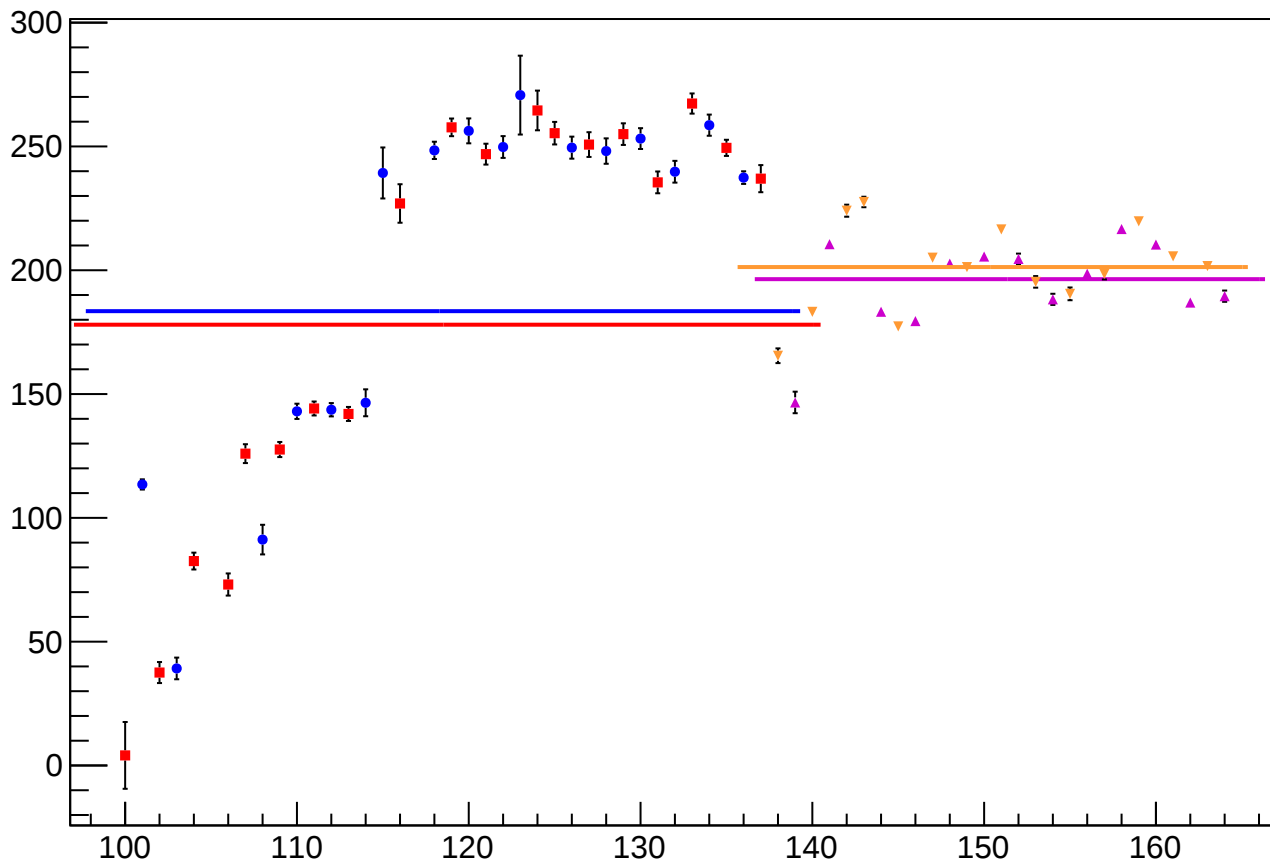
Right: -77.108 ± 0.978 $\chi^2/\text{NDF}: 1905.1/35$

In: -117.496 ± 0.572 $\chi^2/\text{NDF}: 3609.9/29$

Out: -117.329 ± 0.573 $\chi^2/\text{NDF}: 3150.2/32$

All: -117.413 ± 0.405 $\chi^2/\text{NDF}: 6760.1/62$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 201.291 $\pm$ 0.524 χ^2 /NDF: 908.9/13

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

Left In: 196.401 $\pm$ 0.525 χ^2 /NDF: 686.4/12

Left: 198.848 $\pm$ 0.371 χ^2 /NDF: 1638.8/26

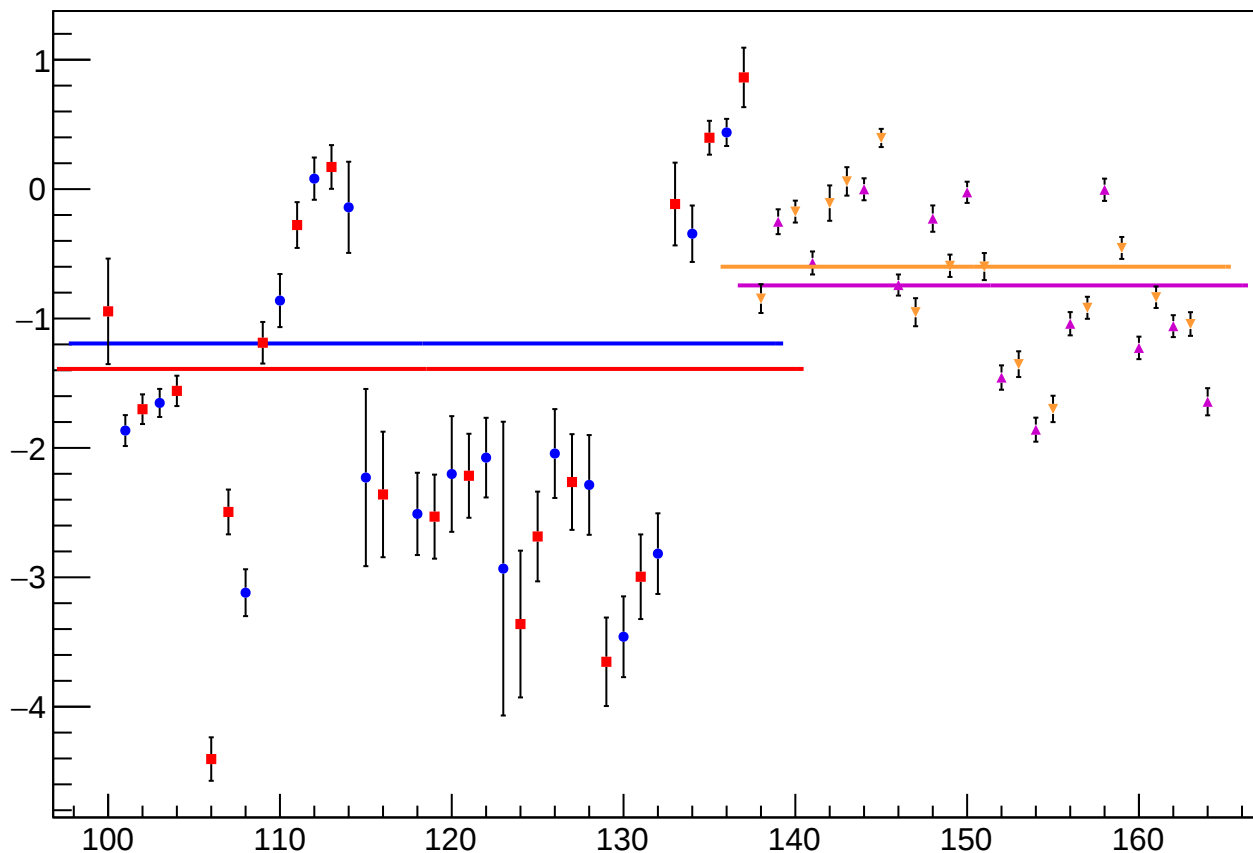
Right: 180.761 $\pm$ 0.651 χ^2 /NDF: 11694.8/35

In: 193.224 $\pm$ 0.456 χ^2 /NDF: 6167.1/29

Out: 195.625 $\pm$ 0.456 χ^2 /NDF: 7734.9/32

All: 194.423 $\pm$ 0.322 χ^2 /NDF: 13915.9/62

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.600 ± 0.025 χ^2/NDF : 511.8/13

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.744 ± 0.025 χ^2/NDF : 613.4/12

Left: -0.672 ± 0.018 χ^2/NDF : 1142.0/26

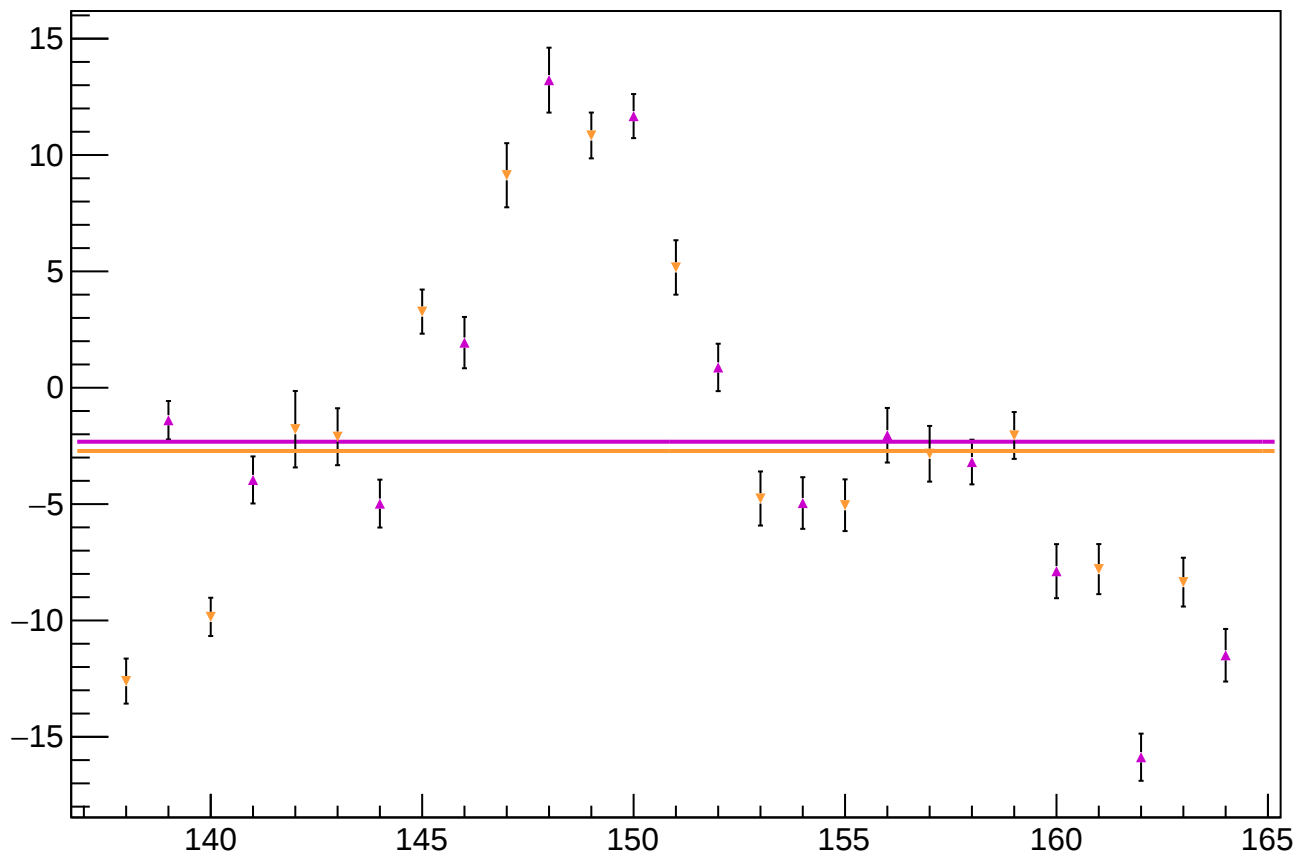
Right: -1.296 ± 0.033 χ^2/NDF : 1551.0/35

In: -0.839 ± 0.022 χ^2/NDF : 1303.6/29

Out: -0.780 ± 0.022 χ^2/NDF : 1661.5/32

All: -0.809 ± 0.016 χ^2/NDF : 2968.6/62

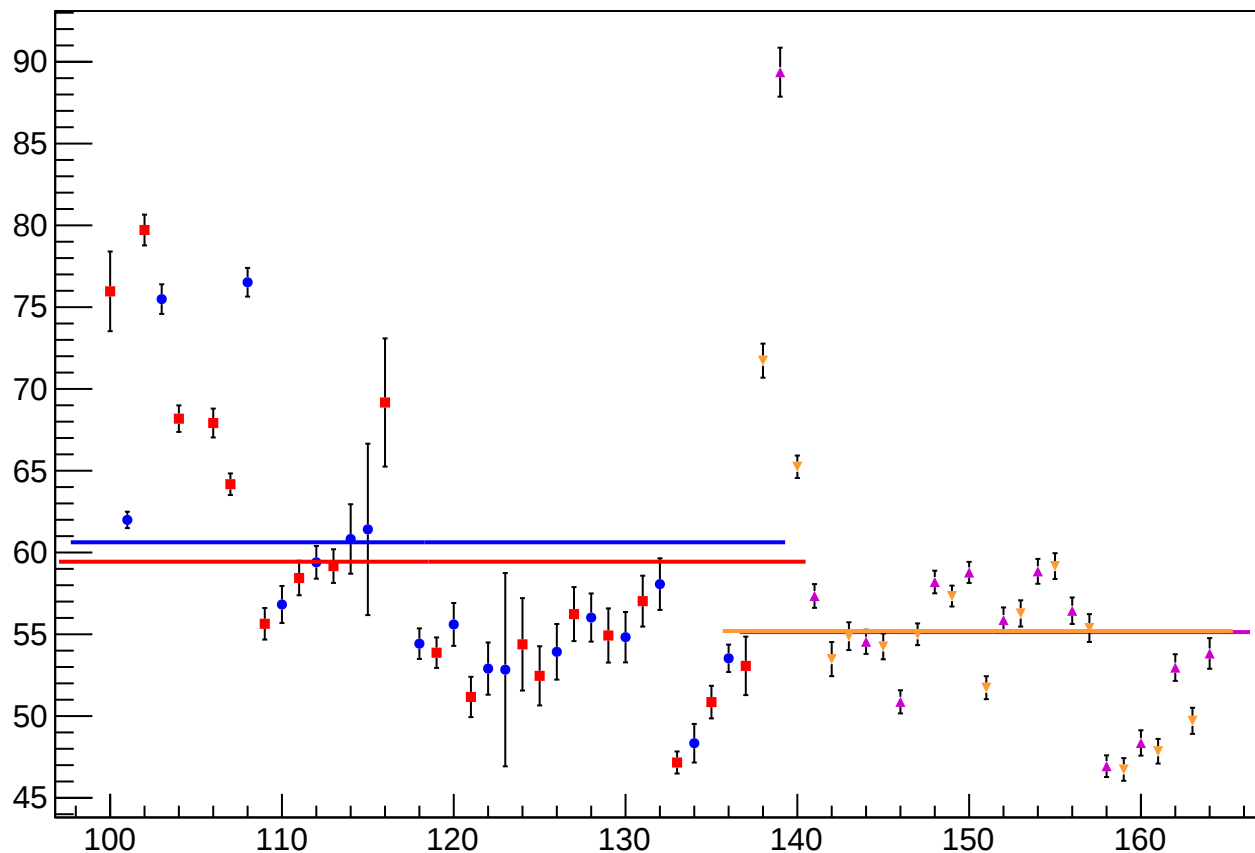
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.717+/-0.289 χ^2/NDF : 588.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.320+/-0.290 χ^2/NDF : 652.0/12

Left: -2.519+/-0.204 χ^2/NDF : 1241.2/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.320+/-0.290 χ^2/NDF : 652.0/12
 Out: -2.717+/-0.289 χ^2/NDF : 588.2/13
 All: -2.519+/-0.204 χ^2/NDF : 1241.2/26

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 55.199 $\pm$ 0.206 χ^2 /NDF: 824.5/13

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

Left In: 55.134 $\pm$ 0.212 χ^2 /NDF: 885.6/12

Left: 55.168 $\pm$ 0.148 χ^2 /NDF: 1710.2/26

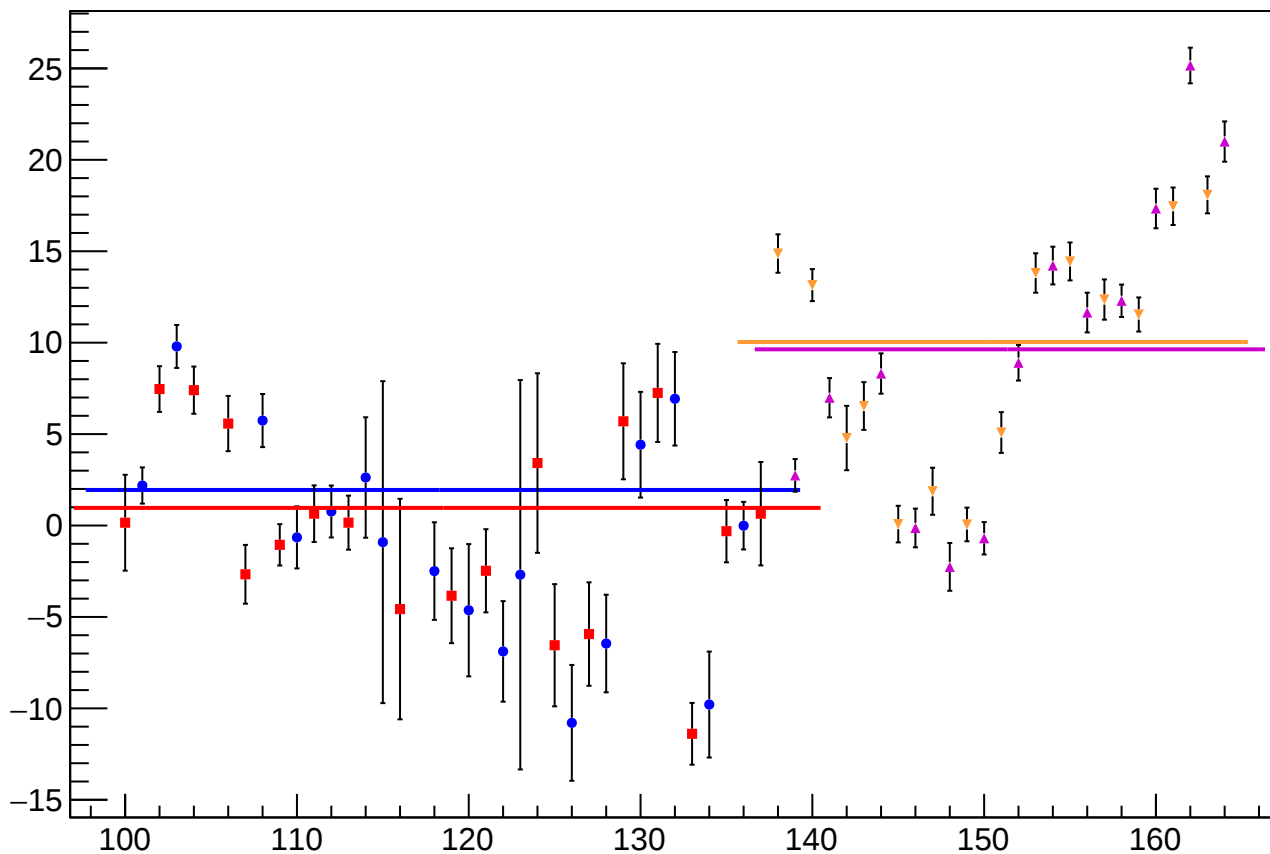
Right: 59.996 $\pm$ 0.180 χ^2 /NDF: 2258.7/35

In: 57.300 $\pm$ 0.165 χ^2 /NDF: 2074.1/29

Out: 56.927 $\pm$ 0.158 χ^2 /NDF: 2321.2/32

All: 57.105 $\pm$ 0.114 χ^2 /NDF: 4397.9/62

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 $\pm$ 0.459 χ^2 /NDF: 120.6/16

Left Out: 10.036 $\pm$ 0.284 χ^2 /NDF:479.3/13

Right Out: 0.964 $\pm$ 0.424 χ^2 /NDF: 149.5/18

Left In: 9.636 $\pm$ 0.282 χ^2 /NDF:814.4/12

Left: 9.835 $\pm$ 0.200 χ^2 /NDF: 1294.6/26

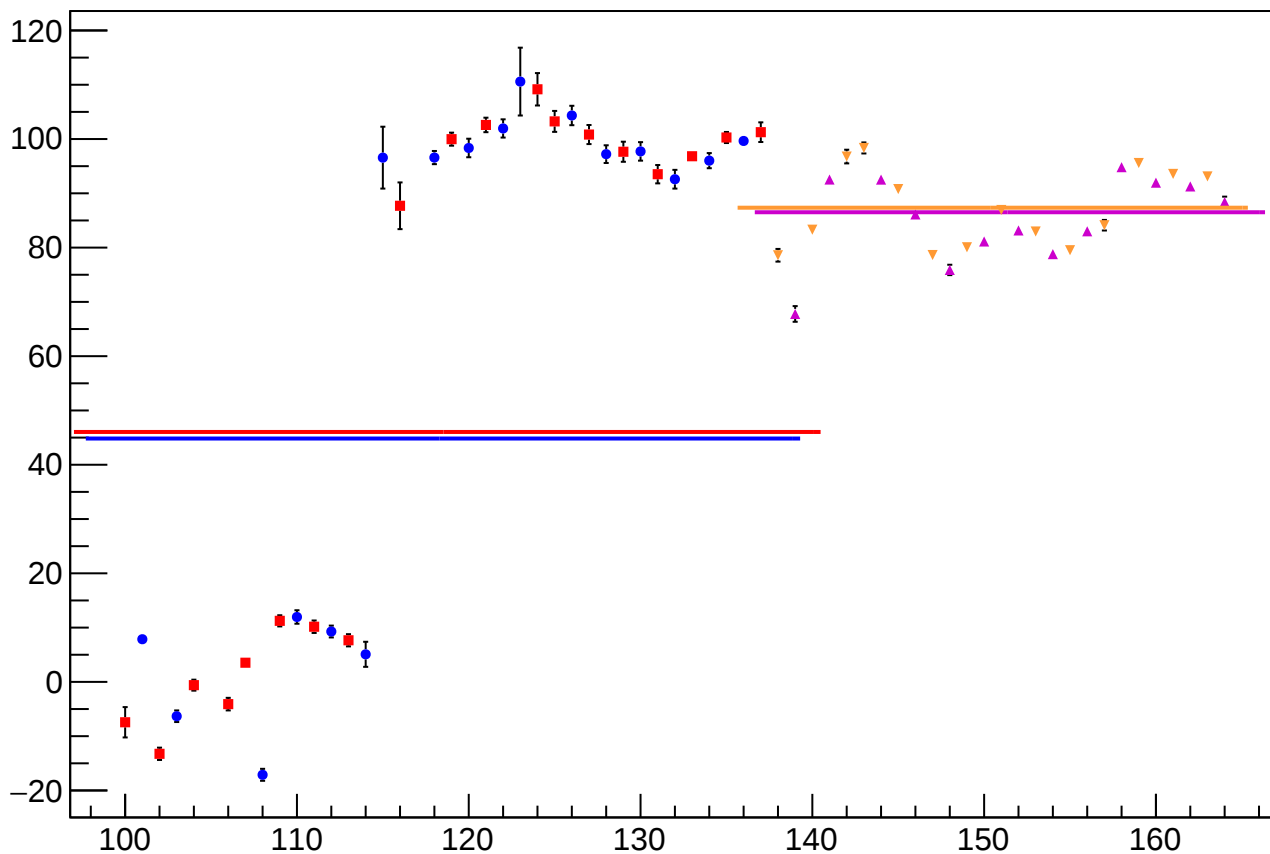
Right: 1.416 $\pm$ 0.312 χ^2 /NDF: 272.6/35

In: 7.523 $\pm$ 0.240 χ^2 /NDF:1138.7/29

Out: 7.229 $\pm$ 0.236 χ^2 /NDF:944.4/32

All: 7.373 $\pm$ 0.168 χ^2 /NDF: 2083.9/62

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.351 $\pm$ 0.239 χ^2 /NDF: 794.8/13

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

Left In: 86.513 $\pm$ 0.243 χ^2 /NDF: 763.7/12

Left: 86.940 $\pm$ 0.170 χ^2 /NDF: 1564.6/26

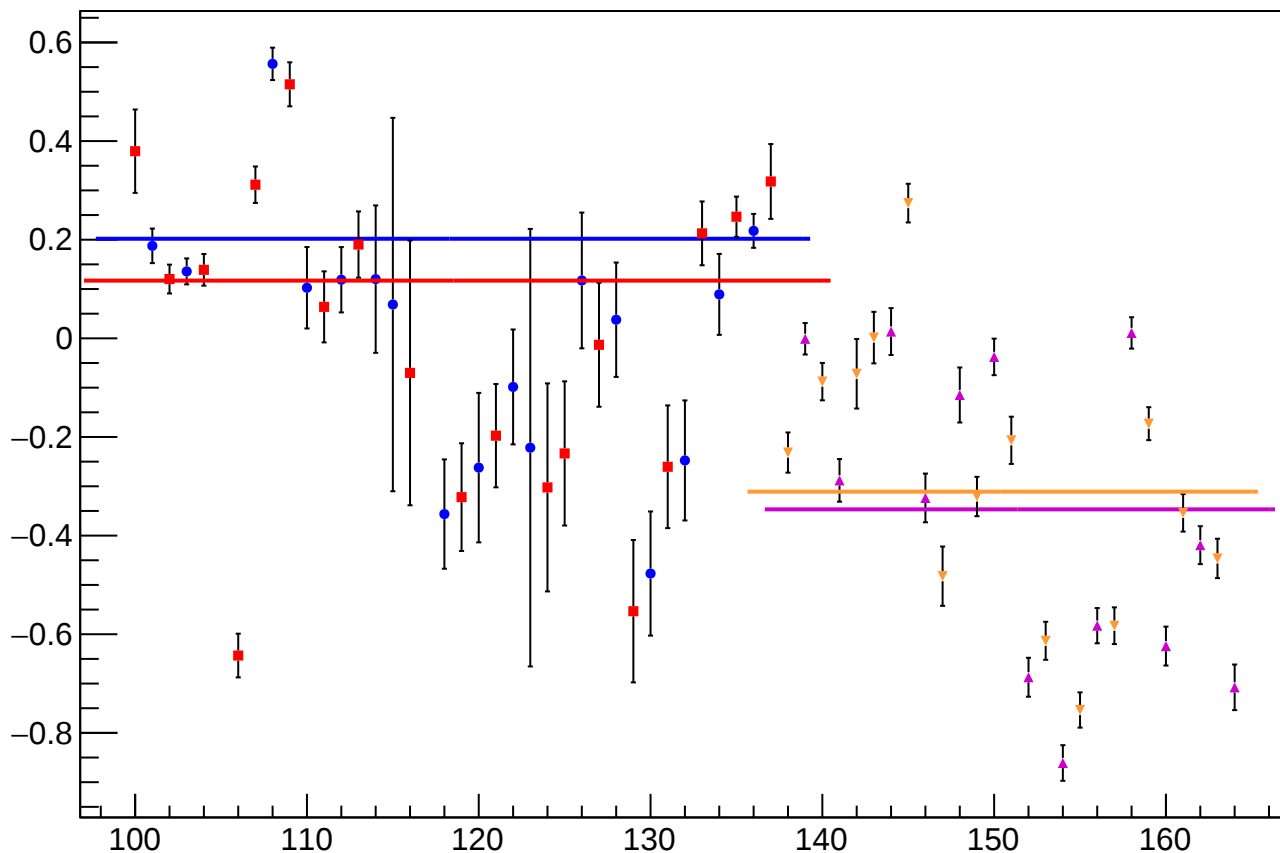
Right: 45.465 $\pm$ 0.210 χ^2 /NDF: 53034.8/35

In: 70.272 $\pm$ 0.190 χ^2 /NDF: 36953.4/29

Out: 70.620 $\pm$ 0.184 χ^2 /NDF: 41176.6/32

All: 70.451 $\pm$ 0.132 χ^2 /NDF: 78131.7/62

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.311 ± 0.011 χ^2/NDF : 619.1/13

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

Left In: -0.347 ± 0.011 χ^2/NDF : 825.2/12

Left: -0.329 ± 0.008 χ^2/NDF : 1449.7/26

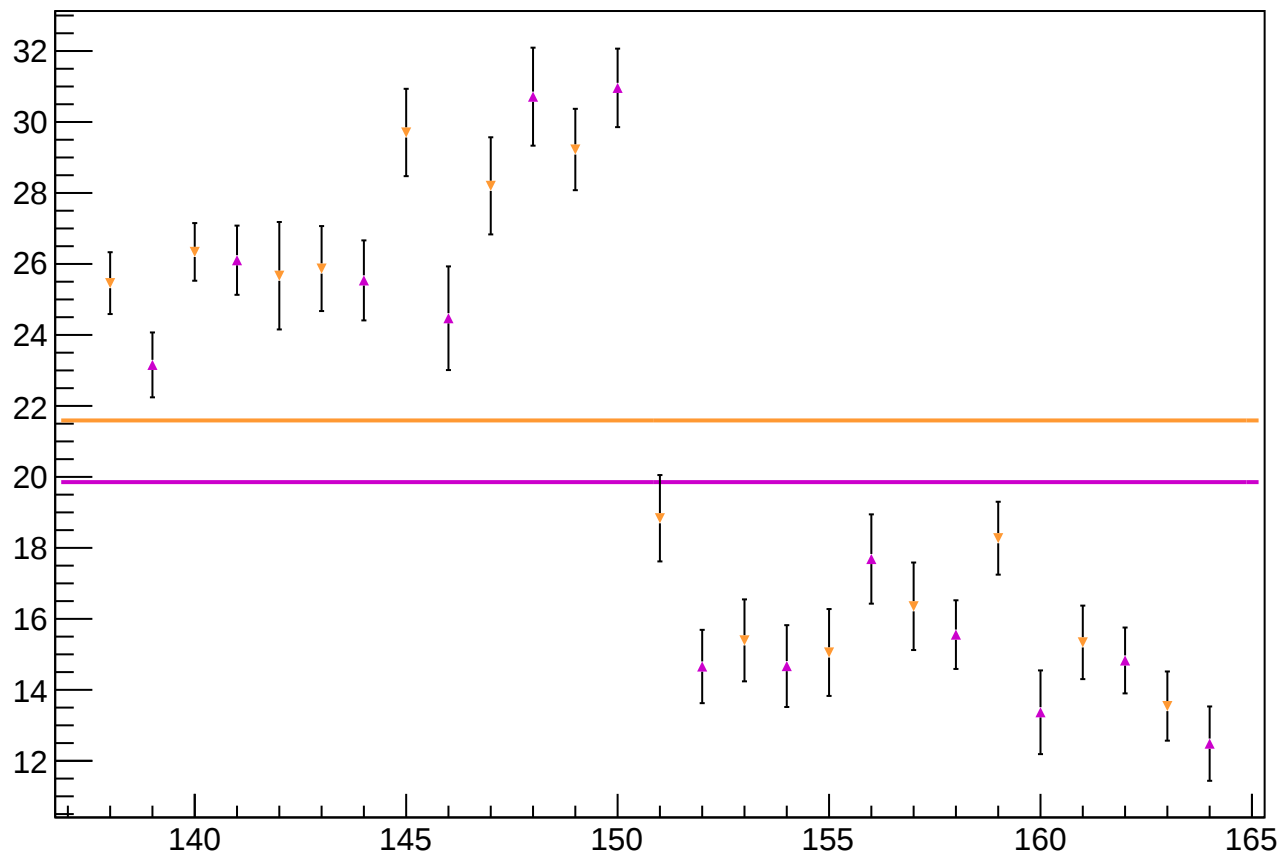
Right: 0.156 ± 0.010 χ^2/NDF : 735.2/35

In: -0.140 ± 0.009 χ^2/NDF : 1992.0/29

Out: -0.133 ± 0.008 χ^2/NDF : 1748.1/32

All: -0.136 ± 0.006 χ^2/NDF : 3740.4/62

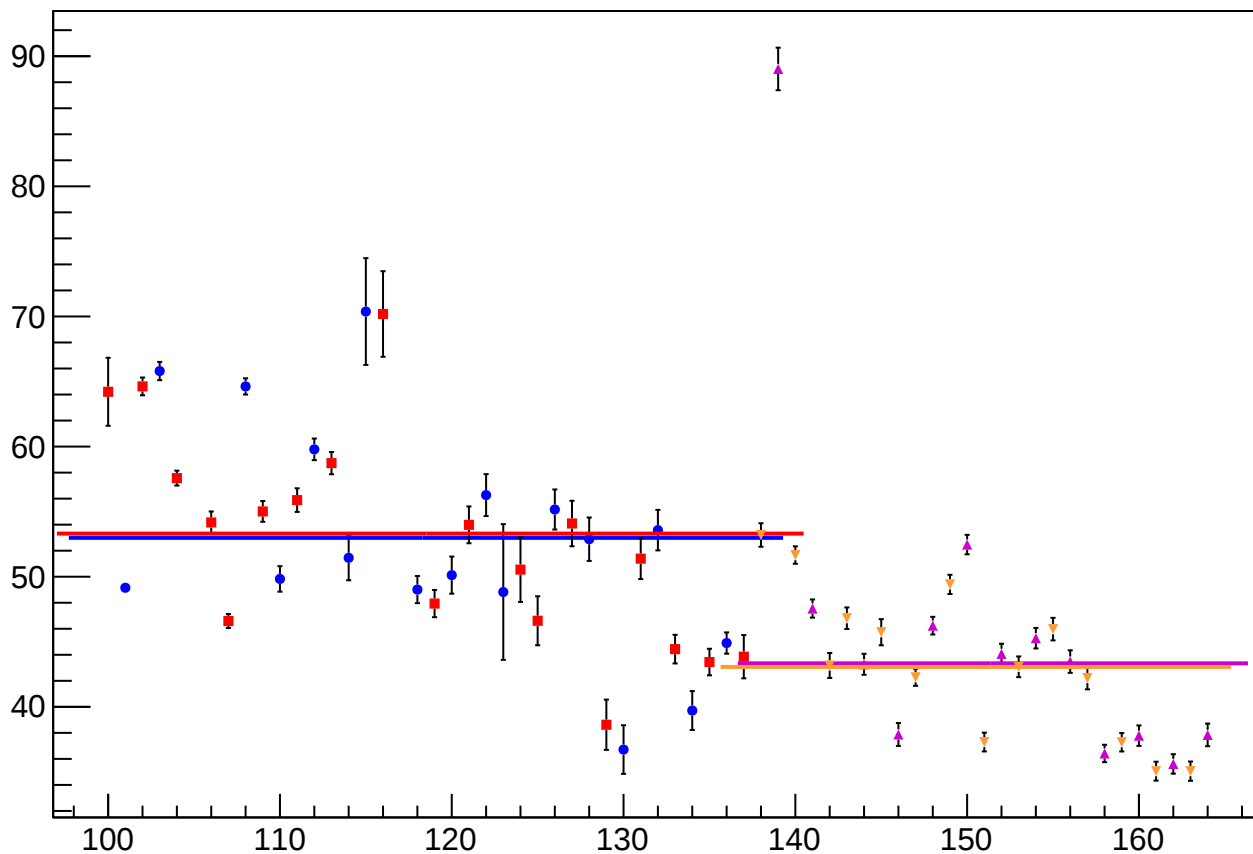
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.591 $\pm$ 0.294 χ^2 /NDF:380.7/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.853 $\pm$ 0.301 χ^2 /NDF:429.7/12

Left: 20.744 $\pm$ 0.210 χ^2 /NDF: 827.4/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.853 $\pm$ 0.301 χ^2 /NDF:429.7/12
 Out: 21.591 $\pm$ 0.294 χ^2 /NDF:380.7/13
 All: 20.744 $\pm$ 0.210 χ^2 /NDF: 827.4/26

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: 43.067 $\pm$ 0.208 χ^2 /NDF: 774.7/13

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

Left In: 43.344 $\pm$ 0.219 χ^2 /NDF: 1334.4/12

Left: 43.198 $\pm$ 0.151 χ^2 /NDF: 2110.0/26

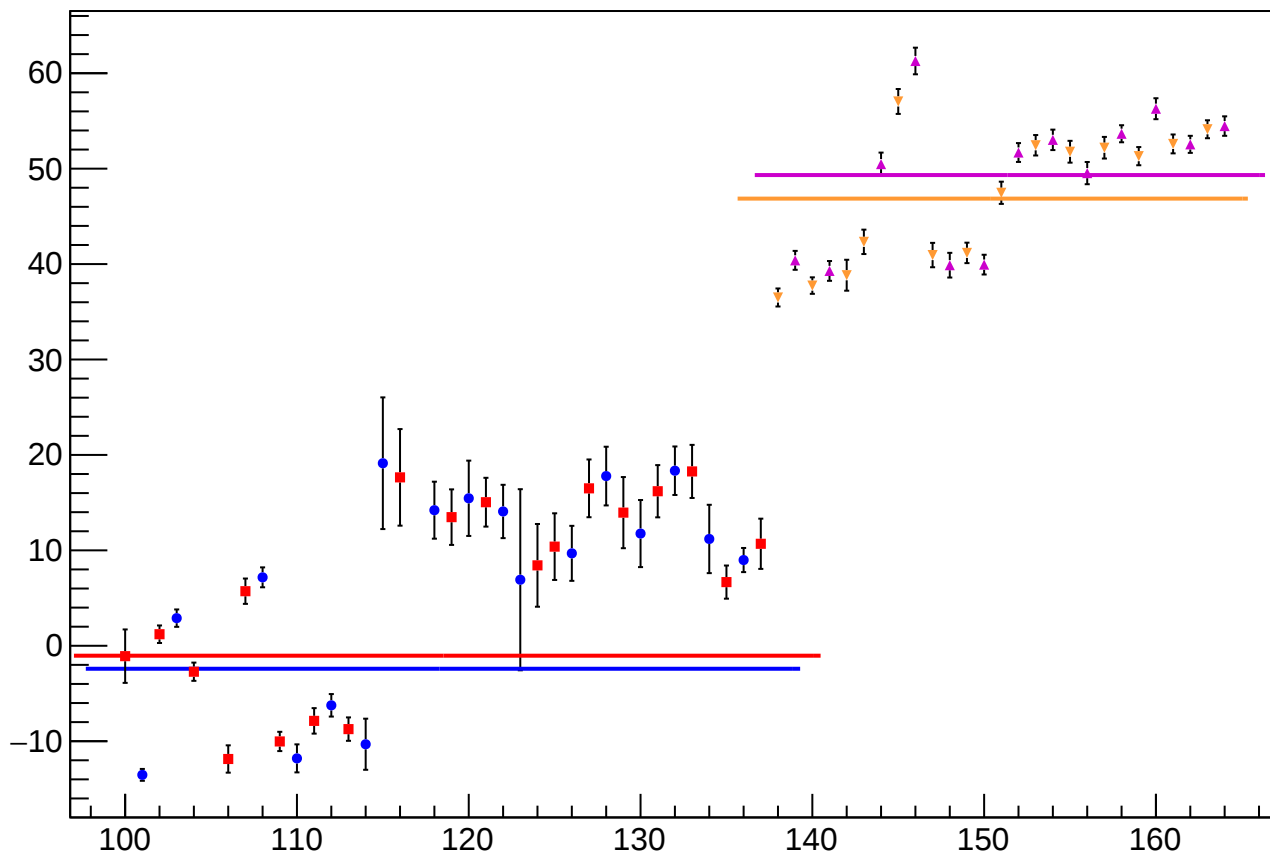
Right: 53.140 $\pm$ 0.154 χ^2 /NDF: 2074.7/35

In: 48.355 $\pm$ 0.152 χ^2 /NDF: 3537.5/29

Out: 47.762 $\pm$ 0.153 χ^2 /NDF: 2757.2/32

All: 48.061 $\pm$ 0.108 χ^2 /NDF: 6302.3/62

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 46.860 ± 0.290 χ^2/NDF : 562.1/13

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

Left In: 49.329 ± 0.293 χ^2/NDF : 504.7/12

Left: 48.078 ± 0.206 χ^2/NDF : 1102.6/26

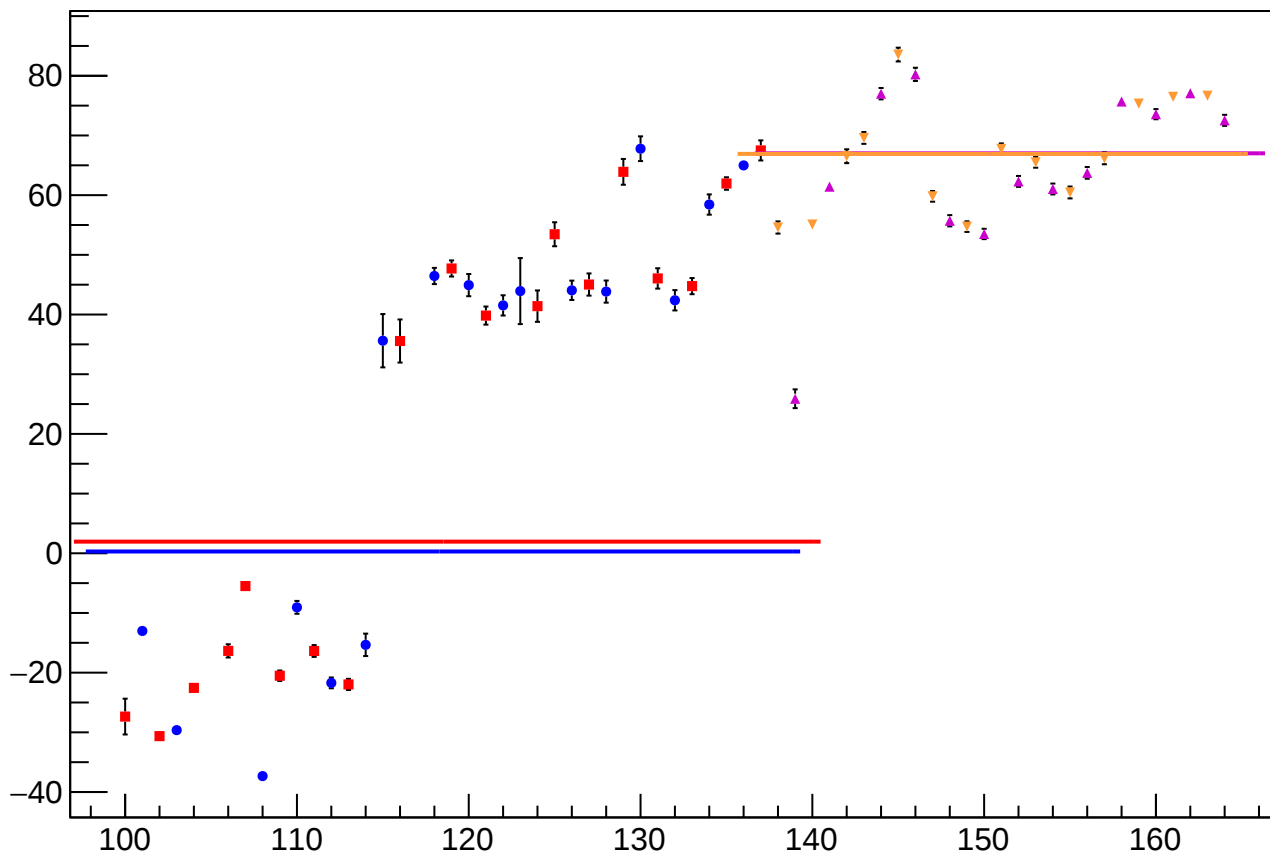
Right: -1.748 ± 0.262 χ^2/NDF : 1349.0/35

In: 28.968 ± 0.229 χ^2/NDF : 13570.3/29

Out: 29.091 ± 0.230 χ^2/NDF : 11221.2/32

All: 29.030 ± 0.162 χ^2/NDF : 24791.6/62

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300+/-0.247 χ^2/NDF : 18259.2/16

Left Out: 66.916+/-0.242 χ^2/NDF :1307.2/13

Right Out: 1.952+/-0.267 χ^2/NDF : 15450.6/18

Left In: 67.011+/-0.251 χ^2/NDF :1862.0/12

Left: 66.961+/-0.174 χ^2/NDF : 3169.2/26

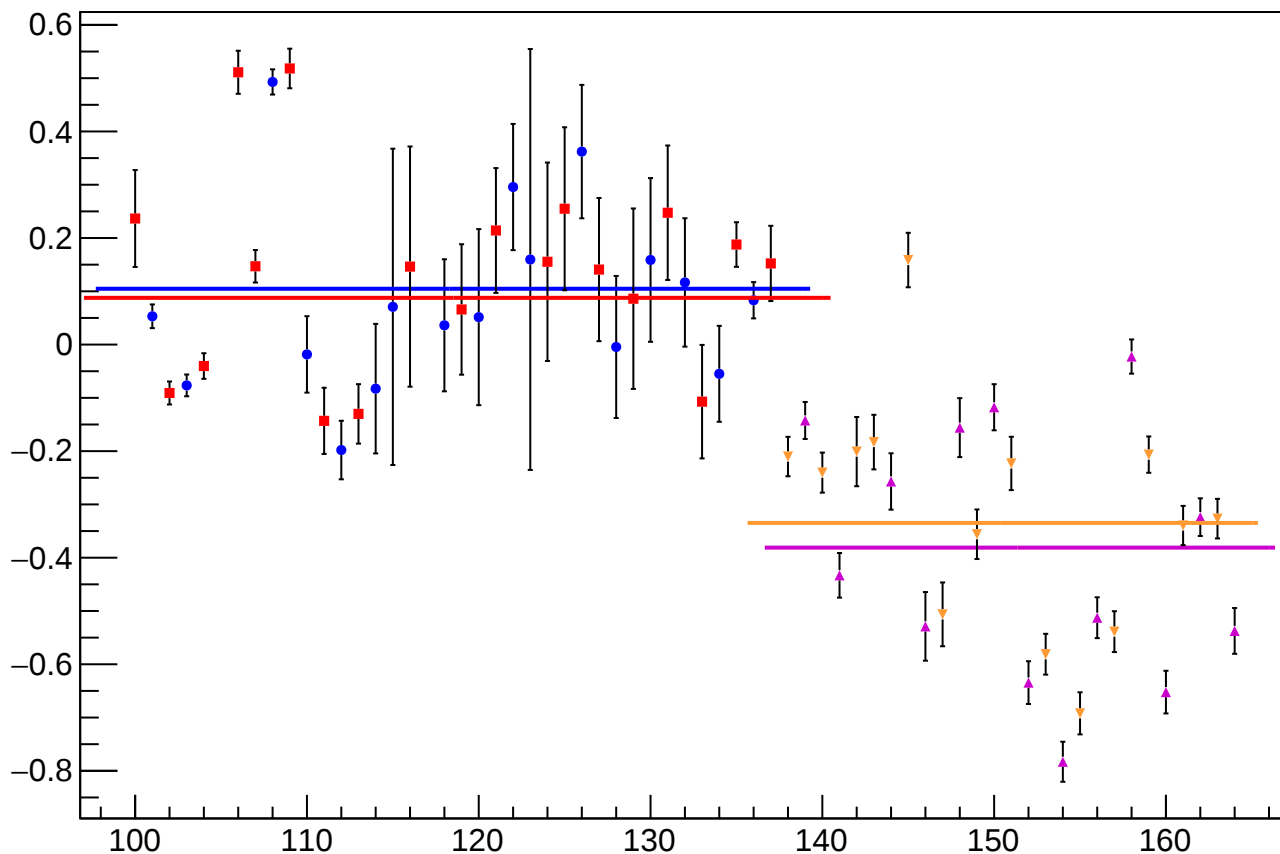
Right: 1.065+/-0.181 χ^2/NDF : 33730.4/35

In: 33.149+/-0.176 χ^2/NDF :55918.6/29

Out: 37.512+/-0.179 χ^2/NDF :49252.8/32

All: 35.292+/-0.126 χ^2/NDF : 105472.5/62

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.335 ± 0.011 χ^2/NDF : 303.0/13

Right Out: 0.088 ± 0.011 χ^2/NDF : 390.9/18

Left In: -0.381 ± 0.011 χ^2/NDF : 465.7/12

Left: -0.358 ± 0.008 χ^2/NDF : 777.1/26

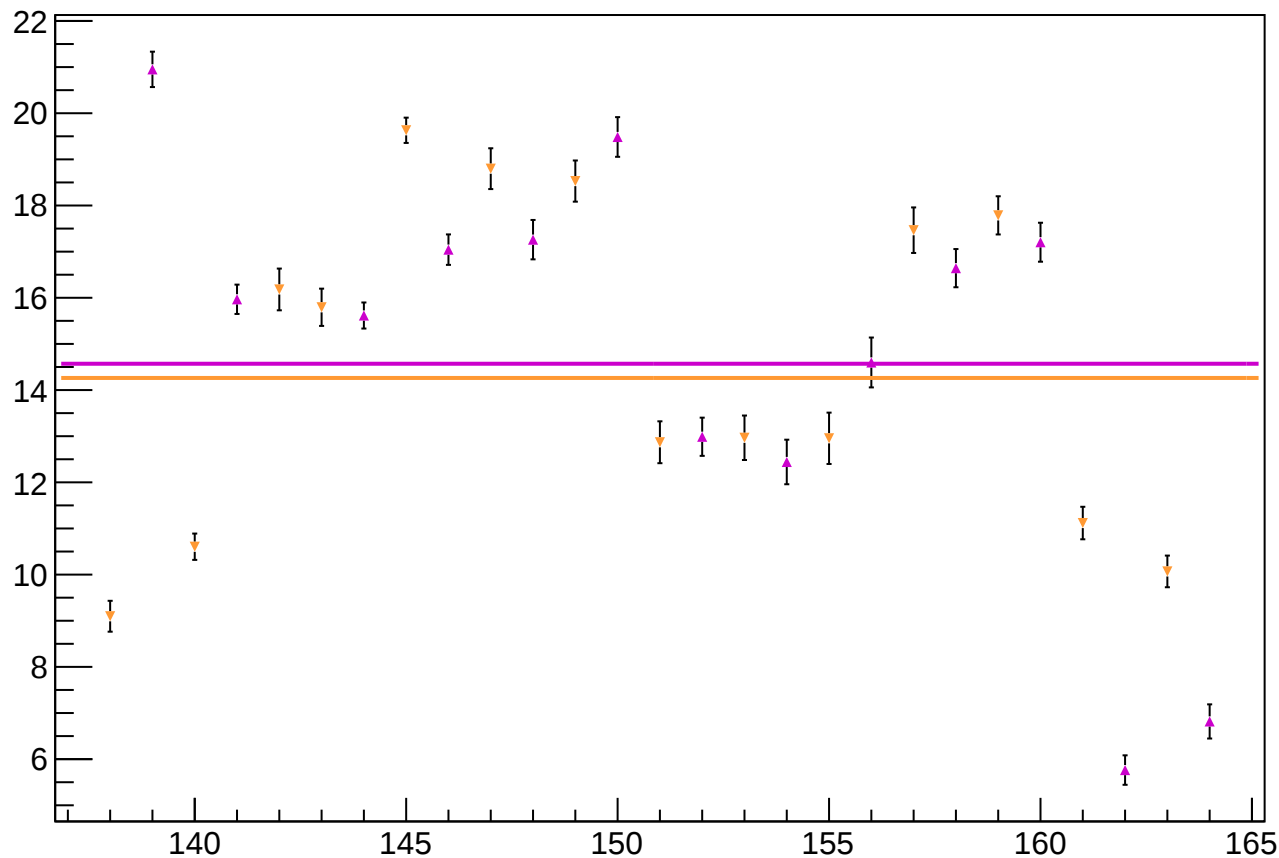
Right: 0.096 ± 0.008 χ^2/NDF : 792.8/35

In: -0.132 ± 0.008 χ^2/NDF : 1810.7/29

Out: -0.119 ± 0.008 χ^2/NDF : 1414.3/32

All: -0.126 ± 0.006 χ^2/NDF : 3226.3/62

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.262 $\pm$ 0.103 χ^2 /NDF:1381.0/13

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

Left In: 14.570 $\pm$ 0.105 χ^2 /NDF:1832.7/12

Left: 14.414 $\pm$ 0.073 χ^2 /NDF: 3218.2/26

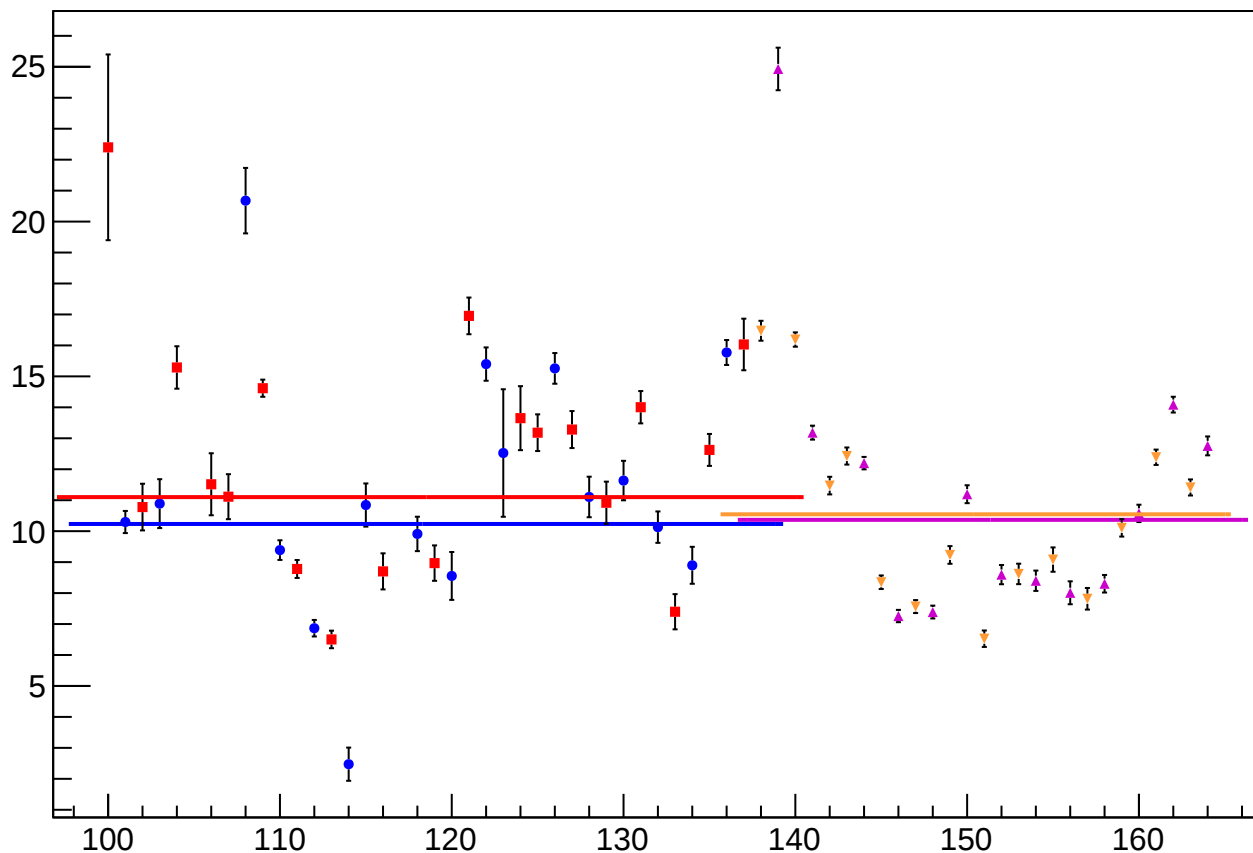
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 14.570 $\pm$ 0.105 χ^2 /NDF:1832.7/12

Out: 14.262 $\pm$ 0.103 χ^2 /NDF:1381.0/13

All: 14.414 $\pm$ 0.073 χ^2 /NDF: 3218.2/26

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 10.544 $\pm$ 0.072 χ^2 /NDF:1722.0/13

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

Left In: 10.366 $\pm$ 0.073 χ^2 /NDF:1582.3/12

Left: 10.456 $\pm$ 0.052 χ^2 /NDF: 3307.3/26

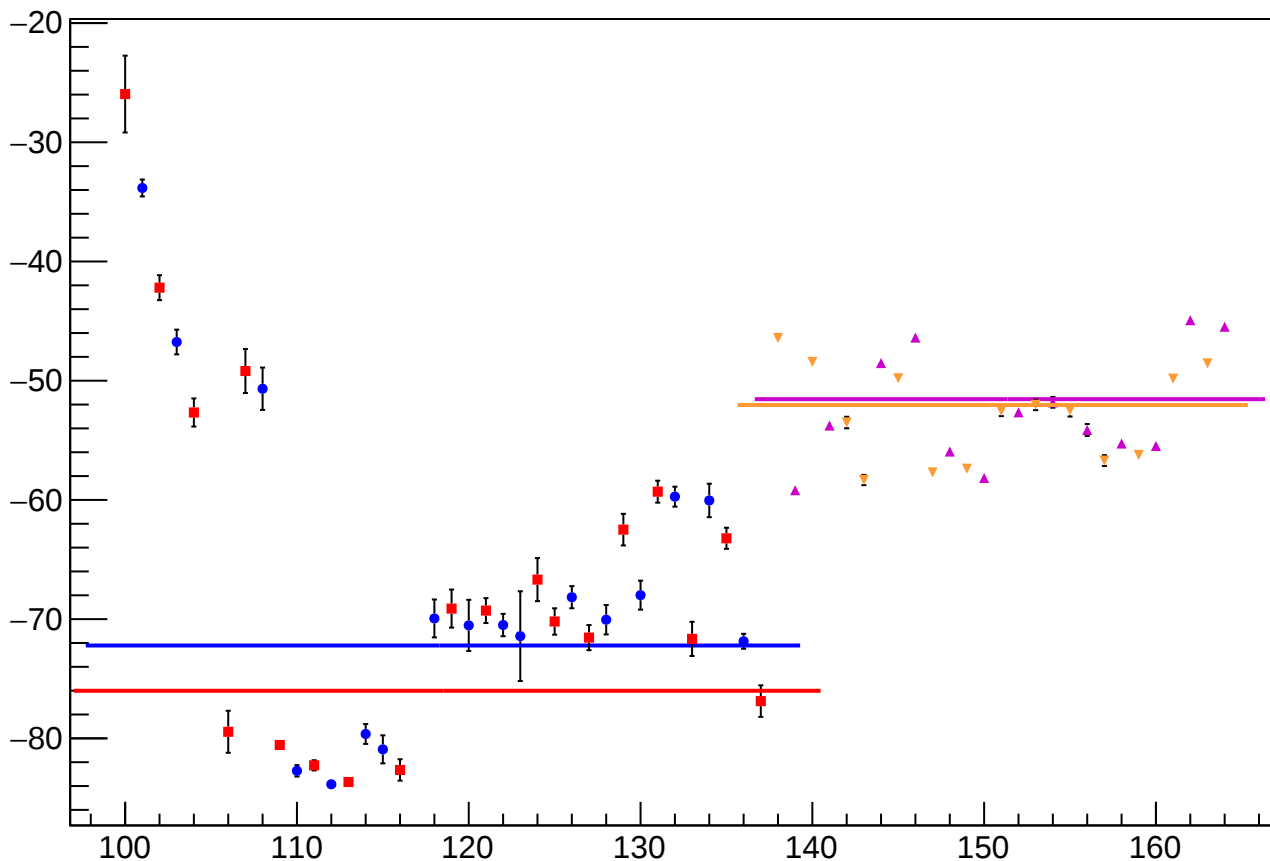
Right: 10.677 $\pm$ 0.083 χ^2 /NDF: 1721.6/35

In: 10.329 $\pm$ 0.063 χ^2 /NDF:2460.0/29

Out: 10.699 $\pm$ 0.061 χ^2 /NDF:2556.2/32

All: 10.518 $\pm$ 0.044 χ^2 /NDF: 5034.0/62

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: -52.036 ± 0.103 $\chi^2/\text{NDF}: 1394.8/13$

Right Out: -76.009 ± 0.181 $\chi^2/\text{NDF}: 3463.3/18$

Left In: -51.547 ± 0.103 $\chi^2/\text{NDF}: 2114.8/12$

Left: -51.792 ± 0.073 $\chi^2/\text{NDF}: 3520.9/26$

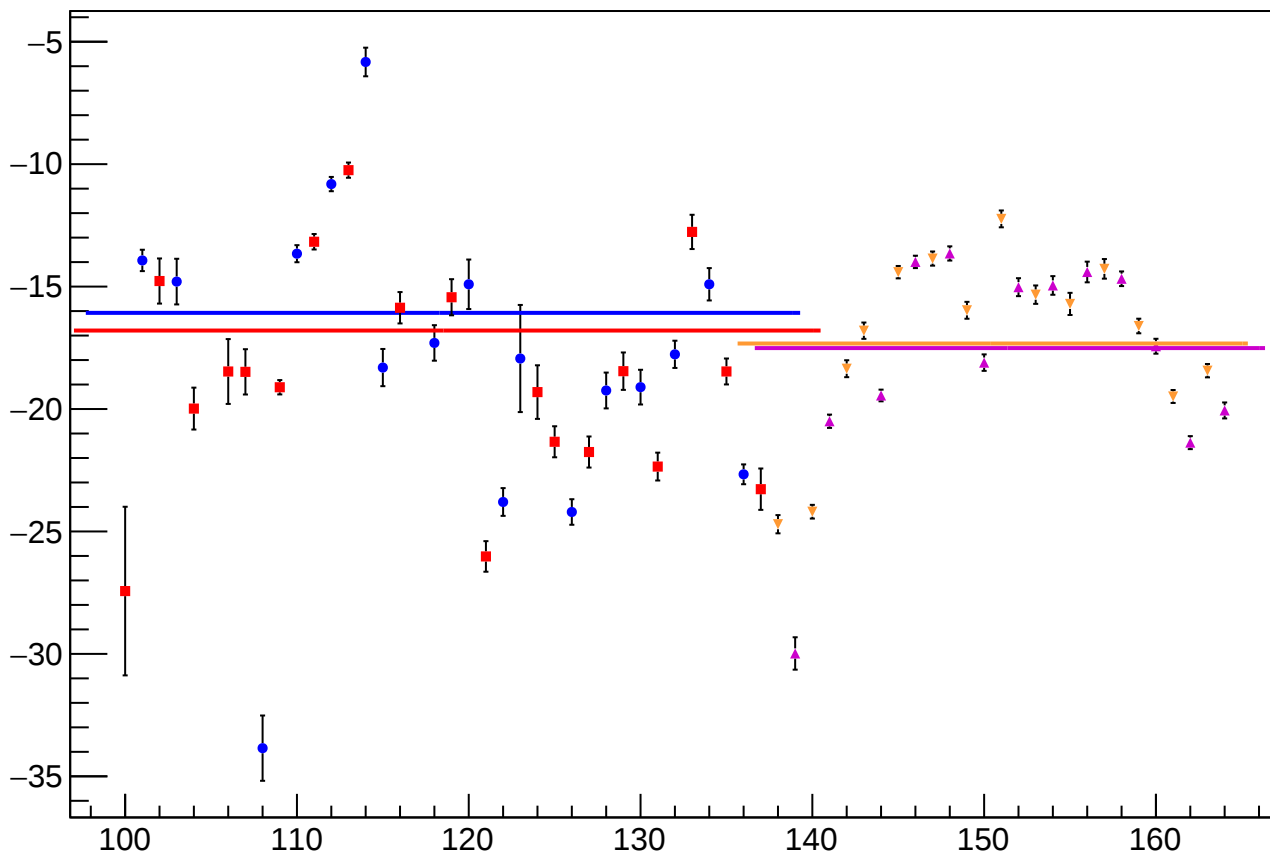
Right: -74.280 ± 0.134 $\chi^2/\text{NDF}: 9230.0/35$

In: -55.930 ± 0.091 $\chi^2/\text{NDF}: 16263.5/29$

Out: -57.869 ± 0.089 $\chi^2/\text{NDF}: 18134.4/32$

All: -56.920 ± 0.064 $\chi^2/\text{NDF}: 34628.9/62$

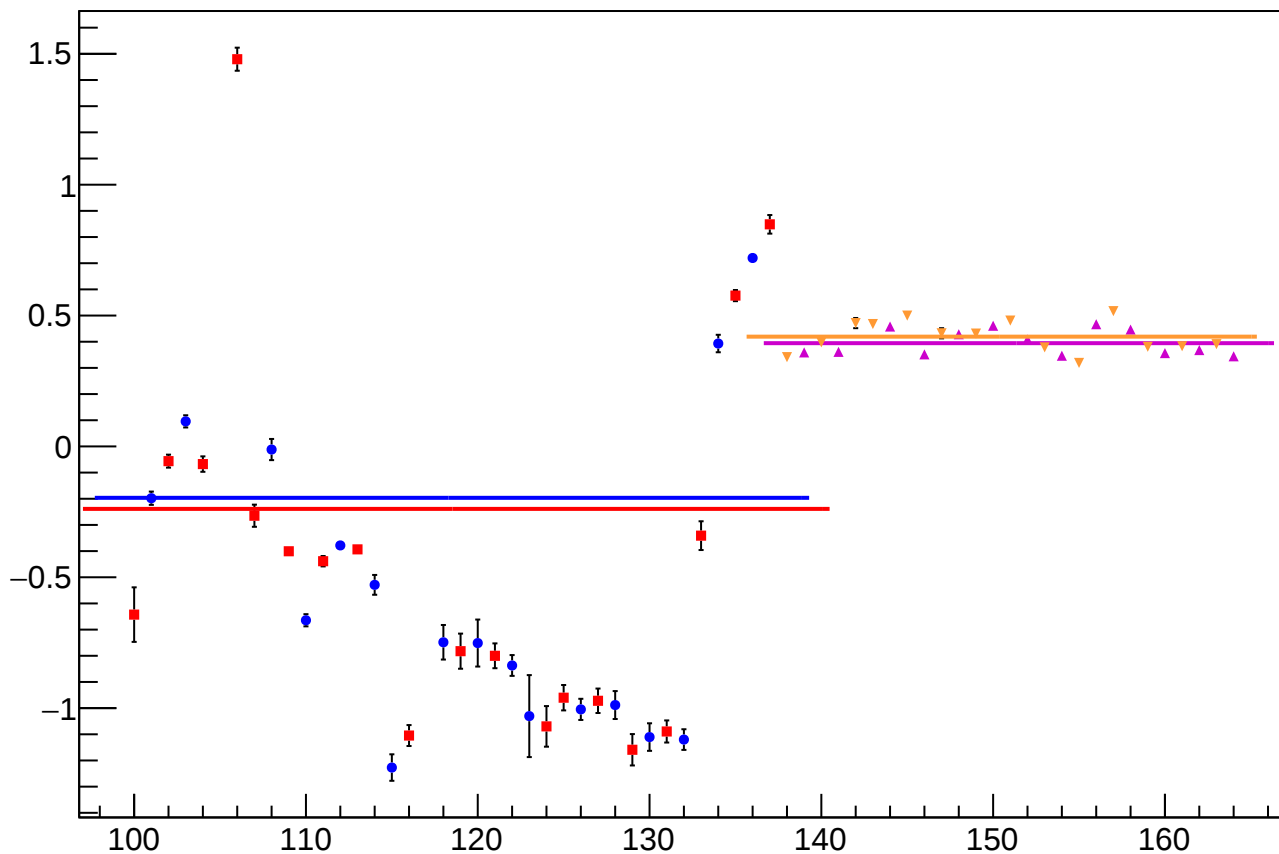
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$
 Left Out: -17.325 ± 0.085 $\chi^2/\text{NDF}: 1704.3/13$
 Right Out: -16.795 ± 0.128 $\chi^2/\text{NDF}: 1216.0/18$
 Left In: -17.511 ± 0.086 $\chi^2/\text{NDF}: 1422.5/12$

Left: -17.417 ± 0.060 $\chi^2/\text{NDF}: 3129.2/26$
 Right: -16.446 ± 0.092 $\chi^2/\text{NDF}: 2871.9/35$
 In: -17.085 ± 0.072 $\chi^2/\text{NDF}: 3146.0/29$
 Out: -17.163 ± 0.071 $\chi^2/\text{NDF}: 2932.2/32$
 All: -17.125 ± 0.051 $\chi^2/\text{NDF}: 6078.8/62$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.419 ± 0.004 χ^2/NDF : 207.1/13

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.394 ± 0.004 χ^2/NDF : 129.6/12

Left: 0.407 ± 0.003 χ^2/NDF : 355.5/26

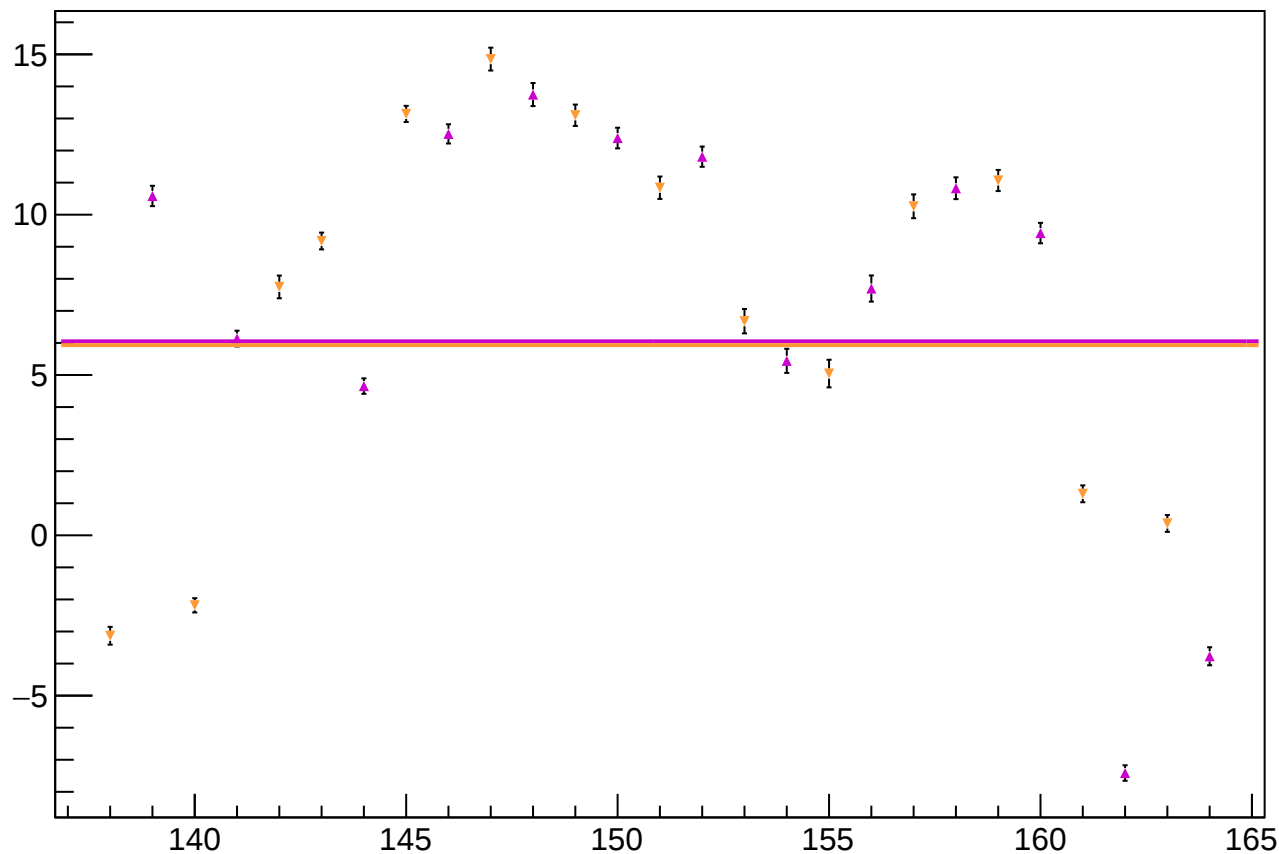
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.261 ± 0.004 χ^2/NDF : 11201.9/29

Out: 0.261 ± 0.004 χ^2/NDF : 12777.4/32

All: 0.261 ± 0.003 χ^2/NDF : 23979.4/62

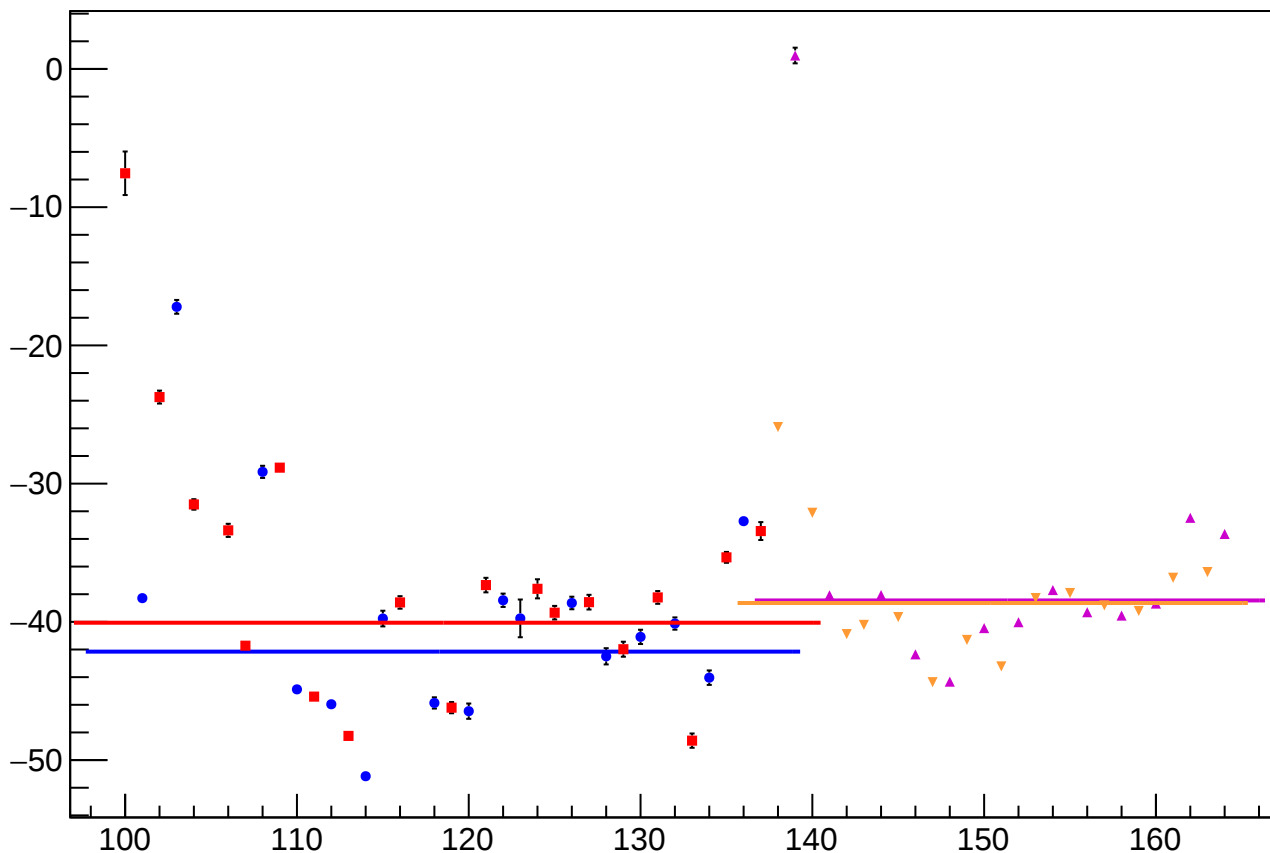
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.931 $\pm$ 0.081 χ^2 /NDF:5823.4/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 6.050 $\pm$ 0.084 χ^2 /NDF:6514.9/12

Left: 5.988 $\pm$ 0.058 χ^2 /NDF: 12339.3/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 6.050 $\pm$ 0.084 χ^2 /NDF:6514.9/12
 Out: 5.931 $\pm$ 0.081 χ^2 /NDF:5823.4/13
 All: 5.988 $\pm$ 0.058 χ^2 /NDF: 12339.3/26

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -38.635 ± 0.057 χ^2/NDF : 5767.6/13

Right Out: -40.062 ± 0.073 χ^2/NDF : 11322.2/18

Left In: -38.451 ± 0.059 χ^2/NDF : 7952.7/12

Left: -38.547 ± 0.041 χ^2/NDF : 13725.3/26

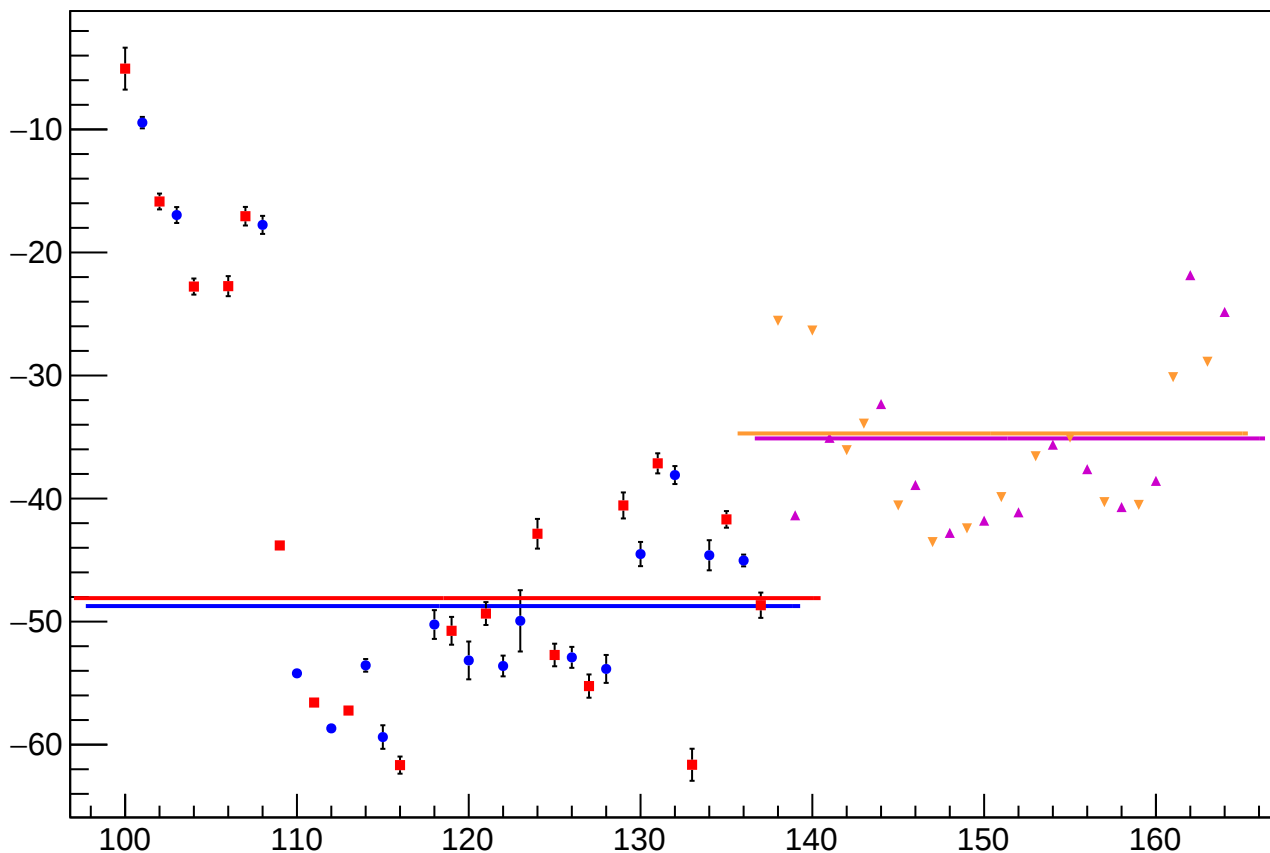
Right: -41.035 ± 0.053 χ^2/NDF : 18264.1/35

In: -39.808 ± 0.047 χ^2/NDF : 15936.8/29

Out: -39.172 ± 0.045 χ^2/NDF : 17329.7/32

All: -39.472 ± 0.032 χ^2/NDF : 33362.3/62

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: -34.709 ± 0.080 $\chi^2/\text{NDF}: 5738.6/13$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

Left In: -35.113 ± 0.082 $\chi^2/\text{NDF}: 7161.1/12$

Left: -34.907 ± 0.057 $\chi^2/\text{NDF}: 12912.1/26$

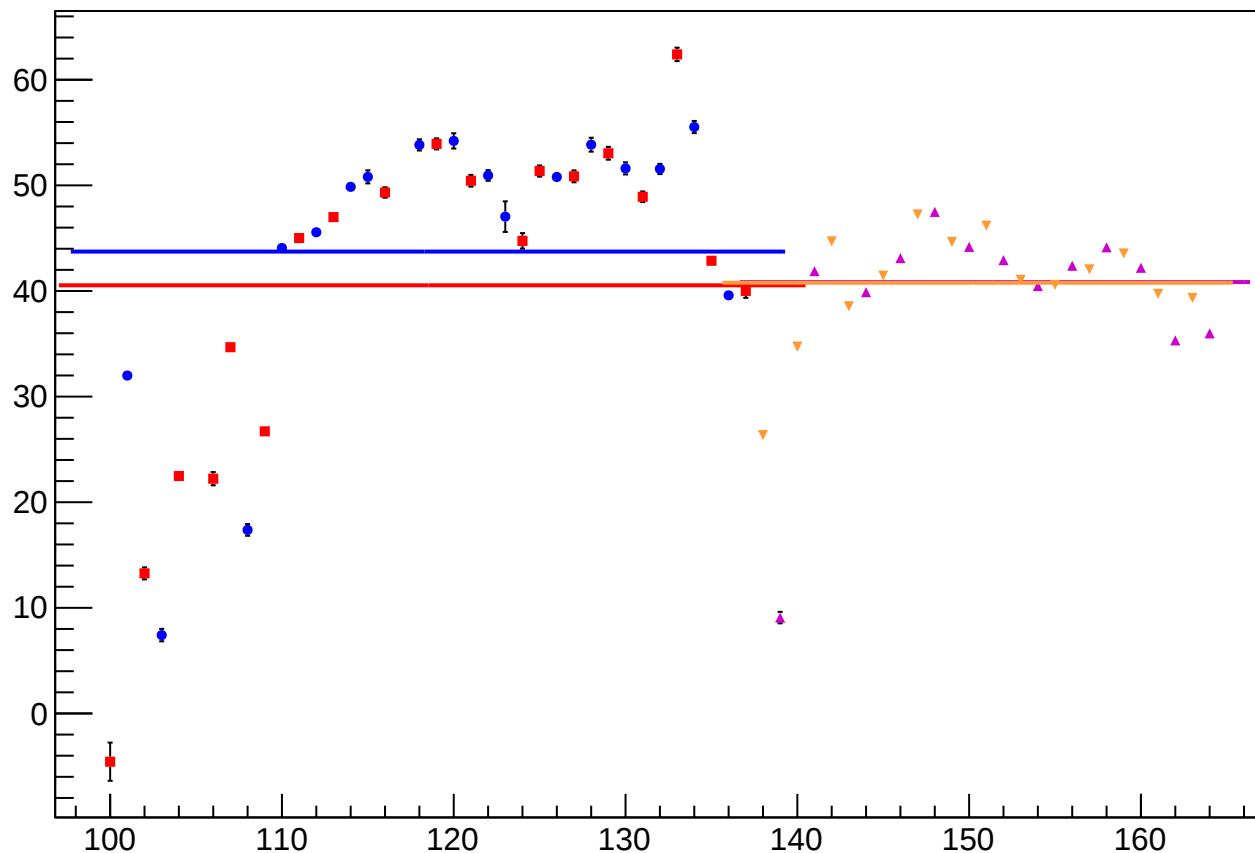
Right: -48.367 ± 0.081 $\chi^2/\text{NDF}: 26406.8/35$

In: -39.221 ± 0.068 $\chi^2/\text{NDF}: 30174.9/29$

Out: -39.507 ± 0.064 $\chi^2/\text{NDF}: 27462.1/32$

All: -39.373 ± 0.047 $\chi^2/\text{NDF}: 57646.3/62$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 $\pm$ 0.087 χ^2 /NDF: 10567.7/16

Left Out: 40.783 $\pm$ 0.066 χ^2 /NDF: 4876.0/13

Right Out: 40.537 $\pm$ 0.080 χ^2 /NDF: 17601.3/18

Left In: 40.847 $\pm$ 0.069 χ^2 /NDF: 5872.4/12

Left: 40.814 $\pm$ 0.048 χ^2 /NDF: 10748.8/26

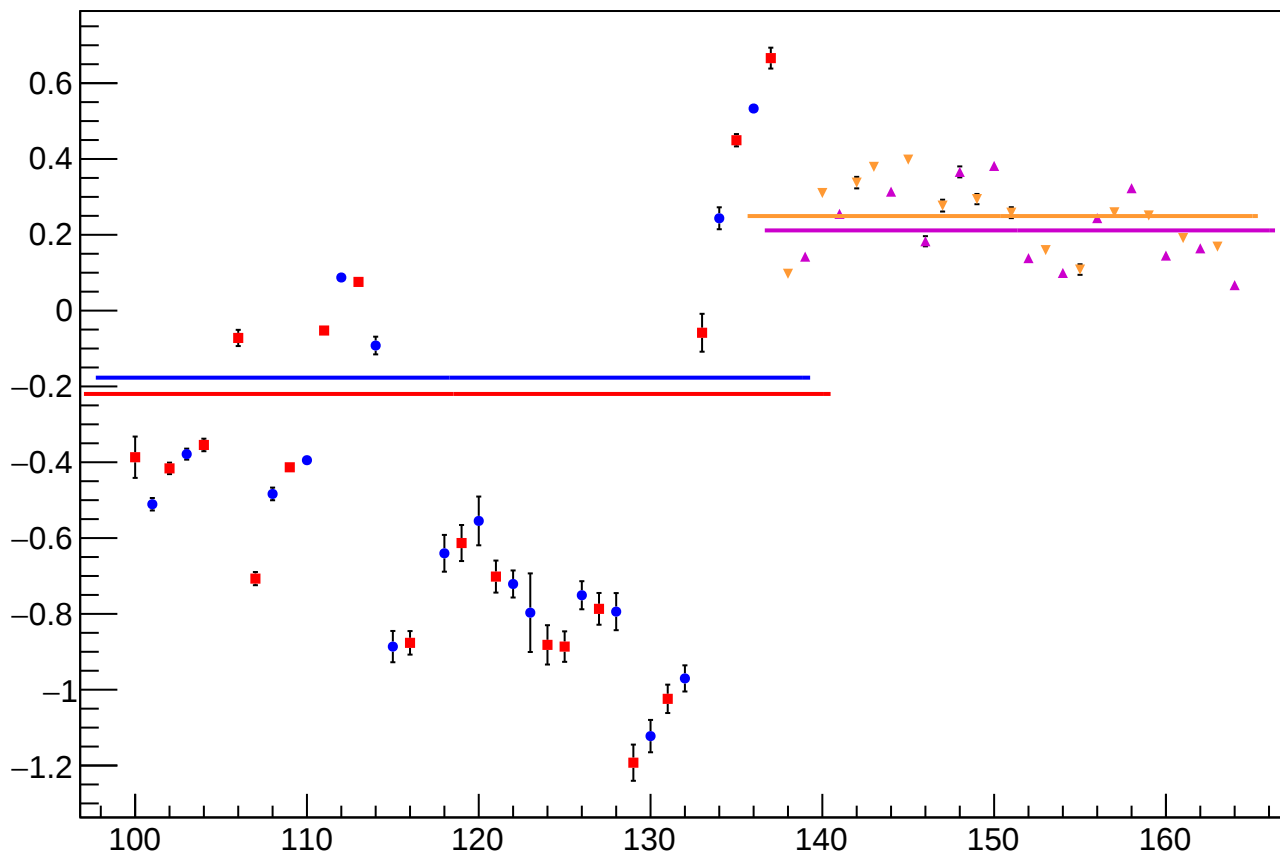
Right: 42.007 $\pm$ 0.059 χ^2 /NDF: 28898.9/35

In: 41.960 $\pm$ 0.054 χ^2 /NDF: 17116.9/29

Out: 40.683 $\pm$ 0.051 χ^2 /NDF: 22482.9/32

All: 41.286 $\pm$ 0.037 χ^2 /NDF: 39895.4/62

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.249 ± 0.003 χ^2/NDF : 835.9/13

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

Left In: 0.212 ± 0.003 χ^2/NDF : 878.7/12

Left: 0.231 ± 0.002 χ^2/NDF : 1785.0/26

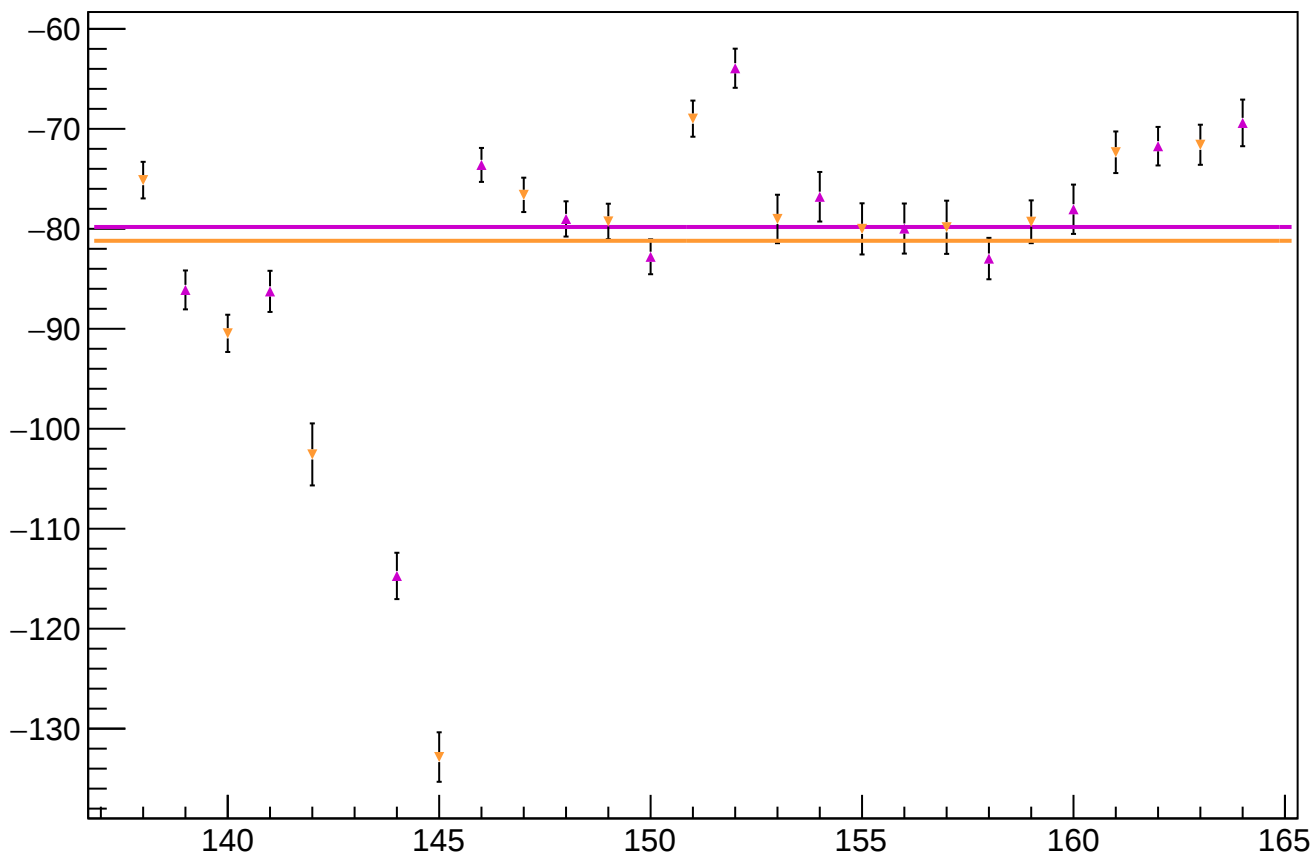
Right: -0.201 ± 0.003 χ^2/NDF : 14839.1/35

In: 0.092 ± 0.003 χ^2/NDF : 12701.3/29

Out: 0.085 ± 0.003 χ^2/NDF : 16003.0/32

All: 0.089 ± 0.002 χ^2/NDF : 28707.4/62

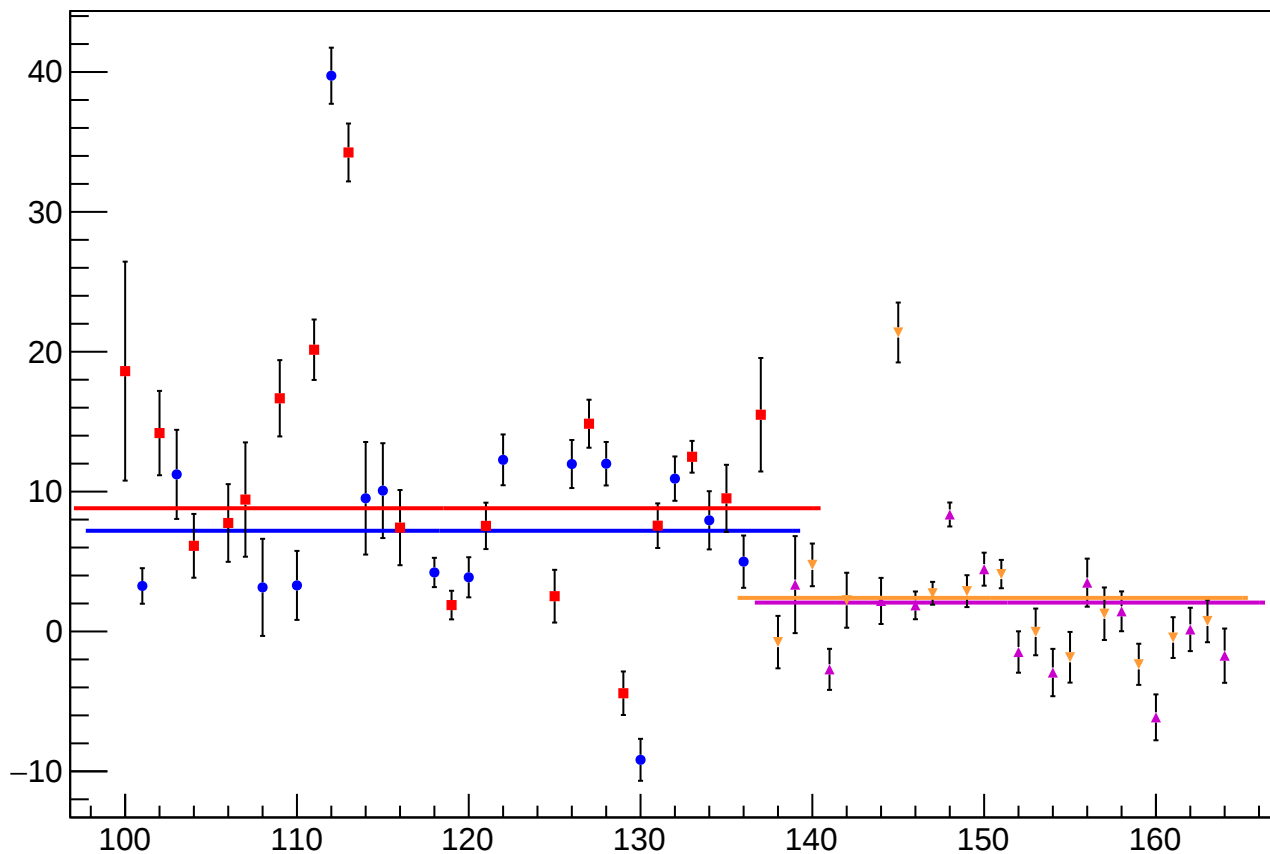
reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -81.198+/-0.580 χ^2/NDF :615.4/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -79.815+/-0.566 χ^2/NDF :371.2/12

Left: -80.491+/-0.405 χ^2/NDF : 989.5/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -79.815+/-0.566 χ^2/NDF :371.2/12
 Out: -81.198+/-0.580 χ^2/NDF :615.4/12
 All: -80.491+/-0.405 χ^2/NDF : 989.5/25

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 $\chi^2/\text{NDF}: 443.8/15$

Left Out: 2.402 ± 0.385 $\chi^2/\text{NDF}: 110.4/12$

Right Out: 8.810 ± 0.448 $\chi^2/\text{NDF}: 349.7/17$

Left In: 2.065 ± 0.386 $\chi^2/\text{NDF}: 114.7/12$

Left: 2.234 ± 0.273 $\chi^2/\text{NDF}: 225.5/25$

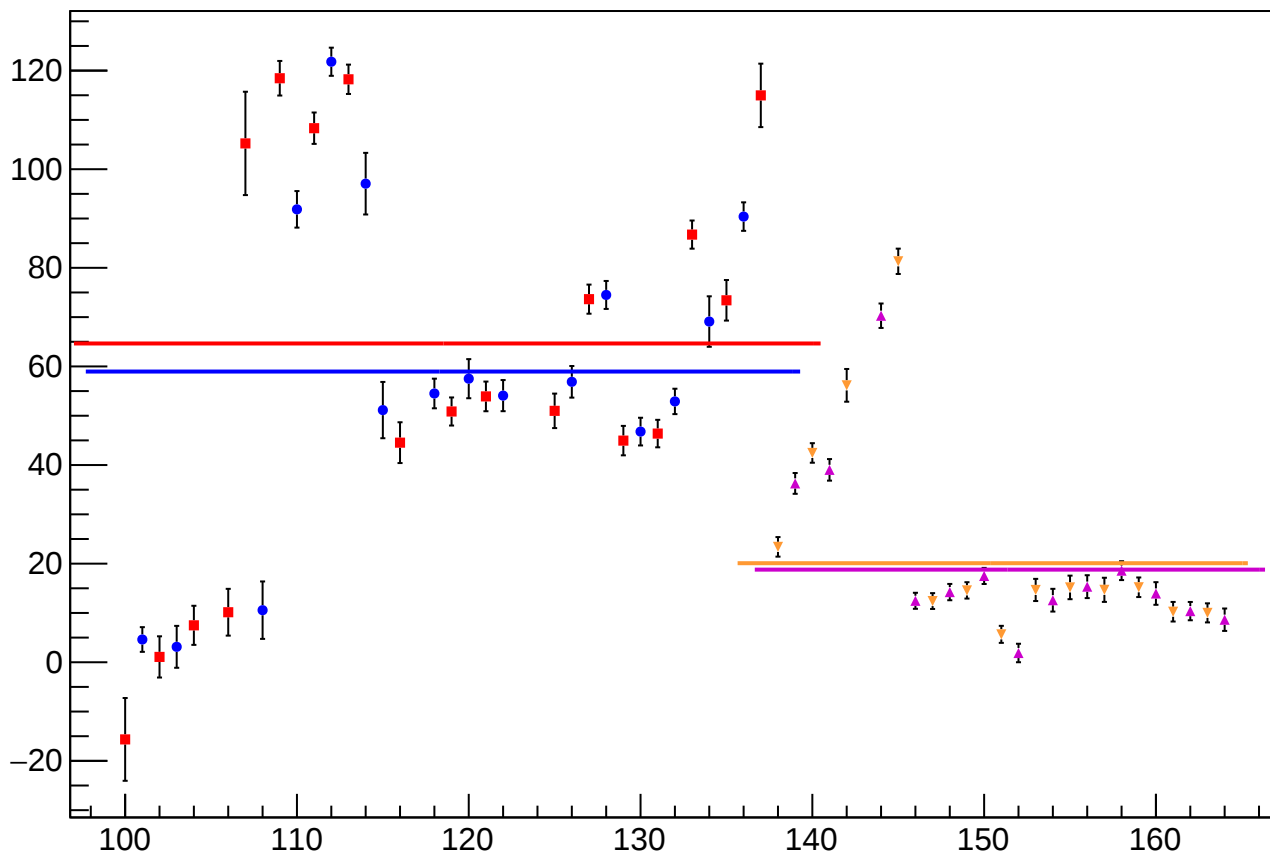
Right: 7.990 ± 0.314 $\chi^2/\text{NDF}: 800.1/33$

In: 4.302 ± 0.290 $\chi^2/\text{NDF}: 635.5/28$

Out: 5.124 ± 0.292 $\chi^2/\text{NDF}: 577.9/30$

All: 4.710 ± 0.206 $\chi^2/\text{NDF}: 1217.4/59$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 ± 0.837 χ^2/NDF : 1496.5/15

Left Out: 20.089 ± 0.563 χ^2/NDF : 992.2/12

Right Out: 64.655 ± 0.840 χ^2/NDF : 1721.8/17

Left In: 18.786 ± 0.549 χ^2/NDF : 745.2/12

Left: 19.420 ± 0.393 χ^2/NDF : 1740.1/25

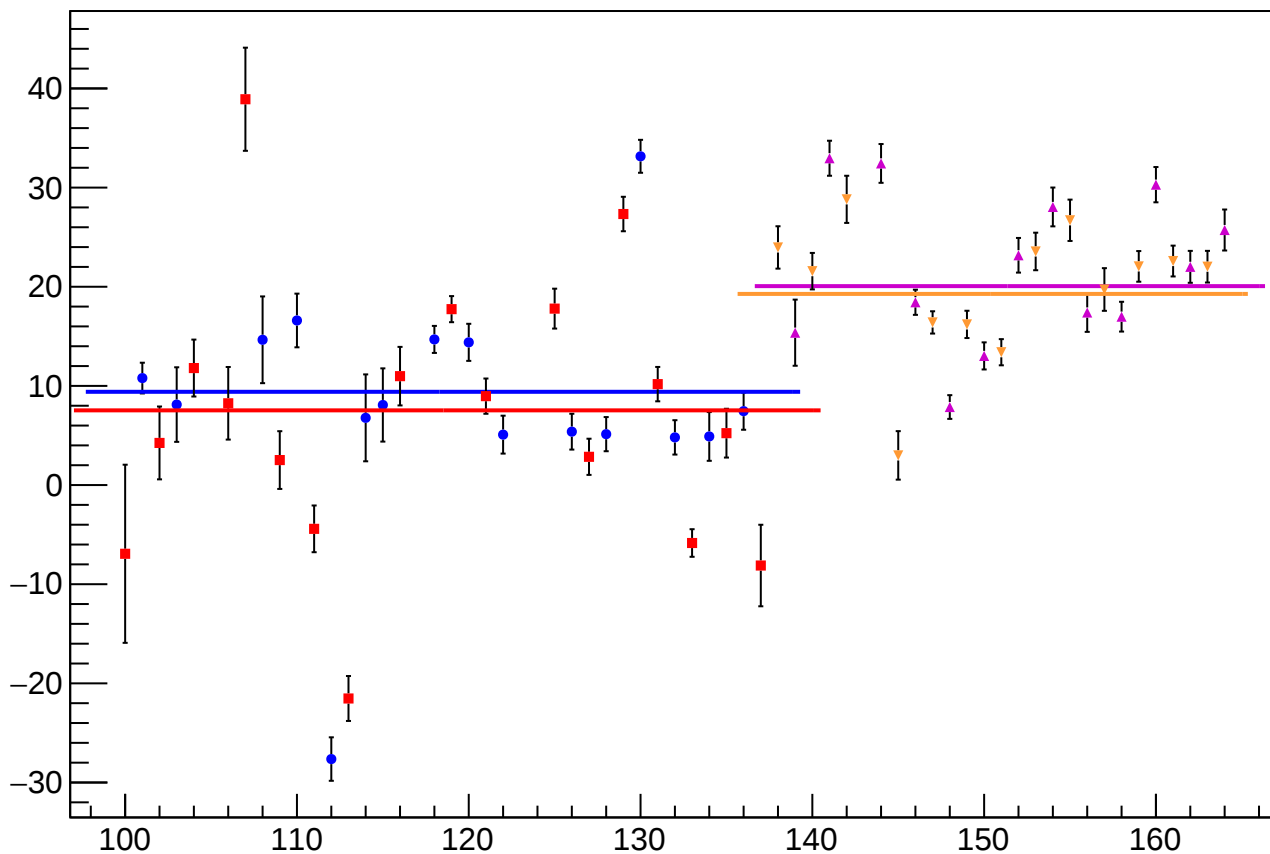
Right: 61.798 ± 0.593 χ^2/NDF : 3241.4/33

In: 30.860 ± 0.459 χ^2/NDF : 3853.4/28

Out: 33.915 ± 0.468 χ^2/NDF : 4655.4/30

All: 32.358 ± 0.328 χ^2/NDF : 8530.6/59

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 19.277 ± 0.461 χ^2/NDF : 126.8/12

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

Left In: 20.063 ± 0.459 χ^2/NDF : 295.3/12

Left: 19.672 ± 0.325 χ^2/NDF : 423.5/25

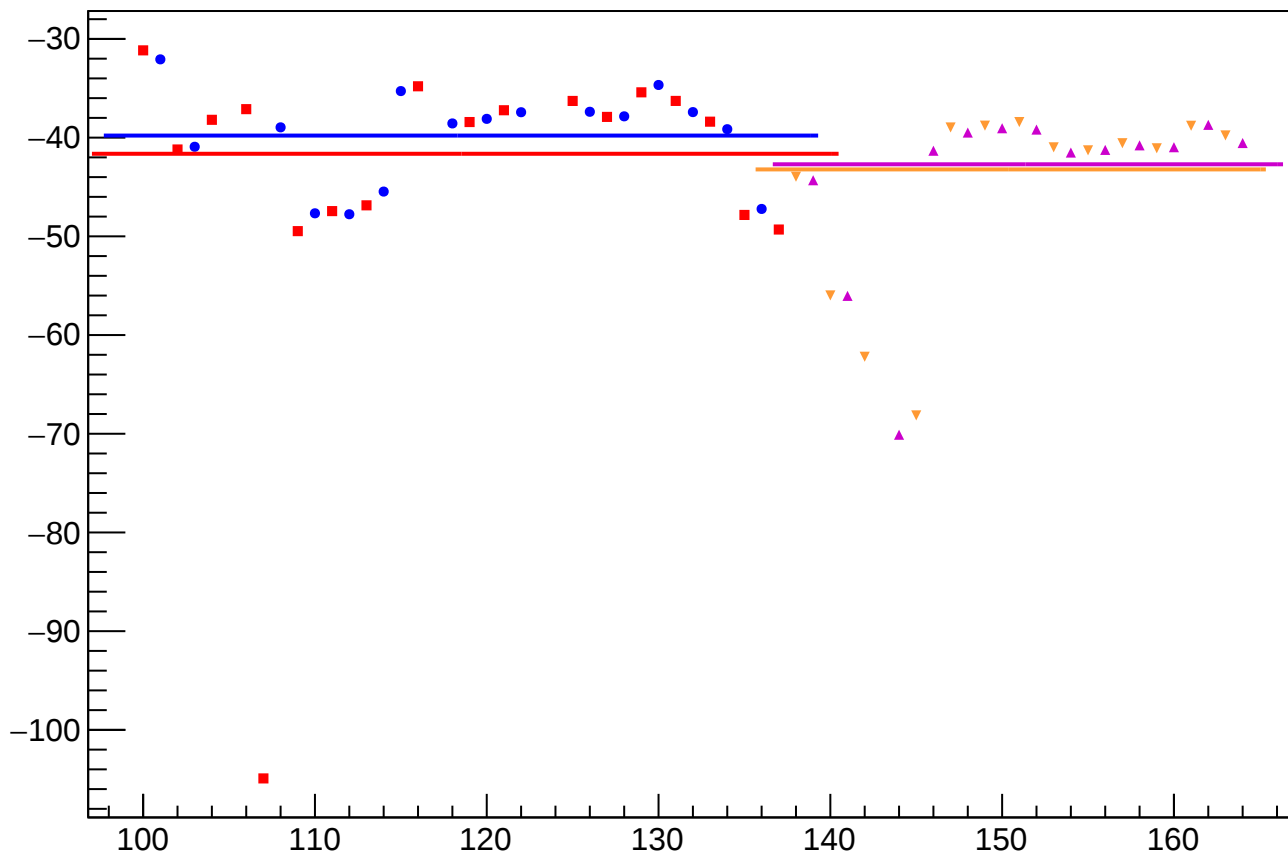
Right: 8.484 ± 0.361 χ^2/NDF : 1126.0/33

In: 15.264 ± 0.340 χ^2/NDF : 1088.0/28

Out: 14.049 ± 0.343 χ^2/NDF : 985.3/30

All: 14.663 ± 0.242 χ^2/NDF : 2079.6/59

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: -43.220 $\pm$ 0.022 χ^2 /NDF:122013.2/12

Right Out: -41.635 $\pm$ 0.031 χ^2 /NDF: 94393.1/17

Left In: -42.700 $\pm$ 0.022 χ^2 /NDF:99264.3/12

Left: -42.952 $\pm$ 0.016 χ^2 /NDF: 221556.1/25

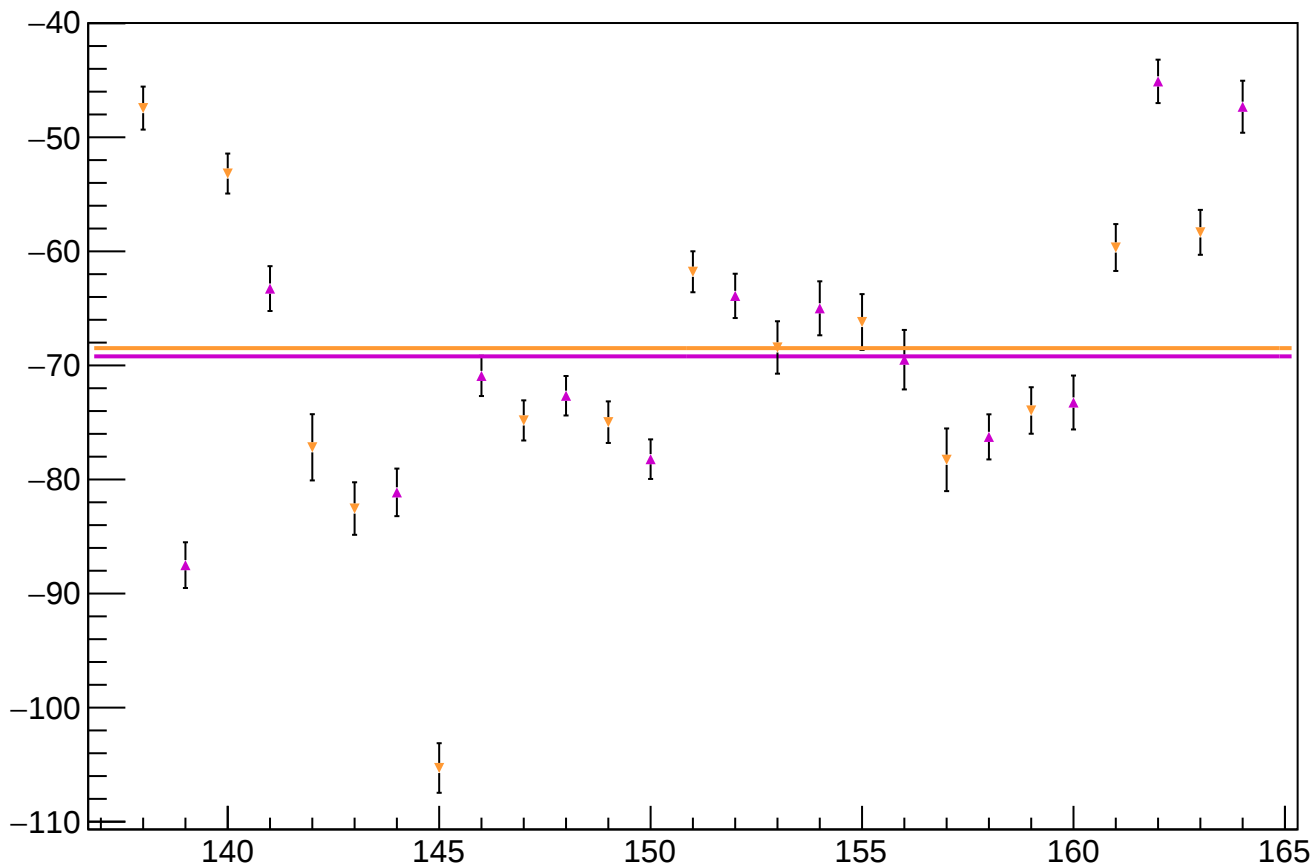
Right: -40.714 $\pm$ 0.022 χ^2 /NDF: 122277.1/33

In: -41.754 $\pm$ 0.018 χ^2 /NDF:131260.1/28

Out: -42.682 $\pm$ 0.018 χ^2 /NDF:218108.9/30

All: -42.208 $\pm$ 0.013 χ^2 /NDF: 350697.2/59

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



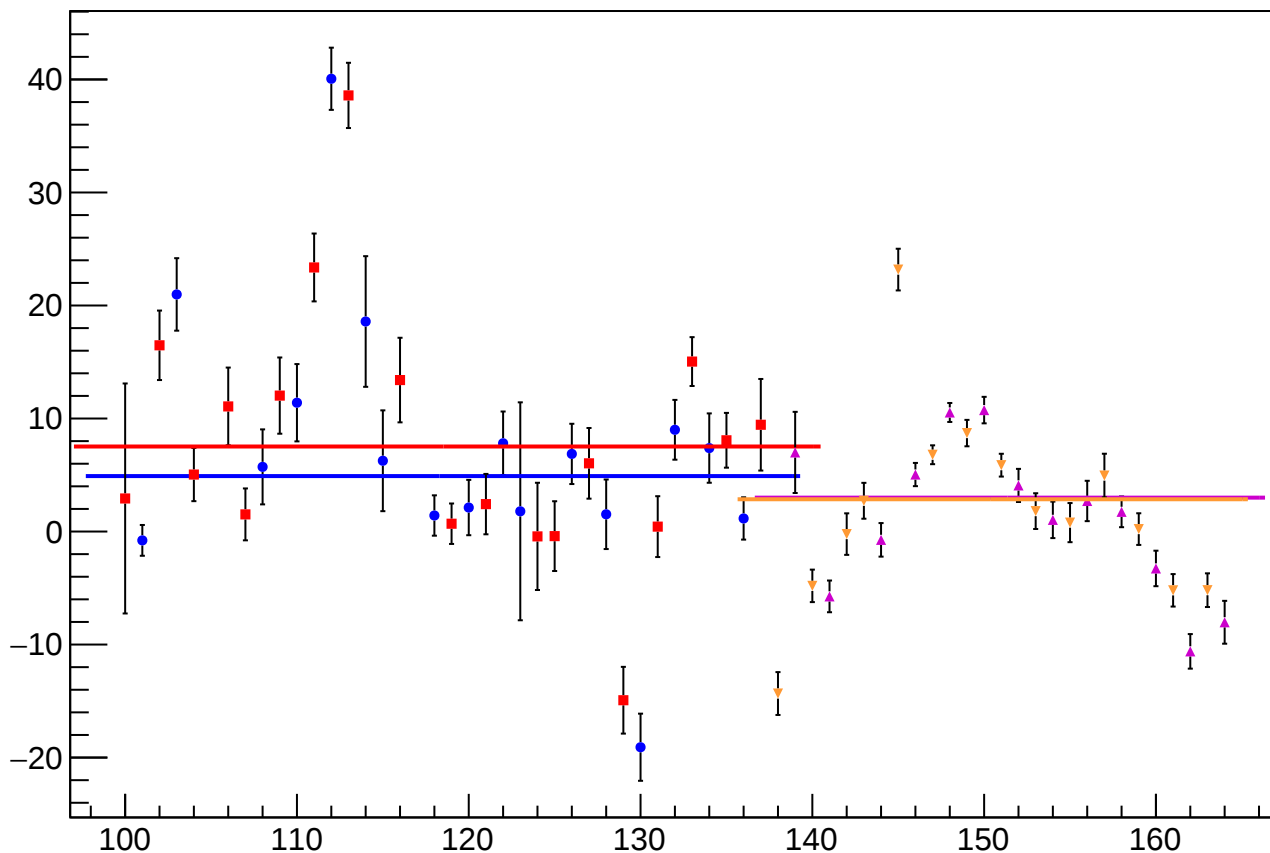
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -68.484+/-0.552 χ^2/NDF : 639.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -69.206+/-0.557 χ^2/NDF : 435.9/12

Left: -68.841+/-0.392 χ^2/NDF : 1076.0/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -69.206+/-0.557 χ^2/NDF : 435.9/12
 Out: -68.484+/-0.552 χ^2/NDF : 639.2/13

All: -68.841+/-0.392 χ^2/NDF : 1076.0/26

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 2.856 ± 0.369 χ^2/NDF : 358.3/13

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

Left In: 2.999 ± 0.379 χ^2/NDF : 306.3/12

Left: 2.925 ± 0.264 χ^2/NDF : 664.6/26

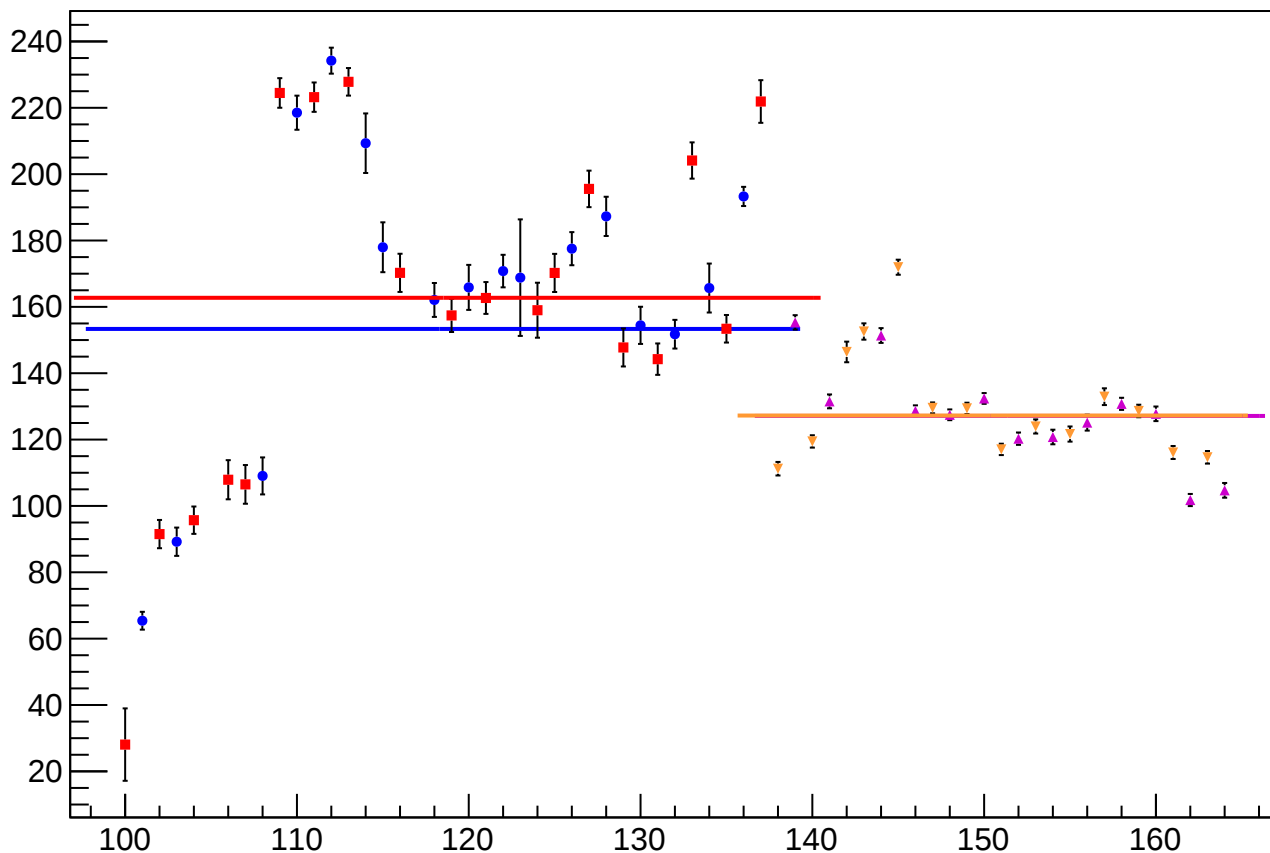
Right: 6.168 ± 0.452 χ^2/NDF : 574.4/35

In: 3.509 ± 0.325 χ^2/NDF : 608.5/29

Out: 3.992 ± 0.321 χ^2/NDF : 667.8/32

All: 3.753 ± 0.228 χ^2/NDF : 1277.4/62

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 127.245 $\pm$ 0.540 χ^2 /NDF: 740.3/13

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

Left In: 127.126 $\pm$ 0.540 χ^2 /NDF: 622.3/12

Left: 127.185 $\pm$ 0.382 χ^2 /NDF: 1362.6/26

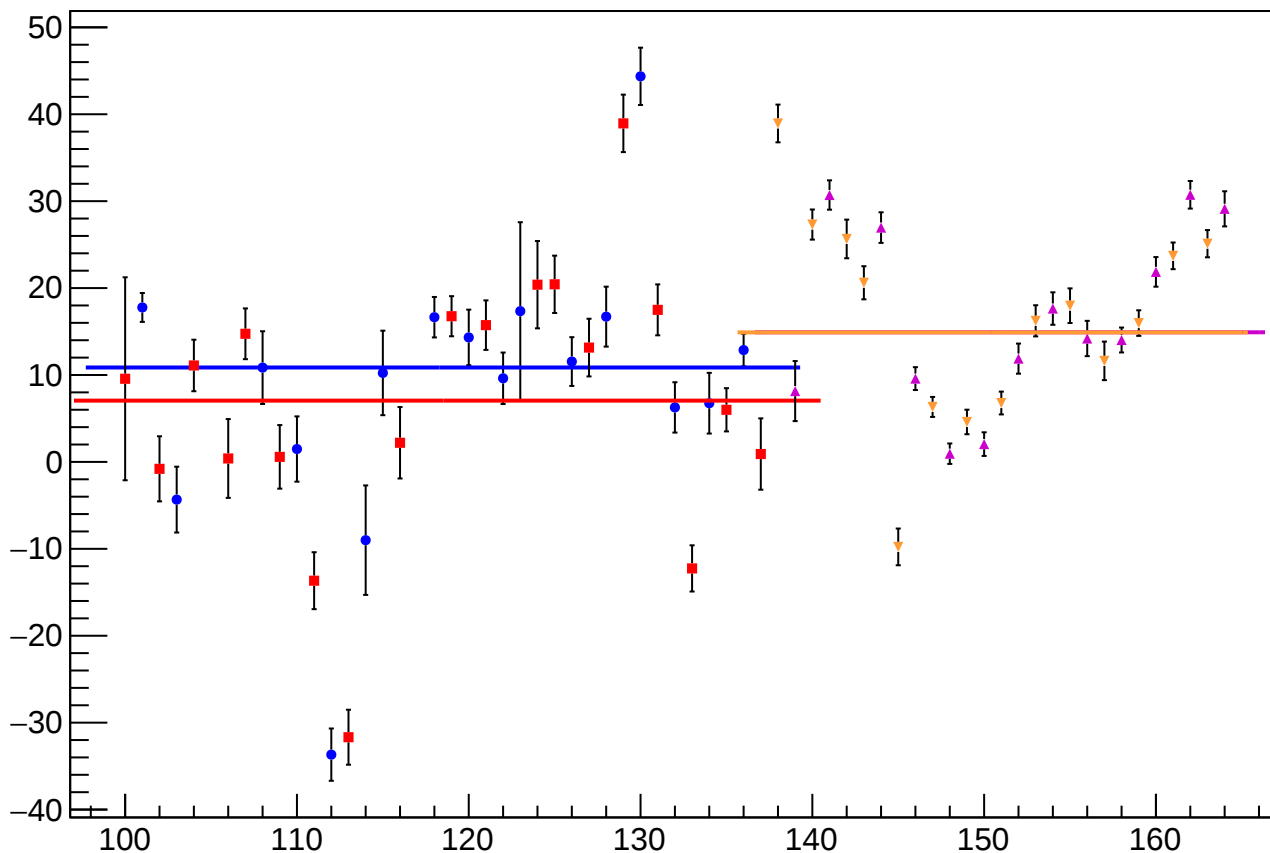
Right: 157.935 $\pm$ 0.823 χ^2 /NDF: 4009.6/35

In: 131.865 $\pm$ 0.489 χ^2 /NDF: 3316.5/29

Out: 133.416 $\pm$ 0.491 χ^2 /NDF: 3200.3/32

All: 132.637 $\pm$ 0.346 χ^2 /NDF: 6521.8/62

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 14.901 $\pm$ 0.441 χ^2 /NDF:570.9/13

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

Left In: 14.914 $\pm$ 0.450 χ^2 /NDF:556.5/12

Left: 14.908 $\pm$ 0.315 χ^2 /NDF: 1127.4/26

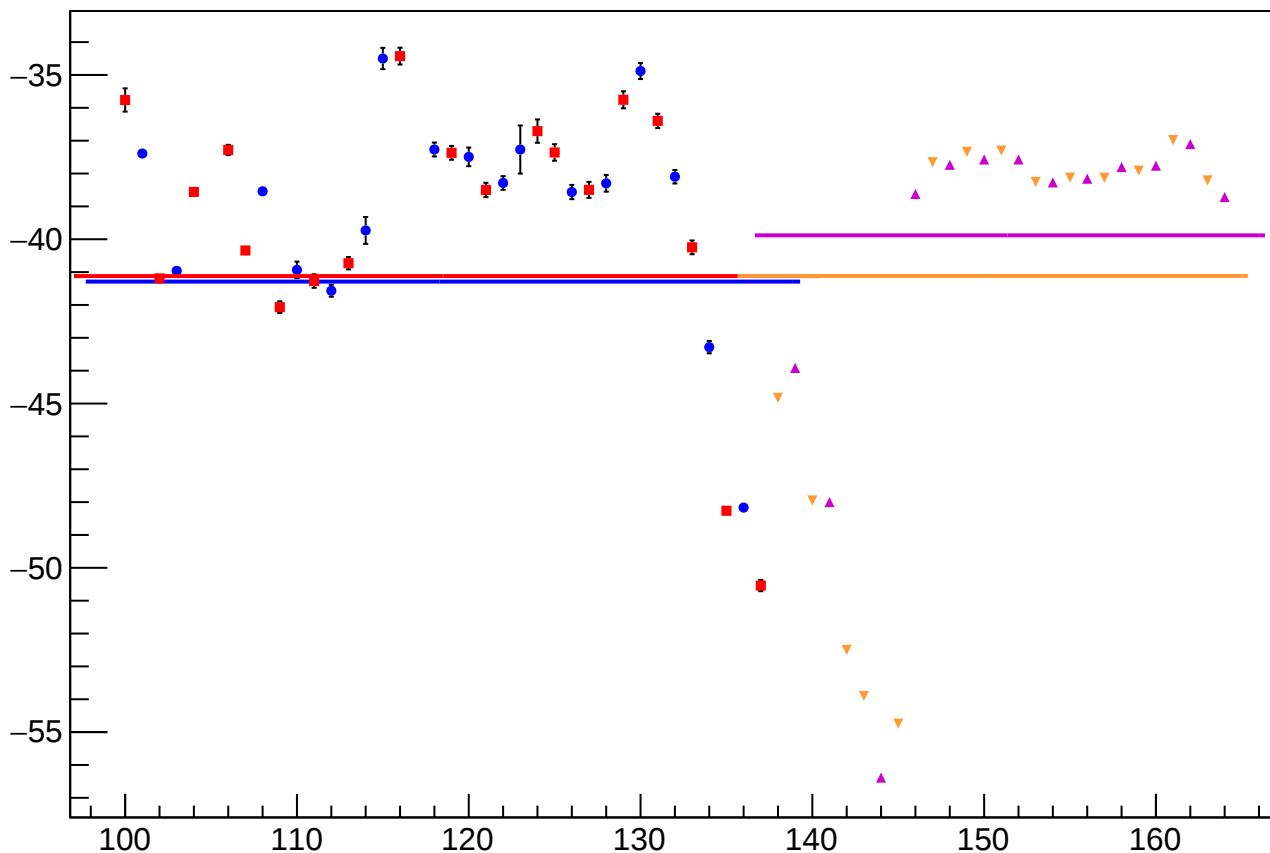
Right: 9.031 $\pm$ 0.518 χ^2 /NDF: 826.1/35

In: 13.775 $\pm$ 0.382 χ^2 /NDF:967.2/29

Out: 12.876 $\pm$ 0.380 χ^2 /NDF:1077.4/32

All: 13.323 $\pm$ 0.269 χ^2 /NDF: 2047.4/62

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289+/-0.039 χ^2/NDF : 12509.1/16

Left Out: -41.117+/-0.021 χ^2/NDF : 75565.4/13

Right Out: -41.120+/-0.039 χ^2/NDF : 12110.6/18

Left In: -39.881+/-0.021 χ^2/NDF : 48154.0/12

Left: -40.497+/-0.015 χ^2/NDF : 125389.7/26

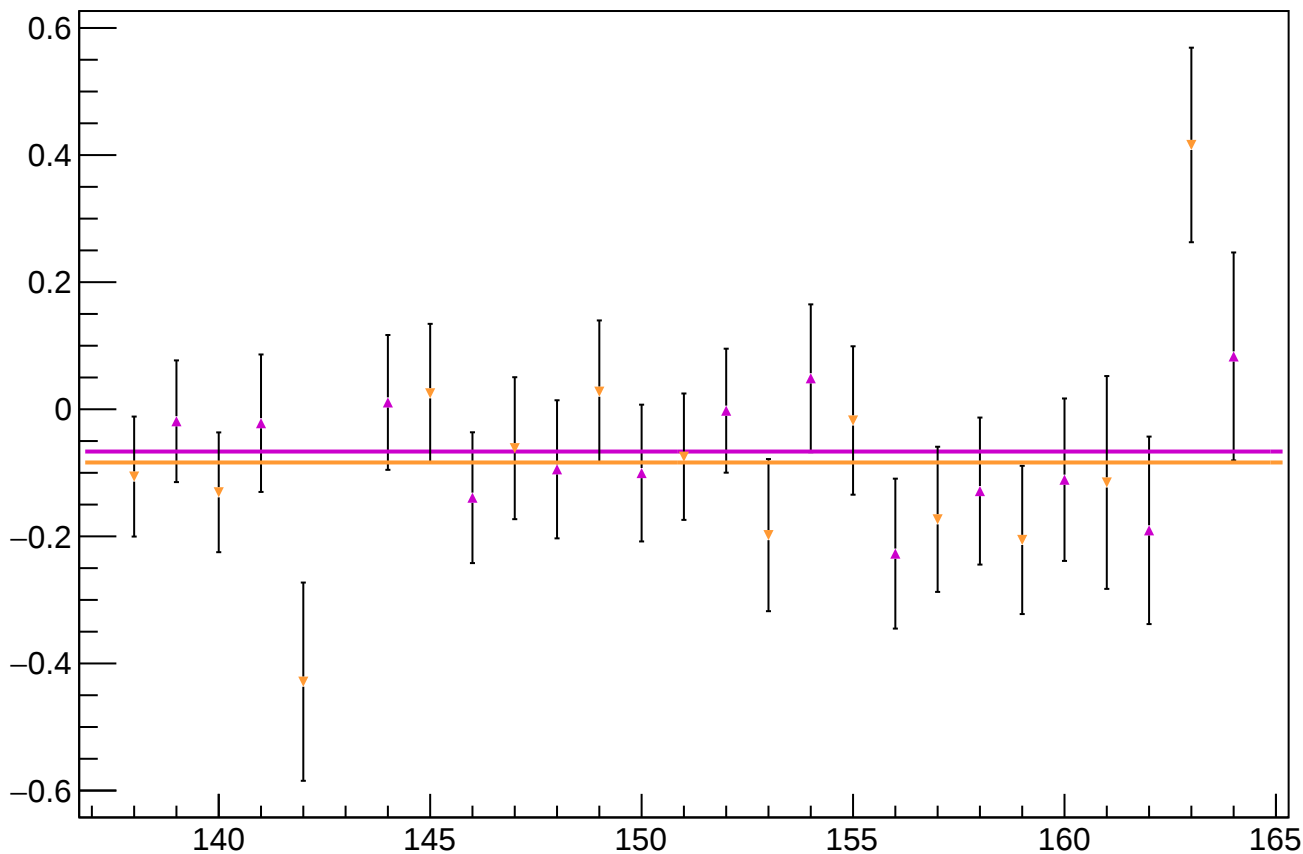
Right: -41.205+/-0.027 χ^2/NDF : 24629.1/35

In: -40.211+/-0.019 χ^2/NDF : 61680.9/29

Out: -41.118+/-0.019 χ^2/NDF : 87676.0/32

All: -40.663+/-0.013 χ^2/NDF : 150532.2/62

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: -0.084 $\pm$ 0.032 χ^2 /NDF:20.8/12

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

Left In: -0.067 $\pm$ 0.031 χ^2 /NDF:6.8/12

Left: -0.075 $\pm$ 0.022 χ^2 /NDF: 27.8/25

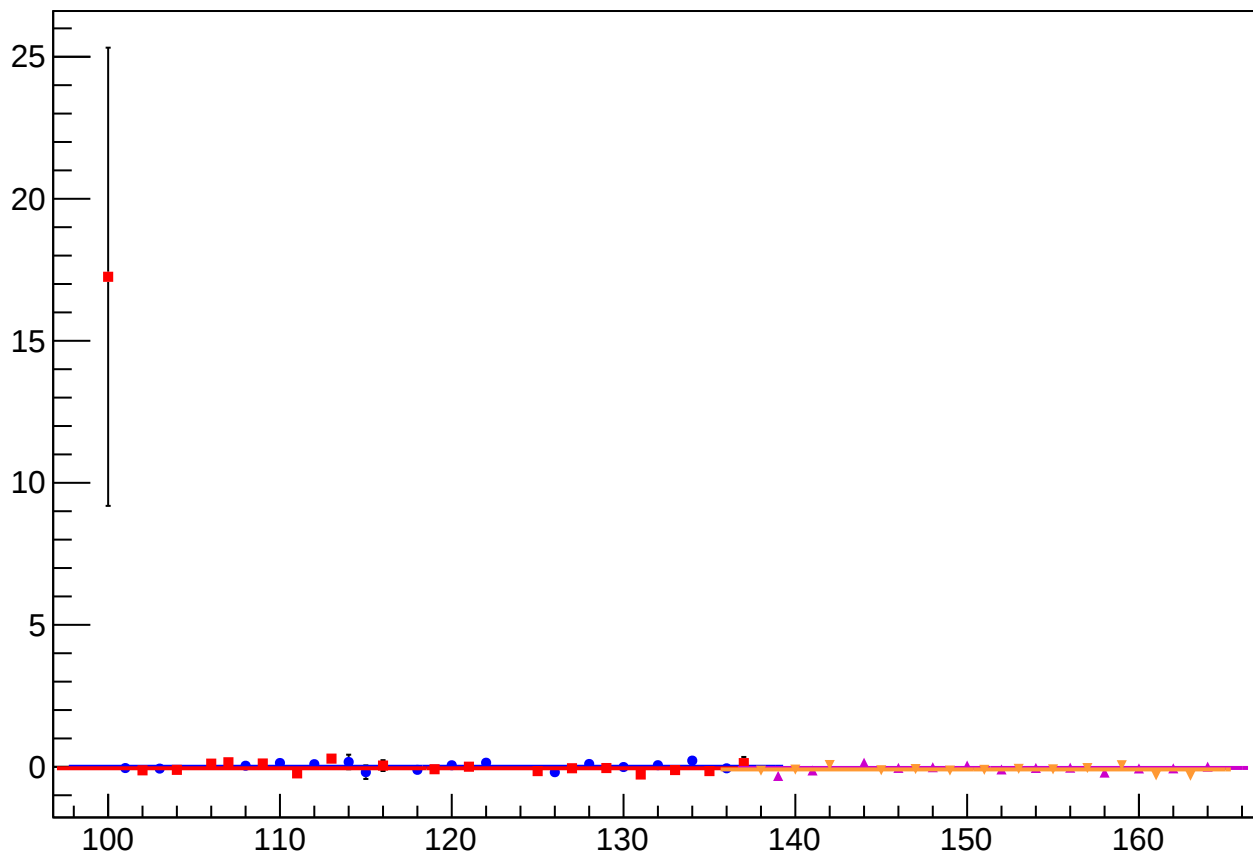
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.067 $\pm$ 0.031 χ^2 /NDF:6.8/12

Out: -0.084 $\pm$ 0.032 χ^2 /NDF:20.8/12

All: -0.075 $\pm$ 0.022 χ^2 /NDF: 27.8/25

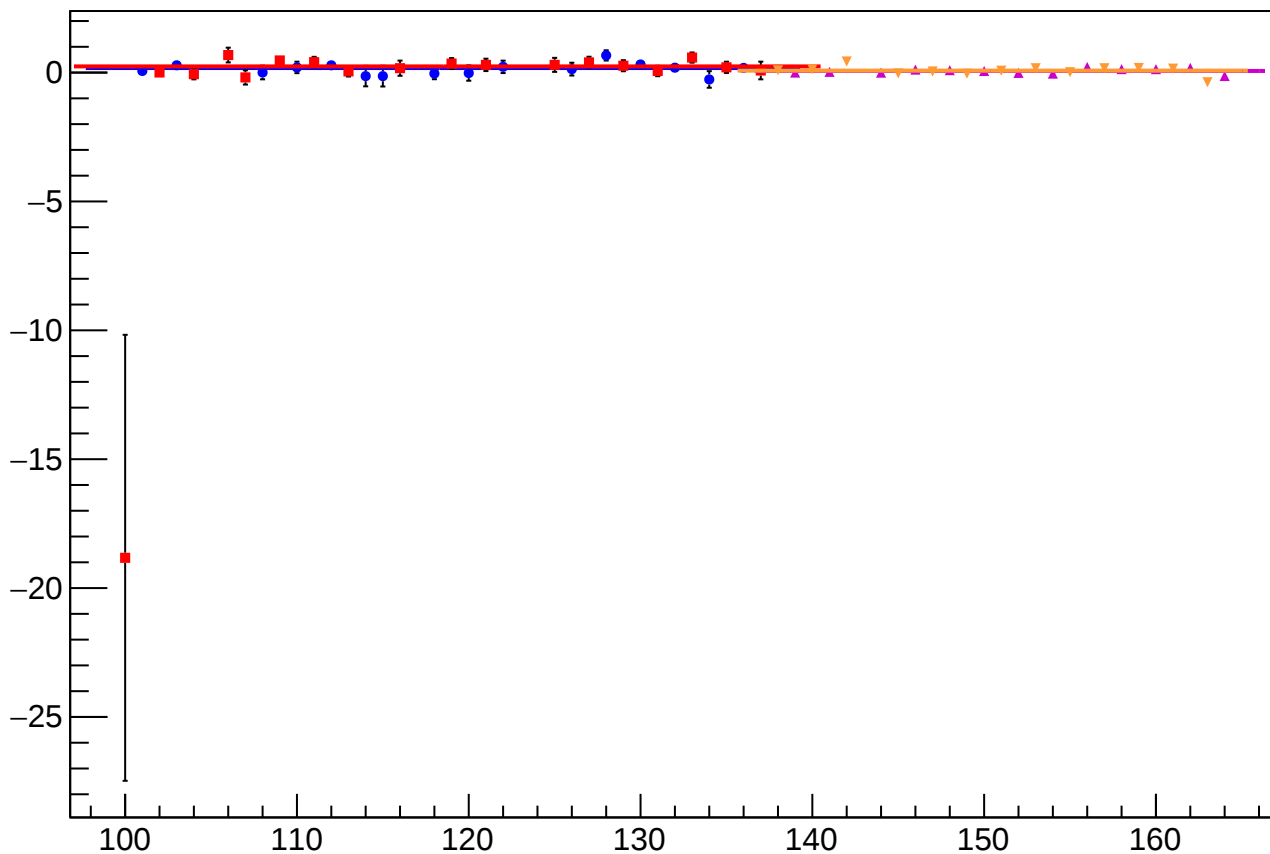
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 $\chi^2/\text{NDF}: 12.4/15$
 Left Out: -0.090 ± 0.022 $\chi^2/\text{NDF}: 13.7/12$
 Right Out: -0.050 ± 0.029 $\chi^2/\text{NDF}: 25.6/17$
 Left In: -0.039 ± 0.022 $\chi^2/\text{NDF}: 16.2/12$

Left: -0.064 ± 0.015 $\chi^2/\text{NDF}: 32.6/25$
 Right: -0.023 ± 0.020 $\chi^2/\text{NDF}: 39.7/33$
 In: -0.023 ± 0.017 $\chi^2/\text{NDF}: 30.0/28$
 Out: -0.076 ± 0.018 $\chi^2/\text{NDF}: 40.5/30$
 All: -0.049 ± 0.012 $\chi^2/\text{NDF}: 75.0/59$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.075 $\pm$ 0.031 χ^2 /NDF:19.2/12

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

Left In: 0.063 $\pm$ 0.030 χ^2 /NDF:7.7/12

Left: 0.069 $\pm$ 0.022 χ^2 /NDF: 27.0/25

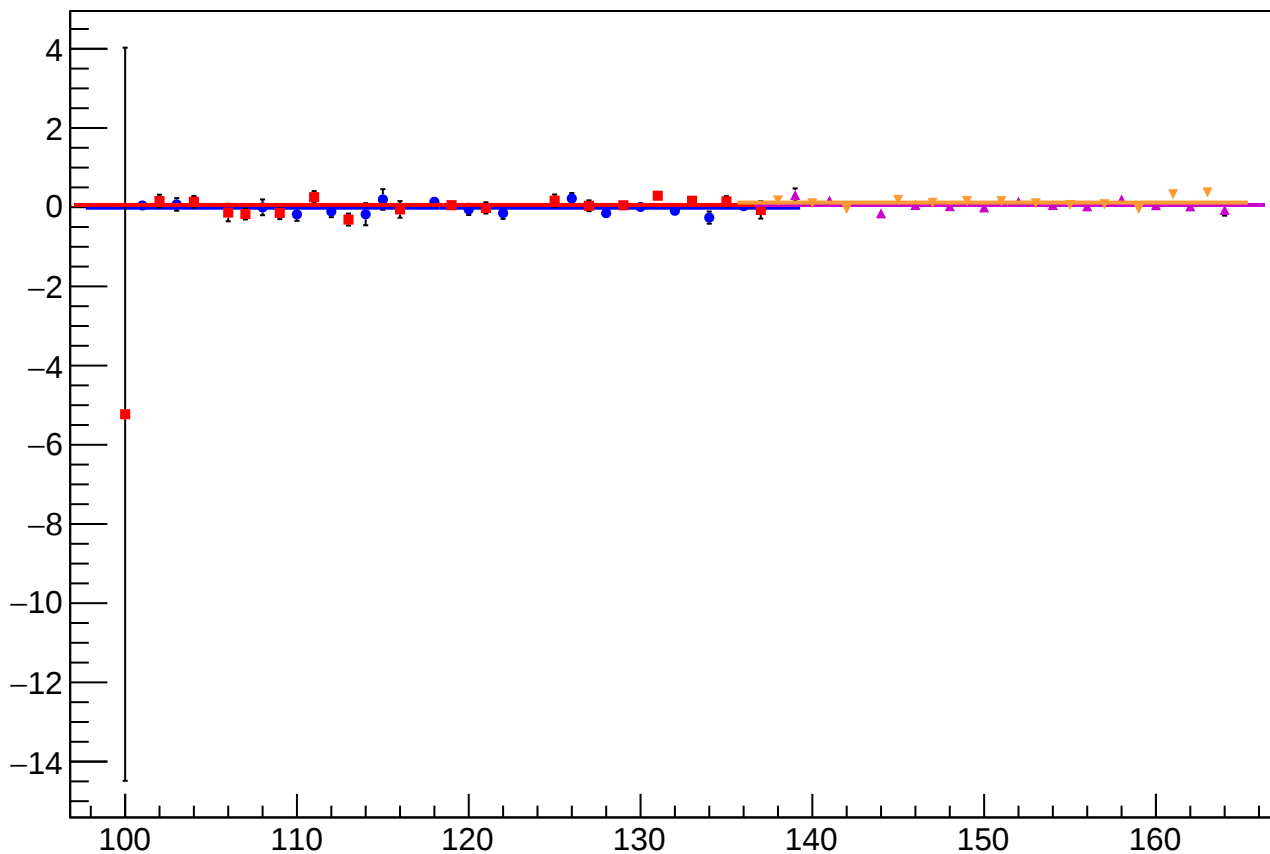
Right: 0.207 $\pm$ 0.038 χ^2 /NDF: 35.3/33

In: 0.091 $\pm$ 0.026 χ^2 /NDF:24.2/28

Out: 0.116 $\pm$ 0.027 χ^2 /NDF:47.9/30

All: 0.103 $\pm$ 0.019 χ^2 /NDF: 72.4/59

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.117 ± 0.026 χ^2/NDF : 14.4/12

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.057 ± 0.026 χ^2/NDF : 14.6/12

Left: 0.086 ± 0.018 χ^2/NDF : 31.7/25

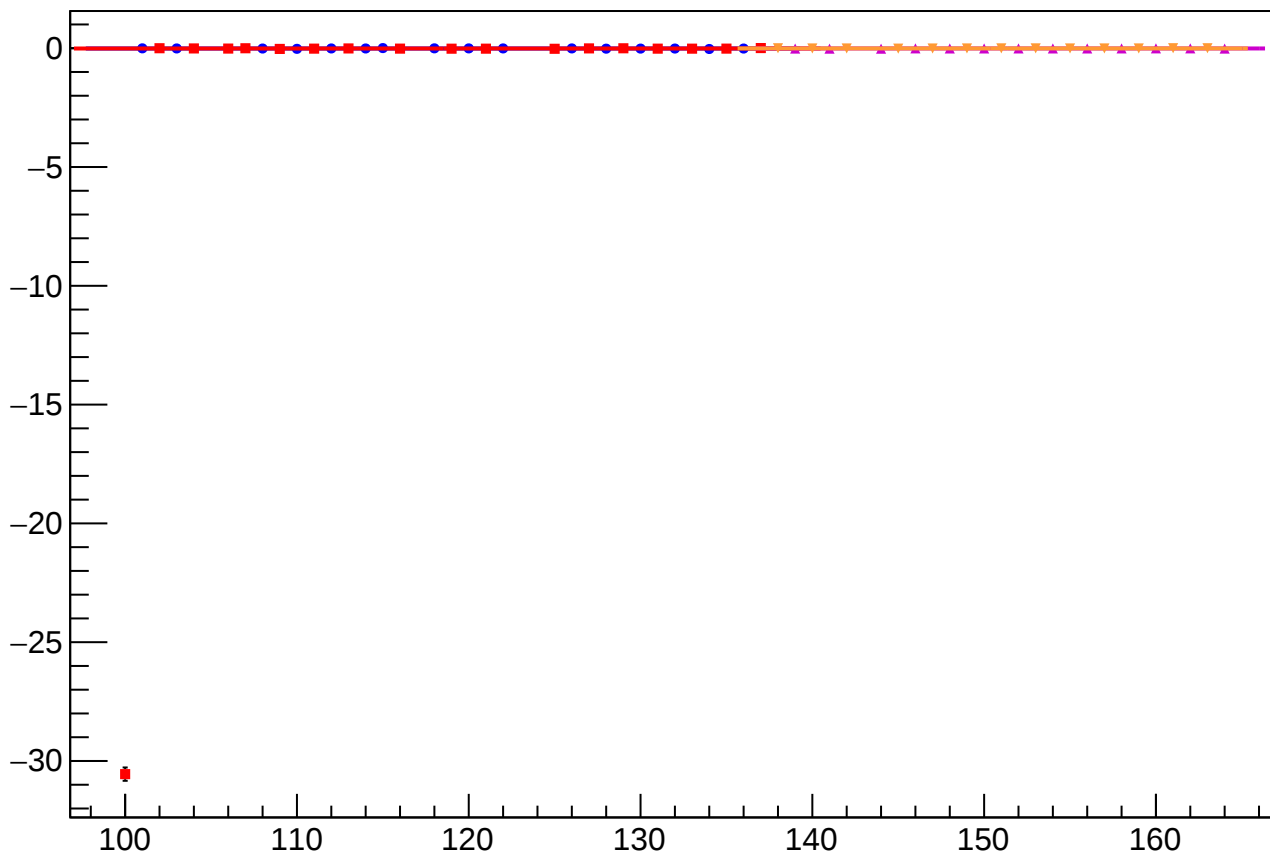
Right: 0.021 ± 0.024 χ^2/NDF : 36.2/33

In: 0.030 ± 0.020 χ^2/NDF : 31.0/28

Out: 0.094 ± 0.021 χ^2/NDF : 36.7/30

All: 0.062 ± 0.014 χ^2/NDF : 72.6/59

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:11.9/12

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

Left In: -0.011 $\pm$ 0.001 χ^2 /NDF:11.6/12

Left: -0.009 $\pm$ 0.001 χ^2 /NDF: 25.5/25

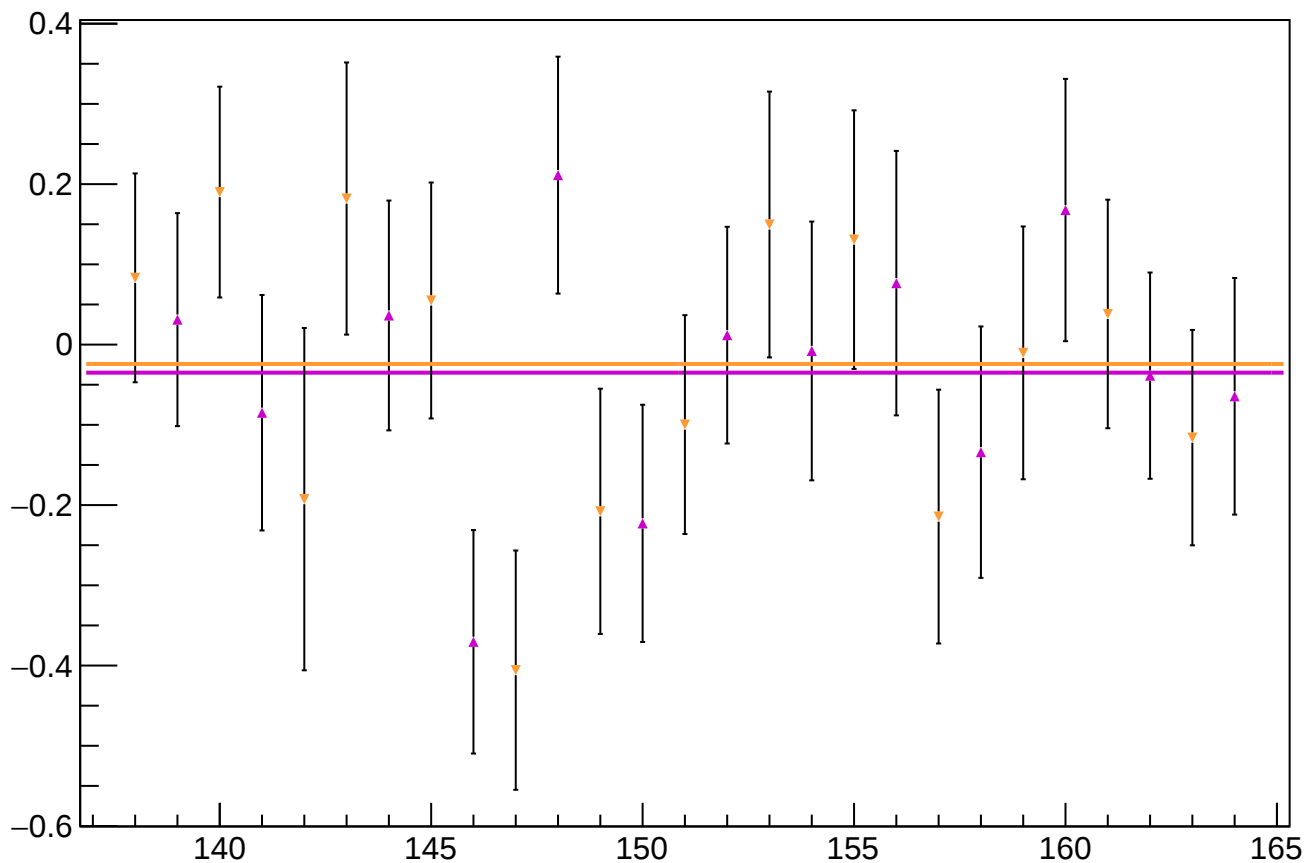
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.1/33

In: -0.011 $\pm$ 0.001 χ^2 /NDF:24.7/28

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11906.6/30

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11932.6/59

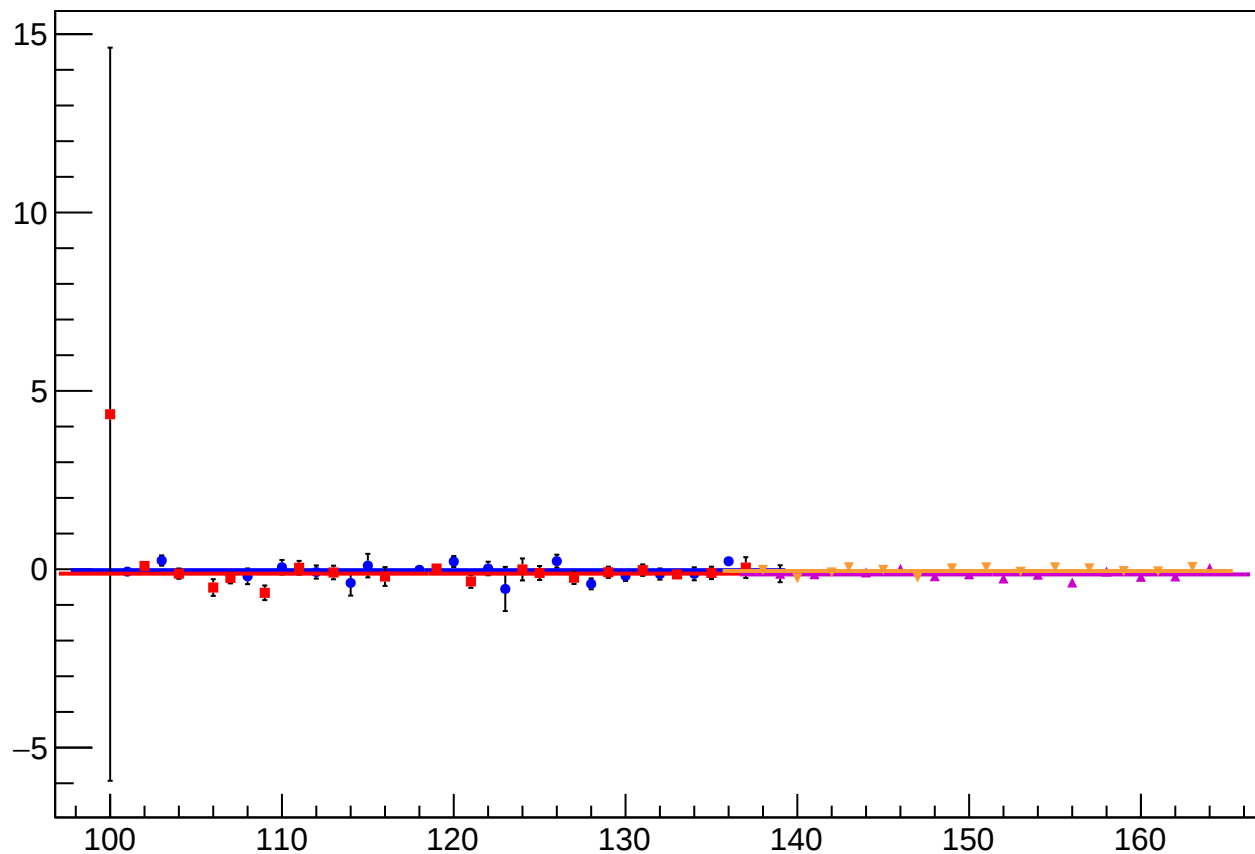
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.024 $\pm$ 0.040 χ^2 /NDF:18.2/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.035 $\pm$ 0.040 χ^2 /NDF:13.4/12

Left: -0.029 $\pm$ 0.028 χ^2 /NDF: 31.6/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.035 $\pm$ 0.040 χ^2 /NDF:13.4/12
 Out: -0.024 $\pm$ 0.040 χ^2 /NDF:18.2/13
 All: -0.029 $\pm$ 0.028 χ^2 /NDF: 31.6/26

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026±/0.037 χ^2/NDF : 22.7/16

Left Out: -0.049±/0.028 χ^2/NDF : 16.0/13

Right Out: -0.124±/0.039 χ^2/NDF : 18.3/18

Left In: -0.145±/0.029 χ^2/NDF : 12.9/12

Left: -0.096±/0.020 χ^2/NDF : 34.8/26

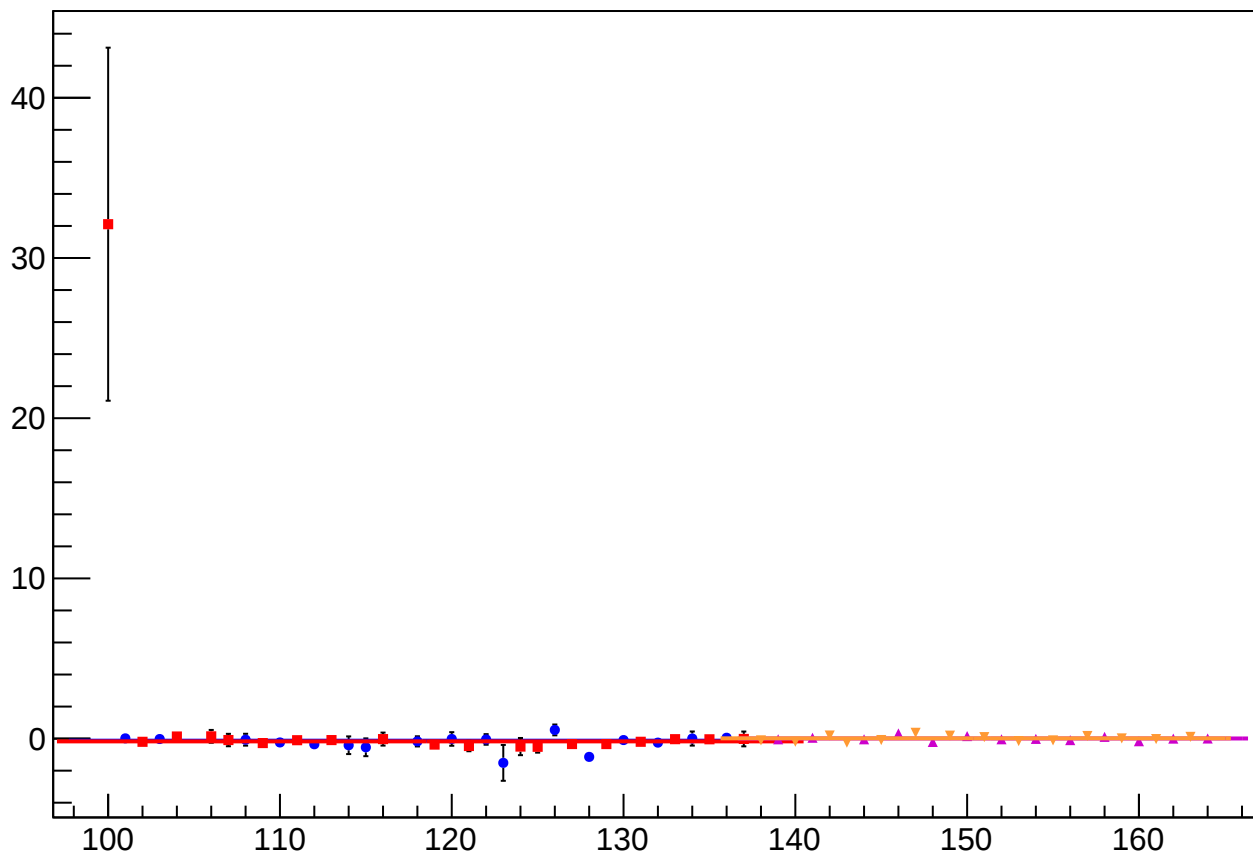
Right: -0.072±/0.027 χ^2/NDF : 44.3/35

In: -0.101±/0.023 χ^2/NDF : 42.2/29

Out: -0.074±/0.023 χ^2/NDF : 36.7/32

All: -0.087±/0.016 χ^2/NDF : 79.6/62

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.1/16$

Left Out: 0.018 ± 0.039 $\chi^2/\text{NDF}: 17.8/13$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 14.9/18$

Left In: 0.009 ± 0.039 $\chi^2/\text{NDF}: 11.9/12$

Left: 0.014 ± 0.028 $\chi^2/\text{NDF}: 29.7/26$

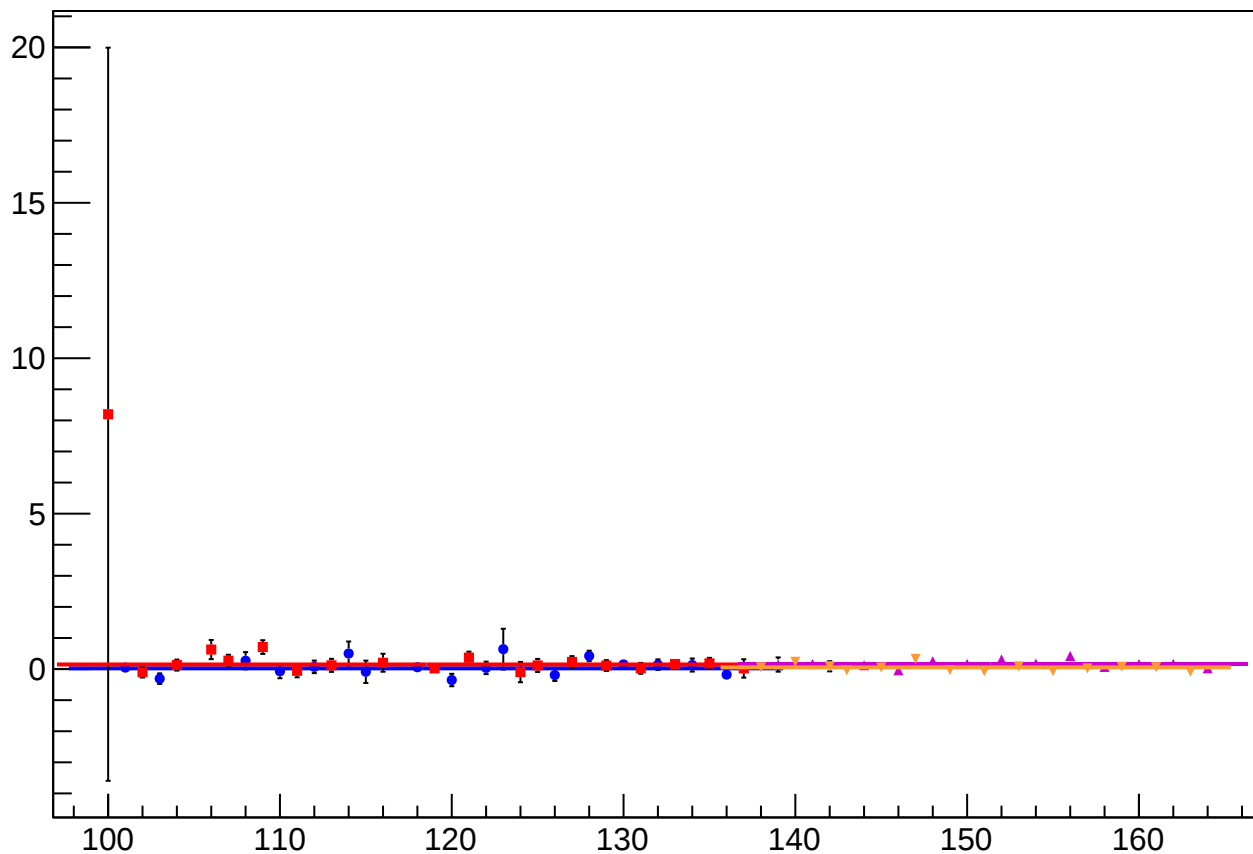
Right: -0.150 ± 0.049 $\chi^2/\text{NDF}: 38.2/35$

In: -0.027 ± 0.034 $\chi^2/\text{NDF}: 38.1/29$

Out: -0.026 ± 0.034 $\chi^2/\text{NDF}: 38.2/32$

All: -0.026 ± 0.024 $\chi^2/\text{NDF}: 76.4/62$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.054+/-0.033 χ^2/NDF :15.1/13

Right Out: 0.148+/-0.045 χ^2/NDF : 16.6/18

Left In: 0.163+/-0.033 χ^2/NDF :11.9/12

Left: 0.107+/-0.023 χ^2/NDF : 32.5/26

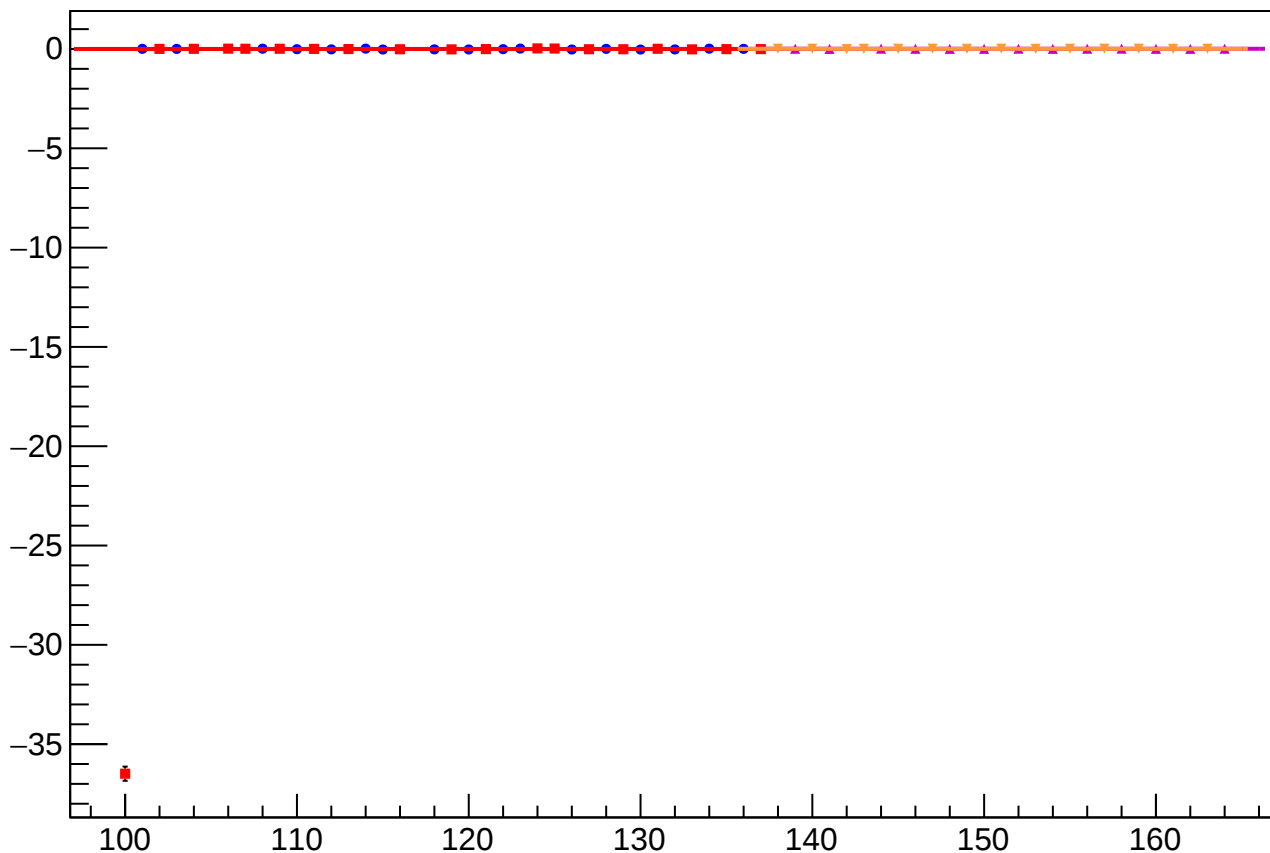
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.110+/-0.026 χ^2/NDF :39.9/29

Out: 0.086+/-0.027 χ^2/NDF :34.5/32

All: 0.098+/-0.019 χ^2/NDF : 74.8/62

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.002 χ^2 /NDF: 6.6/13

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.002 χ^2 /NDF: 5.5/12

Left: 0.011 $\pm$ 0.001 χ^2 /NDF: 12.1/26

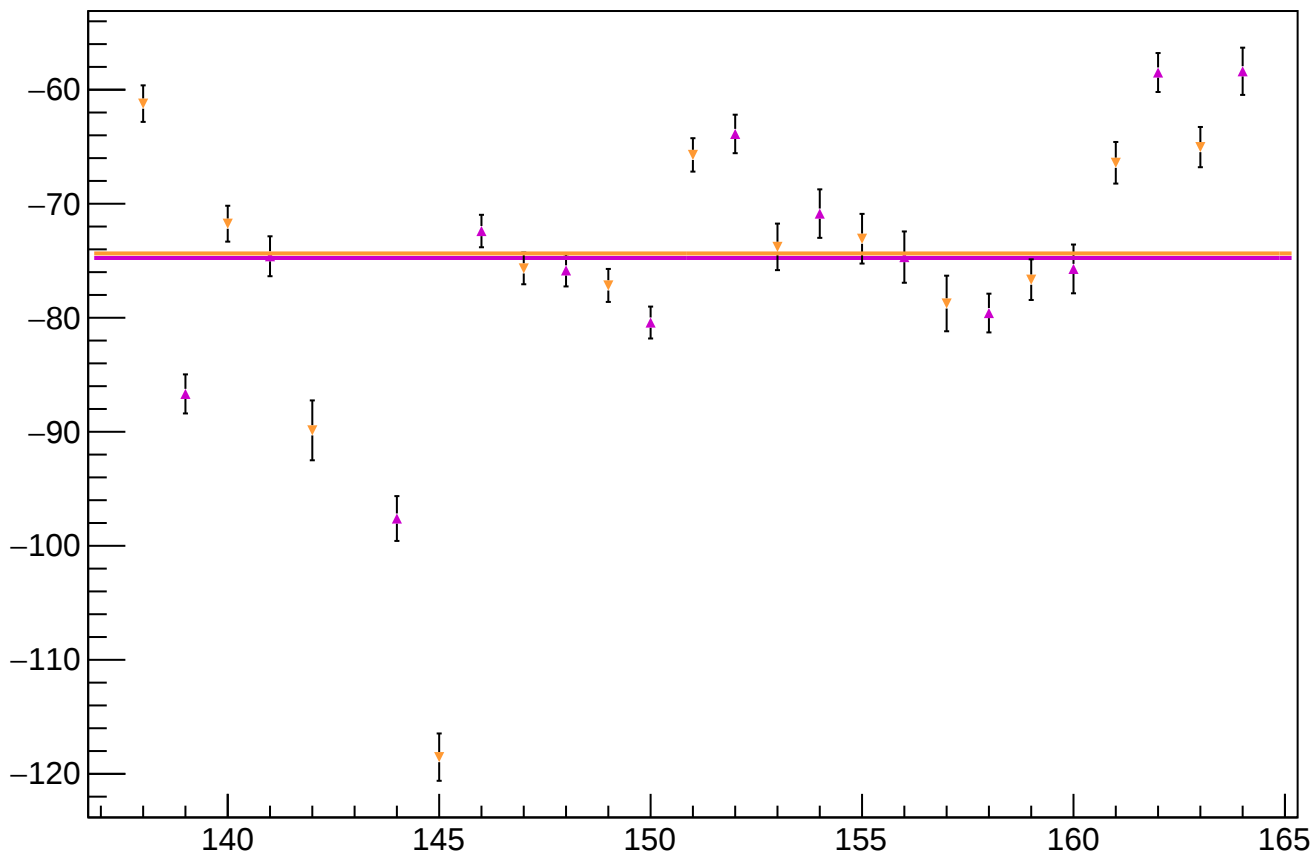
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF: 48.2/29

Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 10467.7/32

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10516.0/62

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: -74.359+/-0.489 χ^2/NDF :649.6/12

