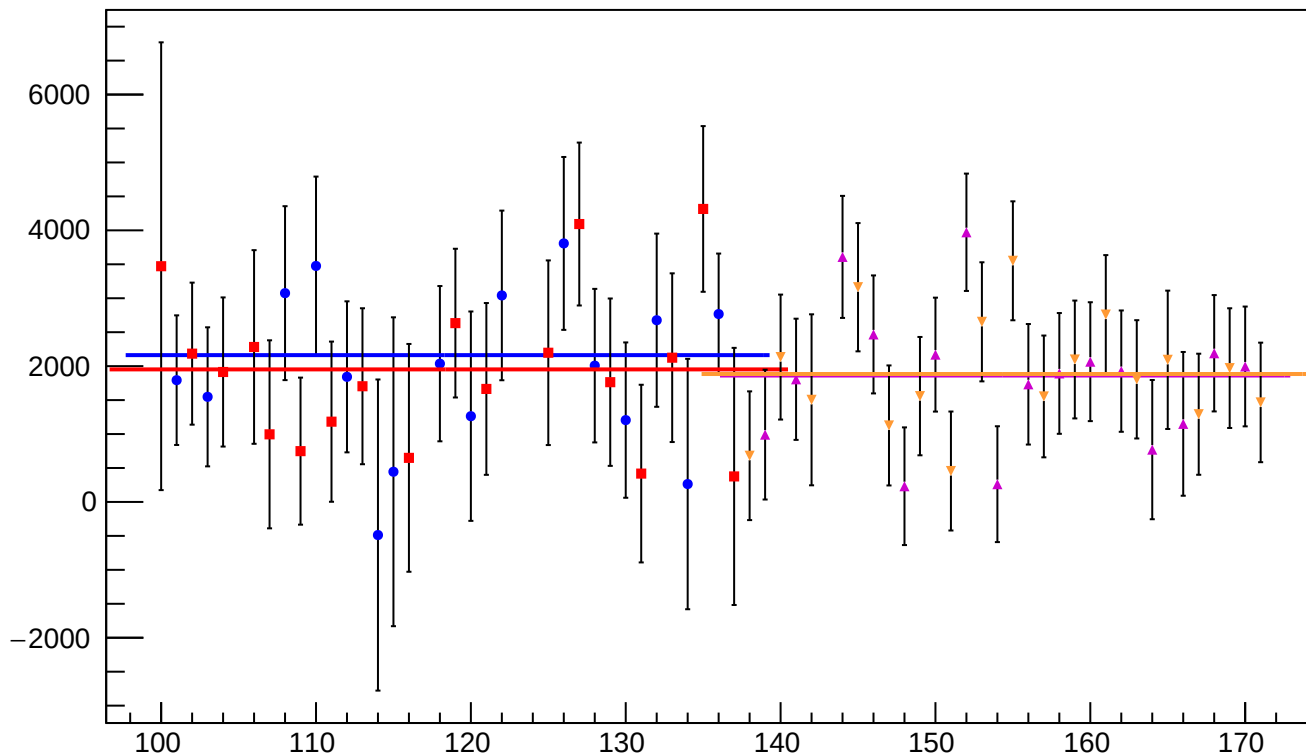


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

Left Out: 1884.207+/-220.651

Right Out: 1952.148+/-300.581

Left In: 1861.976+/-223.832

χ^2/NDF : 8.9/15

χ^2/NDF :13.5/16

χ^2/NDF : 12.6/17

χ^2/NDF :20.1/15

Left: 1873.250+/-157.136

Right: 2054.903+/-214.883

In: 1966.078+/-180.928

Out: 1907.998+/-177.870

All: 1936.543+/-126.841

χ^2/NDF : 33.5/32

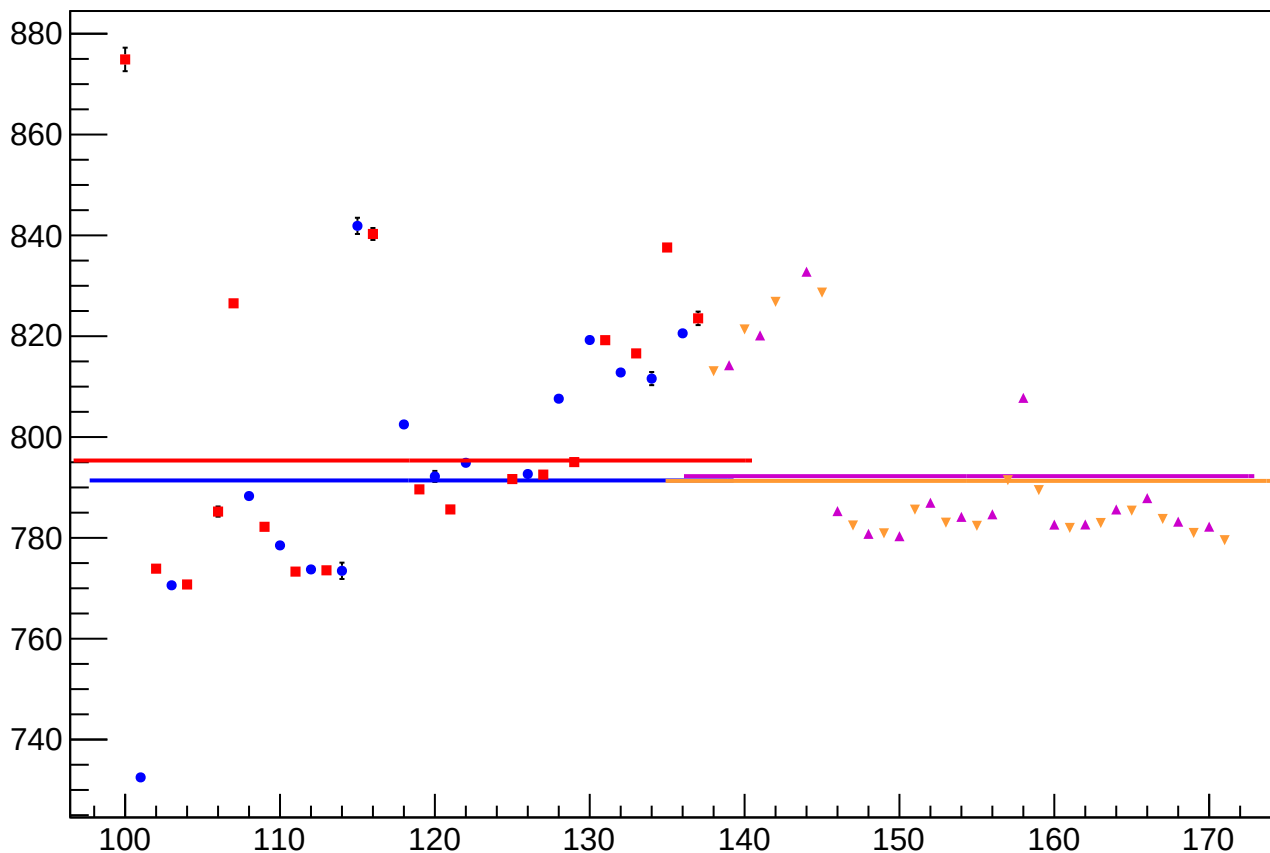
χ^2/NDF : 21.8/33

χ^2/NDF :29.6/31

χ^2/NDF :26.1/34

χ^2/NDF : 55.8/66

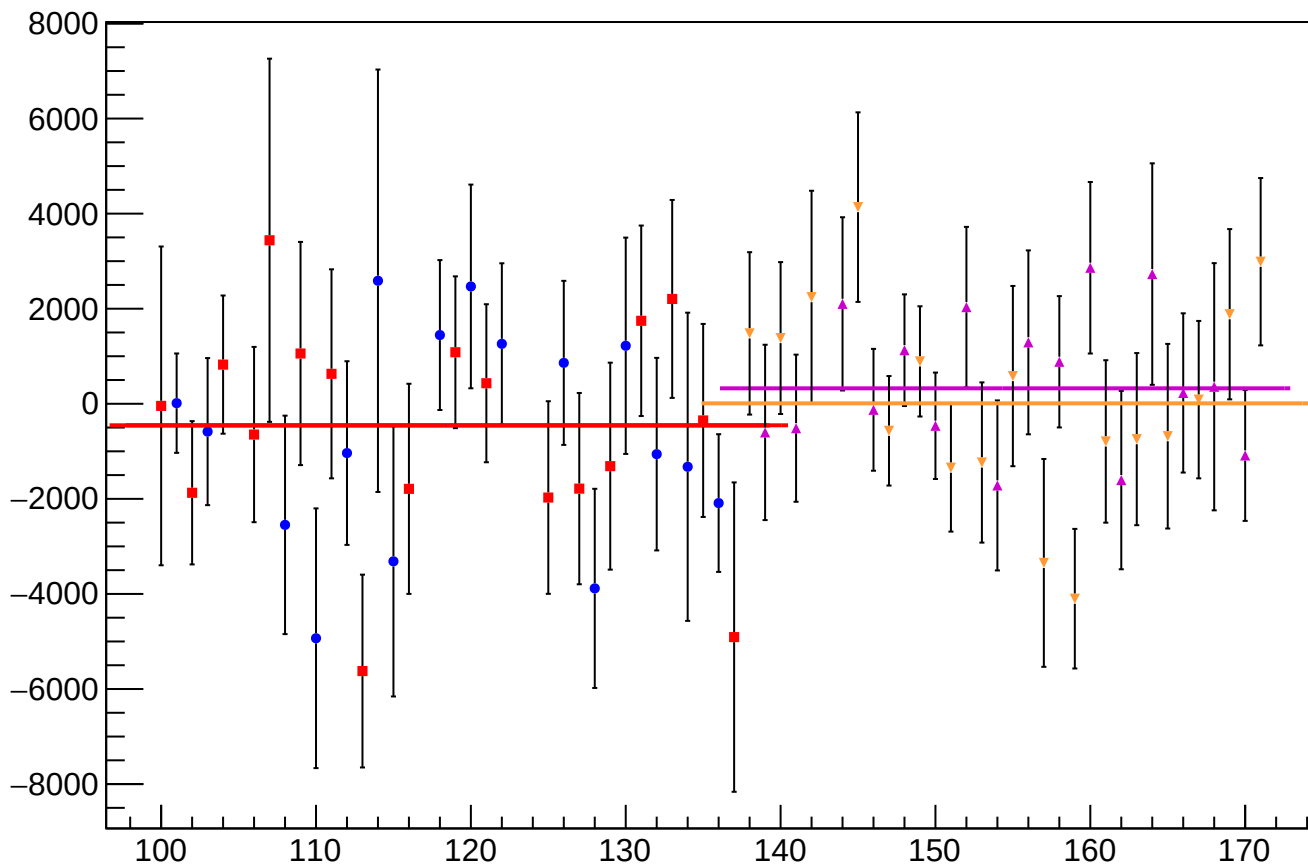
reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 791.390 $\pm$ 0.217 χ^2/NDF : 15008.3/15
 Left Out: 791.301 $\pm$ 0.156 χ^2/NDF :10118.6/16
 Right Out: 795.345 $\pm$ 0.213 χ^2/NDF : 11559.8/17
 Left In: 792.245 $\pm$ 0.158 χ^2/NDF :10043.0/15

Left: 791.766 $\pm$ 0.111 χ^2/NDF : 20179.6/32
 Right: 793.411 $\pm$ 0.152 χ^2/NDF : 26737.3/33
 In: 791.948 $\pm$ 0.128 χ^2/NDF :25061.4/31
 Out: 792.717 $\pm$ 0.126 χ^2/NDF :21913.5/34
 All: 792.339 $\pm$ 0.090 χ^2/NDF : 46993.2/66

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 9.299 ± 393.705 χ^2/NDF : 23.9/16

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

Left In: 325.031 ± 395.040 χ^2/NDF : 10.5/15

Left: 166.631 ± 278.862 χ^2/NDF : 34.7/32

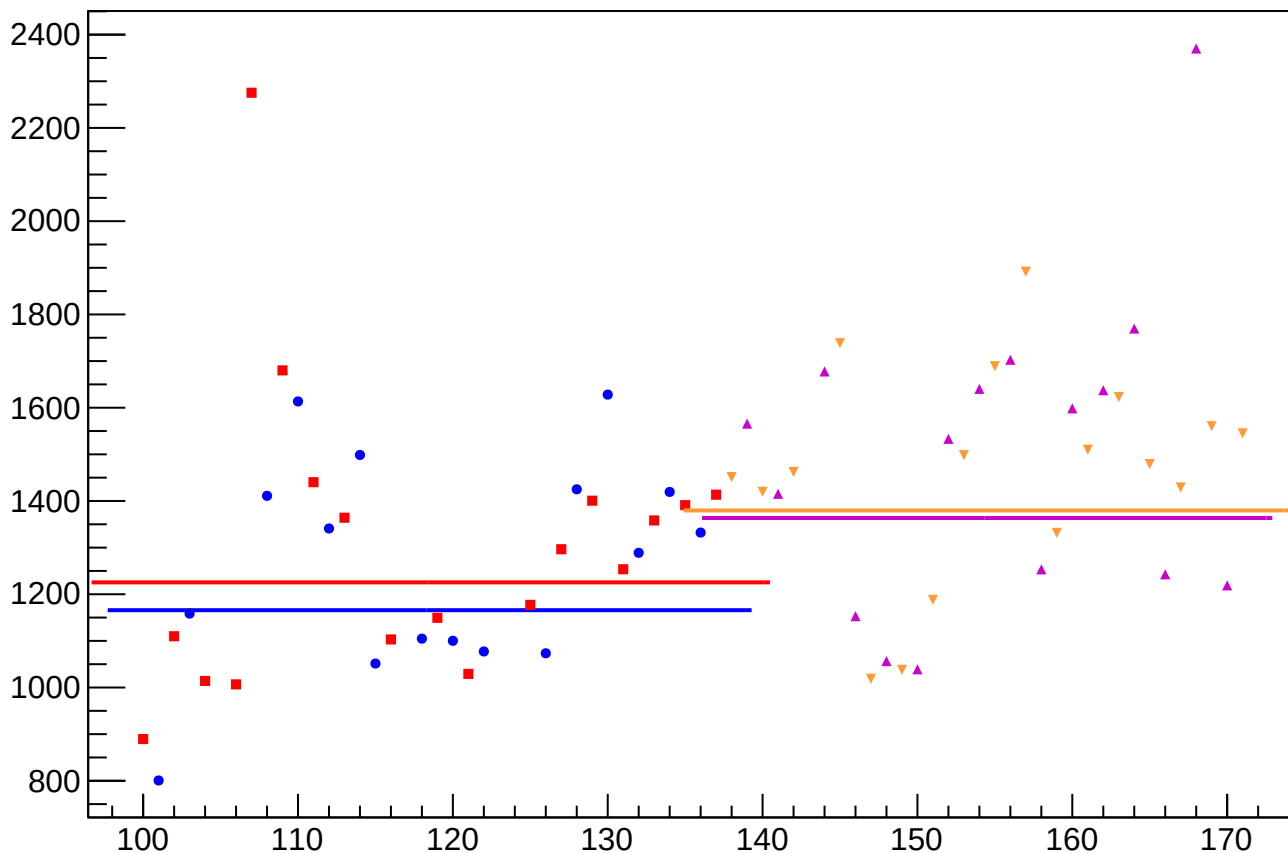
Right: -454.187 ± 331.236 χ^2/NDF : 32.2/33

In: -2.862 ± 300.855 χ^2/NDF : 27.0/31

Out: -179.873 ± 302.535 χ^2/NDF : 41.8/34

All: -90.875 ± 213.328 χ^2/NDF : 69.0/66

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1165.812+/-0.328 χ^2/NDF : 526801.3/15

Left Out: 1379.712+/-0.278 χ^2/NDF : 750509.7/16

Right Out: 1225.448+/-0.334 χ^2/NDF : 440420.8/17

Left In: 1363.464+/-0.279 χ^2/NDF : 1056470.2/15

Left: 1371.616+/-0.197 χ^2/NDF : 1808677.4/32

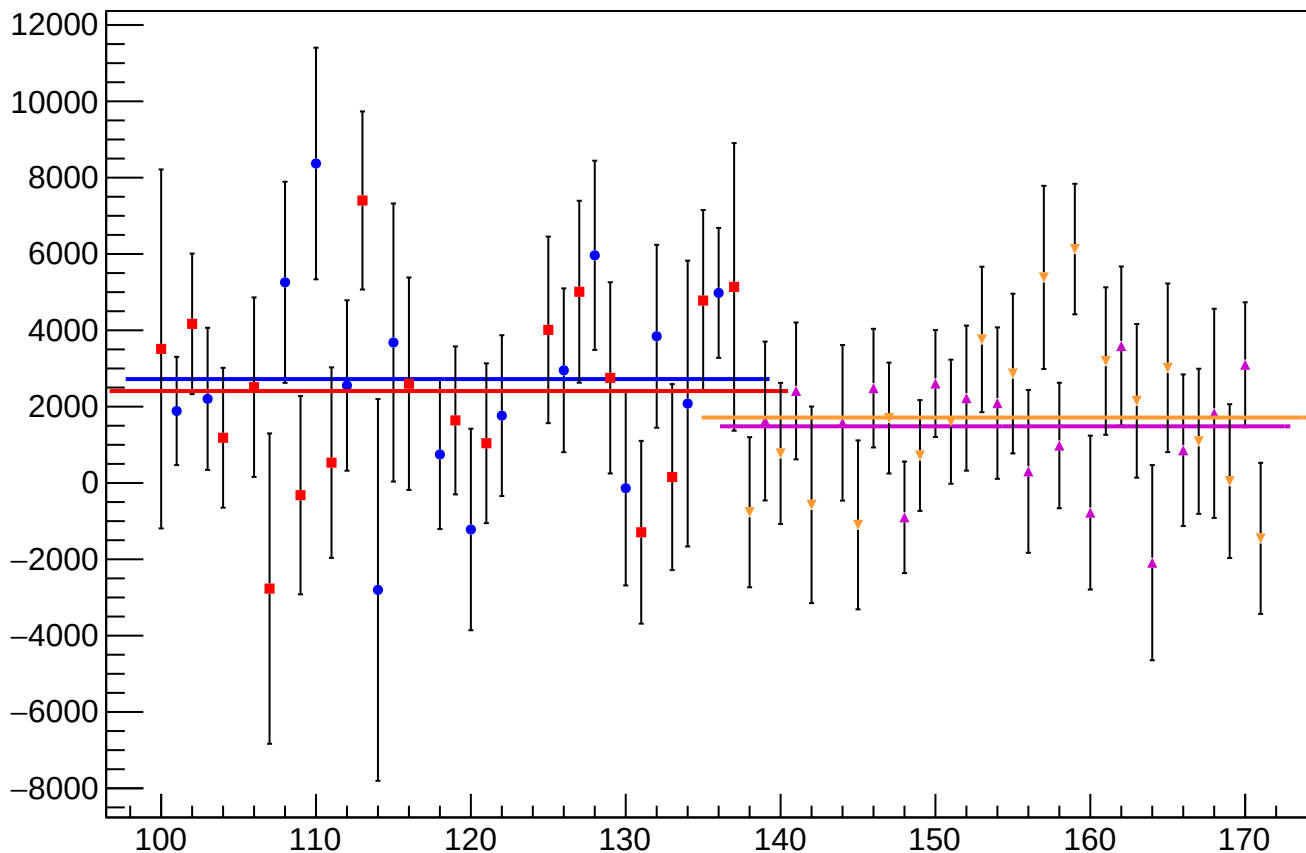
Right: 1195.087+/-0.234 χ^2/NDF : 983424.3/33

In: 1280.451+/-0.213 χ^2/NDF : 1793549.9/31

Out: 1316.539+/-0.214 χ^2/NDF : 1316674.3/34

All: 1298.395+/-0.151 χ^2/NDF : 3124532.4/66

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1714.763+/-458.870 χ^2/NDF : 19.5/16

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

Left In: 1484.199+/-462.035 χ^2/NDF : 10.0/15

Left: 1600.273+/-325.583 χ^2/NDF : 29.6/32

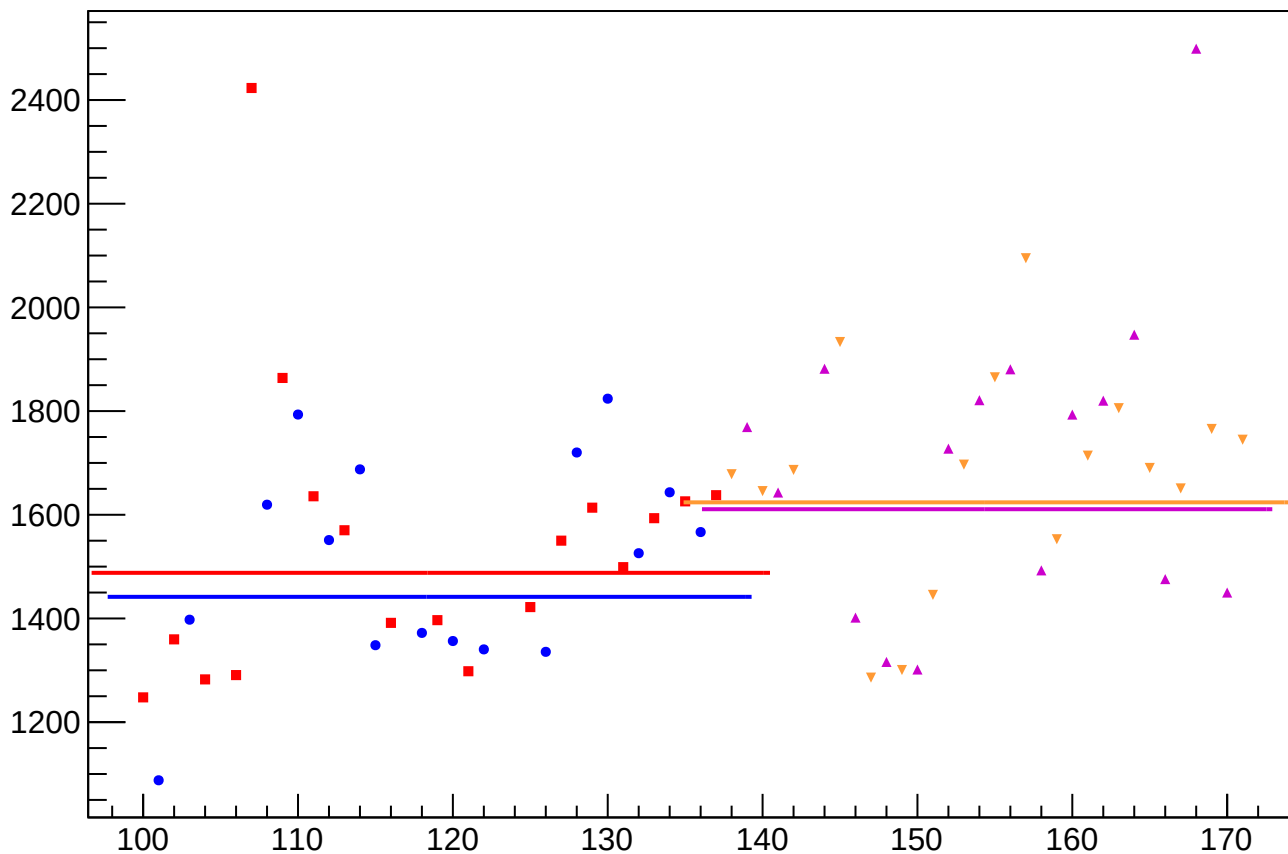
Right: 2565.881+/-401.681 χ^2/NDF : 31.0/33

In: 1978.103+/-358.214 χ^2/NDF : 27.4/31

Out: 1988.137+/-357.185 χ^2/NDF : 36.7/34

All: 1983.134+/-252.931 χ^2/NDF : 64.1/66

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1623.968+/-0.324 χ^2/NDF : 423733.5/16

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

Left In: 1610.719+/-0.327 χ^2/NDF : 644745.4/15

Left: 1617.389+/-0.230 χ^2/NDF : 1069306.8/32

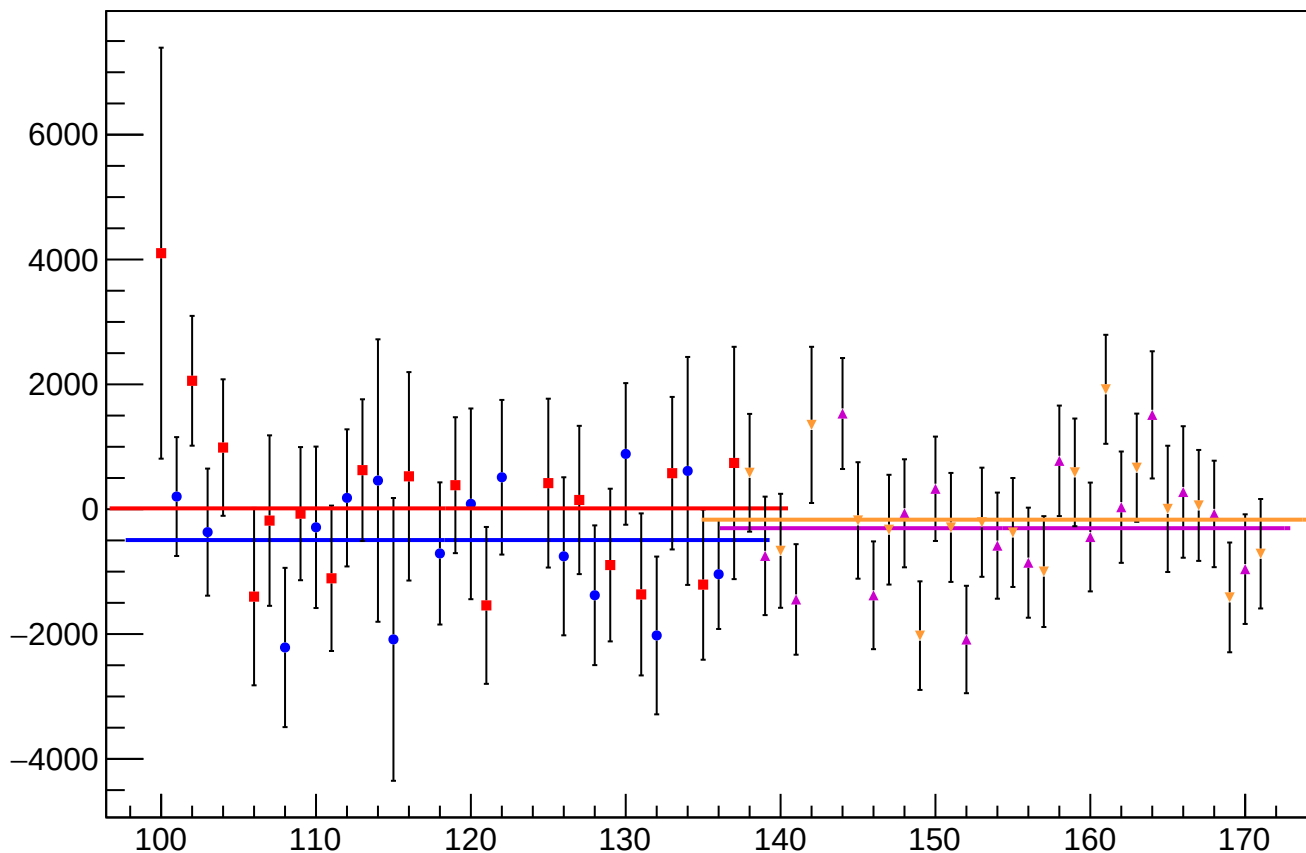
Right: 1464.799+/-0.284 χ^2/NDF : 538687.7/33

In: 1543.303+/-0.253 χ^2/NDF : 1027388.9/31

Out: 1570.394+/-0.253 χ^2/NDF : 749050.5/34

All: 1556.887+/-0.179 χ^2/NDF : 1782175.8/66

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -167.538 ± 219.518 χ^2/NDF : 17.9/16

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

Left In: -304.132 ± 222.688 χ^2/NDF : 18.9/15

Left: -234.856 ± 156.331 χ^2/NDF : 37.0/32

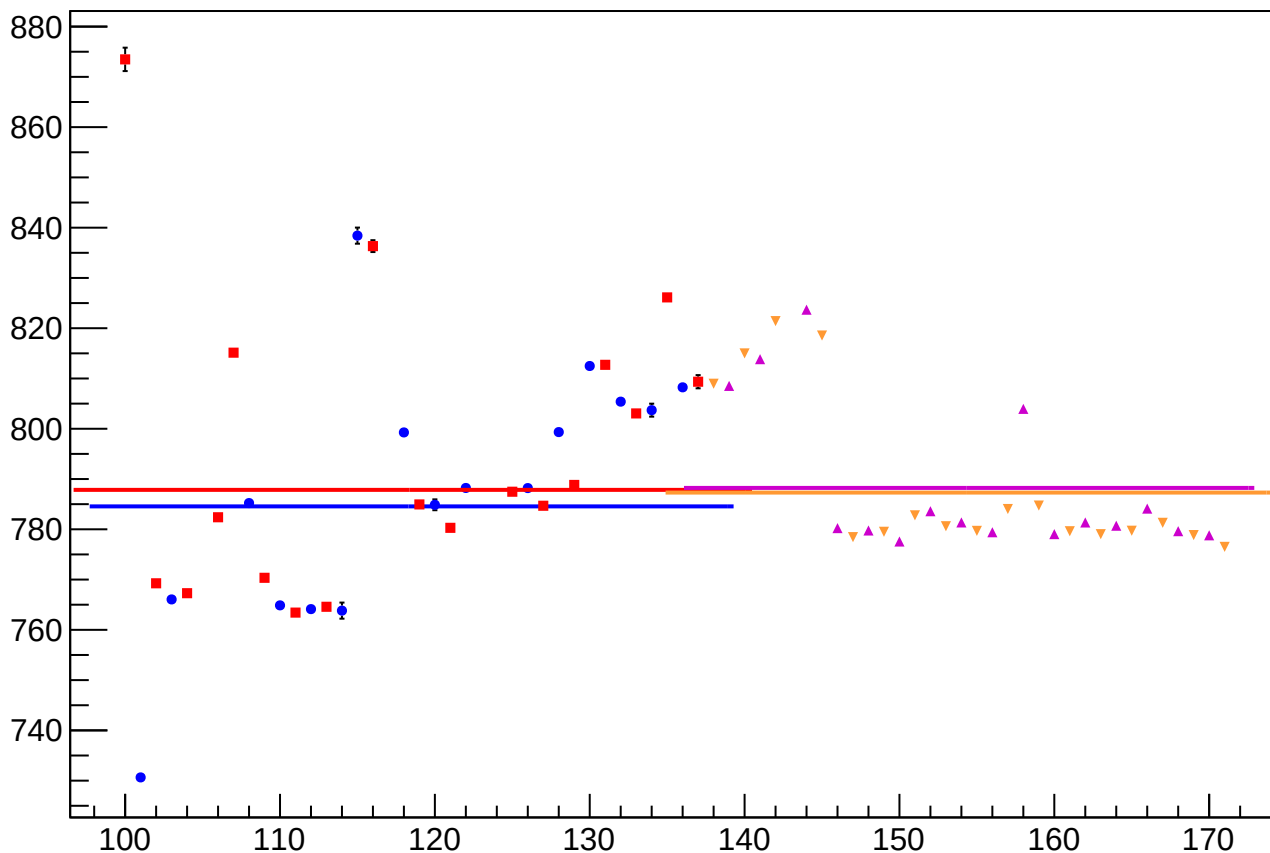
Right: -234.534 ± 212.932 χ^2/NDF : 23.4/33

In: -370.331 ± 179.778 χ^2/NDF : 27.8/31

Out: -103.779 ± 176.687 χ^2/NDF : 31.4/34

All: -234.743 ± 126.015 χ^2/NDF : 60.4/66

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 787.306 $\pm$ 0.155 χ^2/NDF : 8384.3/16

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

Left In: 788.233 $\pm$ 0.157 χ^2/NDF : 8391.7/15

Left: 787.763 $\pm$ 0.111 χ^2/NDF : 16793.6/32

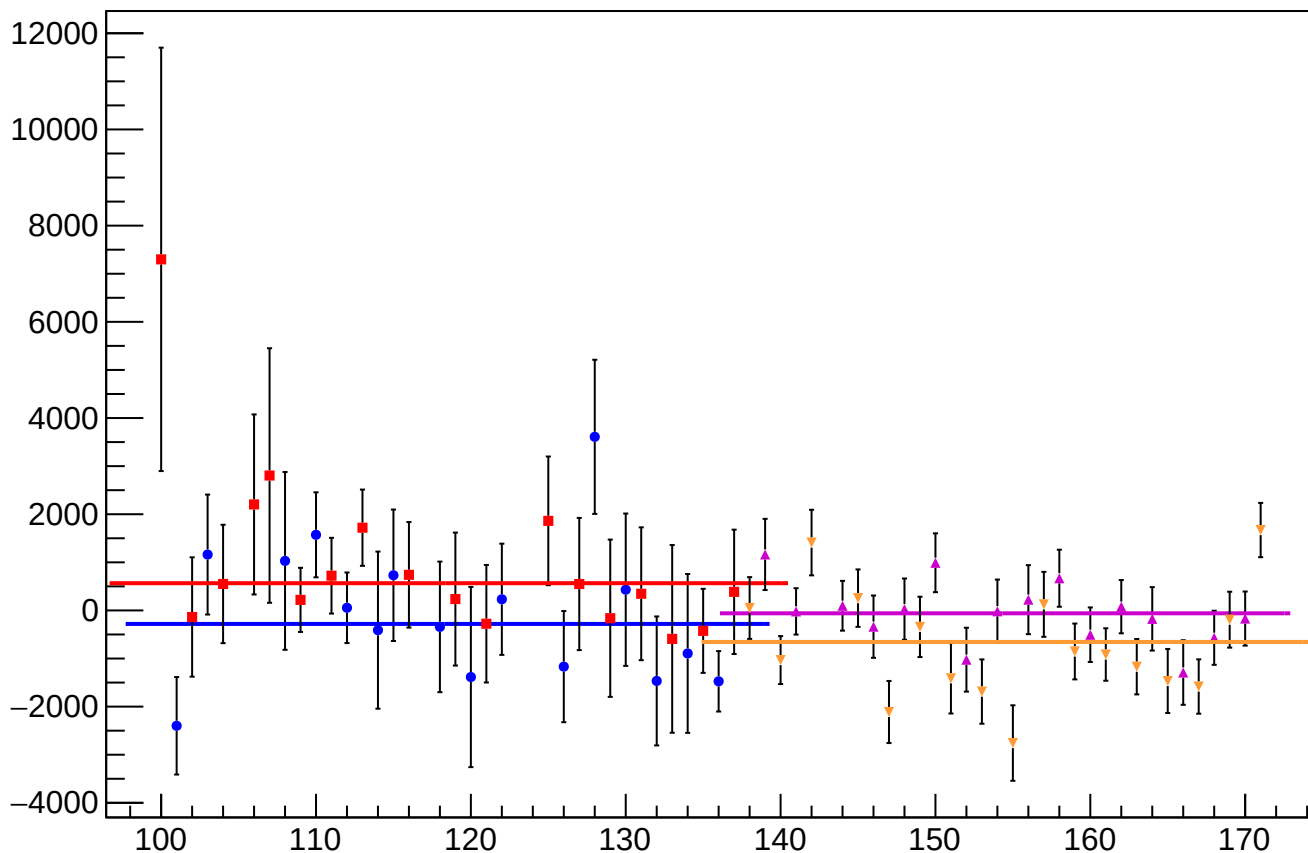
Right: 786.239 $\pm$ 0.151 χ^2/NDF : 24705.7/33

In: 786.953 $\pm$ 0.127 χ^2/NDF : 22259.0/31

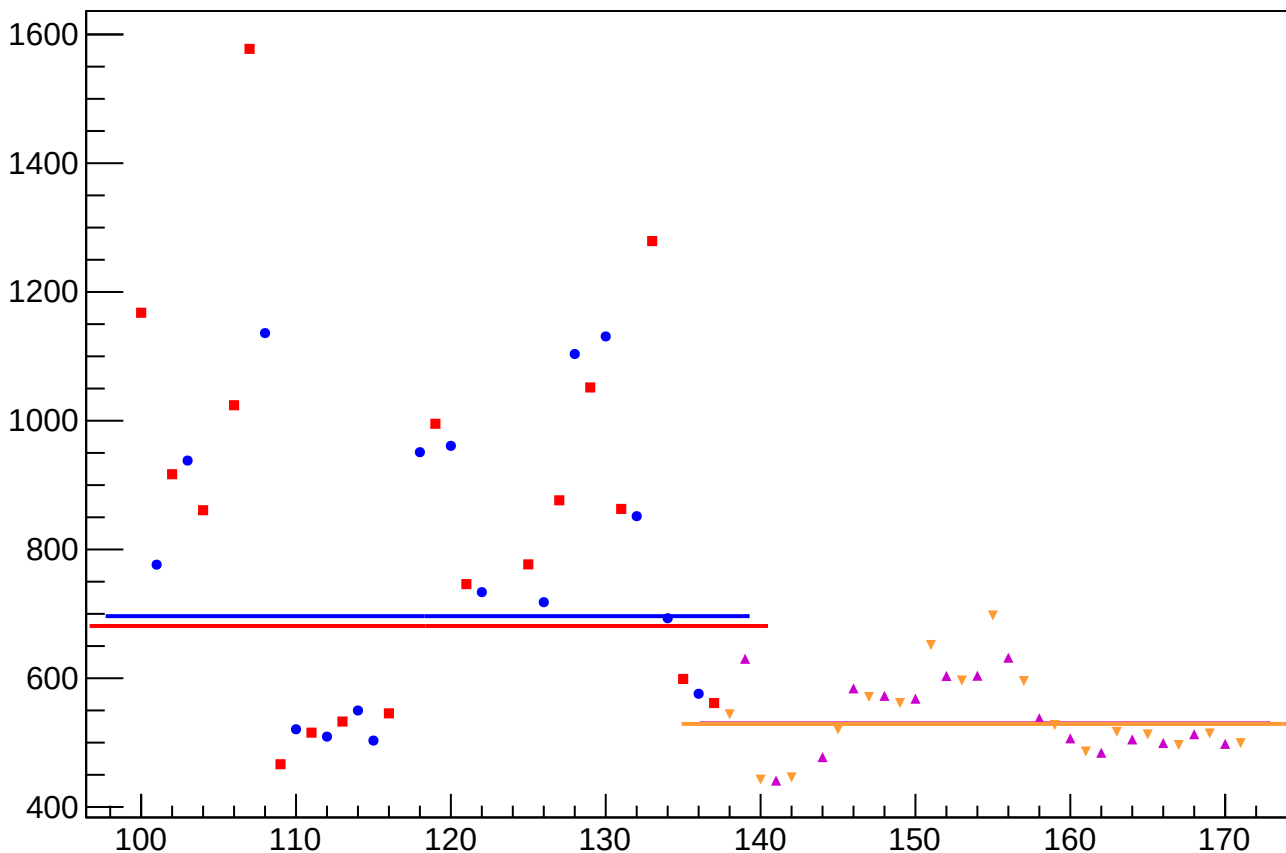
Out: 787.496 $\pm$ 0.125 χ^2/NDF : 19297.6/34

All: 787.229 $\pm$ 0.089 χ^2/NDF : 41565.9/66

asym_us_dd_correction_mean vs Slug, Sign Corrected



asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 696.462 ± 0.200 $\chi^2/\text{NDF}: 959490.0/15$

Left Out: 529.101 ± 0.105 $\chi^2/\text{NDF}: 321554.5/16$

Right Out: 681.127 ± 0.193 $\chi^2/\text{NDF}: 1352555.6/17$

Left In: 529.960 ± 0.107 $\chi^2/\text{NDF}: 278809.8/15$

Left: 529.525 ± 0.075 $\chi^2/\text{NDF}: 600397.1/32$

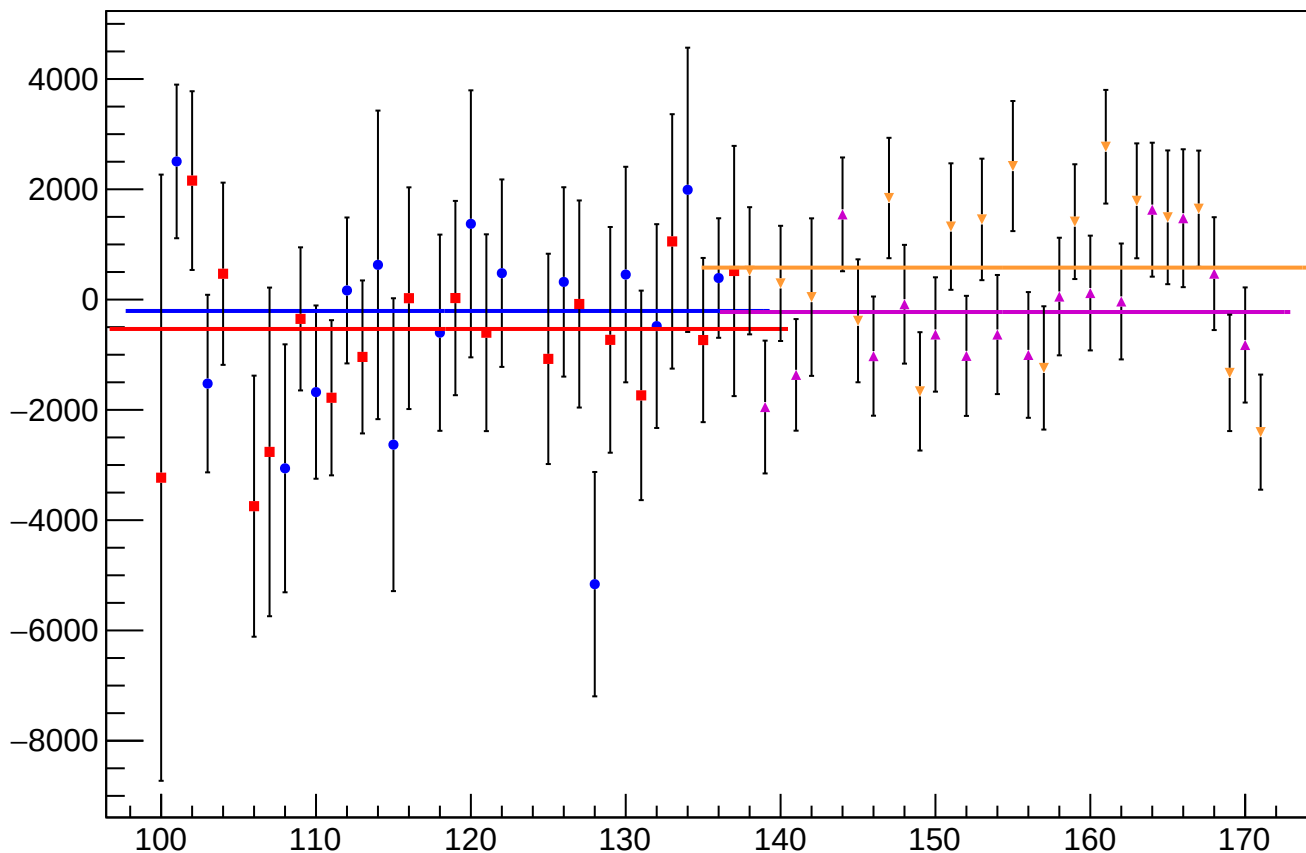
Right: 688.529 ± 0.139 $\chi^2/\text{NDF}: 2315094.2/33$

In: 566.901 ± 0.094 $\chi^2/\text{NDF}: 1778906.4/31$

Out: 563.979 ± 0.092 $\chi^2/\text{NDF}: 2152436.6/34$

All: 565.414 ± 0.066 $\chi^2/\text{NDF}: 3931833.7/66$

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 579.799 ± 267.693 χ^2/NDF : 32.4/16

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

Left In: -225.358 ± 270.946 χ^2/NDF : 13.3/15

Left: 182.083 ± 190.427 χ^2/NDF : 50.1/32

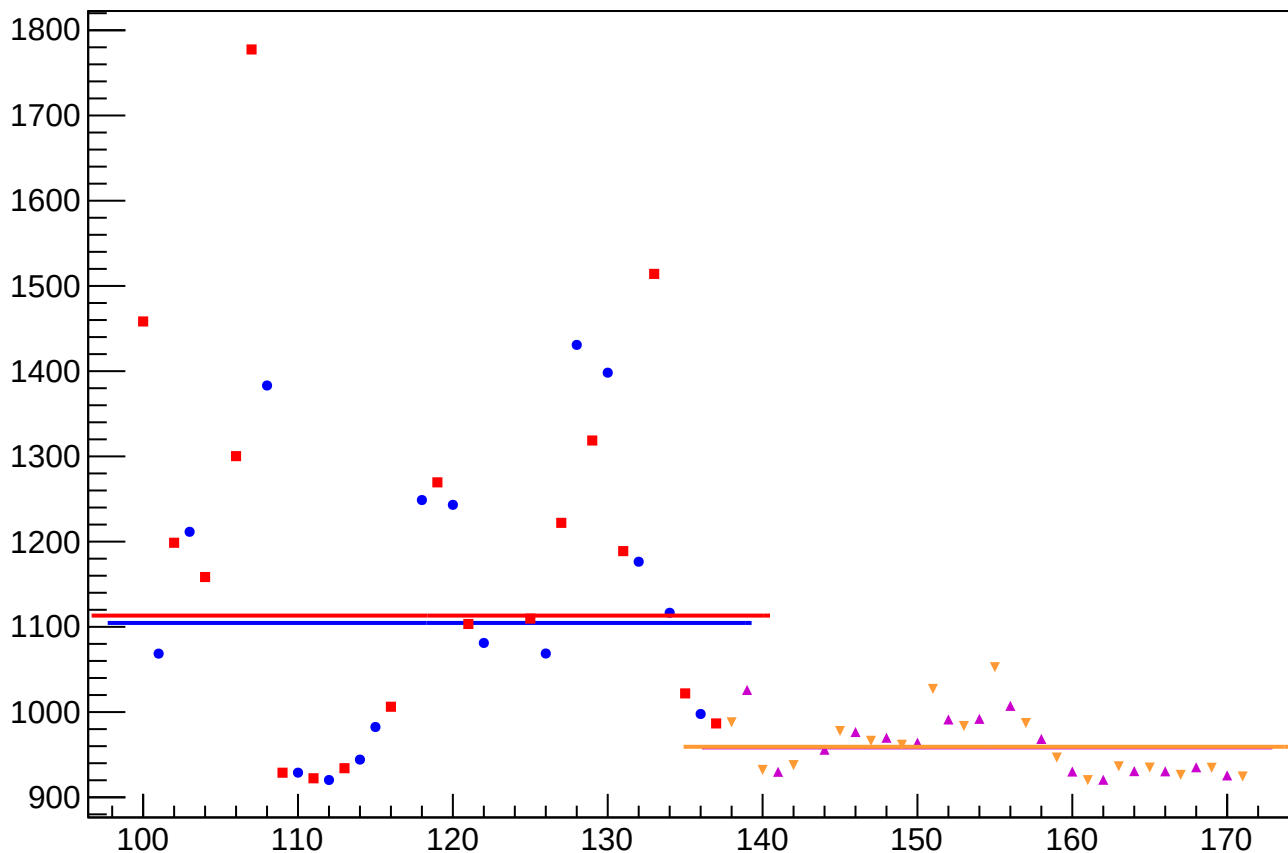
Right: -372.131 ± 304.348 χ^2/NDF : 24.2/33

In: -220.033 ± 229.801 χ^2/NDF : 29.1/31

Out: 266.018 ± 226.827 χ^2/NDF : 45.4/34

All: 26.158 ± 161.432 χ^2/NDF : 76.7/66

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 959.271 $\pm$ 0.189 χ^2/NDF : 35665.5/16

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

Left In: 958.513 $\pm$ 0.192 χ^2/NDF : 25459.8/15

Left: 958.896 $\pm$ 0.135 χ^2/NDF : 61133.3/32

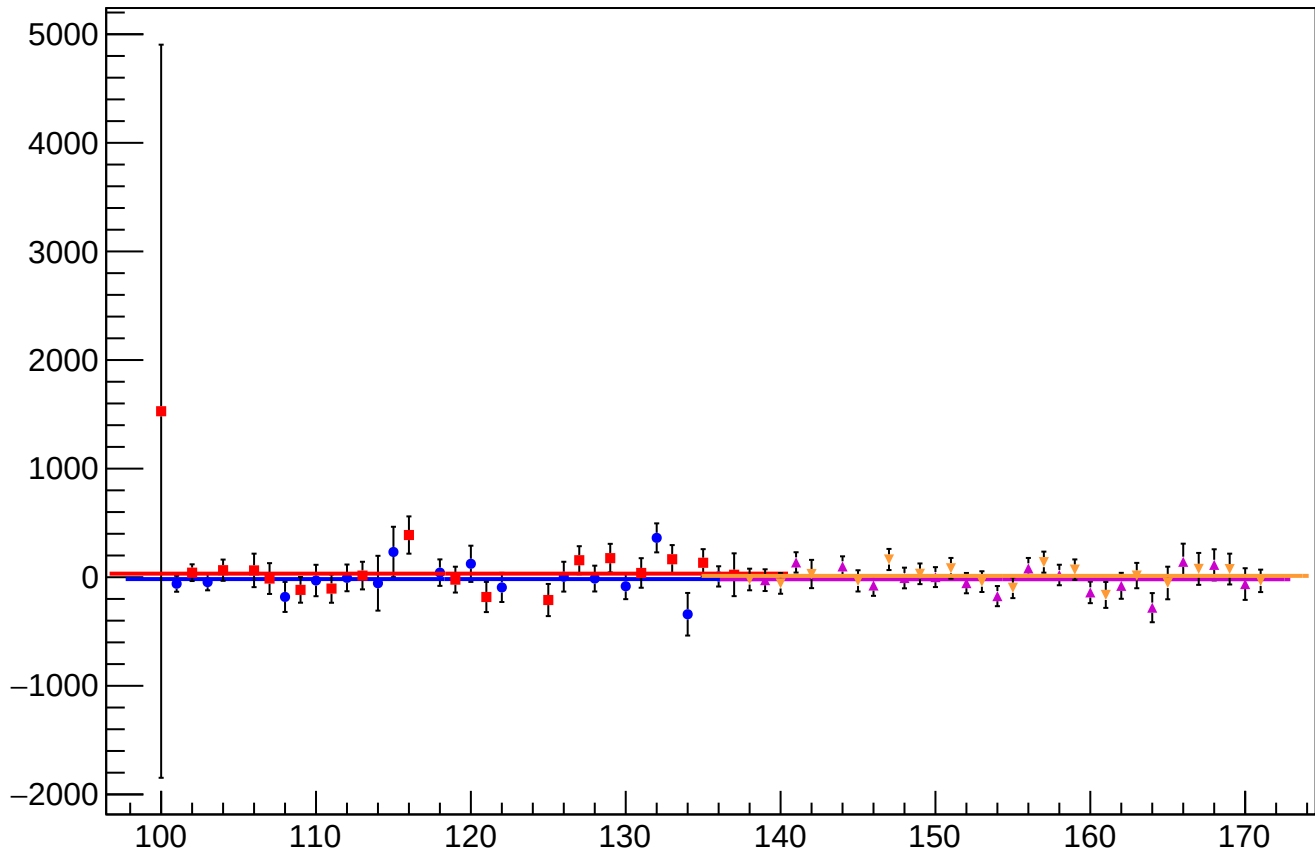
Right: 1108.972 $\pm$ 0.215 χ^2/NDF : 618871.4/33

In: 999.512 $\pm$ 0.162 χ^2/NDF : 444118.7/31

Out: 1002.686 $\pm$ 0.160 χ^2/NDF : 585180.7/34

All: 1001.120 $\pm$ 0.114 χ^2/NDF : 1029492.7/66

reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -17.236 $\pm$ 29.988 χ^2 /NDF: 15.6/15

Left Out: 12.334 $\pm$ 25.672 χ^2 /NDF:10.5/16

Right Out: 32.892 $\pm$ 30.446 χ^2 /NDF: 16.5/17

Left In: -18.699 $\pm$ 26.010 χ^2 /NDF:16.4/15

Left: -2.980 $\pm$ 18.271 χ^2 /NDF: 27.6/32

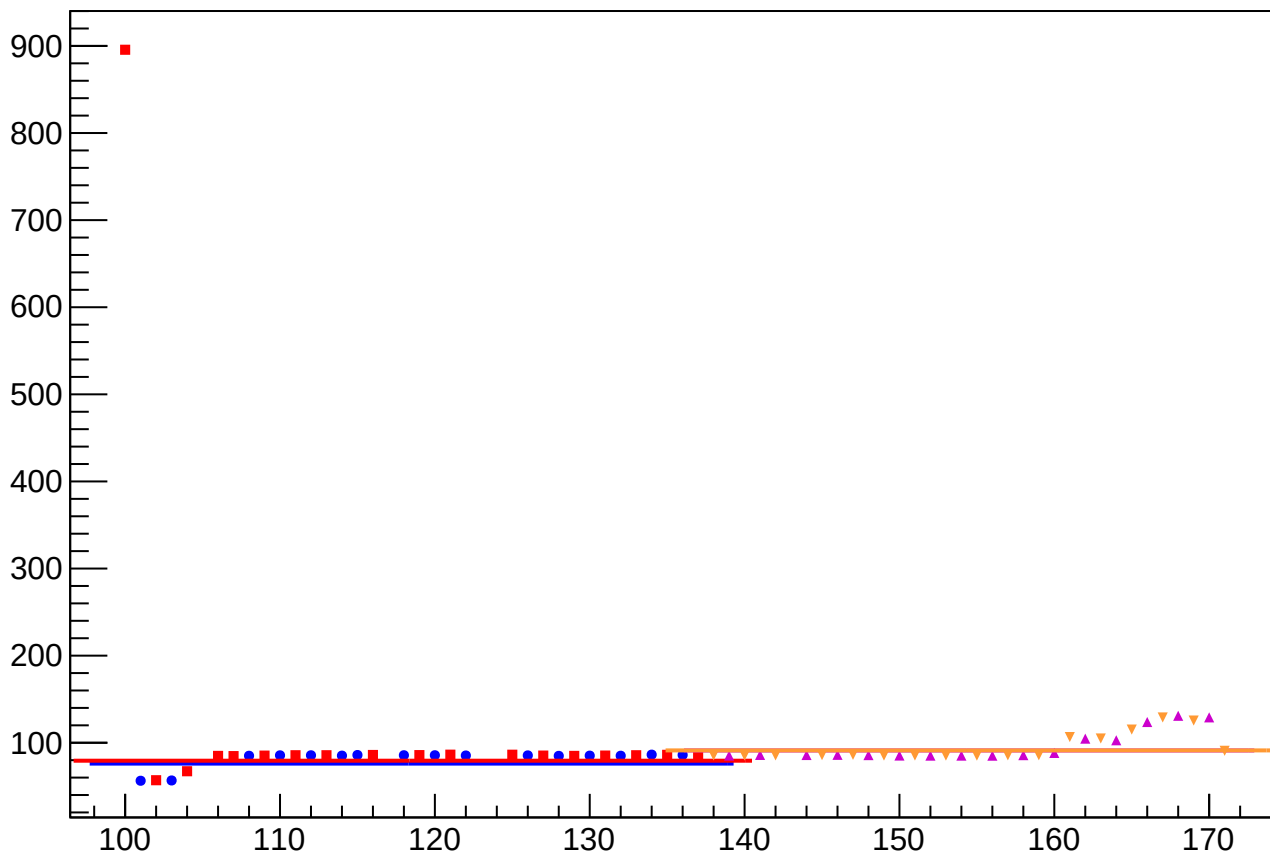
Right: 7.447 $\pm$ 21.365 χ^2 /NDF: 33.5/33

In: -18.071 $\pm$ 19.649 χ^2 /NDF:32.0/31

Out: 20.877 $\pm$ 19.626 χ^2 /NDF:27.3/34

All: 1.425 $\pm$ 13.886 χ^2 /NDF: 61.3/66

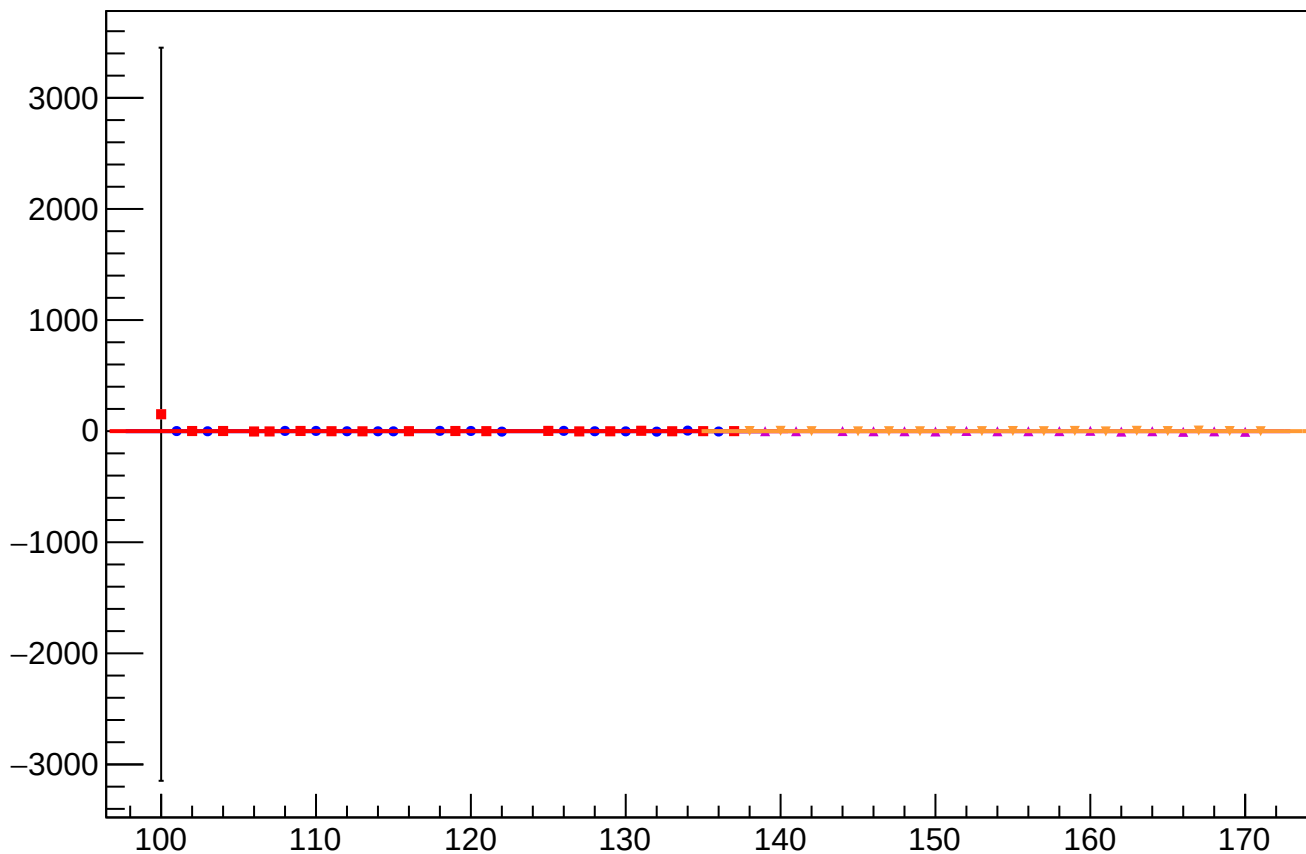
reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.079 $\pm$ 0.021 χ^2 /NDF: 409170.8/15
Left Out: 91.216 $\pm$ 0.018 χ^2 /NDF: 435634.6/16
Right Out: 79.390 $\pm$ 0.022 χ^2 /NDF: 378526.1/17
Left In: 91.145 $\pm$ 0.018 χ^2 /NDF: 478763.2/15

Left: 91.181 $\pm$ 0.013 χ^2 /NDF: 914405.4/32
Right: 77.709 $\pm$ 0.015 χ^2 /NDF: 799700.2/33
In: 84.677 $\pm$ 0.014 χ^2 /NDF: 1176003.8/31
Out: 86.302 $\pm$ 0.014 χ^2 /NDF: 990524.4/34
All: 85.490 $\pm$ 0.010 χ^2 /NDF: 2173375.8/66

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.031 ± 0.441 χ^2/NDF : 12.9/16

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

Left In: -0.433 ± 0.466 χ^2/NDF : 19.2/15

Left: -0.221 ± 0.320 χ^2/NDF : 32.4/32

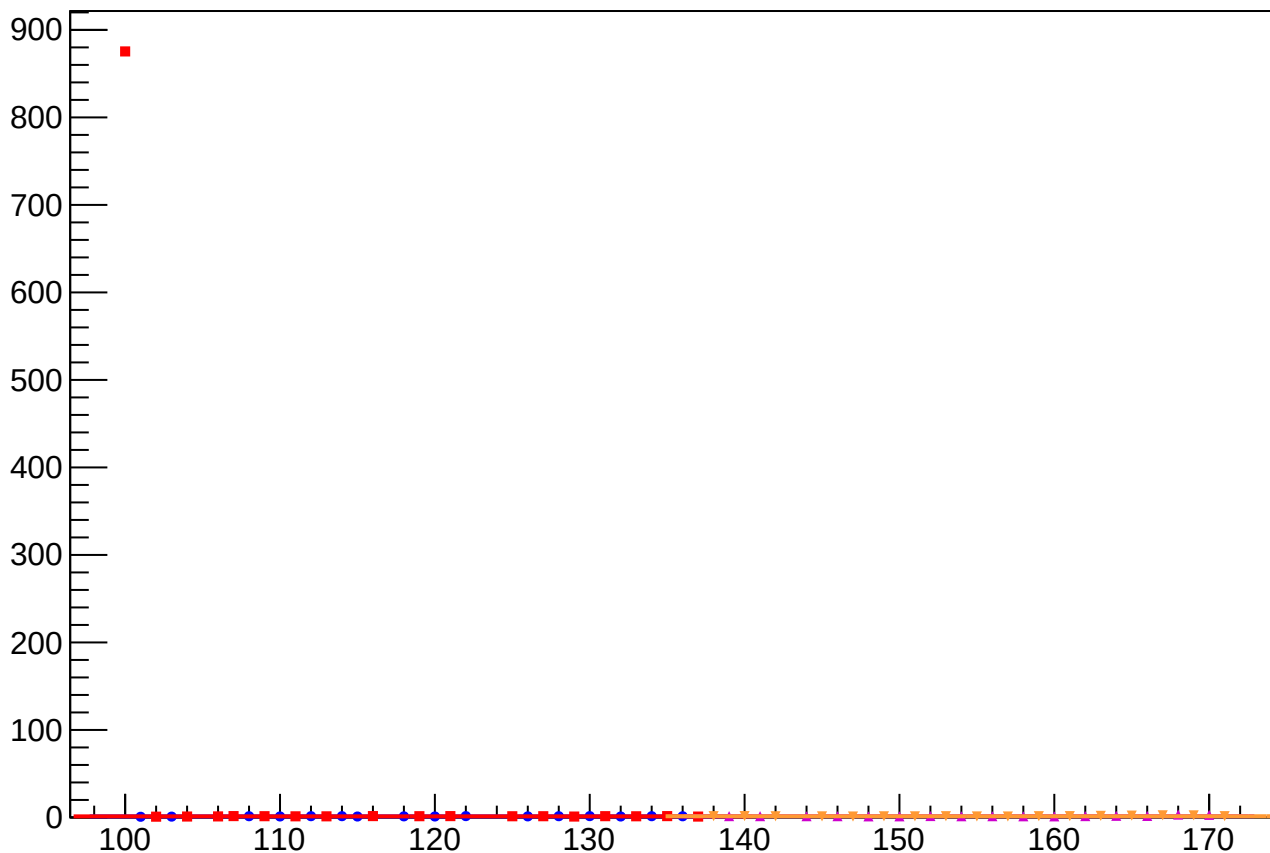
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.363 ± 0.341 χ^2/NDF : 40.4/31

Out: 0.014 ± 0.336 χ^2/NDF : 21.9/34

All: -0.172 ± 0.240 χ^2/NDF : 62.9/66

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.388+/-0.000 χ^2/NDF : 898334.6/16

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

Left In: 1.475+/-0.000 χ^2/NDF : 967487.4/15

Left: 1.429+/-0.000 χ^2/NDF : 1902584.7/32

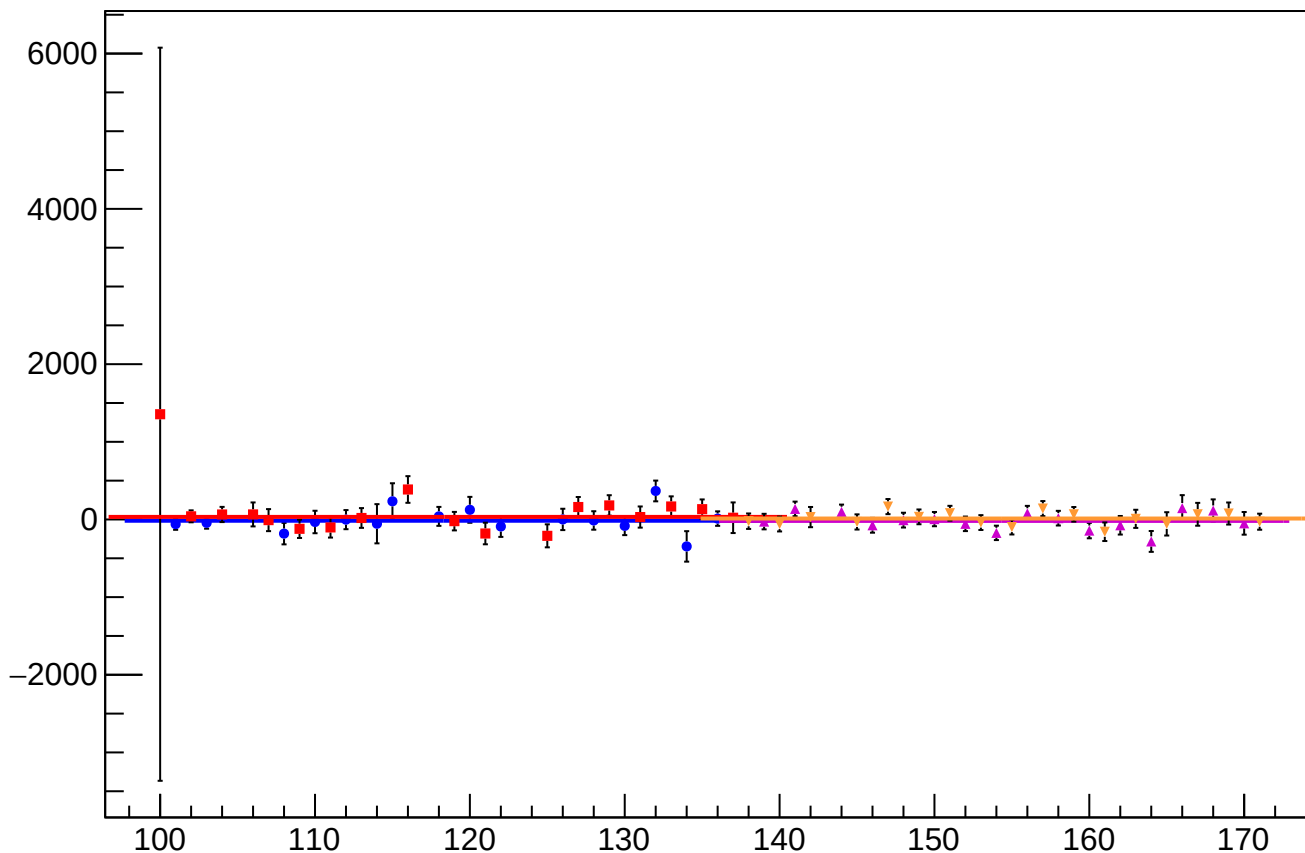
Right: 1.198+/-0.000 χ^2/NDF : 1065824.7/33

In: 1.325+/-0.000 χ^2/NDF : 1925793.4/31

Out: 1.329+/-0.000 χ^2/NDF : 1500529.1/34

All: 1.327+/-0.000 χ^2/NDF : 3426440.3/66

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 12.177+/-25.680 χ^2 /NDF:10.4/16

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

Left In: -18.459+/-26.018 χ^2 /NDF:16.4/15

Left: -2.941+/-18.277 χ^2 /NDF: 27.5/32

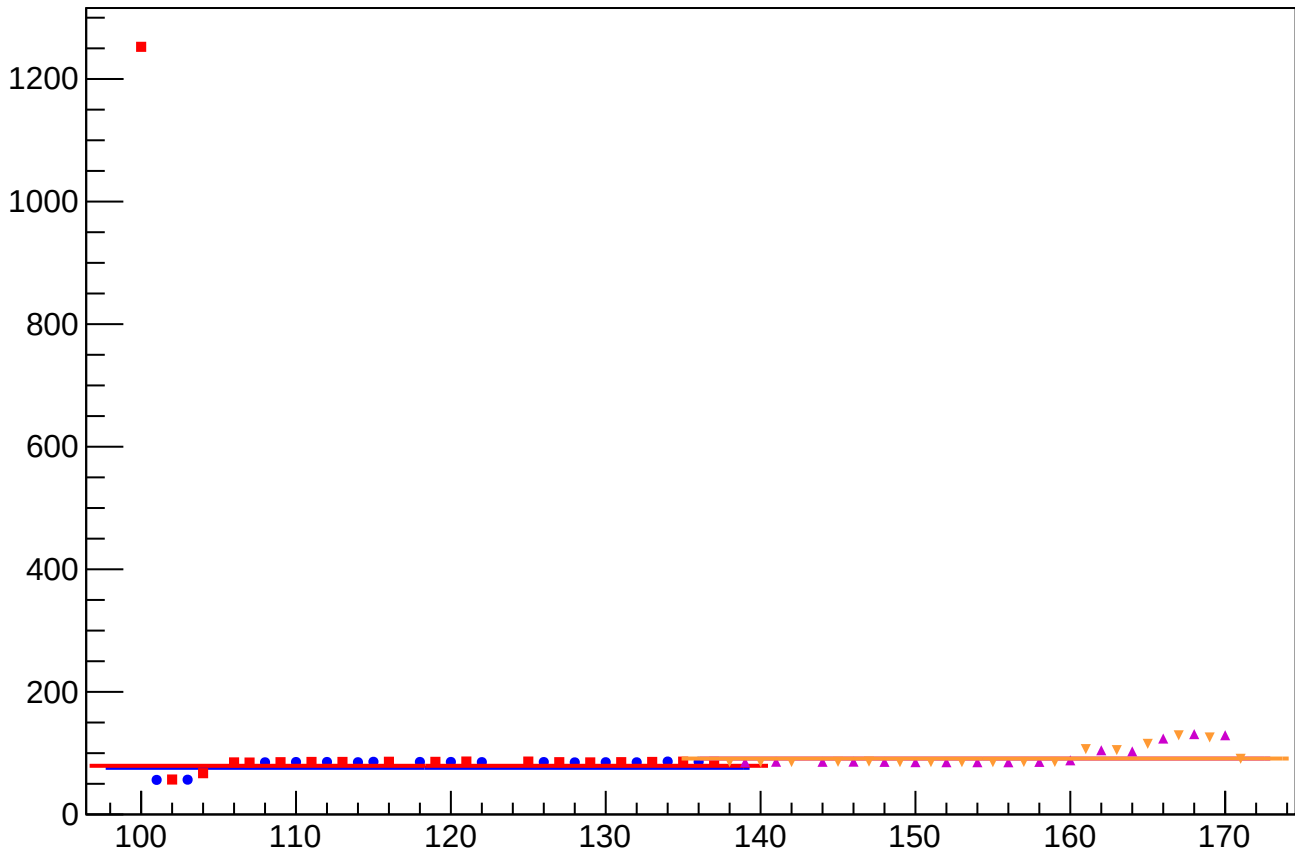
Right: 8.026+/-21.371 χ^2 /NDF: 33.7/33

In: -17.537+/-19.655 χ^2 /NDF:32.3/31

Out: 20.878+/-19.632 χ^2 /NDF:27.2/34

All: 1.692+/-13.890 χ^2 /NDF: 61.4/66

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.243+/-0.018 χ^2/NDF : 436374.2/16

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

Left In: 91.172+/-0.018 χ^2/NDF : 479624.5/15

Left: 91.208+/-0.013 χ^2/NDF : 916006.3/32

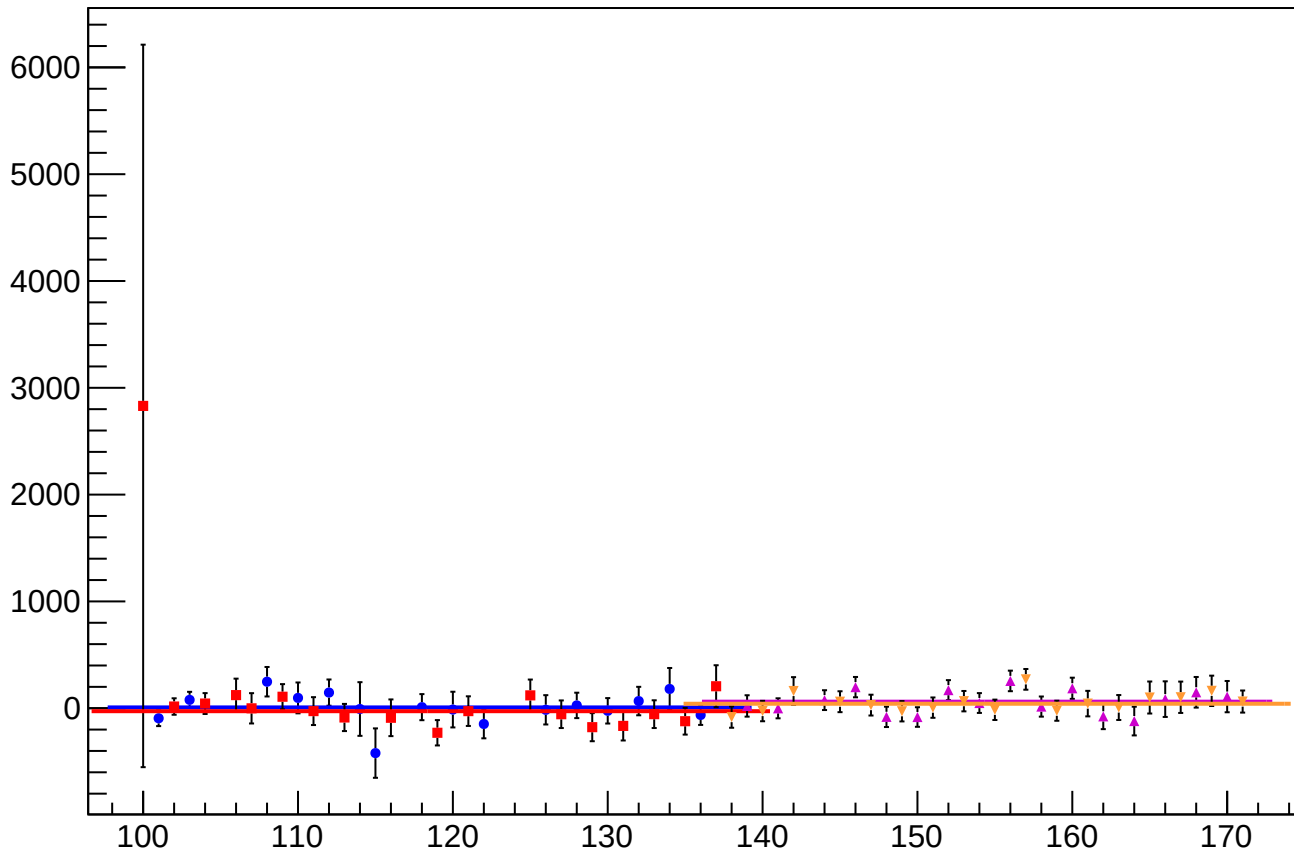
Right: 77.721+/-0.015 χ^2/NDF : 806127.4/33

In: 84.700+/-0.014 χ^2/NDF : 1177012.1/31

Out: 86.319+/-0.014 χ^2/NDF : 998383.2/34

All: 85.510+/-0.010 χ^2/NDF : 2182182.5/66

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 41.833 ± 25.672 χ^2/NDF : 11.3/16

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

Left In: 61.264 ± 26.012 χ^2/NDF : 18.3/15

Left: 51.420 ± 18.272 χ^2/NDF : 29.8/32

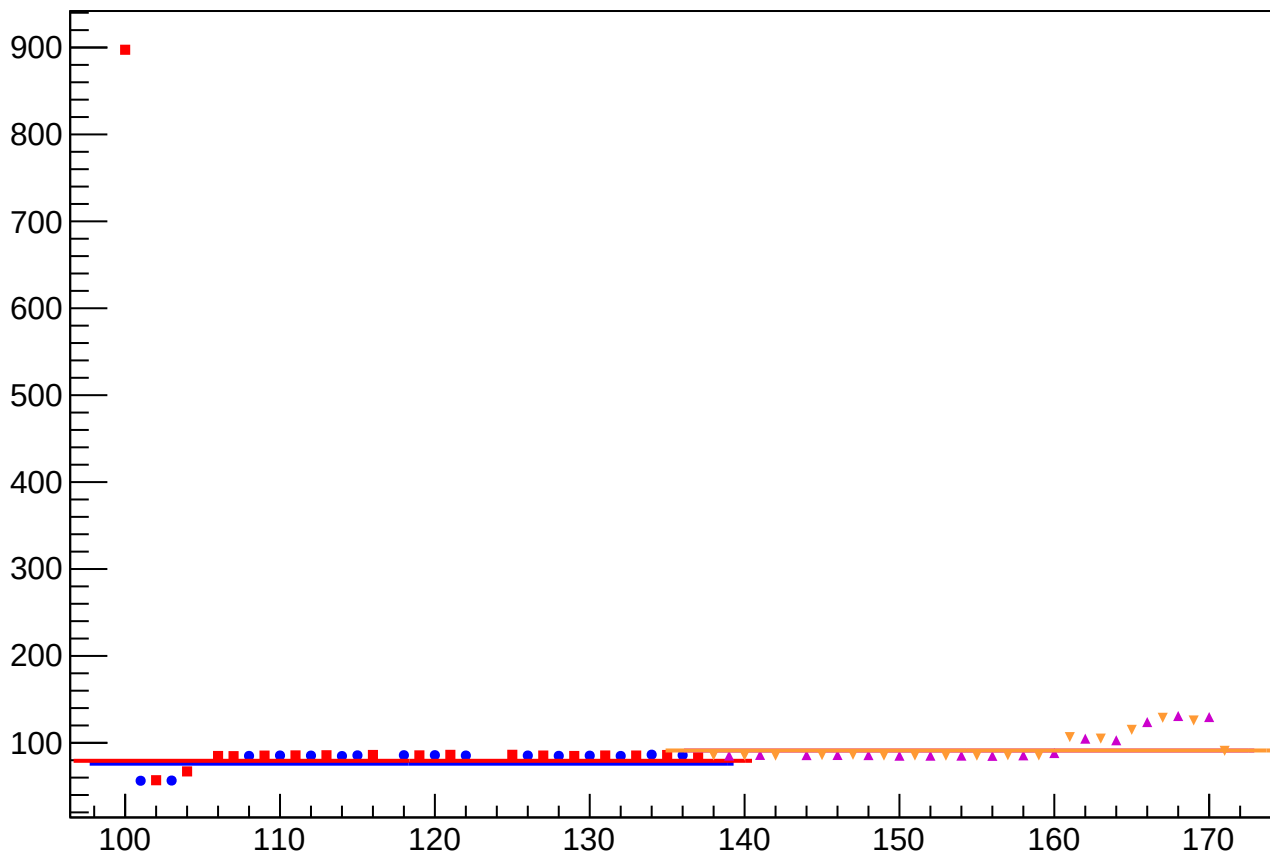
Right: -9.961 ± 21.352 χ^2/NDF : 27.1/33

In: 38.146 ± 19.644 χ^2/NDF : 34.0/31

Out: 12.828 ± 19.621 χ^2/NDF : 26.9/34

All: 25.472 ± 13.883 χ^2/NDF : 61.7/66

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 91.214 $\pm$ 0.018 χ^2 /NDF: 435067.1/16

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

Left In: 91.144 $\pm$ 0.018 χ^2 /NDF: 482465.2/15

Left: 91.180 $\pm$ 0.013 χ^2 /NDF: 917539.7/32

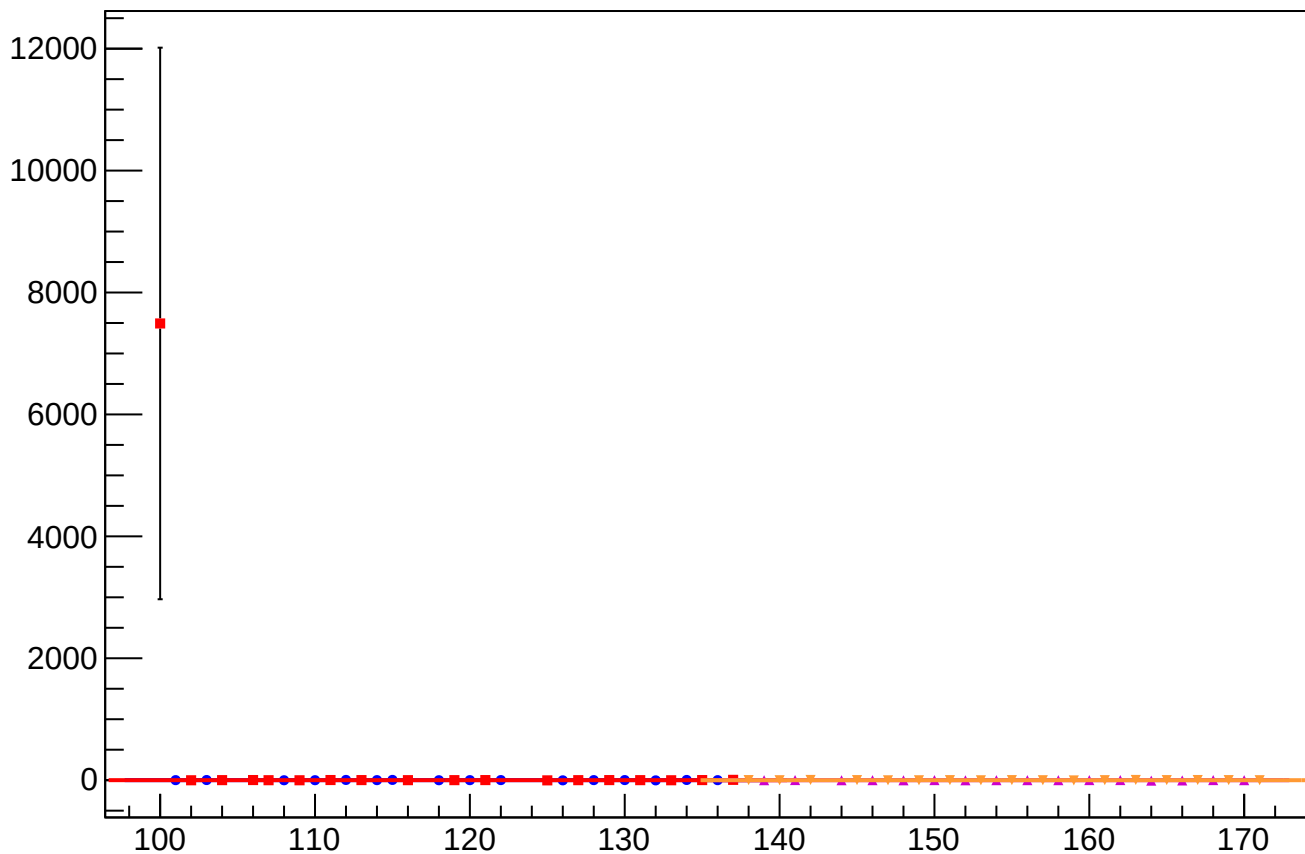
Right: 77.662 $\pm$ 0.015 χ^2 /NDF: 799302.8/33

In: 84.651 $\pm$ 0.014 χ^2 /NDF: 1181443.4/31

Out: 86.277 $\pm$ 0.014 χ^2 /NDF: 991317.7/34

All: 85.465 $\pm$ 0.010 χ^2 /NDF: 2179624.4/66

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.339 ± 0.456 χ^2/NDF : 16.5/16

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

Left In: 0.107 ± 0.464 χ^2/NDF : 14.8/15

Left: -0.120 ± 0.325 χ^2/NDF : 31.8/32

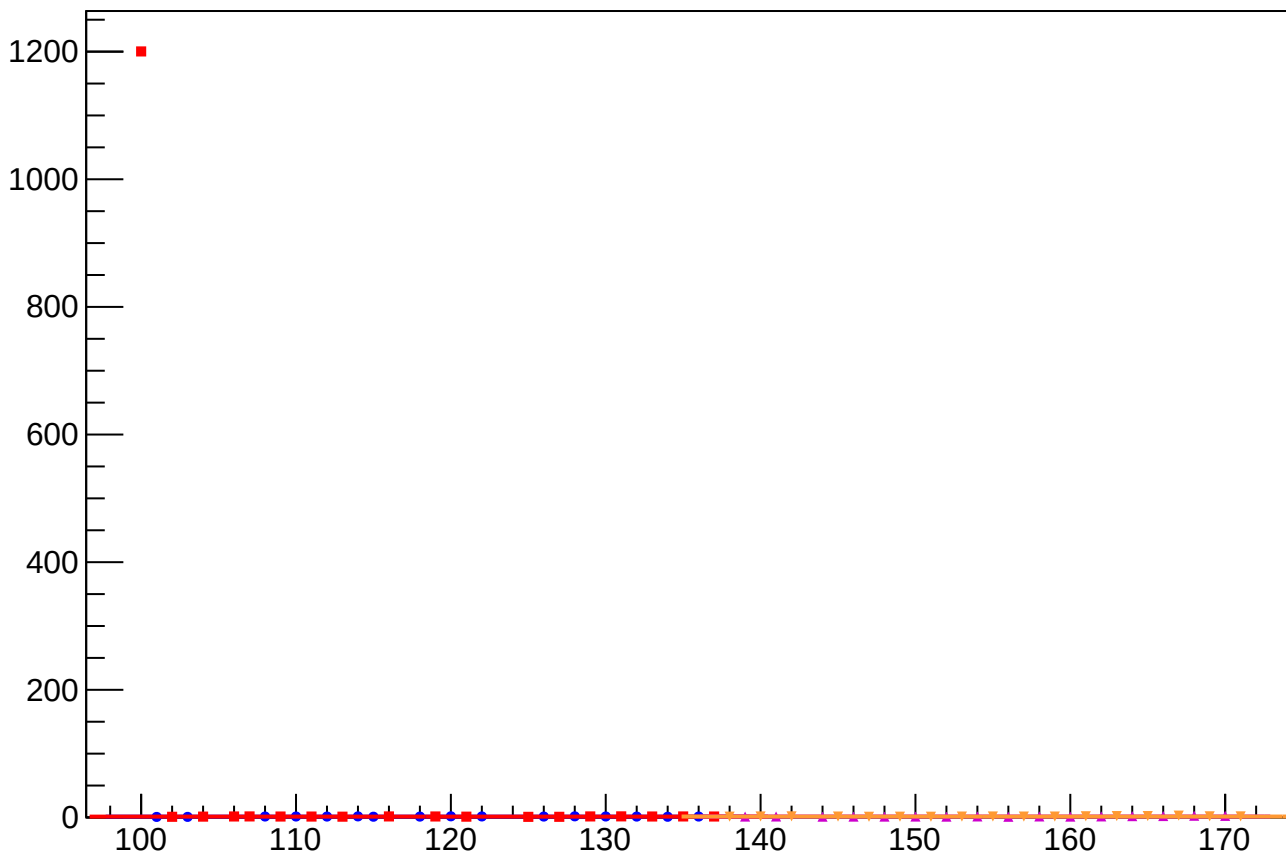
Right: 0.621 ± 0.382 χ^2/NDF : 25.2/33

In: 0.454 ± 0.350 χ^2/NDF : 28.1/31

Out: -0.073 ± 0.350 χ^2/NDF : 29.9/34

All: 0.191 ± 0.248 χ^2/NDF : 59.2/66

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.446 $\pm$ 0.000 χ^2 /NDF:1037110.5/16

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

Left In: 1.459 $\pm$ 0.000 χ^2 /NDF:926384.5/15

Left: 1.452 $\pm$ 0.000 χ^2 /NDF: 1964314.5/32

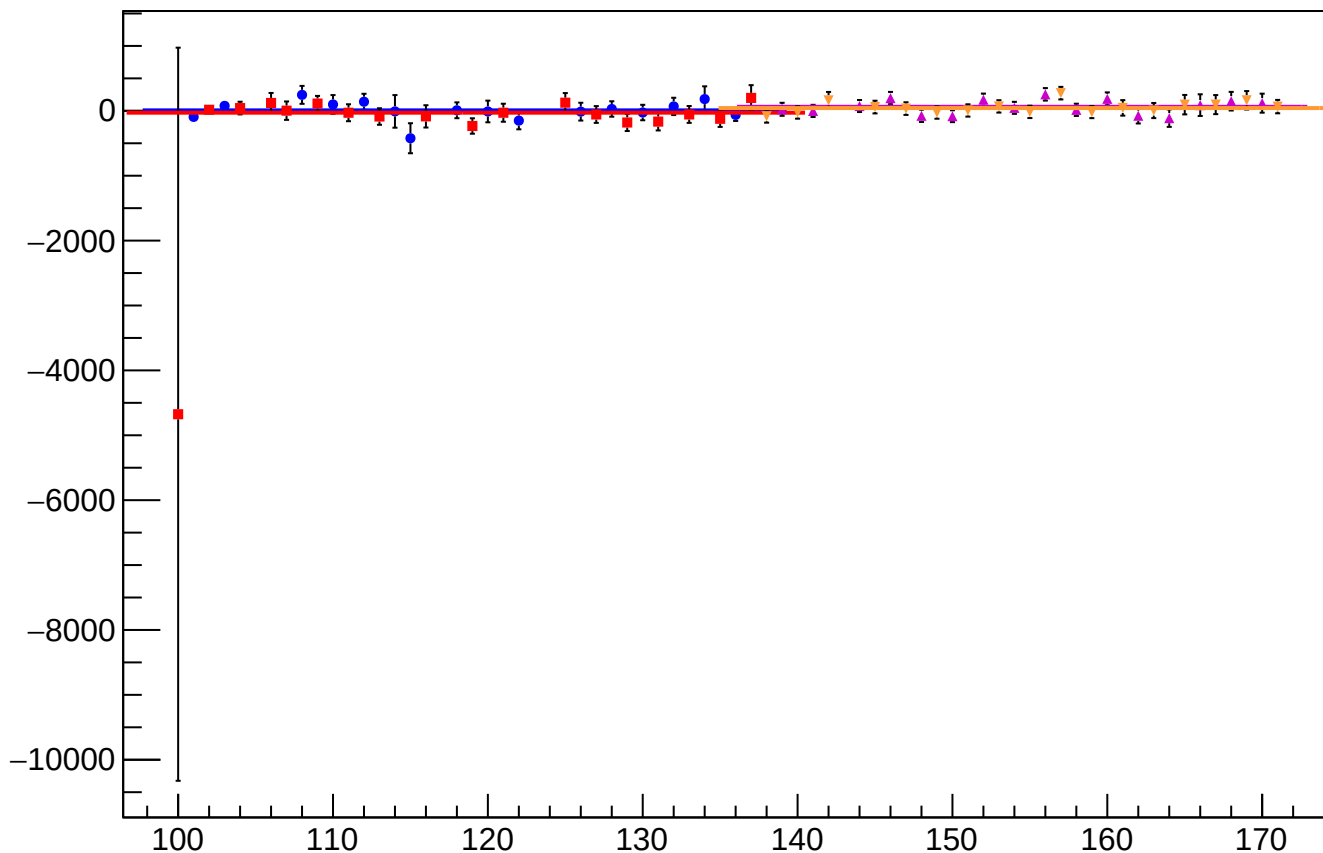
Right: 1.276 $\pm$ 0.000 χ^2 /NDF: 1201203.5/33

In: 1.363 $\pm$ 0.000 χ^2 /NDF:1780566.5/31

Out: 1.393 $\pm$ 0.000 χ^2 /NDF:1623494.4/34

All: 1.378 $\pm$ 0.000 χ^2 /NDF: 3411390.5/66

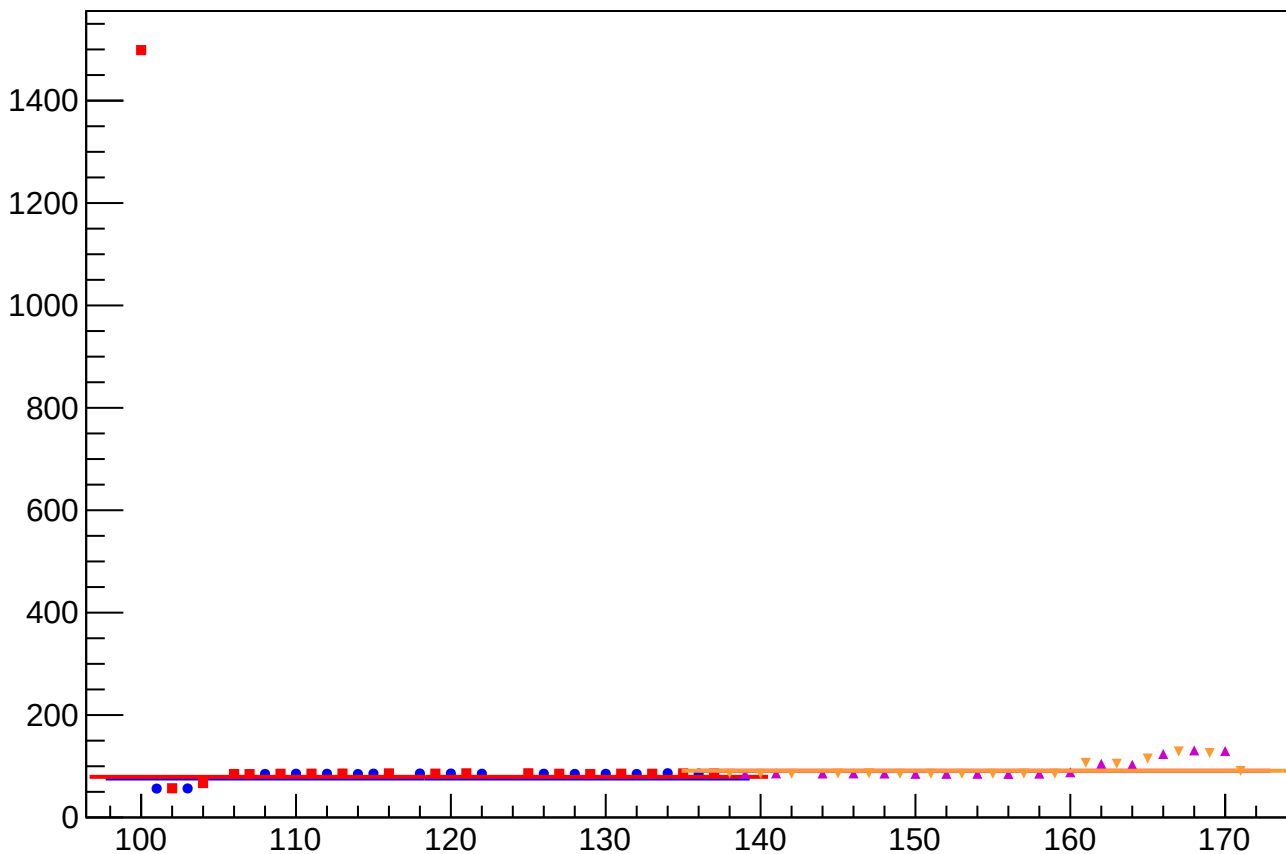
asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.781 ± 29.977 χ^2/NDF : 13.8/15
Left Out: 42.510 ± 25.680 χ^2/NDF : 11.2/16
Right Out: -28.551 ± 30.437 χ^2/NDF : 12.7/17
Left In: 61.915 ± 26.020 χ^2/NDF : 17.9/15

Left: 52.085 ± 18.278 χ^2/NDF : 29.4/32
Right: -10.616 ± 21.358 χ^2/NDF : 27.2/33
In: 38.225 ± 19.650 χ^2/NDF : 33.7/31
Out: 12.960 ± 19.627 χ^2/NDF : 27.1/34
All: 25.578 ± 13.887 χ^2/NDF : 61.6/66

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 91.242 $\pm$ 0.018 χ^2 /NDF: 435809.0/16

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

Left In: 91.172 $\pm$ 0.018 χ^2 /NDF: 483269.0/15

Left: 91.207 $\pm$ 0.013 χ^2 /NDF: 919085.4/32

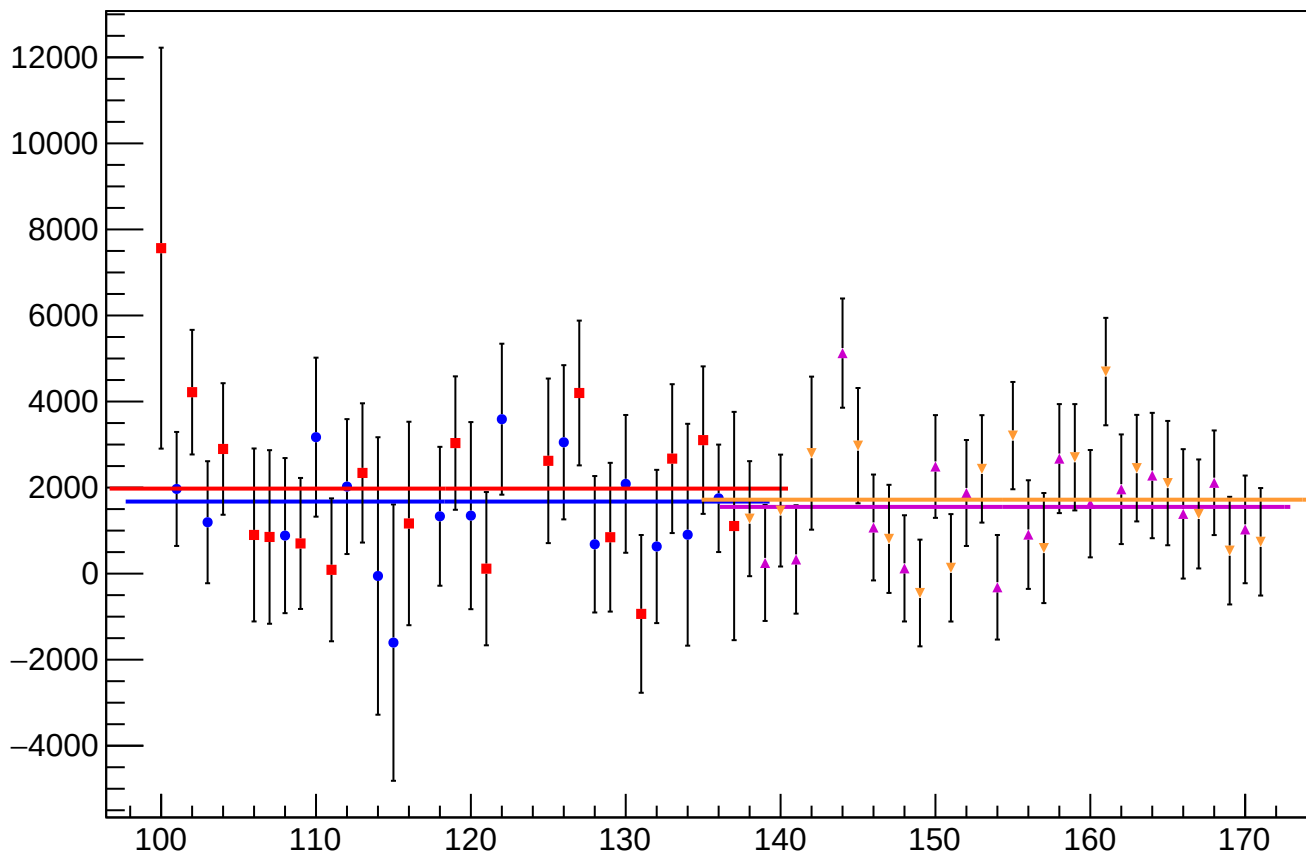
Right: 77.670 $\pm$ 0.015 χ^2 /NDF: 808427.1/33

In: 84.675 $\pm$ 0.014 χ^2 /NDF: 1182376.5/31

Out: 86.292 $\pm$ 0.014 χ^2 /NDF: 1002125.9/34

All: 85.484 $\pm$ 0.010 χ^2 /NDF: 2191280.9/66

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1718.638 $\pm$ 313.499 χ^2 /NDF:17.4/16

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

Left In: 1550.860 $\pm$ 317.952 χ^2 /NDF:16.1/15

Left: 1635.932 $\pm$ 223.235 χ^2 /NDF: 33.7/32

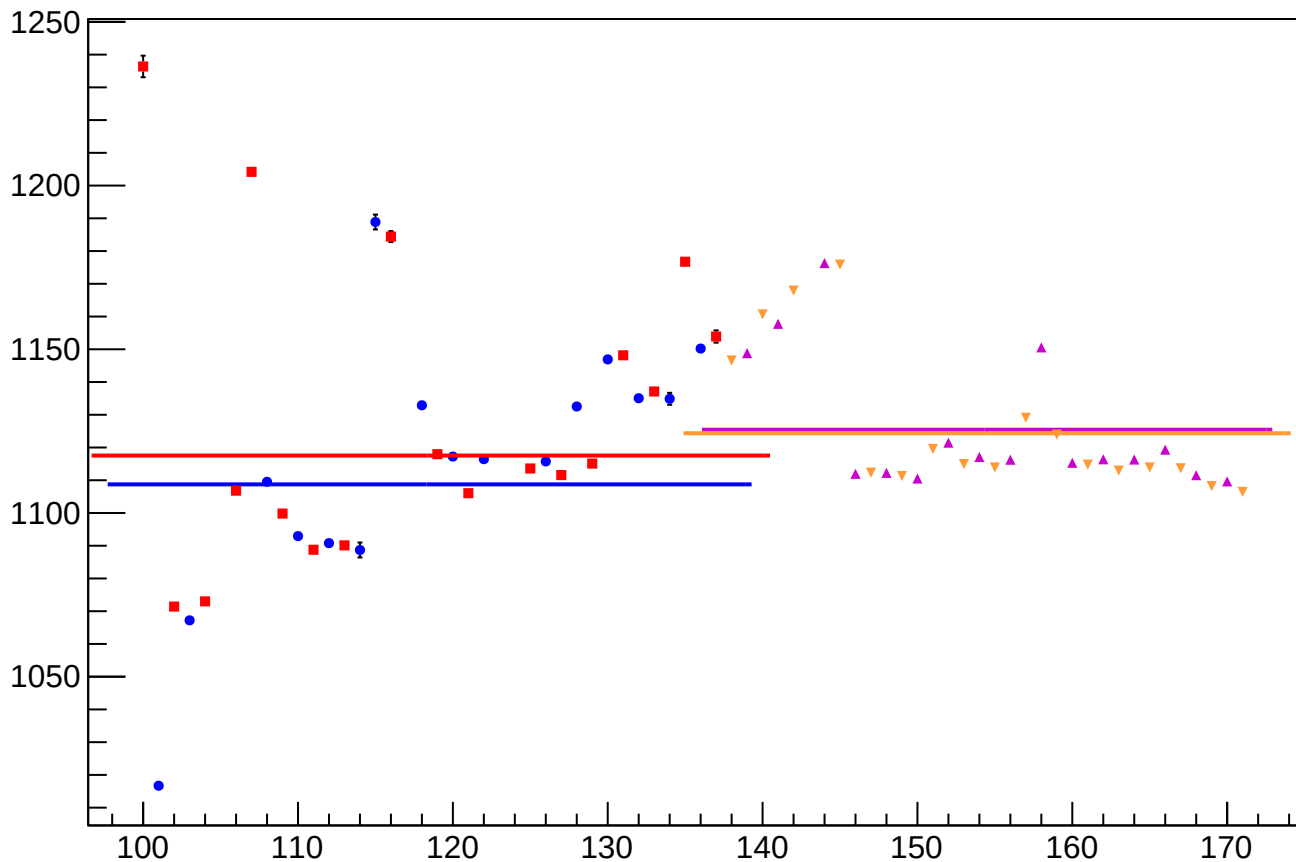
Right: 1828.538 $\pm$ 301.540 χ^2 /NDF: 19.4/33

In: 1594.660 $\pm$ 255.779 χ^2 /NDF:21.3/31

Out: 1810.154 $\pm$ 251.742 χ^2 /NDF:31.7/34

All: 1704.121 $\pm$ 179.419 χ^2 /NDF: 53.4/66

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1124.351 $\pm$ 0.222 χ^2 /NDF: 8259.9/16

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

Left In: 1125.436 $\pm$ 0.225 χ^2 /NDF: 7842.5/15

Left: 1124.886 $\pm$ 0.158 χ^2 /NDF: 16114.2/32

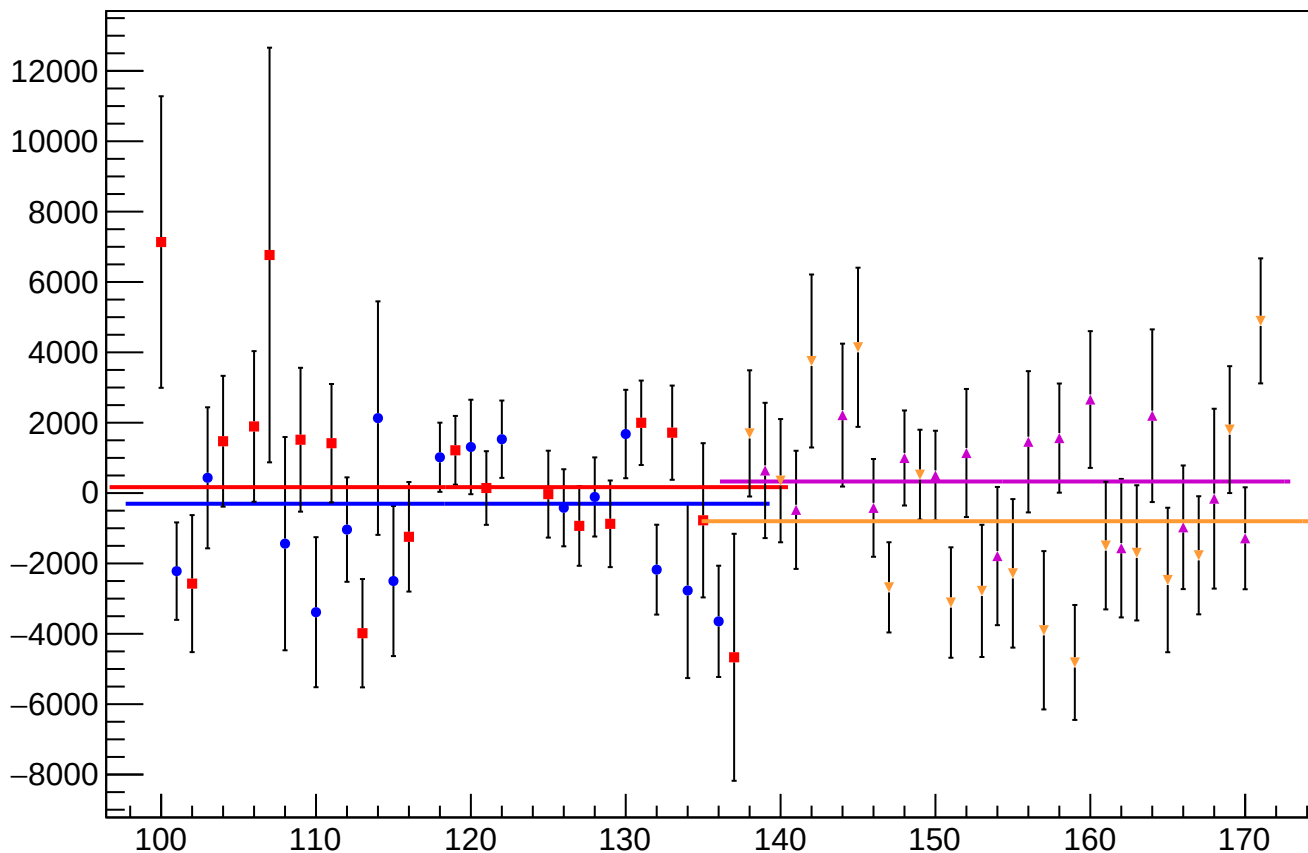
Right: 1113.224 $\pm$ 0.213 χ^2 /NDF: 34021.5/33

In: 1119.545 $\pm$ 0.181 χ^2 /NDF: 27869.2/31

Out: 1121.931 $\pm$ 0.178 χ^2 /NDF: 24110.5/34

All: 1120.757 $\pm$ 0.127 χ^2 /NDF: 52068.1/66

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -799.964 $\pm$ 426.585 χ^2/NDF :39.2/16

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

Left In: 329.141 $\pm$ 429.634 χ^2/NDF :8.8/15

Left: -239.432 $\pm$ 302.714 χ^2/NDF : 51.5/32

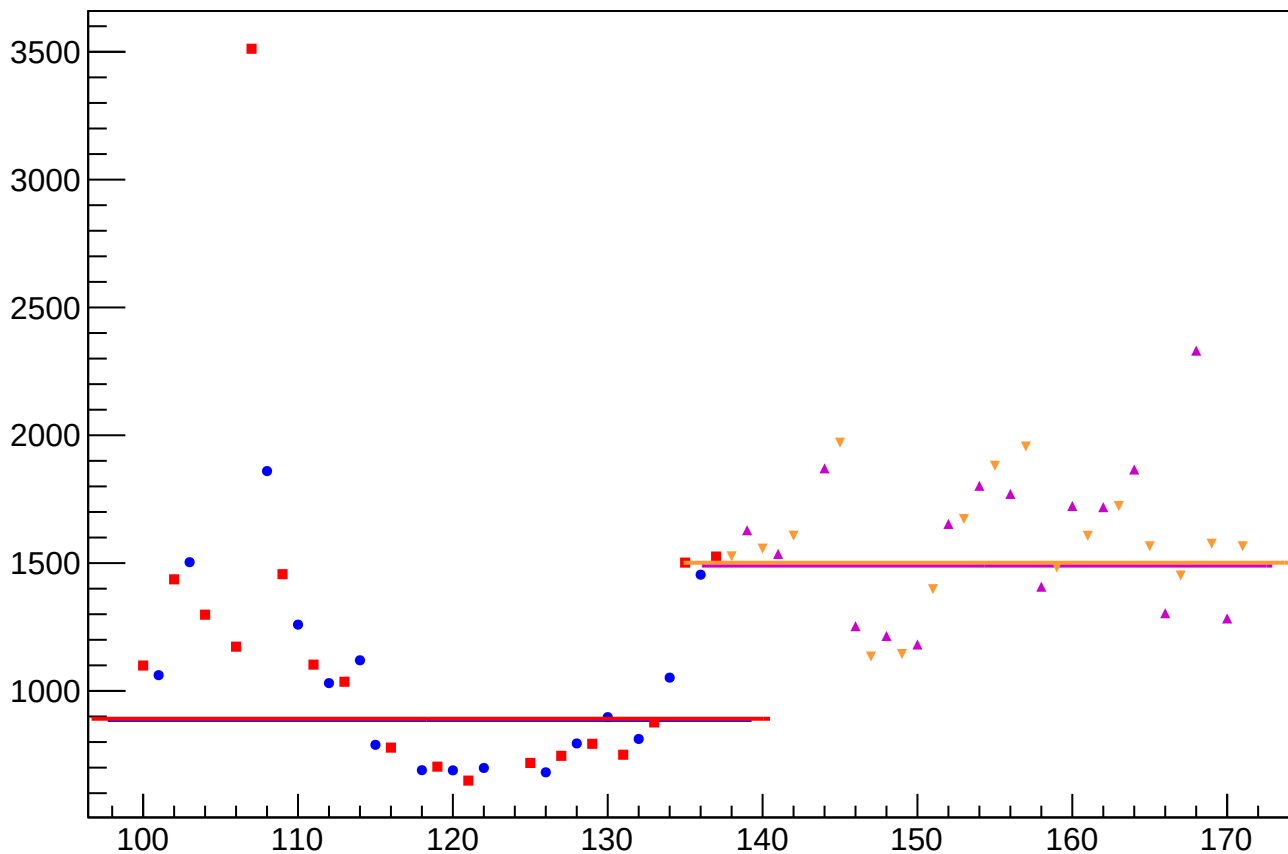
Right: -64.717 $\pm$ 253.241 χ^2/NDF : 48.0/33

In: -42.384 $\pm$ 275.967 χ^2/NDF :32.3/31

Out: -229.192 $\pm$ 273.432 χ^2/NDF :67.1/34

All: -136.650 $\pm$ 194.236 χ^2/NDF : 99.7/66

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 886.691 $\pm$ 0.255 χ^2 /NDF: 1060864.2/15

Left Out: 1501.435 $\pm$ 0.302 χ^2 /NDF: 627339.6/16

Right Out: 891.197 $\pm$ 0.252 χ^2 /NDF: 1414187.9/17

Left In: 1490.267 $\pm$ 0.304 χ^2 /NDF: 834347.9/15

Left: 1495.890 $\pm$ 0.214 χ^2 /NDF: 1462368.0/32

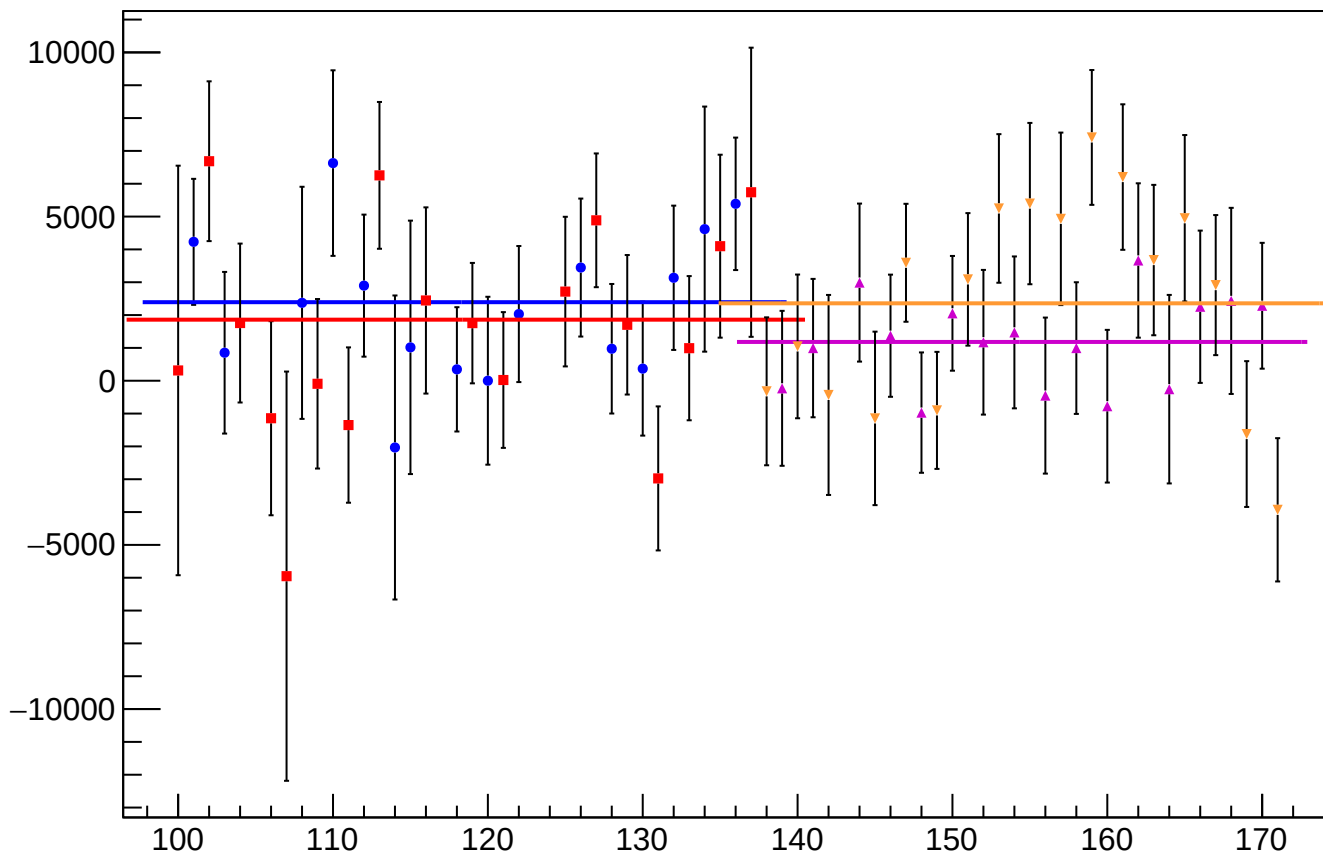
Right: 888.968 $\pm$ 0.179 χ^2 /NDF: 2475210.4/33

In: 1135.718 $\pm$ 0.195 χ^2 /NDF: 4213882.4/31

Out: 1141.916 $\pm$ 0.193 χ^2 /NDF: 4452758.6/34

All: 1138.846 $\pm$ 0.137 χ^2 /NDF: 8667150.1/66

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2357.823 $\pm$ 538.163 χ^2/NDF : 34.5/16

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

Left In: 1181.423 $\pm$ 543.928 χ^2/NDF : 5.9/15

Left: 1775.890 $\pm$ 382.560 χ^2/NDF : 42.7/32

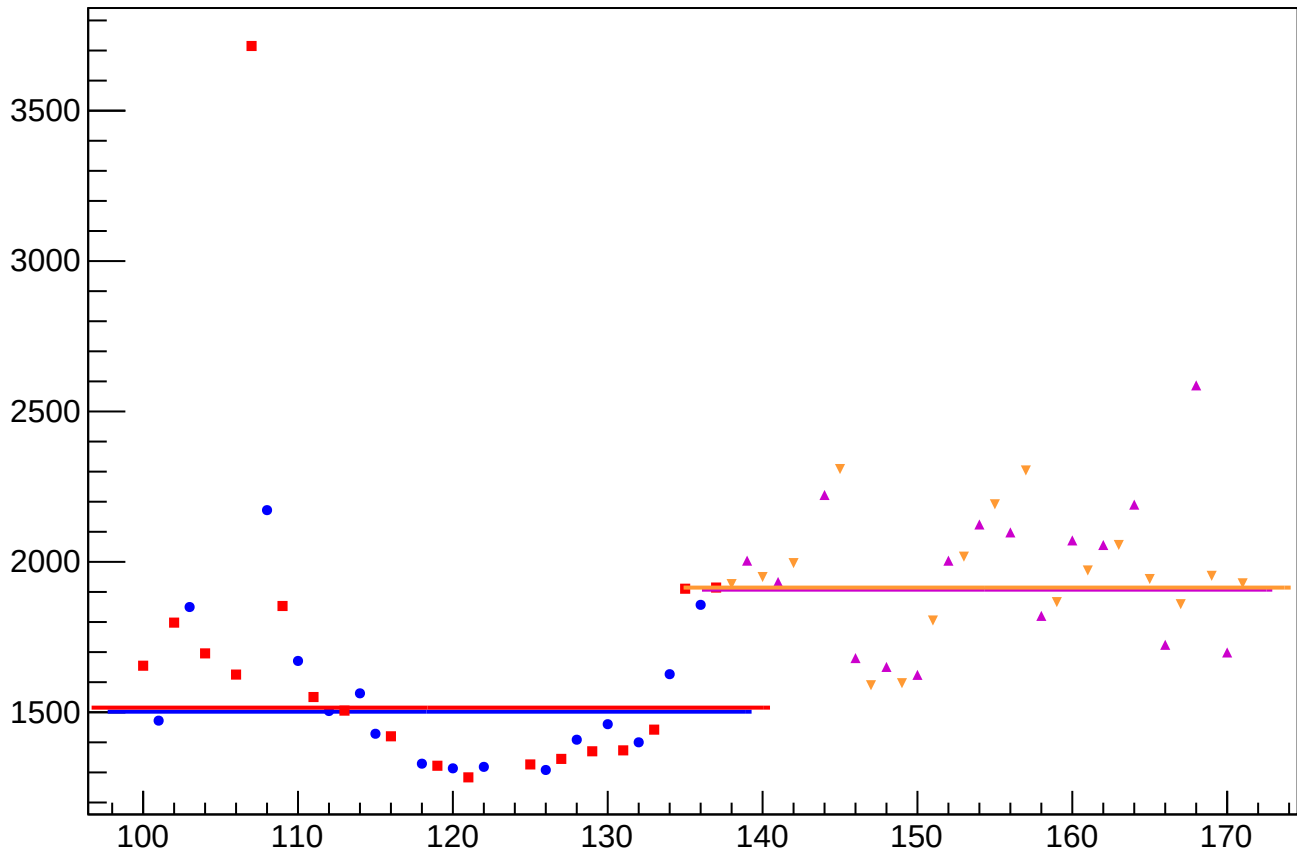
Right: 2123.458 $\pm$ 414.388 χ^2/NDF : 34.1/33

In: 1738.812 $\pm$ 399.597 χ^2/NDF : 19.3/31

Out: 2128.778 $\pm$ 395.478 χ^2/NDF : 57.4/34

All: 1935.816 $\pm$ 281.090 χ^2/NDF : 77.2/66

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1914.485+/-0.381 χ^2/NDF : 267210.3/16

Right Out: 1515.406+/-0.412 χ^2/NDF : 479759.9/17

Left In: 1907.612+/-0.385 χ^2/NDF : 385904.0/15

Left: 1911.085+/-0.271 χ^2/NDF : 653275.6/32

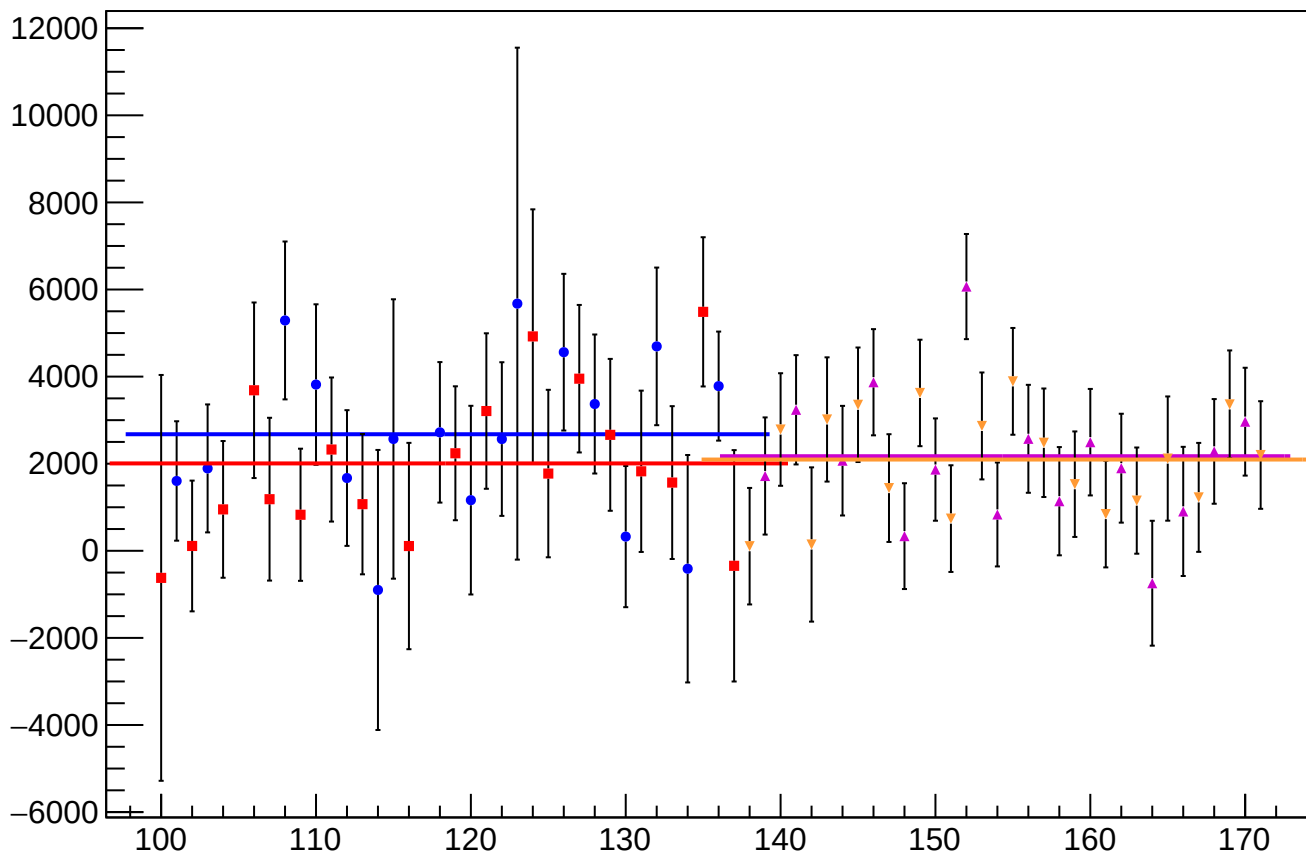
Right: 1508.739+/-0.293 χ^2/NDF : 734837.7/33

In: 1720.885+/-0.283 χ^2/NDF : 1152529.2/31

Out: 1730.920+/-0.280 χ^2/NDF : 1252853.2/34

All: 1725.955+/-0.199 χ^2/NDF : 2406019.5/66

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2095.545 $\pm$ 301.985 χ^2/NDF : 14.1/17

Right Out: 2006.577 $\pm$ 419.165 χ^2/NDF : 12.8/18

Left In: 2172.119 $\pm$ 313.505 χ^2/NDF : 23.0/15

Left: 2132.399 $\pm$ 217.494 χ^2/NDF : 37.2/33

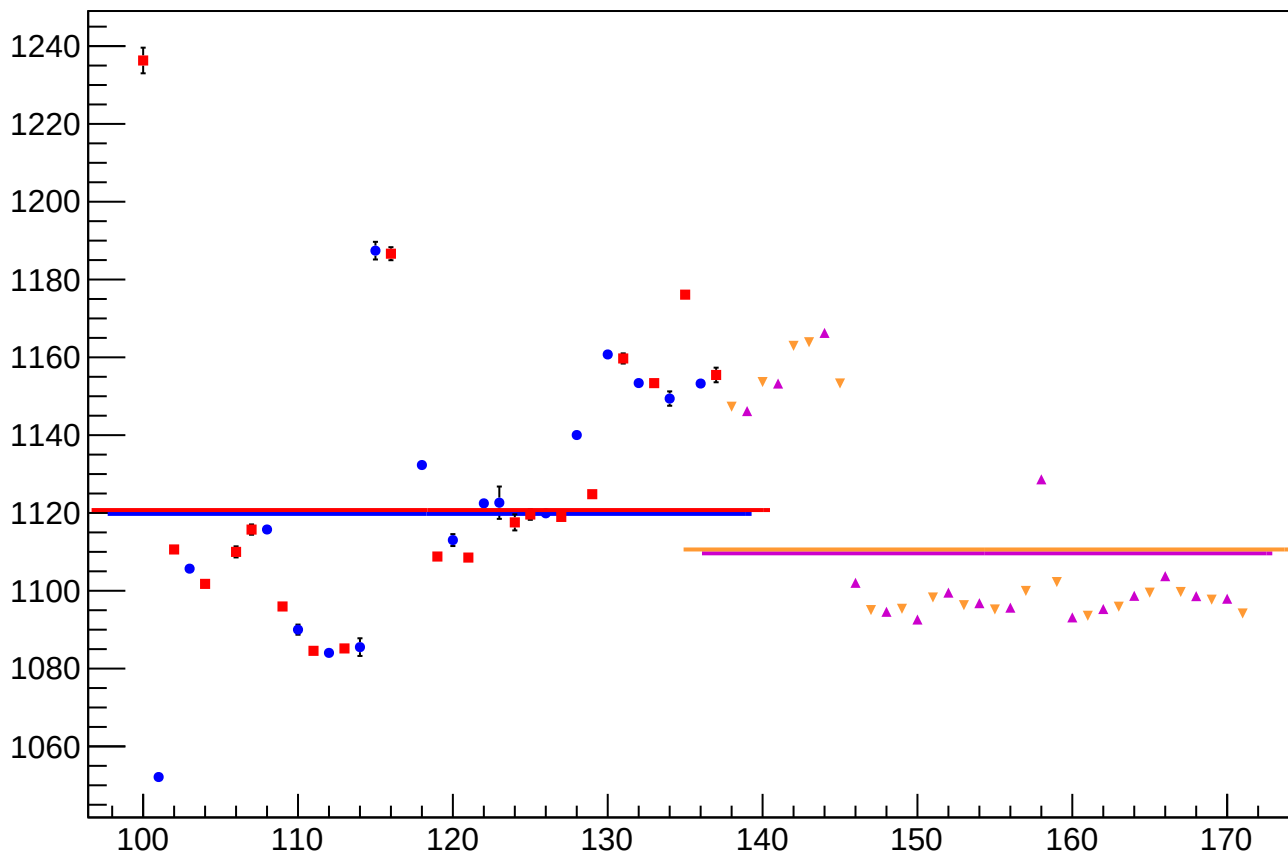
Right: 2330.304 $\pm$ 301.362 χ^2/NDF : 26.6/35

In: 2345.346 $\pm$ 254.051 χ^2/NDF : 36.5/32

Out: 2065.145 $\pm$ 245.019 χ^2/NDF : 27.0/36

All: 2200.177 $\pm$ 176.361 χ^2/NDF : 64.1/69

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1110.614 $\pm$ 0.214 χ^2 /NDF:13548.4/17

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

Left In: 1109.627 $\pm$ 0.222 χ^2 /NDF:10961.3/15

Left: 1110.139 $\pm$ 0.154 χ^2 /NDF: 24519.9/33

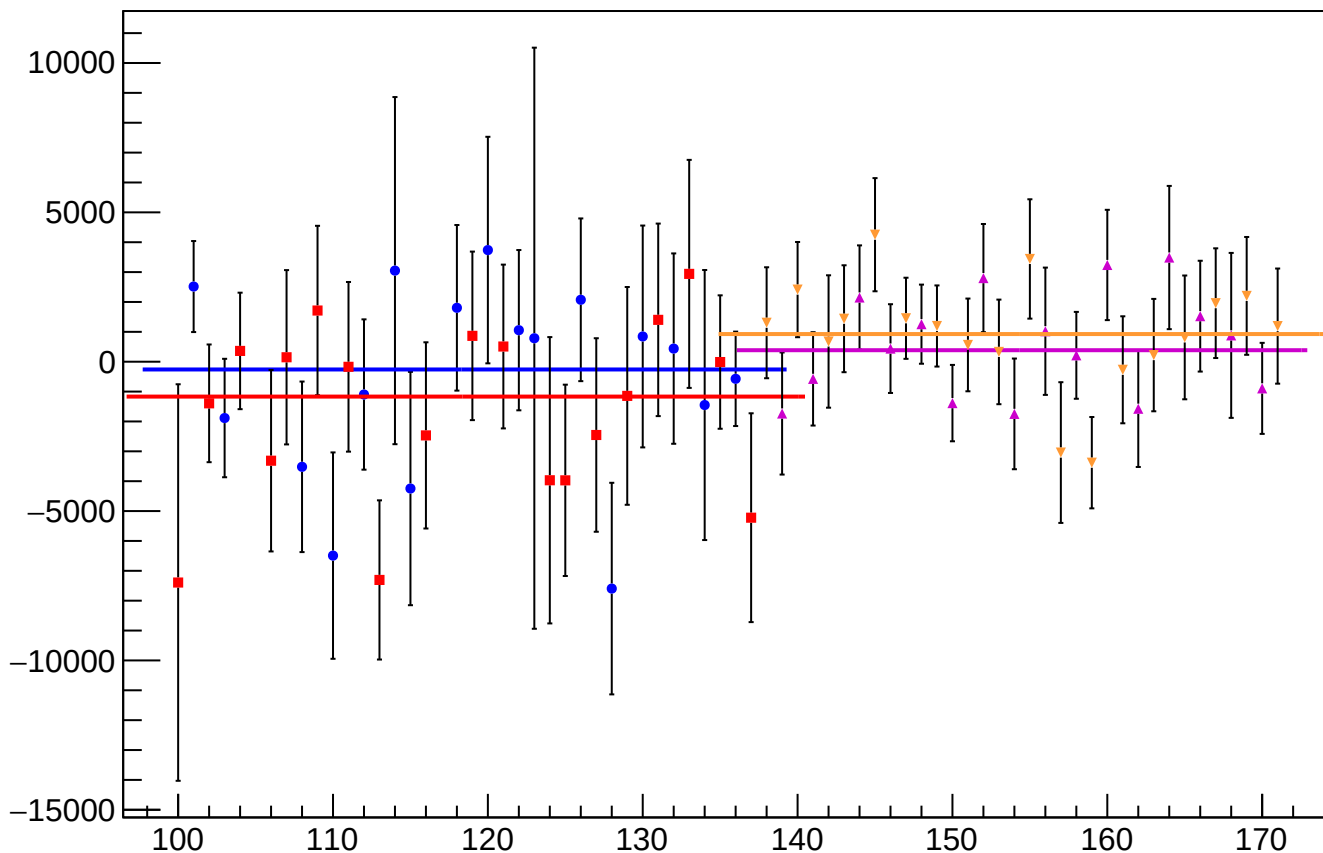
Right: 1120.271 $\pm$ 0.213 χ^2 /NDF: 21816.3/35

In: 1113.106 $\pm$ 0.180 χ^2 /NDF:23555.7/32

Out: 1114.076 $\pm$ 0.173 χ^2 /NDF:24251.8/36

All: 1113.609 $\pm$ 0.125 χ^2 /NDF: 47822.7/69

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 925.802+/-414.777 χ^2/NDF : 18.2/17

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

Left In: 385.009+/-426.999 χ^2/NDF : 14.2/15

Left: 663.256+/-297.519 χ^2/NDF : 33.2/33

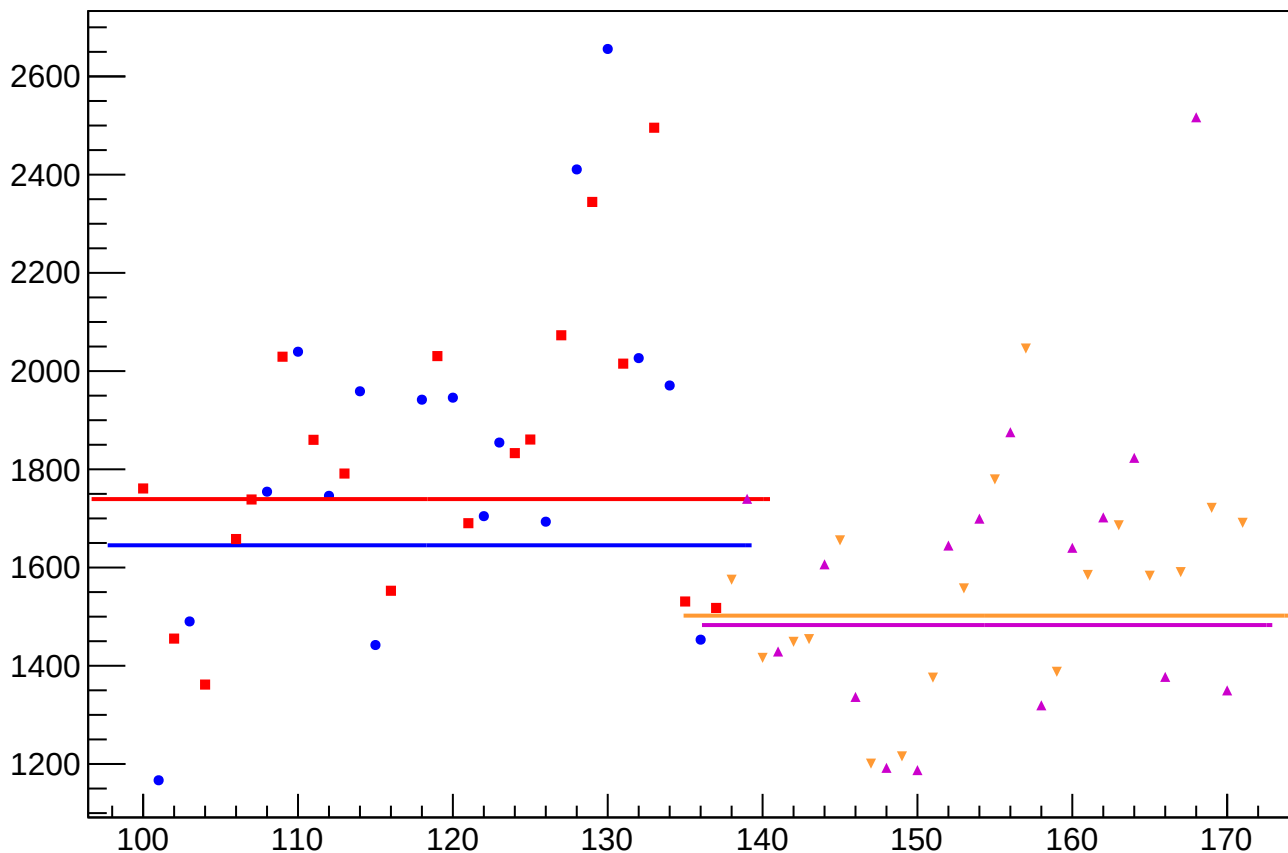
Right: -708.782+/-465.858 χ^2/NDF : 32.6/35

In: 192.810+/-357.748 χ^2/NDF : 32.1/32

Out: 336.218+/-351.549 χ^2/NDF : 39.7/36

All: 265.767+/-250.745 χ^2/NDF : 71.9/69

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1502.086+/-0.293 χ^2/NDF : 458936.3/17

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

Left In: 1482.887+/-0.302 χ^2/NDF : 785350.0/15

Left: 1492.766+/-0.210 χ^2/NDF : 1246366.6/33

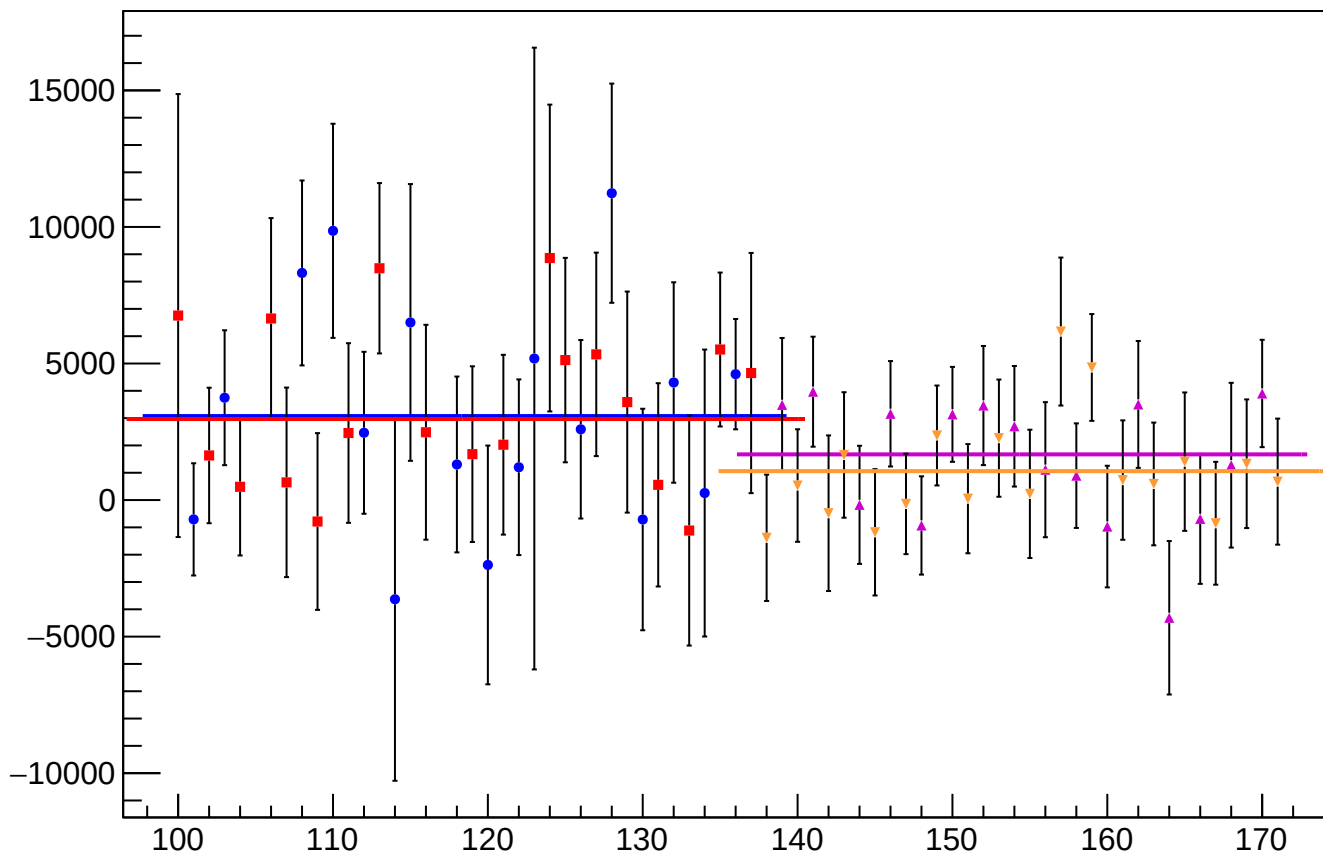
Right: 1691.833+/-0.329 χ^2/NDF : 992315.5/35

In: 1531.298+/-0.253 χ^2/NDF : 1472514.5/32

Out: 1568.918+/-0.249 χ^2/NDF : 1014312.2/36

All: 1550.437+/-0.177 χ^2/NDF : 2498078.0/69

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1058.912 $\pm$ 520.468 χ^2 /NDF:12.3/17

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

Left In: 1673.024 $\pm$ 538.692 χ^2 /NDF:15.9/15

Left: 1355.405 $\pm$ 374.303 χ^2 /NDF: 28.9/33

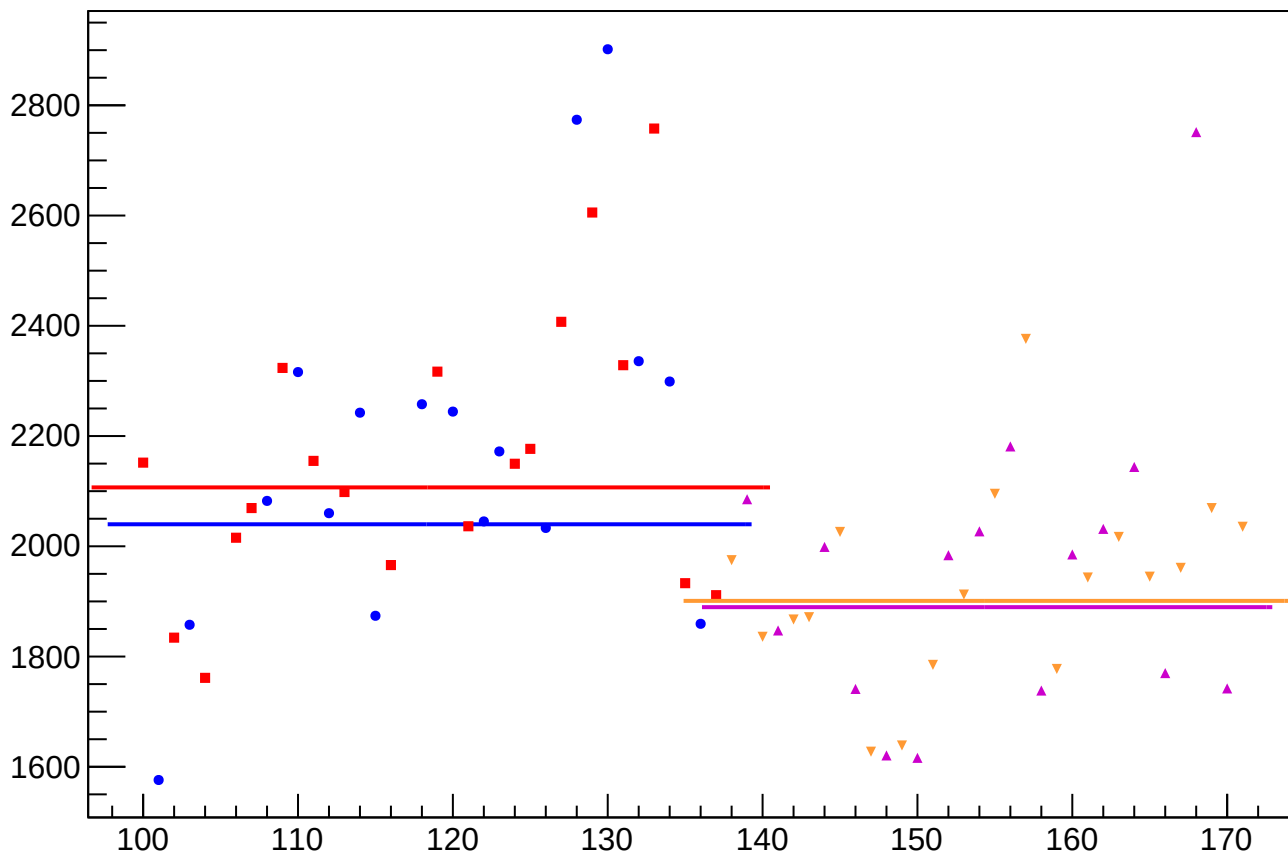
Right: 3021.022 $\pm$ 564.924 χ^2 /NDF: 30.5/35

In: 2108.831 $\pm$ 447.223 χ^2 /NDF:36.6/32

Out: 1630.884 $\pm$ 435.555 χ^2 /NDF:28.2/36

All: 1863.542 $\pm$ 312.028 χ^2 /NDF: 65.4/69

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1900.982 $\pm$ 0.368 χ^2 /NDF:210994.2/17

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

Left In: 1889.586 $\pm$ 0.381 χ^2 /NDF:383662.8/15

Left: 1895.480 $\pm$ 0.265 χ^2 /NDF: 595119.9/33

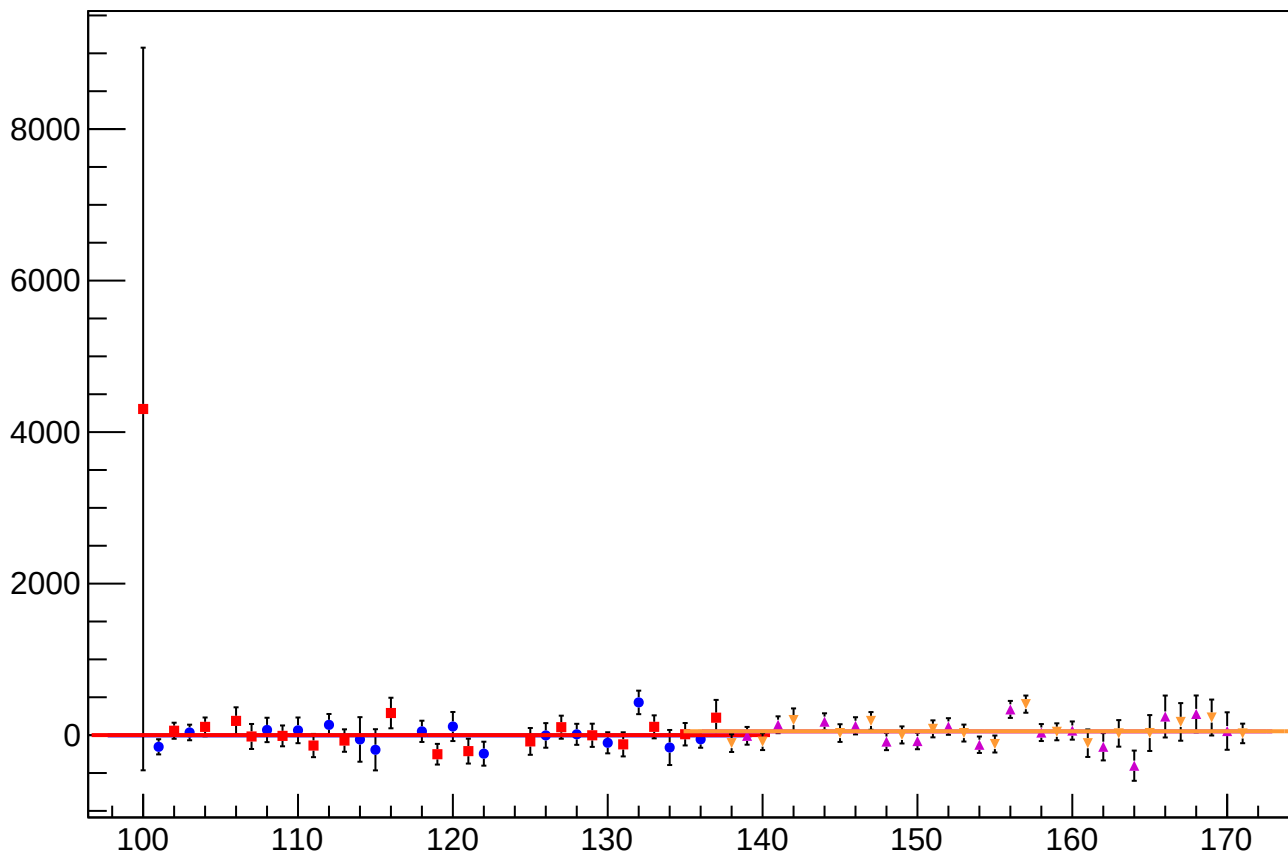
Right: 2073.664 $\pm$ 0.399 χ^2 /NDF: 534442.4/35

In: 1936.311 $\pm$ 0.316 χ^2 /NDF:764066.4/32

Out: 1962.670 $\pm$ 0.308 χ^2 /NDF:500199.6/36

All: 1949.839 $\pm$ 0.221 χ^2 /NDF: 1267831.8/69

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 51.221 ± 31.727 $\chi^2/\text{NDF}: 19.8/16$

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

Left In: 49.027 ± 31.995 $\chi^2/\text{NDF}: 23.0/15$

Left: 50.133 ± 22.529 $\chi^2/\text{NDF}: 42.8/32$

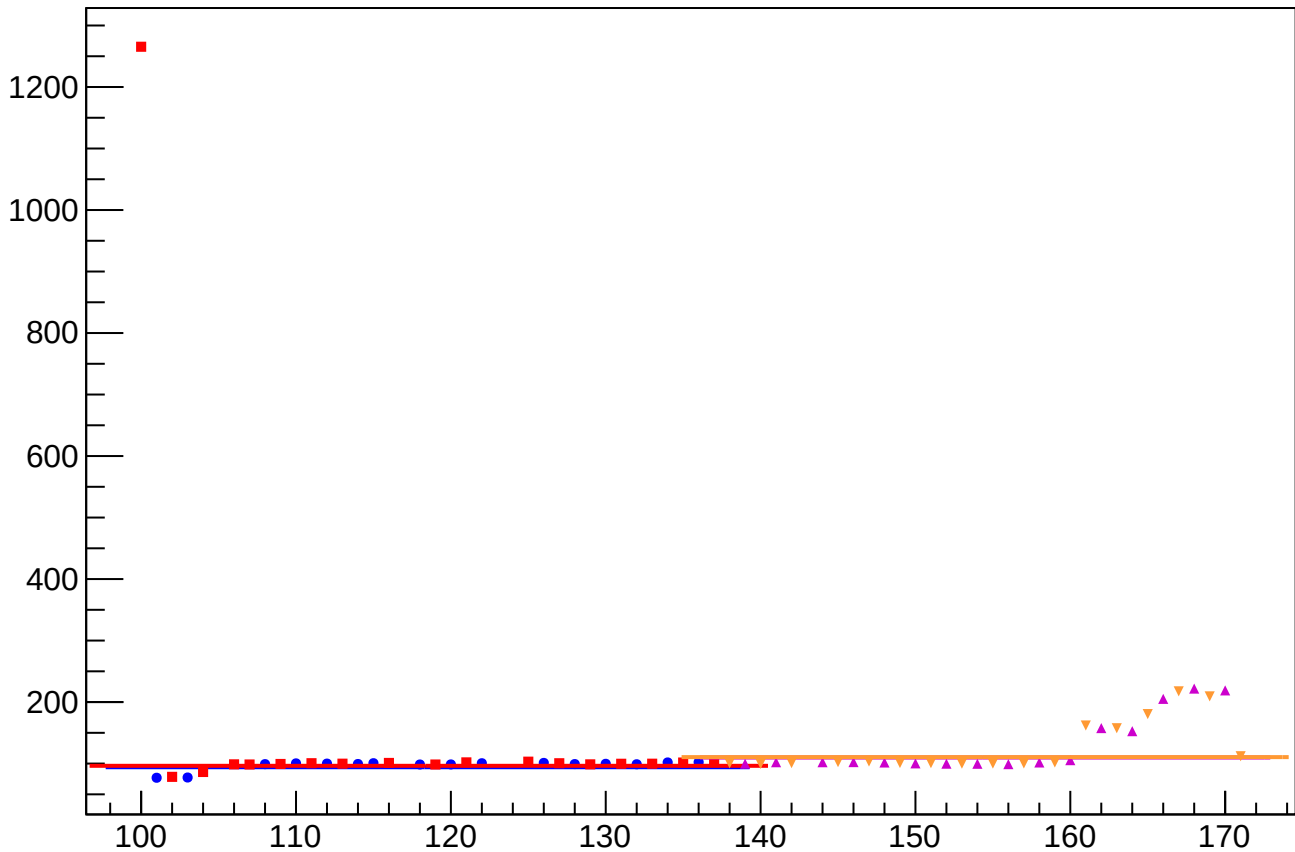
Right: -1.397 ± 25.955 $\chi^2/\text{NDF}: 30.1/33$

In: 26.448 ± 24.121 $\chi^2/\text{NDF}: 40.3/31$

Out: 29.521 ± 24.001 $\chi^2/\text{NDF}: 34.9/34$

All: 27.992 ± 17.014 $\chi^2/\text{NDF}: 75.2/66$

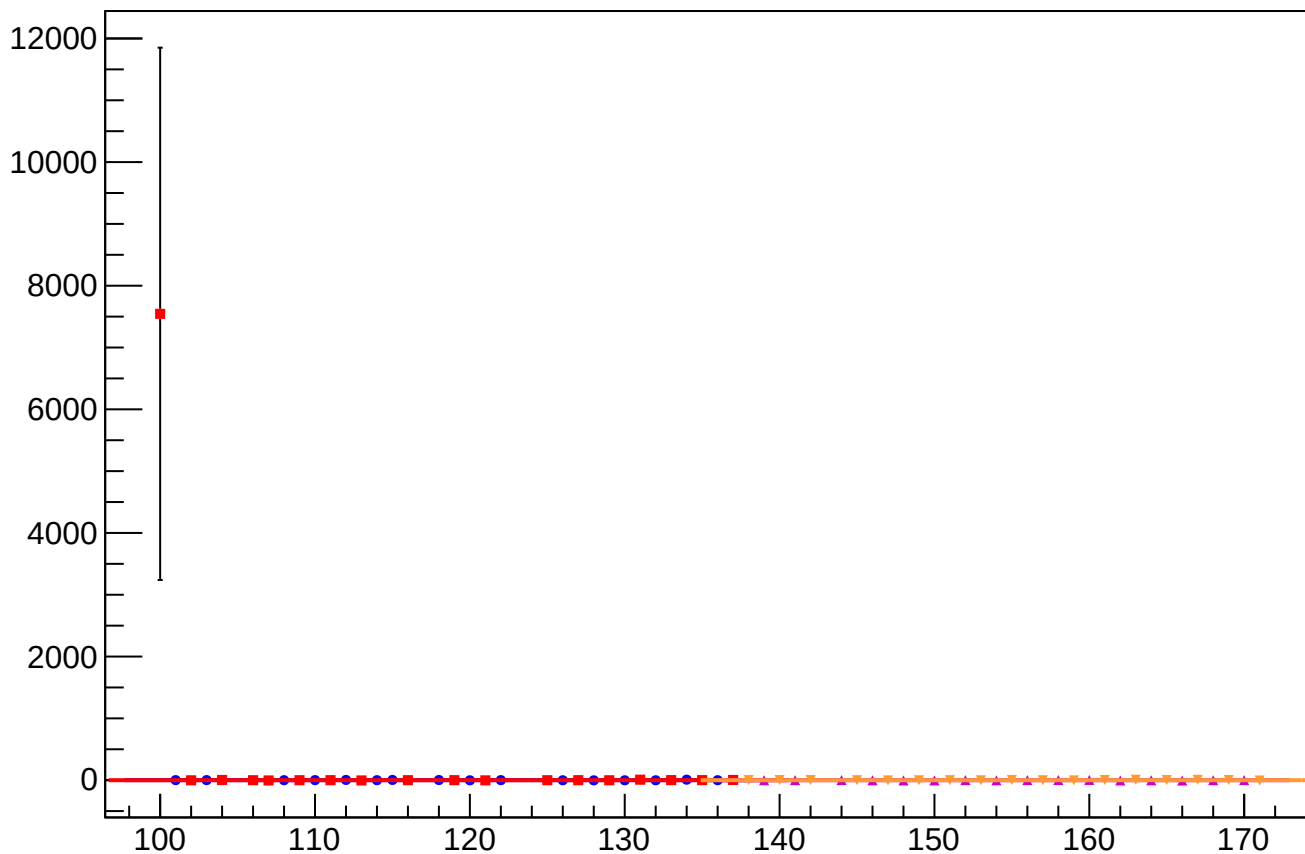
reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.068 $\pm$ 0.026 χ^2 /NDF: 152285.6/15
Left Out: 110.502 $\pm$ 0.022 χ^2 /NDF: 1351376.8/16
Right Out: 96.372 $\pm$ 0.026 χ^2 /NDF: 209228.5/17
Left In: 109.834 $\pm$ 0.023 χ^2 /NDF: 1417327.1/15

Left: 110.171 $\pm$ 0.016 χ^2 /NDF: 2769143.1/32
Right: 95.221 $\pm$ 0.018 χ^2 /NDF: 365453.7/33
In: 103.029 $\pm$ 0.017 χ^2 /NDF: 1779228.1/31
Out: 104.458 $\pm$ 0.017 χ^2 /NDF: 1730275.0/34
All: 103.747 $\pm$ 0.012 χ^2 /NDF: 3513032.3/66

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.581+/-0.557 χ^2/NDF : 24.9/16

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

Left In: -0.075+/-0.587 χ^2/NDF : 21.0/15

Left: -0.341+/-0.404 χ^2/NDF : 46.3/32

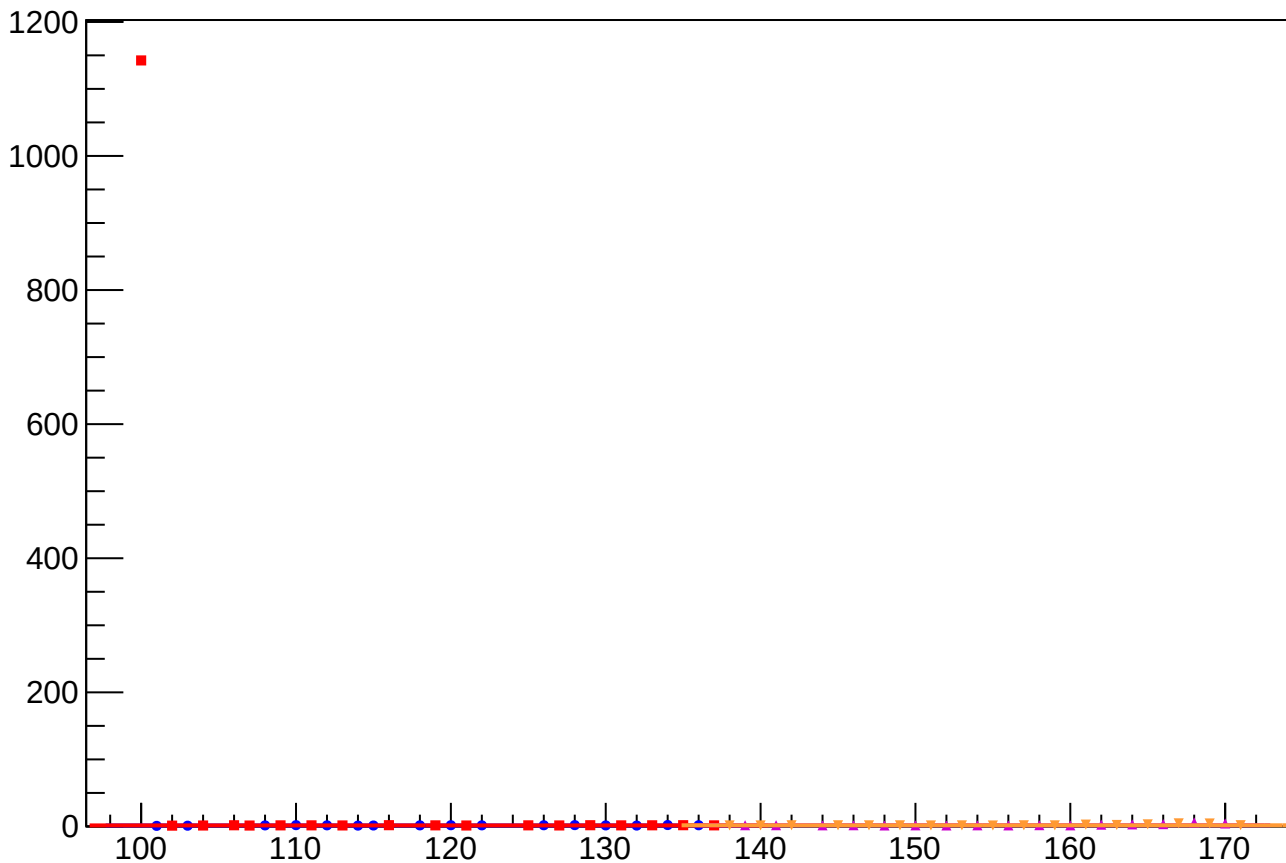
Right: 0.073+/-0.445 χ^2/NDF : 33.2/33

In: 0.164+/-0.425 χ^2/NDF : 31.1/31

Out: -0.466+/-0.421 χ^2/NDF : 47.8/34

All: -0.154+/-0.299 χ^2/NDF : 80.0/66

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.739+/-0.000 χ^2/NDF :1468394.1/16

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

Left In: 1.835+/-0.000 χ^2/NDF :1761068.7/15

Left: 1.784+/-0.000 χ^2/NDF : 3257161.2/32

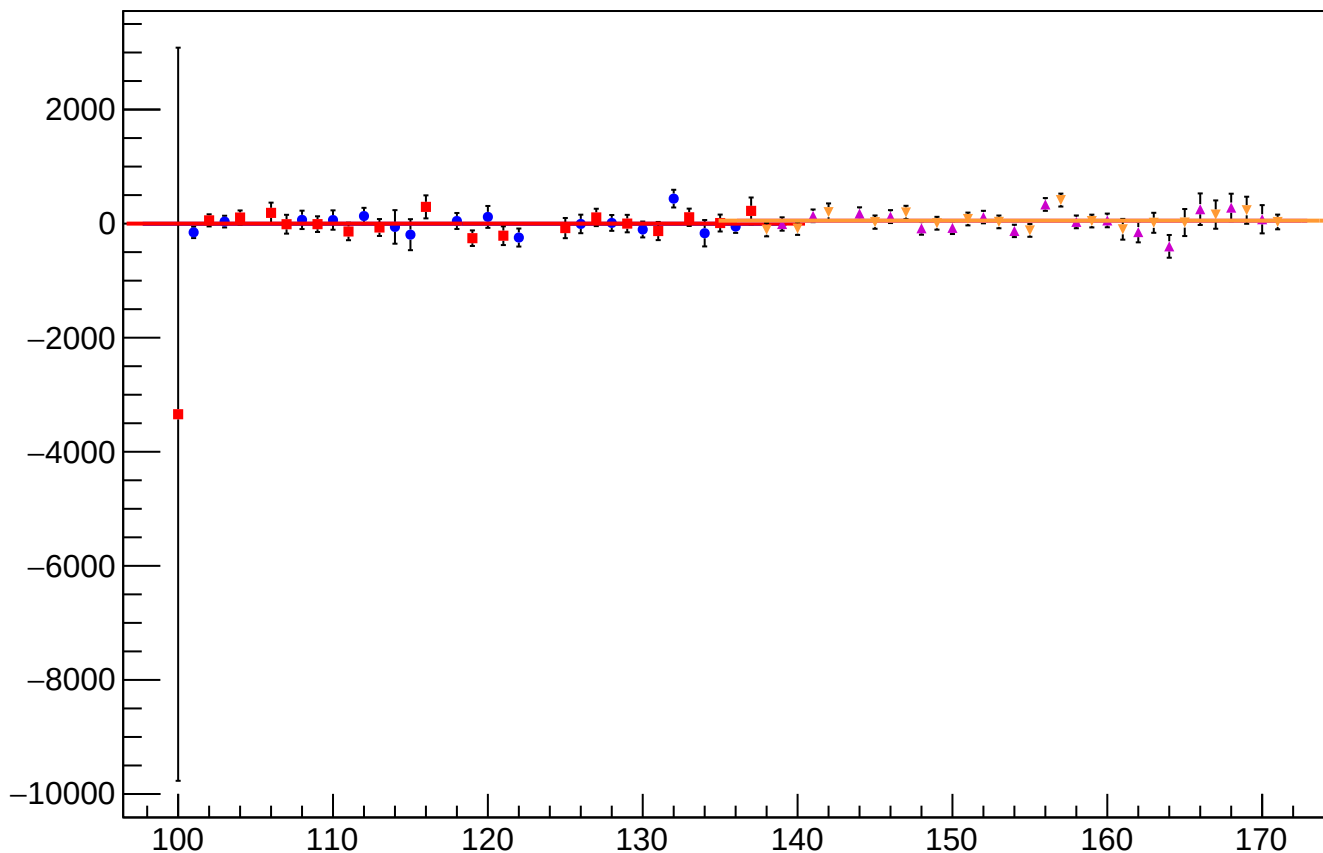
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

In: 1.637+/-0.000 χ^2/NDF :2967821.0/31

Out: 1.660+/-0.000 χ^2/NDF :1877505.9/34

All: 1.649+/-0.000 χ^2/NDF : 4848396.3/66

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 52.138 ± 31.737 χ^2/NDF : 20.2/16

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

Left In: 49.350 ± 32.005 χ^2/NDF : 22.5/15

Left: 50.756 ± 22.536 χ^2/NDF : 42.7/32

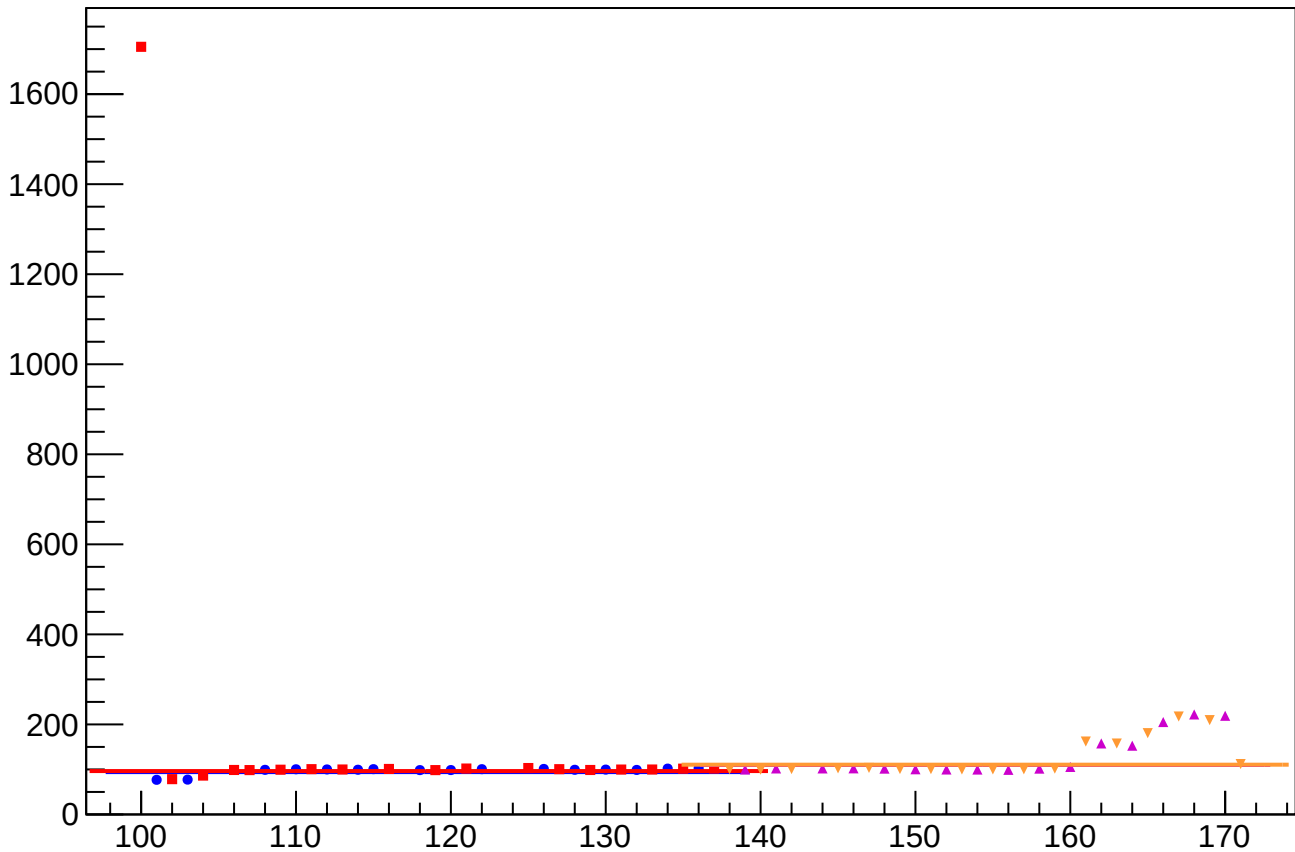
Right: -1.463 ± 25.962 χ^2/NDF : 29.8/33

In: 26.709 ± 24.128 χ^2/NDF : 40.0/31

Out: 29.910 ± 24.008 χ^2/NDF : 34.8/34

All: 28.318 ± 17.018 χ^2/NDF : 74.8/66

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 110.532+/-0.022 χ^2/NDF : 1352712.9/16

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

Left In: 109.864+/-0.023 χ^2/NDF : 1418596.6/15

Left: 110.201+/-0.016 χ^2/NDF : 2771748.6/32

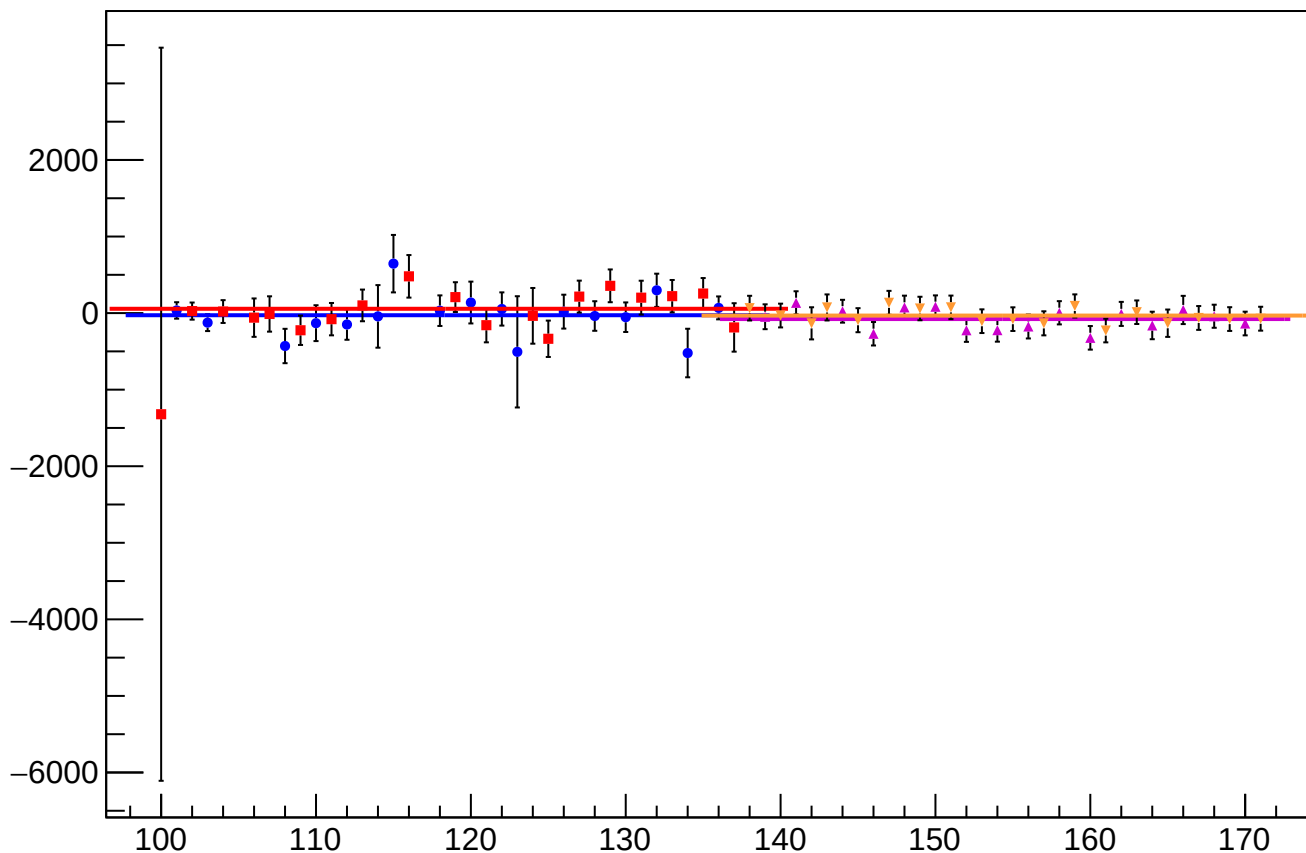
Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33

In: 103.056+/-0.017 χ^2/NDF : 1780551.7/31

Out: 104.479+/-0.017 χ^2/NDF : 1737160.0/34

All: 103.771+/-0.012 χ^2/NDF : 3521207.1/66

reg_asym_dsr_mean vs Slug, Sign Corrected



Right In: -27.840 ± 46.777 $\chi^2/\text{NDF}: 14.3/16$

Left Out: -32.310 ± 37.491 $\chi^2/\text{NDF}: 6.8/17$

Right Out: 56.398 ± 47.708 $\chi^2/\text{NDF}: 14.9/18$

Left In: -77.827 ± 38.976 $\chi^2/\text{NDF}: 12.3/15$

Left: -54.184 ± 27.020 $\chi^2/\text{NDF}: 19.8/33$

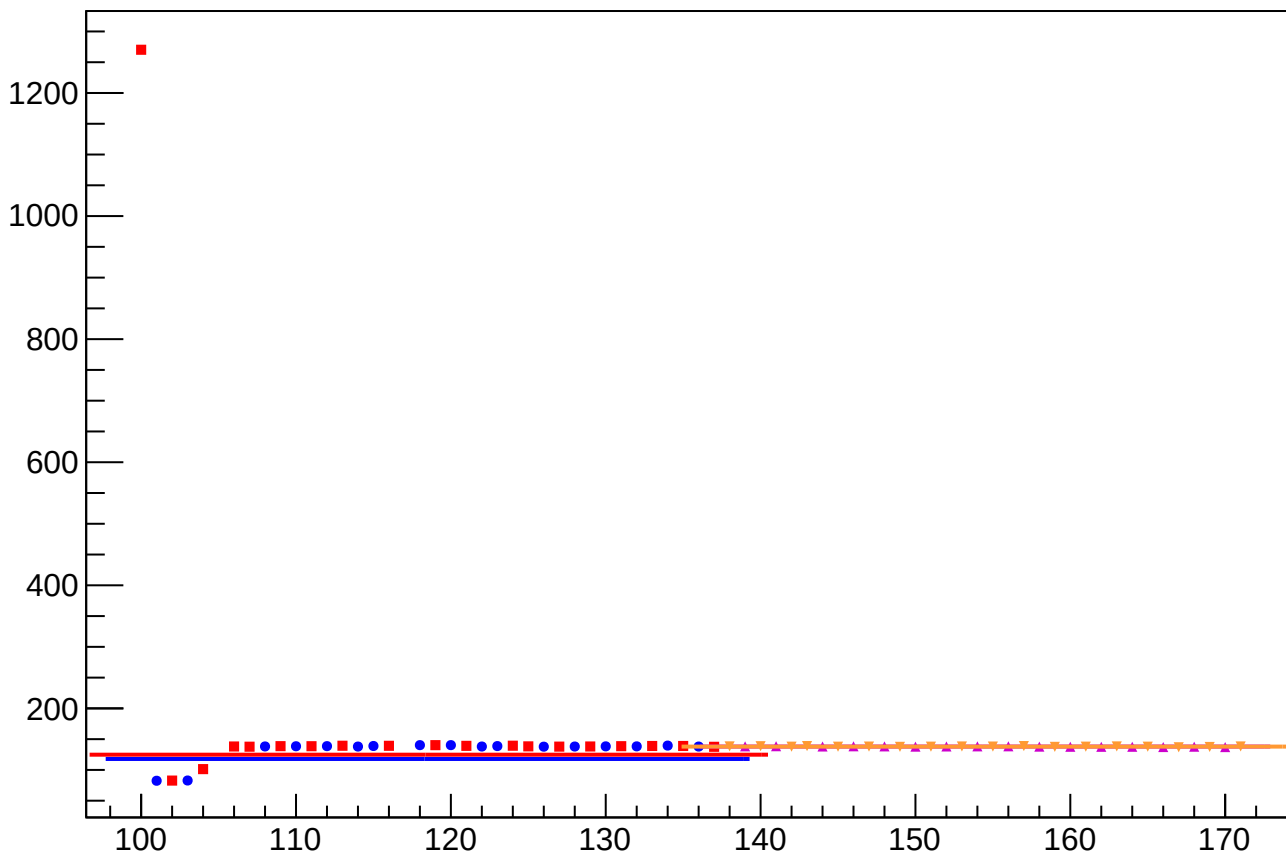
Right: 13.449 ± 33.401 $\chi^2/\text{NDF}: 30.8/35$

In: -57.343 ± 29.944 $\chi^2/\text{NDF}: 27.3/32$

Out: 1.556 ± 29.478 $\chi^2/\text{NDF}: 23.8/36$

All: -27.432 ± 21.007 $\chi^2/\text{NDF}: 53.0/69$

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.913 $\pm$ 0.027 χ^2 /NDF:326.0/17

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

Left In: 137.975 $\pm$ 0.028 χ^2 /NDF:221.3/15

Left: 137.942 $\pm$ 0.019 χ^2 /NDF: 549.9/33

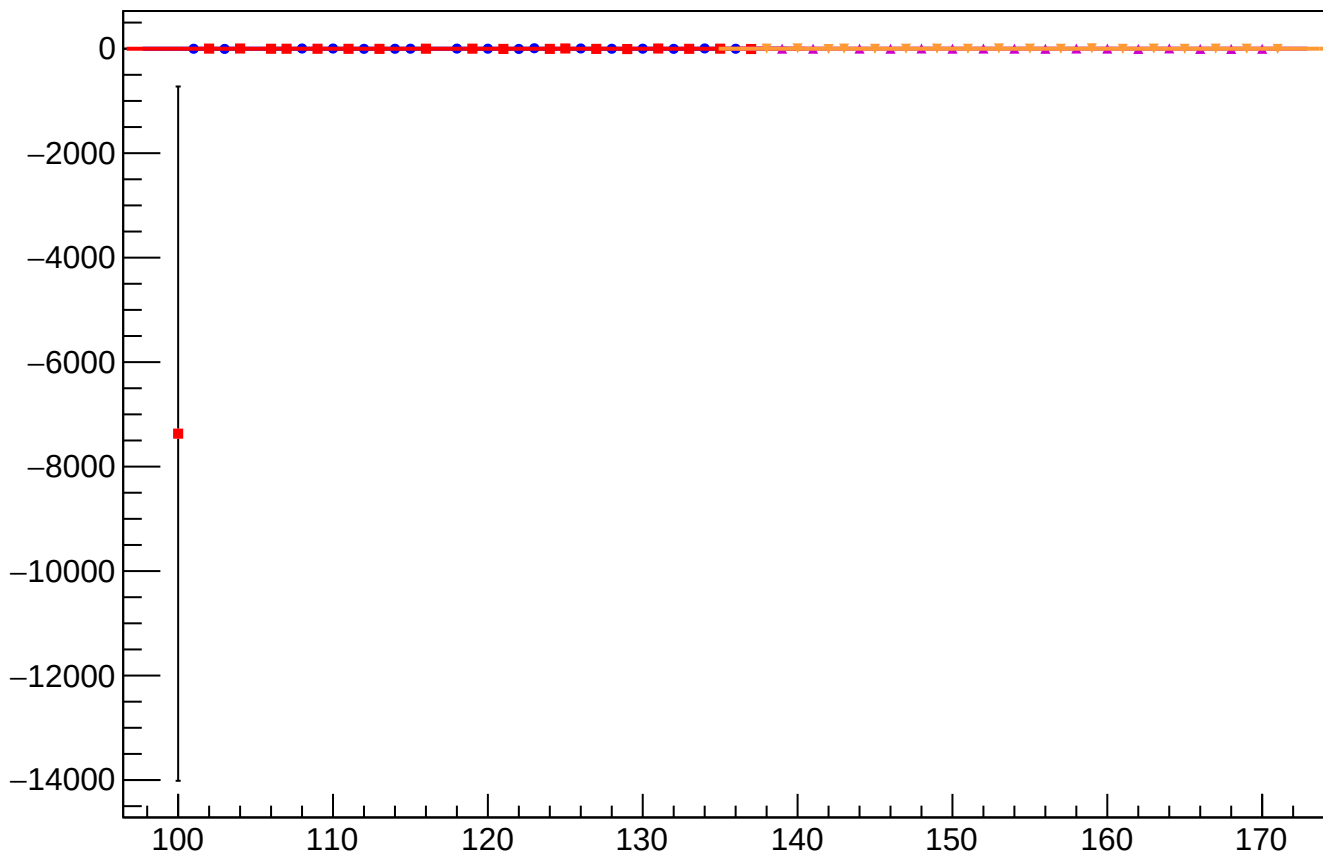
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

In: 129.714 $\pm$ 0.021 χ^2 /NDF:886061.3/32

Out: 132.893 $\pm$ 0.021 χ^2 /NDF:664024.3/36

All: 131.328 $\pm$ 0.015 χ^2 /NDF: 1561533.6/69

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.198 ± 0.654 χ^2/NDF : 22.9/17

Right Out: -0.649 ± 0.851 χ^2/NDF : 13.7/18

Left In: 0.628 ± 0.677 χ^2/NDF : 15.9/15

Left: 0.405 ± 0.471 χ^2/NDF : 39.0/33

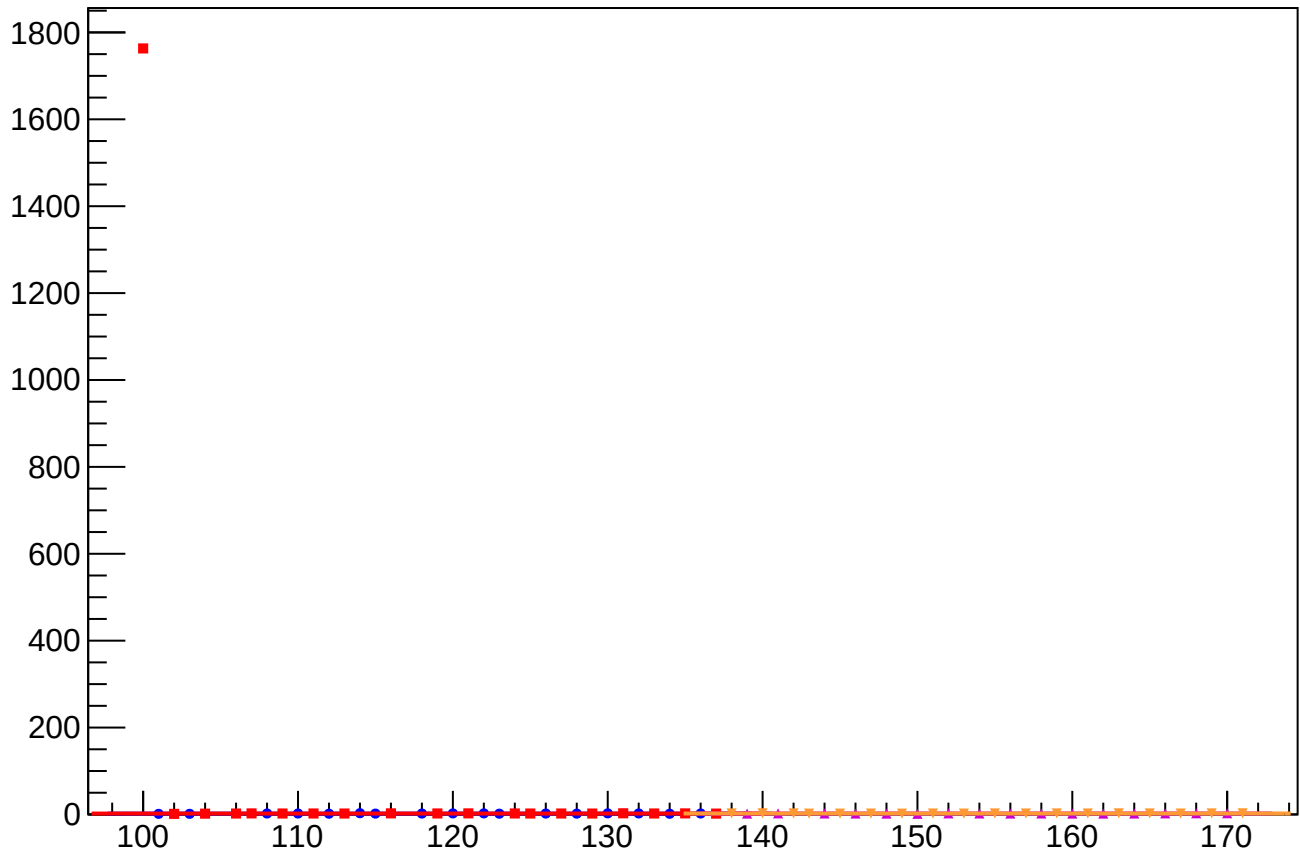
Right: -0.673 ± 0.587 χ^2/NDF : 26.3/35

In: 0.083 ± 0.520 χ^2/NDF : 30.1/32

Out: -0.117 ± 0.519 χ^2/NDF : 37.2/36

All: -0.017 ± 0.367 χ^2/NDF : 67.4/69

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.210 $\pm$ 0.000 χ^2 /NDF: 258575.4/17

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

Left In: 2.158 $\pm$ 0.000 χ^2 /NDF: 440687.0/15

Left: 2.185 $\pm$ 0.000 χ^2 /NDF: 705458.5/33

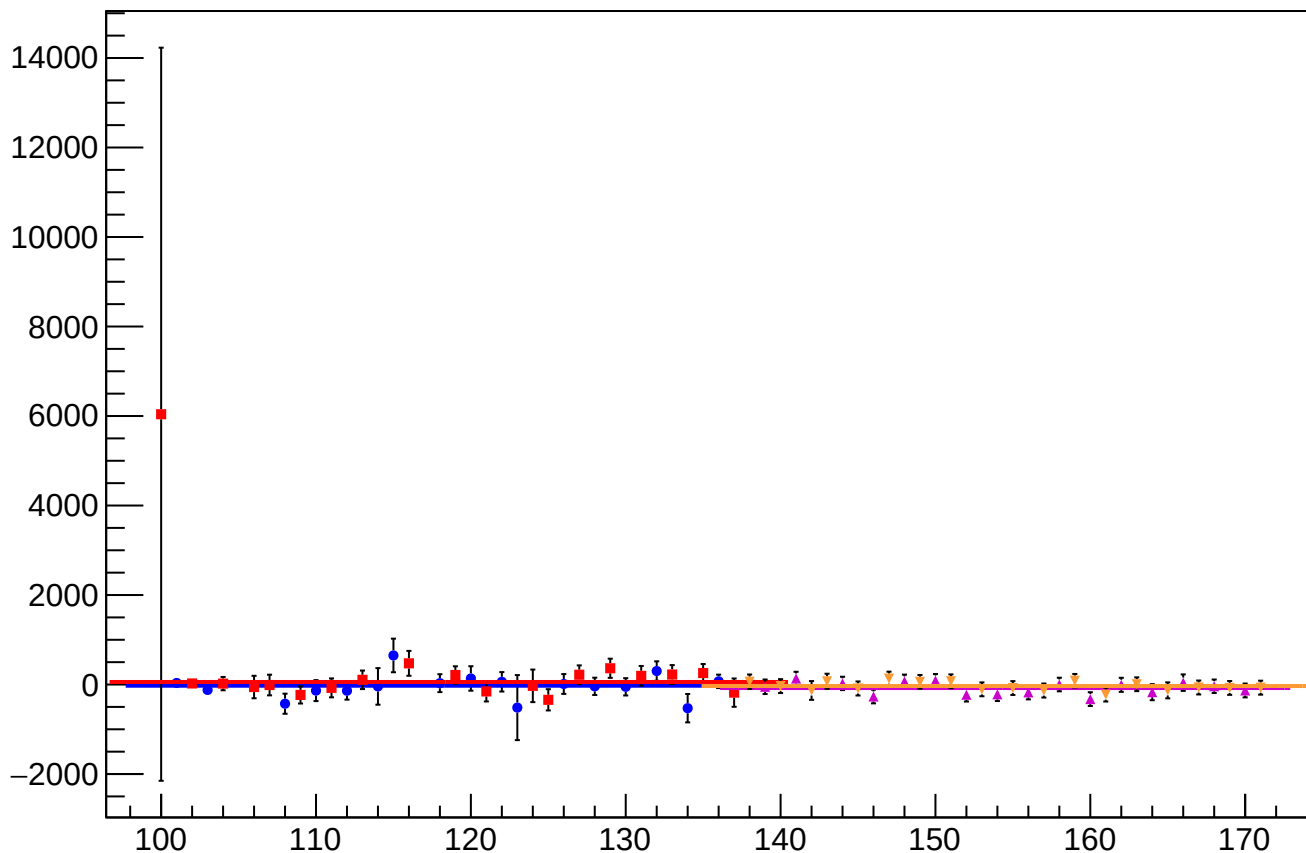
Right: 1.962 $\pm$ 0.000 χ^2 /NDF: 1074296.8/35

In: 2.039 $\pm$ 0.000 χ^2 /NDF: 1083468.6/32

Out: 2.156 $\pm$ 0.000 χ^2 /NDF: 820689.2/36

All: 2.098 $\pm$ 0.000 χ^2 /NDF: 1955178.6/69

asym_dsr_mean vs Slug, Sign Corrected



Right In: -26.258 ± 46.789 $\chi^2/\text{NDF}: 14.4/16$

Left Out: -33.007 ± 37.501 $\chi^2/\text{NDF}: 6.5/17$

Right Out: 57.268 ± 47.722 $\chi^2/\text{NDF}: 15.5/18$

Left In: -78.024 ± 38.987 $\chi^2/\text{NDF}: 12.3/15$

Left: -54.641 ± 27.027 $\chi^2/\text{NDF}: 19.5/33$

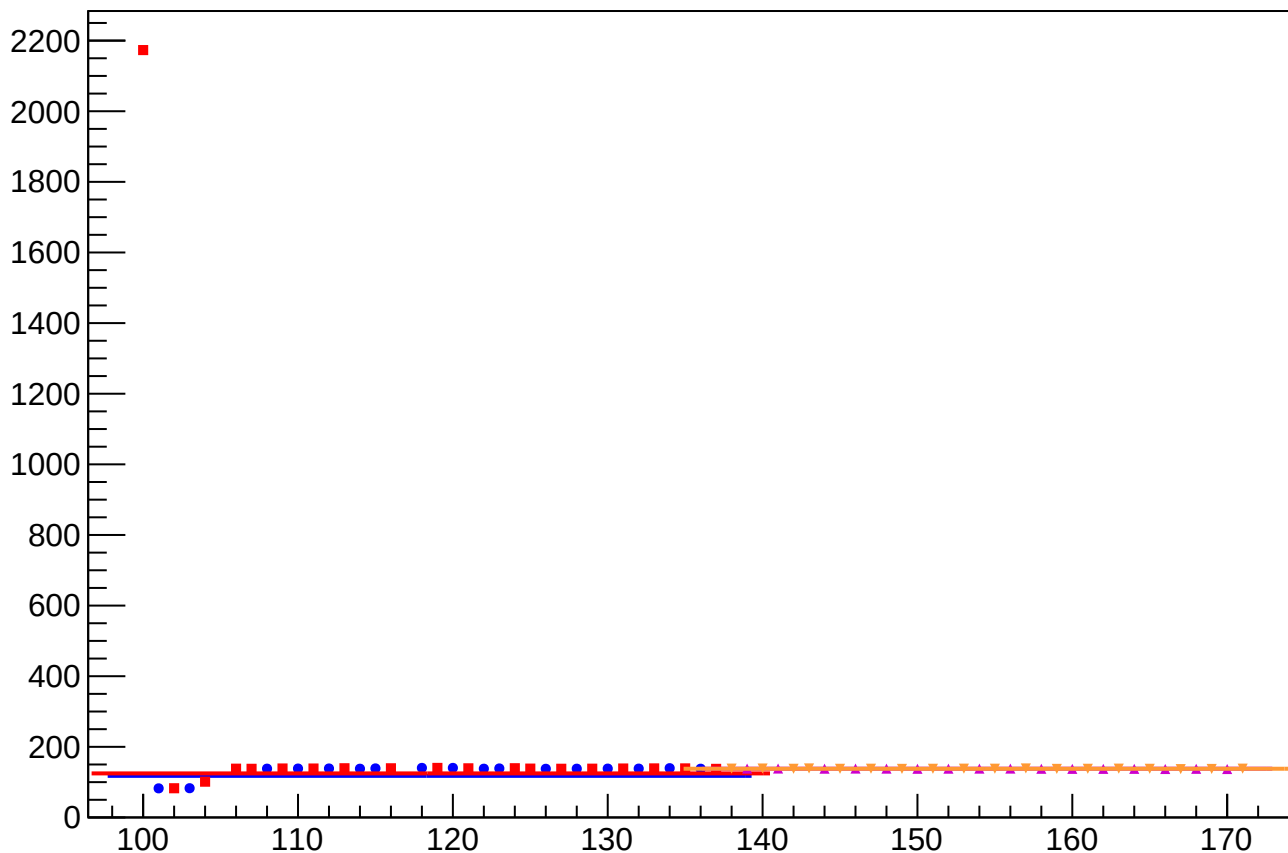
Right: 14.681 ± 33.410 $\chi^2/\text{NDF}: 31.4/35$

In: -56.811 ± 29.952 $\chi^2/\text{NDF}: 27.4/32$

Out: 1.456 ± 29.486 $\chi^2/\text{NDF}: 24.2/36$

All: -27.221 ± 21.013 $\chi^2/\text{NDF}: 53.5/69$

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.950 $\pm$ 0.027 χ^2 /NDF:325.8/17

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

Left In: 138.014 $\pm$ 0.028 χ^2 /NDF:217.8/15

Left: 137.980 $\pm$ 0.019 χ^2 /NDF: 546.4/33

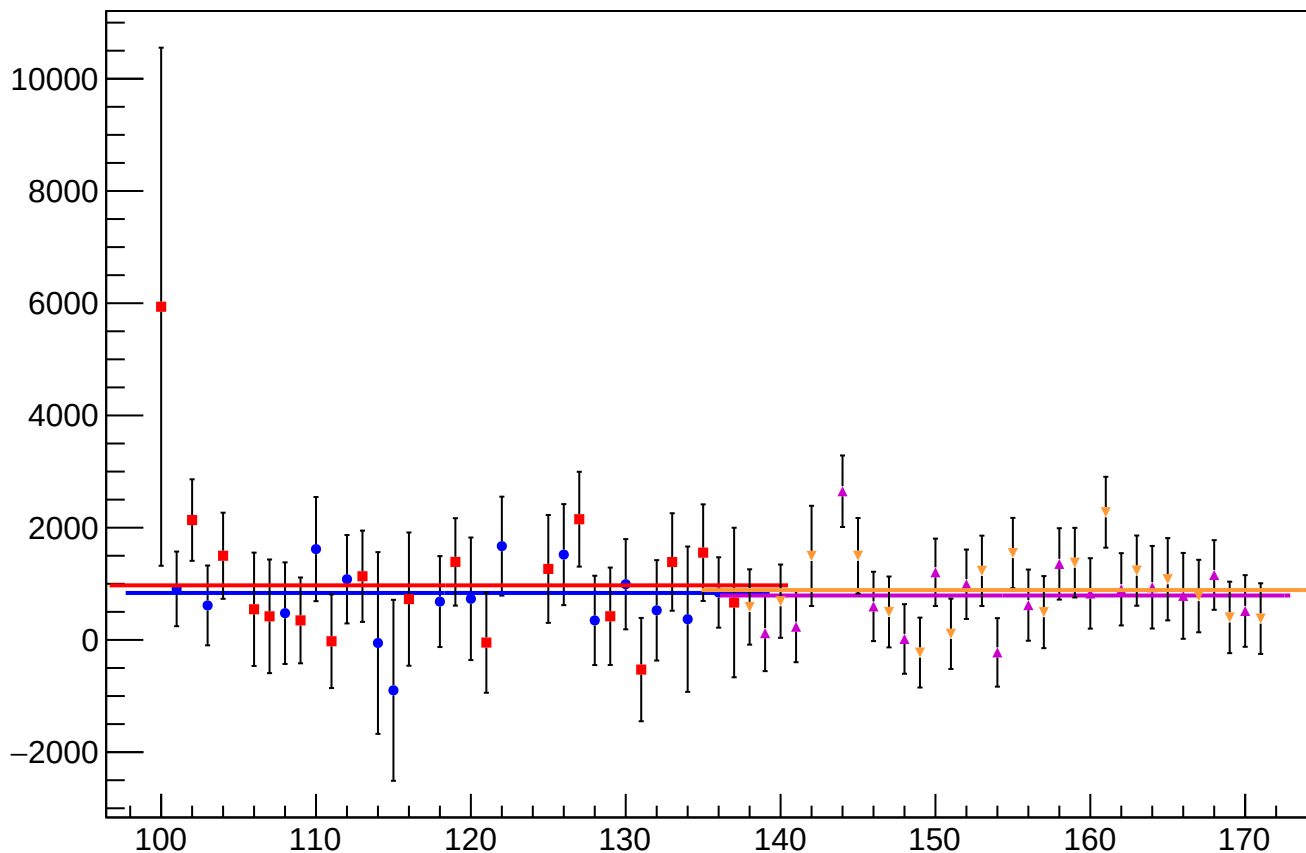
Right: 121.231 $\pm$ 0.024 χ^2 /NDF: 1268326.7/35

In: 129.750 $\pm$ 0.021 χ^2 /NDF:886132.7/32

Out: 132.911 $\pm$ 0.021 χ^2 /NDF:675234.6/36

All: 131.355 $\pm$ 0.015 χ^2 /NDF: 1572686.1/69

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 888.429 ± 157.960 χ^2/NDF : 15.6/16

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

Left In: 791.671 ± 160.215 χ^2/NDF : 16.7/15

Left: 840.736 ± 112.484 χ^2/NDF : 32.5/32

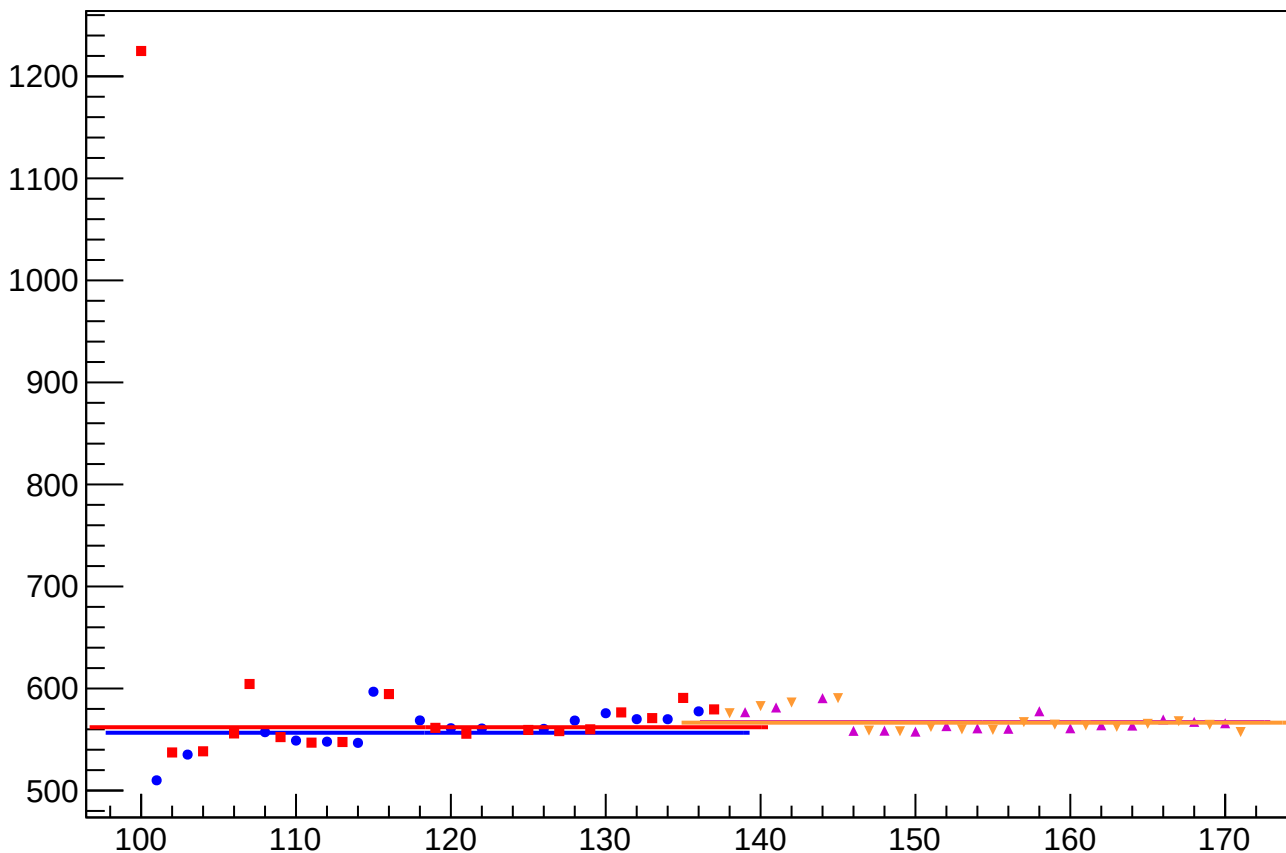
Right: 905.821 ± 151.634 χ^2/NDF : 19.2/33

In: 807.758 ± 128.719 χ^2/NDF : 21.5/31

Out: 918.279 ± 126.824 χ^2/NDF : 29.9/34

All: 863.838 ± 90.341 χ^2/NDF : 51.8/66

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 556.637 $\pm$ 0.153 χ^2 /NDF: 18391.7/15

Left Out: 566.530 $\pm$ 0.112 χ^2 /NDF: 6983.8/16

Right Out: 562.048 $\pm$ 0.150 χ^2 /NDF: 55575.3/17

Left In: 567.118 $\pm$ 0.113 χ^2 /NDF: 6736.5/15

Left: 566.820 $\pm$ 0.080 χ^2 /NDF: 13734.0/32

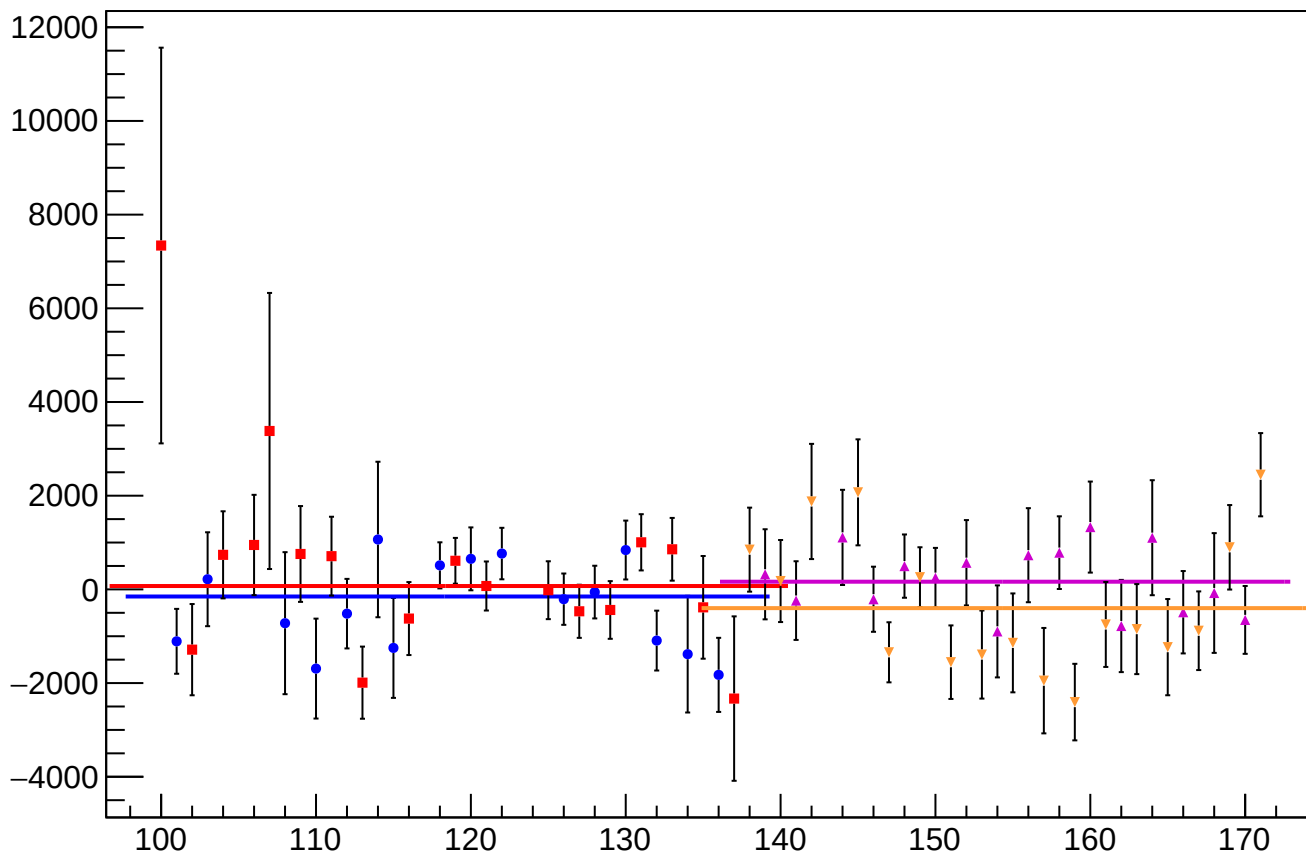
Right: 559.386 $\pm$ 0.107 χ^2 /NDF: 74603.5/33

In: 563.402 $\pm$ 0.091 χ^2 /NDF: 28162.4/31

Out: 564.937 $\pm$ 0.090 χ^2 /NDF: 63131.2/34

All: 564.181 $\pm$ 0.064 χ^2 /NDF: 91437.9/66

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -400.156+/-213.337 χ^2/NDF :39.2/16

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

Left In: 163.890+/-214.867 χ^2/NDF :8.8/15

Left: -120.148+/-151.390 χ^2/NDF : 51.5/32

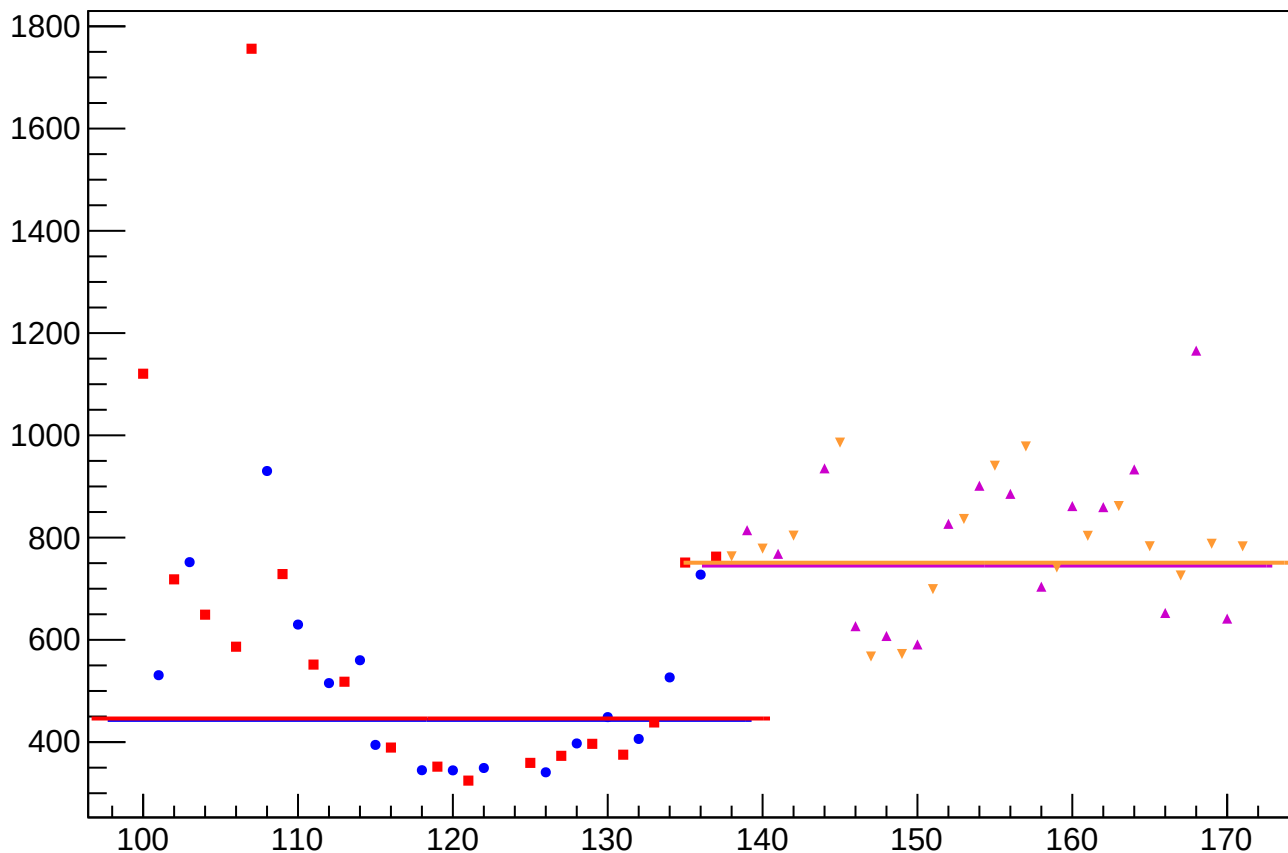
Right: -39.177+/-126.832 χ^2/NDF : 48.1/33

In: -21.593+/-138.016 χ^2/NDF :32.4/31

Out: -122.782+/-136.975 χ^2/NDF :67.1/34

All: -72.571+/-97.222 χ^2/NDF : 99.7/66

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 750.864+/-0.151 χ^2/NDF : 627041.9/16

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

Left In: 745.307+/-0.152 χ^2/NDF : 834235.5/15

Left: 748.105+/-0.107 χ^2/NDF : 1461951.2/32

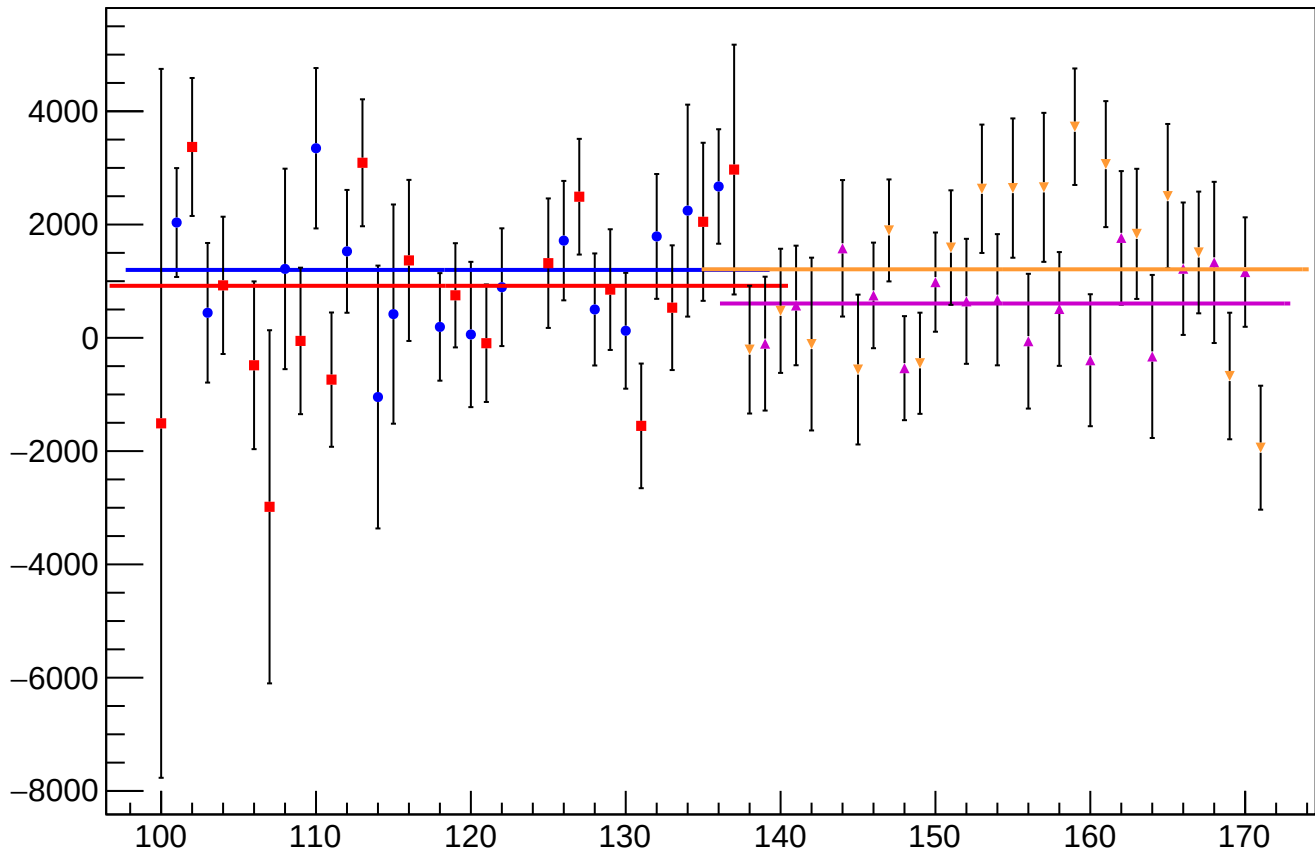
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

In: 567.994+/-0.098 χ^2/NDF : 4213794.2/31

Out: 571.763+/-0.097 χ^2/NDF : 4485270.5/34

All: 569.893+/-0.069 χ^2/NDF : 8699816.0/66

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 1209.748 $\pm$ 269.856 χ^2 /NDF:34.2/16

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

Left In: 605.923 $\pm$ 272.756 χ^2 /NDF:6.1/15

Left: 911.062 $\pm$ 191.834 χ^2 /NDF: 42.8/32

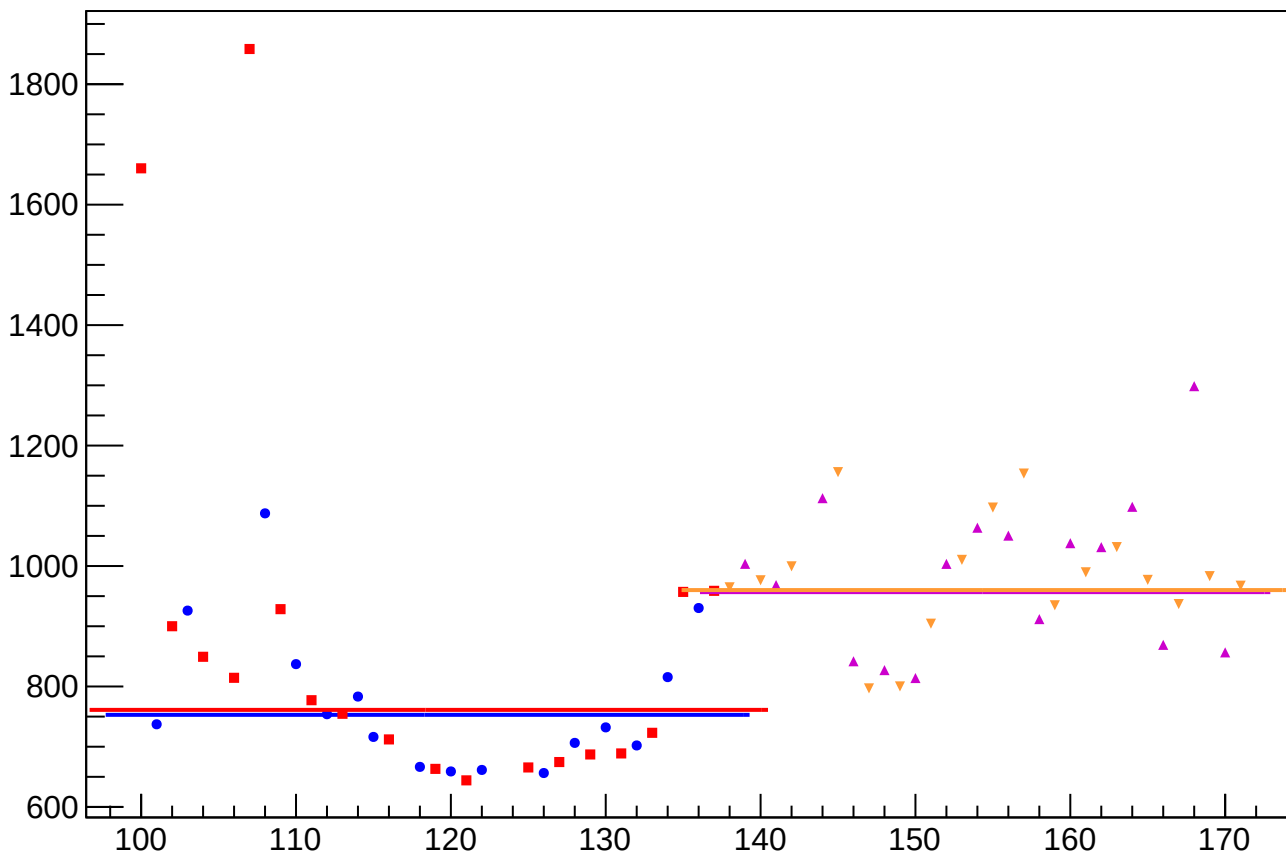
Right: 1057.763 $\pm$ 208.076 χ^2 /NDF: 34.9/33

In: 879.005 $\pm$ 200.346 χ^2 /NDF:19.5/31

Out: 1076.184 $\pm$ 198.587 χ^2 /NDF:57.9/34

All: 978.464 $\pm$ 141.040 χ^2 /NDF: 77.9/66

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 960.058 $\pm$ 0.191 χ^2 /NDF:266214.7/16

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

Left In: 956.670 $\pm$ 0.193 χ^2 /NDF:382430.5/15

Left: 958.382 $\pm$ 0.136 χ^2 /NDF: 648801.2/32

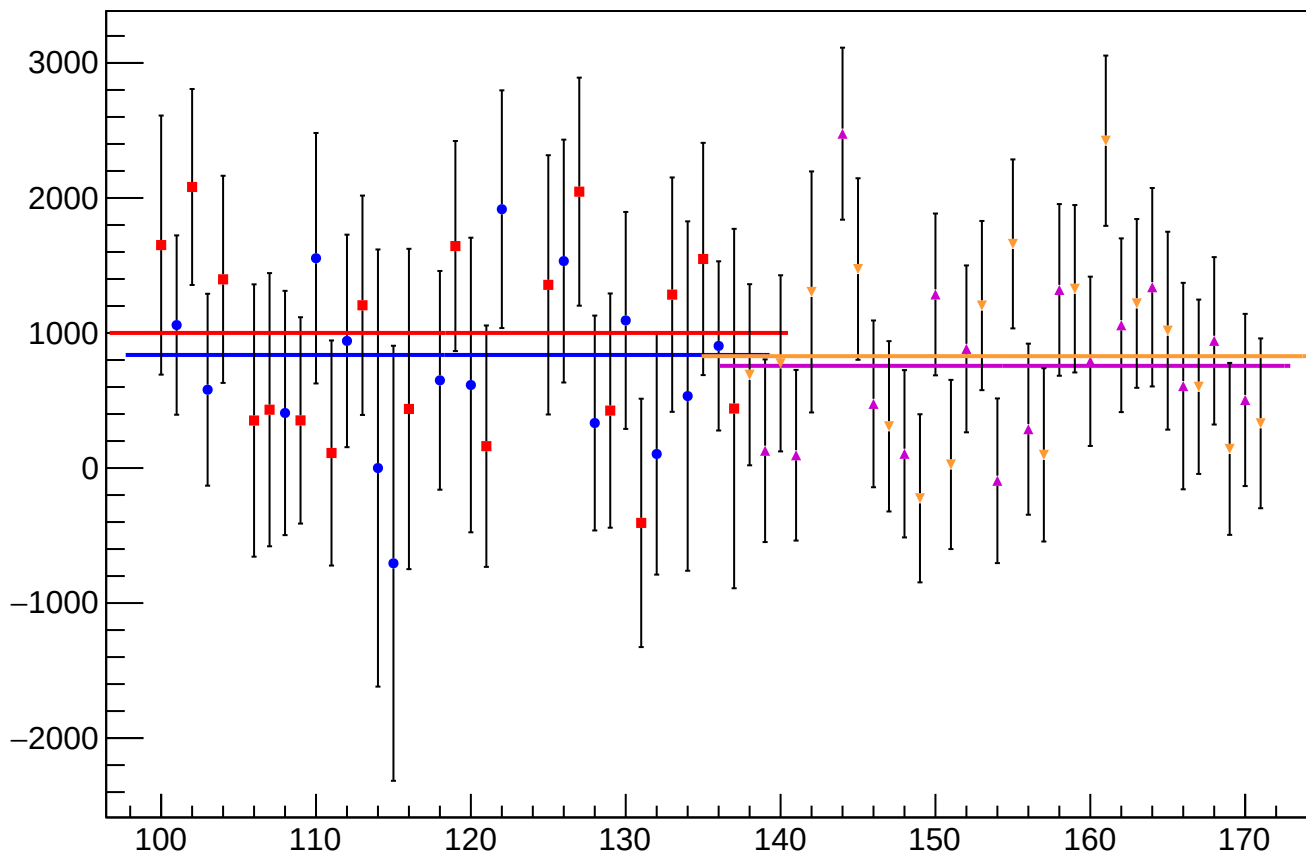
Right: 757.076 $\pm$ 0.147 χ^2 /NDF: 770443.9/33

In: 862.857 $\pm$ 0.142 χ^2 /NDF:1148770.4/31

Out: 868.873 $\pm$ 0.140 χ^2 /NDF:1281456.4/34

All: 865.891 $\pm$ 0.100 χ^2 /NDF: 2431136.6/66

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 828.505 $\pm$ 157.827 χ^2 /NDF:19.3/16

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

Left In: 756.825 $\pm$ 160.083 χ^2 /NDF:15.8/15

Left: 793.174 $\pm$ 112.390 χ^2 /NDF: 35.2/32

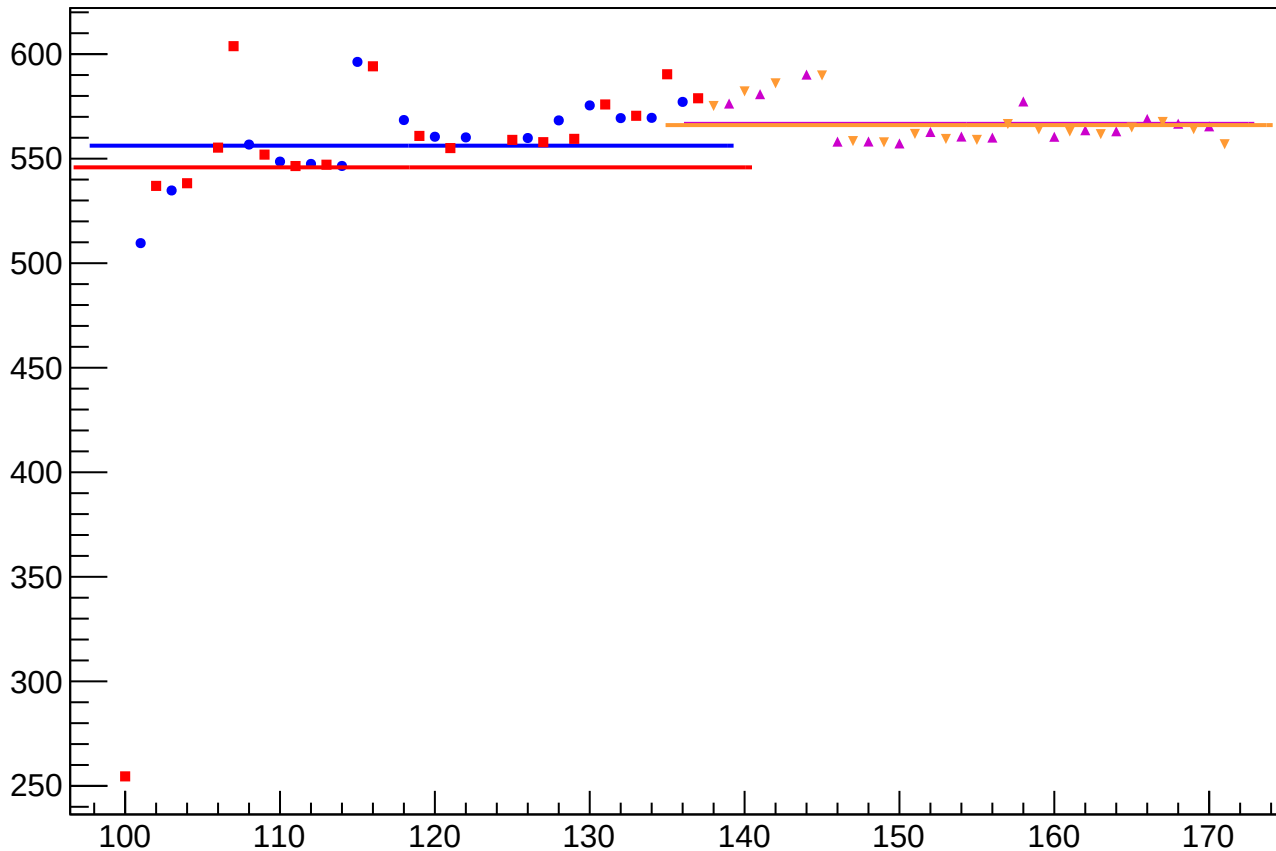
Right: 922.267 $\pm$ 149.737 χ^2 /NDF: 18.5/33

In: 785.445 $\pm$ 128.615 χ^2 /NDF:21.6/31

Out: 891.488 $\pm$ 125.674 χ^2 /NDF:32.2/34

All: 839.693 $\pm$ 89.887 χ^2 /NDF: 54.2/66

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 566.052 $\pm$ 0.112 χ^2 /NDF: 6931.5/16

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

Left In: 566.649 $\pm$ 0.113 χ^2 /NDF: 6766.5/15

Left: 566.346 $\pm$ 0.079 χ^2 /NDF: 13712.2/32

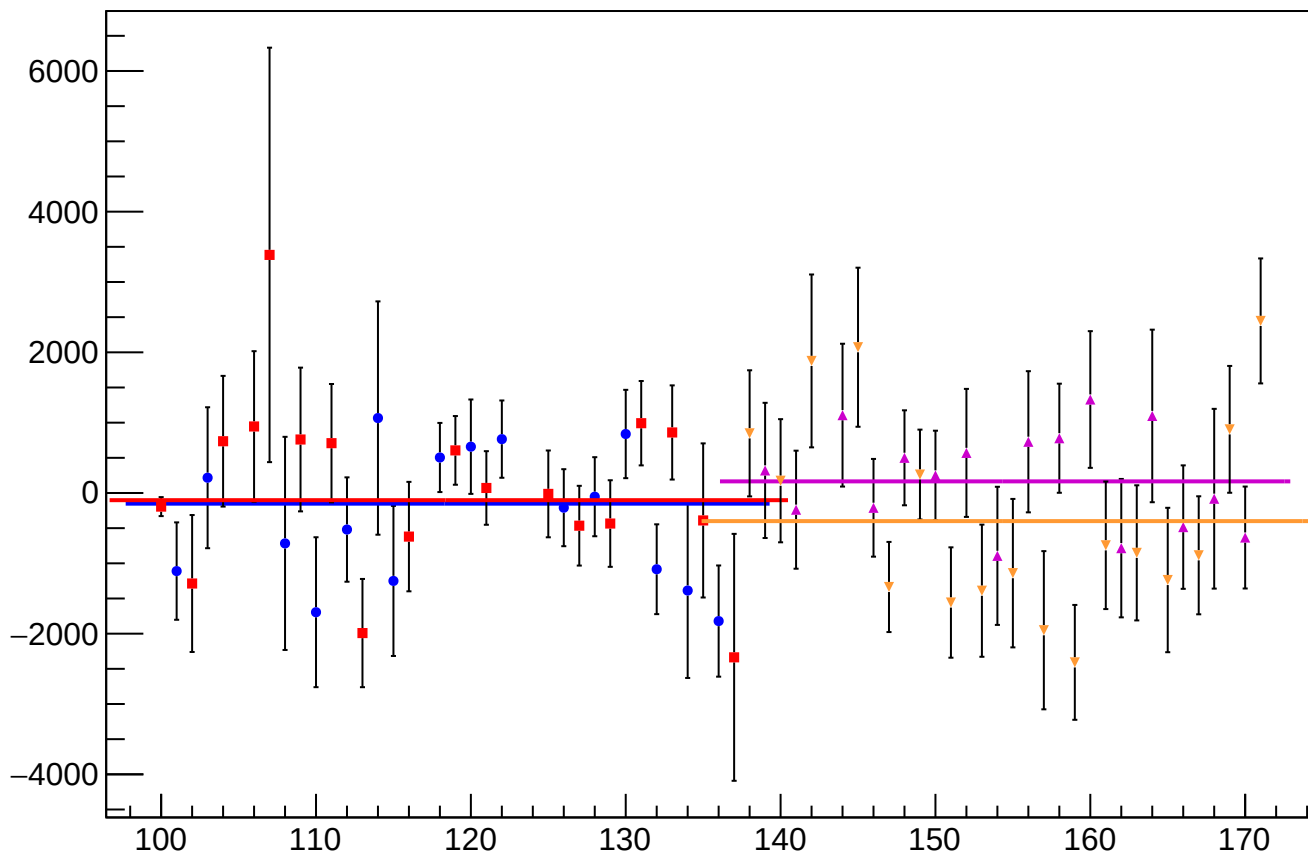
Right: 550.825 $\pm$ 0.106 χ^2 /NDF: 228450.1/33

In: 562.948 $\pm$ 0.091 χ^2 /NDF: 28198.6/31

Out: 558.657 $\pm$ 0.089 χ^2 /NDF: 226570.2/34

All: 560.753 $\pm$ 0.064 χ^2 /NDF: 255907.7/66

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -399.804+/-213.249 χ^2/NDF : 39.2/16

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

Left In: 165.249+/-214.768 χ^2/NDF : 8.7/15

Left: -119.283+/-151.324 χ^2/NDF : 51.4/32

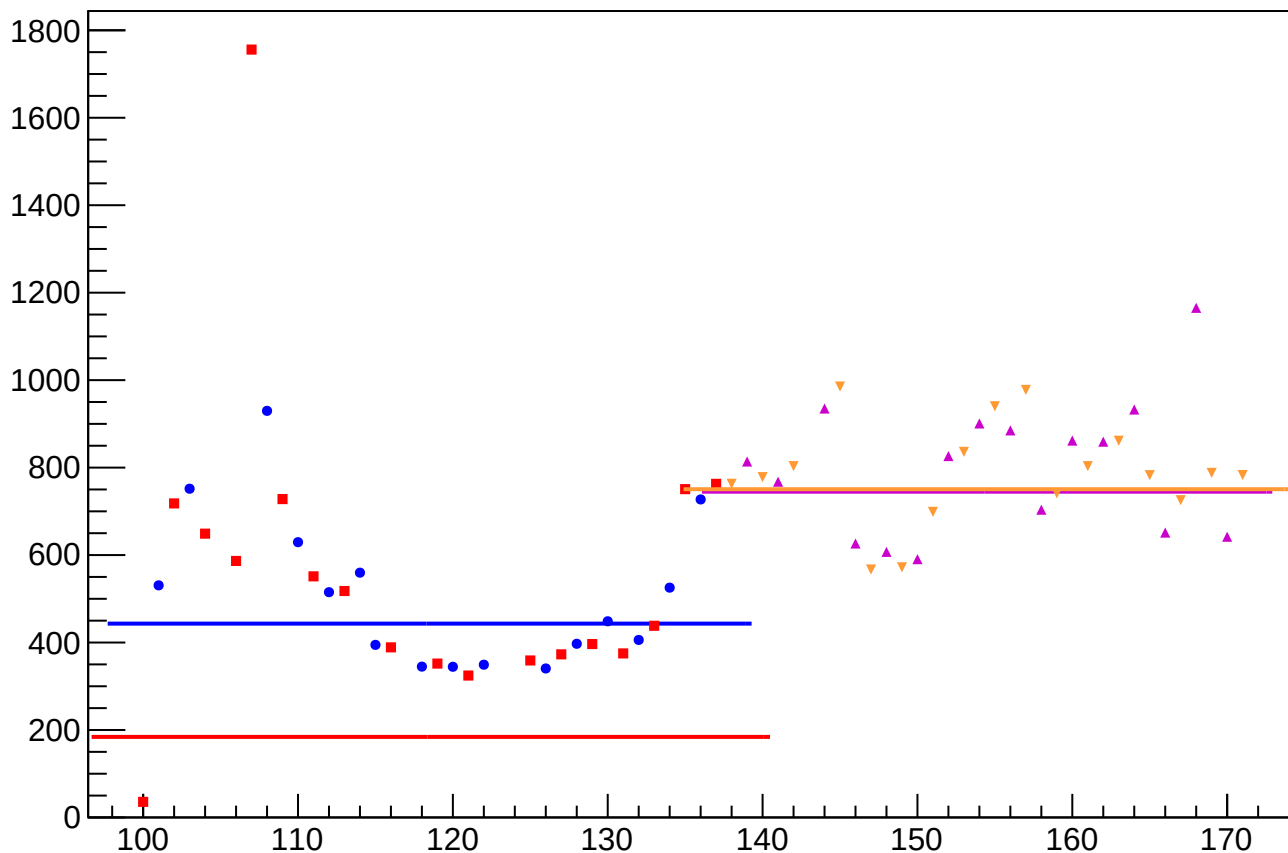
Right: -115.099+/-92.423 χ^2/NDF : 45.6/33

In: -20.791+/-137.951 χ^2/NDF : 32.3/31

Out: -162.593+/-96.140 χ^2/NDF : 64.0/34

All: -116.236+/-78.875 χ^2/NDF : 97.0/66

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 750.569+/-0.151 χ^2/NDF : 627631.9/16

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

Left In: 744.959+/-0.152 χ^2/NDF : 834467.1/15

Left: 747.784+/-0.107 χ^2/NDF : 1462786.2/32

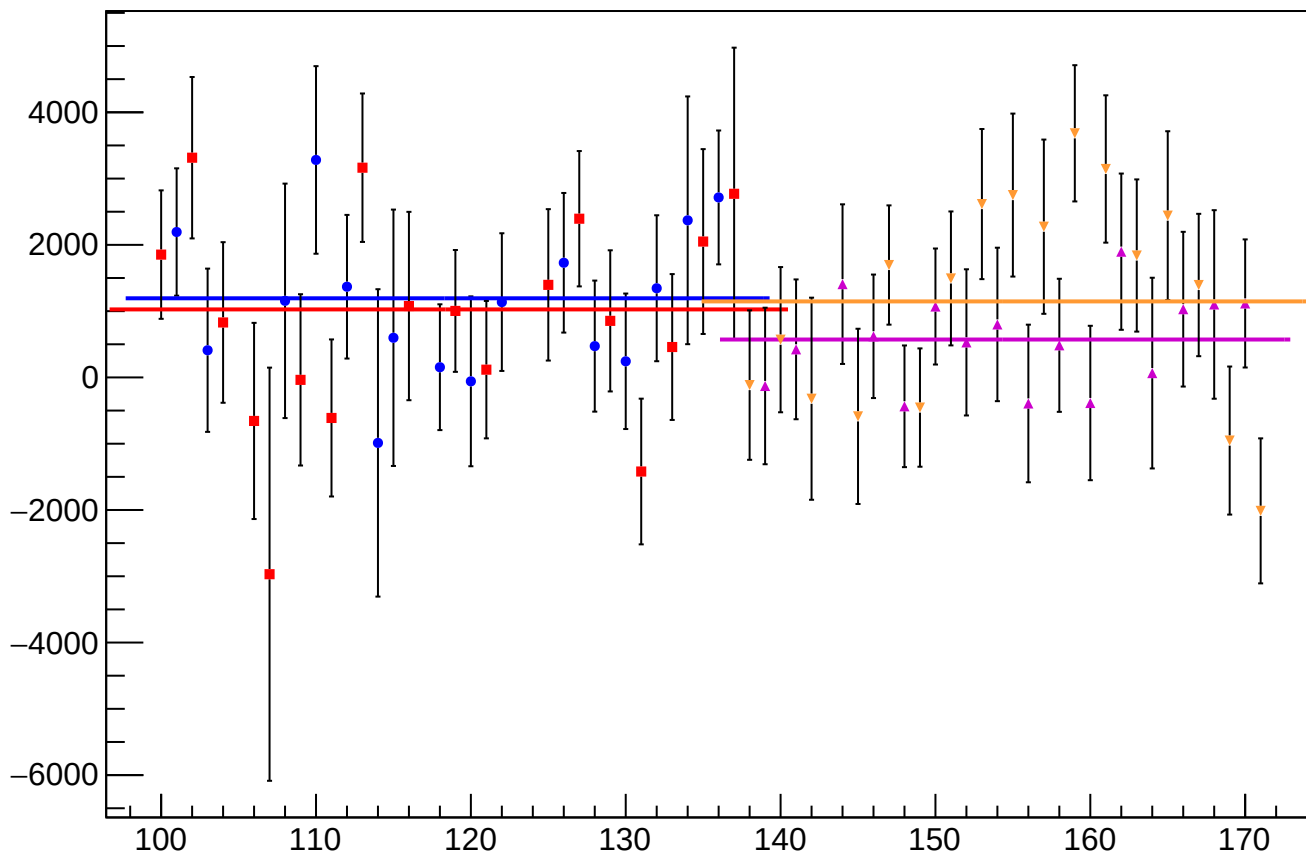
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

In: 567.724+/-0.098 χ^2/NDF : 4213948.2/31

Out: 299.328+/-0.068 χ^2/NDF : 19947069.8/34

All: 387.070+/-0.056 χ^2/NDF : 29256709.9/66

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 1146.926 $\pm$ 269.701 χ^2/NDF : 34.7/16

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

Left In: 571.847 $\pm$ 272.594 χ^2/NDF : 5.8/15

Left: 862.454 $\pm$ 191.722 χ^2/NDF : 42.7/32

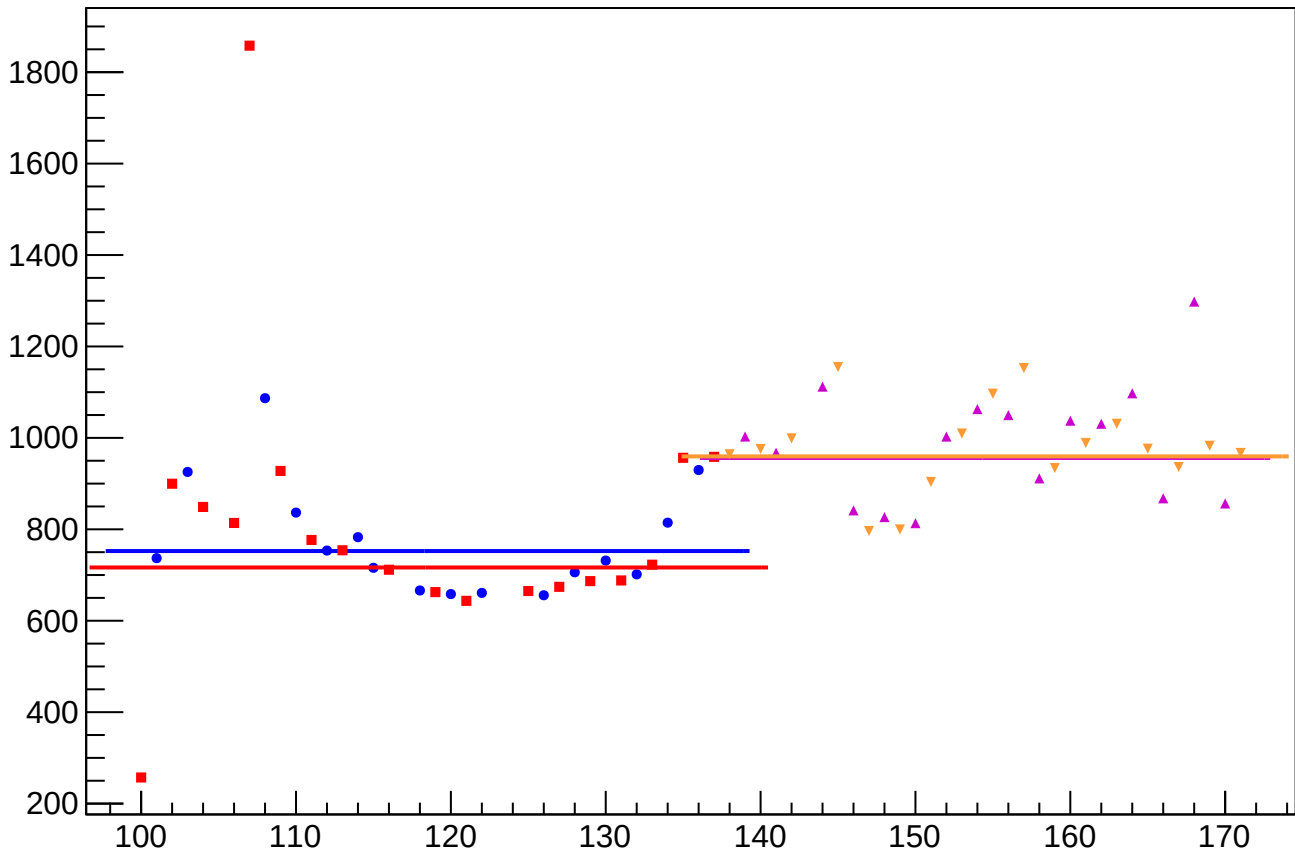
Right: 1105.849 $\pm$ 203.414 χ^2/NDF : 33.9/33

In: 858.285 $\pm$ 200.221 χ^2/NDF : 19.3/31

Out: 1088.967 $\pm$ 194.520 χ^2/NDF : 57.3/34

All: 976.957 $\pm$ 139.518 χ^2/NDF : 77.3/66

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 752.429 $\pm$ 0.209 χ^2/NDF : 252705.1/15

Left Out: 959.516 $\pm$ 0.191 χ^2/NDF :266174.1/16

Right Out: 716.522 $\pm$ 0.199 χ^2/NDF : 966934.7/17

Left In: 956.096 $\pm$ 0.193 χ^2/NDF :382686.2/15

Left: 957.824 $\pm$ 0.136 χ^2/NDF : 649019.4/32

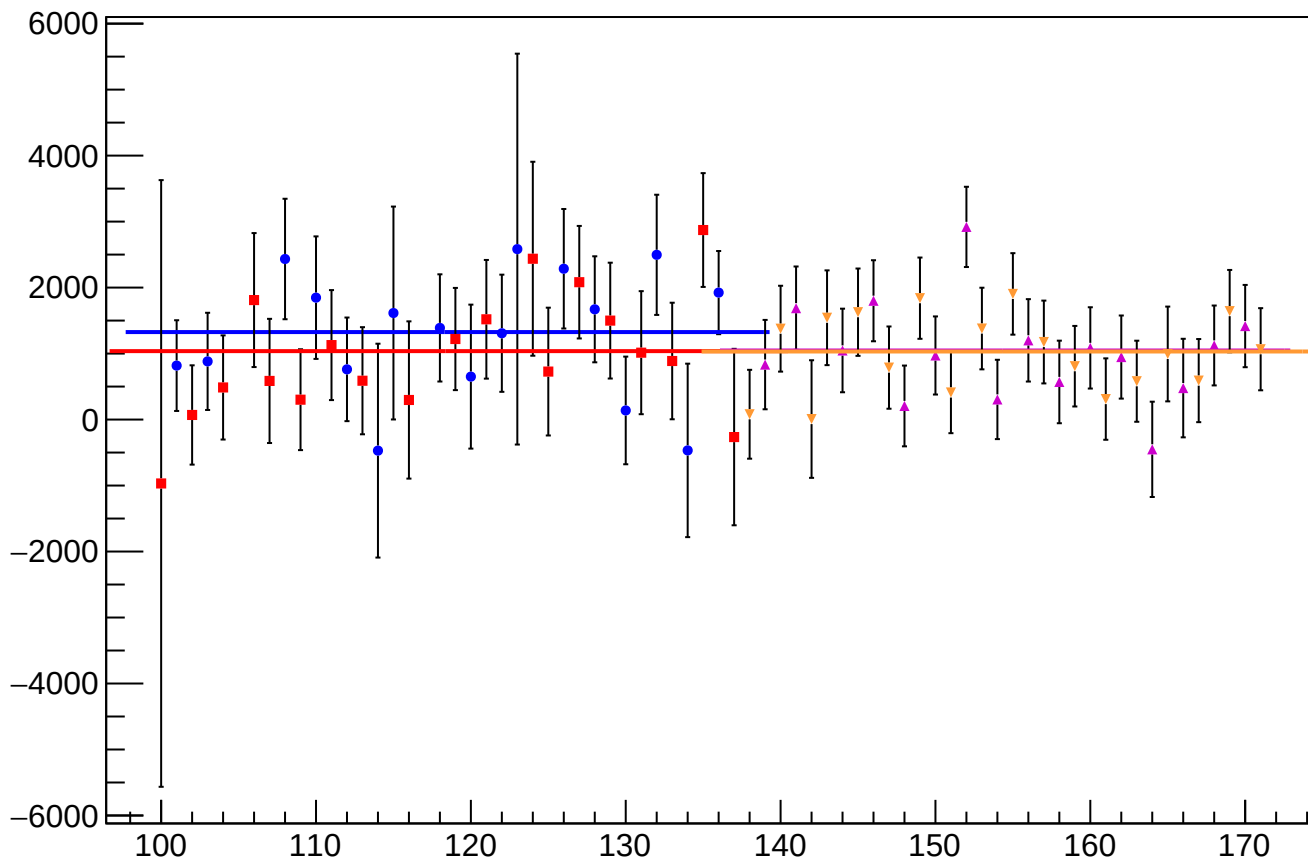
Right: 733.589 $\pm$ 0.144 χ^2/NDF : 1235181.4/33

In: 862.305 $\pm$ 0.142 χ^2/NDF :1149528.3/31

Out: 842.926 $\pm$ 0.138 χ^2/NDF :2012082.1/34

All: 852.336 $\pm$ 0.099 χ^2/NDF : 3171249.5/66

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1031.535 $\pm$ 152.077 χ^2 /NDF:13.7/17

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

Left In: 1046.398 $\pm$ 157.875 χ^2 /NDF:21.5/15

Left: 1038.689 $\pm$ 109.527 χ^2 /NDF: 35.1/33

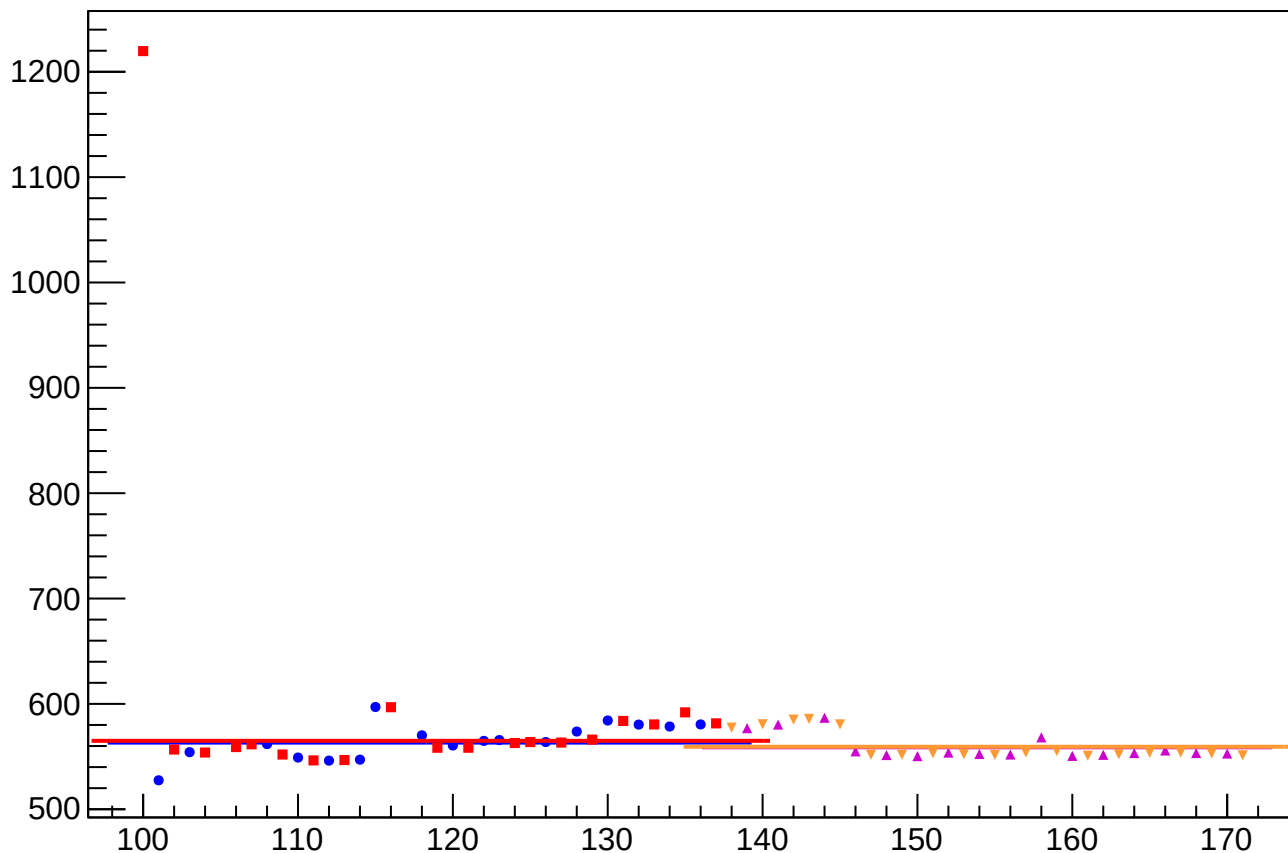
Right: 1177.020 $\pm$ 151.865 χ^2 /NDF: 27.2/35

In: 1142.452 $\pm$ 127.887 χ^2 /NDF:35.4/32

Out: 1033.406 $\pm$ 123.488 χ^2 /NDF:27.1/36

All: 1086.021 $\pm$ 88.834 χ^2 /NDF: 62.9/69

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 559.300+/-0.108 χ^2/NDF :13161.2/17

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

Left In: 558.790+/-0.112 χ^2/NDF :10619.1/15

Left: 559.055+/-0.077 χ^2/NDF : 23791.2/33

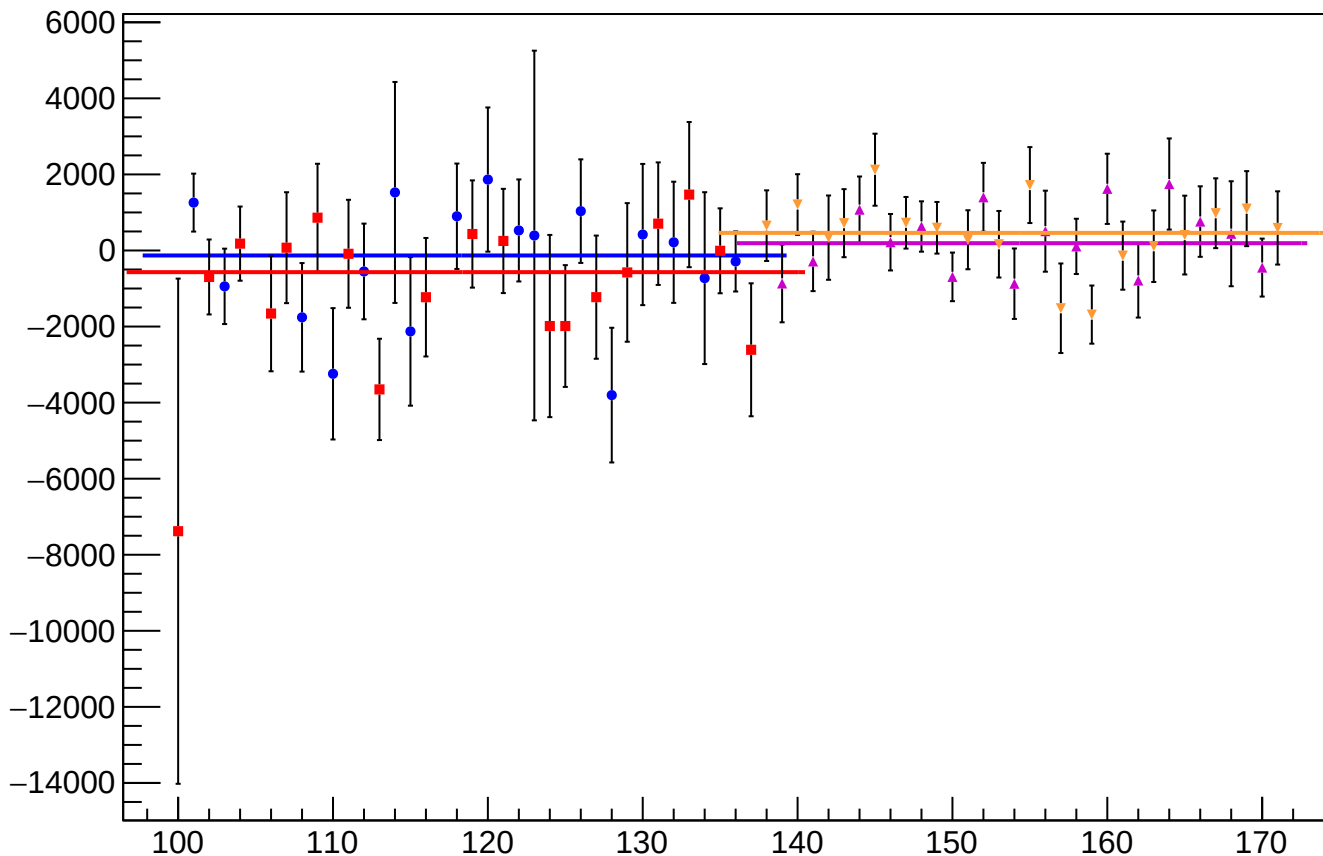
Right: 564.130+/-0.107 χ^2/NDF : 61877.2/35

In: 560.329+/-0.090 χ^2/NDF :23691.9/32

Out: 561.223+/-0.087 χ^2/NDF :63395.5/36

All: 560.791+/-0.063 χ^2/NDF : 87137.9/69

asym_right_avg_correction_mean vs Slug, Sign Corrected



Right In: -131.097 ± 327.588 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 463.135 ± 207.352 $\chi^2/\text{NDF}: 18.1/17$

Right Out: -569.844 ± 332.404 $\chi^2/\text{NDF}: 14.6/18$

Left In: 191.984 ± 213.449 $\chi^2/\text{NDF}: 14.2/15$

Left: 331.488 ± 148.729 $\chi^2/\text{NDF}: 33.2/33$

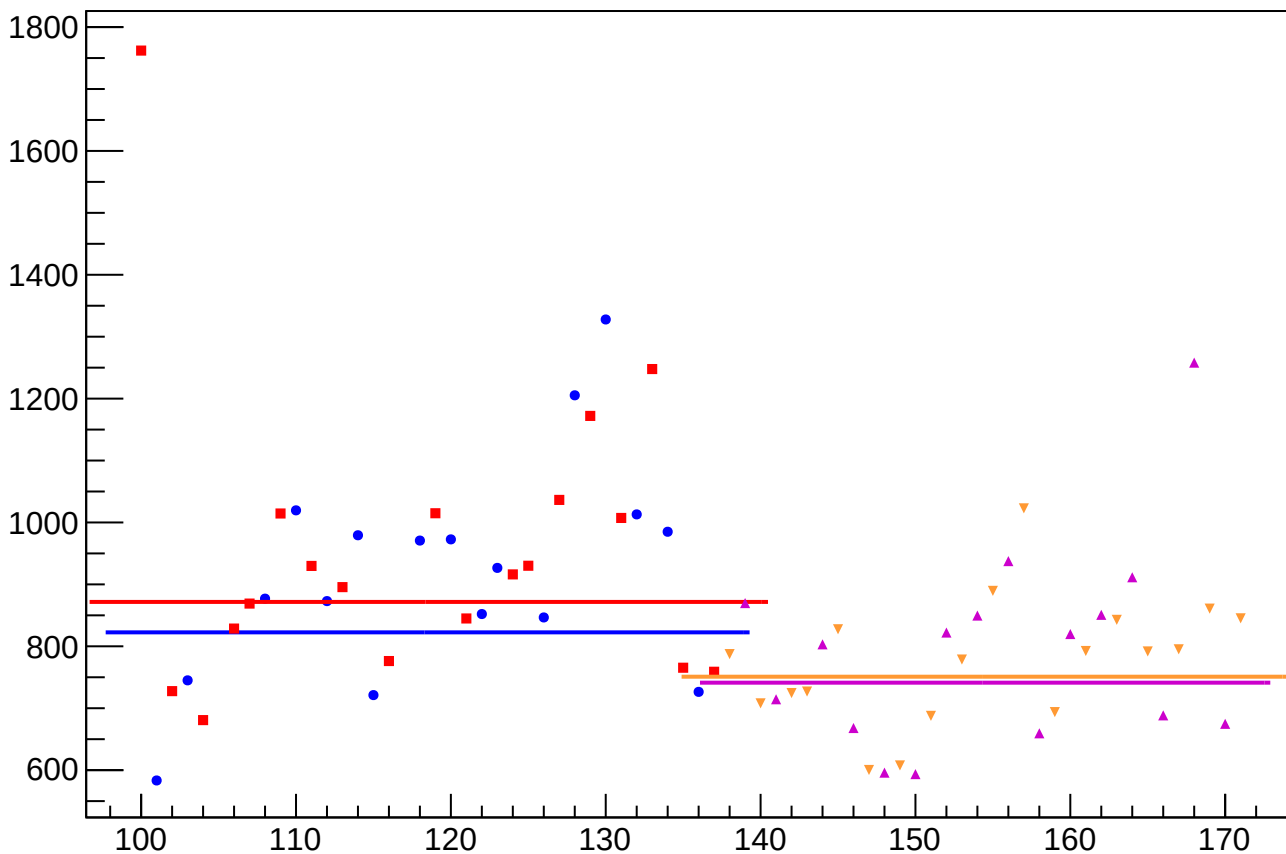
Right: -347.269 ± 233.324 $\chi^2/\text{NDF}: 32.7/35$

In: 95.697 ± 178.836 $\chi^2/\text{NDF}: 32.1/32$

Out: 173.777 ± 175.929 $\chi^2/\text{NDF}: 39.7/36$

All: 135.377 ± 125.416 $\chi^2/\text{NDF}: 71.9/69$

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 750.916 $\pm$ 0.147 χ^2/NDF : 458911.3/17

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

Left In: 741.265 $\pm$ 0.151 χ^2/NDF : 785484.1/15

Left: 746.230 $\pm$ 0.105 χ^2/NDF : 1246498.7/33

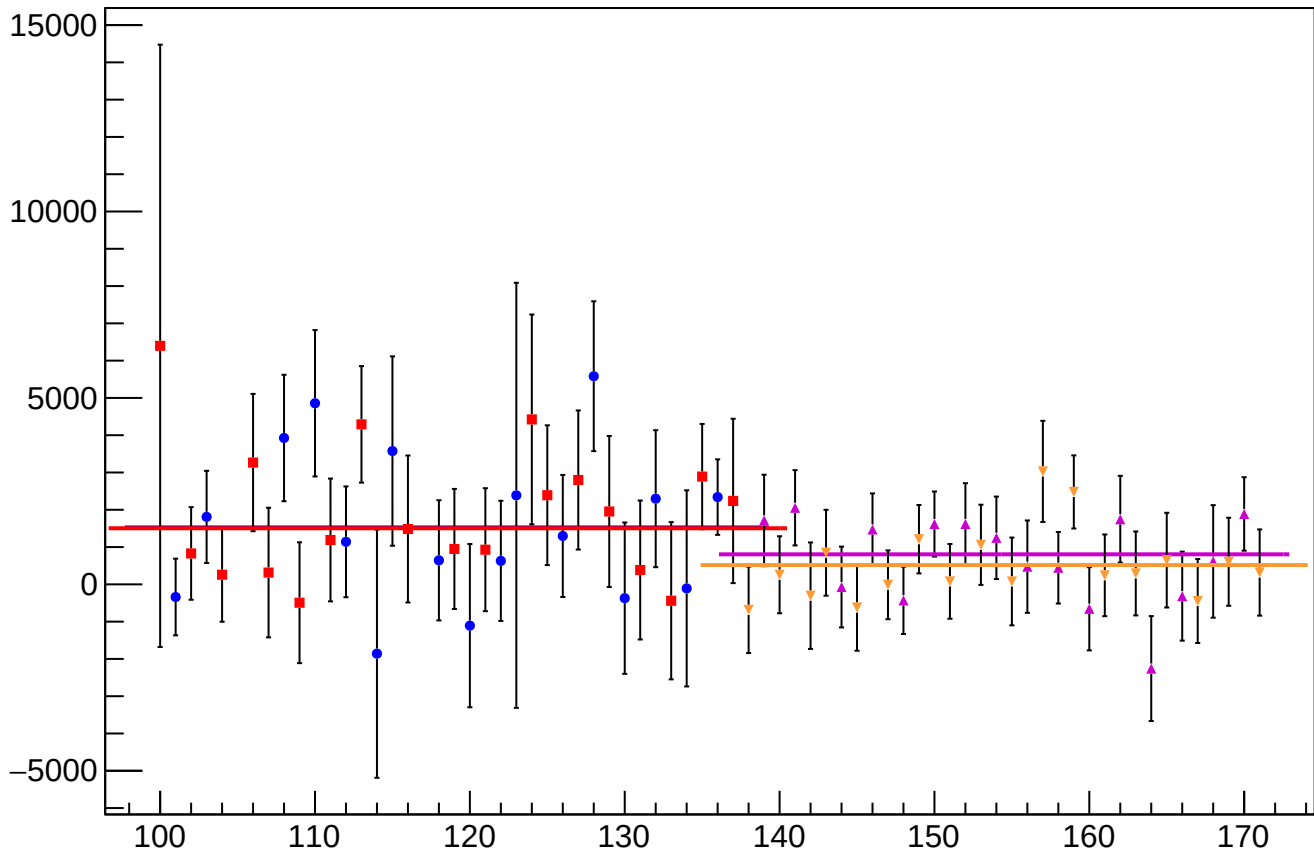
Right: 846.744 $\pm$ 0.165 χ^2/NDF : 1029998.2/35

In: 765.483 $\pm$ 0.126 χ^2/NDF : 1472830.3/32

Out: 784.744 $\pm$ 0.124 χ^2/NDF : 1055800.6/36

All: 775.271 $\pm$ 0.089 χ^2/NDF : 2540420.2/69

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 518.261 $\pm$ 260.871 χ^2 /NDF:12.3/17

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

Left In: 805.537 $\pm$ 270.004 χ^2 /NDF:16.1/15

Left: 656.958 $\pm$ 187.609 χ^2 /NDF: 29.0/33

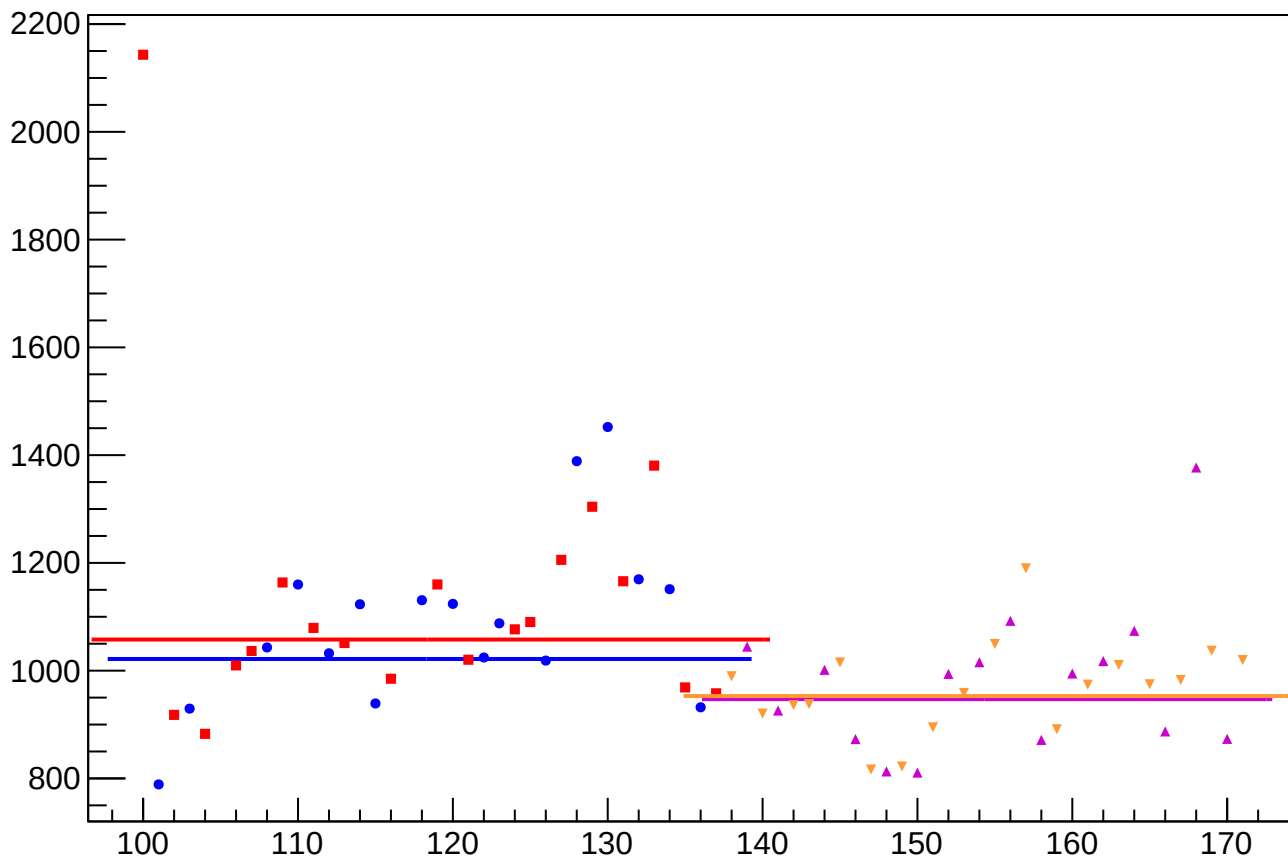
Right: 1514.890 $\pm$ 283.454 χ^2 /NDF: 30.4/35

In: 1029.513 $\pm$ 224.102 χ^2 /NDF:36.5/32

Out: 812.586 $\pm$ 218.500 χ^2 /NDF:28.7/36

All: 918.304 $\pm$ 156.446 χ^2 /NDF: 65.7/69

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 952.886+/-0.184 χ^2/NDF : 208878.9/17

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

Left In: 947.178+/-0.191 χ^2/NDF : 380339.3/15

Left: 950.130+/-0.133 χ^2/NDF : 589680.3/33

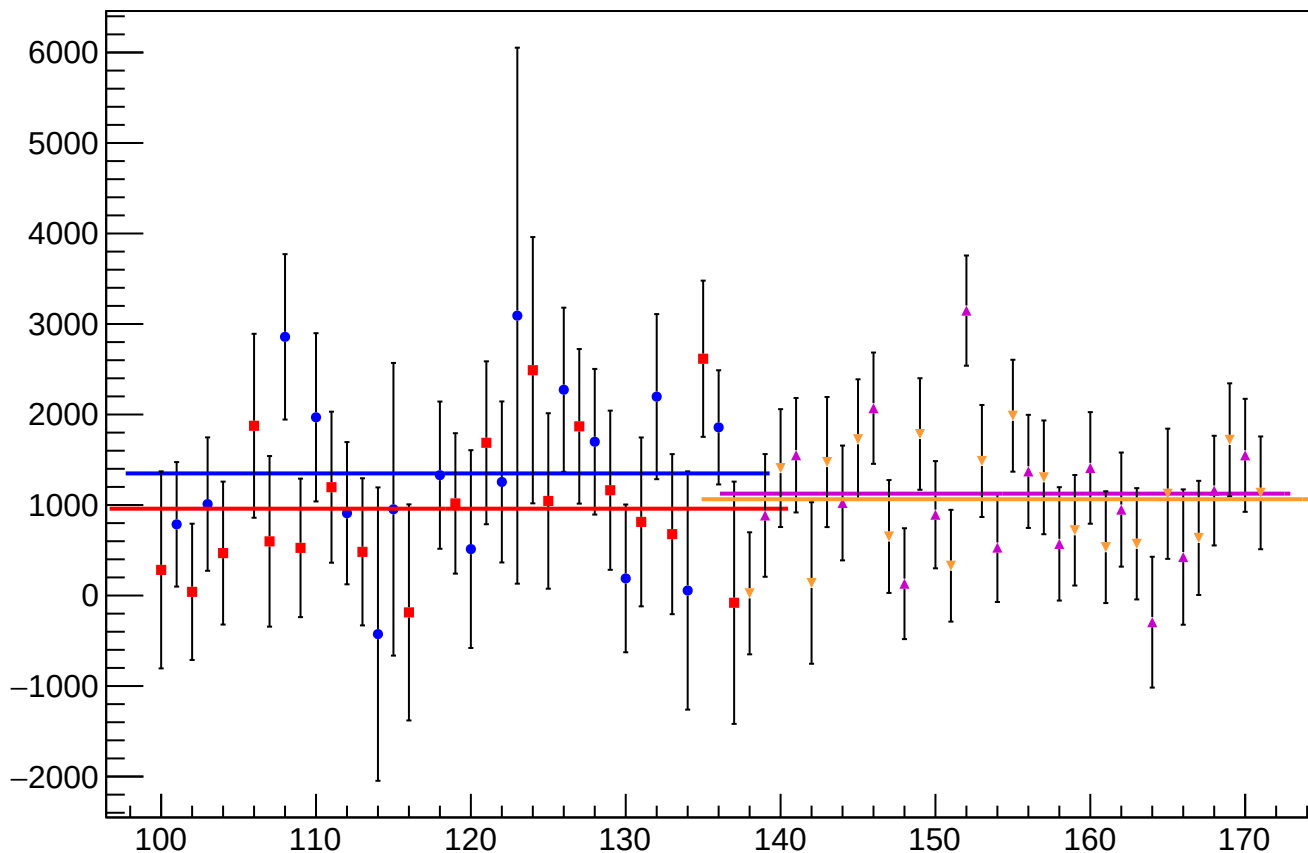
Right: 1039.788+/-0.200 χ^2/NDF : 570995.5/35

In: 970.352+/-0.158 χ^2/NDF : 759641.8/32

Out: 984.183+/-0.155 χ^2/NDF : 536272.8/36

All: 977.442+/-0.111 χ^2/NDF : 1299820.1/69

reg_asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1349.156+/-218.361 χ^2/NDF : 12.3/16

Left Out: 1064.034+/-152.232 χ^2/NDF : 14.4/17

Right Out: 959.496+/-208.143 χ^2/NDF : 12.2/18

Left In: 1125.699+/-158.048 χ^2/NDF : 24.2/15

Left: 1093.711+/-109.643 χ^2/NDF : 38.7/33

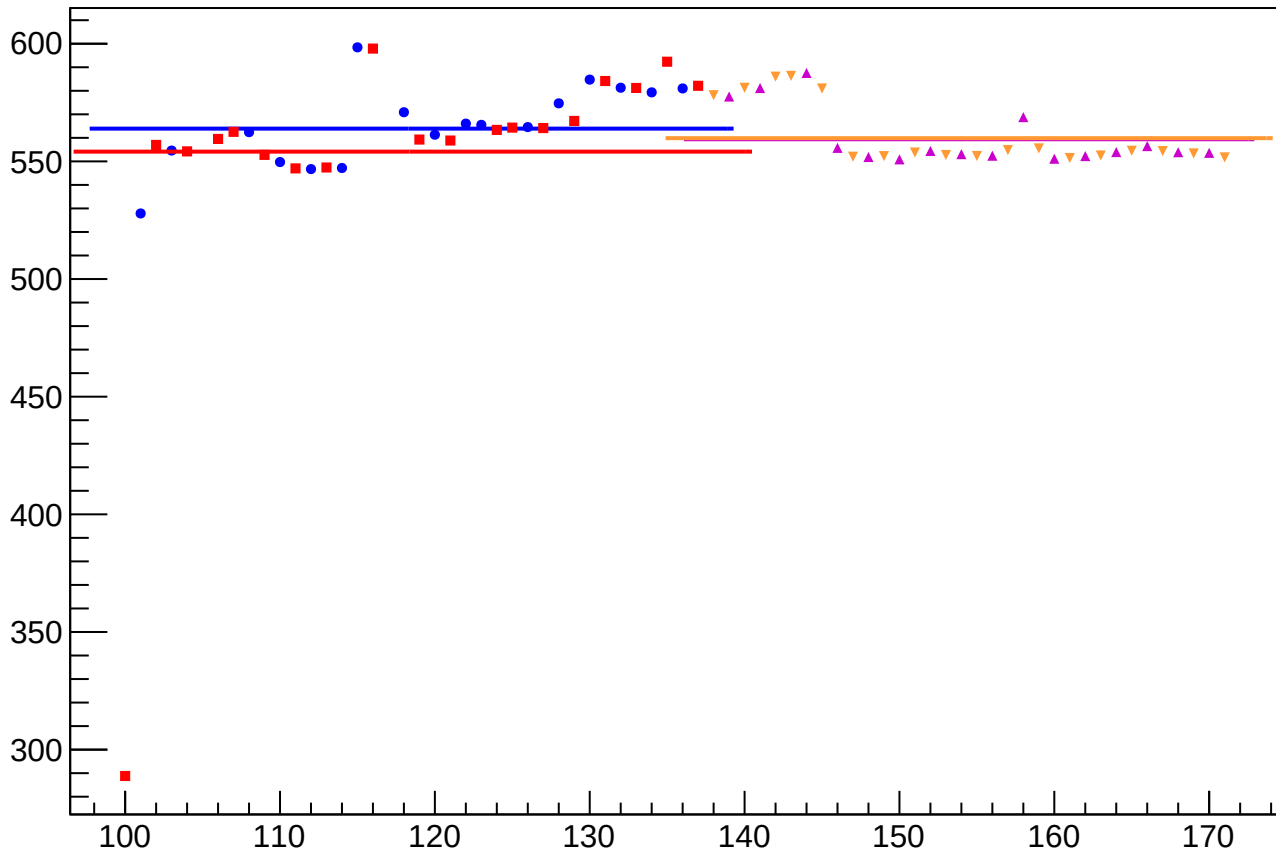
Right: 1144.995+/-150.662 χ^2/NDF : 26.2/35

In: 1202.518+/-128.031 χ^2/NDF : 37.2/32

Out: 1027.602+/-122.875 χ^2/NDF : 26.8/36

All: 1111.467+/-88.653 χ^2/NDF : 65.0/69

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 559.871 $\pm$ 0.108 χ^2 /NDF:13196.8/17

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

Left In: 559.403 $\pm$ 0.112 χ^2 /NDF:10699.6/15

Left: 559.646 $\pm$ 0.078 χ^2 /NDF: 23905.4/33

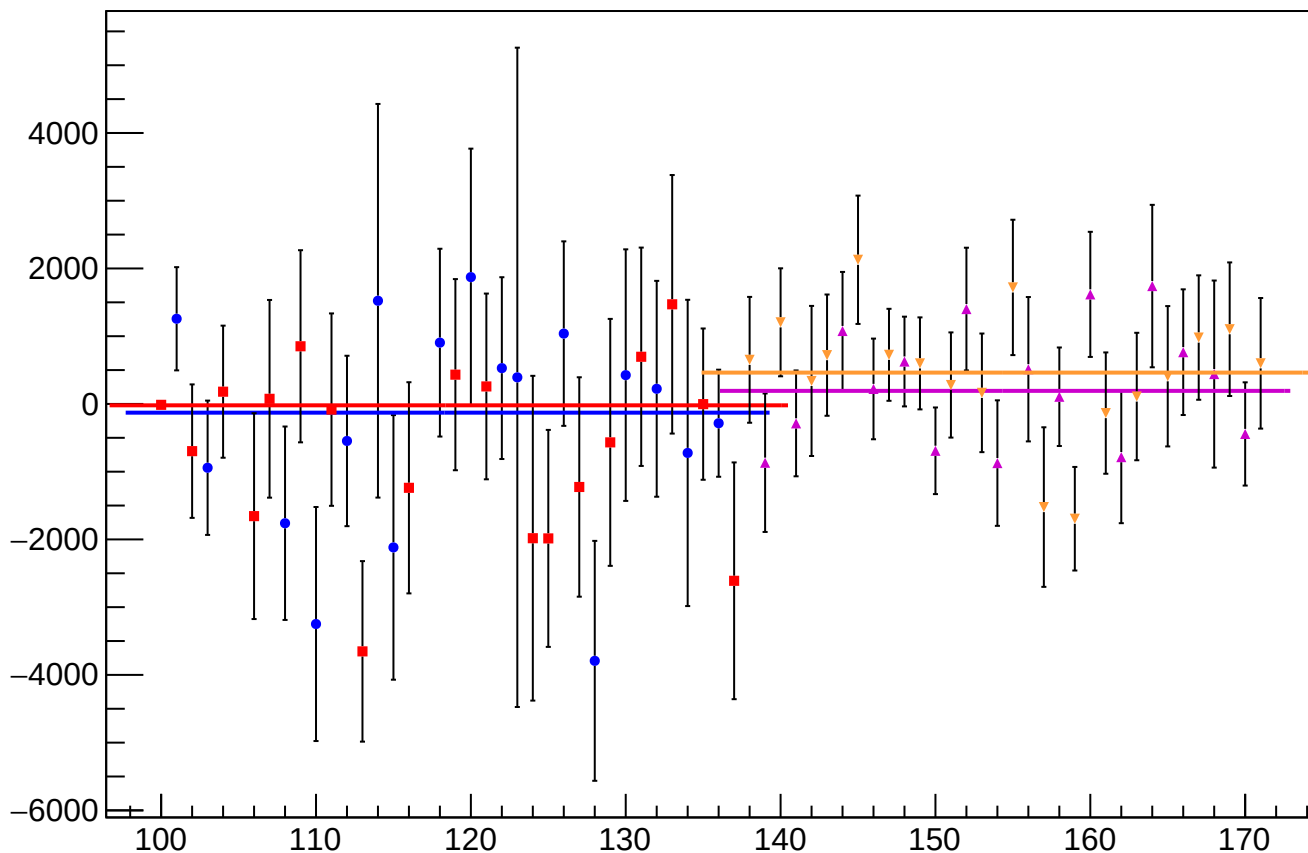
Right: 558.799 $\pm$ 0.107 χ^2 /NDF: 146729.2/35

In: 560.957 $\pm$ 0.091 χ^2 /NDF:23924.7/32

Out: 557.875 $\pm$ 0.087 χ^2 /NDF:146148.1/36

All: 559.353 $\pm$ 0.063 χ^2 /NDF: 170675.9/69

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 462.661 $\pm$ 207.425 χ^2/NDF : 18.2/17

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

Left In: 193.025 $\pm$ 213.550 χ^2/NDF : 14.2/15

Left: 331.765 $\pm$ 148.790 χ^2/NDF : 33.2/33

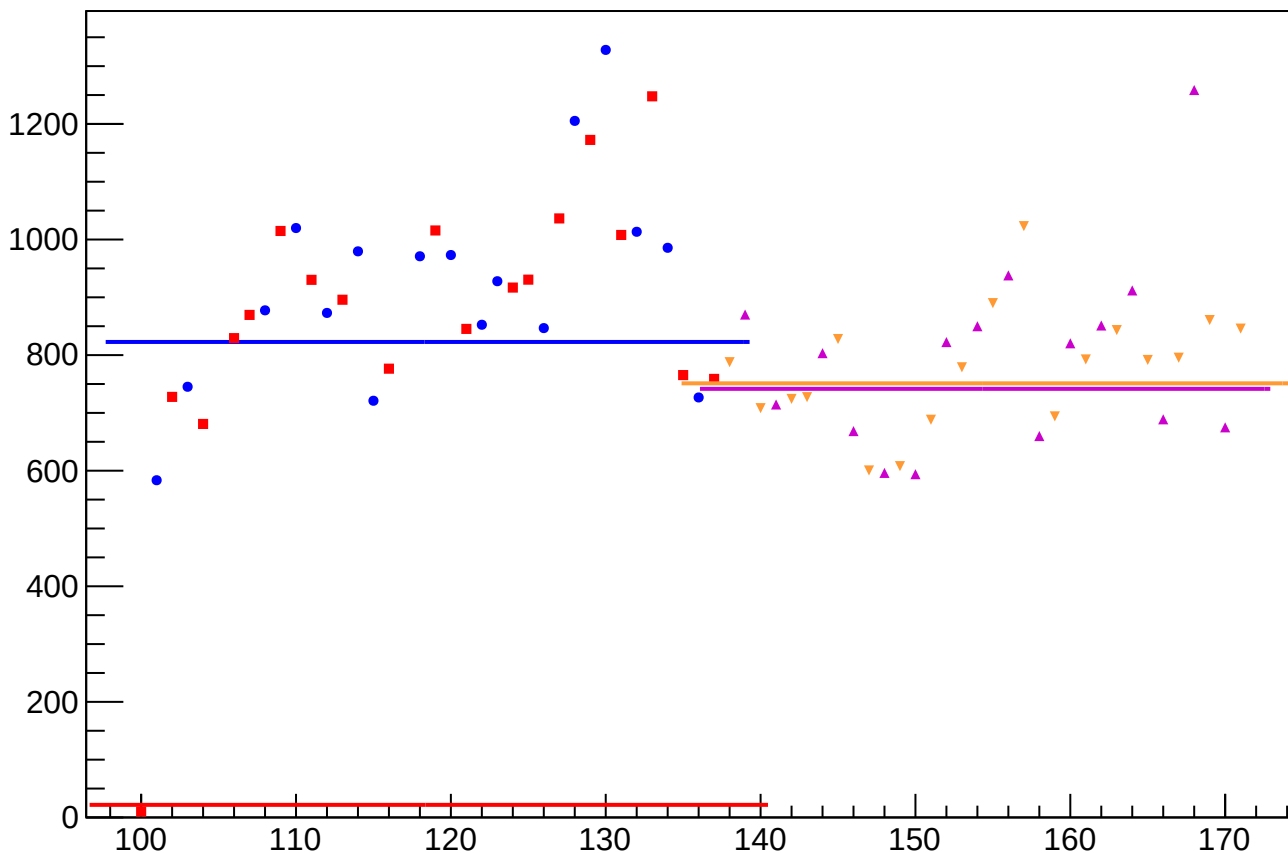
Right: -21.894 $\pm$ 38.682 χ^2/NDF : 33.4/35

In: 97.113 $\pm$ 178.912 χ^2/NDF : 32.1/32

Out: -3.928 $\pm$ 38.285 χ^2/NDF : 39.5/36

All: 0.496 $\pm$ 37.437 χ^2/NDF : 71.9/69

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 822.780+/-0.232 χ^2/NDF : 600873.9/16

Left Out: 751.170+/-0.147 χ^2/NDF : 458961.2/17

Right Out: 21.812+/-0.028 χ^2/NDF : 13523611.9/18

Left In: 741.623+/-0.151 χ^2/NDF : 785212.9/15

Left: 746.535+/-0.105 χ^2/NDF : 1246231.2/33

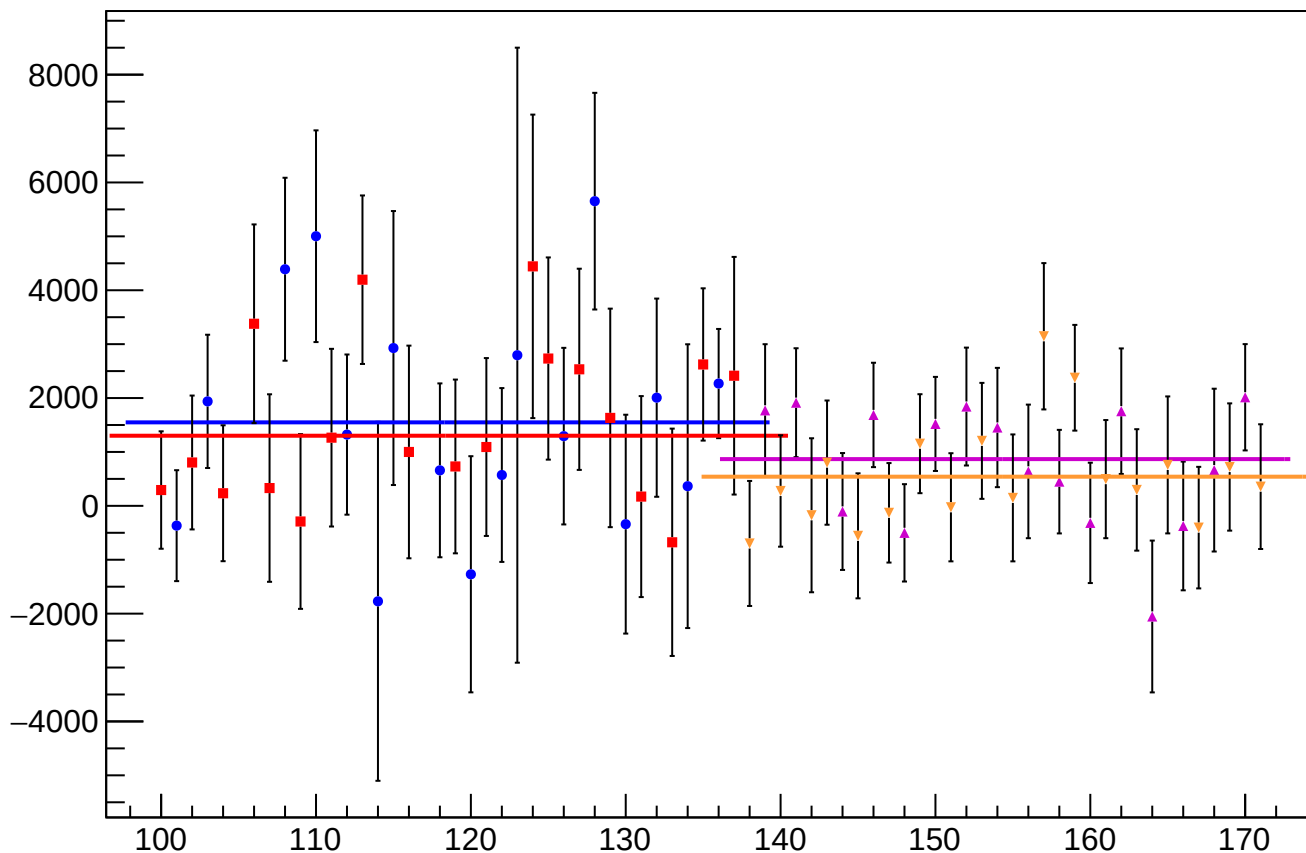
Right: 32.973+/-0.027 χ^2/NDF : 25907183.1/35

In: 765.815+/-0.127 χ^2/NDF : 1472193.9/32

Out: 46.659+/-0.027 χ^2/NDF : 37868215.5/36

All: 78.148+/-0.026 χ^2/NDF : 70240086.0/69

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 540.954 $\pm$ 261.020 χ^2 /NDF: 12.2/17

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

Left In: 867.089 $\pm$ 270.192 χ^2 /NDF: 15.7/15

Left: 698.393 $\pm$ 187.728 χ^2 /NDF: 28.7/33

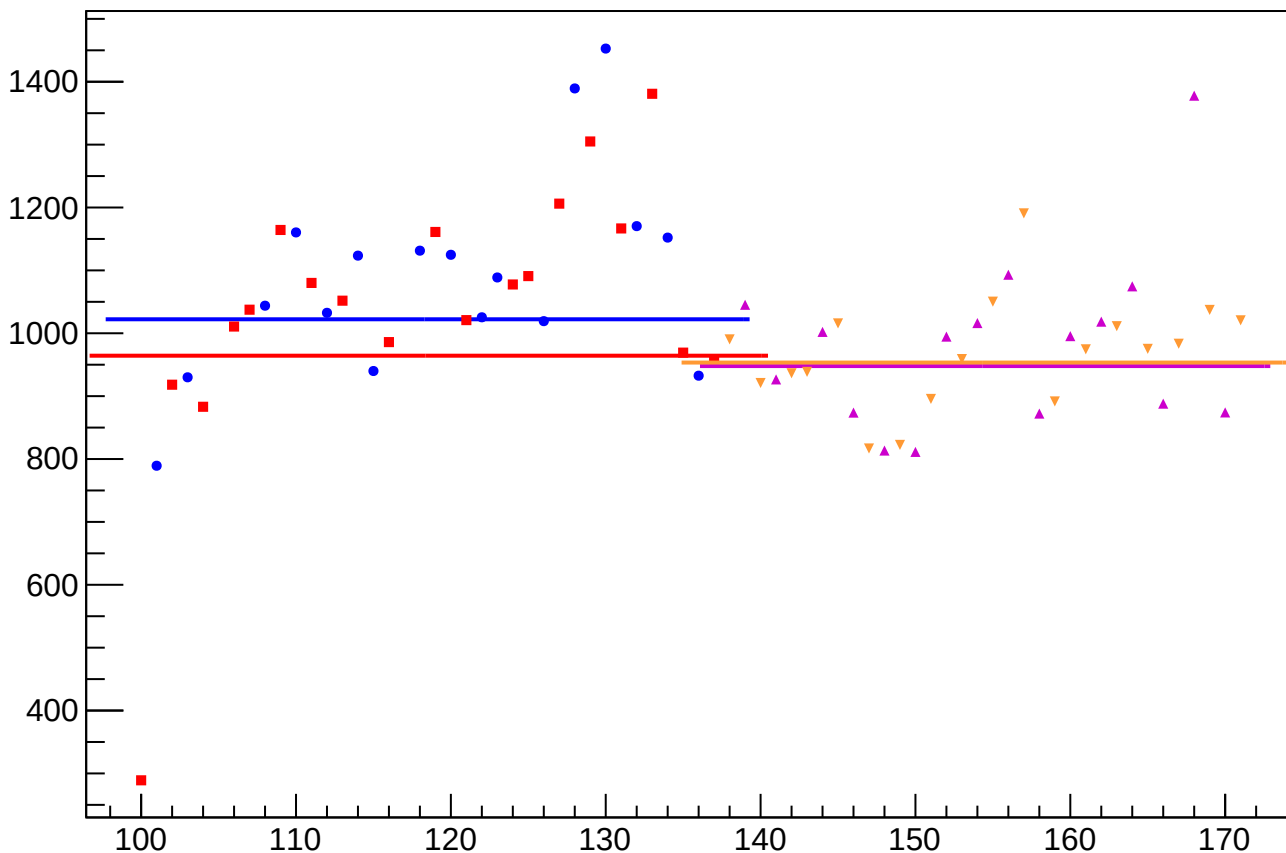
Right: 1416.645 $\pm$ 274.624 χ^2 /NDF: 31.7/35

In: 1079.236 $\pm$ 224.249 χ^2 /NDF: 36.7/32

Out: 788.064 $\pm$ 214.426 χ^2 /NDF: 27.5/36

All: 927.134 $\pm$ 154.978 χ^2 /NDF: 65.1/69

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 953.424+/-0.185 χ^2/NDF : 208980.2/17

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

Left In: 947.844+/-0.191 χ^2/NDF : 380054.5/15

Left: 950.730+/-0.133 χ^2/NDF : 589476.0/33

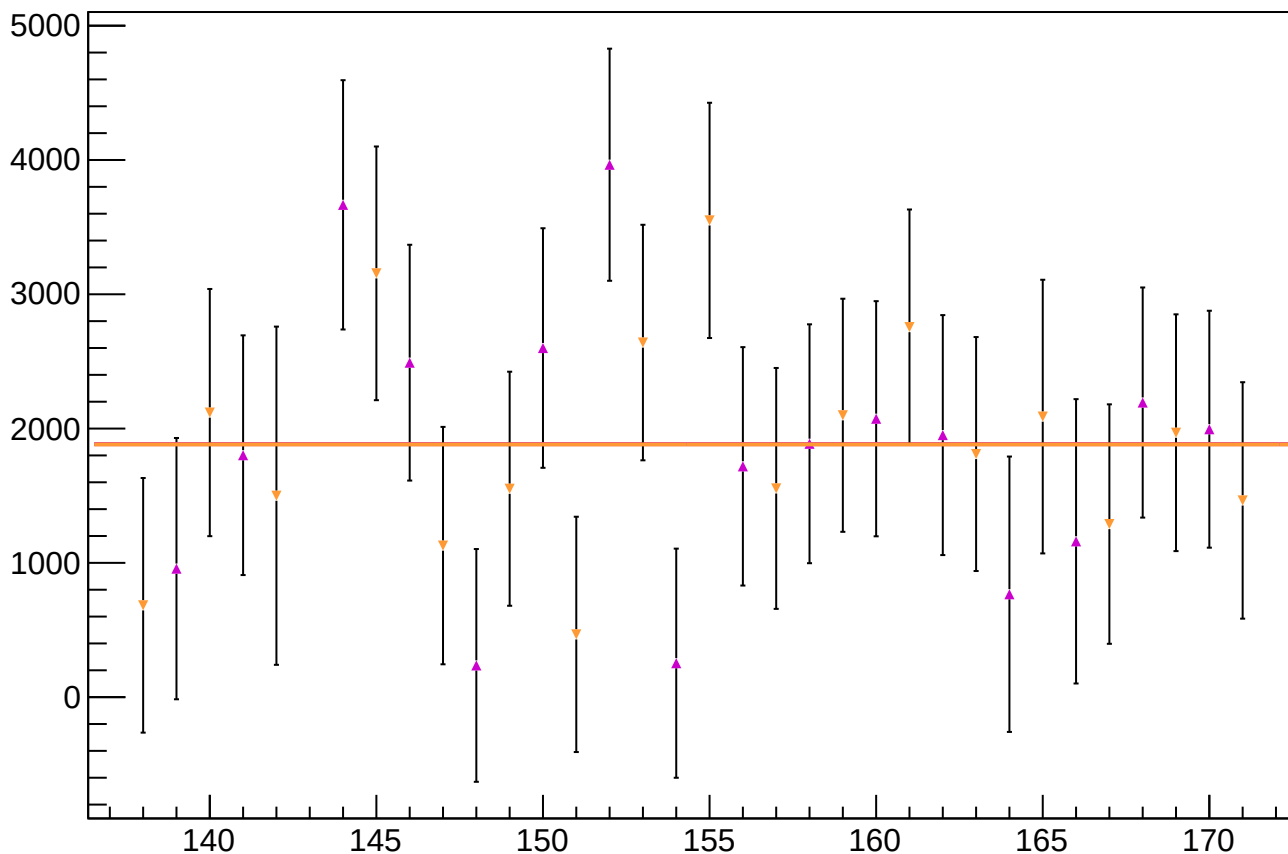
Right: 991.355+/-0.194 χ^2/NDF : 1421282.7/35

In: 970.993+/-0.159 χ^2/NDF : 759104.7/32

Out: 956.970+/-0.152 χ^2/NDF : 1277396.5/36

All: 963.668+/-0.110 χ^2/NDF : 2040587.0/69

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1882.255+/-220.660 χ^2/NDF :13.3/16