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

Left In: -74.758+/-0.480 χ^2/NDF :409.6/12

Left: -74.562+/-0.342 χ^2/NDF : 1059.5/25

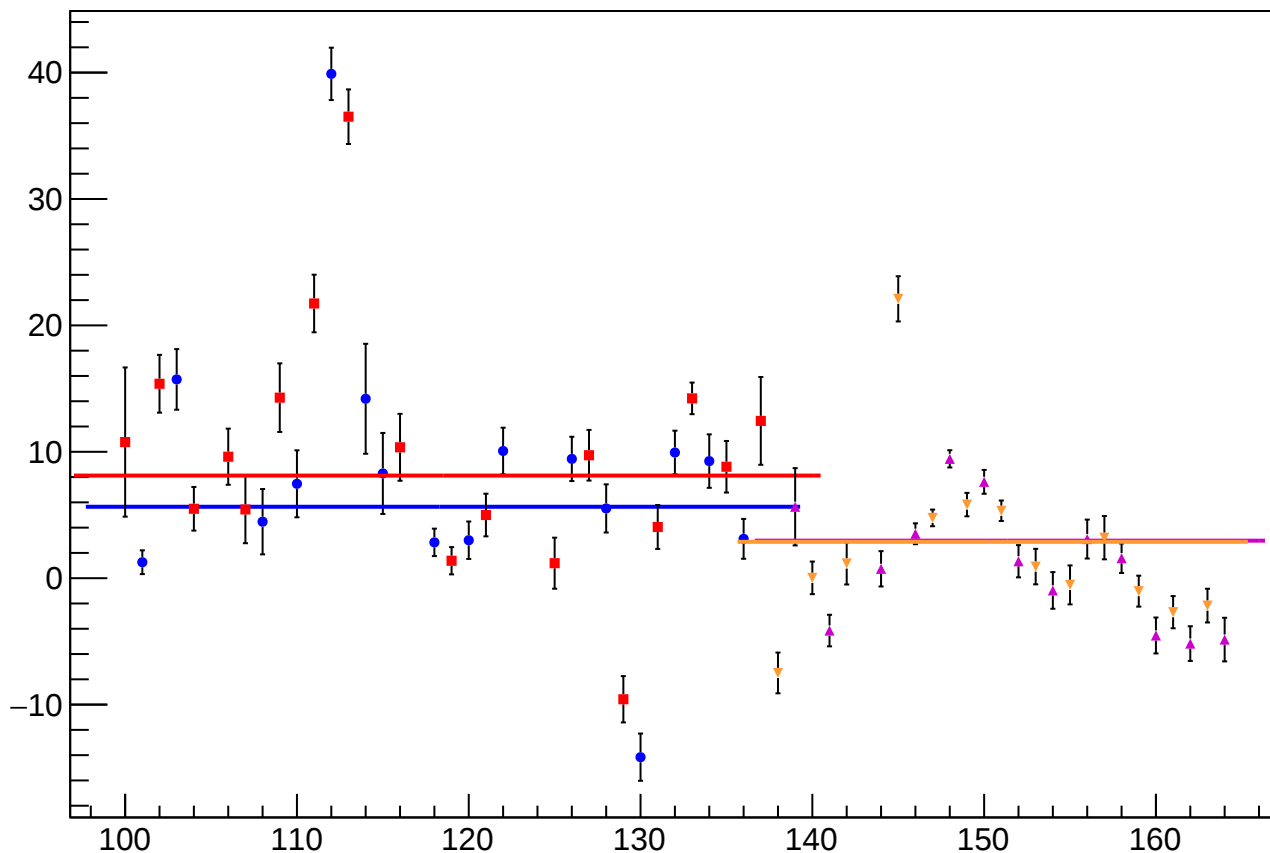
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.758+/-0.480 χ^2/NDF :409.6/12

Out: -74.359+/-0.489 χ^2/NDF :649.6/12

All: -74.562+/-0.342 χ^2/NDF : 1059.5/25

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 $\pm$ 0.429 χ^2 /NDF: 461.9/15

Left Out: 2.879 $\pm$ 0.320 χ^2 /NDF:240.9/12

Right Out: 8.119 $\pm$ 0.453 χ^2 /NDF: 407.9/17

Left In: 2.970 $\pm$ 0.323 χ^2 /NDF:244.6/12

Left: 2.924 $\pm$ 0.227 χ^2 /NDF: 485.6/25

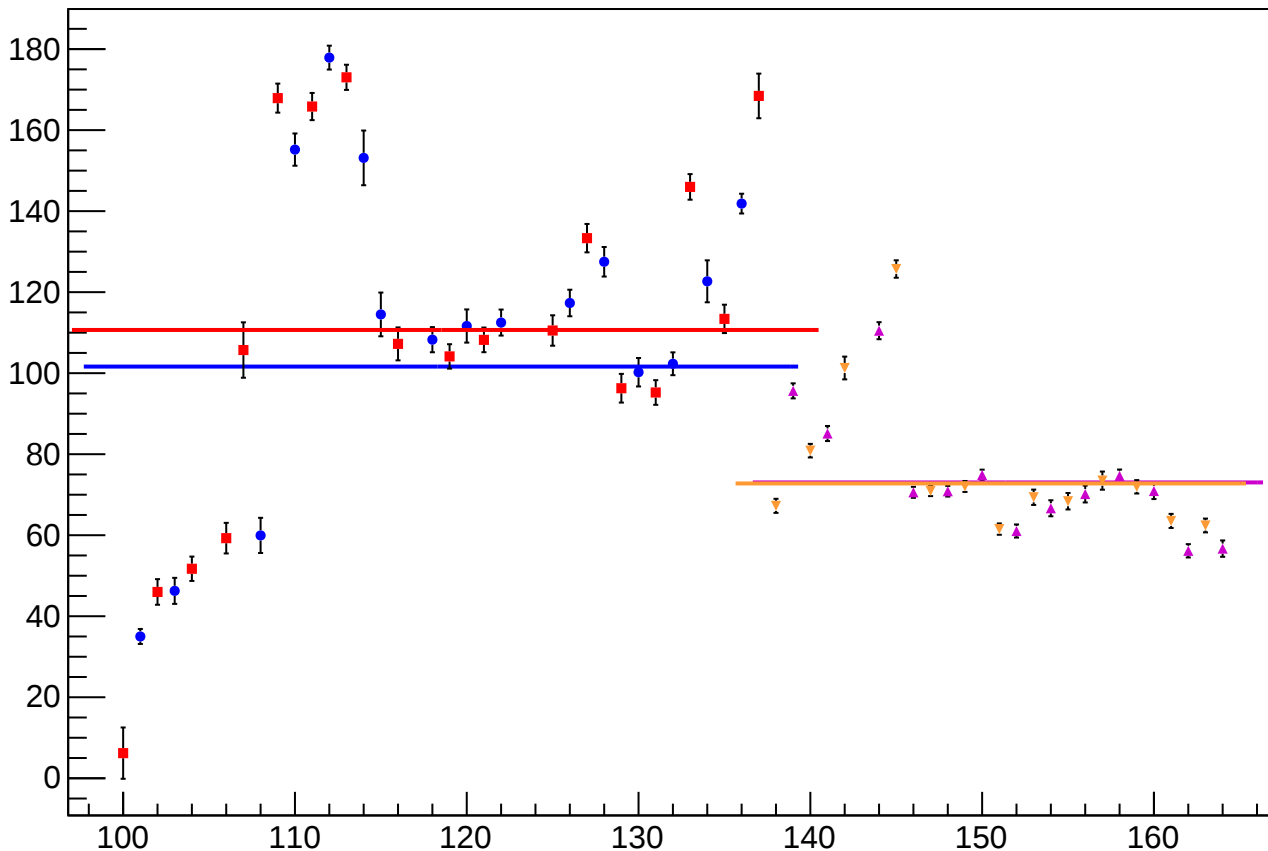
Right: 6.819 $\pm$ 0.311 χ^2 /NDF: 885.4/33

In: 3.938 $\pm$ 0.258 χ^2 /NDF:731.5/28

Out: 4.626 $\pm$ 0.261 χ^2 /NDF:738.2/30

All: 4.277 $\pm$ 0.184 χ^2 /NDF: 1473.1/59

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 72.779 $\pm$ 0.474 χ^2 /NDF:881.0/12

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

Left In: 73.033 $\pm$ 0.464 χ^2 /NDF:756.0/12

Left: 72.908 $\pm$ 0.332 χ^2 /NDF: 1637.1/25

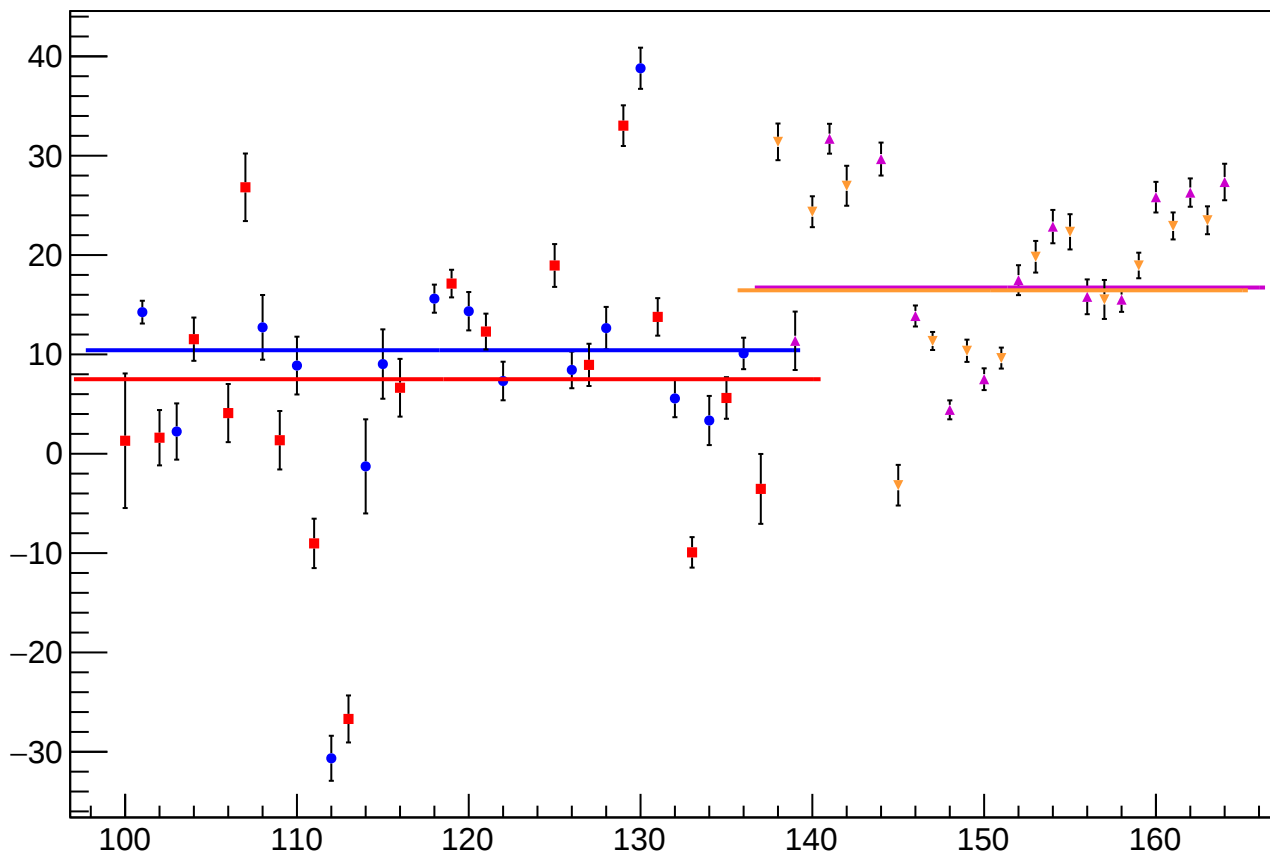
Right: 106.018 $\pm$ 0.583 χ^2 /NDF: 5554.3/33

In: 80.068 $\pm$ 0.403 χ^2 /NDF:4671.3/28

Out: 82.008 $\pm$ 0.413 χ^2 /NDF:4948.5/30

All: 81.014 $\pm$ 0.288 χ^2 /NDF: 9631.1/59

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 16.450 ± 0.386 $\chi^2/\text{NDF}: 381.0/12$

Right Out: 7.502 ± 0.523 $\chi^2/\text{NDF}: 689.4/17$

Left In: 16.731 ± 0.385 $\chi^2/\text{NDF}: 536.4/12$

Left: 16.591 ± 0.273 $\chi^2/\text{NDF}: 917.7/25$

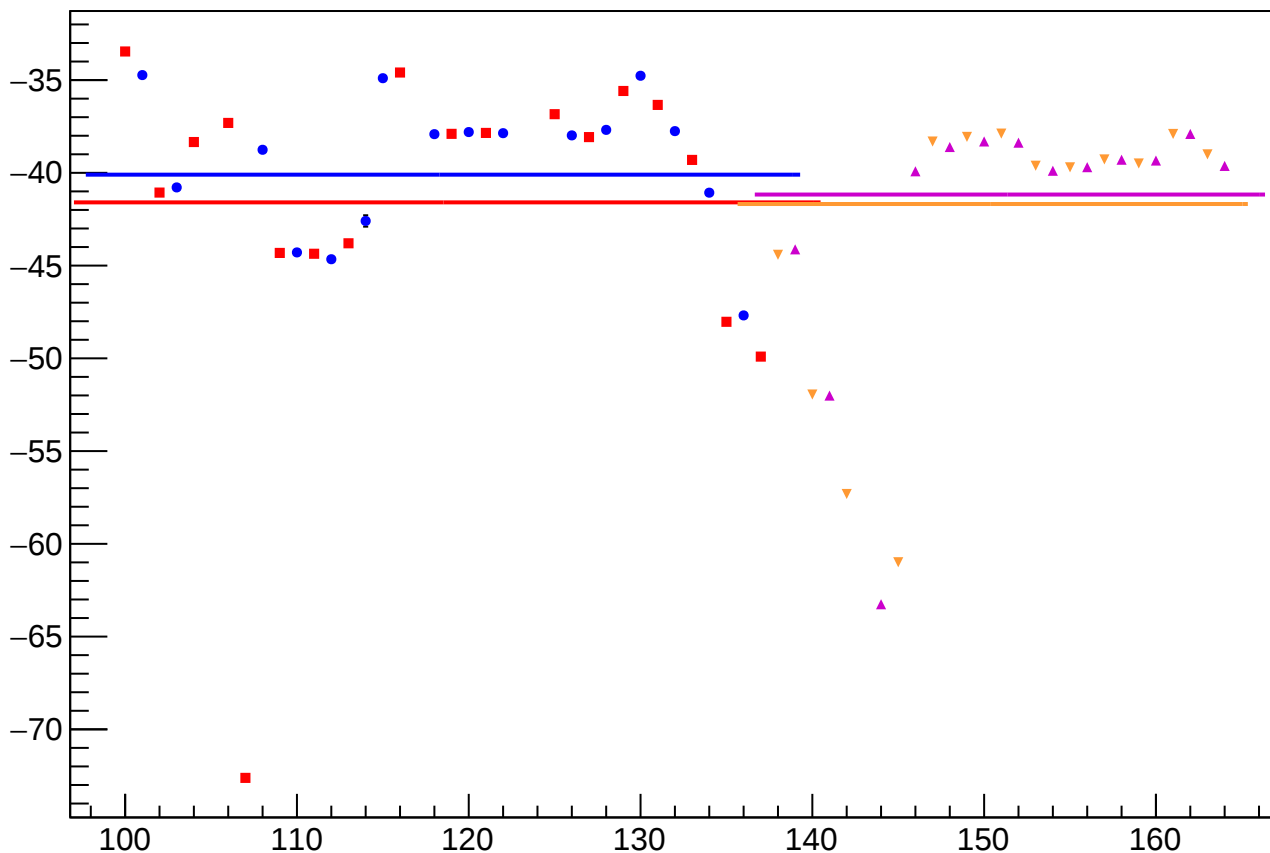
Right: 9.035 ± 0.360 $\chi^2/\text{NDF}: 1285.5/33$

In: 14.365 ± 0.305 $\chi^2/\text{NDF}: 1216.8/28$

Out: 13.300 ± 0.310 $\chi^2/\text{NDF}: 1259.9/30$

All: 13.843 ± 0.217 $\chi^2/\text{NDF}: 2482.7/59$

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -41.680 ± 0.019 χ^2/NDF : 111423.9/12

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

Left In: -41.170 ± 0.018 χ^2/NDF : 92511.4/12

Left: -41.417 ± 0.013 χ^2/NDF : 204308.4/25

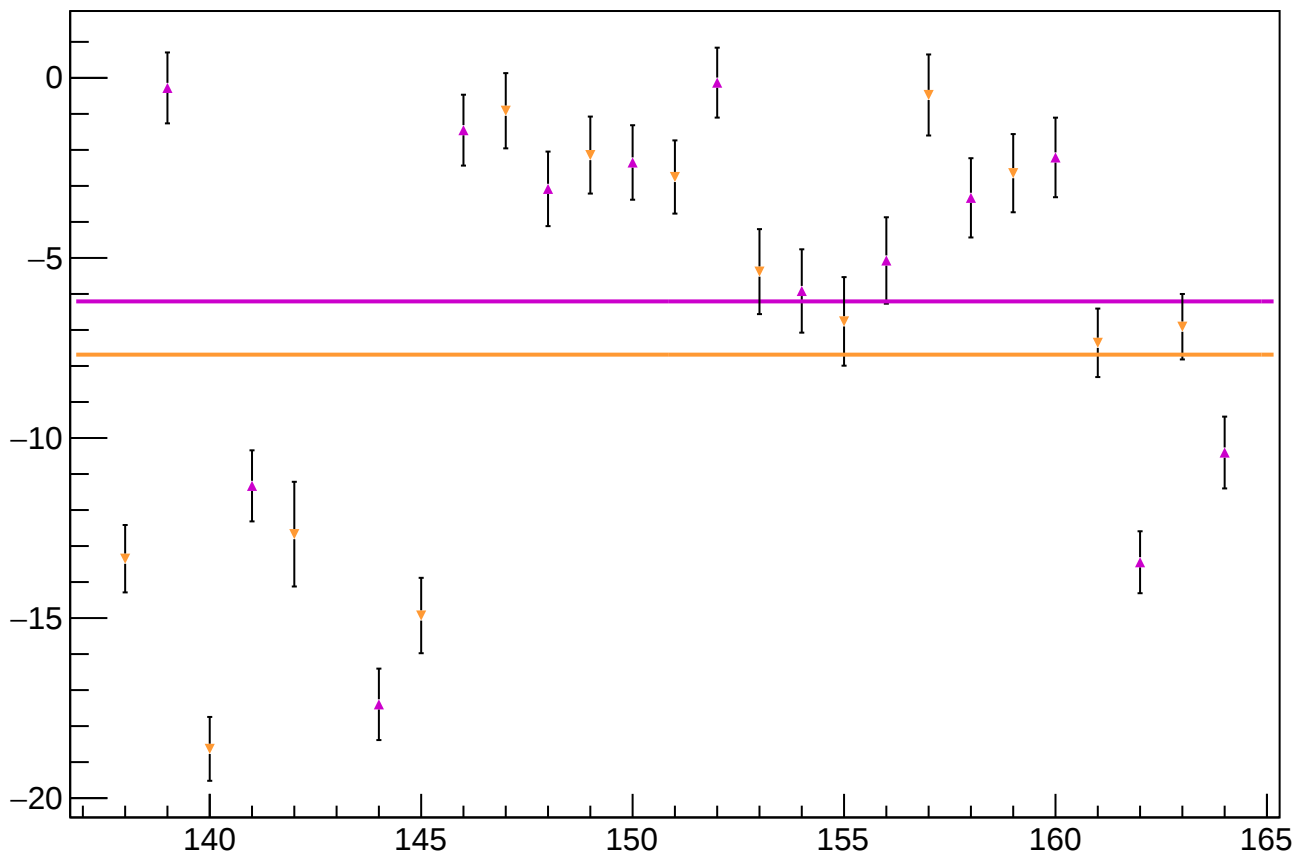
Right: -40.838 ± 0.020 χ^2/NDF : 88129.3/33

In: -40.852 ± 0.015 χ^2/NDF : 118591.8/28

Out: -41.653 ± 0.016 χ^2/NDF : 173108.2/30

All: -41.243 ± 0.011 χ^2/NDF : 293017.4/59

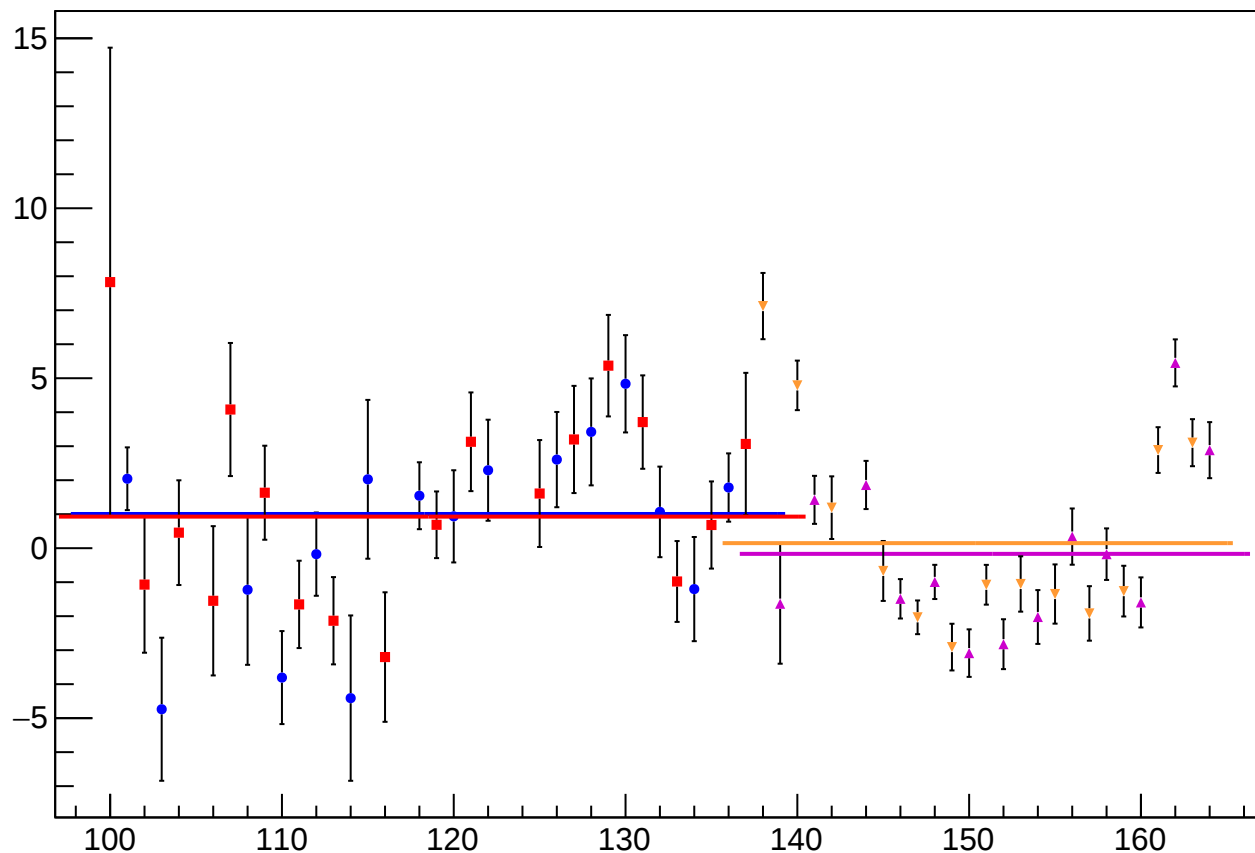
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -7.685 ± 0.290 $\chi^2/\text{NDF}: 409.1/12$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -6.207 ± 0.283 $\chi^2/\text{NDF}: 385.5/12$

Left: -6.928 ± 0.203 $\chi^2/\text{NDF}: 807.8/25$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -6.207 ± 0.283 $\chi^2/\text{NDF}: 385.5/12$
 Out: -7.685 ± 0.290 $\chi^2/\text{NDF}: 409.1/12$
 All: -6.928 ± 0.203 $\chi^2/\text{NDF}: 807.8/25$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 0.149 ± 0.200 $\chi^2/\text{NDF}: 187.7/12$

Right Out: 0.929 ± 0.353 $\chi^2/\text{NDF}: 41.9/17$

Left In: -0.167 ± 0.199 $\chi^2/\text{NDF}: 141.7/12$

Left: -0.010 ± 0.141 $\chi^2/\text{NDF}: 330.6/25$

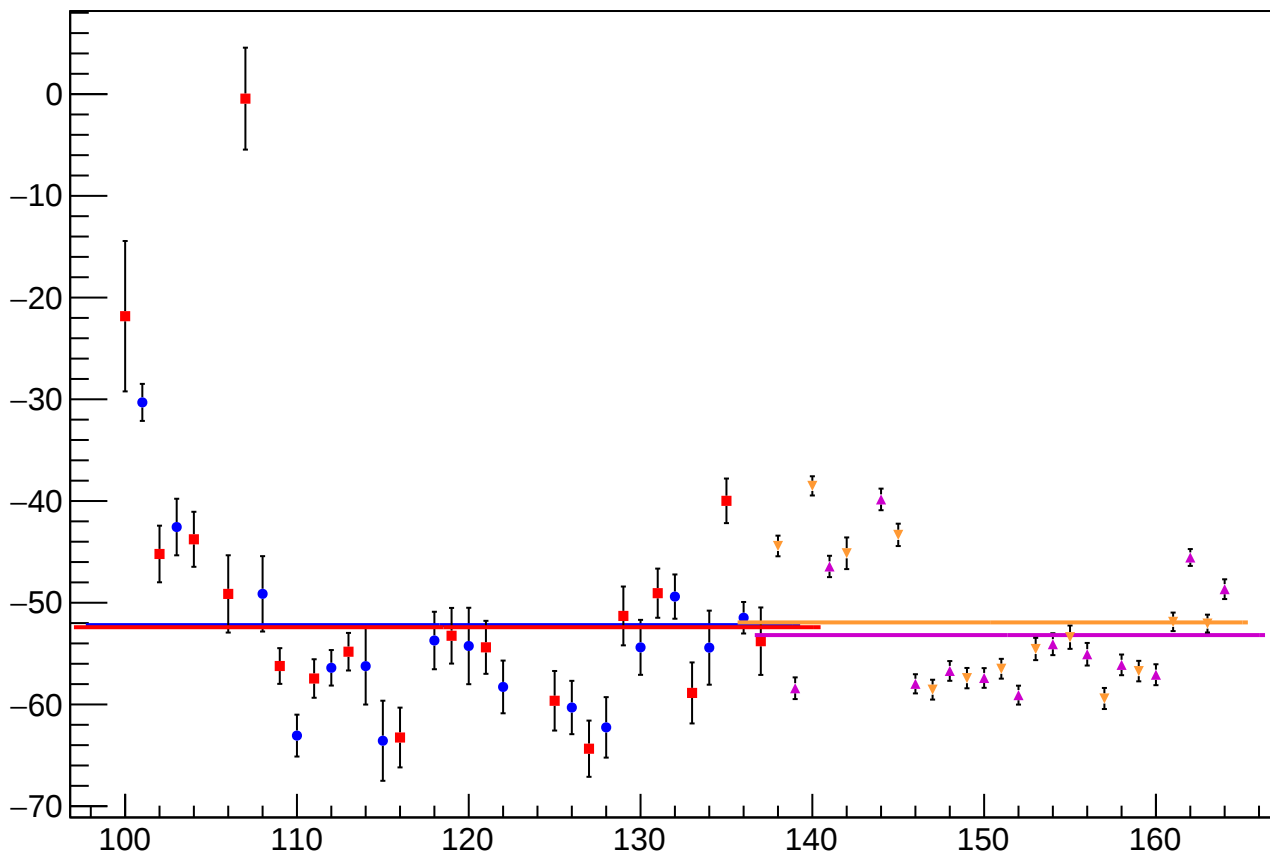
Right: 0.969 ± 0.246 $\chi^2/\text{NDF}: 84.6/33$

In: 0.129 ± 0.172 $\chi^2/\text{NDF}: 193.2/28$

Out: 0.338 ± 0.174 $\chi^2/\text{NDF}: 233.2/30$

All: 0.232 ± 0.122 $\chi^2/\text{NDF}: 427.2/59$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 $\chi^2/\text{NDF}: 230.6/15$

Left Out: -51.935 ± 0.283 $\chi^2/\text{NDF}: 517.1/12$

Right Out: -52.407 ± 0.616 $\chi^2/\text{NDF}: 233.9/17$

Left In: -53.180 ± 0.275 $\chi^2/\text{NDF}: 454.4/12$

Left: -52.575 ± 0.197 $\chi^2/\text{NDF}: 981.4/25$

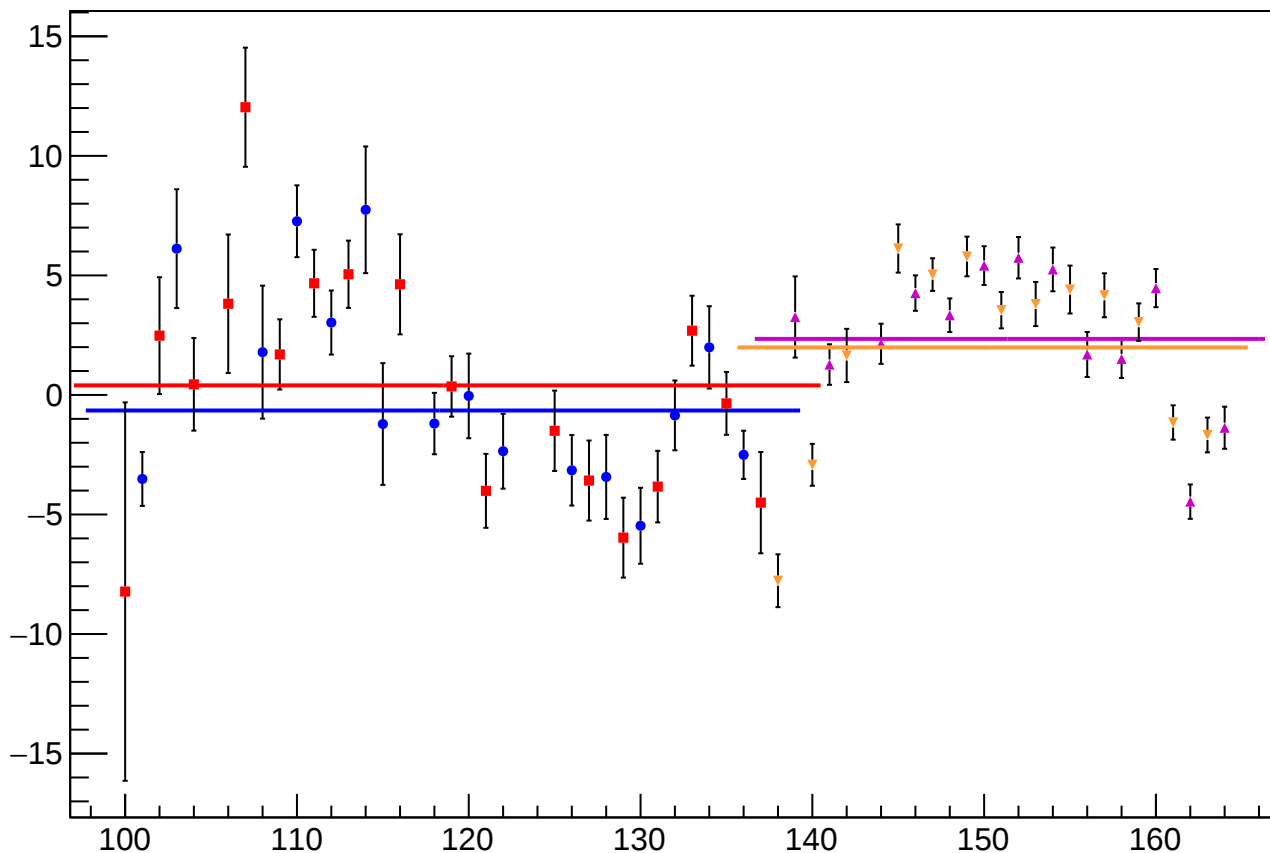
Right: -52.303 ± 0.435 $\chi^2/\text{NDF}: 464.6/33$

In: -53.016 ± 0.251 $\chi^2/\text{NDF}: 687.1/28$

Out: -52.017 ± 0.257 $\chi^2/\text{NDF}: 751.5/30$

All: -52.529 ± 0.180 $\chi^2/\text{NDF}: 1446.4/59$

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: 1.988 ± 0.235 χ^2/NDF : 233.2/12

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

Left In: 2.345 ± 0.232 χ^2/NDF : 166.5/12

Left: 2.169 ± 0.165 χ^2/NDF : 400.8/25

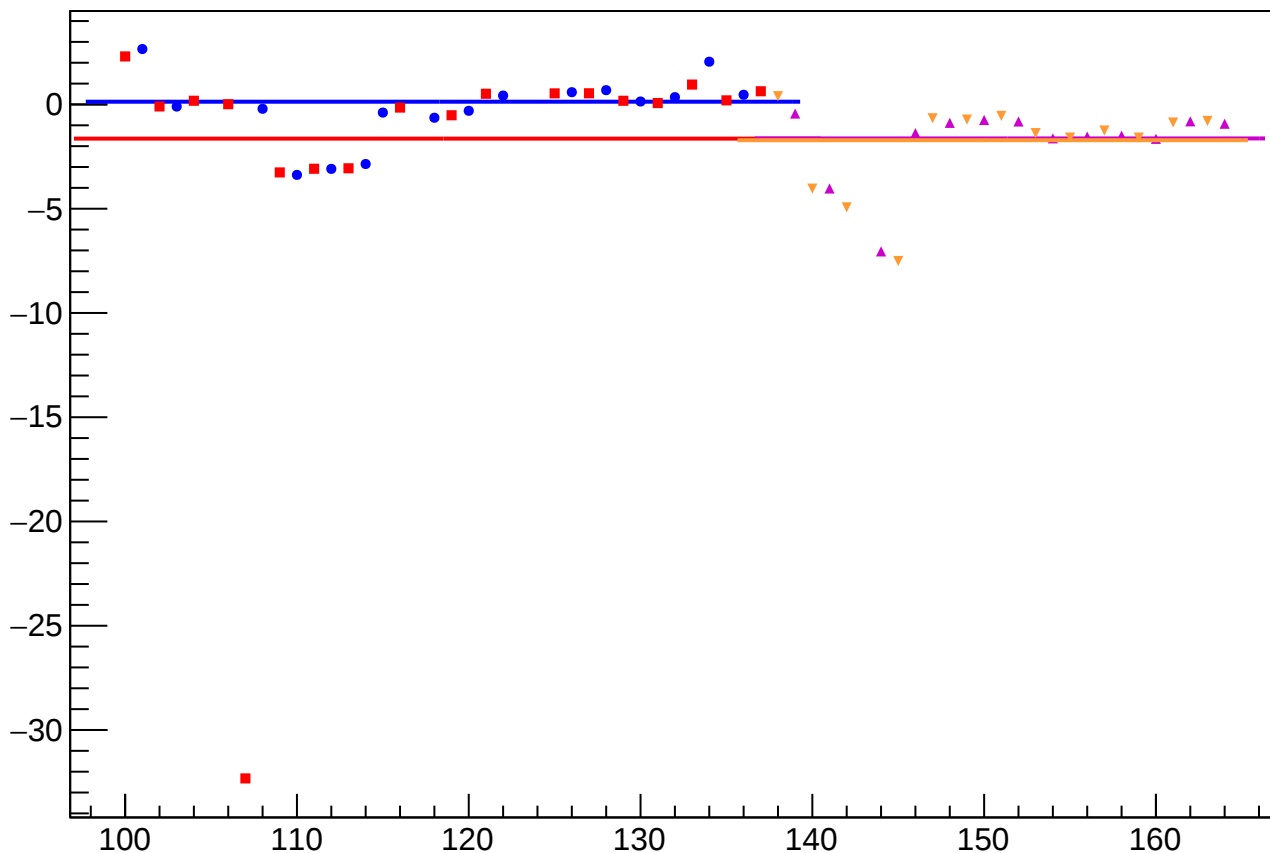
Right: -0.142 ± 0.278 χ^2/NDF : 181.4/33

In: 1.551 ± 0.199 χ^2/NDF : 292.4/28

Out: 1.579 ± 0.203 χ^2/NDF : 340.8/30

All: 1.565 ± 0.142 χ^2/NDF : 633.3/59

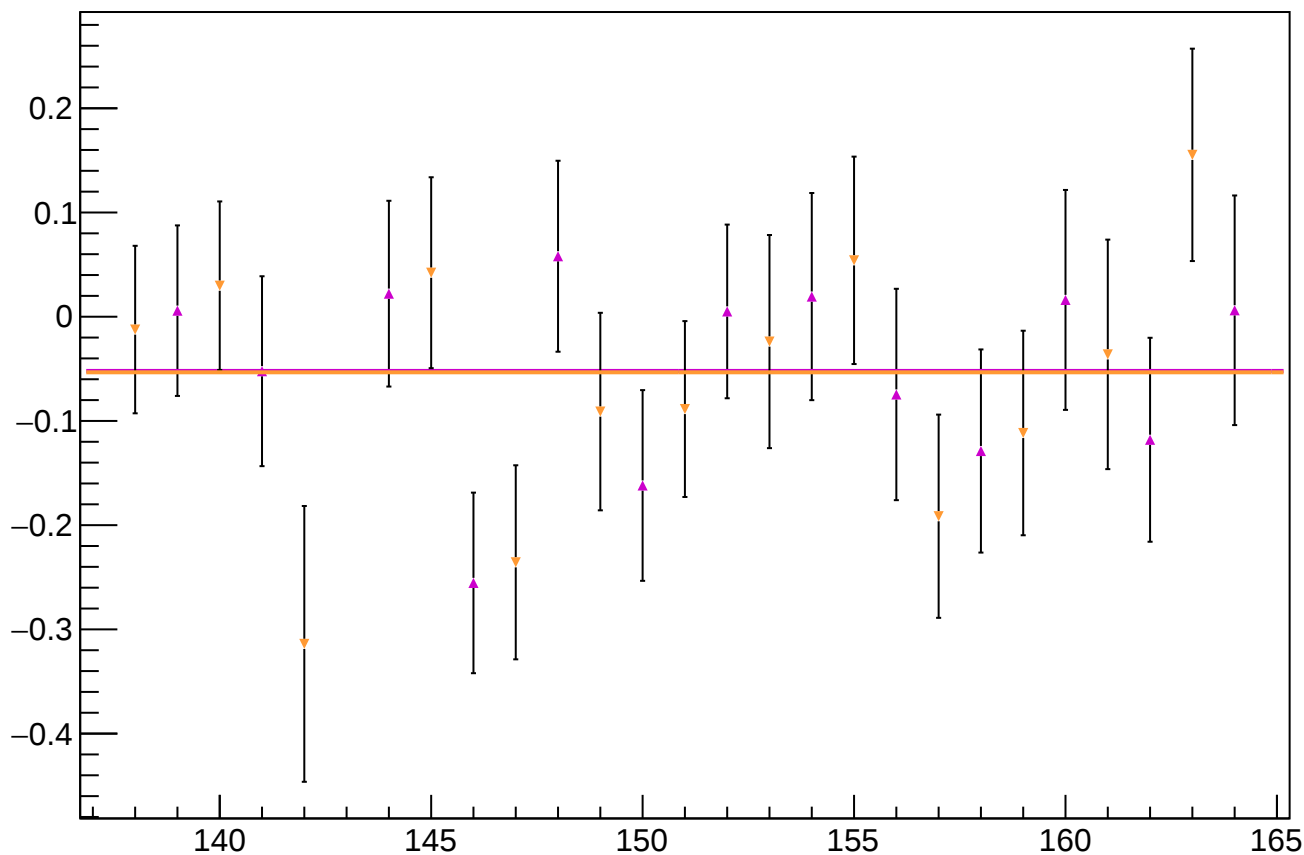
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$
 Left Out: -1.715 ± 0.011 $\chi^2/\text{NDF}: 30098.3/12$
 Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$
 Left In: -1.630 ± 0.011 $\chi^2/\text{NDF}: 20135.5/12$

Left: -1.671 ± 0.008 $\chi^2/\text{NDF}: 50264.2/25$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -1.277 ± 0.010 $\chi^2/\text{NDF}: 30721.8/28$
 Out: -1.699 ± 0.010 $\chi^2/\text{NDF}: 107956.5/30$
 All: -1.483 ± 0.007 $\chi^2/\text{NDF}: 139613.9/59$

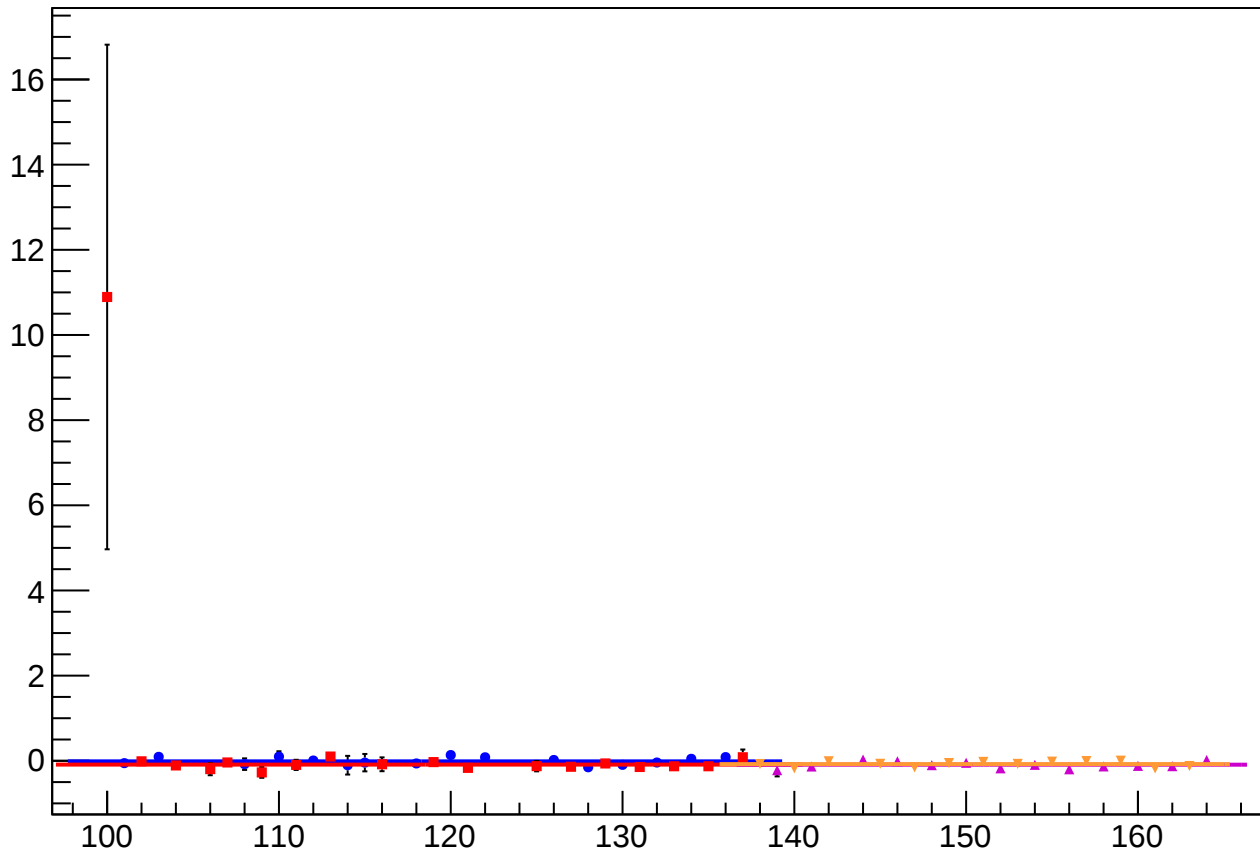
reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.053 $\pm$ 0.026 χ^2 /NDF:18.3/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.052 $\pm$ 0.026 χ^2 /NDF:12.4/12

Left: -0.053 $\pm$ 0.018 χ^2 /NDF: 30.7/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.052 $\pm$ 0.026 χ^2 /NDF:12.4/12
 Out: -0.053 $\pm$ 0.026 χ^2 /NDF:18.3/12
 All: -0.053 $\pm$ 0.018 χ^2 /NDF: 30.7/25

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: -0.078 $\pm$ 0.018 χ^2 /NDF:12.4/12

Right Out: -0.089 $\pm$ 0.025 χ^2 /NDF: 13.0/17

Left In: -0.091 $\pm$ 0.018 χ^2 /NDF:14.1/12

Left: -0.085 $\pm$ 0.013 χ^2 /NDF: 26.8/25

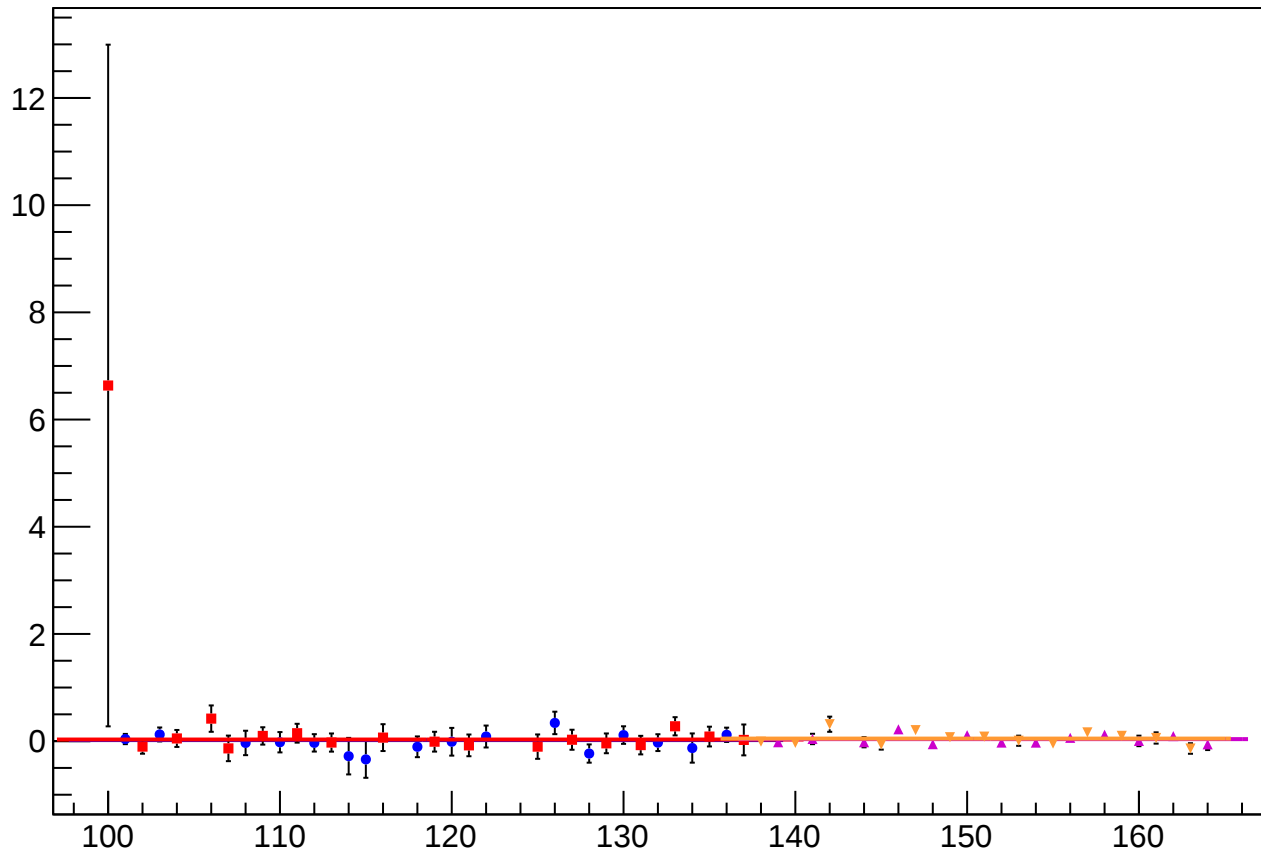
Right: -0.049 $\pm$ 0.017 χ^2 /NDF: 29.6/33

In: -0.062 $\pm$ 0.014 χ^2 /NDF:32.8/28

Out: -0.082 $\pm$ 0.015 χ^2 /NDF:25.5/30

All: -0.072 $\pm$ 0.010 χ^2 /NDF: 59.2/59

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: 0.047+/-0.026 χ^2/NDF :16.5/12

Right Out: 0.030+/-0.045 χ^2/NDF : 9.2/17

Left In: 0.038+/-0.025 χ^2/NDF :10.9/12

Left: 0.042+/-0.018 χ^2/NDF : 27.5/25

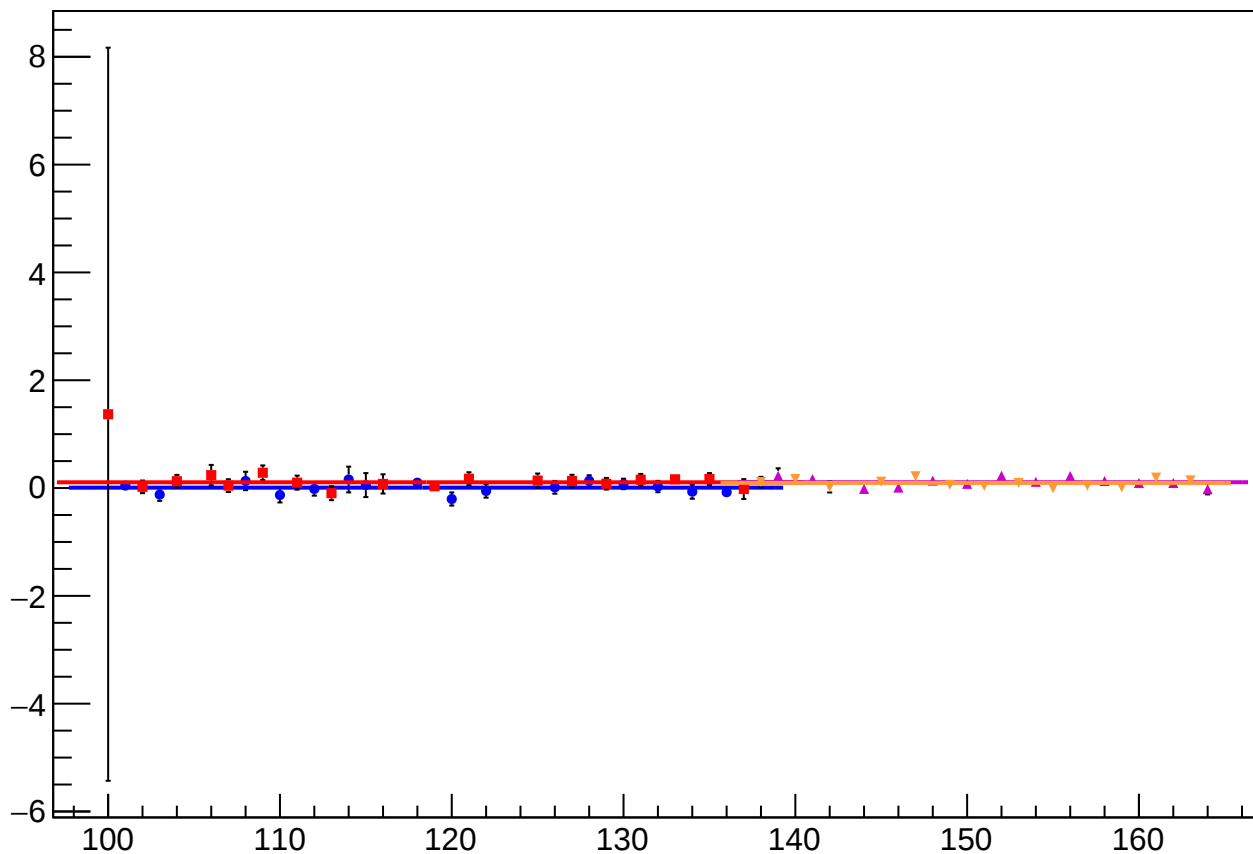
Right: 0.025+/-0.031 χ^2/NDF : 18.3/33

In: 0.033+/-0.022 χ^2/NDF :20.1/28

Out: 0.043+/-0.022 χ^2/NDF :25.8/30

All: 0.038+/-0.016 χ^2/NDF : 46.1/59

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.096 $\pm$ 0.022 χ^2 /NDF:11.5/12

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

Left In: 0.108 $\pm$ 0.021 χ^2 /NDF:13.2/12

Left: 0.102 $\pm$ 0.015 χ^2 /NDF: 24.9/25

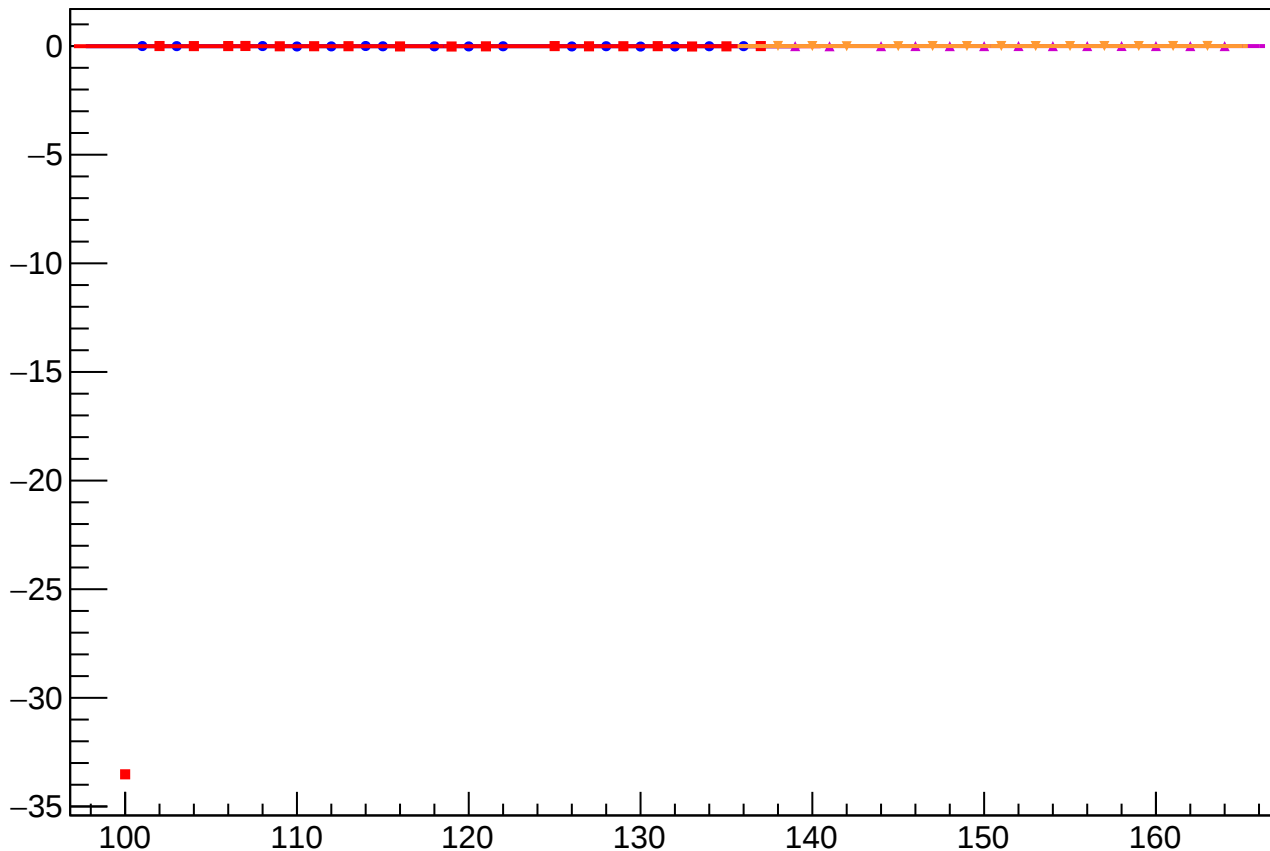
Right: 0.054 $\pm$ 0.020 χ^2 /NDF: 25.8/33

In: 0.070 $\pm$ 0.017 χ^2 /NDF:33.0/28

Out: 0.100 $\pm$ 0.017 χ^2 /NDF:19.7/30

All: 0.084 $\pm$ 0.012 χ^2 /NDF: 54.4/59

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: 8.4/12

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.7/17

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF: 7.5/12

Left: 0.001 $\pm$ 0.001 χ^2 /NDF: 16.8/25

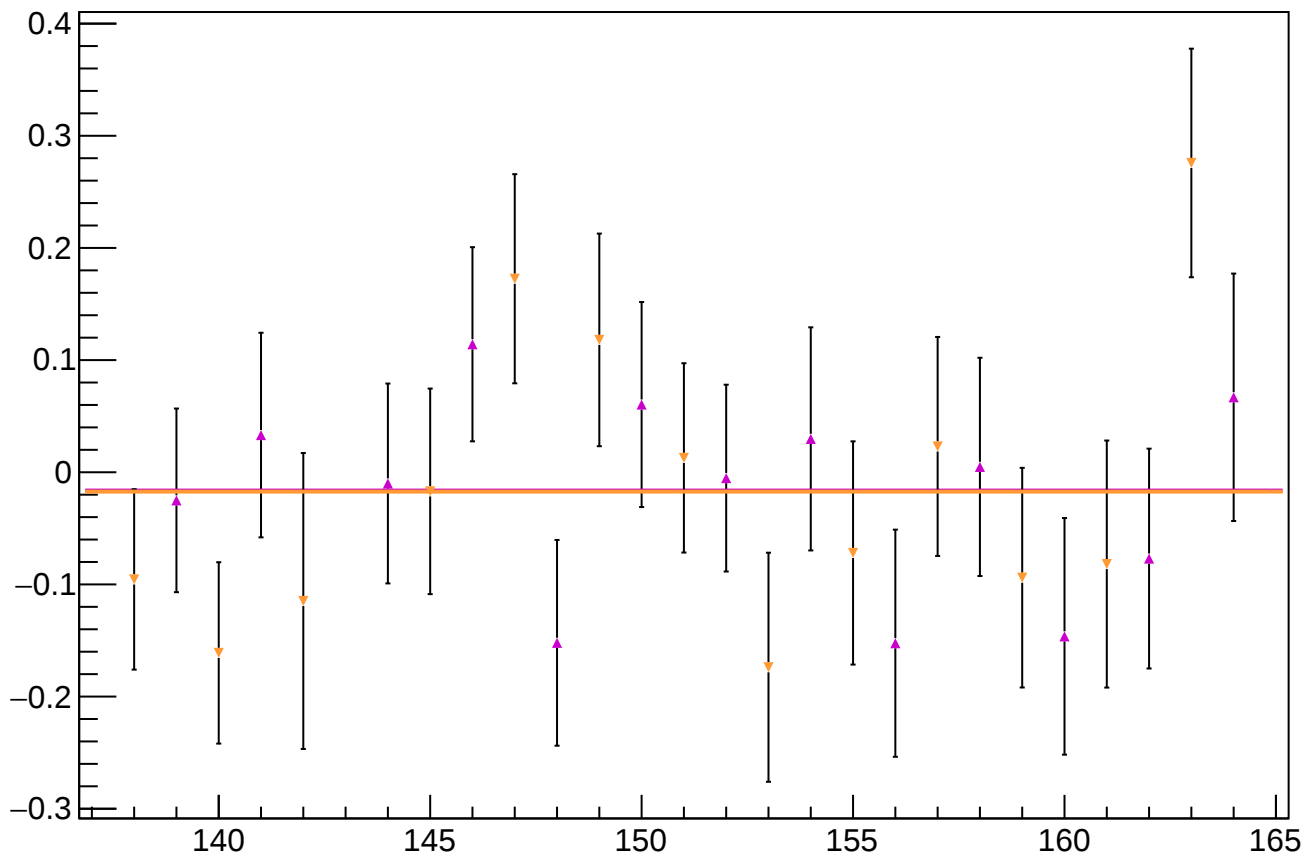
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26530.6/33

In: -0.002 $\pm$ 0.001 χ^2 /NDF: 39.0/28

Out: -0.001 $\pm$ 0.001 χ^2 /NDF: 26534.4/30

All: -0.001 $\pm$ 0.001 χ^2 /NDF: 26573.8/59

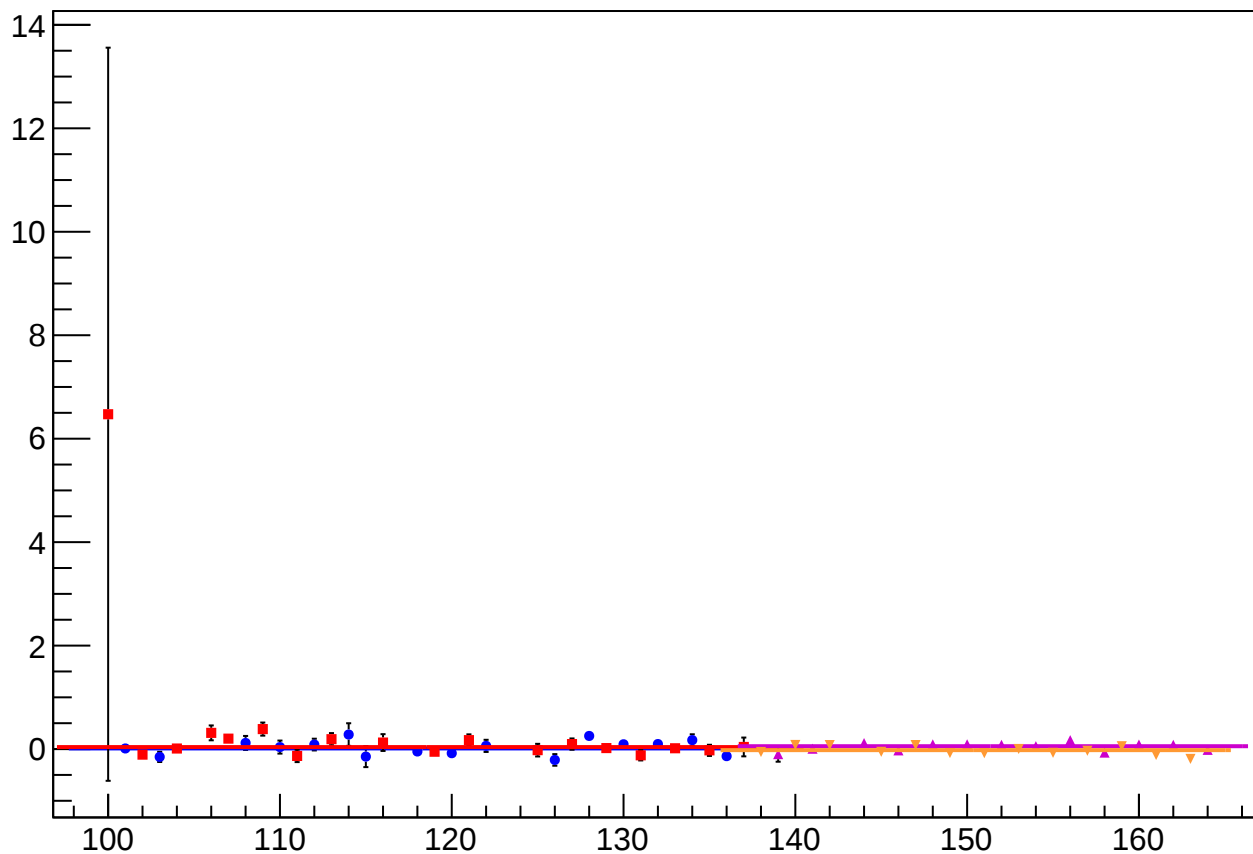
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.017+/-0.026 χ^2 /NDF:23.0/12
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: -0.016+/-0.026 χ^2 /NDF:10.0/12

Left: -0.017+/-0.018 χ^2 /NDF: 33.0/25
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 In: -0.016+/-0.026 χ^2 /NDF:10.0/12
 Out: -0.017+/-0.026 χ^2 /NDF:23.0/12
 All: -0.017+/-0.018 χ^2 /NDF: 33.0/25

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: -0.021 $\pm$ 0.018 χ^2 /NDF:19.4/12

Right Out: 0.038 $\pm$ 0.025 χ^2 /NDF: 28.4/17

Left In: 0.055 $\pm$ 0.018 χ^2 /NDF:13.3/12

Left: 0.017 $\pm$ 0.013 χ^2 /NDF: 41.4/25

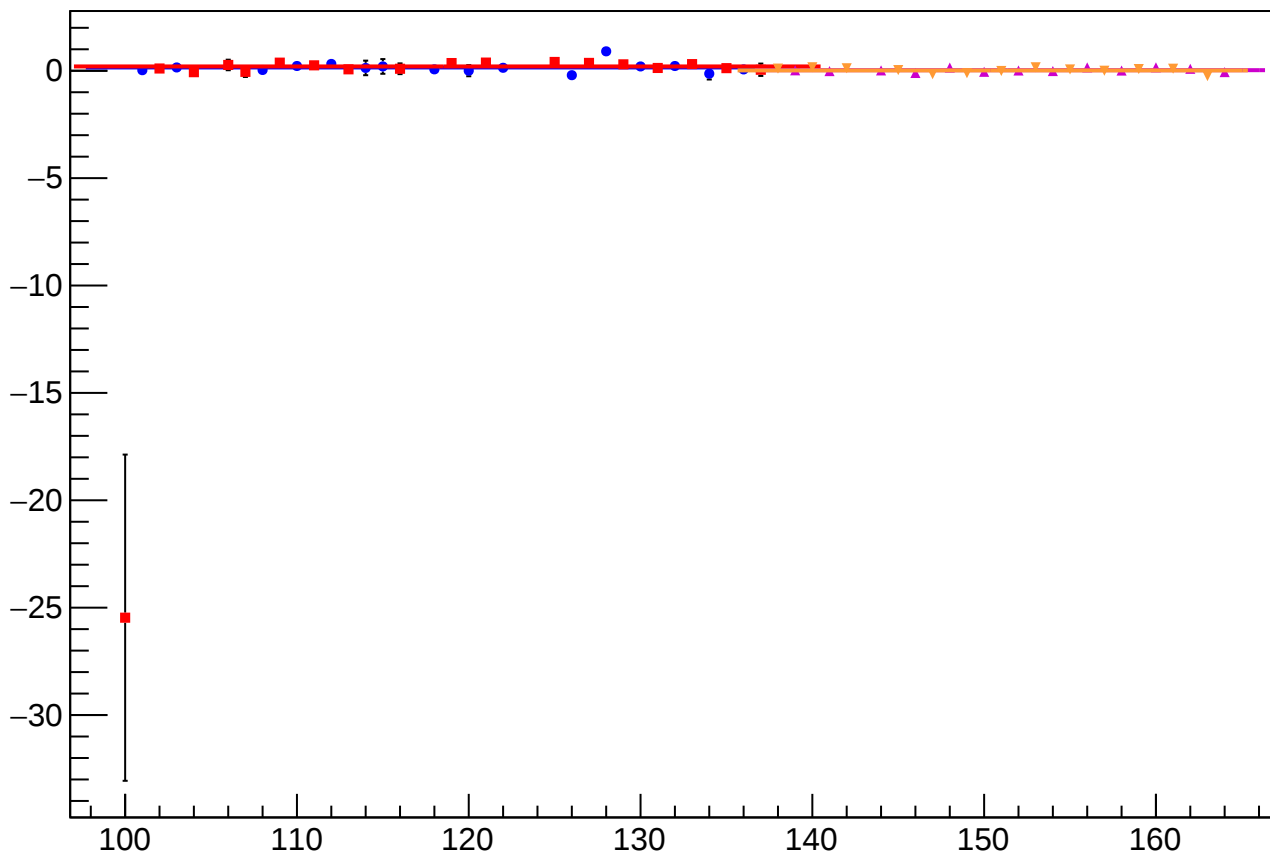
Right: 0.025 $\pm$ 0.017 χ^2 /NDF: 54.0/33

In: 0.039 $\pm$ 0.014 χ^2 /NDF:40.4/28

Out: -0.000 $\pm$ 0.015 χ^2 /NDF:51.5/30

All: 0.020 $\pm$ 0.010 χ^2 /NDF: 95.5/59

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.016+/-0.026 χ^2/NDF : 21.6/12

Right Out: 0.201+/-0.045 χ^2/NDF : 22.6/17

Left In: 0.027+/-0.025 χ^2/NDF : 10.5/12

Left: 0.022+/-0.018 χ^2/NDF : 32.2/25

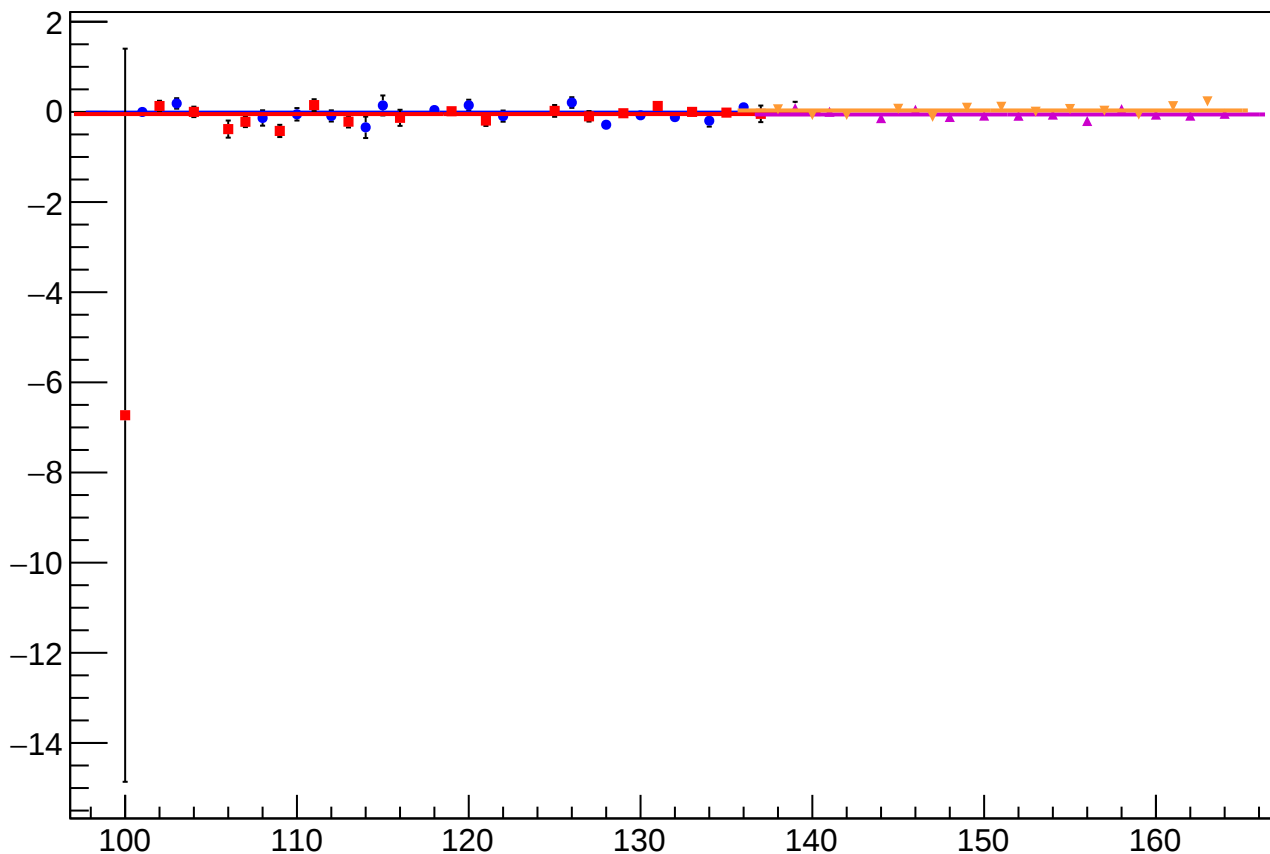
Right: 0.177+/-0.031 χ^2/NDF : 51.1/33

In: 0.060+/-0.022 χ^2/NDF : 45.0/28

Out: 0.062+/-0.022 χ^2/NDF : 56.9/30

All: 0.061+/-0.016 χ^2/NDF : 101.9/59

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.032 ± 0.022 χ^2/NDF : 20.0/12

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

Left In: -0.057 ± 0.021 χ^2/NDF : 12.6/12

Left: -0.013 ± 0.015 χ^2/NDF : 41.2/25

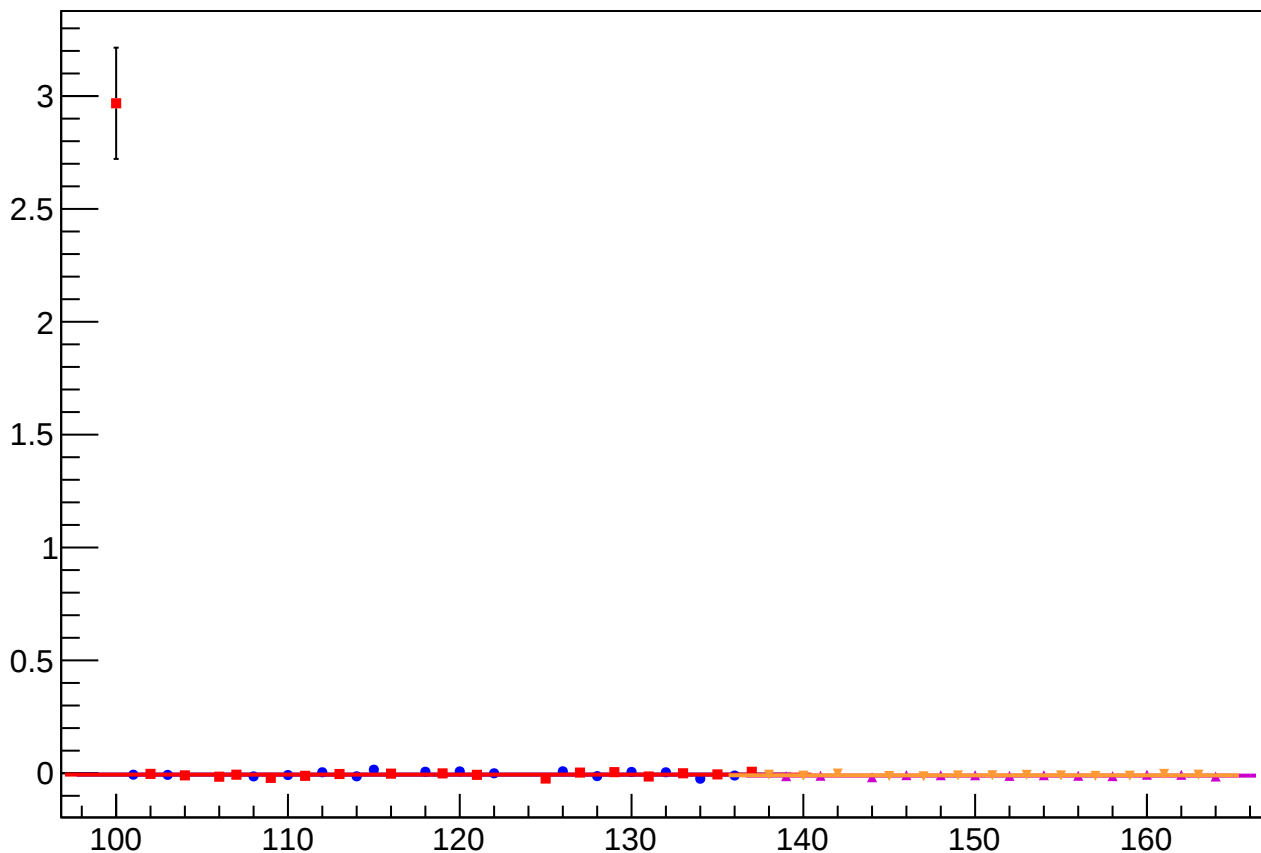
Right: -0.031 ± 0.020 χ^2/NDF : 51.0/33

In: -0.041 ± 0.017 χ^2/NDF : 38.4/28

Out: 0.003 ± 0.017 χ^2/NDF : 51.0/30

All: -0.020 ± 0.012 χ^2/NDF : 92.7/59

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2/NDF : 27.3/15

Left Out: -0.009+/-0.001 χ^2/NDF :9.1/12

Right Out: -0.006+/-0.001 χ^2/NDF : 165.9/17

Left In: -0.011+/-0.001 χ^2/NDF :8.1/12

Left: -0.010+/-0.001 χ^2/NDF : 18.2/25

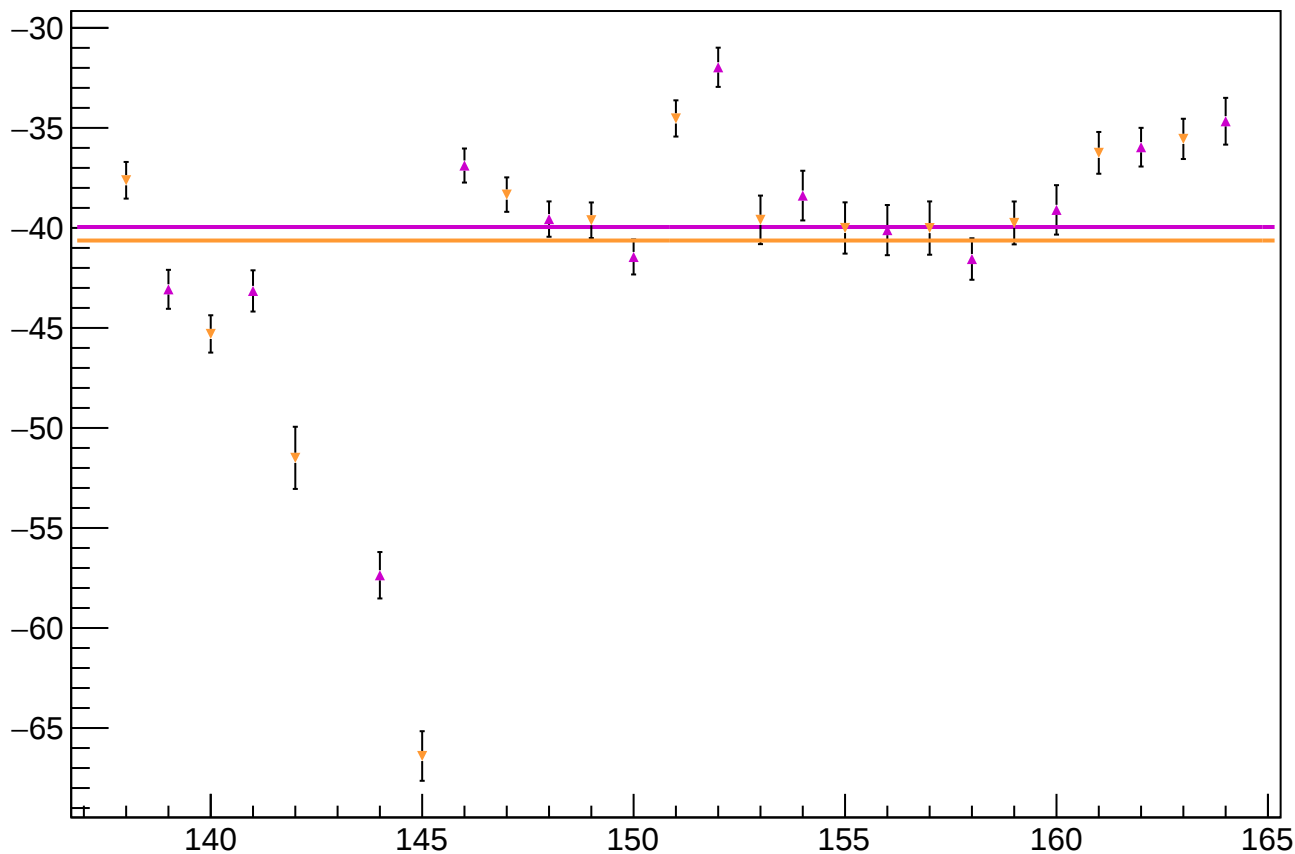
Right: -0.006+/-0.001 χ^2/NDF : 193.3/33

In: -0.009+/-0.001 χ^2/NDF :41.8/28

Out: -0.008+/-0.001 χ^2/NDF :178.3/30

All: -0.009+/-0.001 χ^2/NDF : 220.9/59

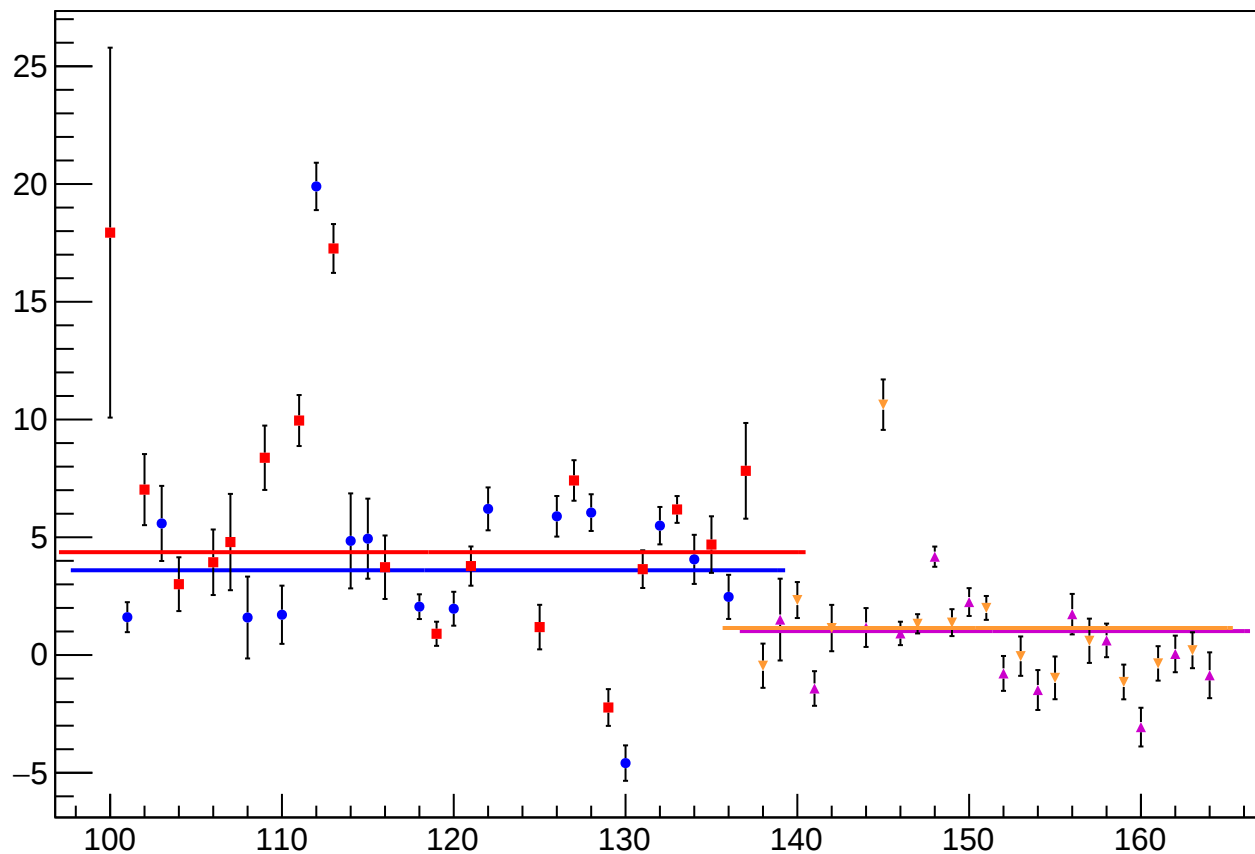
reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -40.630+/-0.290 χ^2/NDF :615.7/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -39.954+/-0.284 χ^2/NDF :369.4/12

Left: -40.284+/-0.203 χ^2/NDF : 987.8/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -39.954+/-0.284 χ^2/NDF :369.4/12
 Out: -40.630+/-0.290 χ^2/NDF :615.7/12
 All: -40.284+/-0.203 χ^2/NDF : 987.8/25

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: 1.148 ± 0.193 χ^2/NDF : 110.1/12

Right Out: 4.367 ± 0.225 χ^2/NDF : 353.1/17

Left In: 1.016 ± 0.193 χ^2/NDF : 115.2/12

Left: 1.082 ± 0.137 χ^2/NDF : 225.6/25

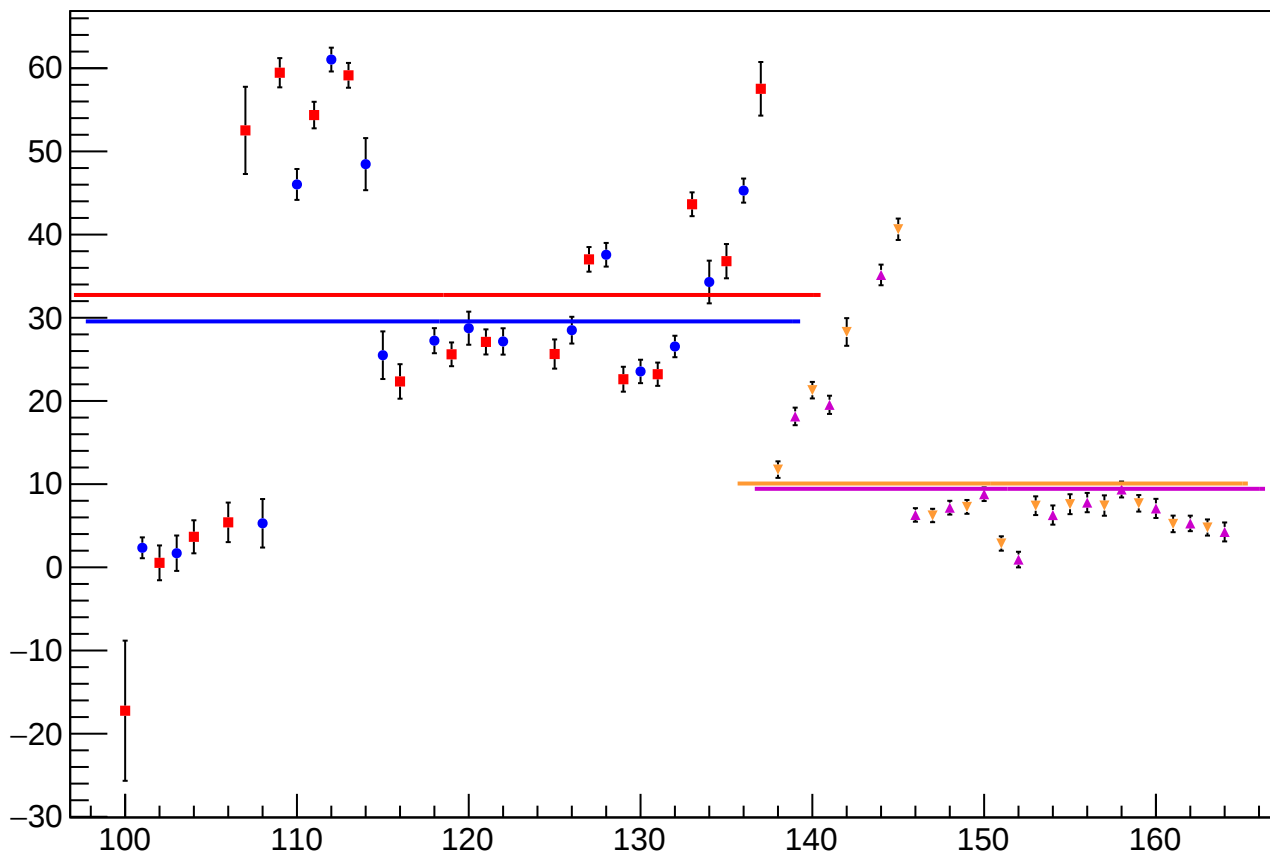
Right: 3.975 ± 0.157 χ^2/NDF : 802.5/33

In: 2.140 ± 0.145 χ^2/NDF : 636.2/28

Out: 2.512 ± 0.146 χ^2/NDF : 581.4/30

All: 2.325 ± 0.103 χ^2/NDF : 1220.9/59

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 $\pm$ 0.420 χ^2/NDF : 1494.6/15

Left Out: 10.074 $\pm$ 0.282 χ^2/NDF : 992.4/12

Right Out: 32.741 $\pm$ 0.423 χ^2/NDF : 1663.3/17

Left In: 9.437 $\pm$ 0.275 χ^2/NDF : 741.6/12

Left: 9.747 $\pm$ 0.197 χ^2/NDF : 1736.6/25

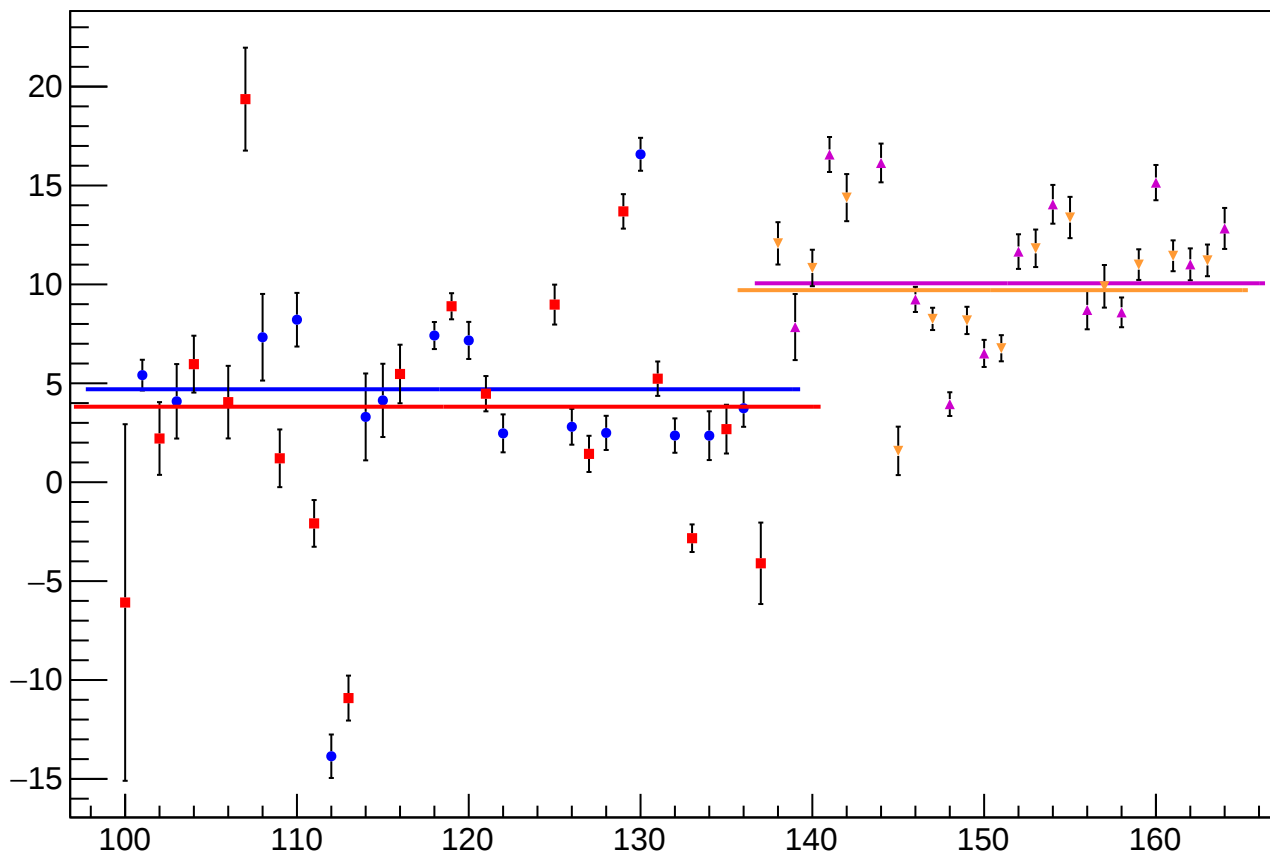
Right: 31.140 $\pm$ 0.298 χ^2/NDF : 3186.3/33

In: 15.482 $\pm$ 0.230 χ^2/NDF : 3846.4/28

Out: 17.064 $\pm$ 0.235 χ^2/NDF : 4644.2/30

All: 16.256 $\pm$ 0.164 χ^2/NDF : 8513.8/59

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.709 ± 0.231 χ^2/NDF : 125.8/12

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

Left In: 10.057 ± 0.230 χ^2/NDF : 293.6/12

Left: 9.884 ± 0.163 χ^2/NDF : 420.5/25

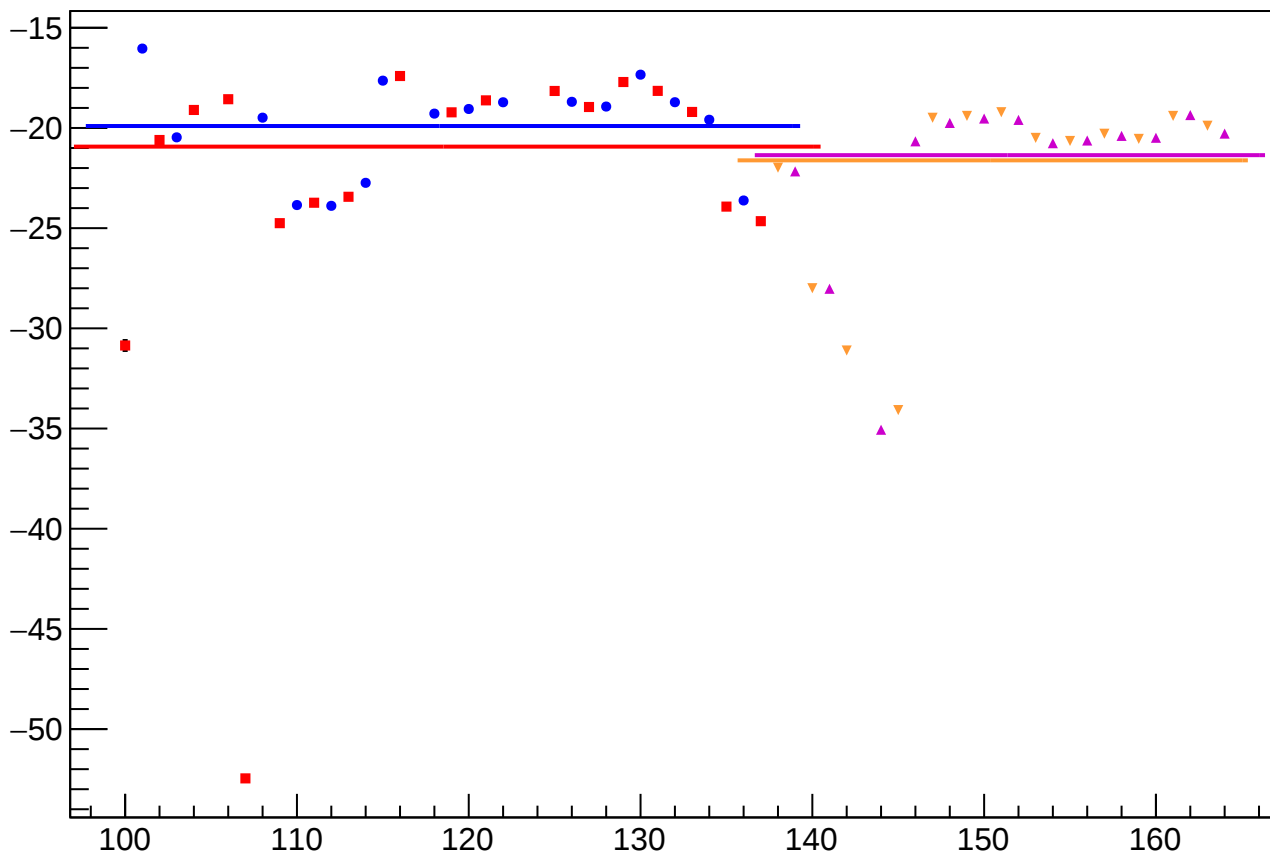
Right: 4.265 ± 0.181 χ^2/NDF : 1122.4/33

In: 7.646 ± 0.170 χ^2/NDF : 1087.2/28

Out: 7.091 ± 0.172 χ^2/NDF : 982.2/30

All: 7.372 ± 0.121 χ^2/NDF : 2074.7/59

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -21.616 ± 0.011 $\chi^2/\text{NDF}: 121704.0/12$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

Left In: -21.357 ± 0.011 $\chi^2/\text{NDF}: 99049.5/12$

Left: -21.482 ± 0.008 $\chi^2/\text{NDF}: 221029.6/25$

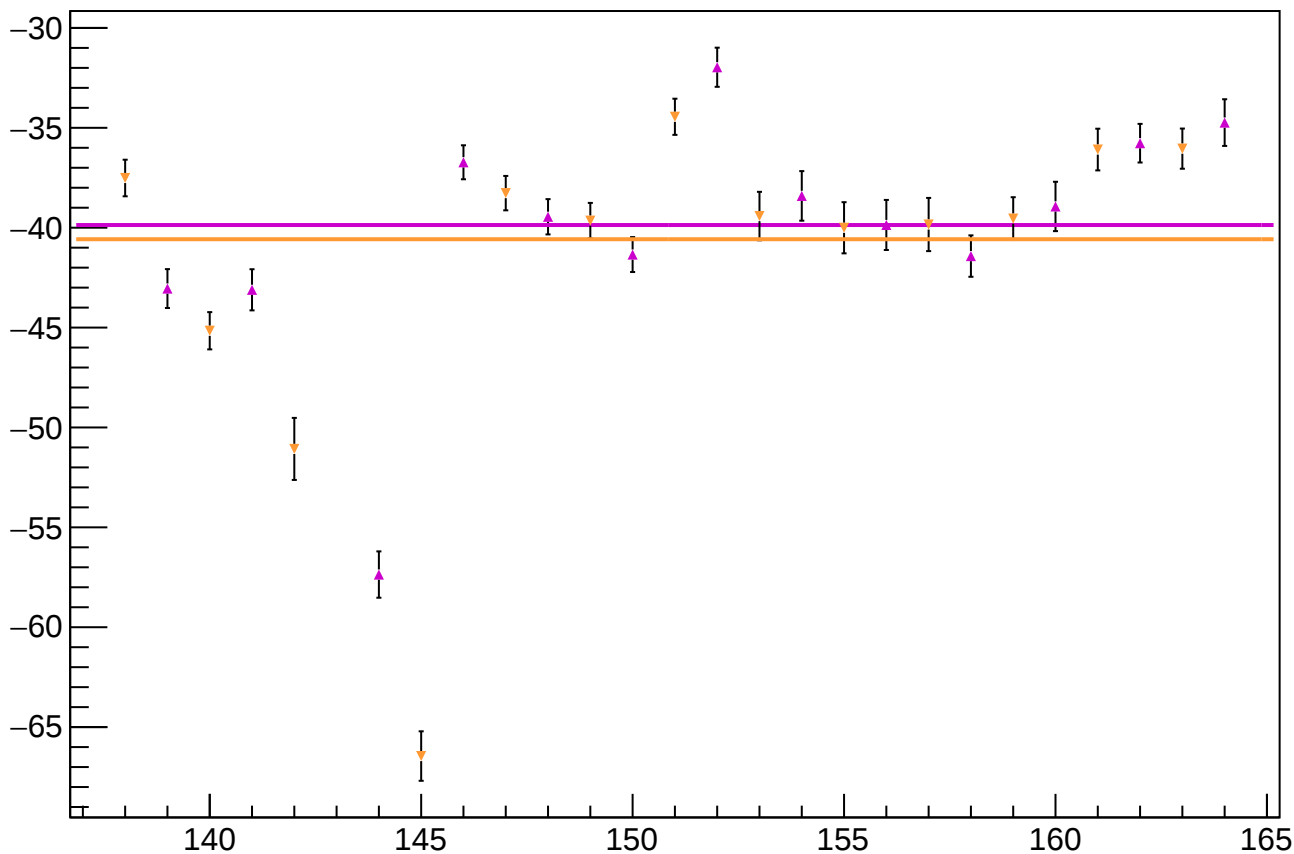
Right: -20.414 ± 0.011 $\chi^2/\text{NDF}: 122212.6/33$

In: -20.884 ± 0.009 $\chi^2/\text{NDF}: 130934.7/28$

Out: -21.385 ± 0.009 $\chi^2/\text{NDF}: 216971.8/30$

All: -21.129 ± 0.006 $\chi^2/\text{NDF}: 349446.6/59$

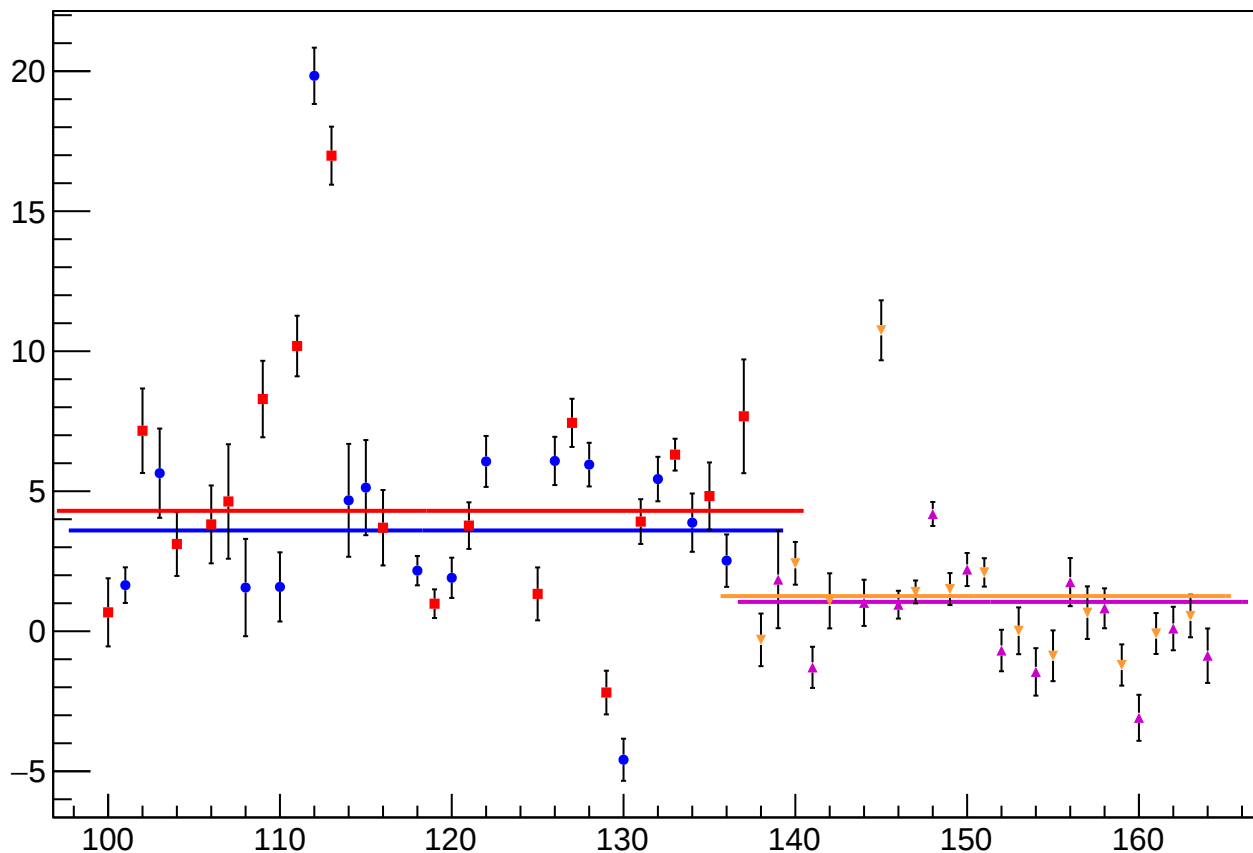
reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -40.577+/-0.290 χ^2/NDF :612.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -39.867+/-0.284 χ^2/NDF :371.3/12

Left: -40.214+/-0.203 χ^2/NDF : 987.0/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -39.867+/-0.284 χ^2/NDF :371.3/12
 Out: -40.577+/-0.290 χ^2/NDF :612.6/12
 All: -40.214+/-0.203 χ^2/NDF : 987.0/25

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 440.3/15$

Left Out: 1.255 ± 0.193 $\chi^2/\text{NDF}: 110.4/12$

Right Out: 4.301 ± 0.221 $\chi^2/\text{NDF}: 352.1/17$

Left In: 1.048 ± 0.193 $\chi^2/\text{NDF}: 113.6/12$

Left: 1.152 ± 0.136 $\chi^2/\text{NDF}: 224.5/25$

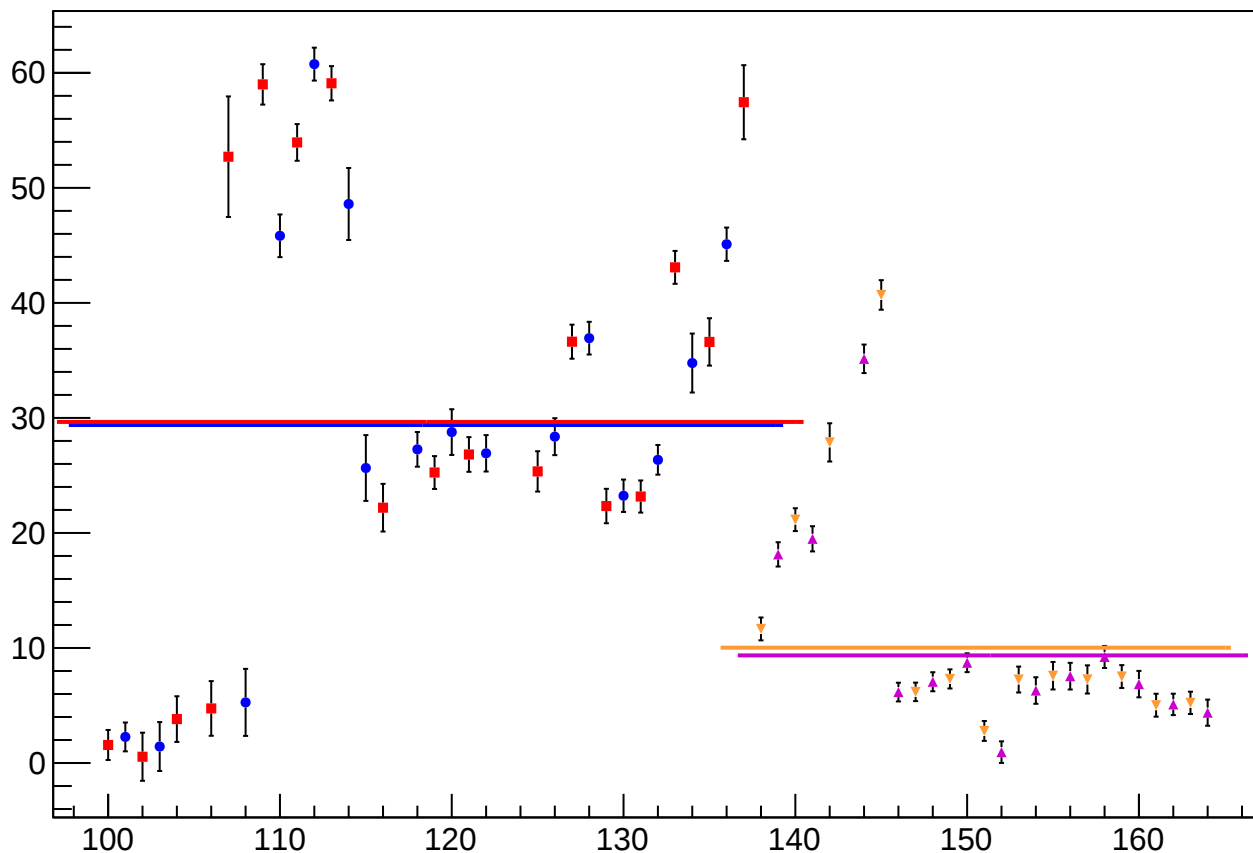
Right: 3.949 ± 0.156 $\chi^2/\text{NDF}: 797.4/33$

In: 2.159 ± 0.145 $\chi^2/\text{NDF}: 629.6/28$

Out: 2.571 ± 0.145 $\chi^2/\text{NDF}: 570.4/30$

All: 2.365 ± 0.103 $\chi^2/\text{NDF}: 1204.0/59$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 10.026 $\pm$ 0.282 χ^2 /NDF:987.7/12

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

Left In: 9.355 $\pm$ 0.275 χ^2 /NDF:745.3/12

Left: 9.682 $\pm$ 0.197 χ^2 /NDF: 1735.9/25

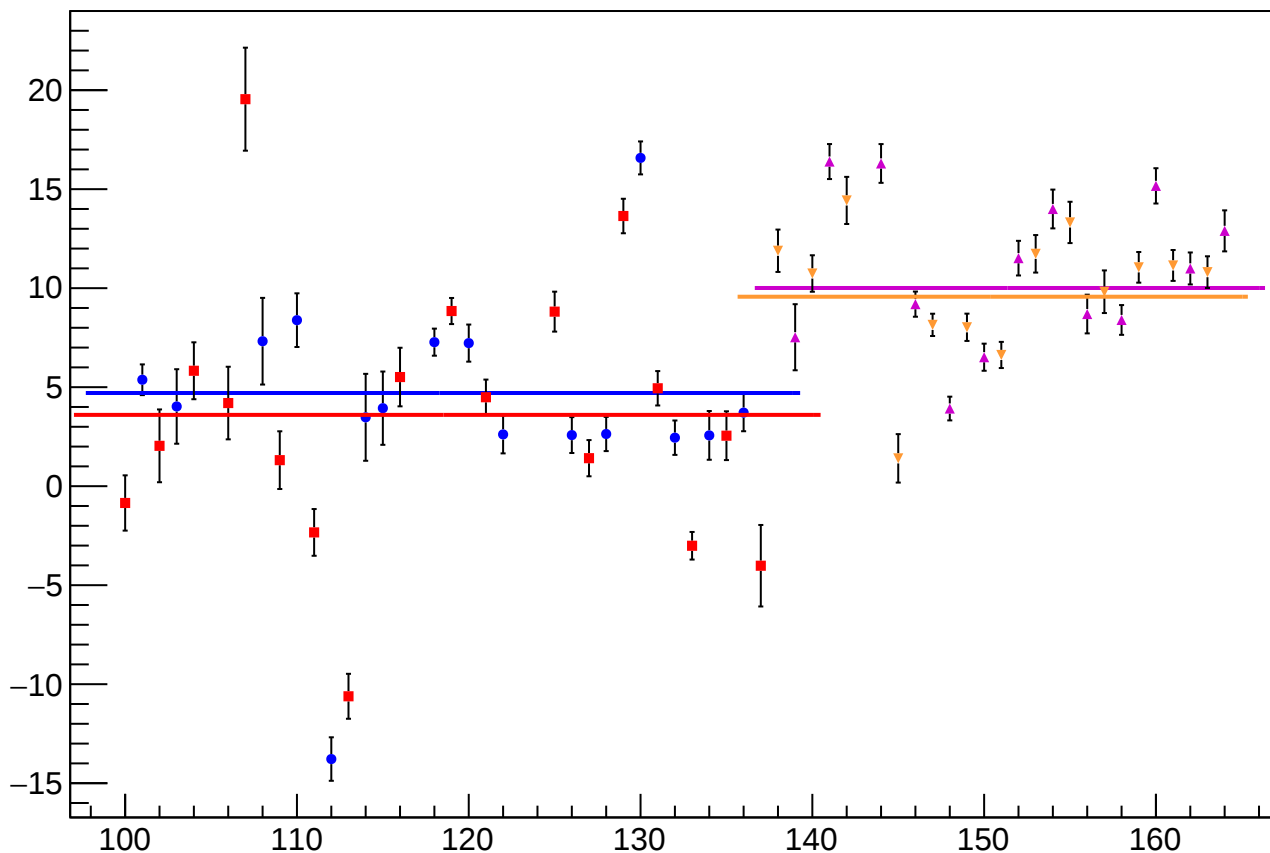
Right: 29.525 $\pm$ 0.290 χ^2 /NDF: 3619.8/33

In: 15.372 $\pm$ 0.230 χ^2 /NDF:3831.1/28

Out: 16.495 $\pm$ 0.231 χ^2 /NDF:4713.8/30

All: 15.930 $\pm$ 0.163 χ^2 /NDF: 8556.8/59

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.569 ± 0.231 χ^2/NDF : 127.1/12

Right Out: 3.601 ± 0.254 χ^2/NDF : 573.4/17

Left In: 10.009 ± 0.230 χ^2/NDF : 295.3/12

Left: 9.790 ± 0.163 χ^2/NDF : 424.3/25

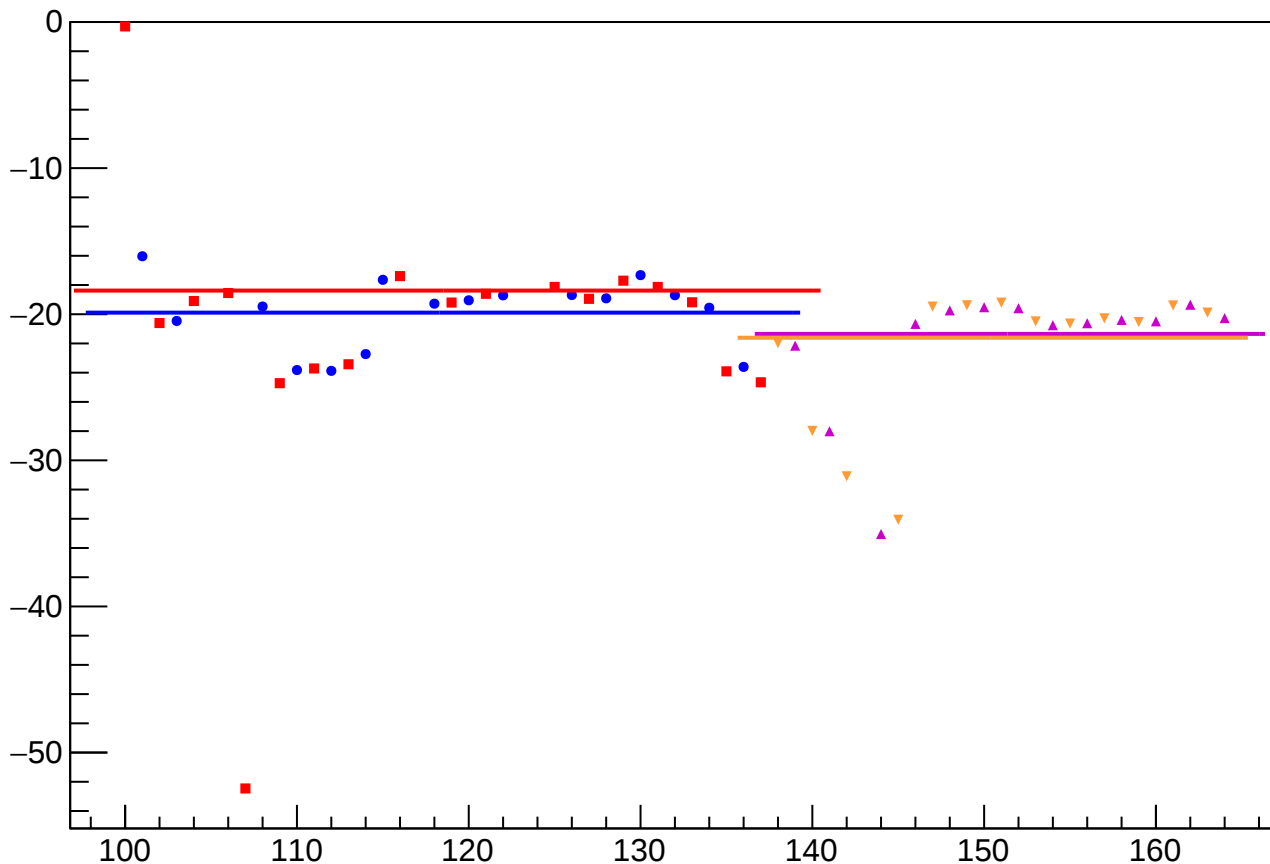
Right: 4.154 ± 0.180 χ^2/NDF : 1128.1/33

In: 7.623 ± 0.170 χ^2/NDF : 1080.5/28

Out: 6.869 ± 0.171 χ^2/NDF : 1002.7/30

All: 7.247 ± 0.121 χ^2/NDF : 2093.0/59

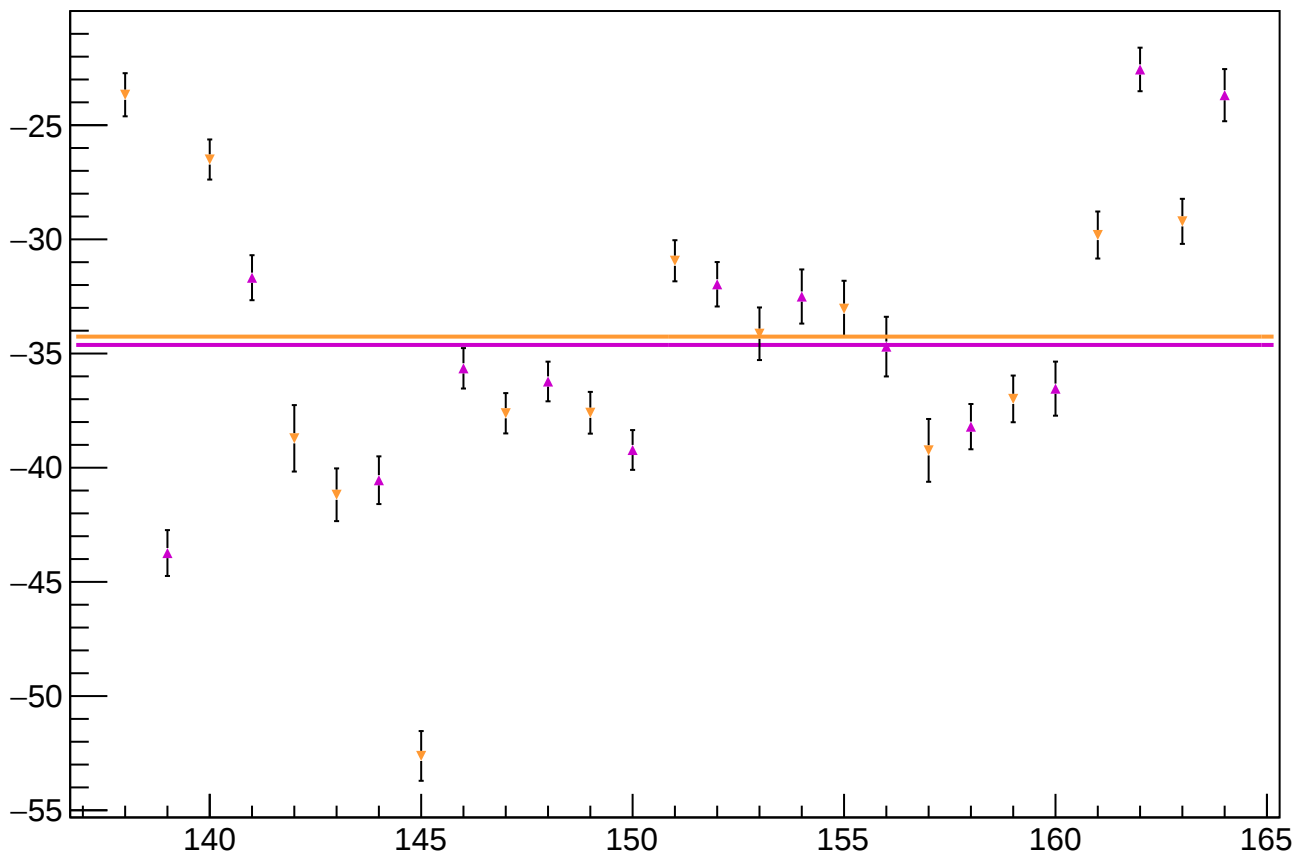
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$
 Left Out: -21.609 ± 0.011 $\chi^2/\text{NDF}: 121741.6/12$
 Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$
 Left In: -21.347 ± 0.011 $\chi^2/\text{NDF}: 98987.5/12$

Left: -21.474 ± 0.008 $\chi^2/\text{NDF}: 221011.8/25$
 Right: -19.091 ± 0.011 $\chi^2/\text{NDF}: 331979.2/33$
 In: -20.873 ± 0.009 $\chi^2/\text{NDF}: 130886.5/28$
 Out: -20.427 ± 0.009 $\chi^2/\text{NDF}: 453127.9/30$
 All: -20.650 ± 0.006 $\chi^2/\text{NDF}: 585267.6/59$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



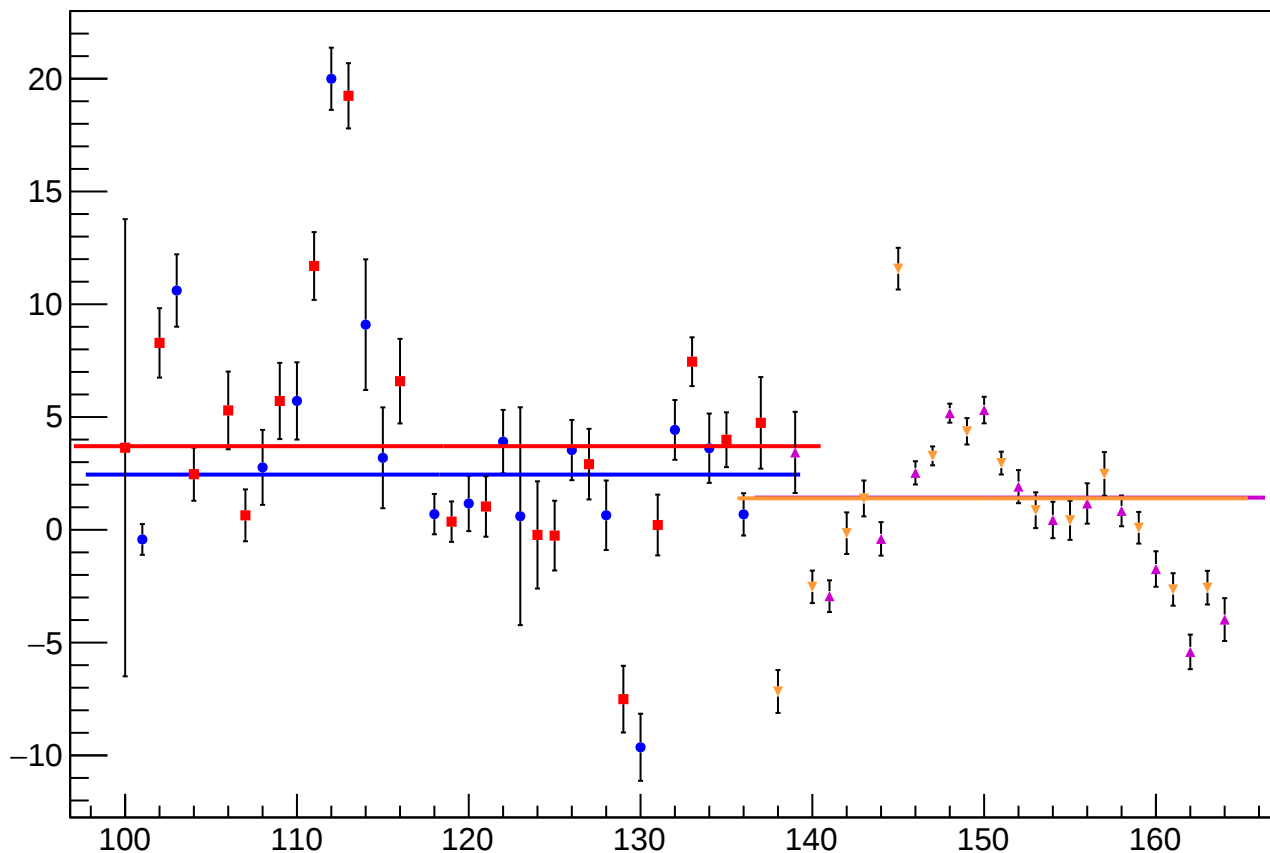
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -34.259+/-0.277 χ^2/NDF : 640.8/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -34.624+/-0.279 χ^2/NDF : 434.2/12

Left: -34.440+/-0.197 χ^2/NDF : 1075.8/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.624+/-0.279 χ^2/NDF : 434.2/12
 Out: -34.259+/-0.277 χ^2/NDF : 640.8/13

All: -34.440+/-0.197 χ^2/NDF : 1075.8/26

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 1.397 ± 0.185 χ^2/NDF : 356.5/13

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

Left In: 1.428 ± 0.190 χ^2/NDF : 304.0/12

Left: 1.412 ± 0.133 χ^2/NDF : 660.5/26

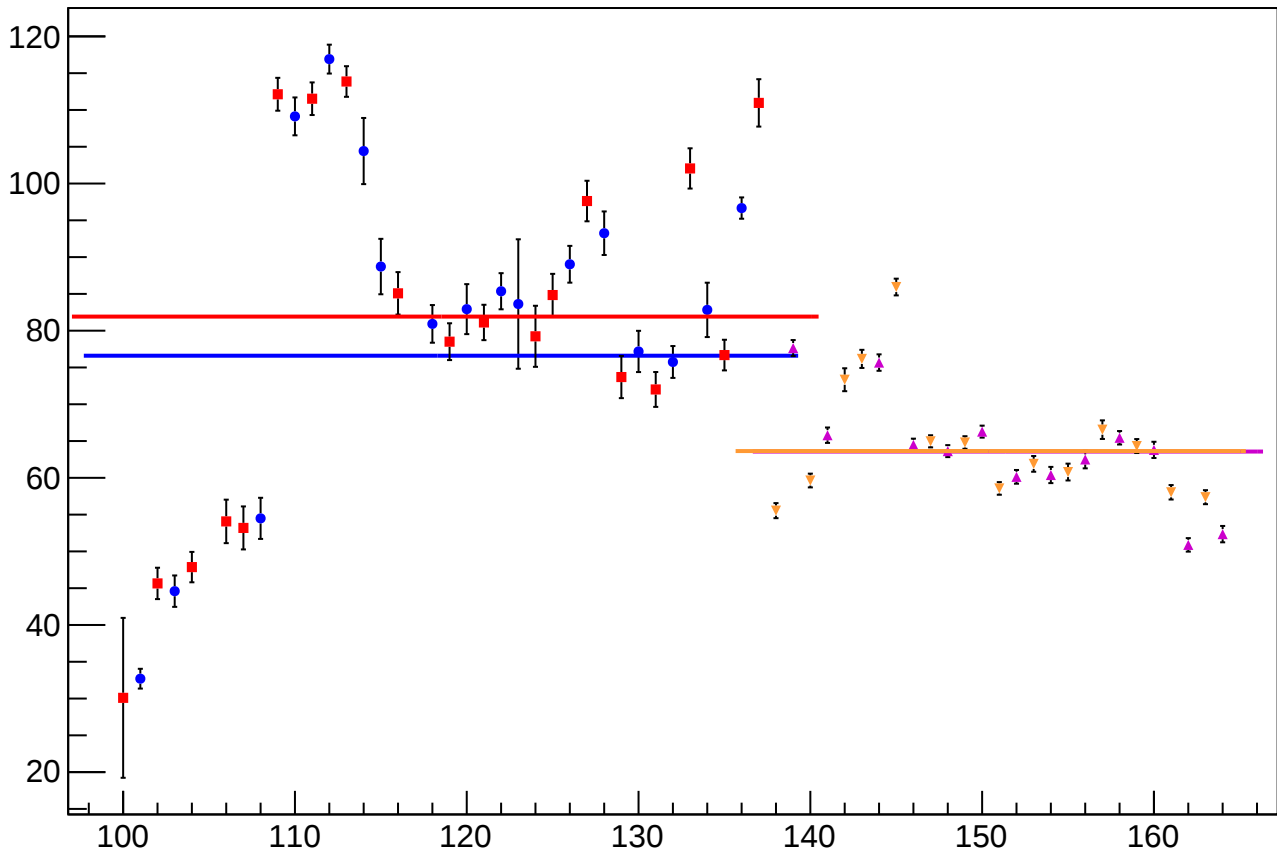
Right: 3.055 ± 0.226 χ^2/NDF : 572.4/35

In: 1.701 ± 0.163 χ^2/NDF : 607.1/29

Out: 1.959 ± 0.161 χ^2/NDF : 663.8/32

All: 1.831 ± 0.114 χ^2/NDF : 1272.2/62

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: 63.638 $\pm$ 0.271 χ^2 /NDF: 737.2/13

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

Left In: 63.572 $\pm$ 0.271 χ^2 /NDF: 620.6/12

Left: 63.605 $\pm$ 0.191 χ^2 /NDF: 1357.8/26

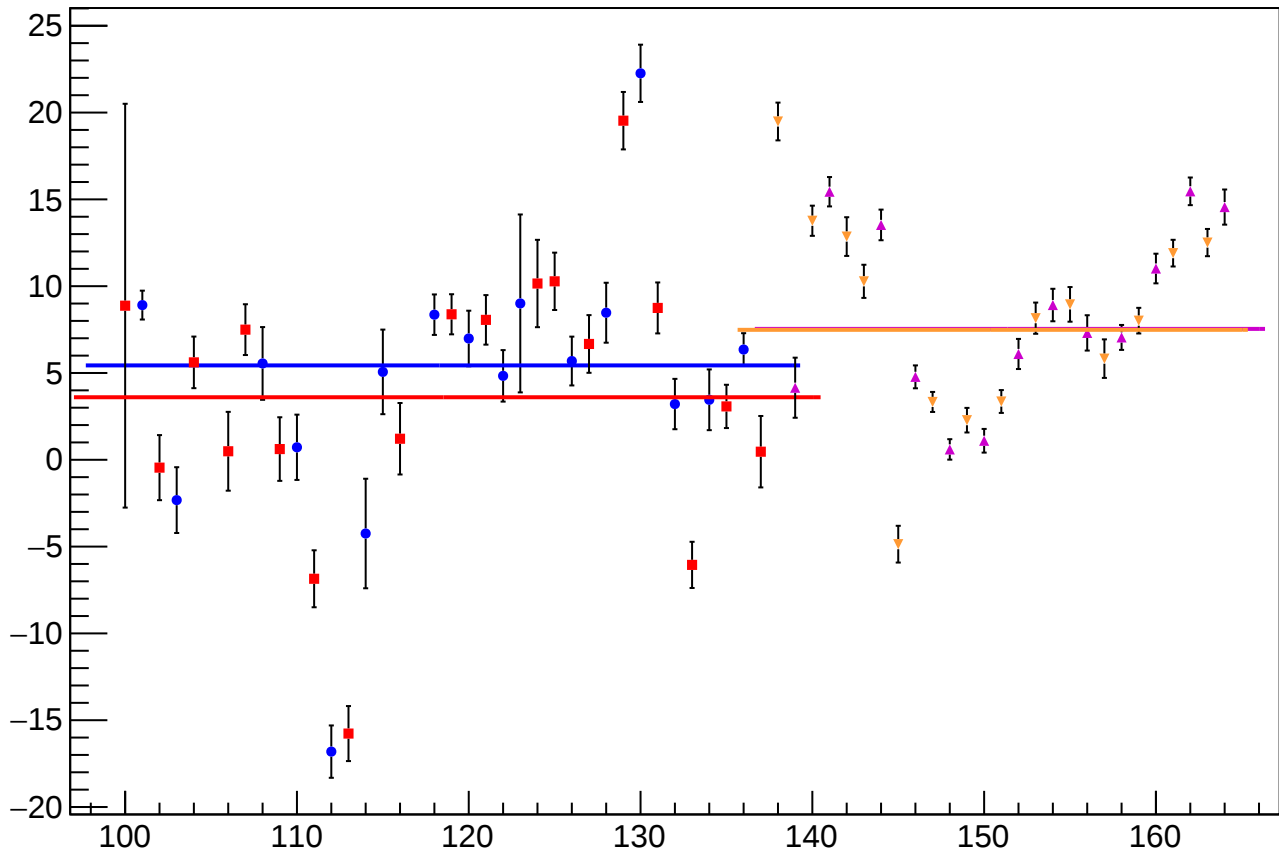
Right: 79.184 $\pm$ 0.413 χ^2 /NDF: 3867.3/35

In: 65.929 $\pm$ 0.245 χ^2 /NDF: 3294.5/29

Out: 66.797 $\pm$ 0.246 χ^2 /NDF: 3096.3/32

All: 66.361 $\pm$ 0.174 χ^2 /NDF: 6397.0/62

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 7.486 ± 0.221 $\chi^2/\text{NDF}: 566.5/13$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

Left In: 7.540 ± 0.226 $\chi^2/\text{NDF}: 551.8/12$

Left: 7.512 ± 0.158 $\chi^2/\text{NDF}: 1118.3/26$

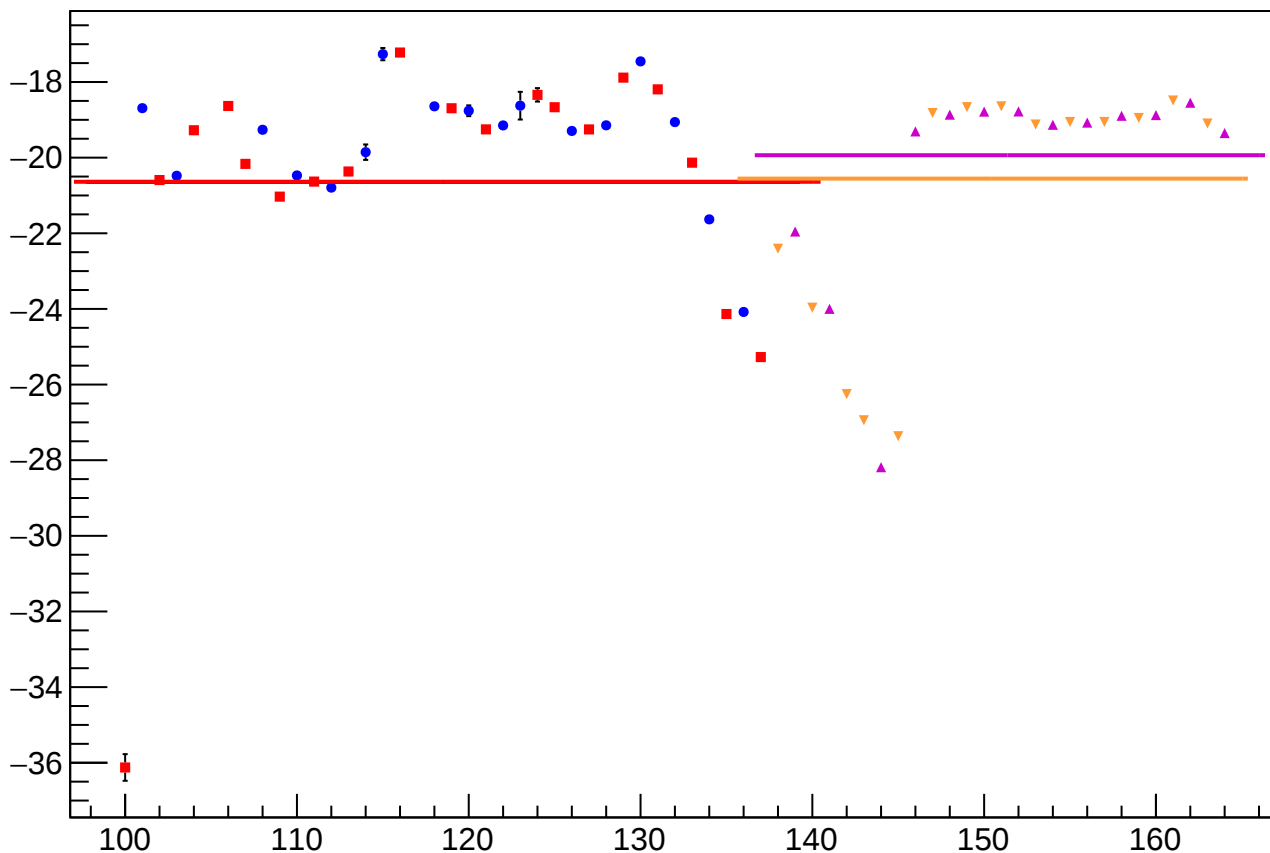
Right: 4.556 ± 0.260 $\chi^2/\text{NDF}: 823.0/35$

In: 6.947 ± 0.191 $\chi^2/\text{NDF}: 963.5/29$

Out: 6.485 ± 0.190 $\chi^2/\text{NDF}: 1069.4/32$

All: 6.715 ± 0.135 $\chi^2/\text{NDF}: 2035.8/62$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 $\pm$ 0.019 χ^2 /NDF: 12431.5/16

Left Out: -20.554 $\pm$ 0.011 χ^2 /NDF: 75259.0/13

Right Out: -20.638 $\pm$ 0.019 χ^2 /NDF: 13783.4/18

Left In: -19.936 $\pm$ 0.011 χ^2 /NDF: 47947.8/12

Left: -20.244 $\pm$ 0.008 χ^2 /NDF: 124870.8/26

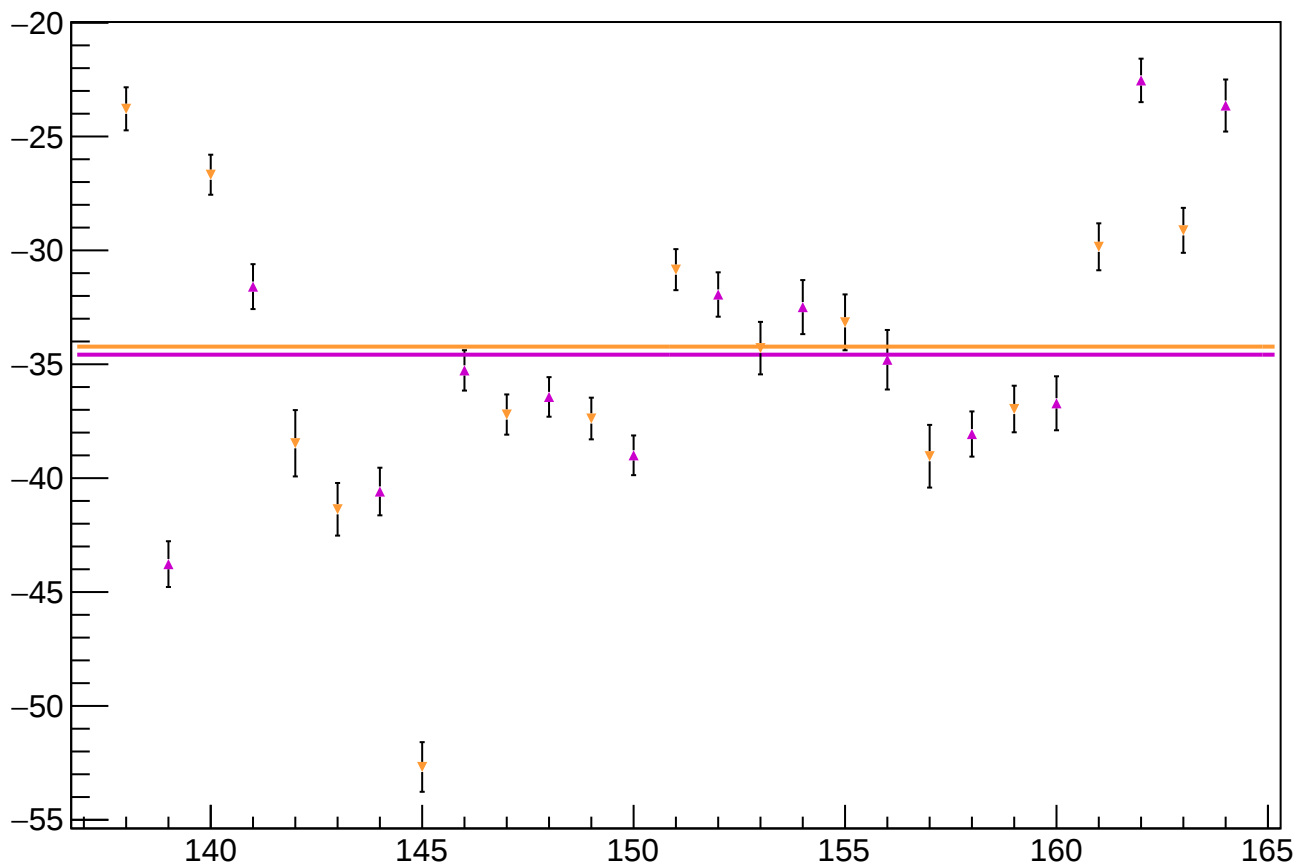
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26214.9/35

In: -20.101 $\pm$ 0.009 χ^2 /NDF: 61400.5/29

Out: -20.574 $\pm$ 0.009 χ^2 /NDF: 89056.7/32

All: -20.337 $\pm$ 0.007 χ^2 /NDF: 151724.9/62

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



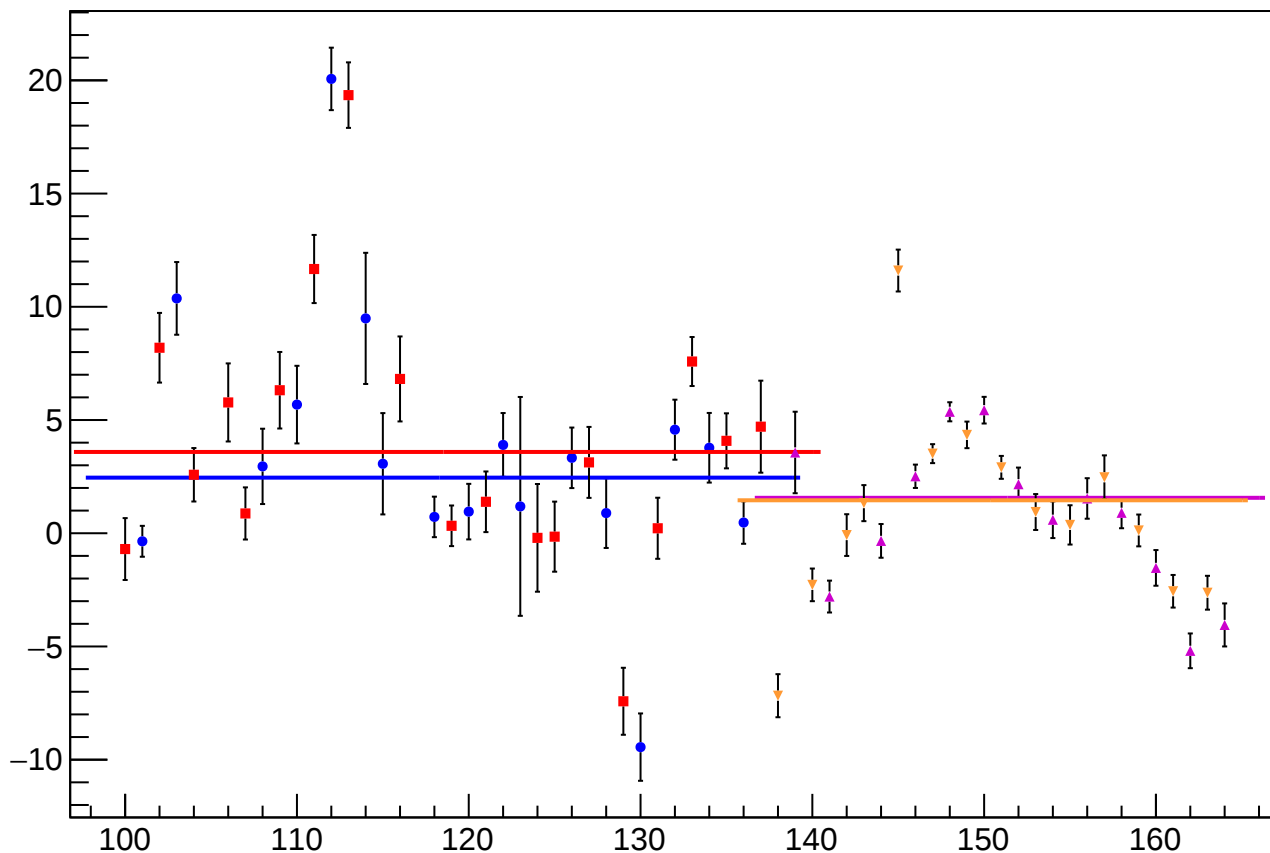
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -34.225+/-0.277 χ^2/NDF : 631.6/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -34.579+/-0.280 χ^2/NDF : 433.8/12

Left: -34.400+/-0.197 χ^2/NDF : 1066.2/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.579+/-0.280 χ^2/NDF : 433.8/12
 Out: -34.225+/-0.277 χ^2/NDF : 631.6/13

All: -34.400+/-0.197 χ^2/NDF : 1066.2/26

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 1.455 ± 0.185 χ^2/NDF : 356.7/13

Right Out: 3.590 ± 0.318 χ^2/NDF : 279.8/18

Left In: 1.565 ± 0.190 χ^2/NDF : 305.1/12

Left: 1.509 ± 0.133 χ^2/NDF : 661.9/26

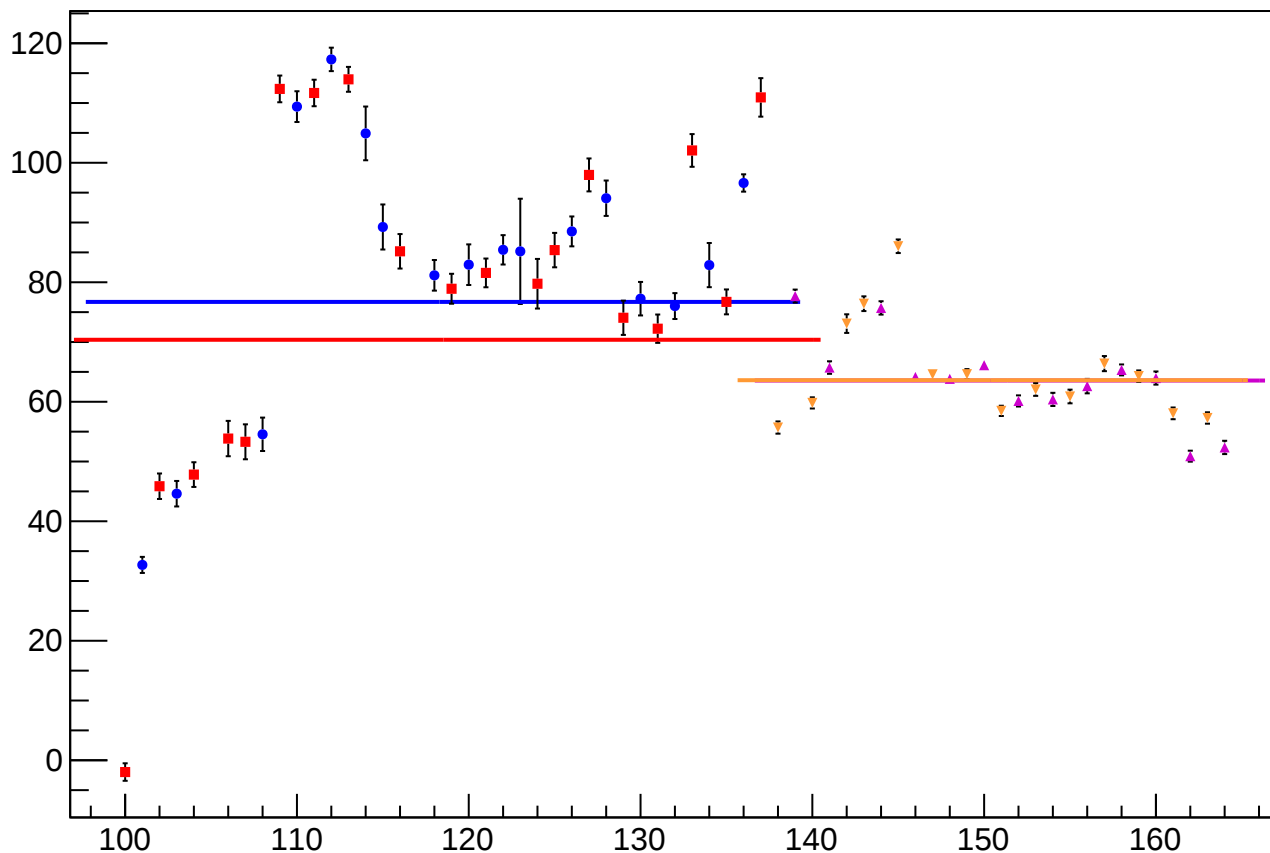
Right: 3.017 ± 0.224 χ^2/NDF : 579.8/35

In: 1.803 ± 0.163 χ^2/NDF : 604.5/29

Out: 1.996 ± 0.160 χ^2/NDF : 670.2/32

All: 1.901 ± 0.114 χ^2/NDF : 1275.4/62

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



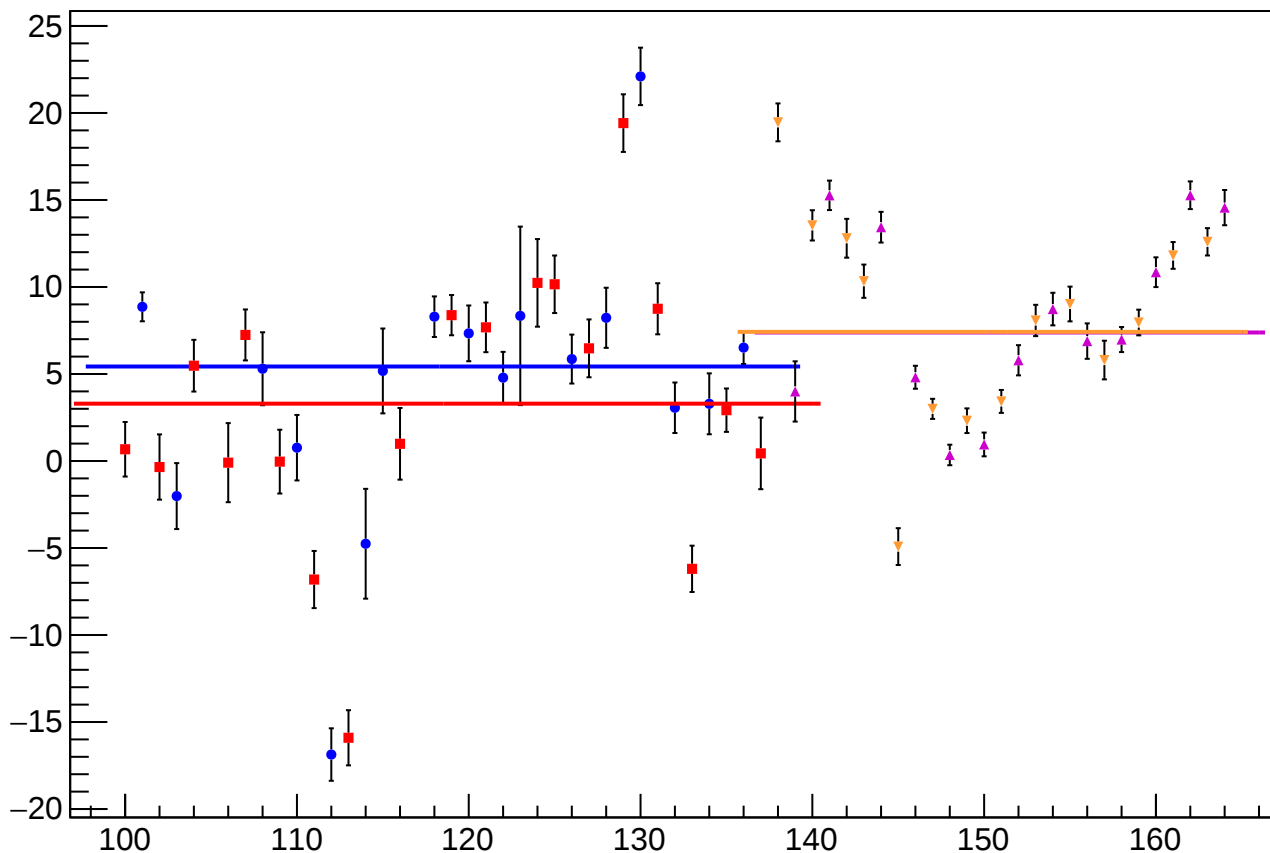
Left: 63.580 +/- 0.192 χ^2/NDF : 1355.3/26
 Right: 73.396 +/- 0.398 χ^2/NDF : 6720.6/35

Right In: 76.713 +/- 0.576 χ^2/NDF : 2266.6/16
 Left Out: 63.608 +/- 0.271 χ^2/NDF : 736.7/13
 Right Out: 70.376 +/- 0.550 χ^2/NDF : 4390.7/18
 Left In: 63.552 +/- 0.271 χ^2/NDF : 618.6/12

In: 65.934 +/- 0.245 χ^2/NDF : 3312.3/29
 Out: 64.929 +/- 0.243 χ^2/NDF : 5249.2/32

All: 65.427 +/- 0.173 χ^2/NDF : 8570.0/62

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 7.421 ± 0.221 $\chi^2/\text{NDF}: 569.5/13$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

Left In: 7.385 ± 0.226 $\chi^2/\text{NDF}: 554.7/12$

Left: 7.403 ± 0.158 $\chi^2/\text{NDF}: 1124.2/26$

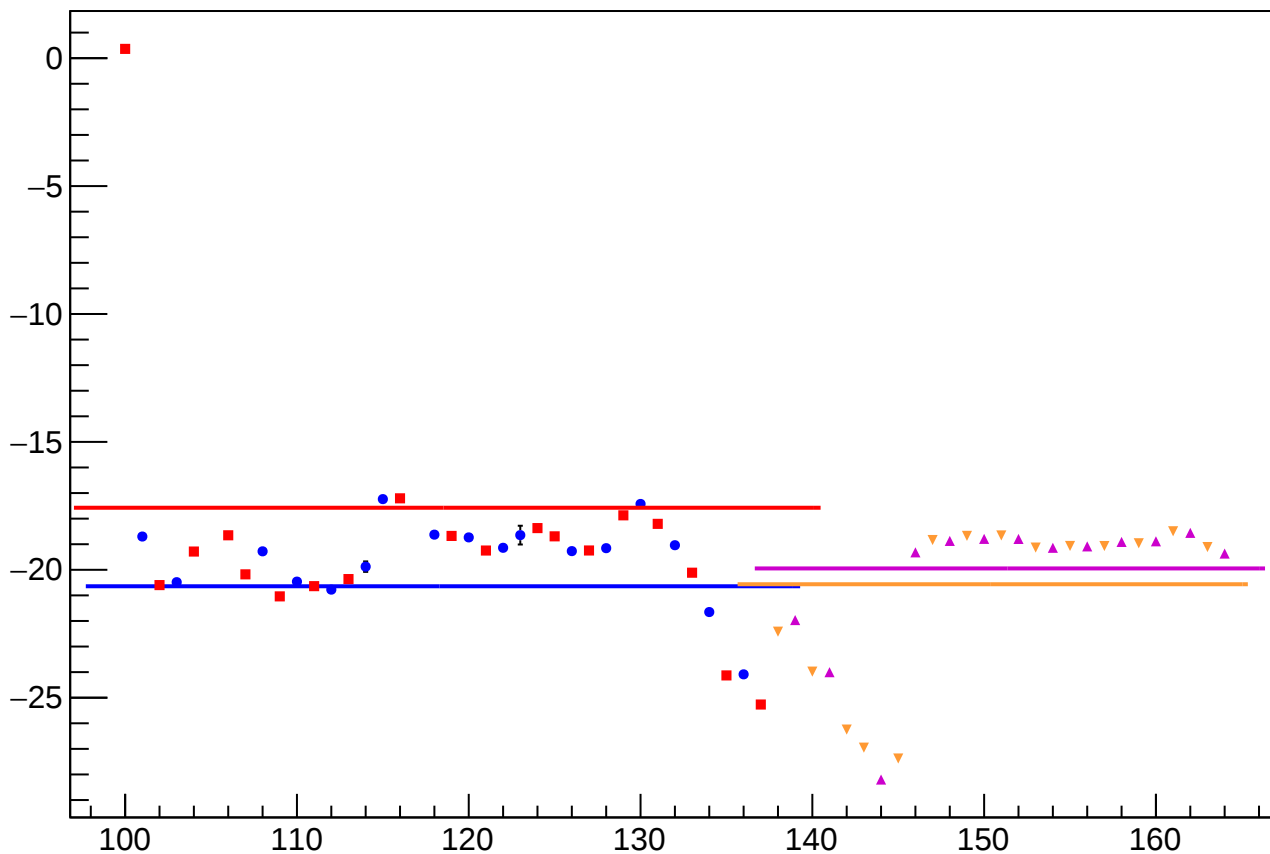
Right: 4.376 ± 0.257 $\chi^2/\text{NDF}: 829.3/35$

In: 6.834 ± 0.191 $\chi^2/\text{NDF}: 961.7/29$

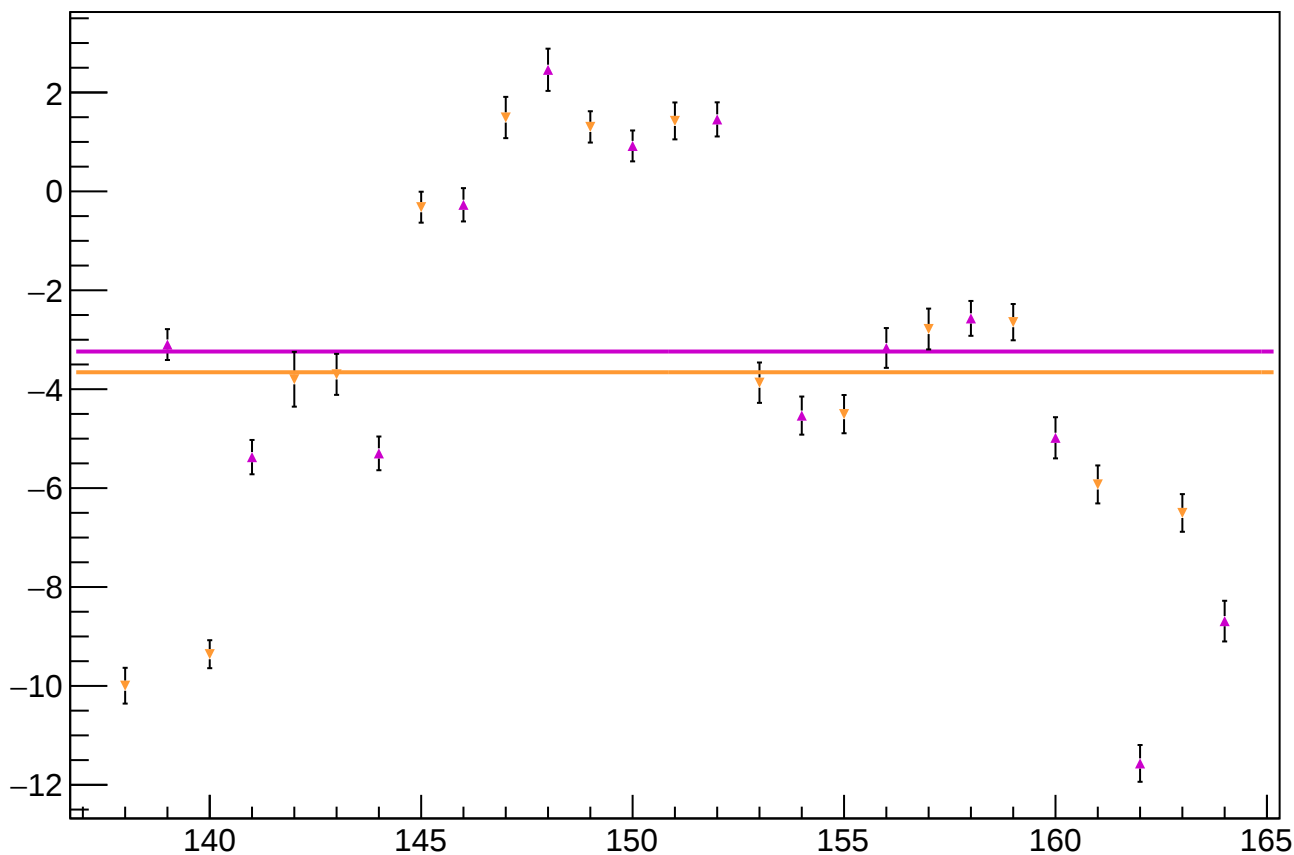
Out: 6.314 ± 0.189 $\chi^2/\text{NDF}: 1089.0/32$

All: 6.571 ± 0.135 $\chi^2/\text{NDF}: 2054.5/62$

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



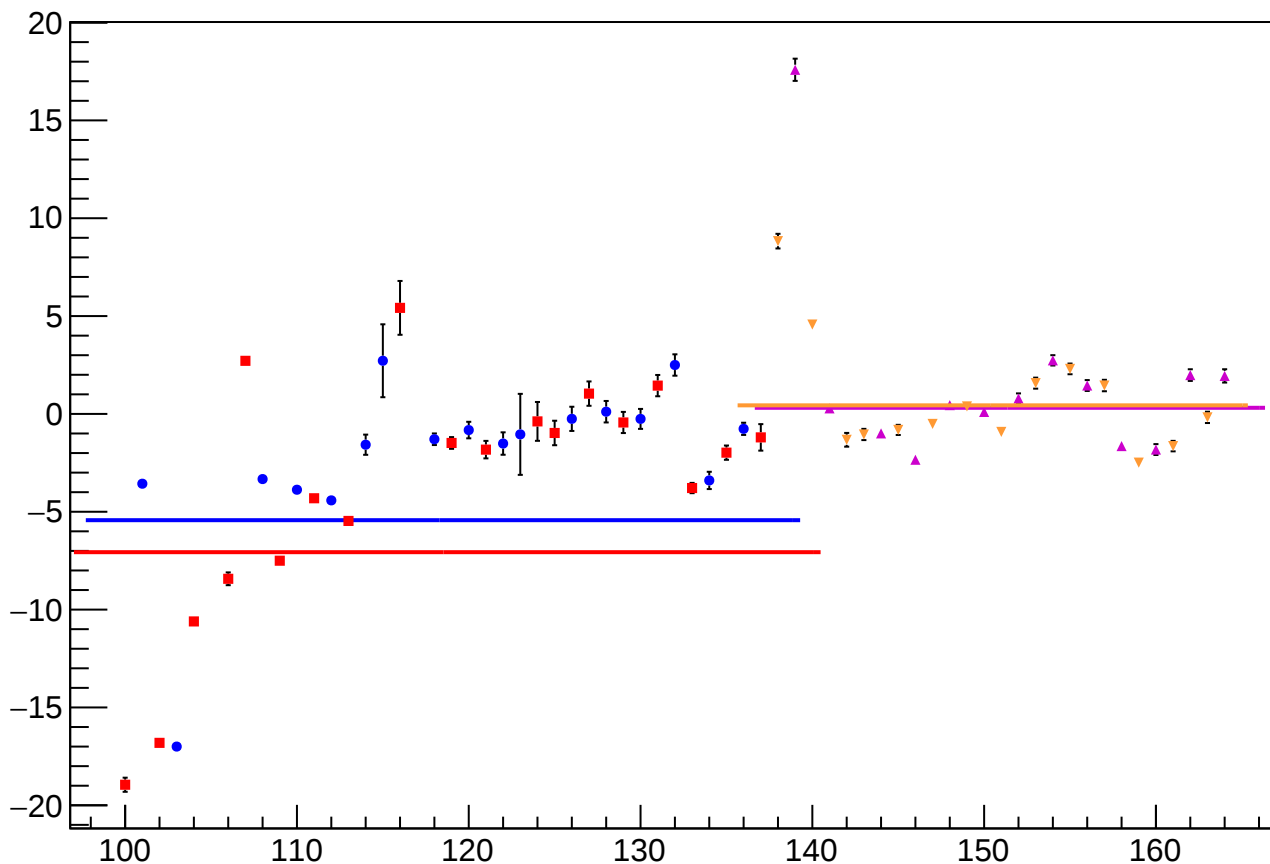
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.657+/-0.099 χ^2/NDF :1517.8/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.238+/-0.100 χ^2/NDF :1402.0/12

Left: -3.450+/-0.070 χ^2/NDF : 2928.7/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.238+/-0.100 χ^2/NDF :1402.0/12
 Out: -3.657+/-0.099 χ^2/NDF :1517.8/13
 All: -3.450+/-0.070 χ^2/NDF : 2928.7/26

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: 0.438 ± 0.069 χ^2/NDF : 1220.0/13

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

Left In: 0.313 ± 0.072 χ^2/NDF : 1394.6/12

Left: 0.378 ± 0.050 χ^2/NDF : 2616.2/26

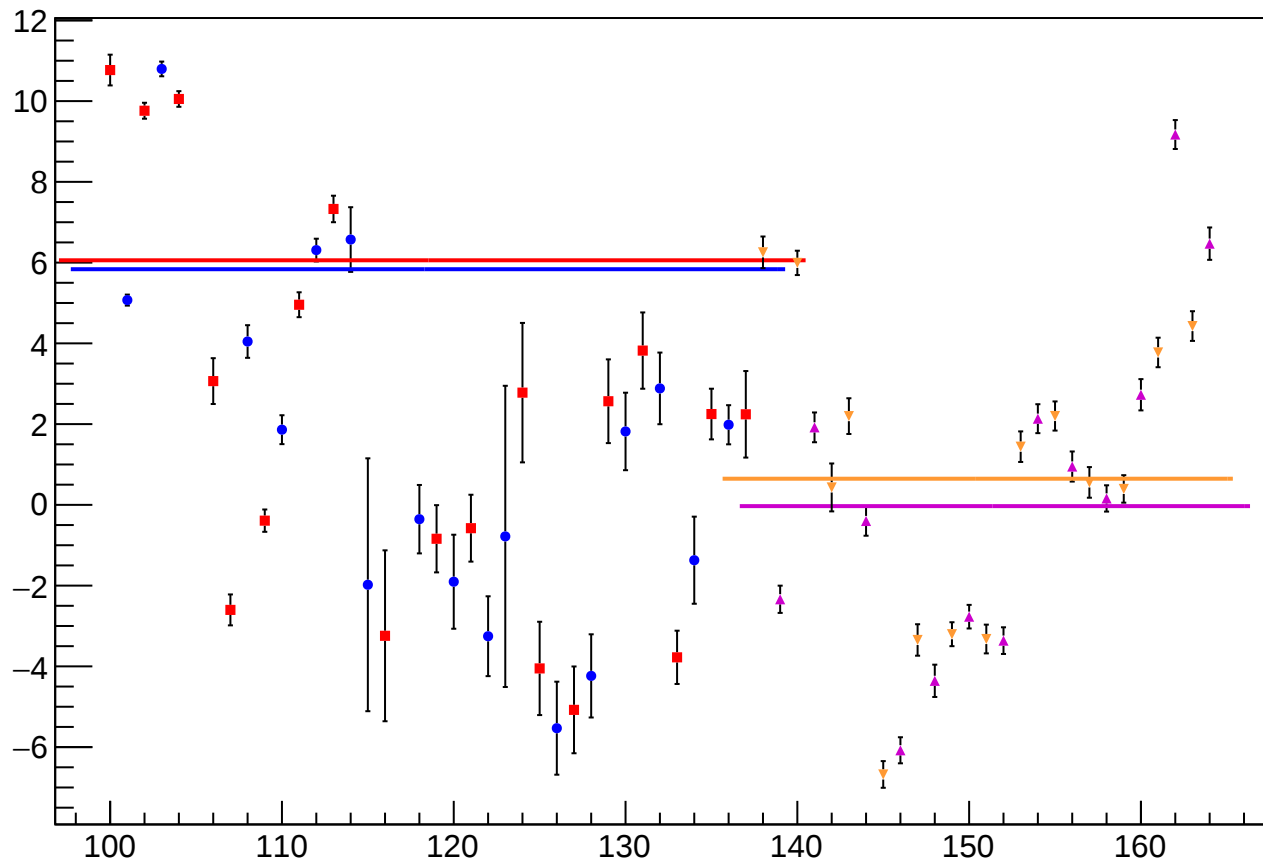
Right: -6.189 ± 0.040 χ^2/NDF : 21952.0/35

In: -3.309 ± 0.044 χ^2/NDF : 14676.1/29

Out: -3.910 ± 0.045 χ^2/NDF : 20324.0/32

All: -3.600 ± 0.031 χ^2/NDF : 35092.2/62

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: 0.648 ± 0.097 $\chi^2/\text{NDF}: 1622.8/13$

Right Out: 6.057 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

Left In: -0.031 ± 0.097 $\chi^2/\text{NDF}: 1750.9/12$

Left: 0.308 ± 0.069 $\chi^2/\text{NDF}: 3398.0/26$

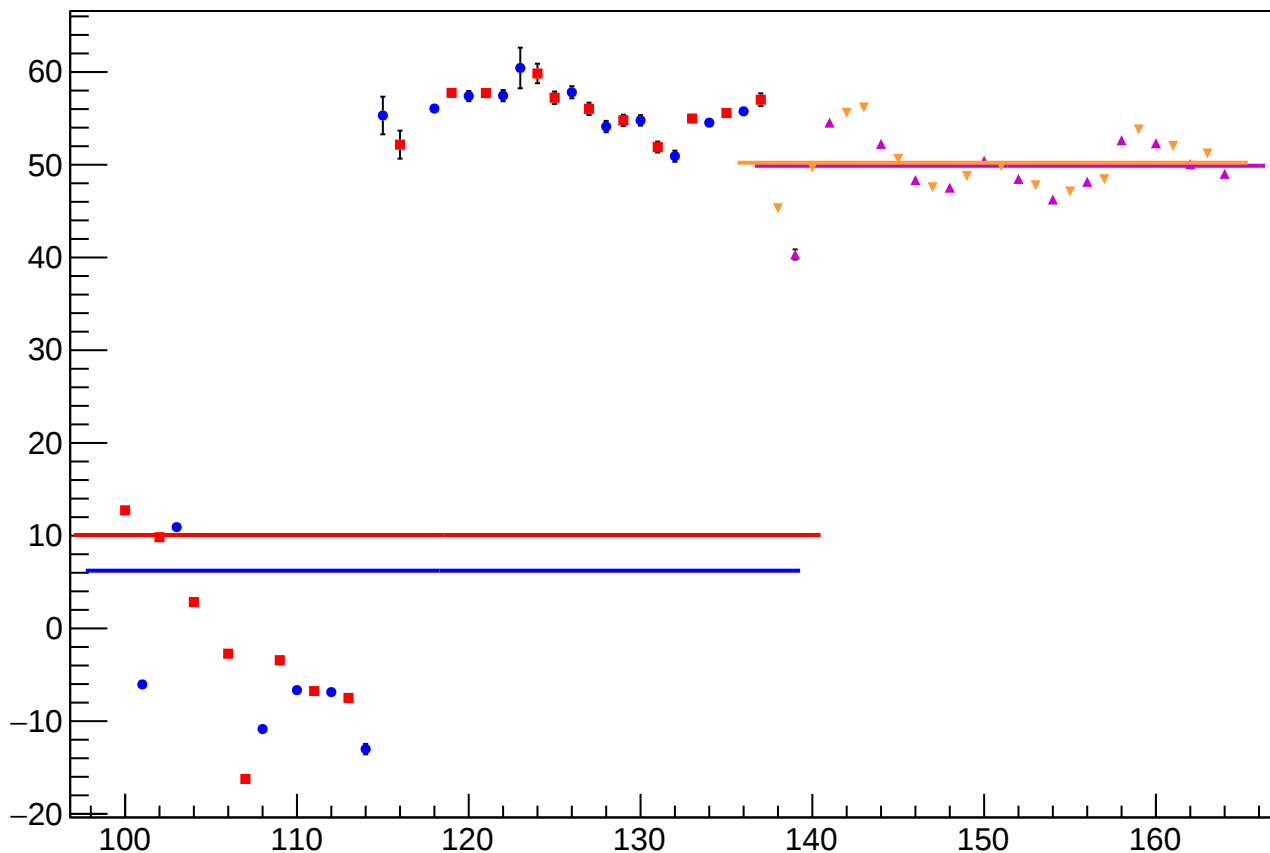
Right: 5.942 ± 0.065 $\chi^2/\text{NDF}: 4112.7/35$

In: 3.145 ± 0.066 $\chi^2/\text{NDF}: 5156.5/29$

Out: 3.466 ± 0.067 $\chi^2/\text{NDF}: 5901.3/32$

All: 3.302 ± 0.047 $\chi^2/\text{NDF}: 11069.4/62$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 50.219+/-0.081 χ^2/NDF : 1145.3/13

Right Out: 10.075+/-0.070 χ^2/NDF : 122049.3/18

Left In: 49.892+/-0.083 χ^2/NDF : 1100.7/12

Left: 50.060+/-0.058 χ^2/NDF : 2253.9/26

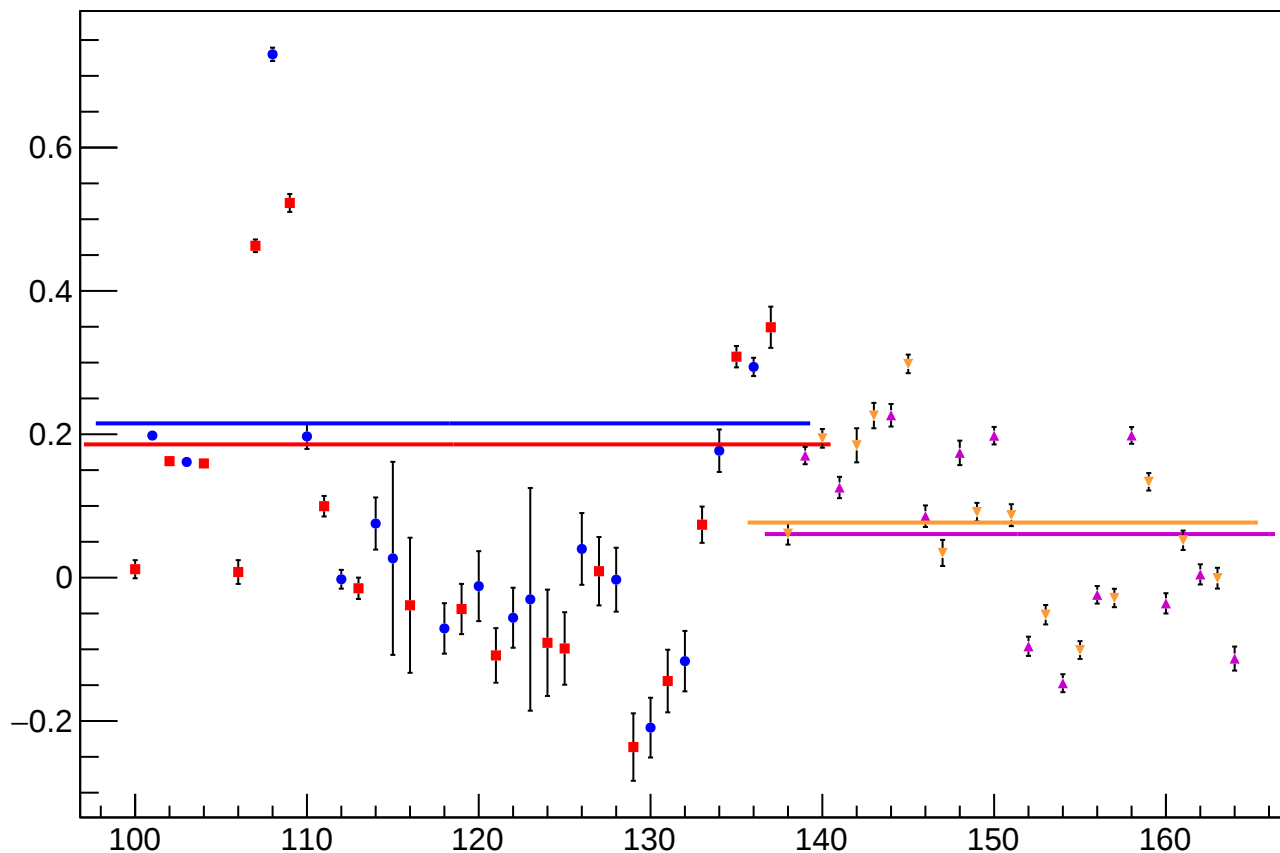
Right: 8.011+/-0.047 χ^2/NDF : 244638.0/35