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

Left In: 1884.266+/-225.576 χ^2/NDF :20.7/15

Left: 1883.239+/-157.740 χ^2/NDF : 34.0/32

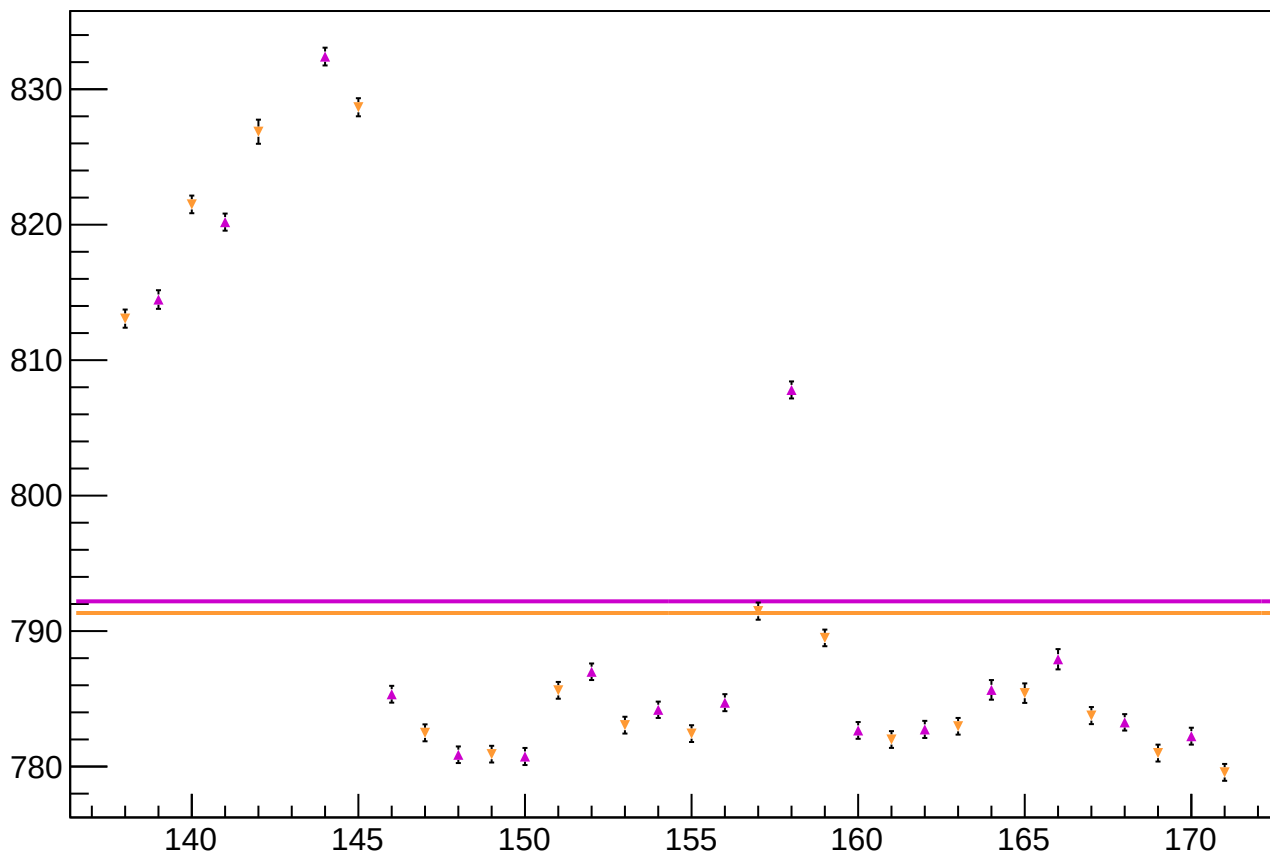
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1884.266+/-225.576 χ^2/NDF :20.7/15

Out: 1882.255+/-220.660 χ^2/NDF :13.3/16

All: 1883.239+/-157.740 χ^2/NDF : 34.0/32

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 791.335+/-0.156 χ^2/NDF :10136.0/16

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

Left In: 792.196+/-0.160 χ^2/NDF :9617.5/15

Left: 791.756+/-0.112 χ^2/NDF : 19768.5/32

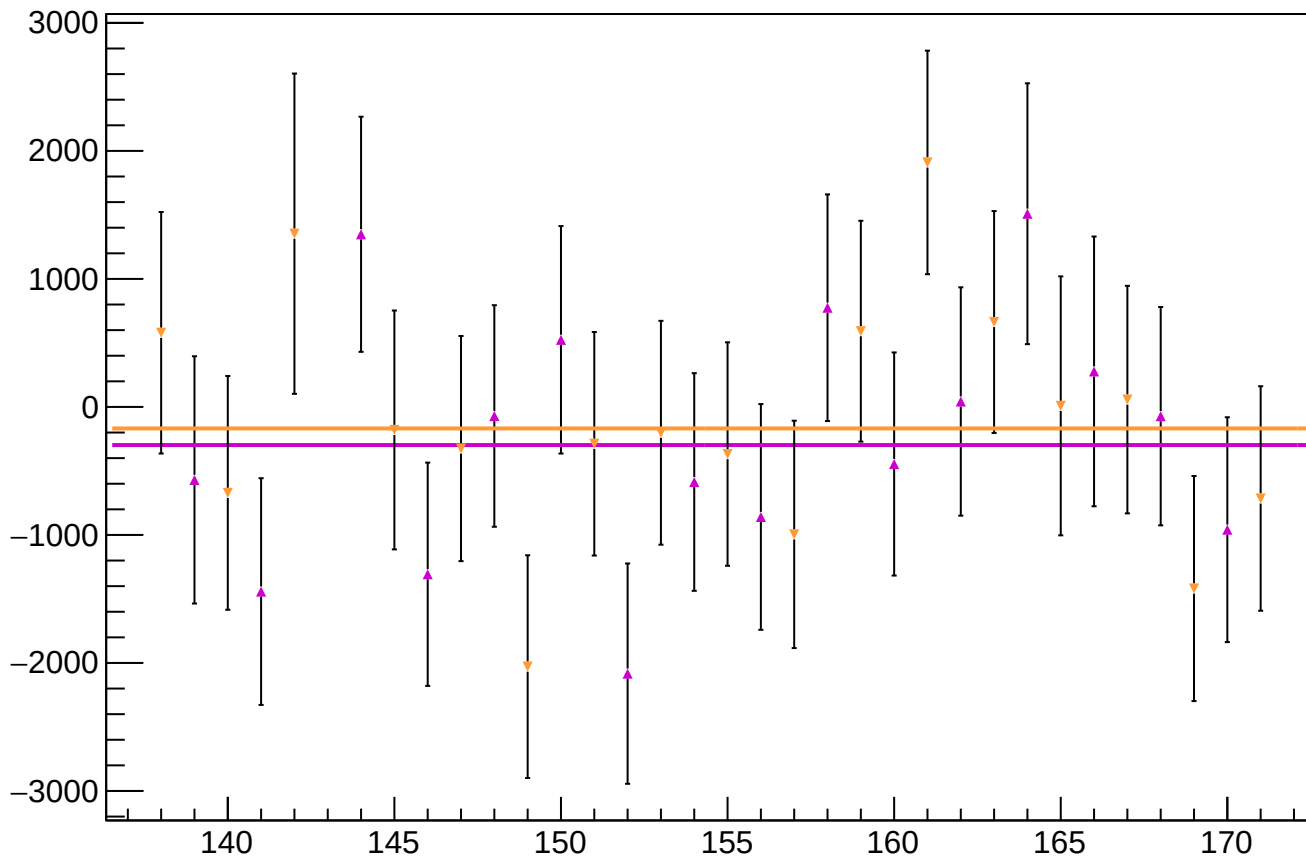
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 792.196+/-0.160 χ^2/NDF :9617.5/15

Out: 791.335+/-0.156 χ^2/NDF :10136.0/16

All: 791.756+/-0.112 χ^2/NDF : 19768.5/32

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -168.020+/-219.524 χ^2/NDF :17.8/16

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

Left In: -297.813+/-224.415 χ^2/NDF :17.8/15

Left: -231.487+/-156.927 χ^2/NDF : 35.8/32

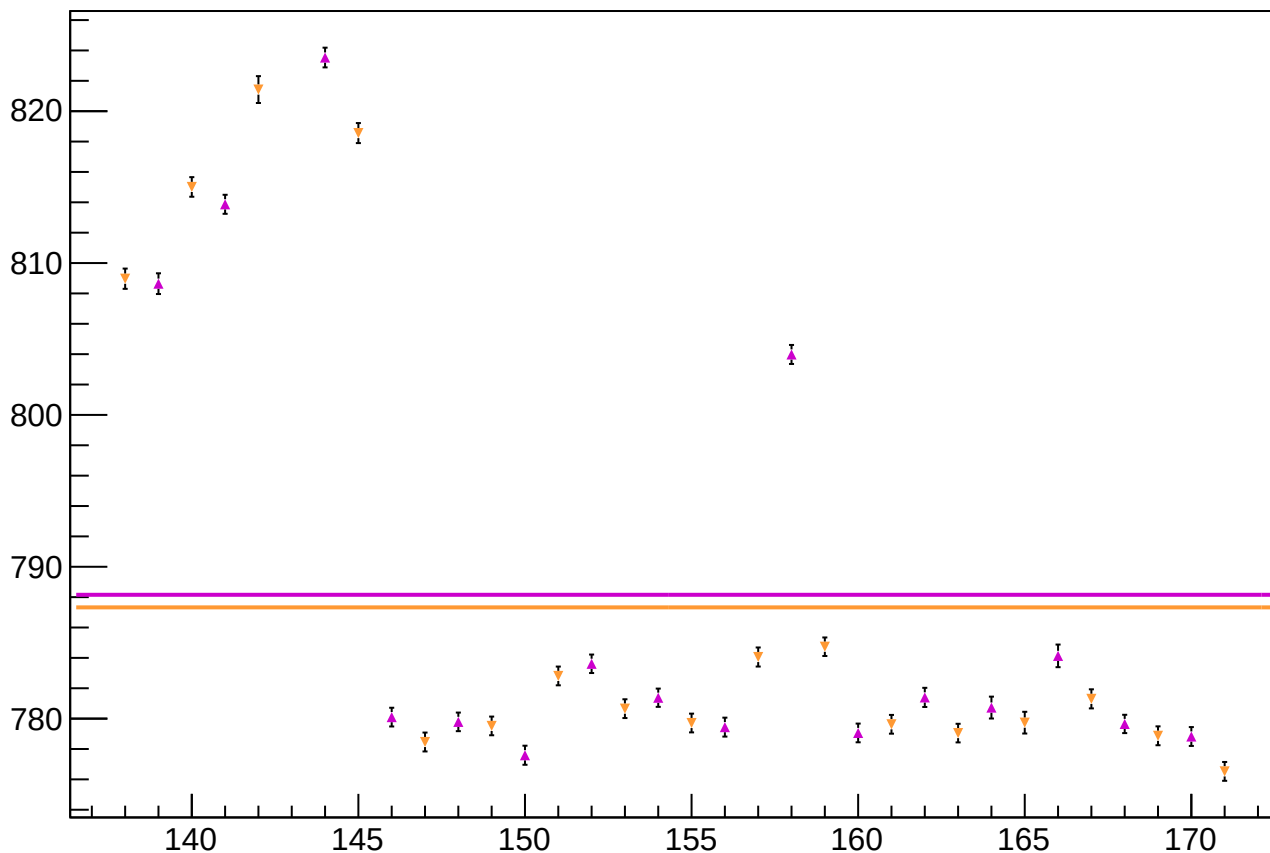
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -297.813+/-224.415 χ^2/NDF :17.8/15

Out: -168.020+/-219.524 χ^2/NDF :17.8/16

All: -231.487+/-156.927 χ^2/NDF : 35.8/32

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 787.326+/-0.155 χ^2/NDF :8381.4/16

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

Left In: 788.154+/-0.159 χ^2/NDF :8106.2/15

Left: 787.731+/-0.111 χ^2/NDF : 16501.5/32

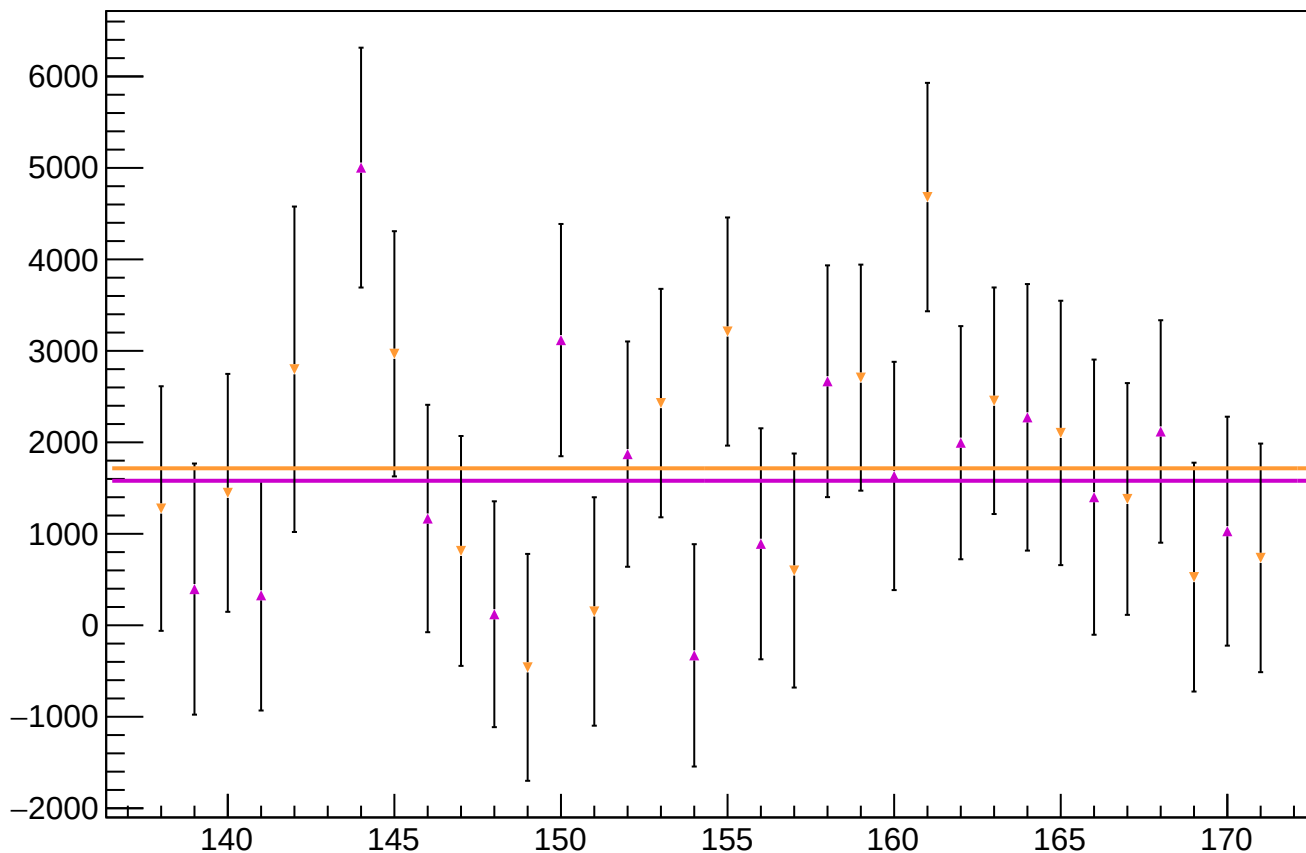
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 788.154+/-0.159 χ^2/NDF :8106.2/15

Out: 787.326+/-0.155 χ^2/NDF :8381.4/16

All: 787.731+/-0.111 χ^2/NDF : 16501.5/32

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1716.261+/-313.511 χ^2/NDF :17.4/16

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

Left In: 1579.929+/-320.433 χ^2/NDF :15.8/15

Left: 1649.583+/-224.093 χ^2/NDF : 33.3/32

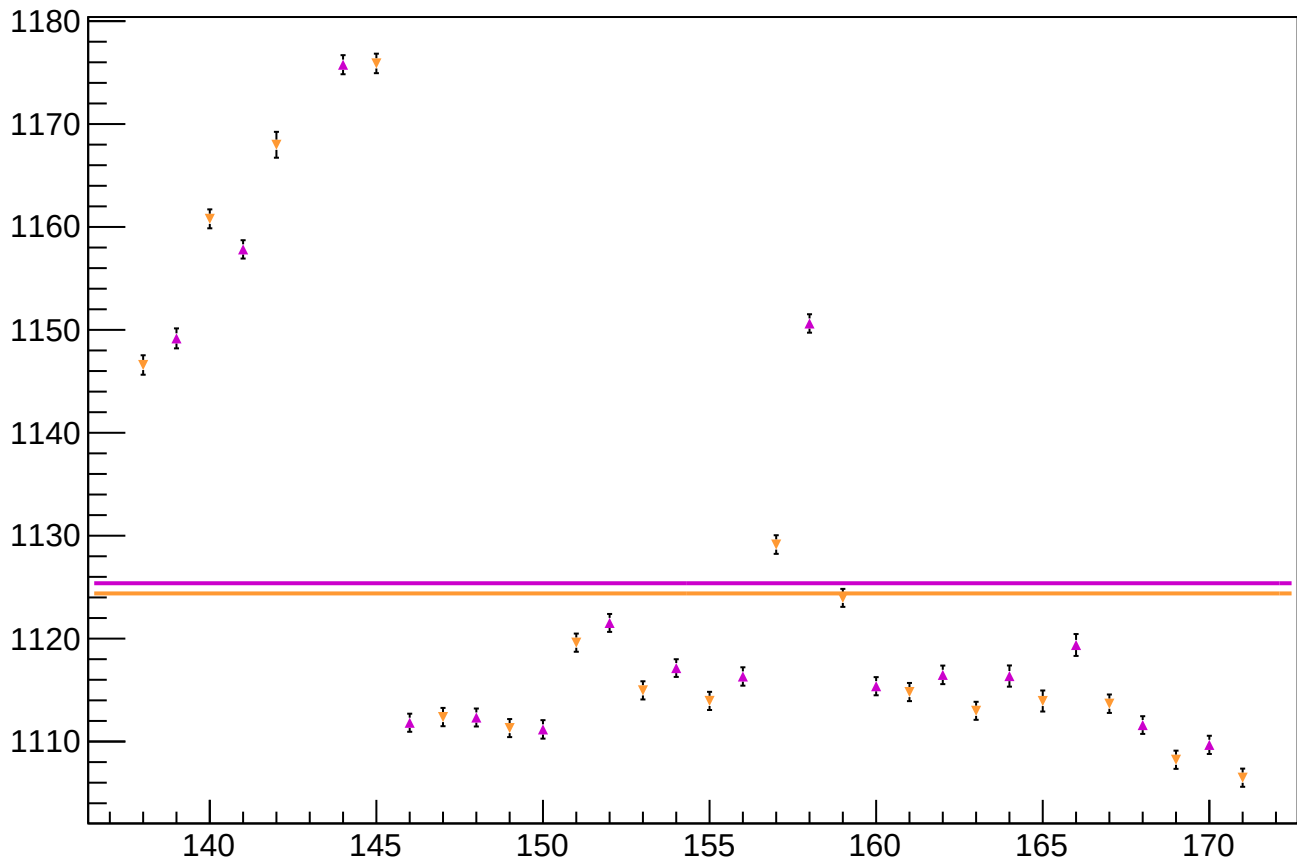
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1579.929+/-320.433 χ^2/NDF :15.8/15

Out: 1716.261+/-313.511 χ^2/NDF :17.4/16

All: 1649.583+/-224.093 χ^2/NDF : 33.3/32

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1124.390+/-0.222 χ^2/NDF : 8268.7/16

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

Left In: 1125.381+/-0.227 χ^2/NDF : 7507.8/15

Left: 1124.875+/-0.158 χ^2/NDF : 15786.2/32

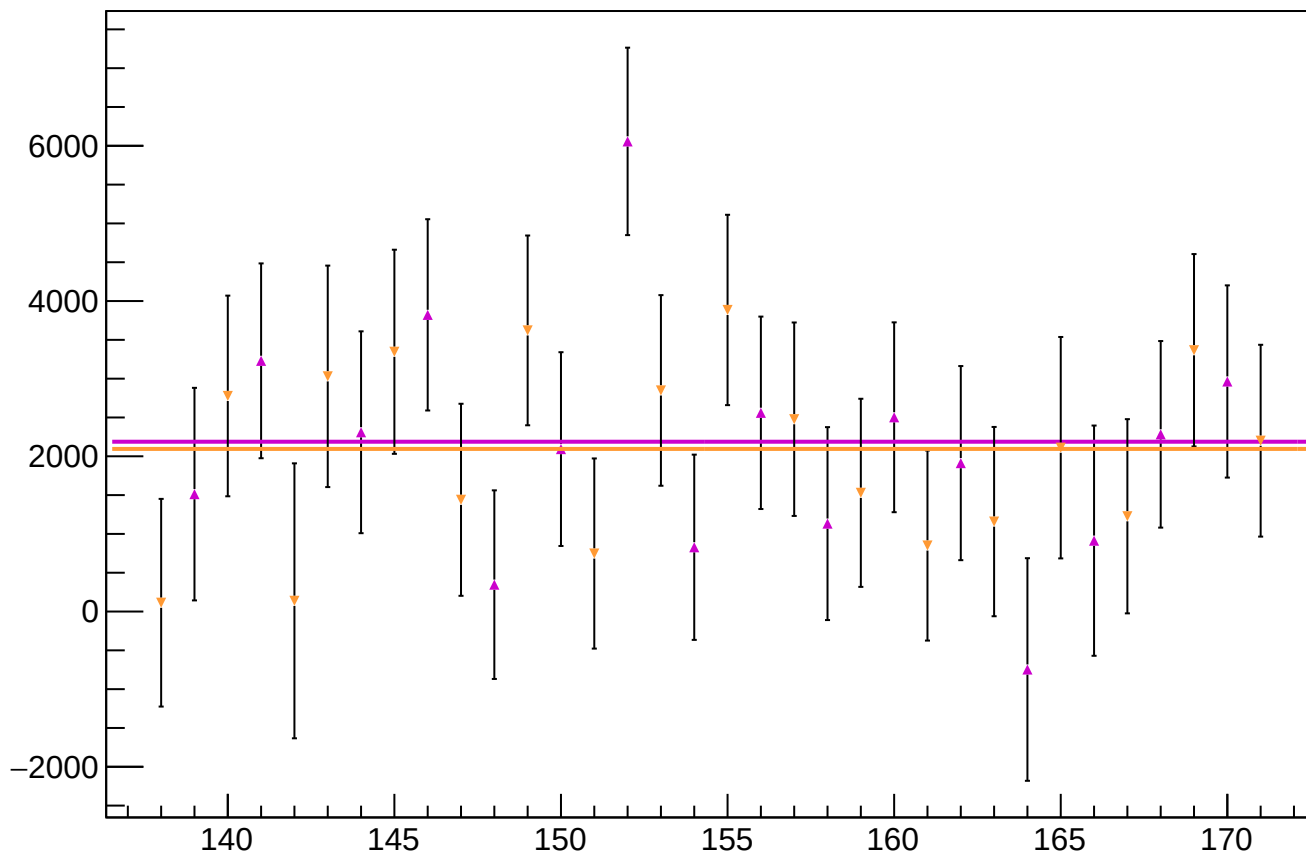
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1125.381+/-0.227 χ^2/NDF : 7507.8/15

Out: 1124.390+/-0.222 χ^2/NDF : 8268.7/16

All: 1124.875+/-0.158 χ^2/NDF : 15786.2/32

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2094.883+/-301.995 χ^2/NDF :14.1/17

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

Left In: 2187.704+/-315.932 χ^2/NDF :22.8/15

Left: 2139.201+/-218.304 χ^2/NDF : 36.9/33

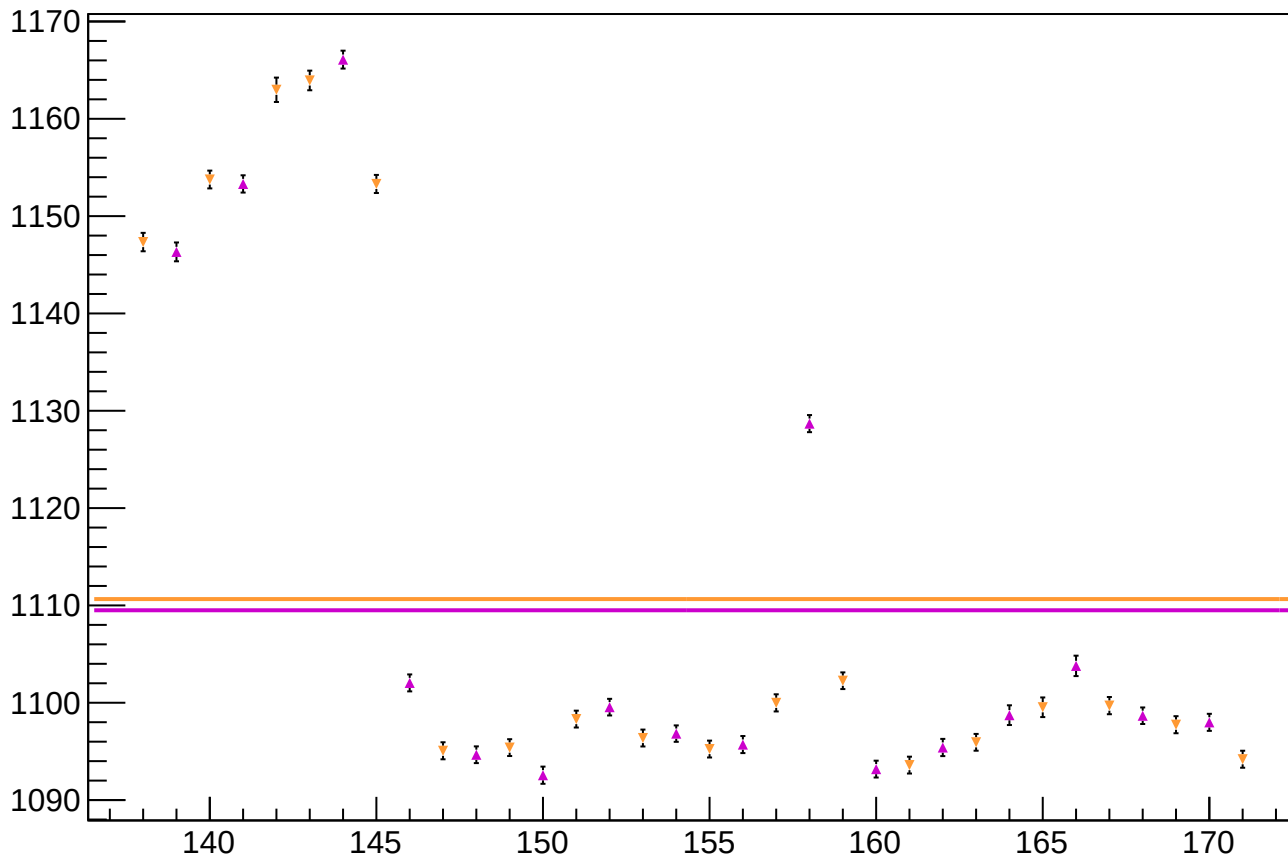
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2187.704+/-315.932 χ^2/NDF :22.8/15

Out: 2094.883+/-301.995 χ^2/NDF :14.1/17

All: 2139.201+/-218.304 χ^2/NDF : 36.9/33

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1110.651+/-0.214 χ^2/NDF :13556.1/17

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

Left In: 1109.502+/-0.223 χ^2/NDF :10586.0/15

Left: 1110.103+/-0.154 χ^2/NDF : 24156.0/33

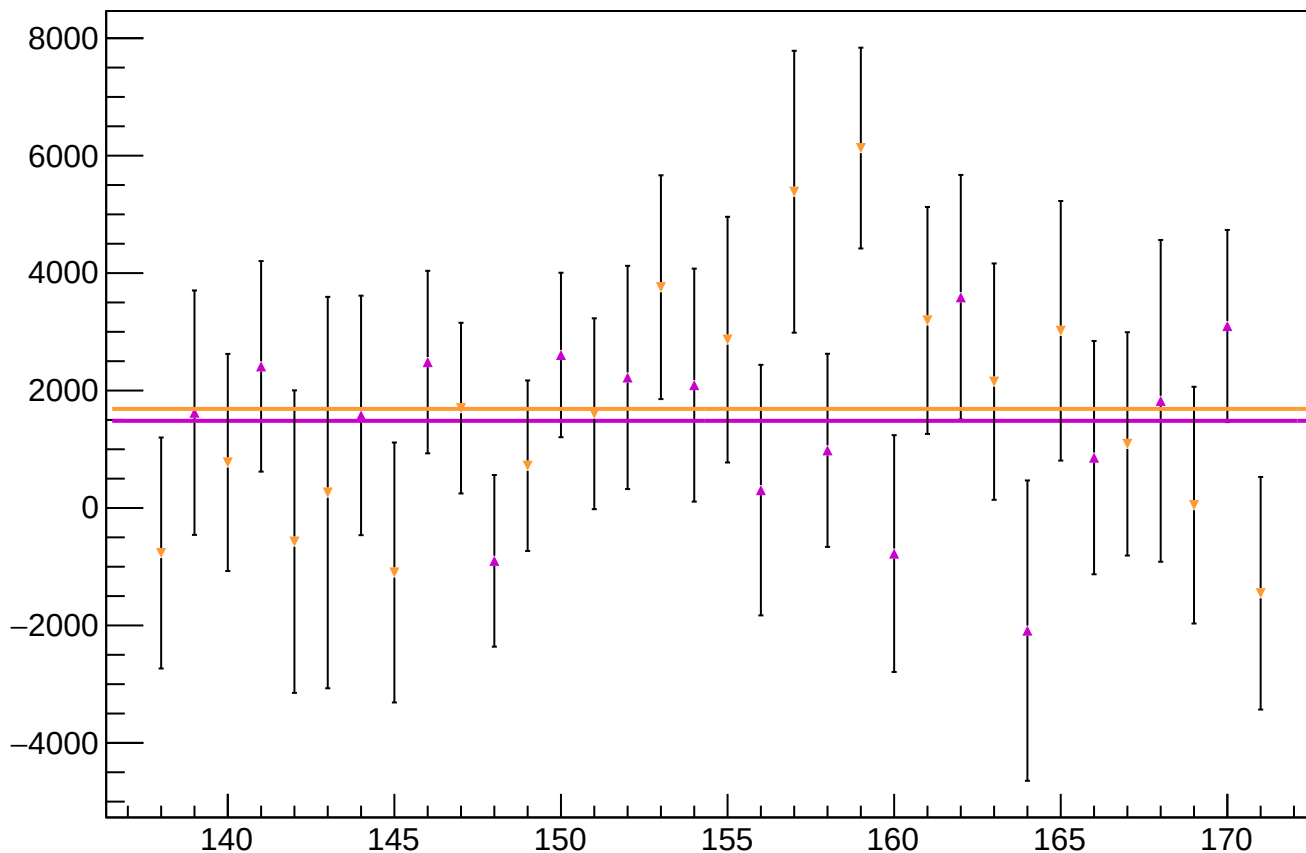
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1109.502+/-0.223 χ^2/NDF :10586.0/15

Out: 1110.651+/-0.214 χ^2/NDF :13556.1/17

All: 1110.103+/-0.154 χ^2/NDF : 24156.0/33

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1687.744+/-454.580 χ^2/NDF :19.7/17

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

Left In: 1484.199+/-462.035 χ^2/NDF :10.0/15

Left: 1587.627+/-324.040 χ^2/NDF : 29.8/33

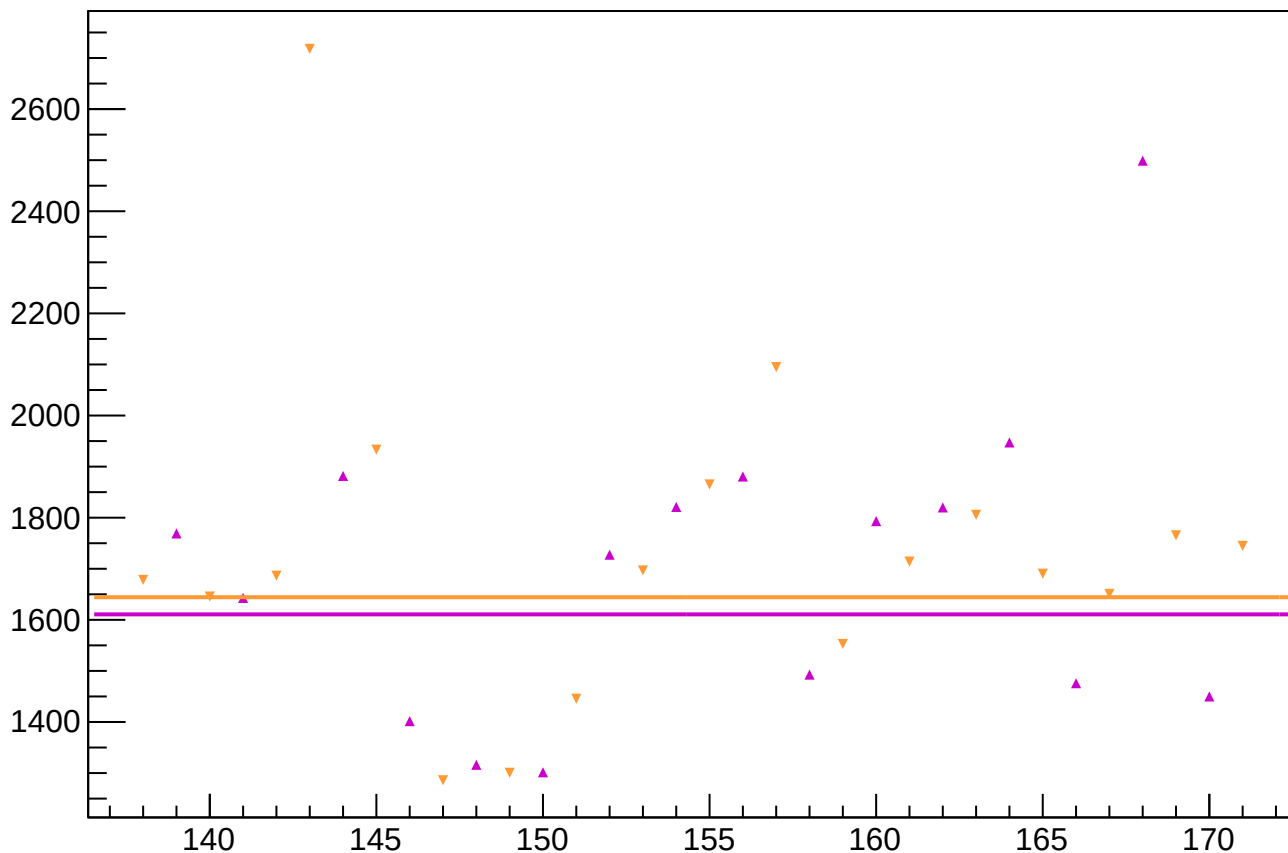
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1484.199+/-462.035 χ^2/NDF :10.0/15

Out: 1687.744+/-454.580 χ^2/NDF :19.7/17

All: 1587.627+/-324.040 χ^2/NDF : 29.8/33

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1644.324+/-0.321 χ^2/NDF :635238.8/17

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

Left In: 1610.719+/-0.327 χ^2/NDF :644745.4/15

Left: 1627.795+/-0.229 χ^2/NDF : 1285360.0/33

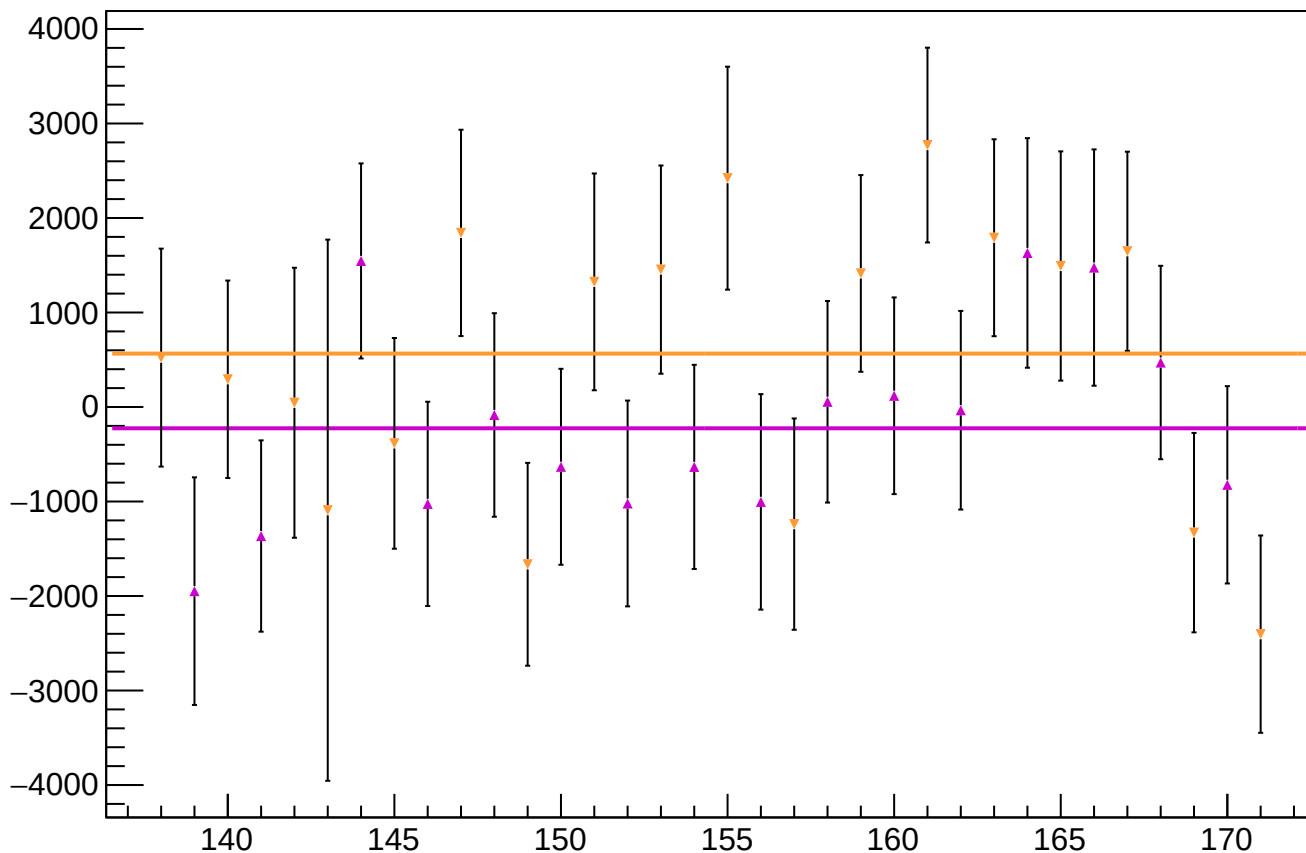
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1610.719+/-0.327 χ^2/NDF :644745.4/15

Out: 1644.324+/-0.321 χ^2/NDF :635238.8/17

All: 1627.795+/-0.229 χ^2/NDF : 1285360.0/33

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 565.312+/-266.531 χ^2/NDF :32.7/17

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

Left In: -225.358+/-270.946 χ^2/NDF :13.3/15

Left: 176.472+/-190.008 χ^2/NDF : 50.3/33

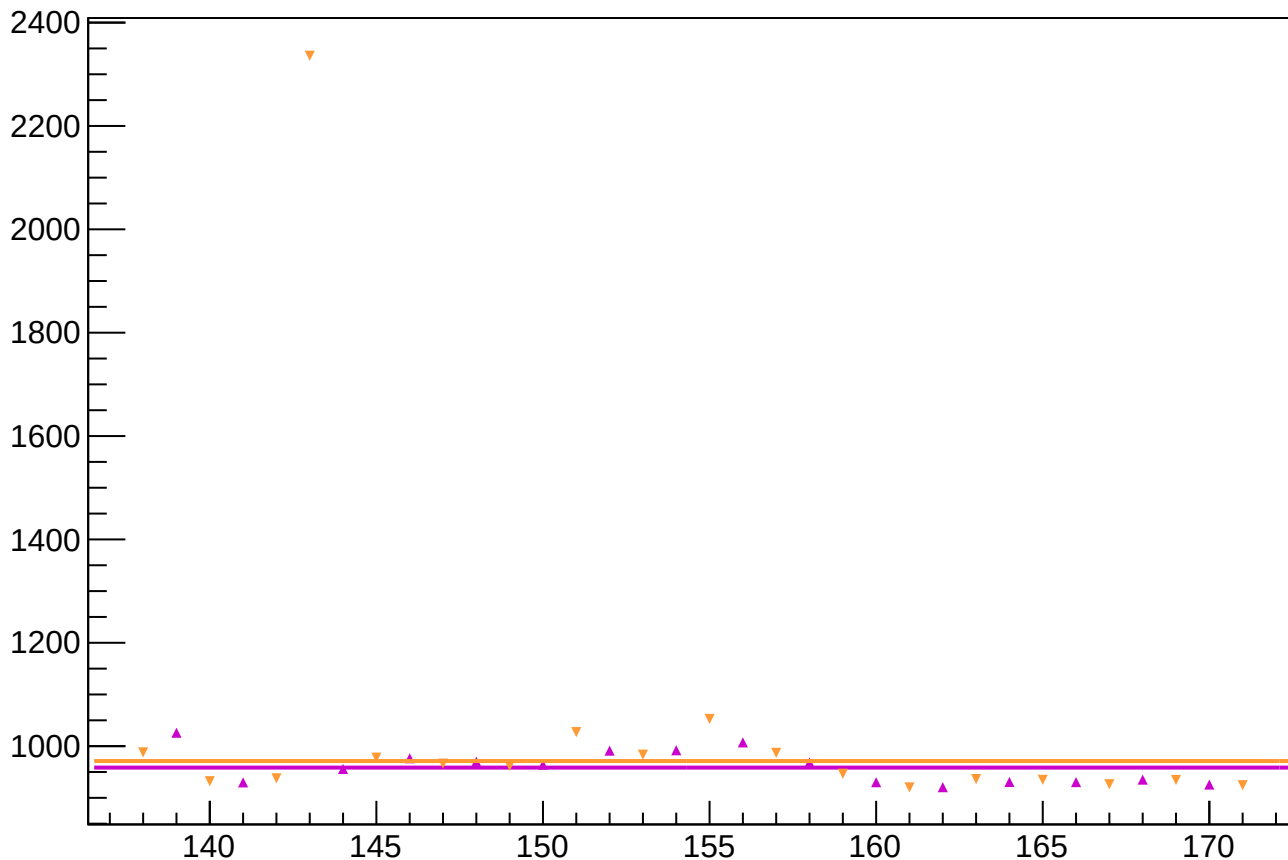
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -225.358+/-270.946 χ^2/NDF :13.3/15

Out: 565.312+/-266.531 χ^2/NDF :32.7/17

All: 176.472+/-190.008 χ^2/NDF : 50.3/33

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 971.200+/-0.188 χ^2/NDF : 493992.5/17

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

Left In: 958.513+/-0.192 χ^2/NDF : 25459.8/15

Left: 964.961+/-0.134 χ^2/NDF : 521681.0/33

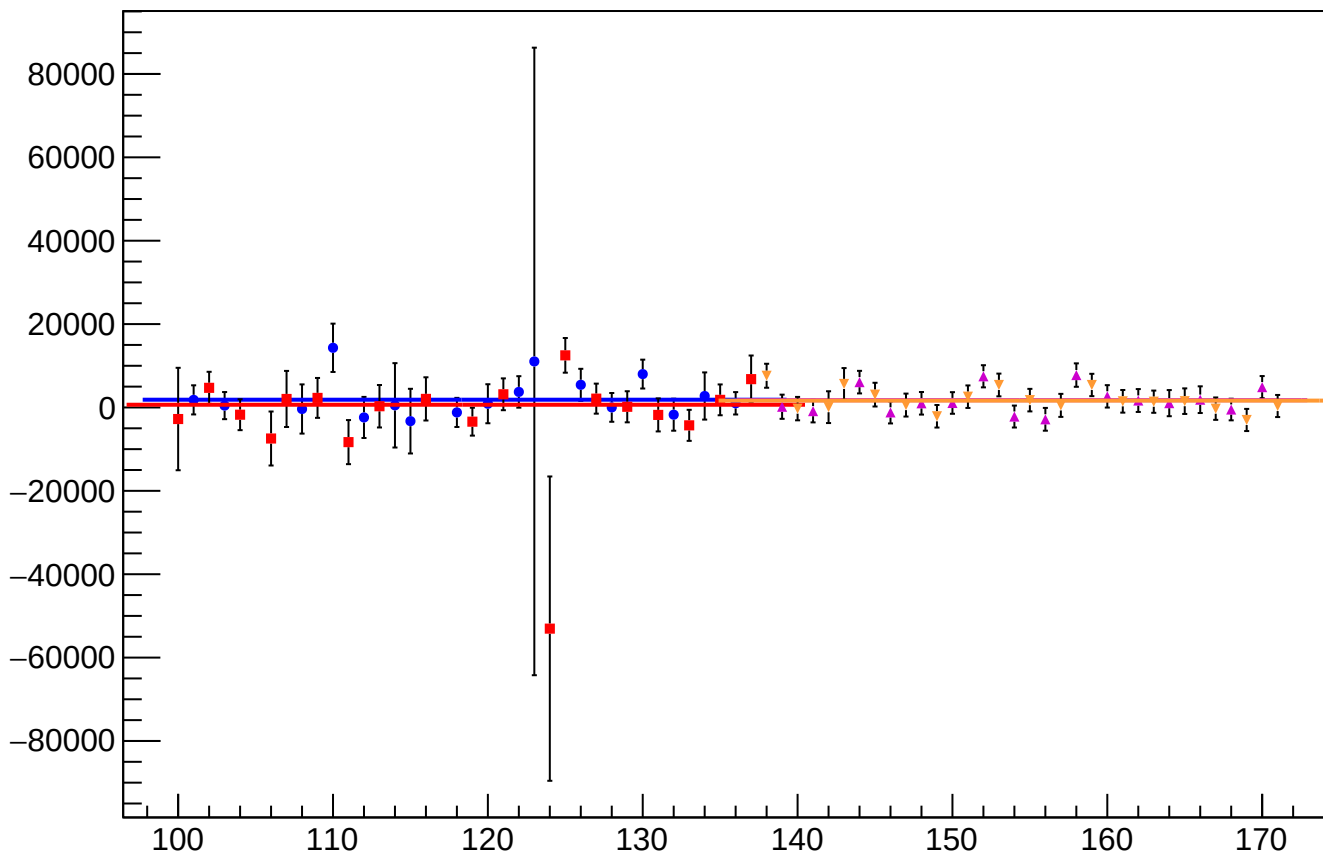
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 958.513+/-0.192 χ^2/NDF : 25459.8/15

Out: 971.200+/-0.188 χ^2/NDF : 493992.5/17

All: 964.961+/-0.134 χ^2/NDF : 521681.0/33

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1646.796 $\pm$ 664.915 χ^2 /NDF:16.3/17

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

Left In: 1741.077 $\pm$ 685.614 χ^2 /NDF:21.8/15

Left: 1692.492 $\pm$ 477.316 χ^2 /NDF: 38.1/33

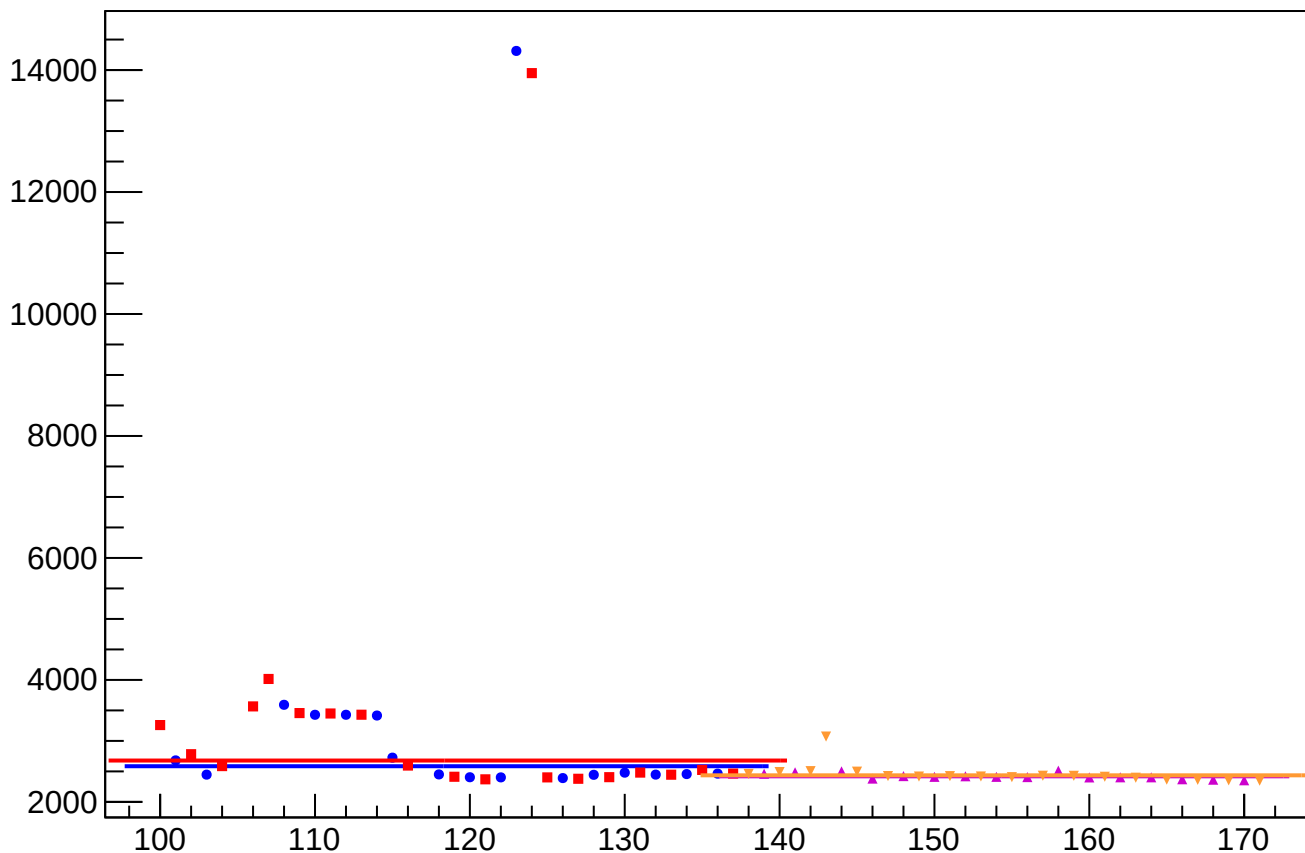
Right: 1263.106 $\pm$ 720.235 χ^2 /NDF: 35.3/35

In: 1778.343 $\pm$ 567.869 χ^2 /NDF:34.3/32

Out: 1352.322 $\pm$ 557.627 χ^2 /NDF:39.1/36

All: 1561.456 $\pm$ 397.874 χ^2 /NDF: 73.6/69

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2435.669+/-0.470 χ^2/NDF : 65967.0/17

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

Left In: 2419.268+/-0.485 χ^2/NDF : 8826.8/15

Left: 2427.720+/-0.338 χ^2/NDF : 75383.6/33

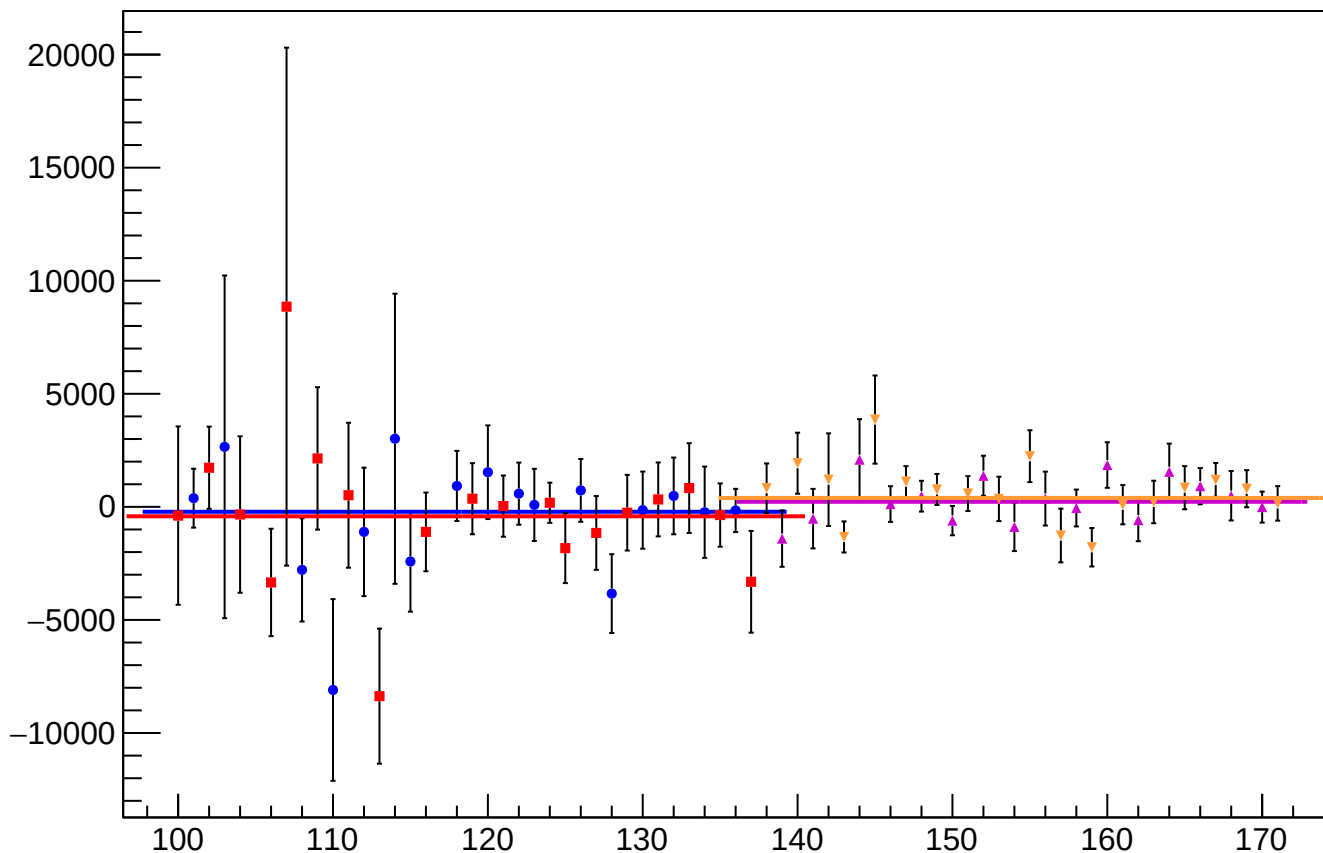
Right: 2631.050+/-0.509 χ^2/NDF : 796216.7/35

In: 2471.248+/-0.402 χ^2/NDF : 301150.0/32

Out: 2507.631+/-0.394 χ^2/NDF : 677025.6/36

All: 2489.770+/-0.281 χ^2/NDF : 982355.1/69

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 394.489 ± 211.509 χ^2/NDF : 25.5/17

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

Left In: 225.088 ± 227.472 χ^2/NDF : 13.2/15

Left: 315.940 ± 154.896 χ^2/NDF : 39.0/33

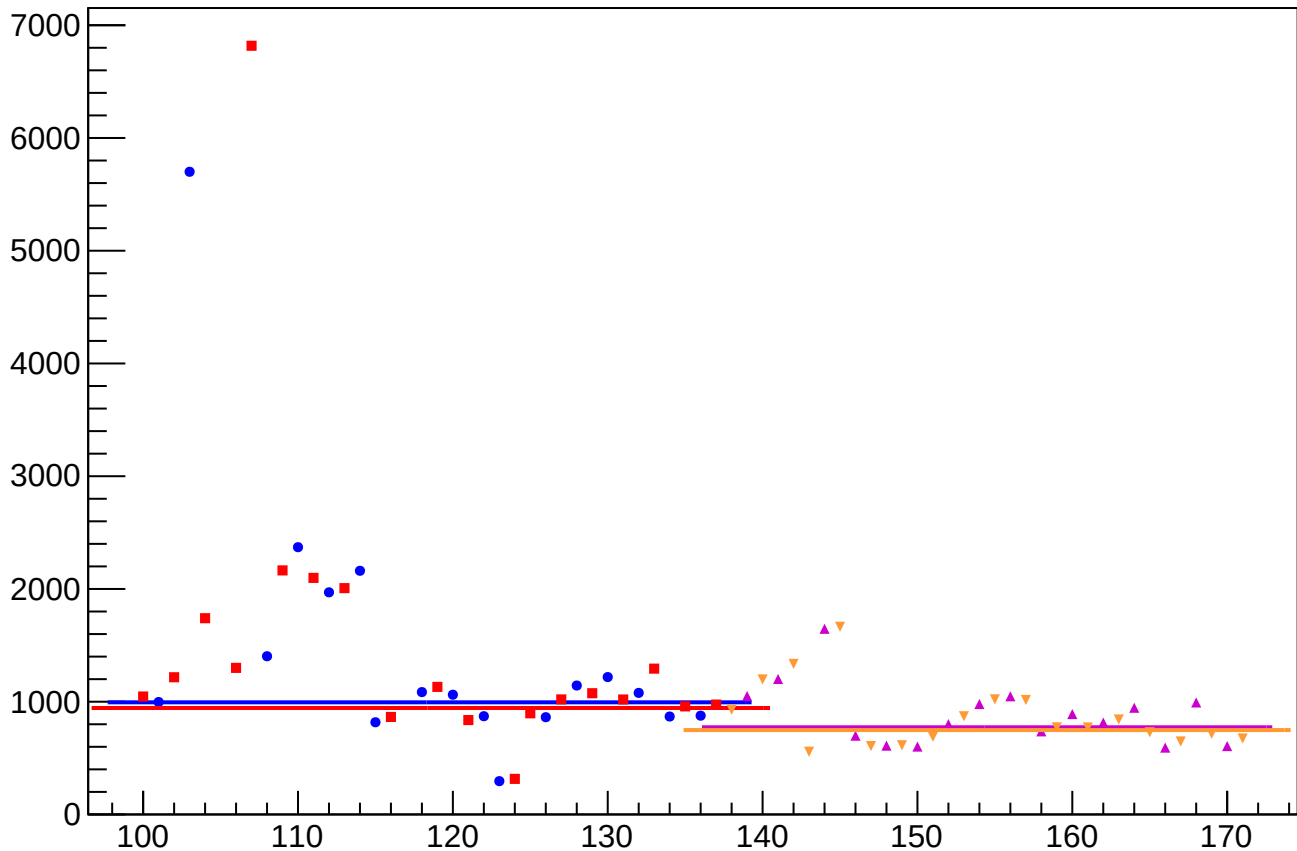
Right: -319.789 ± 293.036 χ^2/NDF : 29.2/35

In: 124.846 ± 200.029 χ^2/NDF : 27.4/32

Out: 223.204 ± 187.872 χ^2/NDF : 44.3/36

All: 177.104 ± 136.942 χ^2/NDF : 71.9/69

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 994.541 $\pm$ 0.297 χ^2 /NDF: 1904549.2/16

Left Out: 748.443 $\pm$ 0.150 χ^2 /NDF:1540243.2/17

Right Out: 944.286 $\pm$ 0.289 χ^2 /NDF: 2666007.0/18

Left In: 773.188 $\pm$ 0.161 χ^2 /NDF:1613695.8/15

Left: 759.917 $\pm$ 0.110 χ^2 /NDF: 3166632.4/33

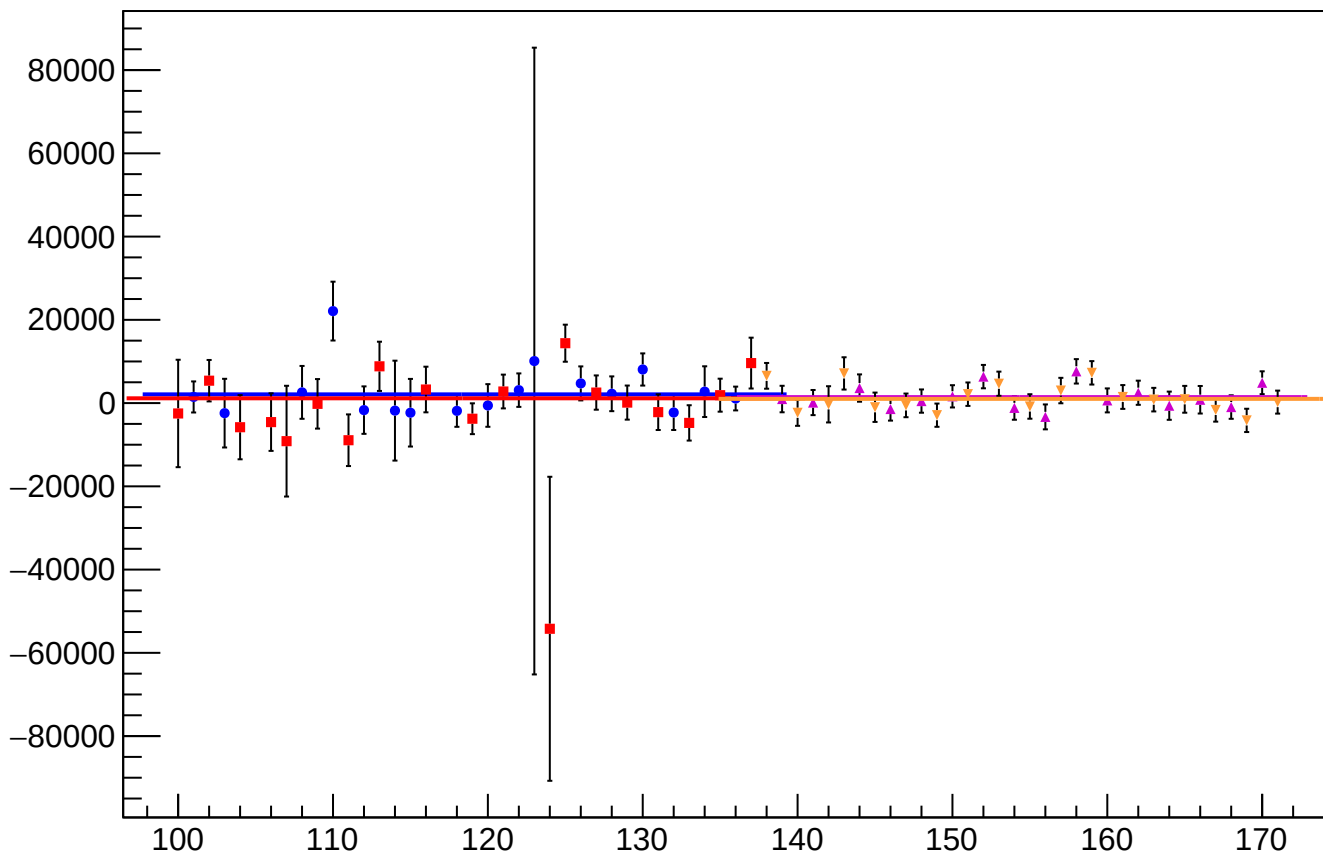
Right: 968.741 $\pm$ 0.207 χ^2 /NDF: 4585251.1/35

In: 823.377 $\pm$ 0.141 χ^2 /NDF:3947651.6/32

Out: 789.770 $\pm$ 0.133 χ^2 /NDF:4568092.0/36

All: 805.521 $\pm$ 0.097 χ^2 /NDF: 8545739.1/69

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1015.172+/-710.415 χ^2 /NDF:21.4/17

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

Left In: 1432.395+/-734.829 χ^2 /NDF:15.6/15

Left: 1216.738+/-510.752 χ^2 /NDF: 37.2/33

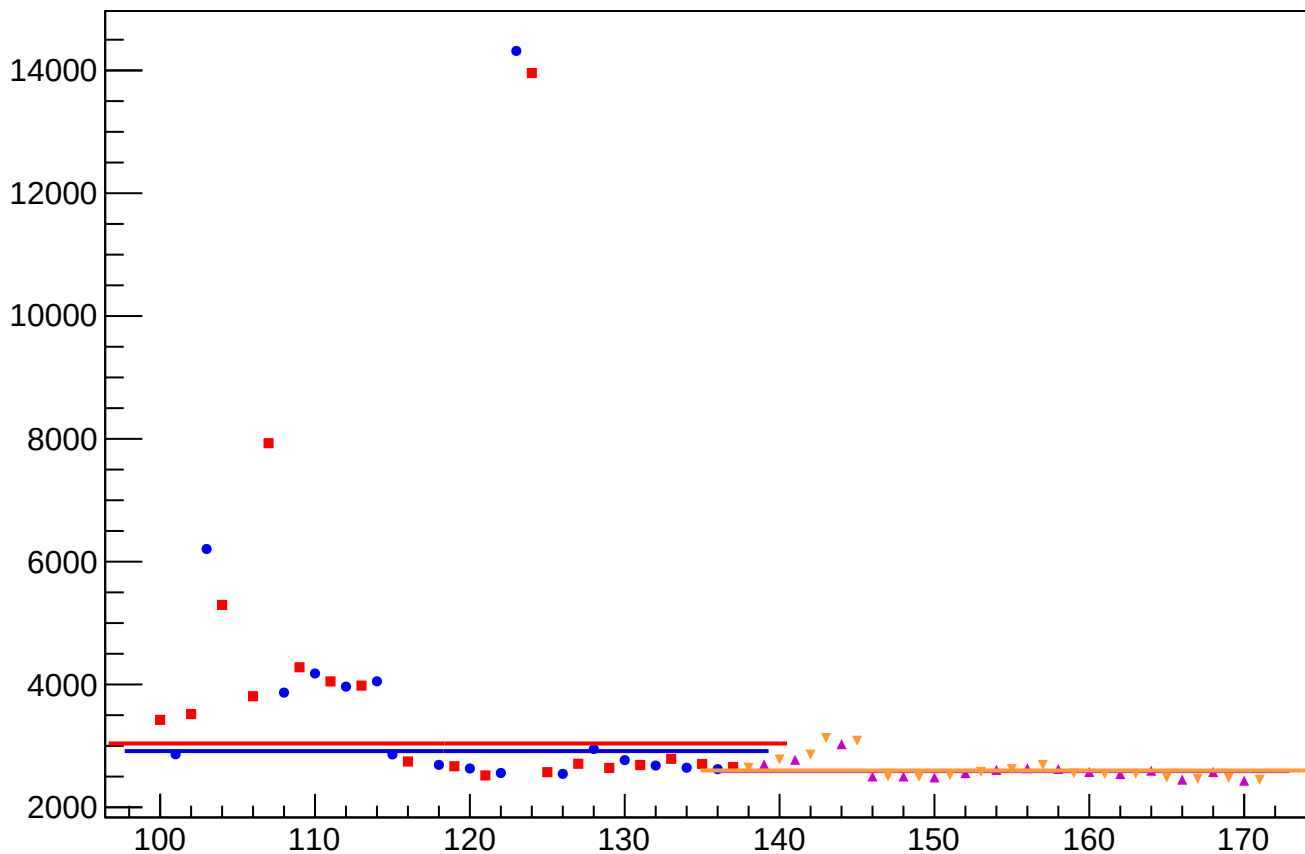
Right: 1631.633+/-829.783 χ^2 /NDF: 40.1/35

In: 1621.774+/-620.823 χ^2 /NDF:30.5/32

Out: 1050.147+/-609.581 χ^2 /NDF:46.6/36

All: 1330.738+/-434.959 χ^2 /NDF: 77.5/69

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2599.465+/-0.502 χ^2/NDF :116747.5/17

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

Left In: 2589.853+/-0.520 χ^2/NDF :64208.0/15

Left: 2594.822+/-0.361 χ^2/NDF : 181132.4/33

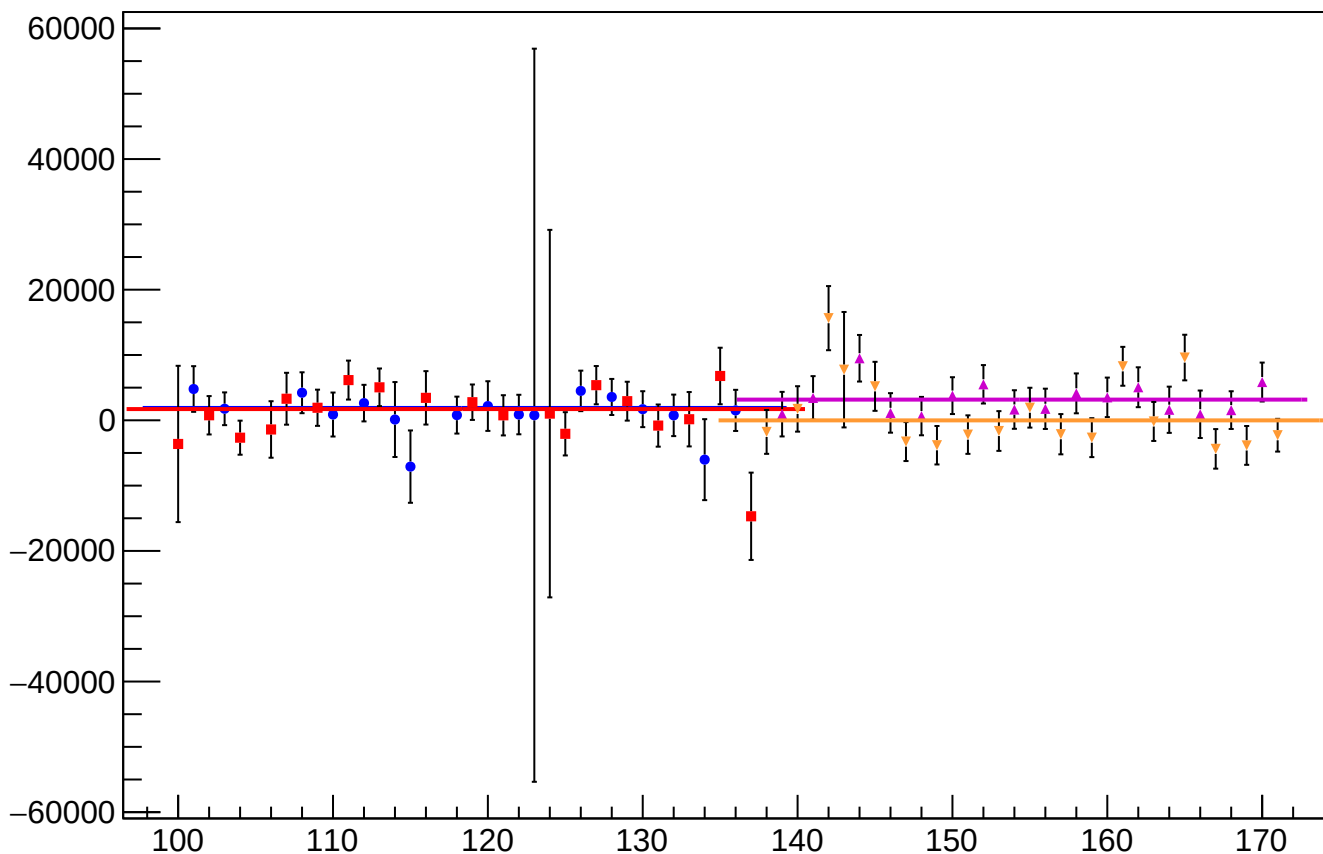
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

In: 2682.975+/-0.439 χ^2/NDF :815560.2/32

Out: 2715.420+/-0.431 χ^2/NDF :1330163.7/36

All: 2699.494+/-0.308 χ^2/NDF : 2148505.0/69

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -11.238 $\pm$ 753.570 χ^2 /NDF:38.6/17

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

Left In: 3168.303 $\pm$ 778.004 χ^2 /NDF:8.1/15

Left: 1527.821 $\pm$ 541.286 χ^2 /NDF: 55.4/33

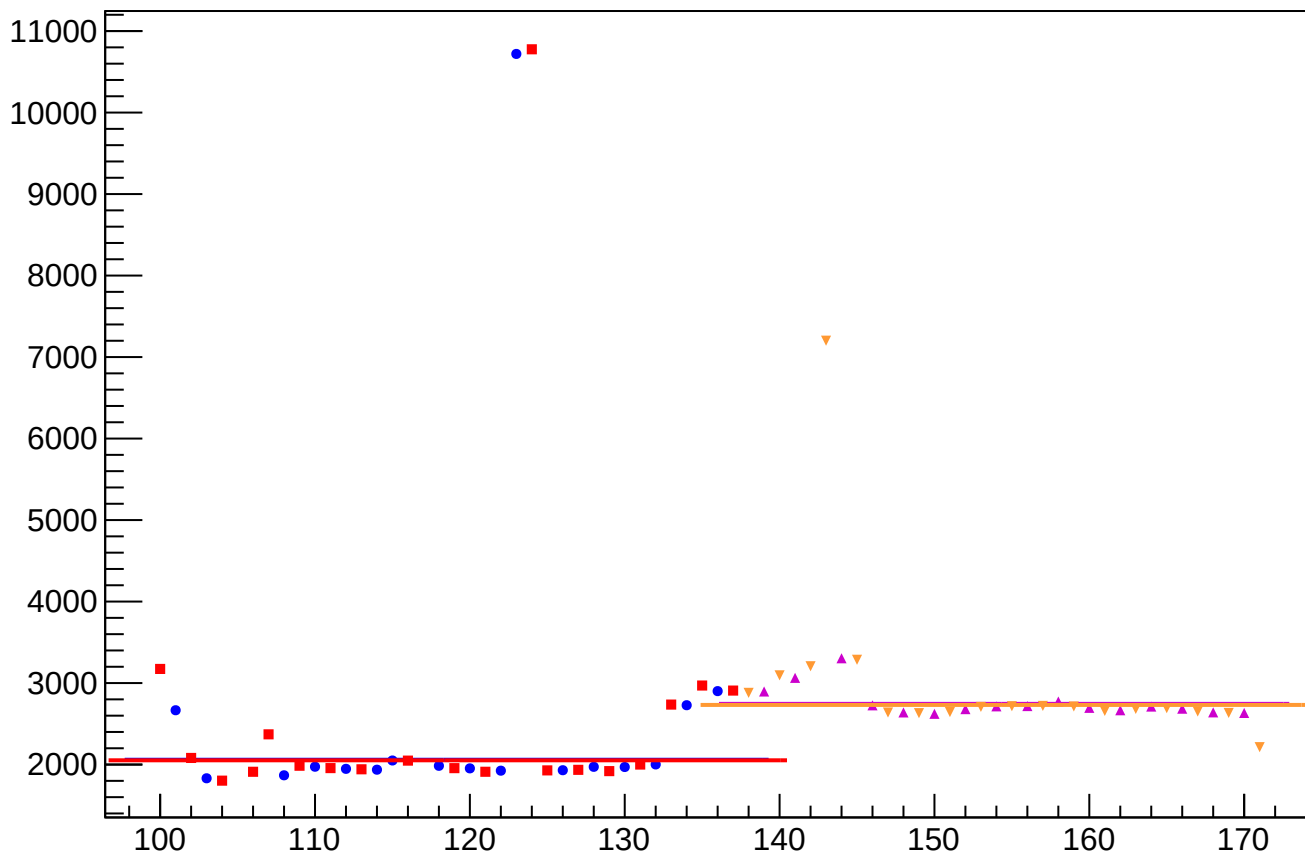
Right: 1802.263 $\pm$ 566.080 χ^2 /NDF: 26.2/35

In: 2555.996 $\pm$ 561.577 χ^2 /NDF:16.7/32

Out: 813.010 $\pm$ 545.315 χ^2 /NDF:60.1/36

All: 1658.900 $\pm$ 391.219 χ^2 /NDF: 81.7/69

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2731.724+/-0.533 χ^2/NDF :696827.0/17

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

Left In: 2744.593+/-0.550 χ^2/NDF :87286.8/15

Left: 2737.953 ± 0.383 $\chi^2/\text{NDF}: 784396.1/33$

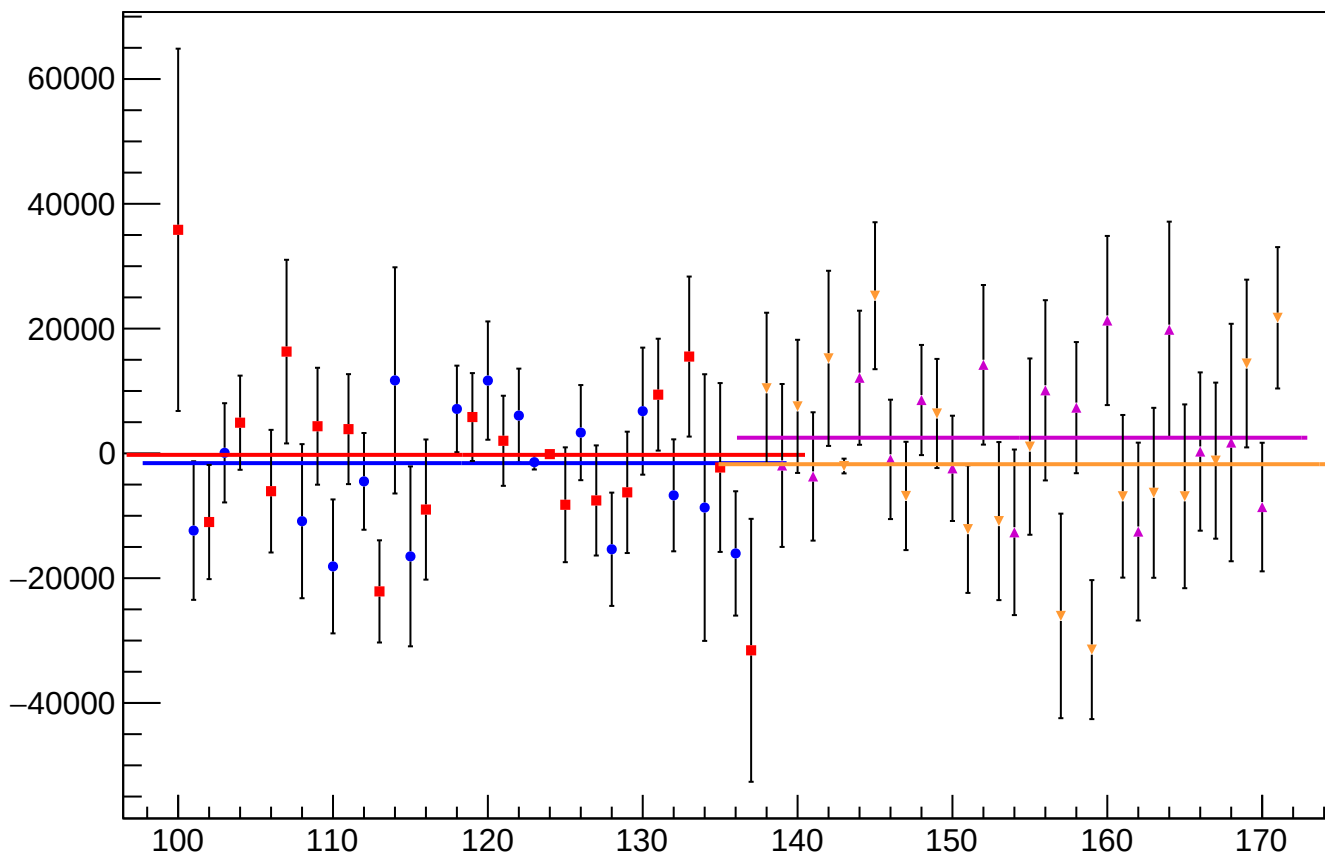
Right: 2055.522+/-0.400 χ^2/NDF : 761953.2/35

ln: 2416.191+/-0.397 χ^2/NDF :1149830.5/32

Out: 2408.065+/-0.386 χ^2/NDF :1914678.4/36

All: 2412.009+/-0.277 χ^2/NDF : 3064724.5/69

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1733.503+/-1092.767 χ^2/NDF : 26.8/17

Right Out: -236.197+/-695.167 χ^2/NDF : 20.8/18

Left In: 2508.956+/-2892.625 χ^2/NDF : 10.1/15

Left: -1203.657+/-1022.253 χ^2/NDF : 38.7/33

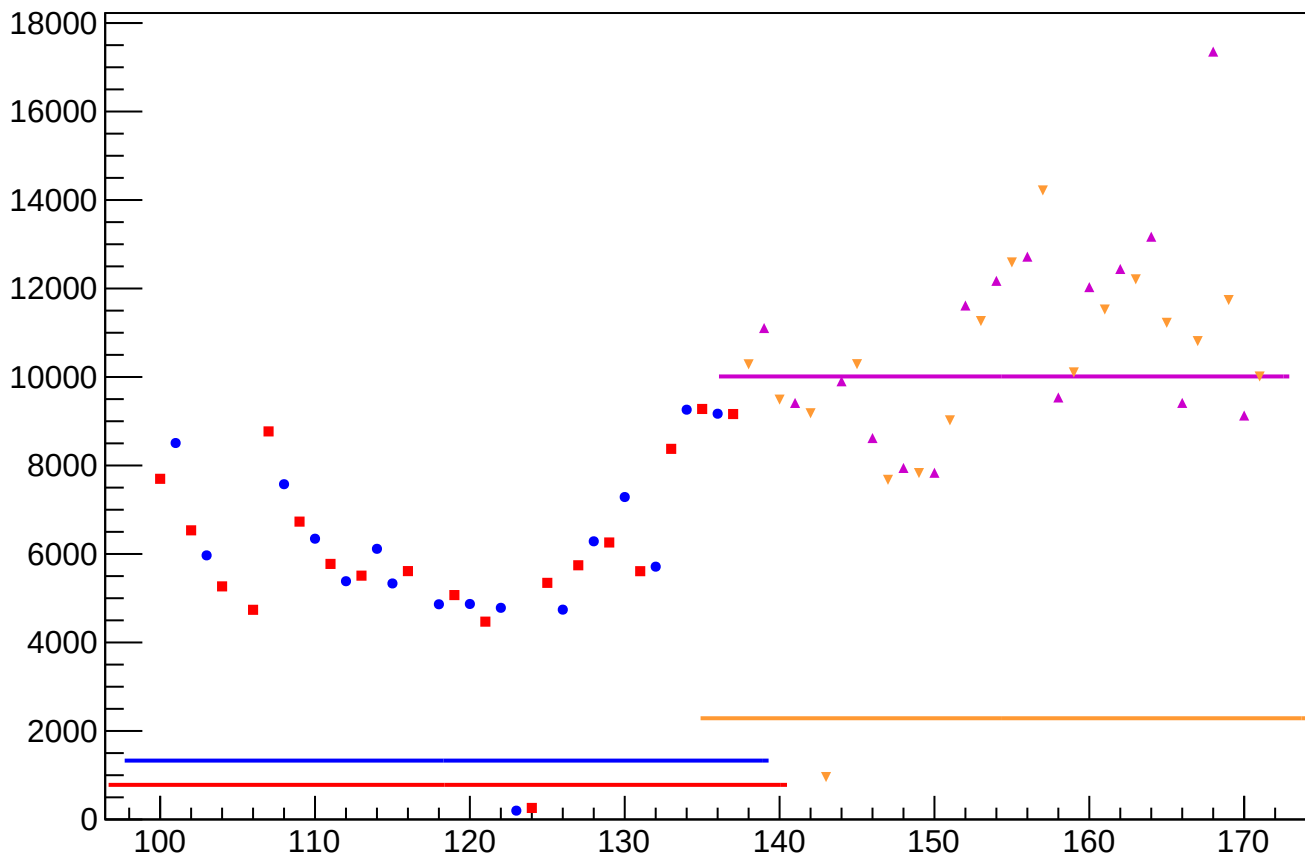
Right: -638.499+/-580.304 χ^2/NDF : 38.1/35

In: -1085.972+/-990.262 χ^2/NDF : 28.0/32

Out: -667.571+/-586.542 χ^2/NDF : 48.9/36

All: -776.236+/-504.660 χ^2/NDF : 77.1/69

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250+/-0.745

χ^2/NDF : 10046828.9/16

Left Out: 2287.216+/-0.773

χ^2/NDF : 17917417.9/17

Right Out: 781.848+/-0.492

χ^2/NDF : 11439893.7/18

Left In: 10012.294+/-2.045

χ^2/NDF : 950871.7/15

Left: 3252.011+/-0.723

χ^2/NDF : 31351132.2/33

Right: 948.102+/-0.410

χ^2/NDF : 21864055.1/35

In: 2347.758+/-0.700

χ^2/NDF : 26903430.5/32

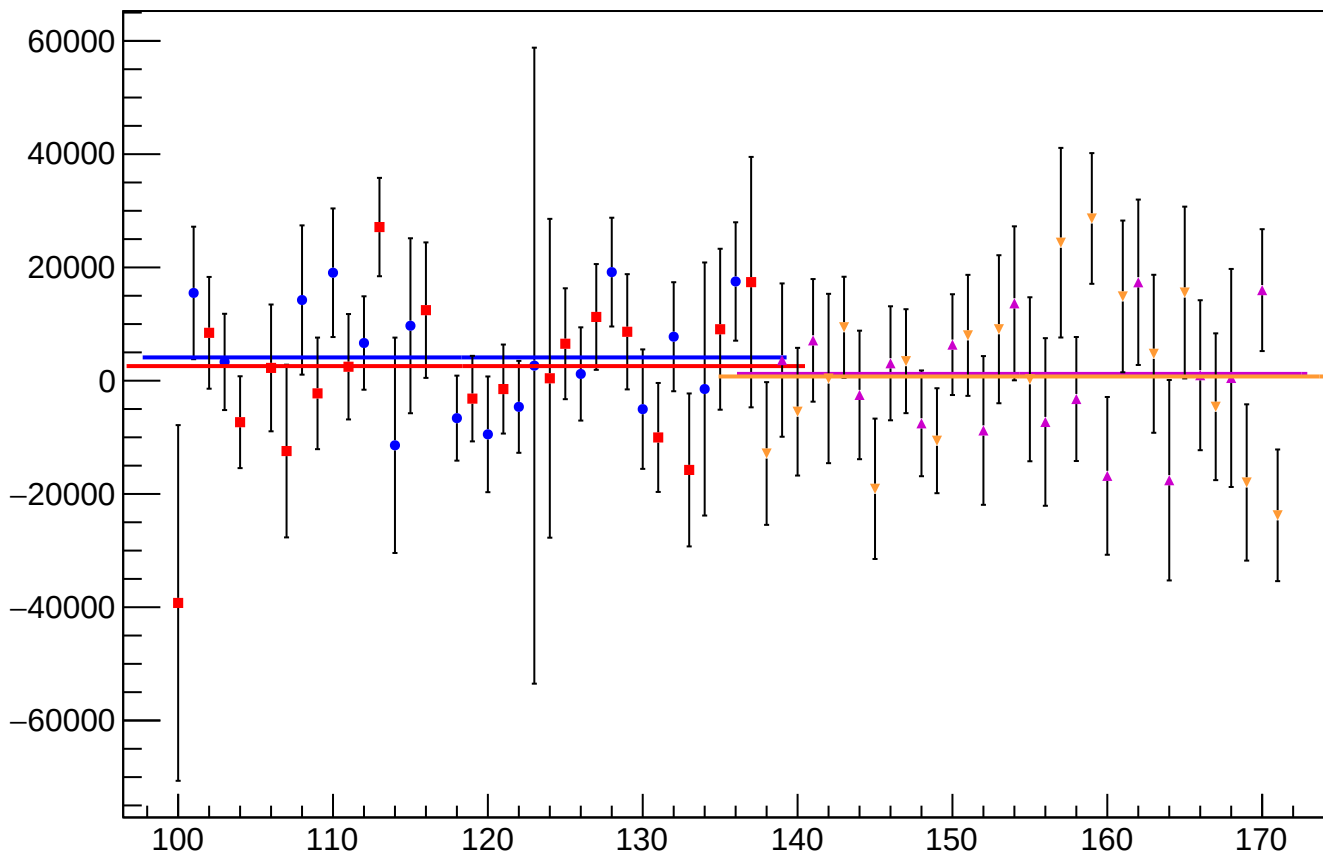
Out: 1215.544+/-0.415

χ^2/NDF : 32059276.5/36

All: 1509.597+/-0.357

χ^2/NDF : 60898175.3/6

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 744.742+/-2824.472 χ^2/NDF : 23.9/17

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

Left In: 1200.182+/-3016.462 χ^2/NDF : 9.5/15

Left: 957.508+/-2061.738 χ^2/NDF : 33.4/33

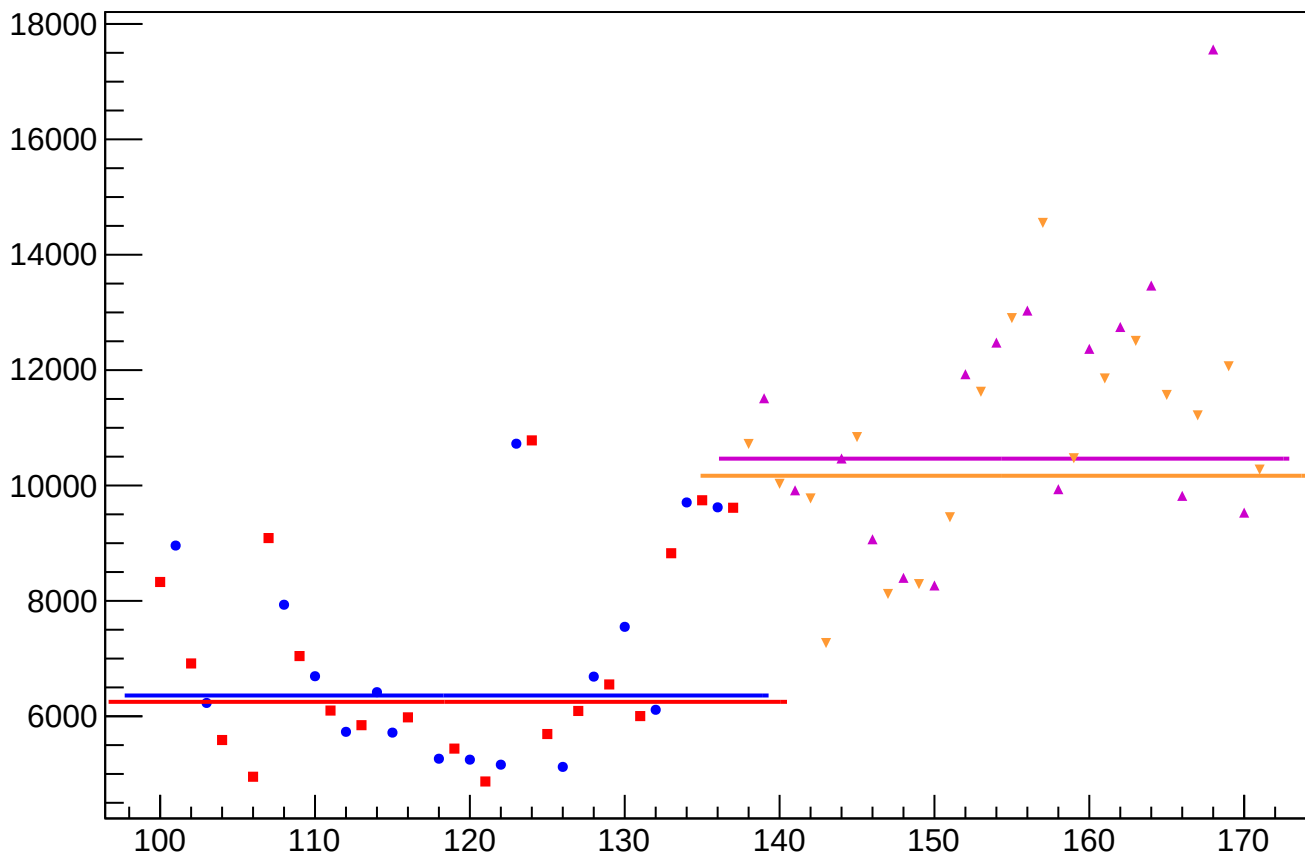
Right: 3309.487+/-1750.441 χ^2/NDF : 34.5/35

In: 2906.923+/-1940.441 χ^2/NDF : 24.4/32

Out: 1801.583+/-1837.925 χ^2/NDF : 44.1/36

All: 2324.284+/-1334.380 χ^2/NDF : 68.6/69

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 10168.843+/-1.997 χ^2/NDF : 803928.8/17

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

Left In: 10465.340+/-2.133 χ^2/NDF : 843968.2/15

Left: 10307.357+/-1.458 χ^2/NDF : 1658193.0/33

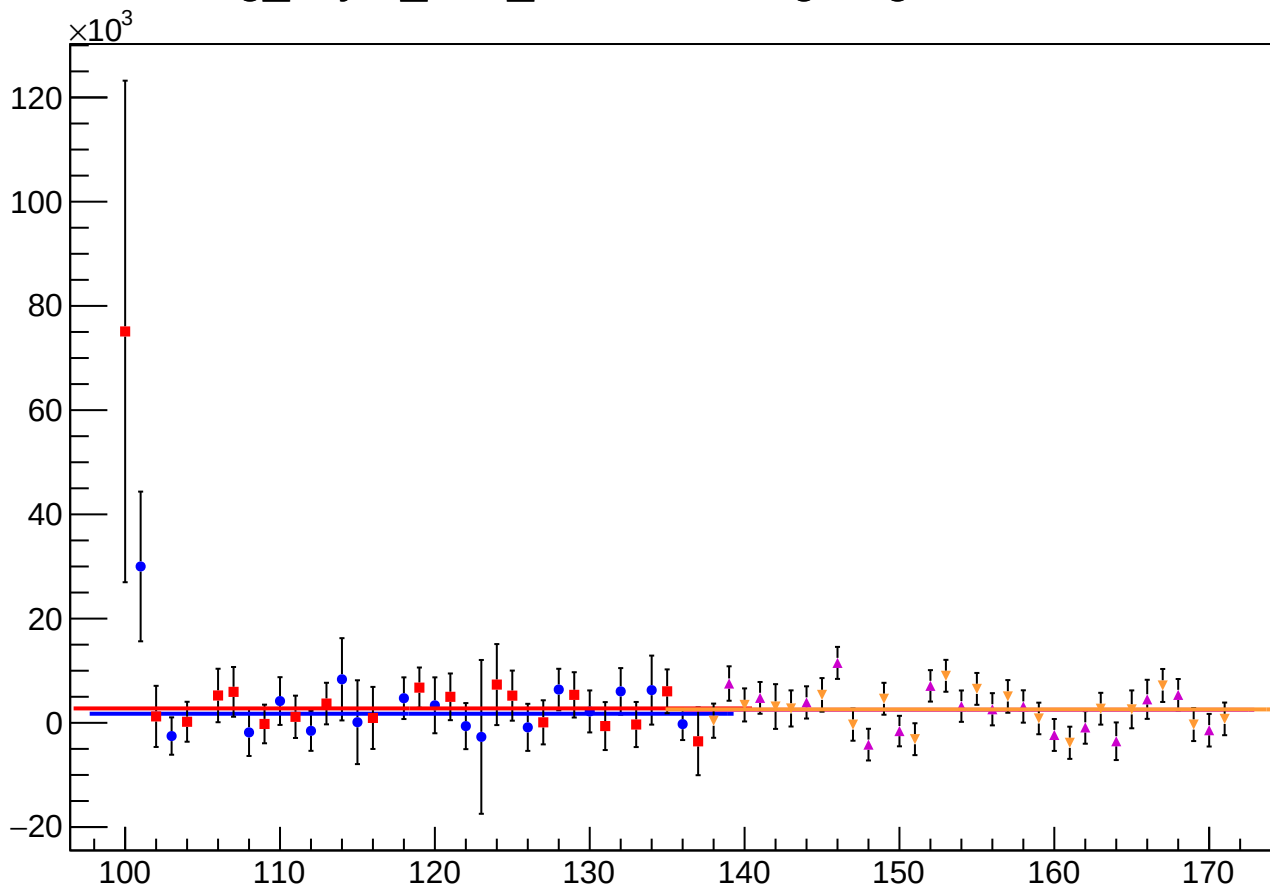
Right: 6302.460+/-1.238 χ^2/NDF : 1115403.3/35

In: 8058.795+/-1.372 χ^2/NDF : 3596064.7/32

Out: 7909.293+/-1.300 χ^2/NDF : 3556776.3/36

All: 7979.989+/-0.944 χ^2/NDF : 7159099.1/69

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2576.734 $\pm$ 754.199 χ^2/NDF : 20.7/17

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

Left In: 2499.563 $\pm$ 783.274 χ^2/NDF : 30.1/15

Left: 2539.607 $\pm$ 543.287 χ^2/NDF : 50.8/33

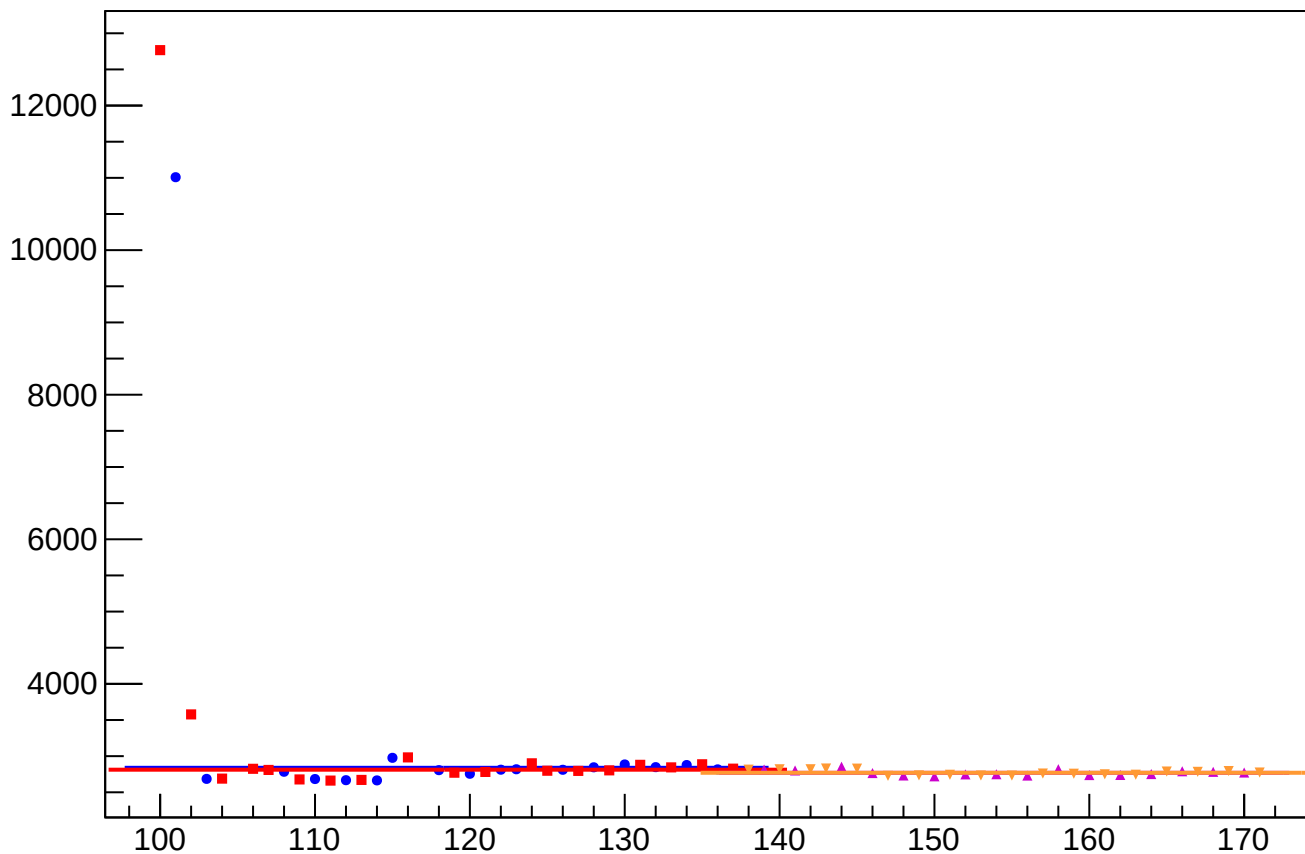
Right: 2281.084 $\pm$ 777.212 χ^2/NDF : 22.3/35

In: 2254.569 $\pm$ 643.471 χ^2/NDF : 42.6/32

Out: 2638.695 $\pm$ 616.825 χ^2/NDF : 30.5/36

All: 2454.749 $\pm$ 445.283 χ^2/NDF : 73.2/69

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2770.086 $\pm$ 0.533 χ^2 /NDF: 4220.6/17

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

Left In: 2768.924 $\pm$ 0.554 χ^2 /NDF: 4524.5/15

Left: 2769.527 $\pm$ 0.384 χ^2 /NDF: 8747.4/33

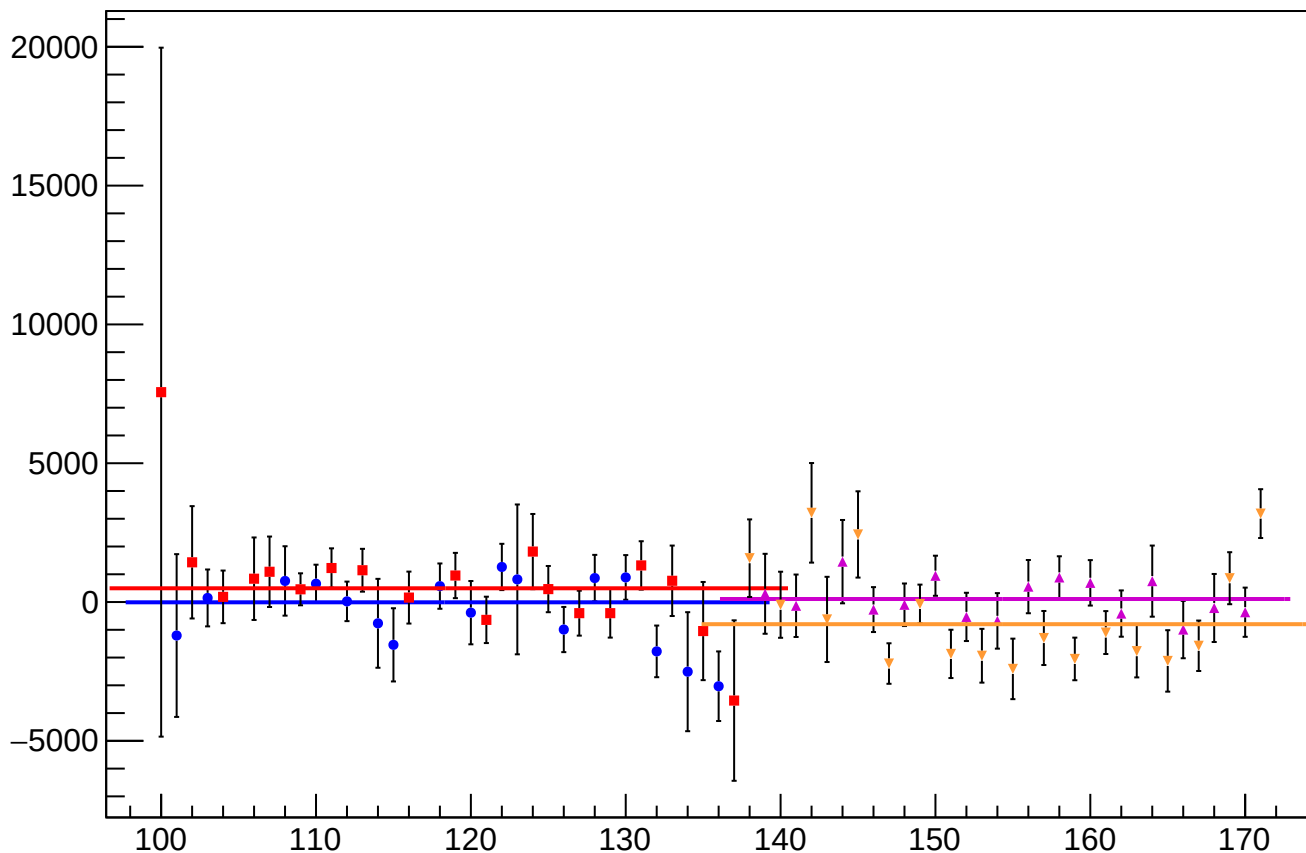
Right: 2825.011 $\pm$ 0.550 χ^2 /NDF: 793836.1/35

In: 2791.621 $\pm$ 0.455 χ^2 /NDF: 669899.3/32

Out: 2784.172 $\pm$ 0.436 χ^2 /NDF: 139391.6/36

All: 2787.739 $\pm$ 0.315 χ^2 /NDF: 809430.7/69

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -797.837 ± 226.200 χ^2/NDF : 52.5/17

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

Left In: 109.324 ± 233.047 χ^2/NDF : 7.6/15

Left: -357.780 ± 162.314 χ^2/NDF : 67.8/33

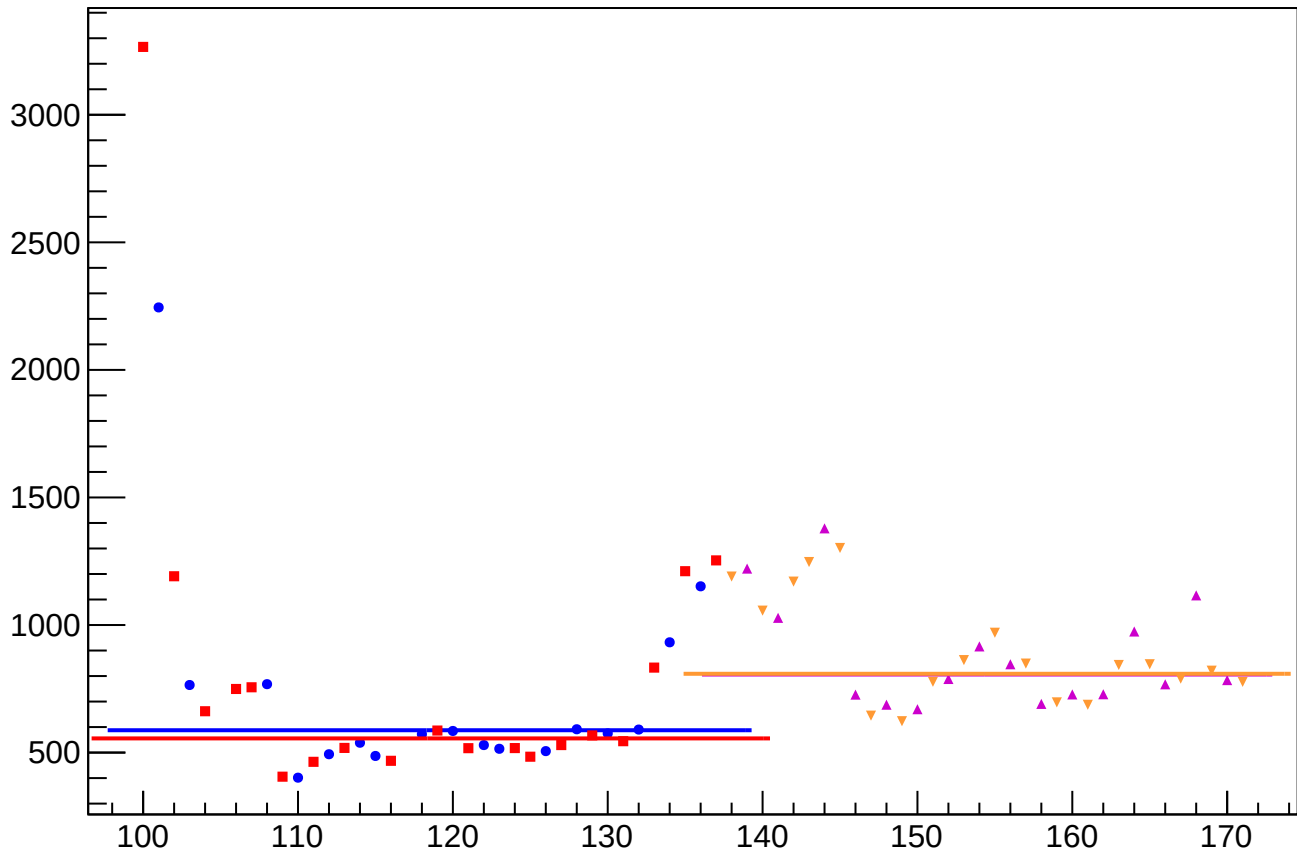
Right: 264.680 ± 163.287 χ^2/NDF : 35.0/35

In: 51.905 ± 167.758 χ^2/NDF : 28.4/32

Out: -137.683 ± 158.255 χ^2/NDF : 81.0/36

All: -48.411 ± 115.116 χ^2/NDF : 110.1/69

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 808.853+/-0.160 χ^2/NDF :1081013.2/17

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

Left In: 805.902+/-0.165 χ^2/NDF :949560.4/15

Left: 807.422+/-0.115 χ^2/NDF : 2030738.7/33

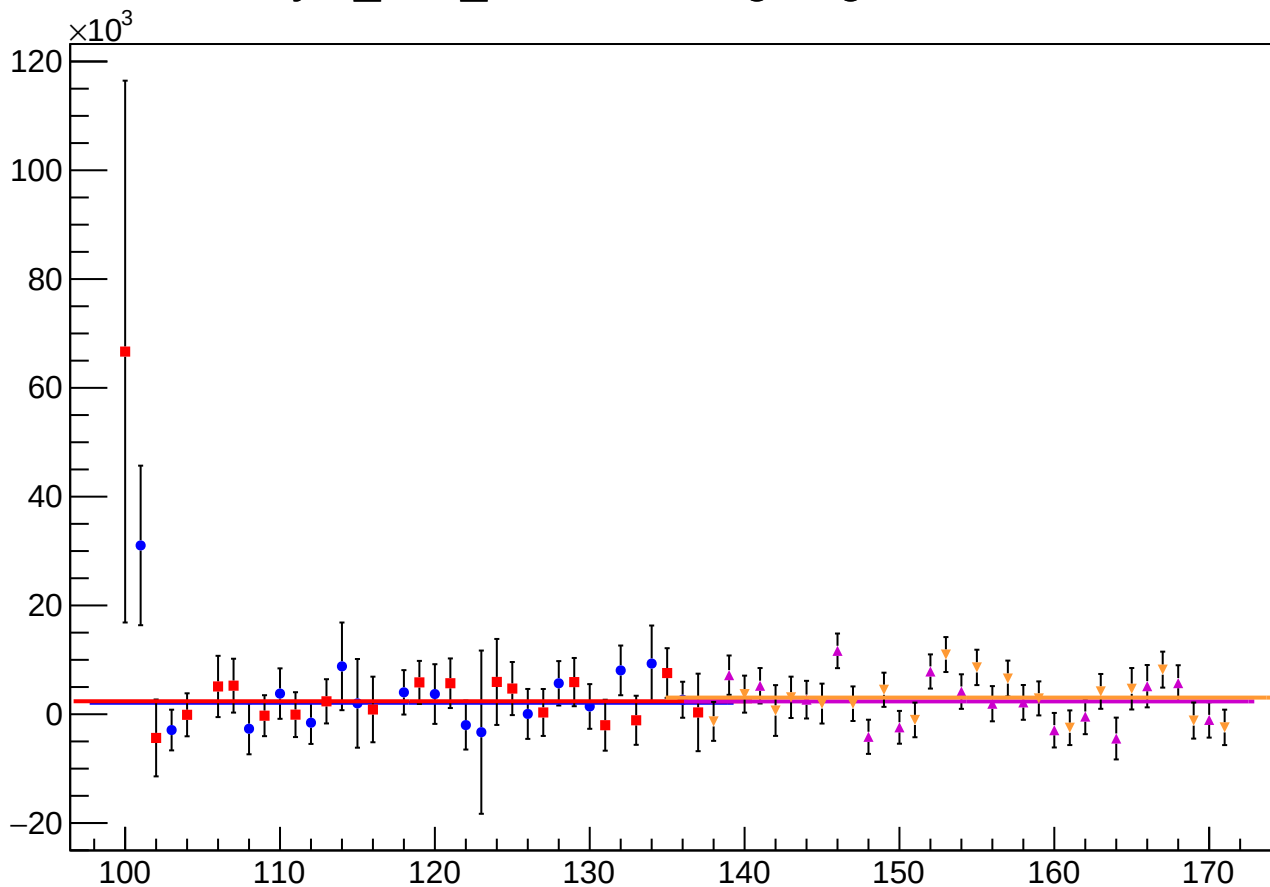
Right: 570.170+/-0.115 χ^2/NDF : 2551661.9/35

In: 700.717+/-0.119 χ^2/NDF :3220926.9/32

Out: 679.527+/-0.112 χ^2/NDF :3468336.6/36

All: 689.505+/-0.081 χ^2/NDF : 6706147.5/69

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3059.153 $\pm$ 795.457 χ^2 /NDF: 24.2/17

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

Left In: 2358.358 $\pm$ 823.952 χ^2 /NDF: 30.6/15

Left: 2721.082 $\pm$ 572.282 χ^2 /NDF: 55.2/33

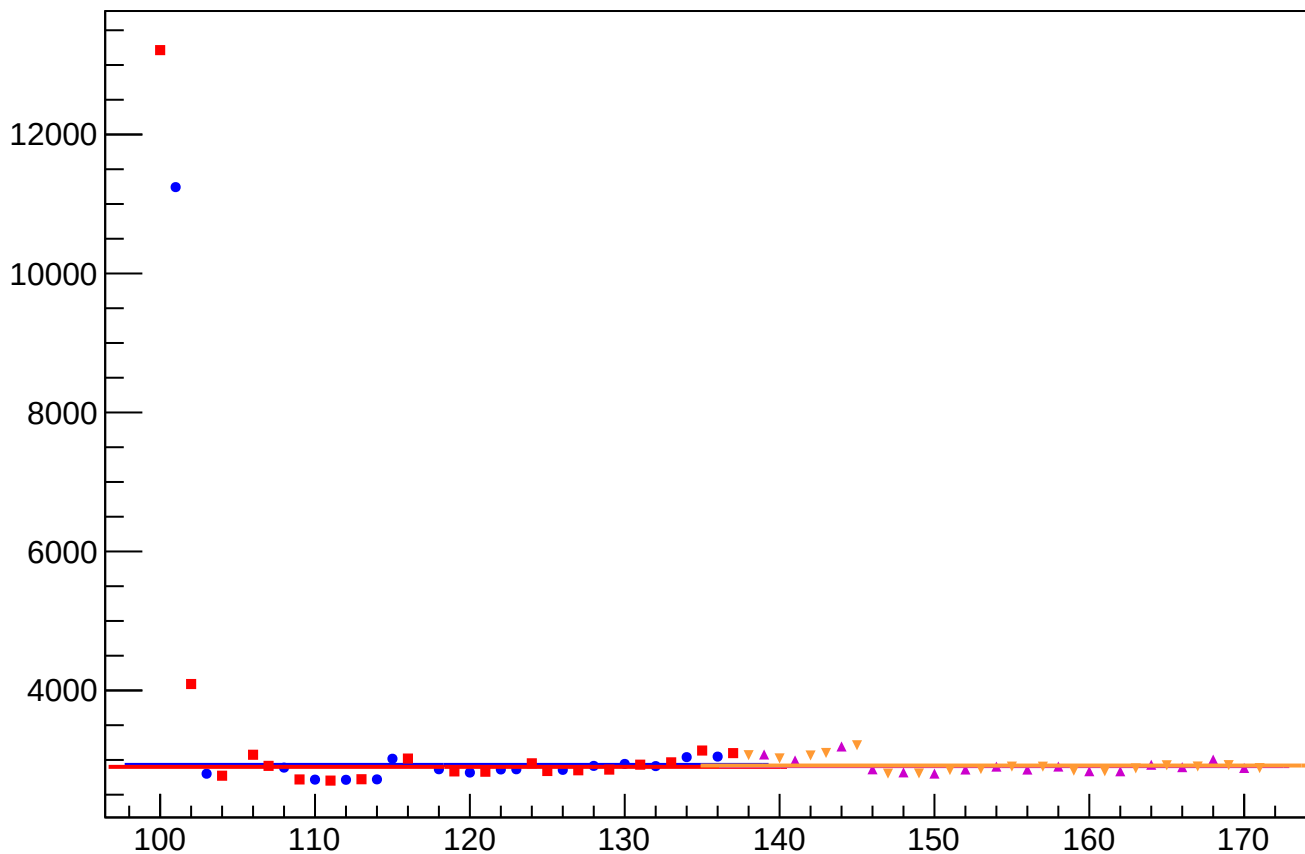
Right: 2253.766 $\pm$ 803.505 χ^2 /NDF: 23.4/35

In: 2274.985 $\pm$ 672.579 χ^2 /NDF: 44.1/32

Out: 2830.766 $\pm$ 646.622 χ^2 /NDF: 34.3/36

All: 2563.807 $\pm$ 466.137 χ^2 /NDF: 78.8/69

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2919.605+/-0.562 χ^2/NDF : 34221.6/17

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

Left In: 2911.304+/-0.583 χ^2/NDF : 28421.2/15

Left: 2915.601+/-0.405 χ^2/NDF : 62747.9/33

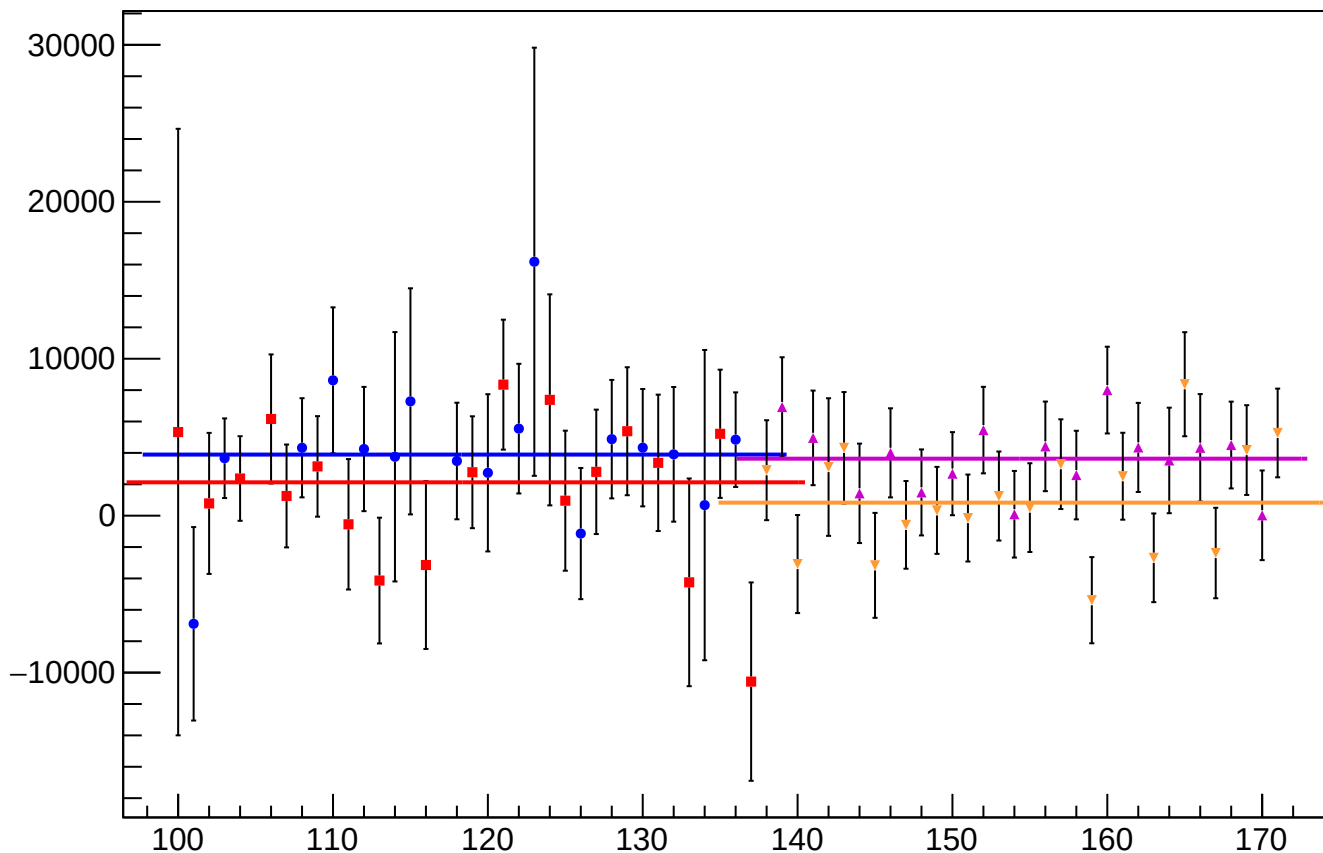
Right: 2913.915+/-0.568 χ^2/NDF : 832699.2/35

In: 2917.109+/-0.476 χ^2/NDF : 691081.6/32

Out: 2913.115+/-0.457 χ^2/NDF : 204334.7/36

All: 2915.033+/-0.330 χ^2/NDF : 895452.9/69

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 829.908+/-701.961 χ^2/NDF :23.1/17

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

Left In: 3630.675+/-724.998 χ^2/NDF :9.1/15

Left: 2185.087+/-504.309 χ^2/NDF : 40.0/33

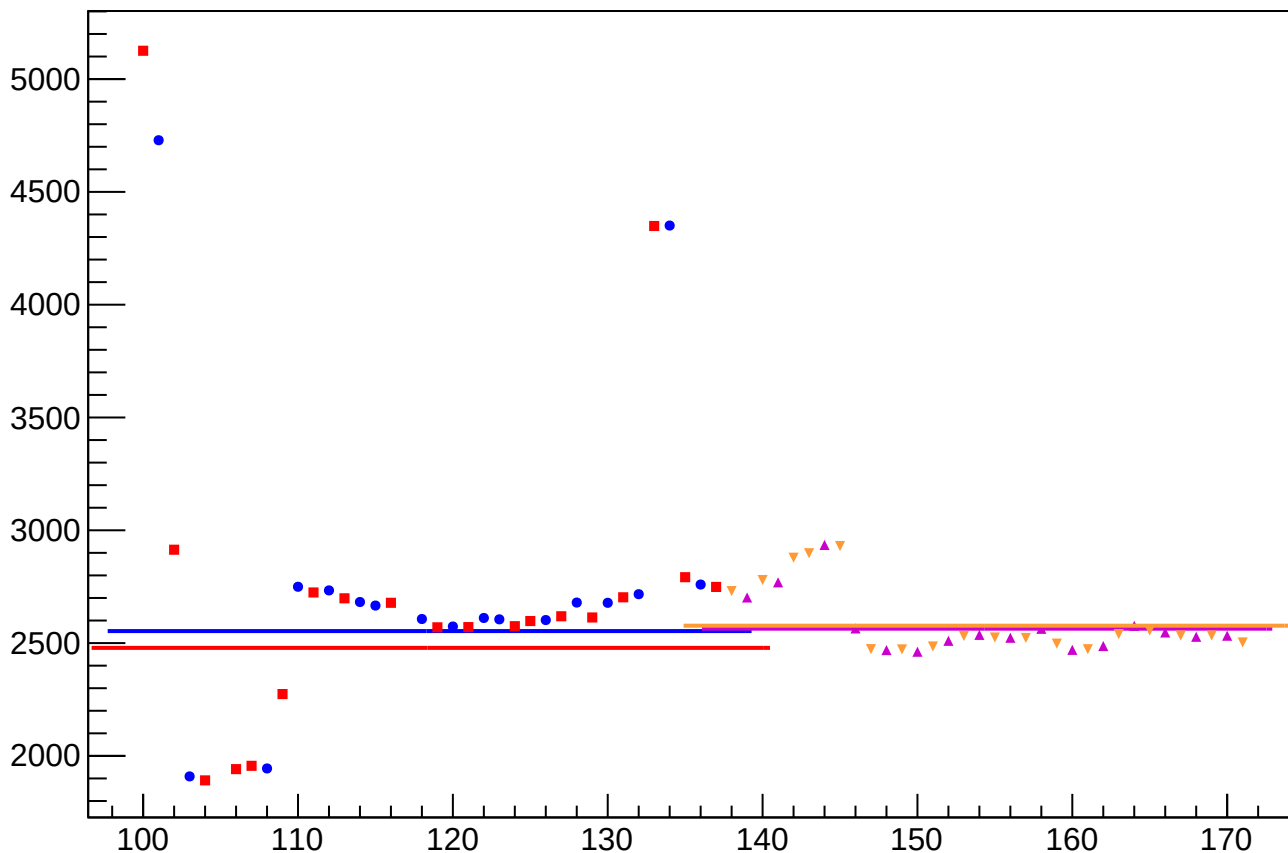
Right: 2960.811+/-695.784 χ^2/NDF : 23.1/35

In: 3719.510+/-589.309 χ^2/NDF :16.3/32

Out: 1281.975+/-566.313 χ^2/NDF :38.7/36

All: 2452.255+/-408.331 χ^2/NDF : 63.9/69

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2577.152+/-0.496 χ^2/NDF : 78136.7/17

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

Left In: 2563.861+/-0.513 χ^2/NDF : 51711.5/15

Left: 2570.721+/-0.357 χ^2/NDF : 130195.1/33

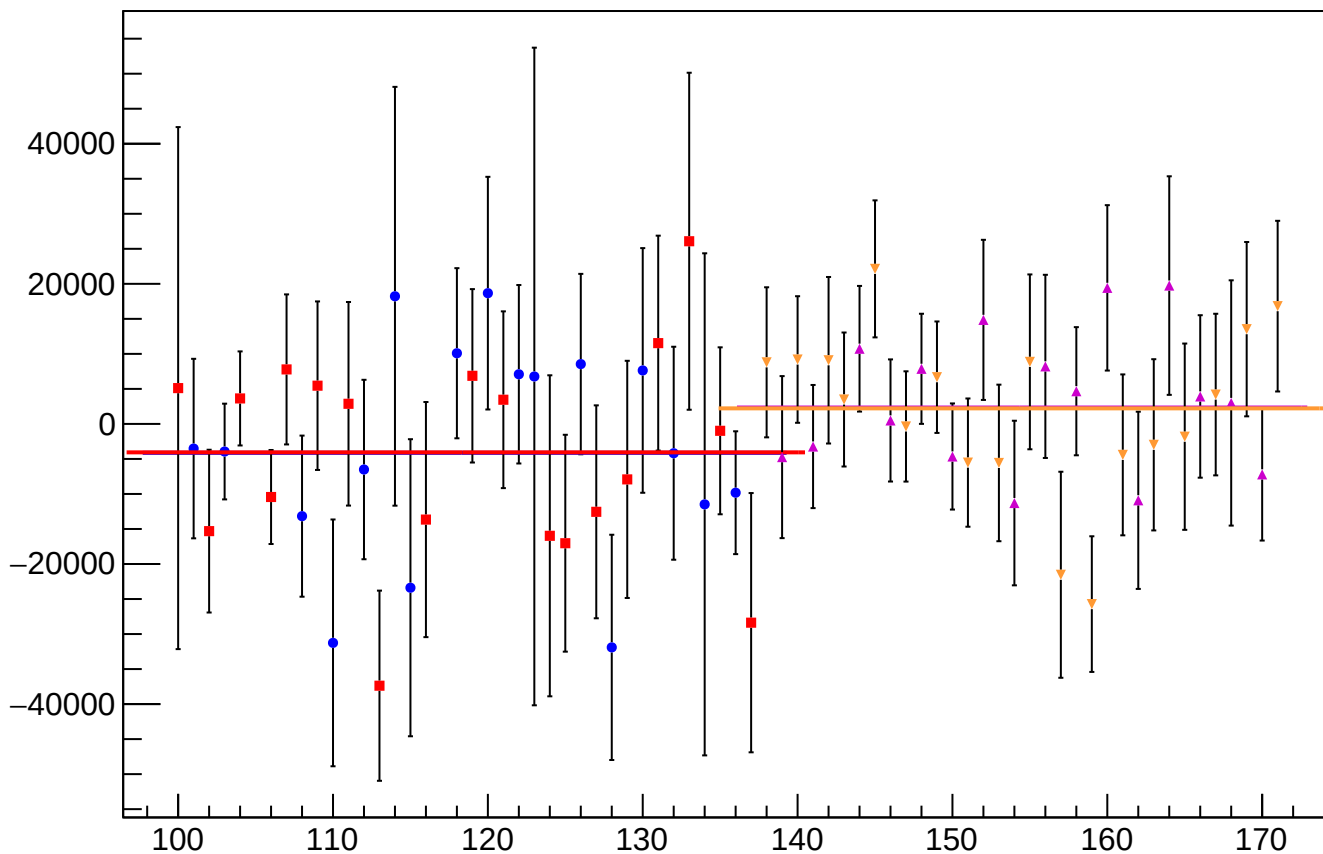
Right: 2514.058+/-0.492 χ^2/NDF : 1000433.0/35

In: 2560.271+/-0.417 χ^2/NDF : 597082.9/32

Out: 2542.834+/-0.400 χ^2/NDF : 541330.6/36

All: 2551.206+/-0.289 χ^2/NDF : 1139323.9/69

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 2220.773+/-2472.083 χ^2/NDF : 21.2/17

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

Left In: 2341.123+/-2567.214 χ^2/NDF : 11.3/15

Left: 2278.677+/-1780.708 χ^2/NDF : 32.5/33

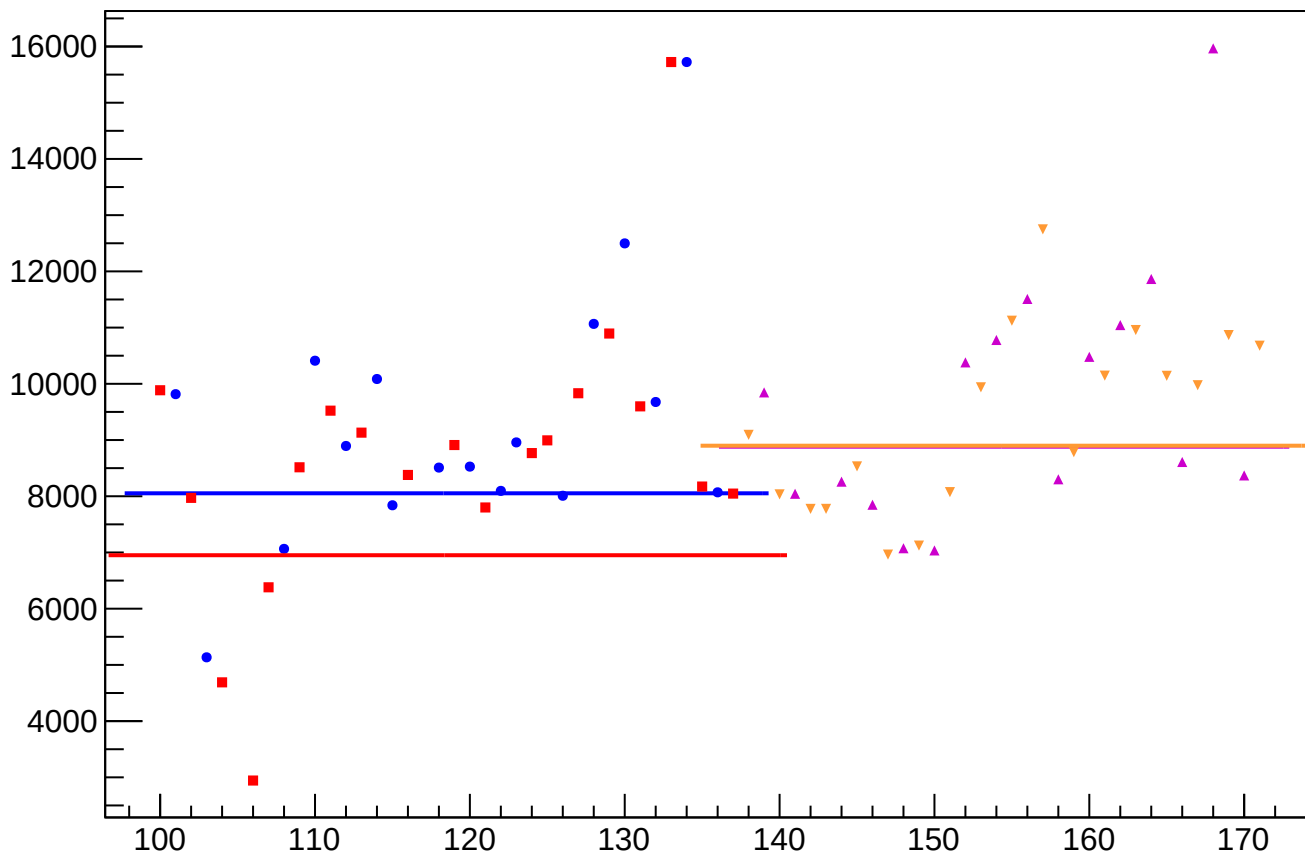
Right: -4089.066+/-2129.557 χ^2/NDF : 31.9/35

In: -165.537+/-2009.029 χ^2/NDF : 27.2/32

Out: -492.986+/-1863.020 χ^2/NDF : 42.5/36

All: -341.592+/-1366.059 χ^2/NDF : 69.7/69

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8899.035 $\pm$ 1.748 χ^2 /NDF: 730034.4/17

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

Left In: 8881.243 $\pm$ 1.815 χ^2 /NDF: 972188.8/15

Left: 8890.475 $\pm$ 1.259 χ^2 /NDF: 1702273.1/33

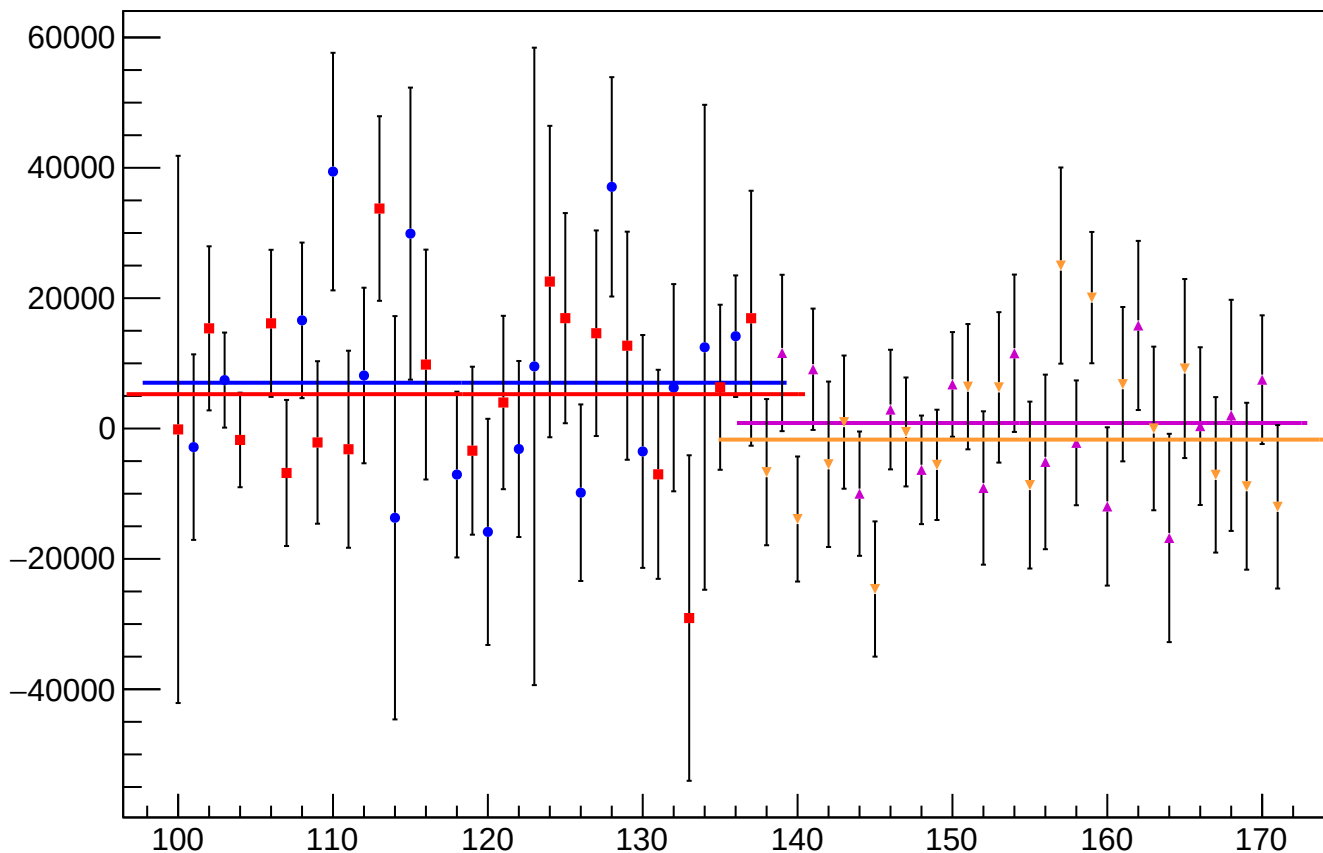
Right: 7430.673 $\pm$ 1.506 χ^2 /NDF: 2698872.2/35

In: 8560.058 $\pm$ 1.421 χ^2 /NDF: 1843683.9/32

Out: 8057.359 $\pm$ 1.317 χ^2 /NDF: 3043222.5/36

All: 8289.780 $\pm$ 0.966 χ^2 /NDF: 4954231.4/69

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -1700.601+/-2589.302 χ^2/NDF : 18.8/17

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

Left In: 847.804+/-2684.597 χ^2/NDF : 10.1/15

Left: -472.432+/-1863.692 χ^2/NDF : 29.4/33

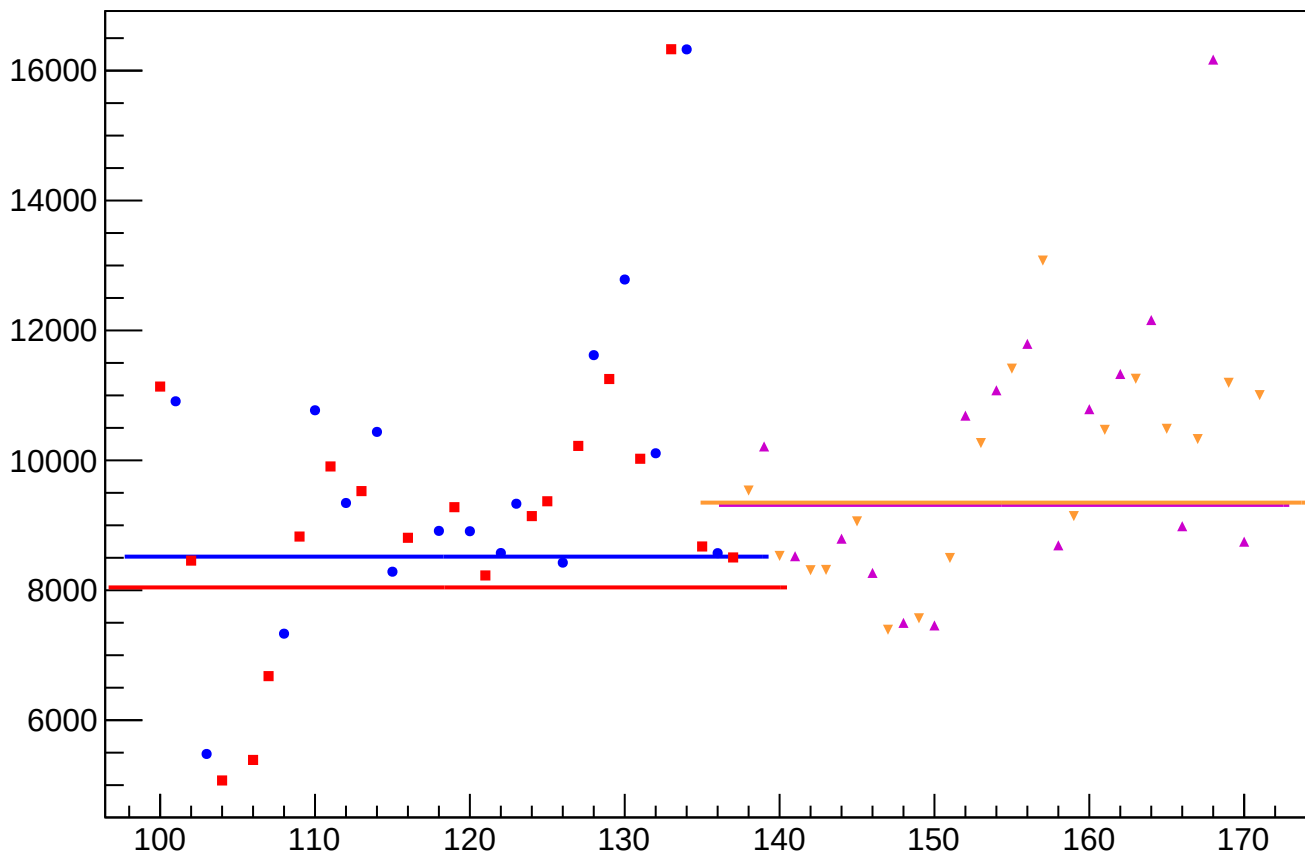
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 3212.028+/-2109.230 χ^2/NDF : 27.2/32

Out: 1091.566+/-2004.895 χ^2/NDF : 35.0/36

All: 2098.056+/-1453.160 χ^2/NDF : 62.7/69

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 9349.437+/-1.831 χ^2/NDF : 620332.0/17

Right Out: 8043.998+/-2.240 χ^2/NDF : 952125.8/18

Left In: 9314.179+/-1.898 χ^2/NDF : 854785.6/15

Left: 9332.445+/-1.318 χ^2/NDF : 1475296.4/33

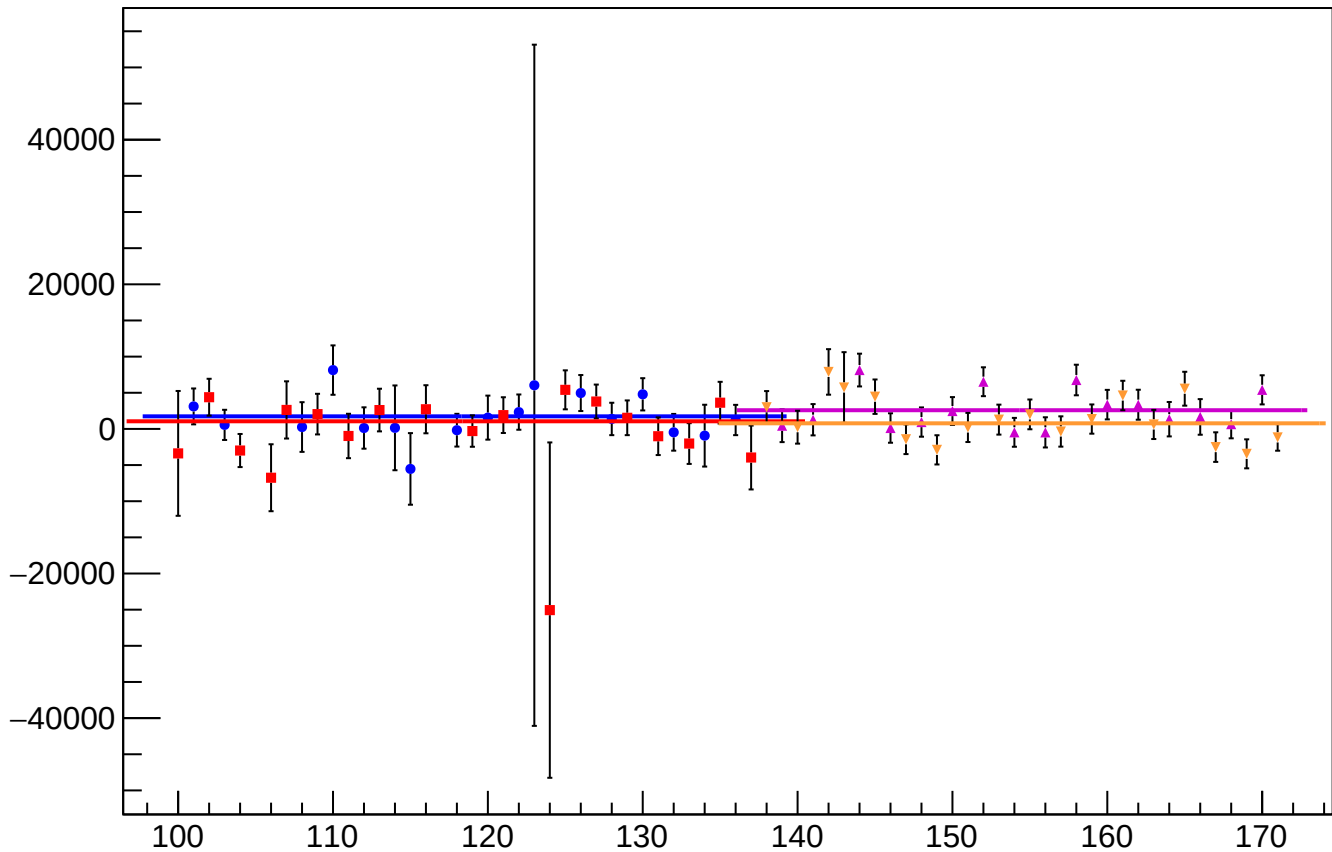
Right: 8263.573+/-1.641 χ^2/NDF : 1736141.9/35

In: 9009.430+/-1.491 χ^2/NDF : 1685409.1/32

Out: 8826.638+/-1.418 χ^2/NDF : 1776047.6/36

All: 8913.400+/-1.028 χ^2/NDF : 3469348.0/69

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 774.644+/-510.731 χ^2/NDF : 30.8/17

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

Left In: 2585.959+/-524.805 χ^2/NDF : 25.3/15

Left: 1655.689+/-366.016 χ^2/NDF : 62.2/33

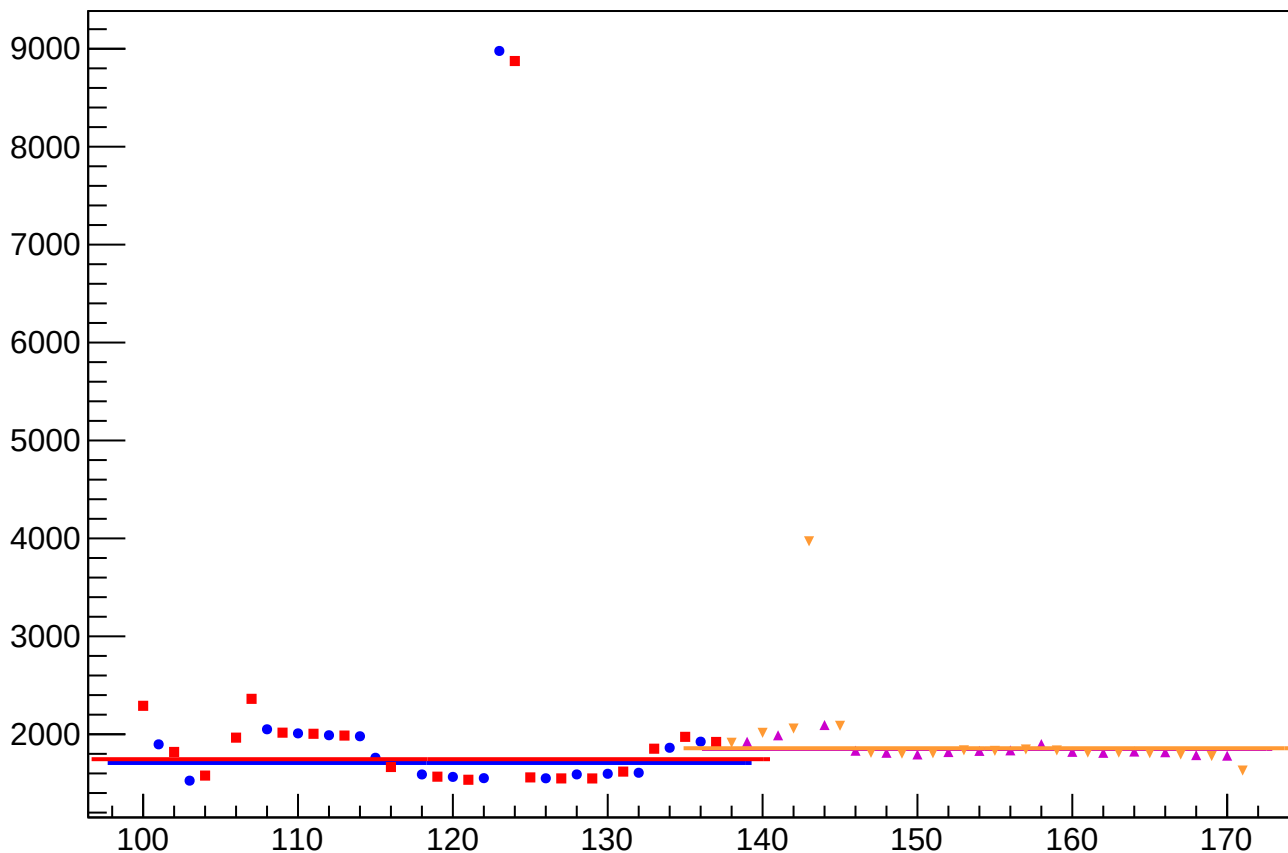
Right: 1397.913+/-474.249 χ^2/NDF : 31.8/35

In: 2264.385+/-413.242 χ^2/NDF : 38.7/32

Out: 877.703+/-406.396 χ^2/NDF : 49.7/36

All: 1559.463+/-289.756 χ^2/NDF : 94.2/69

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1857.205+/-0.361 χ^2/NDF : 454856.0/17

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

Left In: 1849.575+/-0.371 χ^2/NDF : 44256.8/15

Left: 1853.494+/-0.259 χ^2/NDF : 499329.9/33

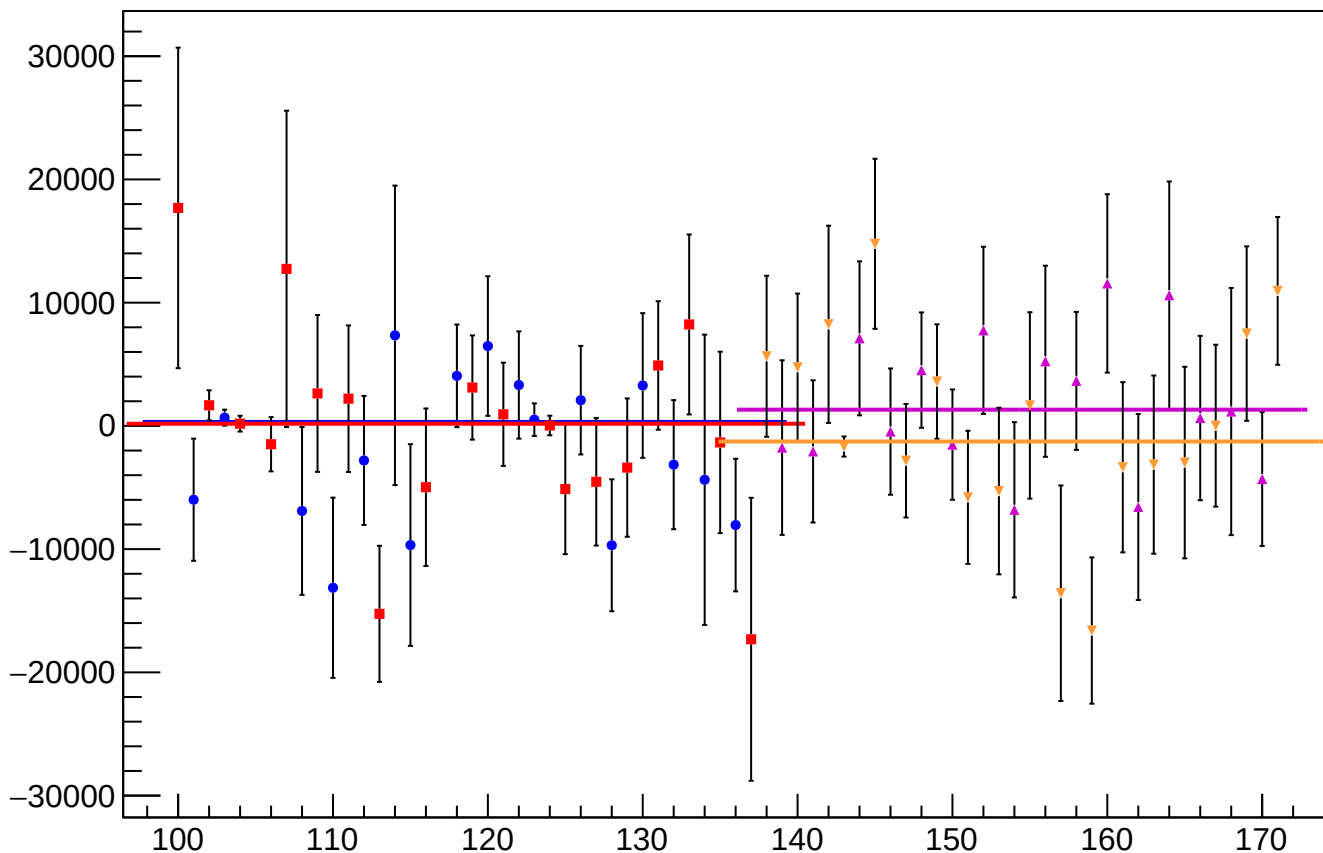
Right: 1726.220+/-0.335 χ^2/NDF : 600688.4/35

In: 1795.350+/-0.292 χ^2/NDF : 298004.5/32

Out: 1815.971+/-0.287 χ^2/NDF : 890005.0/36

All: 1805.850+/-0.205 χ^2/NDF : 1190545.1/69

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1266.572 $\pm$ 719.664 χ^2/NDF : 26.2/17

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

Left In: 1317.691 $\pm$ 1554.343 χ^2/NDF : 10.2/15

Left: -810.376 $\pm$ 653.061 χ^2/NDF : 38.7/33

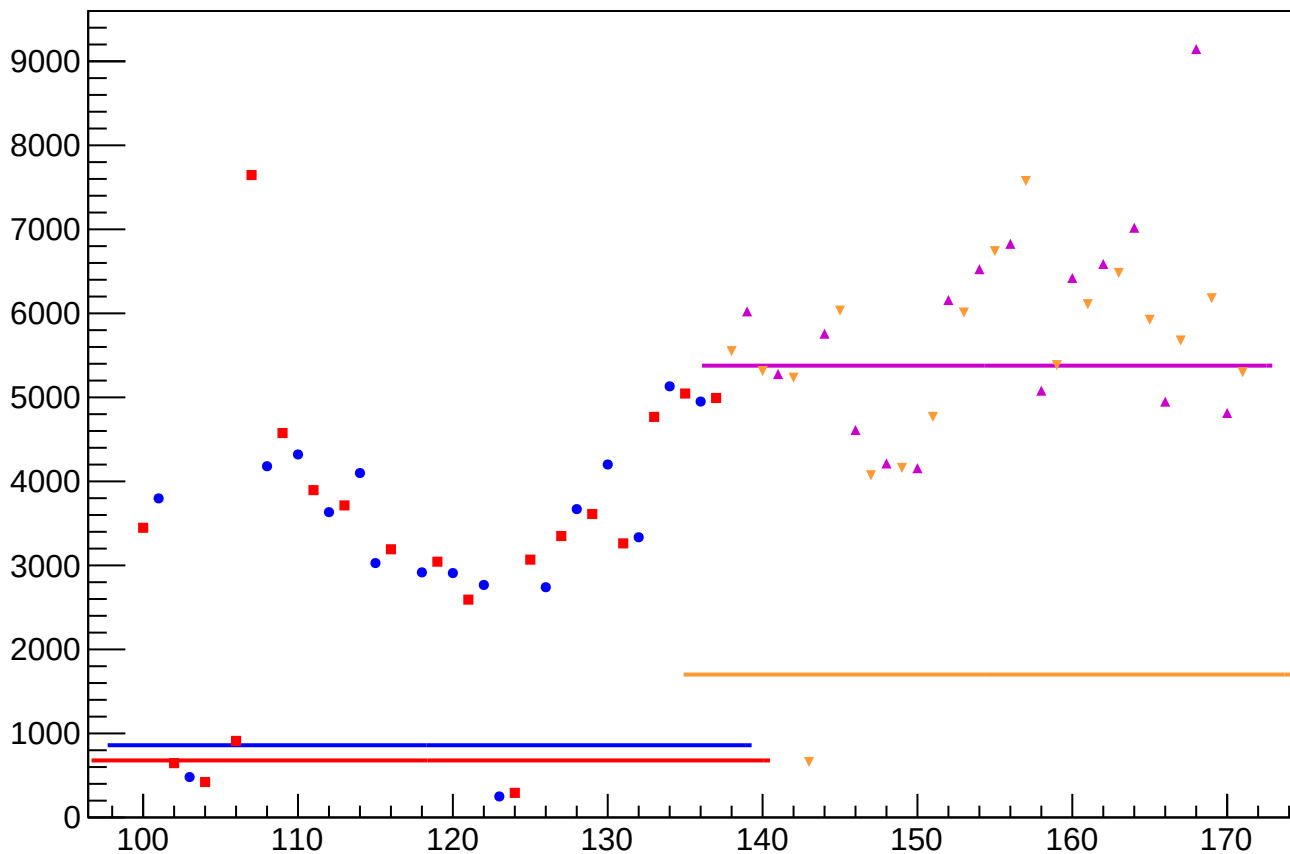
Right: 233.134 $\pm$ 338.167 χ^2/NDF : 38.8/35

In: 428.387 $\pm$ 510.417 χ^2/NDF : 28.6/32

Out: -207.668 $\pm$ 371.368 χ^2/NDF : 49.9/36

All: 12.493 $\pm$ 300.295 χ^2/NDF : 79.5/69

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1700.721 $\pm$ 0.509 χ^2 /NDF: 15505963.4/17

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

Left In: 5377.592 $\pm$ 1.099 χ^2 /NDF: 964088.4/15

Left: 2349.792 $\pm$ 0.462 χ^2 /NDF: 25686030.8/33

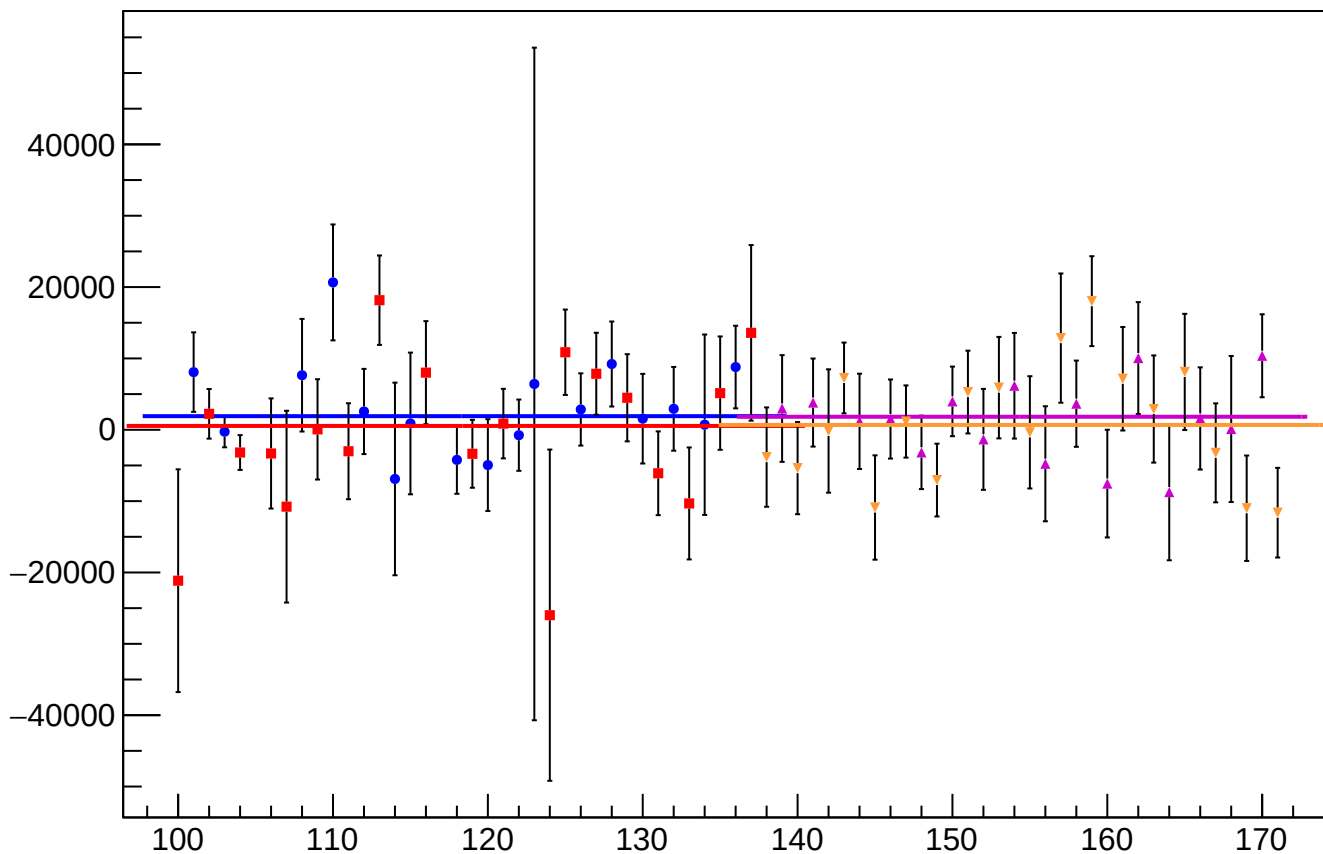
Right: 749.467 $\pm$ 0.239 χ^2 /NDF: 16664518.8/35

In: 1346.755 $\pm$ 0.361 χ^2 /NDF: 24183166.3/32

Out: 950.779 $\pm$ 0.263 χ^2 /NDF: 26850829.7/36

All: 1087.840 $\pm$ 0.212 χ^2 /NDF: 51821052.9/6

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 678.895+/-1553.924 χ^2/NDF : 26.8/17

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

Left In: 1825.900+/-1659.108 χ^2/NDF : 8.6/15

Left: 1214.889+/-1134.153 χ^2/NDF : 35.7/33

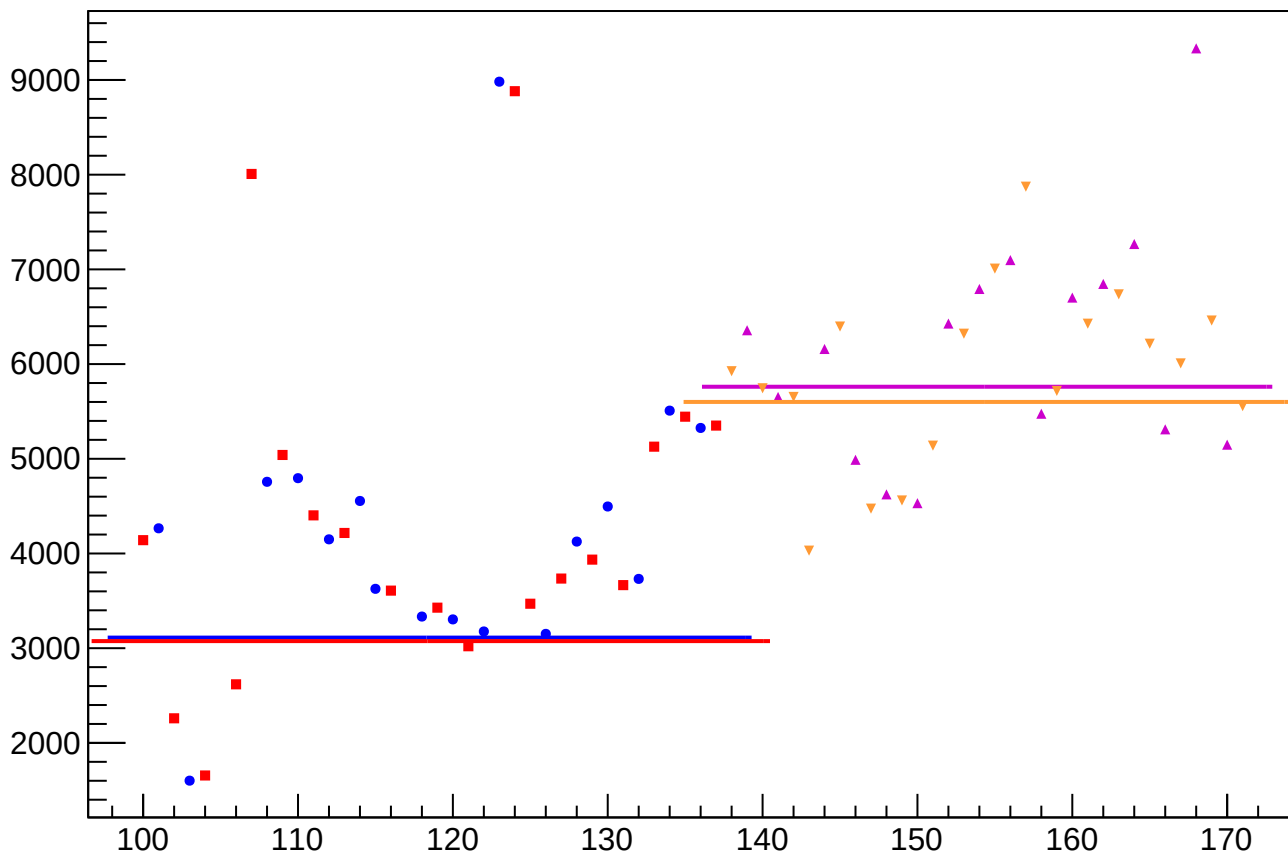
Right: 1211.574+/-917.716 χ^2/NDF : 41.6/35

In: 1877.295+/-1028.249 χ^2/NDF : 23.2/32

Out: 596.182+/-990.645 χ^2/NDF : 53.2/36

All: 1212.886+/-713.415 χ^2/NDF : 77.3/69

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5600.362 $\pm$ 1.099 χ^2 /NDF: 752998.7/17

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

Left In: 5760.767 $\pm$ 1.173 χ^2 /NDF: 792967.9/15

Left: 5675.319 $\pm$ 0.802 χ^2 /NDF: 1555925.4/33

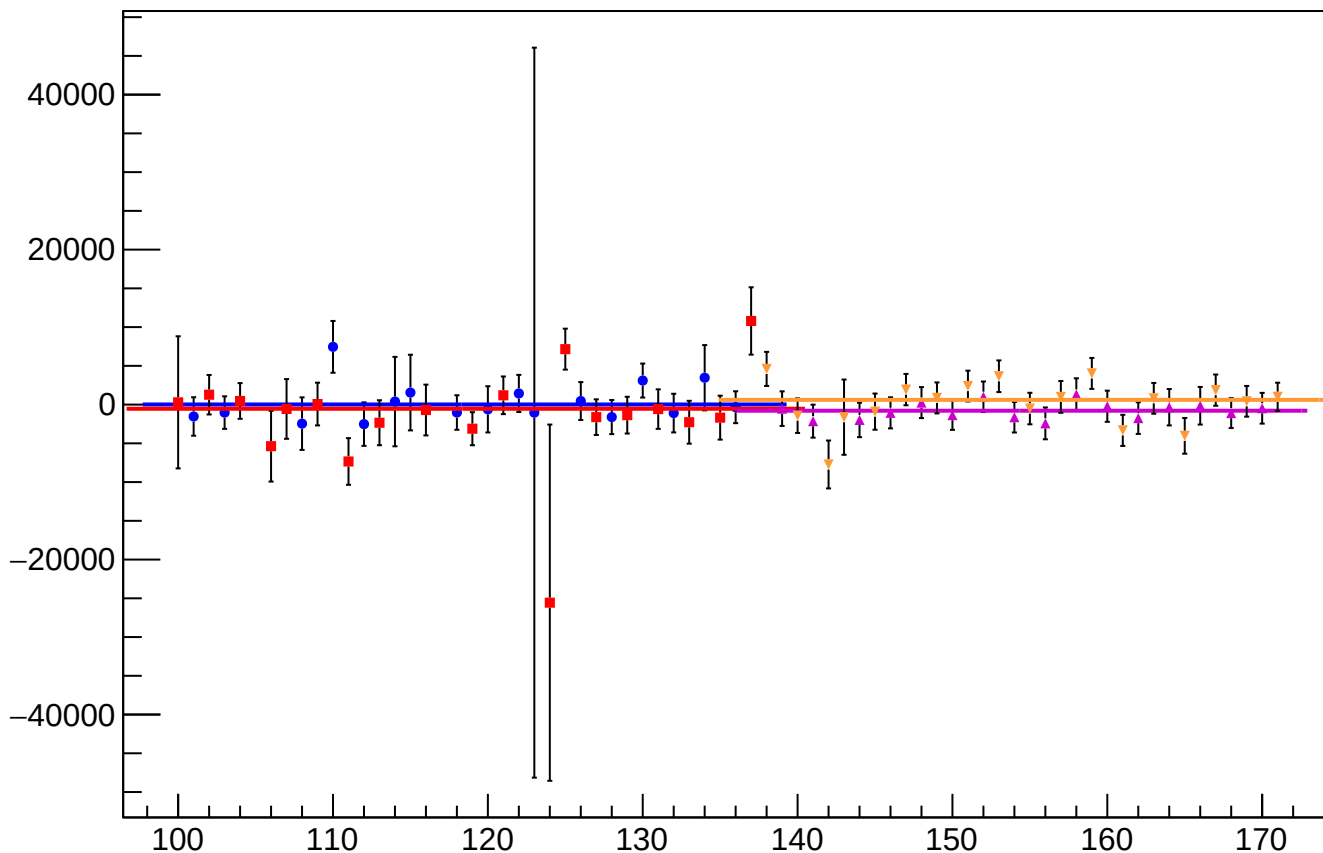
Right: 3092.680 $\pm$ 0.644 χ^2 /NDF: 3886012.7/35

In: 4129.284 $\pm$ 0.727 χ^2 /NDF: 5812573.6/32

Out: 4083.517 $\pm$ 0.694 χ^2 /NDF: 5931660.4/36

All: 4105.349 $\pm$ 0.502 χ^2 /NDF: 11746306.1/6

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118 ± 661.101 $\chi^2/\text{NDF}: 11.1/16$

Left Out: 610.086 ± 503.238 $\chi^2/\text{NDF}: 27.1/17$

Right Out: -537.476 ± 661.143 $\chi^2/\text{NDF}: 26.7/18$

Left In: -790.148 ± 517.115 $\chi^2/\text{NDF}: 4.2/15$

Left: -70.991 ± 360.649 $\chi^2/\text{NDF}: 35.1/33$

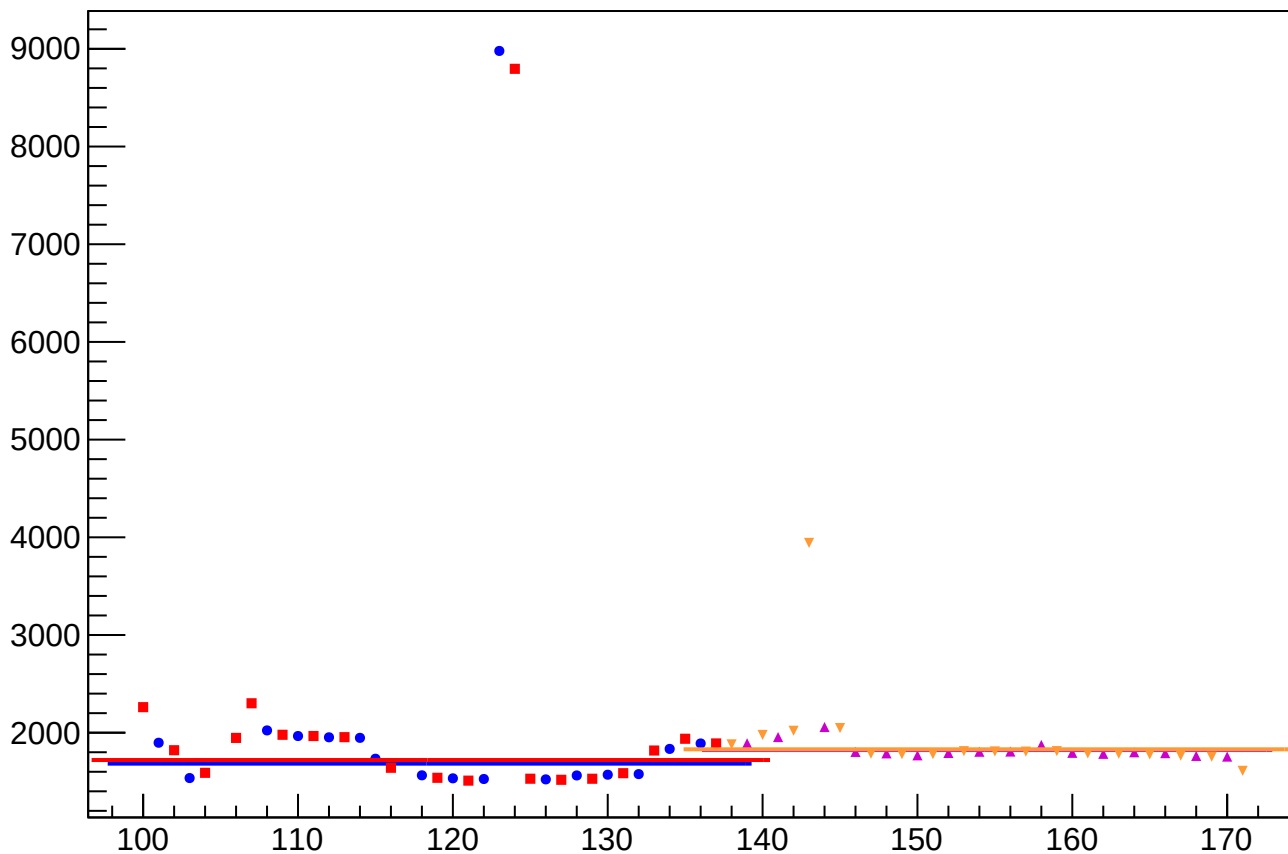
Right: -261.662 ± 467.484 $\chi^2/\text{NDF}: 38.1/35$

In: -484.856 ± 407.311 $\chi^2/\text{NDF}: 16.2/32$

Out: 189.118 ± 400.435 $\chi^2/\text{NDF}: 55.7/36$

All: -142.132 ± 285.550 $\chi^2/\text{NDF}: 73.3/69$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1683.259 $\pm$ 0.467 χ^2 /NDF: 195893.7/16

Left Out: 1829.954 $\pm$ 0.356 χ^2 /NDF: 455257.2/17

Right Out: 1720.379 $\pm$ 0.465 χ^2 /NDF: 396099.9/18

Left In: 1822.496 $\pm$ 0.366 χ^2 /NDF: 42368.0/15

Left: 1826.326 $\pm$ 0.255 χ^2 /NDF: 497838.8/33

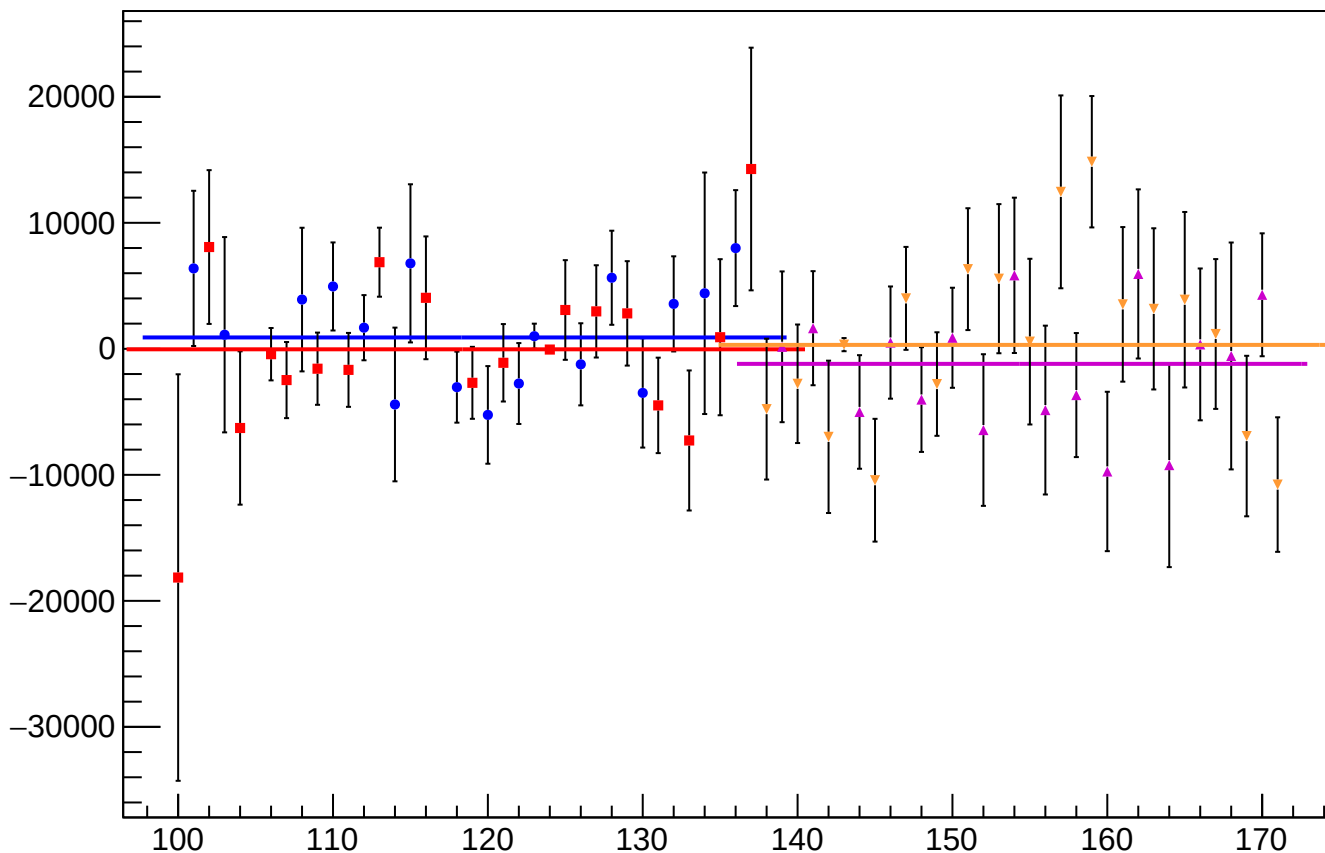
Right: 1701.898 $\pm$ 0.330 χ^2 /NDF: 595159.7/35

In: 1769.643 $\pm$ 0.288 χ^2 /NDF: 293302.3/32

Out: 1789.537 $\pm$ 0.283 χ^2 /NDF: 886332.0/36

All: 1779.775 $\pm$ 0.202 χ^2 /NDF: 1182064.3/69

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 312.096 $\pm$ 485.802 χ^2 /NDF:28.0/17

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

Left In: -1193.684 $\pm$ 1336.735 χ^2 /NDF:9.9/15

Left: 136.419 $\pm$ 456.585 χ^2 /NDF: 39.0/33

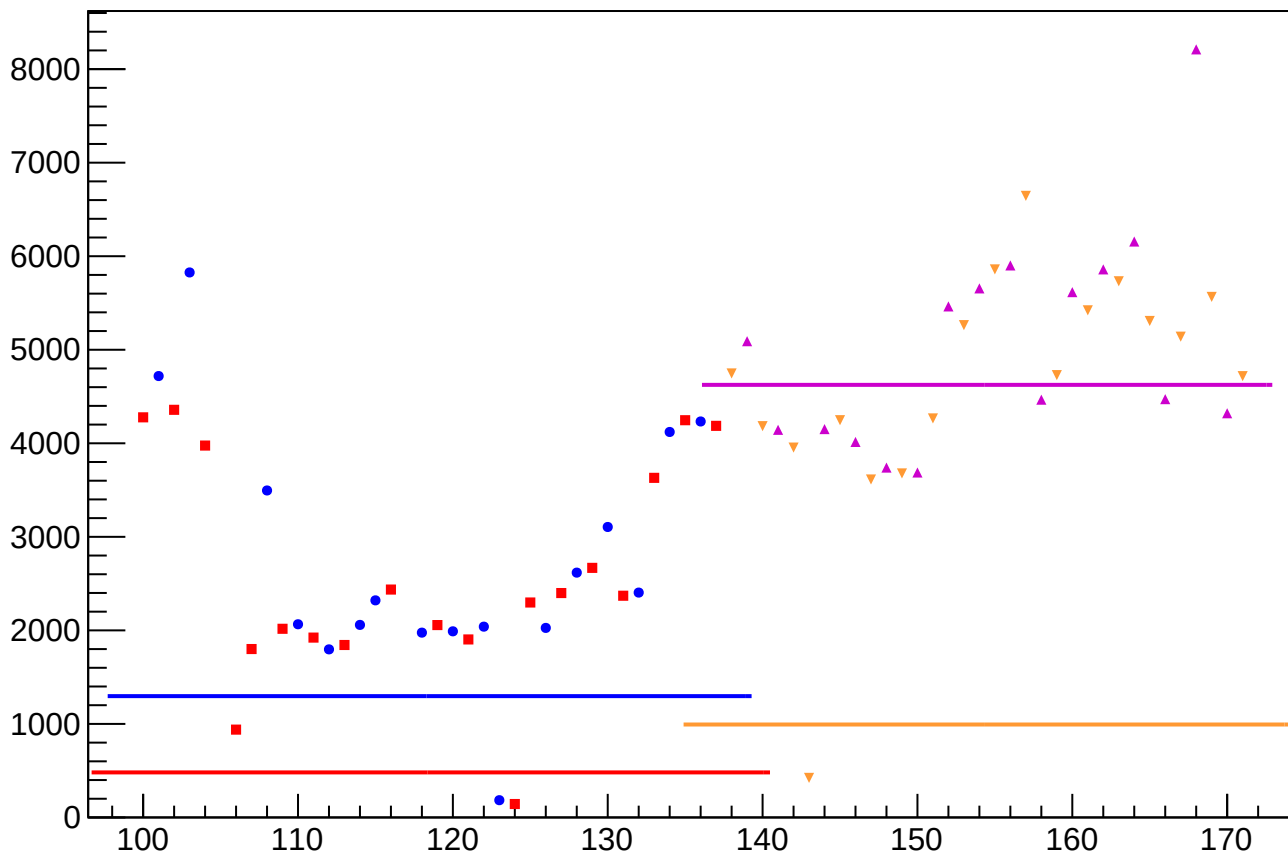
Right: 153.912 $\pm$ 318.670 χ^2 /NDF: 37.9/35

In: 446.412 $\pm$ 623.978 χ^2 /NDF:27.9/32

Out: 84.751 $\pm$ 287.768 χ^2 /NDF:48.8/36

All: 148.182 $\pm$ 261.317 χ^2 /NDF: 76.9/69

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 993.637+/-0.344 χ^2/NDF : 18309747.5/17

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

Left In: 4624.685+/-0.945 χ^2/NDF : 980650.8/15

Left: 1417.265+/-0.323 χ^2/NDF : 32325878.5/33

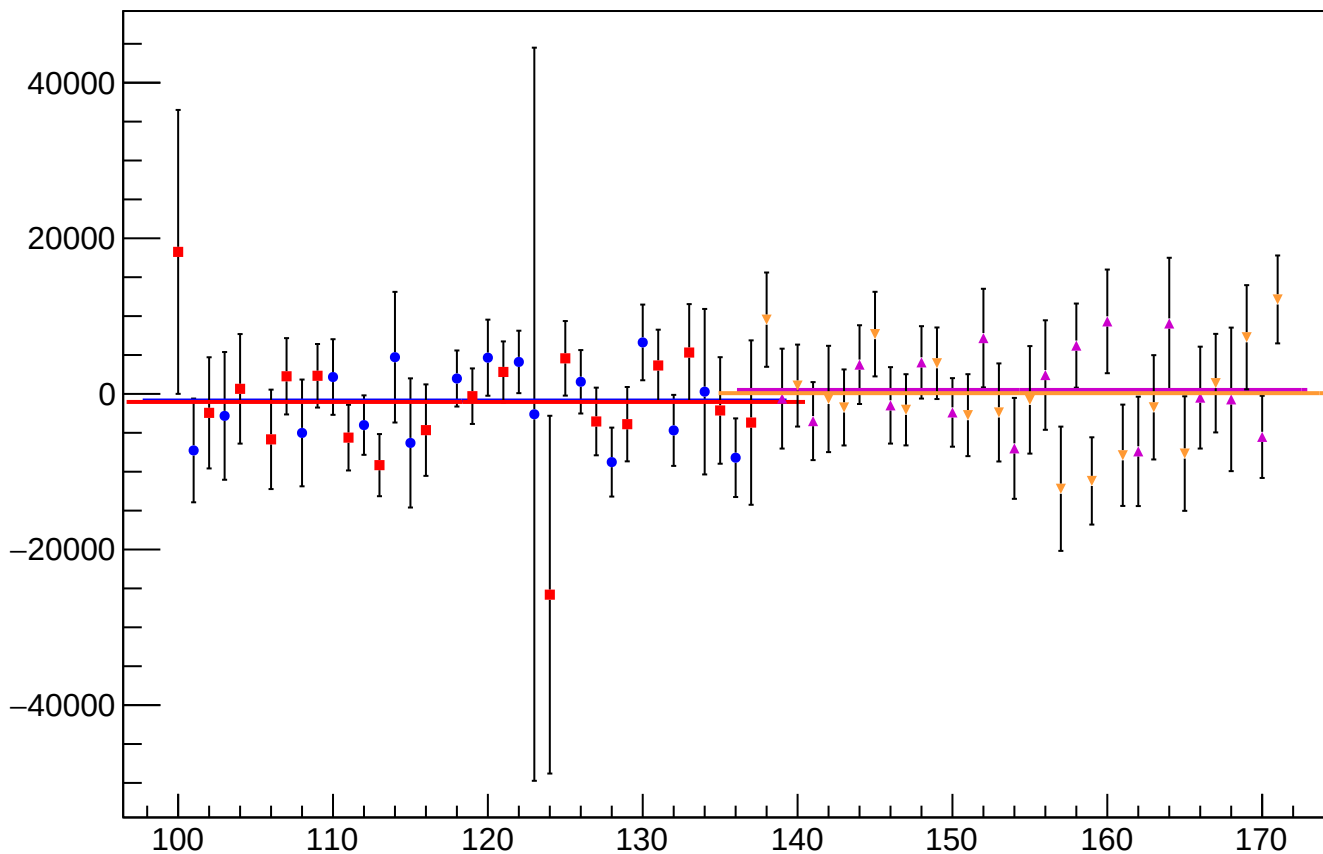
Right: 647.917+/-0.225 χ^2/NDF : 18780181.6/35

In: 2022.089+/-0.441 χ^2/NDF : 17183911.6/32

Out: 661.252+/-0.203 χ^2/NDF : 29896273.4/36

All: 899.926+/-0.185 χ^2/NDF : 54924489.2/69

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 96.515+/-1376.276 χ^2/NDF : 20.8/17

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

Left In: 508.690+/-1454.042 χ^2/NDF : 11.3/15

Left: 291.286+/-999.536 χ^2/NDF : 32.1/33

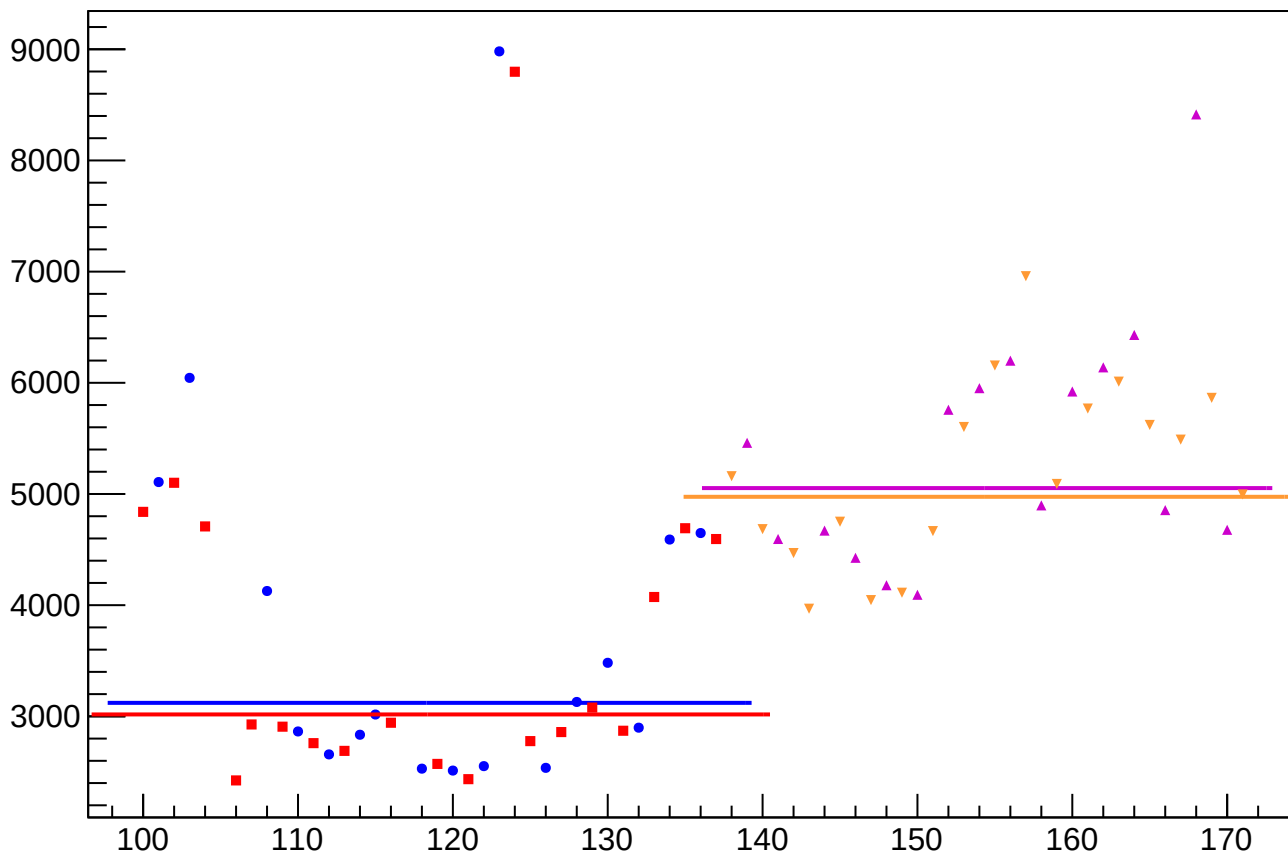
Right: -946.556+/-865.752 χ^2/NDF : 30.4/35

In: -266.401+/-952.666 χ^2/NDF : 27.2/32

Out: -549.586+/-900.476 χ^2/NDF : 36.2/36

All: -415.962+/-654.405 χ^2/NDF : 63.4/69

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4974.722+/-0.973 χ^2/NDF : 610952.1/17

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

Left In: 5053.077+/-1.028 χ^2/NDF : 764212.5/15

Left: 5011.749+/-0.707 χ^2/NDF : 1378227.9/33

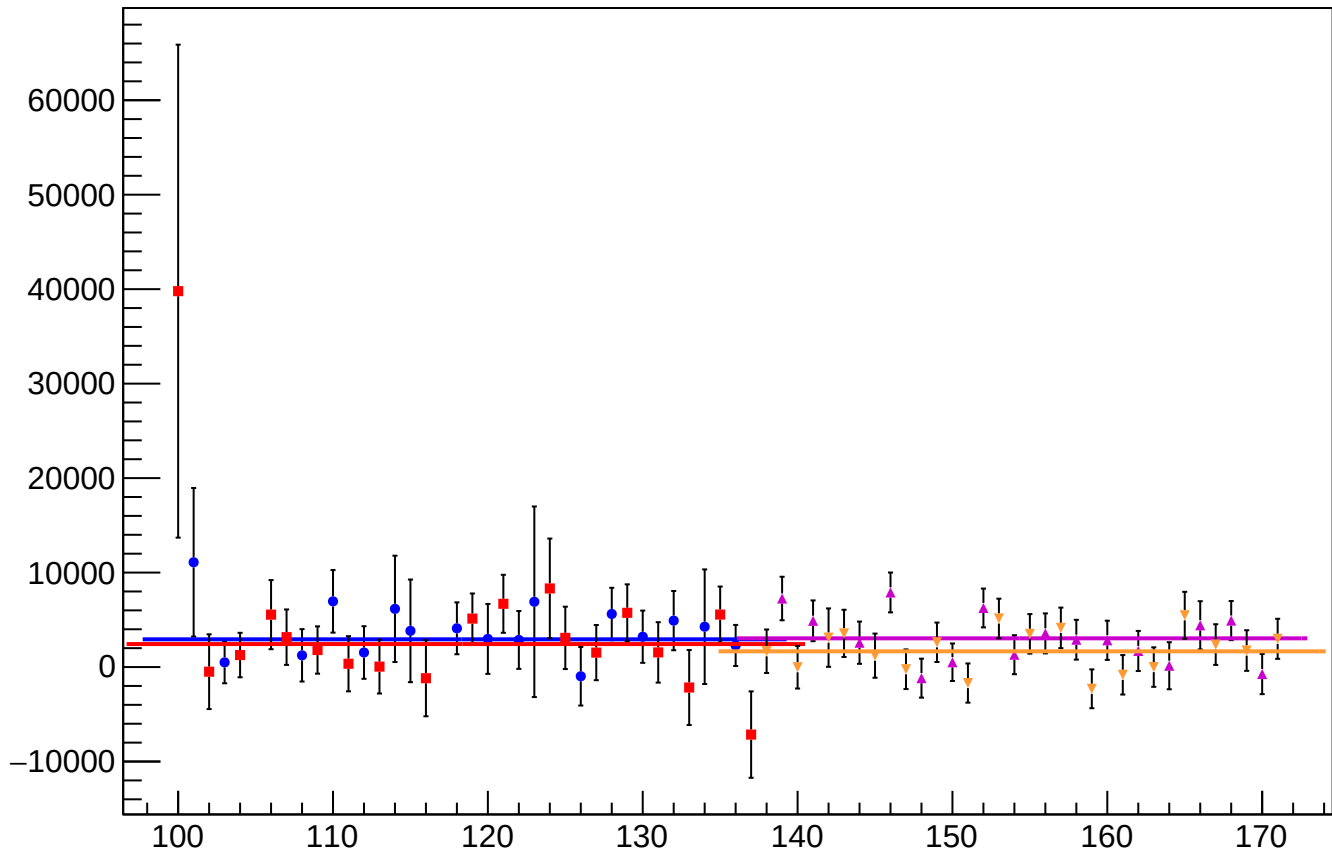
Right: 3065.680+/-0.608 χ^2/NDF : 1745010.6/35

In: 3950.610+/-0.674 χ^2/NDF : 3724446.2/32

Out: 3843.218+/-0.632 χ^2/NDF : 3741670.1/36

All: 3893.507+/-0.461 χ^2/NDF : 7479630.3/69

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1665.190+/-519.376 χ^2/NDF : 18.6/17

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

Left In: 3039.248+/-537.456 χ^2/NDF : 24.5/15

Left: 2328.718+/-373.483 χ^2/NDF : 46.4/33

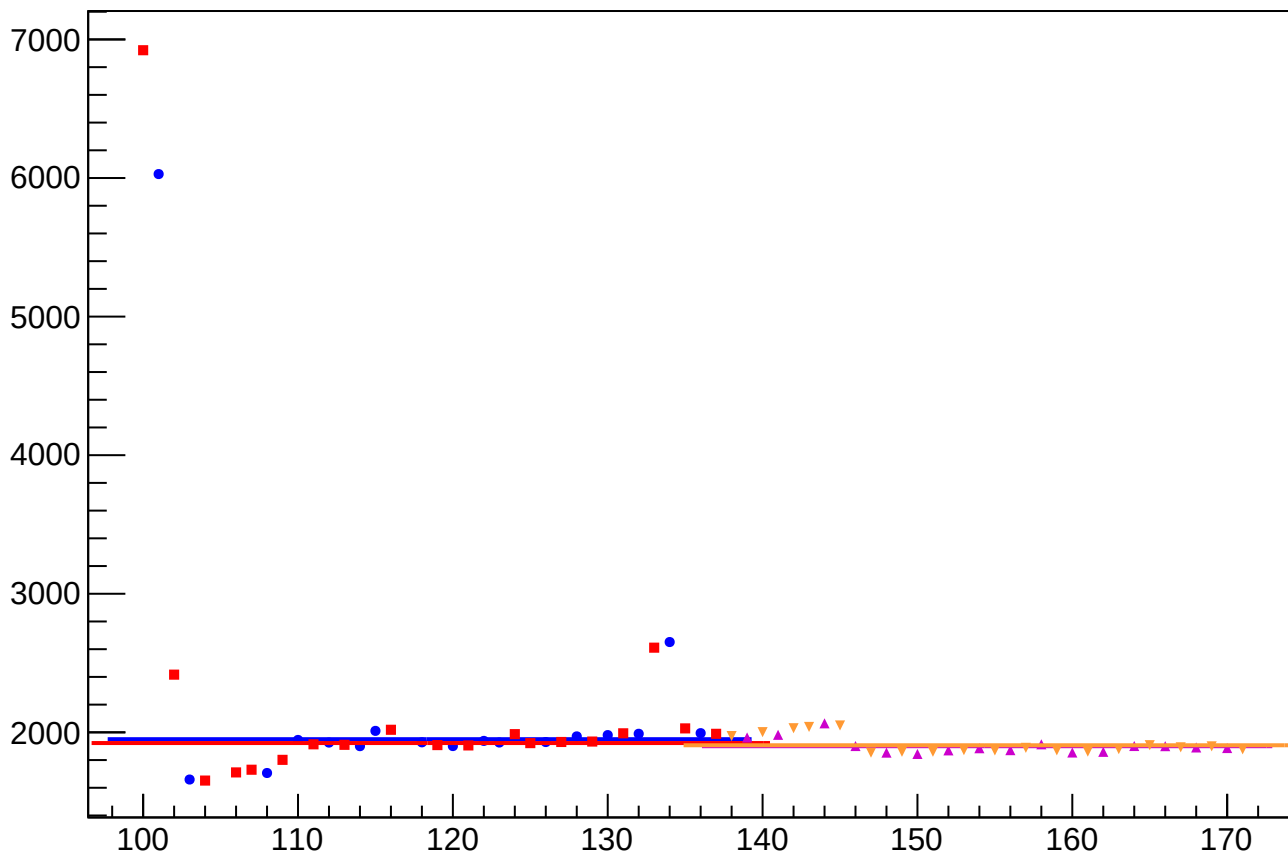
Right: 2672.699+/-535.482 χ^2/NDF : 26.5/35

In: 3005.683+/-441.715 χ^2/NDF : 32.7/32

Out: 1918.320+/-425.196 χ^2/NDF : 37.4/36

All: 2441.290+/-306.333 χ^2/NDF : 73.2/69

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1906.731+/-0.367 χ^2/NDF : 28566.7/17

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

Left In: 1899.939+/-0.380 χ^2/NDF : 20670.6/15

Left: 1903.451+/-0.264 χ^2/NDF : 49402.4/33

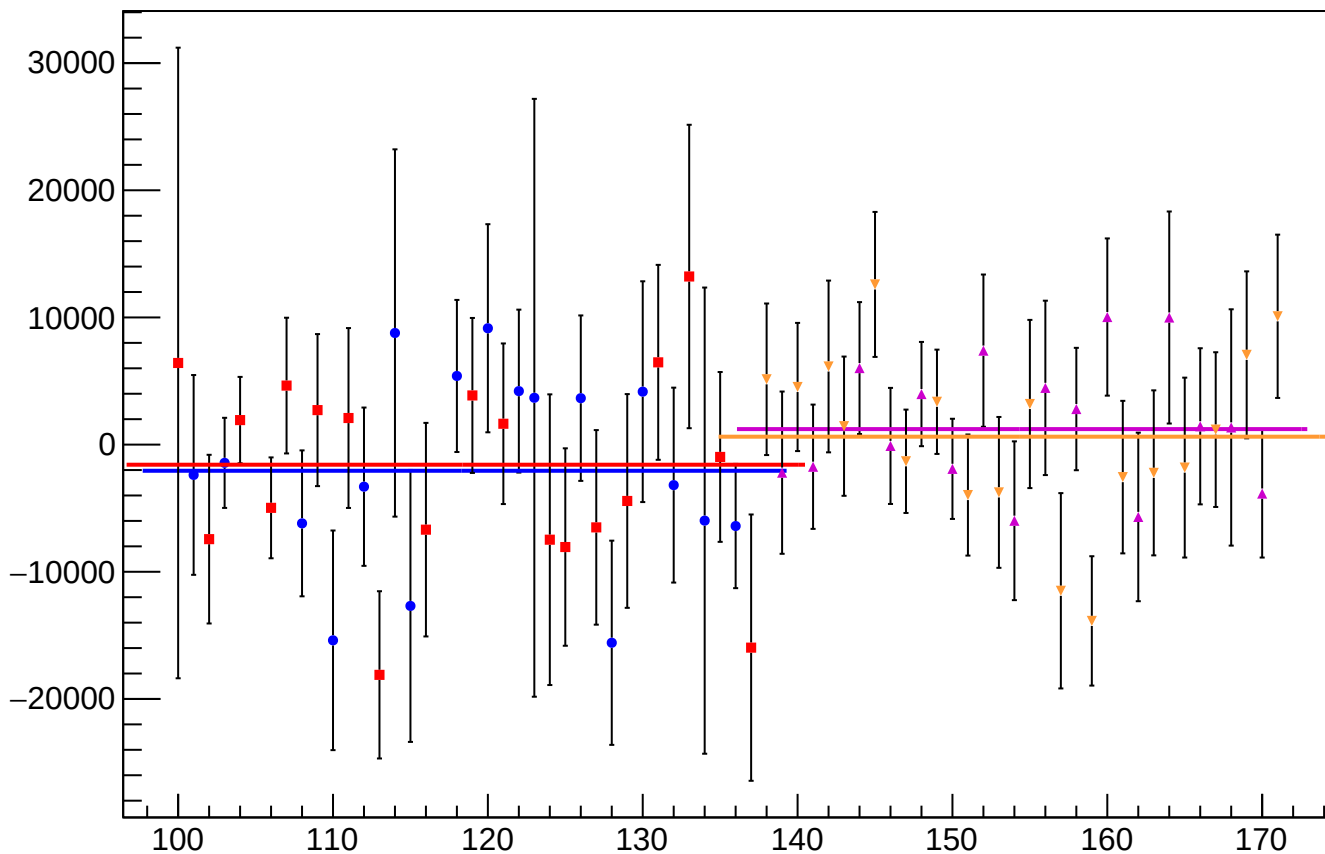
Right: 1936.009+/-0.378 χ^2/NDF : 836086.0/35

In: 1916.385+/-0.312 χ^2/NDF : 643773.4/32

Out: 1912.031+/-0.300 χ^2/NDF : 246596.2/36

All: 1914.123+/-0.217 χ^2/NDF : 890470.5/69

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 623.197 $\pm$ 1323.816 χ^2 /NDF: 22.9/17

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

Left In: 1220.230 $\pm$ 1367.729 χ^2 /NDF: 10.6/15

Left: 911.975 $\pm$ 951.225 χ^2 /NDF: 33.7/33

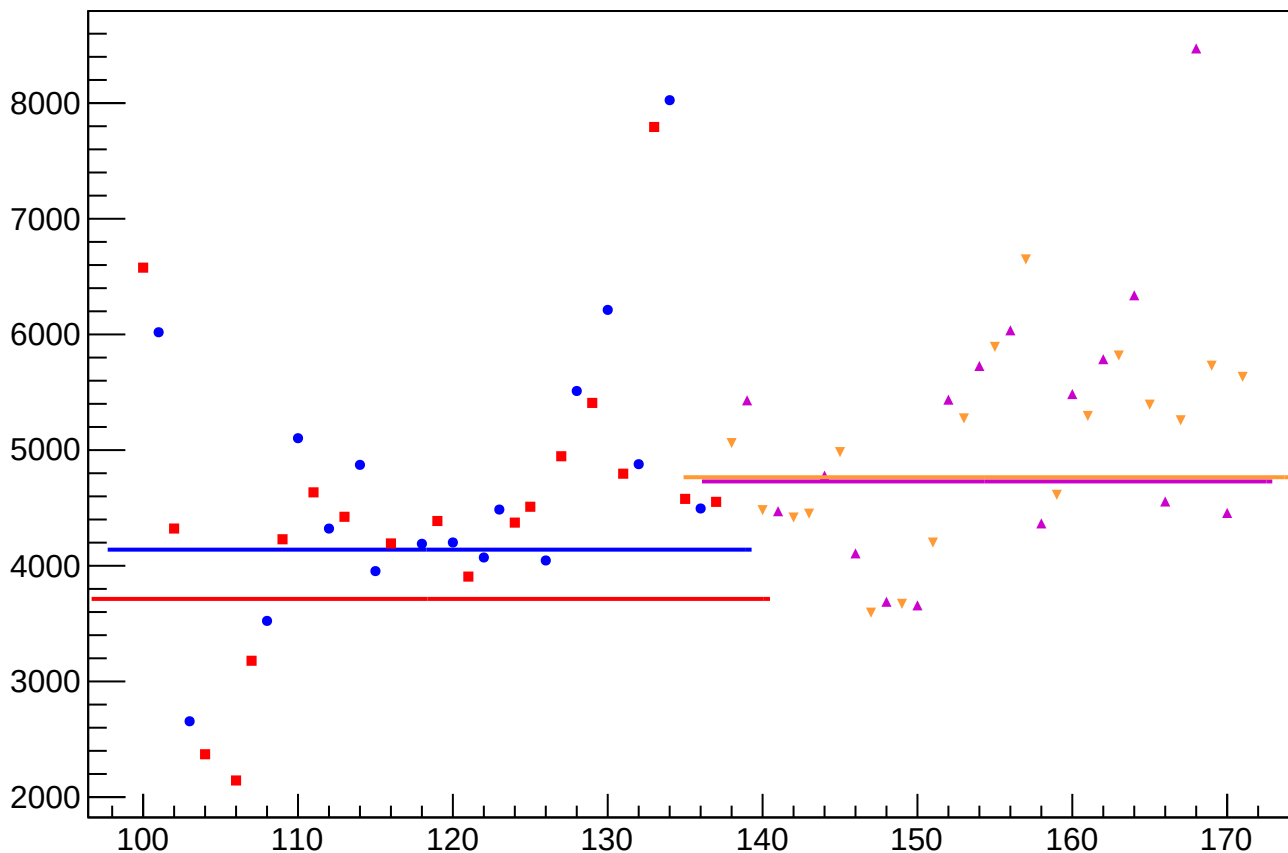
Right: -1791.026 $\pm$ 1103.932 χ^2 /NDF: 32.6/35

In: -103.875 $\pm$ 1055.859 χ^2 /NDF: 26.9/32

Out: -358.283 $\pm$ 985.923 χ^2 /NDF: 42.7/36

All: -239.783 $\pm$ 720.610 χ^2 /NDF: 69.7/69

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4765.514+/-0.936 χ^2/NDF : 734264.0/17

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

Left In: 4729.091+/-0.967 χ^2/NDF : 994154.1/15

Left: 4747.896+/-0.673 χ^2/NDF : 1729150.4/33

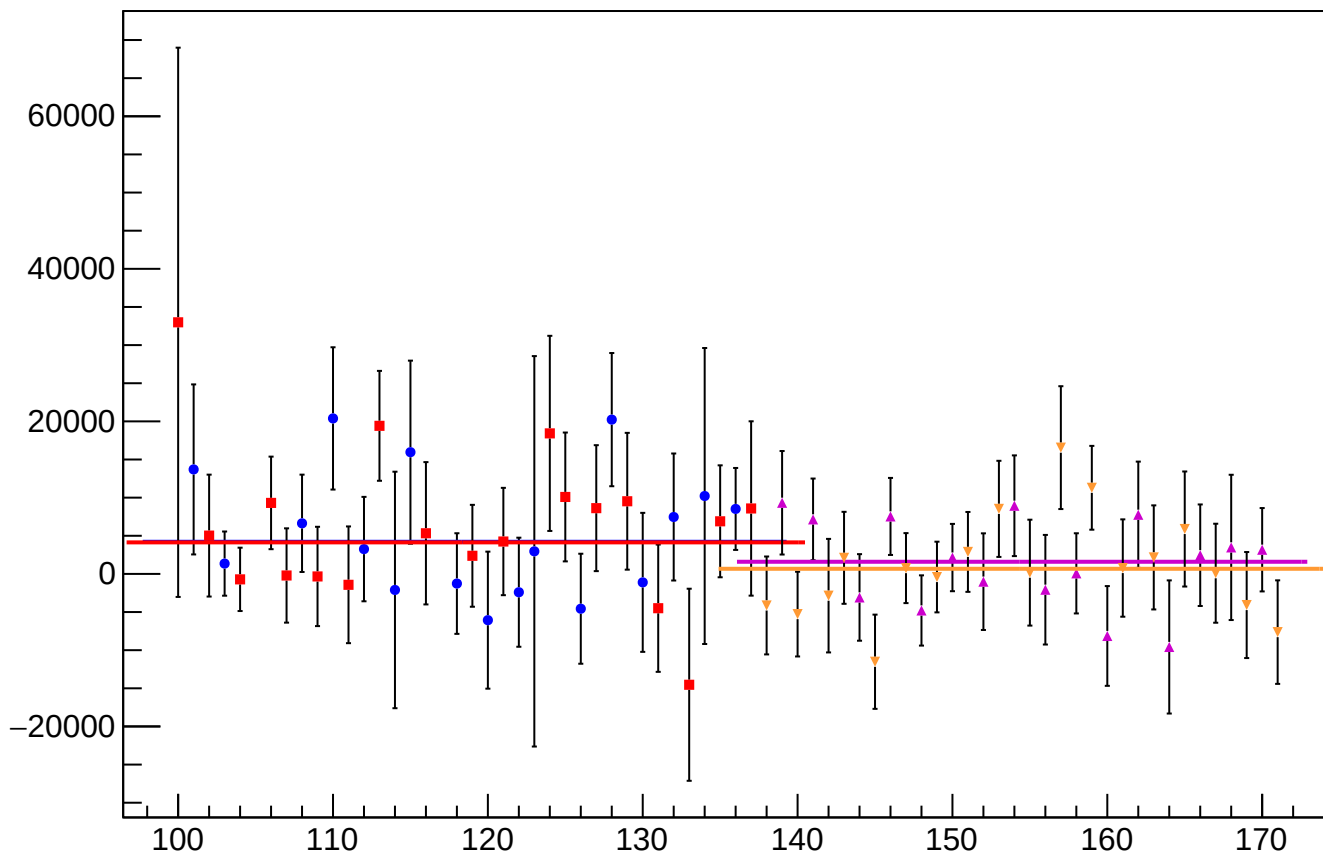
Right: 3901.622+/-0.781 χ^2/NDF : 2162777.5/35

In: 4490.826+/-0.747 χ^2/NDF : 1957922.0/32

Out: 4297.027+/-0.697 χ^2/NDF : 2572541.6/36

All: 4387.296+/-0.510 χ^2/NDF : 4566457.9/69

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 671.460 $\pm$ 1438.594 χ^2/NDF : 17.8/17

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

Left In: 1592.694 $\pm$ 1485.873 χ^2/NDF : 12.9/15

Left: 1117.188 $\pm$ 1033.550 χ^2/NDF : 30.9/33

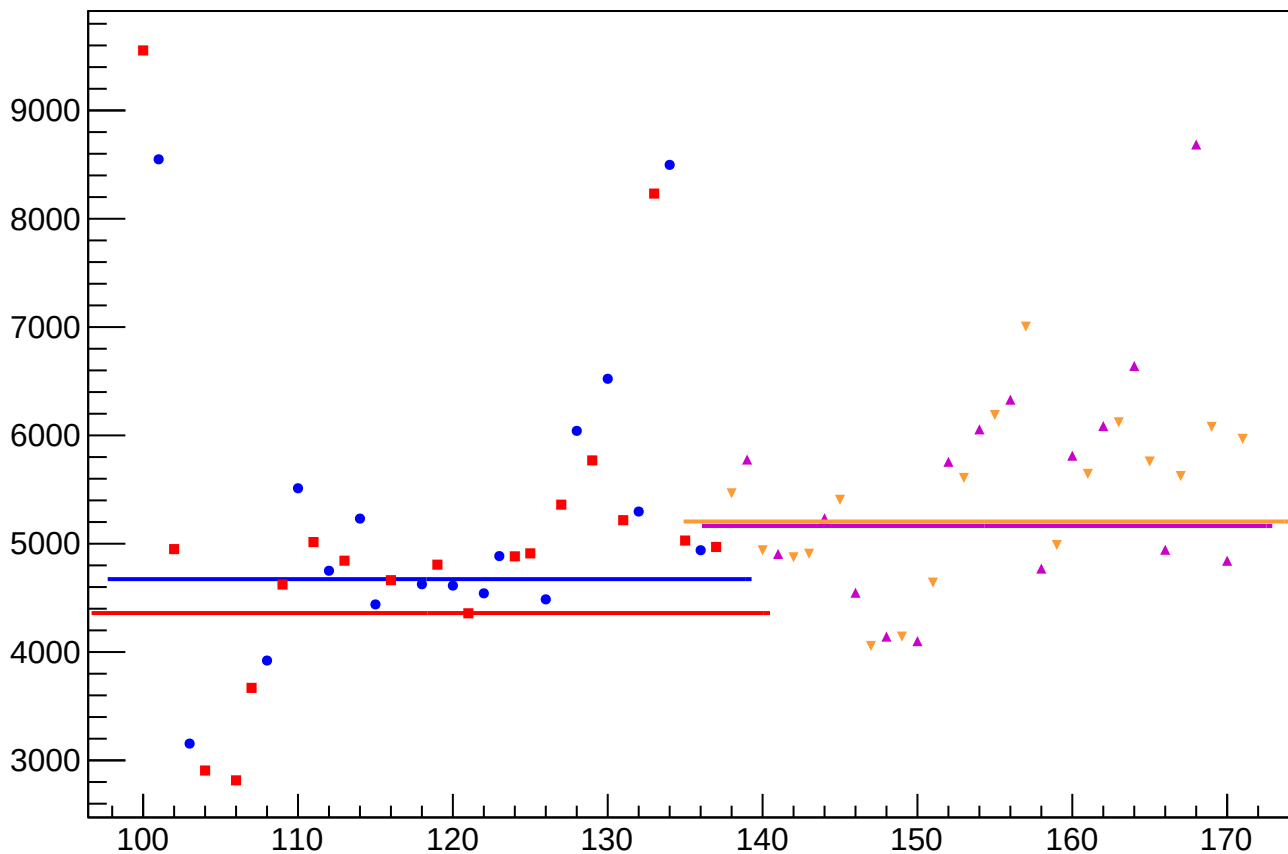
Right: 4169.584 $\pm$ 1268.468 χ^2/NDF : 29.2/35

In: 2605.481 $\pm$ 1163.652 χ^2/NDF : 28.5/32

Out: 2091.338 $\pm$ 1104.903 χ^2/NDF : 35.0/36

All: 2335.103 $\pm$ 801.249 χ^2/NDF : 63.6/69

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 5205.081 $\pm$ 1.017 χ^2 /NDF: 545181.3/17

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

Left In: 5163.651 $\pm$ 1.051 χ^2 /NDF: 777913.6/15

Left: 5185.035 $\pm$ 0.731 χ^2 /NDF: 1323897.5/33

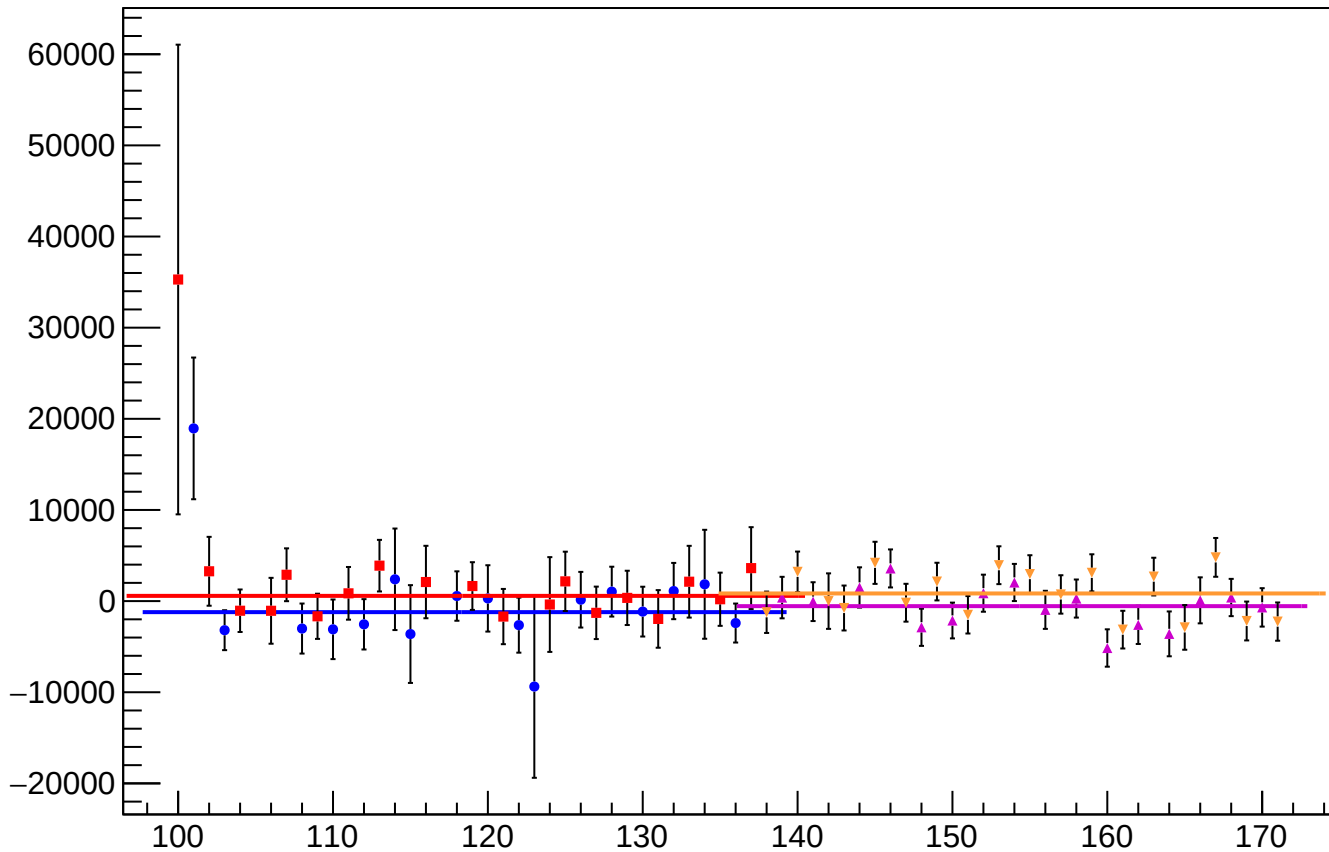
Right: 4502.849 $\pm$ 0.894 χ^2 /NDF: 1639958.3/35

In: 4973.941 $\pm$ 0.823 χ^2 /NDF: 1639546.7/32

Out: 4856.067 $\pm$ 0.779 χ^2 /NDF: 1662461.6/36

All: 4911.813 $\pm$ 0.566 χ^2 /NDF: 3312824.8/69

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 837.941+/-513.429 χ^2/NDF : 25.5/17

Right Out: 573.457+/-730.668 χ^2/NDF : 8.7/18

Left In: -554.088+/-531.521 χ^2/NDF : 17.0/15

Left: 166.021+/-369.280 χ^2/NDF : 46.0/33

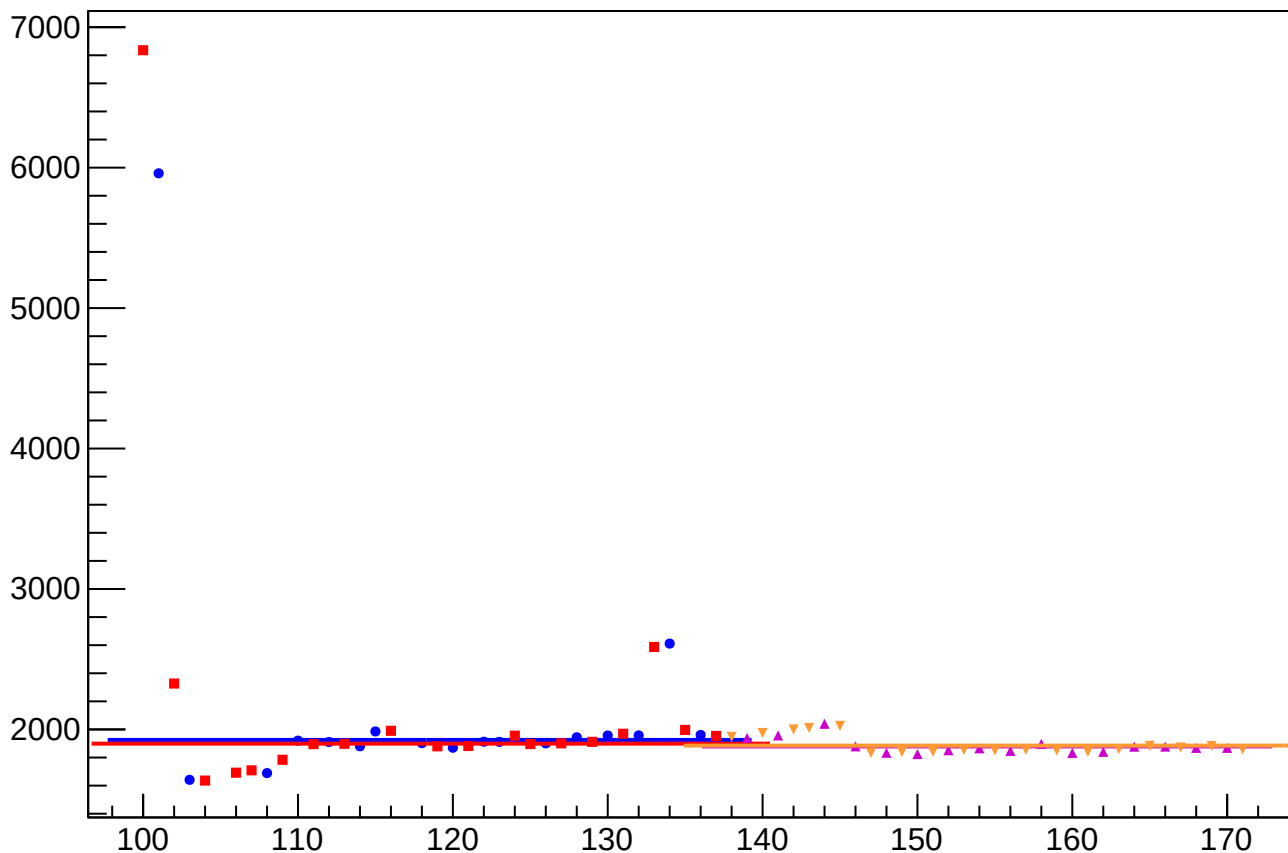
Right: -277.573+/-528.478 χ^2/NDF : 24.2/35

In: -767.908+/-436.558 χ^2/NDF : 30.2/32

Out: 750.516+/-420.087 χ^2/NDF : 34.2/36

All: 20.487+/-302.702 χ^2/NDF : 70.7/69

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1884.984+/-0.363 χ^2 /NDF: 26929.2/17

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

Left In: 1878.985+/-0.376 χ^2 /NDF: 20087.1/15

Left: 1882.088+/-0.261 χ^2 /NDF: 47148.2/33

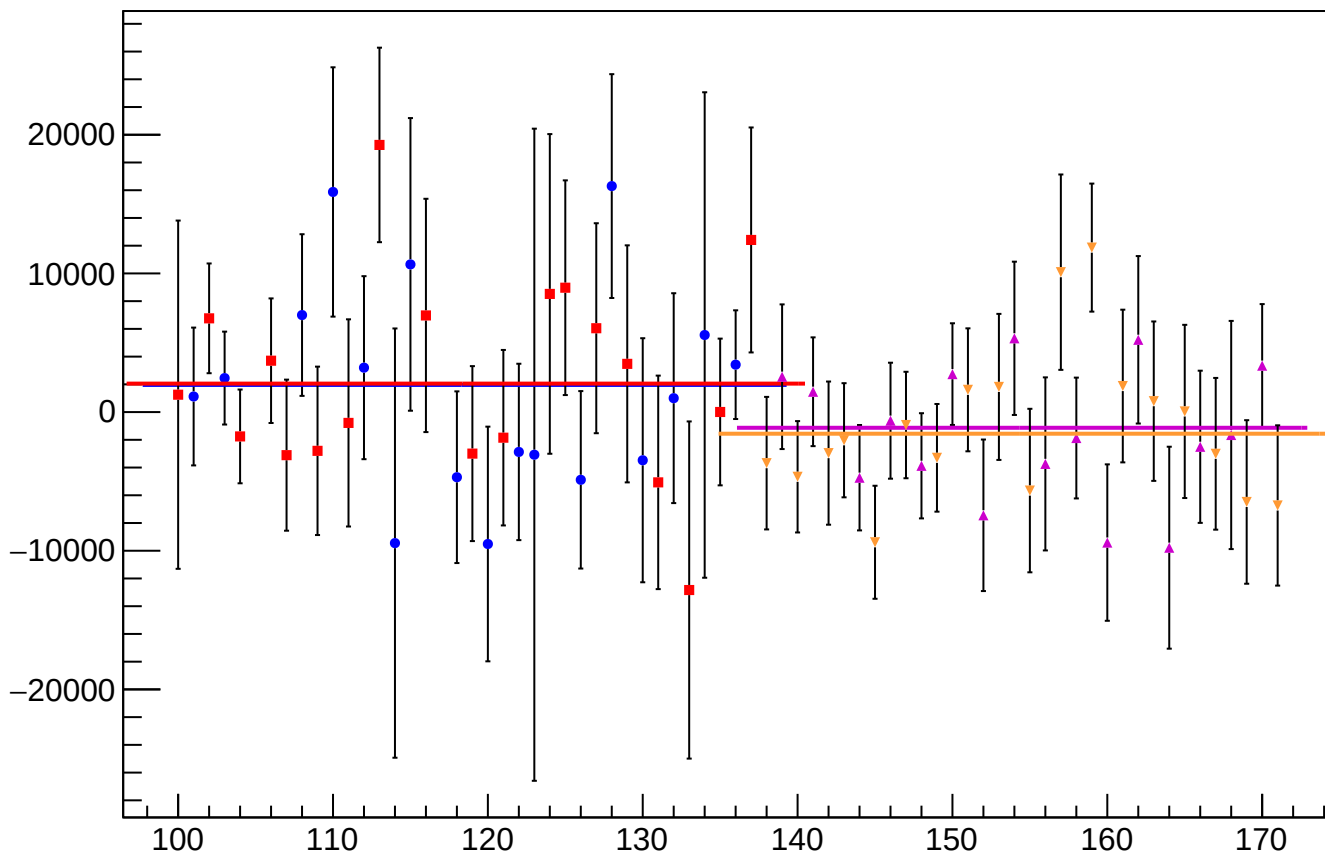
Right: 1911.445+/-0.373 χ^2 /NDF: 827992.7/35

In: 1894.063+/-0.309 χ^2 /NDF: 640896.6/32

Out: 1889.583+/-0.297 χ^2 /NDF: 238288.2/36

All: 1891.735+/-0.214 χ^2 /NDF: 879294.2/69

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1560.002 $\pm$ 1146.737 χ^2 /NDF:19.6/17

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

Left In: -1132.297 $\pm$ 1201.220 χ^2 /NDF:12.1/15

Left: -1356.069 $\pm$ 829.458 χ^2 /NDF: 31.8/33

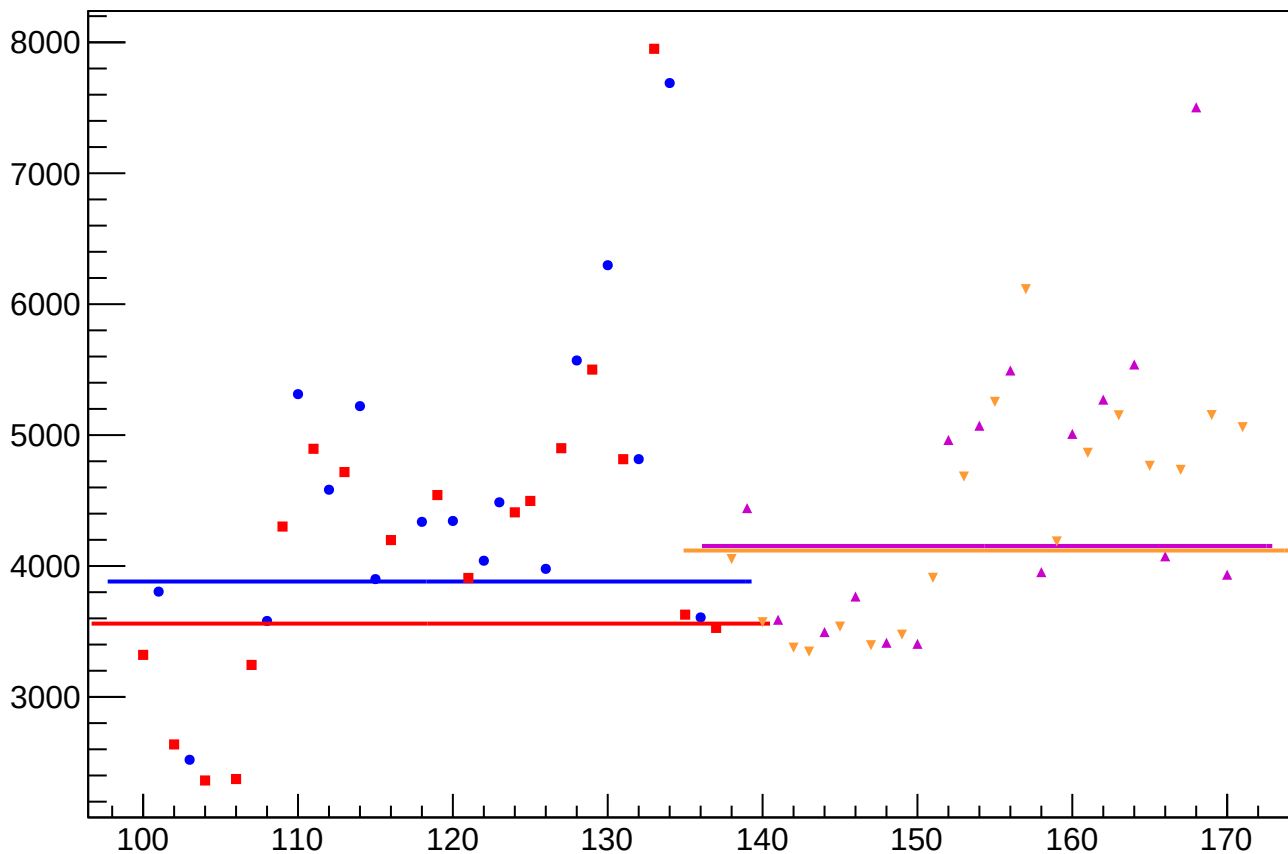
Right: 2010.461 $\pm$ 1046.568 χ^2 /NDF: 30.4/35

In: 21.305 $\pm$ 951.037 χ^2 /NDF:27.6/32

Out: -126.149 $\pm$ 890.568 χ^2 /NDF:41.0/36

All: -57.258 $\pm$ 650.053 χ^2 /NDF: 68.5/69

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 4118.274 $\pm$ 0.811 χ^2 /NDF:841268.2/17

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

Left In: 4153.052 $\pm$ 0.849 χ^2 /NDF:1002955.5/15

Left: 4134.857 $\pm$ 0.587 χ^2 /NDF: 1845100.9/33

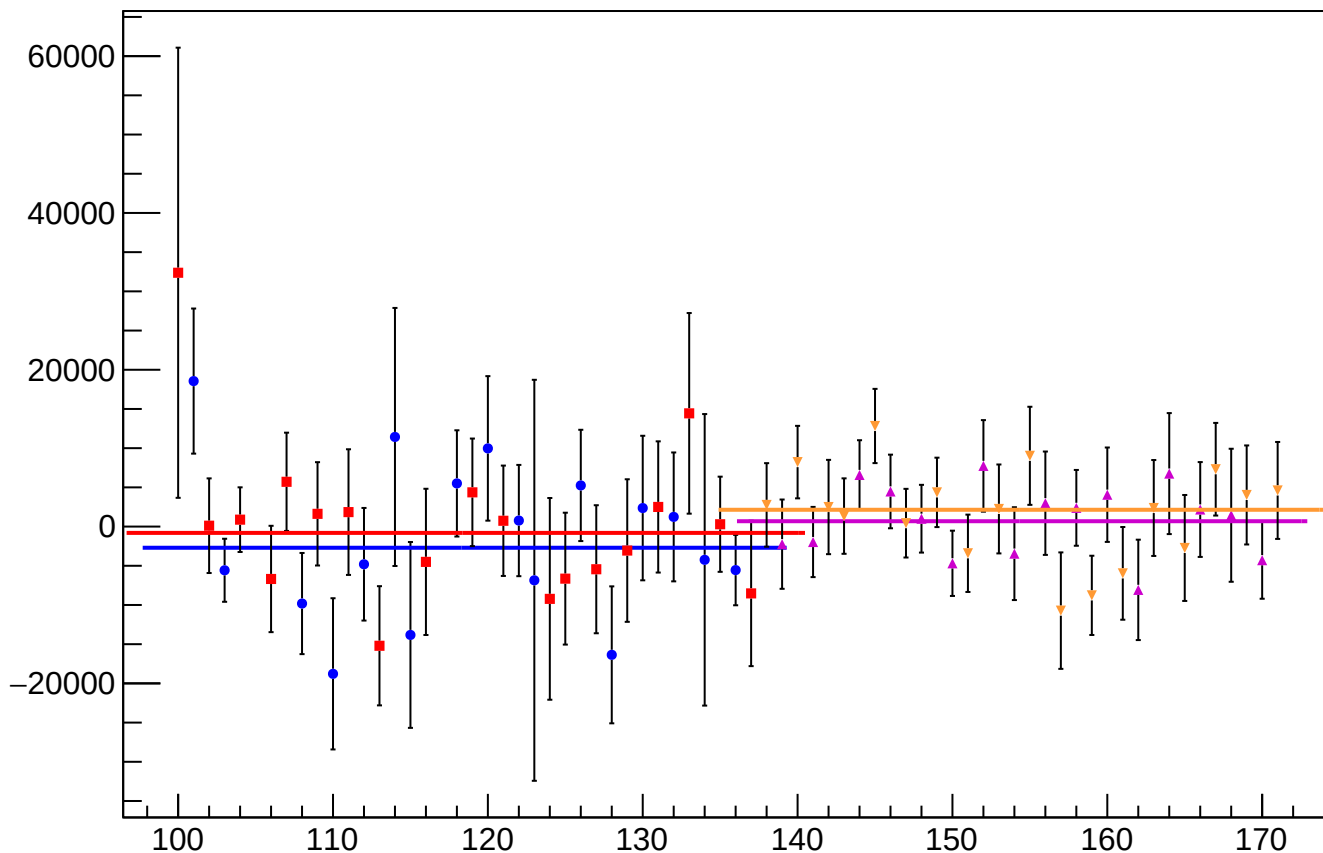
Right: 3705.352 $\pm$ 0.740 χ^2 /NDF: 2105744.2/35

In: 4051.746 $\pm$ 0.672 χ^2 /NDF:1858542.0/32

Out: 3896.729 $\pm$ 0.630 χ^2 /NDF:2270882.7/36

All: 3969.153 $\pm$ 0.460 χ^2 /NDF: 4157735.8/69

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2700.702 ± 1809.055 $\chi^2/\text{NDF}: 19.8/16$

Left Out: 2142.443 ± 1277.420 $\chi^2/\text{NDF}: 20.8/17$

Right Out: -805.951 ± 1690.353 $\chi^2/\text{NDF}: 11.6/18$

Left In: 682.957 ± 1332.284 $\chi^2/\text{NDF}: 10.8/15$

Left: 1443.370 ± 922.058 $\chi^2/\text{NDF}: 32.3/33$

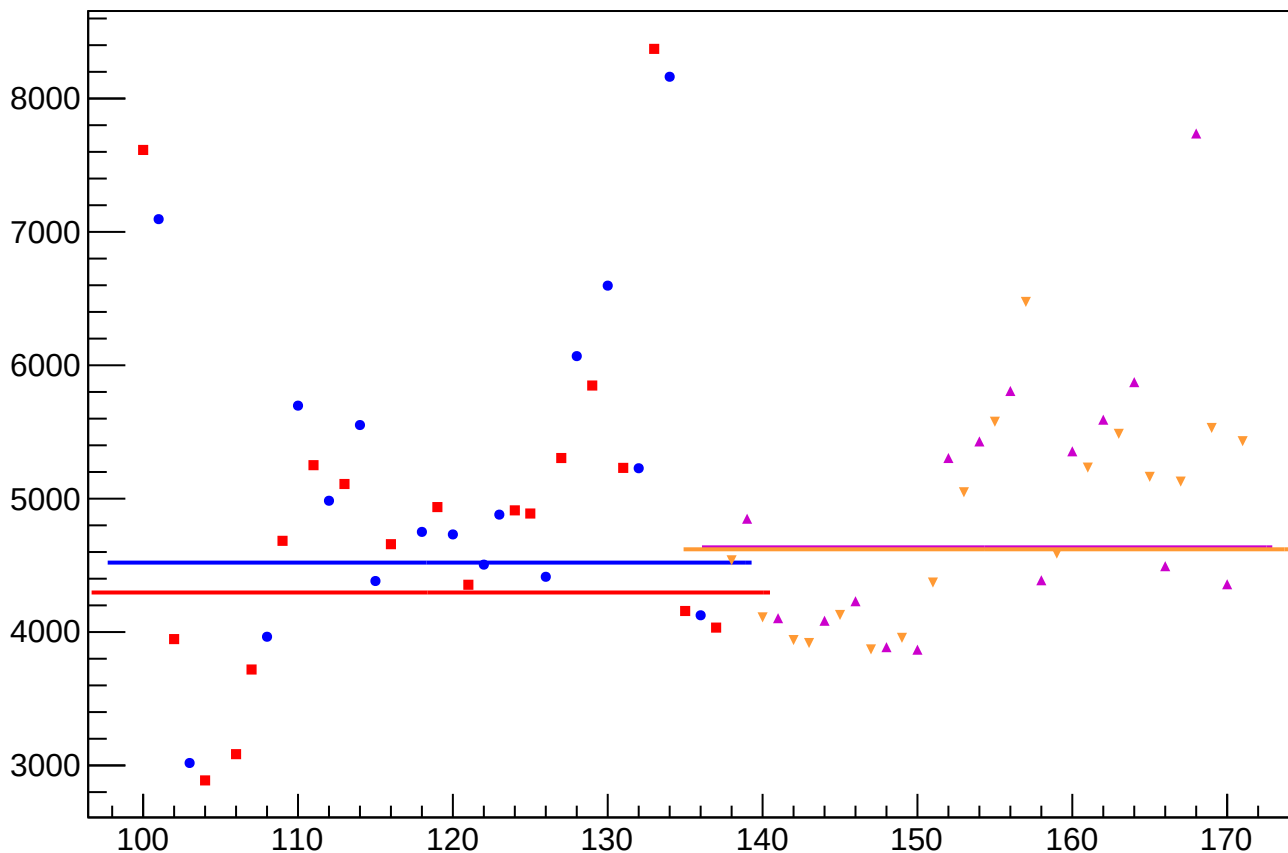
Right: -1689.130 ± 1235.094 $\chi^2/\text{NDF}: 31.9/35$

In: -506.887 ± 1072.763 $\chi^2/\text{NDF}: 32.8/32$

Out: 1070.692 ± 1019.135 $\chi^2/\text{NDF}: 34.3/36$

All: 322.319 ± 738.869 $\chi^2/\text{NDF}: 68.3/69$

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4620.379 $\pm$ 0.903 χ^2 /NDF: 571557.7/17

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

Left In: 4635.047 $\pm$ 0.942 χ^2 /NDF: 735249.0/15

Left: 4627.405 $\pm$ 0.652 χ^2 /NDF: 1306933.0/33

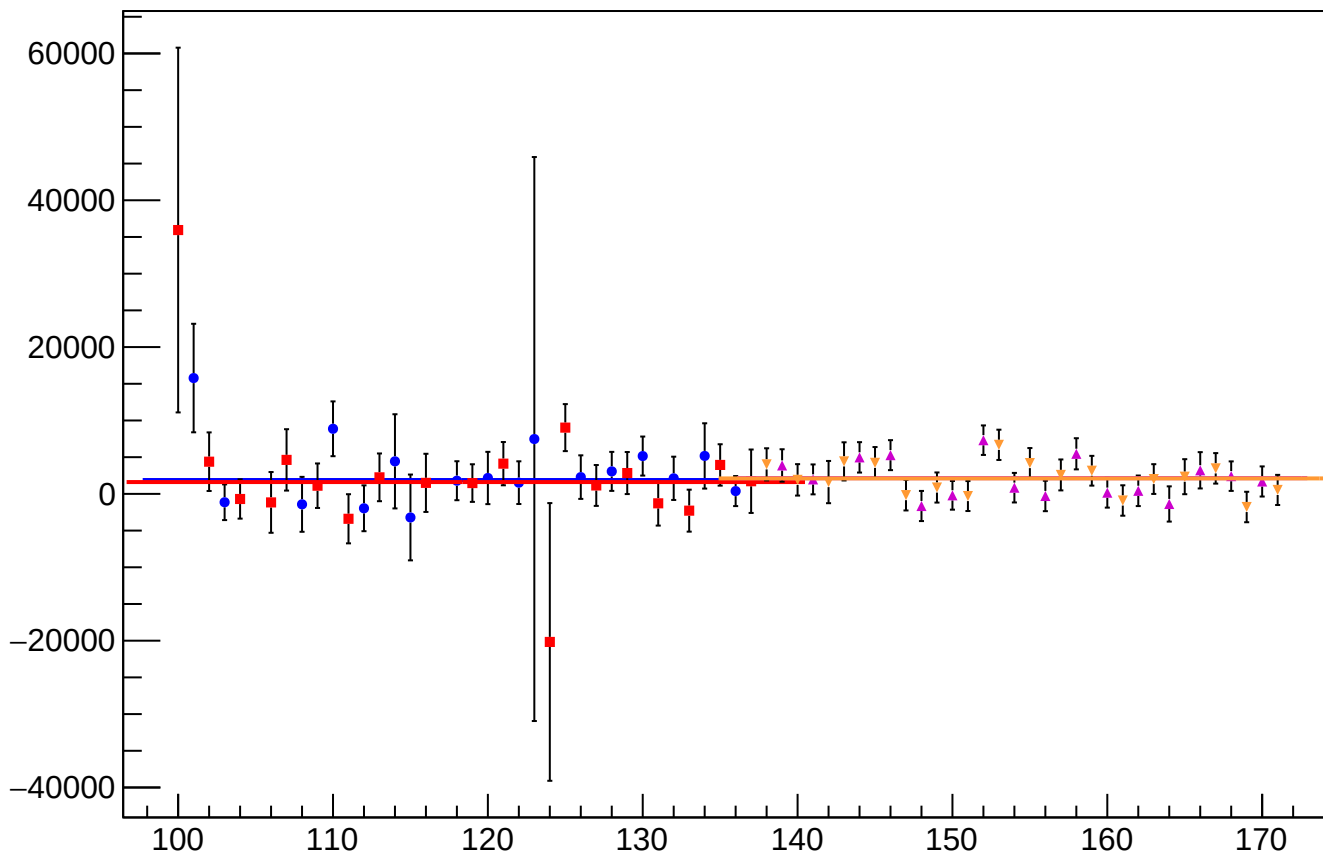
Right: 4400.391 $\pm$ 0.871 χ^2 /NDF: 1559151.4/35

In: 4594.832 $\pm$ 0.759 χ^2 /NDF: 1511318.5/32

Out: 4501.823 $\pm$ 0.719 χ^2 /NDF: 1390401.1/36

All: 4545.851 $\pm$ 0.522 χ^2 /NDF: 2909636.8/69

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2106.969+/-505.440 χ^2/NDF :18.5/17

Right Out: 1610.310+/-765.843 χ^2/NDF : 17.5/18

Left In: 2141.664+/-522.671 χ^2/NDF :24.6/15

Left: 2123.735+/-363.339 χ^2/NDF : 43.0/33

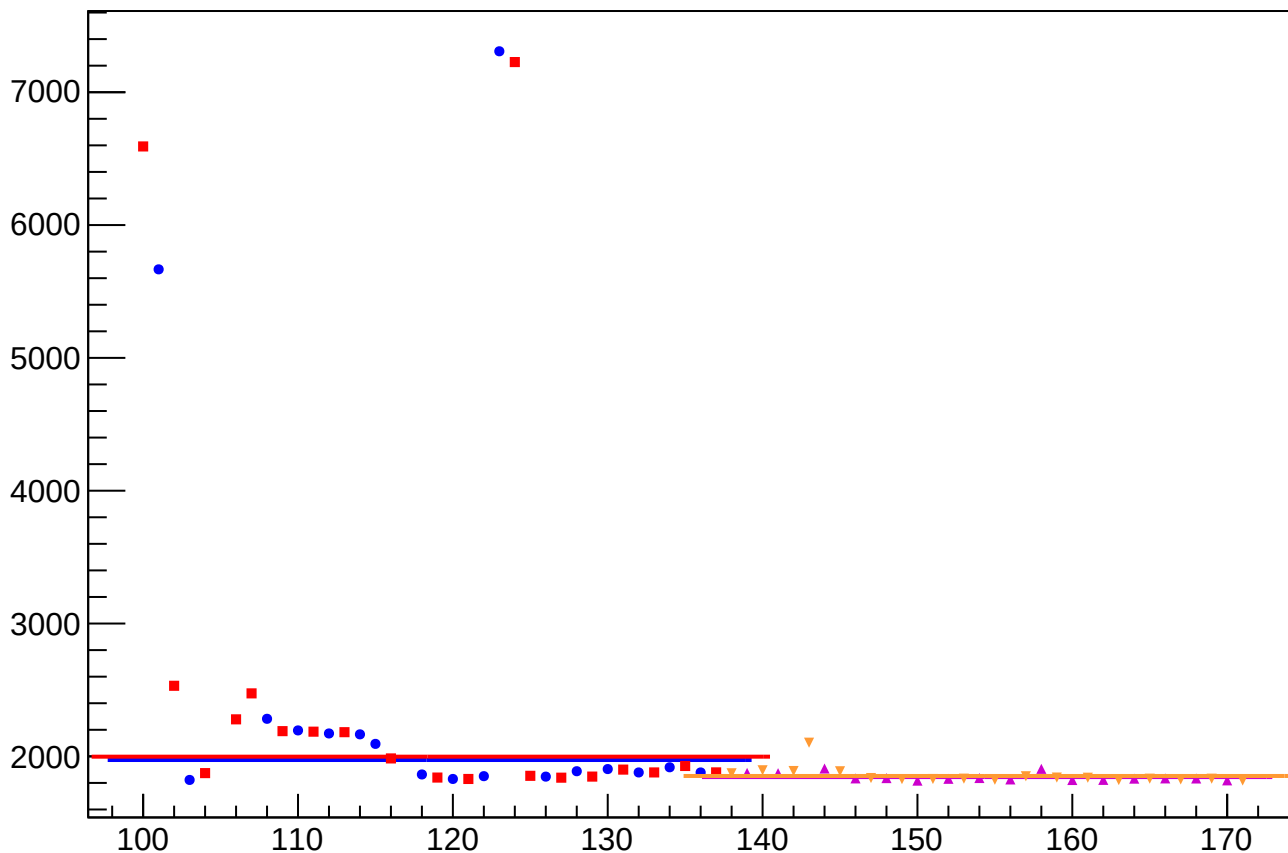
Right: 1745.891+/-547.780 χ^2/NDF : 32.2/35

In: 2063.563+/-434.858 χ^2/NDF :39.3/32

Out: 1956.276+/-421.849 χ^2/NDF :36.2/36

All: 2008.291+/-302.787 χ^2/NDF : 75.6/69

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1852.299+/-0.357 χ^2/NDF : 23471.7/17

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

Left In: 1844.037+/-0.370 χ^2/NDF : 6016.8/15

Left: 1848.306+/-0.257 χ^2/NDF : 29746.8/33

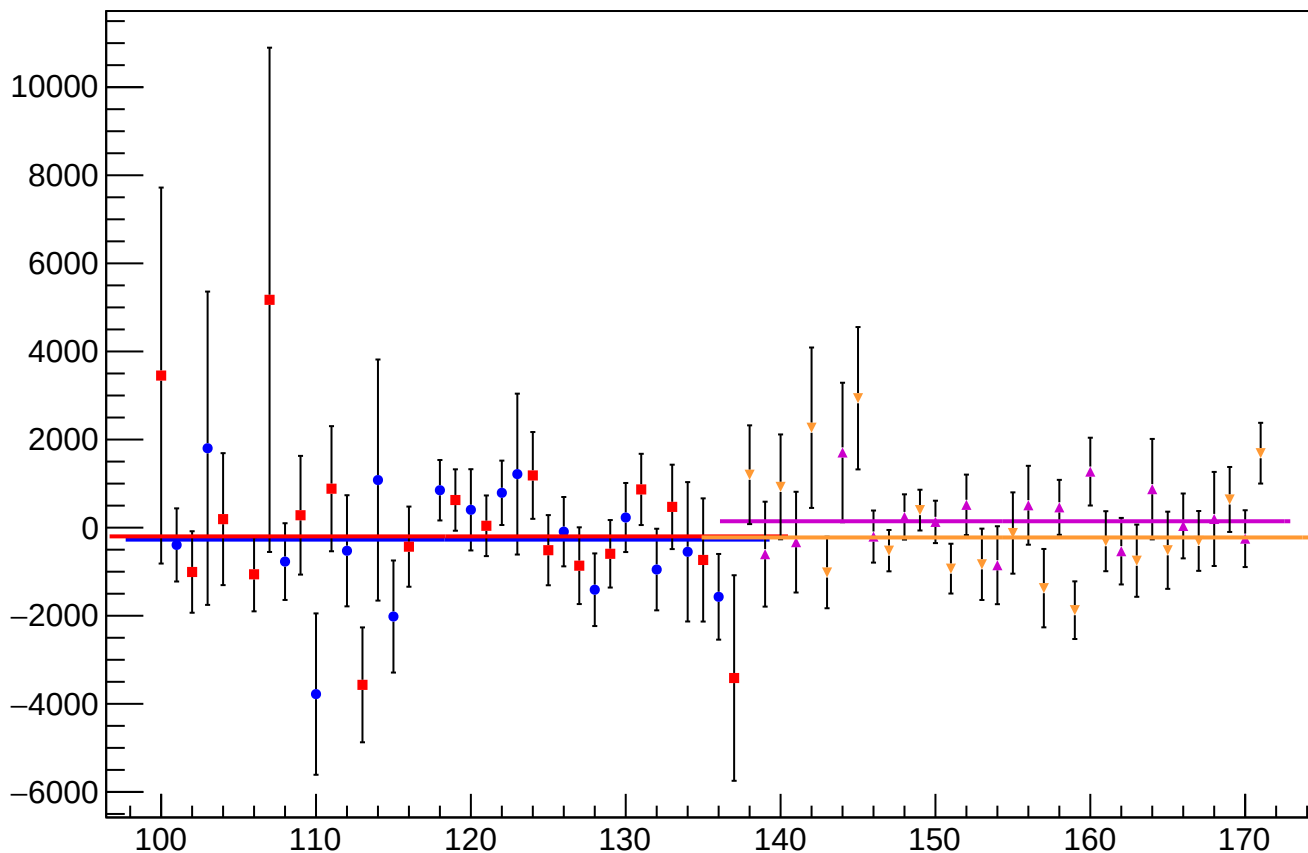
Right: 1985.358+/-0.387 χ^2/NDF : 957496.6/35

In: 1883.572+/-0.307 χ^2/NDF : 644063.5/32

Out: 1896.400+/-0.298 χ^2/NDF : 429226.4/36

All: 1890.180+/-0.214 χ^2/NDF : 1074186.5/69

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -222.758+/-173.056 χ^2/NDF : 31.2/17

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

Left In: 145.088+/-184.467 χ^2/NDF : 7.7/15

Left: -50.563+/-126.210 χ^2/NDF : 41.0/33

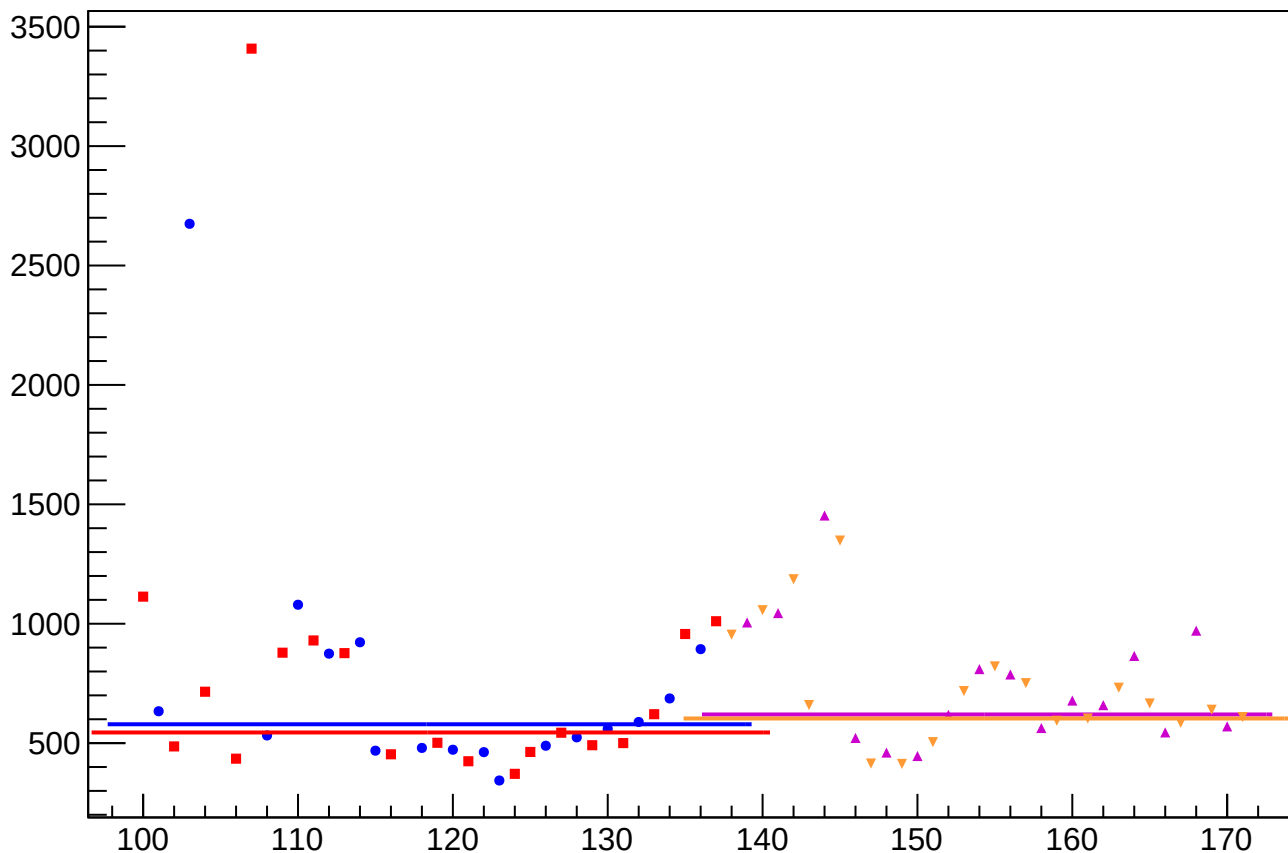
Right: -233.352+/-165.764 χ^2/NDF : 37.0/35

In: -9.548+/-146.305 χ^2/NDF : 26.8/32

Out: -213.914+/-138.074 χ^2/NDF : 50.9/36

All: -117.641+/-100.417 χ^2/NDF : 78.8/69

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 603.235 $\pm$ 0.122 χ^2 /NDF: 2122959.4/17

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

Left In: 619.998 $\pm$ 0.130 χ^2 /NDF: 2084715.2/15

Left: 611.082 $\pm$ 0.089 χ^2 /NDF: 4216459.0/33

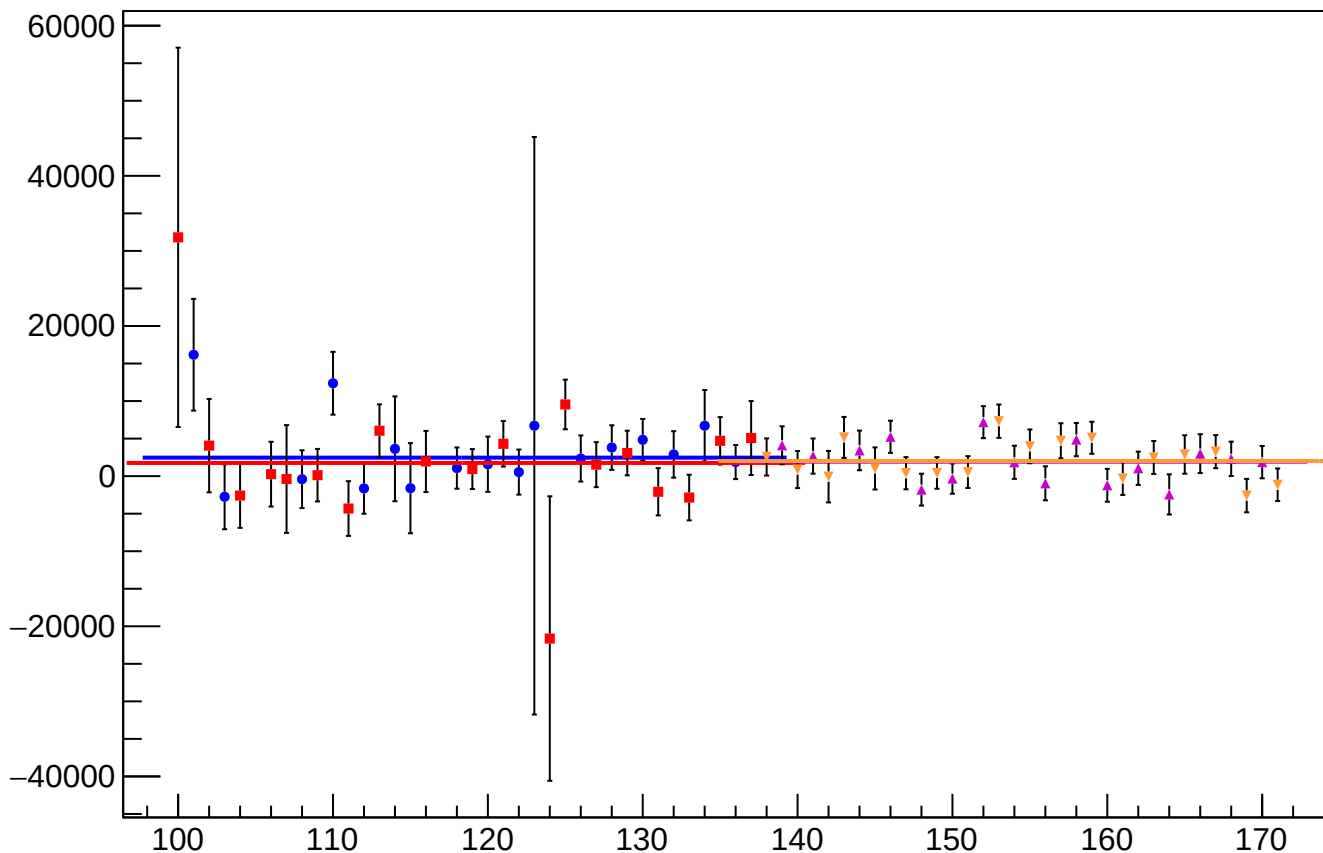
Right: 561.024 $\pm$ 0.117 χ^2 /NDF: 2901353.8/35

In: 604.793 $\pm$ 0.103 χ^2 /NDF: 3543491.8/32

Out: 581.952 $\pm$ 0.098 χ^2 /NDF: 3663991.4/36

All: 592.712 $\pm$ 0.071 χ^2 /NDF: 7233266.4/69

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2015.203 $\pm$ 547.961 χ^2 /NDF: 21.6/17

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

Left In: 1921.280 $\pm$ 568.129 χ^2 /NDF: 22.4/15

Left: 1969.938 $\pm$ 394.404 χ^2 /NDF: 44.0/33

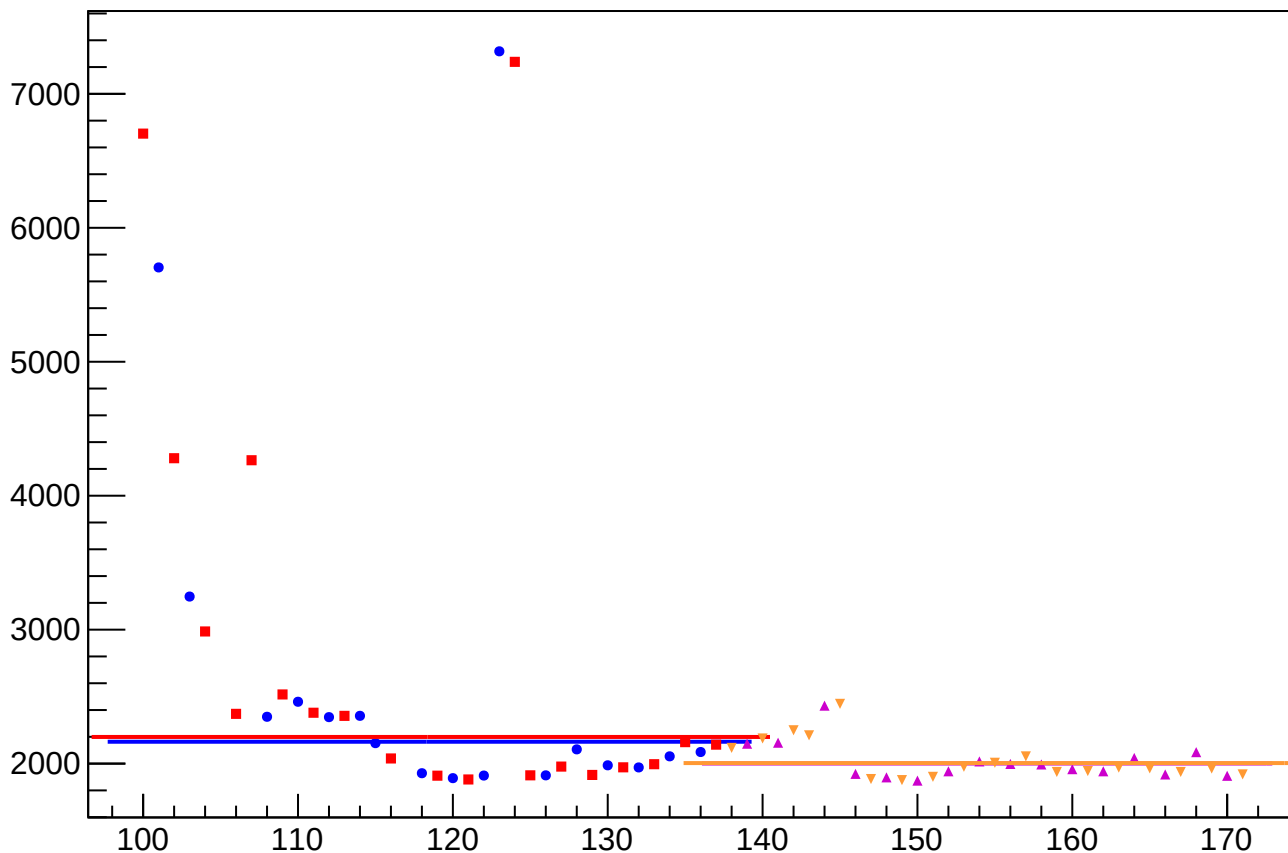
Right: 2106.351 $\pm$ 606.840 χ^2 /NDF: 36.4/35

In: 2085.342 $\pm$ 474.565 χ^2 /NDF: 38.2/32

Out: 1939.751 $\pm$ 461.077 χ^2 /NDF: 42.1/36

All: 2010.448 $\pm$ 330.696 χ^2 /NDF: 80.4/69

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2003.981+/-0.387 χ^2/NDF :115920.3/17

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

Left In: 2000.712+/-0.402 χ^2/NDF :97094.6/15

Left: 2002.405+/-0.279 χ^2/NDF : 213049.2/33

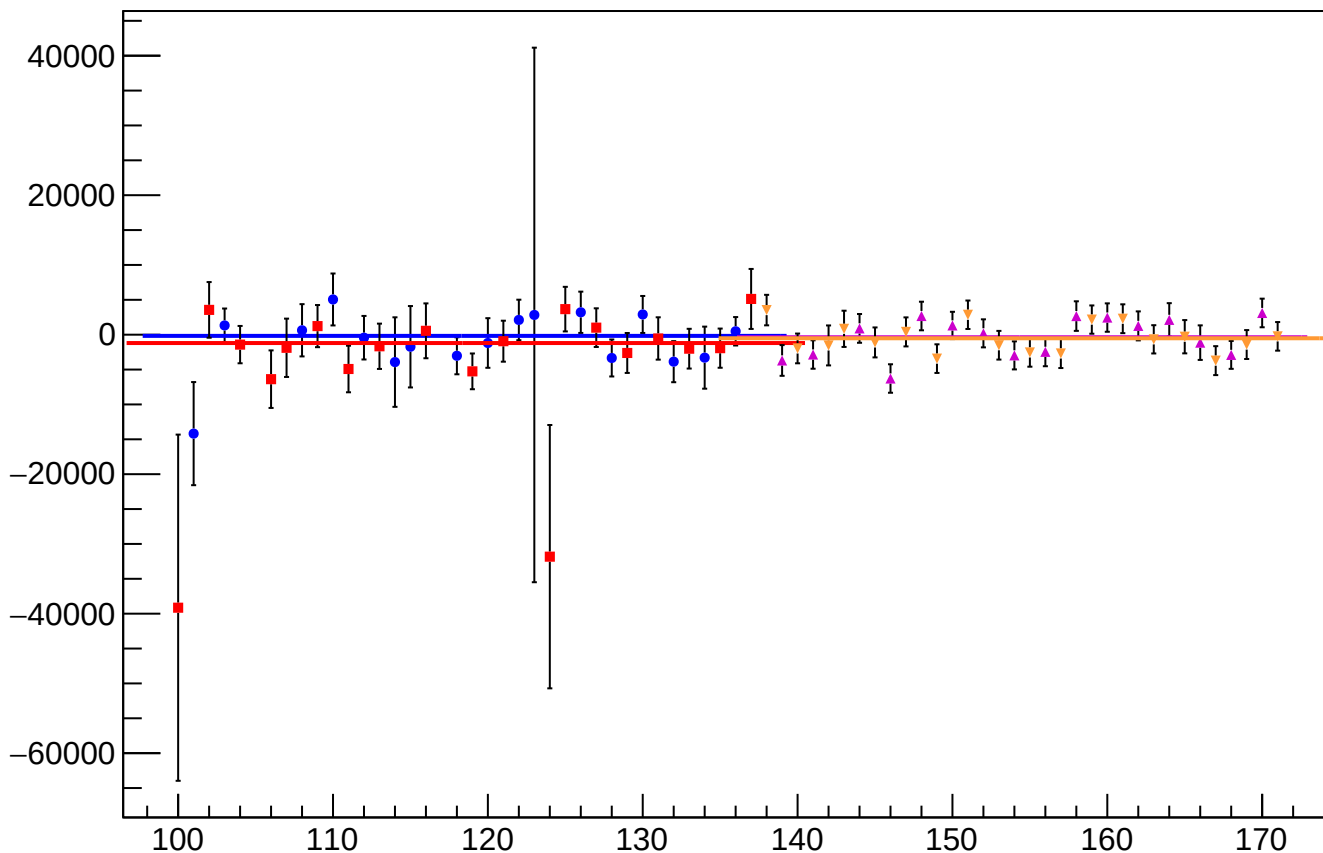
Right: 2181.359+/-0.429 χ^2/NDF : 1514611.9/35

In: 2049.856+/-0.336 χ^2/NDF :856189.9/32

Out: 2060.923+/-0.326 χ^2/NDF :993186.6/36

All: 2055.549+/-0.234 χ^2/NDF : 1849936.1/69

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -513.313+/-504.530 χ^2/NDF : 17.8/17

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

Left In: -365.016+/-521.953 χ^2/NDF : 28.5/15

Left: -441.681+/-362.760 χ^2/NDF : 46.3/33

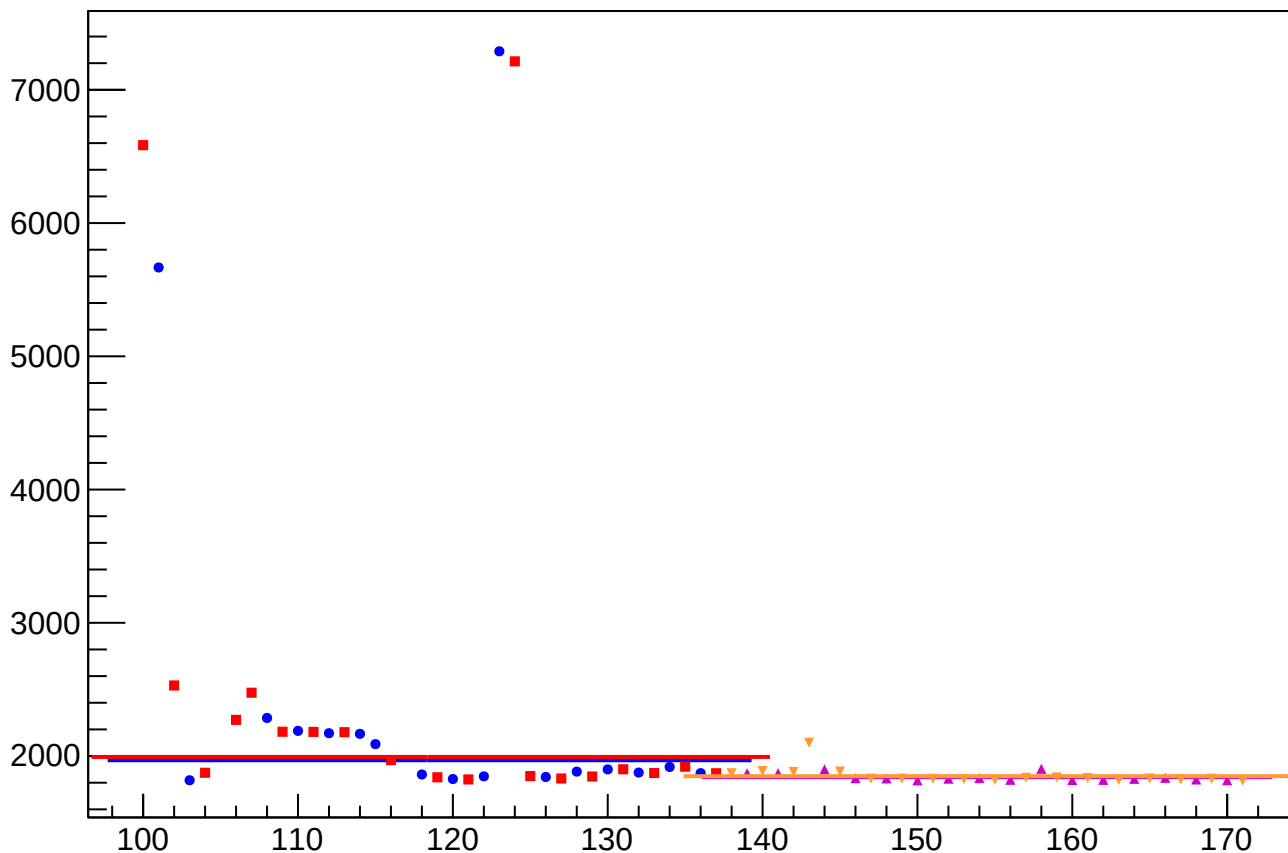
Right: -695.987+/-546.706 χ^2/NDF : 33.6/35

In: -305.061+/-434.198 χ^2/NDF : 43.1/32

Out: -720.997+/-421.054 χ^2/NDF : 36.5/36

All: -519.420+/-302.270 χ^2/NDF : 80.1/69

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1848.998 $\pm$ 0.357 χ^2 /NDF: 23048.8/17

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

Left In: 1841.514 $\pm$ 0.369 χ^2 /NDF: 5681.1/15

Left: 1845.383 $\pm$ 0.257 χ^2 /NDF: 28942.4/33

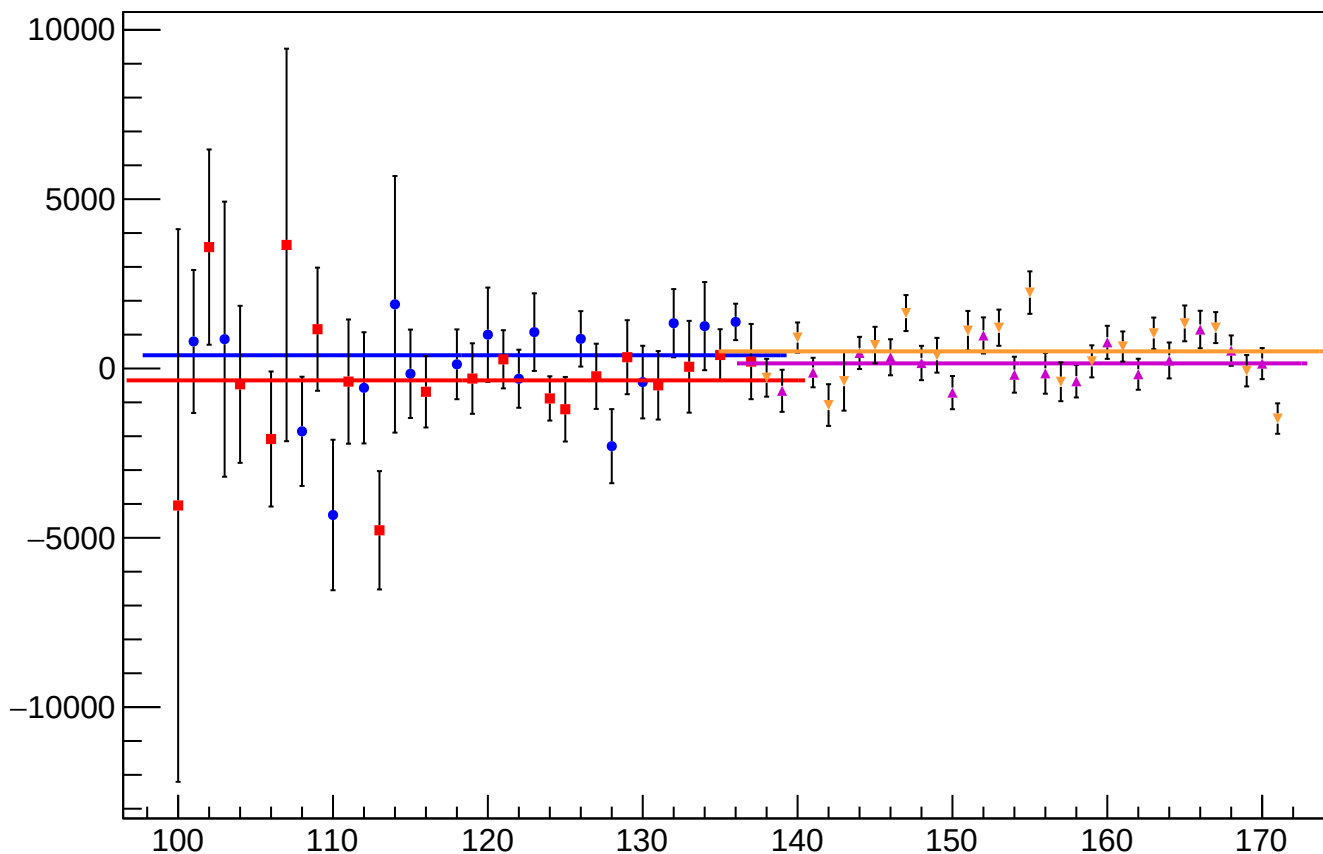
Right: 1981.318 $\pm$ 0.387 χ^2 /NDF: 960172.6/35

In: 1880.665 $\pm$ 0.307 χ^2 /NDF: 645189.7/32

Out: 1892.835 $\pm$ 0.298 χ^2 /NDF: 428964.8/36

All: 1886.937 $\pm$ 0.214 χ^2 /NDF: 1074964.2/69

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 506.031+/-122.093 χ^2/NDF : 55.7/17

Right Out: -350.642+/-266.097 χ^2/NDF : 14.2/18

Left In: 151.003+/-125.418 χ^2/NDF : 16.1/15

Left: 333.286+/-87.485 χ^2/NDF : 75.9/33

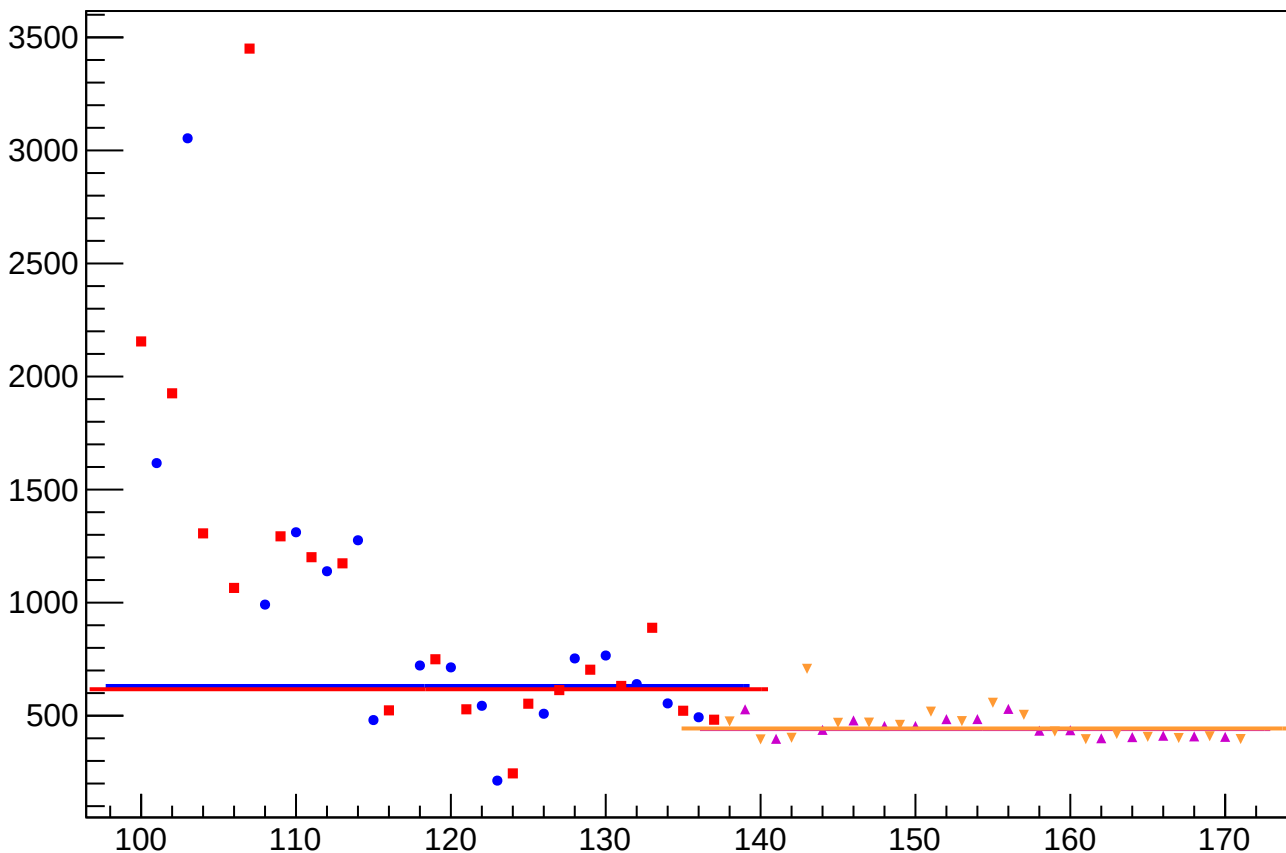
Right: 14.566+/-189.568 χ^2/NDF : 38.1/35

In: 193.550+/-113.755 χ^2/NDF : 36.8/32

Out: 357.046+/-110.969 χ^2/NDF : 78.5/36

All: 277.325+/-79.434 χ^2/NDF : 116.3/69

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 443.525 $\pm$ 0.086 χ^2 /NDF: 450715.3/17

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

Left In: 440.873 $\pm$ 0.089 χ^2 /NDF: 196766.6/15

Left: 442.234 $\pm$ 0.062 χ^2 /NDF: 647941.0/33

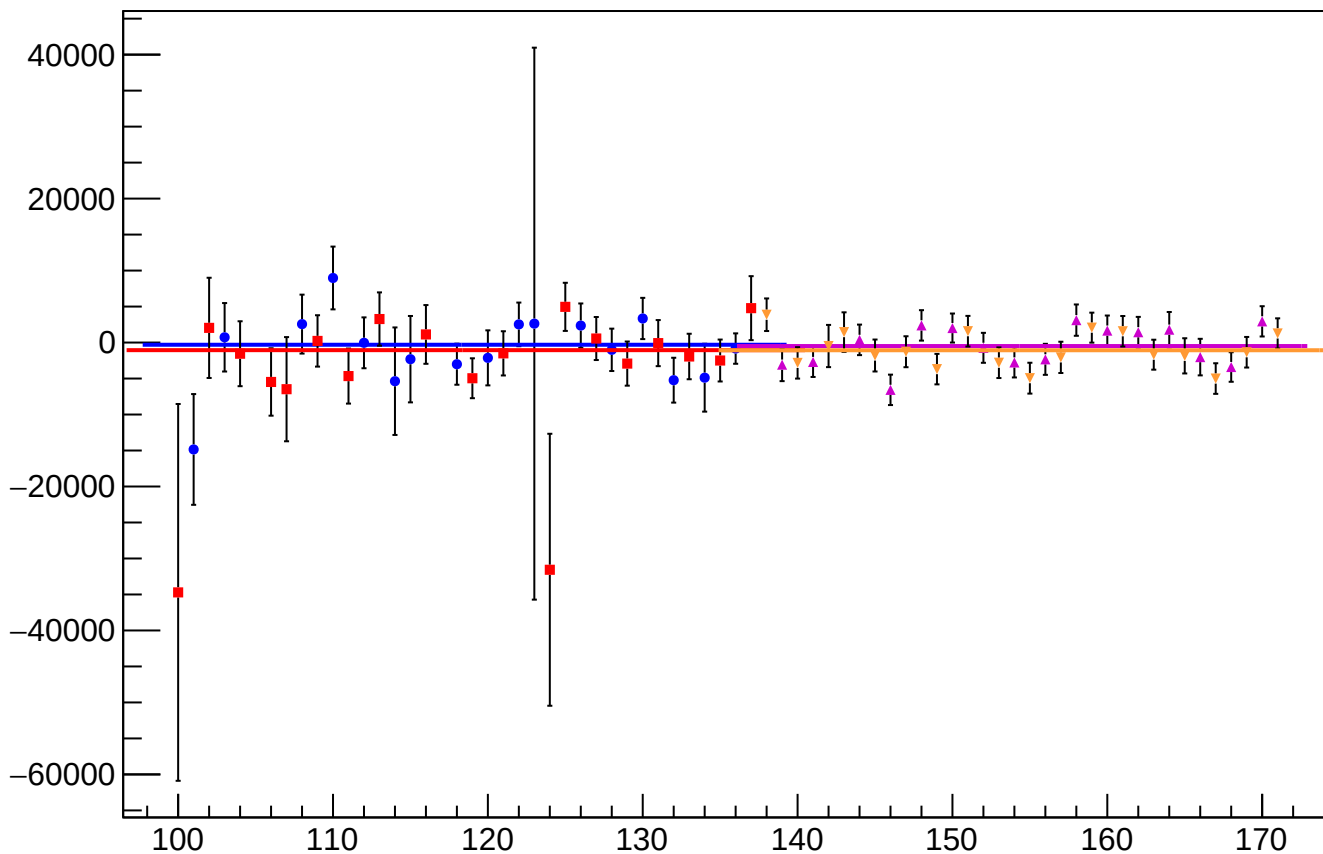
Right: 624.124 $\pm$ 0.134 χ^2 /NDF: 5065724.7/35

In: 474.666 $\pm$ 0.080 χ^2 /NDF: 3276225.7/32

Out: 473.700 $\pm$ 0.078 χ^2 /NDF: 3955340.5/36

All: 474.171 $\pm$ 0.056 χ^2 /NDF: 7231640.1/69

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -1069.037 ± 520.633 χ^2/NDF : 22.3/17

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

Left In: -485.031 ± 537.809 χ^2/NDF : 26.7/15

Left: -786.509 ± 374.068 χ^2/NDF : 49.6/33

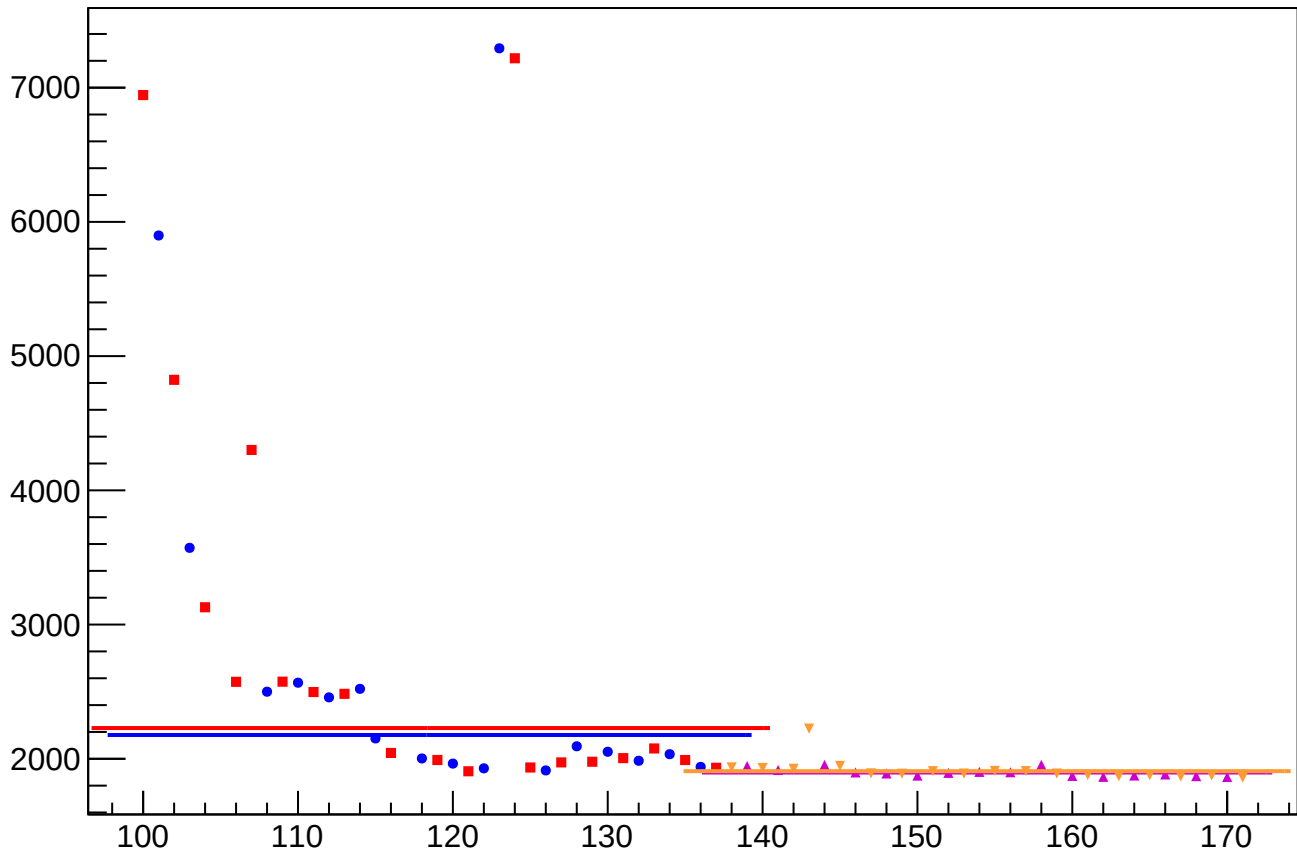
Right: -683.218 ± 614.953 χ^2/NDF : 34.2/35

In: -435.611 ± 457.739 χ^2/NDF : 43.9/32

Out: -1065.811 ± 446.401 χ^2/NDF : 39.0/36

All: -758.612 ± 319.586 χ^2/NDF : 83.8/69

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1907.905+/-0.368 χ^2/NDF :31894.9/17

Right Out: 2229.014+/-0.613 χ^2/NDF : 895809.1/18

Left In: 1897.618+/-0.380 χ^2/NDF :5981.3/15

Left: 1902.929+/-0.265 χ^2/NDF : 38254.0/33

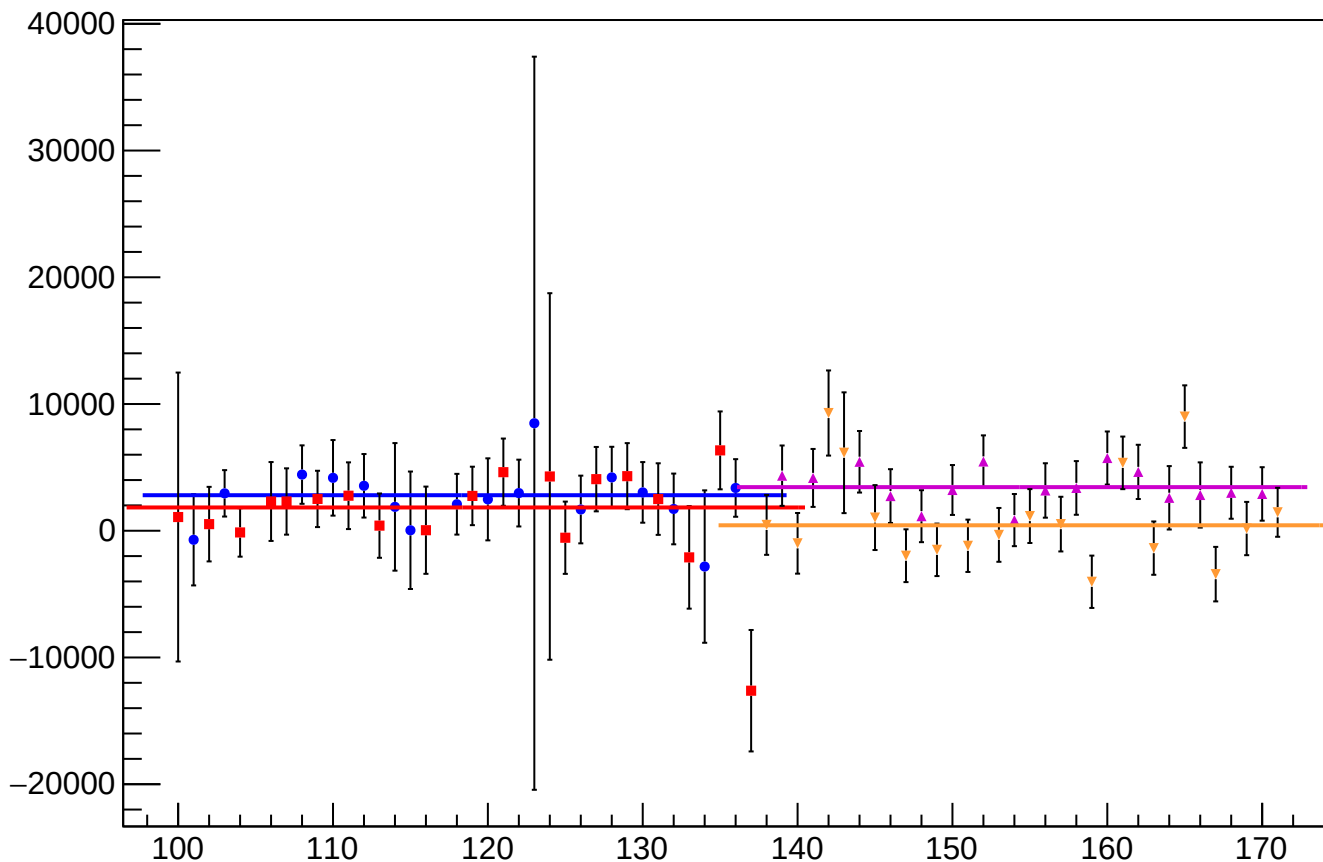
Right: 2203.363+/-0.435 χ^2/NDF : 1702161.6/35

In: 1974.739+/-0.324 χ^2/NDF :958041.3/32

Out: 1992.945+/-0.316 χ^2/NDF :1129186.9/36

All: 1984.070+/-0.226 χ^2/NDF : 2088849.9/69

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 430.607+/-529.837 χ^2/NDF : 38.5/17

Right Out: 1837.168+/-655.307 χ^2/NDF : 18.0/18

Left In: 3441.771+/-543.403 χ^2/NDF : 6.7/15

Left: 1898.135+/-379.357 χ^2/NDF : 60.9/33

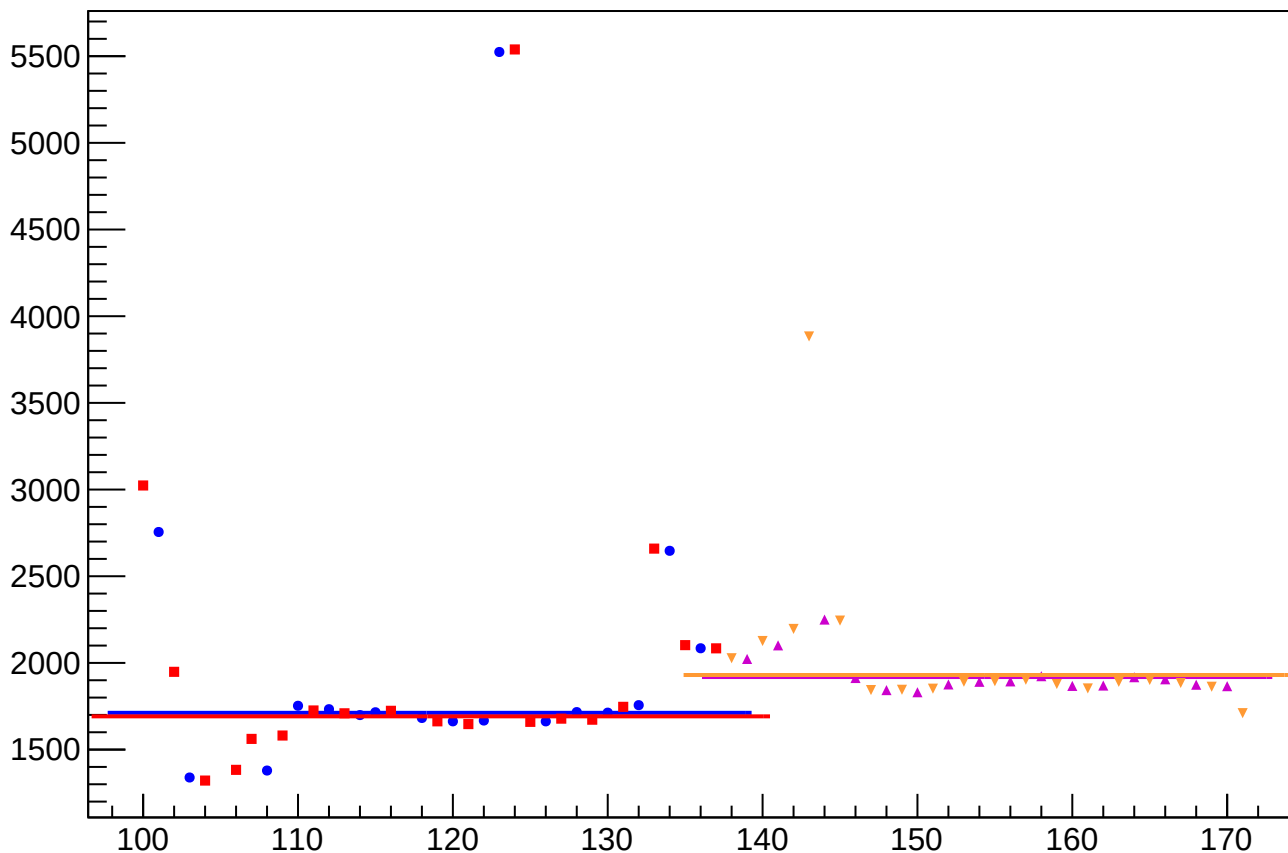
Right: 2303.702+/-471.374 χ^2/NDF : 23.0/35

In: 3192.537+/-424.154 χ^2/NDF : 11.1/32

Out: 986.628+/-412.013 χ^2/NDF : 59.3/36

All: 2057.558+/-295.536 χ^2/NDF : 84.4/69

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1930.279+/-0.375 χ^2/NDF : 440584.2/17

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

Left In: 1918.558+/-0.384 χ^2/NDF : 66542.1/15

Left: 1924.567+/-0.268 χ^2/NDF : 507603.2/33

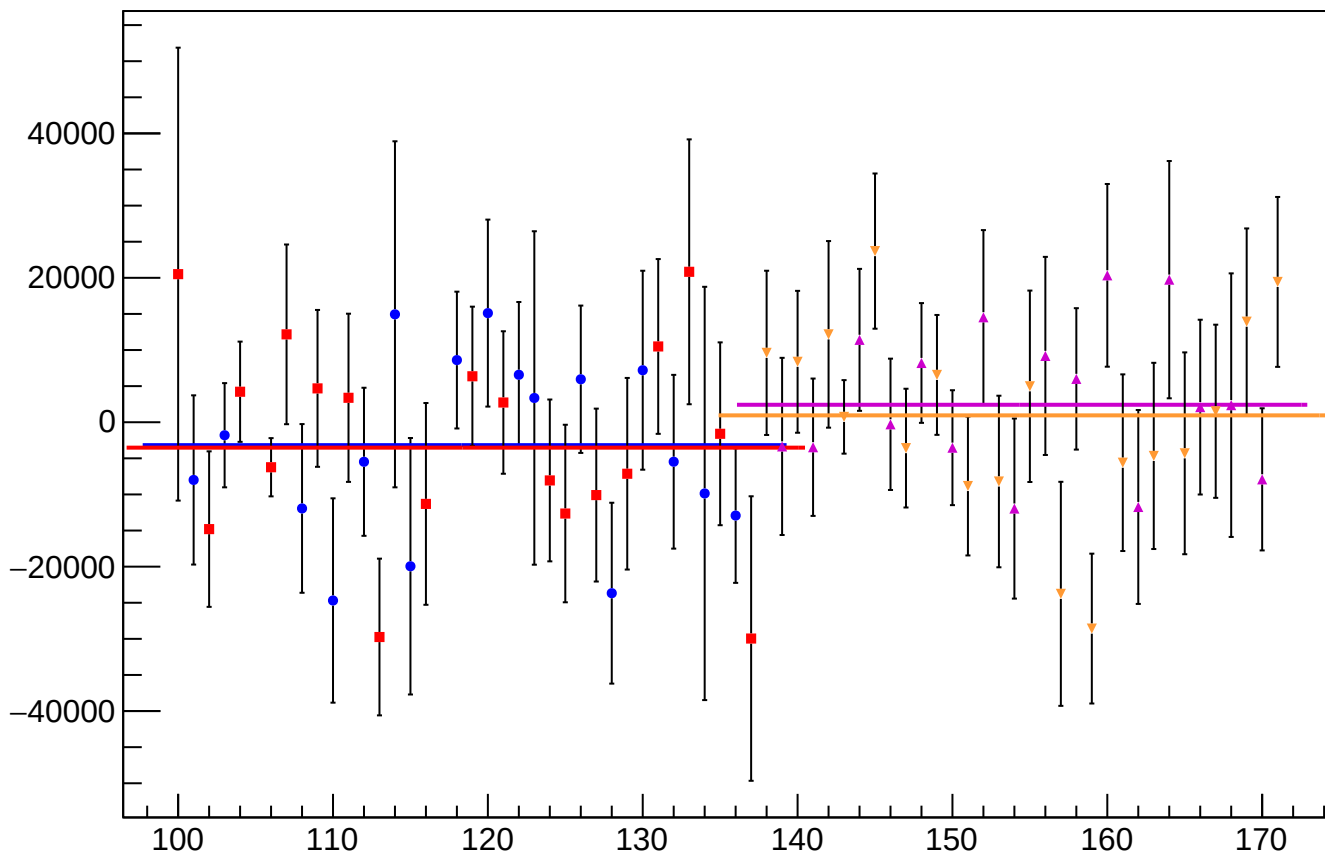
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1837.908+/-0.300 χ^2/NDF : 611768.9/32