In: 22.751+/-0.051 χ^2/NDF : 293741.6/29

Out: 27.106+/-0.053 χ^2/NDF : 263780.8/32

All: 24.853+/-0.037 χ^2/NDF : 561027.0/62

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.077 ± 0.004 χ^2/NDF : 889.0/13

Right Out: 0.186 ± 0.003 χ^2/NDF : 2718.1/18

Left In: 0.061 ± 0.004 χ^2/NDF : 1153.1/12

Left: 0.069 ± 0.003 χ^2/NDF : 2051.1/26

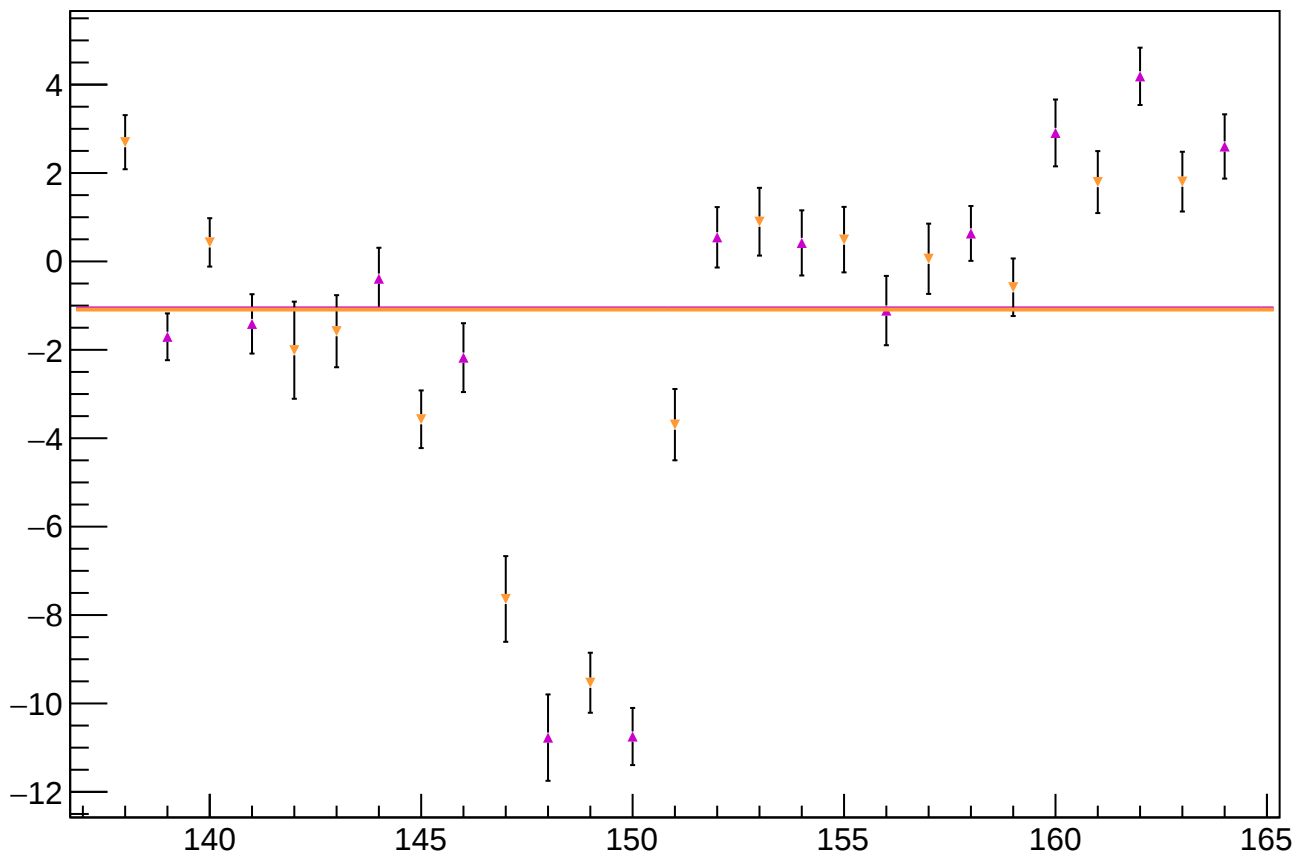
Right: 0.200 ± 0.002 χ^2/NDF : 6701.6/35

In: 0.162 ± 0.002 χ^2/NDF : 6159.8/29

Out: 0.150 ± 0.002 χ^2/NDF : 4156.5/32

All: 0.155 ± 0.002 χ^2/NDF : 10330.9/62

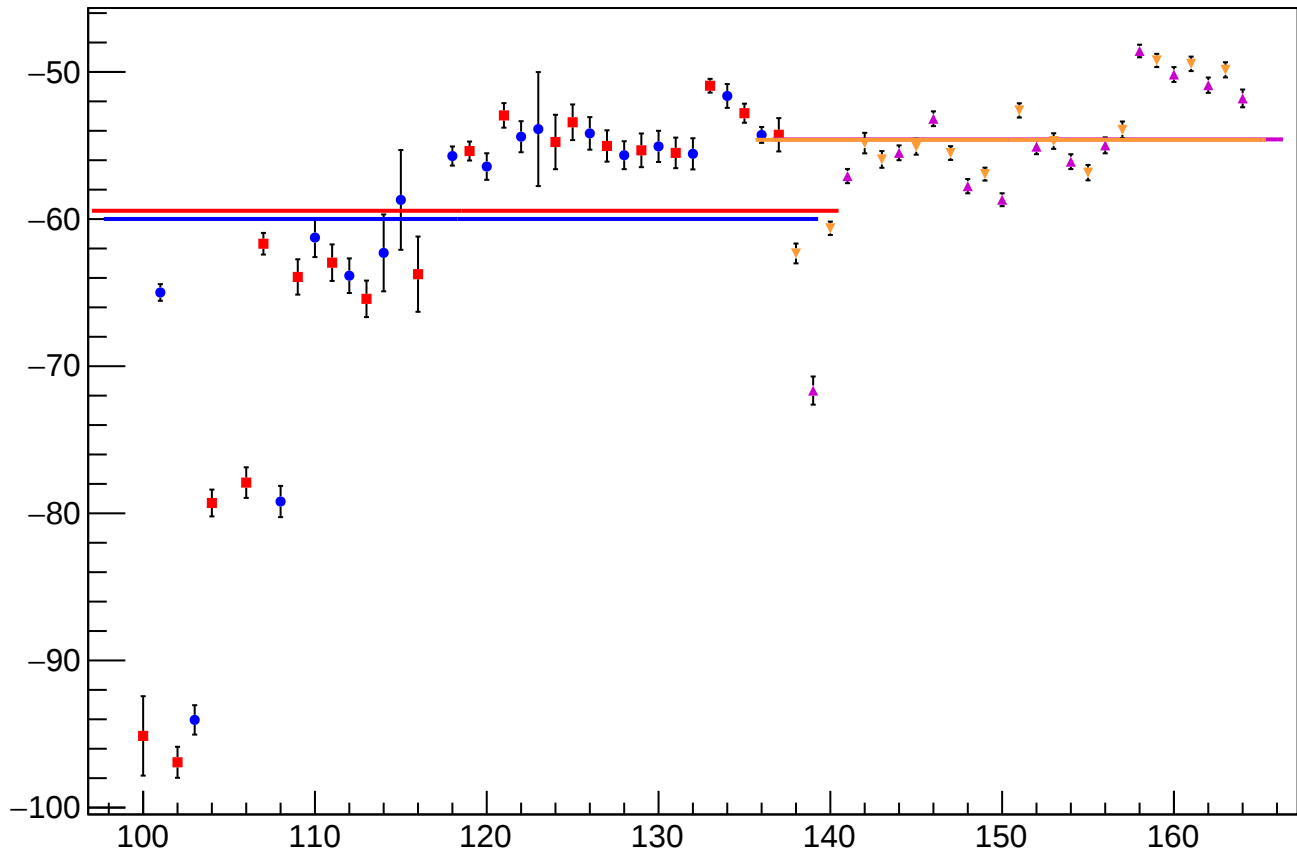
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -1.088 $\pm$ 0.192 χ^2 /NDF:321.4/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.063 $\pm$ 0.192 χ^2 /NDF:463.5/12

Left: -1.076 $\pm$ 0.136 χ^2 /NDF: 784.9/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -1.063 $\pm$ 0.192 χ^2 /NDF:463.5/12
 Out: -1.088 $\pm$ 0.192 χ^2 /NDF:321.4/13
 All: -1.076 $\pm$ 0.136 χ^2 /NDF: 784.9/26

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.612 ± 0.138 χ^2/NDF : 718.3/13

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

Left In: -54.584 ± 0.142 χ^2/NDF : 839.5/12

Left: -54.598 ± 0.099 χ^2/NDF : 1557.9/26

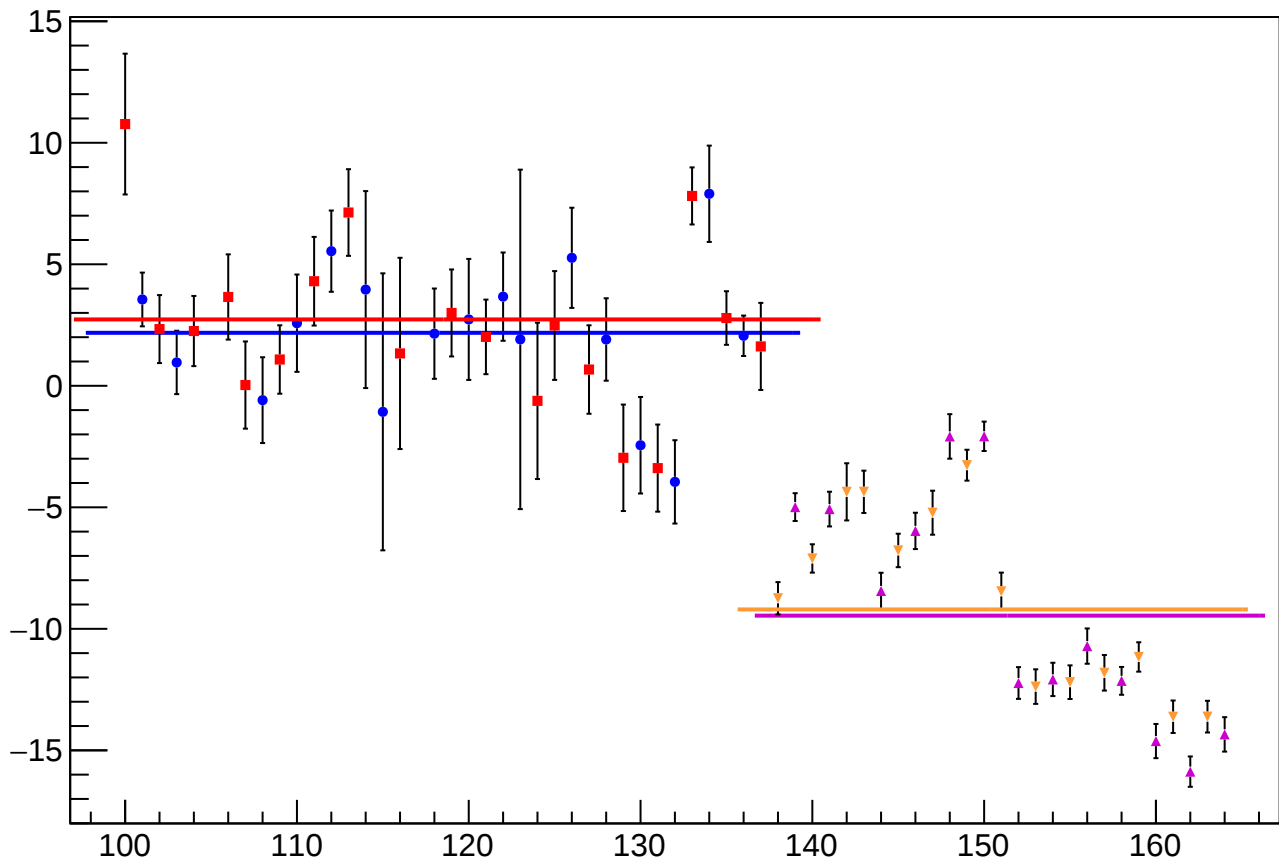
Right: -59.697 ± 0.154 χ^2/NDF : 4894.0/35

In: -56.126 ± 0.120 χ^2/NDF : 3225.5/29

Out: -56.045 ± 0.116 χ^2/NDF : 4000.2/32

All: -56.084 ± 0.083 χ^2/NDF : 7226.0/62

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: -9.202 ± 0.189 $\chi^2/\text{NDF}: 332.6/13$

Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -9.458 ± 0.187 $\chi^2/\text{NDF}: 600.6/12$

Left: -9.331 ± 0.133 $\chi^2/\text{NDF}: 934.0/26$

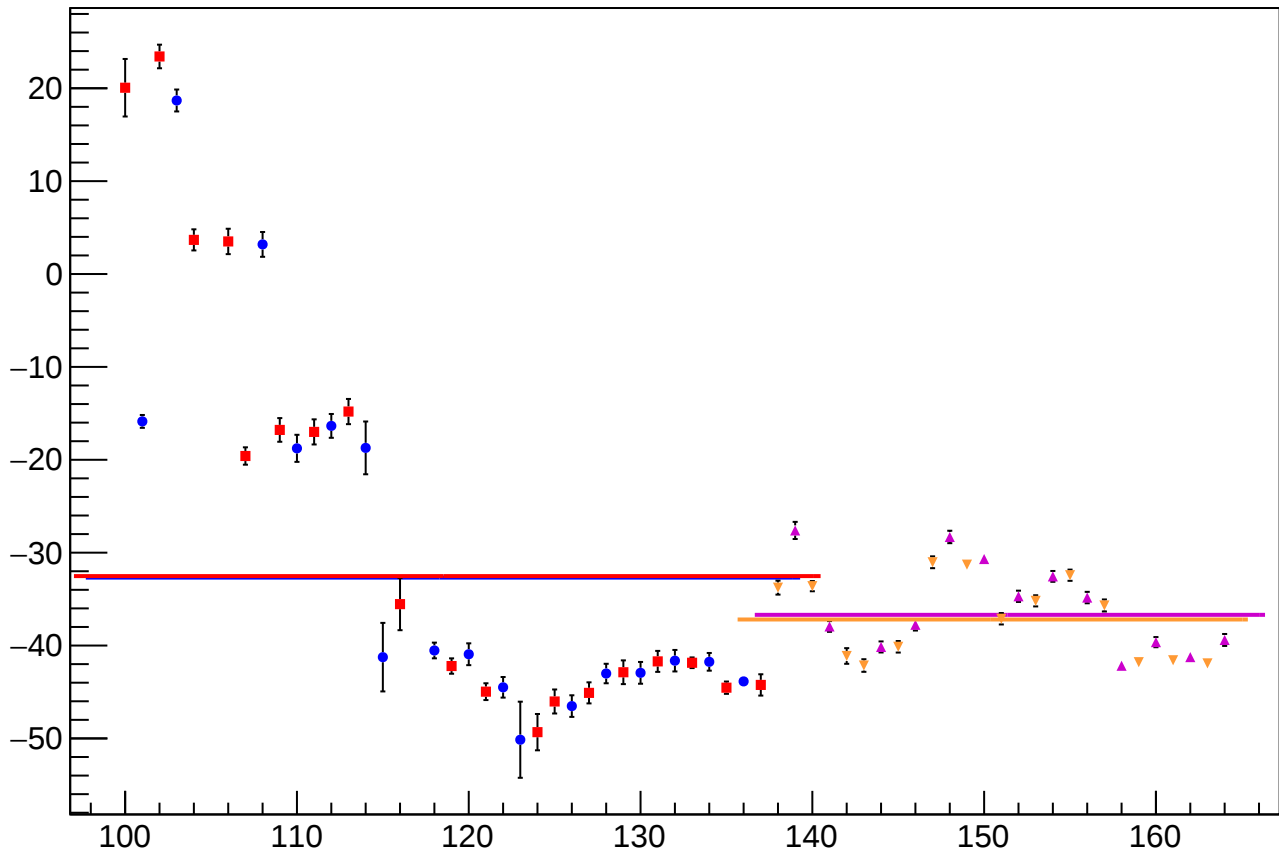
Right: 2.468 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$

In: -7.412 ± 0.170 $\chi^2/\text{NDF}: 1318.1/29$

Out: -6.914 ± 0.170 $\chi^2/\text{NDF}: 1156.1/32$

All: -7.163 ± 0.120 $\chi^2/\text{NDF}: 2478.5/62$

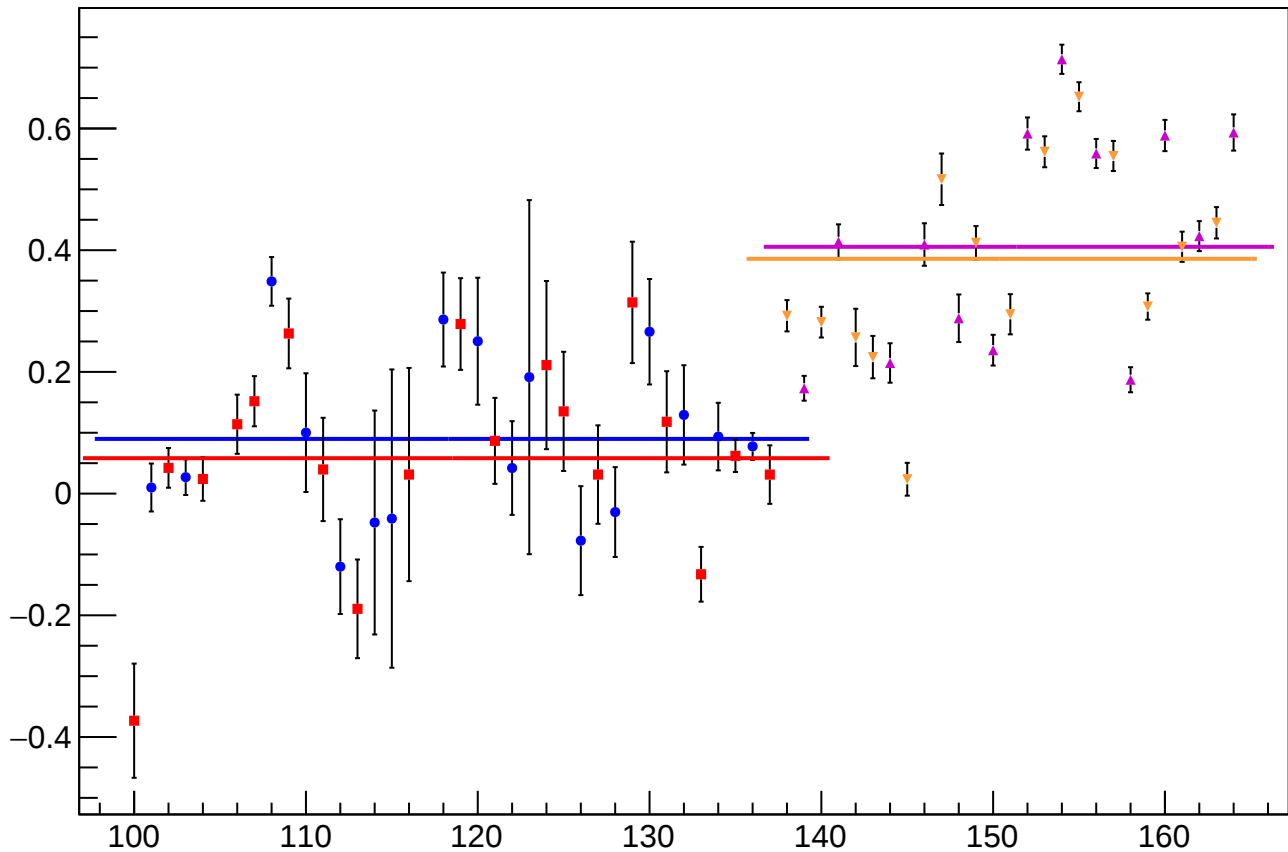
reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$
 Left Out: -37.195 ± 0.159 $\chi^2/\text{NDF}: 698.7/13$
 Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$
 Left In: -36.694 ± 0.162 $\chi^2/\text{NDF}: 769.1/12$

Left: -36.948 ± 0.114 $\chi^2/\text{NDF}: 1472.7/26$
 Right: -32.599 ± 0.177 $\chi^2/\text{NDF}: 10692.4/35$
 In: -35.544 ± 0.137 $\chi^2/\text{NDF}: 5591.5/29$
 Out: -35.797 ± 0.133 $\chi^2/\text{NDF}: 7000.9/32$
 All: -35.674 ± 0.096 $\chi^2/\text{NDF}: 12594.1/62$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.386 $\pm$ 0.007 χ^2 /NDF: 496.3/13

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.1/18

Left In: 0.406 $\pm$ 0.007 χ^2 /NDF: 678.6/12

Left: 0.396 $\pm$ 0.005 χ^2 /NDF: 1178.6/26

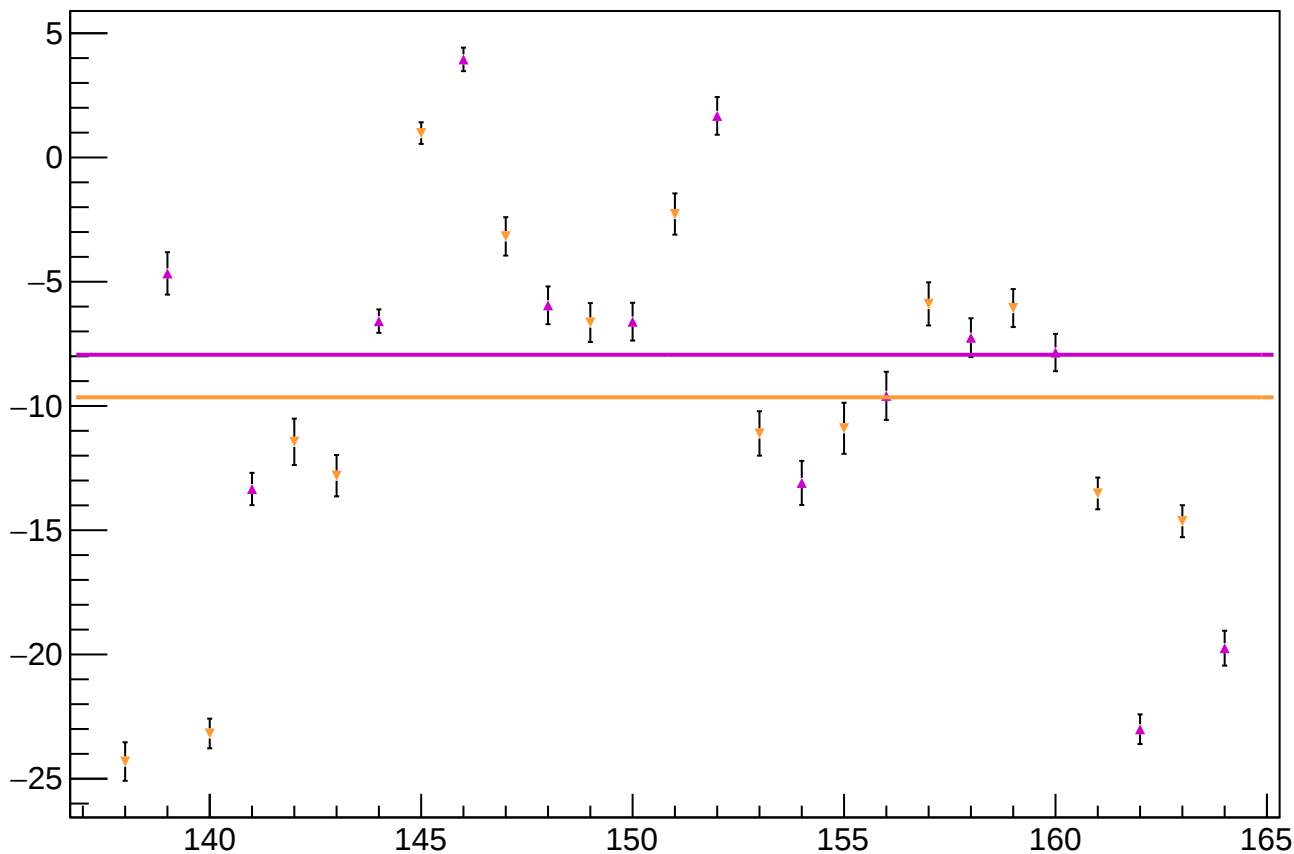
Right: 0.073 $\pm$ 0.009 χ^2 /NDF: 169.1/35

In: 0.329 $\pm$ 0.006 χ^2 /NDF: 1221.8/29

Out: 0.299 $\pm$ 0.006 χ^2 /NDF: 1116.2/32

All: 0.314 $\pm$ 0.004 χ^2 /NDF: 2349.3/62

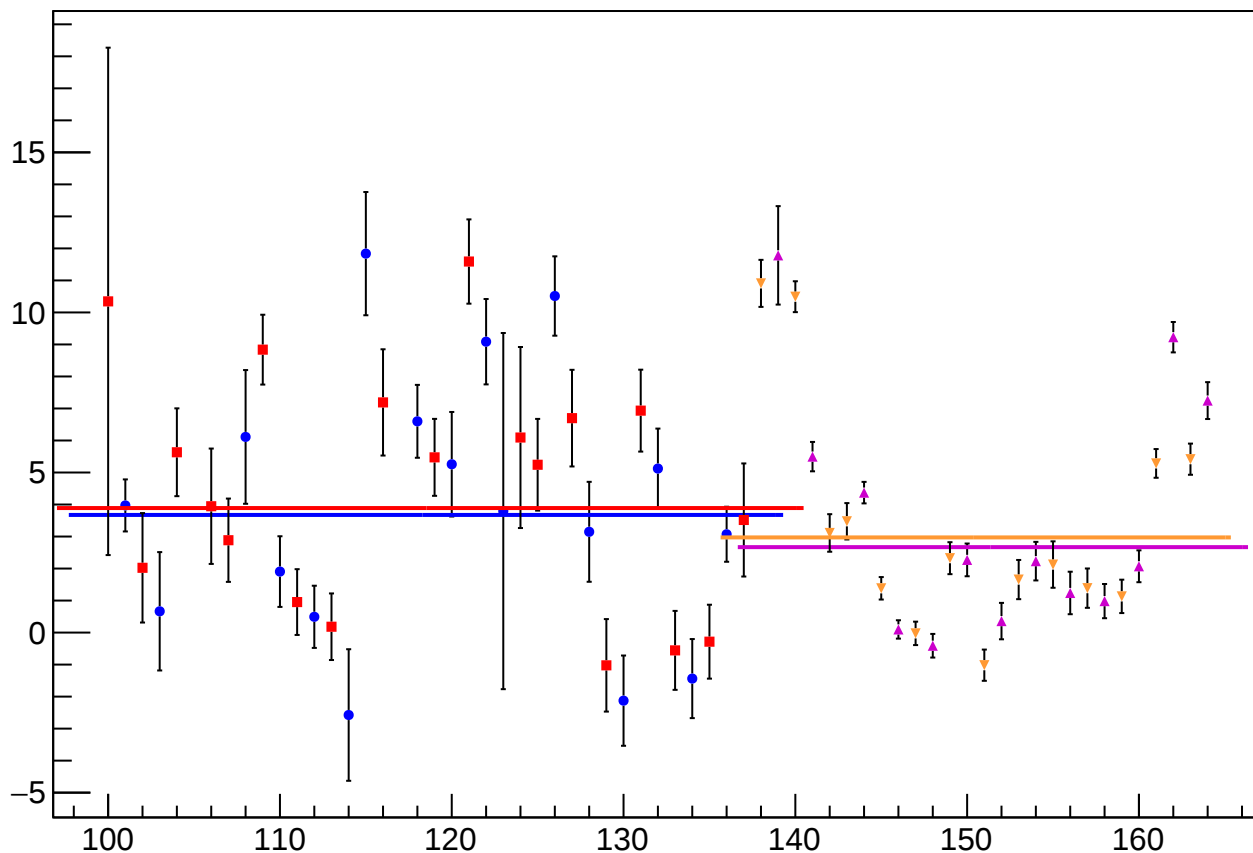
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -9.651 ± 0.192 $\chi^2/\text{NDF}: 1790.3/13$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -7.939 ± 0.187 $\chi^2/\text{NDF}: 1854.0/12$

Left: -8.775 ± 0.134 $\chi^2/\text{NDF}: 3685.1/26$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -7.939 ± 0.187 $\chi^2/\text{NDF}: 1854.0/12$
 Out: -9.651 ± 0.192 $\chi^2/\text{NDF}: 1790.3/13$
 All: -8.775 ± 0.134 $\chi^2/\text{NDF}: 3685.1/26$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 $\pm$ 0.310 χ^2/NDF : 135.2/16

Left Out: 2.973 $\pm$ 0.134 χ^2/NDF : 593.6/13

Right Out: 3.890 $\pm$ 0.316 χ^2/NDF : 133.7/18

Left In: 2.669 $\pm$ 0.129 χ^2/NDF : 536.3/12

Left: 2.815 $\pm$ 0.093 χ^2/NDF : 1132.5/26

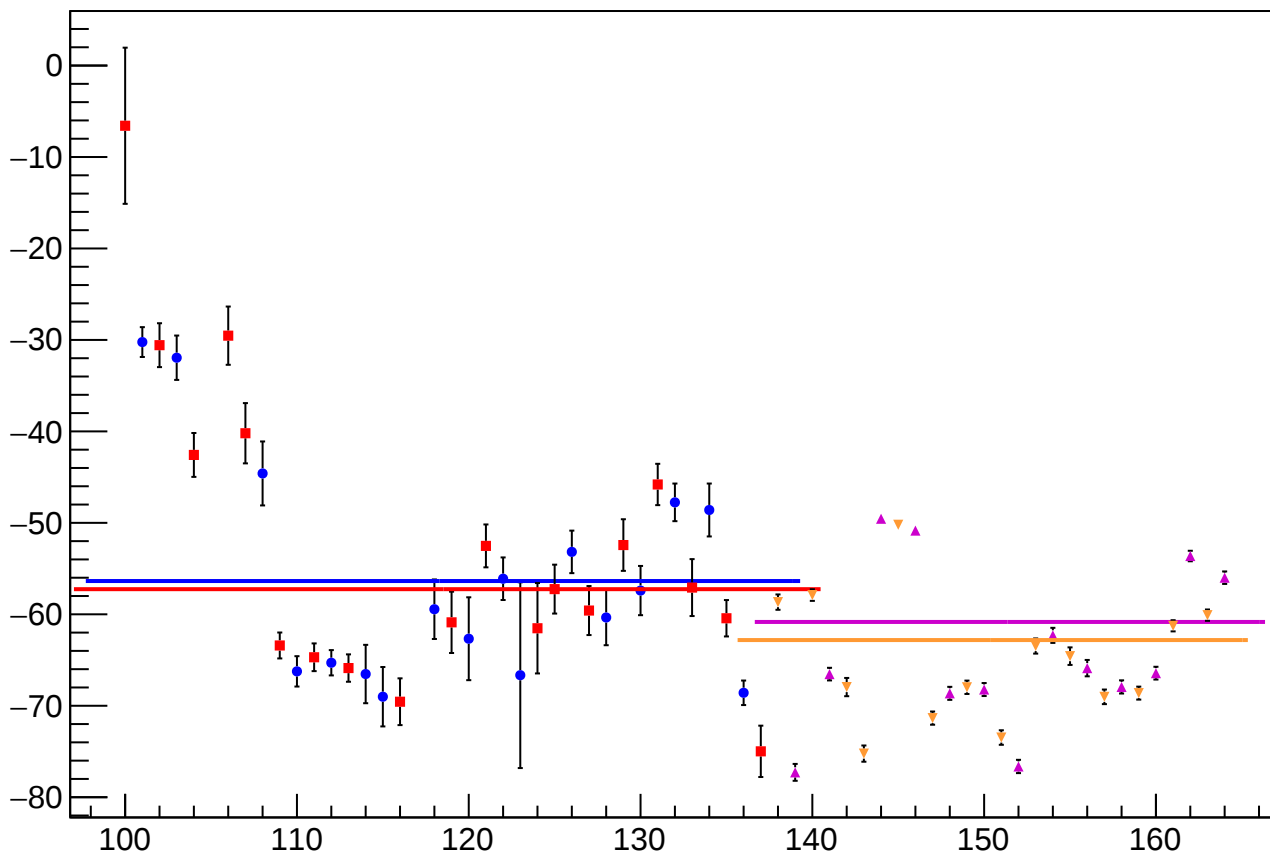
Right: 3.780 $\pm$ 0.221 χ^2/NDF : 269.1/35

In: 2.816 $\pm$ 0.119 χ^2/NDF : 680.4/29

Out: 3.111 $\pm$ 0.123 χ^2/NDF : 734.4/32

All: 2.959 $\pm$ 0.085 χ^2/NDF : 1417.8/62

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 $\pm$ 0.543 χ^2 /NDF: 587.2/16

Left Out: -62.816 $\pm$ 0.190 χ^2 /NDF:1571.8/13

Right Out: -57.252 $\pm$ 0.536 χ^2 /NDF: 476.0/18

Left In: -60.835 $\pm$ 0.183 χ^2 /NDF:2472.7/12

Left: -61.788 $\pm$ 0.132 χ^2 /NDF: 4100.7/26

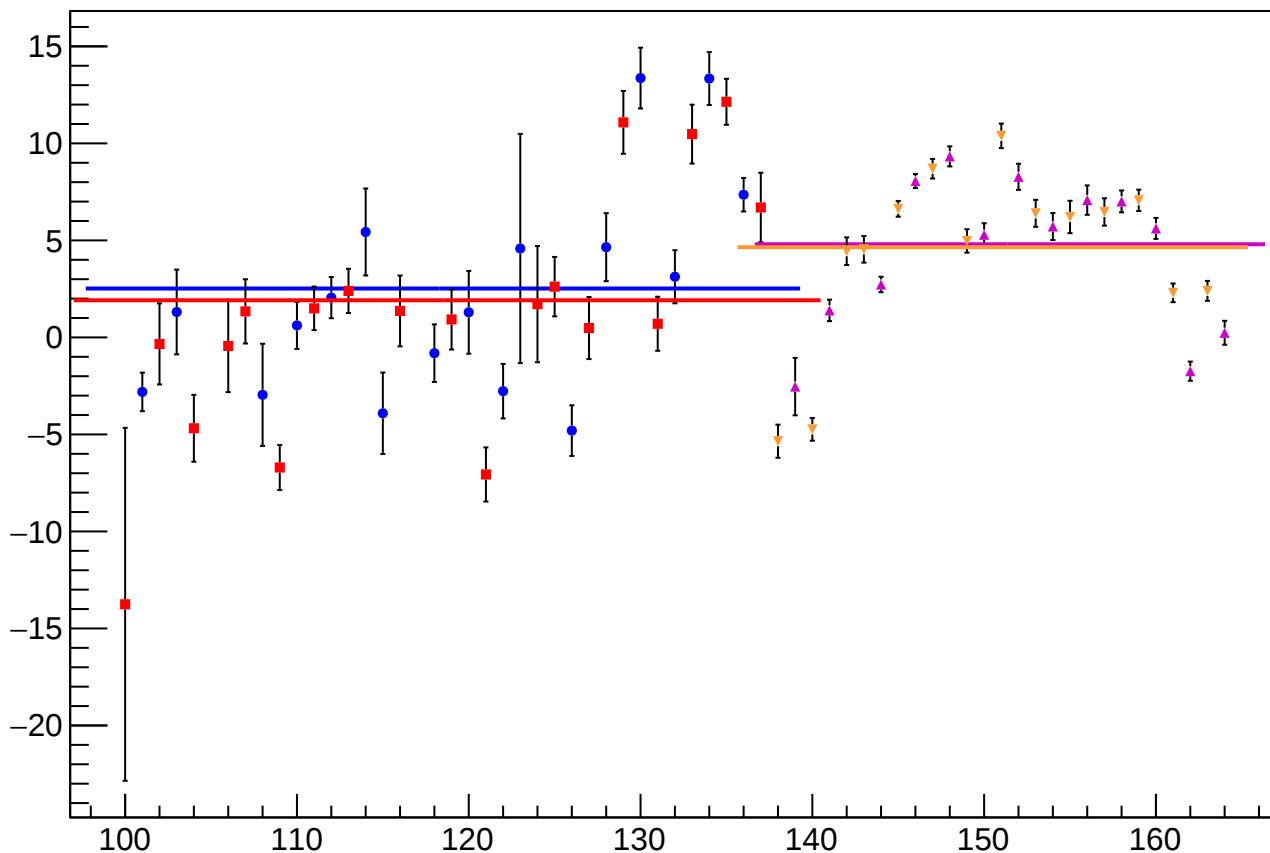
Right: -56.813 $\pm$ 0.382 χ^2 /NDF: 1064.6/35

In: -60.378 $\pm$ 0.174 χ^2 /NDF:3120.8/29

Out: -62.192 $\pm$ 0.179 χ^2 /NDF:2143.4/32

All: -61.256 $\pm$ 0.125 χ^2 /NDF: 5317.0/62

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 $\pm$ 0.347 χ^2 /NDF: 242.3/16

Left Out: 4.649 $\pm$ 0.157 χ^2 /NDF: 645.8/13

Right Out: 1.914 $\pm$ 0.355 χ^2 /NDF: 264.5/18

Left In: 4.800 $\pm$ 0.152 χ^2 /NDF: 531.5/12

Left: 4.727 $\pm$ 0.109 χ^2 /NDF: 1177.8/26

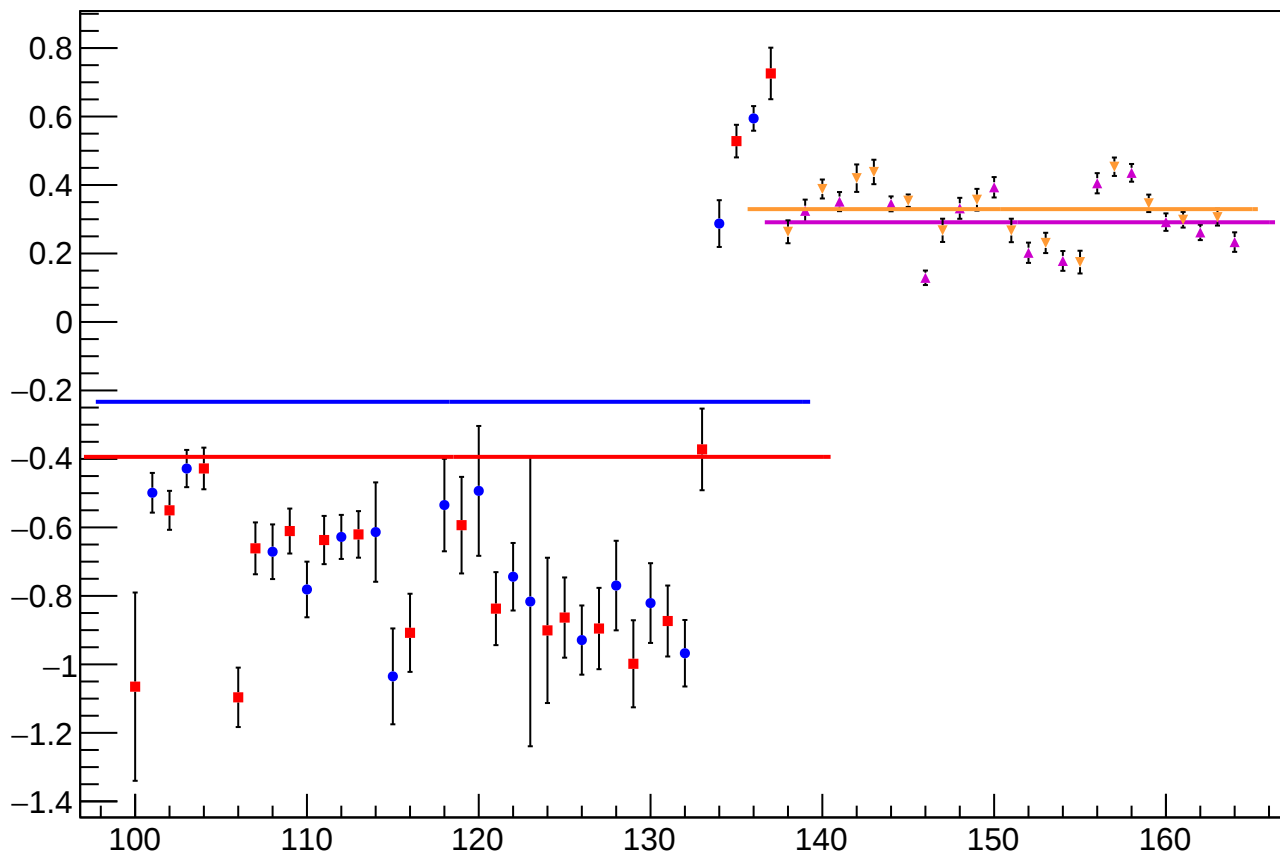
Right: 2.224 $\pm$ 0.248 χ^2 /NDF: 508.4/35

In: 4.434 $\pm$ 0.139 χ^2 /NDF: 810.1/29

Out: 4.202 $\pm$ 0.143 χ^2 /NDF: 960.0/32

All: 4.321 $\pm$ 0.100 χ^2 /NDF: 1771.4/62

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: 0.330 ± 0.007 χ^2/NDF : 89.1/13

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.291 ± 0.007 χ^2/NDF : 160.2/12

Left: 0.310 ± 0.005 χ^2/NDF : 262.7/26

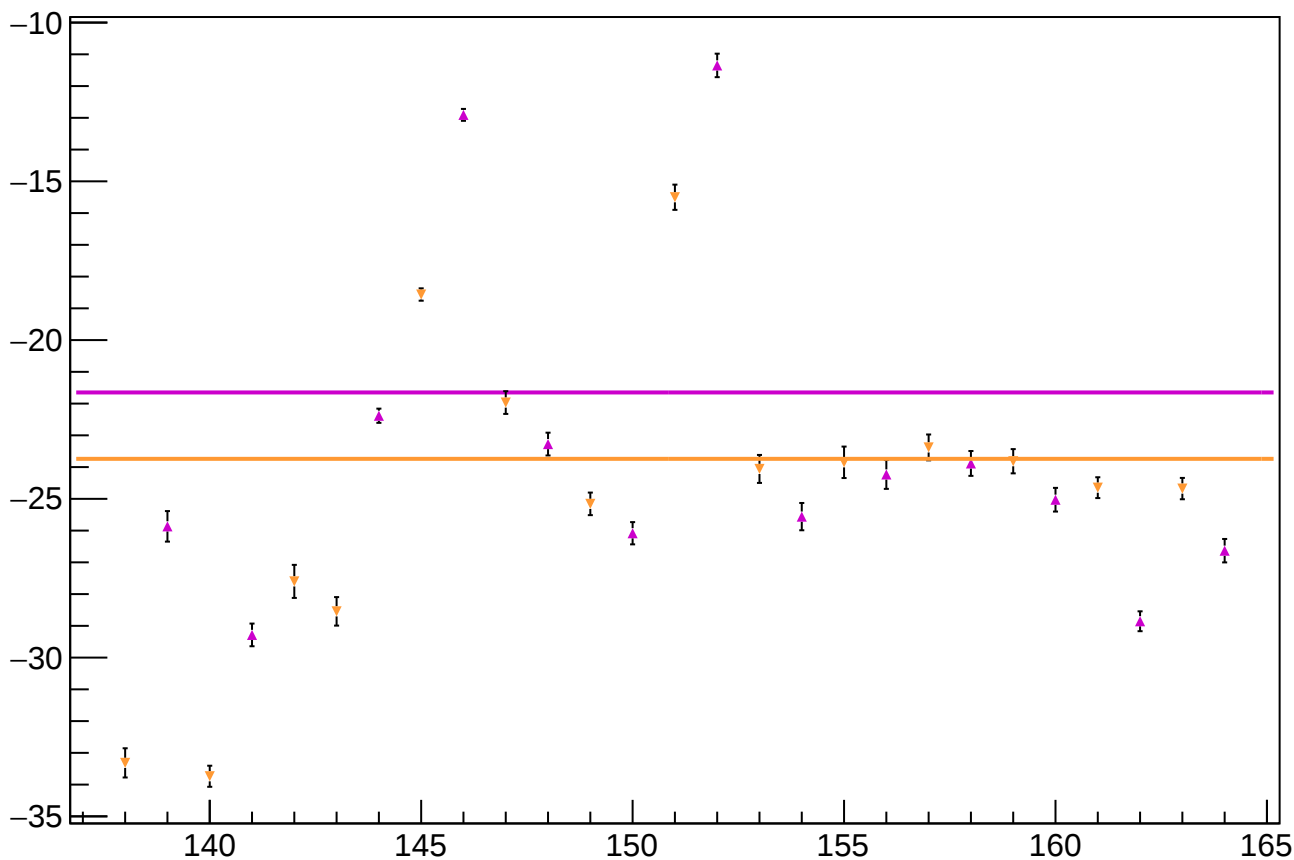
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.222 ± 0.007 χ^2/NDF : 1785.1/29

Out: 0.232 ± 0.007 χ^2/NDF : 2191.0/32

All: 0.227 ± 0.005 χ^2/NDF : 3977.1/62

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



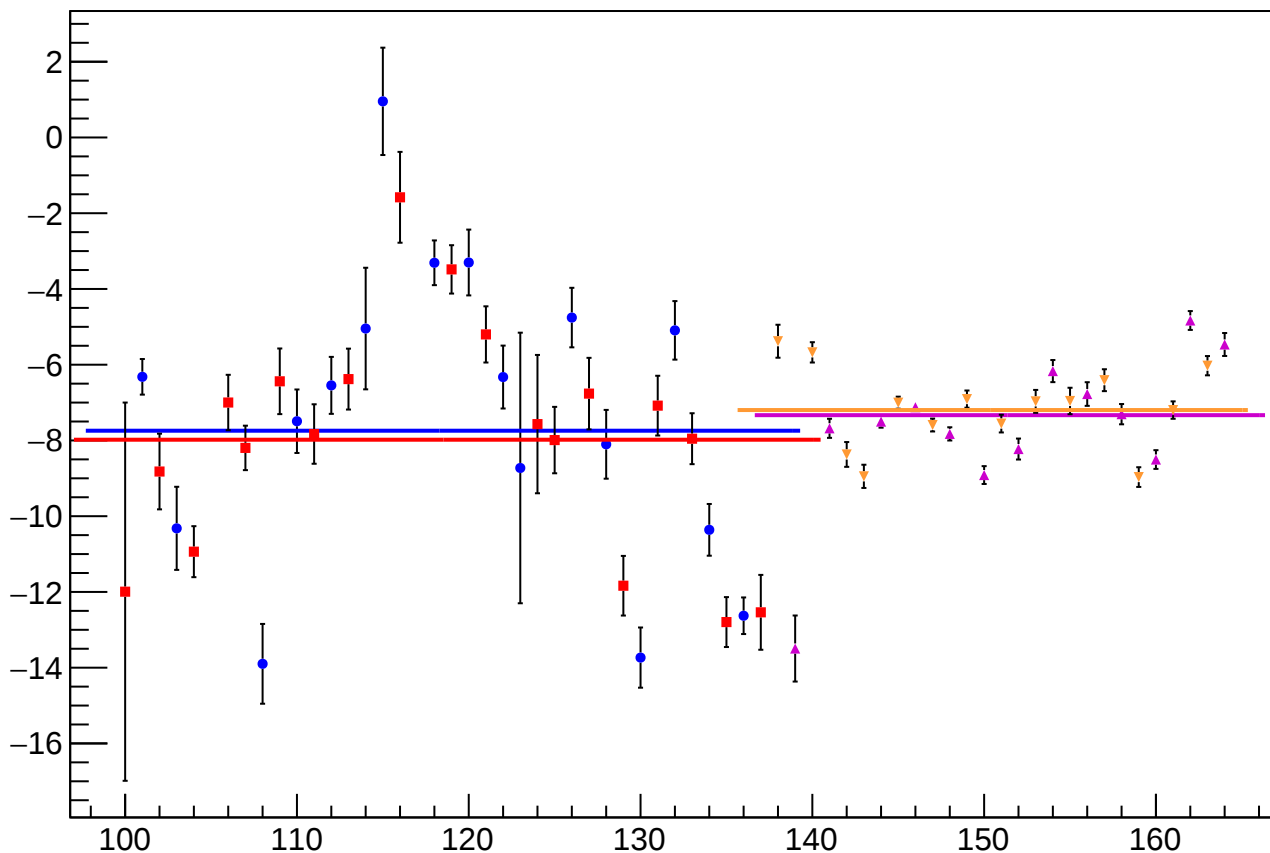
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -23.740 ± 0.095 $\chi^2/\text{NDF}: 2701.9/13$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -21.649 ± 0.089 $\chi^2/\text{NDF}: 4619.4/12$

Left: -22.632 ± 0.065 $\chi^2/\text{NDF}: 7578.8/26$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -21.649 ± 0.089 $\chi^2/\text{NDF}: 4619.4/12$
 Out: -23.740 ± 0.095 $\chi^2/\text{NDF}: 2701.9/13$

All: -22.632 ± 0.065 $\chi^2/\text{NDF}: 7578.8/26$

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: -7.197 ± 0.066 χ^2/NDF : 182.0/13

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

Left In: -7.332 ± 0.061 χ^2/NDF : 300.3/12

Left: -7.270 ± 0.045 χ^2/NDF : 484.6/26

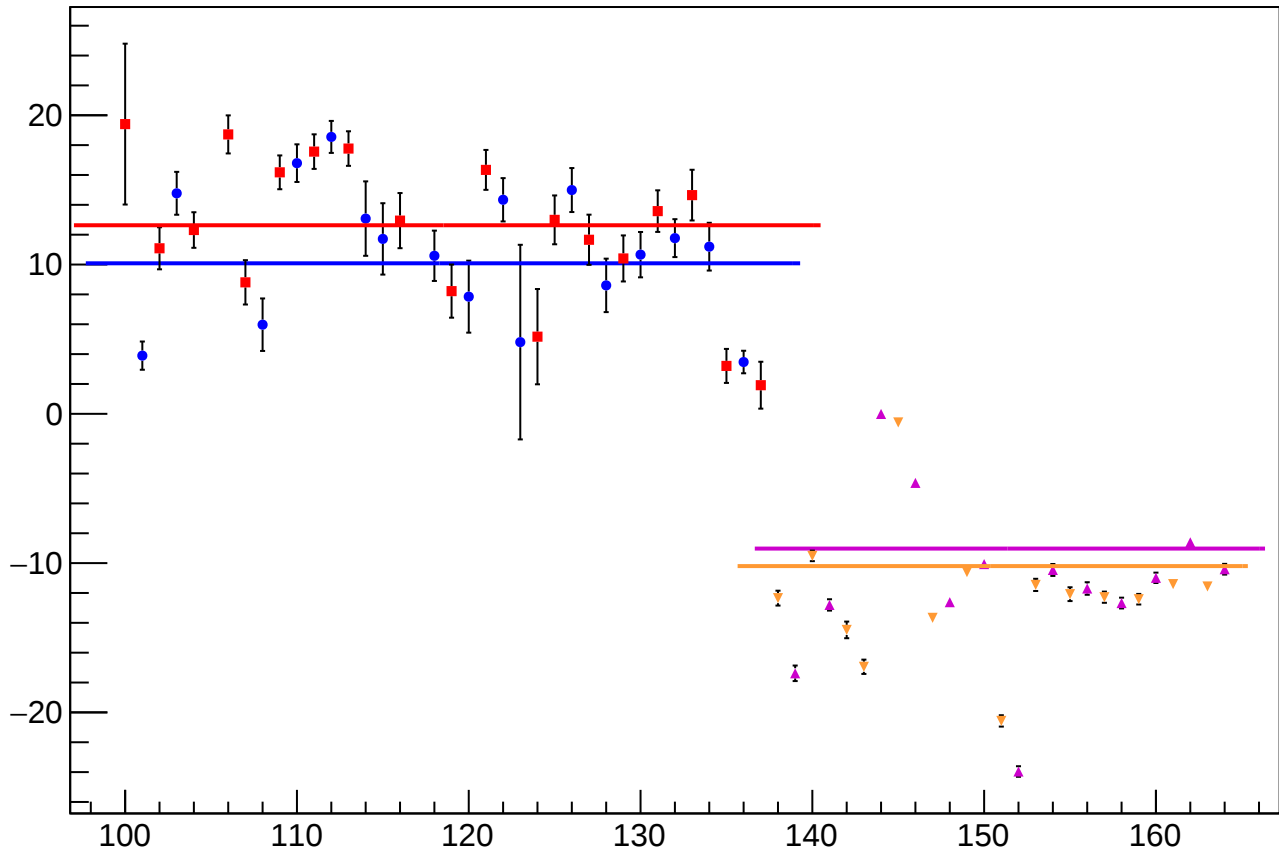
Right: -7.863 ± 0.132 χ^2/NDF : 601.9/35

In: -7.371 ± 0.058 χ^2/NDF : 682.2/29

Out: -7.284 ± 0.062 χ^2/NDF : 421.3/32

All: -7.331 ± 0.042 χ^2/NDF : 1104.6/62

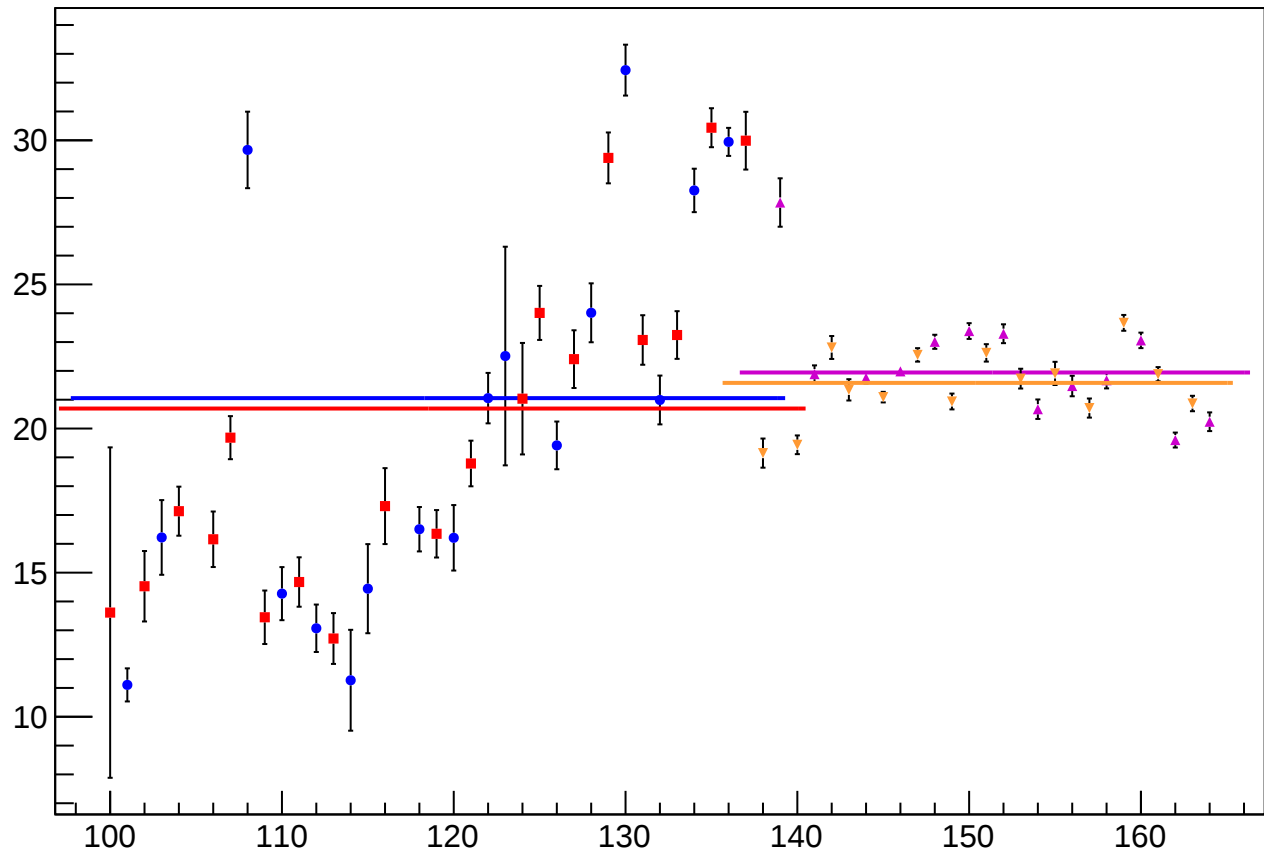
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$
 Left Out: -10.200 ± 0.094 $\chi^2/\text{NDF}: 3441.2/13$
 Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$
 Left In: -9.027 ± 0.087 $\chi^2/\text{NDF}: 4475.0/12$

Left: -9.570 ± 0.064 $\chi^2/\text{NDF}: 8000.1/26$
 Right: 11.377 ± 0.237 $\chi^2/\text{NDF}: 500.1/35$
 In: -7.834 ± 0.084 $\chi^2/\text{NDF}: 7726.0/29$
 Out: -8.517 ± 0.090 $\chi^2/\text{NDF}: 8023.1/32$
 All: -8.152 ± 0.062 $\chi^2/\text{NDF}: 15779.6/62$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 $\pm$ 0.211 χ^2/NDF : 1211.8/16

Left Out: 21.584 $\pm$ 0.077 χ^2/NDF : 192.8/13

Right Out: 20.694 $\pm$ 0.213 χ^2/NDF : 724.1/18

Left In: 21.944 $\pm$ 0.072 χ^2/NDF : 257.4/12

Left: 21.777 $\pm$ 0.053 χ^2/NDF : 461.9/26

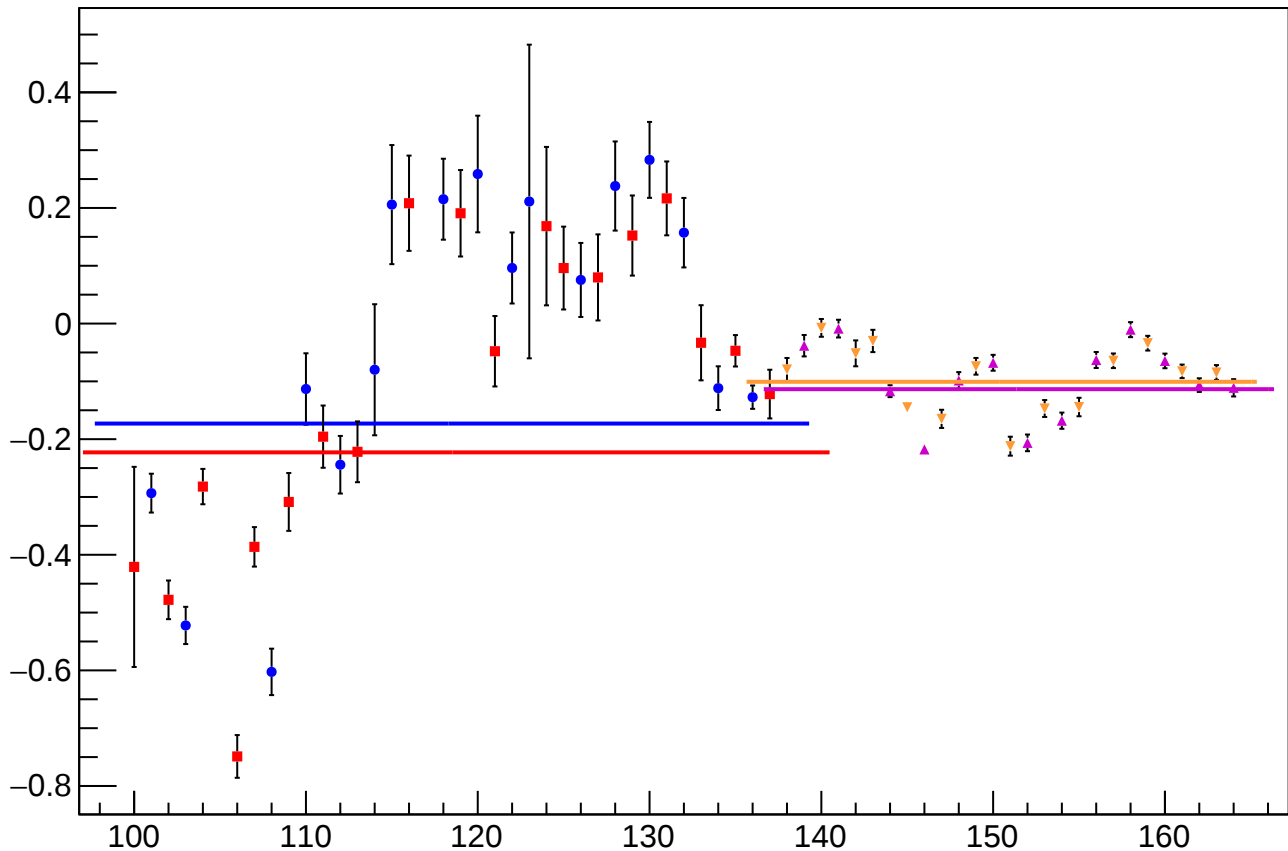
Right: 20.876 $\pm$ 0.150 χ^2/NDF : 1937.3/35

In: 21.851 $\pm$ 0.068 χ^2/NDF : 1485.2/29

Out: 21.480 $\pm$ 0.073 χ^2/NDF : 932.3/32

All: 21.678 $\pm$ 0.050 χ^2/NDF : 2431.4/62

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: -0.101 ± 0.004 χ^2/NDF : 209.3/13

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.113 ± 0.004 χ^2/NDF : 375.8/12

Left: -0.107 ± 0.003 χ^2/NDF : 591.4/26

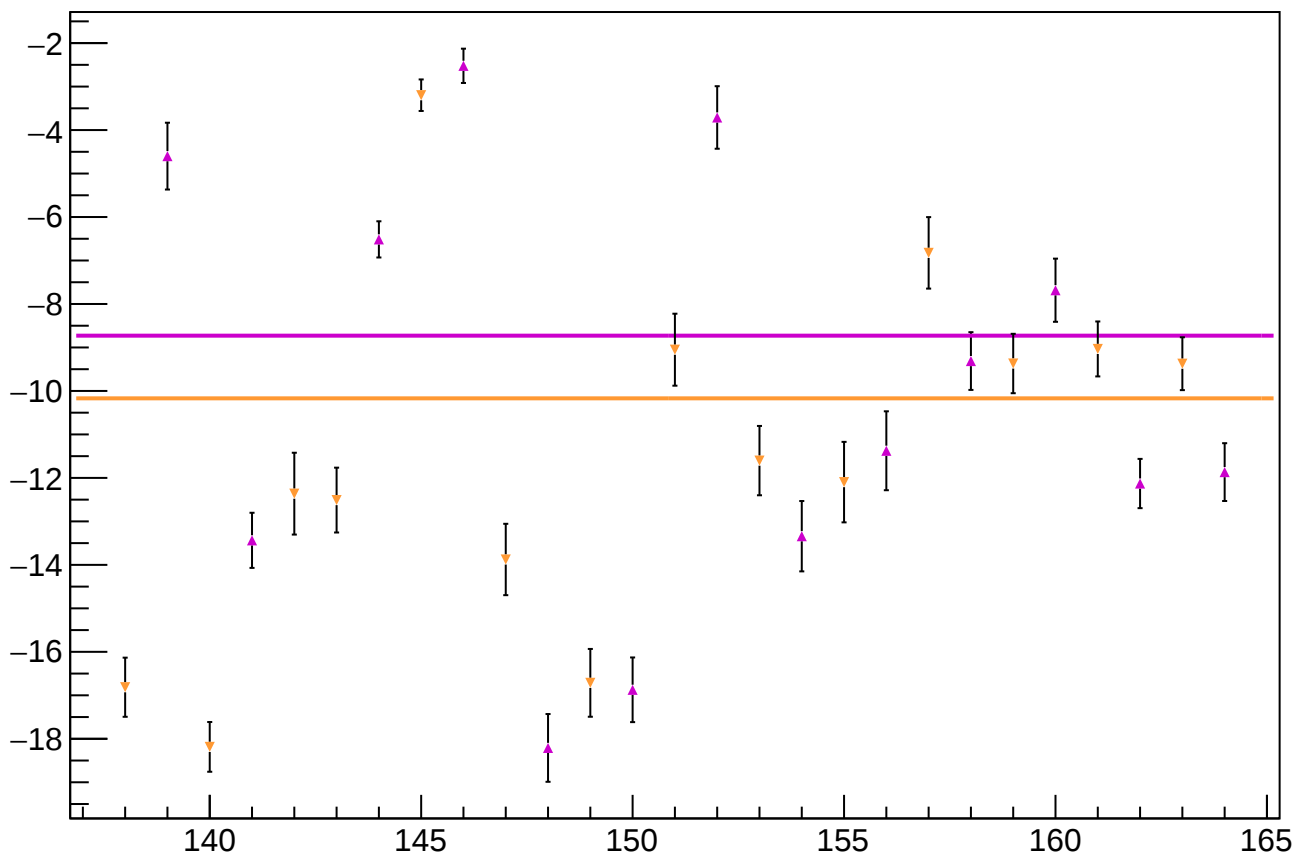
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.119 ± 0.003 χ^2/NDF : 863.3/29

Out: -0.113 ± 0.003 χ^2/NDF : 856.0/32

All: -0.116 ± 0.002 χ^2/NDF : 1720.7/62

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: -10.170+/-0.177 χ^2/NDF : 799.7/13

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

Left In: -8.729+/-0.171 χ^2/NDF : 778.7/12

Left: -9.426+/-0.123 χ^2/NDF : 1612.6/26

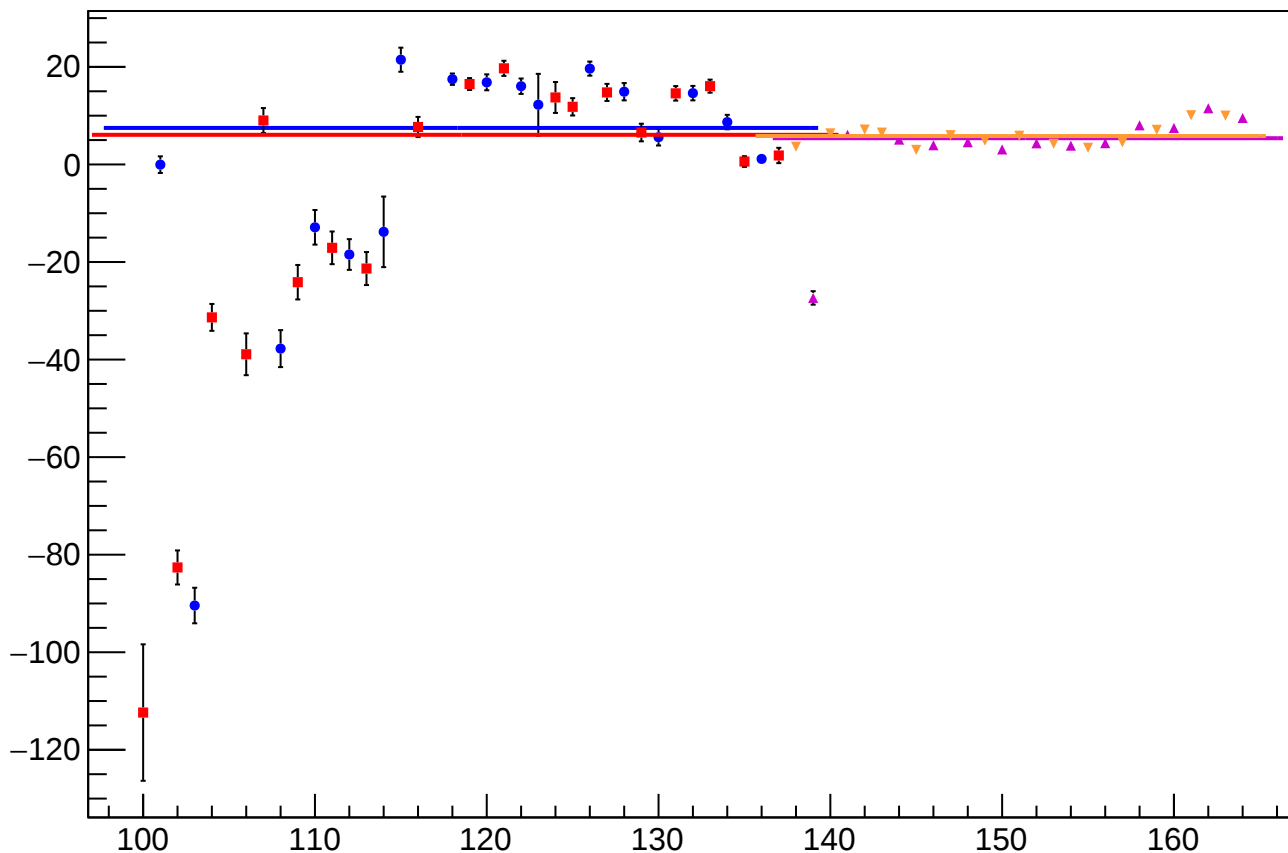
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.729+/-0.171 χ^2/NDF : 778.7/12

Out: -10.170+/-0.177 χ^2/NDF : 799.7/13

All: -9.426+/-0.123 χ^2/NDF : 1612.6/26

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 5.827 ± 0.125 χ^2/NDF : 330.0/13

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

Left In: 5.381 ± 0.119 χ^2/NDF : 933.3/12

Left: 5.593 ± 0.086 χ^2/NDF : 1269.9/26

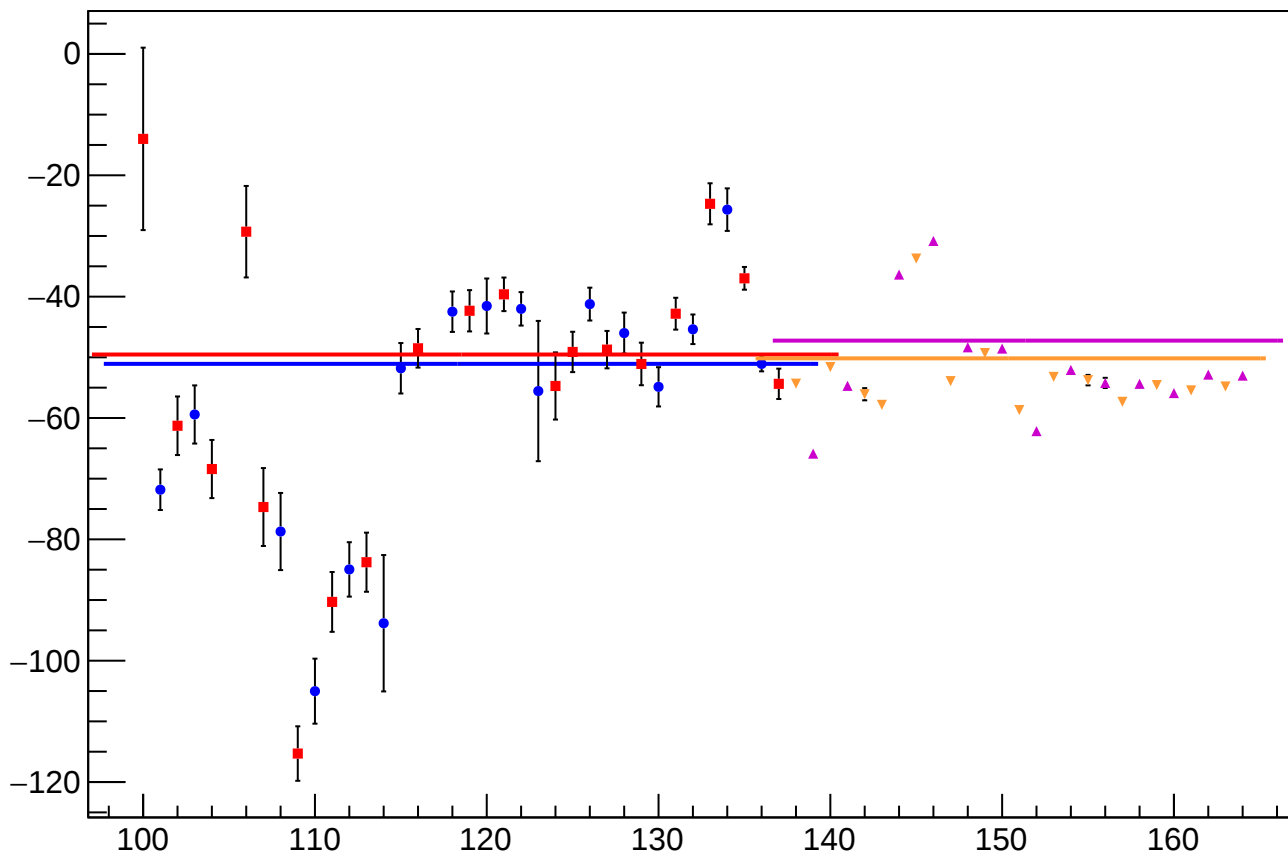
Right: 6.829 ± 0.297 χ^2/NDF : 2858.2/35

In: 5.548 ± 0.114 χ^2/NDF : 2298.5/29

Out: 5.847 ± 0.120 χ^2/NDF : 1842.4/32

All: 5.690 ± 0.083 χ^2/NDF : 4144.1/62

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

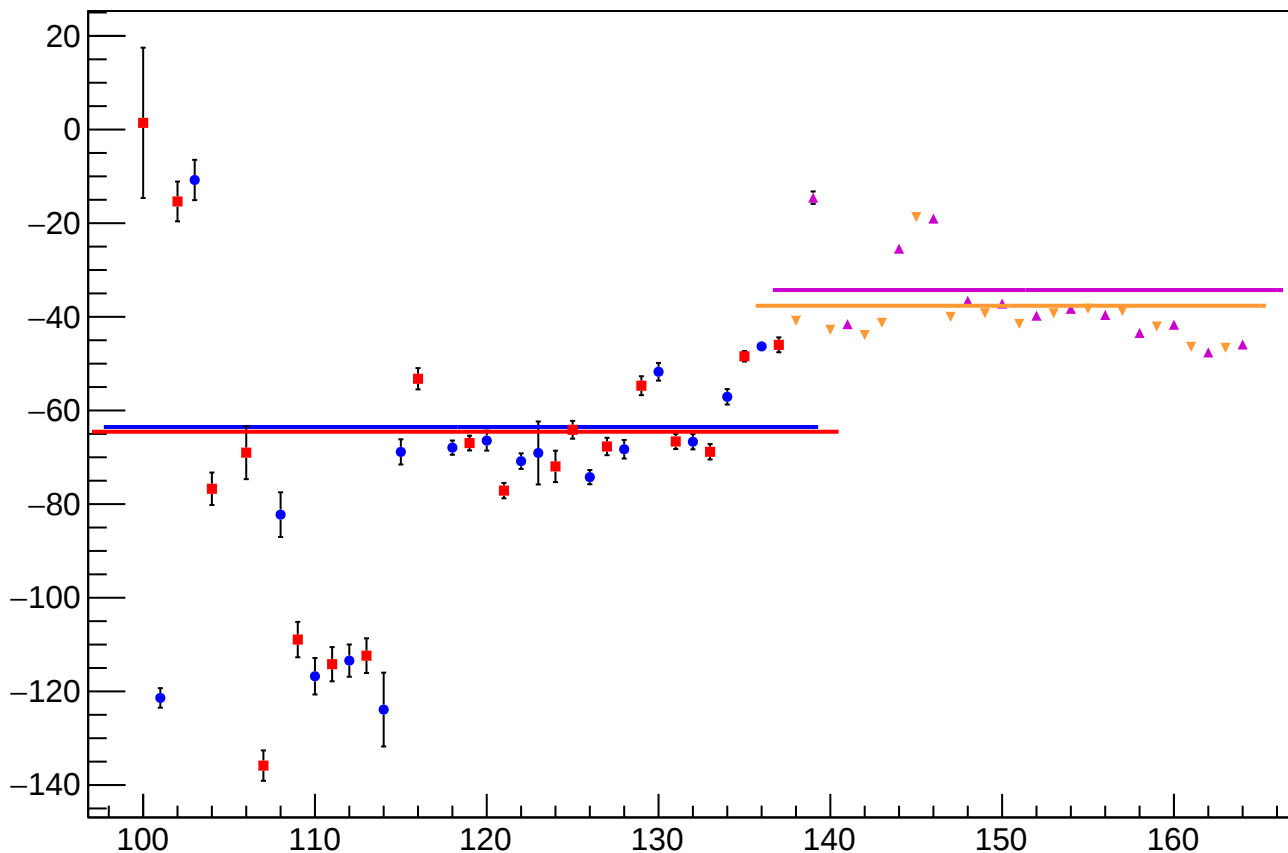


Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16
 Left Out: -50.172 ± 0.177 χ^2/NDF : 2419.2/13
 Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18
 Left In: -47.247 ± 0.168 χ^2/NDF : 4158.0/12

Left: -48.635 ± 0.122 χ^2/NDF : 6721.0/26
 Right: -50.365 ± 0.543 χ^2/NDF : 841.8/35
 In: -47.434 ± 0.164 χ^2/NDF : 4513.6/29
 Out: -50.142 ± 0.173 χ^2/NDF : 2929.4/32

All: -48.718 ± 0.119 χ^2/NDF : 7572.5/62

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: -37.637 ± 0.146 χ^2/NDF : 4271.9/13

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

Left In: -34.278 ± 0.140 χ^2/NDF : 5360.7/12

Left: -35.884 ± 0.101 χ^2/NDF : 9907.7/26

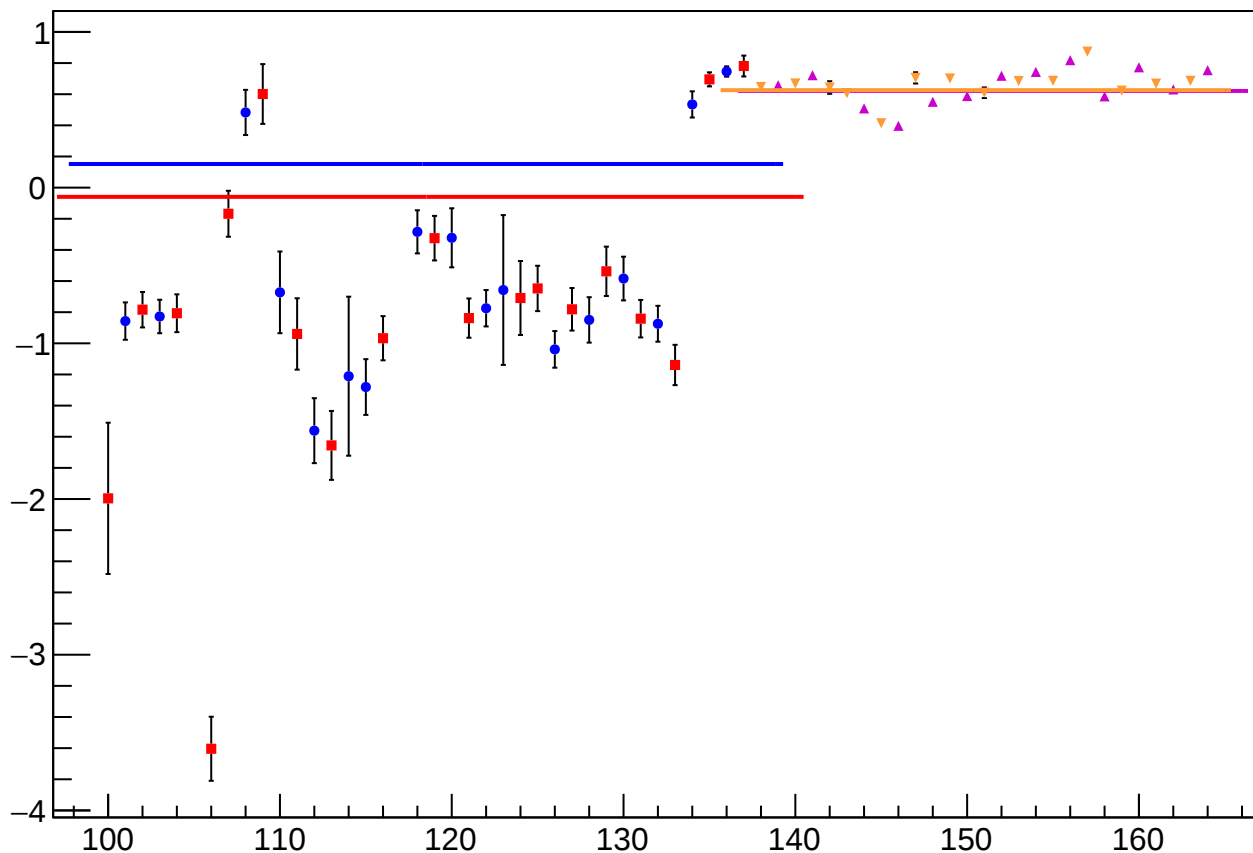
Right: -63.995 ± 0.329 χ^2/NDF : 3616.4/35

In: -36.873 ± 0.134 χ^2/NDF : 11243.8/29

Out: -39.897 ± 0.140 χ^2/NDF : 8717.2/32

All: -38.315 ± 0.097 χ^2/NDF : 20205.1/62

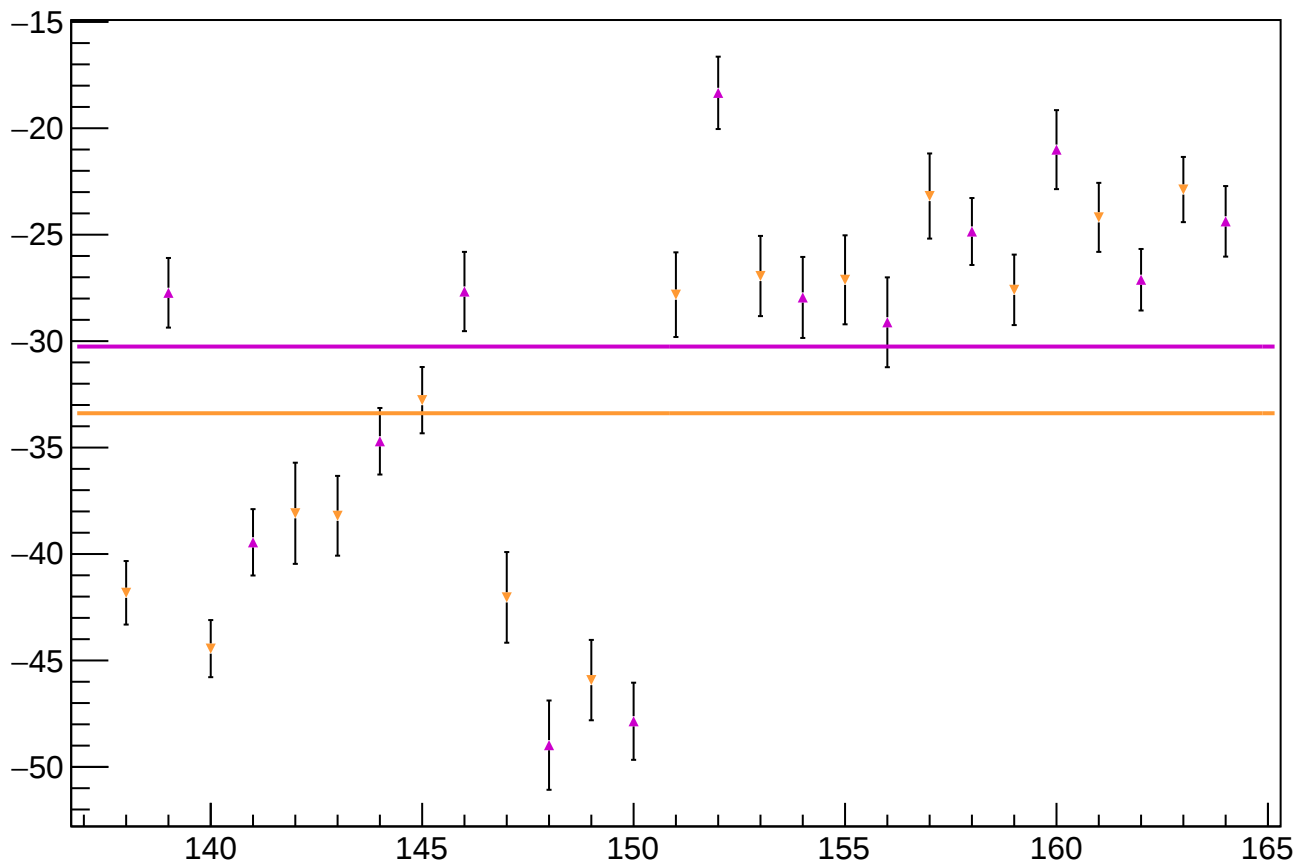
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16
 Left Out: 0.626 ± 0.007 χ^2/NDF : 322.9/13
 Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18
 Left In: 0.621 ± 0.007 χ^2/NDF : 362.3/12

Left: 0.623 ± 0.005 χ^2/NDF : 685.4/26
 Right: 0.056 ± 0.018 χ^2/NDF : 2184.3/35
 In: 0.586 ± 0.007 χ^2/NDF : 1702.9/29
 Out: 0.582 ± 0.007 χ^2/NDF : 2119.8/32
 All: 0.584 ± 0.005 χ^2/NDF : 3823.0/62

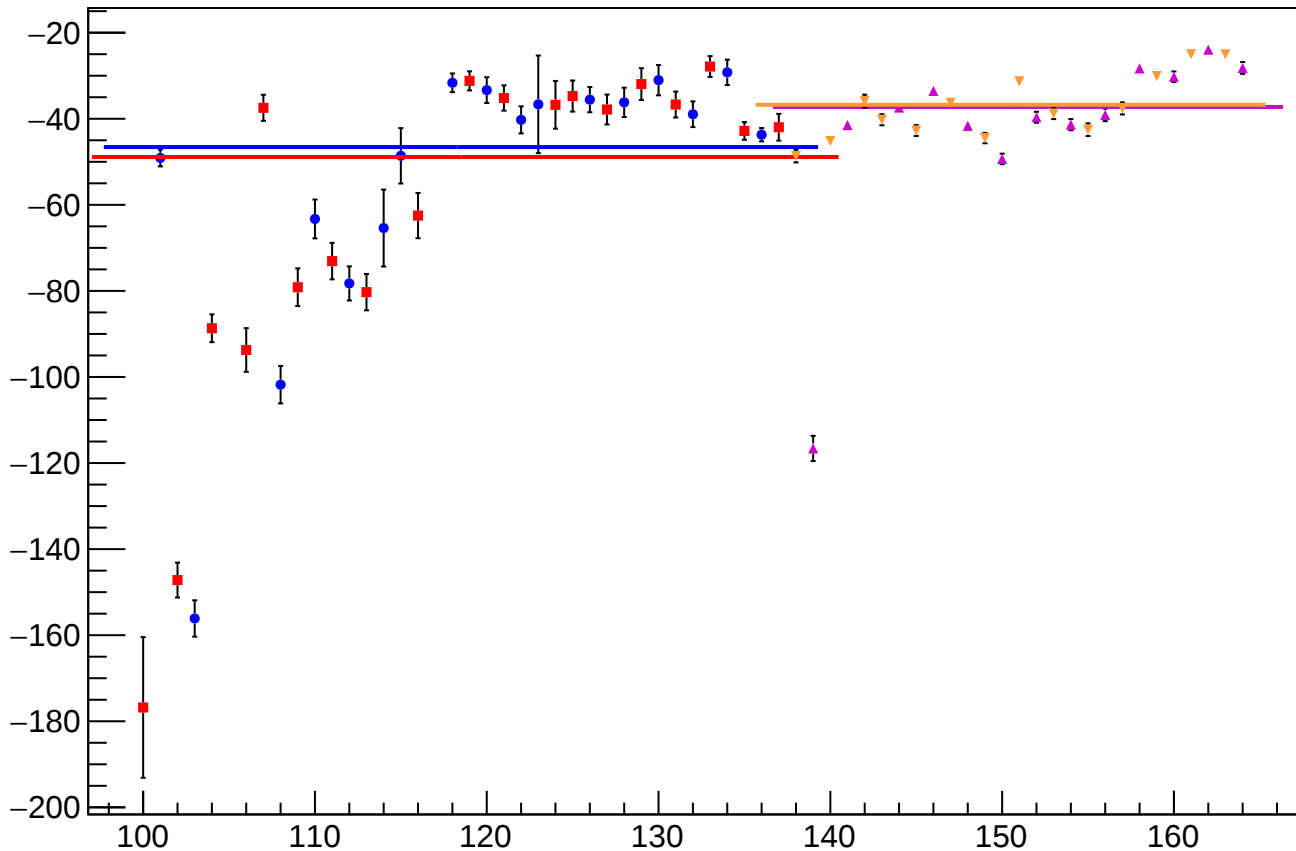
reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -33.387+/-0.468 χ^2/NDF :317.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -30.255+/-0.477 χ^2/NDF :326.2/12

Left: -31.850+/-0.334 χ^2/NDF : 665.5/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -30.255+/-0.477 χ^2/NDF :326.2/12
 Out: -33.387+/-0.468 χ^2/NDF :317.3/13
 All: -31.850+/-0.334 χ^2/NDF : 665.5/26

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: -36.754 ± 0.330 χ^2/NDF : 477.0/13

Right Out: -48.888 ± 0.763 χ^2/NDF : 1277.5/18

Left In: -37.250 ± 0.341 χ^2/NDF : 1165.8/12

Left: -36.994 ± 0.237 χ^2/NDF : 1643.9/26

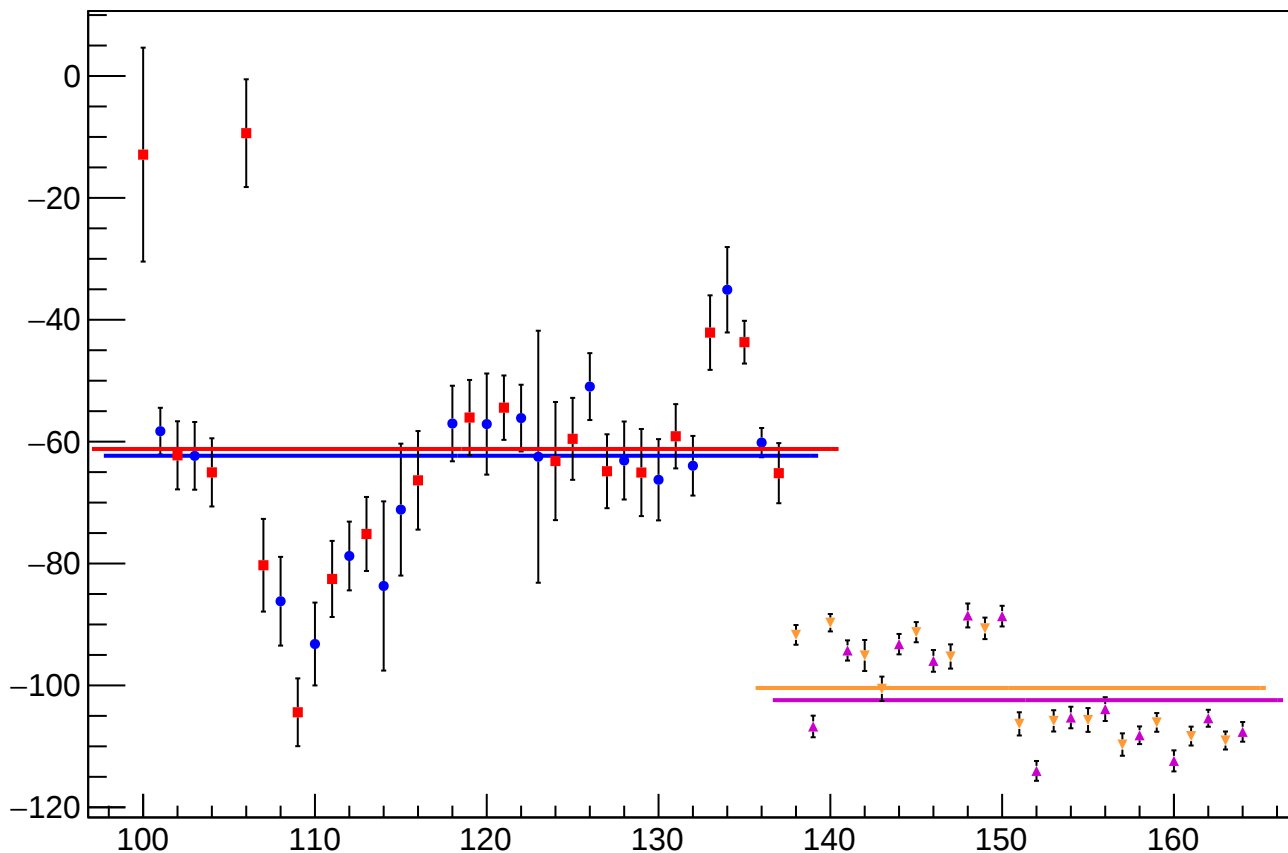
Right: -47.681 ± 0.527 χ^2/NDF : 2358.7/35

In: -38.923 ± 0.309 χ^2/NDF : 2376.3/29

Out: -38.665 ± 0.303 χ^2/NDF : 1967.3/32

All: -38.792 ± 0.216 χ^2/NDF : 4344.0/62

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -100.419 ± 0.462 $\chi^2/\text{NDF}: 283.1/13$

Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$

Left In: -102.417 ± 0.465 $\chi^2/\text{NDF}: 307.7/12$

Left: -101.413 ± 0.328 $\chi^2/\text{NDF}: 600.0/26$

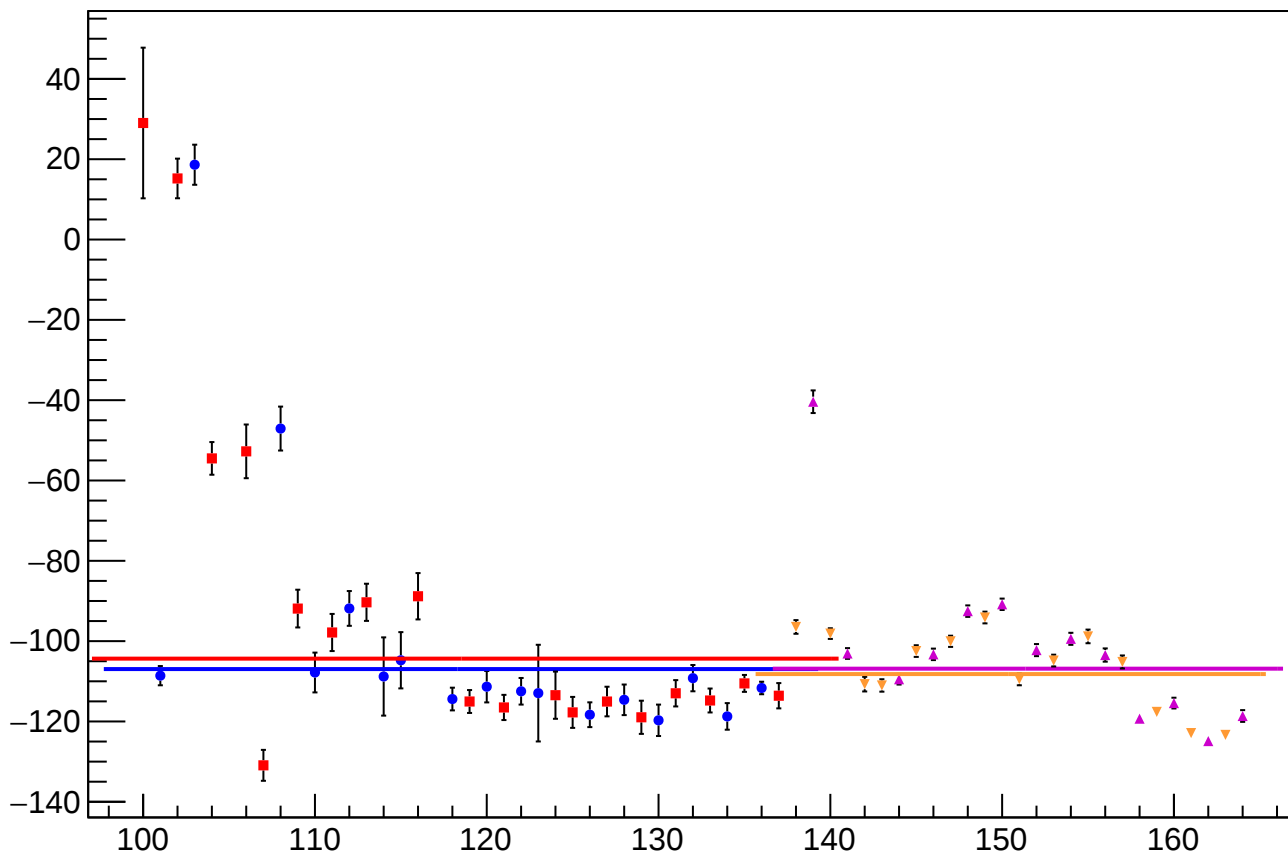
Right: -61.786 ± 0.953 $\chi^2/\text{NDF}: 232.5/35$

In: -97.969 ± 0.438 $\chi^2/\text{NDF}: 1200.9/29$

Out: -96.465 ± 0.439 $\chi^2/\text{NDF}: 1173.2/32$

All: -97.217 ± 0.310 $\chi^2/\text{NDF}: 2380.0/62$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -108.200 ± 0.385 $\chi^2/\text{NDF}: 654.8/13$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -106.856 ± 0.393 $\chi^2/\text{NDF}: 1289.1/12$

Left: -107.543 ± 0.275 $\chi^2/\text{NDF}: 1949.9/26$

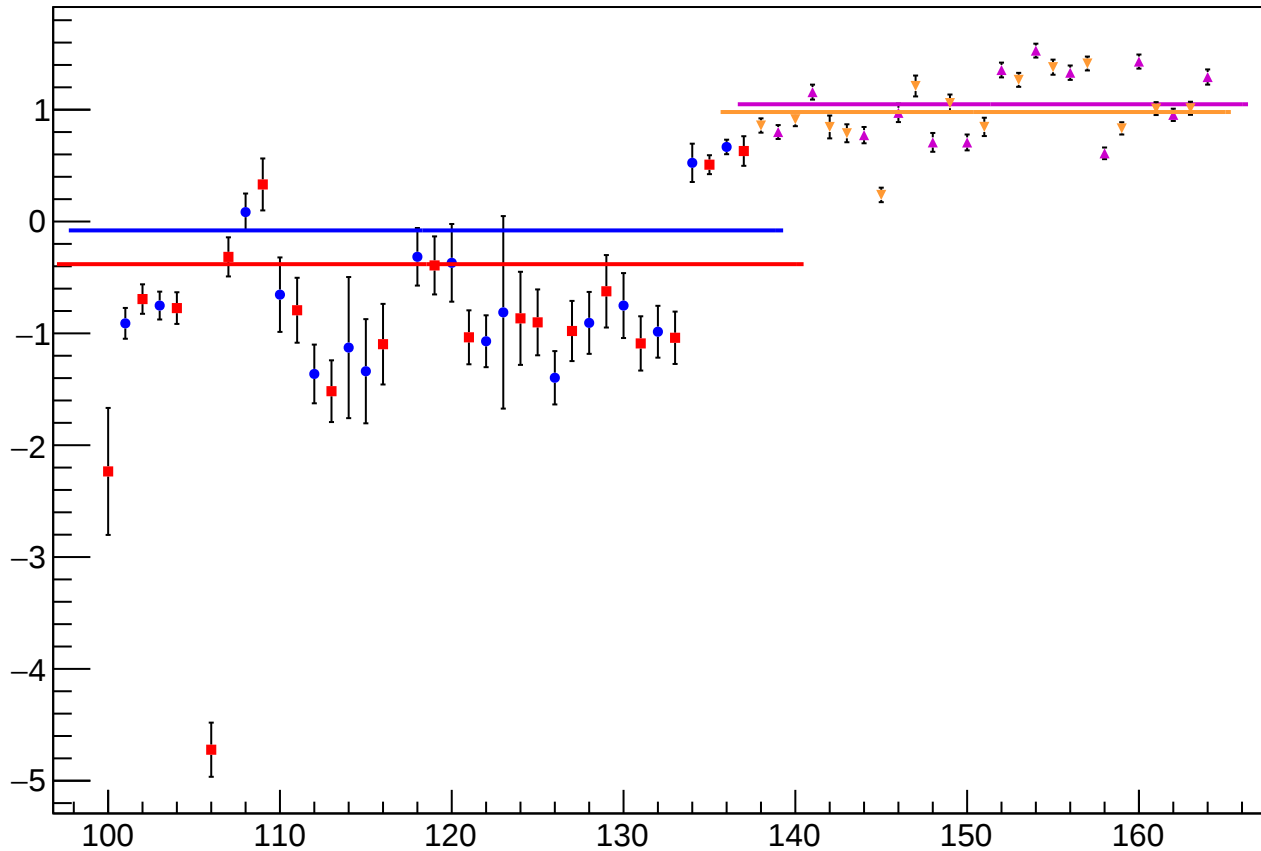
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -106.874 ± 0.354 $\chi^2/\text{NDF}: 2116.3/29$

Out: -107.561 ± 0.351 $\chi^2/\text{NDF}: 1692.4/32$

All: -107.221 ± 0.249 $\chi^2/\text{NDF}: 3810.7/62$

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: 0.979 ± 0.018 χ^2/NDF : 265.4/13

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 1.049 ± 0.018 χ^2/NDF : 296.9/12

Left: 1.014 ± 0.013 χ^2/NDF : 569.7/26

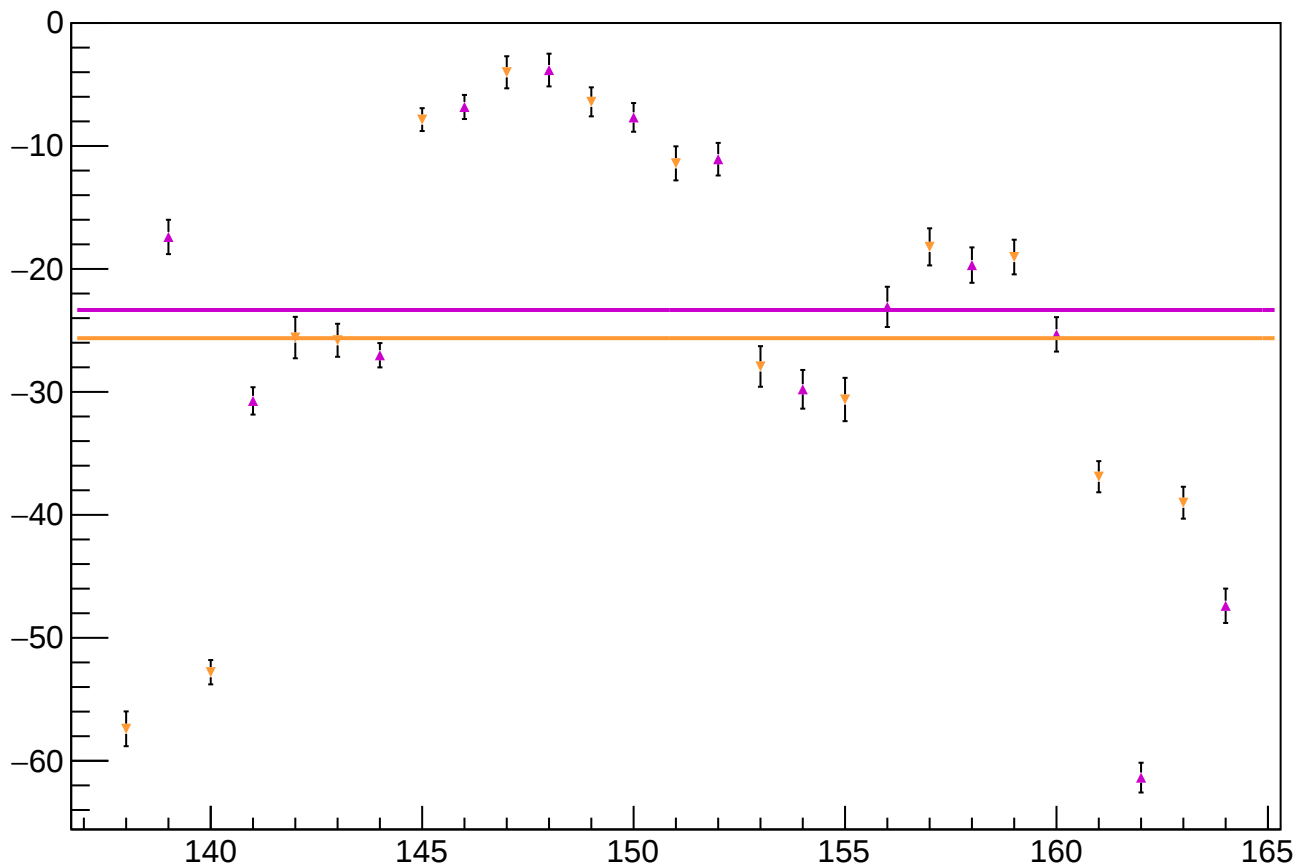
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.874 ± 0.017 χ^2/NDF : 1227.3/29

Out: 0.784 ± 0.017 χ^2/NDF : 1664.4/32

All: 0.829 ± 0.012 χ^2/NDF : 2906.2/62

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: -25.630+/-0.348 χ^2/NDF :2509.4/13

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

Left In: -23.337+/-0.349 χ^2/NDF :2149.1/12

Left: -24.487+/-0.246 χ^2/NDF : 4680.1/26

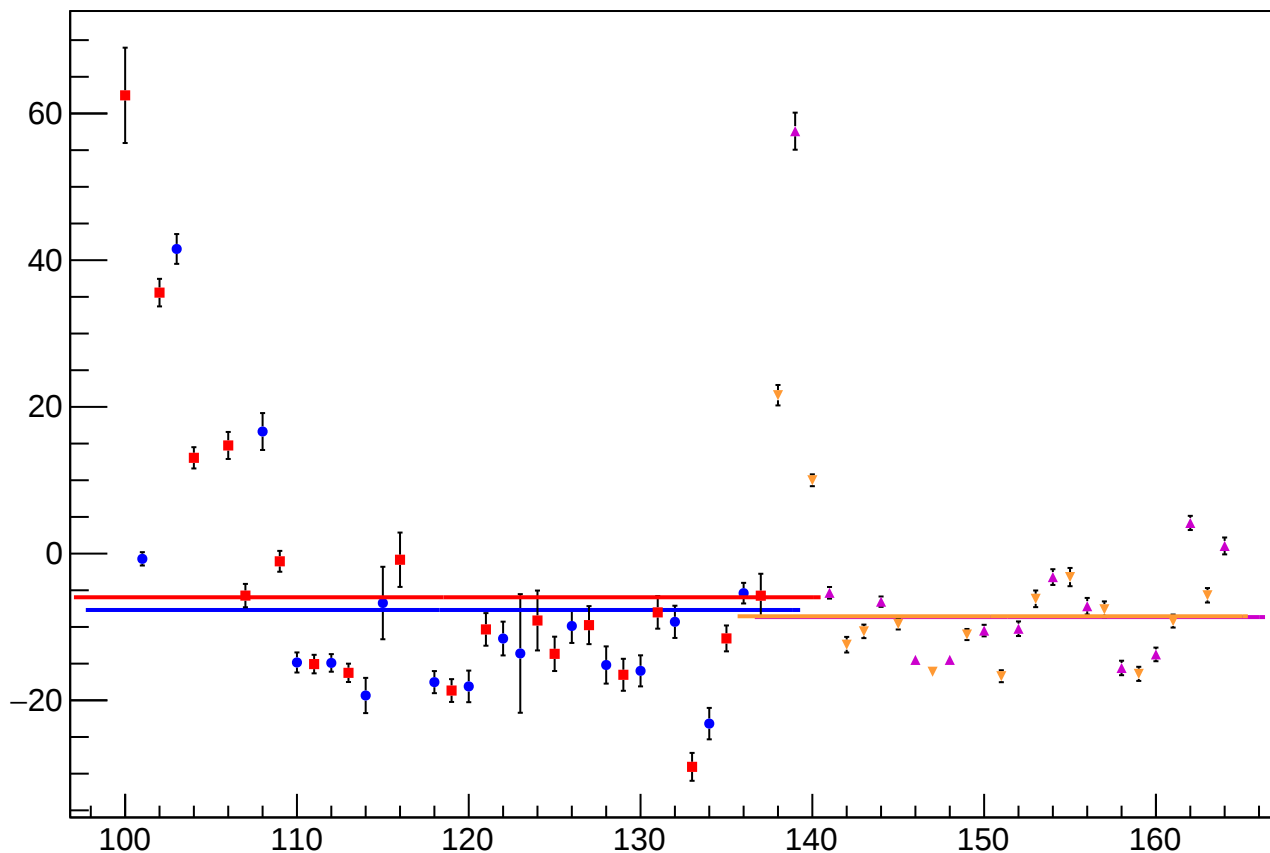
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -23.337+/-0.349 χ^2/NDF :2149.1/12

Out: -25.630+/-0.348 χ^2/NDF :2509.4/13

All: -24.487+/-0.246 χ^2/NDF : 4680.1/26

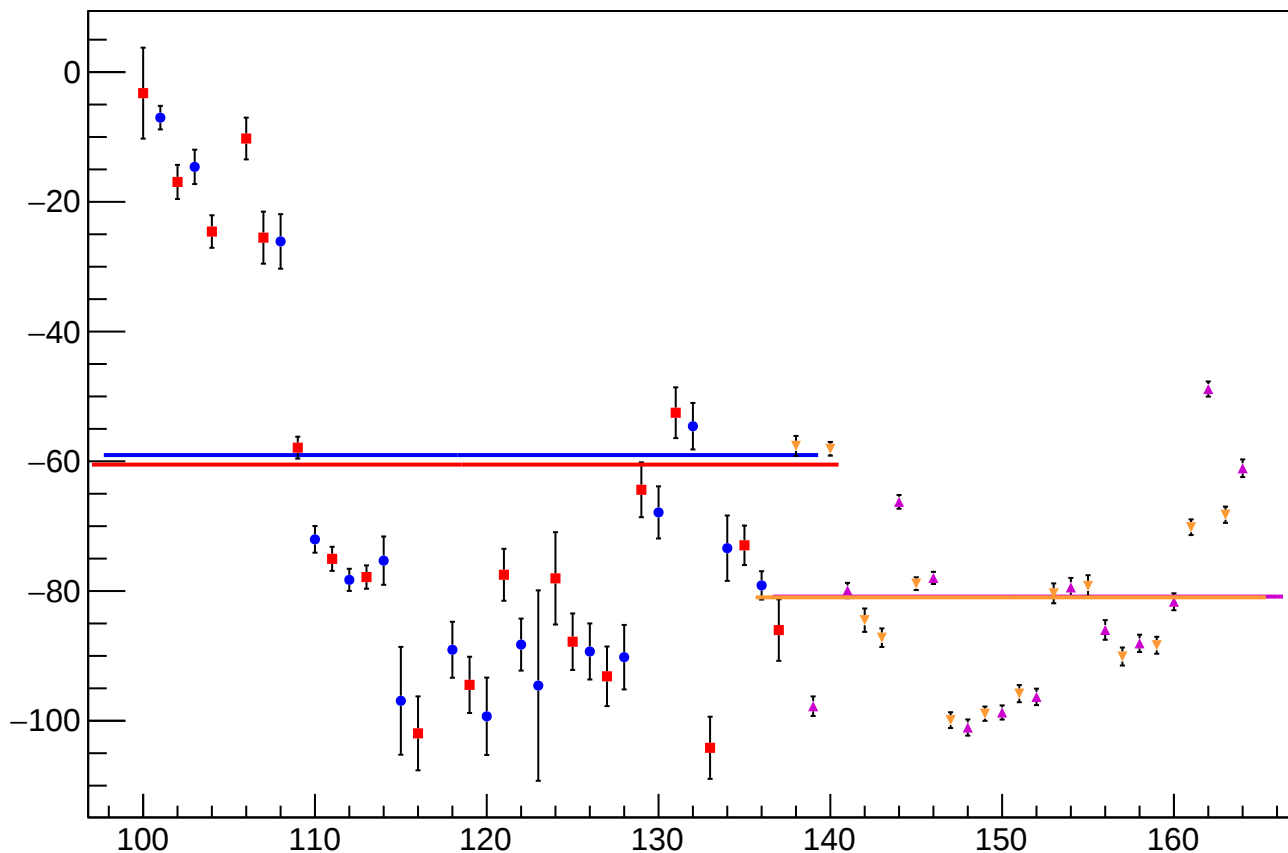
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16
 Left Out: -8.544 ± 0.240 χ^2/NDF : 1370.7/13
 Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18
 Left In: -8.654 ± 0.242 χ^2/NDF : 1246.1/12

Left: -8.598 ± 0.171 χ^2/NDF : 2616.9/26
 Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35
 In: -8.421 ± 0.211 χ^2/NDF : 2225.9/29
 Out: -7.924 ± 0.210 χ^2/NDF : 2696.5/32
 All: -8.171 ± 0.149 χ^2/NDF : 4925.2/62

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -80.971 ± 0.344 χ^2/NDF : 1621.6/13

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

Left In: -80.857 ± 0.341 χ^2/NDF : 2009.9/12

Left: -80.913 ± 0.242 χ^2/NDF : 3631.6/26

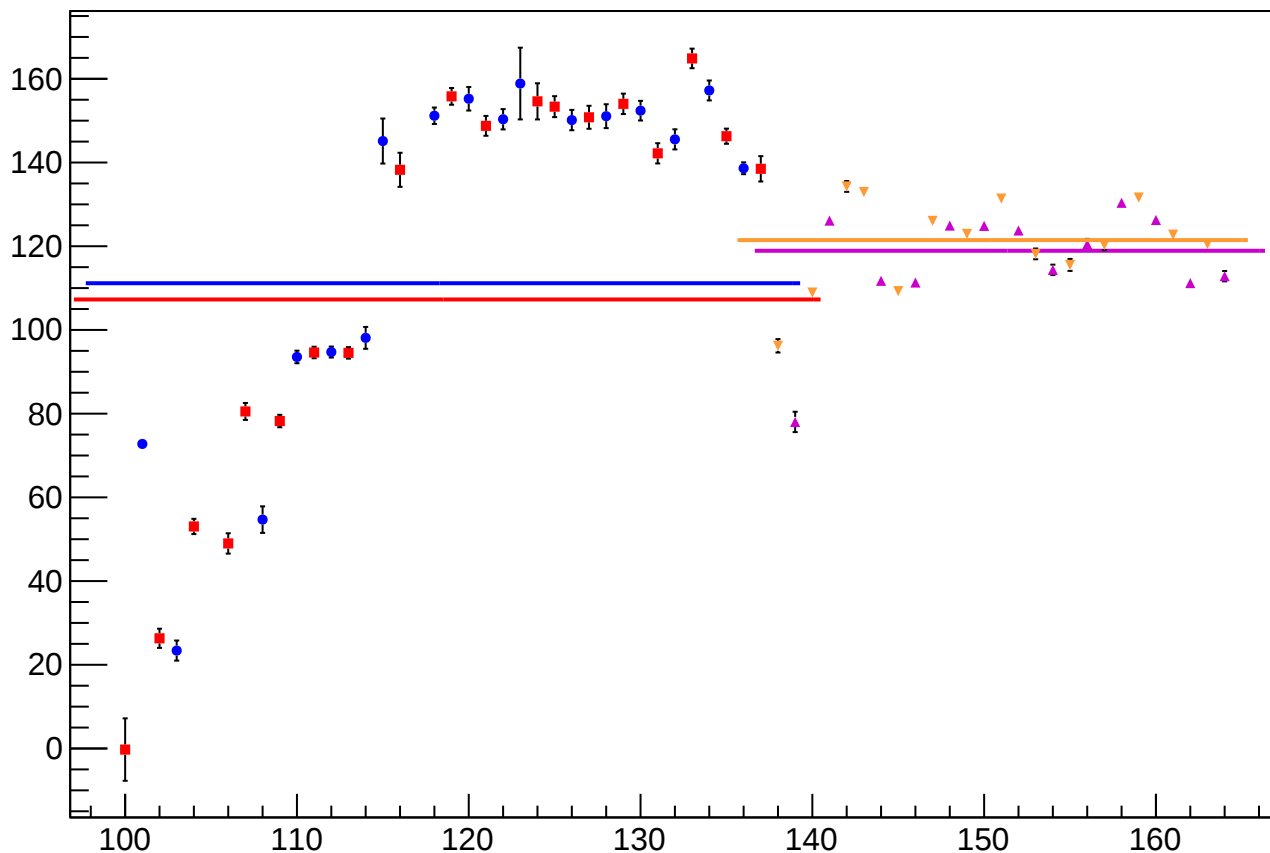
Right: -59.815 ± 0.512 χ^2/NDF : 3096.4/35

In: -77.087 ± 0.310 χ^2/NDF : 4427.6/29

Out: -77.027 ± 0.309 χ^2/NDF : 3687.7/32

All: -77.057 ± 0.219 χ^2/NDF : 8115.4/62

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: 121.467 $\pm$ 0.284 χ^2 /NDF:1061.2/13

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

Left In: 118.917 $\pm$ 0.285 χ^2 /NDF:886.2/12

Left: 120.195 $\pm$ 0.201 χ^2 /NDF: 1987.5/26

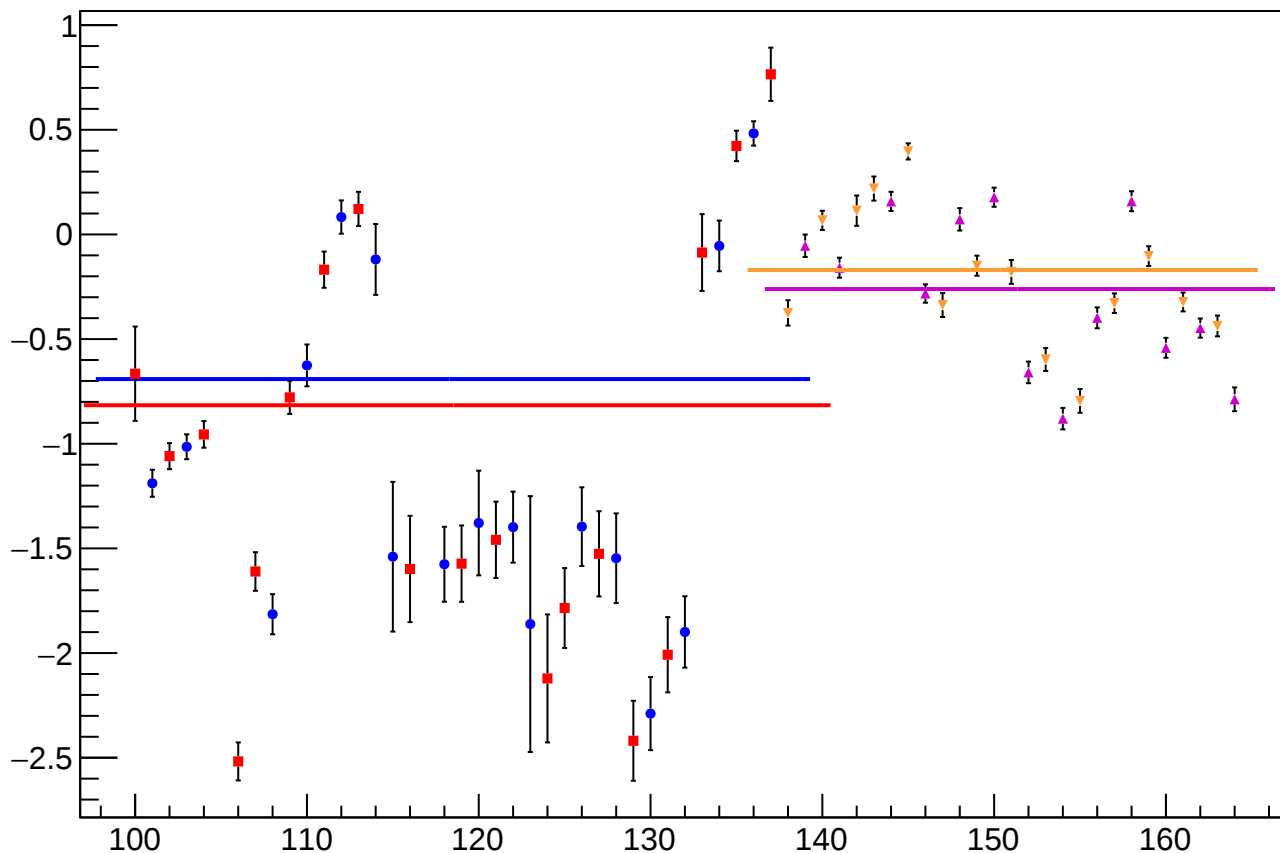
Right: 109.217 $\pm$ 0.345 χ^2 /NDF: 12964.2/35

In: 116.952 $\pm$ 0.246 χ^2 /NDF:6951.7/29

Out: 117.873 $\pm$ 0.245 χ^2 /NDF:8747.8/32

All: 117.414 $\pm$ 0.174 χ^2 /NDF: 15706.5/62

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: -0.170 ± 0.014 χ^2/NDF : 559.9/13

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

Left In: -0.261 ± 0.014 χ^2/NDF : 661.7/12

Left: -0.215 ± 0.010 χ^2/NDF : 1244.1/26

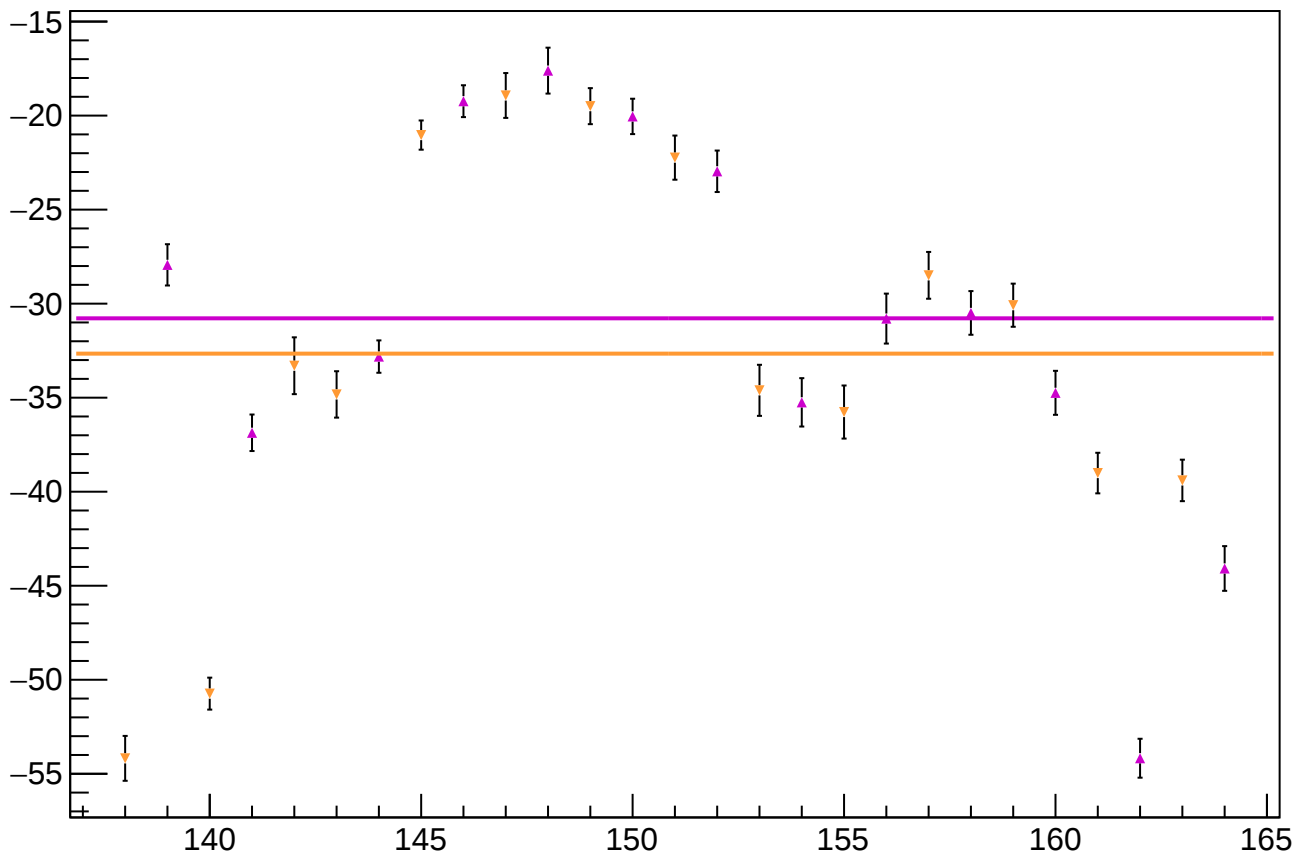
Right: -0.757 ± 0.018 χ^2/NDF : 2307.7/35

In: -0.354 ± 0.012 χ^2/NDF : 1870.0/29

Out: -0.323 ± 0.012 χ^2/NDF : 2400.8/32

All: -0.338 ± 0.008 χ^2/NDF : 4274.2/62

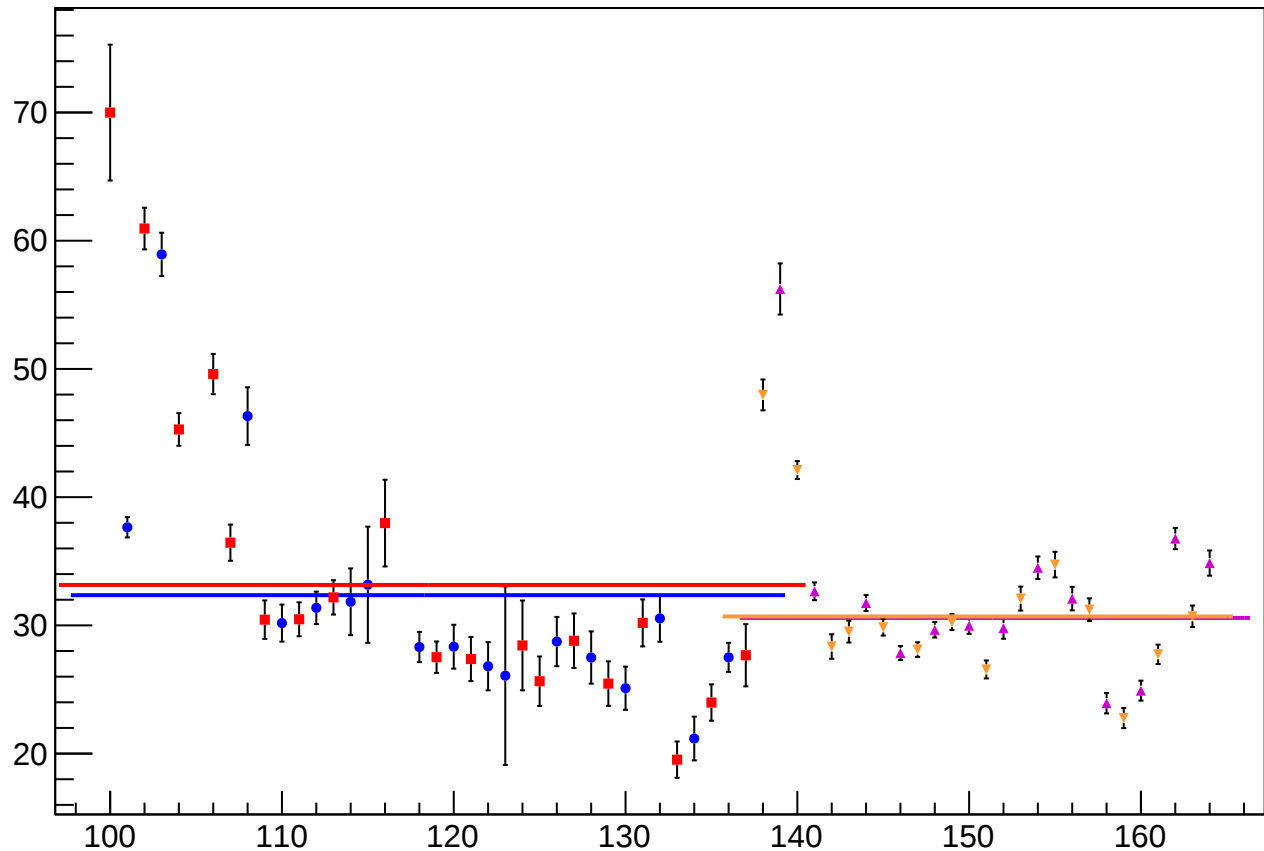
reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.658+/-0.295 χ^2/NDF :1499.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -30.781+/-0.294 χ^2/NDF :1194.2/12

Left: -31.717+/-0.208 χ^2/NDF : 2714.5/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -30.781+/-0.294 χ^2/NDF :1194.2/12
 Out: -32.658+/-0.295 χ^2/NDF :1499.9/13
 All: -31.717+/-0.208 χ^2/NDF : 2714.5/26

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: 30.696 ± 0.206 $\chi^2/\text{NDF}: 675.0/13$

Right Out: 33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

Left In: 30.581 ± 0.208 $\chi^2/\text{NDF}: 427.5/12$

Left: 30.639 ± 0.146 $\chi^2/\text{NDF}: 1102.6/26$

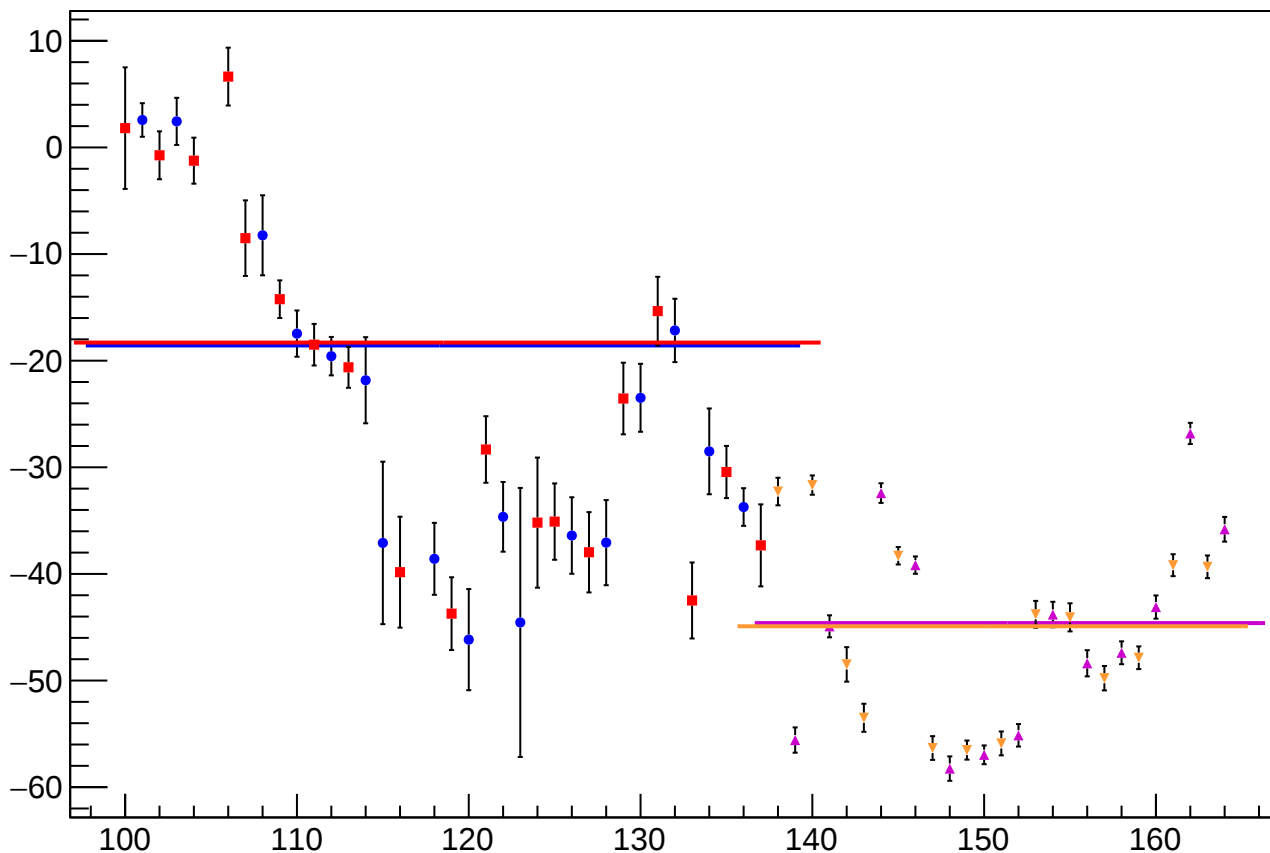
Right: 32.750 ± 0.267 $\chi^2/\text{NDF}: 1224.7/35$

In: 30.996 ± 0.182 $\chi^2/\text{NDF}: 895.1/29$

Out: 31.257 ± 0.181 $\chi^2/\text{NDF}: 1479.4/32$

All: 31.127 ± 0.128 $\chi^2/\text{NDF}: 2375.5/62$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572 ± 0.667 $\chi^2/\text{NDF}: 511.5/16$

Left Out: -44.910 ± 0.291 $\chi^2/\text{NDF}: 876.4/13$

Right Out: -18.300 ± 0.644 $\chi^2/\text{NDF}: 473.4/18$

Left In: -44.612 ± 0.287 $\chi^2/\text{NDF}: 1138.6/12$

Left: -44.759 ± 0.205 $\chi^2/\text{NDF}: 2015.6/26$

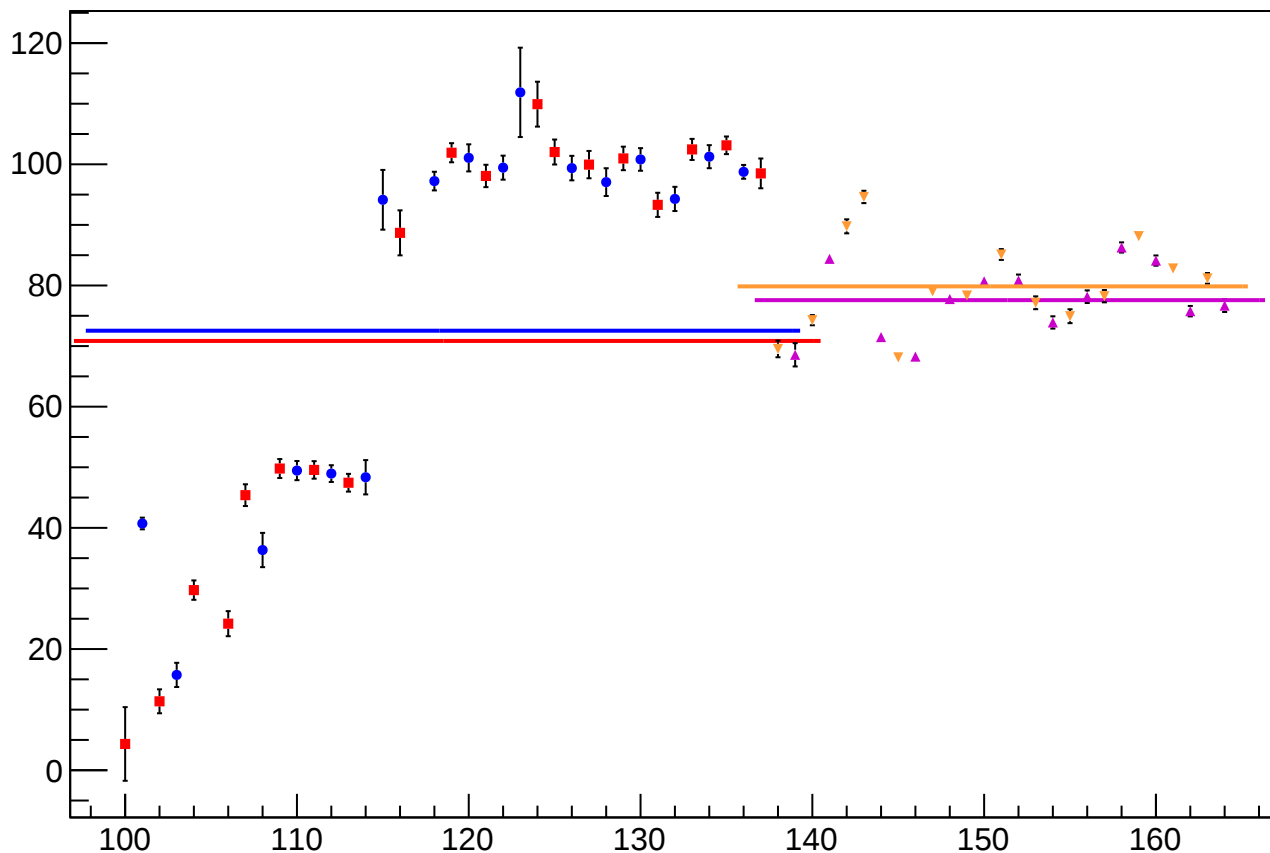
Right: -18.431 ± 0.463 $\chi^2/\text{NDF}: 984.9/35$

In: -40.541 ± 0.264 $\chi^2/\text{NDF}: 2934.2/29$

Out: -40.390 ± 0.265 $\chi^2/\text{NDF}: 2767.8/32$

All: -40.466 ± 0.187 $\chi^2/\text{NDF}: 5702.1/62$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537 ± 0.428 $\chi^2/\text{NDF}: 4684.1/16$

Left Out: 79.851 ± 0.242 $\chi^2/\text{NDF}: 817.0/13$

Right Out: 70.849 ± 0.433 $\chi^2/\text{NDF}: 5500.2/18$

Left In: 77.582 ± 0.242 $\chi^2/\text{NDF}: 562.9/12$

Left: 78.717 ± 0.171 $\chi^2/\text{NDF}: 1423.9/26$

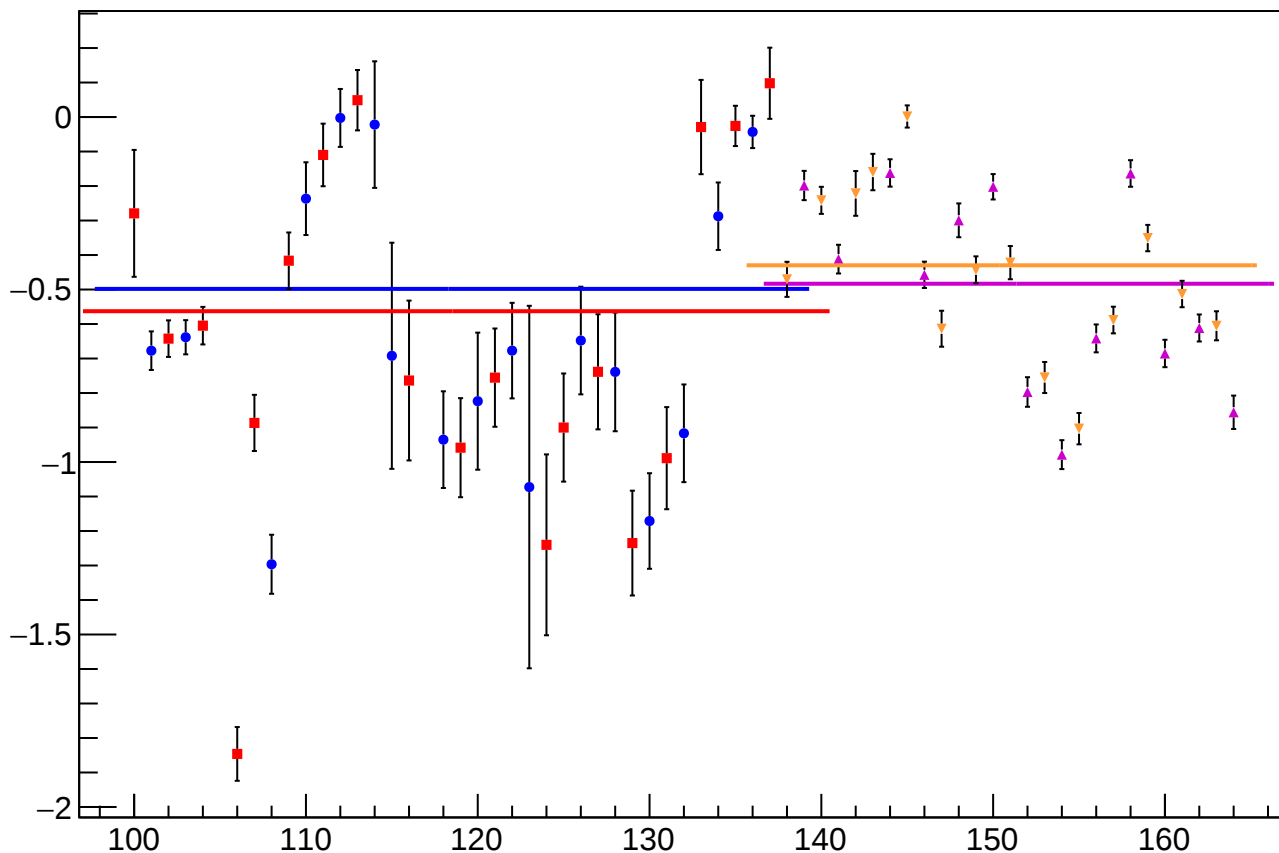
Right: 71.702 ± 0.305 $\chi^2/\text{NDF}: 10192.0/35$

In: 76.360 ± 0.211 $\chi^2/\text{NDF}: 5352.2/29$

Out: 77.709 ± 0.211 $\chi^2/\text{NDF}: 6646.3/32$

All: 77.033 ± 0.149 $\chi^2/\text{NDF}: 12018.9/62$

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: -0.430 ± 0.011 χ^2/NDF : 456.4/13

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.483 ± 0.011 χ^2/NDF : 559.8/12

Left: -0.457 ± 0.008 χ^2/NDF : 1027.2/26

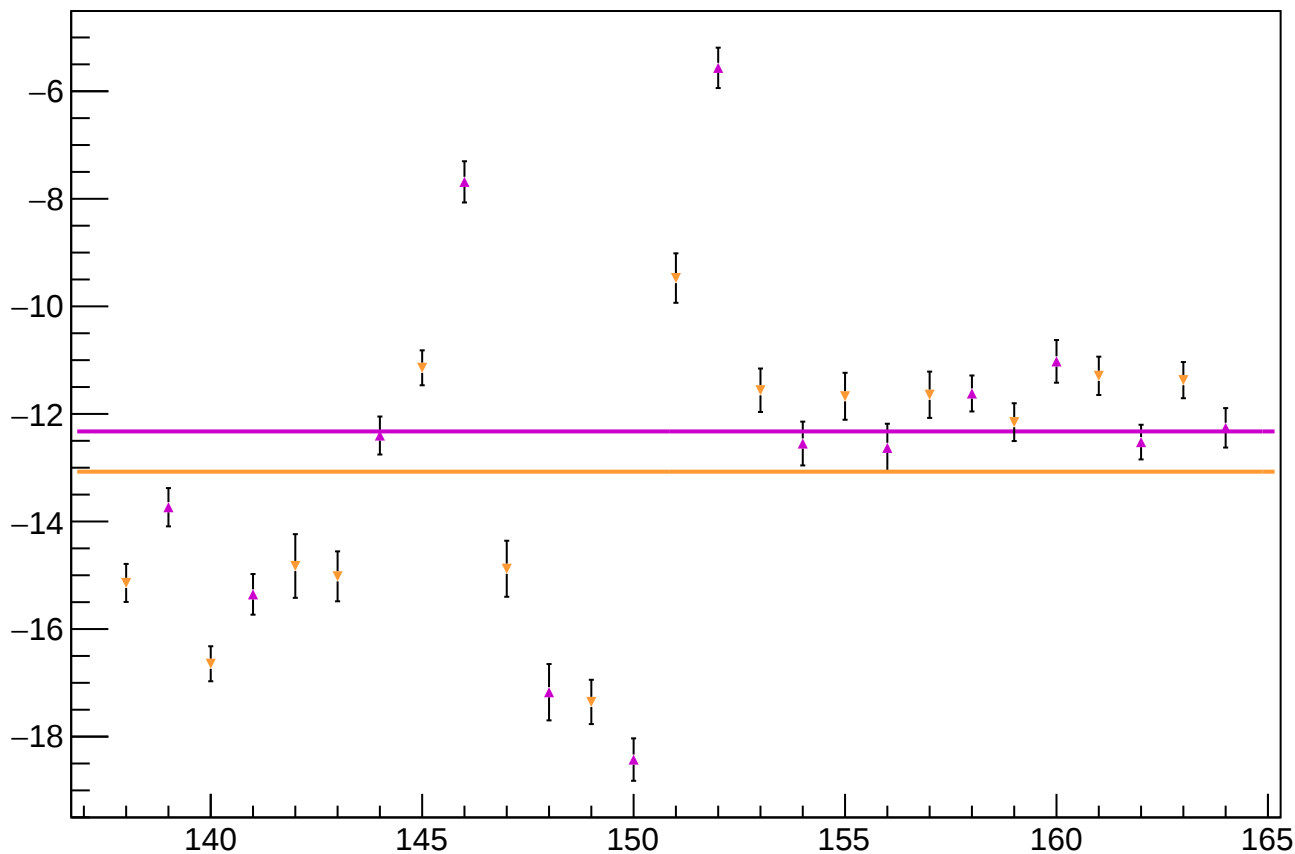
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.486 ± 0.010 χ^2/NDF : 863.0/29

Out: -0.459 ± 0.010 χ^2/NDF : 1047.2/32

All: -0.473 ± 0.007 χ^2/NDF : 1913.7/62

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



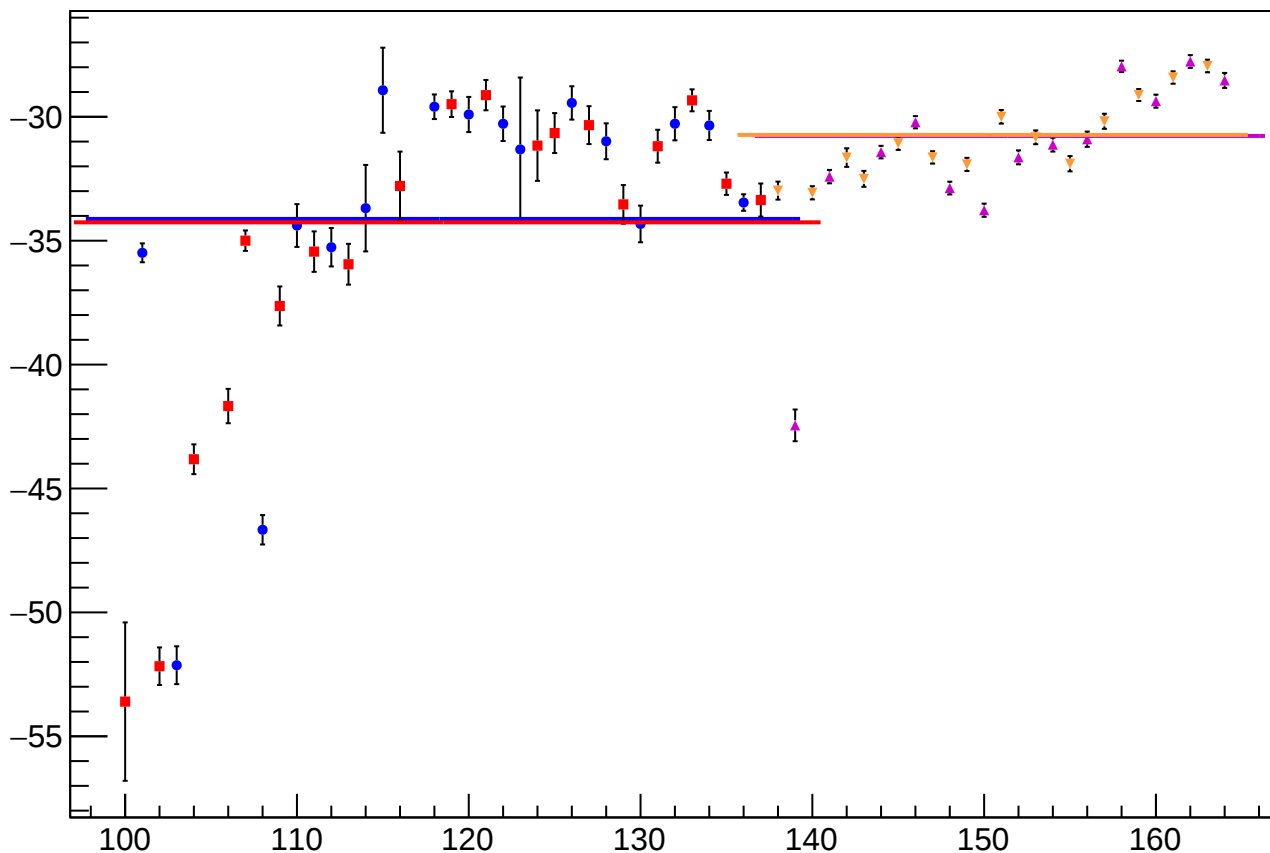
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -13.074+/-0.105 χ^2/NDF :490.6/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -12.325+/-0.105 χ^2/NDF :892.1/12

Left: -12.700+/-0.074 χ^2/NDF : 1407.9/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.325+/-0.105 χ^2/NDF :892.1/12
 Out: -13.074+/-0.105 χ^2/NDF :490.6/13

All: -12.700+/-0.074 χ^2/NDF : 1407.9/26

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -30.732 ± 0.075 $\chi^2/\text{NDF}: 458.7/13$

Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

Left In: -30.773 ± 0.076 $\chi^2/\text{NDF}: 951.4/12$

Left: -30.752 ± 0.053 $\chi^2/\text{NDF}: 1410.3/26$

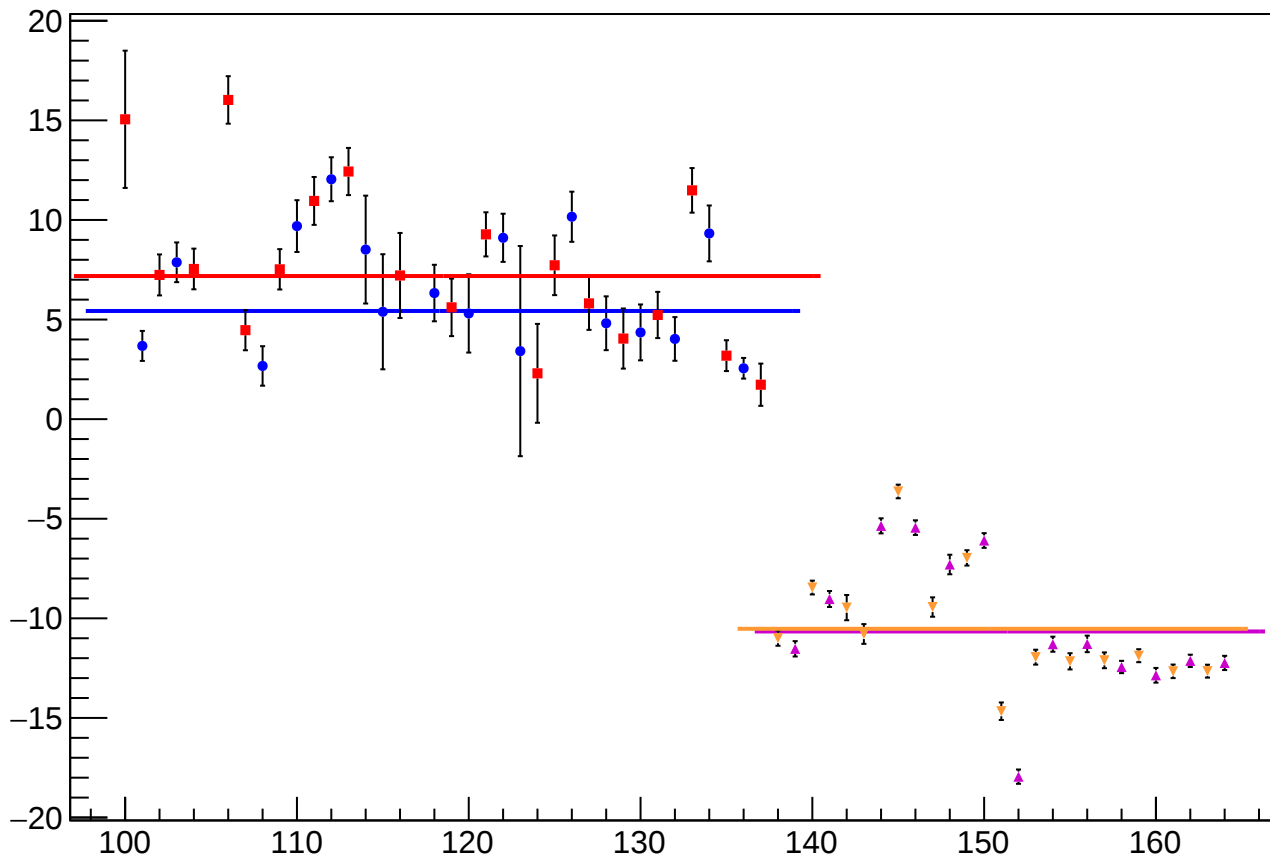
Right: -34.191 ± 0.107 $\chi^2/\text{NDF}: 2677.8/35$

In: -31.447 ± 0.068 $\chi^2/\text{NDF}: 2662.6/29$

Out: -31.430 ± 0.067 $\chi^2/\text{NDF}: 2252.5/32$

All: -31.438 ± 0.048 $\chi^2/\text{NDF}: 4915.1/62$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -10.525 ± 0.103 $\chi^2/\text{NDF}: 769.0/13$

Right Out: 7.185 ± 0.274 $\chi^2/\text{NDF}: 182.1/18$

Left In: -10.659 ± 0.102 $\chi^2/\text{NDF}: 1146.7/12$

Left: -10.593 ± 0.073 $\chi^2/\text{NDF}: 1916.6/26$

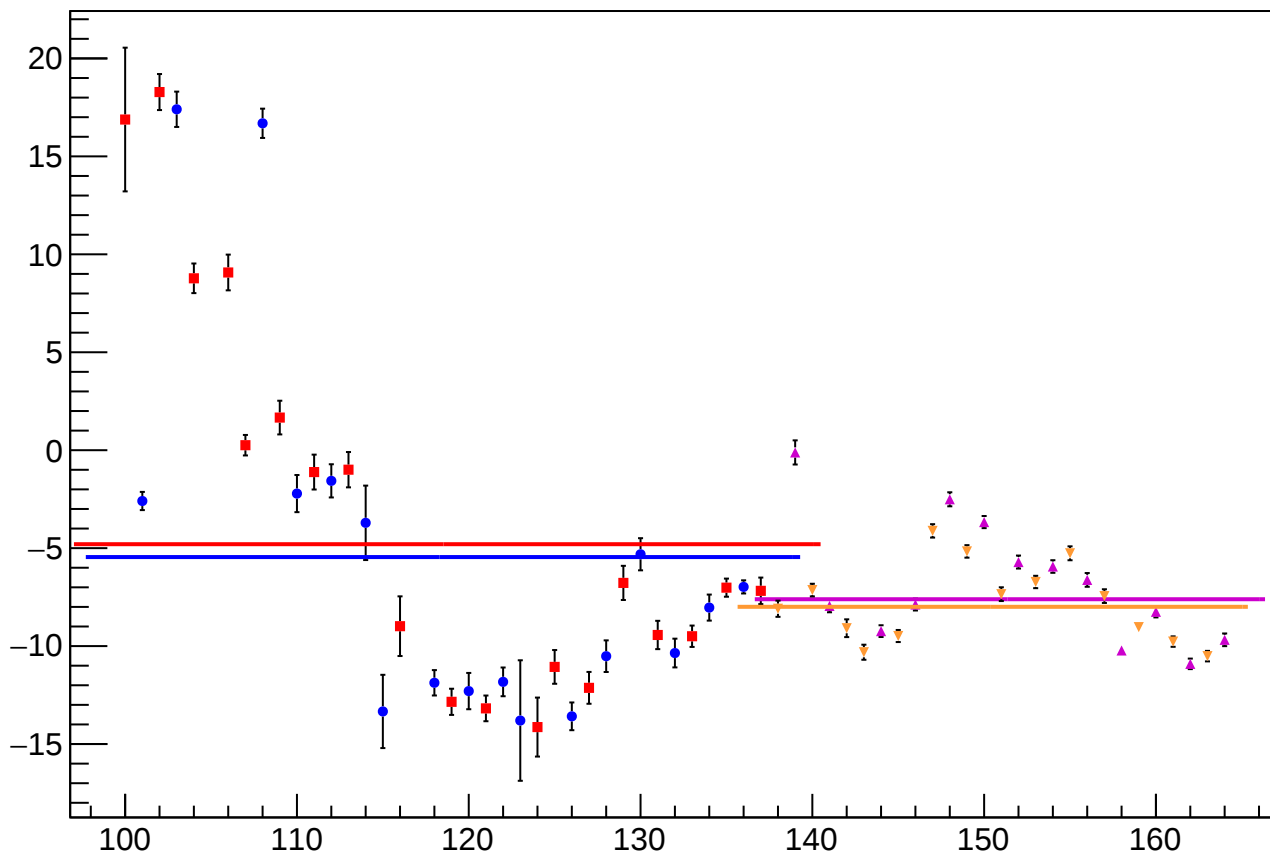
Right: 6.295 ± 0.193 $\chi^2/\text{NDF}: 334.8/35$

In: -8.641 ± 0.096 $\chi^2/\text{NDF}: 4375.7/29$

Out: -8.320 ± 0.097 $\chi^2/\text{NDF}: 4596.7/32$

All: -8.482 ± 0.068 $\chi^2/\text{NDF}: 8978.0/62$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 $\chi^2/\text{NDF}: 2096.5/16$

Left Out: -7.995 ± 0.087 $\chi^2/\text{NDF}: 509.0/13$

Right Out: -4.798 ± 0.173 $\chi^2/\text{NDF}: 2047.4/18$

Left In: -7.608 ± 0.087 $\chi^2/\text{NDF}: 925.0/12$

Left: -7.803 ± 0.061 $\chi^2/\text{NDF}: 1443.9/26$

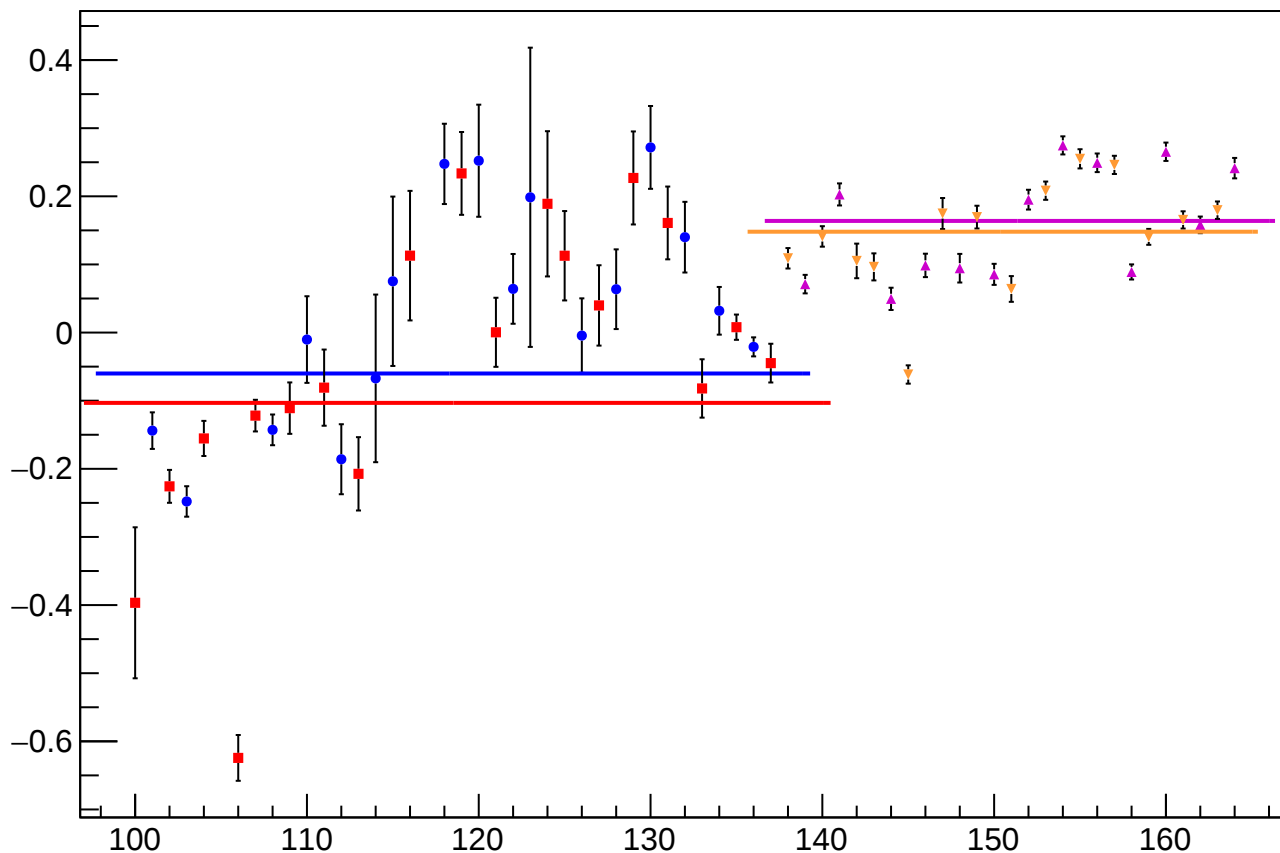
Right: -5.131 ± 0.122 $\chi^2/\text{NDF}: 4151.2/35$

In: -7.163 ± 0.078 $\chi^2/\text{NDF}: 3147.5/29$

Out: -7.355 ± 0.077 $\chi^2/\text{NDF}: 2829.7/32$

All: -7.259 ± 0.055 $\chi^2/\text{NDF}: 5980.3/62$

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: 0.148 ± 0.004 χ^2/NDF : 422.5/13

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

Left In: 0.164 ± 0.004 χ^2/NDF : 395.3/12

Left: 0.156 ± 0.003 χ^2/NDF : 825.6/26

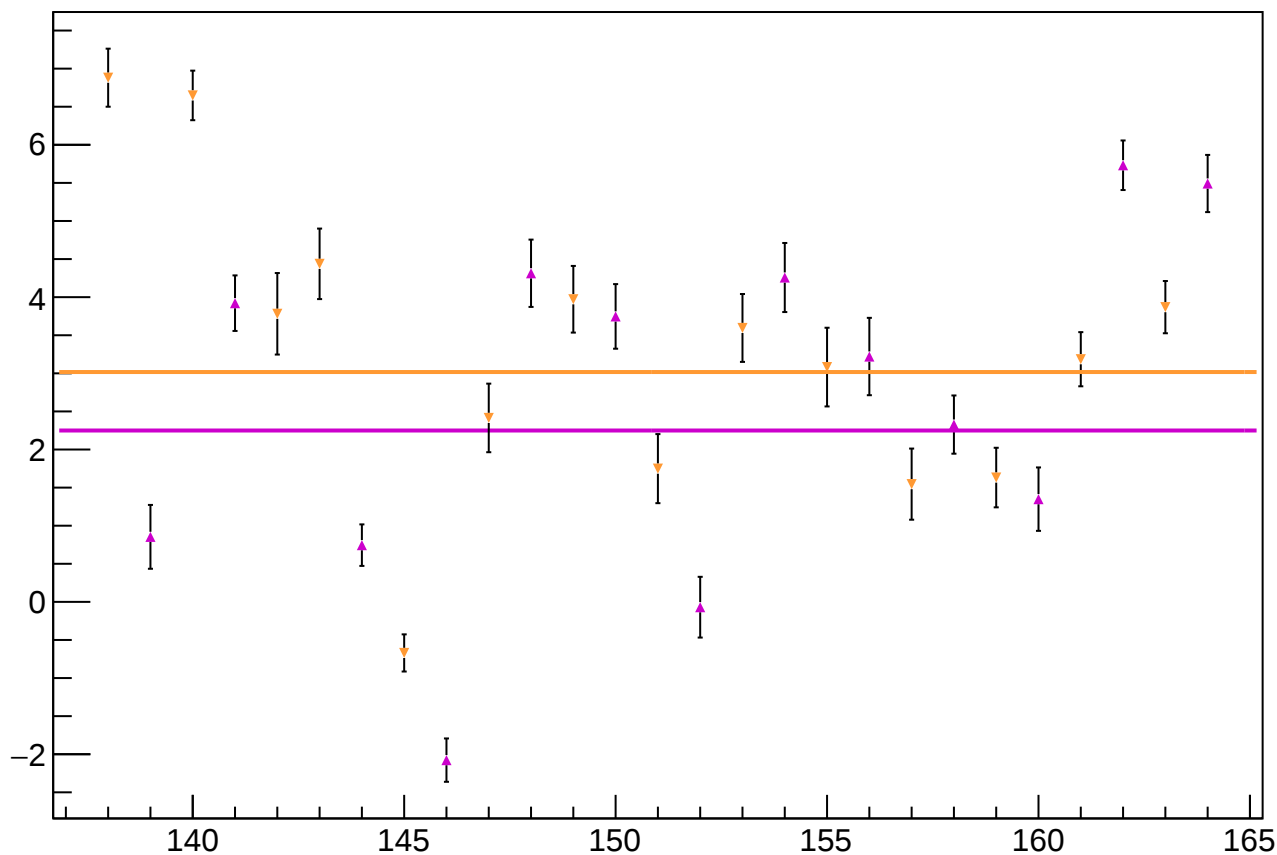
Right: -0.082 ± 0.006 χ^2/NDF : 662.9/35

In: 0.123 ± 0.004 χ^2/NDF : 1191.2/29

Out: 0.102 ± 0.004 χ^2/NDF : 1581.1/32

All: 0.113 ± 0.003 χ^2/NDF : 2789.2/62

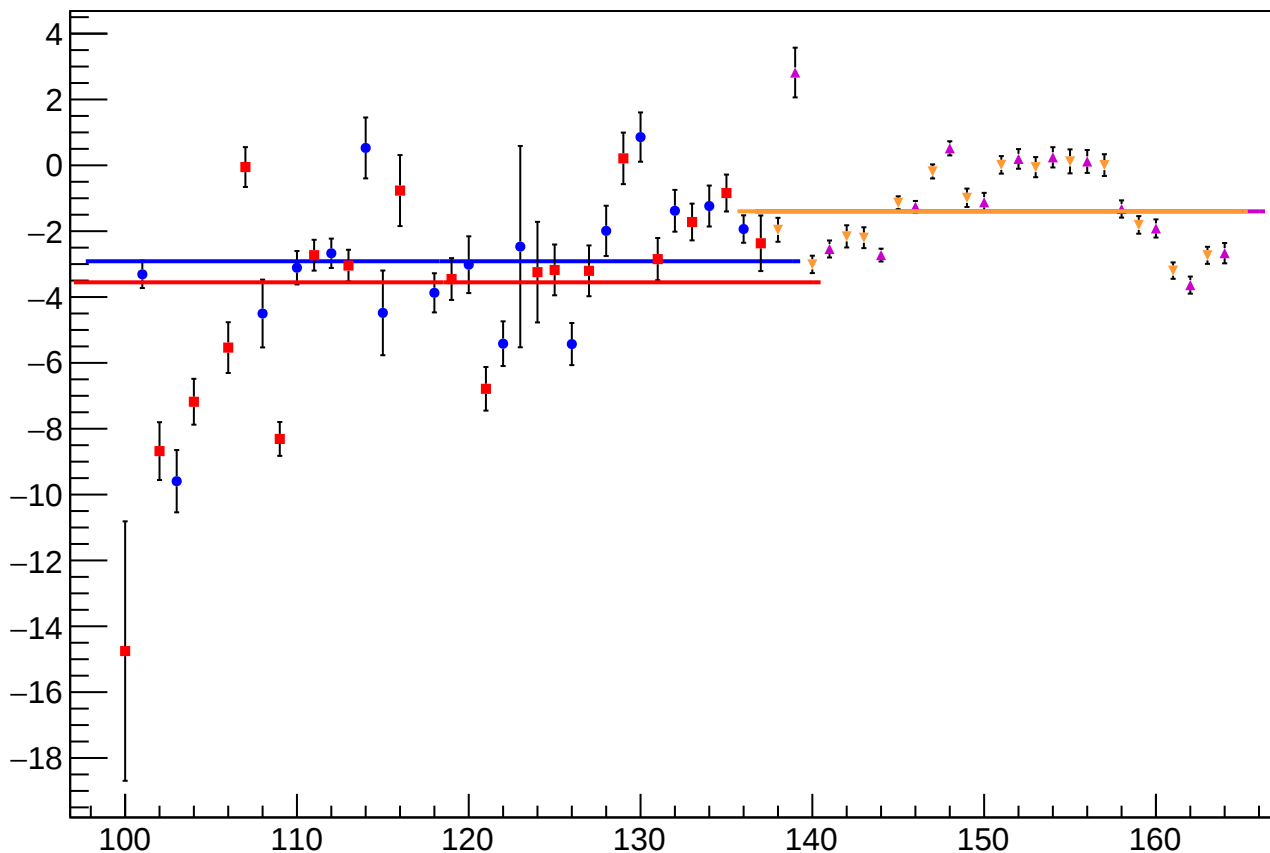
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.017 $\pm$ 0.104 χ^2 /NDF:512.5/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.250 $\pm$ 0.103 χ^2 /NDF:579.2/12

Left: 2.631 $\pm$ 0.073 χ^2 /NDF: 1119.2/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.250 $\pm$ 0.103 χ^2 /NDF:579.2/12
 Out: 3.017 $\pm$ 0.104 χ^2 /NDF:512.5/13
 All: 2.631 $\pm$ 0.073 χ^2 /NDF: 1119.2/26

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: -1.395 ± 0.073 χ^2/NDF : 251.2/13

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

Left In: -1.398 ± 0.072 χ^2/NDF : 348.9/12

Left: -1.397 ± 0.051 χ^2/NDF : 600.1/26

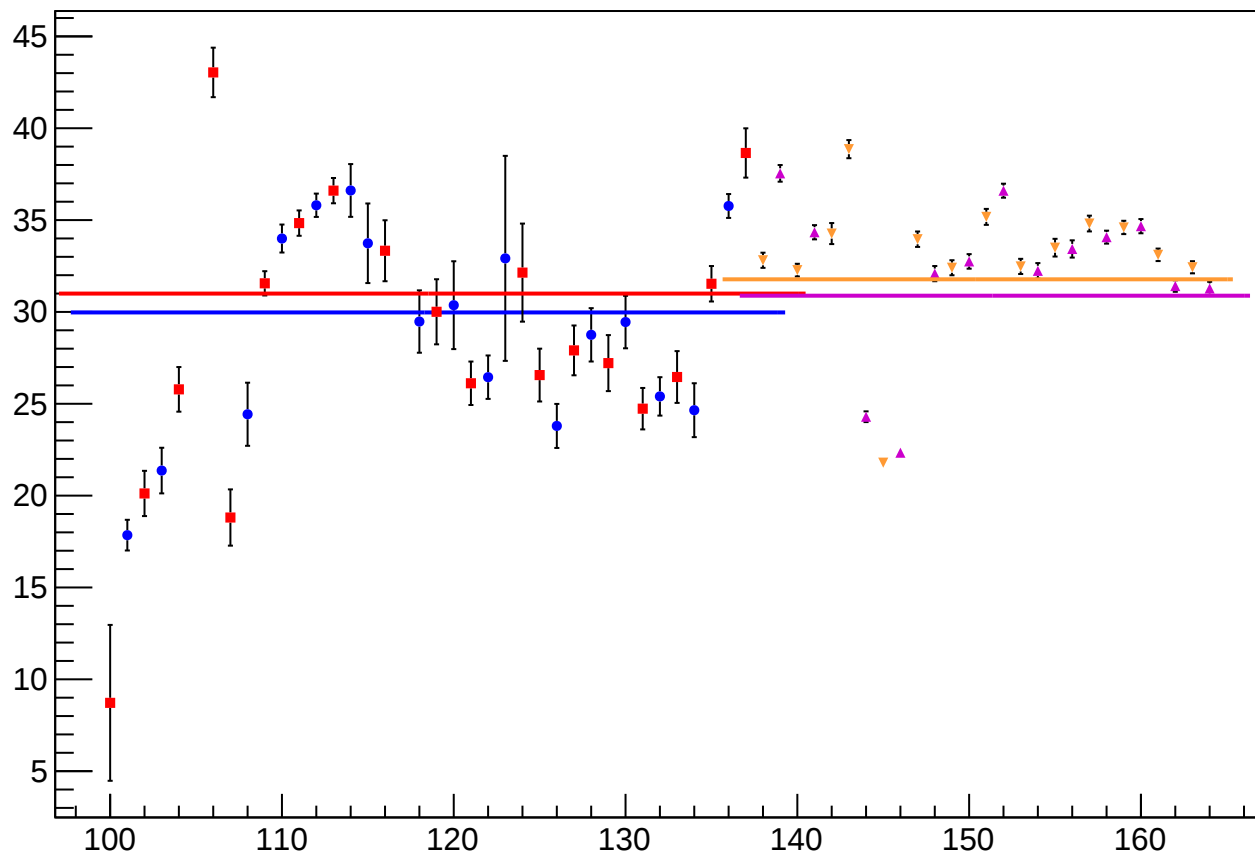
Right: -3.234 ± 0.109 χ^2/NDF : 445.5/35

In: -1.668 ± 0.065 χ^2/NDF : 573.7/29

Out: -1.788 ± 0.066 χ^2/NDF : 701.4/32

All: -1.727 ± 0.046 χ^2/NDF : 1276.8/62

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 31.775 $\pm$ 0.103 χ^2 /NDF: 1946.6/13

Right Out: 30.999 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 30.884 $\pm$ 0.101 χ^2 /NDF: 2259.2/12

Left: 31.320 $\pm$ 0.072 χ^2 /NDF: 4244.0/26

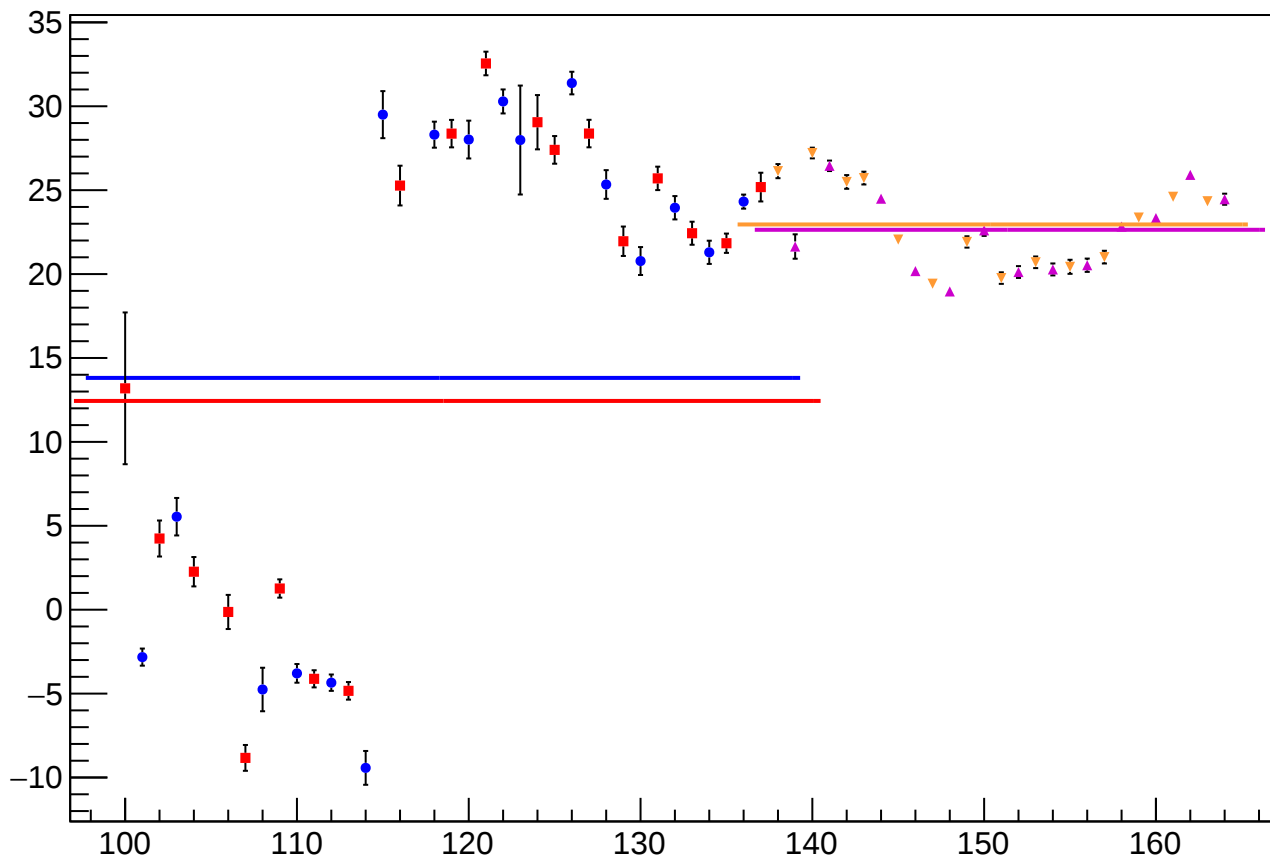
Right: 30.500 $\pm$ 0.186 χ^2 /NDF: 1041.4/35

In: 30.770 $\pm$ 0.094 χ^2 /NDF: 2823.7/29

Out: 31.670 $\pm$ 0.096 χ^2 /NDF: 2433.8/32

All: 31.213 $\pm$ 0.067 χ^2 /NDF: 5302.2/62

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: 22.957 $\pm$ 0.085 χ^2 /NDF: 751.1/13

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

Left In: 22.639 $\pm$ 0.084 χ^2 /NDF: 796.5/12

Left: 22.796 $\pm$ 0.060 χ^2 /NDF: 1554.7/26

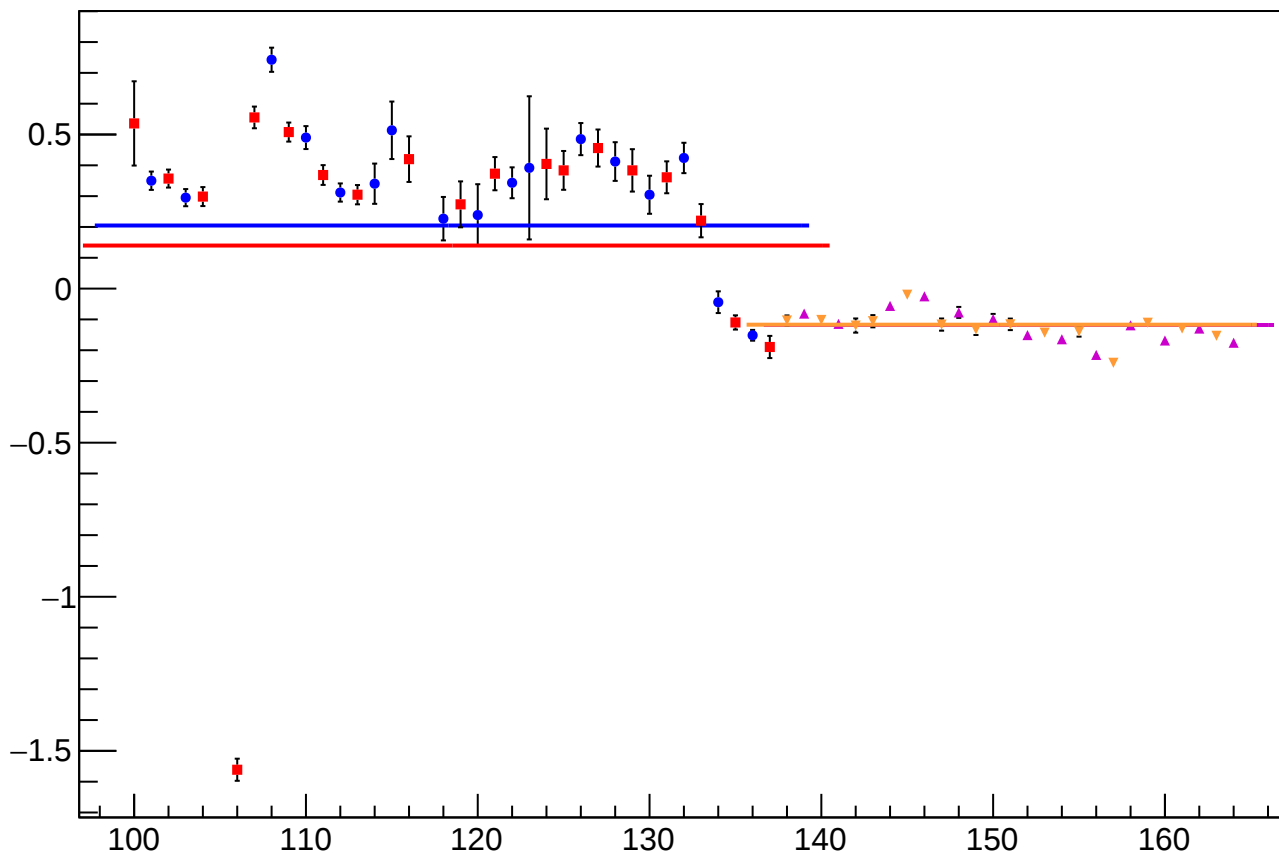
Right: 13.131 $\pm$ 0.122 χ^2 /NDF: 14320.3/35

In: 20.944 $\pm$ 0.076 χ^2 /NDF: 10225.9/29

Out: 20.915 $\pm$ 0.077 χ^2 /NDF: 10674.3/32

All: 20.930 $\pm$ 0.054 χ^2 /NDF: 20900.3/62

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: -0.117 ± 0.004 χ^2/NDF : 180.6/13

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

Left In: -0.118 ± 0.004 χ^2/NDF : 171.4/12

Left: -0.118 ± 0.003 χ^2/NDF : 352.0/26

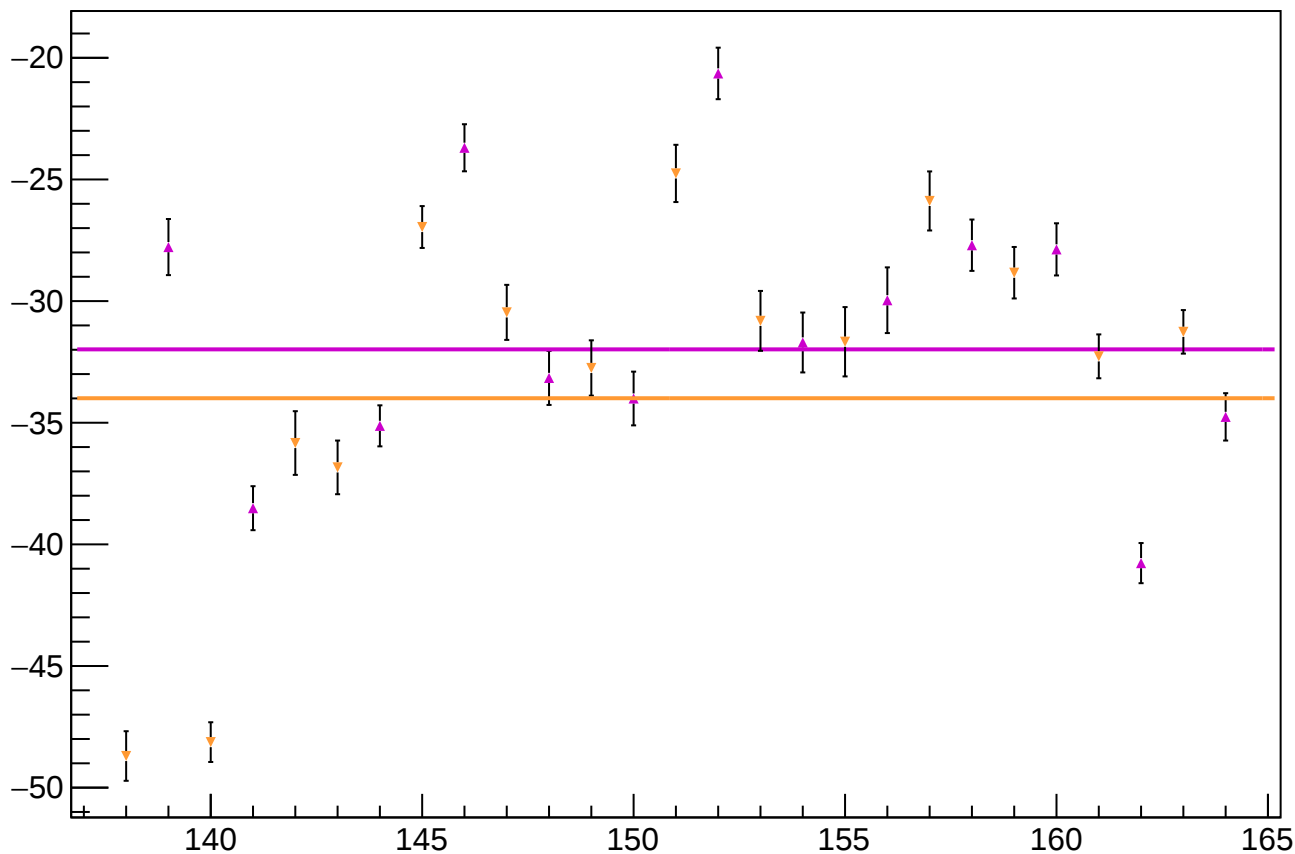
Right: 0.172 ± 0.007 χ^2/NDF : 3884.5/35

In: -0.068 ± 0.004 χ^2/NDF : 2020.2/29

Out: -0.076 ± 0.004 χ^2/NDF : 3847.6/32

All: -0.072 ± 0.003 χ^2/NDF : 5870.0/62

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: -33.993+/-0.281 χ^2/NDF : 746.7/13

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

Left In: -31.984+/-0.283 χ^2/NDF : 426.9/12

Left: -32.997+/-0.199 χ^2/NDF : 1198.9/26

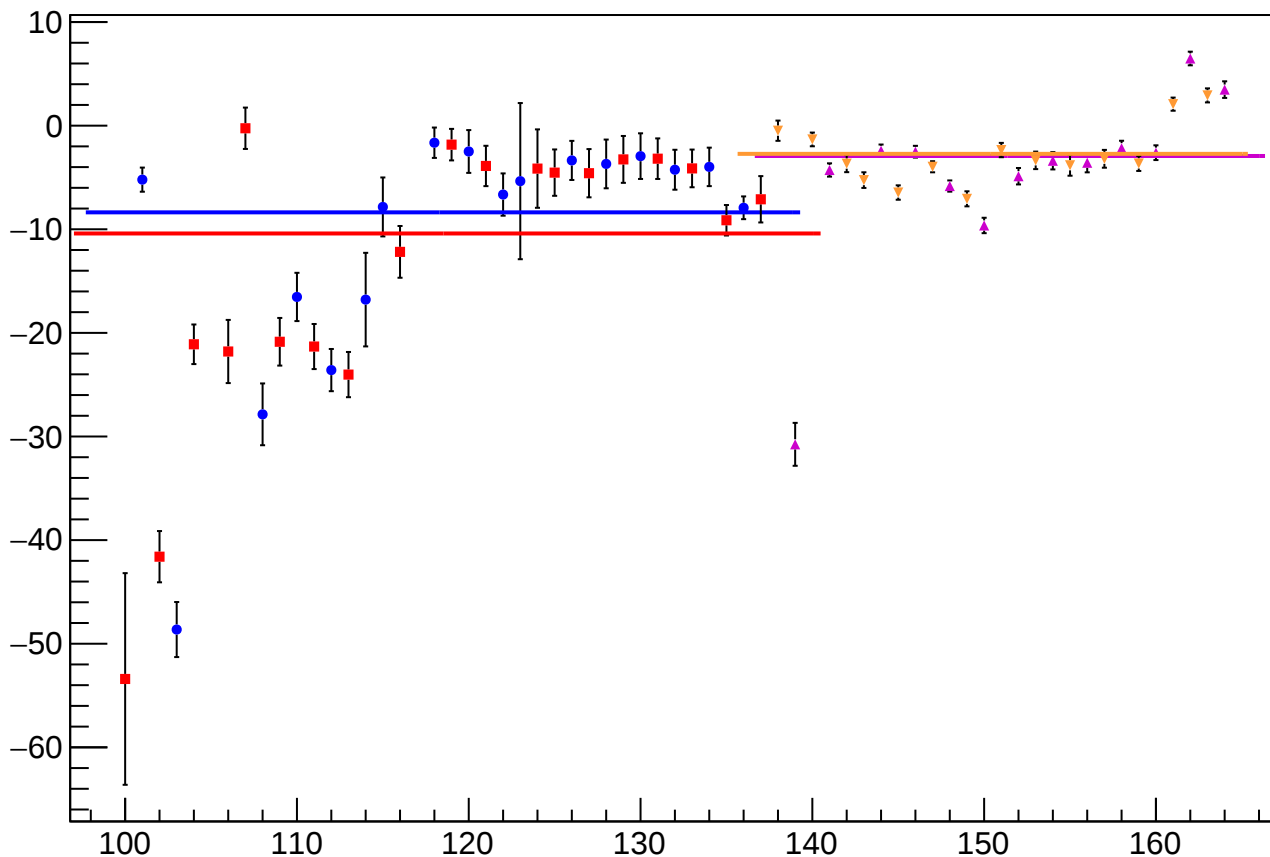
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.984+/-0.283 χ^2/NDF : 426.9/12

Out: -33.993+/-0.281 χ^2/NDF : 746.7/13

All: -32.997+/-0.199 χ^2/NDF : 1198.9/26

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -2.721 ± 0.195 $\chi^2/\text{NDF}: 222.6/13$

Right Out: -10.405 ± 0.491 $\chi^2/\text{NDF}: 430.3/18$

Left In: -2.927 ± 0.197 $\chi^2/\text{NDF}: 572.3/12$

Left: -2.823 ± 0.139 $\chi^2/\text{NDF}: 795.4/26$

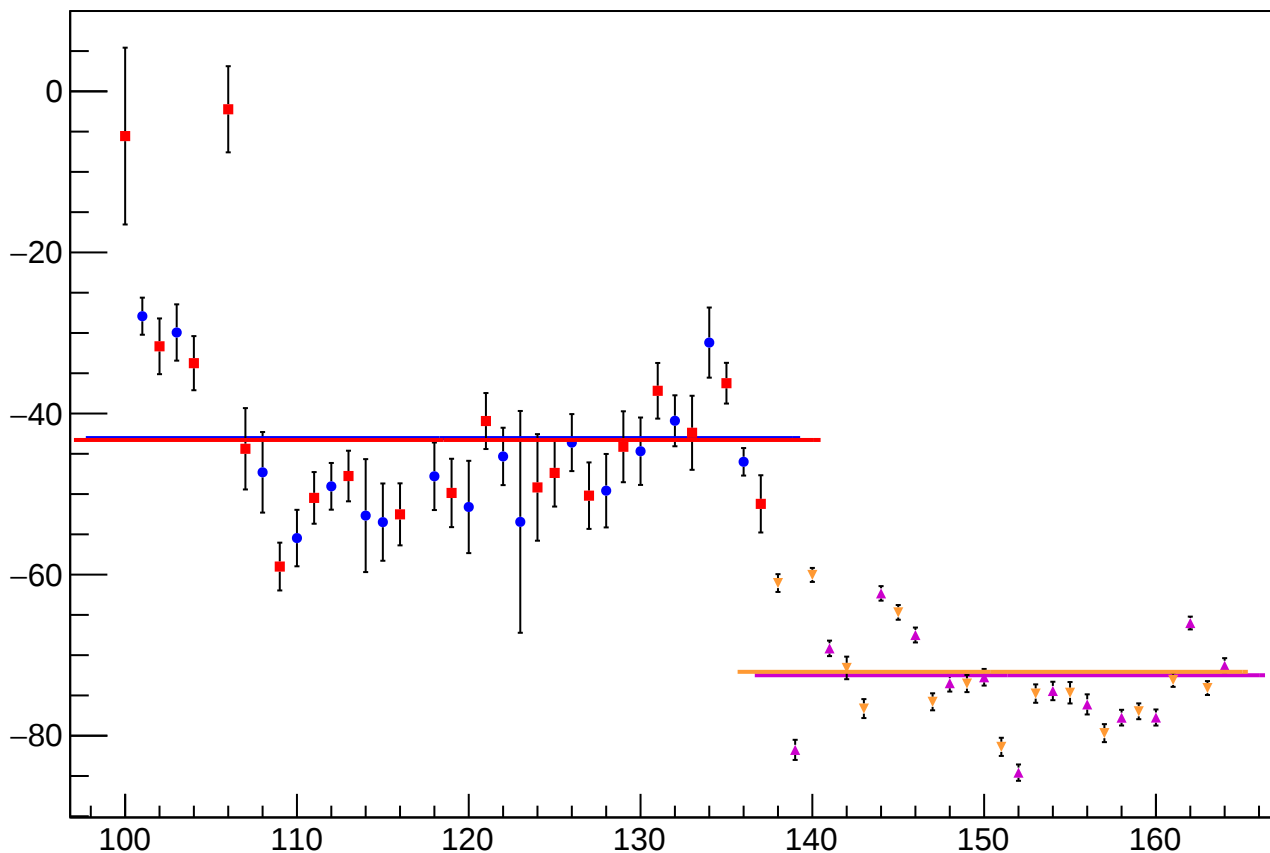
Right: -9.333 ± 0.338 $\chi^2/\text{NDF}: 848.2/35$

In: -3.753 ± 0.182 $\chi^2/\text{NDF}: 1096.7/29$

Out: -3.764 ± 0.181 $\chi^2/\text{NDF}: 864.5/32$

All: -3.759 ± 0.128 $\chi^2/\text{NDF}: 1961.2/62$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047 ± 0.837 χ^2/NDF : 99.0/16

Left Out: -72.068 ± 0.277 χ^2/NDF : 541.4/13

Right Out: -43.282 ± 0.867 χ^2/NDF : 154.4/18

Left In: -72.493 ± 0.276 χ^2/NDF : 502.6/12

Left: -72.281 ± 0.196 χ^2/NDF : 1045.2/26

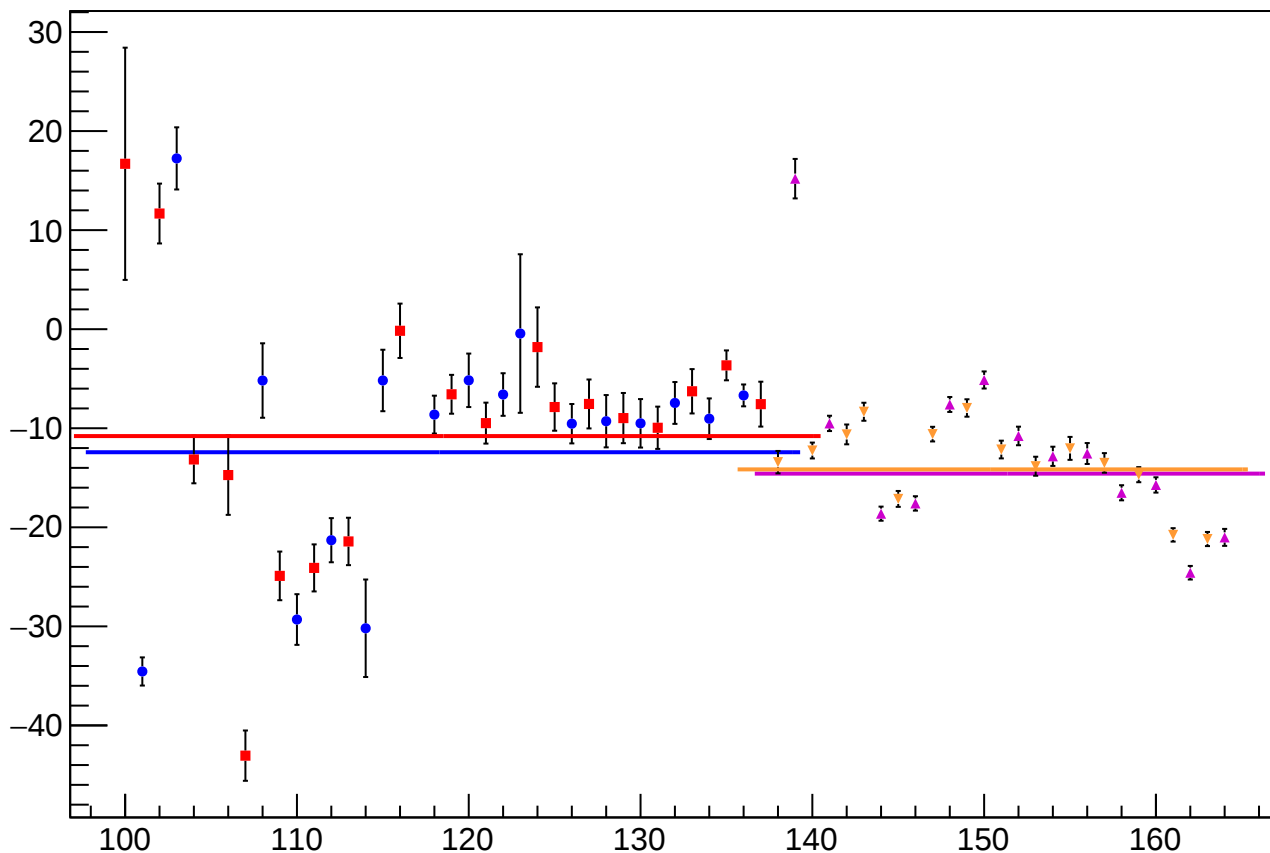
Right: -43.161 ± 0.602 χ^2/NDF : 253.4/35

In: -69.603 ± 0.262 χ^2/NDF : 1717.0/29

Out: -69.395 ± 0.264 χ^2/NDF : 1695.4/32

All: -69.500 ± 0.186 χ^2/NDF : 3412.8/62

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



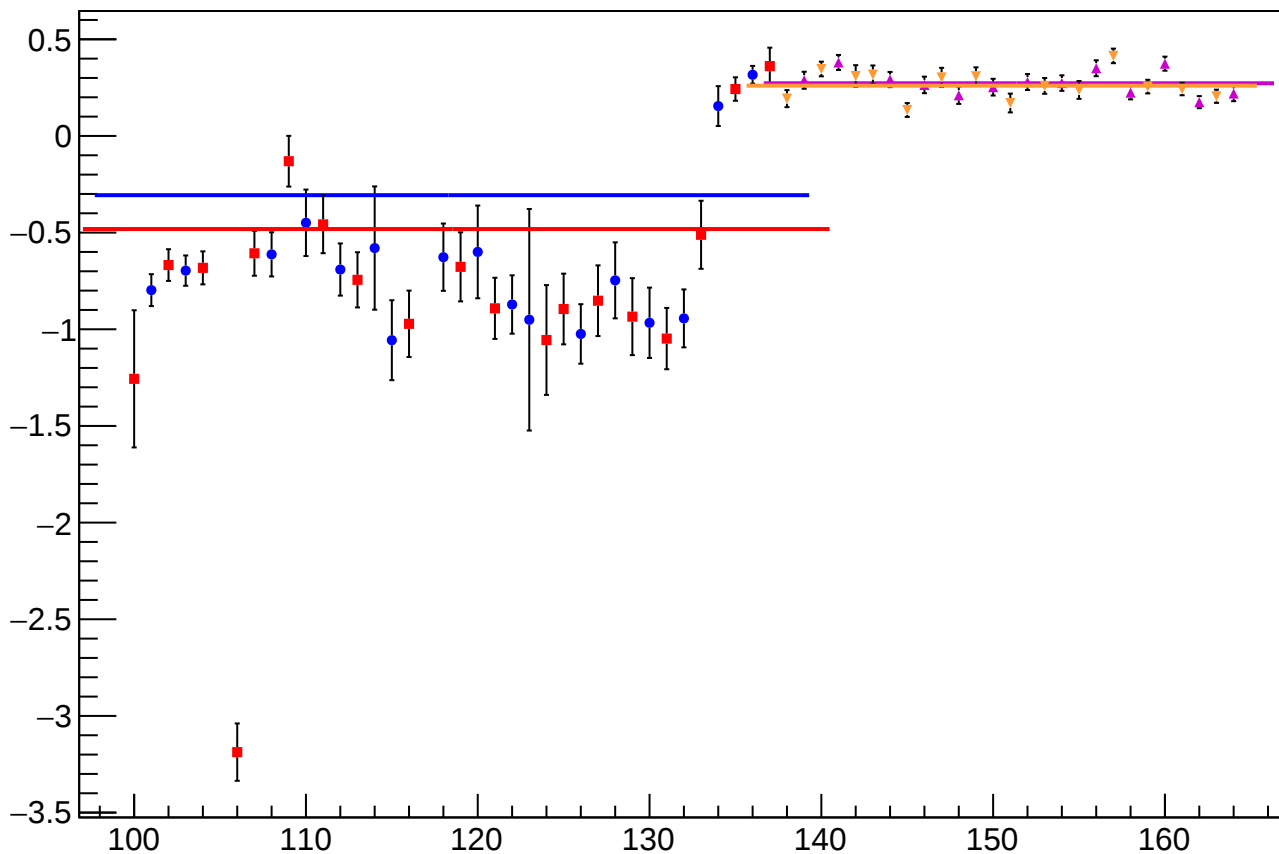
Right In: -12.421 ± 0.523 $\chi^2/\text{NDF}: 474.4/16$
 Left Out: -14.153 ± 0.228 $\chi^2/\text{NDF}: 347.9/13$
 Right Out: -10.791 ± 0.554 $\chi^2/\text{NDF}: 365.8/18$
 Left In: -14.581 ± 0.230 $\chi^2/\text{NDF}: 821.7/12$

Left: -14.365 ± 0.162 $\chi^2/\text{NDF}: 1171.3/26$
 Right: -11.652 ± 0.380 $\chi^2/\text{NDF}: 844.7/35$

In: -14.230 ± 0.211 $\chi^2/\text{NDF}: 1310.4/29$
 Out: -13.665 ± 0.211 $\chi^2/\text{NDF}: 745.2/32$

All: -13.948 ± 0.149 $\chi^2/\text{NDF}: 2059.1/62$

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: 0.260 ± 0.011 χ^2/NDF : 47.1/13

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.272 ± 0.011 χ^2/NDF : 35.0/12

Left: 0.266 ± 0.008 χ^2/NDF : 82.7/26

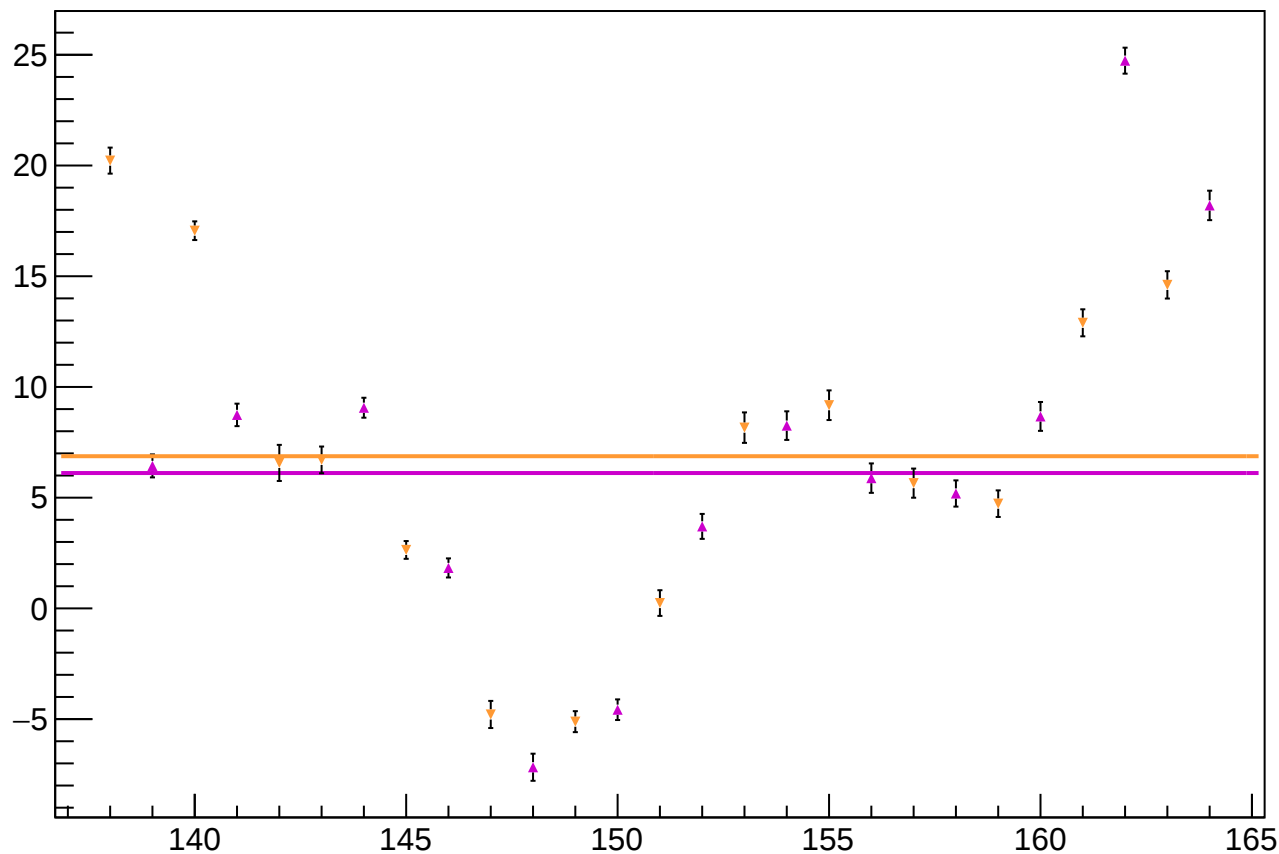
Right: -0.391 ± 0.020 χ^2/NDF : 1019.4/35

In: 0.194 ± 0.010 χ^2/NDF : 788.0/29

Out: 0.166 ± 0.010 χ^2/NDF : 1262.9/32

All: 0.180 ± 0.007 χ^2/NDF : 2054.6/62

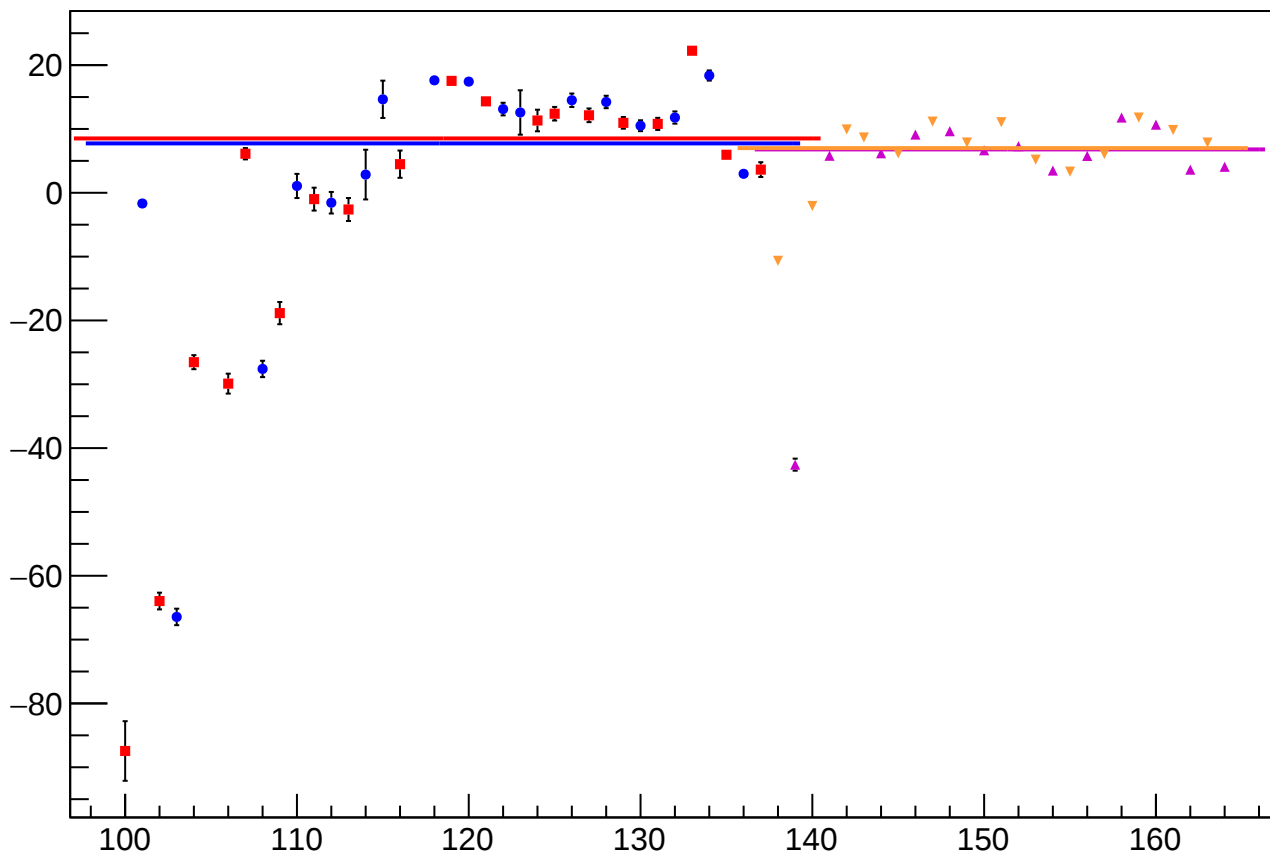
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.872+/-0.151 χ^2/NDF : 2629.1/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 6.113+/-0.152 χ^2/NDF : 2551.2/12

Left: 6.494+/-0.107 χ^2/NDF : 5192.9/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 6.113+/-0.152 χ^2/NDF : 2551.2/12
 Out: 6.872+/-0.151 χ^2/NDF : 2629.1/13
 All: 6.494+/-0.107 χ^2/NDF : 5192.9/26

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 $\pm$ 0.218 χ^2 /NDF: 5300.6/16

Left Out: 6.998 $\pm$ 0.106 χ^2 /NDF:2211.4/13

Right Out: 8.514 $\pm$ 0.213 χ^2 /NDF: 6719.4/18

Left In: 6.792 $\pm$ 0.107 χ^2 /NDF:3266.0/12

Left: 6.897 $\pm$ 0.075 χ^2 /NDF: 5479.2/26

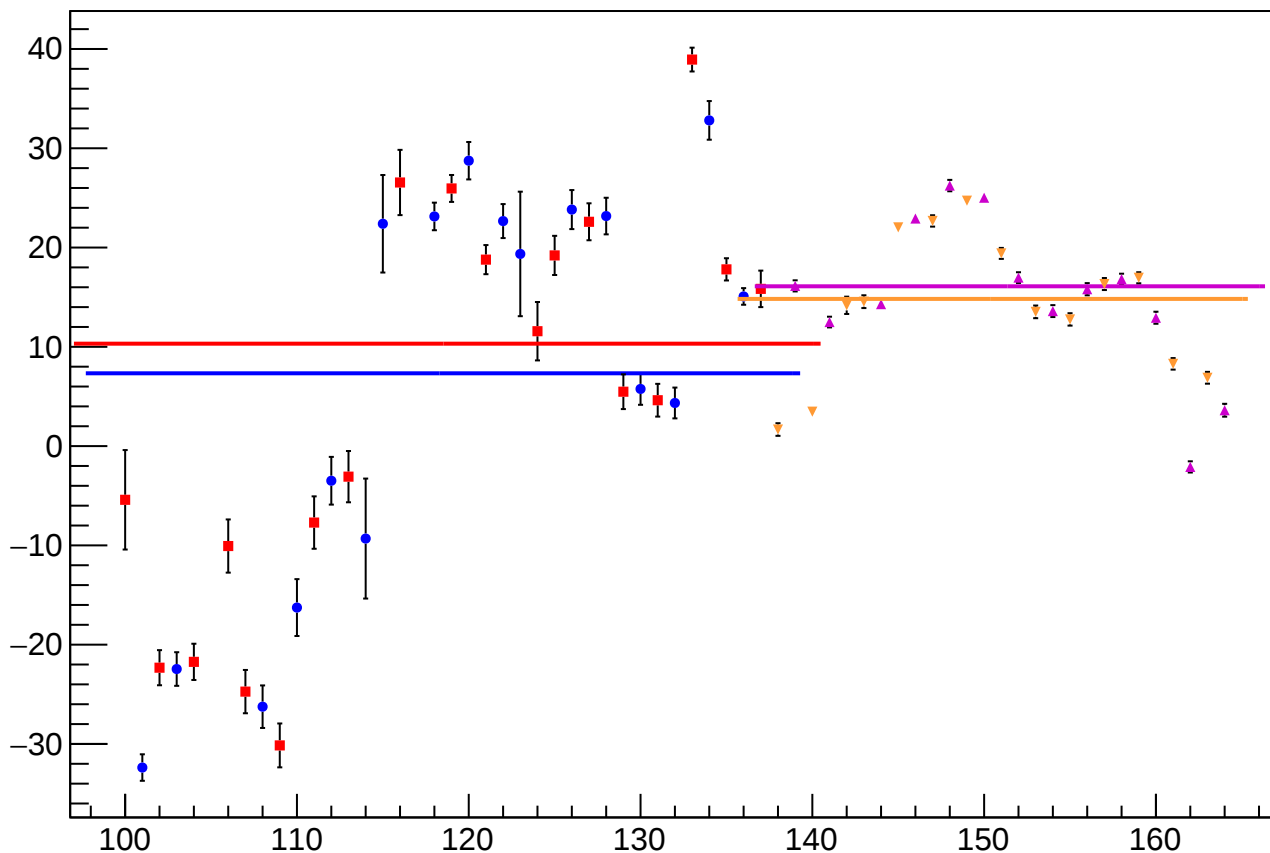
Right: 8.134 $\pm$ 0.152 χ^2 /NDF: 12026.5/35

In: 6.976 $\pm$ 0.096 χ^2 /NDF:8581.7/29

Out: 7.296 $\pm$ 0.095 χ^2 /NDF:8971.4/32

All: 7.139 $\pm$ 0.067 χ^2 /NDF: 17558.7/62

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: 14.826 ± 0.149 χ^2/NDF : 2449.2/13

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

Left In: 16.097 ± 0.148 χ^2/NDF : 2518.7/12

Left: 15.466 ± 0.105 χ^2/NDF : 5004.3/26

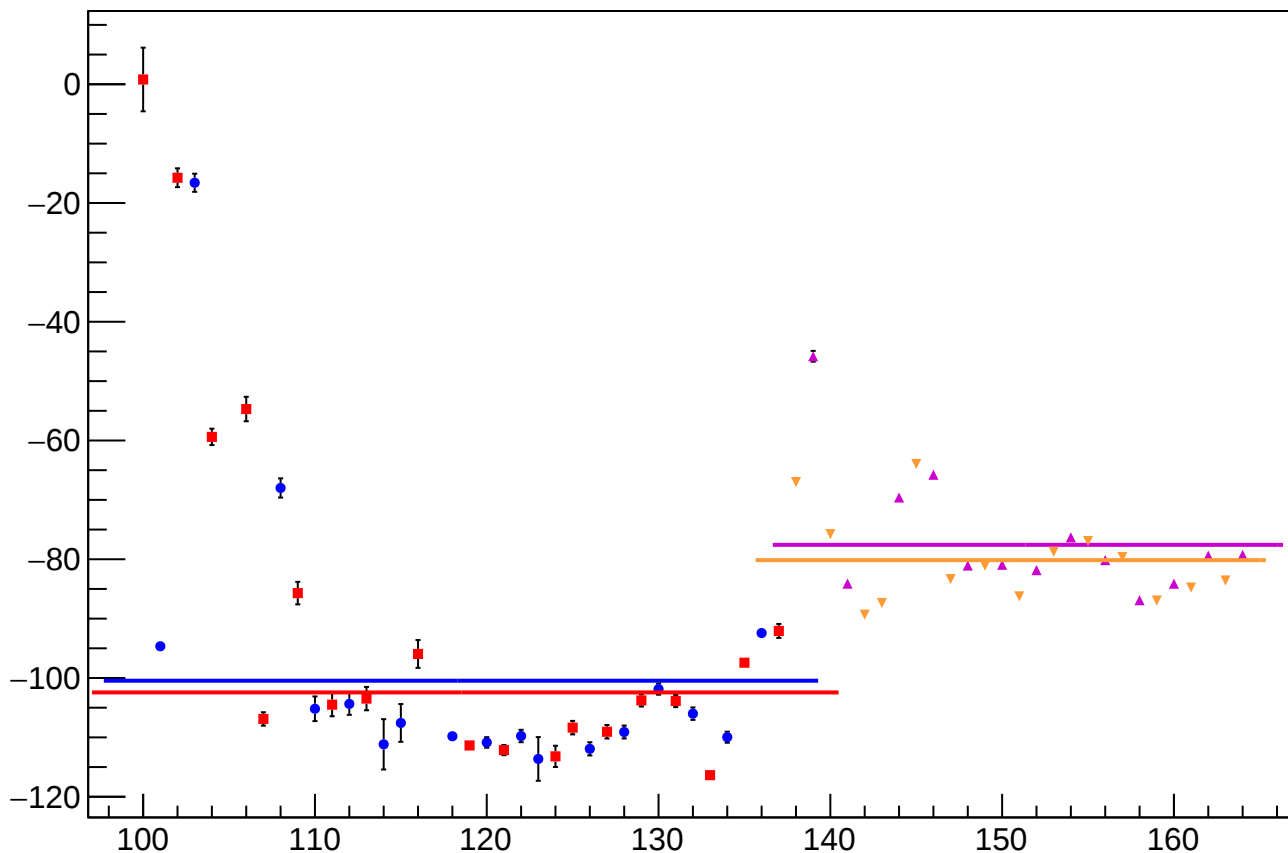
Right: 8.831 ± 0.295 χ^2/NDF : 4600.2/35

In: 15.119 ± 0.140 χ^2/NDF : 5201.3/29

Out: 14.314 ± 0.141 χ^2/NDF : 4834.4/32

All: 14.719 ± 0.099 χ^2/NDF : 10052.2/62

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: -80.150 ± 0.124 χ^2/NDF : 3437.3/13

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

Left In: -77.575 ± 0.125 χ^2/NDF : 4005.2/12

Left: -78.874 ± 0.088 χ^2/NDF : 7654.8/26

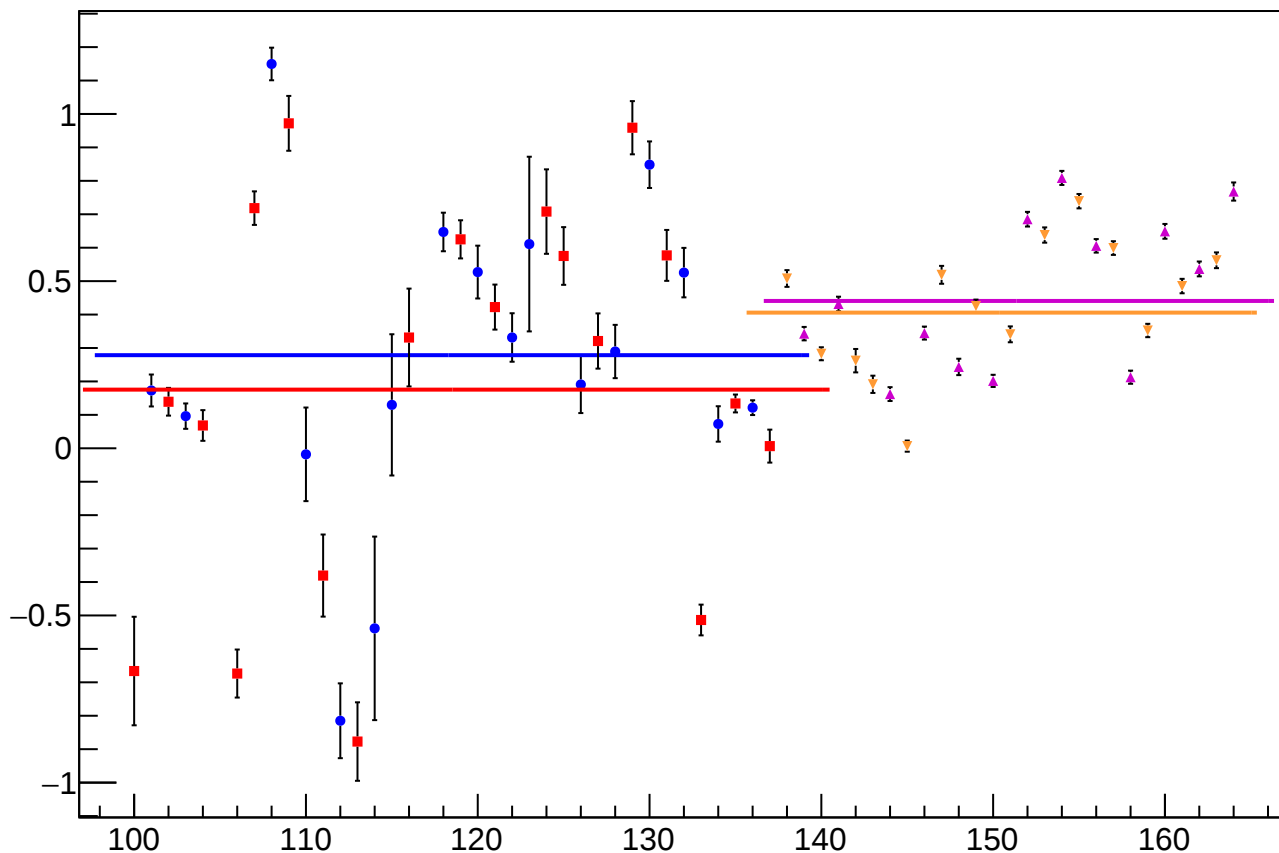
Right: -101.462 ± 0.176 χ^2/NDF : 10586.9/35

In: -82.158 ± 0.112 χ^2/NDF : 15125.9/29

Out: -84.680 ± 0.111 χ^2/NDF : 16053.4/32

All: -83.432 ± 0.079 χ^2/NDF : 31434.5/62

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: 0.406 $\pm$ 0.006 χ^2 /NDF:1239.9/13

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

Left In: 0.441 $\pm$ 0.006 χ^2 /NDF:1348.6/12

Left: 0.423 $\pm$ 0.004 χ^2 /NDF: 2606.2/26

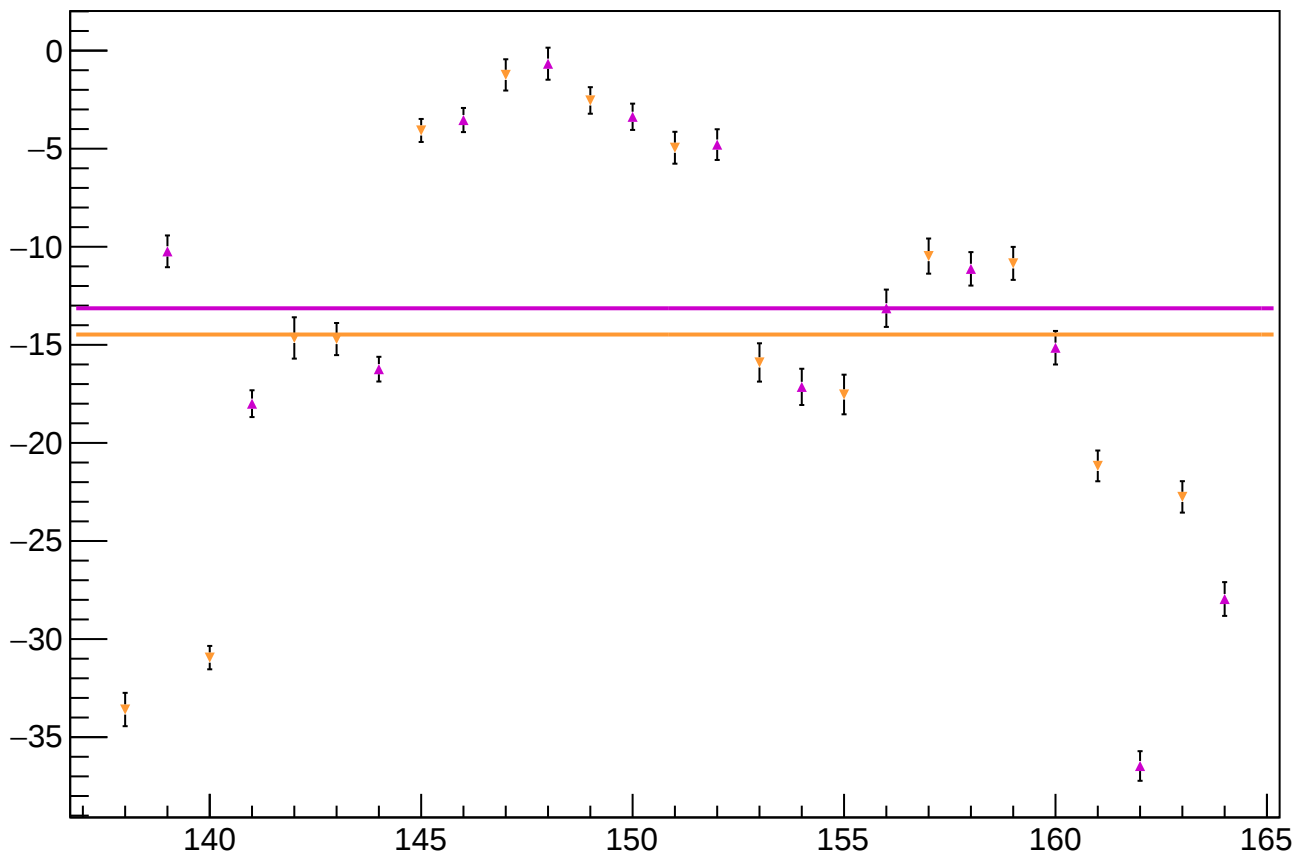
Right: 0.227 $\pm$ 0.010 χ^2 /NDF: 1650.8/35

In: 0.415 $\pm$ 0.005 χ^2 /NDF:2123.6/29

Out: 0.369 $\pm$ 0.005 χ^2 /NDF:2453.1/32

All: 0.392 $\pm$ 0.004 χ^2 /NDF: 4613.2/62

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: -14.474+/-0.210 χ^2/NDF :2538.1/13

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

Left In: -13.137+/-0.212 χ^2/NDF :2171.2/12

Left: -13.811+/-0.149 χ^2/NDF : 4729.4/26

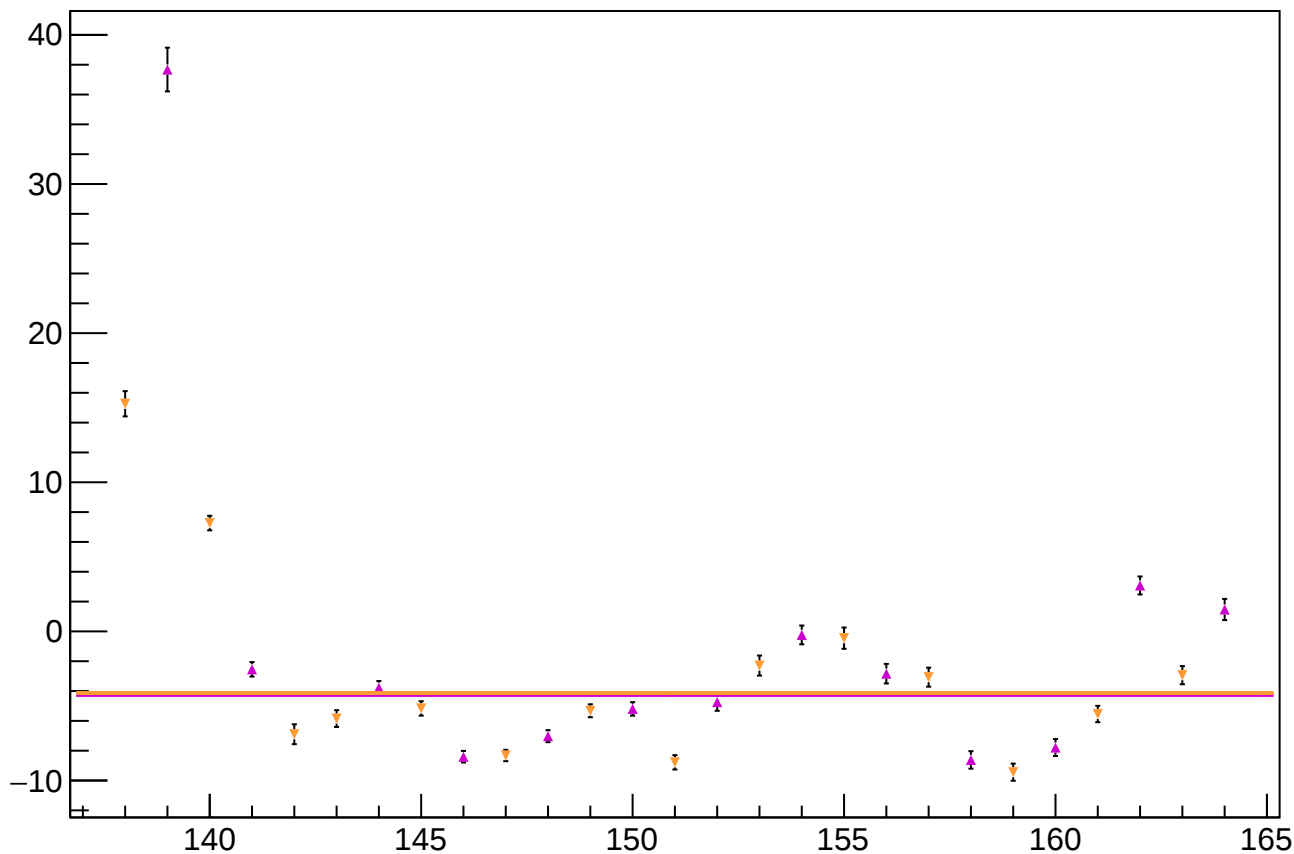
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -13.137+/-0.212 χ^2/NDF :2171.2/12

Out: -14.474+/-0.210 χ^2/NDF :2538.1/13

All: -13.811+/-0.149 χ^2/NDF : 4729.4/26

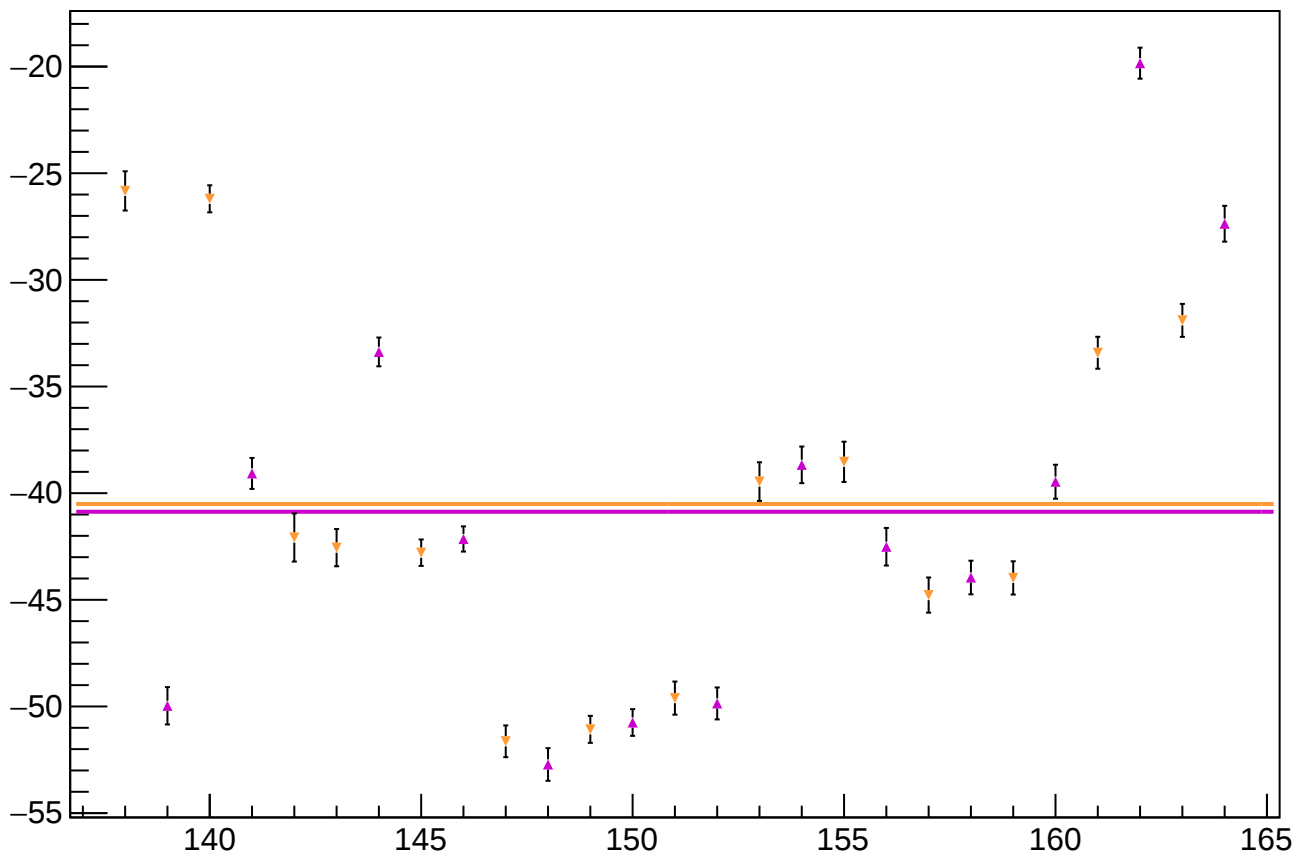
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -4.130+/-0.145 χ^2/NDF :1452.6/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.259+/-0.148 χ^2/NDF :1349.1/12

Left: -4.194+/-0.104 χ^2/NDF : 2802.1/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.259+/-0.148 χ^2/NDF :1349.1/12
 Out: -4.130+/-0.145 χ^2/NDF :1452.6/13
 All: -4.194+/-0.104 χ^2/NDF : 2802.1/26

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: -40.508+/-0.207 χ^2/NDF :1688.5/13

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

Left In: -40.871+/-0.207 χ^2/NDF :1997.7/12

Left: -40.690+/-0.146 χ^2/NDF : 3687.8/26

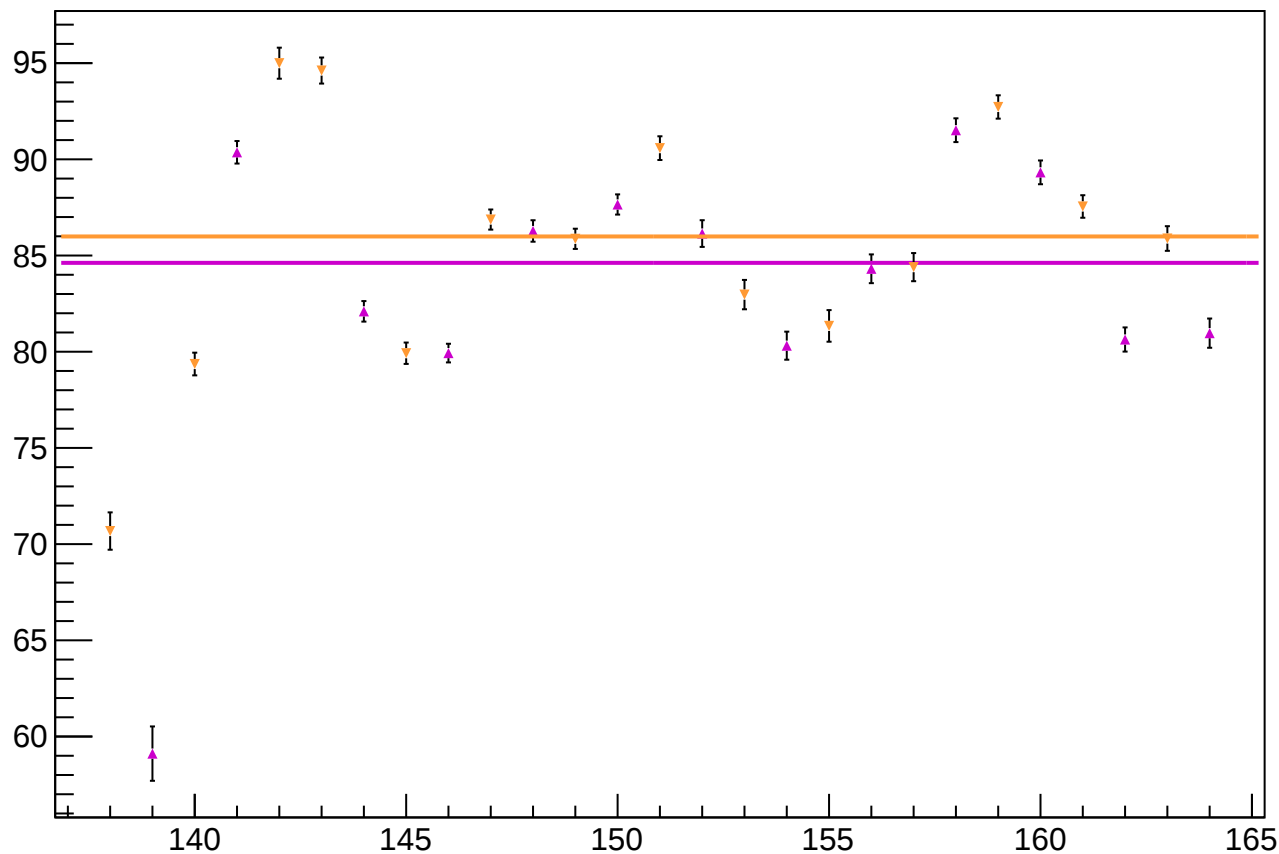
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.871+/-0.207 χ^2/NDF :1997.7/12

Out: -40.508+/-0.207 χ^2/NDF :1688.5/13

All: -40.690+/-0.146 χ^2/NDF : 3687.8/26

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: 85.991+/-0.172 χ^2/NDF :1022.1/13

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

Left In: 84.619+/-0.173 χ^2/NDF :866.1/12

Left: 85.312+/-0.122 χ^2/NDF : 1919.8/26

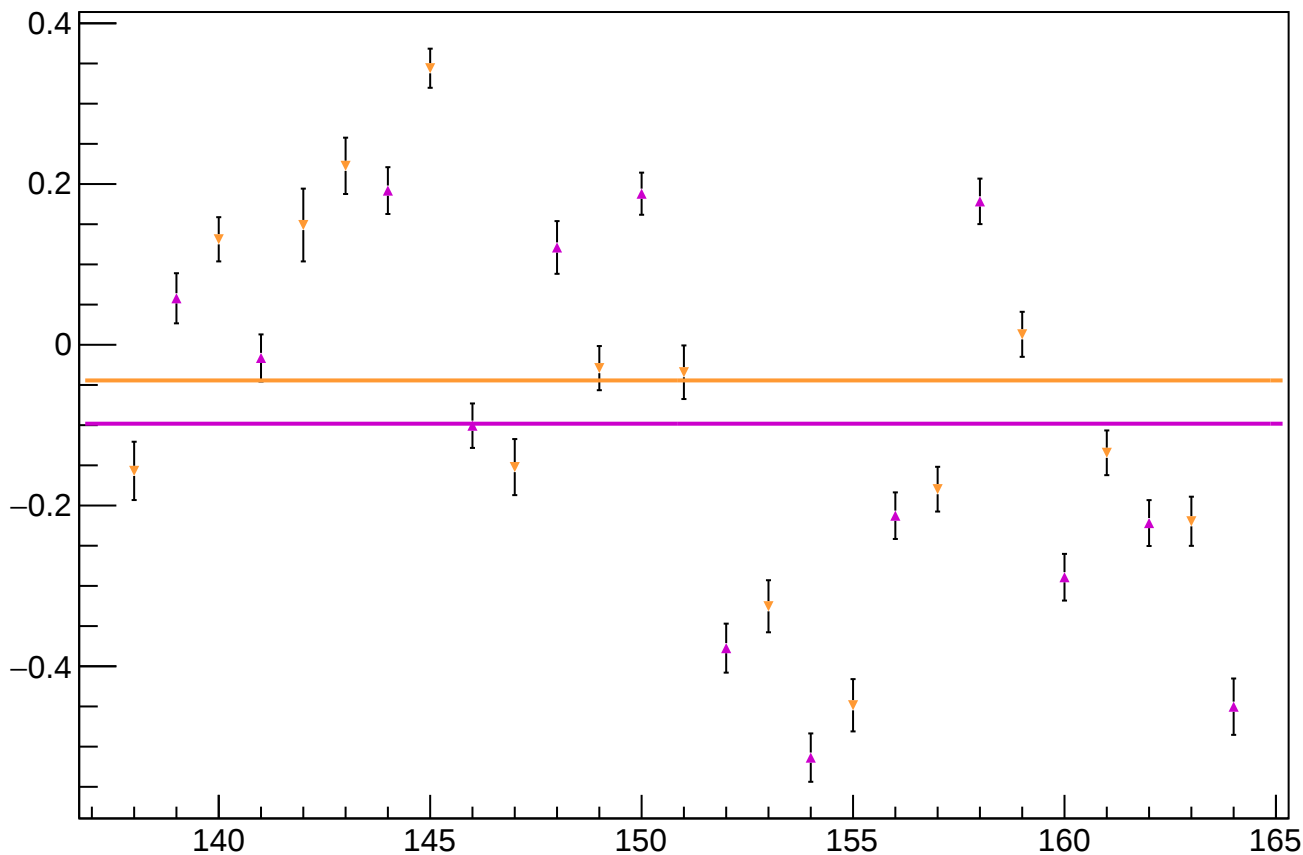
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 84.619+/-0.173 χ^2/NDF :866.1/12

Out: 85.991+/-0.172 χ^2/NDF :1022.1/13

All: 85.312+/-0.122 χ^2/NDF : 1919.8/26

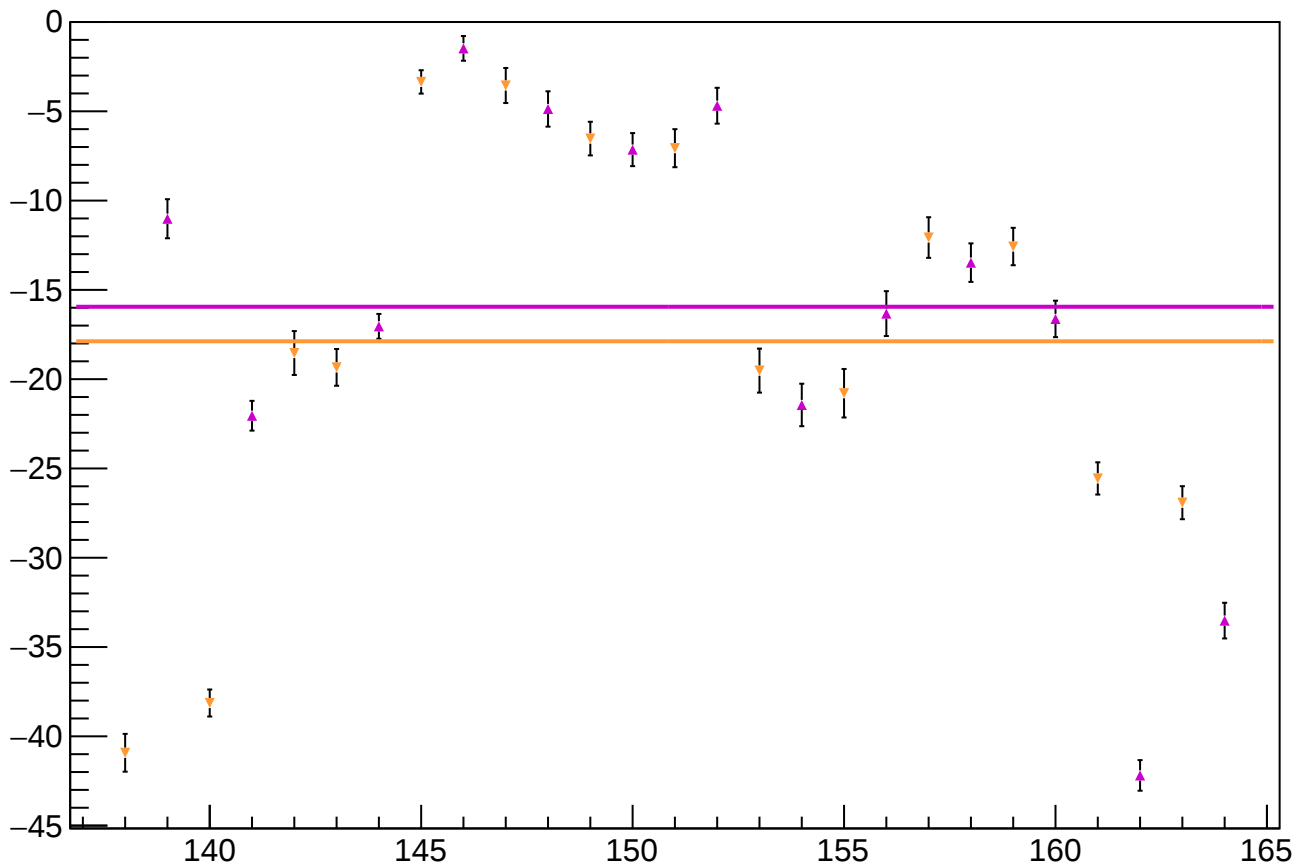
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.044+/-0.008 χ^2/NDF : 691.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.098+/-0.008 χ^2/NDF : 844.4/12

Left: -0.071+/-0.006 χ^2/NDF : 1557.9/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.098+/-0.008 χ^2/NDF : 844.4/12
 Out: -0.044+/-0.008 χ^2/NDF : 691.9/13
 All: -0.071+/-0.006 χ^2/NDF : 1557.9/26

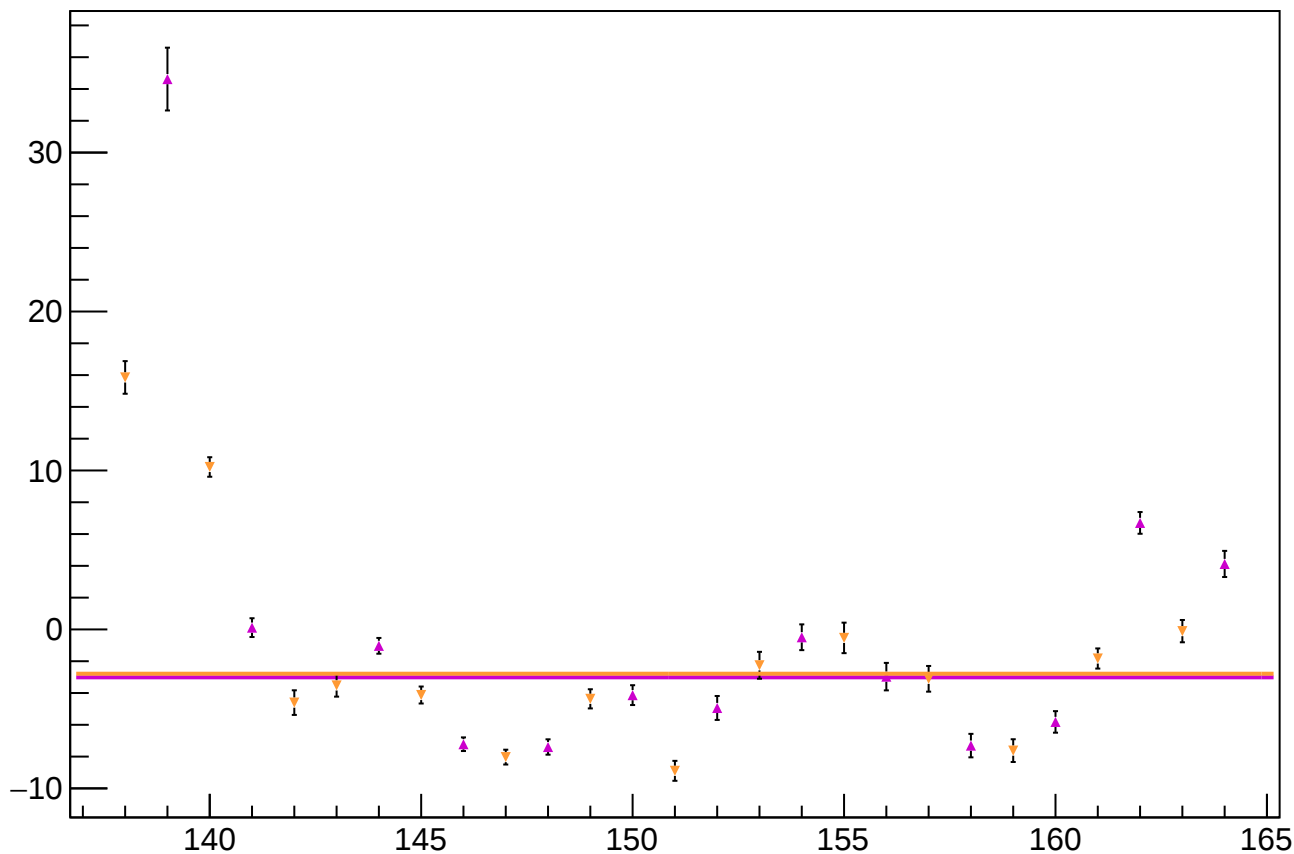
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -17.879+/-0.259 χ^2/NDF :2371.7/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -15.945+/-0.257 χ^2/NDF :2128.9/12

Left: -16.904+/-0.182 χ^2/NDF : 4528.7/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -15.945+/-0.257 χ^2/NDF :2128.9/12
 Out: -17.879+/-0.259 χ^2/NDF :2371.7/13
 All: -16.904+/-0.182 χ^2/NDF : 4528.7/26

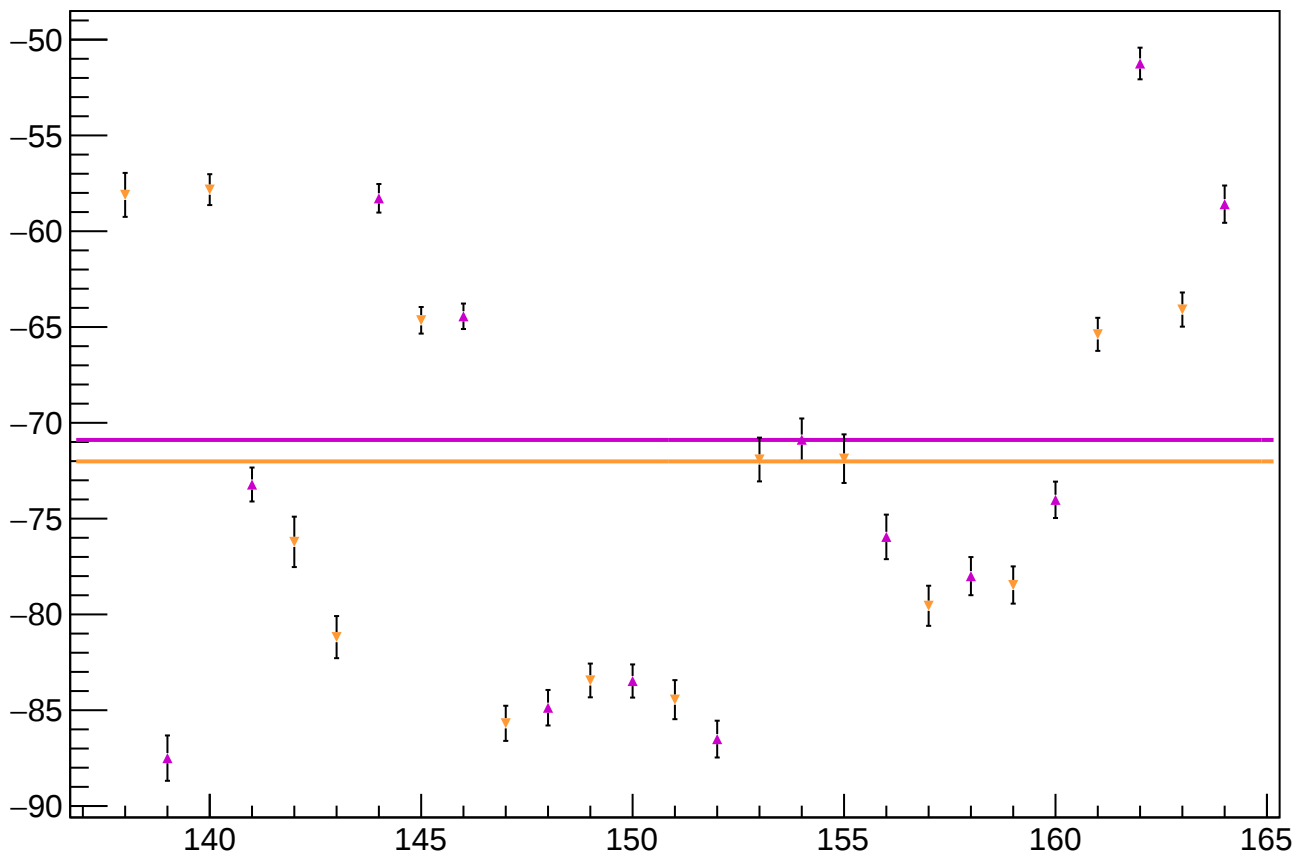
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.786+/-0.179 χ^2/NDF :1086.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.014+/-0.178 χ^2/NDF :933.3/12

Left: -2.901+/-0.126 χ^2/NDF : 2021.0/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.014+/-0.178 χ^2/NDF :933.3/12
 Out: -2.786+/-0.179 χ^2/NDF :1086.9/13
 All: -2.901+/-0.126 χ^2/NDF : 2021.0/26

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -72.014+/-0.257 χ^2/NDF :1423.0/13

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

Left In: -70.893+/-0.251 χ^2/NDF :2094.2/12

Left: -71.442+/-0.180 χ^2/NDF : 3526.9/26

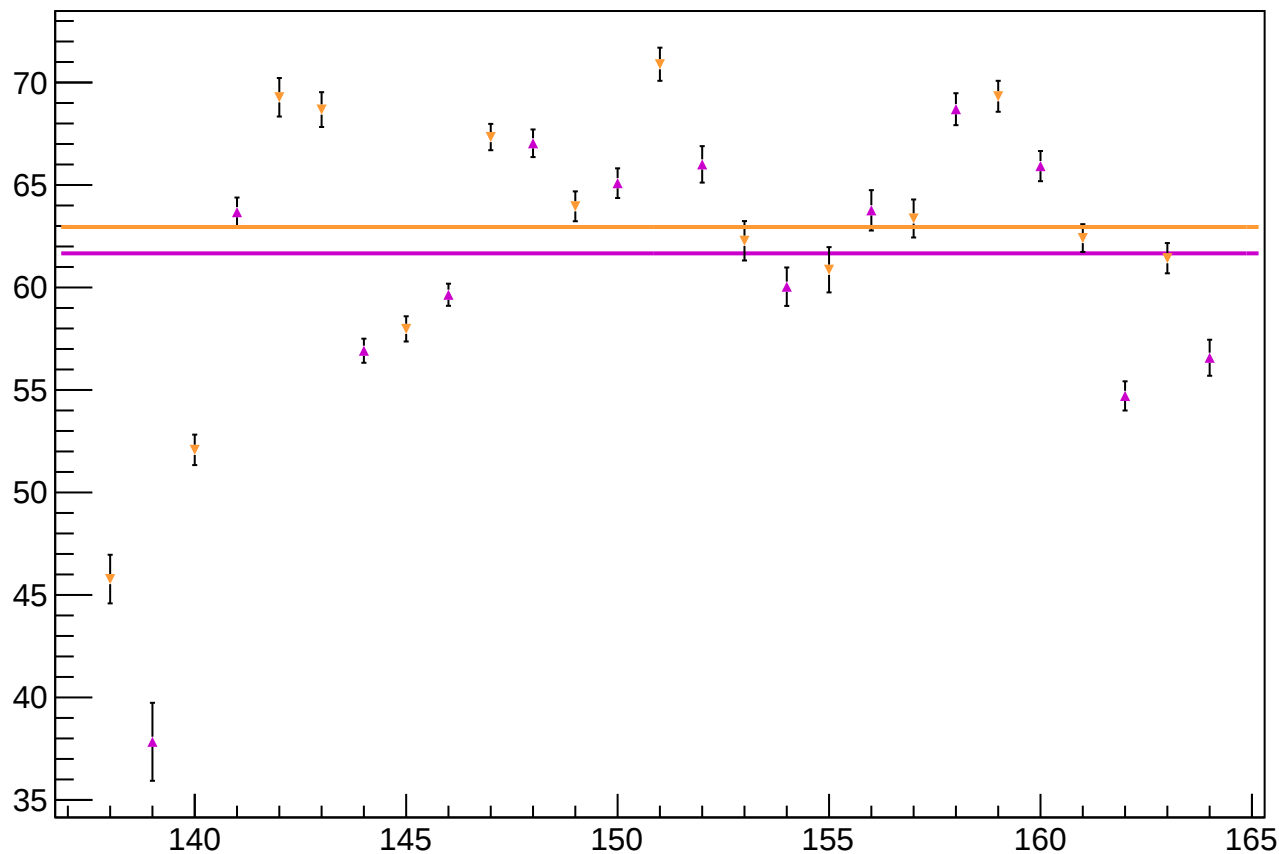
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -70.893+/-0.251 χ^2/NDF :2094.2/12

Out: -72.014+/-0.257 χ^2/NDF :1423.0/13

All: -71.442+/-0.180 χ^2/NDF : 3526.9/26

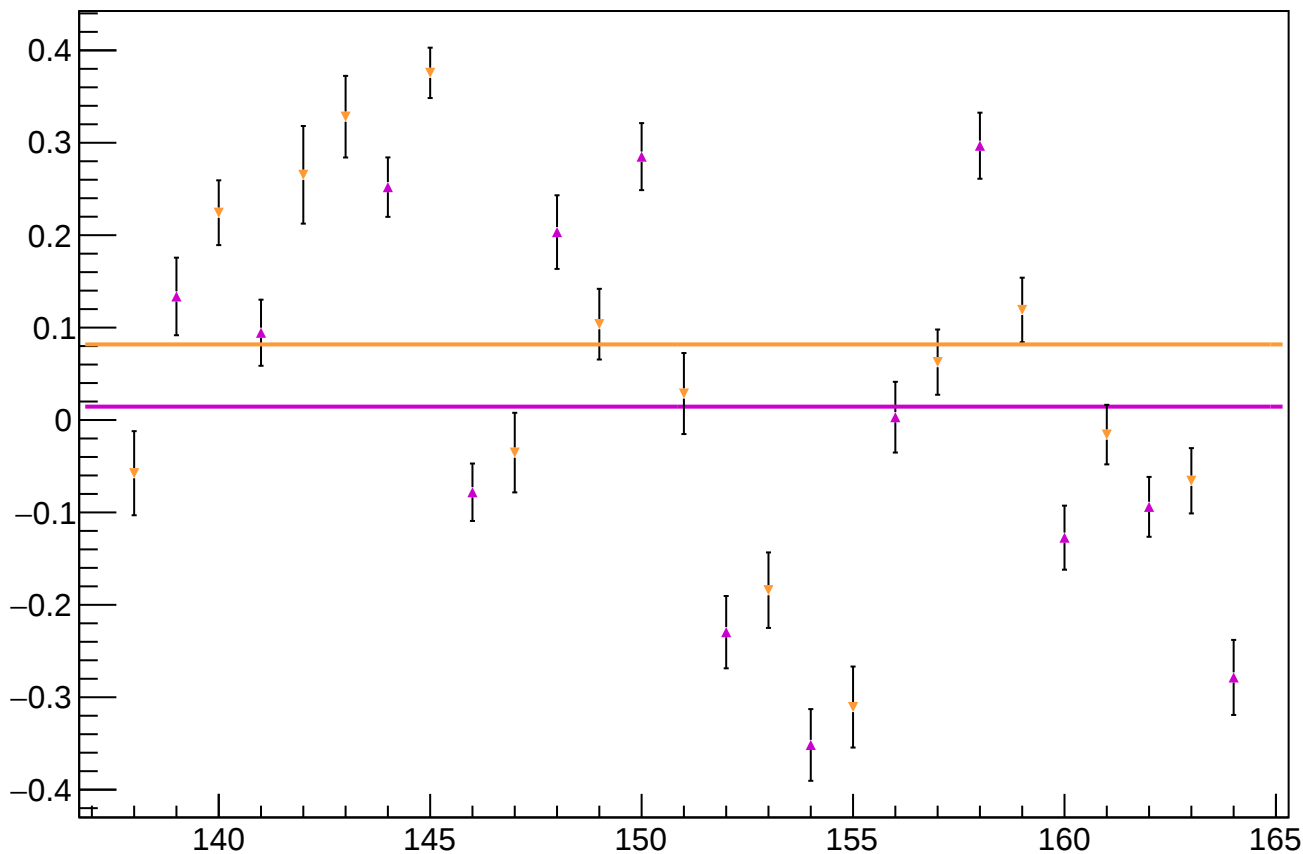
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 62.951+/-0.211 χ^2/NDF :805.7/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 61.664+/-0.209 χ^2/NDF :605.1/12

Left: 62.300+/-0.149 χ^2/NDF : 1429.5/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 61.664+/-0.209 χ^2/NDF :605.1/12
 Out: 62.951+/-0.211 χ^2/NDF :805.7/13
 All: 62.300+/-0.149 χ^2/NDF : 1429.5/26

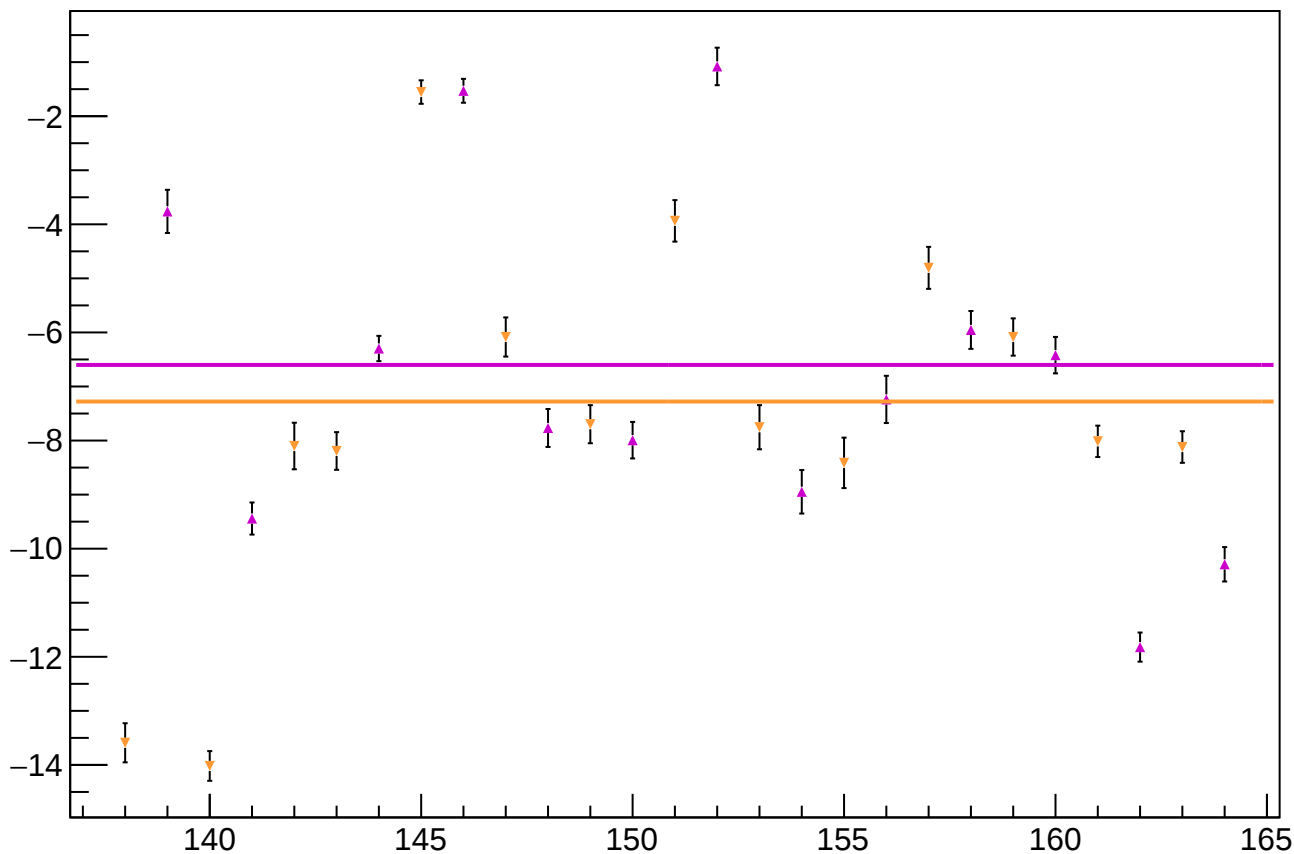
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.082 $\pm$ 0.010 χ^2 /NDF:345.2/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.014 $\pm$ 0.010 χ^2 /NDF:425.1/12

Left: 0.048 $\pm$ 0.007 χ^2 /NDF: 792.6/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.014 $\pm$ 0.010 χ^2 /NDF:425.1/12
 Out: 0.082 $\pm$ 0.010 χ^2 /NDF:345.2/13
 All: 0.048 $\pm$ 0.007 χ^2 /NDF: 792.6/26

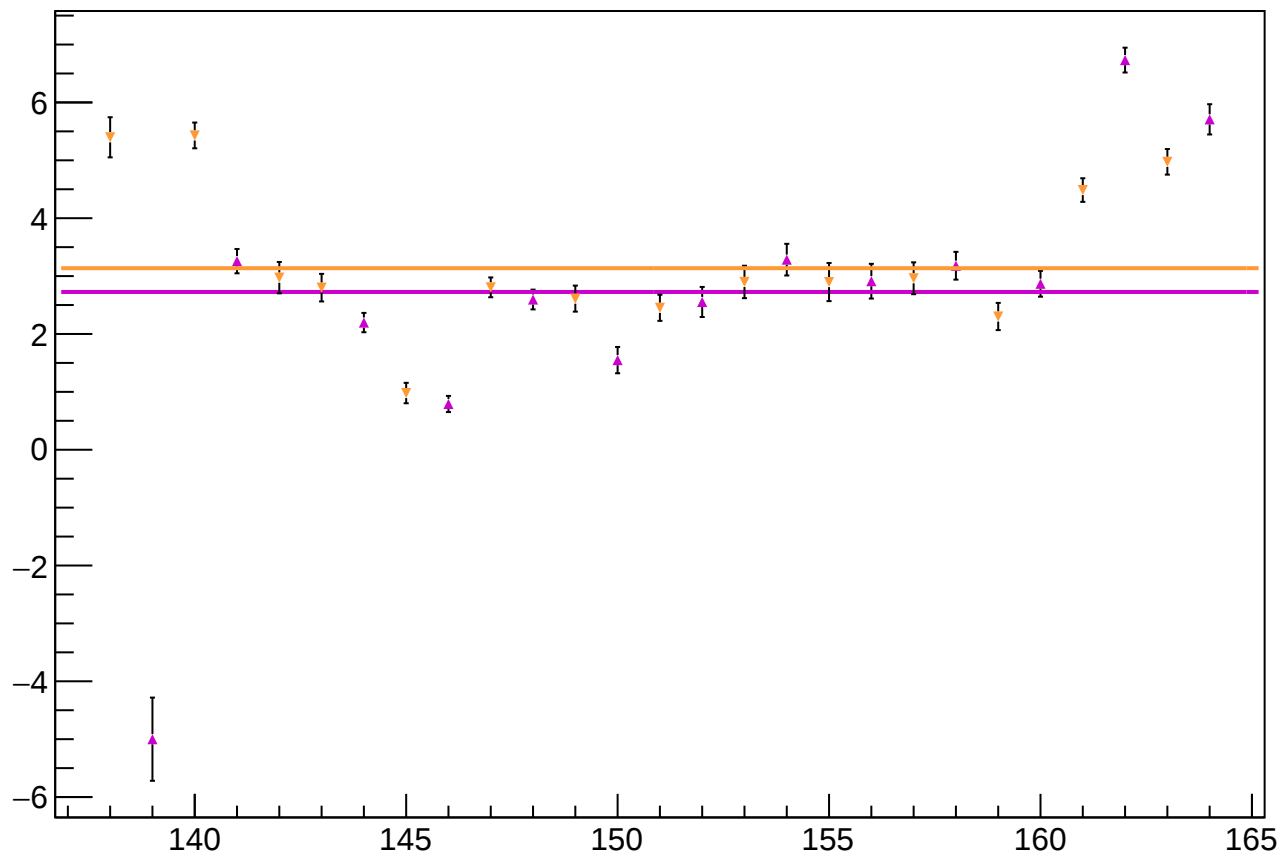
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.278 $\pm$ 0.089 χ^2 /NDF:1776.4/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.601 $\pm$ 0.087 χ^2 /NDF:1501.2/12

Left: -6.932 $\pm$ 0.062 χ^2 /NDF: 3307.5/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.601 $\pm$ 0.087 χ^2 /NDF:1501.2/12
 Out: -7.278 $\pm$ 0.089 χ^2 /NDF:1776.4/13
 All: -6.932 $\pm$ 0.062 χ^2 /NDF: 3307.5/26

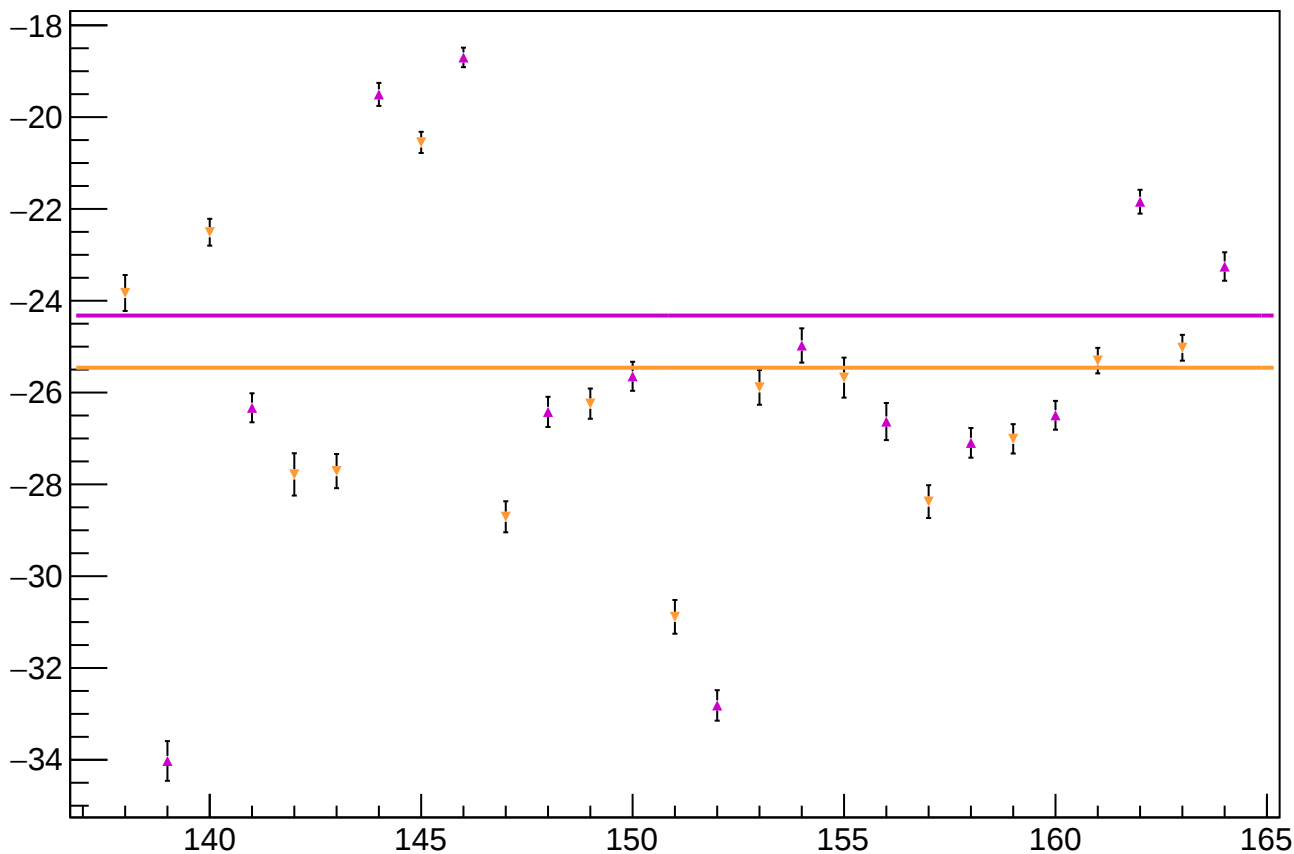
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 3.136 $\pm$ 0.062 χ^2/NDF :446.5/13
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 2.726 $\pm$ 0.060 χ^2/NDF :839.6/12

Left: 2.925 $\pm$ 0.043 χ^2/NDF : 1308.9/26
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 2.726 $\pm$ 0.060 χ^2/NDF :839.6/12
 Out: 3.136 $\pm$ 0.062 χ^2/NDF :446.5/13
 All: 2.925 $\pm$ 0.043 χ^2/NDF : 1308.9/26

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -25.459+/-0.088 χ^2/NDF :1045.3/13

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

Left In: -24.323+/-0.085 χ^2/NDF :2585.2/12

Left: -24.869+/-0.061 χ^2/NDF : 3717.4/26

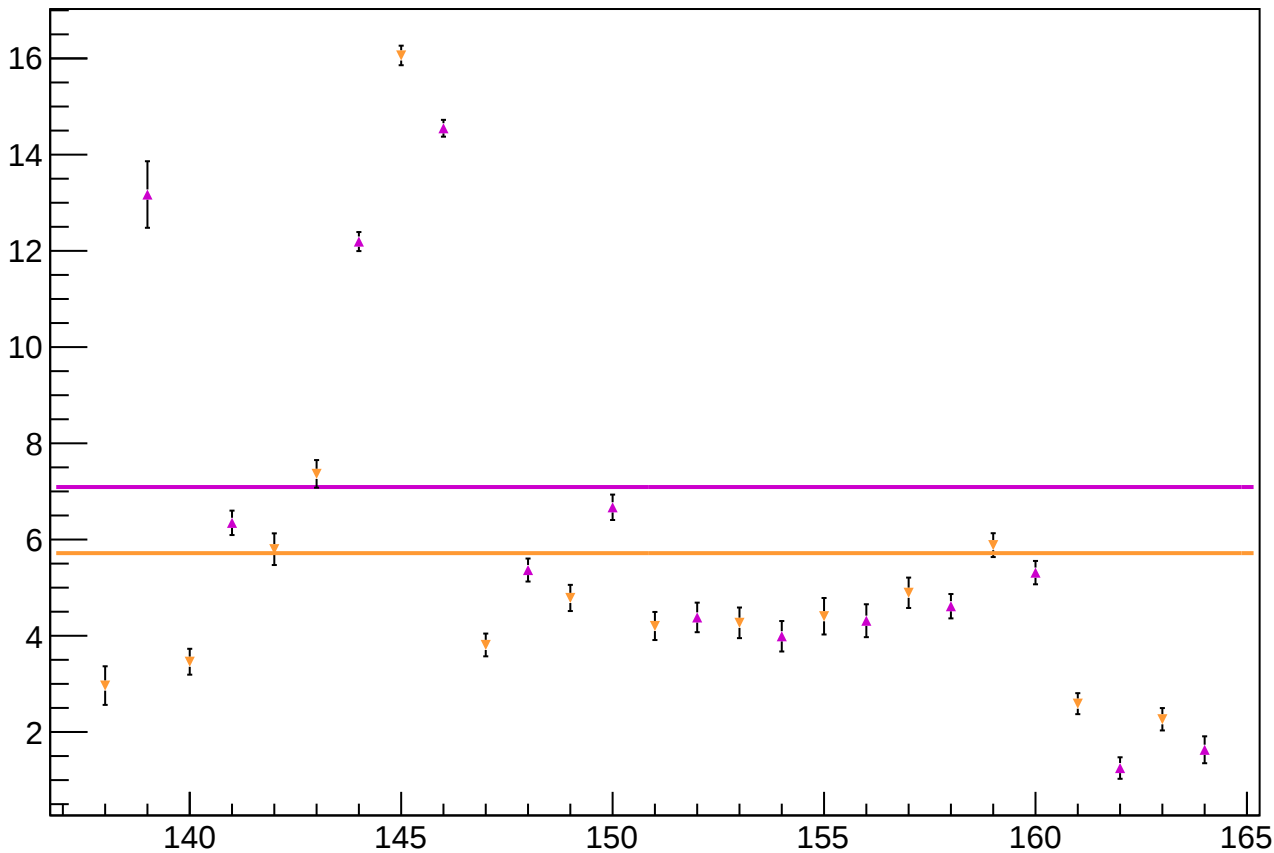
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.323+/-0.085 χ^2/NDF :2585.2/12

Out: -25.459+/-0.088 χ^2/NDF :1045.3/13

All: -24.869+/-0.061 χ^2/NDF : 3717.4/26

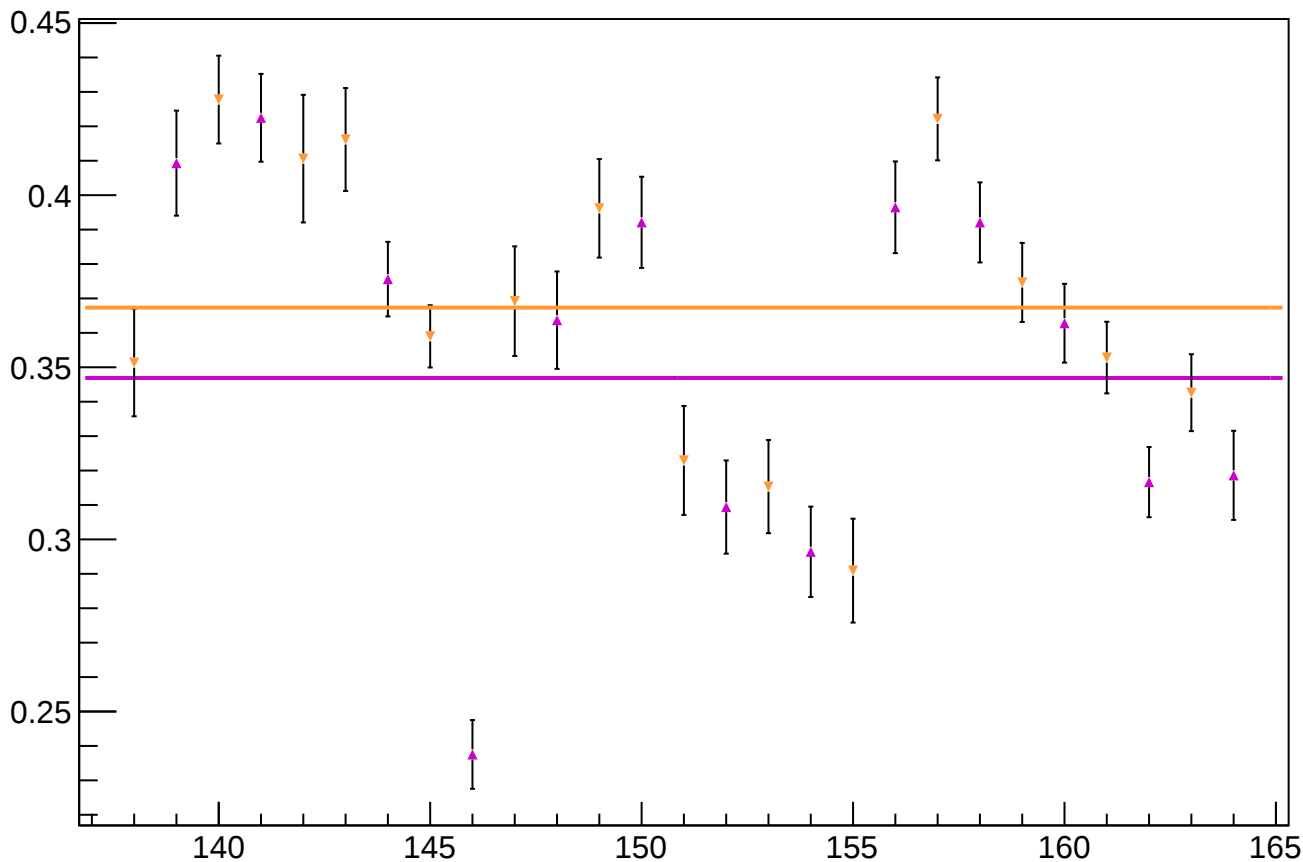
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.717+/-0.072 χ^2/NDF :3311.4/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.091+/-0.070 χ^2/NDF :4075.5/12

Left: 6.423+/-0.050 χ^2/NDF : 7572.5/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.091+/-0.070 χ^2/NDF :4075.5/12
 Out: 5.717+/-0.072 χ^2/NDF :3311.4/13
 All: 6.423+/-0.050 χ^2/NDF : 7572.5/26

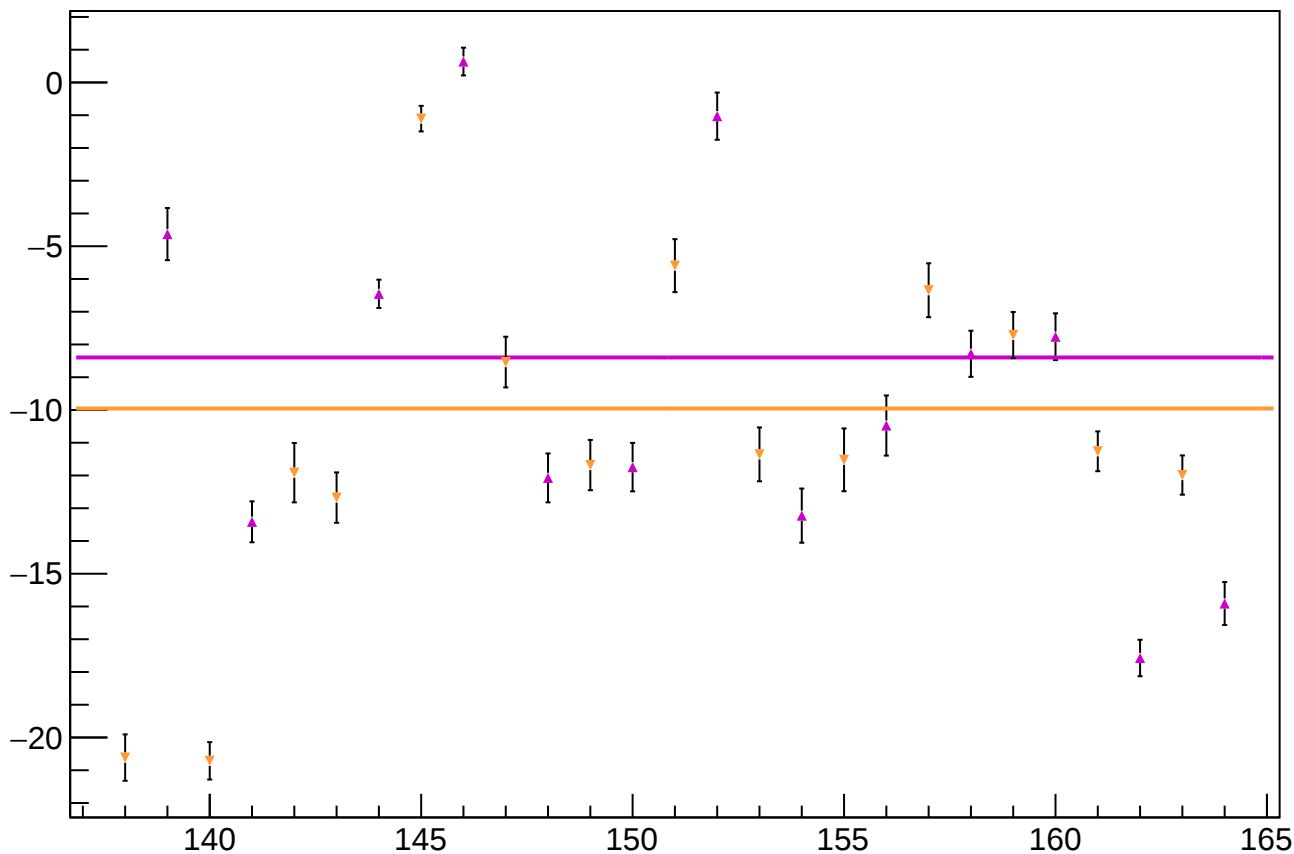
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.367 $\pm$ 0.003 χ^2 /NDF:120.8/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.347 $\pm$ 0.003 χ^2 /NDF:258.8/12

Left: 0.357 $\pm$ 0.002 χ^2 /NDF: 397.4/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.347 $\pm$ 0.003 χ^2 /NDF:258.8/12
 Out: 0.367 $\pm$ 0.003 χ^2 /NDF:120.8/13
 All: 0.357 $\pm$ 0.002 χ^2 /NDF: 397.4/26

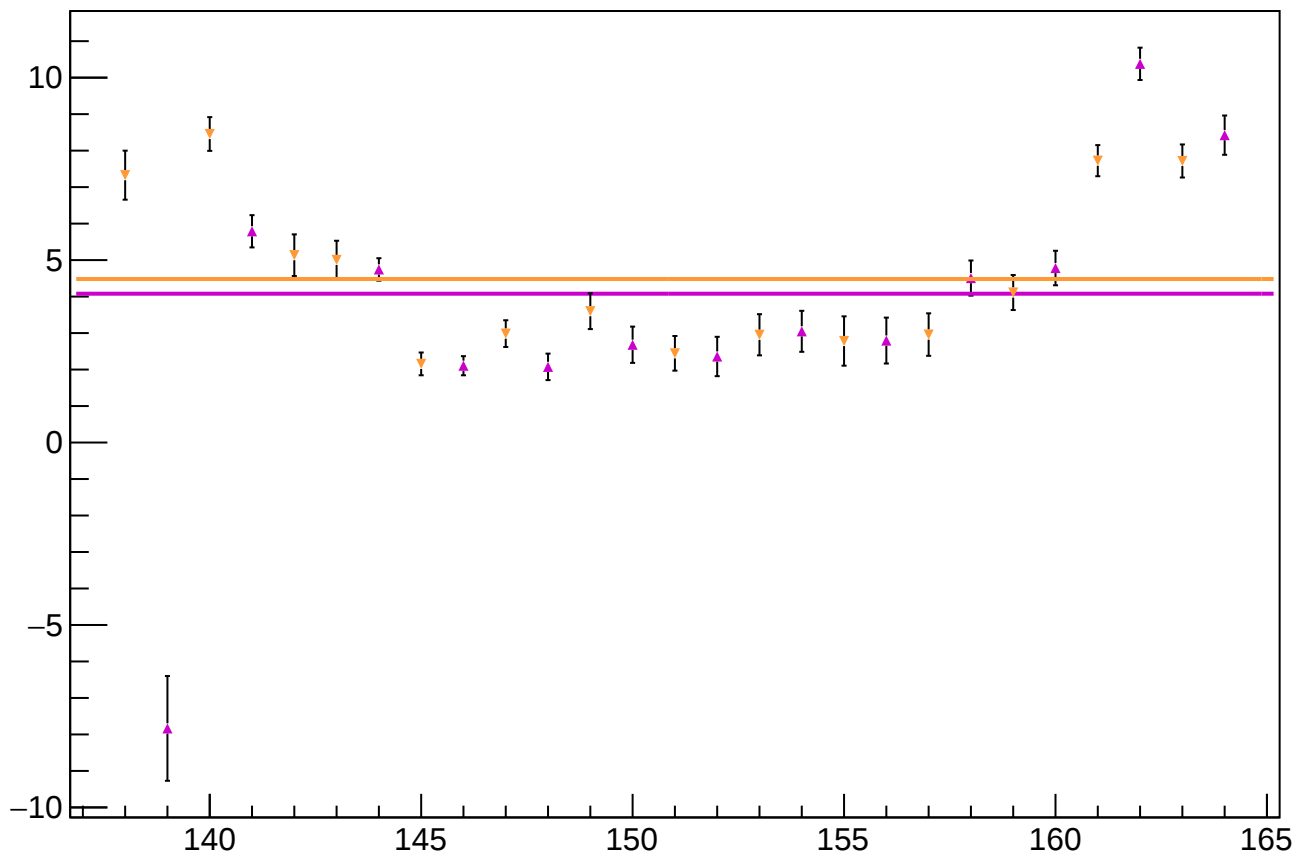
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -9.954 ± 0.180 $\chi^2/\text{NDF}: 1201.3/13$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -8.397 ± 0.175 $\chi^2/\text{NDF}: 1153.0/12$

Left: -9.154 ± 0.125 $\chi^2/\text{NDF}: 2392.9/26$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -8.397 ± 0.175 $\chi^2/\text{NDF}: 1153.0/12$
 Out: -9.954 ± 0.180 $\chi^2/\text{NDF}: 1201.3/13$
 All: -9.154 ± 0.125 $\chi^2/\text{NDF}: 2392.9/26$

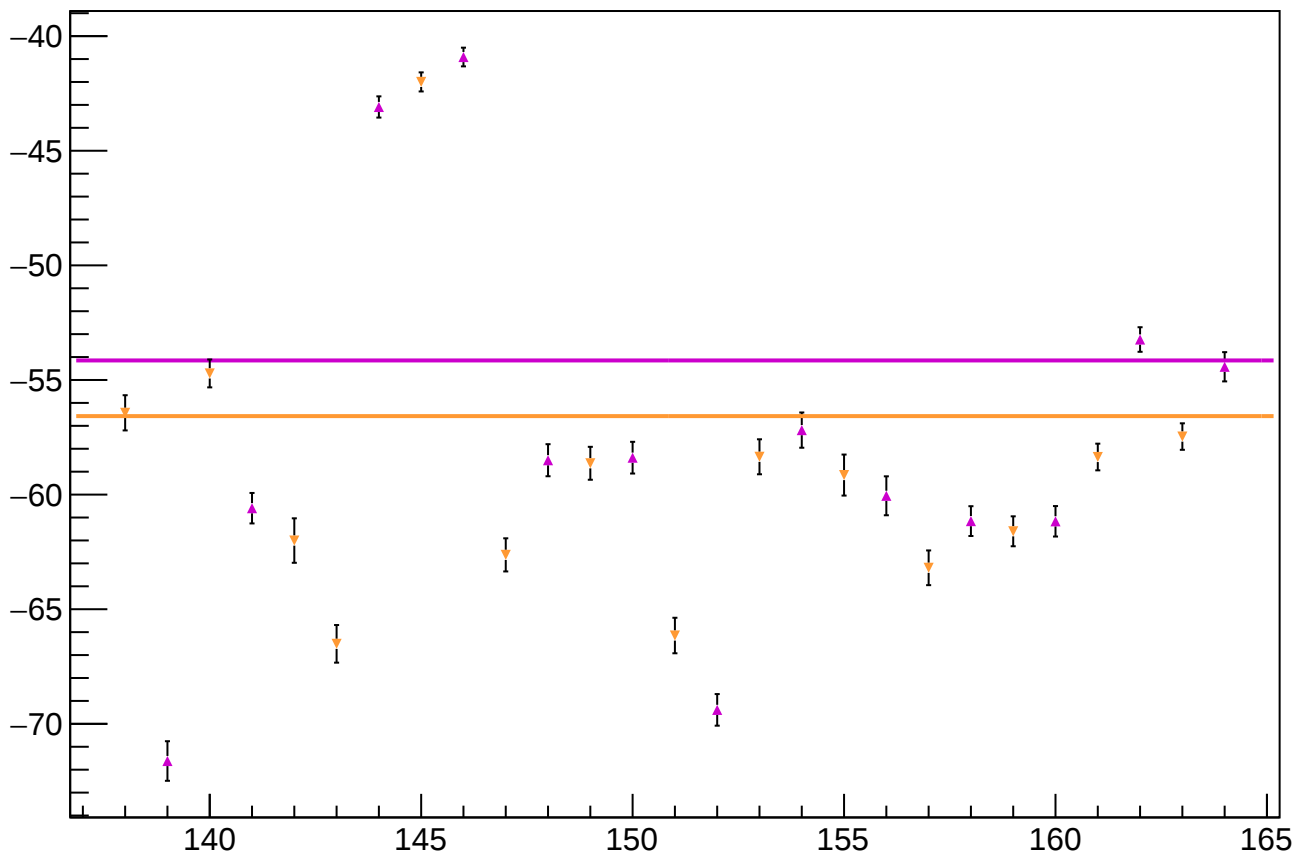
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.482+/-0.126 χ^2/NDF :317.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.079+/-0.121 χ^2/NDF :471.7/12

Left: 4.271+/-0.087 χ^2/NDF : 795.0/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.079+/-0.121 χ^2/NDF :471.7/12
 Out: 4.482+/-0.126 χ^2/NDF :317.9/13
 All: 4.271+/-0.087 χ^2/NDF : 795.0/26

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: -56.576+/-0.179 χ^2/NDF :1807.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -54.147+/-0.171 χ^2/NDF :2987.1/12

Left: -55.308+/-0.124 χ^2/NDF : 4891.2/26

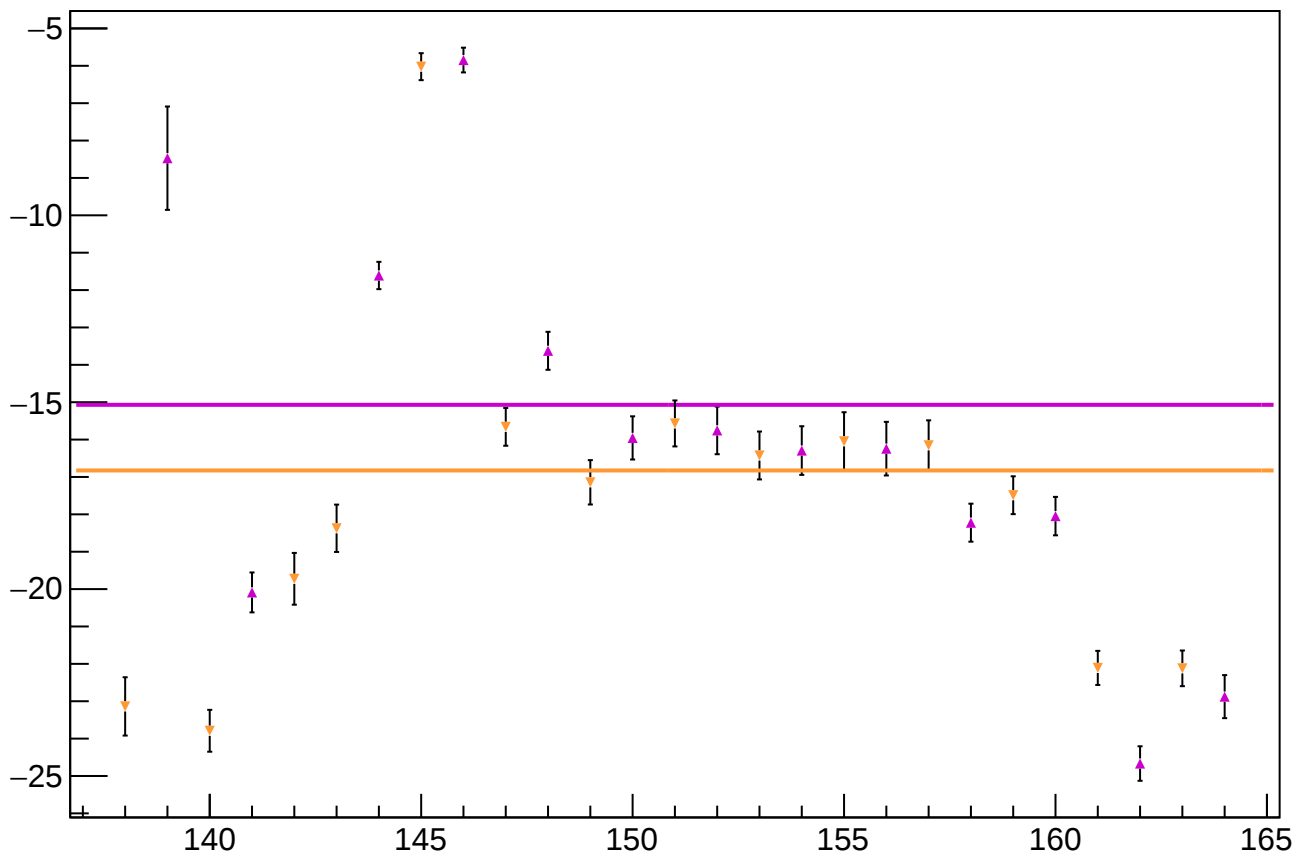
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -54.147+/-0.171 χ^2/NDF :2987.1/12

Out: -56.576+/-0.179 χ^2/NDF :1807.9/13

All: -55.308+/-0.124 χ^2/NDF : 4891.2/26

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -16.826+/-0.148 χ^2/NDF :1411.2/13

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

Left In: -15.070+/-0.142 χ^2/NDF :1682.2/12

Left: -15.914+/-0.102 χ^2/NDF : 3167.0/26

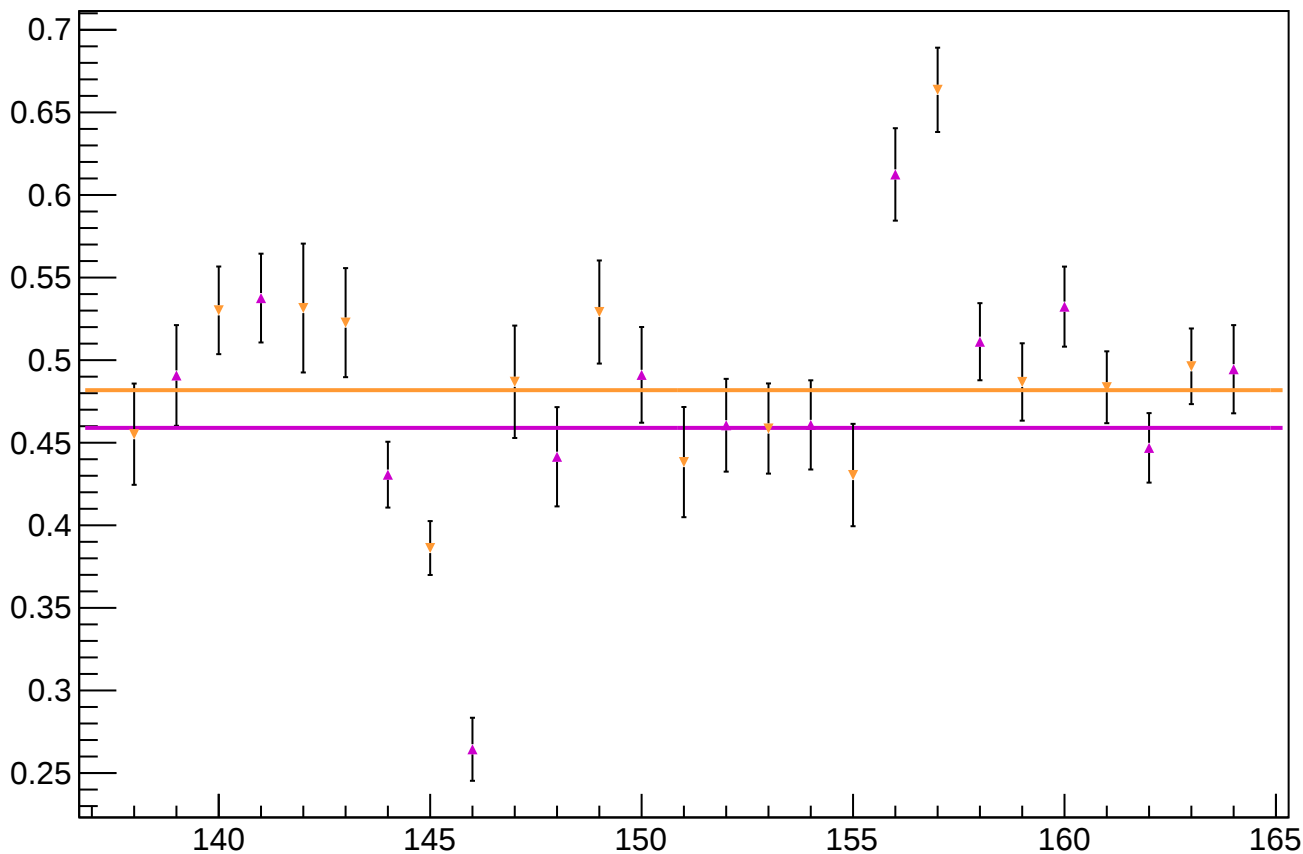
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.070+/-0.142 χ^2/NDF :1682.2/12

Out: -16.826+/-0.148 χ^2/NDF :1411.2/13

All: -15.914+/-0.102 χ^2/NDF : 3167.0/26

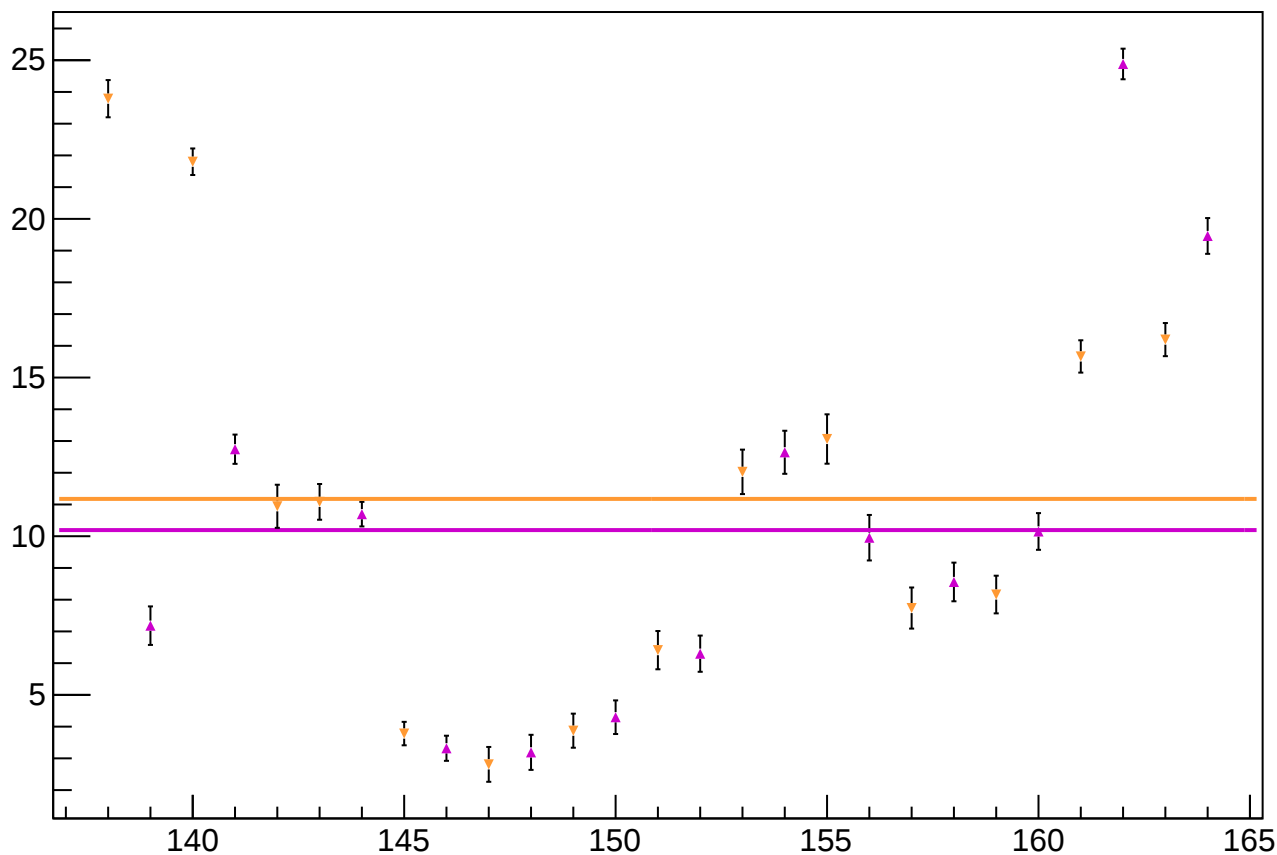
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.482 $\pm$ 0.007 χ^2 /NDF:100.2/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.459 $\pm$ 0.007 χ^2 /NDF:163.5/12

Left: 0.470 $\pm$ 0.005 χ^2 /NDF: 269.2/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.459 $\pm$ 0.007 χ^2 /NDF:163.5/12
 Out: 0.482 $\pm$ 0.007 χ^2 /NDF:100.2/13
 All: 0.470 $\pm$ 0.005 χ^2 /NDF: 269.2/26

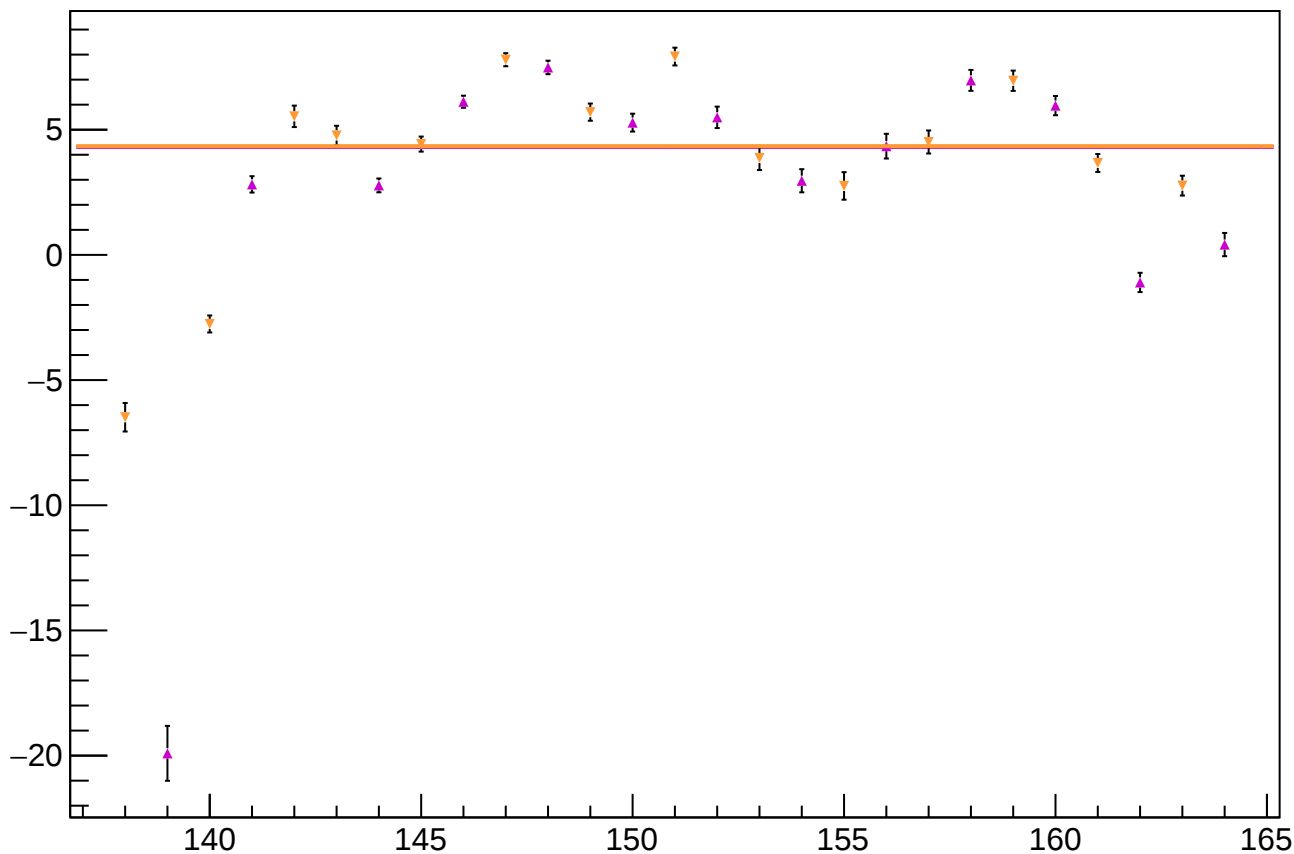
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 11.176+/-0.145 χ^2/NDF :2219.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.193+/-0.145 χ^2/NDF :1908.3/12

Left: 10.683+/-0.103 χ^2/NDF : 4150.4/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 10.193+/-0.145 χ^2/NDF :1908.3/12
 Out: 11.176+/-0.145 χ^2/NDF :2219.3/13
 All: 10.683+/-0.103 χ^2/NDF : 4150.4/26

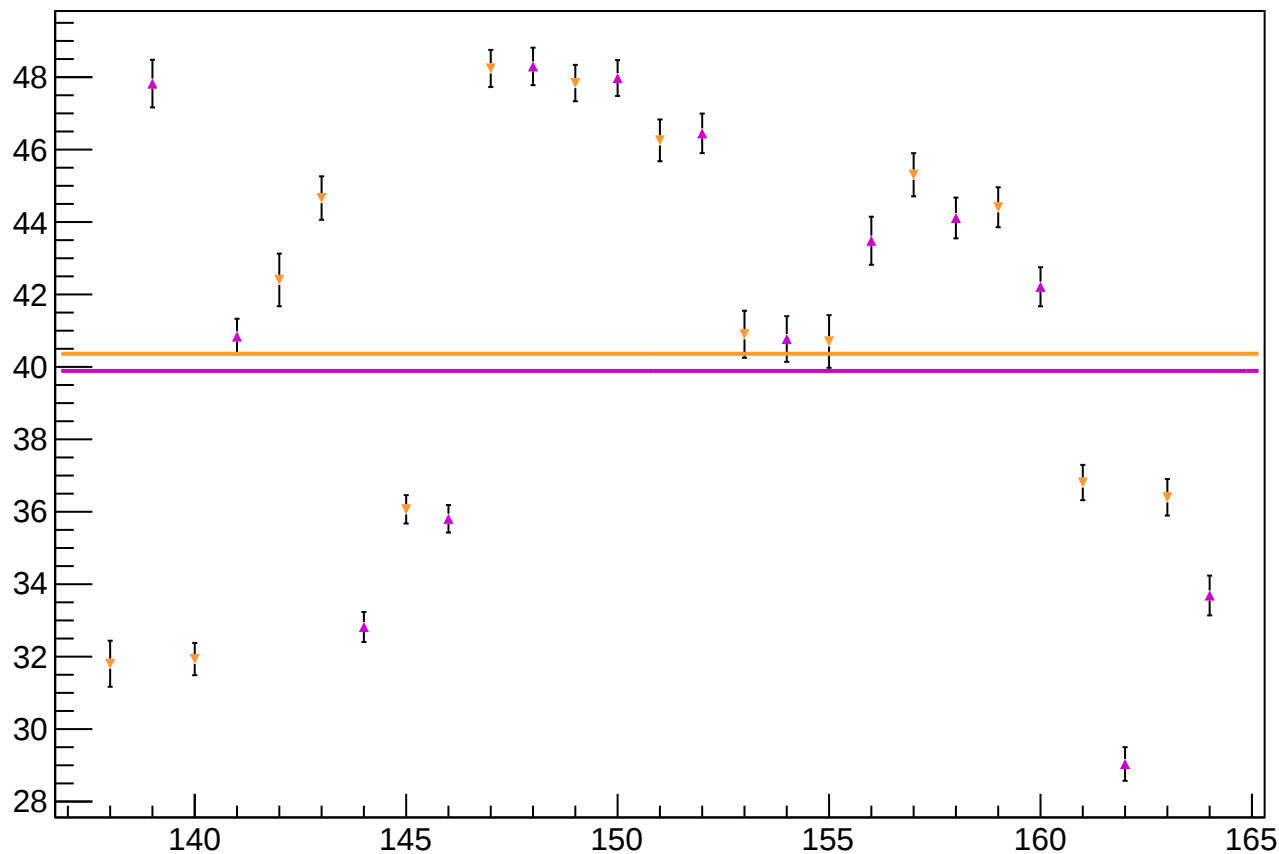
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.343 $\pm$ 0.101 χ^2 /NDF:1171.3/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.313 $\pm$ 0.100 χ^2 /NDF:1085.9/12

Left: 4.328 $\pm$ 0.071 χ^2 /NDF: 2257.3/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.313 $\pm$ 0.100 χ^2 /NDF:1085.9/12
 Out: 4.343 $\pm$ 0.101 χ^2 /NDF:1171.3/13
 All: 4.328 $\pm$ 0.071 χ^2 /NDF: 2257.3/26

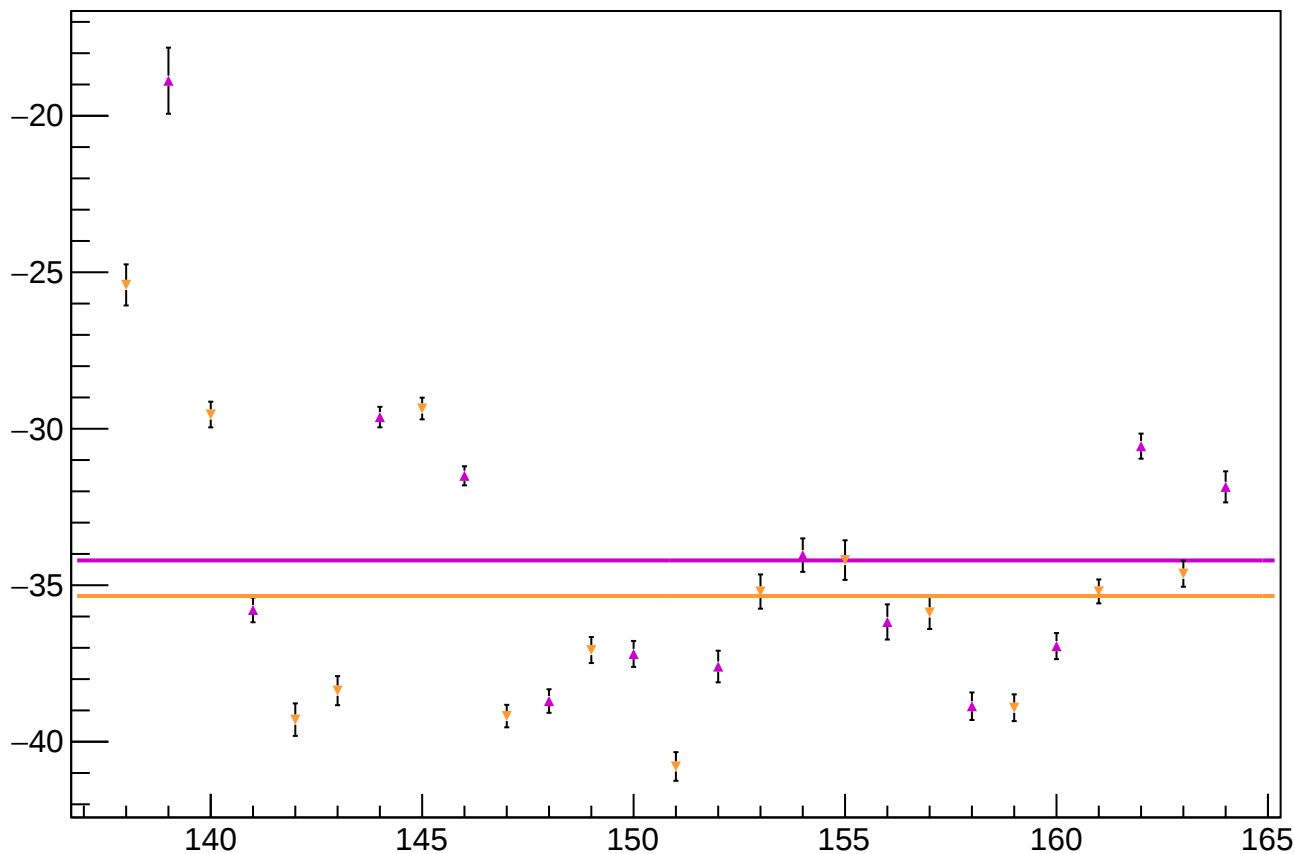
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 40.363+/-0.144 χ^2/NDF :1519.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 39.890+/-0.142 χ^2/NDF :2010.1/12

Left: 40.122+/-0.101 χ^2/NDF : 3534.9/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 39.890+/-0.142 χ^2/NDF :2010.1/12
 Out: 40.363+/-0.144 χ^2/NDF :1519.3/13
 All: 40.122+/-0.101 χ^2/NDF : 3534.9/26

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: -35.345+/-0.119 χ^2/NDF :1177.9/13

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

Left In: -34.208+/-0.118 χ^2/NDF :1013.5/12

Left: -34.772+/-0.084 χ^2/NDF : 2237.6/26

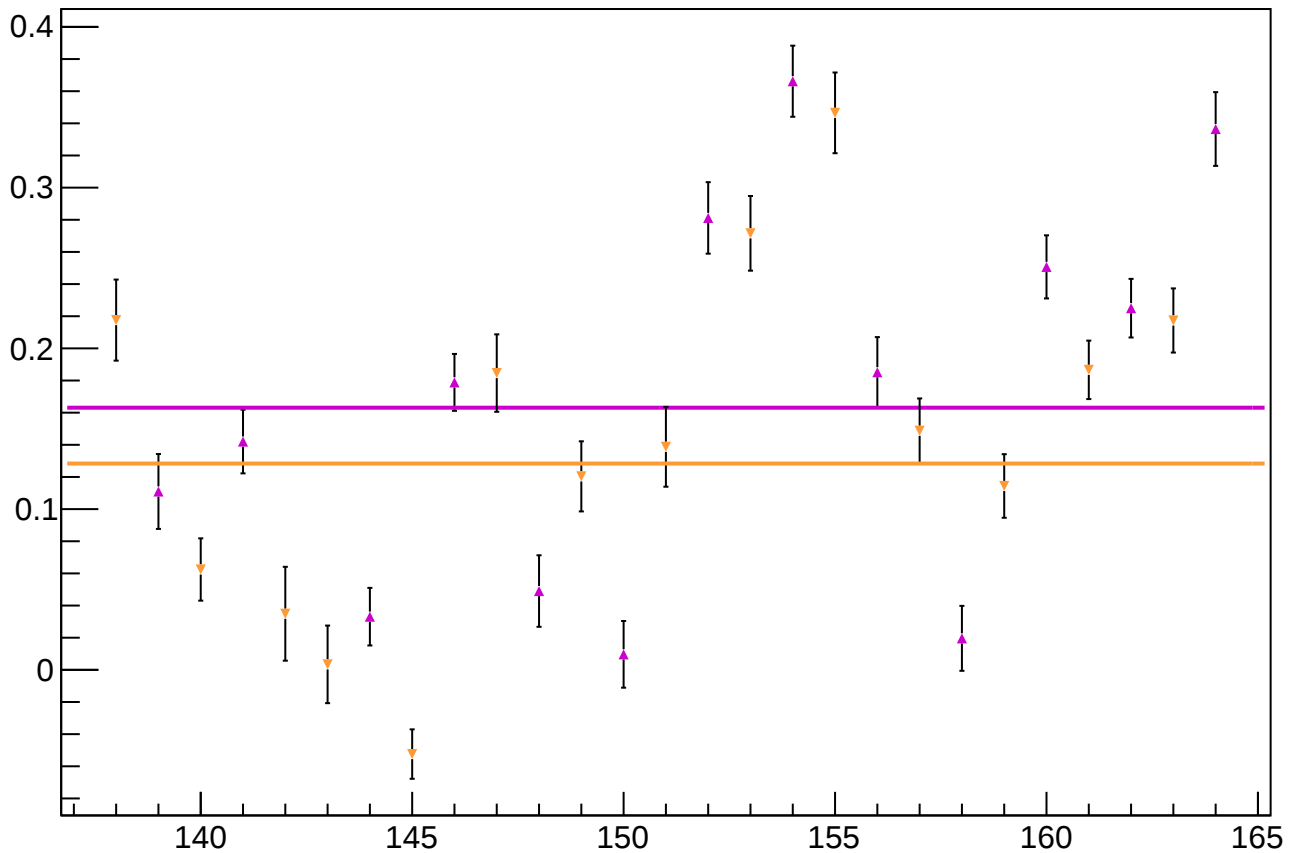
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.208+/-0.118 χ^2/NDF :1013.5/12

Out: -35.345+/-0.119 χ^2/NDF :1177.9/13

All: -34.772+/-0.084 χ^2/NDF : 2237.6/26

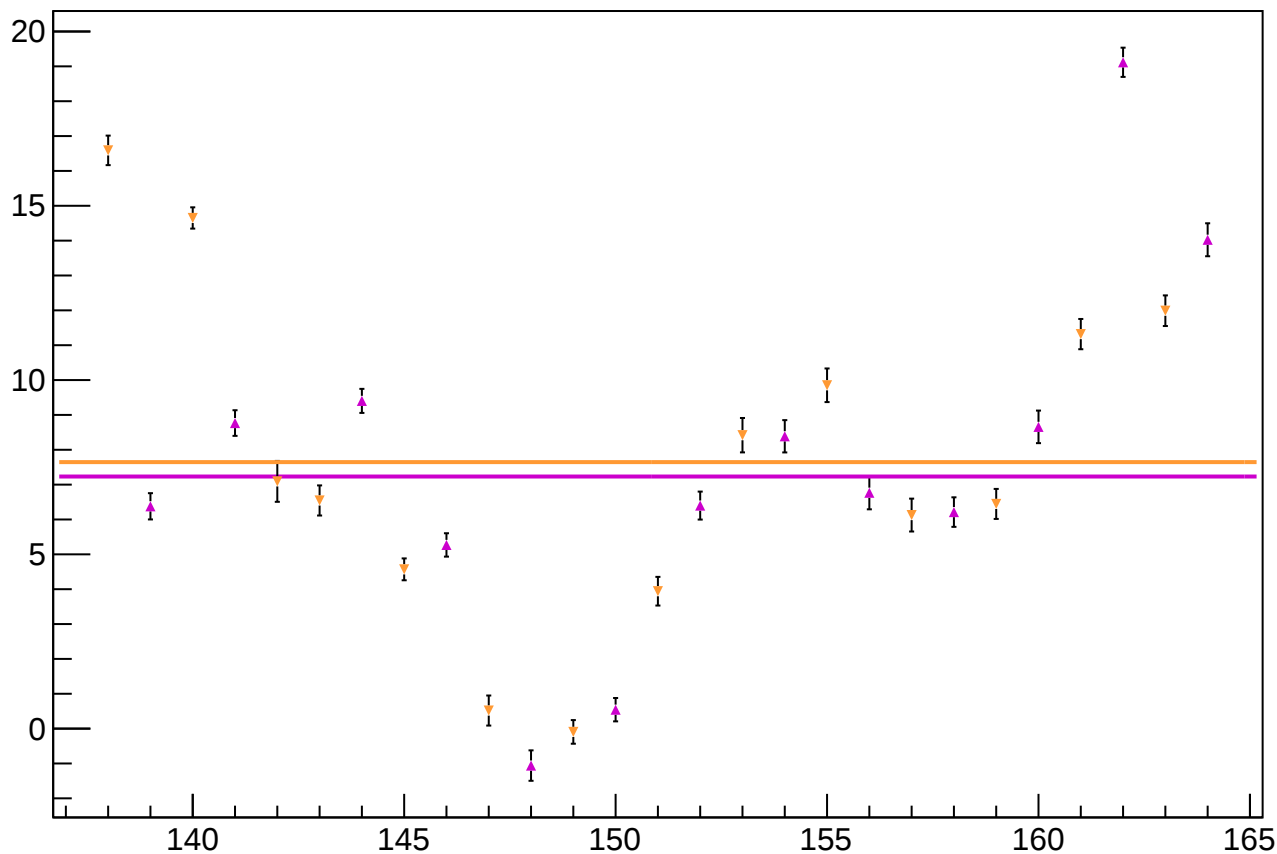
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.128+/-0.006 χ^2/NDF :350.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.163+/-0.006 χ^2/NDF :393.1/12

Left: 0.146+/-0.004 χ^2/NDF : 762.0/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.163+/-0.006 χ^2/NDF :393.1/12
 Out: 0.128+/-0.006 χ^2/NDF :350.2/13
 All: 0.146+/-0.004 χ^2/NDF : 762.0/26

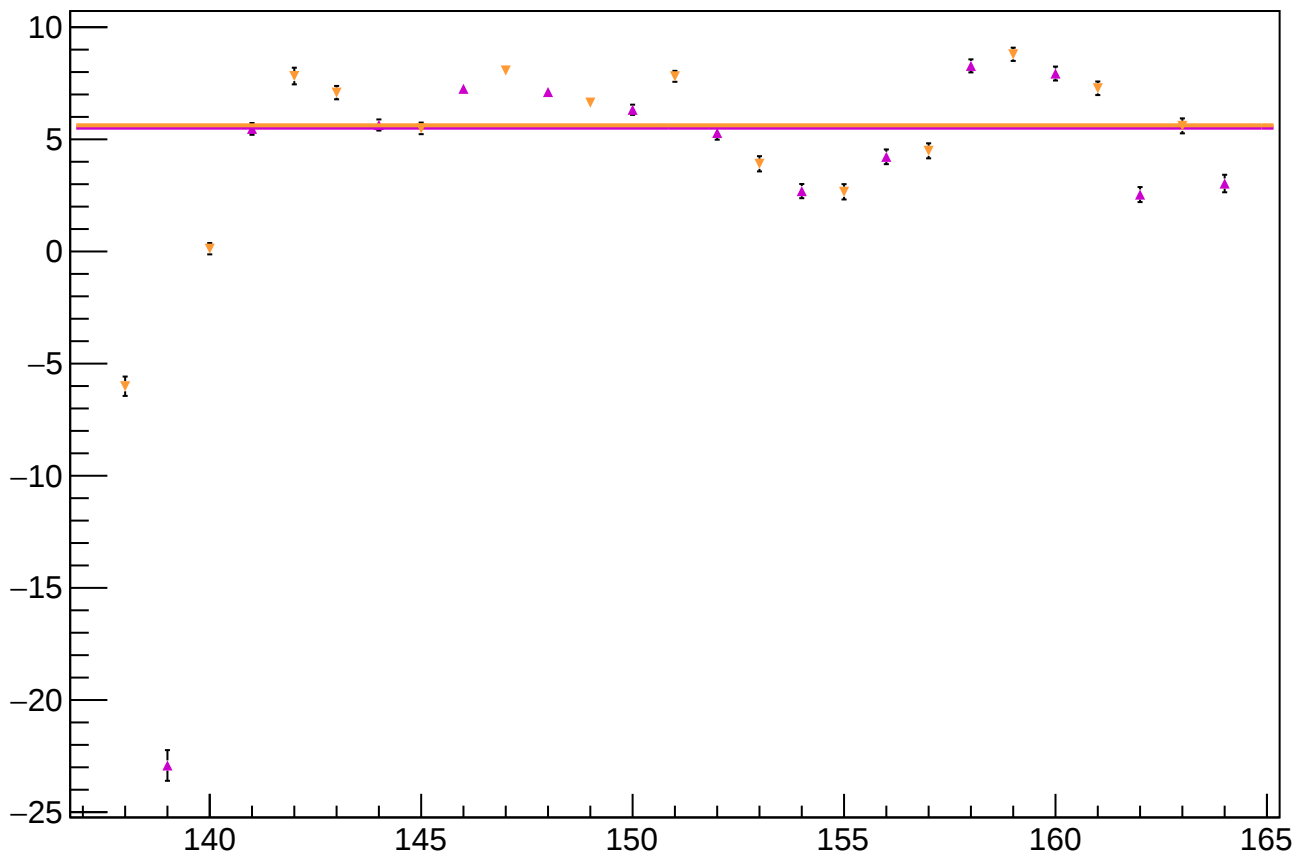
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.646+/-0.109 χ^2/NDF :2161.8/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.233+/-0.111 χ^2/NDF :1891.6/12

Left: 7.442+/-0.078 χ^2/NDF : 4060.4/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.233+/-0.111 χ^2/NDF :1891.6/12
 Out: 7.646+/-0.109 χ^2/NDF :2161.8/13
 All: 7.442+/-0.078 χ^2/NDF : 4060.4/26

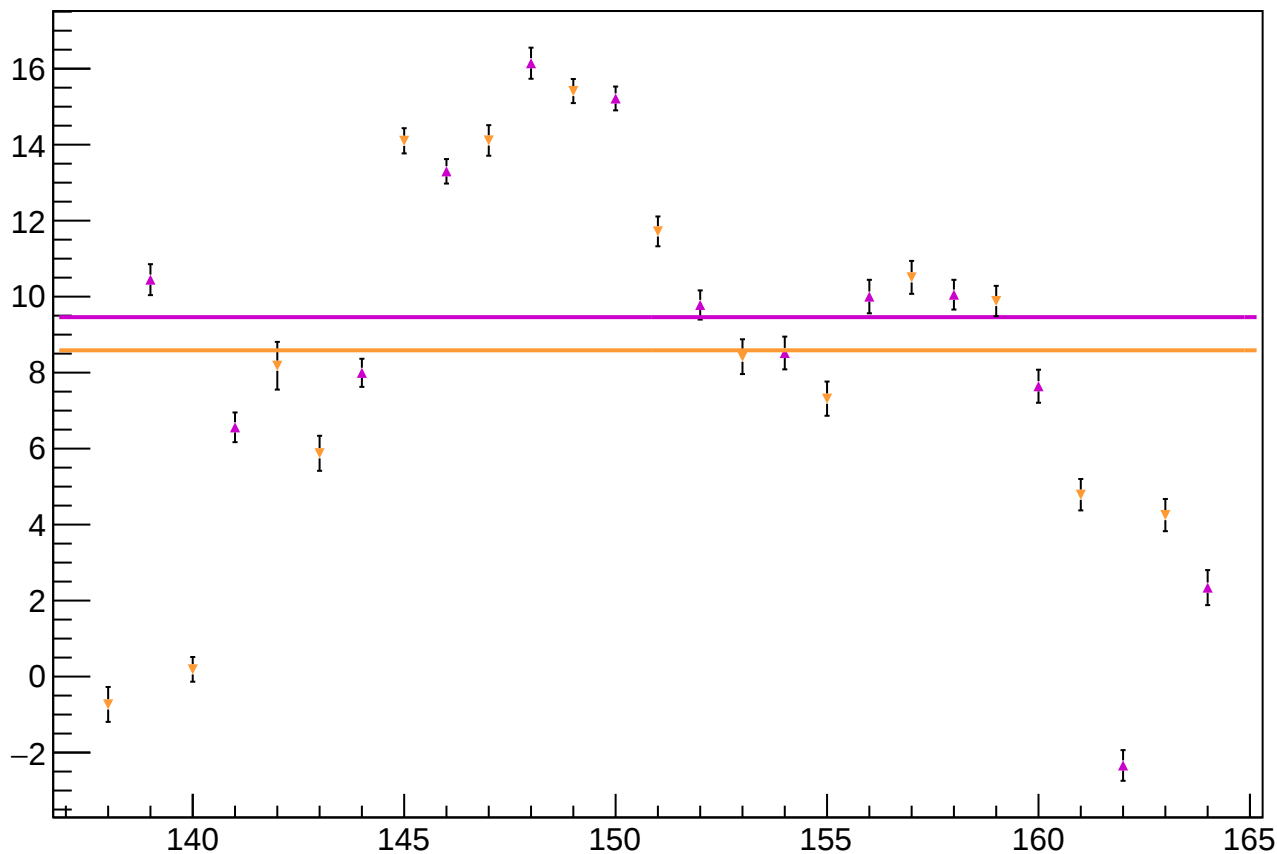
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.625+/-0.076 χ^2/NDF :1757.5/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.519+/-0.078 χ^2/NDF :2224.8/12

Left: 5.574+/-0.055 χ^2/NDF : 3983.2/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.519+/-0.078 χ^2/NDF :2224.8/12
 Out: 5.625+/-0.076 χ^2/NDF :1757.5/13
 All: 5.574+/-0.055 χ^2/NDF : 3983.2/26

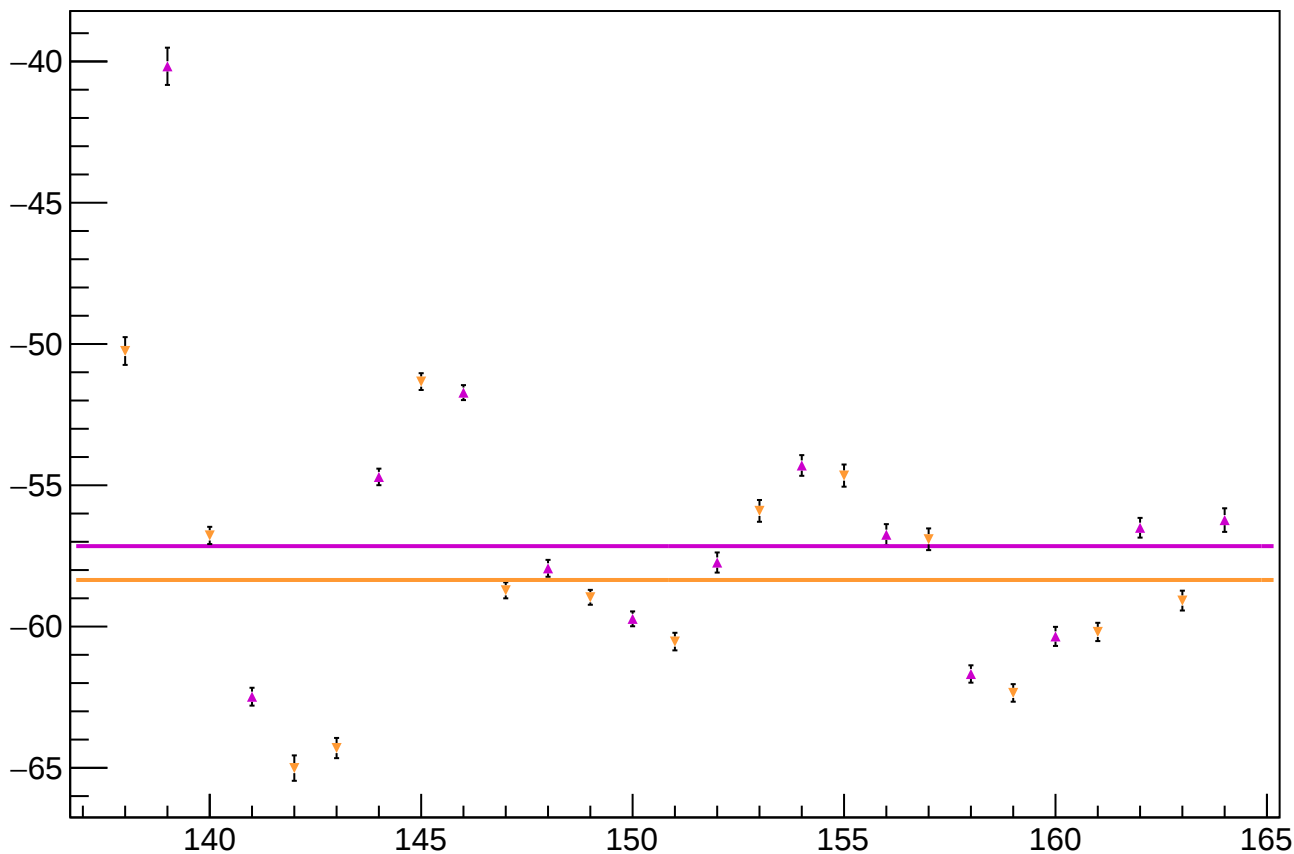
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.587+/-0.108 χ^2/NDF :2331.8/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.460+/-0.108 χ^2/NDF :1941.7/12

Left: 9.023+/-0.076 χ^2/NDF : 4306.3/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.460+/-0.108 χ^2/NDF :1941.7/12
 Out: 8.587+/-0.108 χ^2/NDF :2331.8/13
 All: 9.023+/-0.076 χ^2/NDF : 4306.3/26

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: -58.351+/-0.090 χ^2/NDF :1753.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -57.153+/-0.091 χ^2/NDF :1920.3/12

Left: -57.763+/-0.064 χ^2/NDF : 3760.9/26

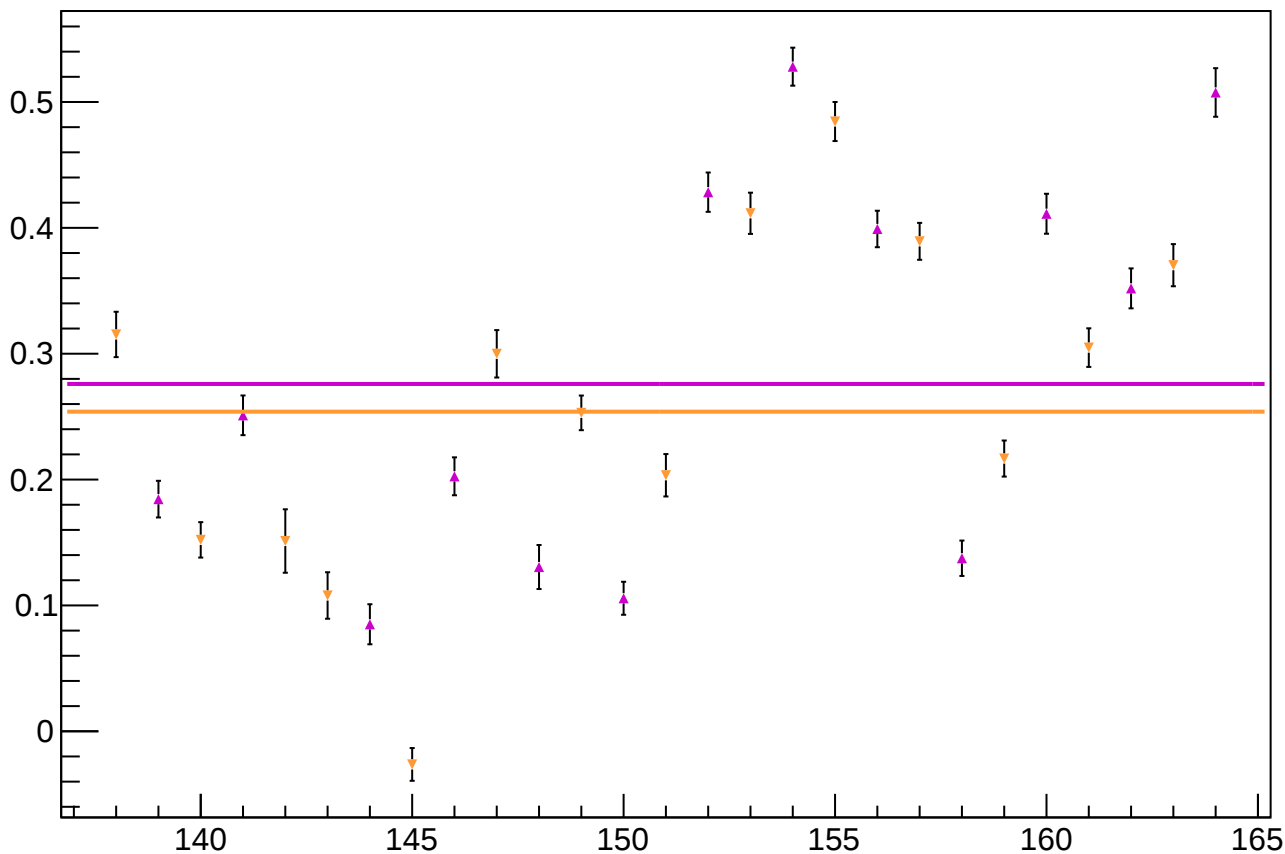
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -57.153+/-0.091 χ^2/NDF :1920.3/12

Out: -58.351+/-0.090 χ^2/NDF :1753.2/13

All: -57.763+/-0.064 χ^2/NDF : 3760.9/26

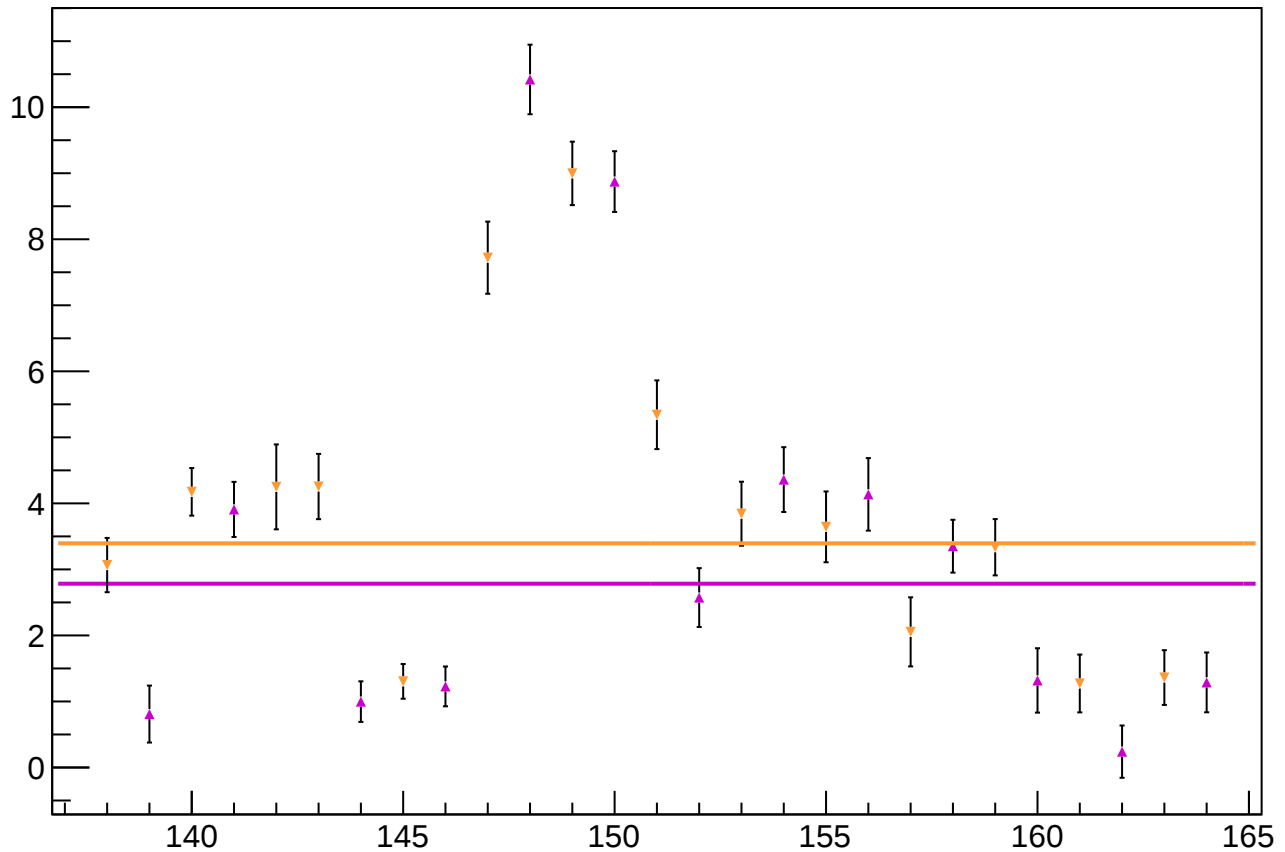
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.254+/-0.004 χ^2/NDF :1086.7/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.276+/-0.004 χ^2/NDF :1230.6/12

Left: 0.265+/-0.003 χ^2/NDF : 2330.7/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.276+/-0.004 χ^2/NDF :1230.6/12
 Out: 0.254+/-0.004 χ^2/NDF :1086.7/13
 All: 0.265+/-0.003 χ^2/NDF : 2330.7/26

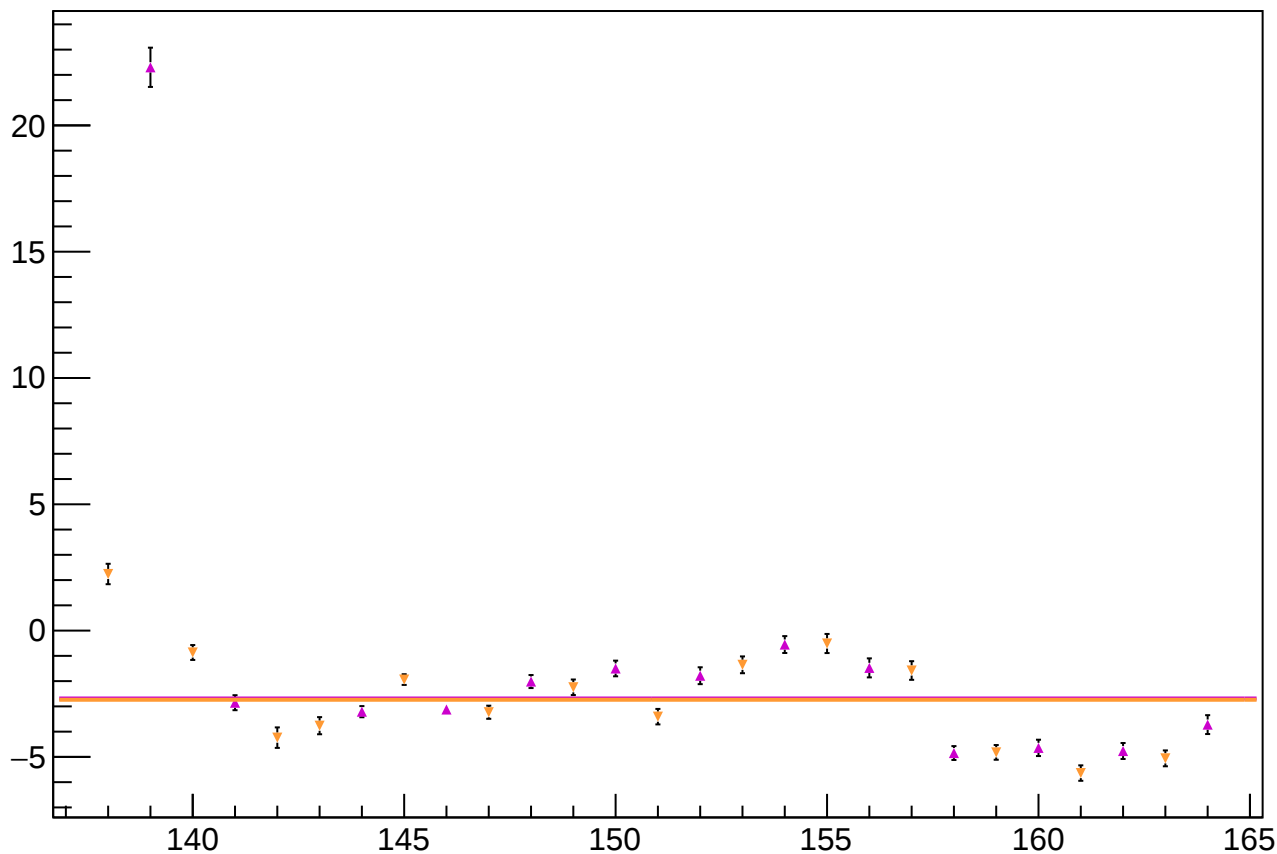
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.395+/-0.116 χ^2/NDF :341.1/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.784+/-0.115 χ^2/NDF :554.0/12

Left: 3.086+/-0.082 χ^2/NDF : 909.0/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.784+/-0.115 χ^2/NDF :554.0/12
 Out: 3.395+/-0.116 χ^2/NDF :341.1/13
 All: 3.086+/-0.082 χ^2/NDF : 909.0/26