Out: 1835.985+/-0.291 χ^2/NDF : 1055748.0/36

All: 1836.919+/-0.209 χ^2/NDF : 1667538.1/69

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: 951.592 $\pm$ 2386.159 χ^2 /NDF:23.6/17

Right Out: -3520.105 $\pm$ 2266.532 χ^2 /NDF: 19.5/18

Left In: 2418.051 $\pm$ 2720.034 χ^2 /NDF:10.6/15

Left: 1589.343 $\pm$ 1793.763 χ^2 /NDF: 34.4/33

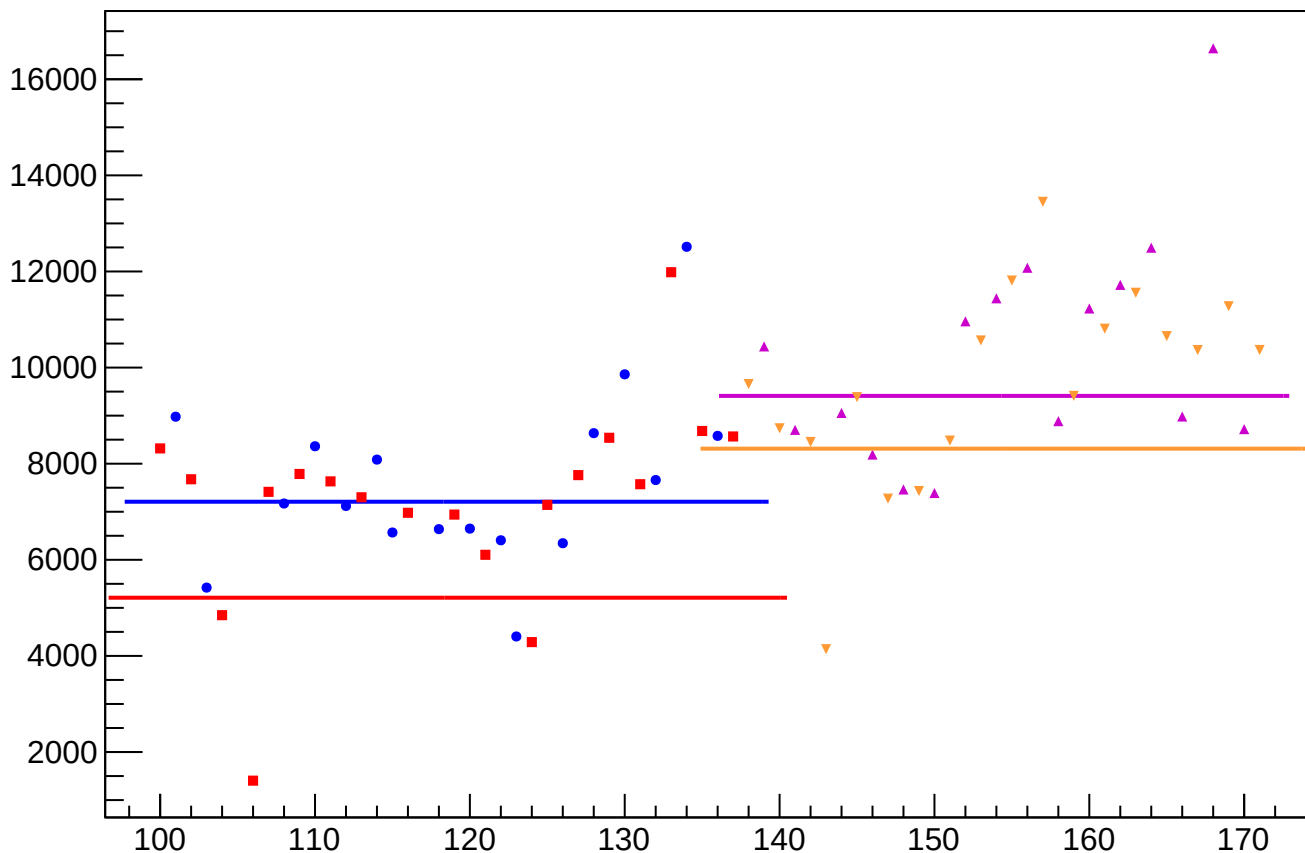
Right: -3385.836 $\pm$ 1774.424 χ^2 /NDF: 33.9/35

In: -245.267 $\pm$ 1968.348 χ^2 /NDF:27.0/32

Out: -1399.154 $\pm$ 1643.344 χ^2 /NDF:45.0/36

All: -925.211 $\pm$ 1261.489 χ^2 /NDF: 72.2/69

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 8312.939+/-1.687 χ^2/NDF : 2394132.4/17

Right Out: 5211.187+/-1.603 χ^2/NDF : 3196870.2/18

Left In: 9411.056+/-1.923 χ^2/NDF : 967958.7/15

Left: 8790.501+/-1.268 χ^2/NDF : 3546299.6/33

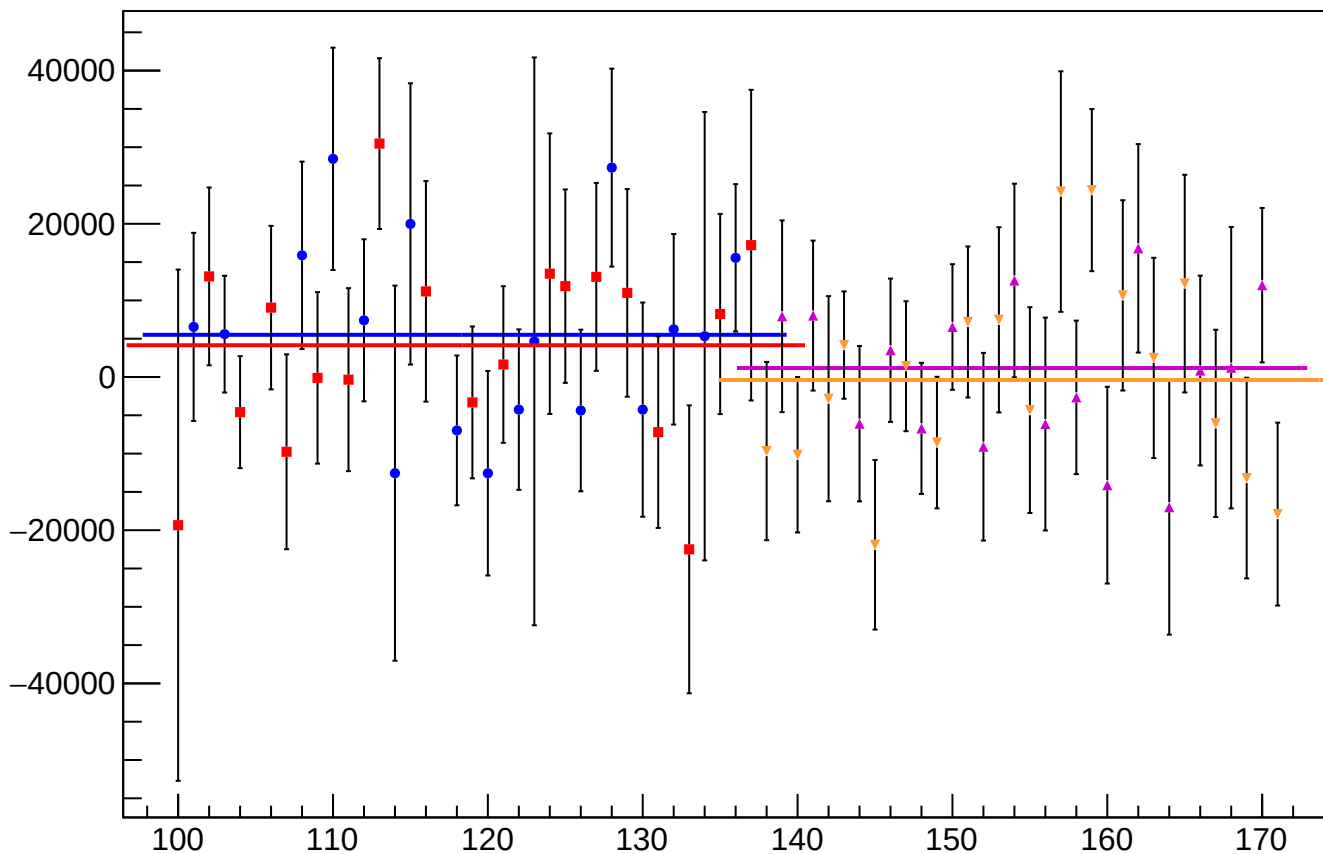
Right: 5984.369+/-1.255 χ^2/NDF : 4267414.1/35

In: 8361.938+/-1.392 χ^2/NDF : 2061885.3/32

Out: 6682.365+/-1.162 χ^2/NDF : 7367558.1/36

All: 7372.227+/-0.892 χ^2/NDF : 10287534.9/66

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: -384.261 $\pm$ 2572.187 χ^2 /NDF:20.7/17

Right Out: 4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

Left In: 1171.055 $\pm$ 2784.747 χ^2 /NDF:9.7/15

Left: 331.779 $\pm$ 1889.493 χ^2 /NDF: 30.6/33

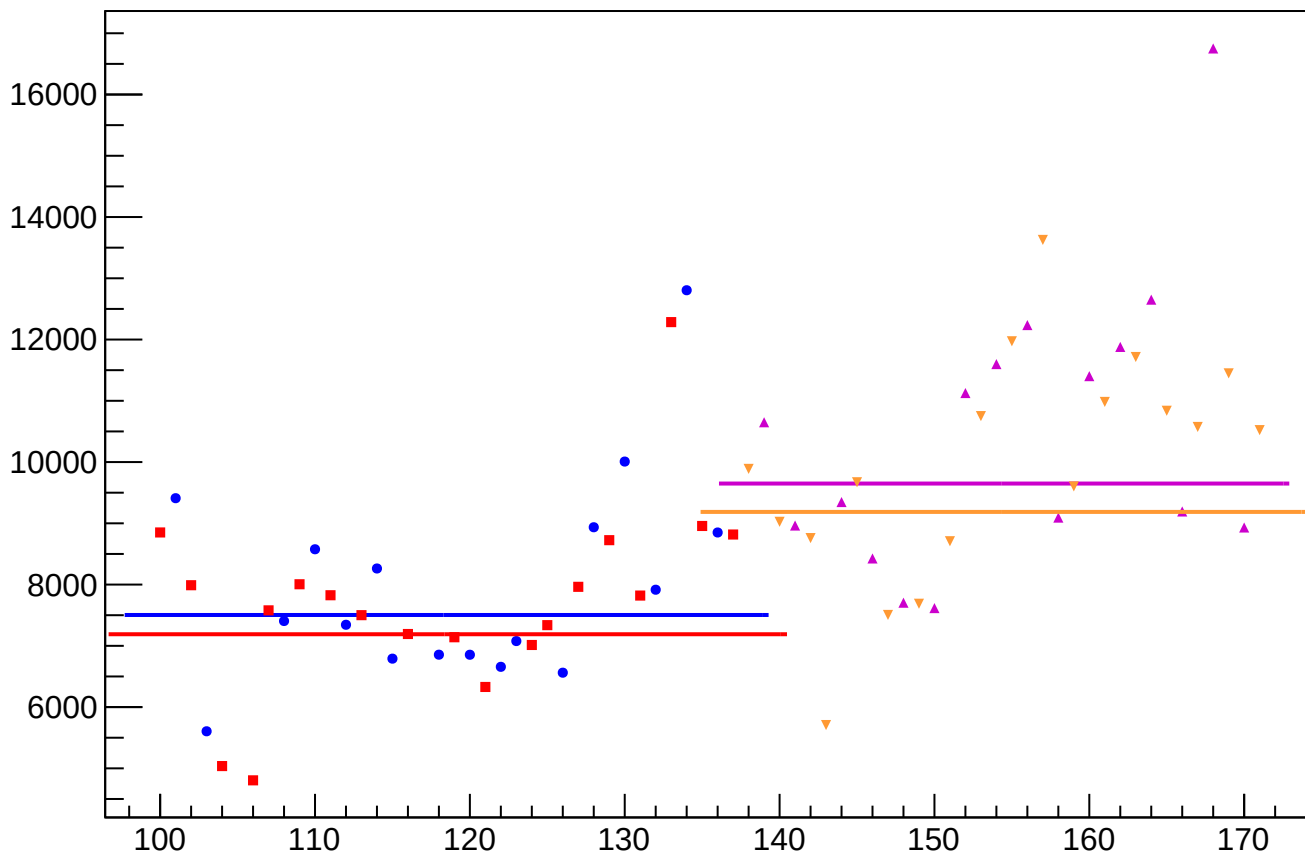
Right: 4784.984 $\pm$ 2033.900 χ^2 /NDF: 29.6/35

In: 3199.961 $\pm$ 2031.780 χ^2 /NDF:24.9/32

Out: 1697.012 $\pm$ 1891.198 χ^2 /NDF:37.6/36

All: 2394.696 $\pm$ 1384.313 χ^2 /NDF: 62.7/69

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 9186.297 $\pm$ 1.819 χ^2 /NDF: 1187765.2/17

Right Out: 7189.231 $\pm$ 1.973 χ^2 /NDF: 557703.4/18

Left In: 9649.283 $\pm$ 1.969 χ^2 /NDF: 904964.0/15

Left: 9399.448 $\pm$ 1.336 χ^2 /NDF: 2122561.0/33

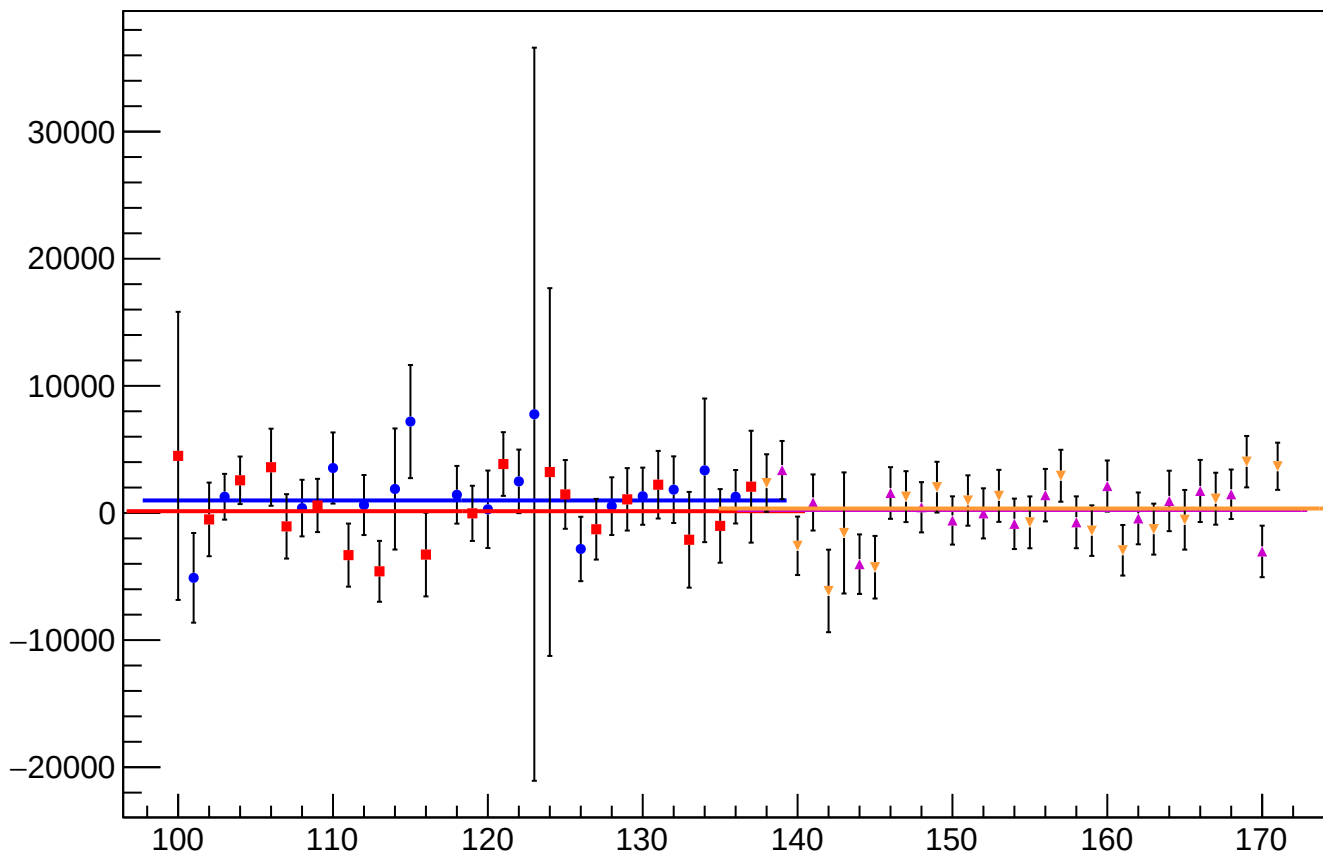
Right: 7336.574 $\pm$ 1.438 χ^2 /NDF: 996921.9/35

In: 8645.818 $\pm$ 1.437 χ^2 /NDF: 1887558.4/32

Out: 8268.700 $\pm$ 1.337 χ^2 /NDF: 2299417.2/36

All: 8443.753 $\pm$ 0.979 χ^2 /NDF: 4223895.1/69

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452 ± 644.630 $\chi^2/\text{NDF}: 9.1/16$

Left Out: 351.299 ± 508.141 $\chi^2/\text{NDF}: 24.2/17$

Right Out: 138.627 ± 623.555 $\chi^2/\text{NDF}: 14.7/18$

Left In: 235.855 ± 521.256 $\chi^2/\text{NDF}: 11.2/15$

Left: 295.047 ± 363.858 $\chi^2/\text{NDF}: 35.4/33$

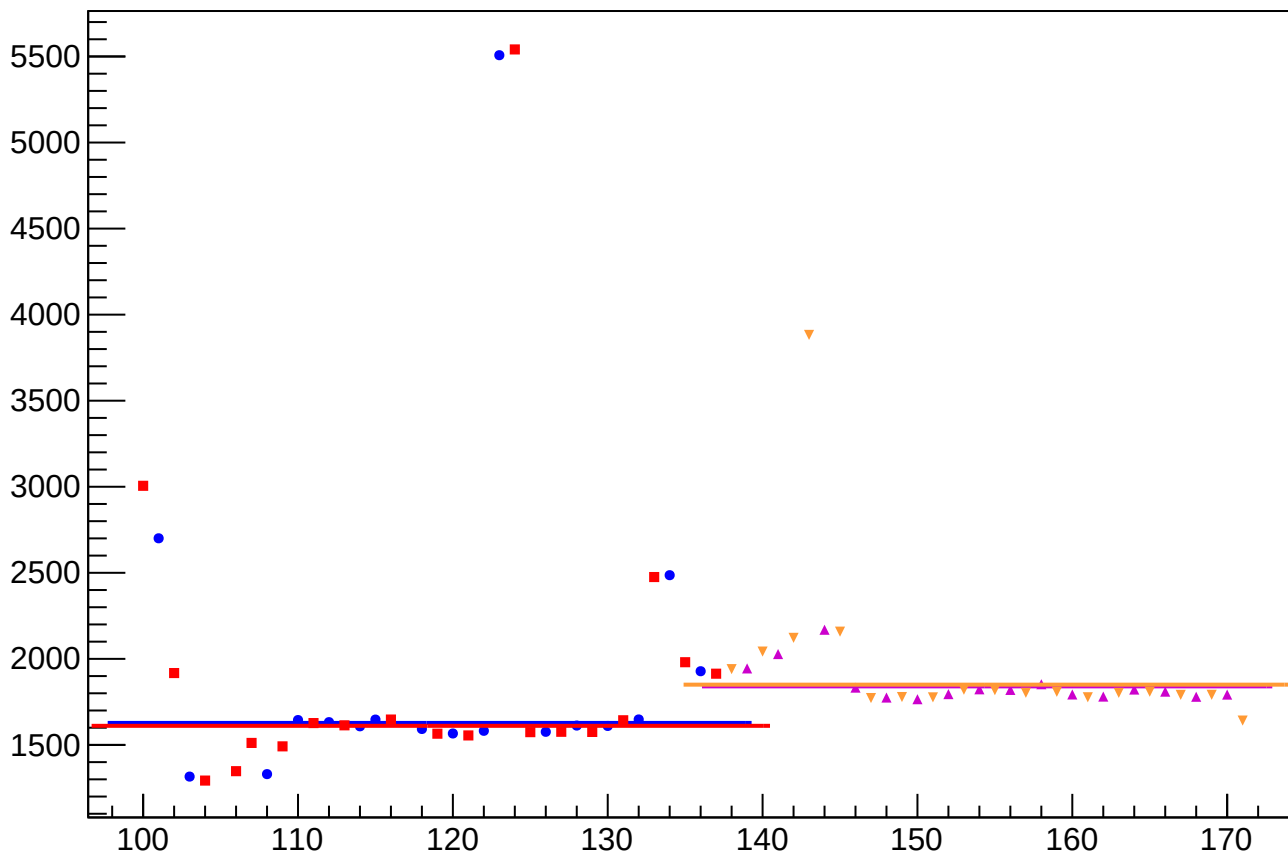
Right: 547.971 ± 448.185 $\chi^2/\text{NDF}: 24.6/35$

In: 532.209 ± 405.324 $\chi^2/\text{NDF}: 21.1/32$

Out: 266.429 ± 393.911 $\chi^2/\text{NDF}: 38.9/36$

All: 395.524 ± 282.486 $\chi^2/\text{NDF}: 60.2/69$

reg_asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 1850.151 $\pm$ 0.359 χ^2 /NDF: 470727.8/17

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

Left In: 1840.164 $\pm$ 0.369 χ^2 /NDF: 71108.0/15

Left: 1845.285 $\pm$ 0.257 χ^2 /NDF: 542212.2/33

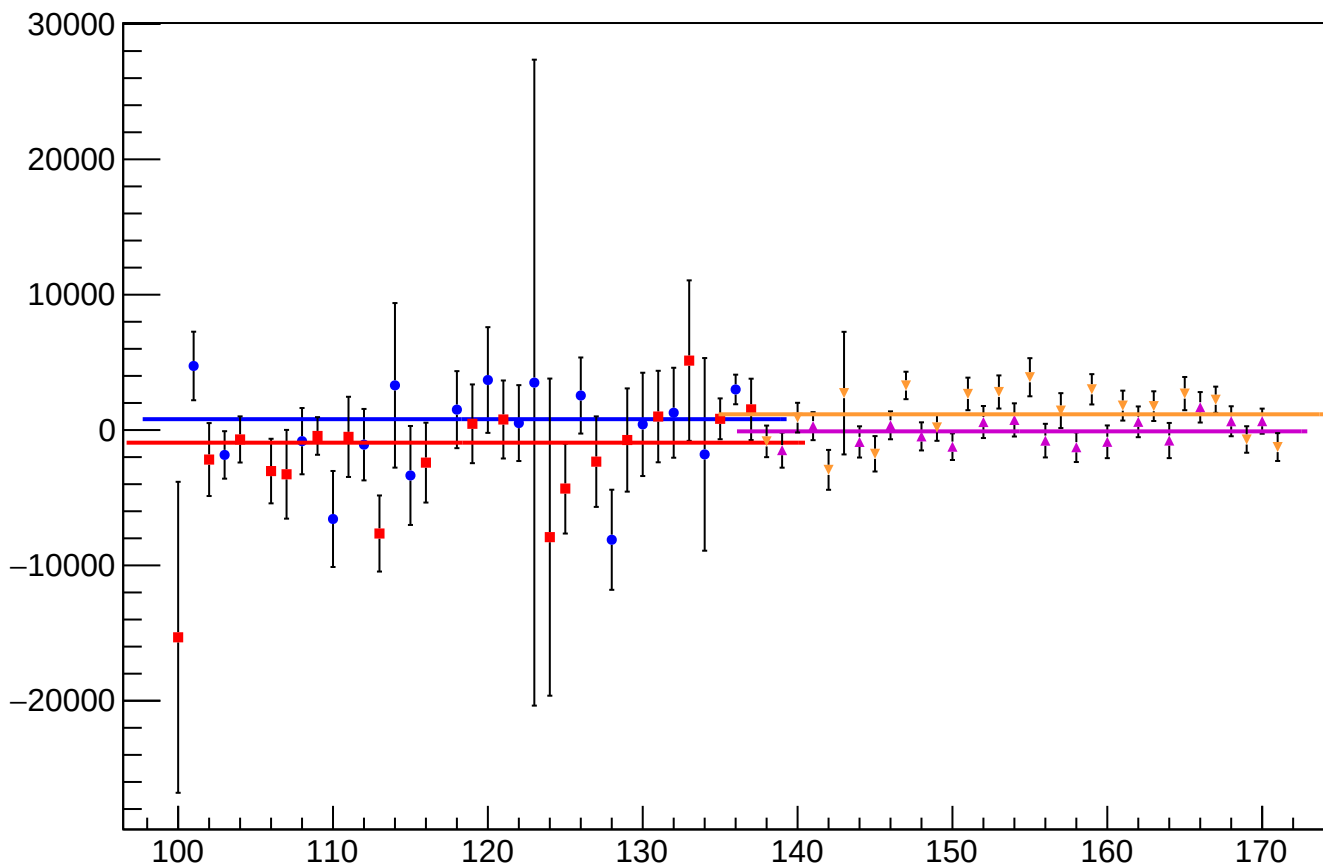
Right: 1619.112 $\pm$ 0.317 χ^2 /NDF: 841776.5/35

In: 1756.220 $\pm$ 0.287 χ^2 /NDF: 609412.4/32

Out: 1754.693 $\pm$ 0.279 χ^2 /NDF: 1081552.1/36

All: 1755.434 $\pm$ 0.200 χ^2 /NDF: 1690979.1/69

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 1163.616+/-274.377 χ^2/NDF : 43.7/17

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

Left In: -96.816+/-278.812 χ^2/NDF : 10.3/15

Left: 543.503+/-195.563 χ^2/NDF : 64.4/33

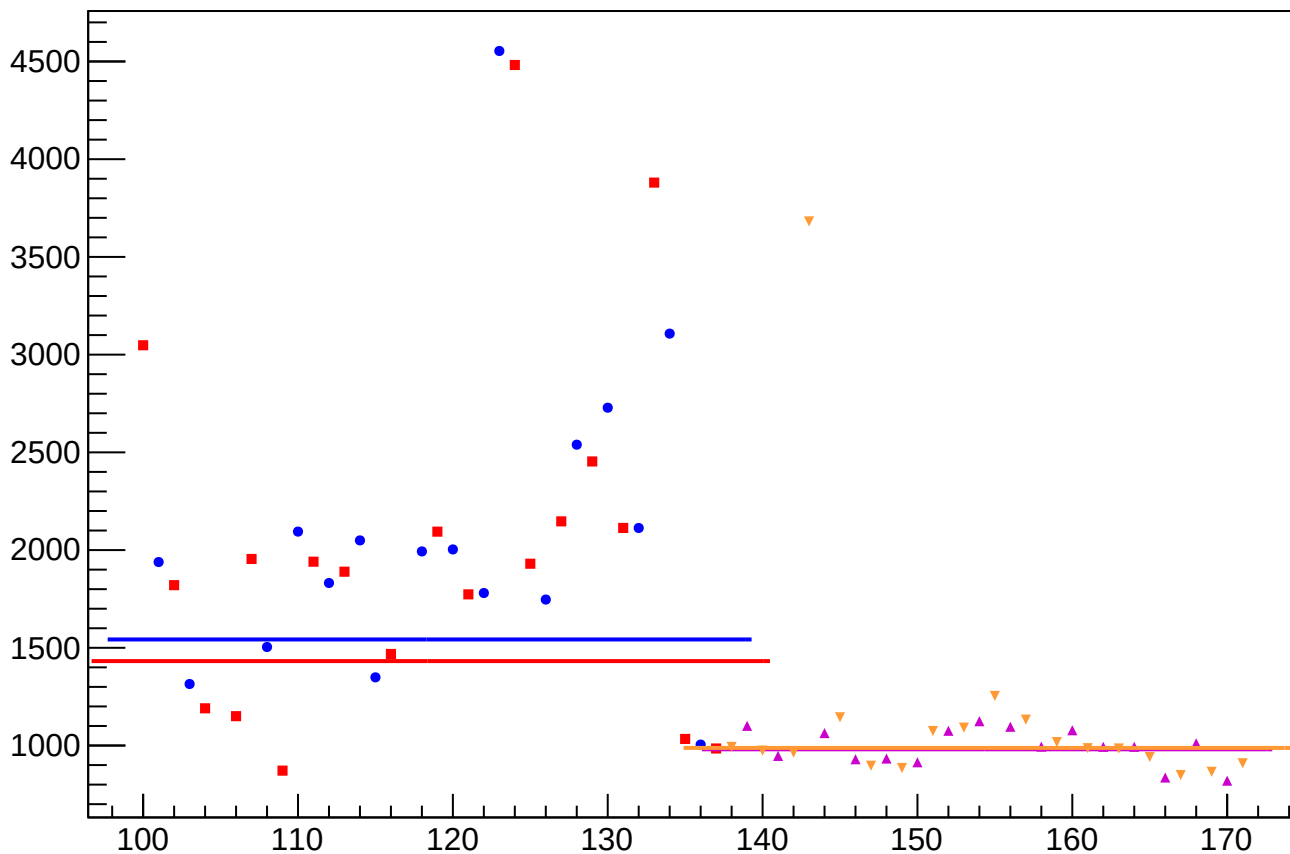
Right: -124.875+/-431.067 χ^2/NDF : 41.7/35

In: 49.910+/-255.070 χ^2/NDF : 34.4/32

Out: 790.412+/-248.770 χ^2/NDF : 69.4/36

All: 429.419+/-178.093 χ^2/NDF : 108.1/69

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 987.840+/-0.194 χ^2/NDF : 984244.9/17

Right Out: 1432.013+/-0.417 χ^2/NDF : 1823809.4/18

Left In: 980.627+/-0.197 χ^2/NDF : 213589.7/15

Left: 984.292+/-0.138 χ^2/NDF : 1198514.6/33

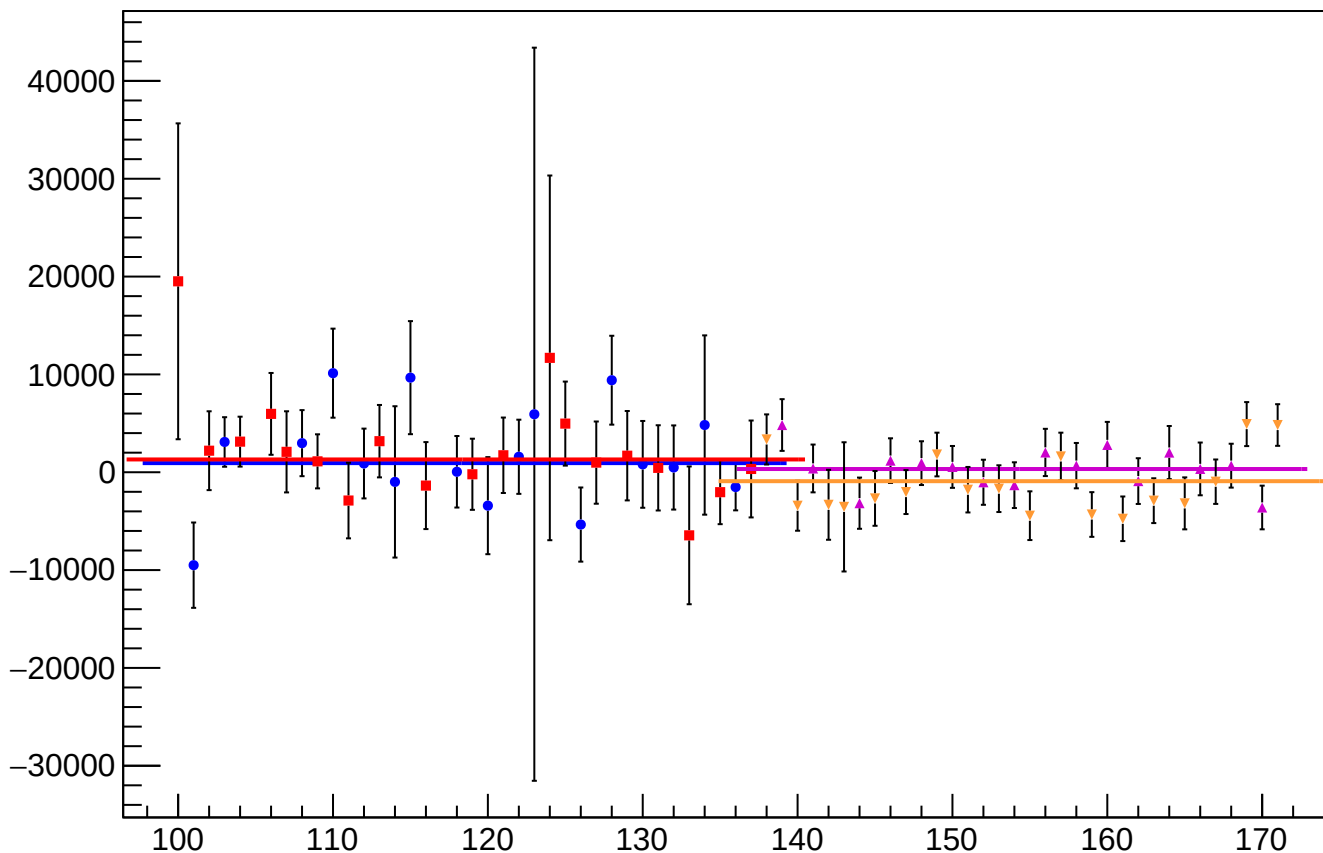
Right: 1483.562+/-0.305 χ^2/NDF : 3144570.0/35

In: 1072.276+/-0.180 χ^2/NDF : 2826888.5/32

Out: 1066.880+/-0.176 χ^2/NDF : 3740731.1/36

All: 1069.511+/-0.126 χ^2/NDF : 6568078.3/69

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -913.517 ± 581.857 χ^2/NDF : 30.4/17

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

Left In: 329.798 ± 594.187 χ^2/NDF : 11.1/15

Left: -304.894 ± 415.726 χ^2/NDF : 43.8/33

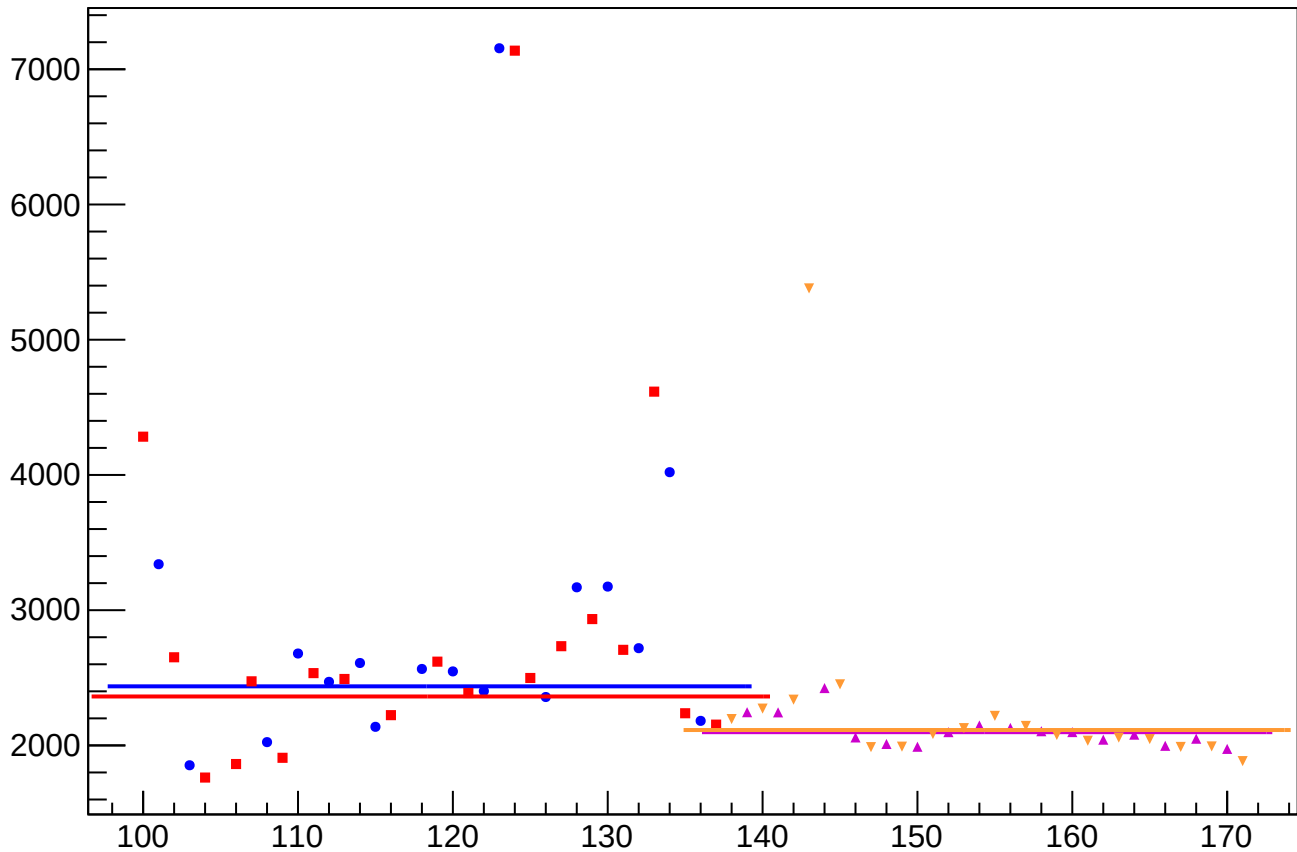
Right: 1128.728 ± 668.896 χ^2/NDF : 30.2/35

In: 494.842 ± 506.387 χ^2/NDF : 33.0/32

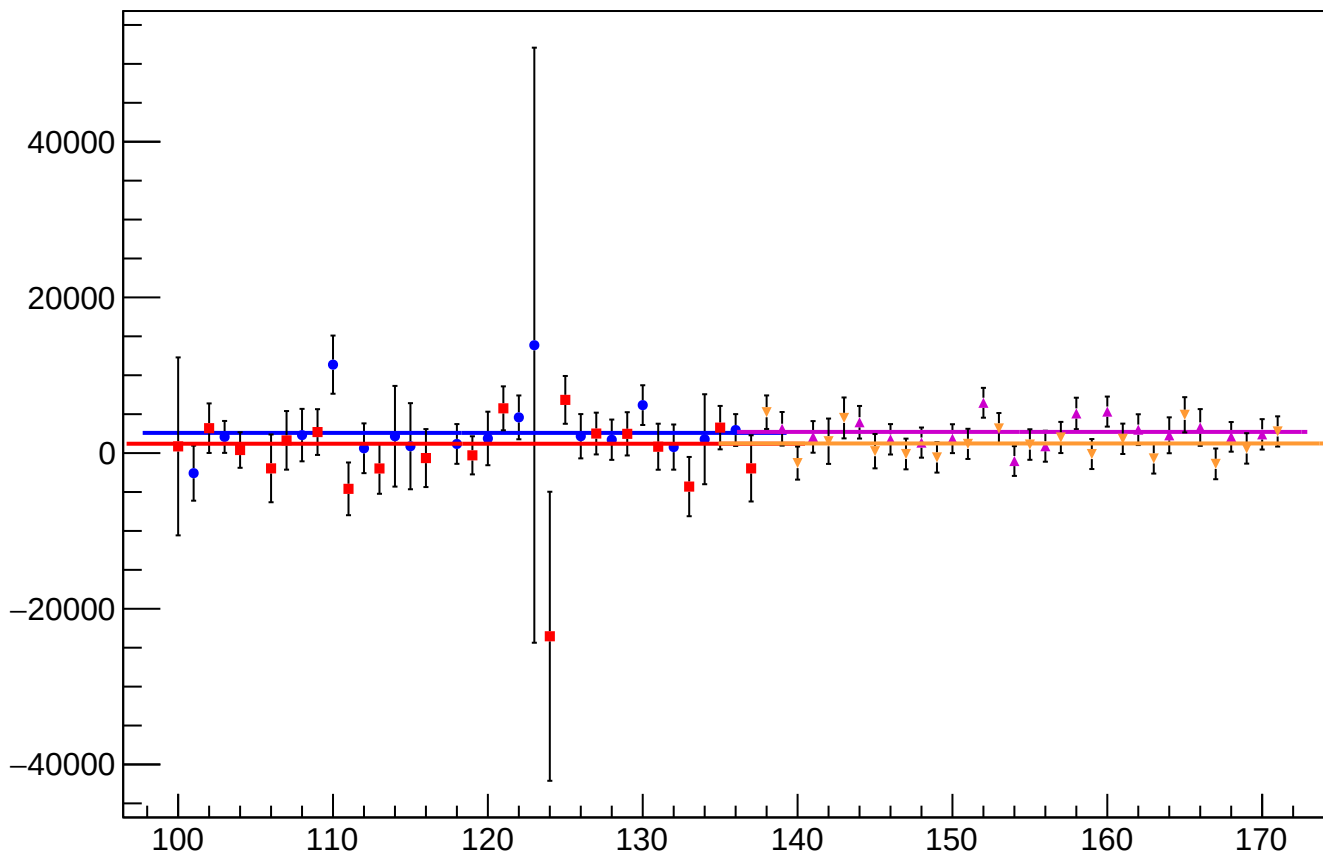
Out: -284.165 ± 492.581 χ^2/NDF : 43.0/36

All: 94.574 ± 353.088 χ^2/NDF : 77.2/69

asym_at2_dd_rms vs Slug, Sign Corrected



reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1237.021+/-486.114 χ^2/NDF : 15.8/17

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

Left In: 2720.580+/-501.484 χ^2/NDF : 13.4/15

Left: 1955.718+/-349.042 χ^2/NDF : 33.7/33

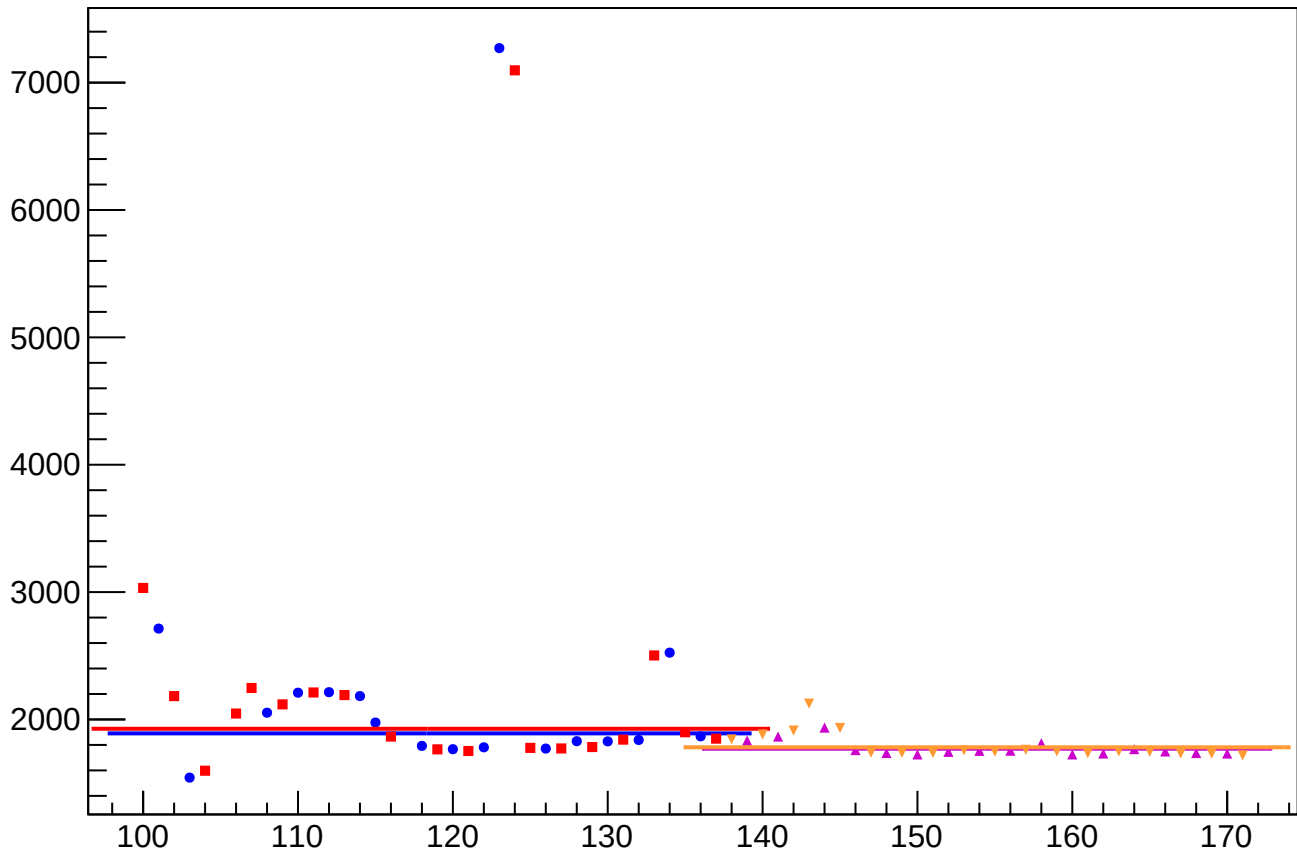
Right: 1895.439+/-524.180 χ^2/NDF : 30.7/35

In: 2681.178+/-415.665 χ^2/NDF : 25.1/32

Out: 1226.622+/-406.228 χ^2/NDF : 33.0/36

All: 1937.201+/-290.526 χ^2/NDF : 64.4/69

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1781.368+/-0.344 χ^2/NDF : 65197.5/17

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

Left In: 1770.296+/-0.355 χ^2/NDF : 25402.1/15

Left: 1776.005+/-0.247 χ^2/NDF : 91102.2/33

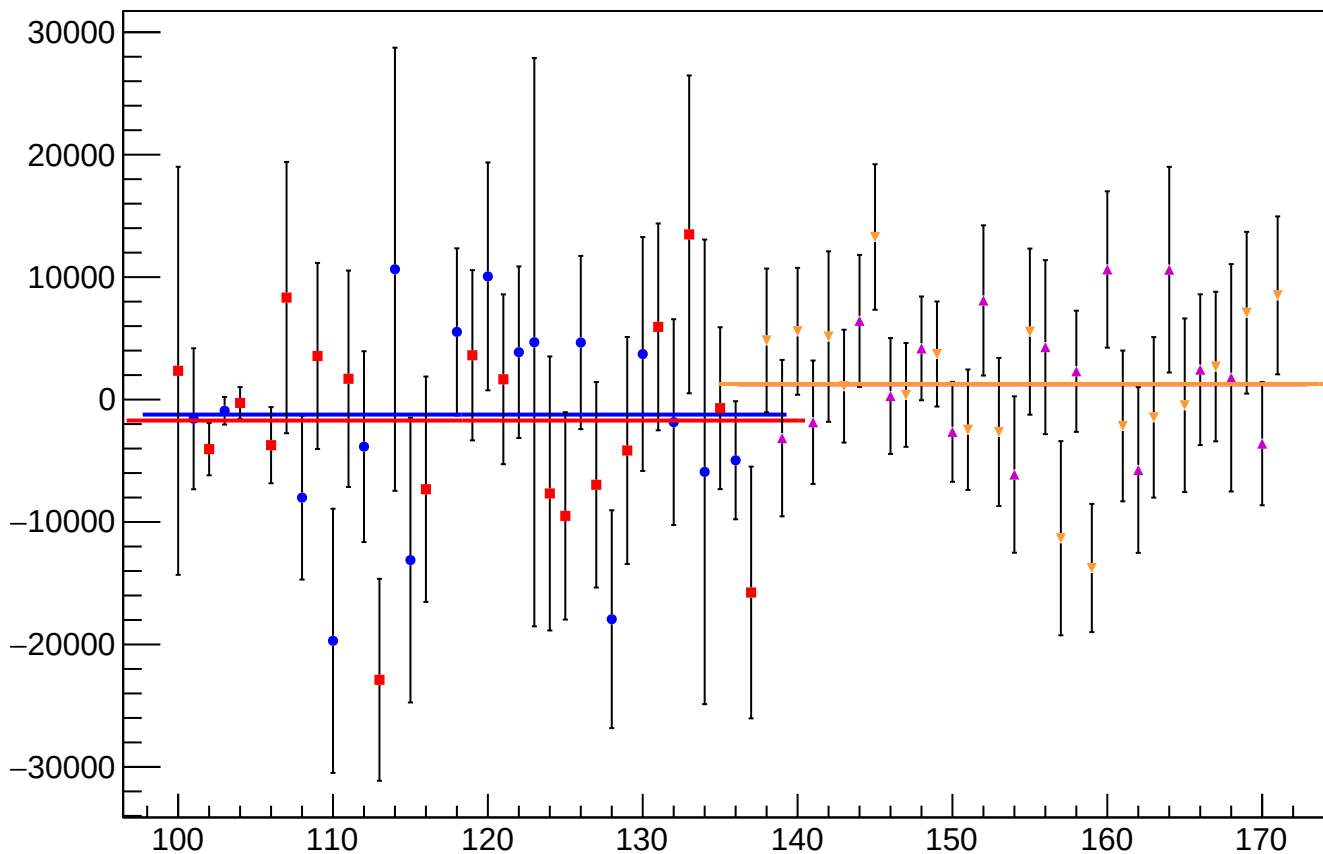
Right: 1908.946+/-0.370 χ^2/NDF : 653591.4/35

In: 1807.986+/-0.294 χ^2/NDF : 350442.9/32

Out: 1825.381+/-0.287 χ^2/NDF : 481682.1/36

All: 1816.888+/-0.205 χ^2/NDF : 833917.4/69

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 1270.954 $\pm$ 1338.324 χ^2 /NDF:20.6/17

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

Left In: 1242.703 $\pm$ 1402.392 χ^2 /NDF:11.4/15

Left: 1257.488 $\pm$ 968.196 χ^2 /NDF: 32.1/33

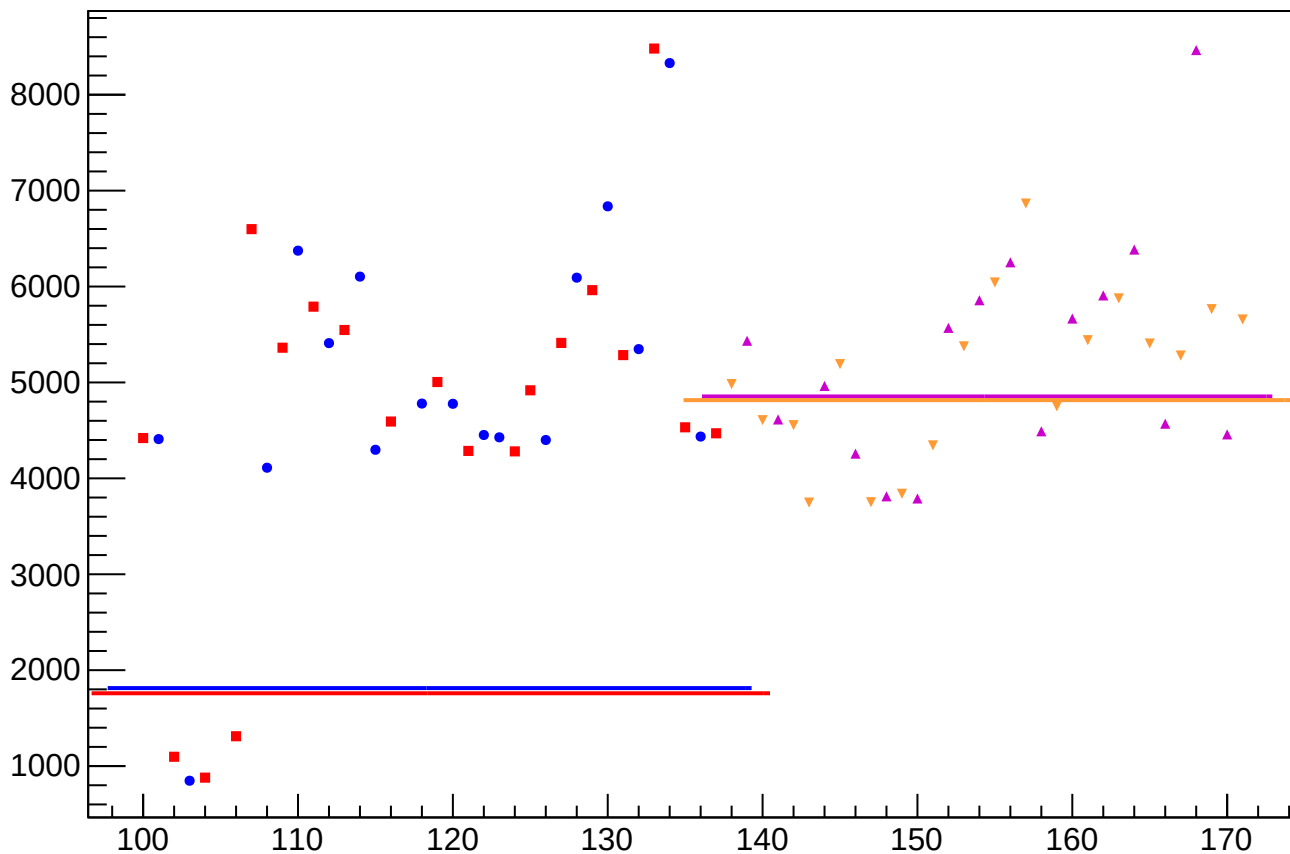
Right: -1480.155 $\pm$ 680.499 χ^2 /NDF: 31.8/35

In: -411.508 $\pm$ 805.827 χ^2 /NDF:27.4/32

Out: -724.184 $\pm$ 770.086 χ^2 /NDF:41.7/36

All: -574.934 $\pm$ 556.739 χ^2 /NDF: 69.2/69

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4815.525+/-0.946 χ^2/NDF : 761344.5/17

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

Left In: 4853.981+/-0.992 χ^2/NDF : 941869.0/15

Left: 4833.855+/-0.685 χ^2/NDF : 1704000.6/33

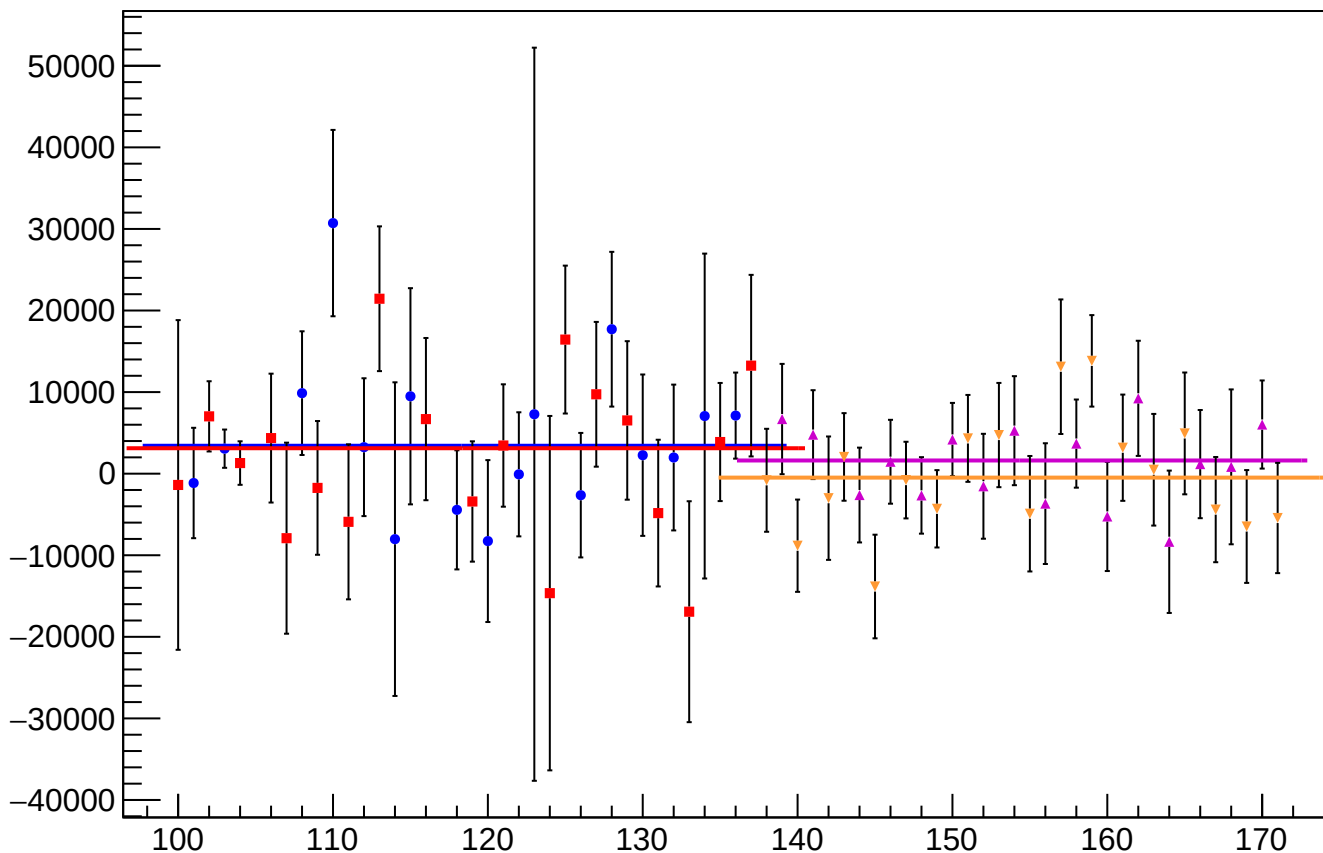
Right: 1784.958+/-0.481 χ^2/NDF : 12765256.3/35

In: 2817.188+/-0.570 χ^2/NDF : 13689216.4/32

Out: 2771.096+/-0.545 χ^2/NDF : 14051722.4/36

All: 2793.097+/-0.394 χ^2/NDF : 27744358.7/69

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -483.069+/-1444.769 χ^2/NDF :21.2/17

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

Left In: 1617.149+/-1505.858 χ^2/NDF :8.0/15

Left: 523.576+/-1042.534 χ^2/NDF : 30.2/33

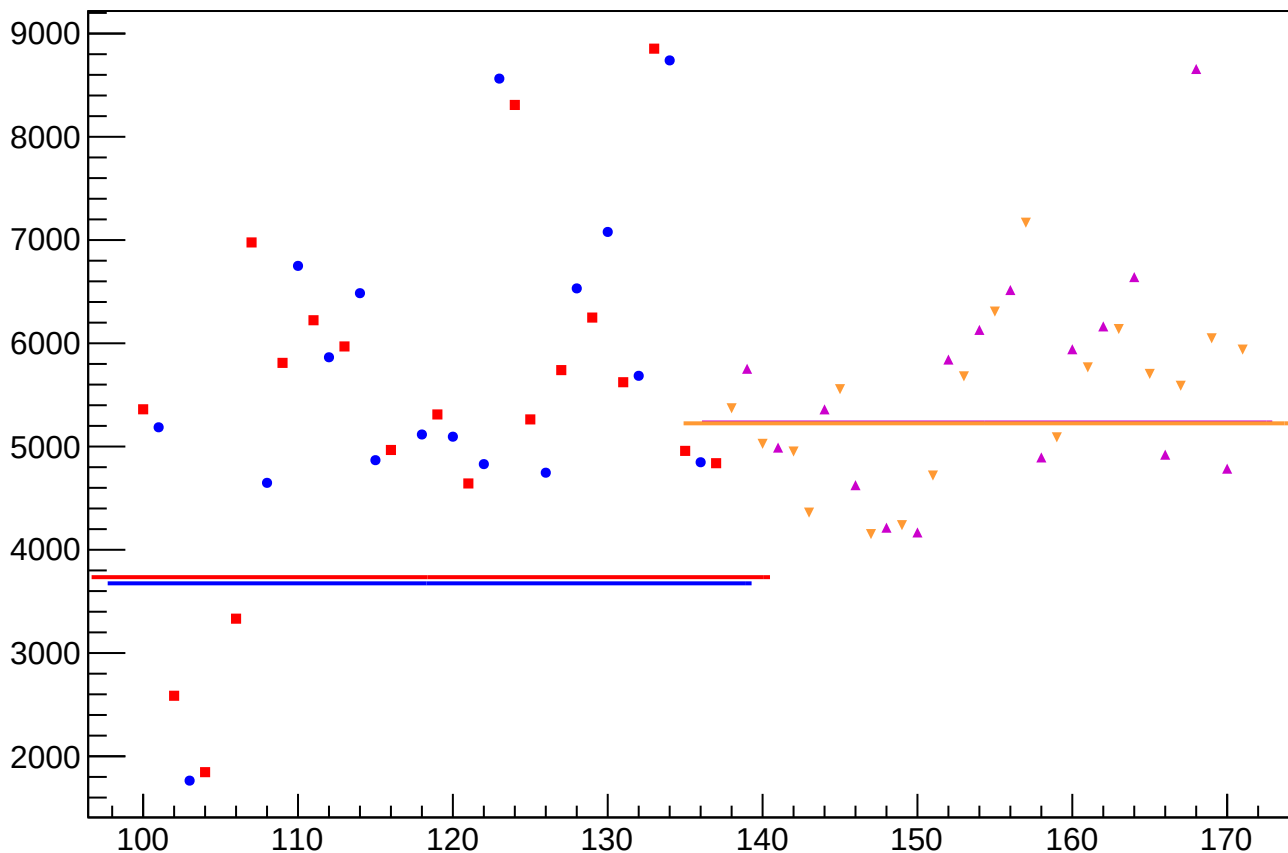
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2460.830+/-1098.717 χ^2/NDF :22.4/32

Out: 1127.695+/-1074.077 χ^2/NDF :40.0/36

All: 1779.147+/-768.051 χ^2/NDF : 63.1/69

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2 /NDF: 2775085.7/16

Left Out: 5224.780 $\pm$ 1.022 χ^2 /NDF: 556299.5/17

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

Left In: 5232.980 $\pm$ 1.065 χ^2 /NDF: 761505.9/15

Left: 5228.710 $\pm$ 0.737 χ^2 /NDF: 1317836.3/33

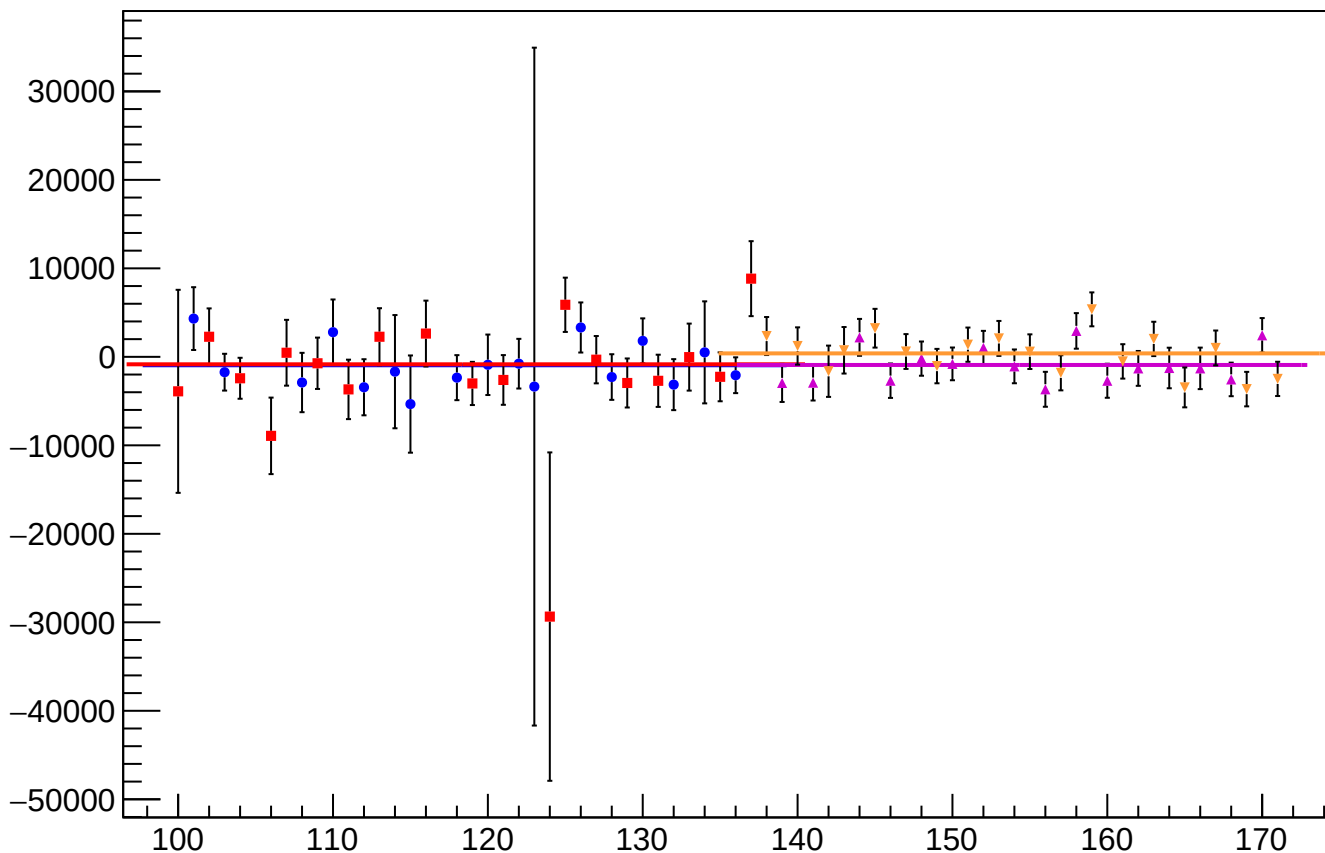
Right: 3705.112 $\pm$ 0.800 χ^2 /NDF: 5470409.5/35

In: 4504.404 $\pm$ 0.777 χ^2 /NDF: 4537738.3/32

Out: 4553.369 $\pm$ 0.757 χ^2 /NDF: 4208752.3/36

All: 4529.515 $\pm$ 0.542 χ^2 /NDF: 8748527.7/69

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left Out: 390.431 ± 484.209 χ^2/NDF : 23.2/17

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

Left In: -918.701 ± 499.399 χ^2/NDF : 16.4/15

Left: -243.922 ± 347.634 χ^2/NDF : 43.1/33

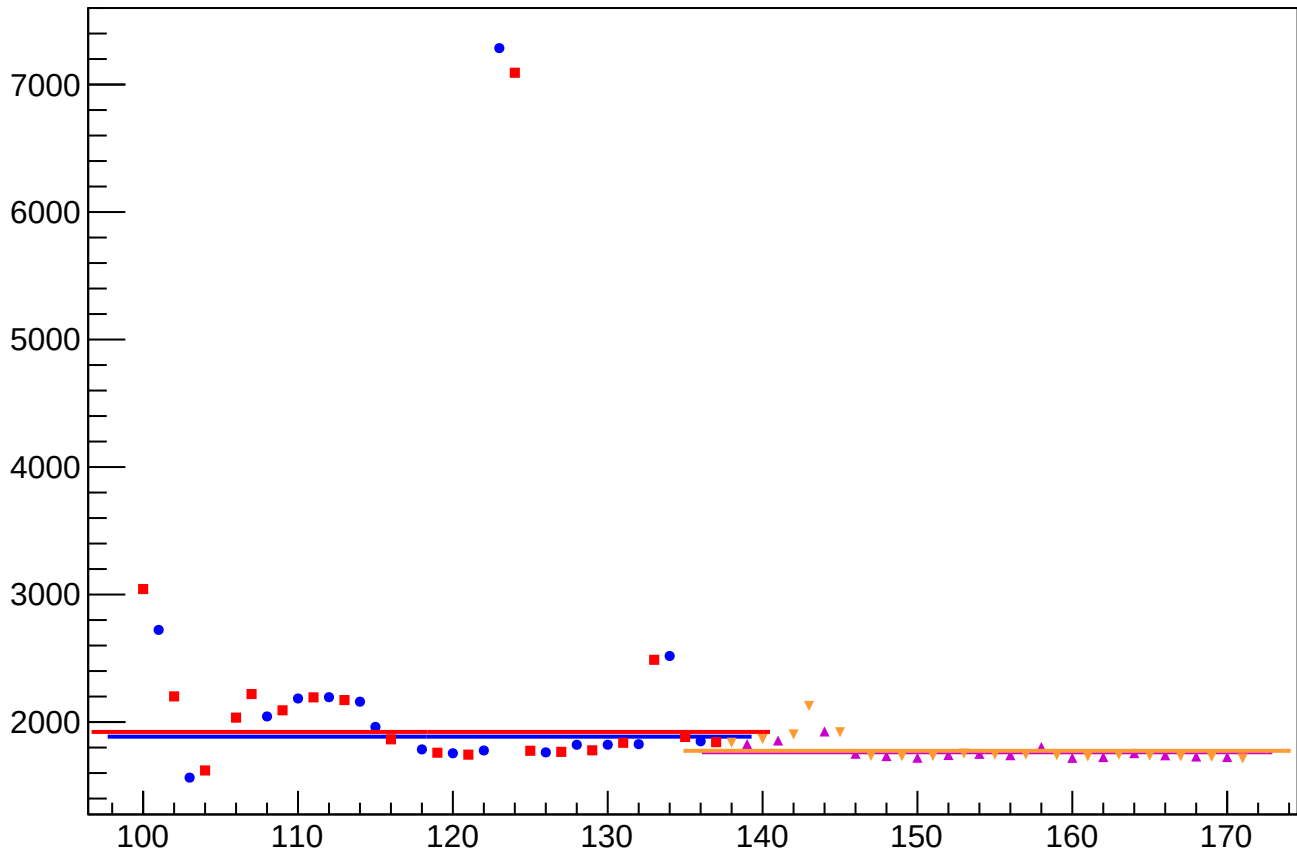
Right: -897.217 ± 522.617 χ^2/NDF : 32.5/35

In: -928.914 ± 414.069 χ^2/NDF : 26.4/32

Out: 18.762 ± 404.770 χ^2/NDF : 47.6/36

All: -444.314 ± 289.447 χ^2/NDF : 76.7/69

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1774.443+/-0.342 χ^2/NDF : 65022.7/17

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

Left In: 1762.967+/-0.353 χ^2/NDF : 24650.2/15

Left: 1768.882+/-0.246 χ^2/NDF : 90217.2/33

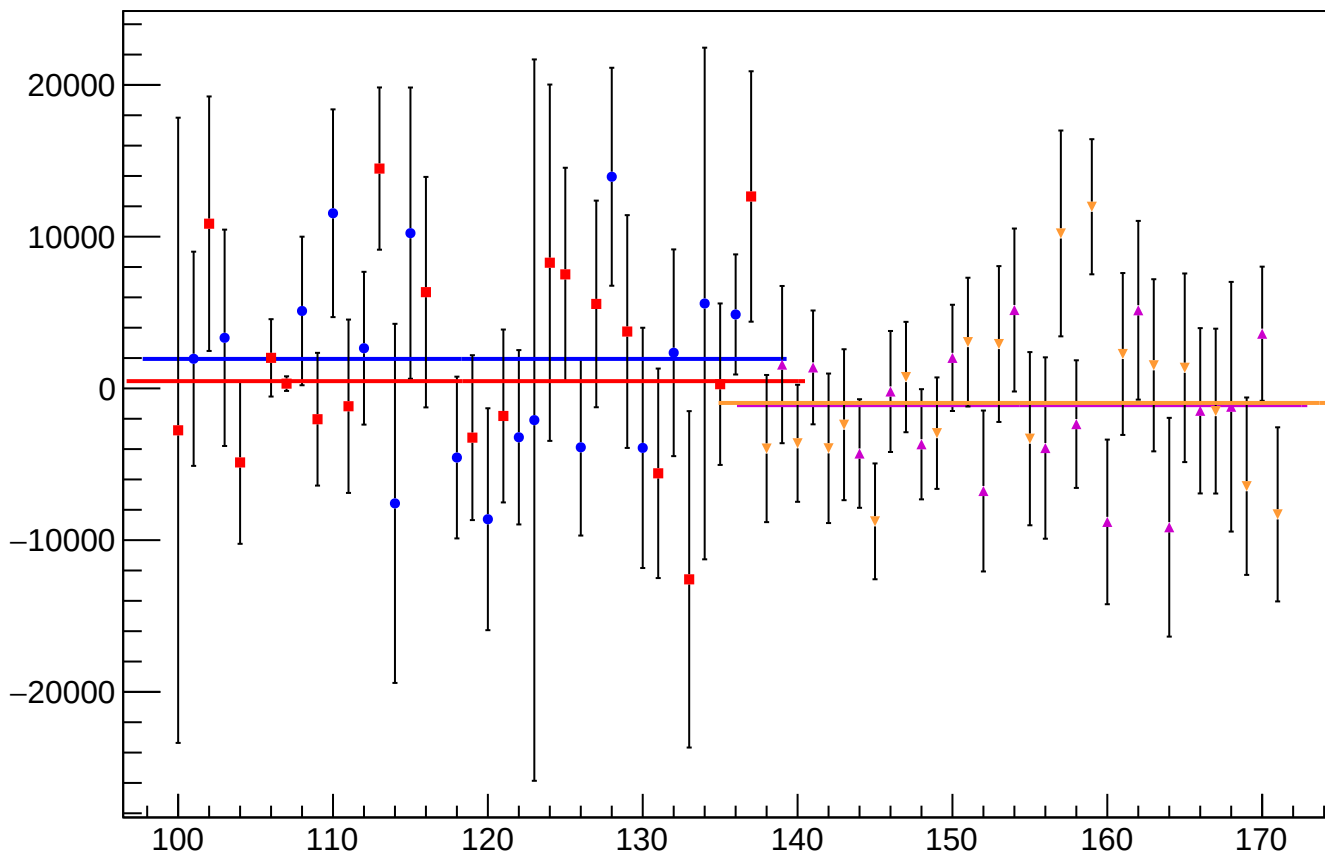
Right: 1904.057+/-0.369 χ^2/NDF : 634475.3/35

In: 1801.219+/-0.293 χ^2/NDF : 342623.7/32

Out: 1819.147+/-0.286 χ^2/NDF : 473009.6/36

All: 1810.391+/-0.205 χ^2/NDF : 817551.4/69

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -958.580+/-1123.847 χ^2/NDF :22.0/17

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

Left In: -1103.390+/-1159.908 χ^2/NDF :11.2/15

Left: -1028.699+/-807.127 χ^2/NDF : 33.2/33

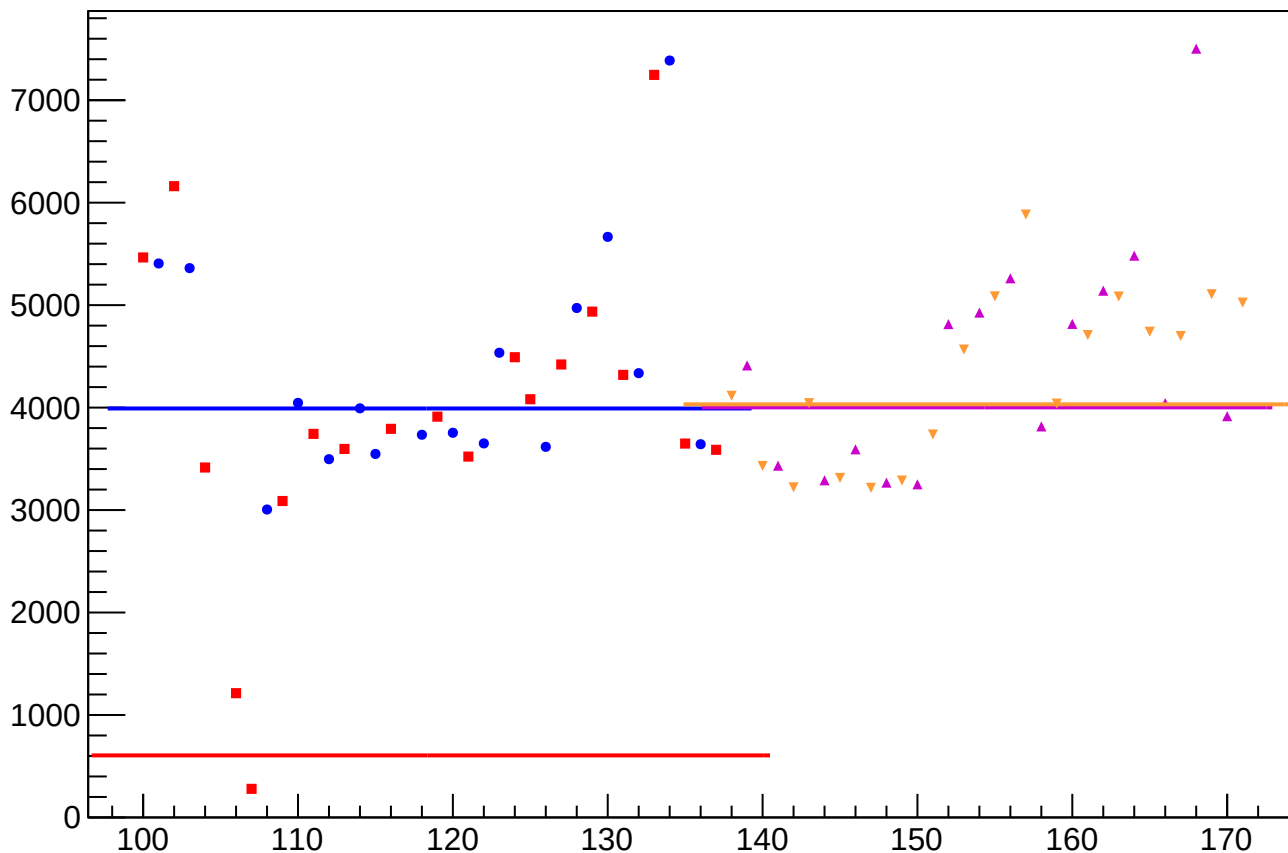
Right: 590.230+/-436.086 χ^2/NDF : 32.0/35

In: -37.417+/-935.225 χ^2/NDF :26.8/32

Out: 277.406+/-420.698 χ^2/NDF :41.5/36

All: 224.422+/-383.667 χ^2/NDF : 68.4/69

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 4031.796+/-0.795 χ^2/NDF : 889813.0/17

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

Left In: 4002.184+/-0.820 χ^2/NDF : 1098944.5/15

Left: 4017.457+/-0.571 χ^2/NDF : 1989429.8/33

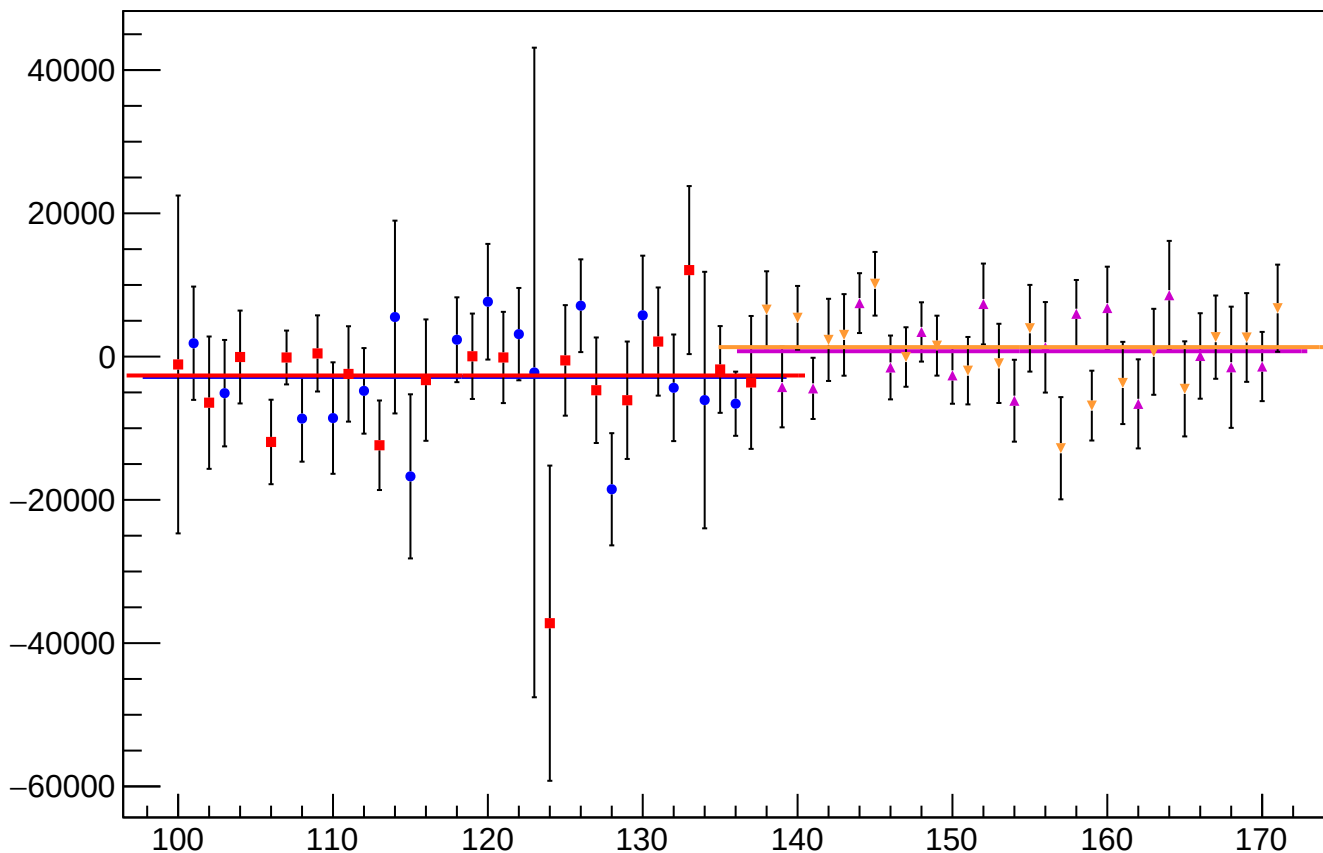
Right: 863.300+/-0.308 χ^2/NDF : 19230863.1/35

In: 3998.417+/-0.661 χ^2/NDF : 1609787.5/32

Out: 1085.821+/-0.297 χ^2/NDF : 27118736.7/36

All: 1576.003+/-0.271 χ^2/NDF : 44861947.7/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 ± 1786.019 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 1323.762 ± 1247.302 $\chi^2/\text{NDF}: 16.0/17$

Right Out: -2637.071 ± 1575.105 $\chi^2/\text{NDF}: 11.2/18$

Left In: 749.893 ± 1284.416 $\chi^2/\text{NDF}: 14.1/15$

Left: 1045.238 ± 894.809 $\chi^2/\text{NDF}: 30.2/33$

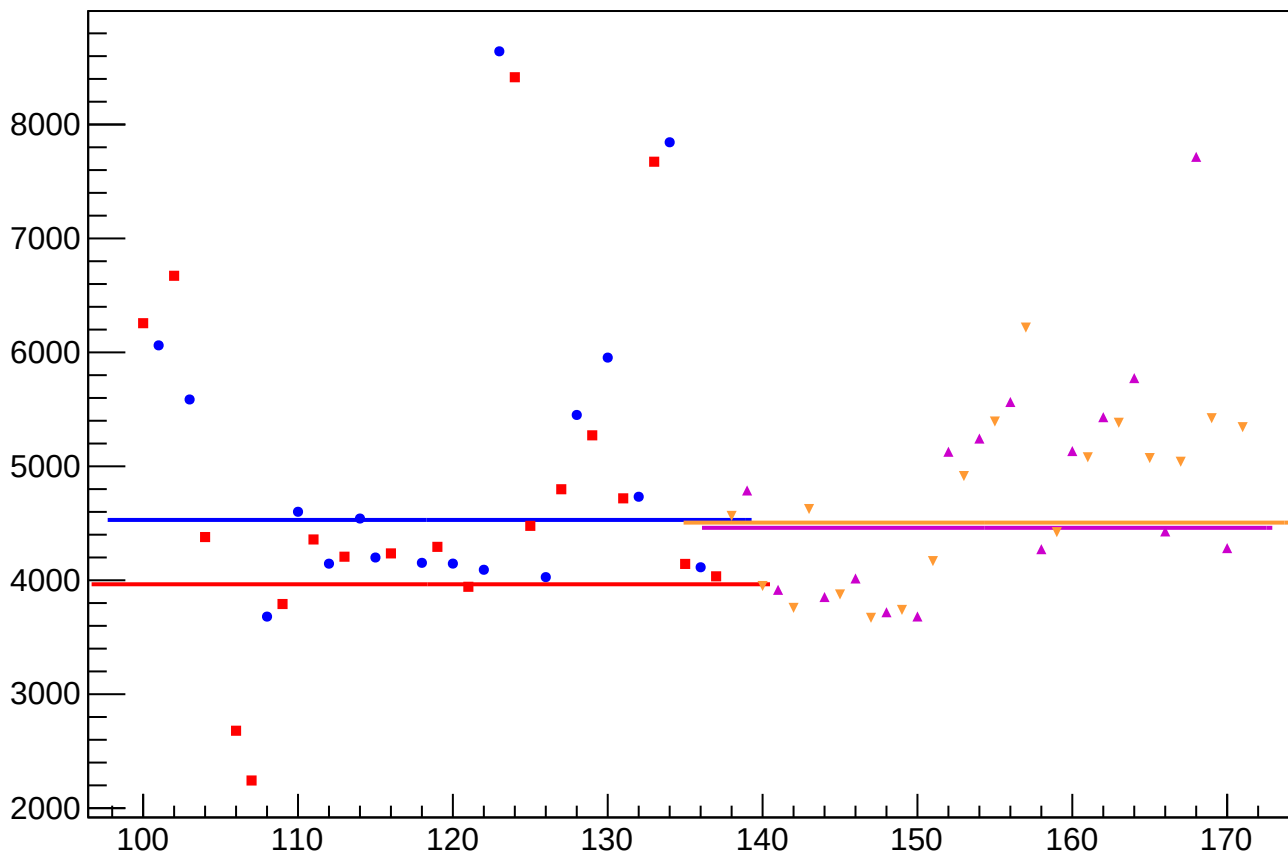
Right: -2725.676 ± 1181.334 $\chi^2/\text{NDF}: 26.6/35$

In: -473.697 ± 1042.768 $\chi^2/\text{NDF}: 32.2/32$

Out: -202.754 ± 977.838 $\chi^2/\text{NDF}: 31.1/36$

All: -329.528 ± 713.286 $\chi^2/\text{NDF}: 63.3/69$

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4506.027 $\pm$ 0.882 χ^2 /NDF: 610415.7/17

Right Out: 3964.829 $\pm$ 1.107 χ^2 /NDF: 1140409.6/18

Left In: 4460.269 $\pm$ 0.908 χ^2 /NDF: 807468.5/15

Left: 4483.819 $\pm$ 0.633 χ^2 /NDF: 1419190.6/33

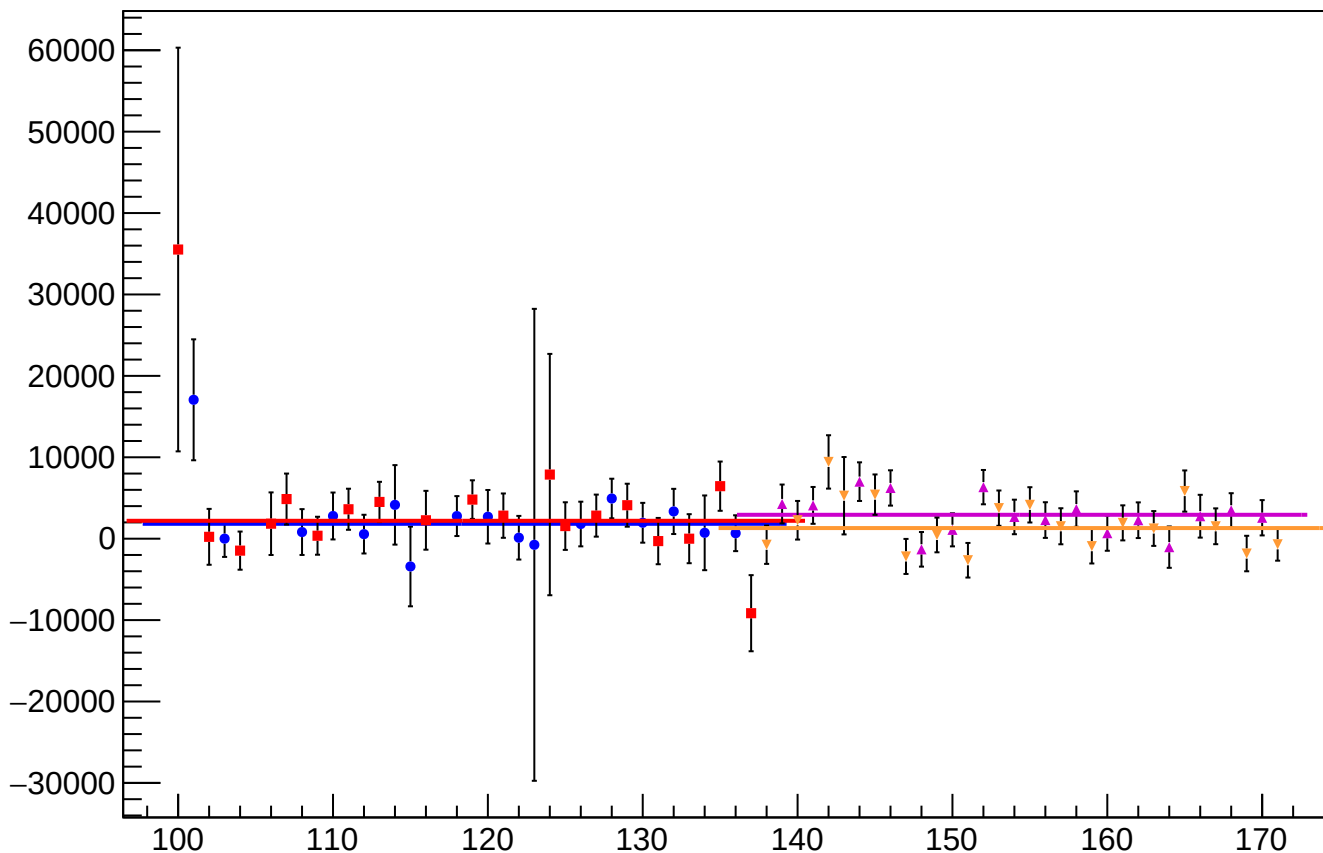
Right: 4210.073 $\pm$ 0.832 χ^2 /NDF: 1642804.6/35

In: 4483.856 $\pm$ 0.737 χ^2 /NDF: 1198773.2/32

Out: 4295.802 $\pm$ 0.690 χ^2 /NDF: 1897086.2/36

All: 4383.560 $\pm$ 0.504 χ^2 /NDF: 3130550.6/69

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1304.355 $\pm$ 540.608 χ^2 /NDF:27.2/17

Right Out: 2198.063 $\pm$ 684.205 χ^2 /NDF: 18.3/18

Left In: 2935.014 $\pm$ 554.462 χ^2 /NDF:17.2/15

Left: 2099.057 $\pm$ 387.073 χ^2 /NDF: 48.8/33

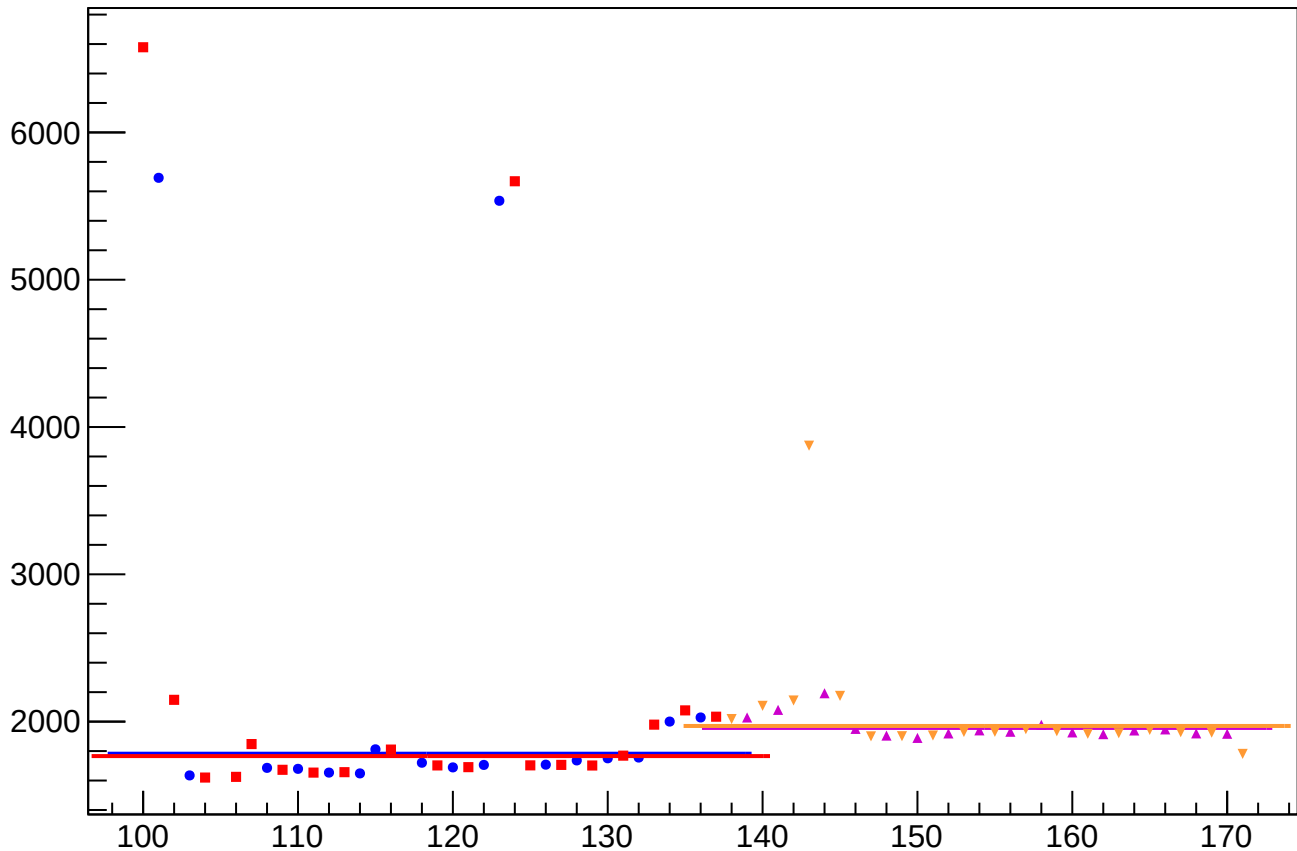
Right: 2021.233 $\pm$ 493.118 χ^2 /NDF: 28.2/35

In: 2517.420 $\pm$ 437.308 χ^2 /NDF:28.3/32

Out: 1647.851 $\pm$ 424.179 χ^2 /NDF:46.6/36

All: 2069.387 $\pm$ 304.476 χ^2 /NDF: 77.0/69

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 1970.480+/-0.382 χ^2/NDF : 377313.8/17

Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

Left In: 1957.082+/-0.392 χ^2/NDF : 34543.4/15

Left: 1963.950+/-0.274 χ^2/NDF : 412455.9/33

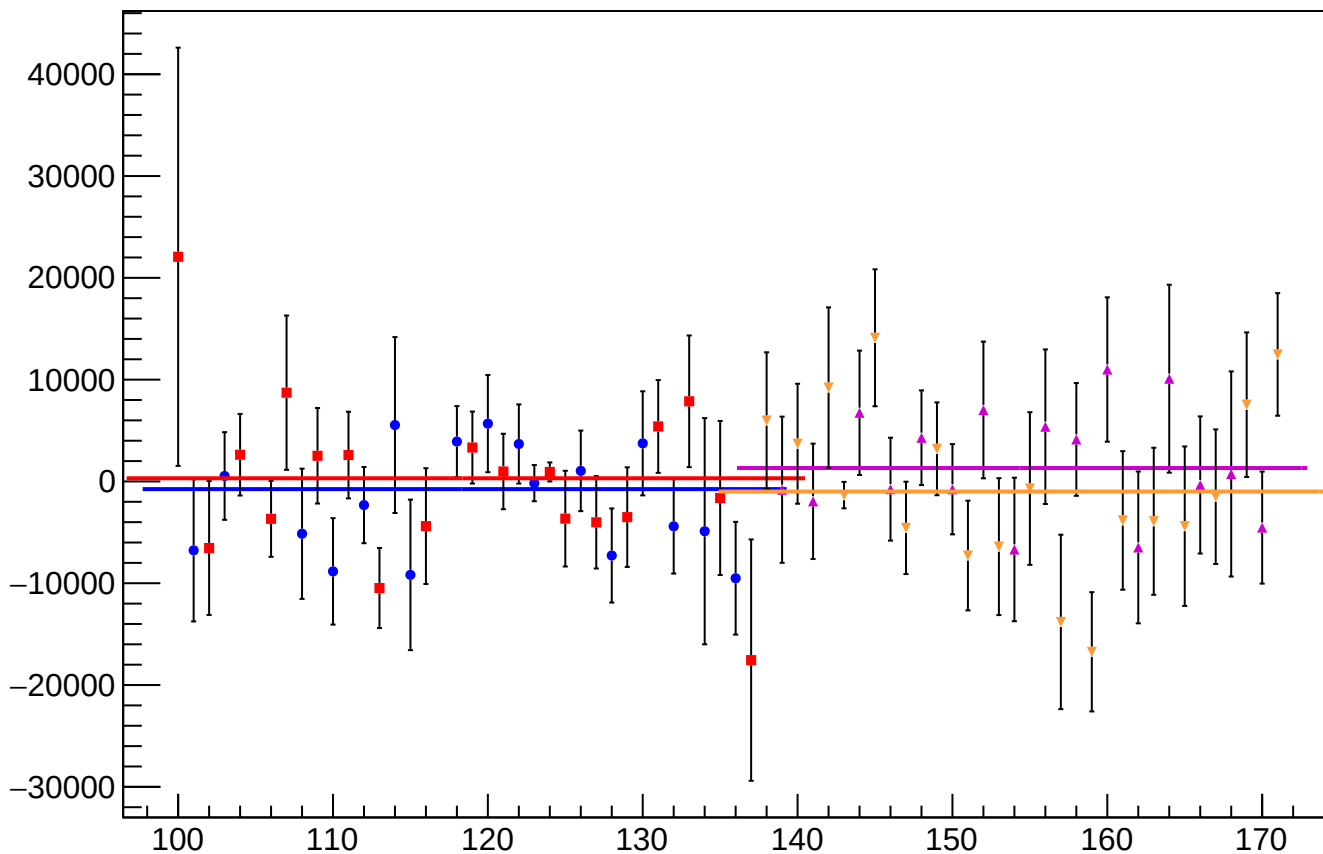
Right: 1773.682+/-0.347 χ^2/NDF : 952527.4/35

In: 1890.962+/-0.309 χ^2/NDF : 754983.6/32

Out: 1891.209+/-0.299 χ^2/NDF : 795054.3/36

All: 1891.090+/-0.215 χ^2/NDF : 1550038.2/69

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428 $\pm$ 1008.523 χ^2 /NDF: 16.9/16

Left Out: -991.008 $\pm$ 988.626 χ^2 /NDF:28.4/17

Right Out: 311.405 $\pm$ 725.132 χ^2 /NDF: 22.0/18

Left In: 1317.392 $\pm$ 1542.332 χ^2 /NDF:9.6/15

Left: -318.757 $\pm$ 832.316 χ^2 /NDF: 39.6/33

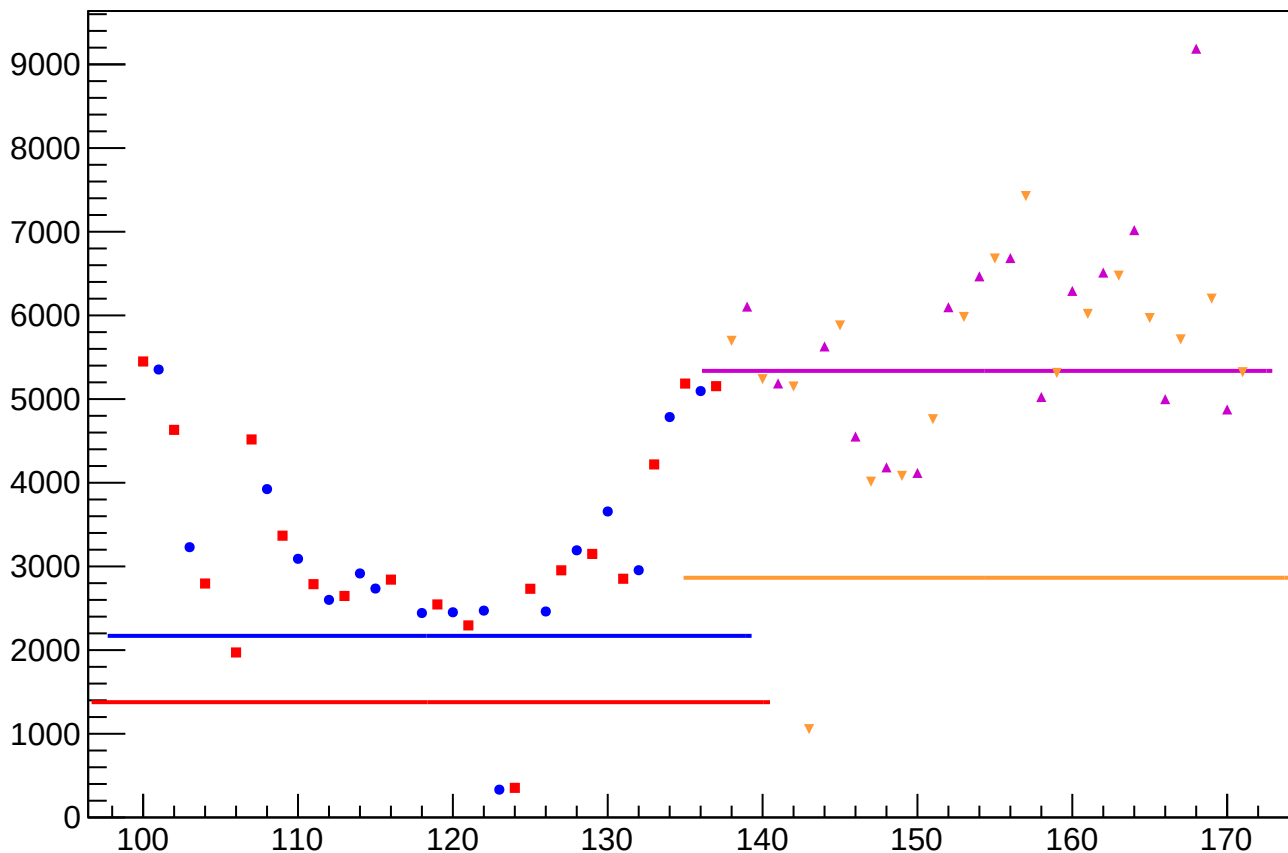
Right: -51.479 $\pm$ 588.747 χ^2 /NDF: 39.7/35

In: -133.190 $\pm$ 844.084 χ^2 /NDF:27.8/32

Out: -144.177 $\pm$ 584.711 χ^2 /NDF:51.6/36

All: -140.614 $\pm$ 480.653 χ^2 /NDF: 79.4/69

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 2864.395 $\pm$ 0.699 χ^2 /NDF:9902673.2/17

Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

Left In: 5337.075 $\pm$ 1.091 χ^2 /NDF:961491.2/15

Left: 3584.487 $\pm$ 0.589 χ^2 /NDF: 14507688.5/33

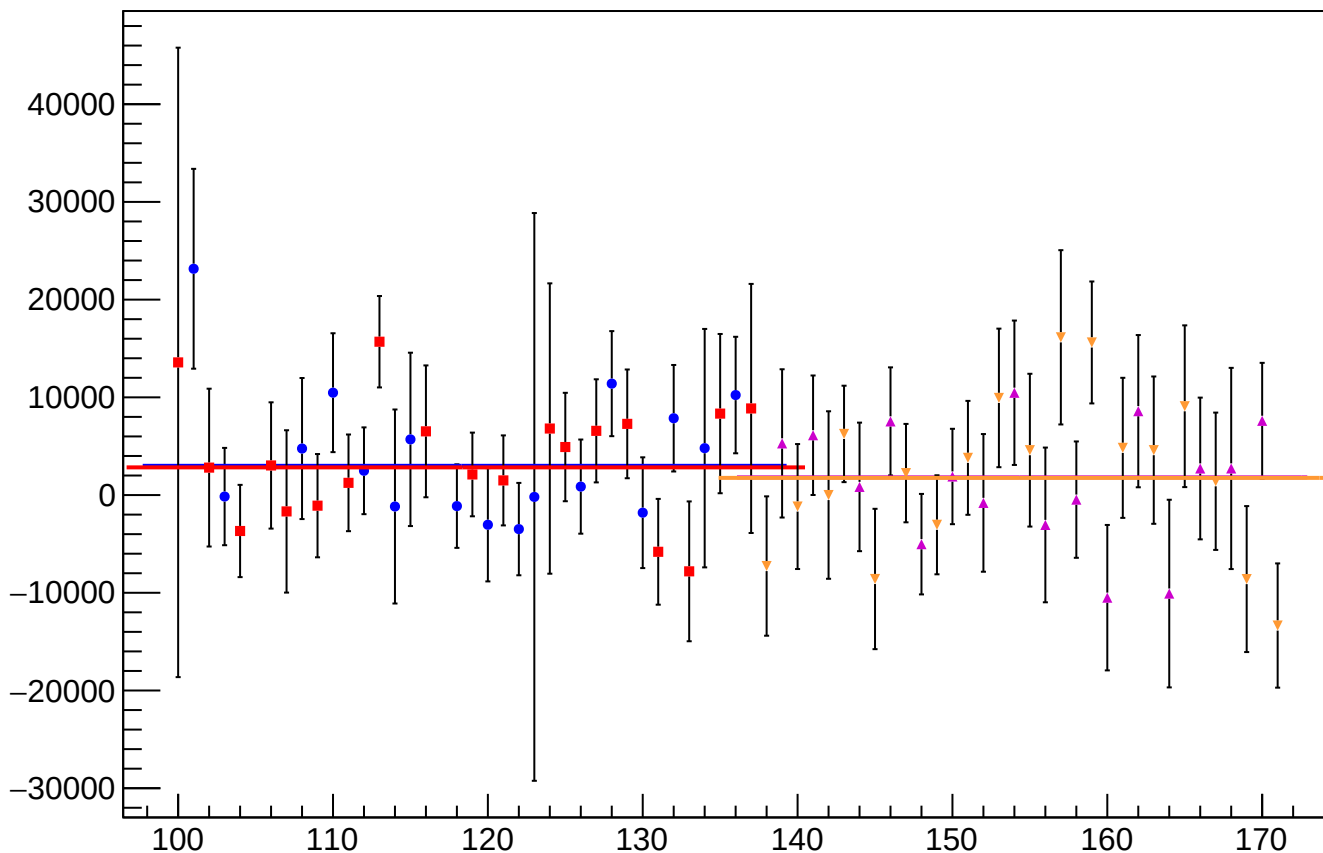
Right: 1647.801 $\pm$ 0.416 χ^2 /NDF: 11635181.2/35

In: 3118.750 $\pm$ 0.597 χ^2 /NDF:10841638.4/32

Out: 1897.754 $\pm$ 0.413 χ^2 /NDF:19690654.2/36

All: 2293.672 $\pm$ 0.340 χ^2 /NDF: 33360213.6/66

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1759.106 $\pm$ 1552.041 χ^2 /NDF:23.5/17

Right Out: 2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

Left In: 1811.918 $\pm$ 1656.109 χ^2 /NDF:11.6/15

Left: 1783.800 $\pm$ 1132.463 χ^2 /NDF: 35.1/33

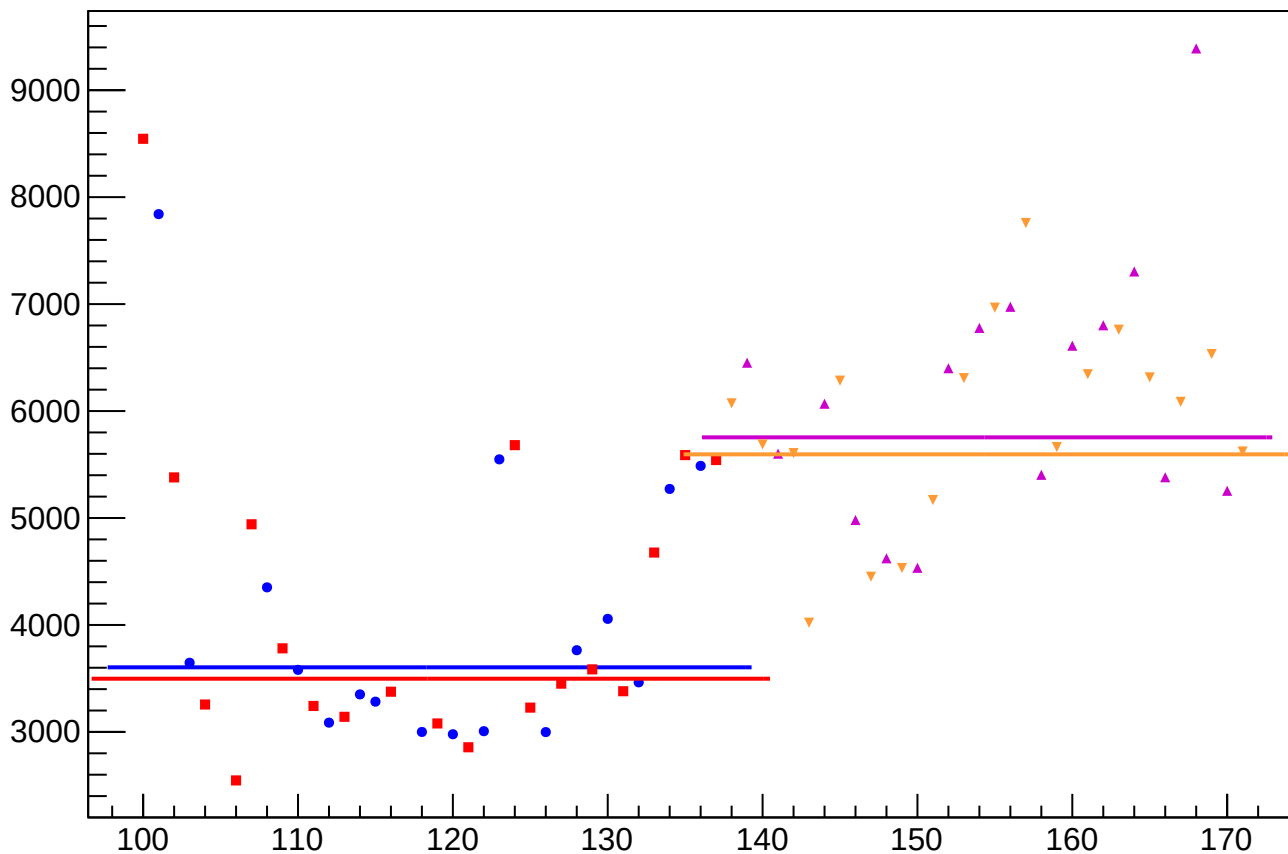
Right: 2909.269 $\pm$ 998.385 χ^2 /NDF: 33.4/35

In: 2481.495 $\pm$ 1089.751 χ^2 /NDF:27.6/32

Out: 2359.418 $\pm$ 1030.919 χ^2 /NDF:41.5/36

All: 2417.072 $\pm$ 748.905 χ^2 /NDF: 69.1/69

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5595.253 ± 1.097 χ^2/NDF : 759059.2/17

Right Out: 3497.586 ± 0.962 χ^2/NDF : 661898.6/18

Left In: 5754.235 ± 1.171 χ^2/NDF : 776872.5/15

Left: 5669.592 ± 0.801 χ^2/NDF : 1545744.4/33

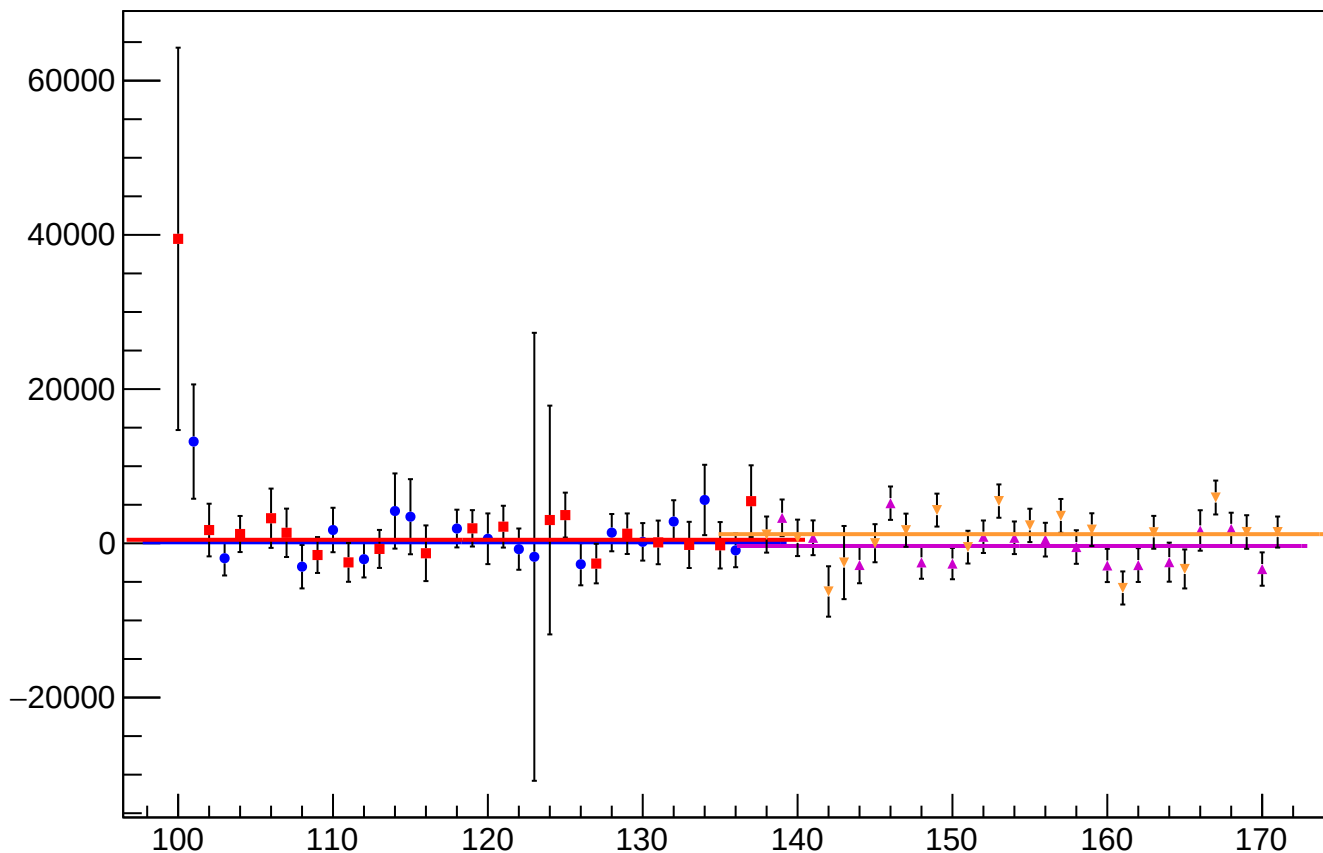
Right: 3547.455 ± 0.701 χ^2/NDF : 1452308.2/35

In: 4534.982 ± 0.771 χ^2/NDF : 3473364.0/32

Out: 4408.640 ± 0.723 χ^2/NDF : 3487618.3/36

All: 4467.814 ± 0.527 χ^2/NDF : 6975274.2/69

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1187.536 $\pm$ 539.506 χ^2 /NDF:32.8/17

Right Out: 459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

Left In: -345.387 $\pm$ 553.497 χ^2 /NDF:20.2/15

Left: 440.694 $\pm$ 386.340 χ^2 /NDF: 56.9/33

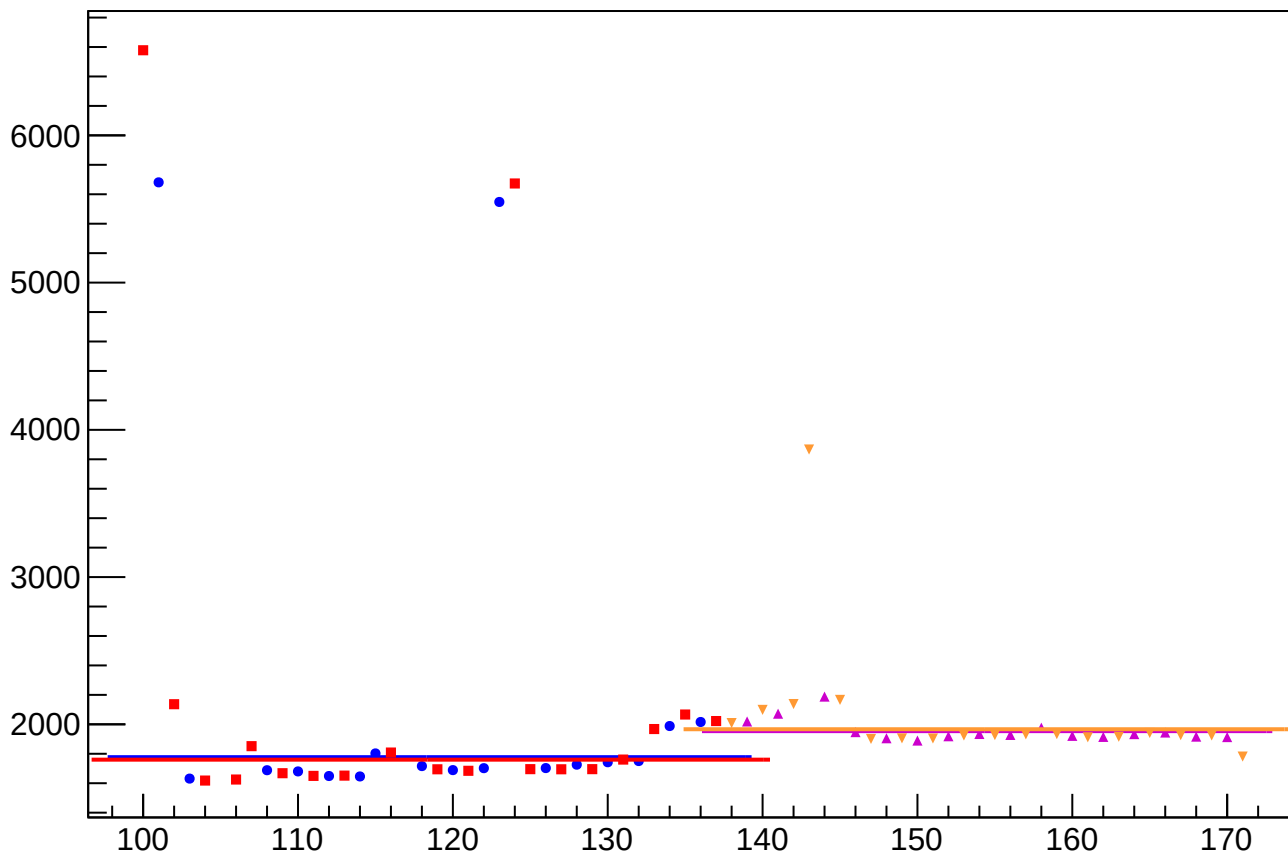
Right: 301.426 $\pm$ 491.524 χ^2 /NDF: 23.0/35

In: -165.092 $\pm$ 436.339 χ^2 /NDF:32.6/32

Out: 907.047 $\pm$ 423.084 χ^2 /NDF:44.2/36

All: 387.511 $\pm$ 303.744 χ^2 /NDF: 80.0/69

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1966.622+/-0.381 χ^2/NDF : 374837.5/17

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

Left In: 1953.736+/-0.391 χ^2/NDF : 33493.0/15

Left: 1960.344+/-0.273 χ^2/NDF : 408886.3/33

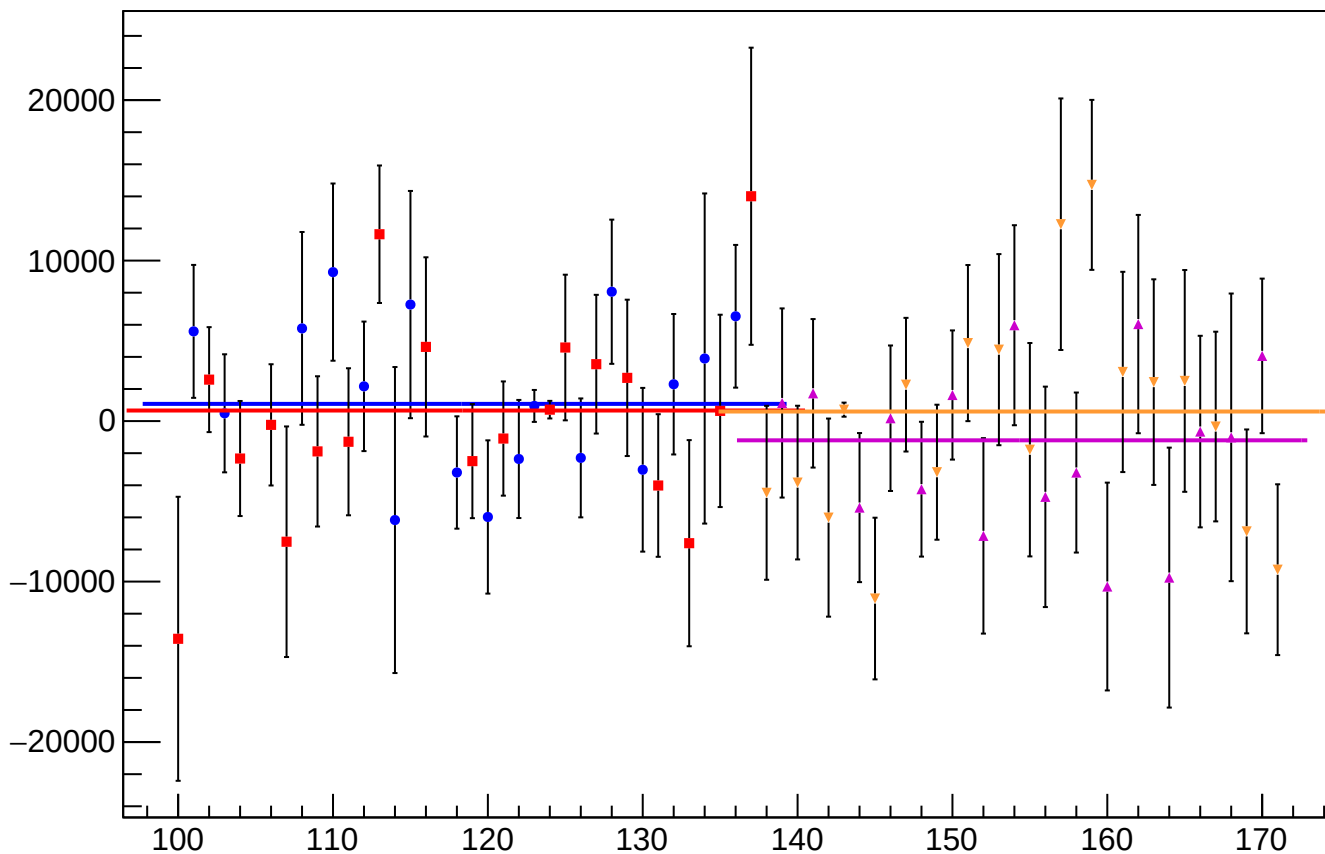
Right: 1768.045+/-0.346 χ^2/NDF : 950324.7/35

In: 1886.790+/-0.309 χ^2/NDF : 754364.0/32

Out: 1886.395+/-0.298 χ^2/NDF : 794899.6/36

All: 1886.586+/-0.214 χ^2/NDF : 1549264.4/69

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 596.664+/-416.903 χ^2/NDF : 25.1/17

Right Out: 658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: -1198.389+/-1351.468 χ^2/NDF : 10.6/15

Left: 440.688+/-398.379 χ^2/NDF : 37.3/33

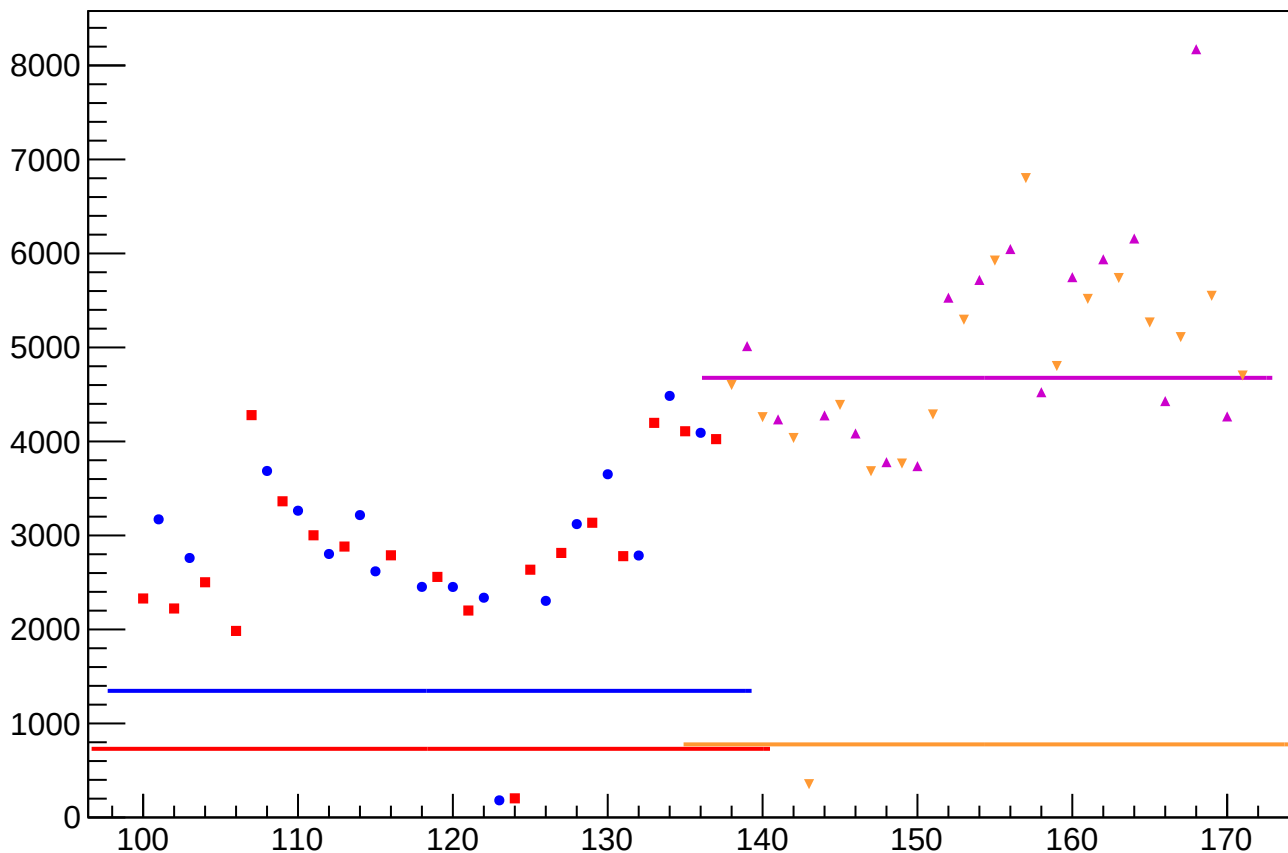
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 535.083+/-657.308 χ^2/NDF : 28.3/32

Out: 622.861+/-316.989 χ^2/NDF : 44.9/36

All: 606.298+/-285.522 χ^2/NDF : 73.2/69

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 777.348 $\pm$ 0.295 χ^2 /NDF: 19701254.0/17

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

Left In: 4676.714 $\pm$ 0.956 χ^2 /NDF: 963300.2/15

Left: 1116.173 $\pm$ 0.282 χ^2 /NDF: 35867523.7/33

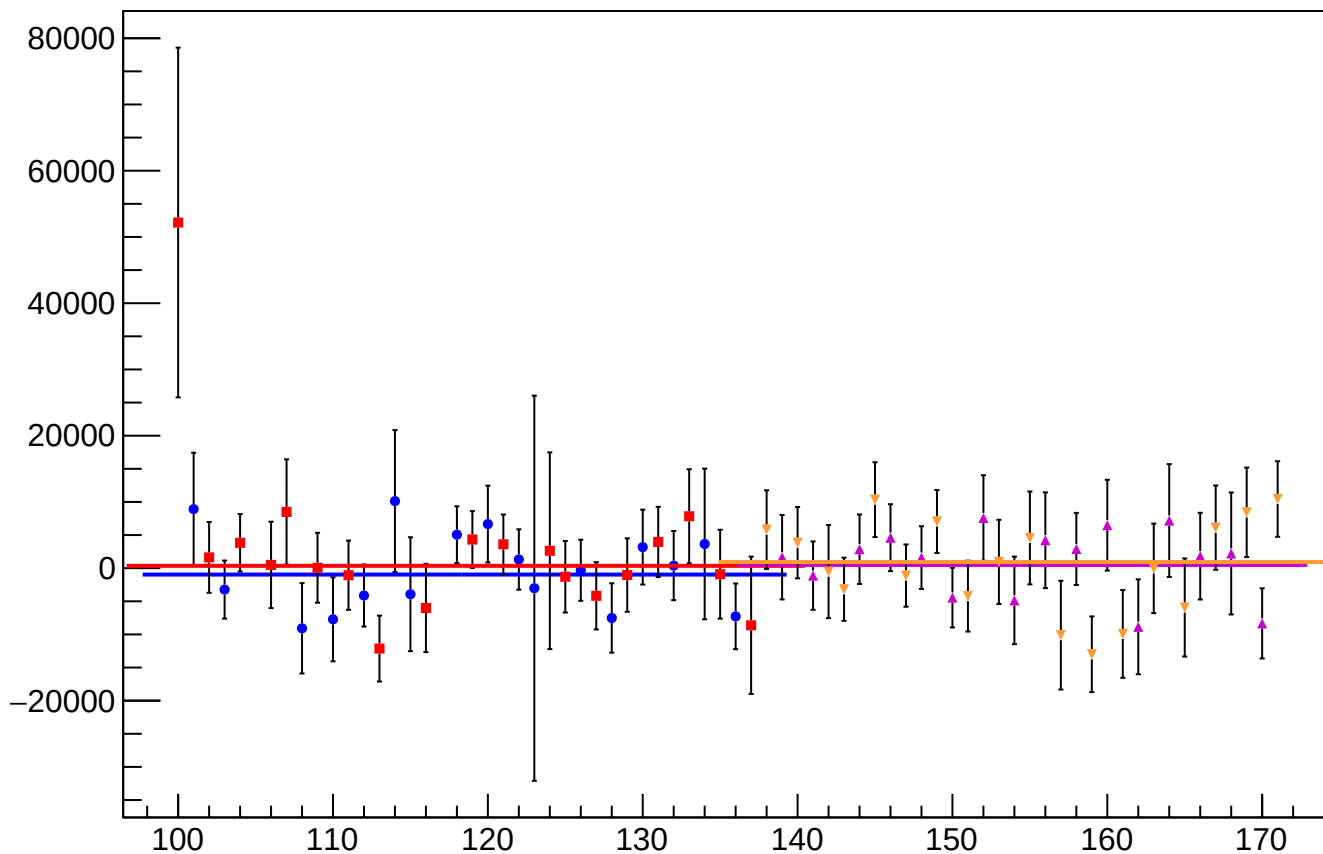
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2134.526 $\pm$ 0.465 χ^2 /NDF: 17071873.7/32

Out: 757.423 $\pm$ 0.224 χ^2 /NDF: 29215209.5/36

All: 1017.263 $\pm$ 0.202 χ^2 /NDF: 53409266.5/66

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 ± 1395.626 $\chi^2/\text{NDF}: 13.7/16$

Left Out: 929.315 ± 1395.112 $\chi^2/\text{NDF}: 23.6/17$

Right Out: 354.646 ± 1329.760 $\chi^2/\text{NDF}: 17.6/18$

Left In: 487.100 ± 1479.833 $\chi^2/\text{NDF}: 10.5/15$

Left: 721.228 ± 1015.123 $\chi^2/\text{NDF}: 34.1/33$

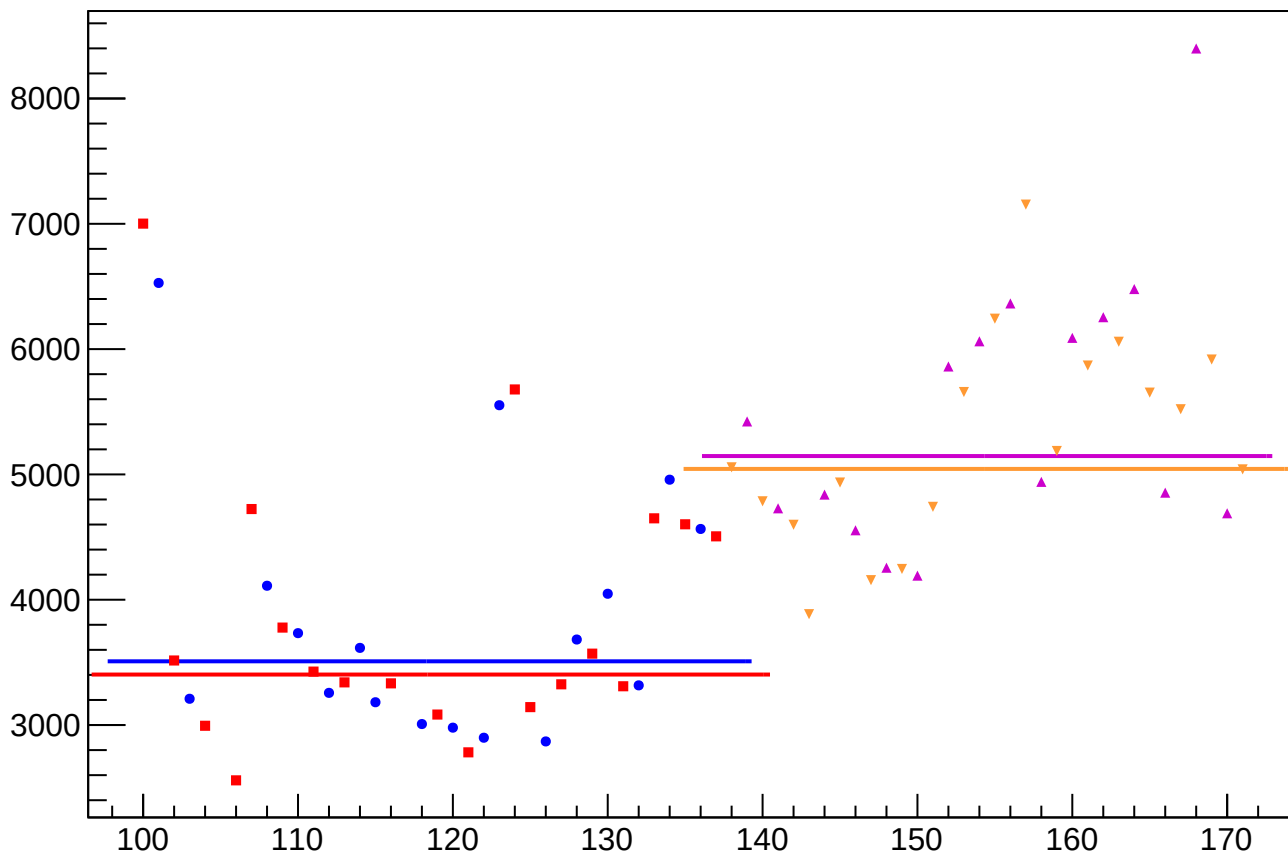
Right: -272.899 ± 962.726 $\chi^2/\text{NDF}: 31.8/35$

In: -280.989 ± 1015.321 $\chi^2/\text{NDF}: 24.8/32$

Out: 628.206 ± 962.557 $\chi^2/\text{NDF}: 41.3/36$

All: 197.846 ± 698.539 $\chi^2/\text{NDF}: 66.5/69$

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 5043.941+/-0.986 χ^2/NDF : 610620.8/17

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

Left In: 5146.570+/-1.046 χ^2/NDF : 737396.5/15

Left: 5092.234+/-0.718 χ^2/NDF : 1353110.3/33

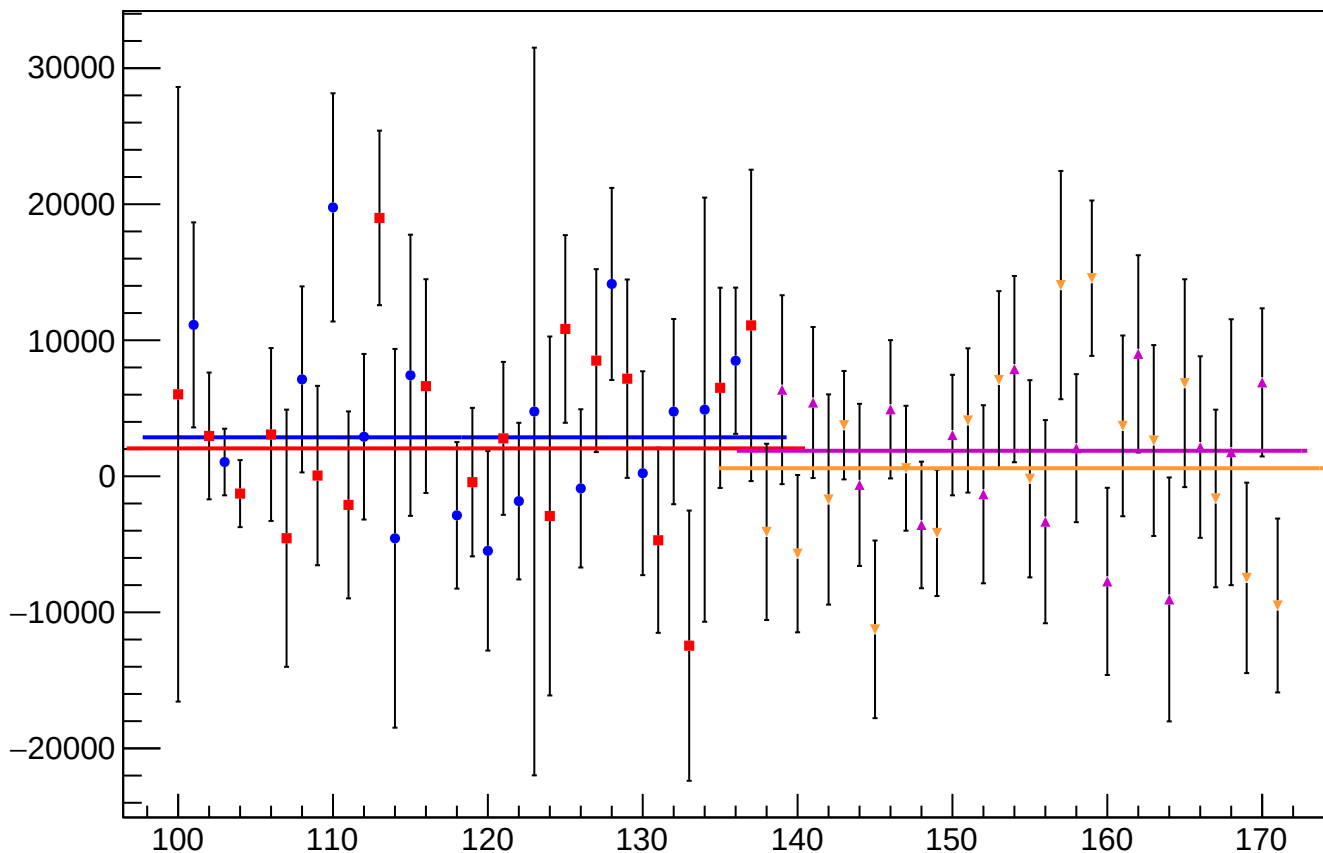
Right: 3452.447+/-0.676 χ^2/NDF : 996829.8/35

In: 4279.592+/-0.718 χ^2/NDF : 2596623.8/32

Out: 4173.418+/-0.676 χ^2/NDF : 2507140.9/36

All: 4223.311+/-0.492 χ^2/NDF : 5115358.0/69

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: 591.816+/-1411.193 χ^2/NDF : 21.7/17

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 1876.893+/-1519.975 χ^2/NDF : 9.6/15

Left: 1186.728+/-1034.185 χ^2/NDF : 31.6/33

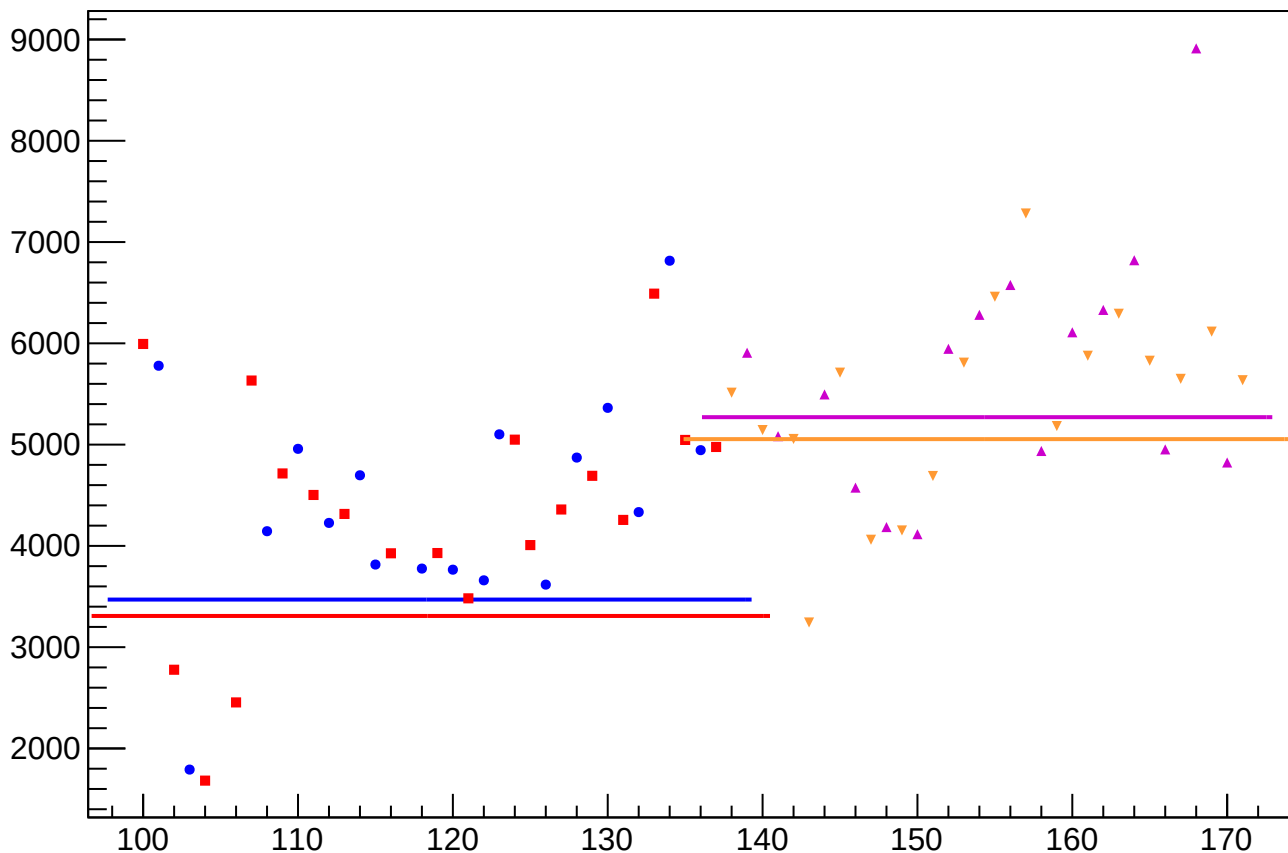
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2393.191+/-1050.176 χ^2/NDF : 23.8/32

Out: 1336.988+/-987.226 χ^2/NDF : 39.9/36

All: 1832.487+/-719.300 χ^2/NDF : 64.3/69

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5054.207 $\pm$ 0.998 χ^2 /NDF: 1058839.2/17

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5270.945 $\pm$ 1.075 χ^2 /NDF: 865426.6/15

Left: 5154.543 $\pm$ 0.731 χ^2 /NDF: 1946105.6/33

Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4329.710 $\pm$ 0.743 χ^2 /NDF: 4093676.7/32

Out: 4154.705 $\pm$ 0.695 χ^2 /NDF: 4546850.7/36

All: 4236.396 $\pm$ 0.507 χ^2 /NDF: 8670142.3/69

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

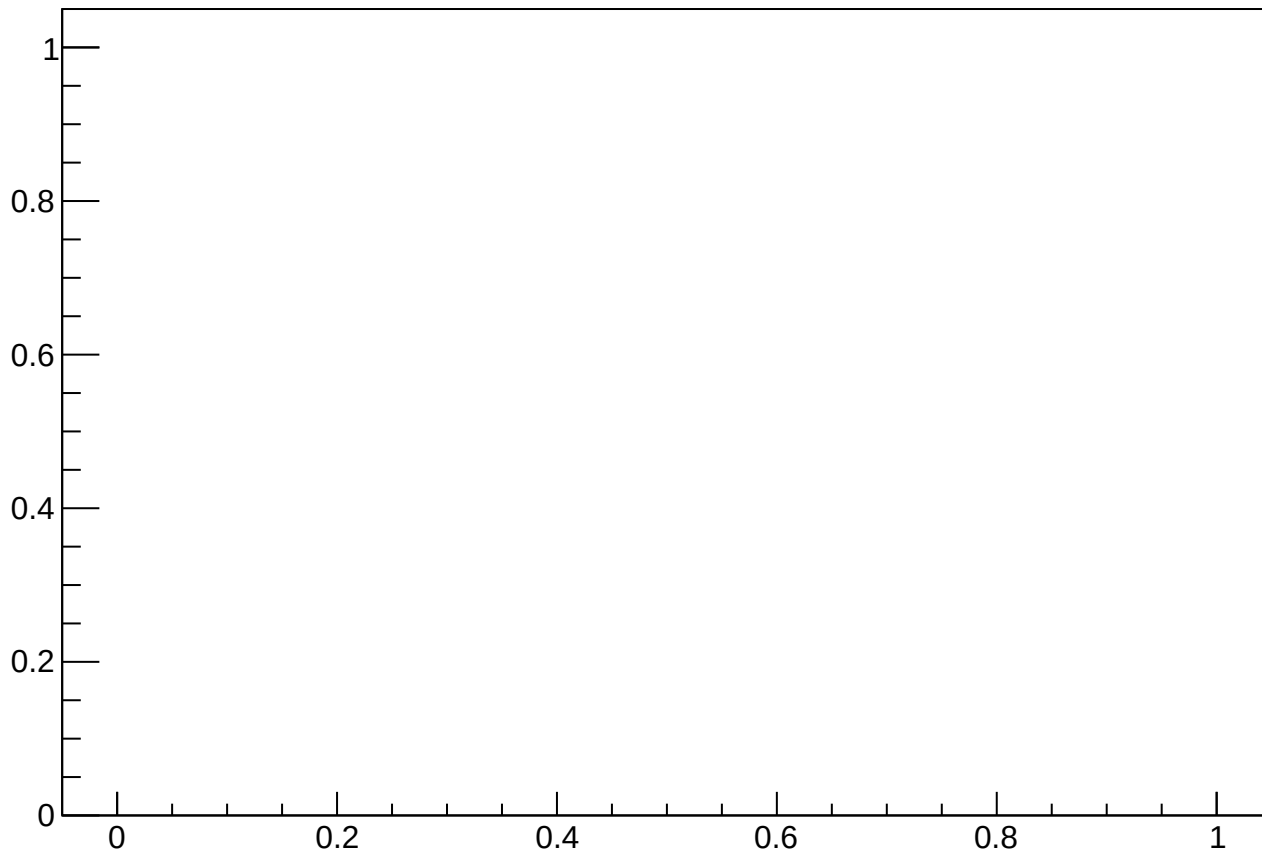
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

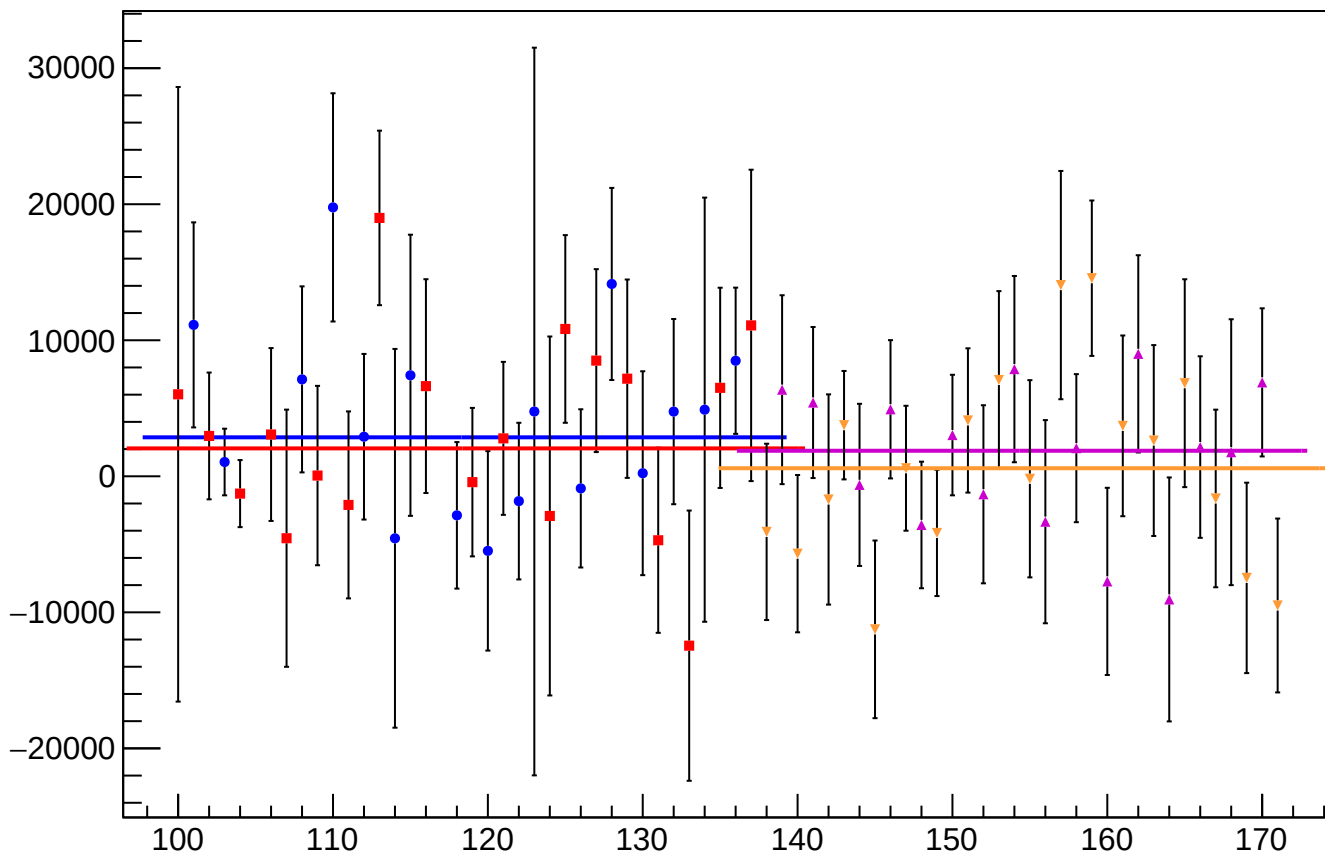
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 591.816+/-1411.193 χ^2/NDF : 21.7/17

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 1876.893+/-1519.975 χ^2/NDF : 9.6/15

Left: 1186.728+/-1034.185 χ^2/NDF : 31.6/33

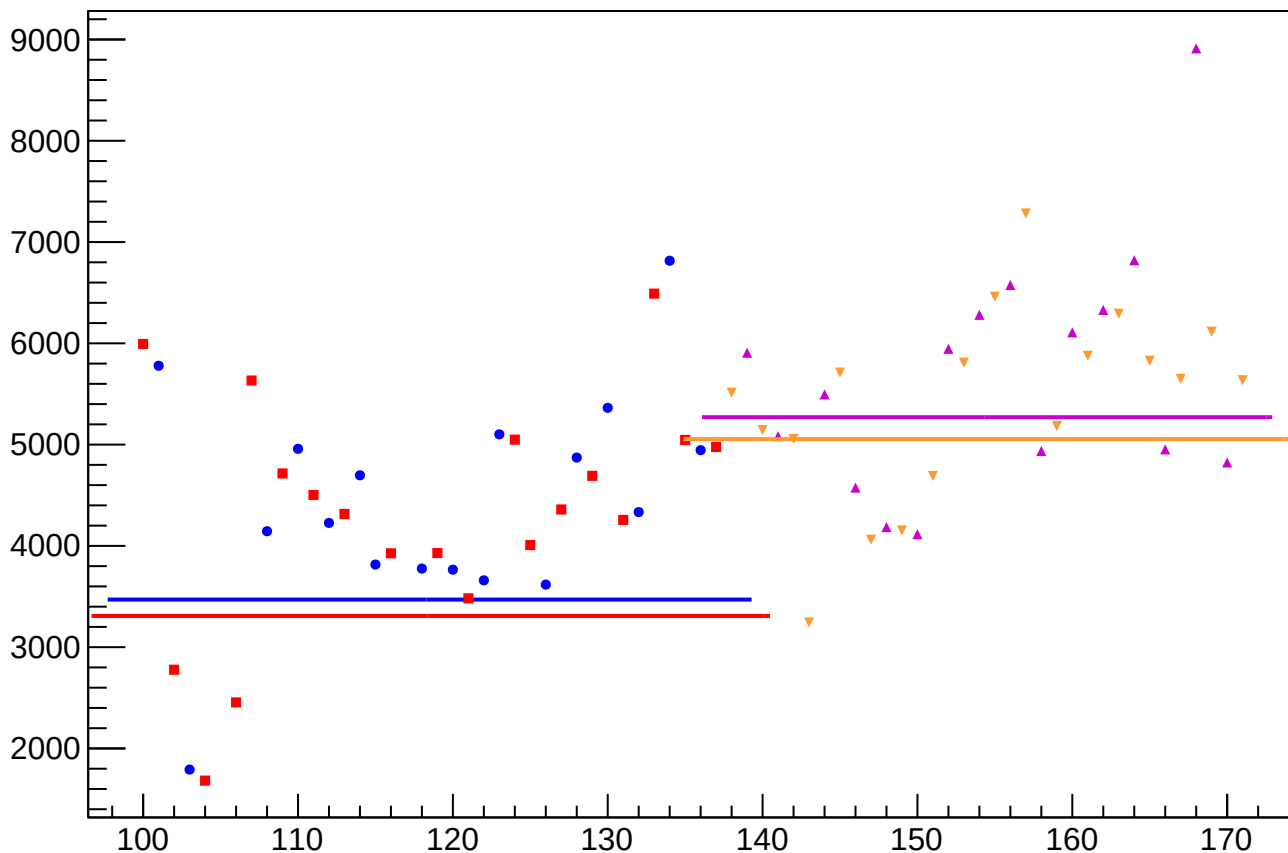
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2393.191+/-1050.176 χ^2/NDF : 23.8/32

Out: 1336.988+/-987.226 χ^2/NDF : 39.9/36

All: 1832.487+/-719.300 χ^2/NDF : 64.3/69

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: 5054.207 $\pm$ 0.998 χ^2 /NDF: 1058839.2/17

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5270.945 $\pm$ 1.075 χ^2 /NDF: 865426.6/15

Left: 5154.543 $\pm$ 0.731 χ^2 /NDF: 1946105.6/33

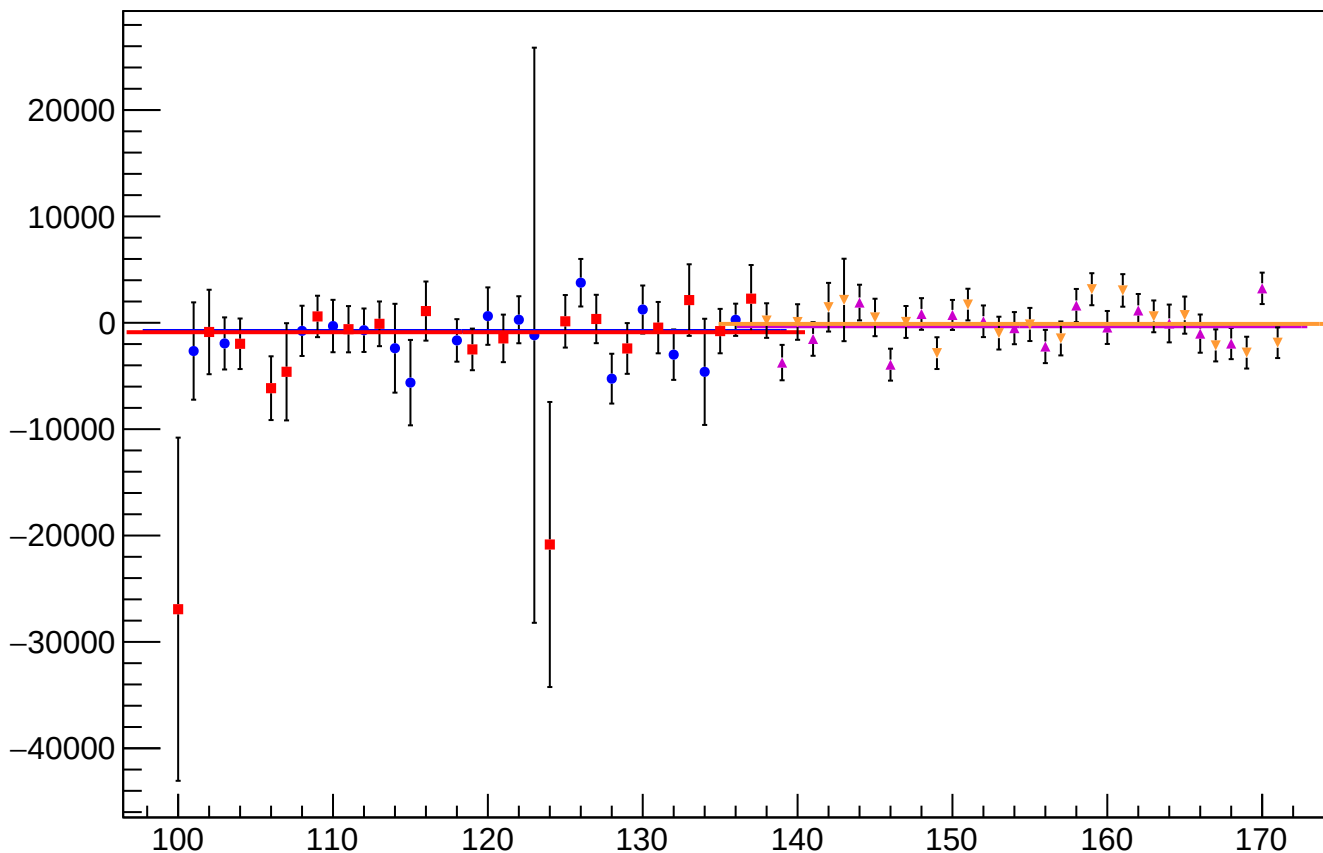
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4329.710 $\pm$ 0.743 χ^2 /NDF: 4093676.7/32

Out: 4154.705 $\pm$ 0.695 χ^2 /NDF: 4546850.7/36

All: 4236.396 $\pm$ 0.507 χ^2 /NDF: 8670142.3/69

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153 ± 603.689 $\chi^2/\text{NDF}: 13.3/16$

Left Out: -105.514 ± 380.700 $\chi^2/\text{NDF}: 22.9/17$

Right Out: -885.145 ± 595.053 $\chi^2/\text{NDF}: 13.5/18$

Left In: -323.918 ± 388.958 $\chi^2/\text{NDF}: 24.8/15$

Left: -212.373 ± 272.068 $\chi^2/\text{NDF}: 47.8/33$

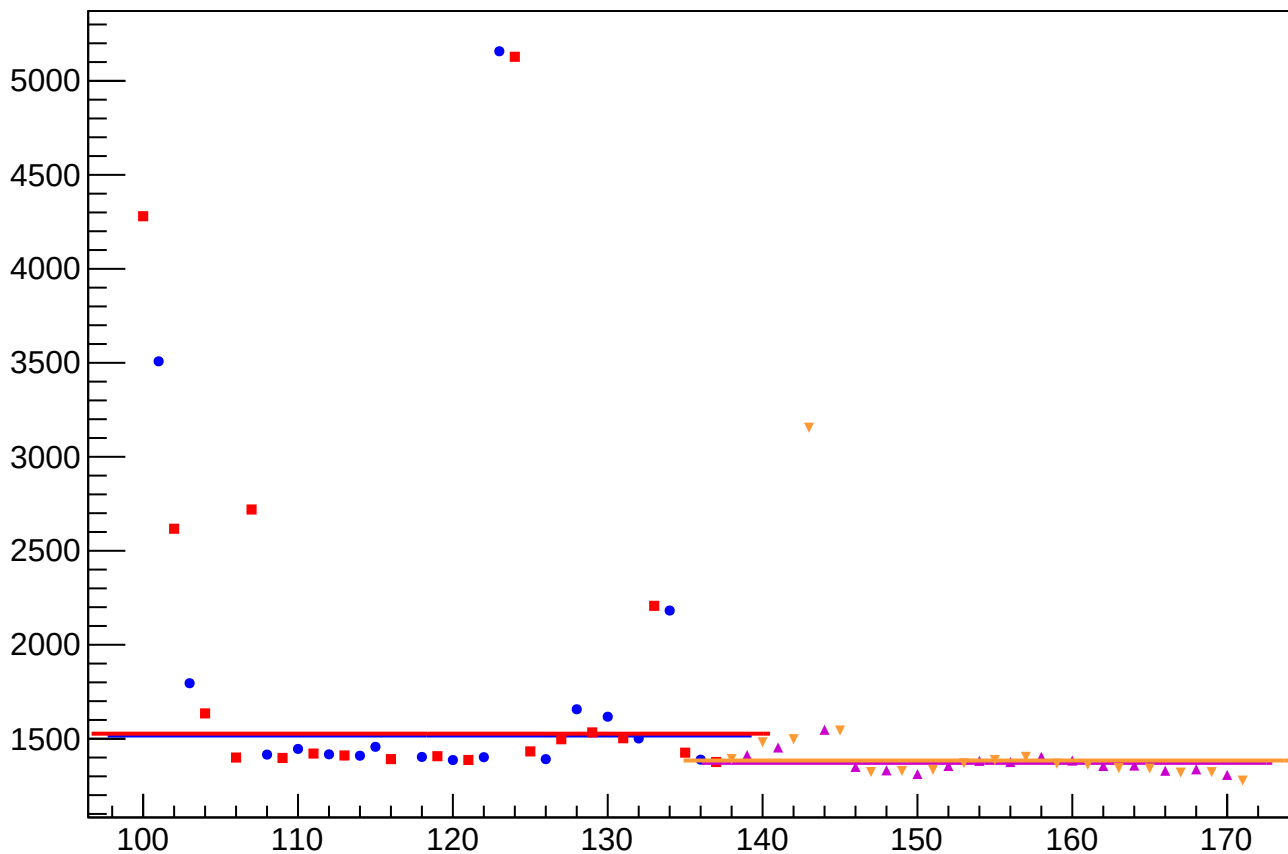
Right: -828.970 ± 423.787 $\chi^2/\text{NDF}: 26.8/35$

In: -455.113 ± 326.968 $\chi^2/\text{NDF}: 38.5/32$

Out: -331.946 ± 320.686 $\chi^2/\text{NDF}: 37.6/36$

All: -392.335 ± 228.948 $\chi^2/\text{NDF}: 76.1/69$

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: 1384.206+/-0.269 χ^2/NDF : 475813.5/17

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1371.793+/-0.275 χ^2/NDF : 41711.5/15

Left: 1378.133+/-0.192 χ^2/NDF : 518565.2/33

Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1414.487+/-0.231 χ^2/NDF : 660519.3/32

Out: 1425.680+/-0.227 χ^2/NDF : 1189225.1/36

All: 1420.192+/-0.162 χ^2/NDF : 1850938.9/69

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

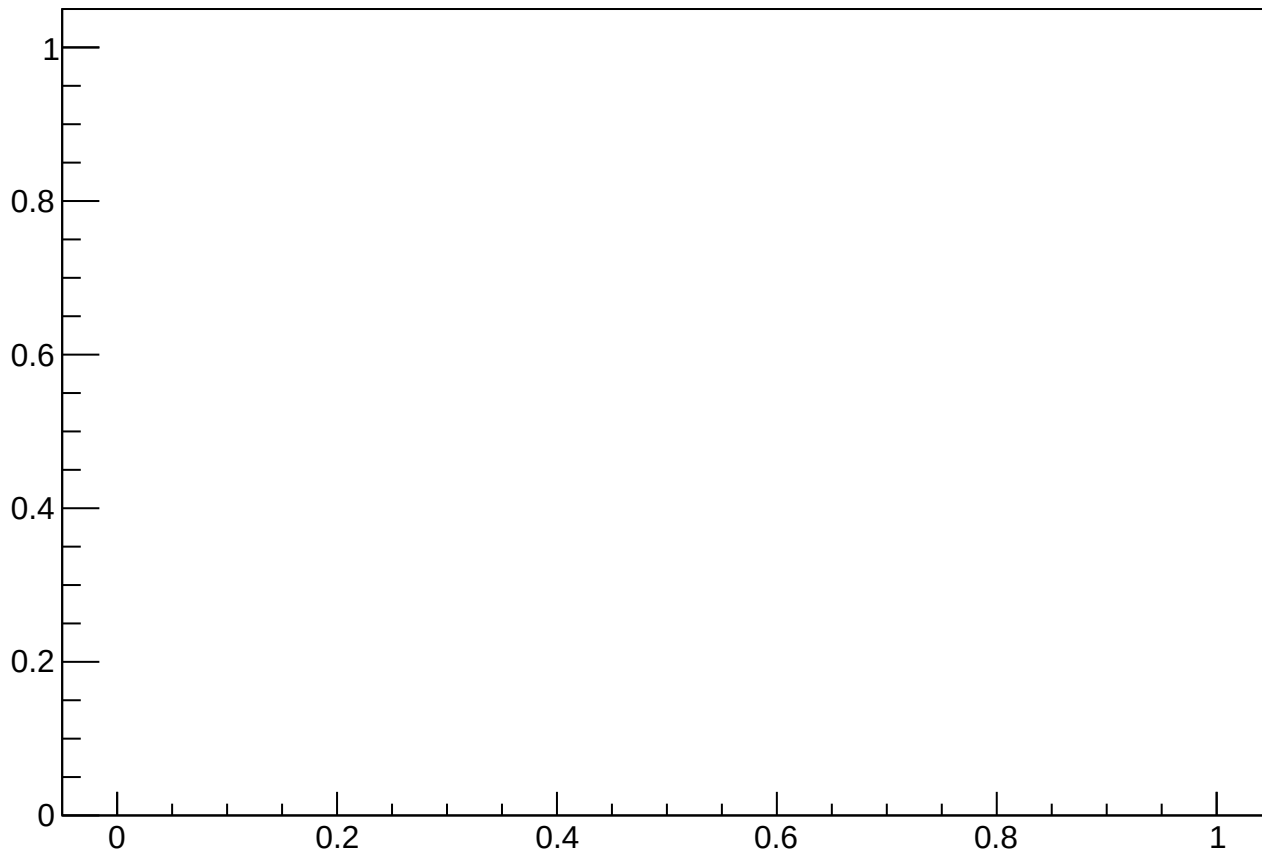
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

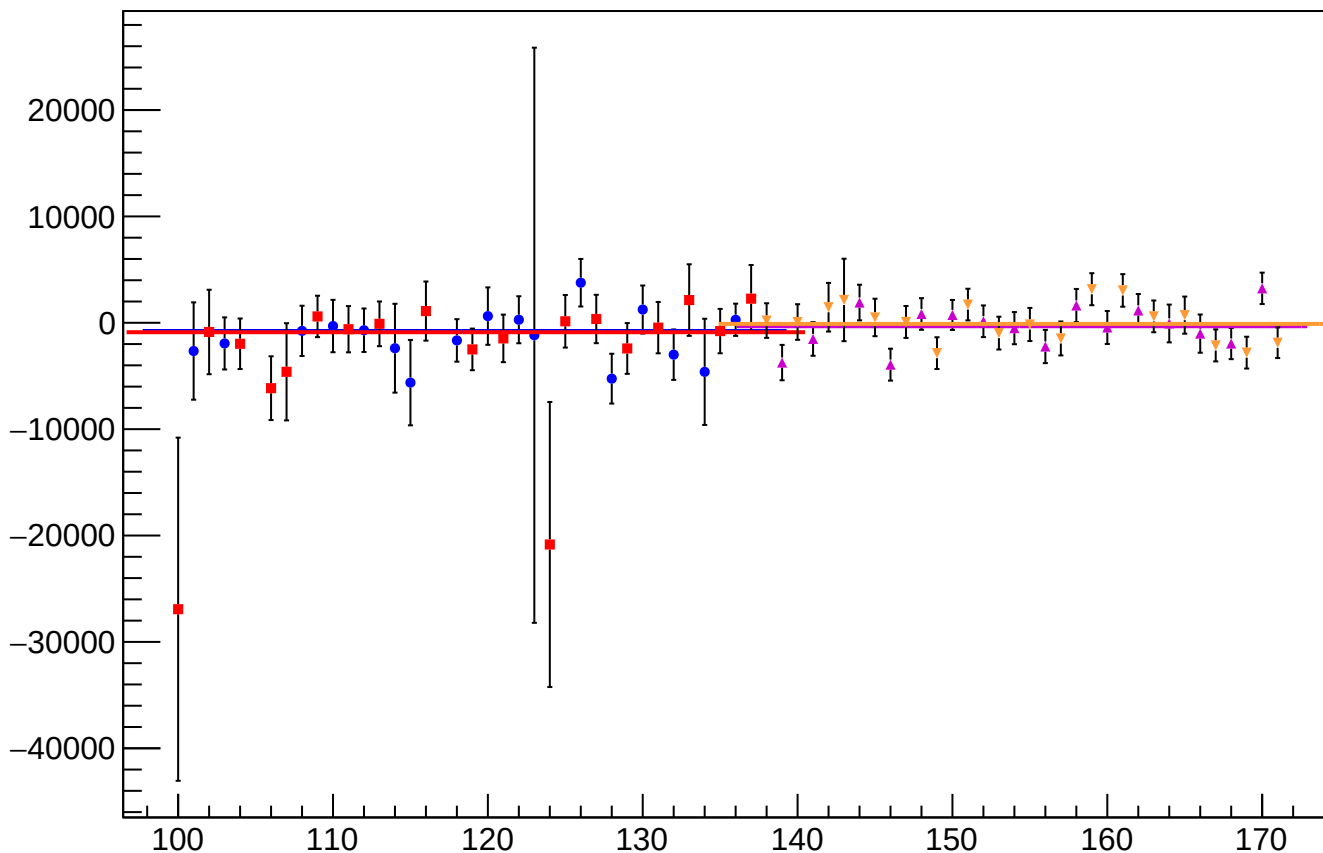
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -105.514+/-380.700 χ^2/NDF :22.9/17

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -323.918+/-388.958 χ^2/NDF :24.8/15

Left: -212.373+/-272.068 χ^2/NDF : 47.8/33

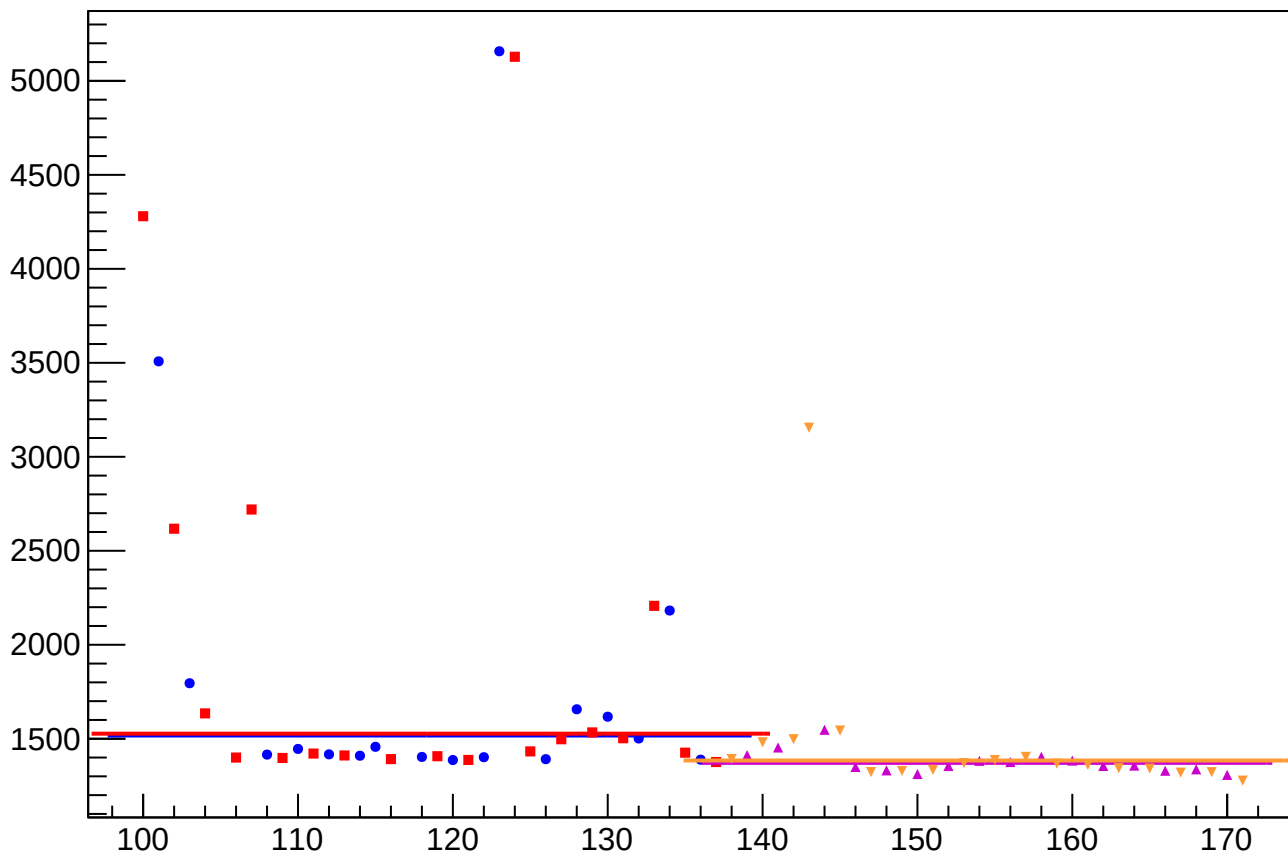
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -455.113+/-326.968 χ^2/NDF :38.5/32

Out: -331.946+/-320.686 χ^2/NDF :37.6/36

All: -392.335+/-228.948 χ^2/NDF : 76.1/69

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: 1384.206+/-0.269 χ^2/NDF : 475813.5/17

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1371.793+/-0.275 χ^2/NDF : 41711.5/15

Left: 1378.133+/-0.192 χ^2/NDF : 518565.2/33

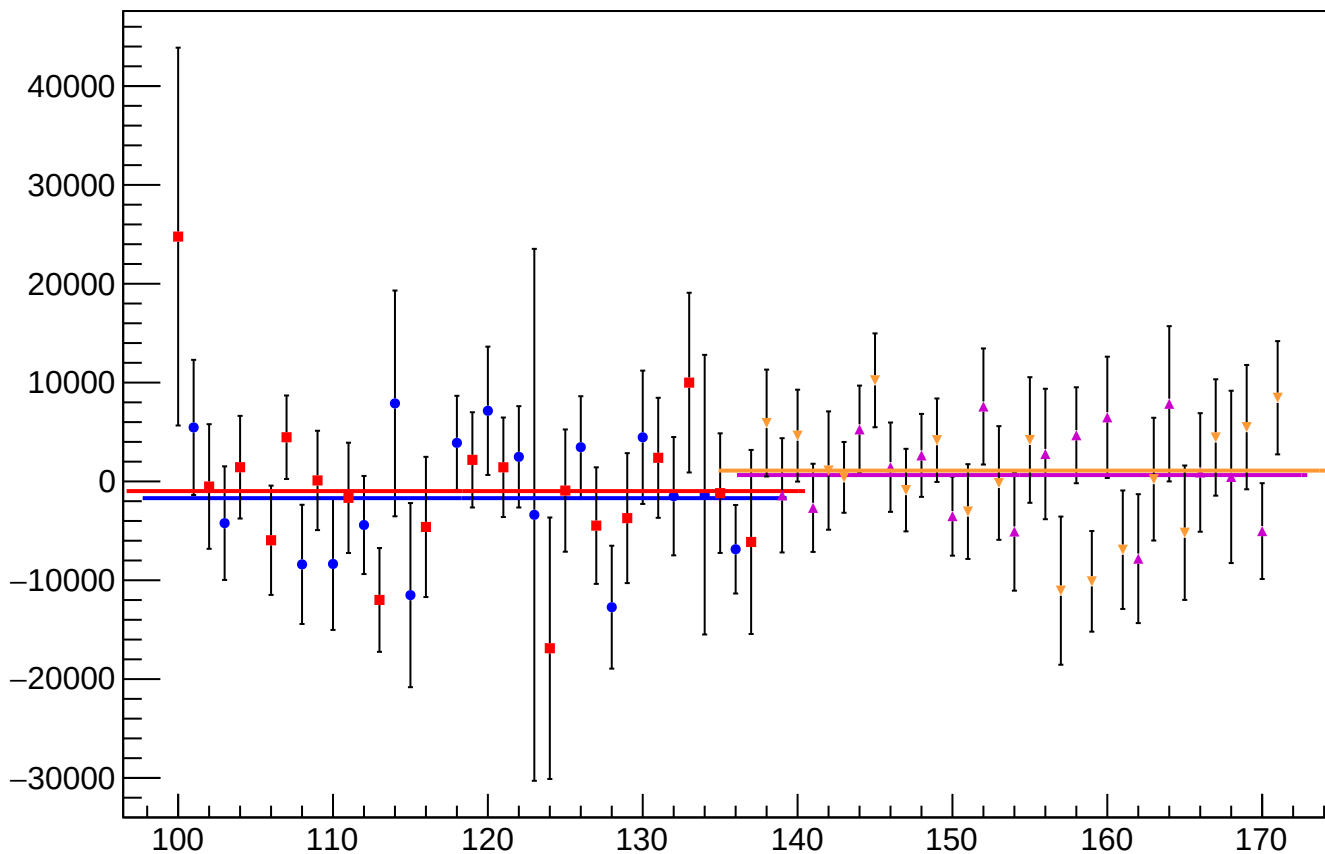
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1414.487+/-0.231 χ^2/NDF : 660519.3/32

Out: 1425.680+/-0.227 χ^2/NDF : 1189225.1/36

All: 1420.192+/-0.162 χ^2/NDF : 1850938.9/69

reg_asym_atl_dd_attr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 1096.394+/-1231.960 χ^2/NDF : 19.5/17

Right Out: -977.899+/-1378.874 χ^2/NDF : 13.9/18

Left In: 642.185+/-1322.972 χ^2/NDF : 11.0/15

Left: 885.449+/-901.587 χ^2/NDF : 30.5/33

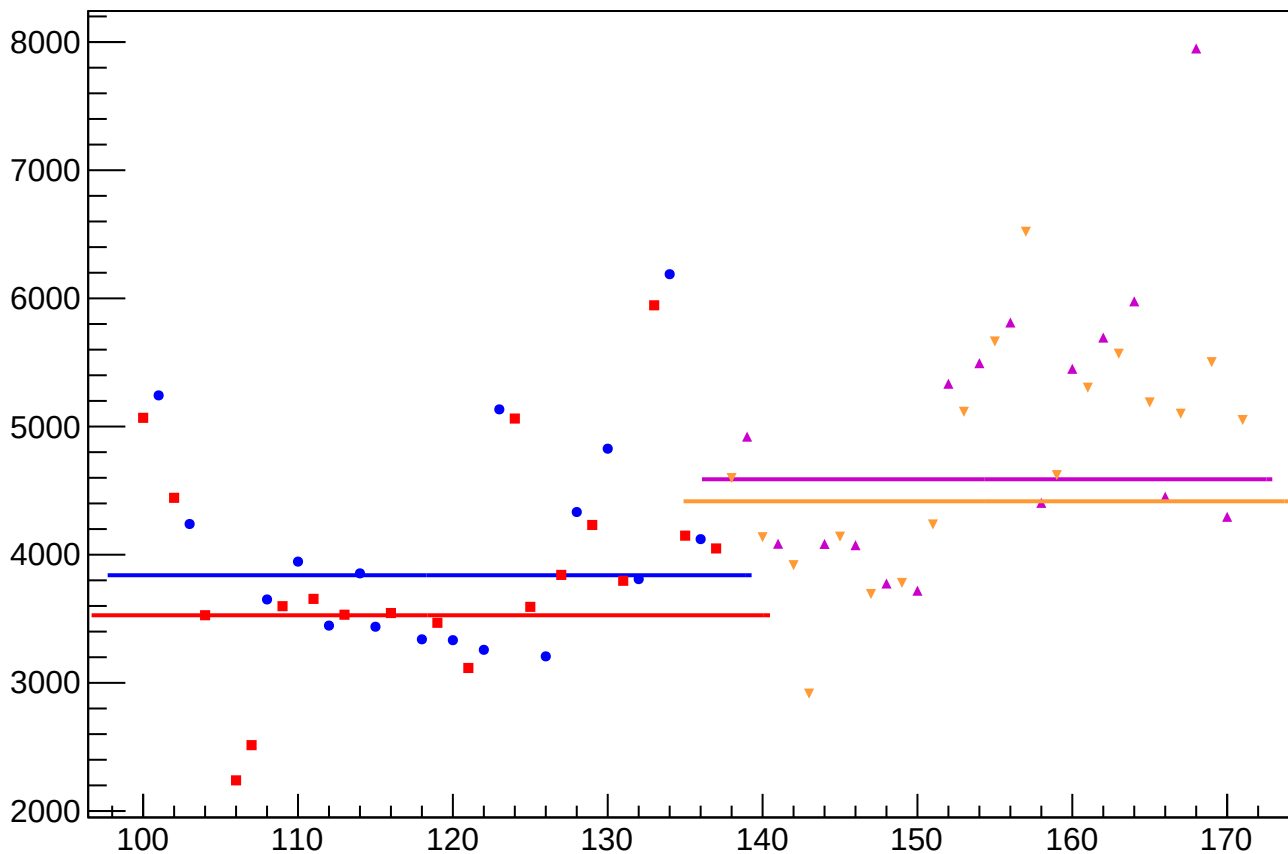
Right: -1302.190+/-1019.117 χ^2/NDF : 29.9/35

In: -369.512+/-995.914 χ^2/NDF : 28.2/32

Out: 175.601+/-918.693 χ^2/NDF : 34.7/36

All: -75.005+/-675.266 χ^2/NDF : 63.0/69

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: 4416.736+/-0.871 χ^2/NDF : 1005824.2/17

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4588.570+/-0.935 χ^2/NDF : 868189.0/15

Left: 4496.540+/-0.638 χ^2/NDF : 1892083.7/33

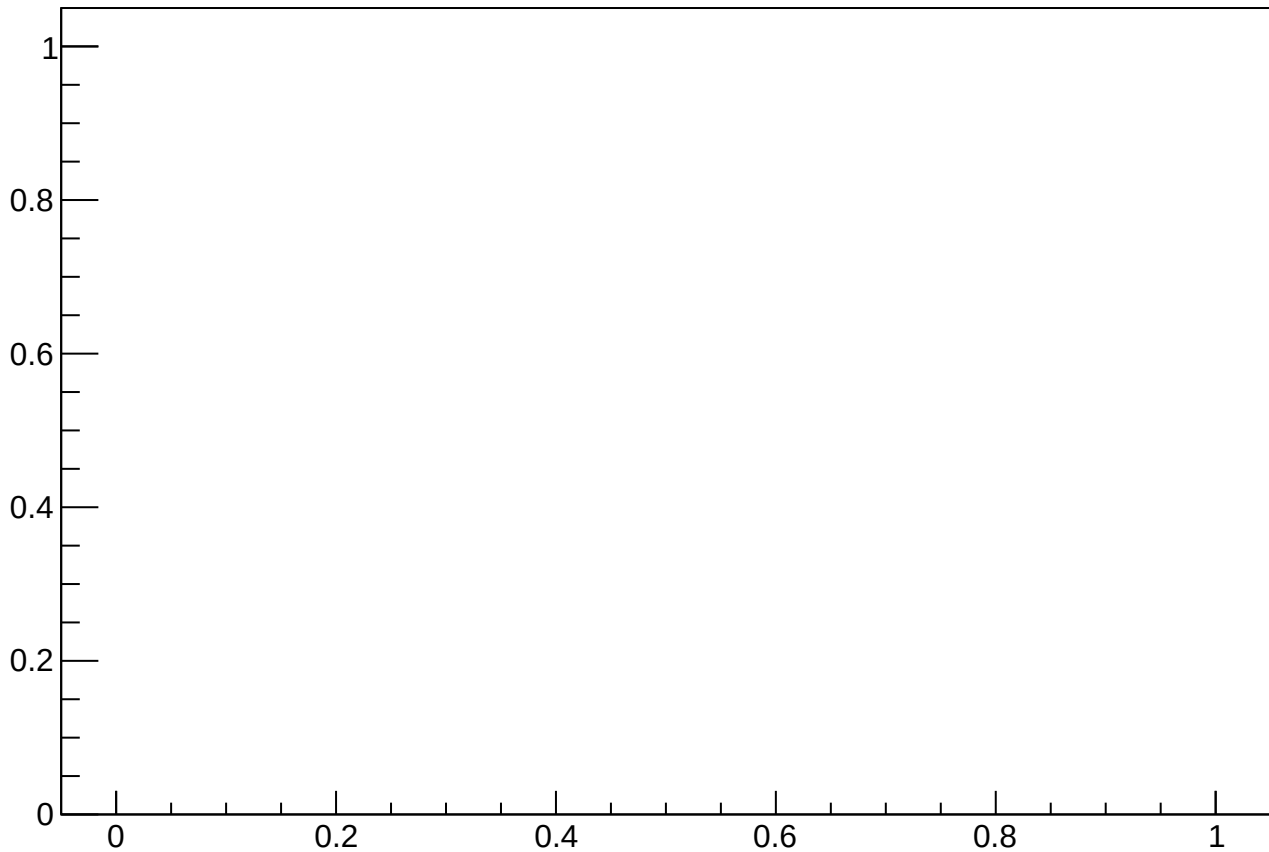
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4264.086+/-0.704 χ^2/NDF : 1471798.7/32

Out: 4017.905+/-0.647 χ^2/NDF : 2028055.5/36

All: 4130.586+/-0.476 χ^2/NDF : 3566126.6/69

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

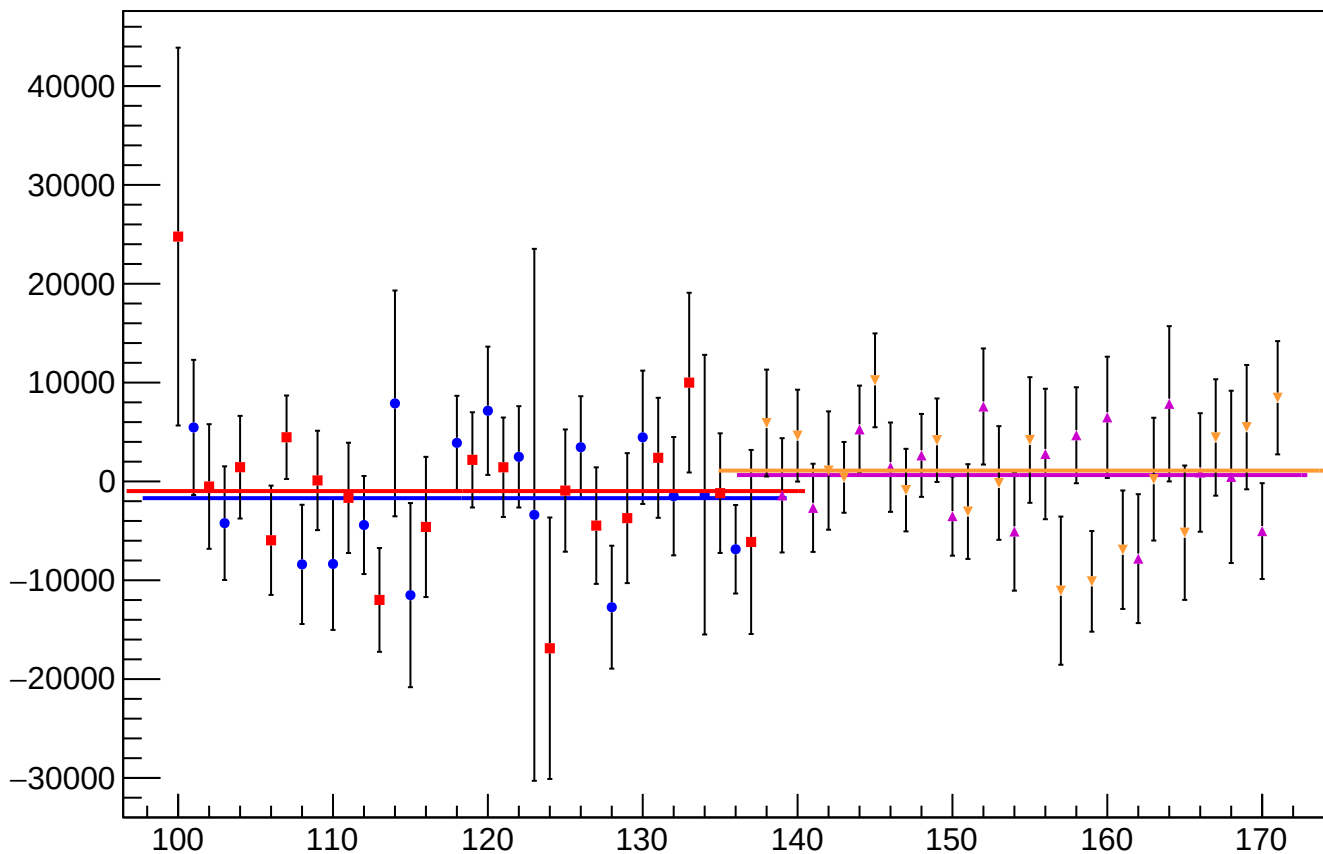
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 1096.394 $\pm$ 1231.960 χ^2 /NDF:19.5/17

Right Out: -977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

Left In: 642.185 $\pm$ 1322.972 χ^2 /NDF:11.0/15

Left: 885.449 $\pm$ 901.587 χ^2 /NDF: 30.5/33

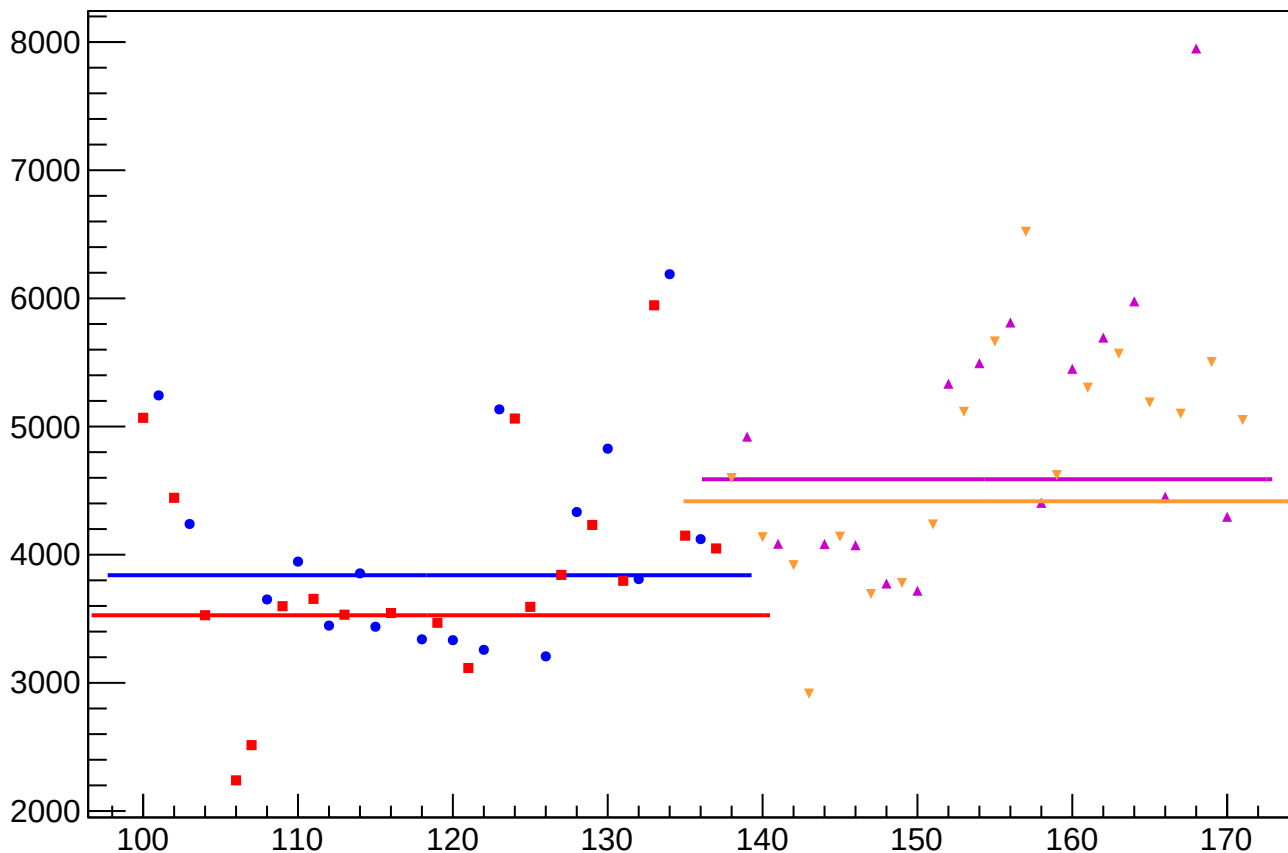
Right: -1302.190 $\pm$ 1019.117 χ^2 /NDF: 29.9/35

In: -369.512 $\pm$ 995.914 χ^2 /NDF:28.2/32

Out: 175.601 $\pm$ 918.693 χ^2 /NDF:34.7/36

All: -75.005 $\pm$ 675.266 χ^2 /NDF: 63.0/69

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: 4416.736+/-0.871 χ^2/NDF : 1005824.2/17

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4588.570+/-0.935 χ^2/NDF : 868189.0/15

Left: 4496.540+/-0.638 χ^2/NDF : 1892083.7/33

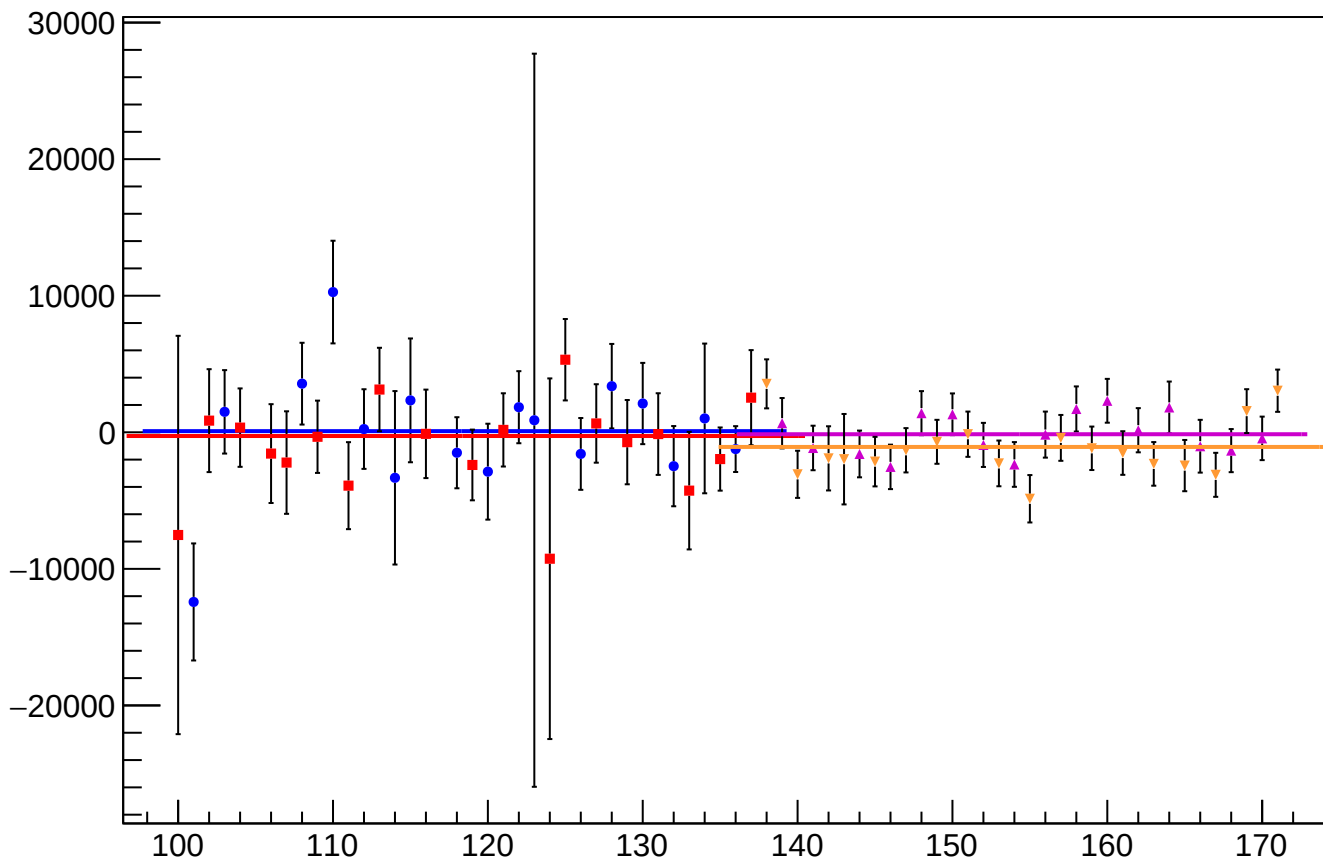
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4264.086+/-0.704 χ^2/NDF : 1471798.7/32

Out: 4017.905+/-0.647 χ^2/NDF : 2028055.5/36

All: 4130.586+/-0.476 χ^2/NDF : 3566126.6/69

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



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

Left Out: -1072.601 $\pm$ 406.524 χ^2 /NDF:26.9/17

Right Out: -272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

Left In: -142.147 $\pm$ 415.548 χ^2 /NDF:12.8/15

Left: -617.586 $\pm$ 290.594 χ^2 /NDF: 42.4/33

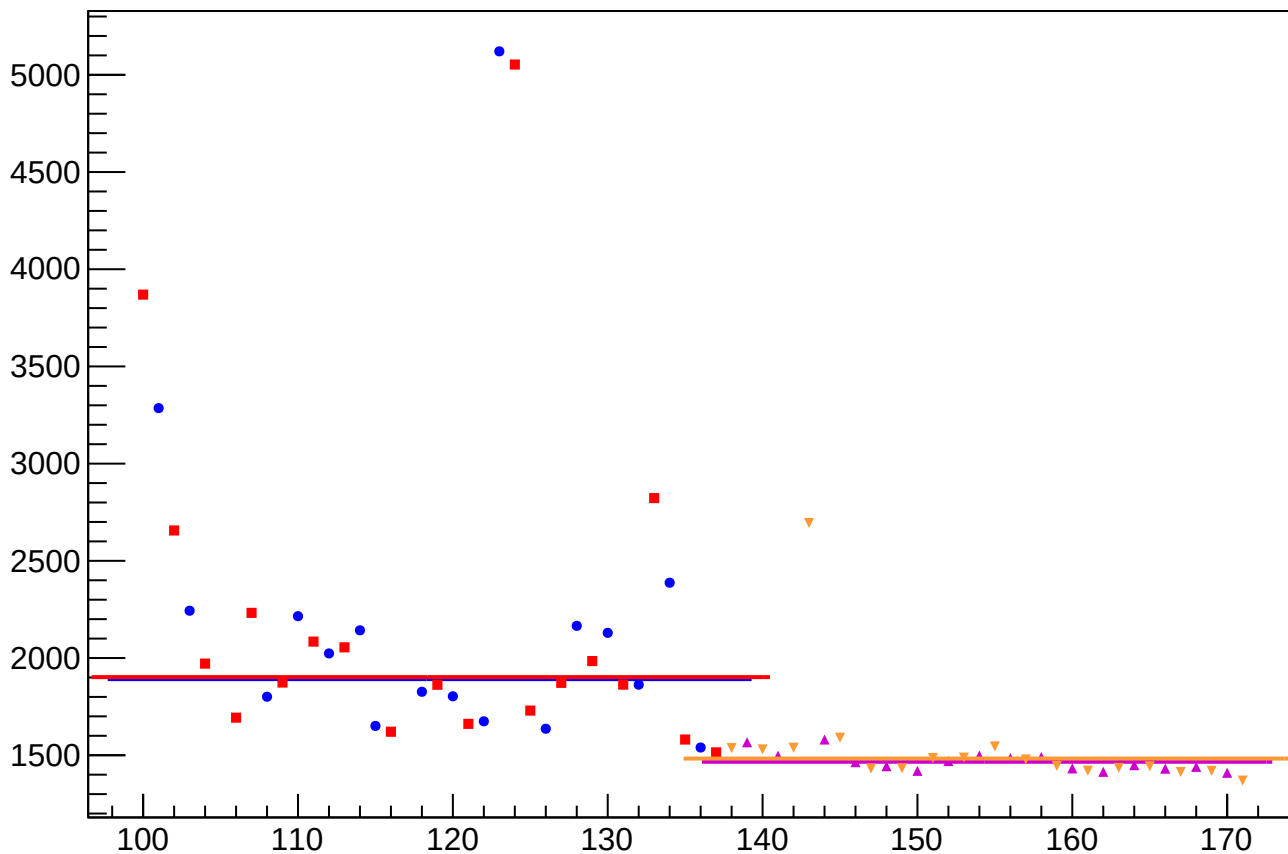
Right: -98.370 $\pm$ 524.811 χ^2 /NDF: 33.2/35

In: -89.122 $\pm$ 363.546 χ^2 /NDF:35.8/32

Out: -884.878 $\pm$ 355.636 χ^2 /NDF:38.0/36

All: -495.751 $\pm$ 254.223 χ^2 /NDF: 76.3/69

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: 1482.963+/-0.287 χ^2/NDF : 310214.2/17

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1466.394+/-0.294 χ^2/NDF : 26176.3/15

Left: 1474.860+/-0.205 χ^2/NDF : 338015.1/33

Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1566.131+/-0.257 χ^2/NDF : 981730.9/32

Out: 1581.259+/-0.251 χ^2/NDF : 1269140.4/36

All: 1573.861+/-0.180 χ^2/NDF : 2252640.9/69

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

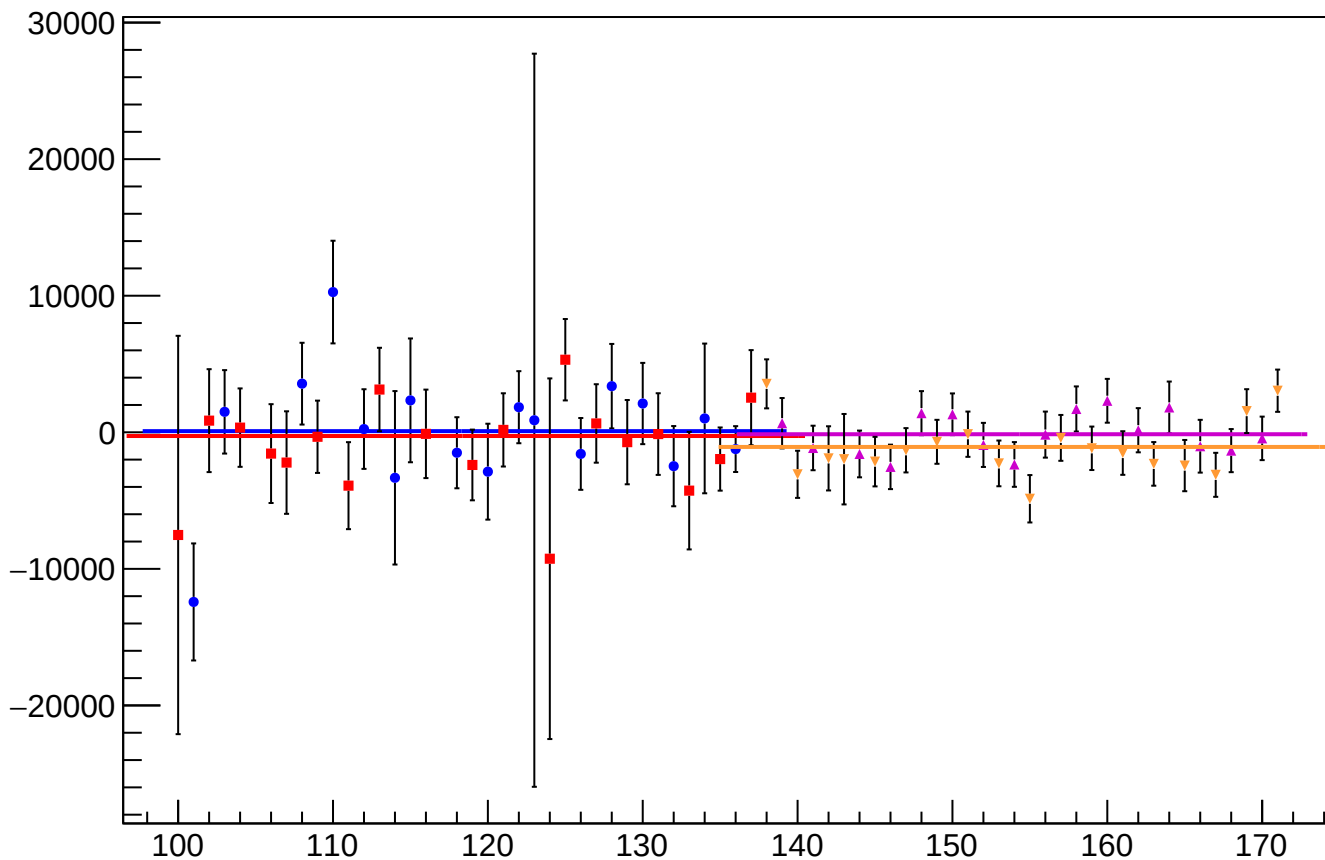
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1072.601 $\pm$ 406.524 χ^2 /NDF:26.9/17

Right Out: -272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

Left In: -142.147 $\pm$ 415.548 χ^2 /NDF:12.8/15

Left: -617.586 $\pm$ 290.594 χ^2 /NDF: 42.4/33

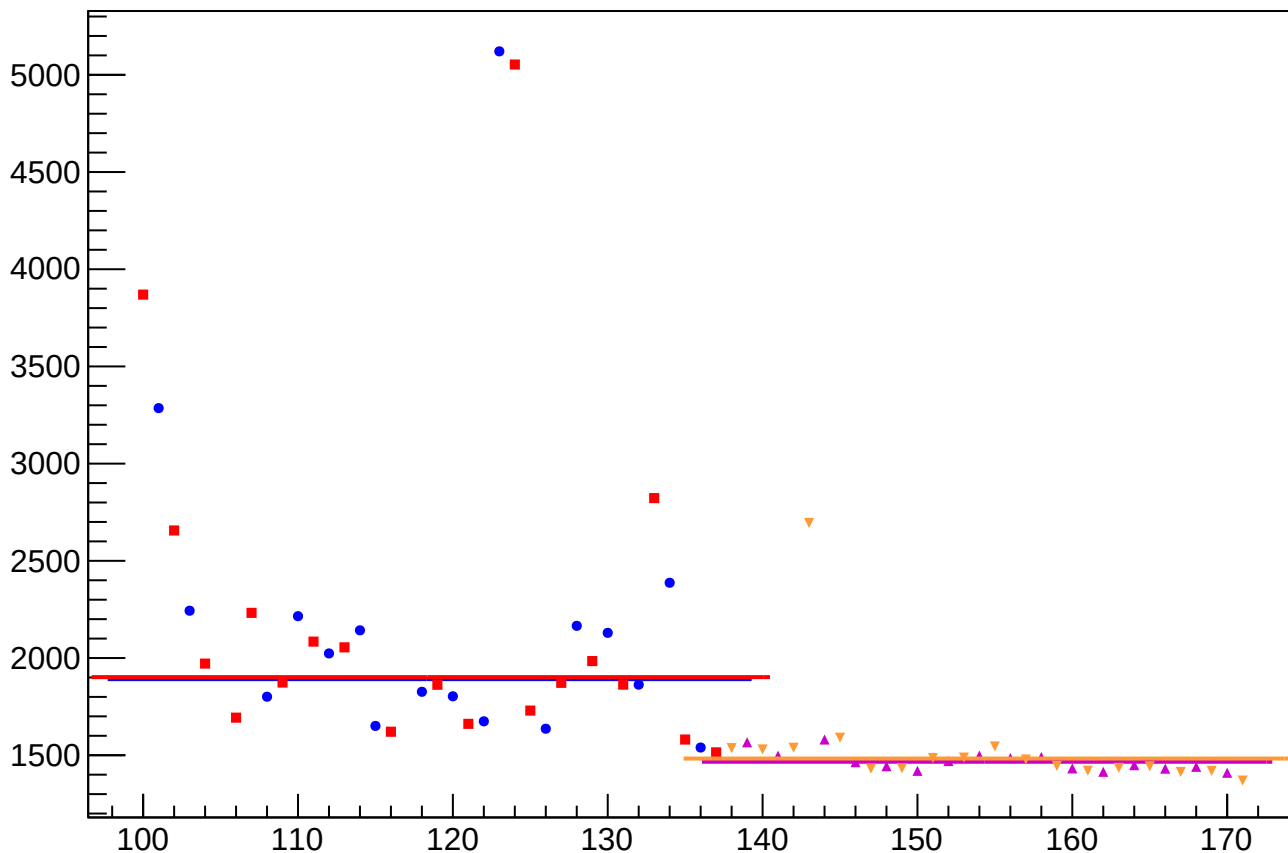
Right: -98.370 $\pm$ 524.811 χ^2 /NDF: 33.2/35

In: -89.122 $\pm$ 363.546 χ^2 /NDF:35.8/32

Out: -884.878 $\pm$ 355.636 χ^2 /NDF:38.0/36

All: -495.751 $\pm$ 254.223 χ^2 /NDF: 76.3/69

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1482.963 $\pm$ 0.287 χ^2 /NDF: 310214.2/17

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

Left In: 1466.394 $\pm$ 0.294 χ^2 /NDF: 26176.3/15

Left: 1474.860 $\pm$ 0.205 χ^2 /NDF: 338015.1/33

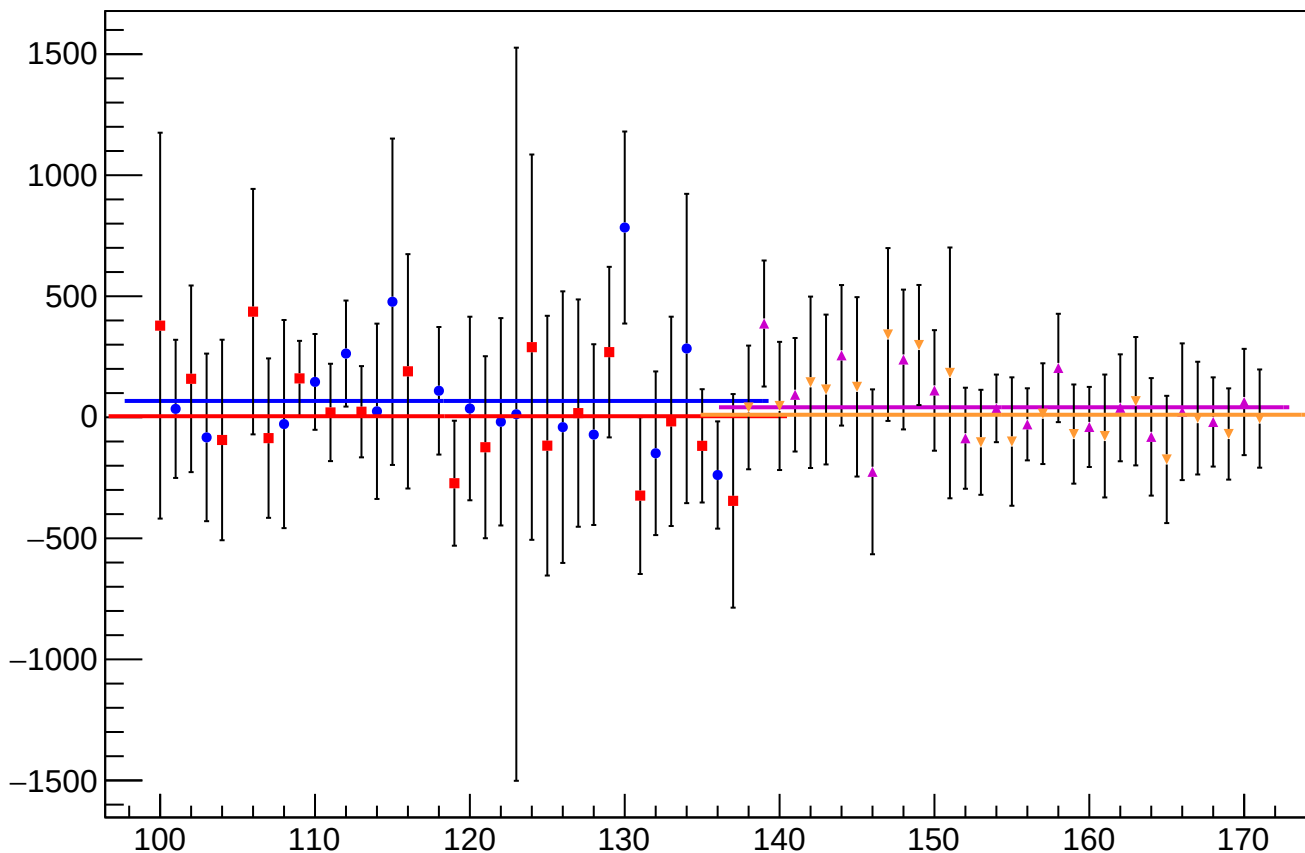
Right: 1896.759 $\pm$ 0.371 χ^2 /NDF: 925377.5/35

In: 1566.131 $\pm$ 0.257 χ^2 /NDF: 981730.9/32

Out: 1581.259 $\pm$ 0.251 χ^2 /NDF: 1269140.4/36

All: 1573.861 $\pm$ 0.180 χ^2 /NDF: 2252640.9/69

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: 10.508 $\pm$ 59.696 χ^2 /NDF:4.2/17

Right Out: 4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

Left In: 41.468 $\pm$ 52.880 χ^2 /NDF:5.3/15

Left: 27.856 $\pm$ 39.583 χ^2 /NDF: 9.6/33

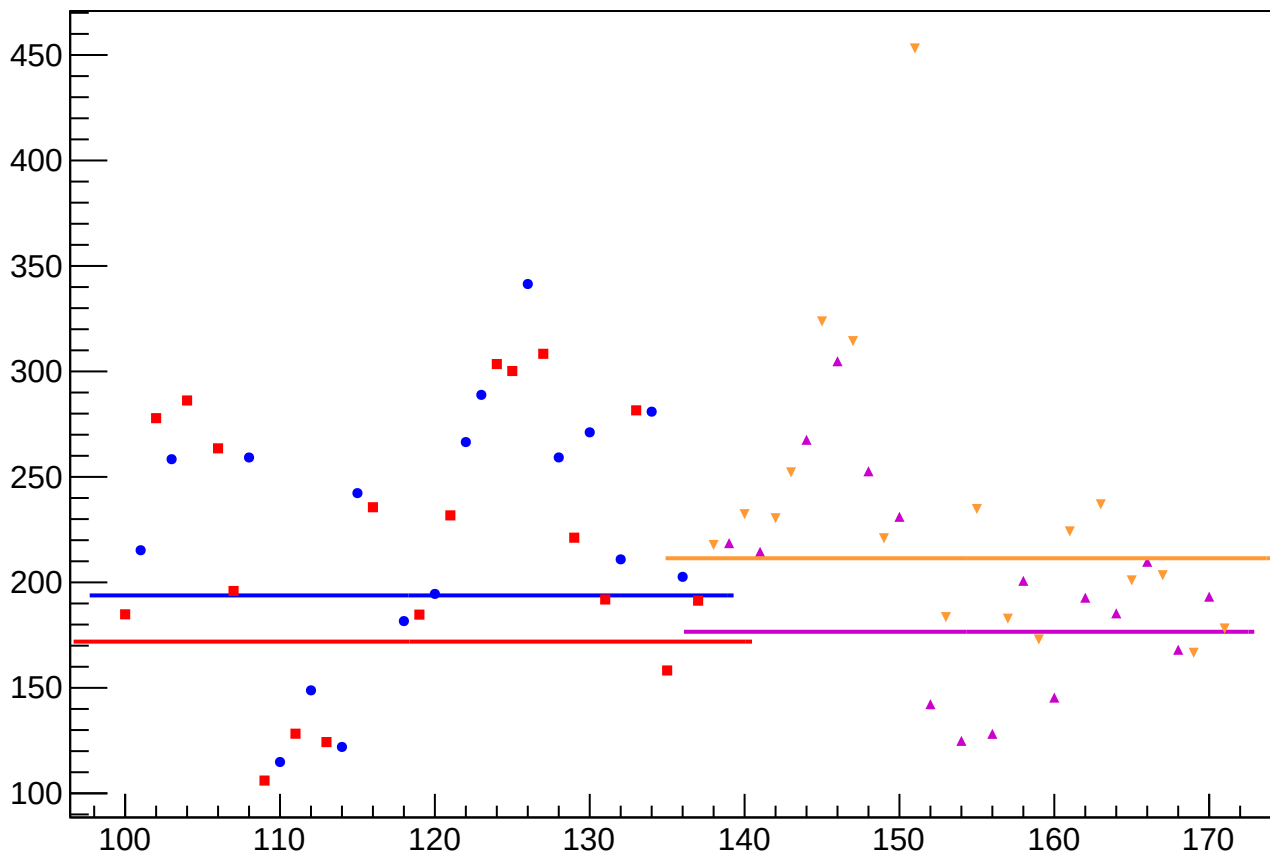
Right: 31.949 $\pm$ 52.572 χ^2 /NDF: 14.2/35

In: 49.451 $\pm$ 44.048 χ^2 /NDF:12.9/32

Out: 7.946 $\pm$ 45.425 χ^2 /NDF:10.5/36

All: 29.337 $\pm$ 31.622 χ^2 /NDF: 23.8/69

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 211.441 $\pm$ 0.042 χ^2 /NDF: 1195215.9/17

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

Left In: 176.587 $\pm$ 0.037 χ^2 /NDF: 1509863.7/15

Left: 191.911 $\pm$ 0.028 χ^2 /NDF: 3087080.5/33

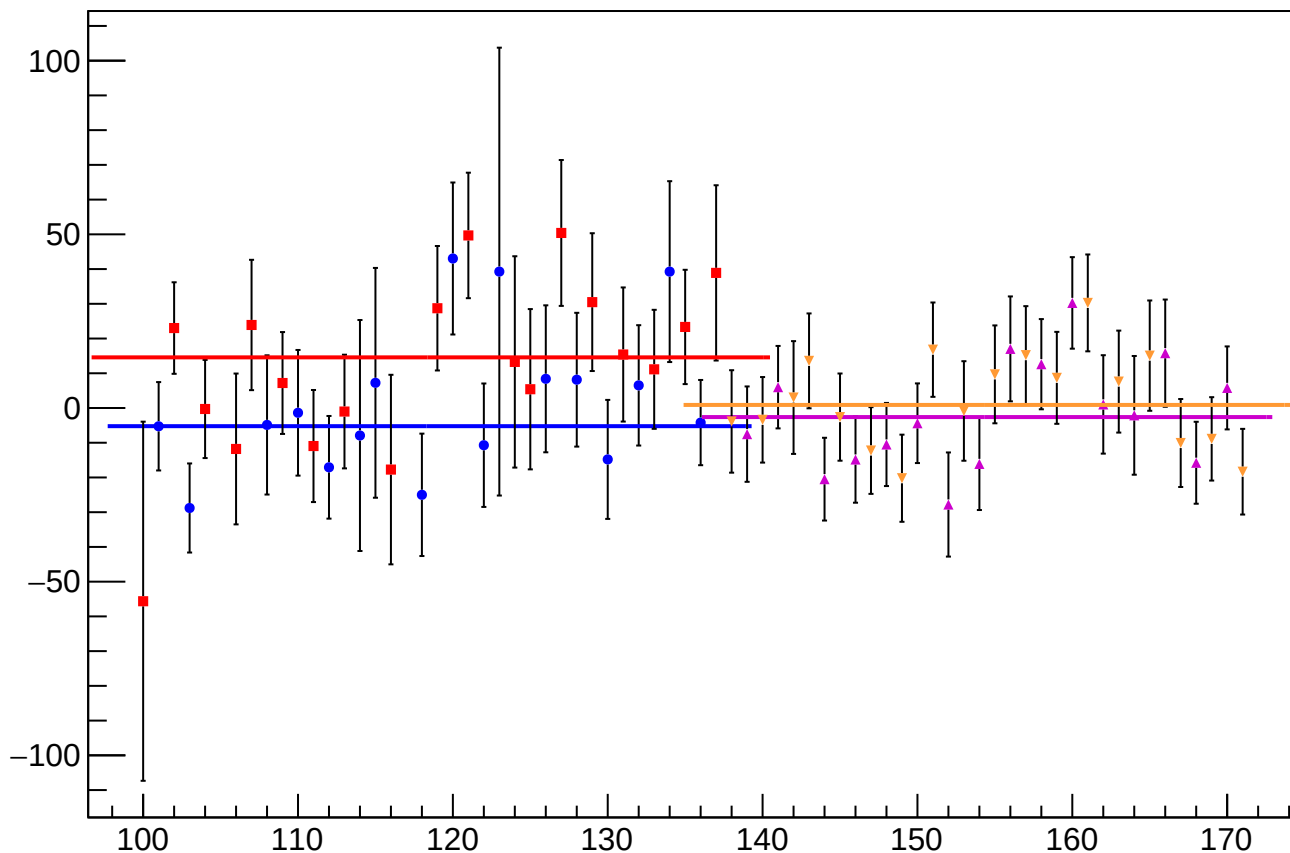
Right: 181.469 $\pm$ 0.037 χ^2 /NDF: 2672713.5/35

In: 181.862 $\pm$ 0.031 χ^2 /NDF: 2585180.3/32

Out: 194.803 $\pm$ 0.032 χ^2 /NDF: 3141312.5/36

All: 188.133 $\pm$ 0.022 χ^2 /NDF: 5810154.8/69

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: 0.885+/-3.178 χ^2/NDF :17.6/17

Right Out: 14.579+/-4.265 χ^2/NDF : 19.5/18

Left In: -2.611+/-3.270 χ^2/NDF :20.7/15

Left: -0.813+/-2.279 χ^2/NDF : 38.8/33

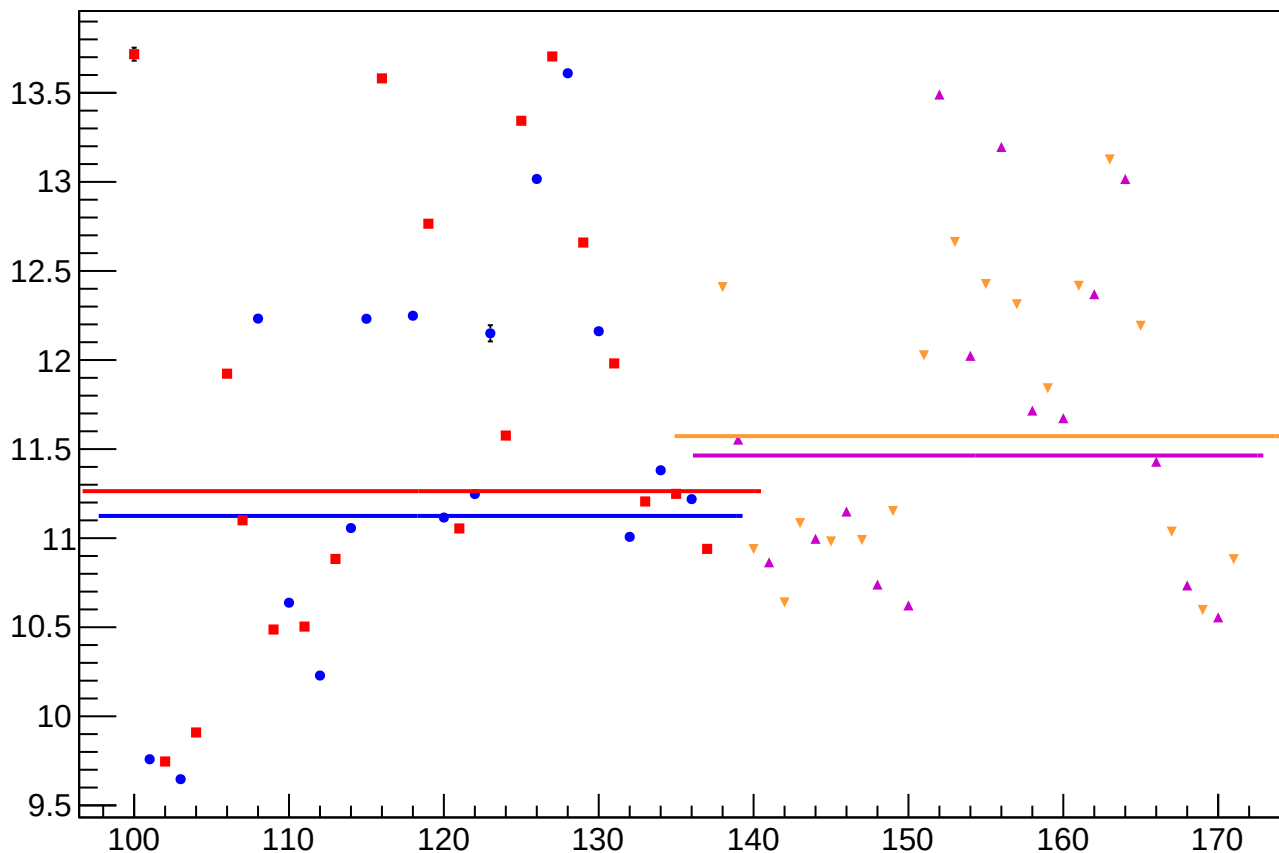
Right: 4.883+/-3.047 χ^2/NDF : 45.6/35

In: -3.555+/-2.615 χ^2/NDF :36.4/32

Out: 5.773+/-2.548 χ^2/NDF :43.7/36

All: 1.230+/-1.825 χ^2/NDF : 86.7/69

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: 11.573 $\pm$ 0.002 χ^2 /NDF:115263.4/17

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

Left In: 11.464 $\pm$ 0.002 χ^2 /NDF:139196.9/15

Left: 11.520 $\pm$ 0.002 χ^2 /NDF: 255600.7/33

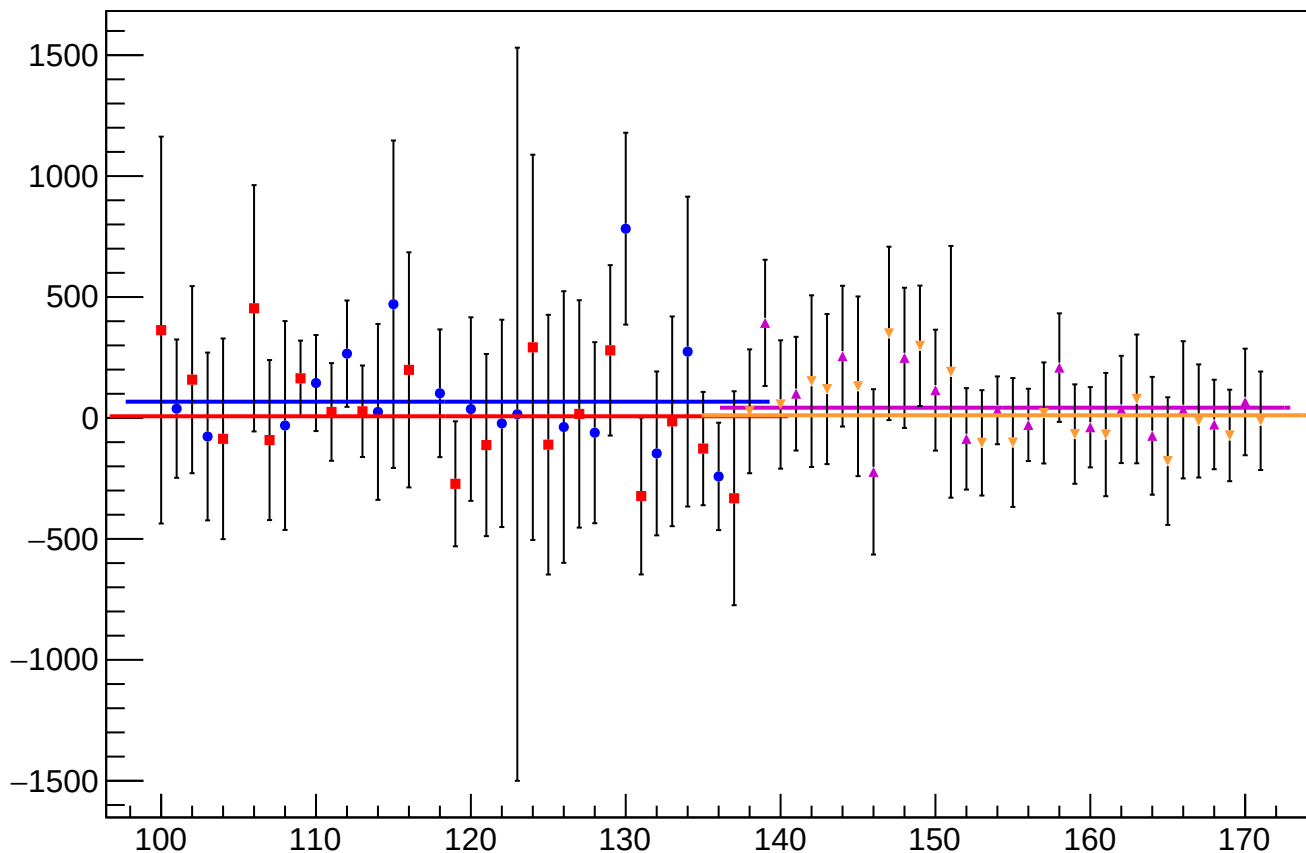
Right: 11.196 $\pm$ 0.002 χ^2 /NDF: 281295.0/35

In: 11.342 $\pm$ 0.002 χ^2 /NDF:279470.8/32

Out: 11.463 $\pm$ 0.002 χ^2 /NDF:269743.5/36

All: 11.404 $\pm$ 0.001 χ^2 /NDF: 551406.2/69

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: 11.210 $\pm$ 59.905 χ^2 /NDF:4.3/17

Right Out: 7.039 $\pm$ 70.212 χ^2 /NDF: 6.4/18

Left In: 42.502 $\pm$ 53.063 χ^2 /NDF:5.4/15

Left: 28.745 $\pm$ 39.721 χ^2 /NDF: 9.8/33

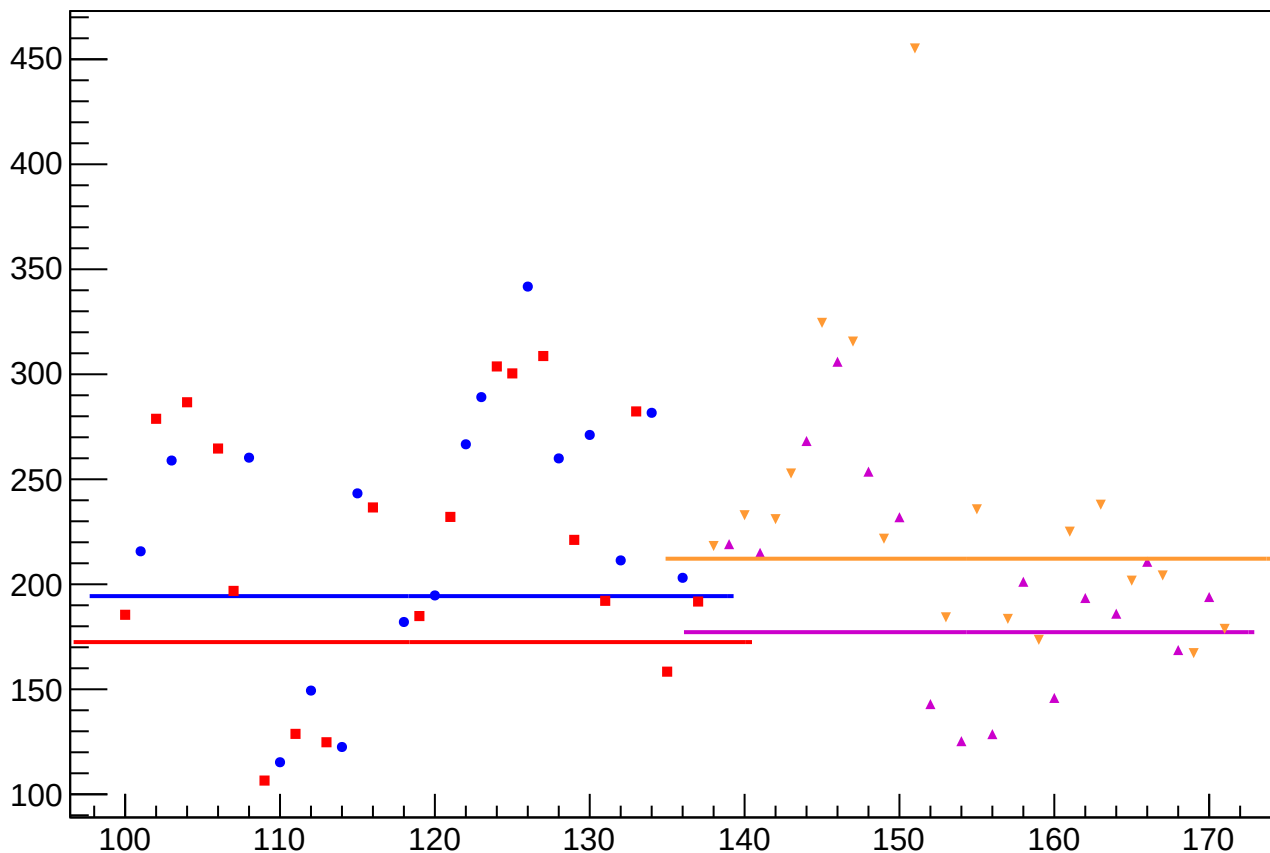
Right: 33.329 $\pm$ 52.718 χ^2 /NDF: 14.2/35

In: 50.104 $\pm$ 44.189 χ^2 /NDF:12.9/32

Out: 9.452 $\pm$ 45.572 χ^2 /NDF:10.7/36

All: 30.405 $\pm$ 31.724 χ^2 /NDF: 24.0/69

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 212.182 $\pm$ 0.042 χ^2 /NDF:1194300.9/17

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

Left In: 177.202 $\pm$ 0.038 χ^2 /NDF:1507954.6/15

Left: 192.581 $\pm$ 0.028 χ^2 /NDF: 3084384.1/33

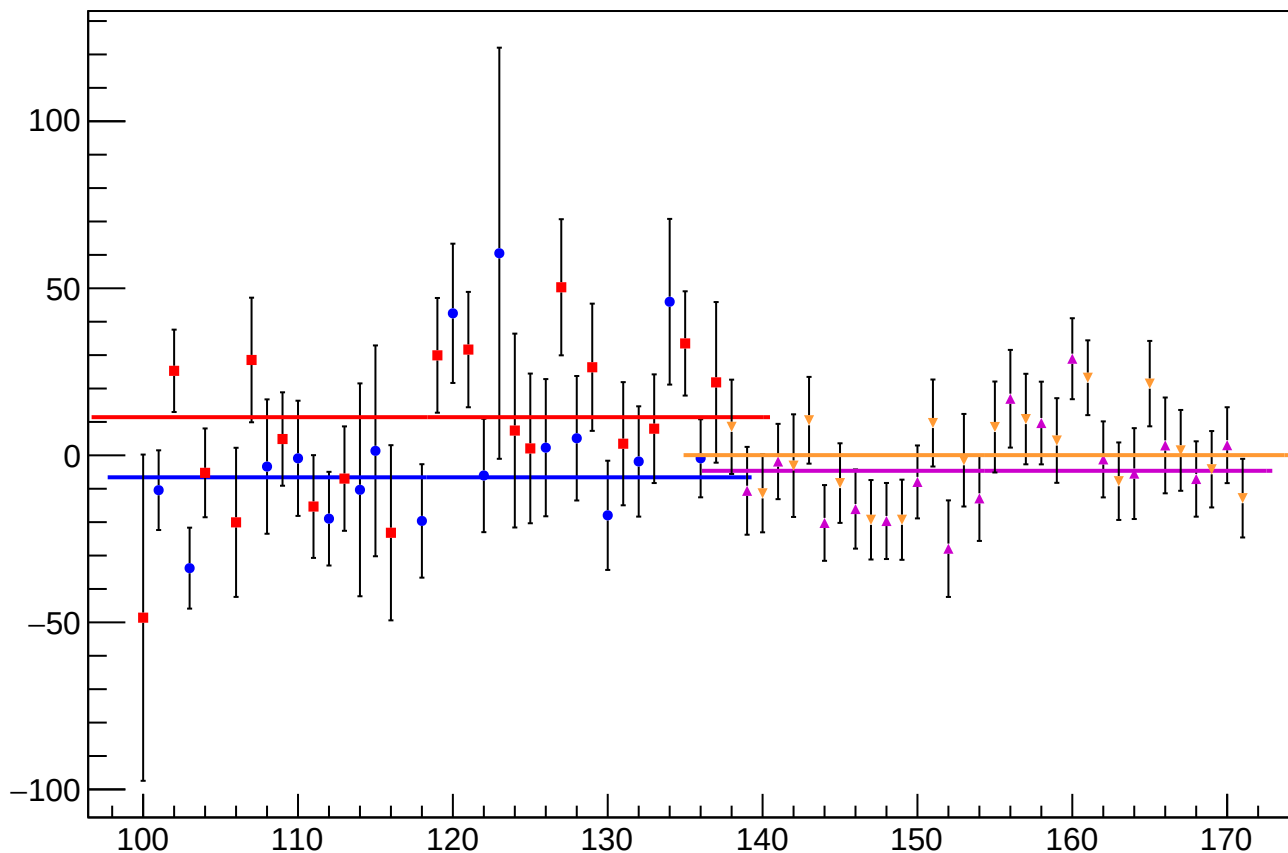
Right: 182.022 $\pm$ 0.037 χ^2 /NDF: 2659717.0/35

In: 182.463 $\pm$ 0.031 χ^2 /NDF:2577321.3/32

Out: 195.453 $\pm$ 0.032 χ^2 /NDF:3134198.9/36

All: 188.758 $\pm$ 0.022 χ^2 /NDF: 5795278.6/69

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: 0.059 ± 2.949 $\chi^2/\text{NDF}: 18.3/17$

Right Out: 11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

Left In: -4.630 ± 3.054 $\chi^2/\text{NDF}: 20.0/15$

Left: -2.203 ± 2.121 $\chi^2/\text{NDF}: 39.6/33$

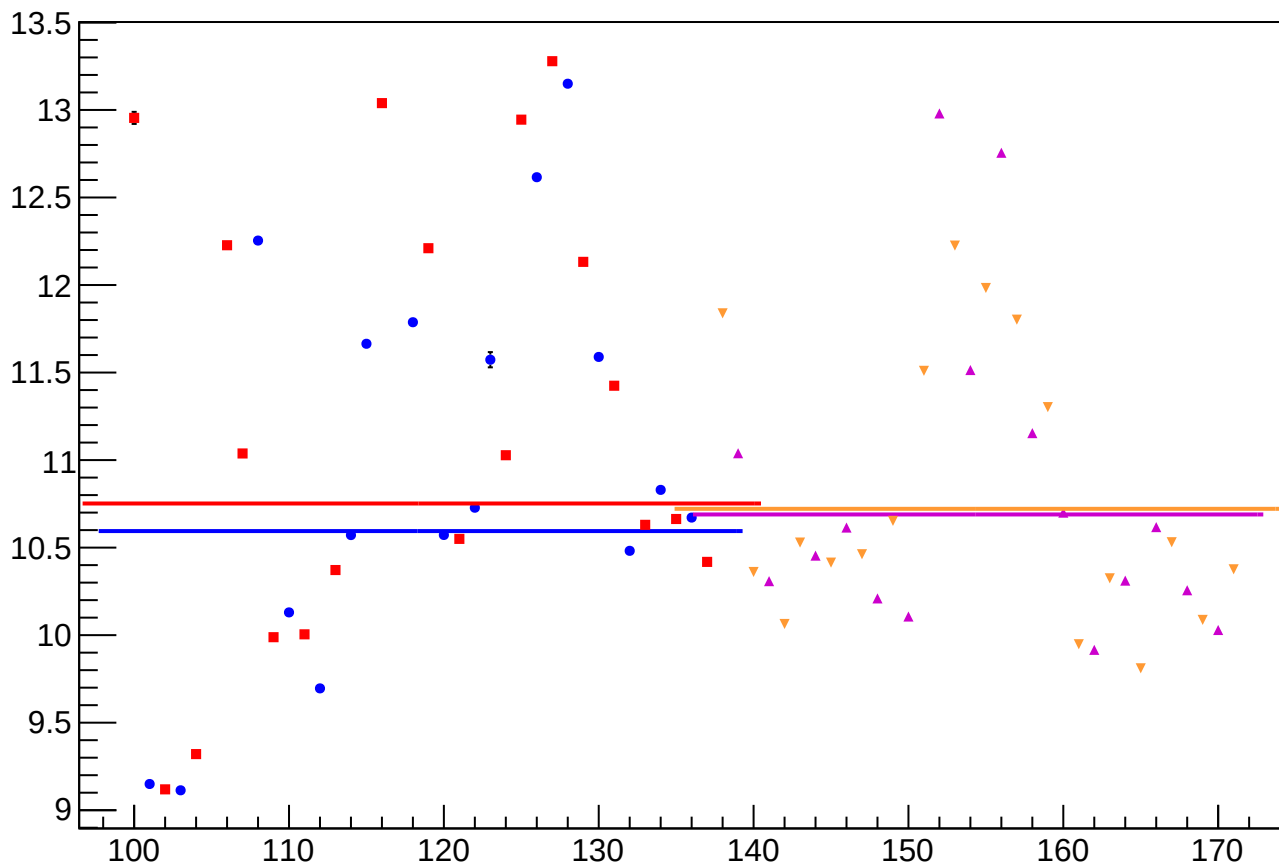
Right: 2.593 ± 2.912 $\chi^2/\text{NDF}: 51.8/35$

In: -5.312 ± 2.461 $\chi^2/\text{NDF}: 39.5/32$

Out: 3.959 ± 2.390 $\chi^2/\text{NDF}: 46.4/36$

All: -0.540 ± 1.715 $\chi^2/\text{NDF}: 93.2/69$

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: 10.722 $\pm$ 0.002 χ^2 /NDF:116307.1/17

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

Left In: 10.689 $\pm$ 0.002 χ^2 /NDF:135788.3/15

Left: 10.706 $\pm$ 0.001 χ^2 /NDF: 252210.5/33

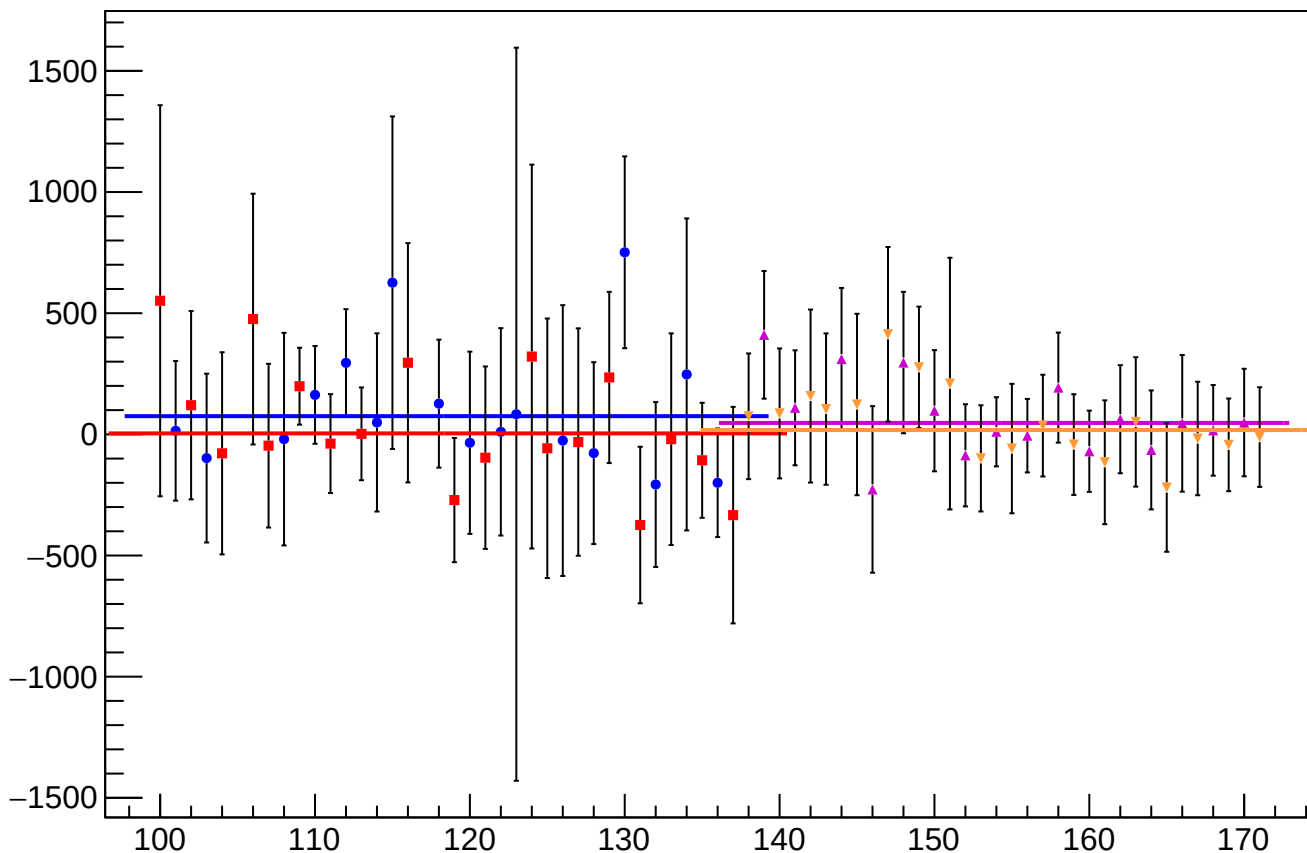
Right: 10.675 $\pm$ 0.002 χ^2 /NDF: 338695.4/35

In: 10.656 $\pm$ 0.002 χ^2 /NDF:296524.5/32

Out: 10.732 $\pm$ 0.002 χ^2 /NDF:293553.2/36

All: 10.695 $\pm$ 0.001 χ^2 /NDF: 591057.1/69

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: 17.779 $\pm$ 60.317 χ^2 /NDF:4.5/17

Right Out: 3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

Left In: 47.150 $\pm$ 53.591 χ^2 /NDF:5.9/15

Left: 34.193 $\pm$ 40.062 χ^2 /NDF: 10.6/33

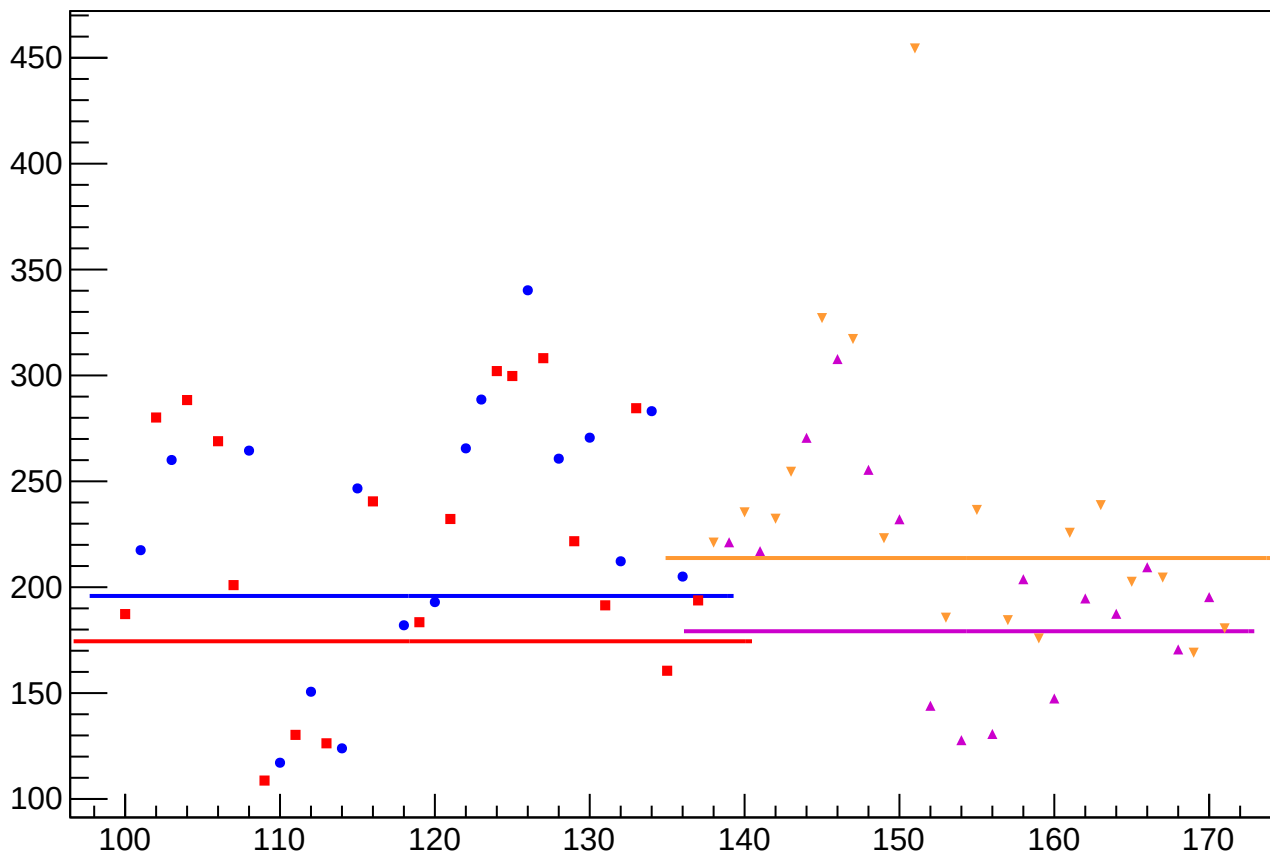
Right: 35.109 $\pm$ 53.156 χ^2 /NDF: 15.5/35

In: 55.751 $\pm$ 44.584 χ^2 /NDF:13.7/32

Out: 11.991 $\pm$ 45.937 χ^2 /NDF:11.9/36

All: 34.525 $\pm$ 31.993 χ^2 /NDF: 26.0/69

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869+/-0.057 χ^2/NDF : 979247.4/16

Left Out: 213.779+/-0.043 χ^2/NDF :1177402.3/17

Right Out: 174.465+/-0.050 χ^2/NDF : 1528778.5/18

Left In: 179.205+/-0.038 χ^2/NDF :1465939.5/15

Left: 194.458+/-0.028 χ^2/NDF : 3010583.6/33

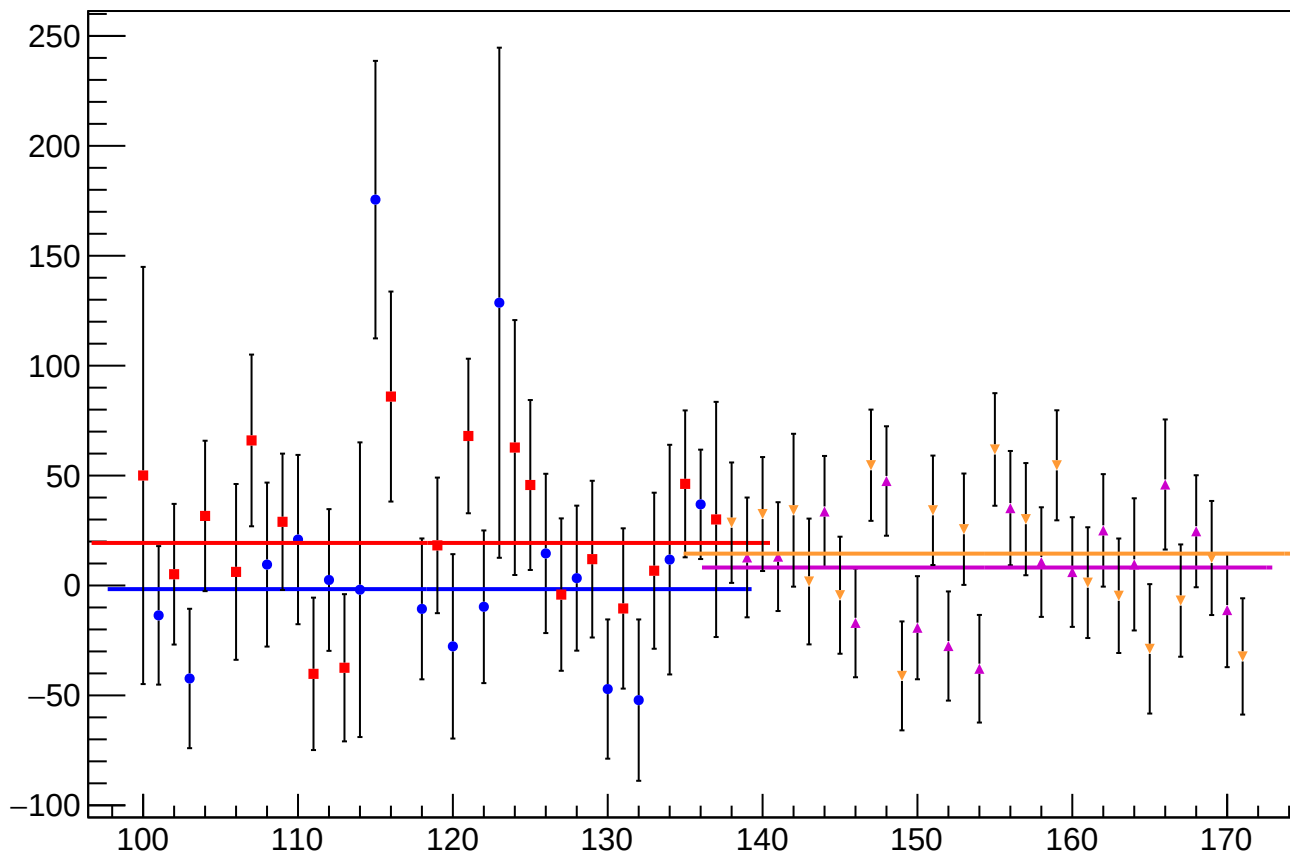
Right: 183.832+/-0.038 χ^2/NDF : 2587830.9/35

In: 184.335+/-0.032 χ^2/NDF :2504723.0/32

Out: 197.268+/-0.032 χ^2/NDF :3063026.4/36

All: 190.609+/-0.023 χ^2/NDF : 5649378.2/69

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: 14.492 ± 6.208 $\chi^2/\text{NDF}: 23.3/17$

Right Out: 19.357 ± 8.556 $\chi^2/\text{NDF}: 14.8/18$

Left In: 8.174 ± 6.403 $\chi^2/\text{NDF}: 15.7/15$

Left: 11.430 ± 4.457 $\chi^2/\text{NDF}: 39.6/33$

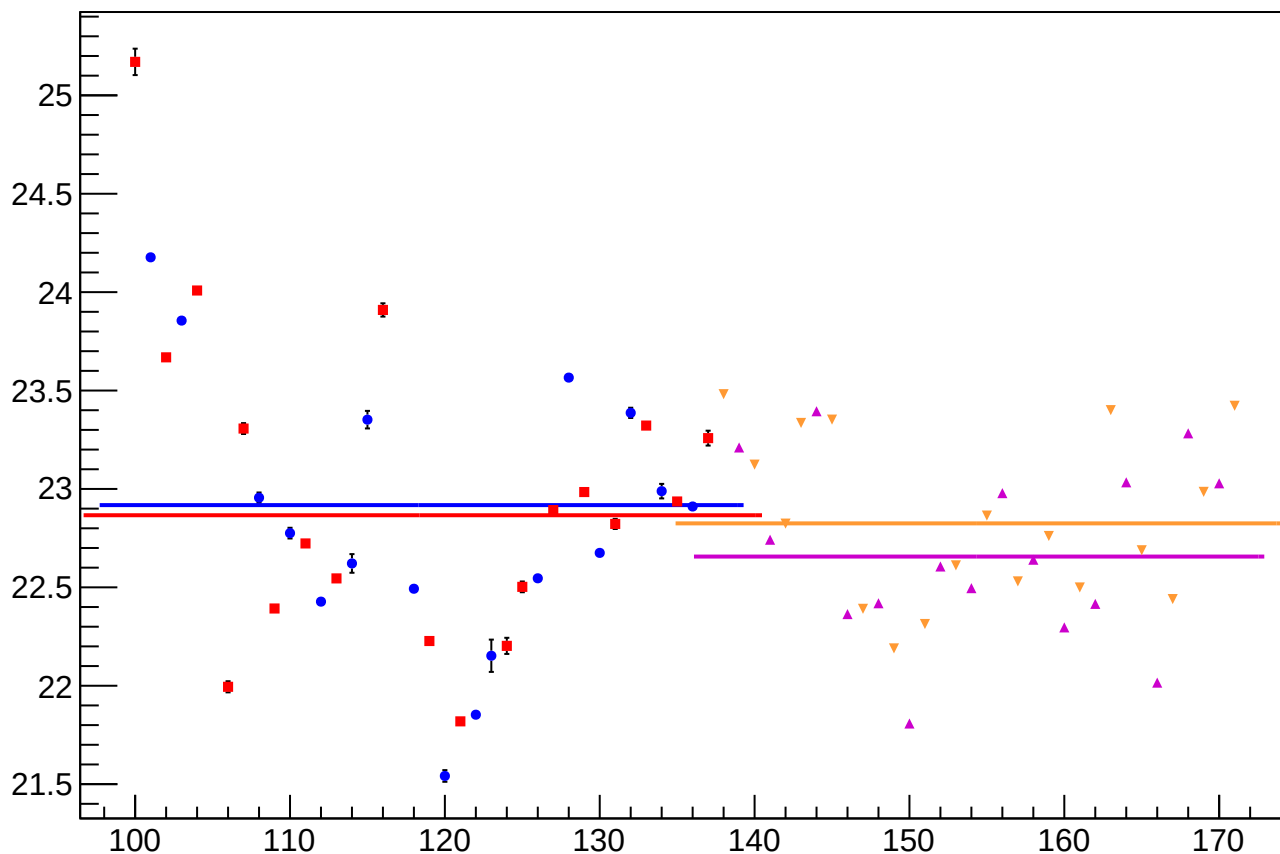
Right: 9.244 ± 6.162 $\chi^2/\text{NDF}: 36.2/35$

In: 4.813 ± 5.194 $\chi^2/\text{NDF}: 35.1/32$

Out: 16.170 ± 5.024 $\chi^2/\text{NDF}: 38.3/36$

All: 10.679 ± 3.611 $\chi^2/\text{NDF}: 75.9/69$

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: 22.825 $\pm$ 0.004 χ^2 /NDF:8911.8/17

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

Left In: 22.656 $\pm$ 0.005 χ^2 /NDF:9503.8/15

Left: 22.743 $\pm$ 0.003 χ^2 /NDF: 19130.6/33

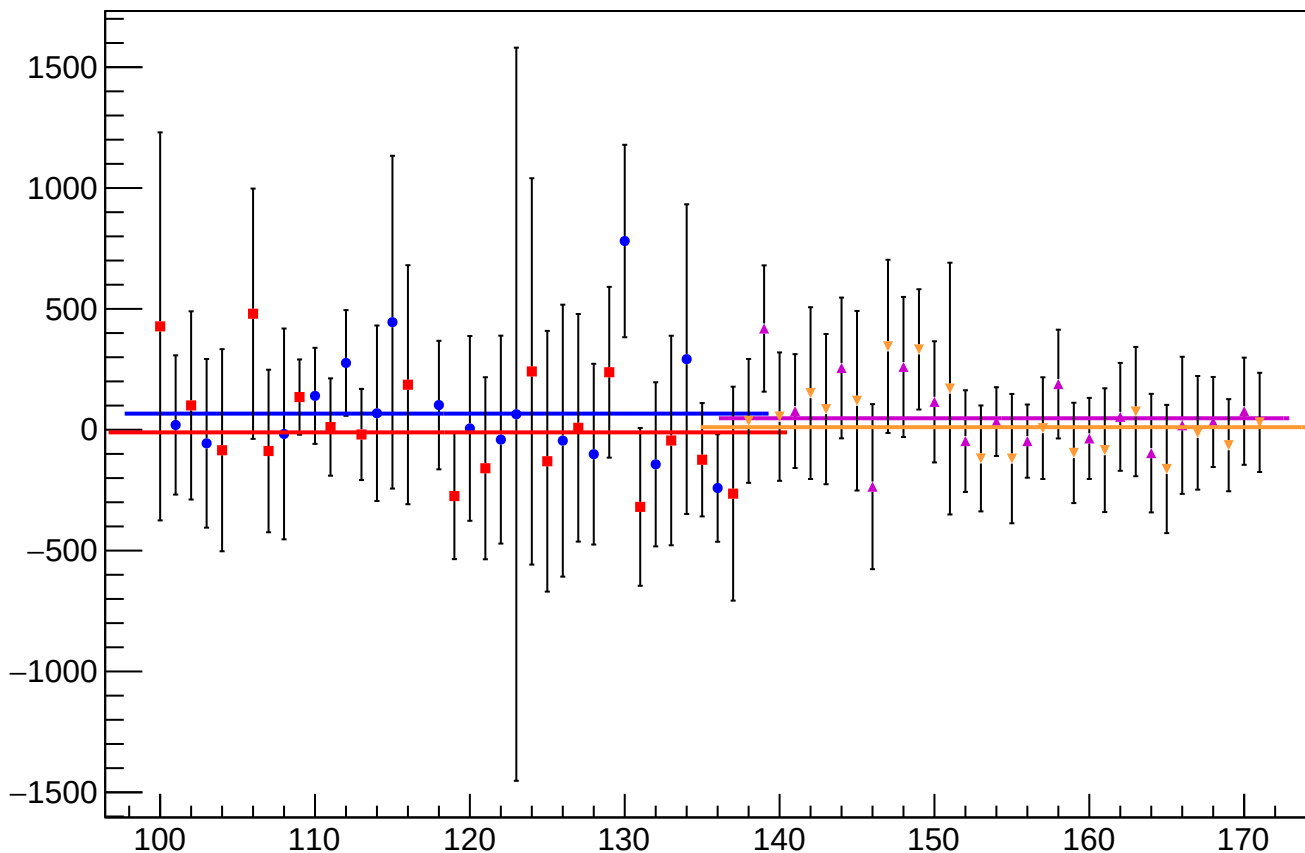
Right: 22.891 $\pm$ 0.004 χ^2 /NDF: 22559.6/35

In: 22.746 $\pm$ 0.004 χ^2 /NDF:22116.5/32

Out: 22.839 $\pm$ 0.004 χ^2 /NDF:19994.9/36

All: 22.794 $\pm$ 0.003 χ^2 /NDF: 42446.0/69

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: 10.655 $\pm$ 60.191 χ^2 /NDF:4.6/17

Right Out: -10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

Left In: 47.517 $\pm$ 53.438 χ^2 /NDF:5.5/15

Left: 31.269 $\pm$ 39.962 χ^2 /NDF: 10.3/33

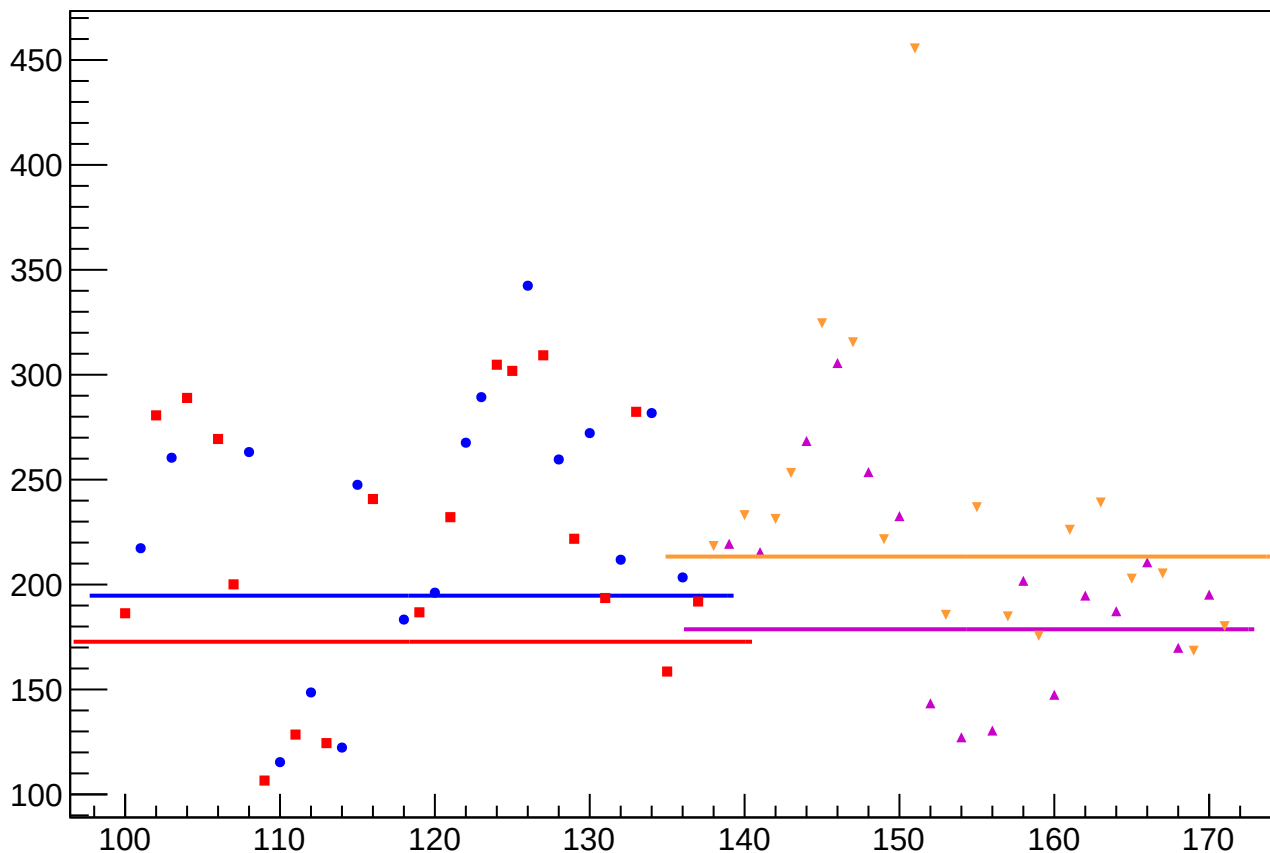
Right: 22.979 $\pm$ 52.843 χ^2 /NDF: 13.8/35

In: 53.436 $\pm$ 44.435 χ^2 /NDF:13.0/32

Out: 1.563 $\pm$ 45.746 χ^2 /NDF:10.4/36

All: 28.253 $\pm$ 31.874 χ^2 /NDF: 24.1/69

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: 213.344+/-0.043 χ^2/NDF :1168797.0/17

Right Out: 172.753+/-0.050 χ^2/NDF : 1596944.9/18

Left In: 178.691+/-0.038 χ^2/NDF :1455824.5/15

Left: 193.965+/-0.028 χ^2/NDF : 2995325.5/33

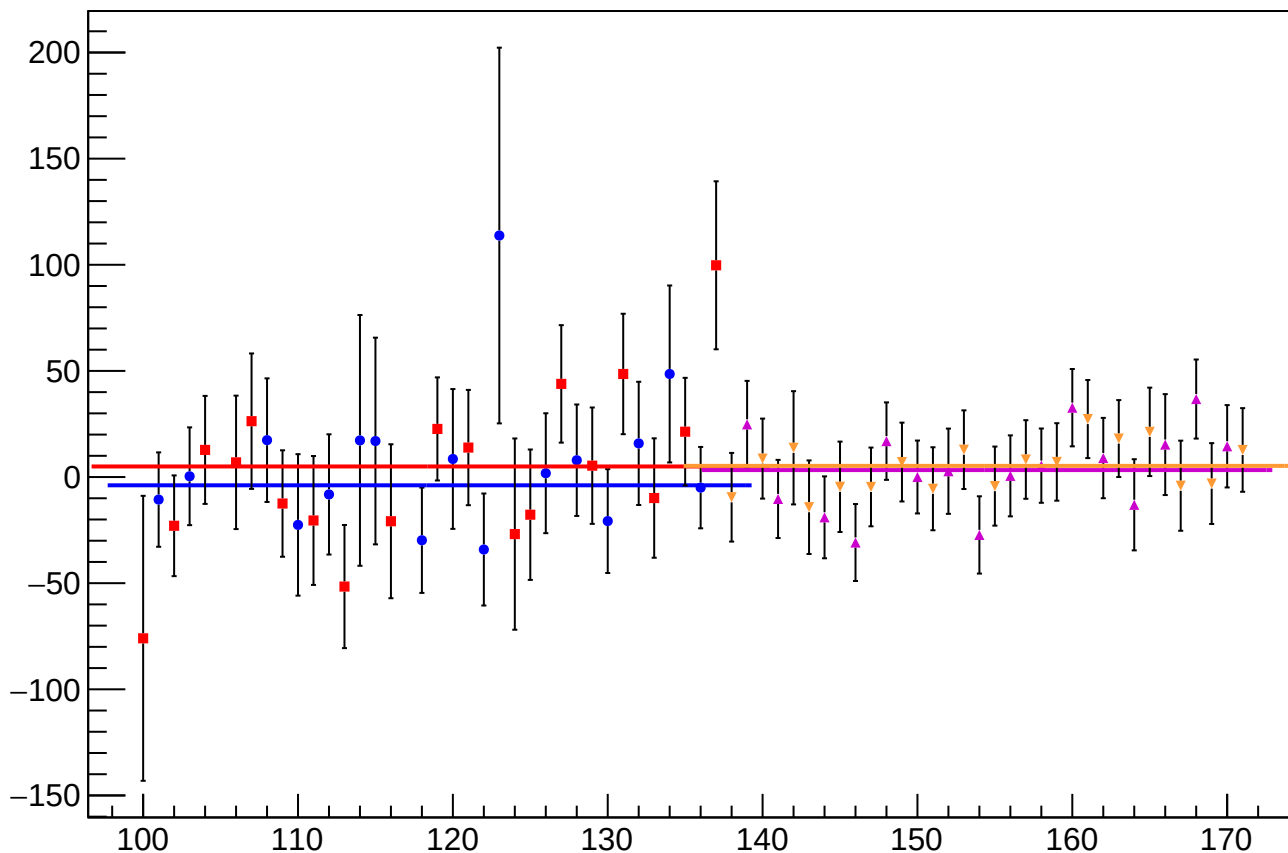
Right: 182.331+/-0.037 χ^2/NDF : 2701685.9/35

In: 183.632+/-0.031 χ^2/NDF :2531100.2/32

Out: 196.199+/-0.032 χ^2/NDF :3149921.0/36

All: 189.733+/-0.023 χ^2/NDF : 5758683.0/69

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: 5.263 ± 4.624 χ^2/NDF : 5.8/17

Right Out: 4.985 ± 6.727 χ^2/NDF : 21.3/18

Left In: 3.276 ± 4.754 χ^2/NDF : 17.1/15

Left: 4.297 ± 3.314 χ^2/NDF : 22.9/33

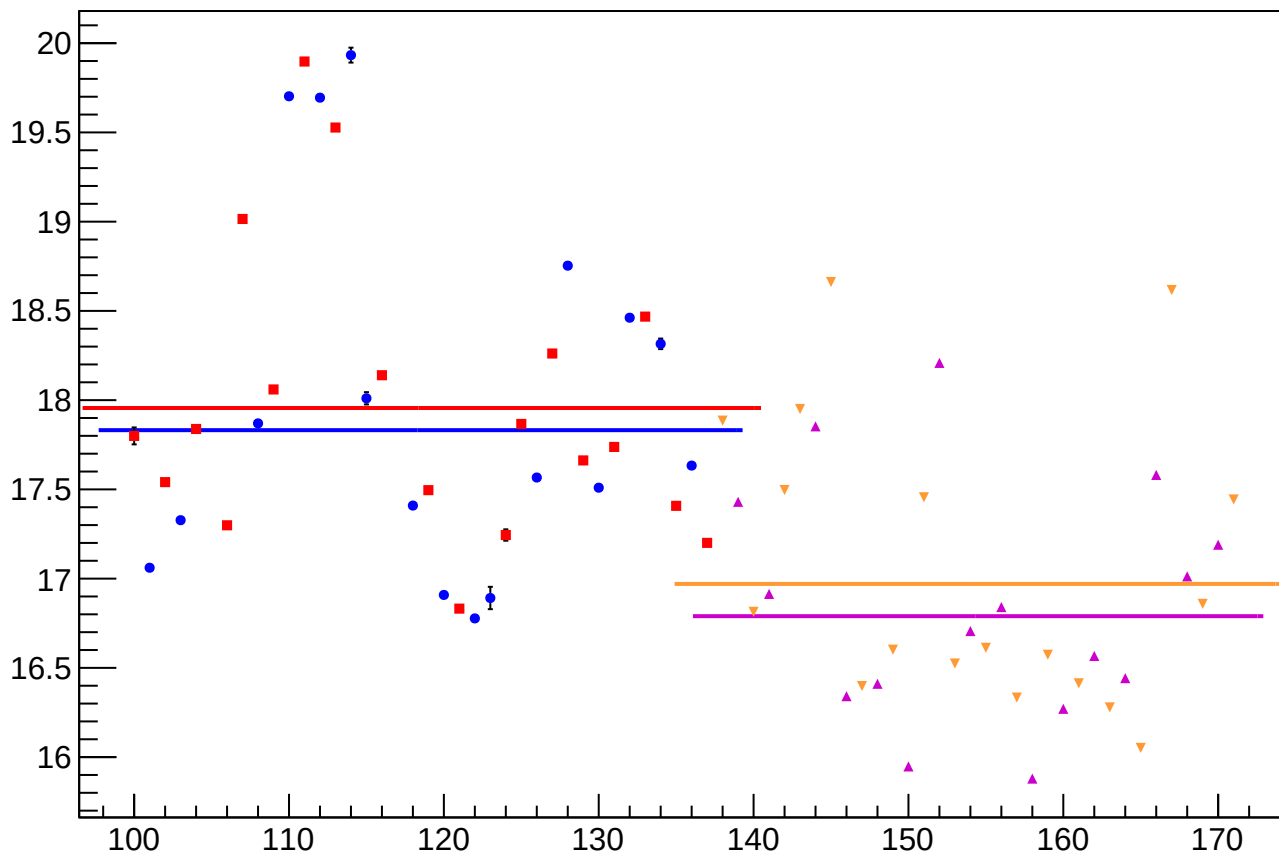
Right: 0.668 ± 4.822 χ^2/NDF : 30.6/35

In: 0.975 ± 3.917 χ^2/NDF : 26.2/32

Out: 5.174 ± 3.810 χ^2/NDF : 27.1/36

All: 3.132 ± 2.731 χ^2/NDF : 53.9/69

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 16.970 $\pm$ 0.003 χ^2 /NDF:52363.7/17

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

Left In: 16.790 $\pm$ 0.003 χ^2 /NDF:36247.6/15

Left: 16.883 $\pm$ 0.002 χ^2 /NDF: 90097.1/33

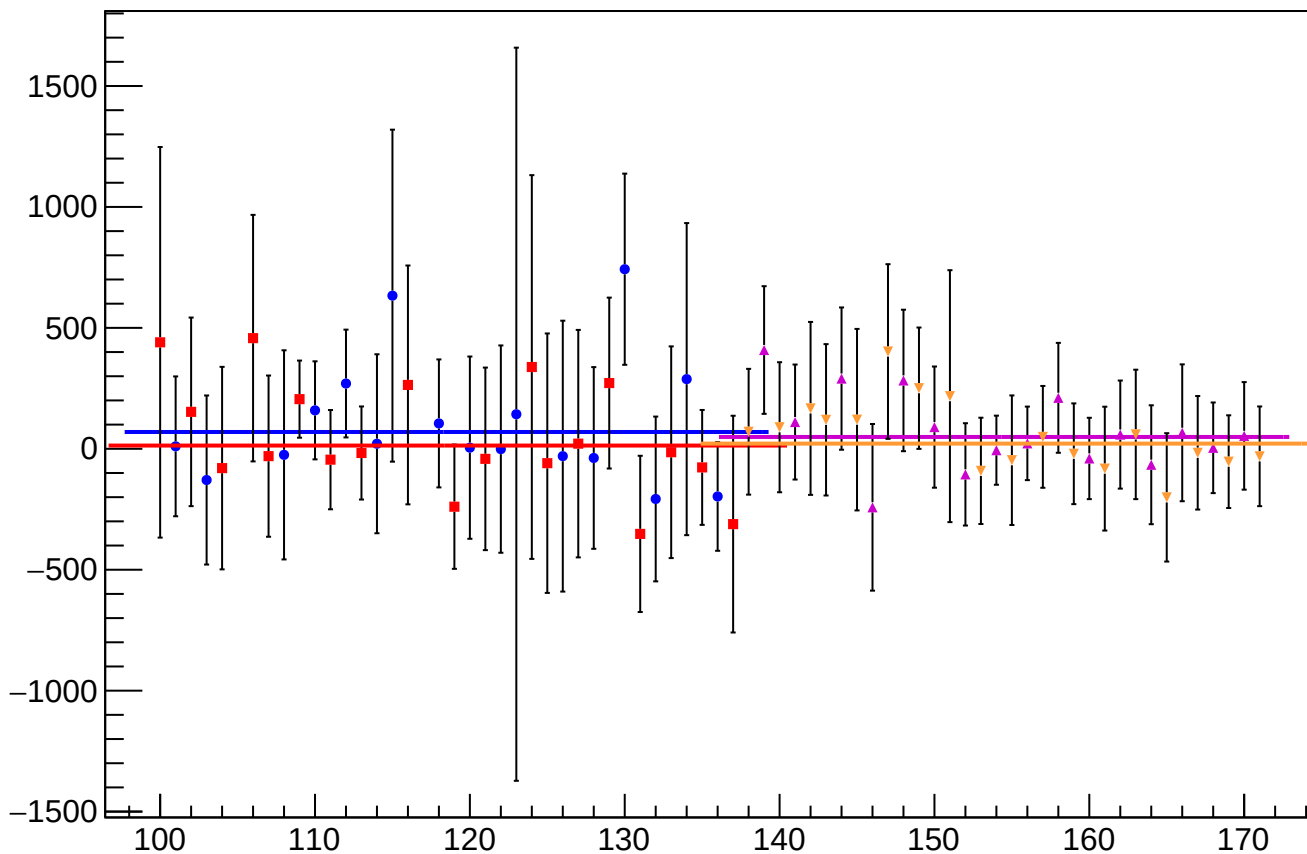
Right: 17.896 $\pm$ 0.003 χ^2 /NDF: 56643.8/35

In: 17.124 $\pm$ 0.003 χ^2 /NDF:97956.3/32

Out: 17.287 $\pm$ 0.003 χ^2 /NDF:106970.6/36

All: 17.208 $\pm$ 0.002 χ^2 /NDF: 206696.6/69

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: 21.465+/-60.453 χ^2/NDF : 4.0/17

Right Out: 13.410+/-71.041 χ^2/NDF : 6.7/18

Left In: 48.956+/-53.700 χ^2/NDF : 5.8/15

Left: 36.831+/-40.148 χ^2/NDF : 9.9/33

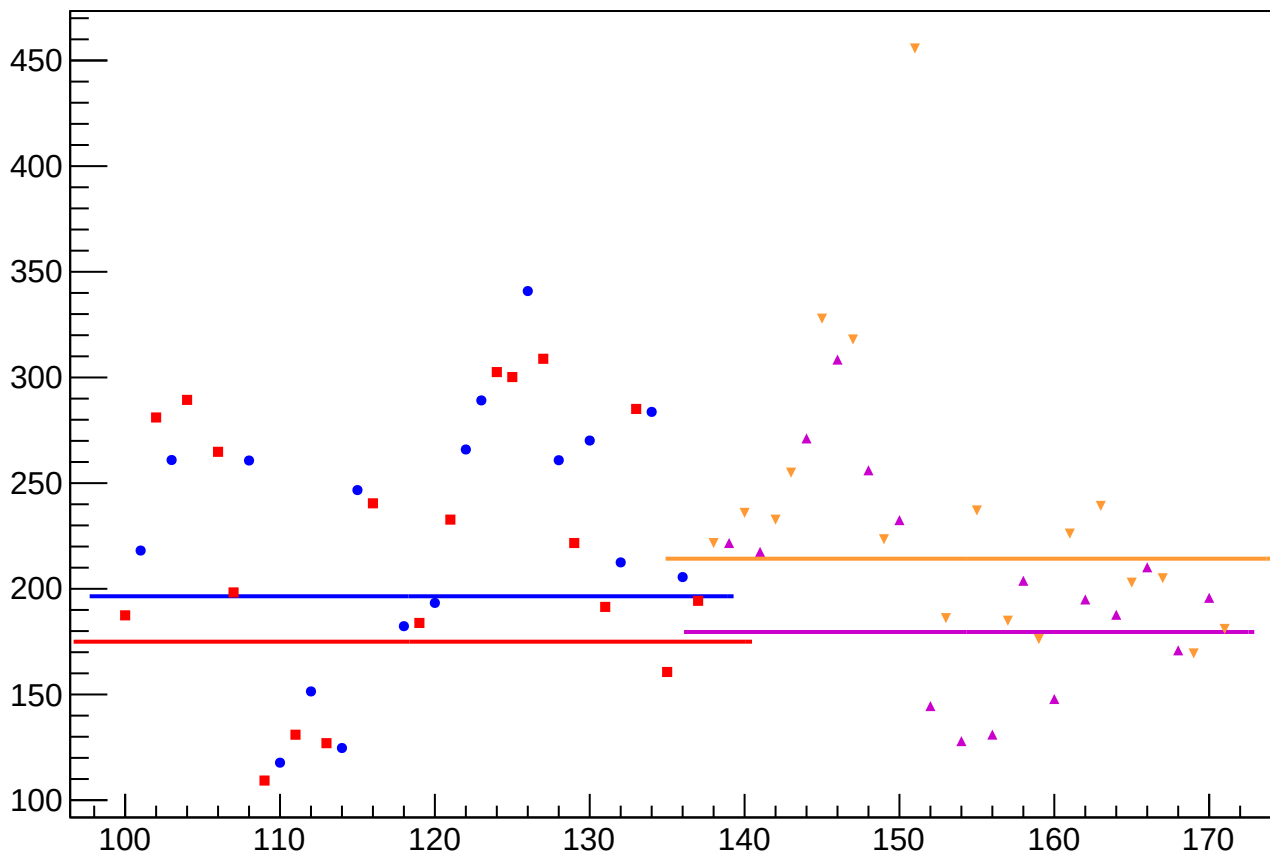
Right: 37.955+/-53.280 χ^2/NDF : 14.4/35

In: 55.280+/-44.681 χ^2/NDF : 13.2/32

Out: 18.082+/-46.040 χ^2/NDF : 10.8/36

All: 37.238+/-32.064 χ^2/NDF : 24.3/69

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470+/-0.057 χ^2/NDF : 964281.5/16

Left Out: 214.259+/-0.043 χ^2/NDF :1177404.3/17

Right Out: 174.981+/-0.050 χ^2/NDF : 1511102.3/18

Left In: 179.569+/-0.038 χ^2/NDF :1465726.9/15

Left: 194.869+/-0.028 χ^2/NDF : 3011247.3/33

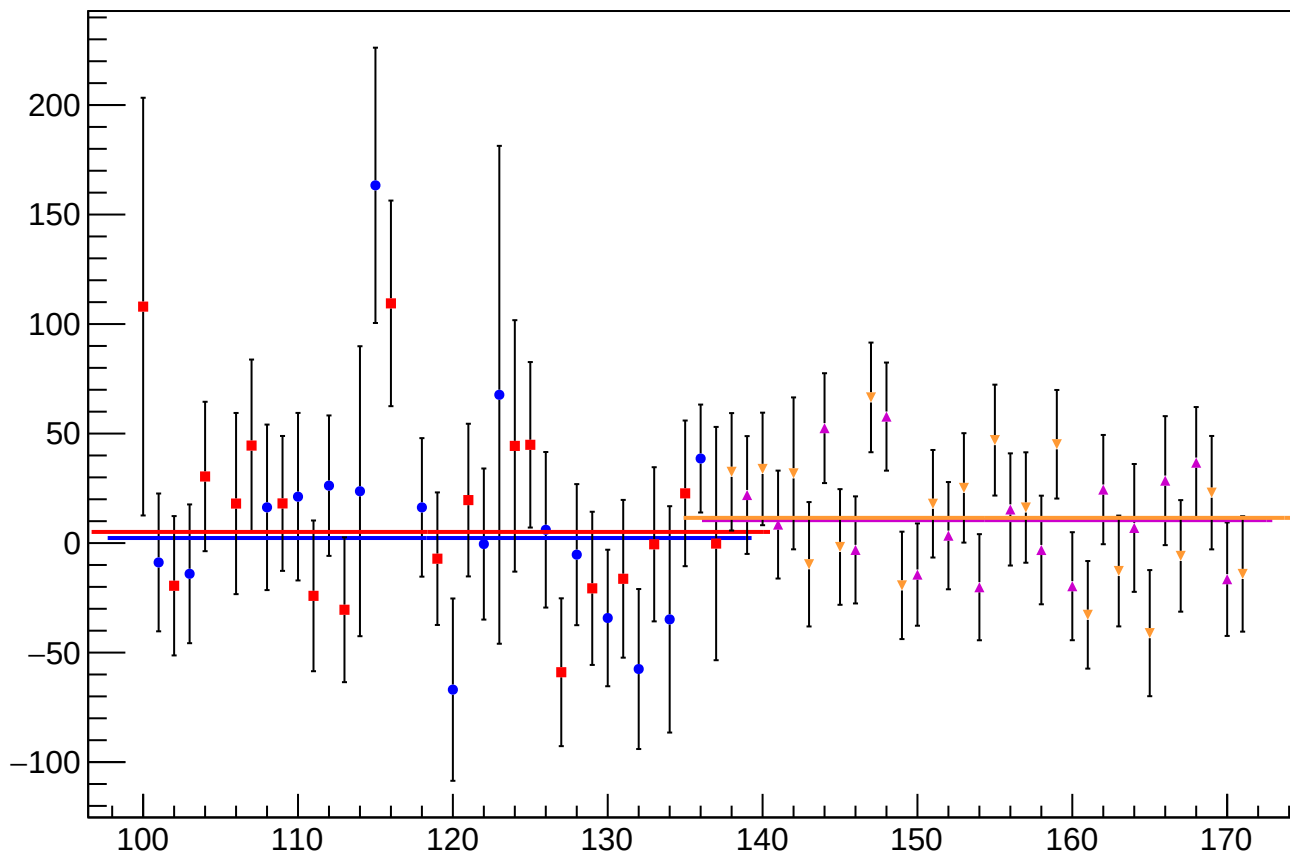
Right: 184.383+/-0.038 χ^2/NDF : 2555448.8/35

In: 184.769+/-0.032 χ^2/NDF :2490970.4/32

Out: 197.762+/-0.033 χ^2/NDF :3043099.6/36

All: 191.071+/-0.023 χ^2/NDF : 5616104.0/69

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: 11.513 ± 6.132 $\chi^2/\text{NDF}: 22.3/17$

Right Out: 5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

Left In: 10.468 ± 6.336 $\chi^2/\text{NDF}: 14.5/15$

Left: 11.008 ± 4.406 $\chi^2/\text{NDF}: 36.7/33$

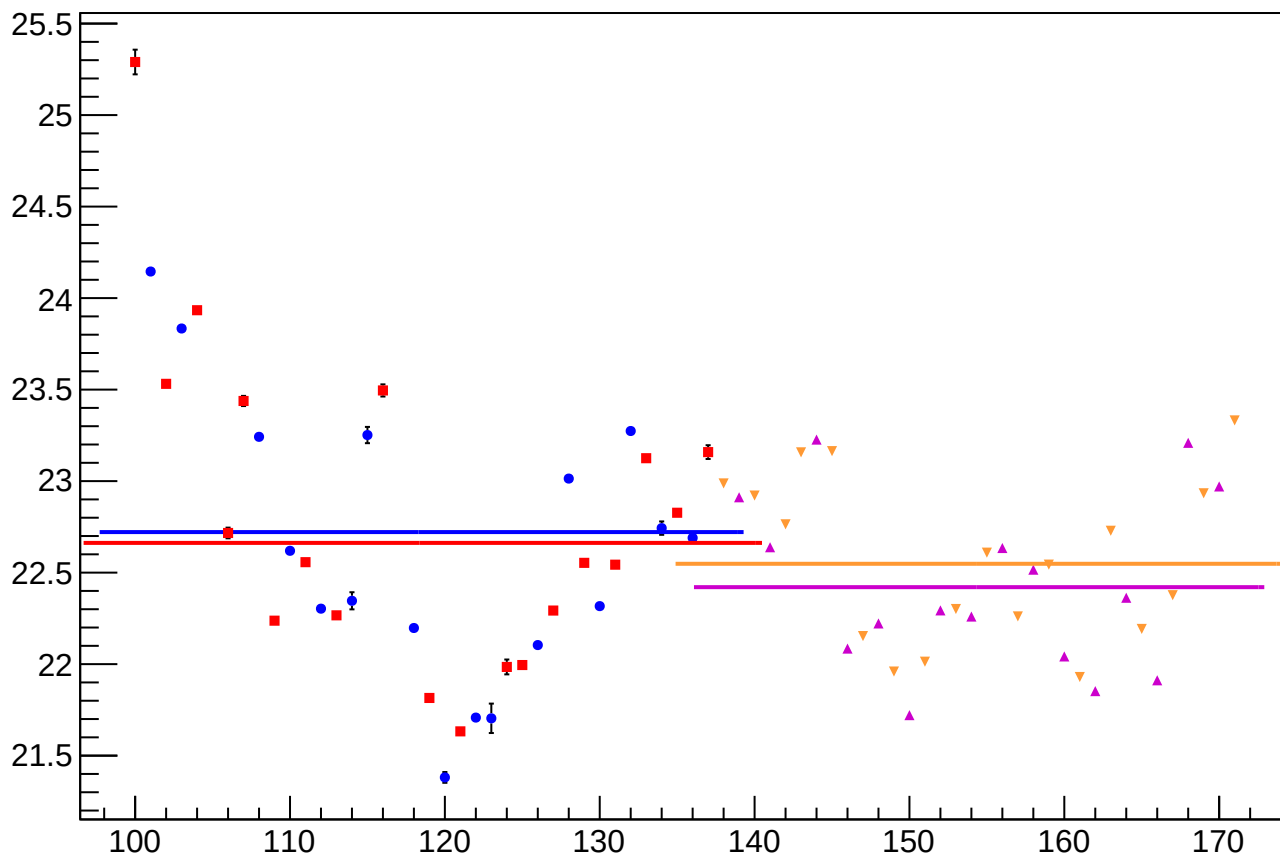
Right: 3.750 ± 6.108 $\chi^2/\text{NDF}: 35.3/35$

In: 7.684 ± 5.143 $\chi^2/\text{NDF}: 33.1/32$

Out: 9.307 ± 4.969 $\chi^2/\text{NDF}: 39.8/36$

All: 8.523 ± 3.573 $\chi^2/\text{NDF}: 73.0/69$

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: 22.548 $\pm$ 0.004 χ^2 /NDF:10087.0/17

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

Left In: 22.421 $\pm$ 0.004 χ^2 /NDF:10444.5/15

Left: 22.487 $\pm$ 0.003 χ^2 /NDF: 20951.0/33

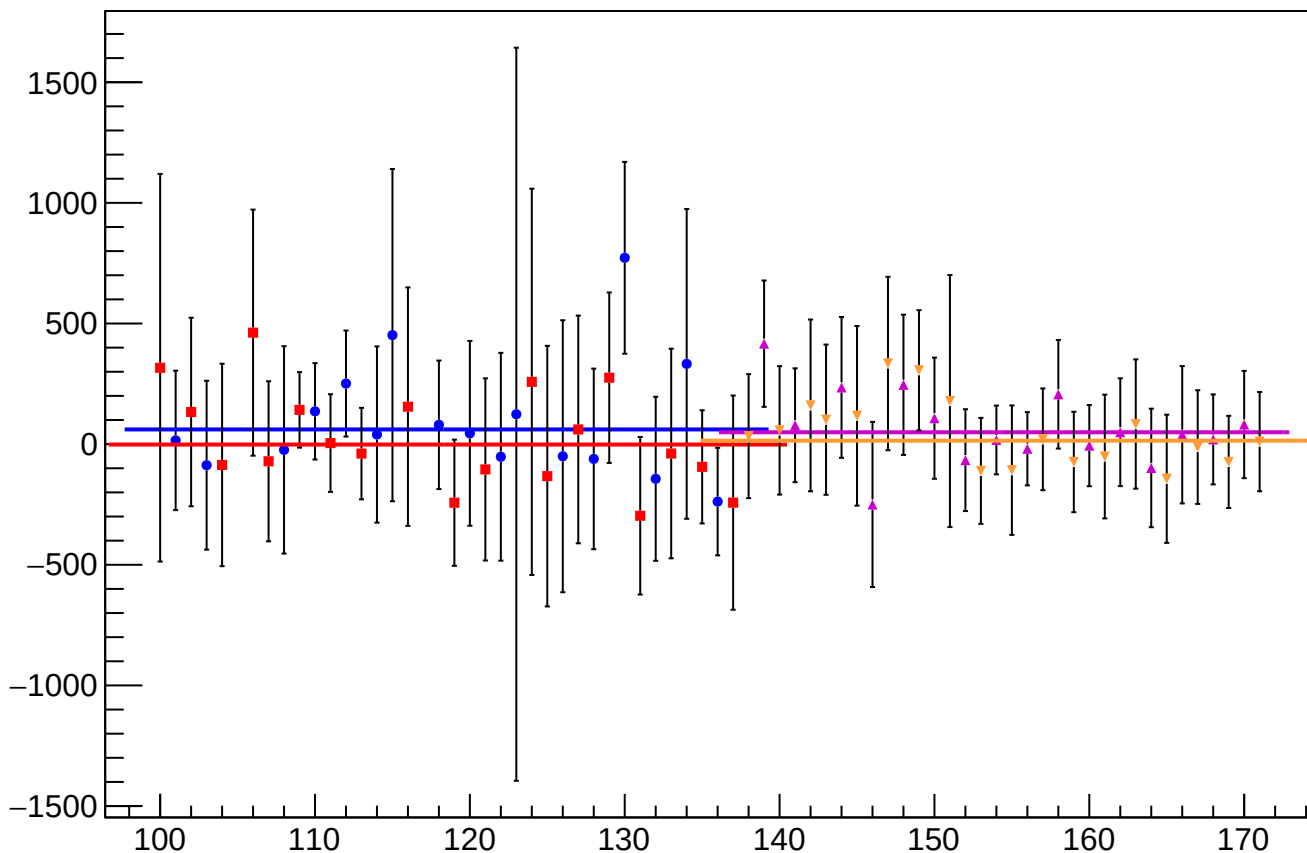
Right: 22.691 $\pm$ 0.004 χ^2 /NDF: 26582.8/35

In: 22.523 $\pm$ 0.004 χ^2 /NDF:25564.1/32

Out: 22.588 $\pm$ 0.004 χ^2 /NDF:23280.4/36

All: 22.556 $\pm$ 0.003 χ^2 /NDF: 49006.0/69

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: 14.393 $\pm$ 60.327 χ^2 /NDF:4.0/17

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

Left In: 49.254 $\pm$ 53.546 χ^2 /NDF:5.2/15

Left: 33.892 $\pm$ 40.047 χ^2 /NDF: 9.5/33

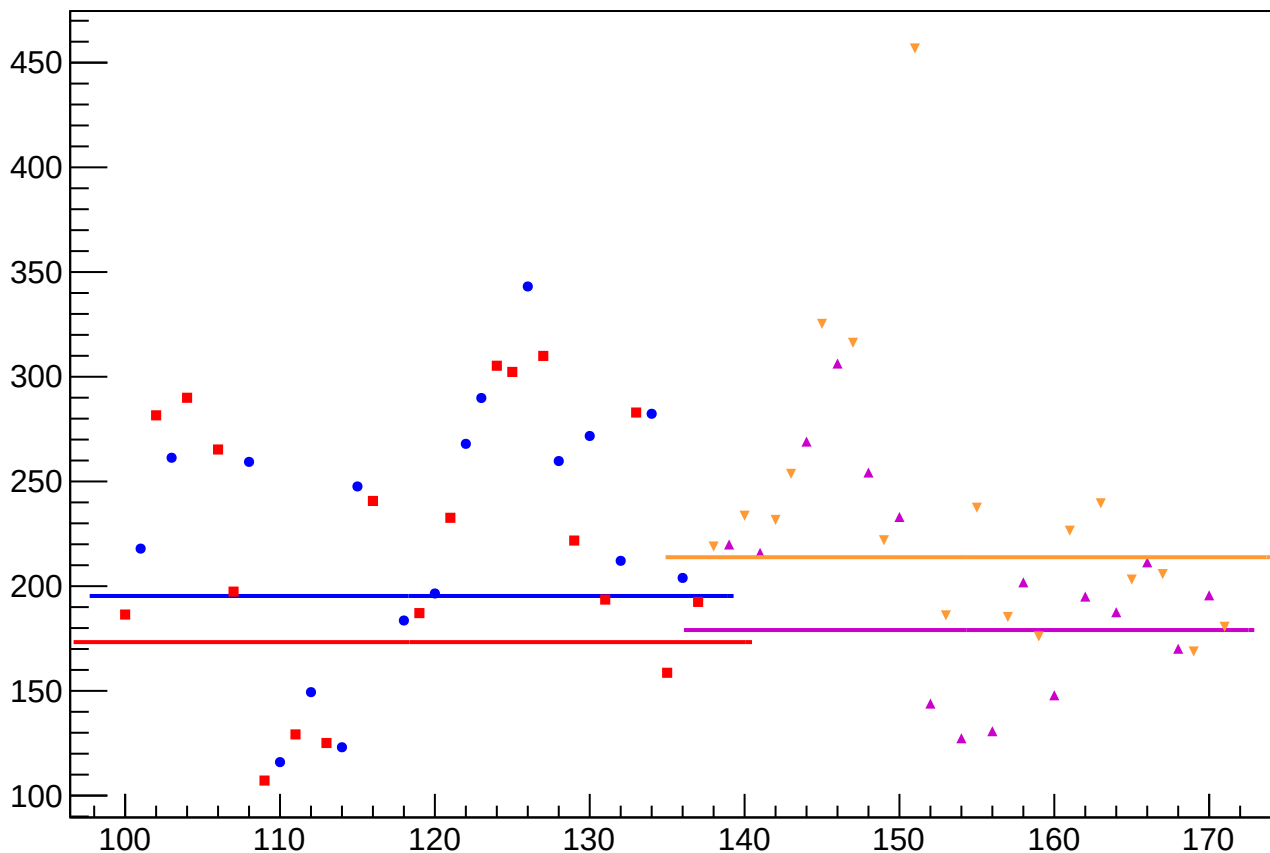
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 52.863 $\pm$ 44.532 χ^2 /NDF:12.5/32

Out: 7.618 $\pm$ 45.850 χ^2 /NDF:9.2/36

All: 30.900 $\pm$ 31.945 χ^2 /NDF: 22.2/69

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 213.822+/-0.043 χ^2/NDF :1168801.1/17

Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

Left In: 179.053+/-0.038 χ^2/NDF :1455707.5/15

Left: 194.375+/-0.028 χ^2/NDF : 2996110.9/33

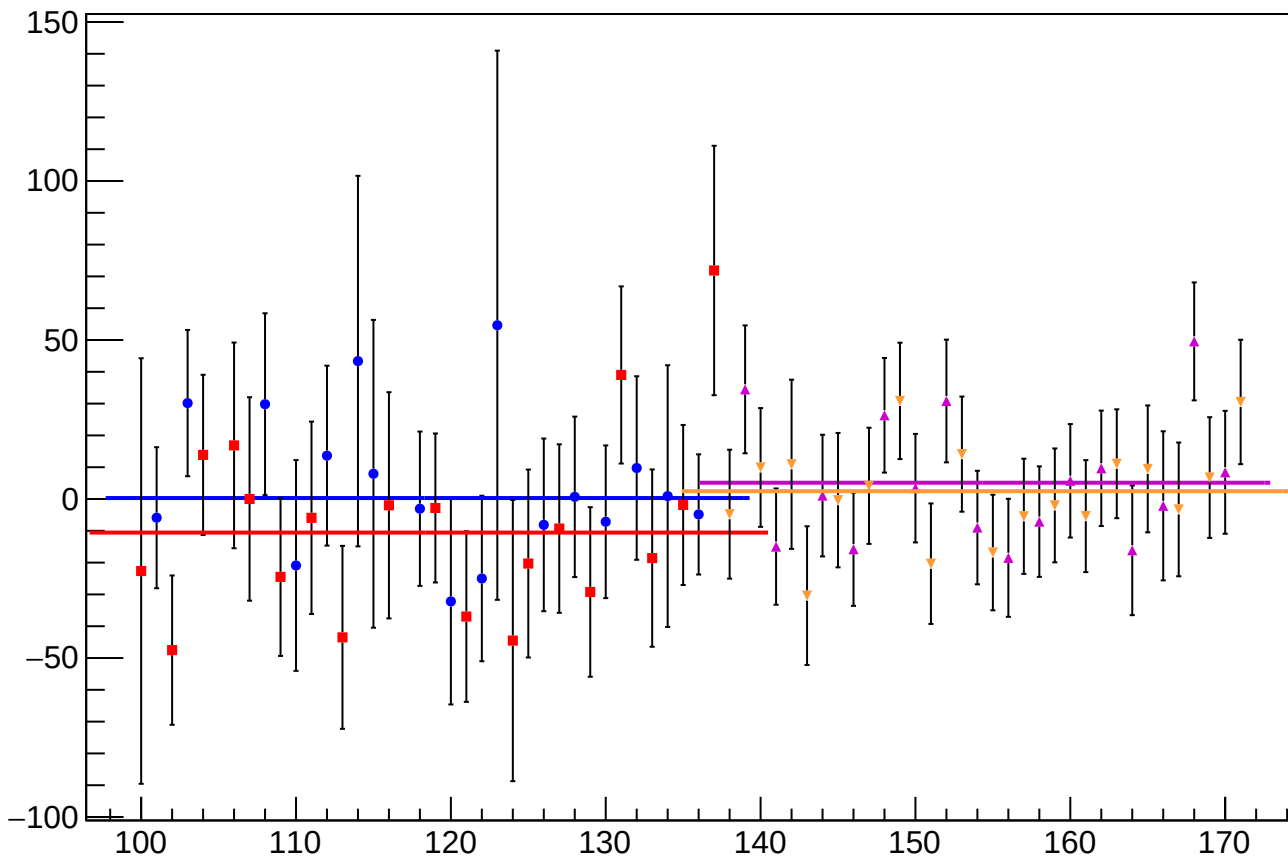
Right: 182.896+/-0.037 χ^2/NDF : 2667678.3/35

In: 184.067+/-0.031 χ^2/NDF :2516804.0/32

Out: 196.701+/-0.032 χ^2/NDF :3128610.6/36

All: 190.200+/-0.023 χ^2/NDF : 5723548.6/69

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: 2.460 ± 4.523 $\chi^2/\text{NDF}: 11.1/17$

Right Out: -10.553 ± 6.628 $\chi^2/\text{NDF}: 16.0/18$

Left In: 5.125 ± 4.668 $\chi^2/\text{NDF}: 17.7/15$

Left: 3.750 ± 3.248 $\chi^2/\text{NDF}: 28.9/33$

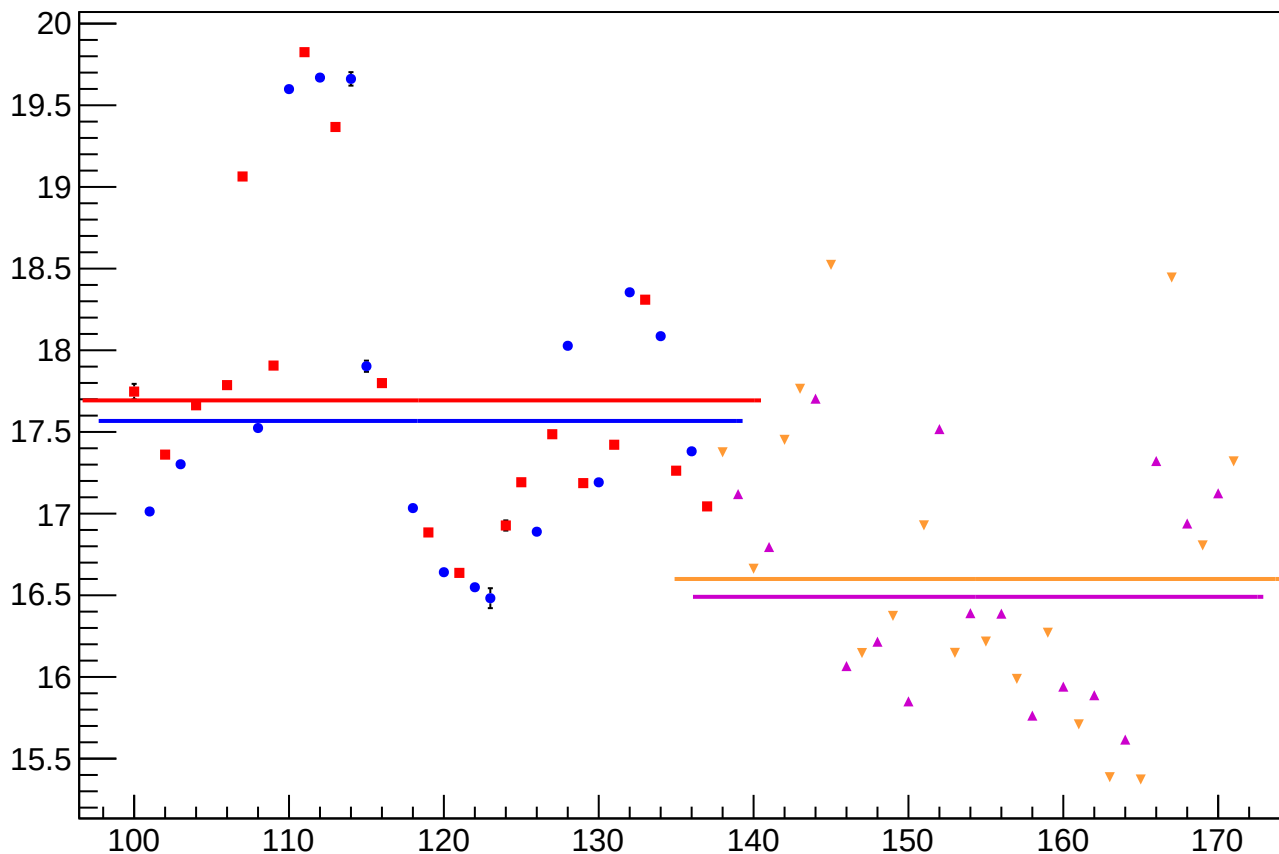
Right: -5.273 ± 4.751 $\chi^2/\text{NDF}: 24.1/35$

In: 3.585 ± 3.851 $\chi^2/\text{NDF}: 24.8/32$

Out: -1.675 ± 3.736 $\chi^2/\text{NDF}: 29.8/36$

All: 0.876 ± 2.681 $\chi^2/\text{NDF}: 55.5/69$

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: 16.600 $\pm$ 0.003 χ^2 /NDF: 75574.7/17

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.491 $\pm$ 0.003 χ^2 /NDF: 37881.4/15

Left: 16.547 $\pm$ 0.002 χ^2 /NDF: 114021.3/33

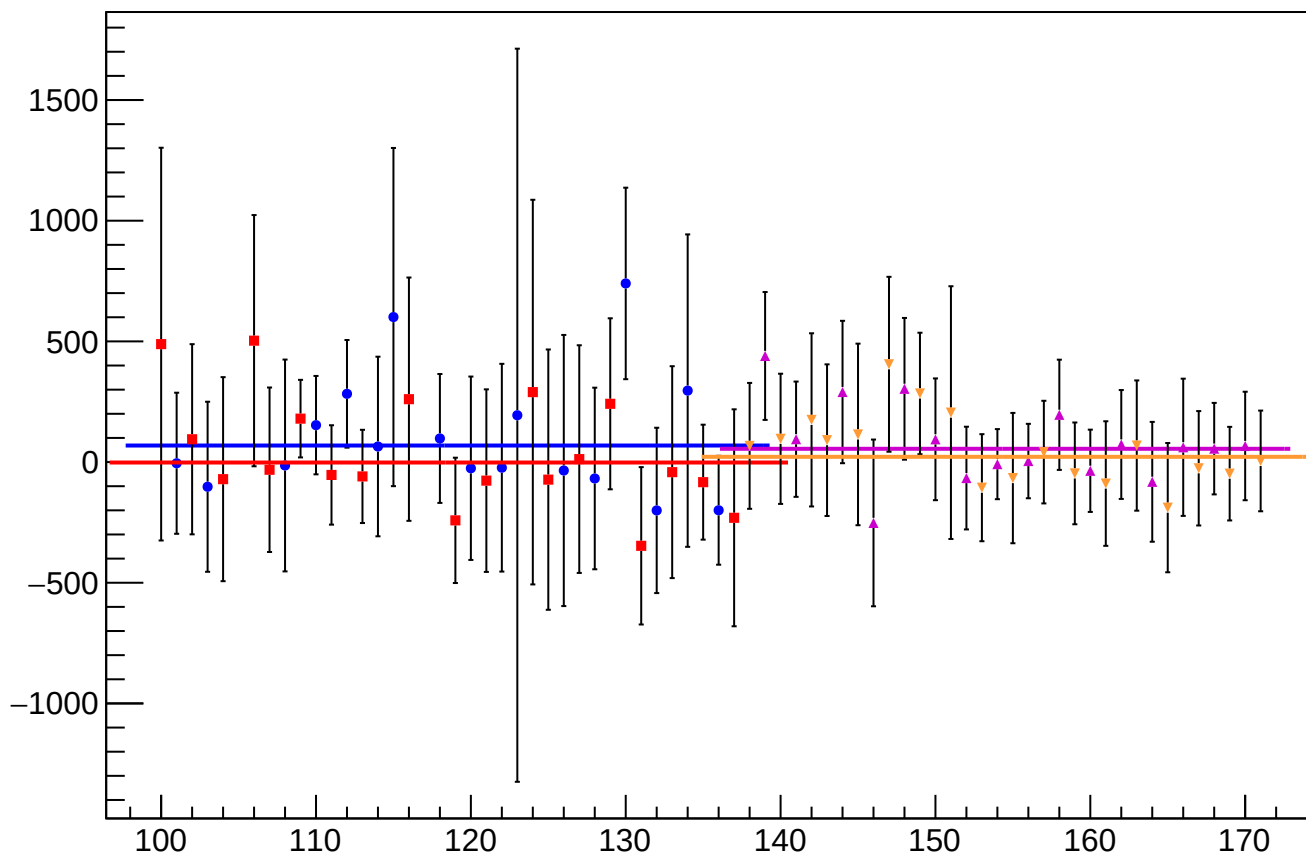
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.835 $\pm$ 0.003 χ^2 /NDF: 105028.1/32

Out: 16.947 $\pm$ 0.003 χ^2 /NDF: 143469.1/36

All: 16.893 $\pm$ 0.002 χ^2 /NDF: 249378.9/69

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 21.751+/-60.943 χ^2/NDF : 4.3/17

Right Out: -1.831+/-71.538 χ^2/NDF : 6.1/18

Left In: 54.989+/-54.229 χ^2/NDF : 5.9/15

Left: 40.301+/-40.512 χ^2/NDF : 10.4/33

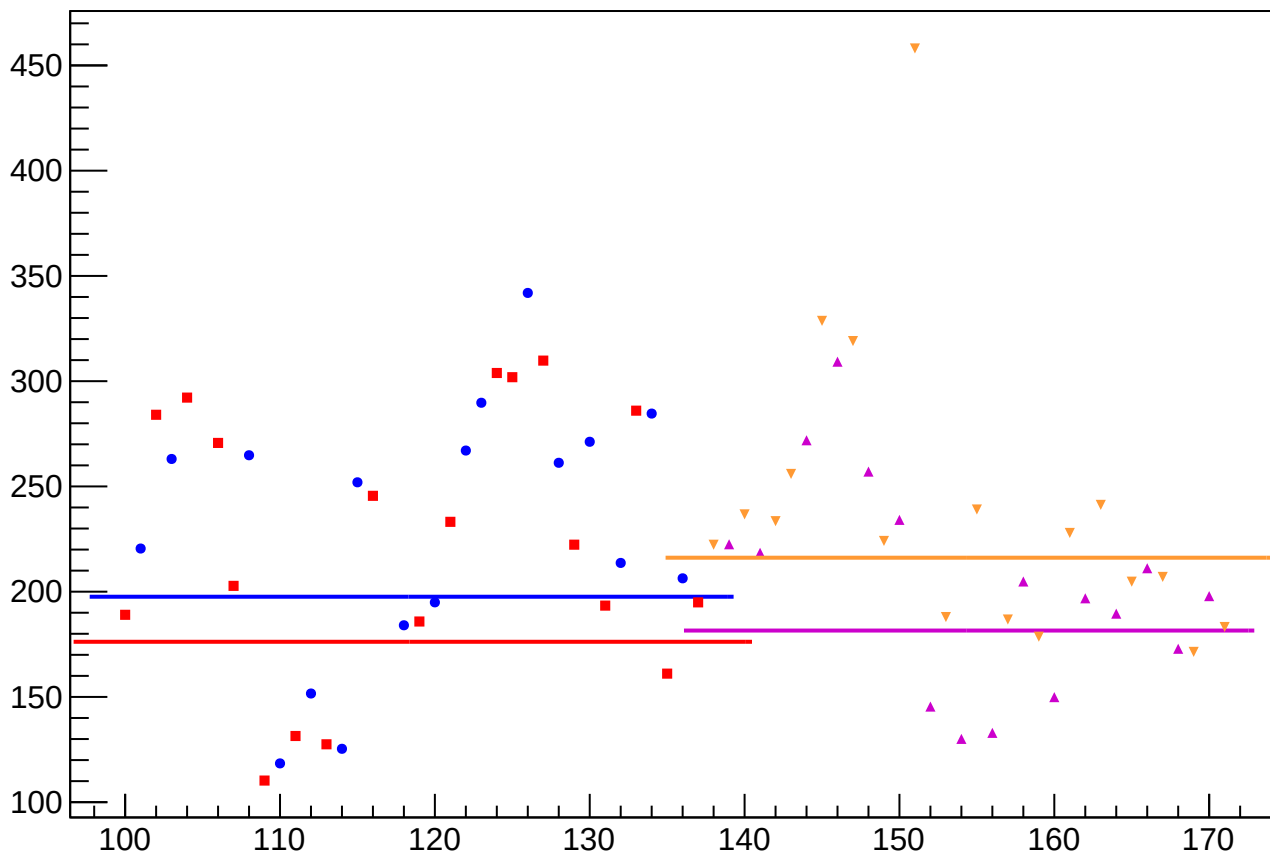
Right: 29.004+/-53.625 χ^2/NDF : 13.9/35

In: 59.186+/-45.065 χ^2/NDF : 13.2/32

Out: 11.834+/-46.391 χ^2/NDF : 10.5/36

All: 36.196+/-32.325 χ^2/NDF : 24.3/69

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603+/-0.057 χ^2/NDF : 968827.8/16

Left Out: 216.141+/-0.043 χ^2/NDF : 1151363.5/17

Right Out: 176.201+/-0.051 χ^2/NDF : 1519832.7/18

Left In: 181.537+/-0.038 χ^2/NDF : 1421234.9/15

Left: 196.829+/-0.029 χ^2/NDF : 2932462.0/33

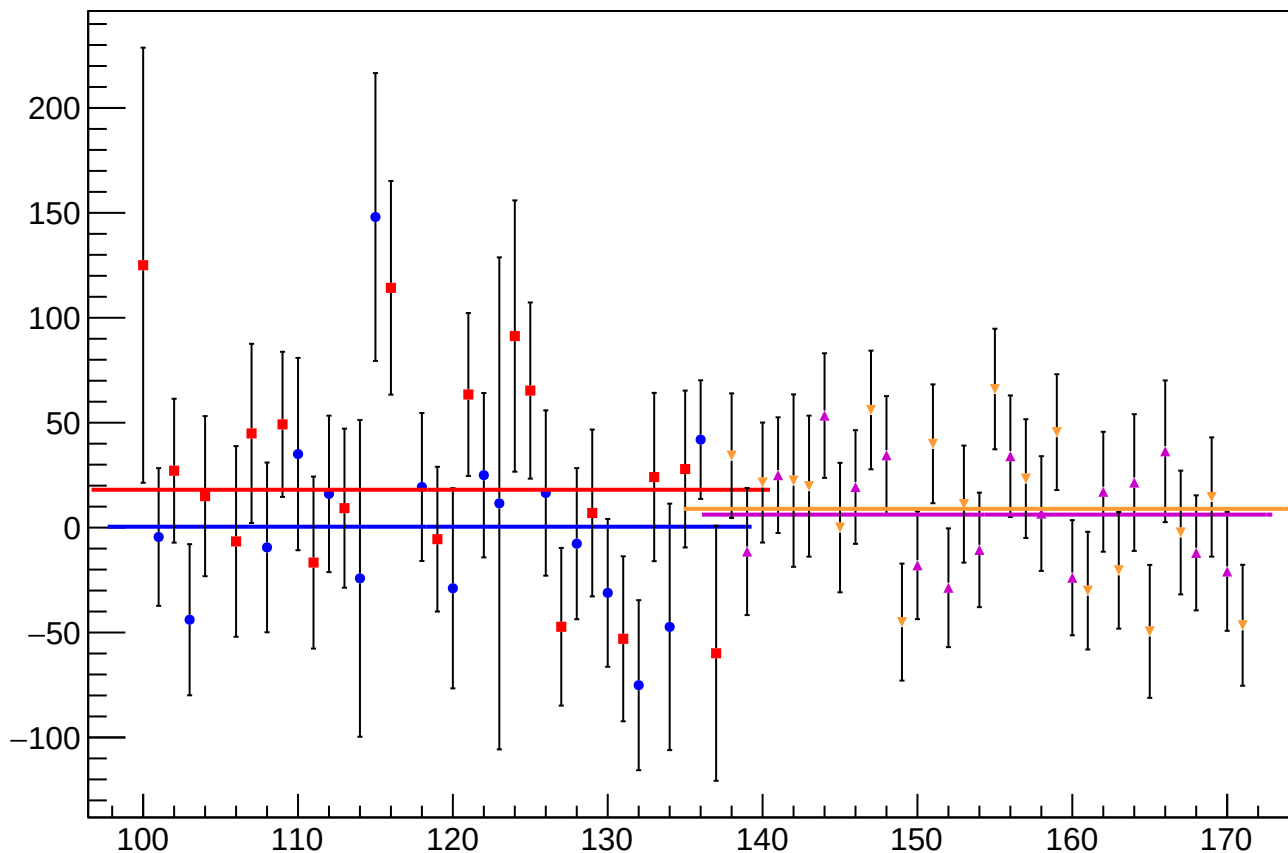
Right: 185.577+/-0.038 χ^2/NDF : 2567082.7/35

In: 186.508+/-0.032 χ^2/NDF : 2444376.8/32

Out: 199.345+/-0.033 χ^2/NDF : 3032433.6/36

All: 192.740+/-0.023 χ^2/NDF : 5555596.1/69

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427+/-9.884 χ^2/NDF : 15.5/16

Left Out: 8.942+/-6.920 χ^2/NDF :25.2/17

Right Out: 18.044+/-9.499 χ^2/NDF : 19.5/18

Left In: 6.188+/-7.115 χ^2/NDF :12.0/15

Left: 7.603+/-4.961 χ^2/NDF : 37.3/33

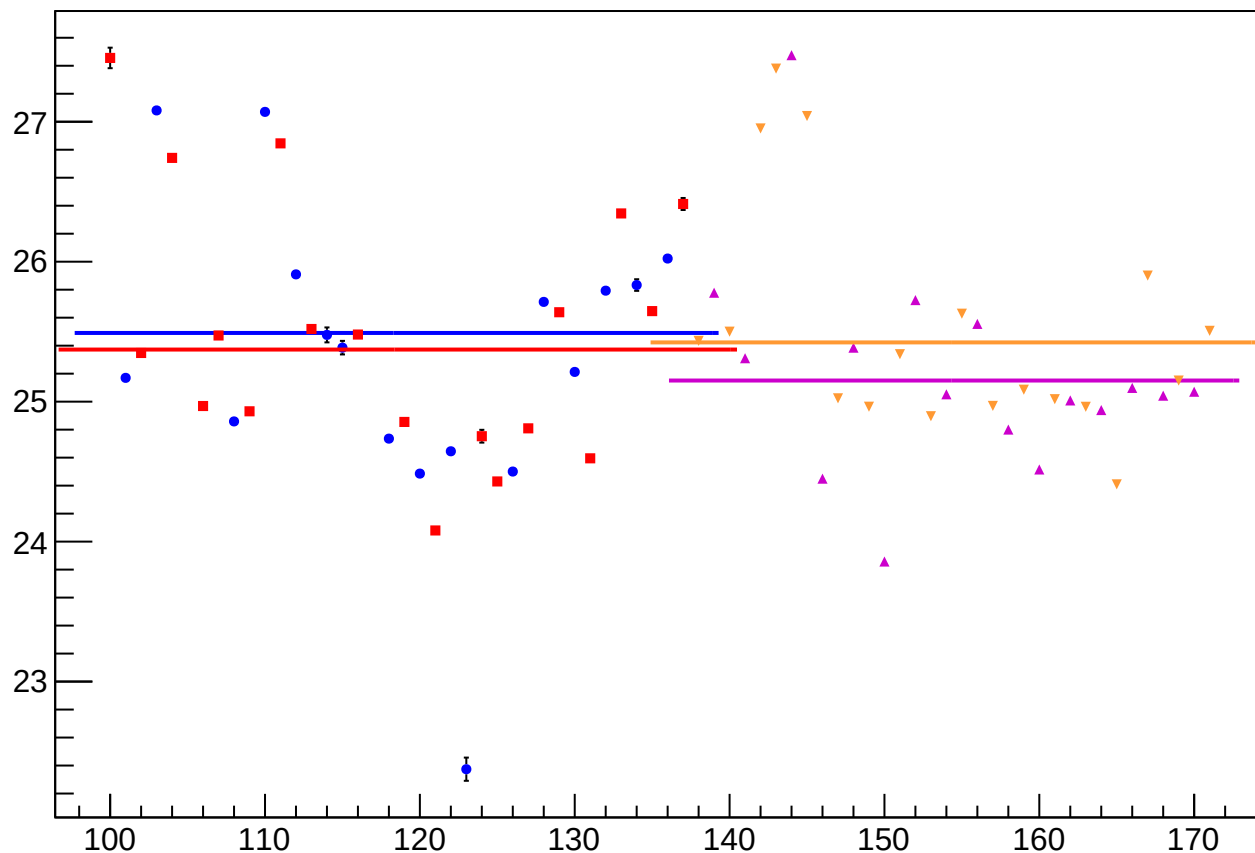
Right: 9.585+/-6.849 χ^2/NDF : 36.6/35

In: 4.221+/-5.775 χ^2/NDF :27.7/32

Out: 12.098+/-5.593 χ^2/NDF :45.3/36

All: 8.285+/-4.018 χ^2/NDF : 74.0/69

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491+/-0.007 χ^2/NDF : 13713.0/16

Left Out: 25.423+/-0.005 χ^2/NDF : 21392.6/17

Right Out: 25.372+/-0.007 χ^2/NDF : 13550.5/18

Left In: 25.151+/-0.005 χ^2/NDF : 22563.7/15

Left: 25.291+/-0.004 χ^2/NDF : 45462.1/33

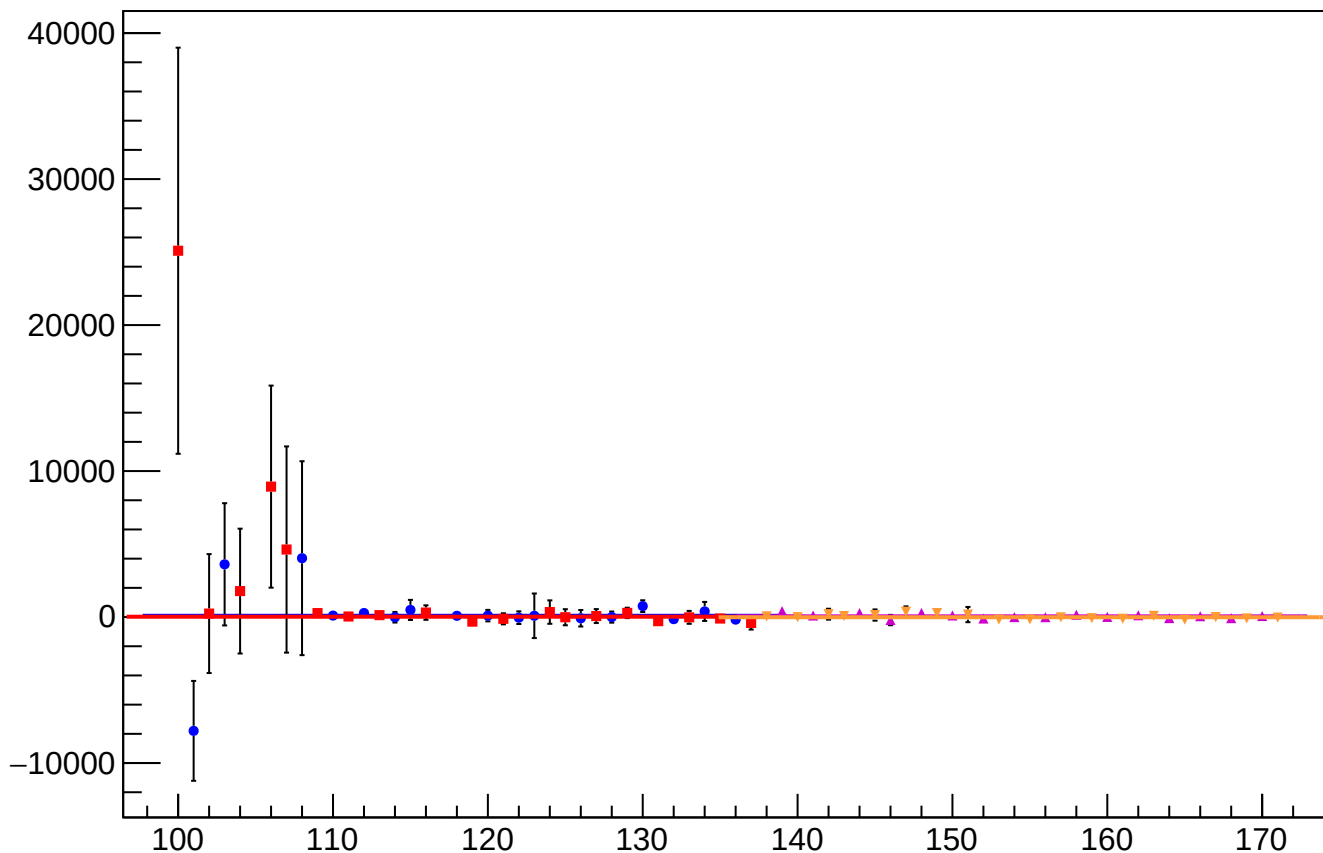
Right: 25.429+/-0.005 χ^2/NDF : 27413.4/35

In: 25.267+/-0.004 χ^2/NDF : 37835.0/32

Out: 25.406+/-0.004 χ^2/NDF : 34980.8/36

All: 25.338+/-0.003 χ^2/NDF : 73410.4/69

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: -12.510 $\pm$ 61.317 χ^2 /NDF: 4.7/17

Right Out: 23.352 $\pm$ 80.948 χ^2 /NDF: 11.9/18

Left In: 49.392 $\pm$ 54.847 χ^2 /NDF: 5.5/15

Left: 21.878 $\pm$ 40.880 χ^2 /NDF: 10.7/33

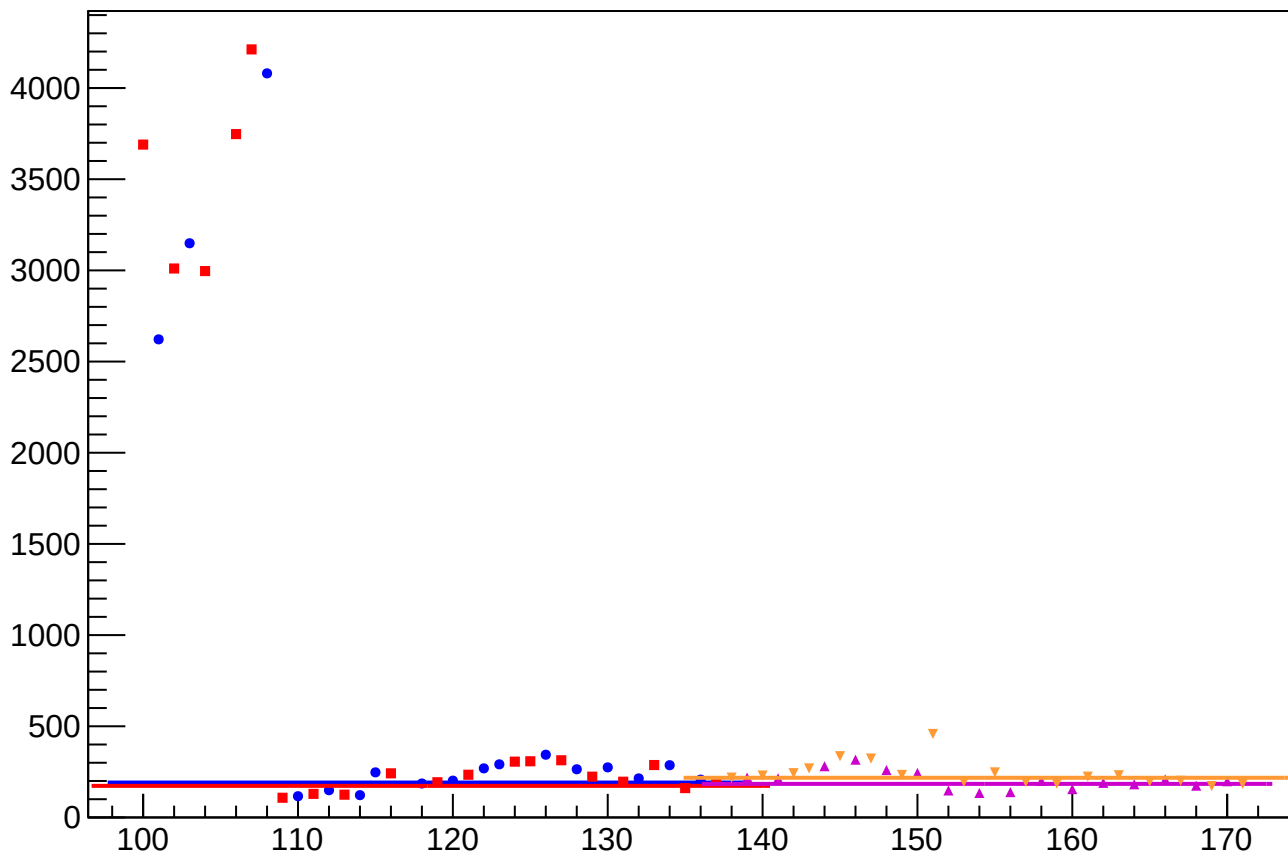
Right: 52.171 $\pm$ 59.707 χ^2 /NDF: 24.7/35

In: 59.719 $\pm$ 46.609 χ^2 /NDF: 18.1/32

Out: 0.565 $\pm$ 48.877 χ^2 /NDF: 16.7/36

All: 31.546 $\pm$ 33.731 χ^2 /NDF: 35.6/69

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: 217.576+/-0.043 χ^2/NDF : 1151631.9/17

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

Left In: 184.104+/-0.039 χ^2/NDF : 1313313.1/15

Left: 198.981+/-0.029 χ^2/NDF : 2796020.7/33

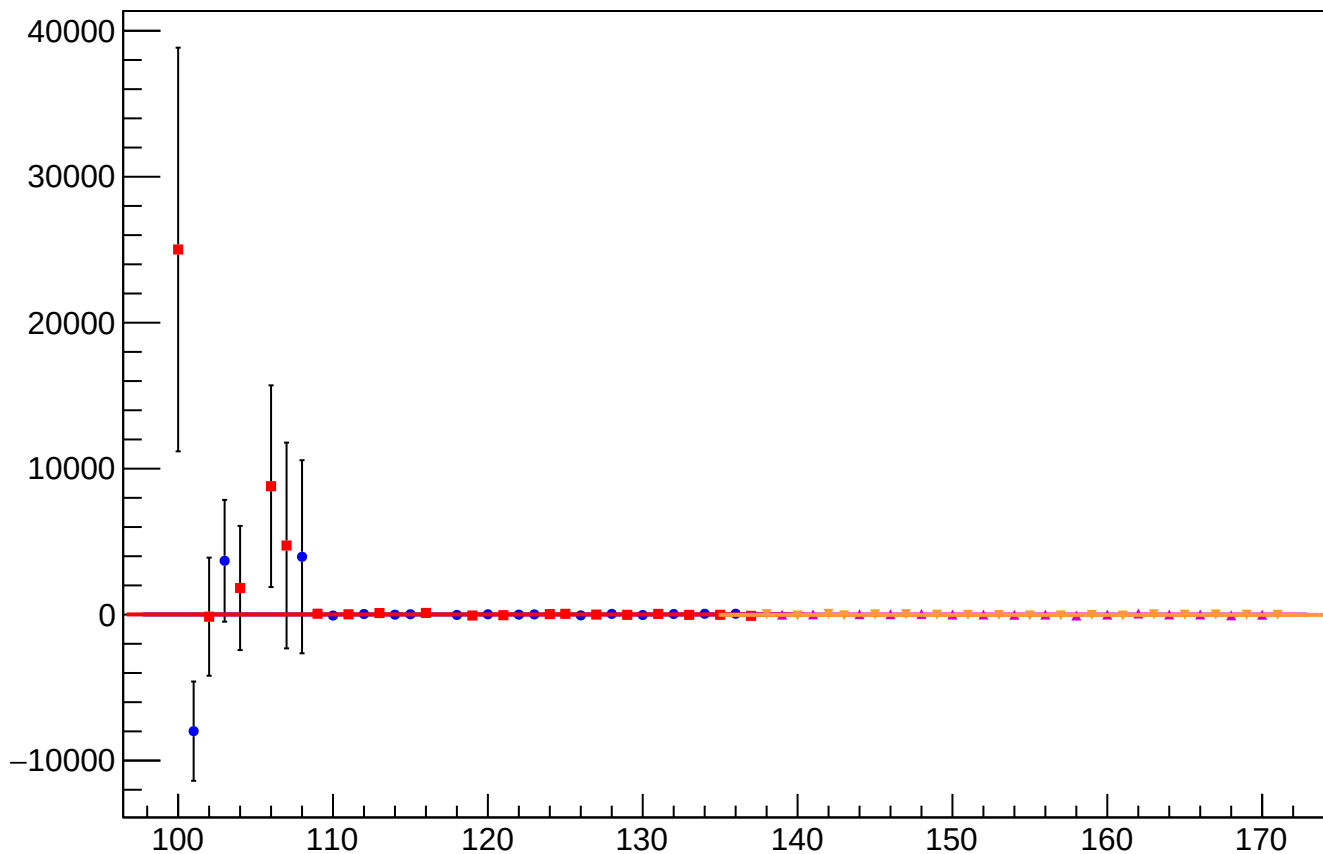
Right: 181.587+/-0.042 χ^2/NDF : 7826577.3/35

In: 186.153+/-0.033 χ^2/NDF : 4896512.7/32

Out: 201.432+/-0.035 χ^2/NDF : 5739287.4/36

All: 193.430+/-0.024 χ^2/NDF : 10738167.1/69

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: -16.883+/-7.877 χ^2/NDF :16.7/17

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: 7.806+/-8.184 χ^2/NDF :17.4/15

Left: -5.010+/-5.675 χ^2/NDF : 38.8/33

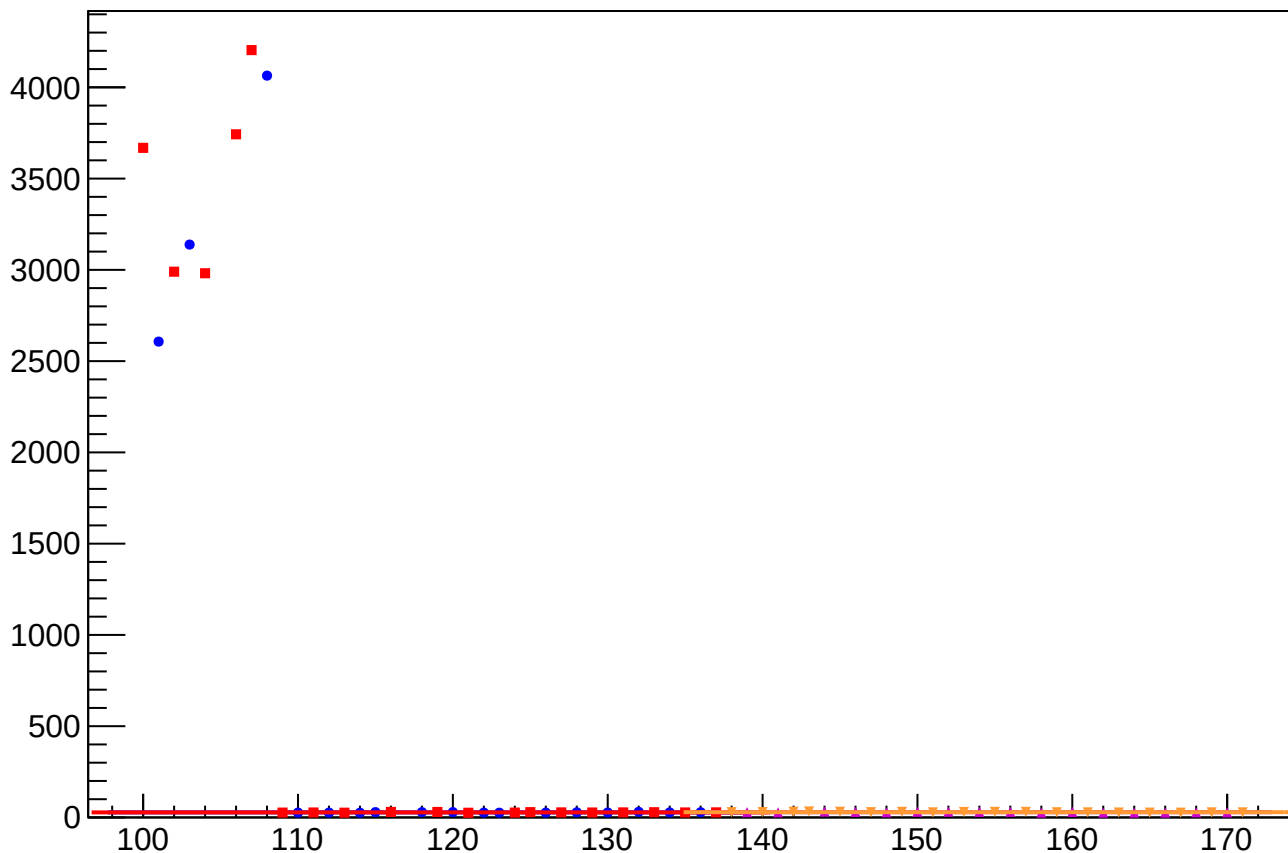
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 8.569+/-6.811 χ^2/NDF :35.8/32

Out: -8.221+/-6.623 χ^2/NDF :45.6/36

All: -0.061+/-4.748 χ^2/NDF : 84.6/69

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: 28.880+/-0.006 χ^2/NDF : 96534.7/17

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

Left In: 28.851+/-0.006 χ^2/NDF : 110795.4/15

Left: 28.866+/-0.004 χ^2/NDF : 207343.1/33

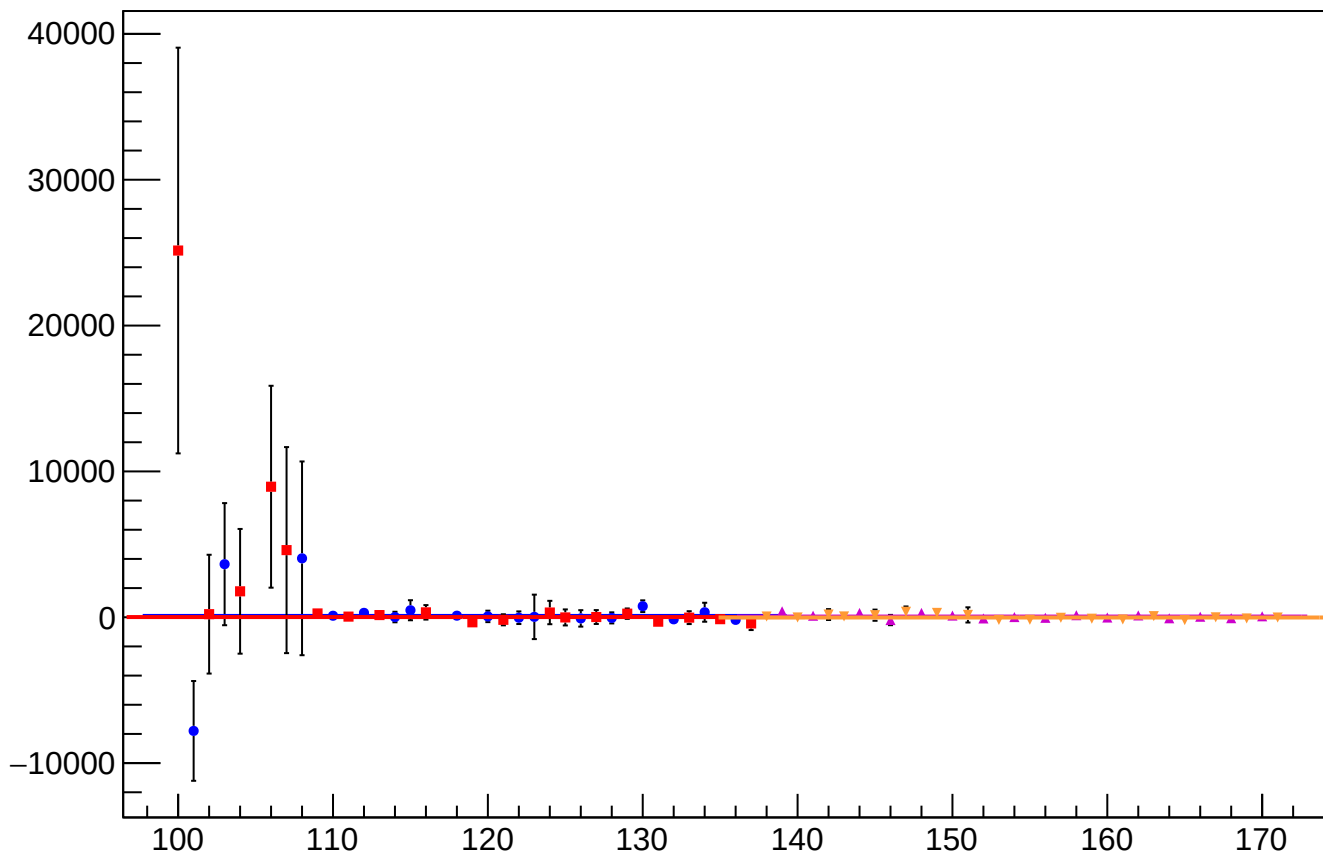
Right: 27.774+/-0.006 χ^2/NDF : 6504689.9/35

In: 28.544+/-0.005 χ^2/NDF : 3147569.6/32

Out: 28.532+/-0.005 χ^2/NDF : 3586652.8/36

All: 28.538+/-0.003 χ^2/NDF : 6734225.7/69

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: -16.431+/-61.183 χ^2/NDF : 5.3/17

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: 47.763+/-54.740 χ^2/NDF : 5.6/15

Left: 19.223+/-40.796 χ^2/NDF : 11.5/33

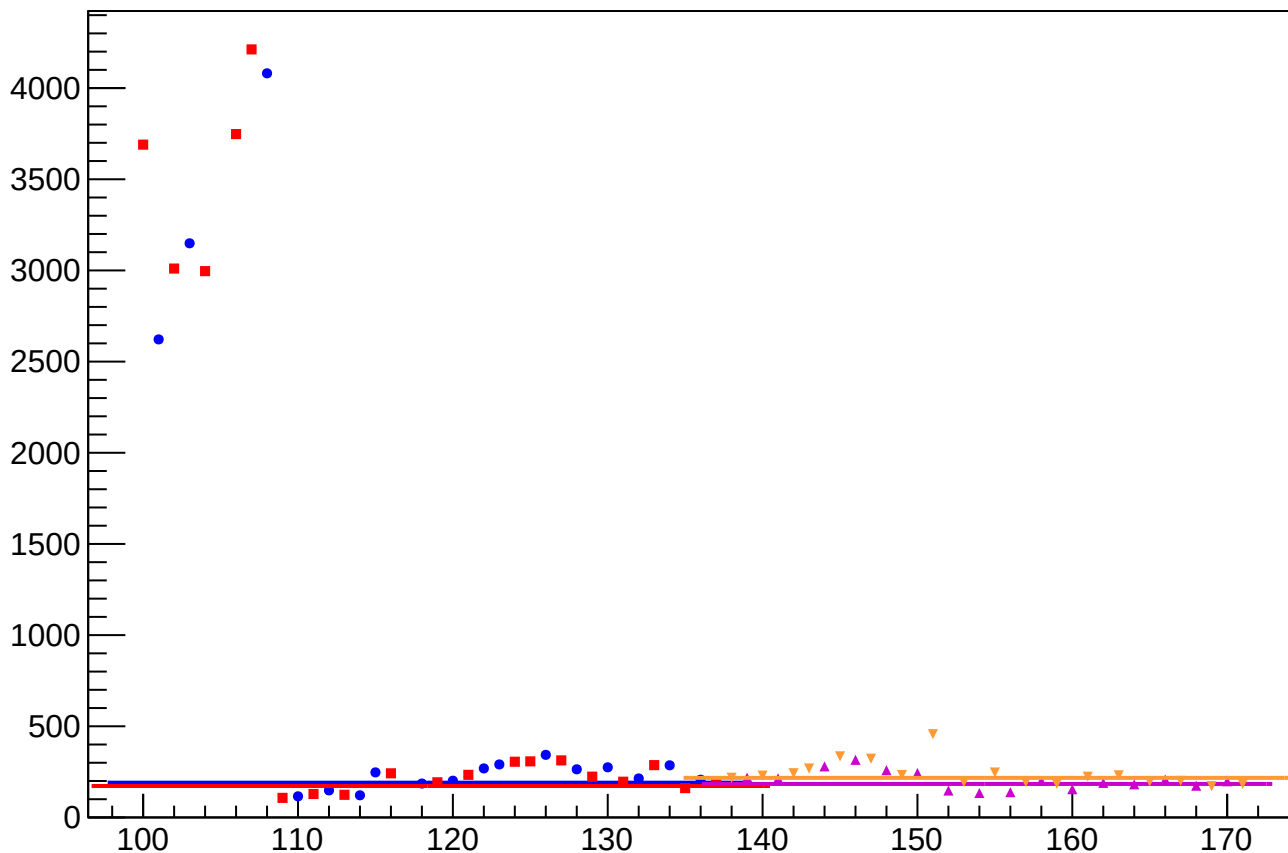
Right: 48.642+/-59.518 χ^2/NDF : 25.9/35

In: 59.733+/-46.503 χ^2/NDF : 18.5/32

Out: -5.562+/-48.752 χ^2/NDF : 18.1/36

All: 28.626+/-33.650 χ^2/NDF : 37.5/69

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: 217.104+/-0.043 χ^2/NDF : 1151457.0/17

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

Left In: 183.747+/-0.039 χ^2/NDF : 1313044.3/15

Left: 198.577+/-0.029 χ^2/NDF : 2794665.7/33

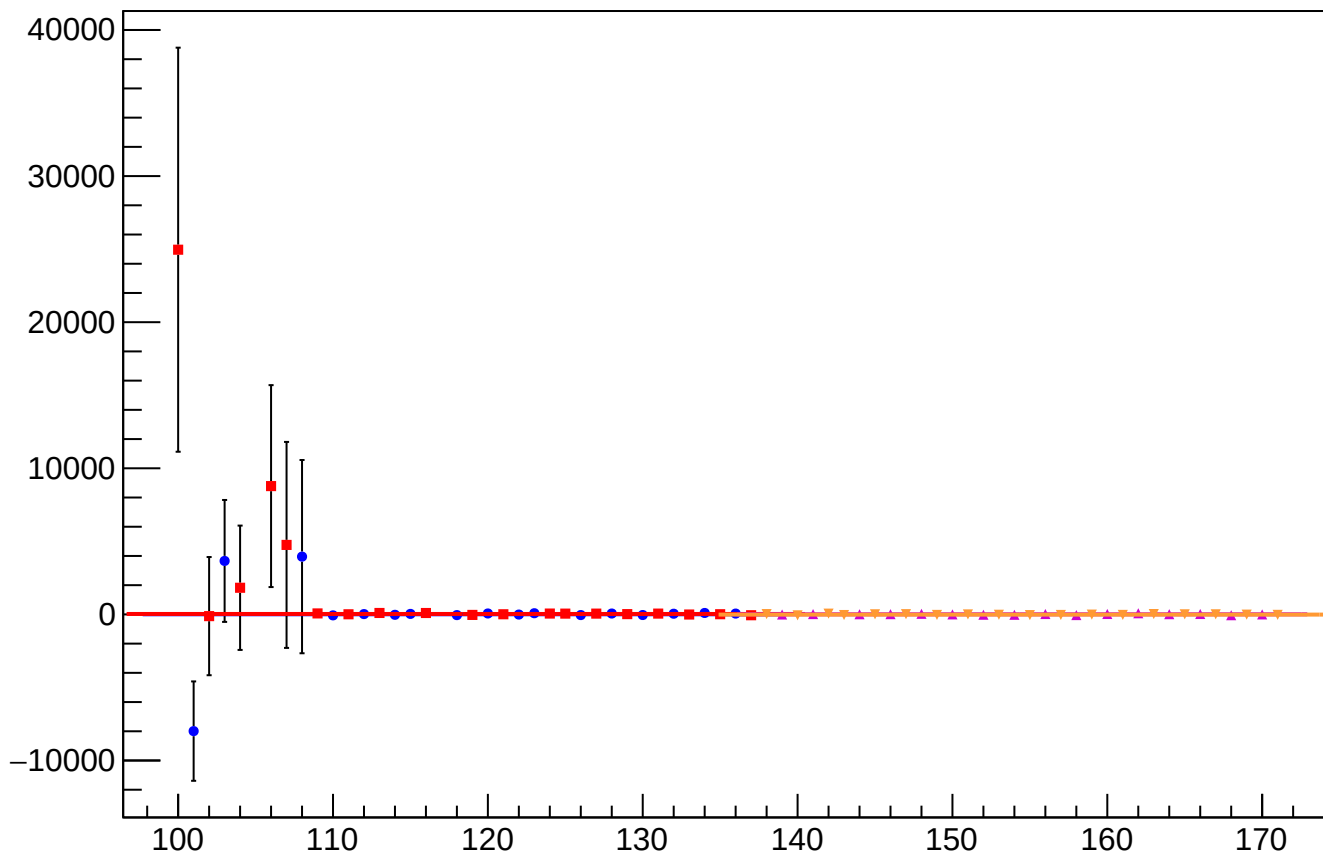
Right: 180.899+/-0.042 χ^2/NDF : 7849745.6/35

In: 185.702+/-0.033 χ^2/NDF : 4907238.0/32

Out: 200.867+/-0.034 χ^2/NDF : 5755888.0/36

All: 192.927+/-0.024 χ^2/NDF : 10764457.8/69

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600 ± 12.368 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -13.679 ± 7.931 $\chi^2/\text{NDF}: 11.8/17$

Right Out: 29.397 ± 12.333 $\chi^2/\text{NDF}: 16.8/18$

Left In: 6.689 ± 8.233 $\chi^2/\text{NDF}: 17.4/15$

Left: -3.874 ± 5.712 $\chi^2/\text{NDF}: 32.4/33$

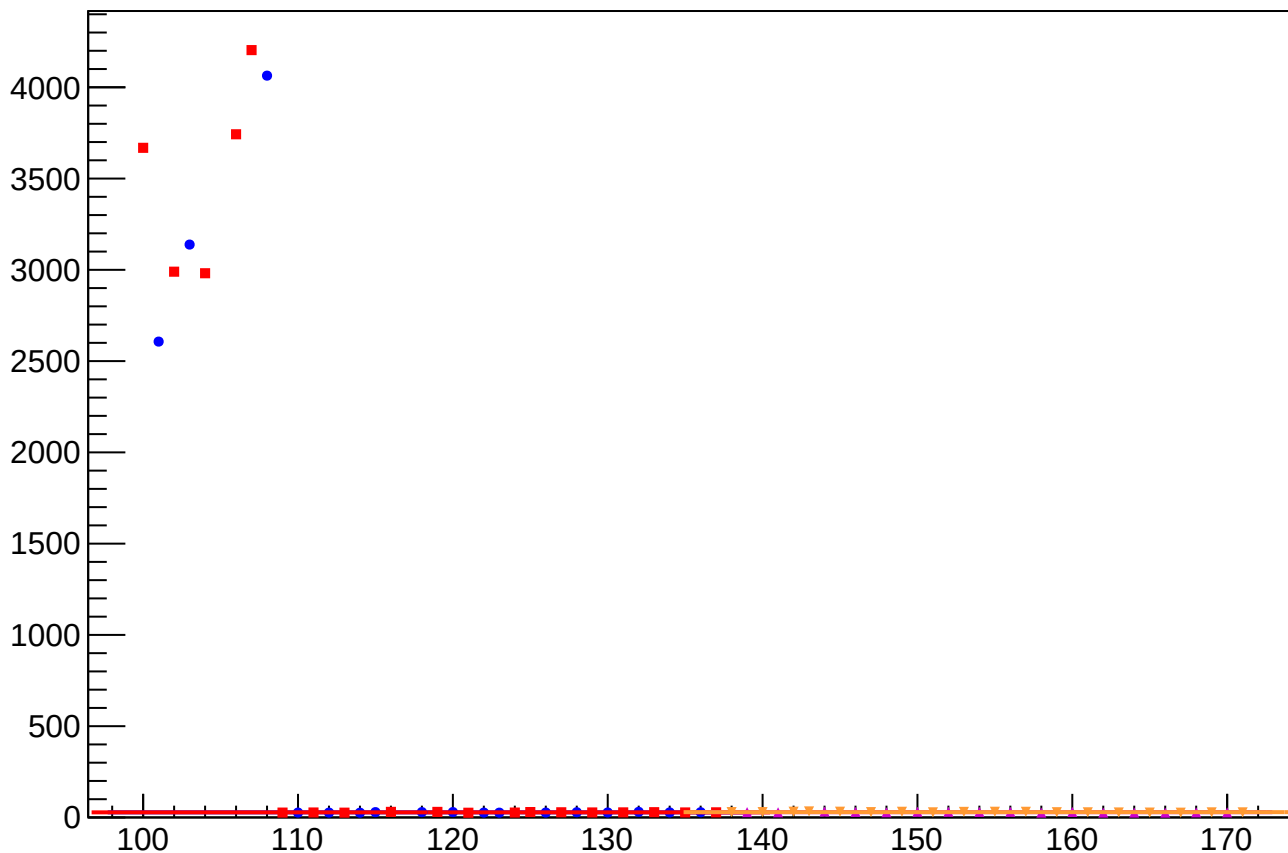
Right: 19.027 ± 8.733 $\chi^2/\text{NDF}: 41.4/35$

In: 7.276 ± 6.853 $\chi^2/\text{NDF}: 40.6/32$

Out: -1.077 ± 6.671 $\chi^2/\text{NDF}: 37.2/36$

All: 2.987 ± 4.780 $\chi^2/\text{NDF}: 78.6/69$

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: 29.074+/-0.006 χ^2/NDF : 102128.8/17

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

Left In: 29.024+/-0.006 χ^2/NDF : 111798.5/15

Left: 29.050+/-0.004 χ^2/NDF : 213966.0/33

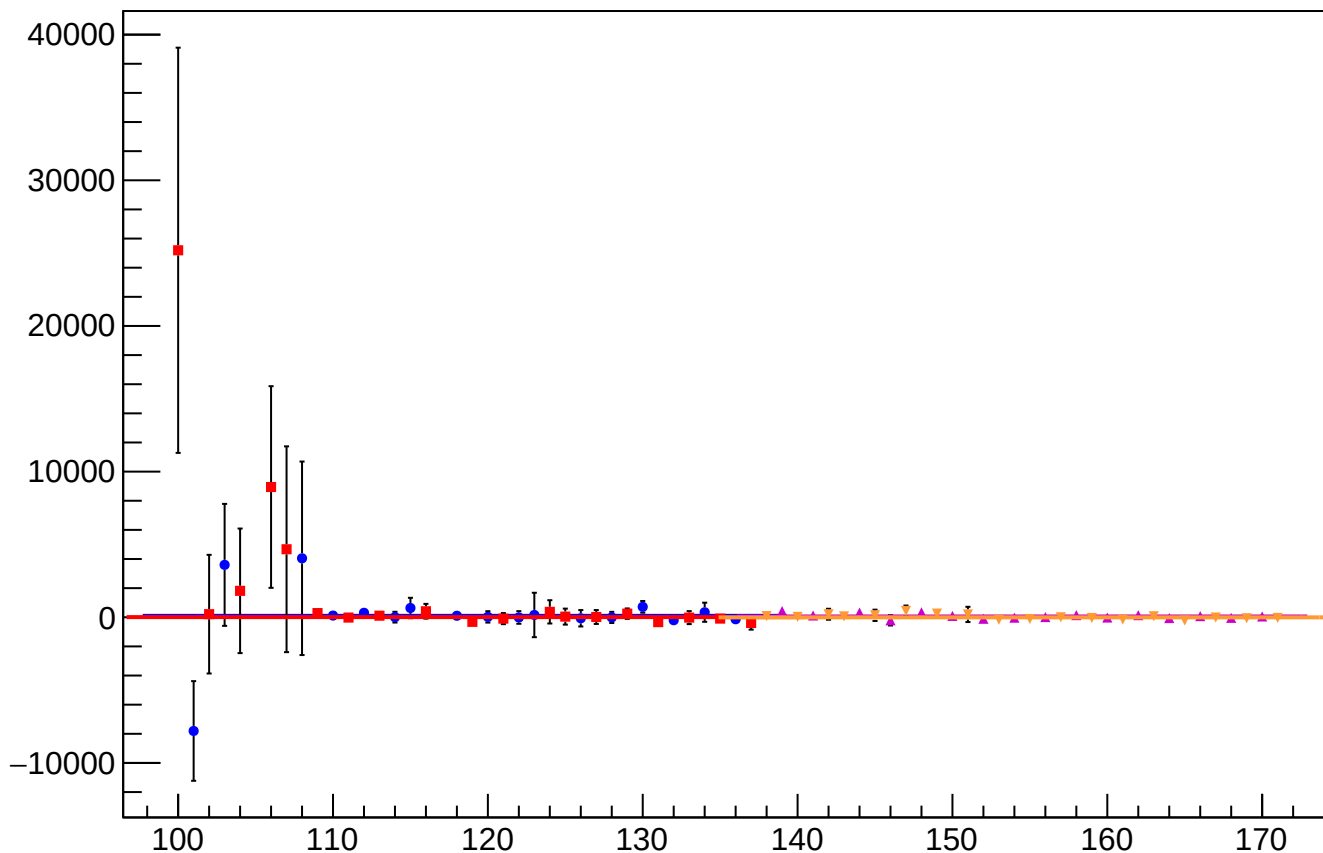
Right: 27.981+/-0.006 χ^2/NDF : 6507693.6/35

In: 28.723+/-0.005 χ^2/NDF : 3148404.6/32

Out: 28.736+/-0.005 χ^2/NDF : 3594262.4/36

All: 28.730+/-0.003 χ^2/NDF : 6742670.6/69

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: -5.841 $\pm$ 61.914 χ^2 /NDF:5.1/17

Right Out: 11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

Left In: 55.584 $\pm$ 55.513 χ^2 /NDF:6.1/15

Left: 28.211 $\pm$ 41.332 χ^2 /NDF: 11.8/33

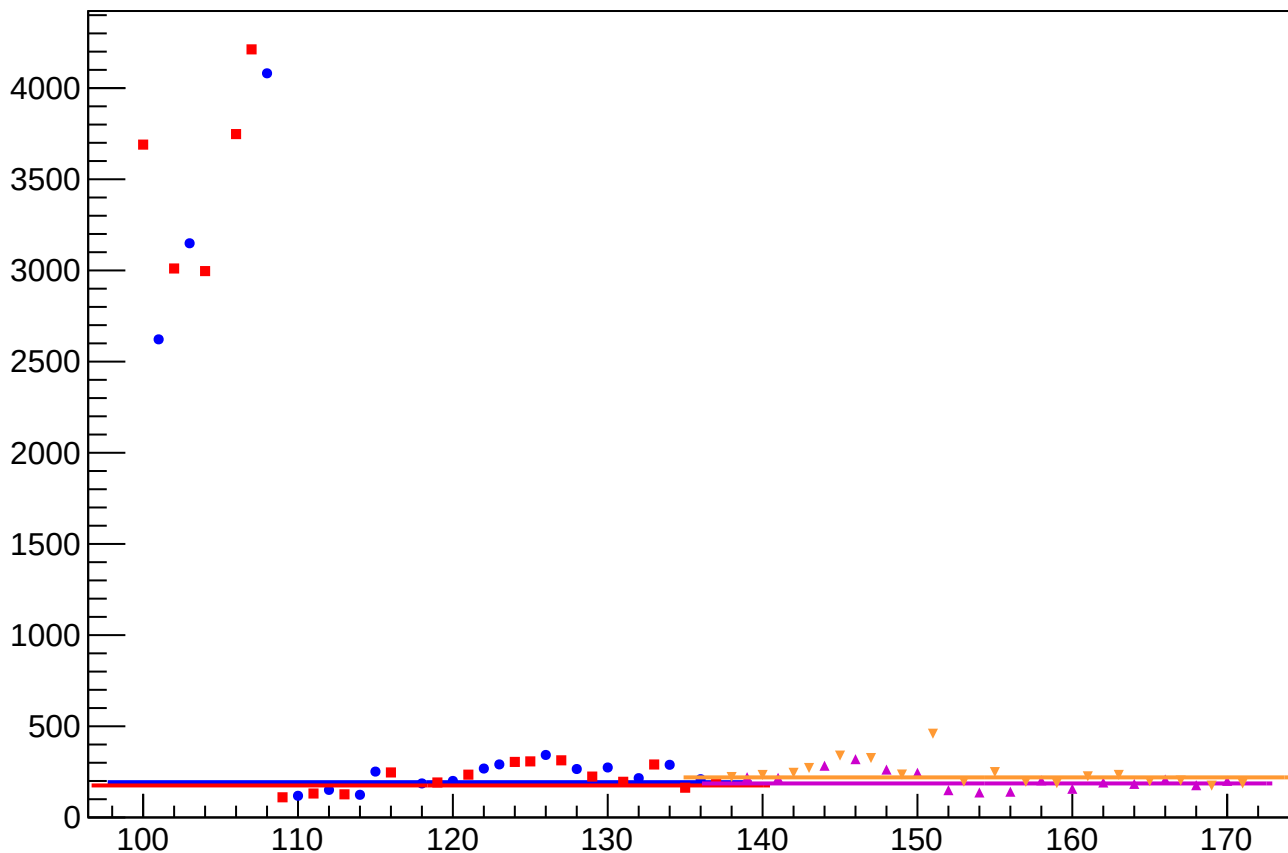
Right: 51.186 $\pm$ 60.278 χ^2 /NDF: 25.3/35

In: 67.465 $\pm$ 47.131 χ^2 /NDF:18.8/32

Out: 0.561 $\pm$ 49.361 χ^2 /NDF:17.4/36

All: 35.558 $\pm$ 34.088 χ^2 /NDF: 37.2/69

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: 219.811+/-0.044 χ^2/NDF : 1137892.2/17

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 186.521+/-0.039 χ^2/NDF : 1283871.1/15

Left: 201.356+/-0.029 χ^2/NDF : 2742291.8/33

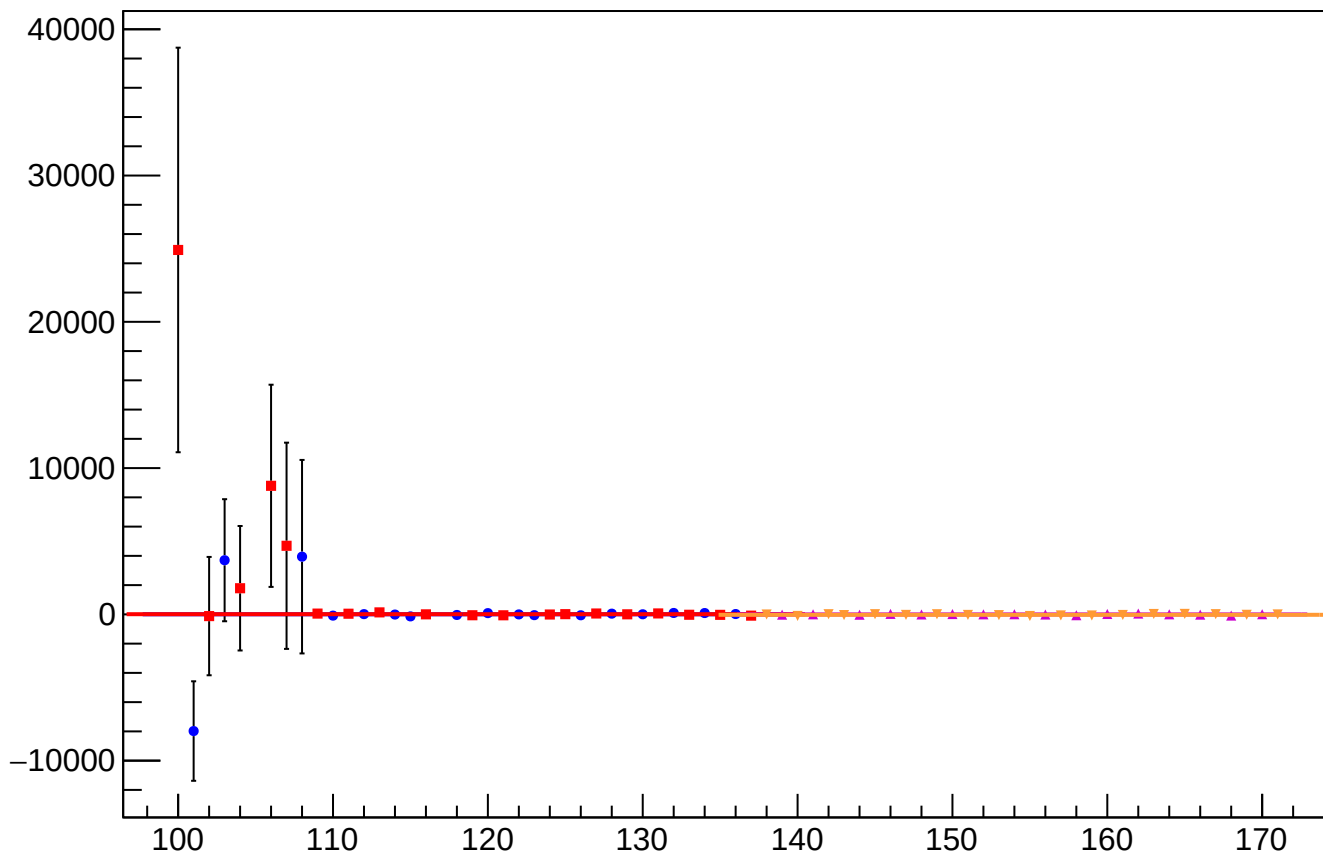
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 188.474+/-0.033 χ^2/NDF : 4829686.0/32

Out: 203.668+/-0.035 χ^2/NDF : 5676583.9/36

All: 195.720+/-0.024 χ^2/NDF : 10605398.6/69

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: -29.500+/-9.449 χ^2/NDF :19.9/17

Right Out: 12.158+/-14.952 χ^2/NDF : 21.9/18

Left In: -2.450+/-9.818 χ^2/NDF :11.8/15

Left: -16.493+/-6.808 χ^2/NDF : 35.7/33

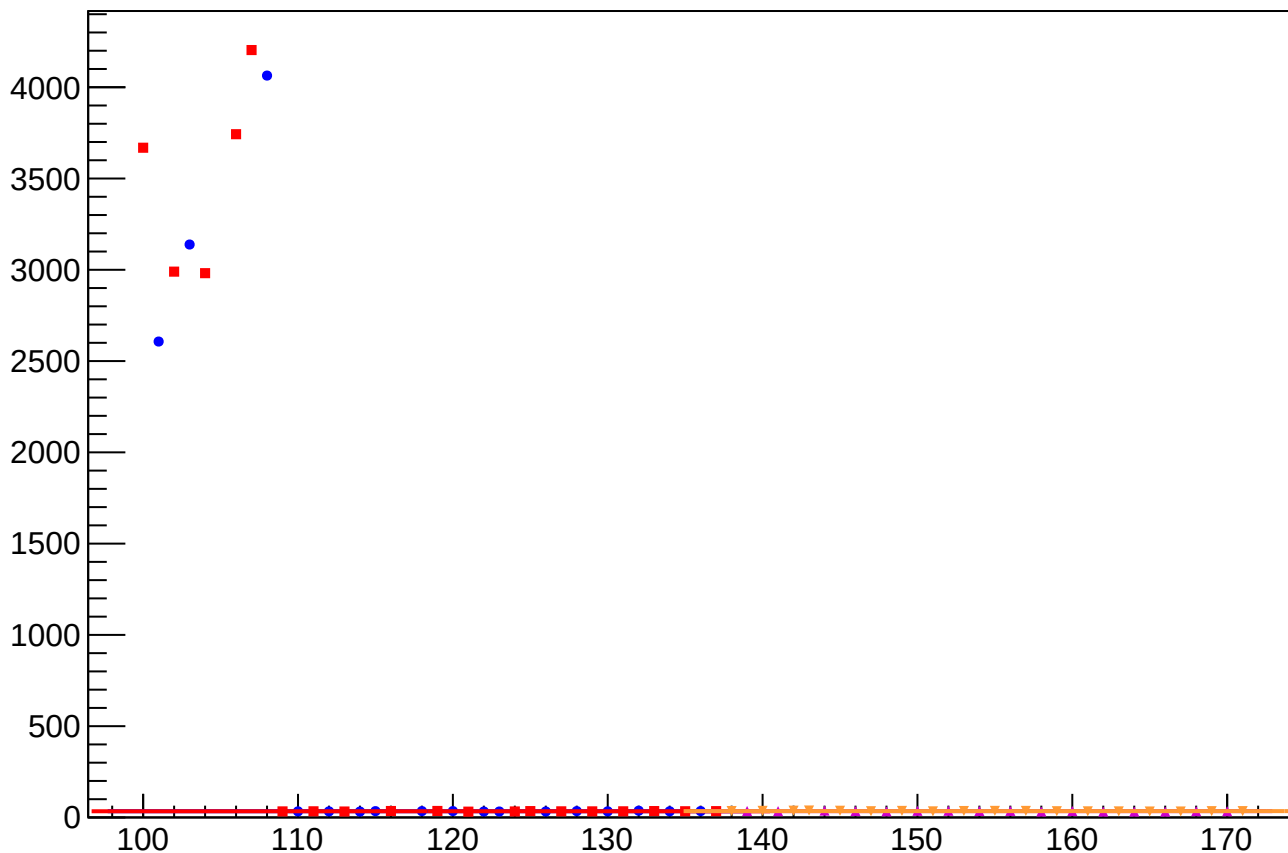
Right: 8.883+/-10.608 χ^2/NDF : 42.5/35

In: -0.058+/-8.223 χ^2/NDF :32.5/32

Out: -17.611+/-7.988 χ^2/NDF :47.4/36

All: -9.089+/-5.730 χ^2/NDF : 82.2/69

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168+/-0.011 χ^2/NDF : 3006512.8/16

Left Out: 34.699+/-0.007 χ^2/NDF : 46889.6/17

Right Out: 33.913+/-0.011 χ^2/NDF : 3451912.6/18

Left In: 34.683+/-0.007 χ^2/NDF : 51761.0/15

Left: 34.691+/-0.005 χ^2/NDF : 98653.6/33

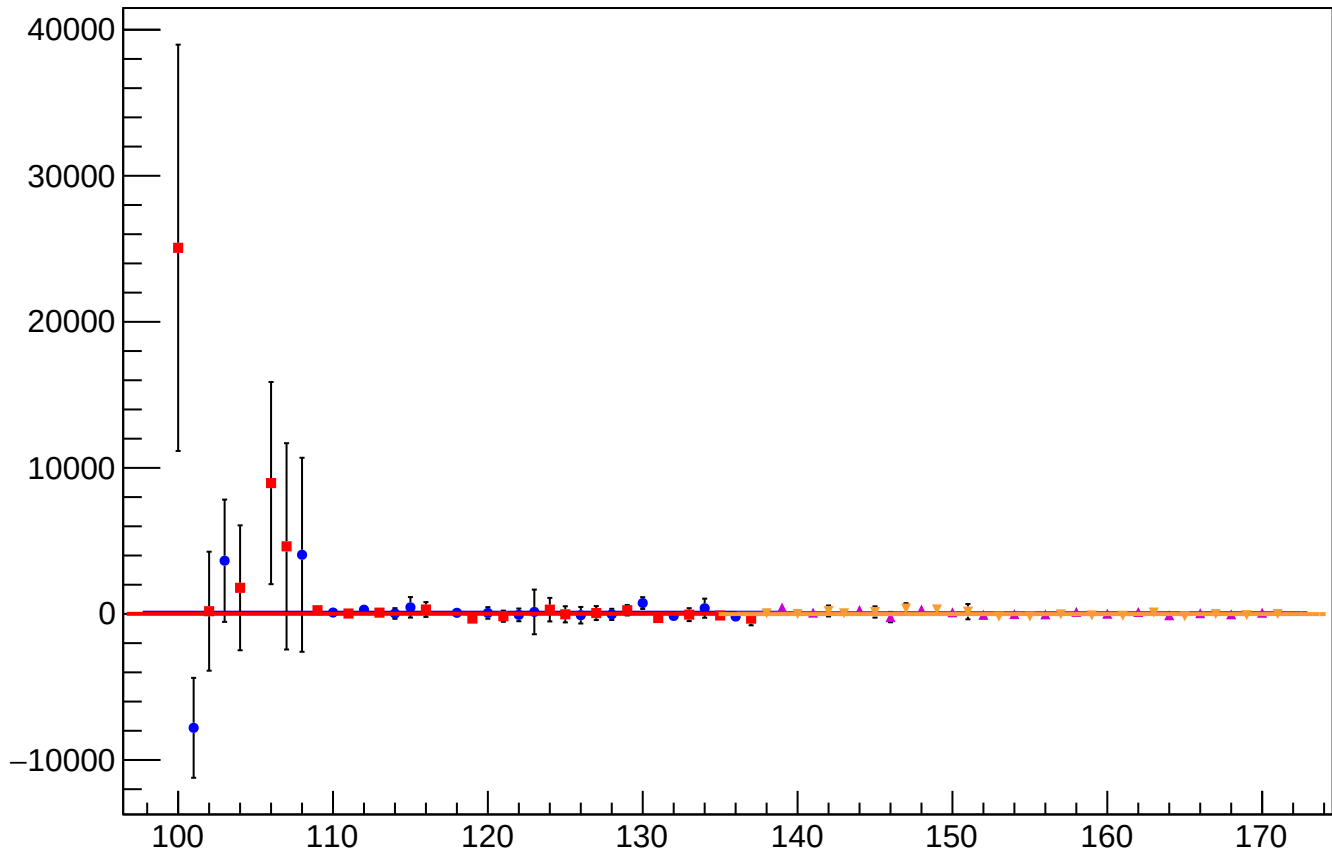
Right: 34.039+/-0.008 χ^2/NDF : 6458714.0/35

In: 34.529+/-0.006 χ^2/NDF : 3059918.4/32

Out: 34.475+/-0.006 χ^2/NDF : 3502759.0/36

All: 34.501+/-0.004 χ^2/NDF : 6562722.0/69

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504 $\pm$ 88.746 χ^2 /NDF: 12.5/16

Left Out: -12.033 $\pm$ 61.791 χ^2 /NDF: 5.1/17

Right Out: 8.565 $\pm$ 81.257 χ^2 /NDF: 11.1/18

Left In: 55.657 $\pm$ 55.365 χ^2 /NDF: 5.5/15

Left: 25.514 $\pm$ 41.235 χ^2 /NDF: 11.3/33

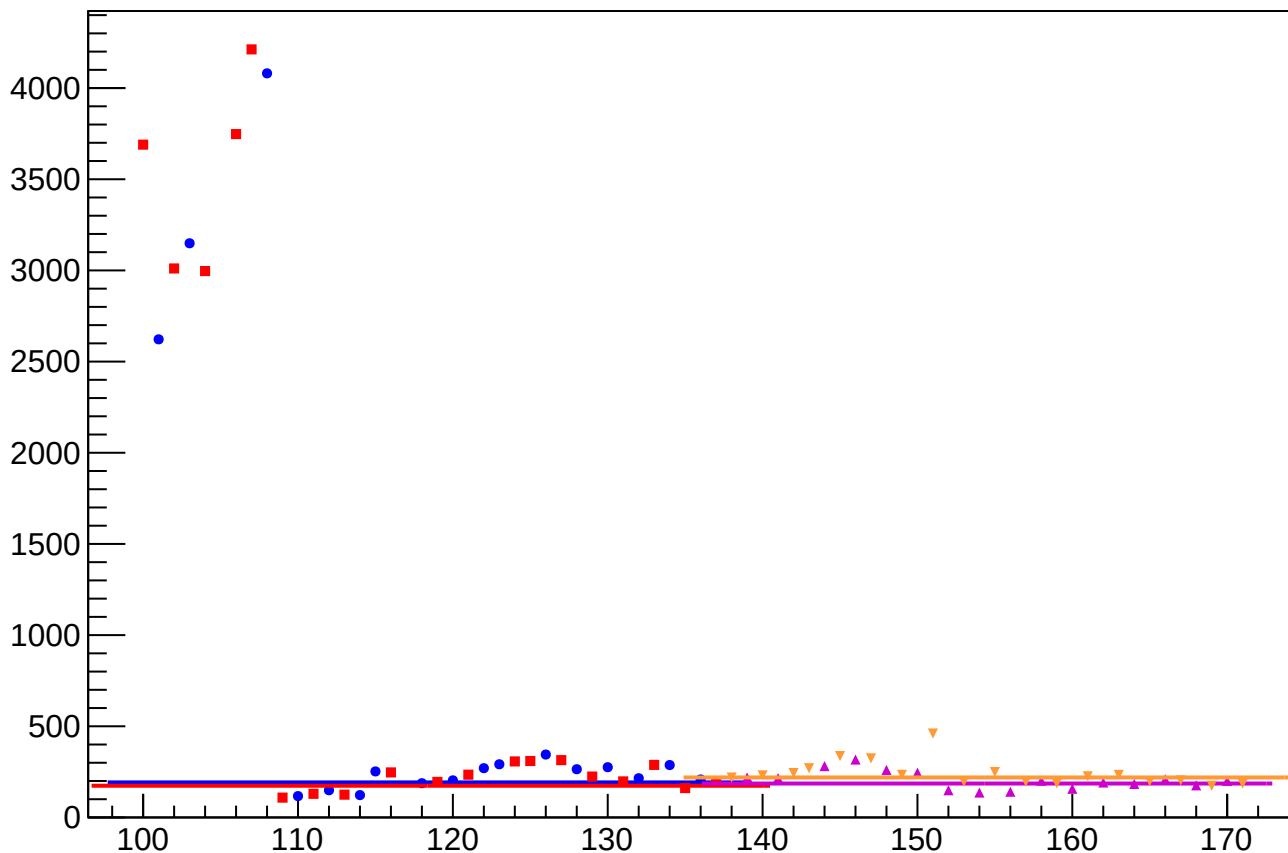
Right: 43.196 $\pm$ 59.931 χ^2 /NDF: 24.0/35

In: 63.739 $\pm$ 46.974 χ^2 /NDF: 18.2/32

Out: -4.486 $\pm$ 49.185 χ^2 /NDF: 16.2/36

All: 31.195 $\pm$ 33.970 χ^2 /NDF: 35.4/69

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: 219.389+/-0.044 χ^2/NDF : 1129018.2/17

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 186.035+/-0.039 χ^2/NDF : 1271718.1/15

Left: 200.888+/-0.029 χ^2/NDF : 2723973.1/33

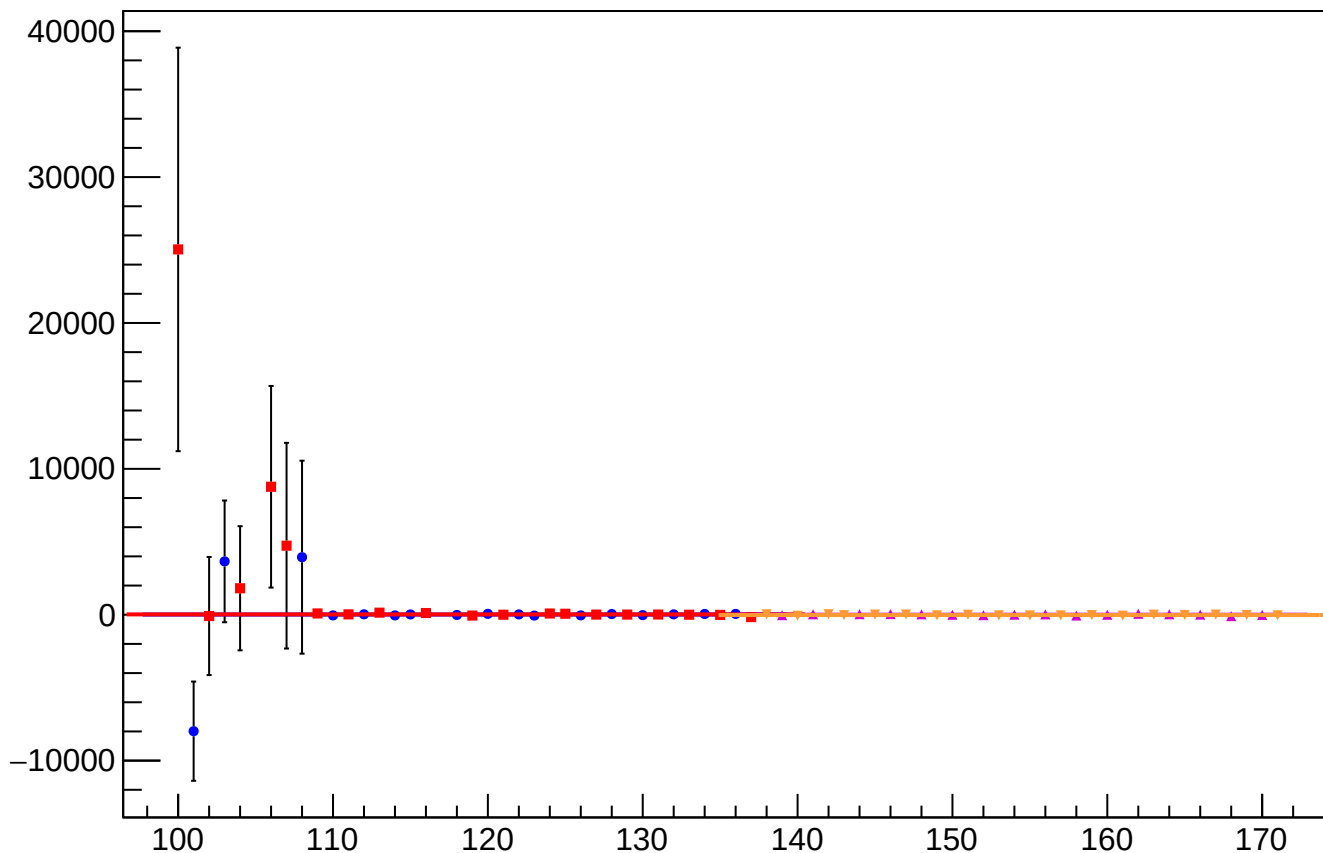
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 187.755+/-0.033 χ^2/NDF : 4853231.6/32

Out: 202.744+/-0.035 χ^2/NDF : 5736710.1/36

All: 194.905+/-0.024 χ^2/NDF : 10687075.4/69

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -21.126+/-8.563 χ^2/NDF :12.5/17

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: 3.038+/-8.884 χ^2/NDF :21.5/15

Left: -9.489+/-6.165 χ^2/NDF : 37.9/33

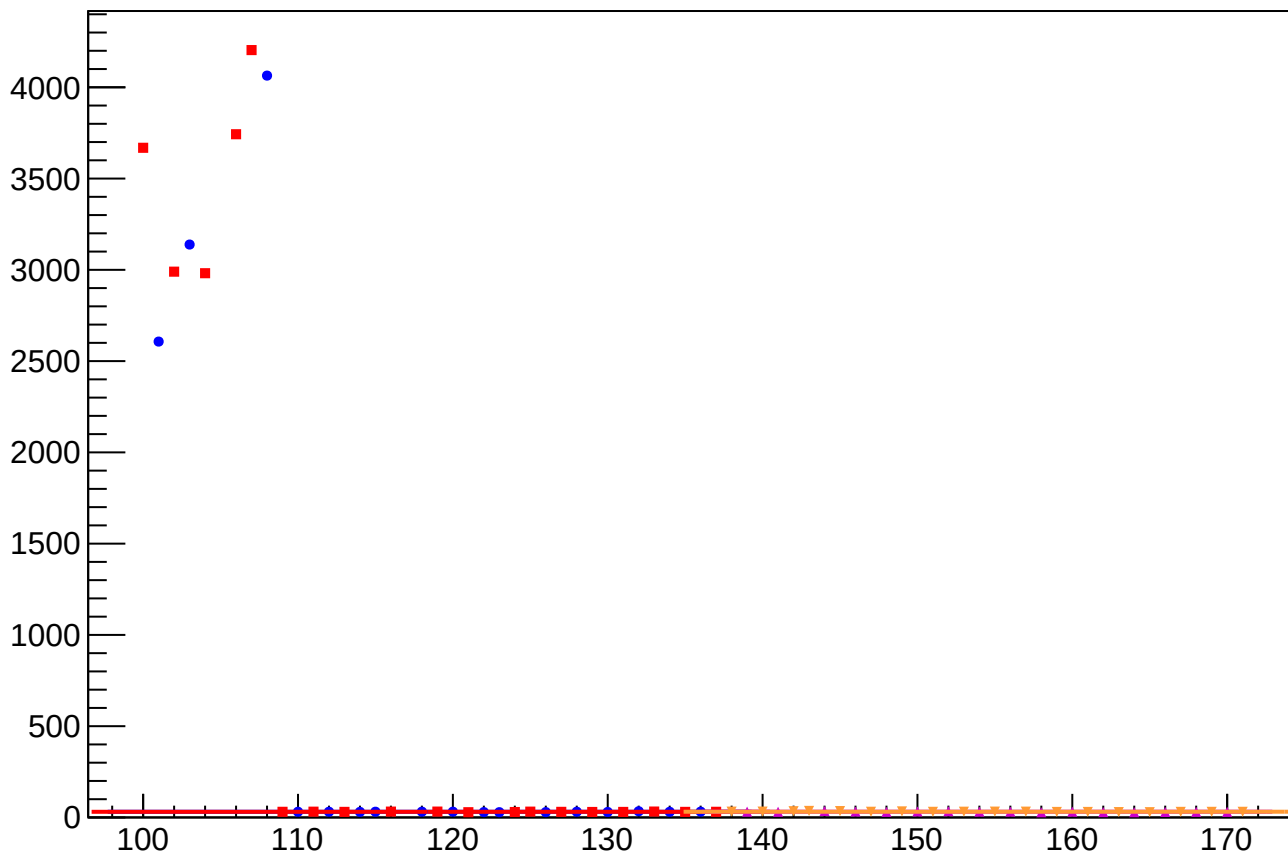
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 5.906+/-7.458 χ^2/NDF :36.5/32

Out: -8.787+/-7.255 χ^2/NDF :47.8/36

All: -1.642+/-5.200 χ^2/NDF : 86.4/69

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: 31.412+/-0.006 χ^2/NDF : 73693.4/17

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.336+/-0.006 χ^2/NDF : 81160.4/15

Left: 31.375+/-0.004 χ^2/NDF : 154929.9/33

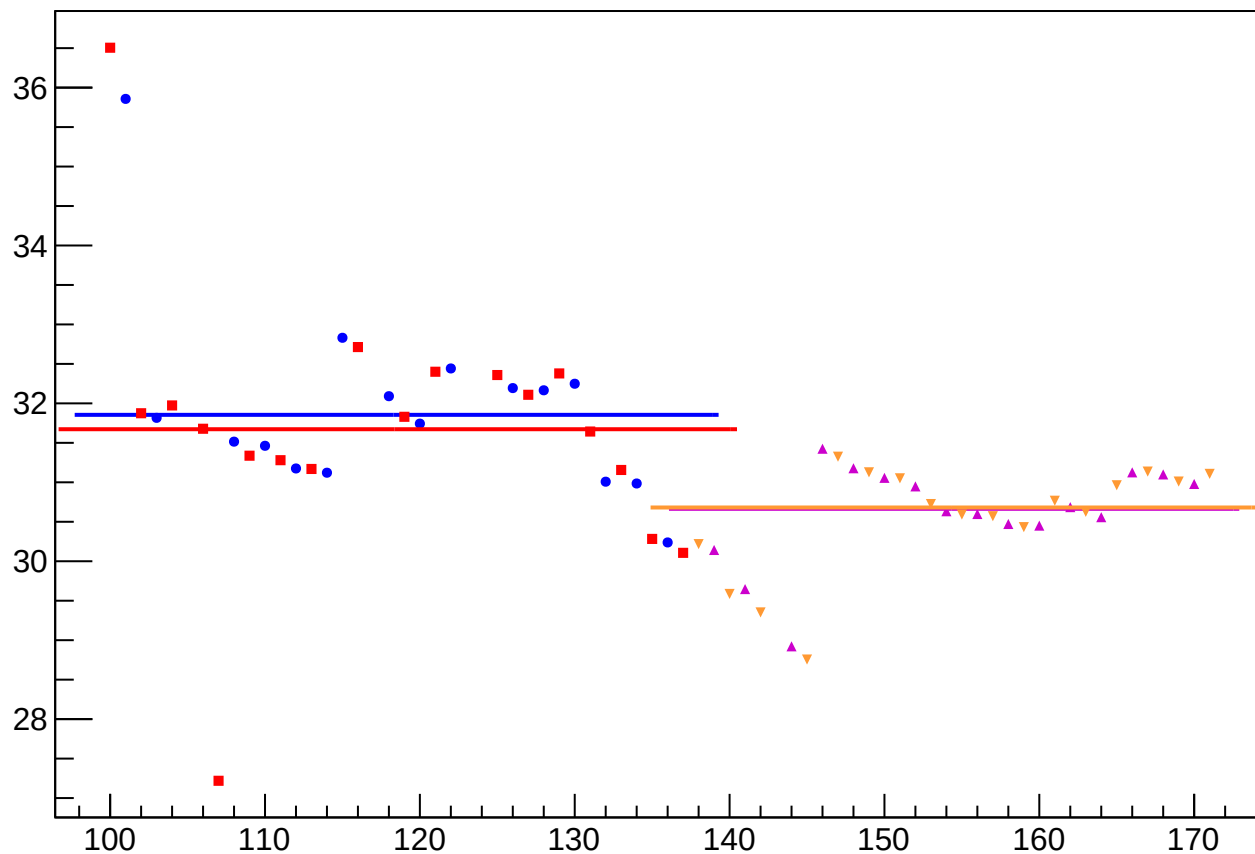
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.282+/-0.005 χ^2/NDF : 3095925.9/32

Out: 31.285+/-0.005 χ^2/NDF : 3534172.7/36

All: 31.284+/-0.004 χ^2/NDF : 6630098.9/69

yield_usl_mean vs Slug, Sign Corrected



Left: 30.673 +/- 0.000 χ^2/NDF : 1327533426.1/32

Right: 31.765 +/- 0.000 χ^2/NDF : 2508641774.0/33

In: 31.144 +/- 0.000 χ^2/NDF : 3253345680.6/31

Out: 31.059 +/- 0.000 χ^2/NDF : 2340518704.0/34

All: 31.101 +/- 0.000 χ^2/NDF : 5605322784.9/6

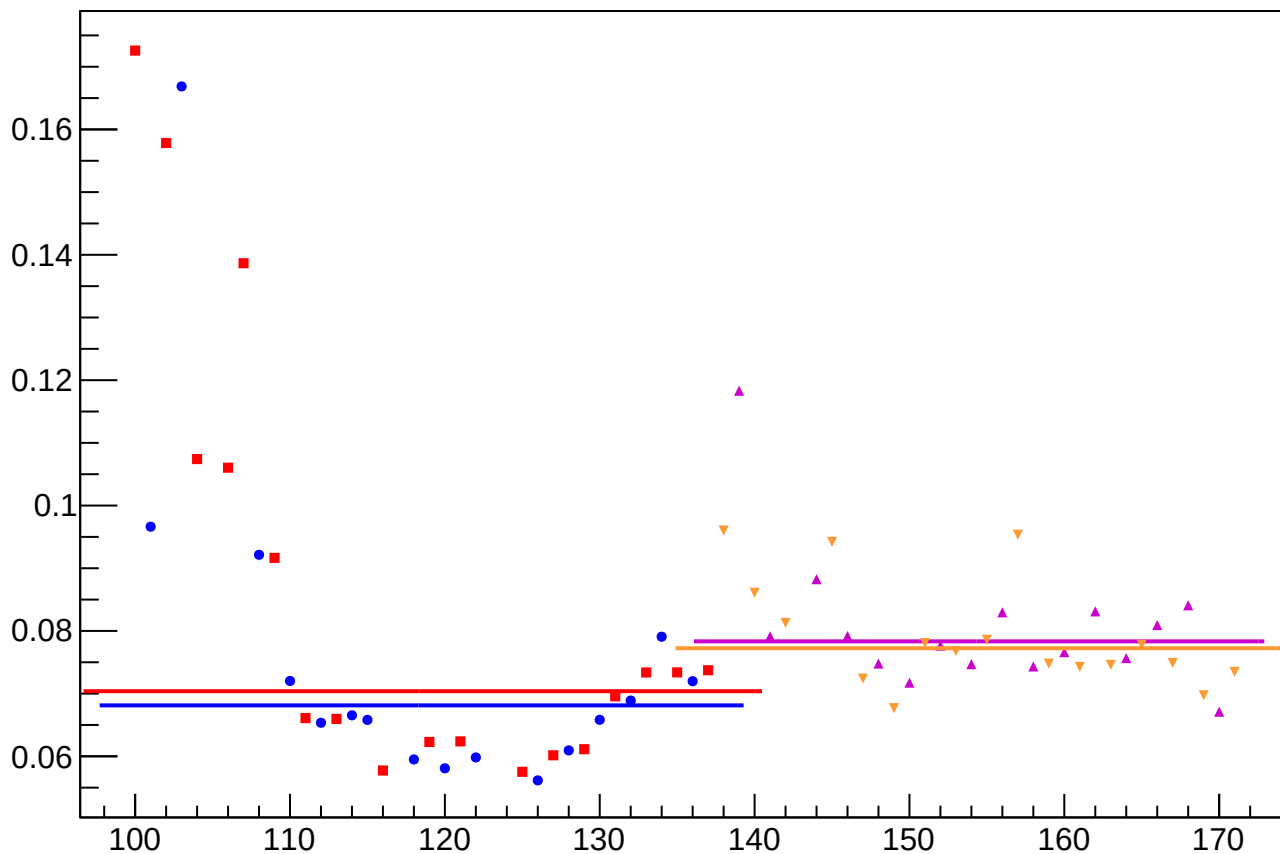
Right In: 31.855 +/- 0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.681 +/- 0.000 χ^2/NDF : 696018017.0/16

Right Out: 31.672 +/- 0.000 χ^2/NDF : 917899841.8/17

Left In: 30.664 +/- 0.000 χ^2/NDF : 631247164.3/15

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:224188.4/16

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

Left In: 0.078 $\pm$ 0.000 χ^2 /NDF:264667.9/15

Left: 0.078 $\pm$ 0.000 χ^2 /NDF: 491142.0/32

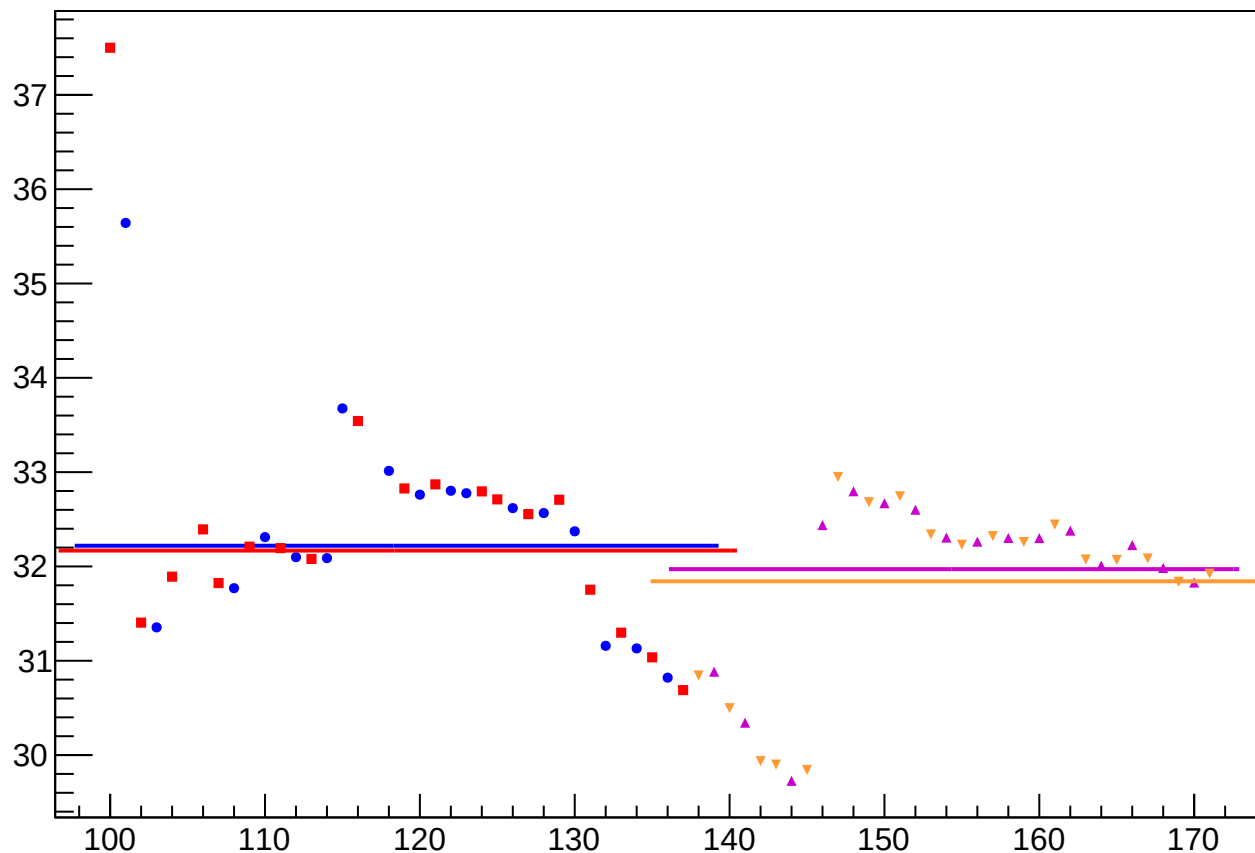
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1477315.9/33

In: 0.074 $\pm$ 0.000 χ^2 /NDF:1049205.4/31

Out: 0.075 $\pm$ 0.000 χ^2 /NDF:1134905.8/34

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2184636.1/66

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.843+/-0.000 χ^2/NDF : 1826778677.7/17

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

Left In: 31.971+/-0.000 χ^2/NDF : 1403020177.7/15

Left: 31.905+/-0.000 χ^2/NDF : 3245889909.2/33

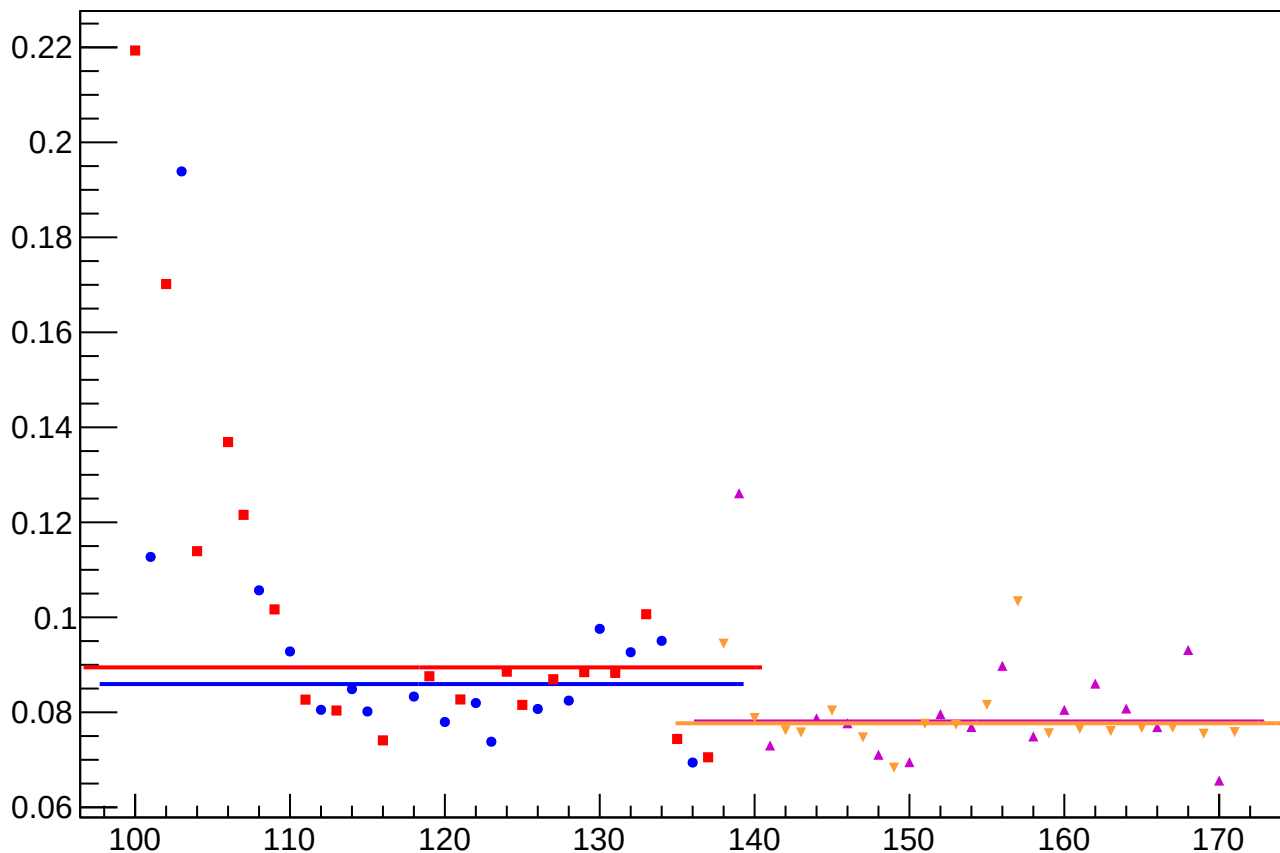
Right: 32.194+/-0.000 χ^2/NDF : 1457173552.7/35

In: 32.045+/-0.000 χ^2/NDF : 2450928370.0/32

Out: 31.932+/-0.000 χ^2/NDF : 2328121240.4/36

All: 31.987+/-0.000 χ^2/NDF : 4796285984.4/66

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086 ± 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078 ± 0.000 χ^2/NDF : 163024.5/17

Right Out: 0.089 ± 0.000 χ^2/NDF : 539869.9/18

Left In: 0.078 ± 0.000 χ^2/NDF : 388234.3/15

Left: 0.078 ± 0.000 χ^2/NDF : 551542.5/33

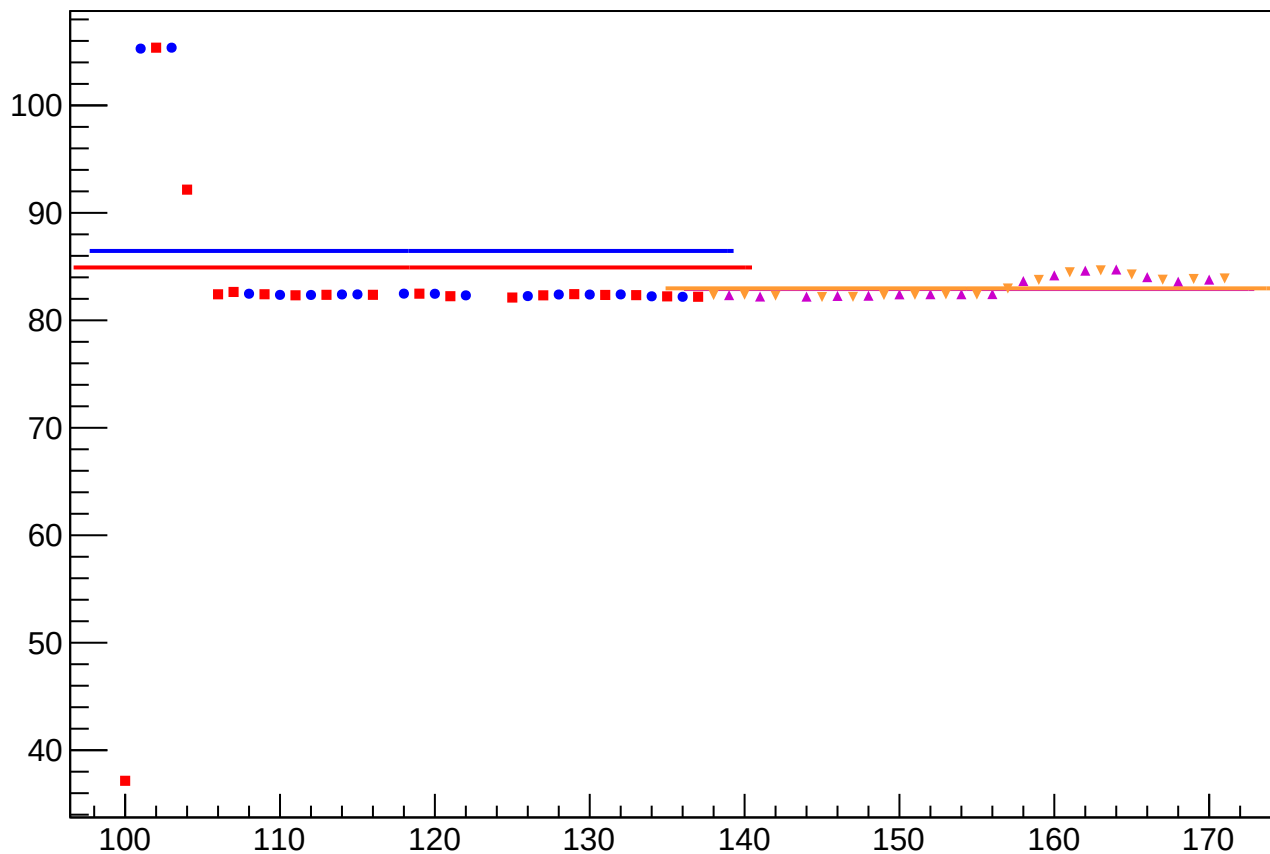
Right: 0.088 ± 0.000 χ^2/NDF : 1102728.3/35

In: 0.080 ± 0.000 χ^2/NDF : 1010098.8/32

Out: 0.081 ± 0.000 χ^2/NDF : 857233.8/36

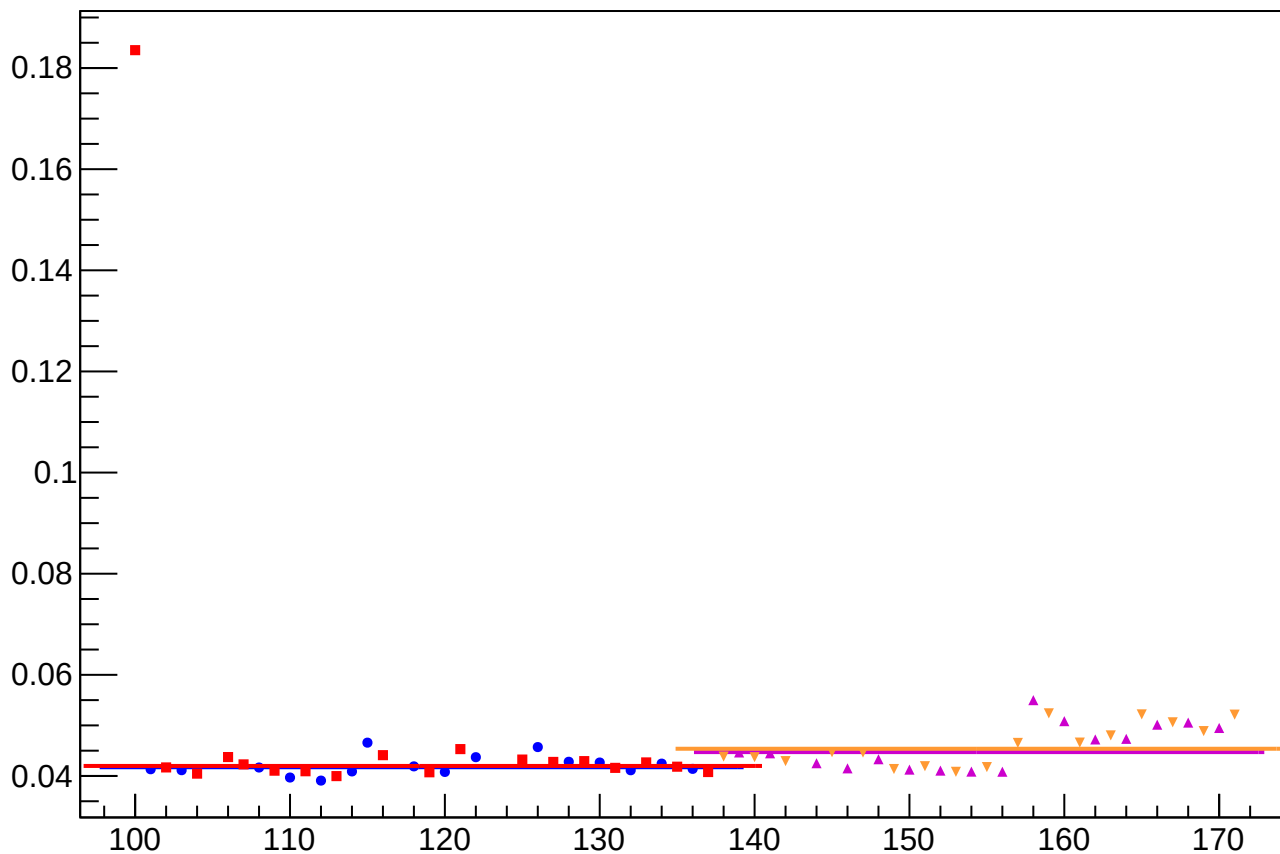
All: 0.081 ± 0.000 χ^2/NDF : 1868075.2/69

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000	χ^2/NDF : 291421048436.2/15	Left: 82.943+/-0.000	χ^2/NDF : 8894392395.3/32
Left Out: 82.975+/-0.000	χ^2/NDF : 4447507882.1/16	Right: 85.675+/-0.000	χ^2/NDF : 468146833571.9/33
Right Out: 84.920+/-0.000	χ^2/NDF : 172195187677.7/17	In: 84.268+/-0.000	χ^2/NDF : 325103815219.8/31
Left In: 82.911+/-0.000	χ^2/NDF : 4434484524.7/15	Out: 83.739+/-0.000	χ^2/NDF : 185605957181.4/34
		All: 84.002+/-0.000	χ^2/NDF : 512091785444.0

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.045+/-0.000 χ^2/NDF :167517.6/16

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

Left In: 0.045+/-0.000 χ^2/NDF :203456.4/15

Left: 0.045+/-0.000 χ^2/NDF : 373645.1/32

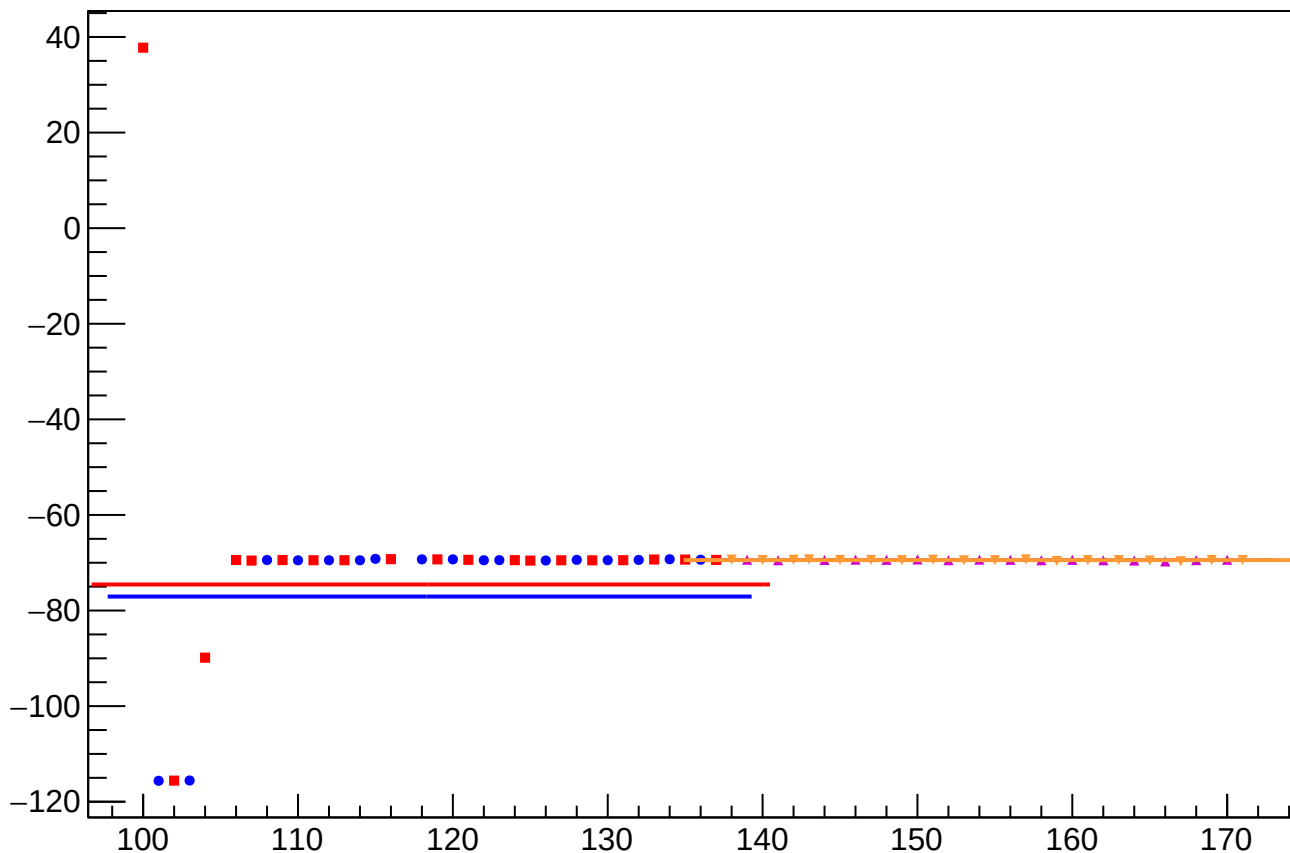
Right: 0.042+/-0.000 χ^2/NDF : 116001.6/33

In: 0.044+/-0.000 χ^2/NDF :263956.0/31

Out: 0.044+/-0.000 χ^2/NDF :319245.2/34

All: 0.044+/-0.000 χ^2/NDF : 585402.7/66

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.449+/-0.000 χ^2/NDF : 39384662.4/17

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

Left In: -69.428+/-0.000 χ^2/NDF : 31664318.6/15

Left: -69.439+/-0.000 χ^2/NDF : 71996920.9/33

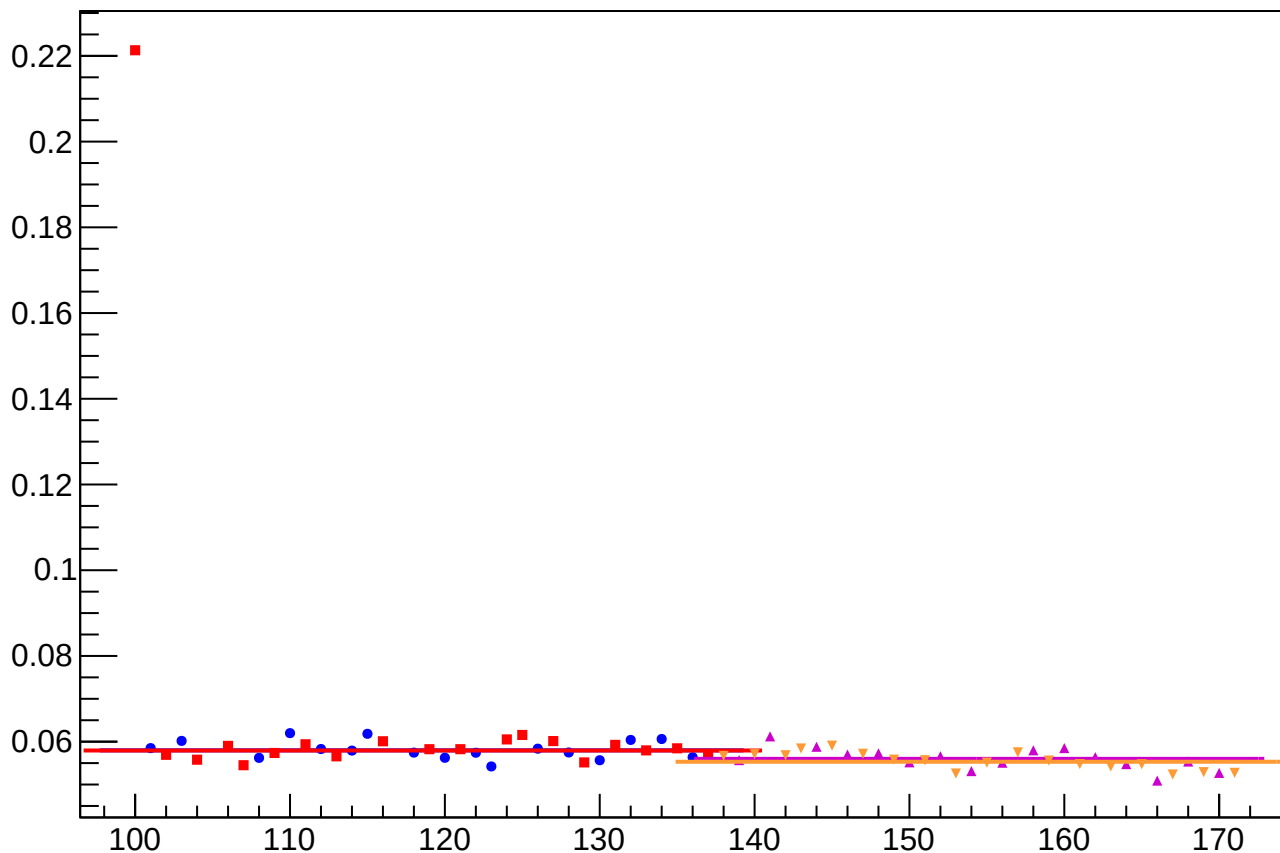
Right: -75.769+/-0.000 χ^2/NDF : 943595296169.5/3

In: -71.969+/-0.000 χ^2/NDF : 640184616550.2/32

Out: -71.104+/-0.000 χ^2/NDF : 407775444535.2/36

All: -71.517+/-0.000 χ^2/NDF : 105020931839

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 ± 0.000 χ^2/NDF : 12275.6/16

Left Out: 0.055 ± 0.000 χ^2/NDF : 33227.6/17

Right Out: 0.058 ± 0.000 χ^2/NDF : 86466.5/18

Left In: 0.056 ± 0.000 χ^2/NDF : 44771.7/15

Left: 0.056 ± 0.000 χ^2/NDF : 79837.1/33

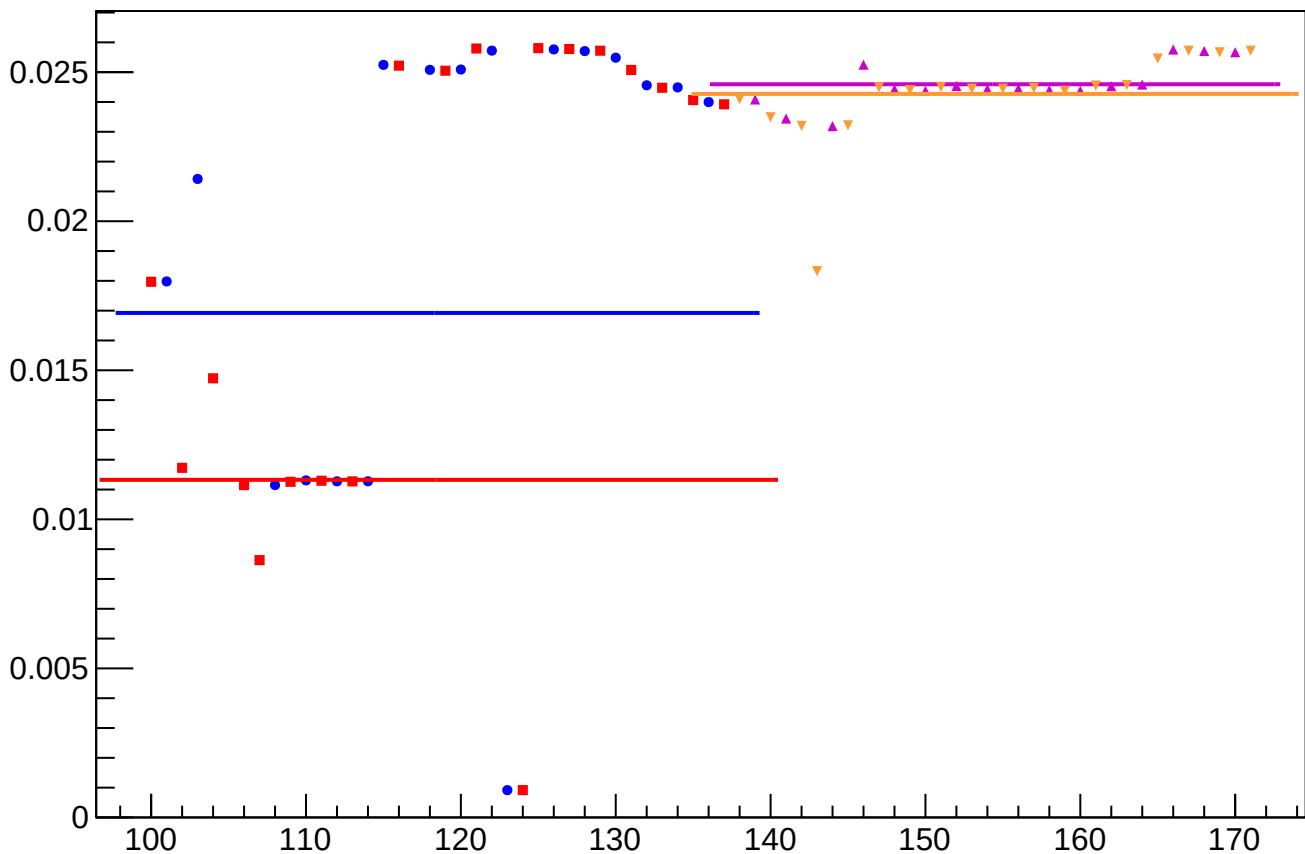
Right: 0.058 ± 0.000 χ^2/NDF : 98743.9/35

In: 0.057 ± 0.000 χ^2/NDF : 67091.6/32

Out: 0.056 ± 0.000 χ^2/NDF : 138723.8/36

All: 0.056 ± 0.000 χ^2/NDF : 207205.4/69

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000

χ²/NDF: 126447785006.7/16

Left: 0.024+/-0.000

χ²/NDF: 7915417106.2/33

Left Out: 0.024+/-0.000

χ²/NDF: 6669711024.5/17

Right: 0.014+/-0.000

χ²/NDF: 392122680736.2/35

Right Out: 0.011+/-0.000

χ²/NDF: 234754769754.2/18

In: 0.021+/-0.000

χ²/NDF: 186030463624.4/32

Out: 0.018+/-0.000

χ²/NDF: 452054627627.9/36

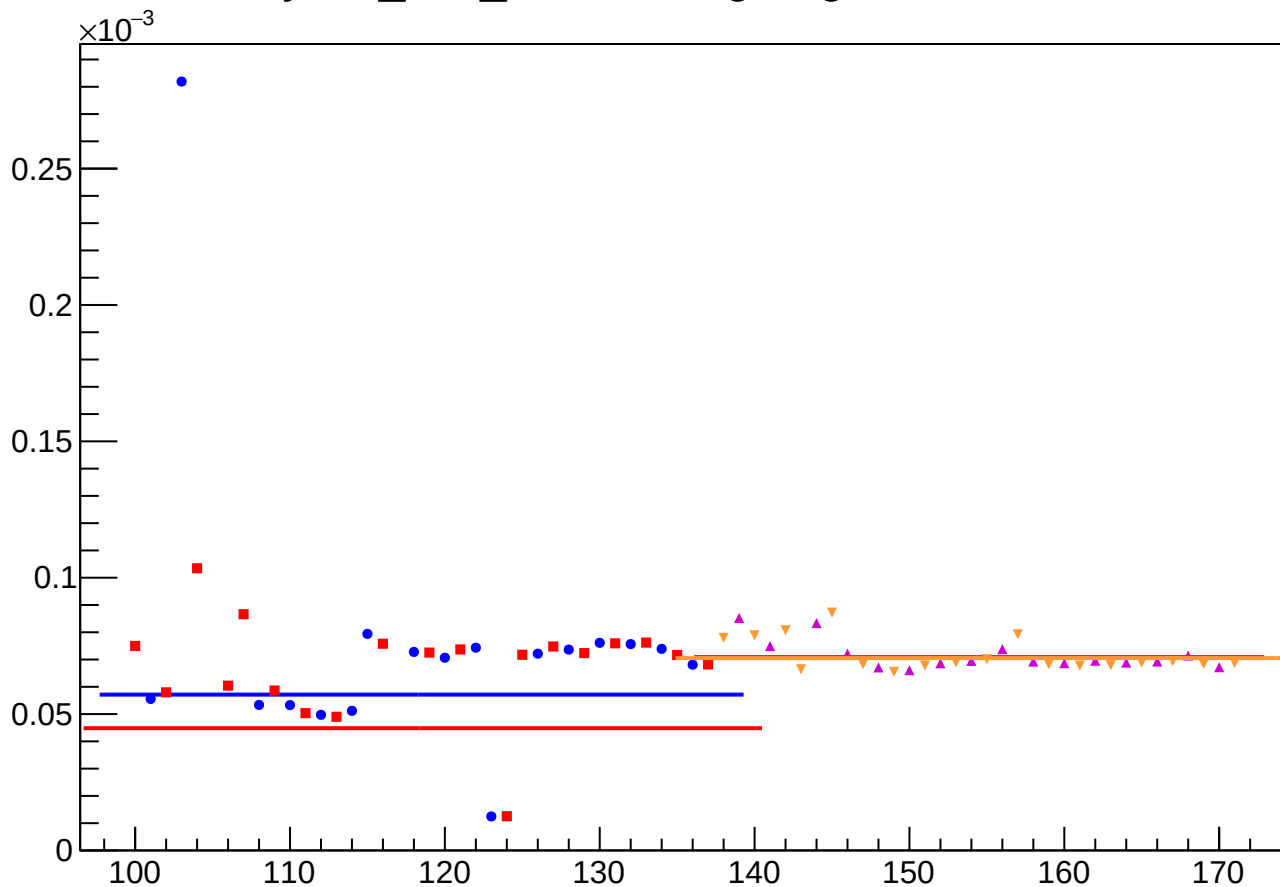
Left In: 0.025+/-0.000

χ²/NDF: 1111977029.8/15

All: 0.020+/-0.000

χ²/NDF: 663555075781.3

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 :144006.9/17

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :111162.0/15

Left: 0.000+/-0.000 χ^2/NDF : 255499.7/33

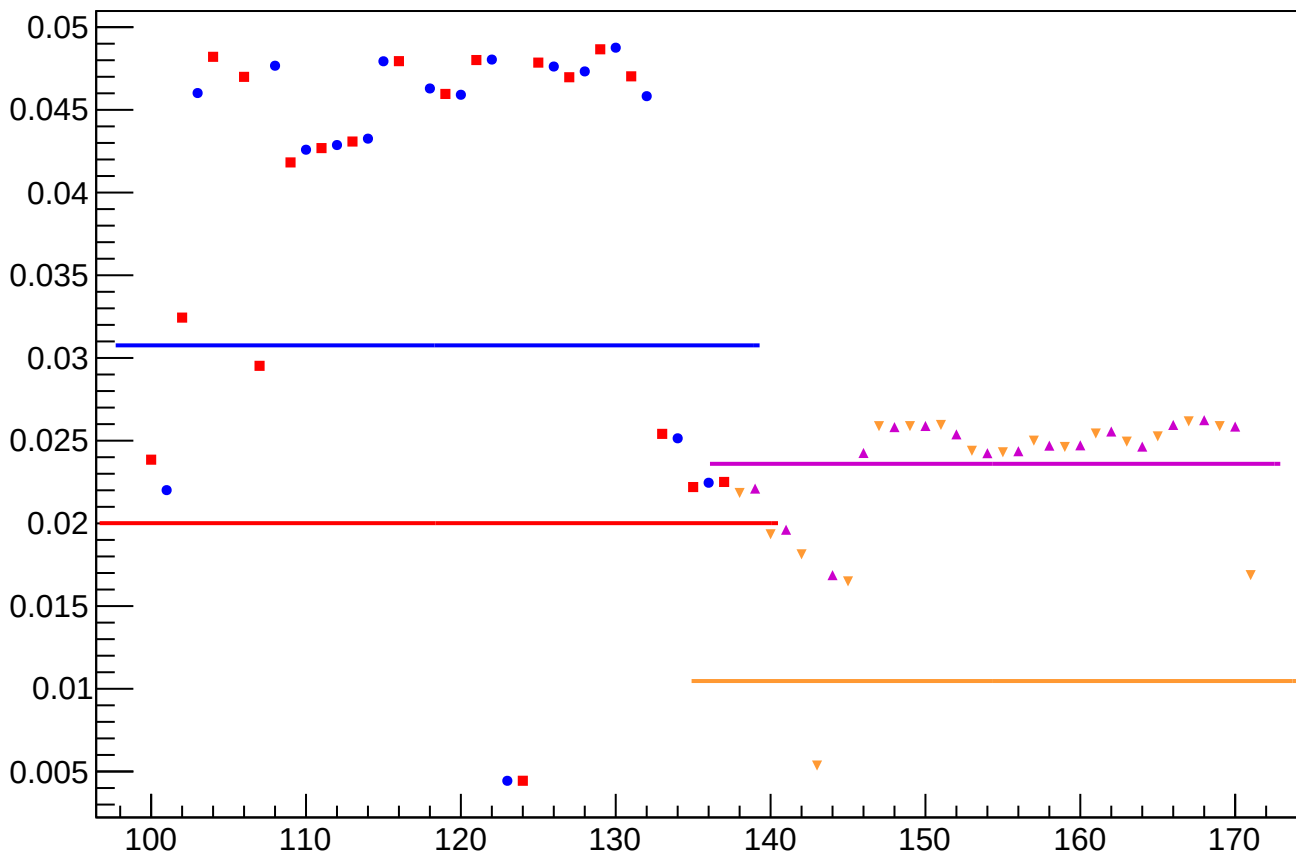
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2487812.5/32

Out: 0.000+/-0.000 χ^2/NDF :5398012.4/36

All: 0.000+/-0.000 χ^2/NDF : 8106419.2/69

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 32571246096.1/17

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

Left In: 0.024+/-0.000 χ^2/NDF : 1176385773.5/15

Left: 0.013+/-0.000 χ^2/NDF : 51132108844.4/33

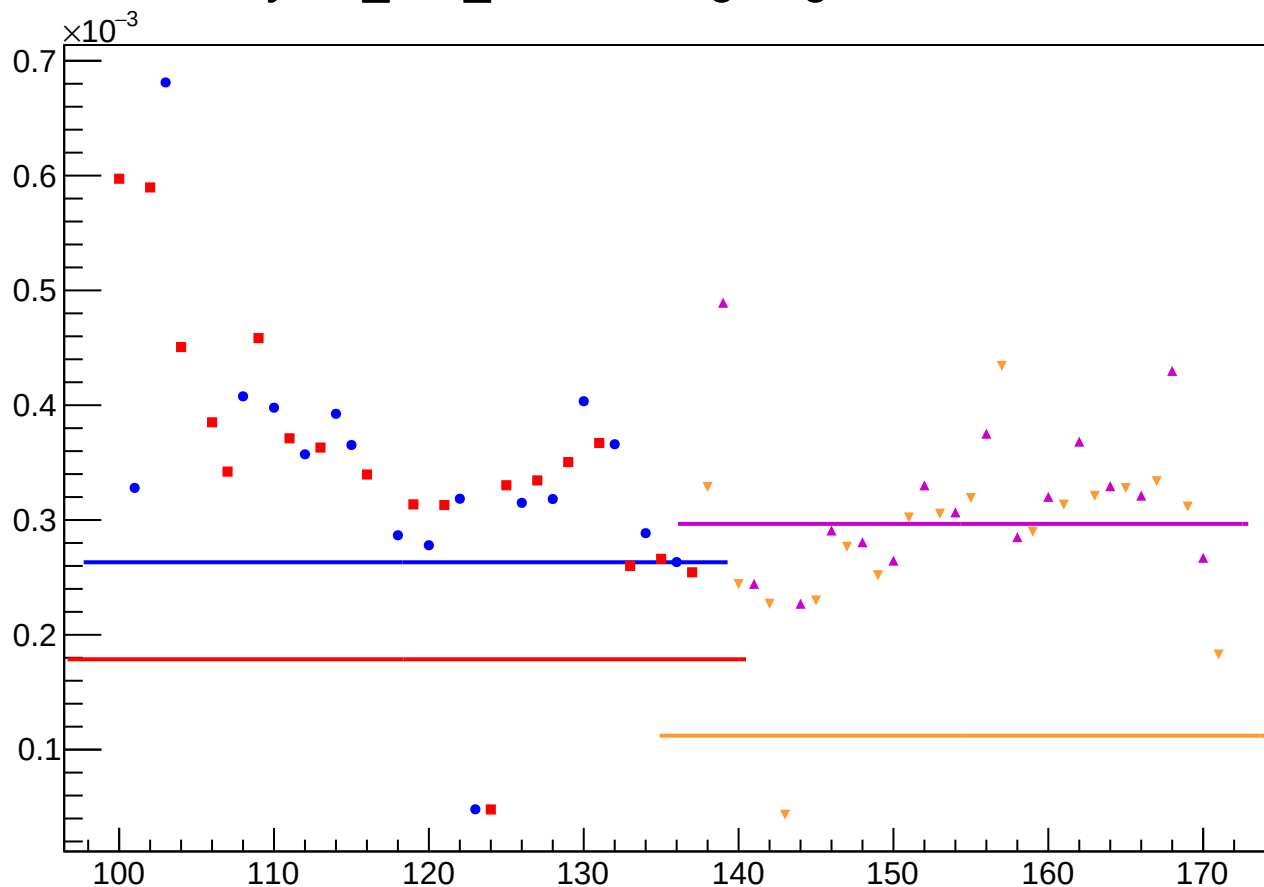
Right: 0.024+/-0.000 χ^2/NDF : 66286425044.9/35

In: 0.026+/-0.000 χ^2/NDF : 24678583047.0/32

Out: 0.012+/-0.000 χ^2/NDF : 81227545014.3/36

All: 0.016+/-0.000 χ^2/NDF : 134678555834.9

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 :11947907.8/17

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF :786418.1/15

Left: 0.000+/-0.000 χ^2/NDF : 19595239.8/33

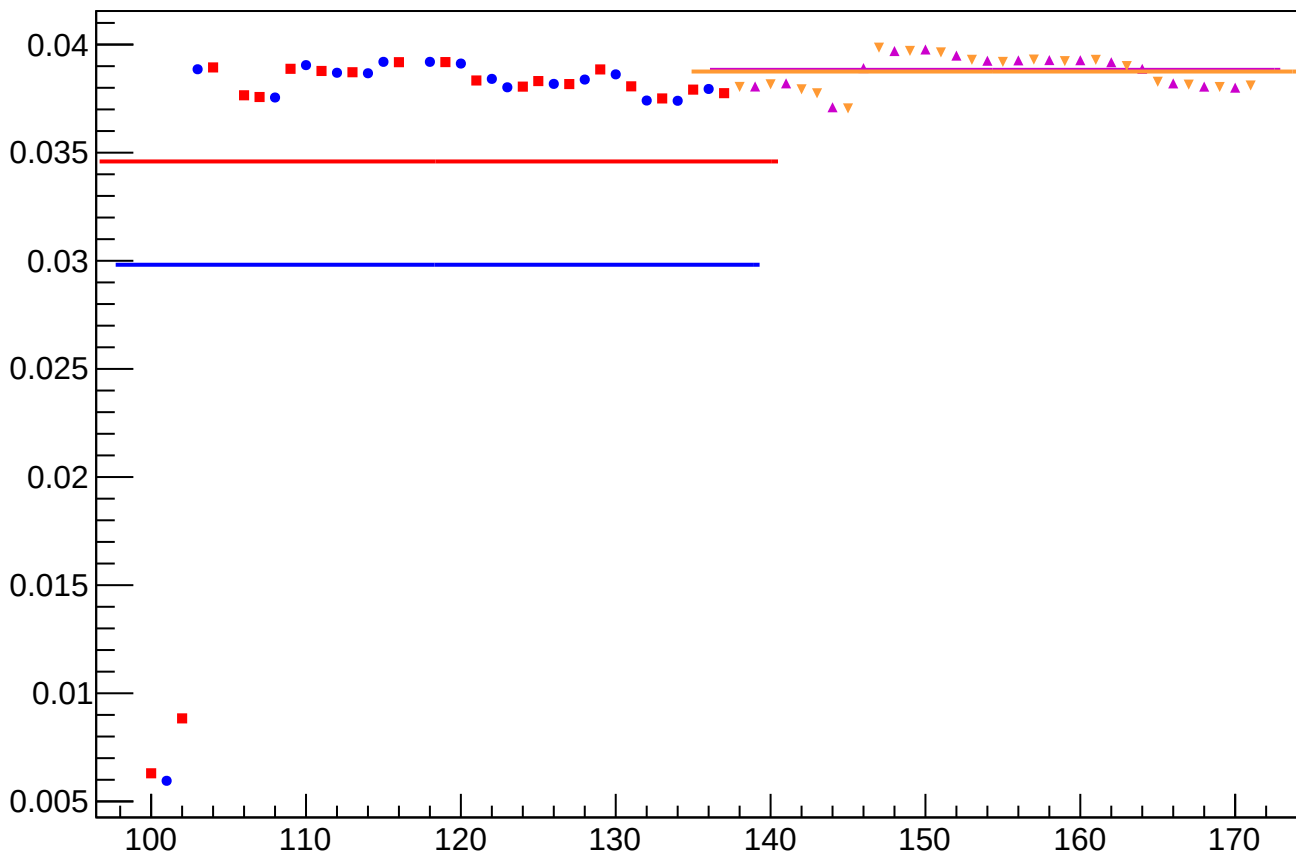
Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF :3288954.8/32

Out: 0.000+/-0.000 χ^2/NDF :18129307.4/36

All: 0.000+/-0.000 χ^2/NDF : 29041449.7/69

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 : 814023172.6/33

Left Out: 0.039+/-0.000

χ^2/NDF : 439273750.3/17

Right: 0.032+/-0.000

χ^2/NDF : 145974720907.4/35

Right Out: 0.035+/-0.000

χ^2/NDF : 43669374279.3/18

In: 0.035+/-0.000

χ^2/NDF : 120398584718.5/32

Out: 0.037+/-0.000

χ^2/NDF : 48868496303.0/36

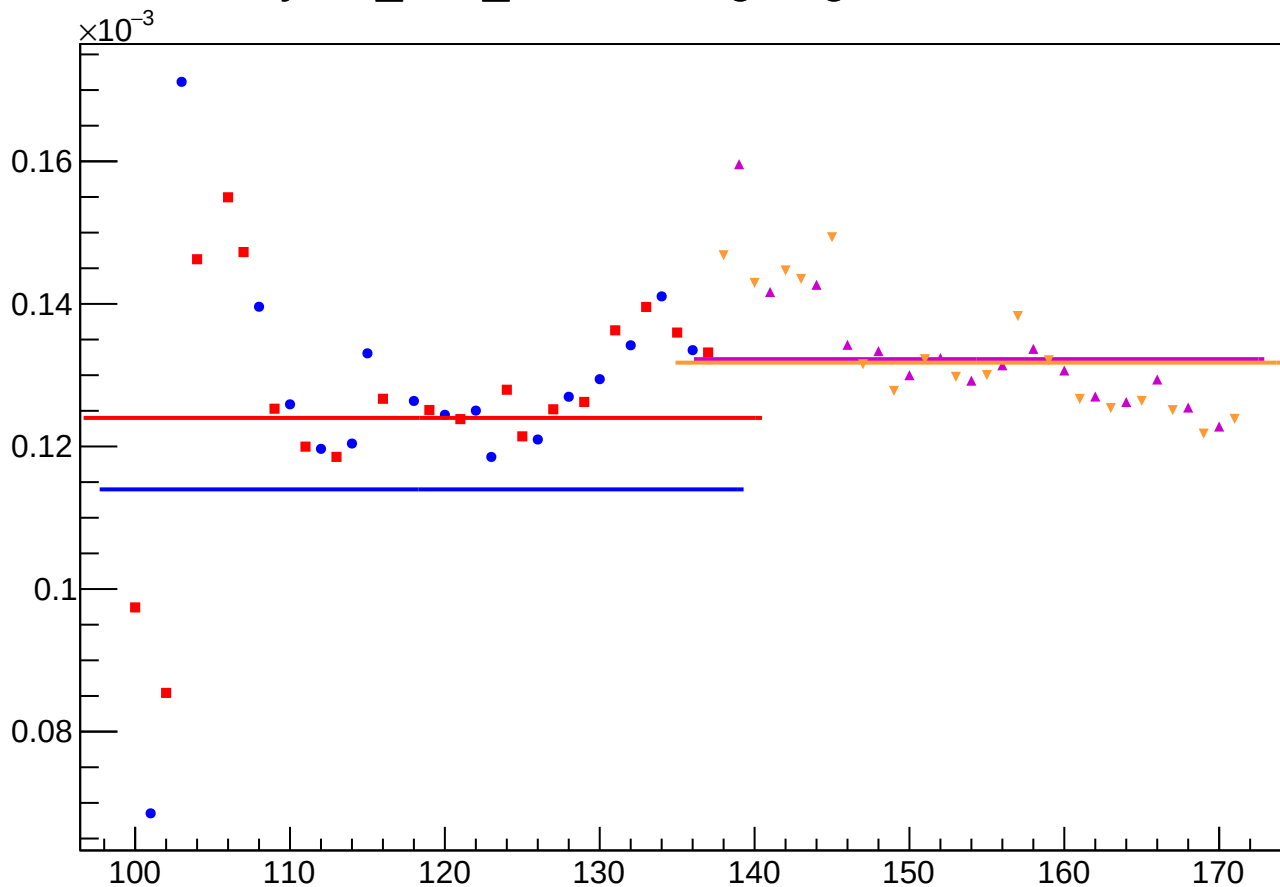
Left In: 0.039+/-0.000

χ^2/NDF : 372558614.0/15

All: 0.036+/-0.000

χ^2/NDF : 171739650493.4

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 : 94643.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 79994.4/15

Left: 0.000+/-0.000 χ^2/NDF : 174813.1/33

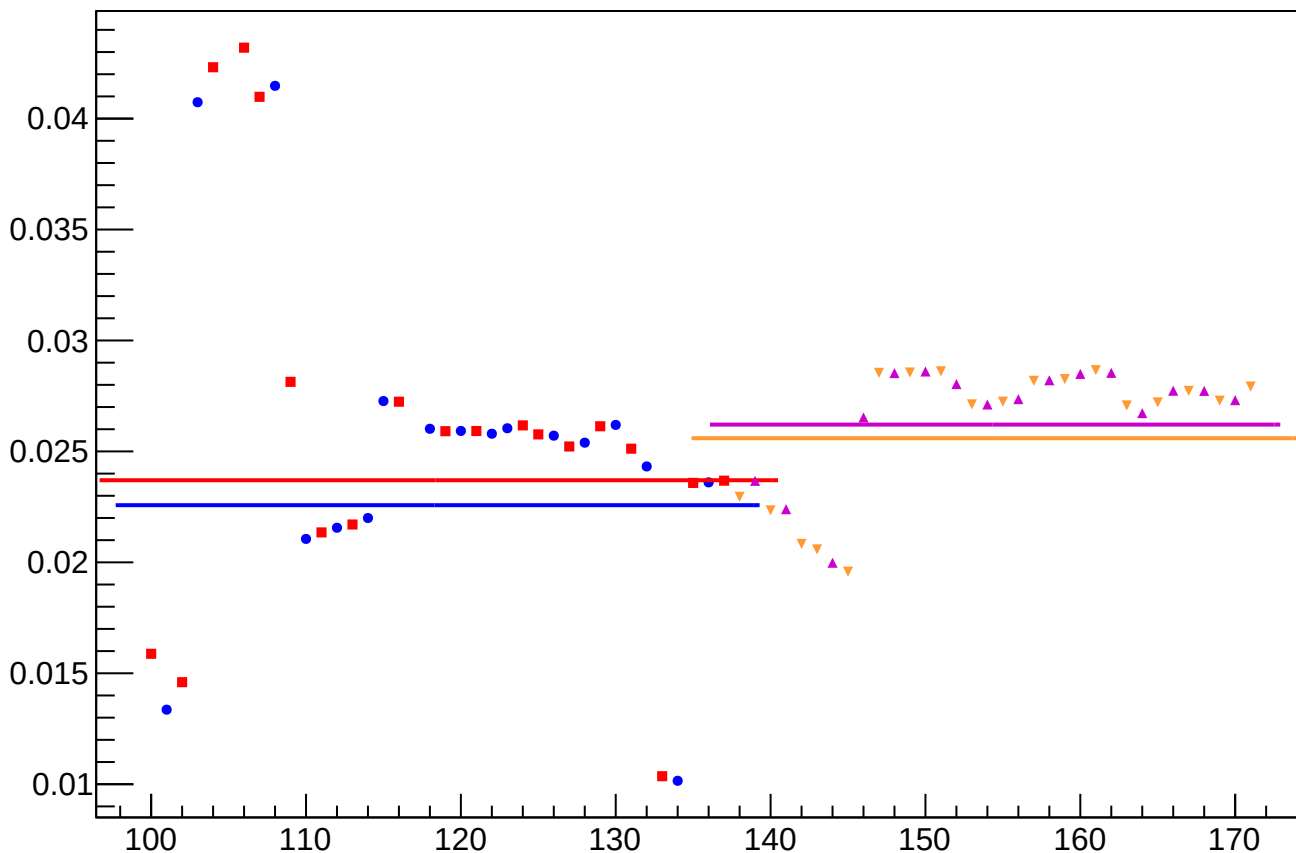
Right: 0.000+/-0.000 χ^2/NDF : 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF : 1062544.9/32

Out: 0.000+/-0.000 χ^2/NDF : 372892.2/36

All: 0.000+/-0.000 χ^2/NDF : 1454911.9/69

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.026+/-0.000 χ^2/NDF : 1715597583.7/17

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

Left In: 0.026+/-0.000 χ^2/NDF : 1145645392.8/15

Left: 0.026+/-0.000 χ^2/NDF : 2888089080.9/33

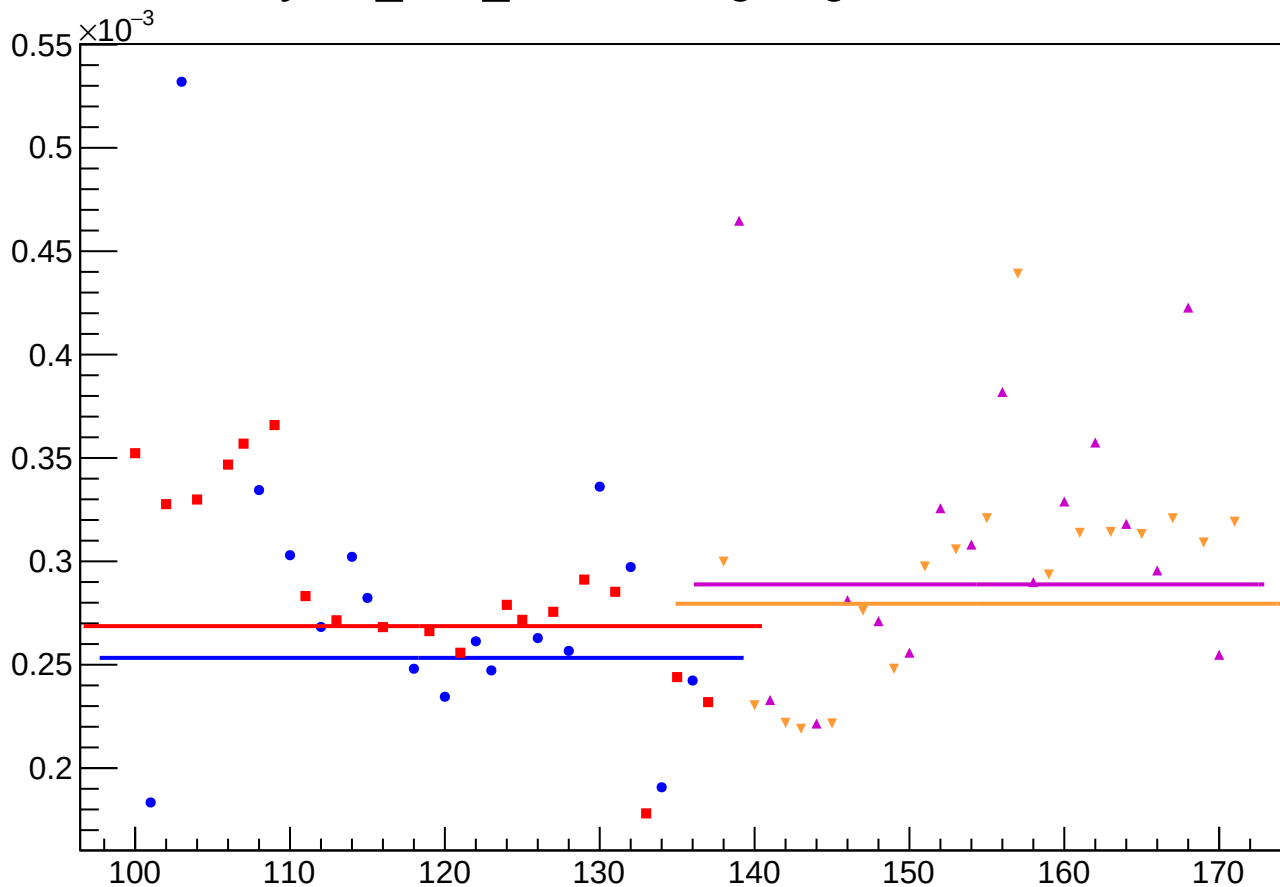
Right: 0.023+/-0.000 χ^2/NDF : 9954563356.3/35

In: 0.025+/-0.000 χ^2/NDF : 6104104644.5/32

Out: 0.025+/-0.000 χ^2/NDF : 7562759004.8/36

All: 0.025+/-0.000 χ^2/NDF : 13670094790.1/6

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 :628101.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF :841631.4/15

Left: 0.000+/-0.000 χ^2/NDF : 1482172.4/33

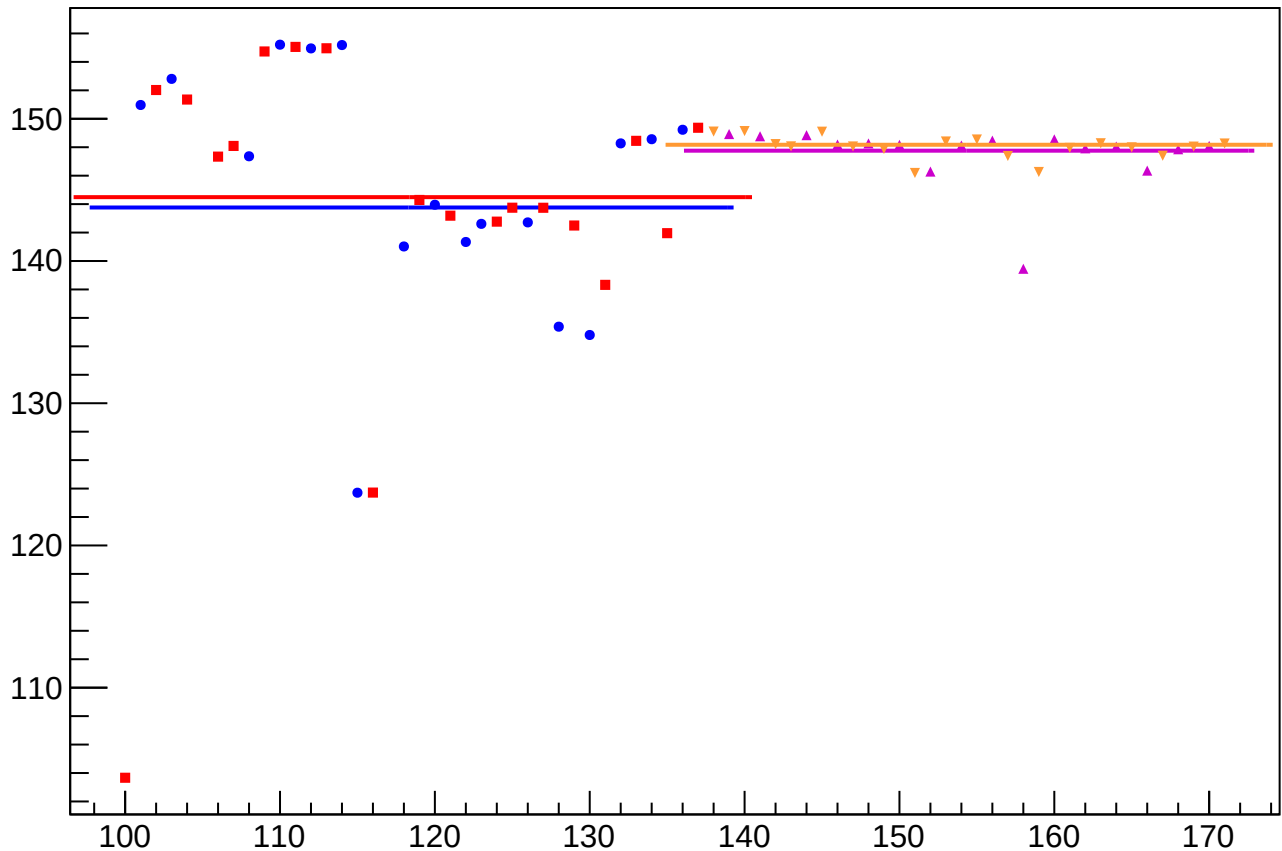
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF :1606801.2/32

Out: 0.000+/-0.000 χ^2/NDF :1069228.7/36

All: 0.000+/-0.000 χ^2/NDF : 2676290.9/69

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.174+/-0.000 χ^2/NDF : 52480898.2/17

Right Out: 144.490+/-0.000 χ^2/NDF : 4182548232.5/18

Left In: 147.757+/-0.000 χ^2/NDF : 325567373.3/15

Left: 147.974+/-0.000 χ^2/NDF : 384431716.3/33

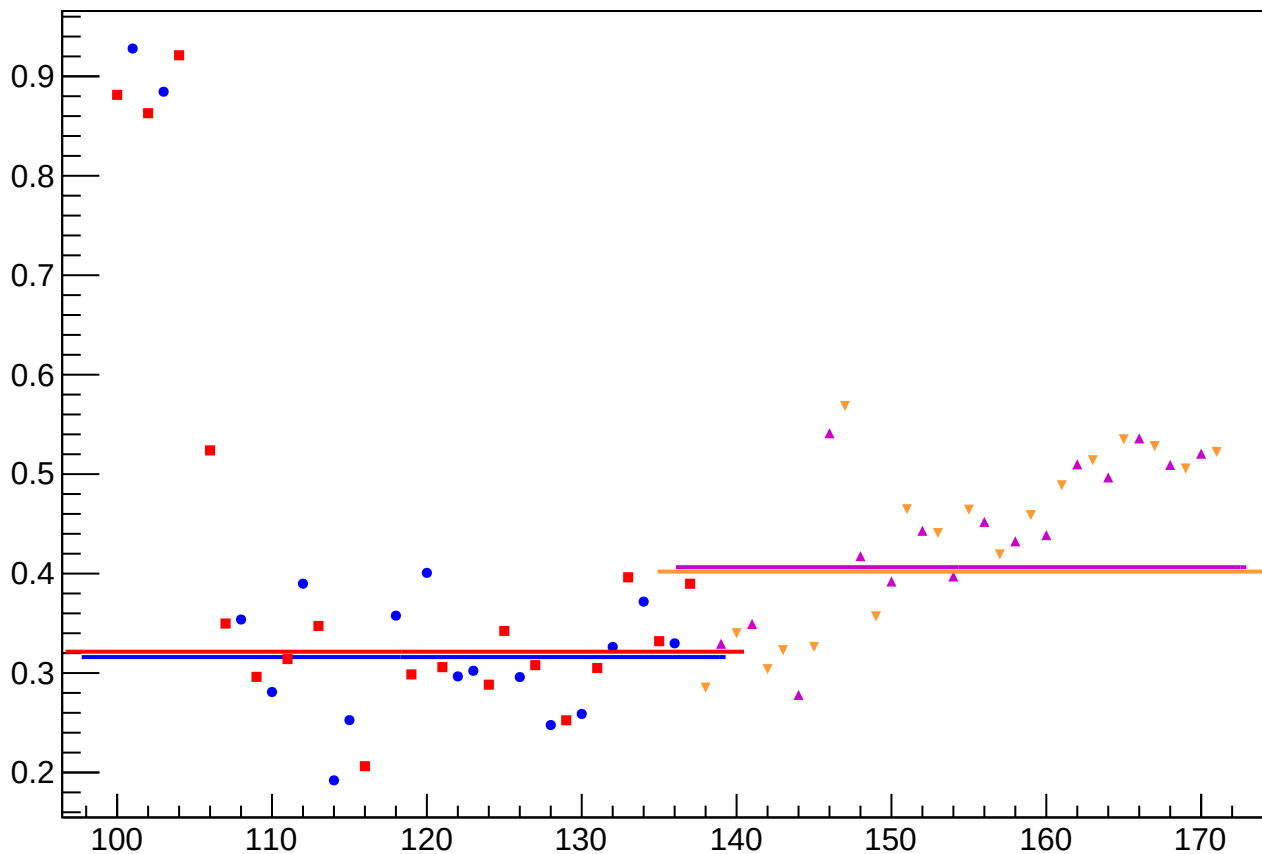
Right: 144.130+/-0.000 χ^2/NDF : 7732099987.4/35

In: 145.995+/-0.000 χ^2/NDF : 4356026866.6/32

Out: 146.611+/-0.000 χ^2/NDF : 4677734293.8/36

All: 146.311+/-0.000 χ^2/NDF : 9058359597.8

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.402+/-0.000 χ^2/NDF :1203210.5/17

Right Out: 0.321+/-0.000 χ^2/NDF : 1219073.9/18

Left In: 0.406+/-0.000 χ^2/NDF :920643.0/15

Left: 0.404+/-0.000 χ^2/NDF : 2125303.5/33

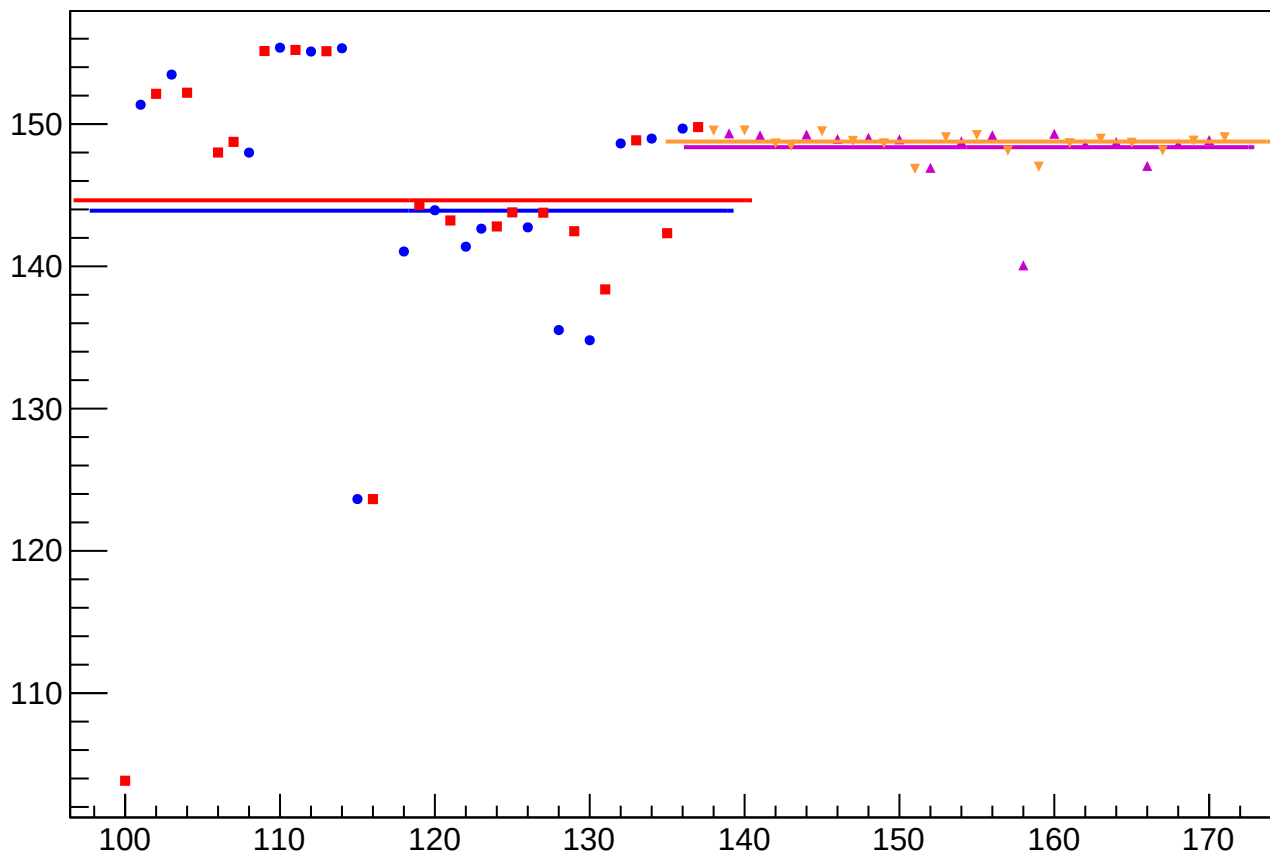
Right: 0.319+/-0.000 χ^2/NDF : 2486648.0/35

In: 0.367+/-0.000 χ^2/NDF :2694524.0/32

Out: 0.368+/-0.000 χ^2/NDF :2845567.2/36

All: 0.367+/-0.000 χ^2/NDF : 5540300.3/69

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2/NDF : 3587769790.2/16

Left Out: 148.770 $\pm$ 0.000 χ^2/NDF : 41169234.5/17

Right Out: 144.640 $\pm$ 0.000 χ^2/NDF : 4209610240.4/18

Left In: 148.374 $\pm$ 0.000 χ^2/NDF : 314840600.9/15

Left: 148.581 $\pm$ 0.000 χ^2/NDF : 361643408.0/33

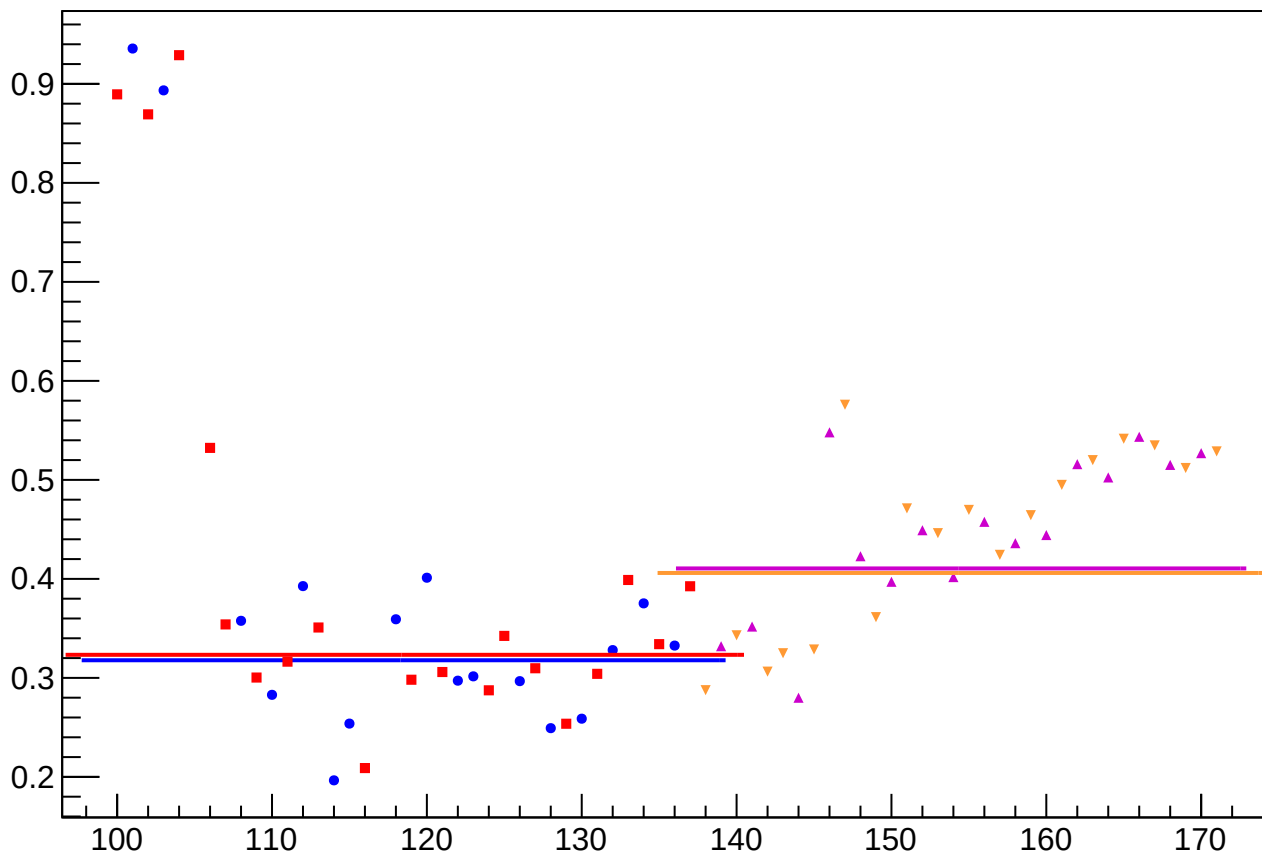
Right: 144.280 $\pm$ 0.000 χ^2/NDF : 7812104995.9/35

In: 146.395 $\pm$ 0.000 χ^2/NDF : 4511790992.2/32

Out: 147.009 $\pm$ 0.000 χ^2/NDF : 4798542623.5/36

All: 146.711 $\pm$ 0.000 χ^2/NDF : 9334354638.0

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.406+/-0.000 χ^2/NDF :1225237.0/17

Right Out: 0.323+/-0.000 χ^2/NDF : 1222241.9/18

Left In: 0.411+/-0.000 χ^2/NDF :939183.8/15

Left: 0.408+/-0.000 χ^2/NDF : 2165920.4/33

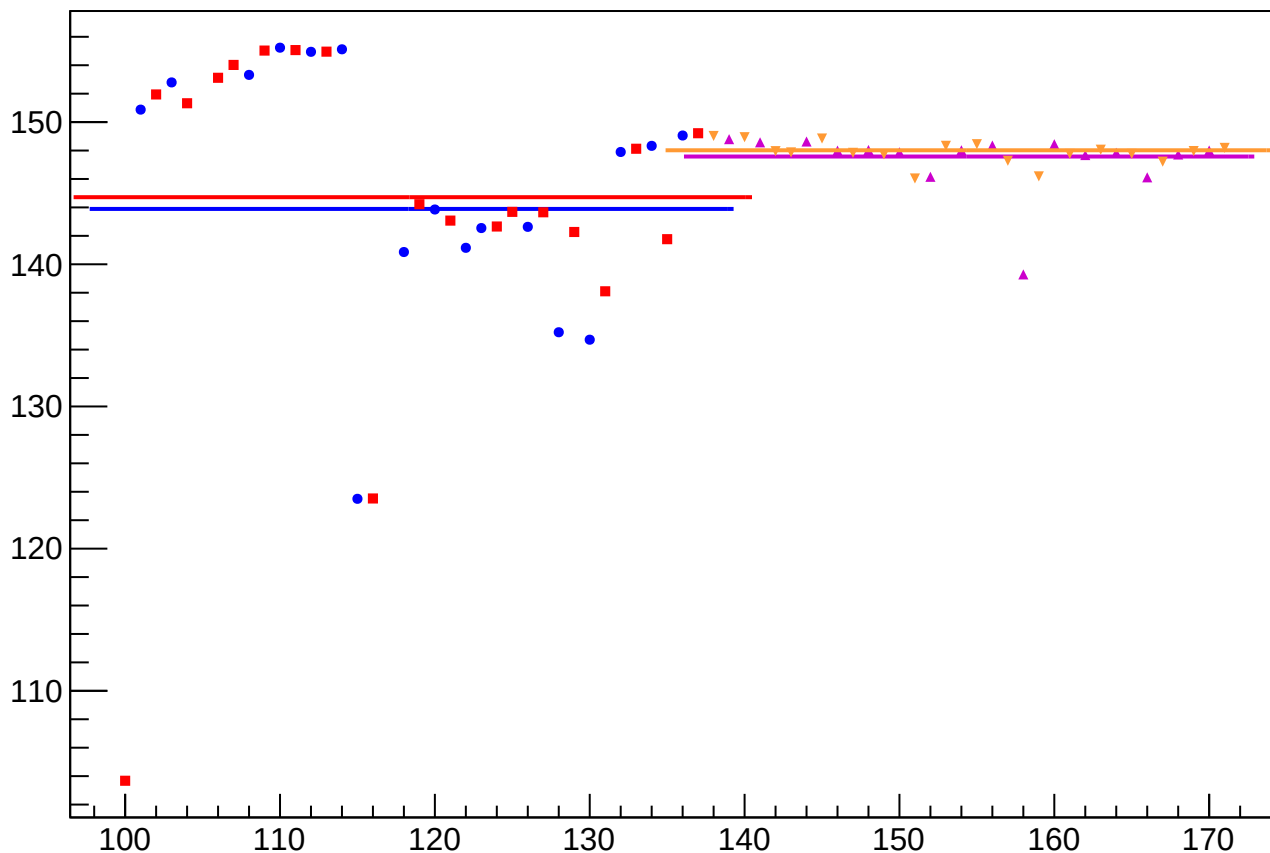
Right: 0.321+/-0.000 χ^2/NDF : 2492180.0/35

In: 0.369+/-0.000 χ^2/NDF :2733786.8/32

Out: 0.371+/-0.000 χ^2/NDF :2886694.1/36

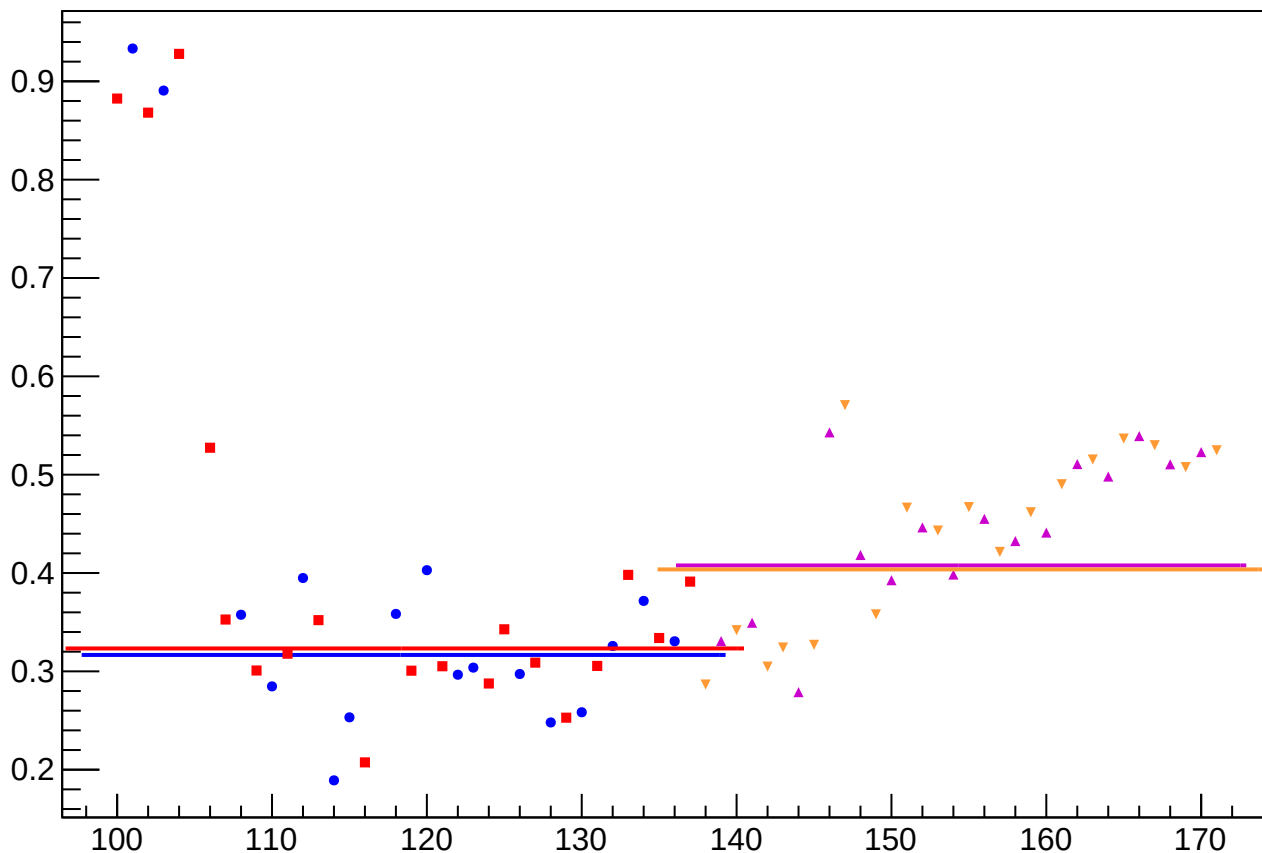
All: 0.370+/-0.000 χ^2/NDF : 5620700.9/69

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893+/-0.000	χ^2/NDF : 3752655677.2/16	Left: 147.808+/-0.000	χ^2/NDF : 382641105.4/33
Left Out: 148.018+/-0.000	χ^2/NDF : 50981738.0/17	Right: 144.309+/-0.000	χ^2/NDF : 8244852440.8/35
Right Out: 144.719+/-0.000	χ^2/NDF : 4473225884.5/18	In: 145.953+/-0.000	χ^2/NDF : 4496833765.0/32
Left In: 147.579+/-0.000	χ^2/NDF : 324623189.5/15	Out: 146.621+/-0.000	χ^2/NDF : 4875785394.4/36
		All: 146.296+/-0.000	χ^2/NDF : 9401324107.1

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.404 $\pm$ 0.000 χ^2/NDF :1204524.1/17

Right Out: 0.323 $\pm$ 0.000 χ^2/NDF : 1222784.7/18

Left In: 0.408 $\pm$ 0.000 χ^2/NDF :925583.4/15

Left: 0.406 $\pm$ 0.000 χ^2/NDF : 2131295.8/33

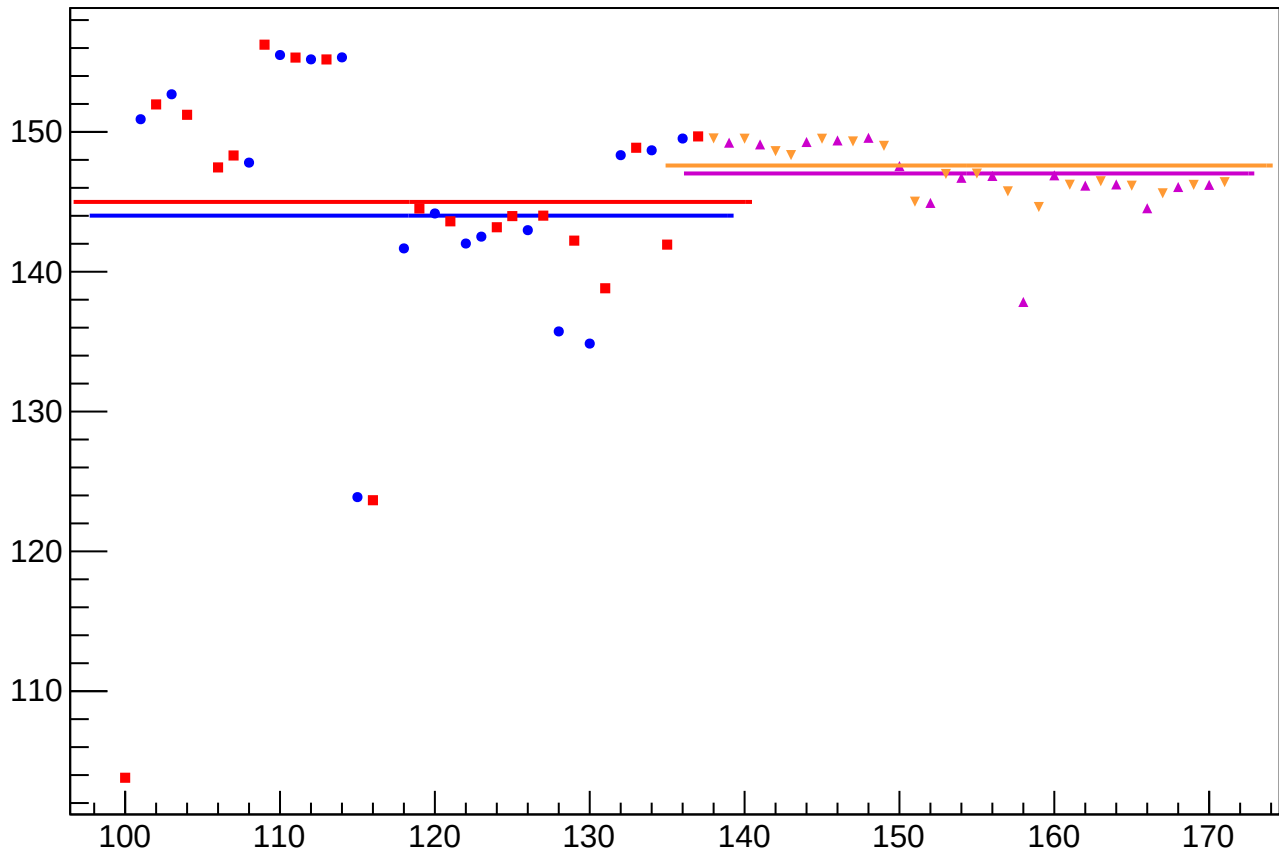
Right: 0.320 $\pm$ 0.000 χ^2/NDF : 2505560.8/35

In: 0.368 $\pm$ 0.000 χ^2/NDF :2717340.9/32

Out: 0.370 $\pm$ 0.000 χ^2/NDF :2844536.7/36

All: 0.369 $\pm$ 0.000 χ^2/NDF : 5562430.5/69

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 147.598 $\pm$ 0.000 χ^2 /NDF: 200446219.4/17

Right Out: 144.994 $\pm$ 0.000 χ^2 /NDF: 3852381452.1/18

Left In: 147.029 $\pm$ 0.000 χ^2 /NDF: 505064251.7/15

Left: 147.326 $\pm$ 0.000 χ^2 /NDF: 716540320.3/33

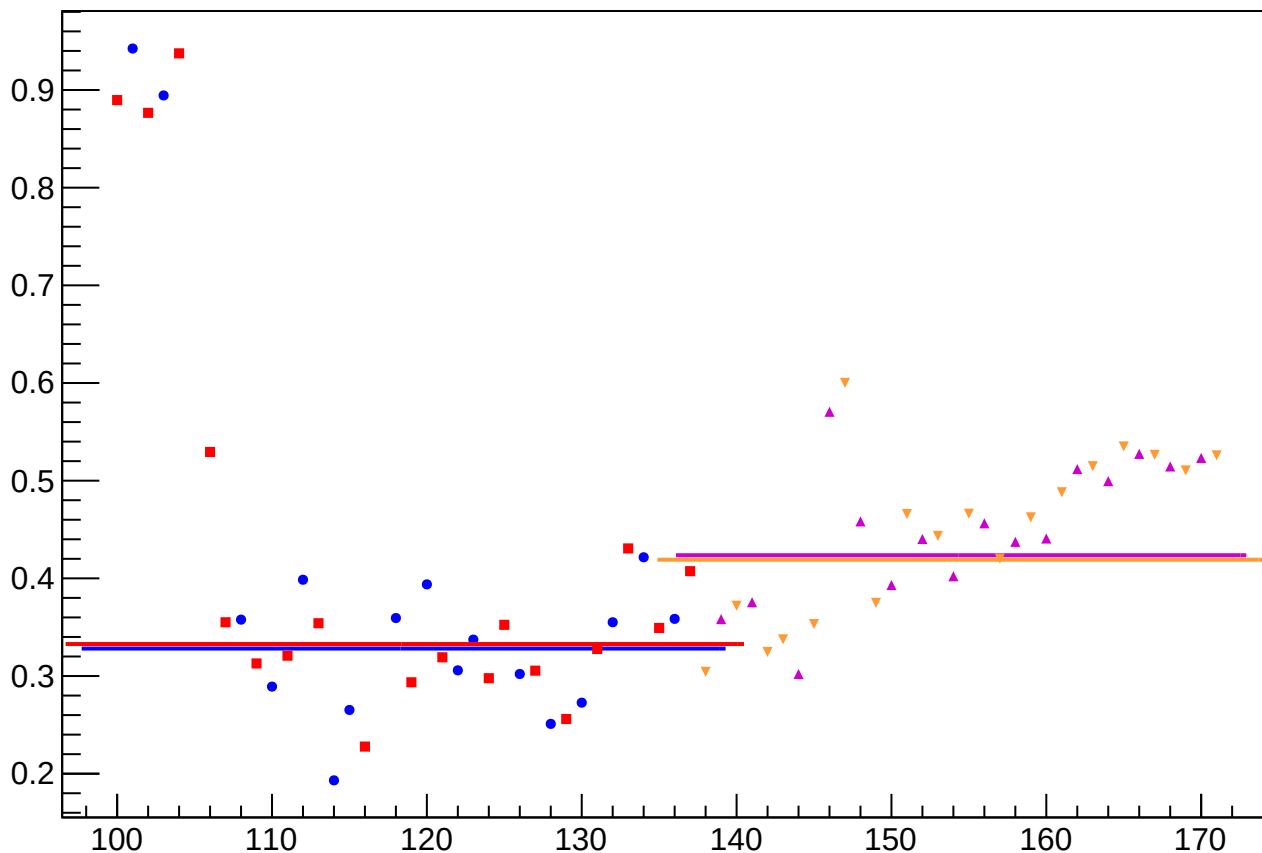
Right: 144.510 $\pm$ 0.000 χ^2 /NDF: 7119138597.7/35

In: 145.702 $\pm$ 0.000 χ^2 /NDF: 4008338241.4/32

Out: 146.489 $\pm$ 0.000 χ^2 /NDF: 4258531546.2/36

All: 146.108 $\pm$ 0.000 χ^2 /NDF: 8304137015.0

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.419+/-0.000 χ^2/NDF : 937025.3/17

Right Out: 0.333+/-0.000 χ^2/NDF : 1185129.6/18

Left In: 0.424+/-0.000 χ^2/NDF : 700193.7/15

Left: 0.421+/-0.000 χ^2/NDF : 1638654.5/33

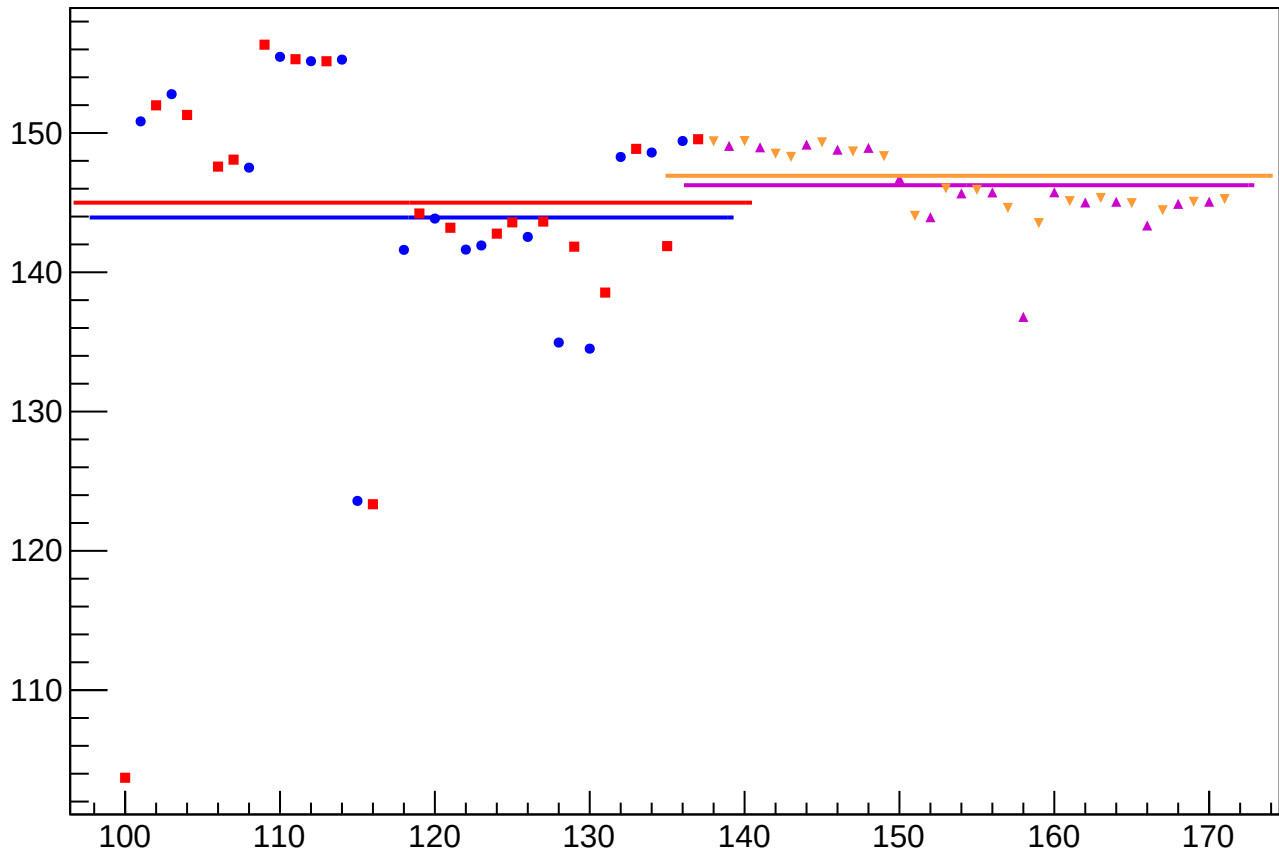
Right: 0.330+/-0.000 χ^2/NDF : 2452140.8/35

In: 0.382+/-0.000 χ^2/NDF : 2490861.7/32

Out: 0.382+/-0.000 χ^2/NDF : 2574108.9/36

All: 0.382+/-0.000 χ^2/NDF : 5065028.8/69

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 146.929 $\pm$ 0.000 χ^2 /NDF: 311106280.9/17

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3932958476.0/18

Left In: 146.251 $\pm$ 0.000 χ^2 /NDF: 625372659.3/15

Left: 146.605 $\pm$ 0.000 χ^2 /NDF: 952107255.6/33

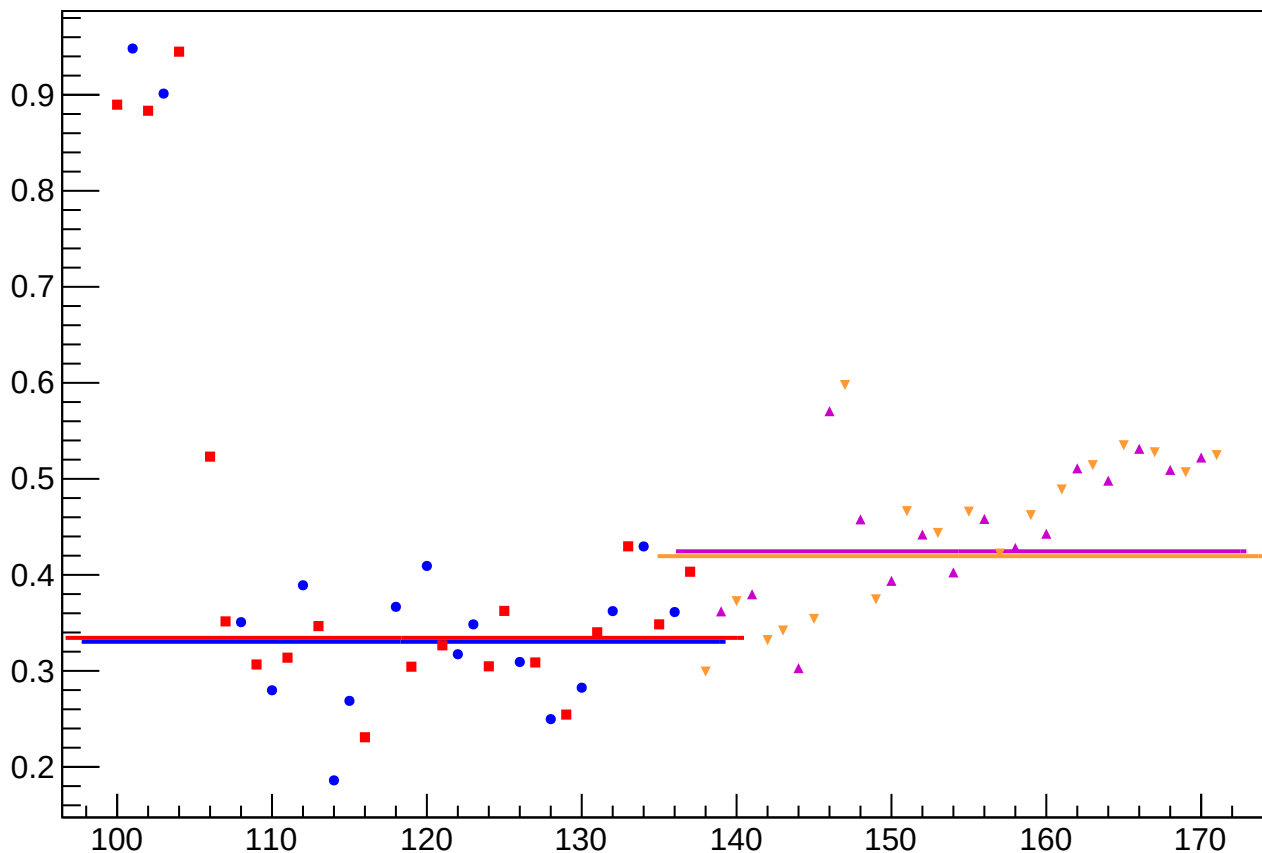
Right: 144.474 $\pm$ 0.000 χ^2 /NDF: 7345100324.4/35

In: 145.238 $\pm$ 0.000 χ^2 /NDF: 4161102836.6/32

Out: 146.111 $\pm$ 0.000 χ^2 /NDF: 4356321061.0/36

All: 145.689 $\pm$ 0.000 χ^2 /NDF: 8562878234.0

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.419+/-0.000 χ^2/NDF : 929954.9/17

Right Out: 0.334+/-0.000 χ^2/NDF : 1174012.0/18

Left In: 0.425+/-0.000 χ^2/NDF : 676603.0/15

Left: 0.422+/-0.000 χ^2/NDF : 1608298.6/33

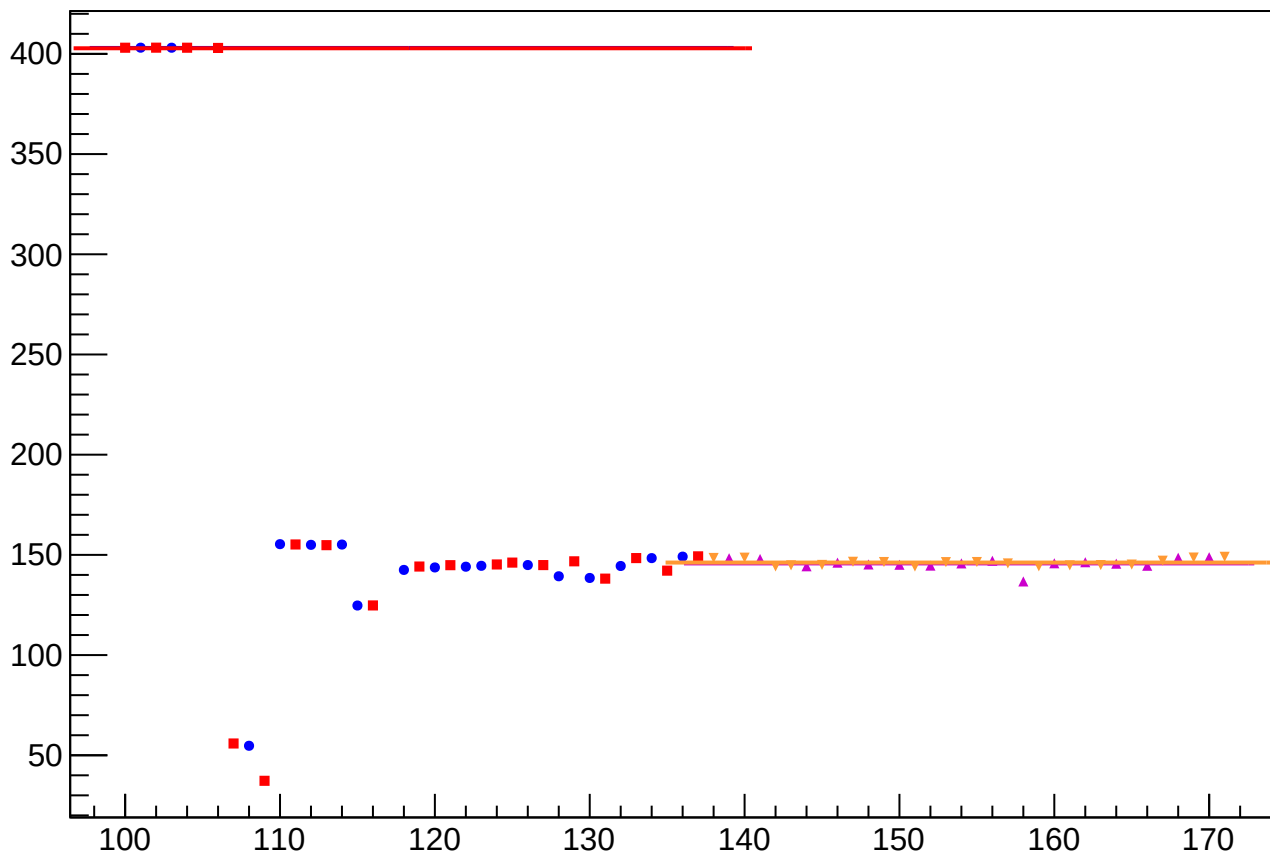
Right: 0.332+/-0.000 χ^2/NDF : 2458819.5/35

In: 0.383+/-0.000 χ^2/NDF : 2465160.0/32

Out: 0.383+/-0.000 χ^2/NDF : 2539811.6/36

All: 0.383+/-0.000 χ^2/NDF : 5004972.0/69

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000

χ^2/NDF : 1094364588383.4/16

Left: 145.959+/-0.000

χ^2/NDF : 238955578.2/33

Left Out: 146.170+/-0.000

χ^2/NDF : 71249401.3/17

Right: 402.873+/-0.000

χ^2/NDF : 4196818264482.1/16

Right Out: 402.799+/-0.000

χ^2/NDF : 3102036567767.5/18

In: 402.750+/-0.000

χ^2/NDF : 2758259185533.6/32

Left In: 145.735+/-0.000

χ^2/NDF : 165252271.5/15

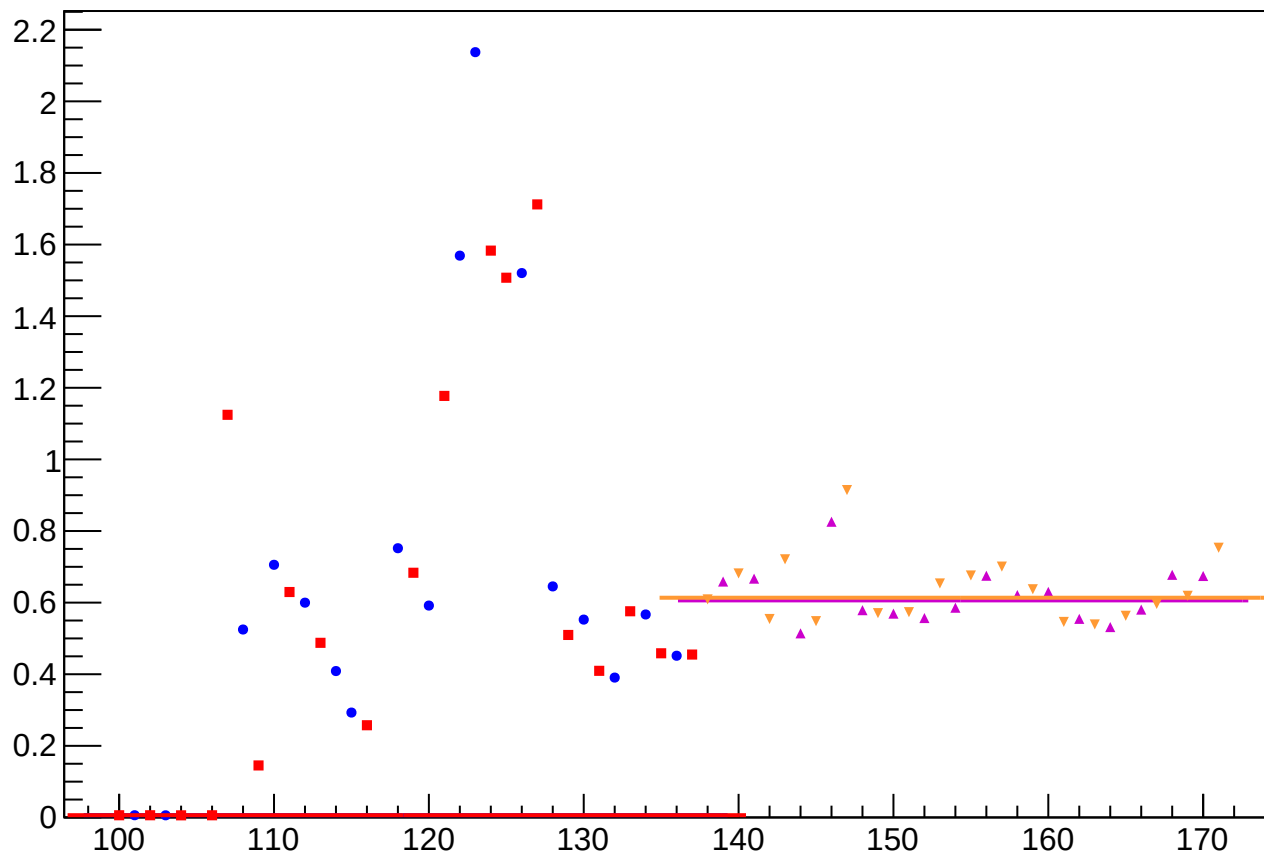
Out: 402.605+/-0.000

χ^2/NDF : 4857036844839.7/32

All: 402.673+/-0.000

χ^2/NDF : 761564450790.0/64

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.614+/-0.000 χ^2/NDF : 309657.1/17

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

Left In: 0.606+/-0.000 χ^2/NDF : 226071.4/15

Left: 0.610+/-0.000 χ^2/NDF : 537147.3/33

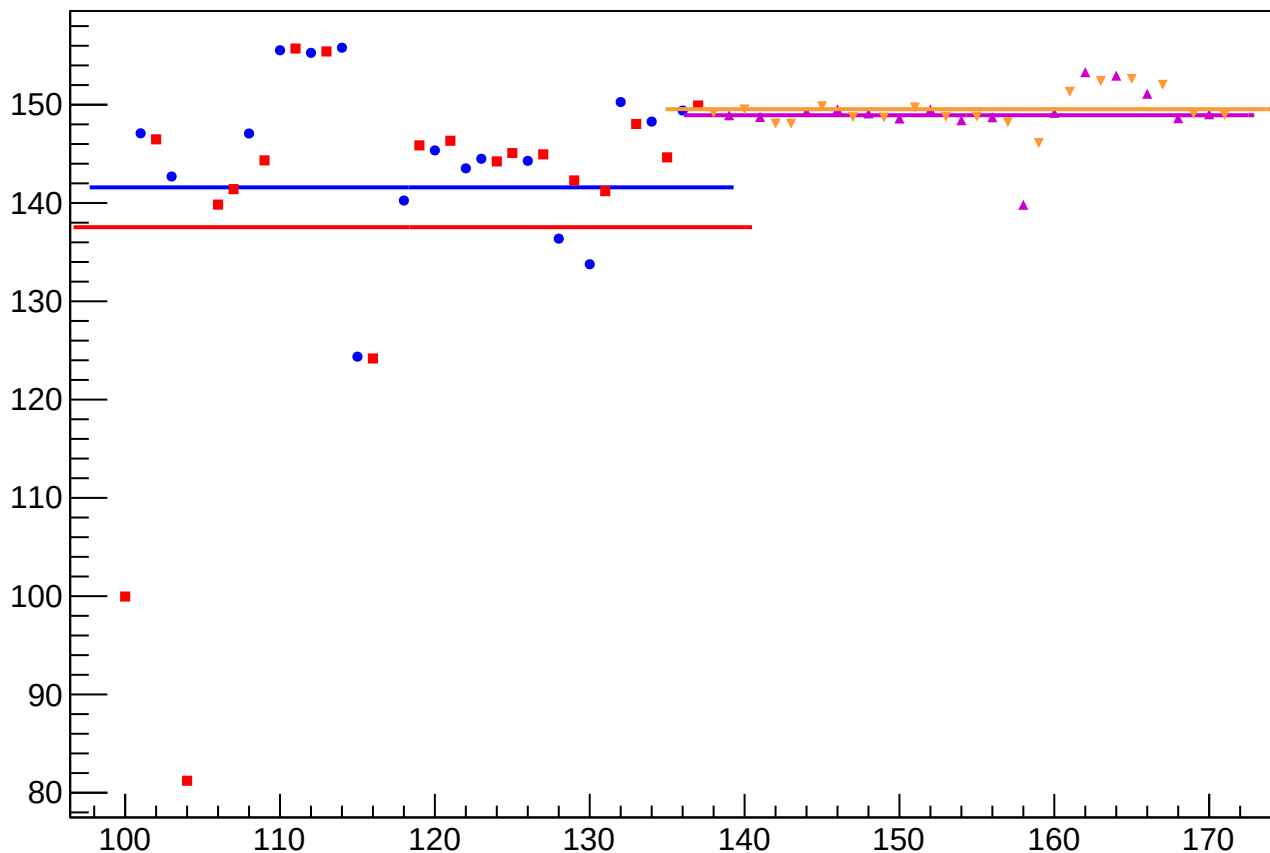
Right: 0.006+/-0.000 χ^2/NDF : 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF : 27405028.4/32

Out: 0.007+/-0.000 χ^2/NDF : 29160201.6/36

All: 0.007+/-0.000 χ^2/NDF : 56565272.1/69

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593+/-0.000 χ^2/NDF : 980101868.2/16

Left Out: 149.551+/-0.000 χ^2/NDF : 119957794.7/17

Right Out: 137.539+/-0.000 χ^2/NDF : 1316096307.7/18

Left In: 148.931+/-0.000 χ^2/NDF : 363120794.8/15

Left: 149.254+/-0.000 χ^2/NDF : 490371757.2/33

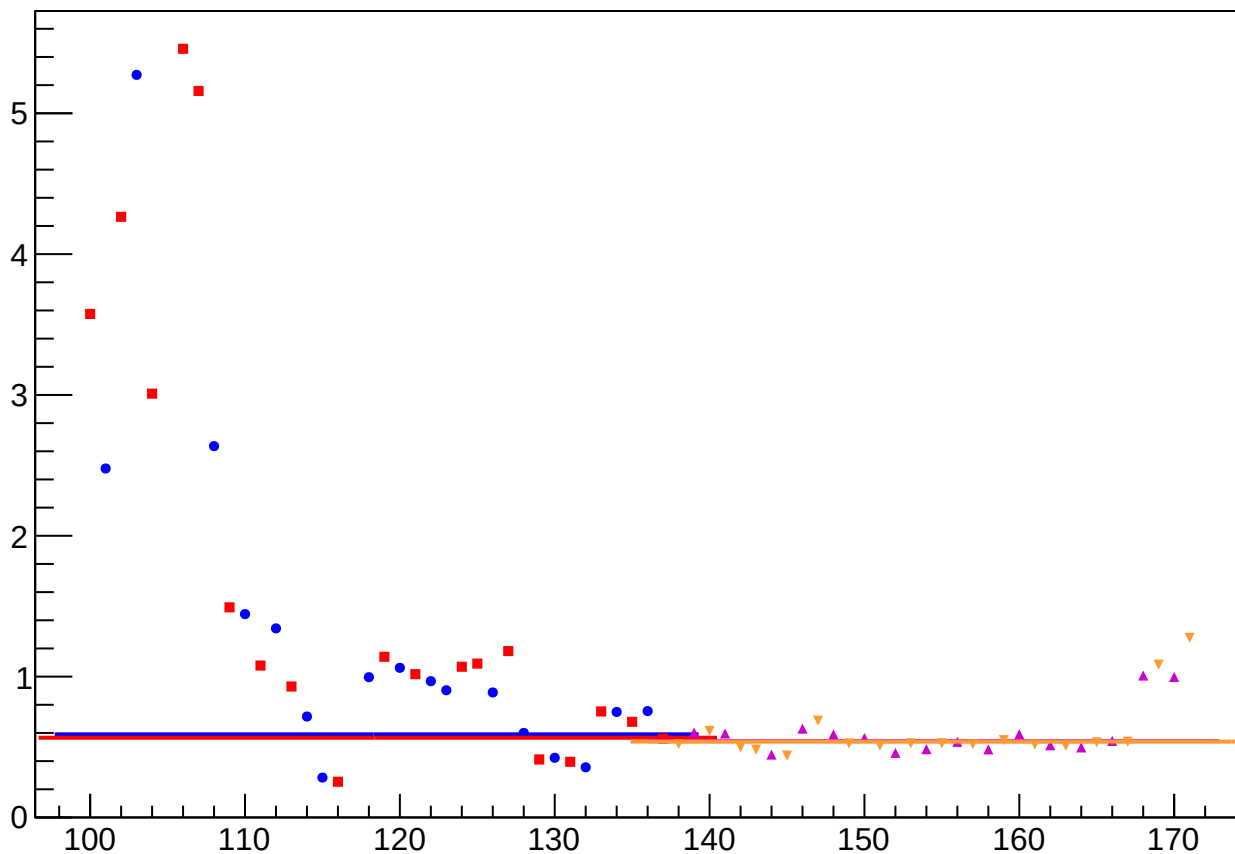
Right: 139.514+/-0.000 χ^2/NDF : 2381261600.7/35

In: 147.339+/-0.000 χ^2/NDF : 1768884063.1/32

Out: 147.012+/-0.000 χ^2/NDF : 2644815252.4/36

All: 147.169+/-0.000 χ^2/NDF : 4416281967.2

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.539+/-0.000 χ^2/NDF : 1026039.5/17

Right Out: 0.566+/-0.000 χ^2/NDF : 4683596.4/18

Left In: 0.542+/-0.000 χ^2/NDF : 830198.5/15

Left: 0.540+/-0.000 χ^2/NDF : 1856555.3/33

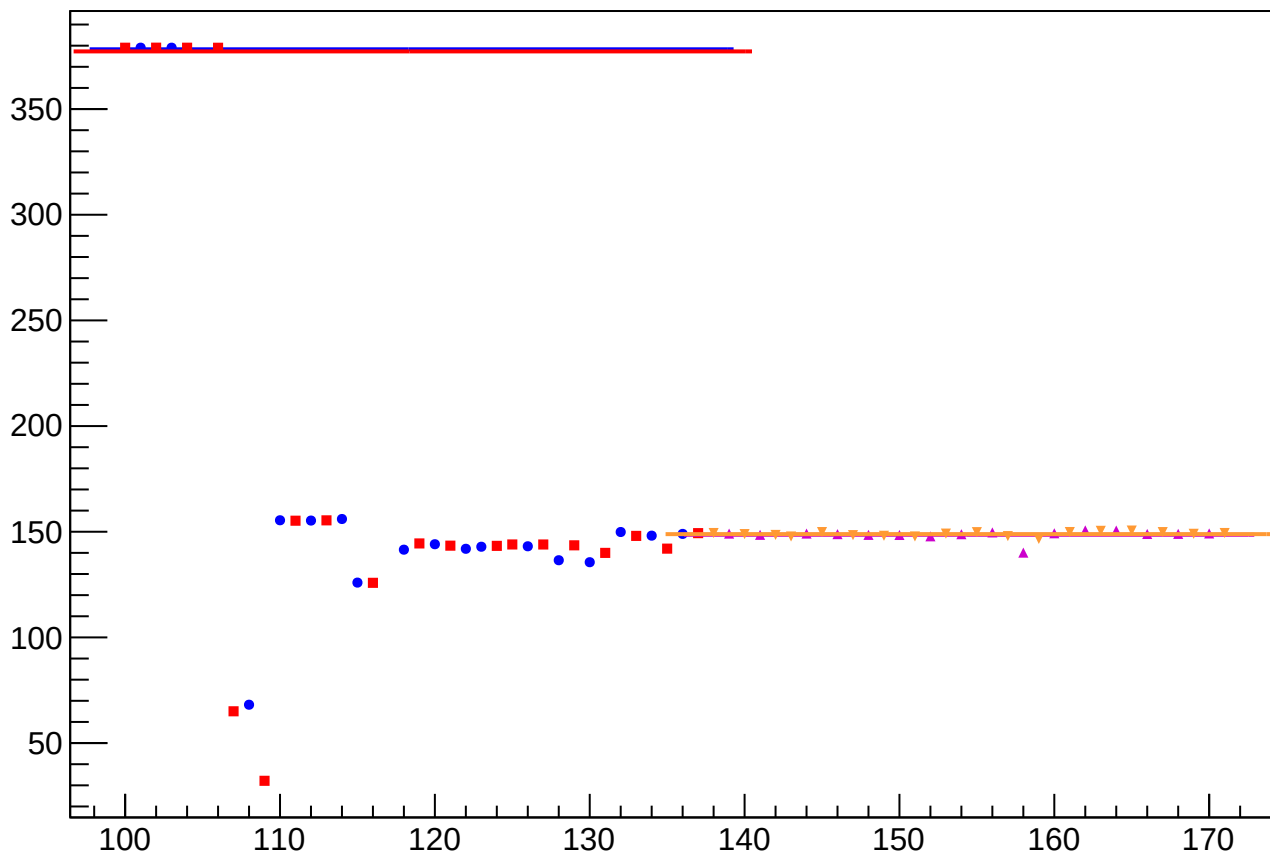
Right: 0.578+/-0.000 χ^2/NDF : 8181648.0/35

In: 0.552+/-0.000 χ^2/NDF : 4359504.8/32

Out: 0.545+/-0.000 χ^2/NDF : 5722108.2/36

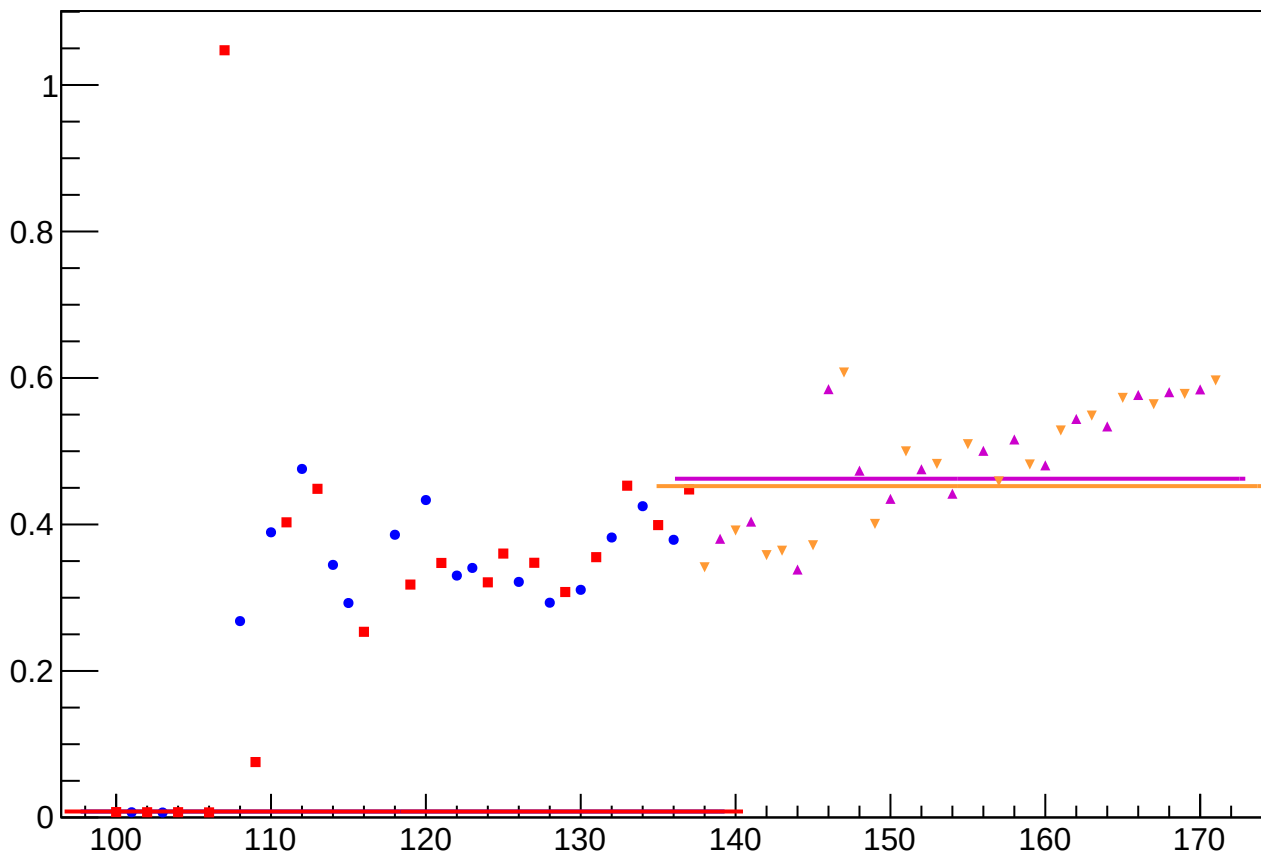
All: 0.548+/-0.000 χ^2/NDF : 10084451.5/69

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283 +/- 0.000 χ^2/NDF : 2508313421453.8/16
 Left Out: 148.865 +/- 0.000 χ^2/NDF : 60638060.3/17
 Right Out: 377.287 +/- 0.000 χ^2/NDF : 8286303106836.4/18
 Left In: 148.566 +/- 0.000 χ^2/NDF : 234725527.8/15
 All: 376.817 +/- 0.000 χ^2/NDF : 169085157976.0/33

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.452+/-0.000 χ^2/NDF : 912441.0/17

Right Out: 0.008+/-0.000 χ^2/NDF : 9522827.2/18

Left In: 0.462+/-0.000 χ^2/NDF : 666167.1/15

Left: 0.457+/-0.000 χ^2/NDF : 1584553.4/33

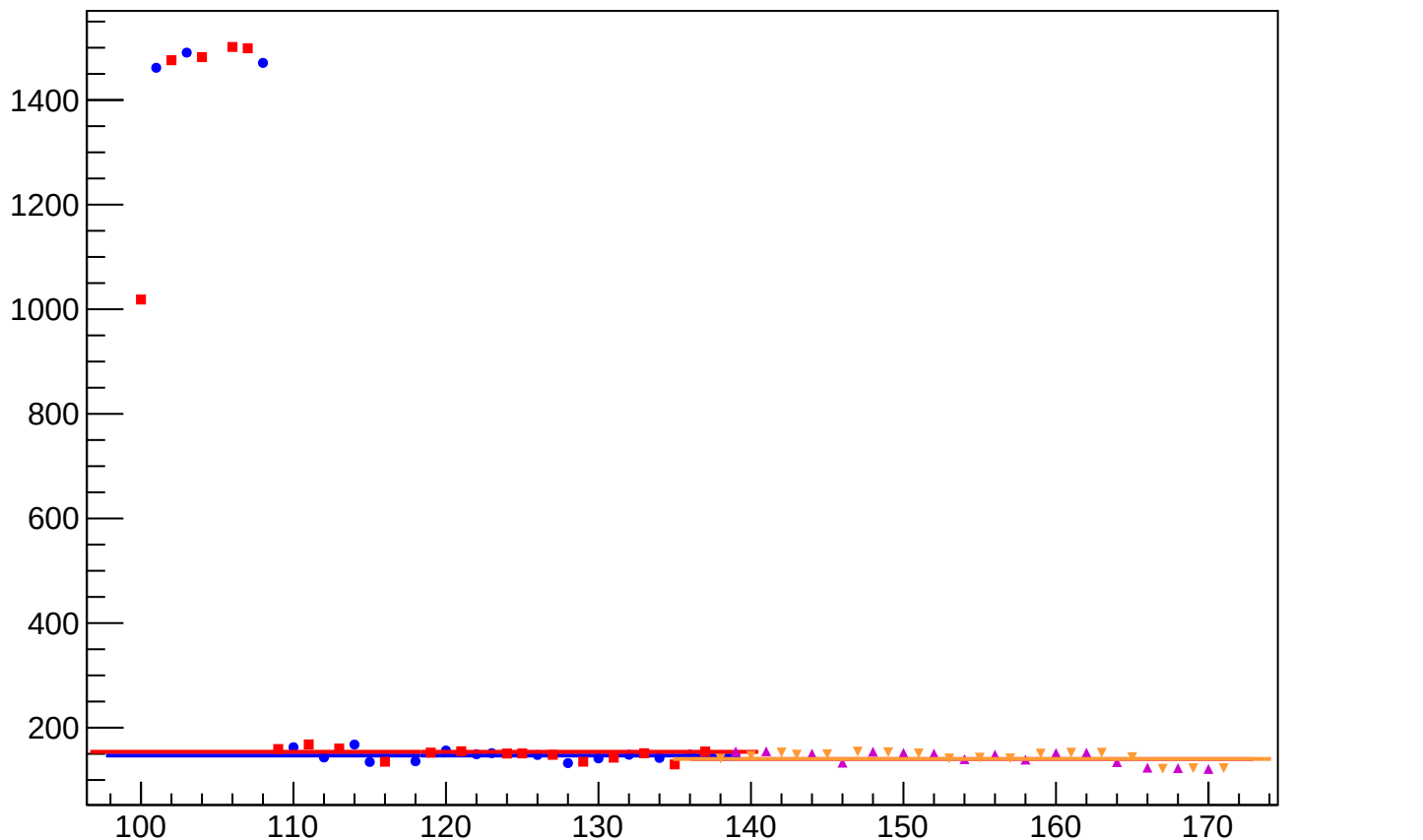
Right: 0.008+/-0.000 χ^2/NDF : 19329555.6/35

In: 0.010+/-0.000 χ^2/NDF : 33181938.8/32

Out: 0.010+/-0.000 χ^2/NDF : 34670121.4/36

All: 0.010+/-0.000 χ^2/NDF : 67852103.3/69

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 140.242+/-0.000 χ^2/NDF : 2367738556.7/17

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

Left In: 139.906+/-0.000 χ^2/NDF : 2405136484.9/15

Left: 140.081+/-0.000 χ^2/NDF : 4773740477.8/33

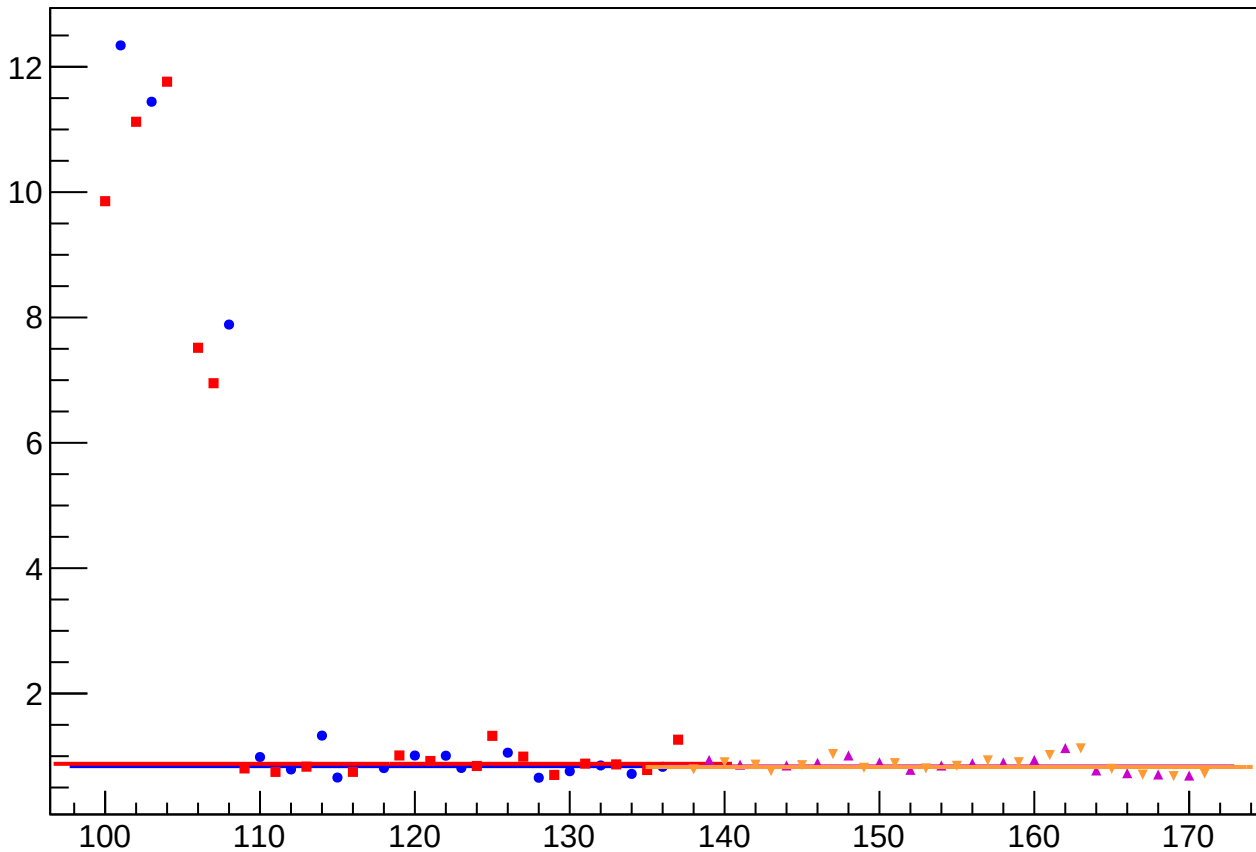
Right: 150.348+/-0.000 χ^2/NDF : 58231390734.2/35

In: 141.746+/-0.000 χ^2/NDF : 26952611279.0/32

Out: 143.629+/-0.000 χ^2/NDF : 36847239059.2/36

All: 142.718+/-0.000 χ^2/NDF : 63836414512.0

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.827+/-0.000 χ^2/NDF : 396897.7/17

Right Out: 0.878+/-0.000 χ^2/NDF : 2814626.6/18

Left In: 0.837+/-0.000 χ^2/NDF : 343000.9/15

Left: 0.832+/-0.000 χ^2/NDF : 741460.6/33

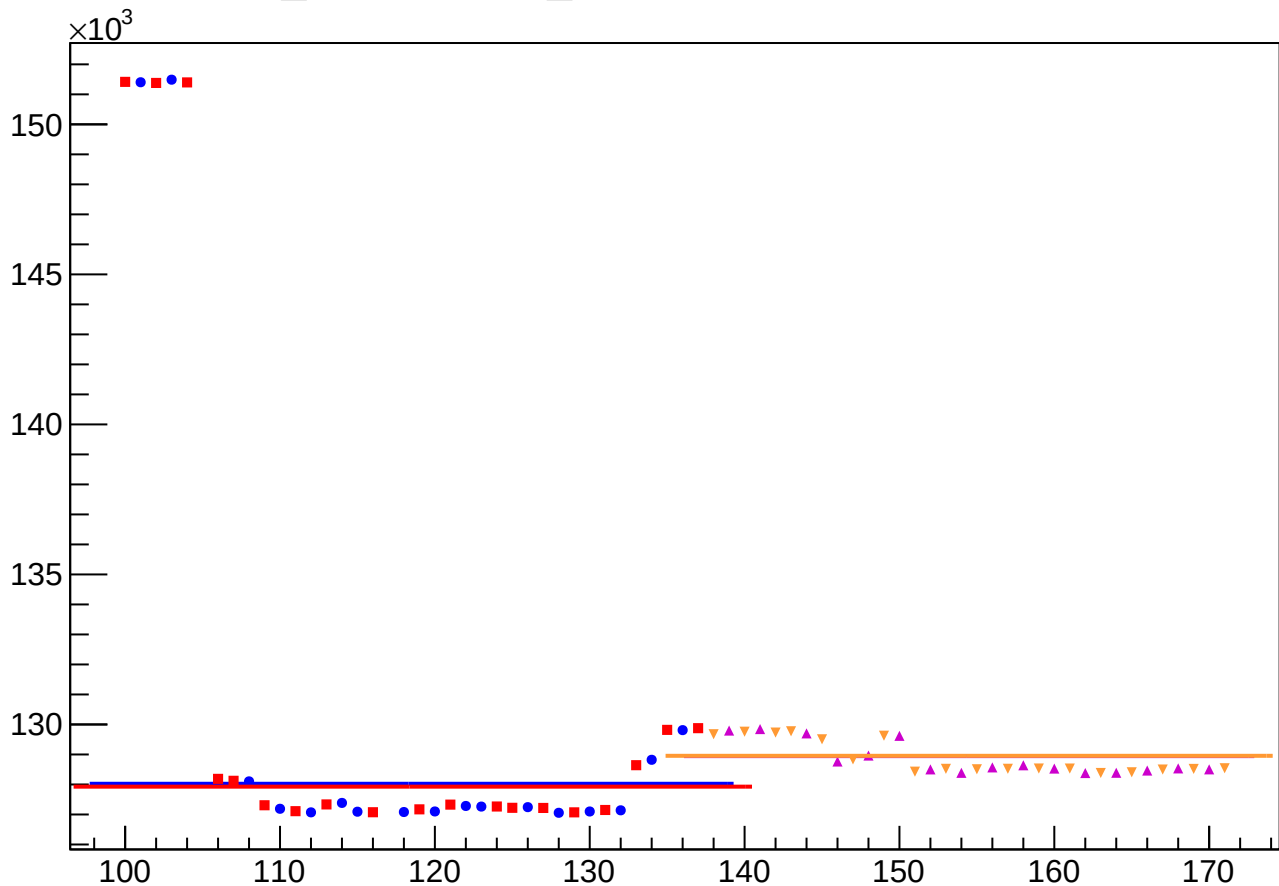
Right: 0.860+/-0.000 χ^2/NDF : 5484331.4/35

In: 0.838+/-0.000 χ^2/NDF : 3005526.9/32

Out: 0.840+/-0.000 χ^2/NDF : 3232460.6/36

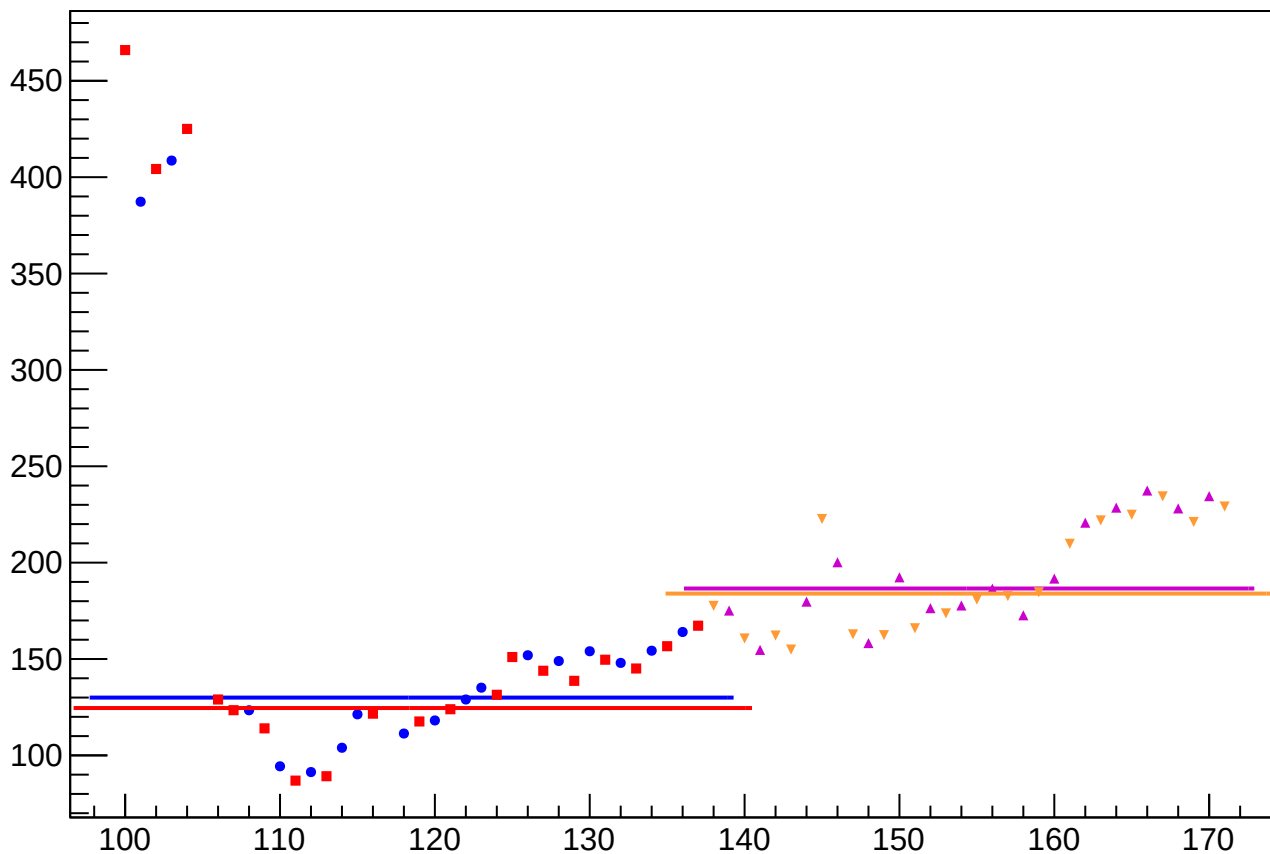
All: 0.839+/-0.000 χ^2/NDF : 6238036.2/69

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055	χ^2/NDF : 4316540586.9/16	Left: 128950.518 $\pm$ 0.037	χ^2/NDF : 234903355.4/3
Left Out: 128955.486 $\pm$ 0.051	χ^2/NDF : 124474599.6/17	Right: 127971.691 $\pm$ 0.037	χ^2/NDF : 8085261759.1/1
Right Out: 127927.471 $\pm$ 0.050	χ^2/NDF : 3767047216.9/18	In: 128493.314 $\pm$ 0.038	χ^2/NDF : 4572490121.5/32
Left In: 128945.014 $\pm$ 0.053	χ^2/NDF : 110408599.5/15	Out: 128437.084 $\pm$ 0.036	χ^2/NDF : 4097984895.1/3
		All: 128463.366 $\pm$ 0.026	χ^2/NDF : 867162997.1/1

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 183.942 $\pm$ 0.036 χ^2 /NDF:506994.4/17

Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

Left In: 186.582 $\pm$ 0.038 χ^2 /NDF:408145.5/15

Left: 185.194 $\pm$ 0.026 χ^2 /NDF: 917703.2/33

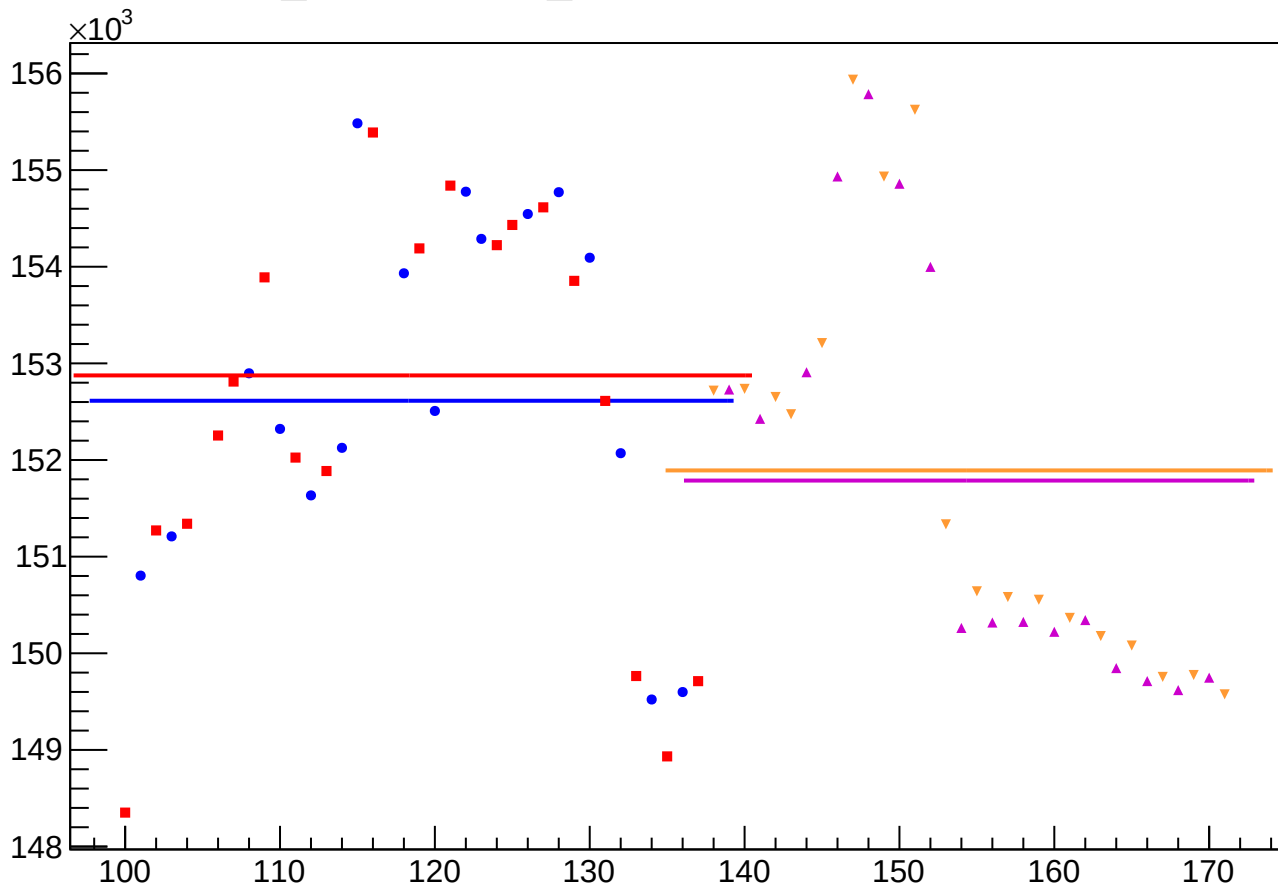
Right: 127.058 $\pm$ 0.026 χ^2 /NDF: 3027426.7/35

In: 158.836 $\pm$ 0.027 χ^2 /NDF:2991940.2/32

Out: 154.000 $\pm$ 0.025 χ^2 /NDF:3415751.1/36

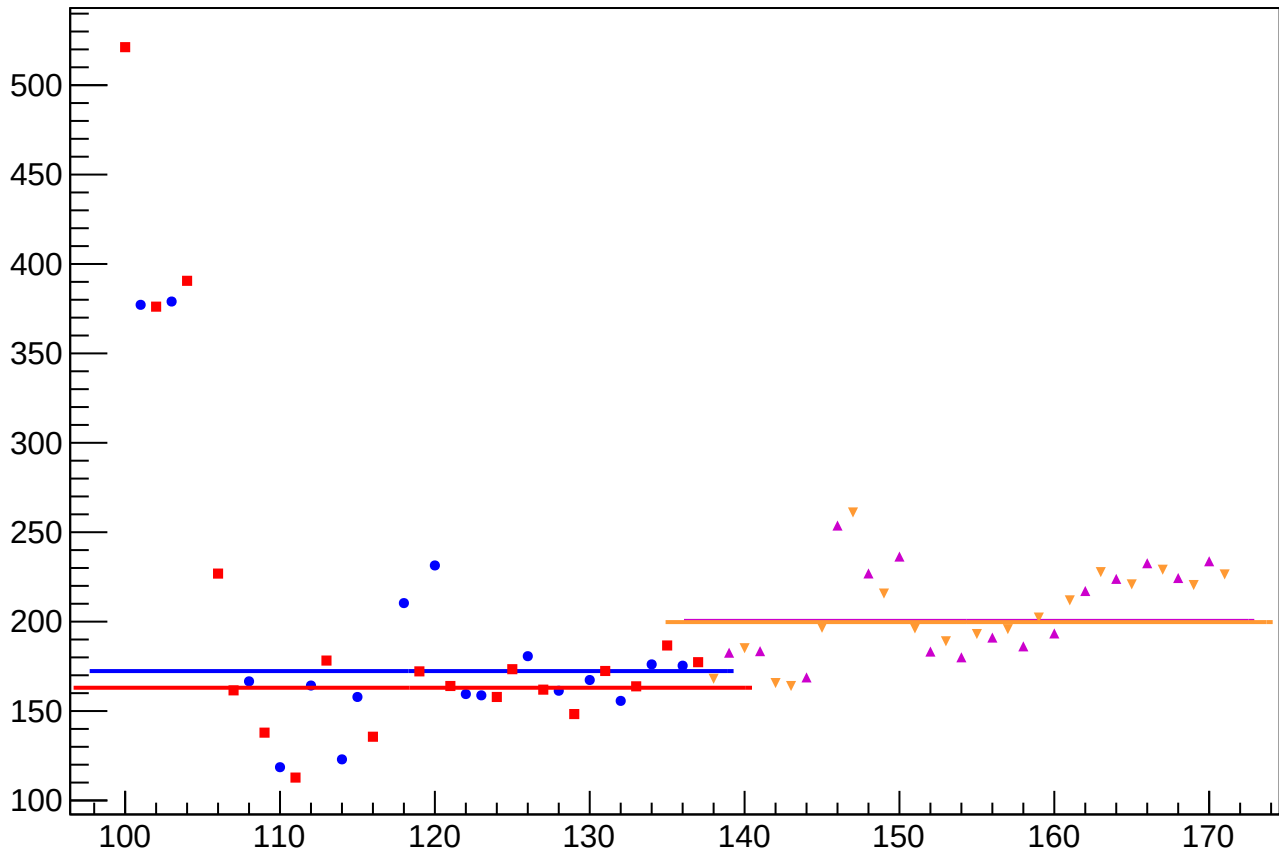
All: 156.261 $\pm$ 0.018 χ^2 /NDF: 6424779.9/69

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122+/-0.072	χ^2/NDF : 623356098.4/16	Left: 151841.971+/-0.040	χ^2/NDF : 2329858060.2/3
Left Out: 151892.227+/-0.055	χ^2/NDF : 1171639731.5/17	Right: 152755.689+/-0.049	χ^2/NDF : 1346872378.3/16
Right Out: 152875.313+/-0.066	χ^2/NDF : 716358700.9/18	In: 152107.531+/-0.045	χ^2/NDF : 1859786513.3/32
Left In: 151787.355+/-0.058	χ^2/NDF : 1156486433.9/15	Out: 152295.144+/-0.042	χ^2/NDF : 2018157710.1/3
		All: 152206.958+/-0.031	χ^2/NDF : 388715648

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 199.743+/-0.039 χ^2/NDF : 360984.8/17

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

Left In: 200.417+/-0.041 χ^2/NDF : 361878.4/15

Left: 200.066+/-0.028 χ^2/NDF : 723006.1/33

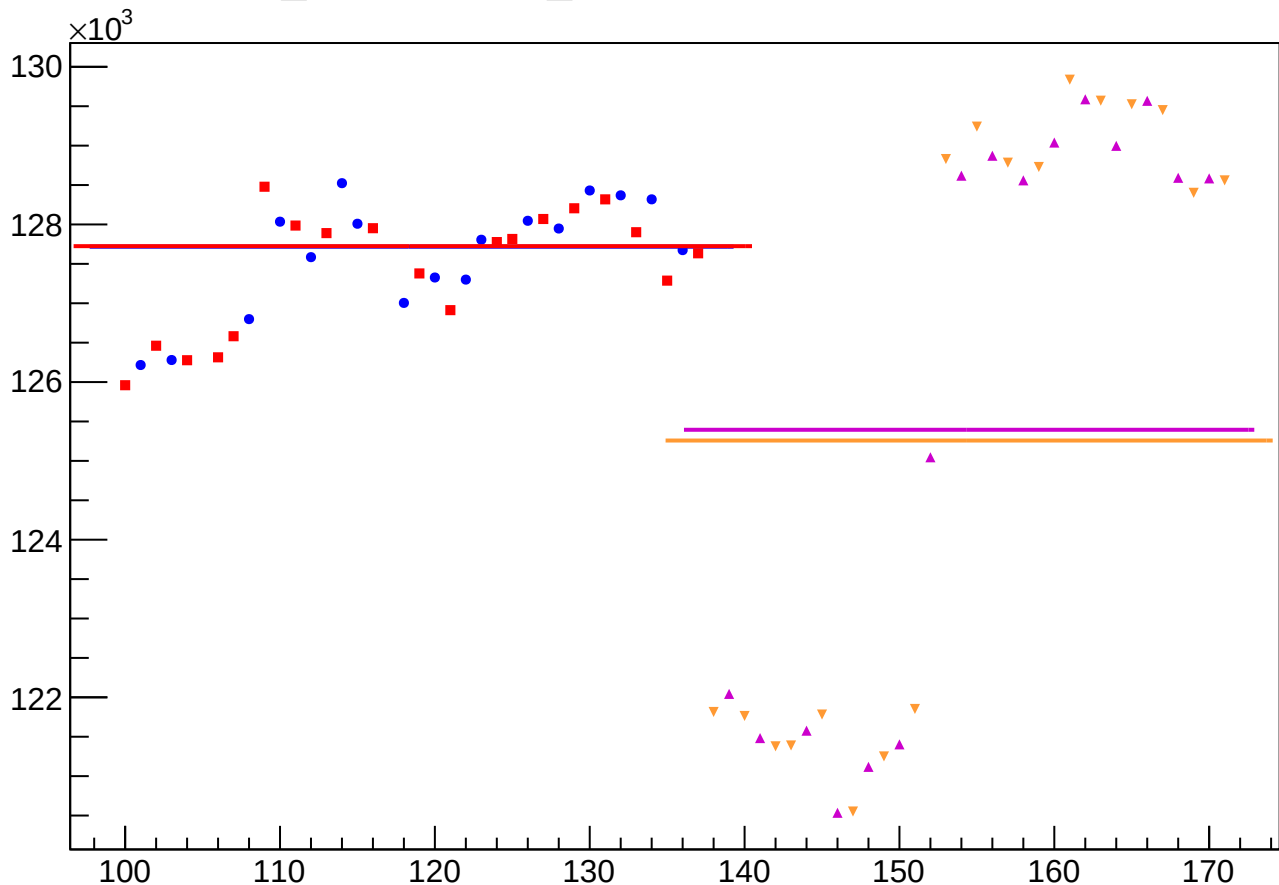
Right: 167.282+/-0.035 χ^2/NDF : 1972741.3/35

In: 189.535+/-0.032 χ^2/NDF : 1468483.2/32

Out: 184.696+/-0.030 χ^2/NDF : 1756781.6/36

All: 186.971+/-0.022 χ^2/NDF : 3237520.0/69

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058

χ^2 /NDF: 95177660.2/16

Left Out: 125258.380 $\pm$ 0.049

χ^2 /NDF: 5924189620.0/17

Right Out: 127724.519 $\pm$ 0.055

χ^2 /NDF: 112550604.4/18

Left In: 125394.684 $\pm$ 0.050

χ^2 /NDF: 5150936624.0/15

Left: 125325.734 $\pm$ 0.035

χ^2 /NDF: 11078941776.6

Right: 127721.424 $\pm$ 0.040

χ^2 /NDF: 207735167.4/3

In: 126371.152 $\pm$ 0.038

χ^2 /NDF: 6167121283.4/32

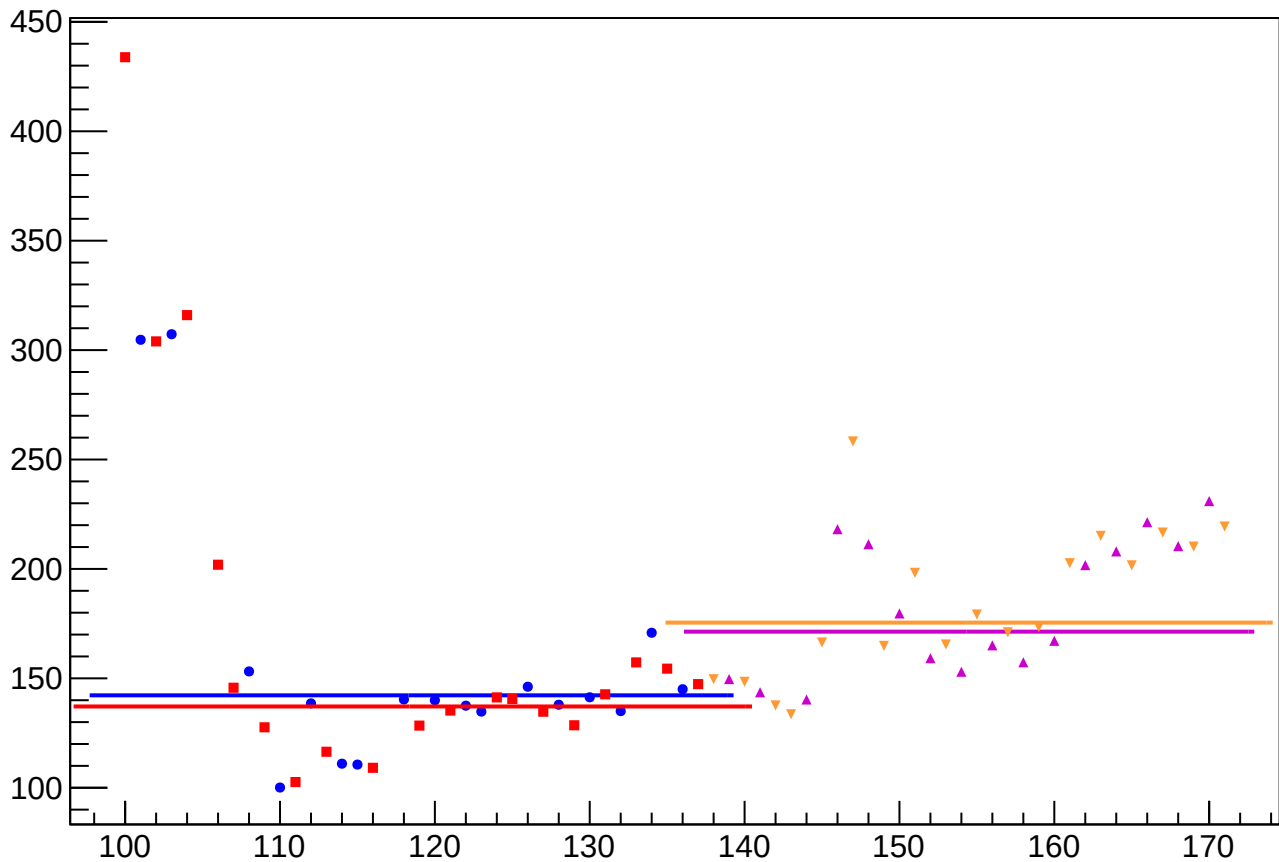
Out: 126361.569 $\pm$ 0.036

χ^2 /NDF: 7167460923.5/3

All: 126366.190 $\pm$ 0.026

χ^2 /NDF: 13334615

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 175.466 $\pm$ 0.035 χ^2 /NDF: 741134.8/17

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

Left In: 171.336 $\pm$ 0.035 χ^2 /NDF: 641655.9/15

Left: 173.426 $\pm$ 0.025 χ^2 /NDF: 1389796.6/33

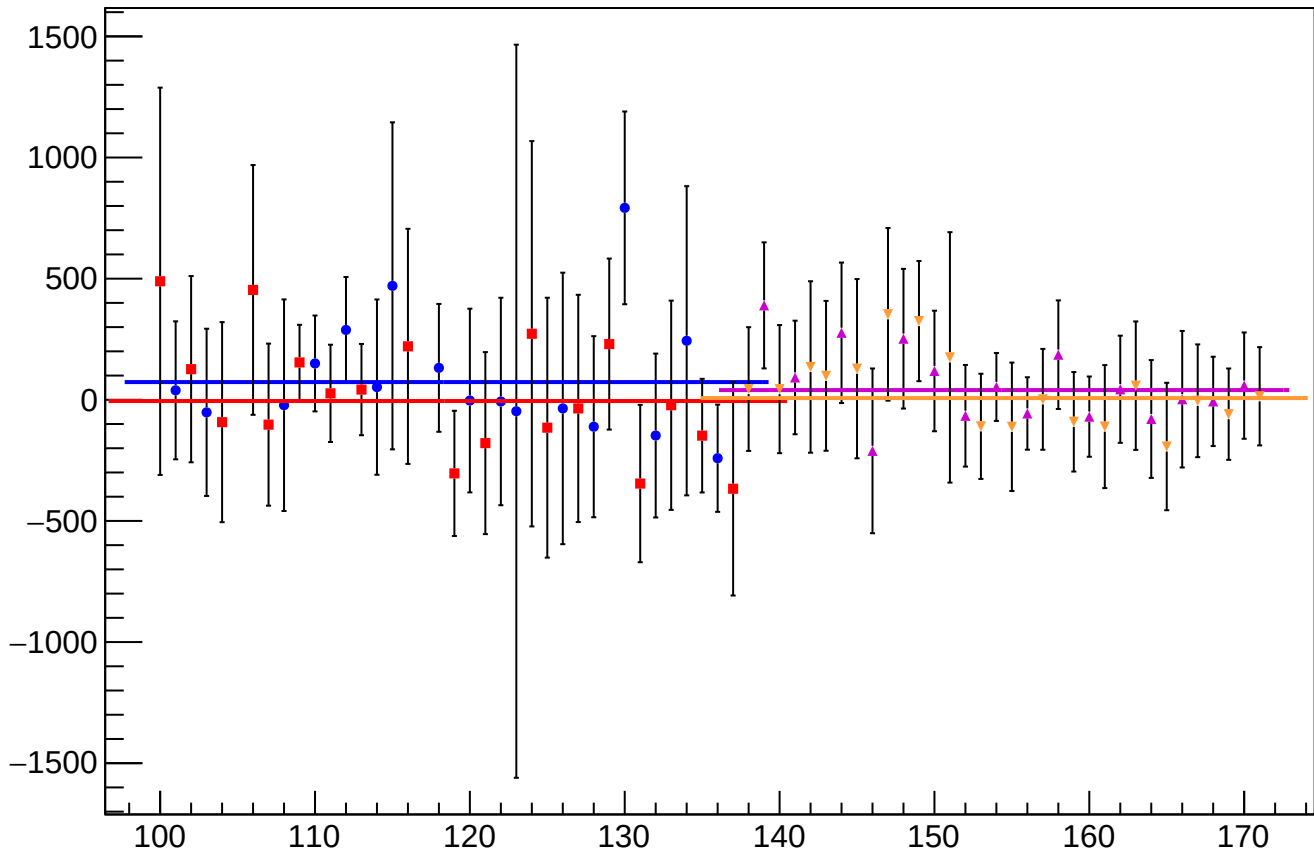
Right: 139.526 $\pm$ 0.028 χ^2 /NDF: 1802277.5/35

In: 159.107 $\pm$ 0.027 χ^2 /NDF: 1766999.0/32

Out: 158.327 $\pm$ 0.026 χ^2 /NDF: 2244738.4/36

All: 158.703 $\pm$ 0.019 χ^2 /NDF: 4012179.0/69

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 7.100+/-59.694 χ^2/NDF : 4.7/17

Right Out: -5.021+/-70.098 χ^2/NDF : 7.1/18

Left In: 40.103+/-52.962 χ^2/NDF : 5.6/15

Left: 25.567+/-39.617 χ^2/NDF : 10.5/33

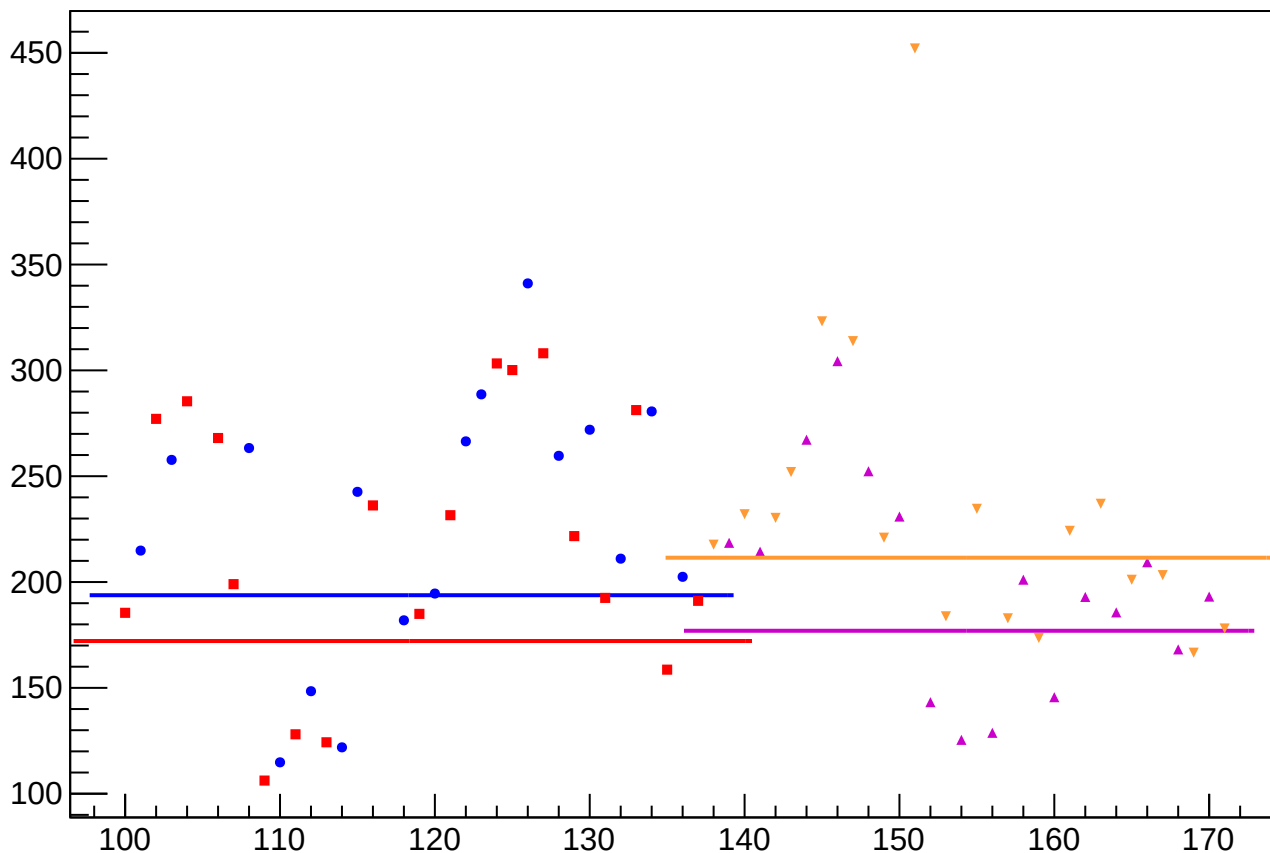
Right: 29.103+/-52.608 χ^2/NDF : 15.5/35

In: 50.230+/-44.094 χ^2/NDF : 13.6/32

Out: 2.005+/-45.448 χ^2/NDF : 11.8/36

All: 26.847+/-31.647 χ^2/NDF : 26.0/69

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 ± 0.056 χ^2/NDF : 1017081.7/16

Left Out: 211.493 ± 0.042 χ^2/NDF : 1187136.1/17

Right Out: 172.142 ± 0.050 χ^2/NDF : 1580035.1/18

Left In: 176.979 ± 0.037 χ^2/NDF : 1486593.9/15

Left: 192.181 ± 0.028 χ^2/NDF : 3047848.1/33

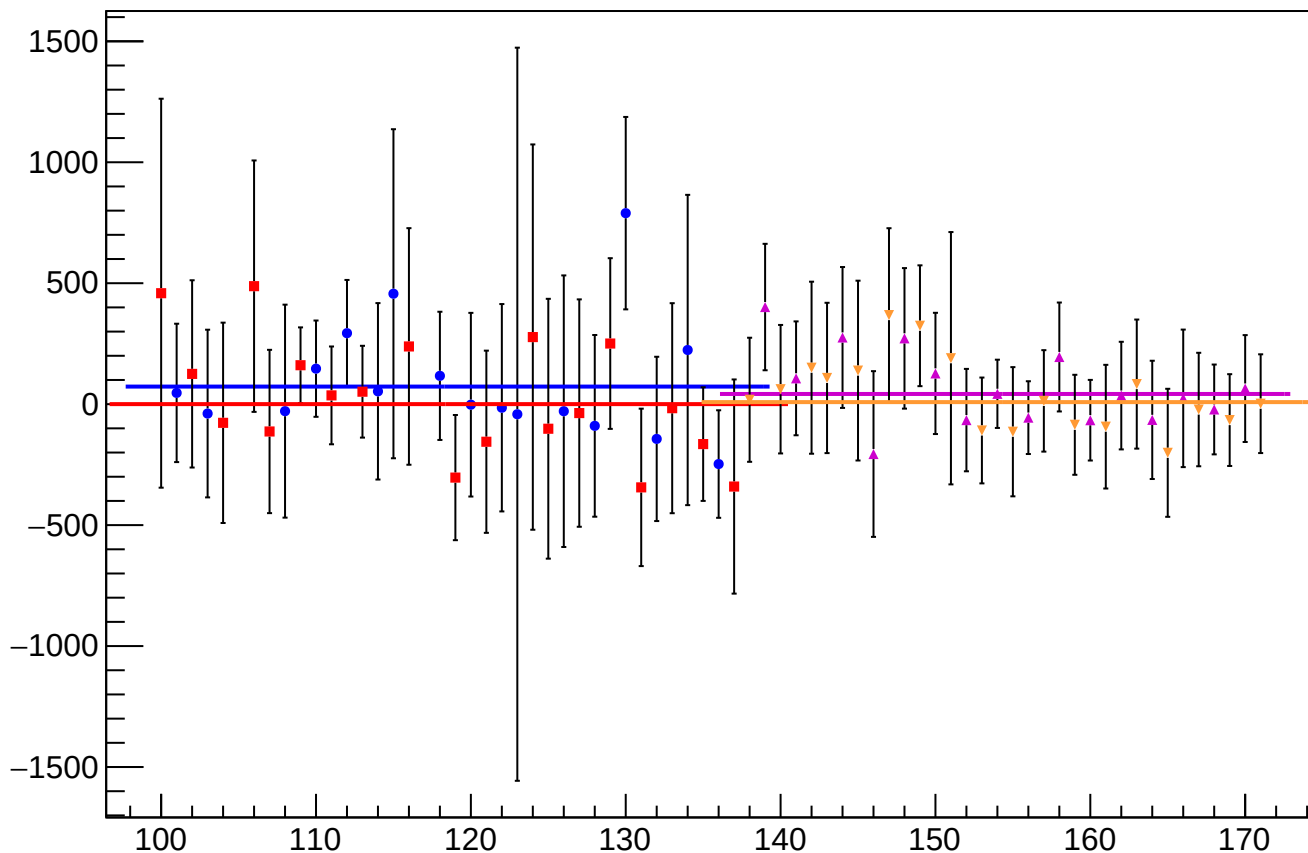
Right: 181.589 ± 0.037 χ^2/NDF : 2680292.0/35

In: 182.132 ± 0.031 χ^2/NDF : 2565375.4/32

Out: 194.952 ± 0.032 χ^2/NDF : 3132517.3/36

All: 188.348 ± 0.022 χ^2/NDF : 5779872.7/69

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 8.481+/-60.085 χ^2/NDF : 4.9/17

Right Out: 0.181+/-70.467 χ^2/NDF : 7.3/18

Left In: 42.133+/-53.293 χ^2/NDF : 5.8/15

Left: 27.315+/-39.870 χ^2/NDF : 10.8/33

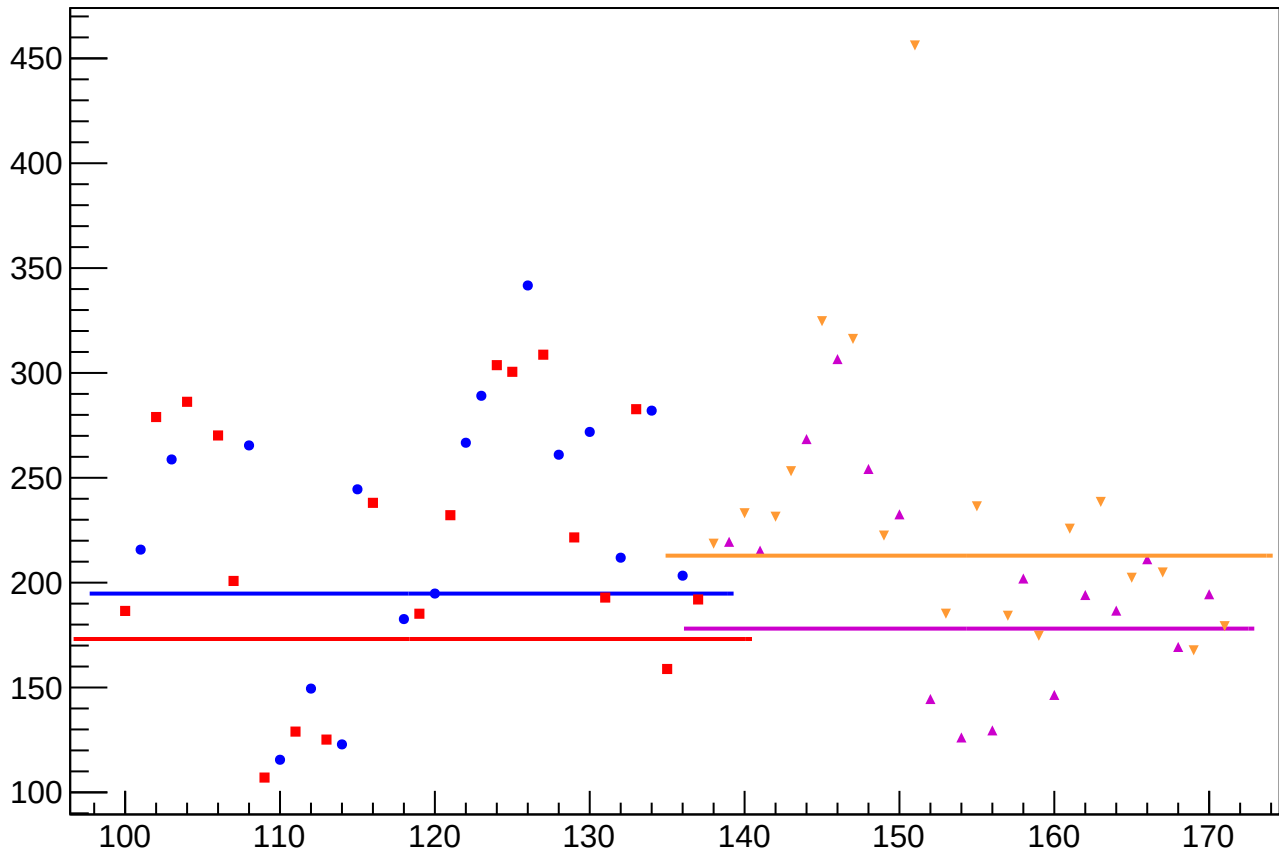
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 51.522+/-44.351 χ^2/NDF : 13.6/32

Out: 4.987+/-45.721 χ^2/NDF : 12.2/36

All: 28.962+/-31.834 χ^2/NDF : 26.3/69

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2/NDF : 1008292.8/16

Left Out: 212.876 $\pm$ 0.042 χ^2/NDF : 1186069.6/17

Right Out: 173.131 $\pm$ 0.050 χ^2/NDF : 1567556.0/18

Left In: 178.084 $\pm$ 0.038 χ^2/NDF : 1485285.3/15

Left: 193.403 $\pm$ 0.028 χ^2/NDF : 3046669.9/33

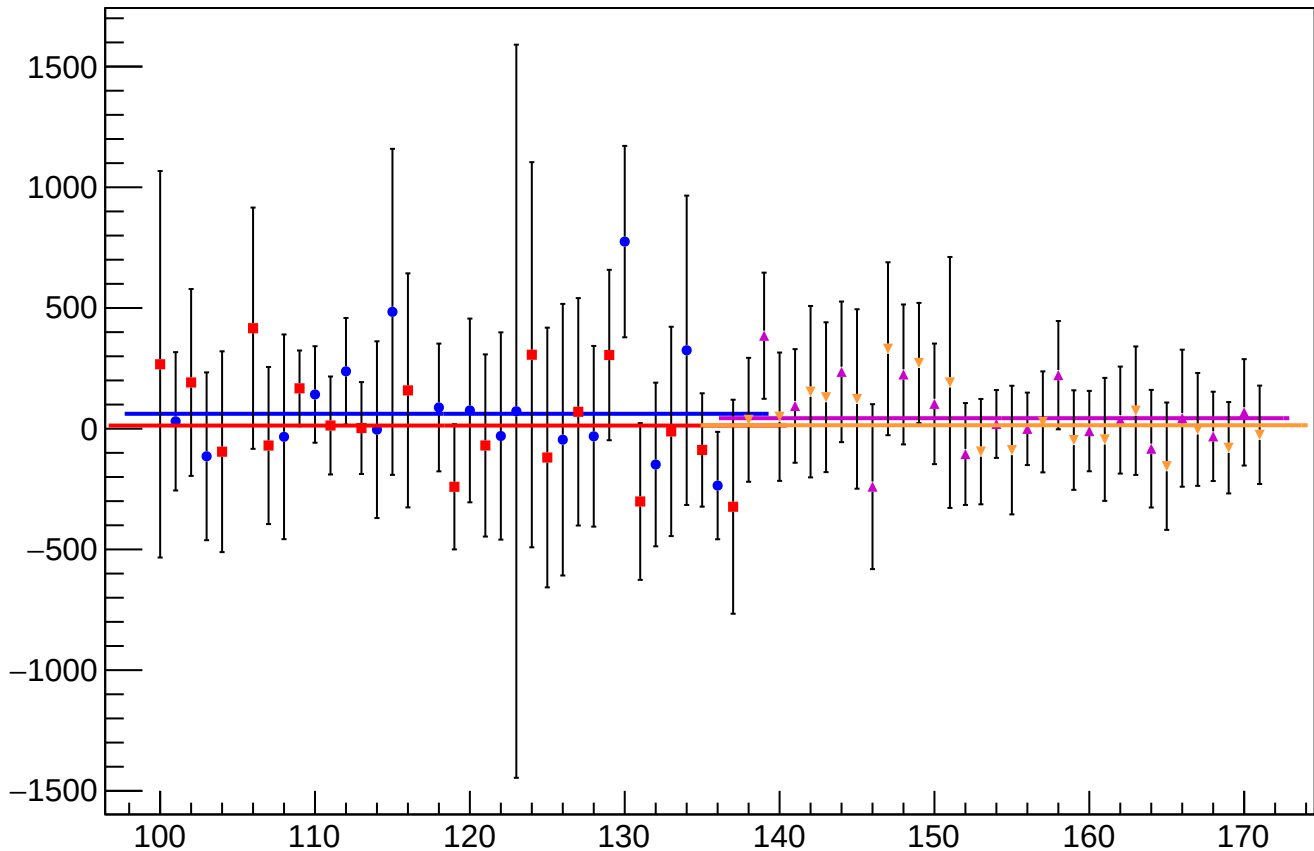
Right: 182.592 $\pm$ 0.037 χ^2/NDF : 2658346.9/35

In: 183.217 $\pm$ 0.031 χ^2/NDF : 2553937.4/32

Out: 196.144 $\pm$ 0.032 χ^2/NDF : 3122019.5/36

All: 189.484 $\pm$ 0.023 χ^2/NDF : 5758326.4/69

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 14.400 $\pm$ 59.949 χ^2 /NDF: 3.7/17

Right Out: 13.101 $\pm$ 70.391 χ^2 /NDF: 5.8/18

Left In: 43.559 $\pm$ 53.156 χ^2 /NDF: 5.1/15

Left: 30.724 $\pm$ 39.773 χ^2 /NDF: 8.9/33

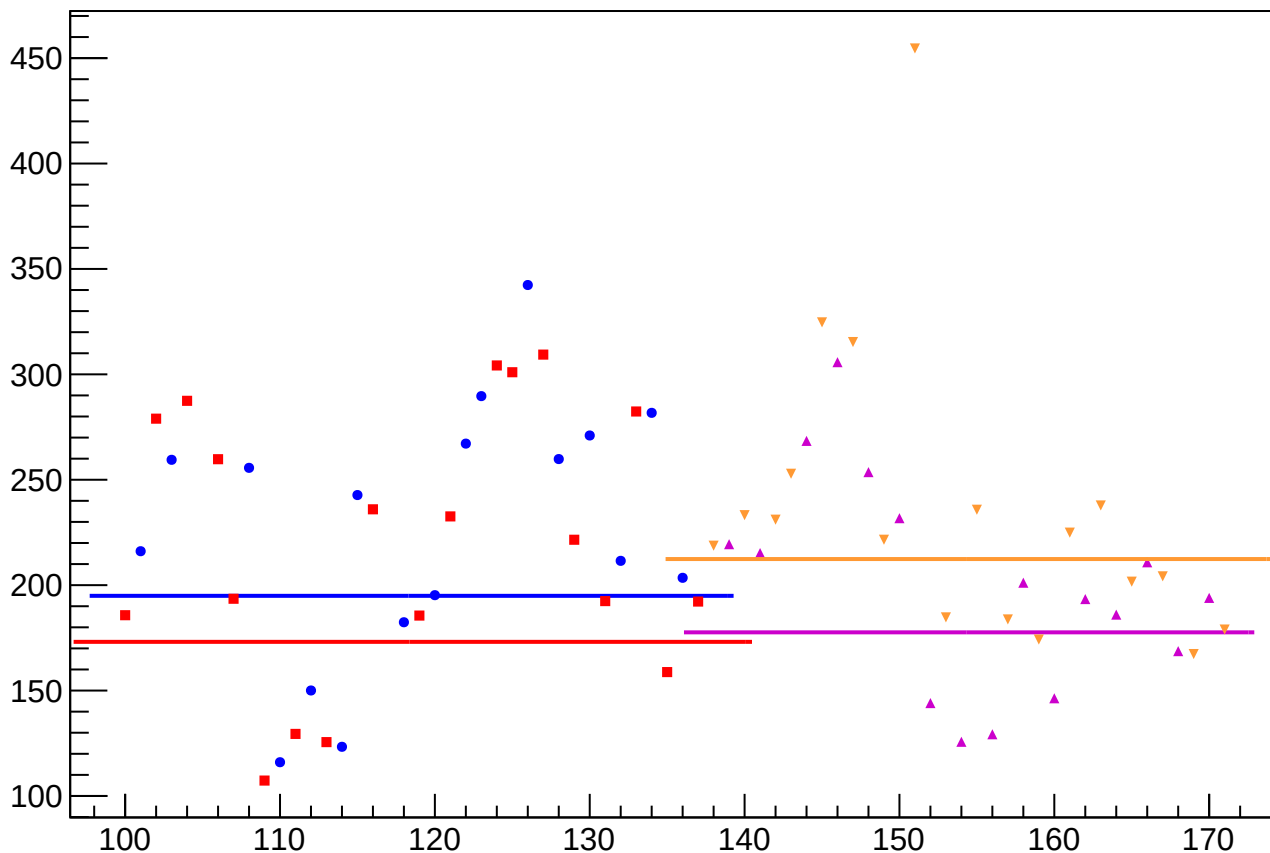
Right: 34.362 $\pm$ 52.842 χ^2 /NDF: 13.2/35

In: 49.151 $\pm$ 44.272 χ^2 /NDF: 12.4/32

Out: 13.854 $\pm$ 45.640 χ^2 /NDF: 9.4/36

All: 32.040 $\pm$ 31.777 χ^2 /NDF: 22.2/69

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2/NDF : 986629.1/16

Left Out: 212.388 $\pm$ 0.042 χ^2/NDF :1187641.9/17

Right Out: 173.109 $\pm$ 0.050 χ^2/NDF : 1544723.9/18

Left In: 177.615 $\pm$ 0.038 χ^2/NDF :1489103.6/15

Left: 192.921 $\pm$ 0.028 χ^2/NDF : 3053476.9/33

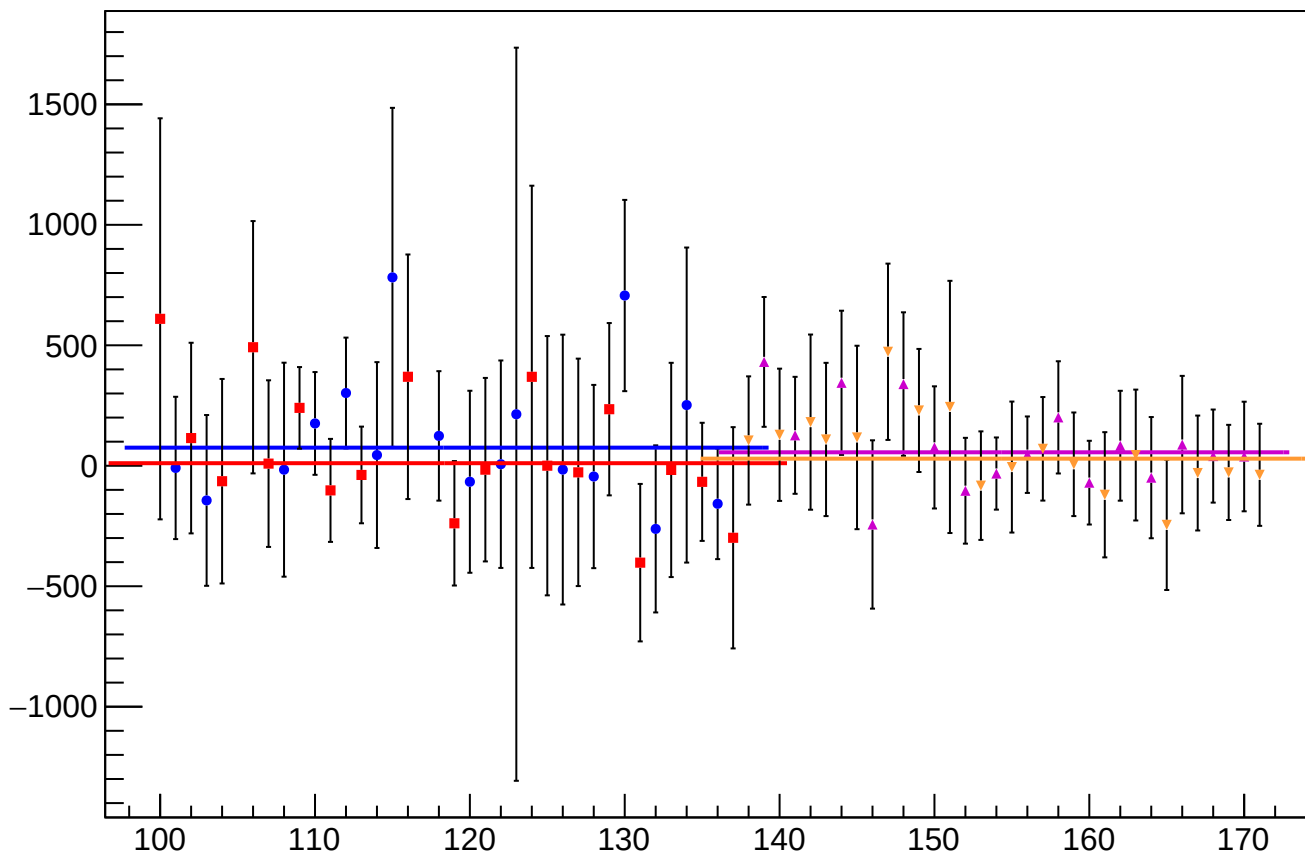
Right: 182.637 $\pm$ 0.037 χ^2/NDF : 2615306.2/35

In: 182.922 $\pm$ 0.031 χ^2/NDF :2540812.5/32

Out: 195.875 $\pm$ 0.032 χ^2/NDF :3093324.9/36

All: 189.202 $\pm$ 0.022 χ^2/NDF : 5717140.9/69

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 29.510 $\pm$ 61.744 χ^2 /NDF:4.7/17

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: 55.910 $\pm$ 55.297 χ^2 /NDF:6.6/15

Left: 44.160 $\pm$ 41.192 χ^2 /NDF: 11.4/33

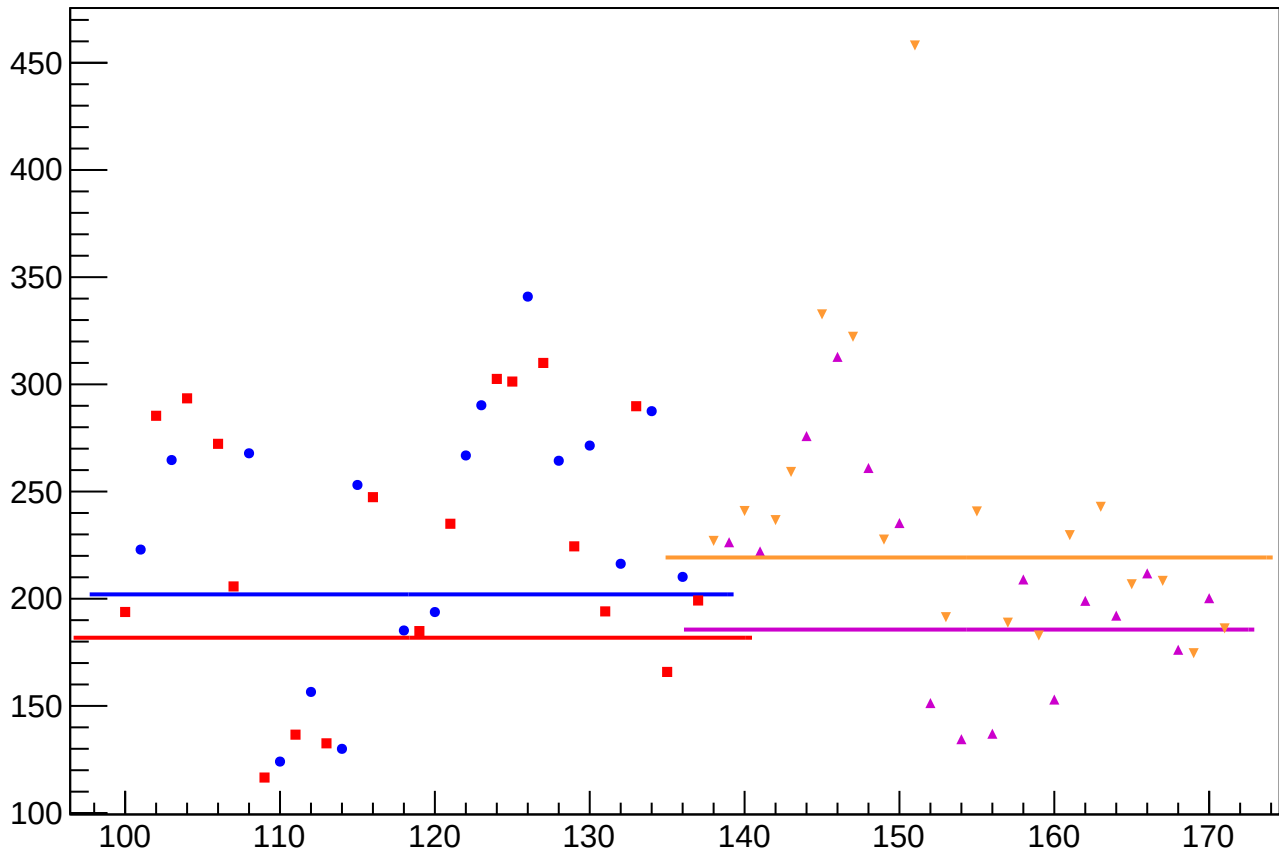
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 61.891 $\pm$ 45.934 χ^2 /NDF:14.3/32

Out: 21.696 $\pm$ 47.233 χ^2 /NDF:12.6/36

All: 42.354 $\pm$ 32.930 χ^2 /NDF: 27.2/69

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 ± 0.058 χ^2/NDF : 881608.7/16

Left Out: 219.241 ± 0.044 χ^2/NDF : 1123047.4/17

Right Out: 181.811 ± 0.052 χ^2/NDF : 1377537.2/18

Left In: 185.611 ± 0.039 χ^2/NDF : 1341477.3/15

Left: 200.579 ± 0.029 χ^2/NDF : 2793780.5/33

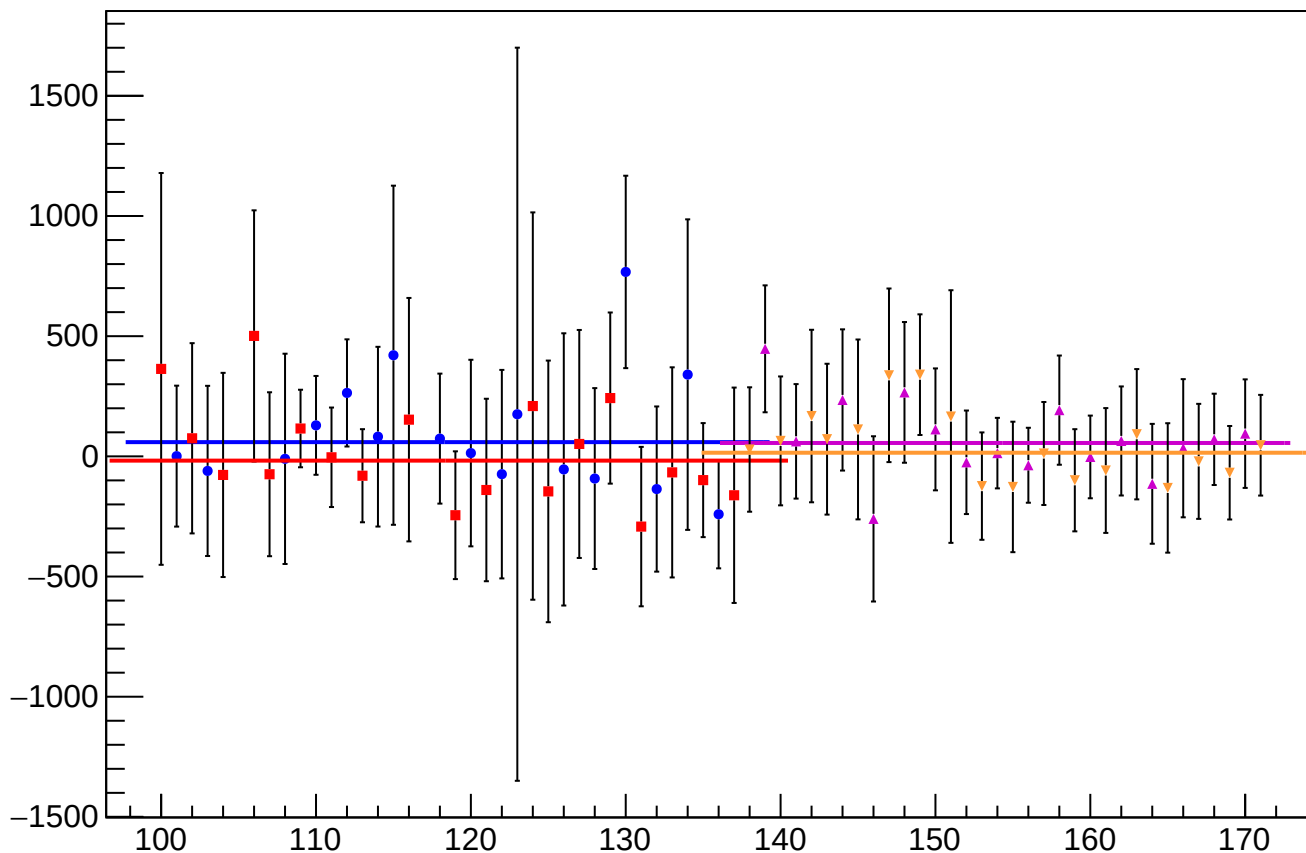
Right: 190.735 ± 0.039 χ^2/NDF : 2326235.8/35

In: 190.700 ± 0.032 χ^2/NDF : 2277737.0/32

Out: 203.715 ± 0.033 χ^2/NDF : 2805456.8/36

All: 197.026 ± 0.023 χ^2/NDF : 5161240.9/69

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 15.094 $\pm$ 61.138 χ^2 /NDF:4.5/17

Right Out: -17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

Left In: 55.683 $\pm$ 54.515 χ^2 /NDF:5.5/15

Left: 37.705 $\pm$ 40.689 χ^2 /NDF: 10.3/33

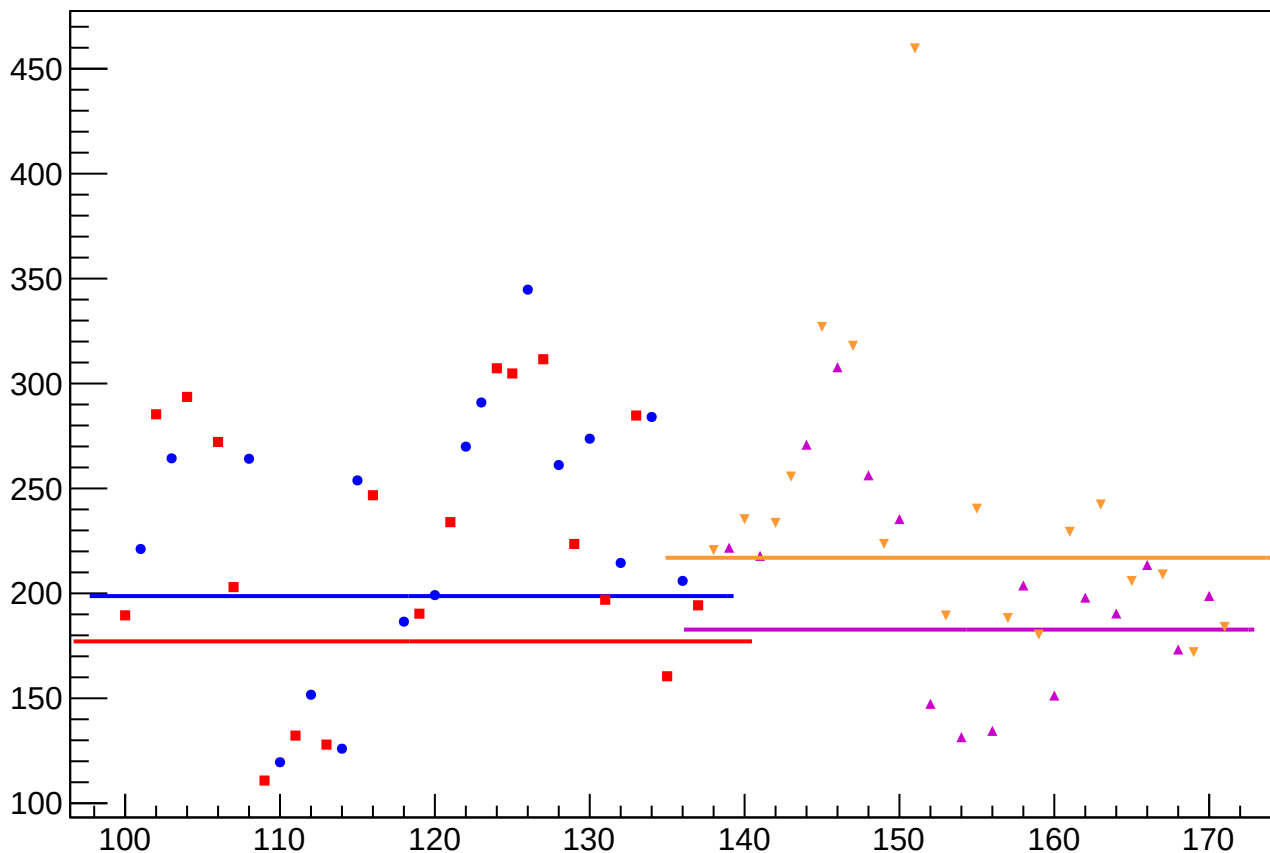
Right: 15.968 $\pm$ 53.893 χ^2 /NDF: 12.3/35

In: 56.764 $\pm$ 45.298 χ^2 /NDF:12.7/32

Out: 1.321 $\pm$ 46.576 χ^2 /NDF:9.3/36

All: 29.813 $\pm$ 32.473 χ^2 /NDF: 22.7/69

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704+/-0.058 χ^2/NDF : 963394.4/16

Left Out: 216.965+/-0.043 χ^2/NDF : 1126480.6/17

Right Out: 177.125+/-0.051 χ^2/NDF : 1524889.9/18

Left In: 182.738+/-0.039 χ^2/NDF : 1366409.8/15

Left: 197.898+/-0.029 χ^2/NDF : 2842087.0/33

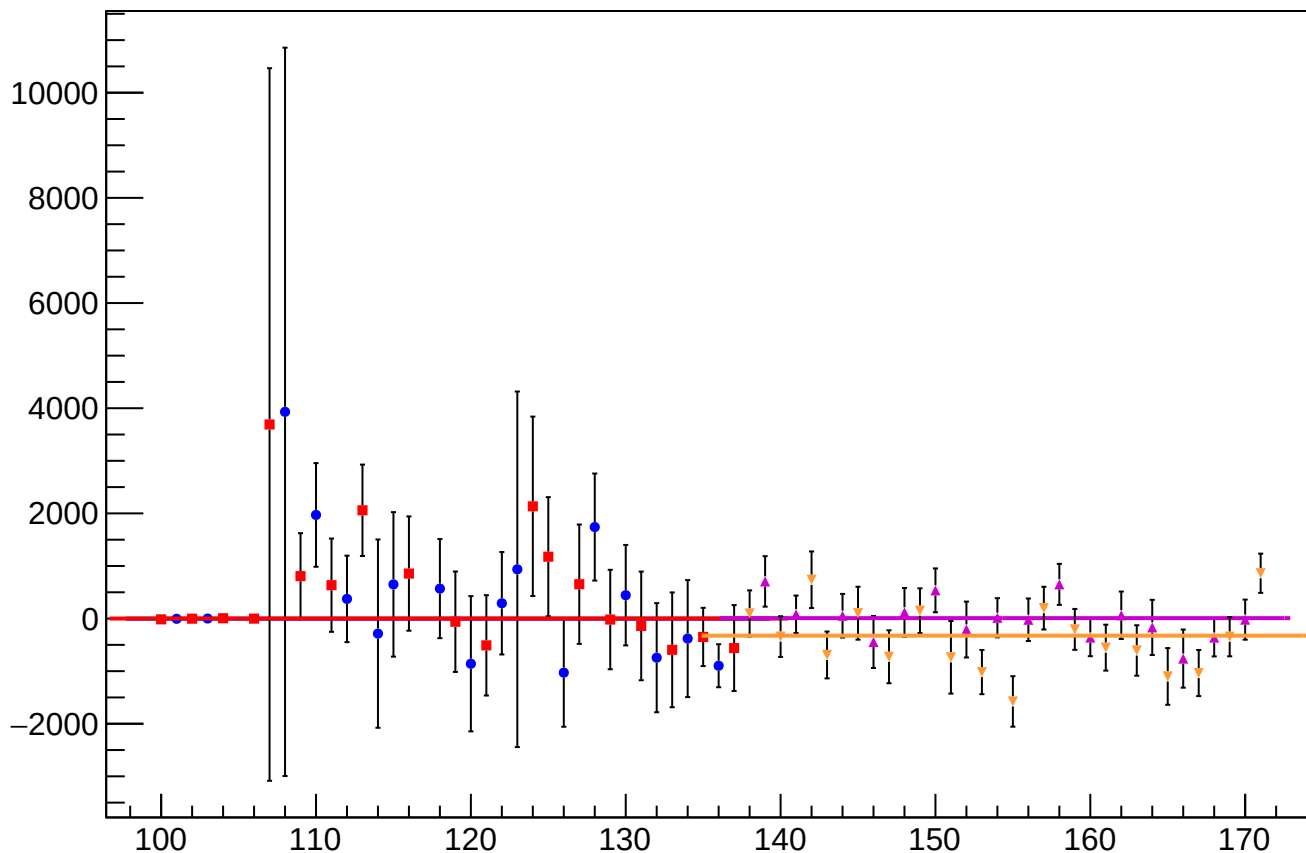
Right: 186.580+/-0.038 χ^2/NDF : 2567217.8/35