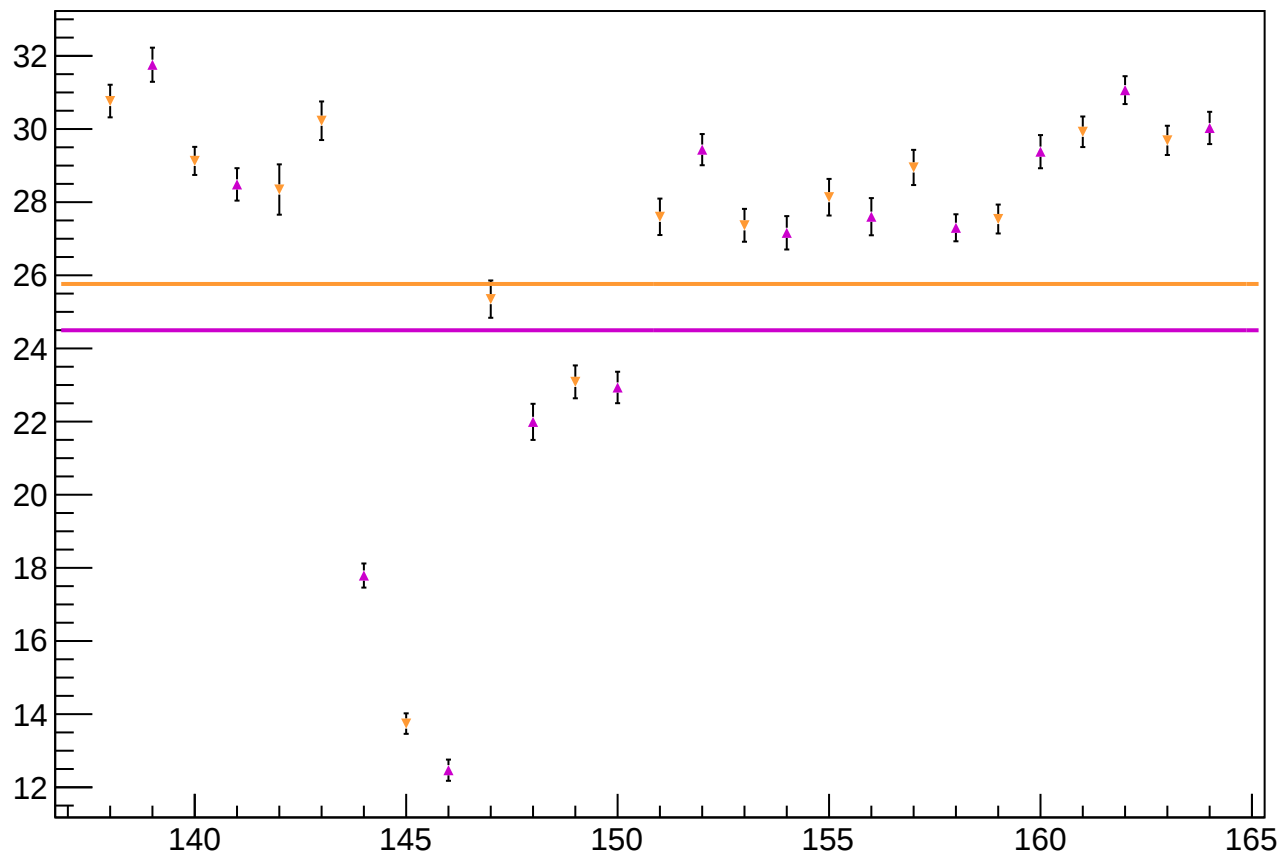
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.737+/-0.083 χ^2/NDF : 497.5/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.688+/-0.081 χ^2/NDF : 1274.0/12

Left: -2.712+/-0.058 χ^2/NDF : 1771.7/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.688+/-0.081 χ^2/NDF : 1274.0/12
 Out: -2.737+/-0.083 χ^2/NDF : 497.5/13
 All: -2.712+/-0.058 χ^2/NDF : 1771.7/26

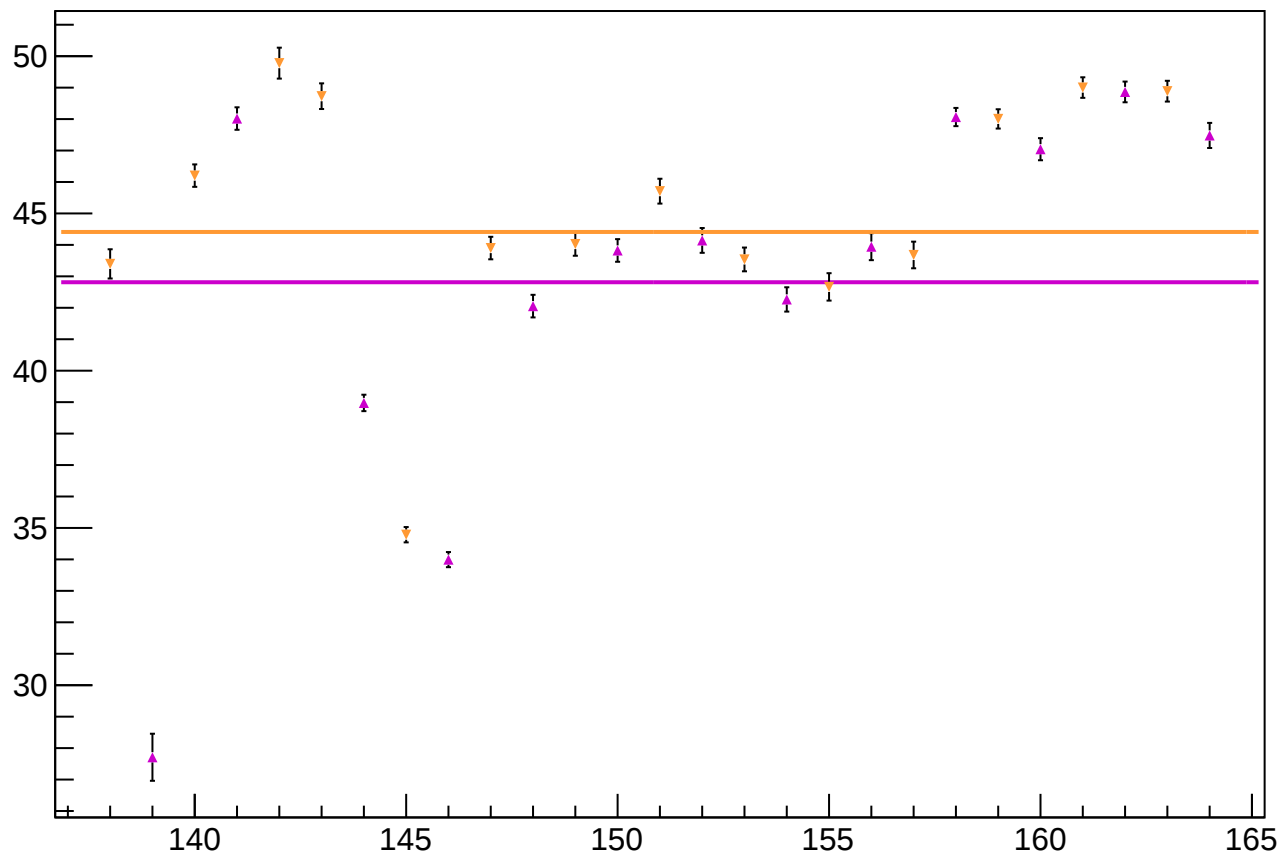
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 25.763+/-0.116 χ^2/NDF :2471.5/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 24.497+/-0.113 χ^2/NDF :3328.7/12

Left: 25.114+/-0.081 χ^2/NDF : 5861.6/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 24.497+/-0.113 χ^2/NDF :3328.7/12
 Out: 25.763+/-0.116 χ^2/NDF :2471.5/13
 All: 25.114+/-0.081 χ^2/NDF : 5861.6/26

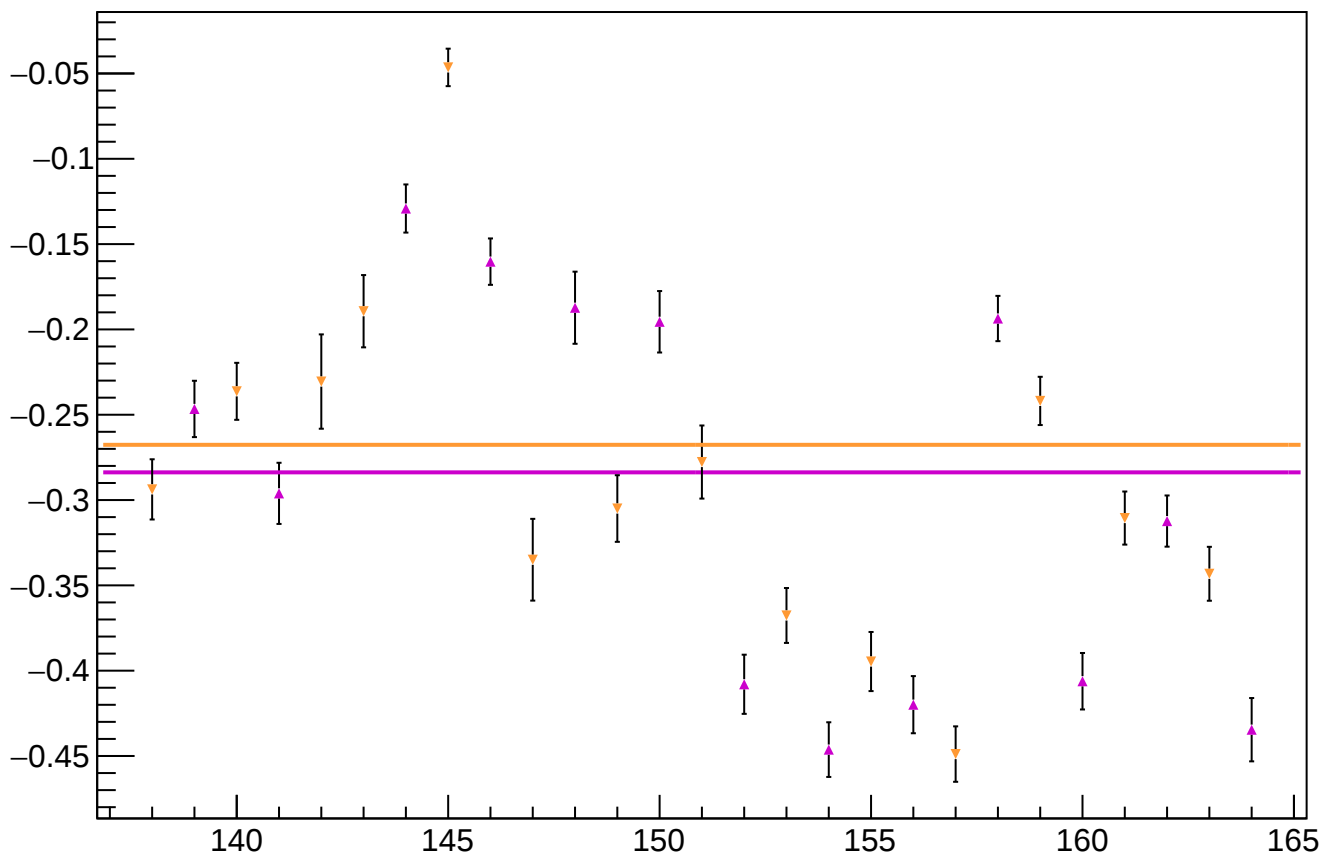
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 44.411+/-0.096 χ^2/NDF :2374.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 42.812+/-0.095 χ^2/NDF :3160.7/12

Left: 43.600+/-0.068 χ^2/NDF : 5674.8/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 42.812+/-0.095 χ^2/NDF :3160.7/12
 Out: 44.411+/-0.096 χ^2/NDF :2374.2/13
 All: 43.600+/-0.068 χ^2/NDF : 5674.8/26

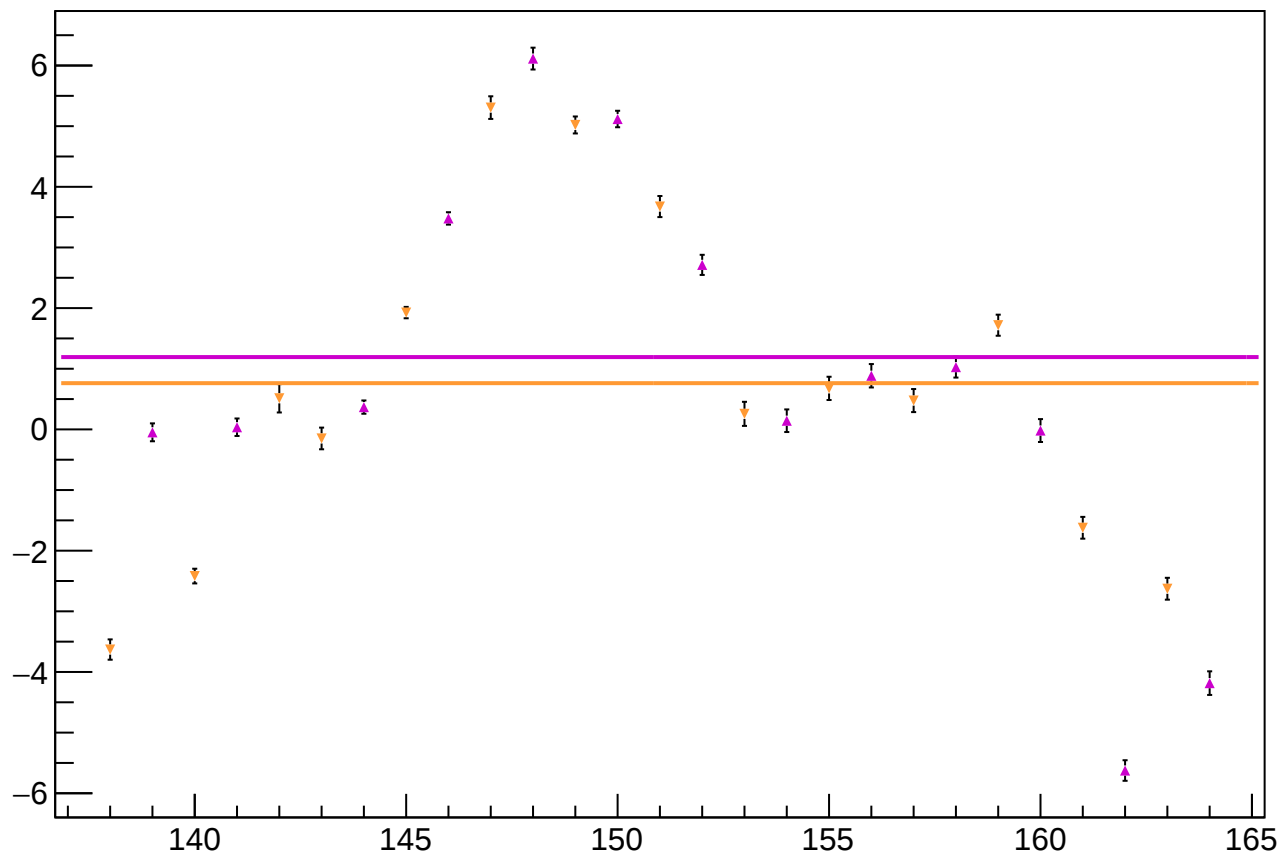
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.268+/-0.005 χ^2/NDF : 689.1/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.284+/-0.004 χ^2/NDF : 643.8/12

Left: -0.276+/-0.003 χ^2/NDF : 1339.4/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.284+/-0.004 χ^2/NDF : 643.8/12
 Out: -0.268+/-0.005 χ^2/NDF : 689.1/13
 All: -0.276+/-0.003 χ^2/NDF : 1339.4/26

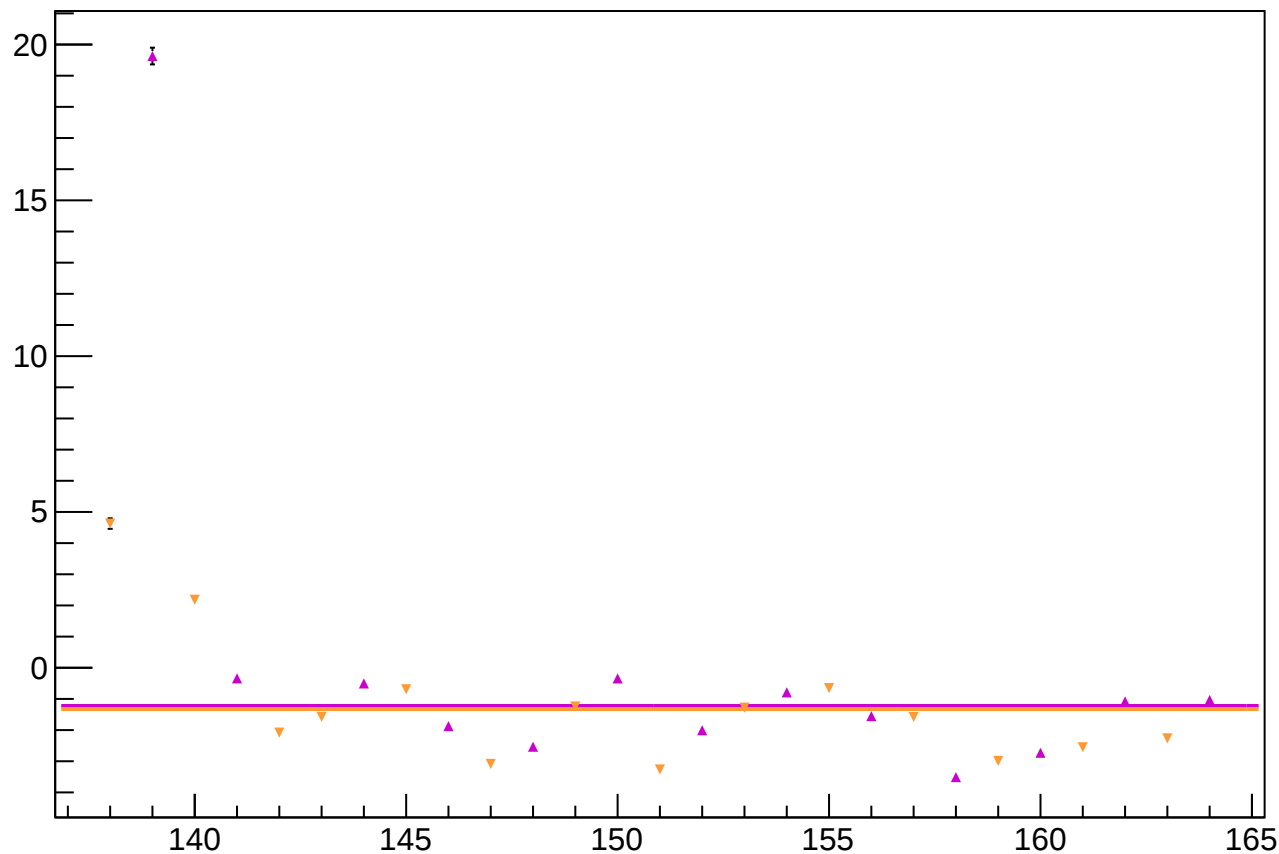
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.762 $\pm$ 0.042 χ^2 /NDF:3925.8/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.192 $\pm$ 0.042 χ^2 /NDF:4811.6/12

Left: 0.981 $\pm$ 0.030 χ^2 /NDF: 8789.5/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.192 $\pm$ 0.042 χ^2 /NDF:4811.6/12
 Out: 0.762 $\pm$ 0.042 χ^2 /NDF:3925.8/13
 All: 0.981 $\pm$ 0.030 χ^2 /NDF: 8789.5/26

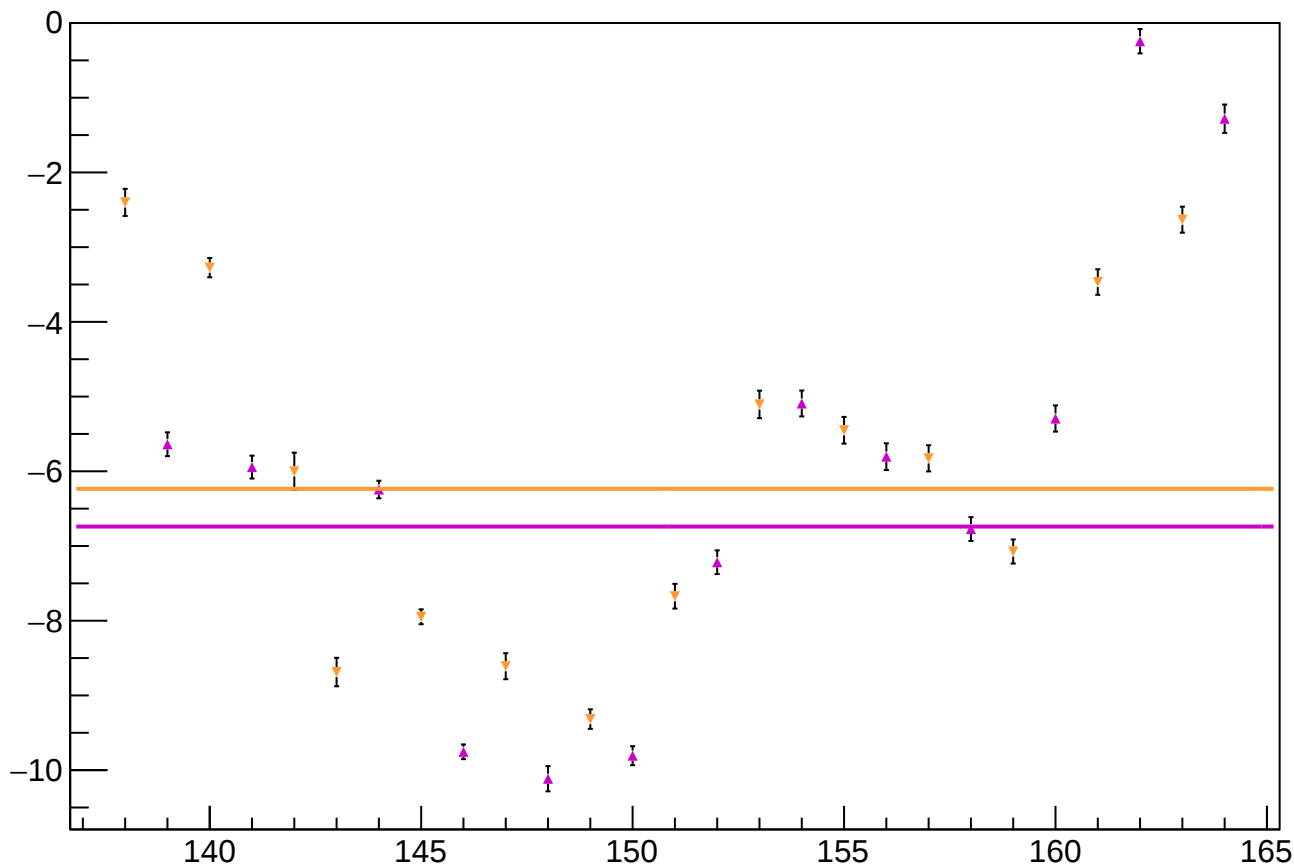
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.325+/-0.030 χ^2/NDF : 3674.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.227+/-0.029 χ^2/NDF : 7146.2/12

Left: -1.275+/-0.021 χ^2/NDF : 10825.8/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.227+/-0.029 χ^2/NDF : 7146.2/12
 Out: -1.325+/-0.030 χ^2/NDF : 3674.3/13
 All: -1.275+/-0.021 χ^2/NDF : 10825.8/26

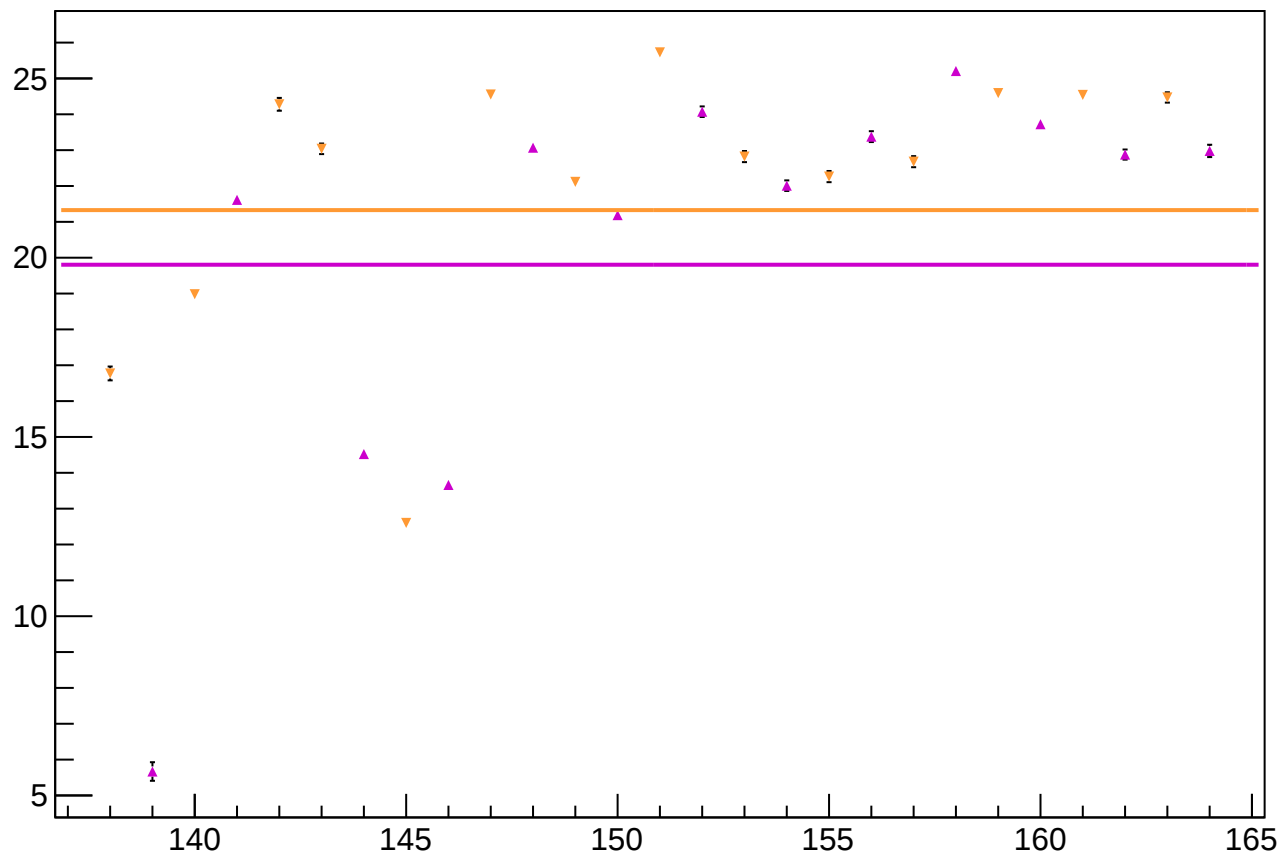
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.235+/-0.042 χ^2/NDF :3028.7/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.740+/-0.041 χ^2/NDF :4616.4/12

Left: -6.495+/-0.029 χ^2/NDF : 7718.7/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.740+/-0.041 χ^2/NDF :4616.4/12
 Out: -6.235+/-0.042 χ^2/NDF :3028.7/13
 All: -6.495+/-0.029 χ^2/NDF : 7718.7/26

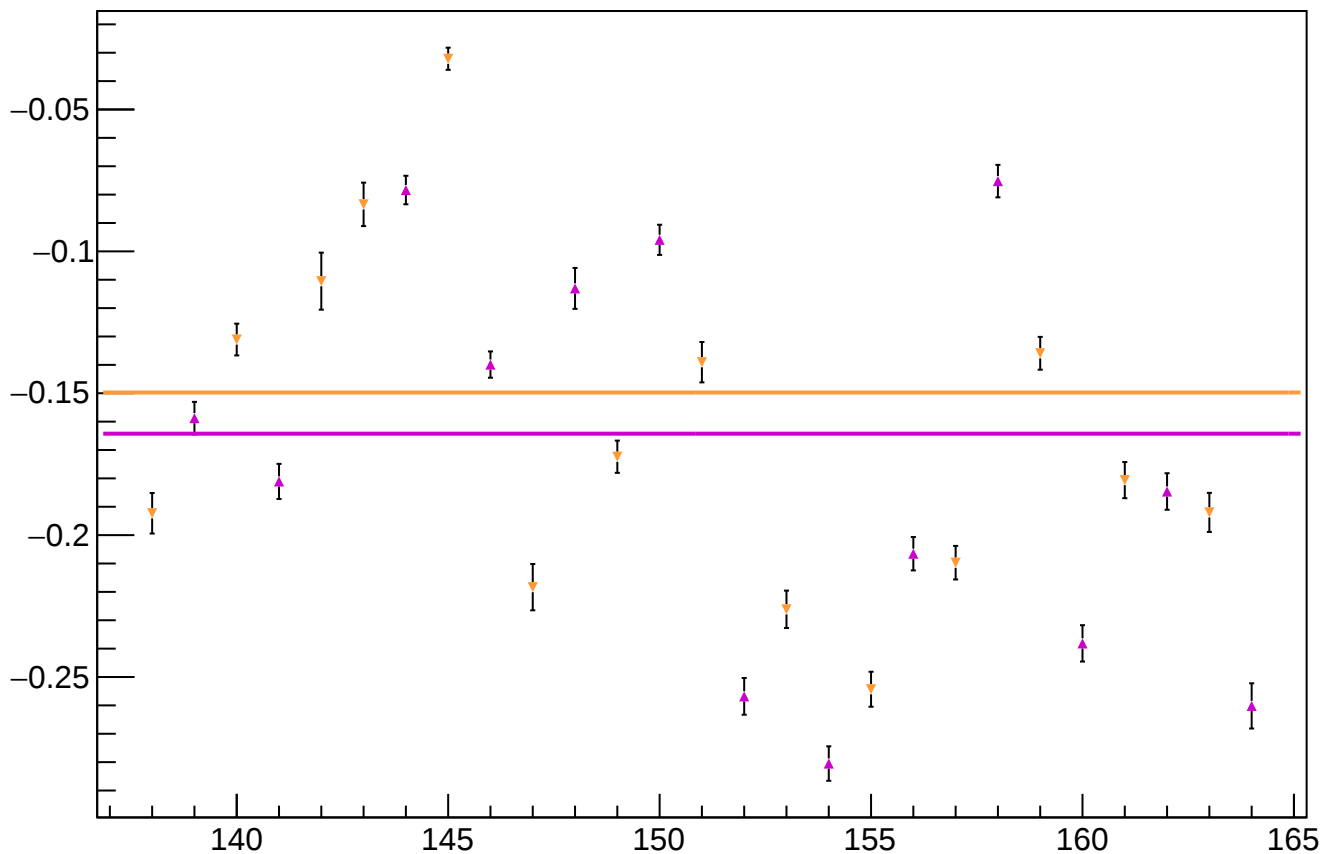
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 21.328+/-0.035 χ^2/NDF :14909.5/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 19.804+/-0.035 χ^2/NDF :17979.2/12

Left: 20.550+/-0.025 χ^2/NDF : 33837.9/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 19.804+/-0.035 χ^2/NDF :17979.2/12
 Out: 21.328+/-0.035 χ^2/NDF :14909.5/13
 All: 20.550+/-0.025 χ^2/NDF : 33837.9/26

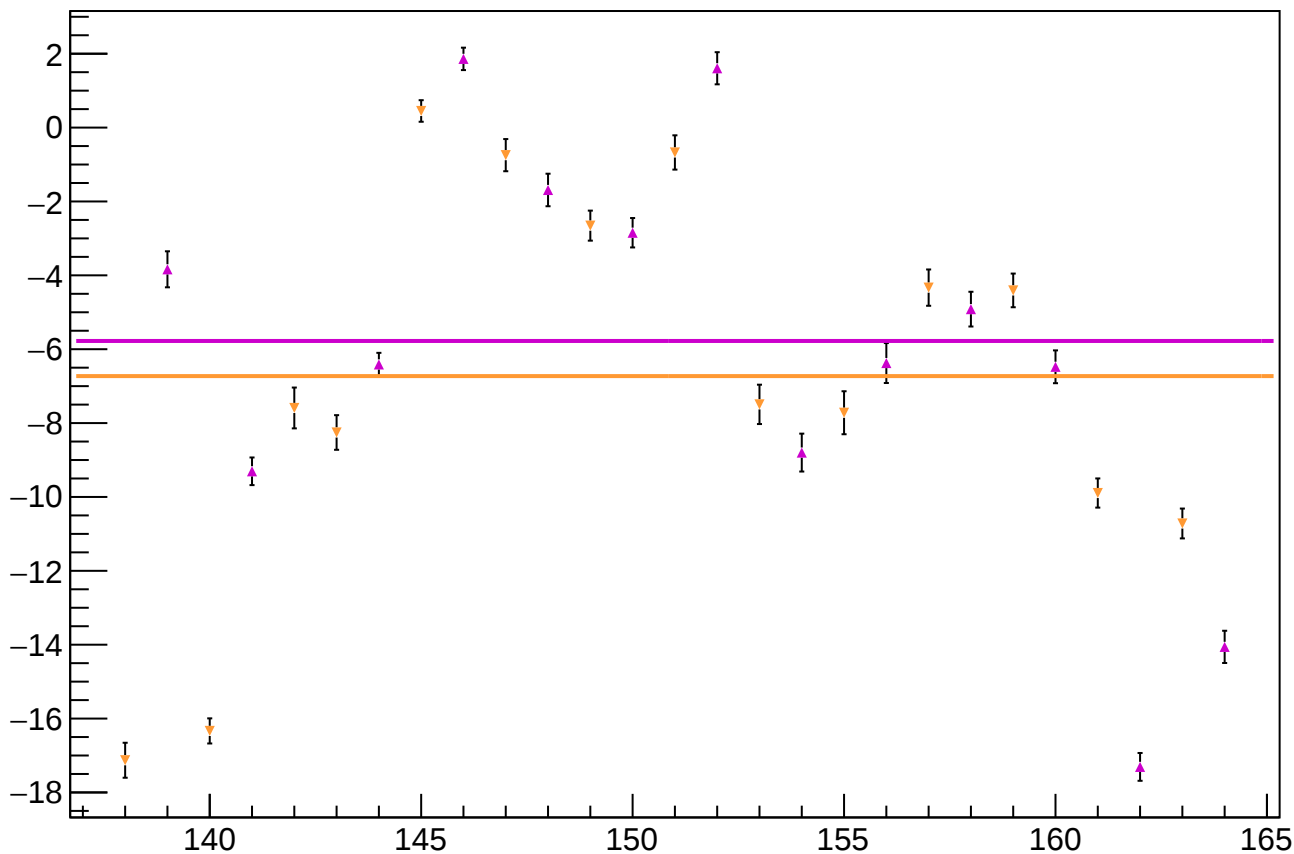
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.150+/-0.002 χ^2/NDF :1723.0/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.164+/-0.002 χ^2/NDF :1695.3/12

Left: -0.157+/-0.001 χ^2/NDF : 3457.0/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.164+/-0.002 χ^2/NDF :1695.3/12
 Out: -0.150+/-0.002 χ^2/NDF :1723.0/13
 All: -0.157+/-0.001 χ^2/NDF : 3457.0/26

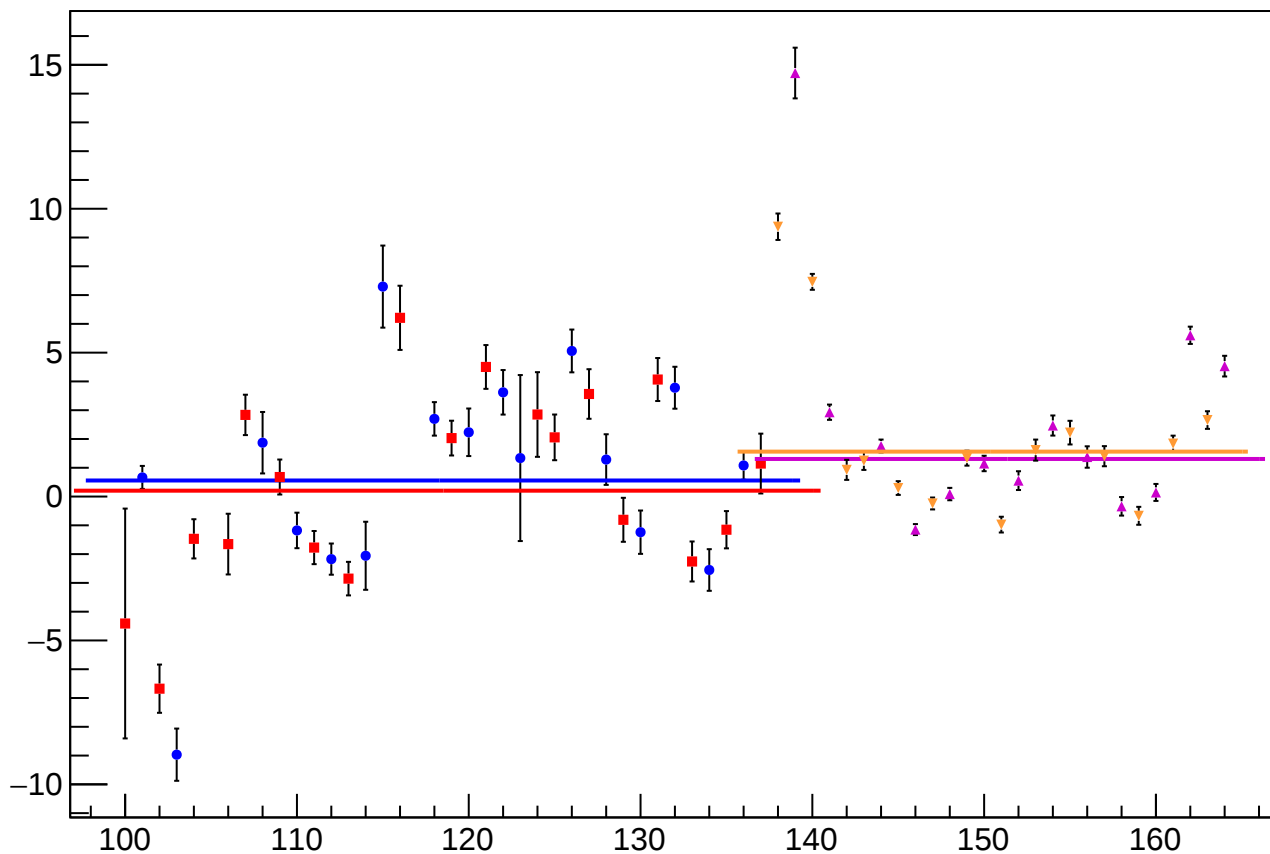
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.728+/-0.114 χ^2/NDF :2573.6/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.777+/-0.113 χ^2/NDF :2510.8/12

Left: -6.247+/-0.080 χ^2/NDF : 5119.5/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -5.777+/-0.113 χ^2/NDF :2510.8/12
 Out: -6.728+/-0.114 χ^2/NDF :2573.6/13
 All: -6.247+/-0.080 χ^2/NDF : 5119.5/26

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: 1.561 ± 0.079 χ^2/NDF : 1007.7/13

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

Left In: 1.306 ± 0.078 χ^2/NDF : 814.3/12

Left: 1.432 ± 0.056 χ^2/NDF : 1827.3/26

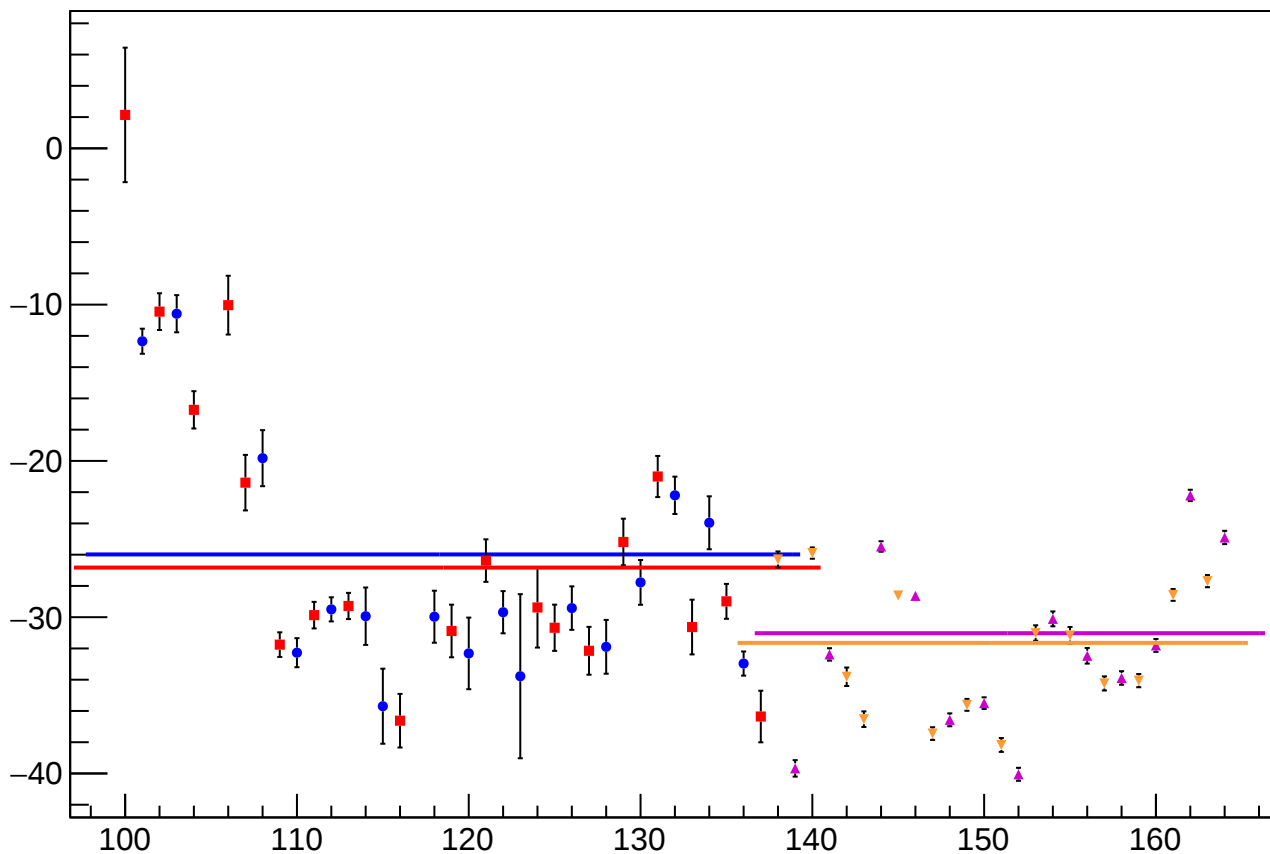
Right: 0.386 ± 0.122 χ^2/NDF : 562.1/35

In: 1.175 ± 0.071 χ^2/NDF : 1118.2/29

Out: 1.330 ± 0.072 χ^2/NDF : 1329.9/32

All: 1.252 ± 0.051 χ^2/NDF : 2450.4/62

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: -31.644 ± 0.113 χ^2/NDF : 1330.5/13

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

Left In: -31.023 ± 0.110 χ^2/NDF : 2272.9/12

Left: -31.326 ± 0.079 χ^2/NDF : 3618.8/26

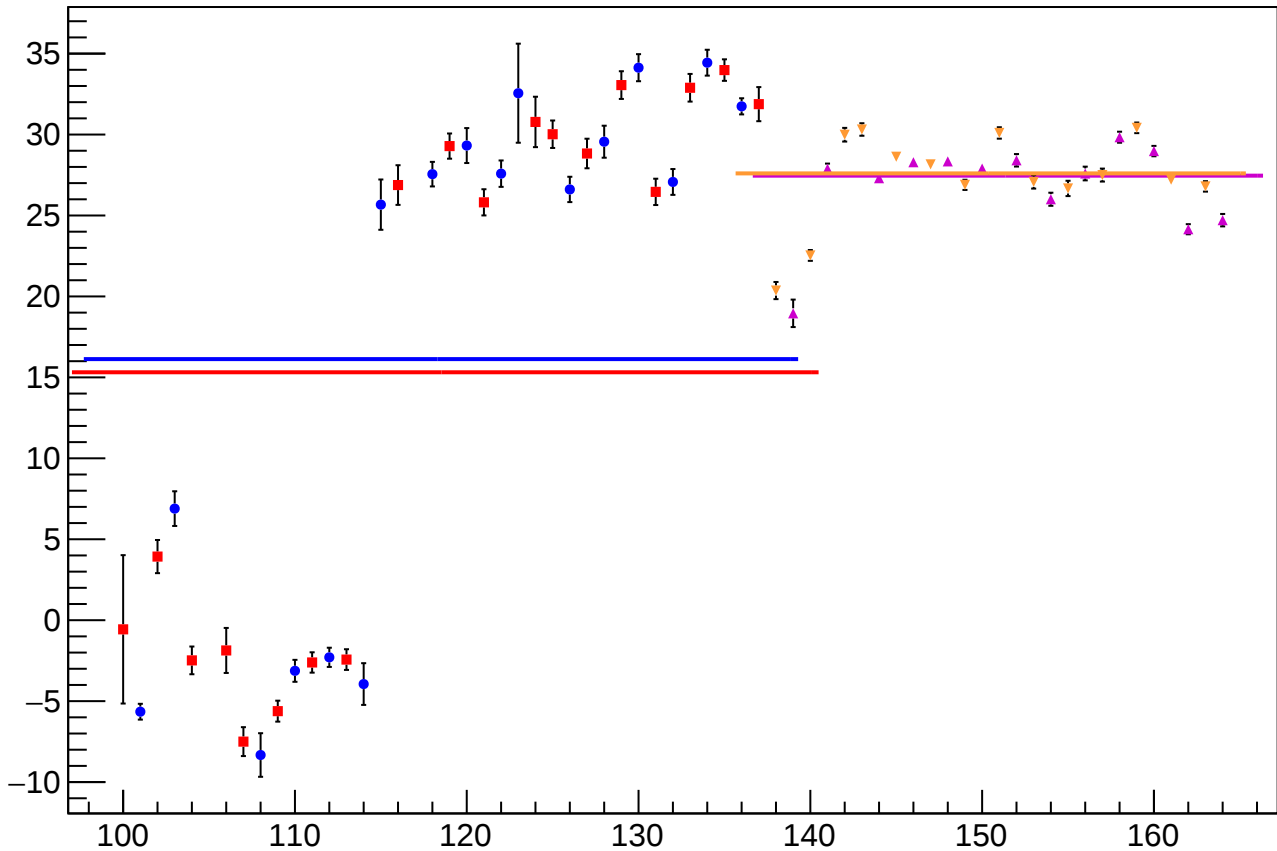
Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35

In: -30.424 ± 0.104 χ^2/NDF : 3212.2/29

Out: -31.037 ± 0.106 χ^2/NDF : 2141.2/32

All: -30.725 ± 0.074 χ^2/NDF : 5370.6/62

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: 27.600 $\pm$ 0.093 χ^2 /NDF:657.6/13

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

Left In: 27.461 $\pm$ 0.092 χ^2 /NDF:378.8/12

Left: 27.530 $\pm$ 0.065 χ^2 /NDF: 1037.6/26

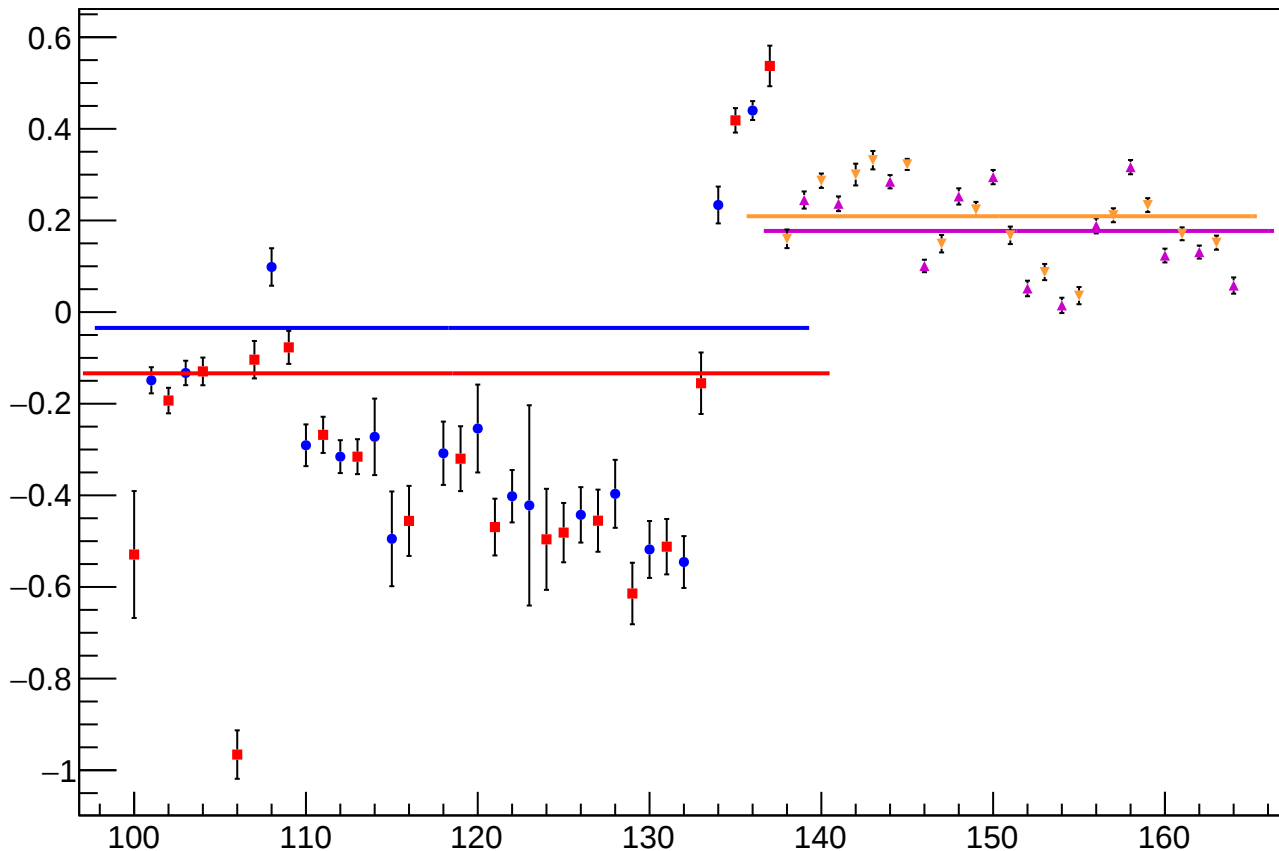
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 25.345 $\pm$ 0.083 χ^2 /NDF:10782.7/29

Out: 25.356 $\pm$ 0.084 χ^2 /NDF:11113.7/32

All: 25.351 $\pm$ 0.059 χ^2 /NDF: 21896.4/62

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: 0.209 ± 0.004 χ^2/NDF : 340.8/13

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

Left In: 0.177 ± 0.004 χ^2/NDF : 485.6/12

Left: 0.193 ± 0.003 χ^2/NDF : 852.6/26

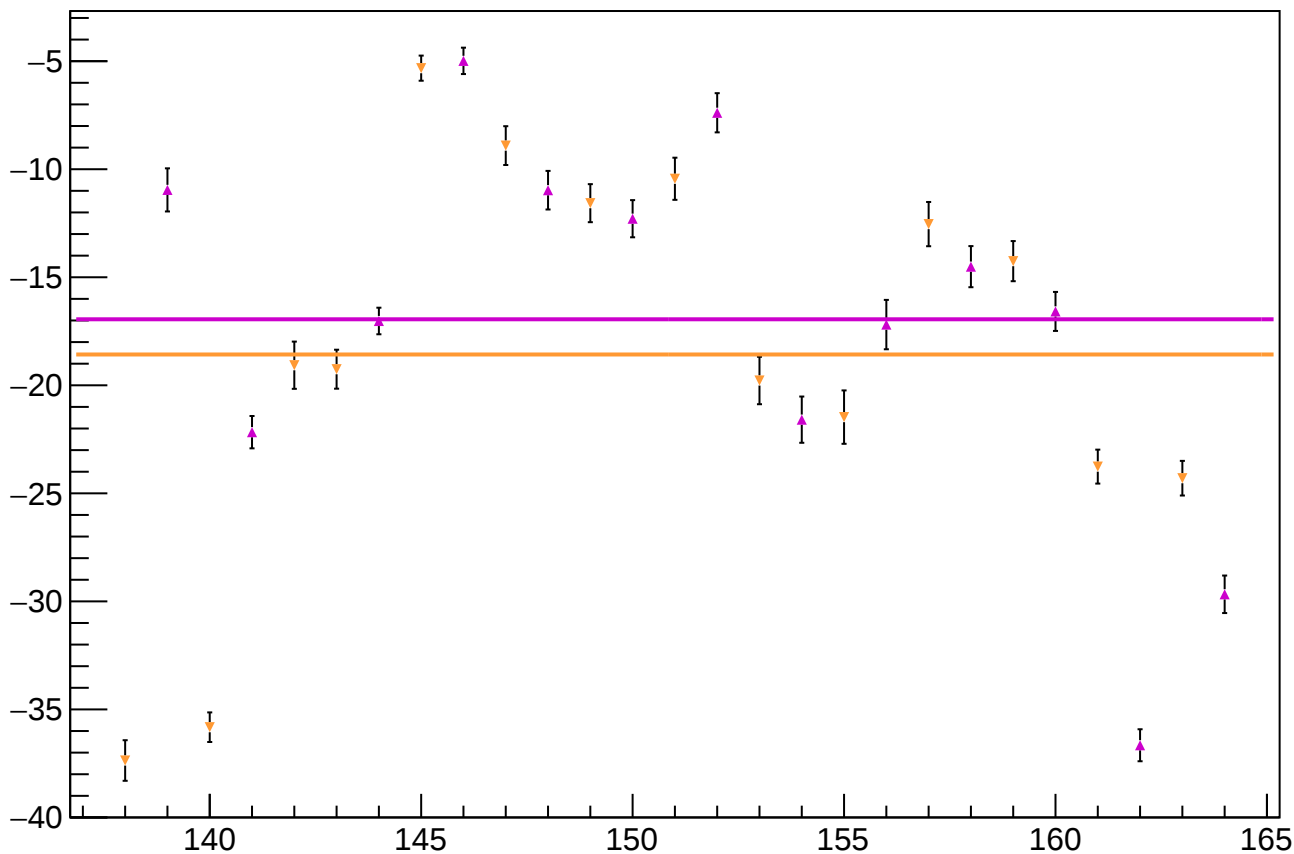
Right: -0.084 ± 0.007 χ^2/NDF : 2219.2/35

In: 0.145 ± 0.004 χ^2/NDF : 1852.5/29

Out: 0.156 ± 0.004 χ^2/NDF : 2425.2/32

All: 0.150 ± 0.003 χ^2/NDF : 4281.6/62

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: -18.574+/-0.232 χ^2/NDF :1961.2/13

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

Left In: -16.945+/-0.229 χ^2/NDF :1602.8/12

Left: -17.751+/-0.163 χ^2/NDF : 3589.0/26

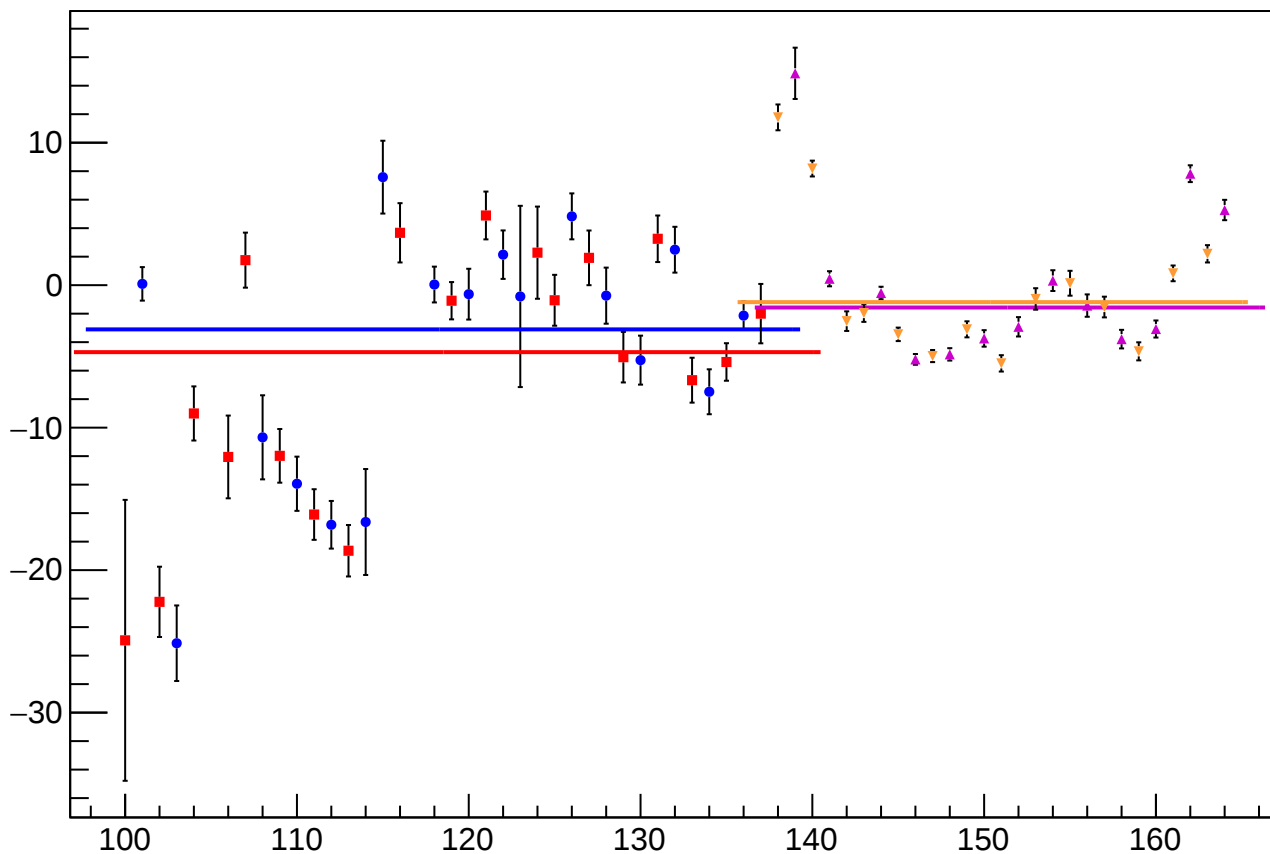
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -16.945+/-0.229 χ^2/NDF :1602.8/12

Out: -18.574+/-0.232 χ^2/NDF :1961.2/13

All: -17.751+/-0.163 χ^2/NDF : 3589.0/26

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -1.191 ± 0.160 χ^2/NDF : 741.3/13

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

Left In: -1.569 ± 0.158 χ^2/NDF : 641.3/12

Left: -1.383 ± 0.113 χ^2/NDF : 1385.4/26

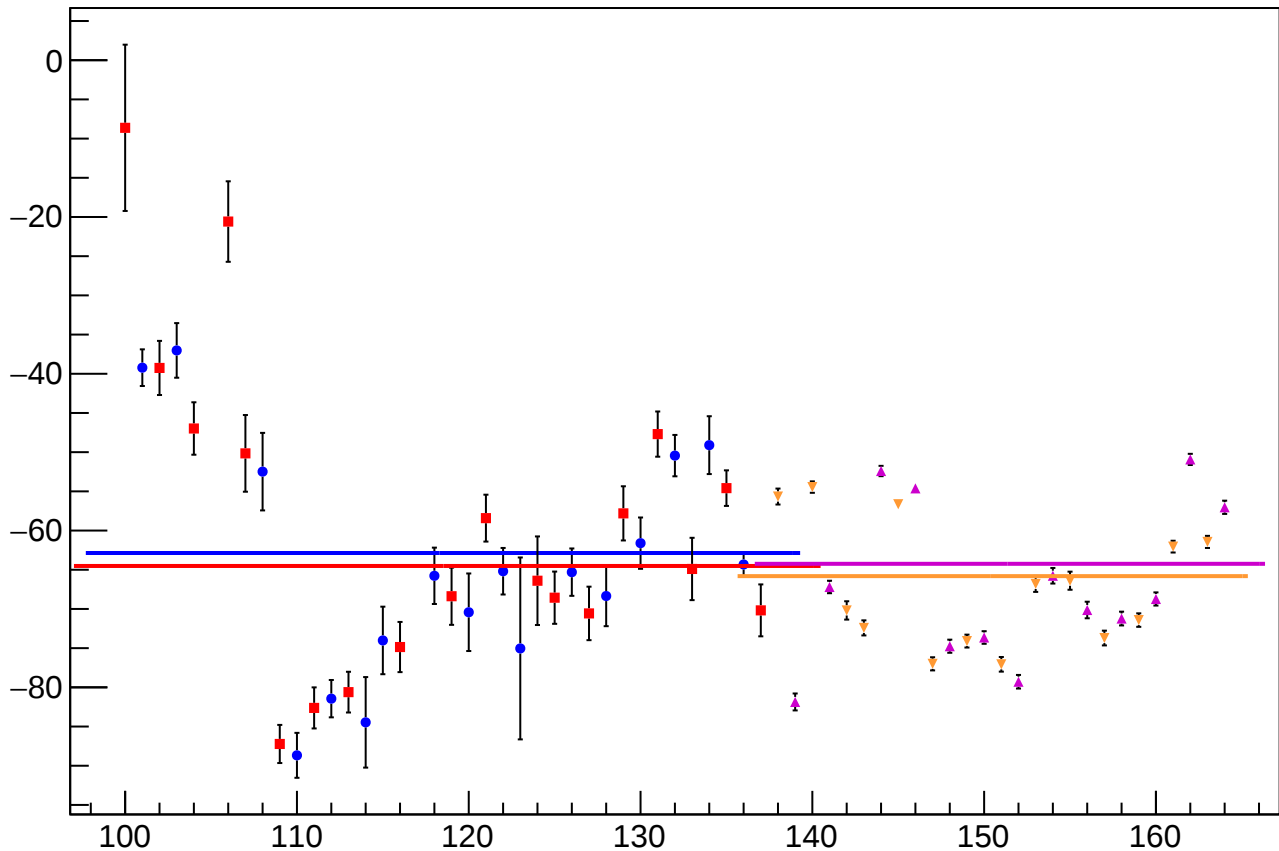
Right: -3.873 ± 0.296 χ^2/NDF : 584.0/35

In: -1.767 ± 0.148 χ^2/NDF : 932.6/29

Out: -1.626 ± 0.150 χ^2/NDF : 1098.2/32

All: -1.698 ± 0.105 χ^2/NDF : 2031.2/62

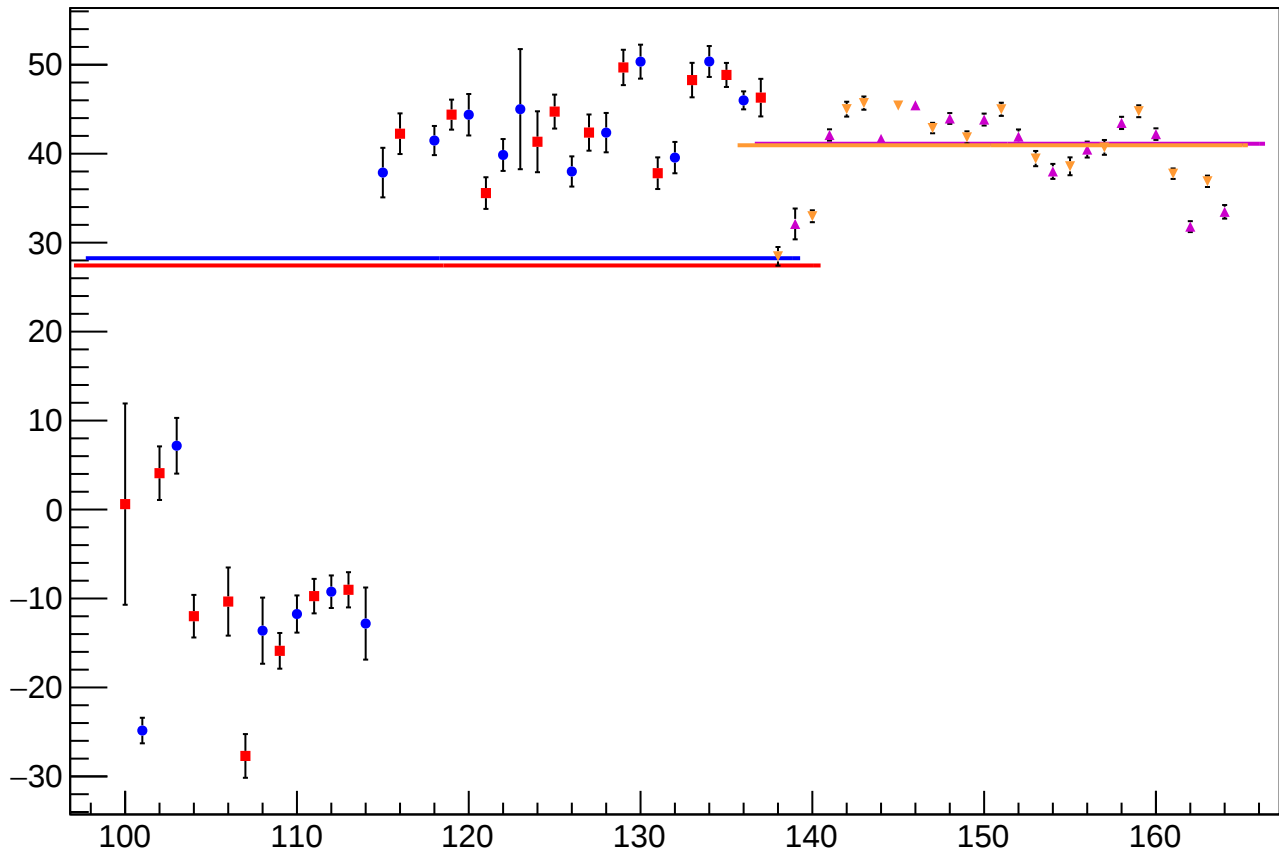
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 $\chi^2/\text{NDF}: 368.7/16$
 Left Out: -65.813 ± 0.230 $\chi^2/\text{NDF}: 1219.6/13$
 Right Out: -64.517 ± 0.752 $\chi^2/\text{NDF}: 444.3/18$
 Left In: -64.242 ± 0.224 $\chi^2/\text{NDF}: 2013.0/12$

Left: -65.008 ± 0.160 $\chi^2/\text{NDF}: 3256.6/26$
 Right: -63.677 ± 0.528 $\chi^2/\text{NDF}: 815.4/35$
 In: -64.126 ± 0.214 $\chi^2/\text{NDF}: 2384.9/29$
 Out: -65.703 ± 0.220 $\chi^2/\text{NDF}: 1666.6/32$
 All: -64.896 ± 0.153 $\chi^2/\text{NDF}: 4077.8/62$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 40.947 $\pm$ 0.189 χ^2 /NDF:567.7/13

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

Left In: 41.118 $\pm$ 0.186 χ^2 /NDF:510.6/12

Left: 41.034 $\pm$ 0.133 χ^2 /NDF: 1078.7/26

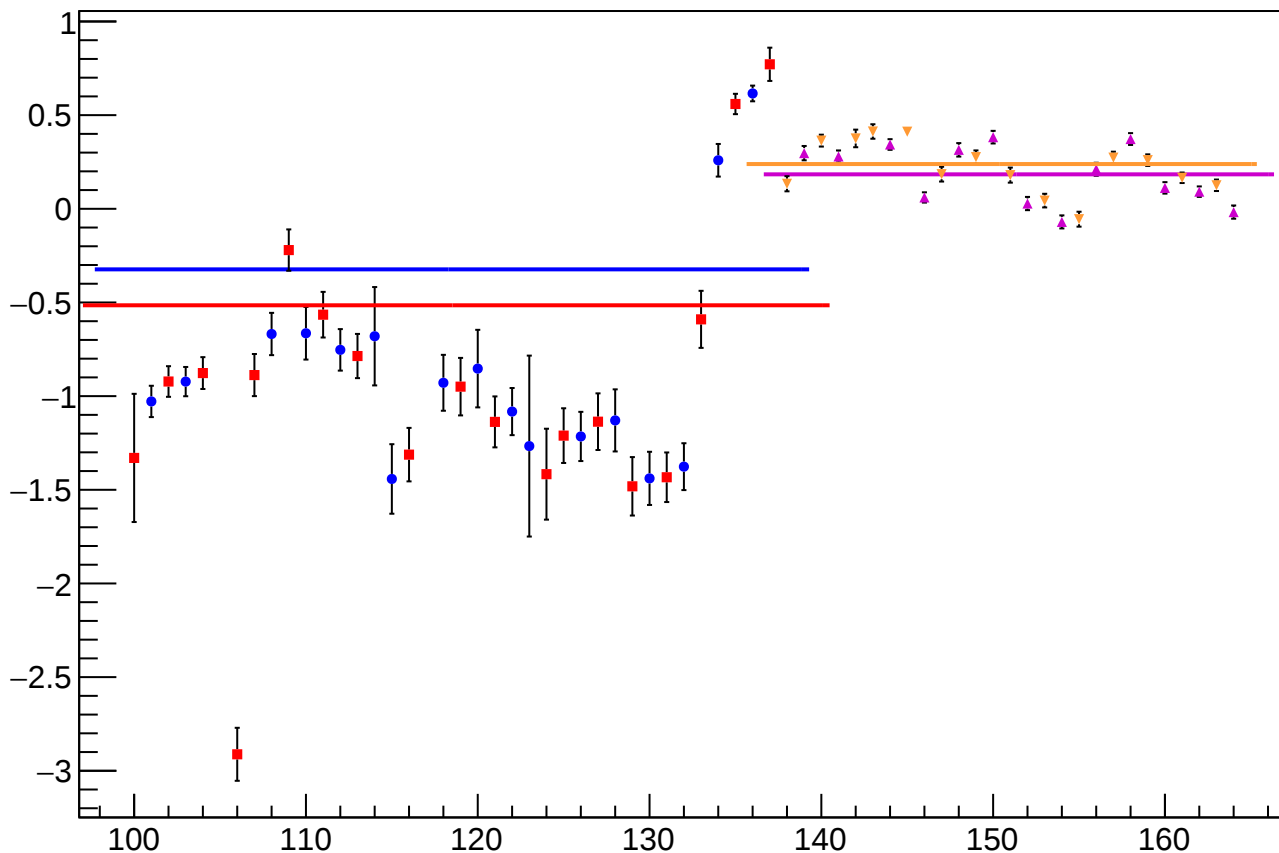
Right: 27.859 $\pm$ 0.332 χ^2 /NDF: 6353.5/35

In: 39.308 $\pm$ 0.173 χ^2 /NDF:4502.2/29

Out: 39.124 $\pm$ 0.176 χ^2 /NDF:4289.2/32

All: 39.218 $\pm$ 0.123 χ^2 /NDF: 8792.0/62

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: 0.239 ± 0.009 χ^2/NDF : 212.2/13

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

Left In: 0.184 ± 0.009 χ^2/NDF : 274.8/12

Left: 0.211 ± 0.006 χ^2/NDF : 505.6/26

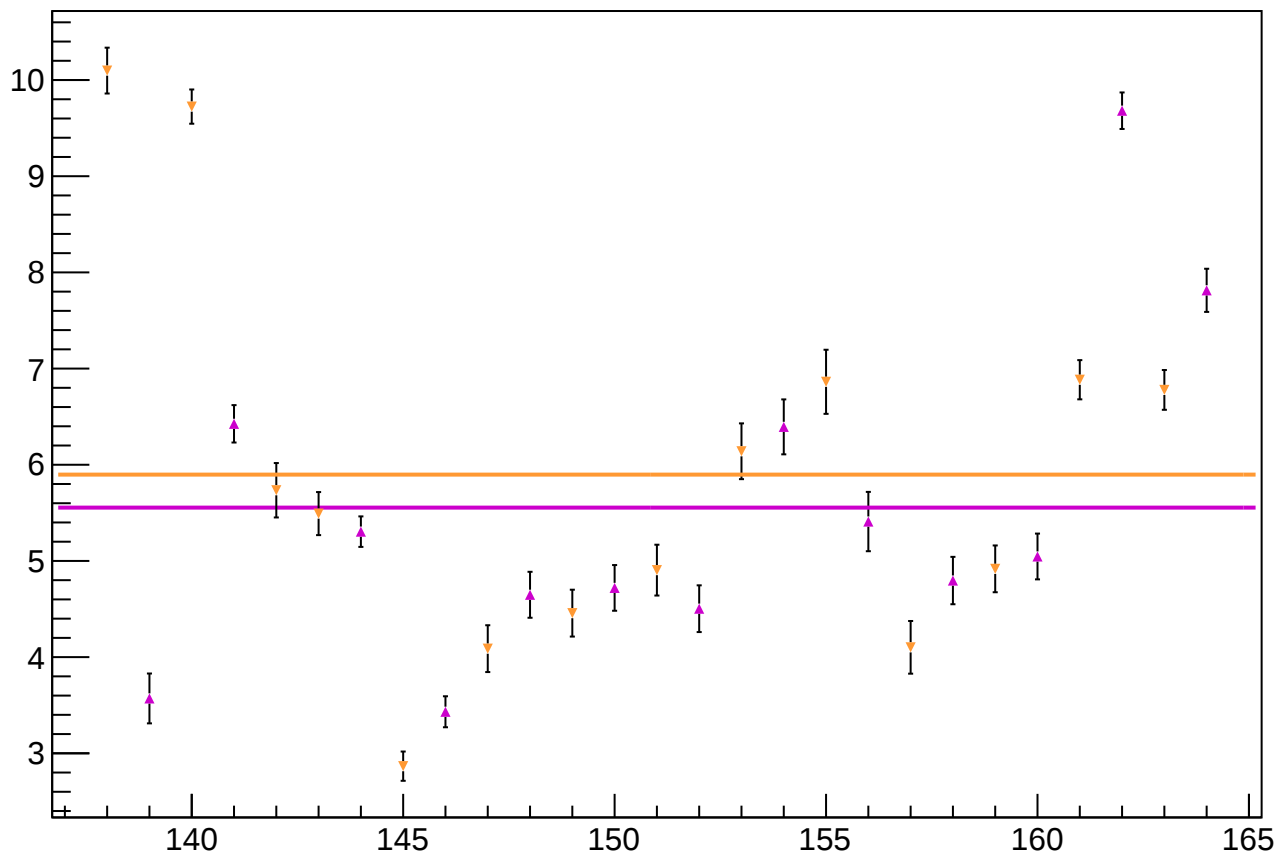
Right: -0.416 ± 0.018 χ^2/NDF : 2200.2/35

In: 0.126 ± 0.008 χ^2/NDF : 1651.6/29

Out: 0.156 ± 0.009 χ^2/NDF : 2135.8/32

All: 0.141 ± 0.006 χ^2/NDF : 3793.7/62

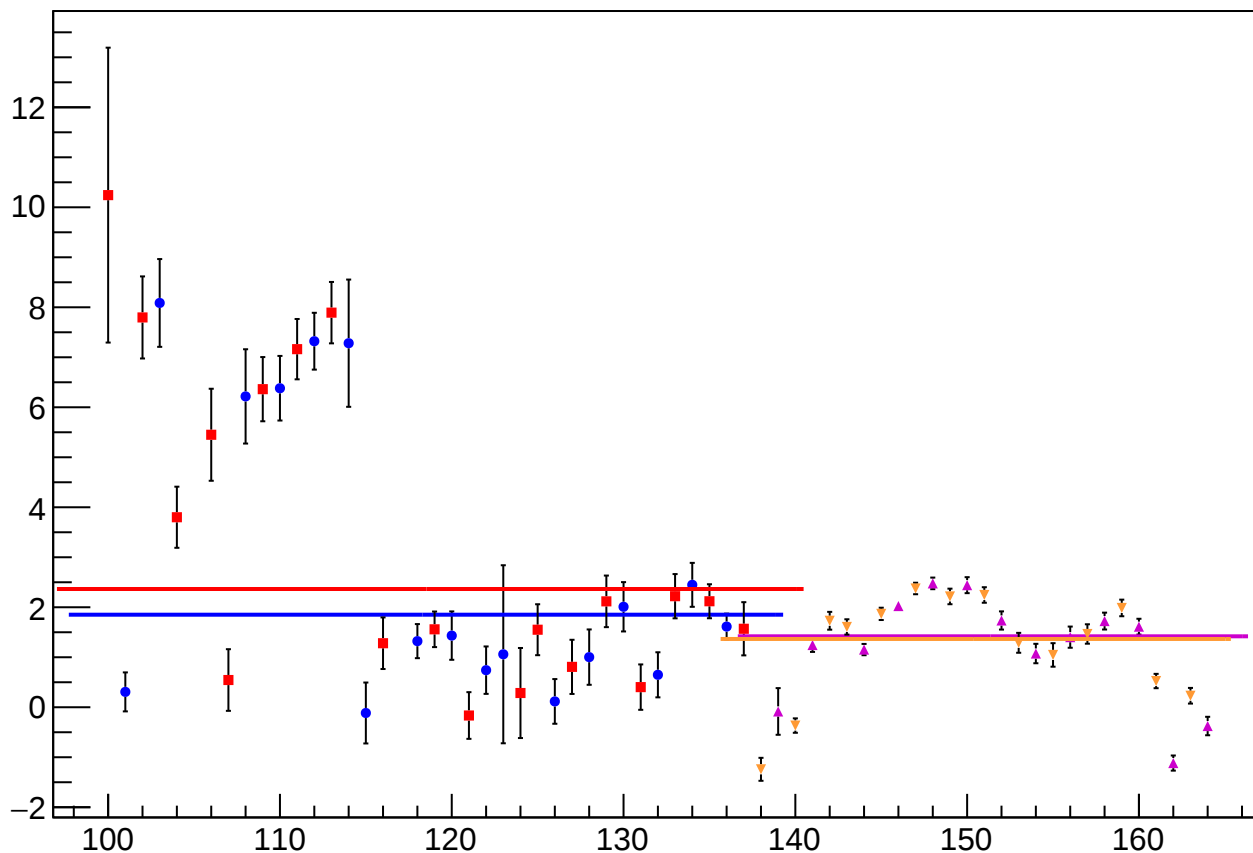
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.898+/-0.061 χ^2/NDF :1387.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.554+/-0.060 χ^2/NDF :896.8/12

Left: 5.724+/-0.043 χ^2/NDF : 2300.3/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.554+/-0.060 χ^2/NDF :896.8/12
 Out: 5.898+/-0.061 χ^2/NDF :1387.3/13
 All: 5.724+/-0.043 χ^2/NDF : 2300.3/26

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 $\chi^2/\text{NDF}: 294.2/16$

Left Out: 1.366 ± 0.042 $\chi^2/\text{NDF}: 538.3/13$

Right Out: 2.365 ± 0.123 $\chi^2/\text{NDF}: 336.2/18$

Left In: 1.419 ± 0.042 $\chi^2/\text{NDF}: 565.7/12$

Left: 1.393 ± 0.030 $\chi^2/\text{NDF}: 1104.8/26$

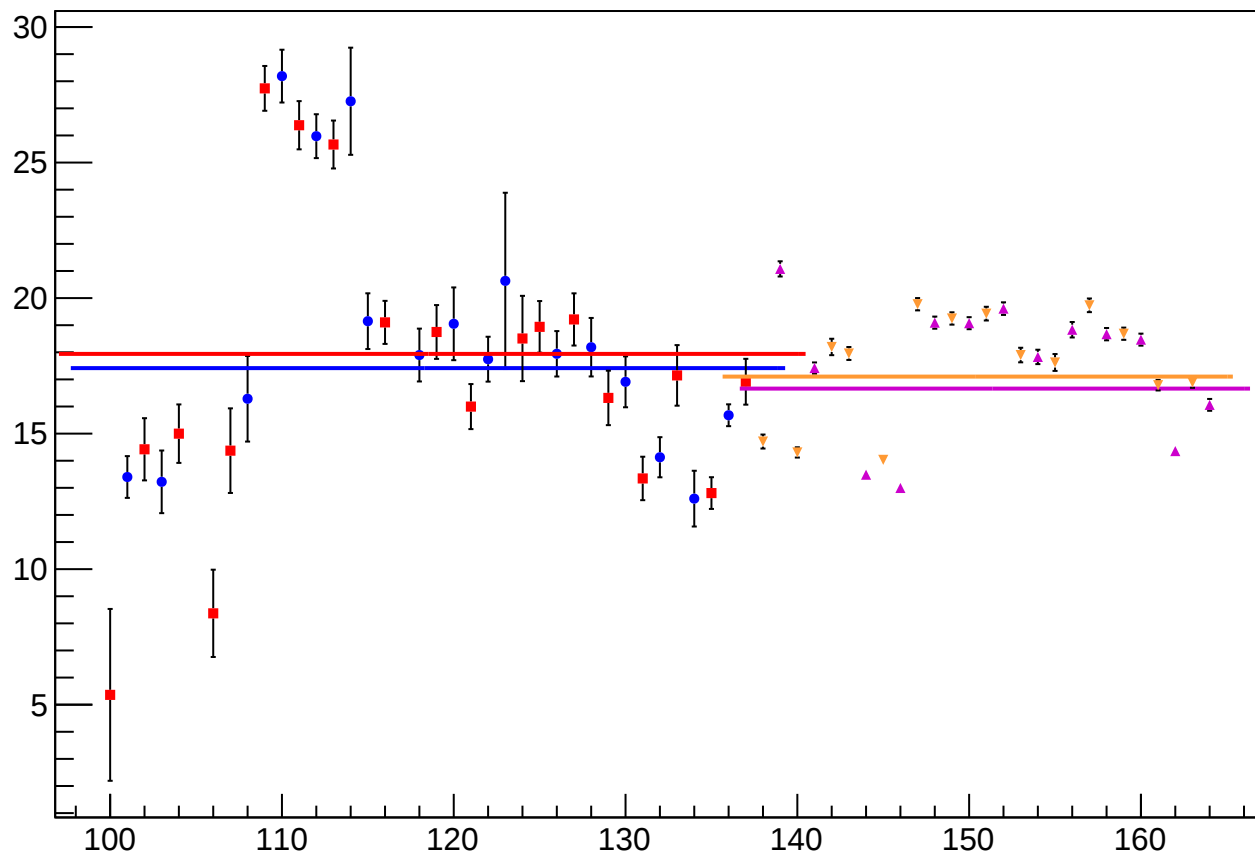
Right: 2.097 ± 0.085 $\chi^2/\text{NDF}: 639.6/35$

In: 1.467 ± 0.039 $\chi^2/\text{NDF}: 872.0/29$

Out: 1.472 ± 0.040 $\chi^2/\text{NDF}: 934.0/32$

All: 1.469 ± 0.028 $\chi^2/\text{NDF}: 1805.9/62$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 17.104 $\pm$ 0.060 χ^2 /NDF:1174.8/13

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

Left In: 16.661 $\pm$ 0.059 χ^2 /NDF:1957.8/12

Left: 16.877 $\pm$ 0.042 χ^2 /NDF: 3160.3/26

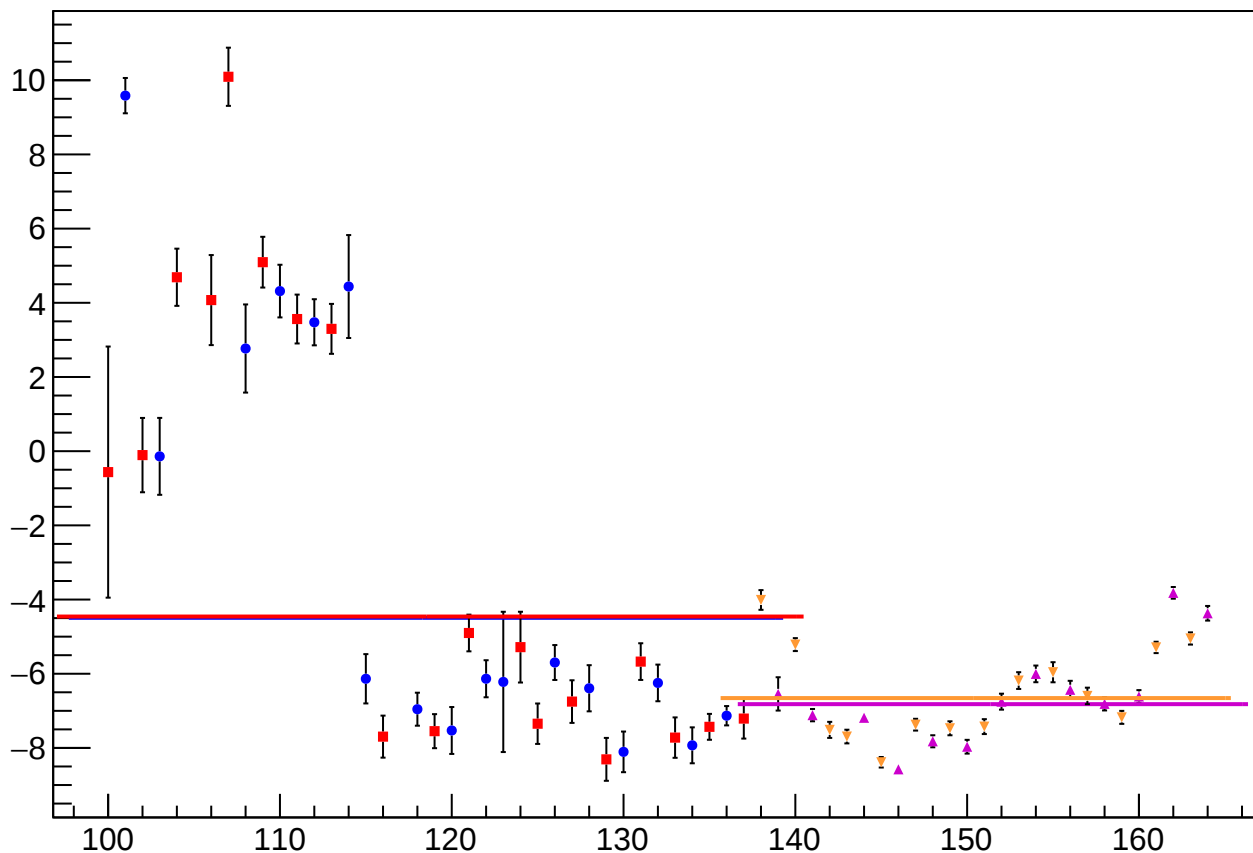
Right: 17.671 $\pm$ 0.153 χ^2 /NDF: 875.6/35

In: 16.715 $\pm$ 0.057 χ^2 /NDF:2336.6/29

Out: 17.163 $\pm$ 0.058 χ^2 /NDF:1693.9/32

All: 16.933 $\pm$ 0.041 χ^2 /NDF: 4061.0/62

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 $\chi^2/\text{NDF}: 1585.4/16$

Left Out: -6.656 ± 0.050 $\chi^2/\text{NDF}: 611.3/13$

Right Out: -4.458 ± 0.137 $\chi^2/\text{NDF}: 1338.9/18$

Left In: -6.820 ± 0.049 $\chi^2/\text{NDF}: 820.6/12$

Left: -6.739 ± 0.035 $\chi^2/\text{NDF}: 1437.4/26$

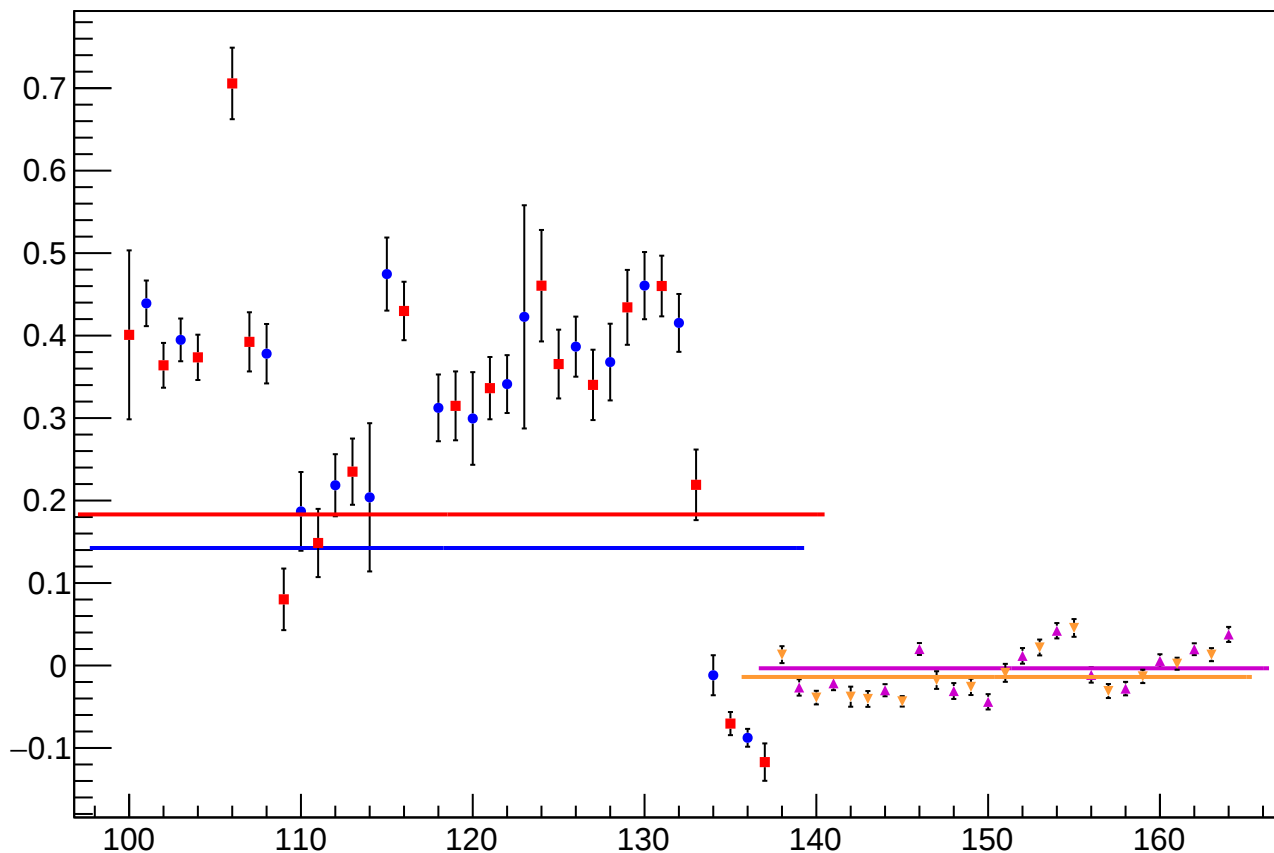
Right: -4.476 ± 0.094 $\chi^2/\text{NDF}: 2924.4/35$

In: -6.533 ± 0.046 $\chi^2/\text{NDF}: 2685.4/29$

Out: -6.401 ± 0.047 $\chi^2/\text{NDF}: 2177.7/32$

All: -6.468 ± 0.033 $\chi^2/\text{NDF}: 4867.2/62$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 $\chi^2/\text{NDF}: 1058.8/16$

Left Out: -0.014 ± 0.002 $\chi^2/\text{NDF}: 116.1/13$

Right Out: 0.183 ± 0.007 $\chi^2/\text{NDF}: 1000.9/18$

Left In: -0.003 ± 0.002 $\chi^2/\text{NDF}: 129.2/12$

Left: -0.009 ± 0.002 $\chi^2/\text{NDF}: 255.1/26$

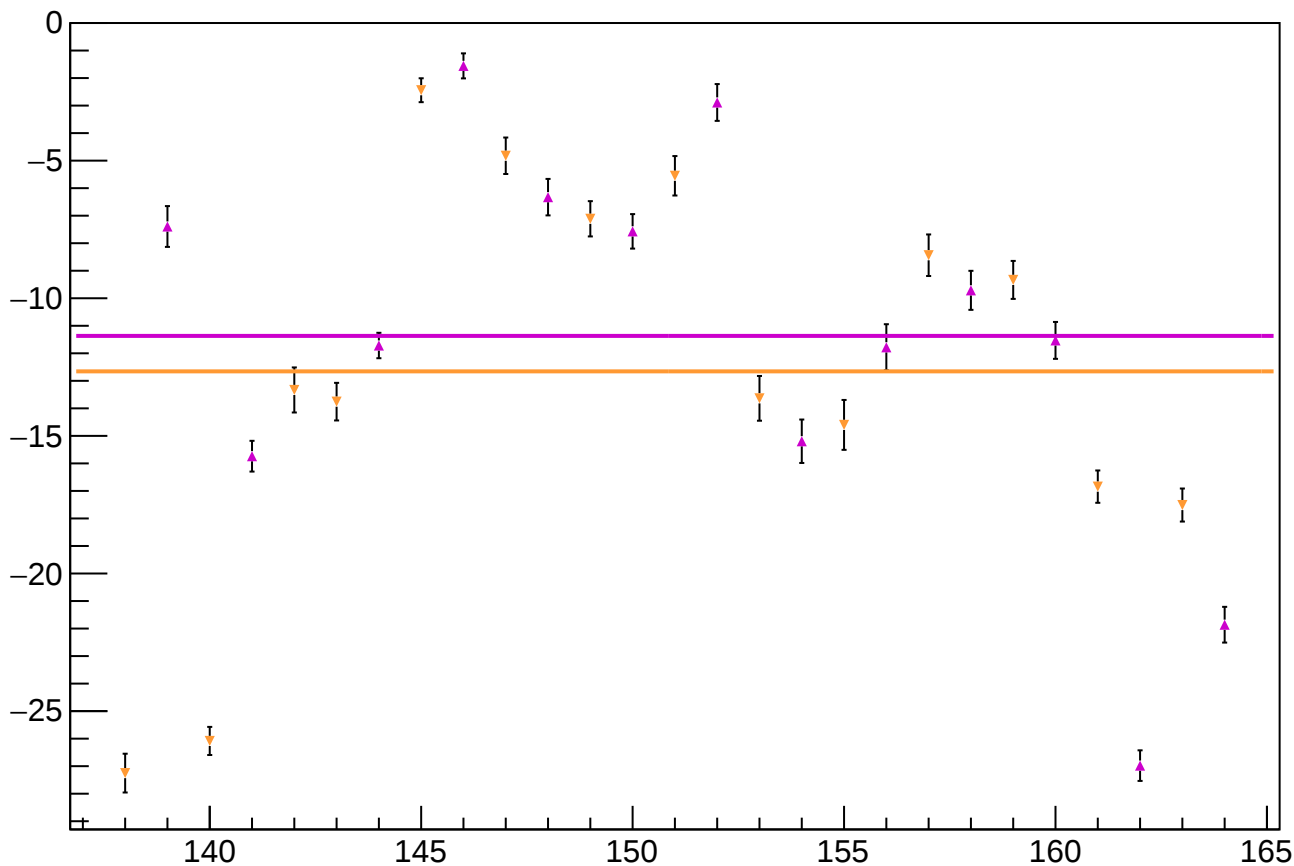
Right: 0.162 ± 0.005 $\chi^2/\text{NDF}: 2075.4/35$

In: 0.011 ± 0.002 $\chi^2/\text{NDF}: 1570.9/29$

Out: 0.004 ± 0.002 $\chi^2/\text{NDF}: 1758.6/32$

All: 0.008 ± 0.002 $\chi^2/\text{NDF}: 3334.0/62$

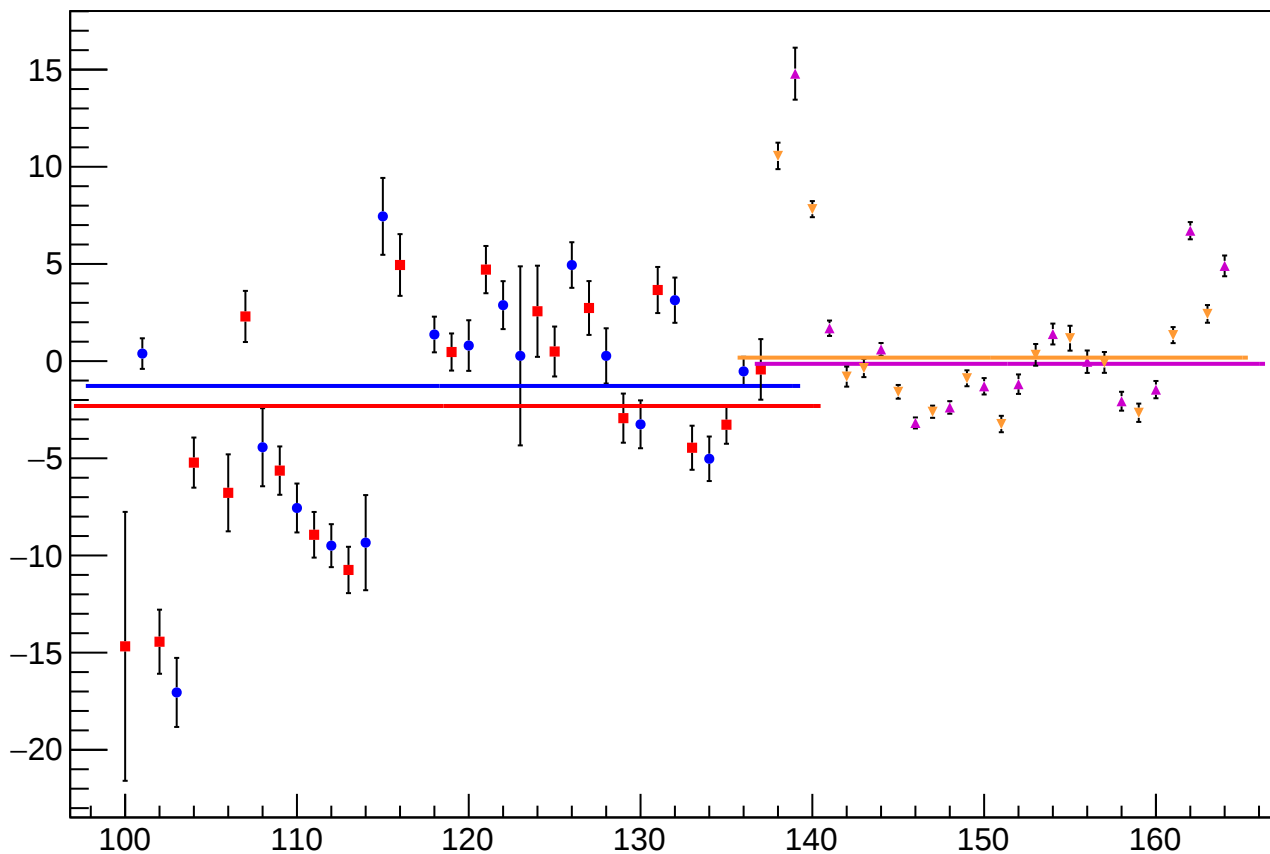
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -12.656+/-0.172 χ^2/NDF :2167.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -11.367+/-0.170 χ^2/NDF :1891.3/12

Left: -12.005+/-0.121 χ^2/NDF : 4086.8/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -11.367+/-0.170 χ^2/NDF :1891.3/12
 Out: -12.656+/-0.172 χ^2/NDF :2167.3/13
 All: -12.005+/-0.121 χ^2/NDF : 4086.8/26

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: 0.180 ± 0.119 χ^2/NDF : 824.3/13

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

Left In: -0.139 ± 0.118 χ^2/NDF : 687.7/12

Left: 0.018 ± 0.084 χ^2/NDF : 1515.5/26

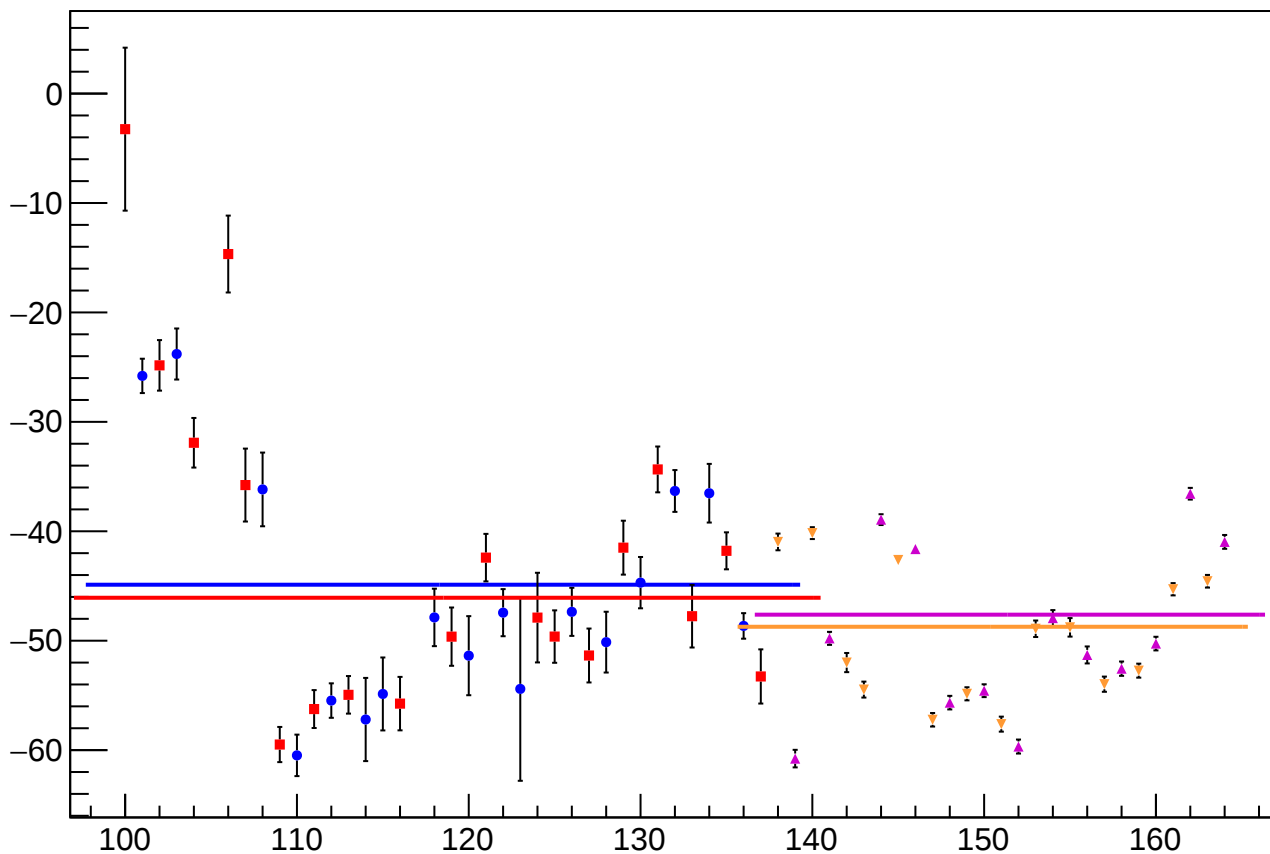
Right: -1.776 ± 0.210 χ^2/NDF : 567.8/35

In: -0.298 ± 0.109 χ^2/NDF : 977.2/29

Out: -0.155 ± 0.111 χ^2/NDF : 1168.2/32

All: -0.228 ± 0.078 χ^2/NDF : 2146.2/62

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: -48.726 ± 0.171 χ^2/NDF : 1249.6/13

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

Left In: -47.621 ± 0.166 χ^2/NDF : 2075.9/12

Left: -48.160 ± 0.119 χ^2/NDF : 3347.0/26

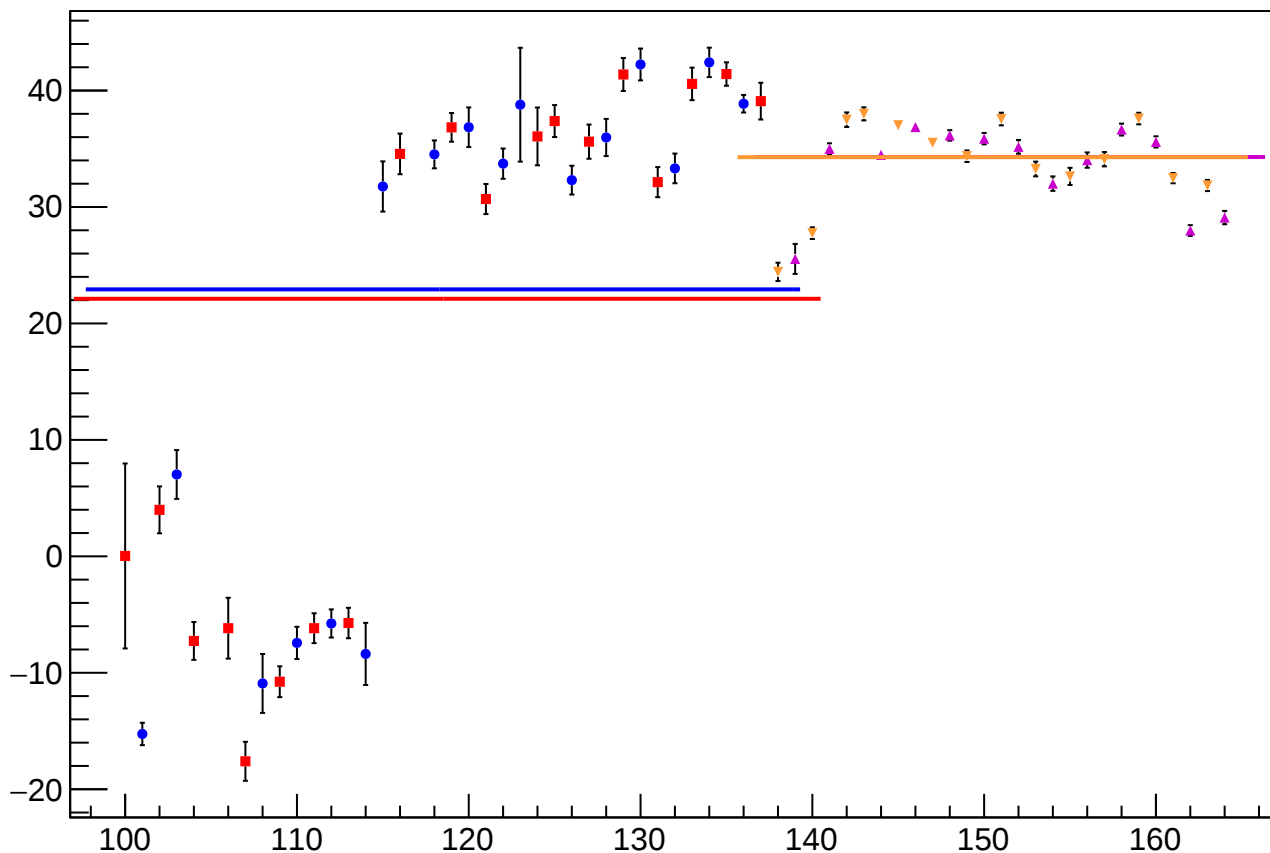
Right: -45.474 ± 0.372 χ^2/NDF : 877.8/35

In: -47.370 ± 0.159 χ^2/NDF : 2521.6/29

Out: -48.476 ± 0.162 χ^2/NDF : 1726.6/32

All: -47.910 ± 0.113 χ^2/NDF : 4272.0/62

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 34.280 $\pm$ 0.141 χ^2 /NDF:580.8/13

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

Left In: 34.292 $\pm$ 0.138 χ^2 /NDF:442.1/12

Left: 34.286 $\pm$ 0.099 χ^2 /NDF: 1023.0/26

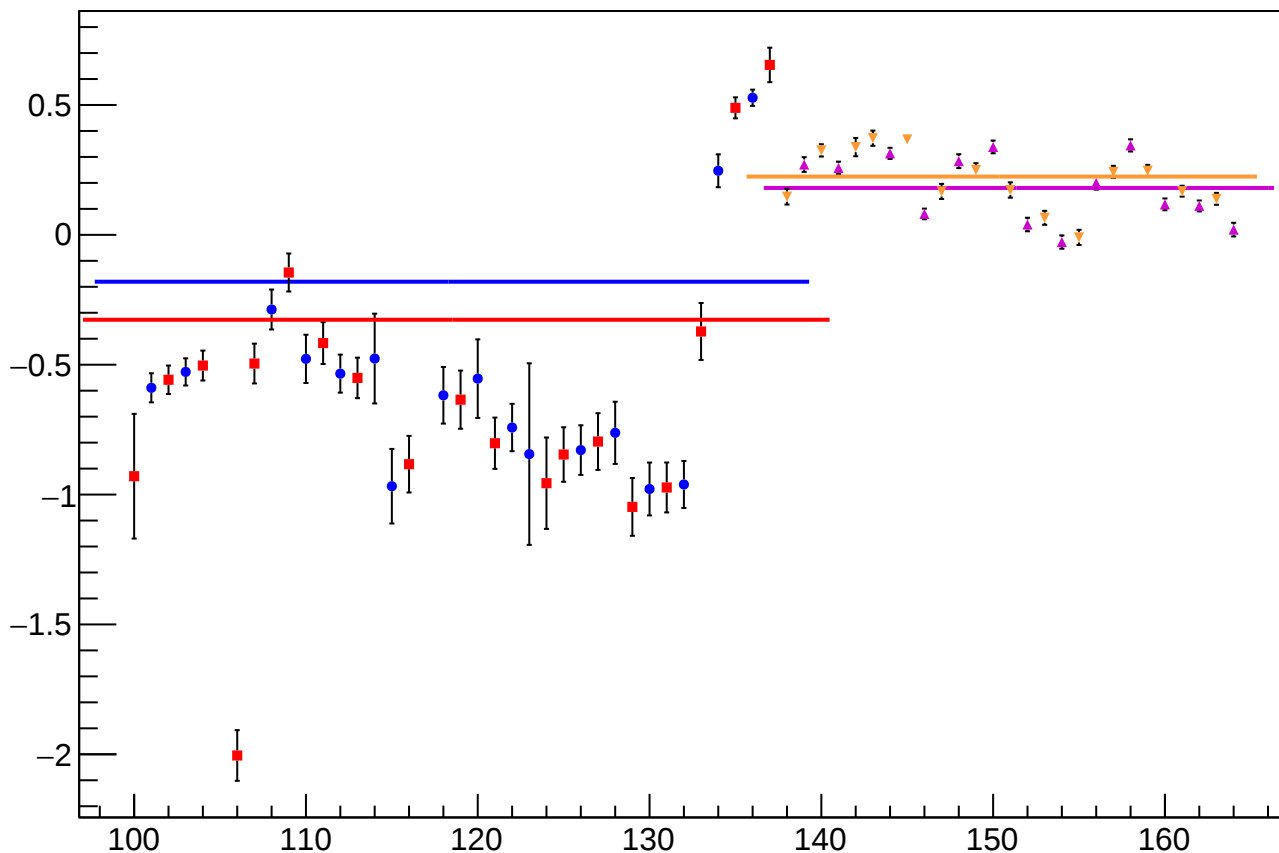
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 32.572 $\pm$ 0.128 χ^2 /NDF:5791.0/29

Out: 32.505 $\pm$ 0.130 χ^2 /NDF:5707.5/32

All: 32.539 $\pm$ 0.091 χ^2 /NDF: 11498.6/62

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: 0.224 ± 0.007 χ^2/NDF : 252.5/13

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.181 ± 0.007 χ^2/NDF : 338.9/12

Left: 0.202 ± 0.005 χ^2/NDF : 612.9/26

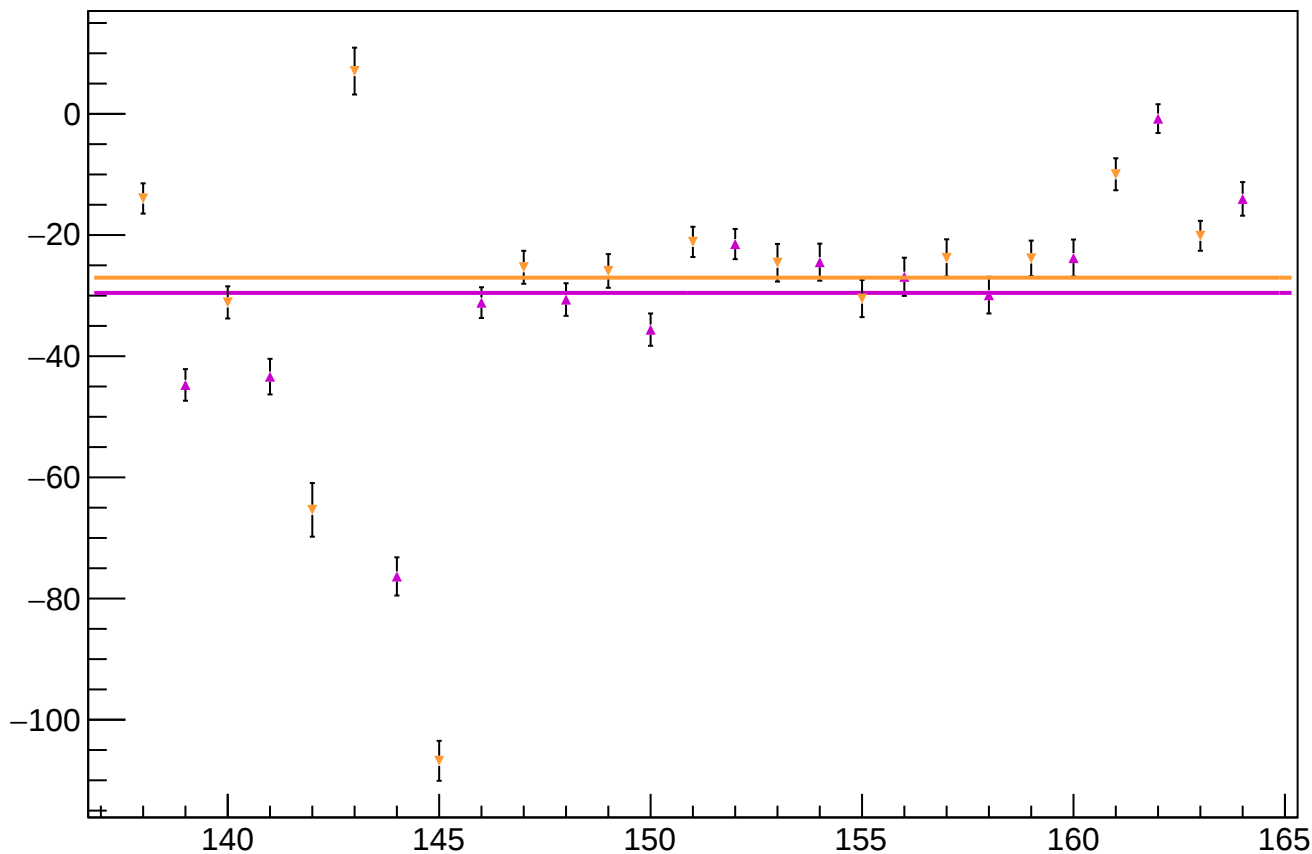
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.136 ± 0.006 χ^2/NDF : 1696.7/29

Out: 0.158 ± 0.006 χ^2/NDF : 2235.3/32

All: 0.147 ± 0.004 χ^2/NDF : 3938.2/62

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



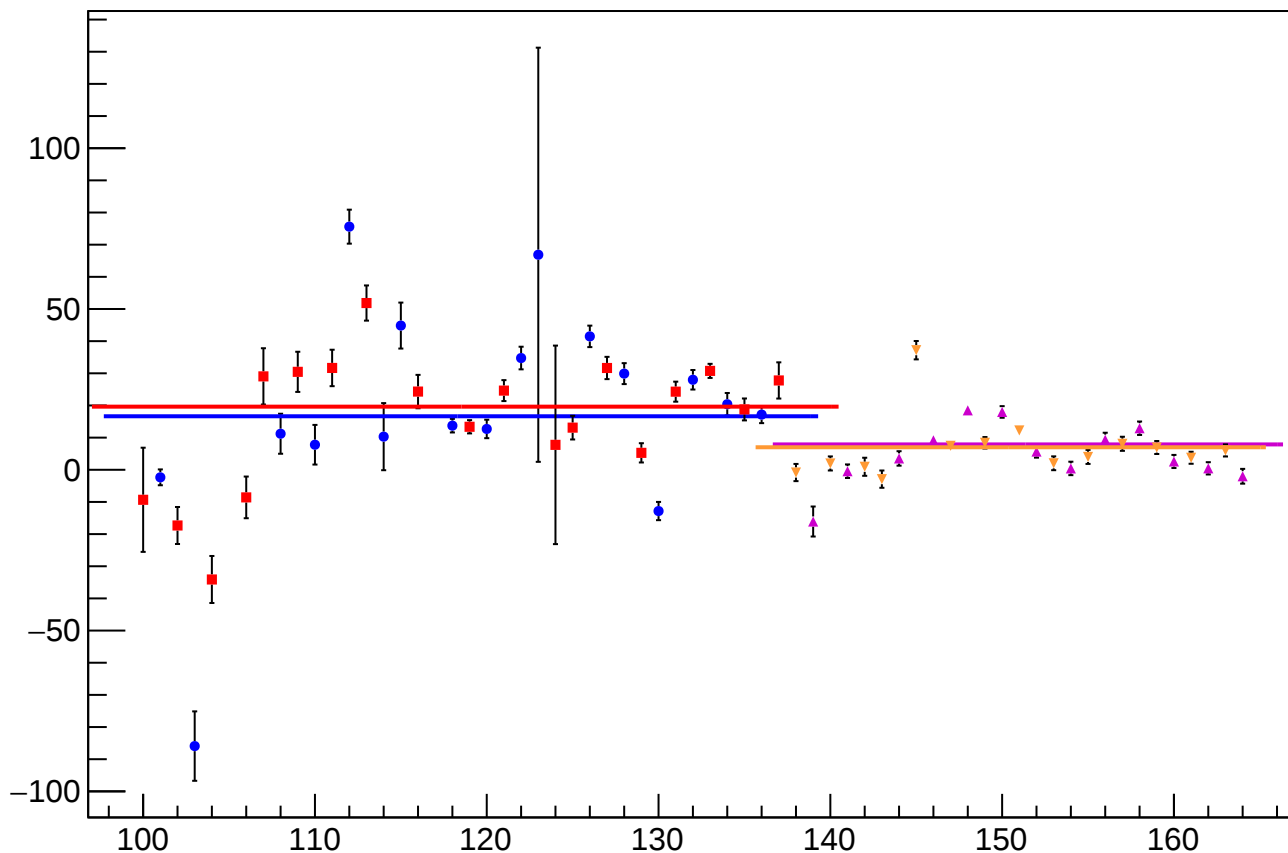
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -27.033+/-0.773 χ^2/NDF :827.7/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -29.547+/-0.769 χ^2/NDF :477.6/12

Left: -28.295+/-0.545 χ^2/NDF : 1310.6/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.547+/-0.769 χ^2/NDF :477.6/12
 Out: -27.033+/-0.773 χ^2/NDF :827.7/13

All: -28.295+/-0.545 χ^2/NDF : 1310.6/26

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 $\pm$ 0.859 χ^2 /NDF: 518.9/16

Left Out: 7.003 $\pm$ 0.527 χ^2 /NDF: 169.0/13

Right Out: 19.632 $\pm$ 0.896 χ^2 /NDF: 241.7/18

Left In: 7.887 $\pm$ 0.537 χ^2 /NDF: 204.4/12

Left: 7.437 $\pm$ 0.376 χ^2 /NDF: 374.8/26

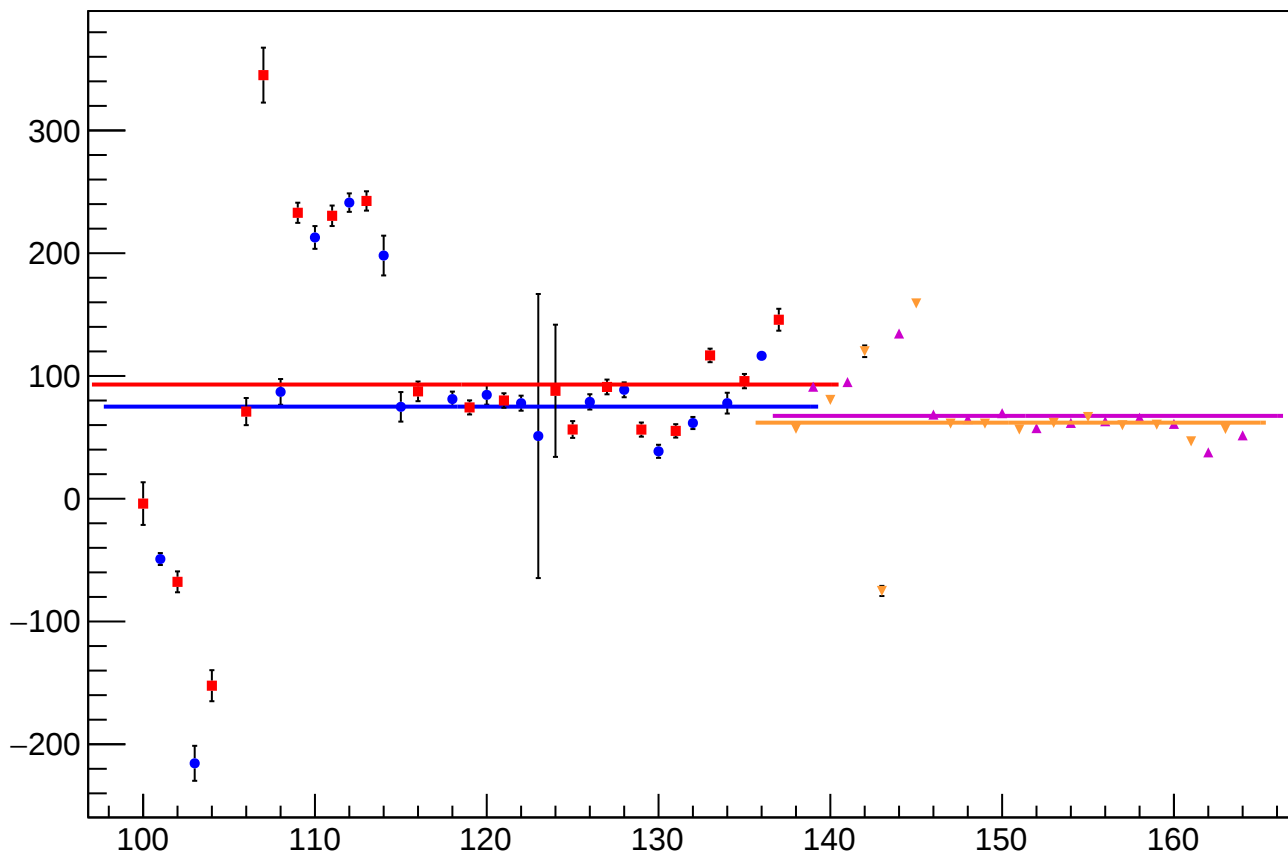
Right: 18.072 $\pm$ 0.620 χ^2 /NDF: 766.4/35

In: 10.347 $\pm$ 0.455 χ^2 /NDF: 798.1/29

Out: 10.249 $\pm$ 0.454 χ^2 /NDF: 558.2/32

All: 10.298 $\pm$ 0.322 χ^2 /NDF: 1356.3/62

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: 61.975 $\pm$ 0.753 χ^2 /NDF: 2156.2/13

Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

Left In: 67.500 $\pm$ 0.745 χ^2 /NDF: 778.9/12

Left: 64.767 $\pm$ 0.530 χ^2 /NDF: 2962.3/26

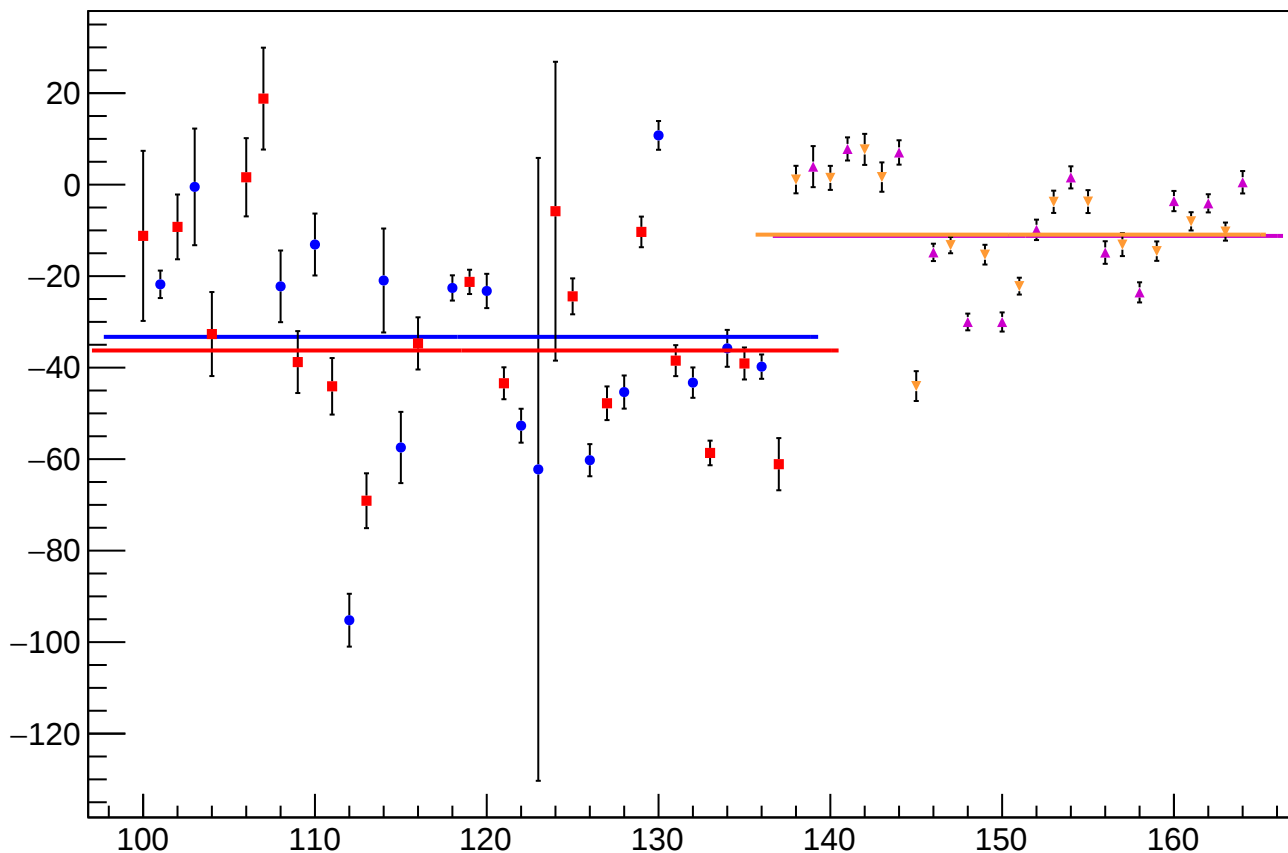
Right: 83.683 $\pm$ 1.187 χ^2 /NDF: 4060.7/35

In: 68.781 $\pm$ 0.679 χ^2 /NDF: 2795.9/29

Out: 67.016 $\pm$ 0.689 χ^2 /NDF: 4435.6/32

All: 67.912 $\pm$ 0.484 χ^2 /NDF: 7234.9/62

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: -10.928 ± 0.623 $\chi^2/\text{NDF}: 252.9/13$

Right Out: -36.251 ± 1.024 $\chi^2/\text{NDF}: 297.6/18$

Left In: -11.209 ± 0.630 $\chi^2/\text{NDF}: 414.9/12$

Left: -11.067 ± 0.443 $\chi^2/\text{NDF}: 667.9/26$

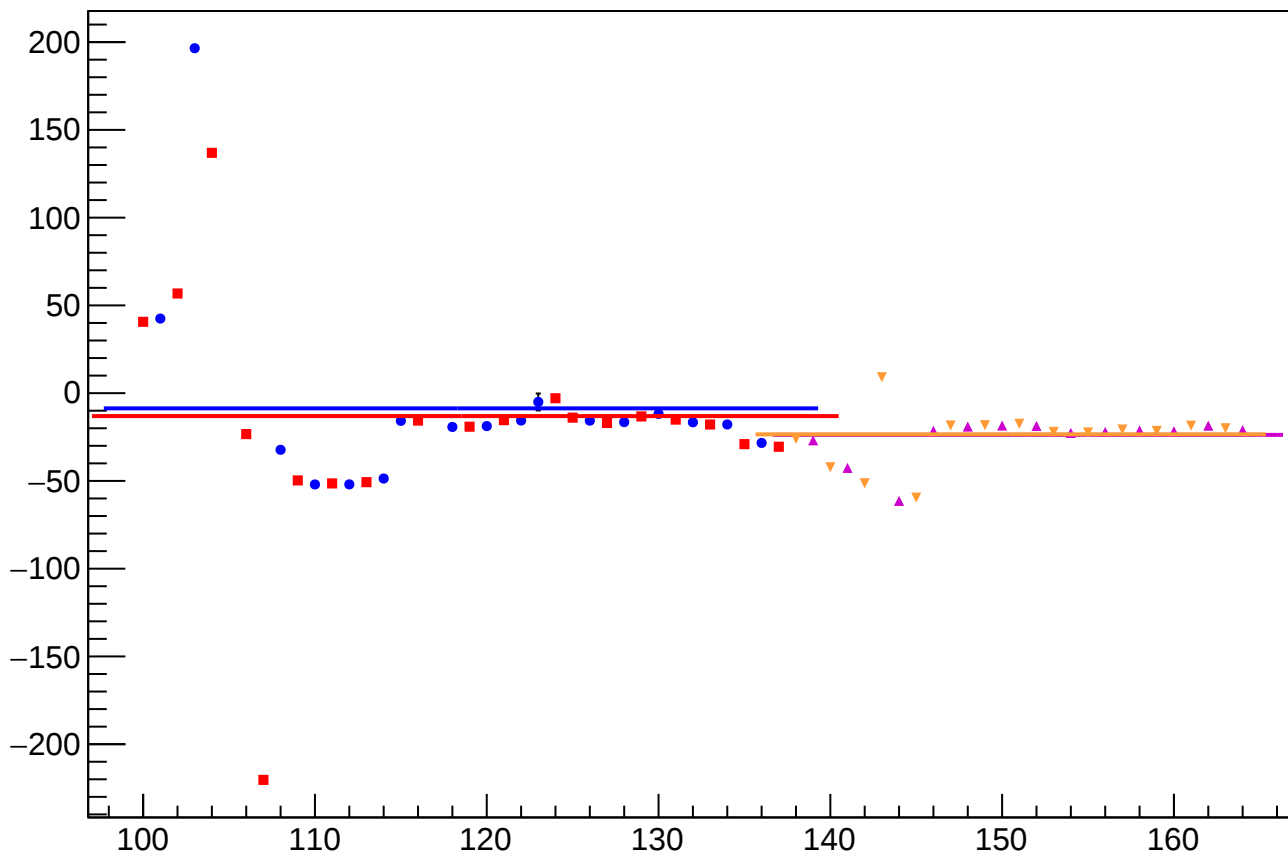
Right: -34.699 ± 0.709 $\chi^2/\text{NDF}: 791.4/35$

In: -17.642 ± 0.530 $\chi^2/\text{NDF}: 1261.9/29$

Out: -17.771 ± 0.532 $\chi^2/\text{NDF}: 996.9/32$

All: -17.706 ± 0.376 $\chi^2/\text{NDF}: 2258.8/62$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -23.470 ± 0.029 $\chi^2/\text{NDF}: 168216.3/13$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

Left In: -23.776 ± 0.029 $\chi^2/\text{NDF}: 101161.1/12$

Left: -23.624 ± 0.021 $\chi^2/\text{NDF}: 269431.7/26$

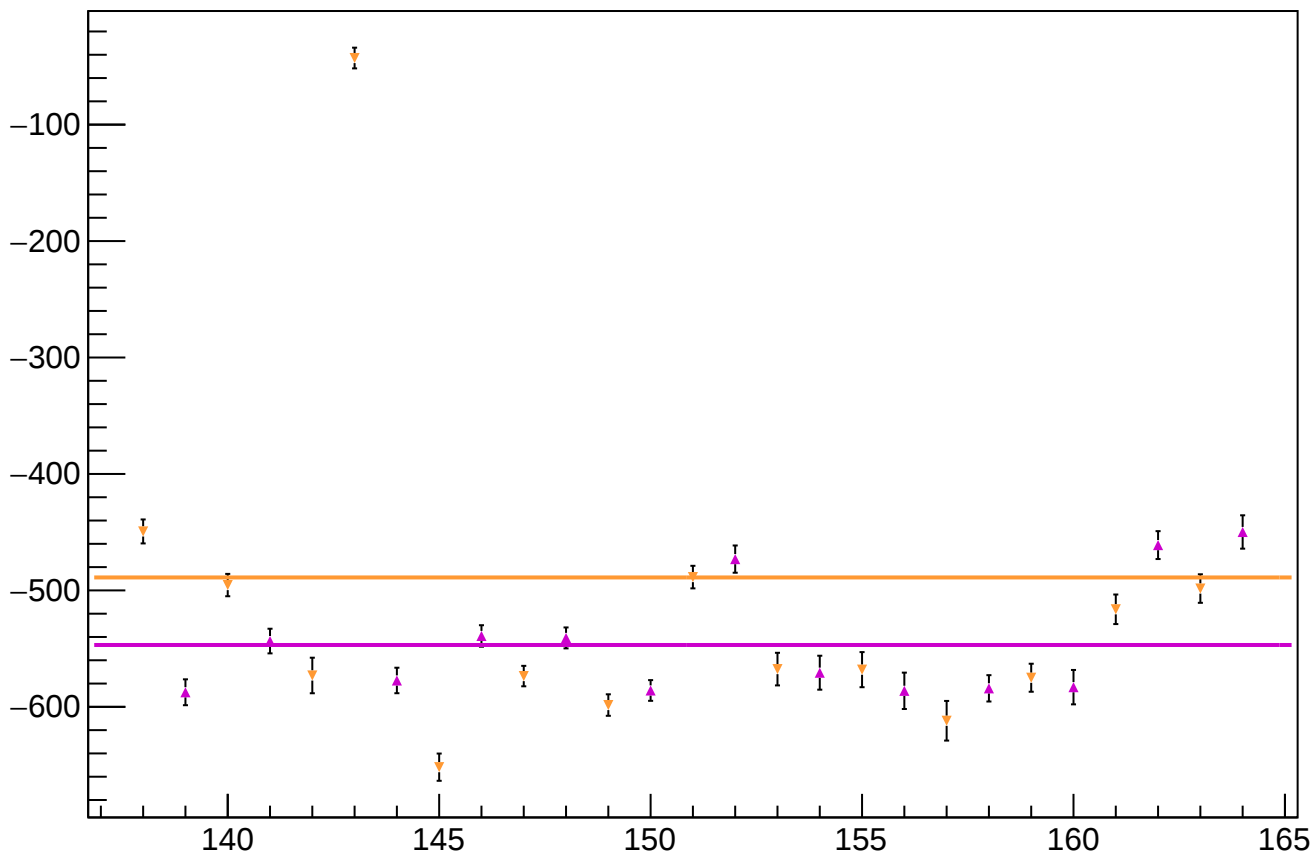
Right: -10.767 ± 0.043 $\chi^2/\text{NDF}: 1136731.7/35$

In: -20.811 ± 0.026 $\chi^2/\text{NDF}: 729543.0/29$

Out: -21.549 ± 0.027 $\chi^2/\text{NDF}: 749569.5/32$

All: -21.174 ± 0.019 $\chi^2/\text{NDF}: 1479503.7/62$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -488.877 ± 2.980 χ^2/NDF : 3153.8/13

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -546.874 ± 3.123 χ^2/NDF : 204.5/12

Left: -516.516 ± 2.156 χ^2/NDF : 3538.8/26

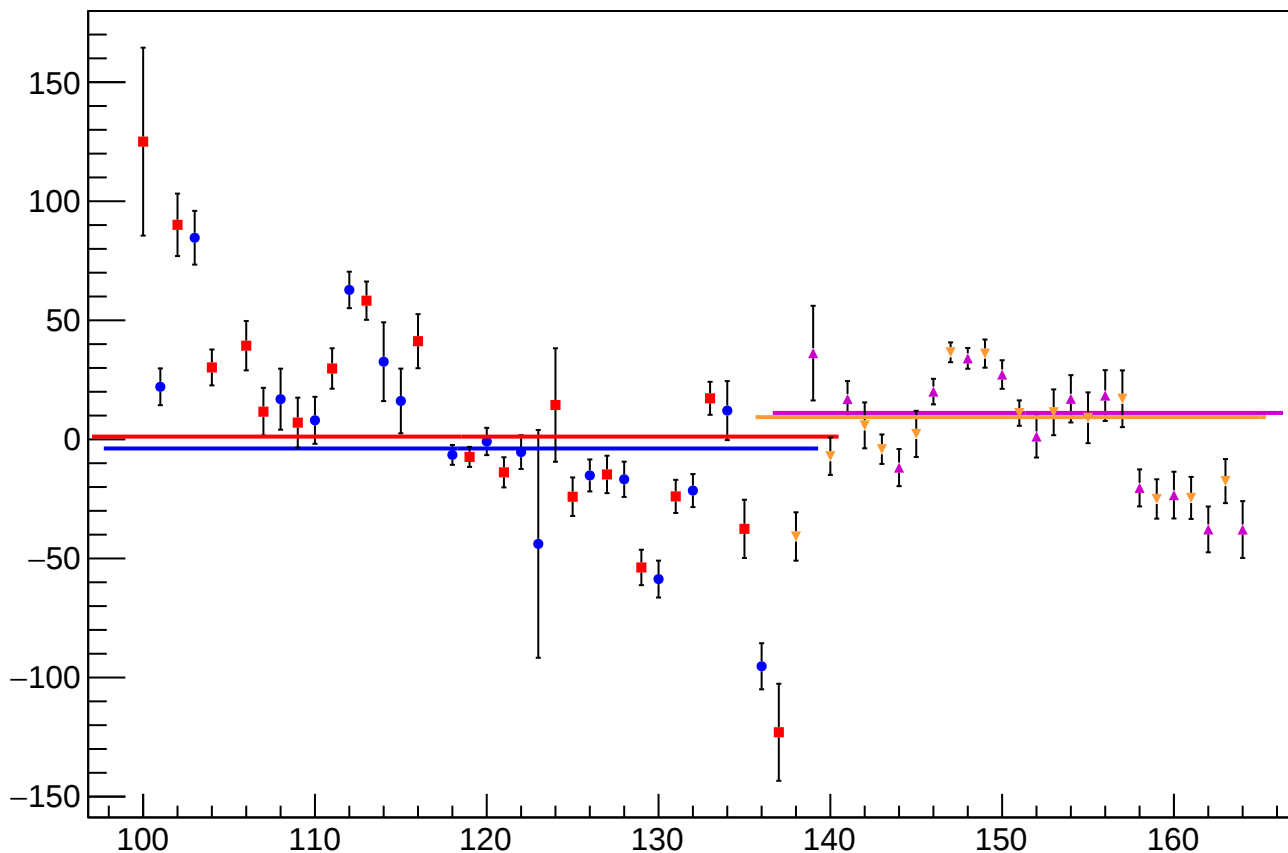
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -546.874 ± 3.123 χ^2/NDF : 204.5/12

Out: -488.877 ± 2.980 χ^2/NDF : 3153.8/13

All: -516.516 ± 2.156 χ^2/NDF : 3538.8/26

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 9.352 ± 1.959 χ^2/NDF : 138.3/13

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

Left In: 11.120 ± 2.092 χ^2/NDF : 122.2/12

Left: 10.178 ± 1.430 χ^2/NDF : 260.8/26

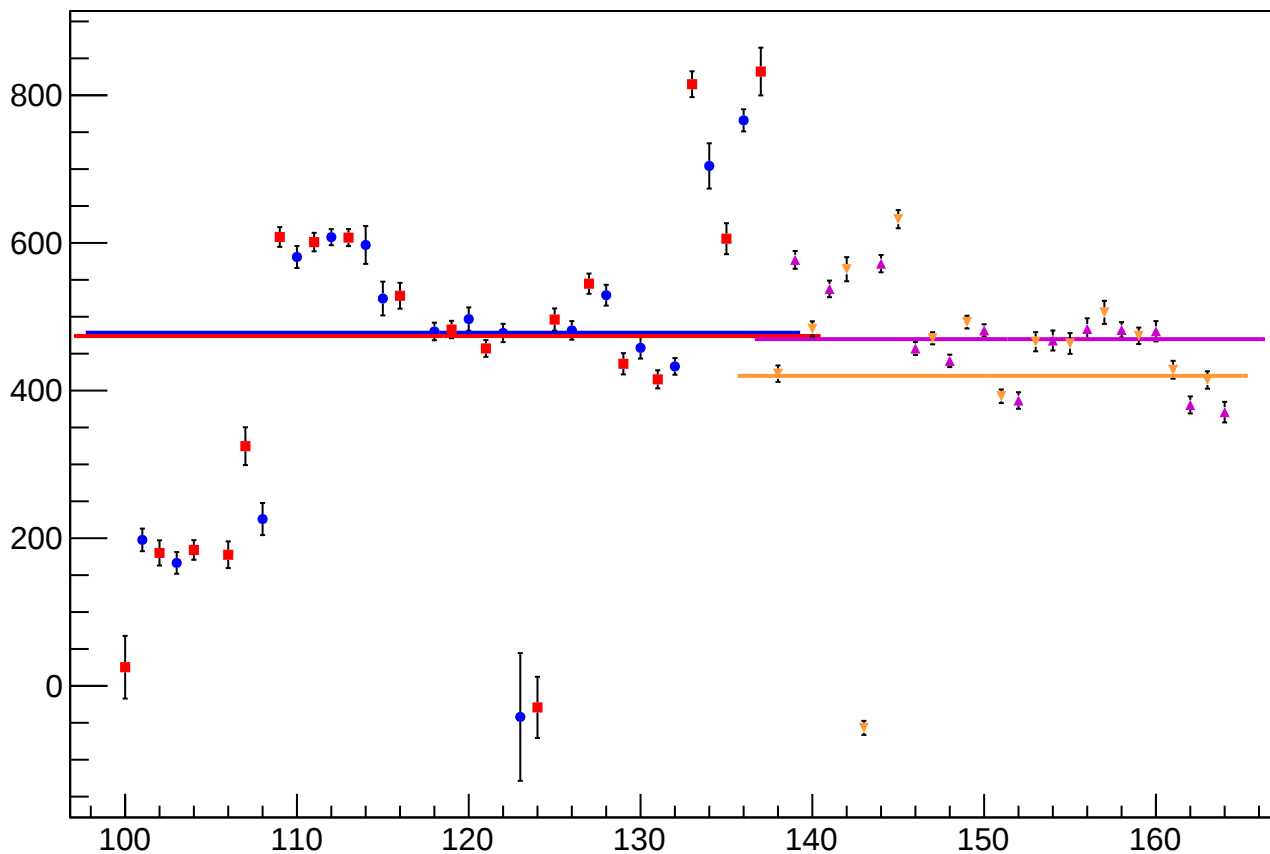
Right: -1.308 ± 1.356 χ^2/NDF : 621.6/35

In: 3.026 ± 1.416 χ^2/NDF : 464.1/29

Out: 5.169 ± 1.369 χ^2/NDF : 451.0/32

All: 4.134 ± 0.984 χ^2/NDF : 916.3/62

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: 419.942 ± 2.934 $\chi^2/\text{NDF}: 3129.8/13$

Right Out: 473.902 ± 3.531 $\chi^2/\text{NDF}: 2285.0/18$

Left In: 469.690 ± 3.031 $\chi^2/\text{NDF}: 376.4/12$

Left: 444.007 ± 2.108 $\chi^2/\text{NDF}: 3645.3/26$

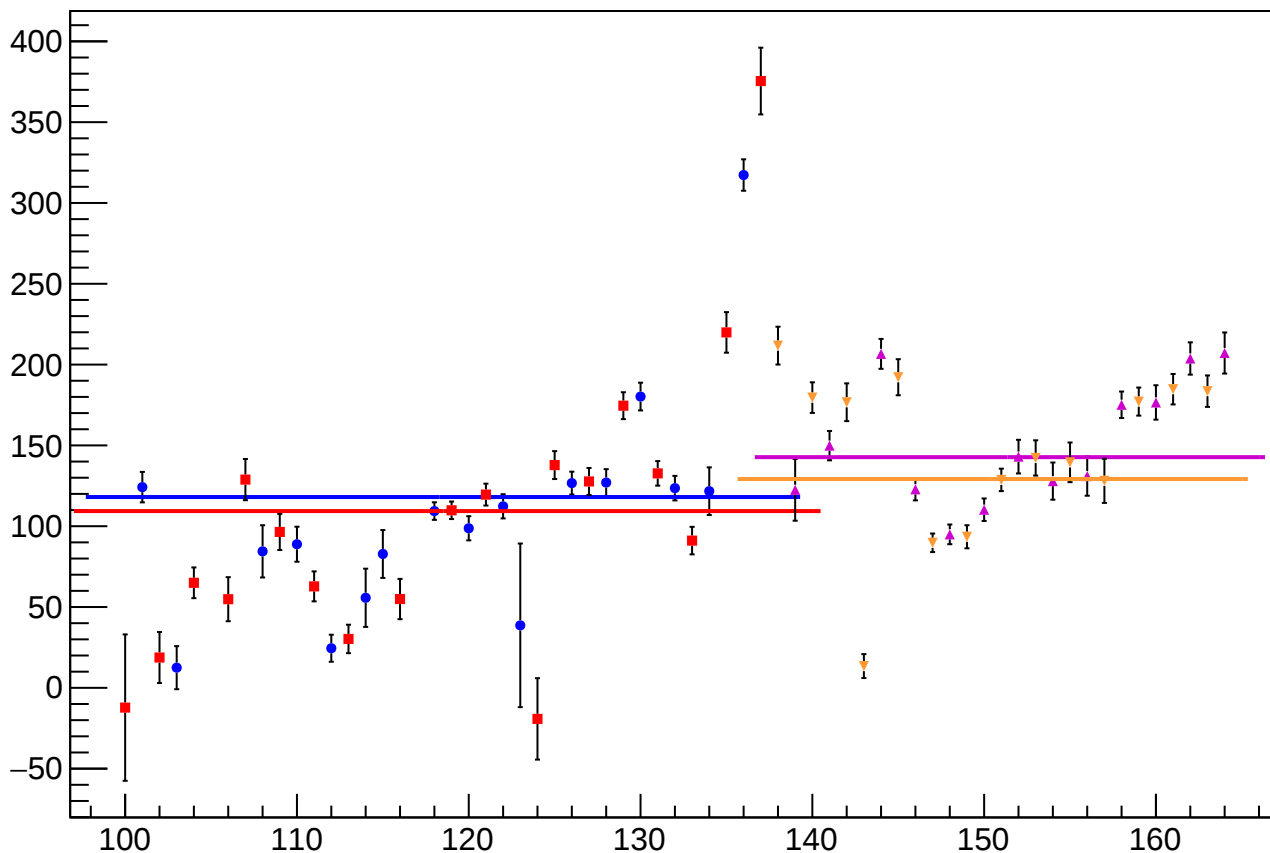
Right: 476.038 ± 2.542 $\chi^2/\text{NDF}: 3914.6/35$

In: 473.205 ± 2.335 $\chi^2/\text{NDF}: 2008.6/29$

Out: 441.983 ± 2.257 $\chi^2/\text{NDF}: 5552.9/32$

All: 457.061 ± 1.623 $\chi^2/\text{NDF}: 7653.9/62$

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 129.200 $\pm$ 2.369 χ^2 /NDF:542.1/13

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

Left In: 142.733 $\pm$ 2.509 χ^2 /NDF:232.6/12

Left: 135.579 $\pm$ 1.722 χ^2 /NDF: 790.1/26

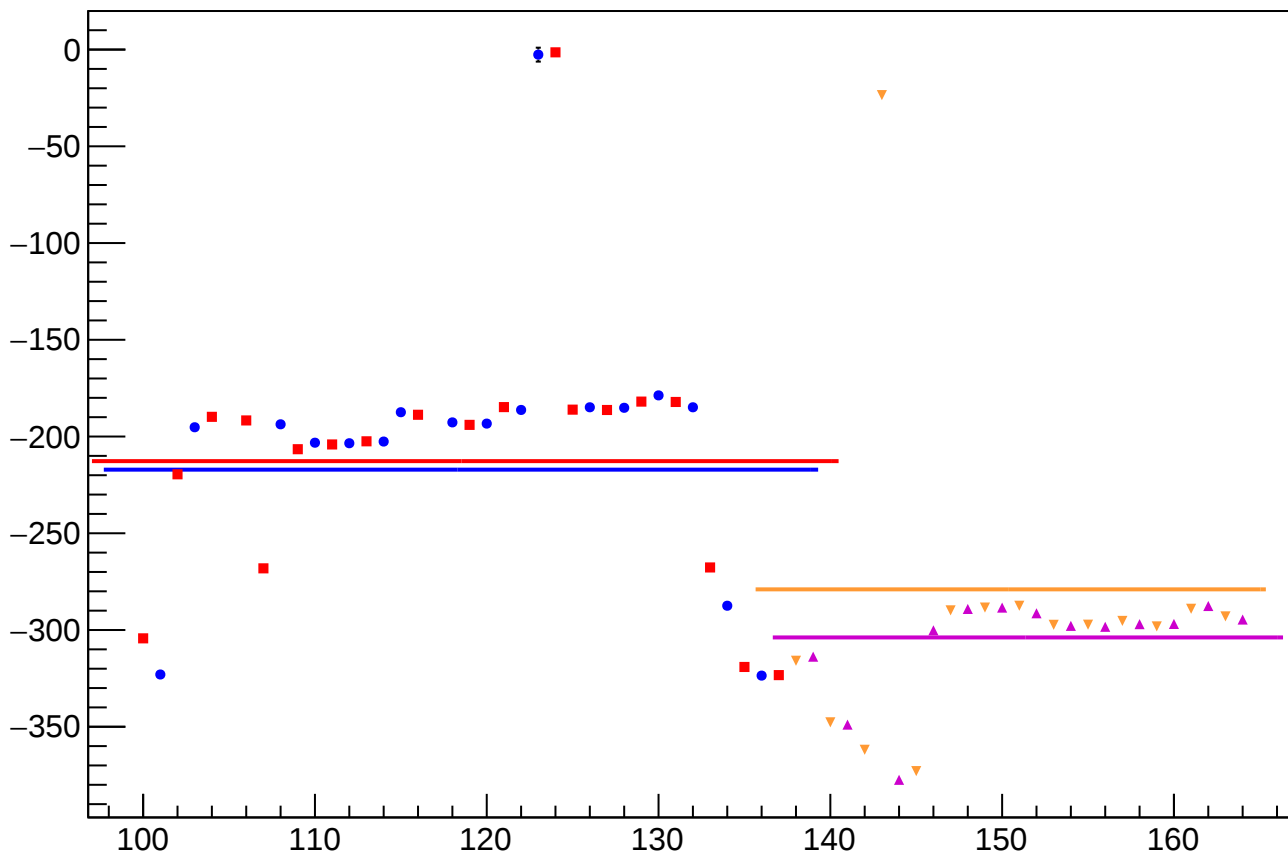
Right: 113.671 $\pm$ 1.566 χ^2 /NDF: 1282.8/35

In: 128.923 $\pm$ 1.665 χ^2 /NDF:992.1/29

Out: 118.573 $\pm$ 1.614 χ^2 /NDF:1149.5/32

All: 123.588 $\pm$ 1.159 χ^2 /NDF: 2161.5/62

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -278.989 ± 0.118 $\chi^2/\text{NDF}: 544963.8/13$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

Left In: -303.840 ± 0.121 $\chi^2/\text{NDF}: 37722.6/12$

Left: -291.115 ± 0.084 $\chi^2/\text{NDF}: 604325.7/26$

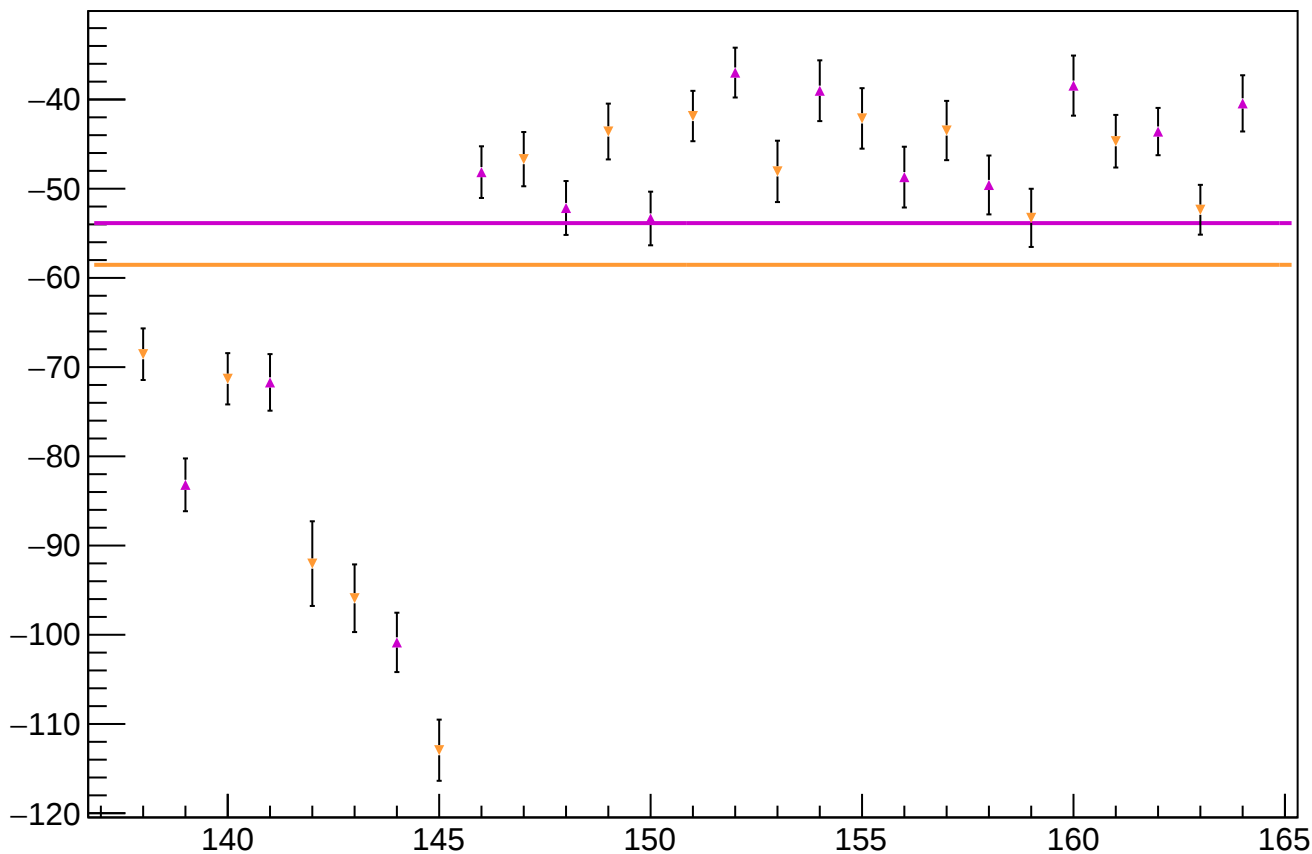
Right: -214.812 ± 0.094 $\chi^2/\text{NDF}: 262670.9/35$

In: -265.744 ± 0.091 $\chi^2/\text{NDF}: 410343.0/29$

Out: -249.094 ± 0.087 $\chi^2/\text{NDF}: 802800.8/32$

All: -257.130 ± 0.063 $\chi^2/\text{NDF}: 1230648.8/62$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



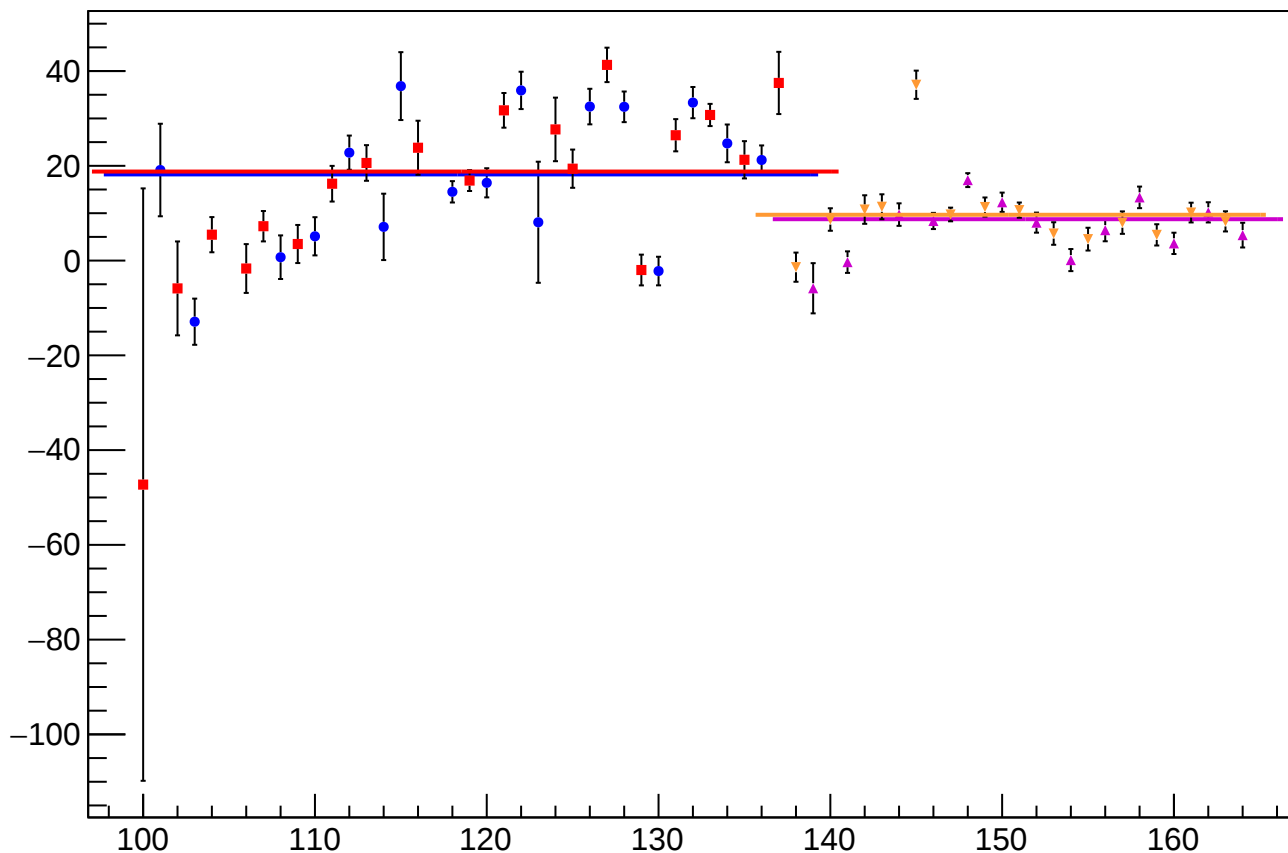
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -58.532+/-0.853 χ^2/NDF : 586.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -53.857+/-0.855 χ^2/NDF : 447.3/12

Left: -56.202+/-0.604 χ^2/NDF : 1048.5/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.857+/-0.855 χ^2/NDF : 447.3/12
 Out: -58.532+/-0.853 χ^2/NDF : 586.2/13

All: -56.202+/-0.604 χ^2/NDF : 1048.5/26

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.668 ± 0.583 χ^2/NDF : 111.3/13

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

Left In: 8.733 ± 0.598 χ^2/NDF : 84.4/12

Left: 9.212 ± 0.417 χ^2/NDF : 196.9/26

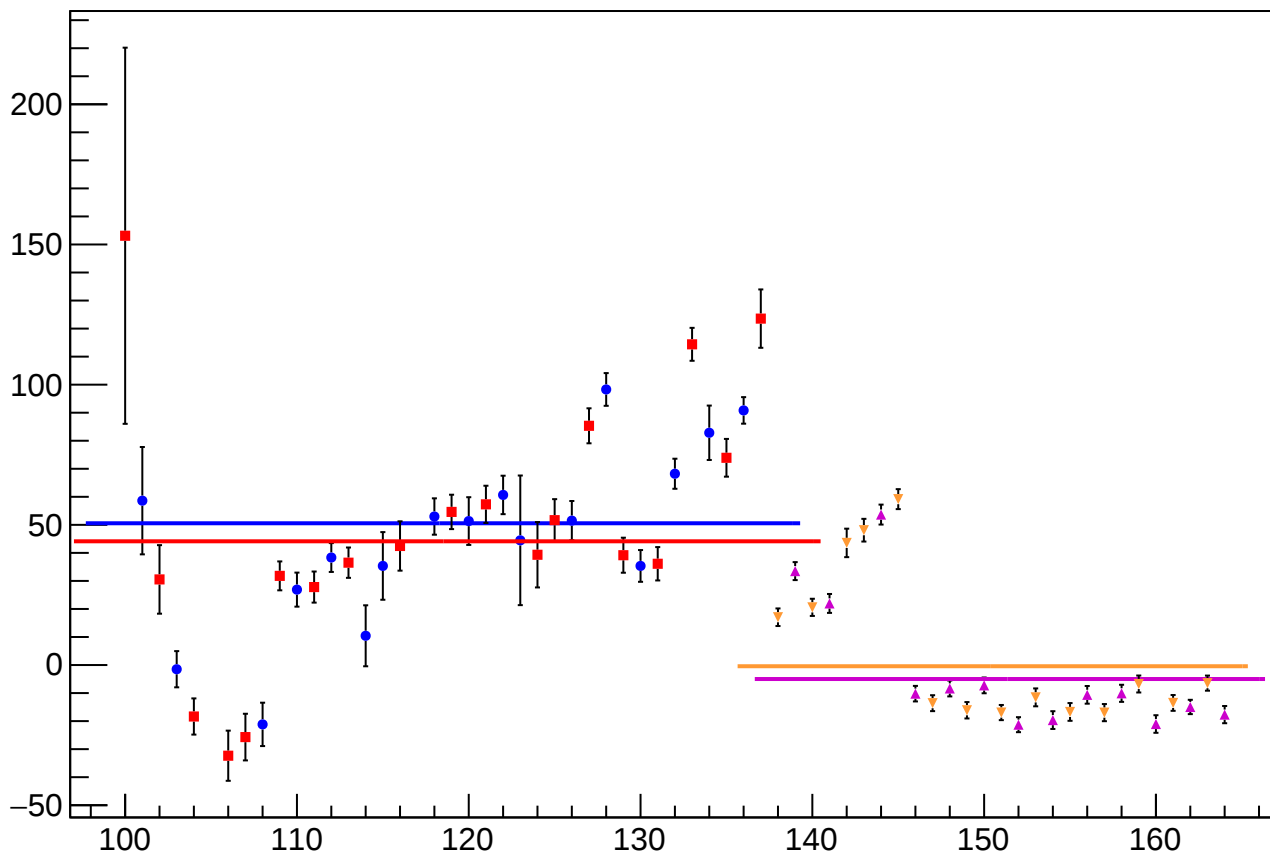
Right: 18.508 ± 0.628 χ^2/NDF : 403.9/35

In: 11.551 ± 0.501 χ^2/NDF : 363.8/29

Out: 12.527 ± 0.483 χ^2/NDF : 386.8/32

All: 12.057 ± 0.348 χ^2/NDF : 752.6/62

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: -0.429 $\pm$ 0.833 χ^2 /NDF: 763.5/13

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

Left In: -4.988 $\pm$ 0.829 χ^2 /NDF: 608.3/12

Left: -2.718 $\pm$ 0.588 χ^2 /NDF: 1386.9/26

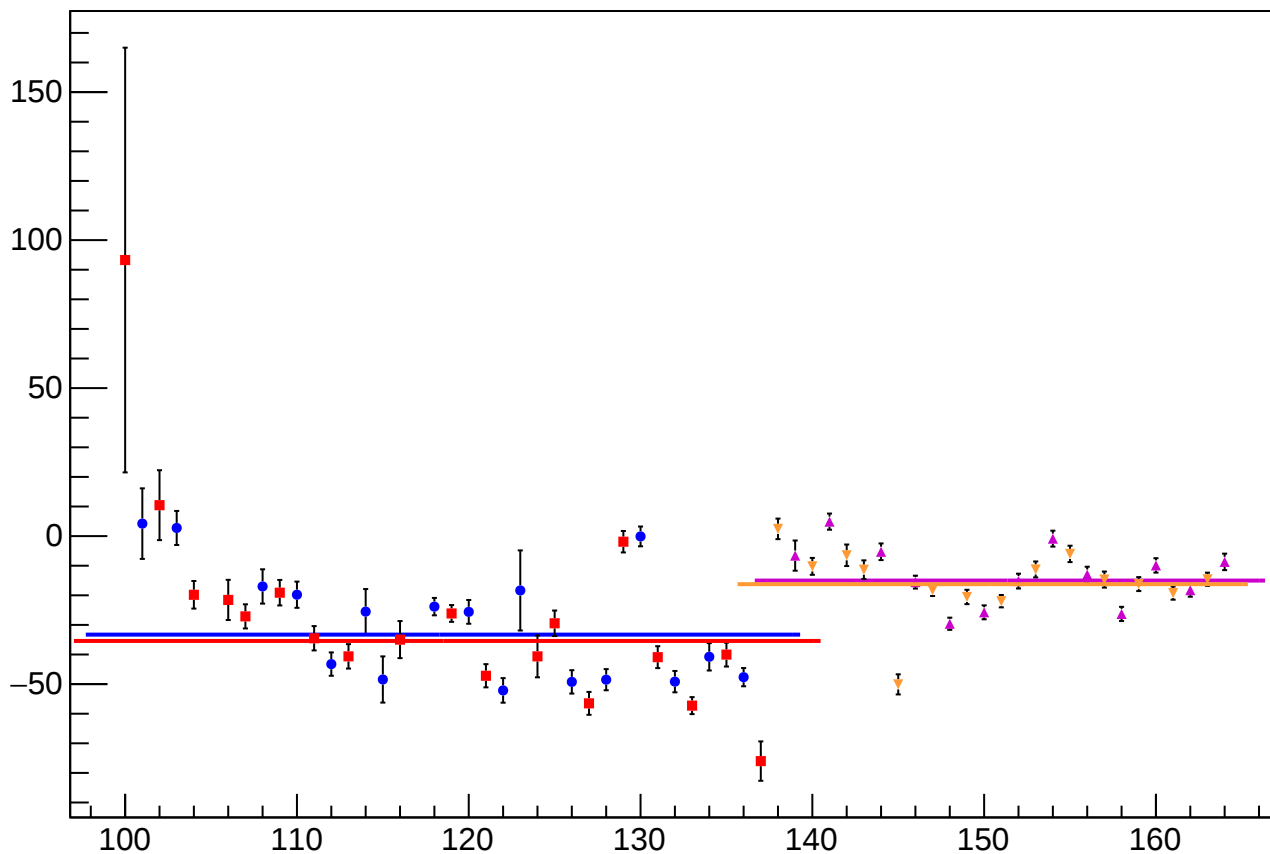
Right: 47.201 $\pm$ 1.159 χ^2 /NDF: 898.2/35

In: 5.920 $\pm$ 0.743 χ^2 /NDF: 1847.5/29

Out: 9.043 $\pm$ 0.739 χ^2 /NDF: 1904.9/32

All: 7.491 $\pm$ 0.524 χ^2 /NDF: 3761.4/62

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.243 ± 0.689 χ^2/NDF : 174.0/13

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

Left In: -15.020 ± 0.700 χ^2/NDF : 201.1/12

Left: -15.641 ± 0.491 χ^2/NDF : 376.6/26

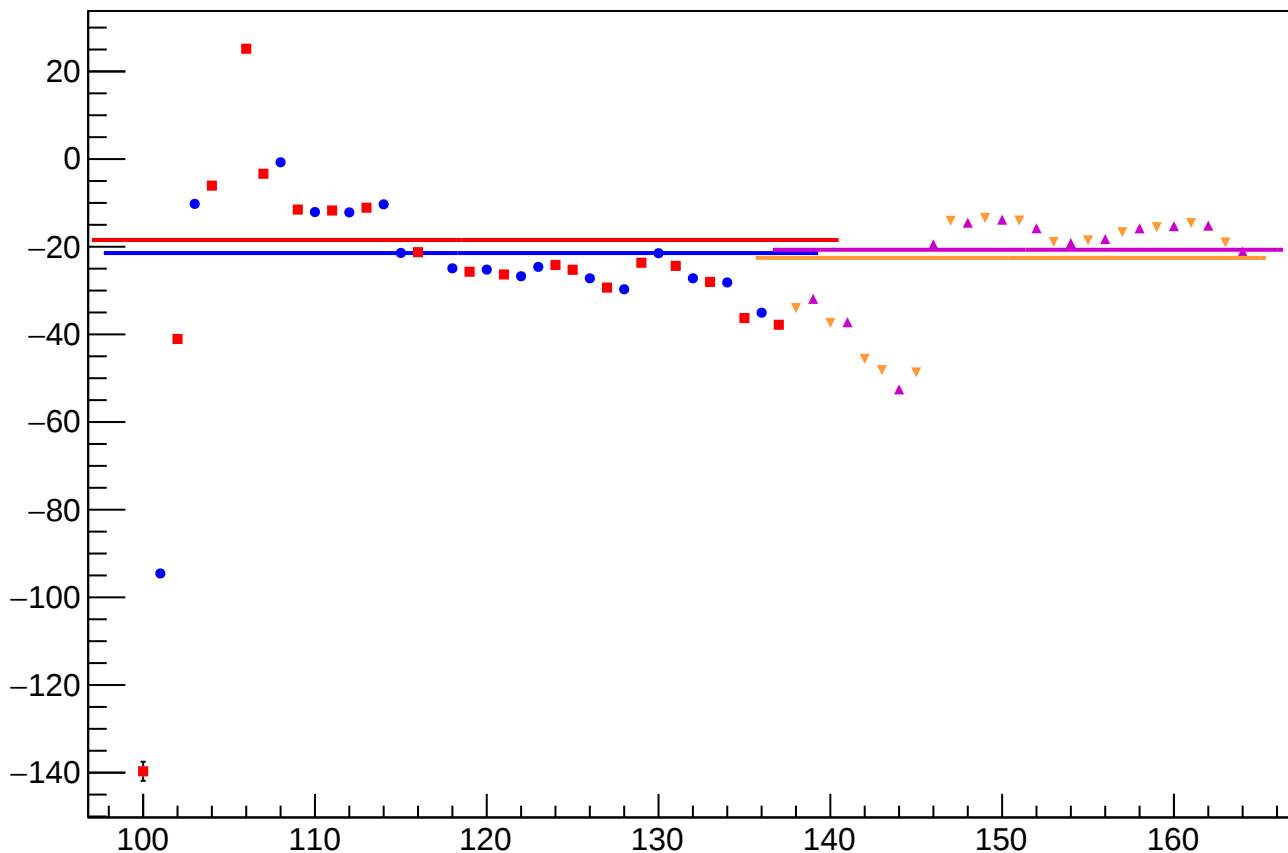
Right: -34.404 ± 0.719 χ^2/NDF : 582.0/35

In: -20.691 ± 0.582 χ^2/NDF : 702.4/29

Out: -22.485 ± 0.566 χ^2/NDF : 716.0/32

All: -21.613 ± 0.405 χ^2/NDF : 1423.3/62

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -22.543 ± 0.033 $\chi^2/\text{NDF}: 124543.4/13$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

Left In: -20.696 ± 0.032 $\chi^2/\text{NDF}: 82666.0/12$

Left: -21.616 ± 0.023 $\chi^2/\text{NDF}: 208828.6/26$

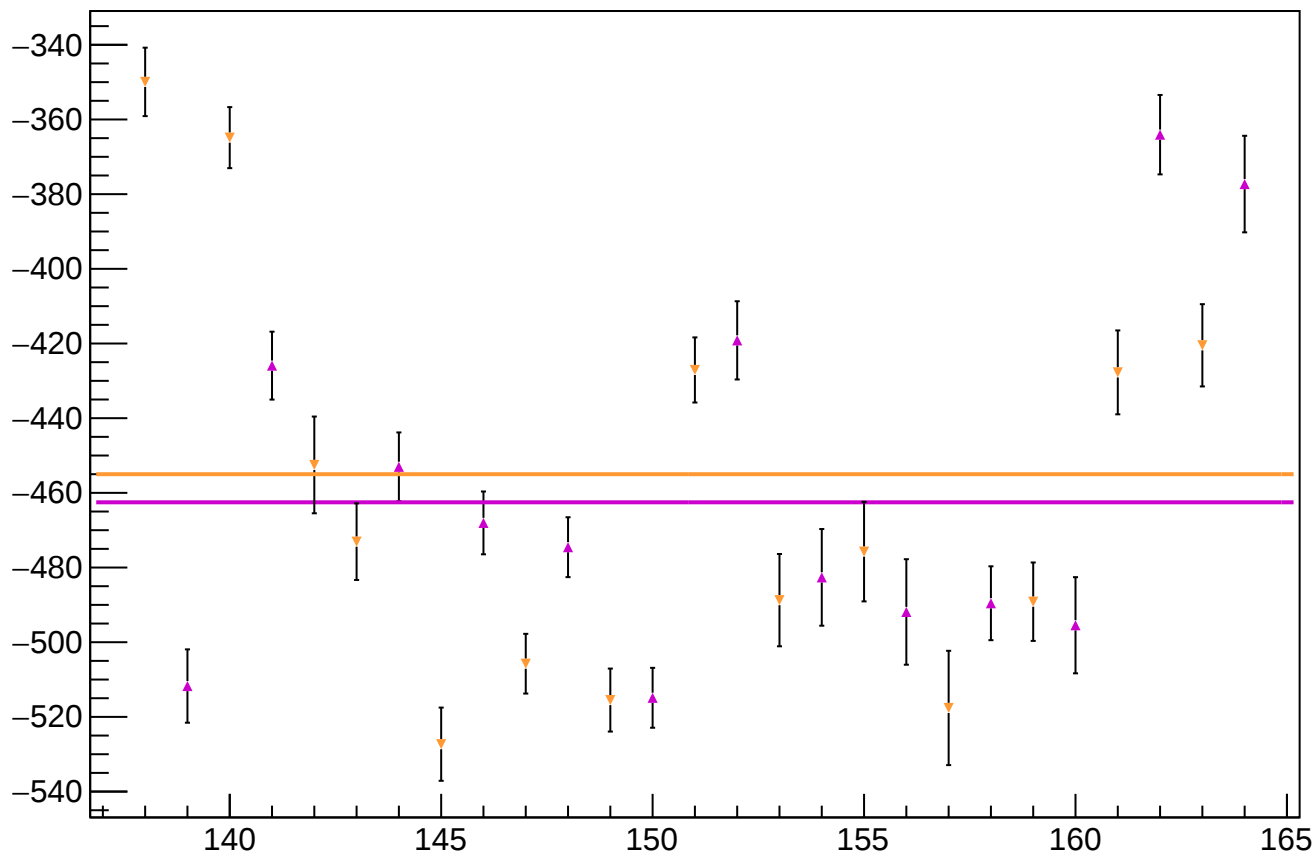
Right: -19.914 ± 0.041 $\chi^2/\text{NDF}: 130751.2/35$

In: -20.869 ± 0.028 $\chi^2/\text{NDF}: 131757.8/29$

Out: -21.552 ± 0.028 $\chi^2/\text{NDF}: 208839.4/32$

All: -21.212 ± 0.020 $\chi^2/\text{NDF}: 340887.3/62$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -455.002+/-2.699 χ^2/NDF :465.4/13

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

Left In: -462.530+/-2.767 χ^2/NDF :254.6/12

Left: -458.673+/-1.932 χ^2/NDF : 723.8/26

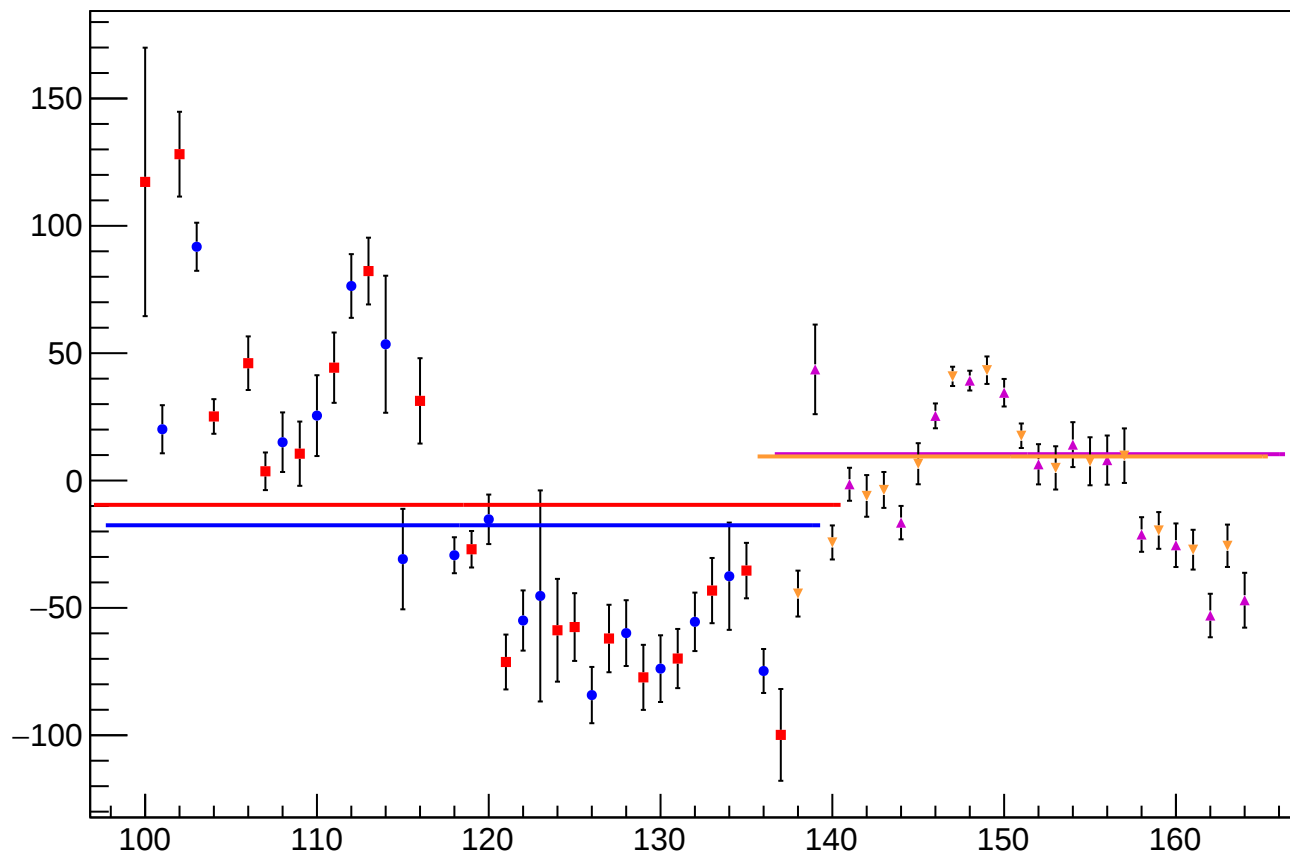
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -462.530+/-2.767 χ^2/NDF :254.6/12

Out: -455.002+/-2.699 χ^2/NDF :465.4/13

All: -458.673+/-1.932 χ^2/NDF : 723.8/26

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 9.458 ± 1.778 χ^2/NDF : 235.8/13

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

Left In: 10.344 ± 1.857 χ^2/NDF : 231.3/12

Left: 9.882 ± 1.284 χ^2/NDF : 467.2/26

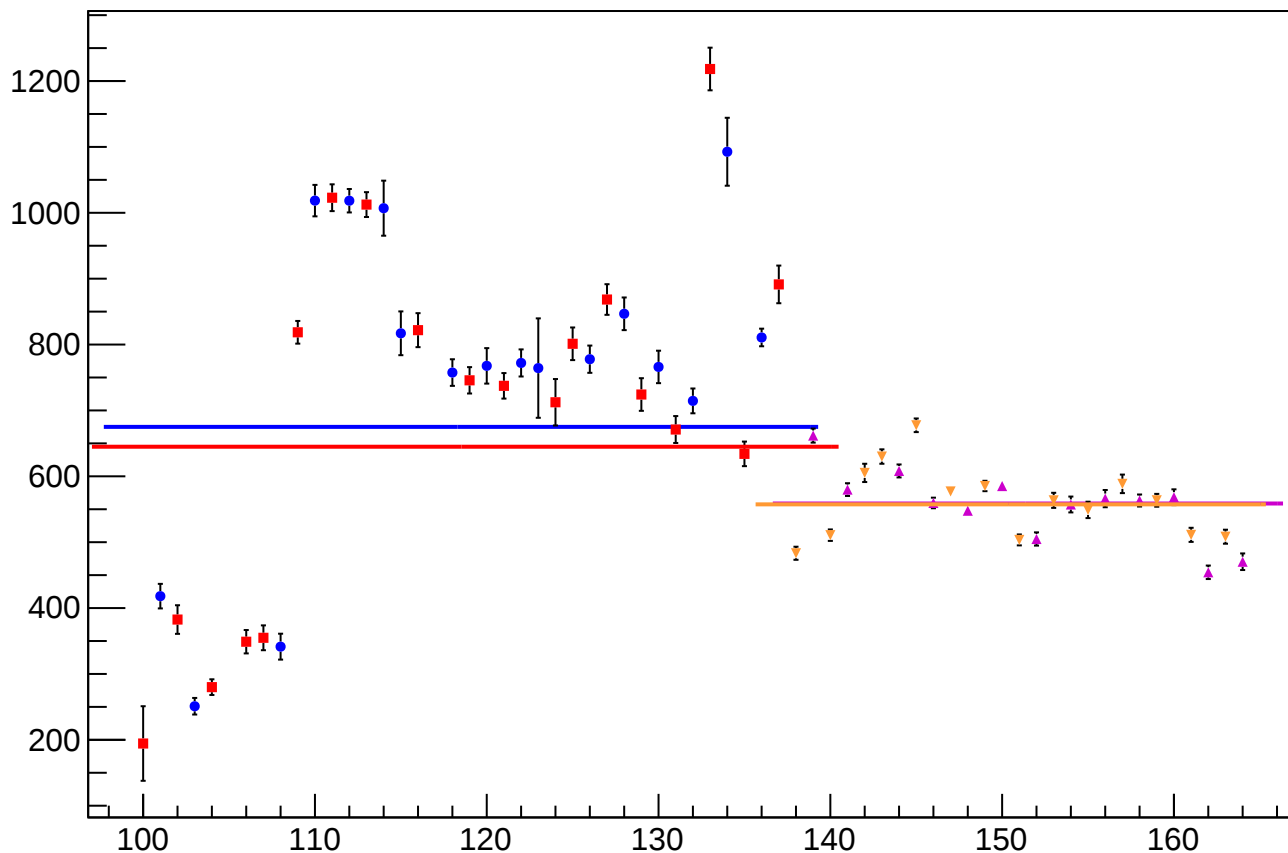
Right: -13.243 ± 1.915 χ^2/NDF : 738.4/35

In: 1.906 ± 1.551 χ^2/NDF : 663.3/29

Out: 3.428 ± 1.469 χ^2/NDF : 642.3/32

All: 2.708 ± 1.067 χ^2/NDF : 1306.1/62

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: 557.425 $\pm$ 2.654 χ^2 /NDF: 382.8/13

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

Left In: 558.722 $\pm$ 2.689 χ^2 /NDF: 321.6/12

Left: 558.065 $\pm$ 1.889 χ^2 /NDF: 704.5/26

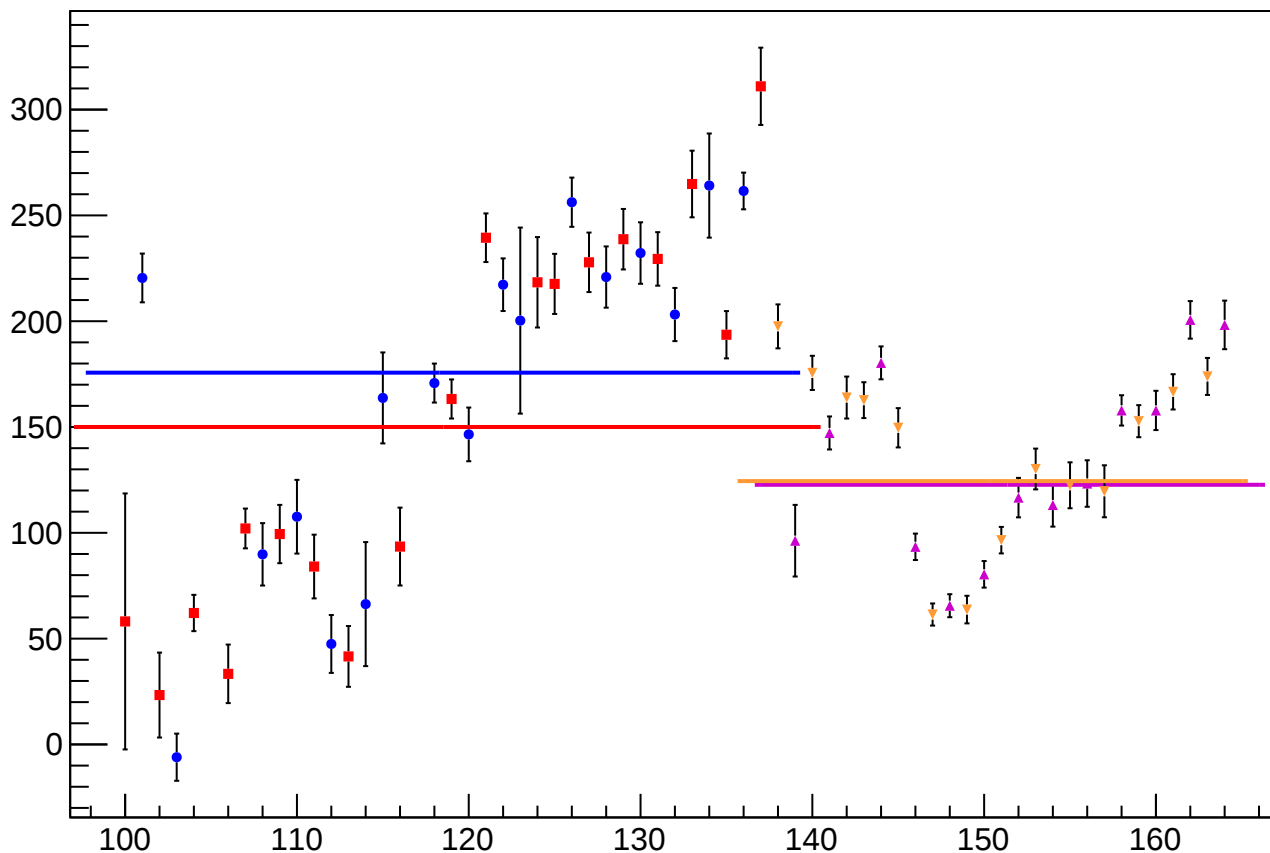
Right: 659.042 $\pm$ 3.470 χ^2 /NDF: 5725.3/35

In: 584.285 $\pm$ 2.376 χ^2 /NDF: 3317.1/29

Out: 578.164 $\pm$ 2.318 χ^2 /NDF: 3762.6/32

All: 581.150 $\pm$ 1.659 χ^2 /NDF: 7083.1/62

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: 124.446 $\pm$ 2.148 χ^2 /NDF: 457.3/13

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

Left In: 122.703 $\pm$ 2.225 χ^2 /NDF: 405.4/12

Left: 123.605 $\pm$ 1.545 χ^2 /NDF: 863.0/26

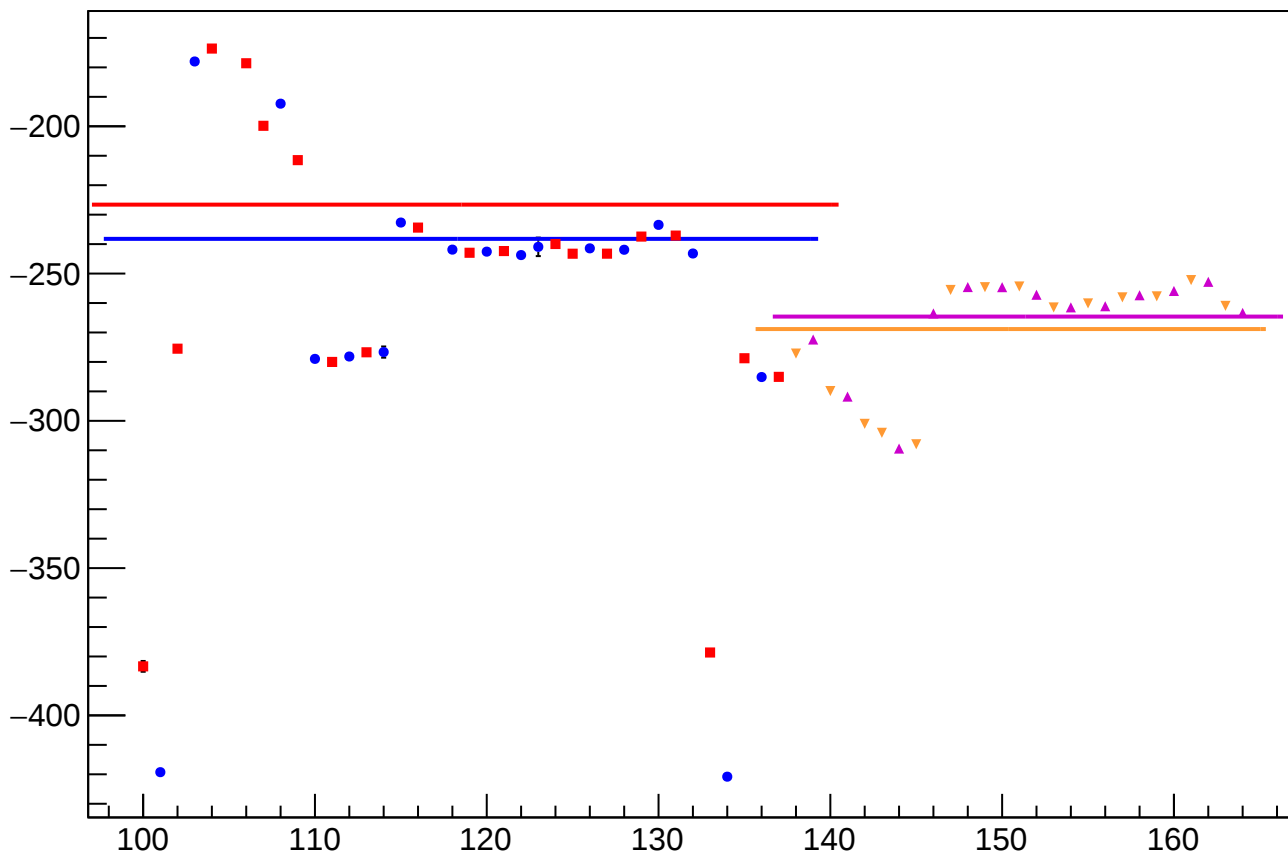
Right: 162.048 $\pm$ 2.217 χ^2 /NDF: 1365.0/35

In: 139.688 $\pm$ 1.834 χ^2 /NDF: 1225.1/29

Out: 132.956 $\pm$ 1.755 χ^2 /NDF: 1198.2/32

All: 136.174 $\pm$ 1.268 χ^2 /NDF: 2430.4/62

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 $\pm$ 0.160 χ^2 /NDF: 167120.0/16

Left Out: -268.839 $\pm$ 0.107 χ^2 /NDF:31534.8/13

Right Out: -226.597 $\pm$ 0.151 χ^2 /NDF: 102562.3/18

Left In: -264.603 $\pm$ 0.107 χ^2 /NDF:20252.7/12

Left: -266.732 $\pm$ 0.076 χ^2 /NDF: 52571.9/26

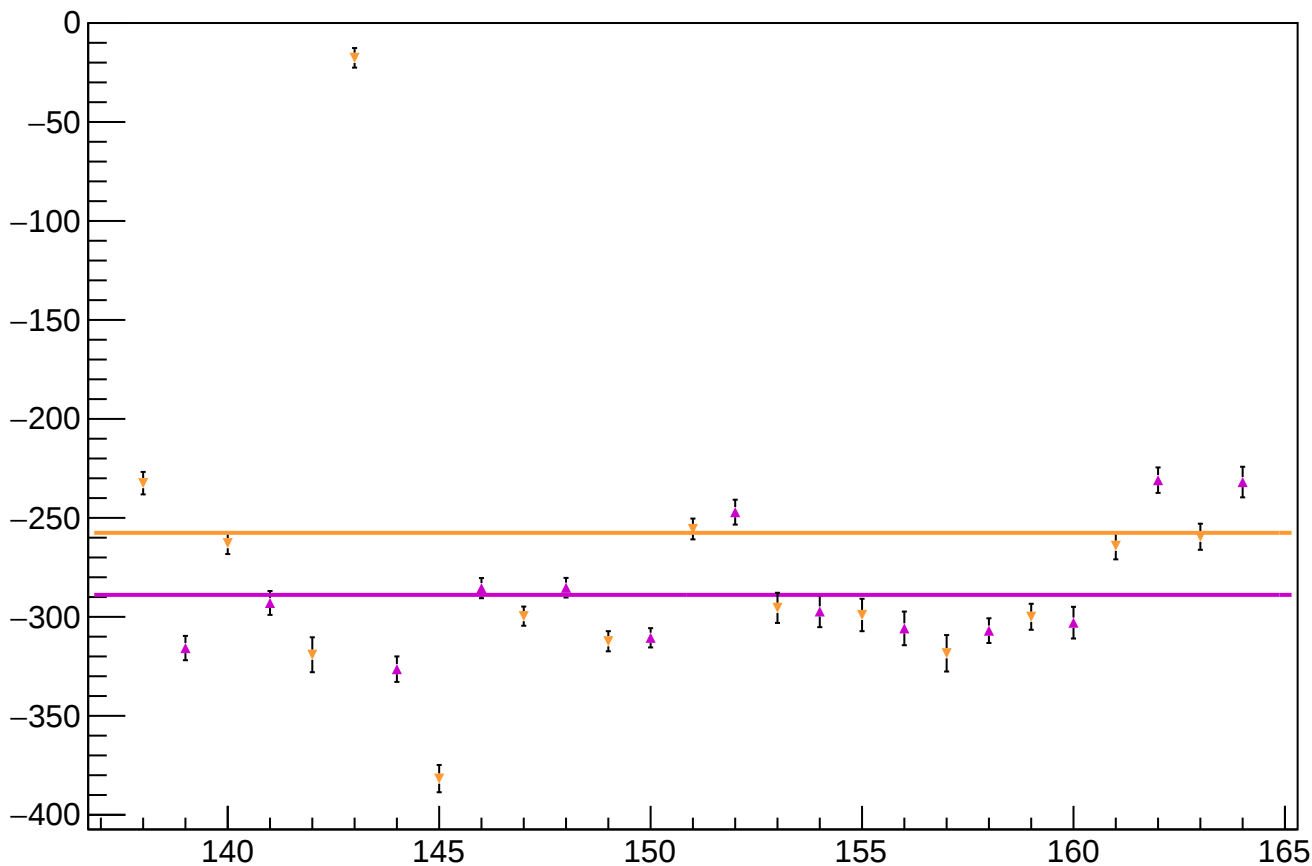
Right: -232.063 $\pm$ 0.110 χ^2 /NDF: 272459.7/35

In: -256.461 $\pm$ 0.089 χ^2 /NDF:206070.2/29

Out: -254.806 $\pm$ 0.087 χ^2 /NDF:186200.8/32

All: -255.615 $\pm$ 0.062 χ^2 /NDF: 392447.1/62

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -257.550+/-1.649 χ^2/NDF :3075.9/13

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

Left In: -288.893+/-1.723 χ^2/NDF :270.5/12

Left: -272.529+/-1.191 χ^2/NDF : 3519.2/26

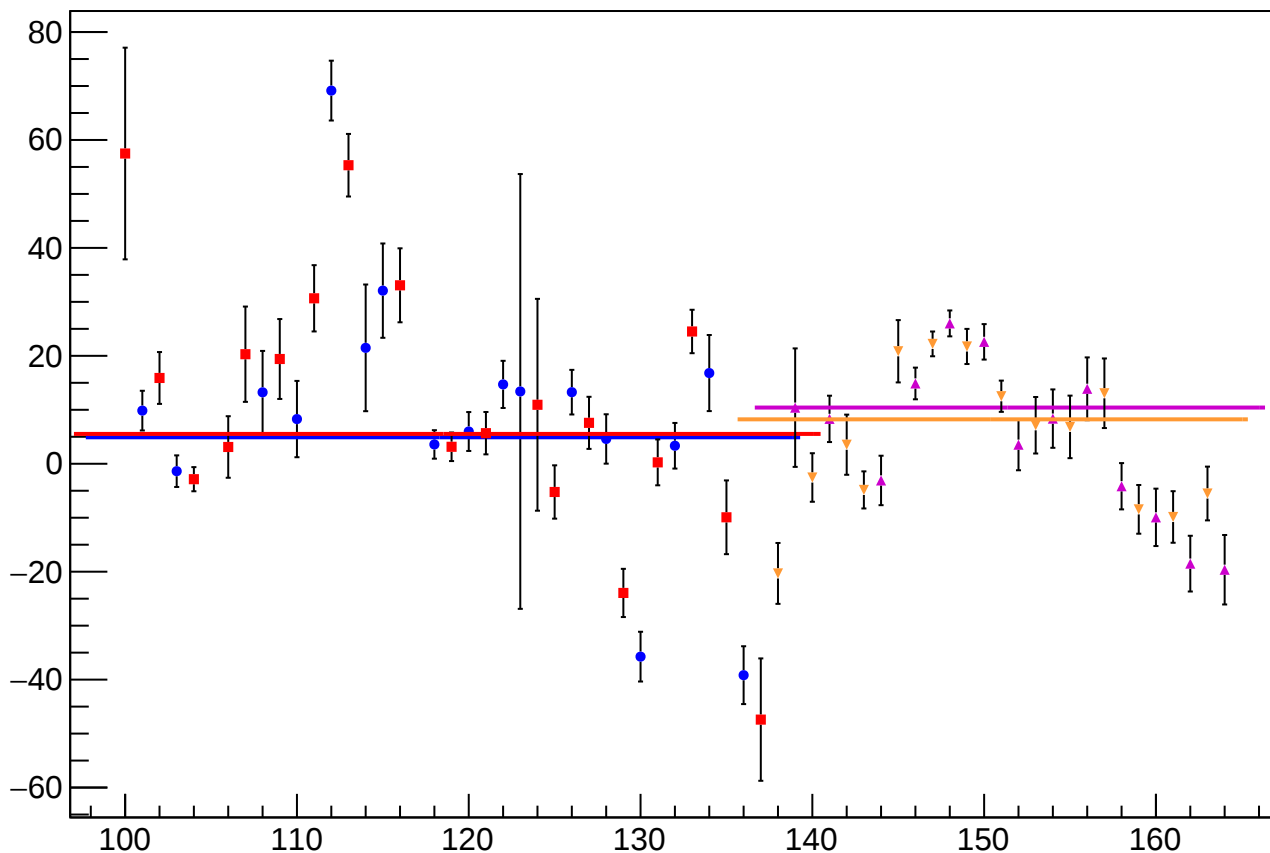
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -288.893+/-1.723 χ^2/NDF :270.5/12

Out: -257.550+/-1.649 χ^2/NDF :3075.9/13

All: -272.529+/-1.191 χ^2/NDF : 3519.2/26

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 $\pm$ 1.105 χ^2 /NDF: 311.7/16

Left Out: 8.231 $\pm$ 1.082 χ^2 /NDF:144.1/13

Right Out: 5.530 $\pm$ 1.069 χ^2 /NDF: 238.9/18

Left In: 10.415 $\pm$ 1.153 χ^2 /NDF:149.1/12

Left: 9.253 $\pm$ 0.789 χ^2 /NDF: 295.1/26

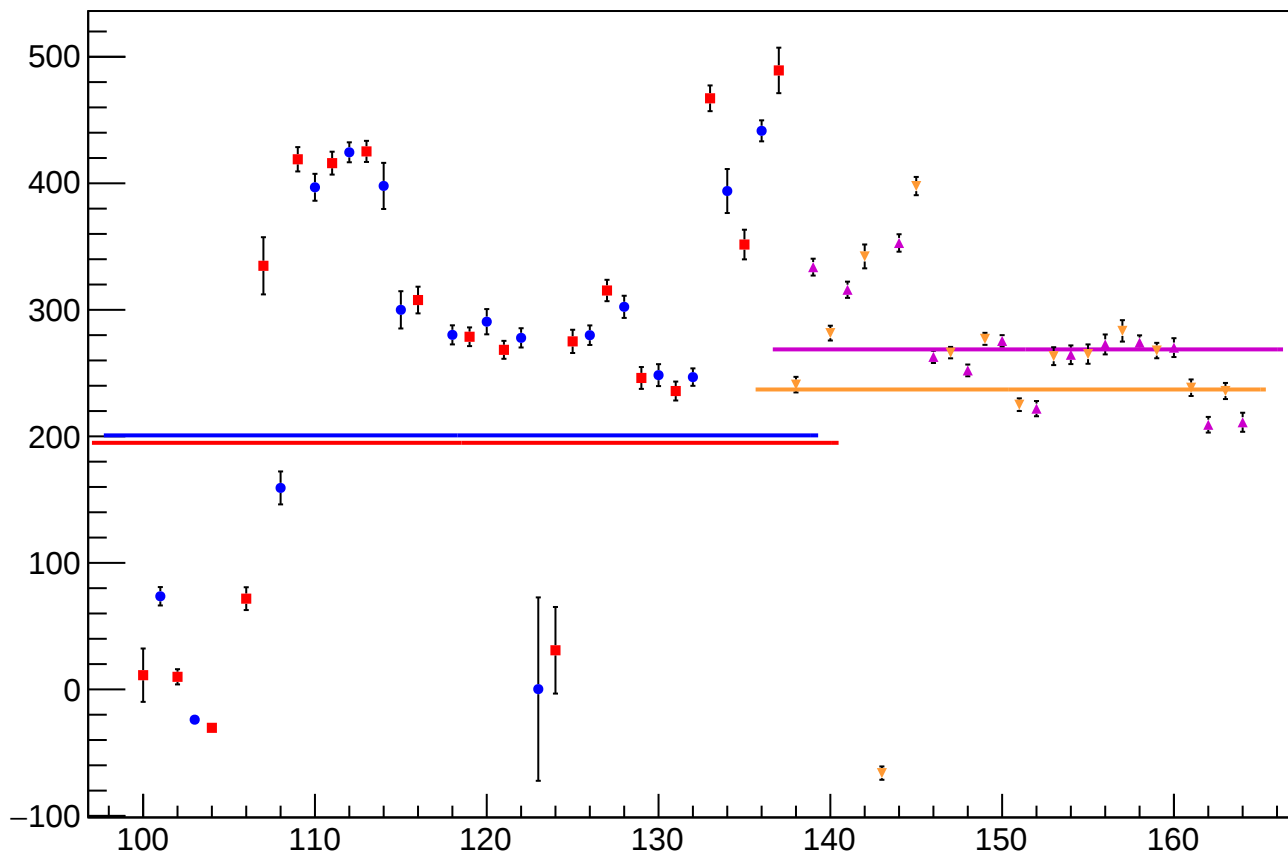
Right: 5.228 $\pm$ 0.768 χ^2 /NDF: 550.7/35

In: 7.543 $\pm$ 0.798 χ^2 /NDF:472.7/29

Out: 6.864 $\pm$ 0.760 χ^2 /NDF:386.2/32

All: 7.187 $\pm$ 0.550 χ^2 /NDF: 859.2/62

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: 237.048 $\pm$ 1.620 χ^2 /NDF: 4176.6/13

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

Left In: 268.732 $\pm$ 1.670 χ^2 /NDF: 527.7/12

Left: 252.410 $\pm$ 1.163 χ^2 /NDF: 4889.8/26

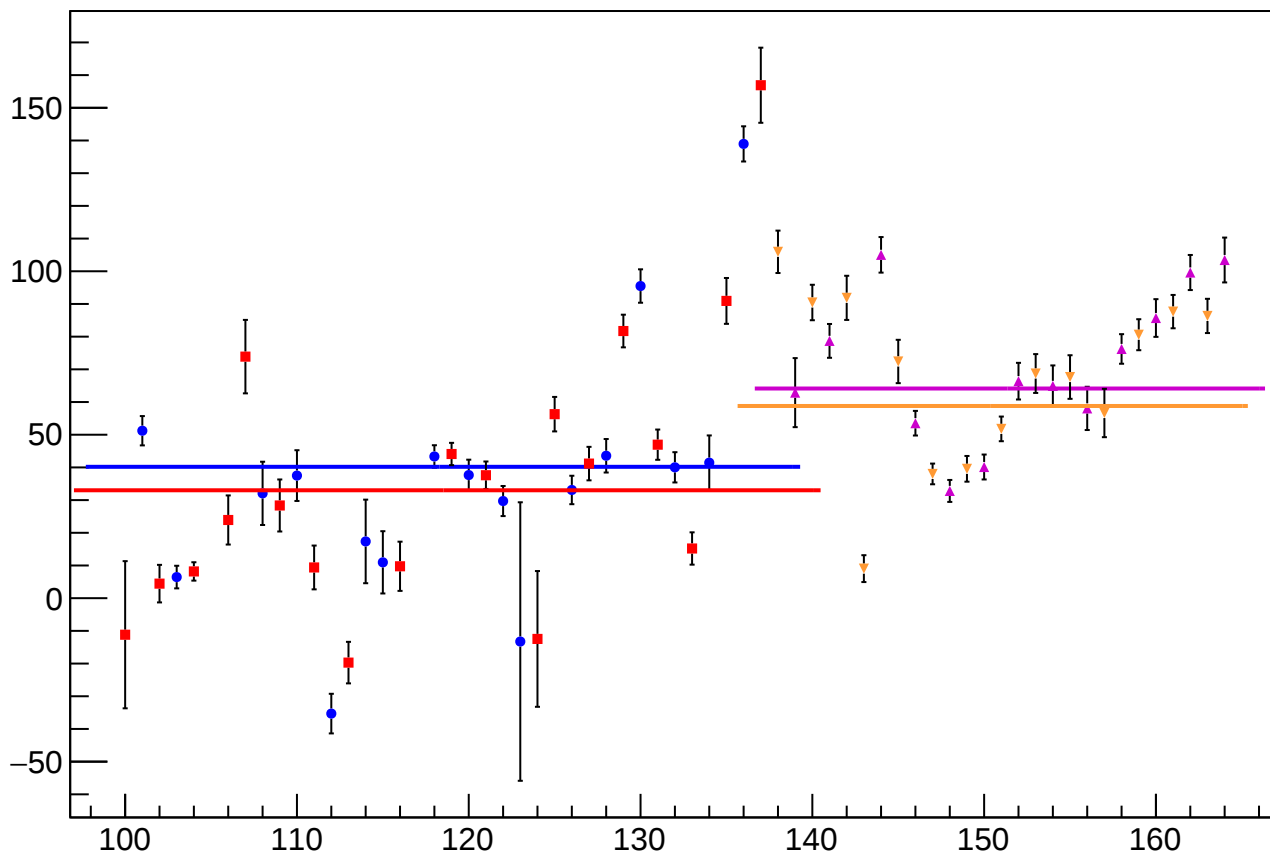
Right: 197.743 $\pm$ 1.381 χ^2 /NDF: 14984.6/35

In: 240.542 $\pm$ 1.277 χ^2 /NDF: 7947.9/29

Out: 219.559 $\pm$ 1.239 χ^2 /NDF: 12704.7/32

All: 229.733 $\pm$ 0.889 χ^2 /NDF: 20791.6/62

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185 $\pm$ 1.283 χ^2 /NDF: 734.6/16

Left Out: 58.791 $\pm$ 1.307 χ^2 /NDF:417.7/13

Right Out: 33.006 $\pm$ 1.250 χ^2 /NDF: 552.7/18

Left In: 64.133 $\pm$ 1.383 χ^2 /NDF:297.8/12

Left: 61.313 $\pm$ 0.950 χ^2 /NDF: 723.4/26

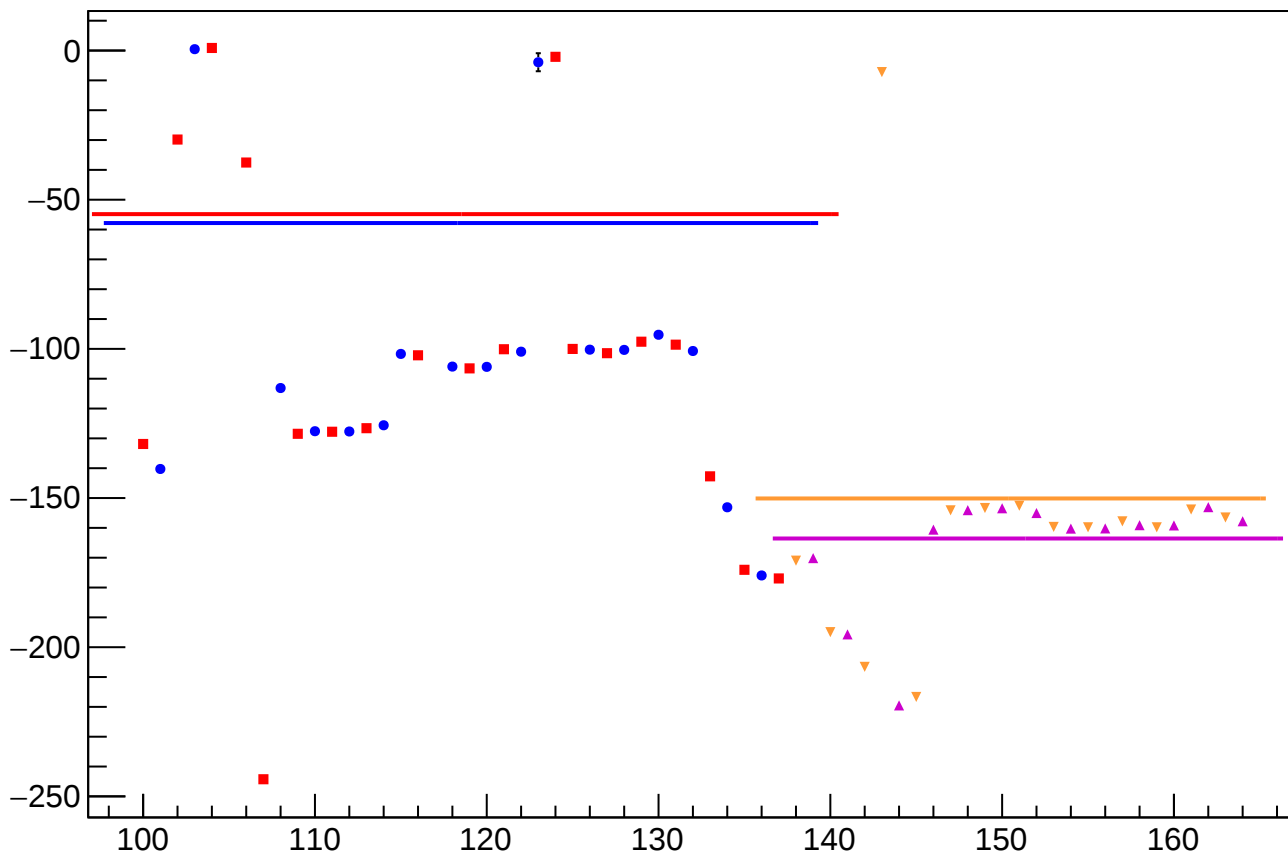
Right: 36.503 $\pm$ 0.896 χ^2 /NDF: 1303.3/35

In: 51.267 $\pm$ 0.941 χ^2 /NDF:1193.5/29

Out: 45.323 $\pm$ 0.904 χ^2 /NDF:1173.6/32

All: 48.176 $\pm$ 0.652 χ^2 /NDF: 2387.9/62

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -150.142 ± 0.065 $\chi^2/\text{NDF}: 579579.9/13$

Right Out: -54.833 ± 0.060 $\chi^2/\text{NDF}: 1000741.7/18$

Left In: -163.563 ± 0.067 $\chi^2/\text{NDF}: 60153.3/12$

Left: -156.704 ± 0.047 $\chi^2/\text{NDF}: 660541.3/26$

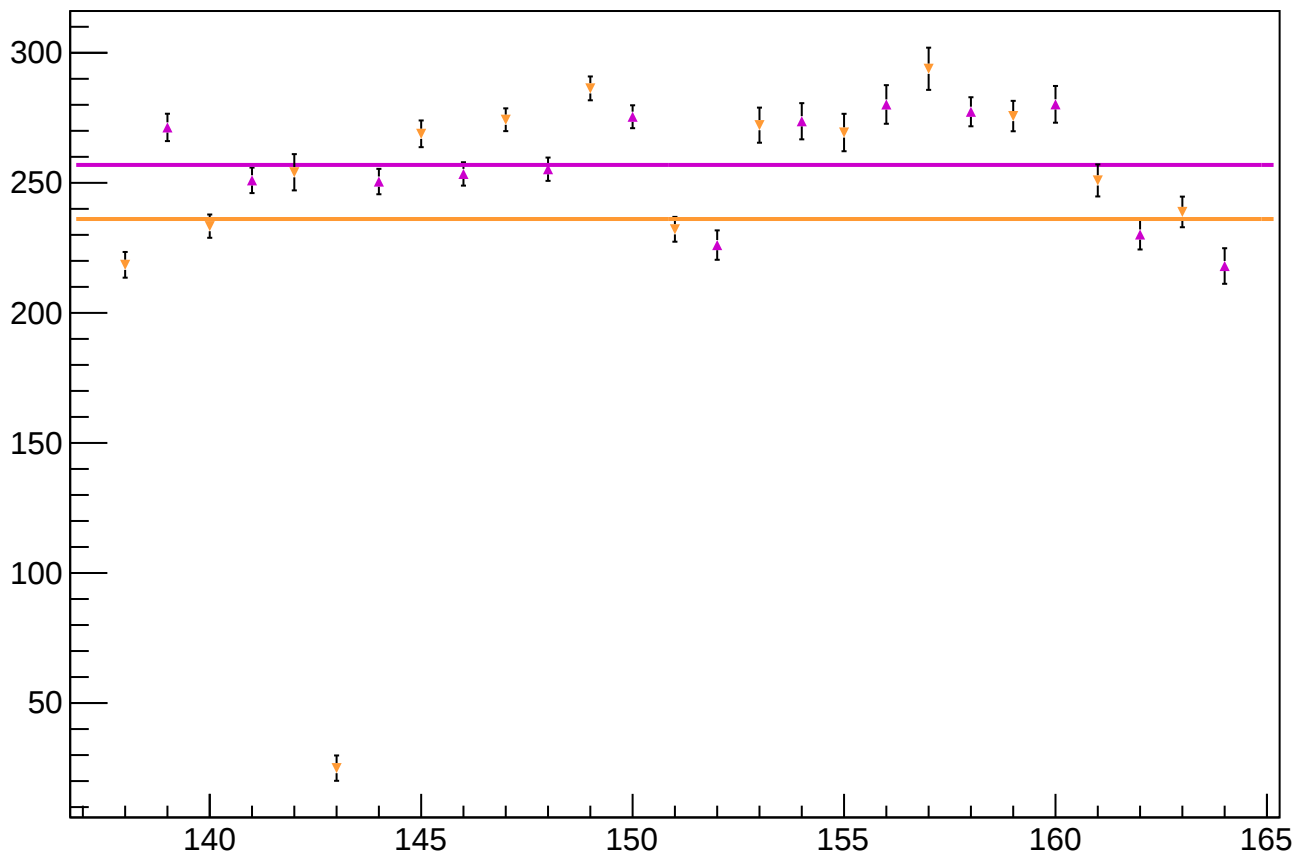
Right: -56.289 ± 0.043 $\chi^2/\text{NDF}: 2103236.7/35$

In: -106.806 ± 0.045 $\chi^2/\text{NDF}: 2518198.2/29$

Out: -98.822 ± 0.044 $\chi^2/\text{NDF}: 2735952.3/32$

All: -102.719 ± 0.032 $\chi^2/\text{NDF}: 5270076.6/62$

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: 236.098+/-1.449 χ^2/NDF :2288.9/13

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

Left In: 256.889+/-1.500 χ^2/NDF :152.6/12

Left: 246.136+/-1.042 χ^2/NDF : 2540.8/26

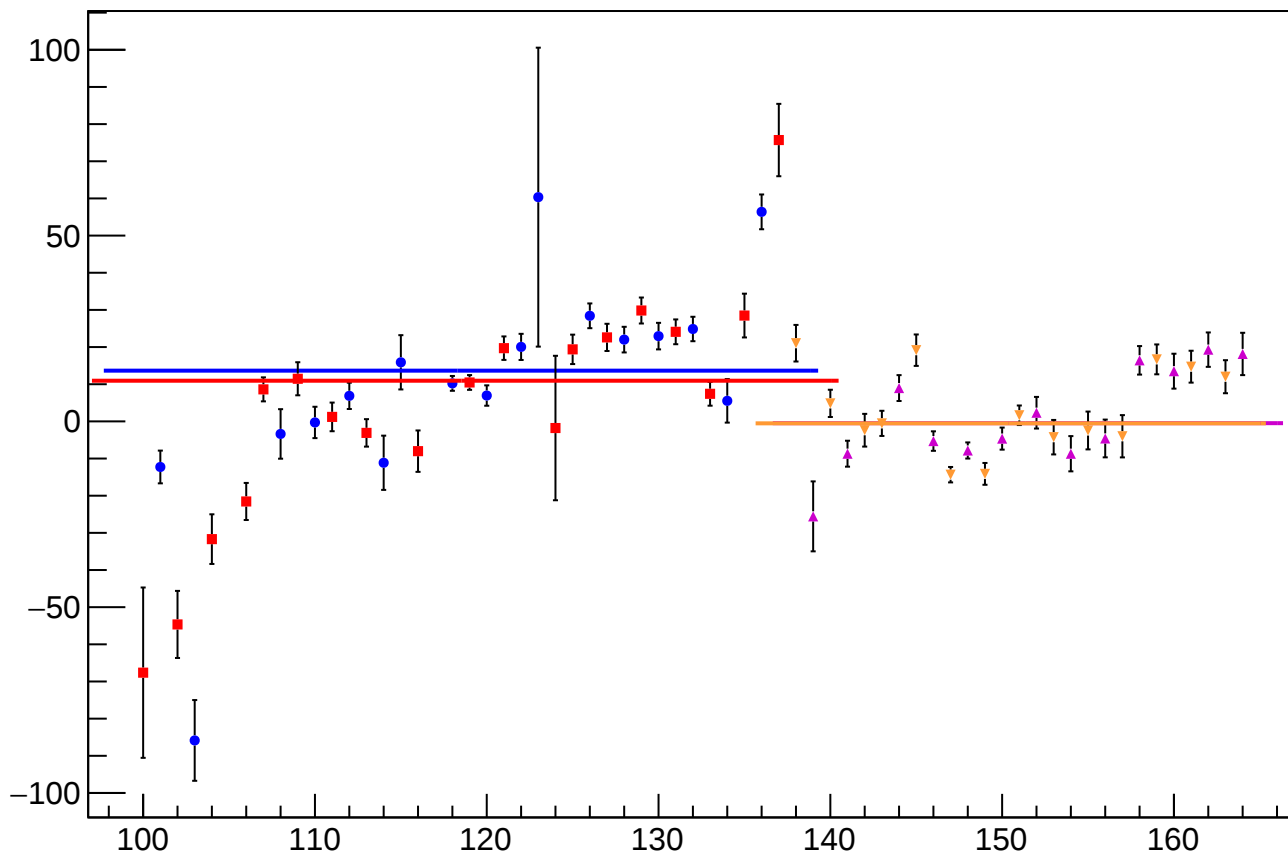
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 256.889+/-1.500 χ^2/NDF :152.6/12

Out: 236.098+/-1.449 χ^2/NDF :2288.9/13

All: 246.136+/-1.042 χ^2/NDF : 2540.8/26

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: -0.528+/-0.960 χ^2/NDF : 149.7/13

Right Out: 10.944+/-0.913 χ^2/NDF : 302.5/18

Left In: -0.480+/-1.012 χ^2/NDF : 98.2/12

Left: -0.505+/-0.697 χ^2/NDF : 247.8/26

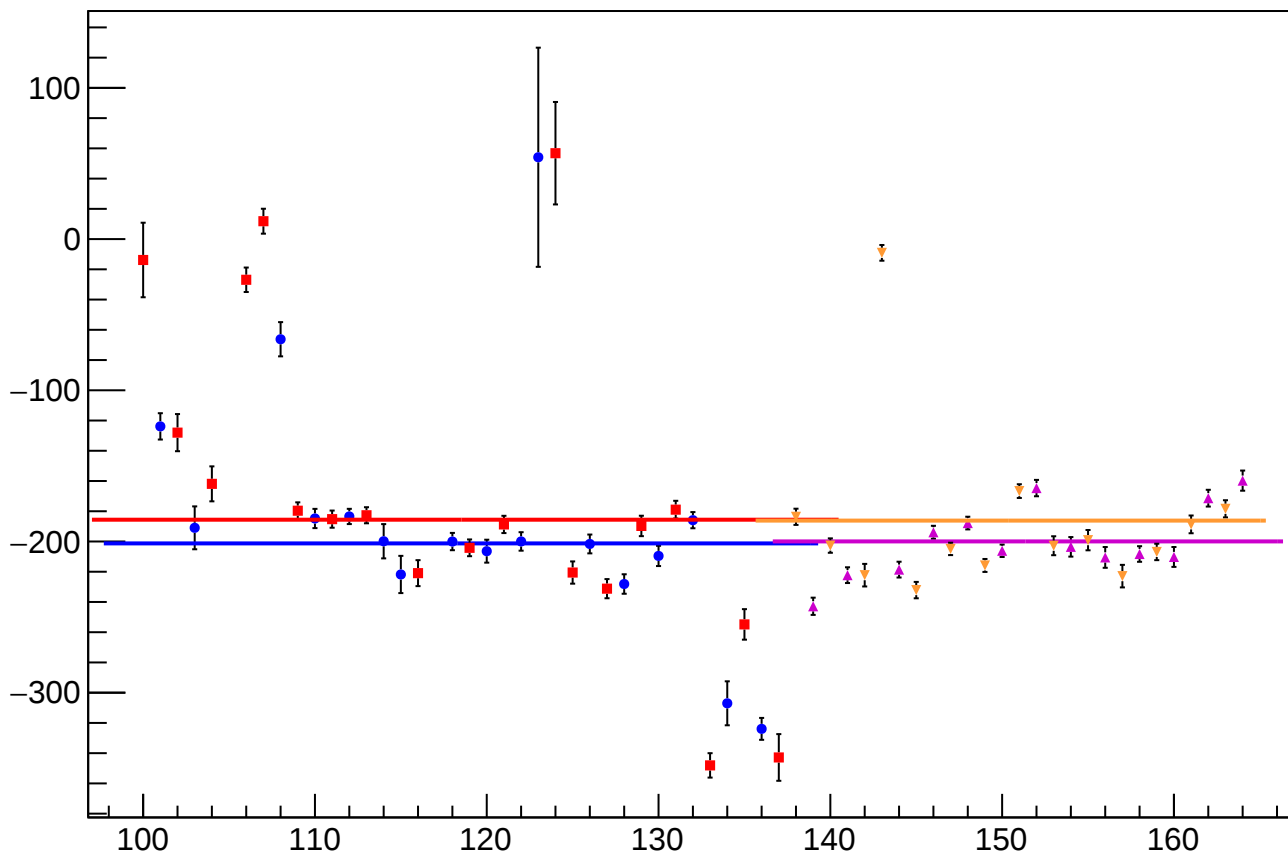
Right: 12.264+/-0.654 χ^2/NDF : 600.9/35

In: 7.137+/-0.687 χ^2/NDF : 497.2/29

Out: 5.494+/-0.662 χ^2/NDF : 527.2/32

All: 6.284+/-0.477 χ^2/NDF : 1027.4/62

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 $\chi^2/\text{NDF}: 623.4/16$

Left Out: -186.185 ± 1.428 $\chi^2/\text{NDF}: 1406.5/13$

Right Out: -185.593 ± 1.699 $\chi^2/\text{NDF}: 1746.0/18$

Left In: -199.949 ± 1.460 $\chi^2/\text{NDF}: 213.5/12$

Left: -192.917 ± 1.021 $\chi^2/\text{NDF}: 1665.4/26$

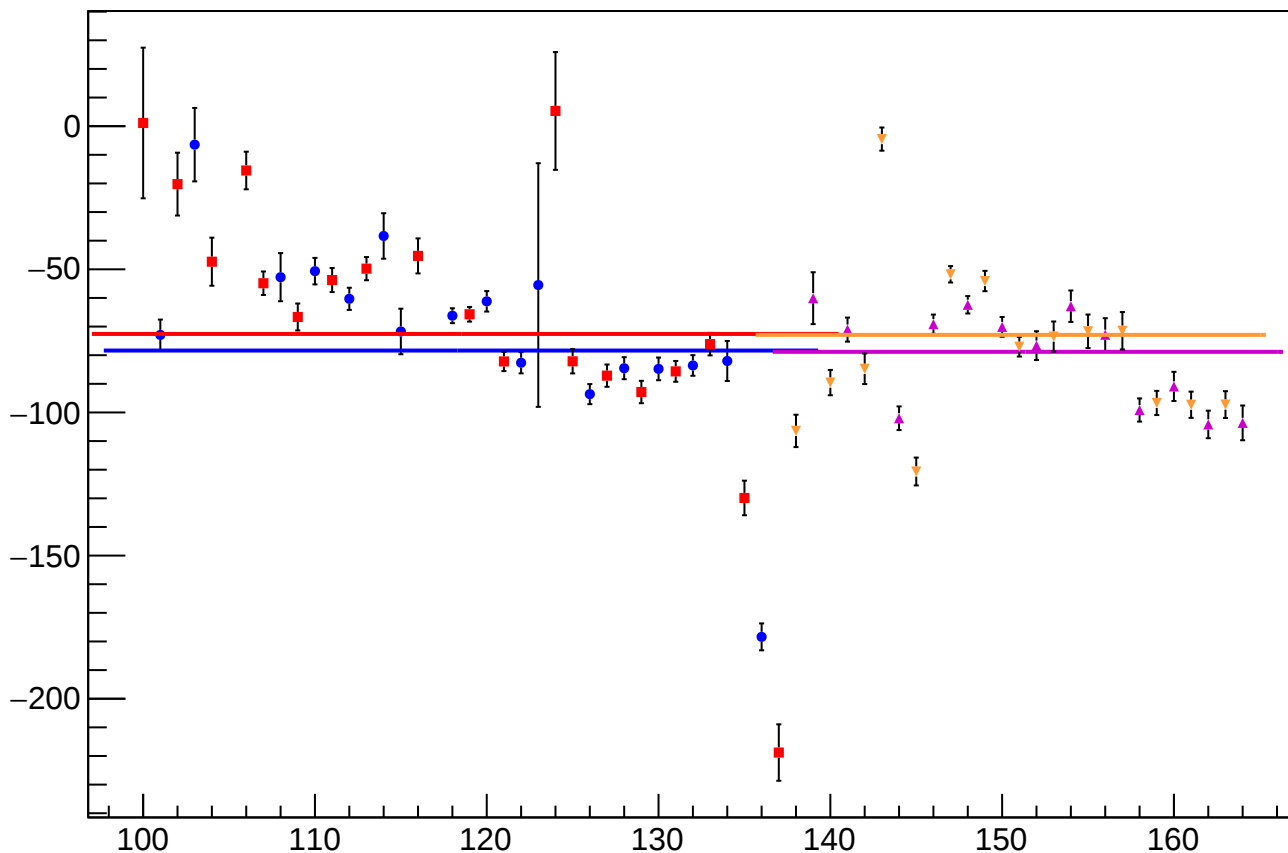
Right: -192.999 ± 1.234 $\chi^2/\text{NDF}: 2409.6/35$

In: -200.473 ± 1.133 $\chi^2/\text{NDF}: 837.2/29$

Out: -185.940 ± 1.093 $\chi^2/\text{NDF}: 3152.6/32$

All: -192.950 ± 0.787 $\chi^2/\text{NDF}: 4075.1/62$

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: -72.897 ± 1.158 χ^2/NDF : 608.0/13

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

Left In: -78.827 ± 1.211 χ^2/NDF : 168.3/12

Left: -75.729 ± 0.837 χ^2/NDF : 788.8/26

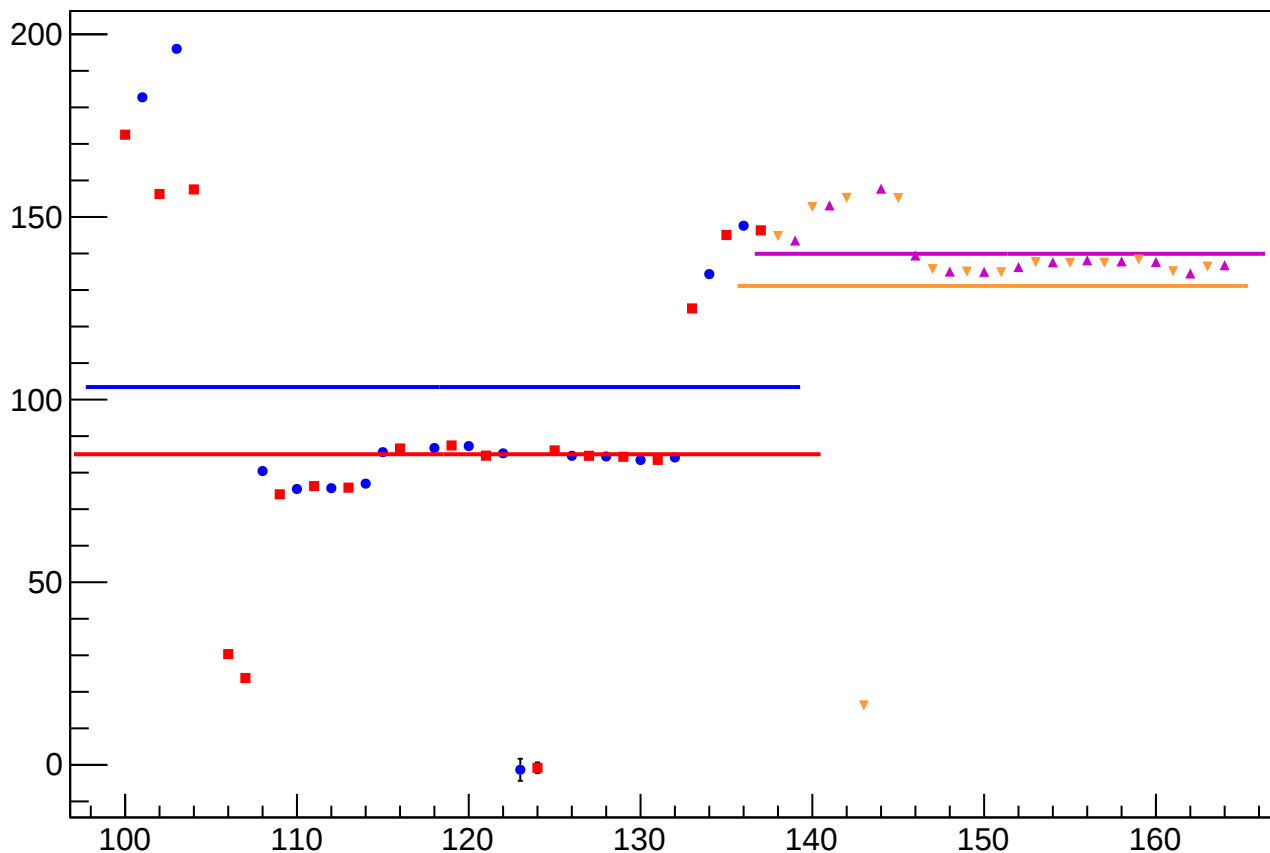
Right: -75.395 ± 0.754 χ^2/NDF : 1272.0/35

In: -78.576 ± 0.807 χ^2/NDF : 819.7/29

Out: -72.722 ± 0.778 χ^2/NDF : 1213.9/32

All: -75.545 ± 0.560 χ^2/NDF : 2060.9/62

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 131.117 $\pm$ 0.057 χ^2 /NDF:344925.1/13

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

Left In: 139.918 $\pm$ 0.058 χ^2 /NDF:13310.6/12

Left: 135.451 $\pm$ 0.041 χ^2 /NDF: 369851.7/26

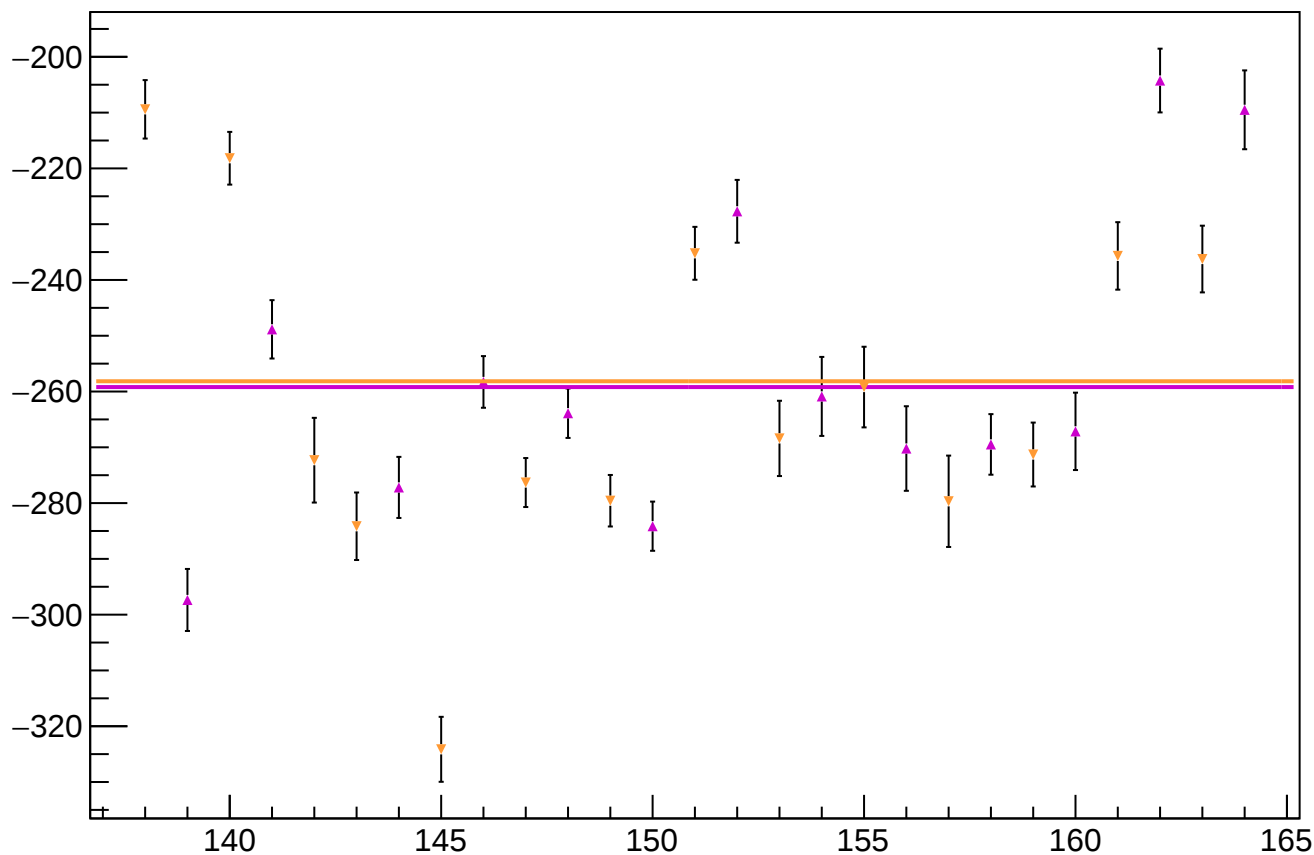
Right: 93.267 $\pm$ 0.047 χ^2 /NDF: 732362.9/35

In: 125.233 $\pm$ 0.045 χ^2 /NDF:444386.5/29

Out: 110.521 $\pm$ 0.043 χ^2 /NDF:1056207.2/32

All: 117.483 $\pm$ 0.031 χ^2 /NDF: 1556985.1/62

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: -258.159+/-1.507 χ^2/NDF : 412.2/13

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

Left In: -259.201+/-1.533 χ^2/NDF : 275.3/12

Left: -258.671+/-1.075 χ^2/NDF : 687.7/26

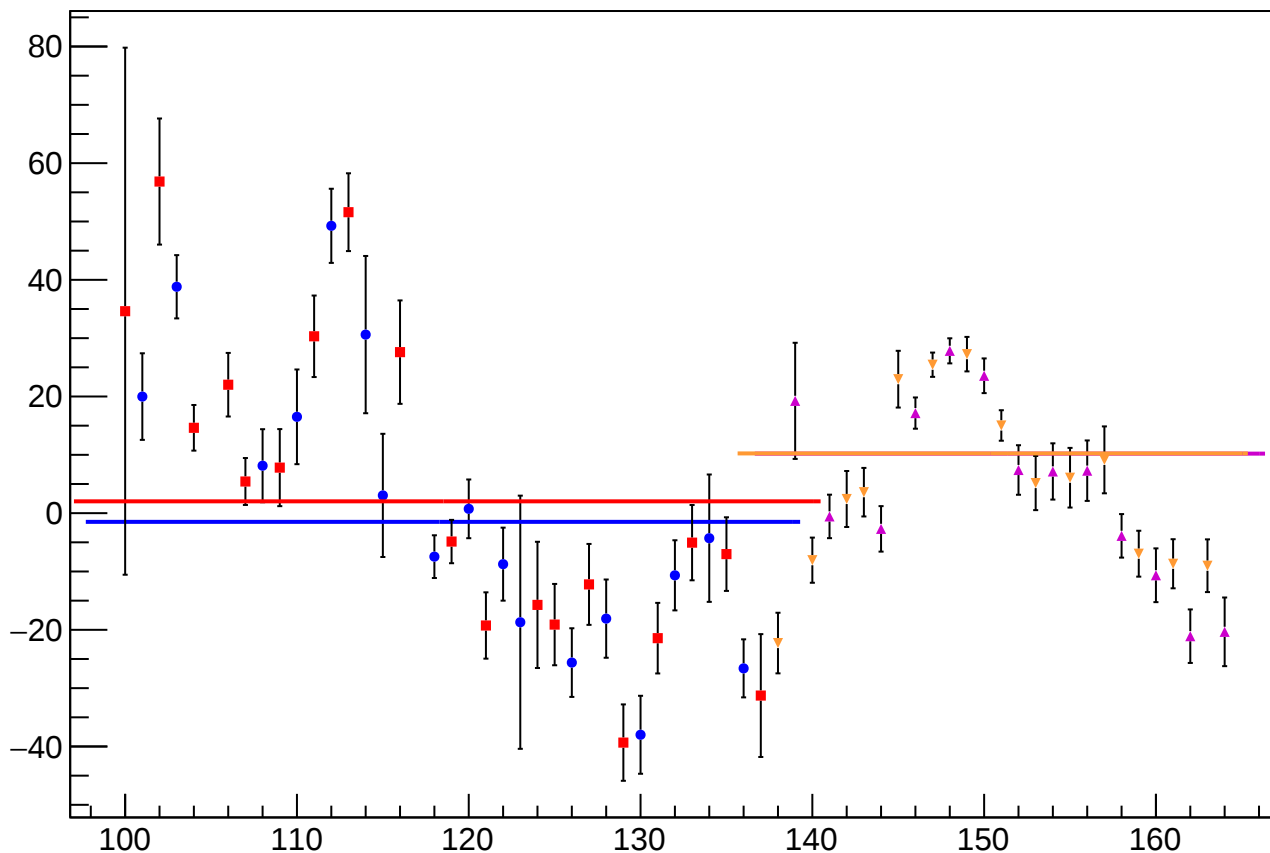
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -259.201+/-1.533 χ^2/NDF : 275.3/12

Out: -258.159+/-1.507 χ^2/NDF : 412.2/13

All: -258.671+/-1.075 χ^2/NDF : 687.7/26

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 10.241 ± 0.988 $\chi^2/\text{NDF}: 222.8/13$

Right Out: 2.028 ± 1.400 $\chi^2/\text{NDF}: 233.3/18$

Left In: 10.205 ± 1.027 $\chi^2/\text{NDF}: 223.6/12$

Left: 10.224 ± 0.712 $\chi^2/\text{NDF}: 446.3/26$

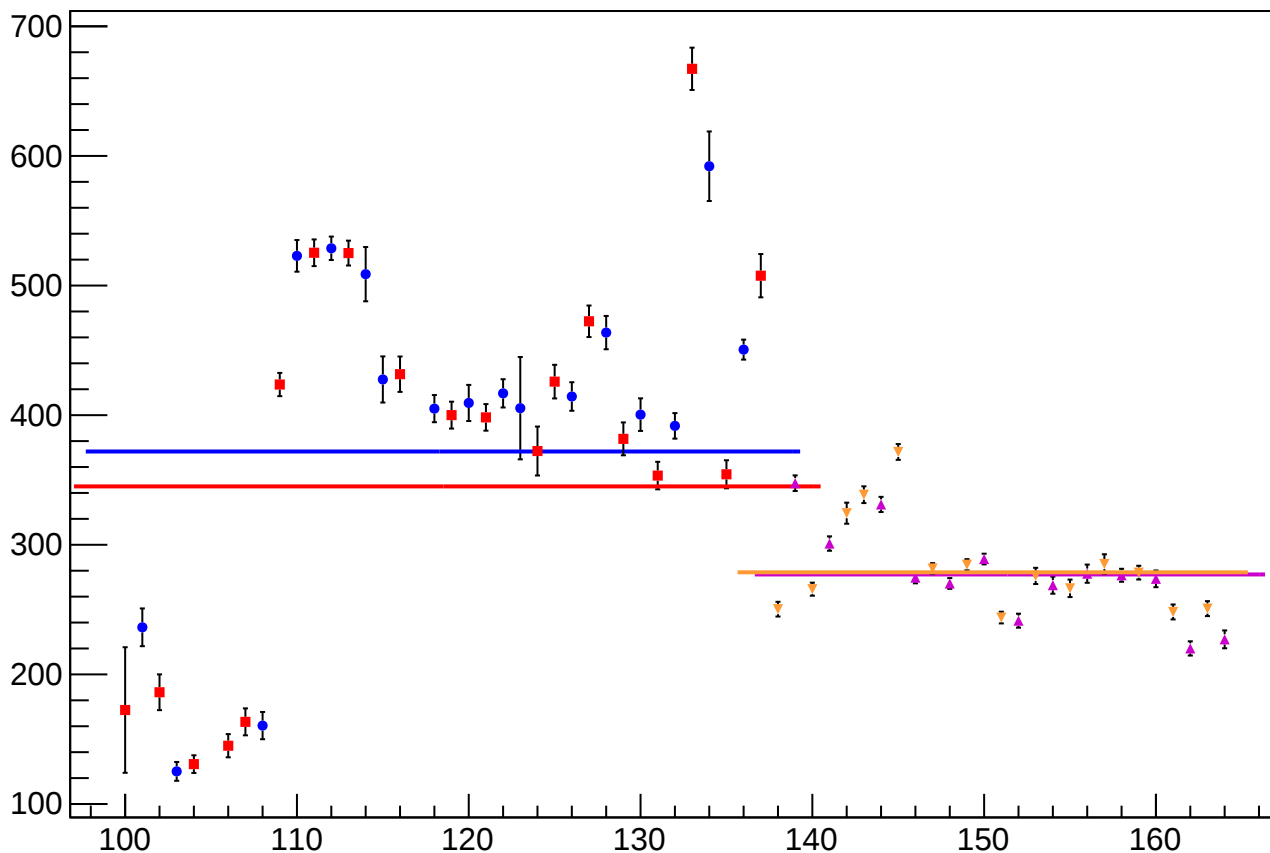
Right: 0.432 ± 1.035 $\chi^2/\text{NDF}: 462.1/35$

In: 6.592 ± 0.854 $\chi^2/\text{NDF}: 489.6/29$

Out: 7.508 ± 0.807 $\chi^2/\text{NDF}: 479.0/32$

All: 7.076 ± 0.587 $\chi^2/\text{NDF}: 969.2/62$

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: 278.762 $\pm$ 1.476 χ^2 /NDF:498.3/13

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

Left In: 277.112 $\pm$ 1.486 χ^2 /NDF:457.5/12

Left: 277.943 $\pm$ 1.047 χ^2 /NDF: 956.4/26

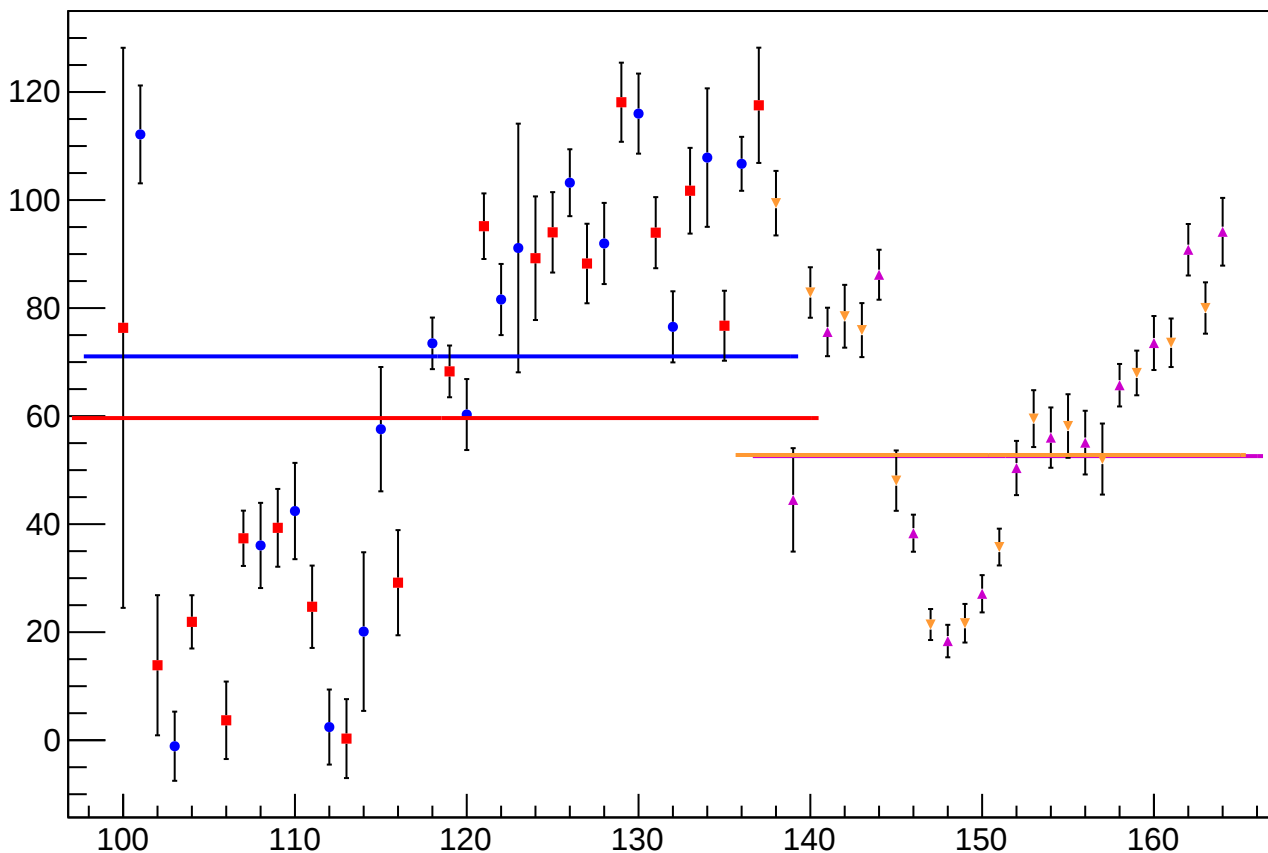
Right: 357.423 $\pm$ 1.883 χ^2 /NDF: 5898.6/35

In: 298.230 $\pm$ 1.311 χ^2 /NDF:3796.8/29

Out: 295.273 $\pm$ 1.279 χ^2 /NDF:4416.0/32

All: 296.715 $\pm$ 0.915 χ^2 /NDF: 8215.4/62

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 52.802 $\pm$ 1.194 χ^2 /NDF:434.7/13

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

Left In: 52.596 $\pm$ 1.230 χ^2 /NDF:418.7/12

Left: 52.702 $\pm$ 0.857 χ^2 /NDF: 853.4/26

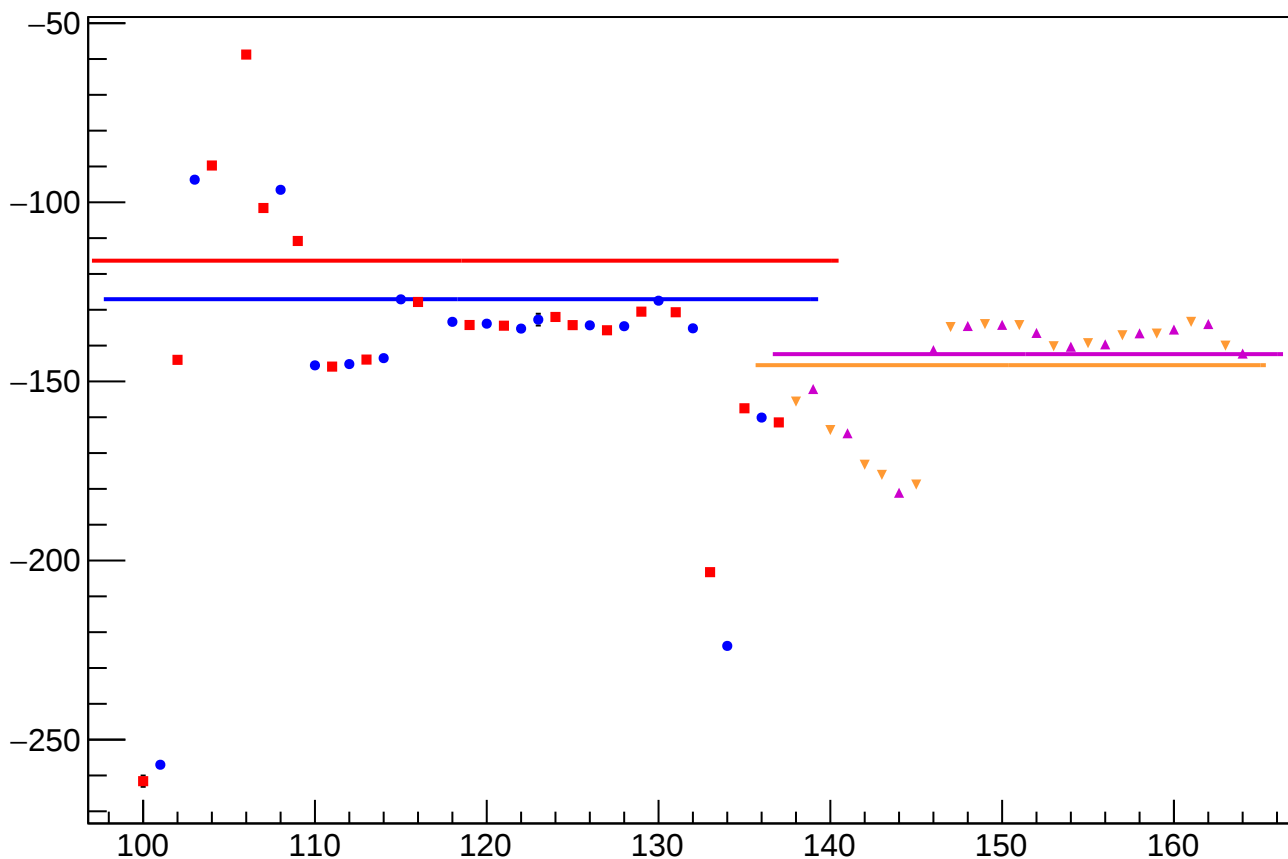
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 58.633 $\pm$ 1.009 χ^2 /NDF:918.6/29

Out: 55.186 $\pm$ 0.963 χ^2 /NDF:937.8/32

All: 56.830 $\pm$ 0.697 χ^2 /NDF: 1862.5/62

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -145.463+/-0.059 χ^2/NDF : 67275.8/13

Right Out: -116.295+/-0.083 χ^2/NDF : 167109.1/18

Left In: -142.385+/-0.059 χ^2/NDF : 43057.2/12

Left: -143.923+/-0.042 χ^2/NDF : 111685.0/26

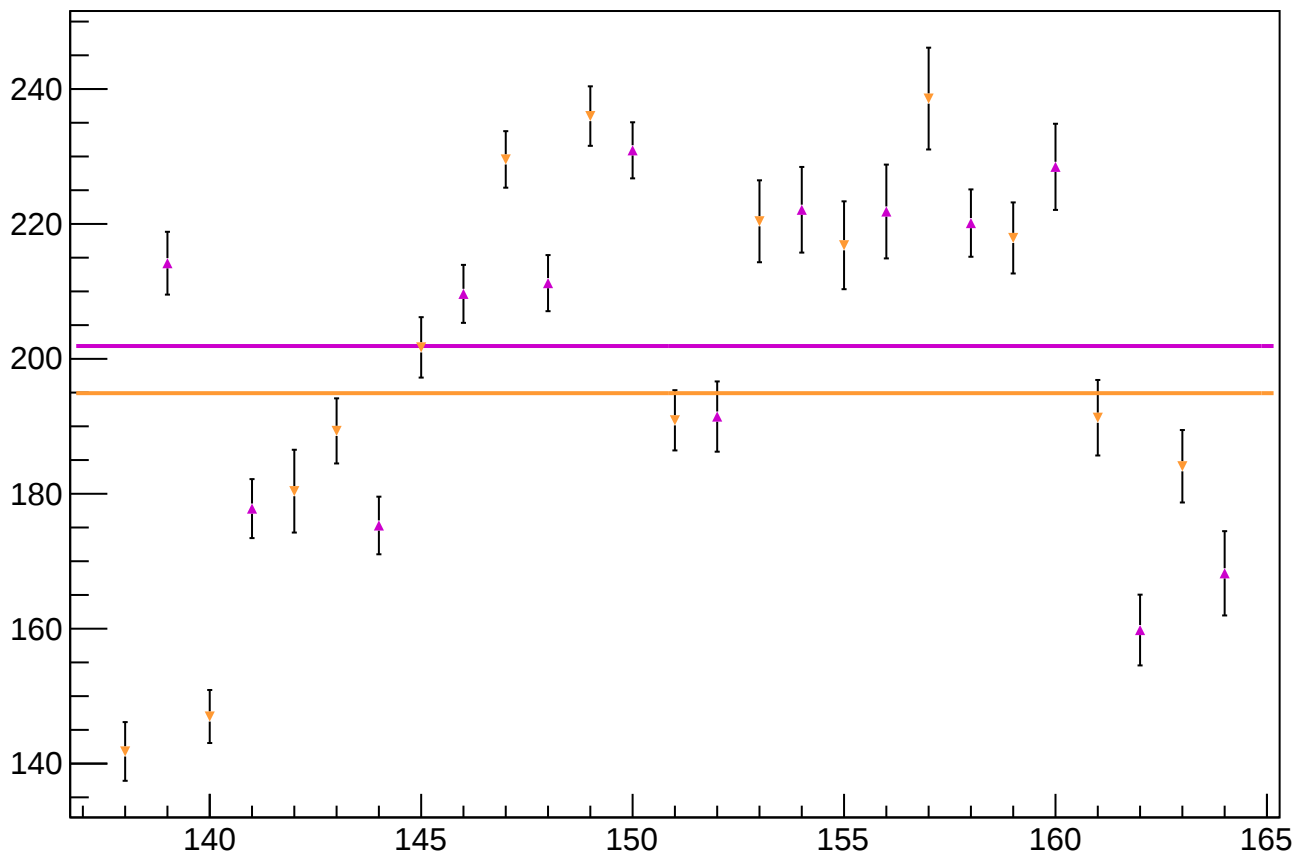
Right: -121.250+/-0.061 χ^2/NDF : 341860.6/35

In: -137.742+/-0.049 χ^2/NDF : 230417.8/29

Out: -135.621+/-0.048 χ^2/NDF : 316244.2/32

All: -136.656+/-0.035 χ^2/NDF : 547605.7/62

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: 194.914+/-1.329 χ^2/NDF : 548.8/13

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

Left In: 201.904+/-1.371 χ^2/NDF : 279.6/12

Left: 198.300+/-0.954 χ^2/NDF : 841.8/26

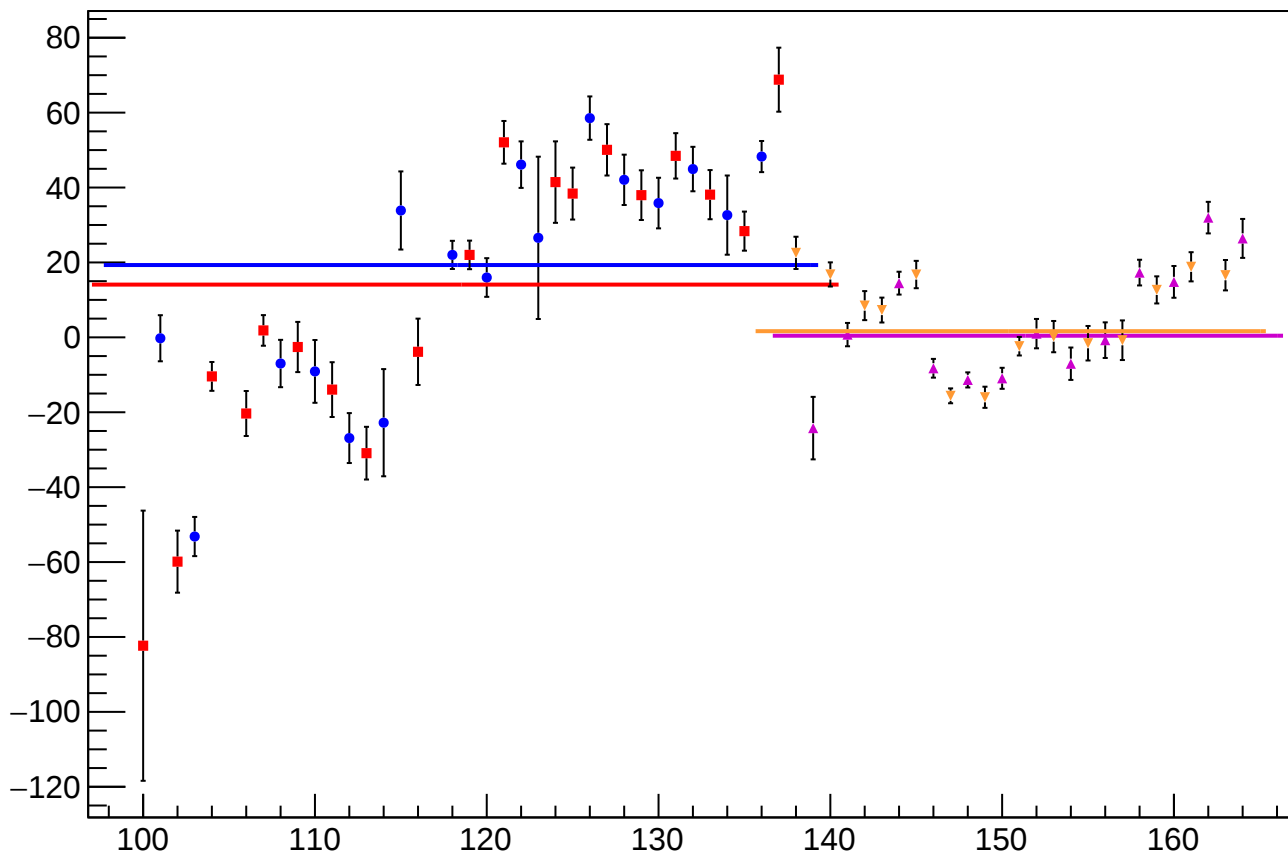
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 201.904+/-1.371 χ^2/NDF : 279.6/12

Out: 194.914+/-1.329 χ^2/NDF : 548.8/13

All: 198.300+/-0.954 χ^2/NDF : 841.8/26

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 $\chi^2/\text{NDF}: 441.3/16$

Left Out: 1.647 ± 0.888 $\chi^2/\text{NDF}: 229.2/13$

Right Out: 14.083 ± 1.390 $\chi^2/\text{NDF}: 436.9/18$

Left In: 0.436 ± 0.931 $\chi^2/\text{NDF}: 212.3/12$

Left: 1.070 ± 0.643 $\chi^2/\text{NDF}: 442.4/26$

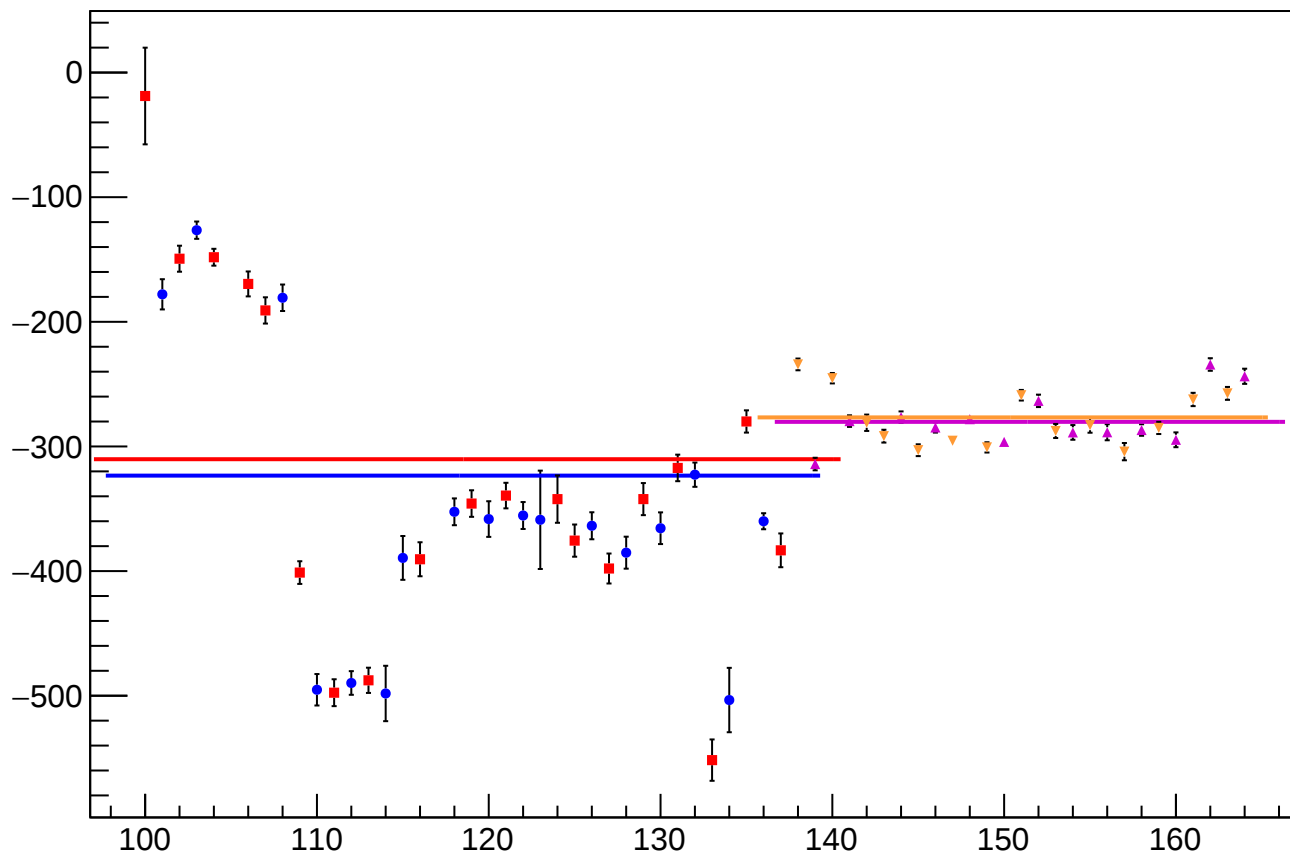
Right: 16.496 ± 1.020 $\chi^2/\text{NDF}: 884.7/35$

In: 5.682 ± 0.791 $\chi^2/\text{NDF}: 767.8/29$

Out: 5.254 ± 0.748 $\chi^2/\text{NDF}: 723.0/32$

All: 5.456 ± 0.544 $\chi^2/\text{NDF}: 1490.9/62$

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: -276.685 ± 1.313 $\chi^2/\text{NDF}: 296.4/13$

Right Out: -310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

Left In: -280.262 ± 1.337 $\chi^2/\text{NDF}: 206.5/12$

Left: -278.440 ± 0.937 $\chi^2/\text{NDF}: 506.5/26$

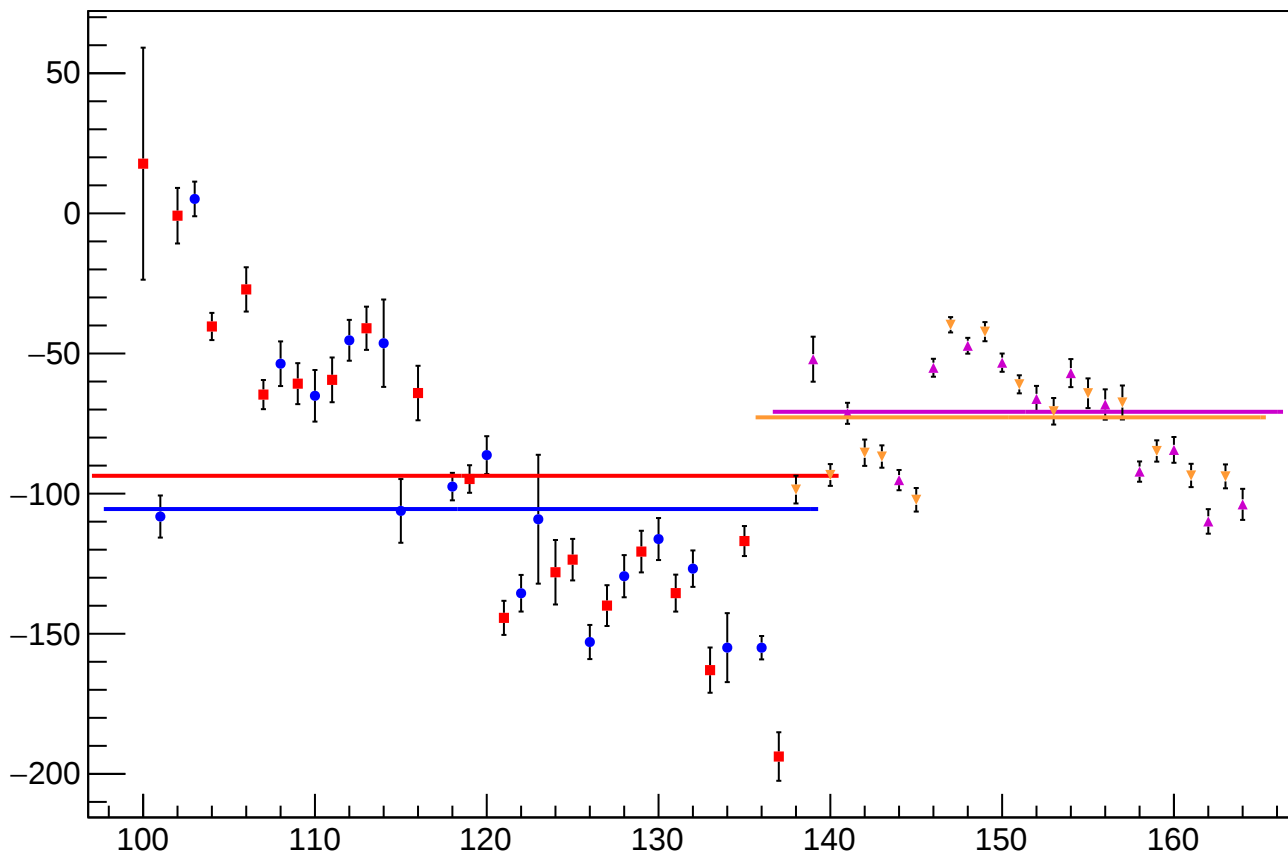
Right: -316.413 ± 1.838 $\chi^2/\text{NDF}: 4161.2/35$

In: -288.840 ± 1.197 $\chi^2/\text{NDF}: 2263.1/29$

Out: -283.831 ± 1.165 $\chi^2/\text{NDF}: 2734.3/32$

All: -286.267 ± 0.835 $\chi^2/\text{NDF}: 5006.4/62$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -72.781 ± 1.068 χ^2/NDF : 425.5/13

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

Left In: -70.799 ± 1.111 χ^2/NDF : 341.4/12

Left: -71.830 ± 0.770 χ^2/NDF : 768.5/26

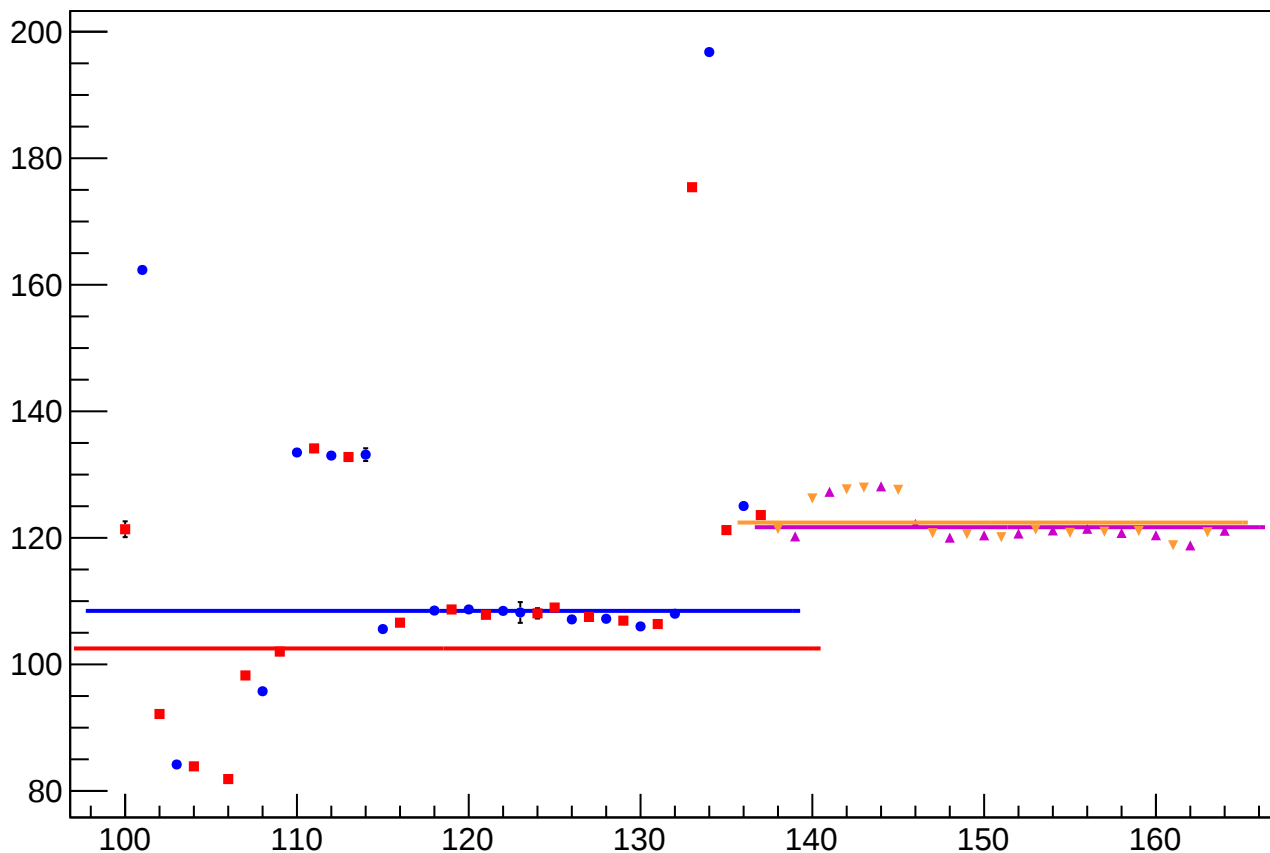
Right: -99.203 ± 1.173 χ^2/NDF : 1589.9/35

In: -81.087 ± 0.932 χ^2/NDF : 1367.7/29

Out: -79.155 ± 0.890 χ^2/NDF : 1369.0/32

All: -80.077 ± 0.644 χ^2/NDF : 2739.0/62

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 122.424 $\pm$ 0.053 χ^2 /NDF: 3253.8/13

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

Left In: 121.684 $\pm$ 0.053 χ^2 /NDF: 2474.8/12

Left: 122.058 $\pm$ 0.037 χ^2 /NDF: 5826.3/26

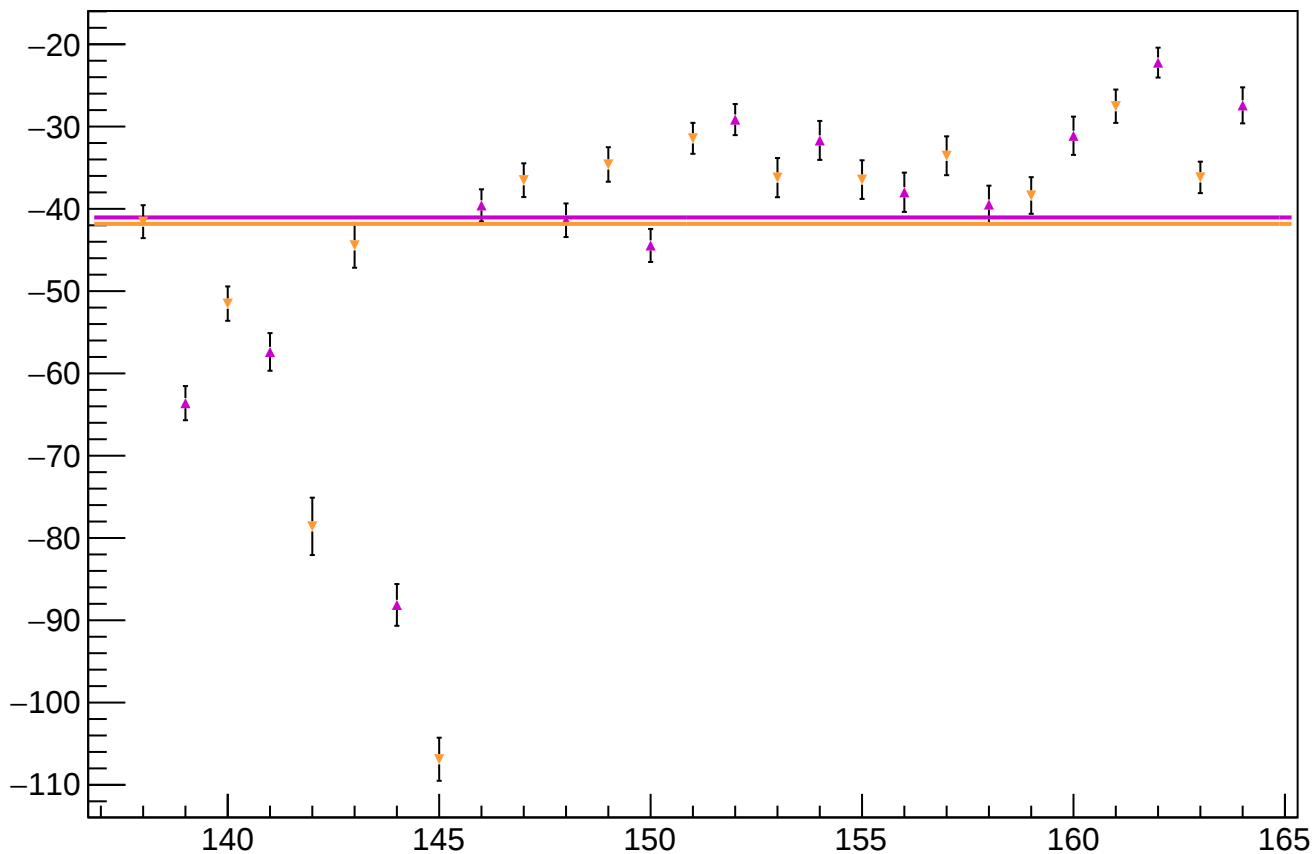
Right: 105.294 $\pm$ 0.058 χ^2 /NDF: 128896.1/35

In: 117.964 $\pm$ 0.045 χ^2 /NDF: 93172.9/29

Out: 116.375 $\pm$ 0.044 χ^2 /NDF: 99817.1/32

All: 117.147 $\pm$ 0.031 χ^2 /NDF: 193628.2/62

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



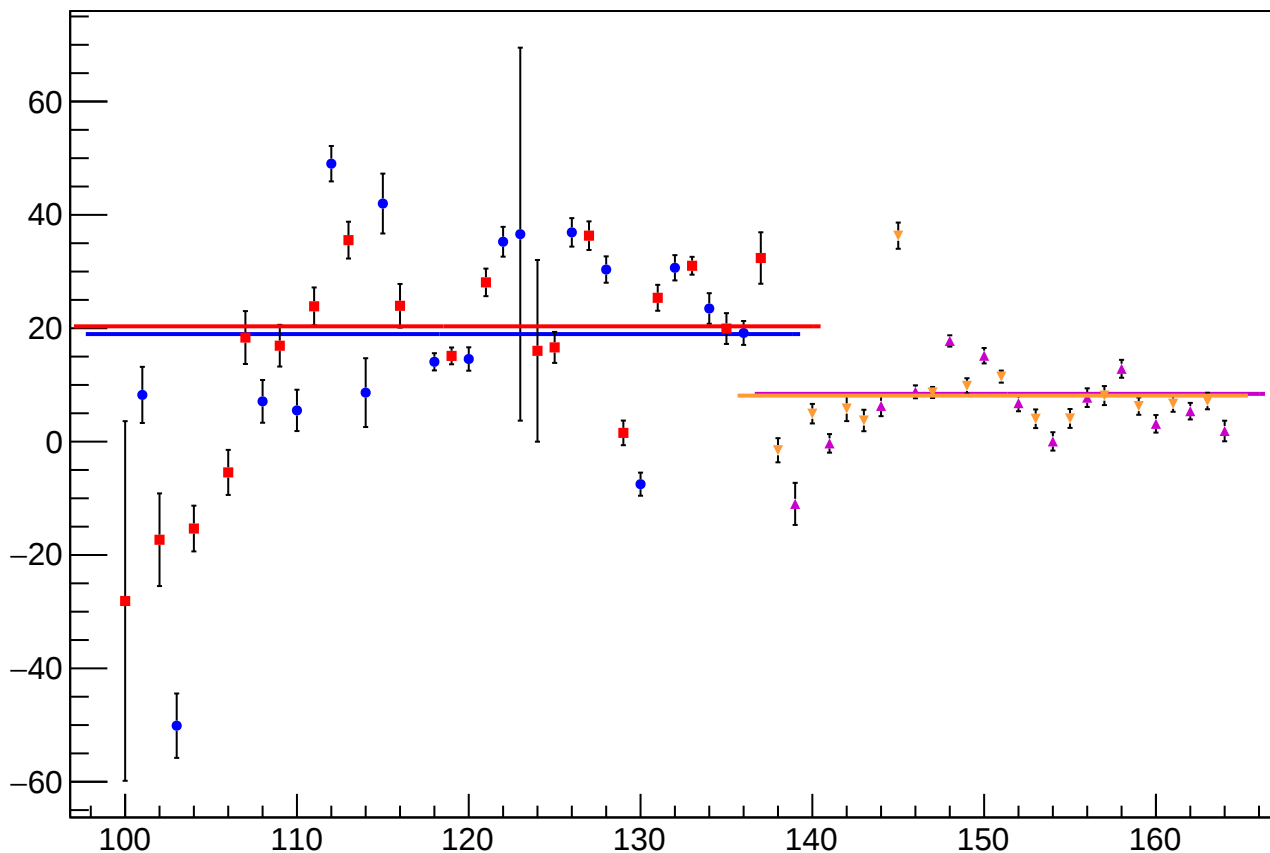
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -41.828+/-0.593 χ^2/NDF :883.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -41.045+/-0.592 χ^2/NDF :738.4/12

Left: -41.436+/-0.419 χ^2/NDF : 1623.2/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.045+/-0.592 χ^2/NDF :738.4/12
 Out: -41.828+/-0.593 χ^2/NDF :883.9/13

All: -41.436+/-0.419 χ^2/NDF : 1623.2/26

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 $\pm$ 0.653 χ^2 /NDF: 618.4/16

Left Out: 8.115 $\pm$ 0.402 χ^2 /NDF:206.2/13

Right Out: 20.338 $\pm$ 0.642 χ^2 /NDF: 366.4/18

Left In: 8.426 $\pm$ 0.412 χ^2 /NDF:235.3/12

Left: 8.267 $\pm$ 0.288 χ^2 /NDF: 441.8/26

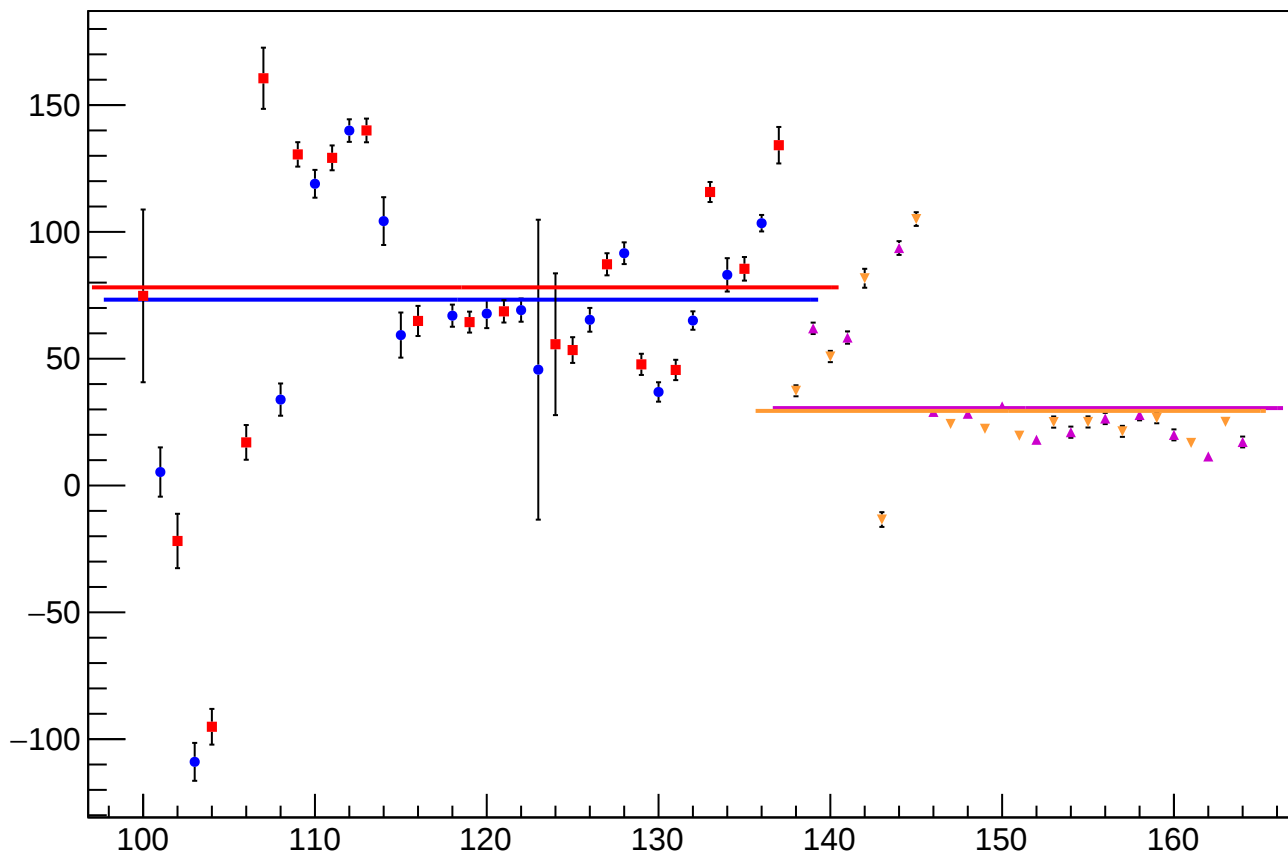
Right: 19.666 $\pm$ 0.458 χ^2 /NDF: 987.0/35

In: 11.424 $\pm$ 0.348 χ^2 /NDF:1040.3/29

Out: 11.558 $\pm$ 0.341 χ^2 /NDF:832.8/32

All: 11.492 $\pm$ 0.244 χ^2 /NDF: 1873.2/62

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278+/-1.236 χ^2 /NDF: 1198.6/16

Left Out: 29.424+/-0.577 χ^2 /NDF:1423.5/13

Right Out: 78.130+/-1.223 χ^2 /NDF: 1543.3/18

Left In: 30.528+/-0.573 χ^2 /NDF:1122.4/12

Left: 29.980+/-0.407 χ^2 /NDF: 2547.8/26

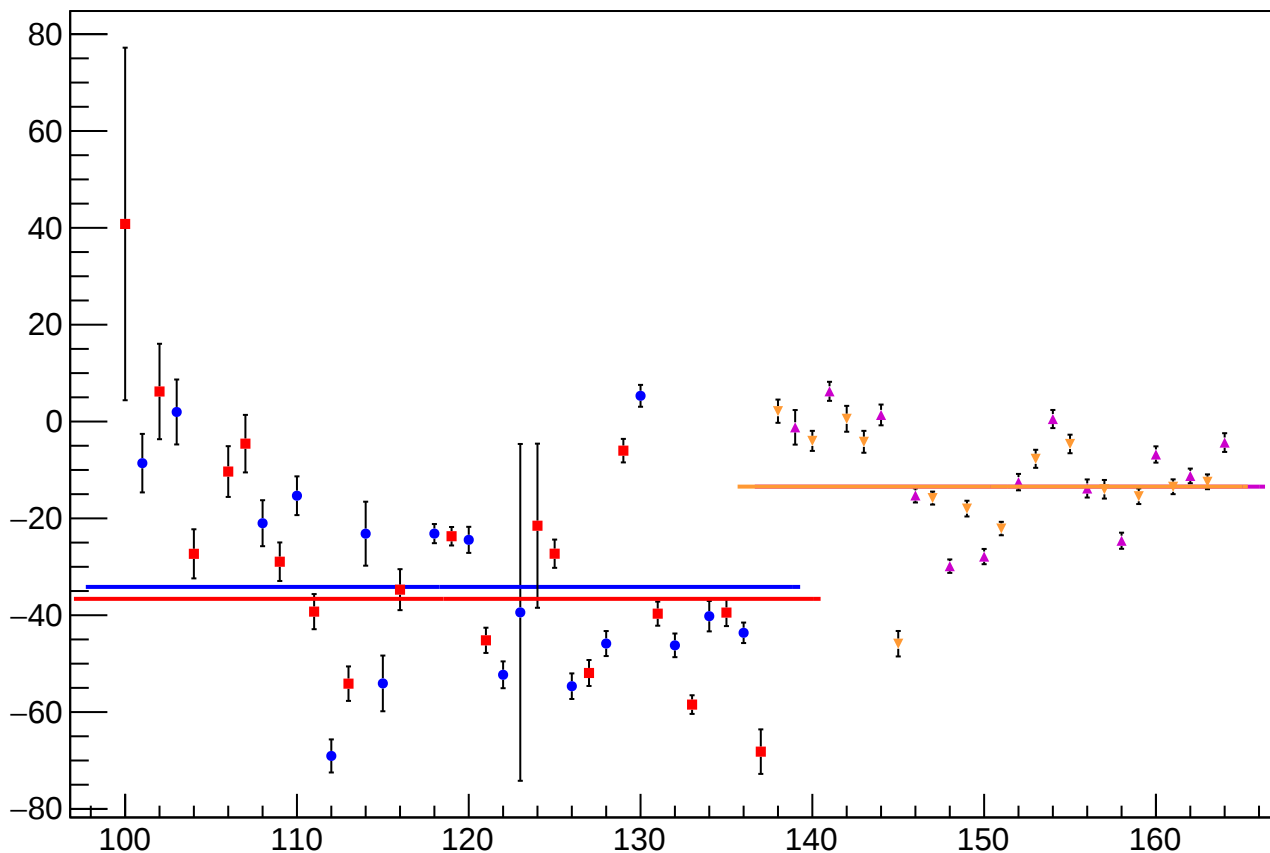
Right: 75.732+/-0.869 χ^2 /NDF: 2749.7/35

In: 38.086+/-0.520 χ^2 /NDF:3305.1/29

Out: 38.300+/-0.522 χ^2 /NDF:4264.8/32

All: 38.193+/-0.368 χ^2 /NDF: 7570.0/62

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF} = 717.5/16$

Left Out: -13.438 ± 0.476 $\chi^2/\text{NDF} = 341.7/13$

Right Out: -36.618 ± 0.736 $\chi^2/\text{NDF} = 547.0/18$

Left In: -13.447 ± 0.483 $\chi^2/\text{NDF} = 526.0/12$

Left: -13.442 ± 0.339 $\chi^2/\text{NDF} = 867.7/26$

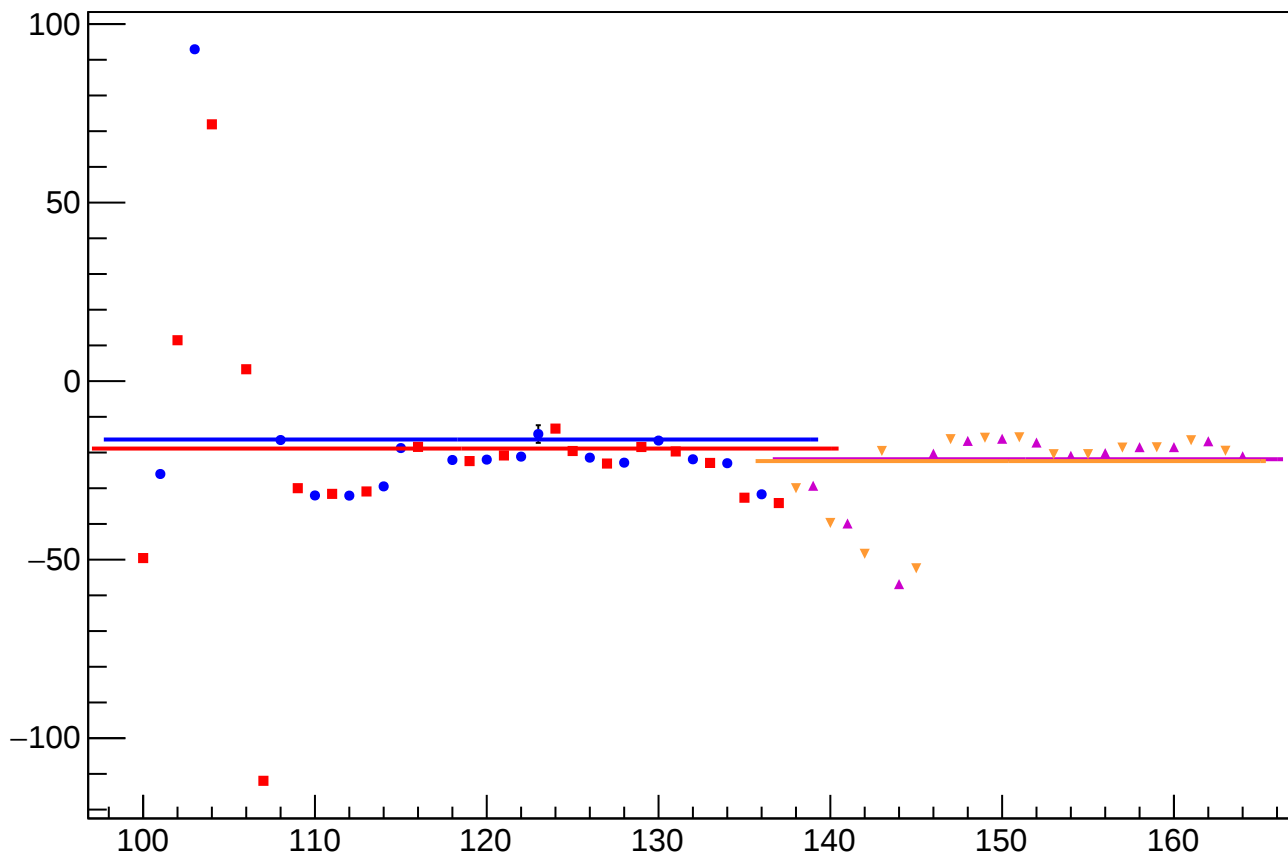
Right: -35.401 ± 0.523 $\chi^2/\text{NDF} = 1270.0/35$

In: -19.582 ± 0.405 $\chi^2/\text{NDF} = 1787.3/29$

Out: -20.278 ± 0.400 $\chi^2/\text{NDF} = 1588.4/32$

All: -19.935 ± 0.285 $\chi^2/\text{NDF} = 3377.2/62$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -22.394 ± 0.023 $\chi^2/\text{NDF}: 181979.7/13$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

Left In: -21.875 ± 0.022 $\chi^2/\text{NDF}: 152327.2/12$

Left: -22.133 ± 0.016 $\chi^2/\text{NDF}: 334572.8/26$

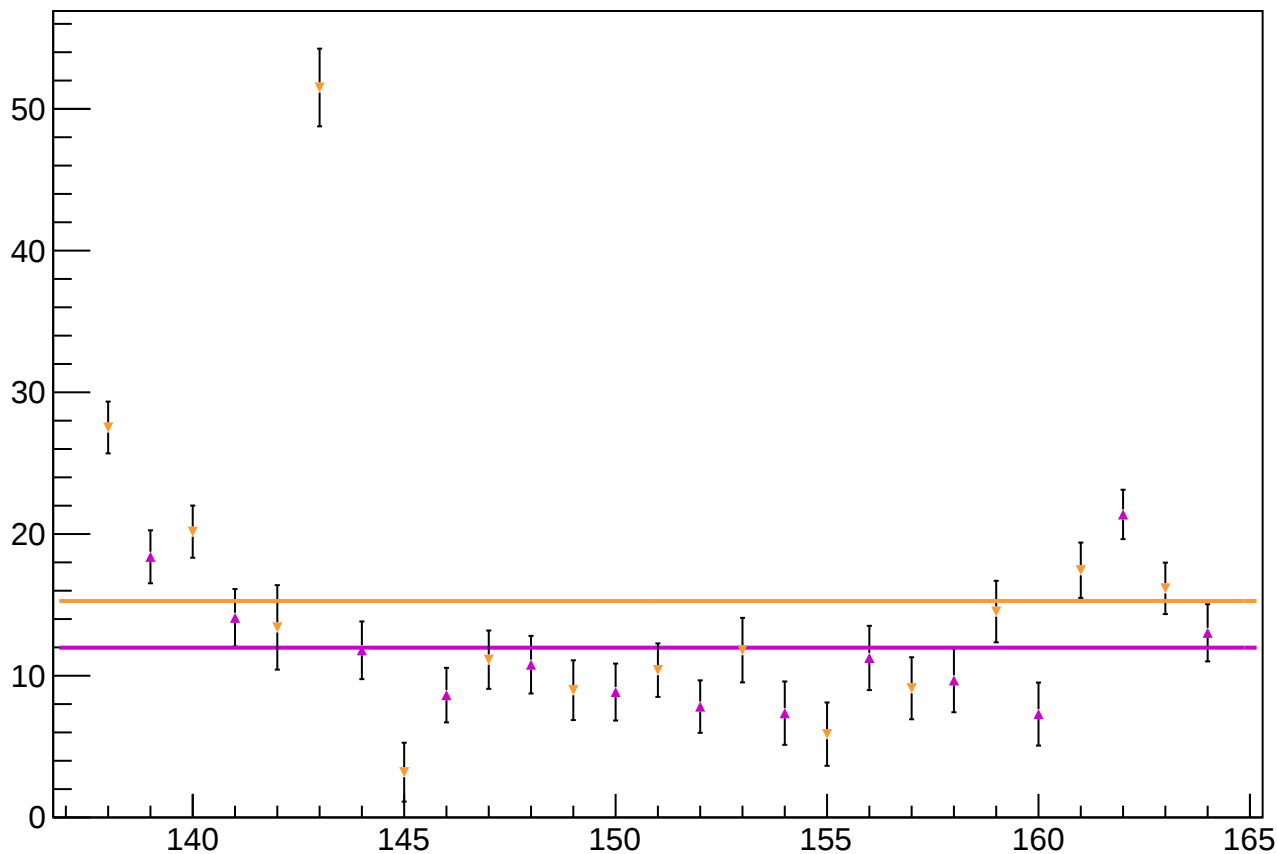
Right: -17.599 ± 0.032 $\chi^2/\text{NDF}: 909577.8/35$

In: -20.761 ± 0.020 $\chi^2/\text{NDF}: 638754.3/29$

Out: -21.696 ± 0.020 $\chi^2/\text{NDF}: 620576.7/32$

All: -21.225 ± 0.014 $\chi^2/\text{NDF}: 1260409.3/62$

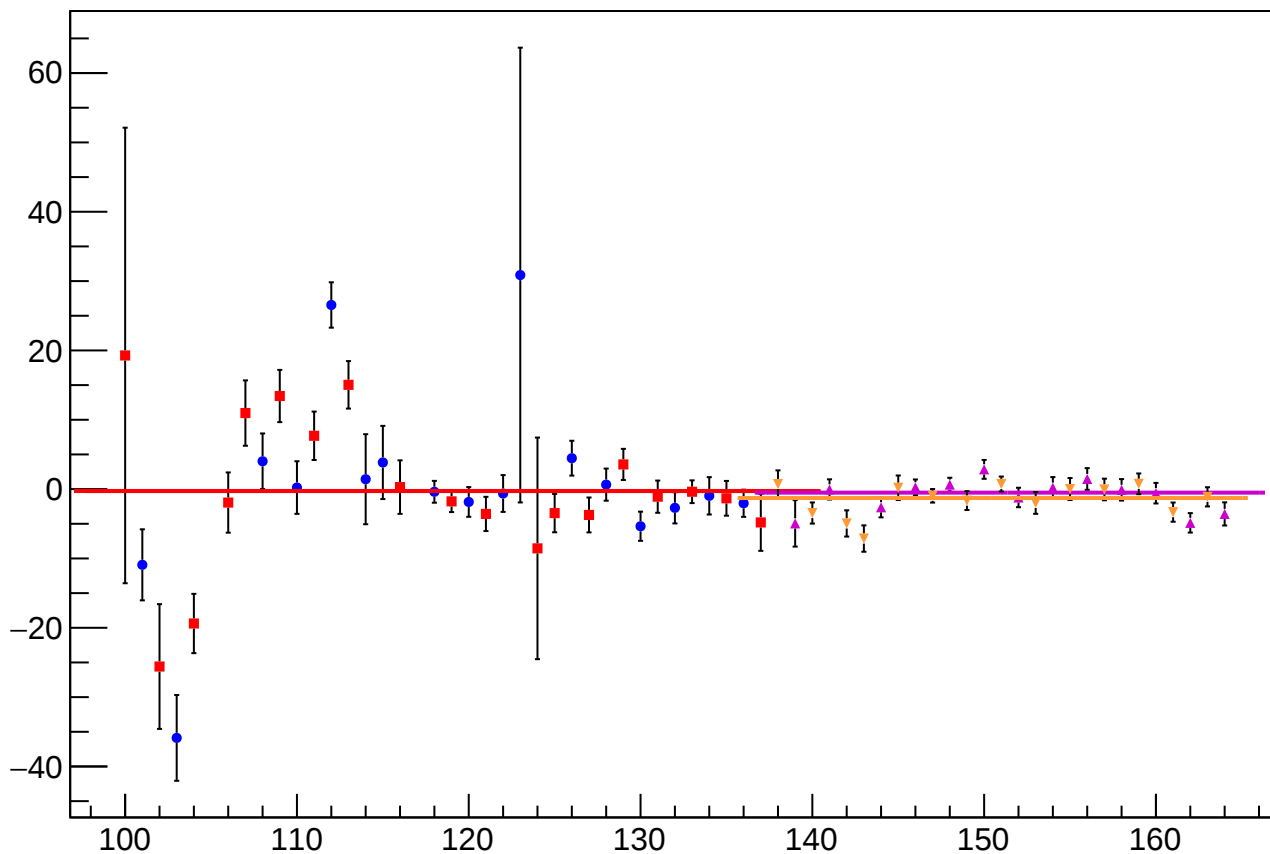
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 15.278 $\pm$ 0.560 χ^2/NDF :310.0/13
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 11.981 $\pm$ 0.560 χ^2/NDF :63.0/12

Left: 13.630 $\pm$ 0.396 χ^2/NDF : 390.3/26
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 11.981 $\pm$ 0.560 χ^2/NDF :63.0/12
 Out: 15.278 $\pm$ 0.560 χ^2/NDF :310.0/13
 All: 13.630 $\pm$ 0.396 χ^2/NDF : 390.3/26

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: -1.285 ± 0.386 χ^2/NDF : 26.3/13

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

Left In: -0.509 ± 0.394 χ^2/NDF : 27.0/12

Left: -0.905 ± 0.275 χ^2/NDF : 55.2/26

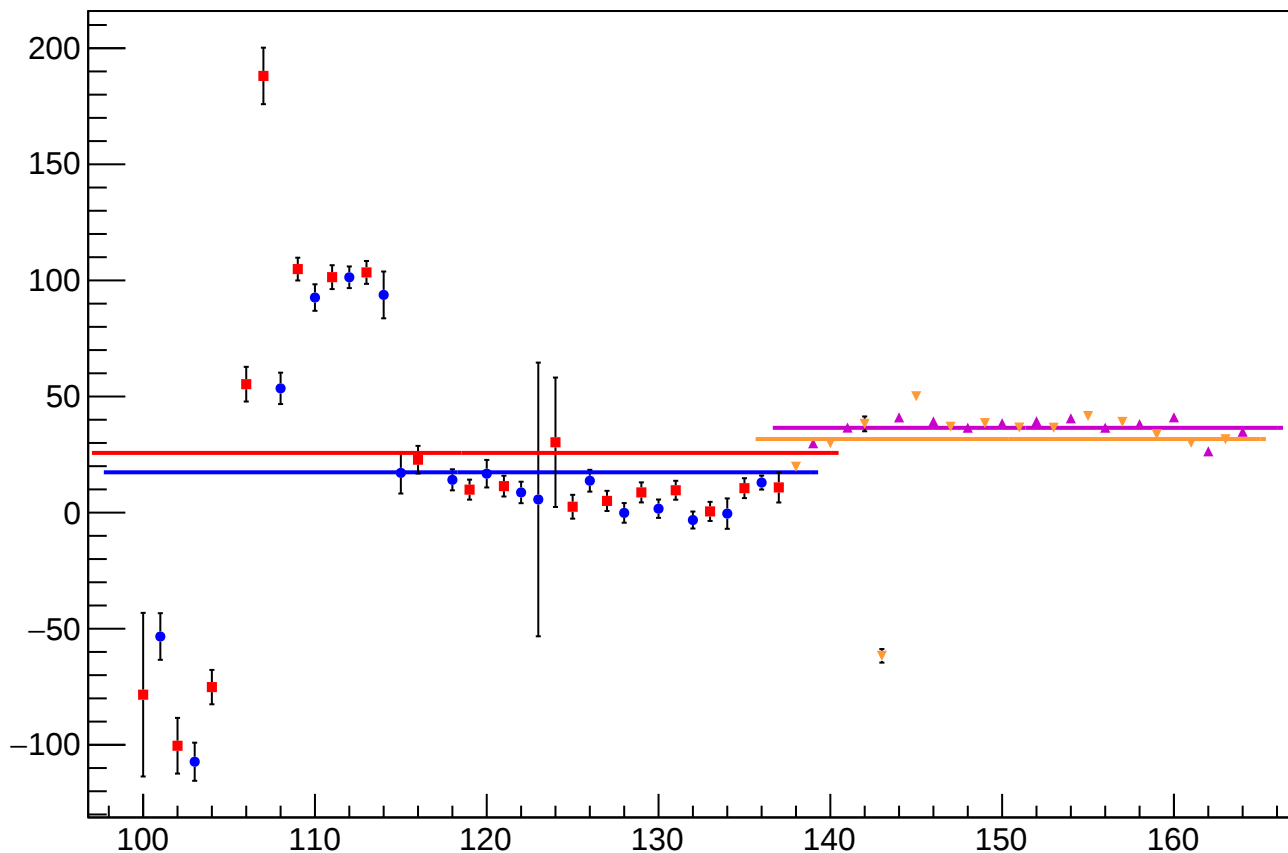
Right: -0.275 ± 0.466 χ^2/NDF : 202.7/35

In: -0.449 ± 0.338 χ^2/NDF : 146.6/29

Out: -1.025 ± 0.332 χ^2/NDF : 111.2/32

All: -0.742 ± 0.237 χ^2/NDF : 259.3/62

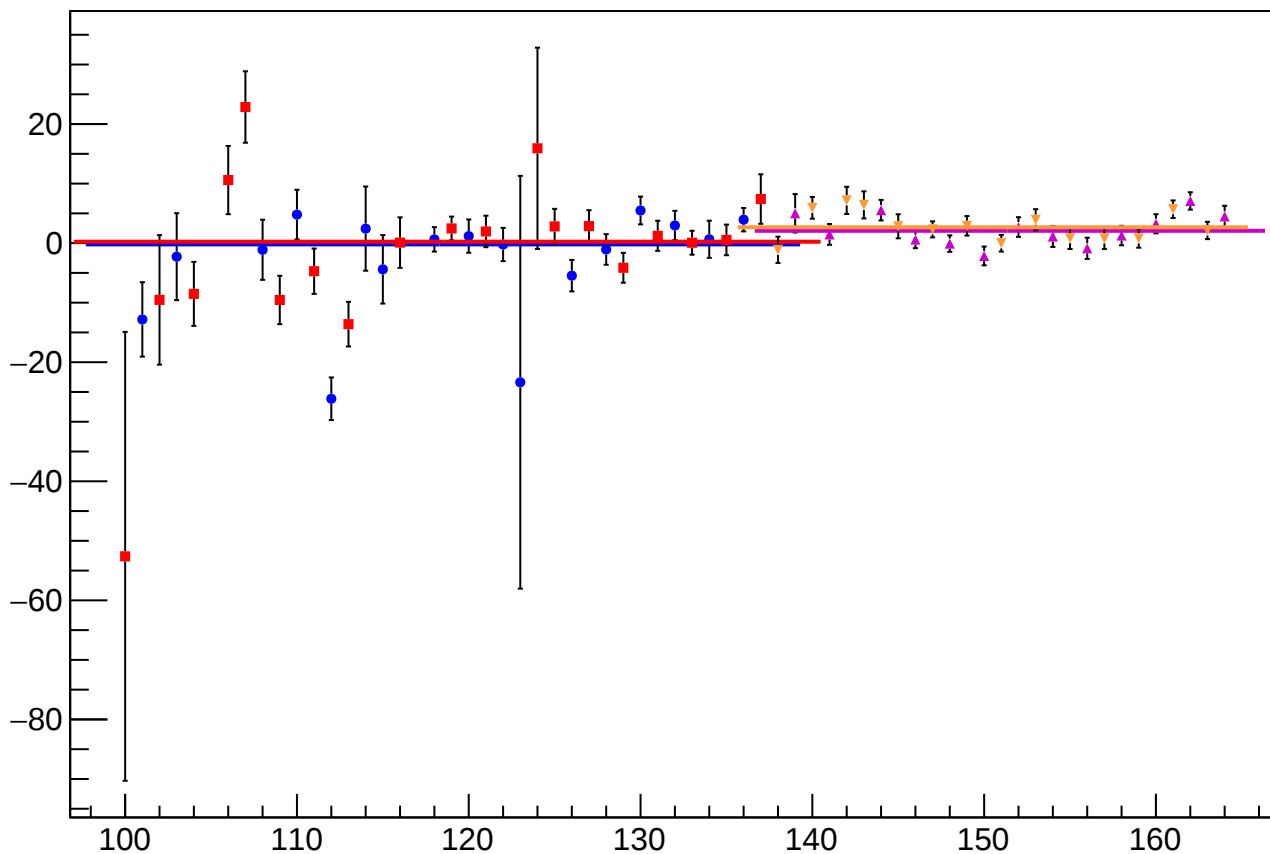
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$
 Left Out: 31.687 ± 0.548 $\chi^2/\text{NDF}: 1200.8/13$
 Right Out: 25.717 ± 1.243 $\chi^2/\text{NDF}: 1378.8/18$
 Left In: 36.518 ± 0.544 $\chi^2/\text{NDF}: 67.3/12$

Left: 34.119 ± 0.386 $\chi^2/\text{NDF}: 1307.3/26$
 Right: 21.552 ± 0.880 $\chi^2/\text{NDF}: 2344.4/35$
 In: 33.455 ± 0.499 $\chi^2/\text{NDF}: 1208.7/29$
 Out: 30.717 ± 0.501 $\chi^2/\text{NDF}: 2599.0/32$
 All: 32.093 ± 0.353 $\chi^2/\text{NDF}: 3822.6/62$

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: 2.666 ± 0.455 χ^2/NDF : 24.9/13

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 2.072 ± 0.461 χ^2/NDF : 33.3/12

Left: 2.373 ± 0.324 χ^2/NDF : 59.0/26

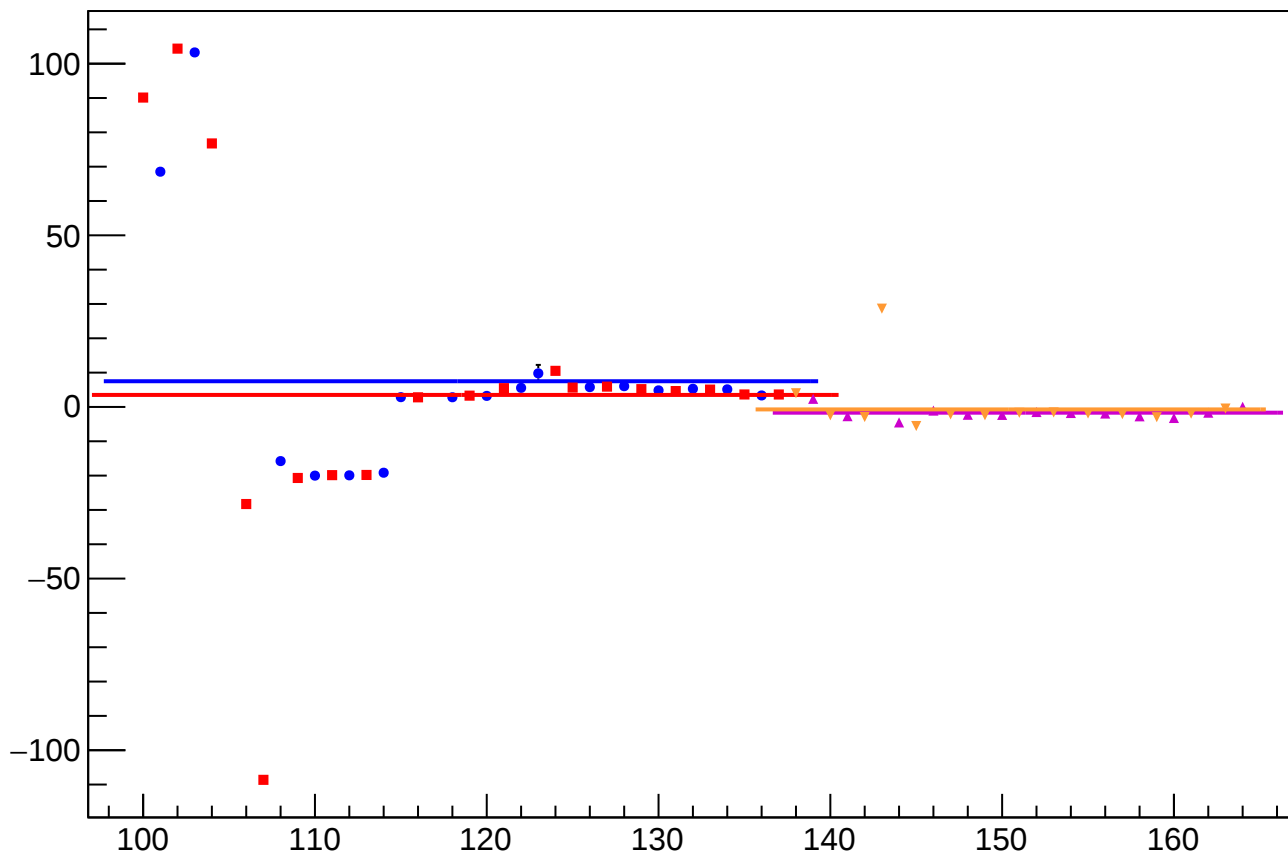
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.449 ± 0.393 χ^2/NDF : 115.9/29

Out: 2.012 ± 0.389 χ^2/NDF : 87.1/32

All: 1.734 ± 0.276 χ^2/NDF : 204.0/62

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: -0.718+/-0.021 χ^2/NDF : 73458.8/13

Right Out: 3.504+/-0.046 χ^2/NDF : 510579.4/18

Left In: -1.671+/-0.021 χ^2/NDF : 5490.5/12

Left: -1.196+/-0.015 χ^2/NDF : 79949.6/26

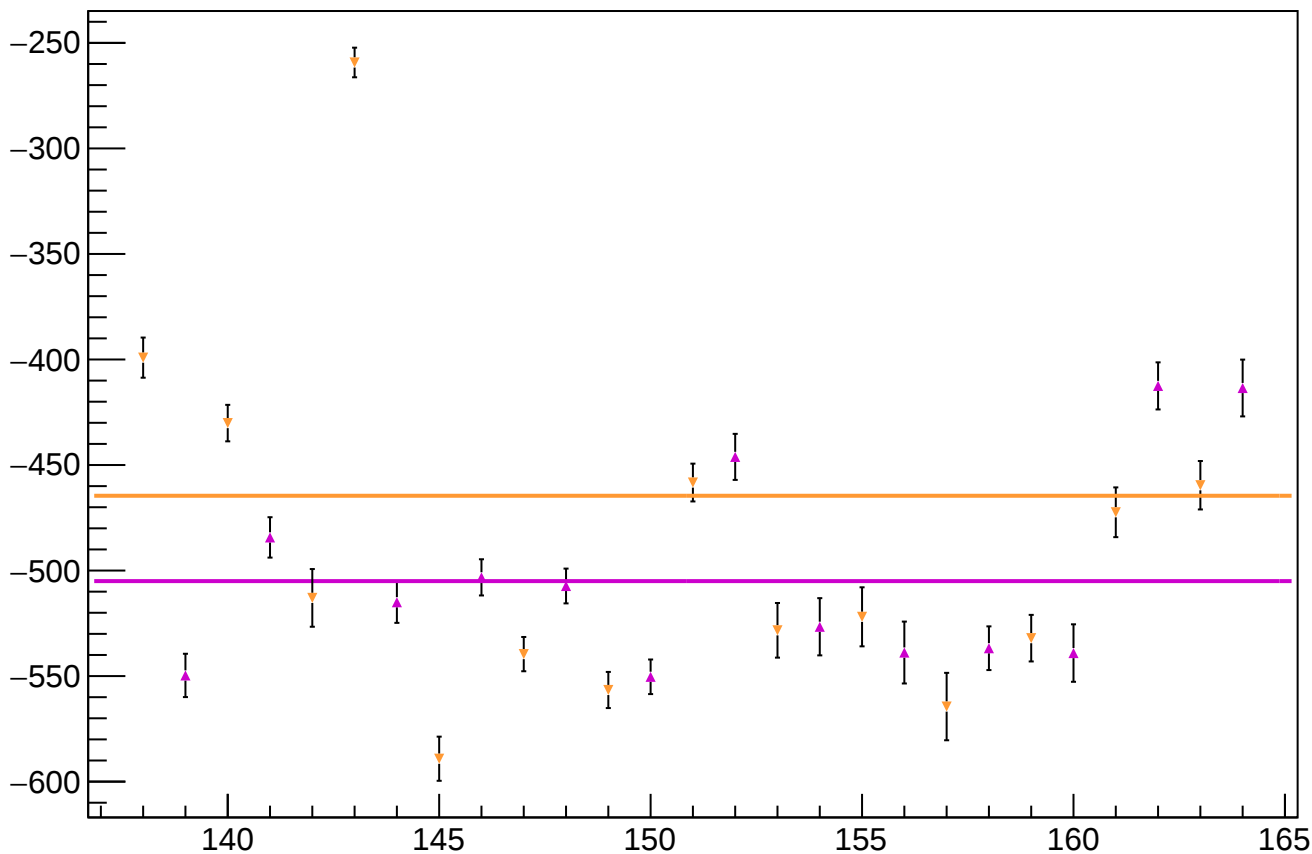
Right: 5.541+/-0.032 χ^2/NDF : 870462.8/35

In: 0.024+/-0.019 χ^2/NDF : 395816.7/29

Out: 0.041+/-0.019 χ^2/NDF : 591061.2/32

All: 0.033+/-0.014 χ^2/NDF : 986878.2/62

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: -464.563+/-2.687 χ^2/NDF :1392.8/13

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

Left In: -505.004+/-2.877 χ^2/NDF :223.0/12

Left: -483.405+/-1.963 χ^2/NDF : 1721.5/26

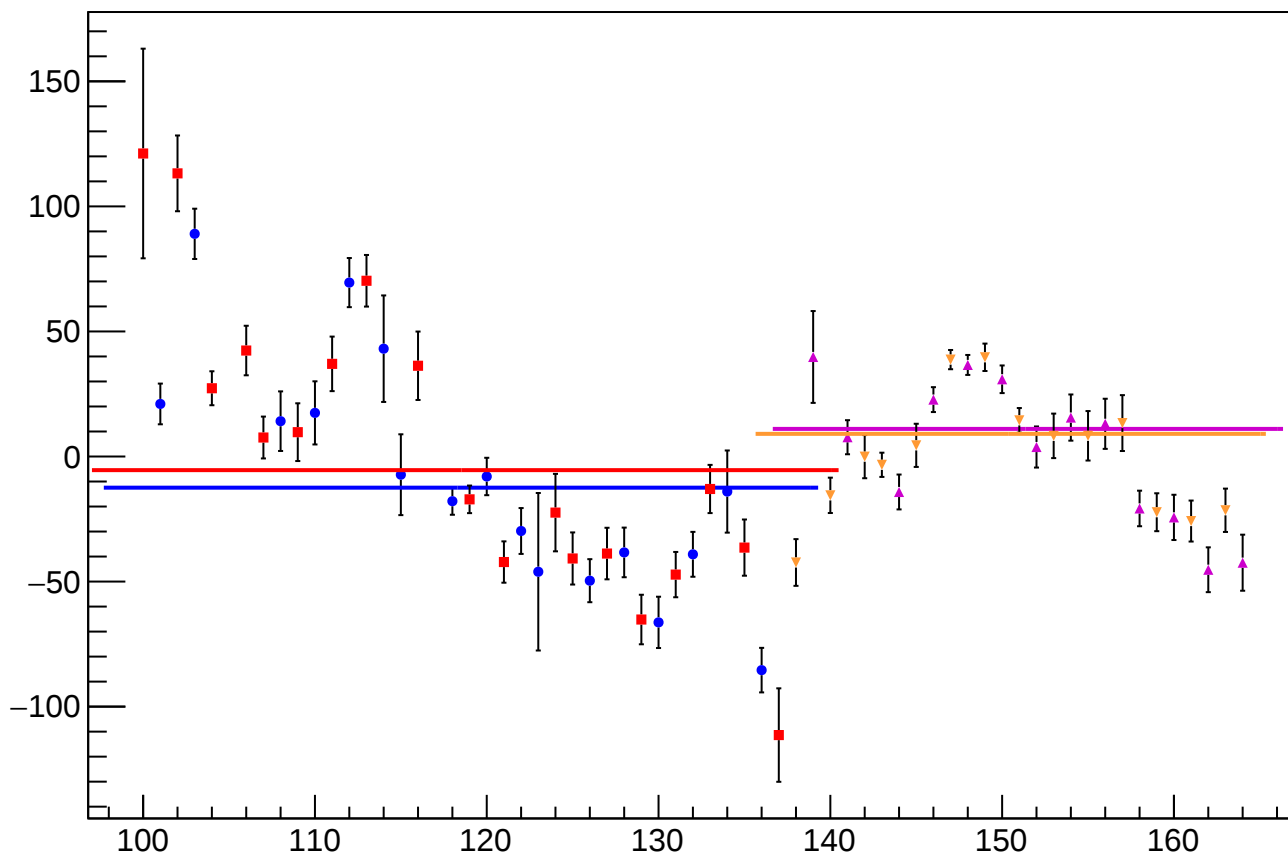
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -505.004+/-2.877 χ^2/NDF :223.0/12

Out: -464.563+/-2.687 χ^2/NDF :1392.8/13

All: -483.405+/-1.963 χ^2/NDF : 1721.5/26

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: 9.057 ± 1.769 χ^2/NDF : 190.2/13

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

Left In: 11.039 ± 1.925 χ^2/NDF : 174.0/12

Left: 9.965 ± 1.302 χ^2/NDF : 364.7/26

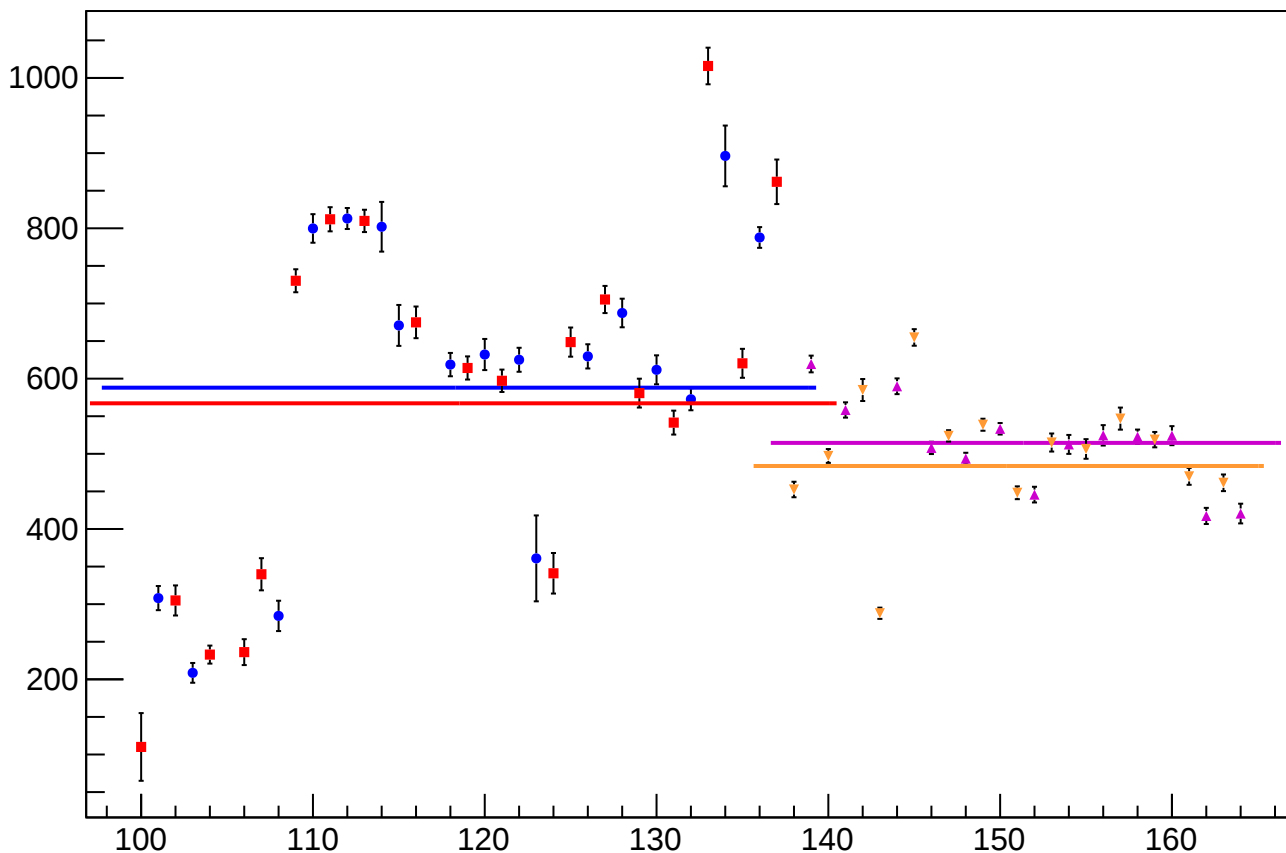
Right: -8.819 ± 1.628 χ^2/NDF : 690.7/35

In: 1.599 ± 1.489 χ^2/NDF : 574.9/29

Out: 3.541 ± 1.393 χ^2/NDF : 560.7/32

All: 2.635 ± 1.017 χ^2/NDF : 1136.6/62

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: 483.803 ± 2.656 $\chi^2/\text{NDF}: 1121.7/13$

Right Out: 567.179 ± 4.136 $\chi^2/\text{NDF}: 2783.2/18$

Left In: 514.534 ± 2.794 $\chi^2/\text{NDF}: 351.9/12$

Left: 498.390 ± 1.925 $\chi^2/\text{NDF}: 1537.1/26$

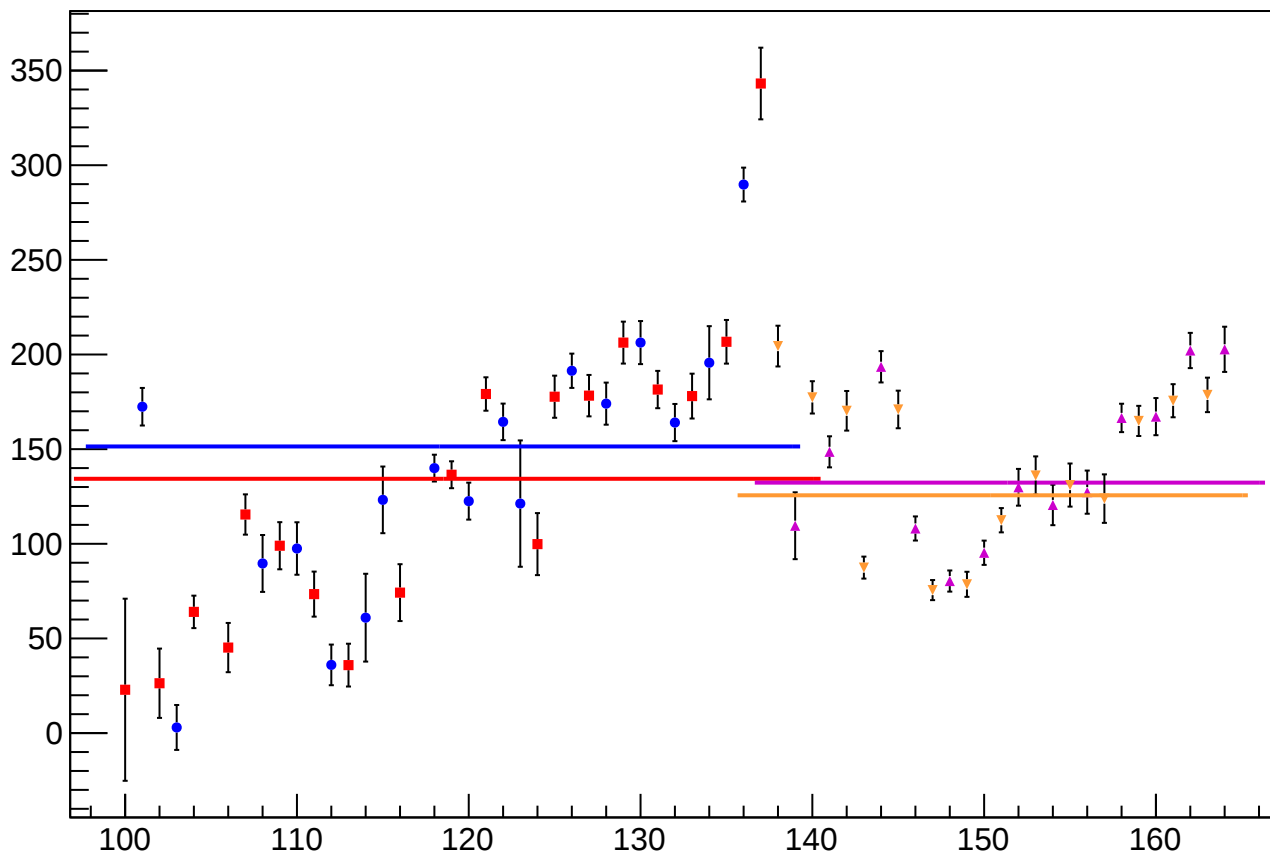
Right: 577.056 ± 2.998 $\chi^2/\text{NDF}: 4924.8/35$

In: 535.969 ± 2.351 $\chi^2/\text{NDF}: 2683.2/29$

Out: 508.142 ± 2.235 $\chi^2/\text{NDF}: 4192.7/32$

All: 521.349 ± 1.620 $\chi^2/\text{NDF}: 6949.4/62$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421+/-2.709 χ^2/NDF : 633.3/16

Left Out: 125.622+/-2.140 χ^2/NDF :408.6/13

Right Out: 134.346+/-2.616 χ^2/NDF : 584.9/18

Left In: 132.312+/-2.309 χ^2/NDF :320.8/12

Left: 128.712+/-1.570 χ^2/NDF : 733.9/26

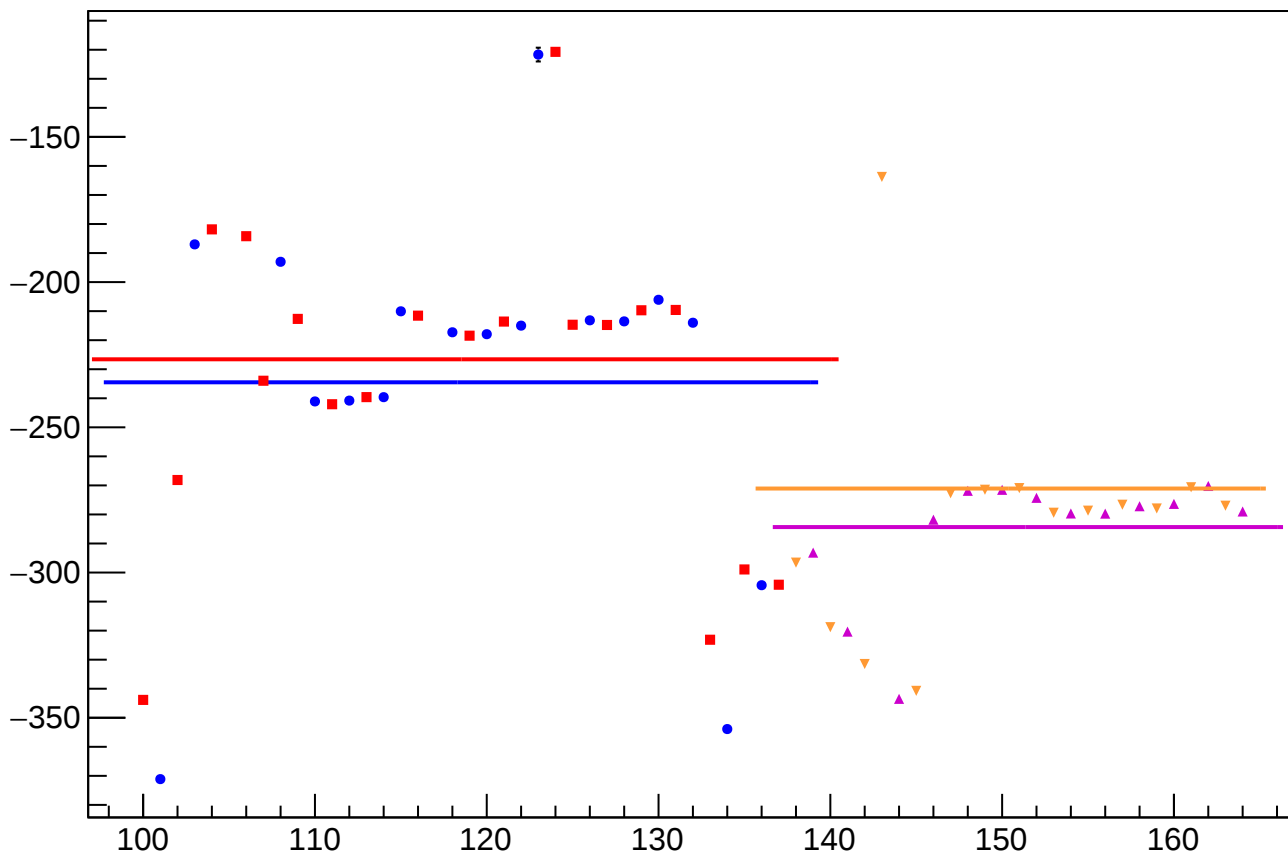
Right: 142.583+/-1.882 χ^2/NDF : 1238.7/35

In: 140.354+/-1.757 χ^2/NDF :982.9/29

Out: 129.120+/-1.656 χ^2/NDF :1000.1/32

All: 134.403+/-1.205 χ^2/NDF : 2004.7/62

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: -271.076 ± 0.107 $\chi^2/\text{NDF}: 182864.5/13$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

Left In: -284.344 ± 0.111 $\chi^2/\text{NDF}: 30582.8/12$

Left: -277.431 ± 0.077 $\chi^2/\text{NDF}: 220825.9/26$

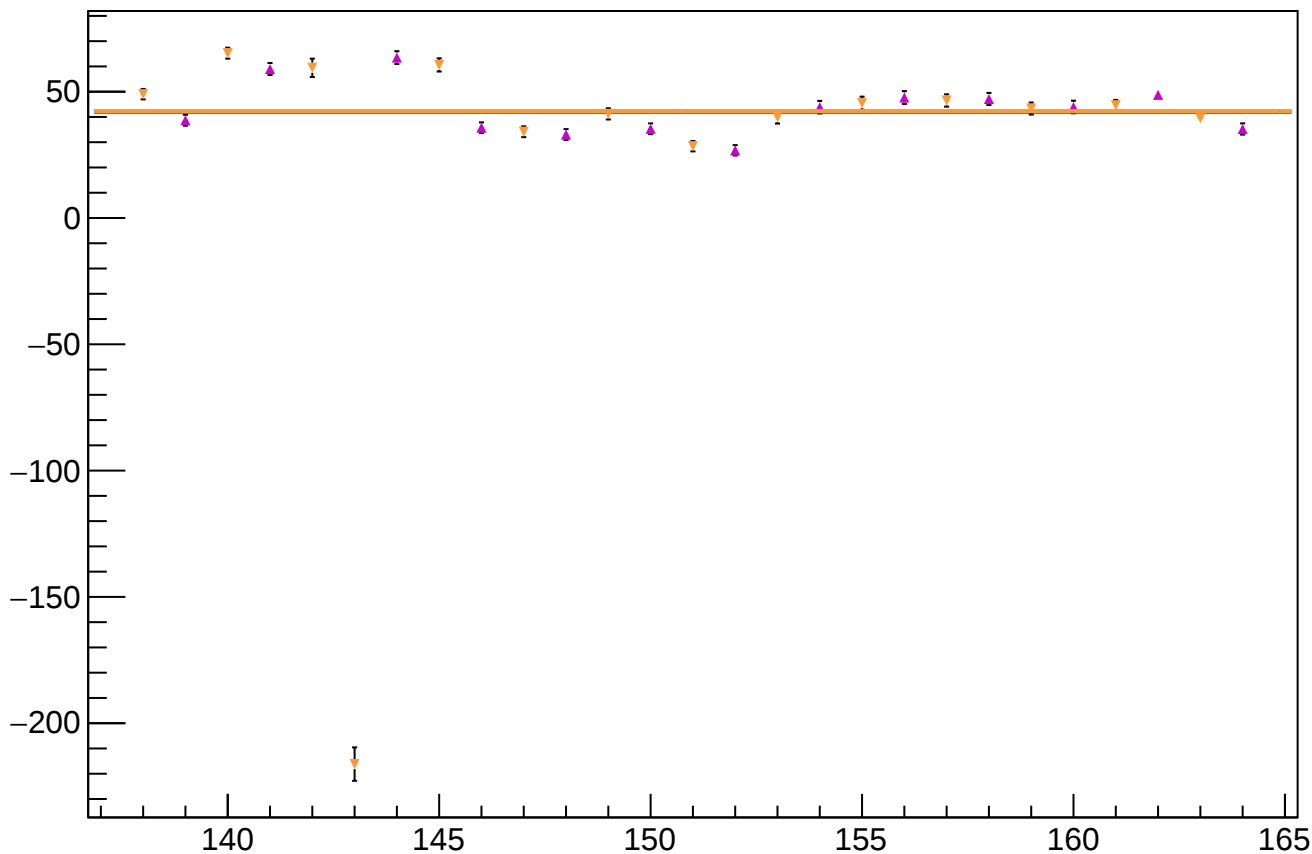
Right: -230.333 ± 0.103 $\chi^2/\text{NDF}: 245501.4/35$

In: -266.458 ± 0.089 $\chi^2/\text{NDF}: 247346.8/29$

Out: -254.895 ± 0.085 $\chi^2/\text{NDF}: 344837.3/32$

All: -260.412 ± 0.062 $\chi^2/\text{NDF}: 600955.8/62$

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: 42.336+/-0.637 χ^2/NDF :1790.0/13

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

Left In: 42.036+/-0.623 χ^2/NDF :250.1/12

Left: 42.183+/-0.445 χ^2/NDF : 2040.2/26

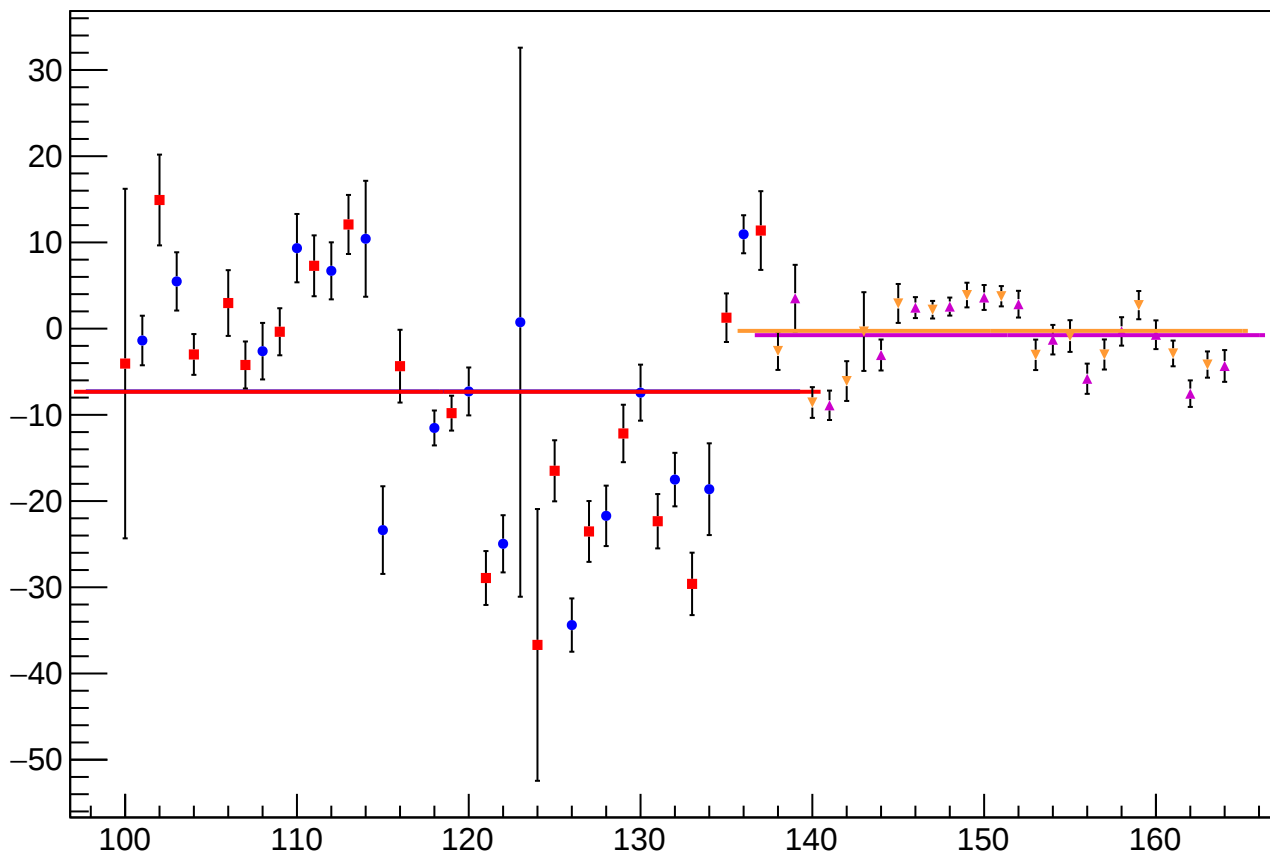
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 42.036+/-0.623 χ^2/NDF :250.1/12

Out: 42.336+/-0.637 χ^2/NDF :1790.0/13

All: 42.183+/-0.445 χ^2/NDF : 2040.2/26

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: -0.260 ± 0.433 χ^2/NDF : 75.1/13

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: -0.757 ± 0.434 χ^2/NDF : 88.8/12

Left: -0.509 ± 0.306 χ^2/NDF : 164.6/26

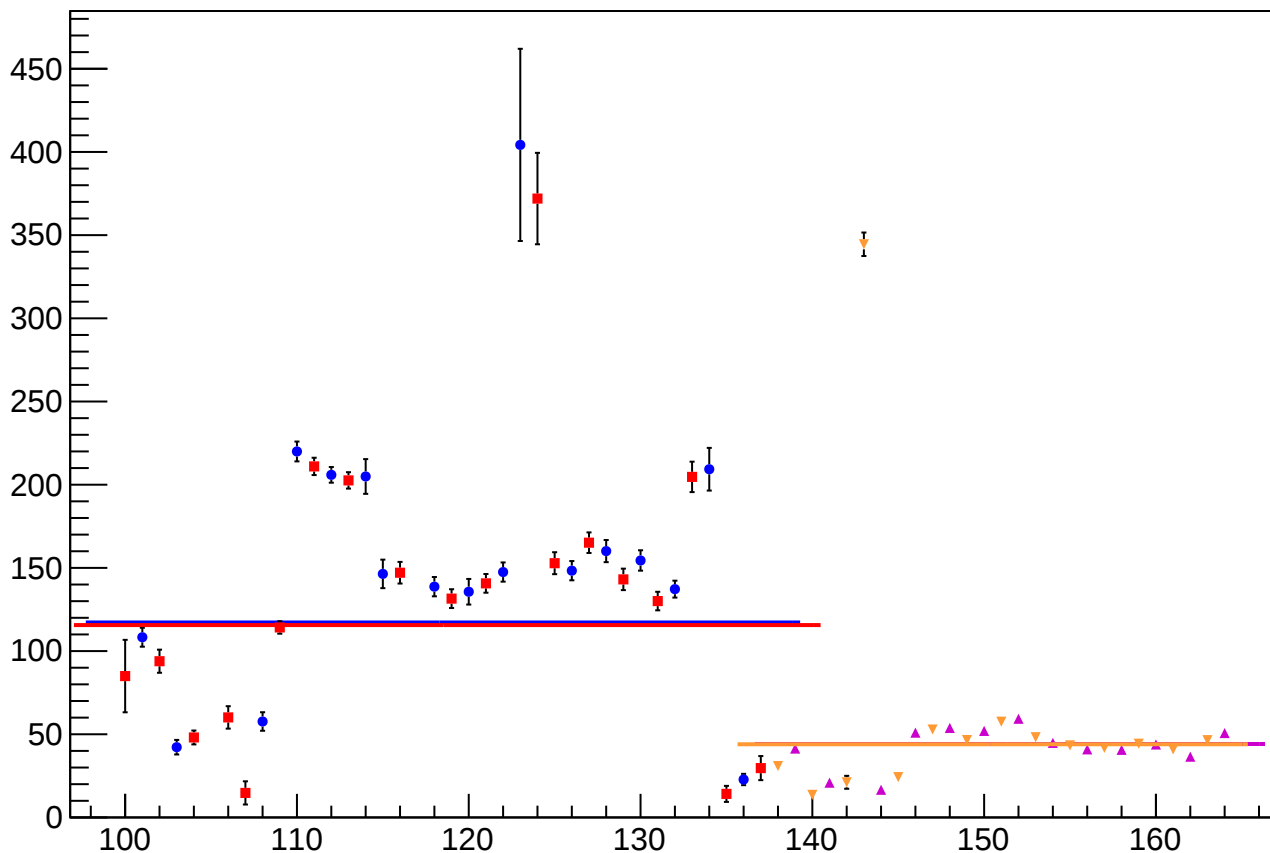
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -2.273 ± 0.380 χ^2/NDF : 424.6/29

Out: -1.990 ± 0.376 χ^2/NDF : 395.5/32

All: -2.130 ± 0.267 χ^2/NDF : 820.4/62

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 $\pm$ 1.416 χ^2/NDF : 2161.0/16

Left Out: 43.995 $\pm$ 0.619 χ^2/NDF :2183.7/13

Right Out: 115.632 $\pm$ 1.361 χ^2/NDF : 2137.6/18

Left In: 44.157 $\pm$ 0.603 χ^2/NDF :331.5/12

Left: 44.078 $\pm$ 0.432 χ^2/NDF : 2515.2/26

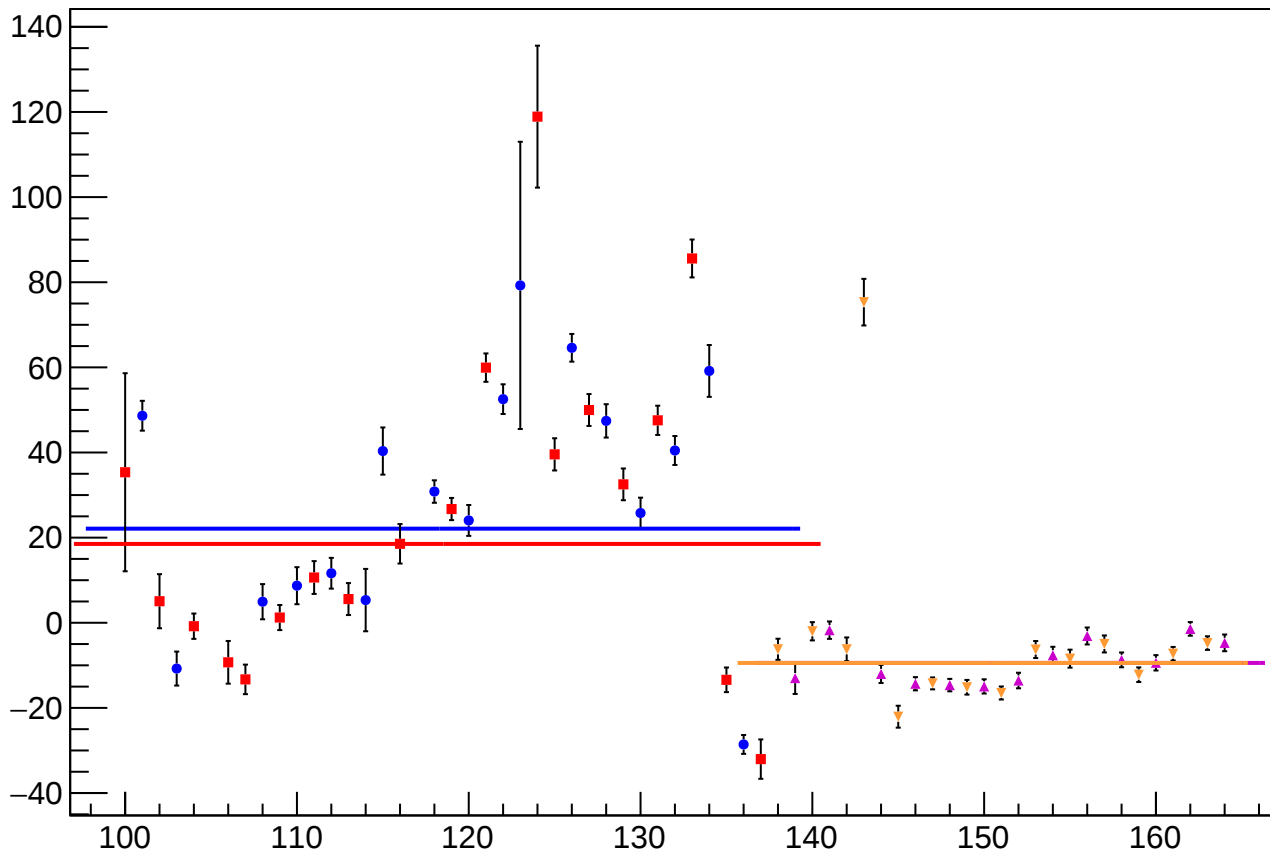
Right: 116.378 $\pm$ 0.981 χ^2/NDF : 4299.2/35