In: 187.680+/-0.032 χ^2/NDF : 2382903.6/32

Out: 200.247+/-0.033 χ^2/NDF : 3007763.4/36

All: 193.789+/-0.023 χ^2/NDF : 5465490.5/69

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -325.187 ± 104.729 χ^2/NDF : 35.2/17

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

Left In: 8.104 ± 105.189 χ^2/NDF : 11.8/15

Left: -159.272 ± 74.217 χ^2/NDF : 52.0/33

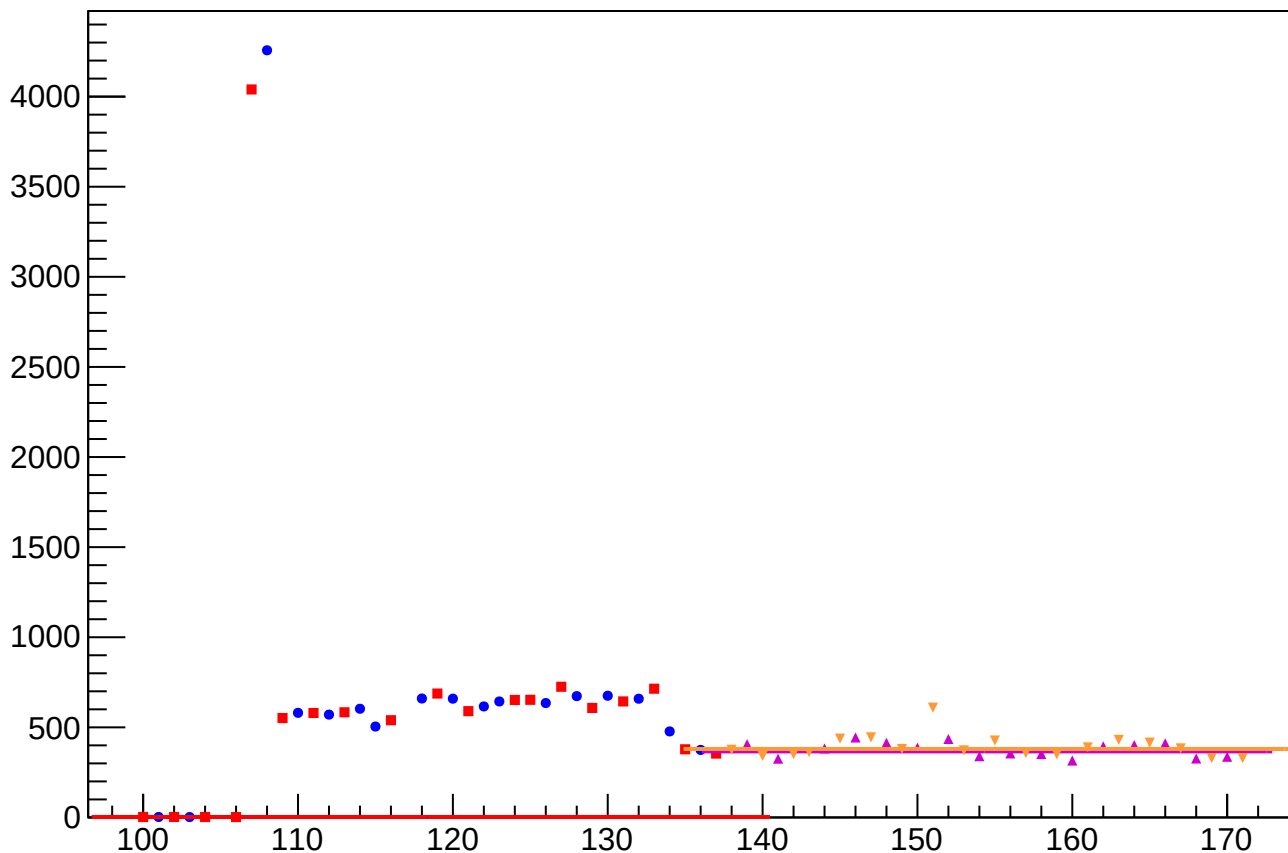
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.525 ± 2.251 χ^2/NDF : 28.4/32

Out: 0.599 ± 2.111 χ^2/NDF : 63.2/36

All: -0.395 ± 1.540 χ^2/NDF : 92.1/69

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 380.006+/-0.074 χ^2/NDF : 451726.5/17

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

Left In: 366.527+/-0.074 χ^2/NDF : 272690.4/15

Left: 373.296+/-0.052 χ^2/NDF : 740910.2/33

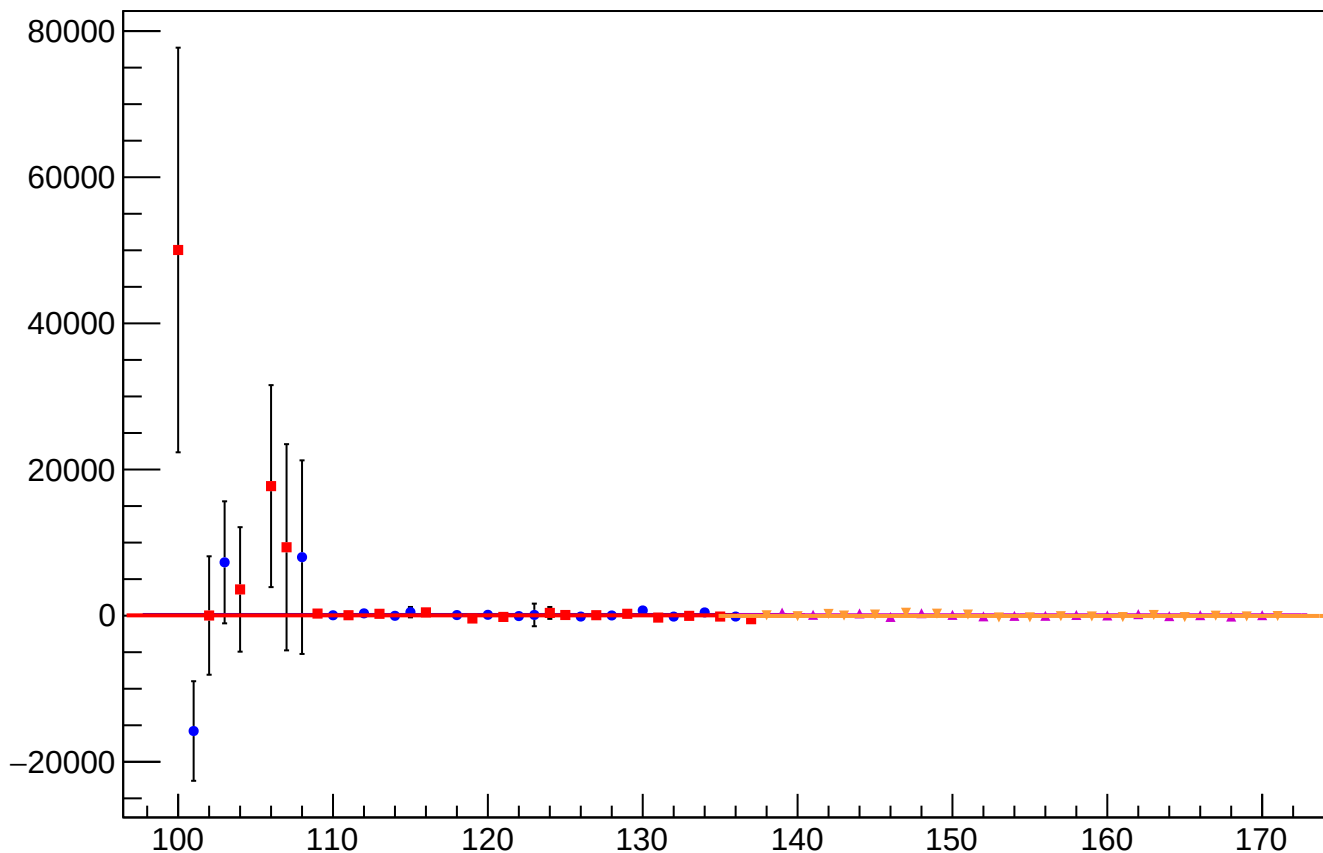
Right: 2.446+/-0.001 χ^2/NDF : 21846612.0/35

In: 2.623+/-0.002 χ^2/NDF : 34926492.0/32

Out: 2.590+/-0.001 χ^2/NDF : 37576339.7/36

All: 2.605+/-0.001 χ^2/NDF : 72503057.8/69

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353 $\pm$ 91.708 χ^2 /NDF: 12.0/16

Left Out: -37.617 $\pm$ 63.606 χ^2 /NDF: 5.9/17

Right Out: 42.617 $\pm$ 84.547 χ^2 /NDF: 14.0/18

Left In: 58.443 $\pm$ 57.845 χ^2 /NDF: 6.2/15

Left: 14.960 $\pm$ 42.795 χ^2 /NDF: 13.4/33

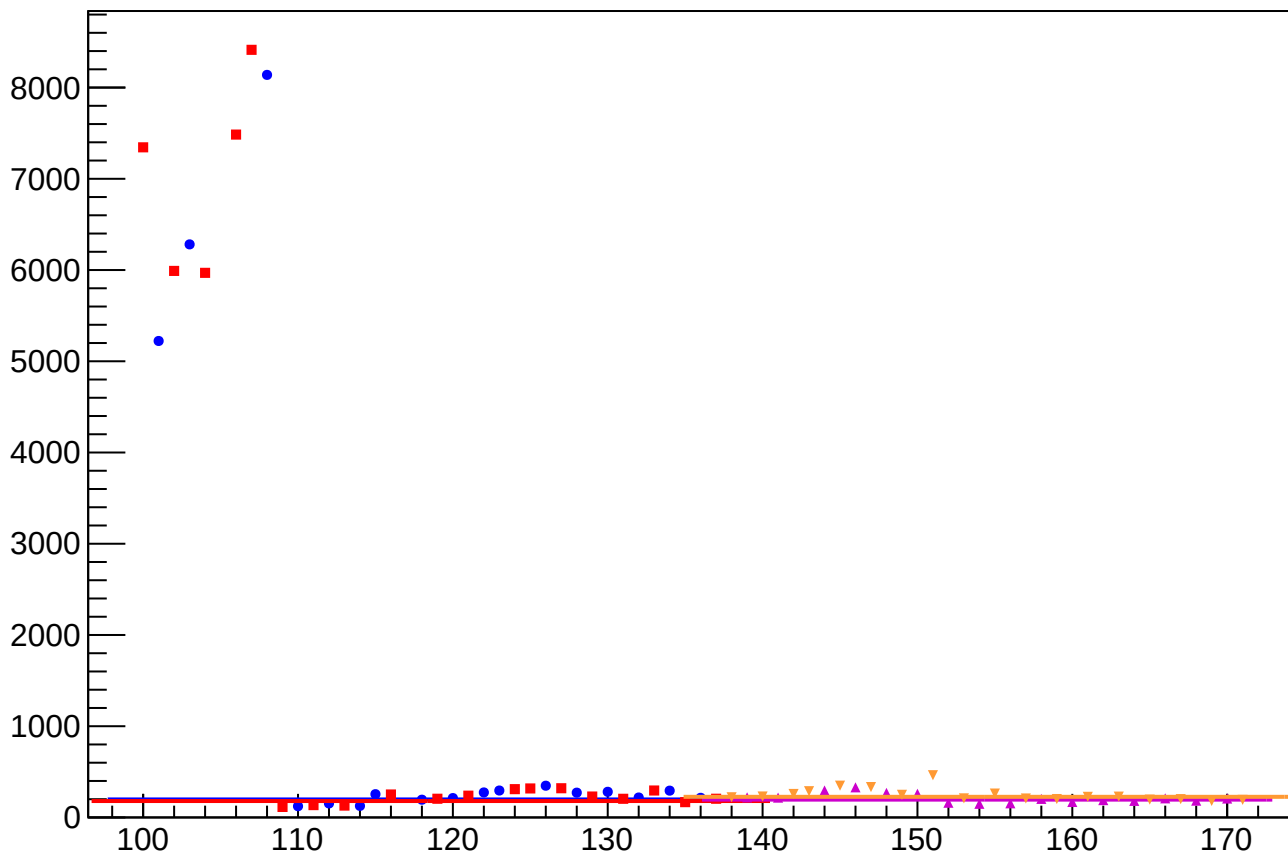
Right: 66.846 $\pm$ 62.161 χ^2 /NDF: 26.2/35

In: 68.948 $\pm$ 48.925 χ^2 /NDF: 18.3/32

Out: -8.618 $\pm$ 50.828 χ^2 /NDF: 20.5/36

All: 31.644 $\pm$ 35.249 χ^2 /NDF: 40.1/69

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422 $\pm$ 0.065 χ^2 /NDF: 3695848.3/16

Left Out: 226.171 $\pm$ 0.045 χ^2 /NDF: 1107568.9/17

Right Out: 179.983 $\pm$ 0.060 χ^2 /NDF: 4321404.4/18

Left In: 195.466 $\pm$ 0.041 χ^2 /NDF: 1076697.0/15

Left: 209.365 $\pm$ 0.030 χ^2 /NDF: 2439370.4/33

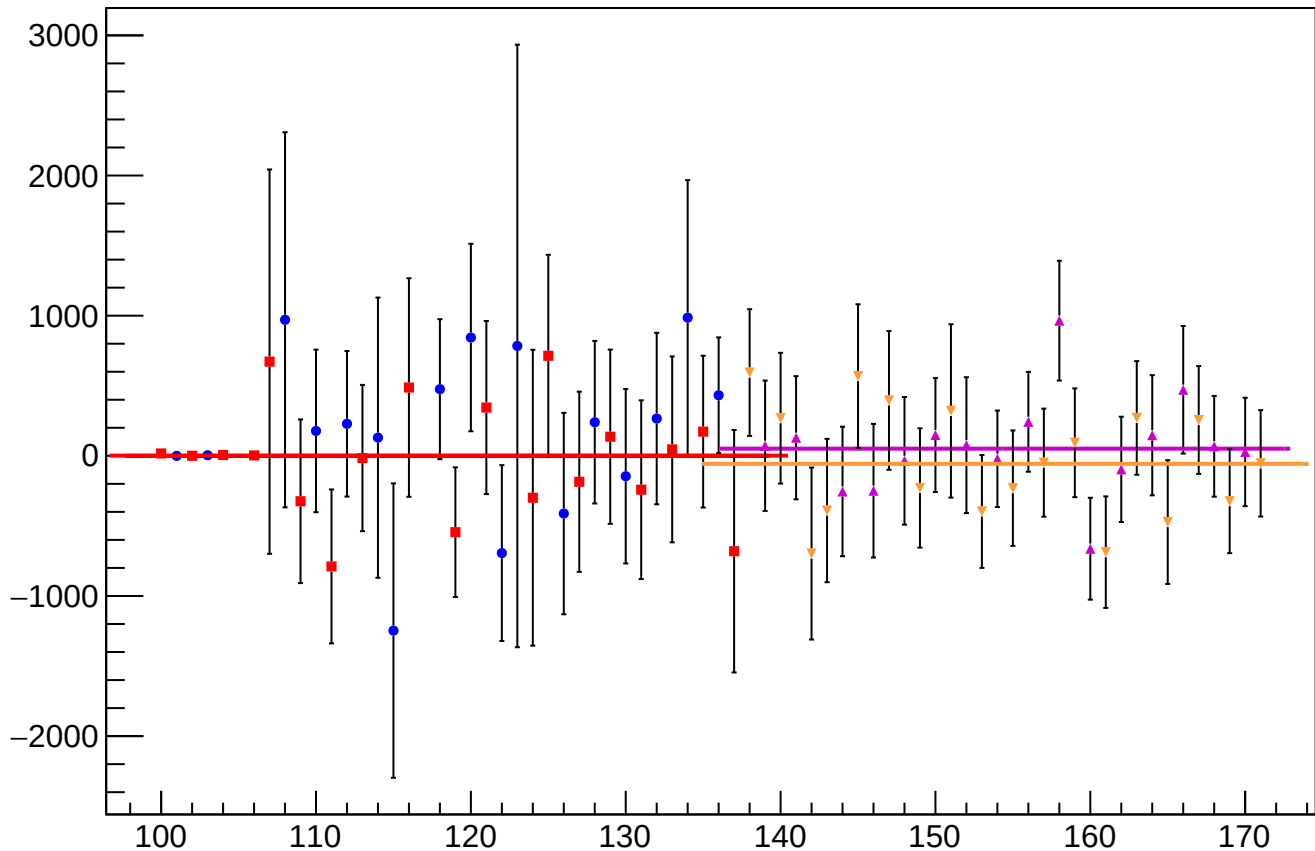
Right: 187.995 $\pm$ 0.044 χ^2 /NDF: 8056346.9/35

In: 196.023 $\pm$ 0.035 χ^2 /NDF: 4773196.3/32

Out: 209.478 $\pm$ 0.036 χ^2 /NDF: 5810145.4/36

All: 202.494 $\pm$ 0.025 χ^2 /NDF: 10656090.2/69

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 $\pm$ 1.737 χ^2/NDF : 9.8/16

Left Out: -57.161 $\pm$ 102.119 χ^2/NDF :13.2/17

Right Out: 1.324 $\pm$ 1.623 χ^2/NDF : 9.5/18

Left In: 51.048 $\pm$ 102.500 χ^2/NDF :10.8/15

Left: -3.258 $\pm$ 72.344 χ^2/NDF : 24.6/33

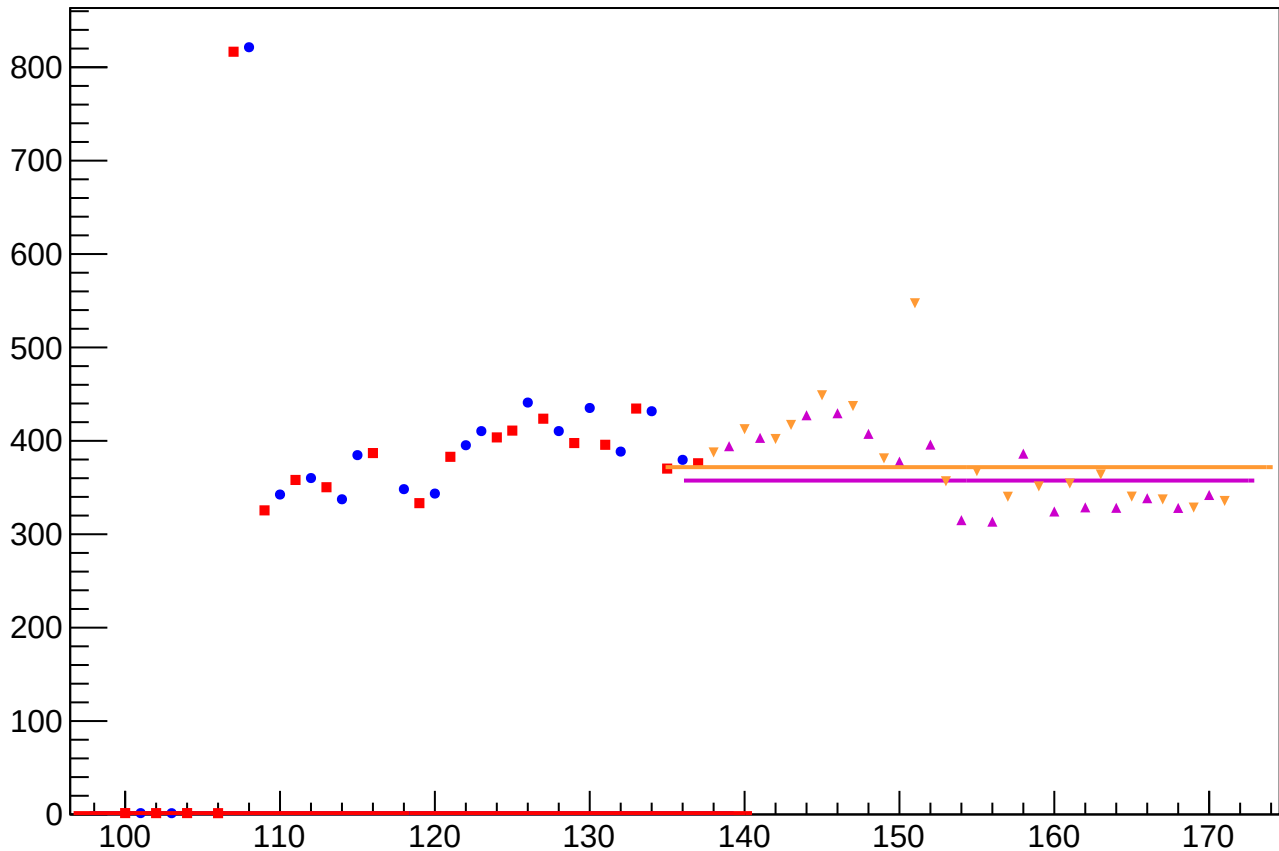
Right: 0.642 $\pm$ 1.186 χ^2/NDF : 19.7/35

In: -0.124 $\pm$ 1.736 χ^2/NDF :20.8/32

Out: 1.309 $\pm$ 1.622 χ^2/NDF :23.0/36

All: 0.641 $\pm$ 1.185 χ^2/NDF : 44.2/69

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 ± 0.001 χ^2/NDF : 10815892.9/16

Left Out: 371.835 ± 0.072 χ^2/NDF : 378661.0/17

Right Out: 1.451 ± 0.001 χ^2/NDF : 10873552.2/18

Left In: 357.478 ± 0.072 χ^2/NDF : 294770.2/15

Left: 364.683 ± 0.051 χ^2/NDF : 693122.5/33

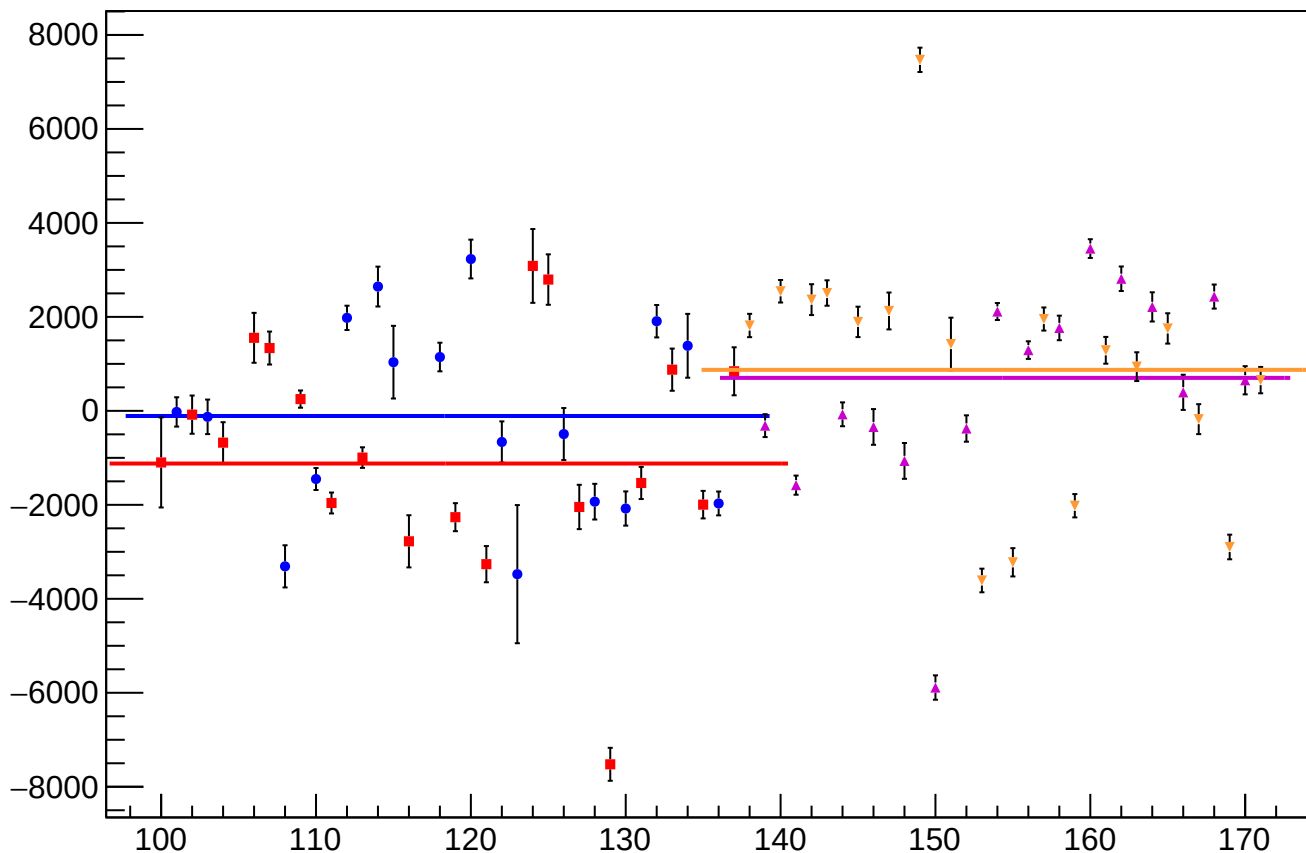
Right: 1.452 ± 0.001 χ^2/NDF : 21689445.7/35

In: 1.554 ± 0.001 χ^2/NDF : 35233054.0/32

Out: 1.545 ± 0.001 χ^2/NDF : 37555409.3/36

All: 1.549 ± 0.001 χ^2/NDF : 72788497.8/69

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 $\pm$ 87.961 χ^2/NDF : 428.3/16

Left Out: 872.656 $\pm$ 67.412 χ^2/NDF :1677.8/17

Right Out: -1121.203 $\pm$ 78.396 χ^2/NDF : 670.1/18

Left In: 701.724 $\pm$ 62.602 χ^2/NDF :1254.5/15

Left: 780.876 $\pm$ 45.873 χ^2/NDF : 2935.8/33

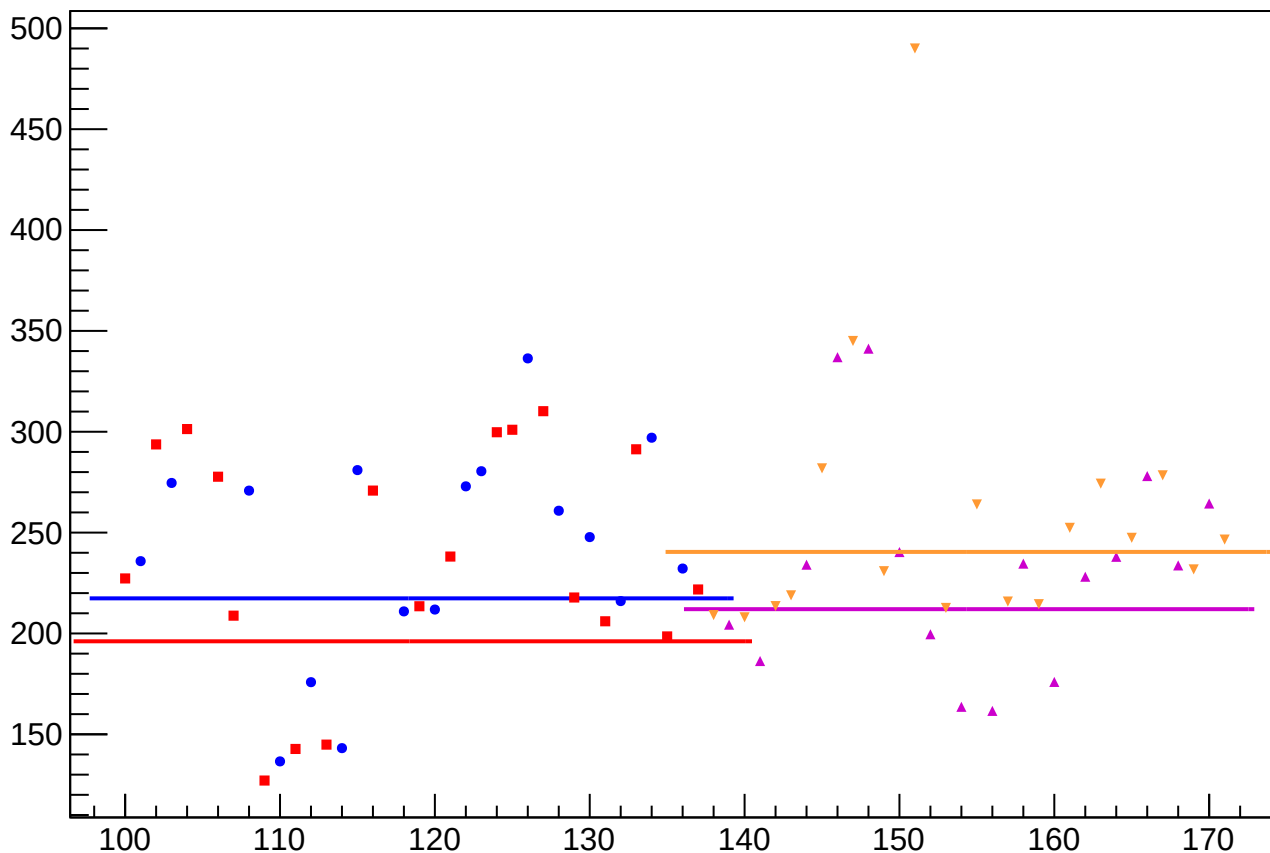
Right: -673.210 $\pm$ 58.525 χ^2/NDF : 1172.2/35

In: 429.067 $\pm$ 51.004 χ^2/NDF :1739.3/32

Out: 25.086 $\pm$ 51.113 χ^2/NDF :2719.8/36

All: 227.510 $\pm$ 36.104 χ^2/NDF : 4490.4/69

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 240.431+/-0.048 χ^2/NDF : 806791.2/17

Right Out: 196.112+/-0.055 χ^2/NDF : 1190862.3/18

Left In: 212.044+/-0.044 χ^2/NDF : 1049569.0/15

Left: 225.189+/-0.032 χ^2/NDF : 2046783.3/33

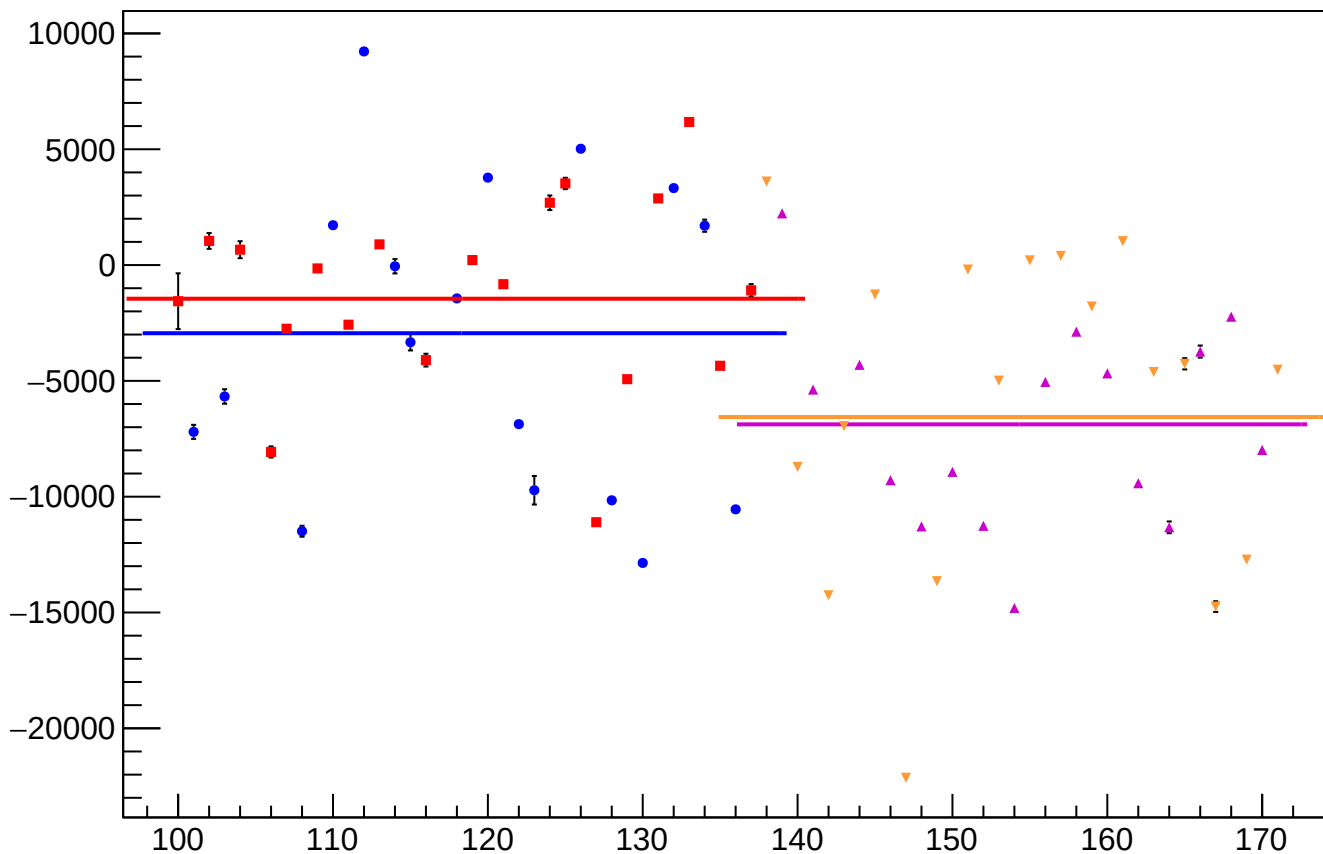
Right: 205.537+/-0.041 χ^2/NDF : 1908796.2/35

In: 213.846+/-0.036 χ^2/NDF : 1707129.2/32

Out: 221.591+/-0.036 χ^2/NDF : 2365117.8/36

All: 217.710+/-0.026 χ^2/NDF : 4095260.2/69

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -6560.071+/-38.265 χ^2/NDF : 36467.5/17

Right Out: -1453.116+/-46.404 χ^2/NDF : 7996.0/18

Left In: -6877.047+/-39.679 χ^2/NDF : 11944.8/15

Left: -6712.808+/-27.544 χ^2/NDF : 48445.4/33

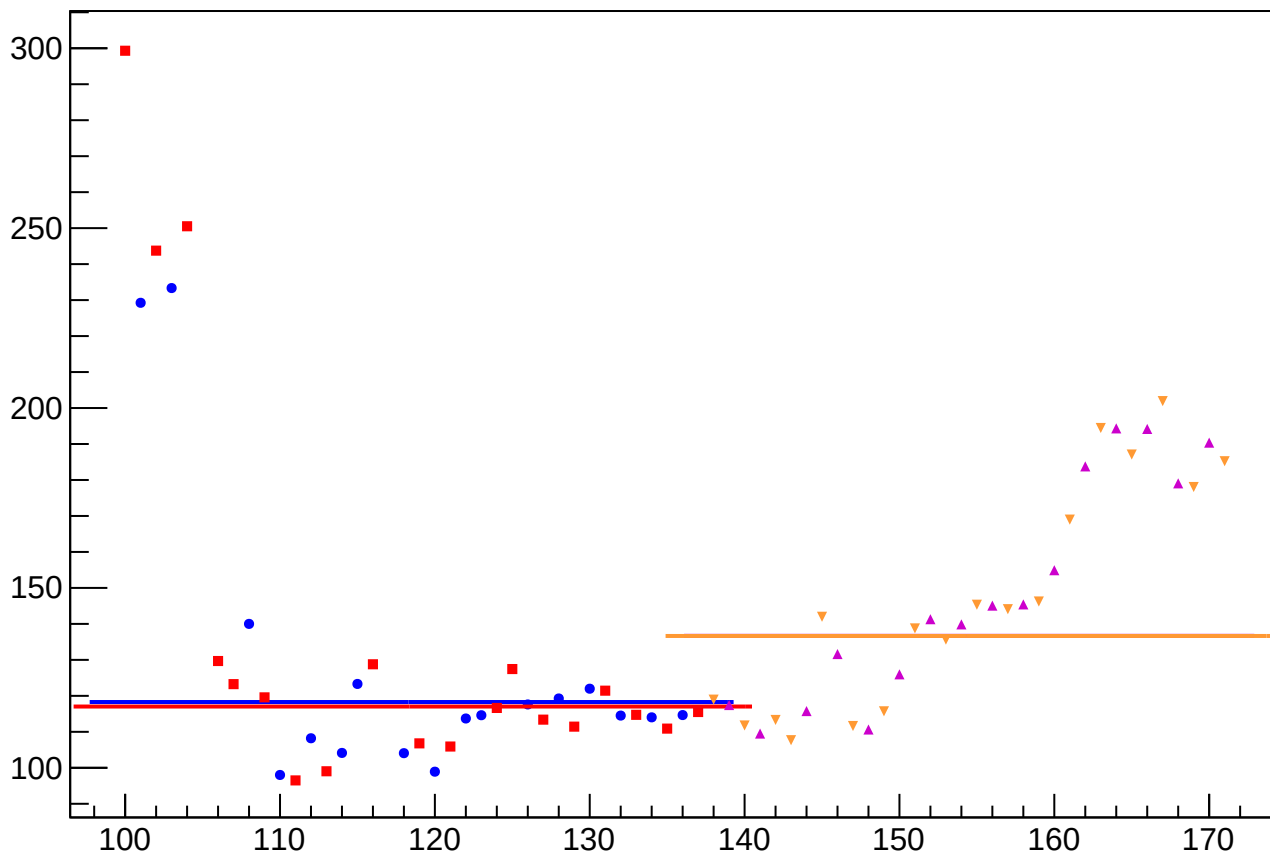
Right: -2163.502+/-33.566 χ^2/NDF : 29397.3/35

In: -5304.059+/-30.739 χ^2/NDF : 36784.9/32

Out: -4493.007+/-29.522 χ^2/NDF : 51673.2/36

All: -4882.156+/-21.293 χ^2/NDF : 88820.2/69

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 136.644+/-0.027 χ^2/NDF : 1016162.1/17

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

Left In: 136.680+/-0.028 χ^2/NDF : 845408.3/15

Left: 136.661+/-0.019 χ^2/NDF : 1861571.2/33

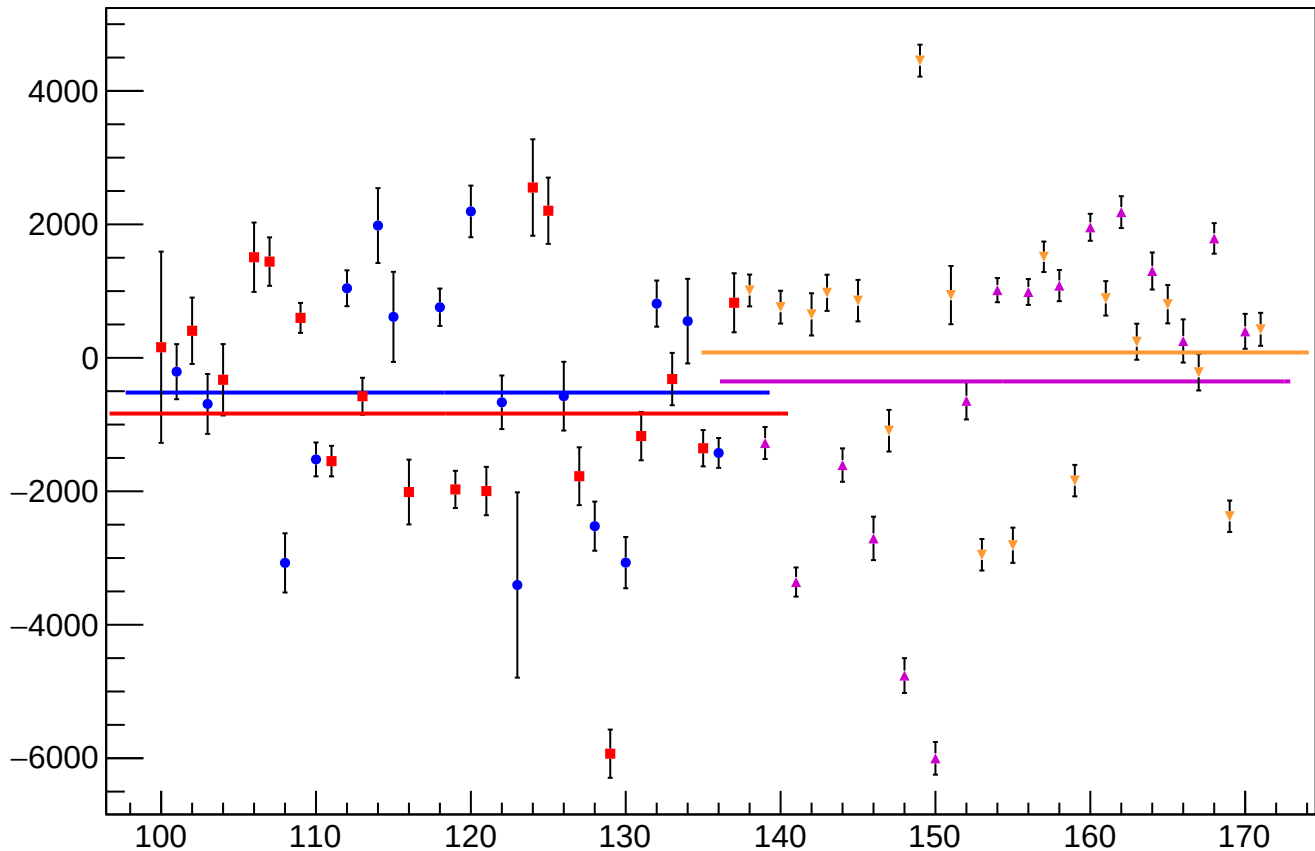
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 129.325+/-0.022 χ^2/NDF : 1654183.2/32

Out: 128.706+/-0.021 χ^2/NDF : 1919690.7/36

All: 129.003+/-0.015 χ^2/NDF : 3574295.9/69

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 $\pm$ 89.241 χ^2/NDF : 288.1/16

Left Out: 80.520 $\pm$ 62.102 χ^2/NDF : 914.3/17

Right Out: -834.834 $\pm$ 82.273 χ^2/NDF : 434.7/18

Left In: -353.490 $\pm$ 59.592 χ^2/NDF : 1622.0/15

Left: -145.434 $\pm$ 42.998 χ^2/NDF : 2561.7/33

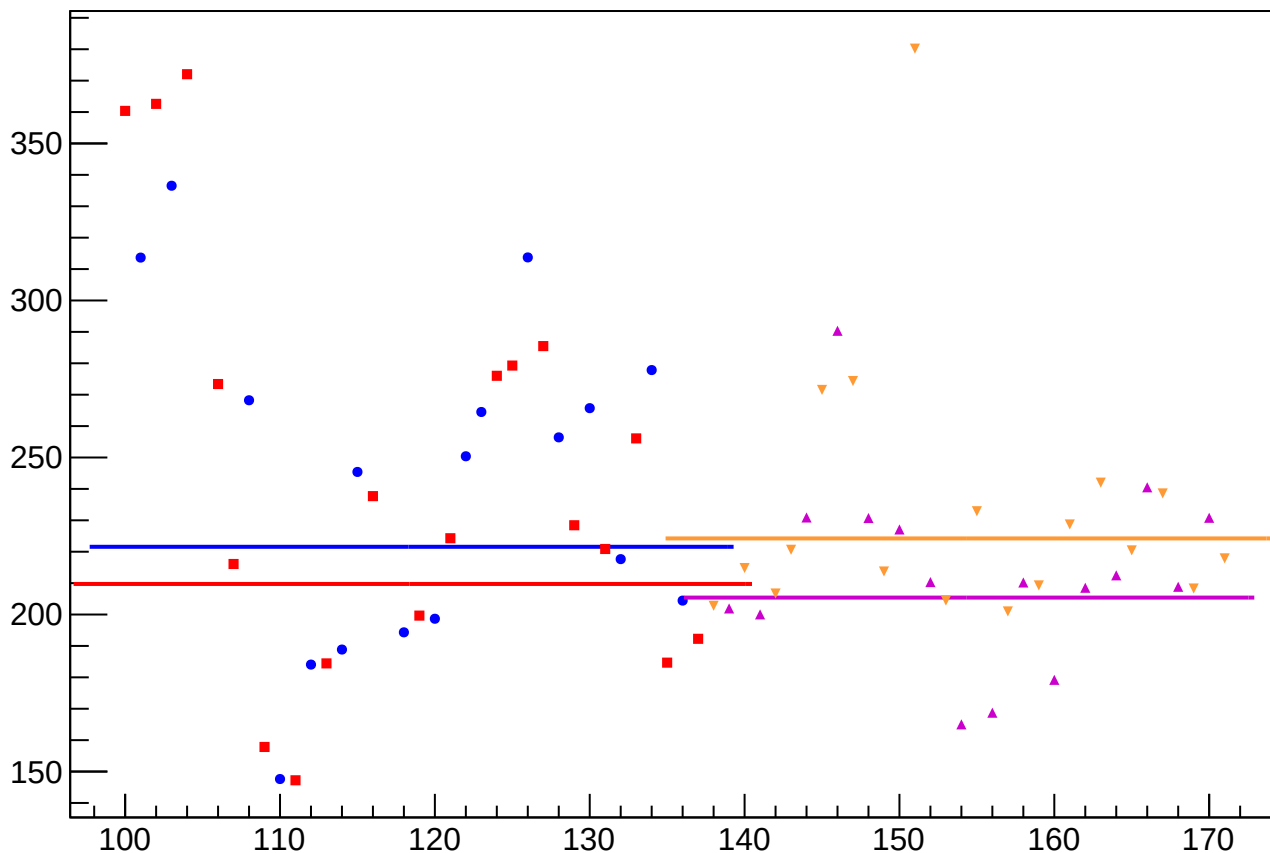
Right: -690.308 $\pm$ 60.489 χ^2/NDF : 729.5/35

In: -404.922 $\pm$ 49.558 χ^2/NDF : 1912.5/32

Out: -251.718 $\pm$ 49.567 χ^2/NDF : 1427.8/36

All: -328.333 $\pm$ 35.046 χ^2/NDF : 3345.1/69

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 224.232 $\pm$ 0.044 χ^2 /NDF: 453561.1/17

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

Left In: 205.390 $\pm$ 0.042 χ^2 /NDF: 443422.0/15

Left: 214.422 $\pm$ 0.030 χ^2 /NDF: 992834.4/33

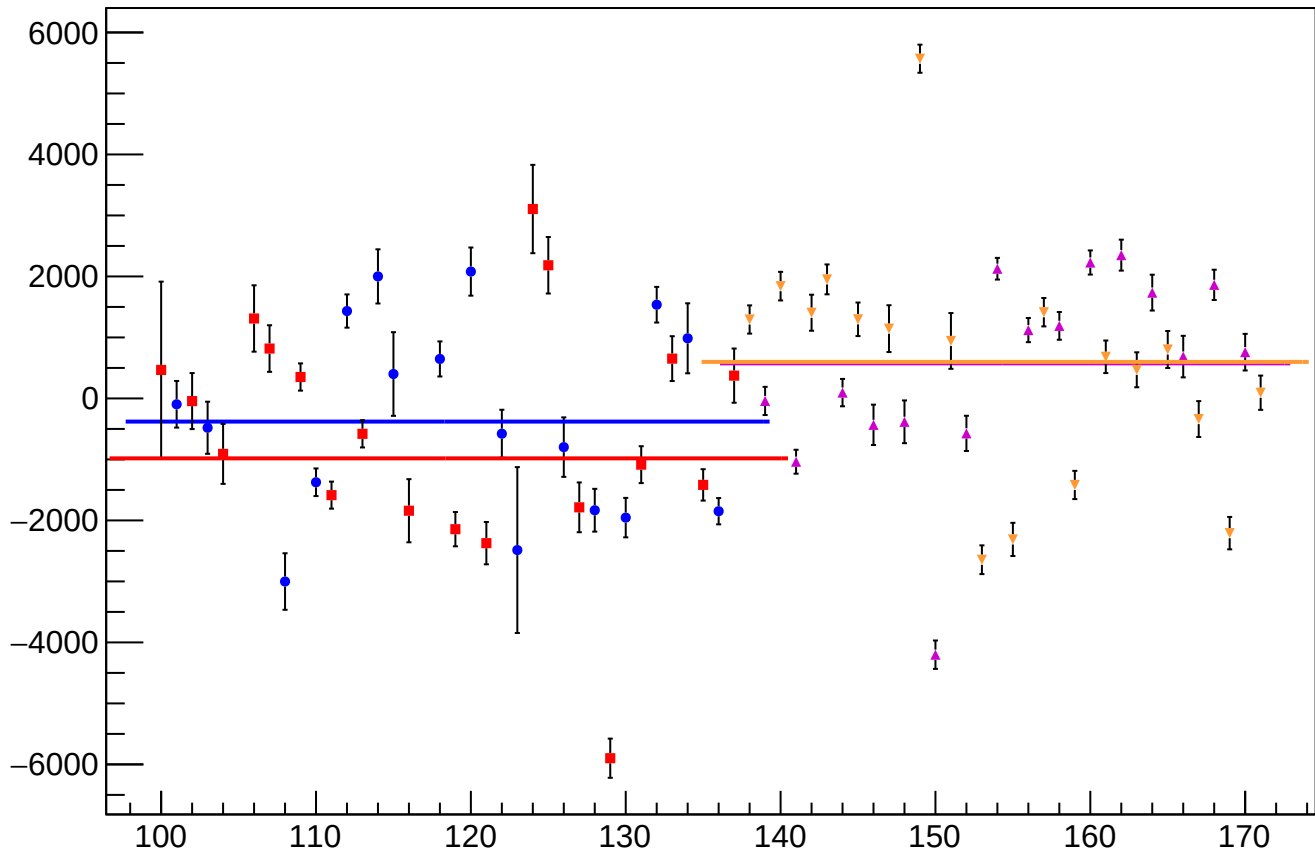
Right: 215.173 $\pm$ 0.043 χ^2 /NDF: 1547873.9/35

In: 210.379 $\pm$ 0.035 χ^2 /NDF: 1133833.5/32

Out: 218.970 $\pm$ 0.035 χ^2 /NDF: 1377034.5/36

All: 214.674 $\pm$ 0.025 χ^2 /NDF: 2540912.9/69

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 $\pm$ 84.260 χ^2/NDF : 317.2/16

Left Out: 599.109 $\pm$ 62.897 χ^2/NDF :1067.8/17

Right Out: -982.539 $\pm$ 77.724 χ^2/NDF : 476.3/18

Left In: 574.609 $\pm$ 60.053 χ^2/NDF :785.9/15

Left: 586.293 $\pm$ 43.435 χ^2/NDF : 1853.8/33

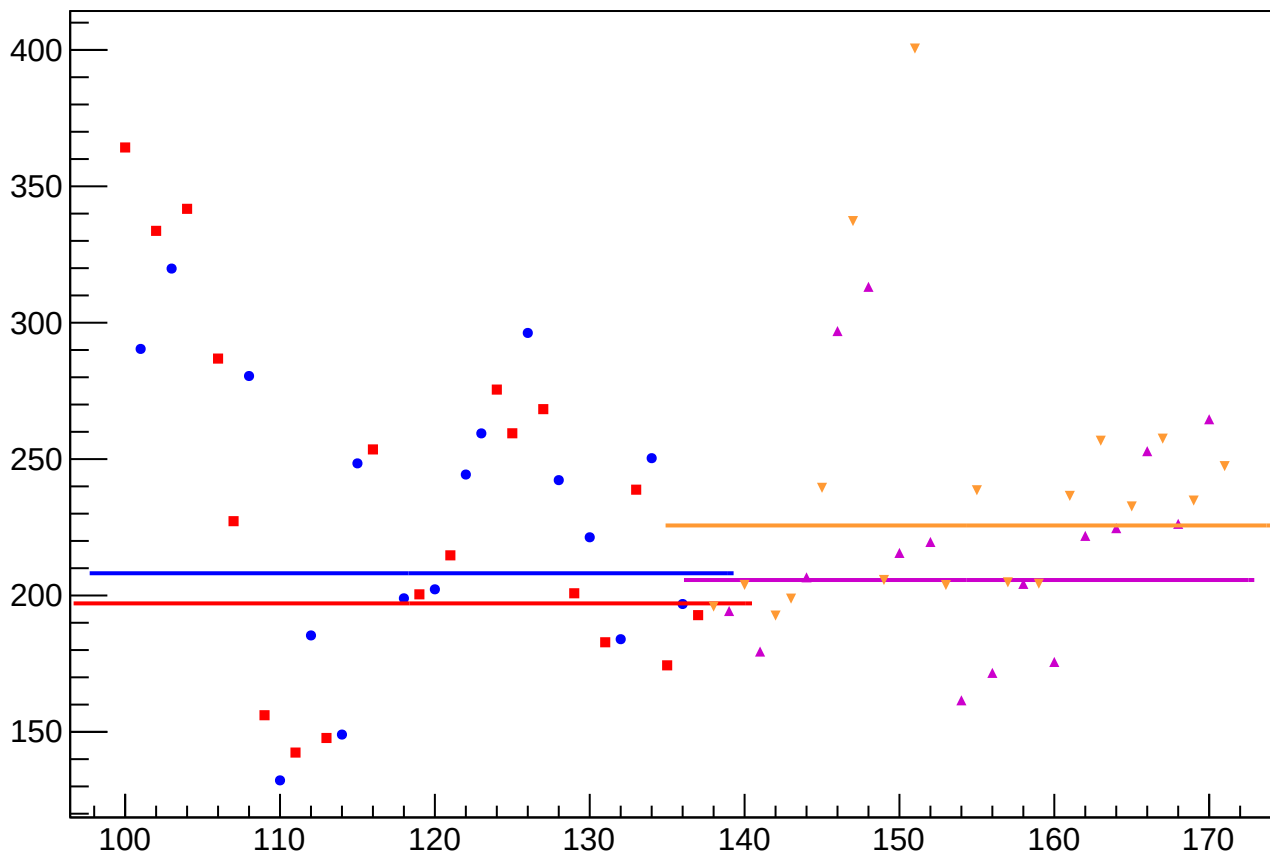
Right: -705.376 $\pm$ 57.130 χ^2/NDF : 821.1/35

In: 253.162 $\pm$ 48.904 χ^2/NDF :1188.1/32

Out: -26.779 $\pm$ 48.894 χ^2/NDF :1794.3/36

All: 113.163 $\pm$ 34.577 χ^2/NDF : 2998.8/69

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 $\pm$ 0.060 χ^2/NDF : 699084.2/16

Left Out: 225.671 $\pm$ 0.044 χ^2/NDF : 701580.1/17

Right Out: 197.103 $\pm$ 0.055 χ^2/NDF : 926467.5/18

Left In: 205.673 $\pm$ 0.042 χ^2/NDF : 762997.9/15

Left: 215.210 $\pm$ 0.031 χ^2/NDF : 1570339.9/33

Right: 202.182 $\pm$ 0.040 χ^2/NDF : 1644129.7/35

In: 206.508 $\pm$ 0.035 χ^2/NDF : 1463228.8/32

Out: 214.366 $\pm$ 0.035 χ^2/NDF : 1791325.7/36

All: 210.438 $\pm$ 0.024 χ^2/NDF : 3280379.6/69

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

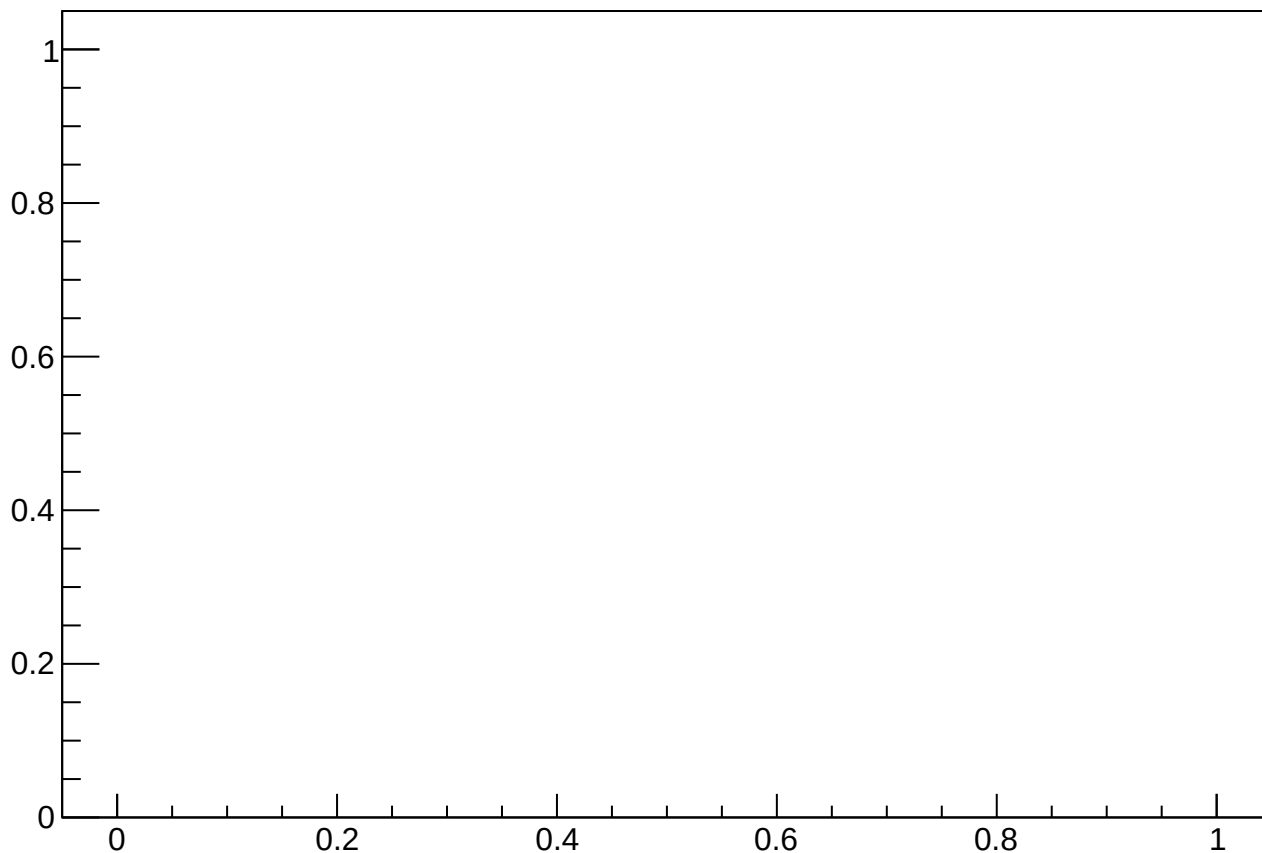
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

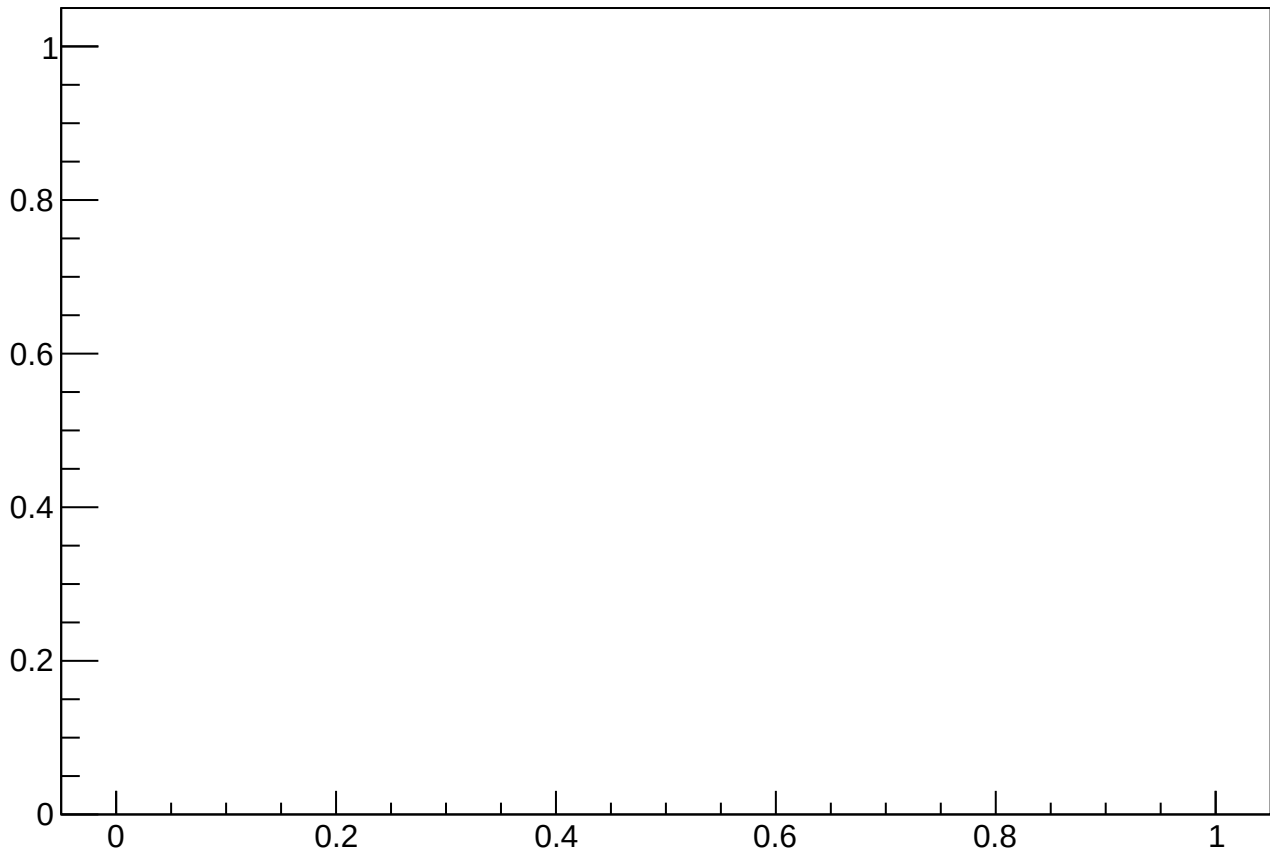
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

All: 0.000 $\pm$ 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

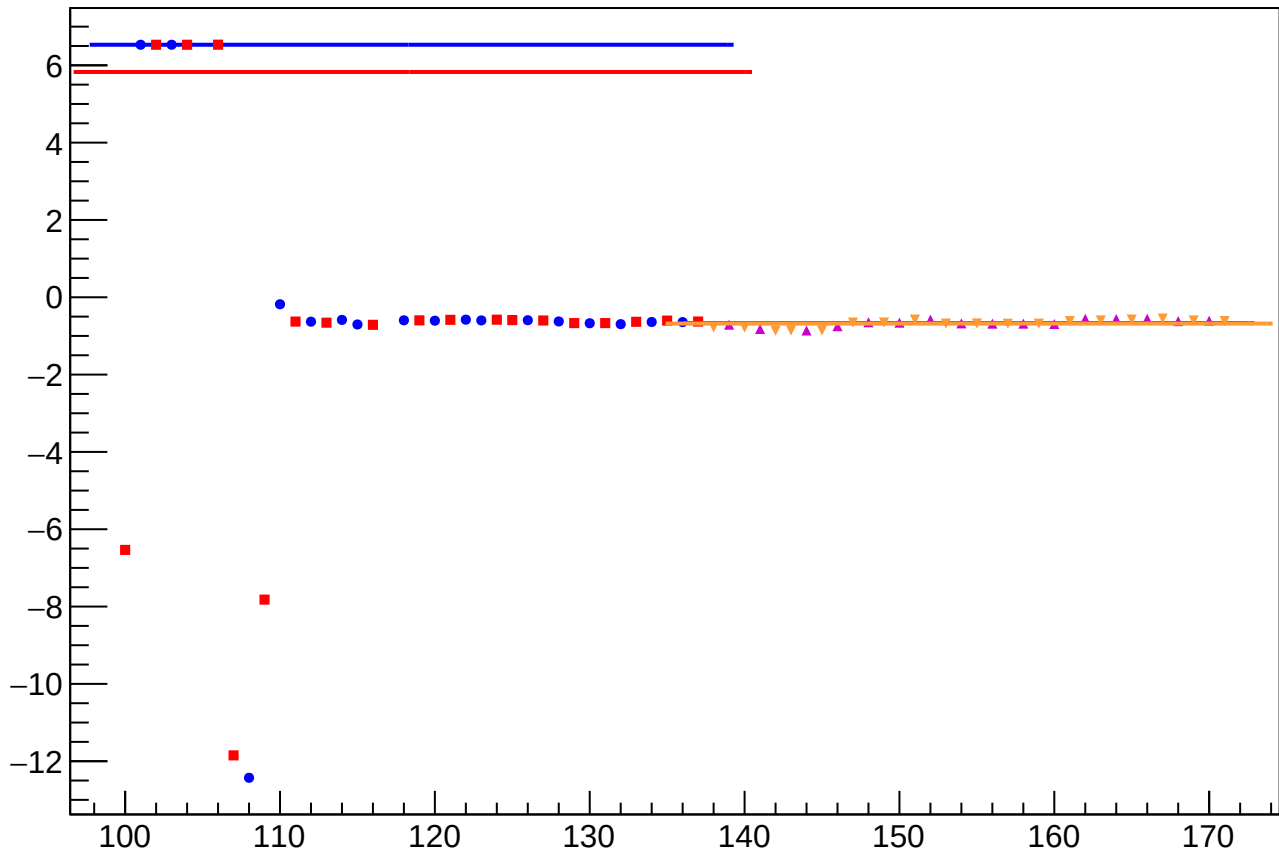
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.680 $\pm$ 0.000 χ^2 /NDF: 127411928.9/17

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755963218053643.4/18

Left In: -0.667 $\pm$ 0.000 χ^2 /NDF: 96483421.1/15

Left: -0.674 $\pm$ 0.000 χ^2 /NDF: 224896356.3/33

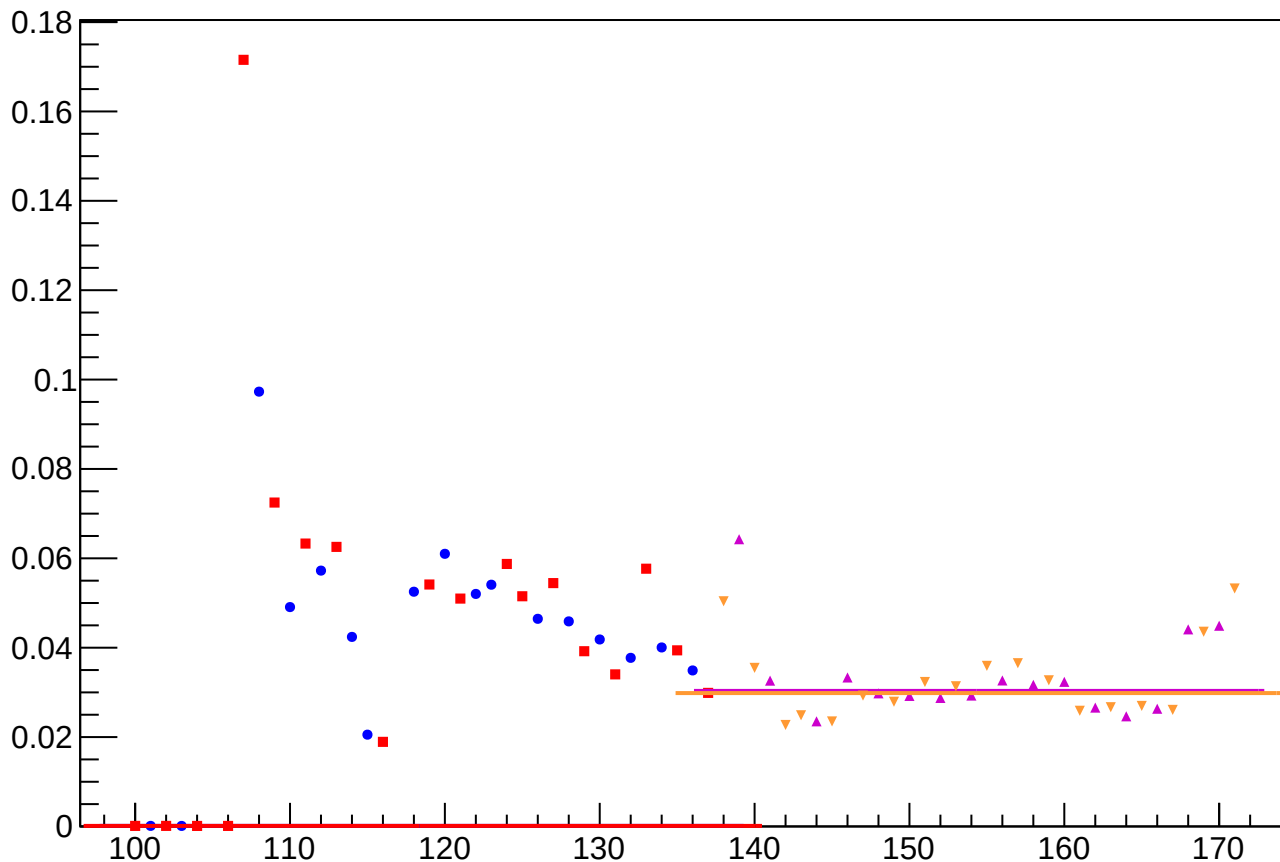
Right: 6.155 $\pm$ 0.000 χ^2 /NDF: 776094576922584.5/34

In: 6.531 $\pm$ 0.000 χ^2 /NDF: 683870872644.8/32

Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 756465780891920.6/32

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77714885529973.0/67

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF :1000943.2/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

Left In: 0.030+/-0.000 χ^2/NDF :905598.5/15

Left: 0.030+/-0.000 χ^2/NDF : 1909204.8/33

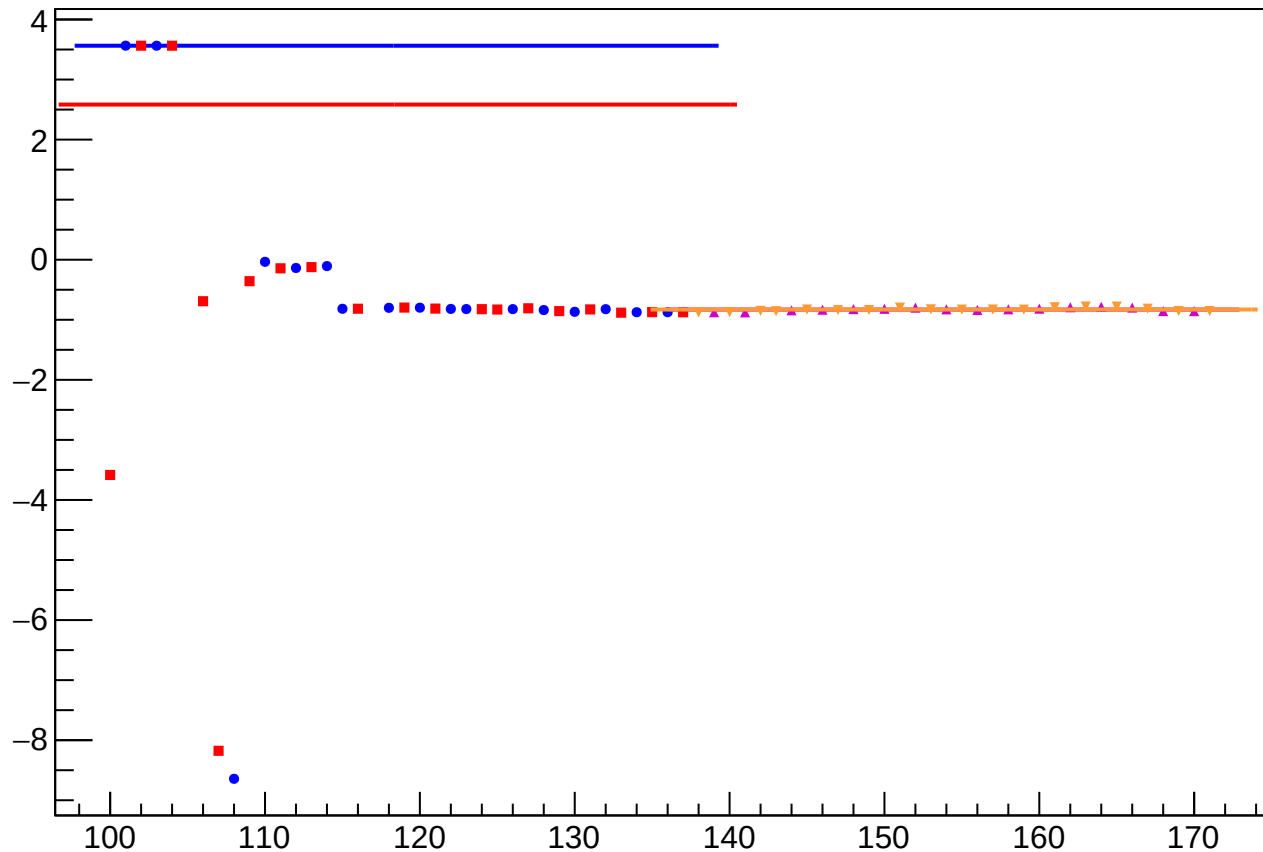
Right: 0.000+/-0.000 χ^2/NDF : 18237948.0/35

In: 0.000+/-0.000 χ^2/NDF :29395716.4/32

Out: 0.000+/-0.000 χ^2/NDF :31314676.3/36

All: 0.000+/-0.000 χ^2/NDF : 60710711.2/69

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.829+/-0.000 χ^2/NDF : 140304841.4/17

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.830+/-0.000 χ^2/NDF : 117587265.8/15

Left: -0.830+/-0.000 χ^2/NDF : 257985973.2/33

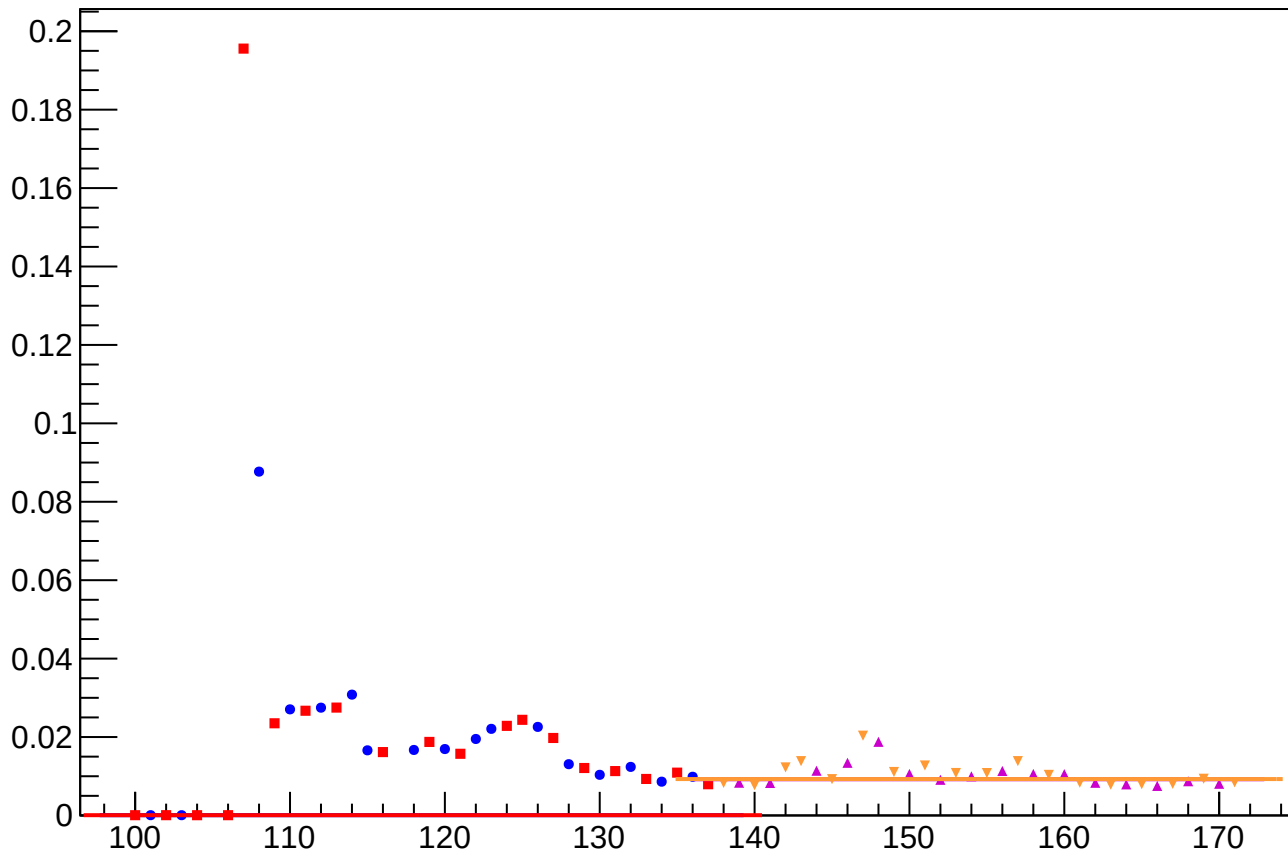
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.0/19

In: 3.561+/-0.000 χ^2/NDF : 2765718104767.1/32

Out: 2.582+/-0.000 χ^2/NDF : 1254969385822168.8/18

All: 3.039+/-0.000 χ^2/NDF : 13859139562447.0/19

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :1077871.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

Left In: 0.009+/-0.000 χ^2/NDF :790115.4/15

Left: 0.009+/-0.000 χ^2/NDF : 1868263.2/33

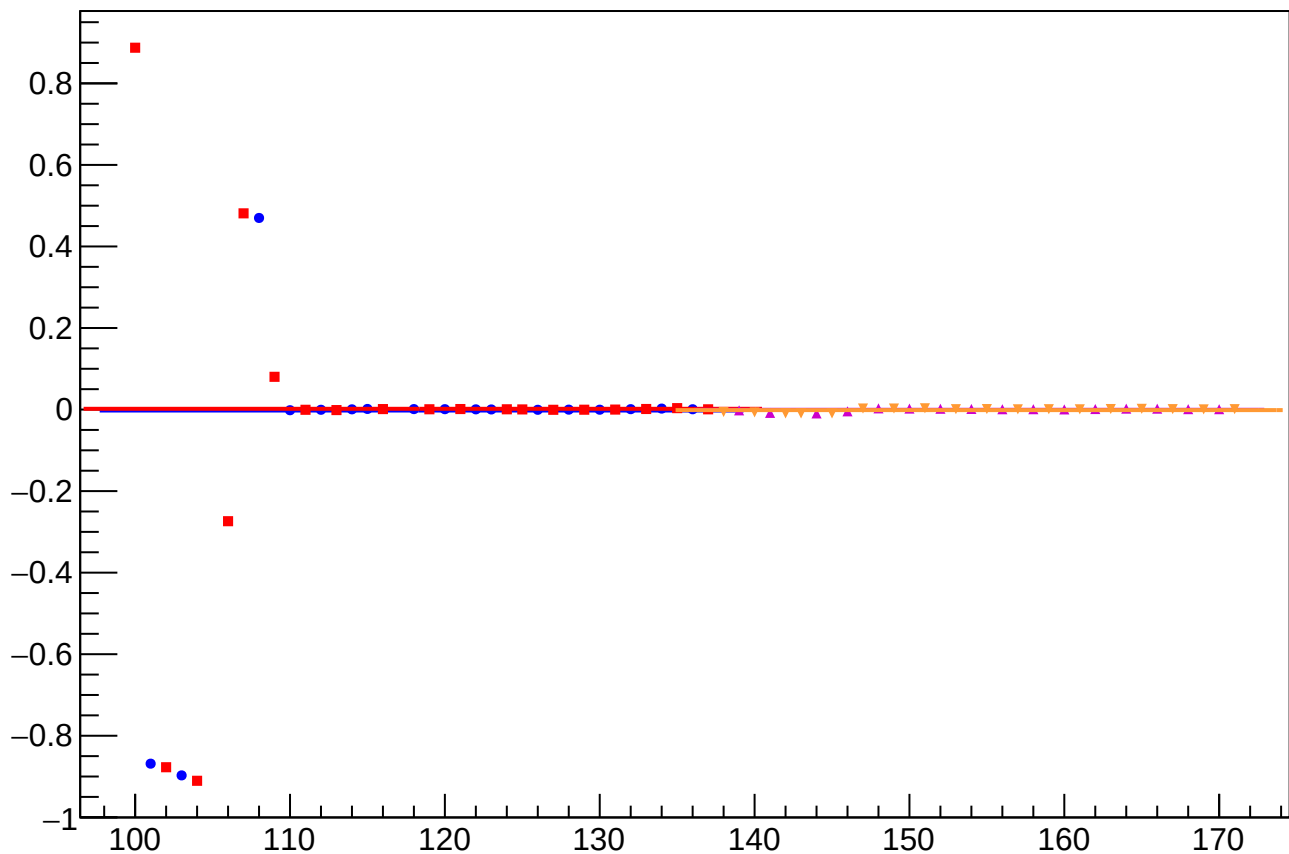
Right: 0.000+/-0.000 χ^2/NDF : 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF :30386125.4/32

Out: 0.000+/-0.000 χ^2/NDF :32326324.6/36

All: 0.000+/-0.000 χ^2/NDF : 62712896.7/69

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.001+/-0.000 χ^2/NDF : 94829285.7/17

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

Left In: -0.001+/-0.000 χ^2/NDF : 67345316.0/15

Left: -0.001+/-0.000 χ^2/NDF : 163517772.2/33

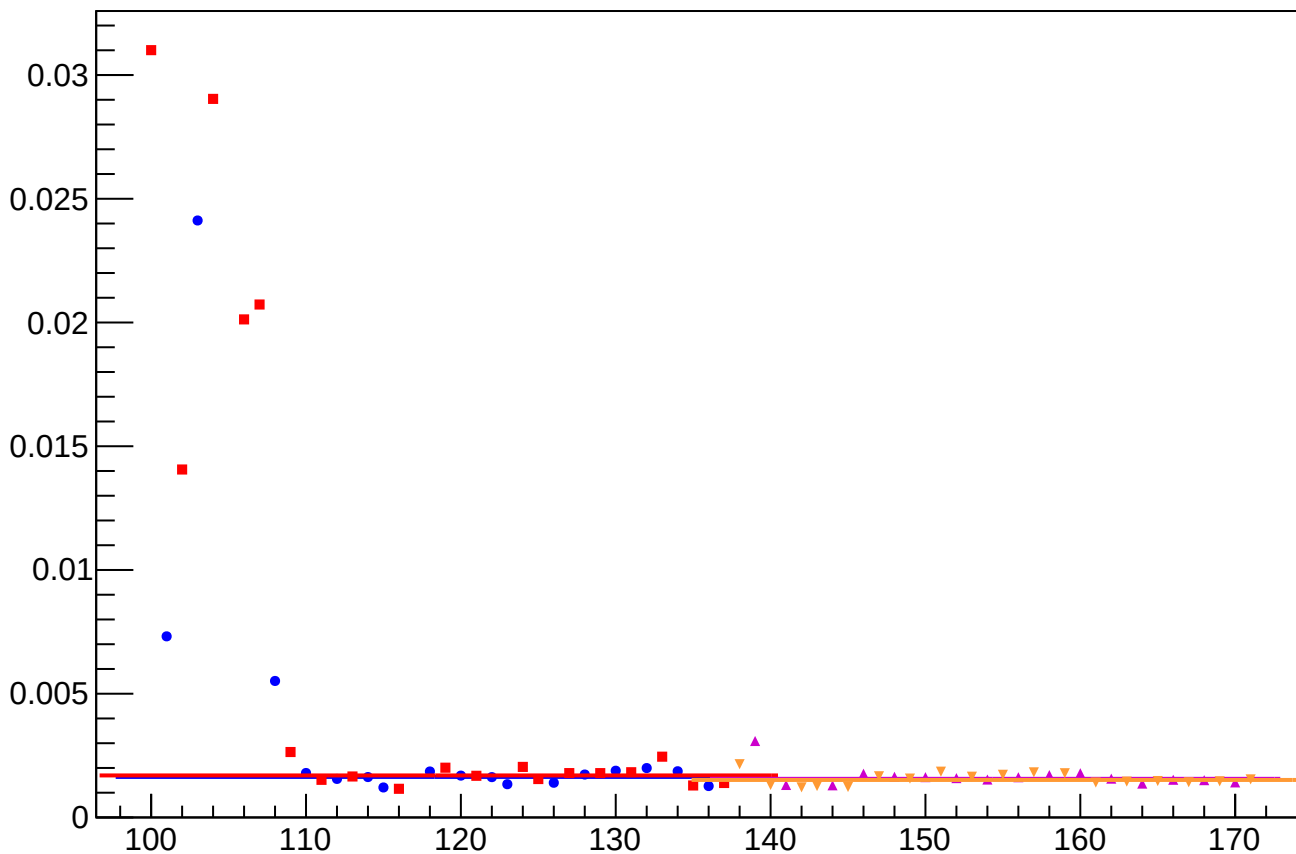
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF : 9865929998.4/32

Out: -0.001+/-0.000 χ^2/NDF : 3148163333.6/36

All: -0.001+/-0.000 χ^2/NDF : 13014914848.4/71

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 429212.8/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 539796.7/15

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 977959.3/33

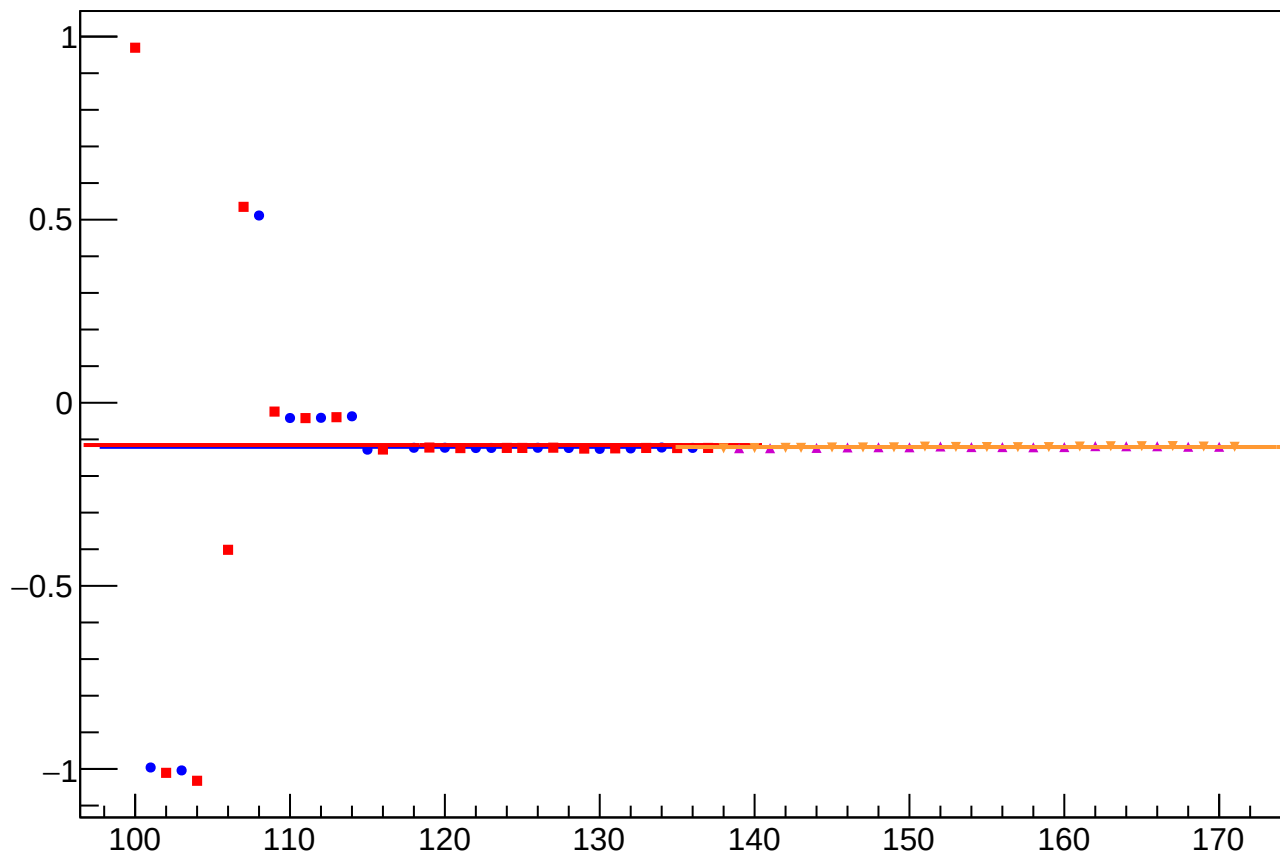
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4945998.5/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2470376.5/32

Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3530358.2/36

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6003697.5/69

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000

χ^2/NDF : 3932144335.2/16

Left: -0.121+/-0.000

χ^2/NDF : 60864737.1/33

Left Out: -0.121+/-0.000

χ^2/NDF : 32229205.6/17

Right: -0.118+/-0.000

χ^2/NDF : 6411653427.4/35

Right Out: -0.115+/-0.000

χ^2/NDF : 2456843337.8/18

In: -0.121+/-0.000

χ^2/NDF : 3961215381.2/32

Out: -0.120+/-0.000

χ^2/NDF : 2537055508.1/36

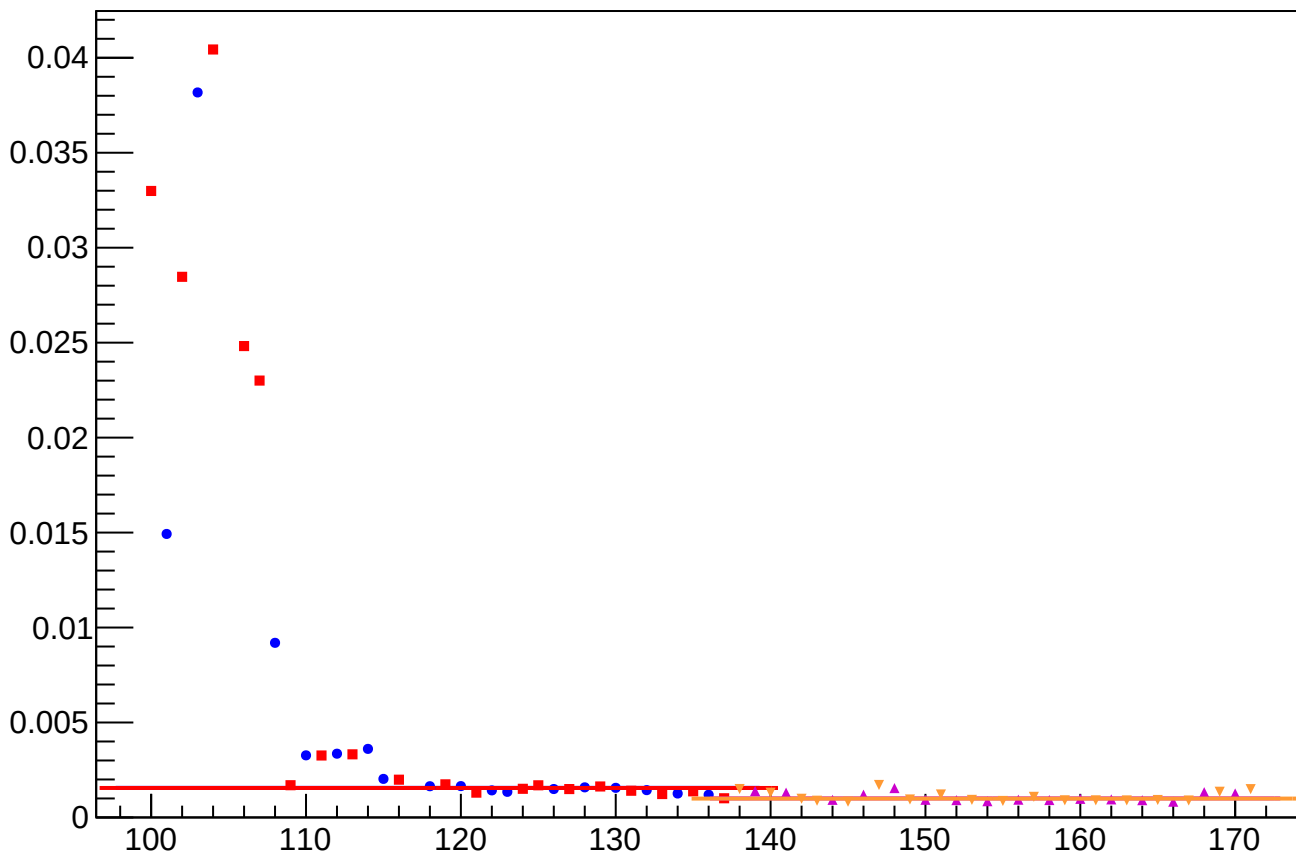
Left In: -0.121+/-0.000

χ^2/NDF : 28632825.7/15

All: -0.120+/-0.000

χ^2/NDF : 6501263344.0/6

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 1012160.7/17

Right Out: 0.002+/-0.000 χ^2/NDF : 3539455.6/18

Left In: 0.001+/-0.000 χ^2/NDF : 731586.4/15

Left: 0.001+/-0.000 χ^2/NDF : 1744728.7/33

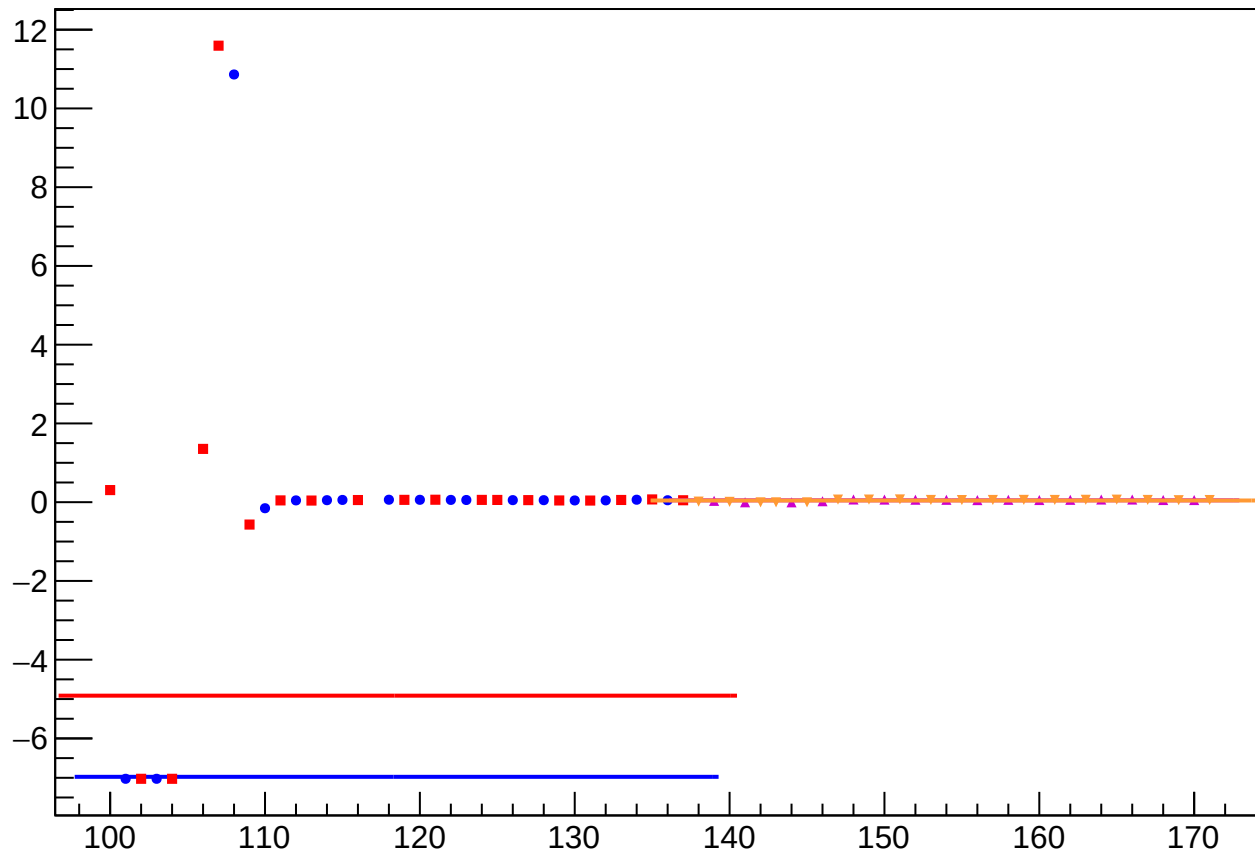
Right: 0.002+/-0.000 χ^2/NDF : 6440590.7/35

In: 0.001+/-0.000 χ^2/NDF : 4623008.1/32

Out: 0.001+/-0.000 χ^2/NDF : 5576346.6/36

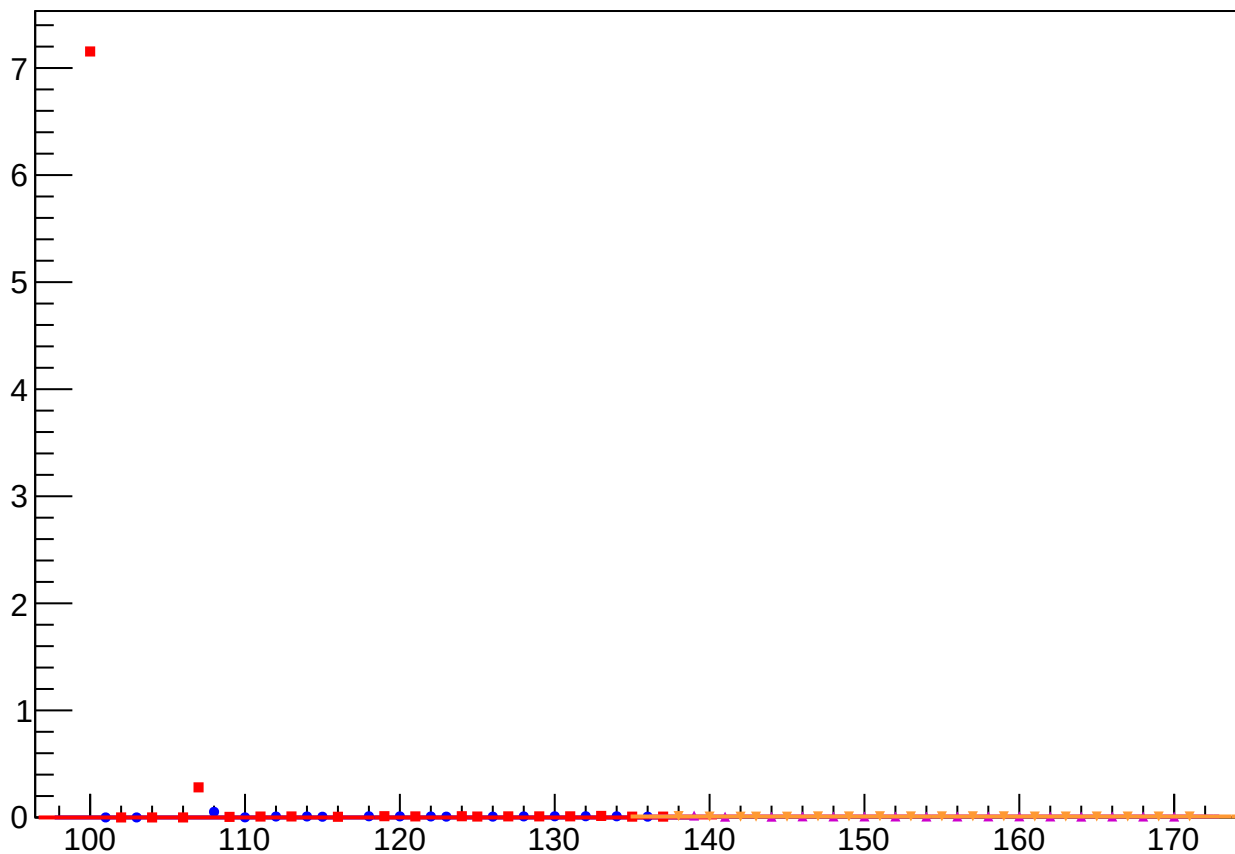
All: 0.001+/-0.000 χ^2/NDF : 10202027.2/69

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 +/- 0.000 χ^2/NDF : 8749579700722.8/16
 Left Out: 0.043 +/- 0.000 χ^2/NDF : 95871841.3/17
 Right Out: -4.914 +/- 0.000 χ^2/NDF : 365358092730279.9/18
 Left In: 0.047 +/- 0.000 χ^2/NDF : 74630319.3/15
 Left: 0.045 +/- 0.000 χ^2/NDF : 171632999.9/33
 Right: -5.900 +/- 0.000 χ^2/NDF : 430307691650468.6
 In: -6.942 +/- 0.000 χ^2/NDF : 14581854985837.9/32
 Out: -4.890 +/- 0.000 χ^2/NDF : 368662544040122.5
 All: -5.871 +/- 0.000 χ^2/NDF : 4392404578428

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 : 422695.4/17

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF : 531135.3/15

Left: 0.009+/-0.000 χ^2/NDF : 963130.4/33

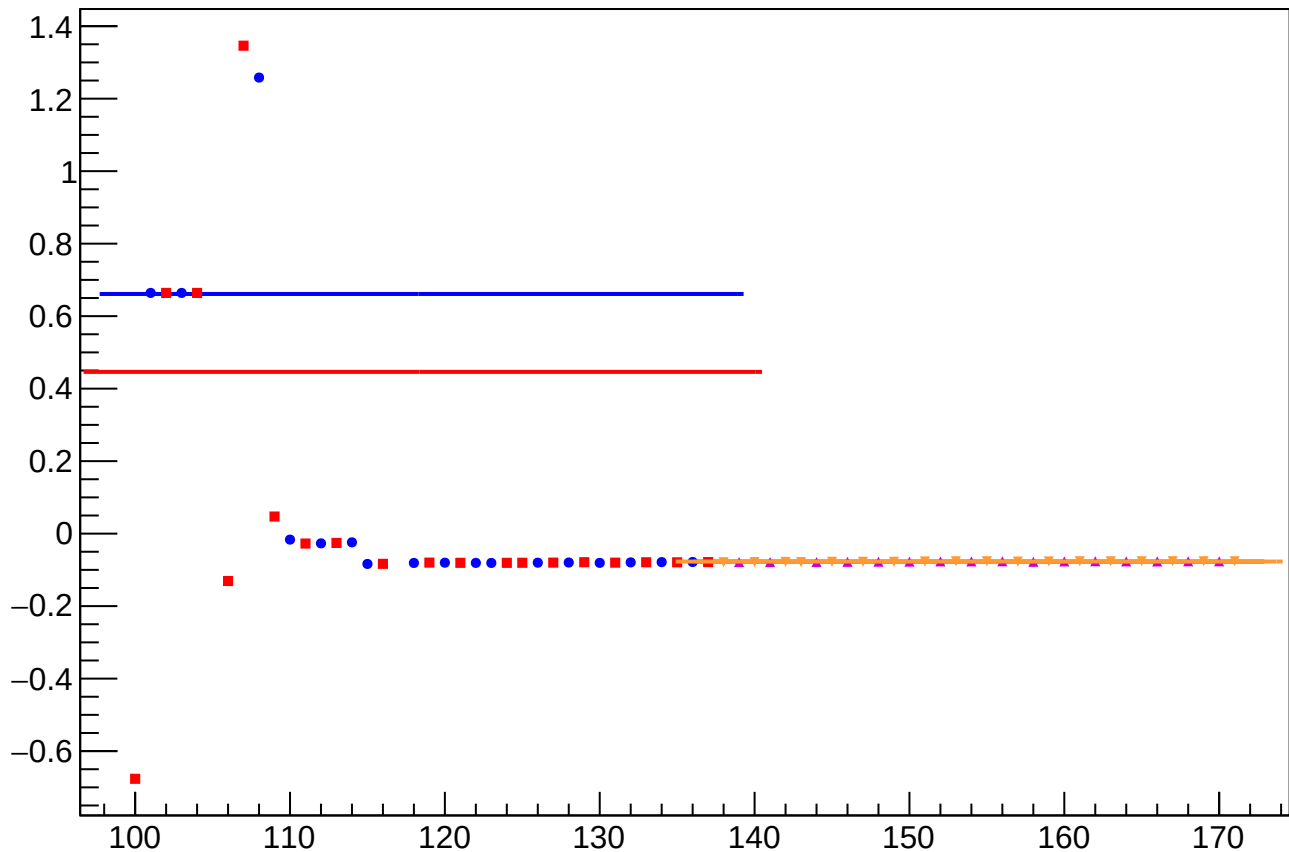
Right: 0.000+/-0.000 χ^2/NDF : 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF : 28091486.3/32

Out: 0.000+/-0.000 χ^2/NDF : 29882620.8/36

All: 0.000+/-0.000 χ^2/NDF : 57974315.5/69

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 : 57092009.7/33

Left Out: -0.077+/-0.000

χ^2/NDF : 33554186.4/17

Right: 0.549+/-0.000

χ^2/NDF : 473947475230218.3

Right Out: 0.446+/-0.000

χ^2/NDF : 405416924315199.0/18

In: 0.651+/-0.000

χ^2/NDF : 25540051920152.3/32

Out: 0.439+/-0.000

χ^2/NDF : 416246241762047.8/3

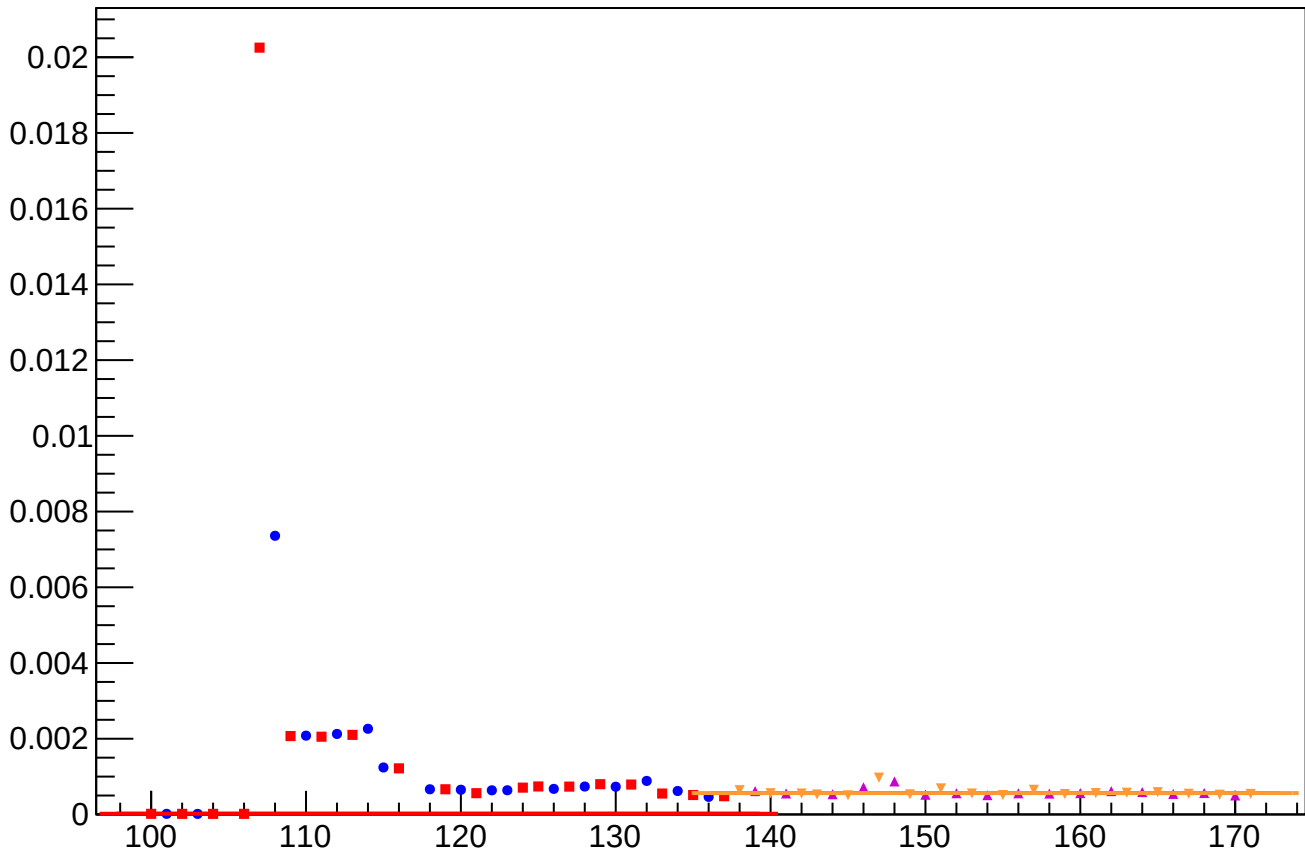
Left In: -0.077+/-0.000

χ^2/NDF : 23463511.6/15

All: 0.540+/-0.000

χ^2/NDF : 50376901867372

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 : 426206.6/17

Right Out: 0.000 +/- 0.000 χ^2/NDF : 9480848.1/18

Left In: 0.001 +/- 0.000 χ^2/NDF : 343444.9/15

Left: 0.001 +/- 0.000 χ^2/NDF : 769775.4/33

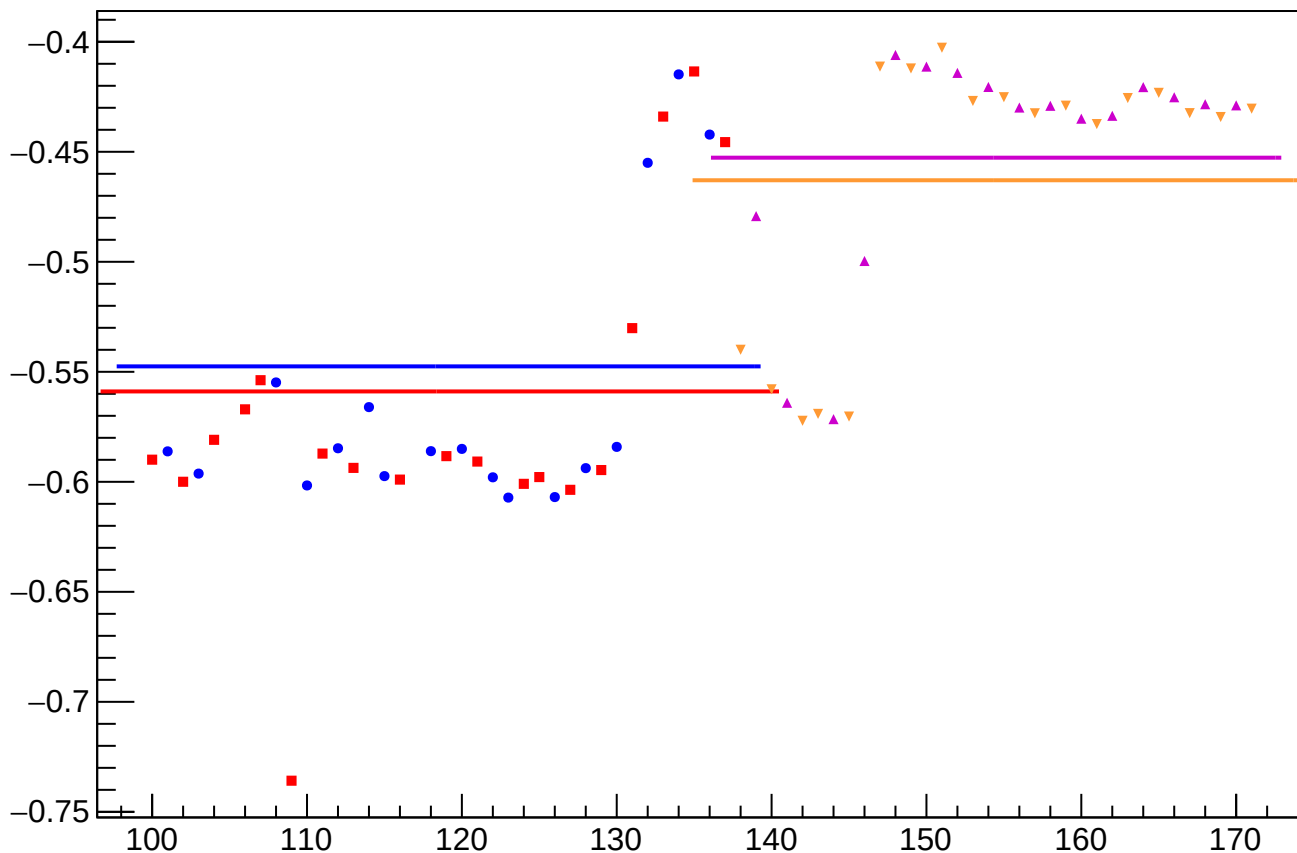
Right: 0.000 +/- 0.000 χ^2/NDF : 19354868.6/35

In: 0.000 +/- 0.000 χ^2/NDF : 32190861.2/32

Out: 0.000 +/- 0.000 χ^2/NDF : 33519446.2/36

All: 0.000 +/- 0.000 χ^2/NDF : 65710387.6/69

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548 ± 0.000 $\chi^2/\text{NDF}: 48545285.9/16$

Left Out: -0.463 ± 0.000 $\chi^2/\text{NDF}: 105966967.5/17$

Right Out: -0.559 ± 0.000 $\chi^2/\text{NDF}: 65330923.3/18$

Left In: -0.453 ± 0.000 $\chi^2/\text{NDF}: 75112108.5/15$

Left: -0.458 ± 0.000 $\chi^2/\text{NDF}: 182440238.7/33$

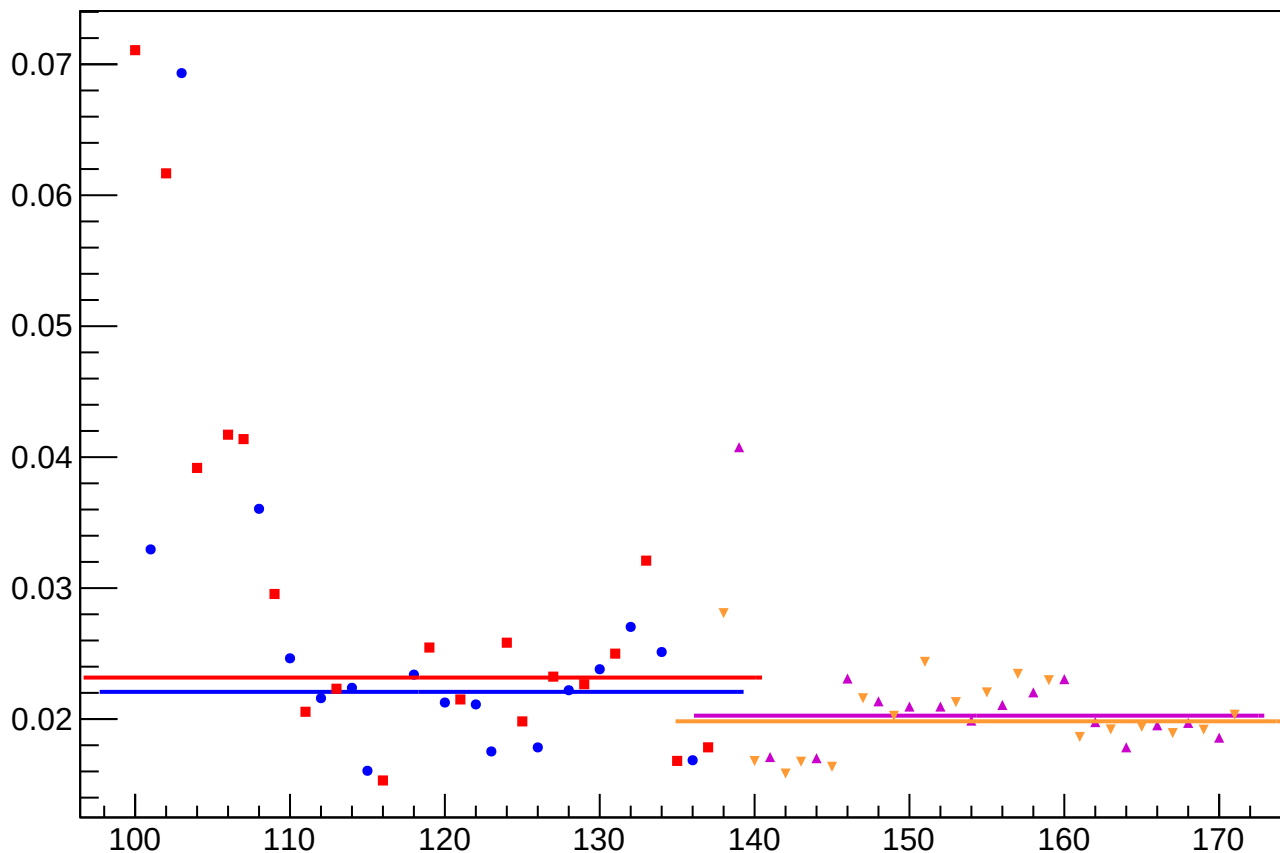
Right: -0.553 ± 0.000 $\chi^2/\text{NDF}: 114532950.1/35$

In: -0.481 ± 0.000 $\chi^2/\text{NDF}: 189105674.3/32$

Out: -0.488 ± 0.000 $\chi^2/\text{NDF}: 238358346.0/36$

All: -0.485 ± 0.000 $\chi^2/\text{NDF}: 428495297.3/69$

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 954779.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:398833.3/17

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156758.3/18

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:538919.3/15

Left: 0.020 $\pm$ 0.000 χ^2 /NDF: 942569.6/33

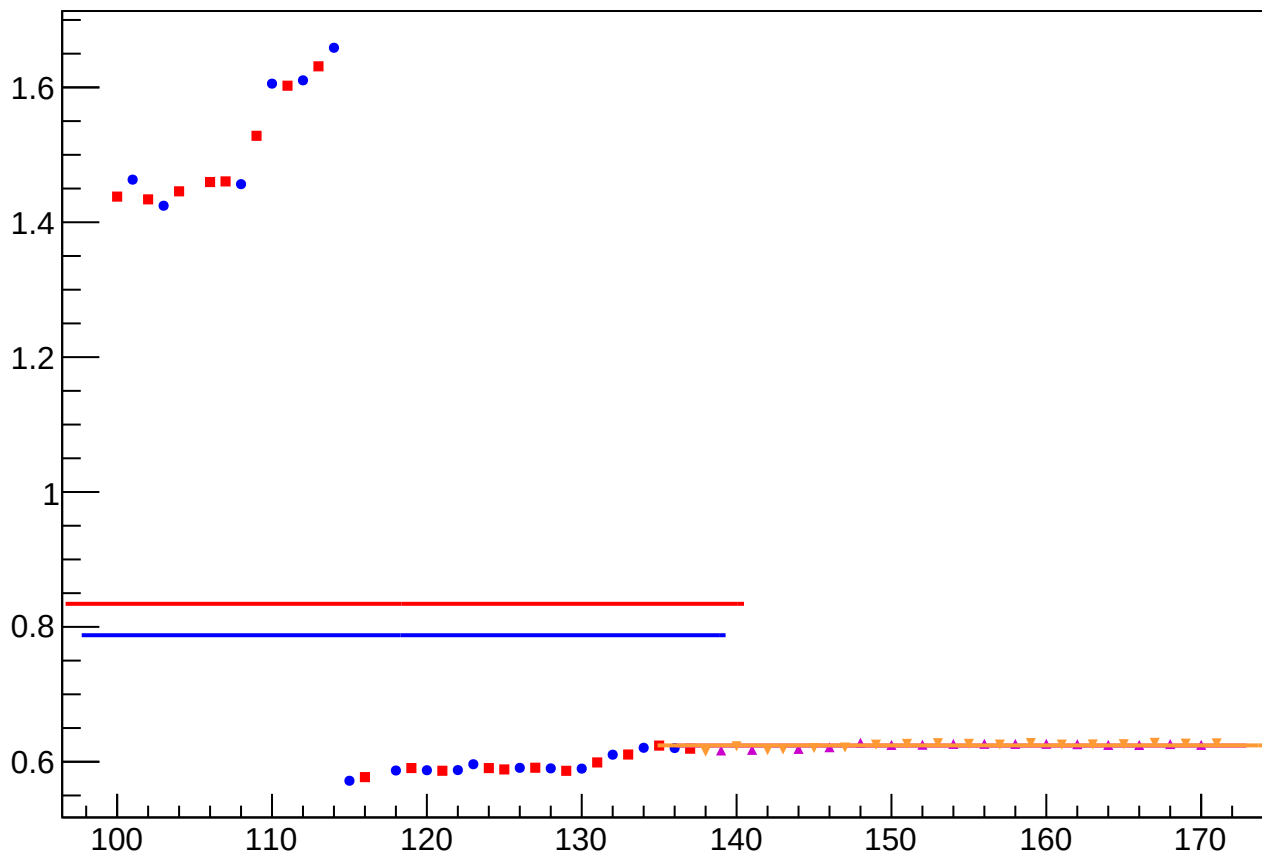
Right: 0.023 $\pm$ 0.000 χ^2 /NDF: 2123609.7/35

In: 0.021 $\pm$ 0.000 χ^2 /NDF:1541719.1/32

Out: 0.021 $\pm$ 0.000 χ^2 /NDF:1718027.4/36

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3260002.2/69

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.624 $\pm$ 0.000 χ^2 /NDF:1230481.8/17

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:915502.0/15

Left: 0.624 $\pm$ 0.000 χ^2 /NDF: 2149824.5/33

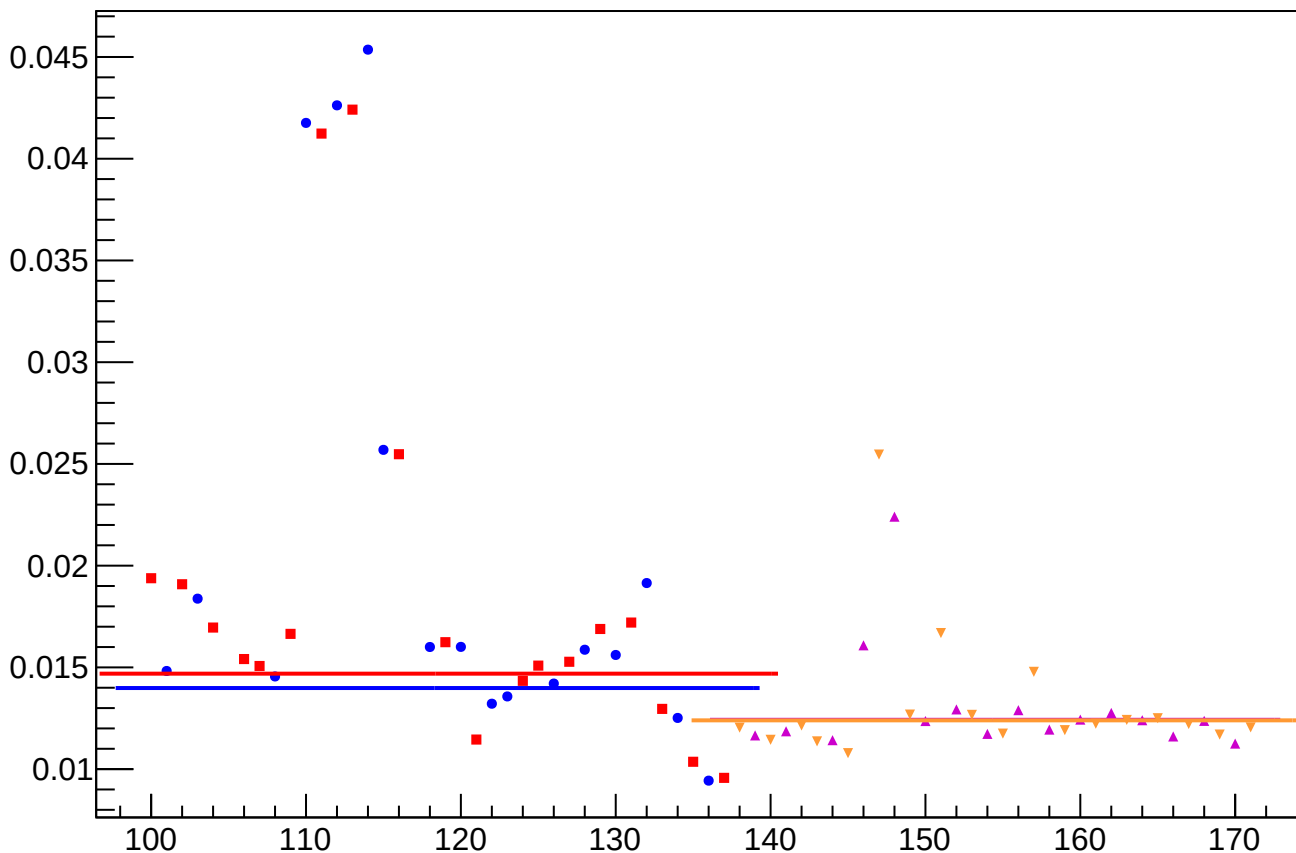
Right: 0.811 $\pm$ 0.000 χ^2 /NDF: 7764167044.9/35

In: 0.668 $\pm$ 0.000 χ^2 /NDF:4143841179.4/32

Out: 0.677 $\pm$ 0.000 χ^2 /NDF:5072733727.2/36

All: 0.673 $\pm$ 0.000 χ^2 /NDF: 9220609125.5/69

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 :596872.4/17

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

Left In: 0.012+/-0.000 χ^2/NDF :435977.7/15

Left: 0.012+/-0.000 χ^2/NDF : 1032908.7/33

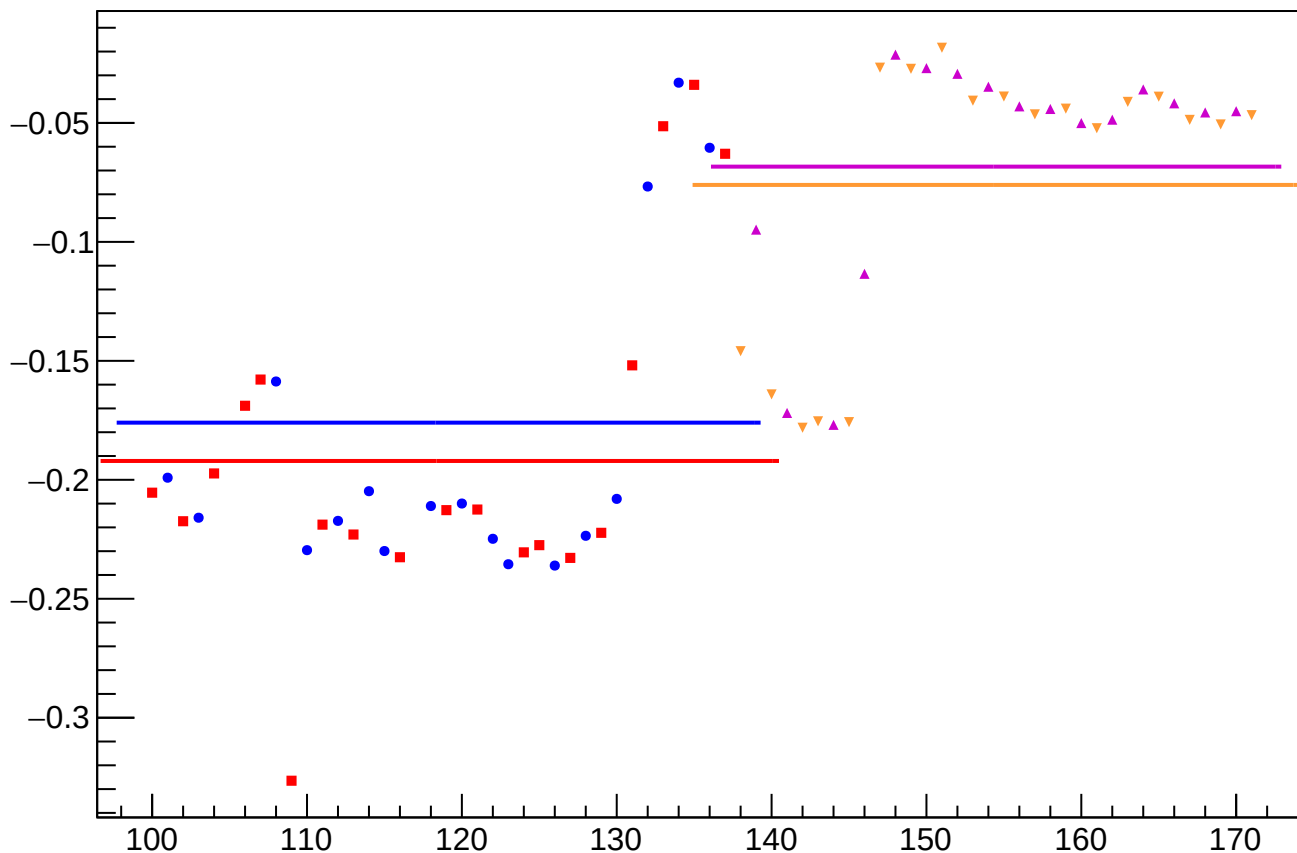
Right: 0.014+/-0.000 χ^2/NDF : 2671110.0/35

In: 0.013+/-0.000 χ^2/NDF :1936699.1/32

Out: 0.013+/-0.000 χ^2/NDF :2075050.7/36

All: 0.013+/-0.000 χ^2/NDF : 4013455.7/69

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.076+/-0.000 χ^2/NDF :100967154.5/17

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

Left In: -0.068+/-0.000 χ^2/NDF :75493045.7/15

Left: -0.072+/-0.000 χ^2/NDF : 177282042.9/33

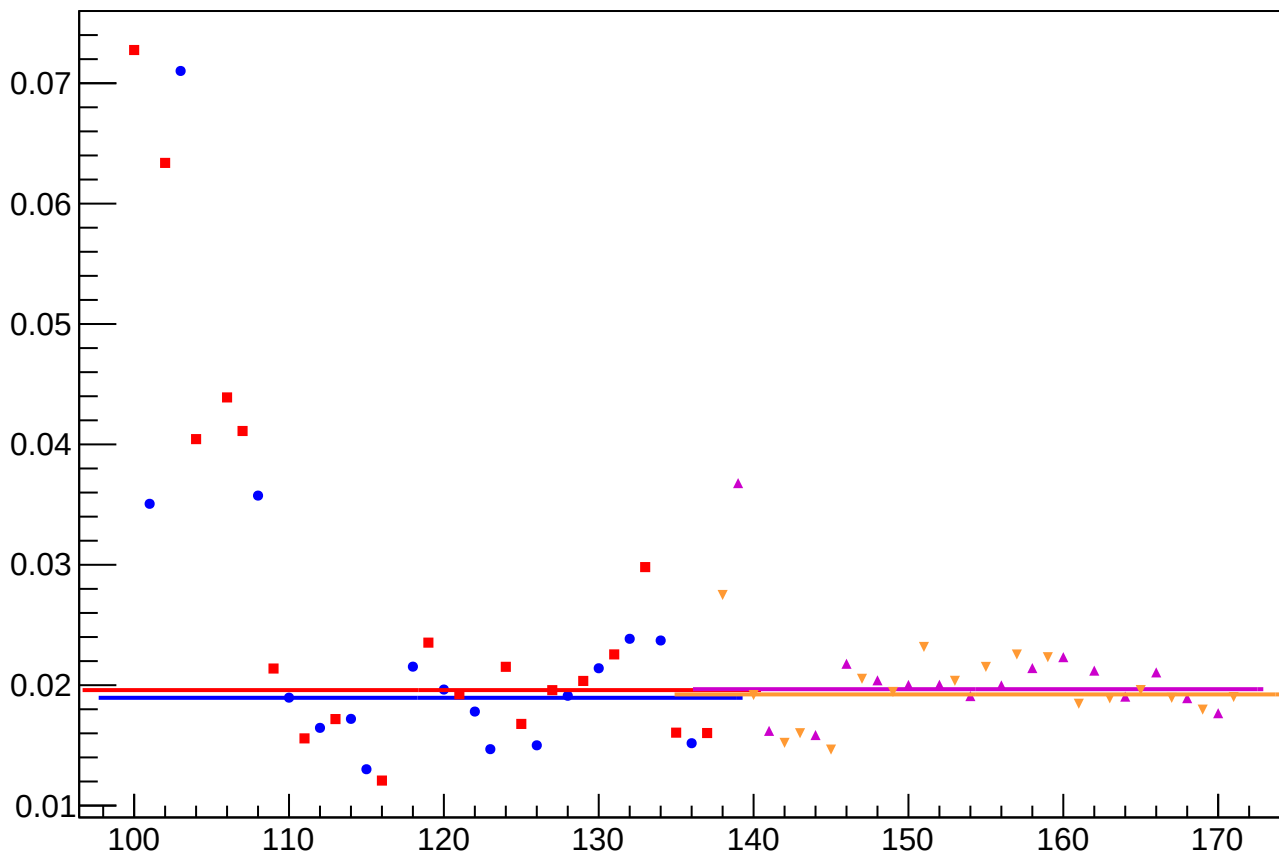
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.105+/-0.000 χ^2/NDF :250235938.7/32

Out: -0.112+/-0.000 χ^2/NDF :308905473.5/36

All: -0.109+/-0.000 χ^2/NDF : 560184331.4/69

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 : 425518.1/17

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.020+/-0.000 χ^2/NDF : 515475.1/15

Left: 0.019+/-0.000 χ^2/NDF : 946245.0/33

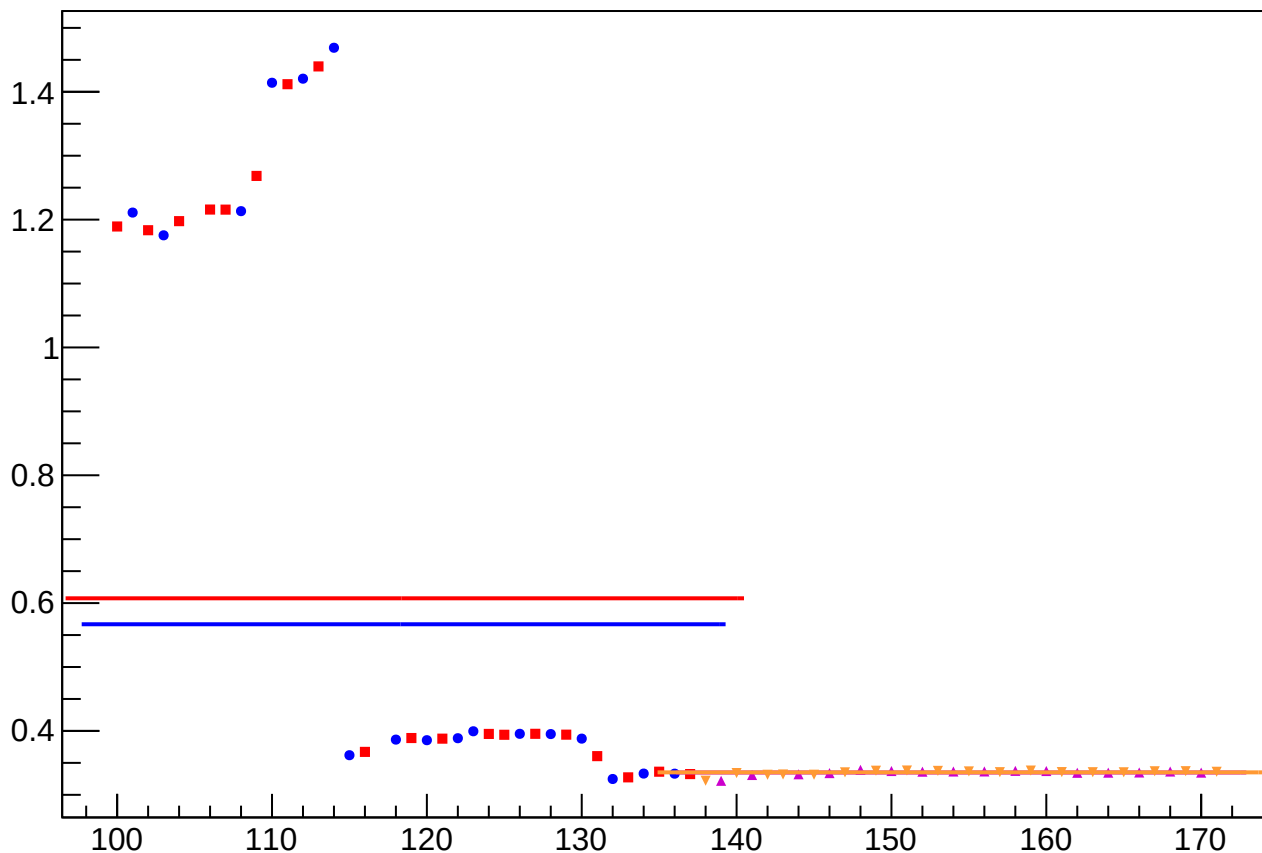
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.019+/-0.000 χ^2/NDF : 1728024.2/32

Out: 0.019+/-0.000 χ^2/NDF : 1883224.2/36

All: 0.019+/-0.000 χ^2/NDF : 3611486.4/69

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1130077.2/17

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1168867.8/15

Left: 0.335 $\pm$ 0.000 χ^2 /NDF: 2301630.6/33

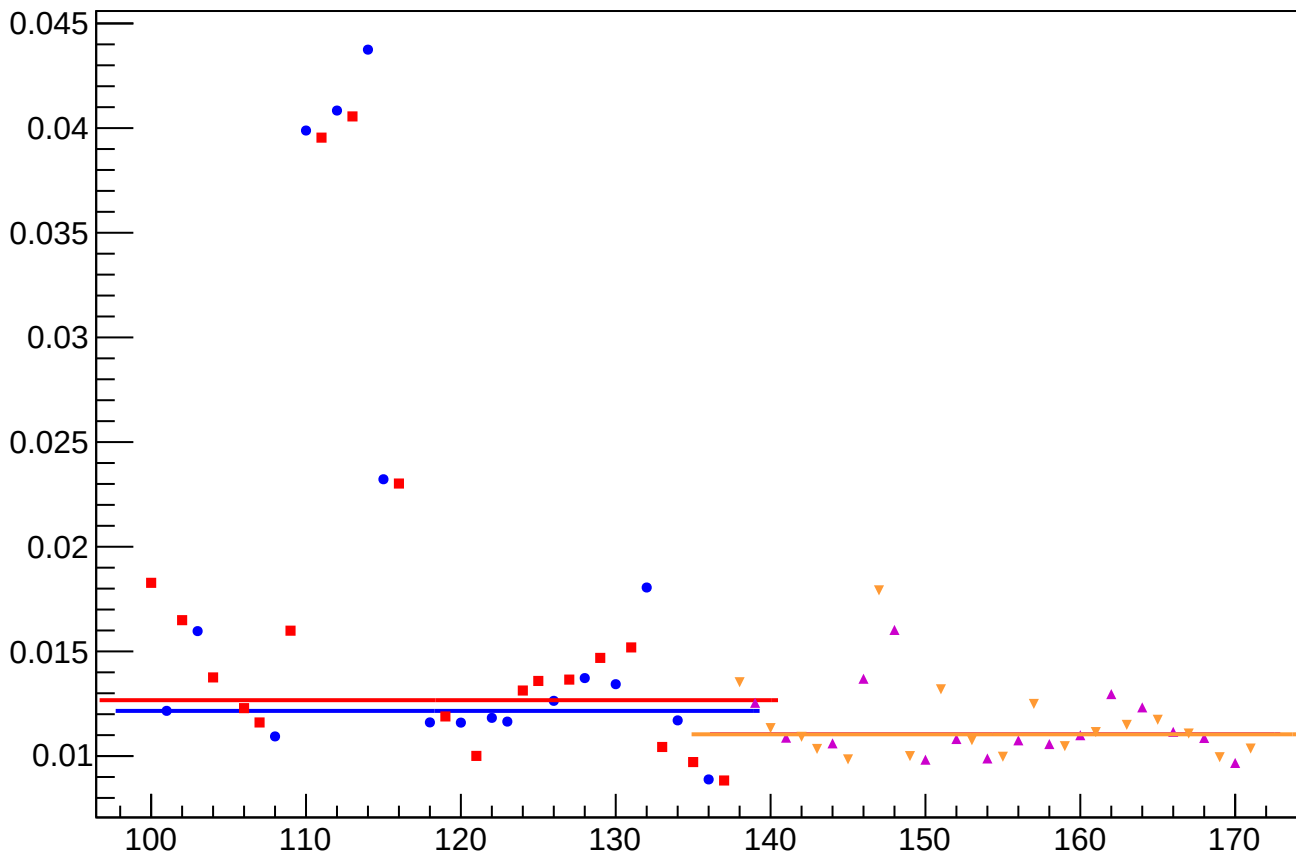
Right: 0.587 $\pm$ 0.000 χ^2 /NDF: 10552855690.4/35

In: 0.400 $\pm$ 0.000 χ^2 /NDF:6485580905.4/32

Out: 0.406 $\pm$ 0.000 χ^2 /NDF:7521077227.3/36

All: 0.403 $\pm$ 0.000 χ^2 /NDF: 14008926843.0/66

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:428346.5/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:357636.1/15

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 786001.8/33

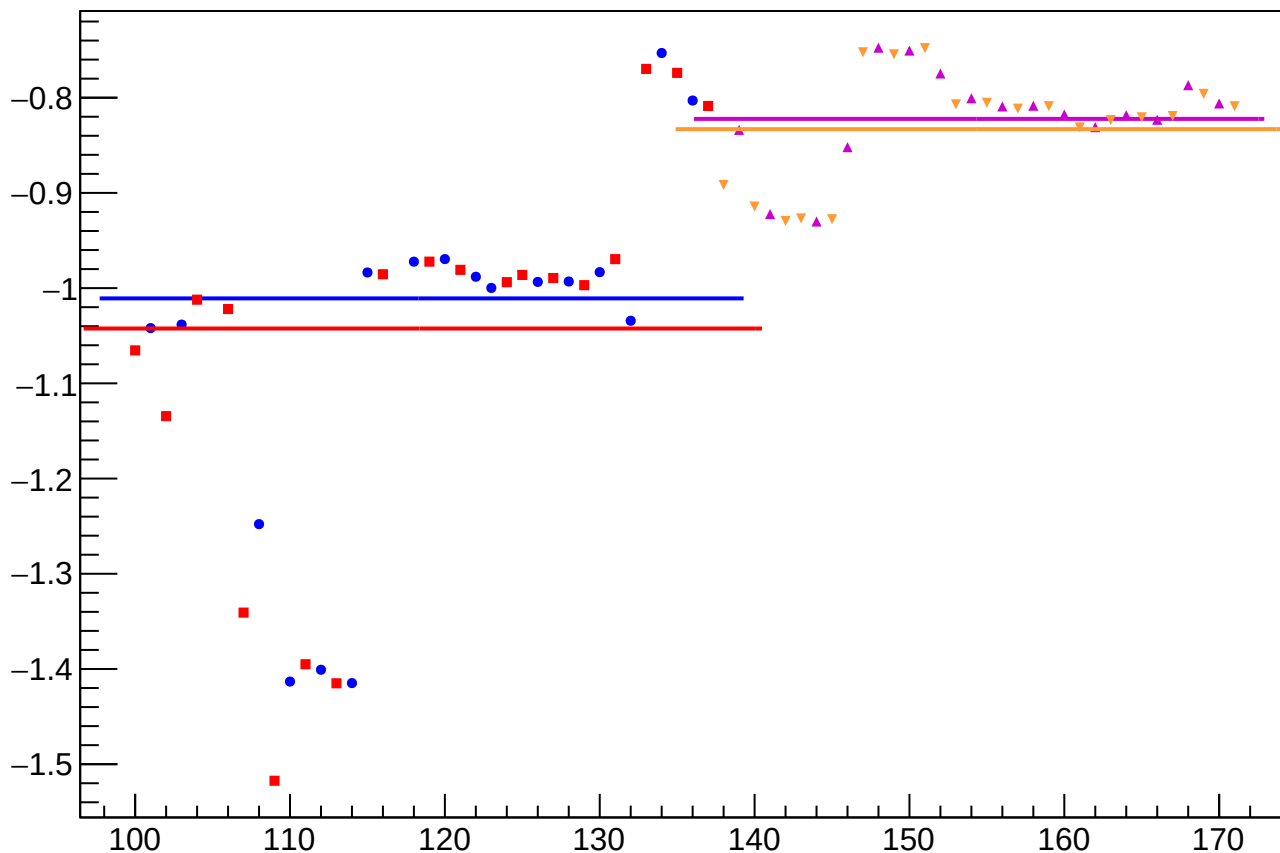
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2584926.4/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:1732083.4/32

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1839850.7/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3573281.8/69

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.833+/-0.000 χ^2/NDF : 97620487.2/17

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

Left In: -0.822+/-0.000 χ^2/NDF : 73593016.2/15

Left: -0.828+/-0.000 χ^2/NDF : 172789217.0/33

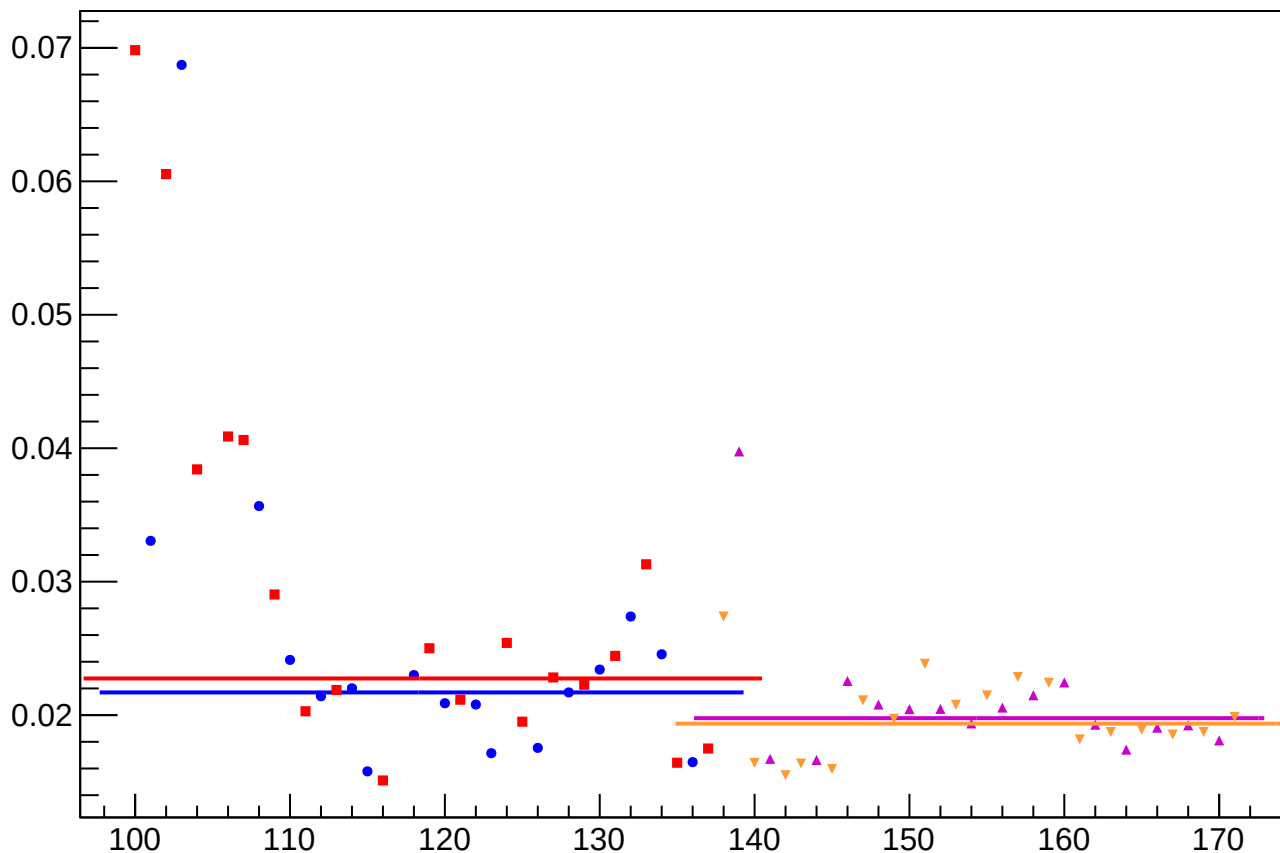
Right: -1.026+/-0.000 χ^2/NDF : 921337924.7/35

In: -0.878+/-0.000 χ^2/NDF : 729155404.9/32

Out: -0.888+/-0.000 χ^2/NDF : 958137969.7/36

All: -0.883+/-0.000 χ^2/NDF : 1689352701.1/6

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 979293.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:396711.1/17

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152332.6/18

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:536244.9/15

Left: 0.020 $\pm$ 0.000 χ^2 /NDF: 937553.2/33

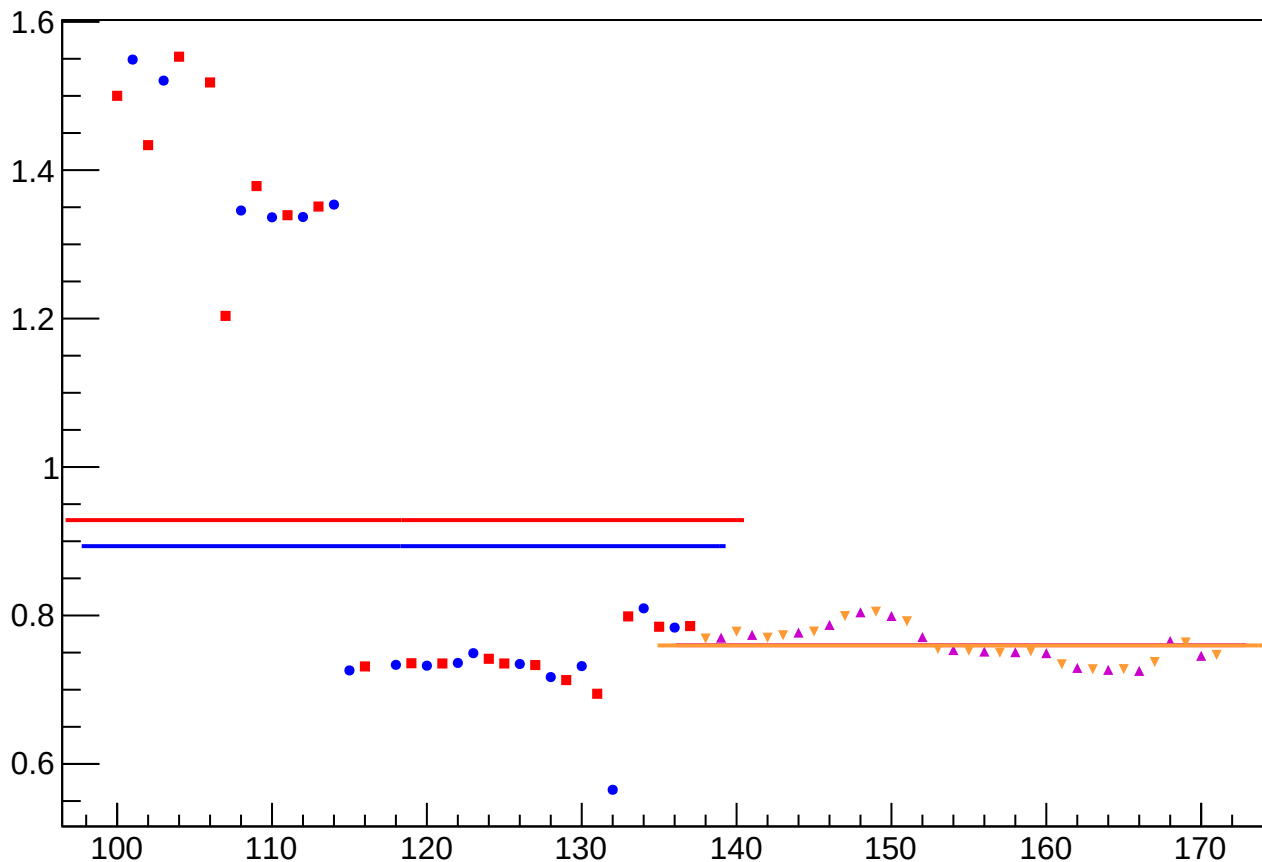
Right: 0.022 $\pm$ 0.000 χ^2 /NDF: 2143091.8/35

In: 0.020 $\pm$ 0.000 χ^2 /NDF:1571706.5/32

Out: 0.020 $\pm$ 0.000 χ^2 /NDF:1722475.1/36

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3294470.0/69

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.760 $\pm$ 0.000 χ^2/NDF :37422966.9/17

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2435640156.0/18

Left In: 0.760 $\pm$ 0.000 χ^2/NDF :33992764.2/15

Left: 0.760 $\pm$ 0.000 χ^2/NDF : 71421862.2/33

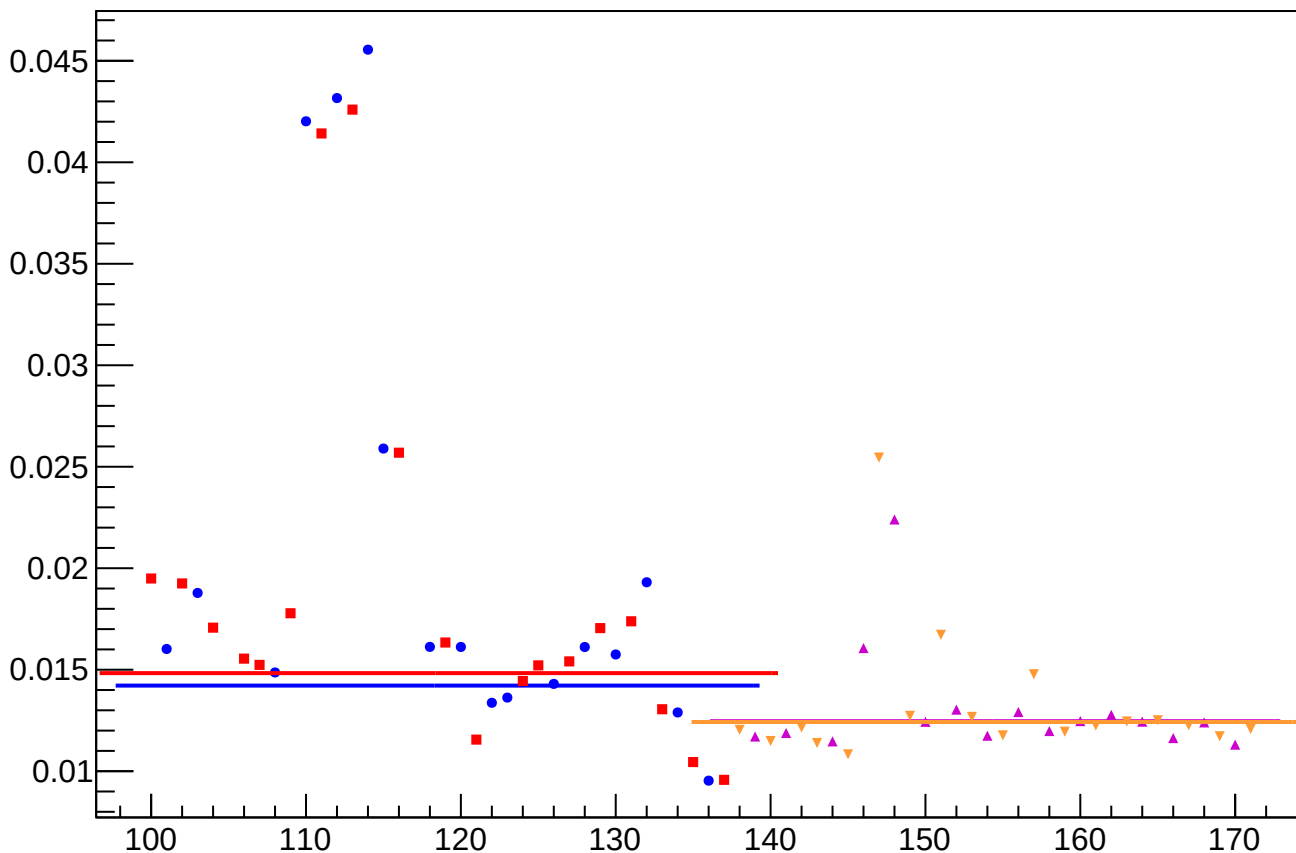
Right: 0.911 $\pm$ 0.000 χ^2/NDF : 4860512064.2/35

In: 0.795 $\pm$ 0.000 χ^2/NDF :2803727555.5/32

Out: 0.801 $\pm$ 0.000 χ^2/NDF :3056646694.1/36

All: 0.798 $\pm$ 0.000 χ^2/NDF : 5862353271.7/69

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012+/-0.000 χ^2/NDF :592267.6/17

Right Out: 0.015+/-0.000 χ^2/NDF : 1269559.2/18

Left In: 0.012+/-0.000 χ^2/NDF :431126.6/15

Left: 0.012+/-0.000 χ^2/NDF : 1023517.1/33

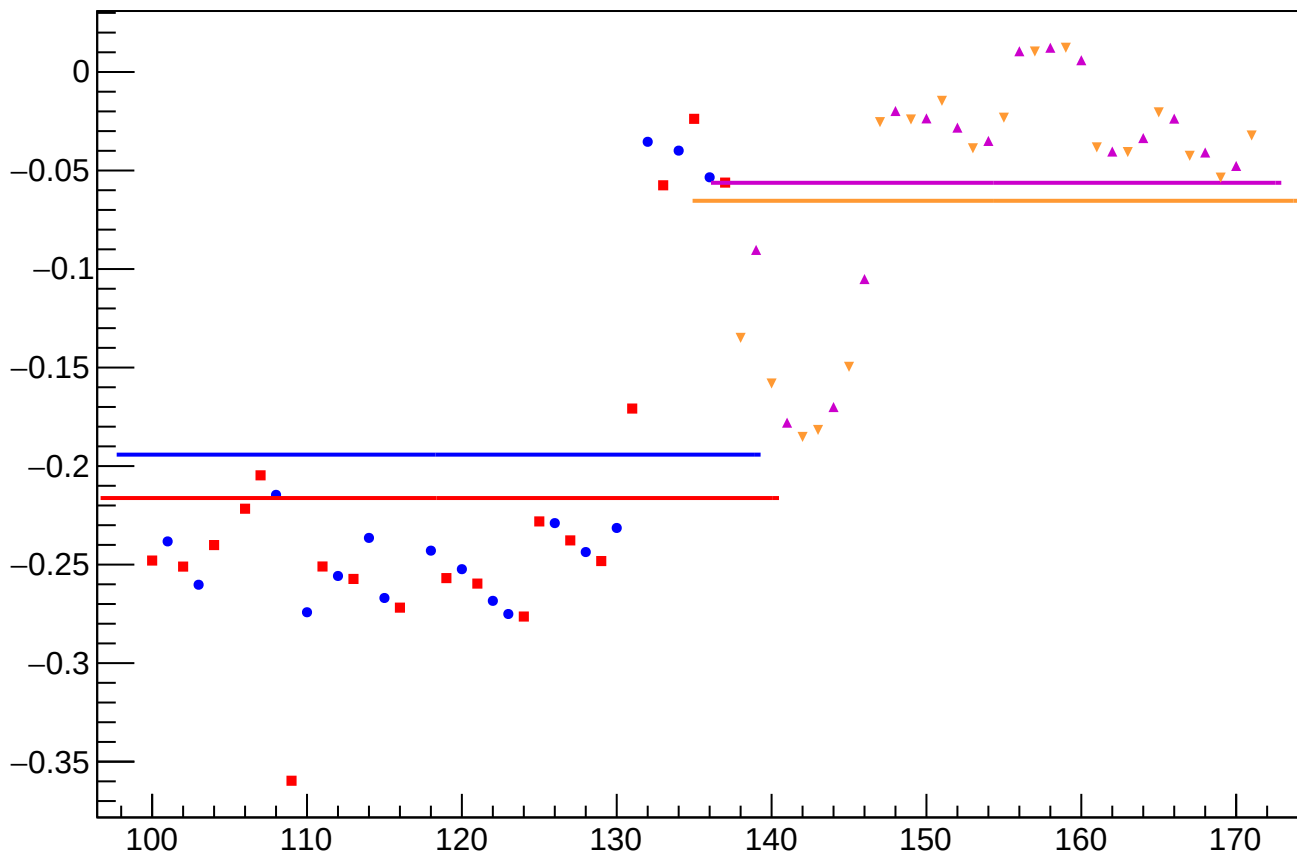
Right: 0.015+/-0.000 χ^2/NDF : 2689500.8/35

In: 0.013+/-0.000 χ^2/NDF :1965896.0/32

Out: 0.013+/-0.000 χ^2/NDF :2099261.4/36

All: 0.013+/-0.000 χ^2/NDF : 4066066.2/69

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194 ± 0.000 $\chi^2/\text{NDF}: 108425823.4/16$

Left Out: -0.065 ± 0.000 $\chi^2/\text{NDF}: 117173163.9/17$

Right Out: -0.216 ± 0.000 $\chi^2/\text{NDF}: 111036295.0/18$

Left In: -0.056 ± 0.000 $\chi^2/\text{NDF}: 97454047.3/15$

Left: -0.061 ± 0.000 $\chi^2/\text{NDF}: 215788384.8/33$

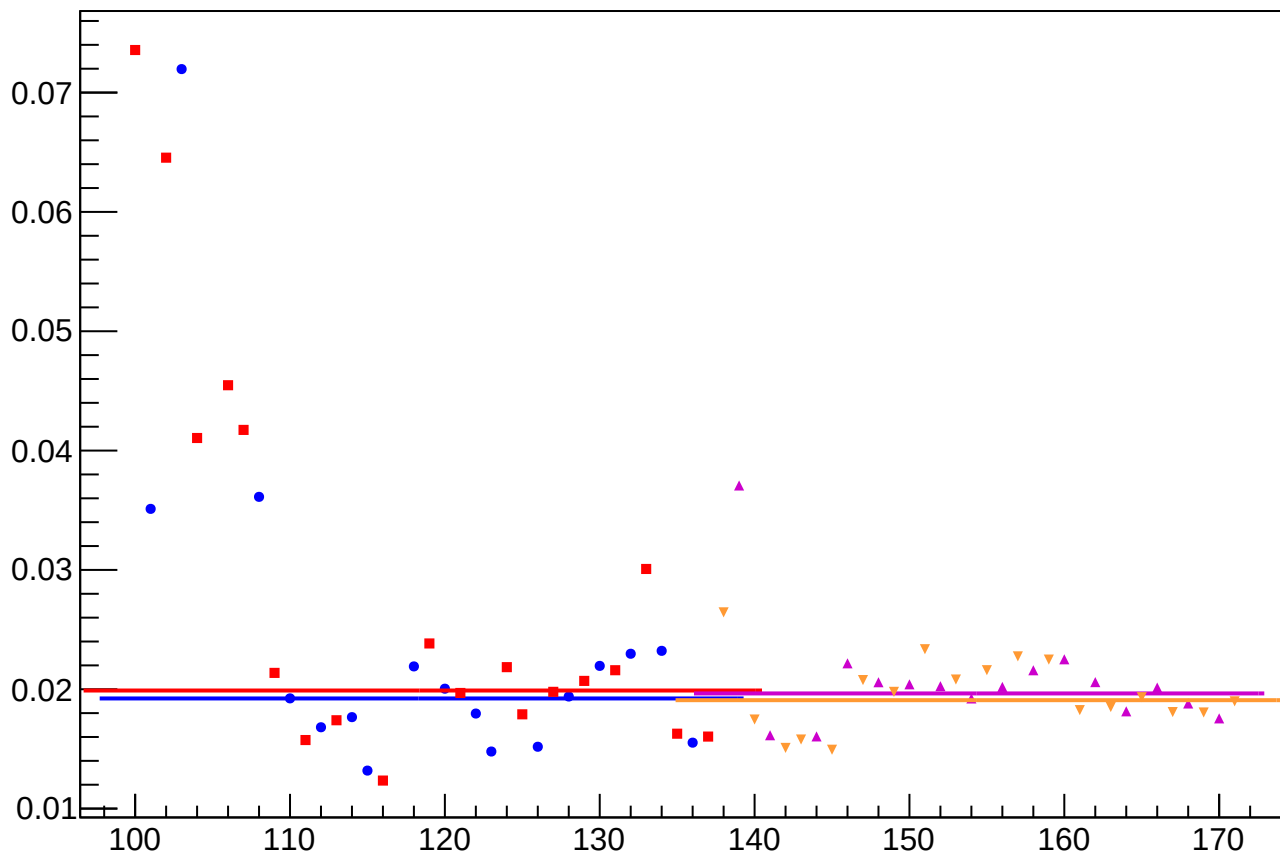
Right: -0.205 ± 0.000 $\chi^2/\text{NDF}: 222671892.3/35$

In: -0.103 ± 0.000 $\chi^2/\text{NDF}: 374500896.6/32$

Out: -0.111 ± 0.000 $\chi^2/\text{NDF}: 434918906.6/36$

All: -0.107 ± 0.000 $\chi^2/\text{NDF}: 810874178.2/69$

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 : 430745.7/17

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 526575.5/15

Left: 0.019+/-0.000 χ^2/NDF : 966224.5/33

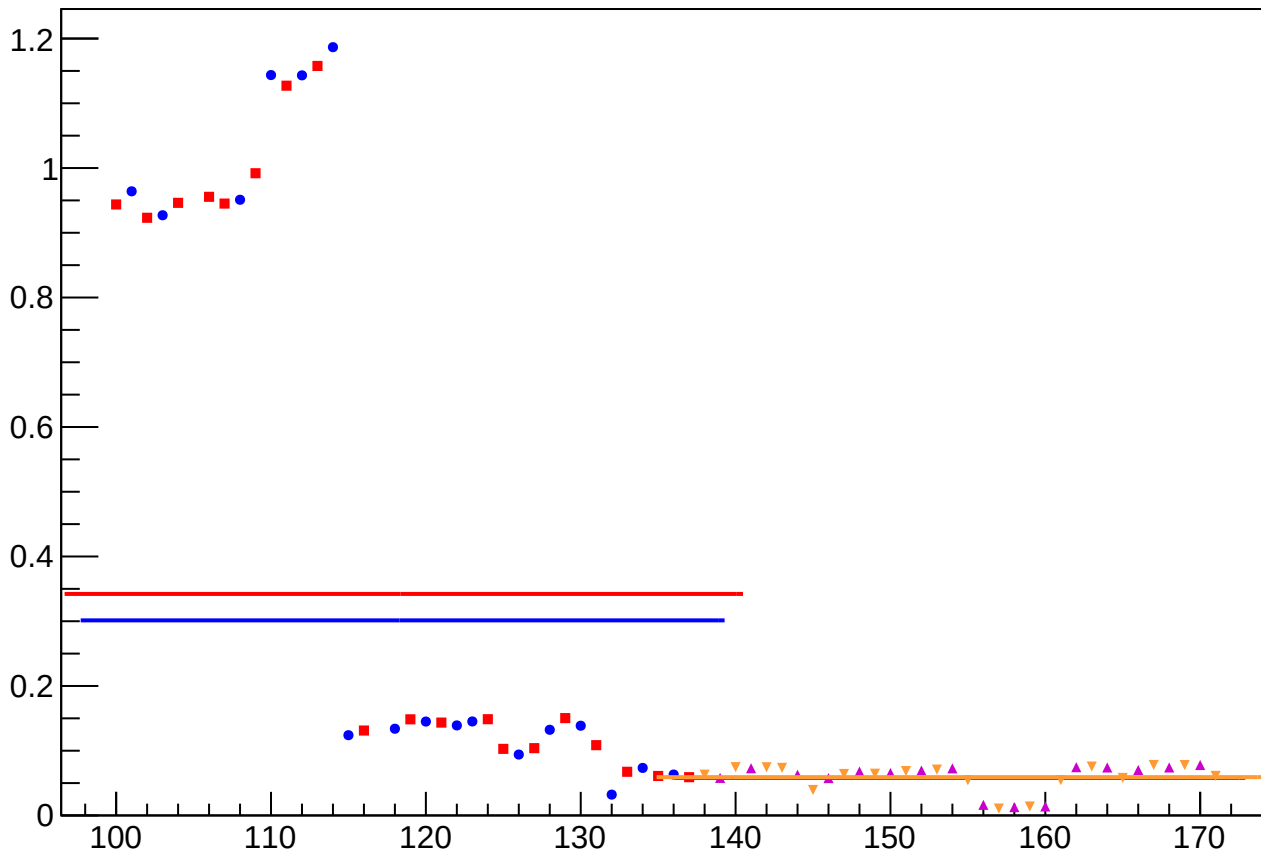
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.020+/-0.000 χ^2/NDF : 1704291.7/32

Out: 0.019+/-0.000 χ^2/NDF : 1887111.1/36

All: 0.019+/-0.000 χ^2/NDF : 3592673.2/69

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301 $\pm$ 0.000 χ^2 /NDF: 5154791073.8/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 43501129.1/17

Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 5442717599.3/18

Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 54807583.3/15

Left: 0.059 $\pm$ 0.000 χ^2 /NDF: 98391851.3/33

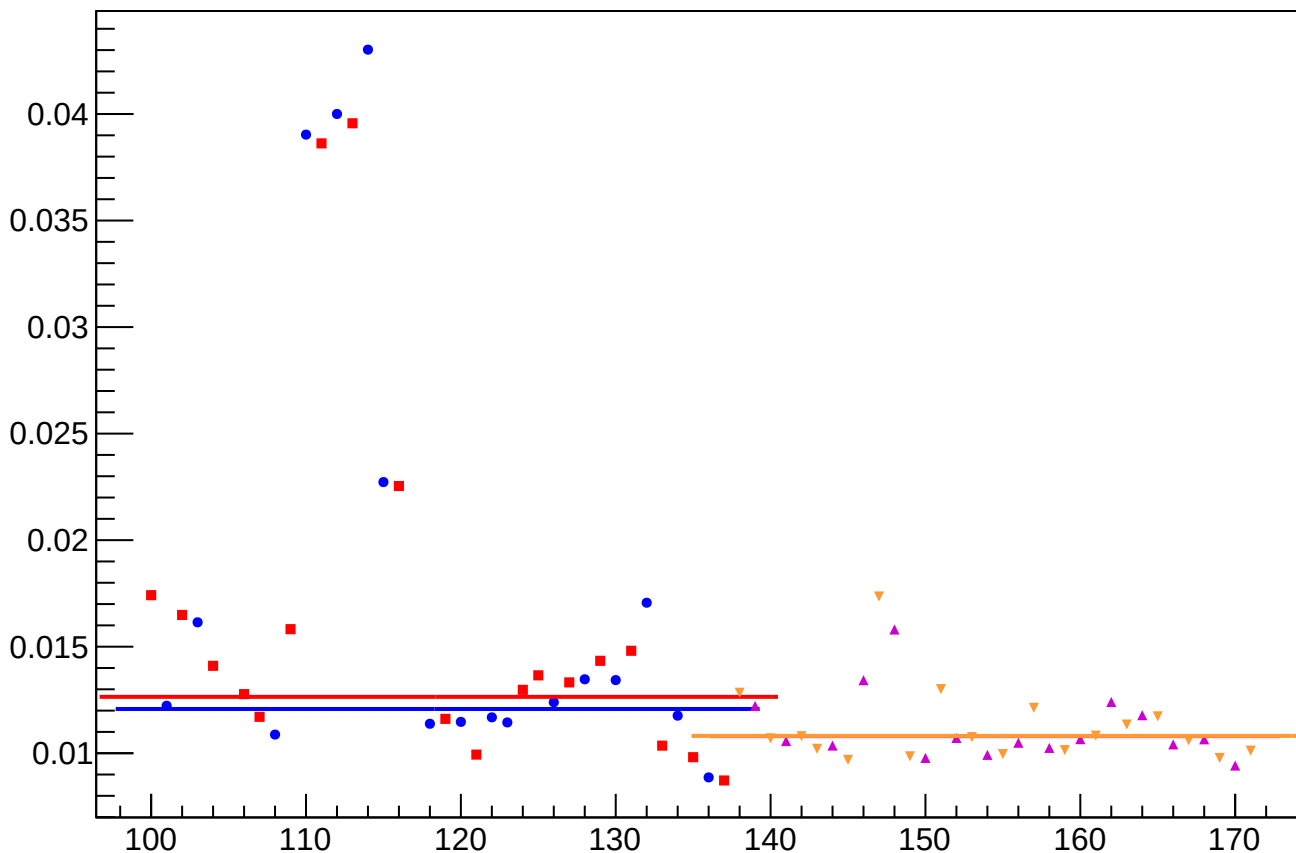
Right: 0.321 $\pm$ 0.000 χ^2 /NDF: 10628899850.1/35

In: 0.125 $\pm$ 0.000 χ^2 /NDF: 6862823379.0/32

Out: 0.130 $\pm$ 0.000 χ^2 /NDF: 7692519048.8/36

All: 0.128 $\pm$ 0.000 χ^2 /NDF: 14557648720.1/68

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 : 400444.5/17

Right Out: 0.013+/-0.000 χ^2/NDF : 1236084.9/18

Left In: 0.011+/-0.000 χ^2/NDF : 339338.2/15

Left: 0.011+/-0.000 χ^2/NDF : 739794.4/33

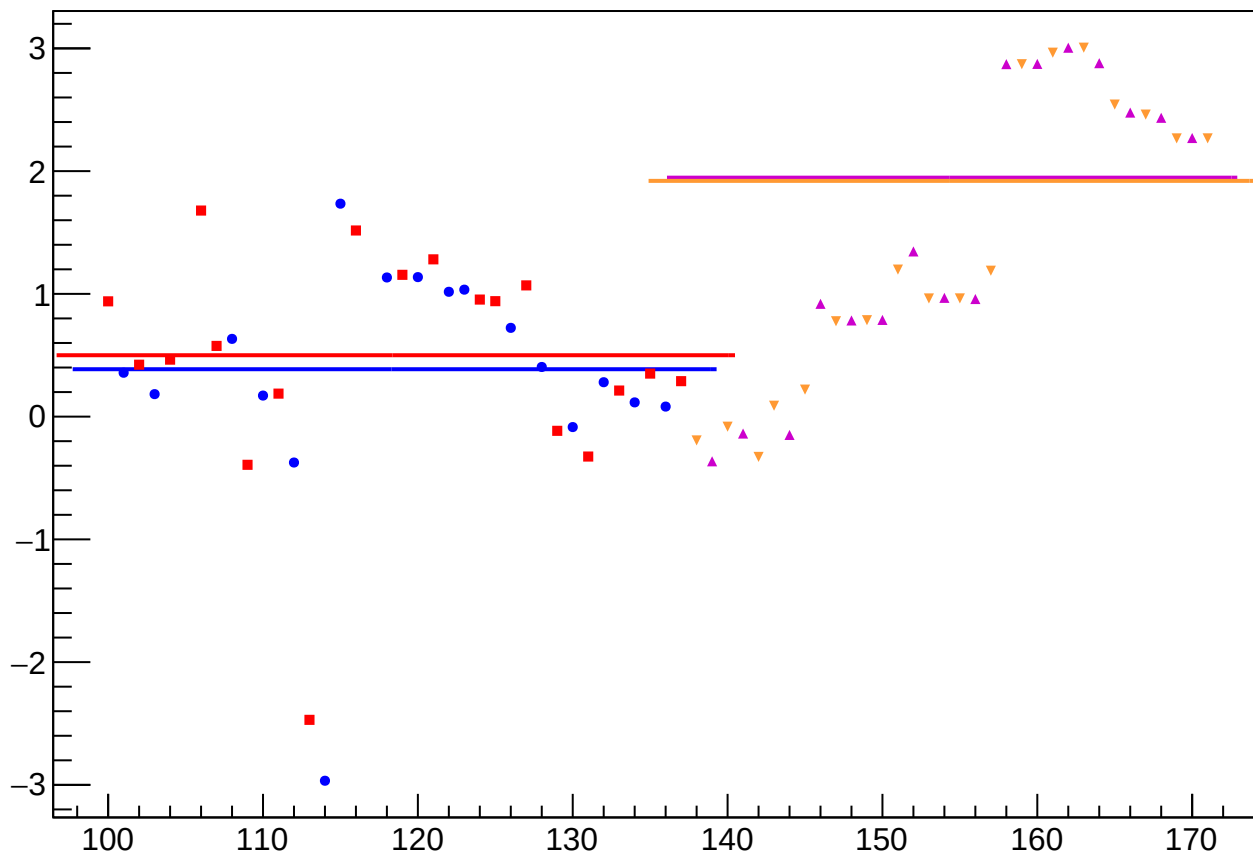
Right: 0.012+/-0.000 χ^2/NDF : 2528646.1/35

In: 0.011+/-0.000 χ^2/NDF : 1710324.9/32

Out: 0.011+/-0.000 χ^2/NDF : 1821829.5/36

All: 0.011+/-0.000 χ^2/NDF : 3534292.7/69

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.921+/-0.000 χ^2/NDF : 27099137809.0/17

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

Left In: 1.947+/-0.000 χ^2/NDF : 28105225477.4/15

Left: 1.934+/-0.000 χ^2/NDF : 55215860844.6/33

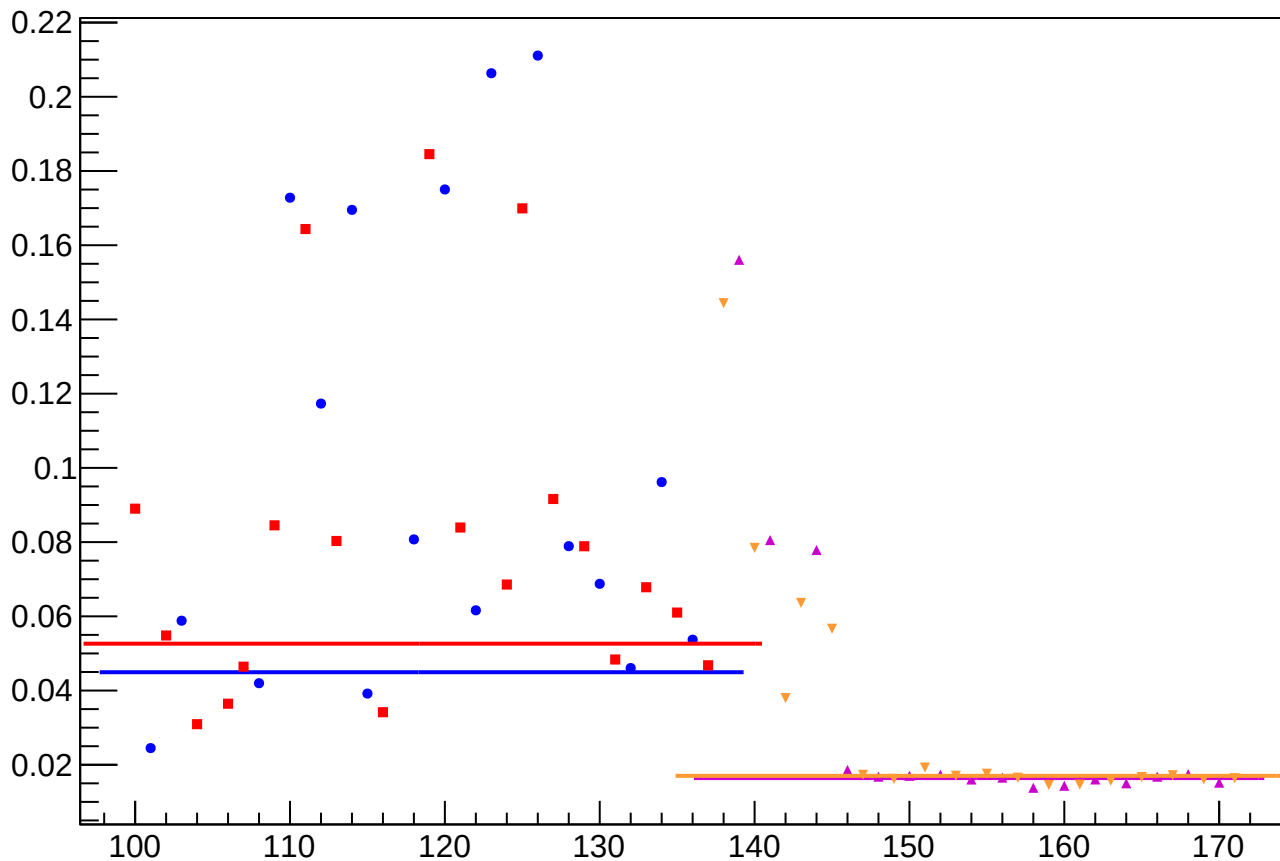
Right: 0.439+/-0.000 χ^2/NDF : 1240216918.3/35

In: 1.870+/-0.000 χ^2/NDF : 32399019918.6/32

Out: 1.860+/-0.000 χ^2/NDF : 30958330226.8/36

All: 1.866+/-0.000 χ^2/NDF : 63359123071.3/66

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2788348.6/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 2741988.0/17

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2191752.0/18

Left In: 0.016 $\pm$ 0.000 χ^2 /NDF: 2416699.9/15

Left: 0.017 $\pm$ 0.000 χ^2 /NDF: 5171081.5/33

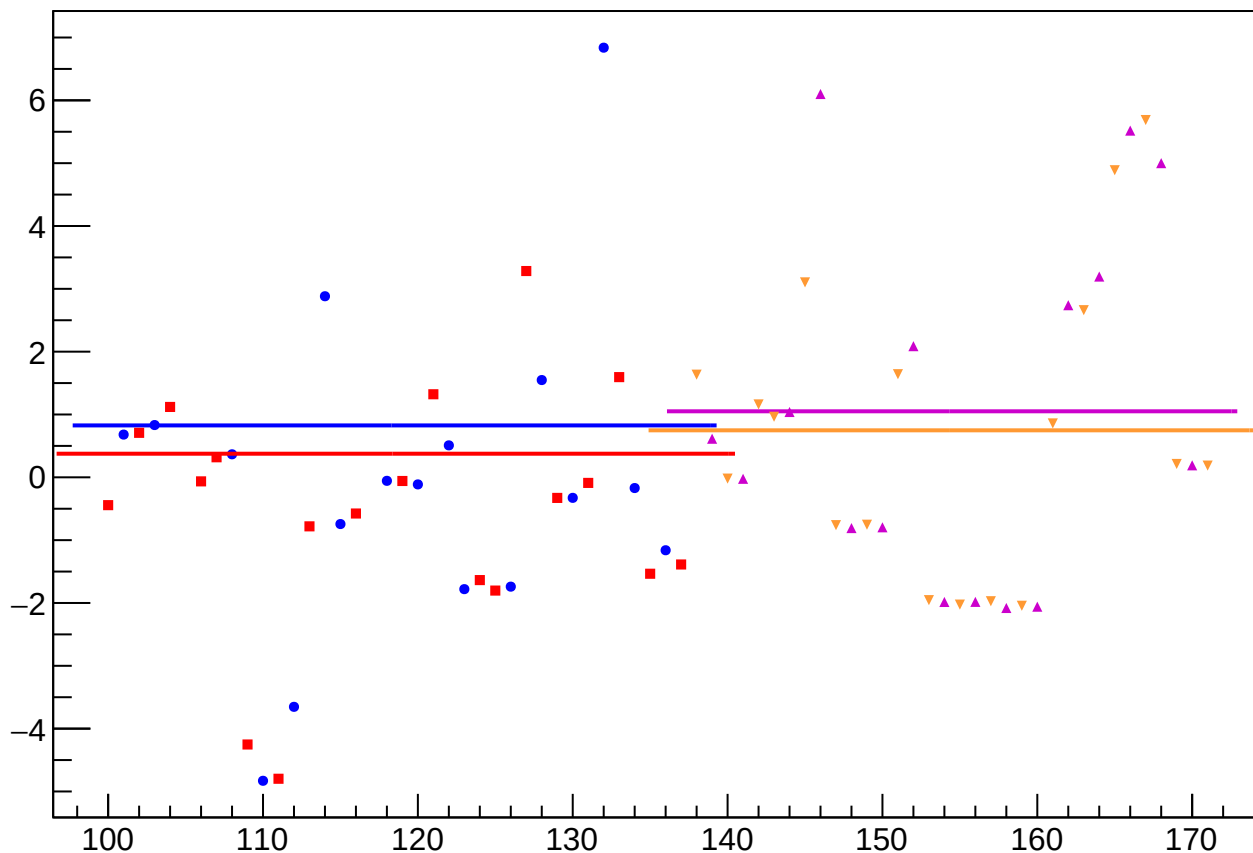
Right: 0.048 $\pm$ 0.000 χ^2 /NDF: 5075265.3/35

In: 0.018 $\pm$ 0.000 χ^2 /NDF: 7909042.9/32

Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 8548676.0/36

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 16476107.2/69

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000

χ^2/NDF : 10945455664.9/16

Left: 0.899+/-0.000 χ^2/NDF : 846145496992.7/33

Right: 0.614+/-0.000 χ^2/NDF : 16267855103.5/35

Left Out: 0.748+/-0.000

χ^2/NDF : 364726787987.1/17

In: 1.036+/-0.000 χ^2/NDF : 490040255498.9/32

Right Out: 0.376+/-0.000

χ^2/NDF : 4947158634.2/18

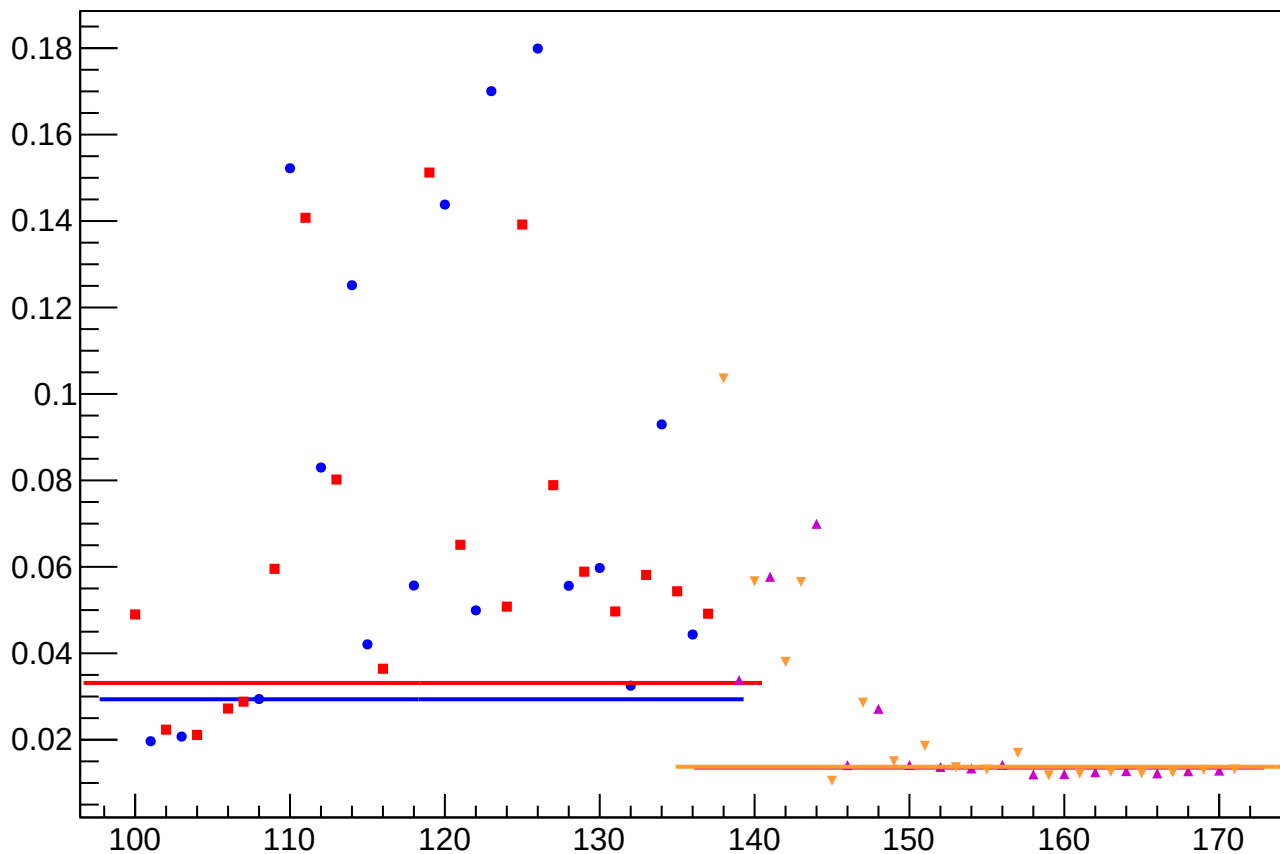
Out: 0.726+/-0.000 χ^2/NDF : 370129010427.6/36

Left In: 1.051+/-0.000

χ^2/NDF : 478909682520.4/15

All: 0.881+/-0.000 χ^2/NDF : 862976131624.7

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 :2844930.7/17

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

Left In: 0.014+/-0.000 χ^2/NDF :1894773.4/15

Left: 0.014+/-0.000 χ^2/NDF : 4741766.1/33

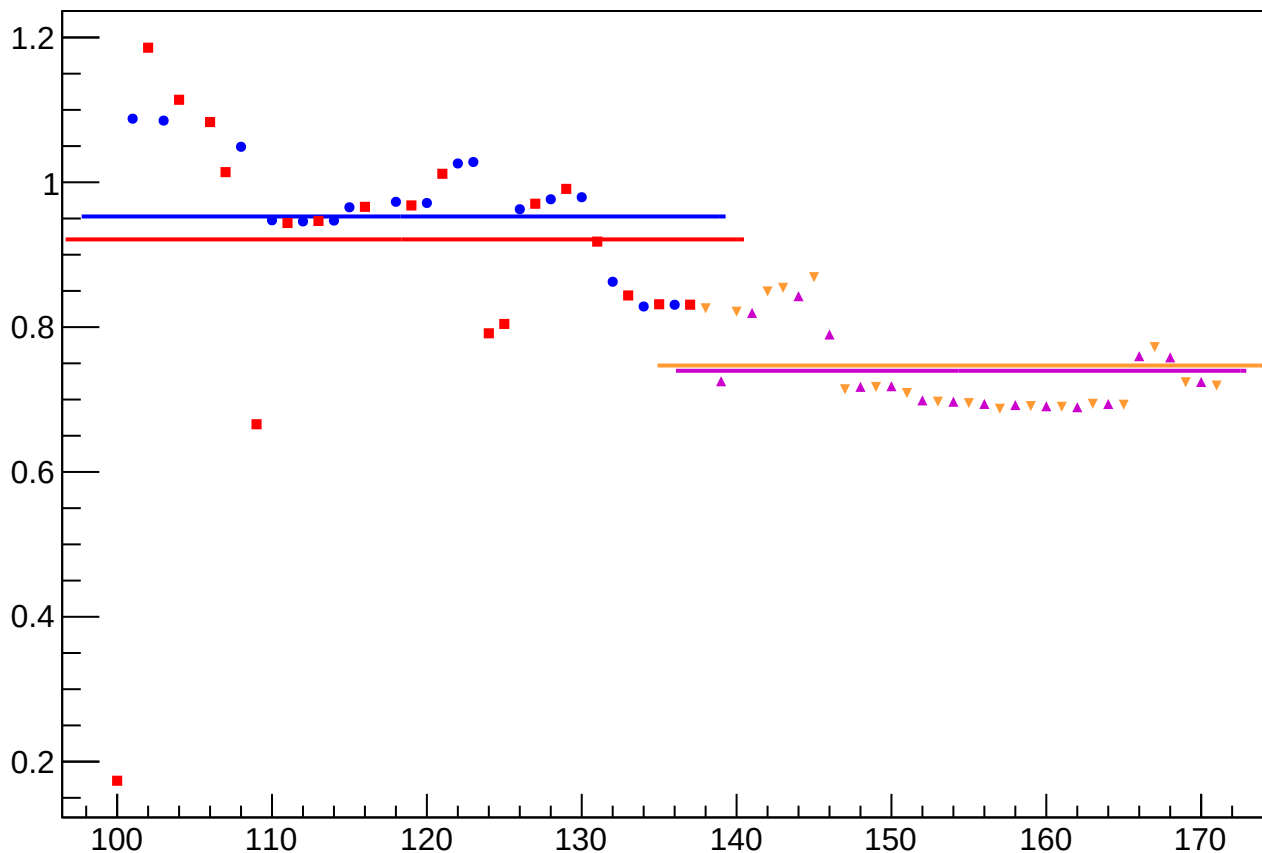
Right: 0.031+/-0.000 χ^2/NDF : 6139085.6/35

In: 0.015+/-0.000 χ^2/NDF :6716361.1/32

Out: 0.015+/-0.000 χ^2/NDF :8415092.9/36

All: 0.015+/-0.000 χ^2/NDF : 15136338.5/69

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.747 $\pm$ 0.000 χ^2 /NDF: 265391353.5/17

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

Left In: 0.740 $\pm$ 0.000 χ^2 /NDF: 157814928.8/15

Left: 0.744 $\pm$ 0.000 χ^2 /NDF: 424816183.3/33

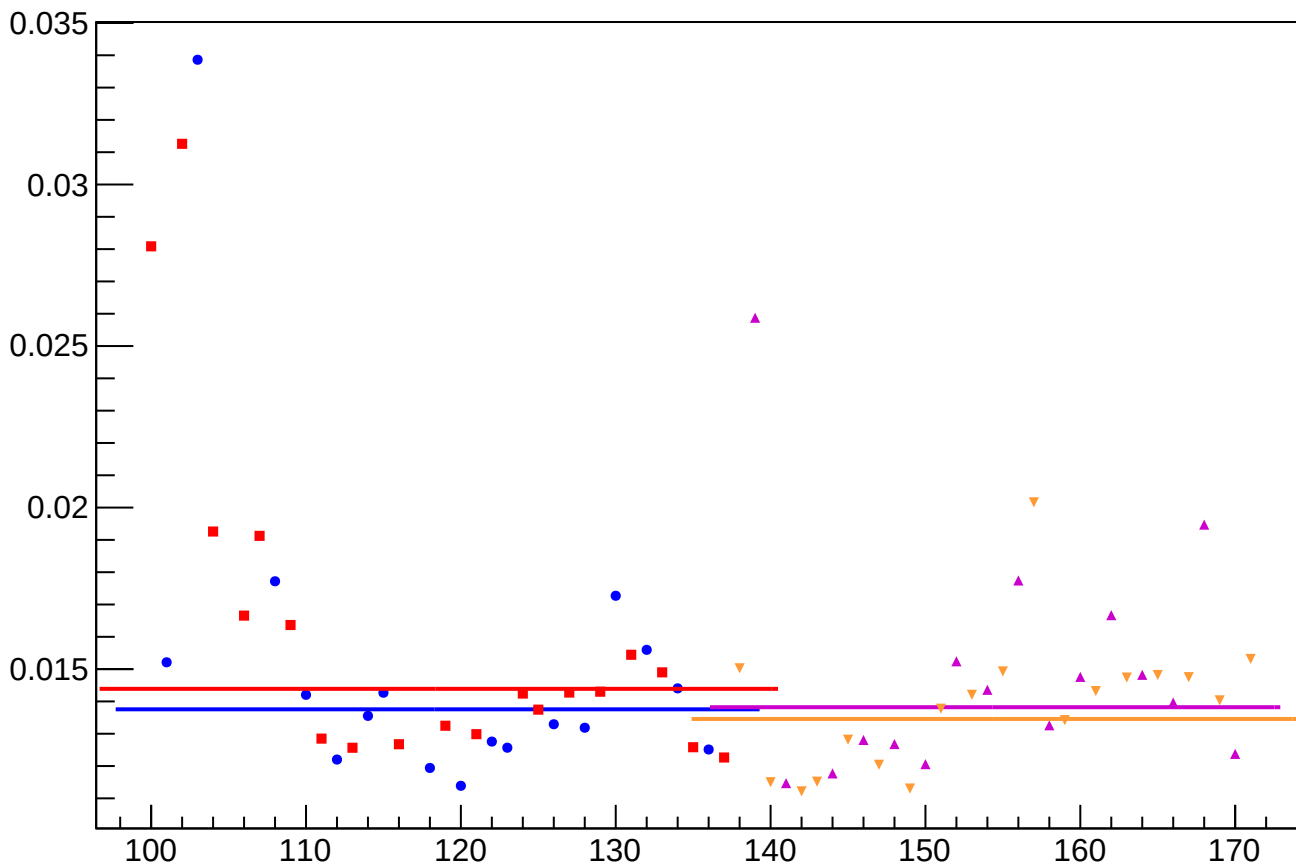
Right: 0.937 $\pm$ 0.000 χ^2 /NDF: 564889848.1/35

In: 0.813 $\pm$ 0.000 χ^2 /NDF: 1237112808.2/32

Out: 0.801 $\pm$ 0.000 χ^2 /NDF: 1251841331.0/36

All: 0.807 $\pm$ 0.000 χ^2 /NDF: 2495595001.1/69

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 :396041.1/17

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

Left In: 0.014+/-0.000 χ^2/NDF :750732.4/15

Left: 0.014+/-0.000 χ^2/NDF : 1154825.4/33

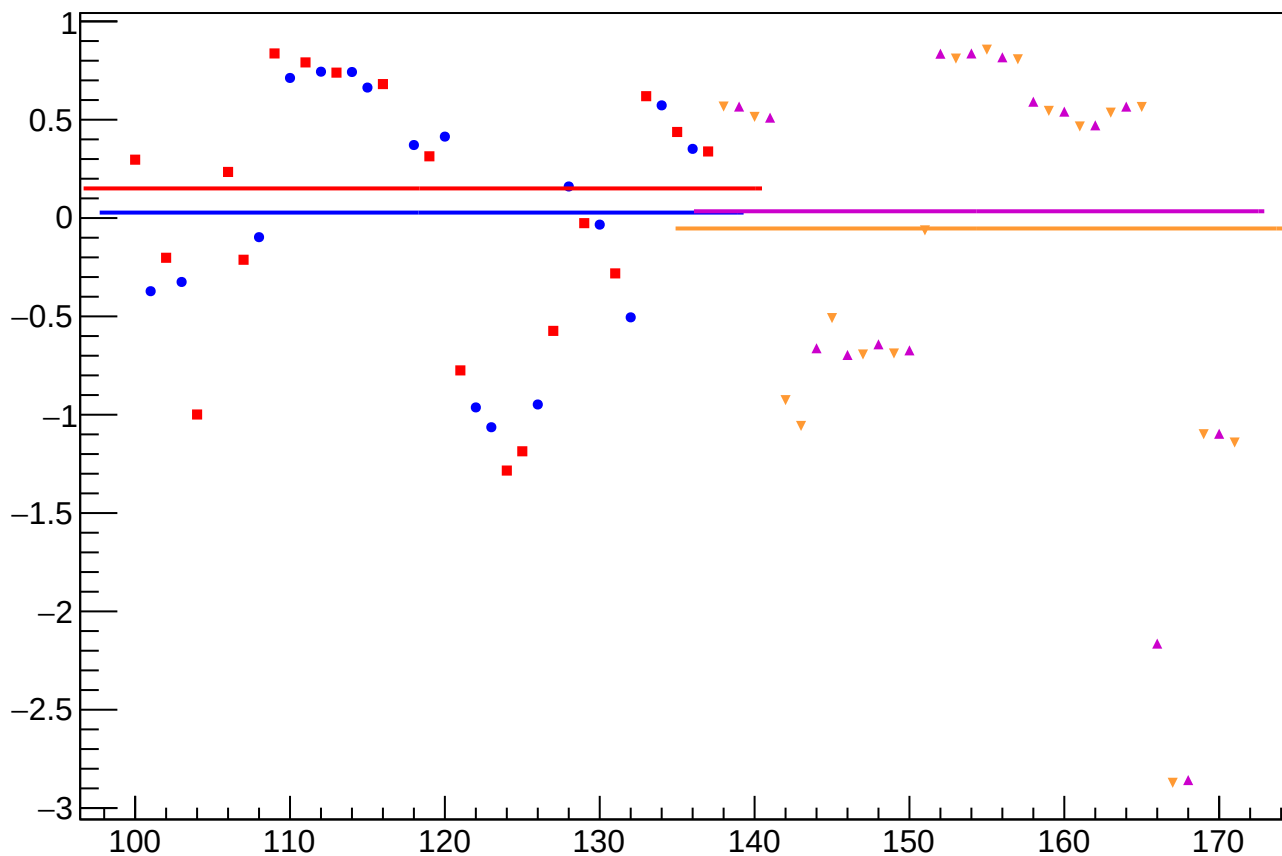
Right: 0.014+/-0.000 χ^2/NDF : 1054284.2/35

In: 0.014+/-0.000 χ^2/NDF :1289371.1/32

Out: 0.014+/-0.000 χ^2/NDF :934945.0/36

All: 0.014+/-0.000 χ^2/NDF : 2224545.3/69

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: -0.053+/-0.000 χ^2/NDF : 72209593641.9/17

Right Out: 0.151+/-0.000 χ^2/NDF : 12653743155.9/18

Left In: 0.034+/-0.000 χ^2/NDF : 77990237246.4/15

Left: -0.011+/-0.000 χ^2/NDF : 150502946193.3/33

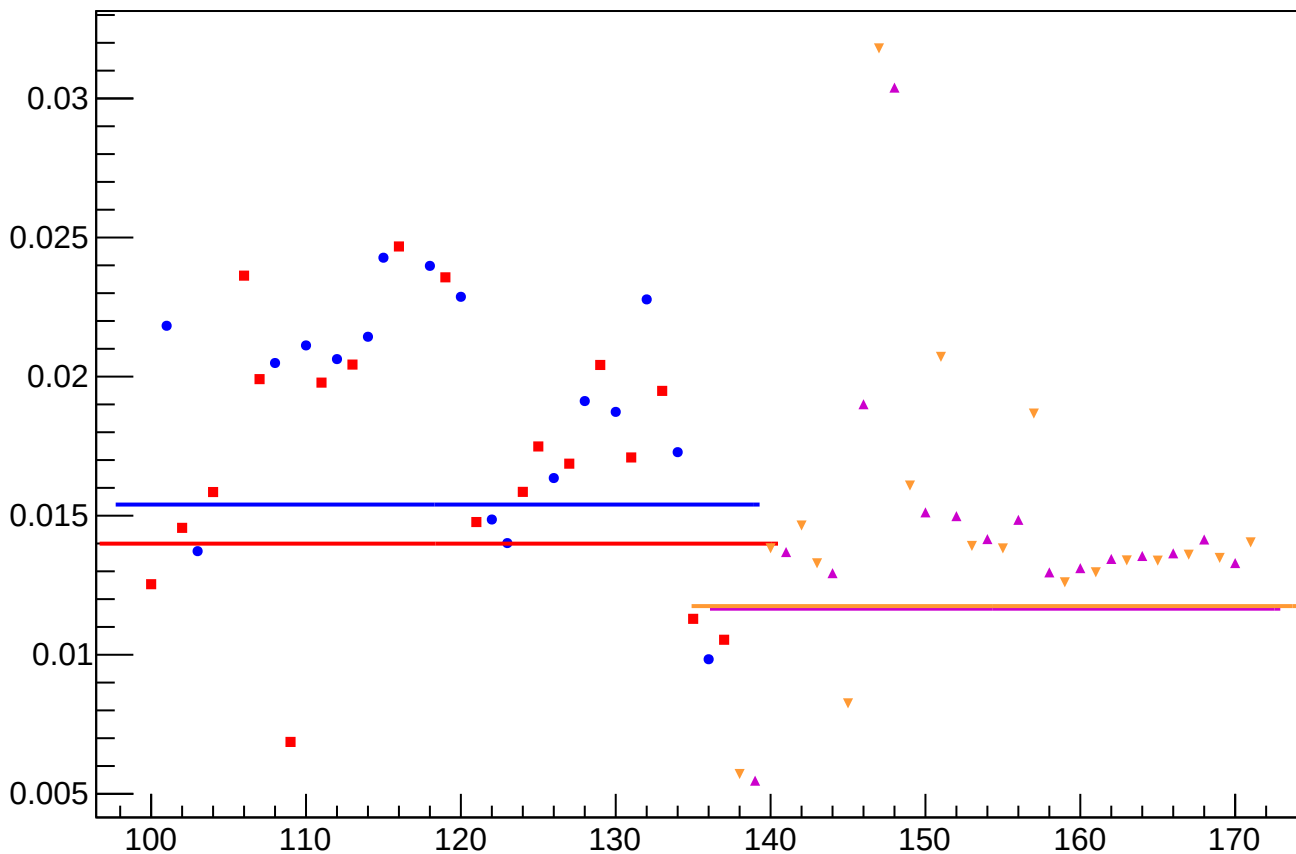
Right: 0.095+/-0.000 χ^2/NDF : 19125643372.9/35

In: 0.033+/-0.000 χ^2/NDF : 84267992009.5/32

Out: -0.000+/-0.000 χ^2/NDF : 85740012919.9/36

All: 0.016+/-0.000 χ^2/NDF : 170065496610.7

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3016952.3/17

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

Left In: 0.012+/-0.000 χ^2/NDF : 3033003.9/15

Left: 0.012+/-0.000 χ^2/NDF : 6050642.4/33

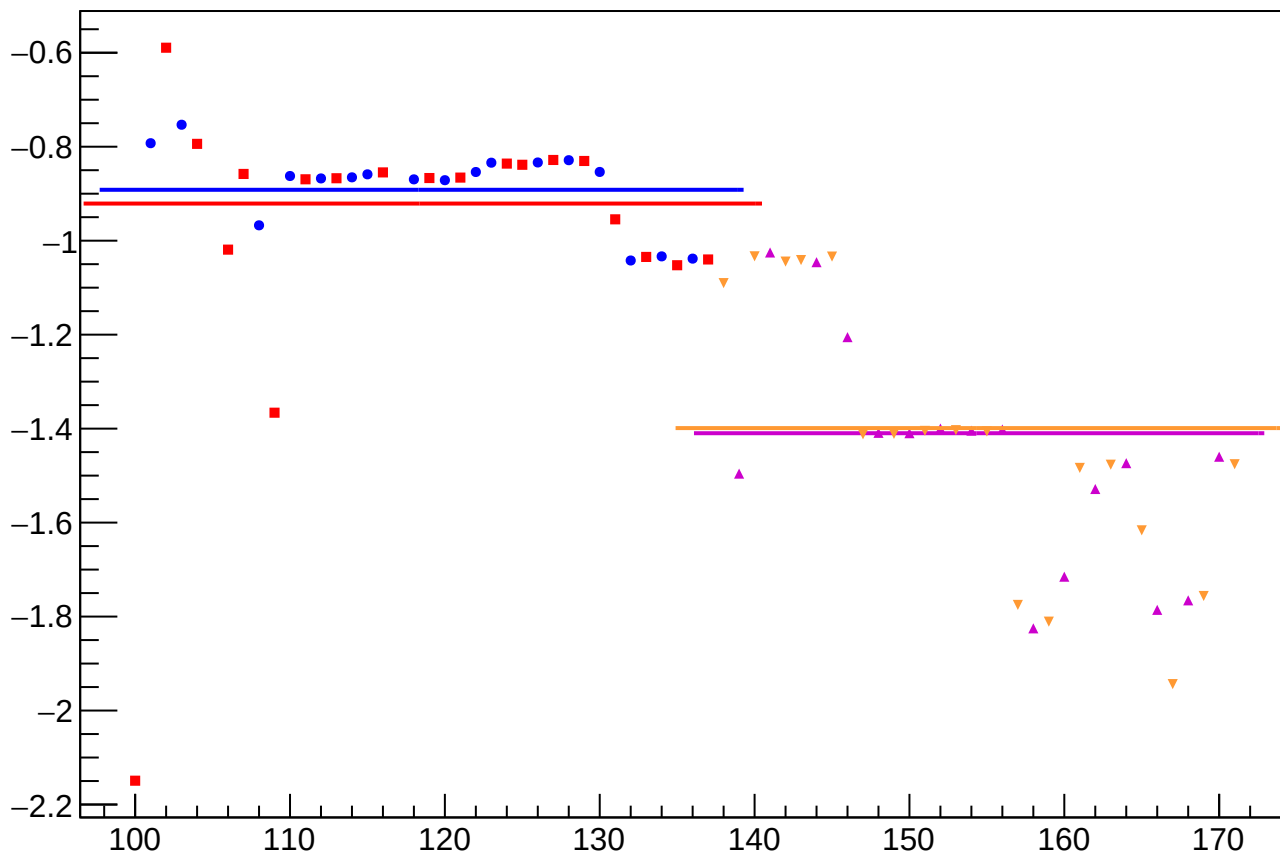
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.013+/-0.000 χ^2/NDF : 4681368.6/32

Out: 0.012+/-0.000 χ^2/NDF : 4791692.5/36

All: 0.012+/-0.000 χ^2/NDF : 9477340.6/69

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892 ± 0.000 $\chi^2/\text{NDF}: 39793337.2/16$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 714290327.0/17$

Right Out: -0.921 ± 0.000 $\chi^2/\text{NDF}: 131159330.1/18$

Left In: -1.410 ± 0.000 $\chi^2/\text{NDF}: 511150351.5/15$

Left: -1.404 ± 0.000 $\chi^2/\text{NDF}: 1225984869.8/33$

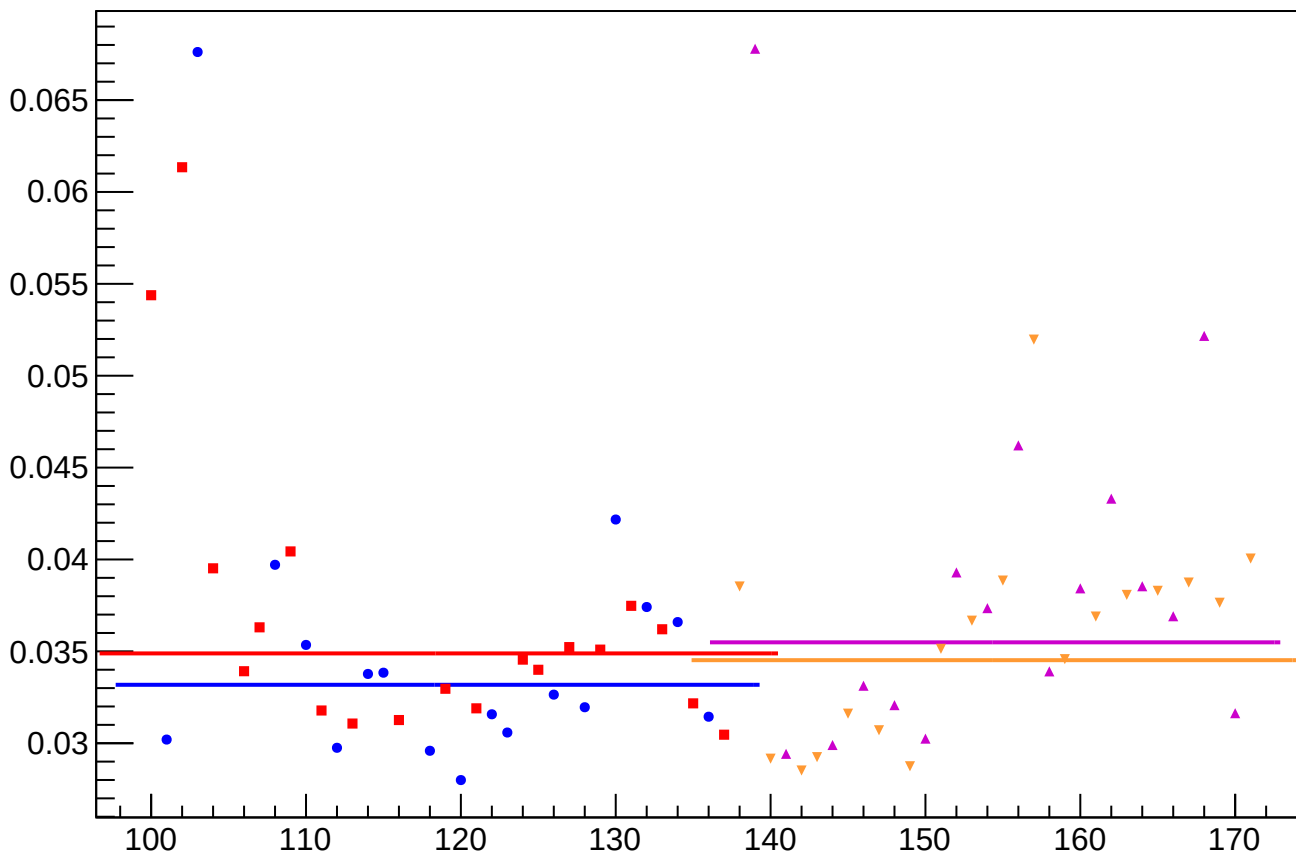
Right: -0.906 ± 0.000 $\chi^2/\text{NDF}: 173170801.3/35$

In: -1.213 ± 0.000 $\chi^2/\text{NDF}: 1430262016.8/32$

Out: -1.236 ± 0.000 $\chi^2/\text{NDF}: 1604989352.4/36$

All: -1.225 ± 0.000 $\chi^2/\text{NDF}: 3038884135.6/6$

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.035+/-0.000 χ^2/NDF : 451841.0/17

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

Left In: 0.035+/-0.000 χ^2/NDF : 835888.7/15

Left: 0.035+/-0.000 χ^2/NDF : 1296356.4/33

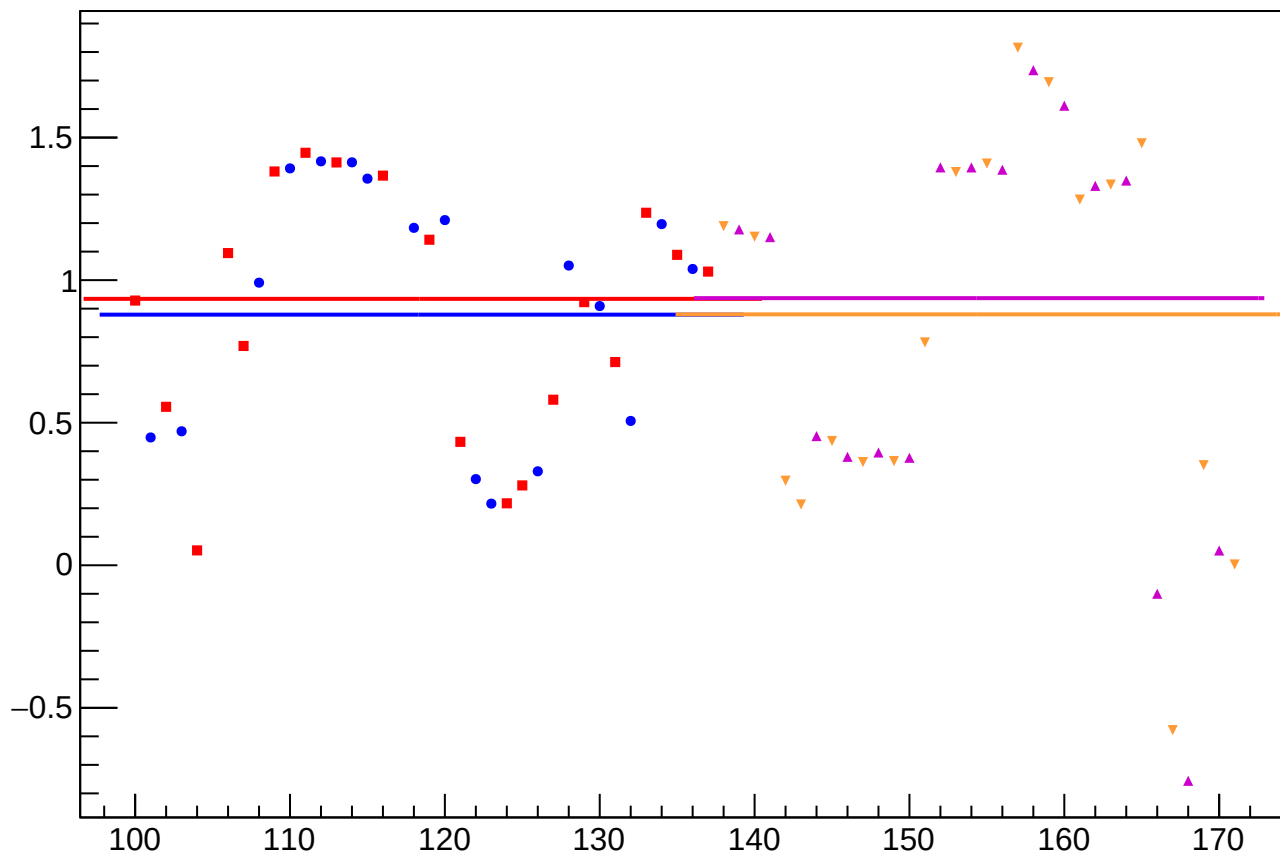
Right: 0.034+/-0.000 χ^2/NDF : 690186.6/35

In: 0.035+/-0.000 χ^2/NDF : 1270981.4/32

Out: 0.035+/-0.000 χ^2/NDF : 727757.5/36

All: 0.035+/-0.000 χ^2/NDF : 1998753.6/69

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.880+/-0.000 χ^2/NDF : 63237776616.4/17

Right Out: 0.934+/-0.000 χ^2/NDF : 9827120184.9/18

Left In: 0.937+/-0.000 χ^2/NDF : 65097285417.3/15

Left: 0.907+/-0.000 χ^2/NDF : 128580229104.6/33

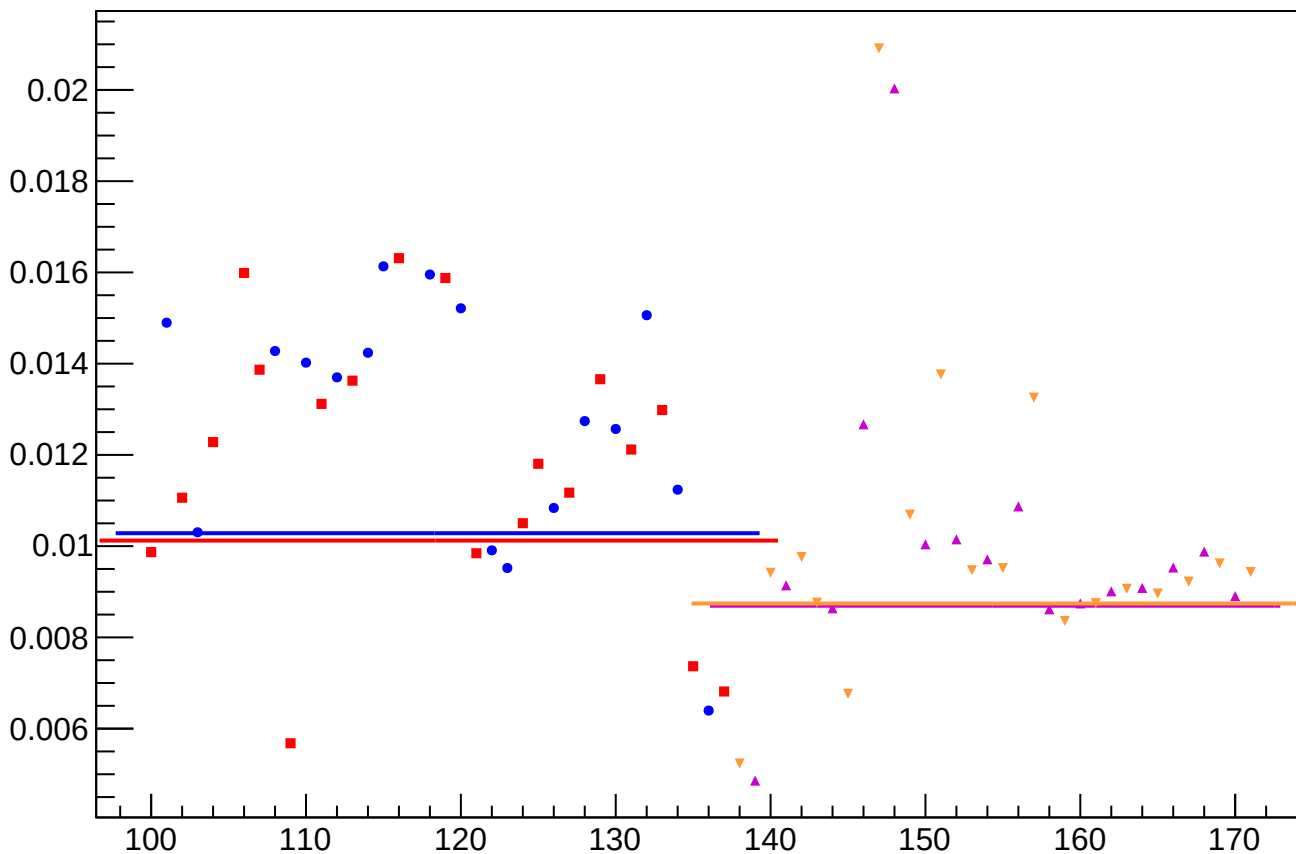
Right: 0.908+/-0.000 χ^2/NDF : 16282606826.3/35

In: 0.922+/-0.000 χ^2/NDF : 71598390827.2/32

Out: 0.894+/-0.000 χ^2/NDF : 73188343244.4/36

All: 0.908+/-0.000 χ^2/NDF : 144862842724.9

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 :1688698.9/17

Right Out: 0.010+/-0.000 χ^2/NDF : 1176642.1/18

Left In: 0.009+/-0.000 χ^2/NDF :1653785.7/15

Left: 0.009+/-0.000 χ^2/NDF : 3342852.3/33

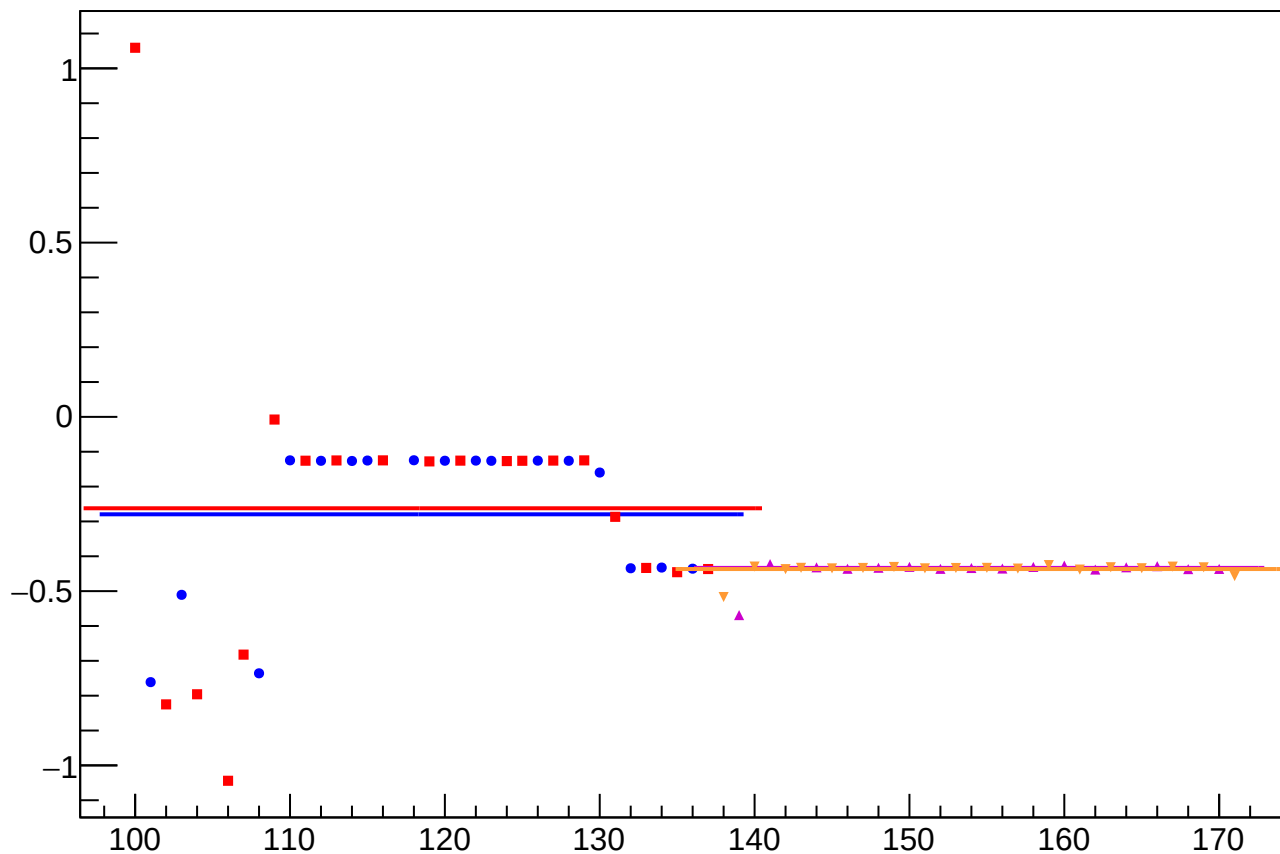
Right: 0.010+/-0.000 χ^2/NDF : 2385530.8/35

In: 0.009+/-0.000 χ^2/NDF :3057007.0/32

Out: 0.009+/-0.000 χ^2/NDF :3024276.3/36

All: 0.009+/-0.000 χ^2/NDF : 6081284.1/69

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 $\chi^2/\text{NDF}: 929210245.5/16$

Left Out: -0.437 ± 0.000 $\chi^2/\text{NDF}: 28636794.7/17$

Right Out: -0.262 ± 0.000 $\chi^2/\text{NDF}: 1006263824.6/18$

Left In: -0.433 ± 0.000 $\chi^2/\text{NDF}: 19793468.0/15$

Left: -0.435 ± 0.000 $\chi^2/\text{NDF}: 49007284.8/33$

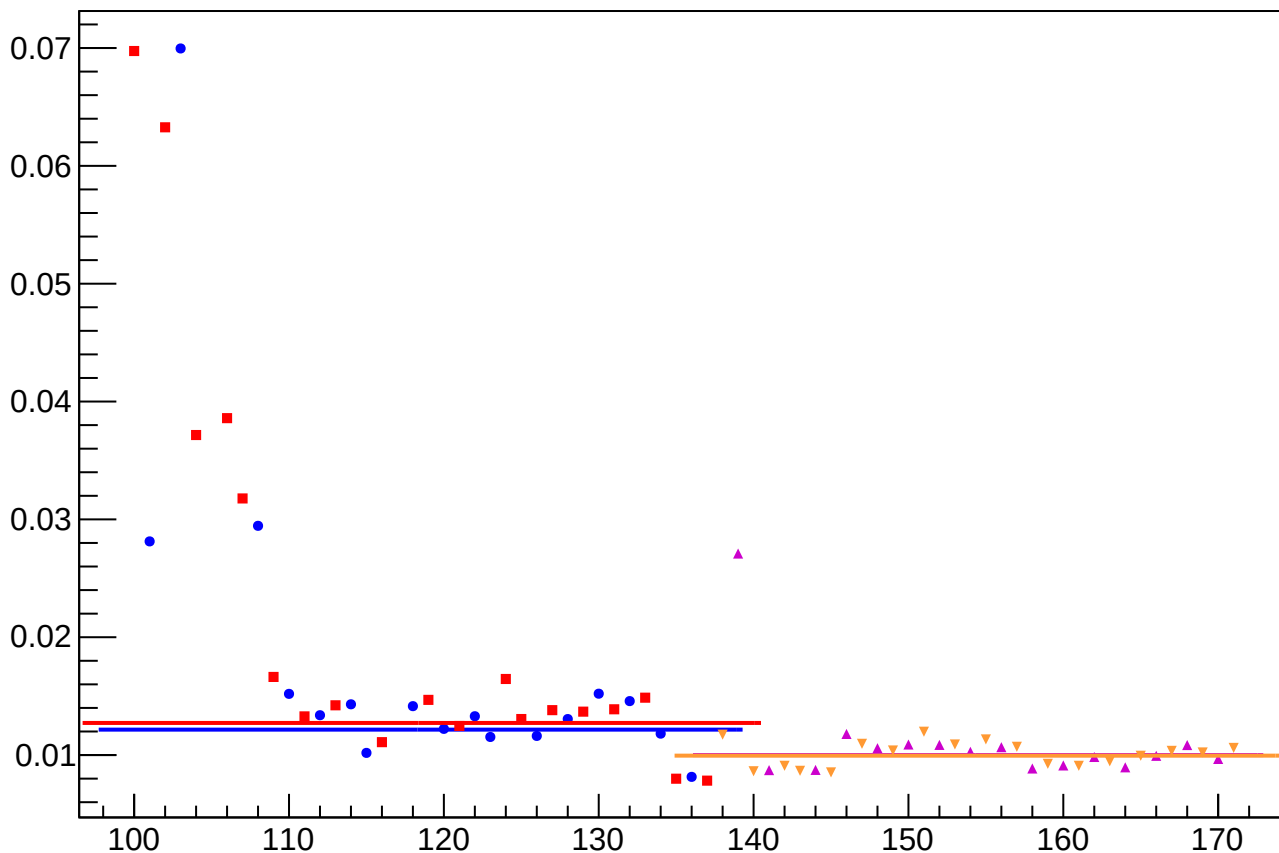
Right: -0.271 ± 0.000 $\chi^2/\text{NDF}: 1940066892.0/35$

In: -0.398 ± 0.000 $\chi^2/\text{NDF}: 1520631989.4/32$

Out: -0.400 ± 0.000 $\chi^2/\text{NDF}: 1754168669.1/36$

All: -0.399 ± 0.000 $\chi^2/\text{NDF}: 3275361425.8/6$

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:235367.0/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:742096.5/15

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 977715.3/33

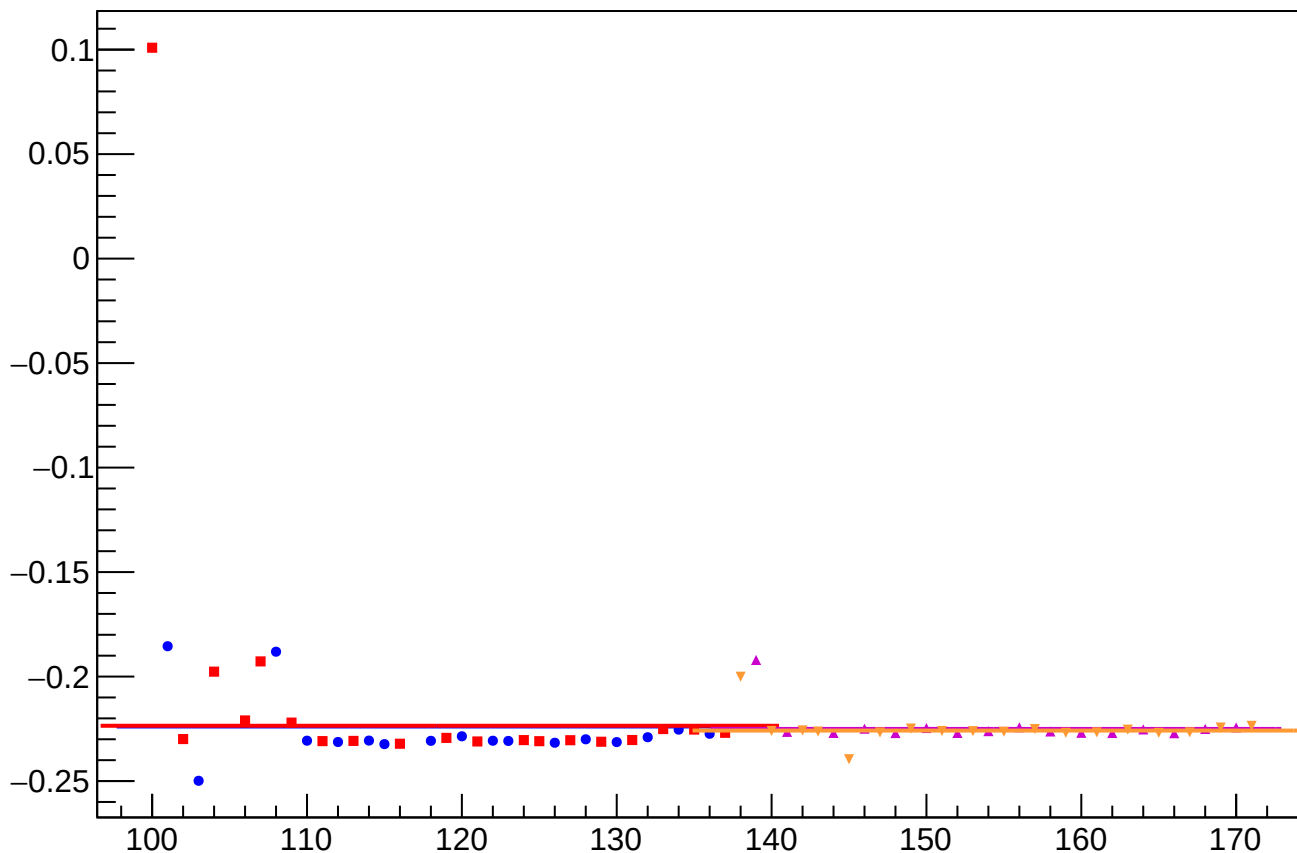
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3700041.2/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2690204.3/32

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2567026.7/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5257322.4/69

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 : 20834519.5/17

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

Left In: -0.225+/-0.000 χ^2/NDF : 12854420.6/15

Left: -0.225+/-0.000 χ^2/NDF : 33825949.7/33

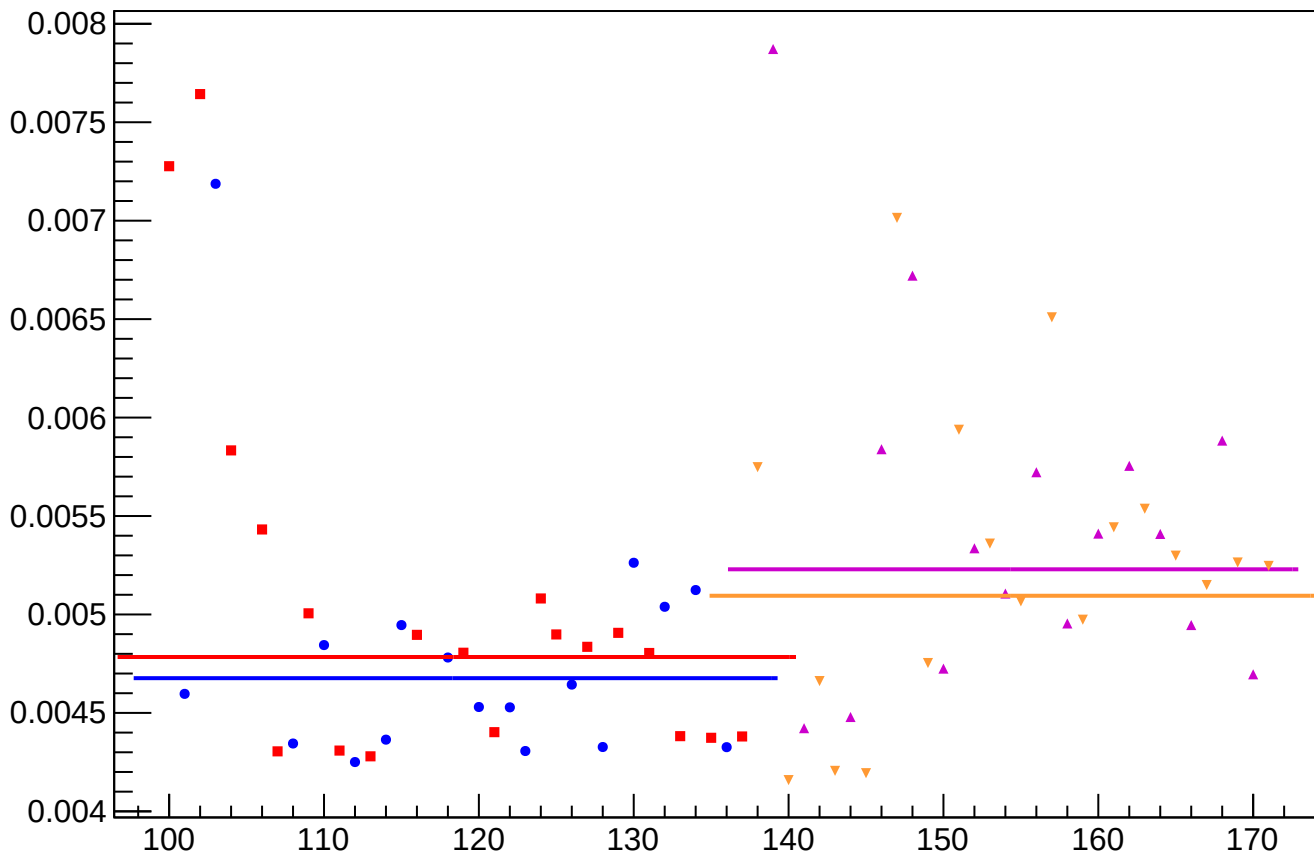
Right: -0.224+/-0.000 χ^2/NDF : 242740169.2/35

In: -0.225+/-0.000 χ^2/NDF : 87683981.7/32

Out: -0.225+/-0.000 χ^2/NDF : 189885281.8/36

All: -0.225+/-0.000 χ^2/NDF : 277626403.9/69

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 : 452554.0/17

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 436042.2/15

Left: 0.005+/-0.000 χ^2/NDF : 896765.7/33

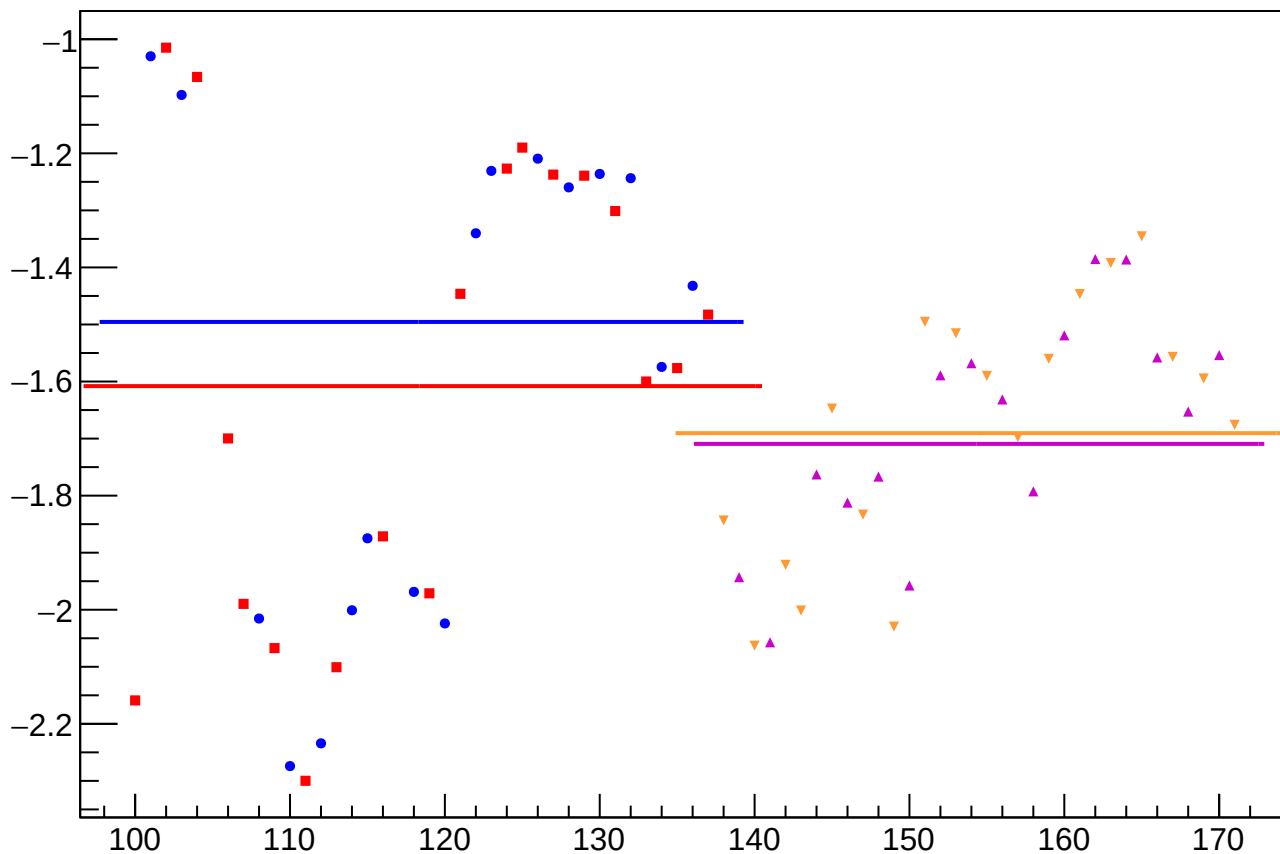
Right: 0.005+/-0.000 χ^2/NDF : 432242.2/35

In: 0.005+/-0.000 χ^2/NDF : 718794.0/32

Out: 0.005+/-0.000 χ^2/NDF : 735014.5/36

All: 0.005+/-0.000 χ^2/NDF : 1454583.0/69

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.690+/-0.000 χ^2/NDF : 15733082276.3/17

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.709+/-0.000 χ^2/NDF : 11416199938.6/15

Left: -1.699+/-0.000 χ^2/NDF : 27205160869.1/33

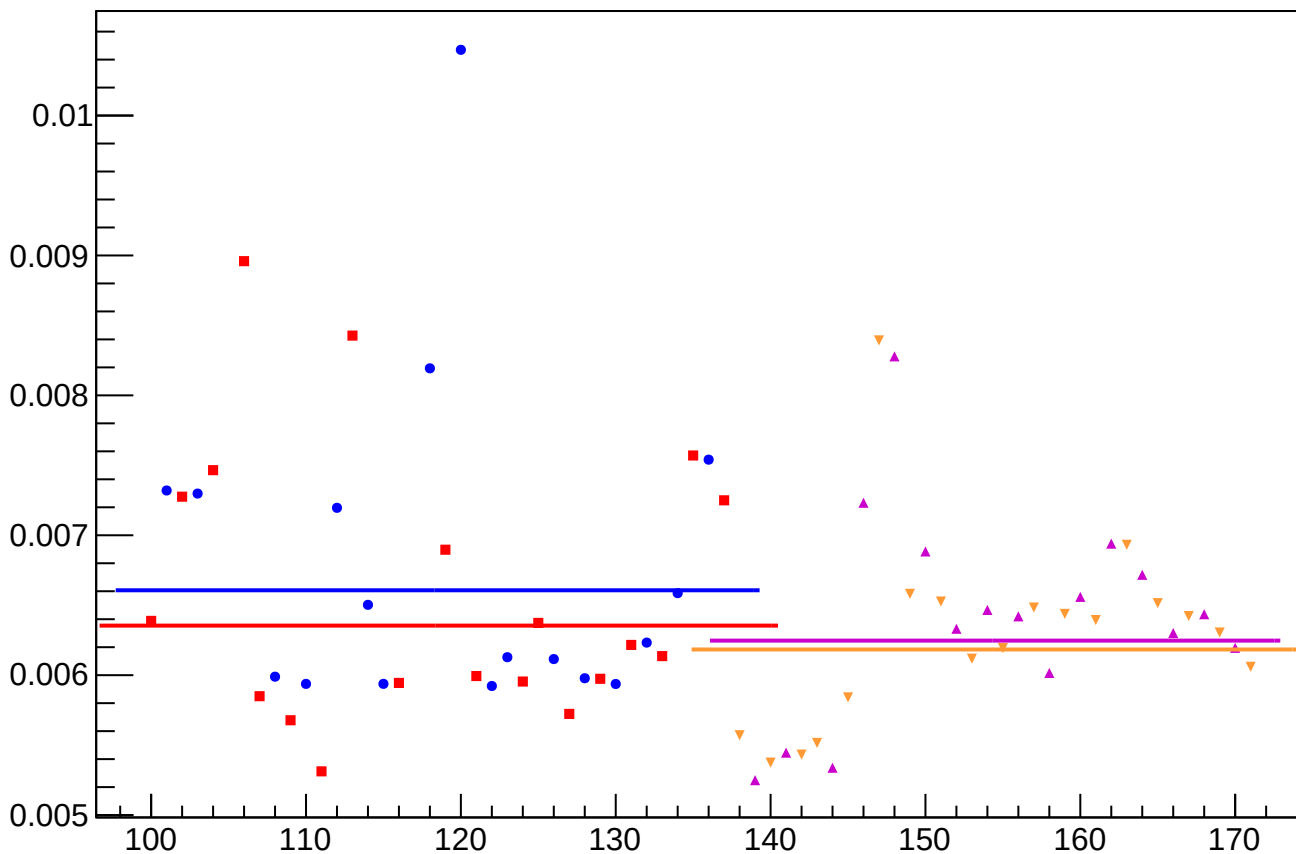
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.642+/-0.000 χ^2/NDF : 38260769823.6/32

Out: -1.663+/-0.000 χ^2/NDF : 44330477613.8/36

All: -1.653+/-0.000 χ^2/NDF : 82700994767.6/72

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 :229624.5/17

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

Left In: 0.006+/-0.000 χ^2/NDF :291083.9/15

Left: 0.006+/-0.000 χ^2/NDF : 521979.9/33

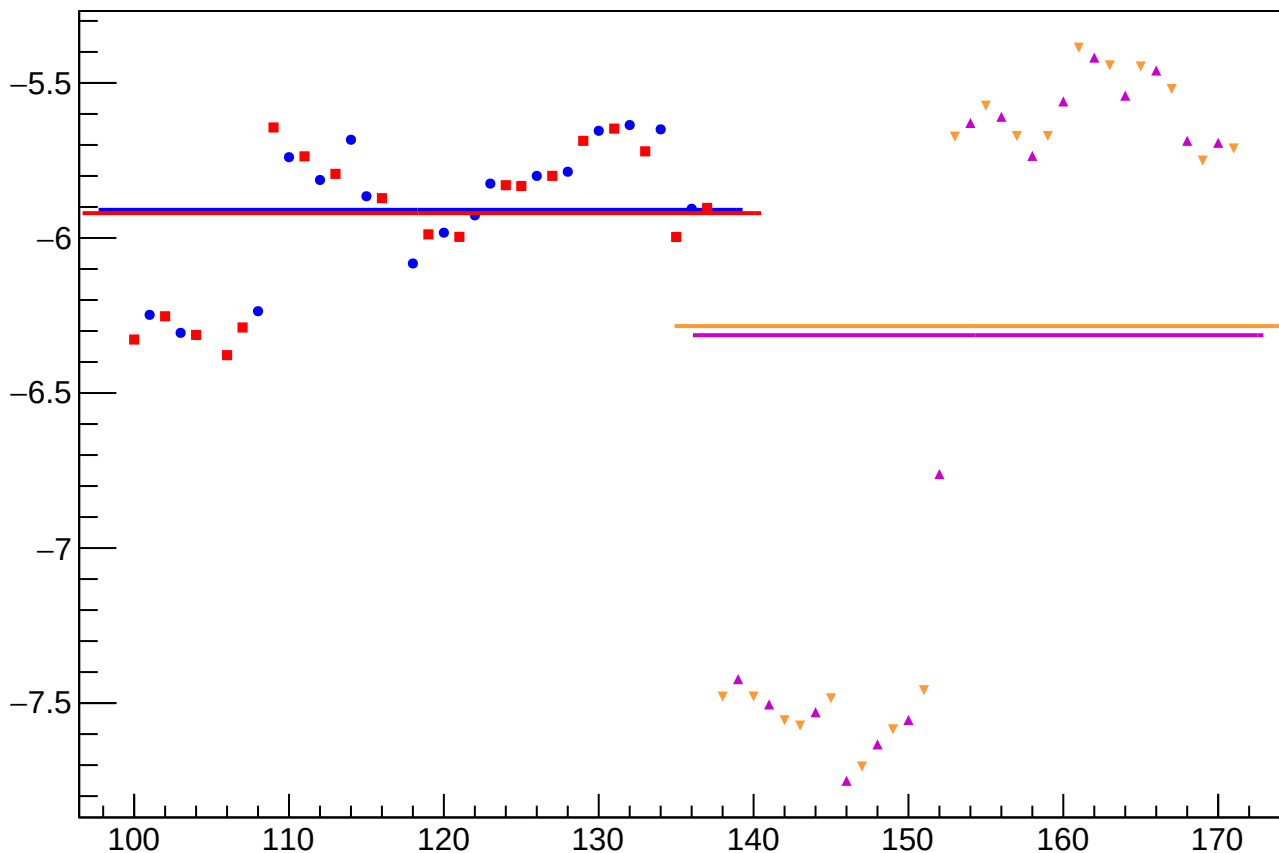
Right: 0.006+/-0.000 χ^2/NDF : 438183.3/35

In: 0.006+/-0.000 χ^2/NDF :516977.4/32

Out: 0.006+/-0.000 χ^2/NDF :463287.3/36

All: 0.006+/-0.000 χ^2/NDF : 987104.8/69

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909 $\pm$ 0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.284 $\pm$ 0.000 χ^2/NDF : 167774366680.6/17

Right Out: -5.920 $\pm$ 0.000 χ^2/NDF : 12785272526.6/18

Left In: -6.314 $\pm$ 0.000 χ^2/NDF : 139347990683.4/15

Left: -6.298 $\pm$ 0.000 χ^2/NDF : 307200723418.1/33

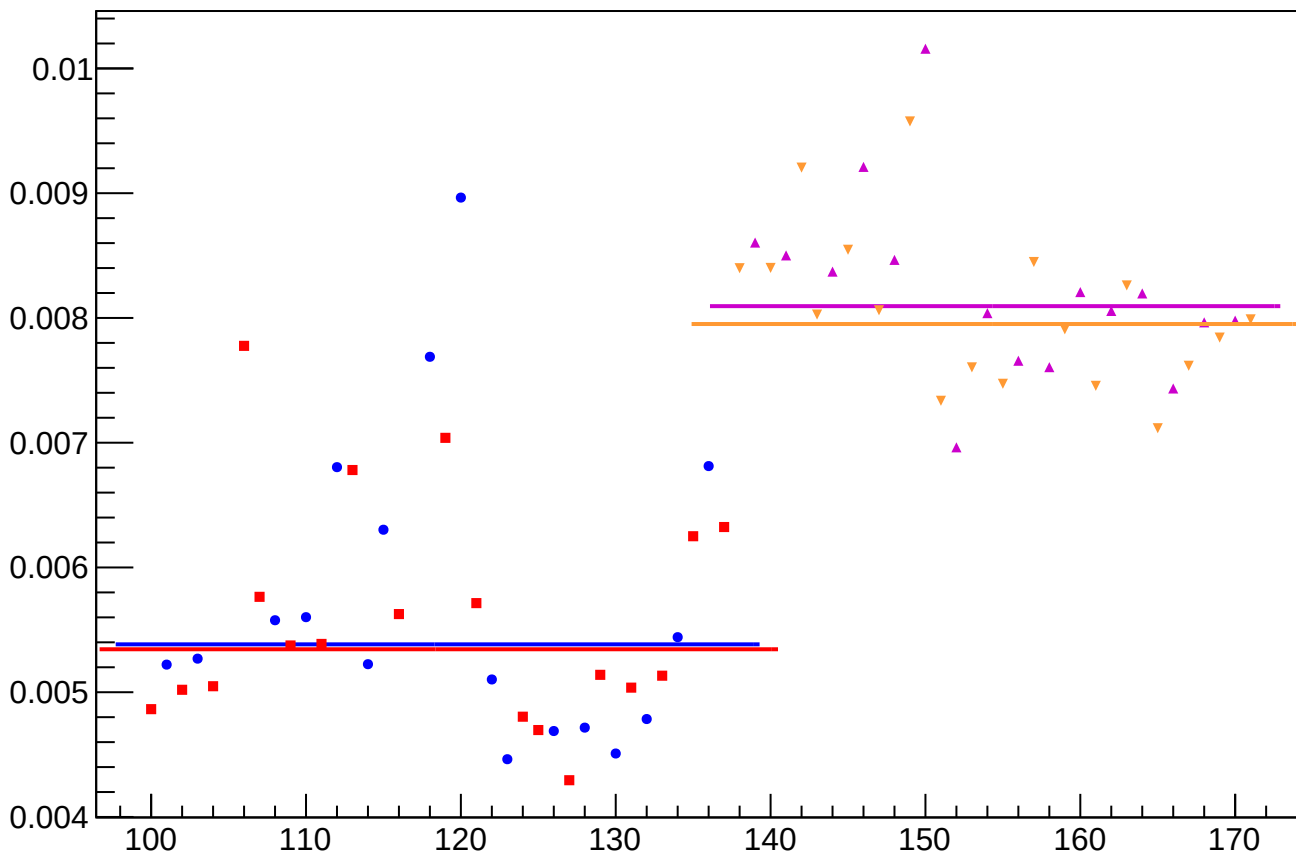
Right: -5.915 $\pm$ 0.000 χ^2/NDF : 23922455242.5/35

In: -6.095 $\pm$ 0.000 χ^2/NDF : 165620837390.6/32

Out: -6.087 $\pm$ 0.000 χ^2/NDF : 194114472155.4/36

All: -6.091 $\pm$ 0.000 χ^2/NDF : 359746706462.0

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 :116162.5/17

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :150319.8/15

Left: 0.008+/-0.000 χ^2/NDF : 270166.7/33

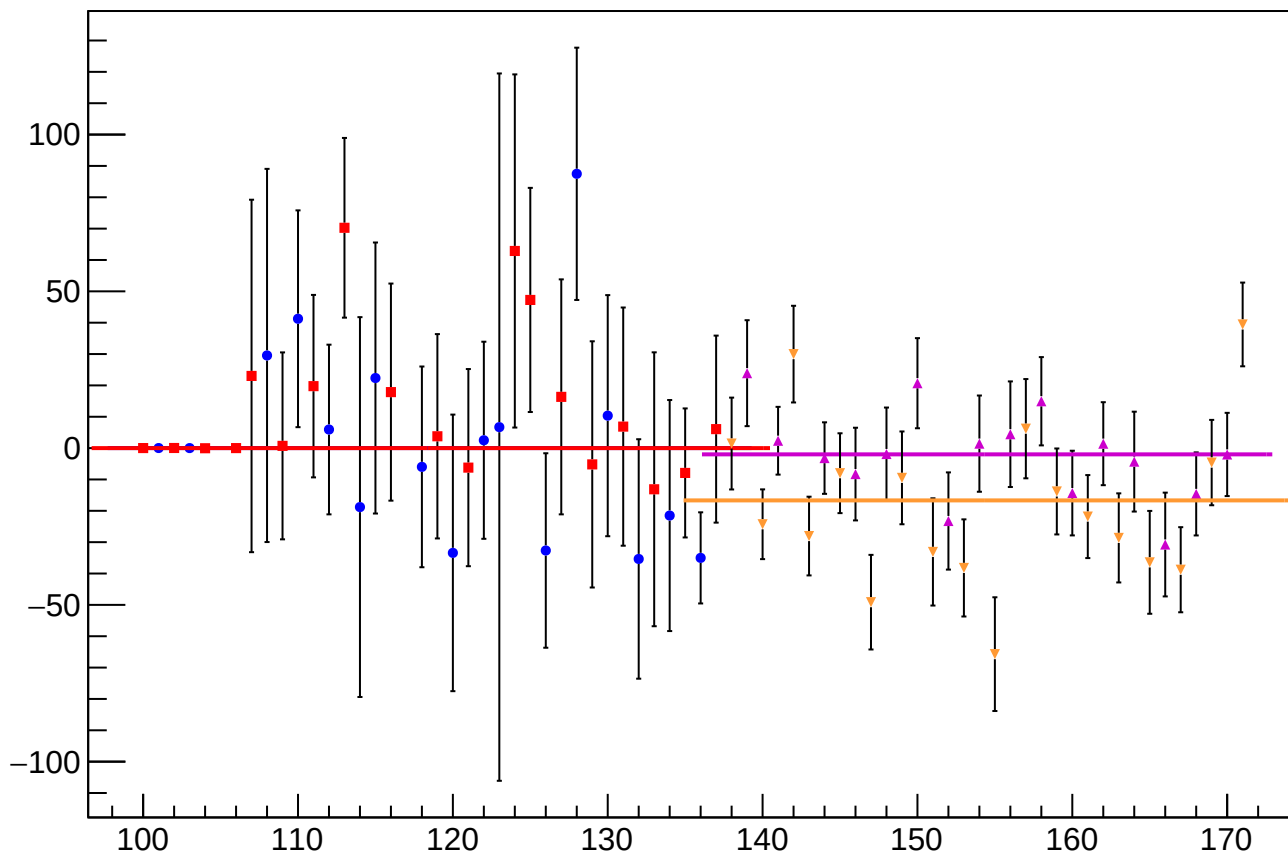
Right: 0.005+/-0.000 χ^2/NDF : 592657.5/35

In: 0.007+/-0.000 χ^2/NDF :1859782.0/32

Out: 0.007+/-0.000 χ^2/NDF :1750493.0/36

All: 0.007+/-0.000 χ^2/NDF : 3613170.4/69

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2/NDF : 15.8/16

Left Out: -16.678 $\pm$ 3.349 χ^2/NDF : 53.0/17

Right Out: -0.003 $\pm$ 0.016 χ^2/NDF : 15.3/18

Left In: -1.993 $\pm$ 3.516 χ^2/NDF : 13.6/15

Left: -9.694 $\pm$ 2.425 χ^2/NDF : 75.7/33

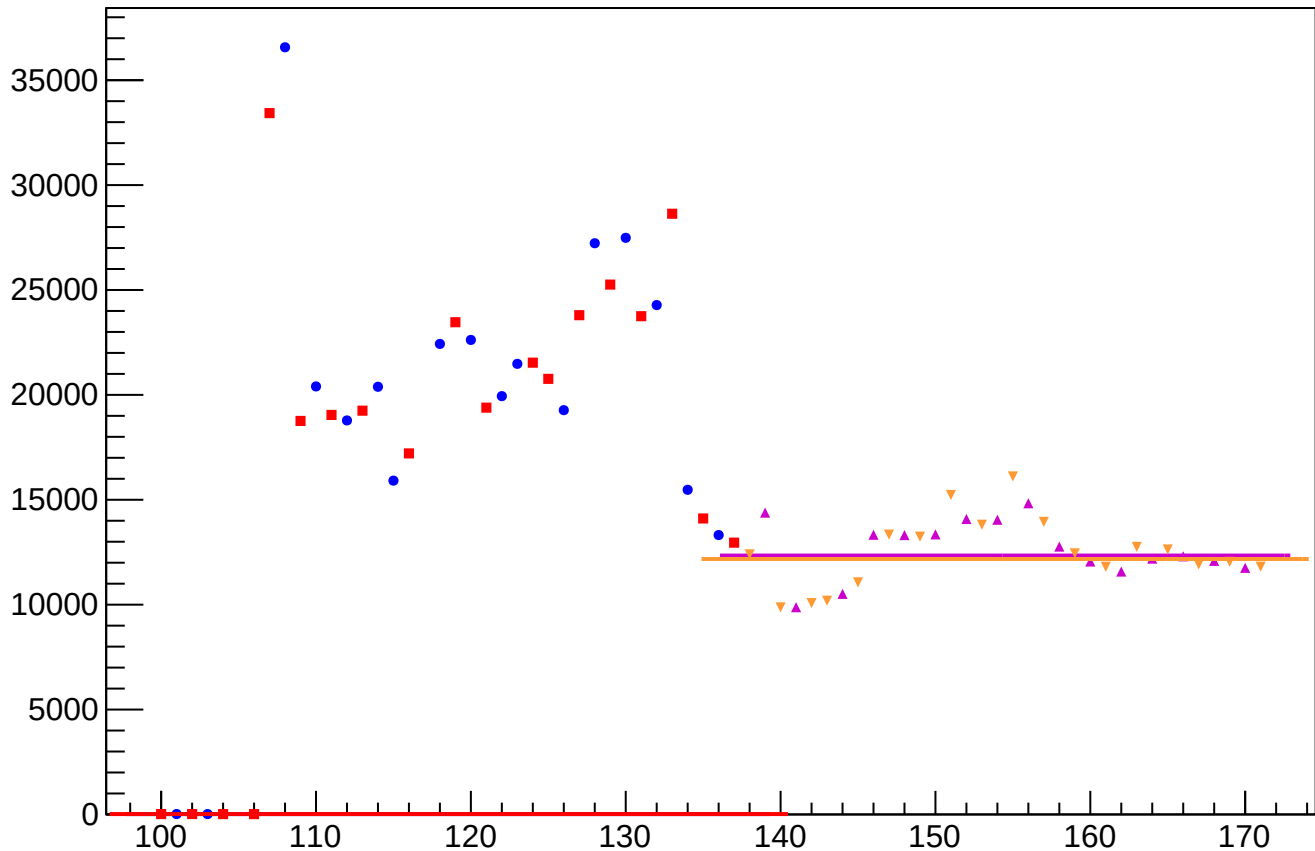
Right: 0.004 $\pm$ 0.012 χ^2/NDF : 31.6/35

In: 0.013 $\pm$ 0.017 χ^2/NDF : 29.7/32

Out: -0.004 $\pm$ 0.016 χ^2/NDF : 93.1/36

All: 0.004 $\pm$ 0.012 χ^2/NDF : 123.3/69

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12176.761+/-2.368 χ^2/NDF : 426053.1/17

Right Out: 18.311+/-0.011 χ^2/NDF : 11103320.8/18

Left In: 12340.742+/-2.487 χ^2/NDF : 319909.1/15

Left: 12254.746+/-1.715 χ^2/NDF : 748243.0/33

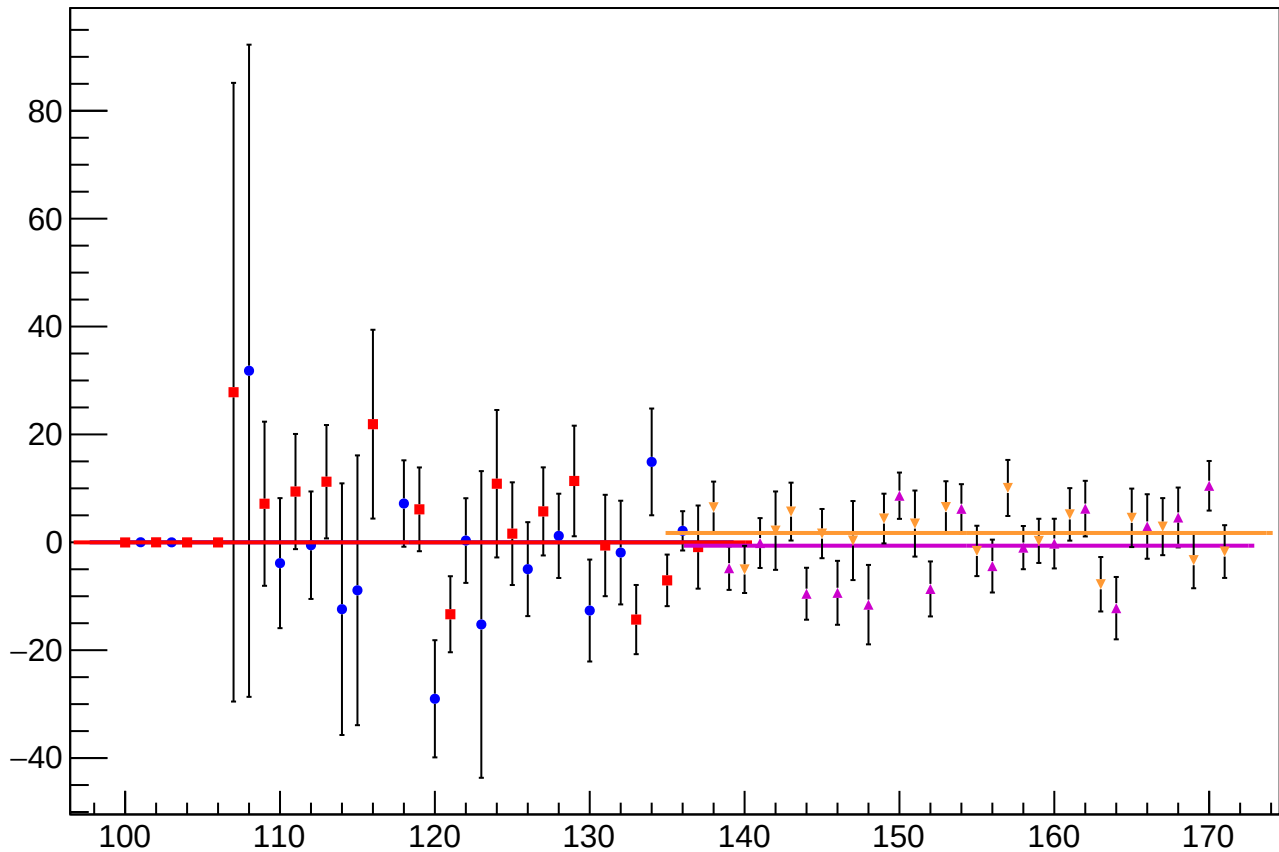
Right: 18.464+/-0.008 χ^2/NDF : 21945270.7/35

In: 18.940+/-0.012 χ^2/NDF : 35718347.4/32

Out: 18.591+/-0.011 χ^2/NDF : 37894484.1/36

All: 18.753+/-0.008 χ^2/NDF : 73613266.9/69

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 χ^2/NDF : 14.9/16

Left Out: 1.731 ± 1.190 χ^2/NDF : 14.4/17

Right Out: -0.014 ± 0.009 χ^2/NDF : 18.4/18

Left In: -0.629 ± 1.226 χ^2/NDF : 31.7/15

Left: 0.586 ± 0.854 χ^2/NDF : 48.1/33

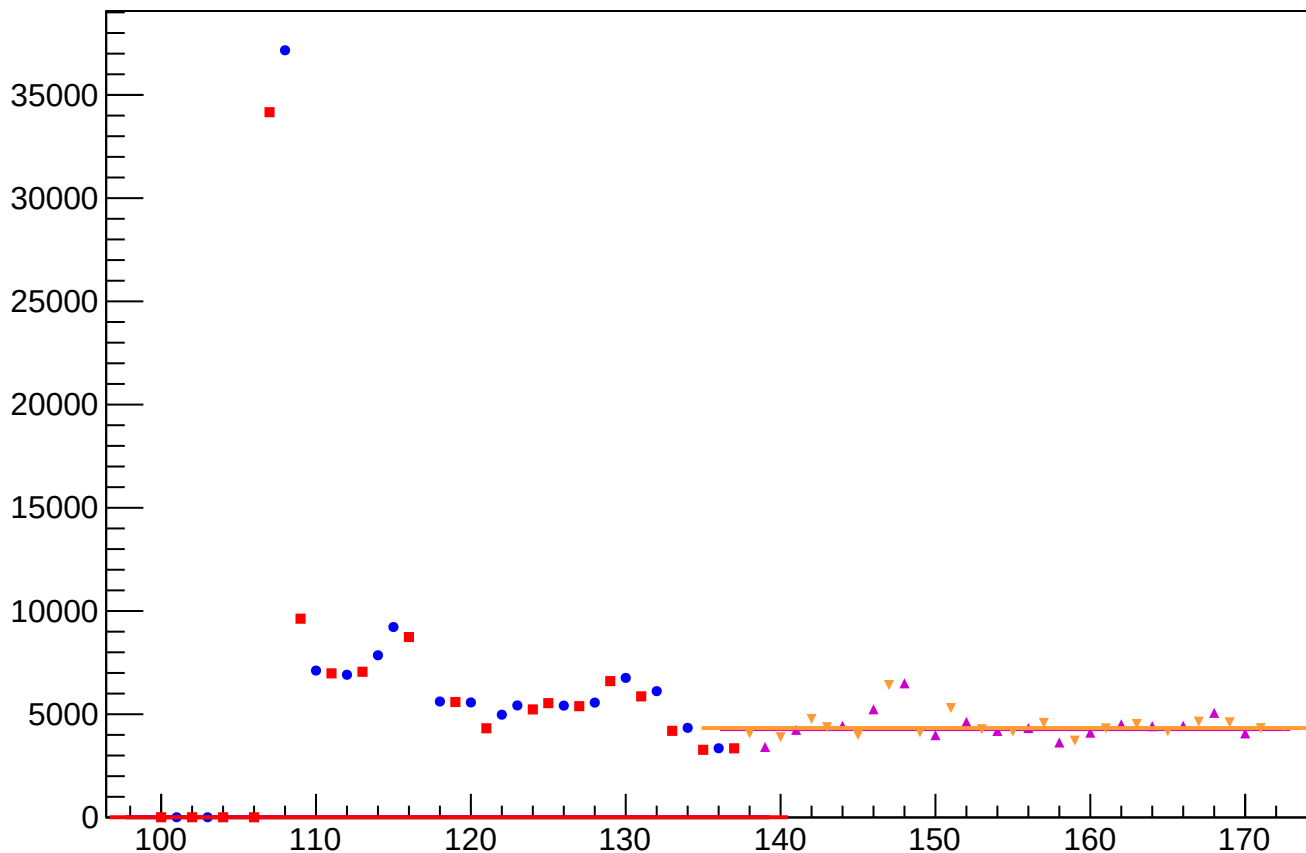
Right: -0.007 ± 0.006 χ^2/NDF : 34.7/35

In: 0.001 ± 0.009 χ^2/NDF : 46.9/32

Out: -0.014 ± 0.009 χ^2/NDF : 35.0/36

All: -0.007 ± 0.006 χ^2/NDF : 83.2/69

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10973577.1/16

Left Out: 4329.015 $\pm$ 0.841 χ^2 /NDF:329378.6/17

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11152667.7/18

Left In: 4280.356 $\pm$ 0.867 χ^2 /NDF:454263.1/15

Left: 4305.412 $\pm$ 0.604 χ^2 /NDF: 785264.8/33

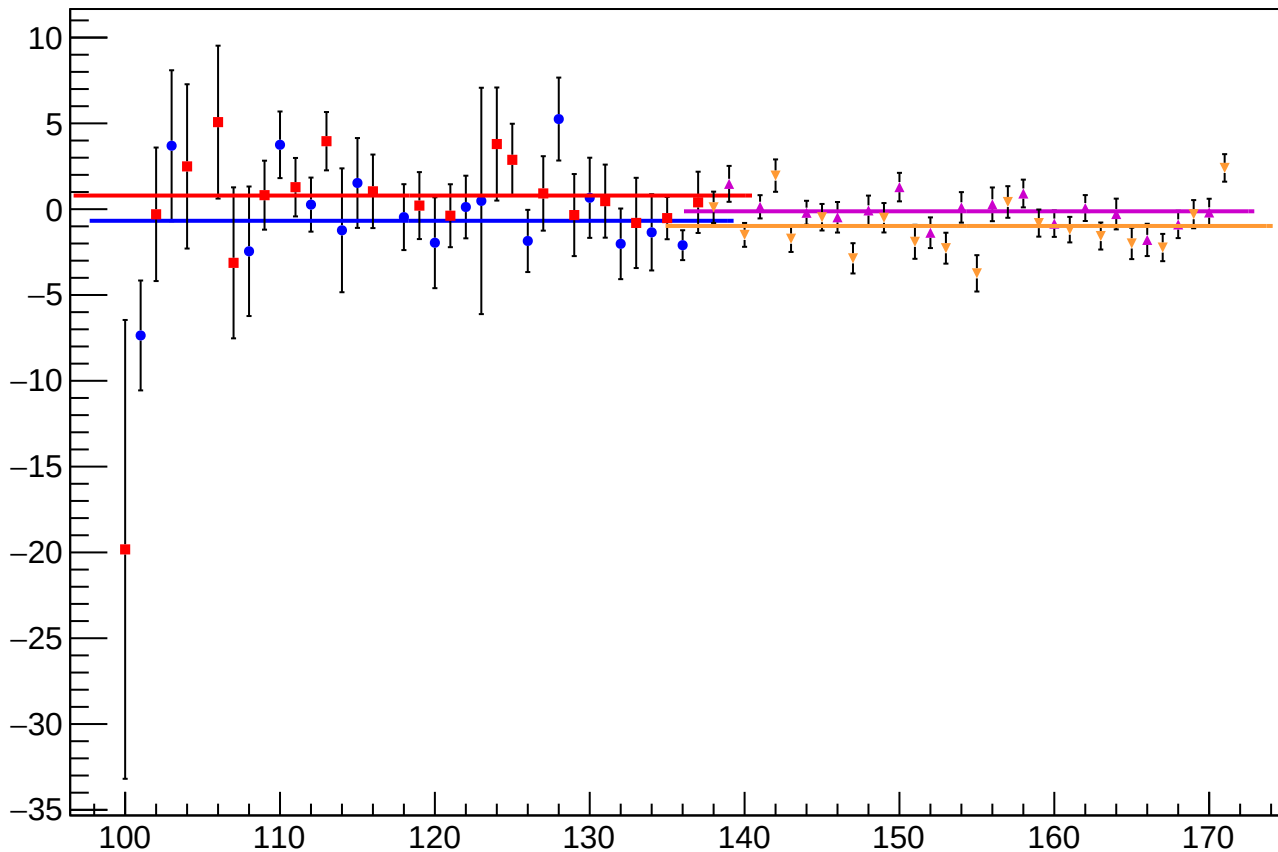
Right: 9.894 $\pm$ 0.004 χ^2 /NDF: 22126332.7/35

In: 10.179 $\pm$ 0.007 χ^2 /NDF:35705594.6/32

Out: 10.083 $\pm$ 0.006 χ^2 /NDF:37845146.2/36

All: 10.128 $\pm$ 0.004 χ^2 /NDF: 73550856.6/69

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 $\pm$ 0.484 χ^2/NDF : 22.3/16

Left Out: -0.978 $\pm$ 0.198 χ^2/NDF : 52.8/17

Right Out: 0.795 $\pm$ 0.501 χ^2/NDF : 12.0/18

Left In: -0.123 $\pm$ 0.207 χ^2/NDF : 14.4/15

Left: -0.571 $\pm$ 0.143 χ^2/NDF : 76.1/33

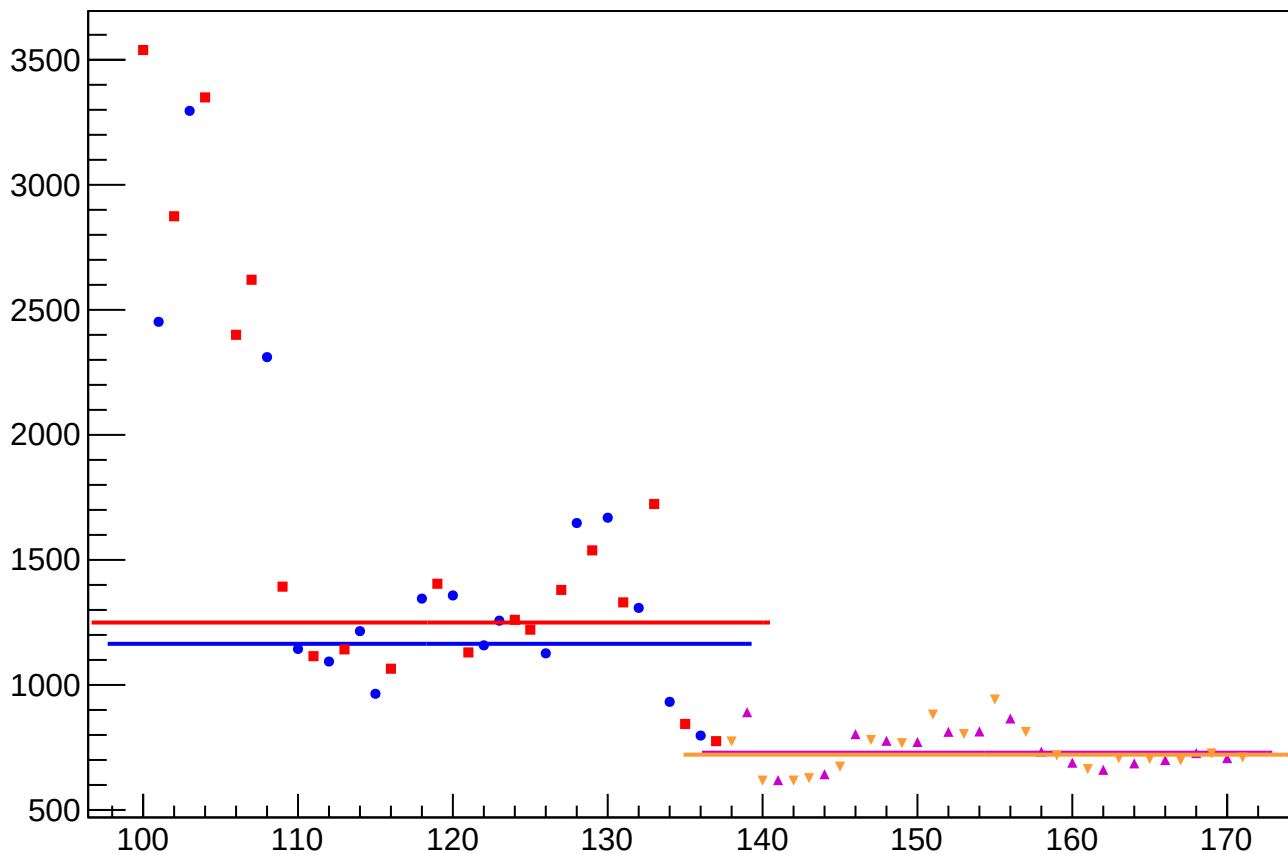
Right: 0.033 $\pm$ 0.348 χ^2/NDF : 38.7/35

In: -0.209 $\pm$ 0.191 χ^2/NDF : 37.8/32

Out: -0.739 $\pm$ 0.184 χ^2/NDF : 75.6/36

All: -0.483 $\pm$ 0.132 χ^2/NDF : 117.4/69

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 721.147 $\pm$ 0.140 χ^2 /NDF: 318473.1/17

Right Out: 1249.596 $\pm$ 0.354 χ^2 /NDF: 1650133.1/18

Left In: 729.155 $\pm$ 0.147 χ^2 /NDF: 260428.1/15

Left: 724.961 $\pm$ 0.101 χ^2 /NDF: 580461.8/33

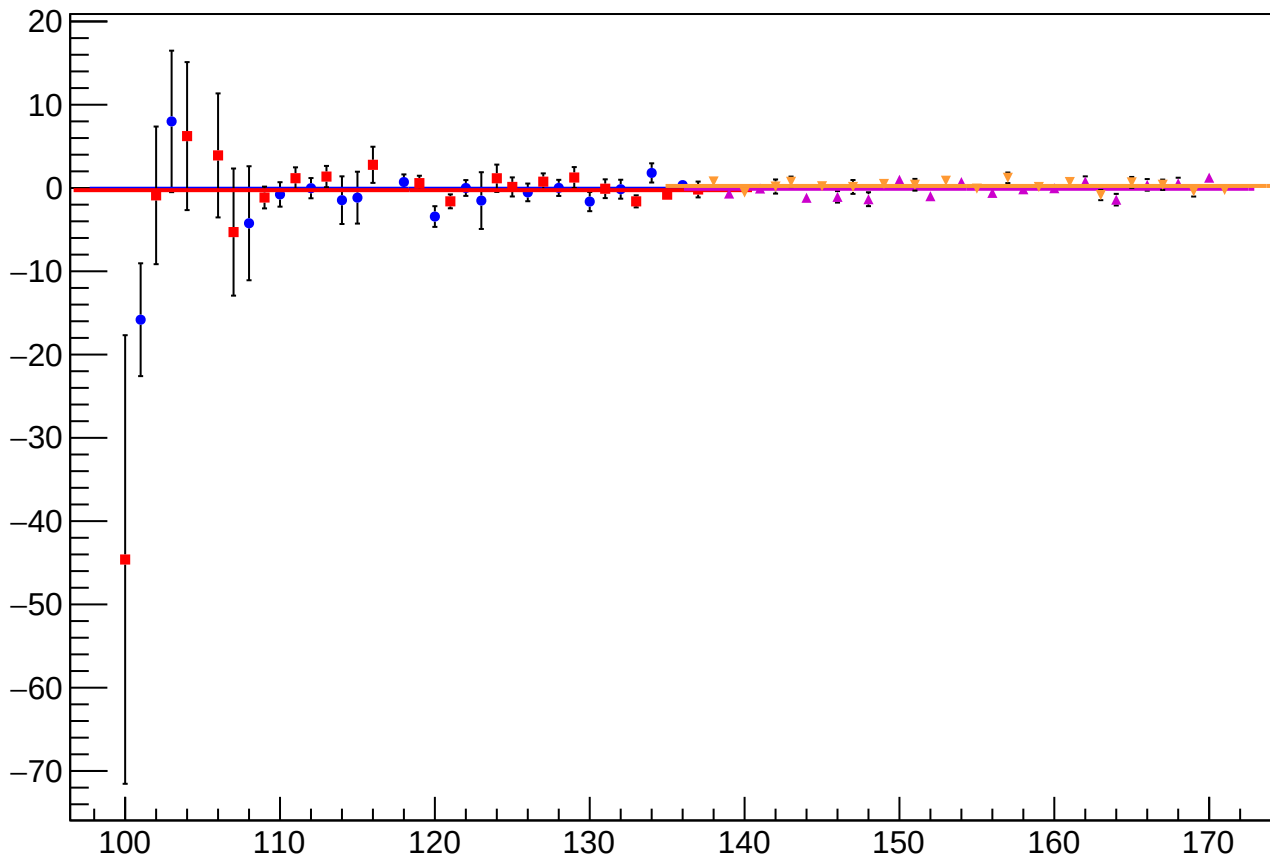
Right: 1205.546 $\pm$ 0.246 χ^2 /NDF: 3264193.7/35

In: 796.685 $\pm$ 0.135 χ^2 /NDF: 3210692.0/32

Out: 792.366 $\pm$ 0.130 χ^2 /NDF: 3891642.5/36

All: 794.449 $\pm$ 0.094 χ^2 /NDF: 7102865.7/69

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.248 ± 0.143 χ^2/NDF : 14.1/17

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

Left In: -0.094 ± 0.147 χ^2/NDF : 31.4/15

Left: 0.083 ± 0.102 χ^2/NDF : 48.3/33

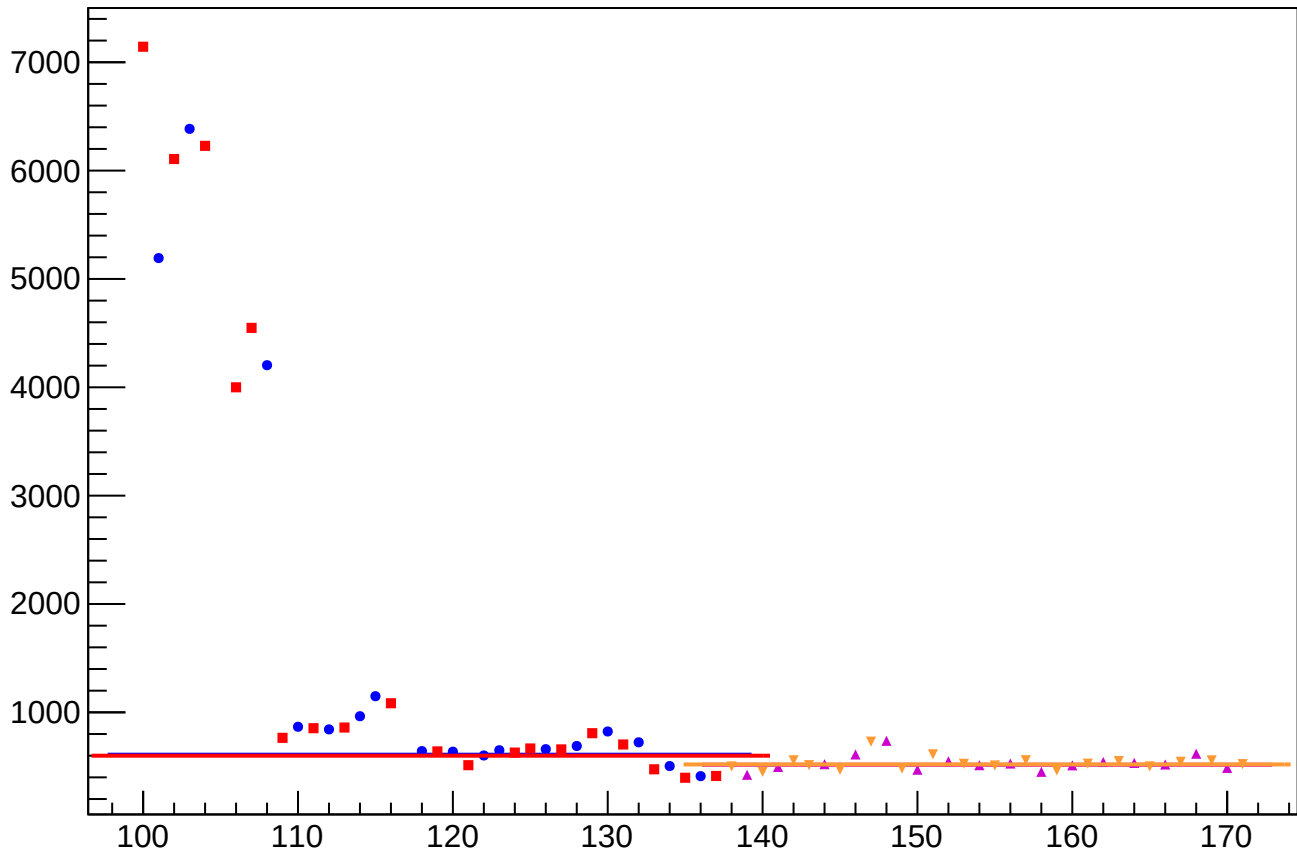
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.092 ± 0.129 χ^2/NDF : 52.5/32

Out: 0.134 ± 0.125 χ^2/NDF : 37.4/36

All: 0.024 ± 0.090 χ^2/NDF : 91.4/69

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 519.275+/-0.101 χ^2/NDF :282185.9/17

Right Out: 599.910+/-0.187 χ^2/NDF : 3547599.8/18

Left In: 515.873+/-0.104 χ^2/NDF :362382.3/15

Left: 517.631+/-0.072 χ^2/NDF : 645118.9/33

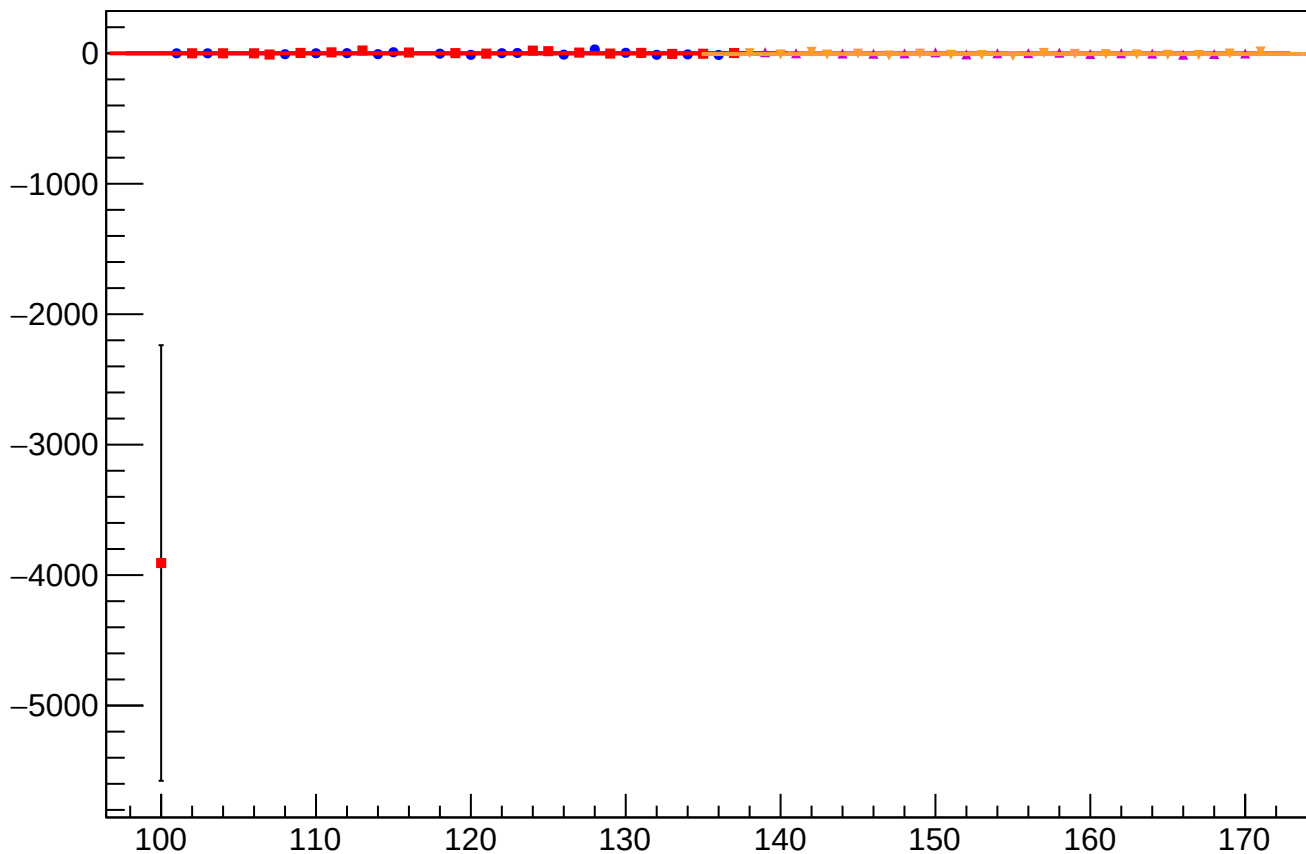
Right: 604.364+/-0.134 χ^2/NDF : 6687992.0/35

In: 537.238+/-0.091 χ^2/NDF :3684823.2/32

Out: 537.433+/-0.089 χ^2/NDF :3973984.8/36

All: 537.339+/-0.064 χ^2/NDF : 7658810.3/69

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2/NDF : 15.3/16

Left Out: -5.643+/-1.152 χ^2/NDF : 52.6/17

Right Out: 0.027+/-0.020 χ^2/NDF : 17.3/18

Left In: -0.718+/-1.210 χ^2/NDF : 14.0/15

Left: -3.301+/-0.834 χ^2/NDF : 75.3/33

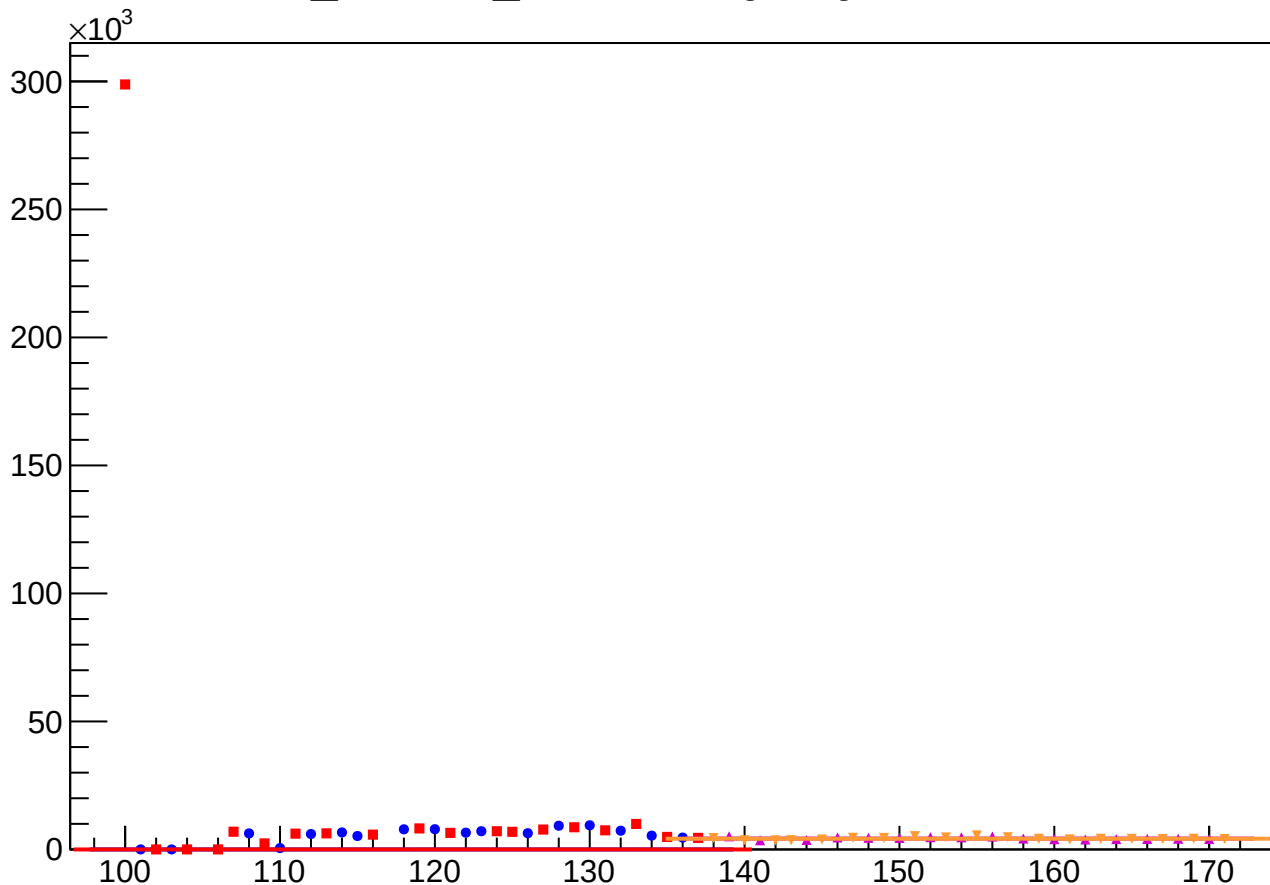
Right: 0.004+/-0.014 χ^2/NDF : 35.4/35

In: -0.022+/-0.021 χ^2/NDF : 29.6/32

Out: 0.025+/-0.020 χ^2/NDF : 94.1/36

All: 0.003+/-0.014 χ^2/NDF : 126.4/69

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 ± 0.015 $\chi^2/\text{NDF}: 10359409.4/16$

Left Out: 4197.492 ± 0.815 $\chi^2/\text{NDF}: 336670.8/17$

Right Out: 17.268 ± 0.014 $\chi^2/\text{NDF}: 10813350.8/18$

Left In: 4251.969 ± 0.856 $\chi^2/\text{NDF}: 265249.2/15$

Left: 4223.396 ± 0.590 $\chi^2/\text{NDF}: 604046.6/33$

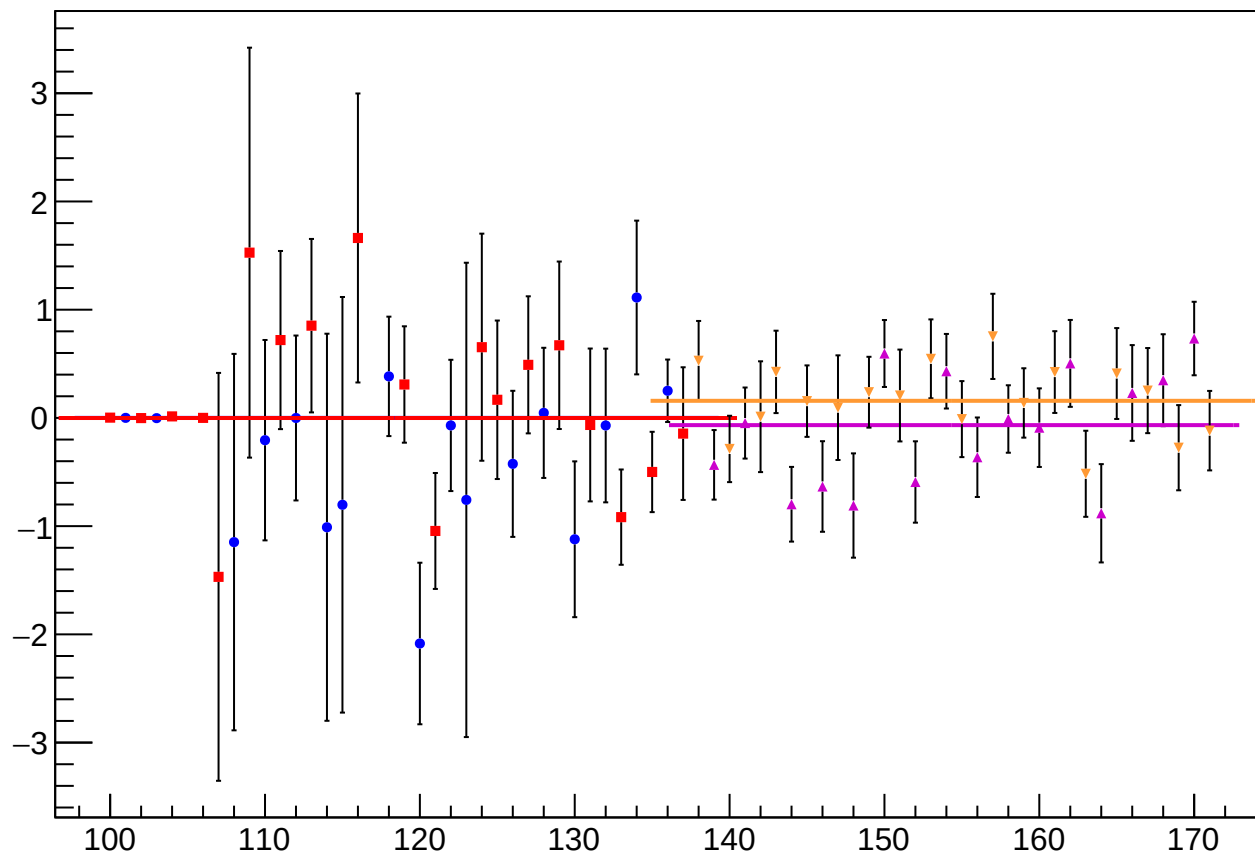
Right: 17.301 ± 0.010 $\chi^2/\text{NDF}: 21172771.7/35$

In: 18.587 ± 0.015 $\chi^2/\text{NDF}: 35117885.3/32$

Out: 18.500 ± 0.014 $\chi^2/\text{NDF}: 37476001.7/36$

All: 18.541 ± 0.010 $\chi^2/\text{NDF}: 72593905.6/69$

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.158 ± 0.088 χ^2/NDF : 13.0/17