In: 55.375 $\pm$ 0.555 χ^2/NDF :4742.7/29

Out: 56.285 $\pm$ 0.564 χ^2/NDF :6616.4/32

All: 55.823 $\pm$ 0.396 χ^2/NDF : 11360.5/62

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: -9.440 ± 0.512 $\chi^2/\text{NDF}: 343.3/13$

Right Out: 18.521 ± 0.871 $\chi^2/\text{NDF}: 1068.6/18$

Left In: -9.434 ± 0.509 $\chi^2/\text{NDF}: 96.8/12$

Left: -9.437 ± 0.361 $\chi^2/\text{NDF}: 440.1/26$

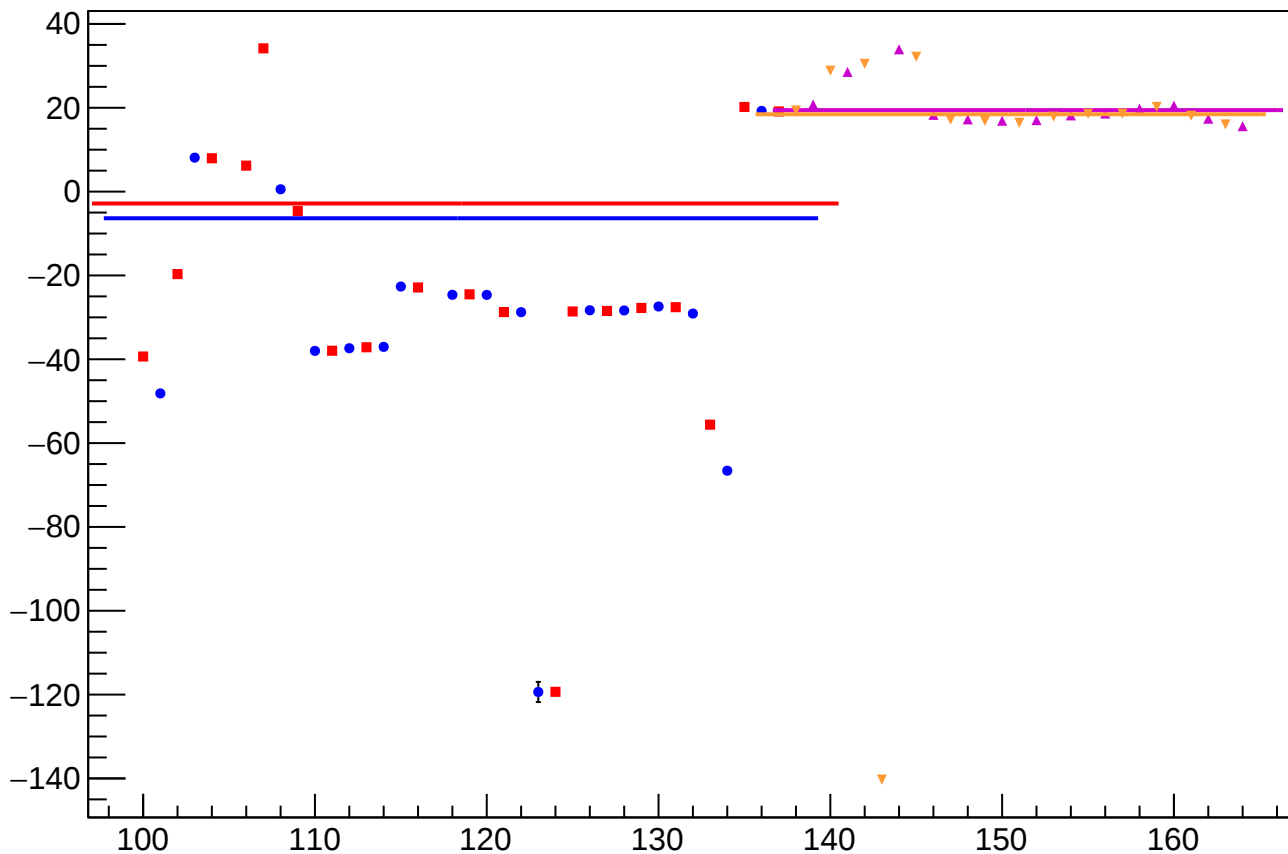
Right: 20.261 ± 0.625 $\chi^2/\text{NDF}: 2147.1/35$

In: -1.767 ± 0.443 $\chi^2/\text{NDF}: 2100.8/29$

Out: -2.257 ± 0.442 $\chi^2/\text{NDF}: 2177.3/32$

All: -2.013 ± 0.313 $\chi^2/\text{NDF}: 4278.7/62$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 $\pm$ 0.046 χ^2 /NDF: 264750.9/16

Left Out: 18.455 $\pm$ 0.024 χ^2 /NDF:350105.5/13

Right Out: -2.837 $\pm$ 0.046 χ^2 /NDF: 265573.0/18

Left In: 19.442 $\pm$ 0.024 χ^2 /NDF:29181.3/12

Left: 18.961 $\pm$ 0.017 χ^2 /NDF: 380138.0/26

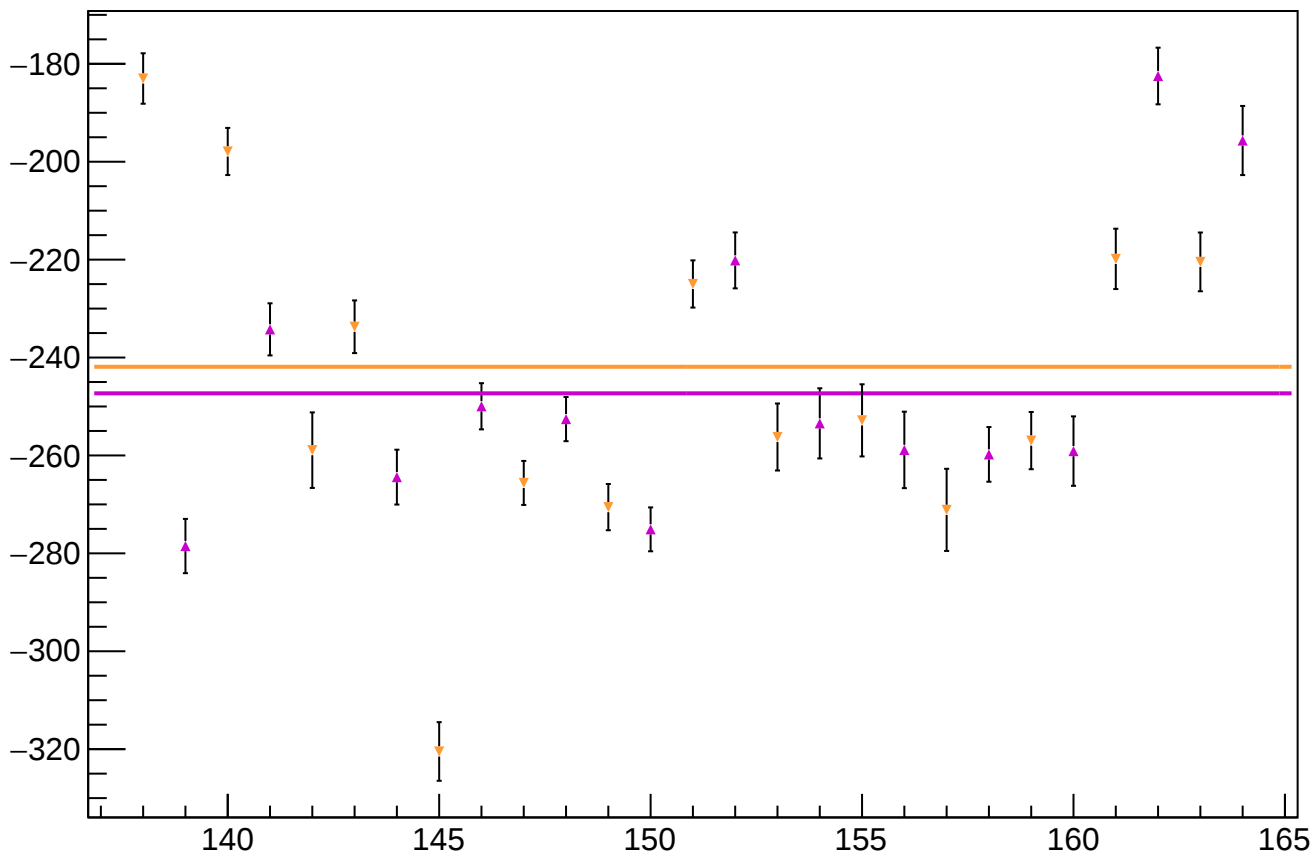
Right: -4.577 $\pm$ 0.033 χ^2 /NDF: 533252.4/35

In: 14.114 $\pm$ 0.021 χ^2 /NDF:540220.6/29

Out: 13.797 $\pm$ 0.021 χ^2 /NDF:784922.9/32

All: 13.958 $\pm$ 0.015 χ^2 /NDF: 1325255.4/62

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: -241.885+/-1.517 χ^2/NDF : 521.2/13

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

Left In: -247.310+/-1.558 χ^2/NDF : 299.4/12

Left: -244.525+/-1.087 χ^2/NDF : 826.8/26

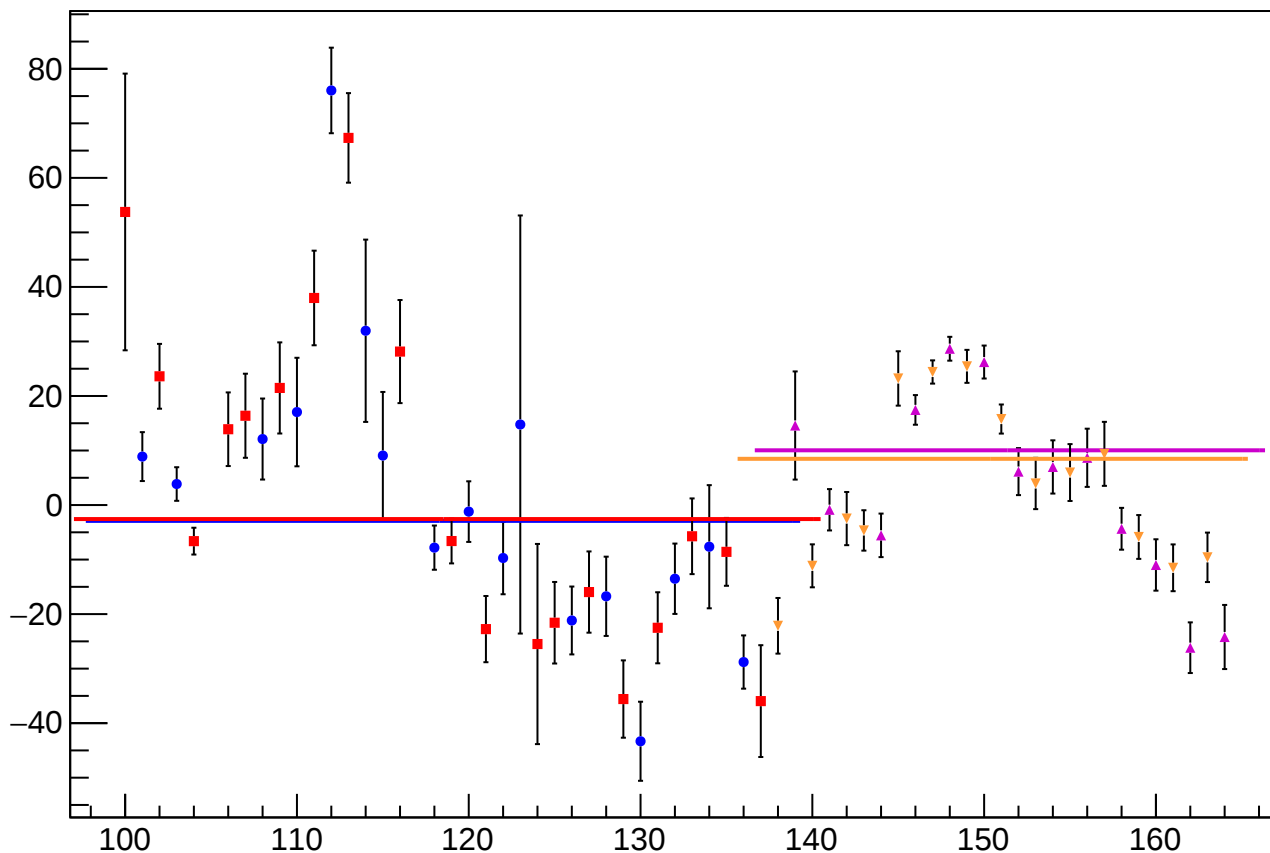
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -247.310+/-1.558 χ^2/NDF : 299.4/12

Out: -241.885+/-1.517 χ^2/NDF : 521.2/13

All: -244.525+/-1.087 χ^2/NDF : 826.8/26

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: 8.478 ± 0.998 χ^2/NDF : 233.4/13

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

Left In: 10.039 ± 1.045 χ^2/NDF : 262.3/12

Left: 9.222 ± 0.722 χ^2/NDF : 496.9/26

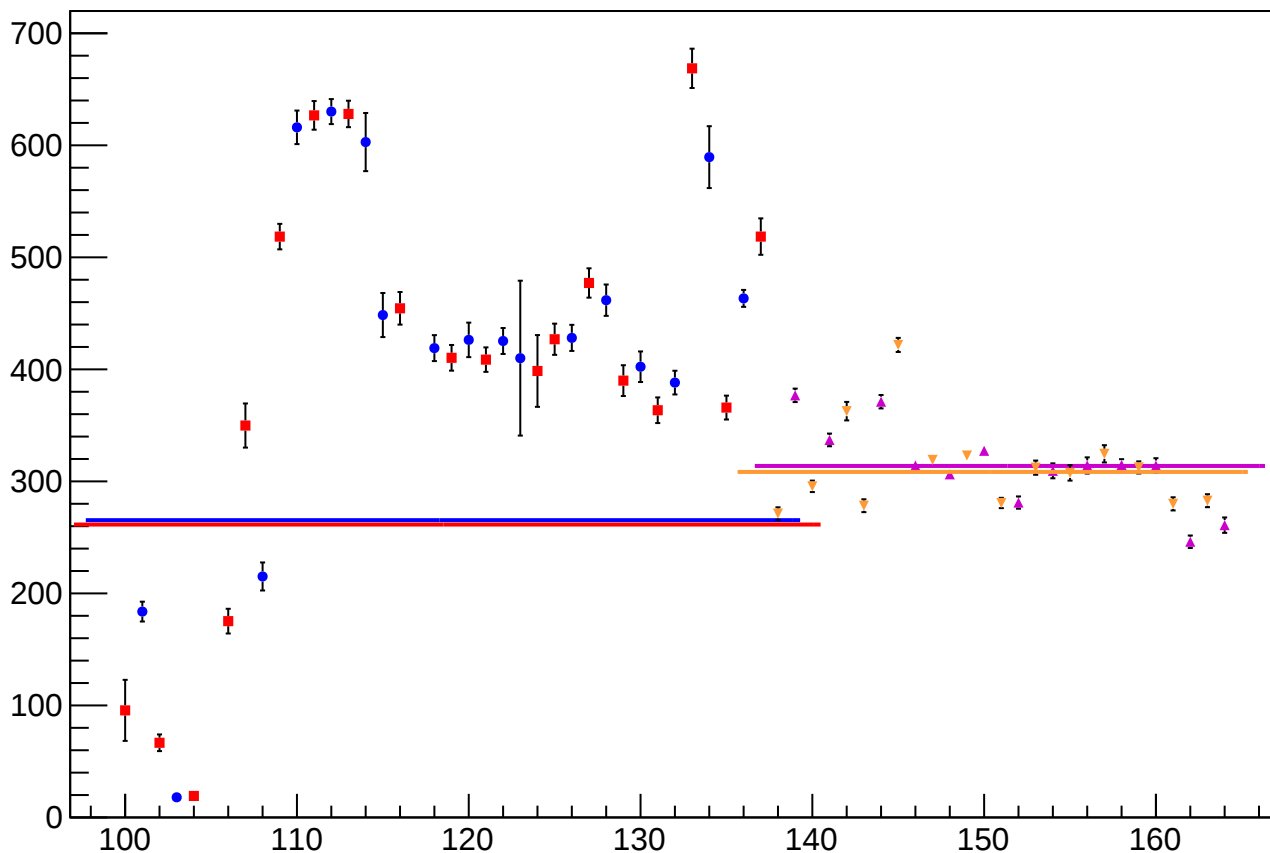
Right: -2.728 ± 1.011 χ^2/NDF : 421.8/35

In: 5.683 ± 0.851 χ^2/NDF : 517.5/29

Out: 4.743 ± 0.812 χ^2/NDF : 493.1/32

All: 5.191 ± 0.588 χ^2/NDF : 1011.2/62

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: 308.452 $\pm$ 1.489 χ^2 /NDF:548.2/13

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

Left In: 313.771 $\pm$ 1.511 χ^2 /NDF:474.6/12

Left: 311.072 $\pm$ 1.061 χ^2 /NDF: 1029.1/26

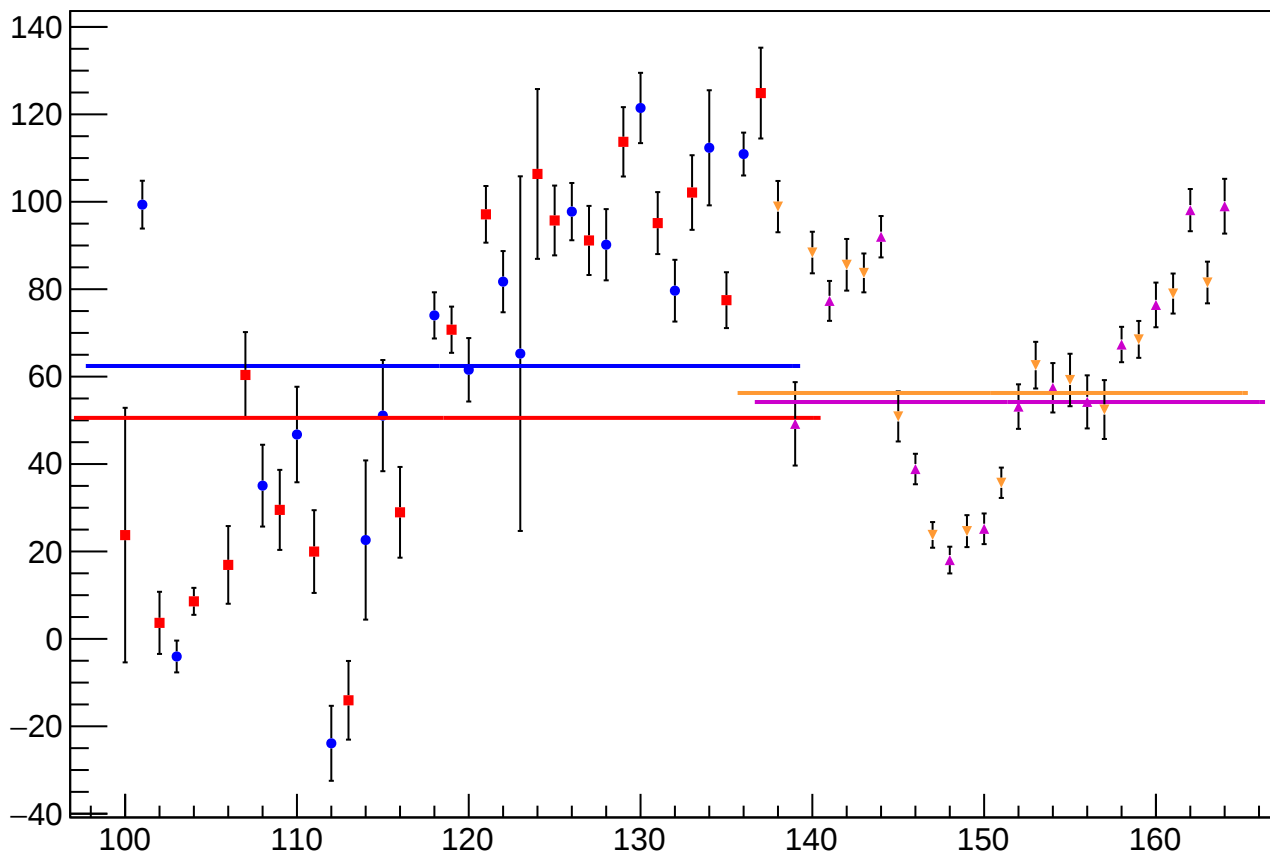
Right: 263.393 $\pm$ 1.749 χ^2 /NDF: 15839.3/35

In: 300.725 $\pm$ 1.292 χ^2 /NDF:8384.8/29

Out: 295.842 $\pm$ 1.273 χ^2 /NDF:9019.9/32

All: 298.249 $\pm$ 0.907 χ^2 /NDF: 17412.0/62

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 56.260 $\pm$ 1.205 χ^2 /NDF: 457.1/13

Right Out: 50.560 $\pm$ 1.642 χ^2 /NDF: 657.4/18

Left In: 54.192 $\pm$ 1.251 χ^2 /NDF: 480.7/12

Left: 55.265 $\pm$ 0.868 χ^2 /NDF: 939.3/26

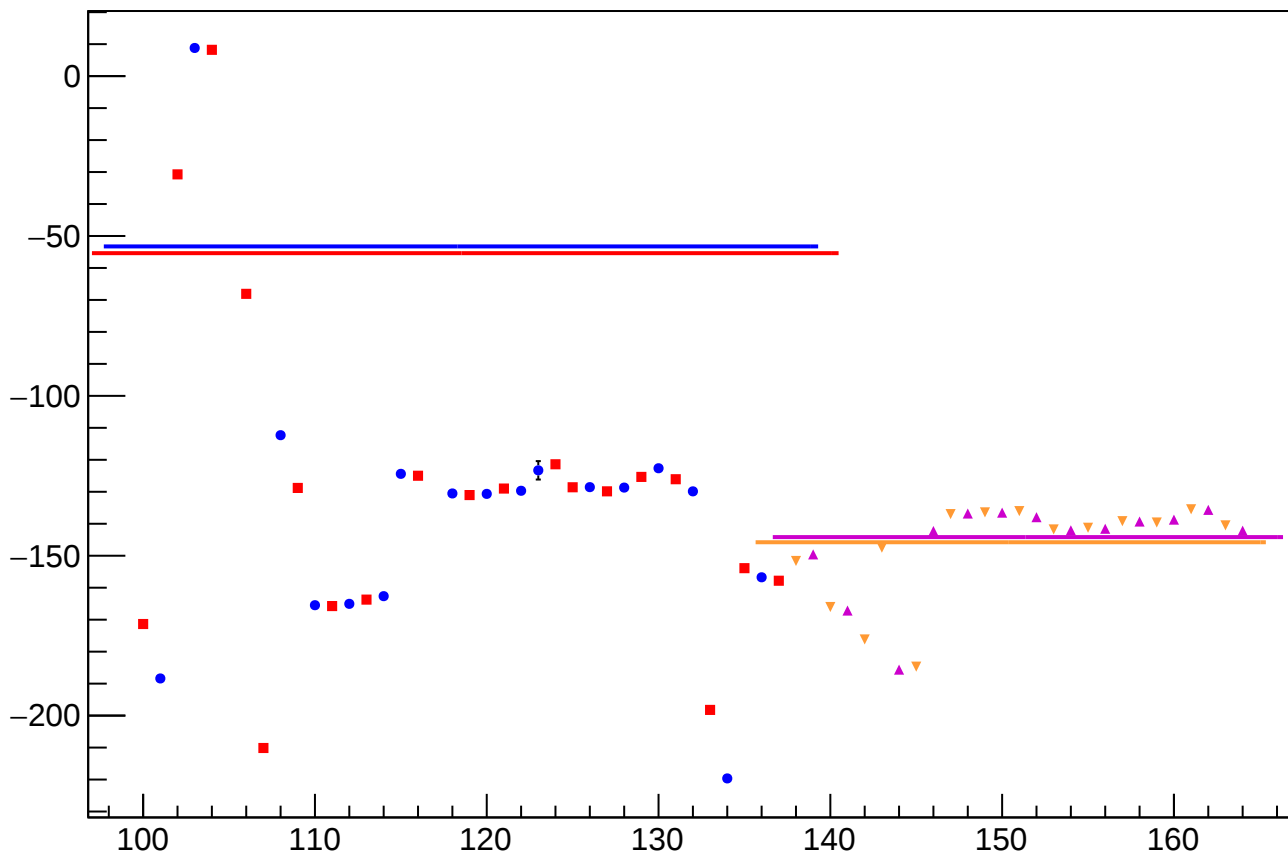
Right: 56.313 $\pm$ 1.179 χ^2 /NDF: 1404.5/35

In: 57.102 $\pm$ 1.006 χ^2 /NDF: 1217.8/29

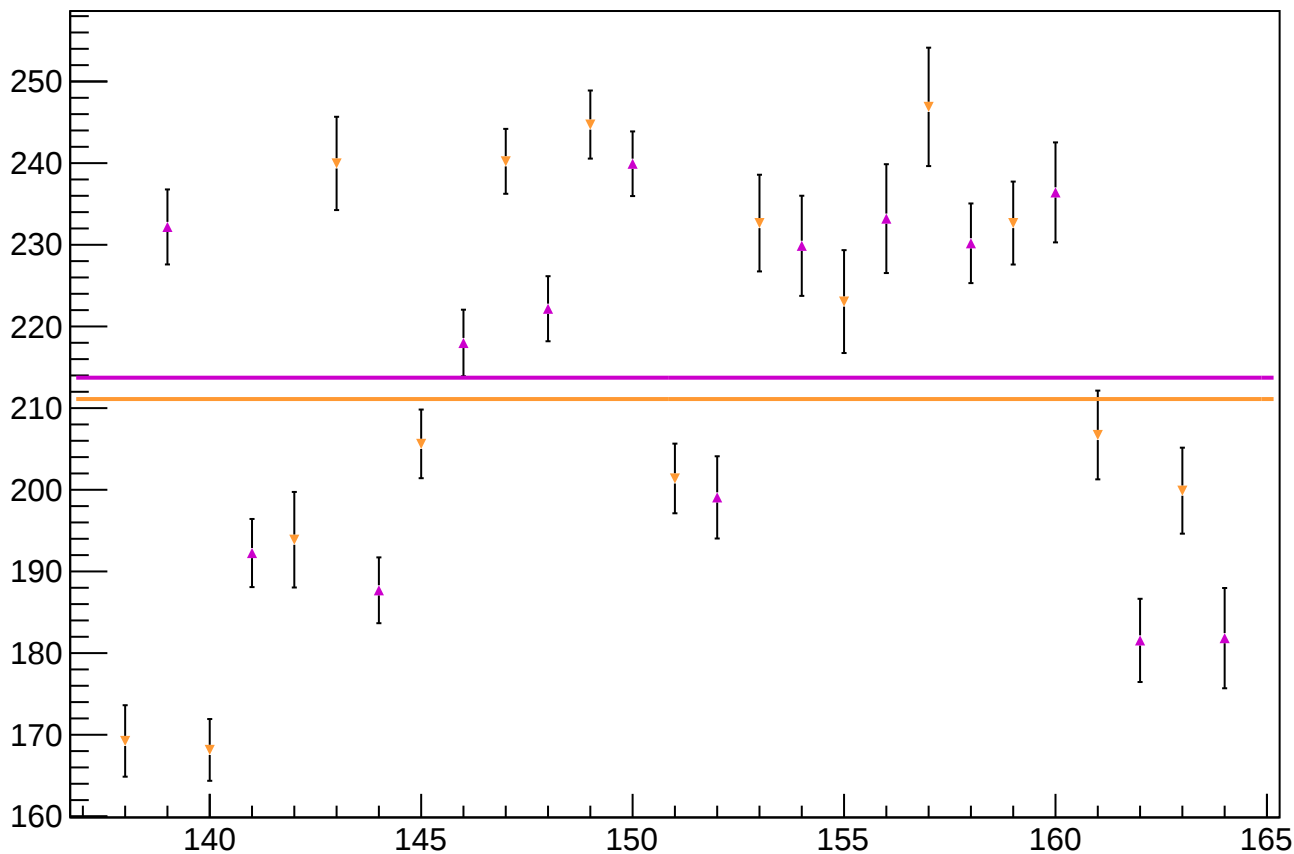
Out: 54.266 $\pm$ 0.971 χ^2 /NDF: 1122.3/32

All: 55.633 $\pm$ 0.699 χ^2 /NDF: 2344.2/62

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 211.111 $\pm$ 1.295 χ^2 /NDF:444.7/13

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

Left In: 213.726 $\pm$ 1.318 χ^2 /NDF:249.7/12

Left: 212.396 $\pm$ 0.924 χ^2 /NDF: 696.4/26

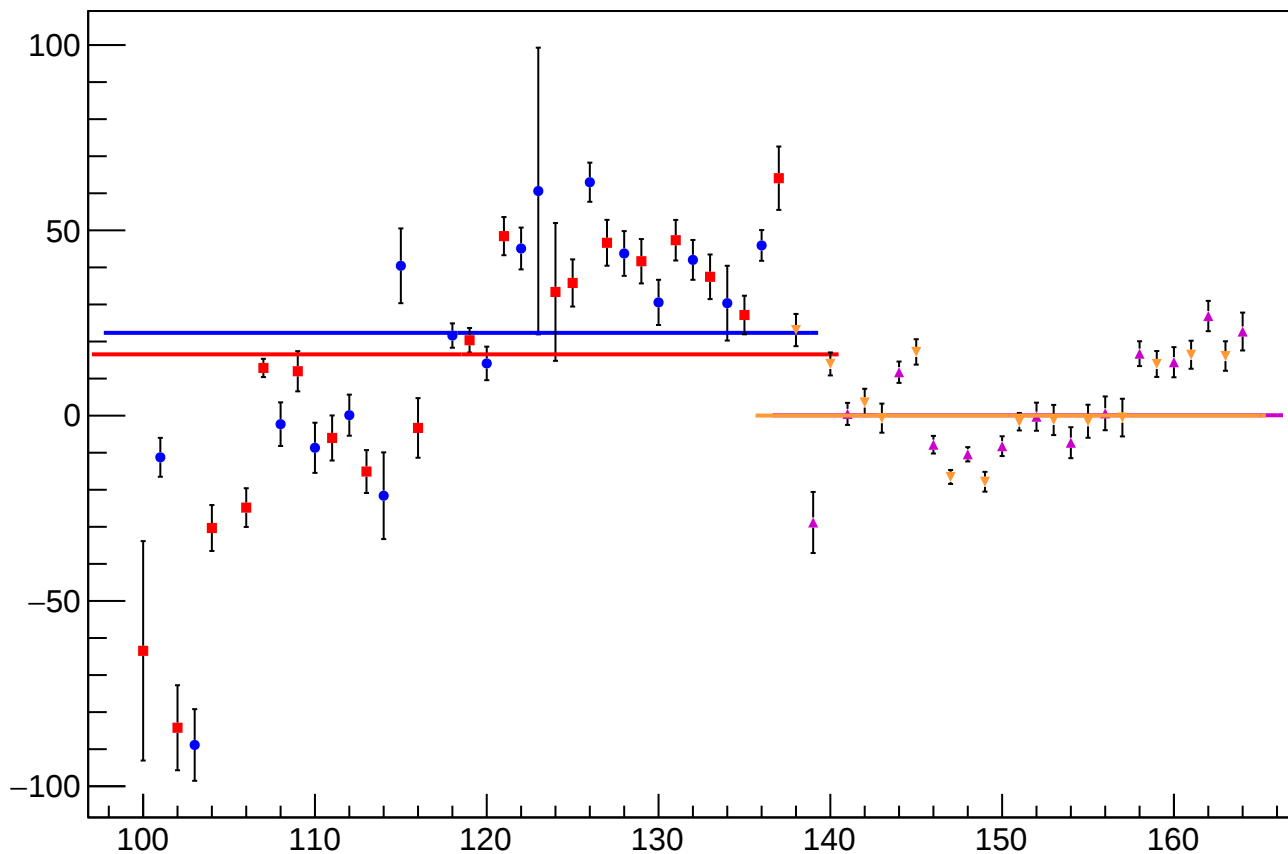
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 213.726 $\pm$ 1.318 χ^2 /NDF:249.7/12

Out: 211.111 $\pm$ 1.295 χ^2 /NDF:444.7/13

All: 212.396 $\pm$ 0.924 χ^2 /NDF: 696.4/26

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: 0.027 $\pm$ 0.862 χ^2 /NDF:248.1/13

Right Out: 16.537 $\pm$ 1.227 χ^2 /NDF: 426.6/18

Left In: 0.103 $\pm$ 0.892 χ^2 /NDF:181.8/12

Left: 0.064 $\pm$ 0.620 χ^2 /NDF: 429.9/26

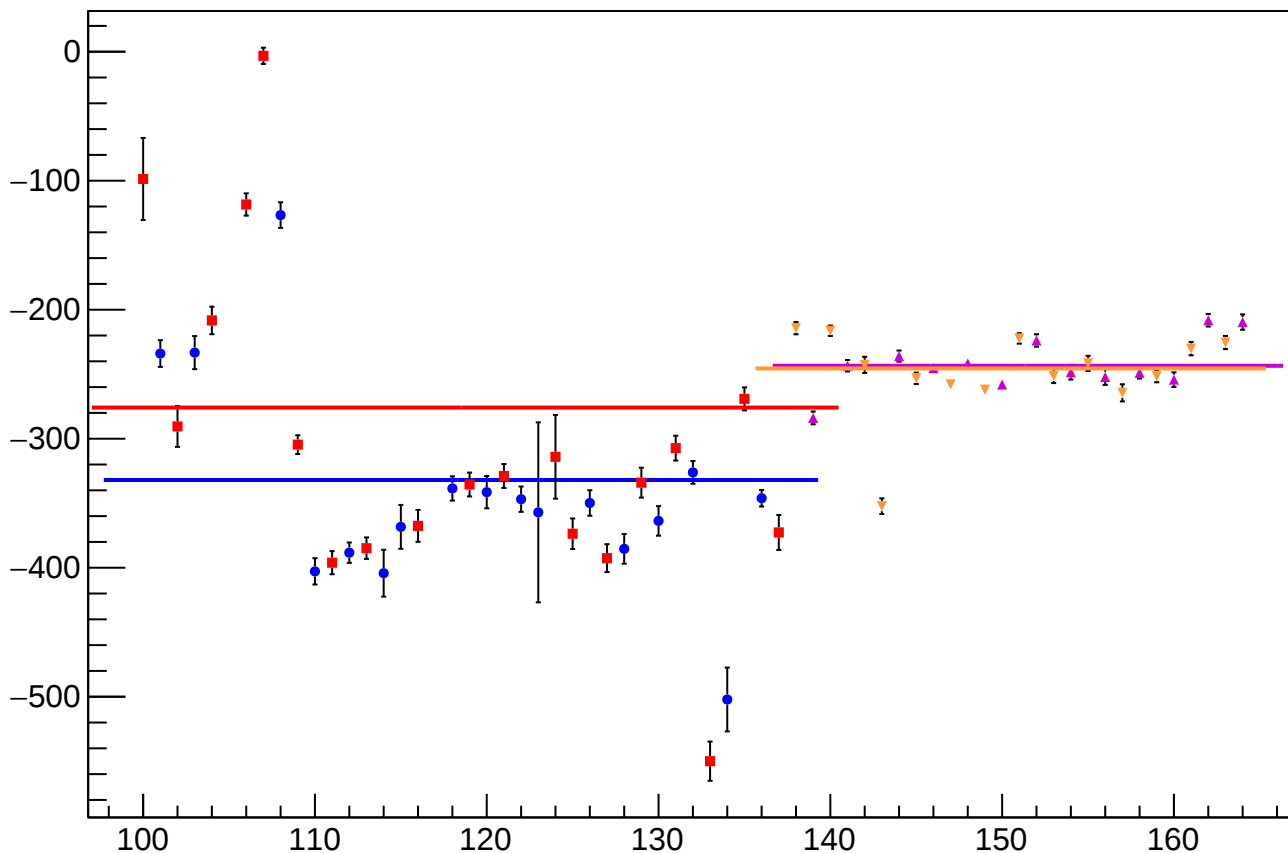
Right: 19.069 $\pm$ 0.922 χ^2 /NDF: 822.2/35

In: 6.559 $\pm$ 0.752 χ^2 /NDF:747.9/29

Out: 5.479 $\pm$ 0.705 χ^2 /NDF:795.9/32

All: 5.985 $\pm$ 0.514 χ^2 /NDF: 1544.9/62

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: -245.528+/-1.277 χ^2/NDF : 503.5/13

Right Out: -275.842+/-2.325 χ^2/NDF : 3362.2/18

Left In: -243.456+/-1.285 χ^2/NDF : 193.1/12

Left: -244.499+/-0.906 χ^2/NDF : 697.9/26

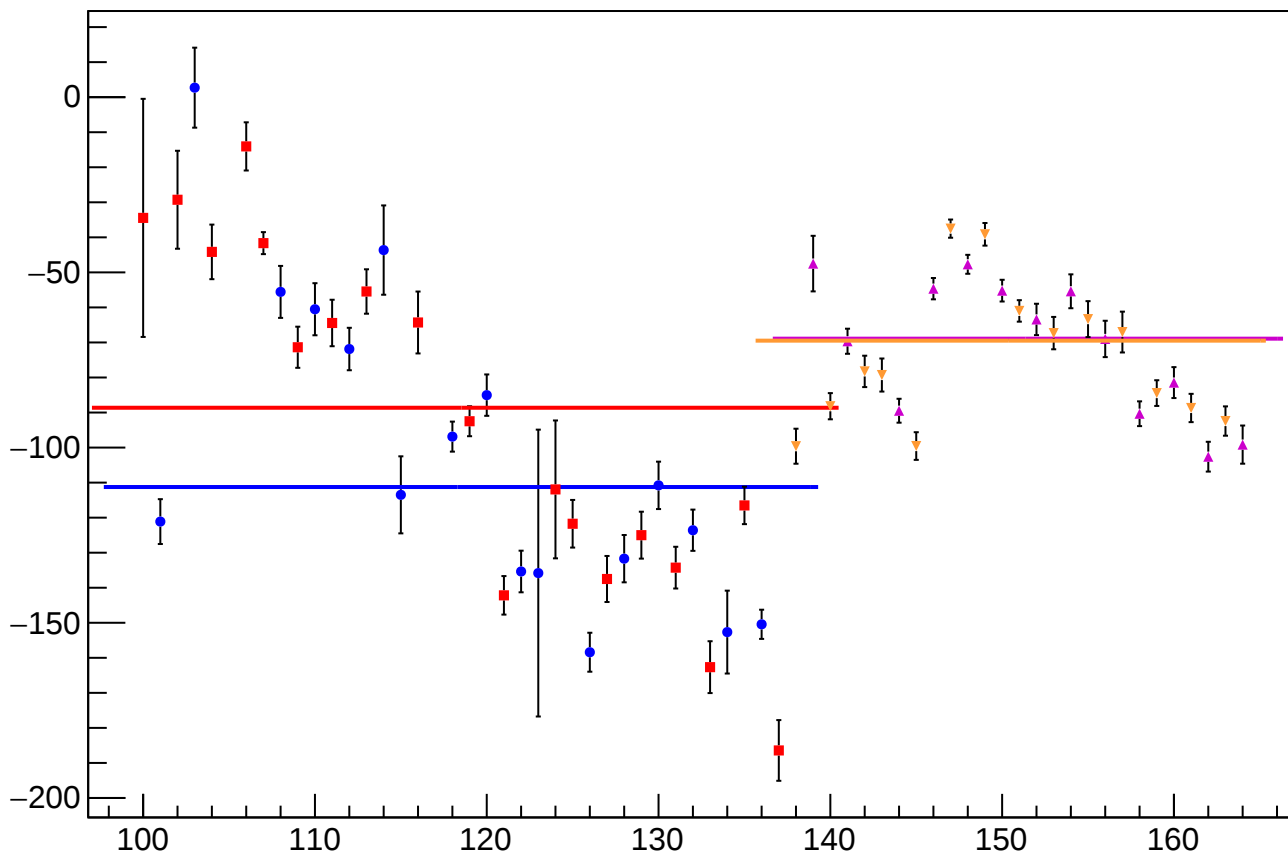
Right: -300.997+/-1.727 χ^2/NDF : 4408.6/35

In: -261.060+/-1.151 χ^2/NDF : 1921.3/29

Out: -252.552+/-1.119 χ^2/NDF : 3996.4/32

All: -256.688+/-0.802 χ^2/NDF : 5945.7/62

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: -69.483 ± 1.038 χ^2/NDF : 446.4/13

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

Left In: -68.918 ± 1.066 χ^2/NDF : 294.6/12

Left: -69.208 ± 0.744 χ^2/NDF : 741.2/26

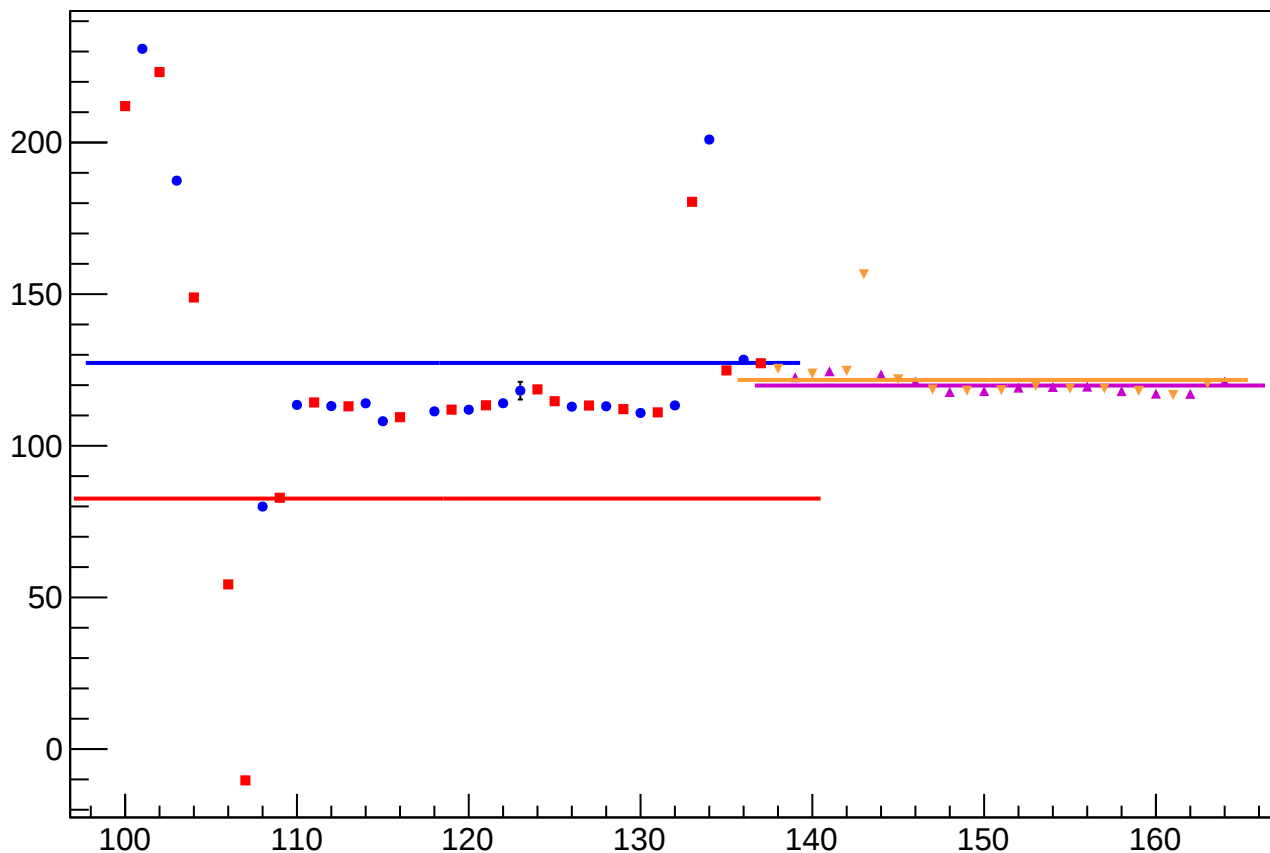
Right: -98.723 ± 1.067 χ^2/NDF : 1591.7/35

In: -81.973 ± 0.887 χ^2/NDF : 1290.3/29

Out: -76.073 ± 0.841 χ^2/NDF : 1534.5/32

All: -78.865 ± 0.610 χ^2/NDF : 2848.0/62

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 121.715+/-0.051 χ^2/NDF : 23673.1/13

Right Out: 82.595+/-0.075 χ^2/NDF : 765022.5/18

Left In: 119.875+/-0.051 χ^2/NDF : 2206.9/12

Left: 120.796+/-0.036 χ^2/NDF : 26526.6/26

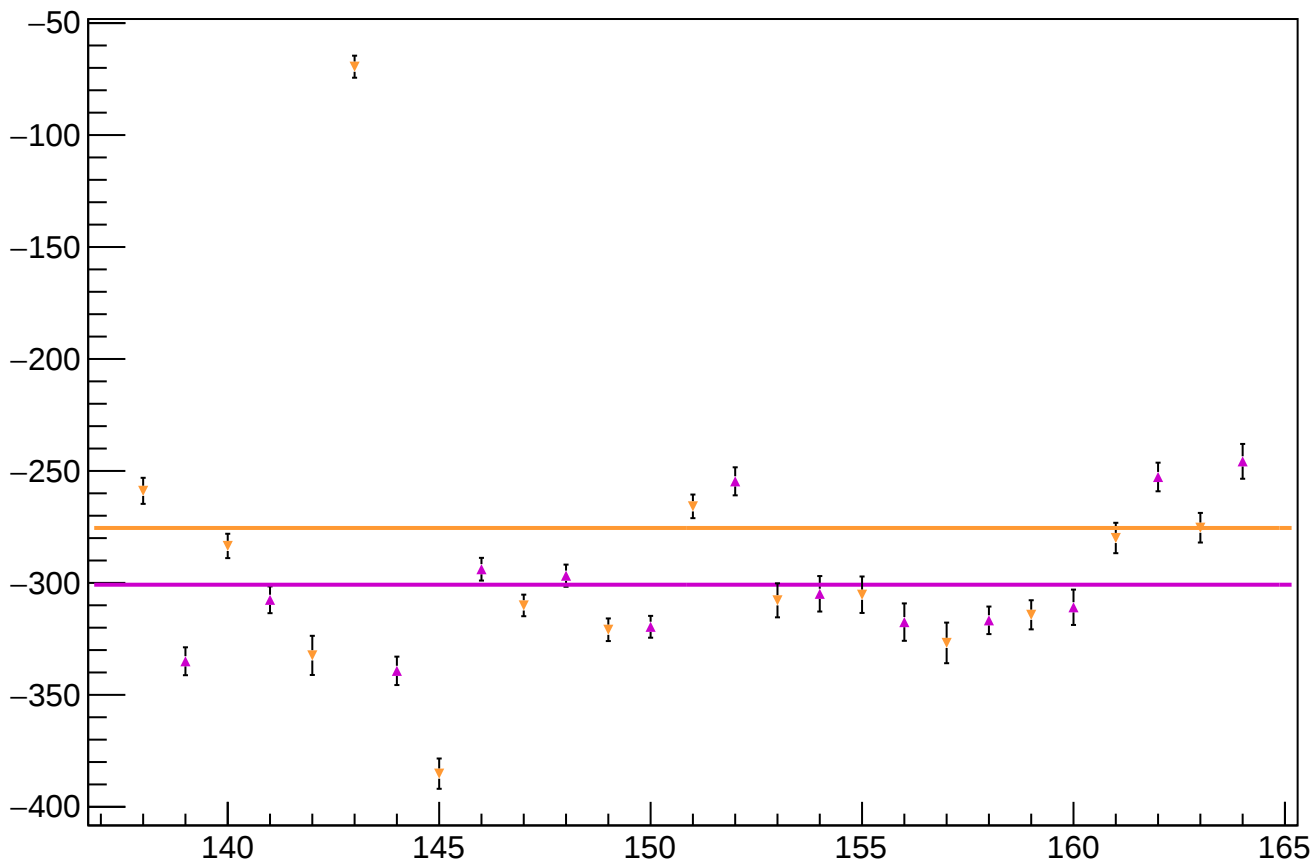
Right: 101.169+/-0.058 χ^2/NDF : 1099026.8/35

In: 121.713+/-0.044 χ^2/NDF : 195206.0/29

Out: 109.376+/-0.042 χ^2/NDF : 973105.3/32

All: 115.246+/-0.031 χ^2/NDF : 1208721.0/62

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -275.466+/-1.643 χ^2/NDF :2301.7/13

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

Left In: -300.809+/-1.716 χ^2/NDF :259.3/12

Left: -287.586+/-1.187 χ^2/NDF : 2674.8/26

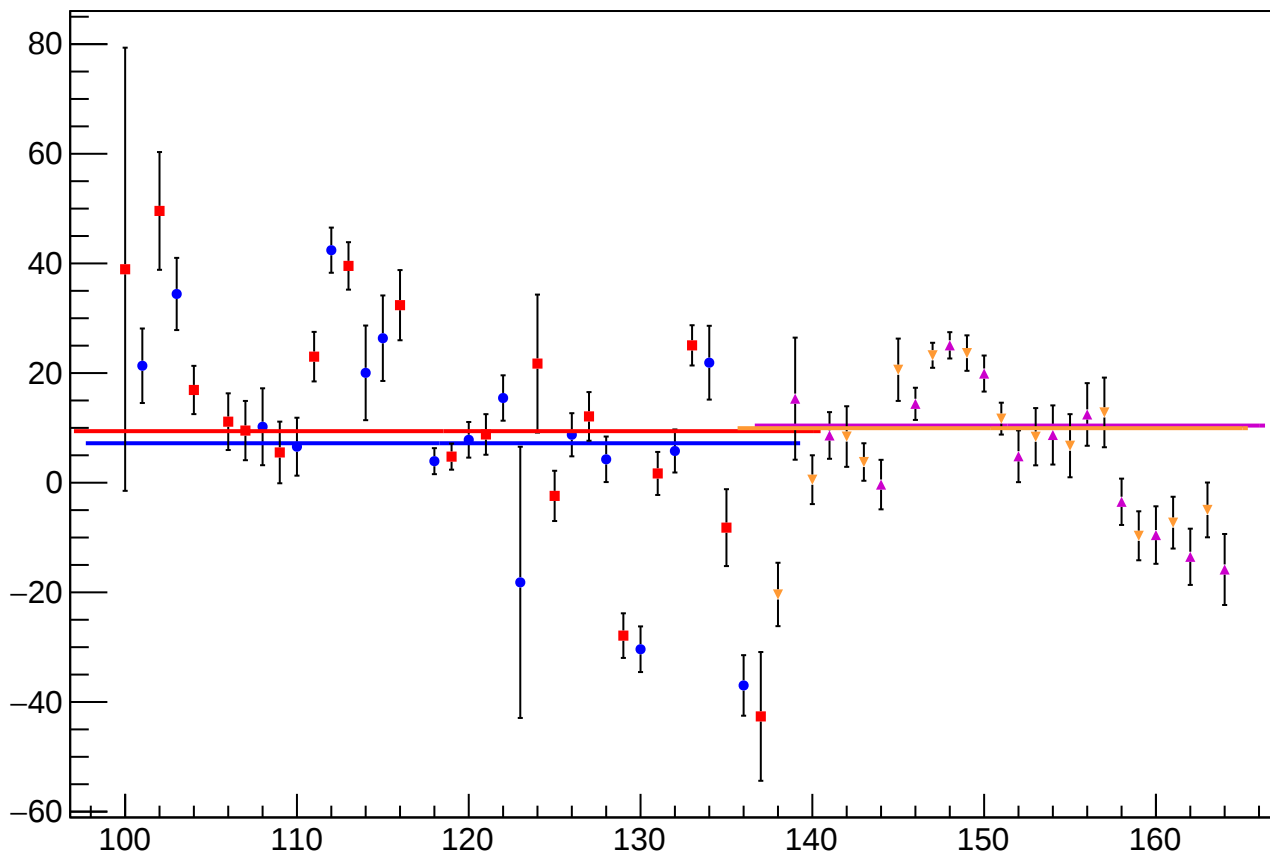
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -300.809+/-1.716 χ^2/NDF :259.3/12

Out: -275.466+/-1.643 χ^2/NDF :2301.7/13

All: -287.586+/-1.187 χ^2/NDF : 2674.8/26

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: 9.947 ± 1.077 χ^2/NDF : 133.1/13

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

Left In: 10.423 ± 1.148 χ^2/NDF : 118.5/12

Left: 10.170 ± 0.786 χ^2/NDF : 251.7/26

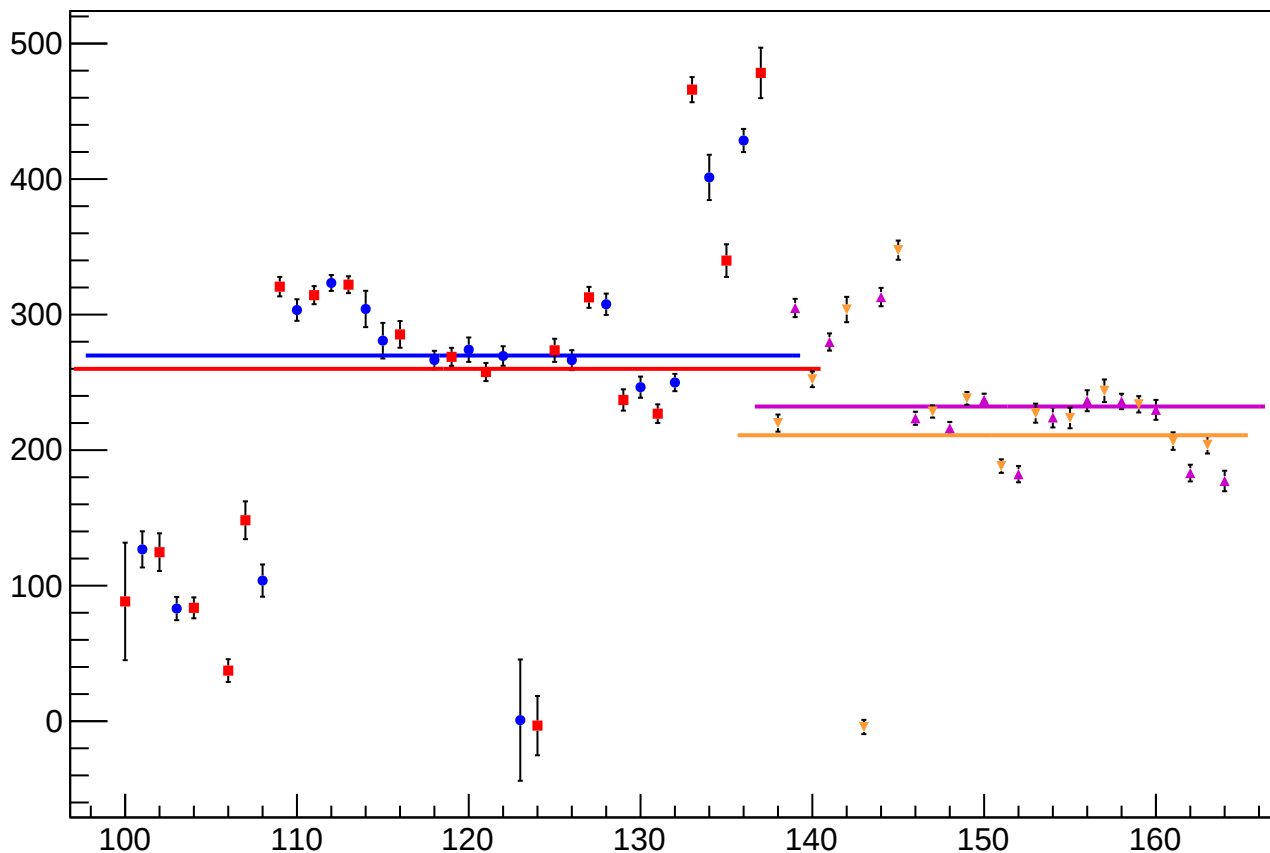
Right: 8.333 ± 0.768 χ^2/NDF : 495.1/35

In: 8.746 ± 0.795 χ^2/NDF : 383.5/29

Out: 9.673 ± 0.760 χ^2/NDF : 365.4/32

All: 9.231 ± 0.549 χ^2/NDF : 749.6/62

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 210.993 $\pm$ 1.613 χ^2 /NDF:2309.0/13

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

Left In: 232.182 $\pm$ 1.662 χ^2 /NDF:517.6/12

Left: 221.272 $\pm$ 1.158 χ^2 /NDF: 2910.3/26

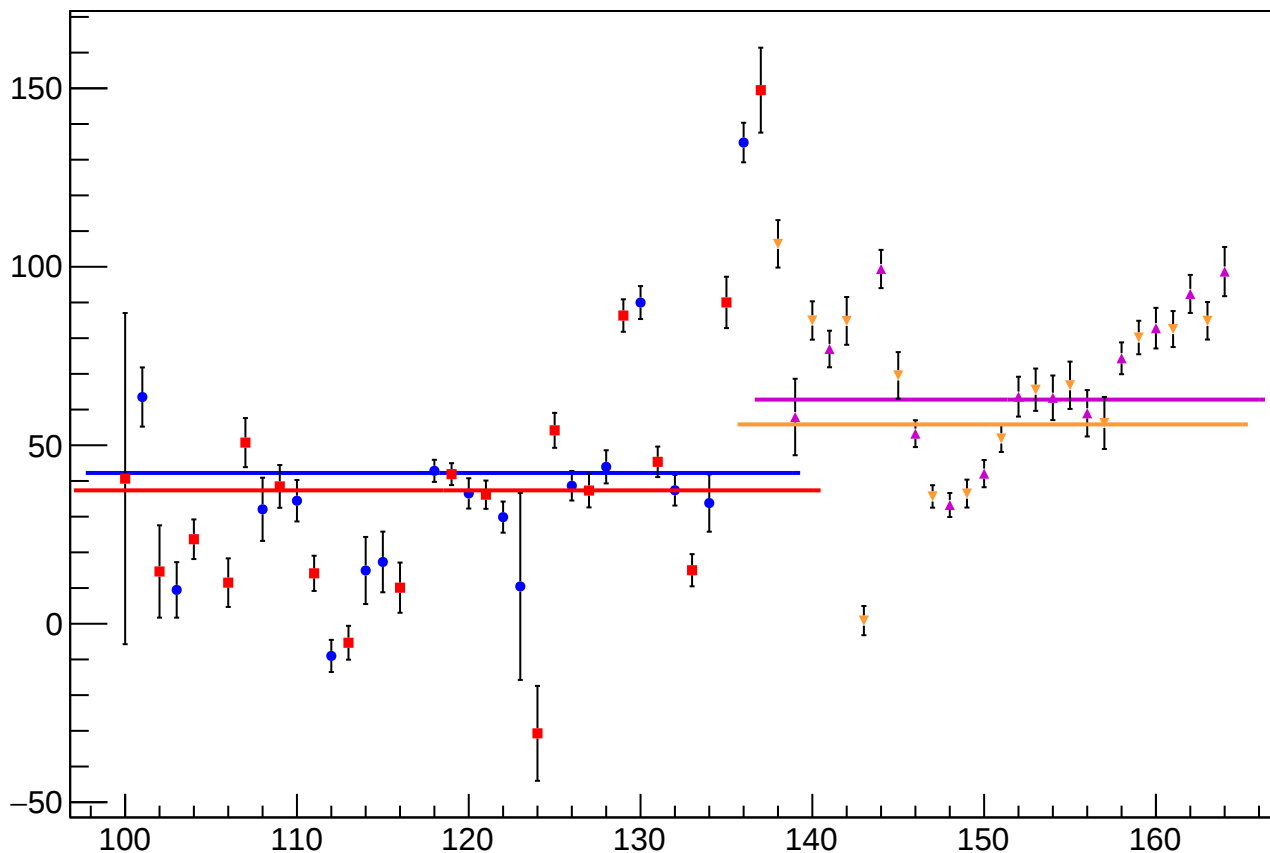
Right: 264.622 $\pm$ 1.436 χ^2 /NDF: 3924.4/35

In: 246.766 $\pm$ 1.301 χ^2 /NDF:2090.3/29

Out: 230.577 $\pm$ 1.250 χ^2 /NDF:5216.2/32

All: 238.350 $\pm$ 0.901 χ^2 /NDF: 7387.1/62

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 55.846 $\pm$ 1.302 χ^2 /NDF:448.6/13

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

Left In: 62.792 $\pm$ 1.376 χ^2 /NDF:245.2/12

Left: 59.129 $\pm$ 0.946 χ^2 /NDF: 707.2/26

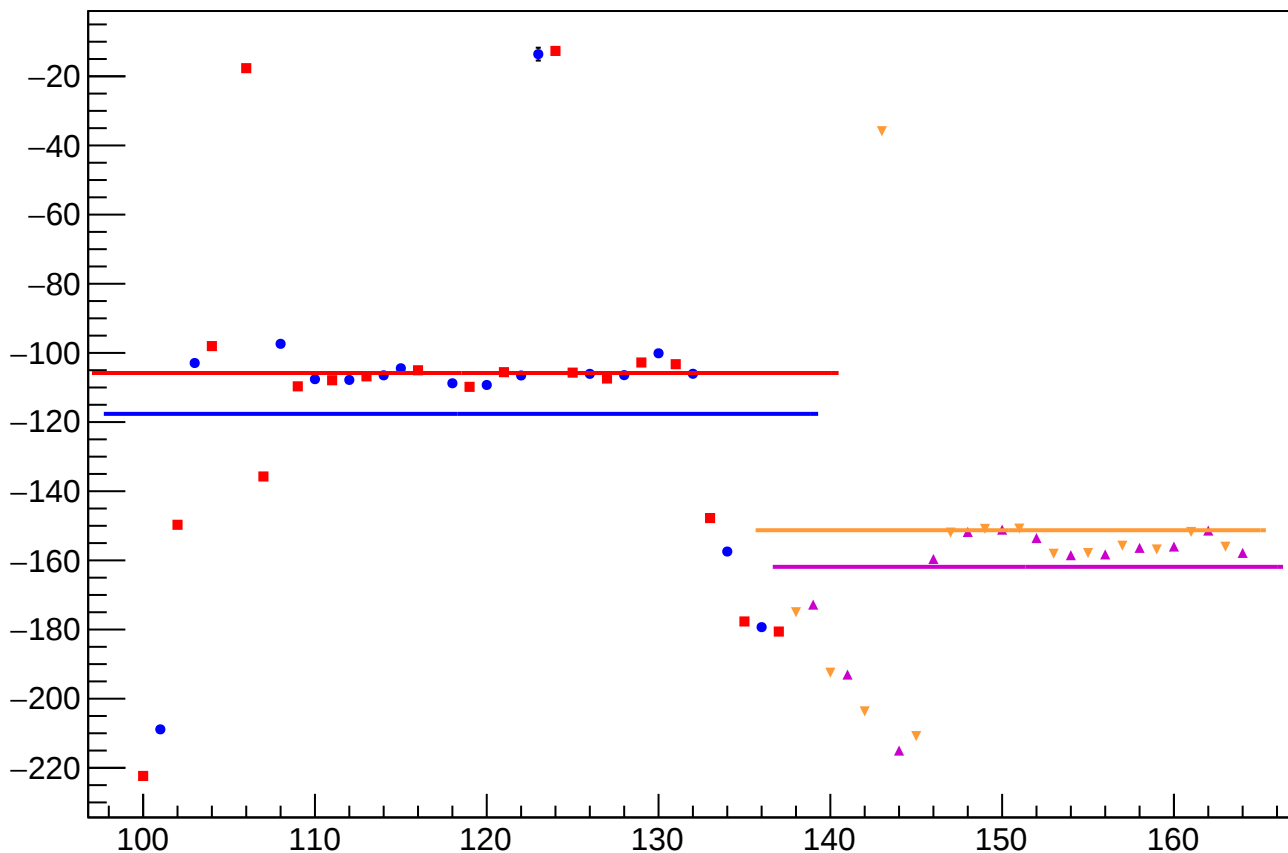
Right: 39.728 $\pm$ 0.886 χ^2 /NDF: 1054.2/35

In: 51.727 $\pm$ 0.935 χ^2 /NDF:939.7/29

Out: 46.115 $\pm$ 0.896 χ^2 /NDF:1027.0/32

All: 48.802 $\pm$ 0.647 χ^2 /NDF: 1985.5/62

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: -151.282+/-0.065 χ^2/NDF : 403619.3/13

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

Left In: -161.866+/-0.066 χ^2/NDF : 59334.7/12

Left: -156.460+/-0.046 χ^2/NDF : 476011.2/26

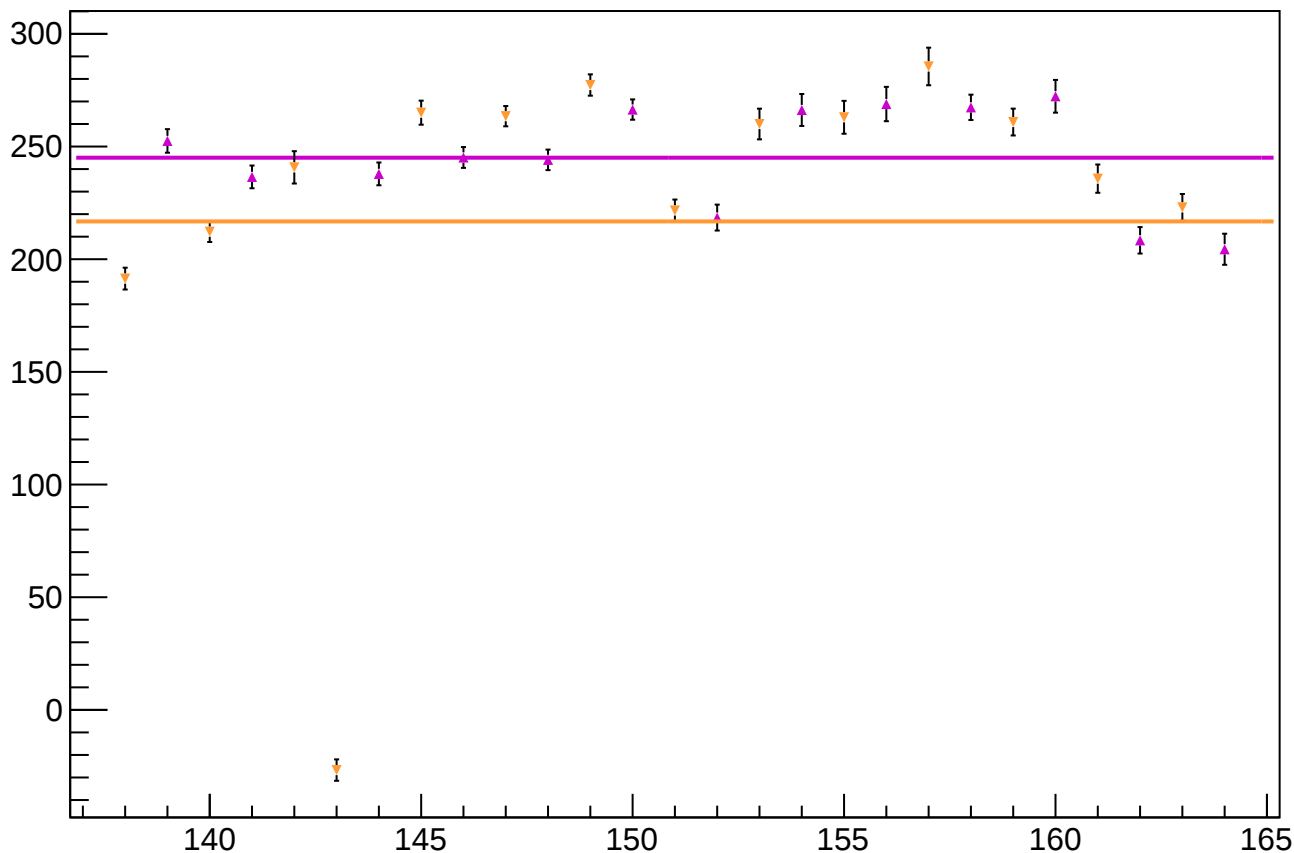
Right: -111.270+/-0.053 χ^2/NDF : 477157.6/35

In: -143.489+/-0.051 χ^2/NDF : 386763.7/29

Out: -131.188+/-0.048 χ^2/NDF : 944428.8/32

All: -137.064+/-0.035 χ^2/NDF : 1362045.0/62

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000±0.000 χ^2/NDF : 0.0/0

Left Out: 216.768±1.470 χ^2/NDF :3229.8/13

Right Out: 0.000±0.000 χ^2/NDF : 0.0/0

Left In: 245.047±1.530 χ^2/NDF :173.0/12

Left: 230.345±1.060 χ^2/NDF : 3580.4/26

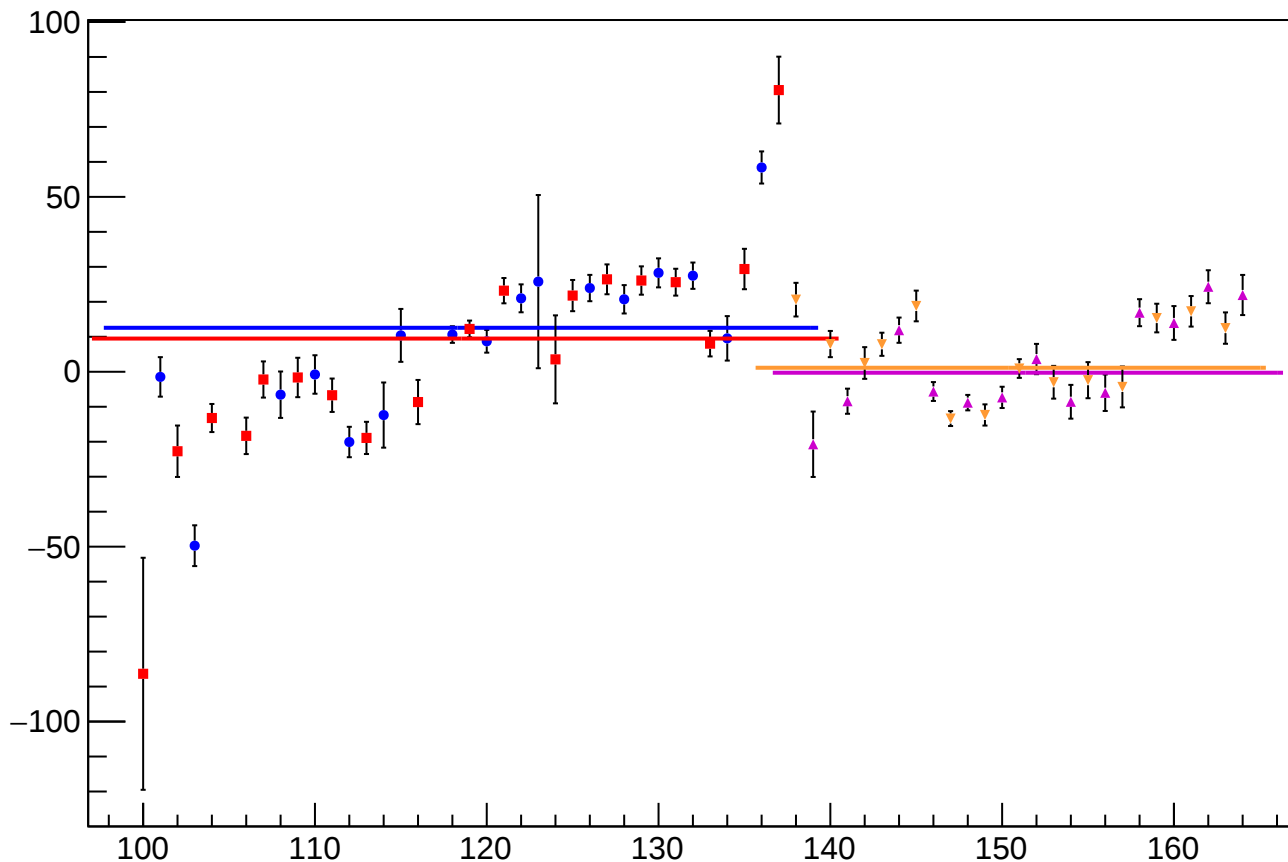
Right: 0.000±0.000 χ^2/NDF : 0.0/0

In: 245.047±1.530 χ^2/NDF :173.0/12

Out: 216.768±1.470 χ^2/NDF :3229.8/13

All: 230.345±1.060 χ^2/NDF : 3580.4/26

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: 1.149+/-0.976 χ^2/NDF :140.6/13

Right Out: 9.493+/-1.047 χ^2/NDF : 295.8/18

Left In: -0.275+/-1.035 χ^2/NDF :121.2/12

Left: 0.478+/-0.710 χ^2/NDF : 262.7/26

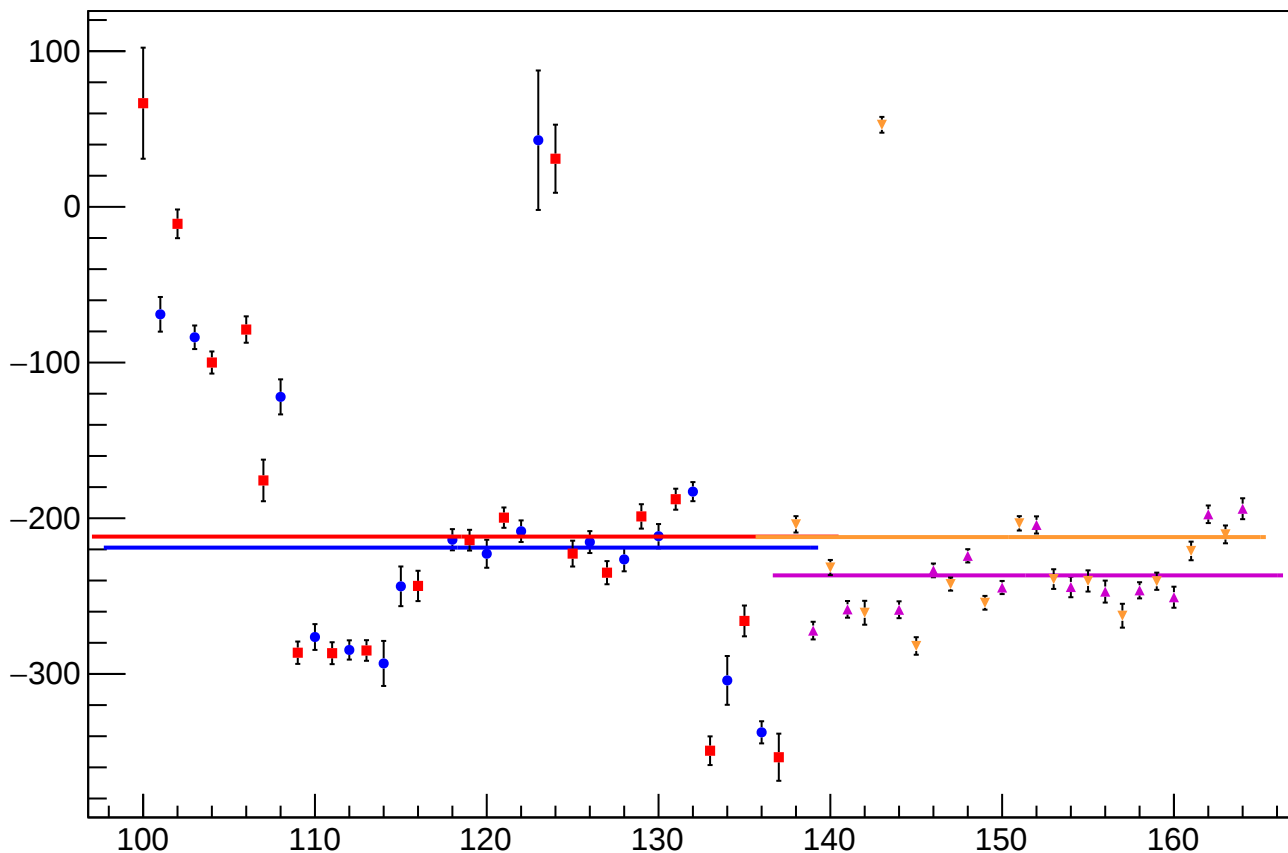
Right: 10.995+/-0.750 χ^2/NDF : 648.0/35

In: 5.909+/-0.745 χ^2/NDF :543.4/29

Out: 5.028+/-0.714 χ^2/NDF :470.3/32

All: 5.450+/-0.516 χ^2/NDF : 1014.5/62

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -212.090 ± 1.451 χ^2/NDF : 3188.4/13

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

Left In: -236.695 ± 1.489 χ^2/NDF : 219.6/12

Left: -224.070 ± 1.039 χ^2/NDF : 3548.1/26

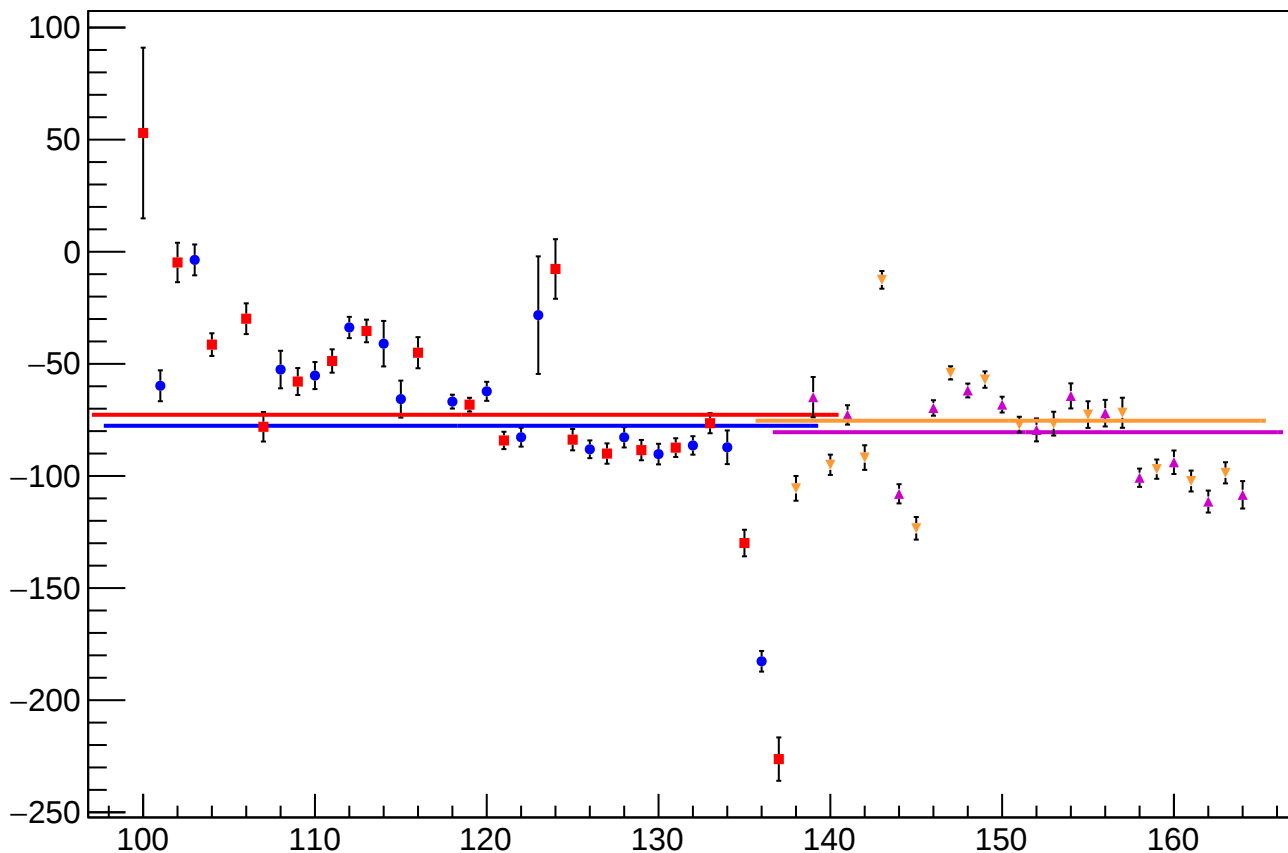
Right: -215.141 ± 1.394 χ^2/NDF : 3038.2/35

In: -230.423 ± 1.199 χ^2/NDF : 1416.6/29

Out: -211.978 ± 1.158 χ^2/NDF : 5073.6/32

All: -220.880 ± 0.833 χ^2/NDF : 6612.6/62

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: -75.357 ± 1.177 χ^2/NDF : 562.1/13

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

Left In: -80.484 ± 1.237 χ^2/NDF : 208.3/12

Left: -77.793 ± 0.853 χ^2/NDF : 779.4/26

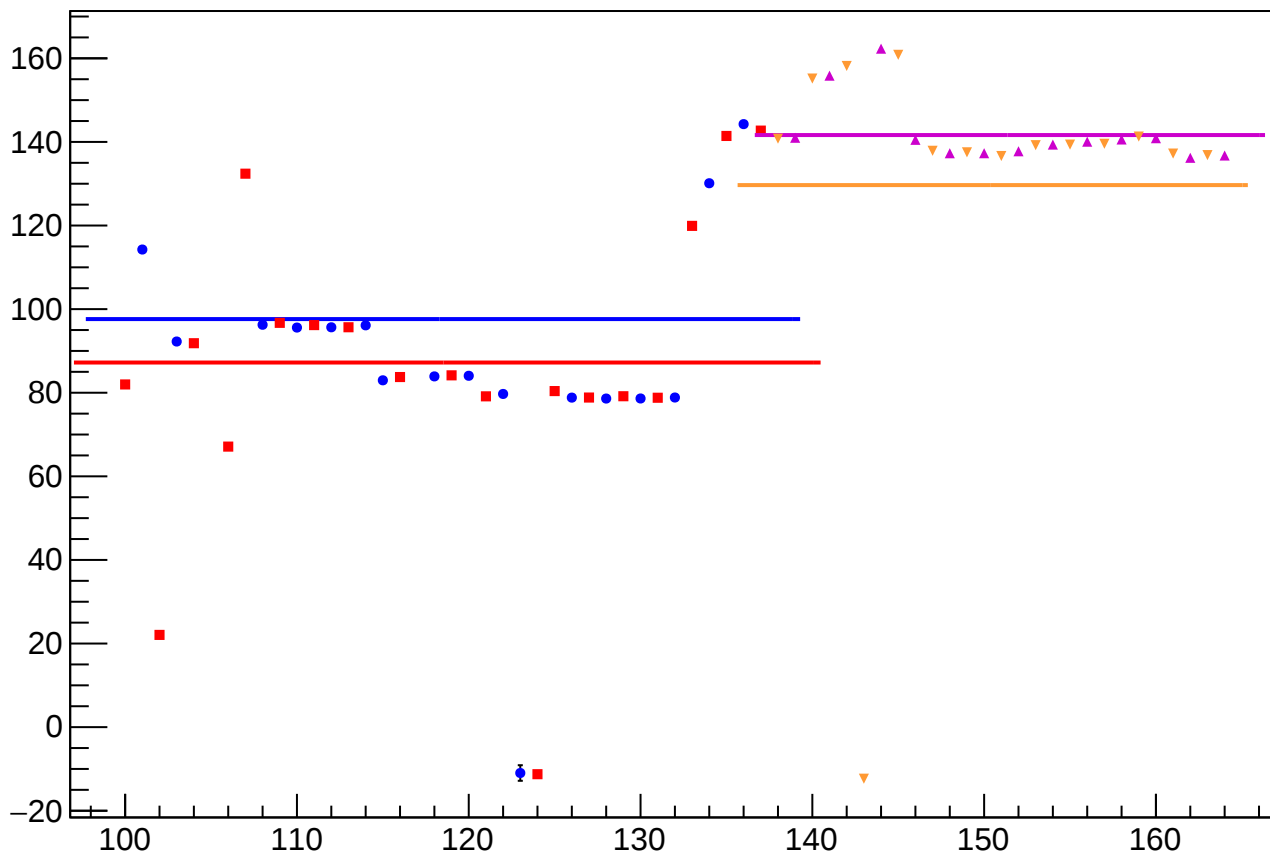
Right: -75.100 ± 0.863 χ^2/NDF : 1495.4/35

In: -79.047 ± 0.875 χ^2/NDF : 1026.8/29

Out: -74.066 ± 0.842 χ^2/NDF : 1236.0/32

All: -76.463 ± 0.607 χ^2/NDF : 2279.7/62

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 129.672 $\pm$ 0.058 χ^2 /NDF: 549514.9/13

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

Left In: 141.644 $\pm$ 0.059 χ^2 /NDF: 14508.5/12

Left: 135.545 $\pm$ 0.042 χ^2 /NDF: 584794.6/26

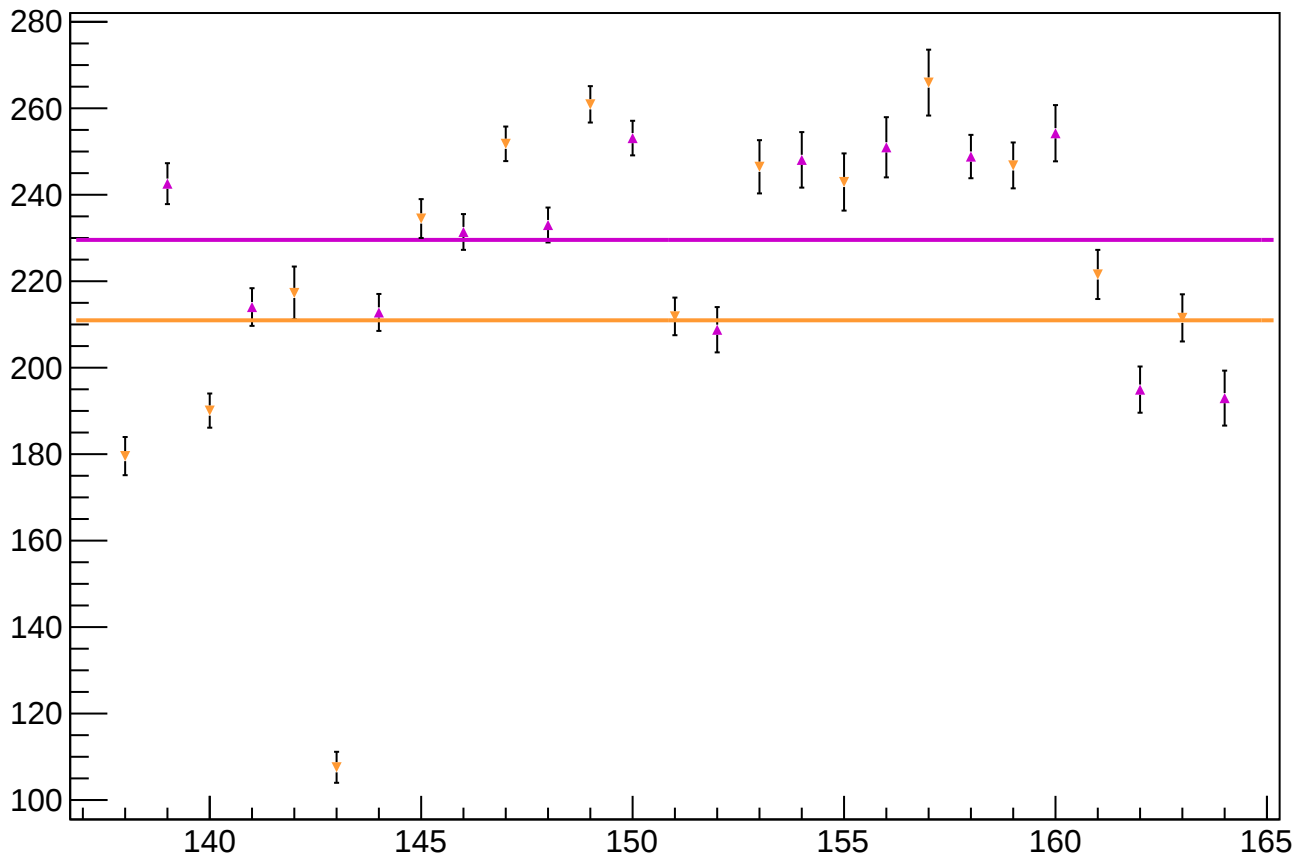
Right: 92.025 $\pm$ 0.050 χ^2 /NDF: 325598.1/35

In: 124.351 $\pm$ 0.046 χ^2 /NDF: 325143.4/29

Out: 111.814 $\pm$ 0.044 χ^2 /NDF: 994295.1/32

All: 117.817 $\pm$ 0.032 χ^2 /NDF: 1357824.3/62

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: 210.959+/-1.283 χ^2/NDF :1341.7/13

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

Left In: 229.561+/-1.363 χ^2/NDF :209.0/12

Left: 219.700+/-0.934 χ^2/NDF : 1649.6/26

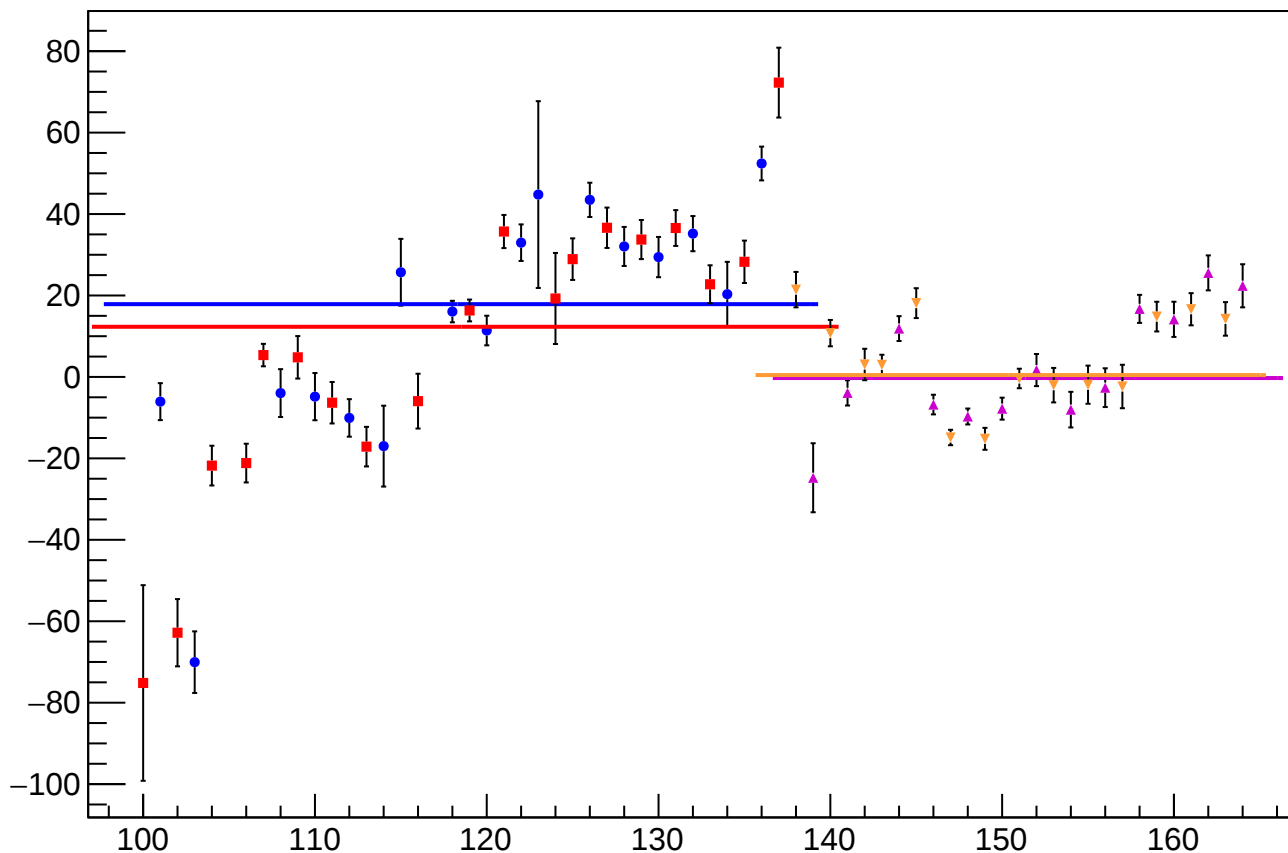
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 229.561+/-1.363 χ^2/NDF :209.0/12

Out: 210.959+/-1.283 χ^2/NDF :1341.7/13

All: 219.700+/-0.934 χ^2/NDF : 1649.6/26

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 $\pm$ 1.166 χ^2 /NDF: 395.3/16

Left Out: 0.452 $\pm$ 0.852 χ^2 /NDF:201.8/13

Right Out: 12.317 $\pm$ 1.083 χ^2 /NDF: 444.0/18

Left In: -0.273 $\pm$ 0.919 χ^2 /NDF:157.5/12

Left: 0.117 $\pm$ 0.625 χ^2 /NDF: 359.6/26

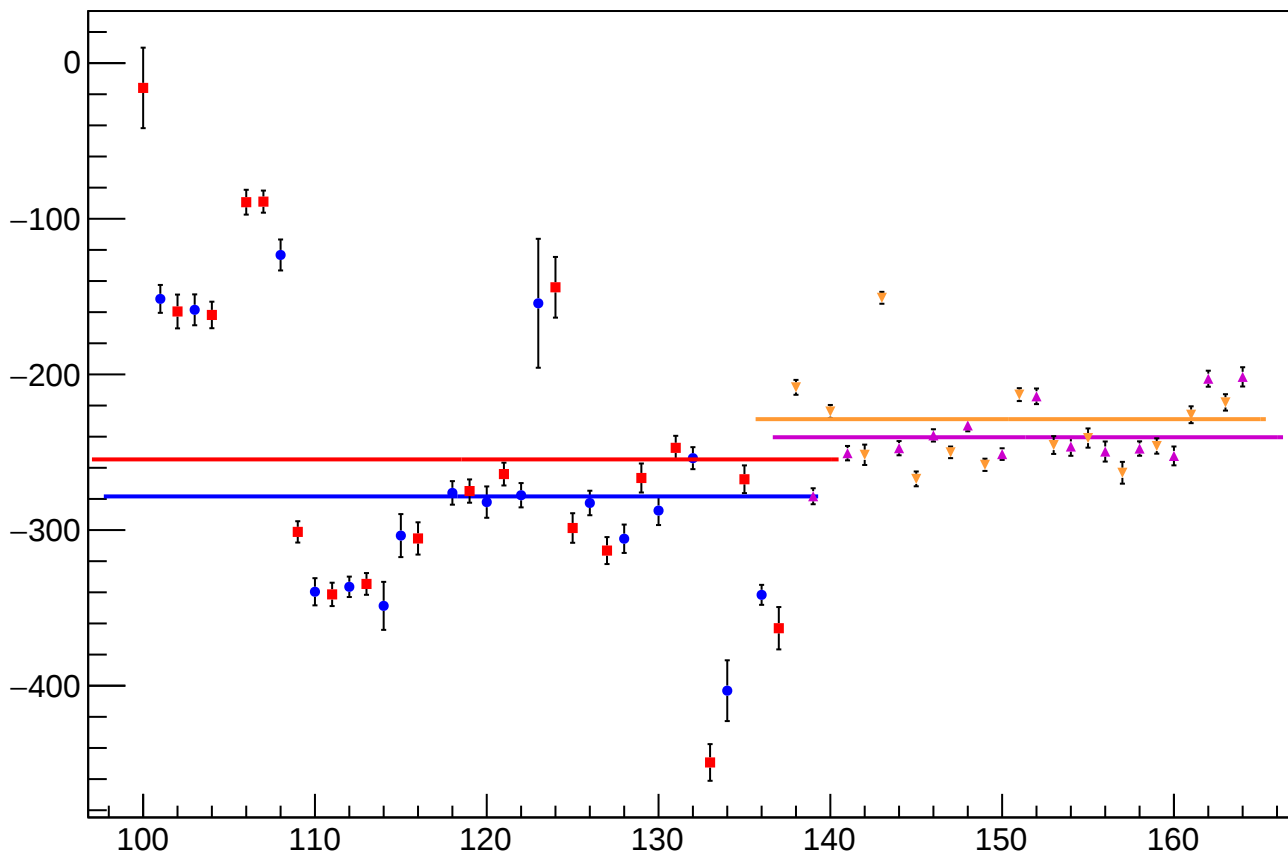
Right: 14.891 $\pm$ 0.794 χ^2 /NDF: 851.6/35

In: 6.683 $\pm$ 0.722 χ^2 /NDF:702.2/29

Out: 4.986 $\pm$ 0.670 χ^2 /NDF:719.9/32

All: 5.771 $\pm$ 0.491 χ^2 /NDF: 1425.1/62

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: -228.742 ± 1.271 χ^2/NDF : 667.9/13

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

Left In: -240.360 ± 1.328 χ^2/NDF : 203.9/12

Left: -234.296 ± 0.918 χ^2/NDF : 911.8/26

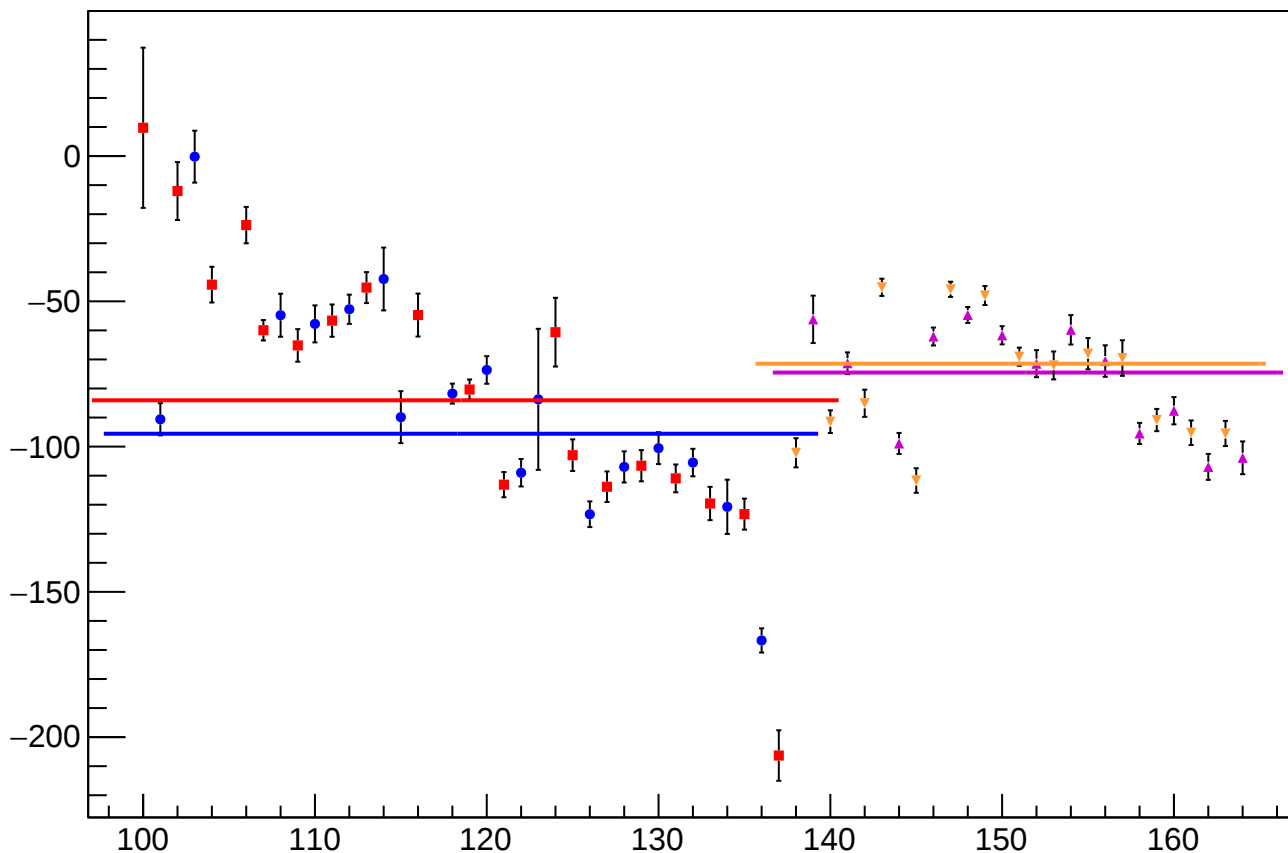
Right: -265.560 ± 1.483 χ^2/NDF : 3011.9/35

In: -250.615 ± 1.135 χ^2/NDF : 1335.7/29

Out: -236.077 ± 1.076 χ^2/NDF : 2822.8/32

All: -242.958 ± 0.781 χ^2/NDF : 4244.9/62

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: -71.465 ± 1.028 χ^2/NDF : 478.3/13

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

Left In: -74.513 ± 1.101 χ^2/NDF : 267.2/12

Left: -72.885 ± 0.751 χ^2/NDF : 749.6/26

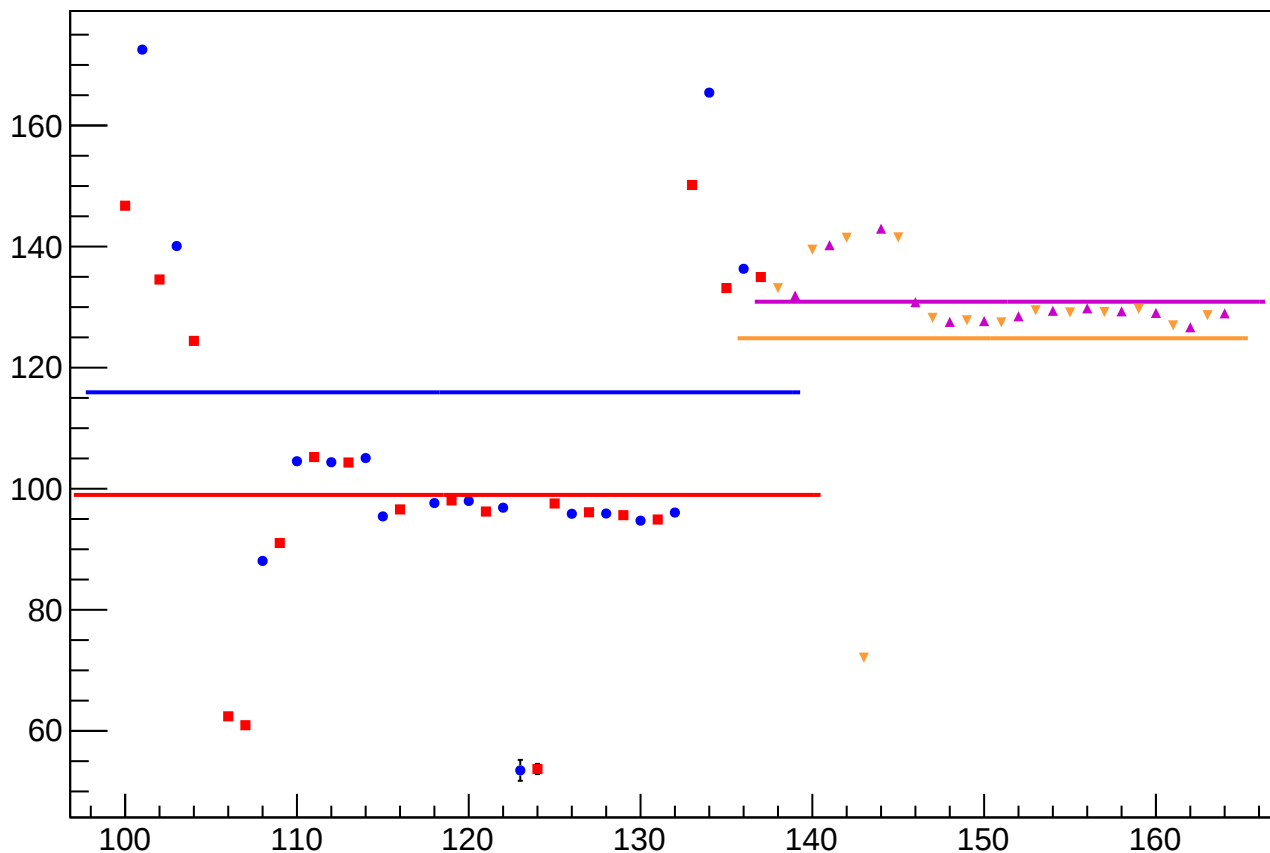
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -82.995 ± 0.851 χ^2/NDF : 1085.9/29

Out: -76.515 ± 0.796 χ^2/NDF : 1321.7/32

All: -79.539 ± 0.581 χ^2/NDF : 2438.6/62

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: 124.859 $\pm$ 0.051 χ^2 /NDF: 141741.2/13

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

Left In: 130.892 $\pm$ 0.053 χ^2 /NDF: 7856.6/12

Left: 127.765 $\pm$ 0.037 χ^2 /NDF: 156323.2/26

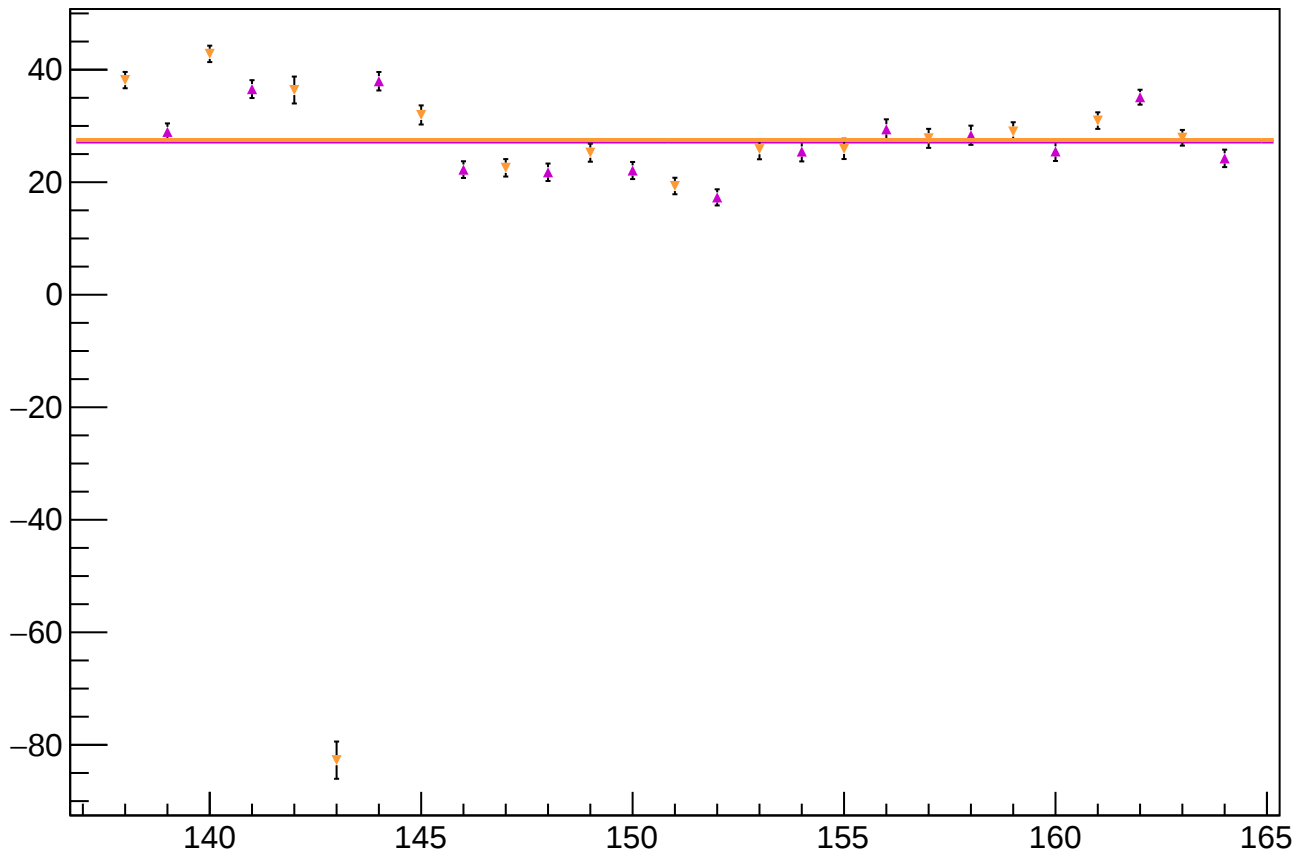
Right: 106.321 $\pm$ 0.052 χ^2 /NDF: 305233.1/35

In: 126.205 $\pm$ 0.044 χ^2 /NDF: 138656.5/29

Out: 115.626 $\pm$ 0.041 χ^2 /NDF: 406376.6/32

All: 120.549 $\pm$ 0.030 χ^2 /NDF: 576095.5/62

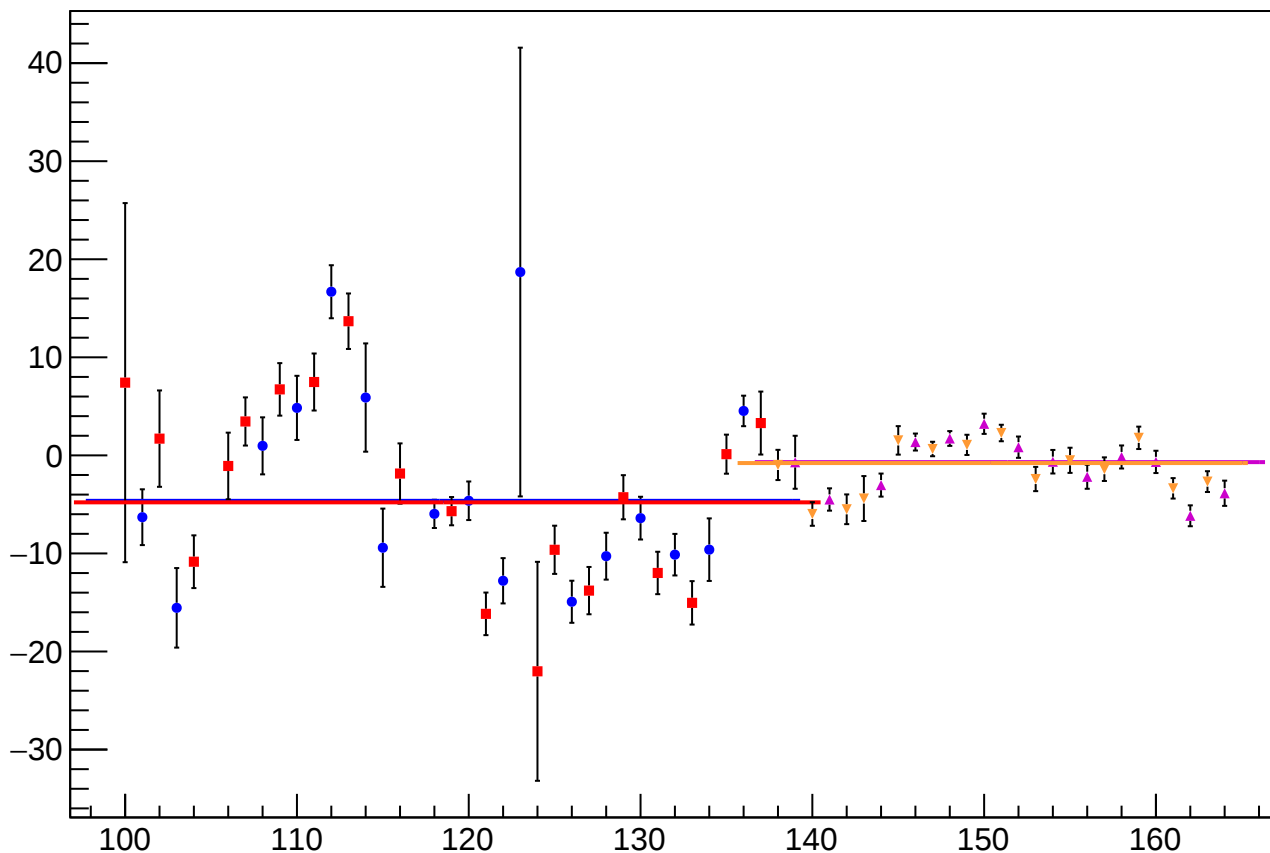
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 27.506 $\pm$ 0.441 χ^2 /NDF:1344.2/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 27.229 $\pm$ 0.434 χ^2 /NDF:204.3/12

Left: 27.365 $\pm$ 0.310 χ^2 /NDF: 1548.7/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 27.229 $\pm$ 0.434 χ^2 /NDF:204.3/12
 Out: 27.506 $\pm$ 0.441 χ^2 /NDF:1344.2/13
 All: 27.365 $\pm$ 0.310 χ^2 /NDF: 1548.7/26

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 $\chi^2/\text{NDF}: 174.4/16$

Left Out: -0.783 ± 0.302 $\chi^2/\text{NDF}: 70.0/13$

Right Out: -4.791 ± 0.585 $\chi^2/\text{NDF}: 192.5/18$

Left In: -0.689 ± 0.304 $\chi^2/\text{NDF}: 81.5/12$

Left: -0.736 ± 0.214 $\chi^2/\text{NDF}: 151.6/26$

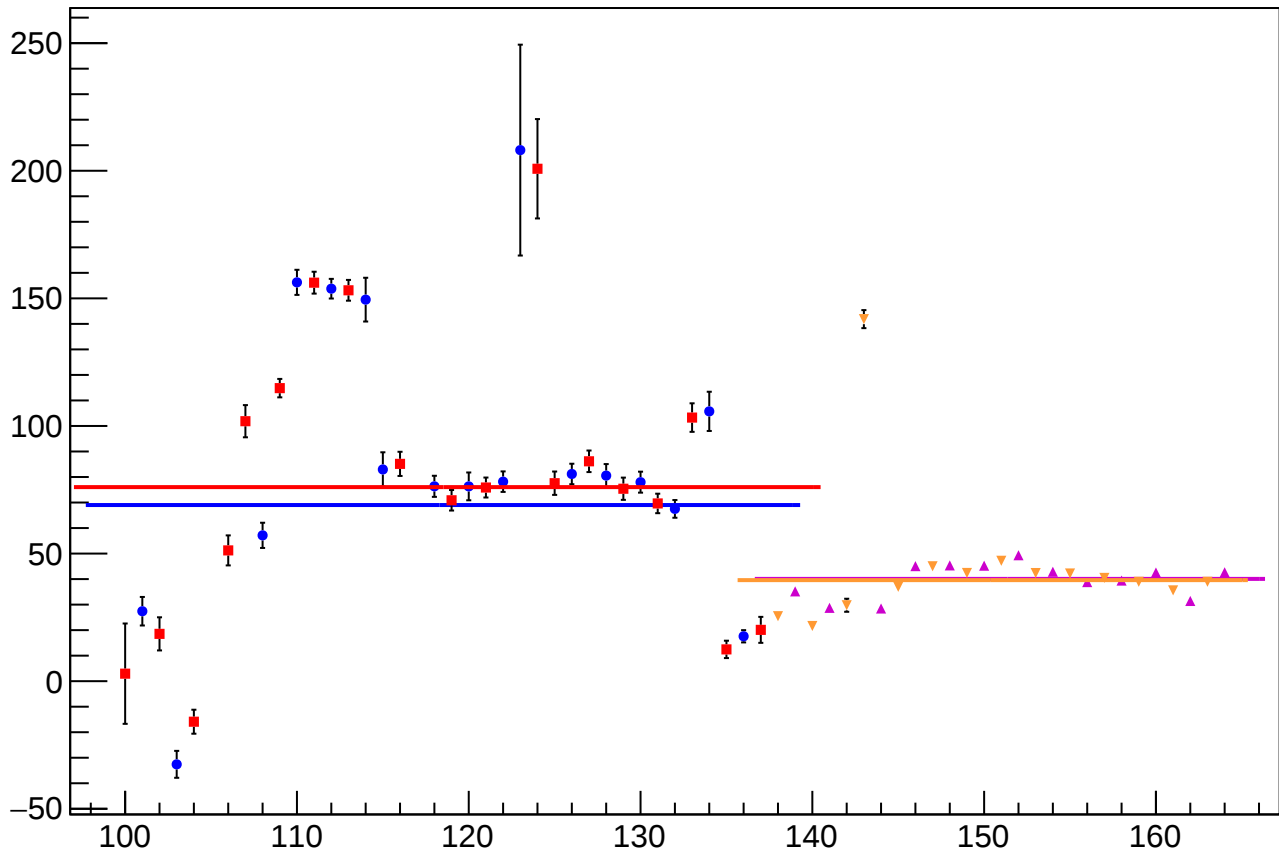
Right: -4.714 ± 0.414 $\chi^2/\text{NDF}: 367.0/35$

In: -1.520 ± 0.270 $\chi^2/\text{NDF}: 291.6/29$

Out: -1.629 ± 0.269 $\chi^2/\text{NDF}: 299.7/32$

All: -1.575 ± 0.190 $\chi^2/\text{NDF}: 591.3/62$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 39.593+/-0.430 χ^2/NDF : 1129.4/13

Right Out: 76.041+/-1.070 χ^2/NDF : 1881.9/18

Left In: 40.079+/-0.421 χ^2/NDF : 236.9/12

Left: 39.841+/-0.301 χ^2/NDF : 1367.0/26

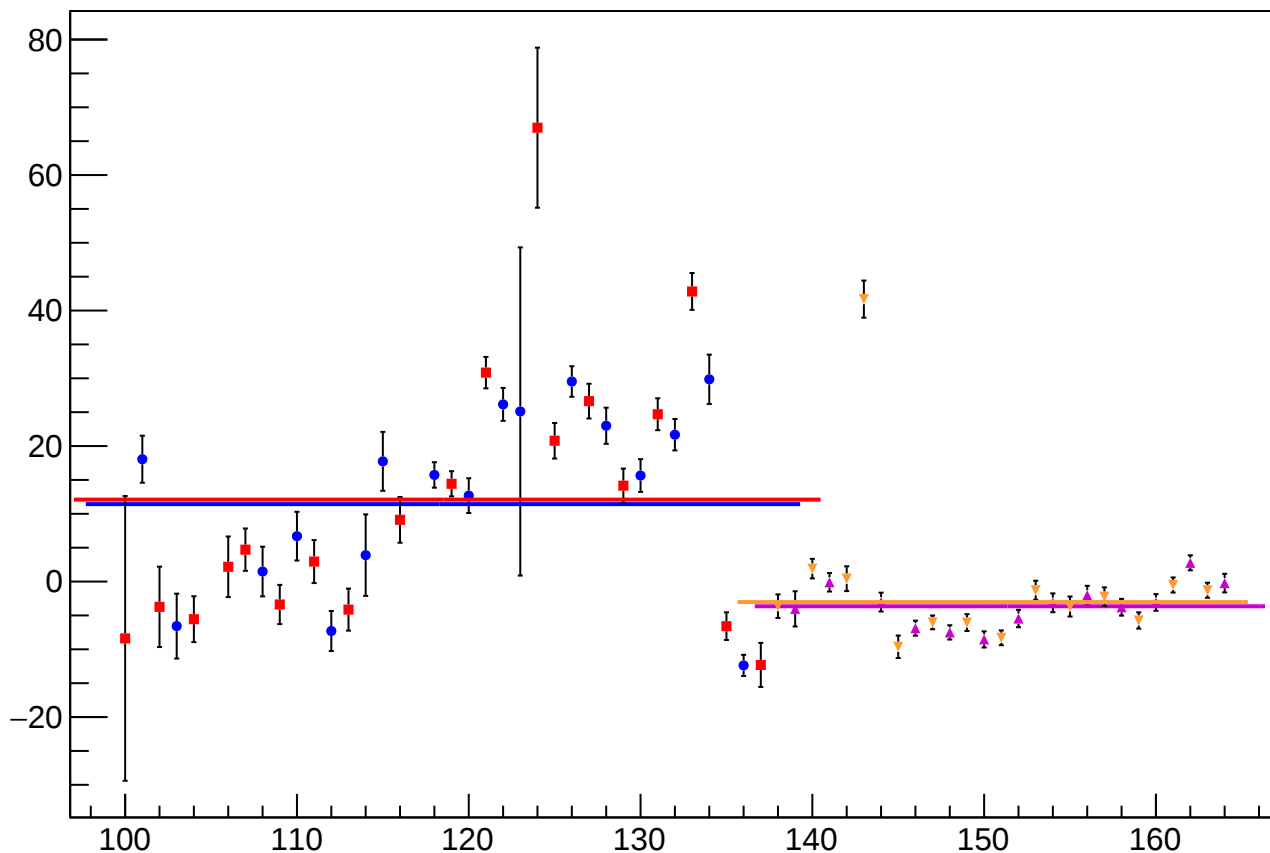
Right: 72.574+/-0.761 χ^2/NDF : 3751.2/35

In: 43.878+/-0.393 χ^2/NDF : 2704.8/29

Out: 44.670+/-0.399 χ^2/NDF : 4010.3/32

All: 44.268+/-0.280 χ^2/NDF : 6717.0/62

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 $\chi^2/\text{NDF}: 476.8/16$

Left Out: -3.024 ± 0.357 $\chi^2/\text{NDF}: 349.6/13$

Right Out: 12.095 ± 0.664 $\chi^2/\text{NDF}: 539.1/18$

Left In: -3.649 ± 0.356 $\chi^2/\text{NDF}: 89.0/12$

Left: -3.338 ± 0.252 $\chi^2/\text{NDF}: 440.2/26$

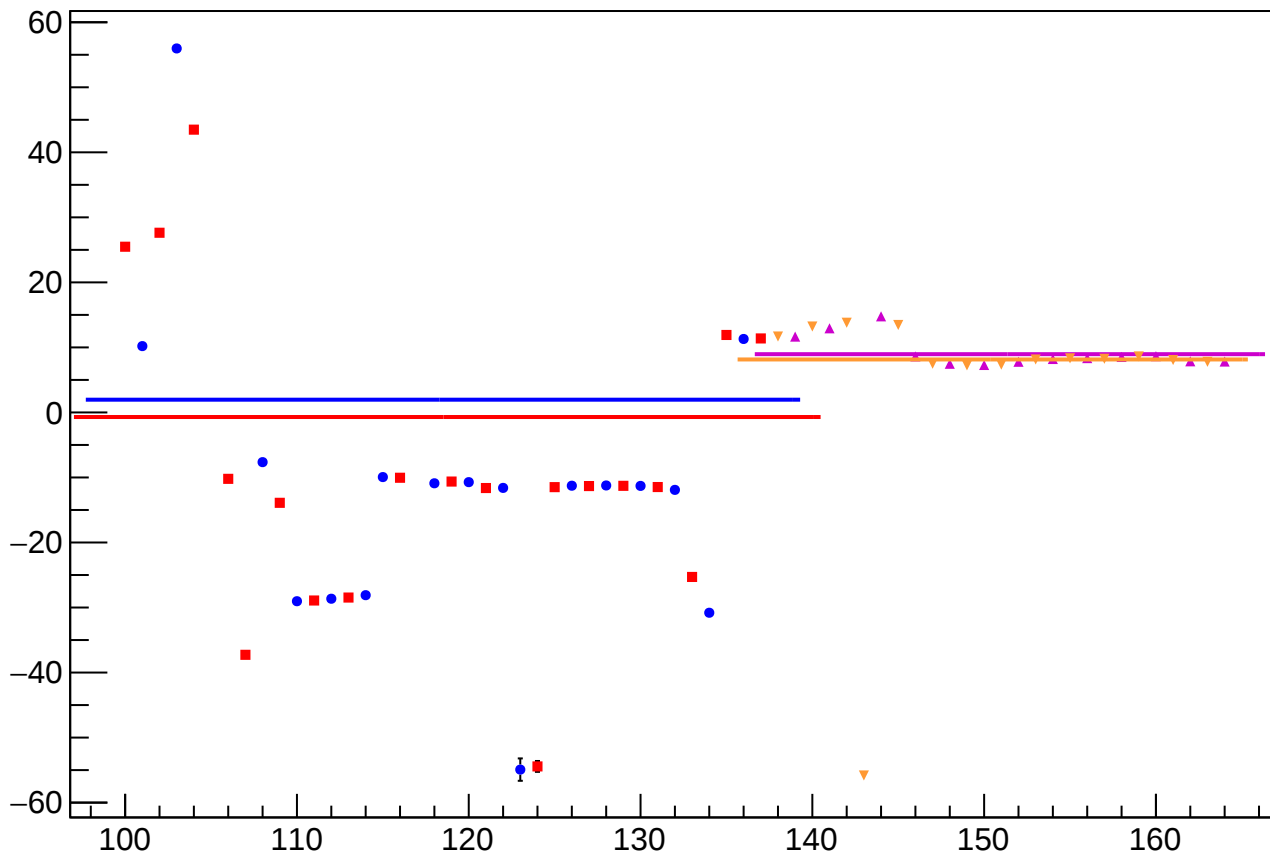
Right: 11.762 ± 0.470 $\chi^2/\text{NDF}: 1016.4/35$

In: -0.301 ± 0.314 $\chi^2/\text{NDF}: 965.1/29$

Out: 0.362 ± 0.314 $\chi^2/\text{NDF}: 1291.2/32$

All: 0.030 ± 0.222 $\chi^2/\text{NDF}: 2258.5/62$

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 $\pm$ 0.037 χ^2 /NDF: 358457.0/16

Left Out: 8.146 $\pm$ 0.017 χ^2 /NDF:222561.7/13

Right Out: -0.704 $\pm$ 0.037 χ^2 /NDF: 361168.6/18

Left In: 8.959 $\pm$ 0.016 χ^2 /NDF:14336.3/12

Left: 8.560 $\pm$ 0.012 χ^2 /NDF: 238090.9/26

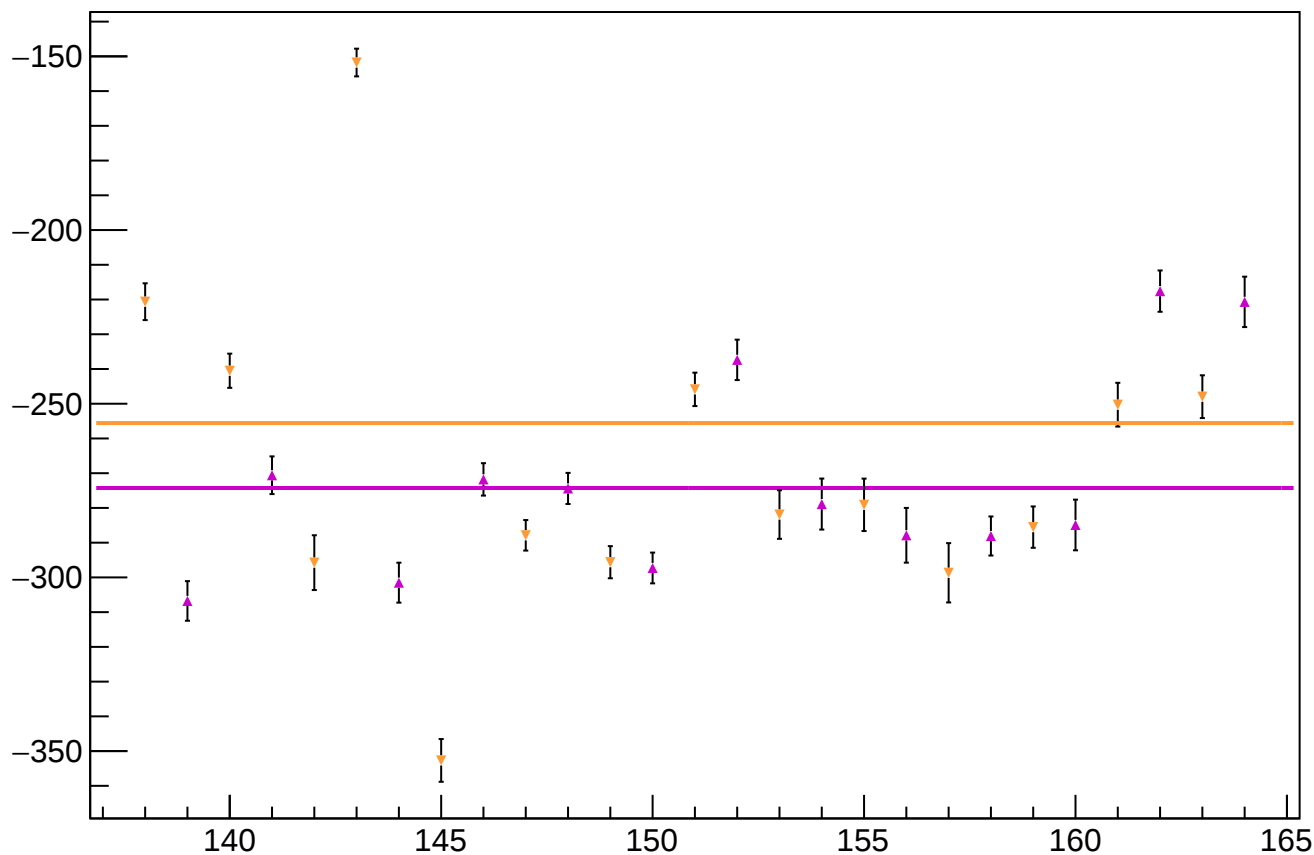
Right: 0.627 $\pm$ 0.026 χ^2 /NDF: 722198.2/35

In: 7.808 $\pm$ 0.015 χ^2 /NDF:402451.8/29

Out: 6.641 $\pm$ 0.015 χ^2 /NDF:630904.2/32

All: 7.234 $\pm$ 0.011 χ^2 /NDF: 1036305.7/62

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: -255.565+/-1.482 χ^2/NDF :1214.7/13

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

Left In: -274.255+/-1.574 χ^2/NDF :279.9/12

Left: -264.346+/-1.079 χ^2/NDF : 1569.4/26

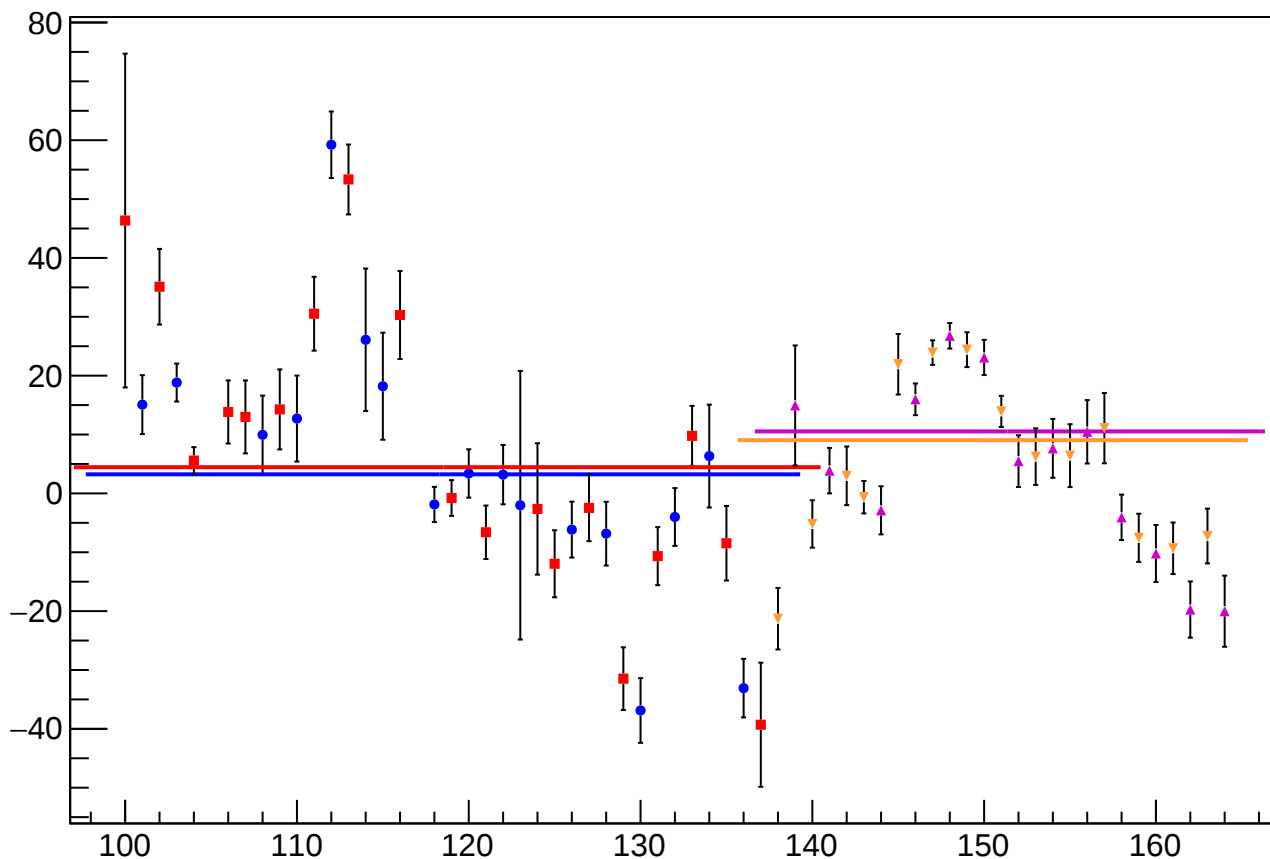
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -274.255+/-1.574 χ^2/NDF :279.9/12

Out: -255.565+/-1.482 χ^2/NDF :1214.7/13

All: -264.346+/-1.079 χ^2/NDF : 1569.4/26

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 9.046 ± 0.971 χ^2/NDF : 194.8/13

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

Left In: 10.528 ± 1.050 χ^2/NDF : 191.7/12

Left: 9.729 ± 0.713 χ^2/NDF : 387.6/26

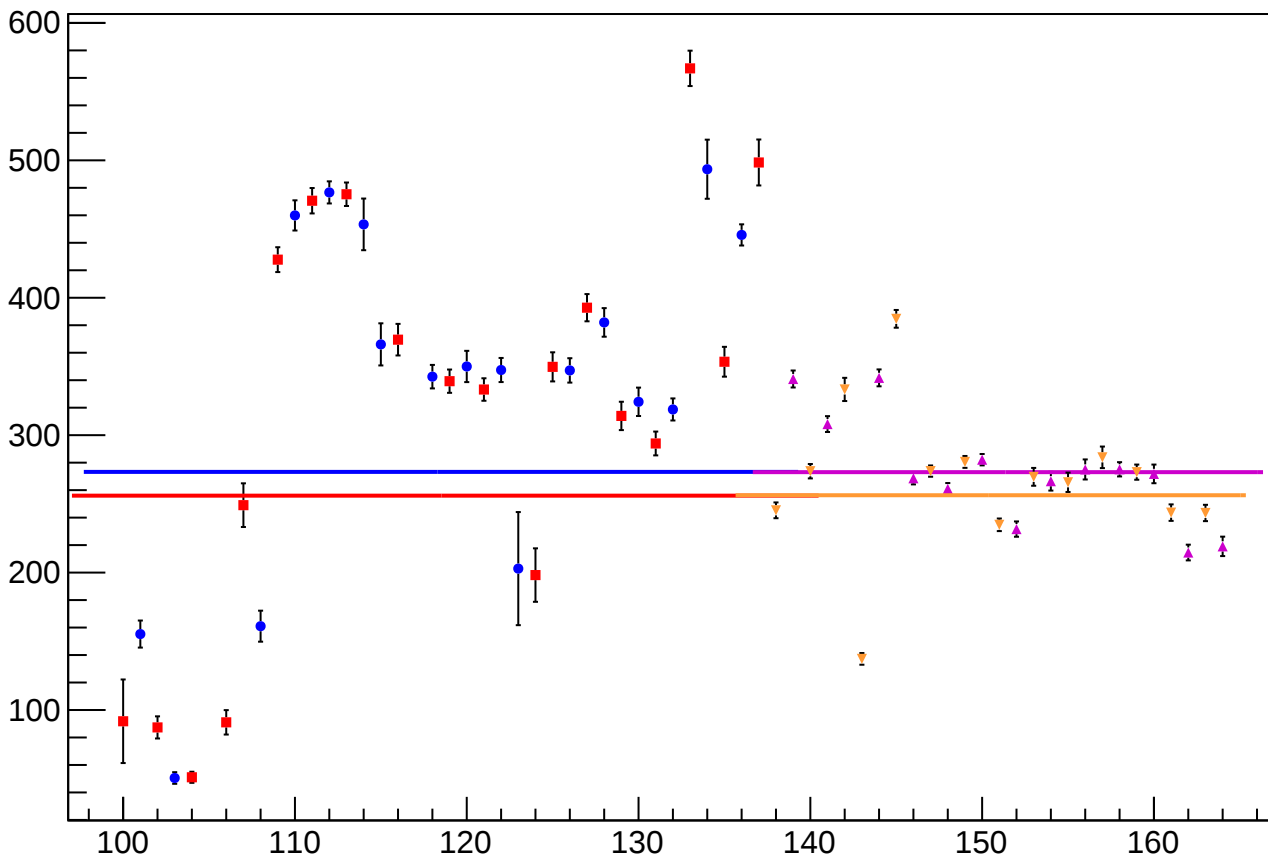
Right: 3.887 ± 0.847 χ^2/NDF : 481.6/35

In: 7.492 ± 0.803 χ^2/NDF : 467.1/29

Out: 7.147 ± 0.744 χ^2/NDF : 429.8/32

All: 7.306 ± 0.546 χ^2/NDF : 897.0/62

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 256.287 $\pm$ 1.459 χ^2 /NDF:1384.1/13

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

Left In: 273.088 $\pm$ 1.525 χ^2 /NDF:515.0/12

Left: 264.318 $\pm$ 1.054 χ^2 /NDF: 1962.4/26

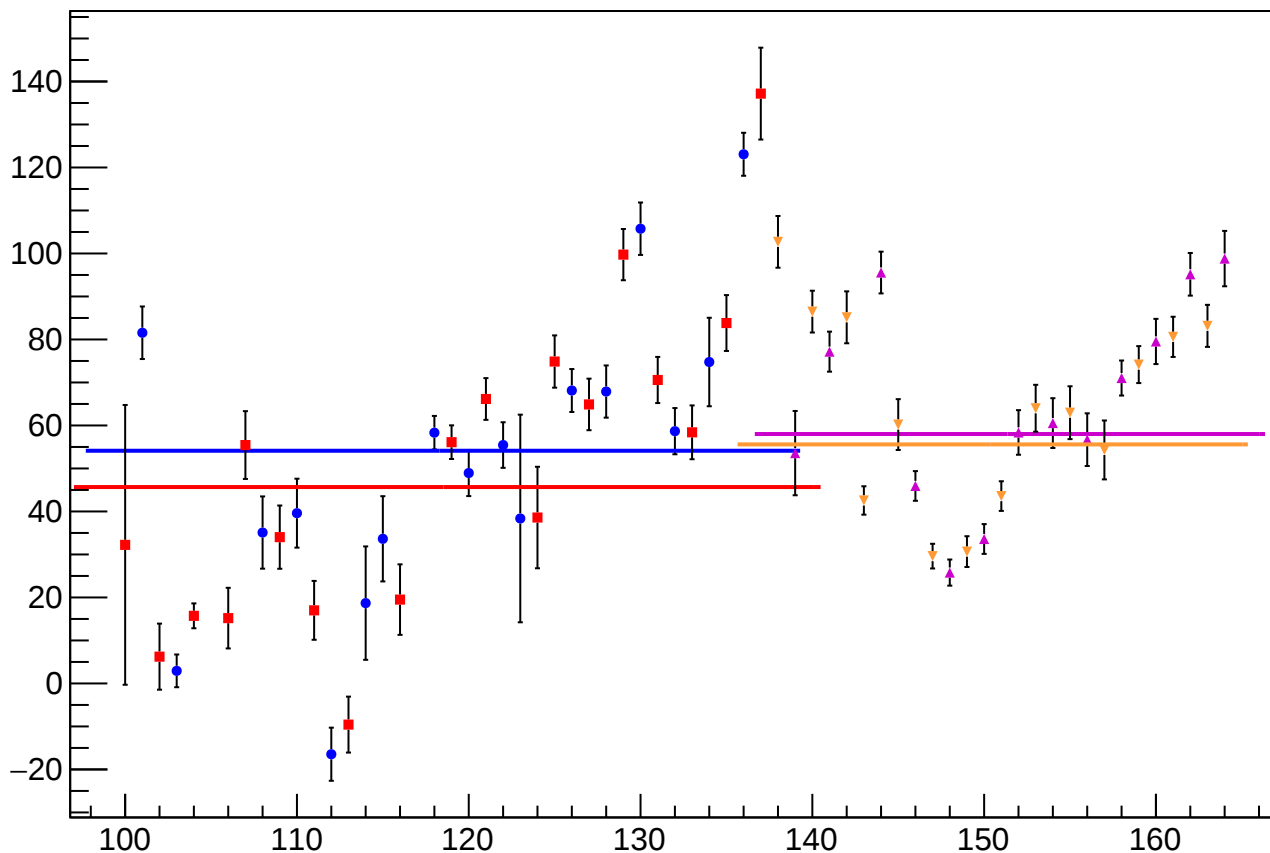
Right: 264.127 $\pm$ 1.513 χ^2 /NDF: 11572.5/35

In: 273.149 $\pm$ 1.254 χ^2 /NDF:5616.5/29

Out: 256.187 $\pm$ 1.195 χ^2 /NDF:7822.5/32

All: 264.255 $\pm$ 0.865 χ^2 /NDF: 13535.0/62

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: 55.592+/-1.175 χ^2/NDF : 367.3/13

Right Out: 45.675+/-1.357 χ^2/NDF : 531.0/18

Left In: 58.008+/-1.260 χ^2/NDF : 375.0/12

Left: 56.716+/-0.859 χ^2/NDF : 744.3/26

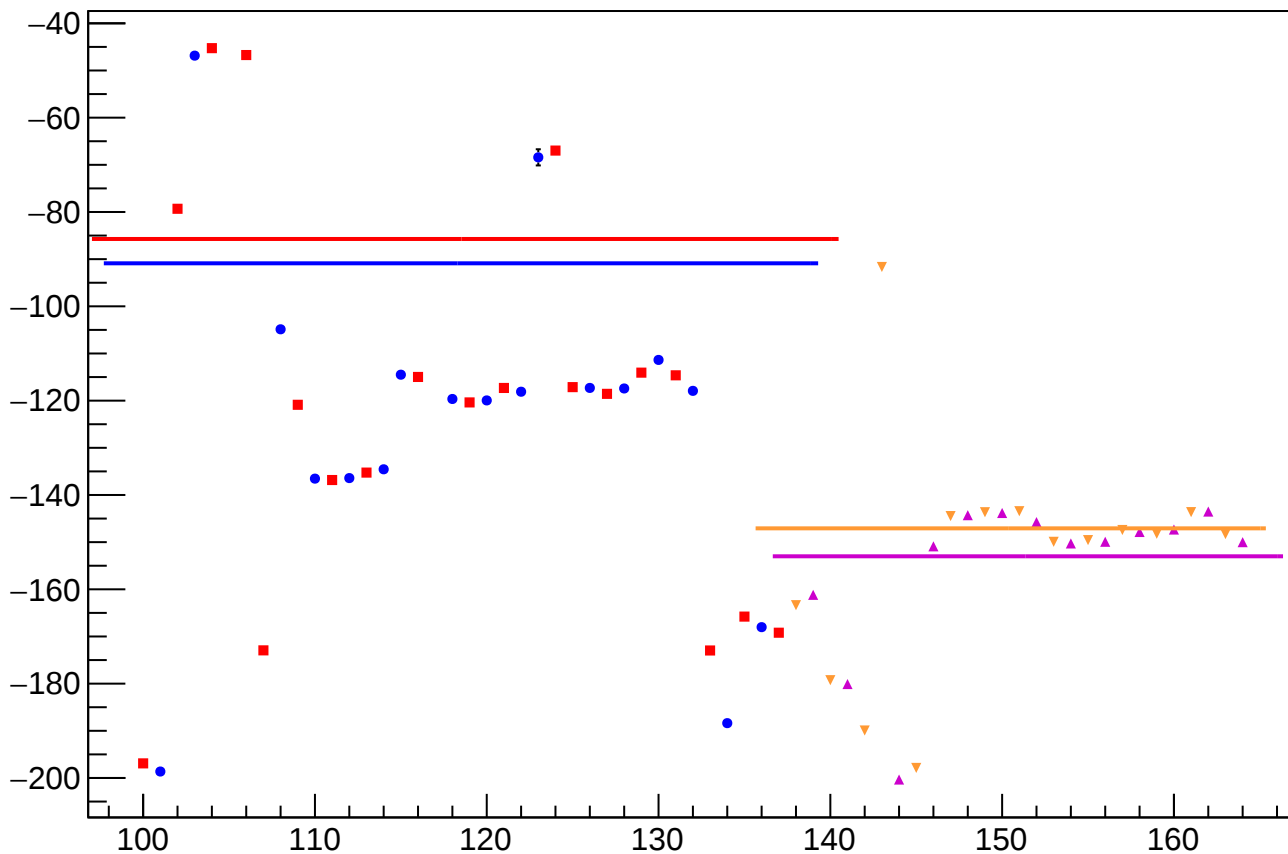
Right: 49.654+/-0.987 χ^2/NDF : 1183.2/35

In: 56.319+/-0.948 χ^2/NDF : 1013.0/29

Out: 51.343+/-0.888 χ^2/NDF : 928.9/32

All: 53.670+/-0.648 χ^2/NDF : 1956.6/62

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -147.074 ± 0.059 $\chi^2/\text{NDF}: 187072.7/13$

Right Out: -85.722 ± 0.065 $\chi^2/\text{NDF}: 494183.1/18$

Left In: -153.000 ± 0.061 $\chi^2/\text{NDF}: 55406.9/12$

Left: -149.933 ± 0.042 $\chi^2/\text{NDF}: 247395.7/26$

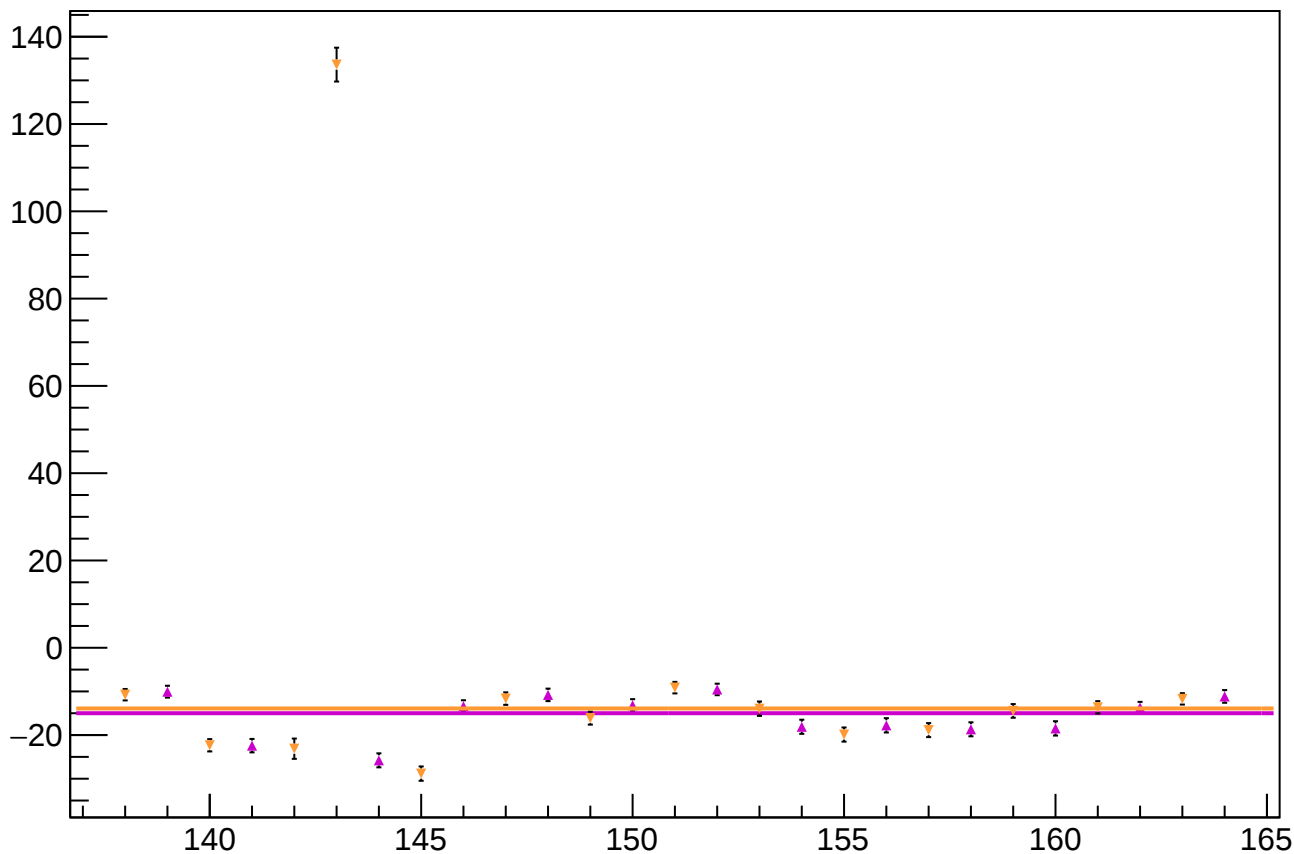
Right: -88.197 ± 0.047 $\chi^2/\text{NDF}: 1030623.7/35$

In: -125.290 ± 0.045 $\chi^2/\text{NDF}: 1054449.6/29$

Out: -119.548 ± 0.044 $\chi^2/\text{NDF}: 1171458.0/32$

All: -122.311 ± 0.031 $\chi^2/\text{NDF}: 2234261.4/62$

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: -13.906+/-0.414 χ^2/NDF :1627.8/13

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

Left In: -14.992+/-0.407 χ^2/NDF :134.5/12

Left: -14.458+/-0.290 χ^2/NDF : 1765.8/26

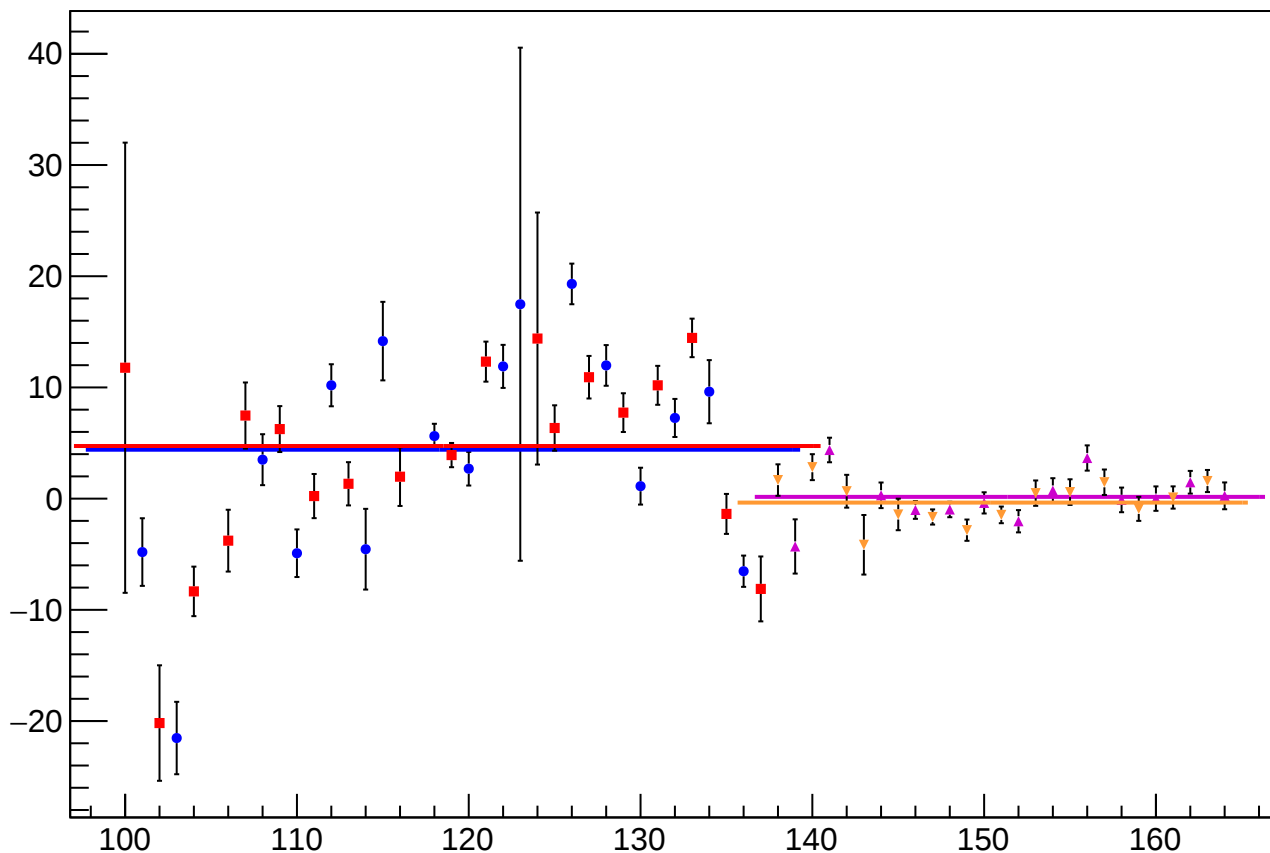
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.992+/-0.407 χ^2/NDF :134.5/12

Out: -13.906+/-0.414 χ^2/NDF :1627.8/13

All: -14.458+/-0.290 χ^2/NDF : 1765.8/26

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: -0.356 ± 0.283 χ^2/NDF : 33.1/13

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

Left In: 0.158 ± 0.285 χ^2/NDF : 39.3/12

Left: -0.100 ± 0.201 χ^2/NDF : 74.1/26

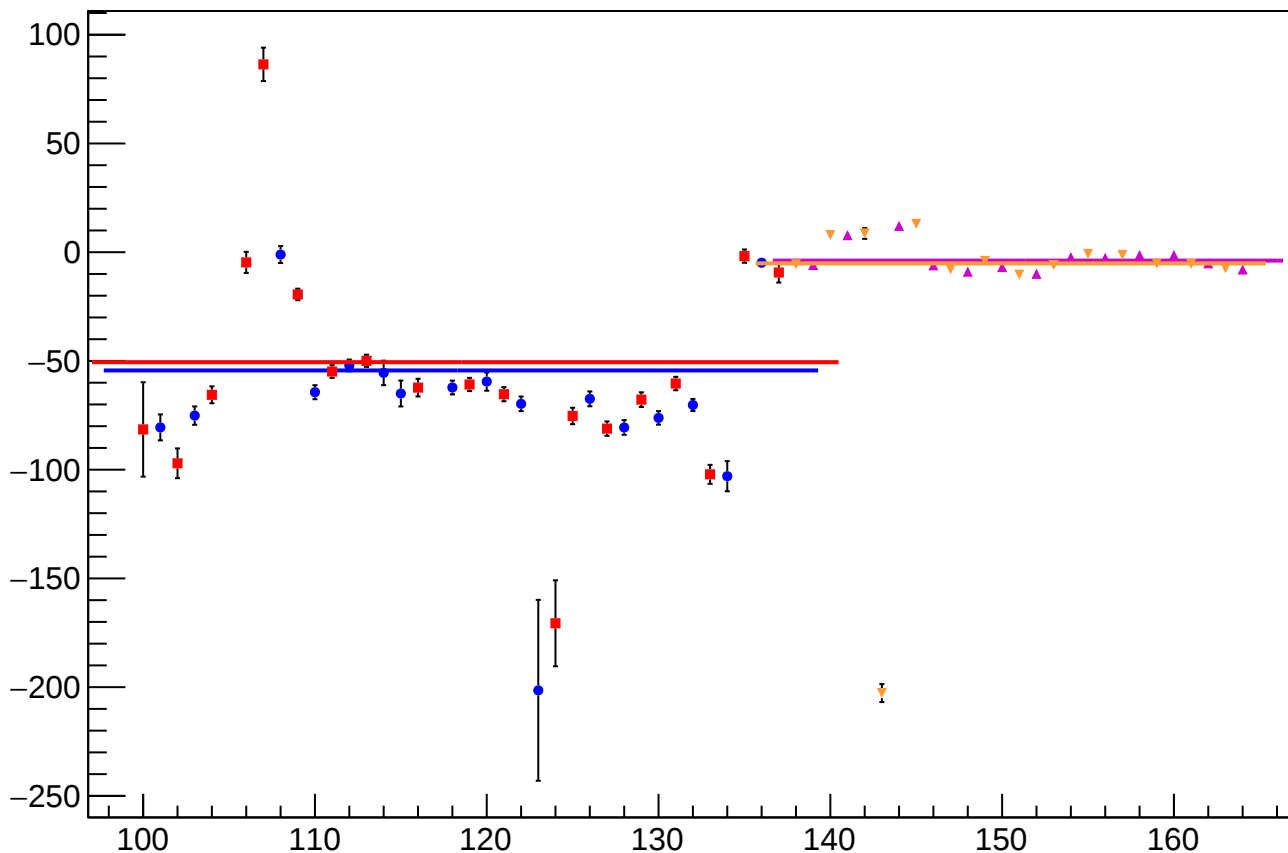
Right: 4.565 ± 0.334 χ^2/NDF : 470.0/35

In: 1.292 ± 0.244 χ^2/NDF : 385.5/29

Out: 0.983 ± 0.243 χ^2/NDF : 301.3/32

All: 1.137 ± 0.172 χ^2/NDF : 687.6/62

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 $\chi^2/\text{NDF}: 1013.5/16$

Left Out: -5.137 ± 0.403 $\chi^2/\text{NDF}: 2533.5/13$

Right Out: -50.554 ± 0.858 $\chi^2/\text{NDF}: 1321.3/18$

Left In: -3.863 ± 0.394 $\chi^2/\text{NDF}: 201.3/12$

Left: -4.487 ± 0.282 $\chi^2/\text{NDF}: 2739.9/26$

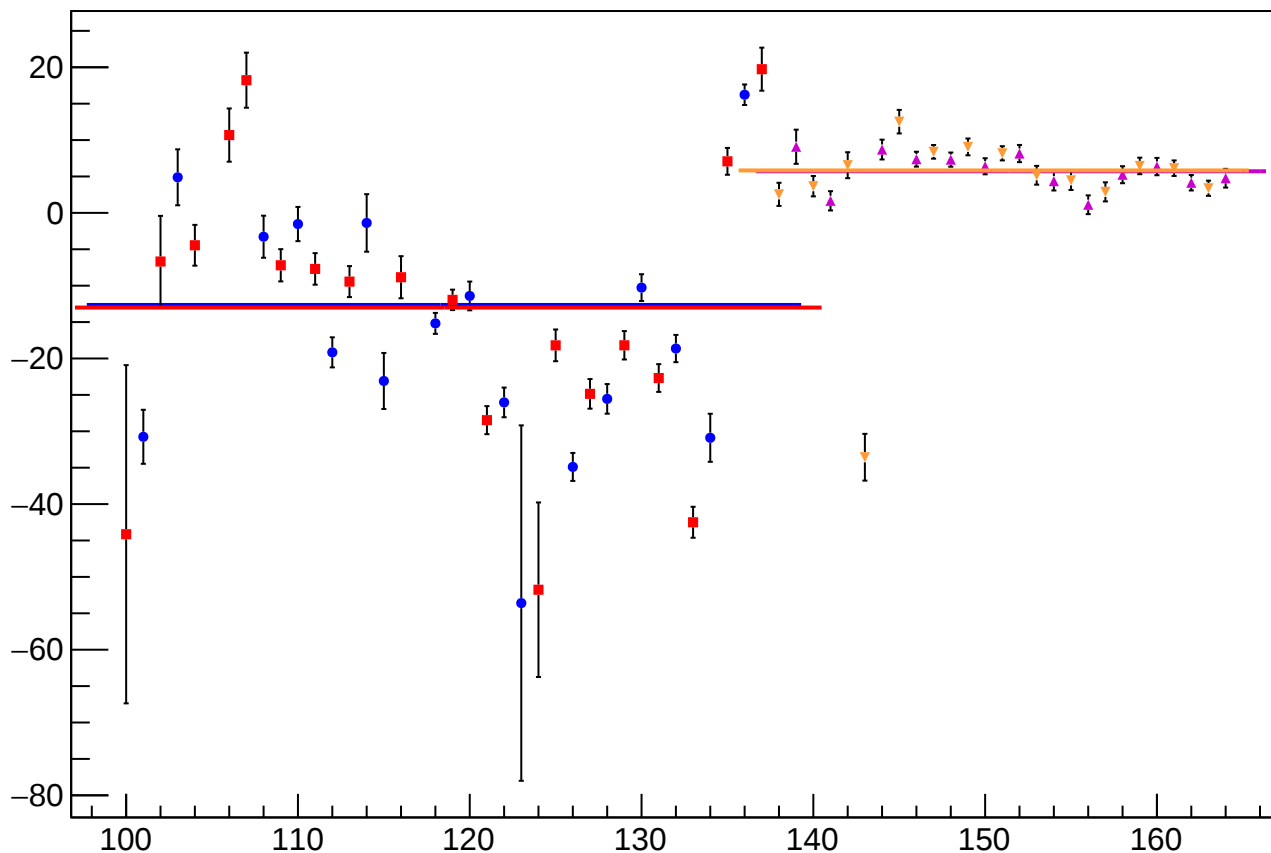
Right: -52.436 ± 0.610 $\chi^2/\text{NDF}: 2344.5/35$

In: -12.501 ± 0.359 $\chi^2/\text{NDF}: 4019.4/29$

Out: -13.351 ± 0.365 $\chi^2/\text{NDF}: 6152.6/32$

All: -12.919 ± 0.256 $\chi^2/\text{NDF}: 10174.7/62$

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: 5.828 ± 0.334 χ^2/NDF : 207.8/13

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

Left In: 5.717 ± 0.334 χ^2/NDF : 43.3/12

Left: 5.772 ± 0.236 χ^2/NDF : 251.1/26

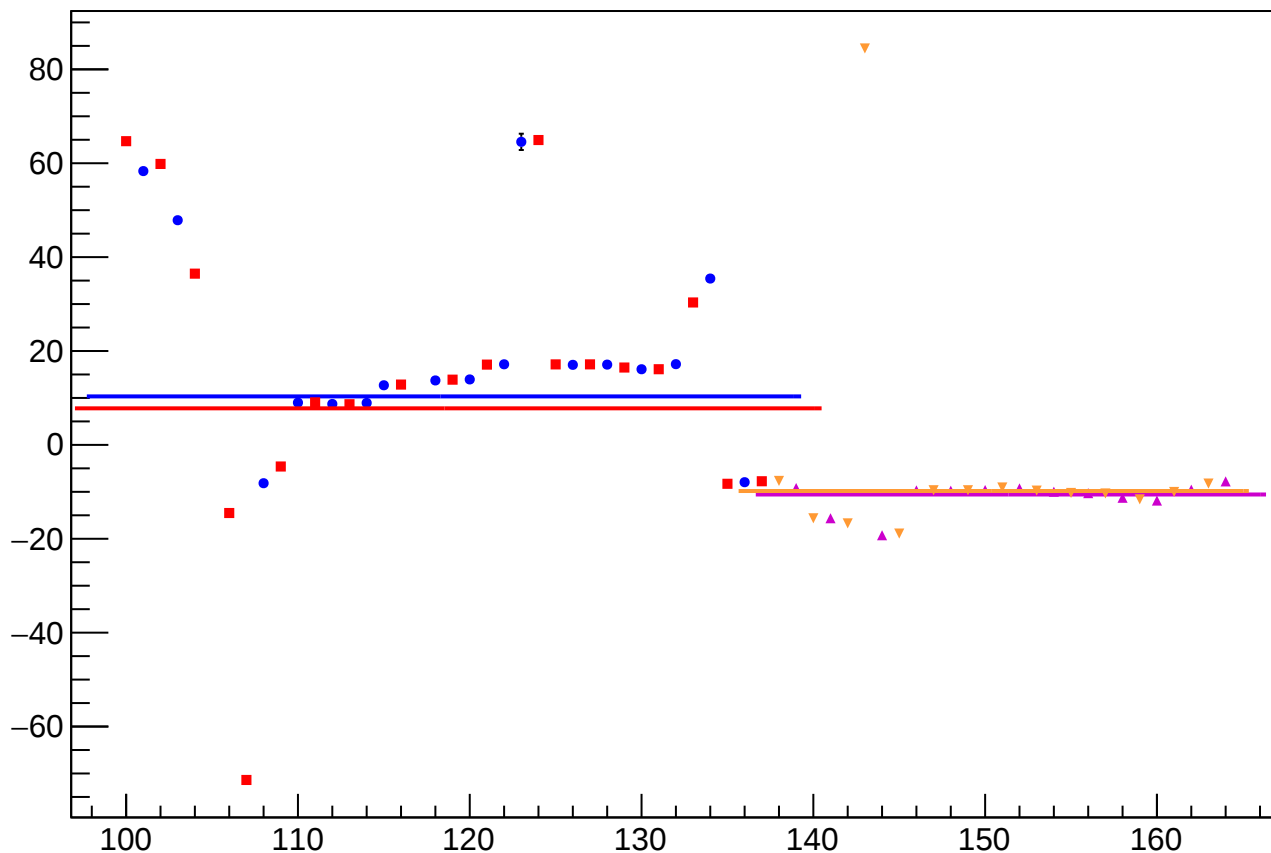
Right: -12.826 ± 0.380 χ^2/NDF : 1510.1/35

In: 0.590 ± 0.283 χ^2/NDF : 1677.0/29

Out: 0.580 ± 0.284 χ^2/NDF : 1814.7/32

All: 0.585 ± 0.201 χ^2/NDF : 3491.7/62

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 ± 0.031 $\chi^2/\text{NDF}: 380857.1/16$

Left Out: -9.827 ± 0.016 $\chi^2/\text{NDF}: 356891.9/13$

Right Out: 7.786 ± 0.031 $\chi^2/\text{NDF}: 544119.7/18$

Left In: -10.568 ± 0.015 $\chi^2/\text{NDF}: 24786.5/12$

Left: -10.204 ± 0.011 $\chi^2/\text{NDF}: 382810.0/26$

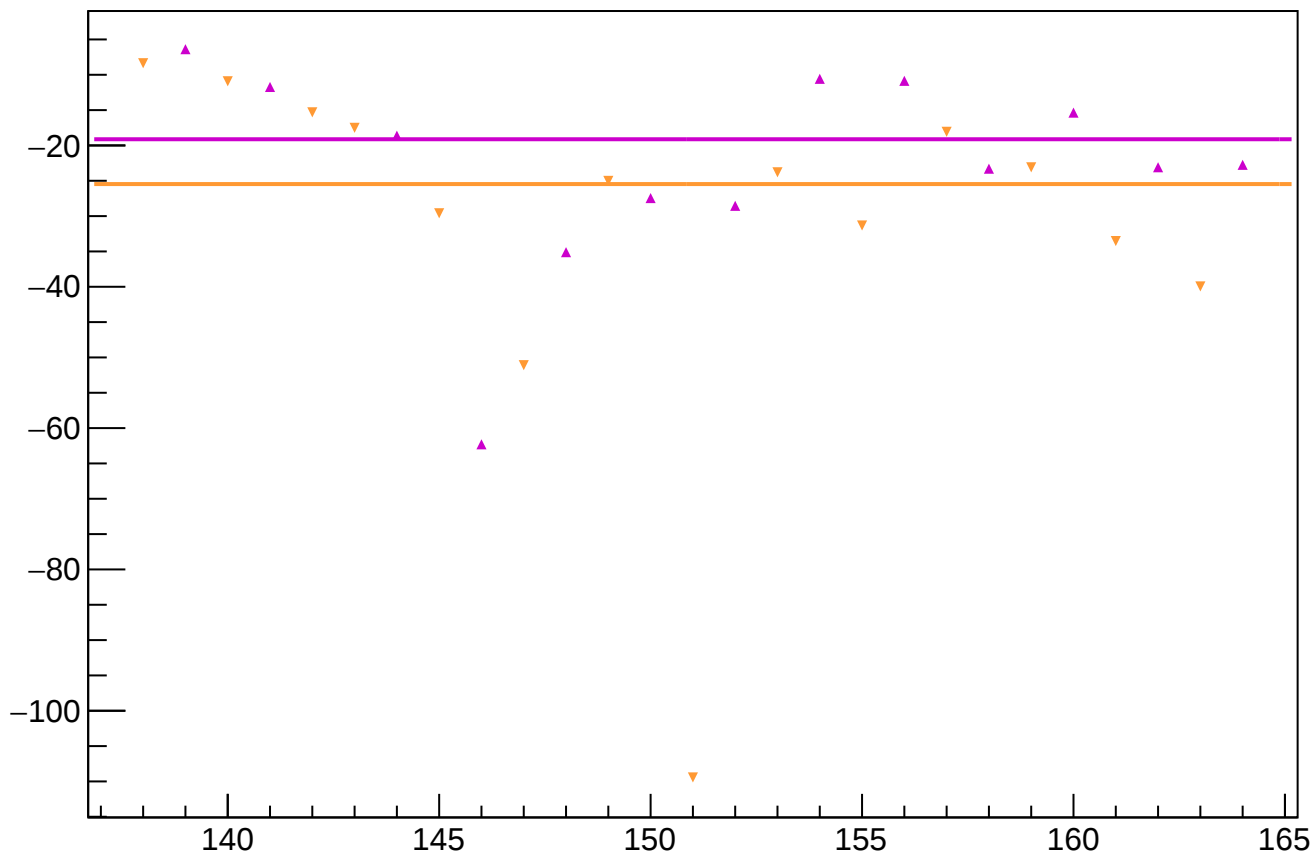
Right: 9.084 ± 0.022 $\chi^2/\text{NDF}: 928345.1/35$

In: -6.351 ± 0.014 $\chi^2/\text{NDF}: 776078.2/29$

Out: -6.278 ± 0.014 $\chi^2/\text{NDF}: 1153788.8/32$

All: -6.315 ± 0.010 $\chi^2/\text{NDF}: 1929880.5/62$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.466+/-0.069 χ^2/NDF :56399.6/13

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

Left In: -19.123+/-0.058 χ^2/NDF :37037.0/12

Left: -21.738+/-0.044 χ^2/NDF : 98413.3/26

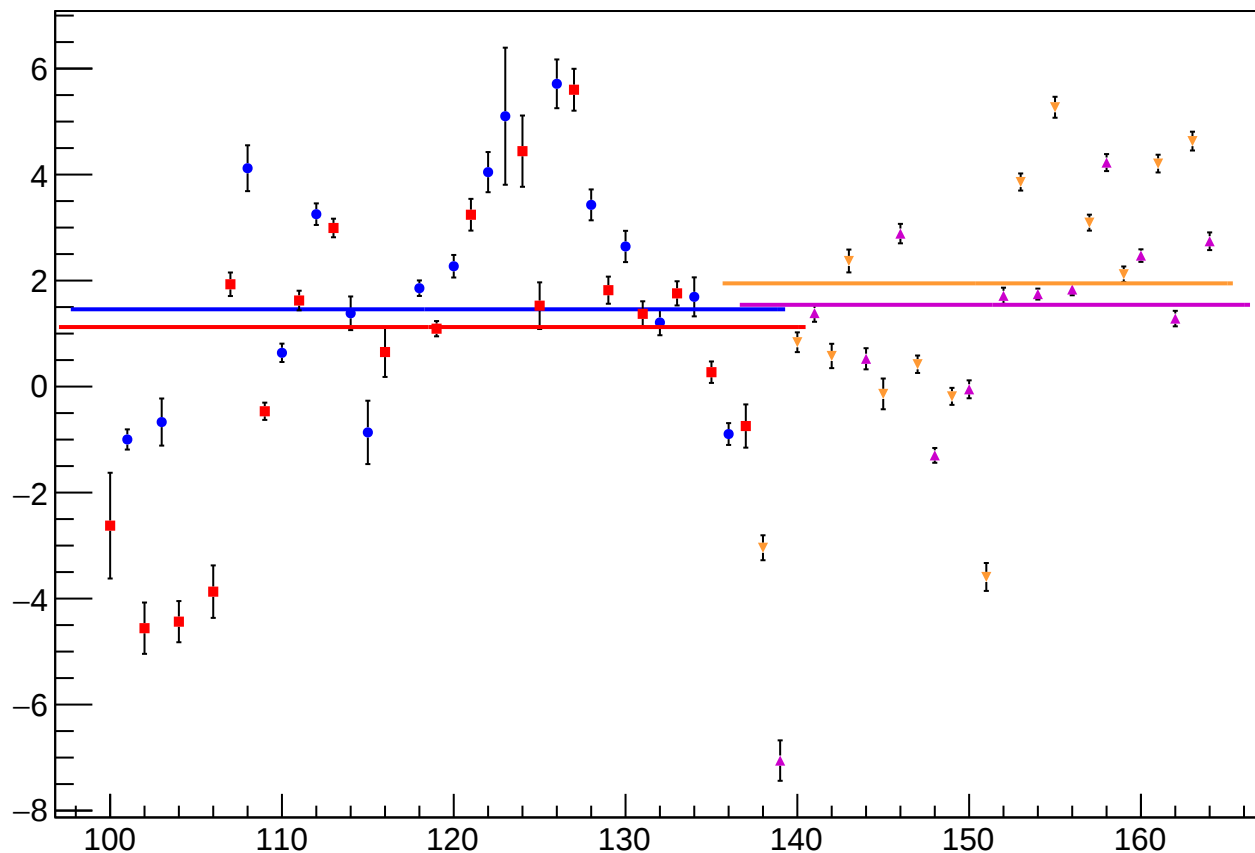
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.123+/-0.058 χ^2/NDF :37037.0/12

Out: -25.466+/-0.069 χ^2/NDF :56399.6/13

All: -21.738+/-0.044 χ^2/NDF : 98413.3/26

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: 1.947 ± 0.049 χ^2/NDF : 2173.5/13

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

Left In: 1.543 ± 0.041 χ^2/NDF : 1499.5/12

Left: 1.708 ± 0.031 χ^2/NDF : 3712.9/26

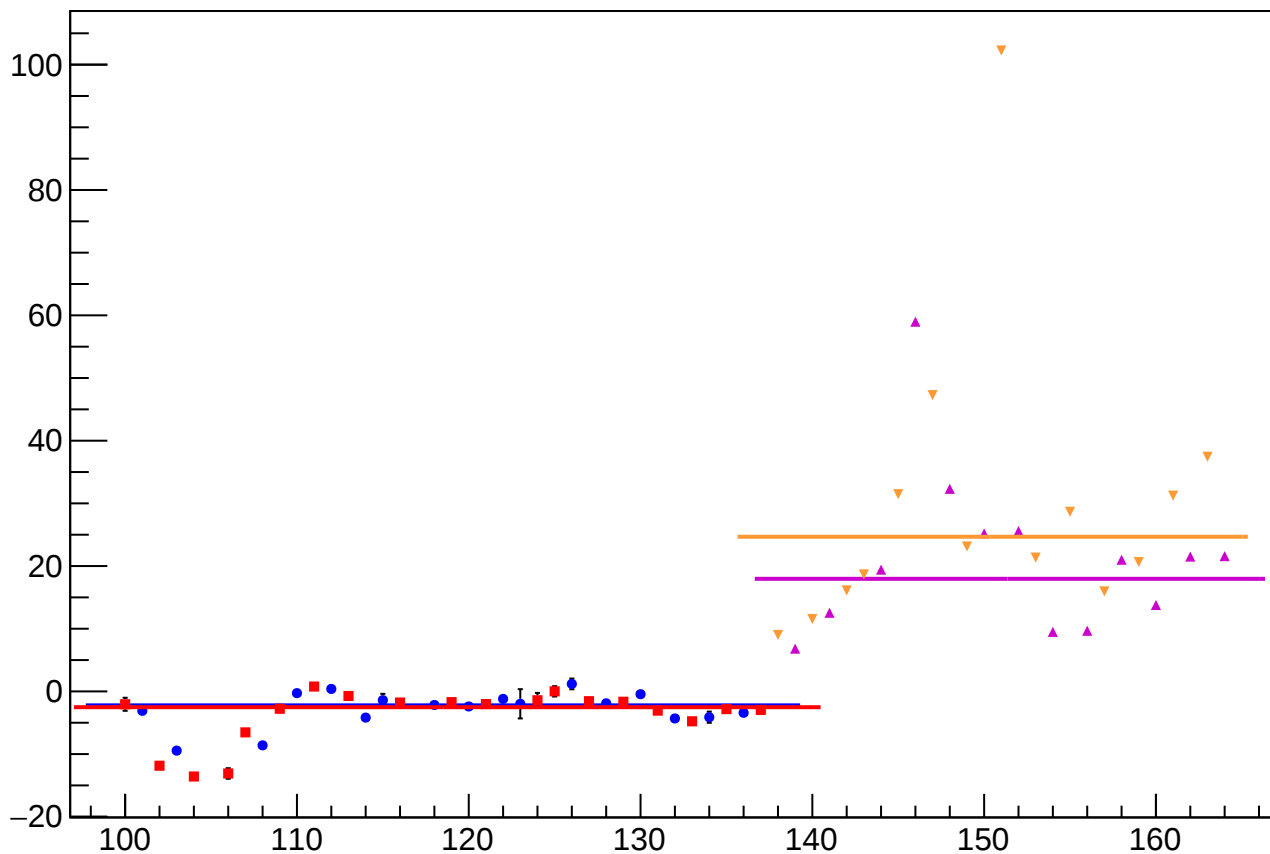
Right: 1.280 ± 0.042 χ^2/NDF : 1661.2/35

In: 1.517 ± 0.034 χ^2/NDF : 2199.0/29

Out: 1.602 ± 0.038 χ^2/NDF : 3237.9/32

All: 1.556 ± 0.025 χ^2/NDF : 5439.7/62

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 24.675 ± 0.067 χ^2/NDF : 50474.9/13

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

Left In: 17.962 ± 0.055 χ^2/NDF : 35118.3/12

Left: 20.673 ± 0.043 χ^2/NDF : 91525.0/26

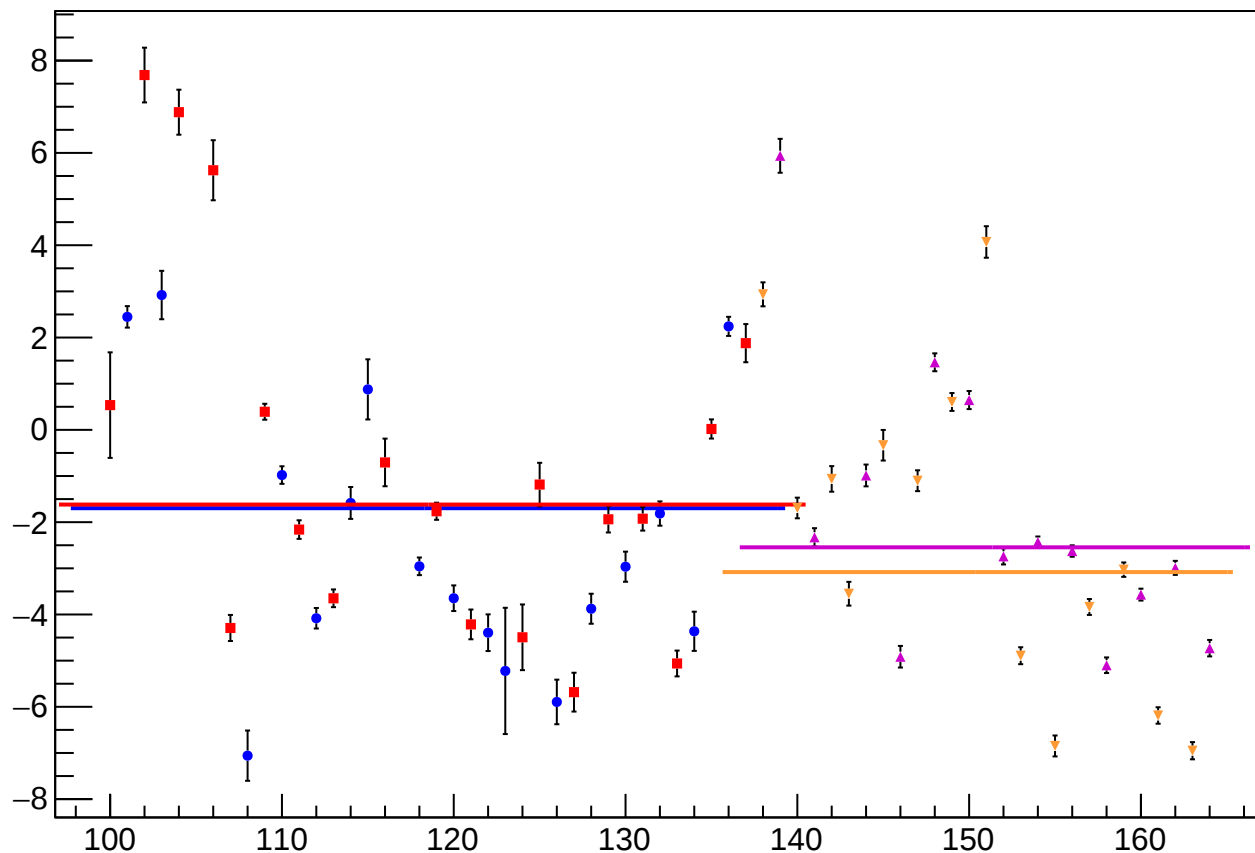
Right: -2.391 ± 0.074 χ^2/NDF : 1368.3/35

In: 13.954 ± 0.050 χ^2/NDF : 61968.8/29

Out: 16.076 ± 0.056 χ^2/NDF : 103002.4/32

All: 14.893 ± 0.037 χ^2/NDF : 165782.2/62

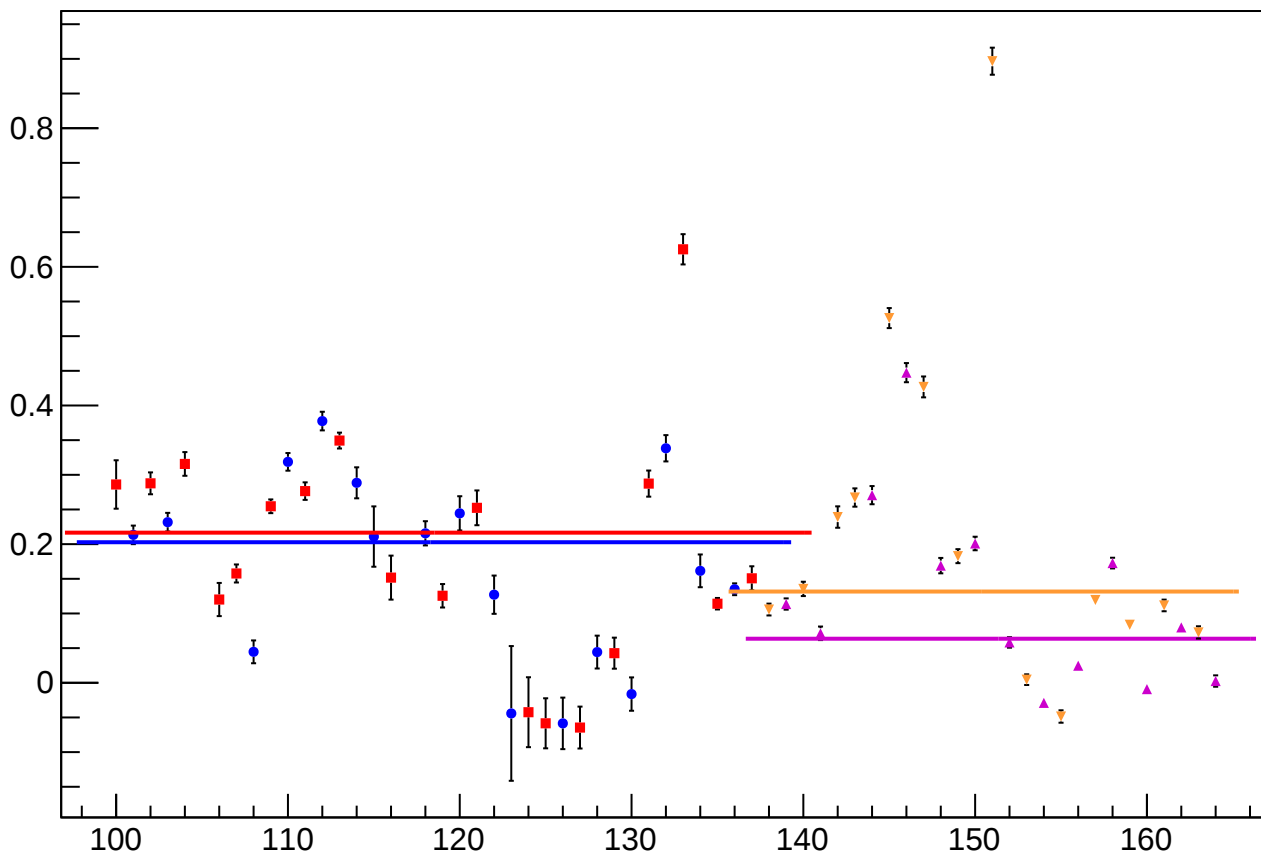
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 $\chi^2/\text{NDF}: 1319.4/16$
 Left Out: -3.081 ± 0.057 $\chi^2/\text{NDF}: 2706.3/13$
 Right Out: -1.618 ± 0.066 $\chi^2/\text{NDF}: 1489.2/18$
 Left In: -2.545 ± 0.047 $\chi^2/\text{NDF}: 1827.7/12$

Left: -2.761 ± 0.036 $\chi^2/\text{NDF}: 4587.4/26$
 Right: -1.655 ± 0.048 $\chi^2/\text{NDF}: 2809.3/35$
 In: -2.290 ± 0.039 $\chi^2/\text{NDF}: 3246.5/29$
 Out: -2.456 ± 0.043 $\chi^2/\text{NDF}: 4479.7/32$
 All: -2.365 ± 0.029 $\chi^2/\text{NDF}: 7734.4/62$

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: 0.132 ± 0.003 χ^2/NDF : 3626.9/13

Right Out: 0.217 ± 0.004 χ^2/NDF : 1064.4/18

Left In: 0.064 ± 0.002 χ^2/NDF : 2173.6/12

Left: 0.090 ± 0.002 χ^2/NDF : 6232.1/26

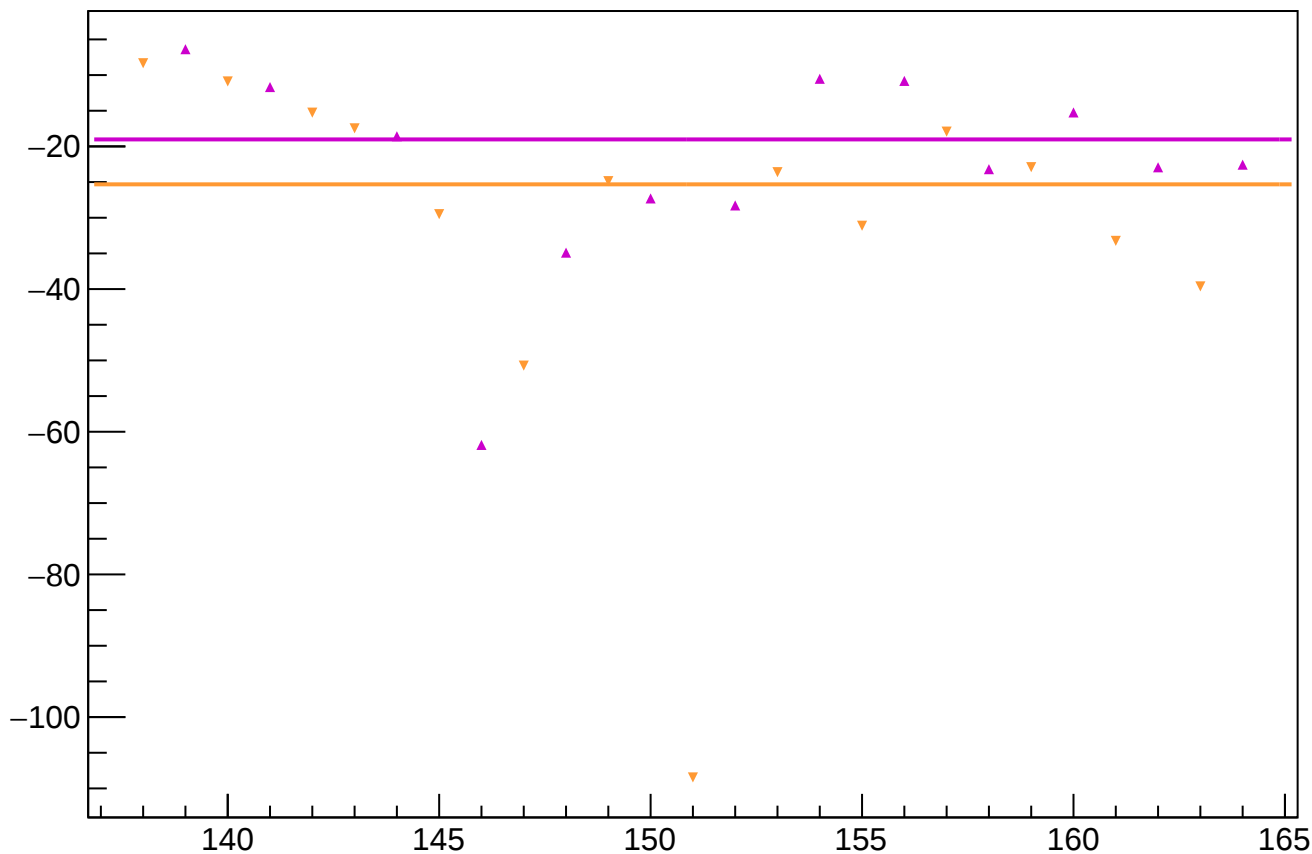
Right: 0.210 ± 0.003 χ^2/NDF : 1747.1/35

In: 0.091 ± 0.002 χ^2/NDF : 3753.5/29

Out: 0.159 ± 0.002 χ^2/NDF : 5048.4/32

All: 0.120 ± 0.001 χ^2/NDF : 9398.3/62

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.317+/-0.068 χ^2/NDF : 56206.3/13

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

Left In: -19.020+/-0.057 χ^2/NDF : 36946.8/12

Left: -21.617+/-0.044 χ^2/NDF : 98118.8/26

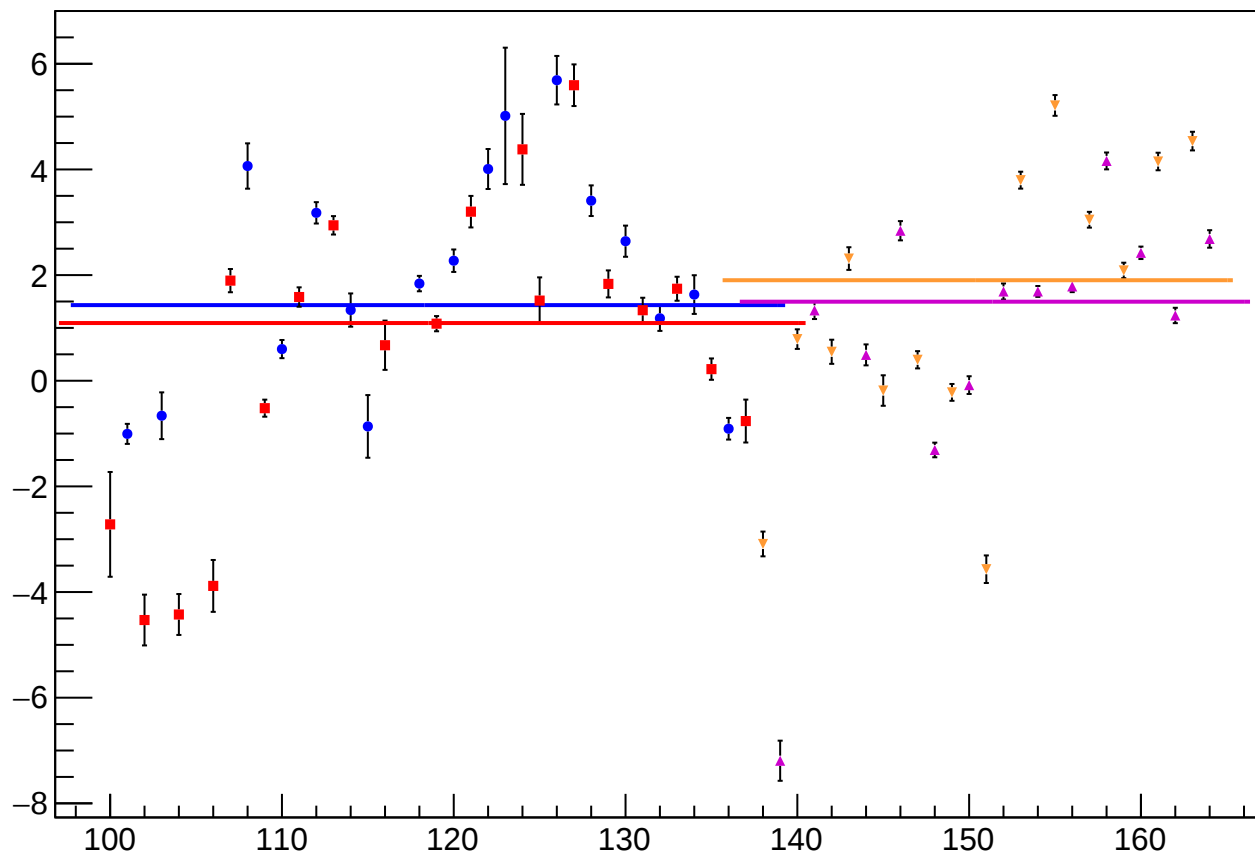
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.020+/-0.057 χ^2/NDF : 36946.8/12

Out: -25.317+/-0.068 χ^2/NDF : 56206.3/13

All: -21.617+/-0.044 χ^2/NDF : 98118.8/26

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 $\pm$ 0.062 χ^2 /NDF: 696.6/16

Left Out: 1.903 $\pm$ 0.049 χ^2 /NDF:2173.0/13

Right Out: 1.092 $\pm$ 0.058 χ^2 /NDF: 953.2/18

Left In: 1.496 $\pm$ 0.041 χ^2 /NDF:1509.8/12

Left: 1.662 $\pm$ 0.031 χ^2 /NDF: 3723.6/26

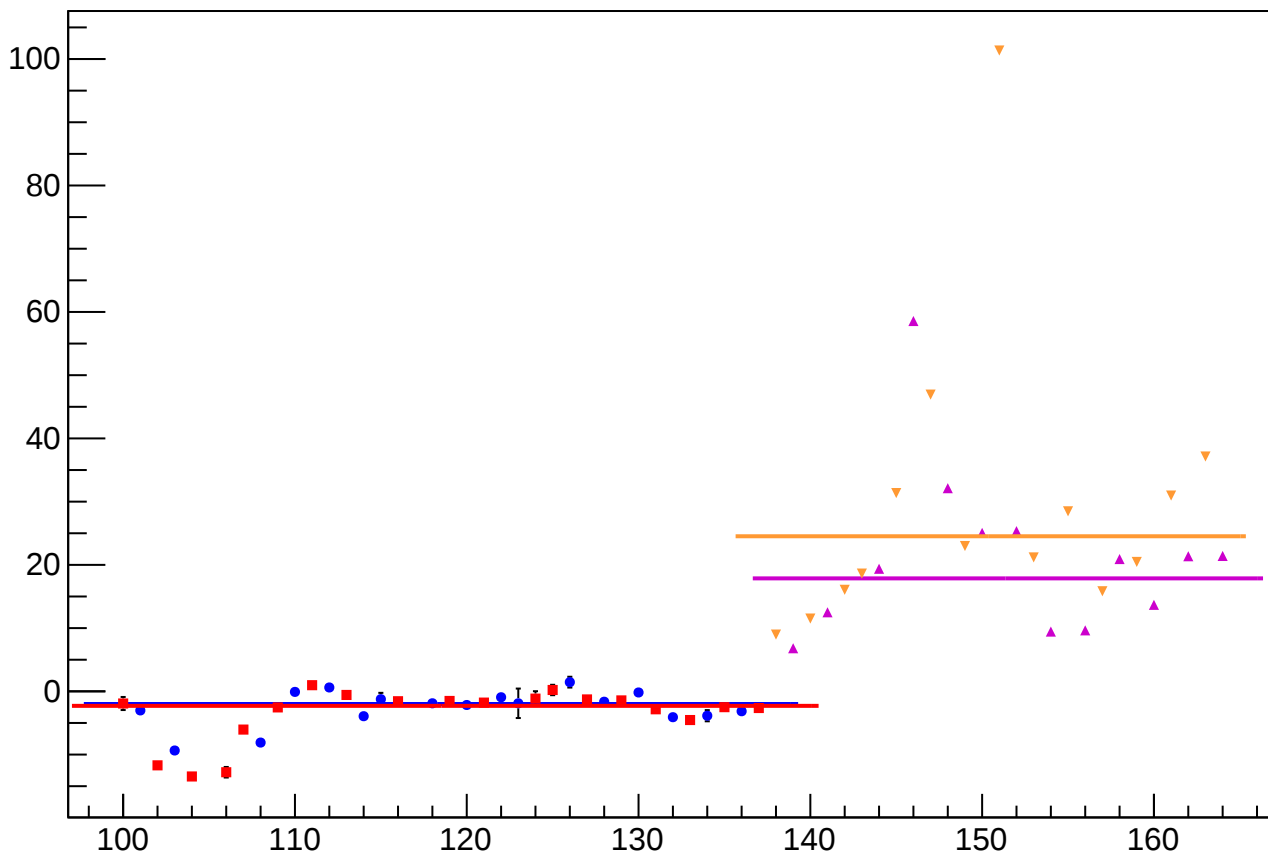
Right: 1.251 $\pm$ 0.042 χ^2 /NDF: 1665.8/35

In: 1.477 $\pm$ 0.034 χ^2 /NDF:2207.2/29

Out: 1.564 $\pm$ 0.037 χ^2 /NDF:3240.5/32

All: 1.516 $\pm$ 0.025 χ^2 /NDF: 5450.6/62

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: 24.525 ± 0.067 χ^2/NDF : 50329.9/13

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

Left In: 17.864 ± 0.055 χ^2/NDF : 35045.4/12

Left: 20.554 ± 0.043 χ^2/NDF : 91287.8/26

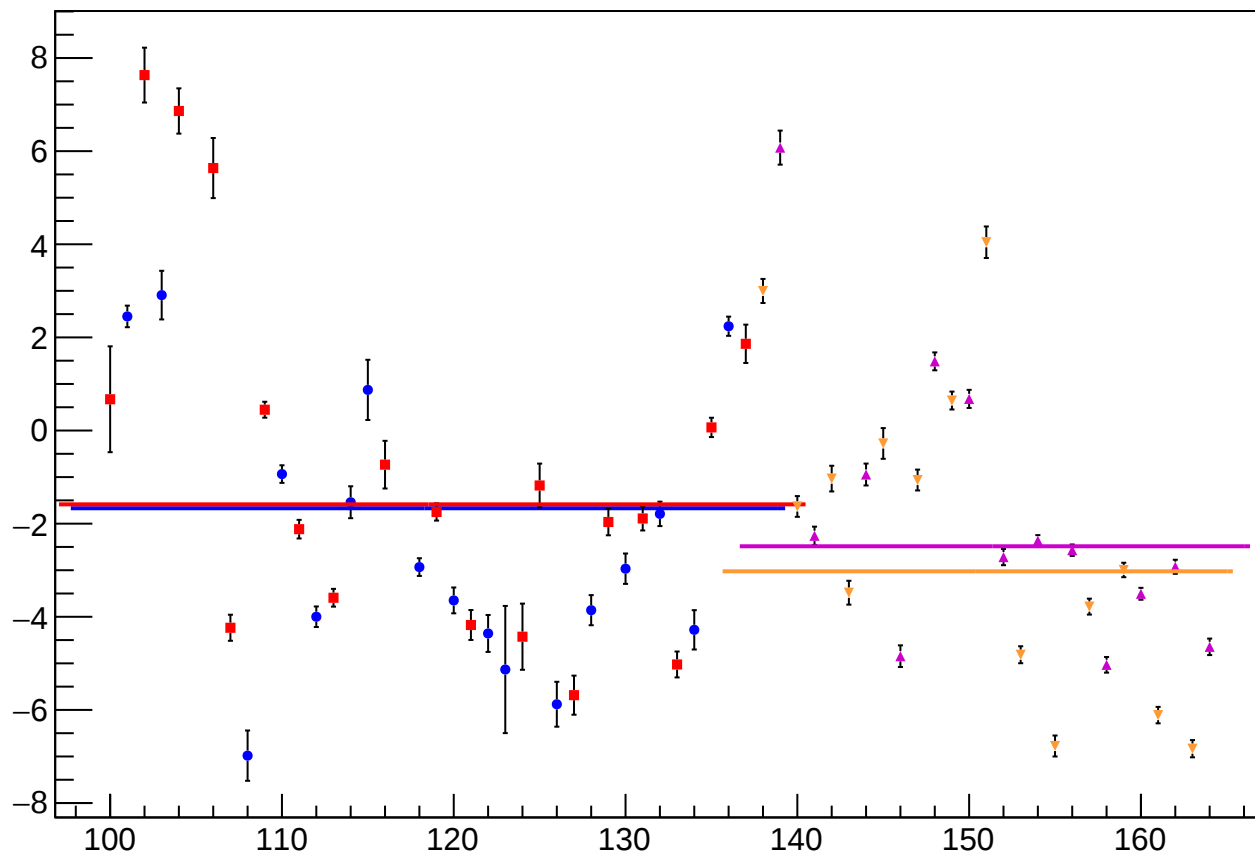
Right: -2.167 ± 0.074 χ^2/NDF : 1374.2/35

In: 13.926 ± 0.049 χ^2/NDF : 61330.7/29

Out: 16.057 ± 0.055 χ^2/NDF : 102011.8/32

All: 14.869 ± 0.037 χ^2/NDF : 164169.9/62

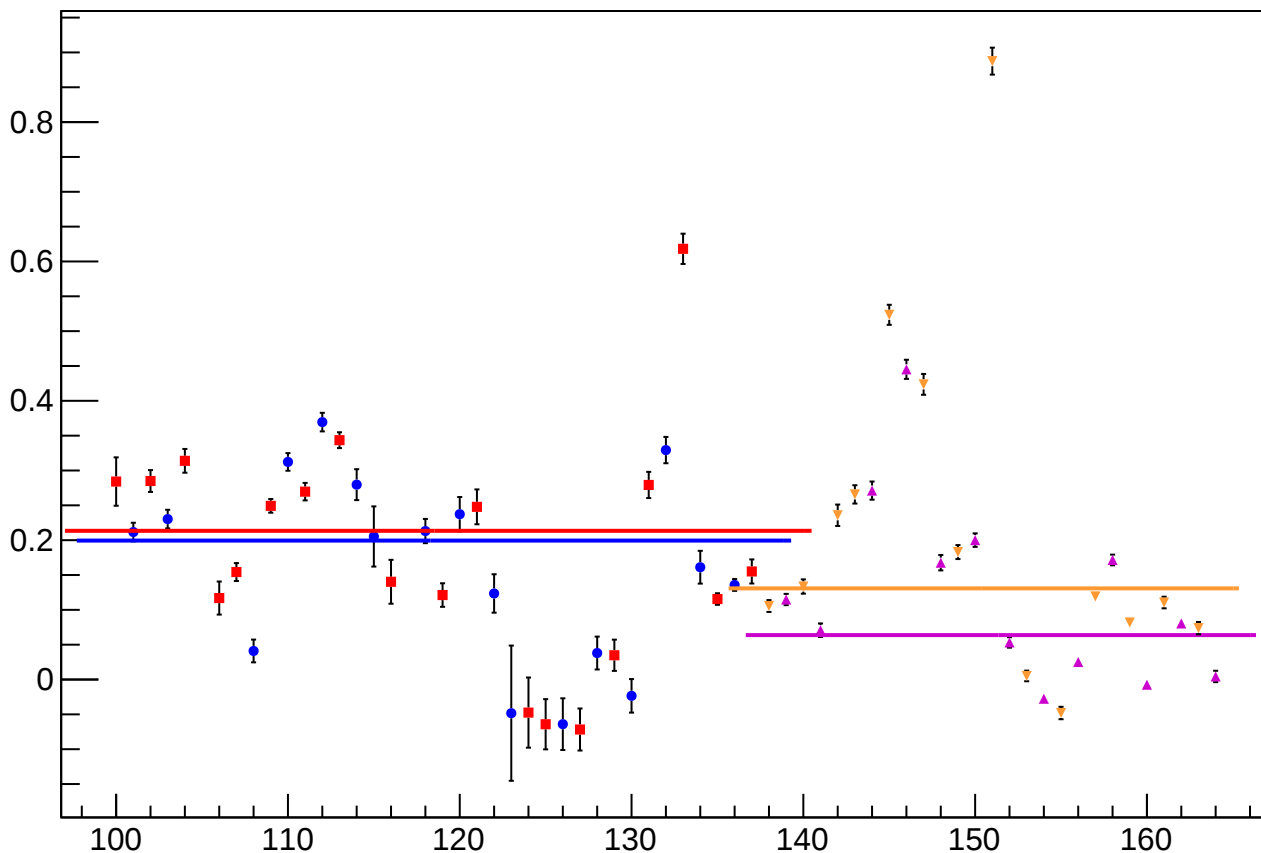
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



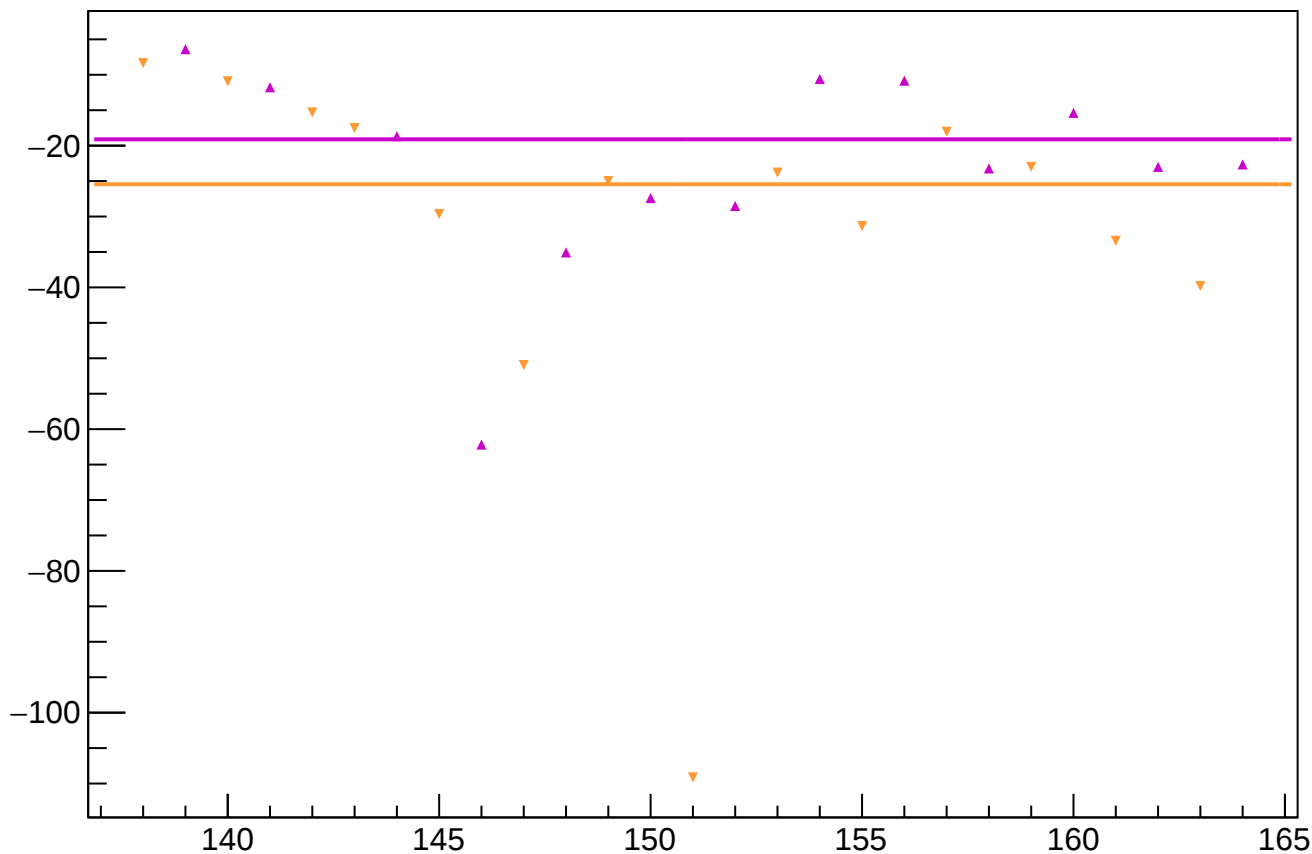
Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16
 Left Out: -3.023 ± 0.056 χ^2/NDF : 2704.5/13
 Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18
 Left In: -2.486 ± 0.046 χ^2/NDF : 1839.9/12

Left: -2.703 ± 0.036 χ^2/NDF : 4598.7/26
 Right: -1.624 ± 0.048 χ^2/NDF : 2810.4/35
 In: -2.241 ± 0.039 χ^2/NDF : 3248.1/29
 Out: -2.411 ± 0.043 χ^2/NDF : 4476.9/32
 All: -2.318 ± 0.029 χ^2/NDF : 7733.6/62

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



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: -25.451+/-0.069 χ^2/NDF :56330.1/13

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

Left In: -19.109+/-0.058 χ^2/NDF :37012.2/12

Left: -21.722+/-0.044 χ^2/NDF : 98338.8/26

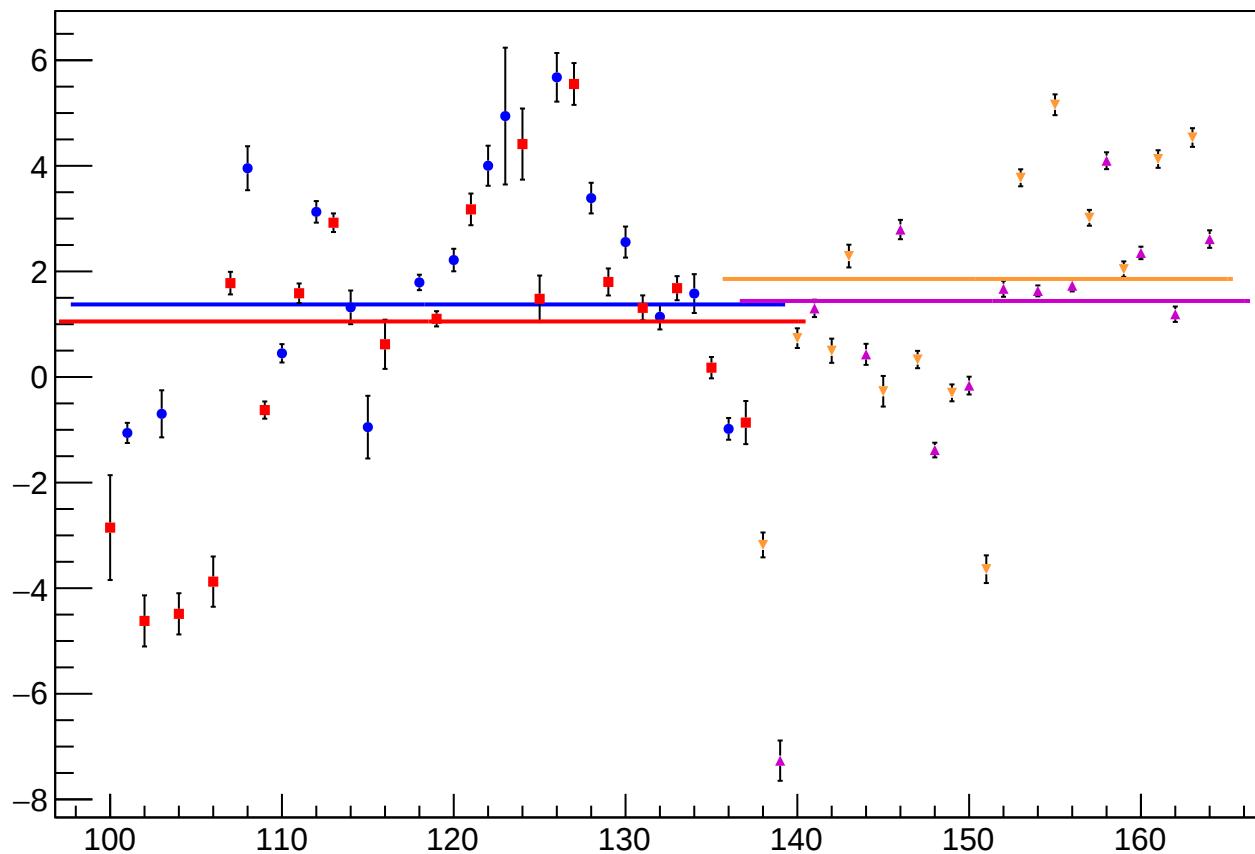
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.109+/-0.058 χ^2/NDF :37012.2/12

Out: -25.451+/-0.069 χ^2/NDF :56330.1/13

All: -21.722+/-0.044 χ^2/NDF : 98338.8/26

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: 1.858 ± 0.049 χ^2/NDF : 2191.4/13

Right Out: 1.052 ± 0.058 χ^2/NDF : 964.0/18

Left In: 1.440 ± 0.041 χ^2/NDF : 1504.4/12

Left: 1.610 ± 0.031 χ^2/NDF : 3738.4/26

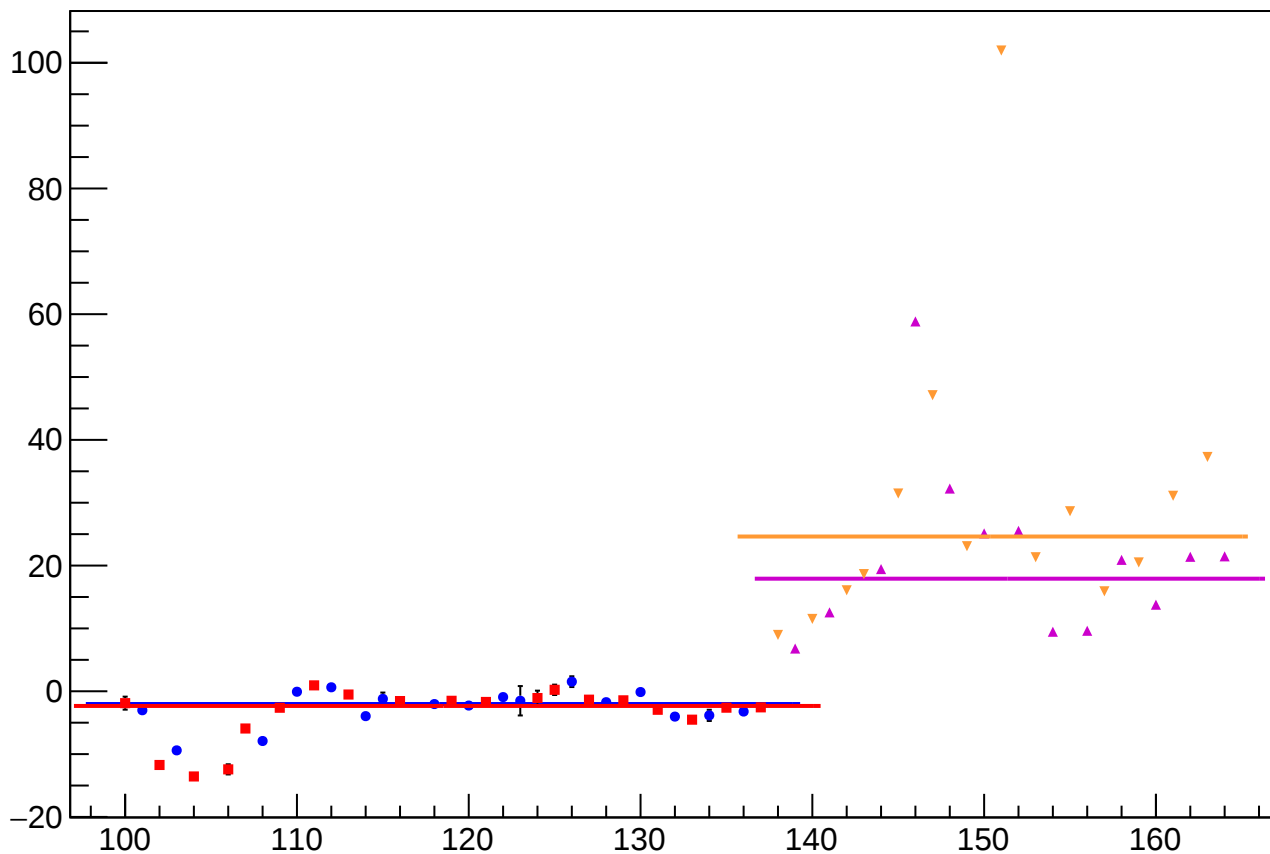
Right: 1.203 ± 0.042 χ^2/NDF : 1680.9/35

In: 1.420 ± 0.034 χ^2/NDF : 2207.6/29

Out: 1.520 ± 0.038 χ^2/NDF : 3267.5/32

All: 1.466 ± 0.025 χ^2/NDF : 5479.0/62

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 24.622 ± 0.067 χ^2/NDF : 50435.5/13

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

Left In: 17.913 ± 0.055 χ^2/NDF : 35117.9/12

Left: 20.621 ± 0.043 χ^2/NDF : 91505.5/26

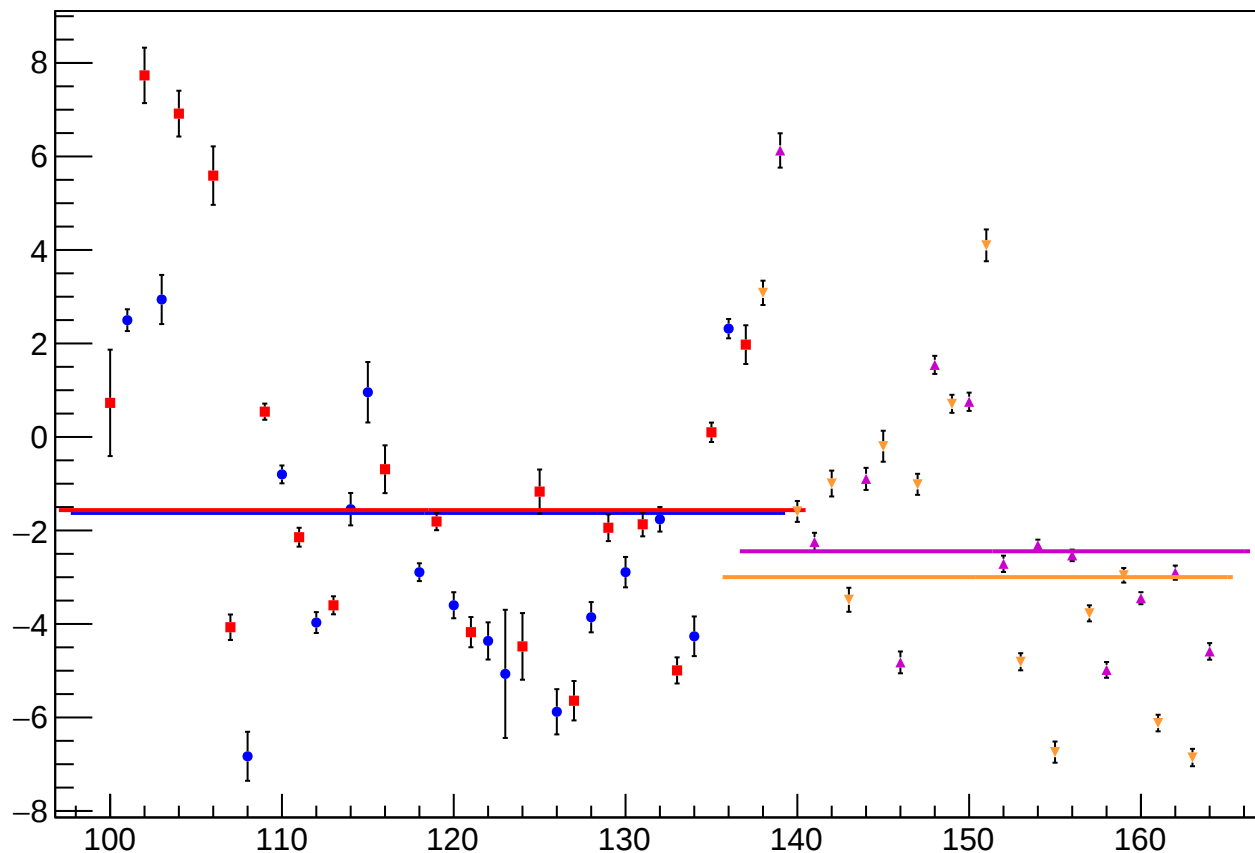
Right: -2.202 ± 0.074 χ^2/NDF : 1369.3/35

In: 13.972 ± 0.049 χ^2/NDF : 61343.2/29

Out: 16.119 ± 0.056 χ^2/NDF : 102160.7/32

All: 14.921 ± 0.037 χ^2/NDF : 164336.6/62

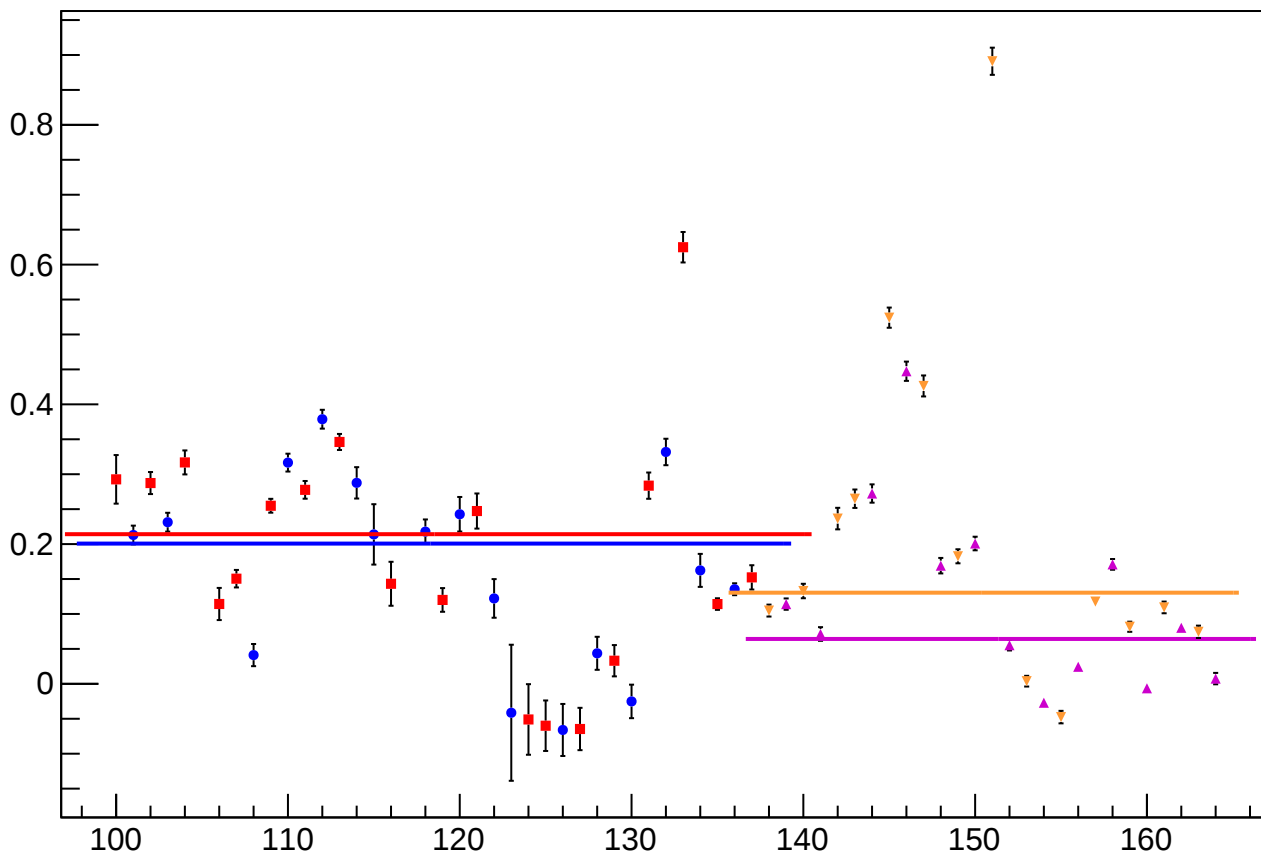
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 $\pm$ 0.071 χ^2/NDF : 1320.8/16
 Left Out: -2.998 $\pm$ 0.057 χ^2/NDF : 2729.1/13
 Right Out: -1.565 $\pm$ 0.066 χ^2/NDF : 1505.8/18
 Left In: -2.445 $\pm$ 0.047 χ^2/NDF : 1833.8/12

Left: -2.668 $\pm$ 0.036 χ^2/NDF : 4619.9/26
 Right: -1.592 $\pm$ 0.048 χ^2/NDF : 2826.9/35
 In: -2.199 $\pm$ 0.039 χ^2/NDF : 3247.8/29
 Out: -2.387 $\pm$ 0.043 χ^2/NDF : 4508.7/32
 All: -2.284 $\pm$ 0.029 χ^2/NDF : 7767.0/62

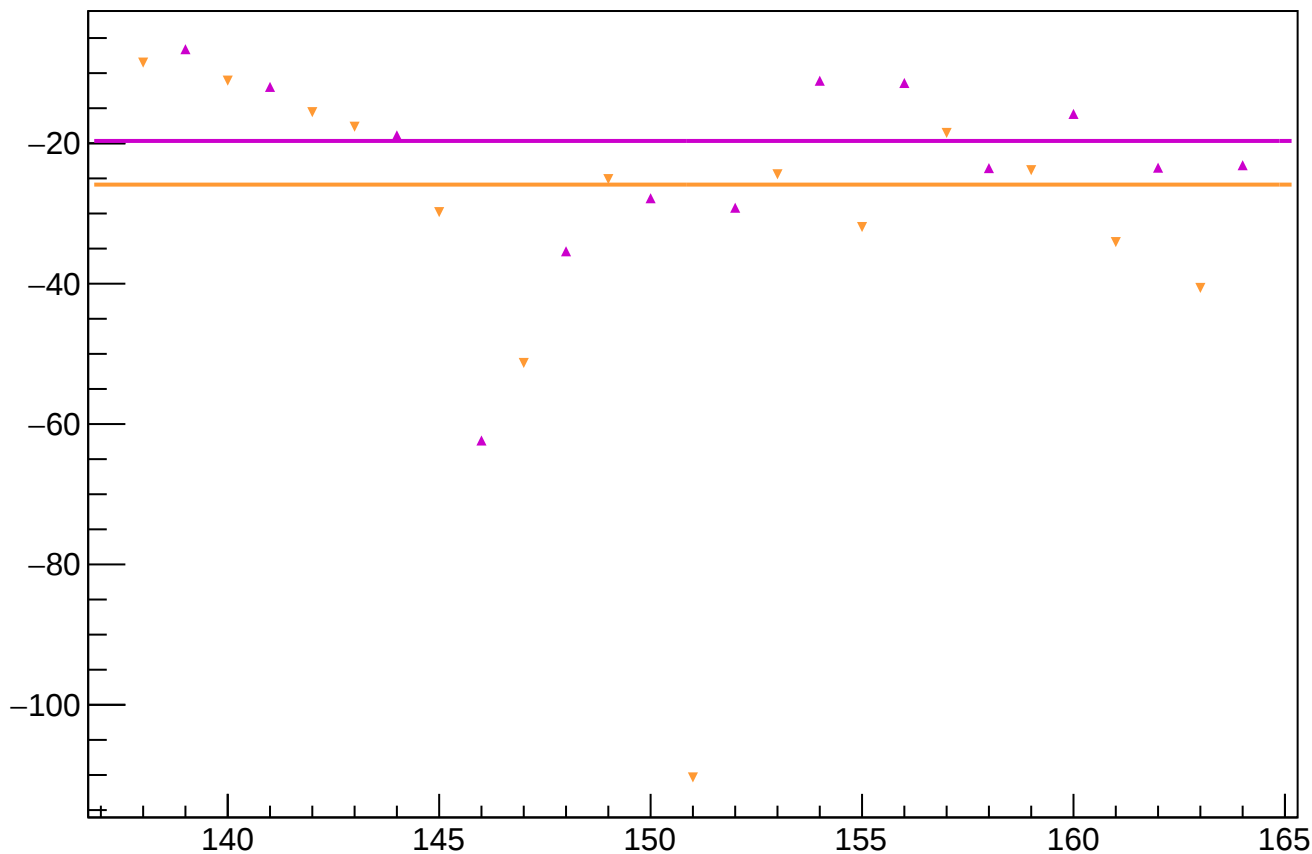
reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16
 Left Out: 0.130 $\pm$ 0.003 χ^2 /NDF:3609.9/13
 Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1080.4/18
 Left In: 0.064 $\pm$ 0.002 χ^2 /NDF:2151.1/12

Left: 0.090 $\pm$ 0.002 χ^2 /NDF: 6171.5/26
 Right: 0.208 $\pm$ 0.003 χ^2 /NDF: 1776.9/35
 In: 0.091 $\pm$ 0.002 χ^2 /NDF:3713.1/29
 Out: 0.158 $\pm$ 0.002 χ^2 /NDF:5039.1/32
 All: 0.120 $\pm$ 0.001 χ^2 /NDF: 9323.5/62

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: -25.883+/-0.070 χ^2/NDF :56258.8/13

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

Left In: -19.663+/-0.059 χ^2/NDF :35858.5/12

Left: -22.250+/-0.045 χ^2/NDF : 96739.8/26

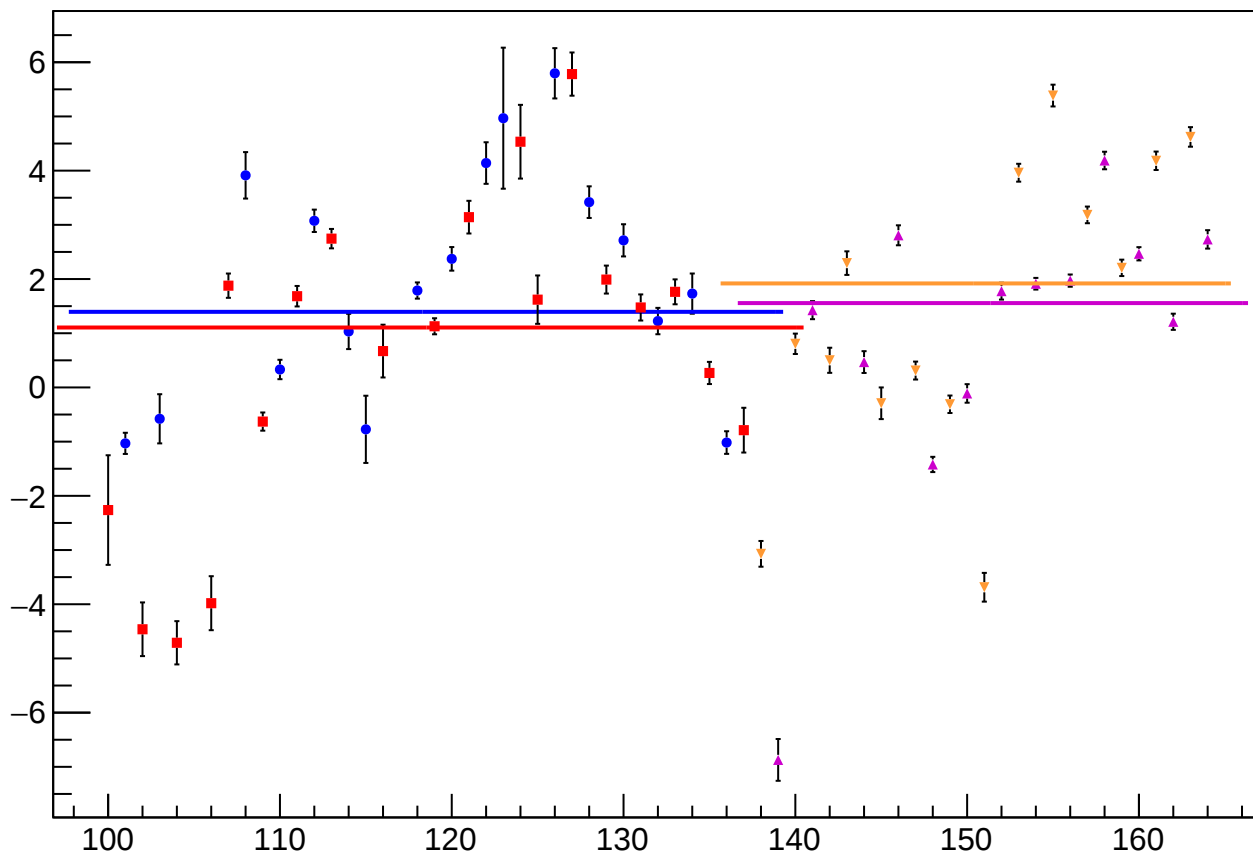
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.663+/-0.059 χ^2/NDF :35858.5/12

Out: -25.883+/-0.070 χ^2/NDF :56258.8/13

All: -22.250+/-0.045 χ^2/NDF : 96739.8/26

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 $\pm$ 0.063 χ^2 /NDF: 701.4/16

Left Out: 1.919 $\pm$ 0.050 χ^2 /NDF:2230.6/13

Right Out: 1.106 $\pm$ 0.059 χ^2 /NDF: 937.0/18

Left In: 1.556 $\pm$ 0.042 χ^2 /NDF:1495.6/12

Left: 1.705 $\pm$ 0.032 χ^2 /NDF: 3757.1/26

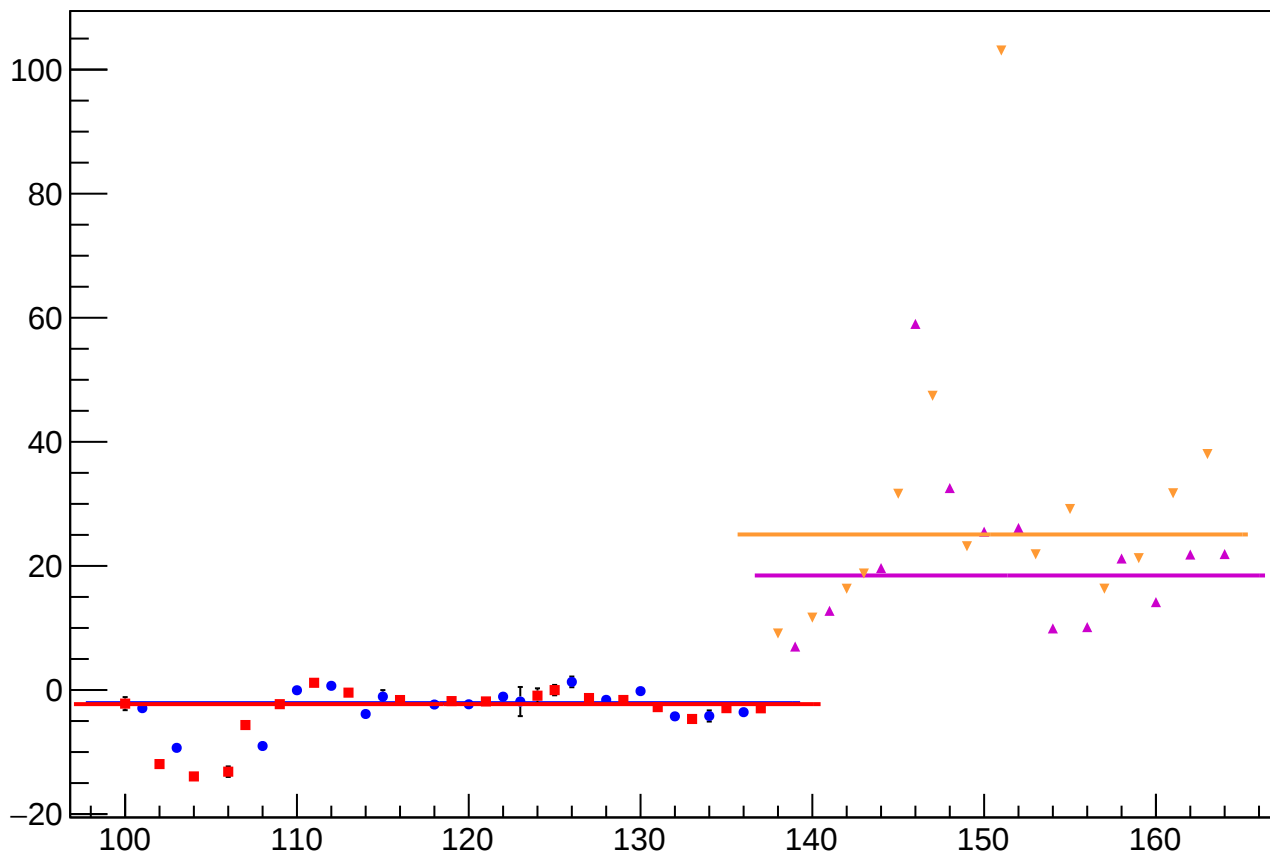
Right: 1.241 $\pm$ 0.043 χ^2 /NDF: 1649.6/35

In: 1.507 $\pm$ 0.035 χ^2 /NDF:2201.6/29

Out: 1.580 $\pm$ 0.038 χ^2 /NDF:3277.6/32

All: 1.540 $\pm$ 0.026 χ^2 /NDF: 5481.1/62

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 25.071 ± 0.068 χ^2/NDF : 50215.3/13

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

Left In: 18.460 ± 0.057 χ^2/NDF : 33876.0/12

Left: 21.153 ± 0.044 χ^2/NDF : 89639.6/26

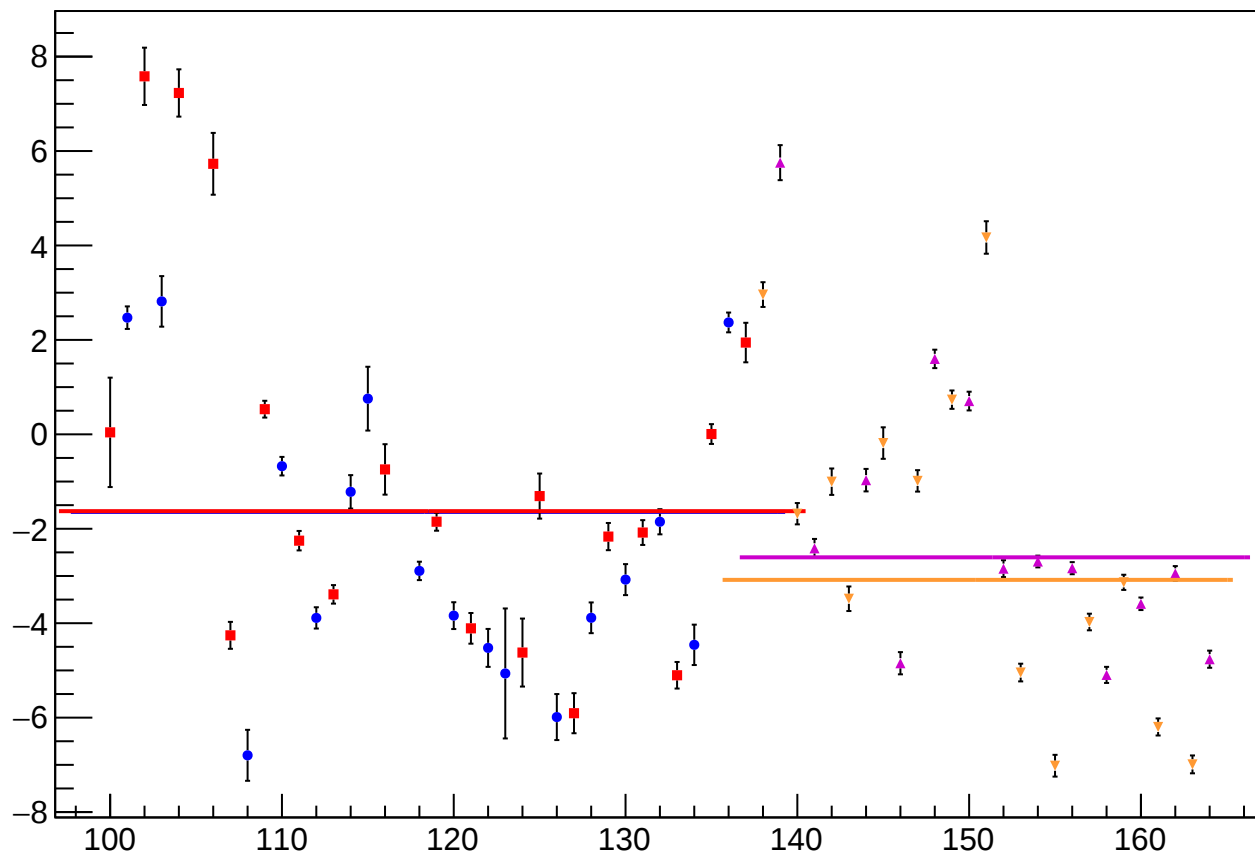
Right: -2.207 ± 0.075 χ^2/NDF : 1406.8/35

In: 14.346 ± 0.051 χ^2/NDF : 60758.4/29

Out: 16.491 ± 0.057 χ^2/NDF : 101410.4/32

All: 15.300 ± 0.038 χ^2/NDF : 162966.1/62

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: -3.082 ± 0.058 $\chi^2/\text{NDF}: 2767.3/13$

Right Out: -1.627 ± 0.067 $\chi^2/\text{NDF}: 1468.1/18$

Left In: -2.605 ± 0.048 $\chi^2/\text{NDF}: 1808.1/12$

Left: -2.799 ± 0.037 $\chi^2/\text{NDF}: 4616.2/26$

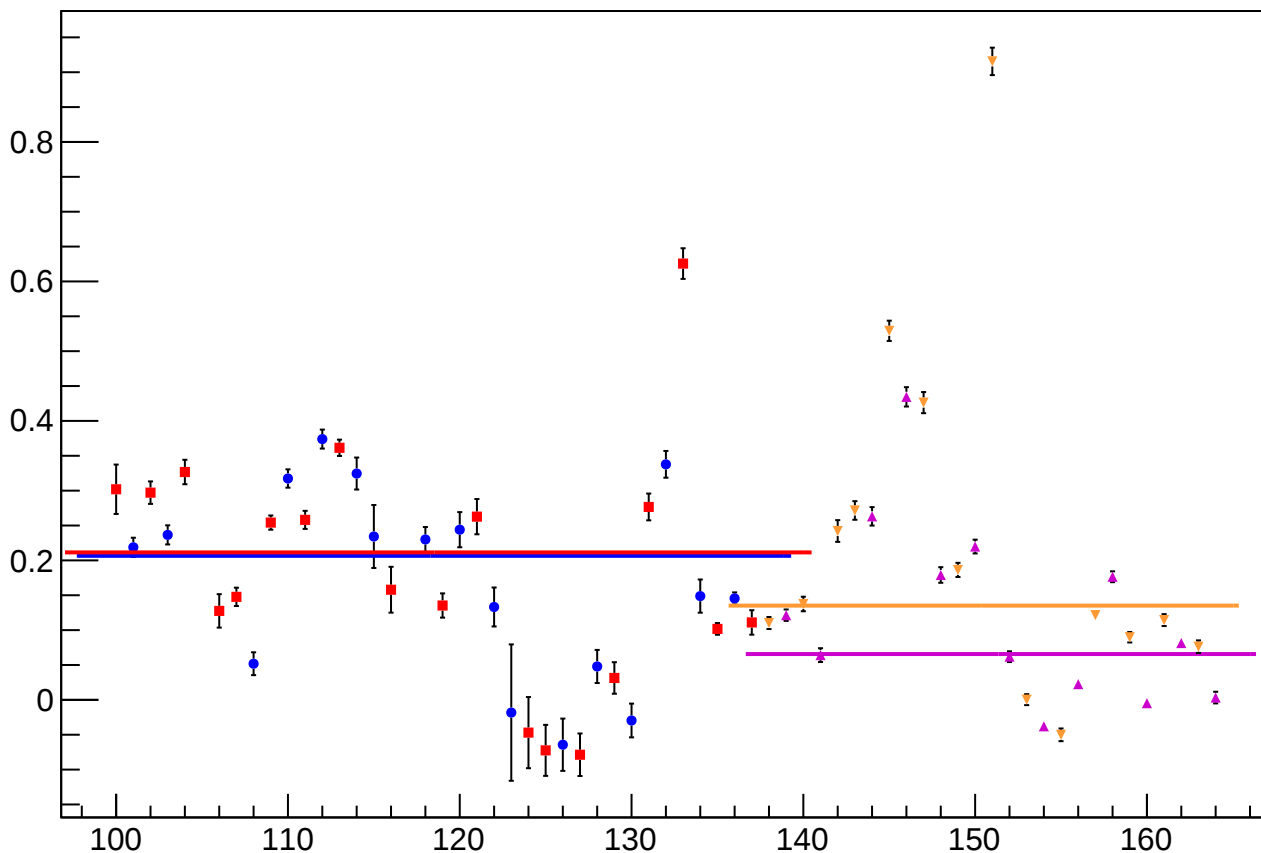
Right: -1.635 ± 0.049 $\chi^2/\text{NDF}: 2778.2/35$

In: -2.314 ± 0.040 $\chi^2/\text{NDF}: 3241.3/29$

Out: -2.464 ± 0.044 $\chi^2/\text{NDF}: 4507.1/32$

All: -2.382 ± 0.029 $\chi^2/\text{NDF}: 7754.8/62$

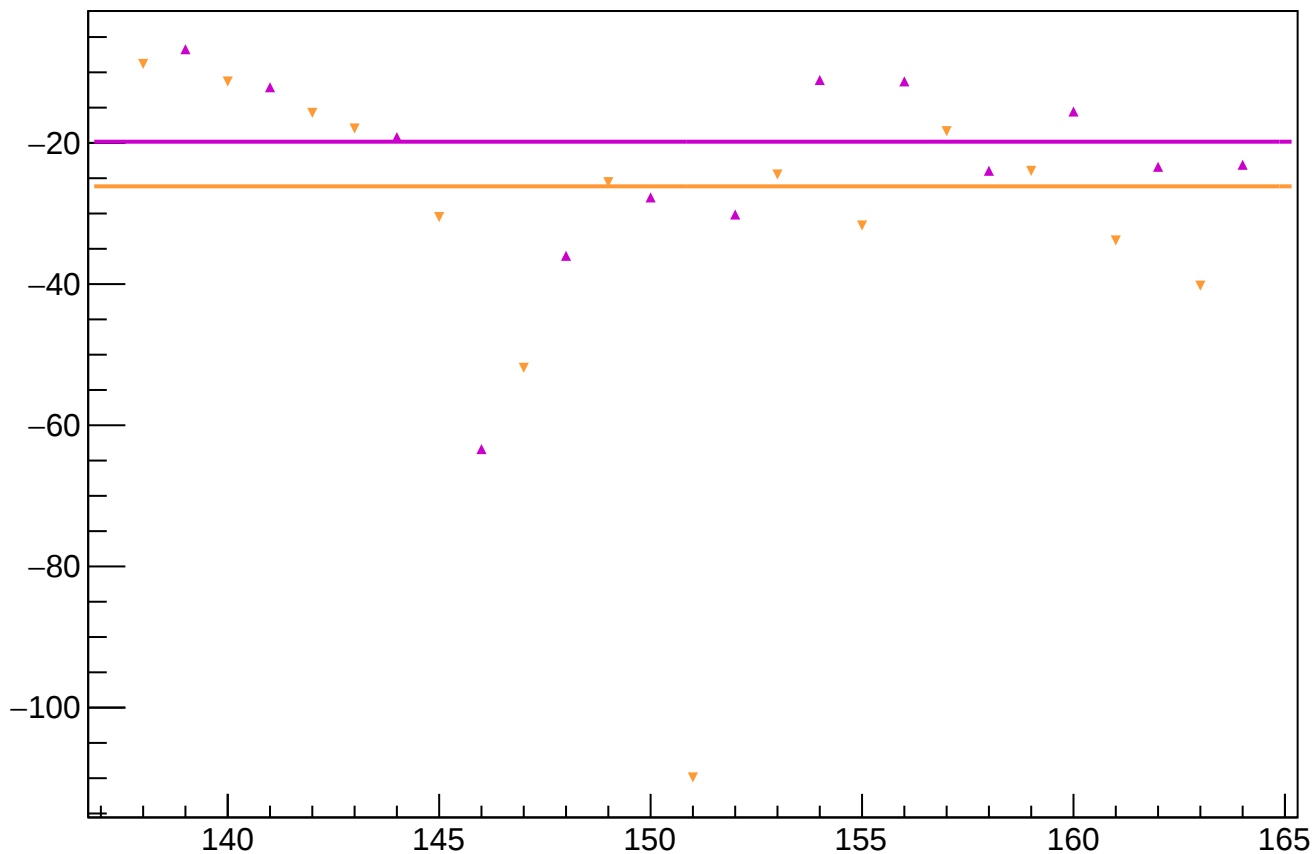
reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16
 Left Out: 0.135 ± 0.003 χ^2/NDF : 3660.0/13
 Right Out: 0.211 ± 0.004 χ^2/NDF : 1145.6/18
 Left In: 0.066 ± 0.002 χ^2/NDF : 2199.1/12

Left: 0.093 ± 0.002 χ^2/NDF : 6291.9/26
 Right: 0.209 ± 0.003 χ^2/NDF : 1801.3/35
 In: 0.094 ± 0.002 χ^2/NDF : 3747.5/29
 Out: 0.160 ± 0.002 χ^2/NDF : 5084.0/32
 All: 0.123 ± 0.001 χ^2/NDF : 9370.5/62

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: -26.150+/-0.071 χ^2/NDF :54975.4/13

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

Left In: -19.826+/-0.060 χ^2/NDF :36168.4/12

Left: -22.467+/-0.046 χ^2/NDF : 95800.4/26

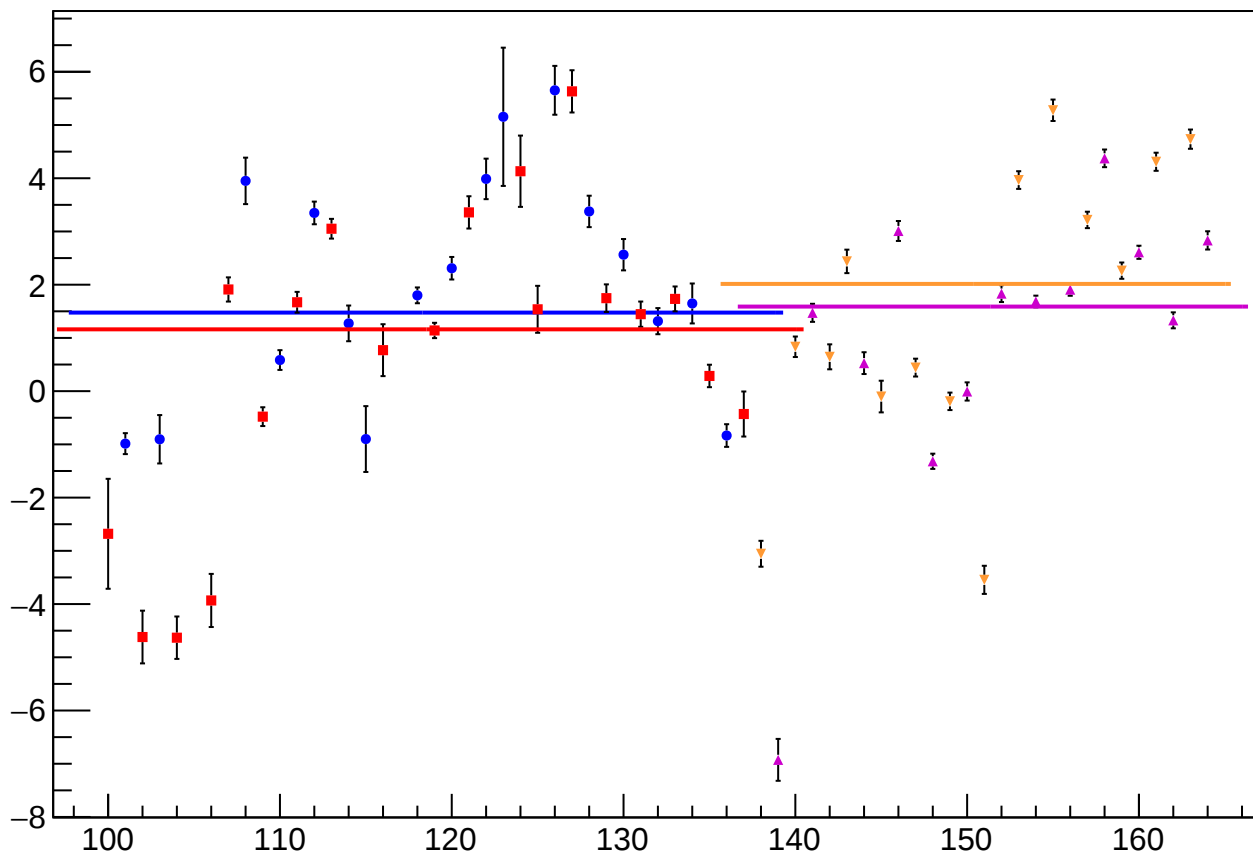
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.826+/-0.060 χ^2/NDF :36168.4/12

Out: -26.150+/-0.071 χ^2/NDF :54975.4/13

All: -22.467+/-0.046 χ^2/NDF : 95800.4/26

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: 2.015 ± 0.051 χ^2/NDF : 2143.3/13

Right Out: 1.161 ± 0.060 χ^2/NDF : 917.9/18

Left In: 1.589 ± 0.042 χ^2/NDF : 1469.2/12

Left: 1.765 ± 0.032 χ^2/NDF : 3654.1/26

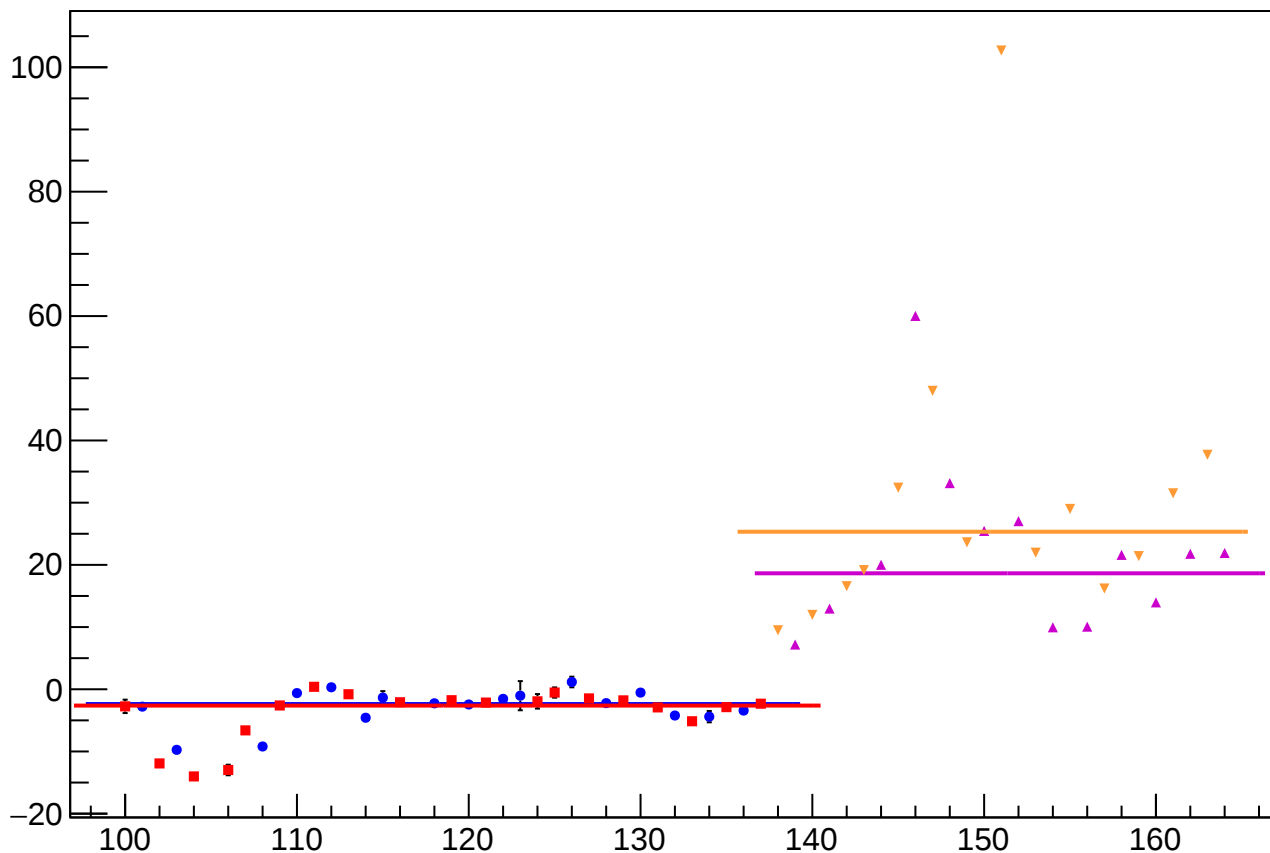
Right: 1.309 ± 0.044 χ^2/NDF : 1590.5/35

In: 1.554 ± 0.035 χ^2/NDF : 2131.1/29

Out: 1.660 ± 0.039 χ^2/NDF : 3179.7/32

All: 1.602 ± 0.026 χ^2/NDF : 5314.8/62

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: 25.327 ± 0.069 χ^2/NDF : 49216.8/13

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

Left In: 18.645 ± 0.057 χ^2/NDF : 34213.4/12

Left: 21.381 ± 0.044 χ^2/NDF : 88962.1/26

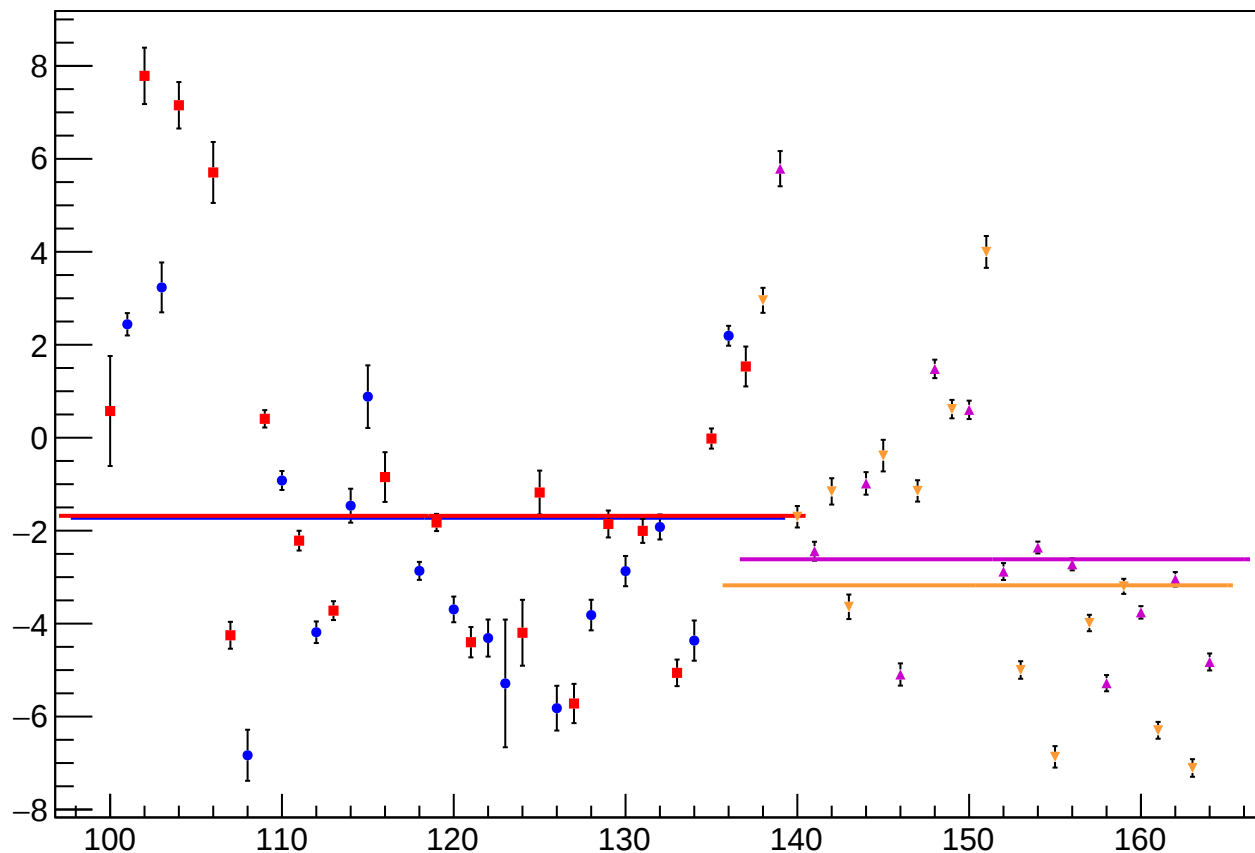
Right: -2.514 ± 0.077 χ^2/NDF : 1282.5/35

In: 14.444 ± 0.051 χ^2/NDF : 61384.8/29

Out: 16.692 ± 0.057 χ^2/NDF : 100690.5/32

All: 15.445 ± 0.038 χ^2/NDF : 162926.6/62

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -3.176 ± 0.058 χ^2/NDF : 2661.1/13

Right Out: -1.681 ± 0.068 χ^2/NDF : 1431.0/18

Left In: -2.616 ± 0.048 χ^2/NDF : 1799.9/12

Left: -2.845 ± 0.037 χ^2/NDF : 4516.0/26

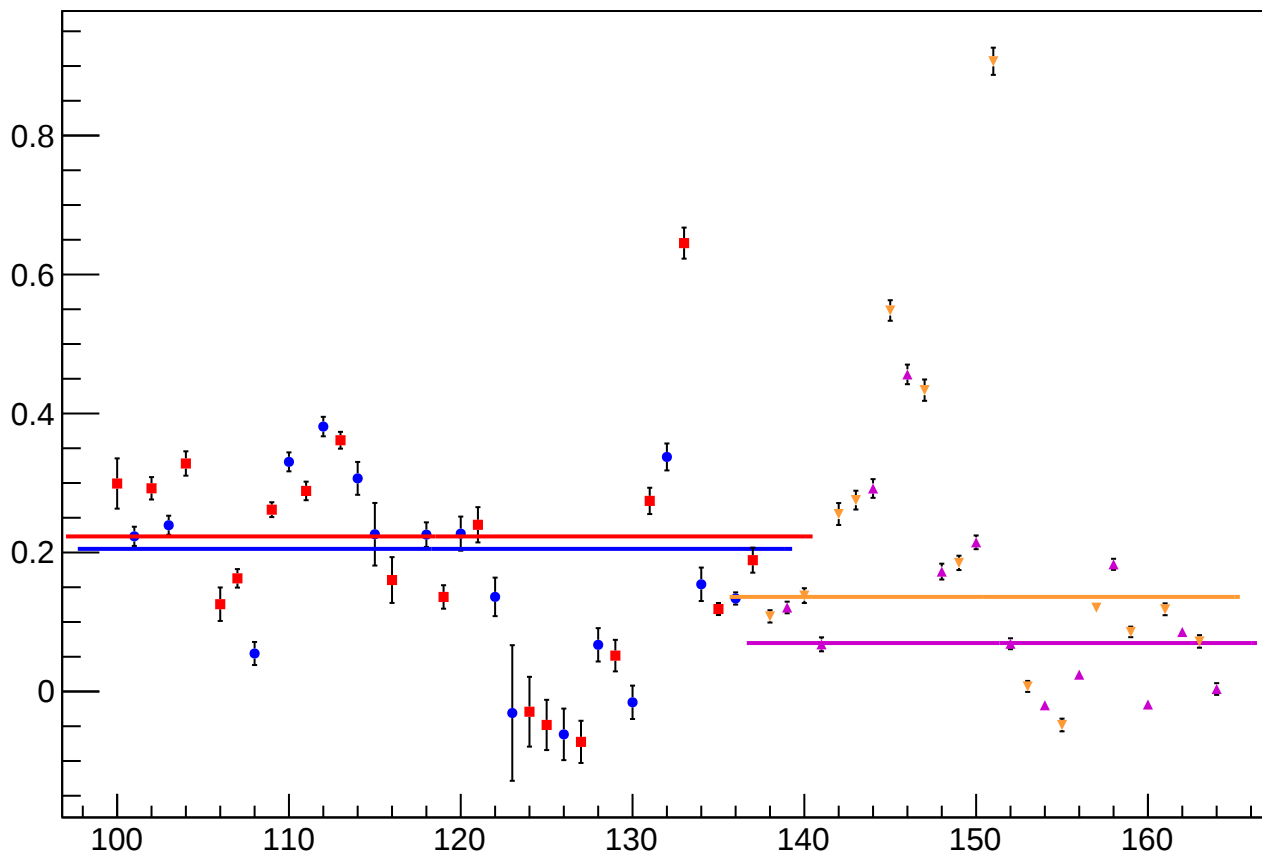
Right: -1.700 ± 0.050 χ^2/NDF : 2678.8/35

In: -2.343 ± 0.040 χ^2/NDF : 3151.3/29

Out: -2.544 ± 0.044 χ^2/NDF : 4371.9/32

All: -2.435 ± 0.030 χ^2/NDF : 7534.5/62

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: 0.136 ± 0.003 χ^2/NDF : 3673.0/13

Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18

Left In: 0.070 ± 0.002 χ^2/NDF : 2199.9/12

Left: 0.096 ± 0.002 χ^2/NDF : 6258.6/26

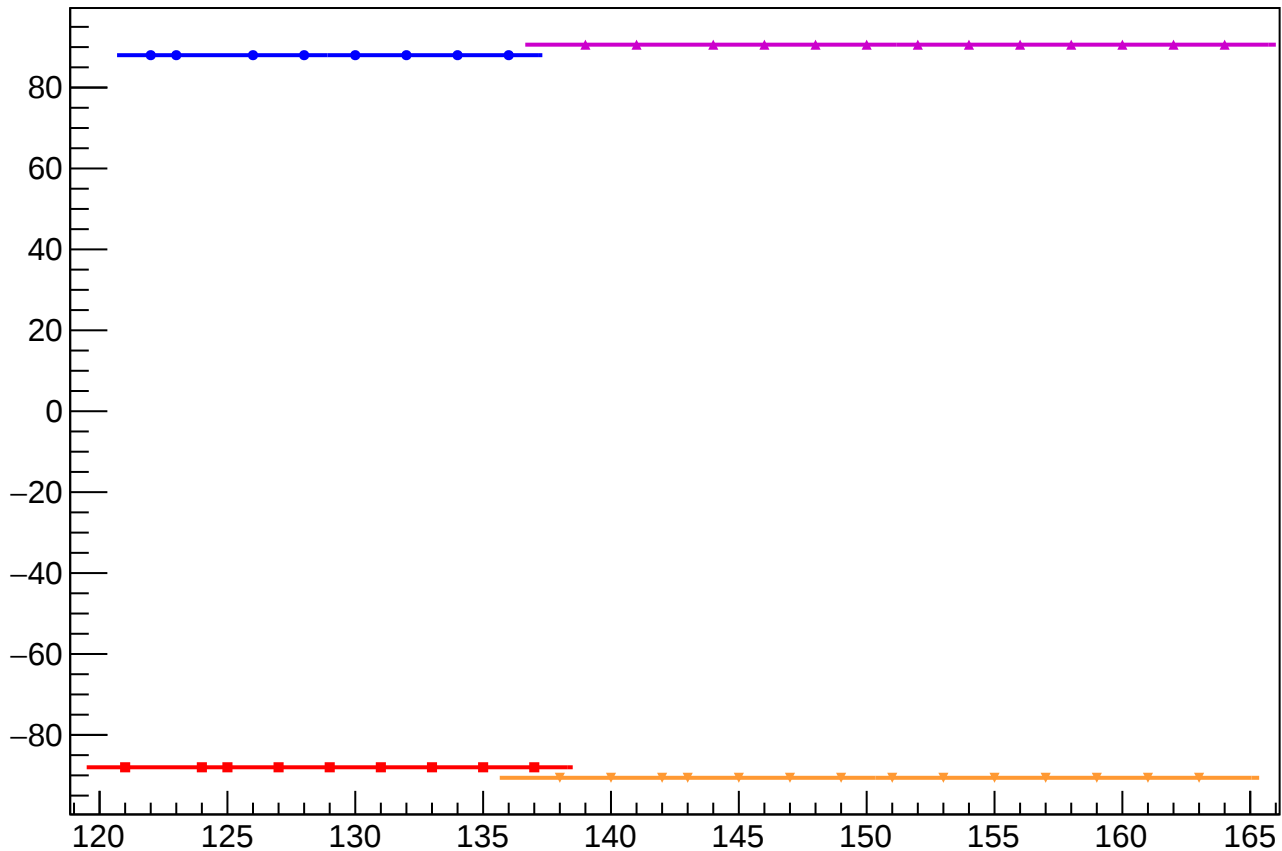
Right: 0.215 ± 0.003 χ^2/NDF : 1700.9/35

In: 0.097 ± 0.002 χ^2/NDF : 3654.1/29

Out: 0.164 ± 0.002 χ^2/NDF : 5063.6/32

All: 0.126 ± 0.001 χ^2/NDF : 9257.1/62

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 : 3777444.7/13

Right Out: -88.001 $\pm$ 0.000 χ^2/NDF : 109456.0/8

Left In: 90.599 $\pm$ 0.000 χ^2/NDF : 2567773.8/12

Left: -1.092 $\pm$ 0.000 χ^2/NDF : 17710794684795592

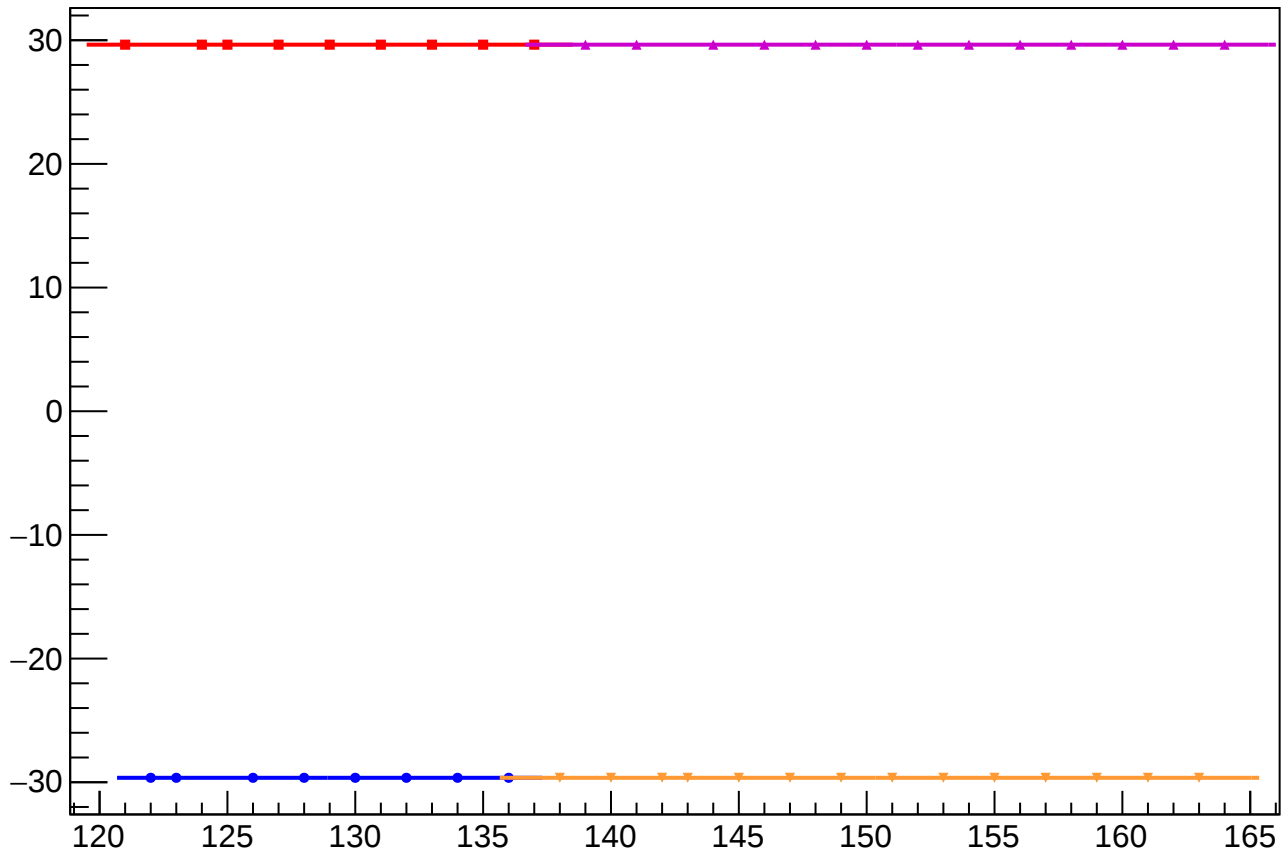
Right: 3.062 $\pm$ 0.000 χ^2/NDF : 51126681569224617

In: 89.968 $\pm$ 0.000 χ^2/NDF : 174846698025921165

Out: -90.012 $\pm$ 0.000 χ^2/NDF : 1667105509653727

All: -0.118 $\pm$ 0.000 χ^2/NDF : 2283219273933

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 179948.6/13

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: 29.641+/-0.000 χ^2/NDF : 97137.2/12

Left: -0.357+/-0.000 χ^2/NDF : 18956816109040694

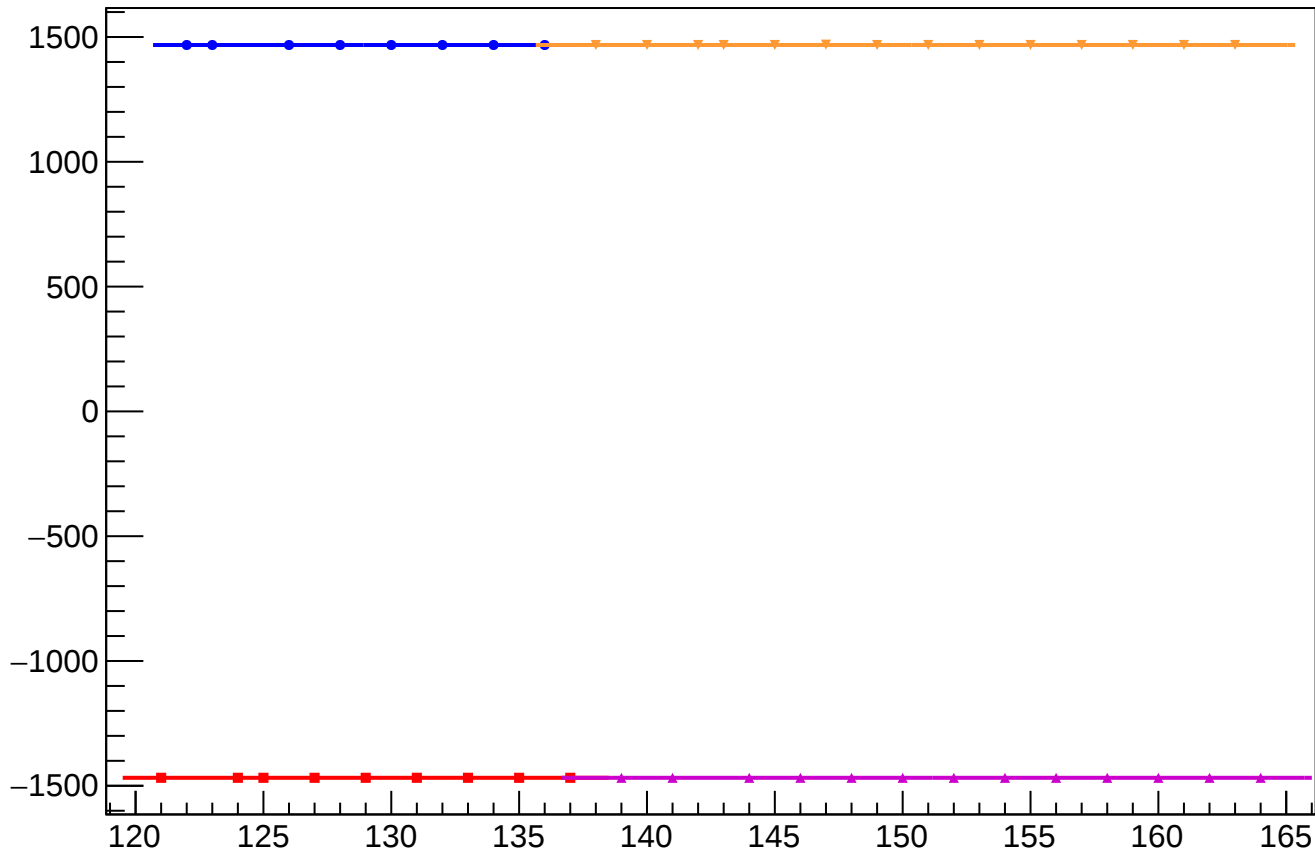
Right: -1.031+/-0.000 χ^2/NDF : 5800324943766944

In: 15.241+/-0.000 χ^2/NDF : 909950253773047852

Out: -16.238+/-0.000 χ^2/NDF : 8676075091512179

All: -0.515+/-0.000 χ^2/NDF : 2475944146093

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000

χ^2/NDF : 436234375.5/7

Left: 17.734+/-0.000

χ^2/NDF : 46501015430483767

Right: 51.079+/-0.000

χ^2/NDF : 1422706063207371

Left Out: 1468.084+/-0.000

χ^2/NDF : 124556797583811109412065375158272.0/13

In: -754.850+/-0.000

χ^2/NDF : 2231945660791155

Right Out: -1467.979+/-0.000

χ^2/NDF : 83183350.3/8

Out: 804.297+/-0.000

χ^2/NDF : 2128223562279553

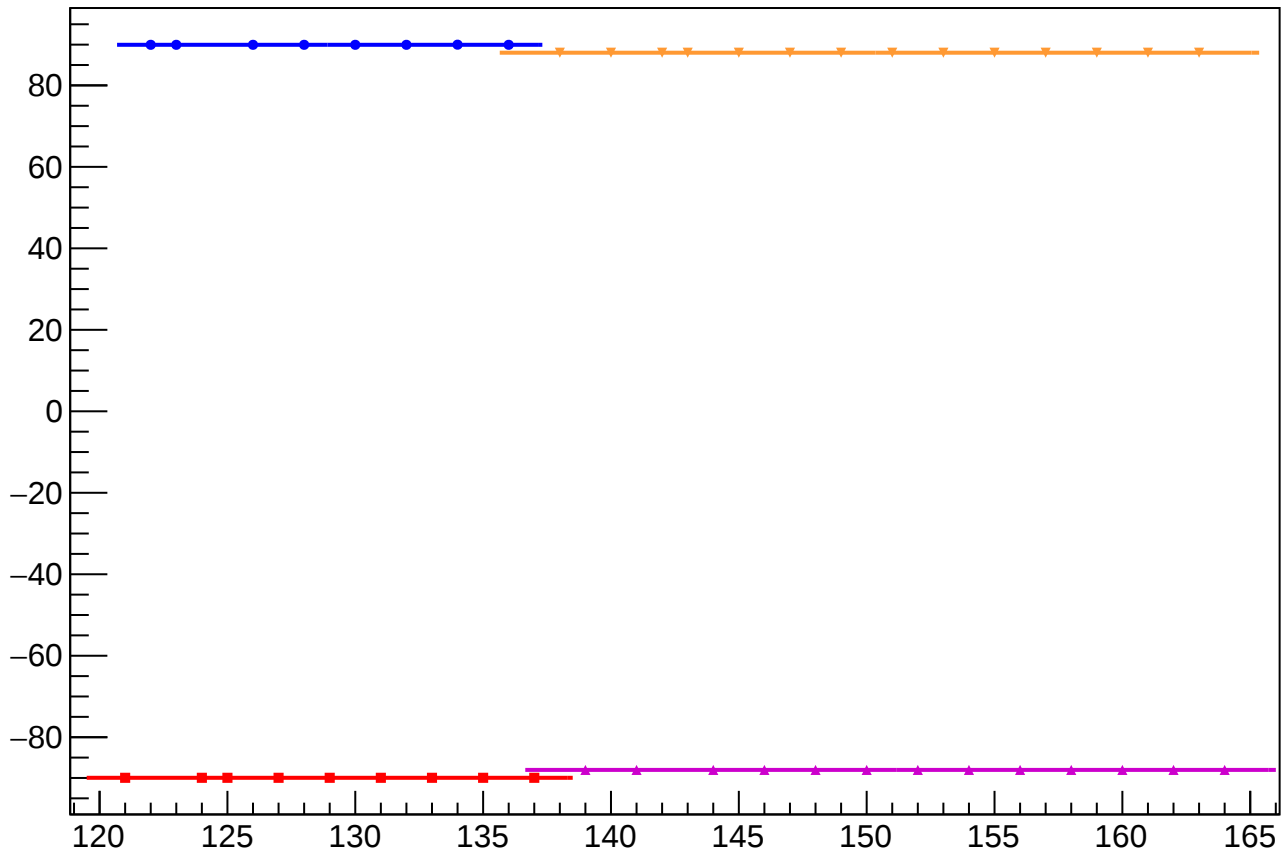
Left In: -1467.990+/-0.000

χ^2/NDF : 106326454008359177080641945600.0/12

All: 25.553+/-0.000

χ^2/NDF : 6073370232389

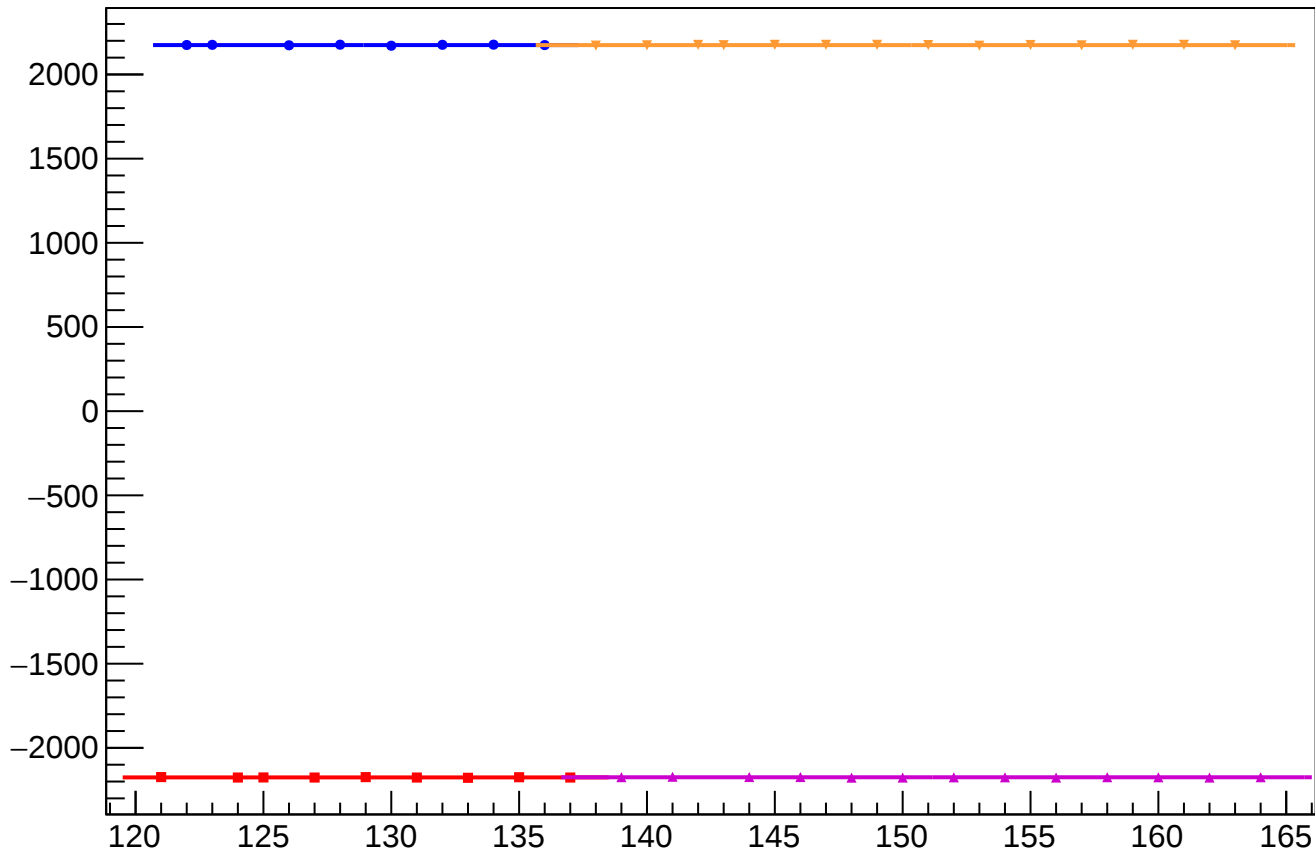
Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7
 Left Out: 88.021+/-0.000 χ^2/NDF : 3292970.5/13
 Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8
 Left In: -88.021+/-0.000 χ^2/NDF : 2477502.9/12

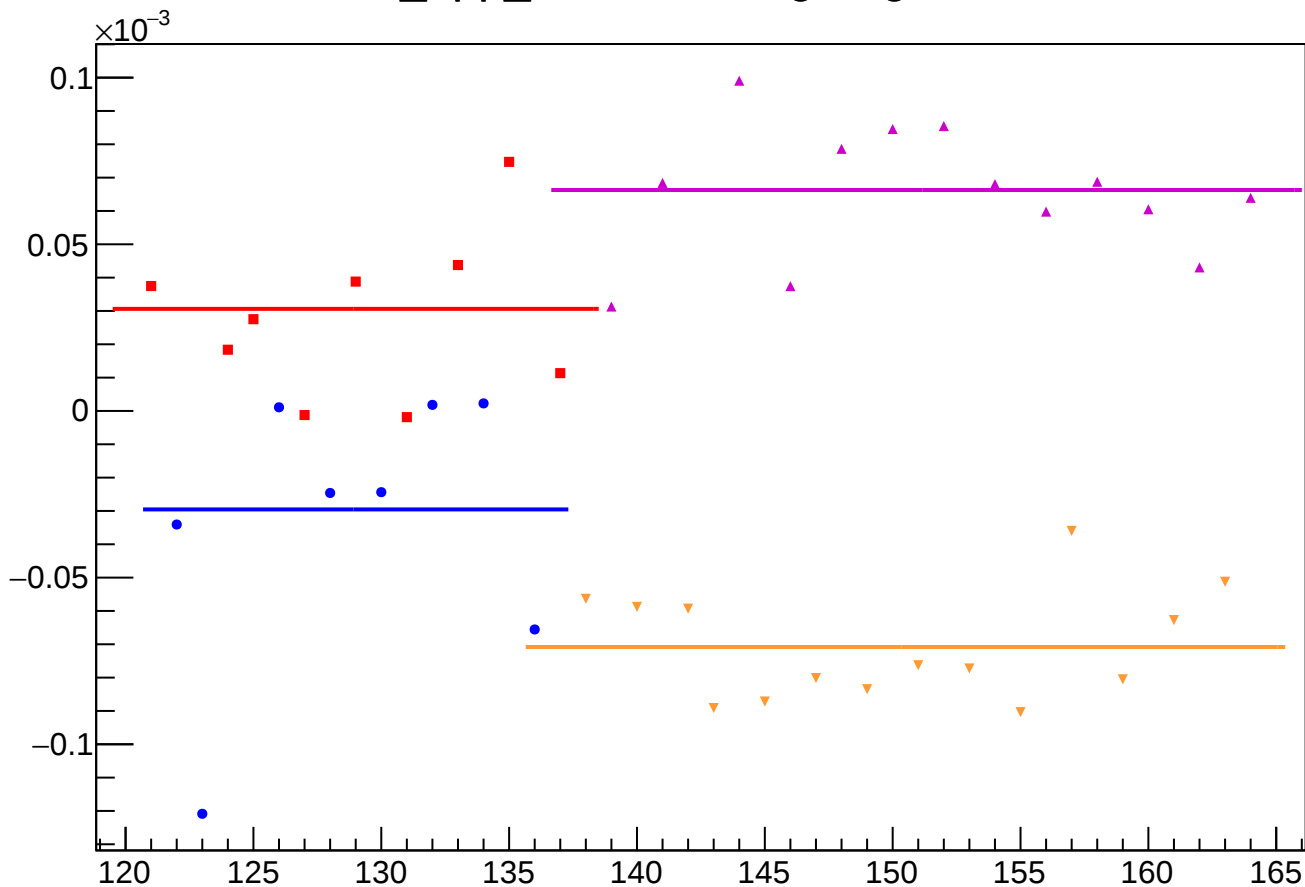
Left: 1.060+/-0.000 χ^2/NDF : 167169891645853700
 Right: 3.131+/-0.000 χ^2/NDF : 53429021948733419
 In: -44.789+/-0.000 χ^2/NDF : 82022493076464040
 Out: 47.783+/-0.000 χ^2/NDF : 78203954171362000
 All: 1.546+/-0.000 χ^2/NDF : 22062061151999

HALLA_p_mean vs Slug, Sign Corrected



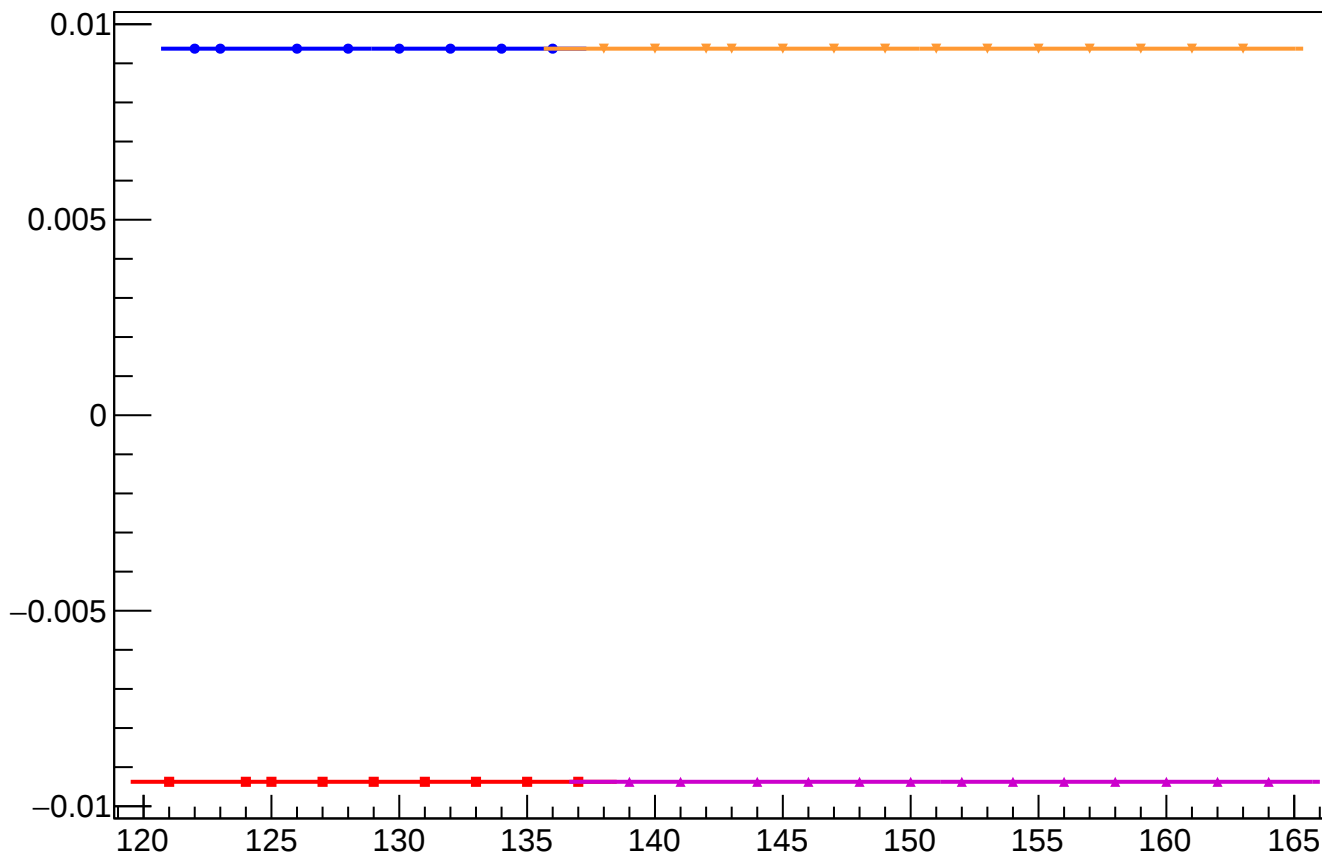
Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7
 Left Out: 2174.393+/-0.000 χ^2/NDF : 3493754556495061994293722597031936.0/13
 Right Out: -2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8
 Left In: -2174.584+/-0.000 χ^2/NDF : 2405847276523443203084741578326016.0/12
 All: 37.626+/-0.000 χ^2/NDF : 1332681544108

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000	χ^2/NDF : 250161267307815387529216.0/7	Left: -0.000+/-0.000	χ^2/NDF : 10795292601932495
Left Out: -0.000+/-0.000	χ^2/NDF : 276800137098451199459328.0/13	Right: -0.000+/-0.000	χ^2/NDF : 1044577663810456
Right Out: 0.000+/-0.000	χ^2/NDF : 196732771178766734983168.0/8	In: 0.000+/-0.000	χ^2/NDF : 3006219007113445945
Left In: 0.000+/-0.000	χ^2/NDF : 378062219391262053629952.0/12	Out: -0.000+/-0.000	χ^2/NDF : 30145499331457236
		All: -0.000+/-0.000	χ^2/NDF : 1184326068746

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:0.0/13

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.0/12

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 189640436746987348

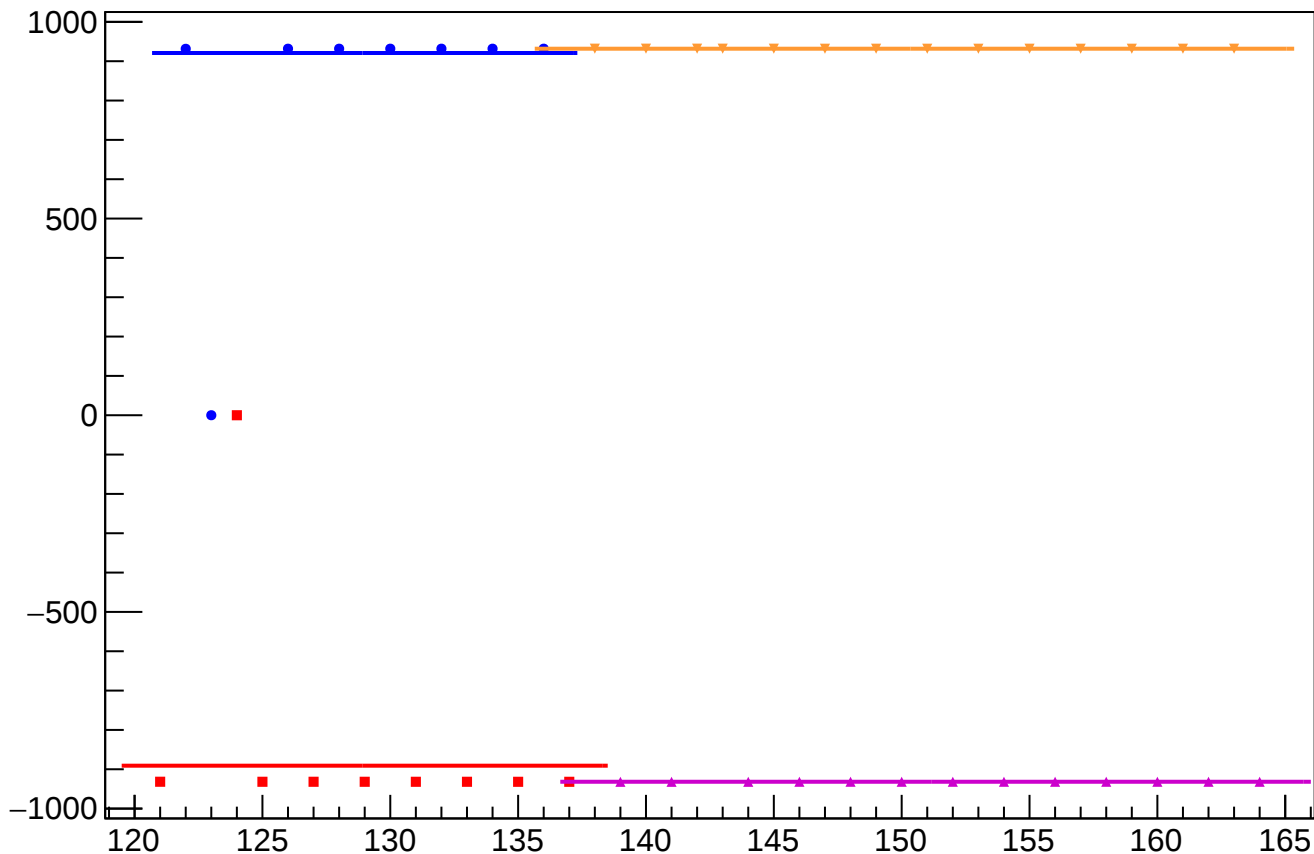
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.005 $\pm$ 0.000 χ^2 /NDF:910297185724429636

Out: 0.005 $\pm$ 0.000 χ^2 /NDF:867938297306872842

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 24768881363073

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 920.898+/-0.000

χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.785+/-0.000

χ^2/NDF : 3824097196132259392435592888320.0/13

Right Out: -890.923+/-0.000

χ^2/NDF : 11621671430114409722932854398744788992.0/8

Left In: -931.771+/-0.000

χ^2/NDF : 3339793681810209771105256734720.0/12

Left: 11.233+/-0.000 χ^2/NDF : 18733256661000920

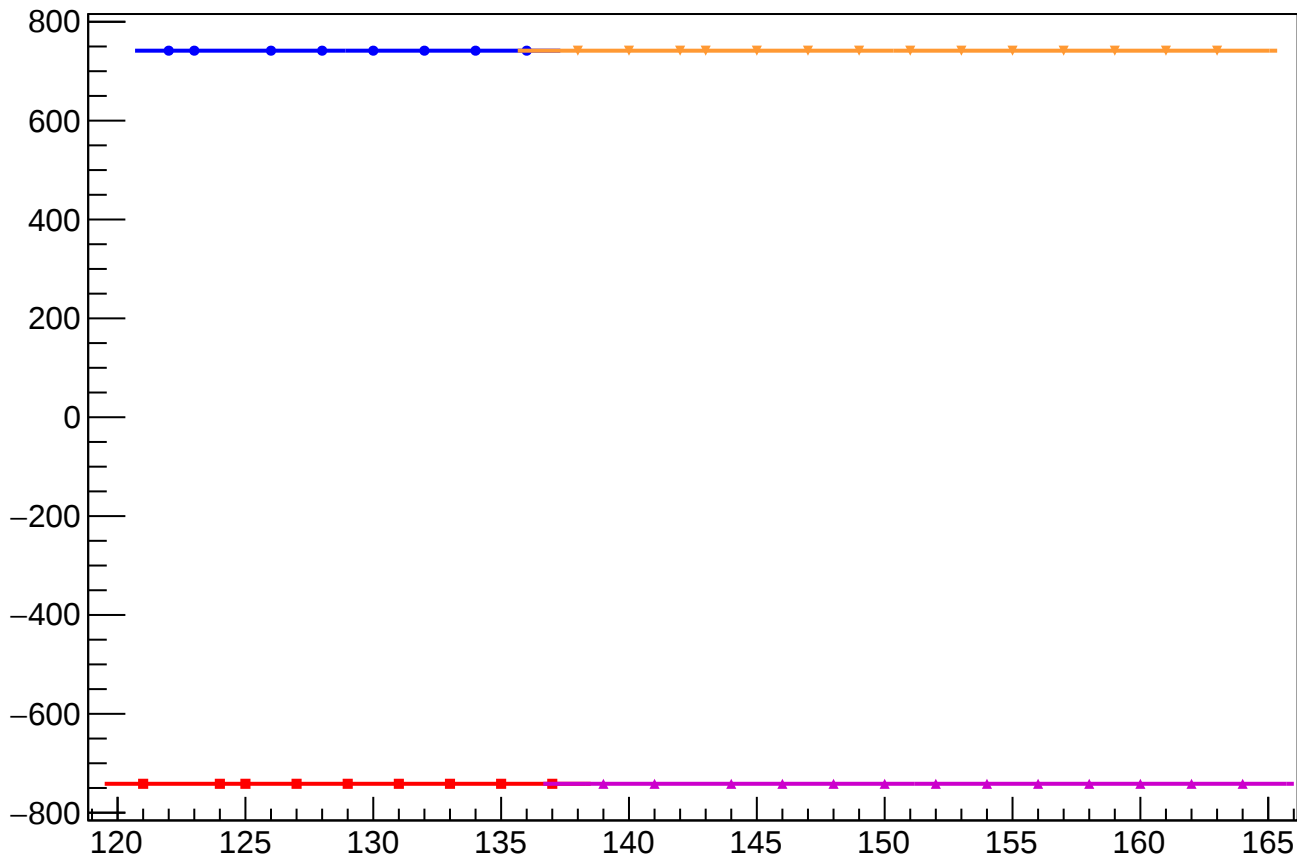
Right: 46.509+/-0.000 χ^2/NDF : 5568625454904034

In: -481.762+/-0.000 χ^2/NDF : 8921756159158833

Out: 519.705+/-0.000 χ^2/NDF : 8318230376791960

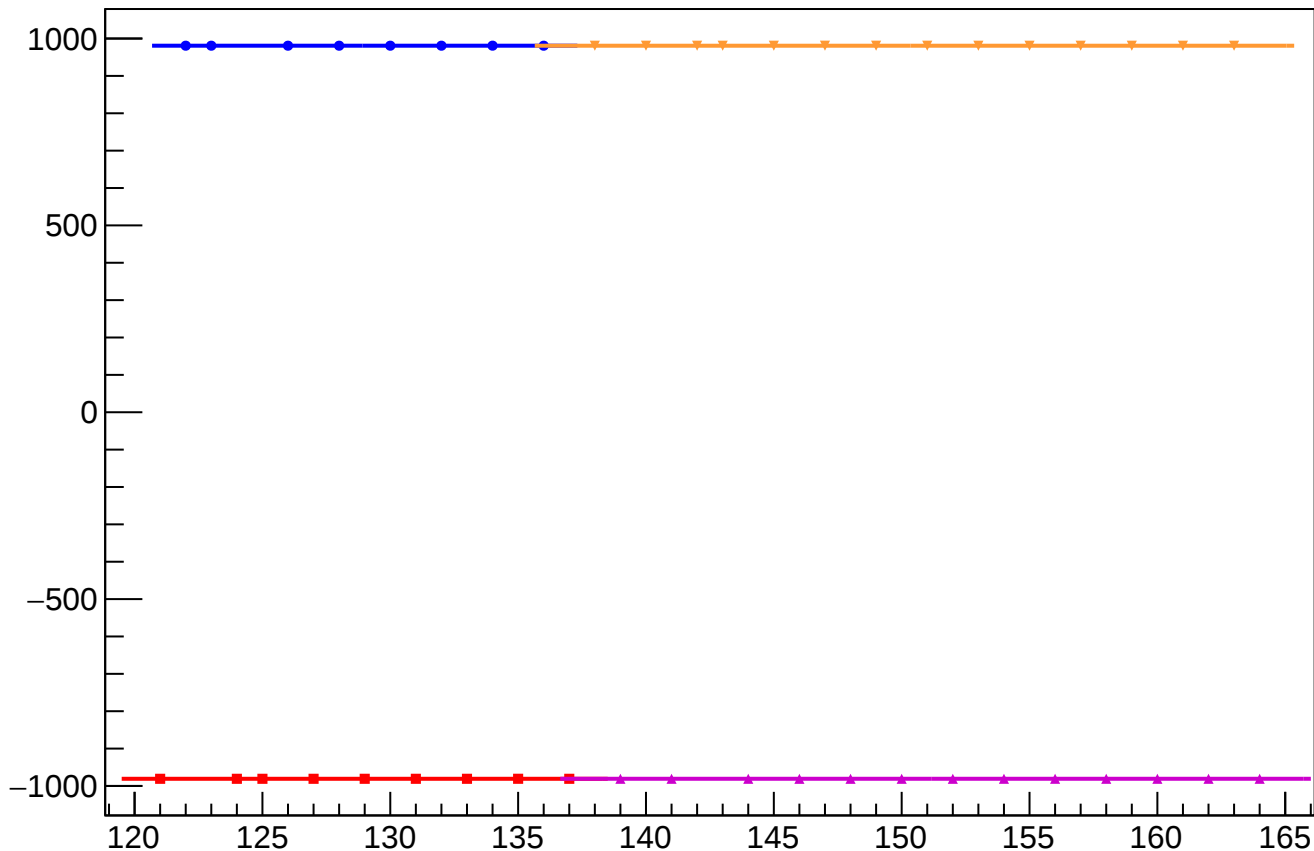
All: 19.504+/-0.000 χ^2/NDF : 2430817895355

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



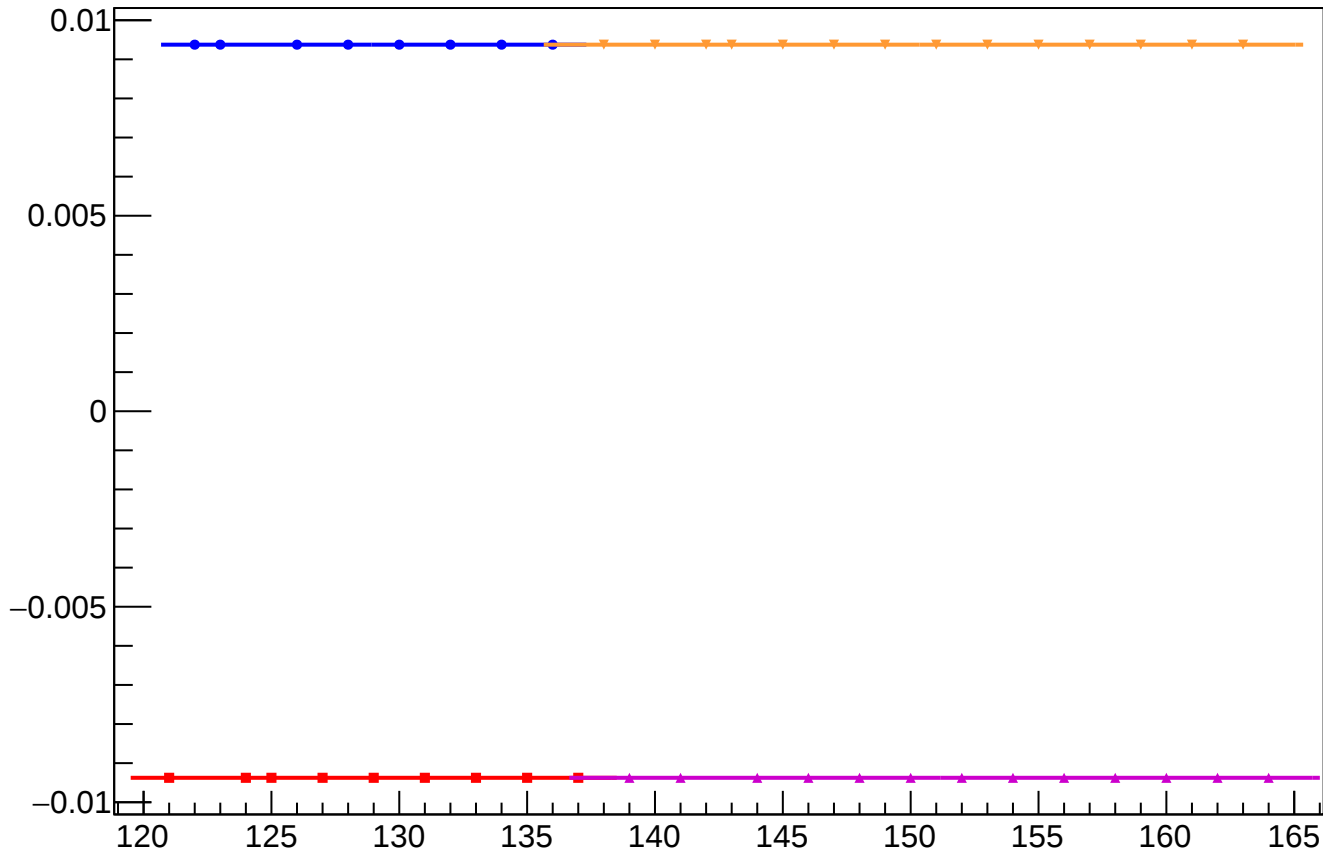
Right In: 741.528+/-0.000	χ^2/NDF : 18896144326732419810052800512.0/7	Left: 8.934+/-0.000	χ^2/NDF : 118639755692620423
Left Out: 741.517+/-0.000	χ^2/NDF : 119003742152676901932423446528.0/13	Right: 25.802+/-0.000	χ^2/NDF : 3630199450079866
Right Out: -741.529+/-0.000	χ^2/NDF : 16580353917842624420385914880.0/8	In: -381.288+/-0.000	χ^2/NDF : 5694934758206160
Left In: -741.516+/-0.000	χ^2/NDF : 107880392033344386335334465536.0/12	Out: 406.229+/-0.000	χ^2/NDF : 5429942224518265
		All: 12.889+/-0.000	χ^2/NDF : 1549561466222

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 11.812 +/- 0.000 χ^2/NDF : 20755294085199557
 Right: 34.132 +/- 0.000 χ^2/NDF : 6351195317188543
 In: -504.312 +/- 0.000 χ^2/NDF : 9963335237350165
 Out: 537.294 +/- 0.000 χ^2/NDF : 9499545971838204
 All: 17.045 +/- 0.000 χ^2/NDF : 2710901033181

MQ172RM_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 : 0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.0/12

Left: 0.000+/-0.000 χ^2/NDF : 189640436746987348

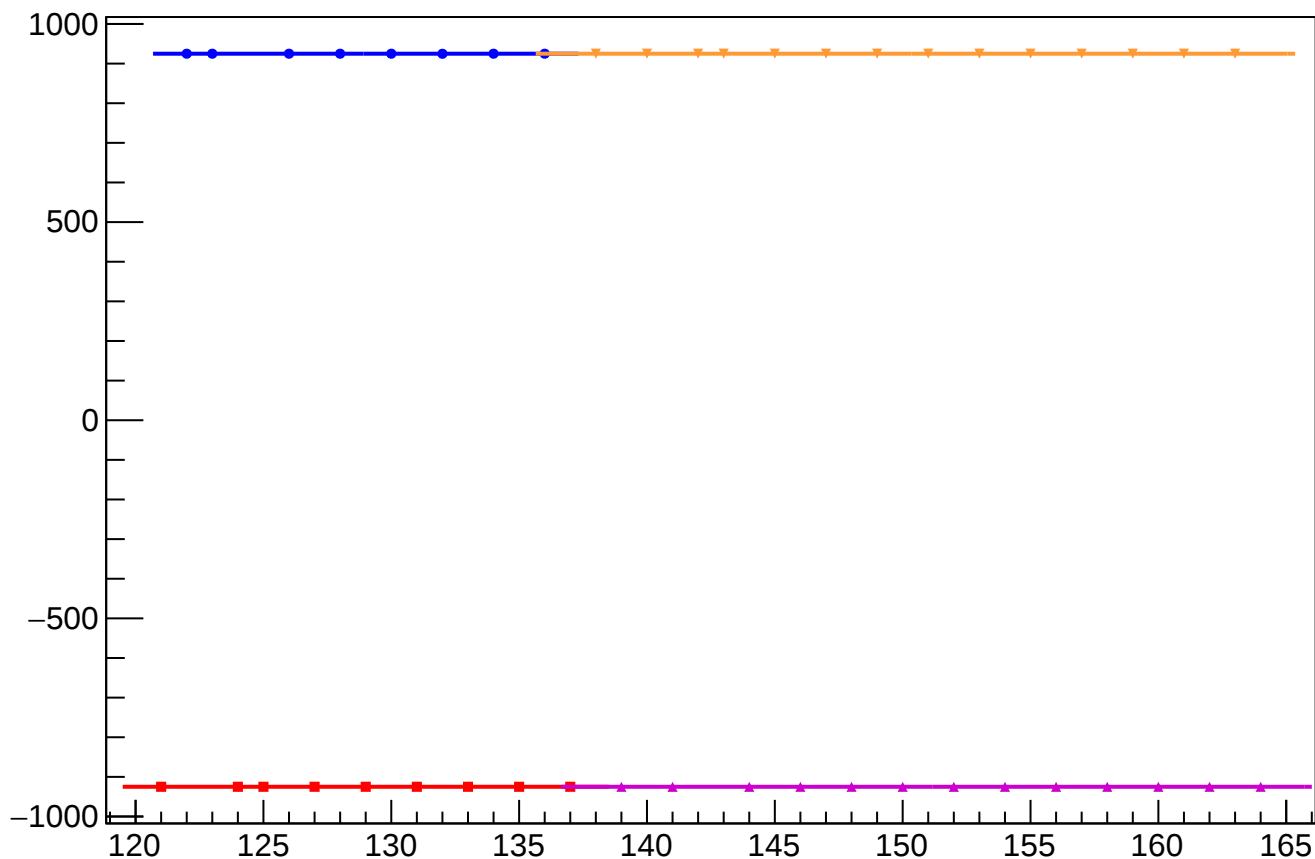
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 910297185724429636

Out: 0.005+/-0.000 χ^2/NDF : 867938297306872842

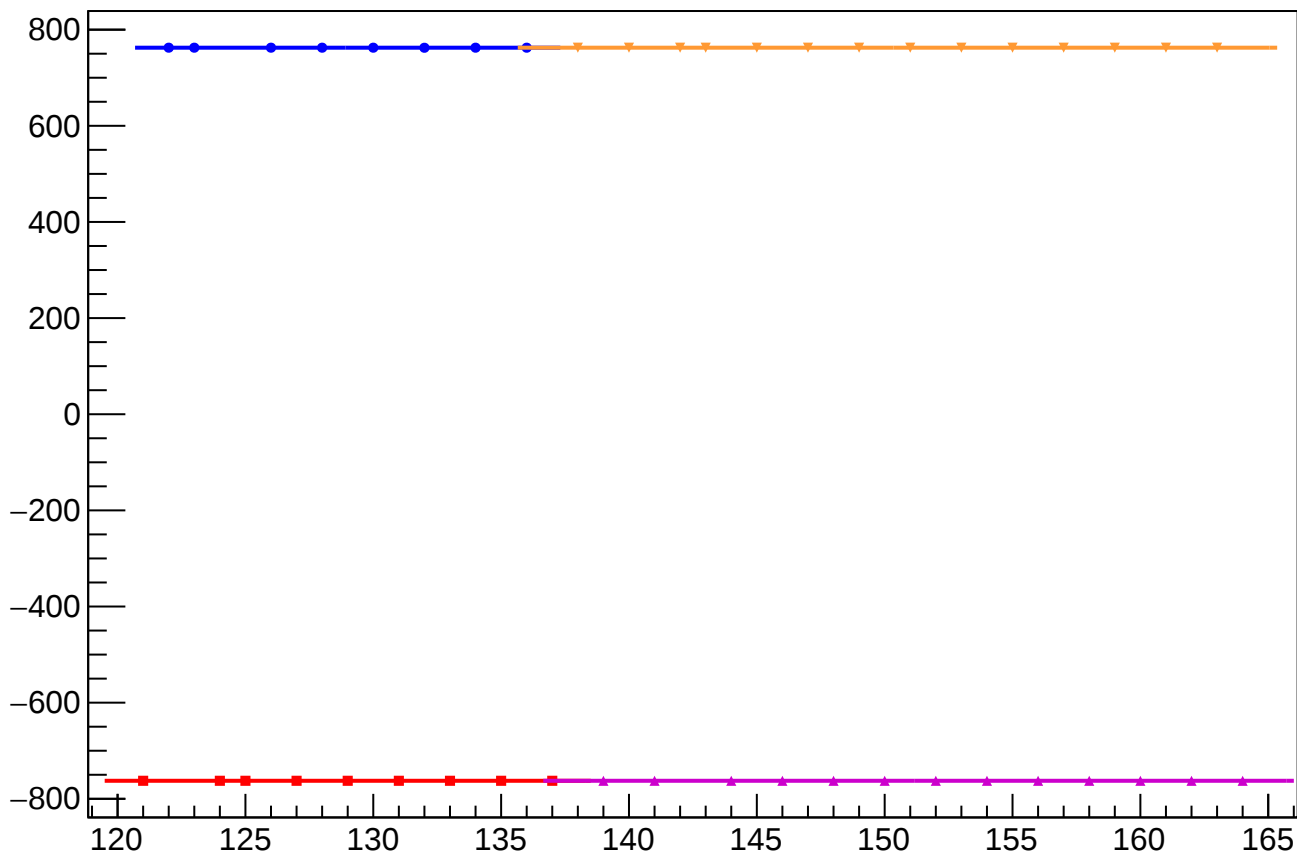
All: 0.000+/-0.000 χ^2/NDF : 24768881363073

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



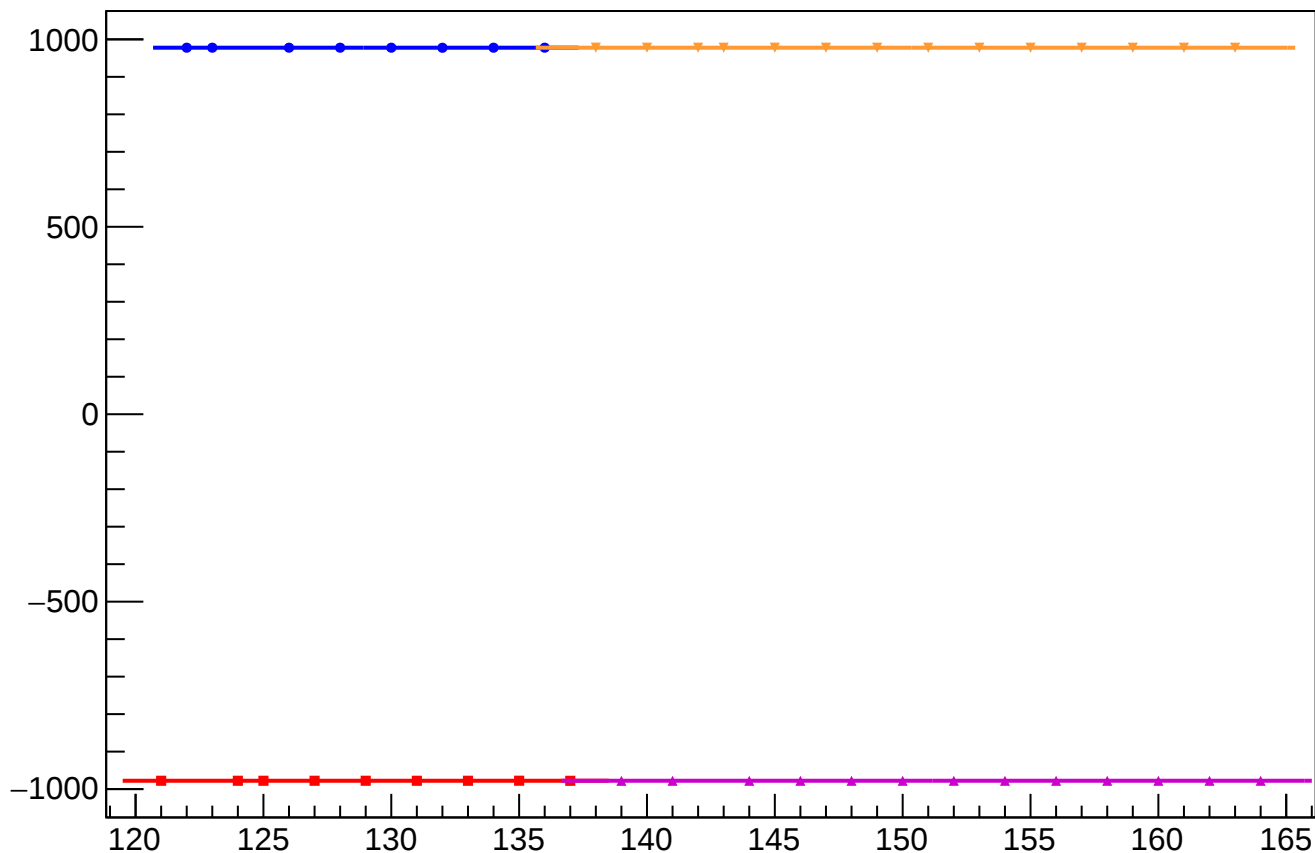
Right In: 924.939+/-0.000	χ^2/NDF : 1401458495809517406218388242432.0/7	Left: 11.144+/-0.000	χ^2/NDF : 18461261510416610
Left Out: 924.989+/-0.000	χ^2/NDF : 700023076741883835114319773696.0/13	Right: 32.175+/-0.000	χ^2/NDF : 5648201825061875
Right Out: -924.957+/-0.000	χ^2/NDF : 71808709366506786060310151168.0/8	In: -475.646+/-0.000	χ^2/NDF : 8861159079476803
Left In: -924.989+/-0.000	χ^2/NDF : 632386300836268356458531258368.0/12	Out: 506.751+/-0.000	χ^2/NDF : 8448979948465671
	All: 16.076+/-0.000		χ^2/NDF : 2411170147237

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



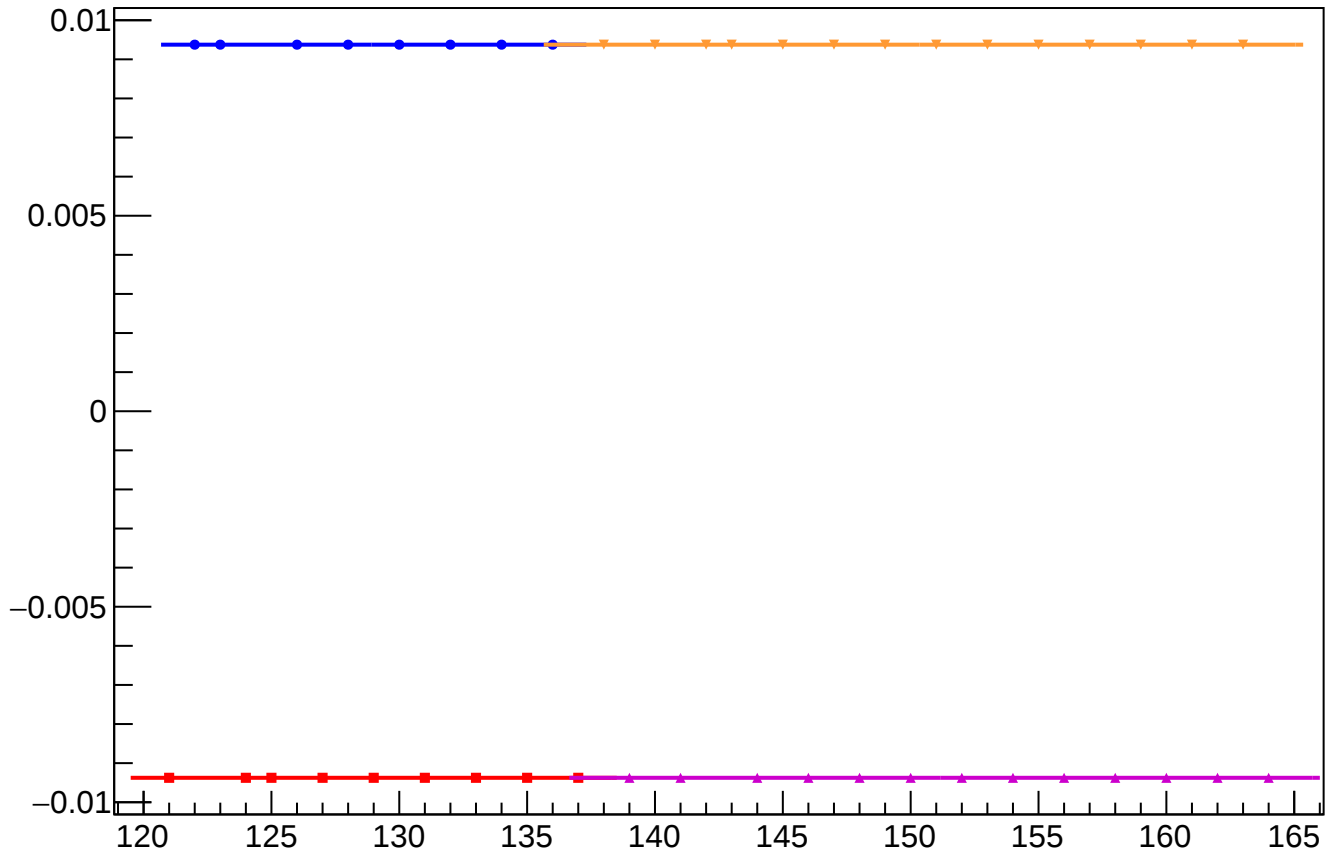
Right In: 762.484+/-0.000	χ^2/NDF : 784430761251084401798891438080.0/7	Left: 9.186+/-0.000	χ^2/NDF : 125451118917776489
Left Out: 762.505+/-0.000	χ^2/NDF : 237144156026255736646427213824.0/13	Right: 26.523+/-0.000	χ^2/NDF : 3838365691051738
Right Out: -762.501+/-0.000	χ^2/NDF : 469794702848036819563446272.0/8	In: -392.090+/-0.000	χ^2/NDF : 6021638306084806
Left In: -762.506+/-0.000	χ^2/NDF : 215201935229639697930519576576.0/12	Out: 417.730+/-0.000	χ^2/NDF : 5741553994433340
		All: 13.251+/-0.000	χ^2/NDF : 1638499844258

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000	χ^2/NDF : 1738104571804792841781326643200.0/7	Left: 11.782+/-0.000	χ^2/NDF : 20627046093424600.0/7
Left Out: 977.744+/-0.000	χ^2/NDF : 975425008830335686262021685248.0/13	Right: 34.023+/-0.000	χ^2/NDF : 6311333196839596.0/13
Right Out: -977.737+/-0.000	χ^2/NDF : 772313054358211830610902646784.0/8	In: -502.758+/-0.000	χ^2/NDF : 9901196882933532.0/8
Left In: -977.740+/-0.000	χ^2/NDF : 863753888409015974068611973120.0/12	Out: 535.648+/-0.000	χ^2/NDF : 9440471433094587.0/12
	All: 16.997+/-0.000		χ^2/NDF : 2694088227069.0/12

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 : 0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.0/12

Left: 0.000+/-0.000 χ^2/NDF : 189640436746987348

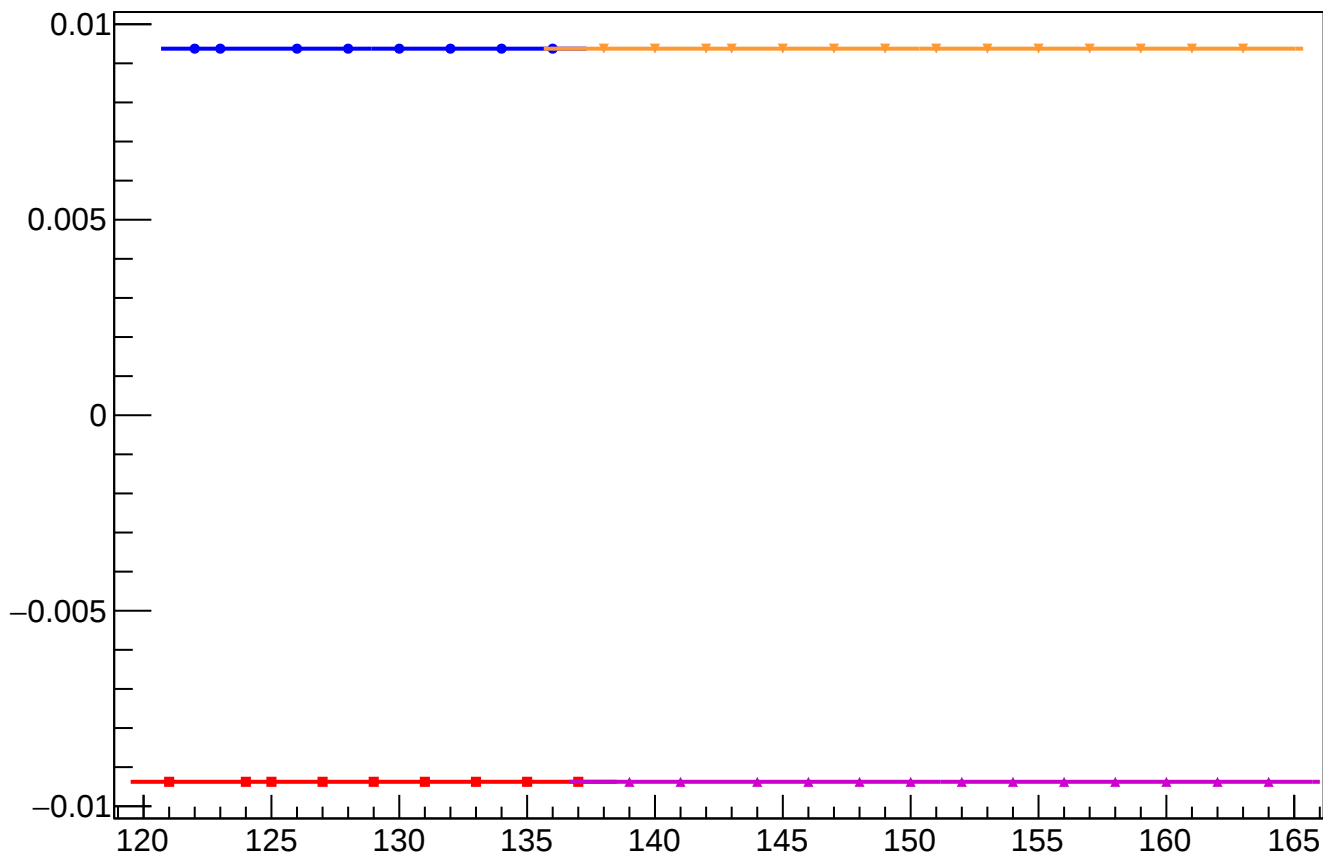
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 910297185724429636

Out: 0.005+/-0.000 χ^2/NDF : 867938297306872842

All: 0.000+/-0.000 χ^2/NDF : 24768881363071

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.0/12

Left: 0.000+/-0.000 χ^2/NDF : 189640436746987348

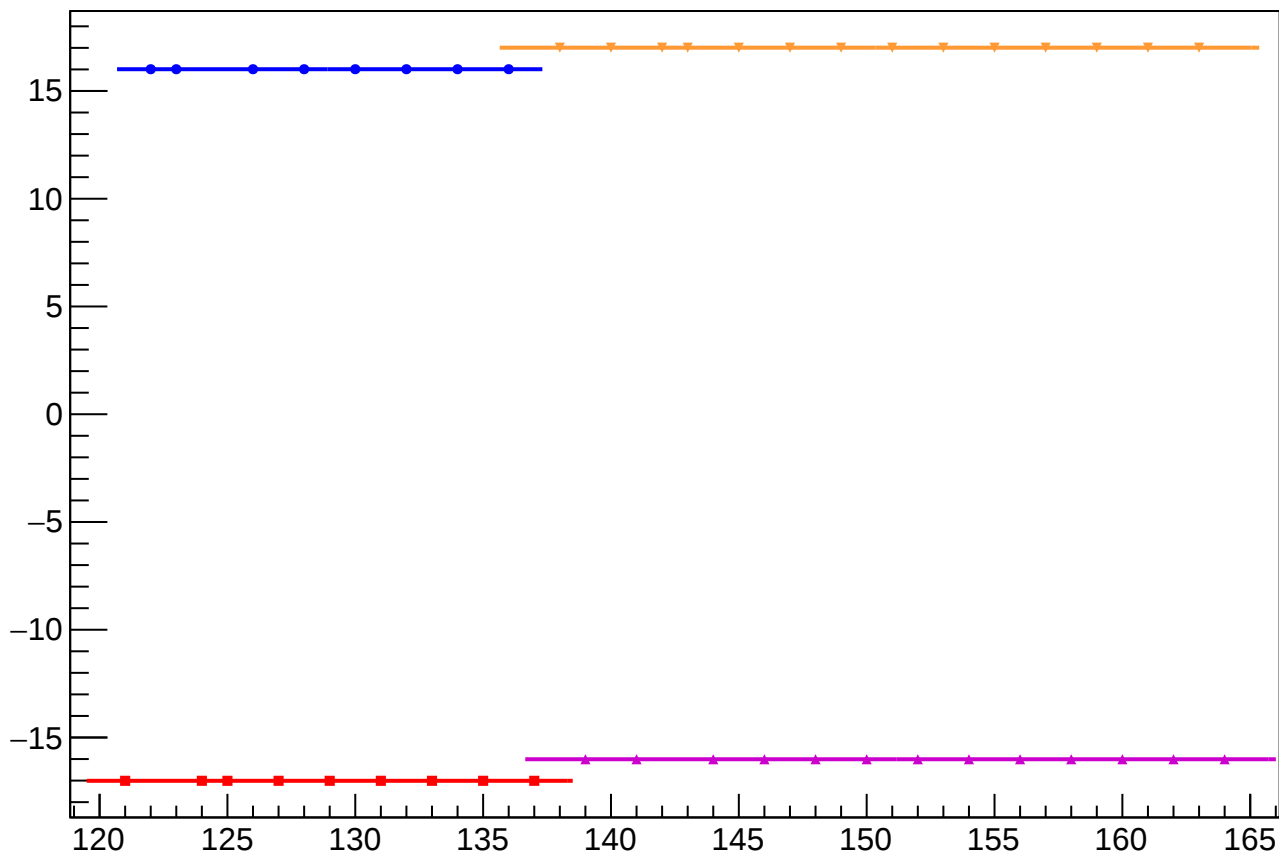
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 910297185724429636

Out: 0.005+/-0.000 χ^2/NDF : 867938297306872842

All: 0.000+/-0.000 χ^2/NDF : 24768881363073

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 13483818070691772654157824.0/13

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 56861.1/12

Left: 0.492+/-0.000 χ^2/NDF : 539390806691427889

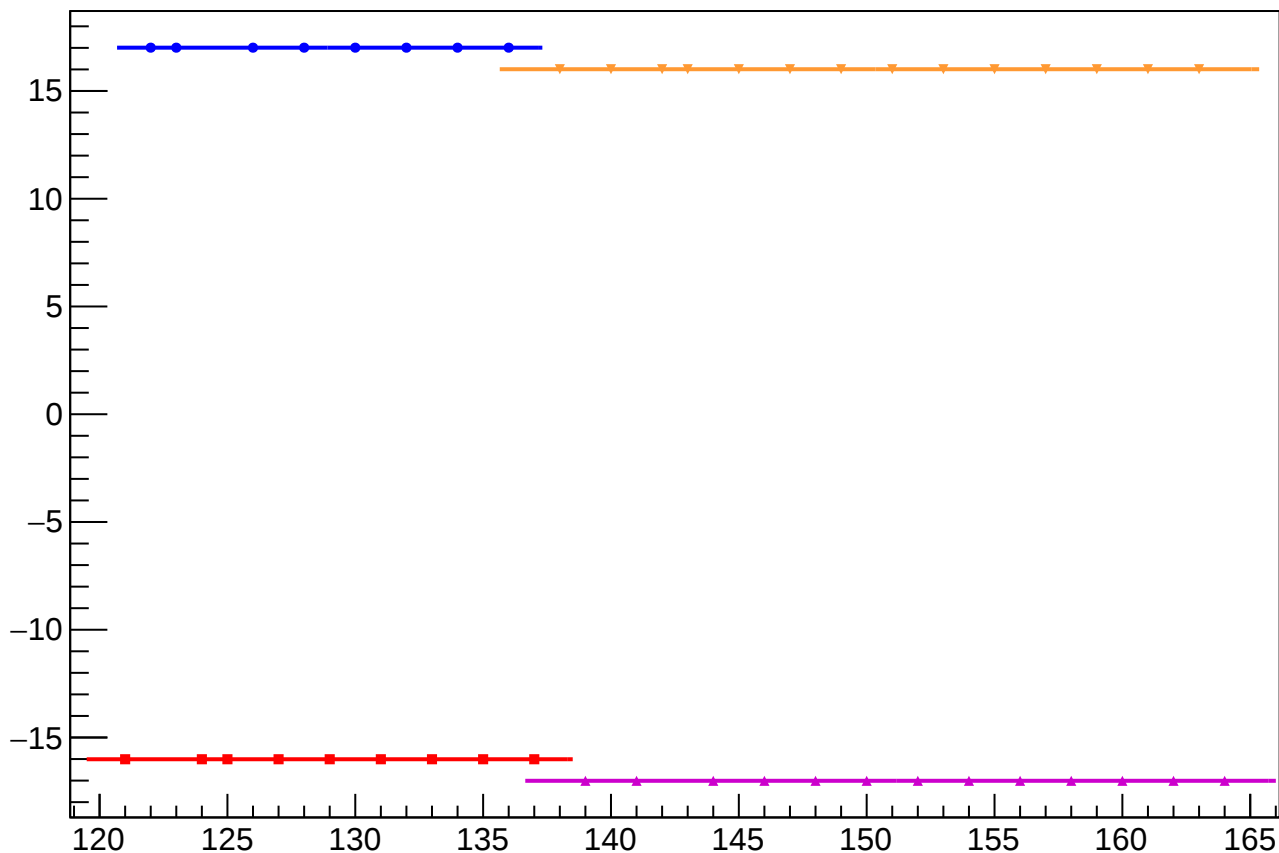
Right: -0.126+/-0.000 χ^2/NDF : 1683539334964133

In: -8.262+/-0.000 χ^2/NDF : 245577088807666910

Out: 9.051+/-0.000 χ^2/NDF : 267736112515710852

All: 0.345+/-0.000 χ^2/NDF : 70792432775453

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 : 53983.3/13

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: -17.009+/-0.000 χ^2/NDF : 31302.0/12

Left: -0.205+/-0.000 χ^2/NDF : 58036687855589784

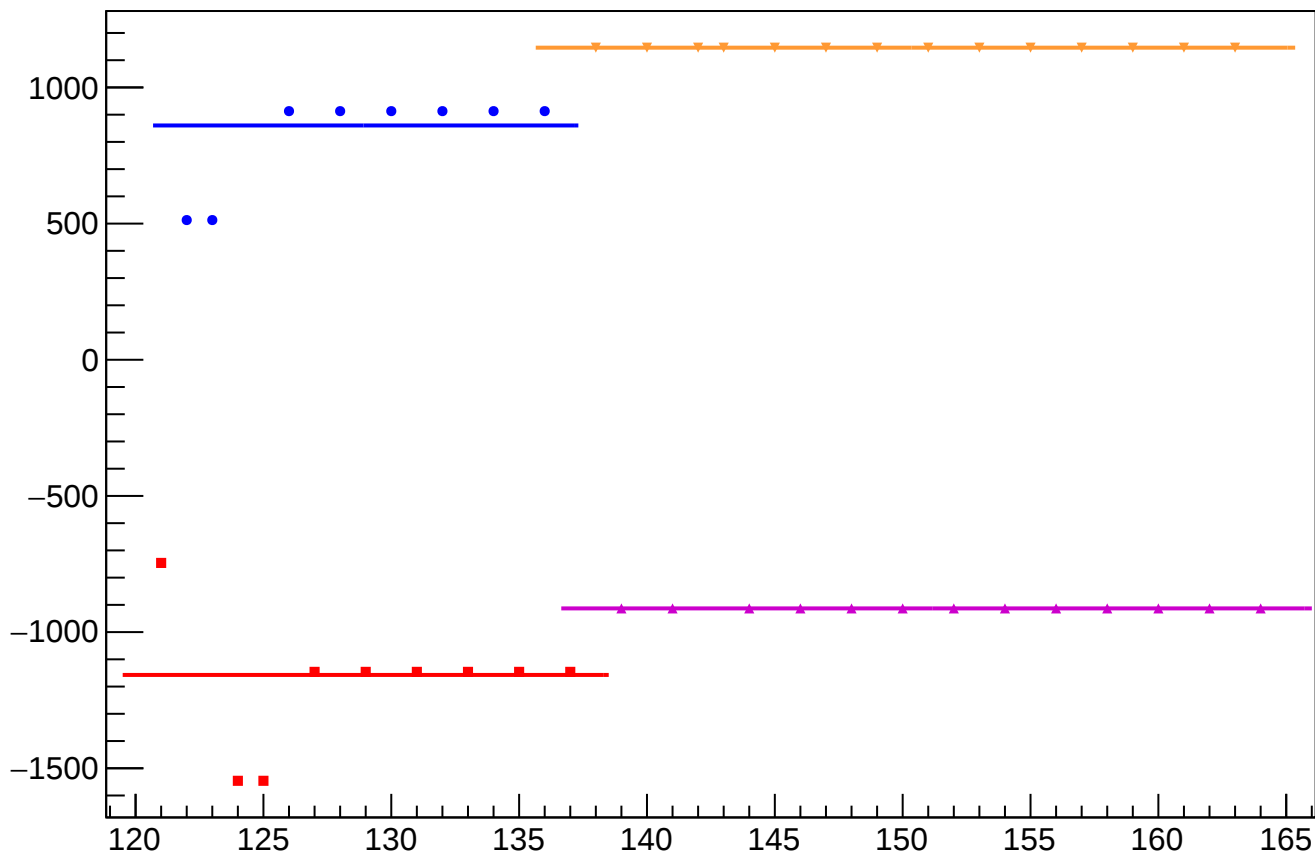
Right: 1.074+/-0.000 χ^2/NDF : 17994367493156690

In: -8.627+/-0.000 χ^2/NDF : 298266877568556013

Out: 8.729+/-0.000 χ^2/NDF : 252680100334217233

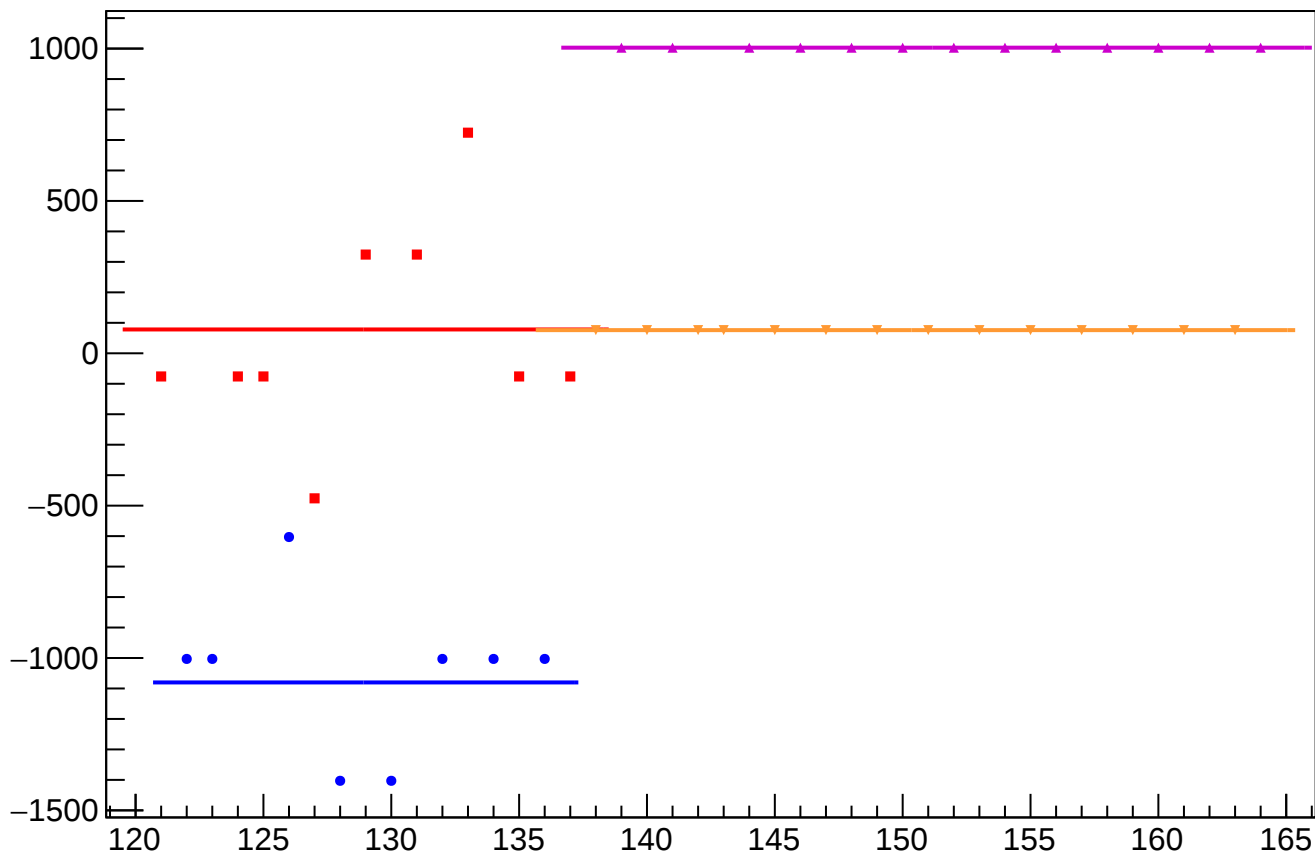
All: 0.098+/-0.000 χ^2/NDF : 76113695065850

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 : 3914954058934147058554109952.0/13
 Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8
 Left In: -912.995+/-0.000 χ^2/NDF : 17126628652444717315885367296.0/12
 All: 72.103+/-0.000 χ^2/NDF : 3008622662104

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 : 8804602533957945597624320000.0/13

Right Out: 78.224+/-0.000

χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.990+/-0.000

χ^2/NDF : 1391870443526787827517882368.0/12

Left: 533.916+/-0.000 χ^2/NDF : 4635189626322820

Right: -521.133+/-0.000 χ^2/NDF : 28273431193063

In: 496.992+/-0.000 χ^2/NDF : 11452907721814187

Out: 76.512+/-0.000 χ^2/NDF : 39612474387074610

All: 286.528+/-0.000 χ^2/NDF : 13095055384