Right Out: -0.001 ± 0.002 χ^2/NDF : 17.8/18

Left In: -0.067 ± 0.092 χ^2/NDF : 31.5/15

Left: 0.050 ± 0.064 χ^2/NDF : 47.6/33

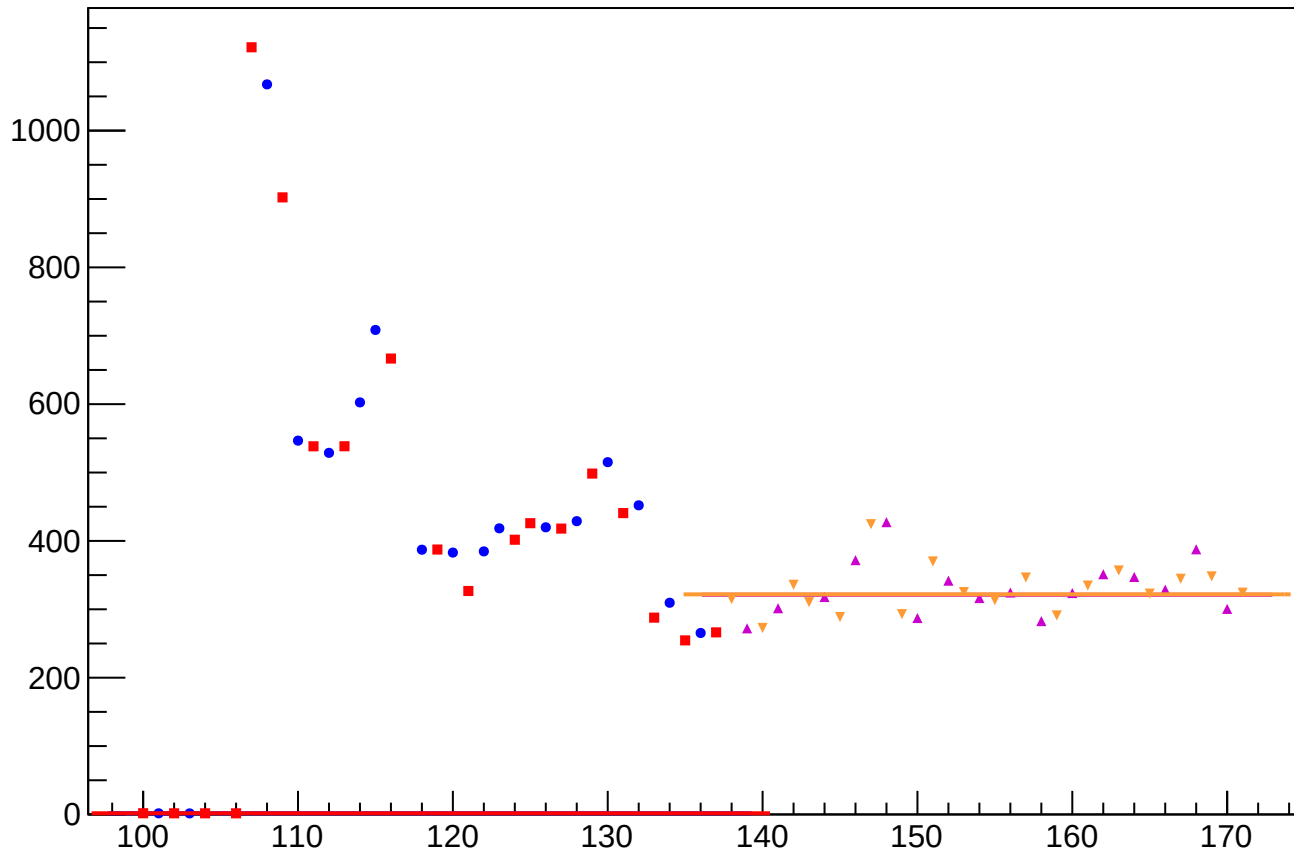
Right: -0.000 ± 0.001 χ^2/NDF : 33.6/35

In: 0.000 ± 0.002 χ^2/NDF : 47.7/32

Out: -0.001 ± 0.002 χ^2/NDF : 34.0/36

All: -0.000 ± 0.001 χ^2/NDF : 81.8/69

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 321.878 $\pm$ 0.062 χ^2 /NDF: 268125.6/17

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

Left In: 321.251 $\pm$ 0.065 χ^2 /NDF: 316588.8/15

Left: 321.577 $\pm$ 0.045 χ^2 /NDF: 584762.9/33

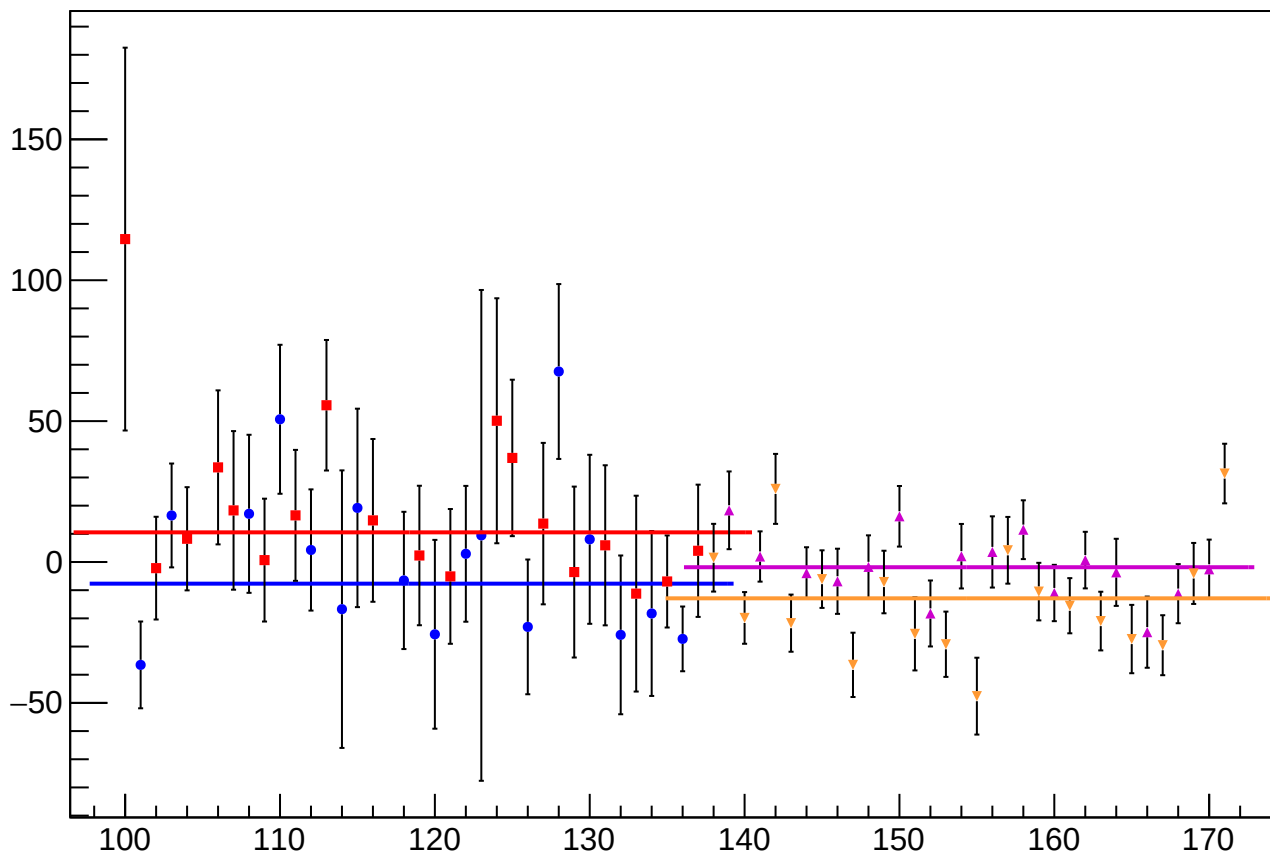
Right: 1.714 $\pm$ 0.001 χ^2 /NDF: 21648518.8/35

In: 1.854 $\pm$ 0.001 χ^2 /NDF: 35517605.2/32

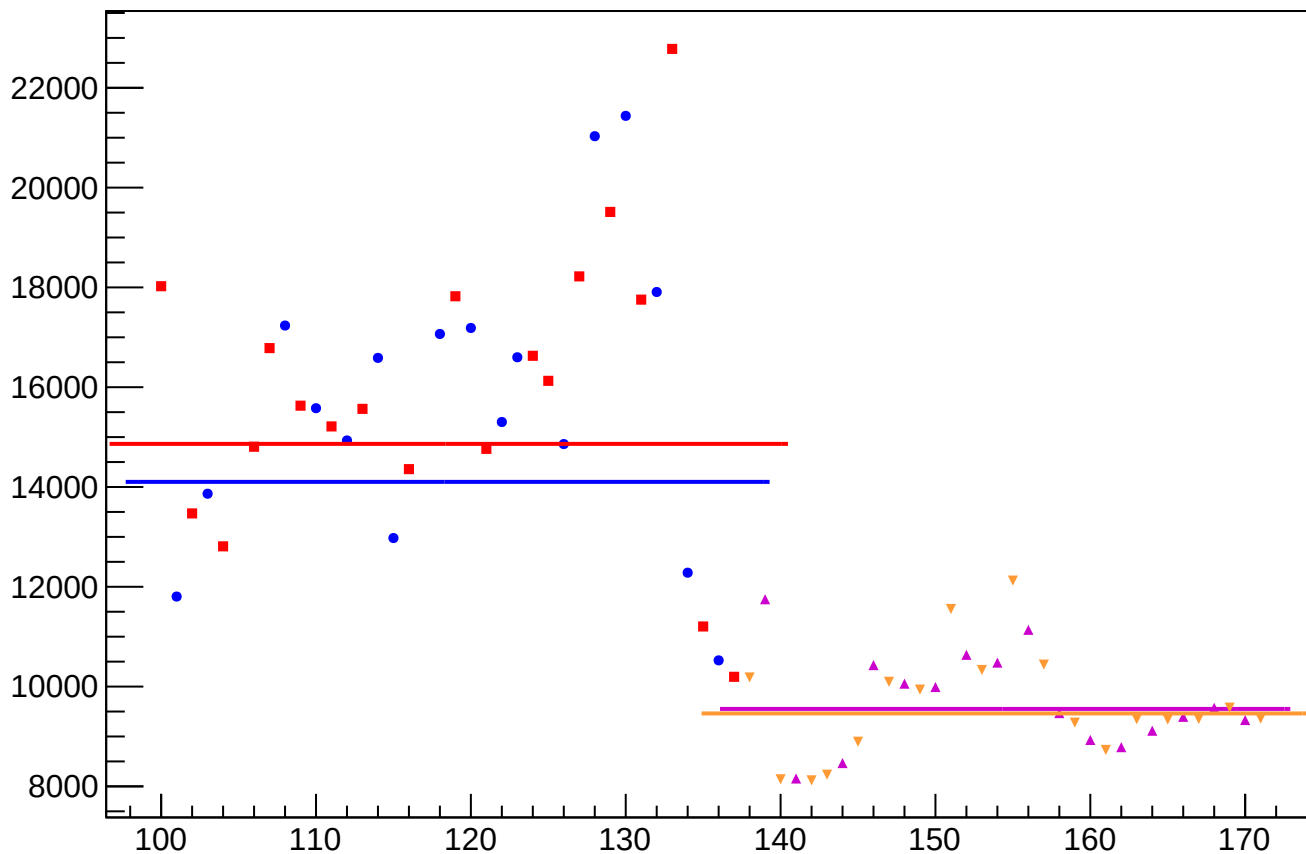
Out: 1.883 $\pm$ 0.001 χ^2 /NDF: 37280699.7/36

All: 1.869 $\pm$ 0.001 χ^2 /NDF: 72798508.3/69

diff_bpm4aX_mean vs Slug, Sign Corrected



diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2/NDF : 598934.8/16

Left Out: 9461.404 $\pm$ 1.834 χ^2/NDF : 283357.9/17

Right Out: 14864.163 $\pm$ 4.018 χ^2/NDF : 470280.3/18

Left In: 9552.405 $\pm$ 1.921 χ^2/NDF : 231737.3/15

Left: 9504.807 $\pm$ 1.327 χ^2/NDF : 516269.3/33

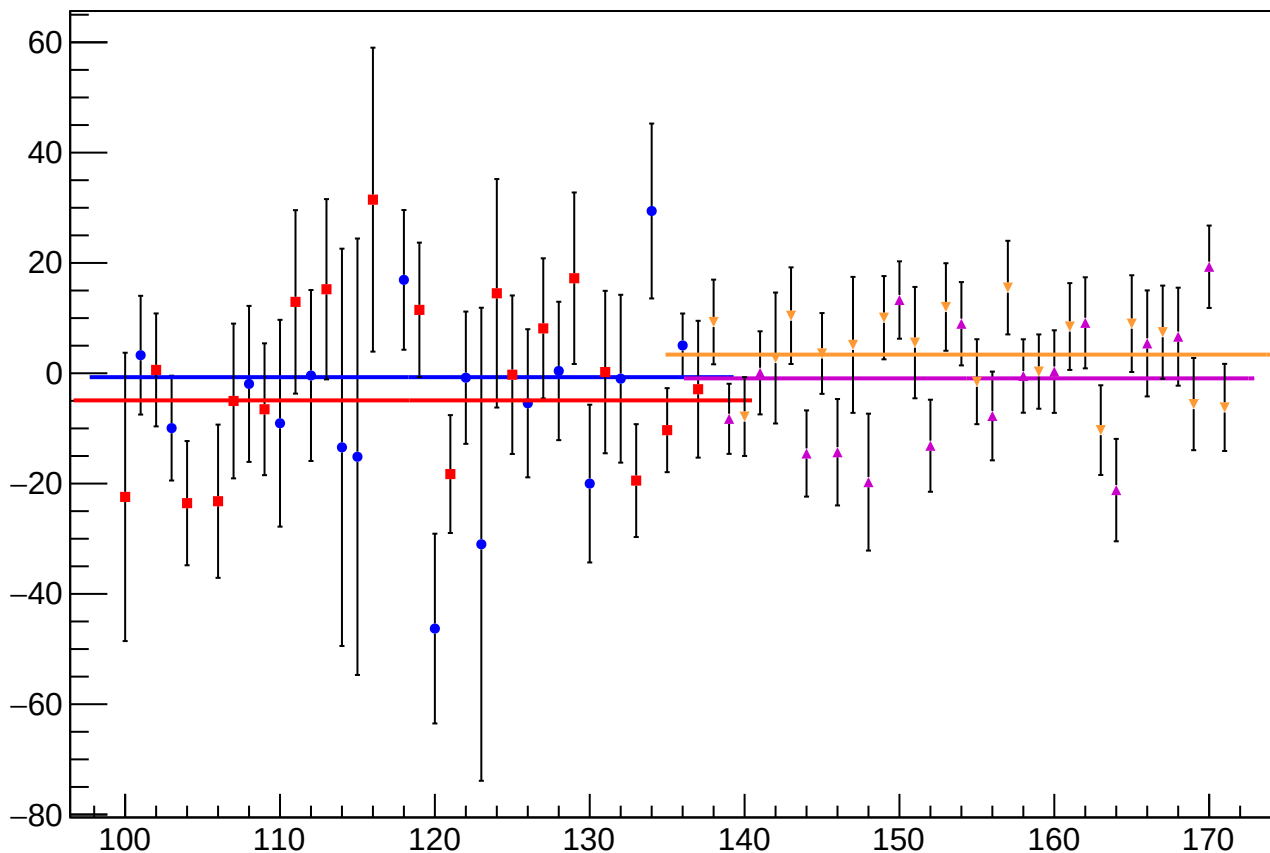
Right: 14479.636 $\pm$ 2.827 χ^2/NDF : 1087356.3/35

In: 10412.289 $\pm$ 1.730 χ^2/NDF : 1891194.9/32

Out: 10393.117 $\pm$ 1.669 χ^2/NDF : 2249924.5/36

All: 10402.358 $\pm$ 1.201 χ^2/NDF : 4141183.1/6

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 $\pm$ 3.084 χ^2/NDF : 17.6/16

Left Out: 3.383 $\pm$ 1.937 χ^2/NDF : 14.9/17

Right Out: -4.918 $\pm$ 2.940 χ^2/NDF : 19.8/18

Left In: -0.926 $\pm$ 1.993 χ^2/NDF : 32.1/15

Left: 1.290 $\pm$ 1.389 χ^2/NDF : 49.4/33

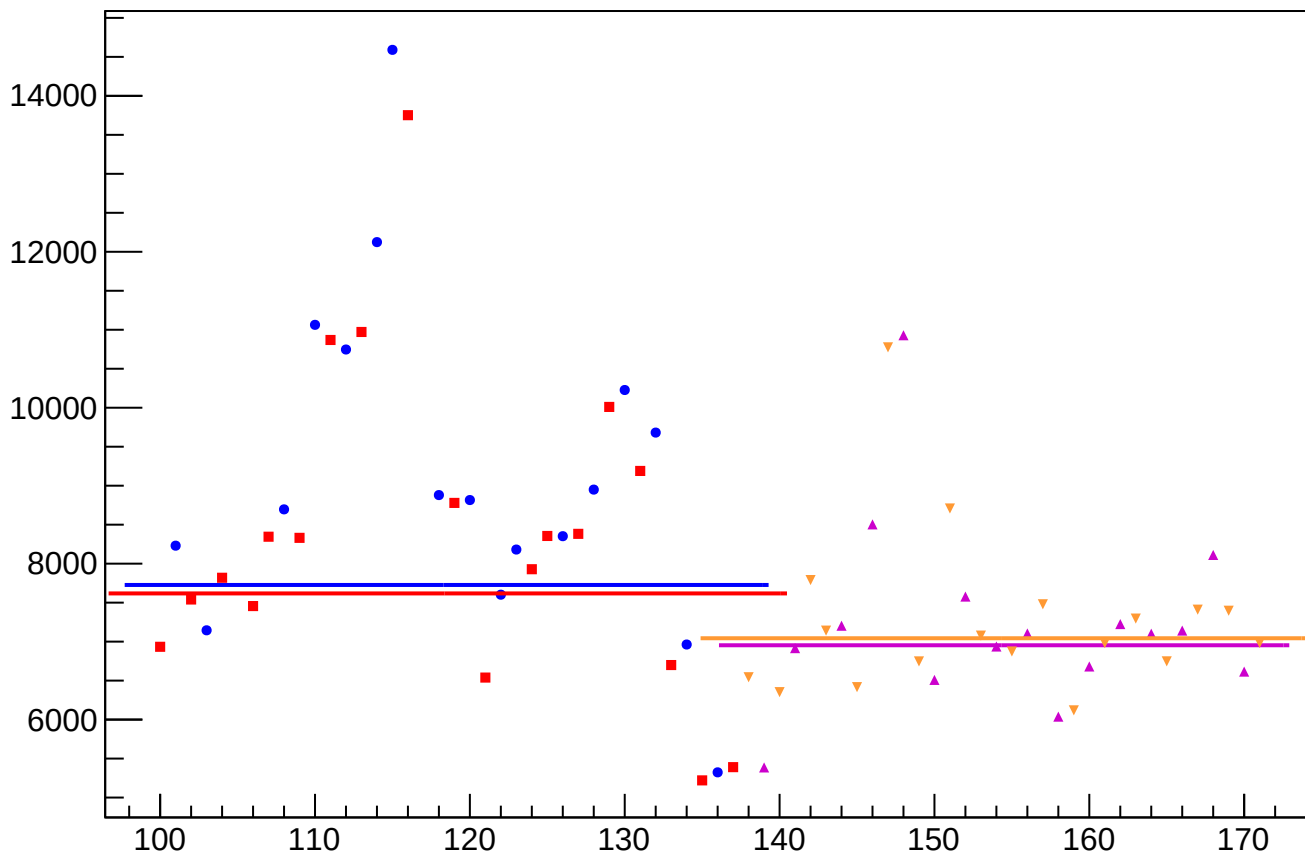
Right: -2.914 $\pm$ 2.128 χ^2/NDF : 38.3/35

In: -0.862 $\pm$ 1.674 χ^2/NDF : 49.6/32

Out: 0.870 $\pm$ 1.617 χ^2/NDF : 40.3/36

All: 0.034 $\pm$ 1.163 χ^2/NDF : 90.4/69

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7043.233 $\pm$ 1.369 χ^2 /NDF:346606.0/17

Right Out: 7618.206 $\pm$ 2.079 χ^2 /NDF: 675125.4/18

Left In: 6953.293 $\pm$ 1.409 χ^2 /NDF:482647.7/15

Left: 6999.551 $\pm$ 0.982 χ^2 /NDF: 831348.9/33

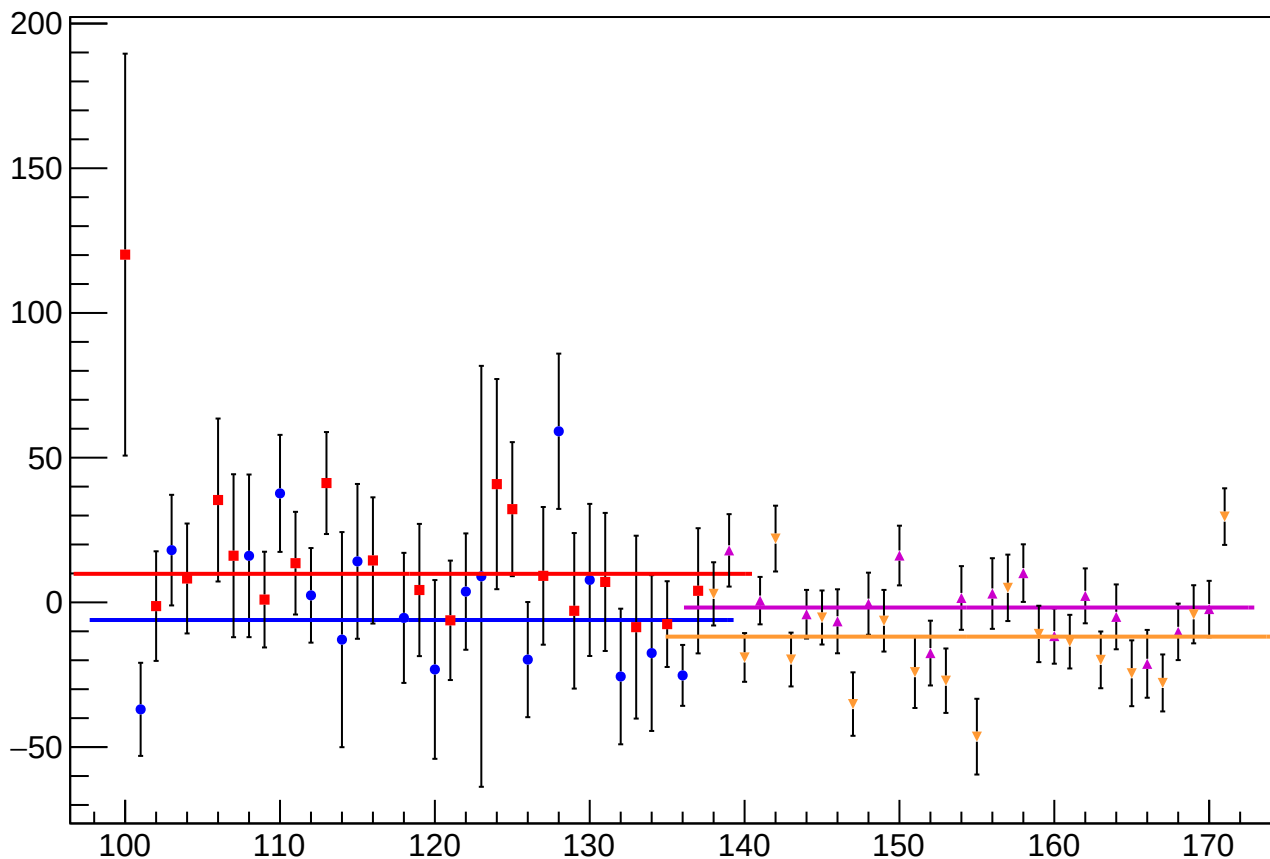
Right: 7669.883 $\pm$ 1.504 χ^2 /NDF: 1418936.4/35

In: 7181.175 $\pm$ 1.184 χ^2 /NDF:1313921.7/32

Out: 7217.254 $\pm$ 1.144 χ^2 /NDF:1075090.9/36

All: 7199.834 $\pm$ 0.822 χ^2 /NDF: 2389493.2/69

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -11.839 ± 2.429 $\chi^2/\text{NDF}: 52.6/17$

Right Out: 9.864 ± 5.004 $\chi^2/\text{NDF}: 11.6/18$

Left In: -1.781 ± 2.555 $\chi^2/\text{NDF}: 14.4/15$

Left: -7.064 ± 1.761 $\chi^2/\text{NDF}: 75.1/33$

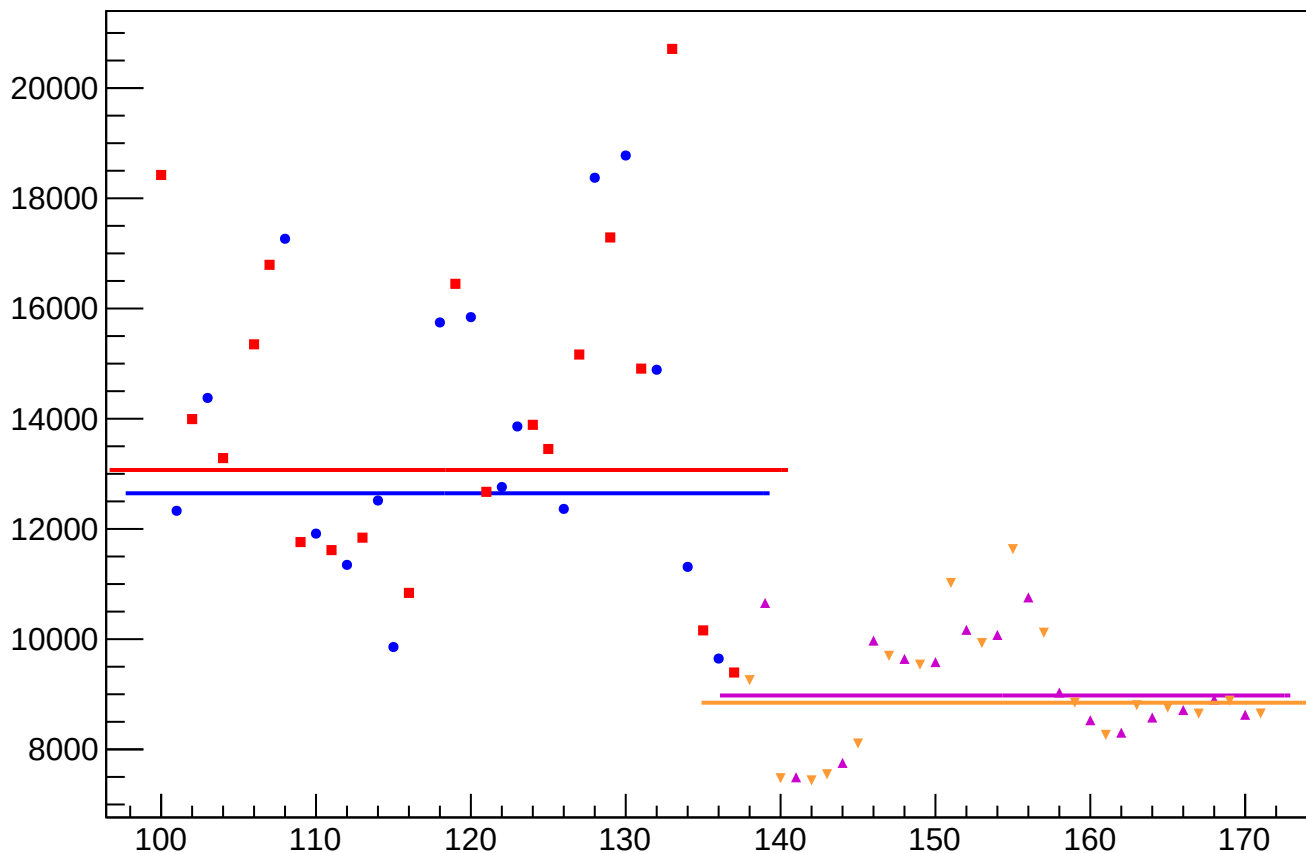
Right: 1.934 ± 3.549 $\chi^2/\text{NDF}: 39.6/35$

In: -2.664 ± 2.279 $\chi^2/\text{NDF}: 37.8/32$

Out: -7.699 ± 2.185 $\chi^2/\text{NDF}: 79.5/36$

All: -5.287 ± 1.577 $\chi^2/\text{NDF}: 119.9/69$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2/NDF : 554320.4/16

Left Out: 8846.872 $\pm$ 1.718 χ^2/NDF : 363962.5/17

Right Out: 13069.930 $\pm$ 3.538 χ^2/NDF : 496271.7/18

Left In: 8978.107 $\pm$ 1.807 χ^2/NDF : 280797.3/15

Left: 8909.172 $\pm$ 1.245 χ^2/NDF : 647530.5/33

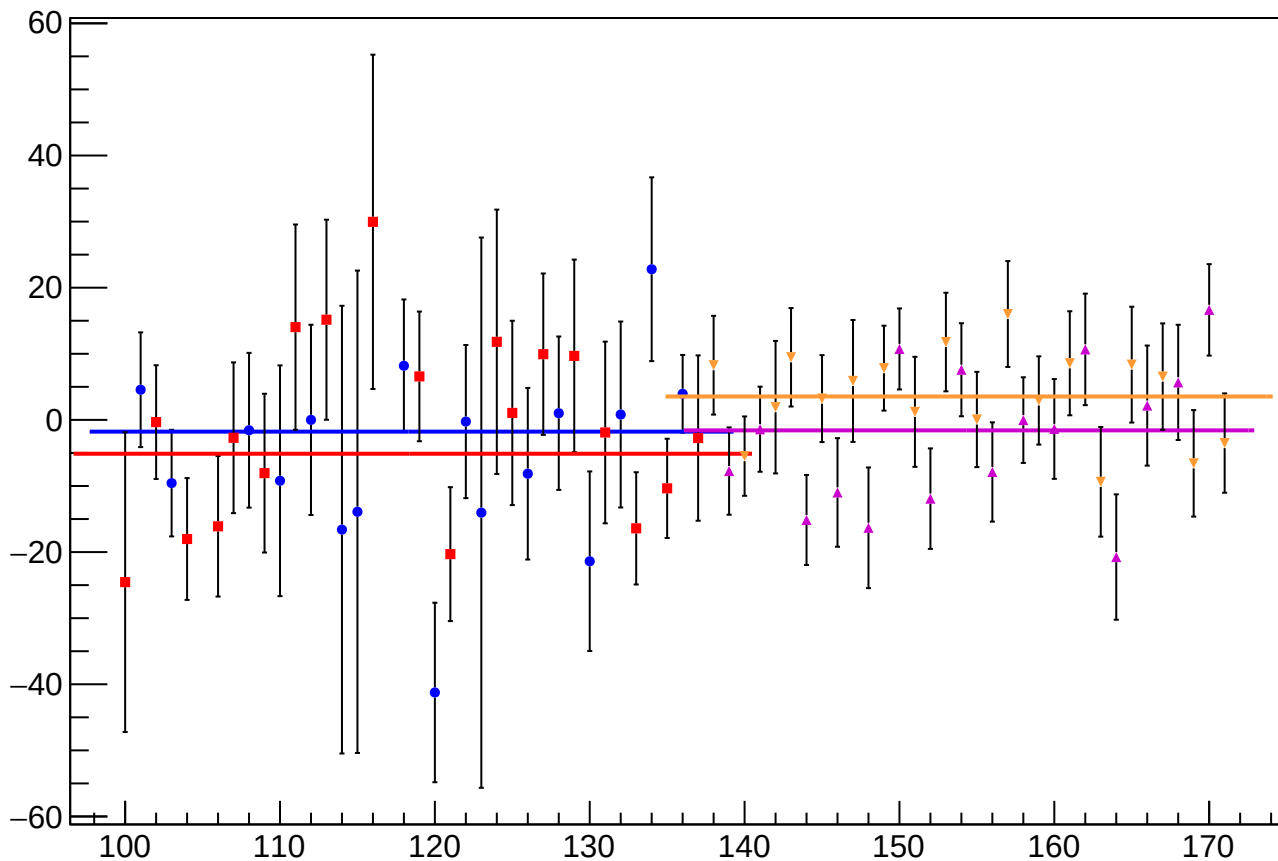
Right: 12859.864 $\pm$ 2.509 χ^2/NDF : 1057685.3/35

In: 9729.965 $\pm$ 1.611 χ^2/NDF : 1680011.4/32

Out: 9652.496 $\pm$ 1.545 χ^2/NDF : 2013171.5/36

All: 9689.613 $\pm$ 1.115 χ^2/NDF : 3694387.1/69

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 3.541 ± 1.783 χ^2/NDF : 13.5/17

Right Out: -5.122 ± 2.642 χ^2/NDF : 18.9/18

Left In: -1.588 ± 1.857 χ^2/NDF : 31.1/15

Left: 1.082 ± 1.286 χ^2/NDF : 48.6/33

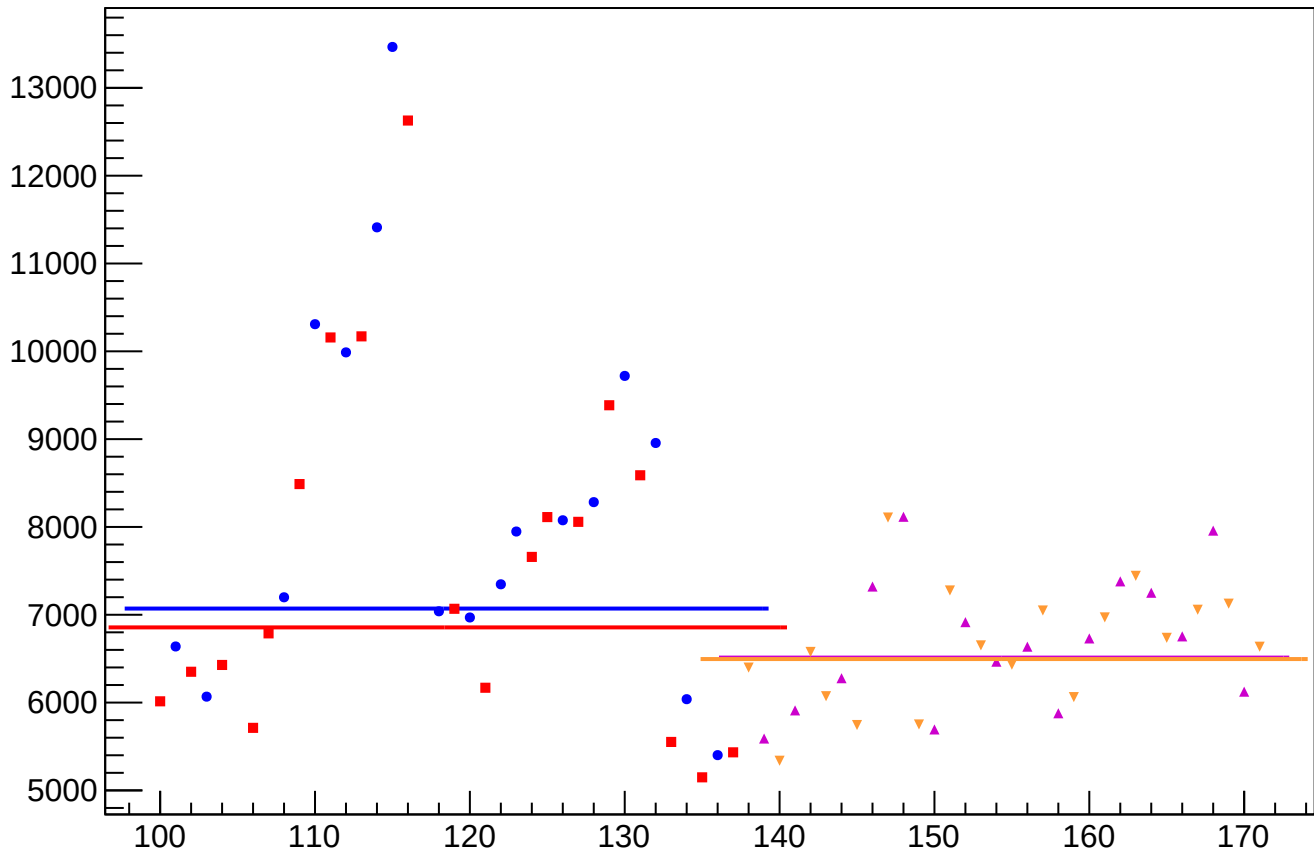
Right: -3.550 ± 1.923 χ^2/NDF : 37.6/35

In: -1.646 ± 1.549 χ^2/NDF : 49.1/32

Out: 0.831 ± 1.478 χ^2/NDF : 39.8/36

All: -0.349 ± 1.069 χ^2/NDF : 90.2/69

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6495.684 $\pm$ 1.261 χ^2 /NDF:289605.5/17

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

Left In: 6512.344 $\pm$ 1.313 χ^2 /NDF:298656.9/15

Left: 6503.673 $\pm$ 0.909 χ^2 /NDF: 588346.1/33

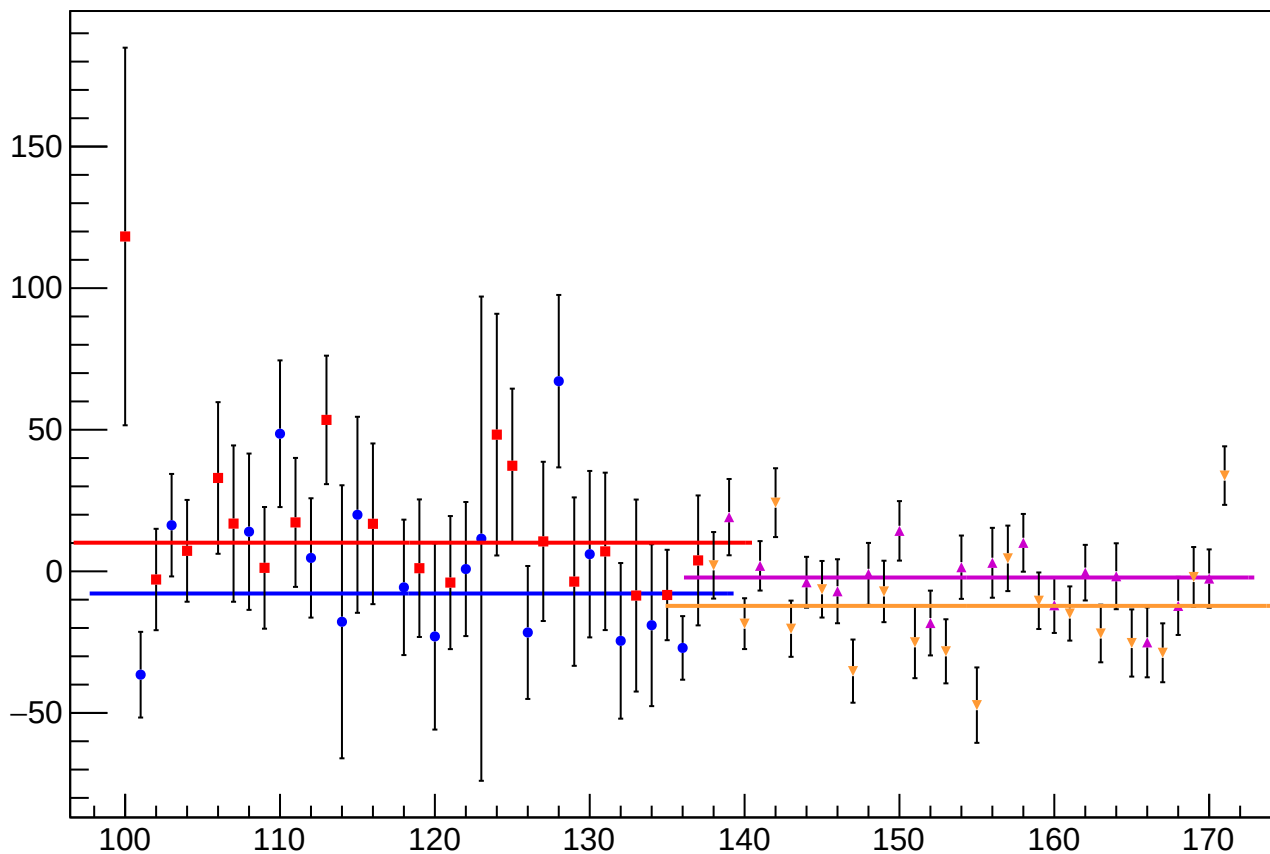
Right: 6956.947 $\pm$ 1.360 χ^2 /NDF: 1290110.2/35

In: 6682.424 $\pm$ 1.095 χ^2 /NDF:955411.8/32

Out: 6608.456 $\pm$ 1.045 χ^2 /NDF:997408.4/36

All: 6643.706 $\pm$ 0.756 χ^2 /NDF: 1955208.3/69

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -12.195 ± 2.536 $\chi^2/\text{NDF}: 54.1/17$

Right Out: 10.117 ± 5.571 $\chi^2/\text{NDF}: 12.2/18$

Left In: -2.177 ± 2.655 $\chi^2/\text{NDF}: 14.6/15$

Left: -7.416 ± 1.834 $\chi^2/\text{NDF}: 76.1/33$

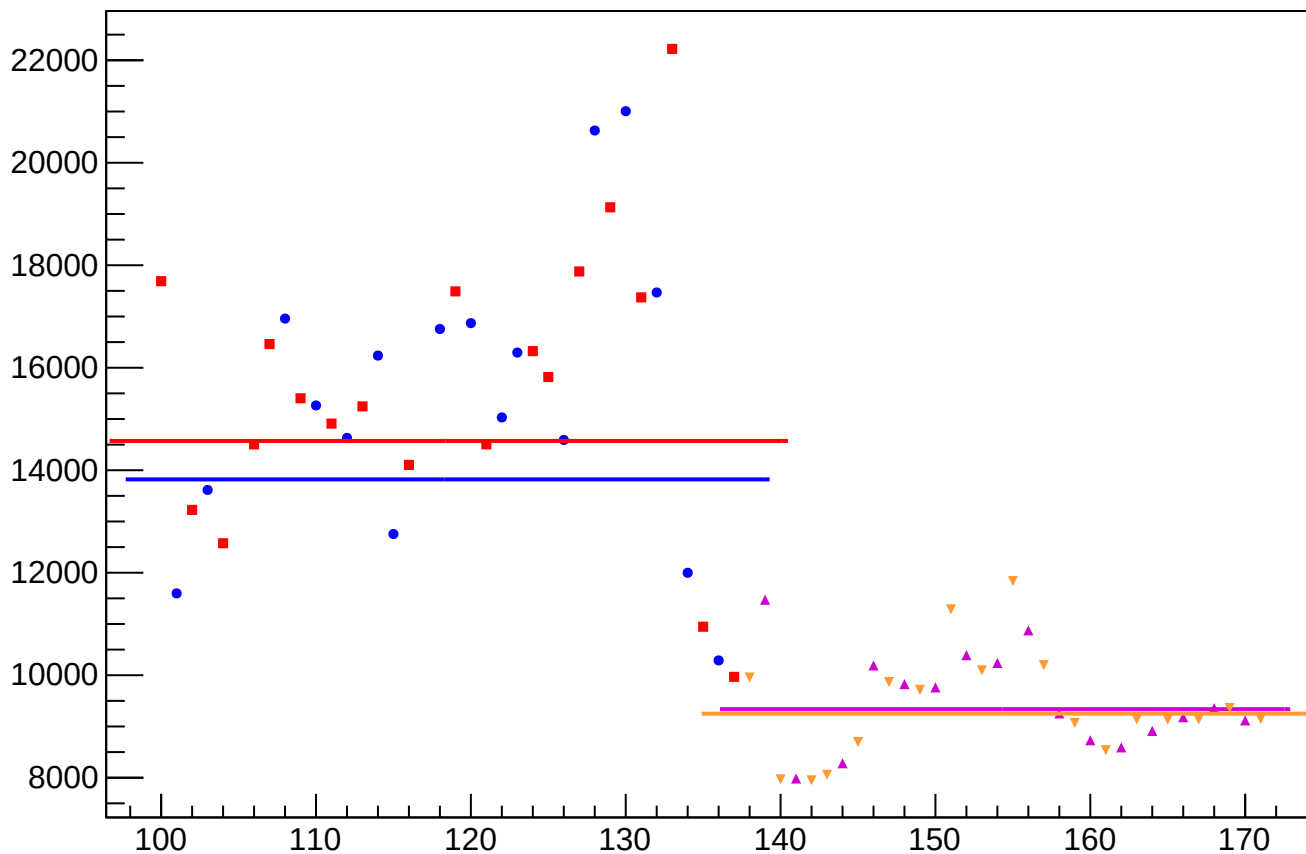
Right: 1.056 ± 3.920 $\chi^2/\text{NDF}: 39.7/35$

In: -3.239 ± 2.392 $\chi^2/\text{NDF}: 37.7/32$

Out: -8.366 ± 2.308 $\chi^2/\text{NDF}: 79.5/36$

All: -5.895 ± 1.661 $\chi^2/\text{NDF}: 119.6/69$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2 /NDF: 602672.4/16

Left Out: 9249.759 $\pm$ 1.793 χ^2 /NDF: 280149.5/17

Right Out: 14572.437 $\pm$ 3.939 χ^2 /NDF: 472468.2/18

Left In: 9337.795 $\pm$ 1.877 χ^2 /NDF: 228979.9/15

Left: 9291.752 $\pm$ 1.297 χ^2 /NDF: 510279.4/33

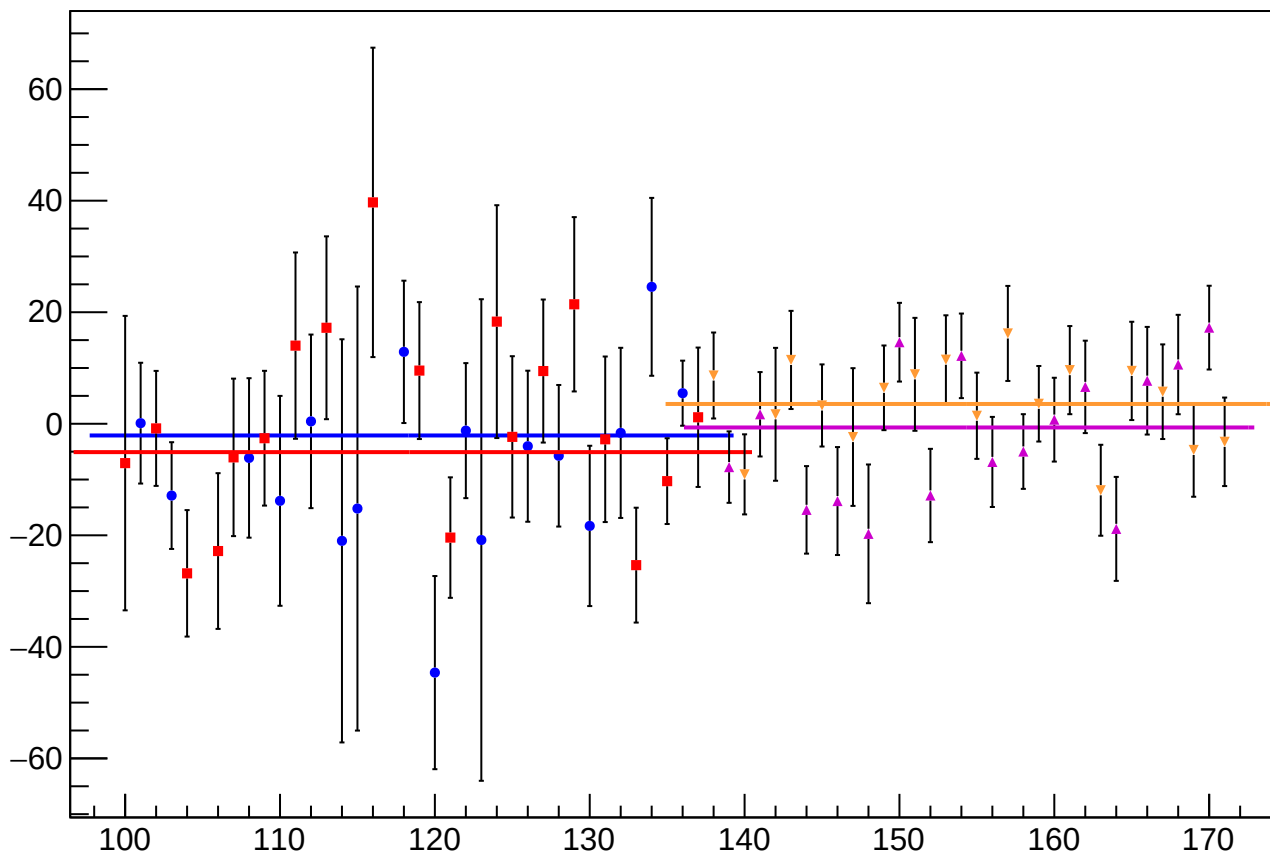
Right: 14193.062 $\pm$ 2.772 χ^2 /NDF: 1093505.5/35

In: 10181.232 $\pm$ 1.692 χ^2 /NDF: 1904466.0/32

Out: 10163.137 $\pm$ 1.632 χ^2 /NDF: 2264917.5/36

All: 10171.859 $\pm$ 1.174 χ^2 /NDF: 4169442.7/69

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 3.549 ± 1.945 χ^2/NDF : 14.7/17

Right Out: -5.085 ± 2.962 χ^2/NDF : 24.8/18

Left In: -0.664 ± 2.002 χ^2/NDF : 32.4/15

Left: 1.503 ± 1.395 χ^2/NDF : 49.4/33

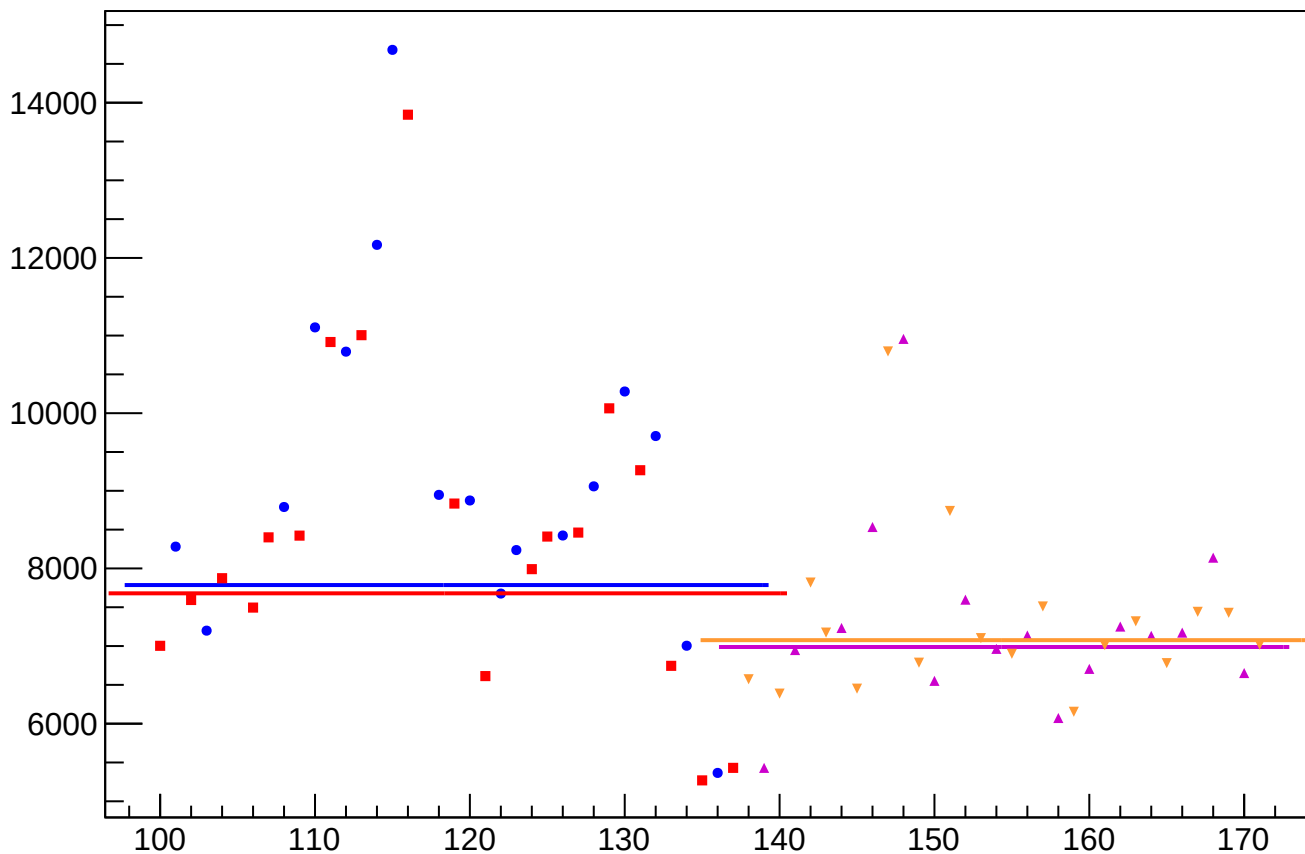
Right: -3.662 ± 2.144 χ^2/NDF : 40.9/35

In: -1.085 ± 1.683 χ^2/NDF : 48.2/32

Out: 0.948 ± 1.626 χ^2/NDF : 45.4/36

All: -0.034 ± 1.169 χ^2/NDF : 94.4/69

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7075.868+/-1.375 χ^2/NDF : 342679.0/17

Right Out: 7679.182+/-2.095 χ^2/NDF : 668736.8/18

Left In: 6987.722+/-1.416 χ^2/NDF : 474601.6/15

Left: 7033.068+/-0.987 χ^2/NDF : 819274.7/33

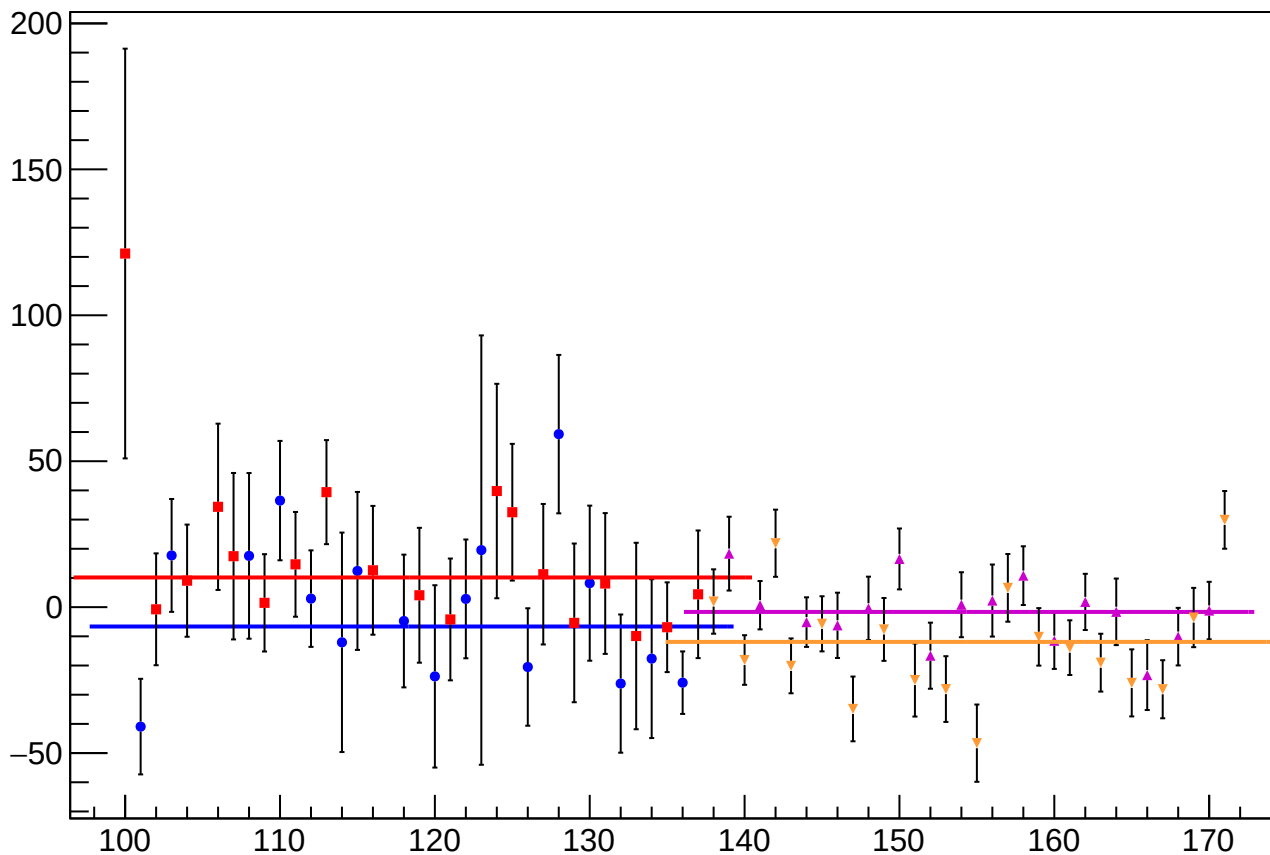
Right: 7730.020+/-1.516 χ^2/NDF : 1408075.7/35

In: 7221.997+/-1.190 χ^2/NDF : 1305994.4/32

Out: 7257.646+/-1.150 χ^2/NDF : 1069382.5/36

All: 7240.435+/-0.827 χ^2/NDF : 2375841.0/69

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -11.905 ± 2.456 χ^2/NDF : 52.2/17

Right Out: 10.172 ± 5.075 χ^2/NDF : 10.8/18

Left In: -1.639 ± 2.587 χ^2/NDF : 14.6/15

Left: -7.038 ± 1.781 χ^2/NDF : 75.1/33

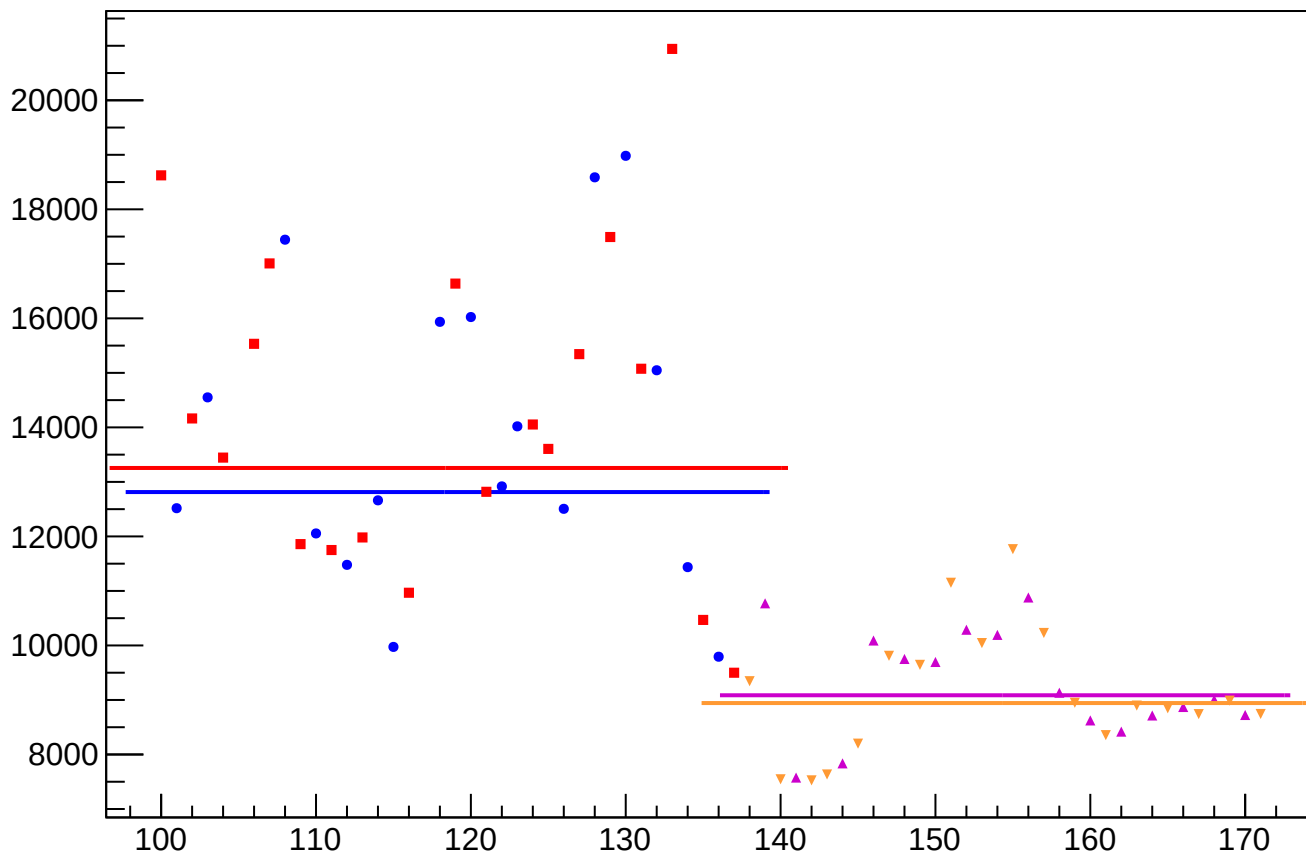
Right: 1.813 ± 3.598 χ^2/NDF : 39.7/35

In: -2.661 ± 2.307 χ^2/NDF : 38.7/32

Out: -7.716 ± 2.211 χ^2/NDF : 78.4/36

All: -5.296 ± 1.596 χ^2/NDF : 119.6/69

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8943.453+/-1.737 χ^2/NDF : 365597.6/17

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

Left In: 9086.217+/-1.829 χ^2/NDF : 280156.6/15

Left: 9011.132+/-1.259 χ^2/NDF : 648958.0/33

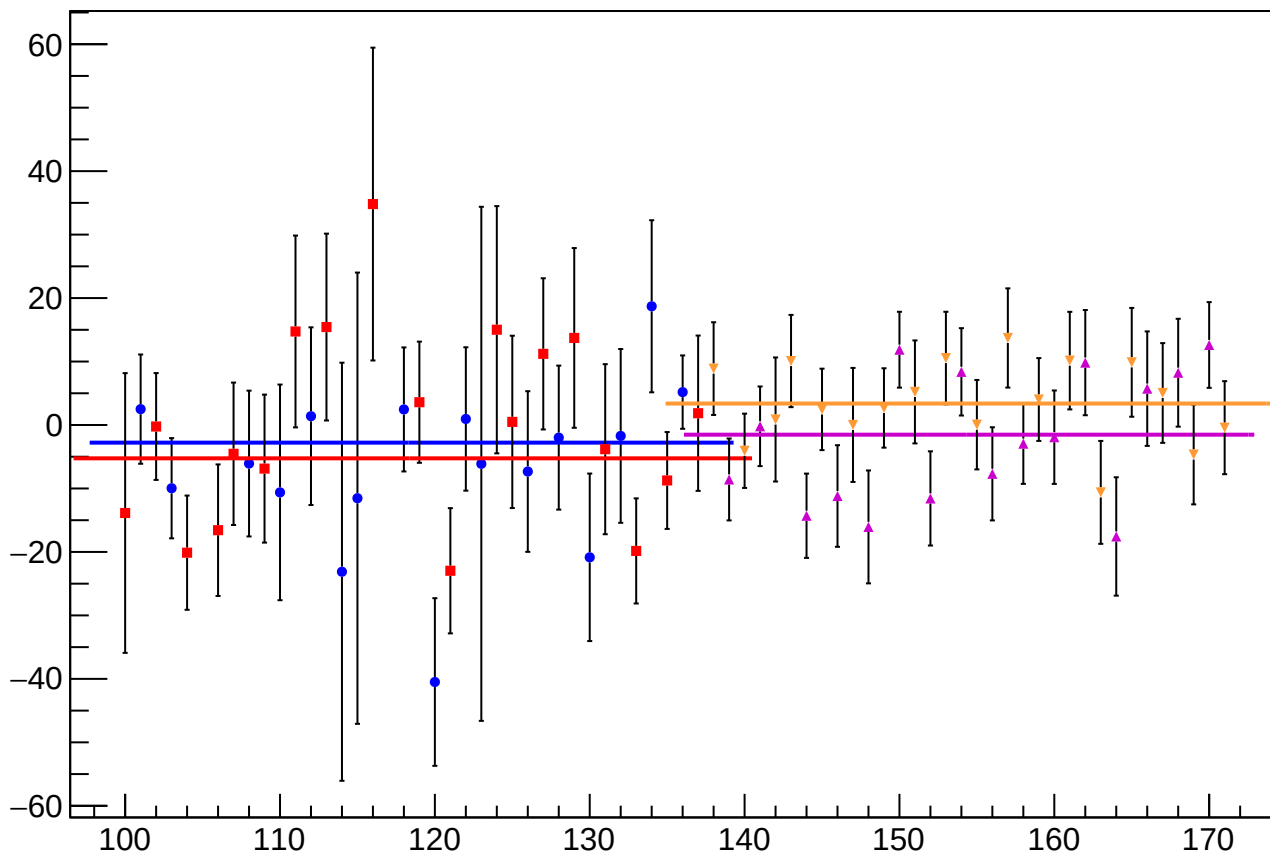
Right: 13035.784+/-2.544 χ^2/NDF : 1039954.9/35

In: 9848.661+/-1.631 χ^2/NDF : 1677691.3/32

Out: 9761.742+/-1.563 χ^2/NDF : 2019867.6/36

All: 9803.346+/-1.129 χ^2/NDF : 3699038.8/69

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.381 ± 1.740 χ^2/NDF : 12.0/17

Right Out: -5.252 ± 2.590 χ^2/NDF : 23.5/18

Left In: -1.526 ± 1.815 χ^2/NDF : 29.9/15

Left: 1.031 ± 1.256 χ^2/NDF : 45.7/33

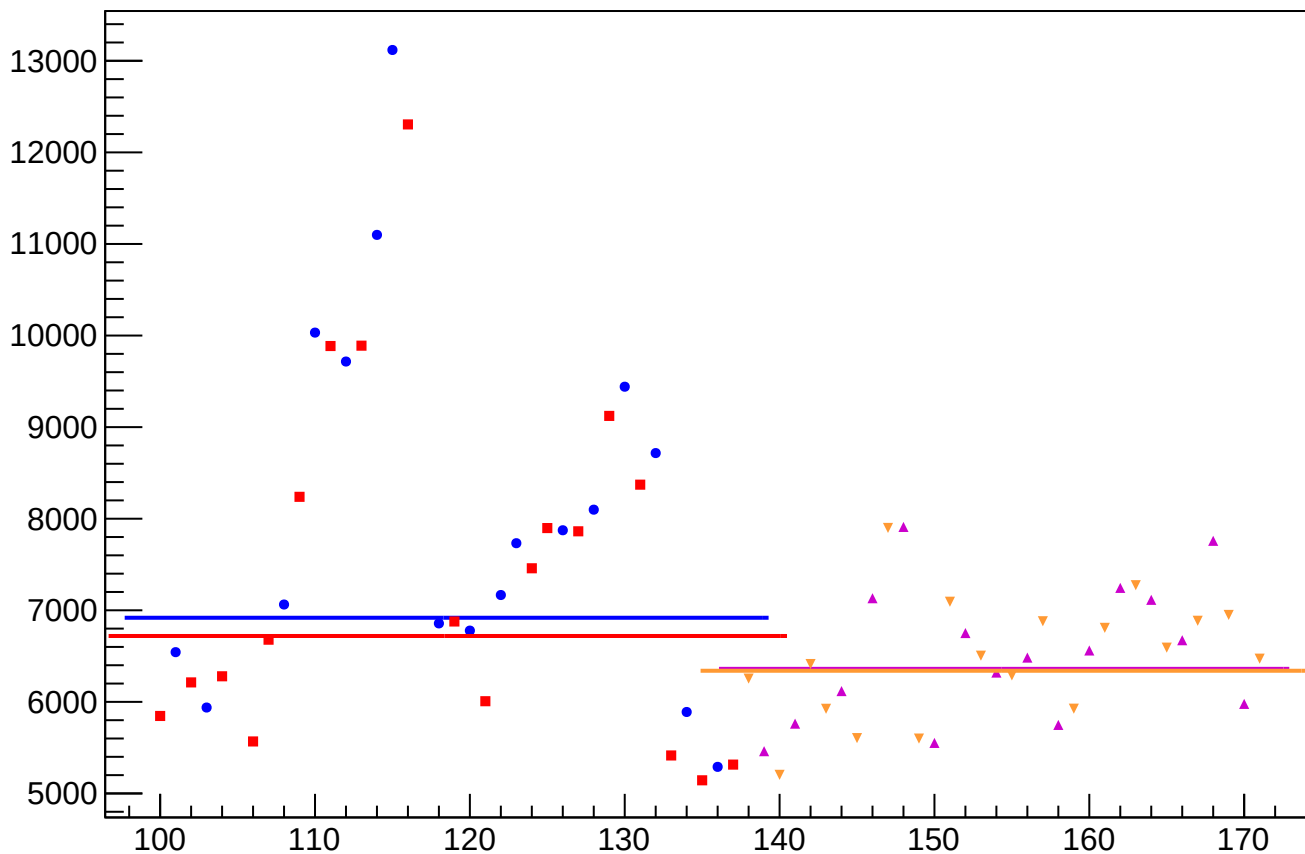
Right: -4.088 ± 1.884 χ^2/NDF : 41.0/35

In: -1.906 ± 1.514 χ^2/NDF : 47.1/32

Out: 0.696 ± 1.444 χ^2/NDF : 43.1/36

All: -0.544 ± 1.045 χ^2/NDF : 91.8/69

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6339.793 ± 1.230 $\chi^2/\text{NDF}: 290973.5/17$

Right Out: 6719.404 ± 1.831 $\chi^2/\text{NDF}: 653831.7/18$

Left In: 6360.682 ± 1.283 $\chi^2/\text{NDF}: 300661.3/15$

Left: 6349.798 ± 0.888 $\chi^2/\text{NDF}: 591772.9/33$

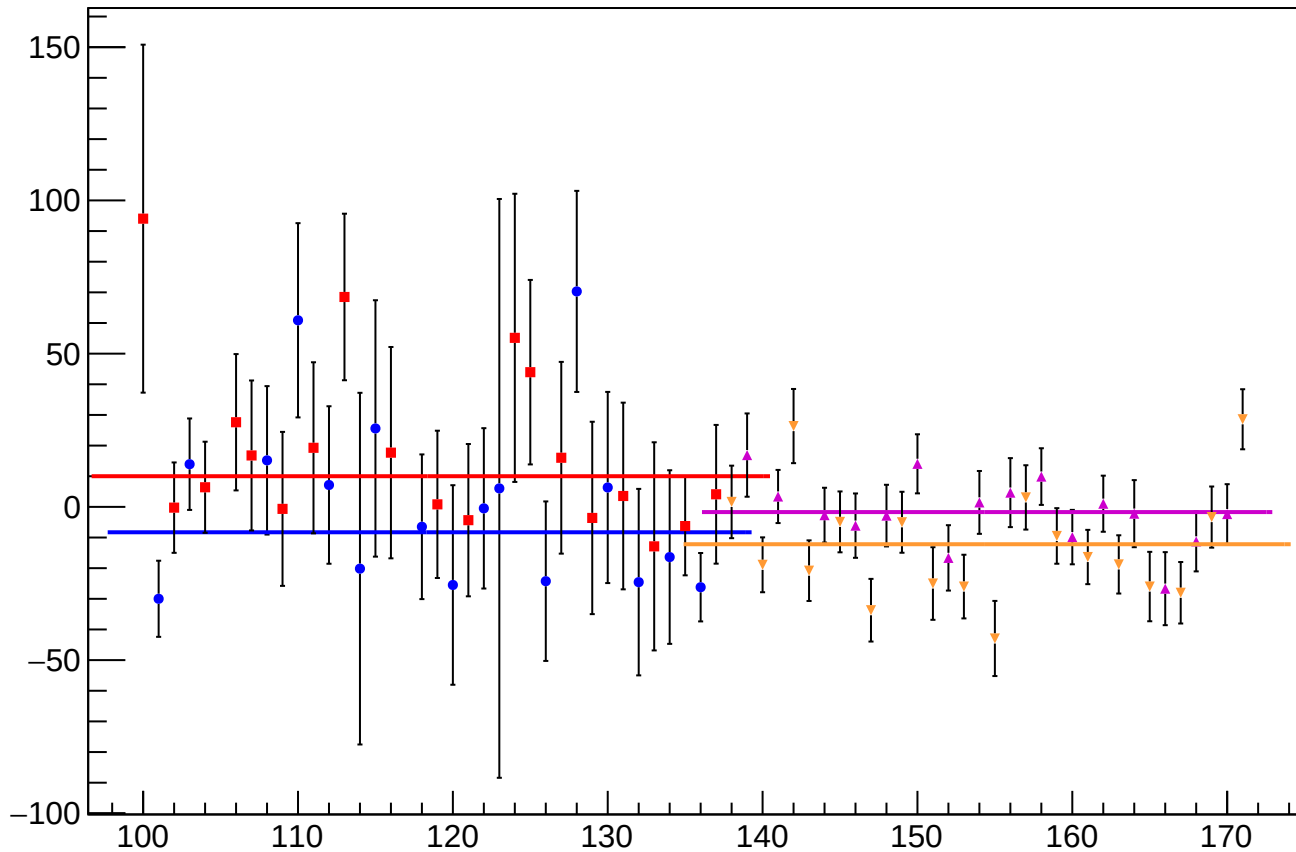
Right: 6813.106 ± 1.332 $\chi^2/\text{NDF}: 1247373.6/35$

In: 6530.165 ± 1.071 $\chi^2/\text{NDF}: 946059.2/32$

Out: 6457.858 ± 1.021 $\chi^2/\text{NDF}: 974415.4/36$

All: 6492.302 ± 0.739 $\chi^2/\text{NDF}: 1922862.8/69$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -12.186 ± 2.406 $\chi^2/\text{NDF}: 52.5/17$

Right Out: 10.007 ± 5.513 $\chi^2/\text{NDF}: 12.9/18$

Left In: -1.697 ± 2.501 $\chi^2/\text{NDF}: 15.3/15$

Left: -7.146 ± 1.734 $\chi^2/\text{NDF}: 77.0/33$

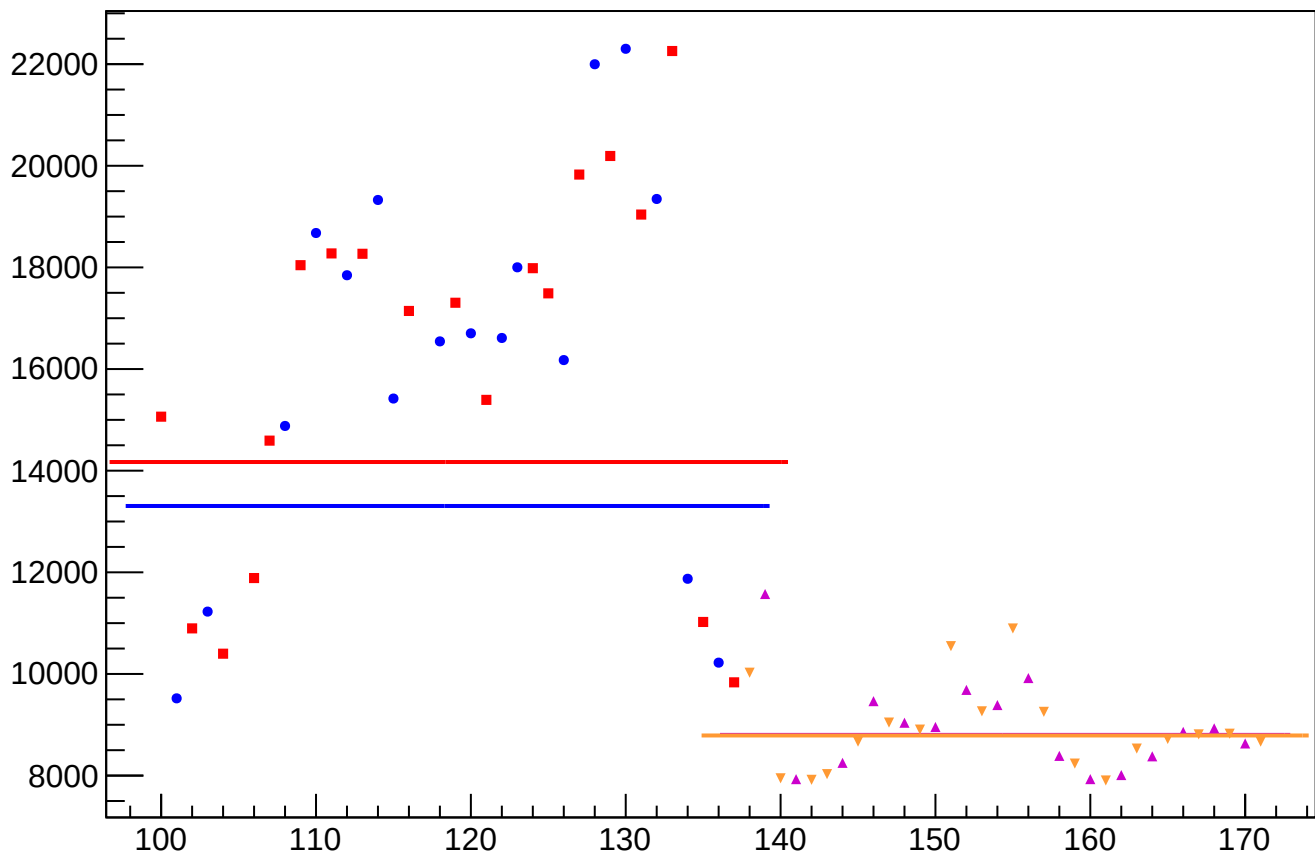
Right: 0.688 ± 3.861 $\chi^2/\text{NDF}: 40.2/35$

In: -2.857 ± 2.270 $\chi^2/\text{NDF}: 38.3/32$

Out: -8.636 ± 2.205 $\chi^2/\text{NDF}: 79.1/36$

All: -5.831 ± 1.582 $\chi^2/\text{NDF}: 120.7/69$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2/NDF : 1044091.1/16

Left Out: 8789.455 $\pm$ 1.701 χ^2/NDF :204008.9/17

Right Out: 14170.668 $\pm$ 3.898 χ^2/NDF : 930612.1/18

Left In: 8800.971 $\pm$ 1.769 χ^2/NDF :202787.2/15

Left: 8794.988 $\pm$ 1.226 χ^2/NDF : 406818.2/33

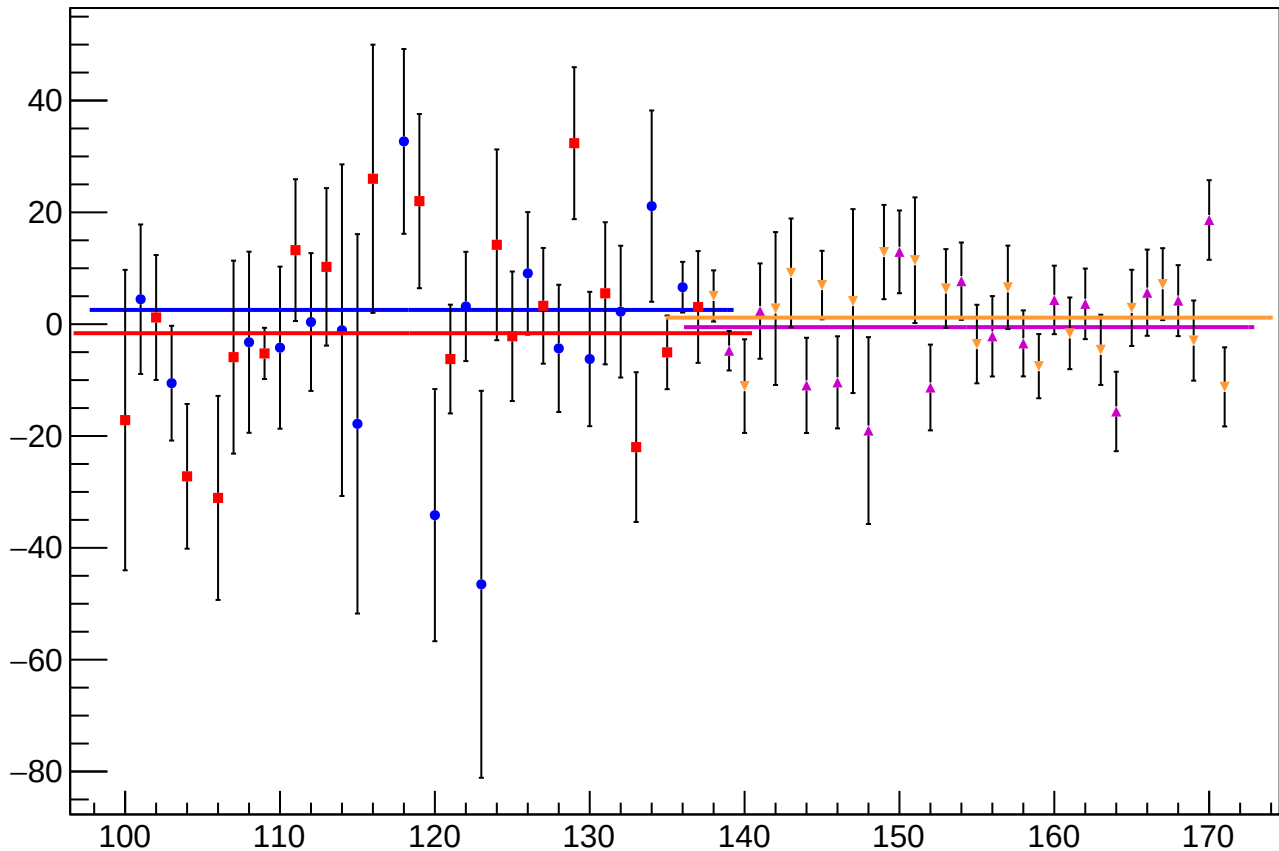
Right: 13729.884 $\pm$ 2.730 χ^2/NDF : 1999799.5/35

In: 9594.322 $\pm$ 1.605 χ^2/NDF :2389113.2/32

Out: 9650.220 $\pm$ 1.559 χ^2/NDF :2735289.3/36

All: 9623.090 $\pm$ 1.118 χ^2/NDF : 5125026.3/69

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 $\pm$ 2.757 χ^2/NDF : 13.6/16

Left Out: 1.170 $\pm$ 1.681 χ^2/NDF : 16.4/17

Right Out: -1.613 $\pm$ 2.442 χ^2/NDF : 24.0/18

Left In: -0.528 $\pm$ 1.660 χ^2/NDF : 26.7/15

Left: 0.310 $\pm$ 1.181 χ^2/NDF : 43.6/33

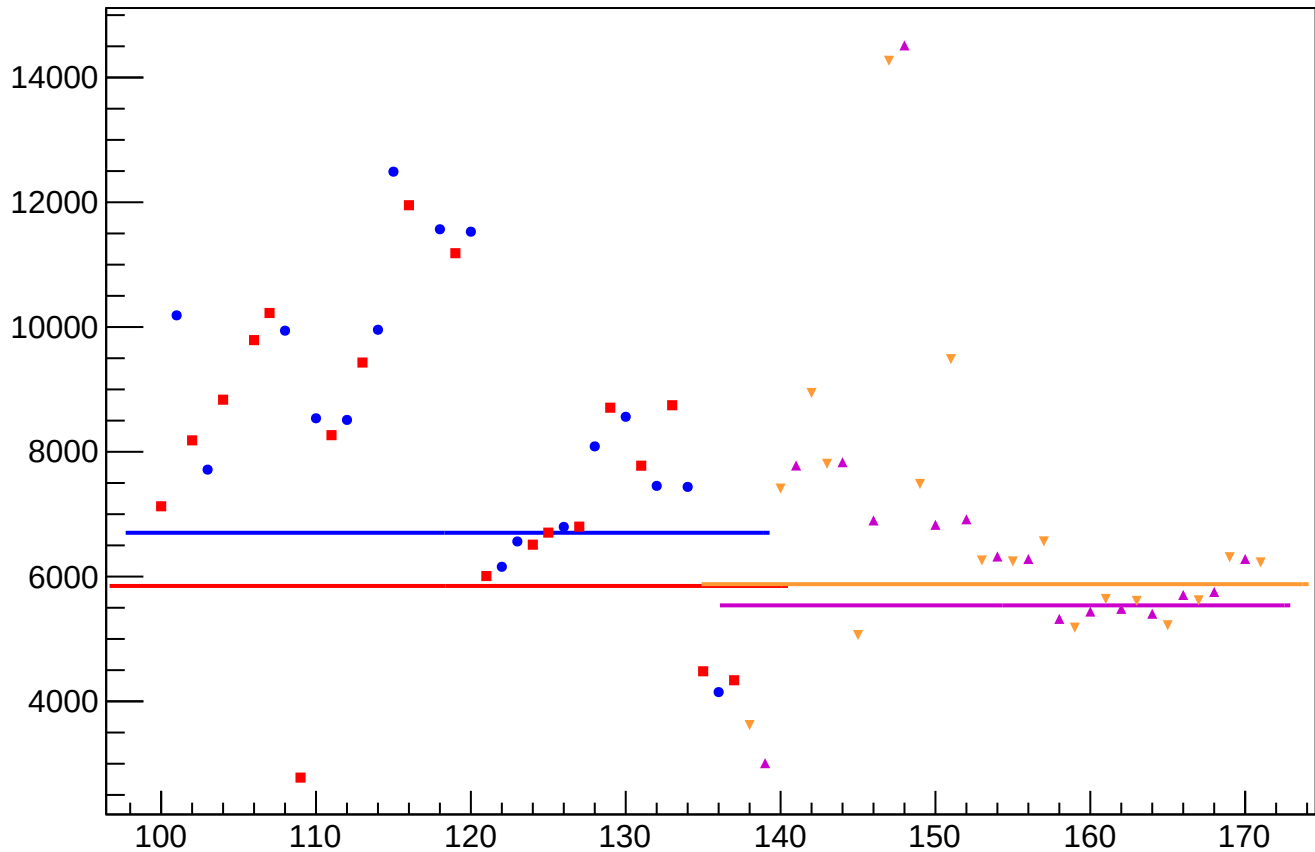
Right: 0.218 $\pm$ 1.828 χ^2/NDF : 38.9/35

In: 0.291 $\pm$ 1.422 χ^2/NDF : 41.2/32

Out: 0.275 $\pm$ 1.385 χ^2/NDF : 41.3/36

All: 0.283 $\pm$ 0.992 χ^2/NDF : 82.6/69

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5878.137+/-1.189 χ^2/NDF : 1665469.1/17

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

Left In: 5538.358+/-1.173 χ^2/NDF : 2141596.5/15

Left: 5706.030+/-0.835 χ^2/NDF : 3848436.8/33

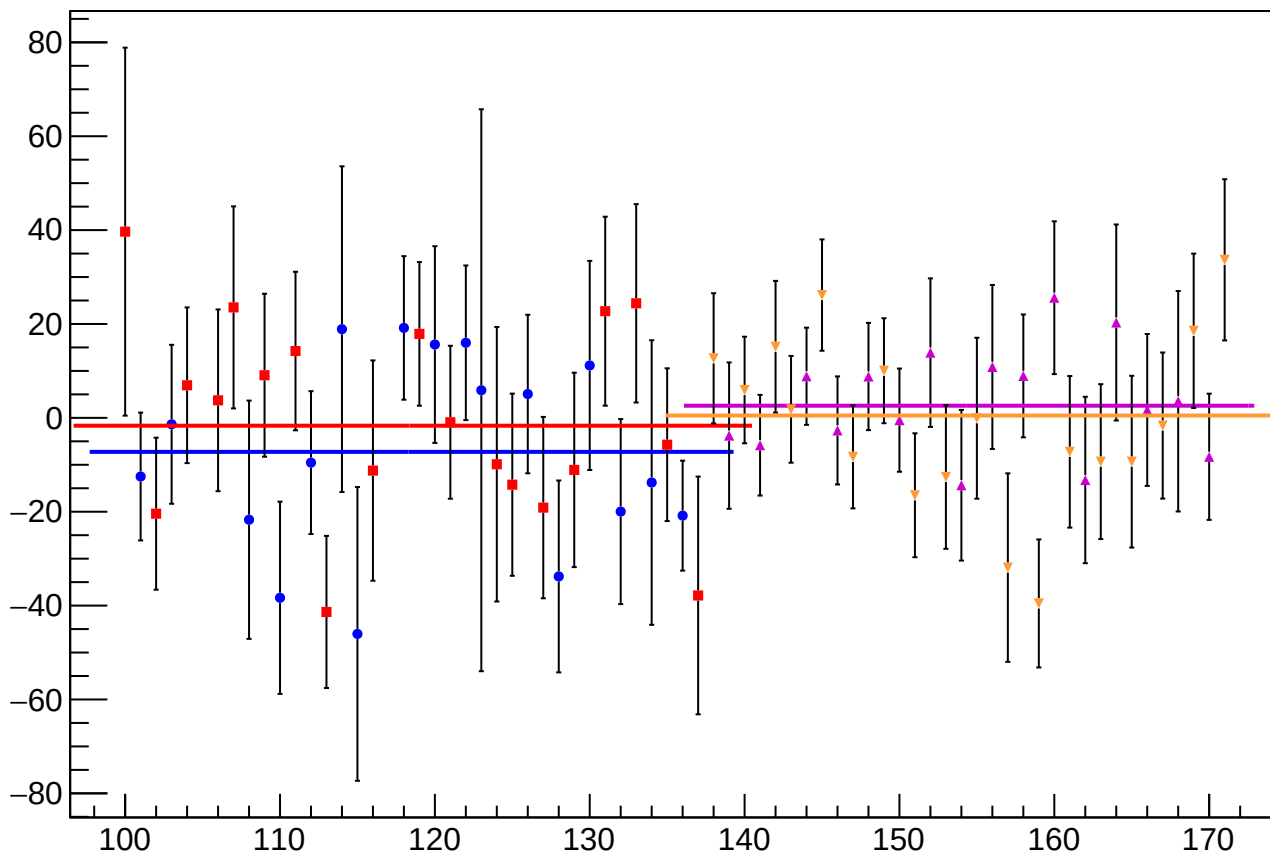
Right: 6224.538+/-1.293 χ^2/NDF : 3775609.7/35

In: 5847.948+/-1.005 χ^2/NDF : 3793215.4/32

Out: 5868.963+/-0.979 χ^2/NDF : 3944118.8/36

All: 5858.732+/-0.701 χ^2/NDF : 7737558.4/69

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 0.499 ± 3.294 χ^2/NDF : 27.6/17

Right Out: -1.671 ± 4.373 χ^2/NDF : 19.9/18

Left In: 2.590 ± 3.470 χ^2/NDF : 8.0/15

Left: 1.490 ± 2.389 χ^2/NDF : 35.8/33

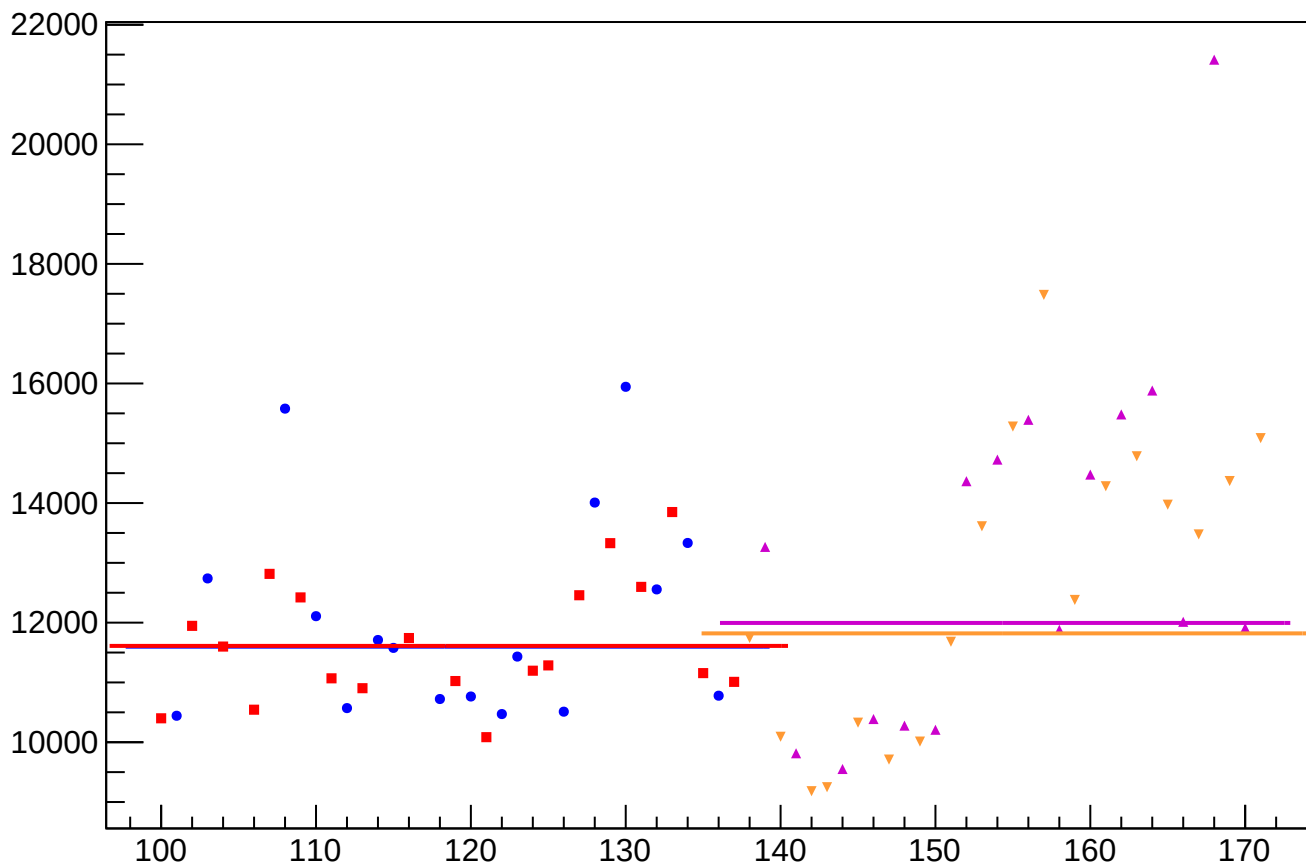
Right: -4.349 ± 3.152 χ^2/NDF : 36.6/35

In: -1.031 ± 2.759 χ^2/NDF : 26.9/32

Out: -0.286 ± 2.631 χ^2/NDF : 47.6/36

All: -0.641 ± 1.904 χ^2/NDF : 74.5/69

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 11820.418+/-2.329 χ^2/NDF : 930459.2/17

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

Left In: 11995.086+/-2.454 χ^2/NDF : 1038058.2/15

Left: 11903.200+/-1.689 χ^2/NDF : 1971182.6/33

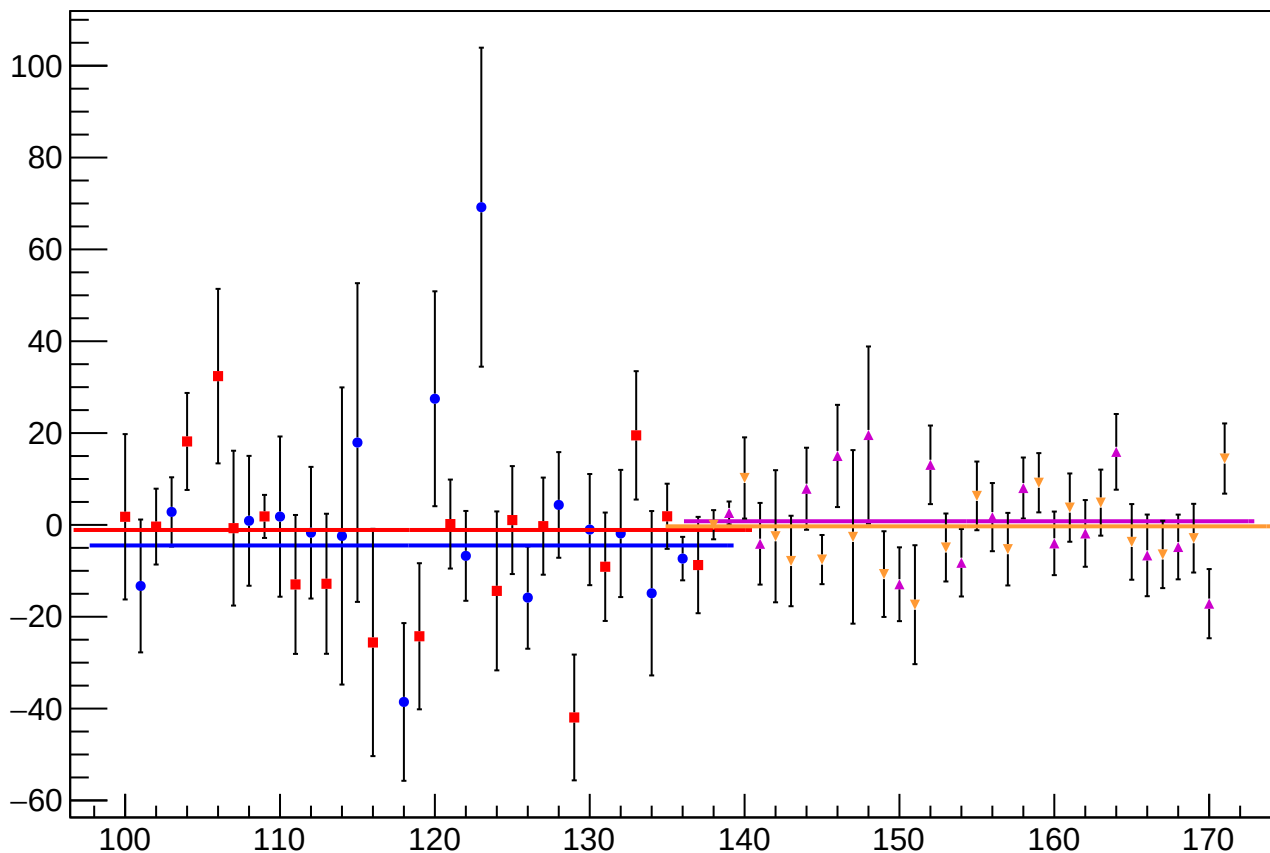
Right: 11605.084+/-2.229 χ^2/NDF : 329878.2/35

In: 11849.196+/-1.951 χ^2/NDF : 1283084.1/32

Out: 11744.589+/-1.860 χ^2/NDF : 1027834.1/36

All: 11794.417+/-1.346 χ^2/NDF : 2312424.1/6

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.310 ± 1.657 χ^2/NDF : 16.1/17

Right Out: -1.105 ± 2.429 χ^2/NDF : 24.0/18

Left In: 0.798 ± 1.600 χ^2/NDF : 22.7/15

Left: 0.264 ± 1.151 χ^2/NDF : 39.1/33

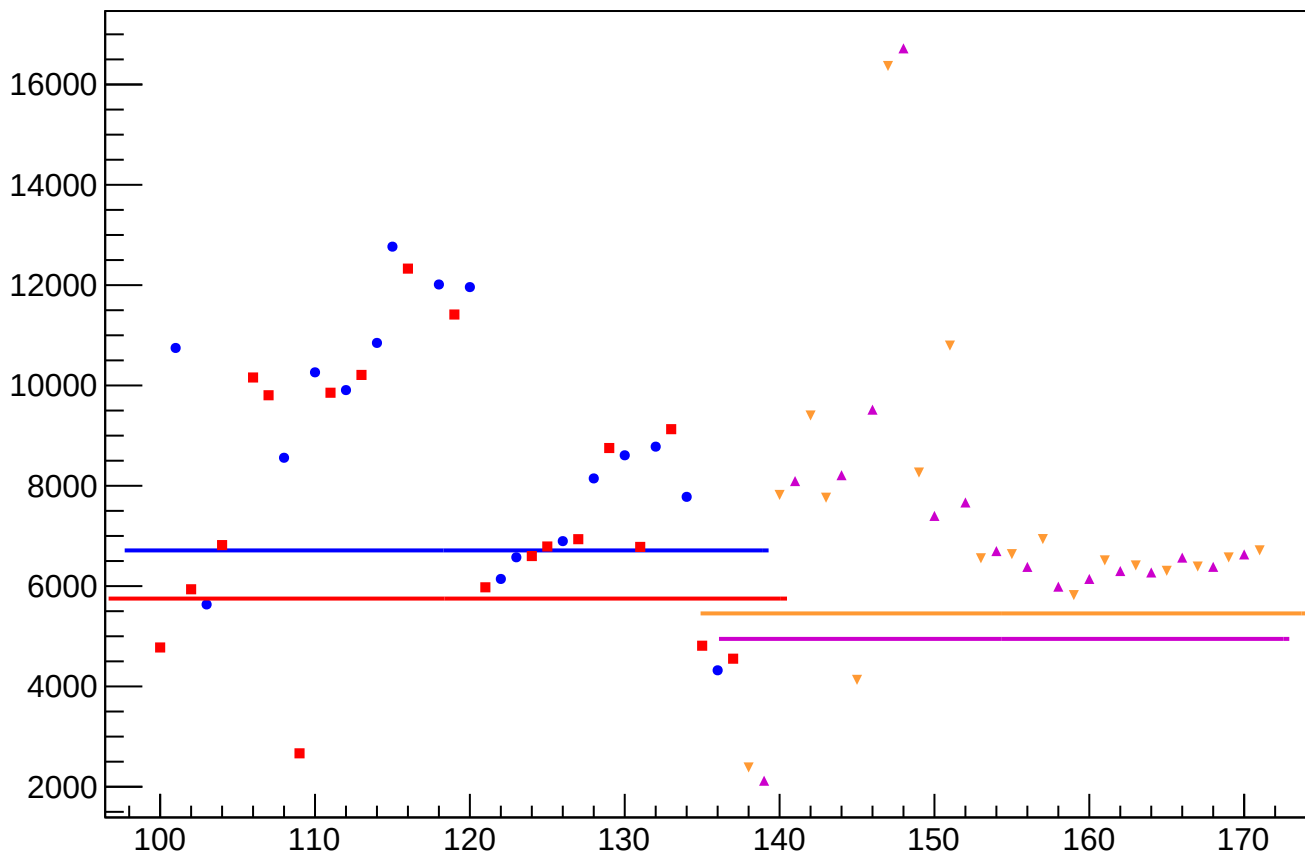
Right: -2.563 ± 1.830 χ^2/NDF : 39.7/35

In: -0.513 ± 1.387 χ^2/NDF : 40.3/32

Out: -0.563 ± 1.369 χ^2/NDF : 40.2/36

All: -0.538 ± 0.974 χ^2/NDF : 80.5/69

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5455.628+/-1.172 χ^2/NDF : 3980025.9/17

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

Left In: 4947.708+/-1.132 χ^2/NDF : 5232148.3/15

Left: 5192.761+/-0.814 χ^2/NDF : 9309382.1/33

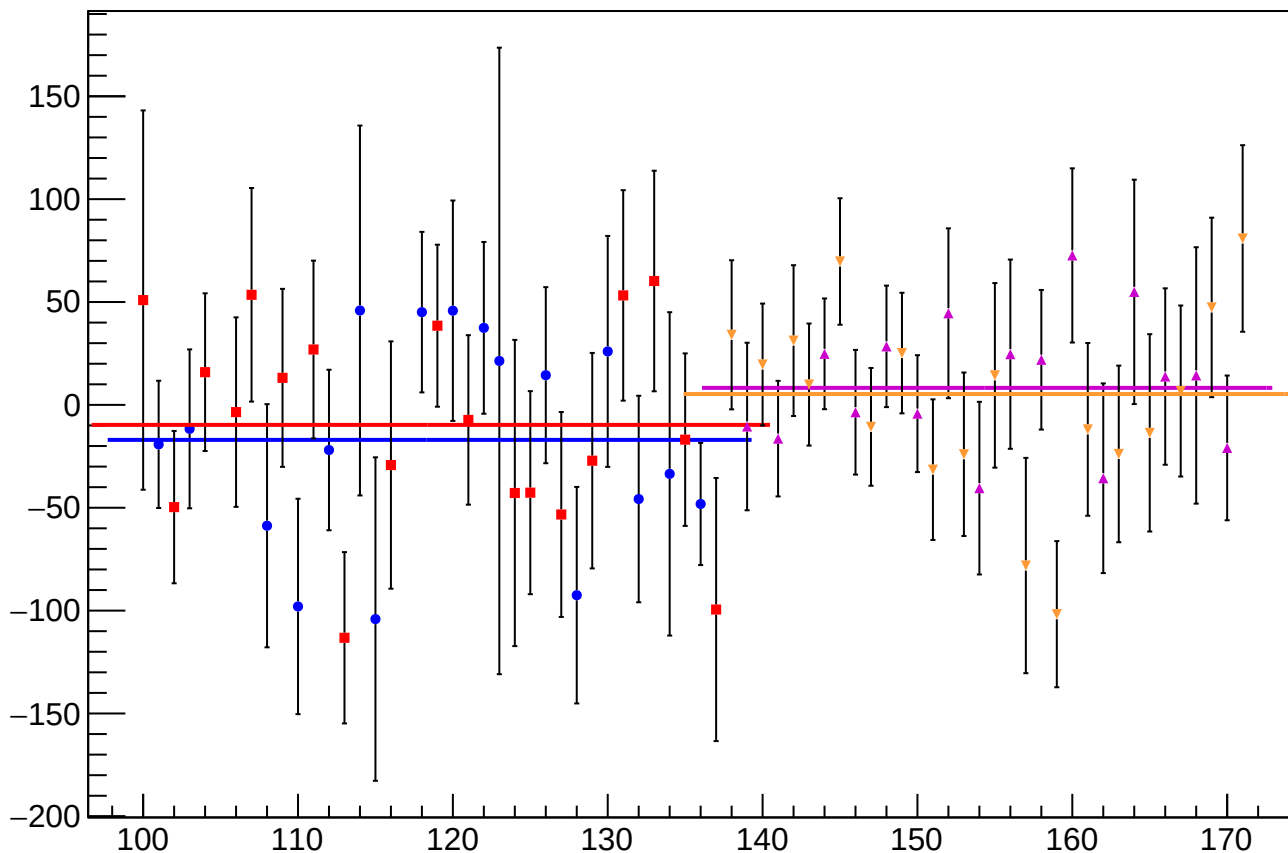
Right: 6166.836+/-1.294 χ^2/NDF : 3747249.5/35

In: 5386.302+/-0.981 χ^2/NDF : 7283303.5/32

Out: 5549.625+/-0.968 χ^2/NDF : 6165384.4/36

All: 5469.033+/-0.689 χ^2/NDF : 13462733.1/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 $\pm$ 11.287 χ^2/NDF : 15.0/16

Left Out: 5.267 $\pm$ 8.605 χ^2/NDF : 24.4/17

Right Out: -9.719 $\pm$ 10.891 χ^2/NDF : 19.1/18

Left In: 8.274 $\pm$ 9.055 χ^2/NDF : 9.3/15

Left: 6.694 $\pm$ 6.238 χ^2/NDF : 33.7/33

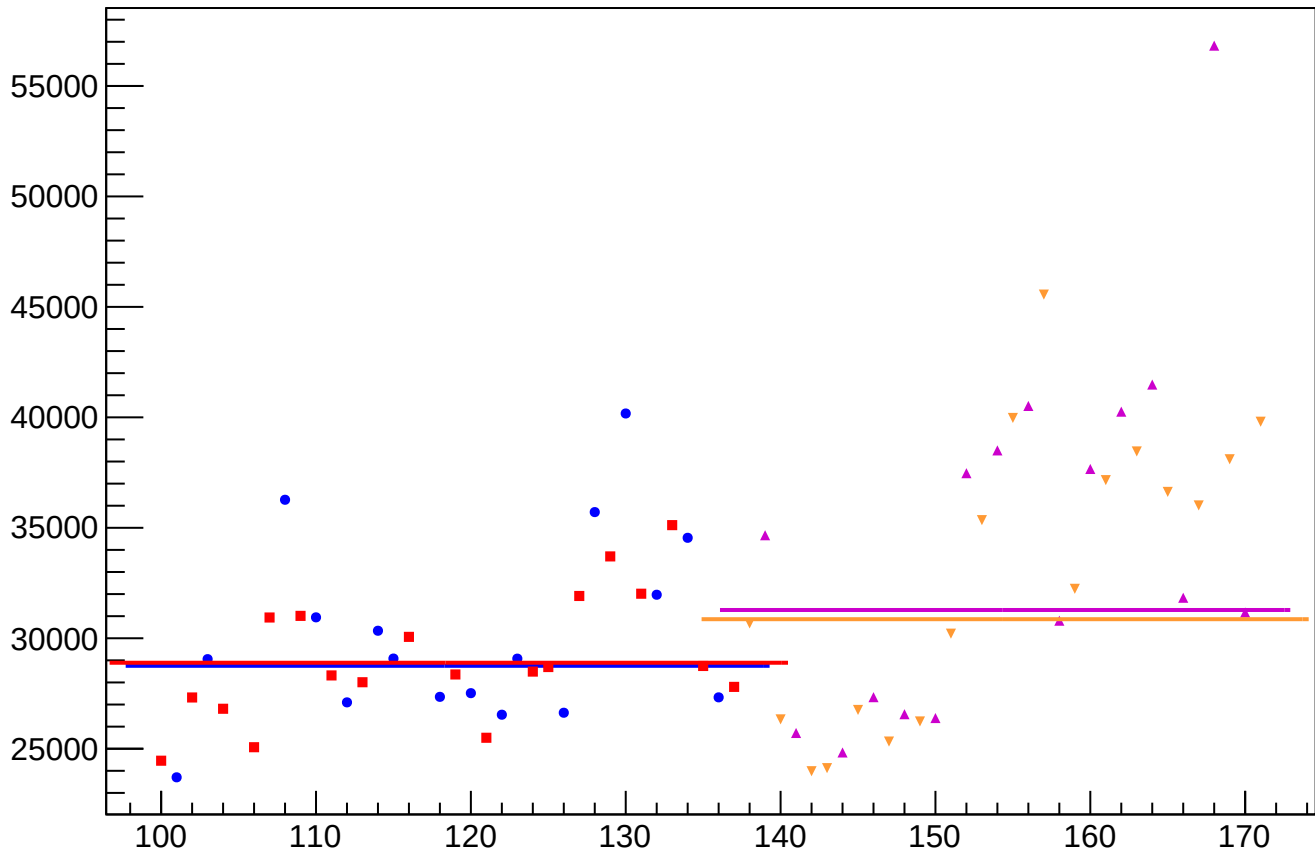
Right: -13.234 $\pm$ 7.837 χ^2/NDF : 34.3/35

In: -1.626 $\pm$ 7.063 χ^2/NDF : 27.3/32

Out: -0.493 $\pm$ 6.752 χ^2/NDF : 44.6/36

All: -1.034 $\pm$ 4.881 χ^2/NDF : 71.9/69

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 30863.093+/-6.085 χ^2/NDF : 950443.2/17

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

Left In: 31280.065+/-6.403 χ^2/NDF : 1064643.7/15

Left: 31060.973+/-4.411 χ^2/NDF : 2017315.4/33

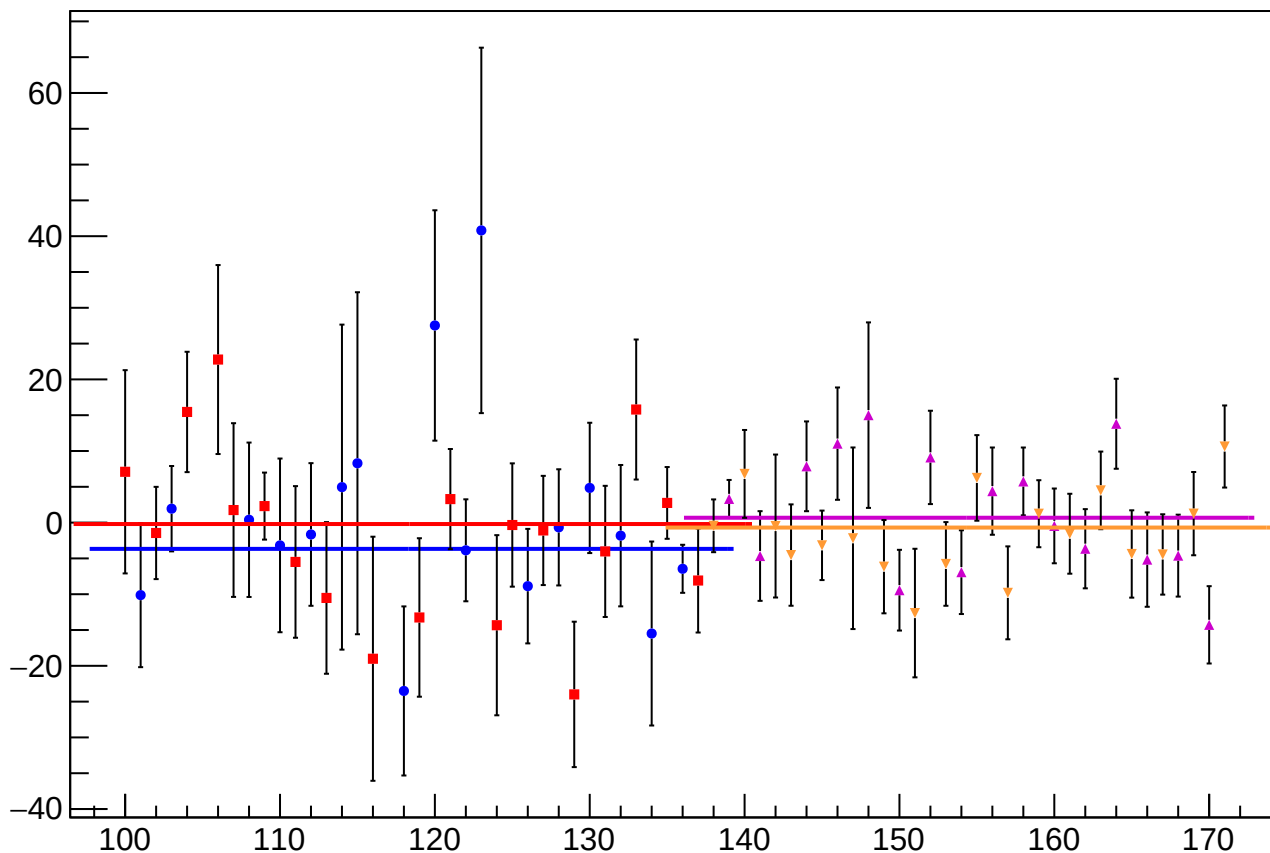
Right: 28825.443+/-5.542 χ^2/NDF : 360612.0/35

In: 30290.867+/-4.994 χ^2/NDF : 1374818.6/32

Out: 30105.538+/-4.774 χ^2/NDF : 1102010.8/36

All: 30194.032+/-3.451 χ^2/NDF : 2477548.9/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 $\pm$ 2.010 χ^2/NDF : 14.5/16

Left Out: -0.691 $\pm$ 1.378 χ^2/NDF : 14.6/17

Right Out: -0.199 $\pm$ 1.893 χ^2/NDF : 22.3/18

Left In: 0.679 $\pm$ 1.343 χ^2/NDF : 28.4/15

Left: 0.012 $\pm$ 0.962 χ^2/NDF : 43.5/33

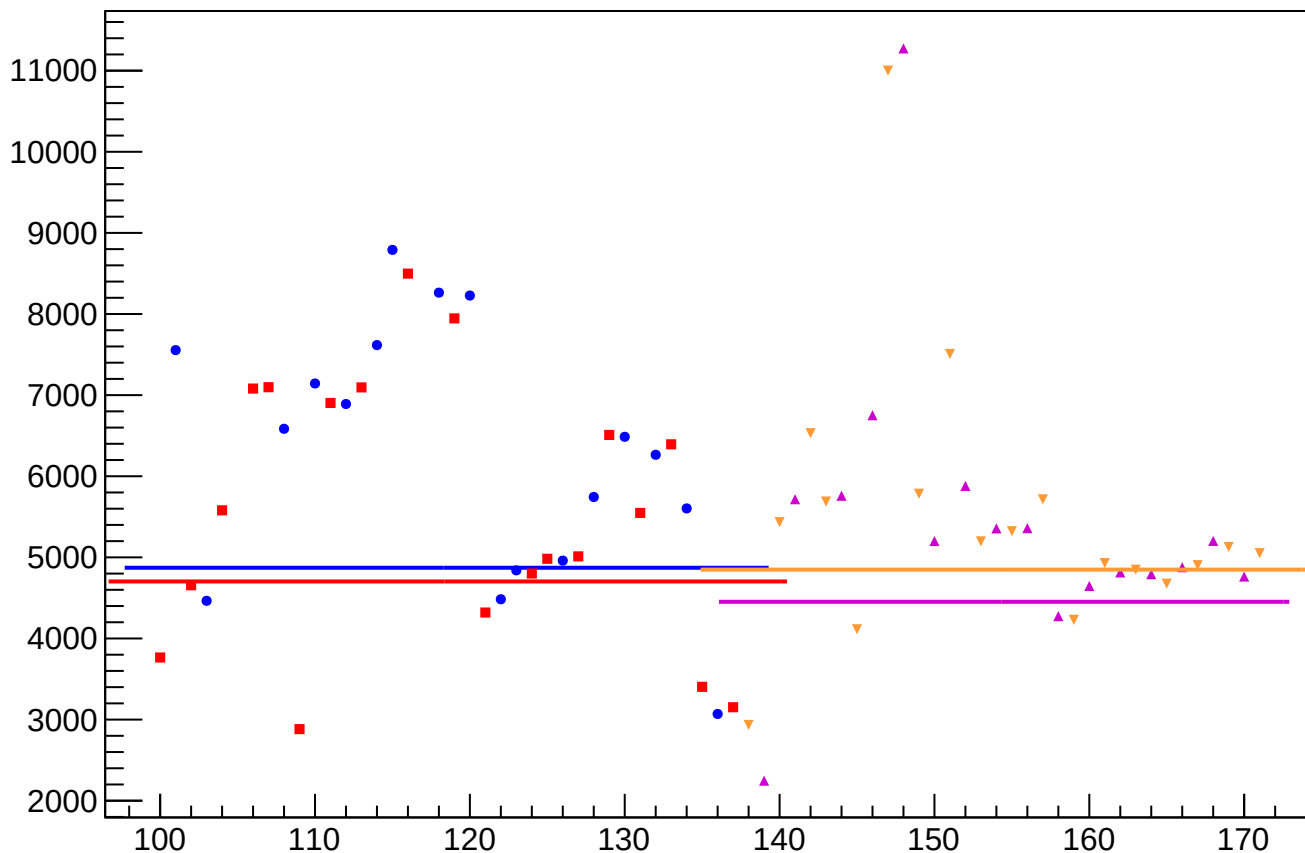
Right: -1.830 $\pm$ 1.378 χ^2/NDF : 38.4/35

In: -0.663 $\pm$ 1.117 χ^2/NDF : 46.2/32

Out: -0.521 $\pm$ 1.114 χ^2/NDF : 36.9/36

All: -0.592 $\pm$ 0.789 χ^2/NDF : 83.1/69

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4848.812+/-0.975 χ^2/NDF : 1476278.6/17

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

Left In: 4452.214+/-0.950 χ^2/NDF : 2576956.9/15

Left: 4645.389+/-0.680 χ^2/NDF : 4138171.1/33

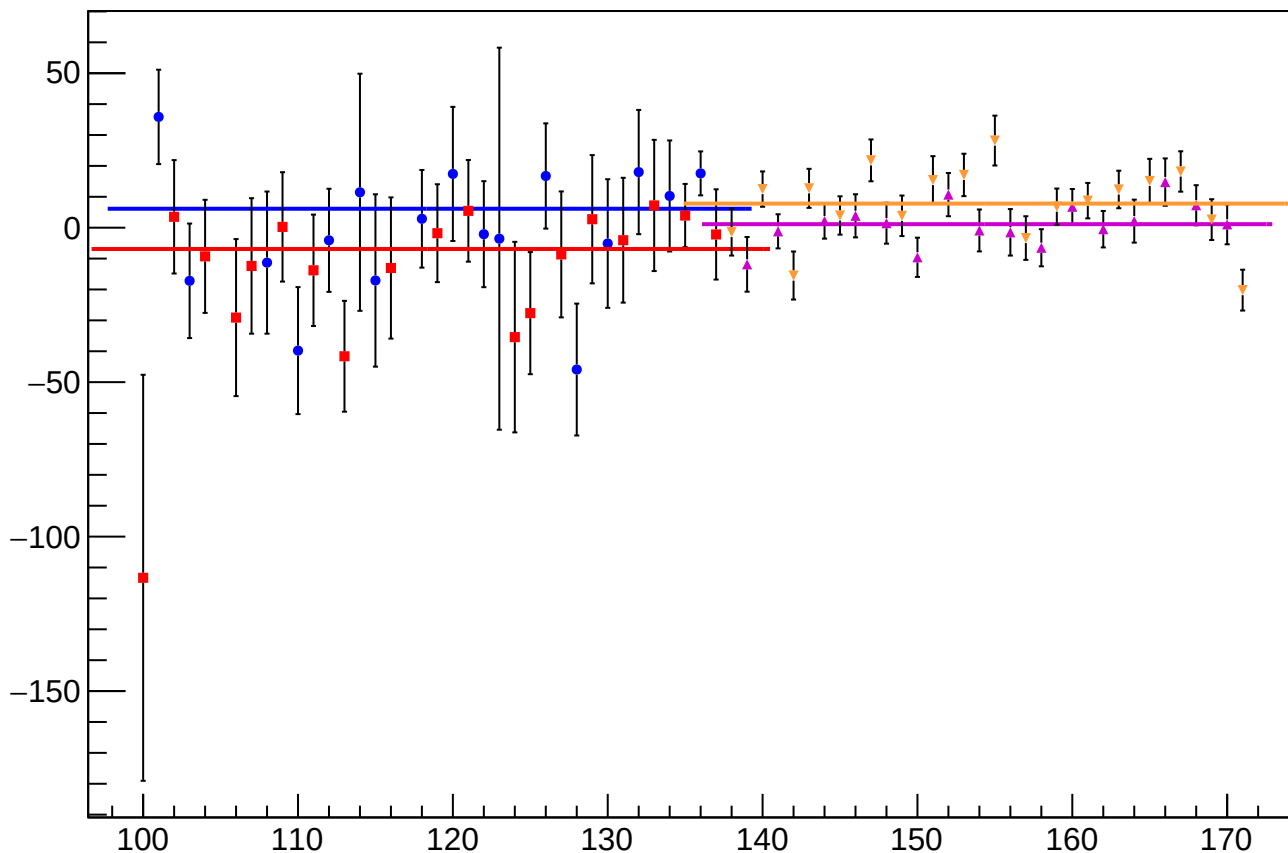
Right: 4782.480+/-0.974 χ^2/NDF : 2725478.8/35

In: 4581.851+/-0.790 χ^2/NDF : 4042556.8/32

Out: 4798.280+/-0.788 χ^2/NDF : 2796756.7/36

All: 4690.312+/-0.558 χ^2/NDF : 6876960.8/69

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.801 ± 1.563 χ^2/NDF : 51.2/17

Right Out: -6.892 ± 4.224 χ^2/NDF : 12.5/18

Left In: 1.139 ± 1.630 χ^2/NDF : 14.2/15

Left: 4.609 ± 1.128 χ^2/NDF : 74.1/33

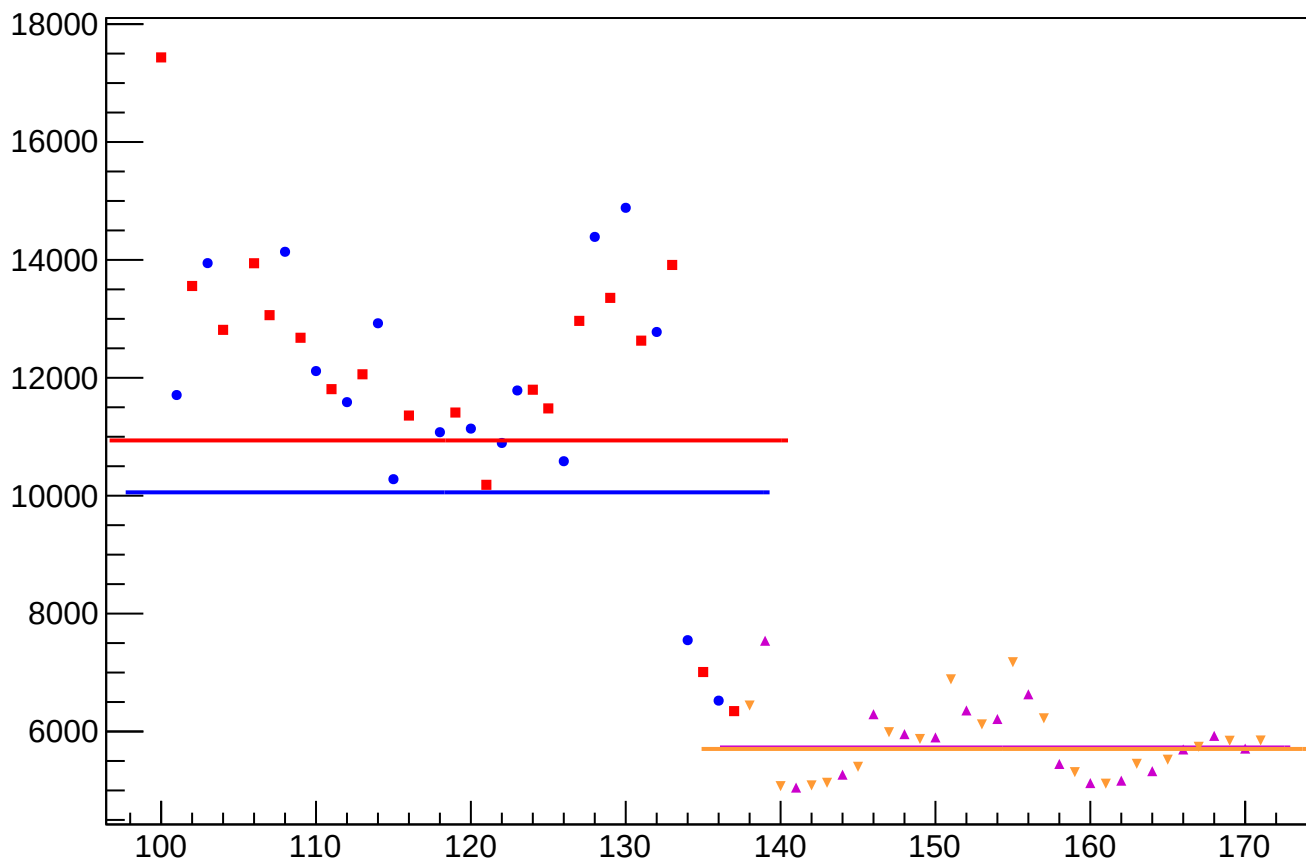
Right: -0.153 ± 2.935 χ^2/NDF : 39.6/35

In: 1.826 ± 1.514 χ^2/NDF : 37.7/32

Out: 6.032 ± 1.466 χ^2/NDF : 74.3/36

All: 3.996 ± 1.053 χ^2/NDF : 116.0/69

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5704.134 $\pm$ 1.105 χ^2/NDF :249969.0/17

Right Out: 10937.573 $\pm$ 2.987 χ^2/NDF : 762909.5/18

Left In: 5729.019 $\pm$ 1.152 χ^2/NDF :252176.4/15

Left: 5716.056 $\pm$ 0.798 χ^2/NDF : 502388.3/33

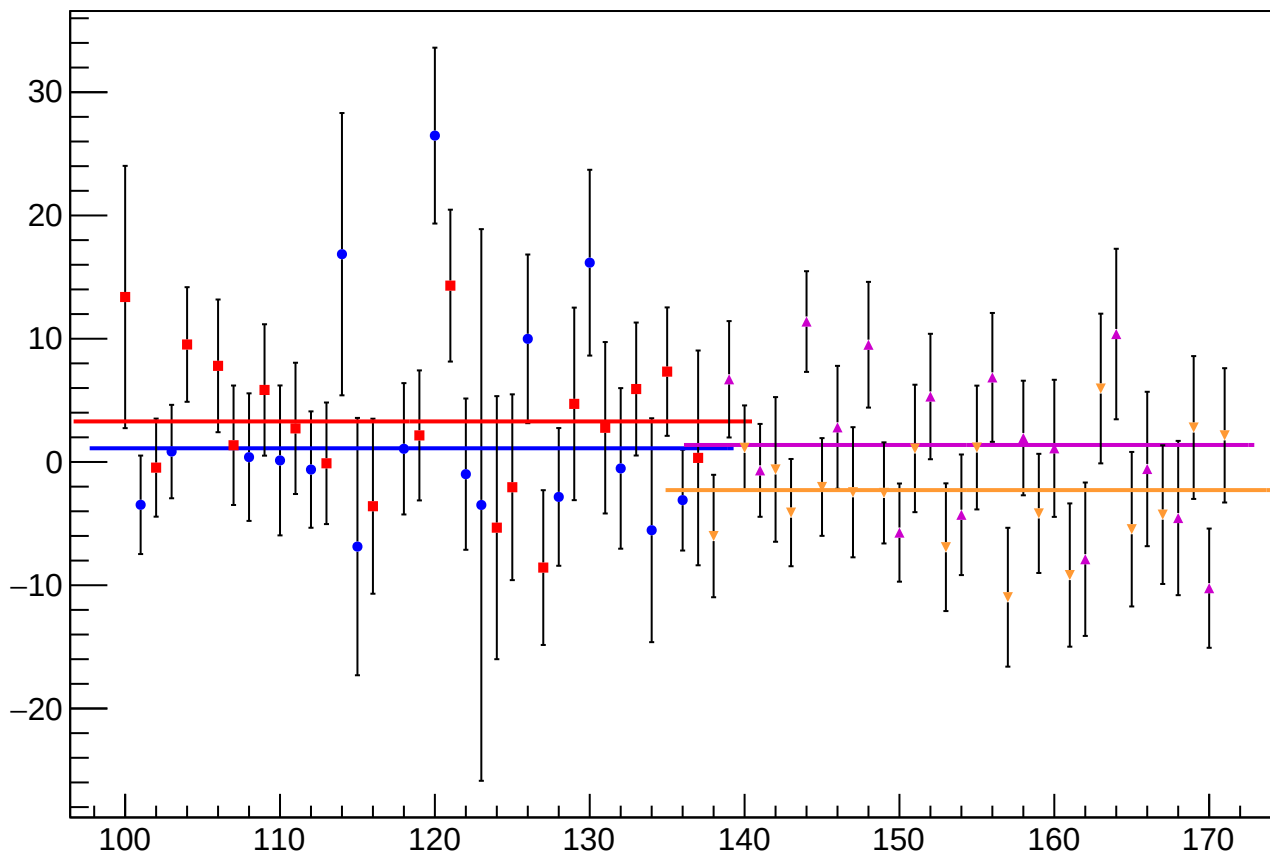
Right: 10481.996 $\pm$ 2.075 χ^2/NDF : 1810742.6/35

In: 6324.590 $\pm$ 1.070 χ^2/NDF :3195667.9/32

Out: 6334.314 $\pm$ 1.037 χ^2/NDF :3712804.3/36

All: 6329.608 $\pm$ 0.745 χ^2/NDF : 6908514.8/69

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -2.282 ± 1.169 $\chi^2/\text{NDF}: 11.1/17$

Right Out: 3.290 ± 1.334 $\chi^2/\text{NDF}: 15.1/18$

Left In: 1.380 ± 1.237 $\chi^2/\text{NDF}: 27.1/15$

Left: -0.555 ± 0.850 $\chi^2/\text{NDF}: 42.9/33$

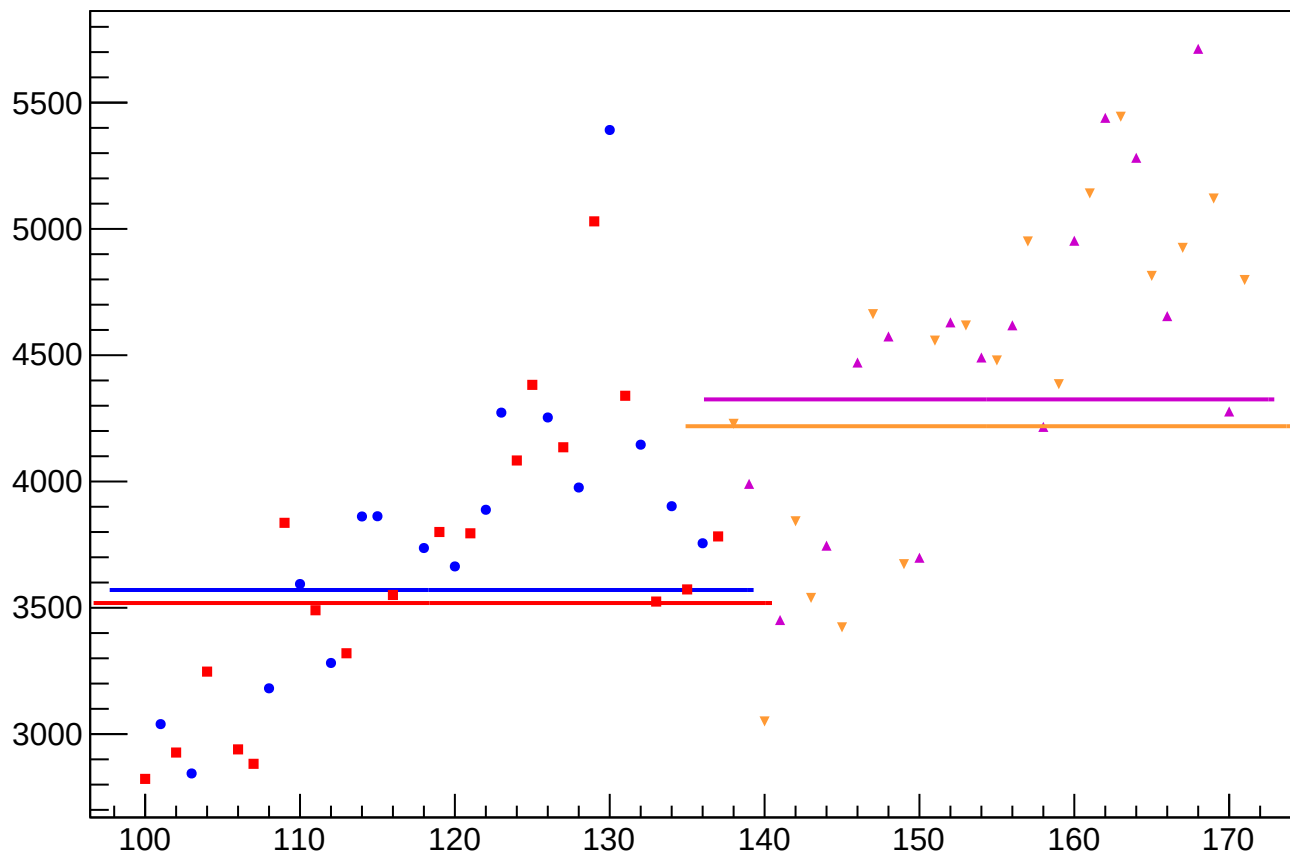
Right: 2.256 ± 0.967 $\chi^2/\text{NDF}: 40.9/35$

In: 1.263 ± 0.928 $\chi^2/\text{NDF}: 51.8/32$

Out: 0.140 ± 0.879 $\chi^2/\text{NDF}: 36.1/36$

All: 0.671 ± 0.638 $\chi^2/\text{NDF}: 88.6/69$

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4218.852+/-0.827 χ^2/NDF : 732142.1/17

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

Left In: 4325.057+/-0.875 χ^2/NDF : 462691.2/15

Left: 4268.938+/-0.601 χ^2/NDF : 1202617.1/33

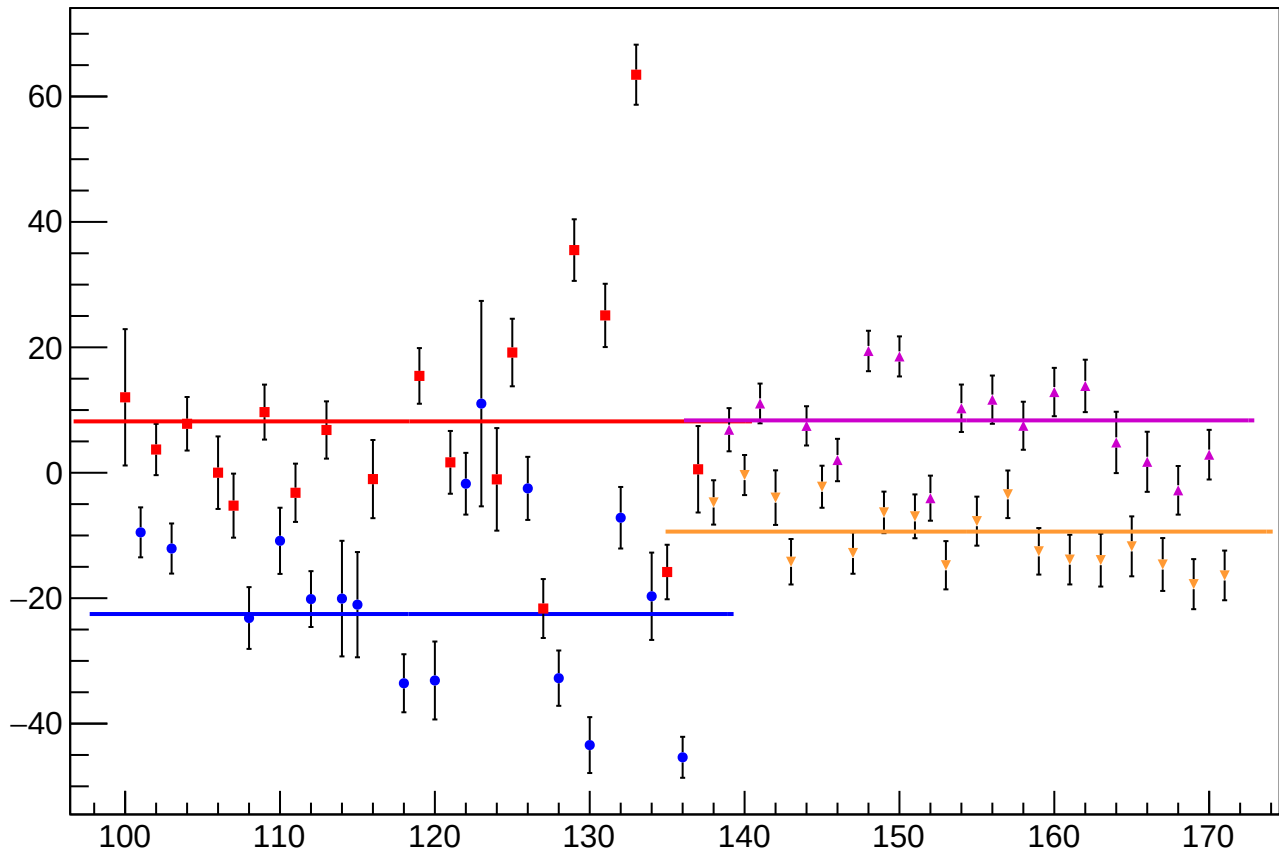
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 3994.836+/-0.656 χ^2/NDF : 1097817.1/32

Out: 3914.681+/-0.622 χ^2/NDF : 1337079.4/36

All: 3952.591+/-0.451 χ^2/NDF : 2442760.3/69

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -9.382 ± 0.883 χ^2/NDF : 37.0/17

Right Out: 8.192 ± 1.157 χ^2/NDF : 275.8/18

Left In: 8.350 ± 0.916 χ^2/NDF : 55.1/15

Left: -0.839 ± 0.636 χ^2/NDF : 286.2/33

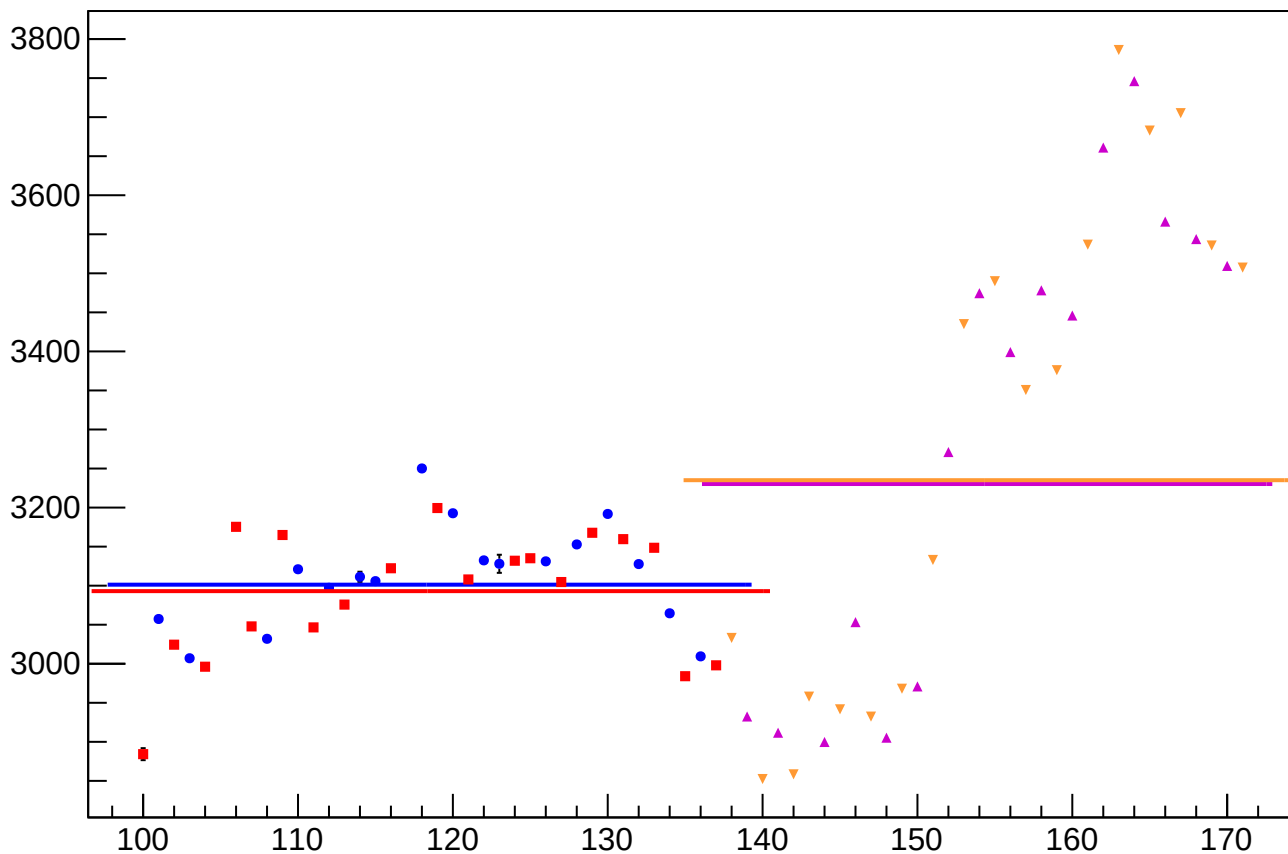
Right: -6.598 ± 0.833 χ^2/NDF : 770.8/35

In: -3.015 ± 0.728 χ^2/NDF : 628.6/32

Out: -2.909 ± 0.702 χ^2/NDF : 458.6/36

All: -2.960 ± 0.506 χ^2/NDF : 1087.2/69

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3235.071+/-0.625 χ^2/NDF :236197.4/17

Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18

Left In: 3230.174+/-0.648 χ^2/NDF :199917.2/15

Left: 3232.712+/-0.450 χ^2/NDF : 436144.2/33

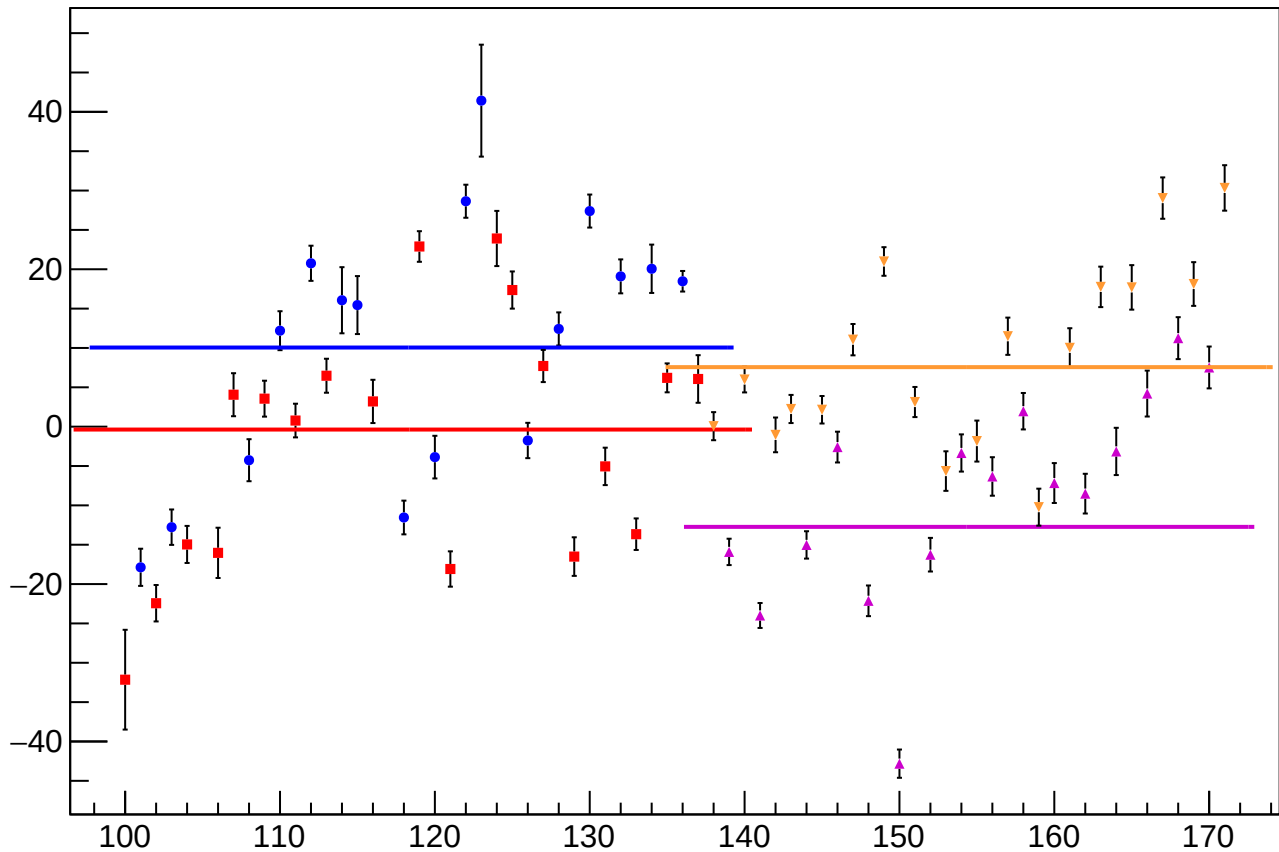
Right: 3096.979+/-0.589 χ^2/NDF : 15049.1/35

In: 3182.725+/-0.515 χ^2/NDF :221721.1/32

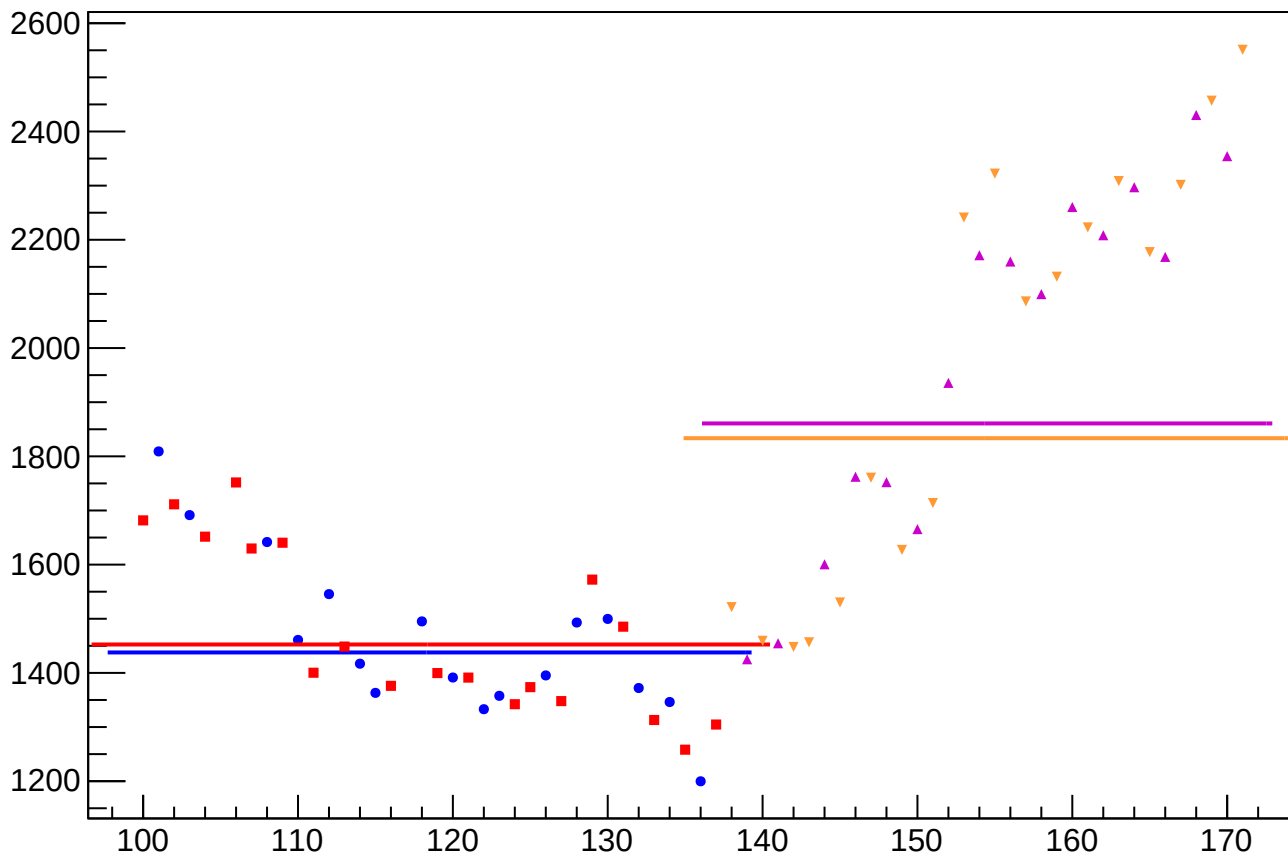
Out: 3182.739+/-0.496 χ^2/NDF :263017.4/36

All: 3182.732+/-0.357 χ^2/NDF : 484738.5/69

diff_bpm0l01Y_mean vs Slug, Sign Corrected



diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 ± 0.397 $\chi^2/\text{NDF}: 173216.2/16$

Left Out: 1833.531 ± 0.360 $\chi^2/\text{NDF}: 1024312.7/17$

Right Out: 1452.469 ± 0.387 $\chi^2/\text{NDF}: 138605.8/18$

Left In: 1860.765 ± 0.378 $\chi^2/\text{NDF}: 747087.2/15$

Left: 1846.478 ± 0.261 $\chi^2/\text{NDF}: 1774120.5/33$

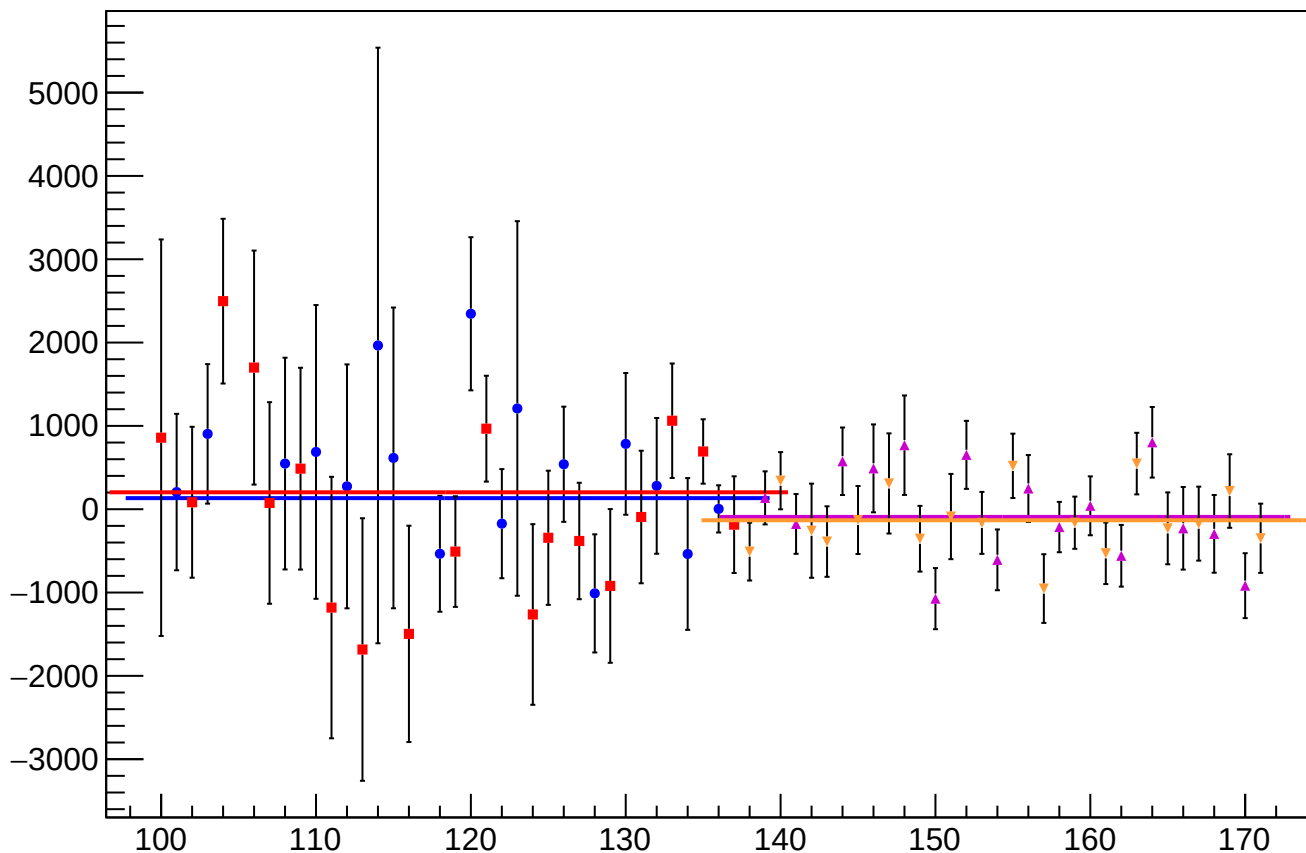
Right: 1445.316 ± 0.277 $\chi^2/\text{NDF}: 312524.3/35$

In: 1659.613 ± 0.274 $\chi^2/\text{NDF}: 1515232.2/32$

Out: 1656.663 ± 0.264 $\chi^2/\text{NDF}: 1682977.4/36$

All: 1658.081 ± 0.190 $\chi^2/\text{NDF}: 3198269.8/69$

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -132.669 $\pm$ 95.086 χ^2 /NDF:16.7/17

Right Out: 203.062 $\pm$ 184.353 χ^2 /NDF: 21.4/18

Left In: -92.558 $\pm$ 97.885 χ^2 /NDF:30.9/15

Left: -113.195 $\pm$ 68.204 χ^2 /NDF: 47.7/33

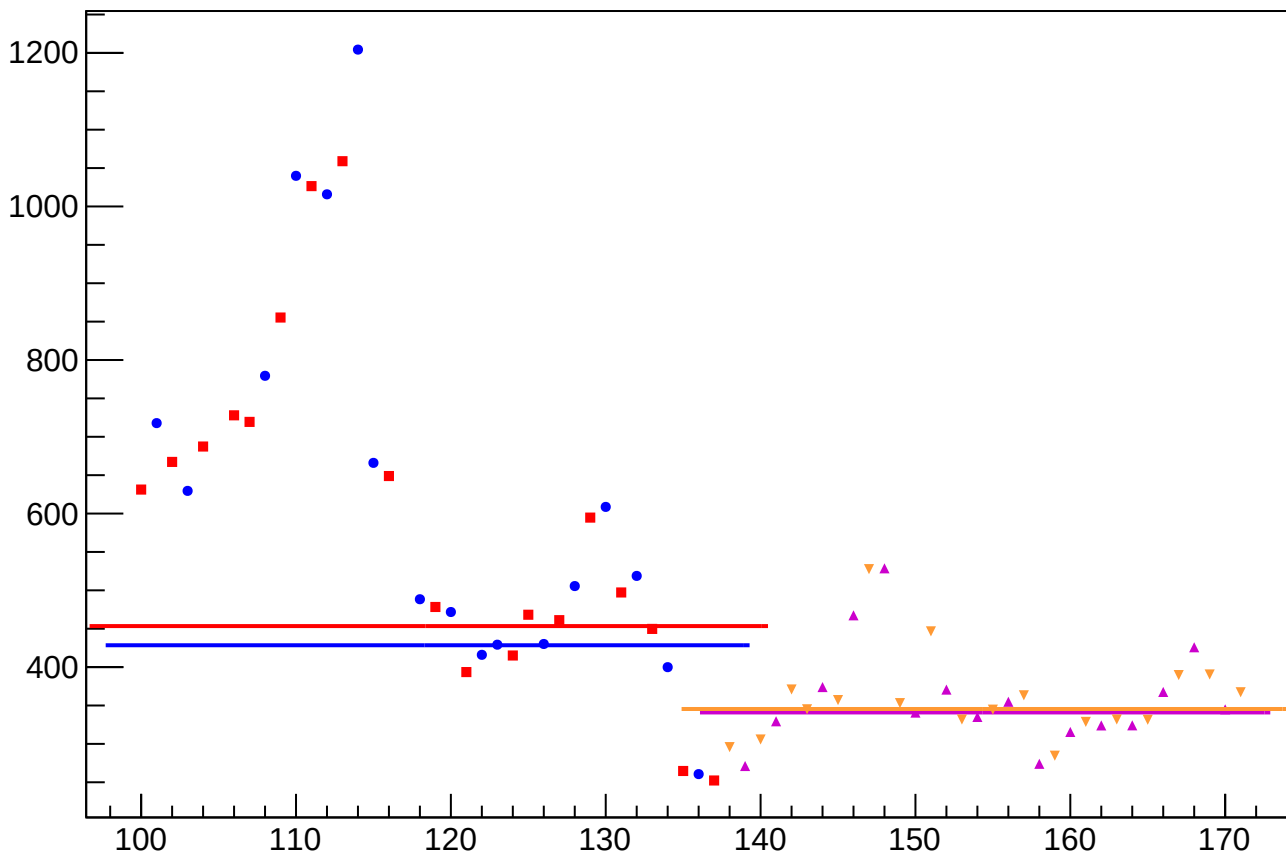
Right: 167.206 $\pm$ 128.890 χ^2 /NDF: 34.4/35

In: -41.216 $\pm$ 86.022 χ^2 /NDF:45.0/32

Out: -62.122 $\pm$ 84.507 χ^2 /NDF:40.8/36

All: -51.855 $\pm$ 60.284 χ^2 /NDF: 85.8/69

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 345.444 $\pm$ 0.067 χ^2 /NDF:473067.3/17

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

Left In: 340.936 $\pm$ 0.069 χ^2 /NDF:625801.6/15

Left: 343.256 $\pm$ 0.048 χ^2 /NDF: 1101051.2/33

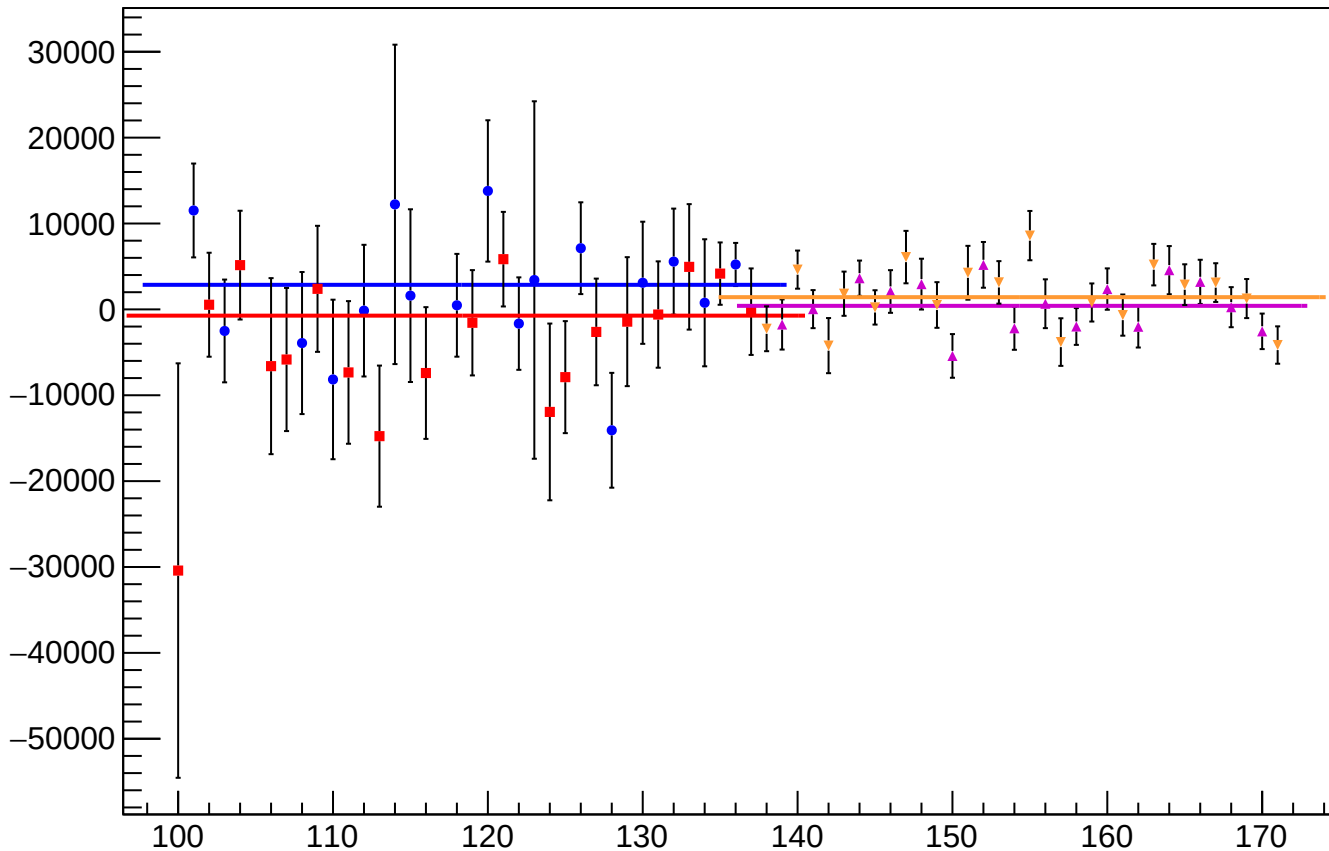
Right: 440.668 $\pm$ 0.091 χ^2 /NDF: 4060031.3/35

In: 360.866 $\pm$ 0.061 χ^2 /NDF:3001353.8/32

Out: 368.136 $\pm$ 0.060 χ^2 /NDF:3044958.6/36

All: 364.565 $\pm$ 0.043 χ^2 /NDF: 6053583.0/69

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1422.476 $\pm$ 583.177 χ^2 /NDF:31.9/17

Right Out: -729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

Left In: 412.234 $\pm$ 612.098 χ^2 /NDF:22.1/15

Left: 941.784 $\pm$ 422.222 χ^2 /NDF: 55.5/33

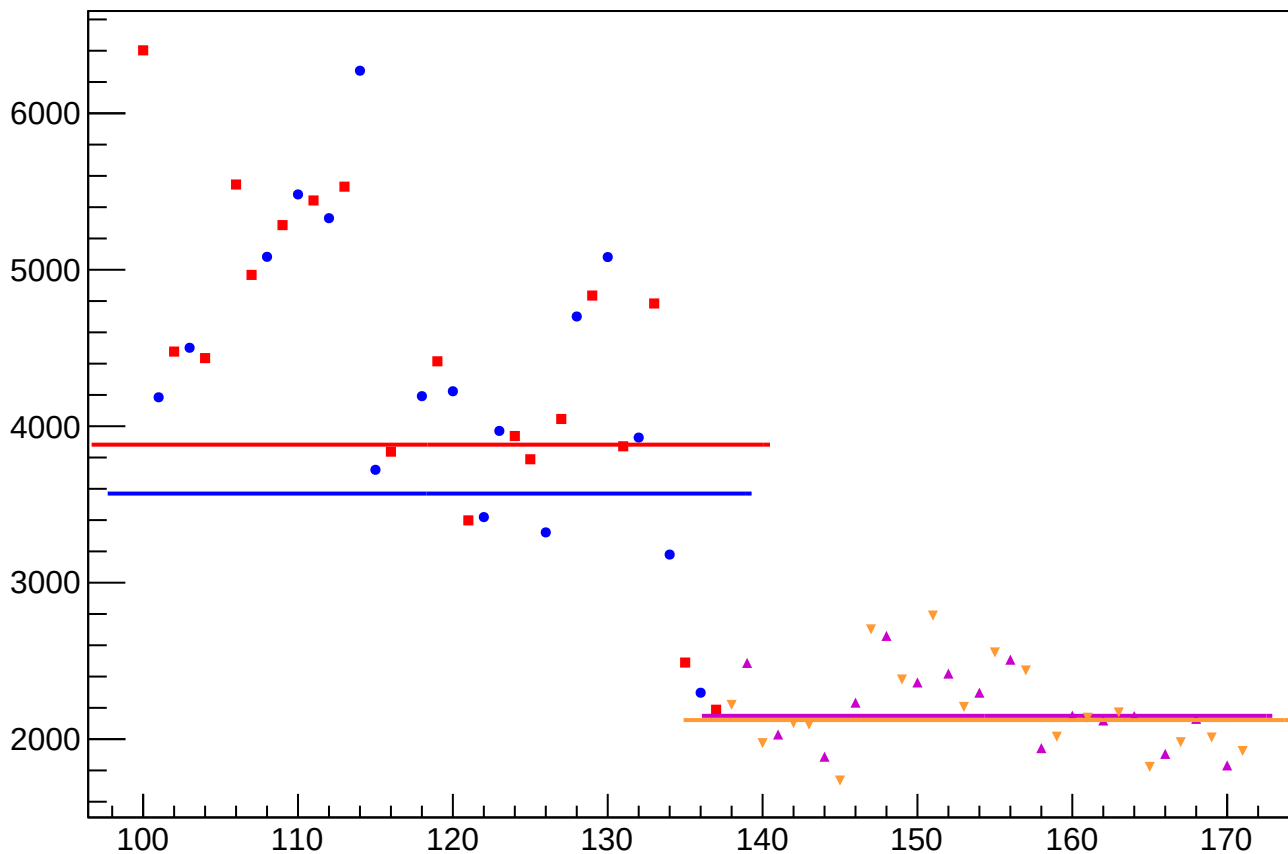
Right: 1139.446 $\pm$ 1044.821 χ^2 /NDF: 33.6/35

In: 783.313 $\pm$ 563.787 χ^2 /NDF:41.2/32

Out: 1142.895 $\pm$ 543.978 χ^2 /NDF:47.7/36

All: 969.532 $\pm$ 391.466 χ^2 /NDF: 89.1/69

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 $\pm$ 1.024 χ^2 /NDF: 1087935.4/16

Left Out: 2121.953 $\pm$ 0.412 χ^2 /NDF: 408973.3/17

Right Out: 3882.169 $\pm$ 1.067 χ^2 /NDF: 983087.5/18

Left In: 2149.058 $\pm$ 0.433 χ^2 /NDF: 284232.8/15

Left: 2134.850 $\pm$ 0.299 χ^2 /NDF: 695261.8/33

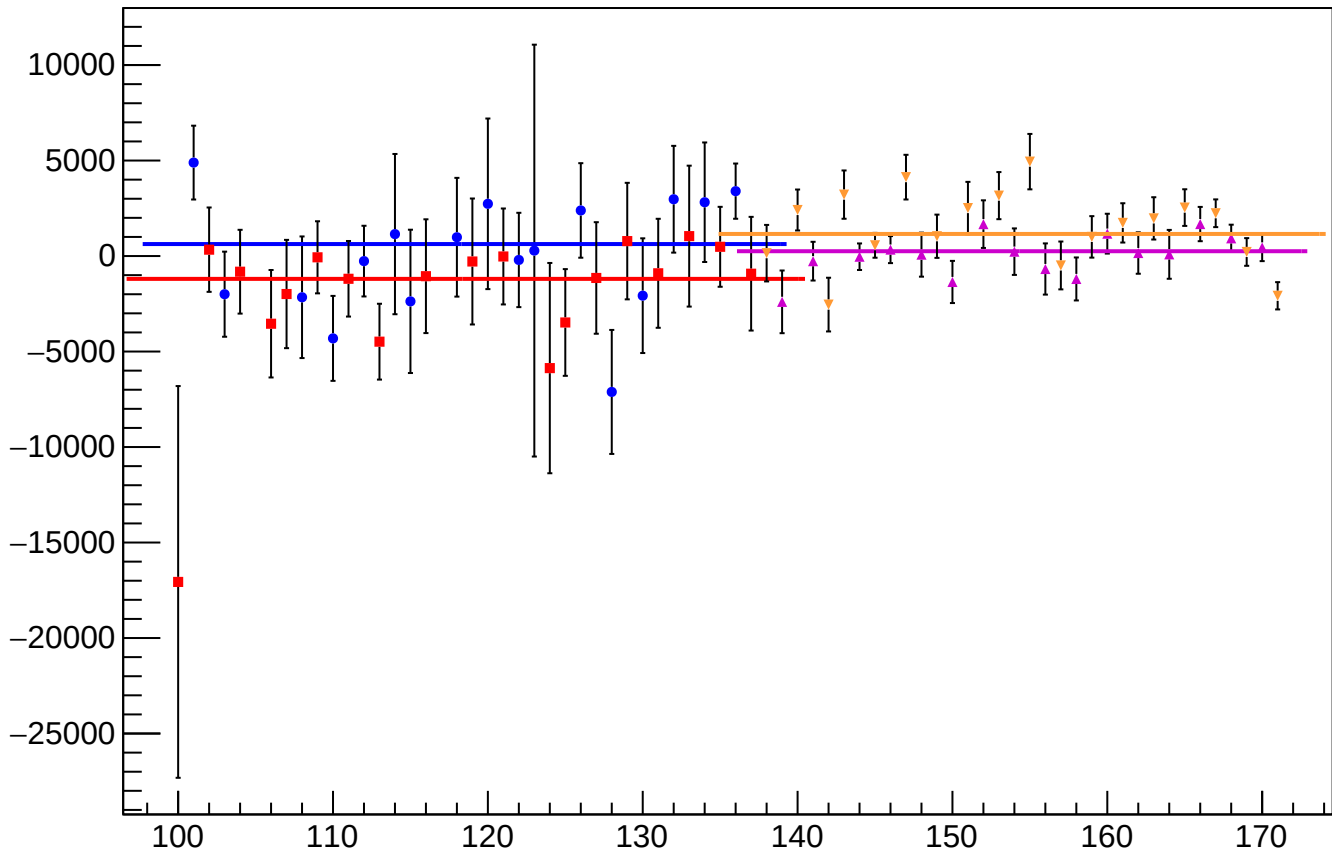
Right: 3719.420 $\pm$ 0.739 χ^2 /NDF: 2115685.3/35

In: 2364.449 $\pm$ 0.399 χ^2 /NDF: 3005517.8/32

Out: 2350.630 $\pm$ 0.385 χ^2 /NDF: 3759159.4/36

All: 2357.292 $\pm$ 0.277 χ^2 /NDF: 6765299.4/69

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1156.794+/-235.098 χ^2/NDF : 58.3/17

Right Out: -1195.385+/-603.058 χ^2/NDF : 9.9/18

Left In: 252.553+/-241.198 χ^2/NDF : 12.9/15

Left: 716.251+/-168.355 χ^2/NDF : 78.4/33

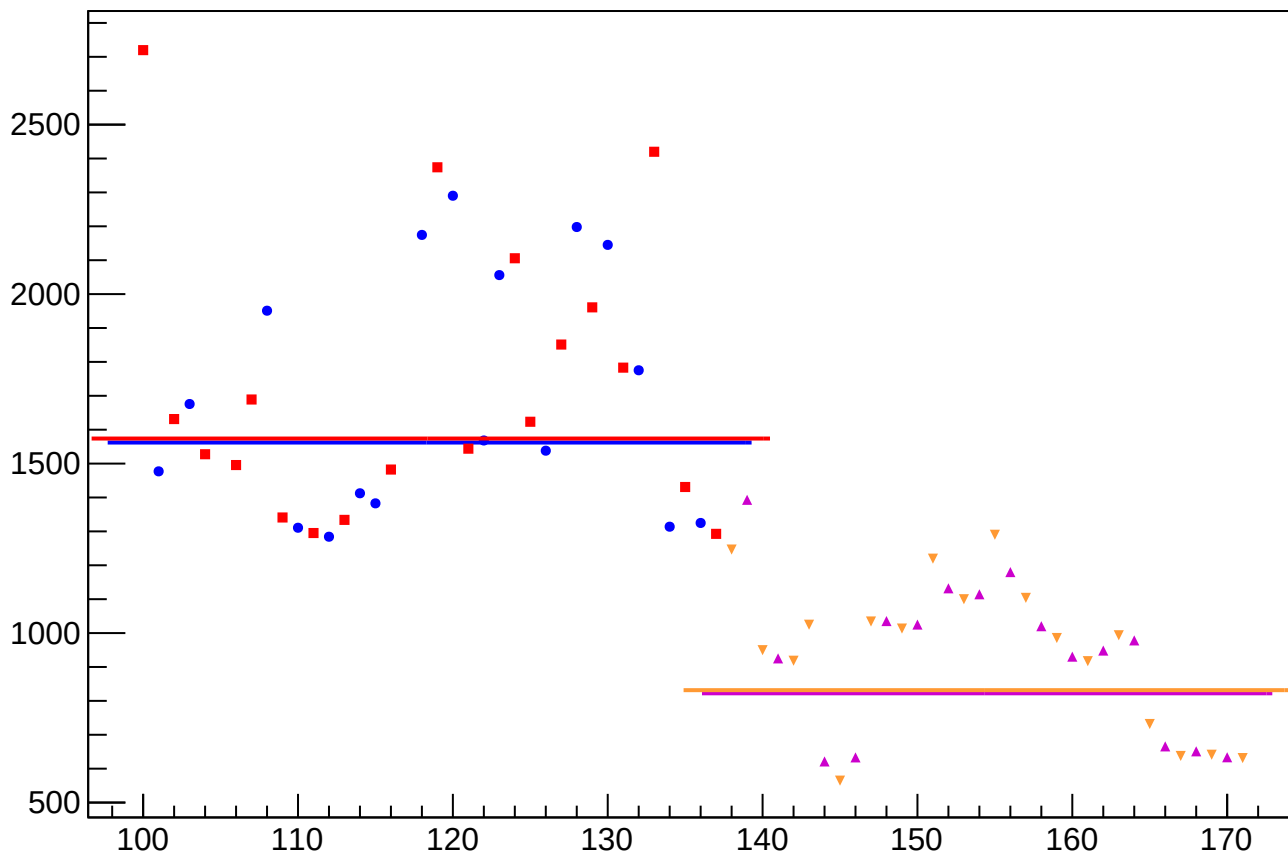
Right: -310.478+/-432.606 χ^2/NDF : 39.4/35

In: 301.732+/-224.831 χ^2/NDF : 38.3/32

Out: 846.476+/-219.042 χ^2/NDF : 81.4/36

All: 581.207+/-156.893 χ^2/NDF : 122.8/69

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 831.573 $\pm$ 0.166 χ^2 /NDF: 1789776.1/17

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

Left In: 822.321 $\pm$ 0.171 χ^2 /NDF: 1544912.6/15

Left: 827.066 $\pm$ 0.119 χ^2 /NDF: 3336197.8/33

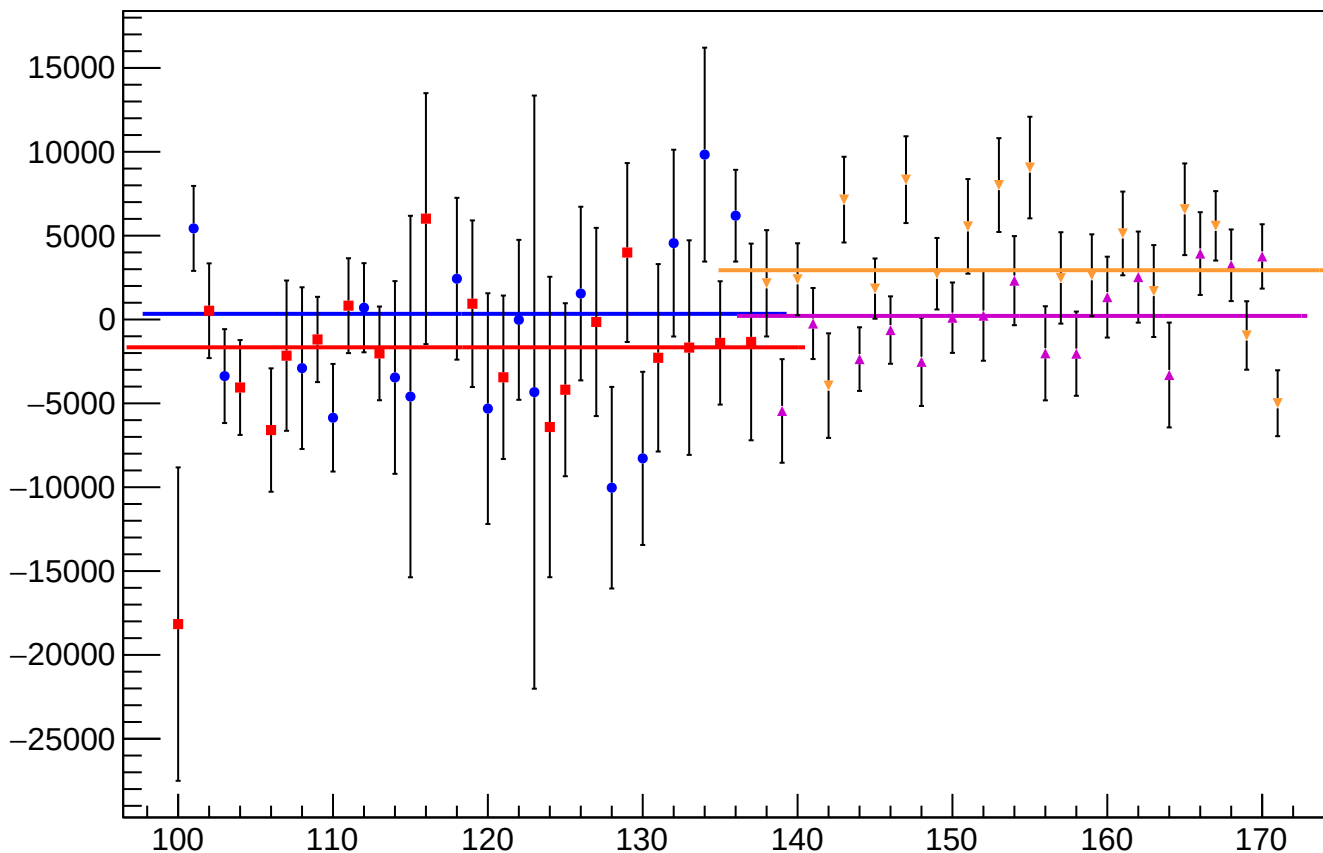
Right: 1568.176 $\pm$ 0.306 χ^2 /NDF: 946451.6/35

In: 919.312 $\pm$ 0.159 χ^2 /NDF: 4493704.4/32

Out: 929.508 $\pm$ 0.155 χ^2 /NDF: 4884431.9/36

All: 924.543 $\pm$ 0.111 χ^2 /NDF: 9380246.4/69

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 2938.898 $\pm$ 570.098 χ^2 /NDF:45.0/17

Right Out: -1658.069 $\pm$ 924.453 χ^2 /NDF: 10.3/18

Left In: 215.162 $\pm$ 591.853 χ^2 /NDF:18.5/15

Left: 1628.008 $\pm$ 410.596 χ^2 /NDF: 74.5/33

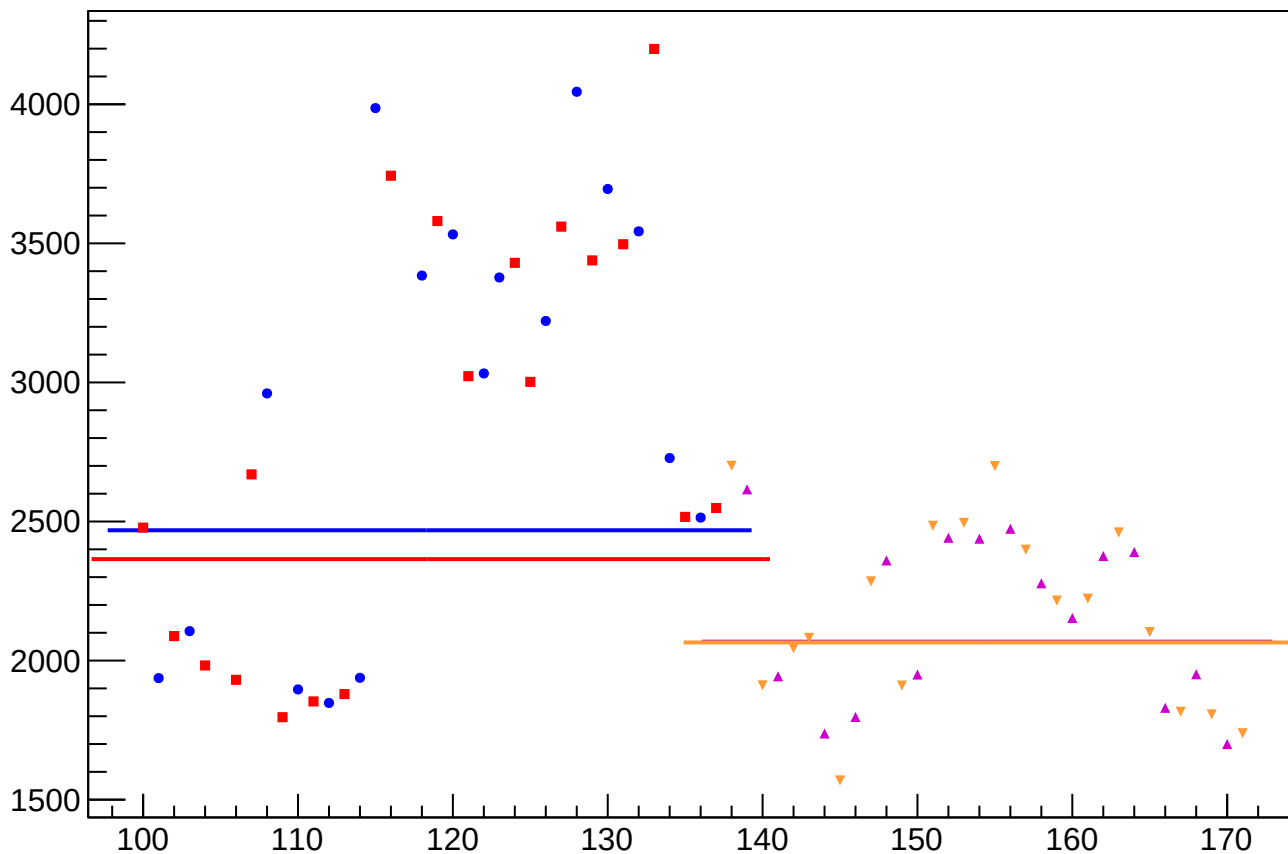
Right: -734.084 $\pm$ 677.520 χ^2 /NDF: 37.2/35

In: 247.256 $\pm$ 508.779 χ^2 /NDF:43.3/32

Out: 1672.336 $\pm$ 485.246 χ^2 /NDF:73.2/36

All: 993.515 $\pm$ 351.146 χ^2 /NDF: 120.6/69

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2065.232 $\pm$ 0.403 χ^2 /NDF: 651407.6/17

Right Out: 2364.833 $\pm$ 0.654 χ^2 /NDF: 1025161.0/18

Left In: 2068.042 $\pm$ 0.419 χ^2 /NDF: 478417.6/15

Left: 2066.584 $\pm$ 0.290 χ^2 /NDF: 1129848.6/33

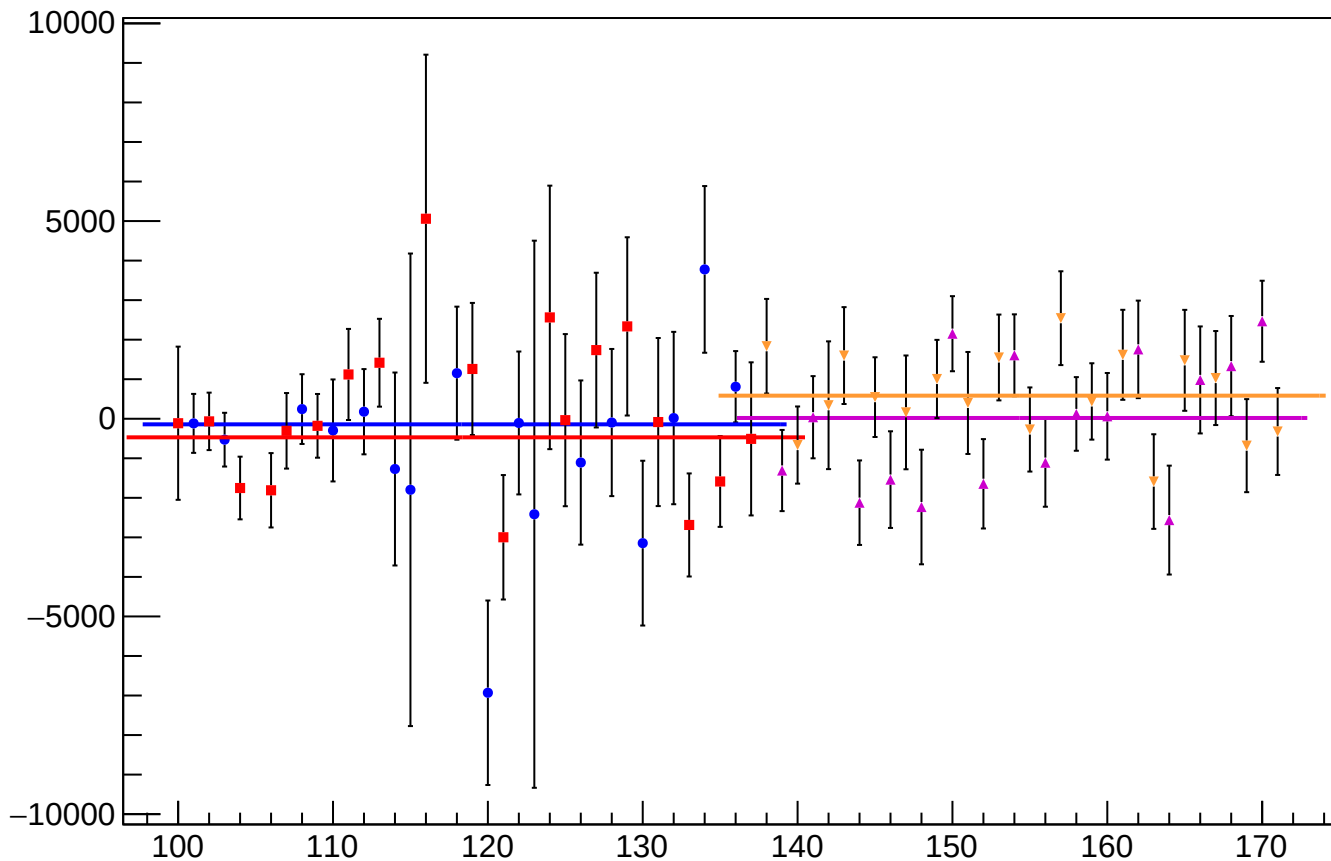
Right: 2412.813 $\pm$ 0.479 χ^2 /NDF: 1932953.4/35

In: 2172.568 $\pm$ 0.360 χ^2 /NDF: 1613556.0/32

Out: 2147.778 $\pm$ 0.343 χ^2 /NDF: 1828754.5/36

All: 2159.586 $\pm$ 0.248 χ^2 /NDF: 3444796.8/69

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 584.163 ± 269.731 $\chi^2/\text{NDF}: 14.5/17$

Right Out: -470.143 ± 282.892 $\chi^2/\text{NDF}: 22.9/18$

Left In: 19.586 ± 279.320 $\chi^2/\text{NDF}: 33.1/15$

Left: 311.731 ± 194.030 $\chi^2/\text{NDF}: 49.7/33$

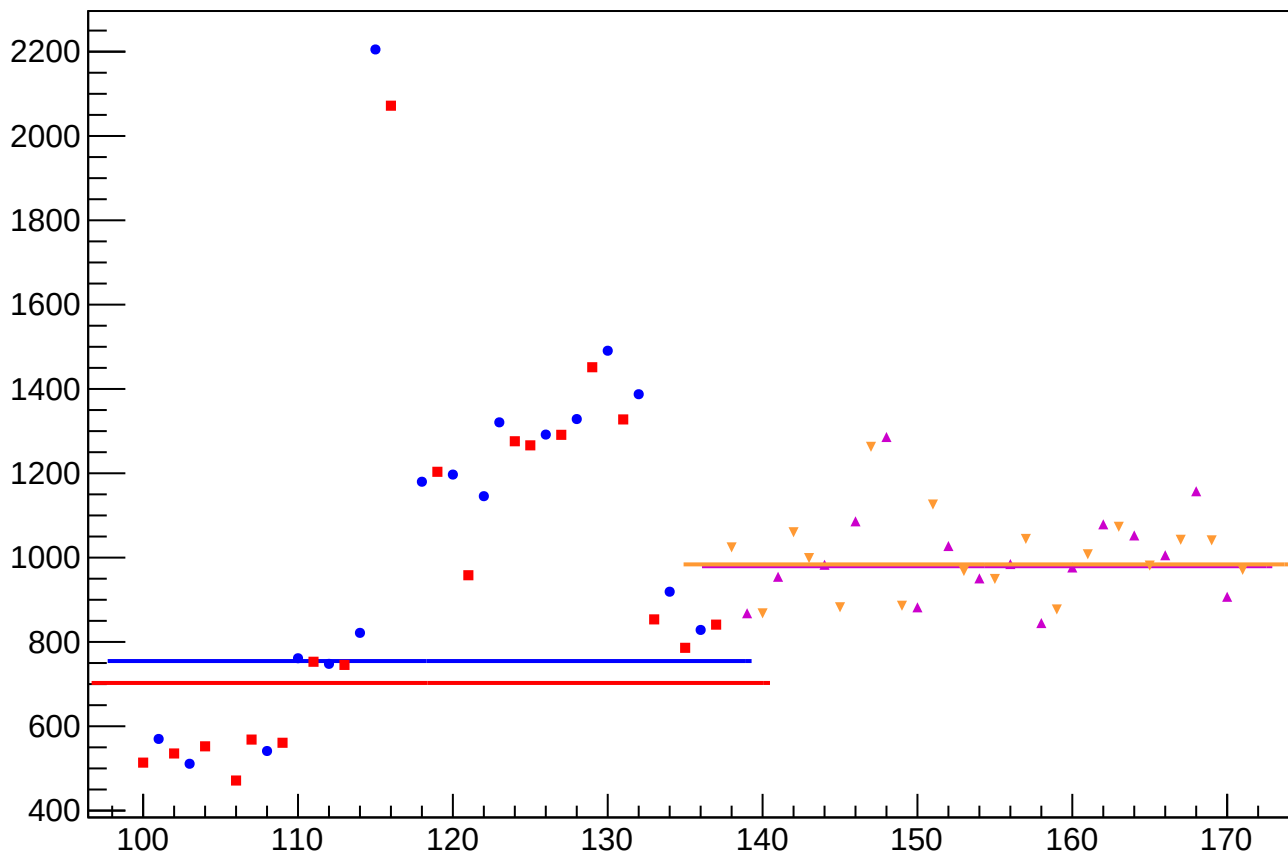
Right: -322.421 ± 209.970 $\chi^2/\text{NDF}: 40.5/35$

In: -51.619 ± 208.497 $\chi^2/\text{NDF}: 50.2/32$

Out: 82.105 ± 195.216 $\chi^2/\text{NDF}: 44.7/36$

All: 19.637 ± 142.502 $\chi^2/\text{NDF}: 95.1/69$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 983.928 $\pm$ 0.191 χ^2 /NDF:228700.2/17

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

Left In: 979.576 $\pm$ 0.198 χ^2 /NDF:266296.3/15

Left: 981.828 $\pm$ 0.137 χ^2 /NDF: 495247.7/33

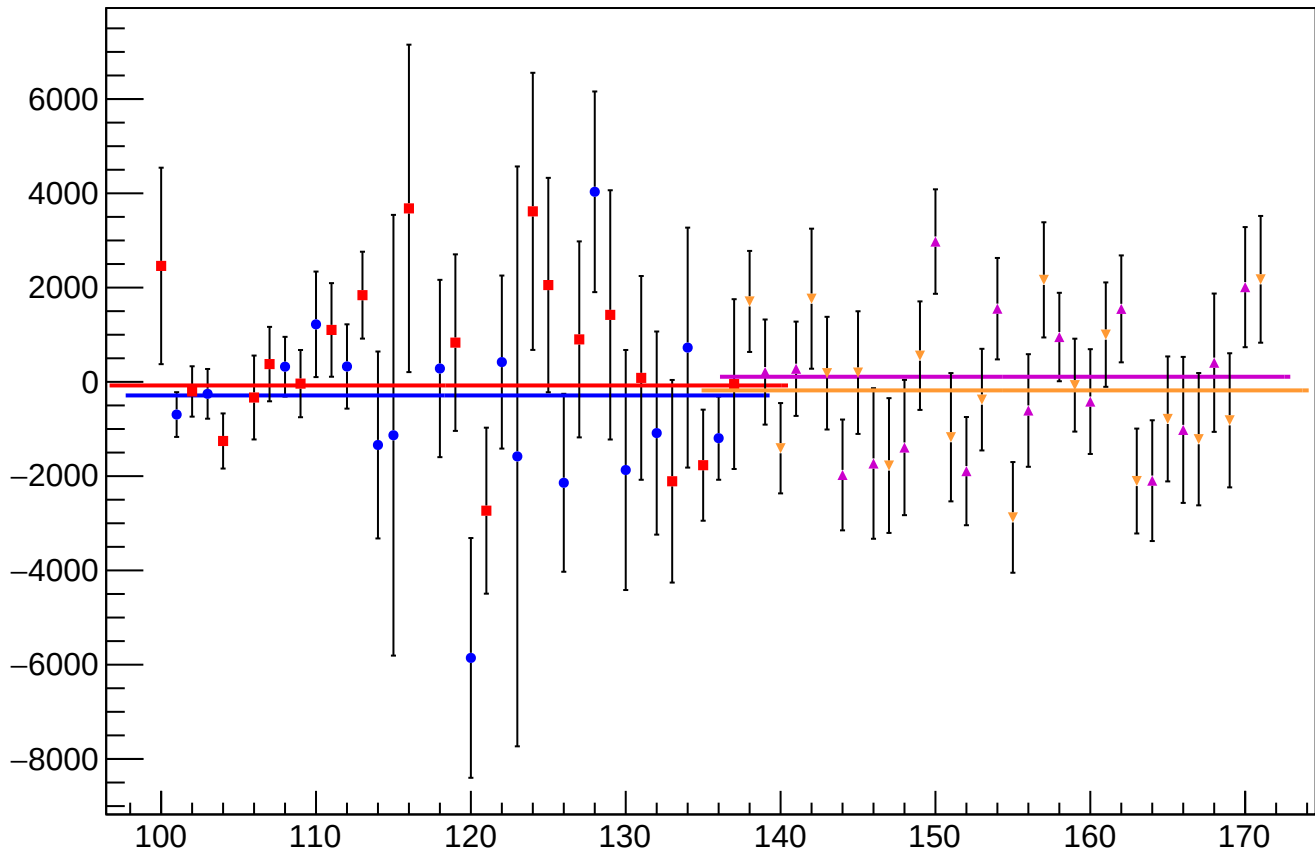
Right: 726.058 $\pm$ 0.148 χ^2 /NDF: 3412528.8/35

In: 879.989 $\pm$ 0.147 χ^2 /NDF:2531035.6/32

Out: 850.018 $\pm$ 0.138 χ^2 /NDF:2955459.1/36

All: 864.019 $\pm$ 0.101 χ^2 /NDF: 5508516.5/69

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -180.899+/-282.629 χ^2/NDF : 26.0/17

Right Out: -76.119+/-246.083 χ^2/NDF : 21.4/18

Left In: 108.496+/-296.547 χ^2/NDF : 25.9/15

Left: -43.152+/-204.592 χ^2/NDF : 52.4/33

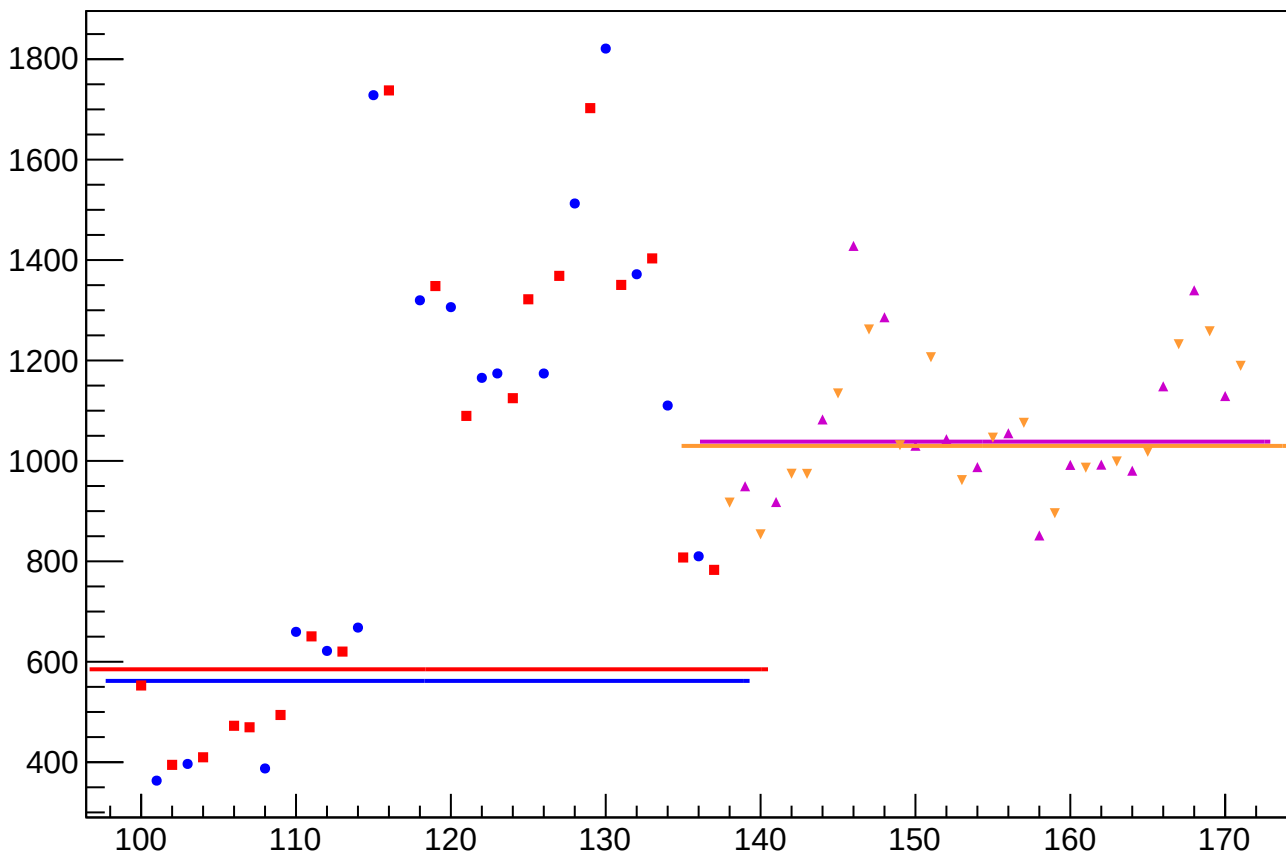
Right: -180.221+/-175.526 χ^2/NDF : 37.9/35

In: -122.963+/-191.334 χ^2/NDF : 43.1/32

Out: -121.301+/-185.592 χ^2/NDF : 47.4/36

All: -122.106+/-133.217 χ^2/NDF : 90.5/69

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1029.861 $\pm$ 0.200 χ^2 /NDF:370296.4/17

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

Left In: 1038.358 $\pm$ 0.210 χ^2 /NDF:422928.2/15

Left: 1033.905 $\pm$ 0.145 χ^2 /NDF: 794085.0/33

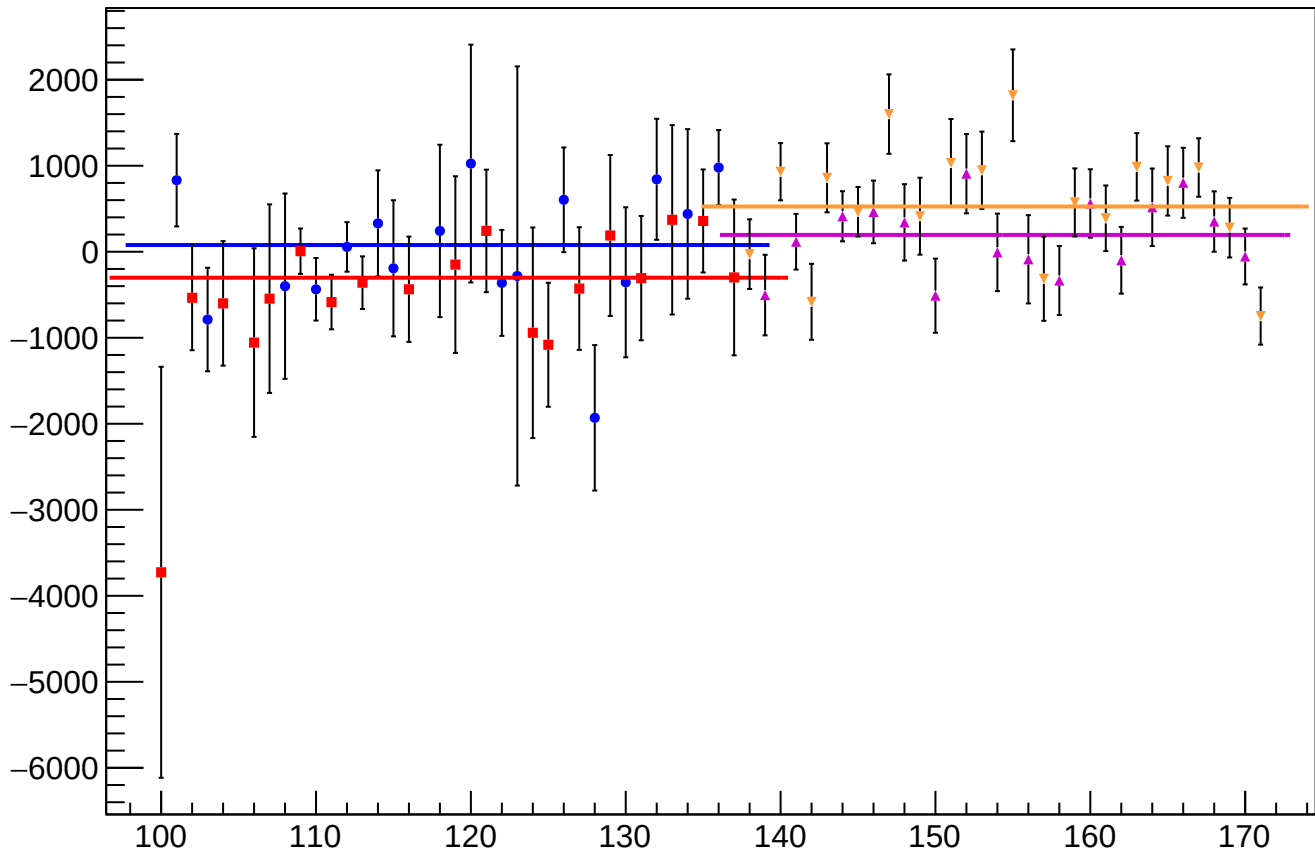
Right: 573.646 $\pm$ 0.124 χ^2 /NDF: 6049757.3/35

In: 760.243 $\pm$ 0.135 χ^2 /NDF:6653265.5/32

Out: 776.823 $\pm$ 0.131 χ^2 /NDF:6013222.3/36

All: 768.785 $\pm$ 0.094 χ^2 /NDF: 12674225.7/69

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 $\pm$ 142.869 χ^2/NDF : 19.8/16

Left Out: 526.114 $\pm$ 92.624 χ^2/NDF : 45.5/17

Right Out: -301.651 $\pm$ 129.650 χ^2/NDF : 9.1/18

Left In: 195.734 $\pm$ 97.556 χ^2/NDF : 15.8/15

Left: 369.487 $\pm$ 67.171 χ^2/NDF : 67.3/33

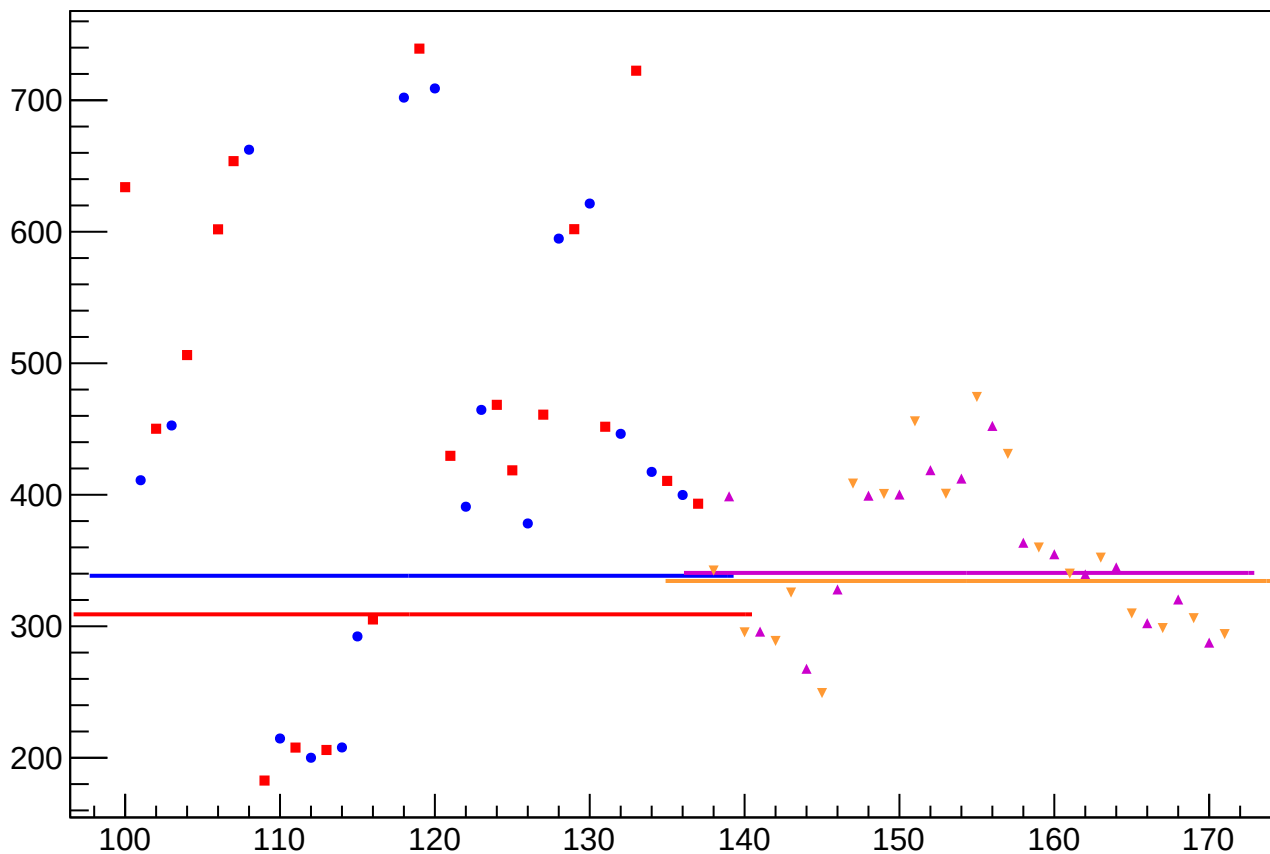
Right: -130.116 $\pm$ 96.010 χ^2/NDF : 32.7/35

In: 158.354 $\pm$ 80.566 χ^2/NDF : 36.0/32

Out: 246.397 $\pm$ 75.366 χ^2/NDF : 81.6/36

All: 205.308 $\pm$ 55.038 χ^2/NDF : 118.3/69

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 334.450 $\pm$ 0.065 χ^2 /NDF: 777417.7/17

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

Left In: 340.594 $\pm$ 0.069 χ^2 /NDF: 559715.6/15

Left: 337.363 $\pm$ 0.047 χ^2 /NDF: 1341304.6/33

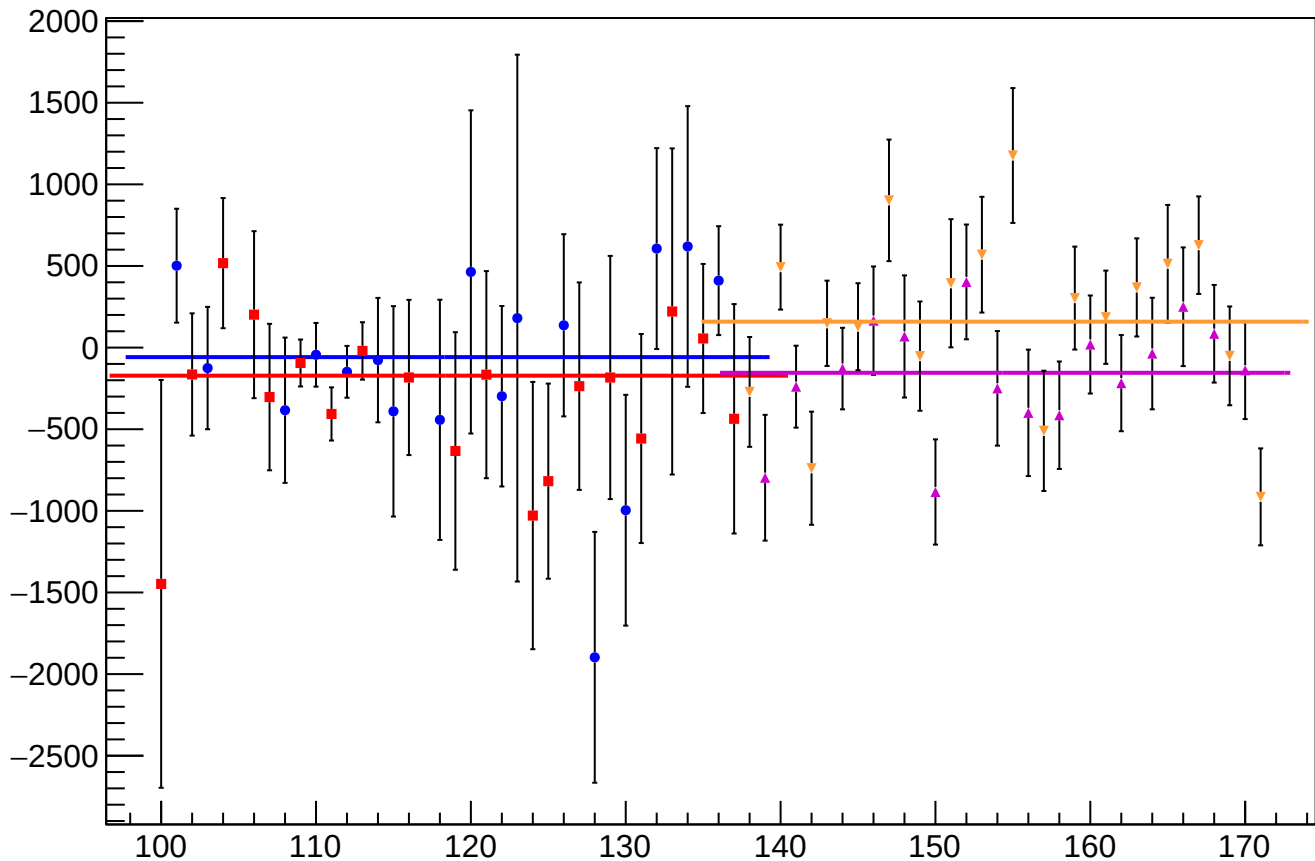
Right: 322.325 $\pm$ 0.068 χ^2 /NDF: 4788966.2/35

In: 339.899 $\pm$ 0.057 χ^2 /NDF: 2569322.0/32

Out: 325.878 $\pm$ 0.053 χ^2 /NDF: 3561583.4/36

All: 332.421 $\pm$ 0.039 χ^2 /NDF: 6163210.5/69

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 $\pm$ 90.484 χ^2 /NDF: 15.9/16

Left Out: 158.920 $\pm$ 74.735 χ^2 /NDF:43.1/17

Right Out: -171.954 $\pm$ 76.920 χ^2 /NDF: 11.3/18

Left In: -154.314 $\pm$ 79.631 χ^2 /NDF:15.3/15

Left: 12.227 $\pm$ 54.494 χ^2 /NDF: 66.7/33

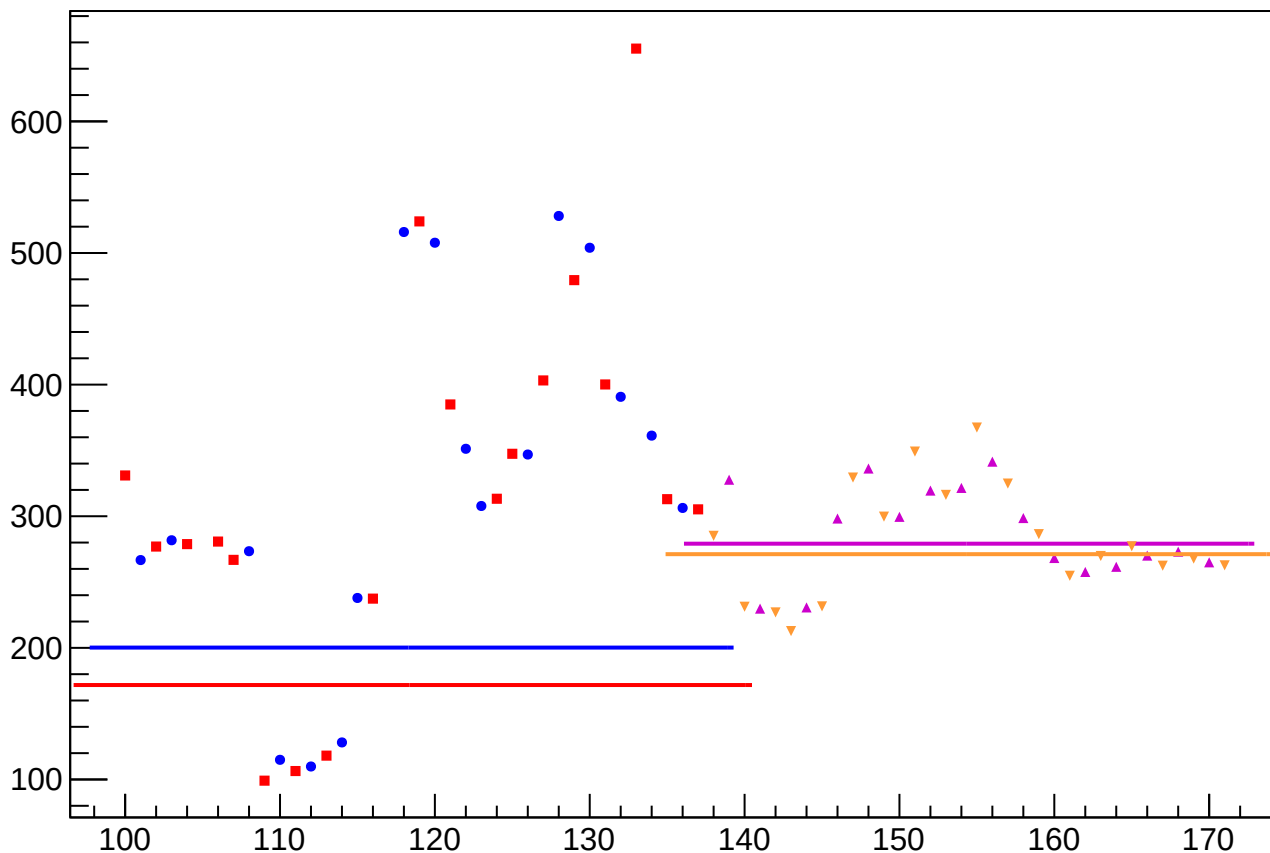
Right: -124.276 $\pm$ 58.606 χ^2 /NDF: 28.1/35

In: -112.408 $\pm$ 59.778 χ^2 /NDF:31.8/32

Out: -1.751 $\pm$ 53.601 χ^2 /NDF:64.0/36

All: -51.068 $\pm$ 39.908 χ^2 /NDF: 97.7/69

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2/NDF : 3387197.7/16

Left Out: 271.180 $\pm$ 0.053 χ^2/NDF :568455.9/17

Right Out: 171.757 $\pm$ 0.054 χ^2/NDF : 4093922.6/18

Left In: 279.145 $\pm$ 0.056 χ^2/NDF :384855.2/15

Left: 274.910 $\pm$ 0.039 χ^2/NDF : 963949.1/33

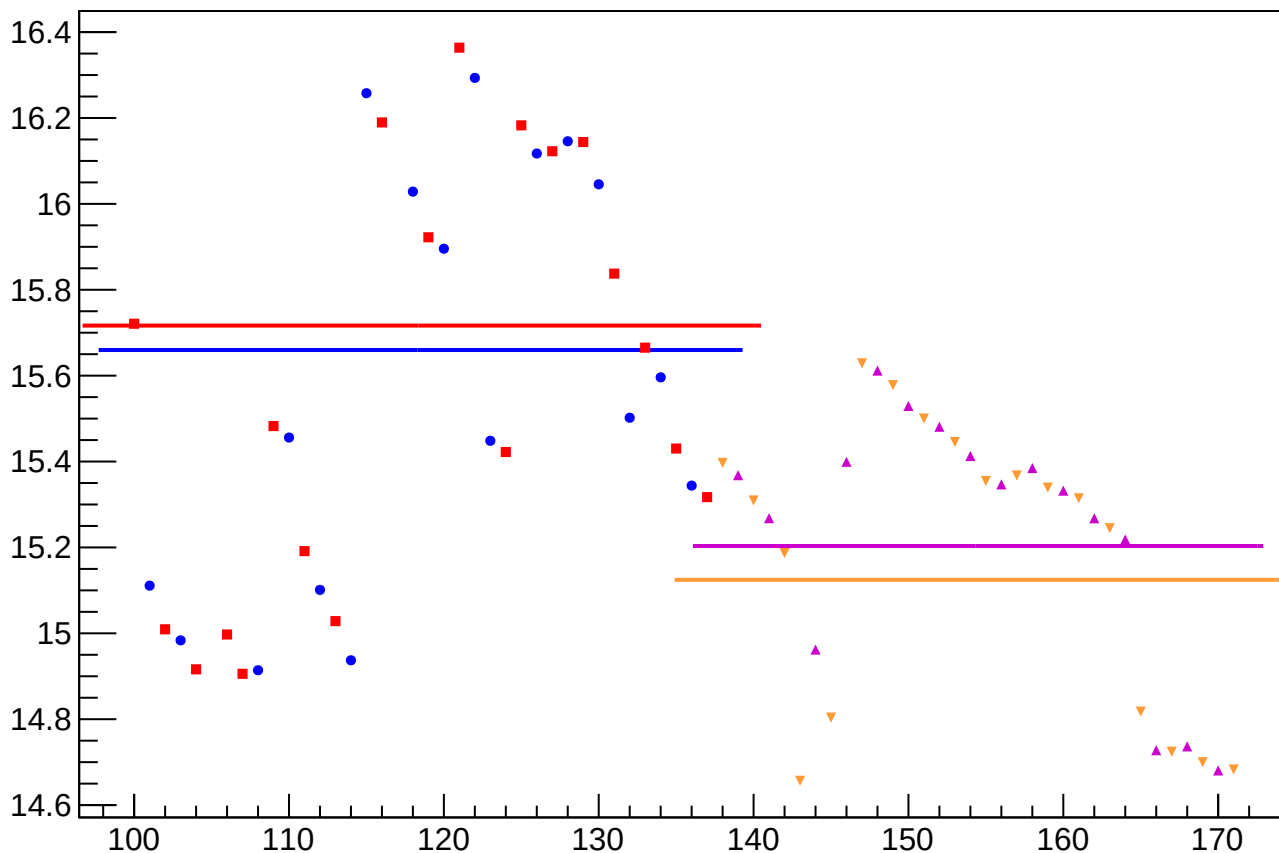
Right: 183.693 $\pm$ 0.041 χ^2/NDF : 7595909.3/35

In: 244.693 $\pm$ 0.042 χ^2/NDF :4629802.6/32

Out: 222.901 $\pm$ 0.038 χ^2/NDF :6381201.0/36

All: 232.613 $\pm$ 0.028 χ^2/NDF : 11158333.3/69

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.125 $\pm$ 0.000 χ^2 /NDF: 12131802372.0/17

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

Left In: 15.203 $\pm$ 0.000 χ^2 /NDF: 8272540797.6/15

Left: 15.162 $\pm$ 0.000 χ^2 /NDF: 20735087104.1/33

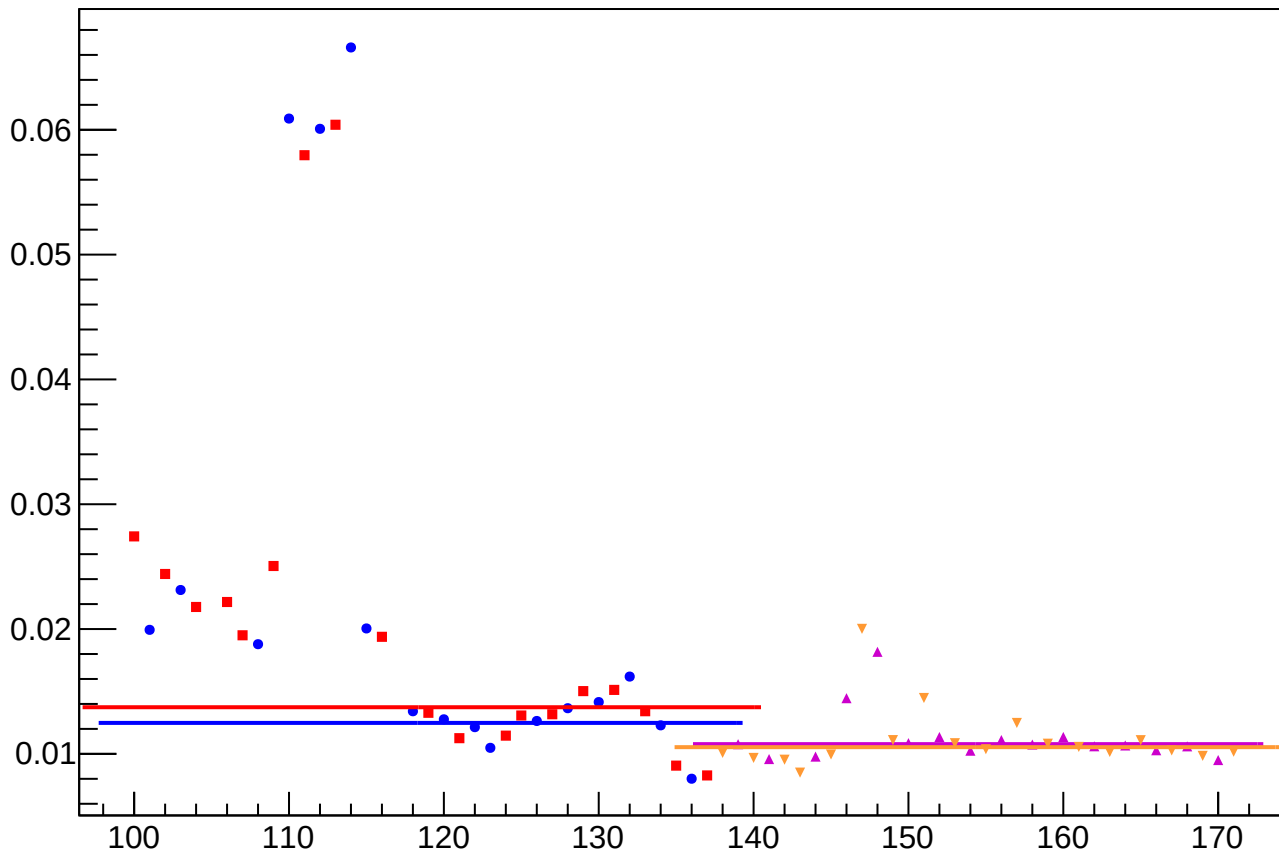
Right: 15.686 $\pm$ 0.000 χ^2 /NDF: 11294352327.9/35

In: 15.316 $\pm$ 0.000 χ^2 /NDF: 19247141514.4/32

Out: 15.245 $\pm$ 0.000 χ^2 /NDF: 25653092937.2/36

All: 15.279 $\pm$ 0.000 χ^2 /NDF: 45249276072.4

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.011+/-0.000 χ^2/NDF :601741.7/17

Right Out: 0.014+/-0.000 χ^2/NDF : 2077569.4/18

Left In: 0.011+/-0.000 χ^2/NDF :433917.8/15

Left: 0.011+/-0.000 χ^2/NDF : 1041931.2/33

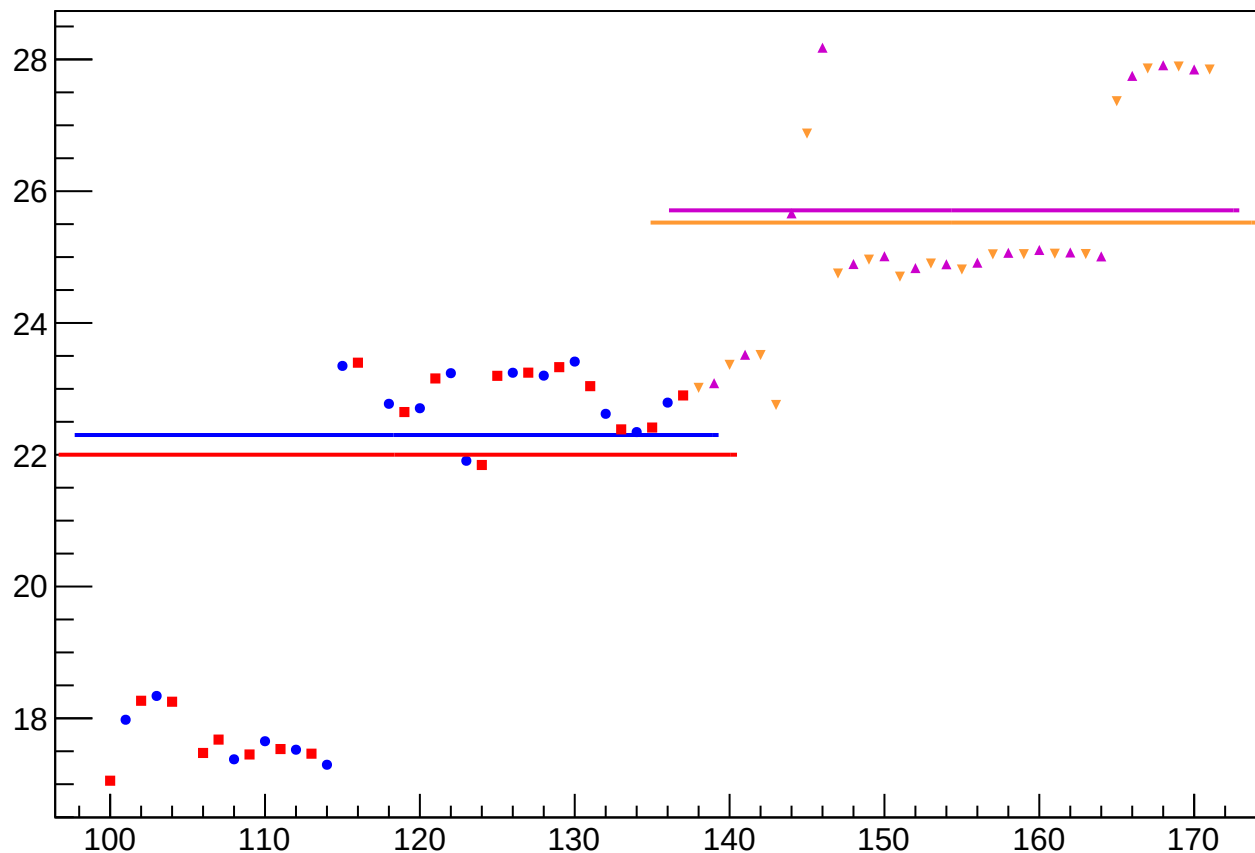
Right: 0.013+/-0.000 χ^2/NDF : 4279107.1/35

In: 0.011+/-0.000 χ^2/NDF :2731096.6/32

Out: 0.011+/-0.000 χ^2/NDF :3150106.3/36

All: 0.011+/-0.000 χ^2/NDF : 5881224.3/69

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000

χ^2/NDF : 938398636.8/16

Left: 25.611+/-0.000

χ^2/NDF : 4492265849.4/33

Left Out: 25.524+/-0.000

χ^2/NDF : 2667394186.8/17

Right: 22.159+/-0.000

χ^2/NDF : 2017477949.3/35

Right Out: 22.001+/-0.000

χ^2/NDF : 1066041325.5/18

In: 24.769+/-0.000

χ^2/NDF : 5356173506.1/32

Out: 24.714+/-0.000

χ^2/NDF : 6369078411.4/36

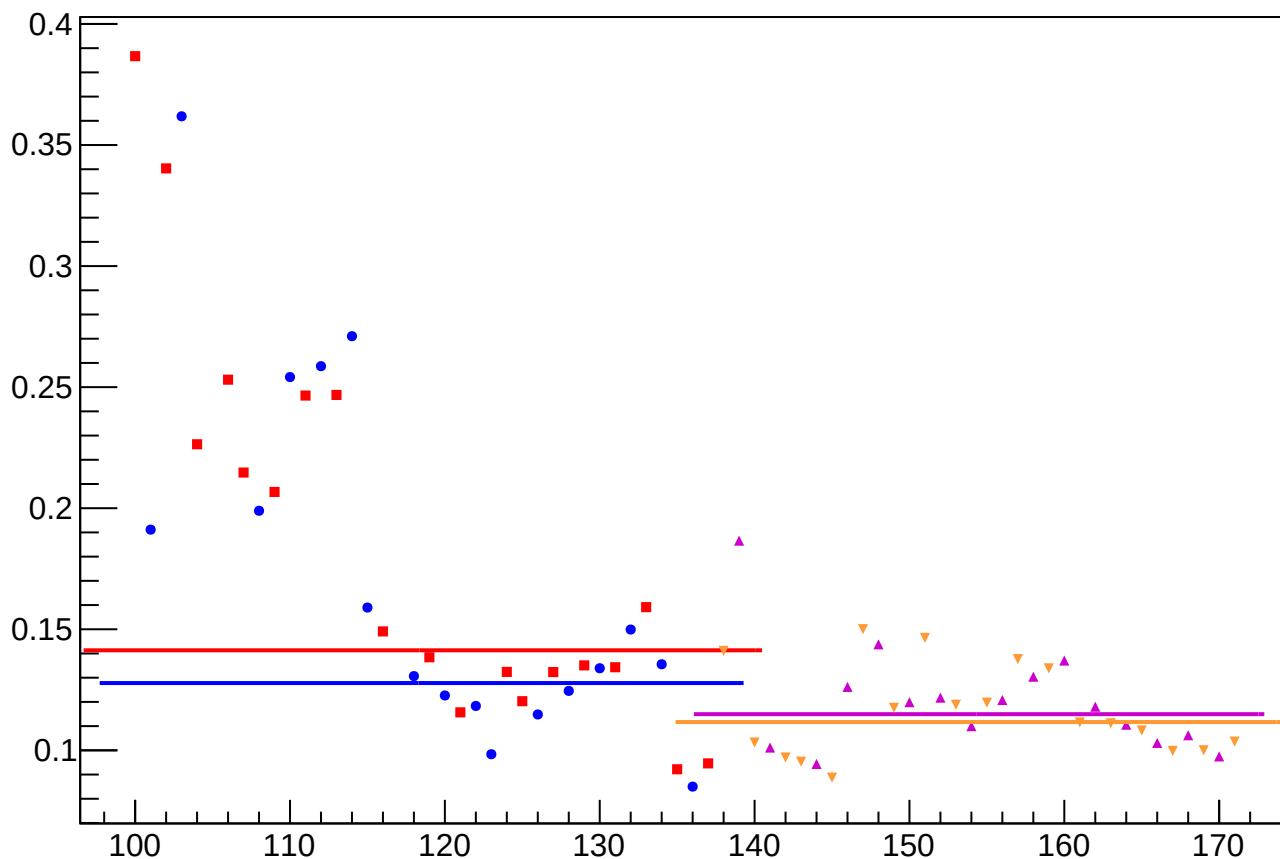
Left In: 25.709+/-0.000

χ^2/NDF : 1809963987.0/15

All: 24.741+/-0.000

χ^2/NDF : 11727044983.7

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.112 $\pm$ 0.000 χ^2 /NDF:520725.1/17

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1449275.1/18

Left In: 0.115 $\pm$ 0.000 χ^2 /NDF:517366.5/15

Left: 0.113 $\pm$ 0.000 χ^2 /NDF: 1047194.4/33

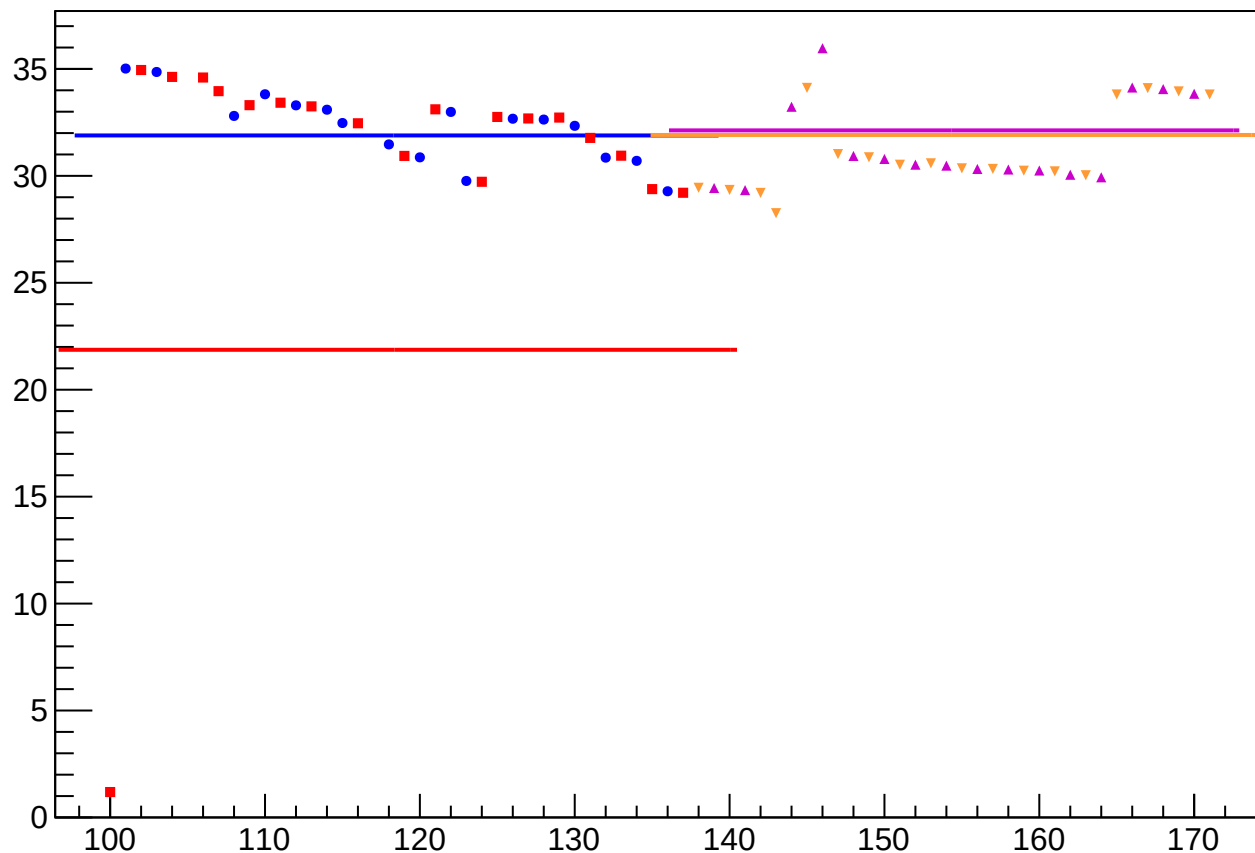
Right: 0.134 $\pm$ 0.000 χ^2 /NDF: 2994732.7/35

In: 0.118 $\pm$ 0.000 χ^2 /NDF:2083617.8/32

Out: 0.119 $\pm$ 0.000 χ^2 /NDF:2342664.0/36

All: 0.118 $\pm$ 0.000 χ^2 /NDF: 4426282.4/69

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000

χ^2/NDF : 1930403776.3/16

Left: 32.015+/-0.000

χ^2/NDF : 20982927381.3/33

Left Out: 31.912+/-0.000

χ^2/NDF : 10628404486.0/17

Right: 25.887+/-0.000

χ^2/NDF : 274879927198.7/35

Right Out: 21.867+/-0.000

χ^2/NDF : 230068750081.7/18

In: 32.073+/-0.000

χ^2/NDF : 12257404100.9/32

Out: 29.038+/-0.000

χ^2/NDF : 317364840423.8/36

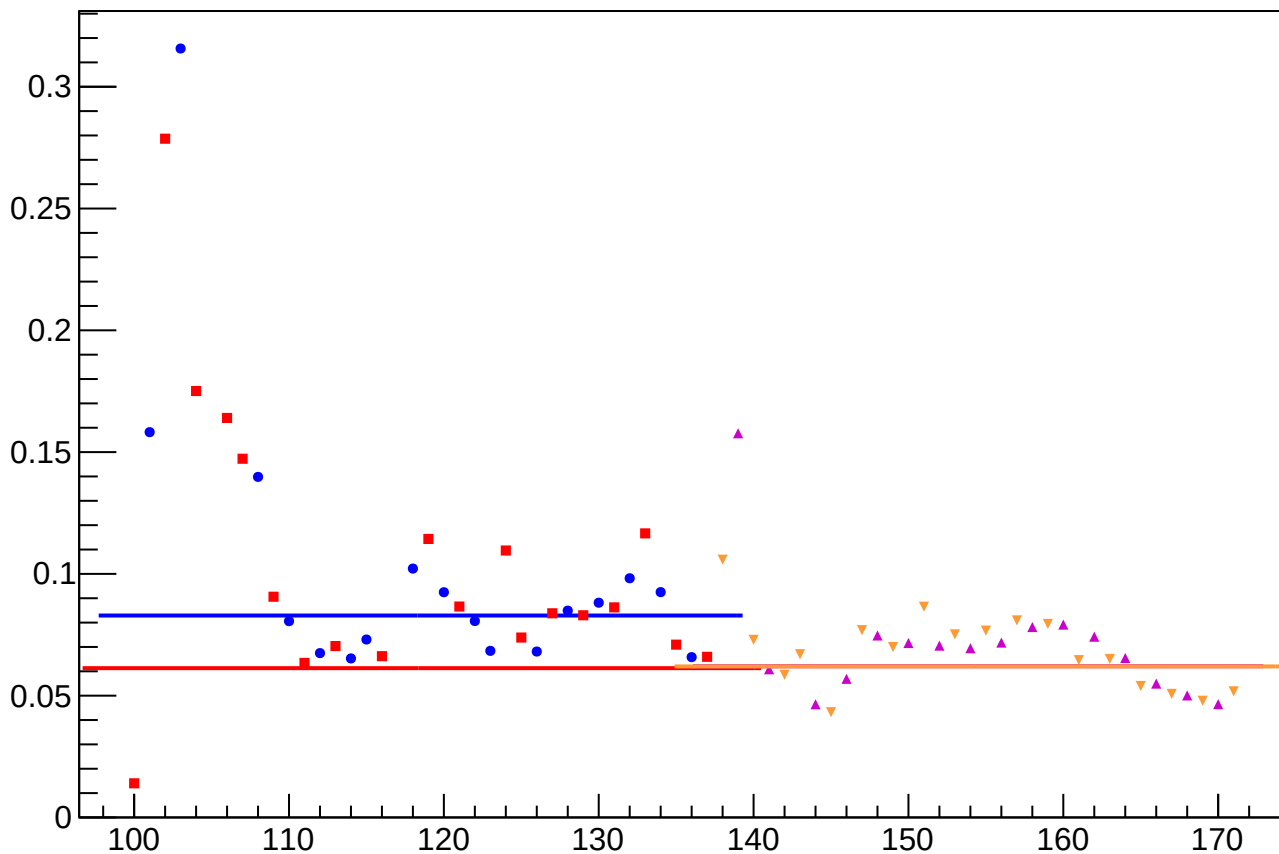
Left In: 32.126+/-0.000

χ^2/NDF : 10295996429.6/15

All: 30.433+/-0.000

χ^2/NDF : 345365372819.0/100

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.062 $\pm$ 0.000 χ^2 /NDF:1082197.2/17

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

Left In: 0.062 $\pm$ 0.000 χ^2 /NDF:1184477.6/15

Left: 0.062 $\pm$ 0.000 χ^2 /NDF: 2266690.3/33

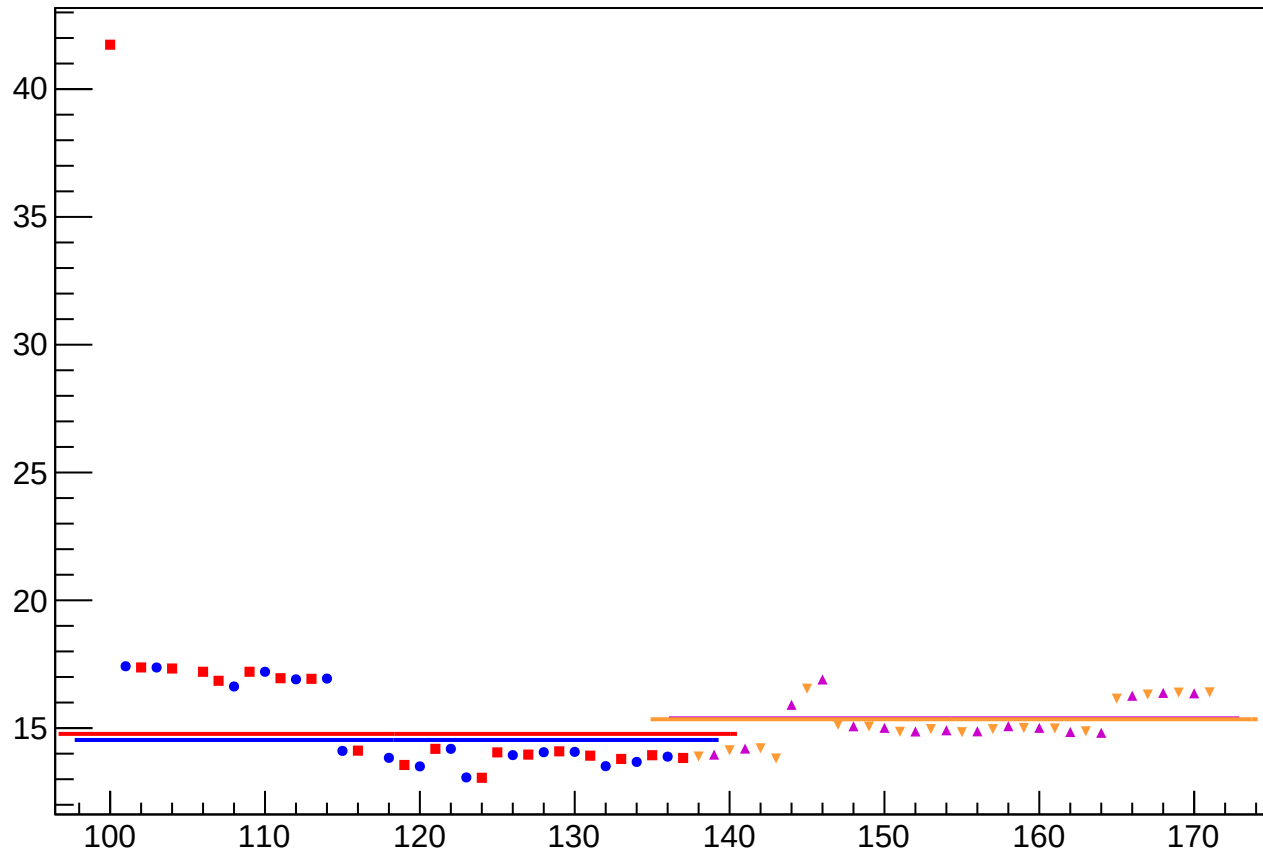
Right: 0.070 $\pm$ 0.000 χ^2 /NDF: 5167150.6/35

In: 0.067 $\pm$ 0.000 χ^2 /NDF:2827728.4/32

Out: 0.062 $\pm$ 0.000 χ^2 /NDF:4686822.8/36

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 7599171.0/69

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.346+/-0.000 χ^2/NDF : 1972609481.8/17

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

Left In: 15.382+/-0.000 χ^2/NDF : 1430214333.4/15

Left: 15.363+/-0.000 χ^2/NDF : 3404461113.7/33

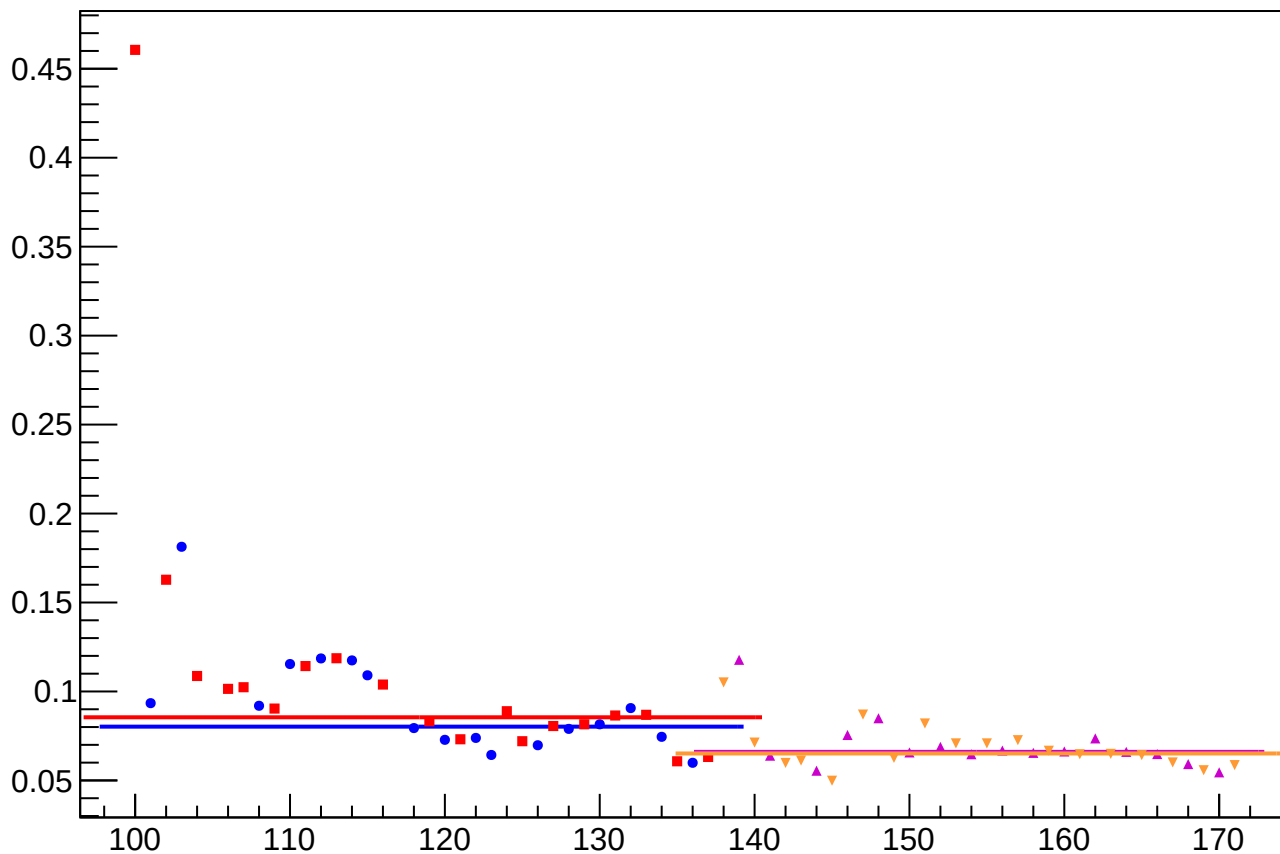
Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35

In: 15.160+/-0.000 χ^2/NDF : 3353924063.8/32

Out: 15.213+/-0.000 χ^2/NDF : 4061642450.3/36

All: 15.188+/-0.000 χ^2/NDF : 7420362602.8/66

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080 $\pm$ 0.000 χ^2 /NDF: 778734.5/16

Left Out: 0.065 $\pm$ 0.000 χ^2 /NDF:564542.6/17

Right Out: 0.085 $\pm$ 0.000 χ^2 /NDF: 738043.0/18

Left In: 0.066 $\pm$ 0.000 χ^2 /NDF:513901.5/15

Left: 0.066 $\pm$ 0.000 χ^2 /NDF: 1080515.4/33

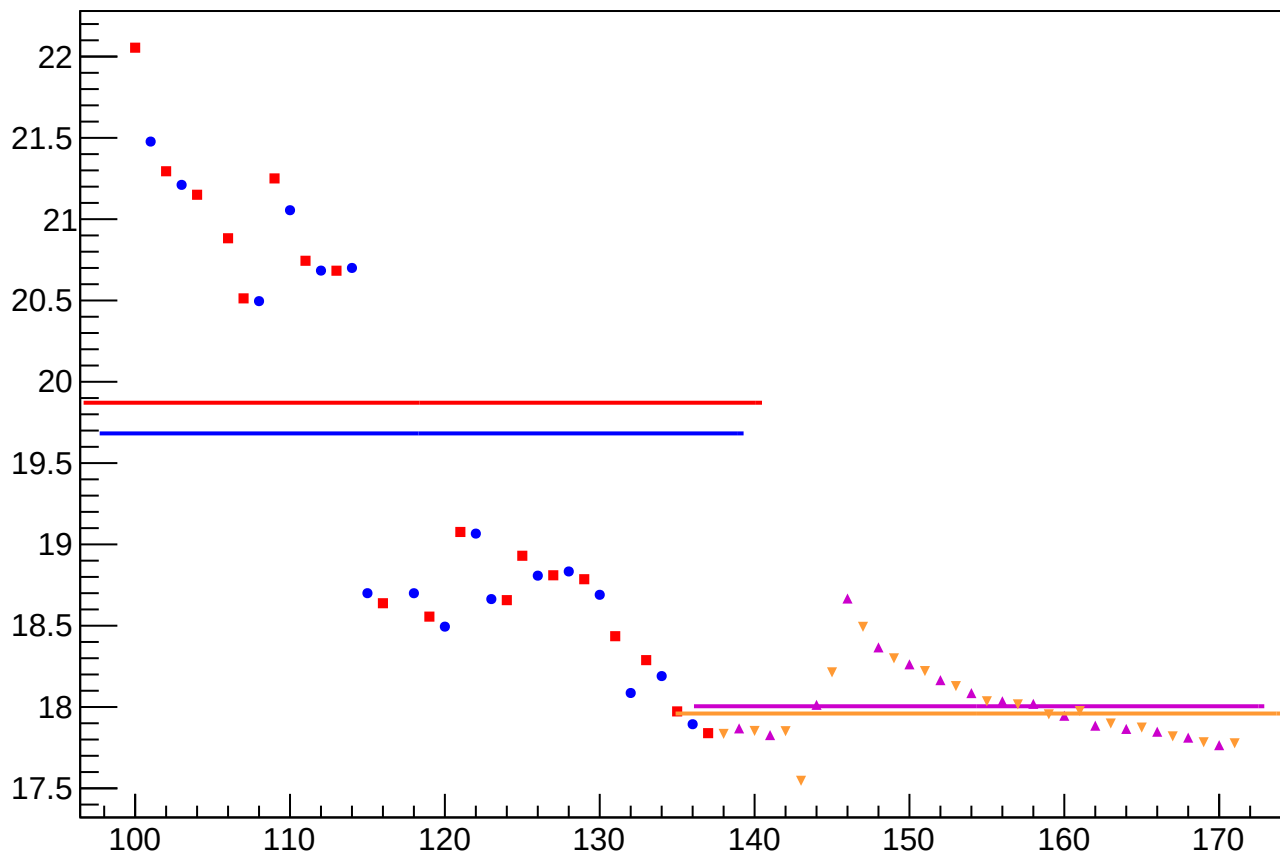
Right: 0.083 $\pm$ 0.000 χ^2 /NDF: 1539722.7/35

In: 0.070 $\pm$ 0.000 χ^2 /NDF:1546755.4/32

Out: 0.070 $\pm$ 0.000 χ^2 /NDF:1813344.6/36

All: 0.070 $\pm$ 0.000 χ^2 /NDF: 3360128.0/69

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.960+/-0.000 χ^2/NDF : 533245476.1/17

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

Left In: 18.005+/-0.000 χ^2/NDF : 519720817.9/15

Left: 17.981+/-0.000 χ^2/NDF : 1065639245.0/33

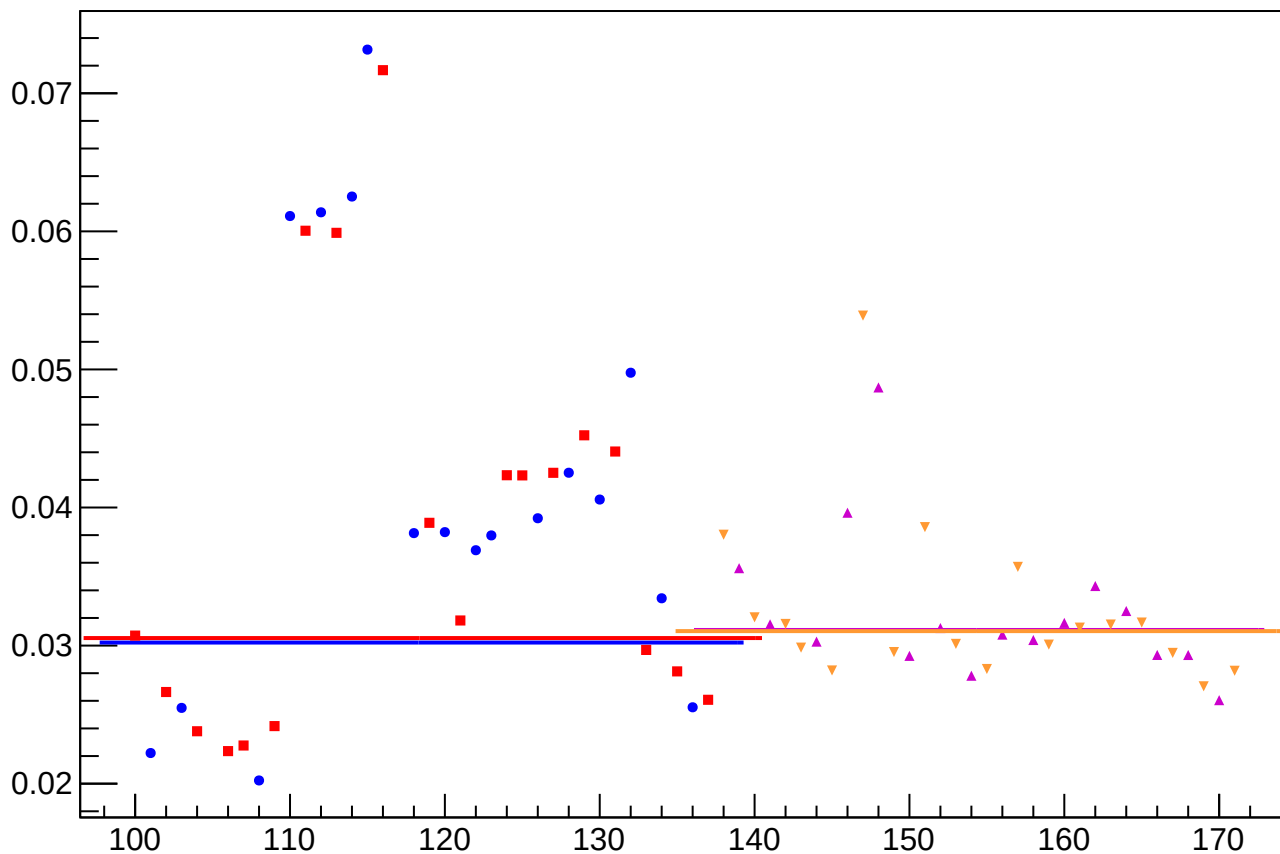
Right: 19.778+/-0.000 χ^2/NDF : 23711776447.8/35

In: 18.564+/-0.000 χ^2/NDF : 24266828024.2/32

Out: 18.579+/-0.000 χ^2/NDF : 27475943440.8/36

All: 18.572+/-0.000 χ^2/NDF : 51744731614.8

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031+/-0.000 χ^2/NDF : 492613.7/17

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

Left In: 0.031+/-0.000 χ^2/NDF : 406661.2/15

Left: 0.031+/-0.000 χ^2/NDF : 899359.6/33

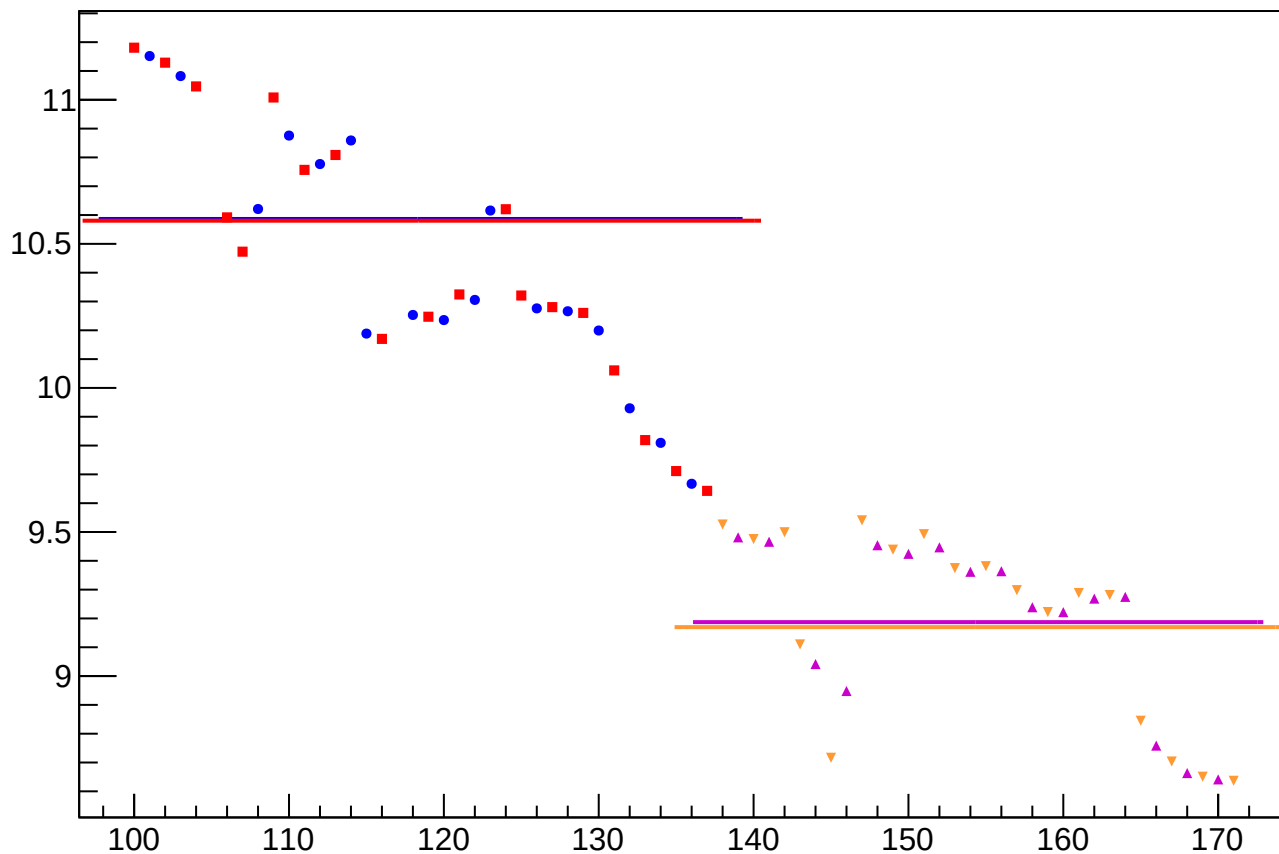
Right: 0.030+/-0.000 χ^2/NDF : 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF : 1737923.6/32

Out: 0.031+/-0.000 χ^2/NDF : 1684510.9/36

All: 0.031+/-0.000 χ^2/NDF : 3422500.2/69

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.170+/-0.000 χ^2/NDF : 3304859759.9/17

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

Left In: 9.187+/-0.000 χ^2/NDF : 2313228463.6/15

Left: 9.178+/-0.000 χ^2/NDF : 5622628367.0/33

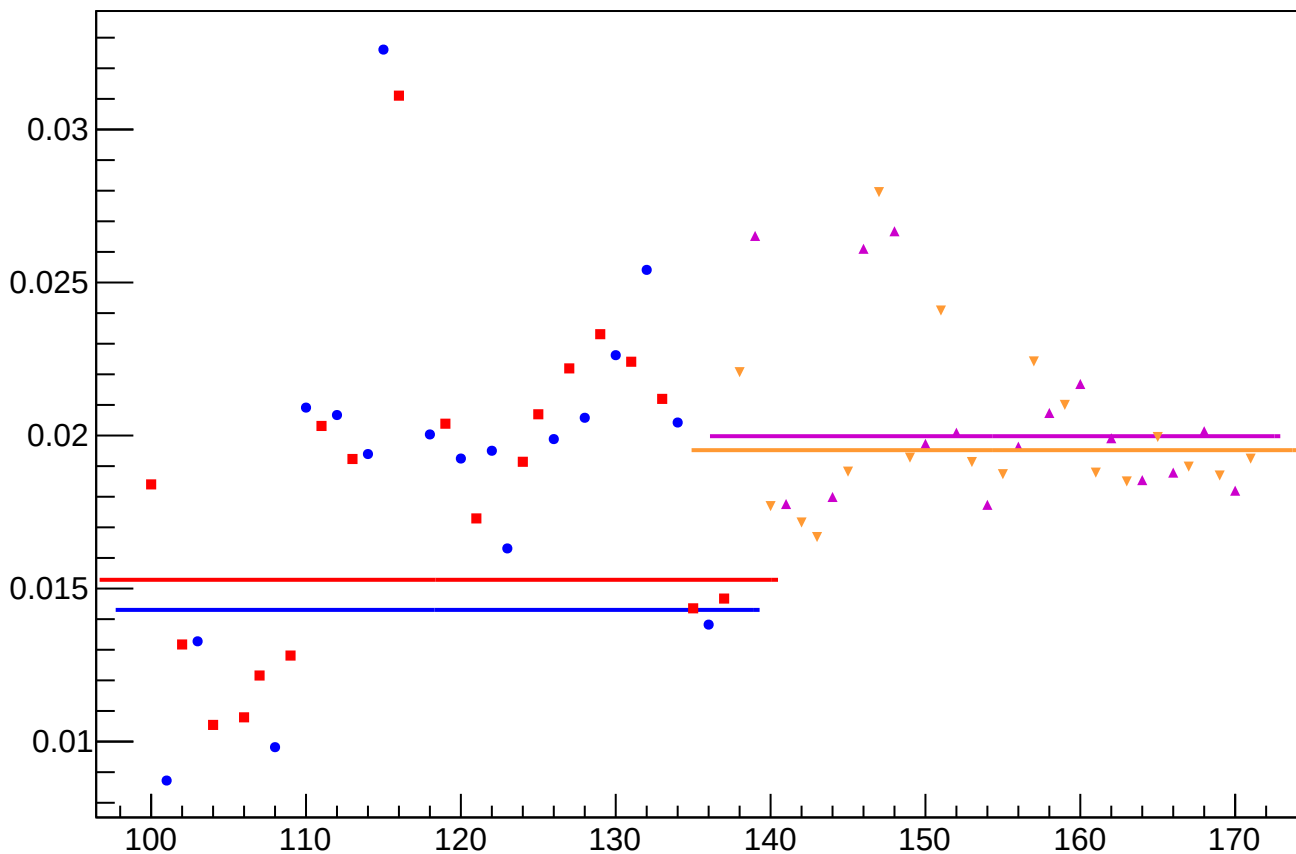
Right: 10.583+/-0.000 χ^2/NDF : 13184410027.5/35

In: 9.856+/-0.000 χ^2/NDF : 36353973170.3/32

Out: 9.790+/-0.000 χ^2/NDF : 37223856367.7/36

All: 9.822+/-0.000 χ^2/NDF : 73696610434.6/66

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 :319446.4/17

Right Out: 0.015+/-0.000 χ^2/NDF : 989017.0/18

Left In: 0.020+/-0.000 χ^2/NDF :366778.5/15

Left: 0.020+/-0.000 χ^2/NDF : 692522.8/33

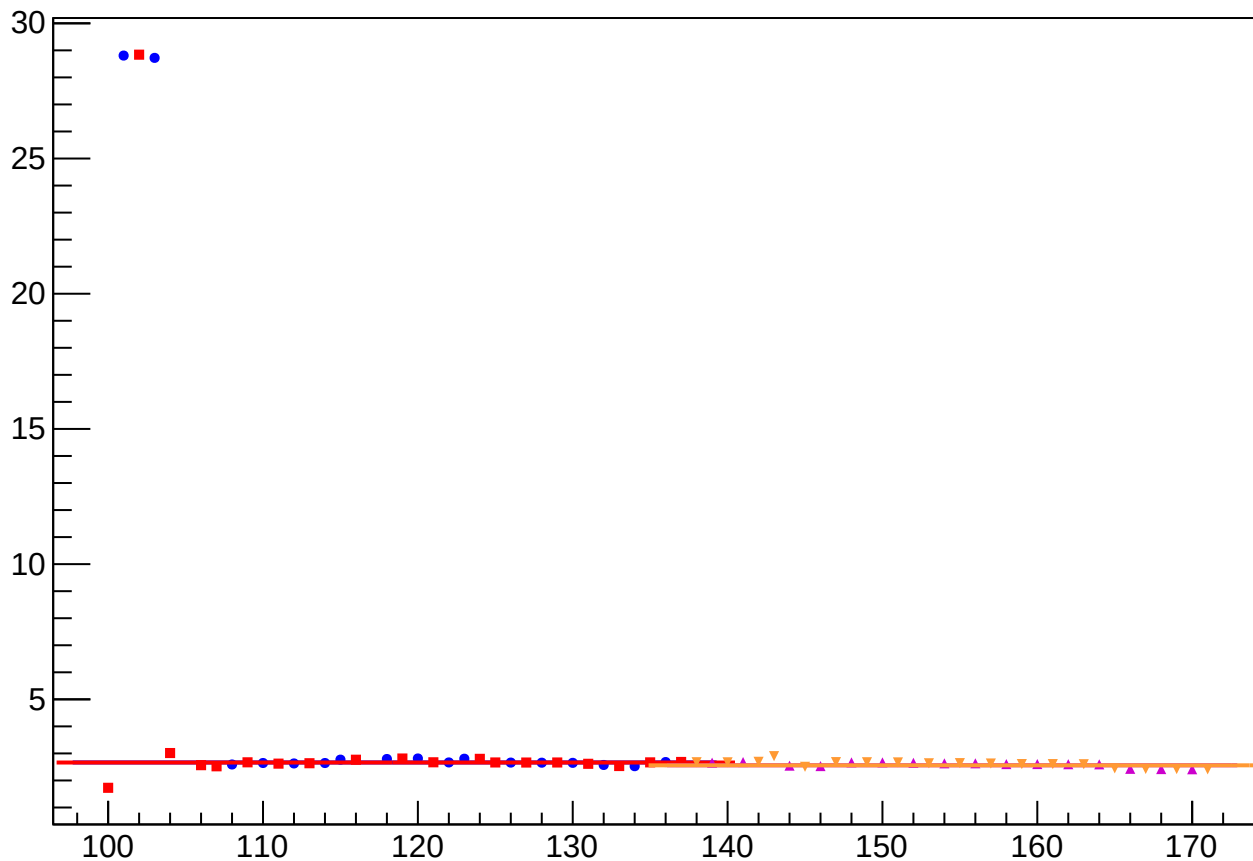
Right: 0.015+/-0.000 χ^2/NDF : 2421831.8/35

In: 0.017+/-0.000 χ^2/NDF :2650931.9/32

Out: 0.018+/-0.000 χ^2/NDF :1816236.8/36

All: 0.017+/-0.000 χ^2/NDF : 4475731.7/69

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.560 $\pm$ 0.000 χ^2 /NDF: 36351190547.1/17

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

Left In: 2.562 $\pm$ 0.000 χ^2 /NDF: 20921808297.4/15

Left: 2.561 $\pm$ 0.000 χ^2 /NDF: 57278753332.7/33

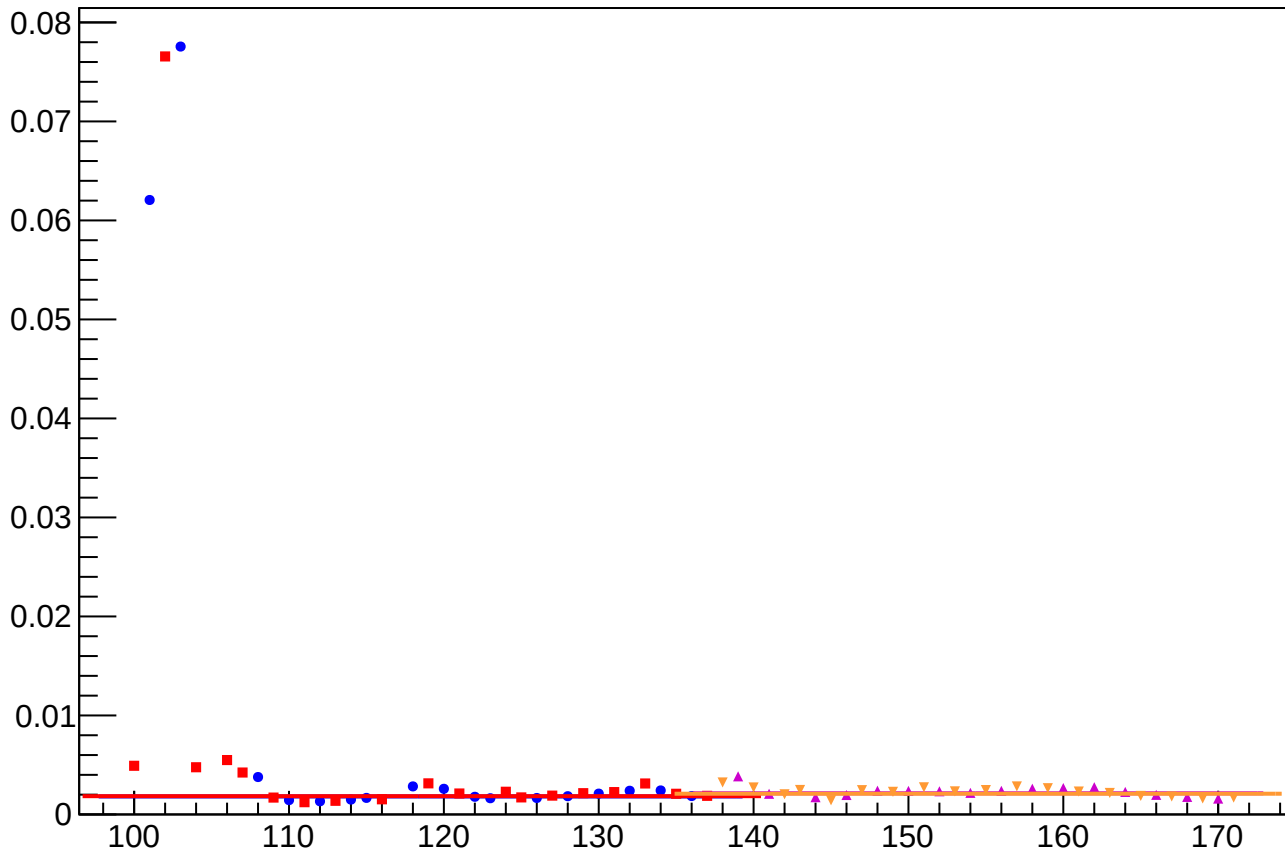
Right: 2.665 $\pm$ 0.000 χ^2 /NDF: 233569925265.6/35

In: 2.602 $\pm$ 0.000 χ^2 /NDF: 193133044252.5/32

Out: 2.598 $\pm$ 0.000 χ^2 /NDF: 116408996036.4/36

All: 2.600 $\pm$ 0.000 χ^2 /NDF: 309568972406.4

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 : 1060023.3/17

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF : 799895.7/15

Left: 0.002+/-0.000 χ^2/NDF : 1864500.0/33

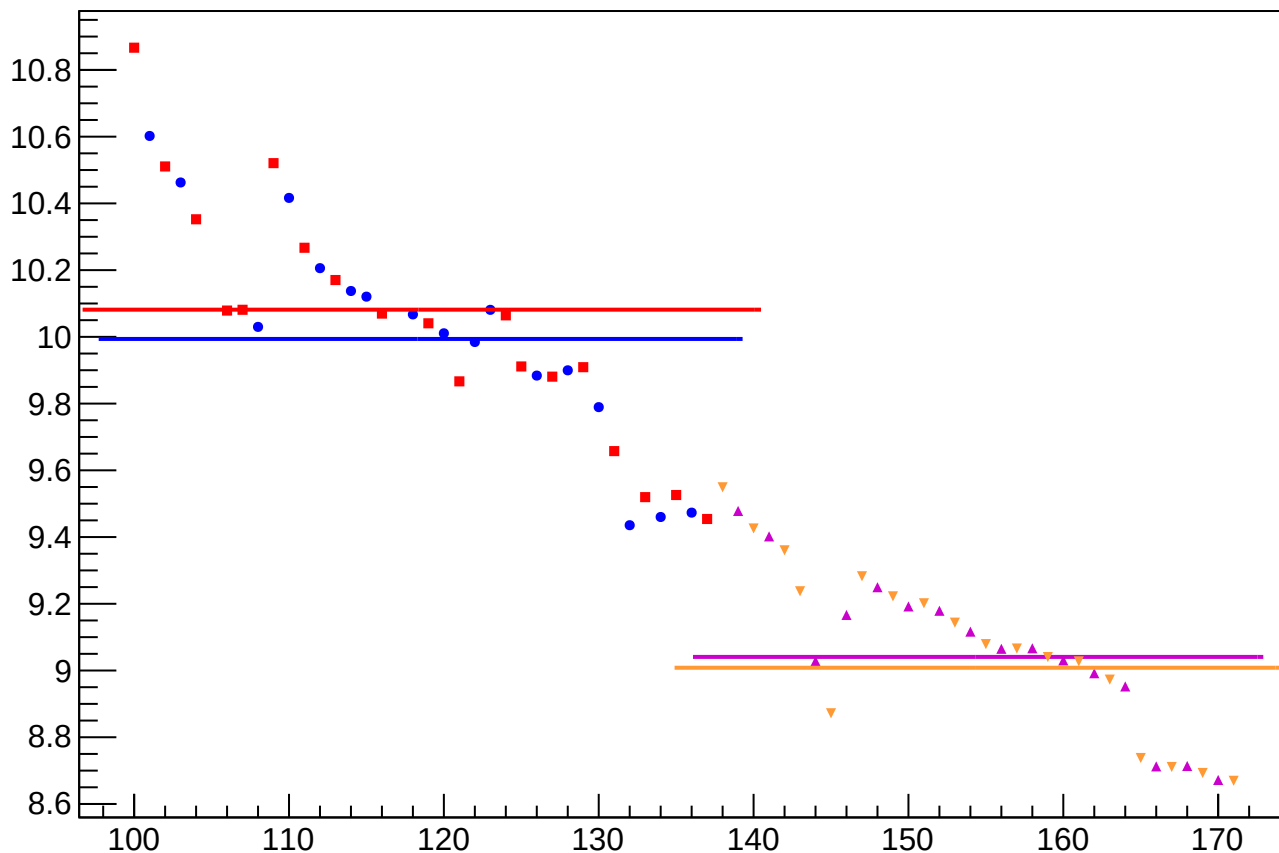
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF : 3633582.1/32

Out: 0.002+/-0.000 χ^2/NDF : 3501595.5/36

All: 0.002+/-0.000 χ^2/NDF : 7135815.1/69

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.008 $\pm$ 0.000 χ^2 /NDF: 15877801574.4/17

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

Left In: 9.041 $\pm$ 0.000 χ^2 /NDF: 11688840502.8/15

Left: 9.023 $\pm$ 0.000 χ^2 /NDF: 27710253991.5/33

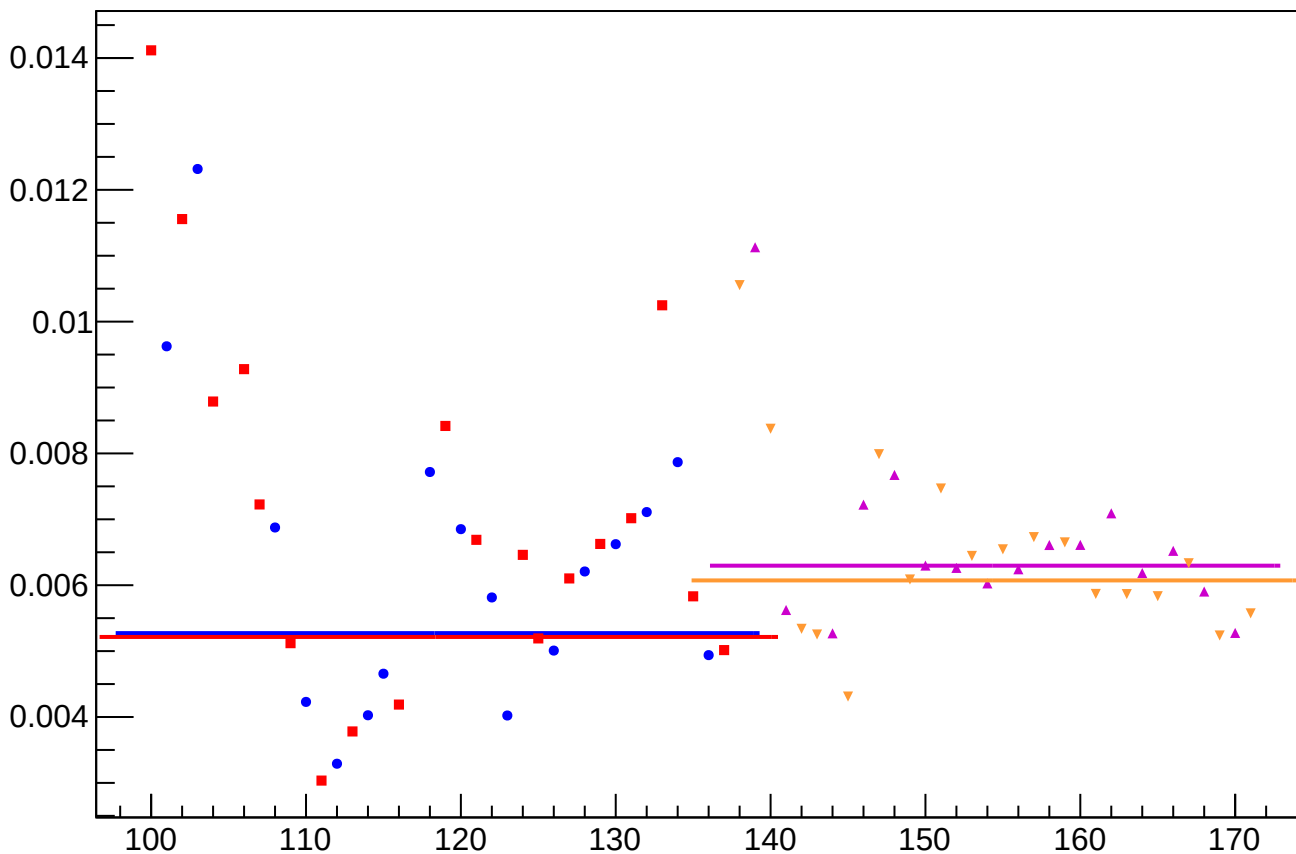
Right: 10.039 $\pm$ 0.000 χ^2 /NDF: 35036056098.5/35

In: 9.436 $\pm$ 0.000 χ^2 /NDF: 12654565572.7/32

Out: 9.434 $\pm$ 0.000 χ^2 /NDF: 165024907928.8/36

All: 9.435 $\pm$ 0.000 χ^2 /NDF: 291572383782.8

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 : 737026.8/17

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 470398.5/15

Left: 0.006+/-0.000 χ^2/NDF : 1221061.5/33

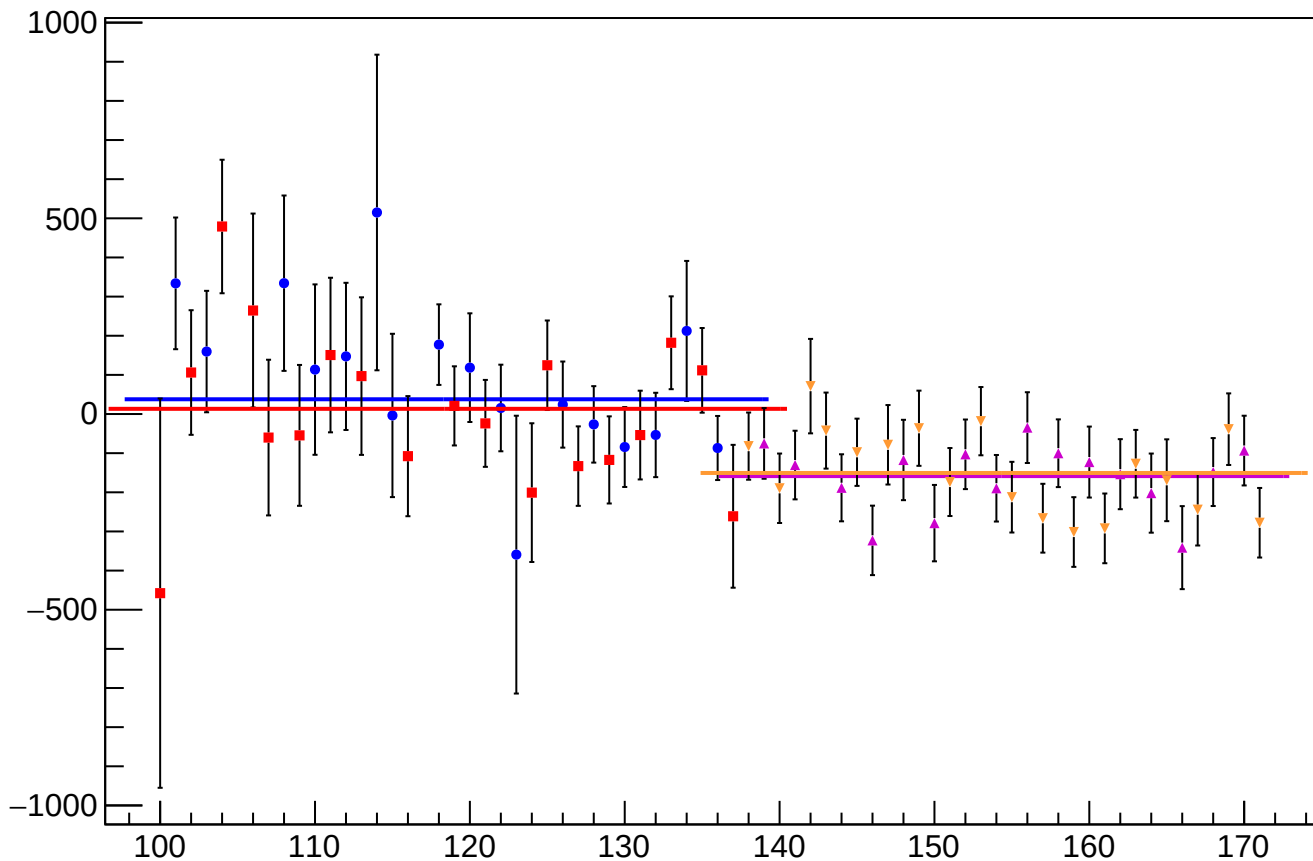
Right: 0.005+/-0.000 χ^2/NDF : 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF : 1937535.2/32

Out: 0.006+/-0.000 χ^2/NDF : 2565787.3/36

All: 0.006+/-0.000 χ^2/NDF : 4512161.5/69

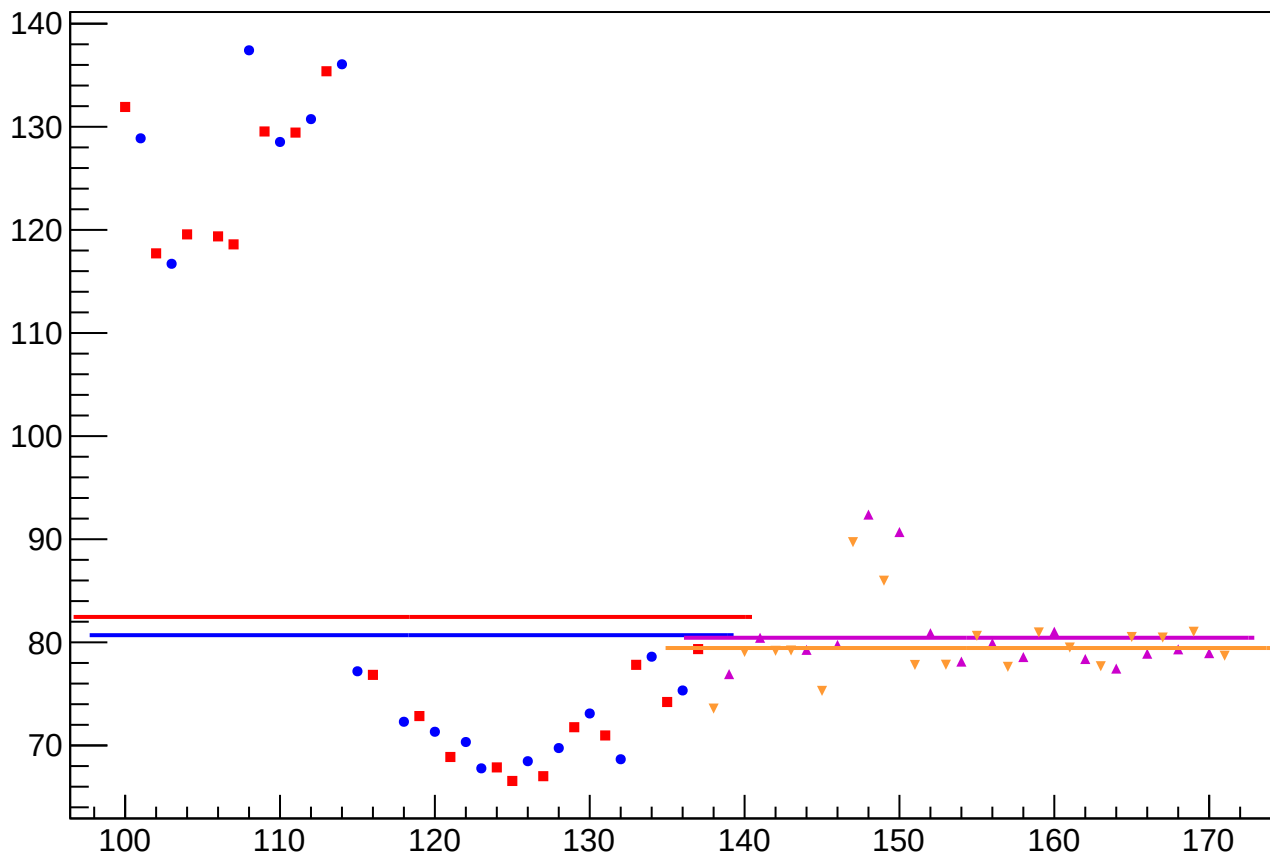
reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694+/-32.253 χ^2/NDF : 16.7/16
 Left Out: -150.571+/-21.628 χ^2/NDF :22.4/17
 Right Out: 13.278+/-32.066 χ^2/NDF : 22.7/18
 Left In: -158.570+/-22.769 χ^2/NDF :12.9/15

Left: -154.365+/-15.681 χ^2/NDF : 35.4/33
 Right: 25.415+/-22.740 χ^2/NDF : 39.7/35
 In: -93.293+/-18.601 χ^2/NDF :54.3/32
 Out: -99.339+/-17.931 χ^2/NDF :63.1/36
 All: -96.427+/-12.909 χ^2/NDF : 117.5/69

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.449 $\pm$ 0.015 χ^2 /NDF: 49023.9/17

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

Left In: 80.444 $\pm$ 0.016 χ^2 /NDF: 59450.1/15

Left: 79.921 $\pm$ 0.011 χ^2 /NDF: 110481.7/33

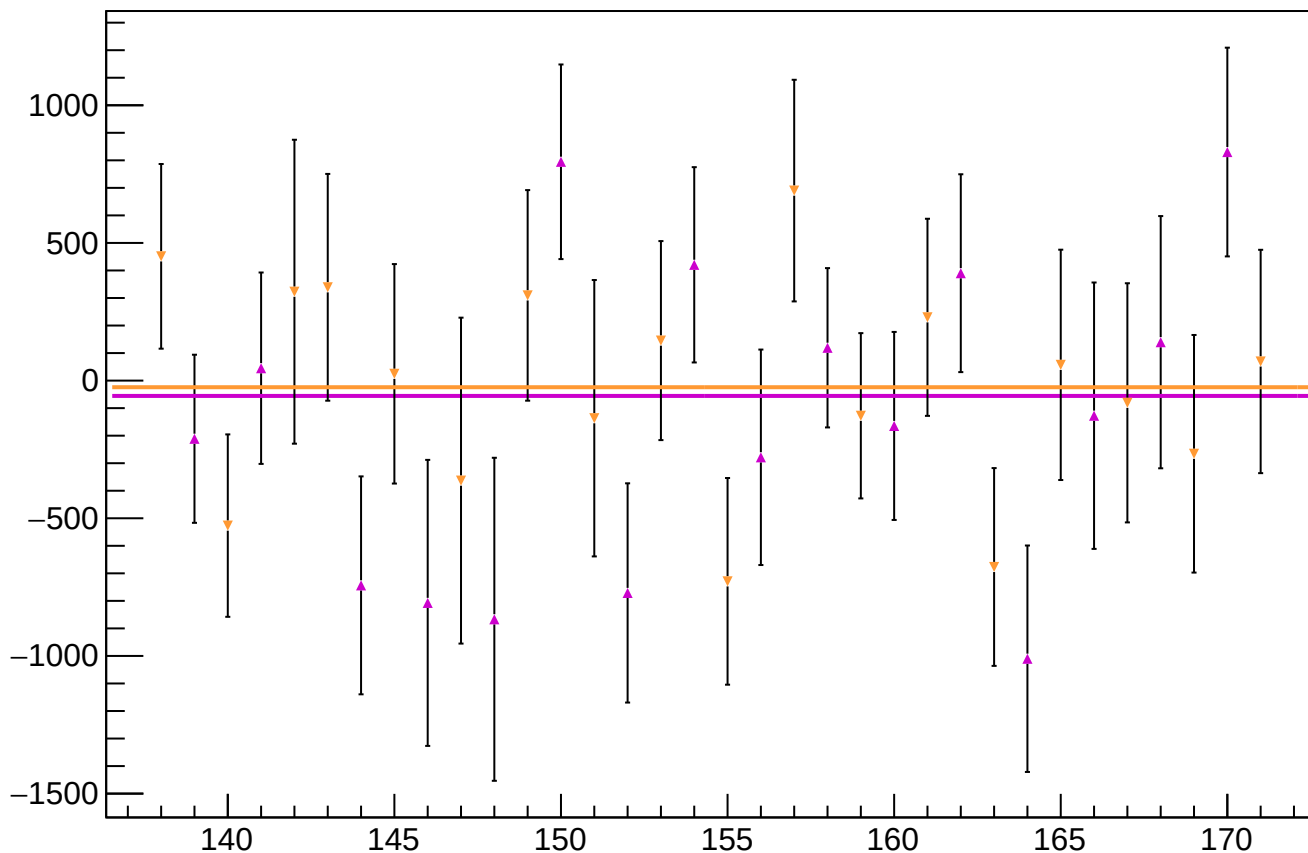
Right: 81.584 $\pm$ 0.016 χ^2 /NDF: 1731931.3/35

In: 80.527 $\pm$ 0.013 χ^2 /NDF: 873556.8/32

Out: 80.392 $\pm$ 0.013 χ^2 /NDF: 976051.2/36

All: 80.457 $\pm$ 0.009 χ^2 /NDF: 1849663.1/69

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -24.026+/-92.374 χ^2/NDF :17.9/17

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

Left In: -55.626+/-94.922 χ^2/NDF :31.6/15

Left: -39.396+/-66.201 χ^2/NDF : 49.5/33

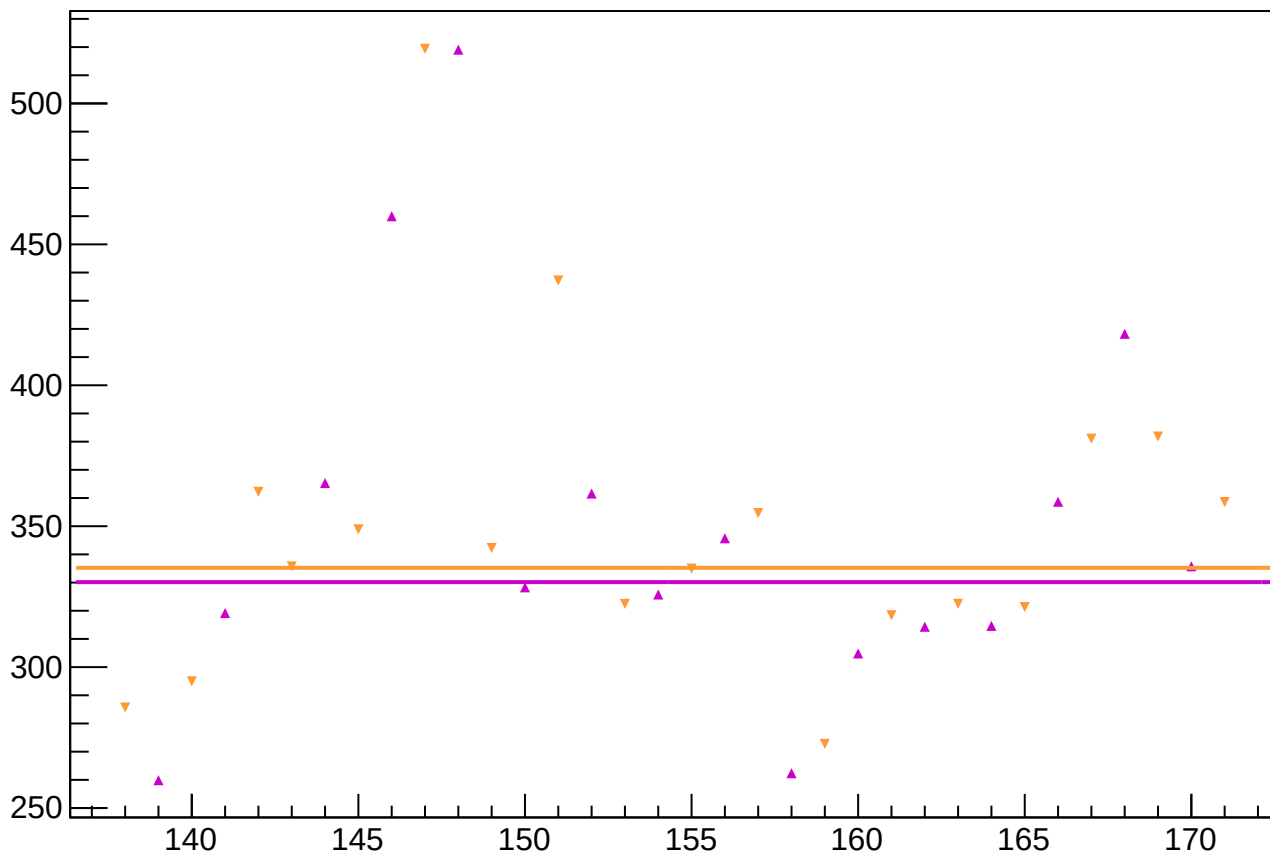
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -55.626+/-94.922 χ^2/NDF :31.6/15

Out: -24.026+/-92.374 χ^2/NDF :17.9/17

All: -39.396+/-66.201 χ^2/NDF : 49.5/33

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 335.231 $\pm$ 0.065 χ^2/NDF :512308.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 330.162 $\pm$ 0.067 χ^2/NDF :681140.4/15

Left: 332.766 $\pm$ 0.047 χ^2/NDF : 1196378.9/33

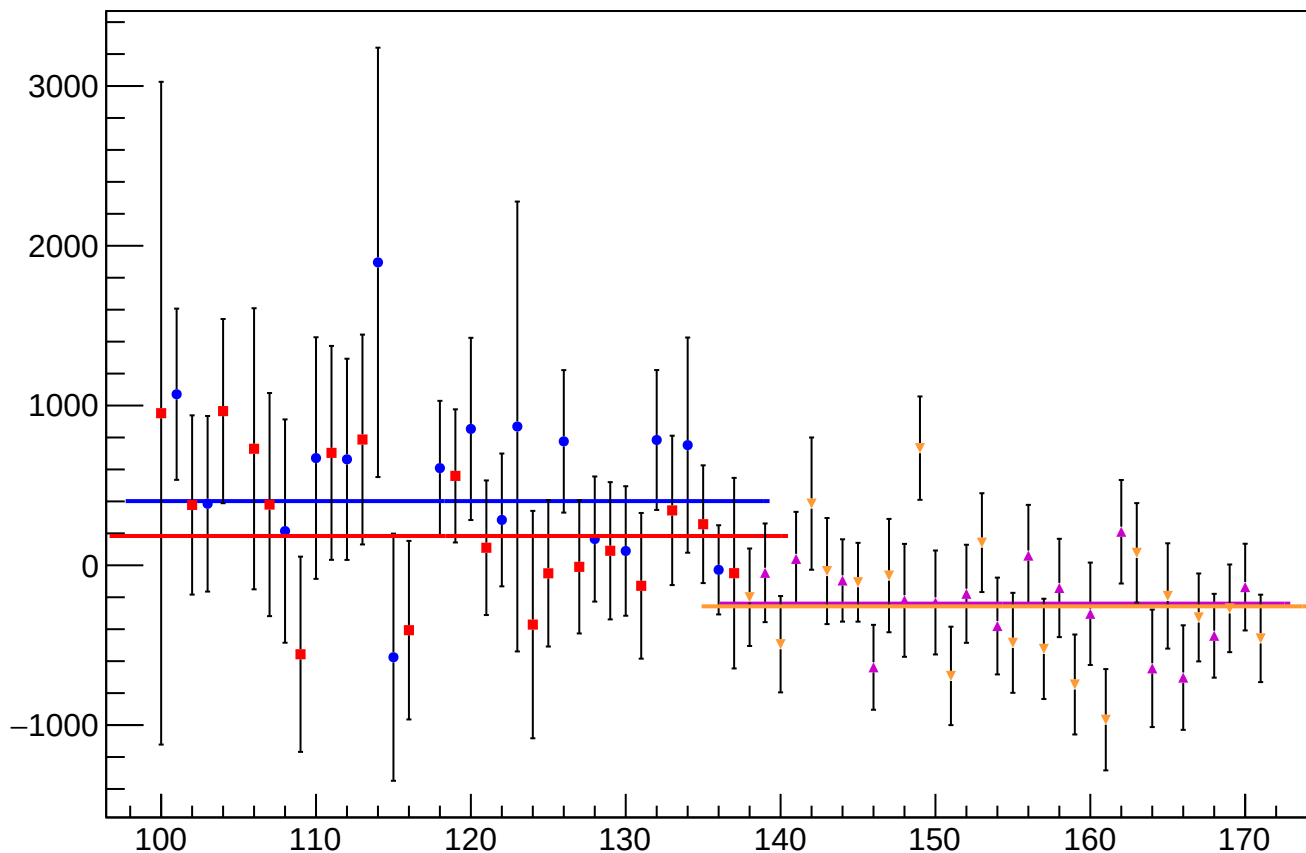
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 330.162 $\pm$ 0.067 χ^2/NDF :681140.4/15

Out: 335.231 $\pm$ 0.065 χ^2/NDF :512308.6/17

All: 332.766 $\pm$ 0.047 χ^2/NDF : 1196378.9/33

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -256.906 $\pm$ 72.266 χ^2 /NDF:27.7/17

Right Out: 183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

Left In: -239.891 $\pm$ 75.638 χ^2 /NDF:11.0/15

Left: -248.786 $\pm$ 52.251 χ^2 /NDF: 38.8/33

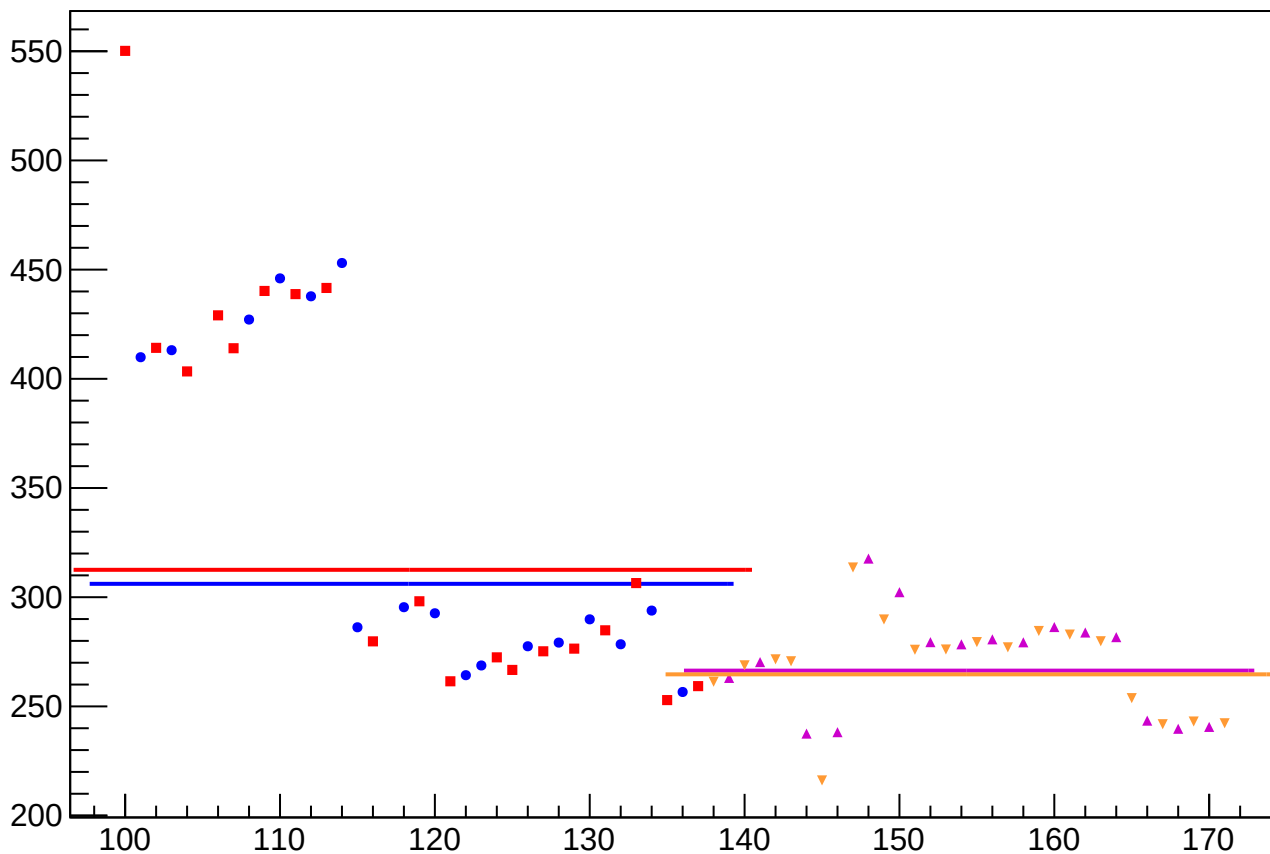
Right: 292.034 $\pm$ 85.342 χ^2 /NDF: 21.9/35

In: -59.678 $\pm$ 64.145 χ^2 /NDF:42.1/32

Out: -140.182 $\pm$ 61.953 χ^2 /NDF:46.9/36

All: -101.328 $\pm$ 44.562 χ^2 /NDF: 89.9/69

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 264.679+/-0.051 χ^2/NDF : 203593.5/17

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

Left In: 266.378+/-0.053 χ^2/NDF : 194520.4/15

Left: 265.490+/-0.037 χ^2/NDF : 398641.9/33

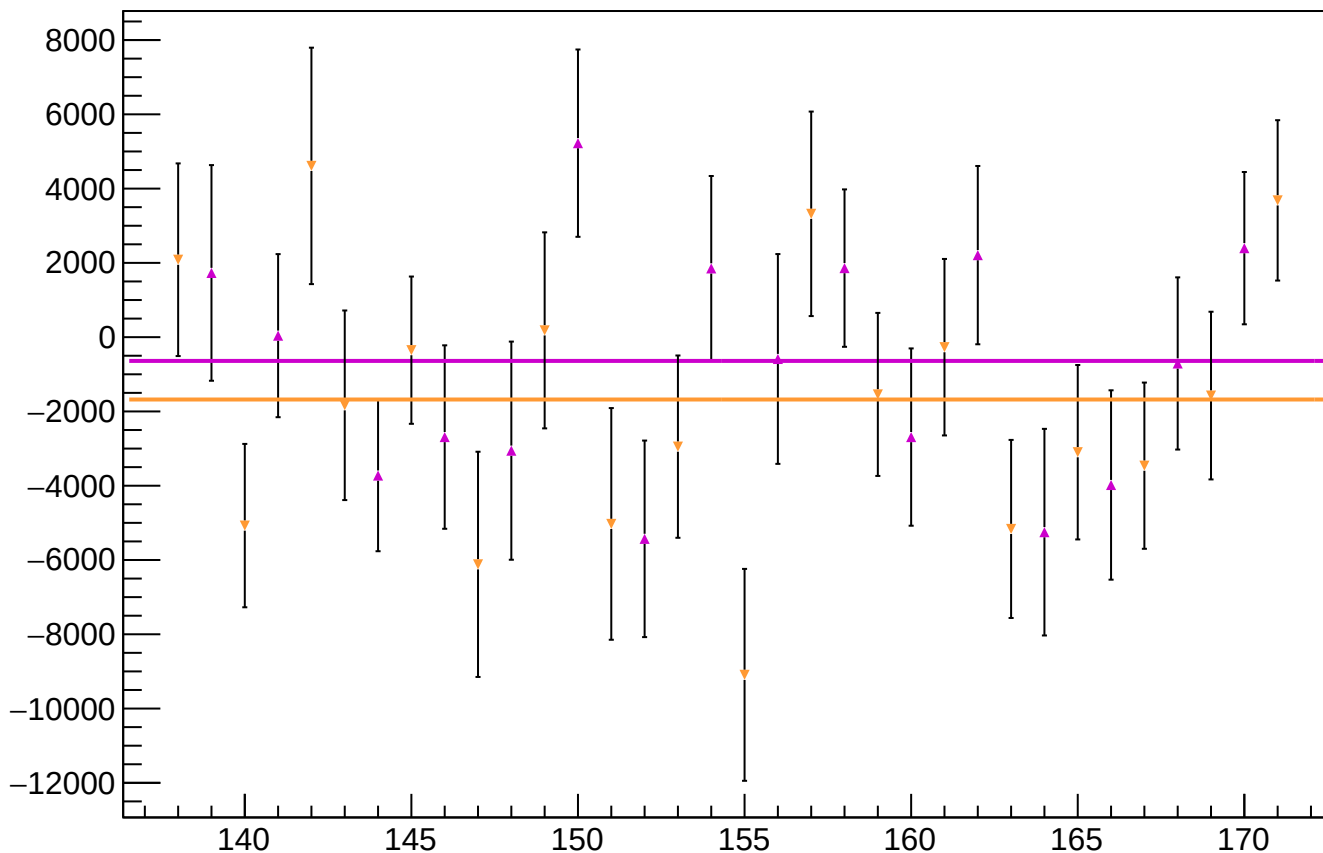
Right: 309.352+/-0.060 χ^2/NDF : 1137034.2/35

In: 277.539+/-0.045 χ^2/NDF : 858026.1/32

Out: 277.365+/-0.044 χ^2/NDF : 1061903.6/36

All: 277.449+/-0.032 χ^2/NDF : 1919937.3/69

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1678.666+/-578.487 χ^2/NDF :32.6/17

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

Left In: -639.573+/-607.195 χ^2/NDF :24.3/15

Left: -1184.264+/-418.833 χ^2/NDF : 58.4/33

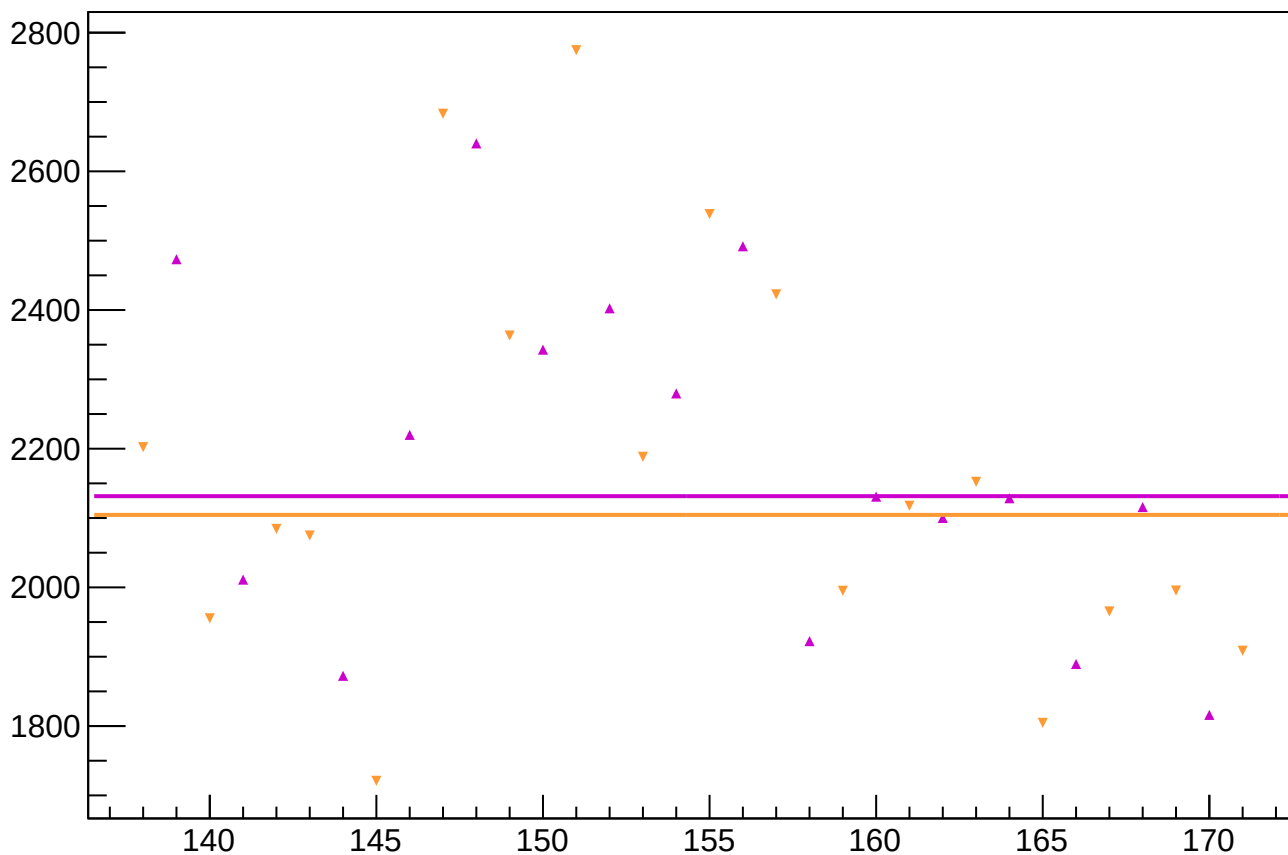
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -639.573+/-607.195 χ^2/NDF :24.3/15

Out: -1678.666+/-578.487 χ^2/NDF :32.6/17

All: -1184.264+/-418.833 χ^2/NDF : 58.4/33

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2104.529+/-0.409 χ^2/NDF :414144.4/17

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

Left In: 2131.557+/-0.429 χ^2/NDF :288519.8/15

Left: 2117.389+/-0.296 χ^2/NDF : 704741.5/33

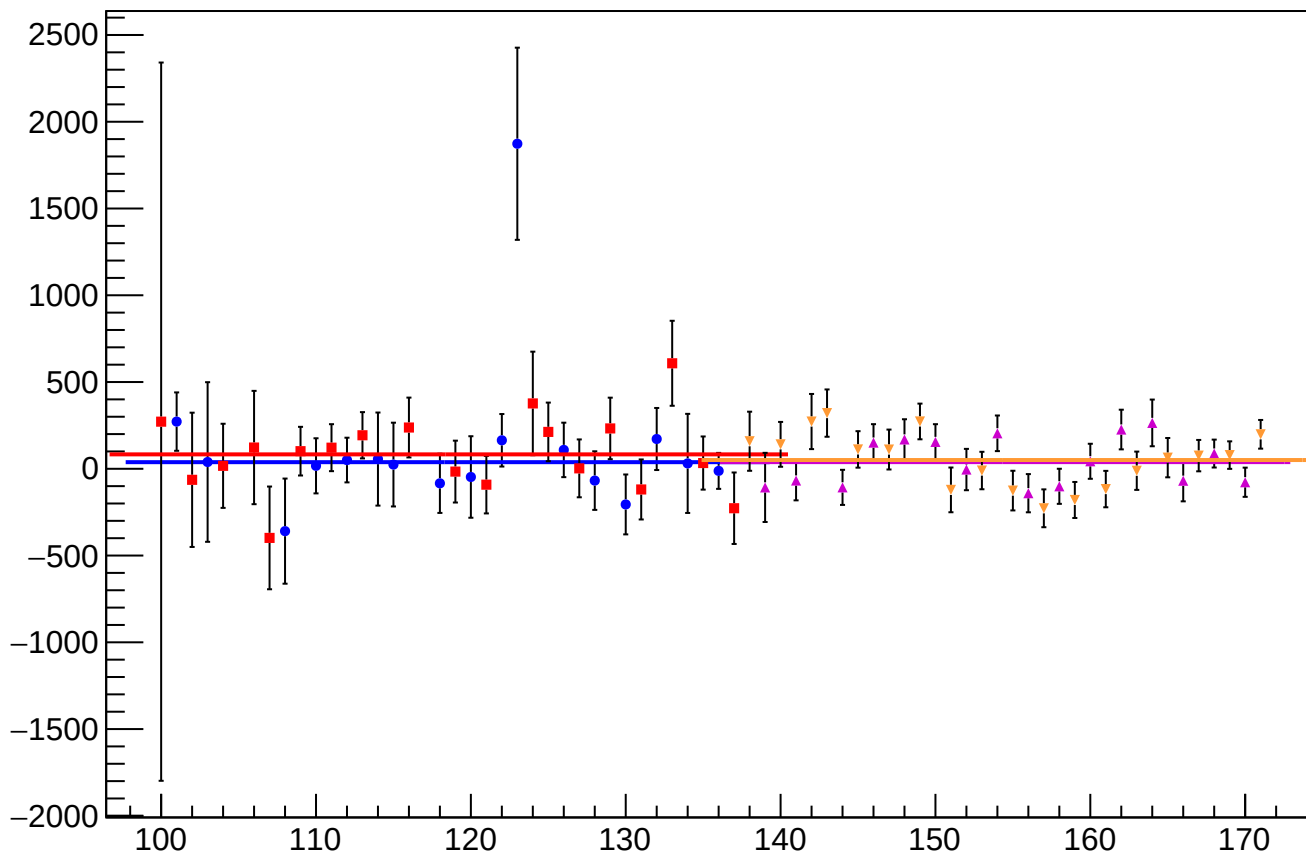
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2131.557+/-0.429 χ^2/NDF :288519.8/15

Out: 2104.529+/-0.409 χ^2/NDF :414144.4/17

All: 2117.389+/-0.296 χ^2/NDF : 704741.5/33

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2 /NDF: 19.4/16

Left Out: 50.406 $\pm$ 25.595 χ^2 /NDF:34.3/17

Right Out: 83.101 $\pm$ 43.098 χ^2 /NDF: 16.7/18

Left In: 38.483 $\pm$ 26.725 χ^2 /NDF:23.0/15

Left: 44.702 $\pm$ 18.485 χ^2 /NDF: 57.4/33

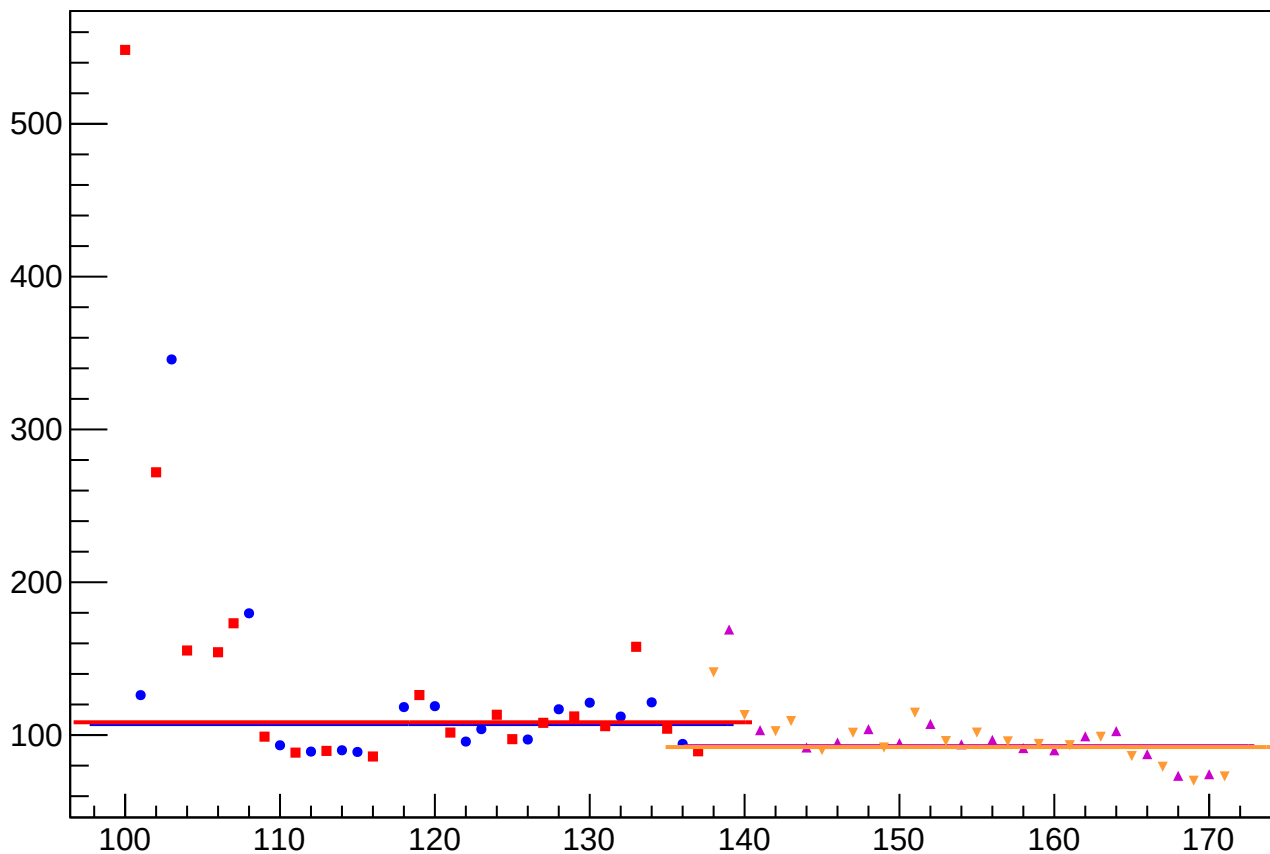
Right: 60.847 $\pm$ 30.633 χ^2 /NDF: 36.7/35

In: 38.385 $\pm$ 22.778 χ^2 /NDF:42.4/32

Out: 58.931 $\pm$ 22.007 χ^2 /NDF:51.4/36

All: 49.012 $\pm$ 15.827 χ^2 /NDF: 94.3/69

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 ± 0.031 $\chi^2/\text{NDF}: 843115.1/16$

Left Out: 92.140 ± 0.018 $\chi^2/\text{NDF}: 667393.8/17$

Right Out: 108.359 ± 0.030 $\chi^2/\text{NDF}: 917287.7/18$

Left In: 92.758 ± 0.019 $\chi^2/\text{NDF}: 597641.3/15$

Left: 92.436 ± 0.013 $\chi^2/\text{NDF}: 1265593.4/33$

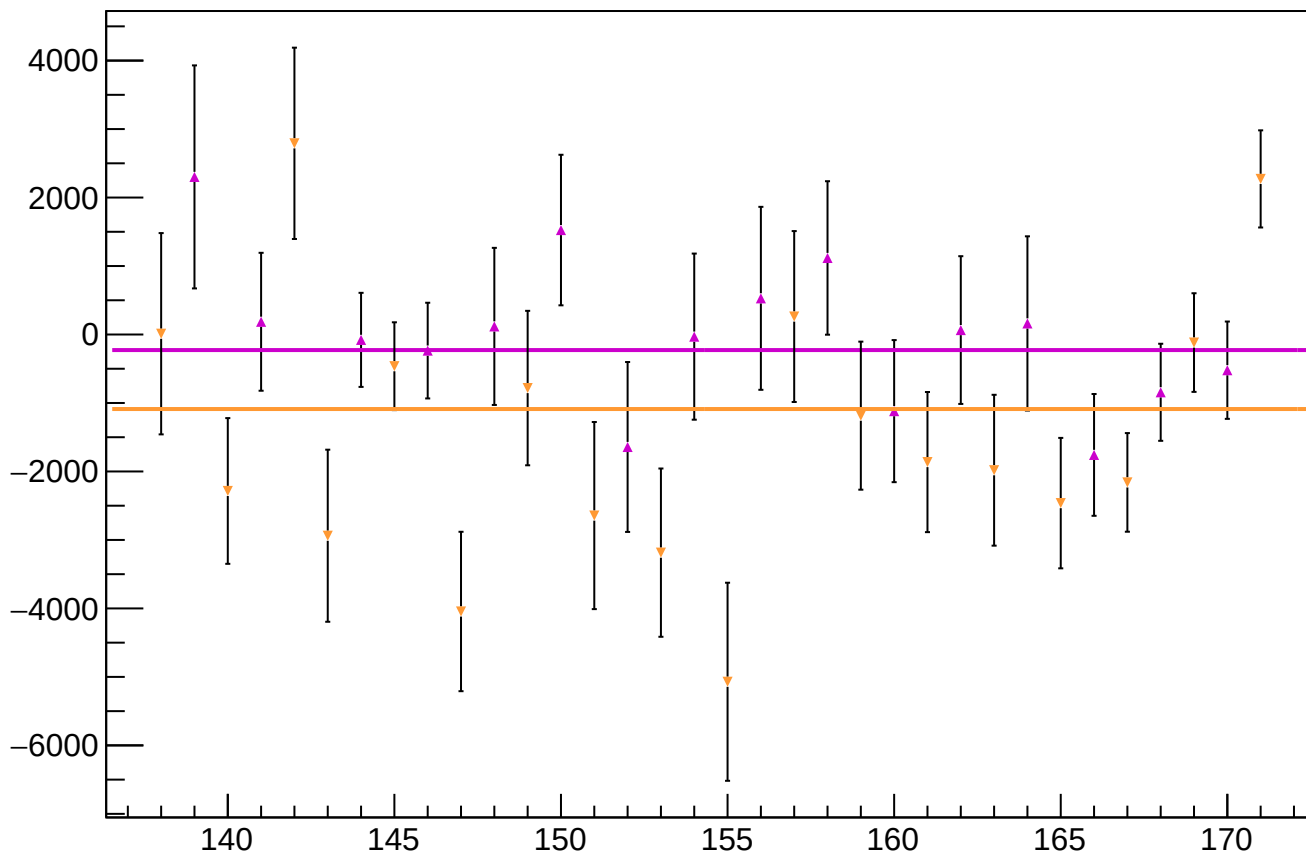
Right: 107.780 ± 0.022 $\chi^2/\text{NDF}: 1761132.0/35$

In: 96.706 ± 0.016 $\chi^2/\text{NDF}: 1600287.0/32$

Out: 96.369 ± 0.016 $\chi^2/\text{NDF}: 1794068.3/36$

All: 96.532 ± 0.011 $\chi^2/\text{NDF}: 3394582.4/69$

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1088.291+/-233.451 χ^2/NDF : 61.9/17

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

Left In: -227.259+/-239.409 χ^2/NDF : 13.1/15

Left: -668.623+/-167.142 χ^2/NDF : 81.7/33

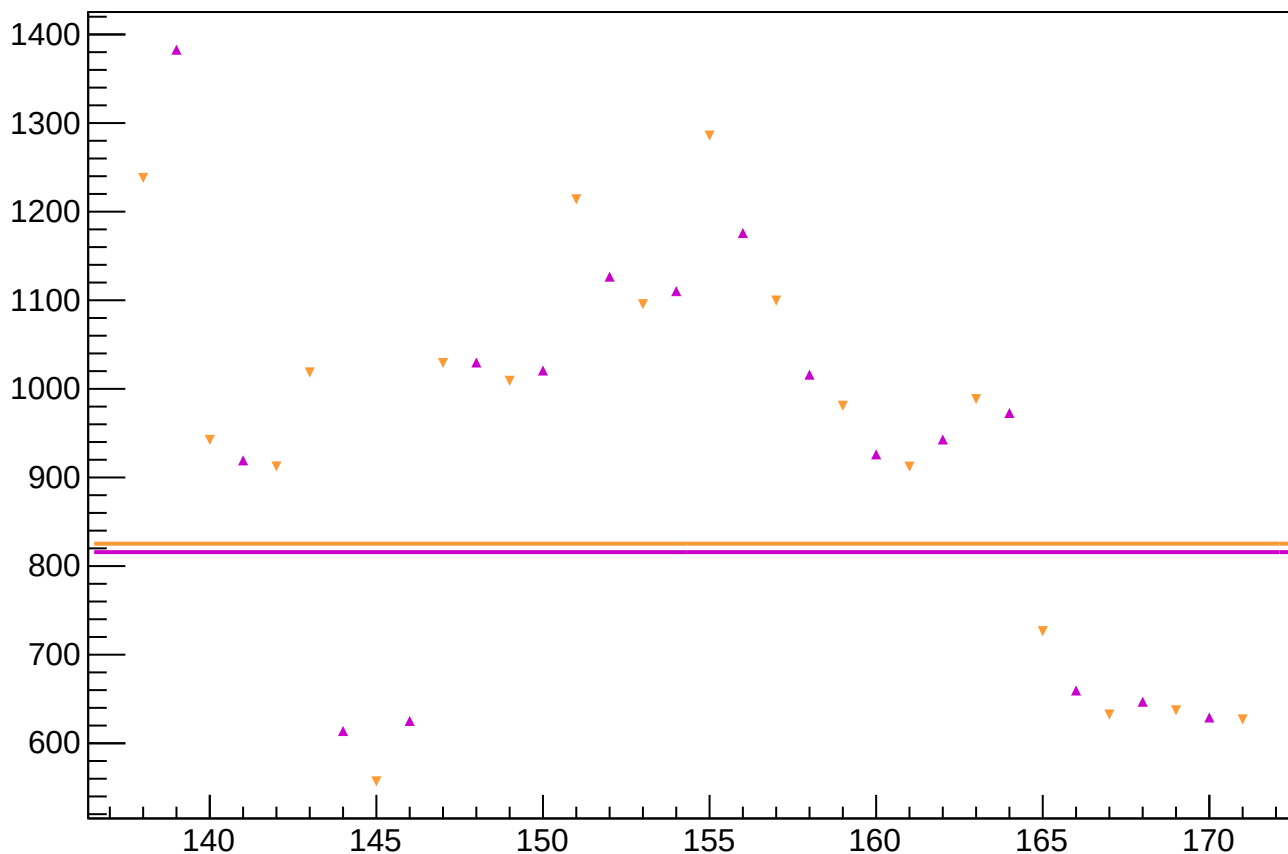
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -227.259+/-239.409 χ^2/NDF : 13.1/15

Out: -1088.291+/-233.451 χ^2/NDF : 61.9/17

All: -668.623+/-167.142 χ^2/NDF : 81.7/33

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 825.320+/-0.165 χ^2/NDF :1817499.5/17

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

Left In: 815.738+/-0.169 χ^2/NDF :1571127.5/15

Left: 820.650+/-0.118 χ^2/NDF : 3390269.1/33

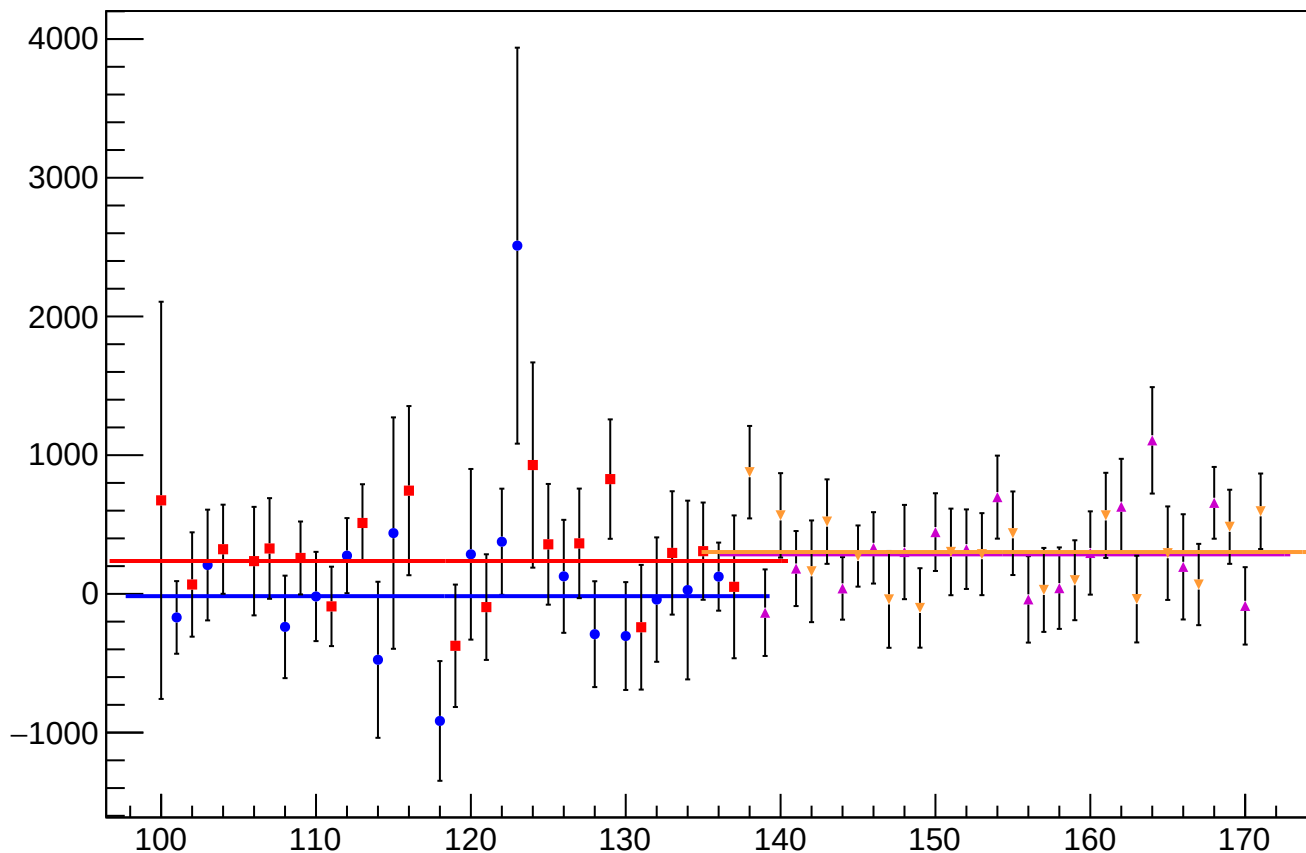
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 815.738+/-0.169 χ^2/NDF :1571127.5/15

Out: 825.320+/-0.165 χ^2/NDF :1817499.5/17

All: 820.650+/-0.118 χ^2/NDF : 3390269.1/33

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 301.741 ± 70.104 χ^2/NDF : 13.1/17

Right Out: 236.984 ± 88.937 χ^2/NDF : 10.3/18

Left In: 284.773 ± 73.260 χ^2/NDF : 16.7/15

Left: 293.631 ± 50.650 χ^2/NDF : 29.8/33

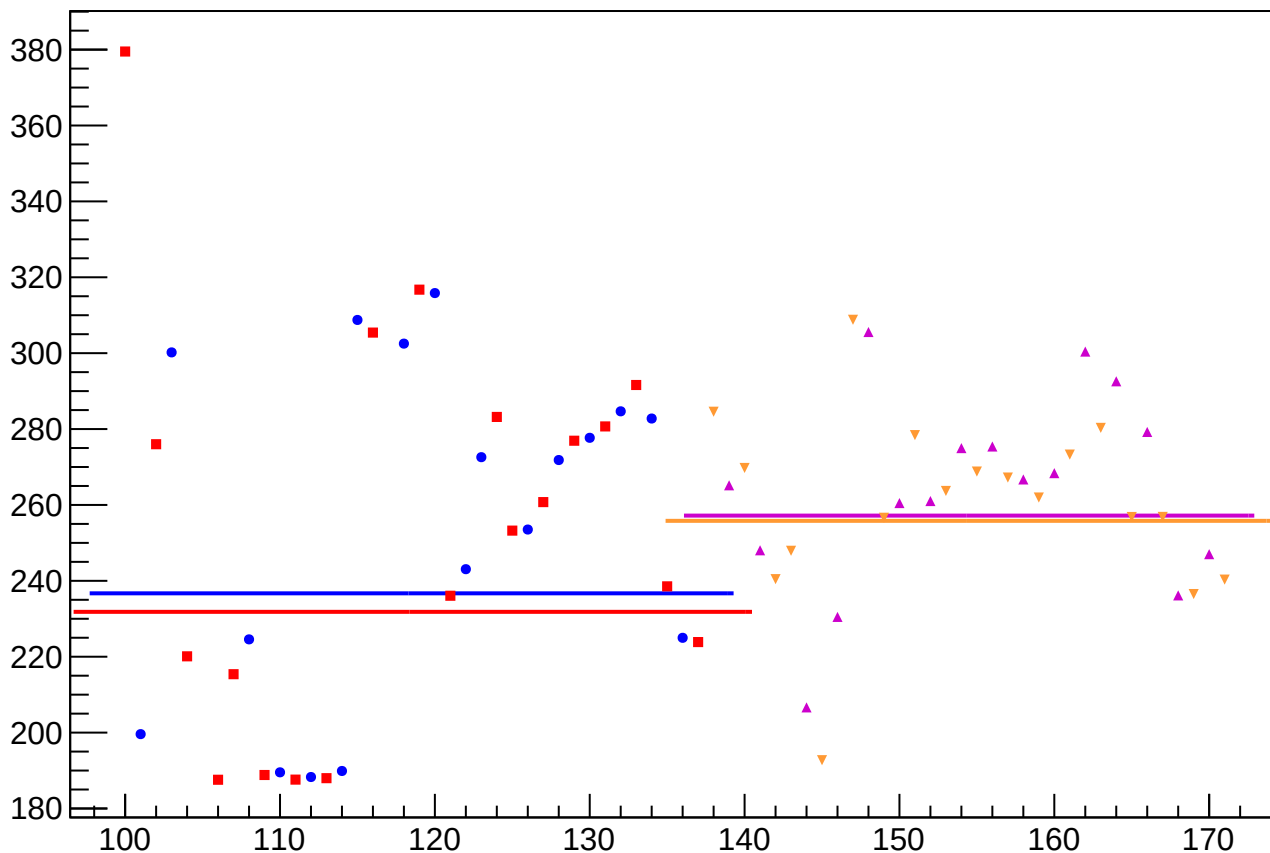
Right: 116.305 ± 64.370 χ^2/NDF : 27.6/35

In: 169.859 ± 57.616 χ^2/NDF : 36.6/32

Out: 276.925 ± 55.056 χ^2/NDF : 23.7/36

All: 225.823 ± 39.805 χ^2/NDF : 62.1/69

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 255.811+/-0.050 χ^2/NDF :288672.7/17

Right Out: 231.828+/-0.063 χ^2/NDF : 443276.3/18

Left In: 257.191+/-0.052 χ^2/NDF :256603.9/15

Left: 256.470+/-0.036 χ^2/NDF : 545647.0/33

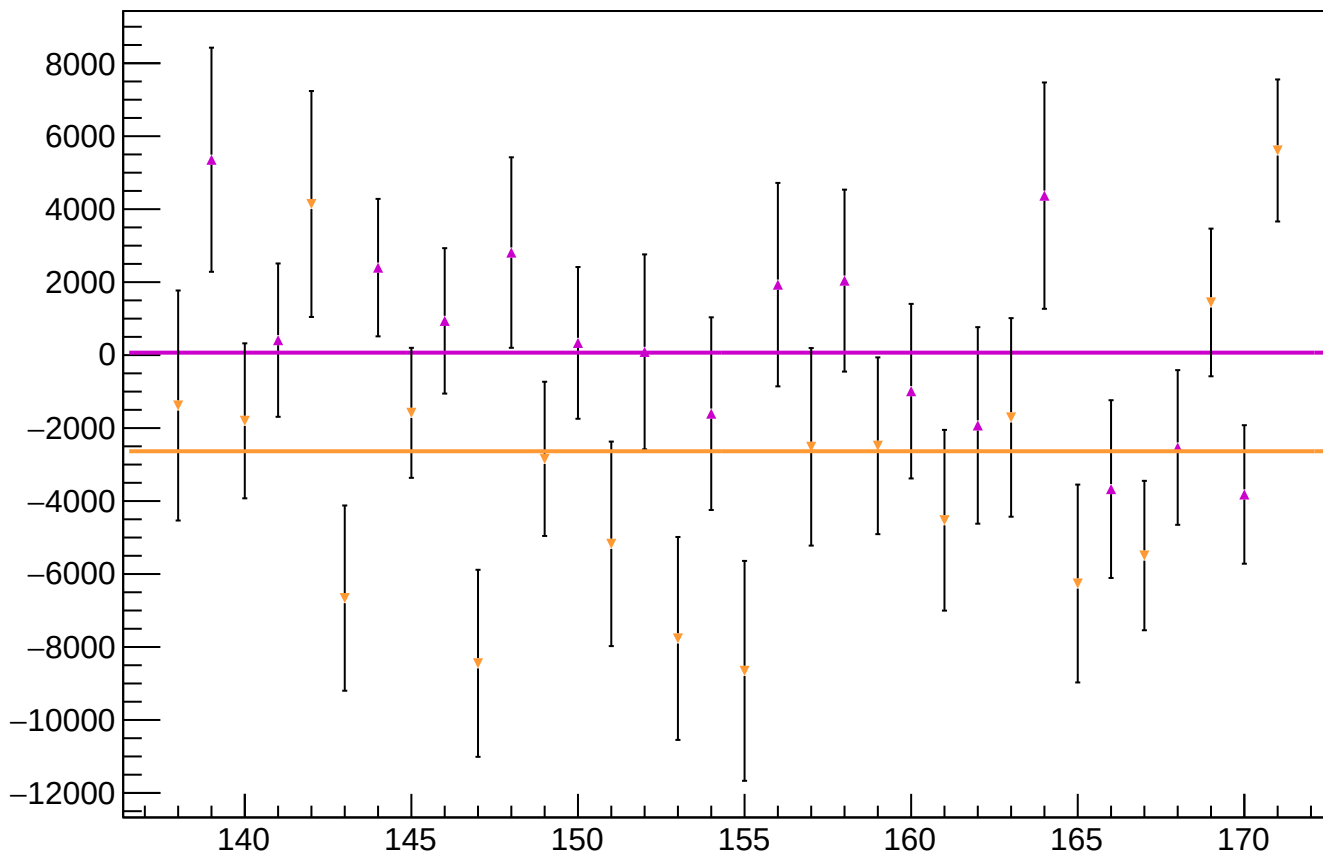
Right: 234.151+/-0.046 χ^2/NDF : 836486.0/35

In: 249.376+/-0.041 χ^2/NDF :706599.3/32

Out: 246.620+/-0.039 χ^2/NDF :821646.5/36

All: 247.936+/-0.028 χ^2/NDF : 1530638.0/69

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2634.900+/-565.485 χ^2/NDF :47.8/17

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

Left In: 67.404+/-587.003 χ^2/NDF :18.0/15

Left: -1334.184+/-407.253 χ^2/NDF : 76.8/33

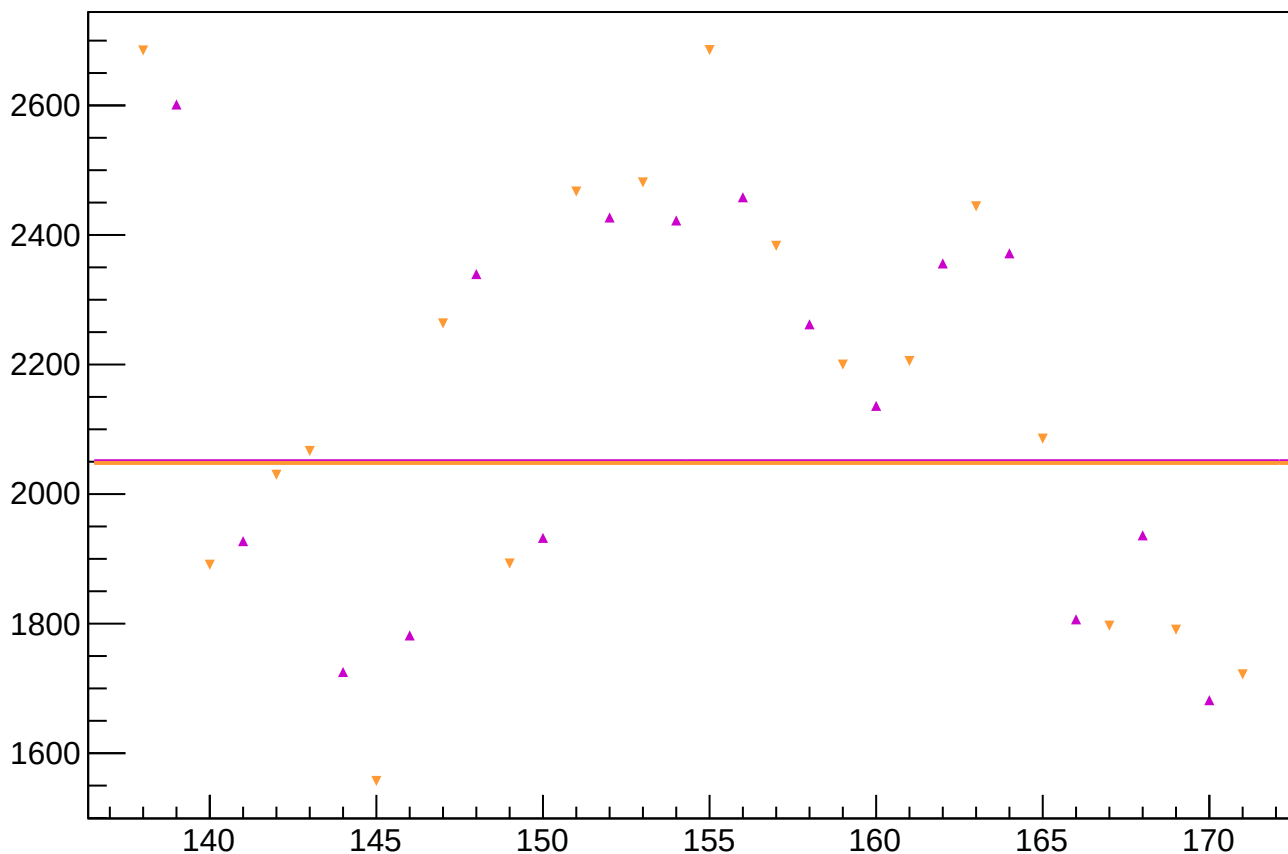
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 67.404+/-587.003 χ^2/NDF :18.0/15

Out: -2634.900+/-565.485 χ^2/NDF :47.8/17

All: -1334.184+/-407.253 χ^2/NDF : 76.8/33

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2048.079+/-0.400 χ^2/NDF : 660242.8/17

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

Left In: 2050.707+/-0.415 χ^2/NDF : 485755.1/15

Left: 2049.344+/-0.288 χ^2/NDF : 1146018.7/33

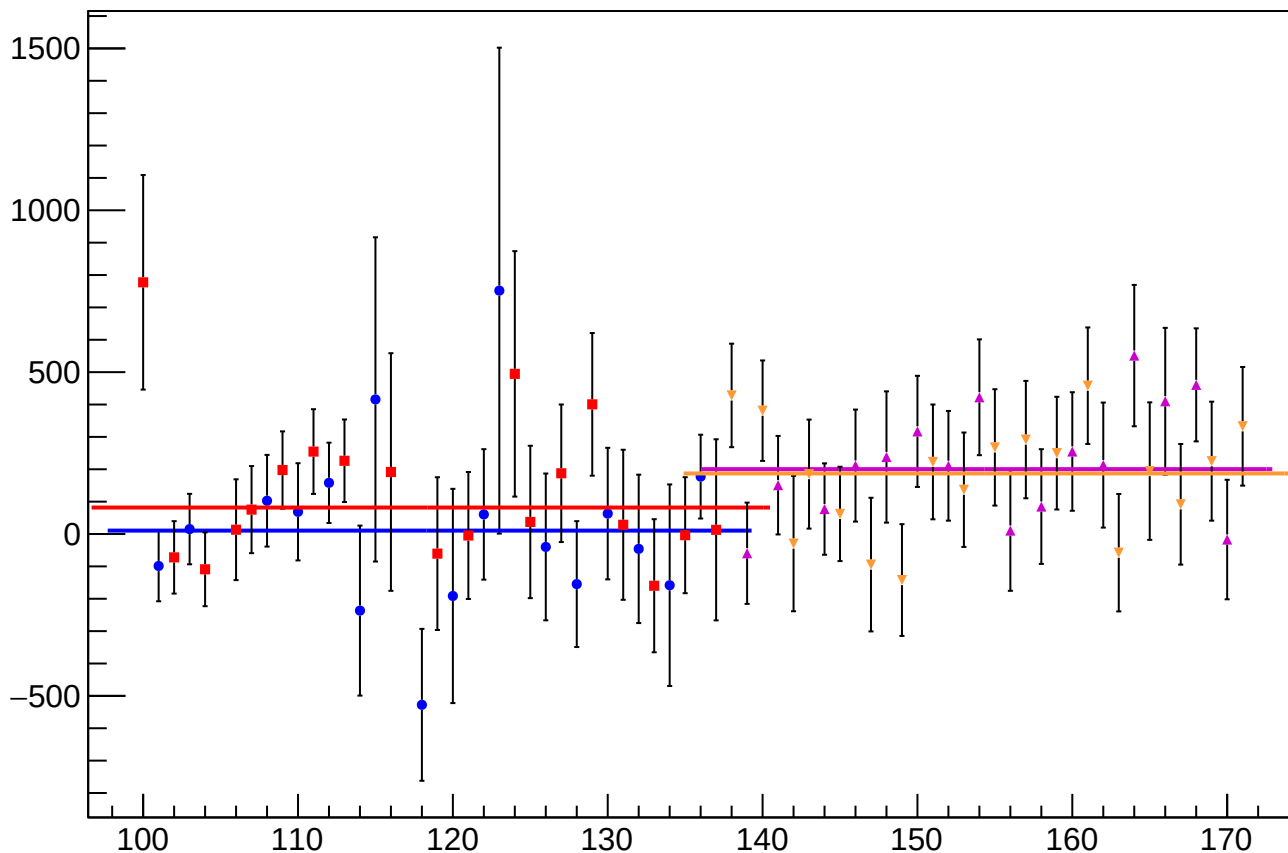
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2050.707+/-0.415 χ^2/NDF : 485755.1/15

Out: 2048.079+/-0.400 χ^2/NDF : 660242.8/17

All: 2049.344+/-0.288 χ^2/NDF : 1146018.7/33

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2/NDF : 14.1/16

Left Out: 187.056 $\pm$ 41.783 χ^2/NDF :17.0/17

Right Out: 81.802 $\pm$ 38.985 χ^2/NDF : 19.2/18

Left In: 200.369 $\pm$ 44.197 χ^2/NDF :14.3/15

Left: 193.339 $\pm$ 30.363 χ^2/NDF : 31.3/33

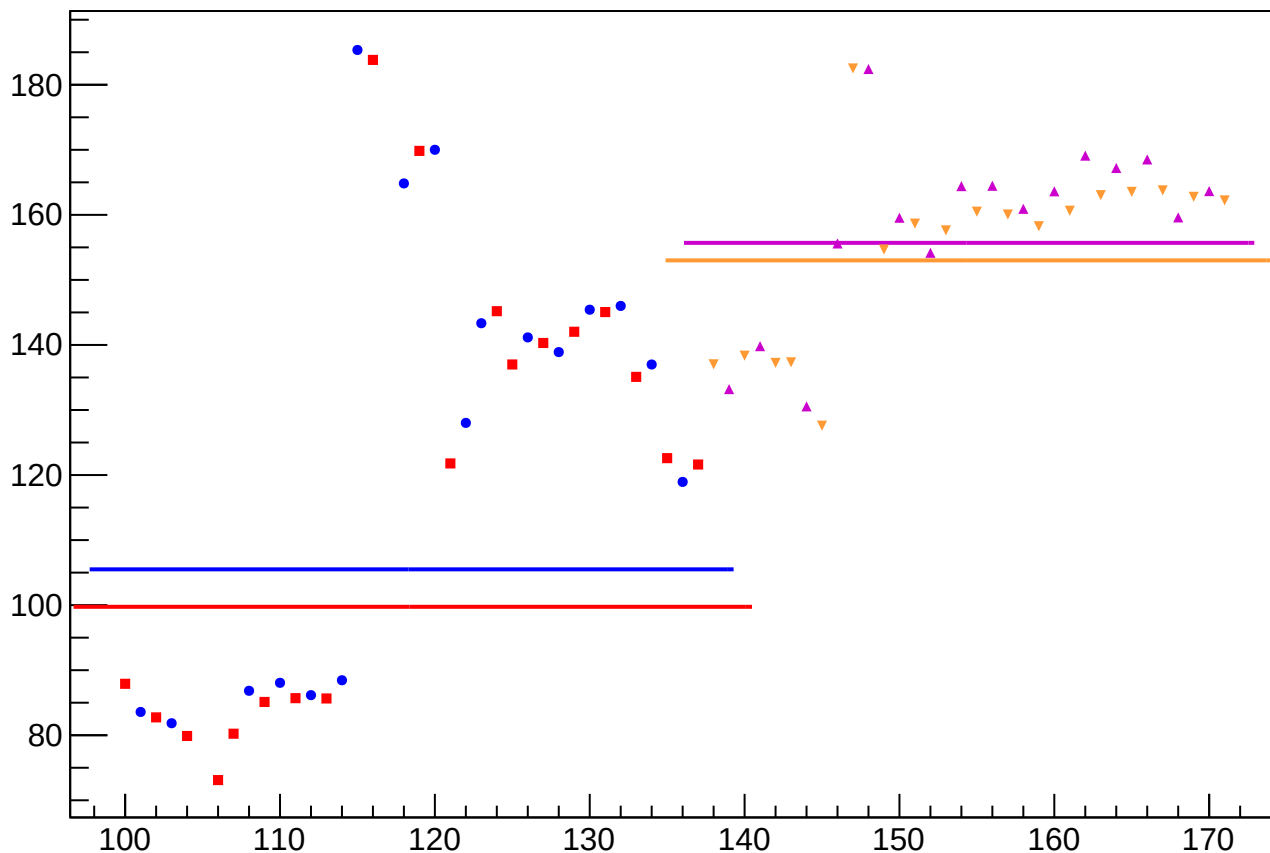
Right: 49.063 $\pm$ 28.665 χ^2/NDF : 34.8/35

In: 101.275 $\pm$ 30.557 χ^2/NDF :38.0/32

Out: 130.787 $\pm$ 28.504 χ^2/NDF :39.5/36

All: 117.055 $\pm$ 20.844 χ^2/NDF : 78.0/69

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 153.001 $\pm$ 0.030 χ^2 /NDF: 212136.1/17

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

Left In: 155.697 $\pm$ 0.031 χ^2 /NDF: 203482.2/15

Left: 154.273 $\pm$ 0.021 χ^2 /NDF: 419547.9/33

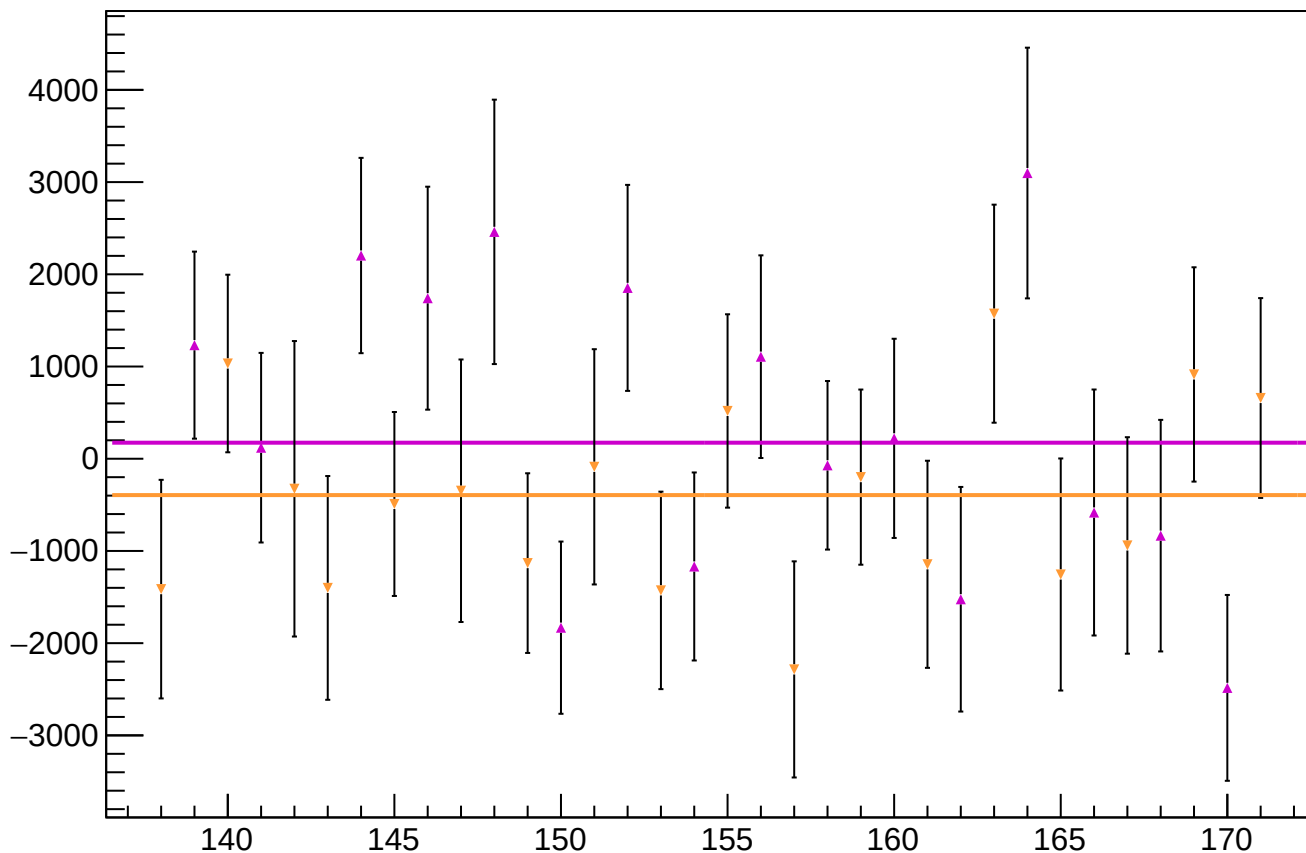
Right: 102.389 $\pm$ 0.020 χ^2 /NDF: 1889165.6/35

In: 129.496 $\pm$ 0.022 χ^2 /NDF: 2419016.0/32

Out: 124.529 $\pm$ 0.020 χ^2 /NDF: 2949272.1/36

All: 126.840 $\pm$ 0.015 χ^2 /NDF: 5396539.5/69

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -394.272+/-266.289 χ^2/NDF :14.7/17

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

Left In: 173.906+/-275.555 χ^2/NDF :32.9/15

Left: -119.897+/-191.487 χ^2/NDF : 49.8/33

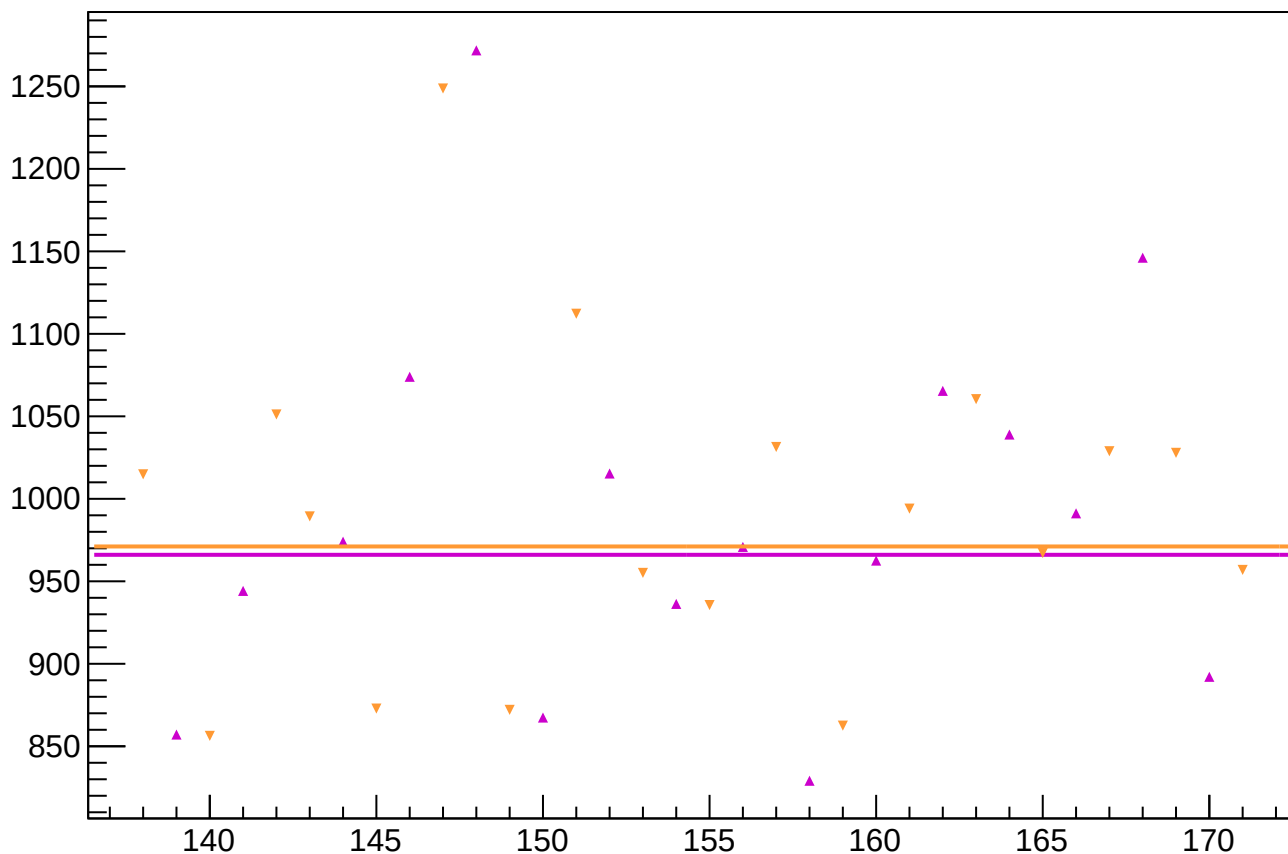
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 173.906+/-275.555 χ^2/NDF :32.9/15

Out: -394.272+/-266.289 χ^2/NDF :14.7/17

All: -119.897+/-191.487 χ^2/NDF : 49.8/33

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 971.119+/-0.188 χ^2/NDF : 233594.5/17

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

Left In: 966.057+/-0.195 χ^2/NDF : 275576.6/15

Left: 968.675+/-0.135 χ^2/NDF : 509520.0/33

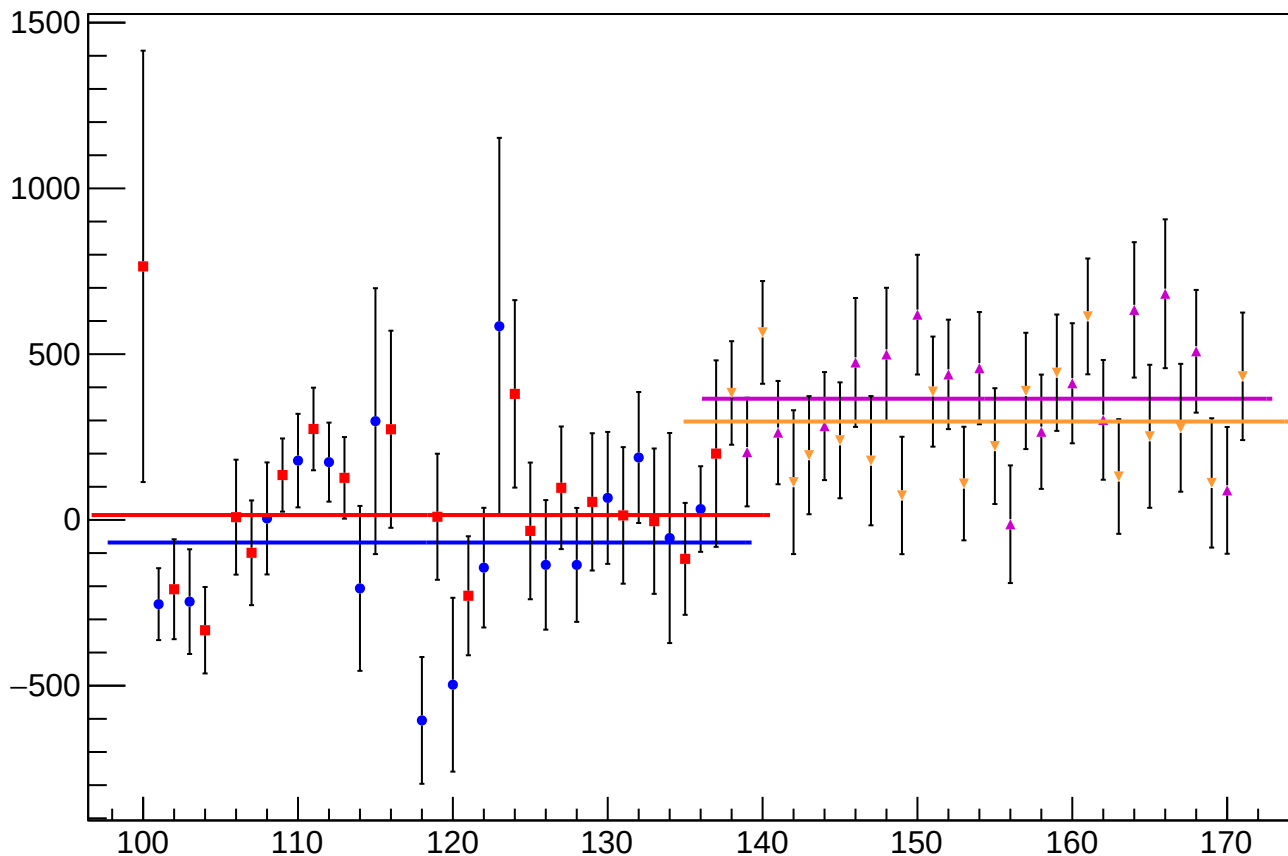
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 966.057+/-0.195 χ^2/NDF : 275576.6/15

Out: 971.119+/-0.188 χ^2/NDF : 233594.5/17

All: 968.675+/-0.135 χ^2/NDF : 509520.0/33

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 296.849 ± 42.169 $\chi^2/\text{NDF}: 14.7/17$

Right Out: 14.800 ± 39.467 $\chi^2/\text{NDF}: 23.1/18$

Left In: 365.578 ± 44.879 $\chi^2/\text{NDF}: 16.4/15$

Left: 329.076 ± 30.731 $\chi^2/\text{NDF}: 32.3/33$

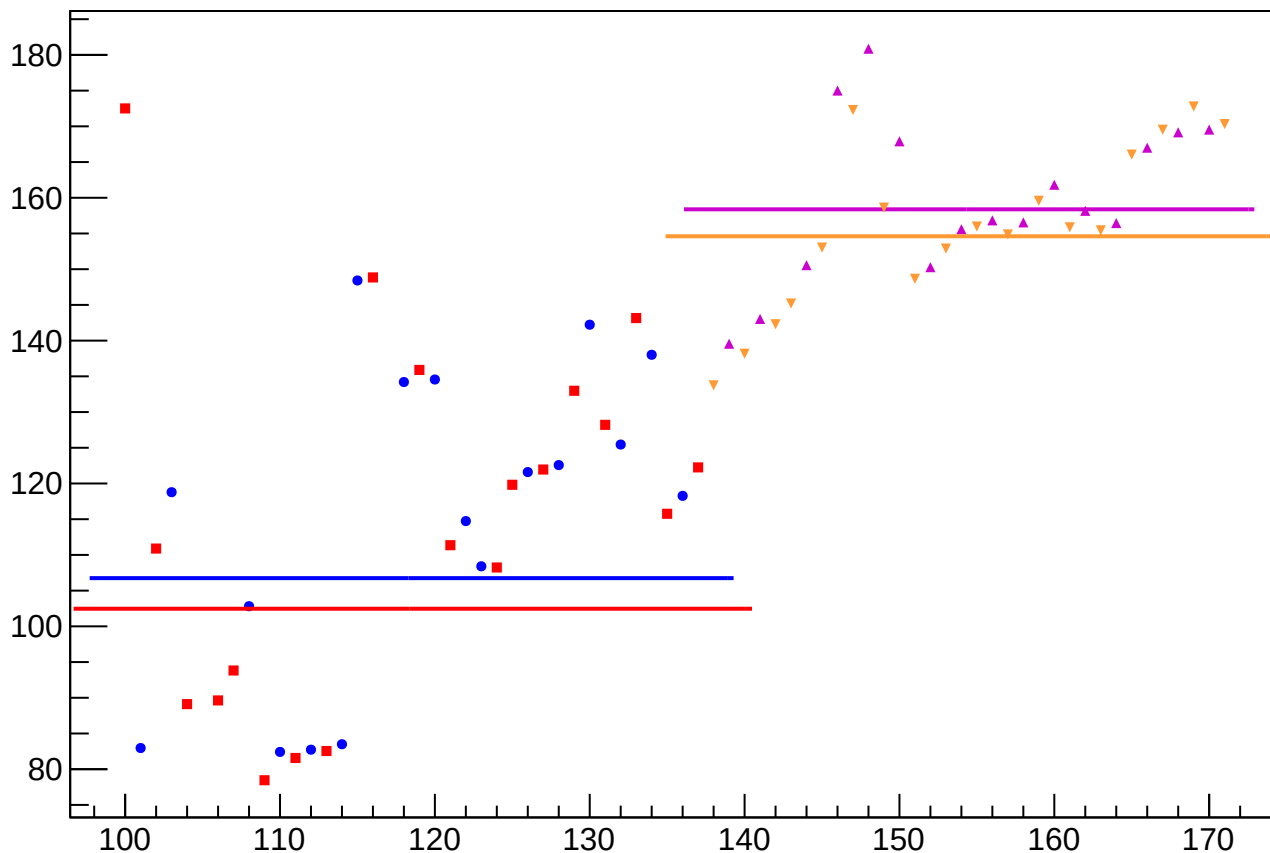
Right: -23.820 ± 28.846 $\chi^2/\text{NDF}: 53.0/35$

In: 135.740 ± 30.768 $\chi^2/\text{NDF}: 93.7/32$

Out: 146.499 ± 28.815 $\chi^2/\text{NDF}: 61.7/36$

All: 141.471 ± 21.032 $\chi^2/\text{NDF}: 155.4/69$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 154.609 $\pm$ 0.030 χ^2 /NDF:140836.7/17

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

Left In: 158.382 $\pm$ 0.032 χ^2 /NDF:118782.6/15

Left: 156.379 $\pm$ 0.022 χ^2 /NDF: 267126.5/33

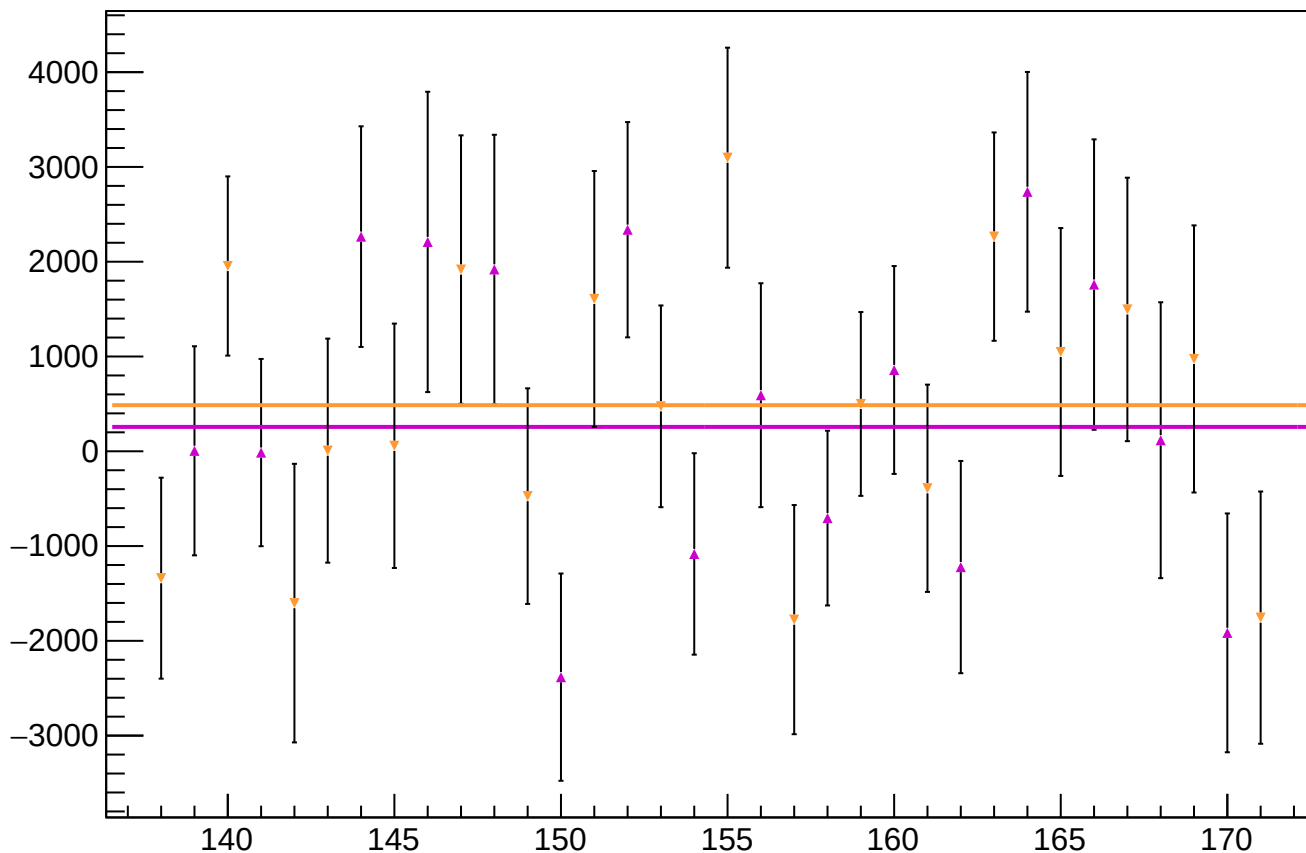
Right: 104.462 $\pm$ 0.020 χ^2 /NDF: 1102055.3/35

In: 131.019 $\pm$ 0.022 χ^2 /NDF:2023494.3/32

Out: 126.814 $\pm$ 0.020 χ^2 /NDF:2360264.3/36

All: 128.779 $\pm$ 0.015 χ^2 /NDF: 4403657.3/69

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 486.403 $\pm$ 279.322 χ^2 /NDF:25.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 257.110 $\pm$ 292.957 χ^2 /NDF:27.8/15

Left: 377.216 $\pm$ 202.159 χ^2 /NDF: 53.7/33

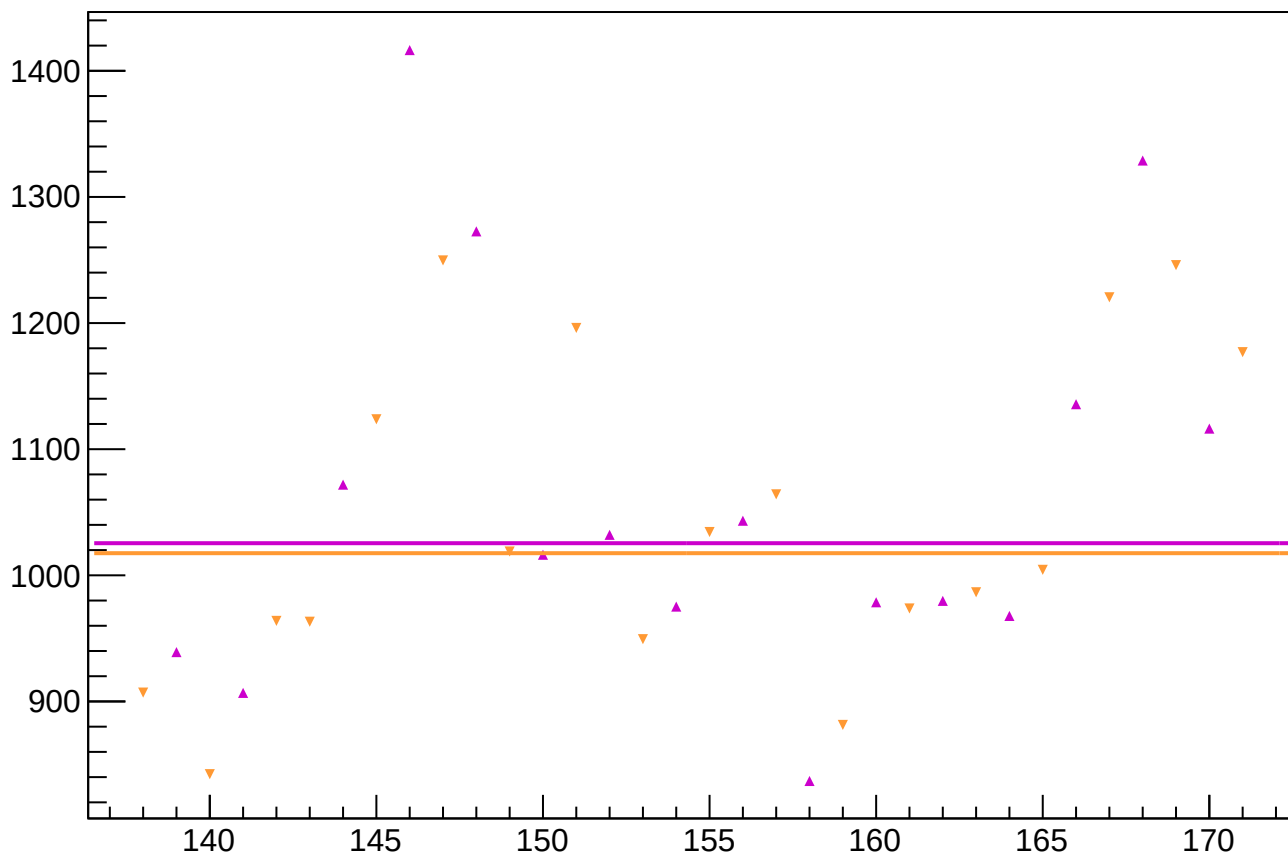
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 257.110 $\pm$ 292.957 χ^2 /NDF:27.8/15

Out: 486.403 $\pm$ 279.322 χ^2 /NDF:25.6/17

All: 377.216 $\pm$ 202.159 χ^2 /NDF: 53.7/33

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1017.551+/-0.198 χ^2/NDF : 379538.7/17

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

Left In: 1025.469+/-0.207 χ^2/NDF : 434264.8/15

Left: 1021.321+/-0.143 χ^2/NDF : 814568.9/33

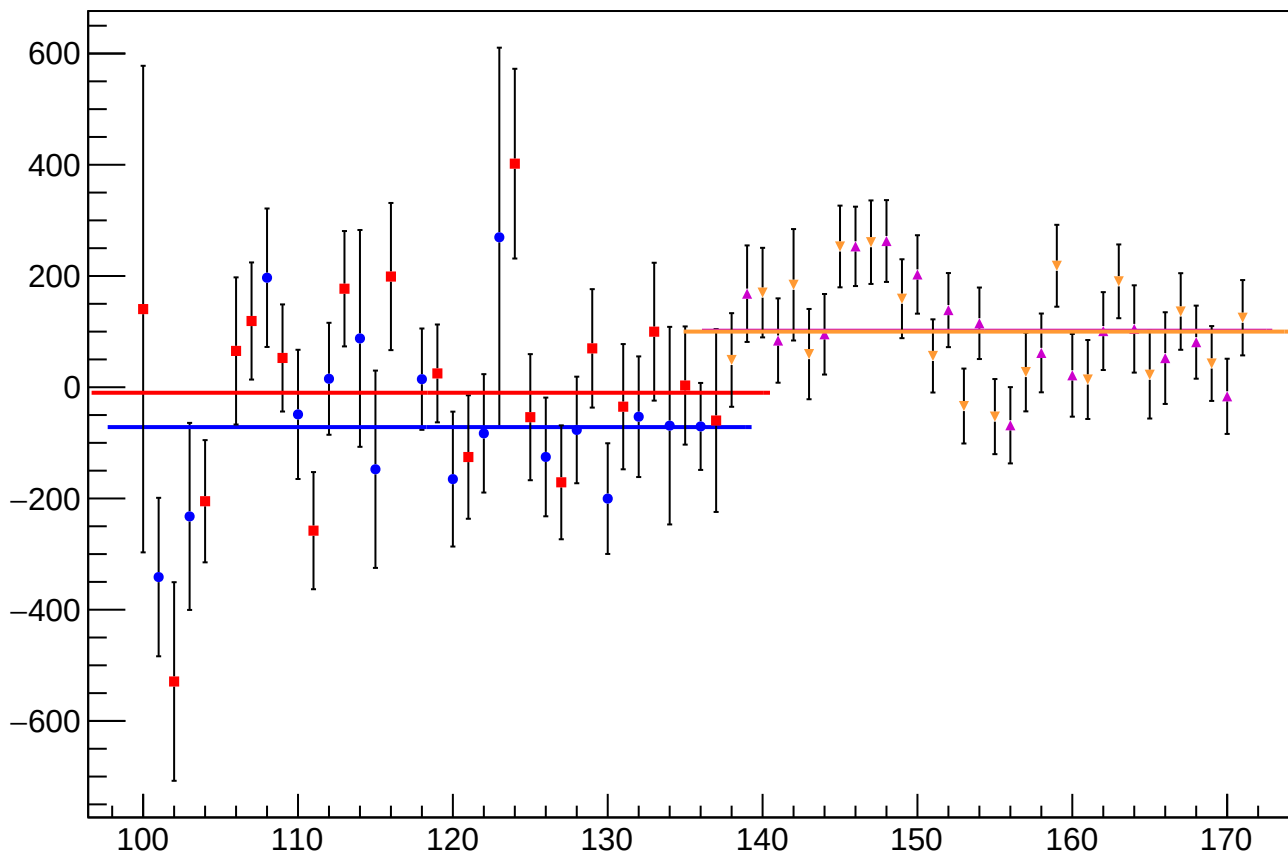
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1025.469+/-0.207 χ^2/NDF : 434264.8/15

Out: 1017.551+/-0.198 χ^2/NDF : 379538.7/17

All: 1021.321+/-0.143 χ^2/NDF : 814568.9/33

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 100.041 ± 17.149 $\chi^2/\text{NDF}: 30.3/17$

Right Out: -9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

Left In: 101.636 ± 17.950 $\chi^2/\text{NDF}: 23.5/15$

Left: 100.802 ± 12.400 $\chi^2/\text{NDF}: 53.8/33$

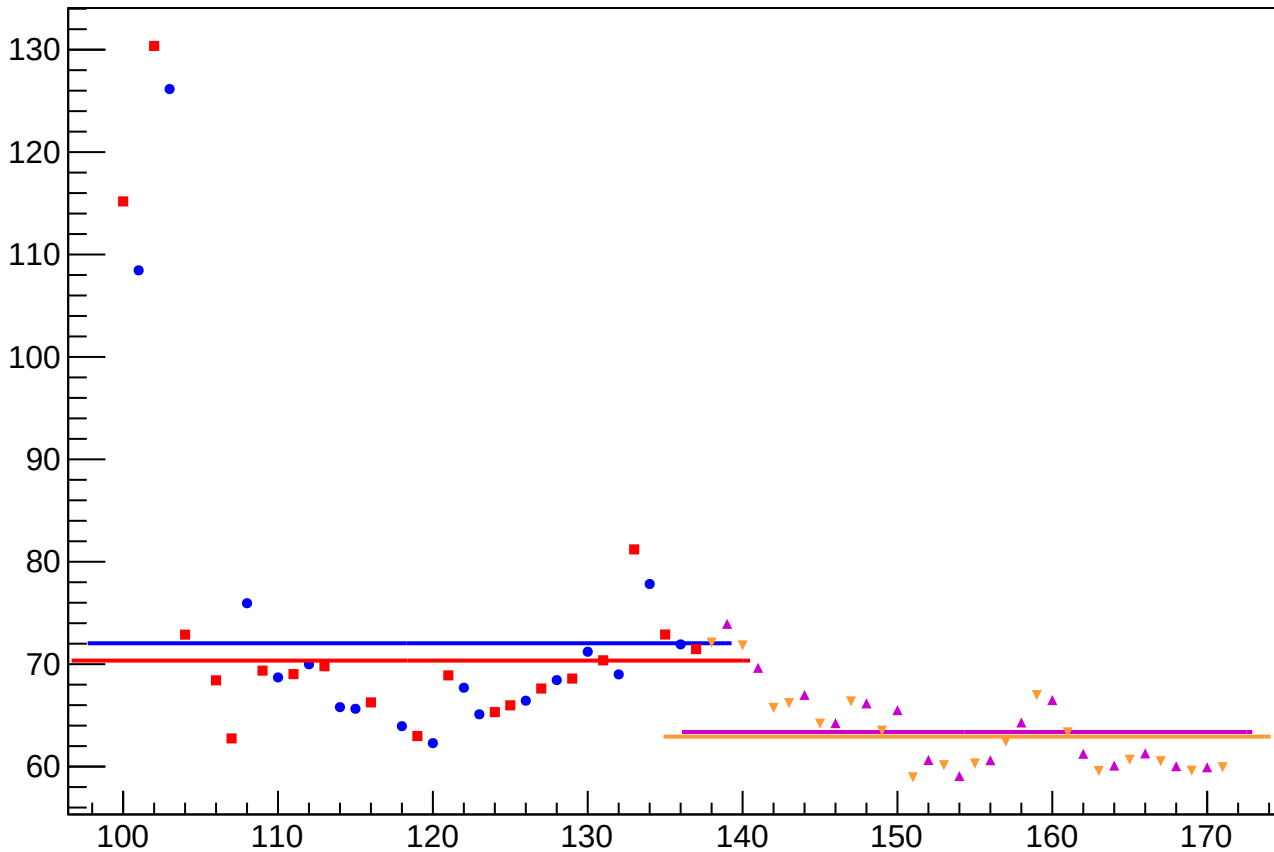
Right: -39.068 ± 19.484 $\chi^2/\text{NDF}: 54.2/35$

In: 52.064 ± 15.167 $\chi^2/\text{NDF}: 65.4/32$

Out: 68.124 ± 14.447 $\chi^2/\text{NDF}: 78.7/36$

All: 60.484 ± 10.461 $\chi^2/\text{NDF}: 144.7/69$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 62.928 $\pm$ 0.012 χ^2 /NDF: 95935.2/17

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

Left In: 63.380 $\pm$ 0.013 χ^2 /NDF: 89672.1/15

Left: 63.144 $\pm$ 0.009 χ^2 /NDF: 186268.8/33

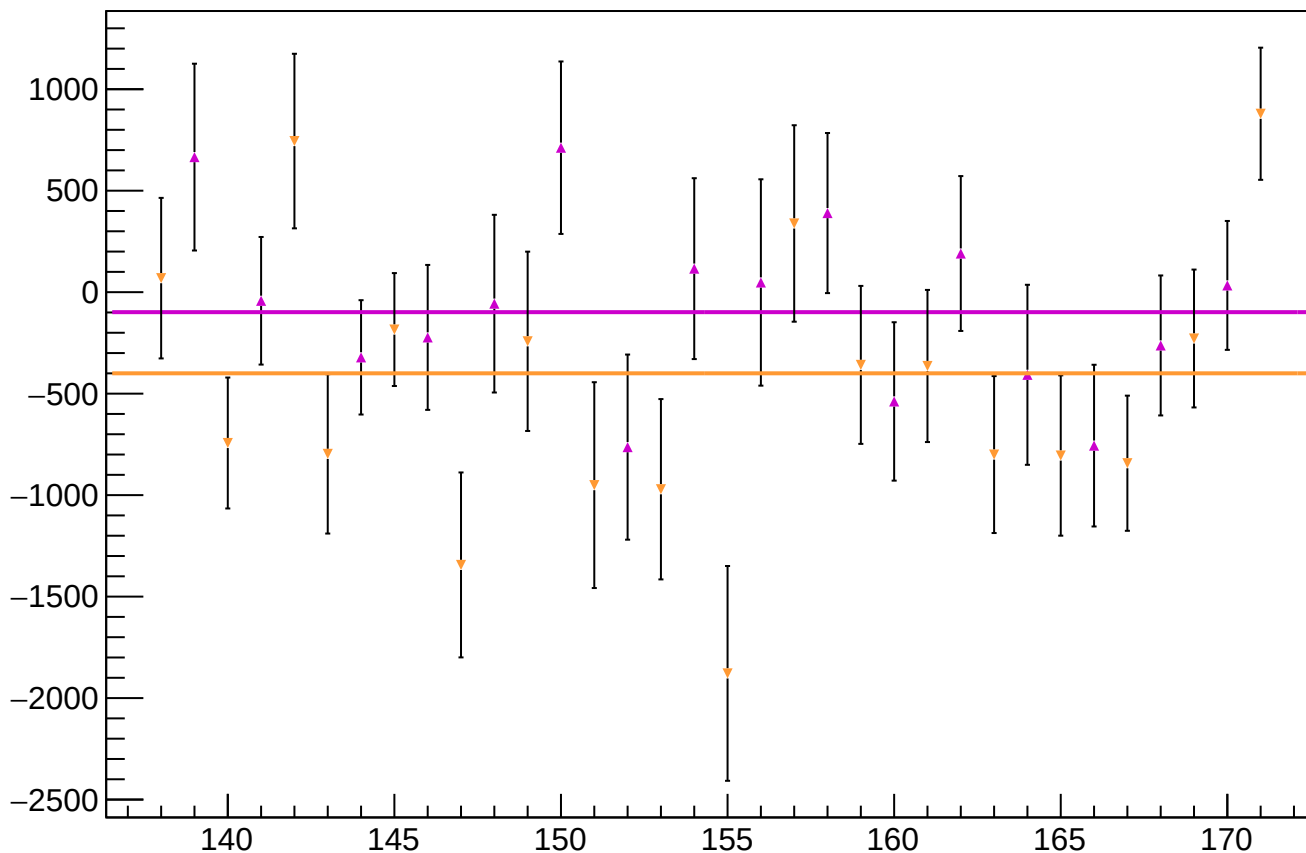
Right: 71.149 $\pm$ 0.014 χ^2 /NDF: 694733.5/35

In: 65.858 $\pm$ 0.011 χ^2 /NDF: 614884.3/32

Out: 65.083 $\pm$ 0.010 χ^2 /NDF: 503694.2/36

All: 65.451 $\pm$ 0.007 χ^2 /NDF: 1121314.9/69

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -399.812+/-90.719 χ^2/NDF :48.2/17

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

Left In: -98.496+/-95.637 χ^2/NDF :16.6/15

Left: -257.101+/-65.818 χ^2/NDF : 70.1/33

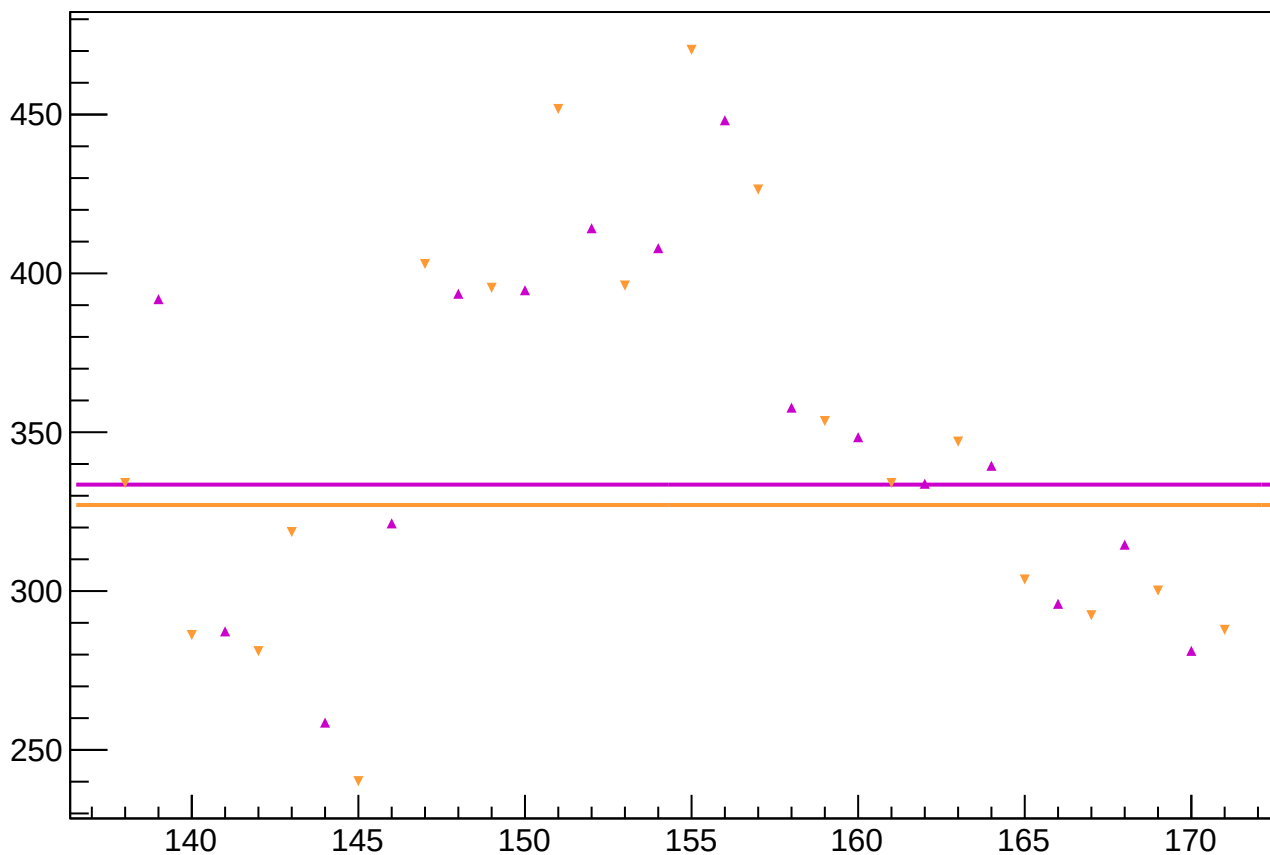
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -98.496+/-95.637 χ^2/NDF :16.6/15

Out: -399.812+/-90.719 χ^2/NDF :48.2/17

All: -257.101+/-65.818 χ^2/NDF : 70.1/33

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 327.086+/-0.064 χ^2/NDF : 841106.9/17

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

Left In: 333.508+/-0.068 χ^2/NDF : 607396.2/15

Left: 330.128+/-0.047 χ^2/NDF : 1453250.7/33

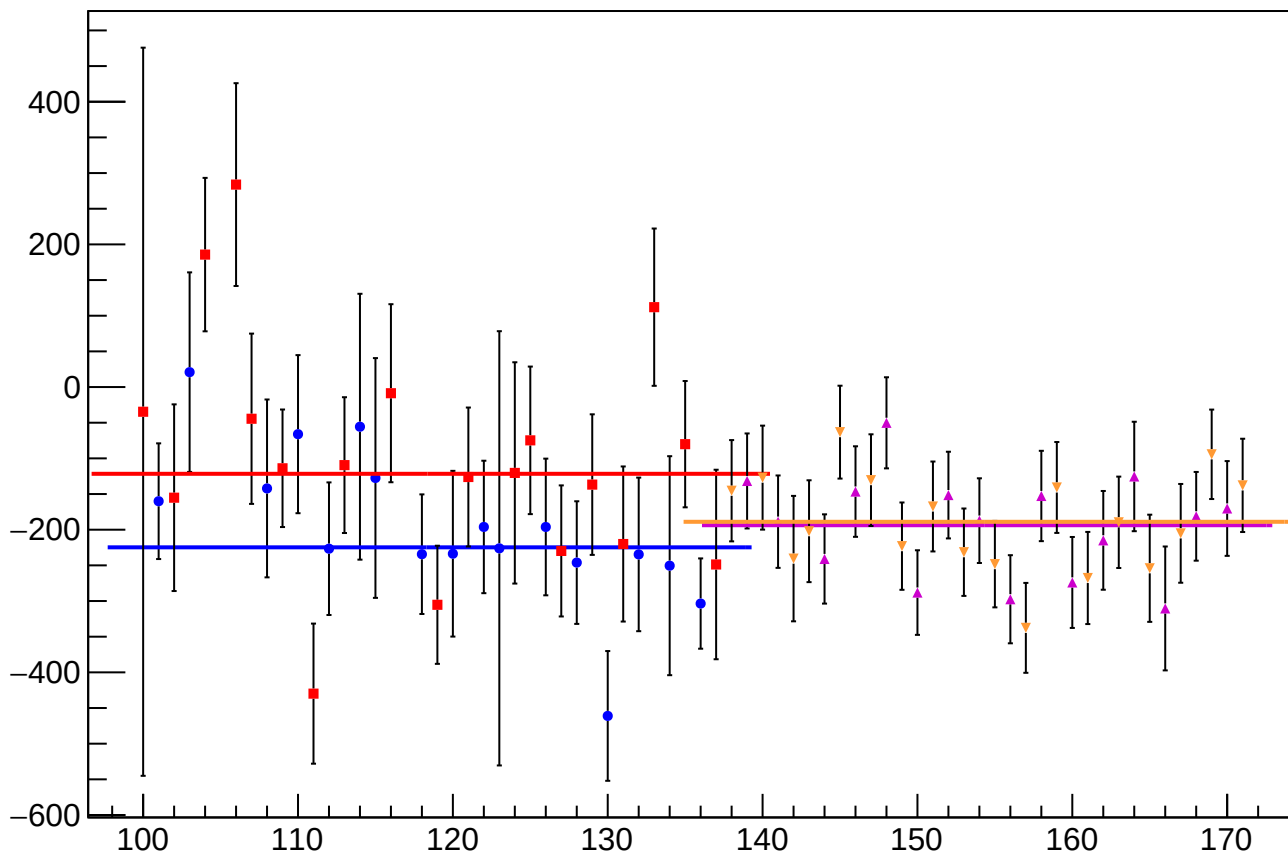
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 333.508+/-0.068 χ^2/NDF : 607396.2/15

Out: 327.086+/-0.064 χ^2/NDF : 841106.9/17

All: 330.128+/-0.047 χ^2/NDF : 1453250.7/33

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 $\pm$ 24.880 χ^2 /NDF: 16.0/16

Left Out: -188.915 $\pm$ 15.612 χ^2 /NDF:19.2/17

Right Out: -121.633 $\pm$ 24.599 χ^2 /NDF: 40.5/18

Left In: -193.729 $\pm$ 16.212 χ^2 /NDF:17.8/15

Left: -191.231 $\pm$ 11.246 χ^2 /NDF: 37.0/33

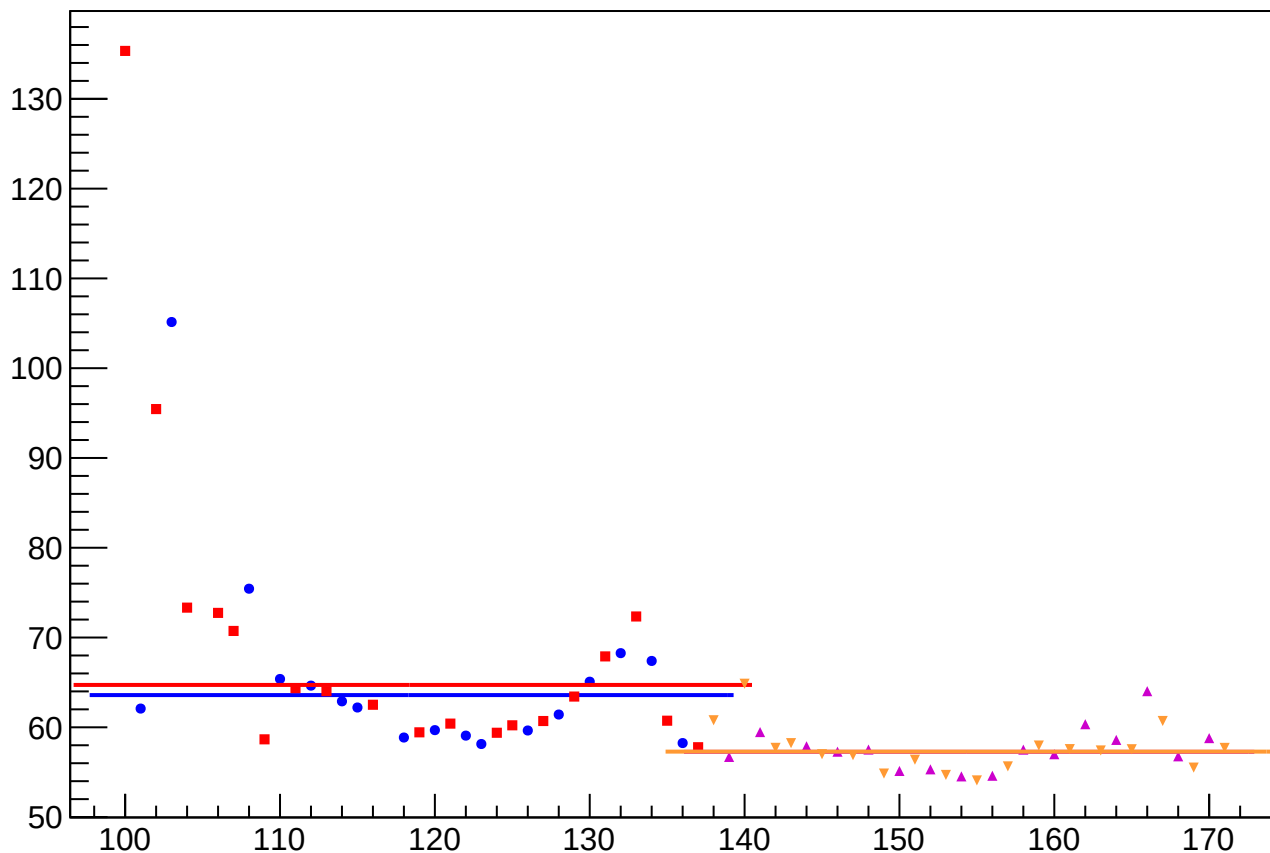
Right: -172.594 $\pm$ 17.493 χ^2 /NDF: 65.1/35

In: -202.968 $\pm$ 13.583 χ^2 /NDF:34.8/32

Out: -169.596 $\pm$ 13.182 χ^2 /NDF:65.0/36

All: -185.781 $\pm$ 9.459 χ^2 /NDF: 103.0/69

reg_asym_sam8_rms vs Slug, Sign Corrected



Left: 57.280 ± 0.008 $\chi^2/\text{NDF}: 81062.1/33$

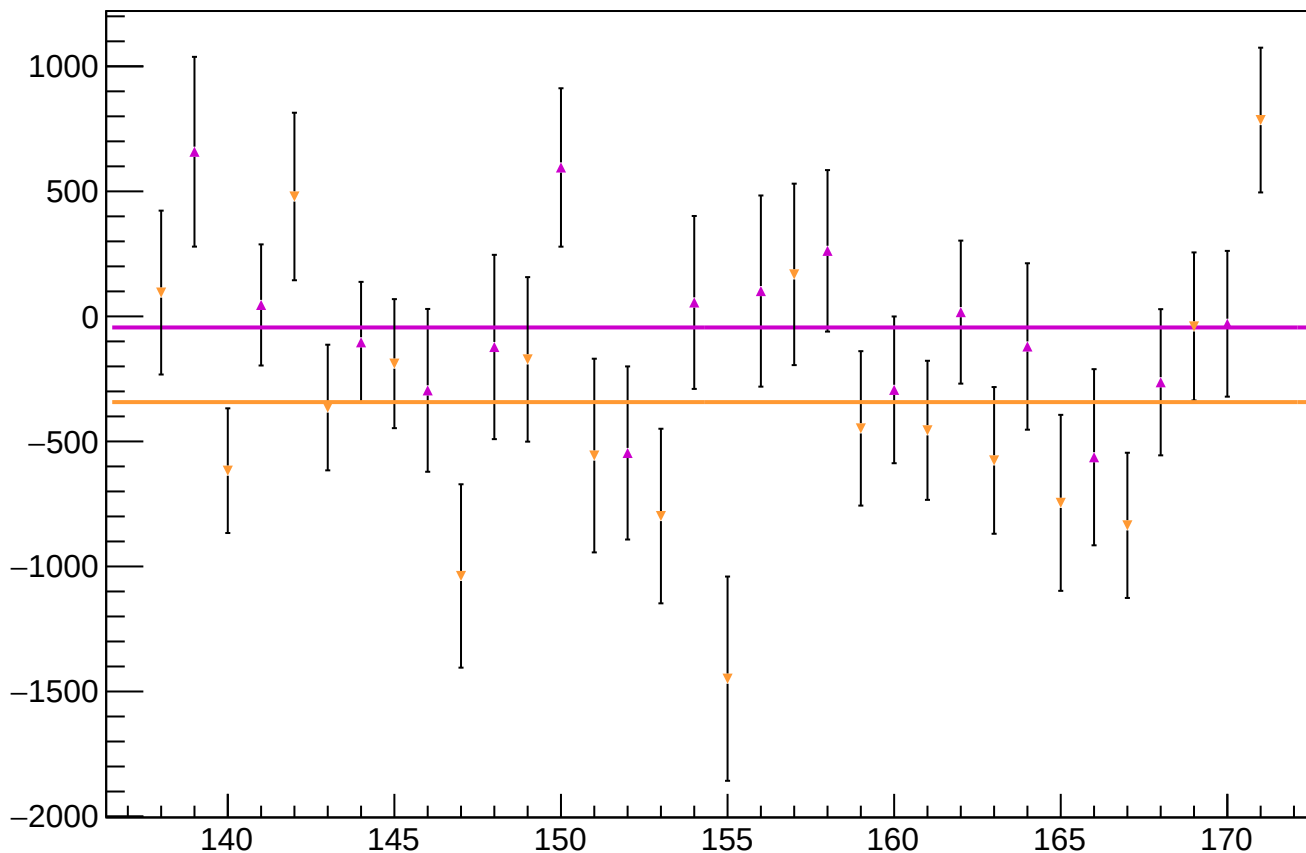
Right: 64.161 ± 0.012 $\chi^2/\text{NDF}: 464197.3/35$

In: 59.151 ± 0.010 $\chi^2/\text{NDF}: 358464.2/32$

Out: 59.425 ± 0.009 $\chi^2/\text{NDF}: 405359.6/36$

All: 59.292 ± 0.007 $\chi^2/\text{NDF}: 764244.9/69$

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -342.741+/-72.806 χ^2/NDF :45.9/17

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

Left In: -44.238+/-77.746 χ^2/NDF :15.1/15

Left: -203.272+/-53.142 χ^2/NDF : 68.9/33

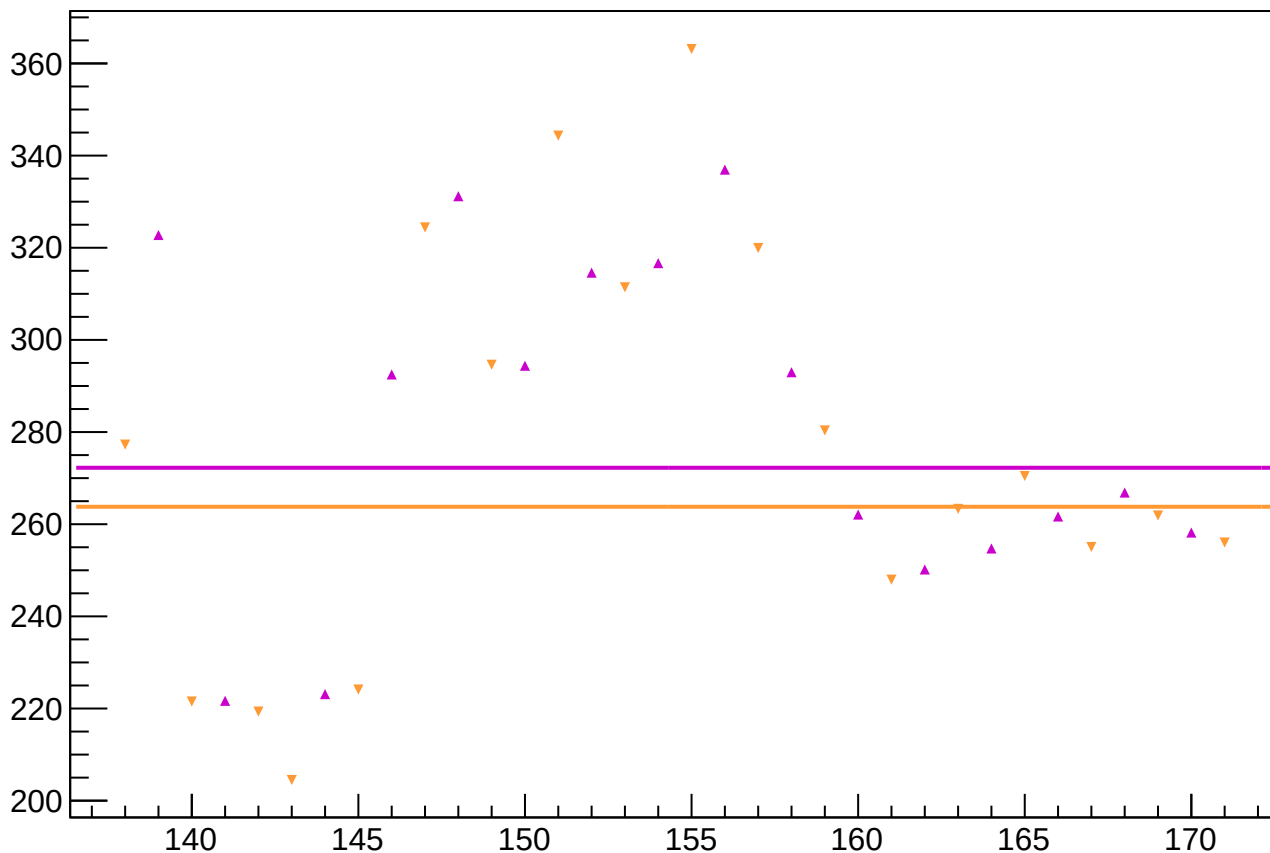
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -44.238+/-77.746 χ^2/NDF :15.1/15

Out: -342.741+/-72.806 χ^2/NDF :45.9/17

All: -203.272+/-53.142 χ^2/NDF : 68.9/33

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 263.787+/-0.051 χ^2/NDF :633313.6/17

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

Left In: 272.252+/-0.055 χ^2/NDF :429471.0/15

Left: 267.742+/-0.038 χ^2/NDF : 1075416.1/33

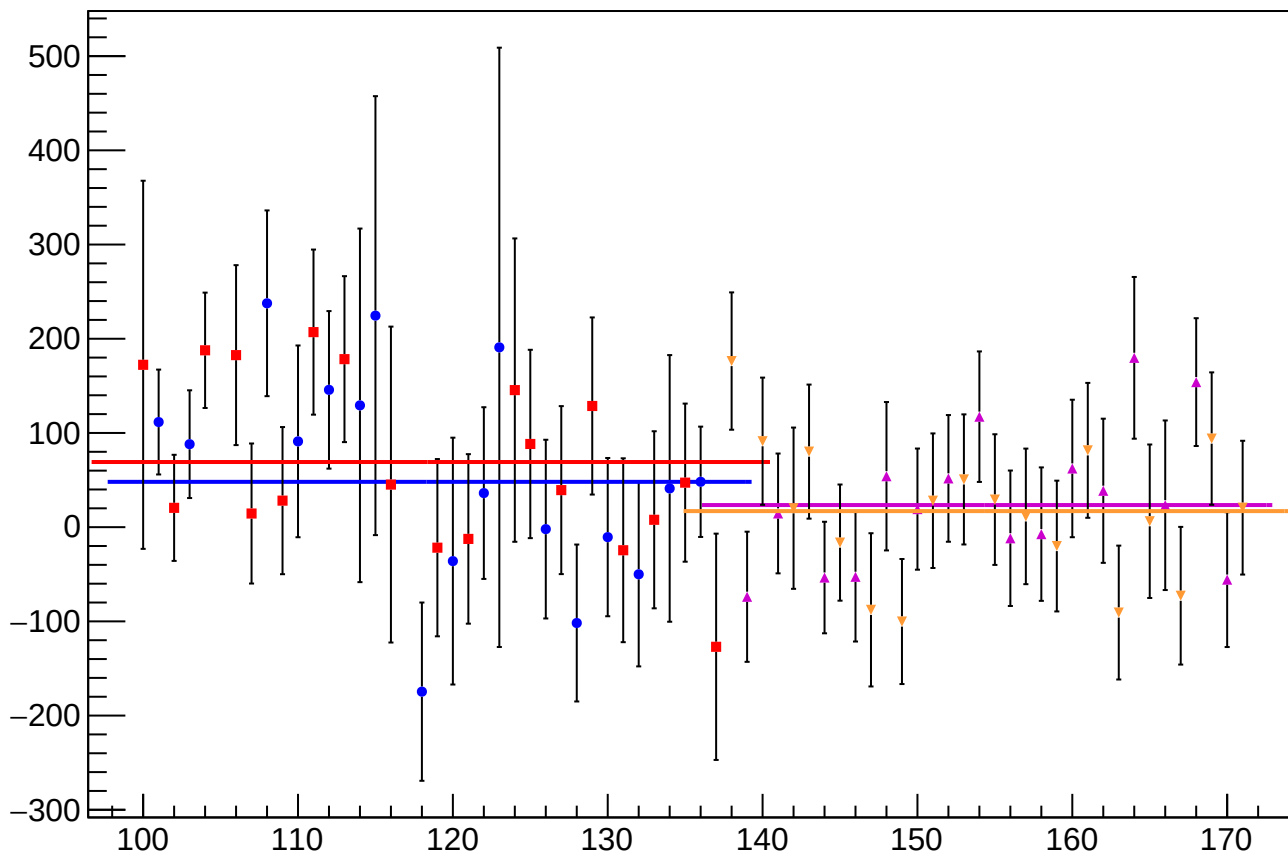
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 272.252+/-0.055 χ^2/NDF :429471.0/15

Out: 263.787+/-0.051 χ^2/NDF :633313.6/17

All: 267.742+/-0.038 χ^2/NDF : 1075416.1/33

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 17.042+/-16.833 χ^2/NDF : 18.3/17

Right Out: 69.156+/-20.407 χ^2/NDF : 17.7/18

Left In: 23.473+/-17.651 χ^2/NDF : 16.1/15

Left: 20.105+/-12.182 χ^2/NDF : 34.4/33

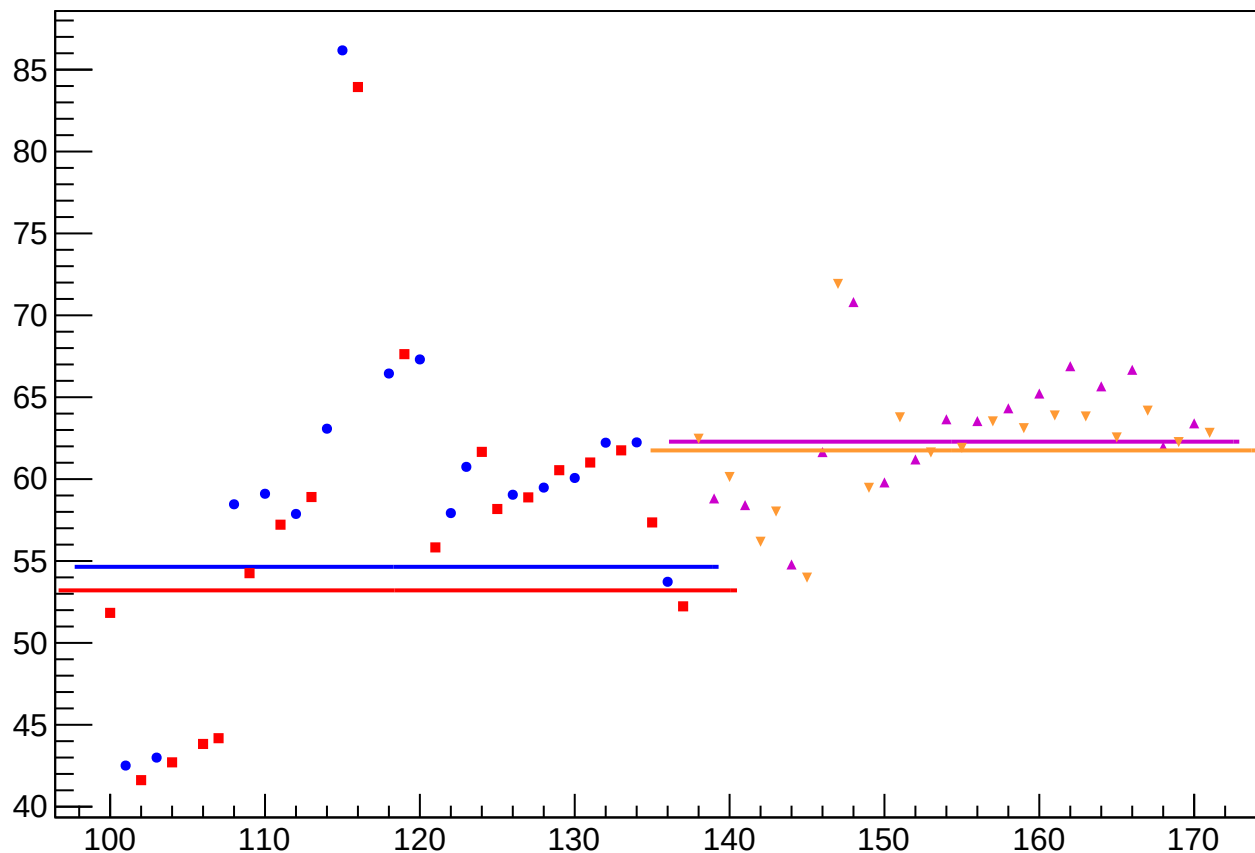
Right: 59.186+/-14.805 χ^2/NDF : 37.1/35

In: 33.386+/-13.645 χ^2/NDF : 35.8/32

Out: 38.144+/-12.986 χ^2/NDF : 39.8/36

All: 35.883+/-9.407 χ^2/NDF : 75.7/69

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: 61.751 $\pm$ 0.012 χ^2 /NDF: 90715.8/17

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

Left In: 62.286 $\pm$ 0.012 χ^2 /NDF: 93578.7/15

Left: 62.006 $\pm$ 0.009 χ^2 /NDF: 185256.2/33

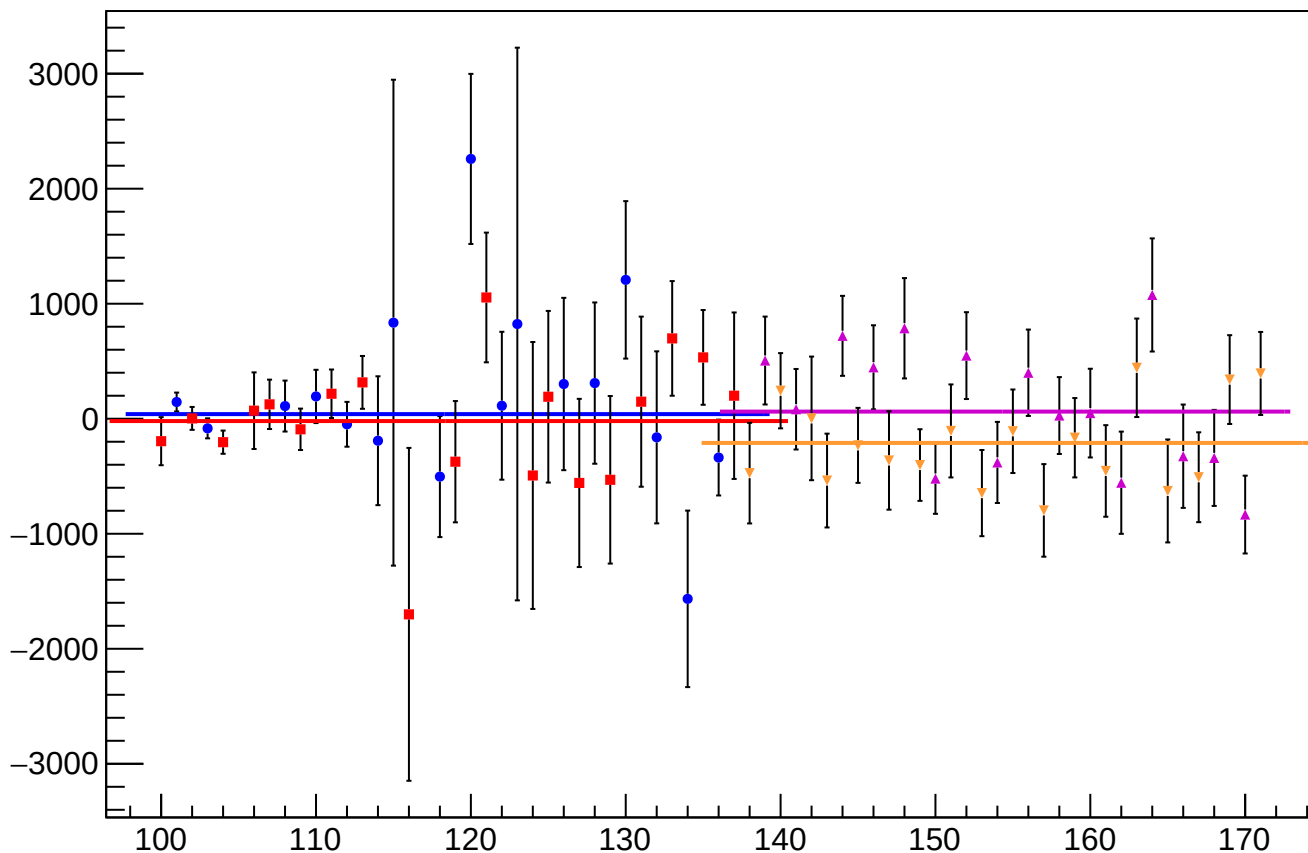
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 59.211 $\pm$ 0.010 χ^2 /NDF: 563714.5/32

Out: 58.292 $\pm$ 0.009 χ^2 /NDF: 685668.0/36

All: 58.729 $\pm$ 0.007 χ^2 /NDF: 1254150.9/69

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -210.288 $\pm$ 90.416 χ^2 /NDF:16.2/17

Right Out: -20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

Left In: 62.078 $\pm$ 94.013 χ^2 /NDF:31.3/15

Left: -79.416 $\pm$ 65.168 χ^2 /NDF: 51.9/33

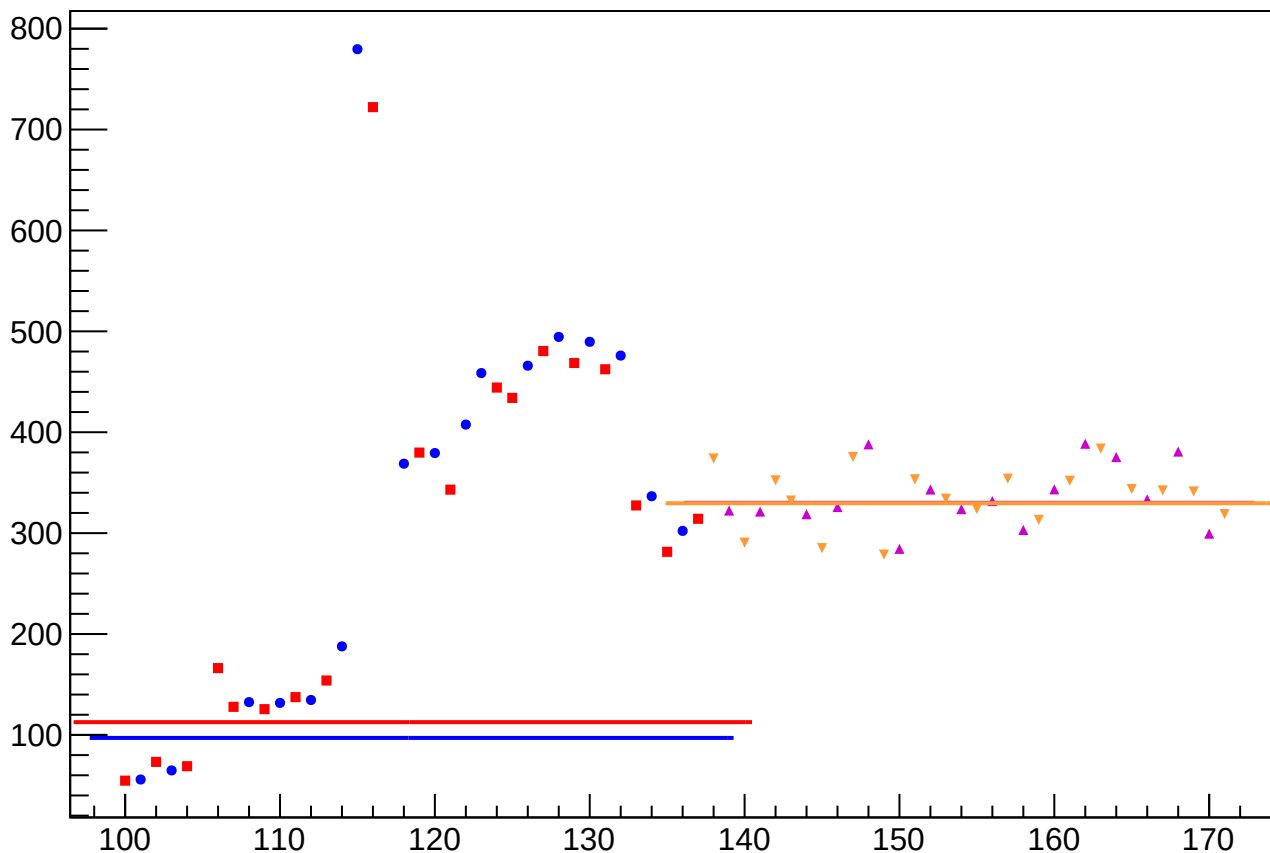
Right: 10.986 $\pm$ 37.043 χ^2 /NDF: 43.4/35

In: 45.262 $\pm$ 45.196 χ^2 /NDF:55.3/32

Out: -69.210 $\pm$ 45.899 χ^2 /NDF:38.4/36

All: -11.090 $\pm$ 32.204 χ^2 /NDF: 96.8/69

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 329.623+/-0.064 χ^2/NDF : 231884.5/17

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

Left In: 330.045+/-0.066 χ^2/NDF : 200404.4/15

Left: 329.826+/-0.046 χ^2/NDF : 432309.8/33

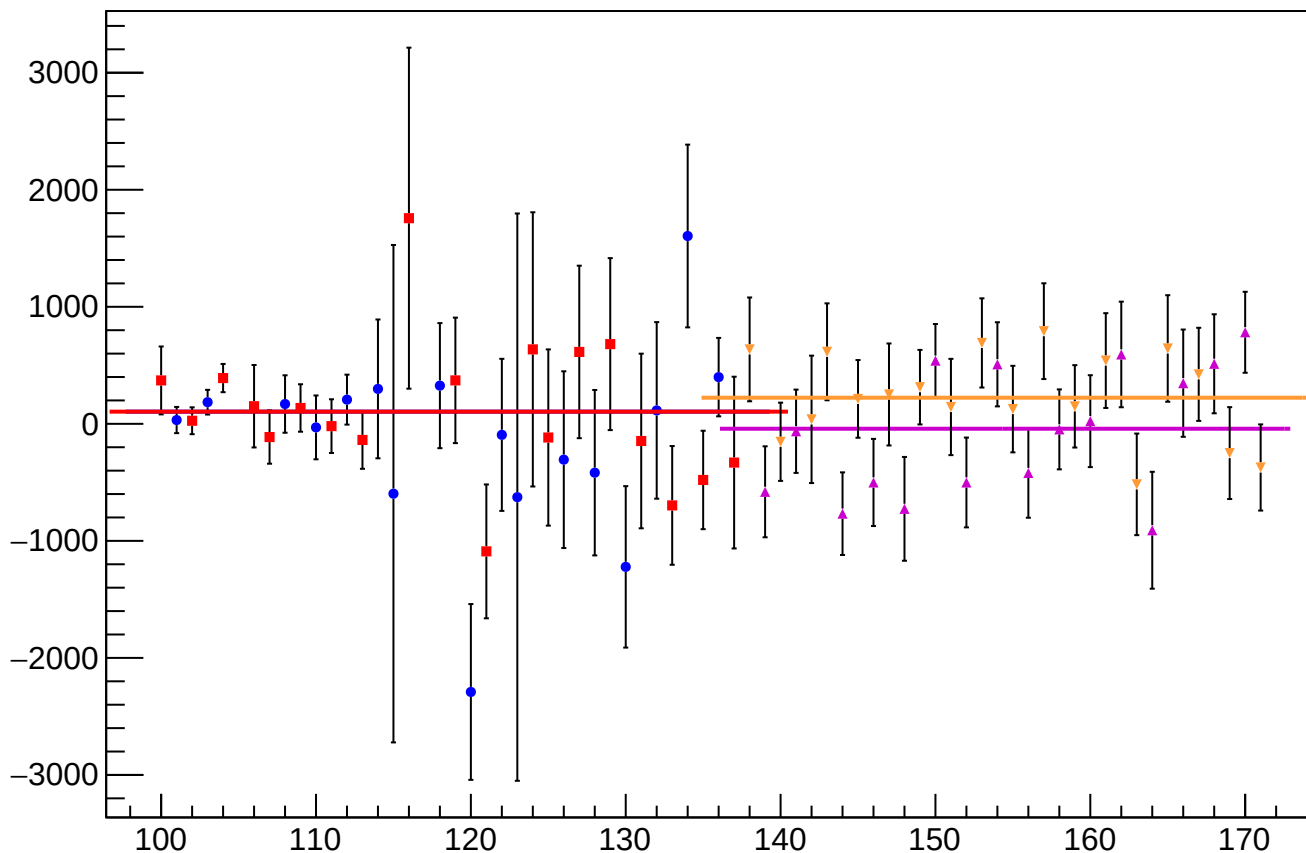
Right: 104.588+/-0.026 χ^2/NDF : 10944761.2/35

In: 150.888+/-0.032 χ^2/NDF : 15466192.8/32

Out: 168.567+/-0.032 χ^2/NDF : 13817213.1/36

All: 159.591+/-0.023 χ^2/NDF : 29434052.8/69

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 223.270 $\pm$ 92.042 χ^2 /NDF:15.5/17

Right Out: 104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

Left In: -41.883 $\pm$ 95.734 χ^2 /NDF:31.4/15

Left: 95.906 $\pm$ 66.350 χ^2 /NDF: 50.9/33

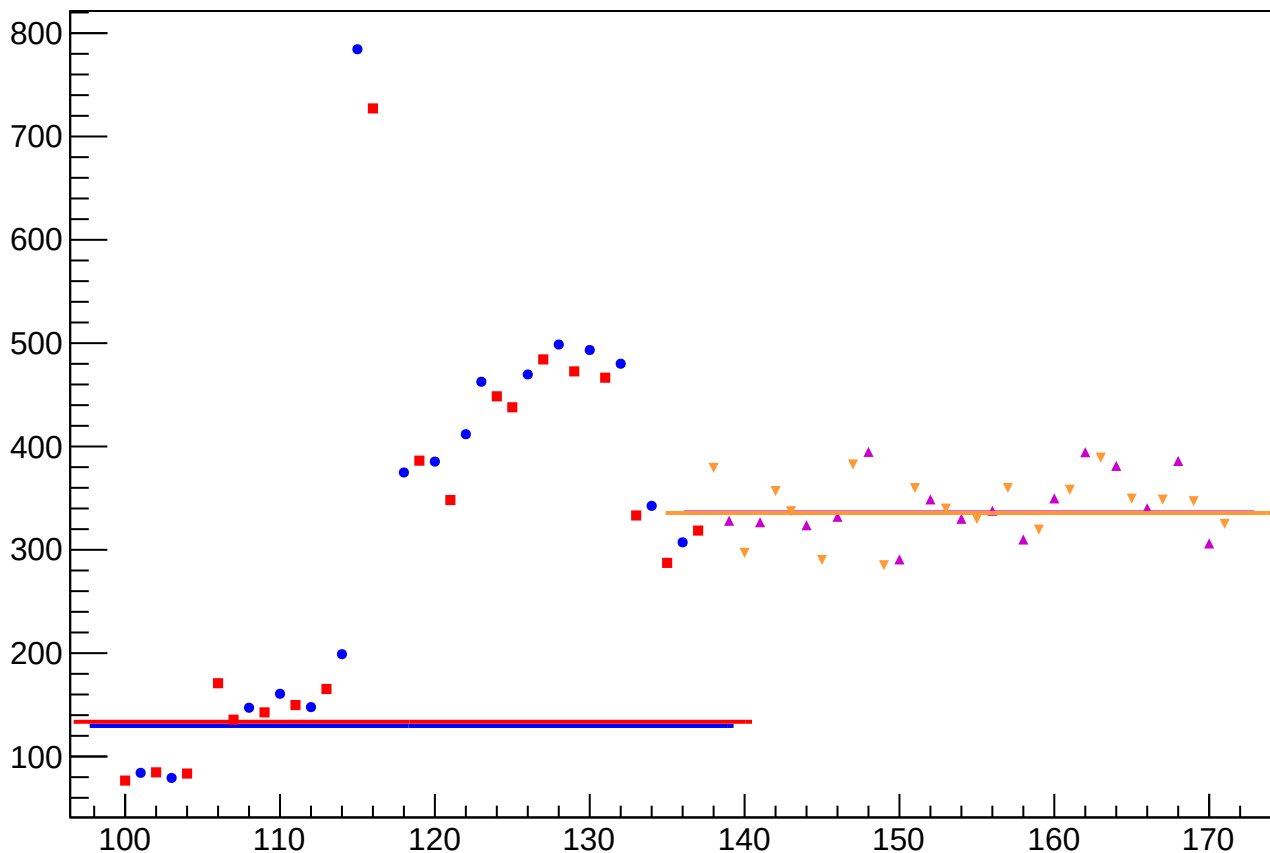
Right: 104.073 $\pm$ 43.823 χ^2 /NDF: 42.6/35

In: 59.763 $\pm$ 52.718 χ^2 /NDF:54.3/32

Out: 140.378 $\pm$ 50.764 χ^2 /NDF:38.0/36

All: 101.592 $\pm$ 36.567 χ^2 /NDF: 93.6/69

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 335.686 $\pm$ 0.065 χ^2 /NDF: 222915.0/17

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

Left In: 336.214 $\pm$ 0.068 χ^2 /NDF: 191658.8/15

Left: 335.940 $\pm$ 0.047 χ^2 /NDF: 414605.5/33

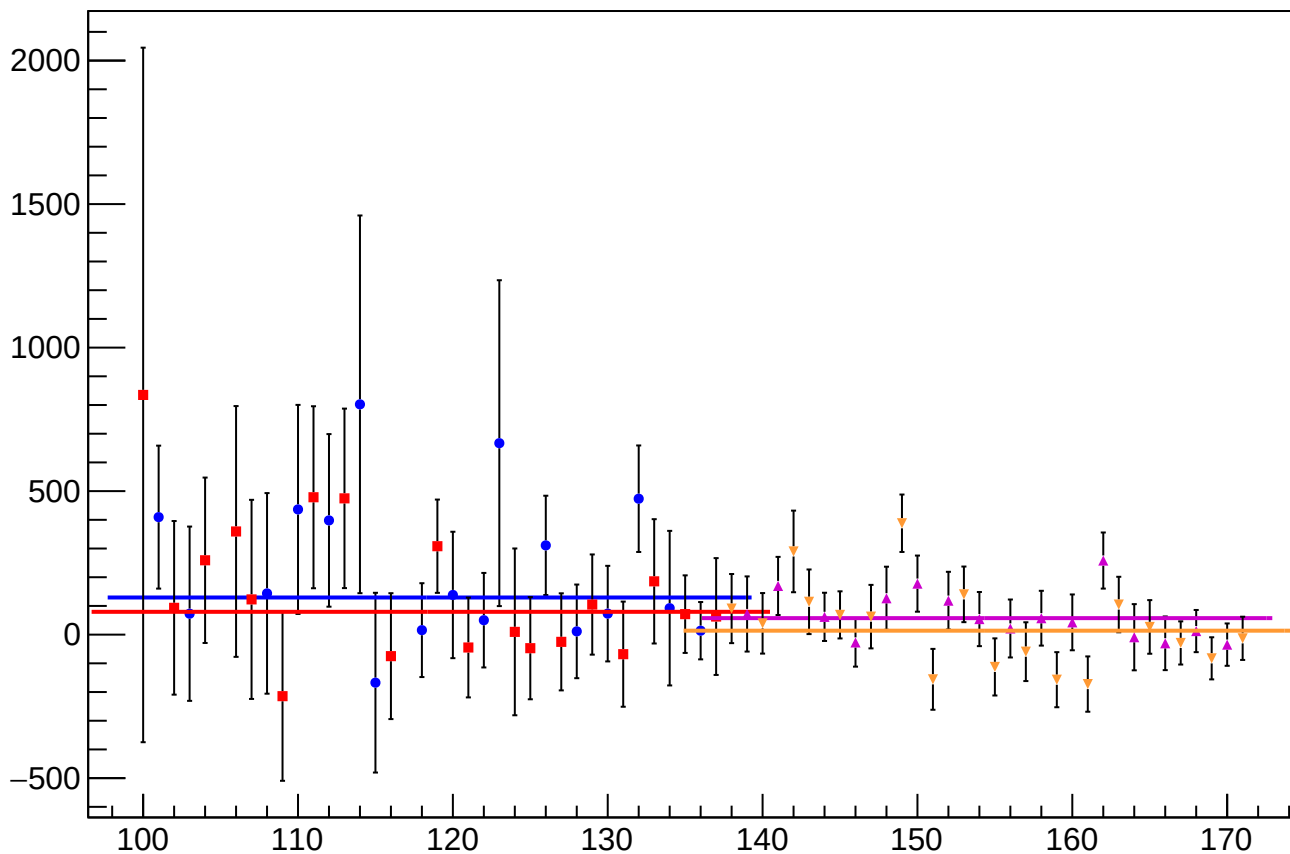
Right: 131.647 $\pm$ 0.031 χ^2 /NDF: 9142947.8/35

In: 192.220 $\pm$ 0.037 χ^2 /NDF: 11457965.6/32

Out: 195.067 $\pm$ 0.036 χ^2 /NDF: 11298147.5/36

All: 193.697 $\pm$ 0.026 χ^2 /NDF: 22759141.0/69

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: 13.755 $\pm$ 22.440 χ^2/NDF : 36.0/17

Right Out: 79.483 $\pm$ 49.886 χ^2/NDF : 10.2/18

Left In: 57.478 $\pm$ 23.483 χ^2/NDF : 12.0/15

Left: 34.624 $\pm$ 16.224 χ^2/NDF : 49.9/33

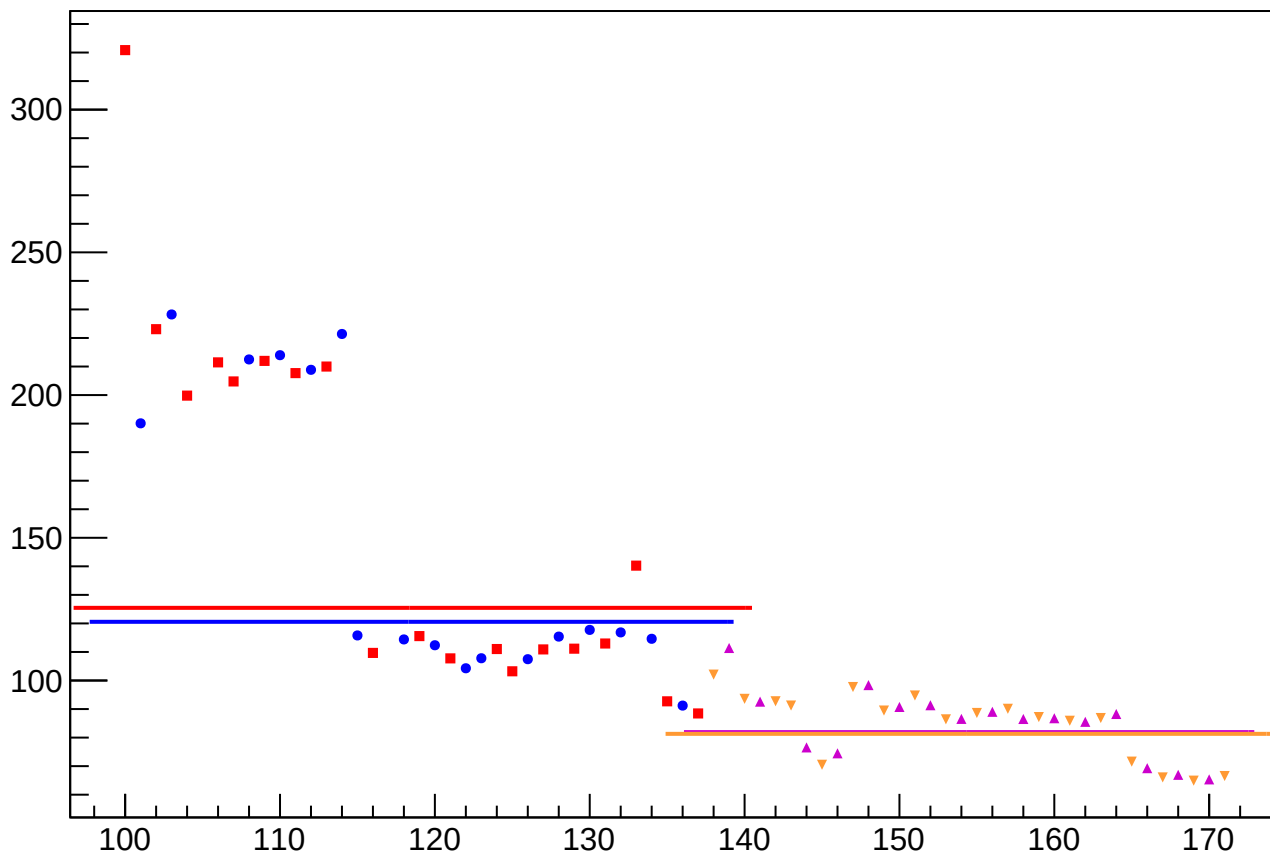
Right: 104.826 $\pm$ 35.001 χ^2/NDF : 23.7/35

In: 70.857 $\pm$ 21.186 χ^2/NDF : 26.7/32

Out: 24.817 $\pm$ 20.465 χ^2/NDF : 47.7/36

All: 47.039 $\pm$ 14.719 χ^2/NDF : 76.9/69

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: 81.315 $\pm$ 0.016 χ^2 /NDF: 569754.0/17

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

Left In: 81.929 $\pm$ 0.017 χ^2 /NDF: 479152.7/15

Left: 81.608 $\pm$ 0.011 χ^2 /NDF: 1049621.0/33

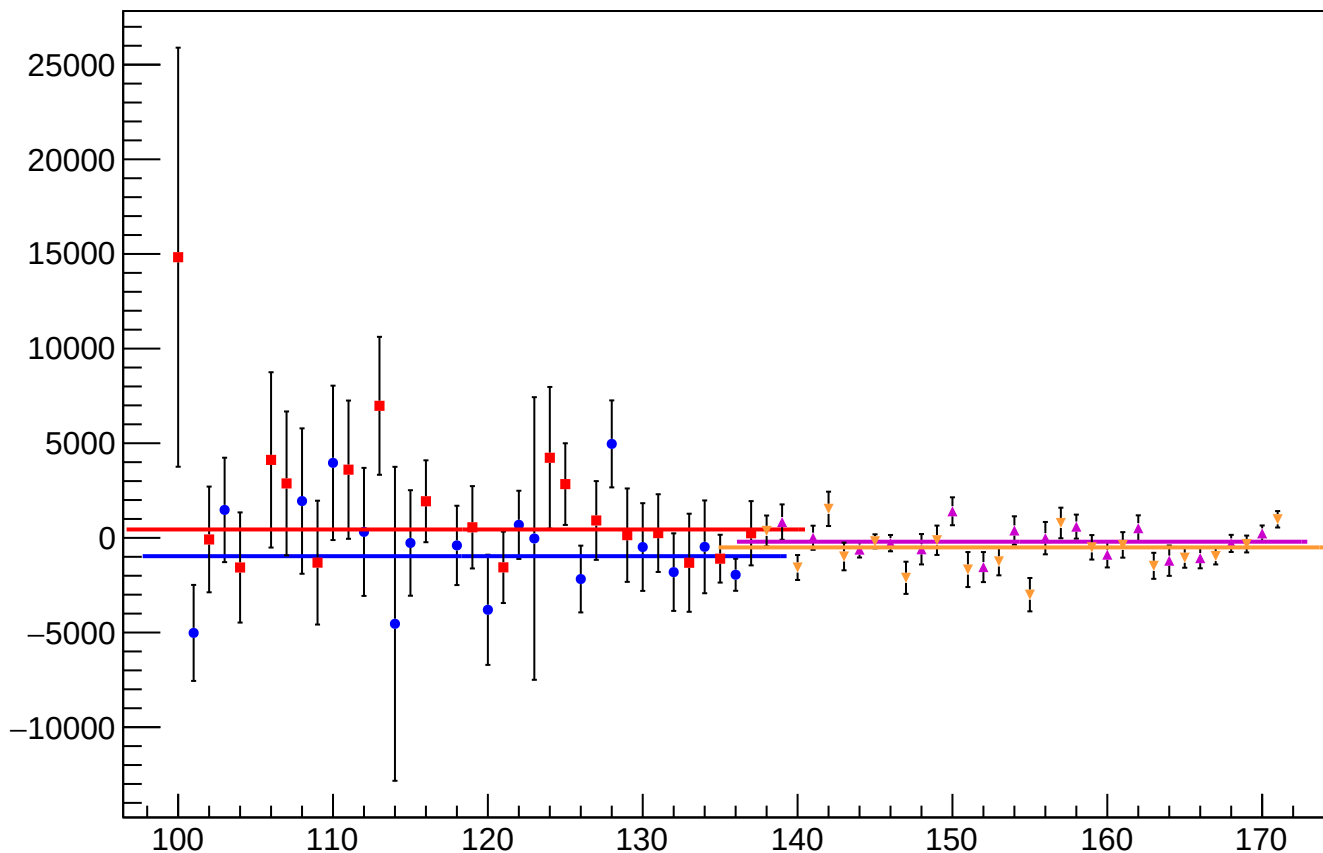
Right: 122.974 $\pm$ 0.025 χ^2 /NDF: 2455600.4/35

In: 89.116 $\pm$ 0.015 χ^2 /NDF: 2598370.1/32

Out: 88.744 $\pm$ 0.014 χ^2 /NDF: 3206020.3/36

All: 88.923 $\pm$ 0.010 χ^2 /NDF: 5804709.5/69

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587 $\pm$ 512.340 χ^2 /NDF: 16.4/16

Left Out: -502.352 $\pm$ 143.306 χ^2 /NDF:43.0/17

Right Out: 444.406 $\pm$ 545.370 χ^2 /NDF: 13.4/18

Left In: -202.477 $\pm$ 148.500 χ^2 /NDF:19.9/15

Left: -357.751 $\pm$ 103.120 χ^2 /NDF: 65.0/33

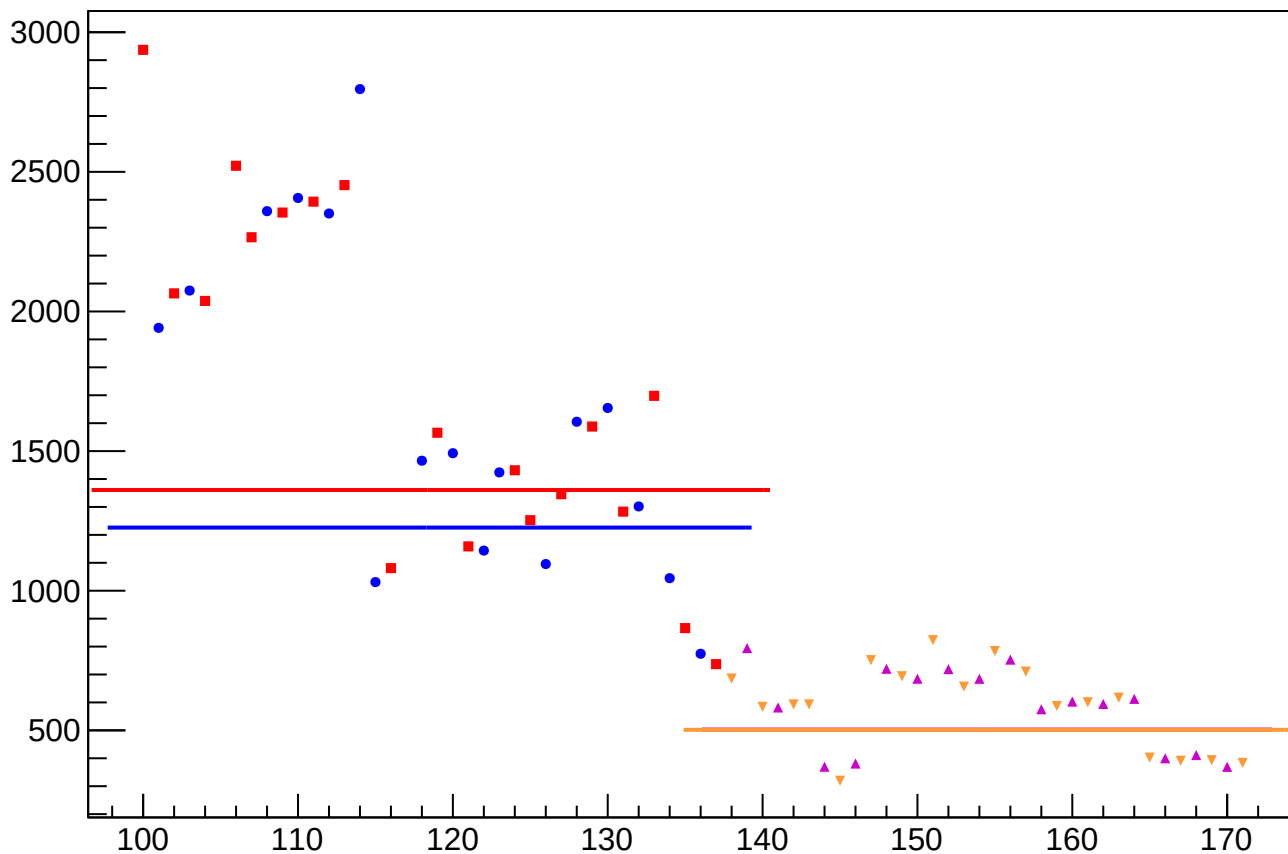
Right: -305.110 $\pm$ 373.410 χ^2 /NDF: 33.3/35

In: -261.696 $\pm$ 142.630 χ^2 /NDF:38.3/32

Out: -441.203 $\pm$ 138.600 χ^2 /NDF:59.2/36

All: -354.021 $\pm$ 99.399 χ^2 /NDF: 98.3/69

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 501.981+/-0.101 χ^2/NDF : 2225683.3/17

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

Left In: 502.780+/-0.105 χ^2/NDF : 1800460.1/15

Left: 502.366+/-0.073 χ^2/NDF : 4026173.4/33

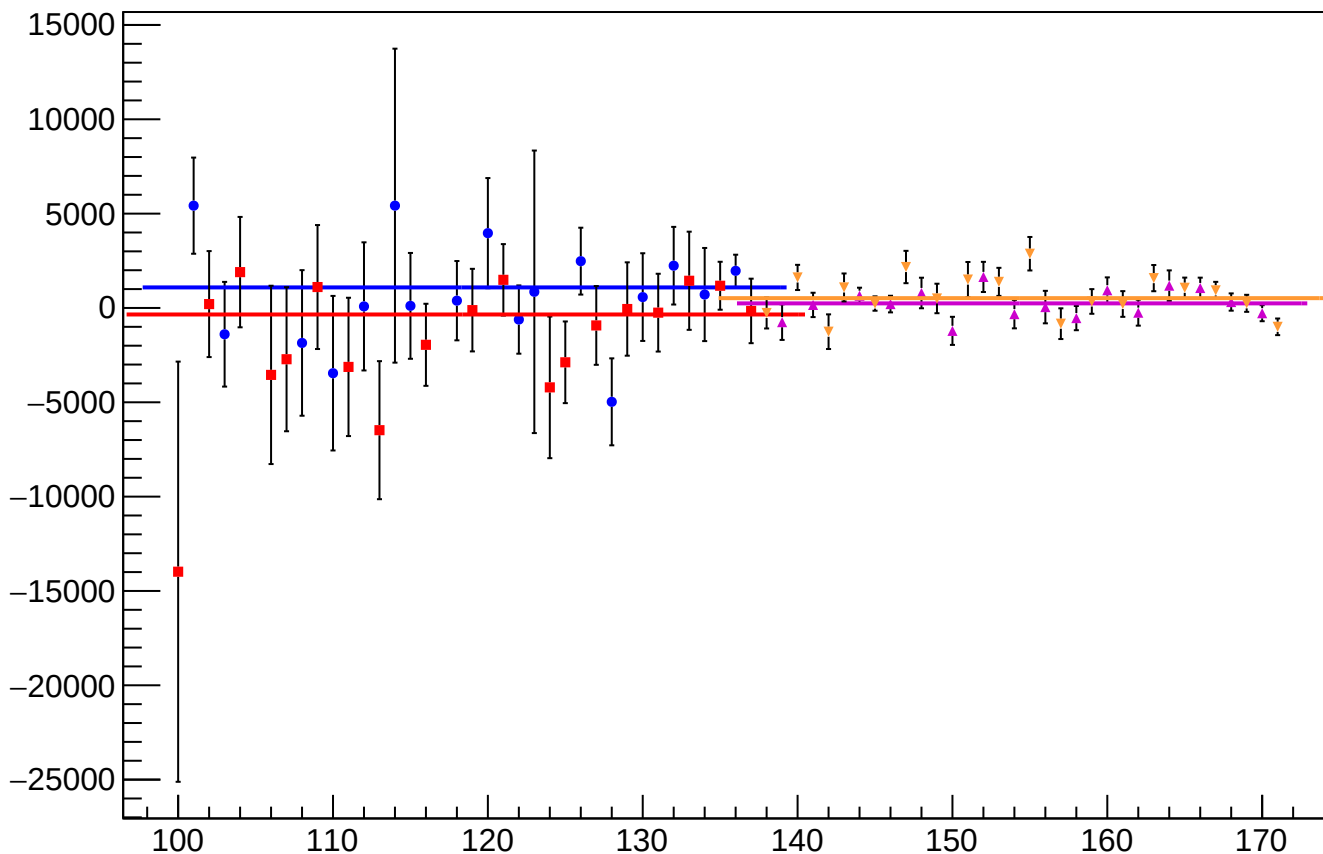
Right: 1289.252+/-0.264 χ^2/NDF : 3570145.2/35

In: 558.840+/-0.101 χ^2/NDF : 7234537.6/32

Out: 557.448+/-0.098 χ^2/NDF : 8613749.2/36

All: 558.124+/-0.070 χ^2/NDF : 15848384.8/69

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 519.873 $\pm$ 145.337 χ^2 /NDF:41.2/17

Right Out: -345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

Left In: 242.950 $\pm$ 150.652 χ^2 /NDF:18.1/15

Left: 386.382 $\pm$ 104.597 χ^2 /NDF: 61.1/33

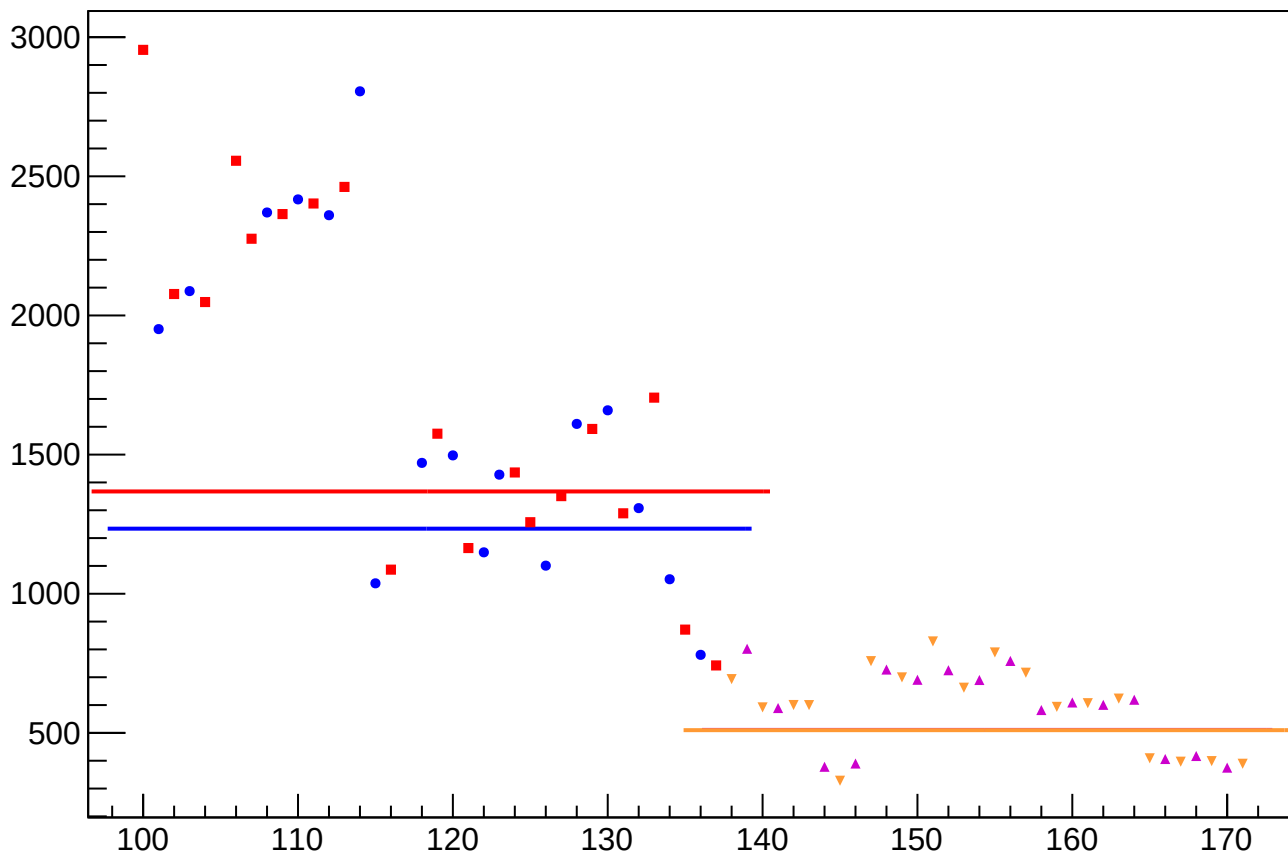
Right: 416.082 $\pm$ 375.451 χ^2 /NDF: 33.1/35

In: 309.582 $\pm$ 144.598 χ^2 /NDF:37.6/32

Out: 463.032 $\pm$ 140.484 χ^2 /NDF:56.1/36

All: 388.521 $\pm$ 100.760 χ^2 /NDF: 94.2/69

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 509.836+/-0.103 χ^2/NDF : 2158496.7/17

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

Left In: 510.738+/-0.107 χ^2/NDF : 1745459.8/15

Left: 510.270+/-0.074 χ^2/NDF : 3903993.6/33

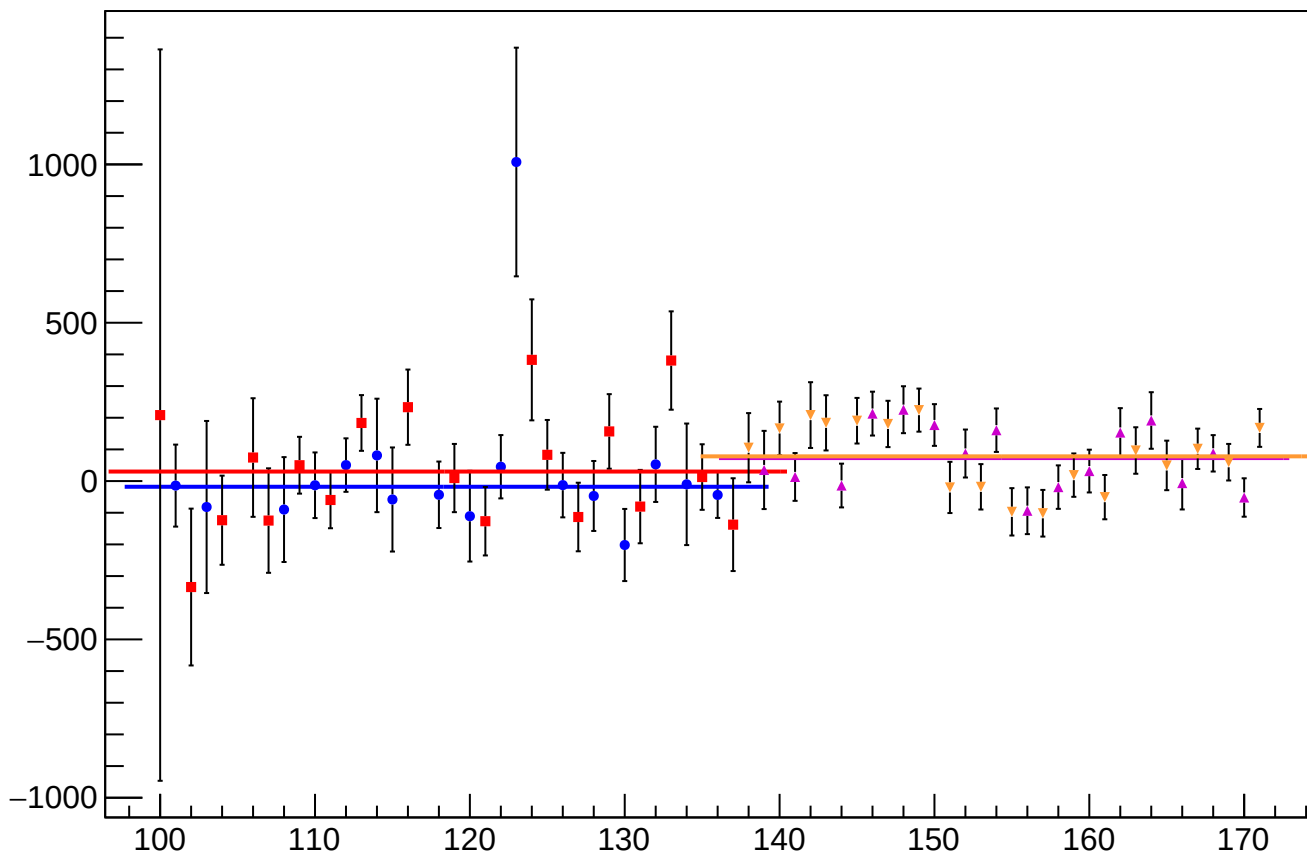
Right: 1296.600+/-0.265 χ^2/NDF : 3551849.9/35

In: 567.684+/-0.102 χ^2/NDF : 7118290.9/32

Out: 566.168+/-0.099 χ^2/NDF : 8478289.2/36

All: 566.904+/-0.071 χ^2/NDF : 15596693.1/69

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 78.070 ± 17.286 χ^2/NDF : 34.8/17

Right Out: 30.070 ± 27.976 χ^2/NDF : 27.4/18

Left In: 72.651 ± 18.003 χ^2/NDF : 30.1/15

Left: 75.471 ± 12.469 χ^2/NDF : 64.9/33

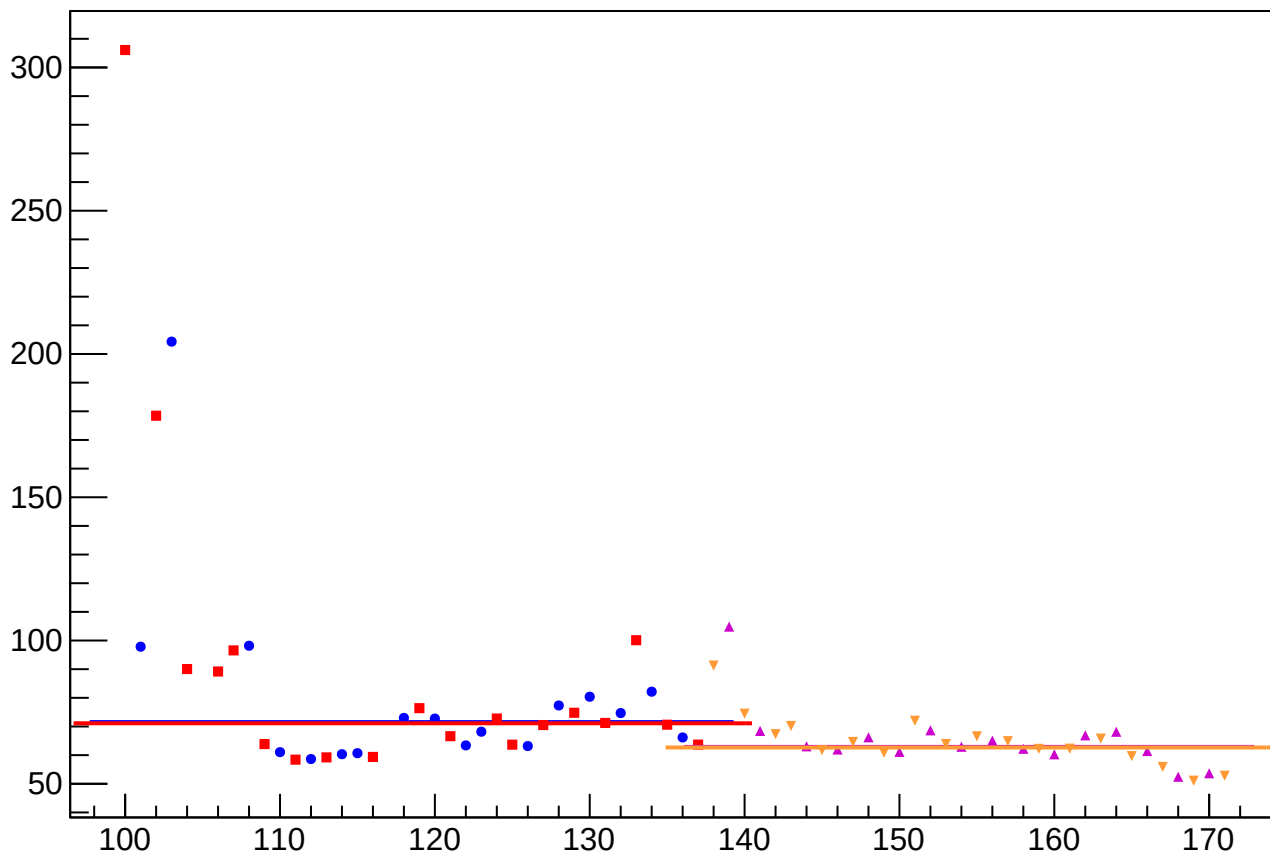
Right: 6.786 ± 20.083 χ^2/NDF : 42.2/35

In: 47.249 ± 15.273 χ^2/NDF : 50.6/32

Out: 64.808 ± 14.705 χ^2/NDF : 64.3/36

All: 56.361 ± 10.593 χ^2/NDF : 115.6/69

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 62.673+/-0.012 χ^2/NDF : 396366.7/17

Right Out: 71.115+/-0.020 χ^2/NDF : 765159.2/18

Left In: 62.874+/-0.013 χ^2/NDF : 389099.4/15

Left: 62.769+/-0.009 χ^2/NDF : 785595.4/33

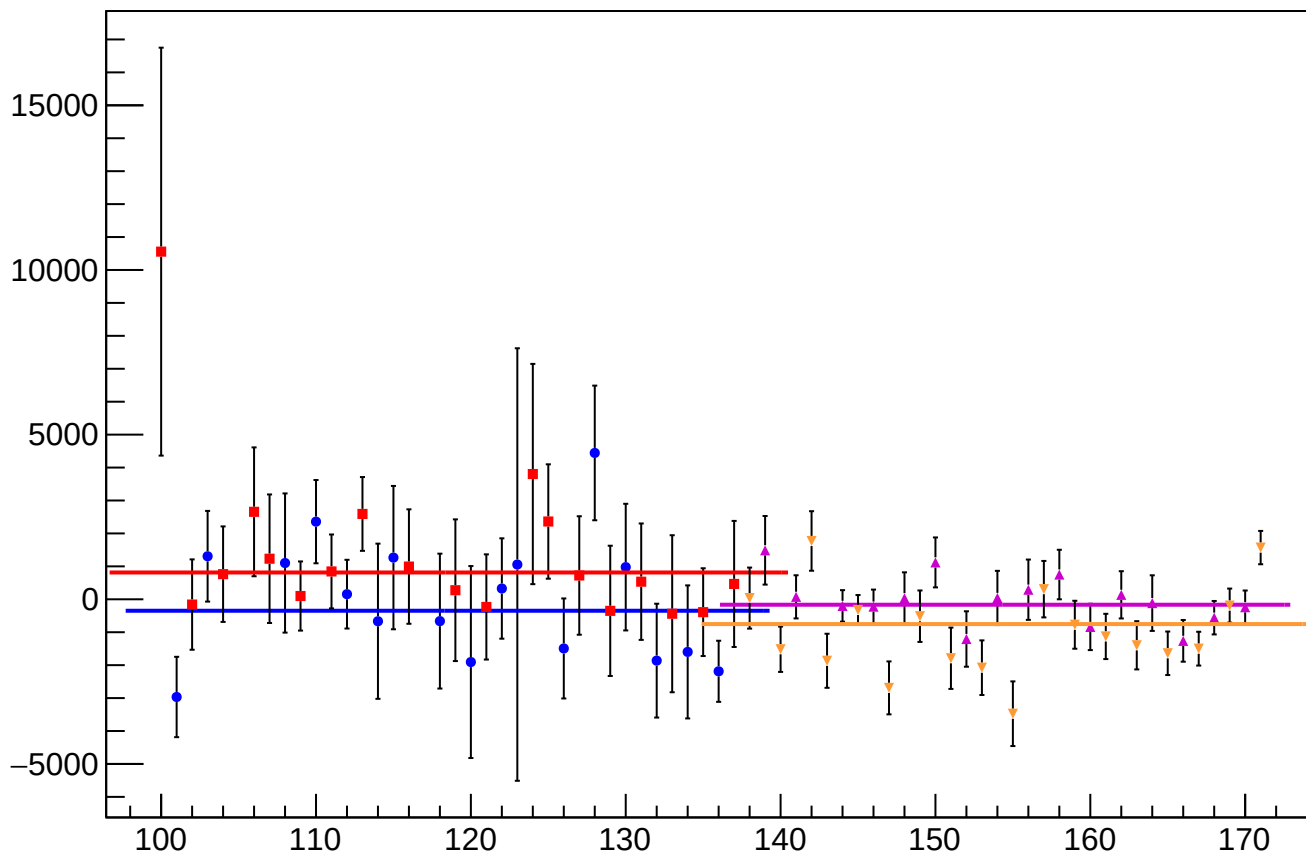
Right: 71.319+/-0.014 χ^2/NDF : 1524340.2/35

In: 65.302+/-0.011 χ^2/NDF : 1277843.9/32

Out: 65.005+/-0.010 χ^2/NDF : 1293326.7/36

All: 65.148+/-0.007 χ^2/NDF : 2571561.4/69

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -752.879+/-160.843 χ^2/NDF : 58.6/17

Right Out: 814.154+/-369.807 χ^2/NDF : 10.5/18

Left In: -165.347+/-166.215 χ^2/NDF : 13.7/15

Left: -468.760+/-115.586 χ^2/NDF : 78.7/33

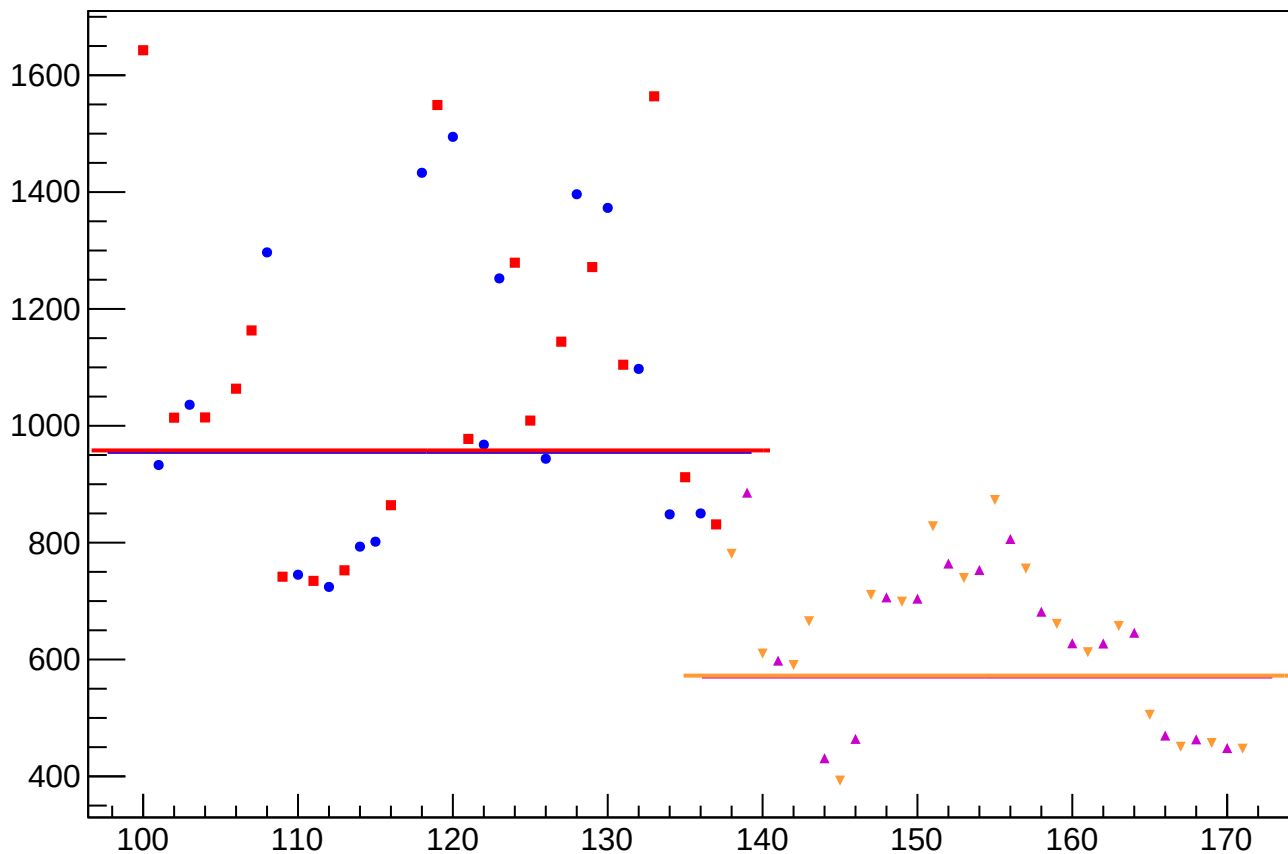
Right: 251.940+/-265.697 χ^2/NDF : 39.3/35

In: -194.414+/-152.412 χ^2/NDF : 37.9/32

Out: -503.598+/-147.496 χ^2/NDF : 84.2/36

All: -354.073+/-105.991 χ^2/NDF : 124.3/69

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 572.407 $\pm$ 0.114 χ^2 /NDF:1488976.5/17

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

Left In: 570.856 $\pm$ 0.118 χ^2 /NDF:1241483.2/15

Left: 571.657 $\pm$ 0.082 χ^2 /NDF: 2730549.7/33

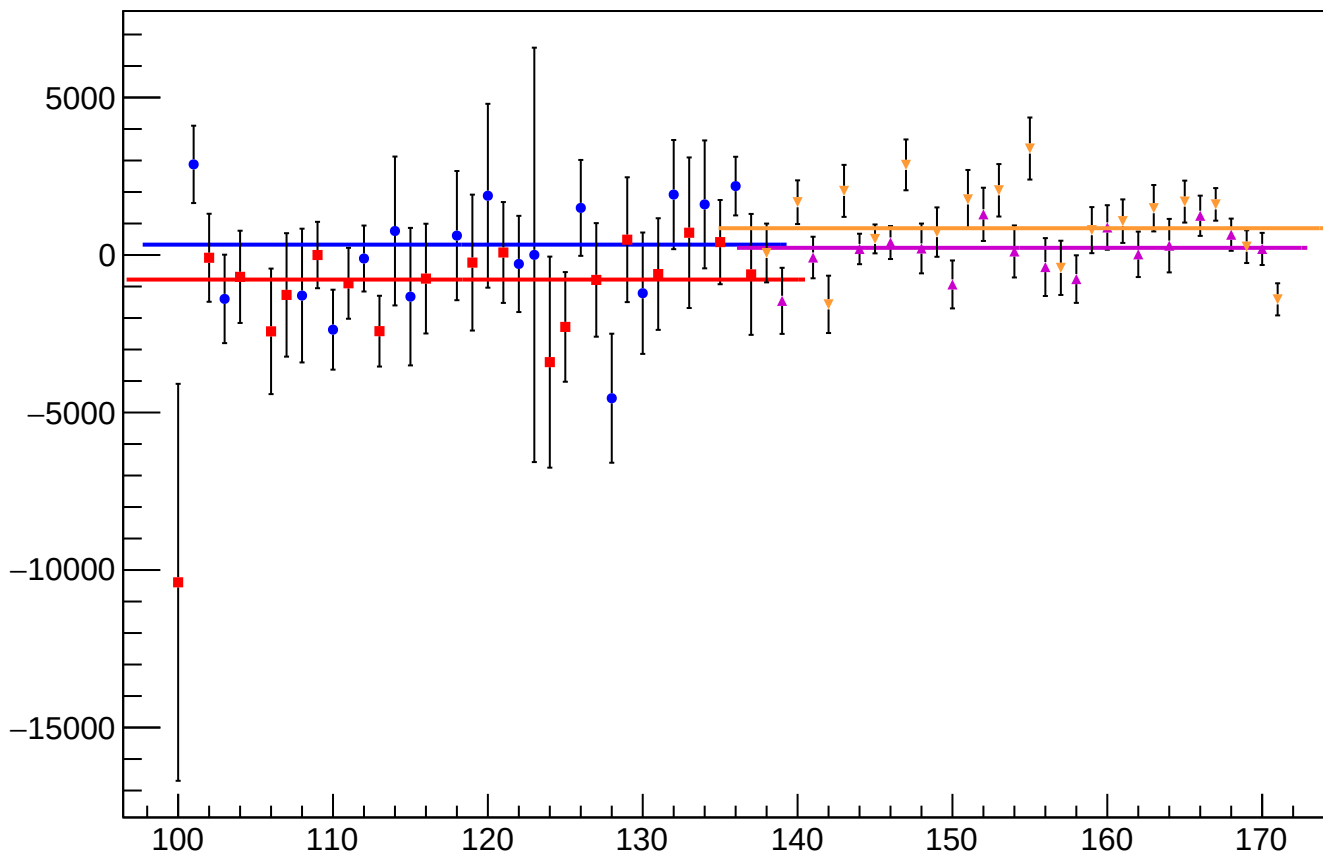
Right: 956.676 $\pm$ 0.188 χ^2 /NDF: 1339635.8/35

In: 632.077 $\pm$ 0.108 χ^2 /NDF:3592365.8/32

Out: 633.722 $\pm$ 0.104 χ^2 /NDF:4009118.1/36

All: 632.926 $\pm$ 0.075 χ^2 /NDF: 7601604.3/69

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 850.779 $\pm$ 161.935 χ^2 /NDF:55.3/17

Right Out: -779.623 $\pm$ 371.673 χ^2 /NDF: 9.3/18

Left In: 227.744 $\pm$ 167.361 χ^2 /NDF:13.1/15

Left: 549.526 $\pm$ 116.376 χ^2 /NDF: 75.6/33

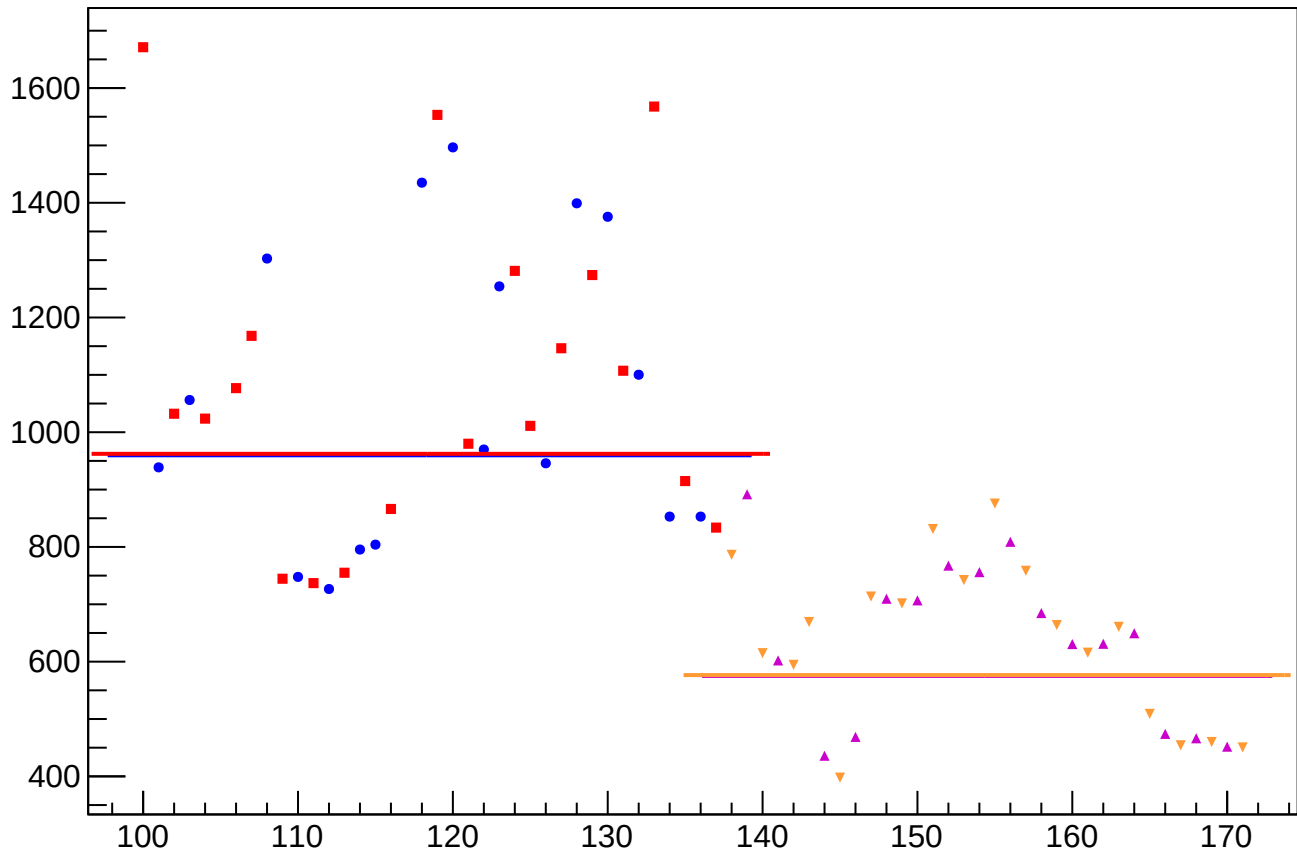
Right: -242.920 $\pm$ 266.973 χ^2 /NDF: 37.9/35

In: 243.953 $\pm$ 153.405 χ^2 /NDF:37.5/32

Out: 590.661 $\pm$ 148.456 χ^2 /NDF:80.8/36

All: 422.990 $\pm$ 106.681 χ^2 /NDF: 120.9/69

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 +/- 0.271 χ^2/NDF : 646727.9/16

Left Out: 576.577 +/- 0.115 χ^2/NDF : 1463053.6/17

Right Out: 962.314 +/- 0.263 χ^2/NDF : 695757.2/18

Left In: 575.070 +/- 0.118 χ^2/NDF : 1220121.4/15

Left: 575.848 +/- 0.082 χ^2/NDF : 2683258.7/33

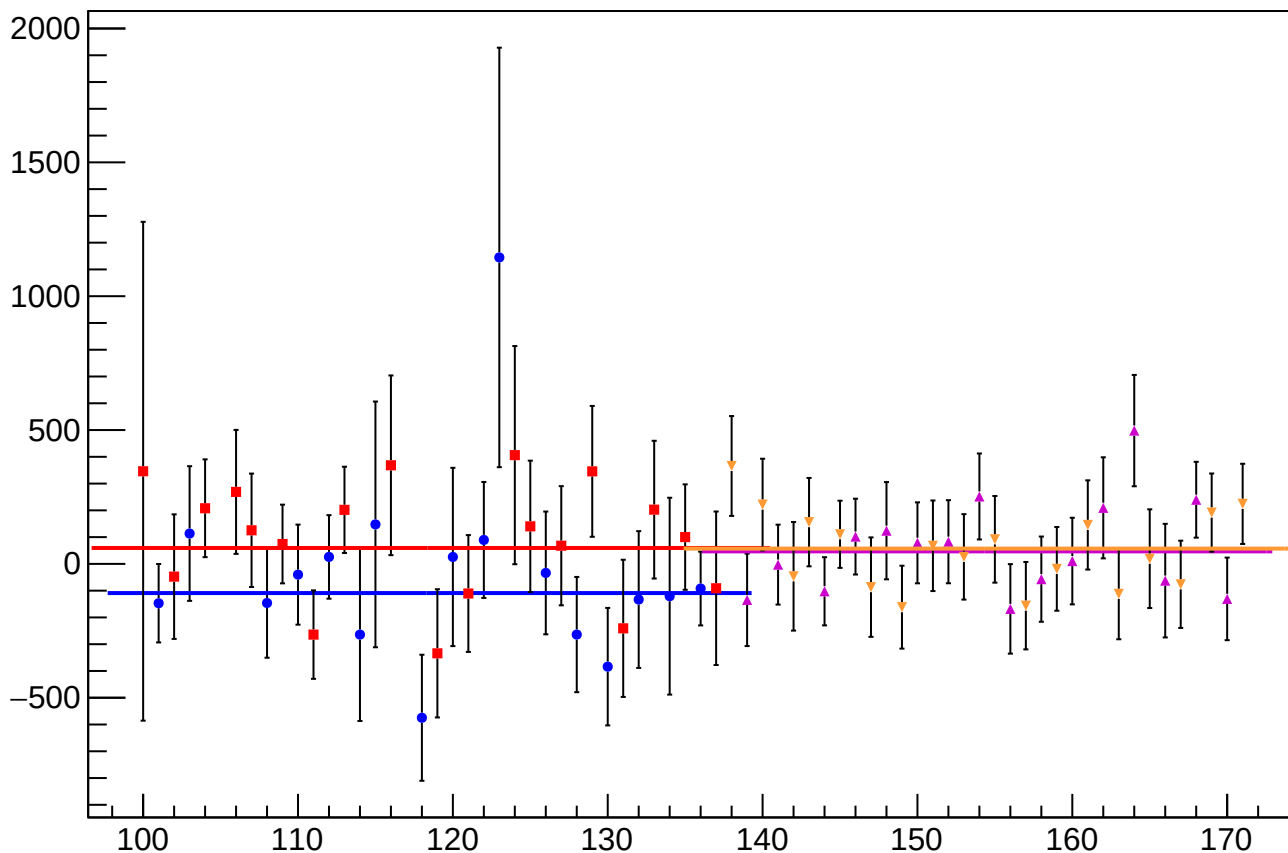
Right: 961.083 +/- 0.189 χ^2/NDF : 1342530.4/35

In: 636.553 +/- 0.108 χ^2/NDF : 3555729.9/32

Out: 638.118 +/- 0.105 χ^2/NDF : 3969344.7/36

All: 637.361 +/- 0.075 χ^2/NDF : 7525182.1/69

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 $\chi^2/\text{NDF}: 12.0/16$

Left Out: 57.166 ± 38.400 $\chi^2/\text{NDF}: 13.2/17$

Right Out: 59.475 ± 50.822 $\chi^2/\text{NDF}: 14.9/18$

Left In: 46.775 ± 40.064 $\chi^2/\text{NDF}: 15.7/15$

Left: 52.191 ± 27.722 $\chi^2/\text{NDF}: 28.9/33$

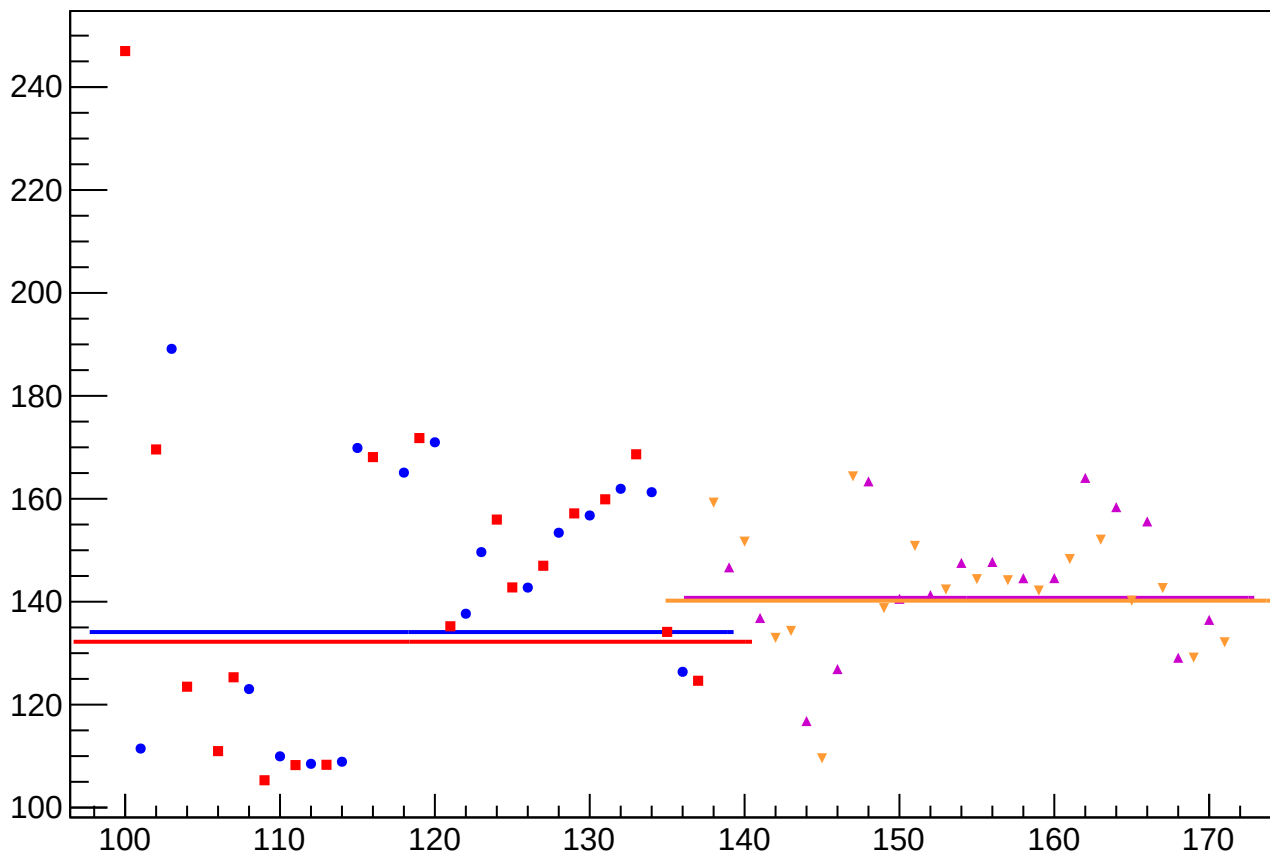
Right: -21.341 ± 36.657 $\chi^2/\text{NDF}: 32.2/35$

In: -9.966 ± 31.943 $\chi^2/\text{NDF}: 33.2/32$

Out: 58.005 ± 30.638 $\chi^2/\text{NDF}: 28.0/36$

All: 25.437 ± 22.111 $\chi^2/\text{NDF}: 63.6/69$

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 140.203 $\pm$ 0.027 χ^2 /NDF:231455.7/17

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

Left In: 140.750 $\pm$ 0.028 χ^2 /NDF:203626.6/15

Left: 140.465 $\pm$ 0.020 χ^2 /NDF: 435276.4/33

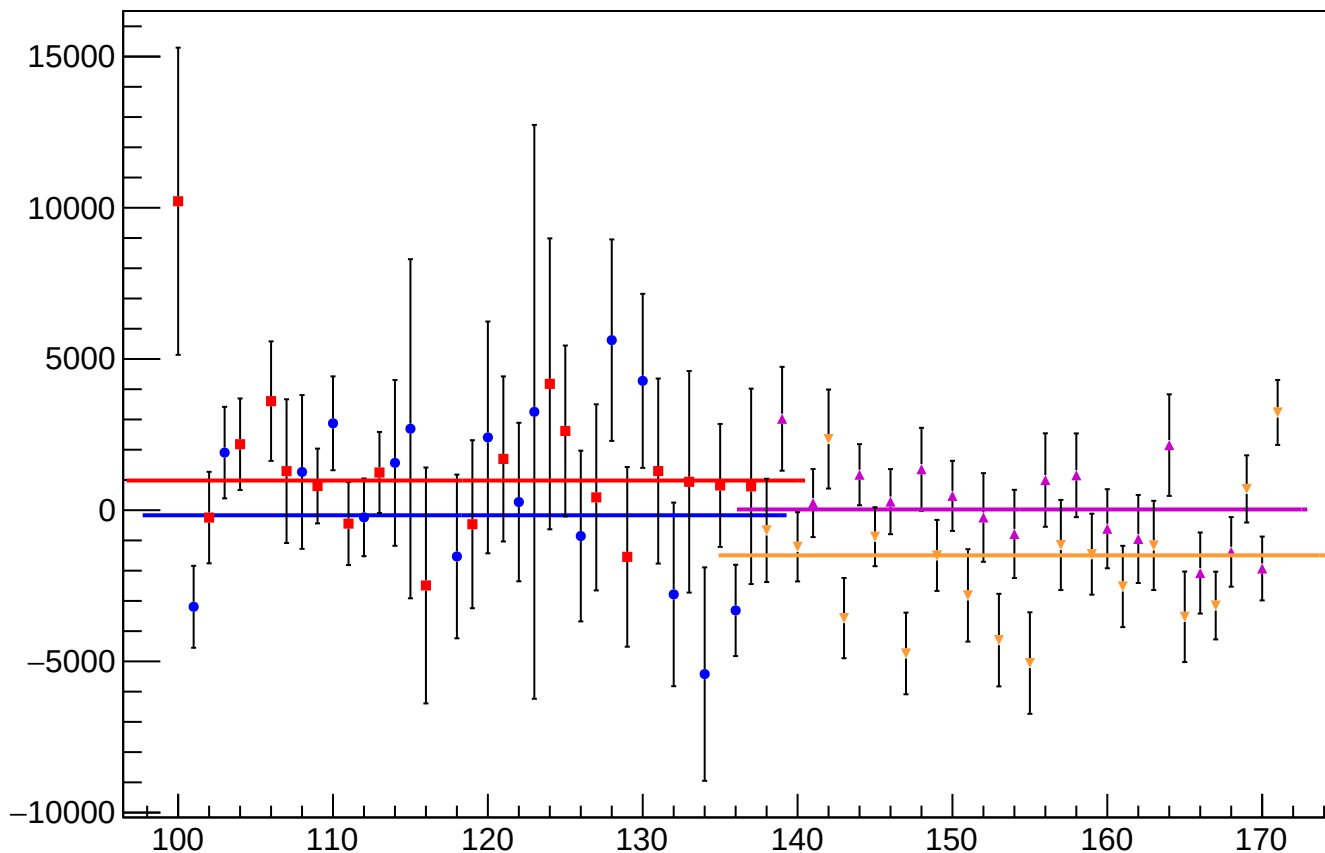
Right: 133.123 $\pm$ 0.026 χ^2 /NDF: 845638.9/35

In: 138.329 $\pm$ 0.023 χ^2 /NDF:626263.0/32

Out: 137.302 $\pm$ 0.022 χ^2 /NDF:704619.8/36

All: 137.794 $\pm$ 0.016 χ^2 /NDF: 1331959.6/69

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 $\pm$ 523.672 χ^2 /NDF: 25.3/16

Left Out: -1493.005 $\pm$ 308.220 χ^2 /NDF:51.1/17

Right Out: 980.517 $\pm$ 480.968 χ^2 /NDF: 10.2/18

Left In: 24.514 $\pm$ 320.403 χ^2 /NDF:16.6/15

Left: -763.645 $\pm$ 222.127 χ^2 /NDF: 79.3/33

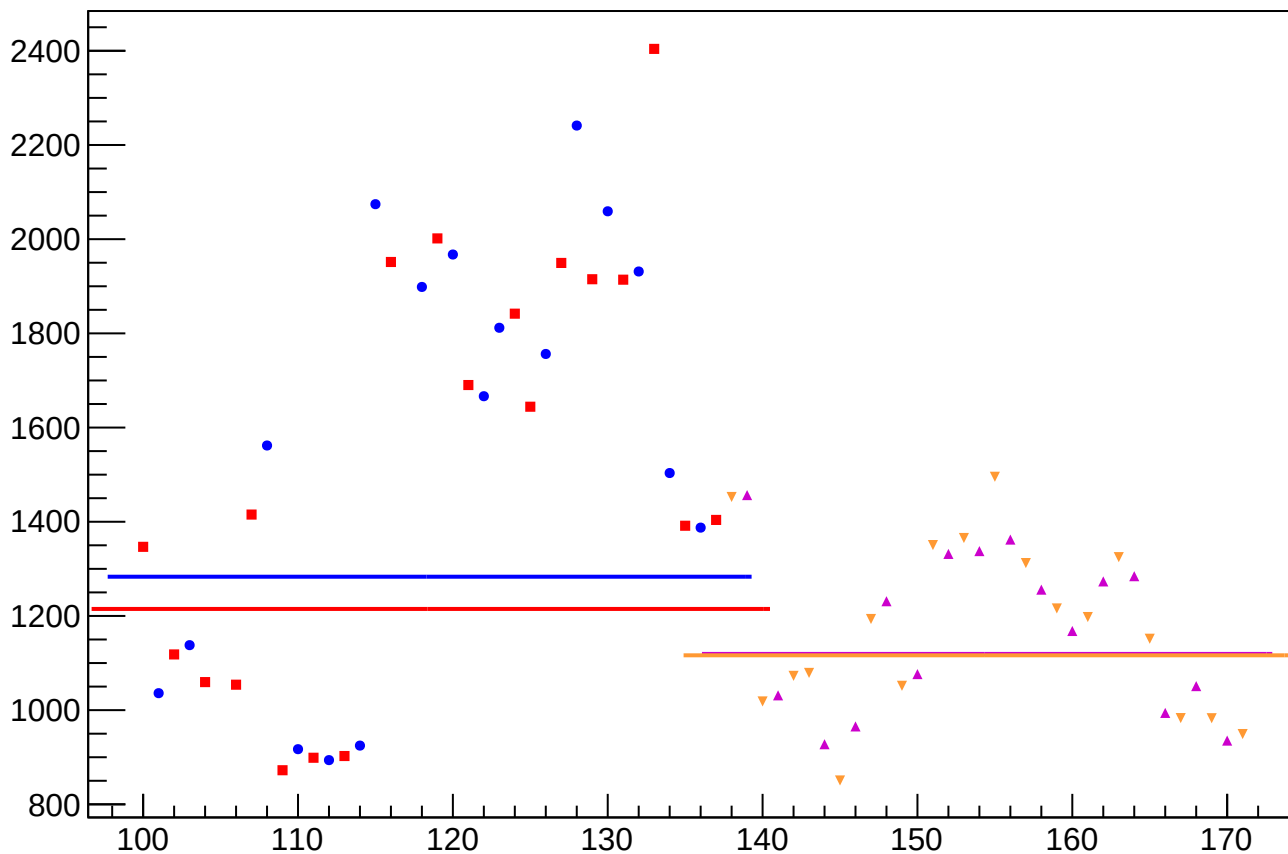
Right: 454.882 $\pm$ 354.232 χ^2 /NDF: 38.1/35

In: -27.988 $\pm$ 273.306 χ^2 /NDF:42.0/32

Out: -772.925 $\pm$ 259.507 χ^2 /NDF:80.0/36

All: -419.736 $\pm$ 188.188 χ^2 /NDF: 125.9/69

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: 1116.417 $\pm$ 0.218 χ^2 /NDF: 657956.0/17

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

Left In: 1119.368 $\pm$ 0.227 χ^2 /NDF: 503469.4/15

Left: 1117.835 $\pm$ 0.157 χ^2 /NDF: 1161513.6/33

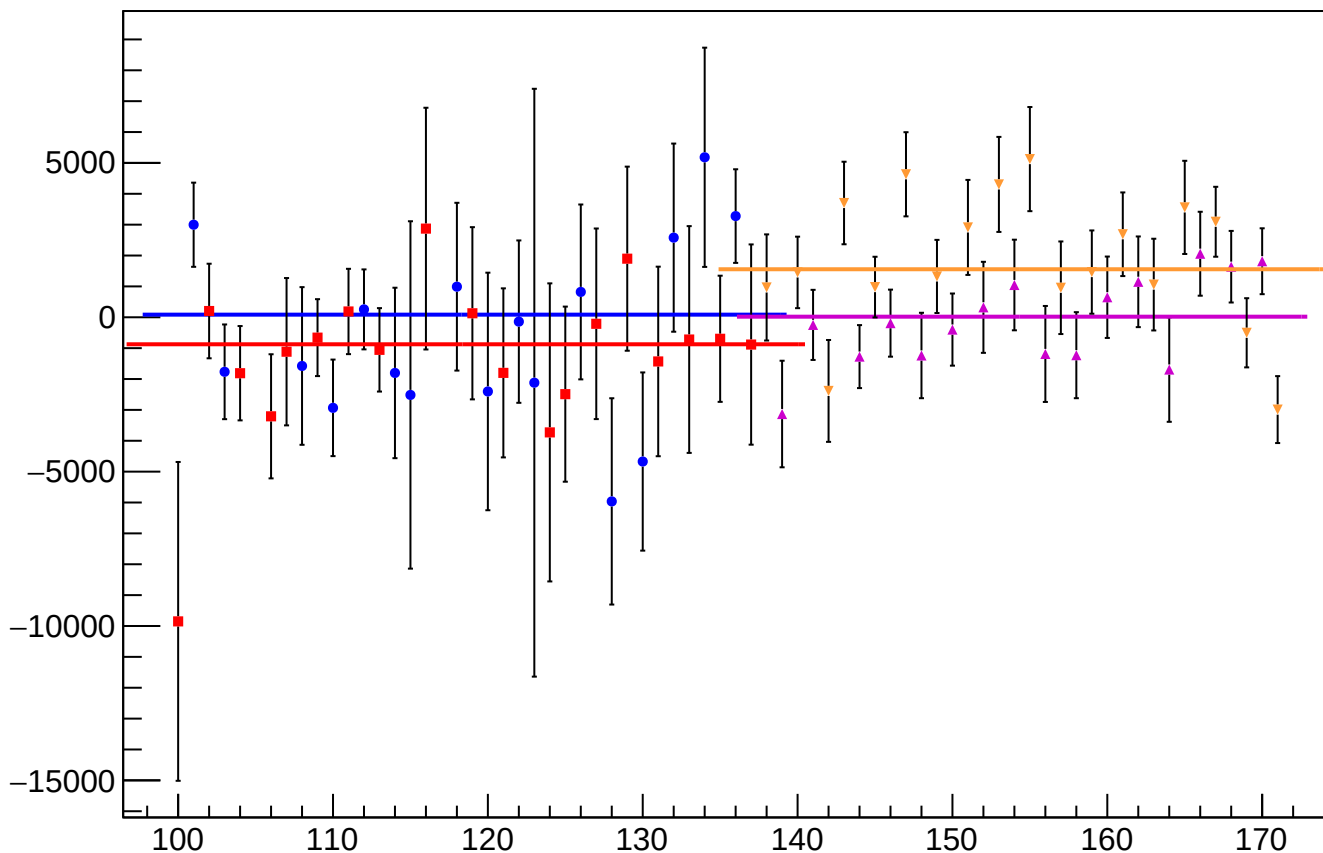
Right: 1246.197 $\pm$ 0.250 χ^2 /NDF: 2548819.1/35

In: 1164.025 $\pm$ 0.193 χ^2 /NDF: 1815538.6/32

Out: 1145.082 $\pm$ 0.183 χ^2 /NDF: 2078238.2/36

All: 1154.063 $\pm$ 0.133 χ^2 /NDF: 3898829.7/69

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1555.687+/-310.786 χ^2/NDF : 47.9/17

Right Out: -874.592+/-484.647 χ^2/NDF : 8.7/18

Left In: 19.210+/-323.083 χ^2/NDF : 16.8/15

Left: 817.246+/-223.980 χ^2/NDF : 76.4/33

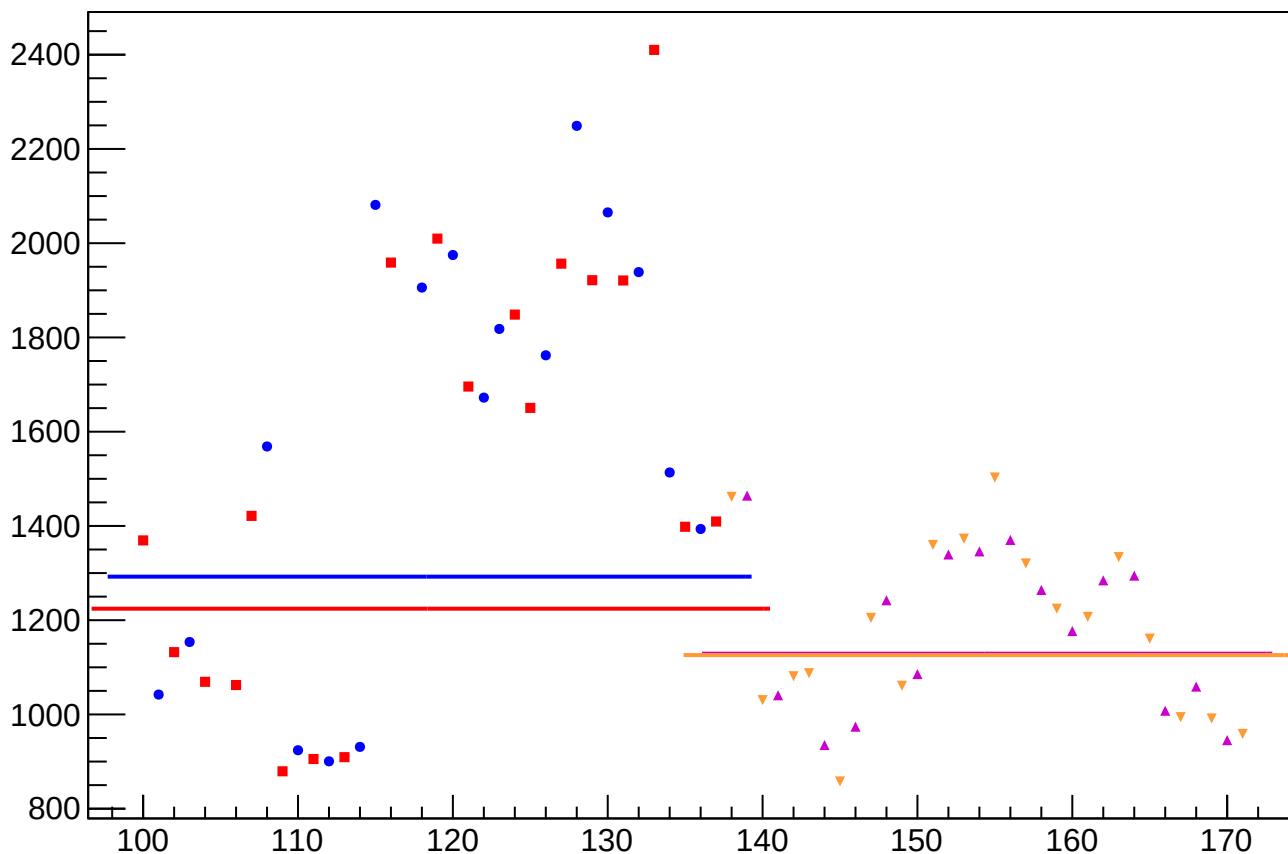
Right: -434.939+/-356.757 χ^2/NDF : 35.2/35

In: 37.199+/-275.454 χ^2/NDF : 41.5/32

Out: 847.522+/-261.616 χ^2/NDF : 74.4/36

All: 463.225+/-189.694 χ^2/NDF : 120.4/69

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1125.981 $\pm$ 0.220 χ^2 /NDF: 647530.0/17

Right Out: 1224.429 $\pm$ 0.343 χ^2 /NDF: 1345748.2/18

Left In: 1128.969 $\pm$ 0.228 χ^2 /NDF: 494796.2/15

Left: 1127.417 $\pm$ 0.158 χ^2 /NDF: 1142415.0/33

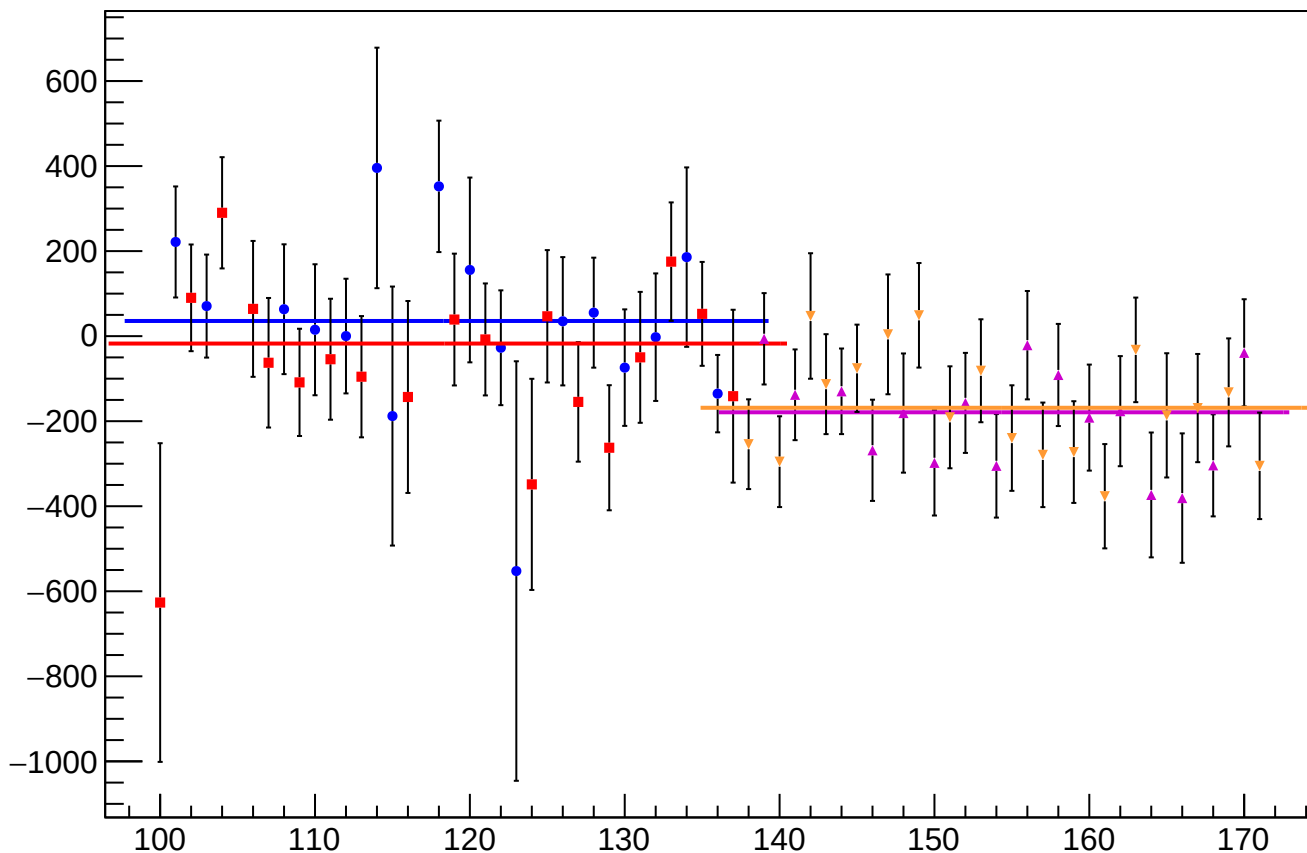
Right: 1255.580 $\pm$ 0.252 χ^2 /NDF: 2520360.3/35

In: 1173.611 $\pm$ 0.195 χ^2 /NDF: 1791184.6/32

Out: 1154.668 $\pm$ 0.185 χ^2 /NDF: 2051757.0/36

All: 1163.652 $\pm$ 0.134 χ^2 /NDF: 3847914.2/69

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -168.452 ± 28.713 $\chi^2/\text{NDF}: 17.7/17$

Right Out: -17.418 ± 34.691 $\chi^2/\text{NDF}: 18.9/18$

Left In: -179.086 ± 30.480 $\chi^2/\text{NDF}: 13.5/15$

Left: -173.452 ± 20.900 $\chi^2/\text{NDF}: 31.3/33$

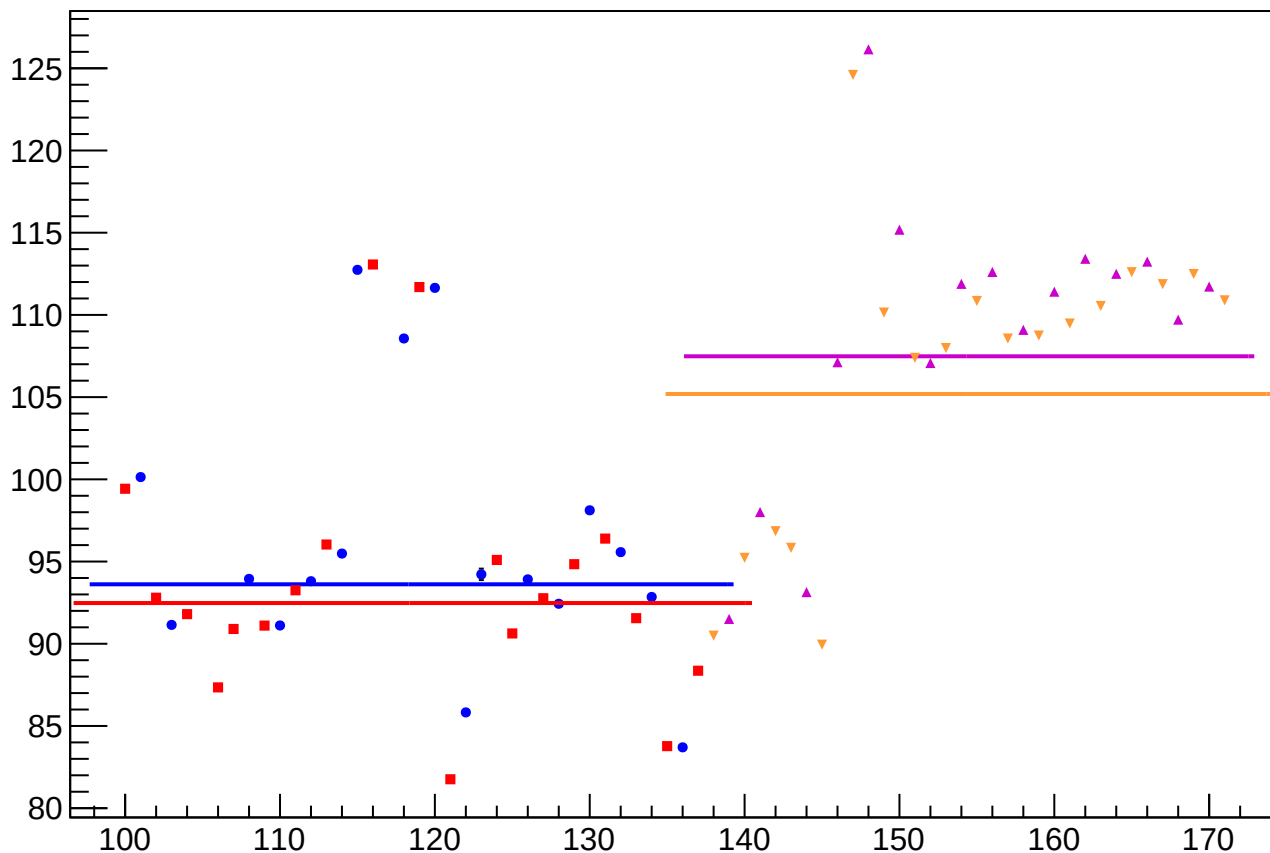
Right: 7.891 ± 25.096 $\chi^2/\text{NDF}: 35.3/35$

In: -90.422 ± 23.356 $\chi^2/\text{NDF}: 49.3/32$

Out: -107.049 ± 22.120 $\chi^2/\text{NDF}: 47.9/36$

All: -99.187 ± 16.060 $\chi^2/\text{NDF}: 97.4/69$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 105.191+/-0.020 χ^2/NDF :197346.2/17

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

Left In: 107.483+/-0.022 χ^2/NDF :164389.9/15

Left: 106.269+/-0.015 χ^2/NDF : 367726.4/33

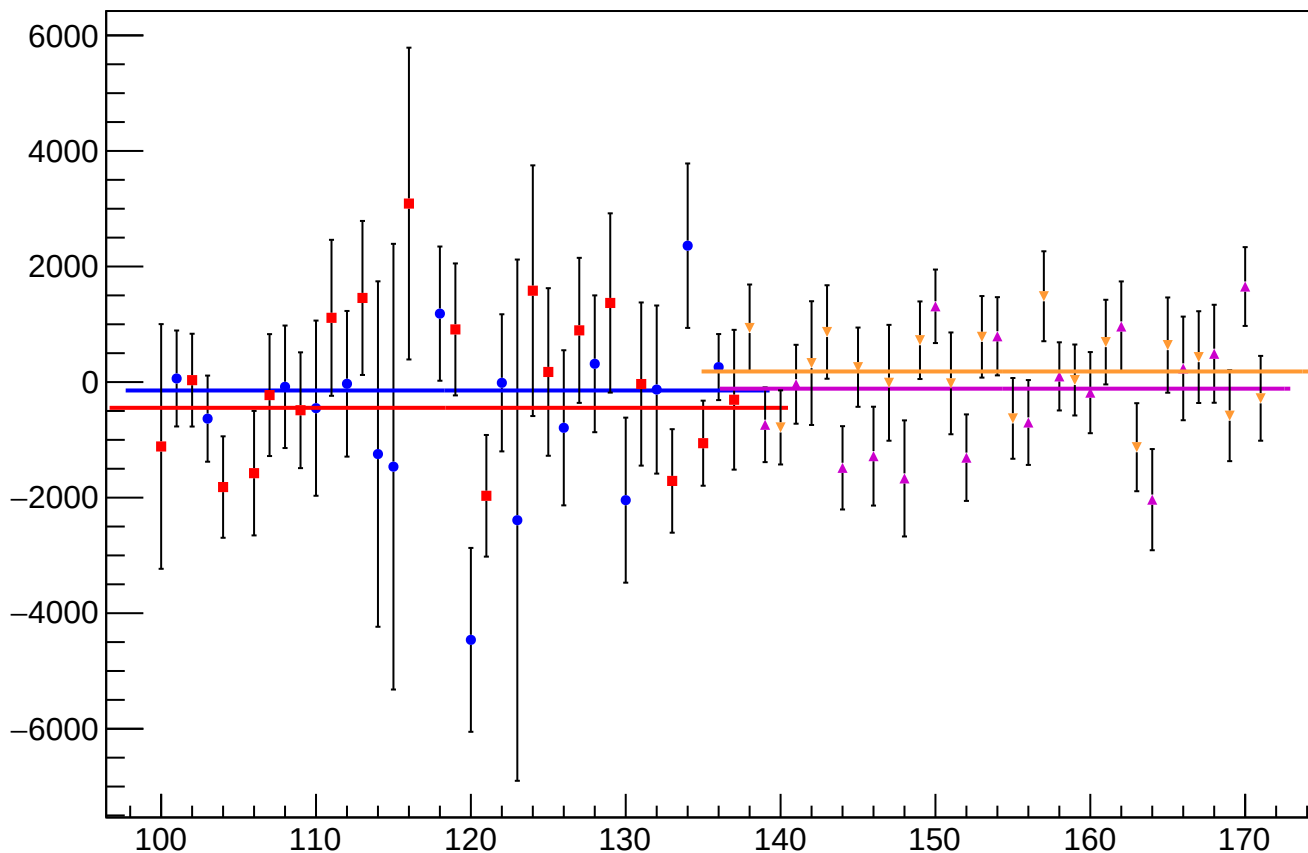
Right: 93.020+/-0.018 χ^2/NDF : 159546.8/35

In: 101.758+/-0.017 χ^2/NDF :415220.6/32

Out: 100.022+/-0.016 χ^2/NDF :435364.0/36

All: 100.843+/-0.011 χ^2/NDF : 856408.2/69

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 $\pm$ 276.629 χ^2 /NDF: 15.5/16

Left Out: 183.540 $\pm$ 177.614 χ^2 /NDF:14.9/17

Right Out: -445.575 $\pm$ 260.276 χ^2 /NDF: 19.0/18

Left In: -114.196 $\pm$ 183.358 χ^2 /NDF:33.0/15

Left: 39.408 $\pm$ 127.574 χ^2 /NDF: 49.3/33

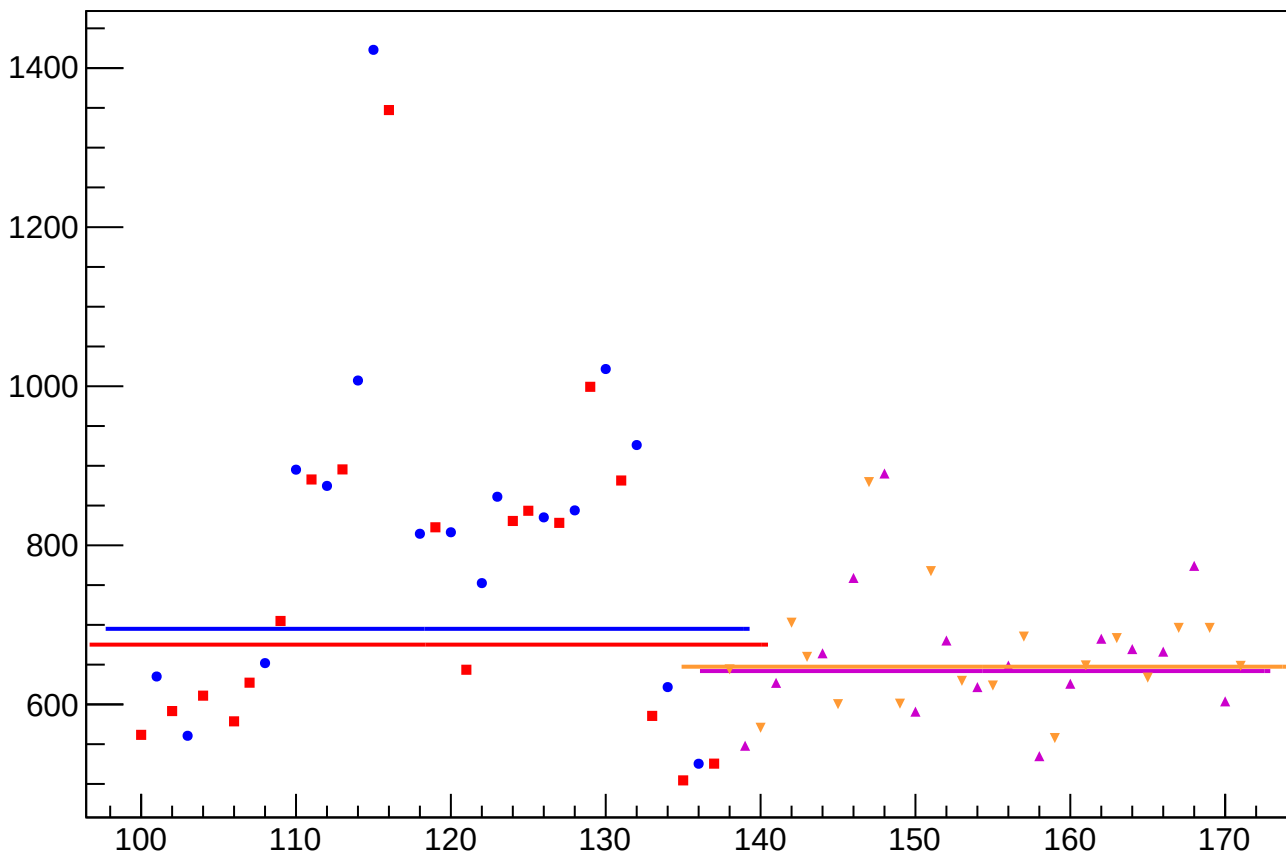
Right: -304.652 $\pm$ 189.560 χ^2 /NDF: 35.1/35

In: -123.740 $\pm$ 152.833 χ^2 /NDF:48.5/32

Out: -16.344 $\pm$ 146.709 χ^2 /NDF:37.9/36

All: -67.847 $\pm$ 105.838 χ^2 /NDF: 86.6/69

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: 647.404 $\pm$ 0.126 χ^2 /NDF:269137.6/17

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

Left In: 641.918 $\pm$ 0.130 χ^2 /NDF:355462.5/15

Left: 644.748 $\pm$ 0.090 χ^2 /NDF: 625523.9/33

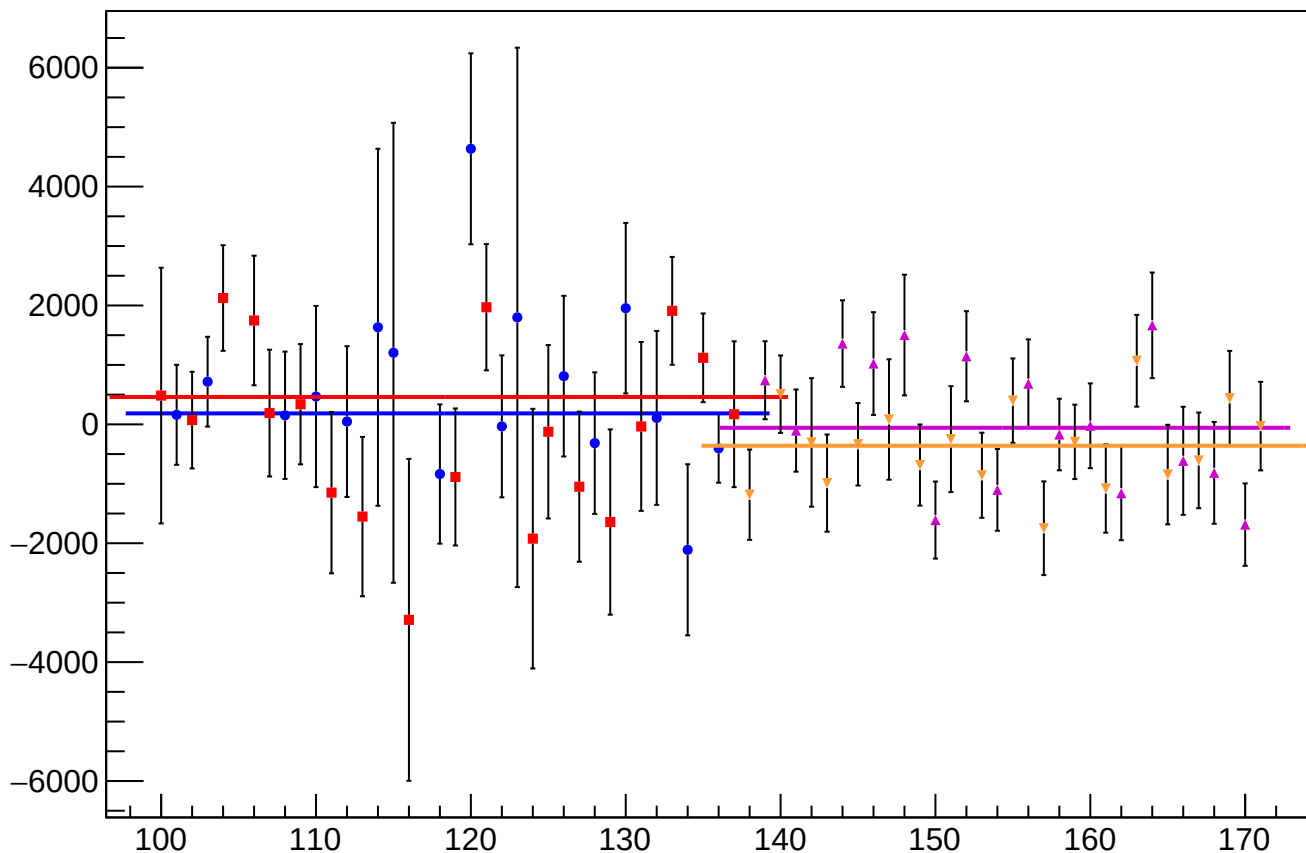
Right: 684.478 $\pm$ 0.134 χ^2 /NDF: 1359576.7/35

In: 658.125 $\pm$ 0.108 χ^2 /NDF:1084367.1/32

Out: 656.220 $\pm$ 0.104 χ^2 /NDF:961039.4/36

All: 657.133 $\pm$ 0.075 χ^2 /NDF: 2045568.1/69

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2/NDF : 14.9/16

Left Out: -359.511 $\pm$ 180.066 χ^2/NDF :14.7/17

Right Out: 460.174 $\pm$ 262.960 χ^2/NDF : 22.3/18

Left In: -57.313 $\pm$ 186.056 χ^2/NDF :33.2/15

Left: -213.355 $\pm$ 129.392 χ^2/NDF : 49.2/33

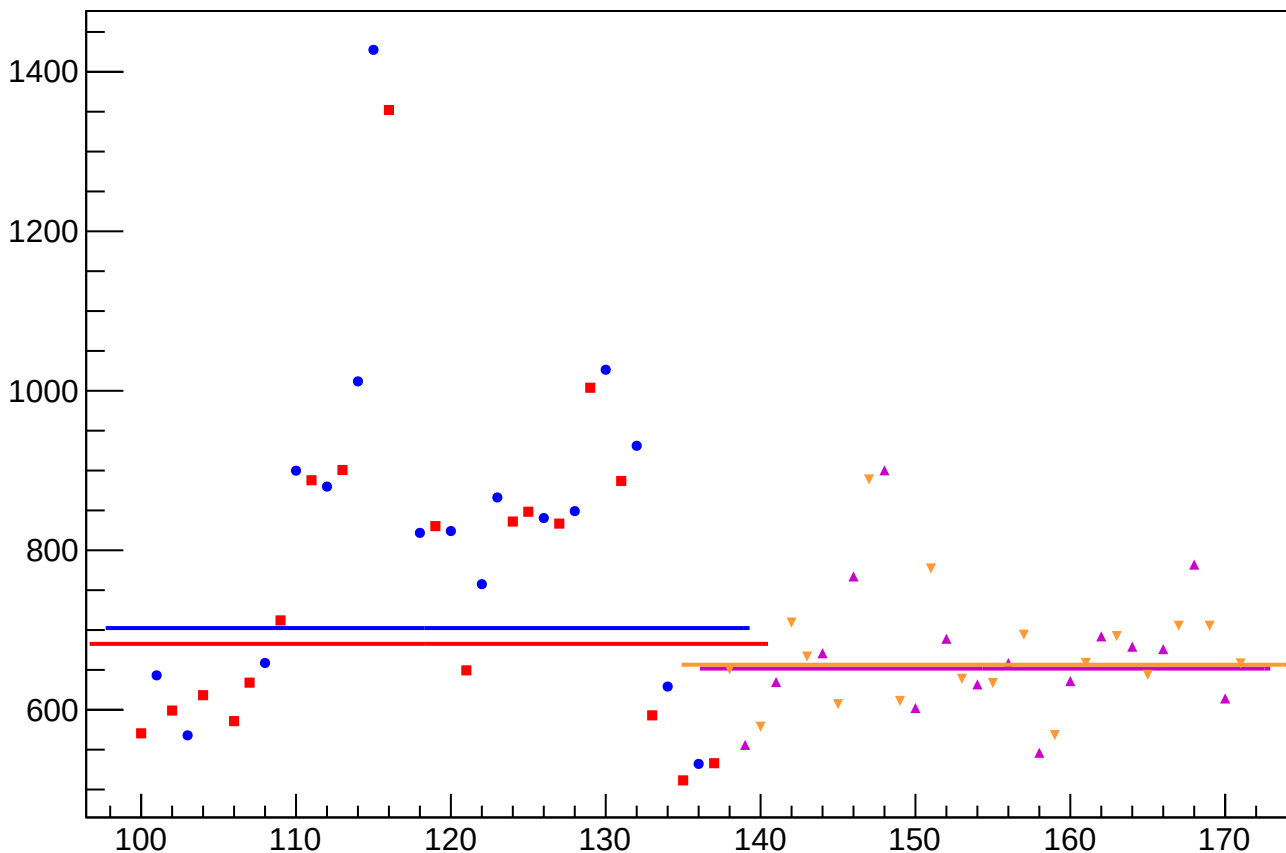
Right: 330.689 $\pm$ 191.486 χ^2/NDF : 37.7/35

In: 16.983 $\pm$ 154.860 χ^2/NDF :48.6/32

Out: -97.851 $\pm$ 148.571 χ^2/NDF :43.6/36

All: -42.813 $\pm$ 107.210 χ^2/NDF : 92.5/69

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 656.547 $\pm$ 0.127 χ^2 /NDF: 262110.4/17

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

Left In: 651.627 $\pm$ 0.132 χ^2 /NDF: 342412.7/15

Left: 654.167 $\pm$ 0.091 χ^2 /NDF: 605245.1/33

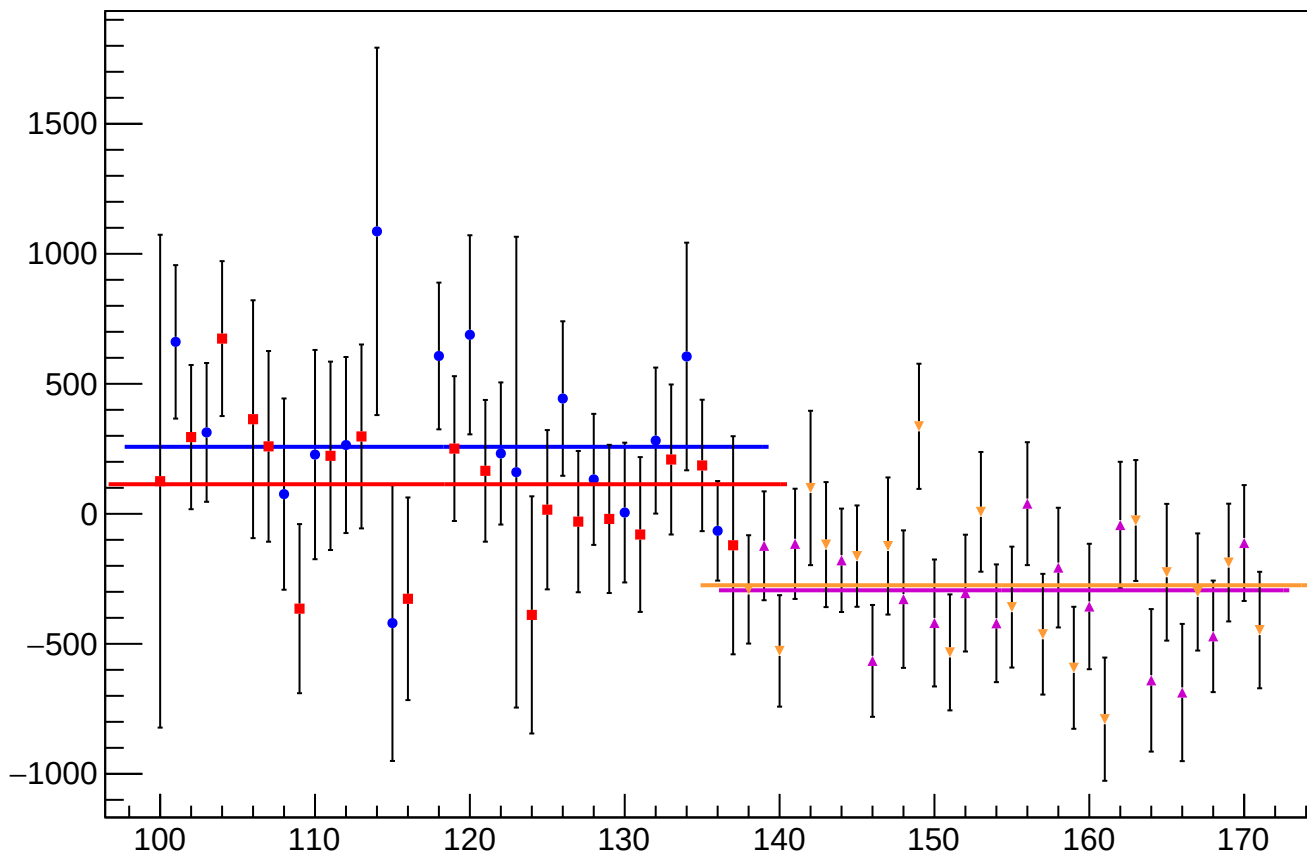
Right: 691.966 $\pm$ 0.135 χ^2 /NDF: 1325377.5/35

In: 667.247 $\pm$ 0.110 χ^2 /NDF: 1048820.1/32

Out: 664.883 $\pm$ 0.105 χ^2 /NDF: 935061.0/36

All: 666.016 $\pm$ 0.076 χ^2 /NDF: 1984123.8/69

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: -274.683 $\pm$ 54.593 χ^2 /NDF:22.6/17

Right Out: 113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

Left In: -294.134 $\pm$ 57.471 χ^2 /NDF:12.3/15

Left: -283.909 $\pm$ 39.582 χ^2 /NDF: 35.0/33

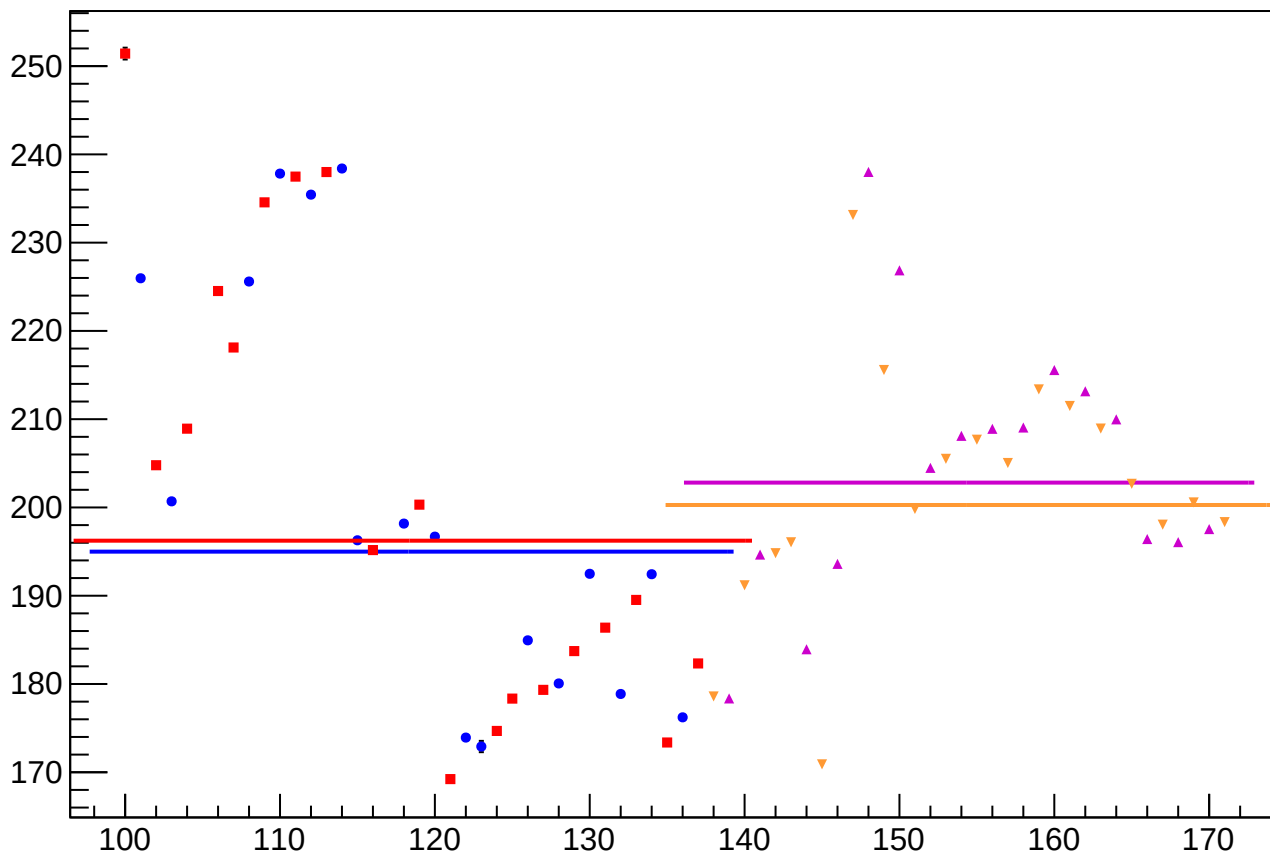
Right: 184.138 $\pm$ 53.073 χ^2 /NDF: 26.1/35

In: -93.136 $\pm$ 45.825 χ^2 /NDF:58.9/32

Out: -138.251 $\pm$ 43.976 χ^2 /NDF:51.7/36

All: -116.622 $\pm$ 31.729 χ^2 /NDF: 111.1/69

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 200.279 ± 0.039 χ^2/NDF : 129079.1/17

Right Out: 196.235 ± 0.052 χ^2/NDF : 173491.6/18

Left In: 202.814 ± 0.041 χ^2/NDF : 125615.2/15

Left: 201.482 ± 0.028 χ^2/NDF : 256740.3/33

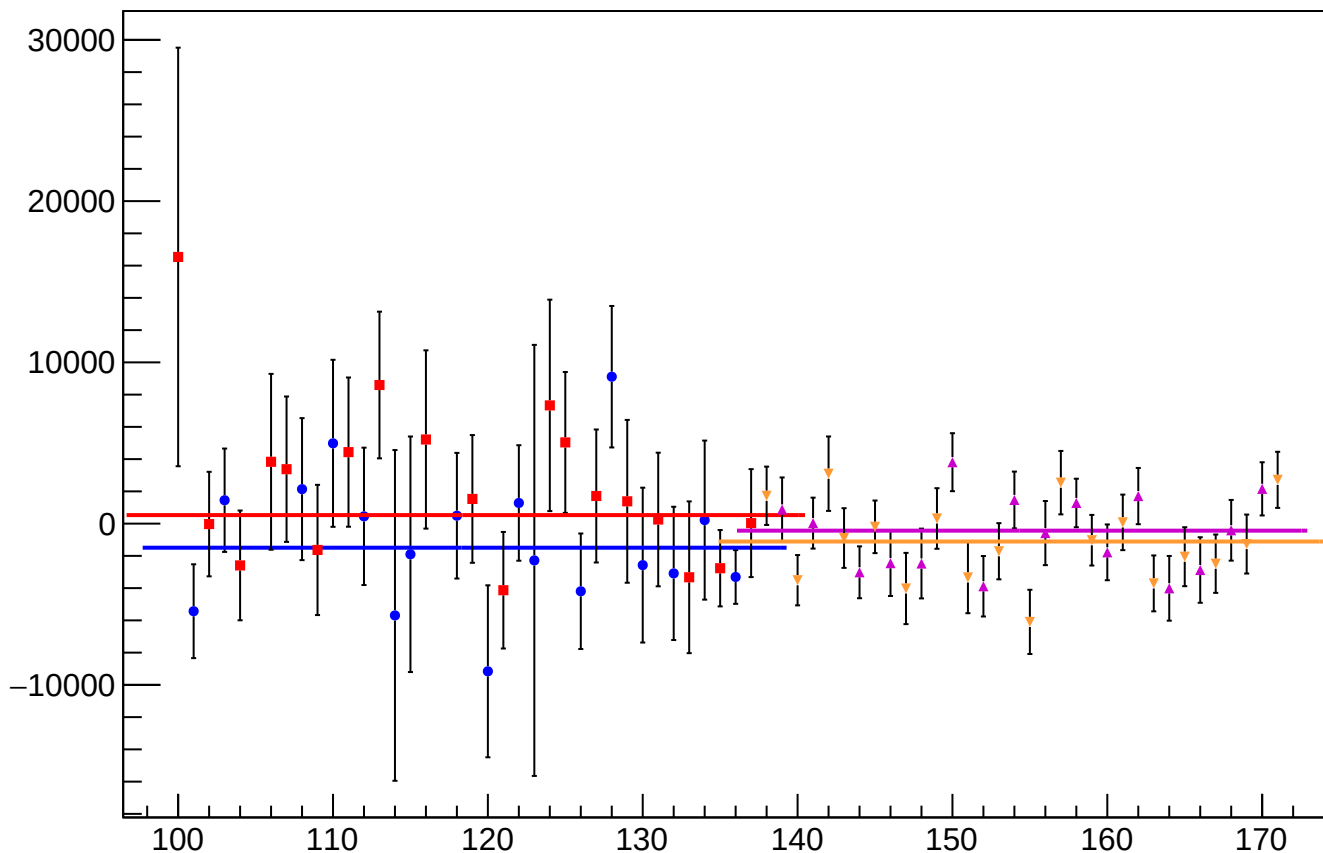
Right: 195.629 ± 0.038 χ^2/NDF : 318035.8/35

In: 199.966 ± 0.032 χ^2/NDF : 283373.0/32

Out: 198.859 ± 0.031 χ^2/NDF : 306424.4/36

All: 199.390 ± 0.022 χ^2/NDF : 590405.1/69

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280+/-910.834 χ^2/NDF : 16.1/16

Left Out: -1109.207+/-429.747 χ^2/NDF : 30.0/17

Right Out: 528.758+/-934.718 χ^2/NDF : 14.6/18

Left In: -435.938+/-451.394 χ^2/NDF : 25.6/15

Left: -789.103+/-311.249 χ^2/NDF : 56.8/33

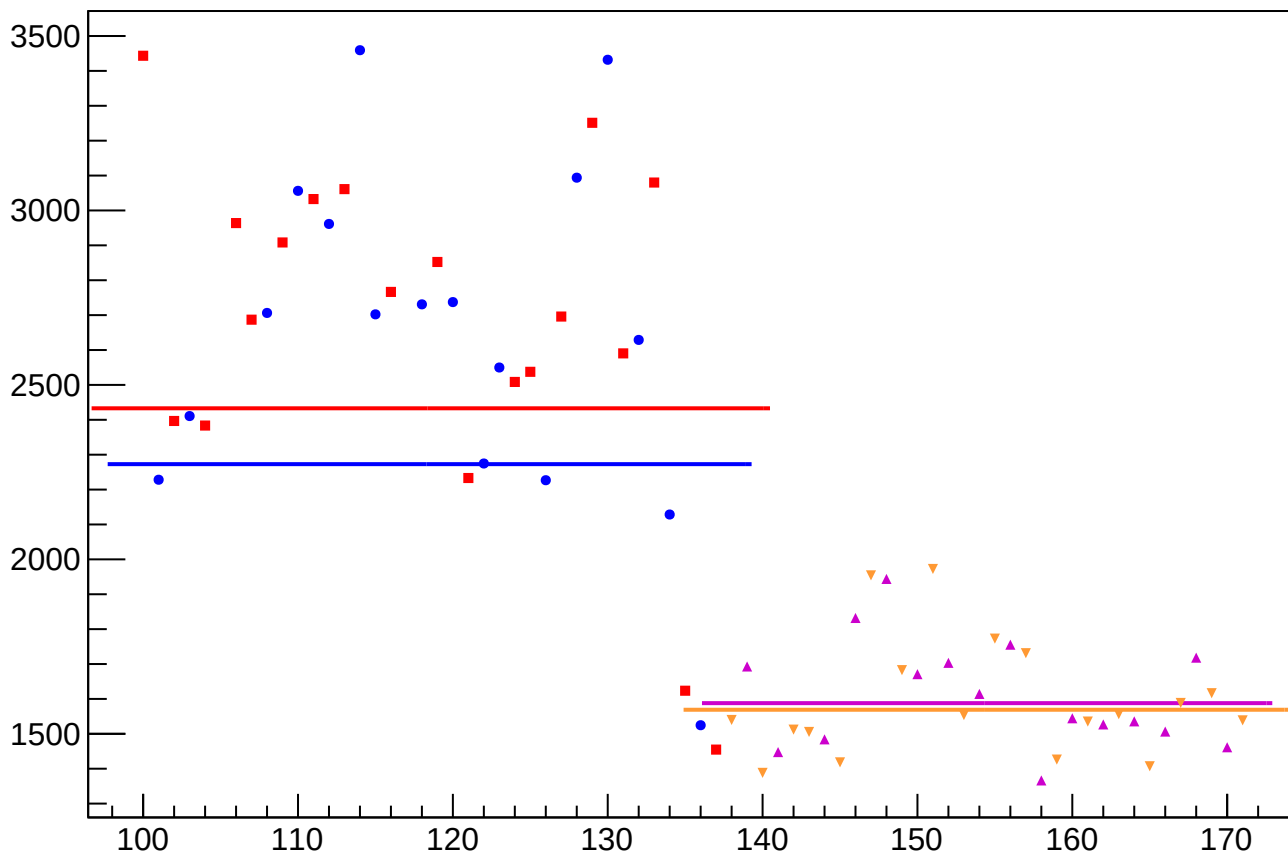
Right: -508.424+/-652.337 χ^2/NDF : 33.2/35

In: -644.421+/-404.451 χ^2/NDF : 42.8/32

Out: -823.390+/-390.457 χ^2/NDF : 47.2/36

All: -737.055+/-280.912 χ^2/NDF : 90.1/69

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1568.960+/-0.304 χ^2/NDF : 252381.9/17

Right Out: 2432.950+/-0.661 χ^2/NDF : 680783.9/18

Left In: 1587.911+/-0.319 χ^2/NDF : 211988.8/15

Left: 1577.970+/-0.220 χ^2/NDF : 466219.8/33

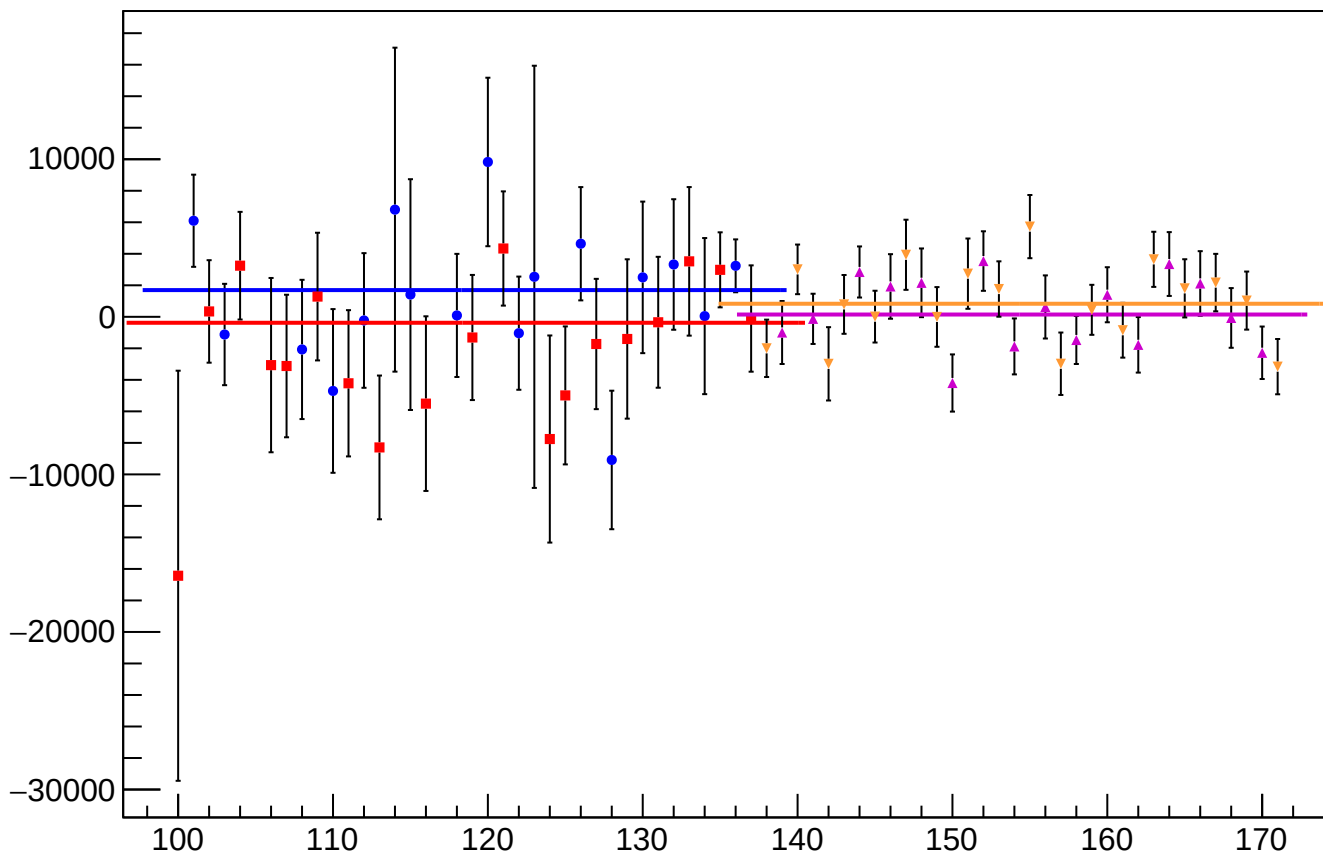
Right: 2350.846+/-0.461 χ^2/NDF : 1516518.2/35

In: 1722.971+/-0.286 χ^2/NDF : 1925706.4/32

Out: 1719.723+/-0.276 χ^2/NDF : 2343770.6/36

All: 1721.290+/-0.199 χ^2/NDF : 4269543.9/69

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 829.747+/-433.374 χ^2/NDF : 29.7/17

Right Out: -377.629+/-938.528 χ^2/NDF : 15.0/18

Left In: 145.582+/-455.241 χ^2/NDF : 23.5/15

Left: 504.490+/-313.887 χ^2/NDF : 54.3/33

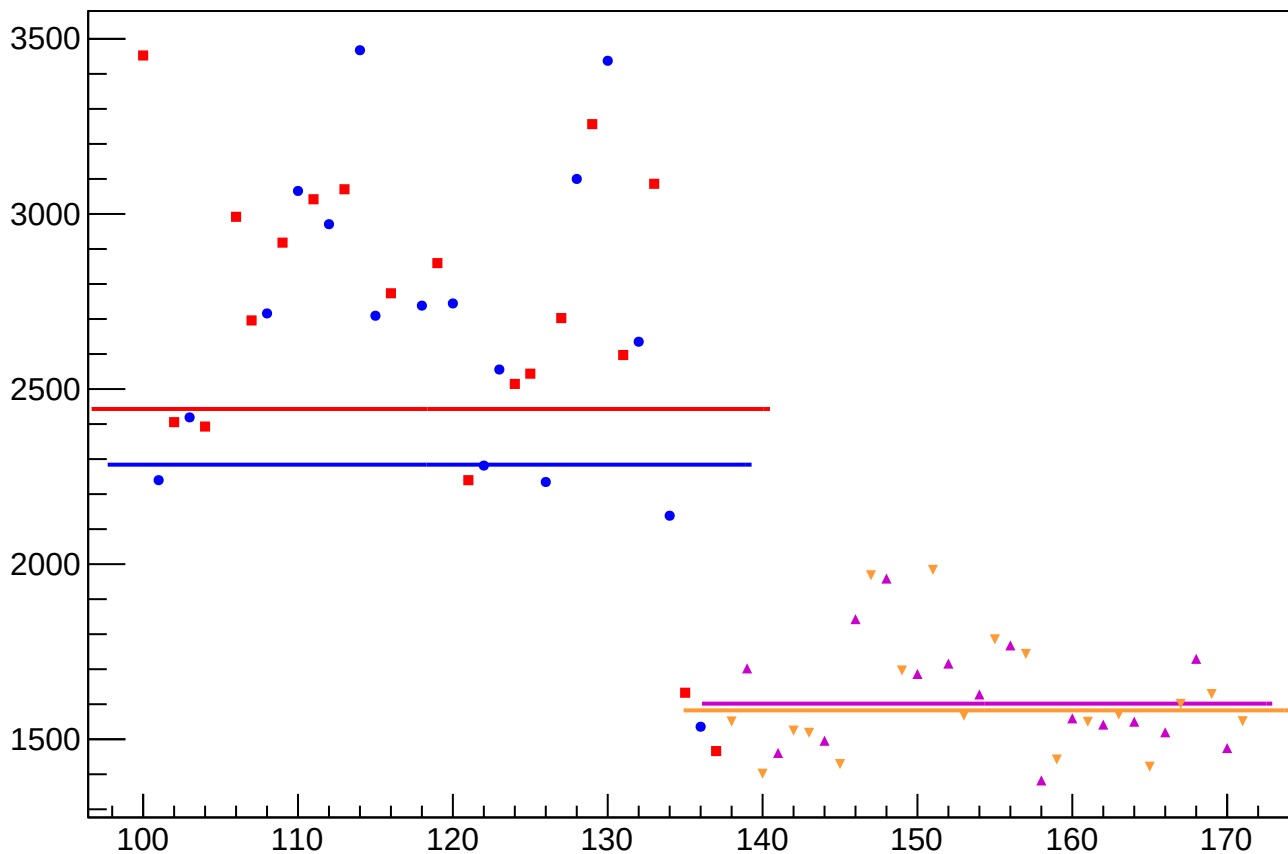
Right: 685.645+/-655.109 χ^2/NDF : 34.1/35

In: 453.286+/-407.569 χ^2/NDF : 42.4/32

Out: 617.553+/-393.453 χ^2/NDF : 46.0/36

All: 538.314+/-283.072 χ^2/NDF : 88.5/69

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1582.463 $\pm$ 0.306 χ^2 /NDF: 247601.8/17

Right Out: 2443.124 $\pm$ 0.664 χ^2 /NDF: 672899.9/18

Left In: 1601.703 $\pm$ 0.322 χ^2 /NDF: 206666.4/15

Left: 1591.610 $\pm$ 0.222 χ^2 /NDF: 456142.3/33

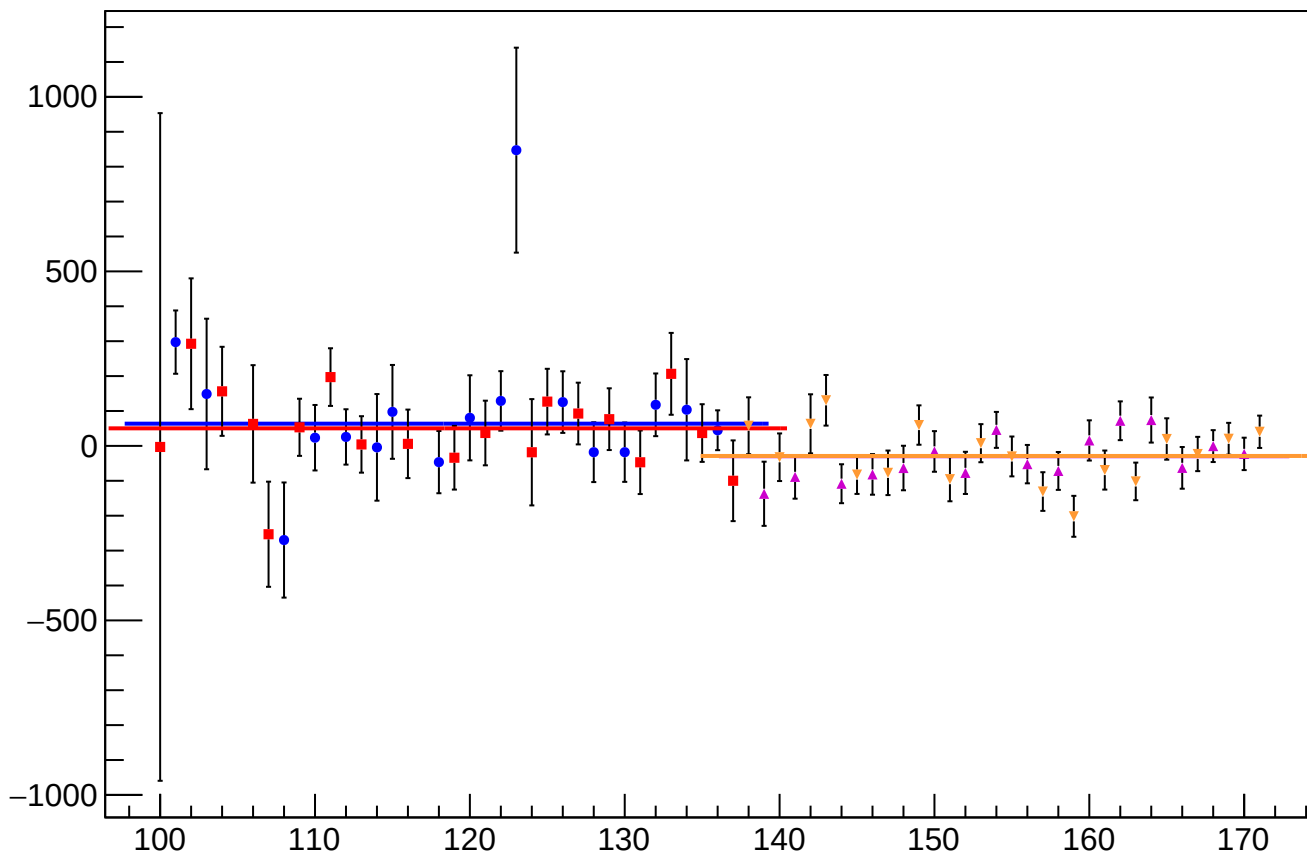
Right: 2361.583 $\pm$ 0.463 χ^2 /NDF: 1496334.9/35

In: 1737.139 $\pm$ 0.288 χ^2 /NDF: 1892575.0/32

Out: 1733.722 $\pm$ 0.278 χ^2 /NDF: 2306809.8/36

All: 1735.371 $\pm$ 0.200 χ^2 /NDF: 4199457.7/69

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -28.850 ± 13.608 χ^2/NDF : 31.2/17

Right Out: 50.278 ± 23.661 χ^2/NDF : 16.8/18

Left In: -29.648 ± 14.227 χ^2/NDF : 16.2/15

Left: -29.232 ± 9.834 χ^2/NDF : 47.4/33

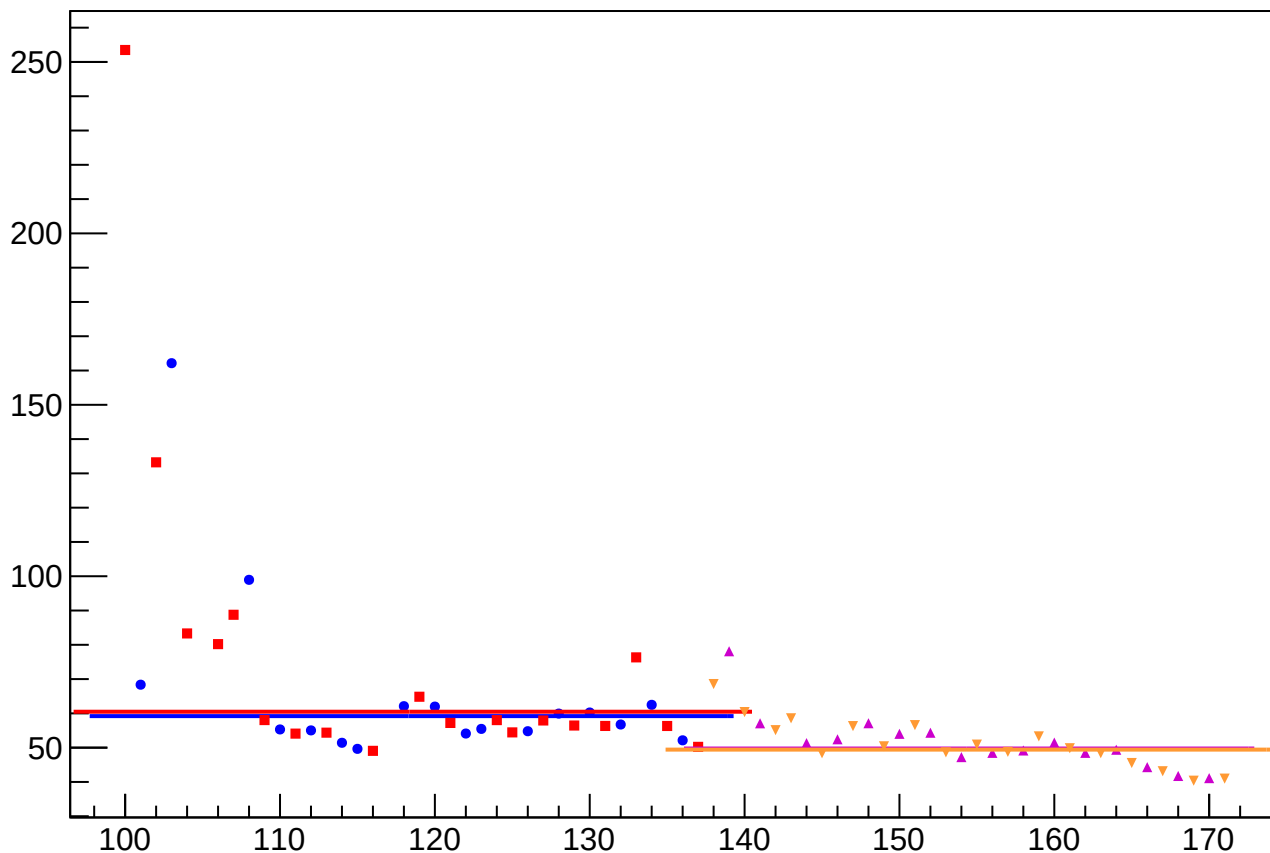
Right: 56.949 ± 16.760 χ^2/NDF : 40.6/35

In: -4.995 ± 12.204 χ^2/NDF : 51.2/32

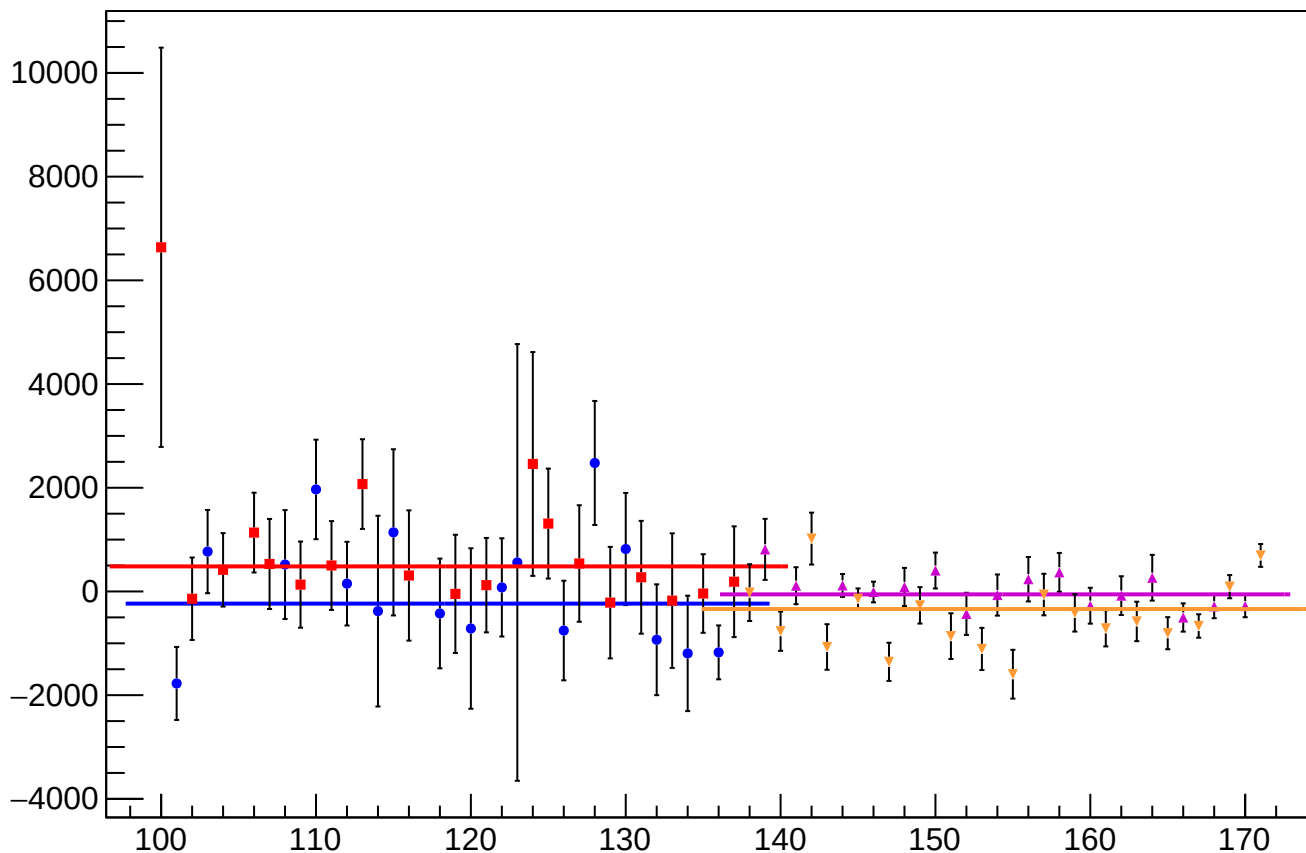
Out: -9.183 ± 11.796 χ^2/NDF : 56.4/36

All: -7.160 ± 8.482 χ^2/NDF : 107.7/69

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 $\chi^2/\text{NDF}: 24.2/16$

Left Out: -339.006 ± 75.405 $\chi^2/\text{NDF}: 64.8/17$

Right Out: 483.305 ± 222.314 $\chi^2/\text{NDF}: 10.6/18$

Left In: -55.977 ± 76.267 $\chi^2/\text{NDF}: 13.3/15$

Left: -199.099 ± 53.622 $\chi^2/\text{NDF}: 85.0/33$

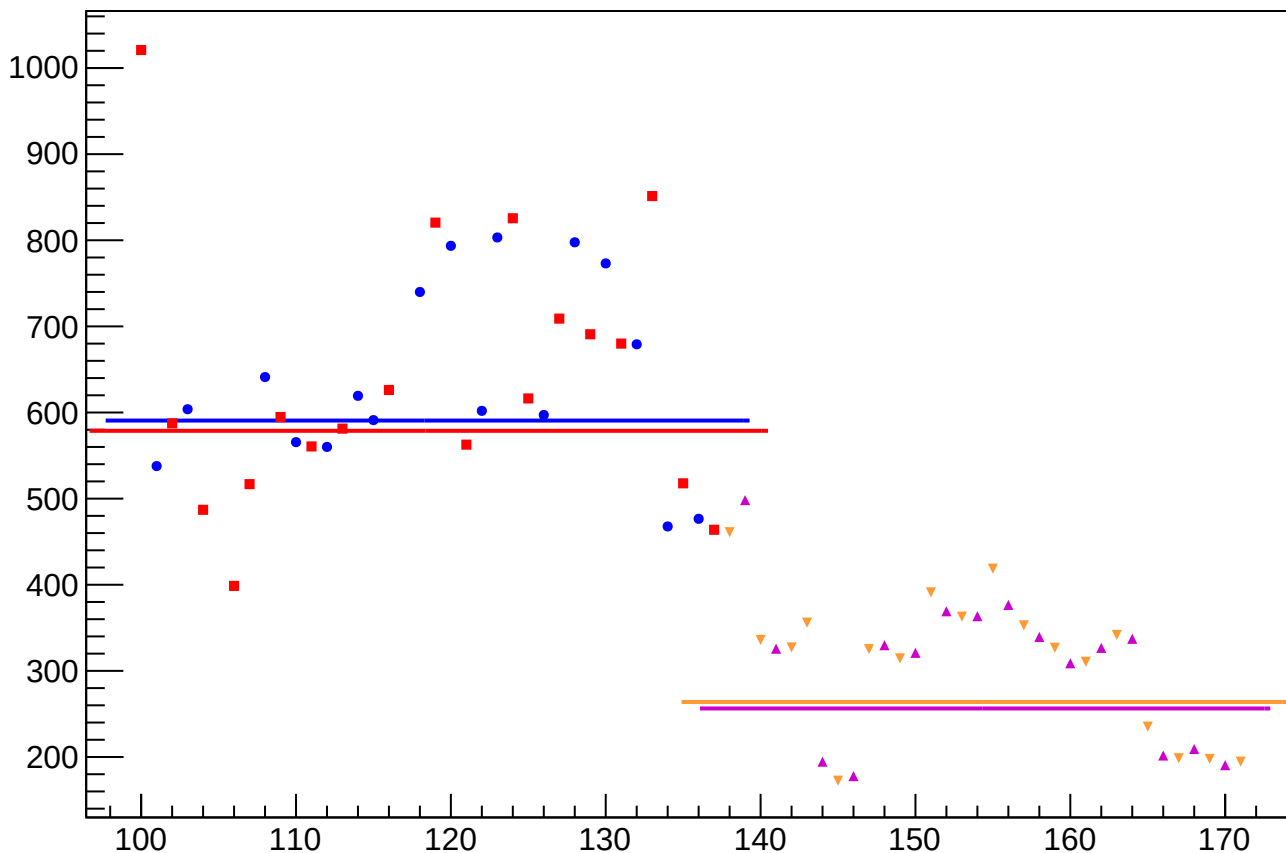
Right: 142.594 ± 161.133 $\chi^2/\text{NDF}: 39.7/35$

In: -73.136 ± 72.509 $\chi^2/\text{NDF}: 38.0/32$

Out: -254.163 ± 71.410 $\chi^2/\text{NDF}: 87.6/36$

All: -165.032 ± 50.878 $\chi^2/\text{NDF}: 128.8/69$

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659 ± 0.165 χ^2/NDF : 352080.1/16

Left Out: 263.881 ± 0.053 χ^2/NDF : 2312180.6/17

Right Out: 578.753 ± 0.157 χ^2/NDF : 493962.7/18

Left In: 256.342 ± 0.054 χ^2/NDF : 2122438.5/15

Left: 260.154 ± 0.038 χ^2/NDF : 4444502.4/33

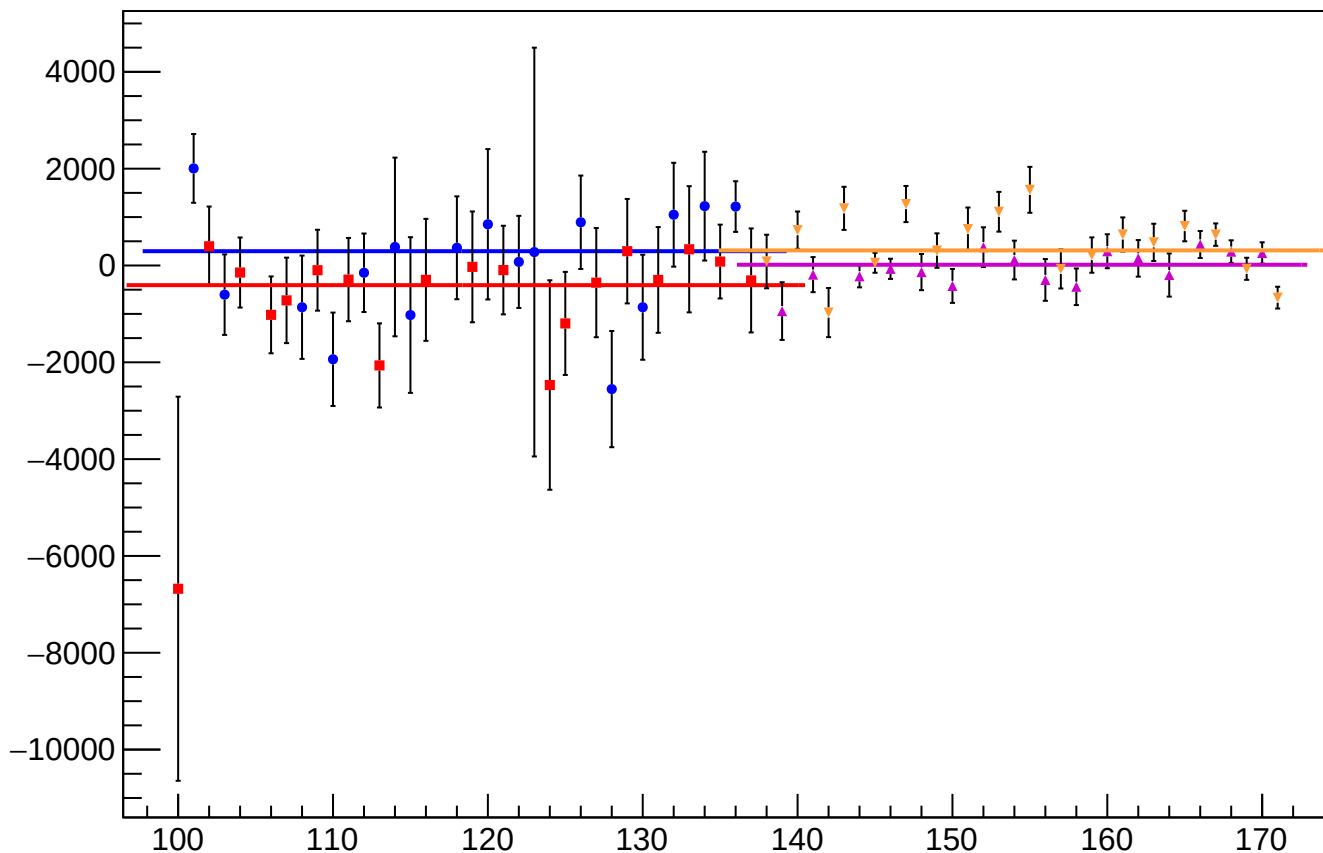
Right: 584.404 ± 0.114 χ^2/NDF : 848765.8/35

In: 288.475 ± 0.051 χ^2/NDF : 6168324.7/32

Out: 296.369 ± 0.050 χ^2/NDF : 6404224.9/36

All: 292.482 ± 0.036 χ^2/NDF : 12584580.7/69

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 311.864 $\pm$ 76.903 χ^2 /NDF:59.5/17

Right Out: -406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

Left In: 15.363 $\pm$ 78.005 χ^2 /NDF:14.5/15

Left: 165.723 $\pm$ 54.764 χ^2 /NDF: 81.3/33

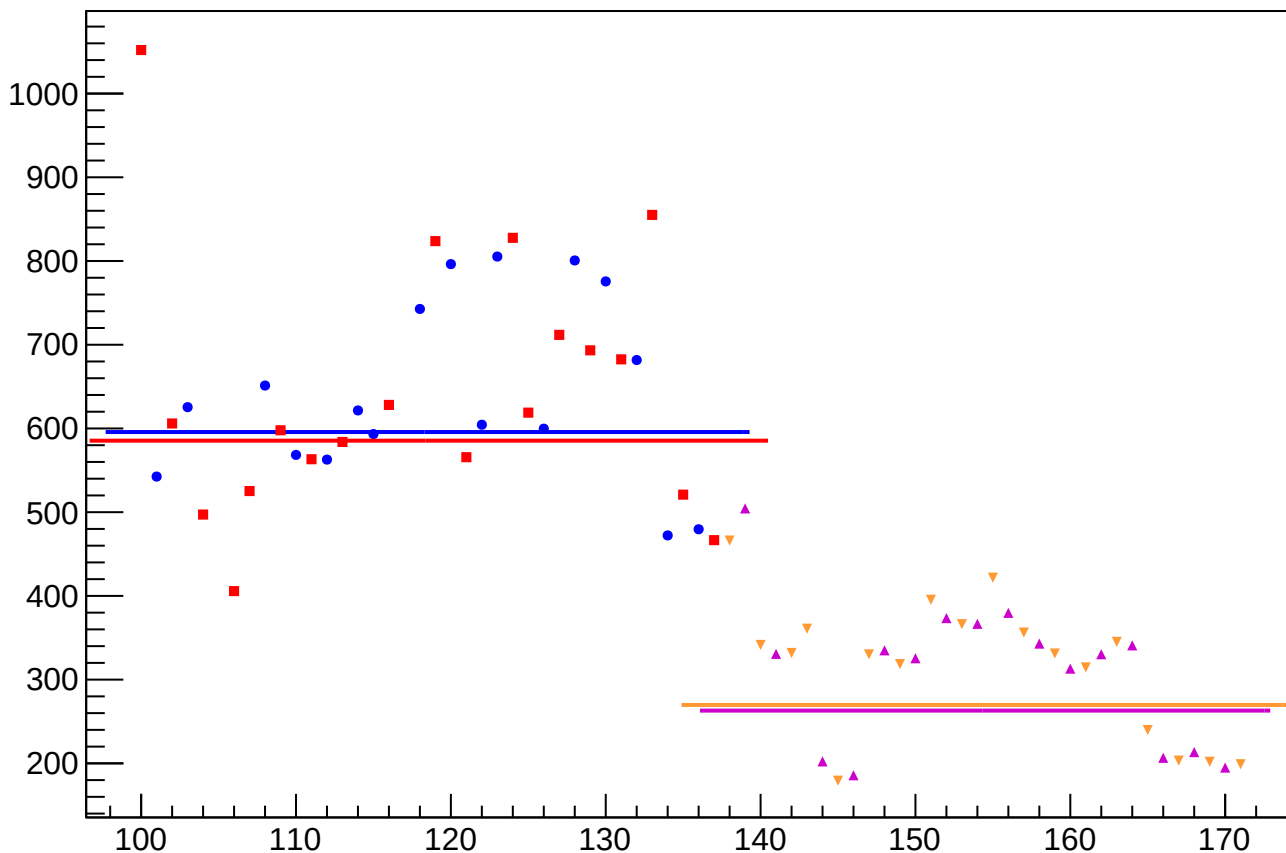
Right: -72.128 $\pm$ 162.748 χ^2 /NDF: 41.7/35

In: 42.973 $\pm$ 74.060 χ^2 /NDF:41.8/32

Out: 236.671 $\pm$ 72.765 χ^2 /NDF:79.6/36

All: 141.530 $\pm$ 51.904 χ^2 /NDF: 124.9/69

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 269.752 $\pm$ 0.054 χ^2 /NDF:2201575.5/17

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

Left In: 263.015 $\pm$ 0.055 χ^2 /NDF:1994085.5/15

Left: 266.432 $\pm$ 0.039 χ^2 /NDF: 4203227.0/33

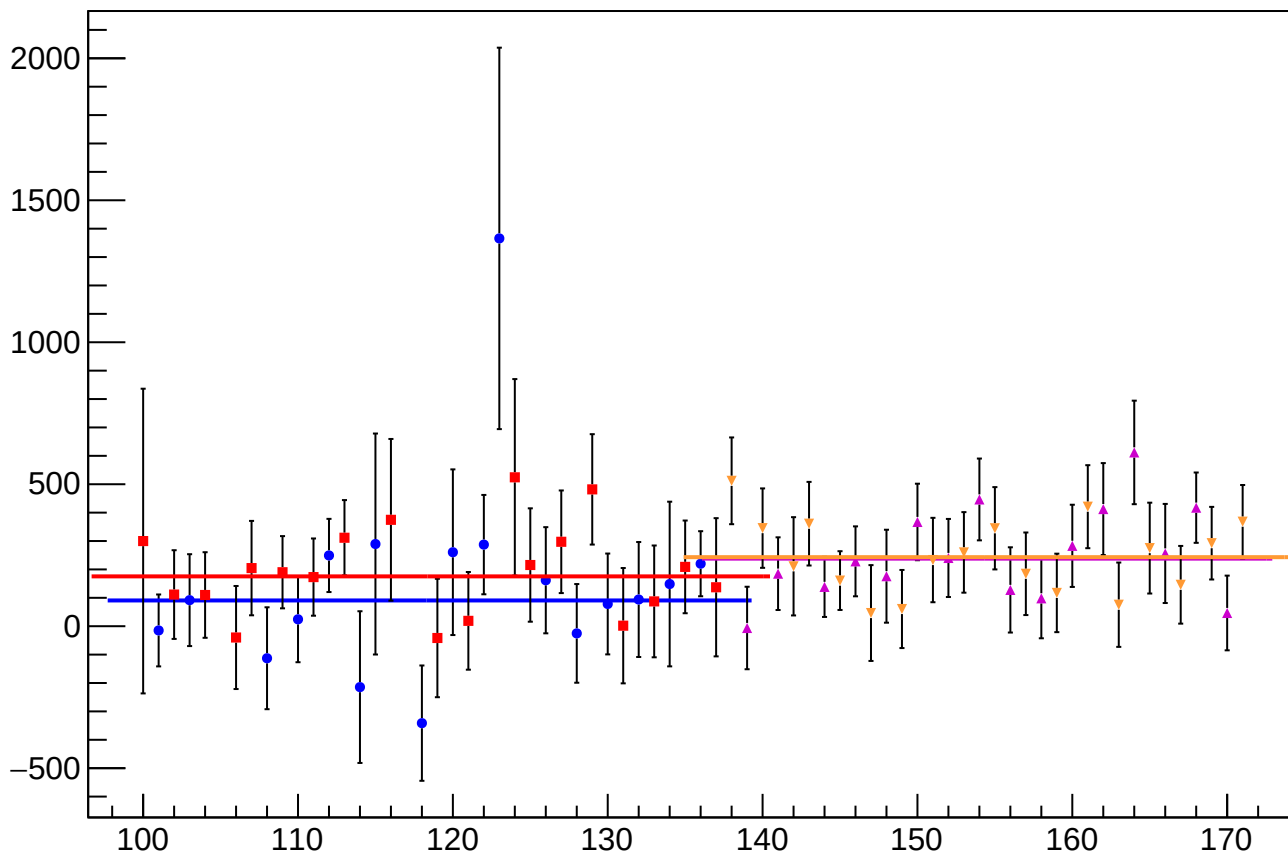
Right: 590.331 $\pm$ 0.115 χ^2 /NDF: 826533.5/35

In: 295.819 $\pm$ 0.052 χ^2 /NDF:5931664.1/32

Out: 302.810 $\pm$ 0.051 χ^2 /NDF:6205014.9/36

All: 299.376 $\pm$ 0.037 χ^2 /NDF: 12145745.8/69

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 243.146+/-33.278 χ^2/NDF :14.0/17

Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18

Left In: 237.992+/-34.840 χ^2/NDF :18.3/15

Left: 240.687+/-24.064 χ^2/NDF : 32.2/33

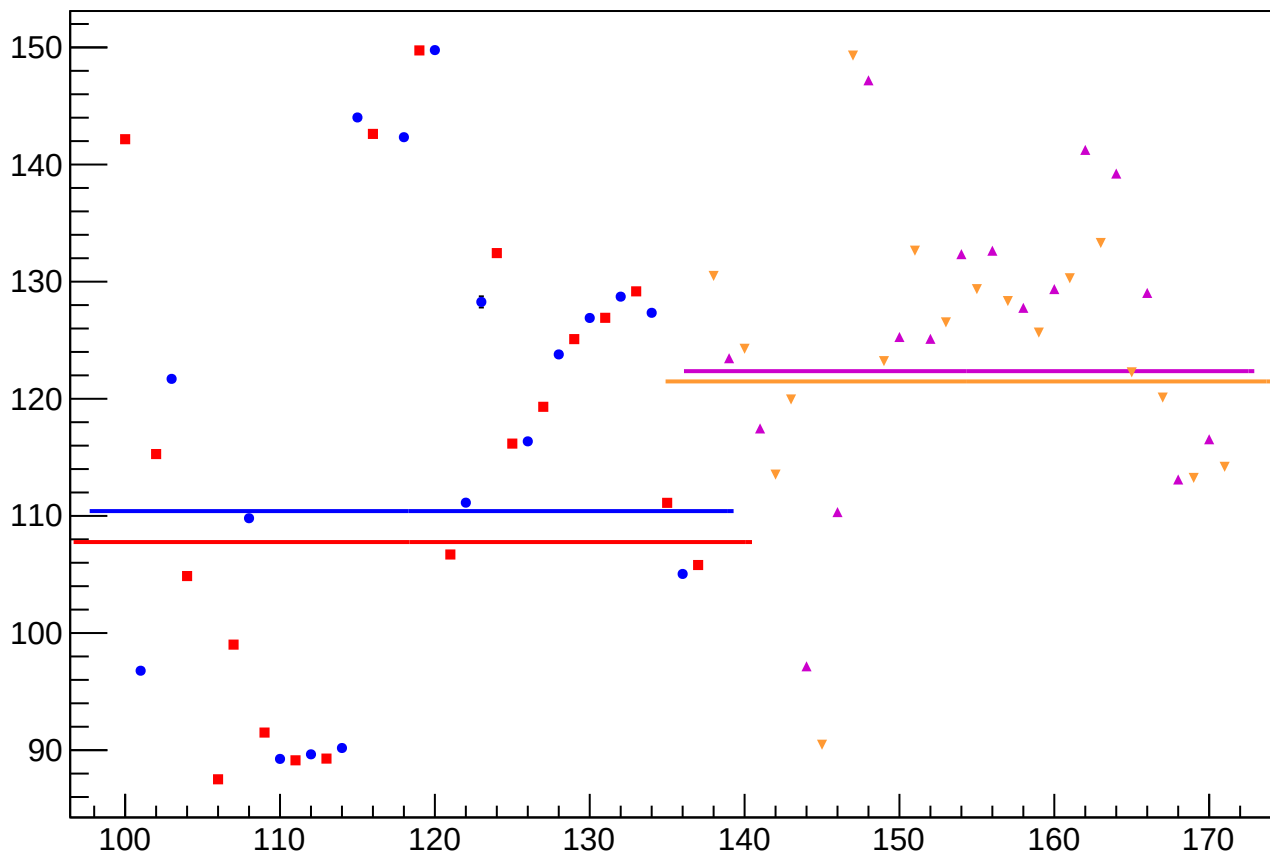
Right: 135.317+/-29.814 χ^2/NDF : 29.2/35

In: 180.132+/-27.147 χ^2/NDF :42.2/32

Out: 216.354+/-25.863 χ^2/NDF :25.9/36

All: 199.120+/-18.726 χ^2/NDF : 69.0/69

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 $\pm$ 0.031 χ^2/NDF : 296425.4/16

Left Out: 121.482 $\pm$ 0.024 χ^2/NDF : 307524.9/17

Right Out: 107.768 $\pm$ 0.029 χ^2/NDF : 344441.4/18

Left In: 122.359 $\pm$ 0.025 χ^2/NDF : 272236.8/15

Left: 121.900 $\pm$ 0.017 χ^2/NDF : 580425.1/33

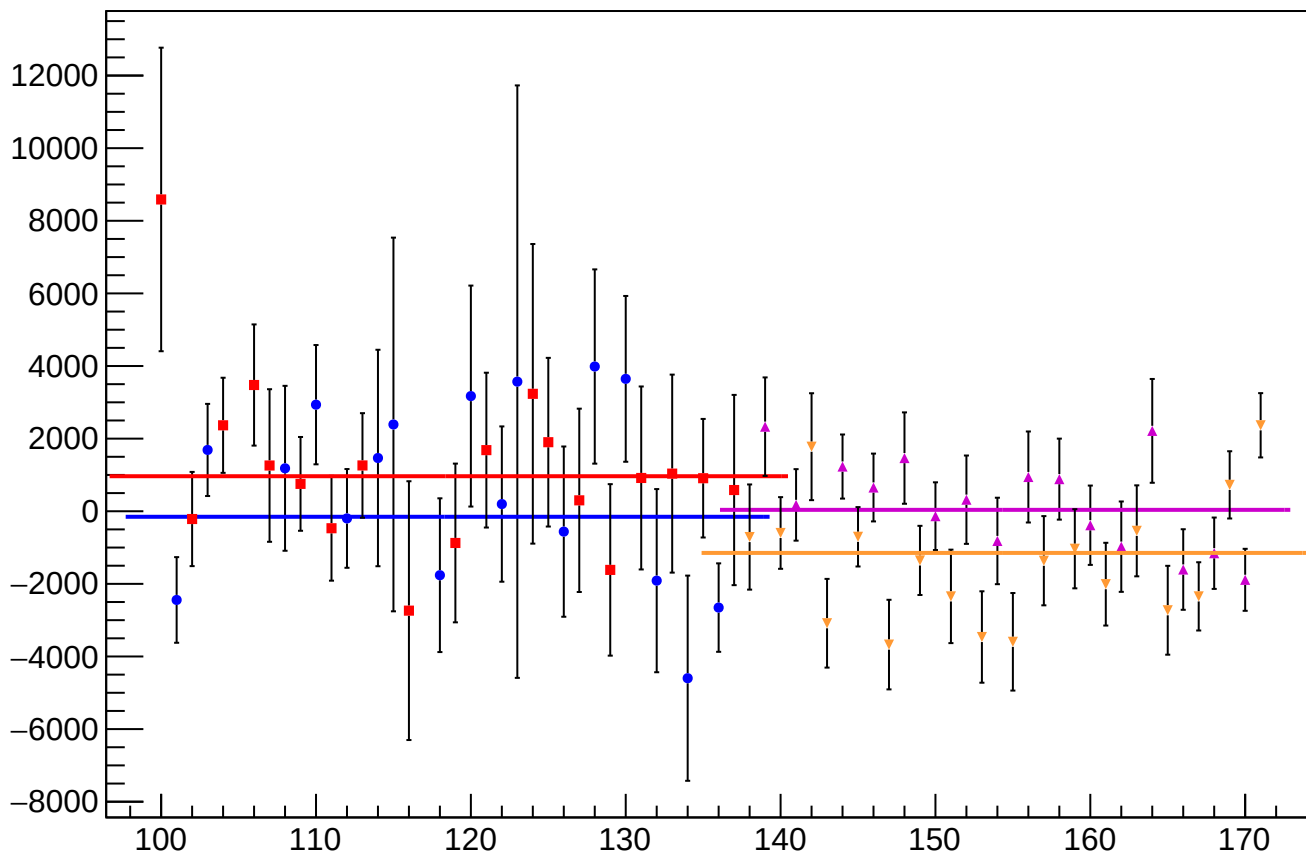
Right: 109.020 $\pm$ 0.021 χ^2/NDF : 644787.1/35

In: 117.666 $\pm$ 0.019 χ^2/NDF : 661066.3/32

Out: 116.051 $\pm$ 0.018 χ^2/NDF : 786463.7/36

All: 116.819 $\pm$ 0.013 χ^2/NDF : 1451236.4/69

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 ± 464.753 $\chi^2/\text{NDF}: 24.7/16$

Left Out: -1147.757 ± 259.681 $\chi^2/\text{NDF}: 43.0/17$

Right Out: 964.716 ± 435.111 $\chi^2/\text{NDF}: 12.3/18$

Left In: 38.575 ± 269.191 $\chi^2/\text{NDF}: 20.0/15$

Left: -575.916 ± 186.894 $\chi^2/\text{NDF}: 73.0/33$

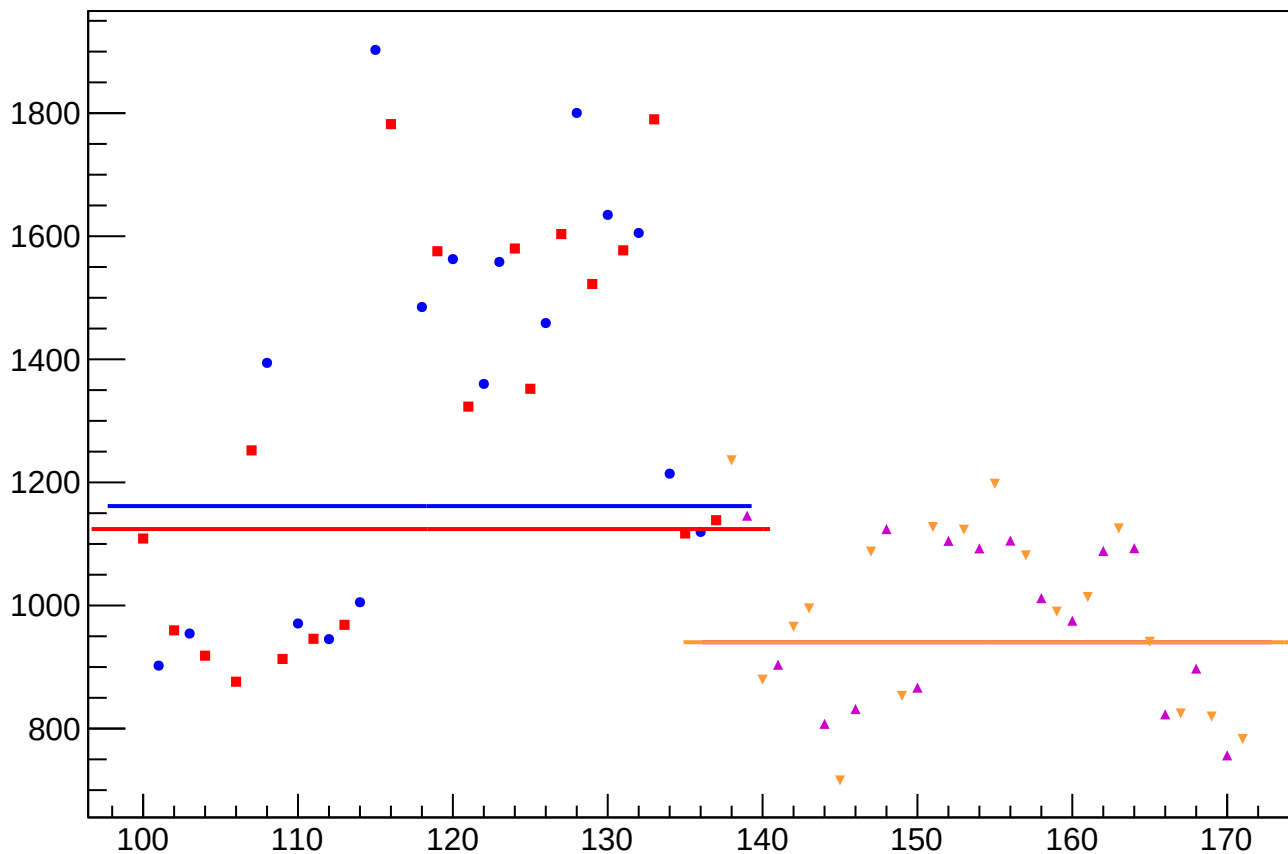
Right: 442.914 ± 317.632 $\chi^2/\text{NDF}: 40.0/35$

In: -9.400 ± 232.938 $\chi^2/\text{NDF}: 44.8/32$

Out: -592.940 ± 222.987 $\chi^2/\text{NDF}: 72.6/36$

All: -313.900 ± 161.079 $\chi^2/\text{NDF}: 120.7/69$

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 940.333 $\pm$ 0.184 χ^2 /NDF: 659329.0/17

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

Left In: 940.364 $\pm$ 0.190 χ^2 /NDF: 460679.9/15

Left: 940.348 $\pm$ 0.132 χ^2 /NDF: 1120008.9/33

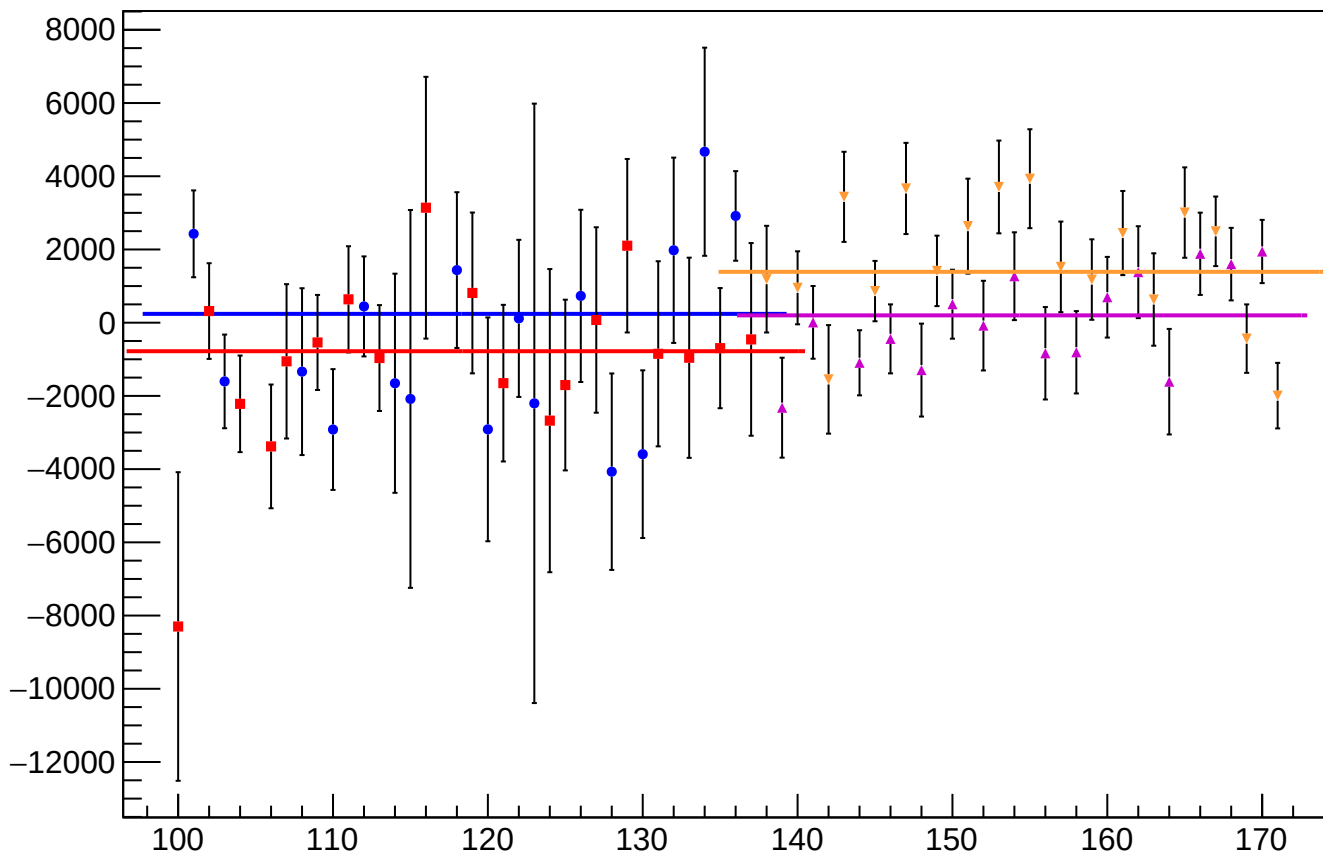
Right: 1141.655 $\pm$ 0.225 χ^2 /NDF: 1470560.5/35

In: 995.923 $\pm$ 0.165 χ^2 /NDF: 1495730.7/32

Out: 988.633 $\pm$ 0.158 χ^2 /NDF: 1690558.5/36

All: 992.119 $\pm$ 0.114 χ^2 /NDF: 3187311.5/69

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1389.374 $\pm$ 261.929 χ^2 /NDF:40.9/17

Right Out: -779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

Left In: 199.864 $\pm$ 271.569 χ^2 /NDF:20.8/15

Left: 816.104 $\pm$ 188.528 χ^2 /NDF: 71.7/33

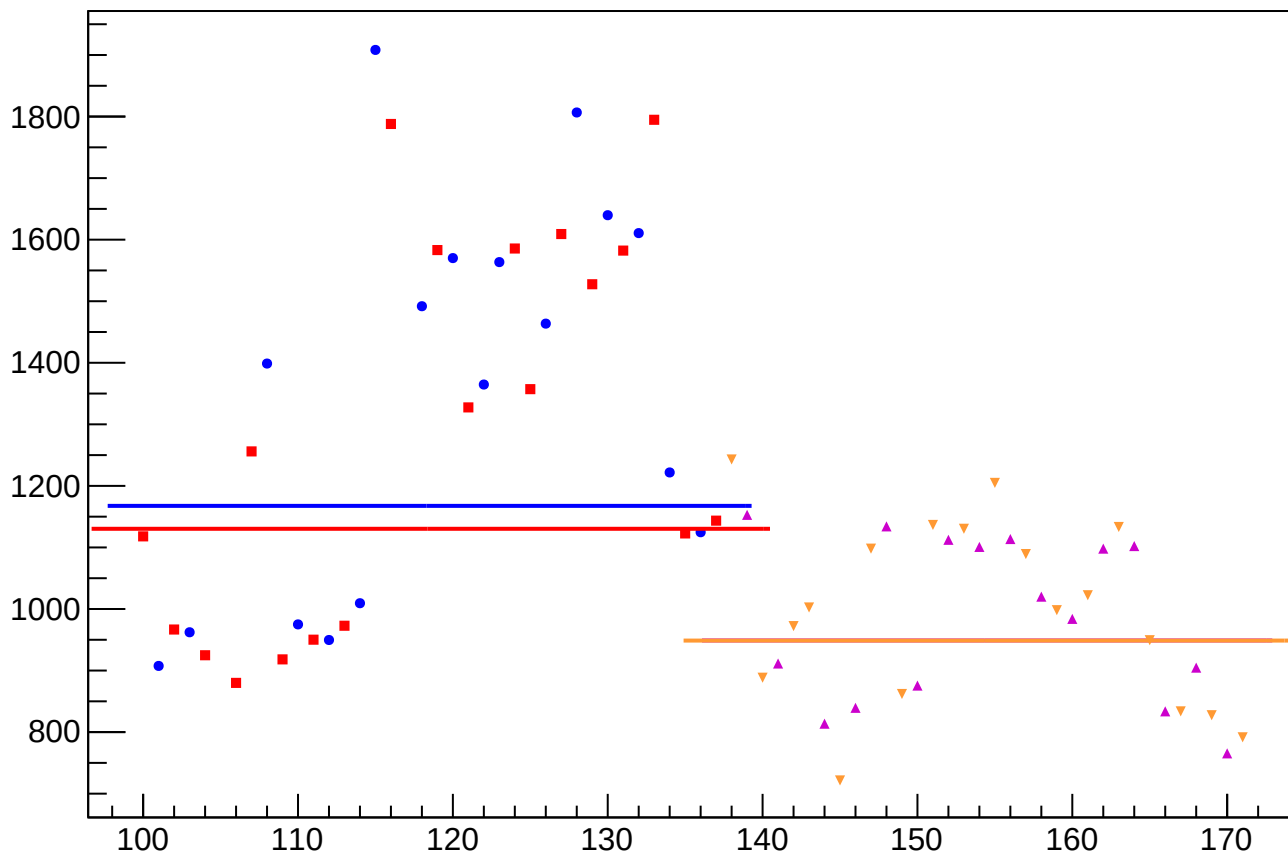
Right: -302.513 $\pm$ 319.286 χ^2 /NDF: 39.7/35

In: 210.190 $\pm$ 234.765 χ^2 /NDF:45.7/32

Out: 817.153 $\pm$ 224.730 χ^2 /NDF:71.3/36

All: 526.921 $\pm$ 162.340 χ^2 /NDF: 120.5/69

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 948.696 $\pm$ 0.185 χ^2 /NDF: 650597.8/17

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

Left In: 948.867 $\pm$ 0.192 χ^2 /NDF: 453418.9/15

Left: 948.778 $\pm$ 0.133 χ^2 /NDF: 1104017.1/33

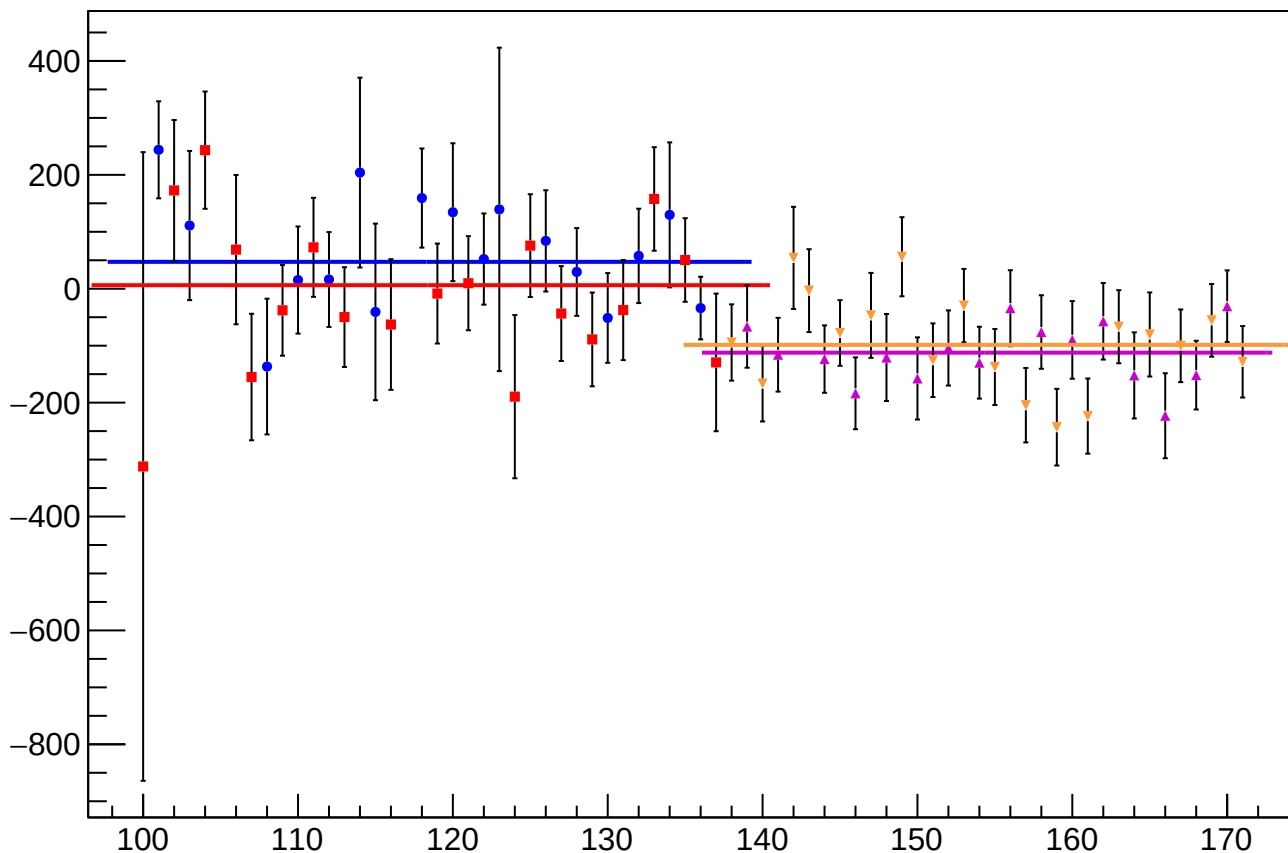
Right: 1147.705 $\pm$ 0.226 χ^2 /NDF: 1458761.3/35

In: 1004.120 $\pm$ 0.166 χ^2 /NDF: 1471563.2/32

Out: 996.616 $\pm$ 0.159 χ^2 /NDF: 1665793.9/36

All: 1000.205 $\pm$ 0.115 χ^2 /NDF: 3138423.4/69

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: -98.615 ± 15.789 $\chi^2/\text{NDF}: 24.7/17$

Right Out: 6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

Left In: -112.223 ± 16.680 $\chi^2/\text{NDF}: 9.3/15$

Left: -105.046 ± 11.467 $\chi^2/\text{NDF}: 34.4/33$

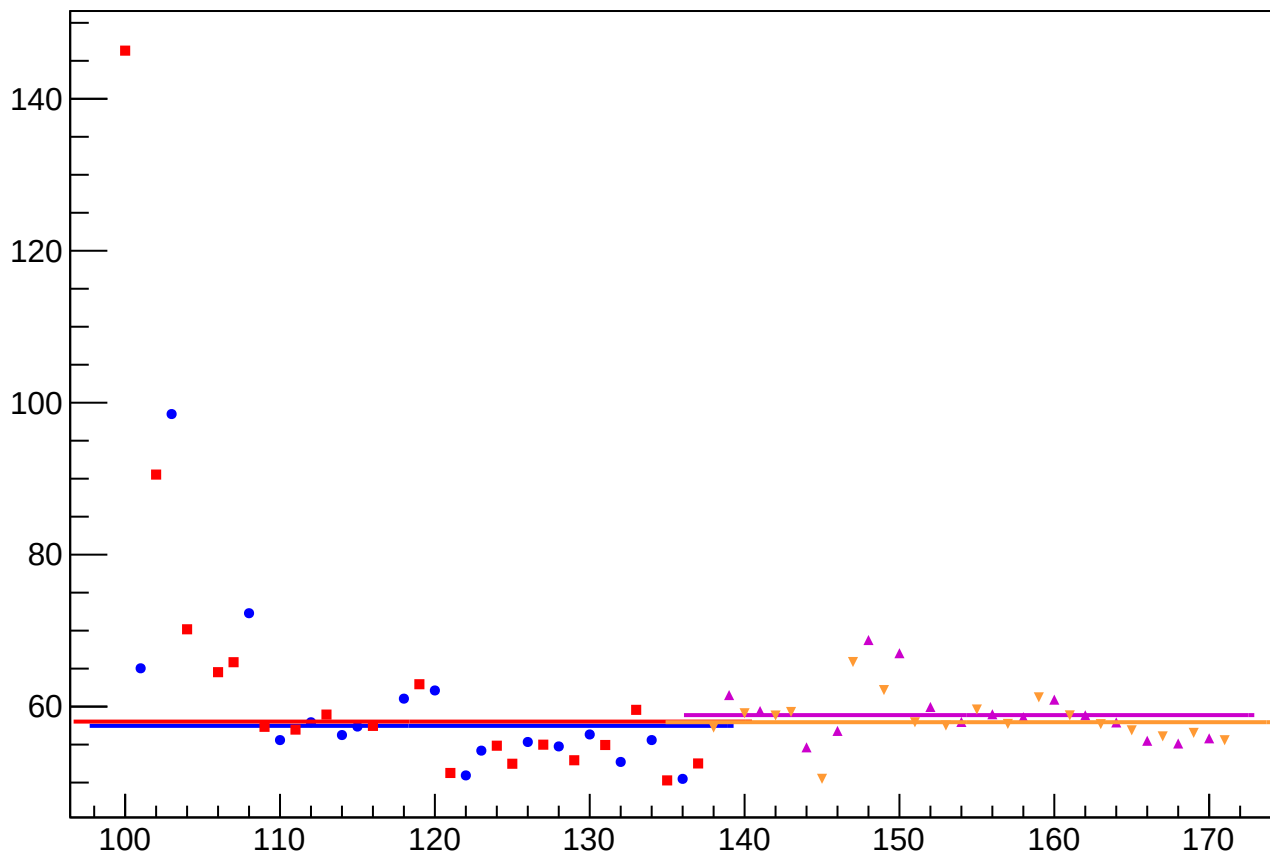
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -55.885 ± 13.413 $\chi^2/\text{NDF}: 57.7/32$

Out: -63.237 ± 12.853 $\chi^2/\text{NDF}: 59.9/36$

All: -59.718 ± 9.280 $\chi^2/\text{NDF}: 117.7/69$

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: 57.947 $\pm$ 0.011 χ^2 /NDF: 77591.8/17

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

Left In: 58.880 $\pm$ 0.012 χ^2 /NDF: 93760.2/15

Left: 58.388 $\pm$ 0.008 χ^2 /NDF: 174650.1/33

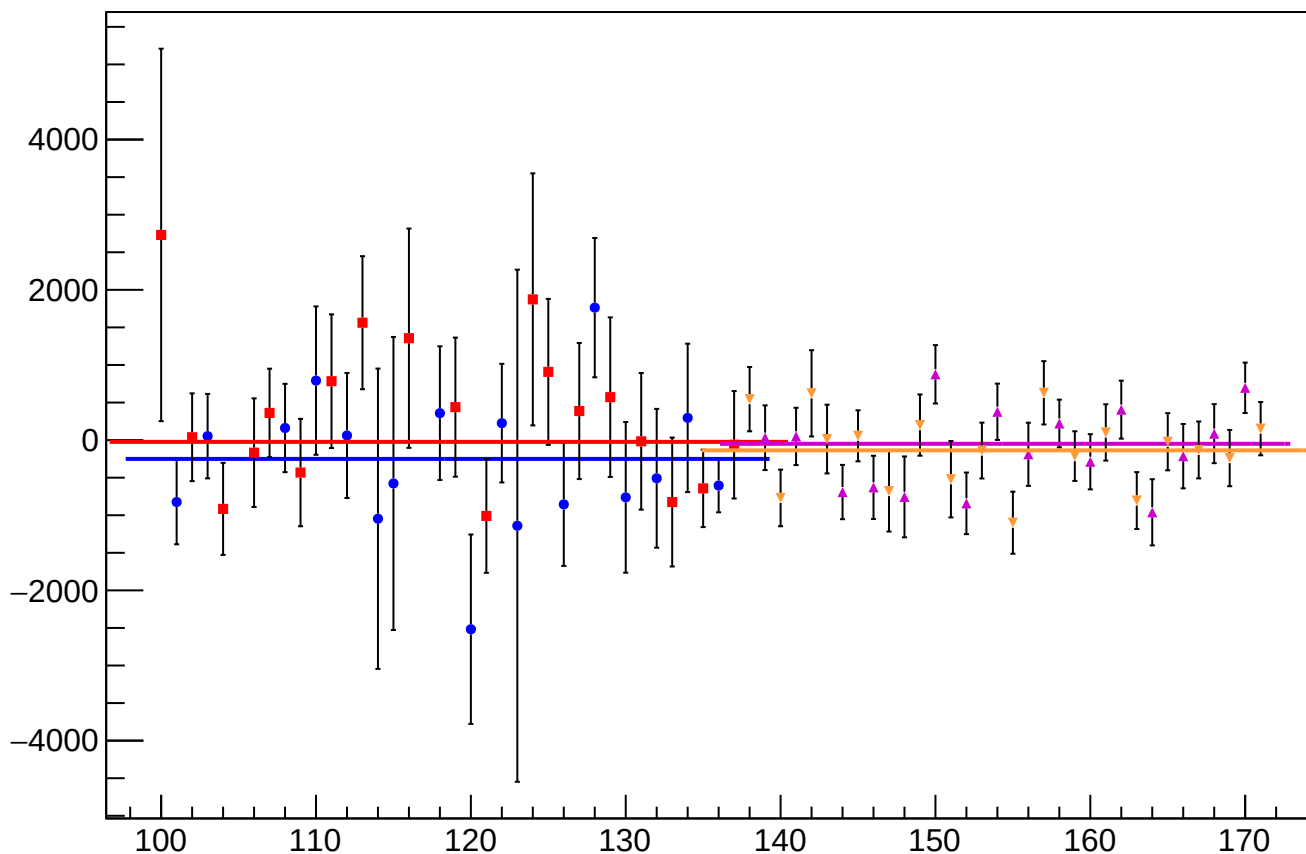
Right: 57.752 $\pm$ 0.011 χ^2 /NDF: 608576.3/35

In: 58.380 $\pm$ 0.009 χ^2 /NDF: 405999.5/32

Out: 57.974 $\pm$ 0.009 χ^2 /NDF: 378397.2/36

All: 58.169 $\pm$ 0.007 χ^2 /NDF: 785351.7/69

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: -136.298+/-93.956 χ^2/NDF : 23.0/17

Right Out: -23.314+/-181.834 χ^2/NDF : 16.1/18

Left In: -49.175+/-97.879 χ^2/NDF : 29.7/15

Left: -94.518+/-67.781 χ^2/NDF : 53.1/33

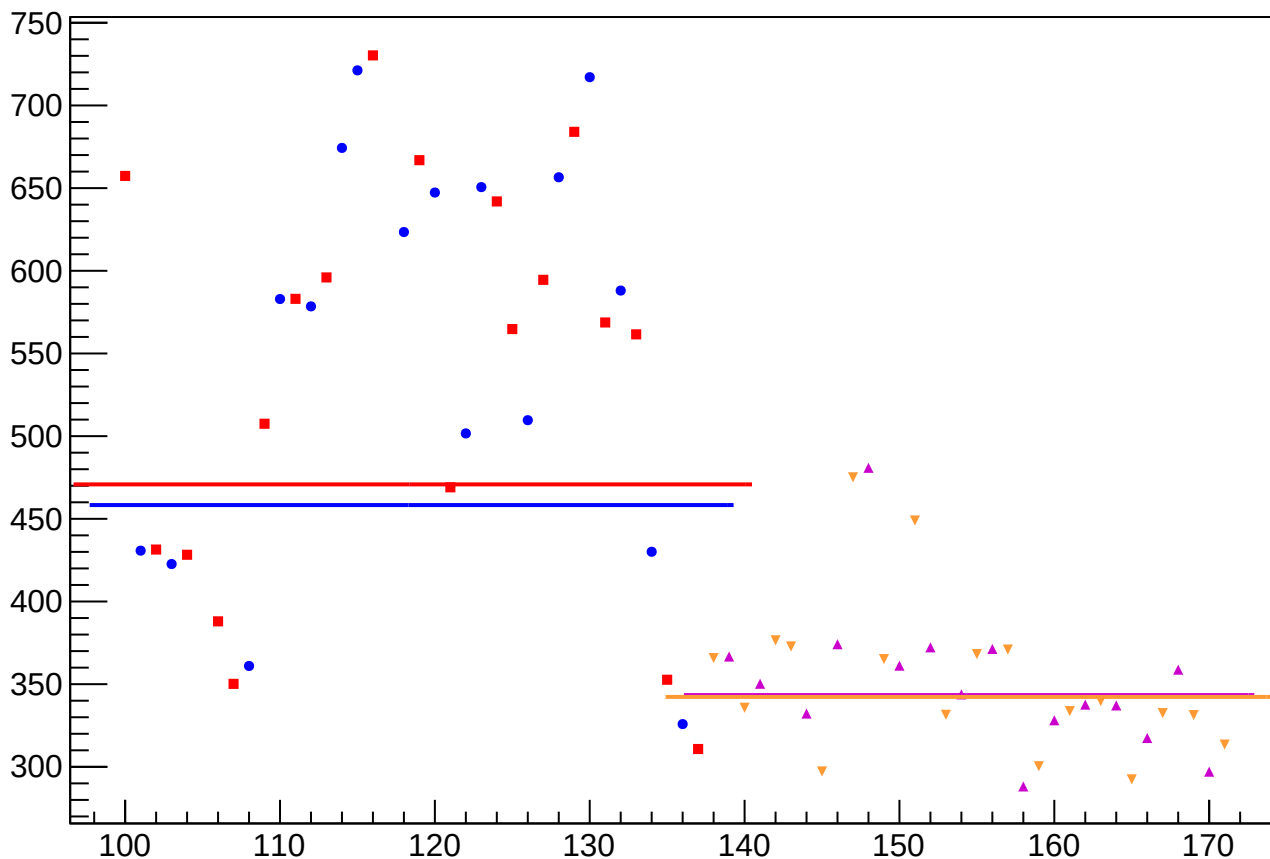
Right: -135.327+/-129.367 χ^2/NDF : 31.1/35

In: -93.465+/-86.423 χ^2/NDF : 44.9/32

Out: -112.489+/-83.471 χ^2/NDF : 39.3/36

All: -103.308+/-60.039 χ^2/NDF : 84.3/69

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 342.303+/-0.066 χ^2/NDF : 376393.6/17

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

Left In: 343.409+/-0.069 χ^2/NDF : 285780.1/15

Left: 342.833+/-0.048 χ^2/NDF : 662306.6/33

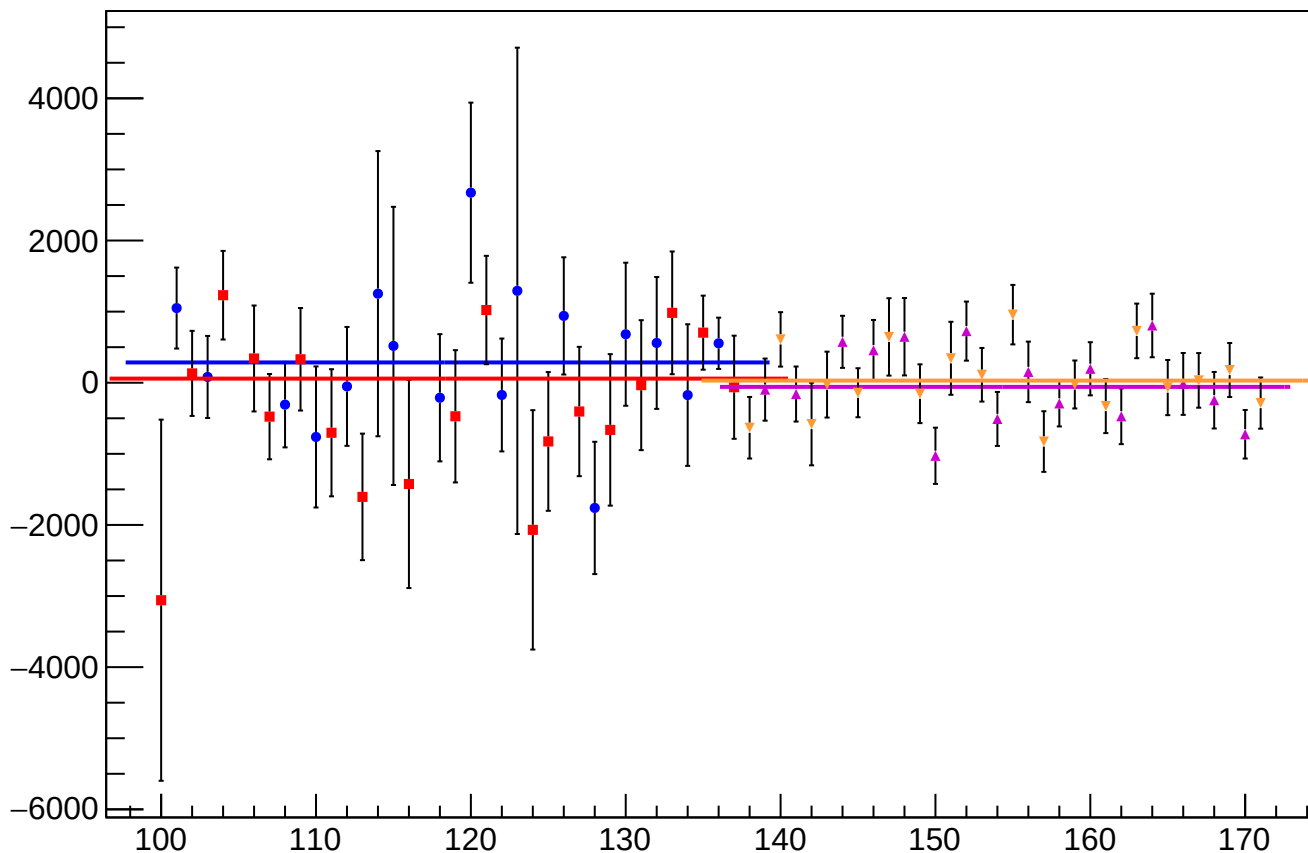
Right: 464.653+/-0.091 χ^2/NDF : 1660506.8/35

In: 368.735+/-0.061 χ^2/NDF : 1770552.3/32

Out: 369.386+/-0.059 χ^2/NDF : 1943668.0/36

All: 369.072+/-0.042 χ^2/NDF : 3714279.2/69

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 ± 186.262 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 30.069 ± 95.344 $\chi^2/\text{NDF}: 22.1/17$

Right Out: 58.001 ± 184.074 $\chi^2/\text{NDF}: 19.2/18$

Left In: -58.306 ± 99.355 $\chi^2/\text{NDF}: 27.3/15$

Left: -12.299 ± 68.793 $\chi^2/\text{NDF}: 49.8/33$

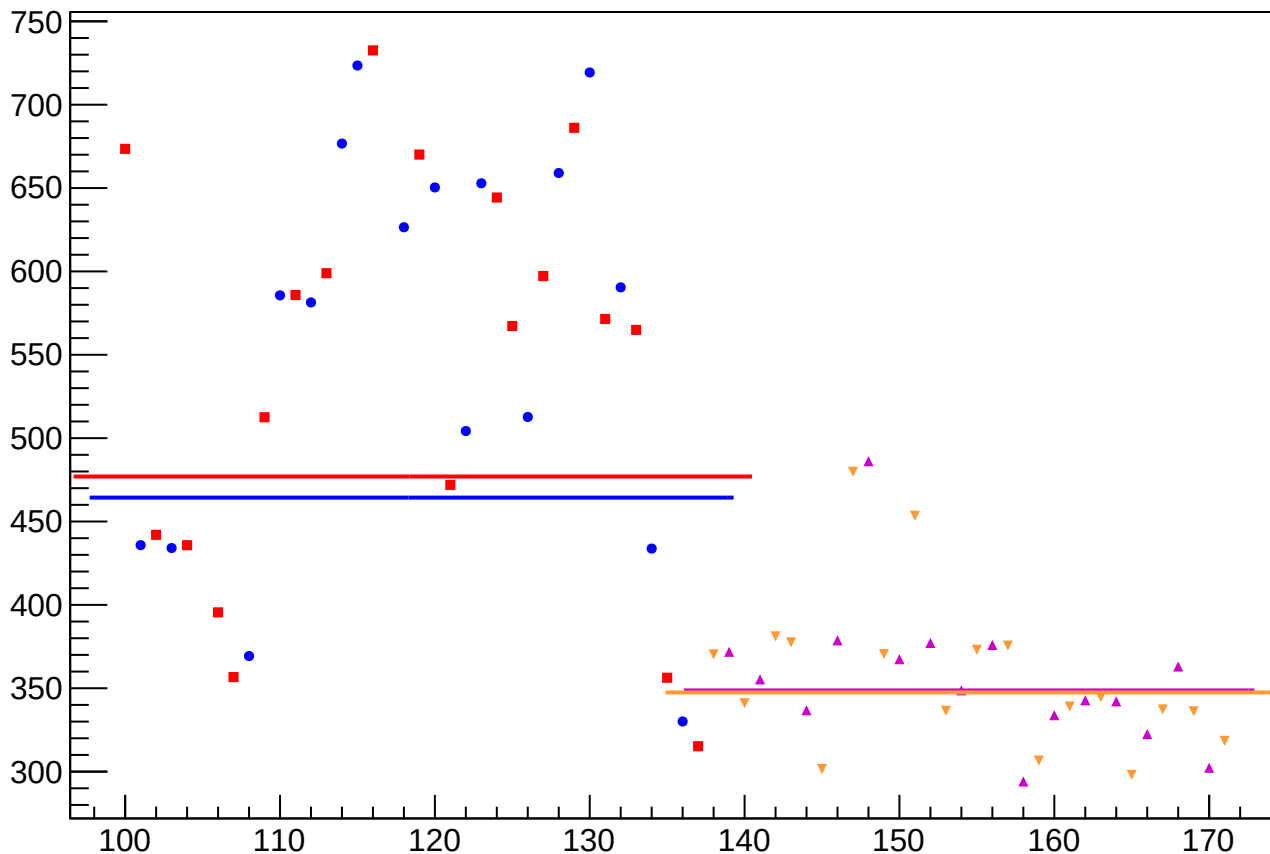
Right: 170.332 ± 130.927 $\chi^2/\text{NDF}: 35.1/35$

In: 17.815 ± 87.663 $\chi^2/\text{NDF}: 45.2/32$

Out: 35.977 ± 84.661 $\chi^2/\text{NDF}: 41.3/36$

All: 27.213 ± 60.898 $\chi^2/\text{NDF}: 86.4/69$

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 ± 0.132 $\chi^2/\text{NDF}: 845900.9/16$

Left Out: 347.481 ± 0.067 $\chi^2/\text{NDF}: 363522.9/17$

Right Out: 476.989 ± 0.130 $\chi^2/\text{NDF}: 749331.1/18$

Left In: 348.693 ± 0.070 $\chi^2/\text{NDF}: 275567.2/15$

Left: 348.062 ± 0.049 $\chi^2/\text{NDF}: 639245.2/33$

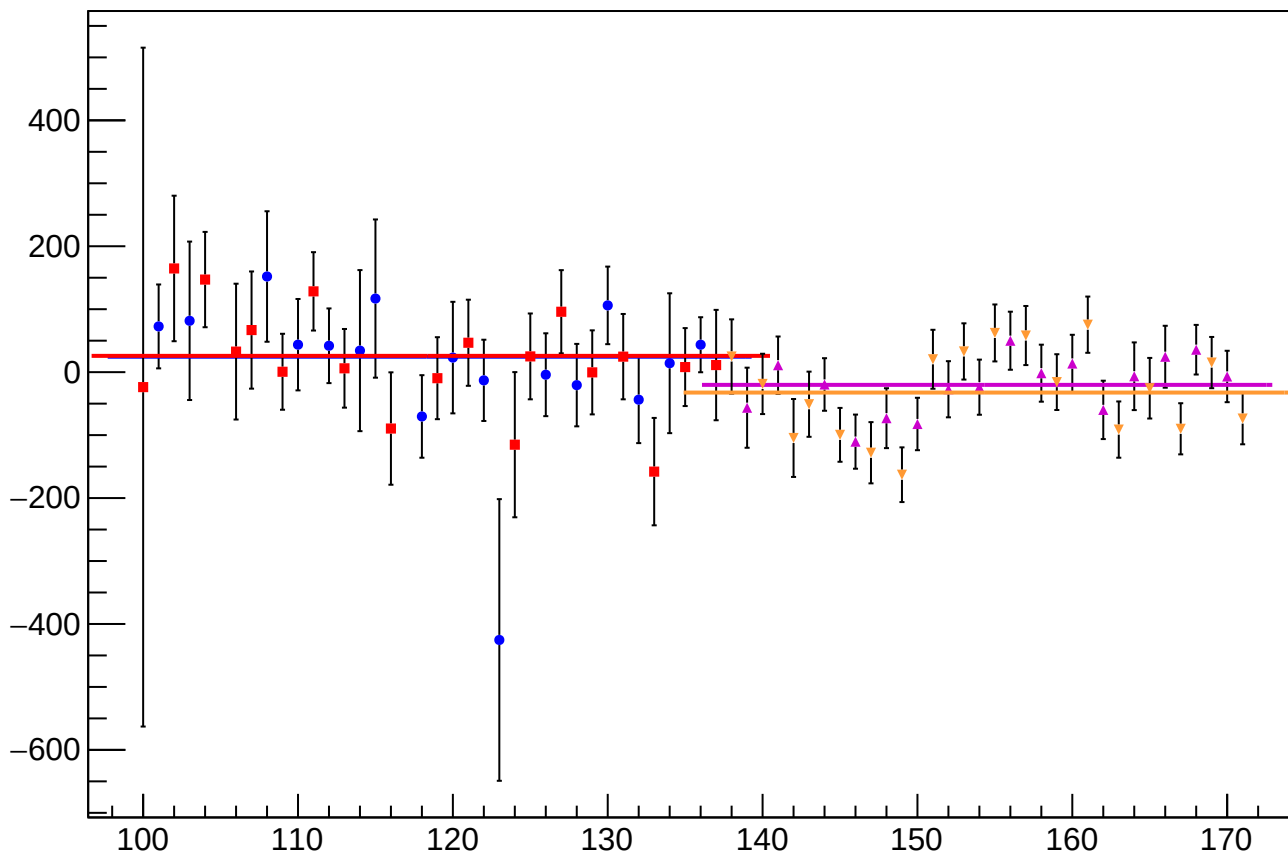
Right: 470.740 ± 0.093 $\chi^2/\text{NDF}: 1599897.5/35$

In: 374.310 ± 0.062 $\chi^2/\text{NDF}: 1721687.4/32$

Out: 374.876 ± 0.060 $\chi^2/\text{NDF}: 1893444.1/36$

All: 374.603 ± 0.043 $\chi^2/\text{NDF}: 3615174.8/69$

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -32.418 ± 10.842 $\chi^2/\text{NDF}: 41.5/17$

Right Out: 25.884 ± 17.386 $\chi^2/\text{NDF}: 16.8/18$

Left In: -20.194 ± 11.328 $\chi^2/\text{NDF}: 15.5/15$

Left: -26.574 ± 7.833 $\chi^2/\text{NDF}: 57.6/33$

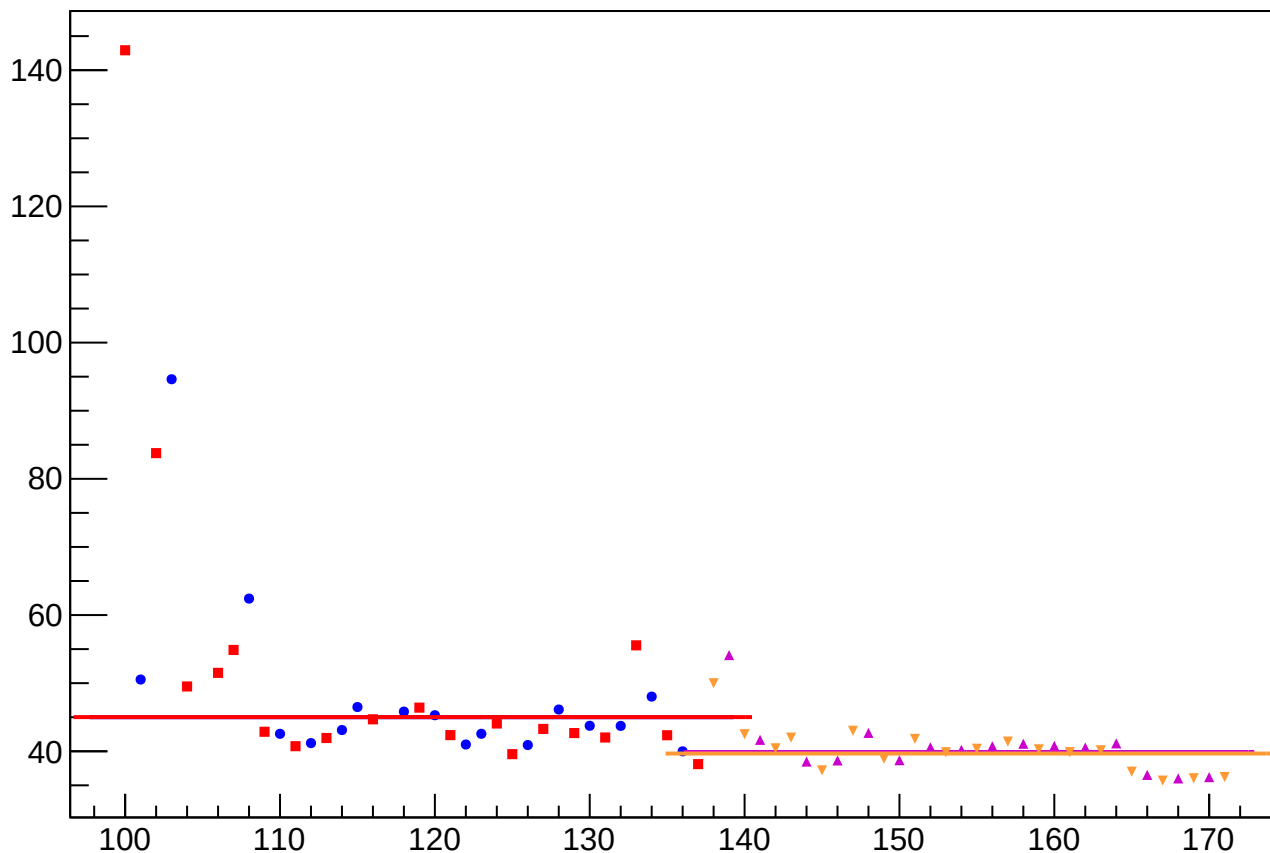
Right: 25.251 ± 12.451 $\chi^2/\text{NDF}: 29.8/35$

In: -7.326 ± 9.563 $\chi^2/\text{NDF}: 33.0/32$

Out: -16.094 ± 9.200 $\chi^2/\text{NDF}: 66.4/36$

All: -11.880 ± 6.630 $\chi^2/\text{NDF}: 99.8/69$

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: 39.668 $\pm$ 0.008 χ^2 /NDF: 152926.1/17

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

Left In: 39.897 $\pm$ 0.008 χ^2 /NDF: 165628.5/15

Left: 39.777 $\pm$ 0.006 χ^2 /NDF: 318982.8/33

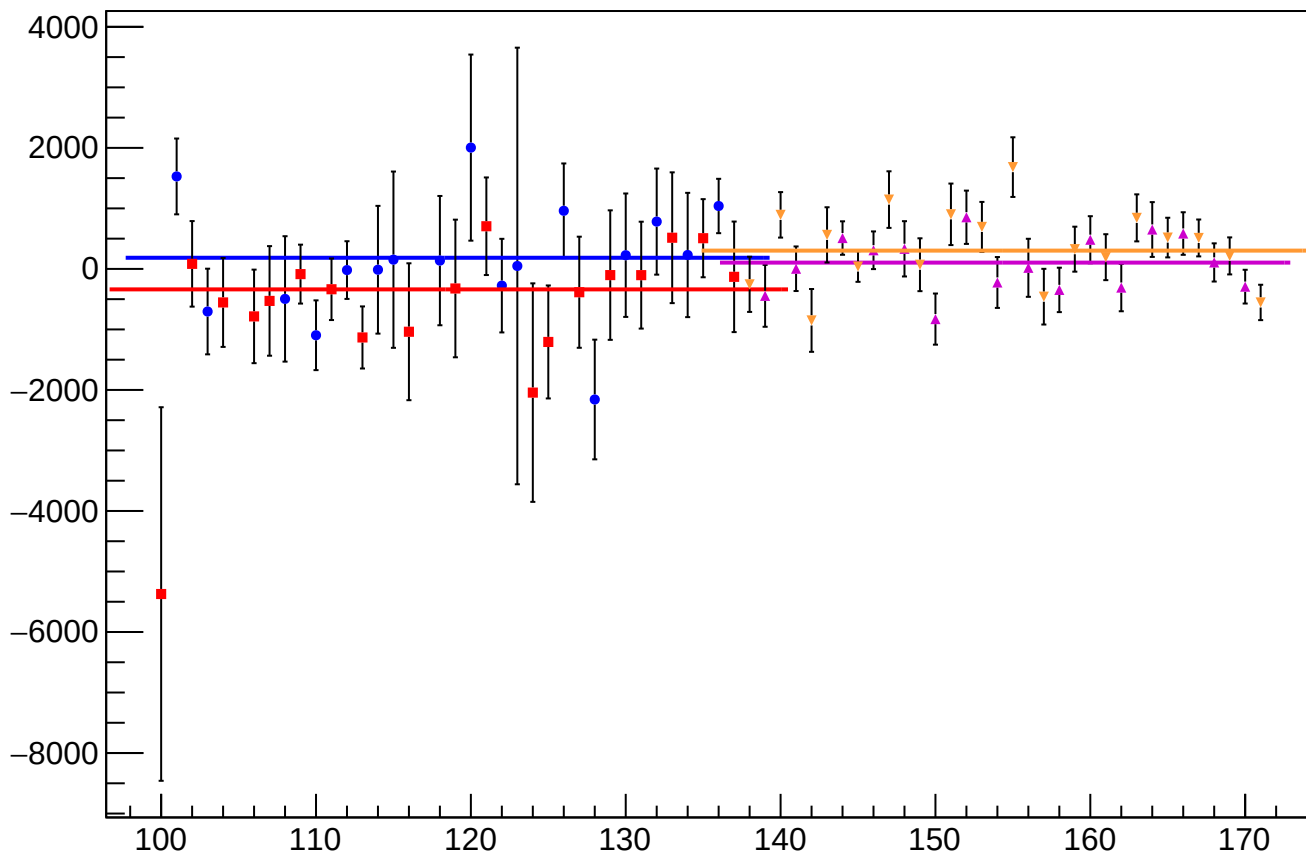
Right: 45.009 $\pm$ 0.009 χ^2 /NDF: 853862.6/35

In: 41.364 $\pm$ 0.007 χ^2 /NDF: 720665.2/32

Out: 41.165 $\pm$ 0.007 χ^2 /NDF: 704768.9/36

All: 41.261 $\pm$ 0.005 χ^2 /NDF: 1425881.2/69

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: 302.422 $\pm$ 88.504 χ^2/NDF :38.3/17

Right Out: -338.329 $\pm$ 179.381 χ^2/NDF : 12.5/18

Left In: 103.964 $\pm$ 92.603 χ^2/NDF :21.4/15

Left: 207.682 $\pm$ 63.982 χ^2/NDF : 62.1/33

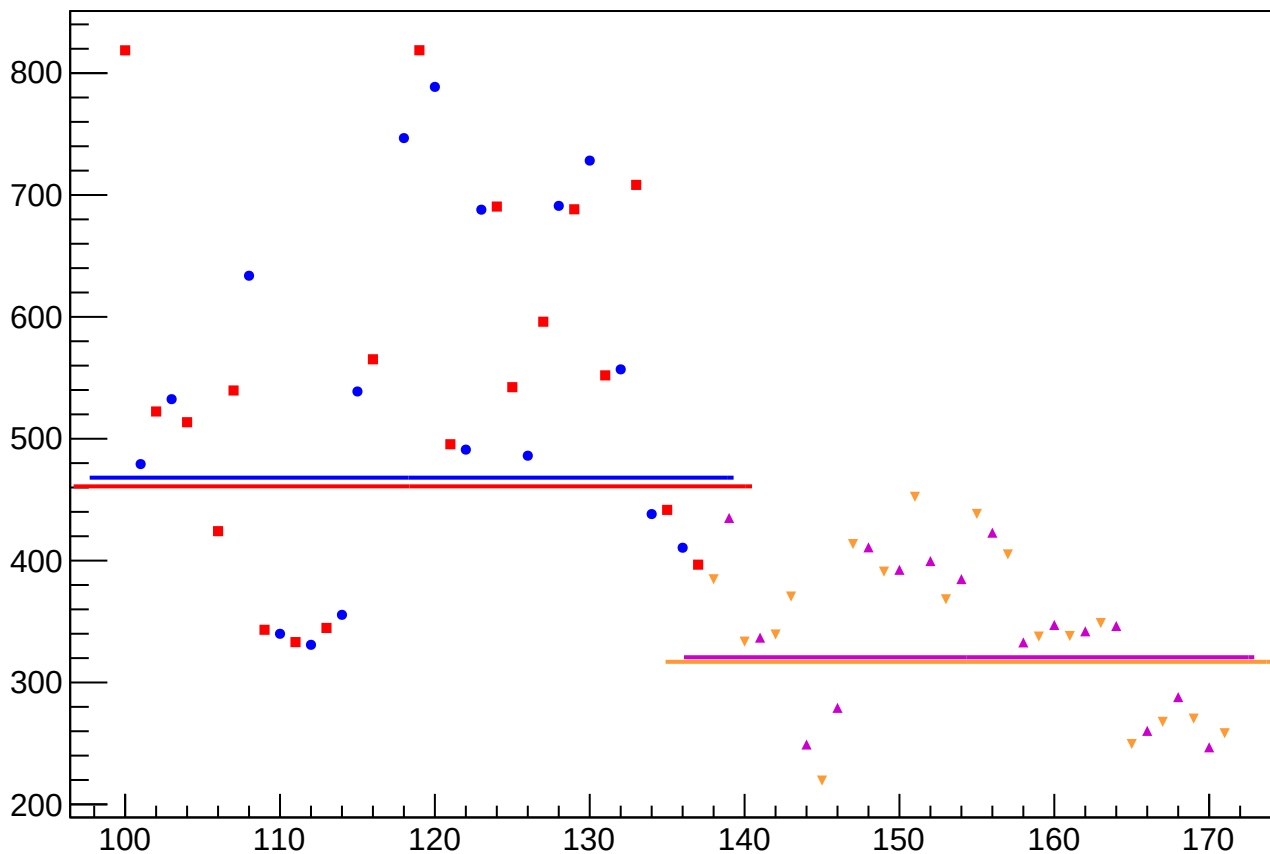
Right: -90.096 $\pm$ 129.965 χ^2/NDF : 40.7/35

In: 119.552 $\pm$ 83.120 χ^2/NDF :45.8/32

Out: 176.980 $\pm$ 79.369 χ^2/NDF :61.0/36

All: 149.591 $\pm$ 57.403 χ^2/NDF : 107.1/69

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Left: 318.752 $\pm$ 0.045 χ^2/NDF : 2032919.7/33

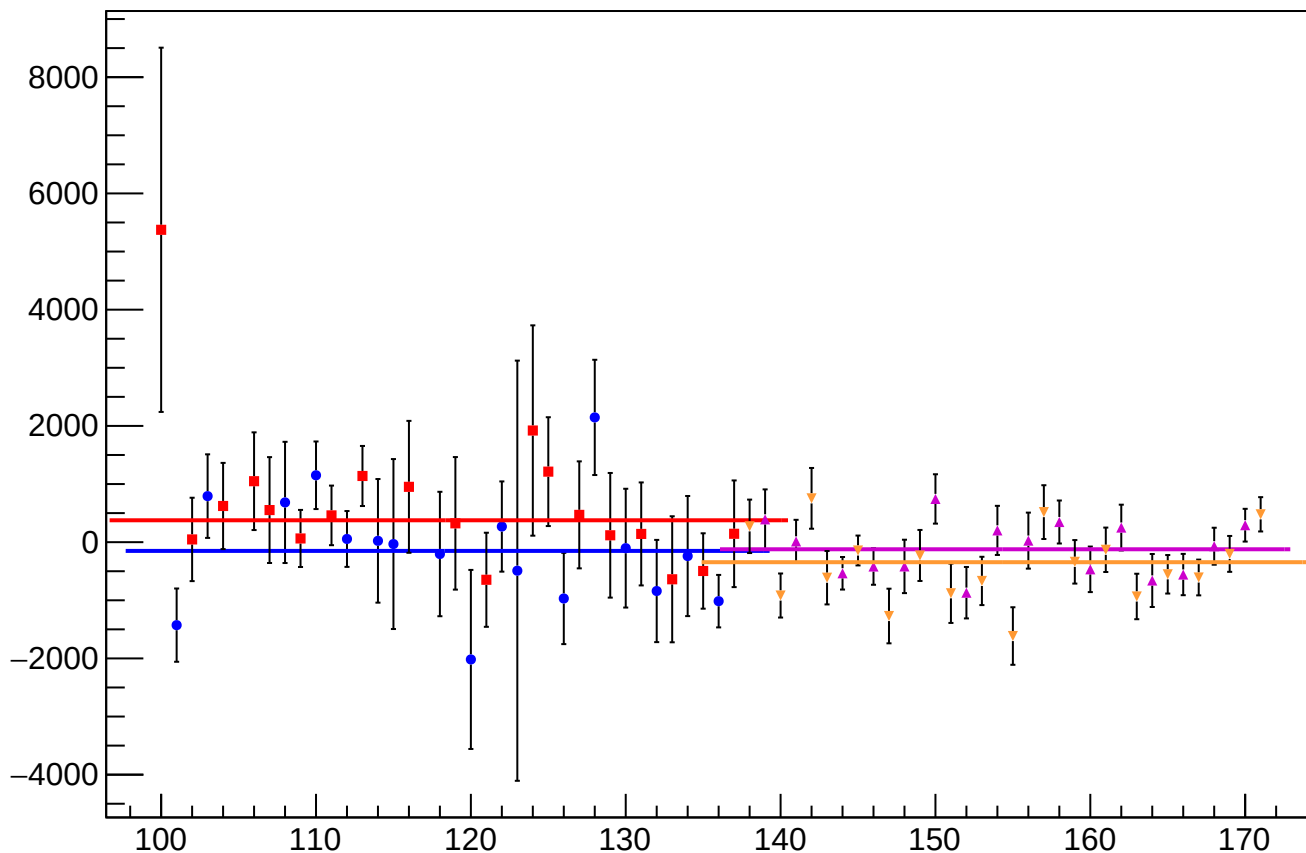
Right: 464.328 $\pm$ 0.092 χ^2/NDF : 1836849.7/35

In: 349.356 $\pm$ 0.059 χ^2/NDF : 2719949.3/32

Out: 345.140 $\pm$ 0.056 χ^2/NDF : 3166924.3/36

All: 347.151 $\pm$ 0.041 χ^2/NDF : 5889564.8/69

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -344.548 ± 89.252 χ^2/NDF : 36.9/17

Right Out: 376.554 ± 181.258 χ^2/NDF : 12.4/18

Left In: -122.202 ± 93.372 χ^2/NDF : 20.7/15

Left: -238.389 ± 64.518 χ^2/NDF : 60.5/33

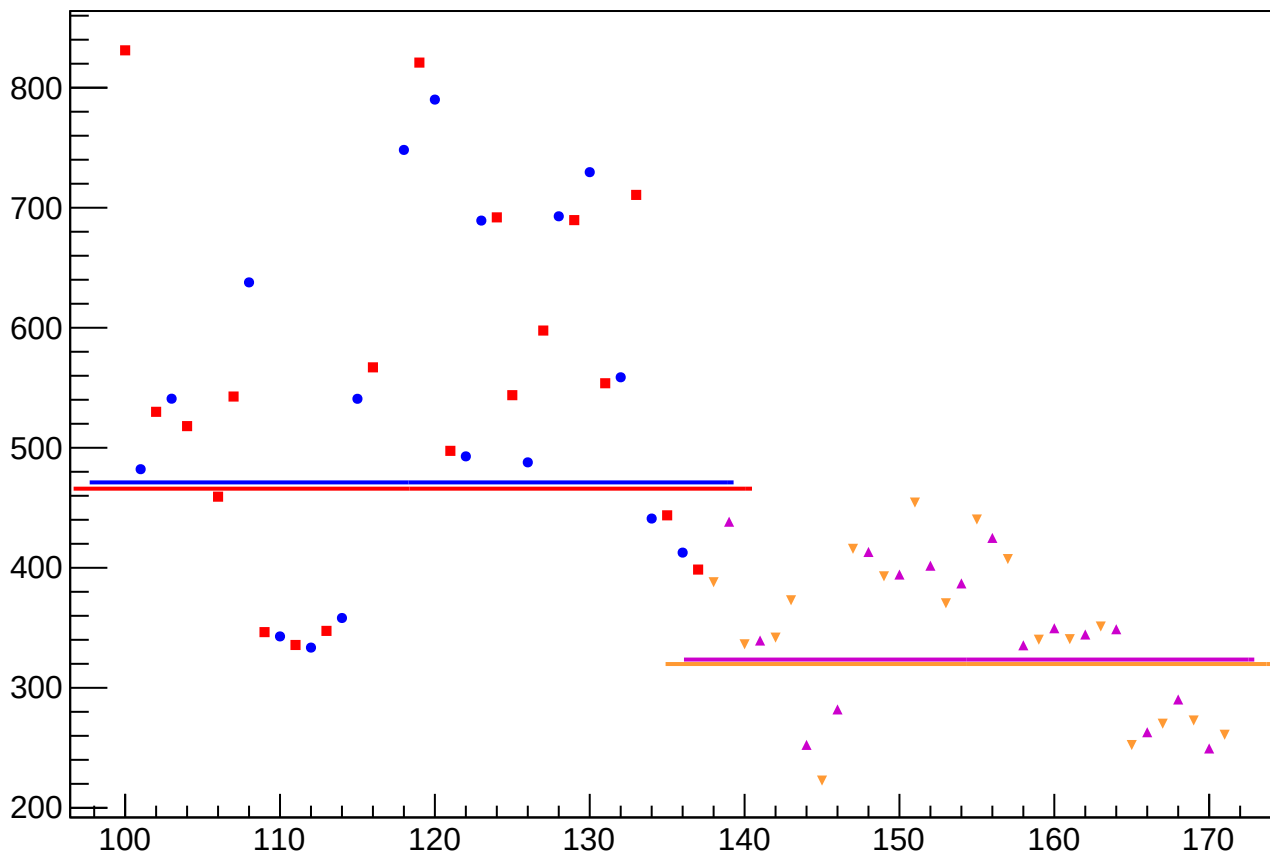
Right: 125.150 ± 131.061 χ^2/NDF : 40.7/35

In: -127.681 ± 83.776 χ^2/NDF : 44.9/32

Out: -203.828 ± 80.071 χ^2/NDF : 62.0/36

All: -167.475 ± 57.884 χ^2/NDF : 107.4/69

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156 $\pm$ 0.134 χ^2 /NDF: 871832.5/16

Left Out: 319.825 $\pm$ 0.063 χ^2 /NDF:1147017.8/17

Right Out: 465.935 $\pm$ 0.128 χ^2 /NDF: 940521.6/18

Left In: 323.550 $\pm$ 0.066 χ^2 /NDF:835560.6/15

Left: 321.603 $\pm$ 0.046 χ^2 /NDF: 1984241.8/33

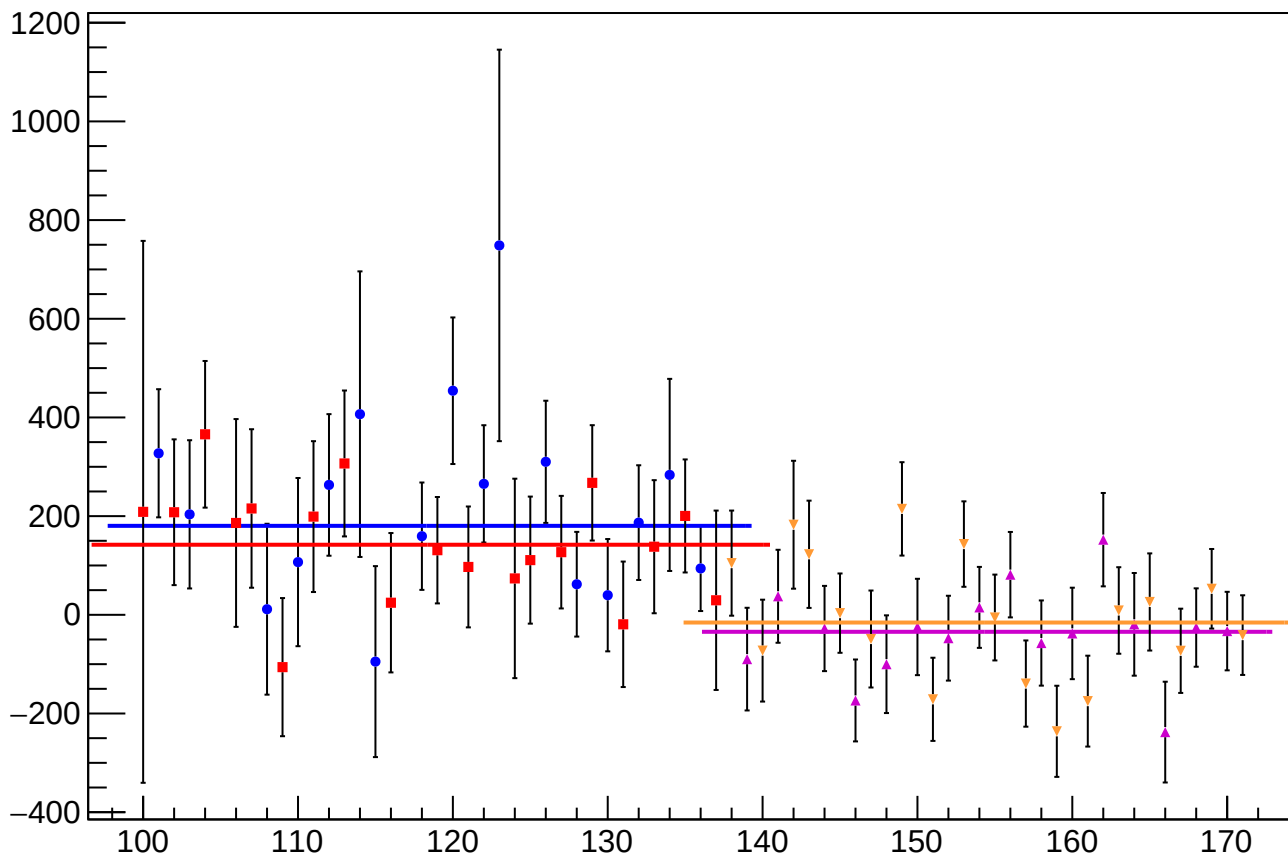
Right: 468.427 $\pm$ 0.093 χ^2 /NDF: 1813145.9/35

In: 352.329 $\pm$ 0.059 χ^2 /NDF:2681895.5/32

Out: 348.338 $\pm$ 0.057 χ^2 /NDF:3133507.1/36

All: 350.243 $\pm$ 0.041 χ^2 /NDF: 5817775.1/69

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: -15.621 $\pm$ 21.585 χ^2 /NDF:30.7/17

Right Out: 142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

Left In: -34.421 $\pm$ 22.500 χ^2 /NDF:14.3/15

Left: -24.631 $\pm$ 15.576 χ^2 /NDF: 45.3/33

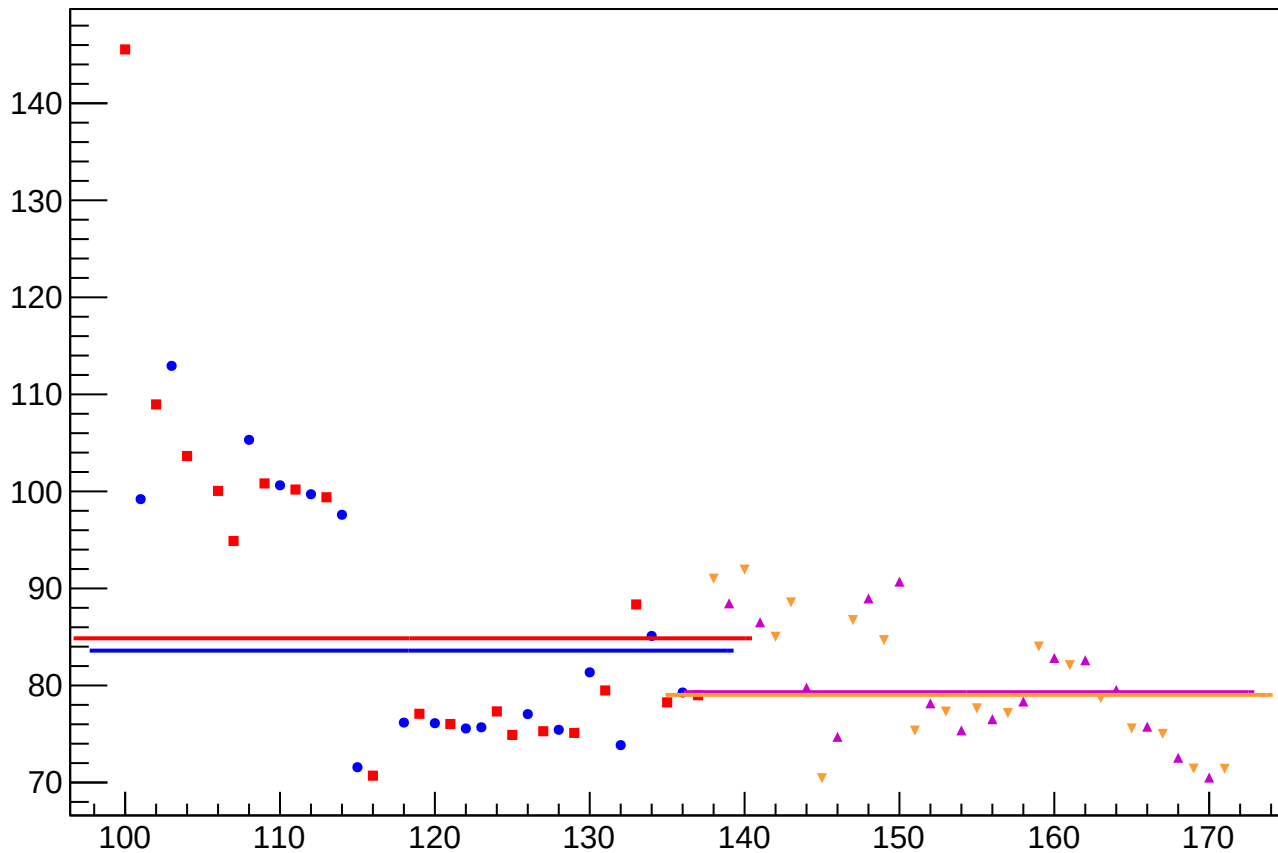
Right: 160.930 $\pm$ 23.017 χ^2 /NDF: 28.9/35

In: 34.384 $\pm$ 18.549 χ^2 /NDF:60.0/32

Out: 32.973 $\pm$ 17.953 χ^2 /NDF:58.8/36

All: 33.656 $\pm$ 12.900 χ^2 /NDF: 118.8/69

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 79.032+/-0.015 χ^2/NDF :175003.1/17

Right Out: 84.861+/-0.023 χ^2/NDF : 290606.5/18

Left In: 79.305+/-0.016 χ^2/NDF :133621.0/15

Left: 79.163+/-0.011 χ^2/NDF : 308777.5/33

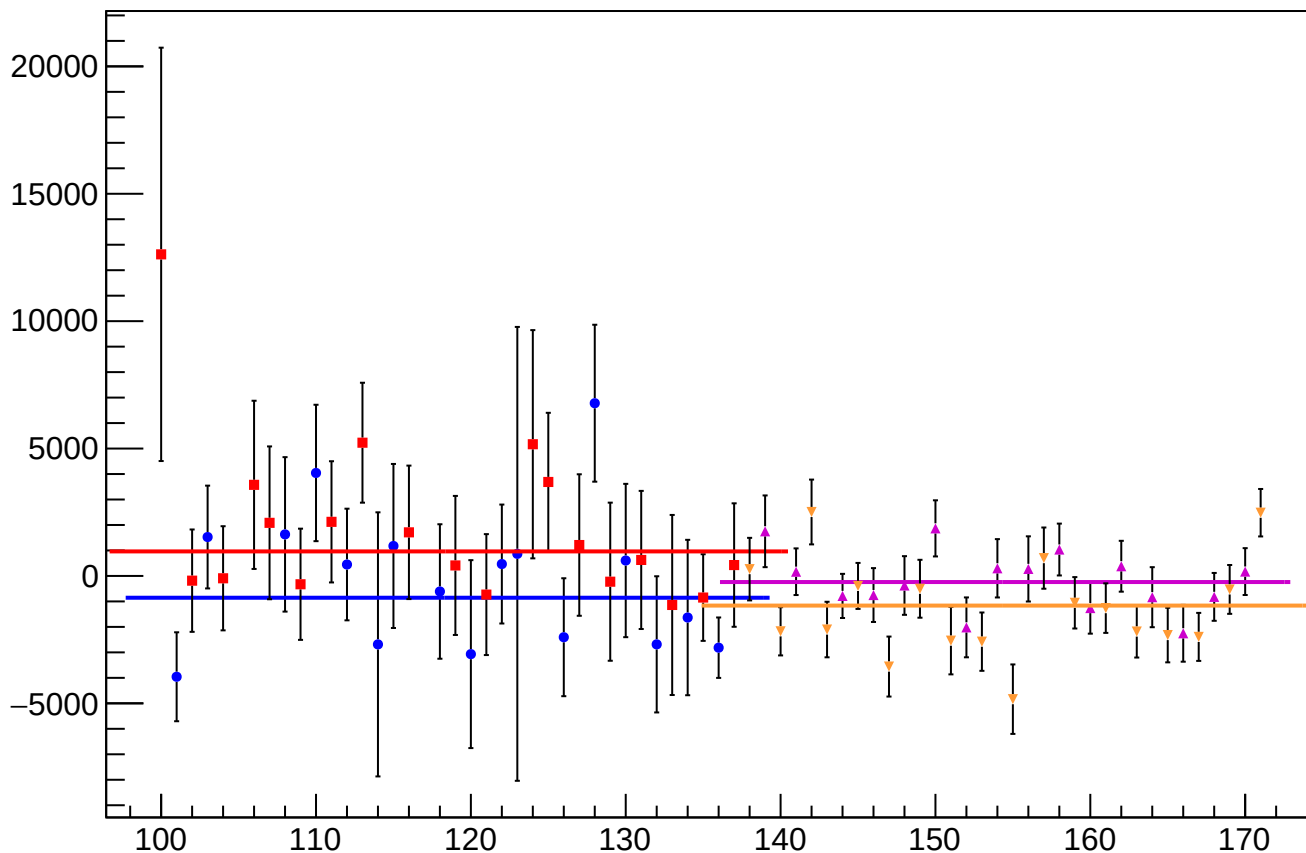
Right: 84.234+/-0.016 χ^2/NDF : 548050.9/35

In: 80.678+/-0.013 χ^2/NDF :412792.2/32

Out: 80.829+/-0.013 χ^2/NDF :510565.4/36

All: 80.756+/-0.009 χ^2/NDF : 923425.5/69

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: -1163.256 ± 251.842 $\chi^2/\text{NDF}: 48.7/17$

Right Out: 962.932 ± 589.071 $\chi^2/\text{NDF}: 11.5/18$

Left In: -239.361 ± 263.494 $\chi^2/\text{NDF}: 16.3/15$

Left: -722.187 ± 182.059 $\chi^2/\text{NDF}: 71.4/33$

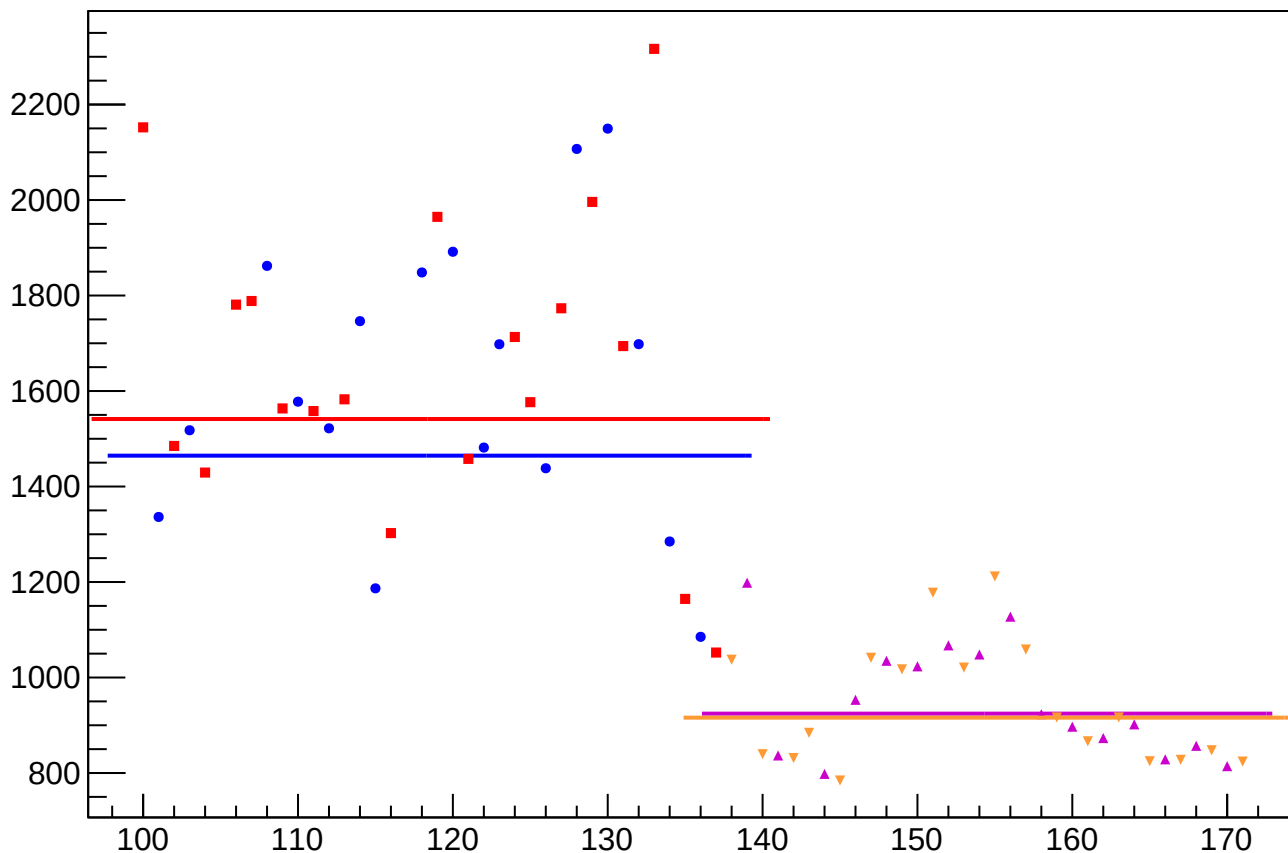
Right: 44.847 ± 414.477 $\chi^2/\text{NDF}: 36.6/35$

In: -343.752 ± 240.129 $\chi^2/\text{NDF}: 37.5/32$

Out: -834.692 ± 231.567 $\chi^2/\text{NDF}: 71.2/36$

All: -598.130 ± 166.687 $\chi^2/\text{NDF}: 110.9/69$

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 ± 0.412 $\chi^2/\text{NDF}: 560863.4/16$

Left Out: 915.953 ± 0.178 $\chi^2/\text{NDF}: 408409.9/17$

Right Out: 1541.388 ± 0.417 $\chi^2/\text{NDF}: 453710.5/18$

Left In: 924.355 ± 0.186 $\chi^2/\text{NDF}: 337270.3/15$

Left: 919.964 ± 0.129 $\chi^2/\text{NDF}: 746743.0/33$

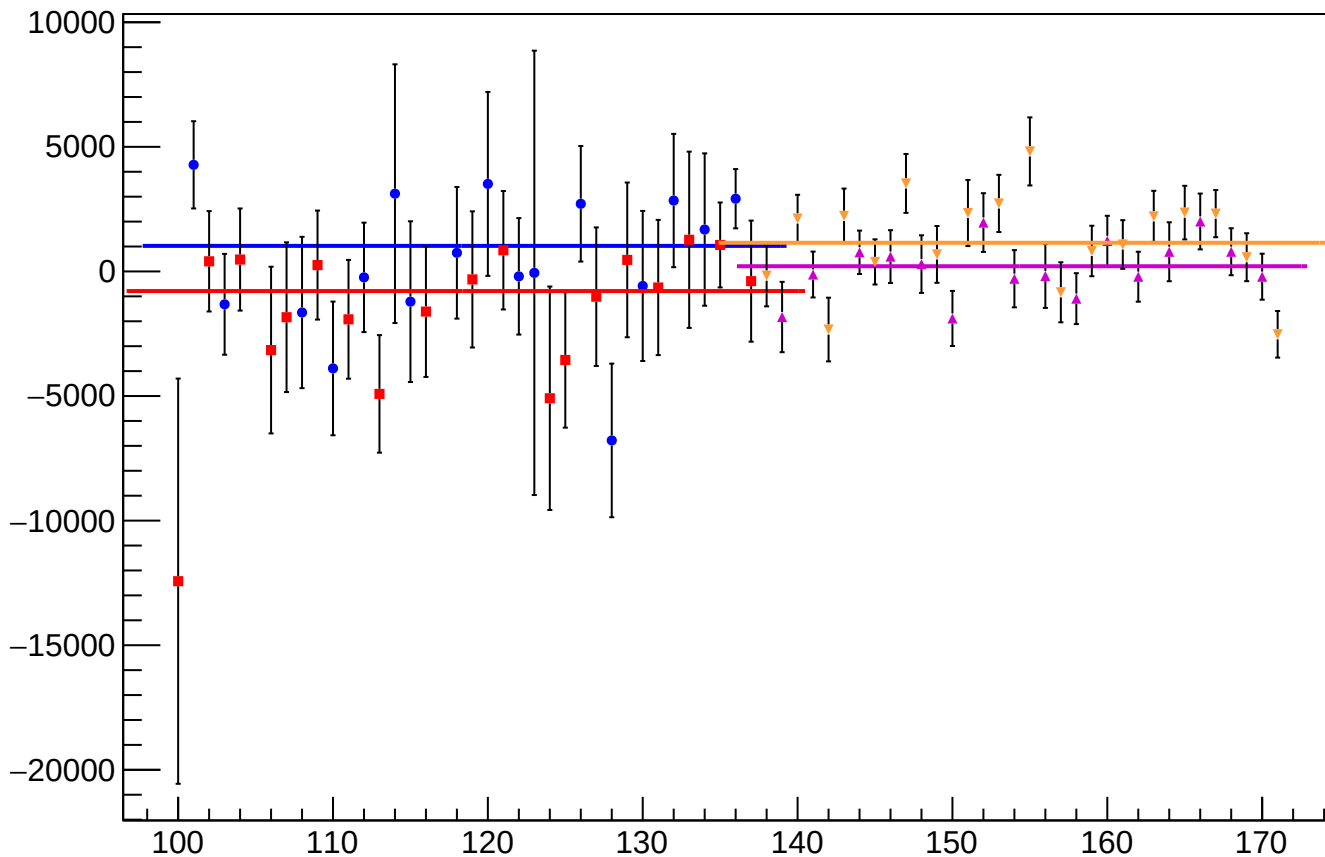
Right: 1502.634 ± 0.293 $\chi^2/\text{NDF}: 1031717.7/35$

In: 1015.922 ± 0.170 $\chi^2/\text{NDF}: 2323246.4/32$

Out: 1012.603 ± 0.164 $\chi^2/\text{NDF}: 2768267.4/36$

All: 1014.202 ± 0.118 $\chi^2/\text{NDF}: 5091711.8/69$

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: 1150.180 $\pm$ 252.853 χ^2 /NDF: 47.9/17

Right Out: -787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

Left In: 208.735 $\pm$ 264.528 χ^2 /NDF: 15.1/15

Left: 700.691 $\pm$ 182.782 χ^2 /NDF: 69.6/33

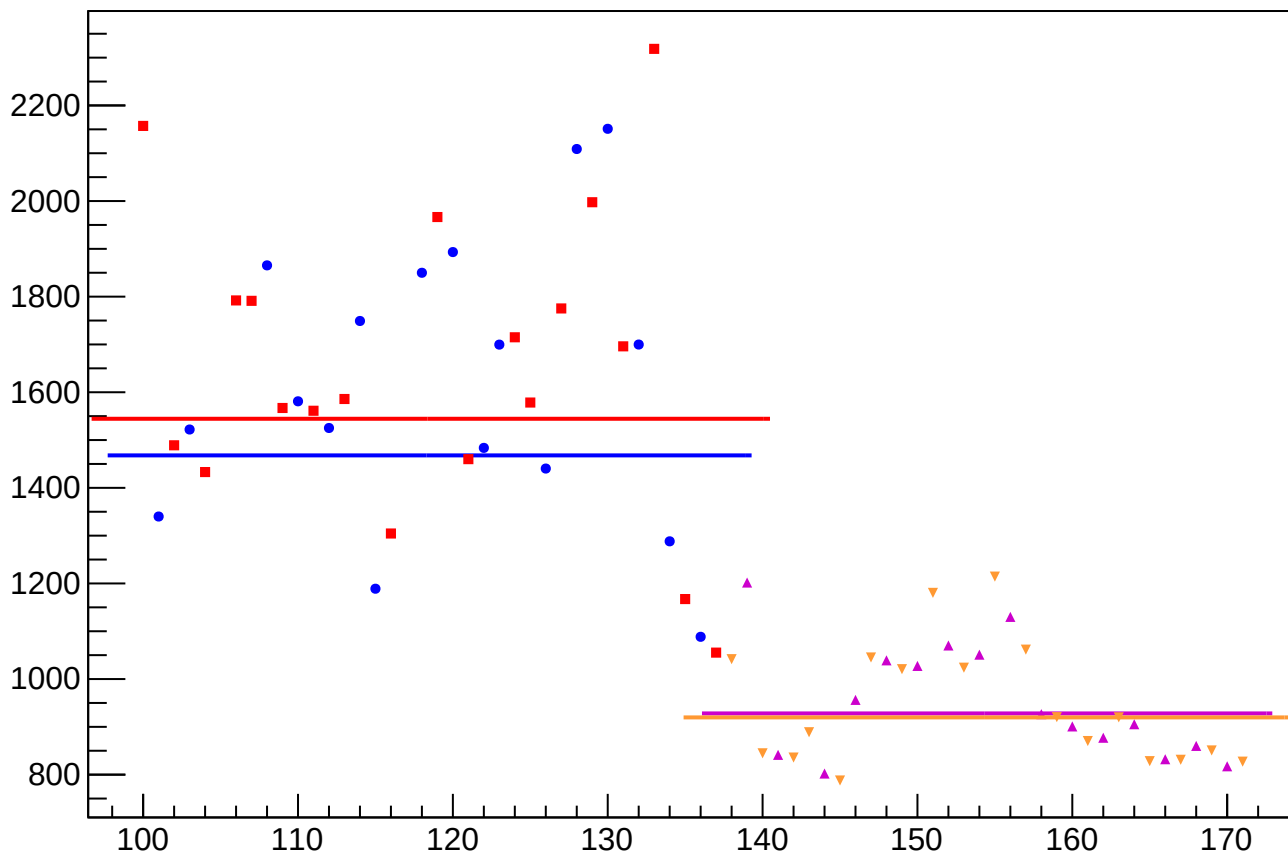
Right: 128.343 $\pm$ 415.370 χ^2 /NDF: 36.9/35

In: 347.591 $\pm$ 240.996 χ^2 /NDF: 37.6/32

Out: 849.924 $\pm$ 232.433 χ^2 /NDF: 68.2/36

All: 607.841 $\pm$ 167.300 χ^2 /NDF: 108.1/69

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 919.744+/-0.179 χ^2/NDF : 404056.2/17

Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

Left In: 928.081+/-0.187 χ^2/NDF : 333488.3/15

Left: 923.724+/-0.129 χ^2/NDF : 738582.6/33

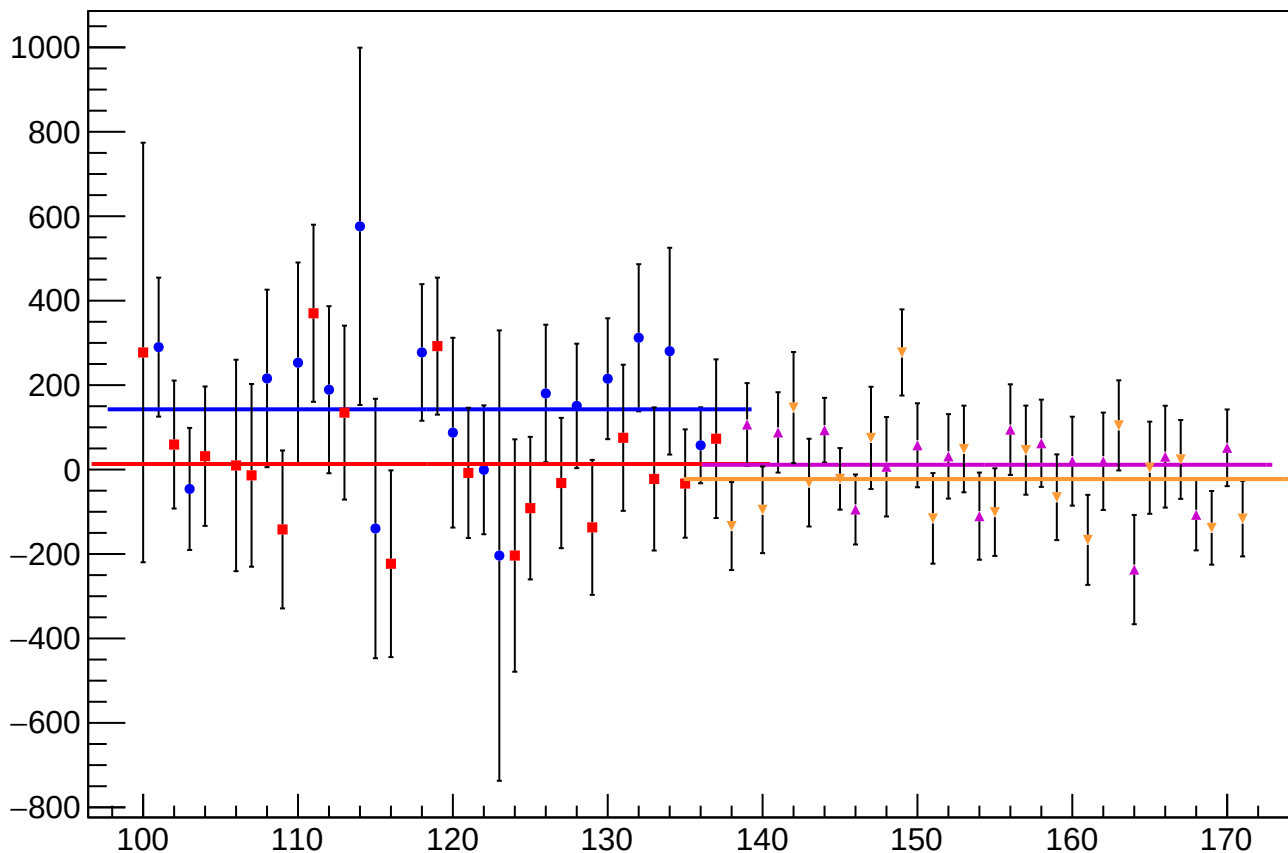
Right: 1505.825+/-0.294 χ^2/NDF : 1026270.9/35

In: 1019.852+/-0.170 χ^2/NDF : 2306883.6/32

Out: 1016.581+/-0.164 χ^2/NDF : 2748440.1/36

All: 1018.157+/-0.118 χ^2/NDF : 5055514.6/69

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 ± 41.625 χ^2/NDF : 9.3/16

Left Out: -22.514 ± 23.694 χ^2/NDF : 21.4/17

Right Out: 13.177 ± 41.396 χ^2/NDF : 10.8/18

Left In: 11.307 ± 24.742 χ^2/NDF : 12.7/15

Left: -6.335 ± 17.113 χ^2/NDF : 35.1/33

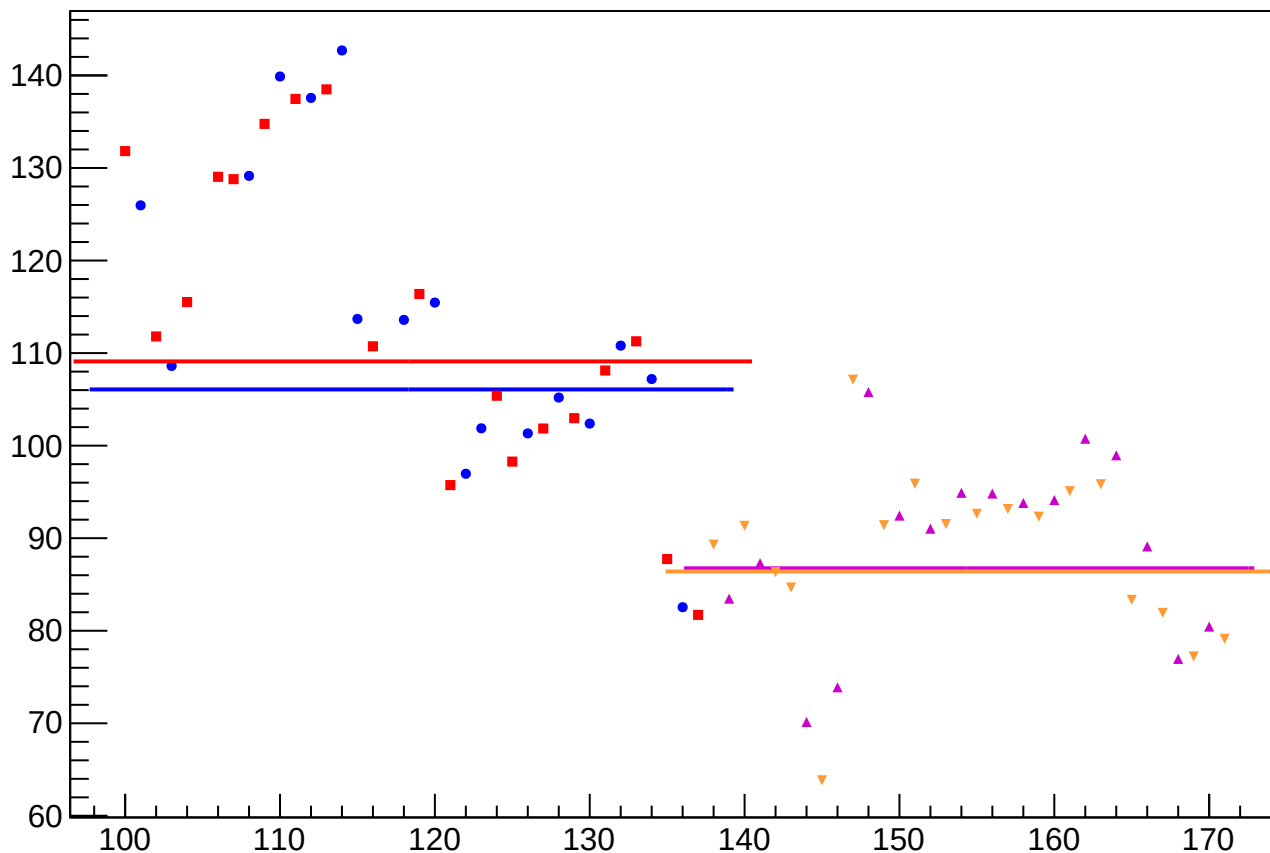
Right: 77.572 ± 29.352 χ^2/NDF : 25.0/35

In: 45.606 ± 21.269 χ^2/NDF : 29.4/32

Out: -13.706 ± 20.564 χ^2/NDF : 32.8/36

All: 14.951 ± 14.784 χ^2/NDF : 66.2/69

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: 86.406 $\pm$ 0.017 χ^2 /NDF:374471.7/17

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

Left In: 86.745 $\pm$ 0.017 χ^2 /NDF:334422.2/15

Left: 86.568 $\pm$ 0.012 χ^2 /NDF: 709090.2/33

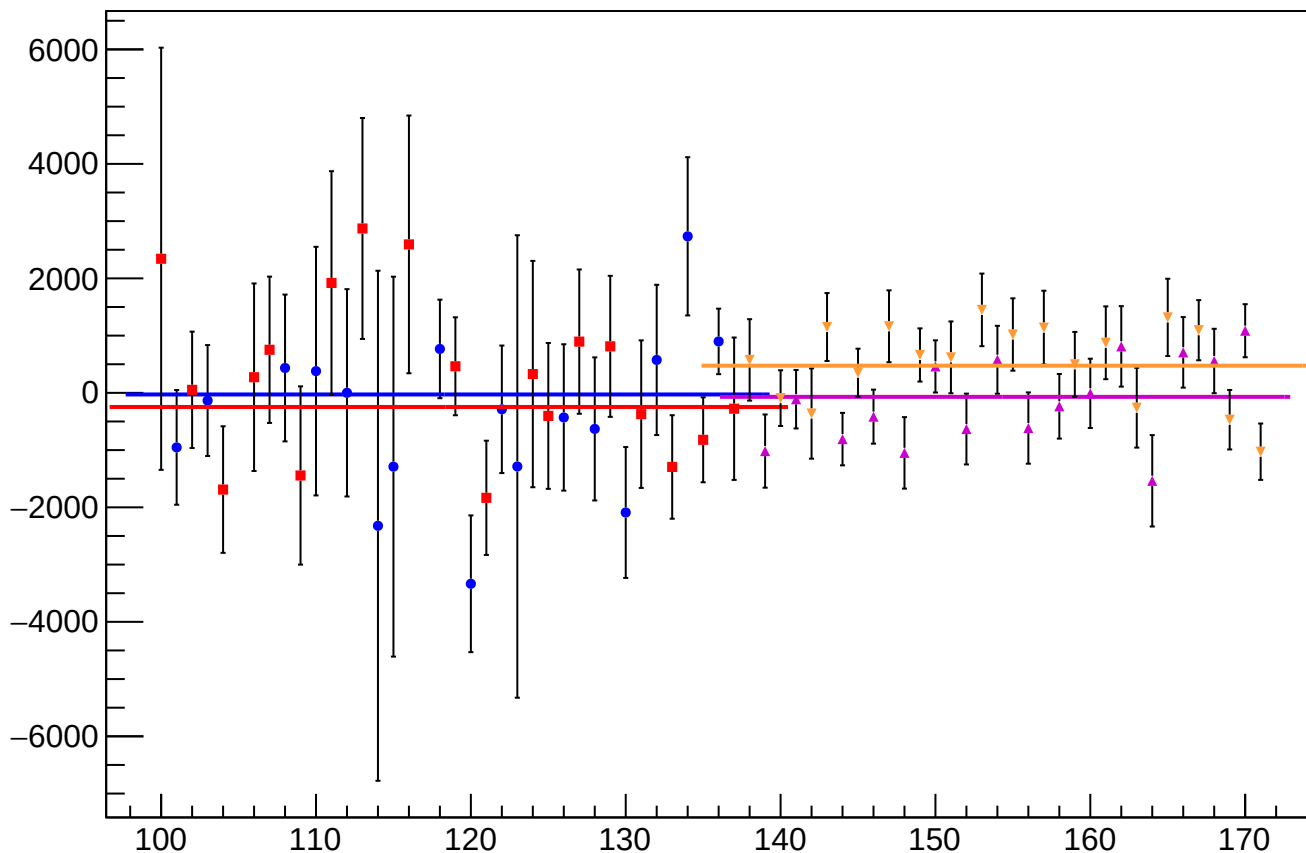
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 91.792 $\pm$ 0.015 χ^2 /NDF:970970.2/32

Out: 92.006 $\pm$ 0.015 χ^2 /NDF:1112636.3/36

All: 91.903 $\pm$ 0.010 χ^2 /NDF: 2083711.8/69

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: 474.873+/-135.139 χ^2/NDF : 26.5/17

Right Out: -246.386+/-279.451 χ^2/NDF : 15.9/18

Left In: -69.829+/-140.249 χ^2/NDF : 26.0/15

Left: 212.627+/-97.314 χ^2/NDF : 60.4/33

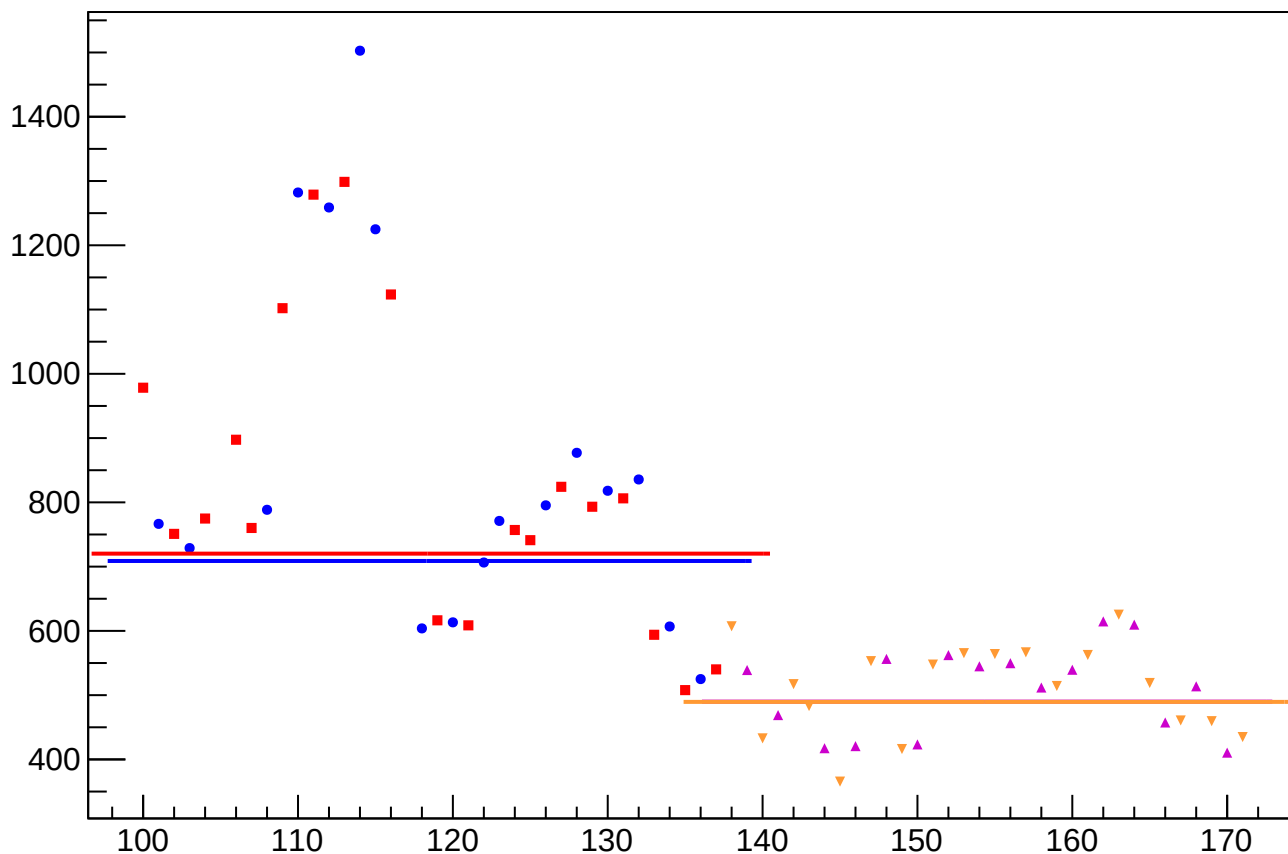
Right: -138.842+/-199.101 χ^2/NDF : 36.7/35

In: -61.610+/-125.729 χ^2/NDF : 46.6/32

Out: 338.171+/-121.660 χ^2/NDF : 47.8/36

All: 144.854+/-87.430 χ^2/NDF : 99.6/69

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: 489.522 $\pm$ 0.096 χ^2 /NDF: 579826.5/17

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

Left In: 489.927 $\pm$ 0.099 χ^2 /NDF: 428943.1/15

Left: 489.717 $\pm$ 0.069 χ^2 /NDF: 1008778.3/33

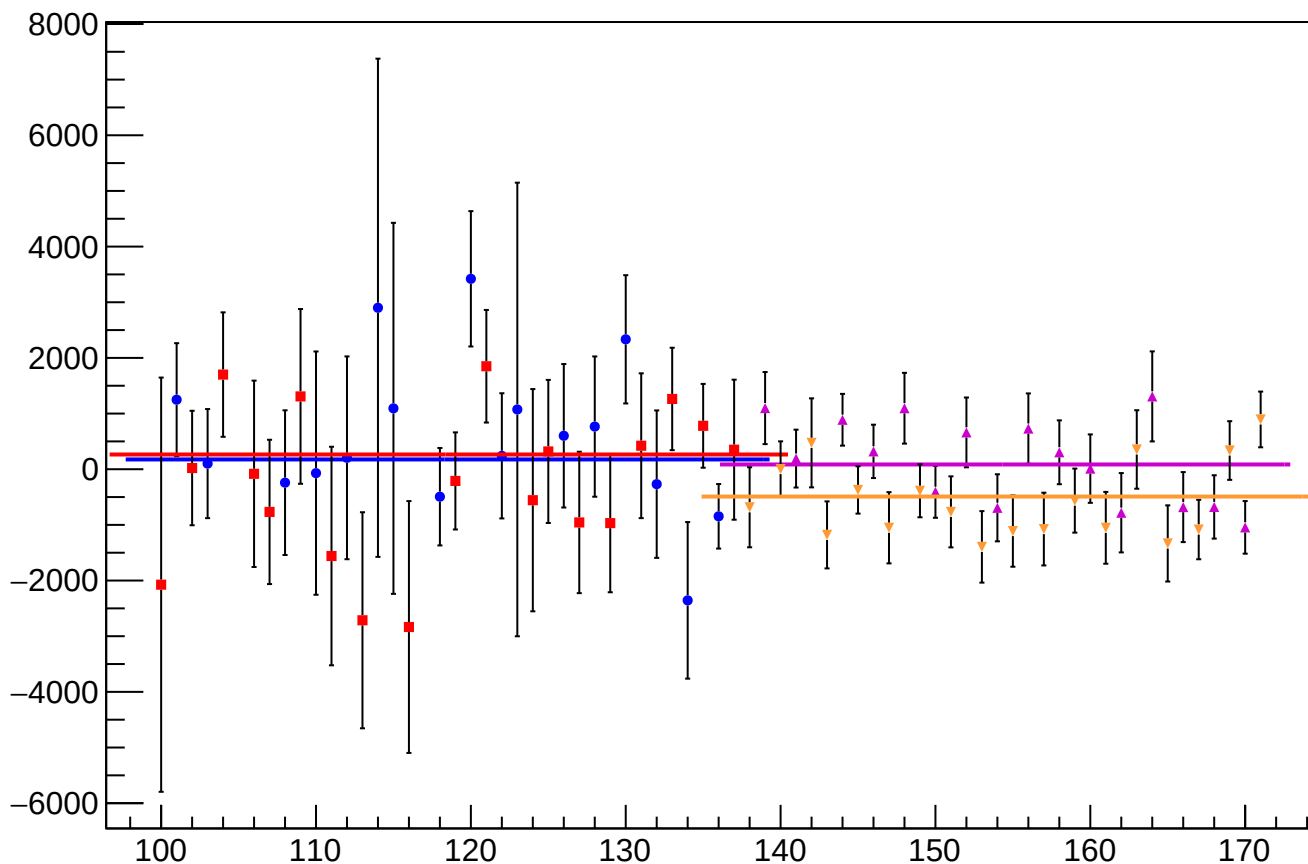
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 532.899 $\pm$ 0.089 χ^2 /NDF: 2178736.4/32

Out: 533.244 $\pm$ 0.086 χ^2 /NDF: 2584268.8/36

All: 533.077 $\pm$ 0.062 χ^2 /NDF: 4763013.0/69

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Left: -213.504 +/- 98.909 χ^2/NDF : 58.0/33

Right: 220.883 +/- 201.613 χ^2/NDF : 34.6/35

In: 103.401 +/- 127.692 χ^2/NDF : 45.7/32

Out: -347.102 +/- 123.571 χ^2/NDF : 44.3/36

All: -129.237 +/- 88.799 χ^2/NDF : 96.4/69

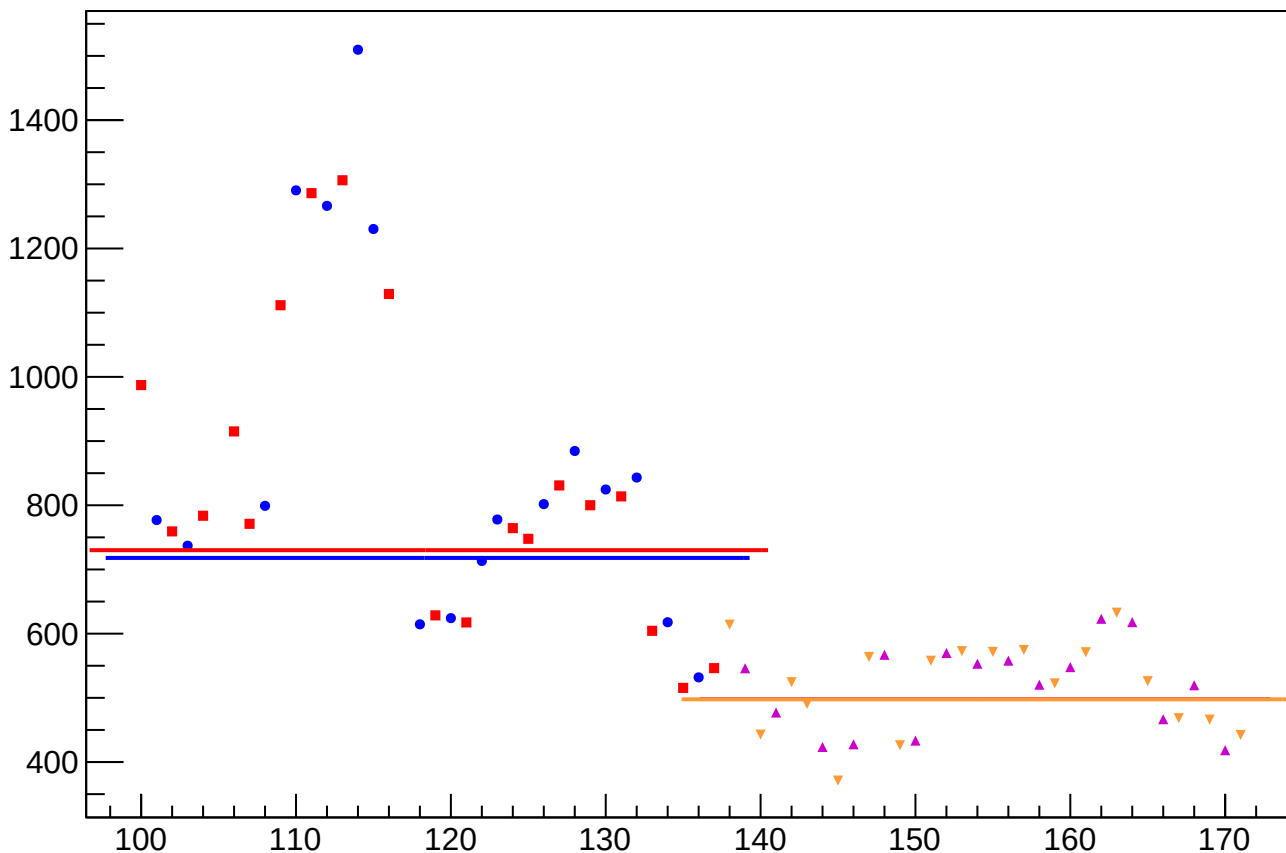
Right In: 175.854 +/- 287.218 χ^2/NDF : 19.7/16

Left Out: -491.116 +/- 137.349 χ^2/NDF : 23.7/17

Right Out: 264.622 +/- 283.074 χ^2/NDF : 14.8/18

Left In: 85.553 +/- 142.555 χ^2/NDF : 25.8/15

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: 497.758 $\pm$ 0.097 χ^2 /NDF: 566743.5/17

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

Left In: 498.160 $\pm$ 0.101 χ^2 /NDF: 418231.0/15

Left: 497.952 $\pm$ 0.070 χ^2 /NDF: 984982.7/33

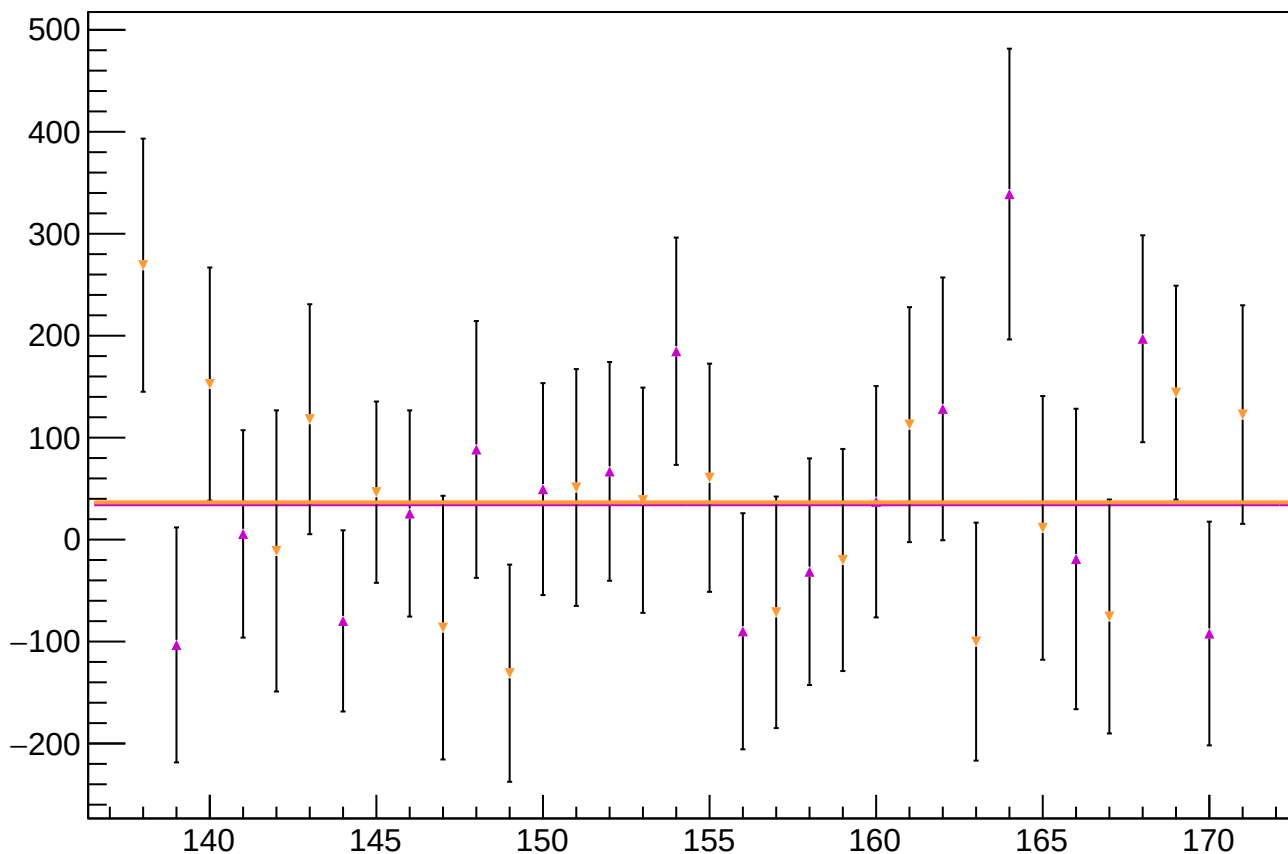
Right: 724.094 $\pm$ 0.143 χ^2 /NDF: 1662212.8/35

In: 541.607 $\pm$ 0.090 χ^2 /NDF: 2136698.2/32

Out: 542.022 $\pm$ 0.087 χ^2 /NDF: 2538630.1/36

All: 541.821 $\pm$ 0.063 χ^2 /NDF: 4675339.3/69

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 36.562+/-26.660 χ^2/NDF :14.3/17

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

Left In: 34.649+/-27.864 χ^2/NDF :15.9/15

Left: 35.648+/-19.263 χ^2/NDF : 30.2/33

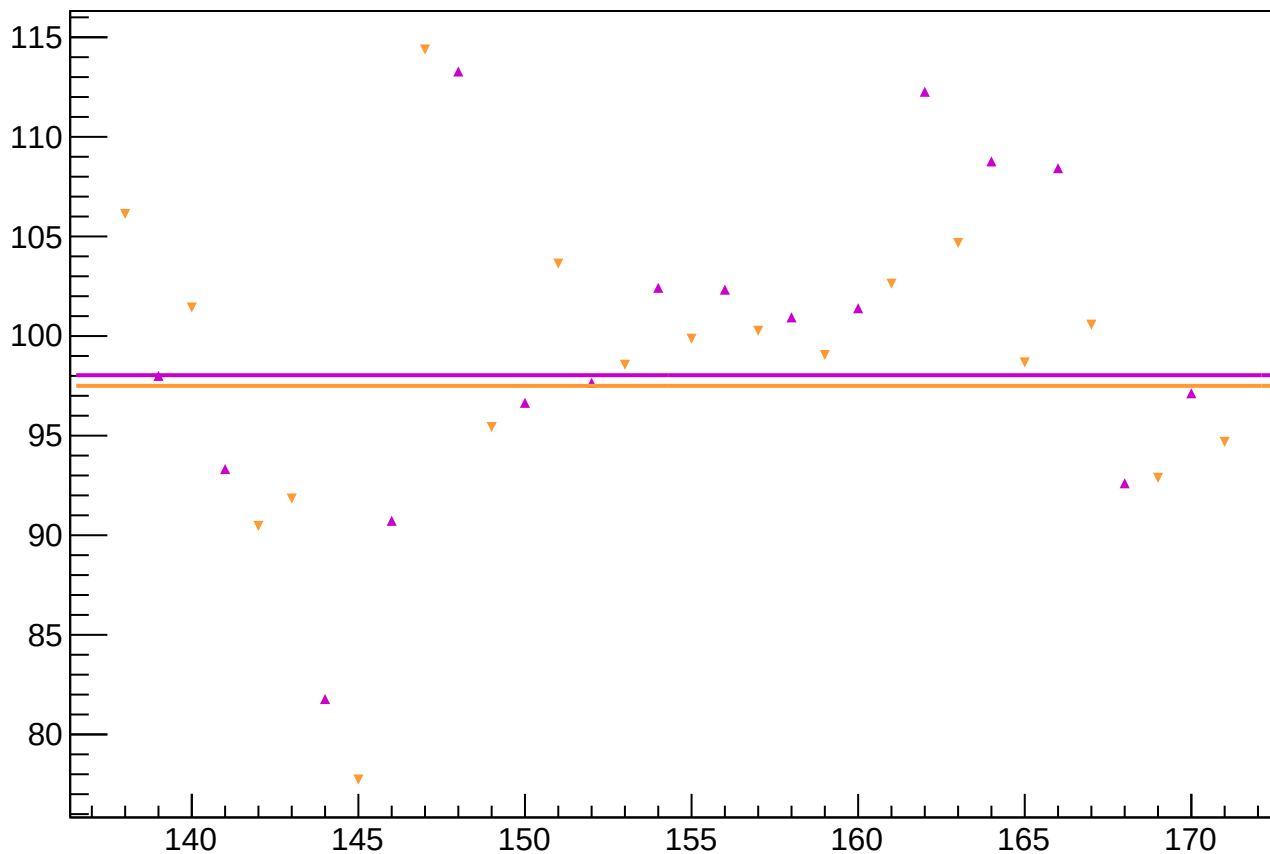
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 34.649+/-27.864 χ^2/NDF :15.9/15

Out: 36.562+/-26.660 χ^2/NDF :14.3/17

All: 35.648+/-19.263 χ^2/NDF : 30.2/33

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 97.500+/-0.019 χ^2/NDF :182544.5/17

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

Left In: 98.035+/-0.020 χ^2/NDF :171804.8/15

Left: 97.756+/-0.014 χ^2/NDF : 354734.7/33

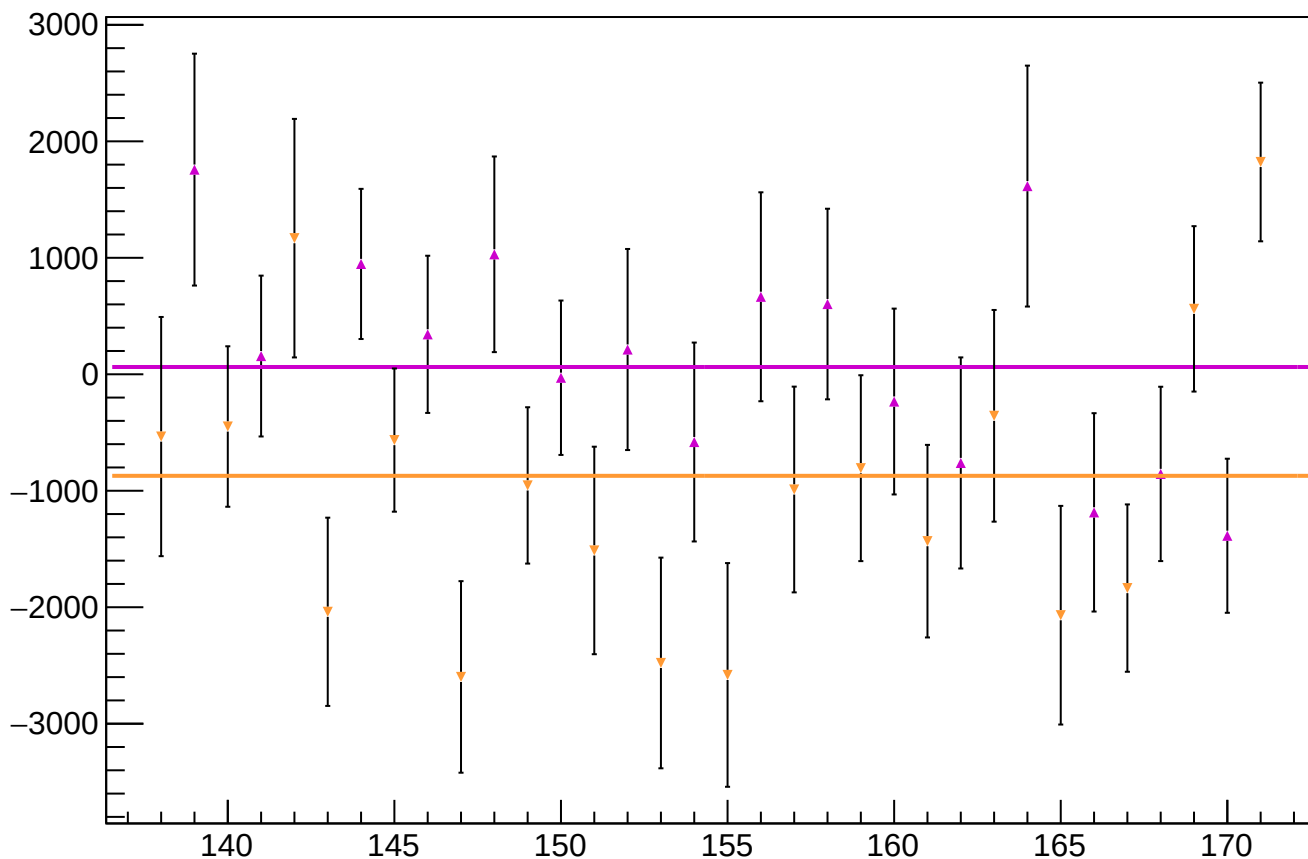
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 98.035+/-0.020 χ^2/NDF :171804.8/15

Out: 97.500+/-0.019 χ^2/NDF :182544.5/17

All: 97.756+/-0.014 χ^2/NDF : 354734.7/33

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -871.756+/-188.342 χ^2/NDF :42.0/17

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

Left In: 62.526+/-196.009 χ^2/NDF :19.5/15

Left: -423.243+/-135.807 χ^2/NDF : 73.3/33

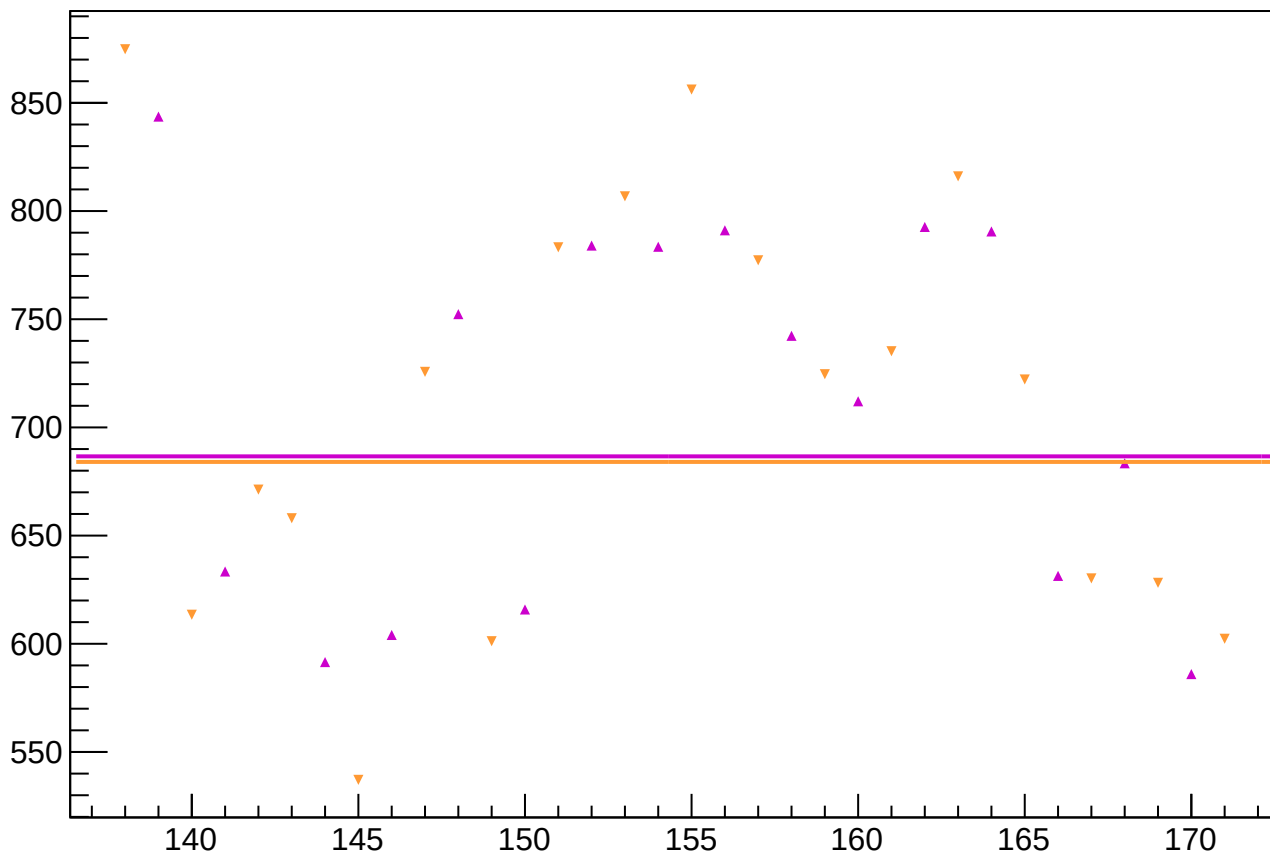
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.526+/-196.009 χ^2/NDF :19.5/15

Out: -871.756+/-188.342 χ^2/NDF :42.0/17

All: -423.243+/-135.807 χ^2/NDF : 73.3/33

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 684.056+/-0.133 χ^2/NDF : 501149.8/17

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

Left In: 686.623+/-0.139 χ^2/NDF : 362132.5/15

Left: 685.288+/-0.096 χ^2/NDF : 863460.7/33

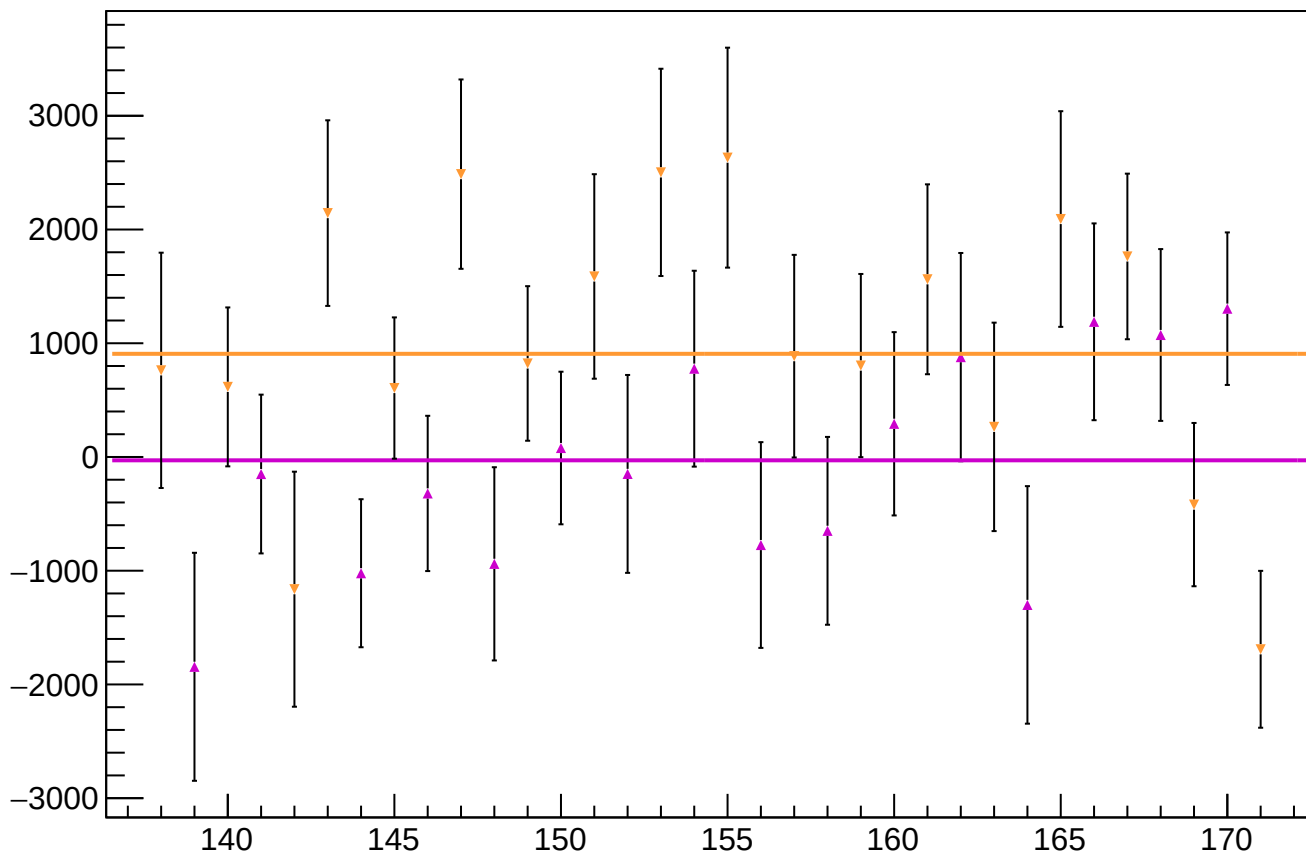
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 686.623+/-0.139 χ^2/NDF : 362132.5/15

Out: 684.056+/-0.133 χ^2/NDF : 501149.8/17

All: 685.288+/-0.096 χ^2/NDF : 863460.7/33

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 907.088+/-190.341 χ^2/NDF :38.8/17

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

Left In: -29.352+/-198.097 χ^2/NDF :19.8/15

Left: 457.558+/-137.252 χ^2/NDF : 70.3/33

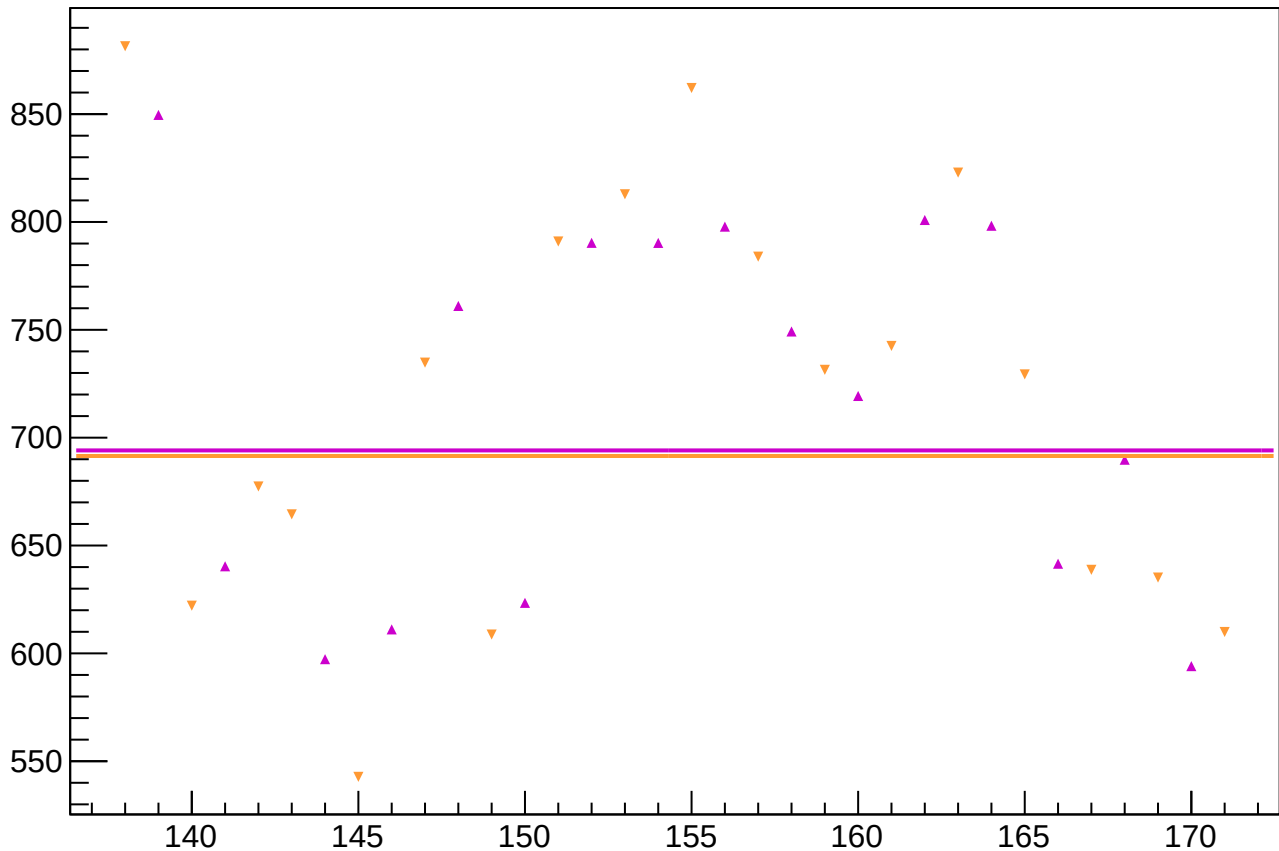
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.352+/-198.097 χ^2/NDF :19.8/15

Out: 907.088+/-190.341 χ^2/NDF :38.8/17

All: 457.558+/-137.252 χ^2/NDF : 70.3/33

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 691.506+/-0.135 χ^2/NDF : 490741.8/17

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

Left In: 694.094+/-0.140 χ^2/NDF : 354067.3/15

Left: 692.748+/-0.097 χ^2/NDF : 844986.6/33

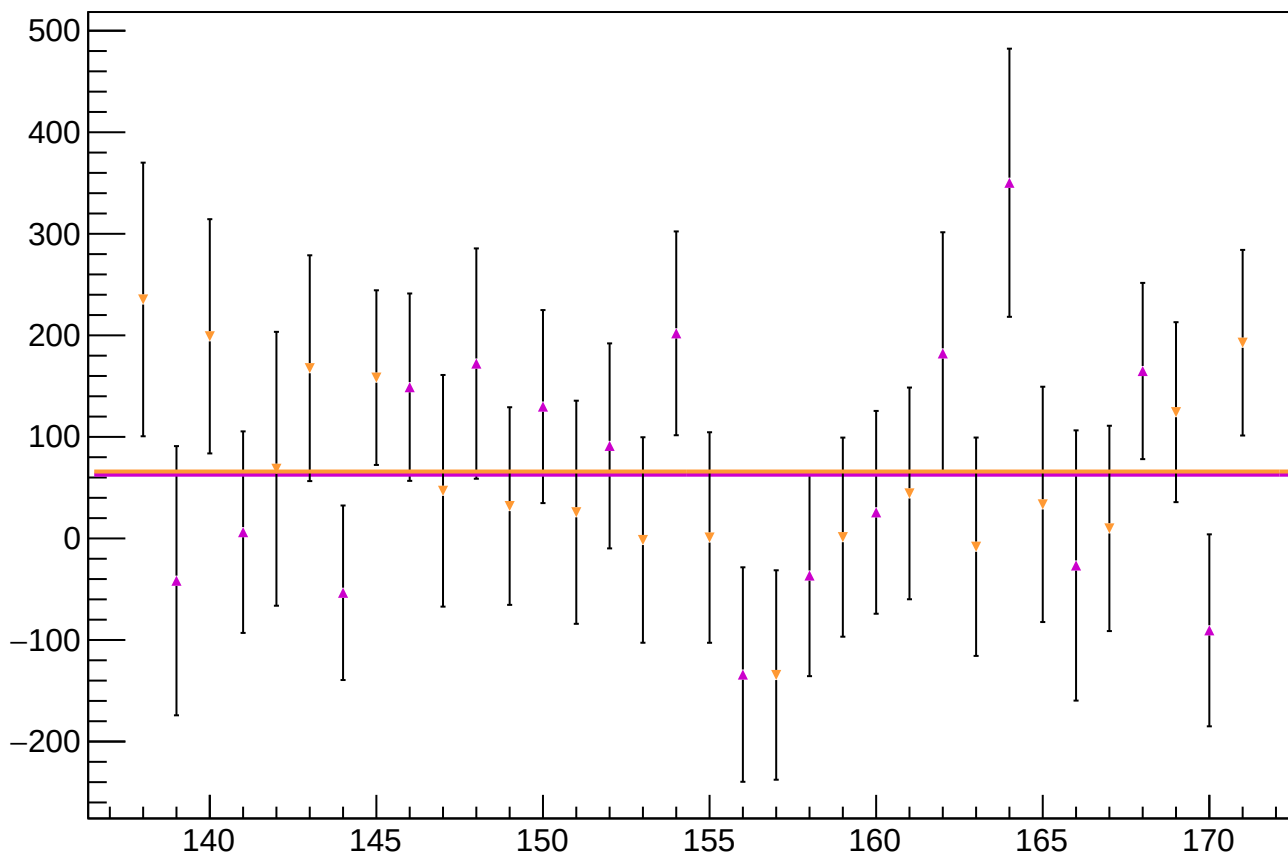
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 694.094+/-0.140 χ^2/NDF : 354067.3/15

Out: 691.506+/-0.135 χ^2/NDF : 490741.8/17

All: 692.748+/-0.097 χ^2/NDF : 844986.6/33

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 65.906+/-24.594 χ^2/NDF :13.5/17

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

Left In: 62.778+/-25.669 χ^2/NDF :21.9/15

Left: 64.409+/-17.758 χ^2/NDF : 35.4/33

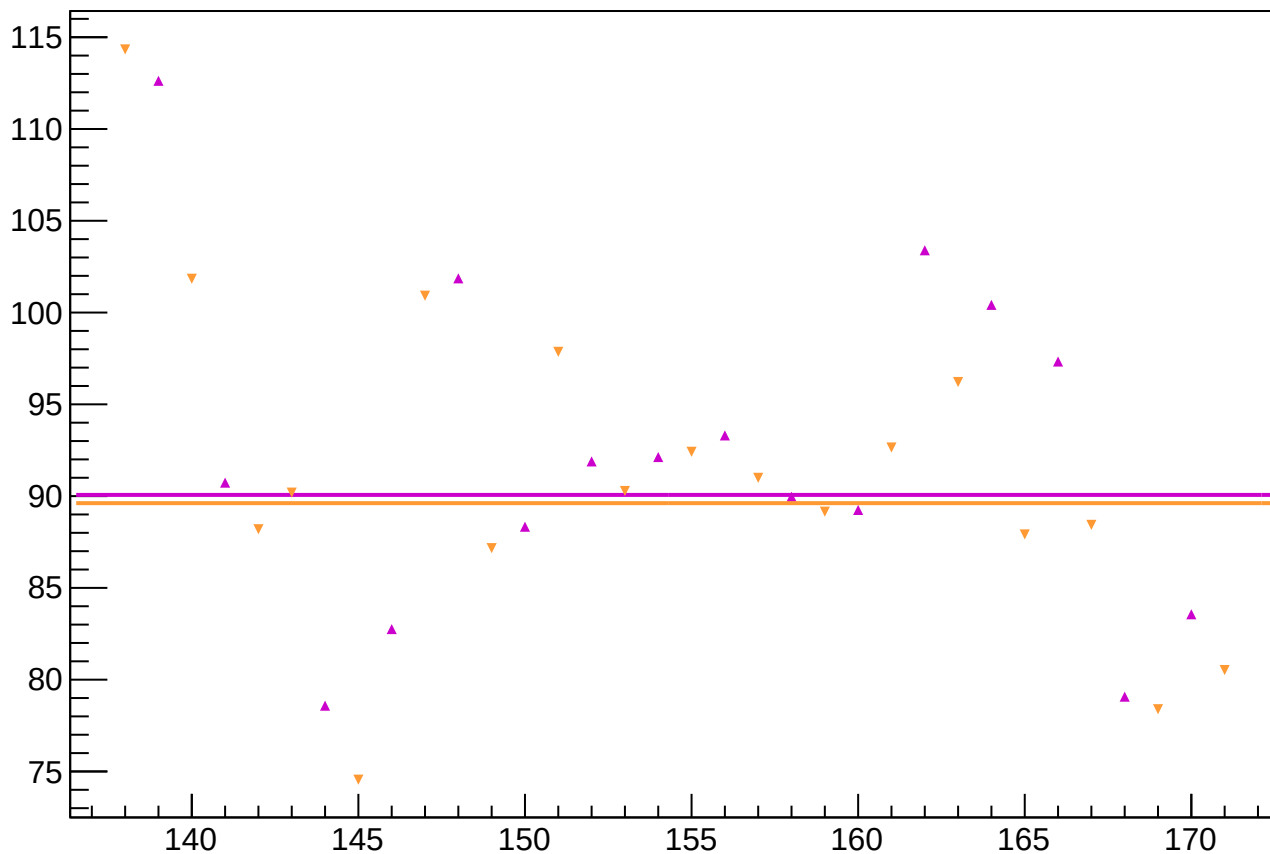
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.778+/-25.669 χ^2/NDF :21.9/15

Out: 65.906+/-24.594 χ^2/NDF :13.5/17

All: 64.409+/-17.758 χ^2/NDF : 35.4/33

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 89.616+/-0.017 χ^2/NDF :247370.8/17

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

Left In: 90.066+/-0.018 χ^2/NDF :216868.2/15

Left: 89.832+/-0.013 χ^2/NDF : 464558.7/33

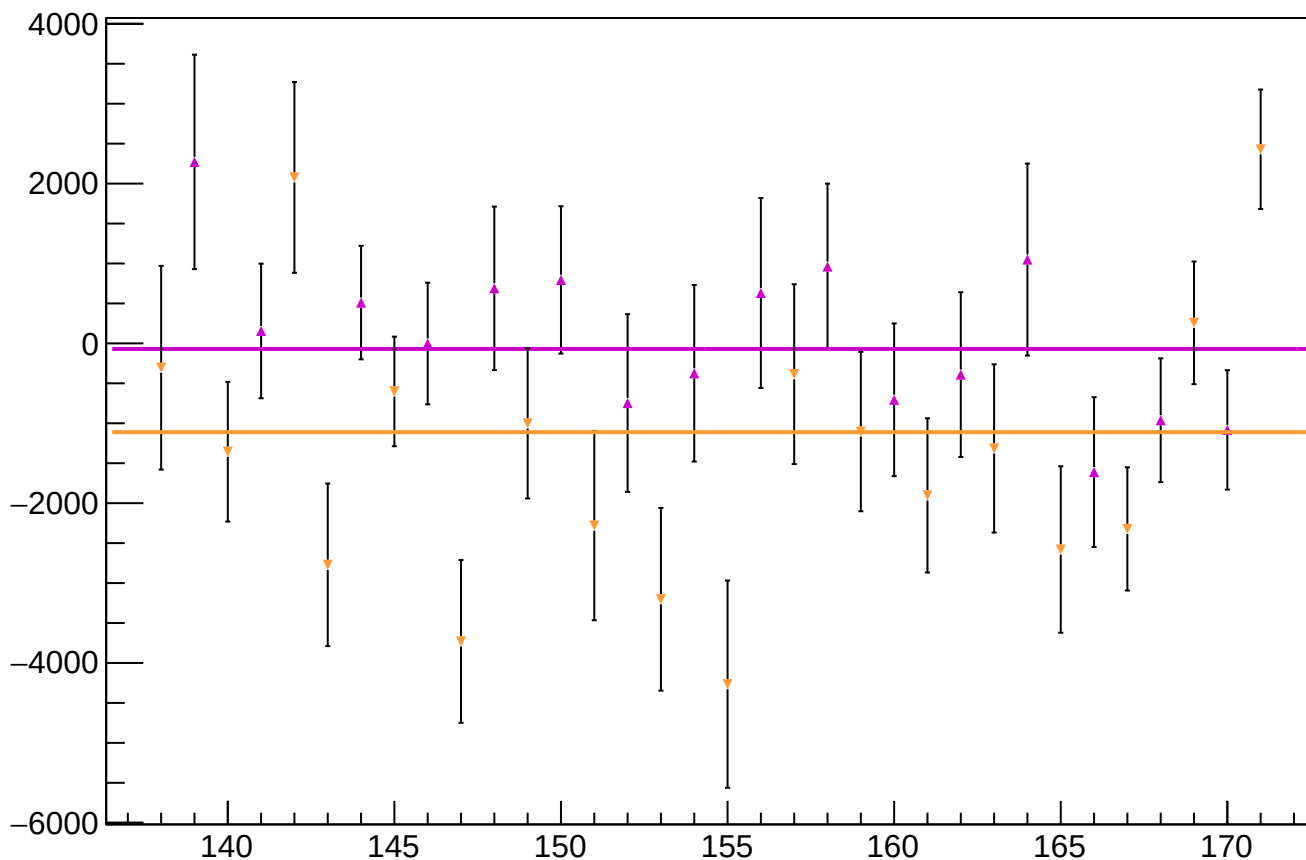
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 90.066+/-0.018 χ^2/NDF :216868.2/15

Out: 89.616+/-0.017 χ^2/NDF :247370.8/17

All: 89.832+/-0.013 χ^2/NDF : 464558.7/33

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1111.361+/-225.063 χ^2/NDF :58.9/17

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

Left In: -69.511+/-233.178 χ^2/NDF :14.3/15

Left: -608.880+/-161.937 χ^2/NDF : 83.5/33

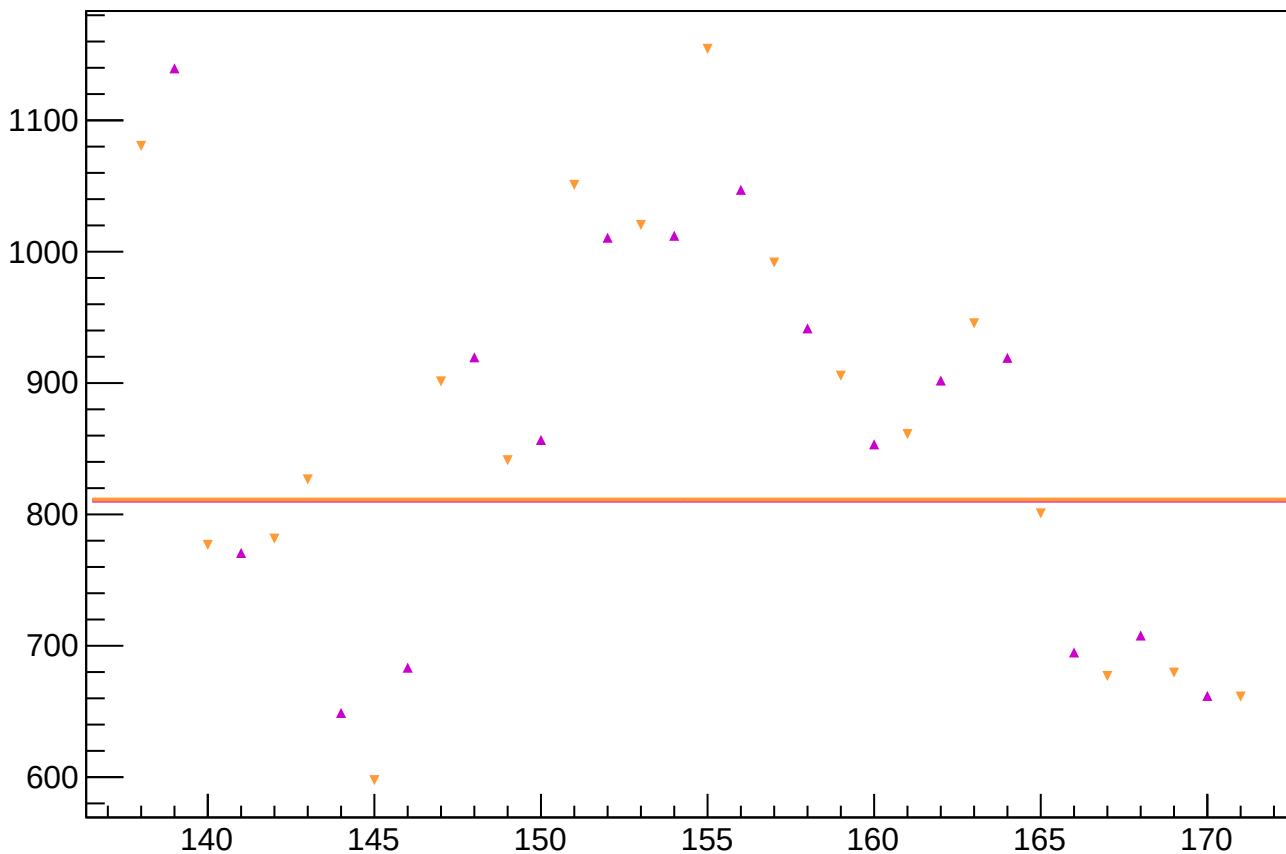
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -69.511+/-233.178 χ^2/NDF :14.3/15

Out: -1111.361+/-225.063 χ^2/NDF :58.9/17

All: -608.880+/-161.937 χ^2/NDF : 83.5/33

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 811.273+/-0.159 χ^2/NDF : 901434.9/17

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

Left In: 810.557+/-0.165 χ^2/NDF : 735249.7/15

Left: 810.927+/-0.115 χ^2/NDF : 1636694.4/33

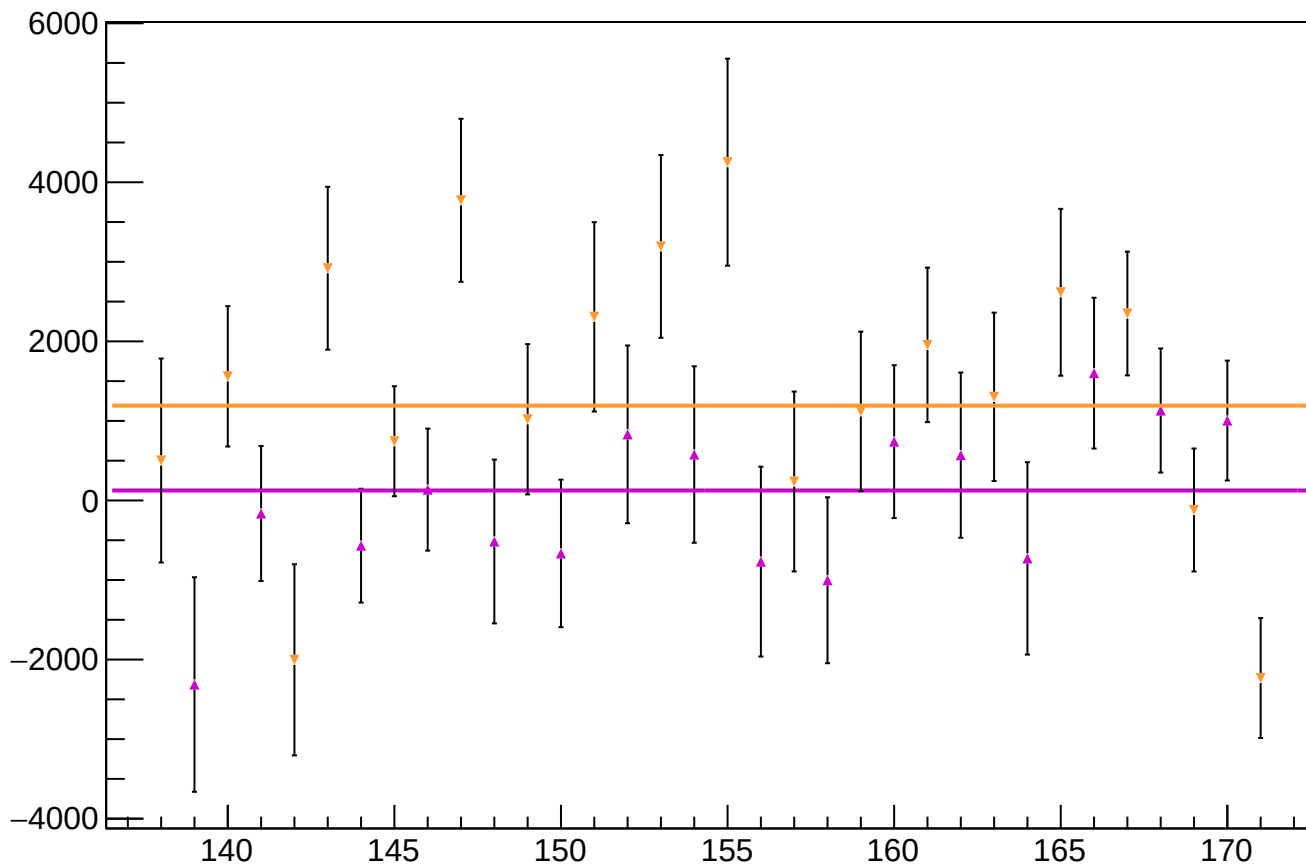
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 810.557+/-0.165 χ^2/NDF : 735249.7/15

Out: 811.273+/-0.159 χ^2/NDF : 901434.9/17

All: 810.927+/-0.115 χ^2/NDF : 1636694.4/33

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1192.155+/-226.535 χ^2/NDF :55.6/17

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

Left In: 125.506+/-234.722 χ^2/NDF :14.3/15

Left: 677.758+/-163.002 χ^2/NDF : 80.5/33

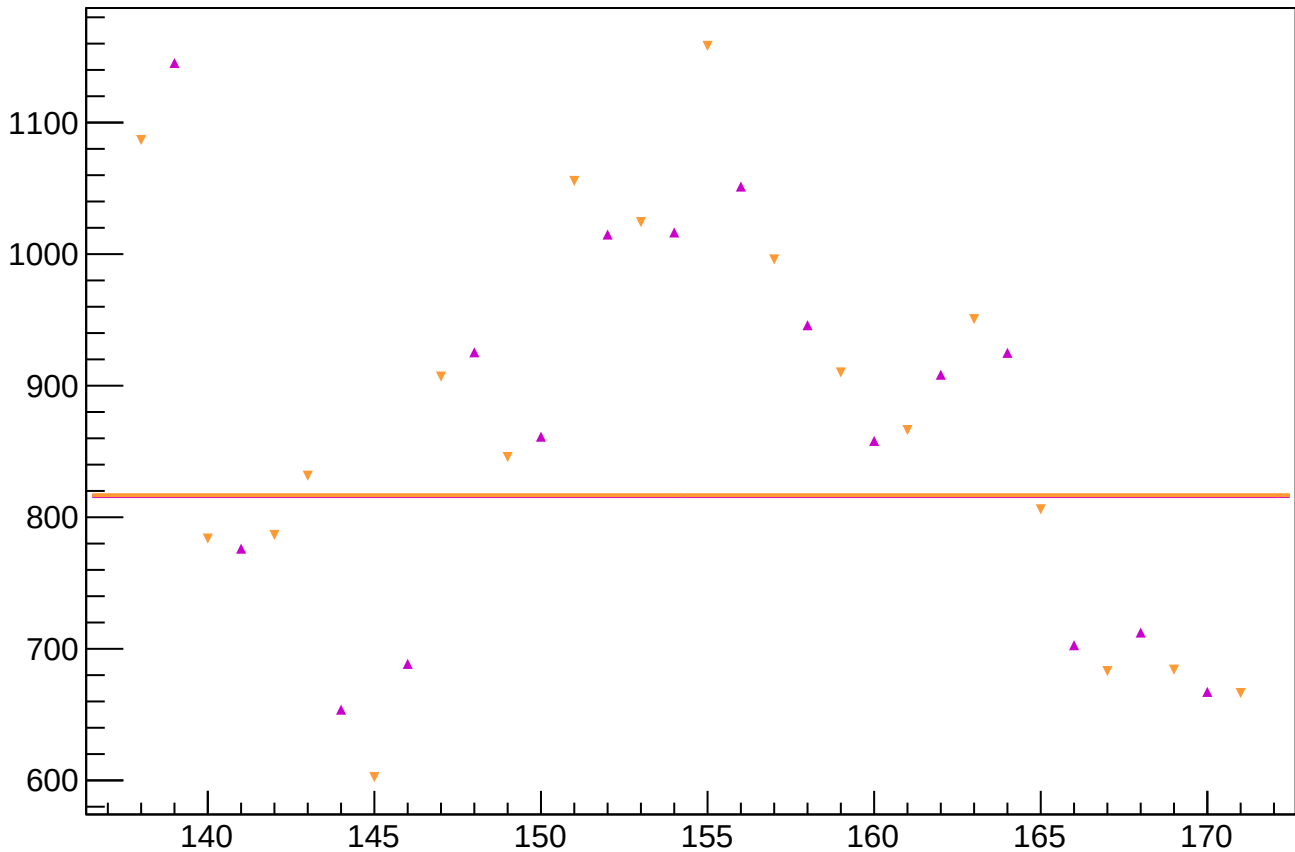
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 125.506+/-234.722 χ^2/NDF :14.3/15

Out: 1192.155+/-226.535 χ^2/NDF :55.6/17

All: 677.758+/-163.002 χ^2/NDF : 80.5/33

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 816.782+/-0.160 χ^2/NDF : 888841.6/17

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

Left In: 816.120+/-0.166 χ^2/NDF : 724338.6/15

Left: 816.463+/-0.115 χ^2/NDF : 1613188.5/33

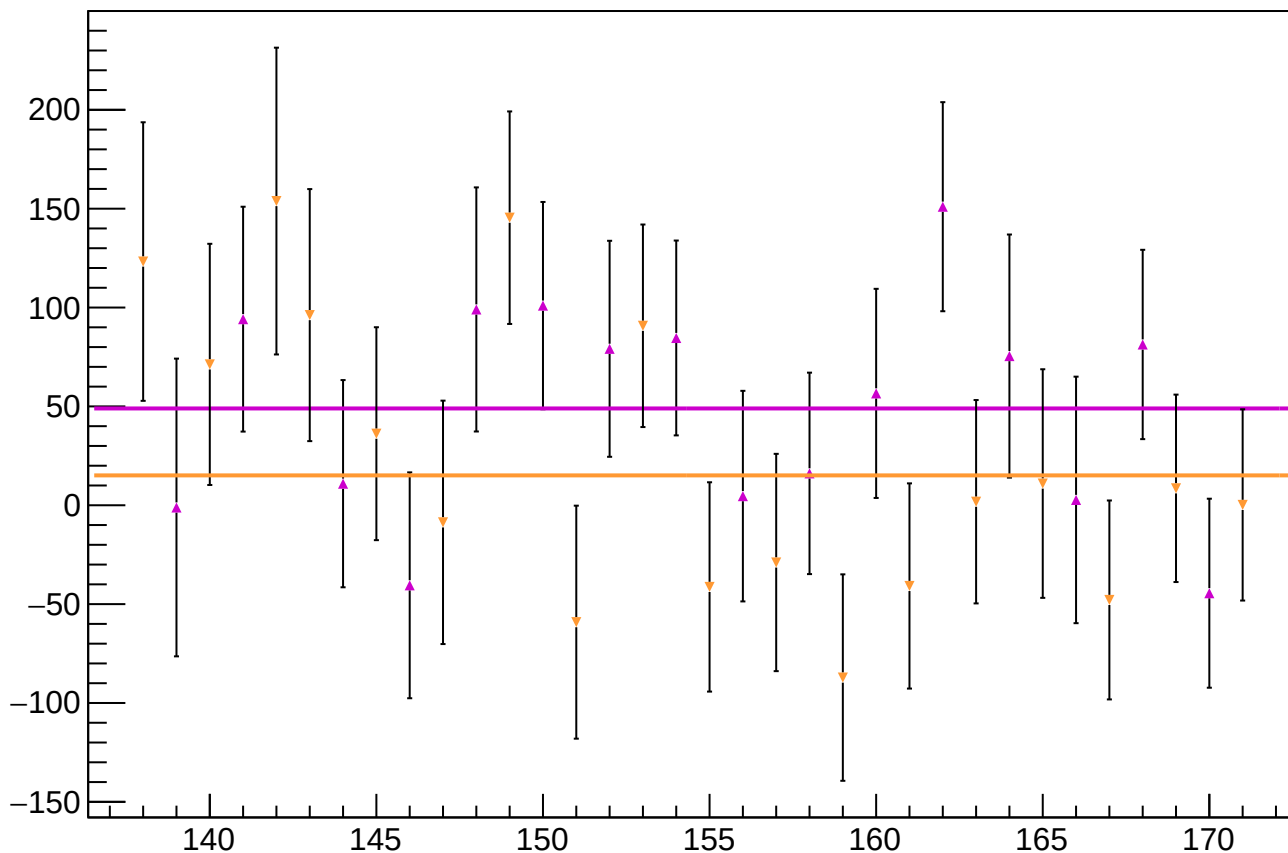
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 816.120+/-0.166 χ^2/NDF : 724338.6/15

Out: 816.782+/-0.160 χ^2/NDF : 888841.6/17

All: 816.463+/-0.115 χ^2/NDF : 1613188.5/33

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 15.110+/-13.043 χ^2/NDF :26.5/17

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

Left In: 48.960+/-13.635 χ^2/NDF :16.4/15

Left: 31.284+/-9.425 χ^2/NDF : 46.1/33

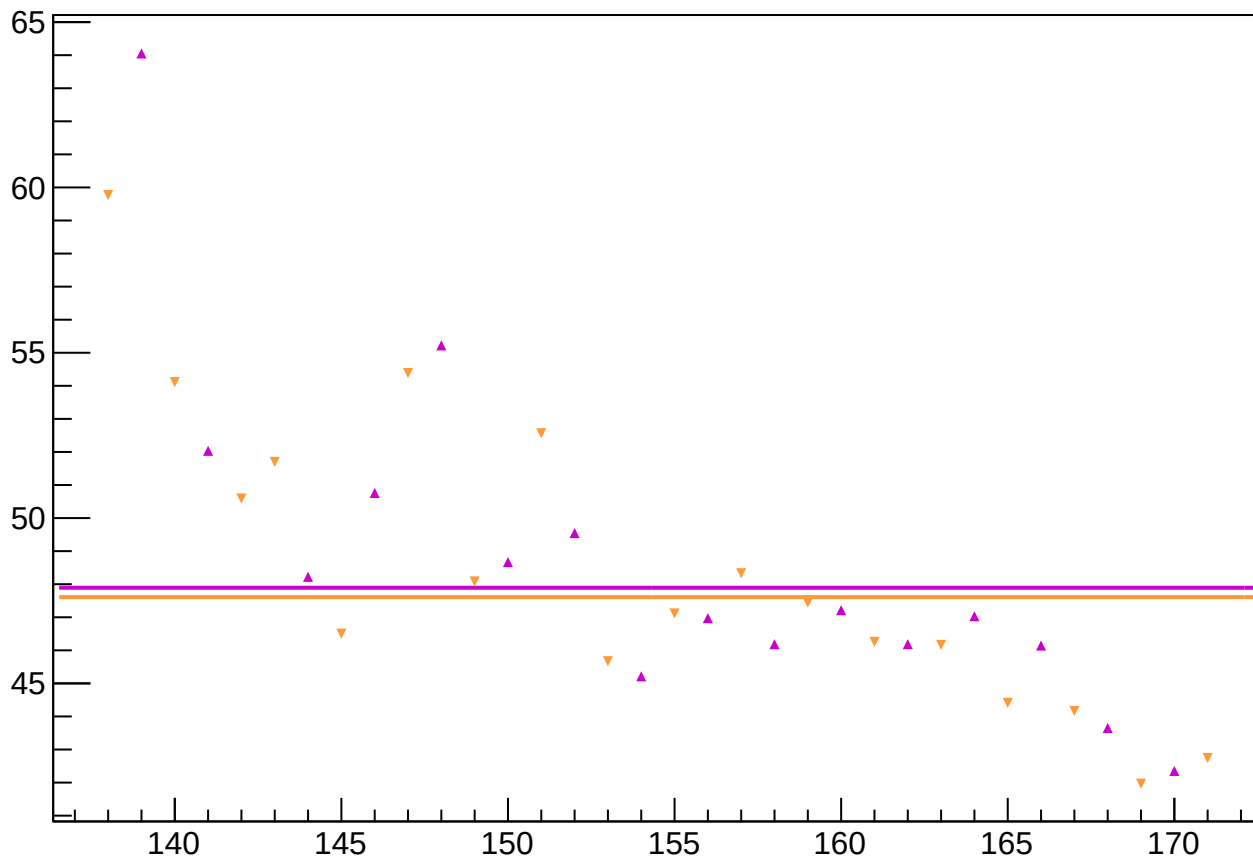
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.960+/-13.635 χ^2/NDF :16.4/15

Out: 15.110+/-13.043 χ^2/NDF :26.5/17

All: 31.284+/-9.425 χ^2/NDF : 46.1/33

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 47.610+/-0.009 χ^2/NDF :203313.0/17

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

Left In: 47.893+/-0.010 χ^2/NDF :194047.8/15

Left: 47.745+/-0.007 χ^2/NDF : 397811.5/33

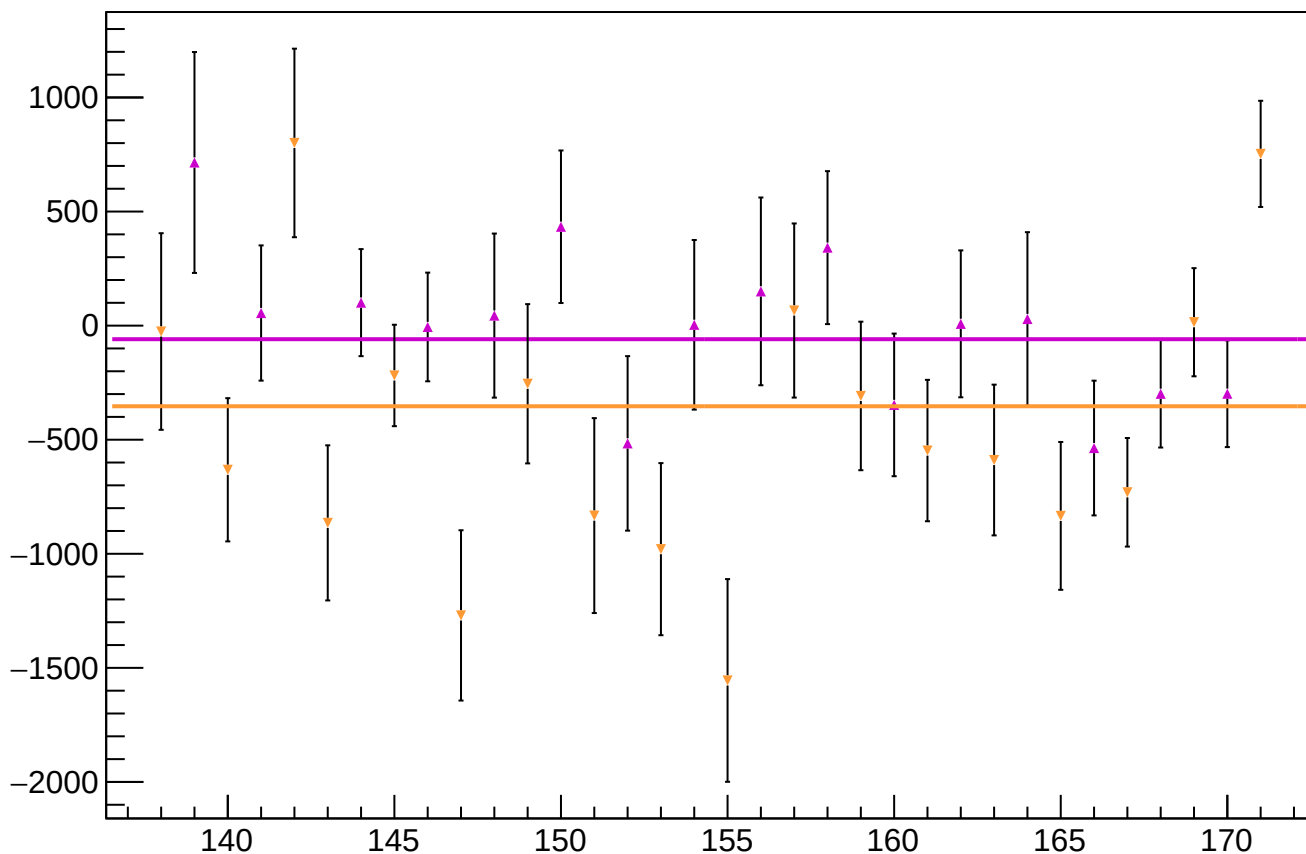
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.893+/-0.010 χ^2/NDF :194047.8/15

Out: 47.610+/-0.009 χ^2/NDF :203313.0/17

All: 47.745+/-0.007 χ^2/NDF : 397811.5/33

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -353.403+/-74.005 χ^2/NDF :61.1/17

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

Left In: -59.464+/-76.351 χ^2/NDF :14.3/15

Left: -211.018+/-53.140 χ^2/NDF : 83.0/33

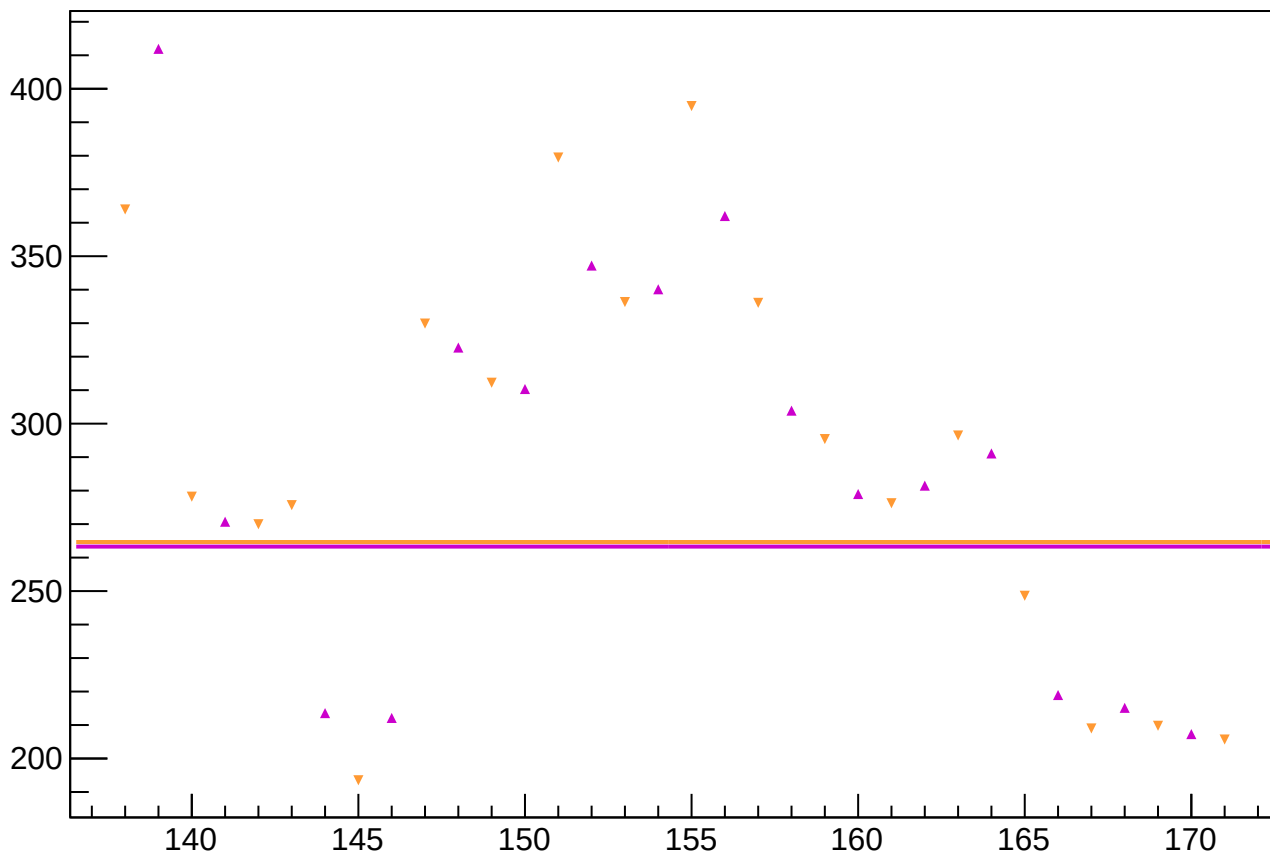
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -59.464+/-76.351 χ^2/NDF :14.3/15

Out: -353.403+/-74.005 χ^2/NDF :61.1/17

All: -211.018+/-53.140 χ^2/NDF : 83.0/33

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 264.656+/-0.052 χ^2/NDF :1263319.8/17

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

Left In: 263.286+/-0.054 χ^2/NDF :1057652.9/15

Left: 263.993+/-0.038 χ^2/NDF : 2321304.5/33

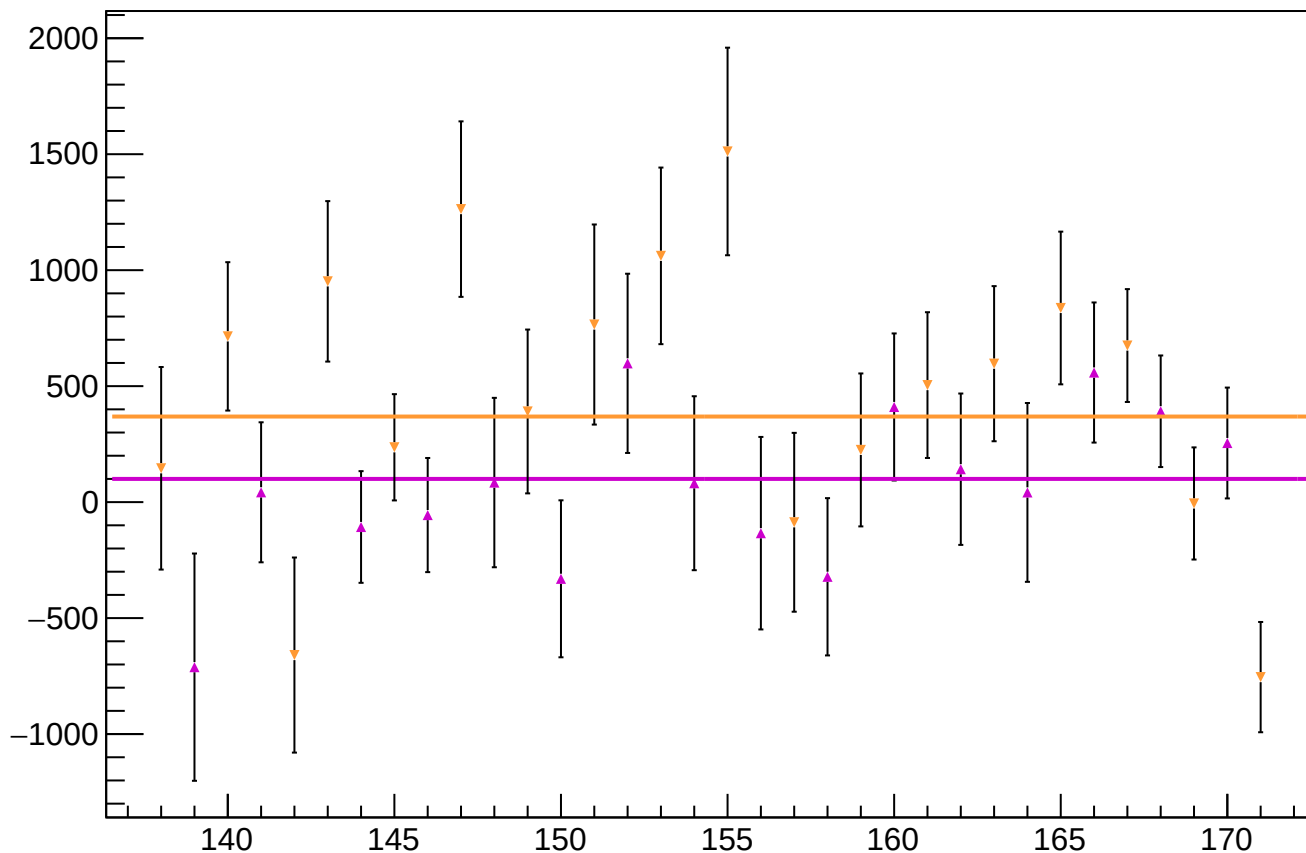
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 263.286+/-0.054 χ^2/NDF :1057652.9/15

Out: 264.656+/-0.052 χ^2/NDF :1263319.8/17

All: 263.993+/-0.038 χ^2/NDF : 2321304.5/33

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 368.945+/-75.318 χ^2/NDF :57.4/17

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

Left In: 100.050+/-77.781 χ^2/NDF :14.3/15

Left: 238.823+/-54.108 χ^2/NDF : 77.9/33

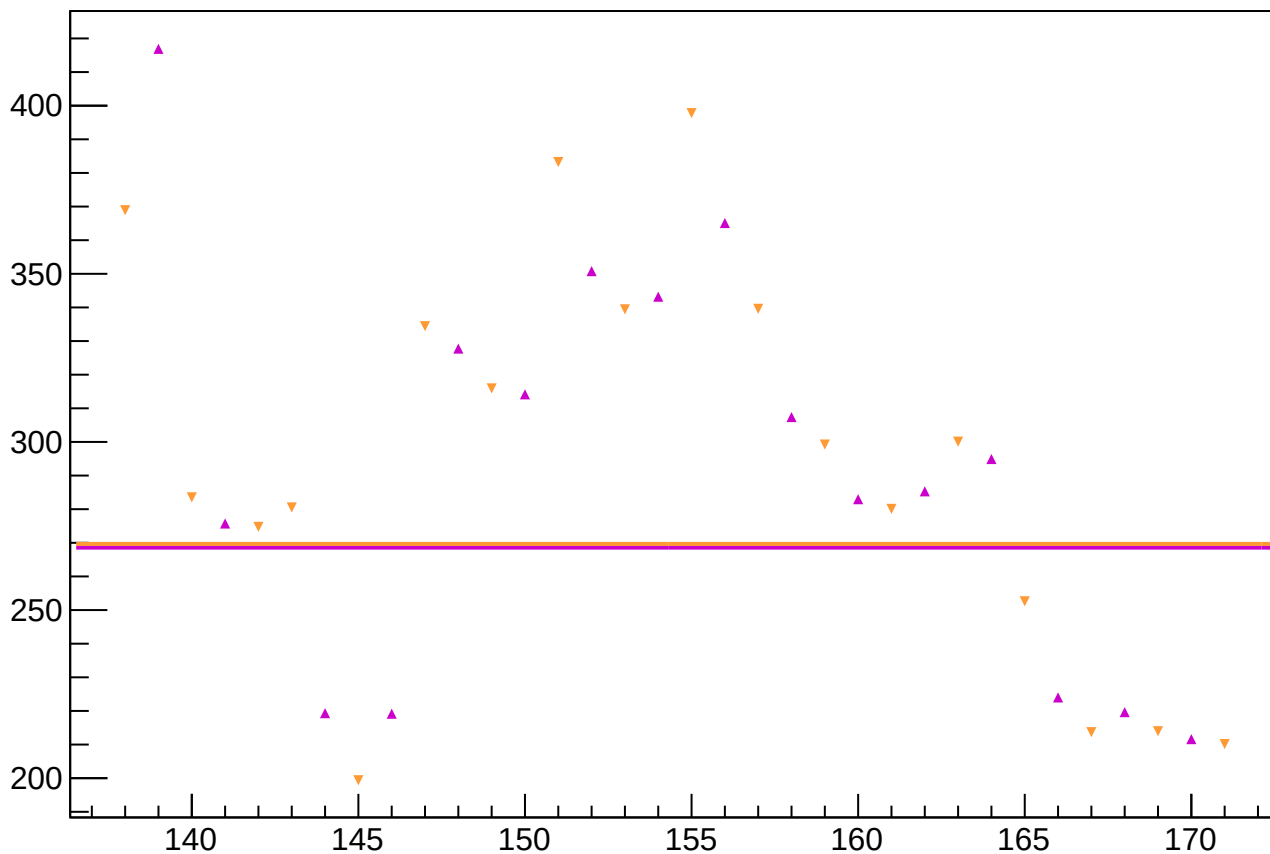
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 100.050+/-77.781 χ^2/NDF :14.3/15

Out: 368.945+/-75.318 χ^2/NDF :57.4/17

All: 238.823+/-54.108 χ^2/NDF : 77.9/33

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 269.676+/-0.053 χ^2/NDF :1203706.5/17

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

Left In: 268.567+/-0.055 χ^2/NDF :1000491.6/15

Left: 269.139+/-0.038 χ^2/NDF : 2204407.6/33

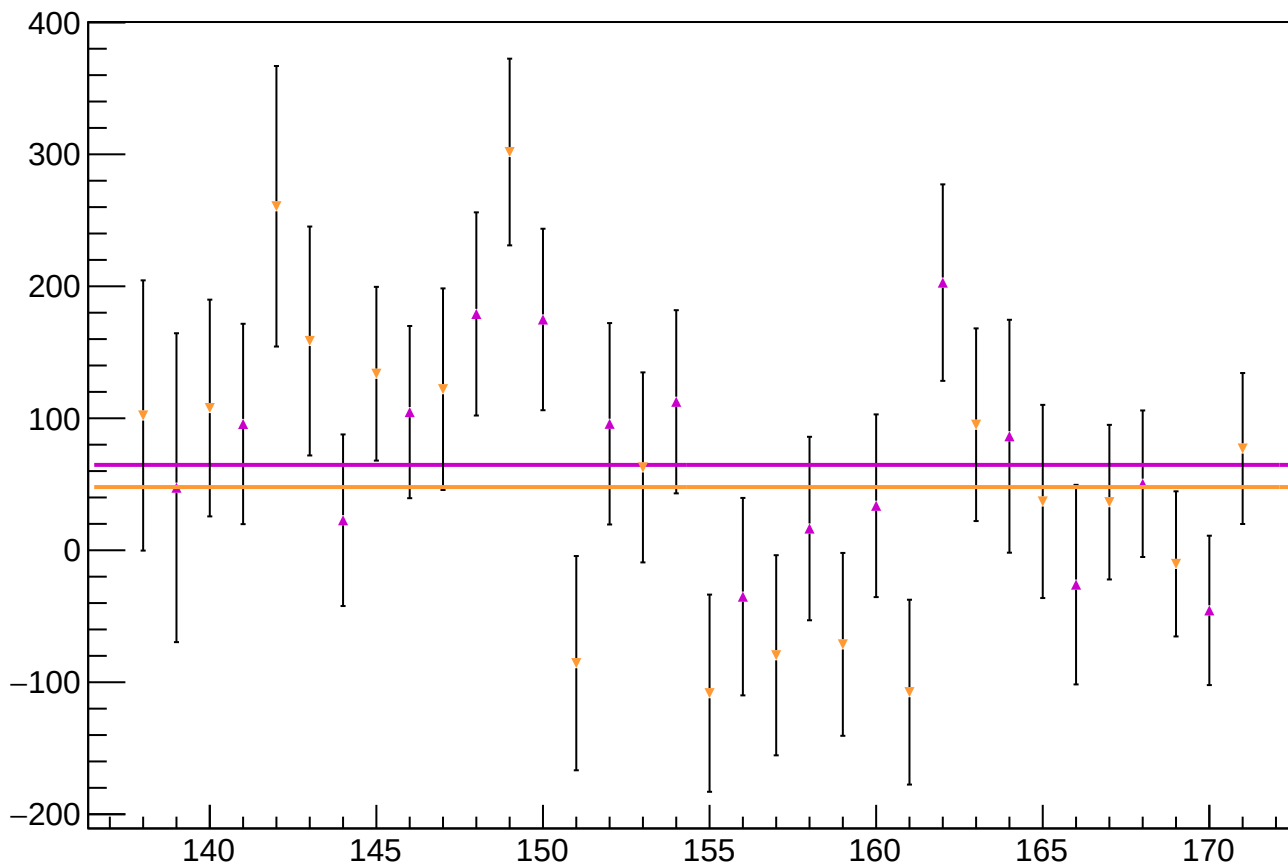
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 268.567+/-0.055 χ^2/NDF :1000491.6/15

Out: 269.676+/-0.053 χ^2/NDF :1203706.5/17

All: 269.139+/-0.038 χ^2/NDF : 2204407.6/33

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 47.891+/-16.952 χ^2/NDF : 41.7/17

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

Left In: 64.688+/-17.697 χ^2/NDF : 17.7/15

Left: 55.928+/-12.242 χ^2/NDF : 59.8/33

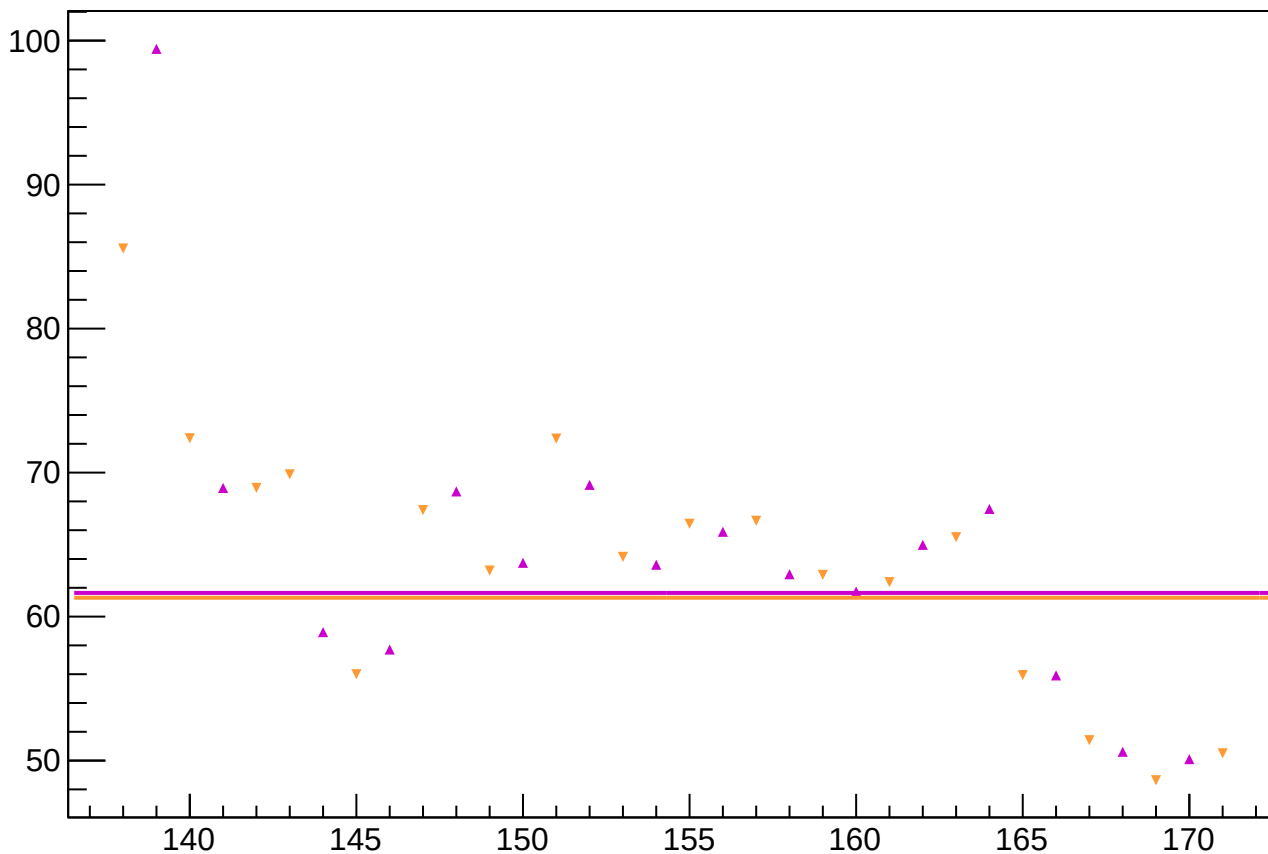
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.688+/-17.697 χ^2/NDF : 17.7/15

Out: 47.891+/-16.952 χ^2/NDF : 41.7/17

All: 55.928+/-12.242 χ^2/NDF : 59.8/33

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 61.310+/-0.012 χ^2/NDF : 518890.4/17

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

Left In: 61.645+/-0.013 χ^2/NDF : 470822.4/15

Left: 61.470+/-0.009 χ^2/NDF : 990085.7/33

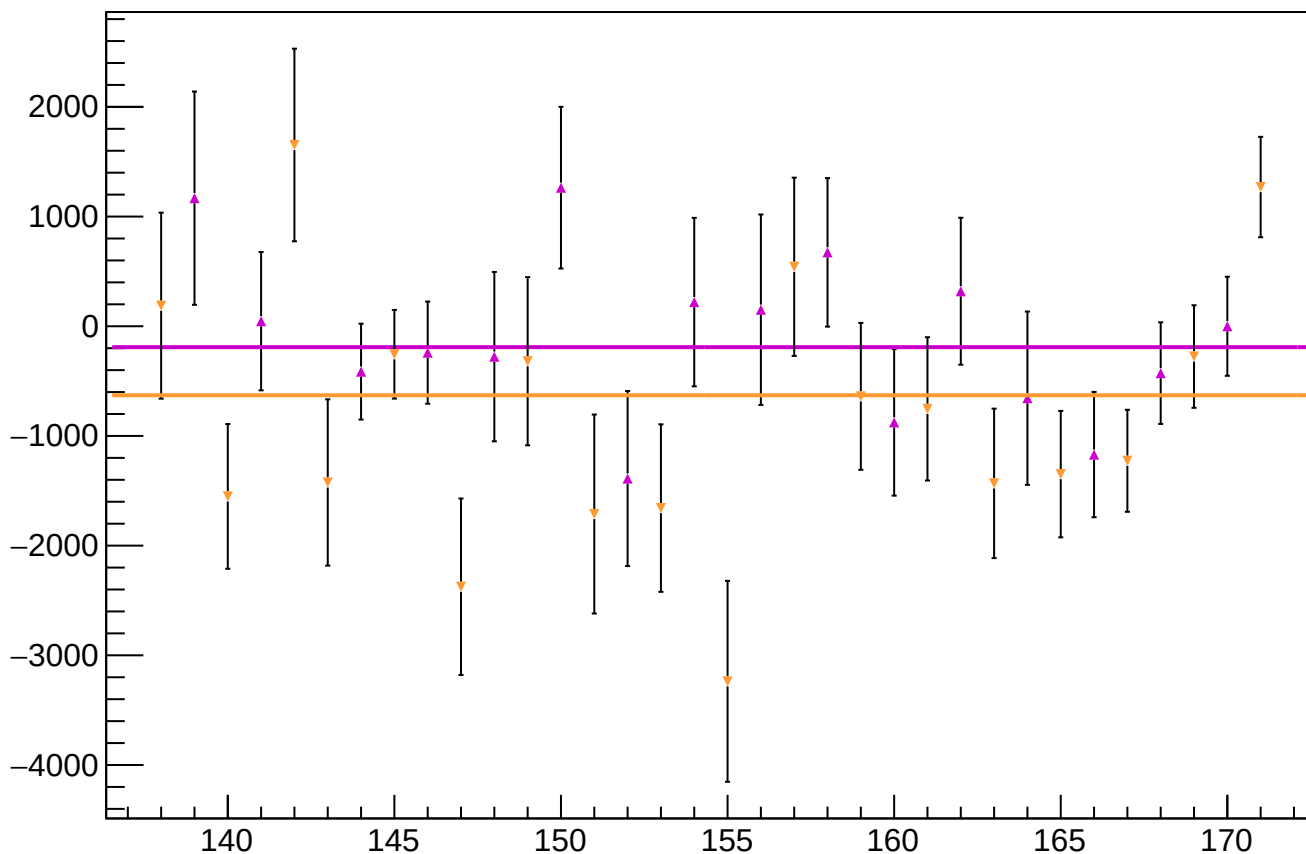
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 61.645+/-0.013 χ^2/NDF : 470822.4/15

Out: 61.310+/-0.012 χ^2/NDF : 518890.4/17

All: 61.470+/-0.009 χ^2/NDF : 990085.7/33

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -629.143+/-148.343 χ^2/NDF :52.3/17

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

Left In: -190.576+/-153.546 χ^2/NDF :15.9/15

Left: -417.416+/-106.686 χ^2/NDF : 72.5/33

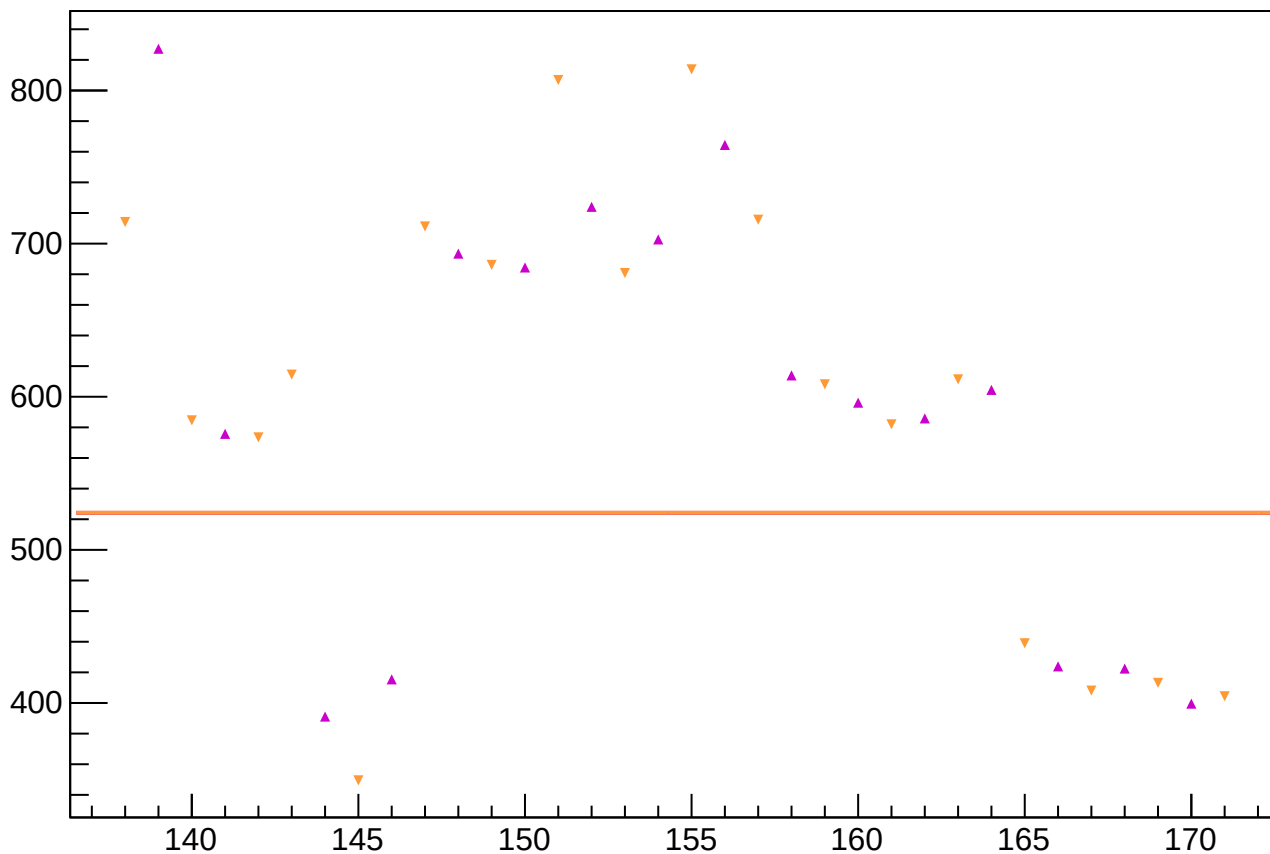
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -190.576+/-153.546 χ^2/NDF :15.9/15

Out: -629.143+/-148.343 χ^2/NDF :52.3/17

All: -417.416+/-106.686 χ^2/NDF : 72.5/33

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 524.252+/-0.105 χ^2/NDF :1810134.5/17

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

Left In: 524.121+/-0.109 χ^2/NDF :1486070.5/15

Left: 524.189+/-0.075 χ^2/NDF : 3296205.7/33

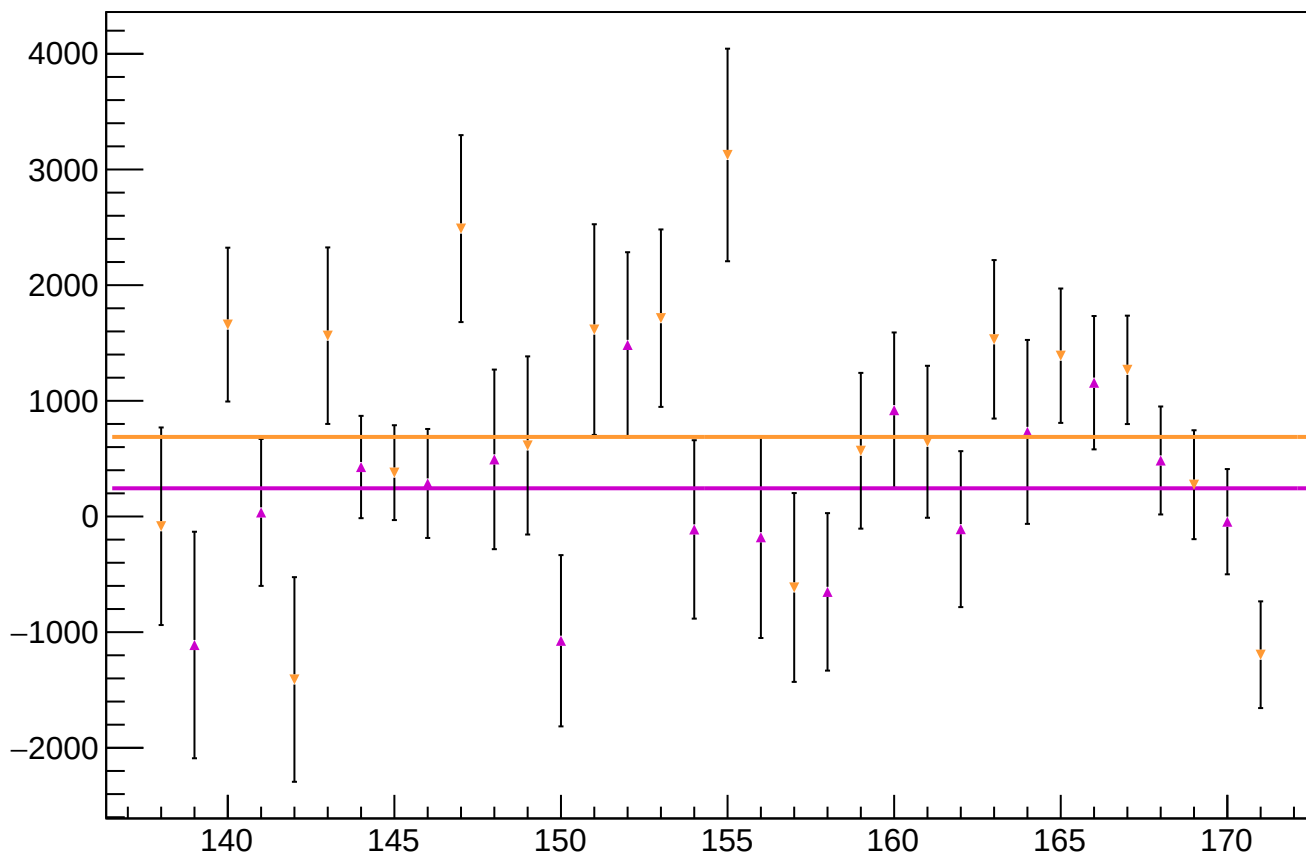
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 524.121+/-0.109 χ^2/NDF :1486070.5/15

Out: 524.252+/-0.105 χ^2/NDF :1810134.5/17

All: 524.189+/-0.075 χ^2/NDF : 3296205.7/33

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 687.921+/-149.466 χ^2/NDF :49.8/17

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

Left In: 243.801+/-154.736 χ^2/NDF :14.9/15

Left: 473.552+/-107.503 χ^2/NDF : 69.0/33

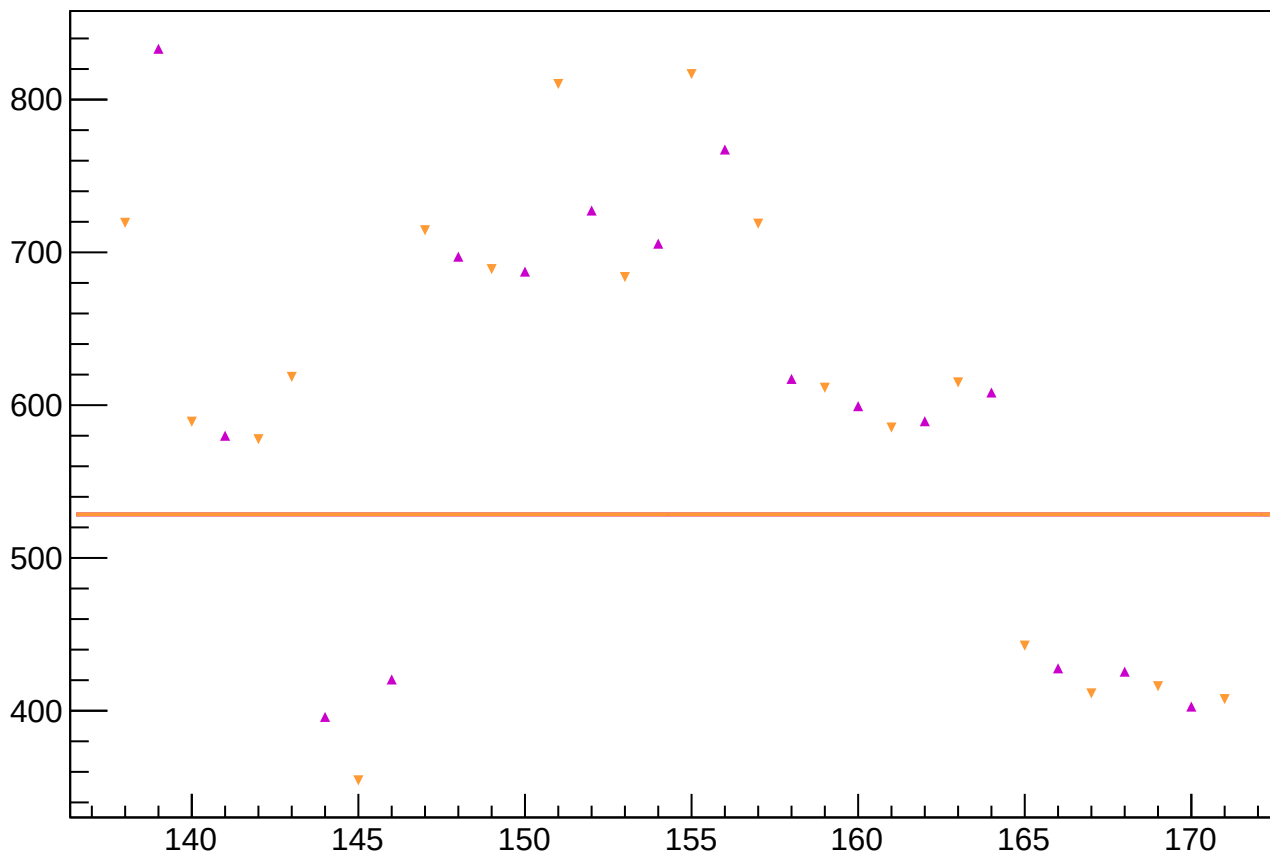
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 243.801+/-154.736 χ^2/NDF :14.9/15

Out: 687.921+/-149.466 χ^2/NDF :49.8/17

All: 473.552+/-107.503 χ^2/NDF : 69.0/33

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 528.537+/-0.106 χ^2/NDF :1779633.4/17

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

Left In: 528.482+/-0.109 χ^2/NDF :1461006.2/15

Left: 528.511+/-0.076 χ^2/NDF : 3240639.7/33

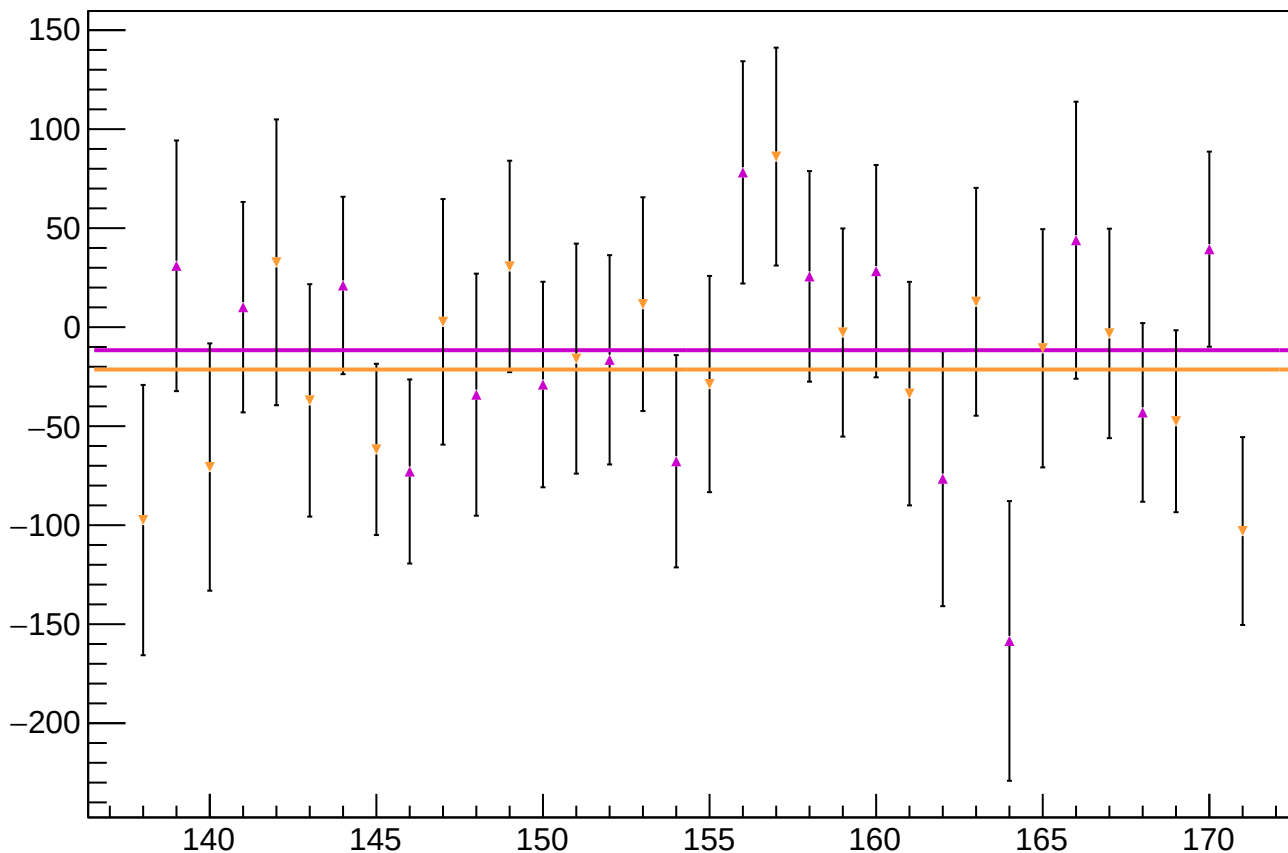
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 528.482+/-0.109 χ^2/NDF :1461006.2/15

Out: 528.537+/-0.106 χ^2/NDF :1779633.4/17

All: 528.511+/-0.076 χ^2/NDF : 3240639.7/33

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -21.386 $\pm$ 12.981 χ^2 /NDF:12.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -11.634 $\pm$ 13.511 χ^2 /NDF:15.4/15

Left: -16.705 $\pm$ 9.361 χ^2 /NDF: 28.3/33

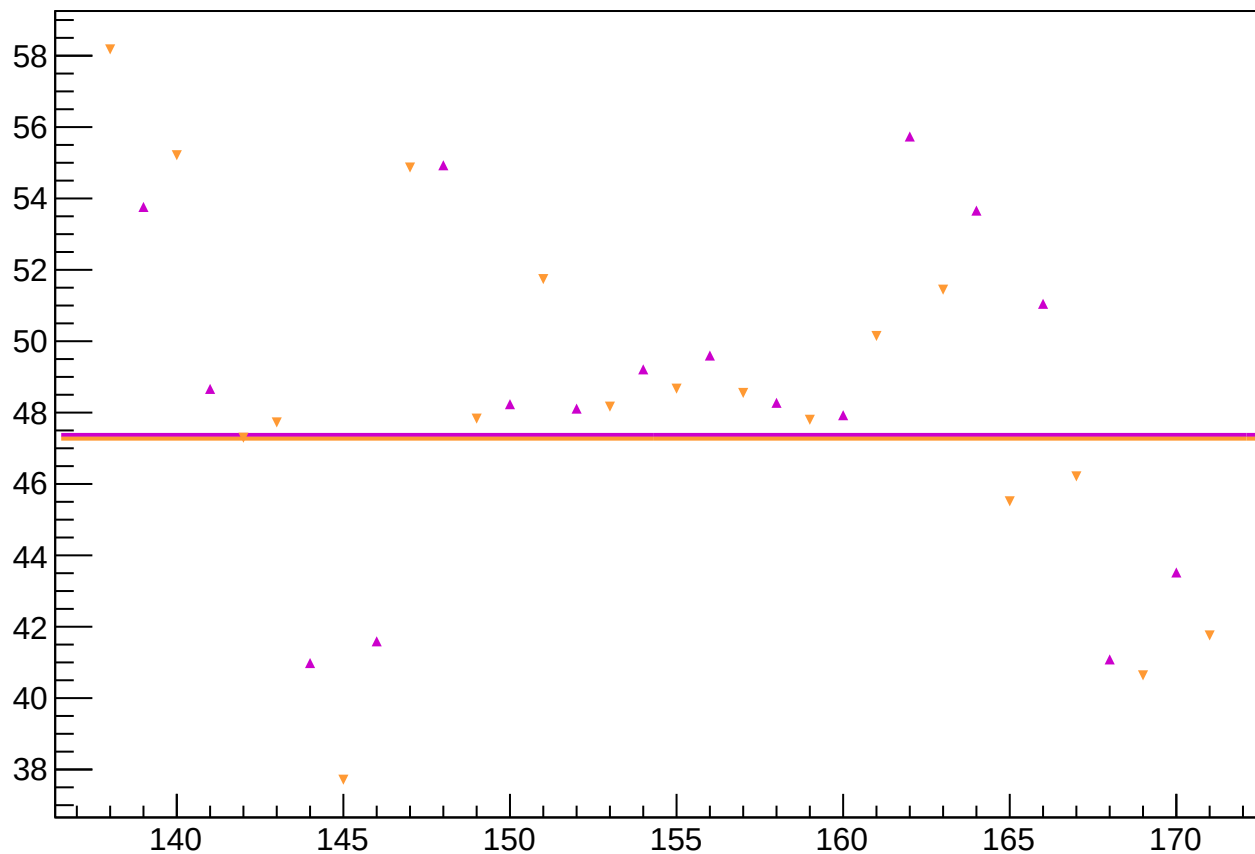
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -11.634 $\pm$ 13.511 χ^2 /NDF:15.4/15

Out: -21.386 $\pm$ 12.981 χ^2 /NDF:12.6/17

All: -16.705 $\pm$ 9.361 χ^2 /NDF: 28.3/33

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: 47.270+/-0.009 χ^2/NDF :313381.2/17

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

Left In: 47.375+/-0.010 χ^2/NDF :237228.4/15

Left: 47.320+/-0.007 χ^2/NDF : 550671.9/33

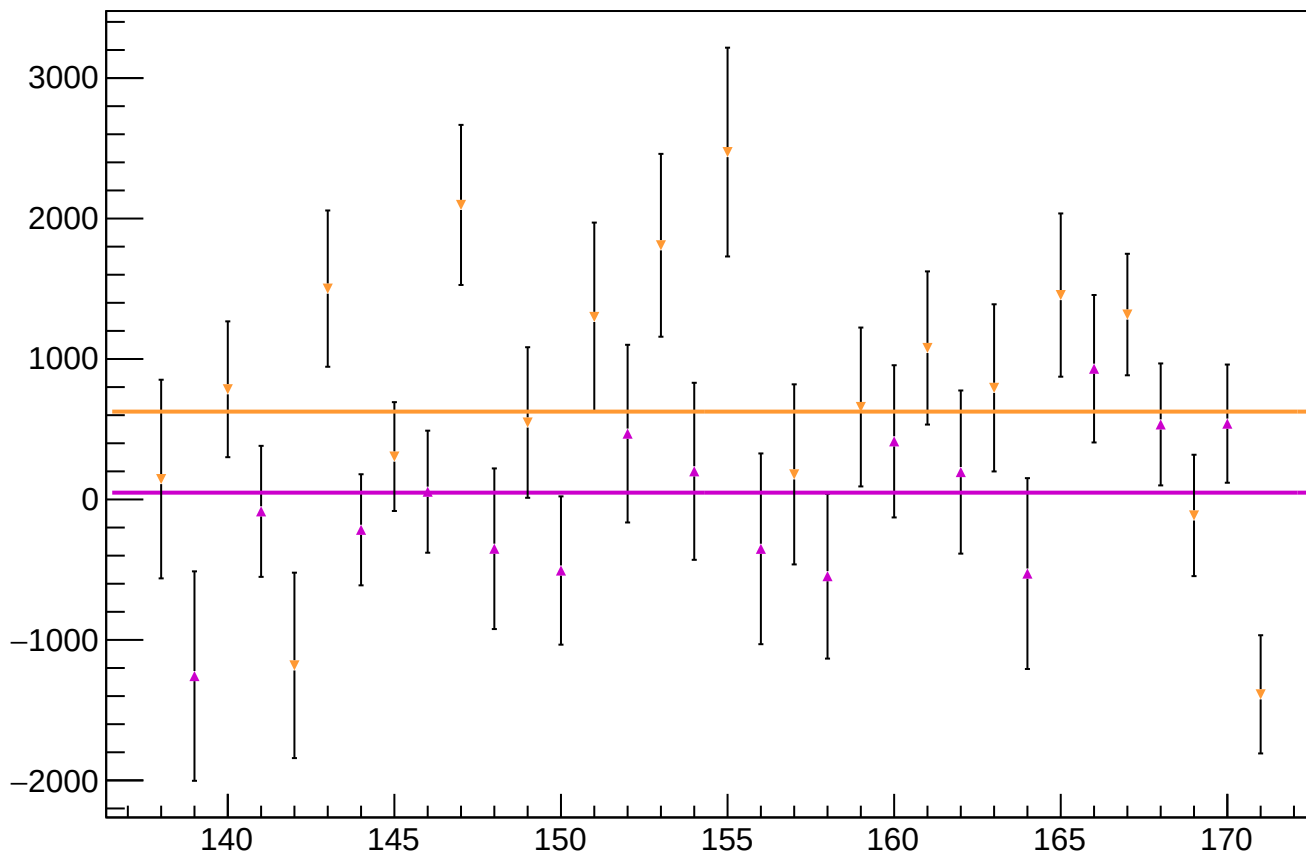
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.375+/-0.010 χ^2/NDF :237228.4/15

Out: 47.270+/-0.009 χ^2/NDF :313381.2/17

All: 47.320+/-0.007 χ^2/NDF : 550671.9/33

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: 625.485+/-126.528 χ^2/NDF : 60.1/17

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

Left In: 48.396+/-131.373 χ^2/NDF : 13.7/15

Left: 347.779+/-91.133 χ^2/NDF : 83.8/33

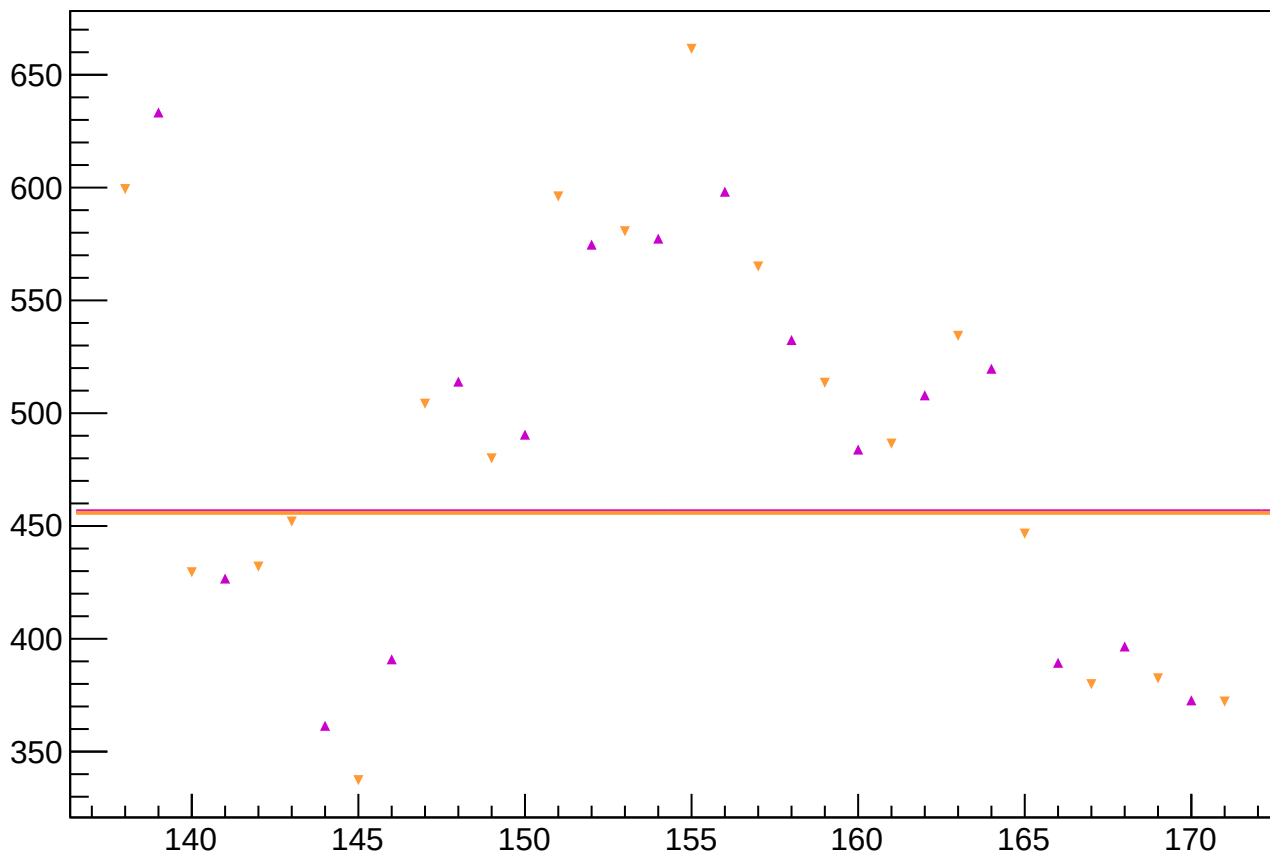
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.396+/-131.373 χ^2/NDF : 13.7/15

Out: 625.485+/-126.528 χ^2/NDF : 60.1/17

All: 347.779+/-91.133 χ^2/NDF : 83.8/33

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: 455.838+/-0.089 χ^2/NDF : 929125.2/17

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

Left In: 456.503+/-0.093 χ^2/NDF : 762420.4/15

Left: 456.158+/-0.064 χ^2/NDF : 1691572.2/33

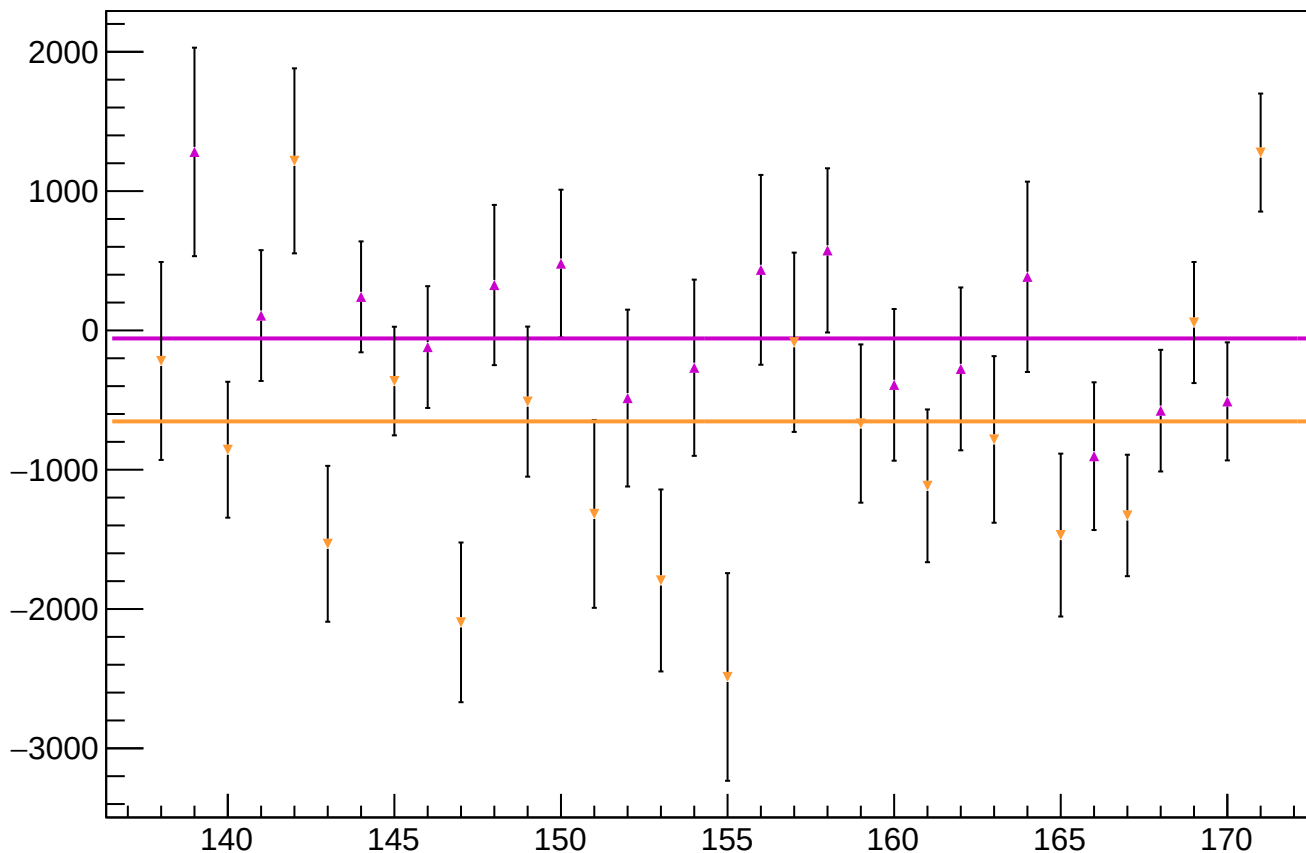
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 456.503+/-0.093 χ^2/NDF : 762420.4/15

Out: 455.838+/-0.089 χ^2/NDF : 929125.2/17

All: 456.158+/-0.064 χ^2/NDF : 1691572.2/33

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -653.137+/-127.260 χ^2/NDF :57.3/17

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

Left In: -57.650+/-132.139 χ^2/NDF :13.6/15

Left: -366.591+/-91.663 χ^2/NDF : 81.5/33

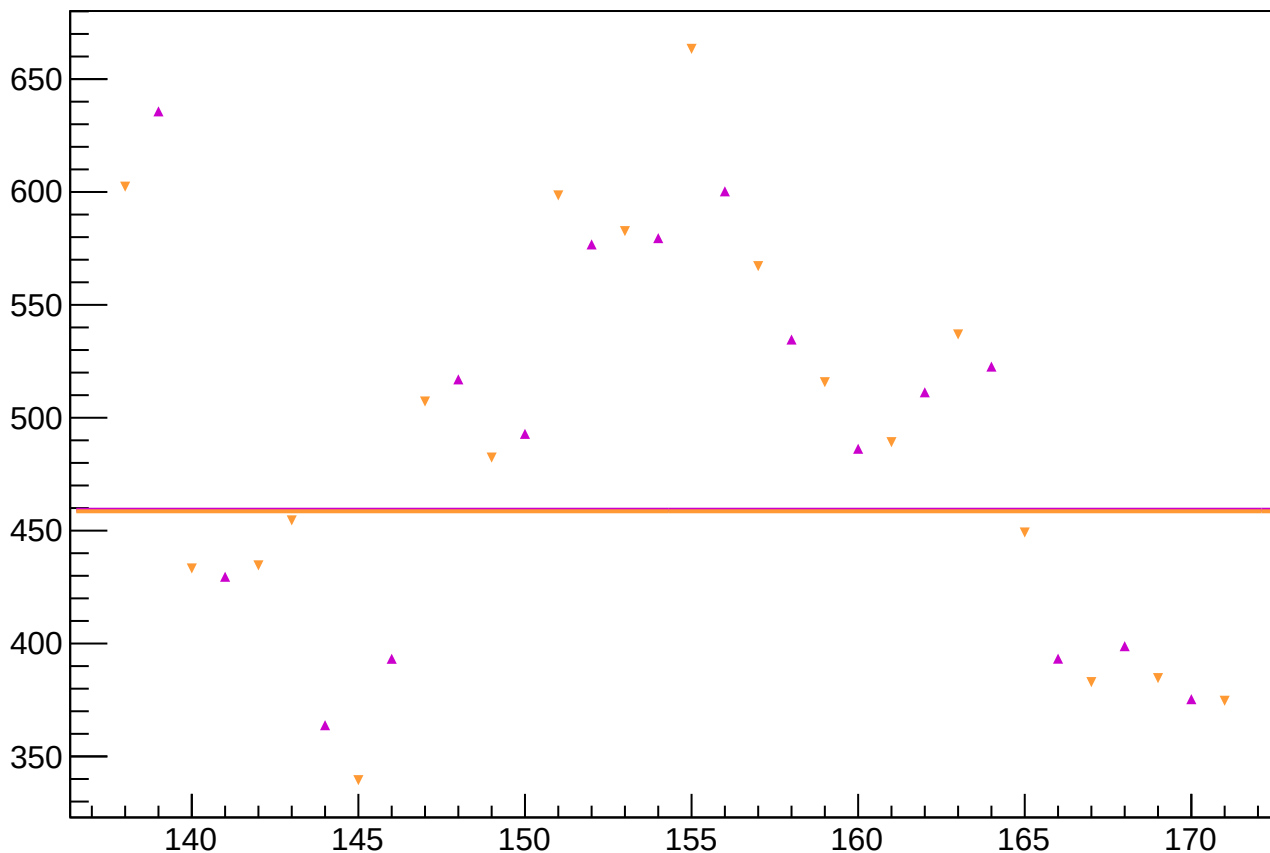
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -57.650+/-132.139 χ^2/NDF :13.6/15

Out: -653.137+/-127.260 χ^2/NDF :57.3/17

All: -366.591+/-91.663 χ^2/NDF : 81.5/33

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 458.576+/-0.090 χ^2/NDF : 918978.7/17

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

Left In: 459.265+/-0.093 χ^2/NDF : 752875.3/15

Left: 458.908+/-0.065 χ^2/NDF : 1671882.1/33

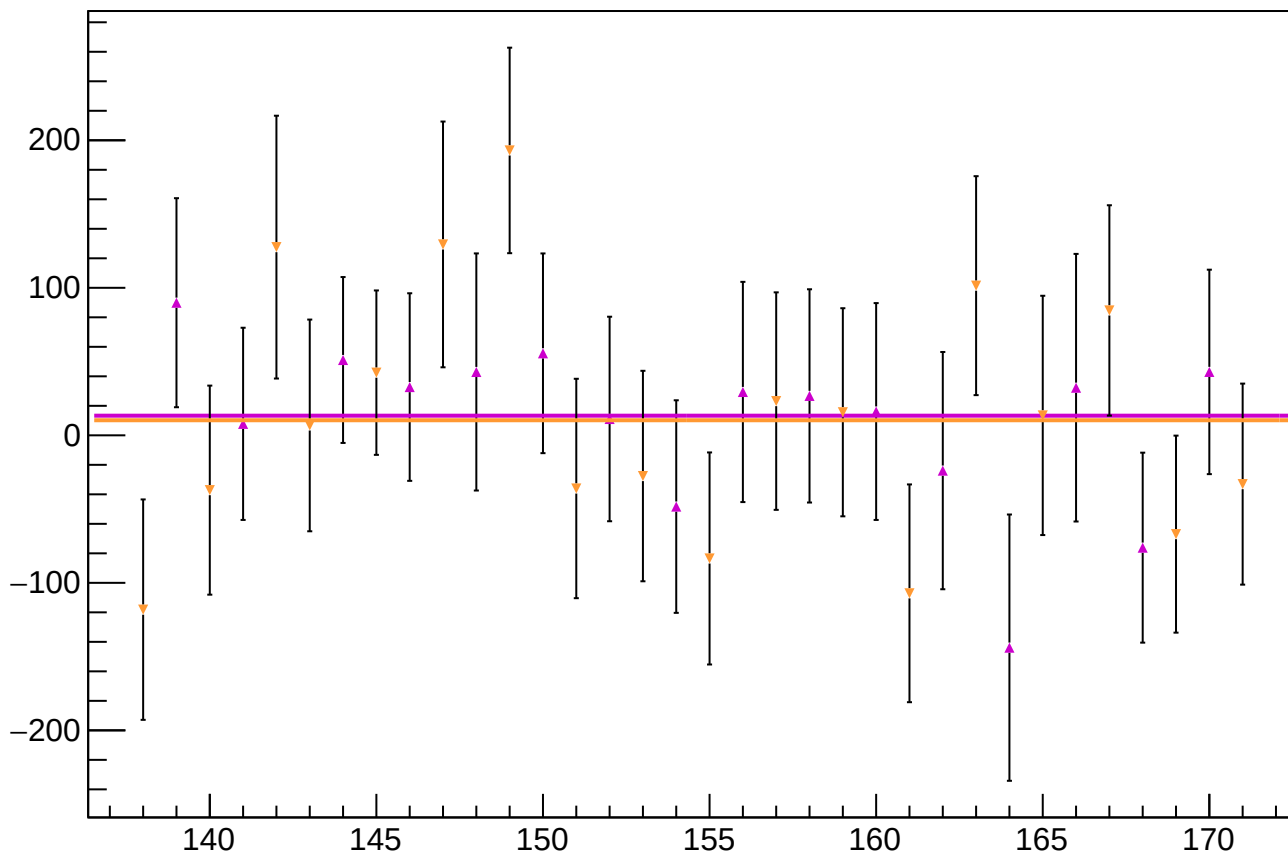
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 459.265+/-0.093 χ^2/NDF : 752875.3/15

Out: 458.576+/-0.090 χ^2/NDF : 918978.7/17

All: 458.908+/-0.065 χ^2/NDF : 1671882.1/33

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: 10.222 $\pm$ 16.951 χ^2 /NDF:23.7/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 13.314 $\pm$ 17.743 χ^2 /NDF:8.5/15

Left: 11.698 $\pm$ 12.257 χ^2 /NDF: 32.2/33

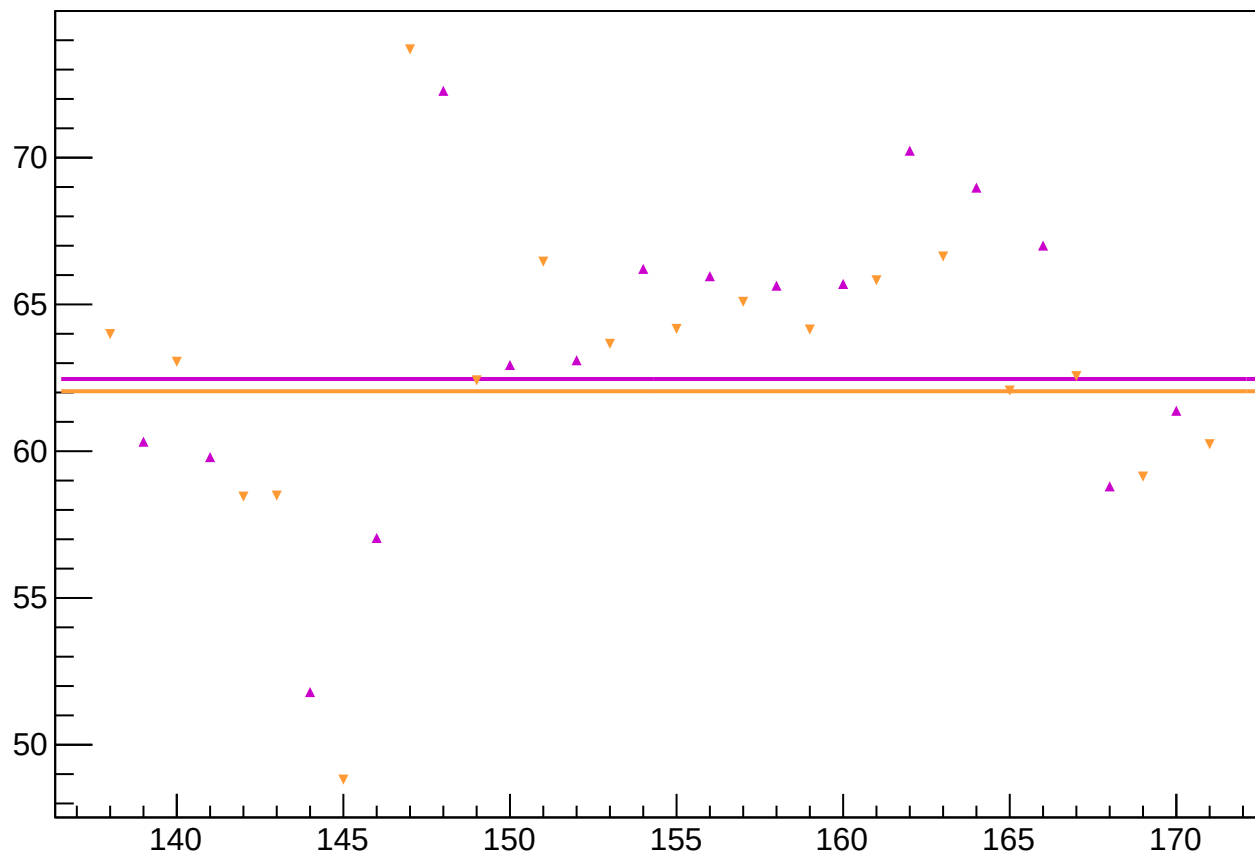
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.314 $\pm$ 17.743 χ^2 /NDF:8.5/15

Out: 10.222 $\pm$ 16.951 χ^2 /NDF:23.7/17

All: 11.698 $\pm$ 12.257 χ^2 /NDF: 32.2/33

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: 62.042+/-0.012 χ^2/NDF :195009.0/17

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

Left In: 62.460+/-0.013 χ^2/NDF :180395.8/15

Left: 62.242+/-0.009 χ^2/NDF : 375984.0/33

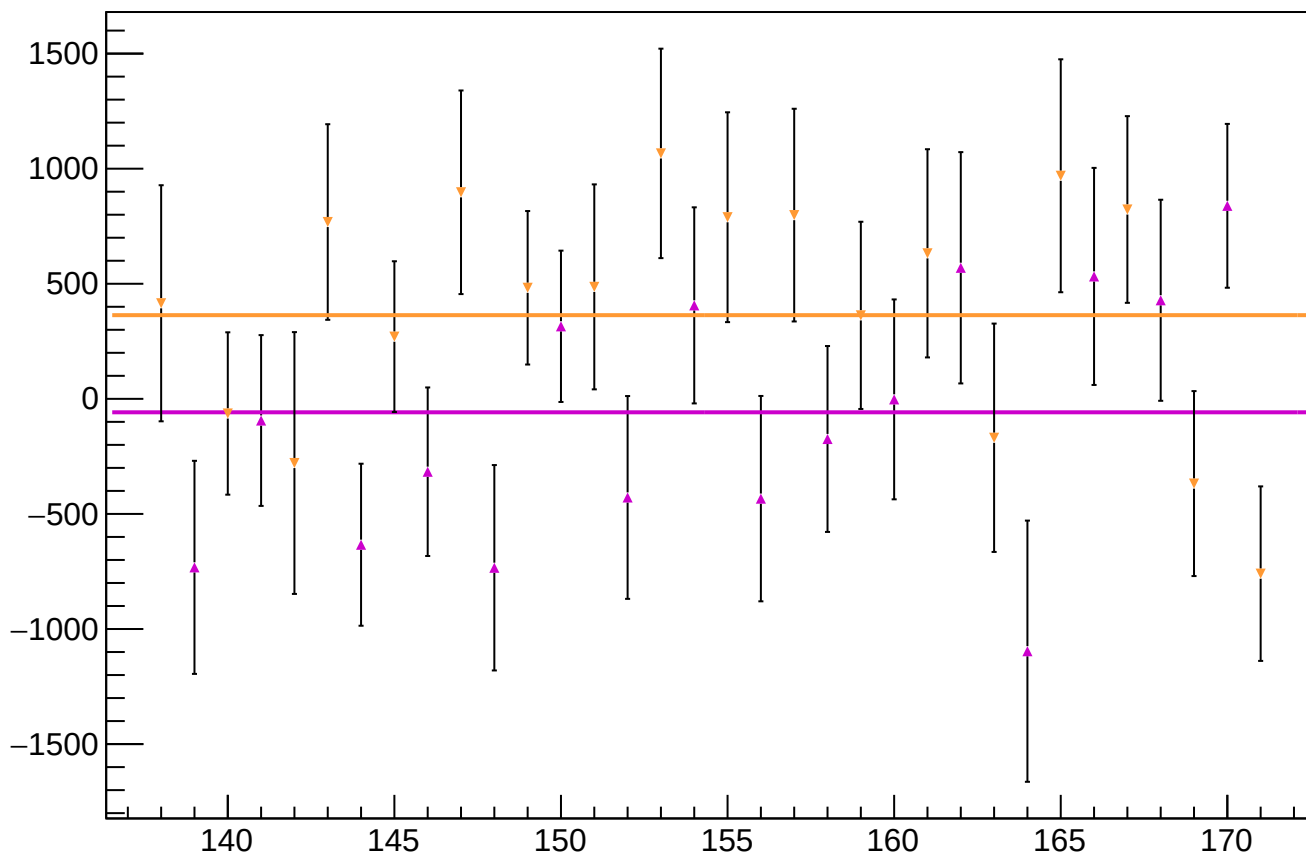
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.460+/-0.013 χ^2/NDF :180395.8/15

Out: 62.042+/-0.012 χ^2/NDF :195009.0/17

All: 62.242+/-0.009 χ^2/NDF : 375984.0/33

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: 363.588+/-99.310 χ^2/NDF :25.9/17

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

Left In: -58.471+/-103.386 χ^2/NDF :25.6/15

Left: 161.043+/-71.620 χ^2/NDF : 60.2/33

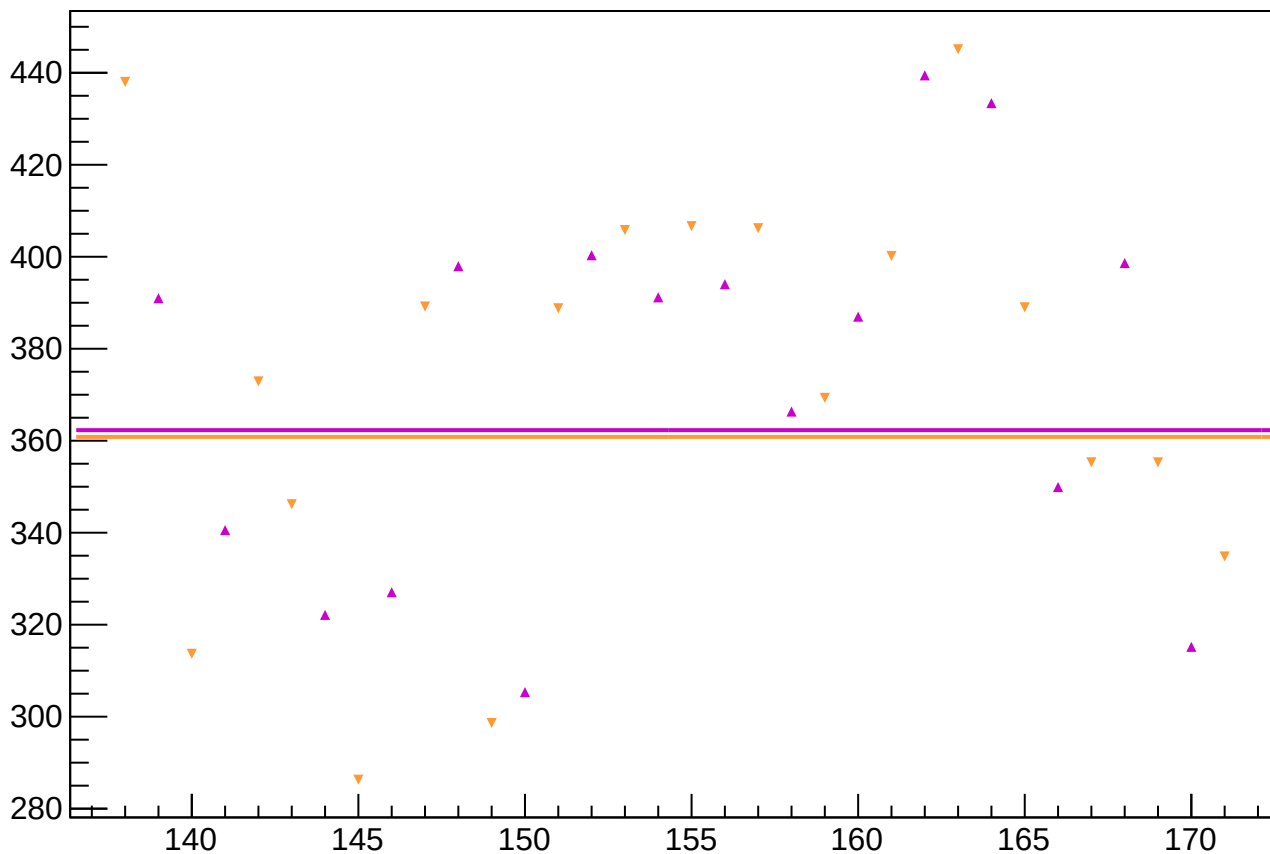
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -58.471+/-103.386 χ^2/NDF :25.6/15

Out: 363.588+/-99.310 χ^2/NDF :25.9/17

All: 161.043+/-71.620 χ^2/NDF : 60.2/33

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: 360.834+/-0.070 χ^2/NDF :422718.9/17

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

Left In: 362.305+/-0.073 χ^2/NDF :301607.8/15

Left: 361.540+/-0.051 χ^2/NDF : 724537.2/33

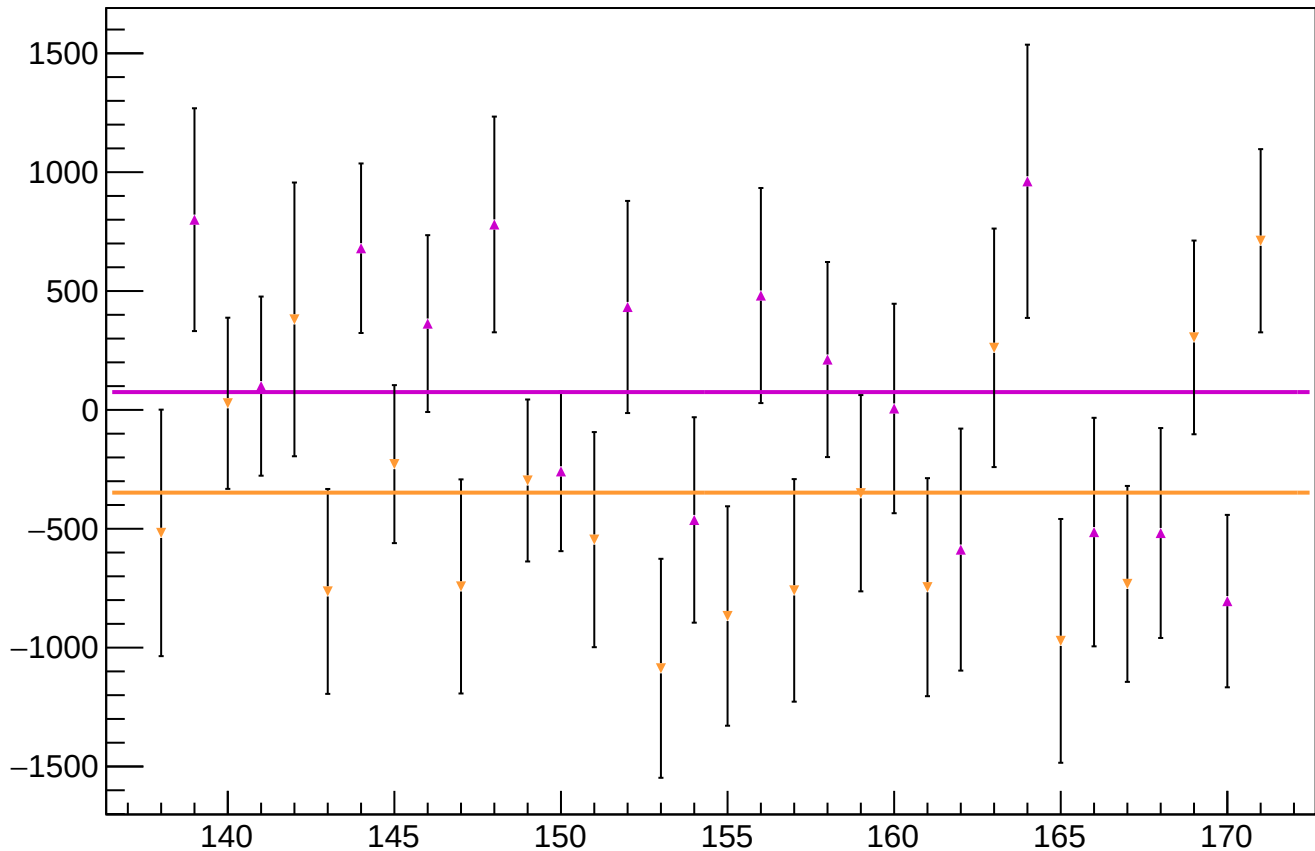
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 362.305+/-0.073 χ^2/NDF :301607.8/15

Out: 360.834+/-0.070 χ^2/NDF :422718.9/17

All: 361.540+/-0.051 χ^2/NDF : 724537.2/33

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -348.007+/-100.842 χ^2/NDF :24.2/17

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

Left In: 74.919+/-104.985 χ^2/NDF :25.7/15

Left: -145.054+/-72.727 χ^2/NDF : 58.3/33

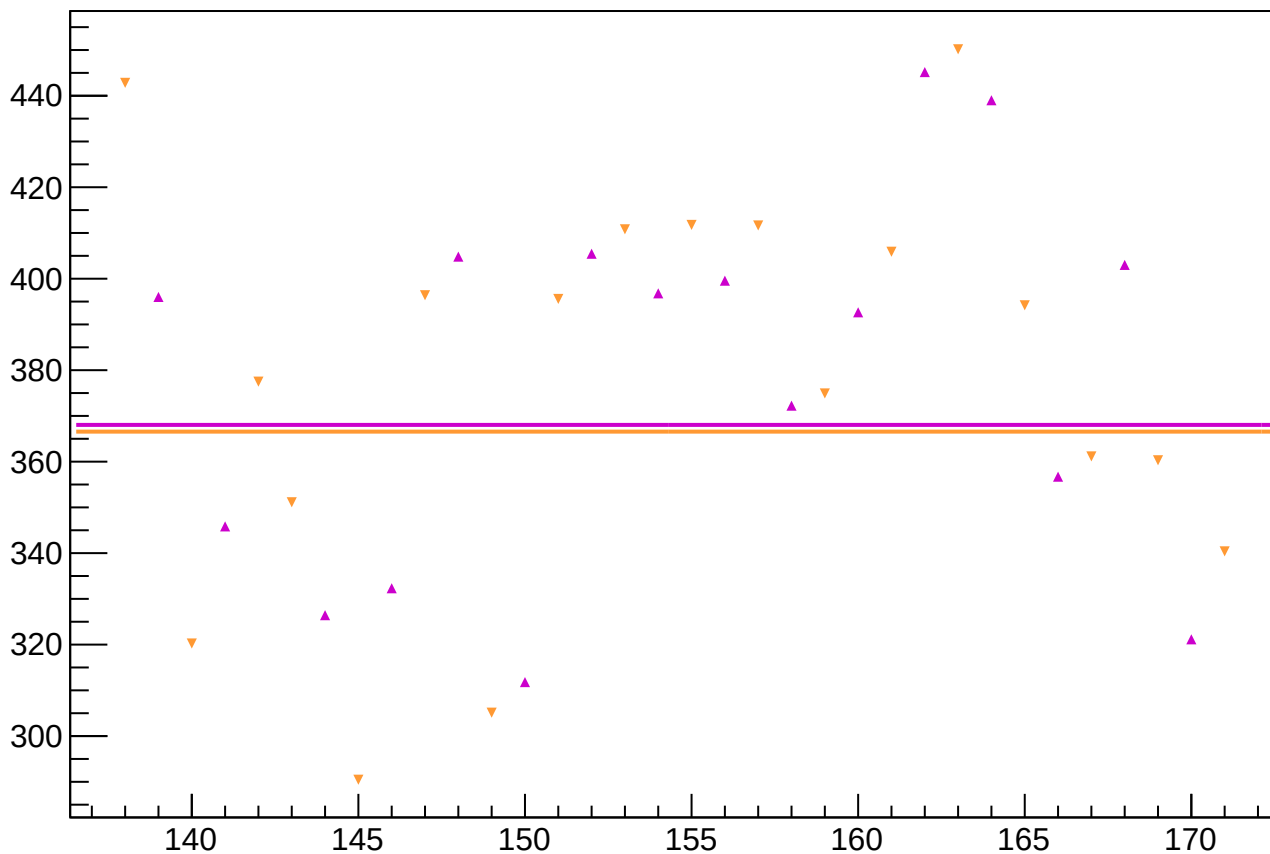
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 74.919+/-104.985 χ^2/NDF :25.7/15

Out: -348.007+/-100.842 χ^2/NDF :24.2/17

All: -145.054+/-72.727 χ^2/NDF : 58.3/33

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 366.566+/-0.071 χ^2/NDF : 409688.0/17

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

Left In: 368.036+/-0.074 χ^2/NDF : 291644.4/15

Left: 367.272+/-0.051 χ^2/NDF : 701536.4/33

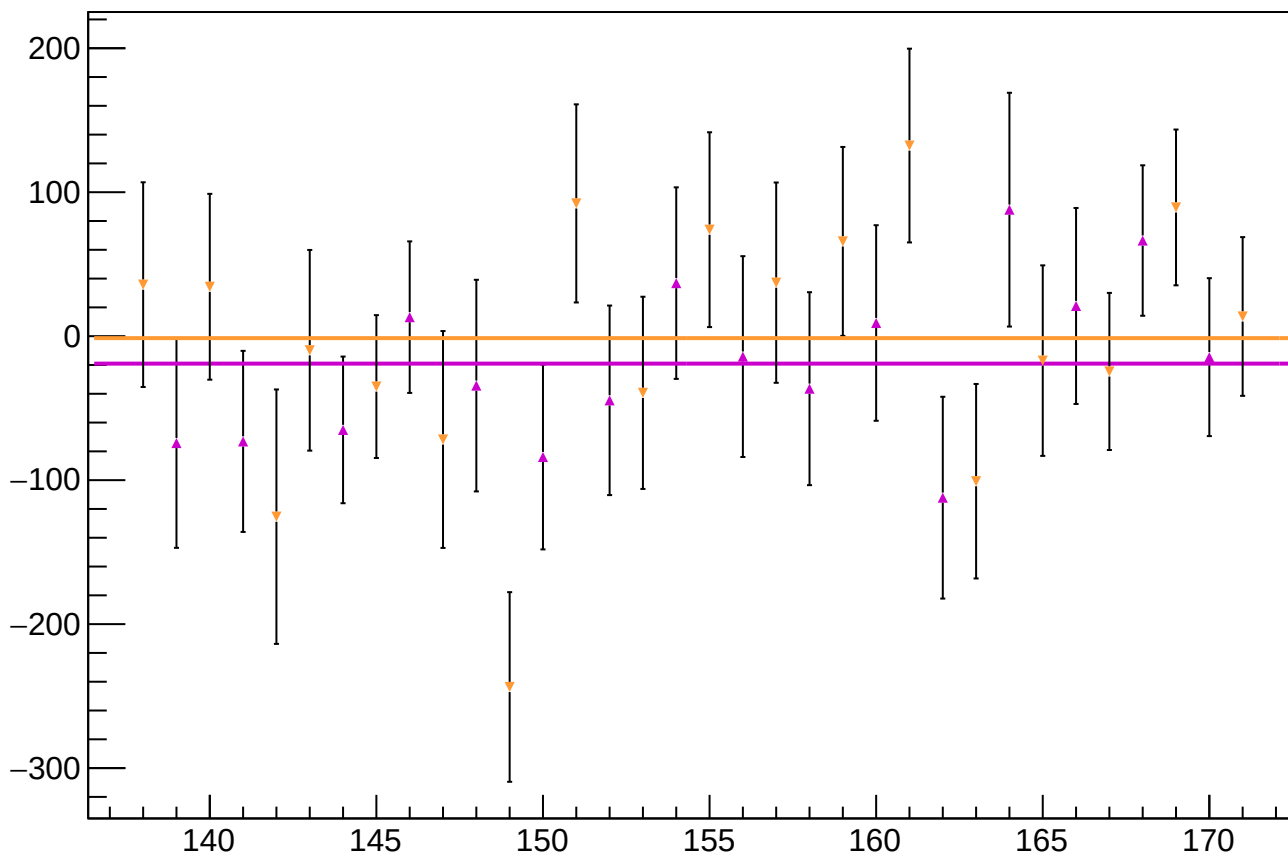
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 368.036+/-0.074 χ^2/NDF : 291644.4/15

Out: 366.566+/-0.071 χ^2/NDF : 409688.0/17

All: 367.272+/-0.051 χ^2/NDF : 701536.4/33

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: -1.354+/-15.157 χ^2/NDF :31.4/17

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

Left In: -19.060+/-15.835 χ^2/NDF :11.2/15

Left: -9.819+/-10.949 χ^2/NDF : 43.3/33

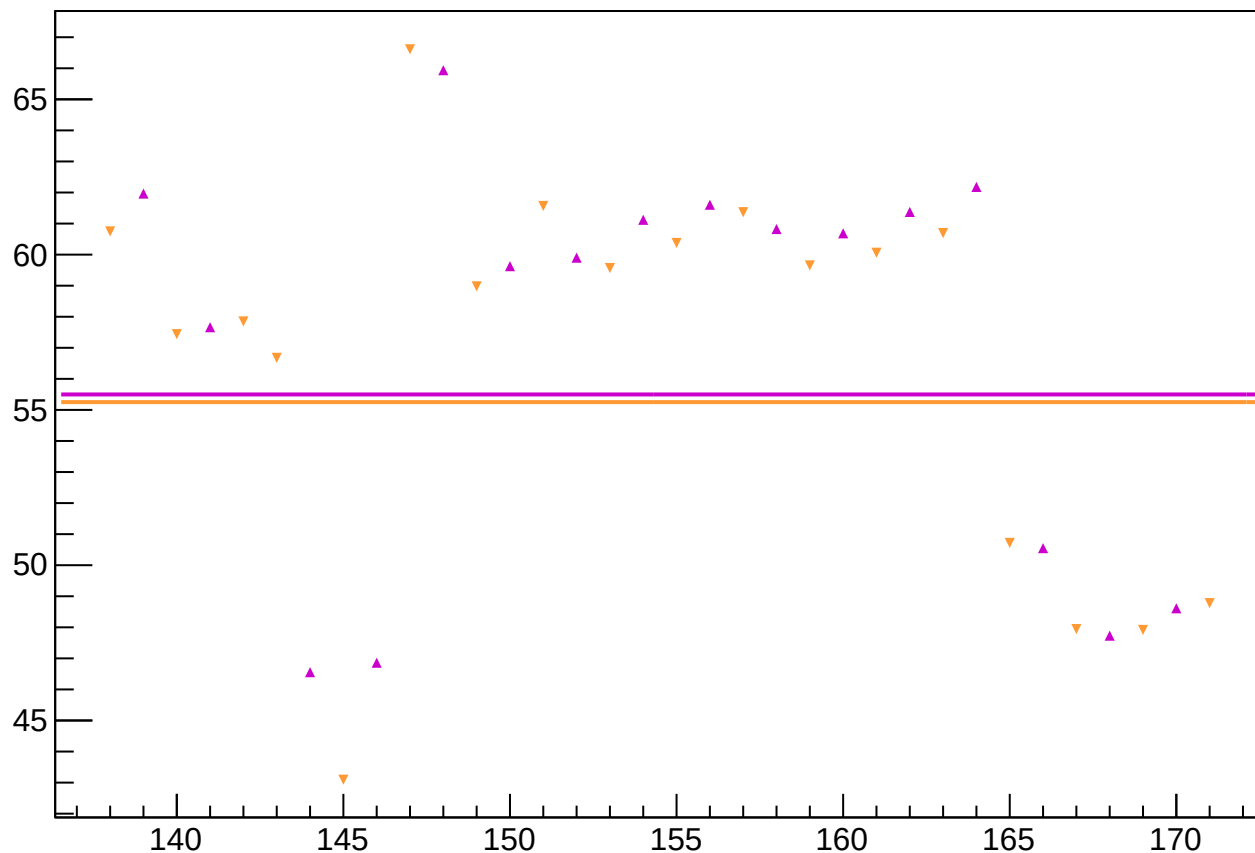
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.060+/-15.835 χ^2/NDF :11.2/15

Out: -1.354+/-15.157 χ^2/NDF :31.4/17

All: -9.819+/-10.949 χ^2/NDF : 43.3/33

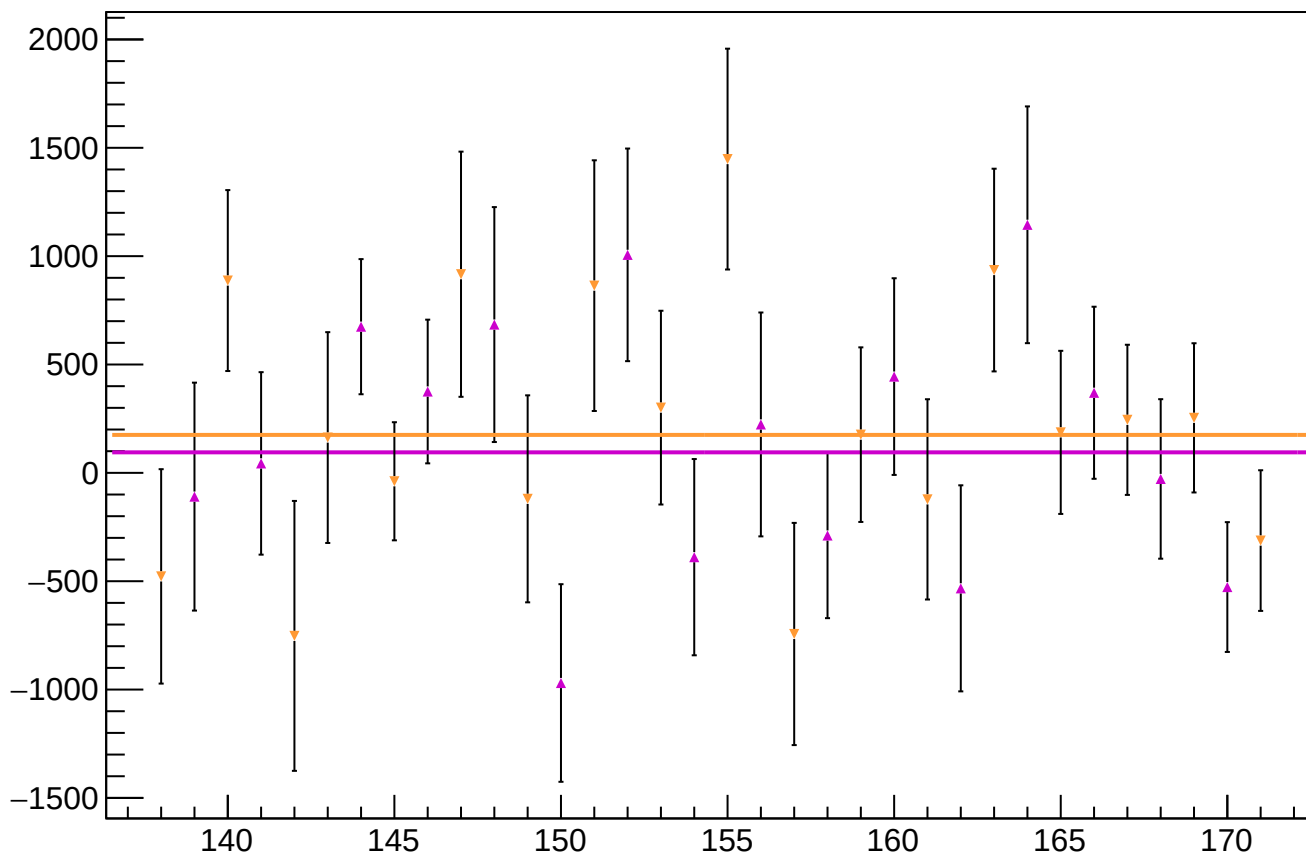
reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 55.251+/-0.011 χ^2/NDF :382742.9/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 55.498+/-0.011 χ^2/NDF :359137.5/15

Left: 55.369+/-0.008 χ^2/NDF : 742133.4/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 55.498+/-0.011 χ^2/NDF :359137.5/15
 Out: 55.251+/-0.011 χ^2/NDF :382742.9/17
 All: 55.369+/-0.008 χ^2/NDF : 742133.4/33

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: 175.152+/-99.018 χ^2/NDF :25.9/17

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

Left In: 94.670+/-103.136 χ^2/NDF :27.6/15

Left: 136.550+/-71.428 χ^2/NDF : 53.8/33

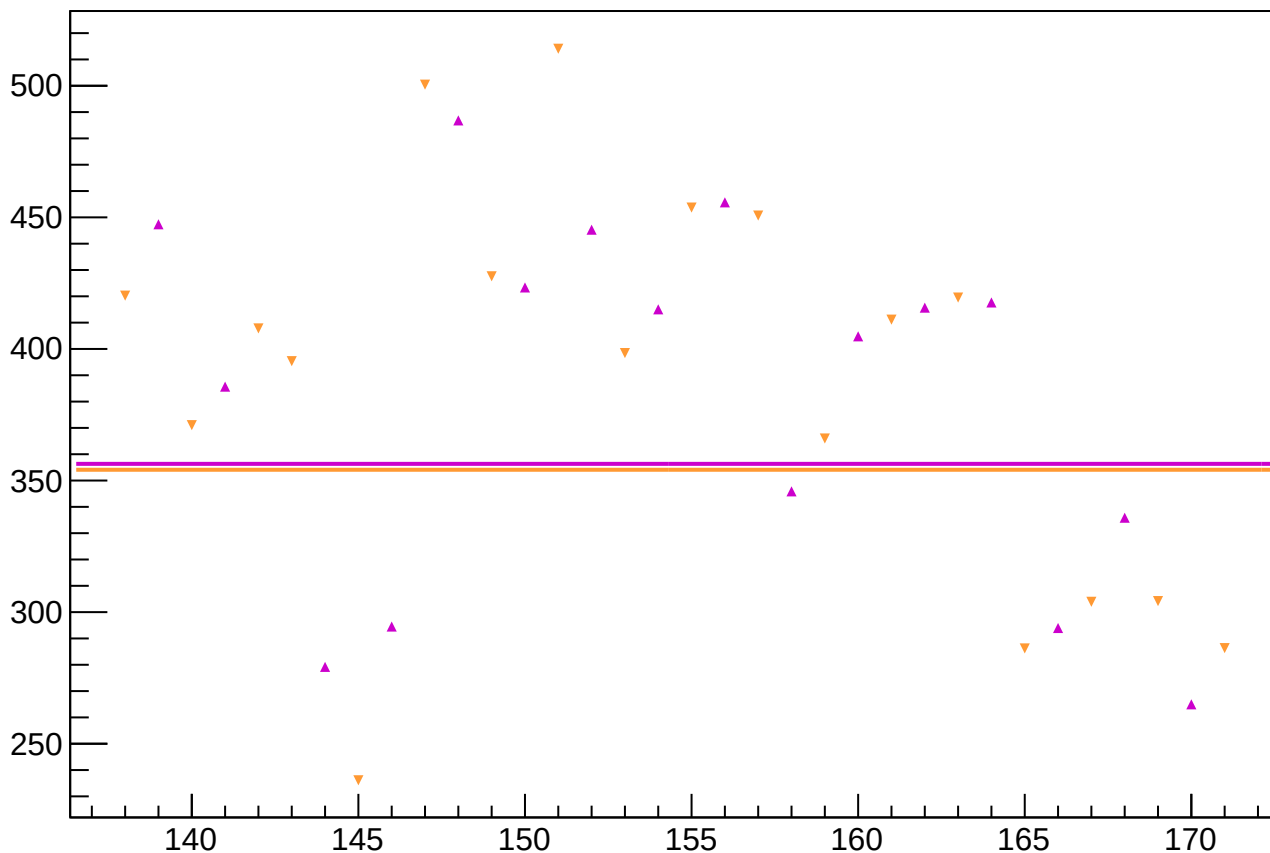
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 94.670+/-103.136 χ^2/NDF :27.6/15

Out: 175.152+/-99.018 χ^2/NDF :25.9/17

All: 136.550+/-71.428 χ^2/NDF : 53.8/33

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 354.098+/-0.070 χ^2/NDF :1252139.0/17

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

Left In: 356.343+/-0.073 χ^2/NDF :916459.9/15

Left: 355.175+/-0.051 χ^2/NDF : 2169092.0/33

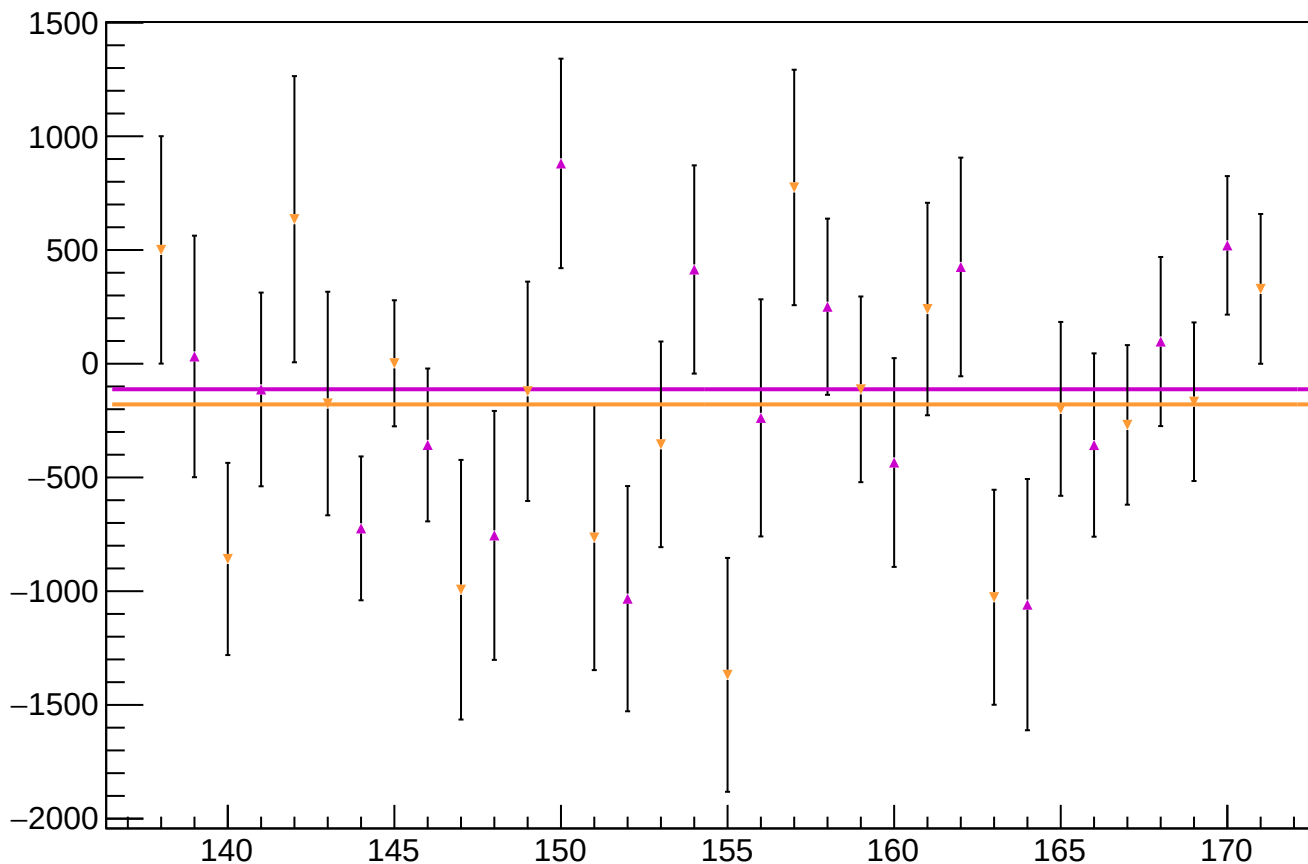
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 356.343+/-0.073 χ^2/NDF :916459.9/15

Out: 354.098+/-0.070 χ^2/NDF :1252139.0/17

All: 355.175+/-0.051 χ^2/NDF : 2169092.0/33

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -178.810+/-100.246 χ^2/NDF :25.0/17

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

Left In: -112.245+/-104.425 χ^2/NDF :25.8/15

Left: -146.886+/-72.317 χ^2/NDF : 51.0/33

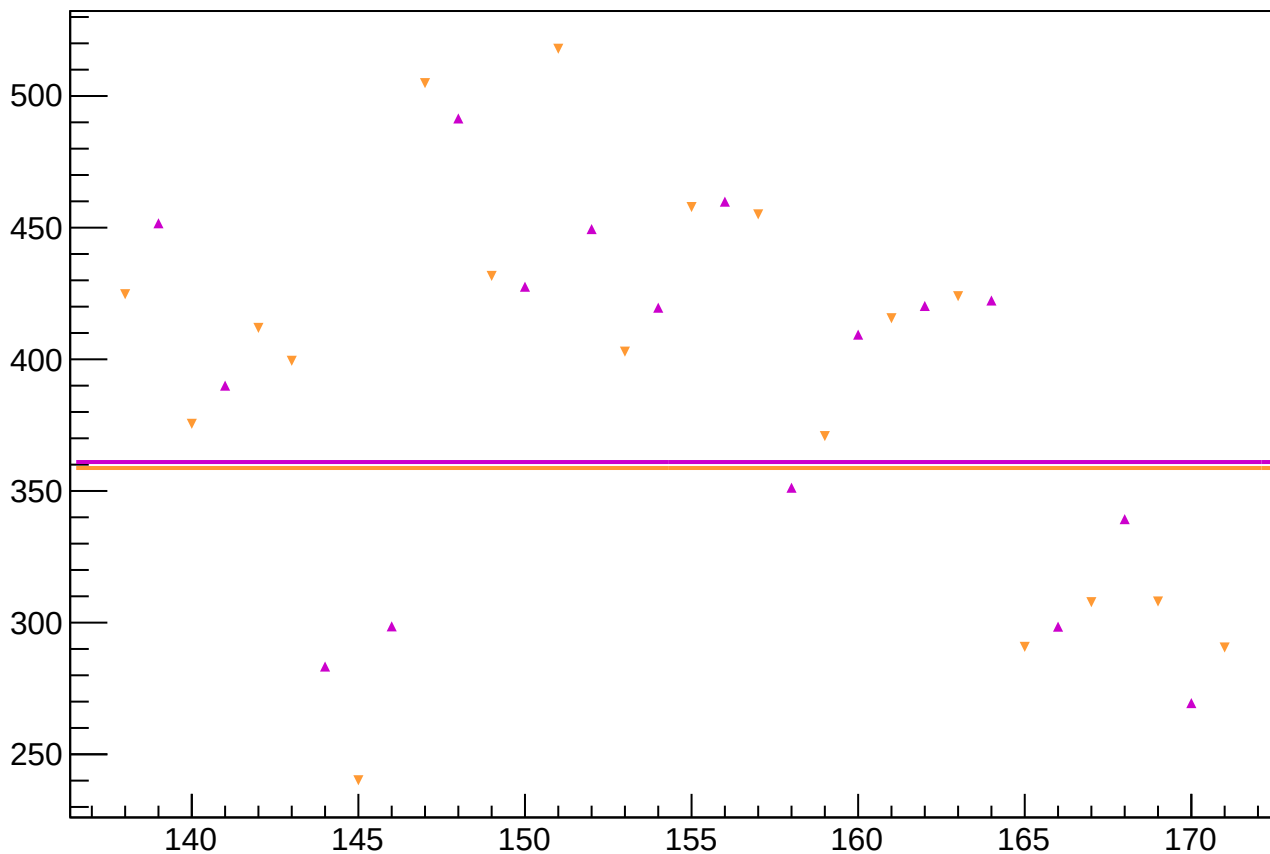
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -112.245+/-104.425 χ^2/NDF :25.8/15

Out: -178.810+/-100.246 χ^2/NDF :25.0/17

All: -146.886+/-72.317 χ^2/NDF : 51.0/33

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 358.720+/-0.071 χ^2/NDF :1224243.0/17

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

Left In: 360.994+/-0.074 χ^2/NDF :895668.6/15

Left: 359.811+/-0.051 χ^2/NDF : 2120404.9/33

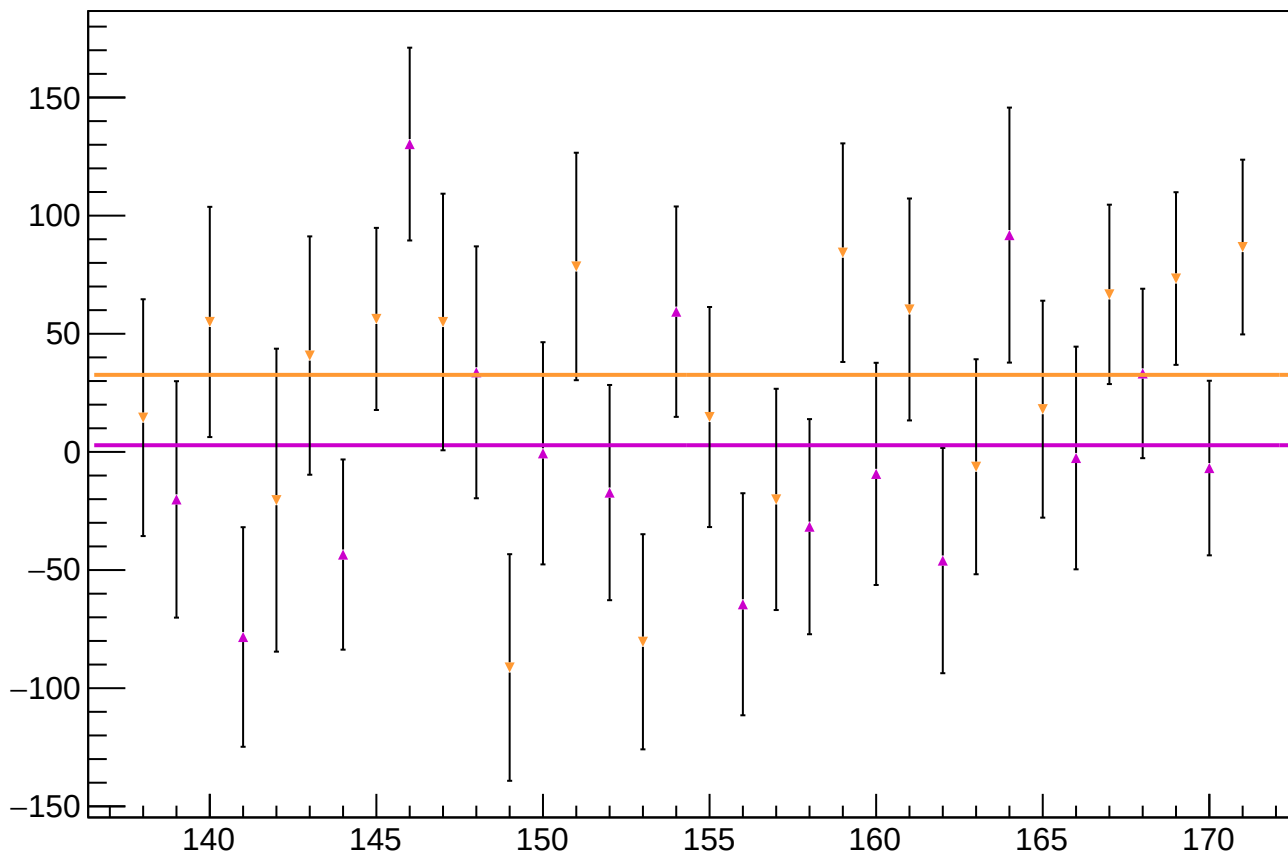
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 360.994+/-0.074 χ^2/NDF :895668.6/15

Out: 358.720+/-0.071 χ^2/NDF :1224243.0/17

All: 359.811+/-0.051 χ^2/NDF : 2120404.9/33

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: 32.612 $\pm$ 10.668 χ^2 /NDF:23.4/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 2.829 $\pm$ 11.178 χ^2 /NDF:23.7/15

Left: 18.416 $\pm$ 7.717 χ^2 /NDF: 50.8/33

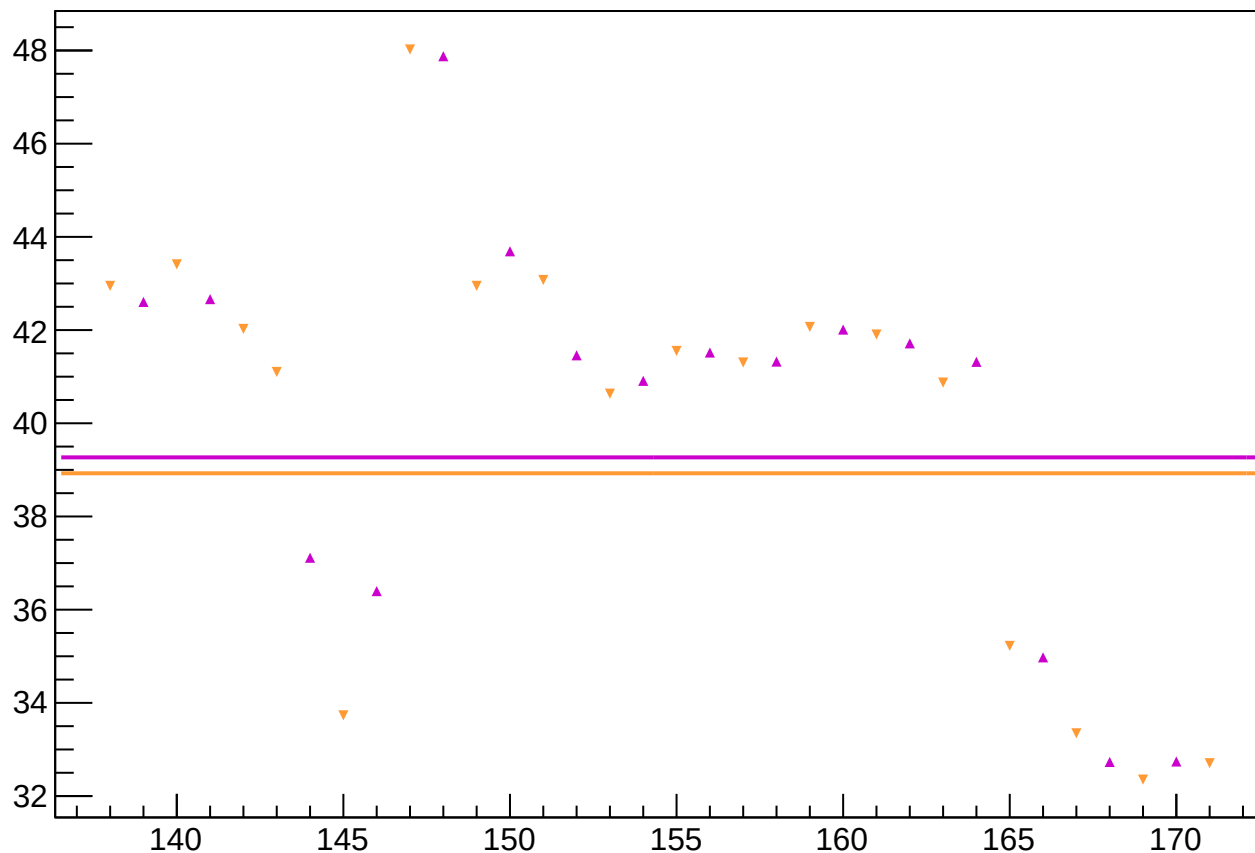
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 2.829 $\pm$ 11.178 χ^2 /NDF:23.7/15

Out: 32.612 $\pm$ 10.668 χ^2 /NDF:23.4/17

All: 18.416 $\pm$ 7.717 χ^2 /NDF: 50.8/33

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: 38.927+/-0.008 χ^2/NDF :372419.5/17

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

Left In: 39.268+/-0.008 χ^2/NDF :281465.1/15

Left: 39.090+/-0.005 χ^2/NDF : 654861.4/33

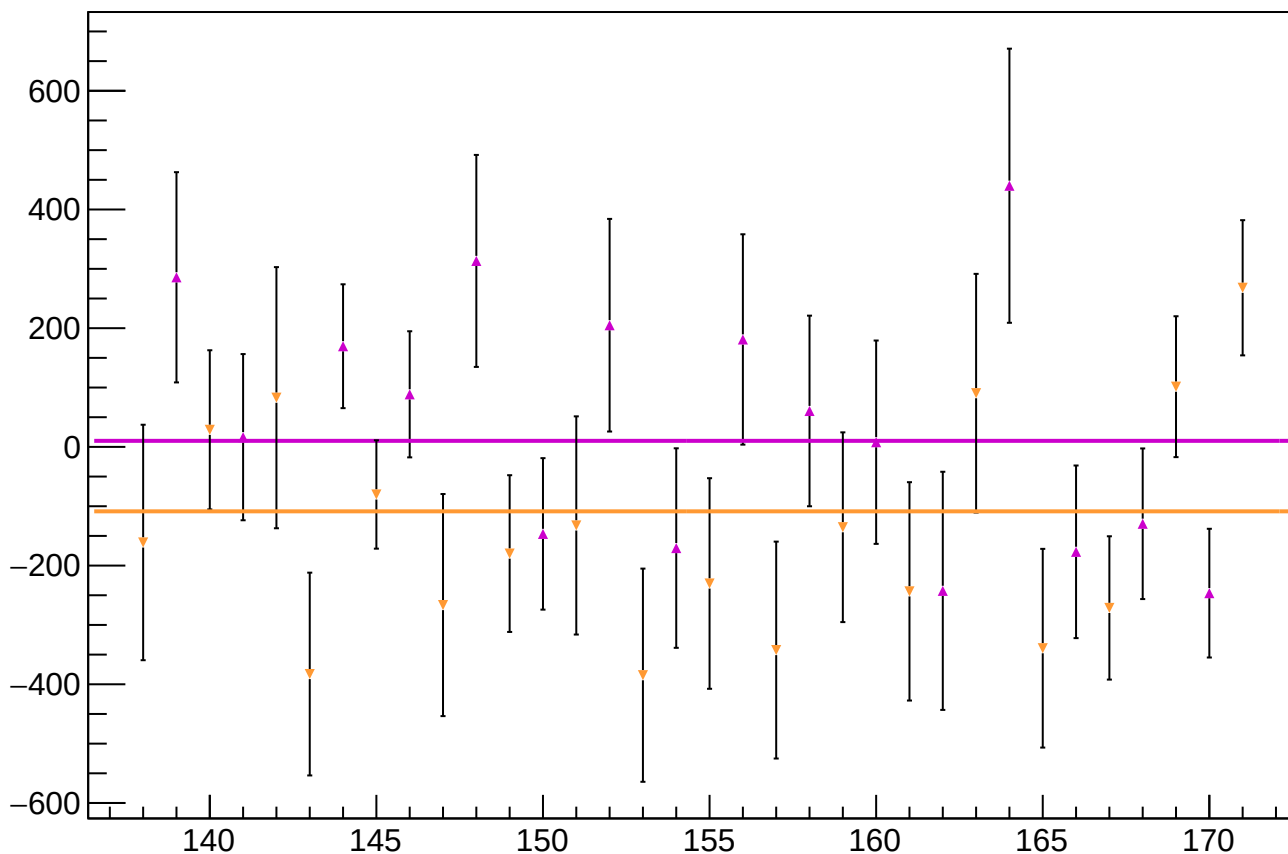
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 39.268+/-0.008 χ^2/NDF :281465.1/15

Out: 38.927+/-0.008 χ^2/NDF :372419.5/17

All: 39.090+/-0.005 χ^2/NDF : 654861.4/33

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: -108.592+/-35.139 χ^2/NDF :29.4/17

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

Left In: 10.183+/-36.148 χ^2/NDF :26.6/15

Left: -50.884+/-25.196 χ^2/NDF : 61.5/33

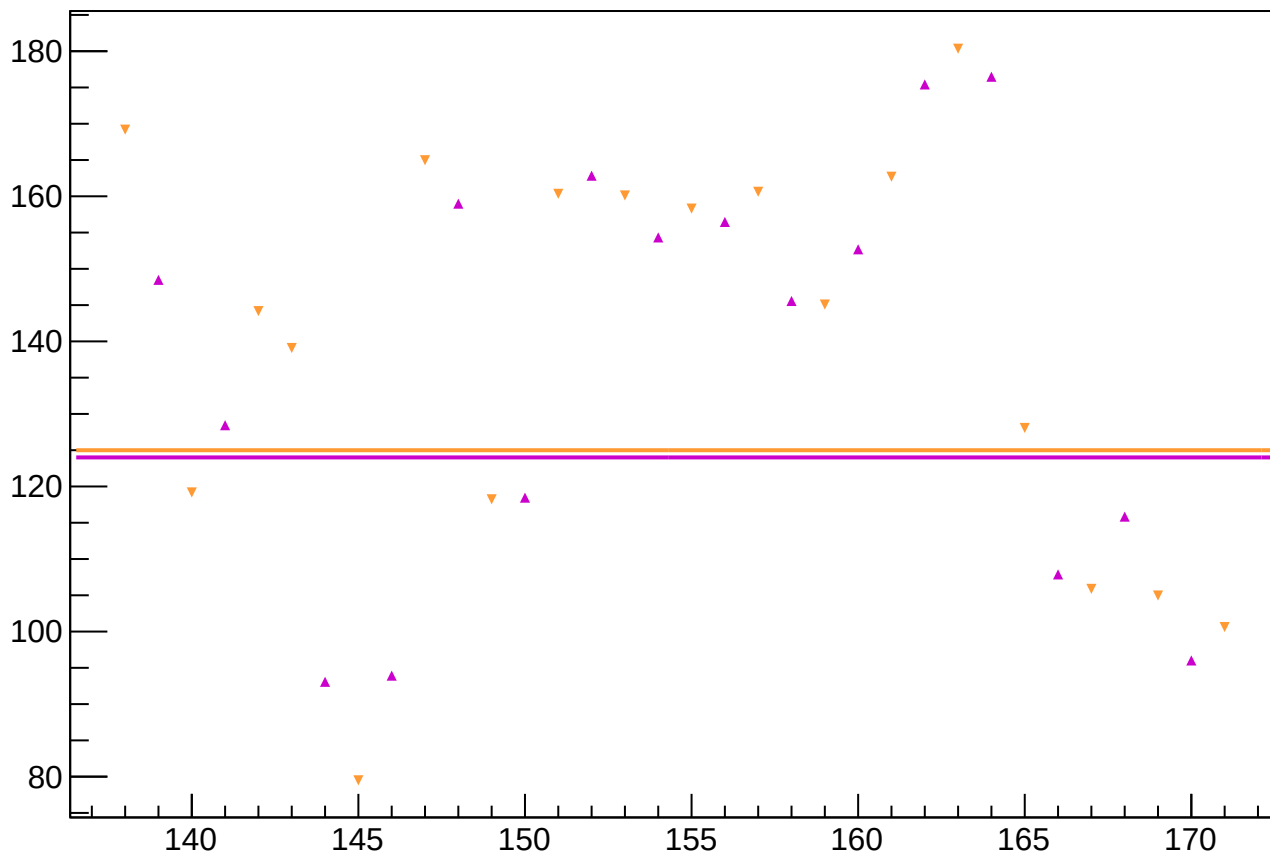
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 10.183+/-36.148 χ^2/NDF :26.6/15

Out: -108.592+/-35.139 χ^2/NDF :29.4/17

All: -50.884+/-25.196 χ^2/NDF : 61.5/33

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: 124.997+/-0.025 χ^2/NDF :1488480.3/17

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

Left In: 124.006+/-0.026 χ^2/NDF :1175745.5/15

Left: 124.515+/-0.018 χ^2/NDF : 2664998.9/33

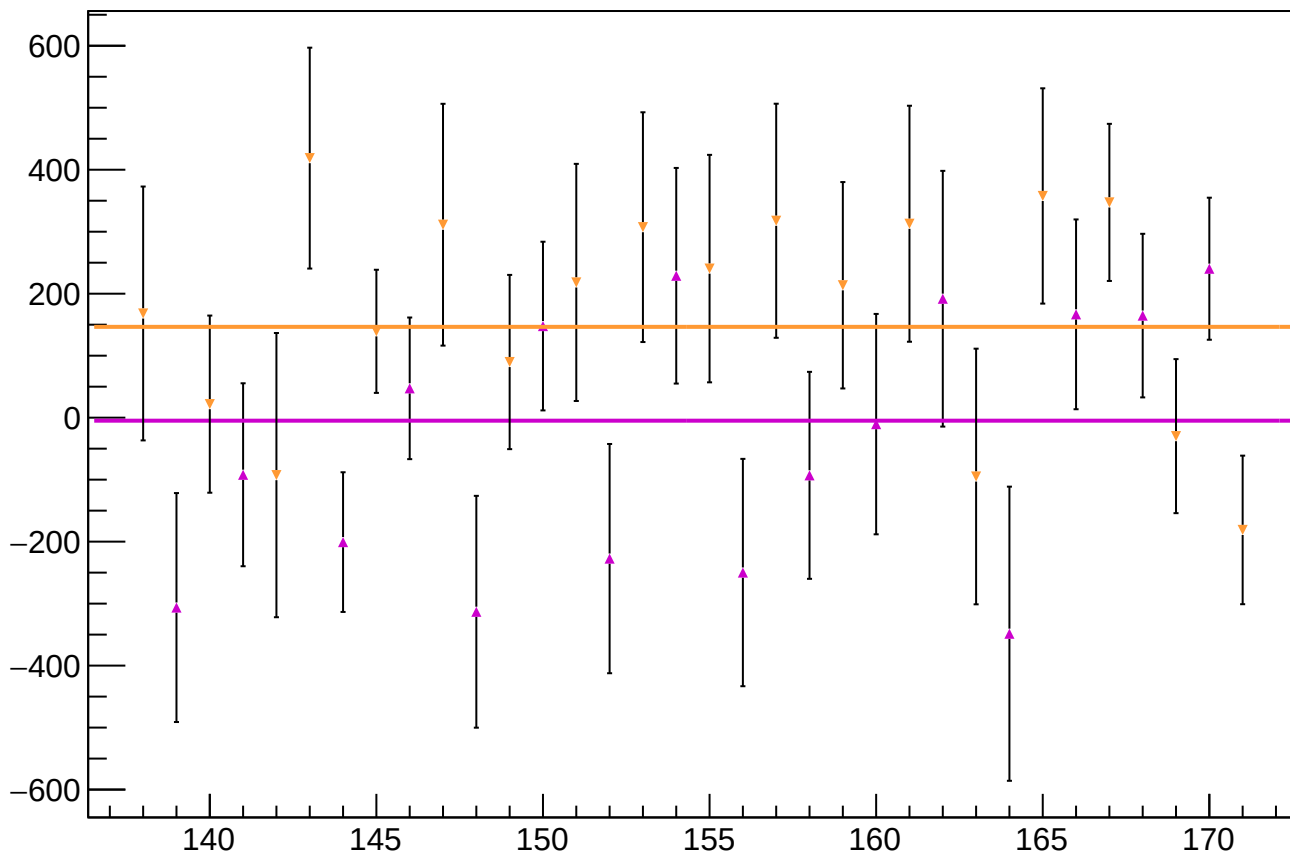
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 124.006+/-0.026 χ^2/NDF :1175745.5/15

Out: 124.997+/-0.025 χ^2/NDF :1488480.3/17

All: 124.515+/-0.018 χ^2/NDF : 2664998.9/33

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: 146.502 $\pm$ 36.941 χ^2 /NDF:22.8/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -4.871 $\pm$ 38.062 χ^2 /NDF:26.0/15

Left: 73.077 $\pm$ 26.509 χ^2 /NDF: 57.0/33

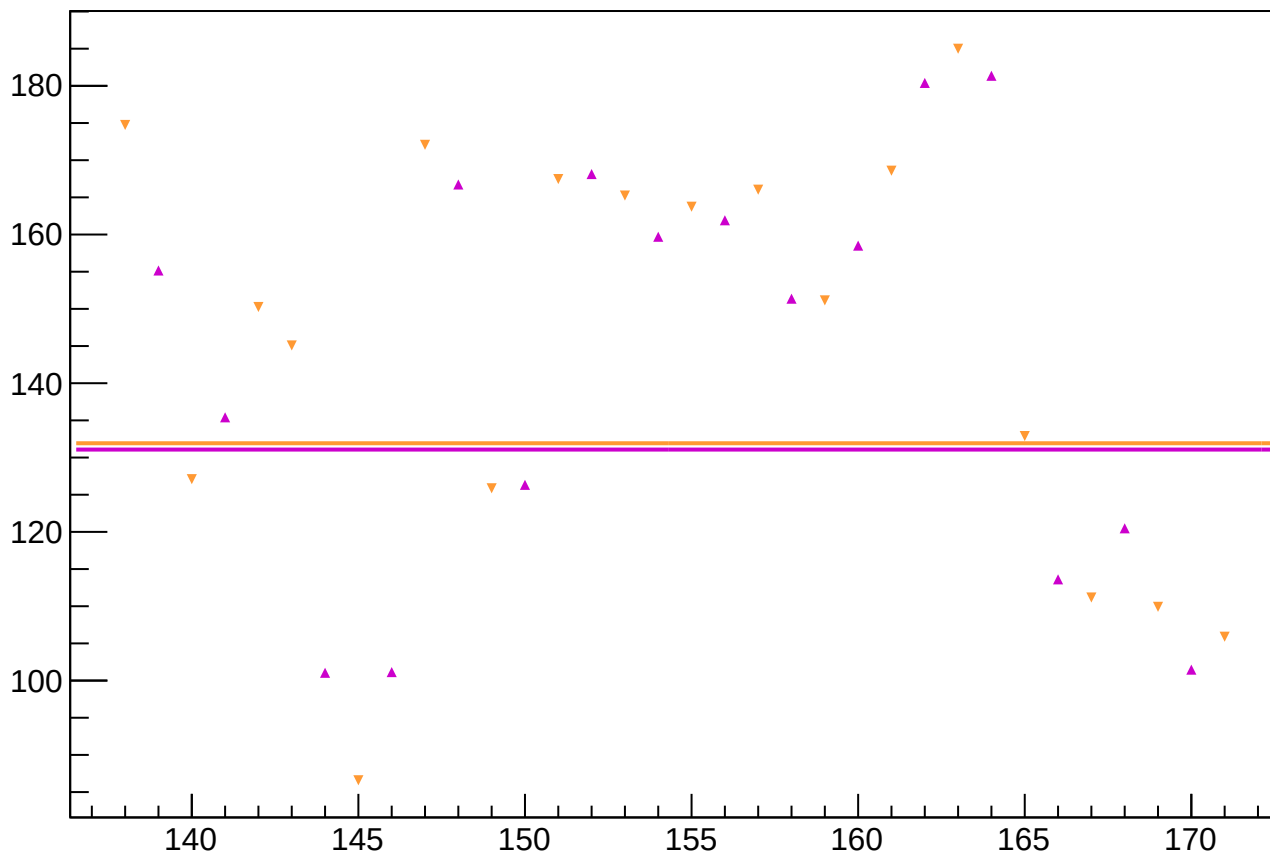
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -4.871 $\pm$ 38.062 χ^2 /NDF:26.0/15

Out: 146.502 $\pm$ 36.941 χ^2 /NDF:22.8/17

All: 73.077 $\pm$ 26.509 χ^2 /NDF: 57.0/33

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 131.923+/-0.026 χ^2/NDF :1321557.0/17

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

Left In: 131.073+/-0.027 χ^2/NDF :1035024.6/15

Left: 131.511+/-0.019 χ^2/NDF : 2357095.9/33

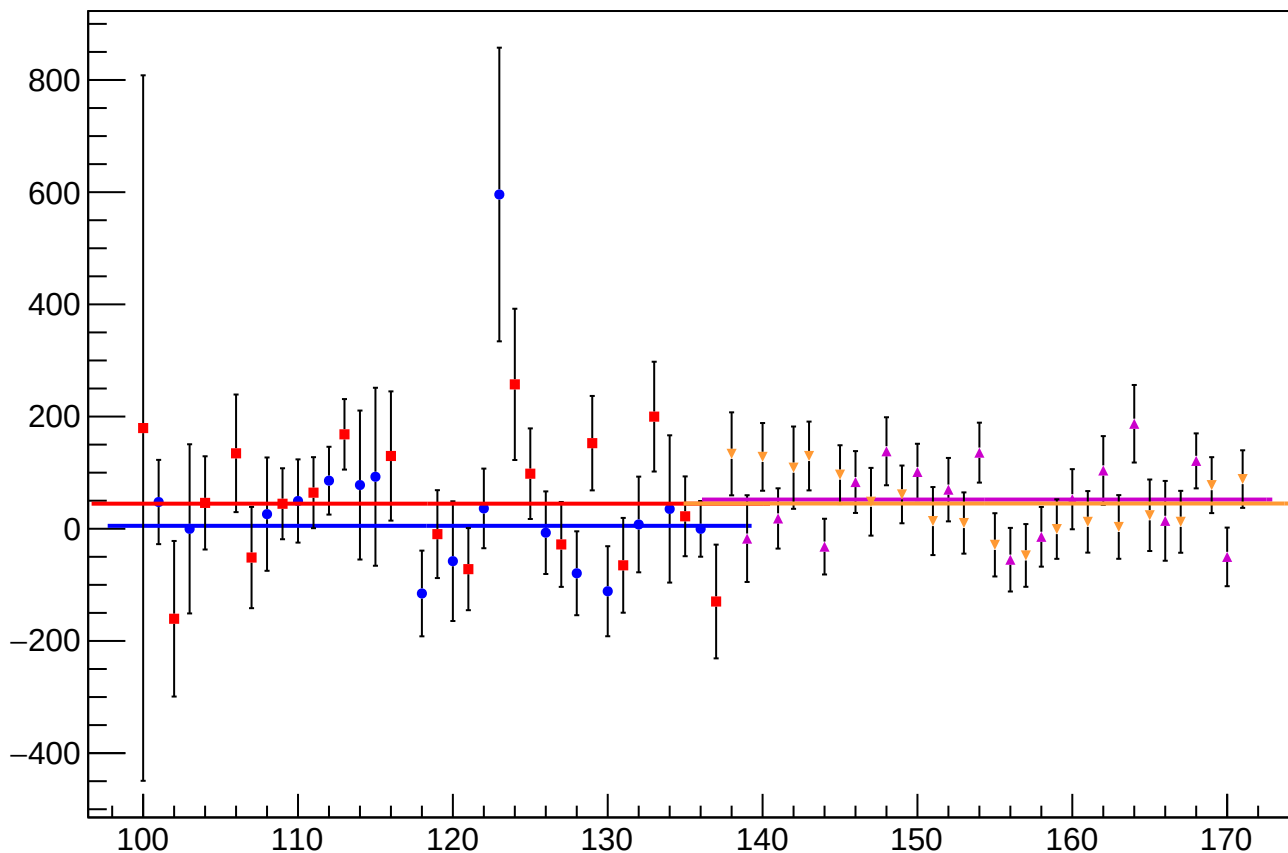
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 131.073+/-0.027 χ^2/NDF :1035024.6/15

Out: 131.923+/-0.026 χ^2/NDF :1321557.0/17

All: 131.511+/-0.019 χ^2/NDF : 2357095.9/33

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 44.993 $\pm$ 13.458 χ^2 /NDF:15.4/17

Right Out: 44.715 $\pm$ 19.410 χ^2 /NDF: 24.4/18

Left In: 52.058 $\pm$ 14.076 χ^2 /NDF:25.7/15

Left: 48.367 $\pm$ 9.727 χ^2 /NDF: 41.2/33

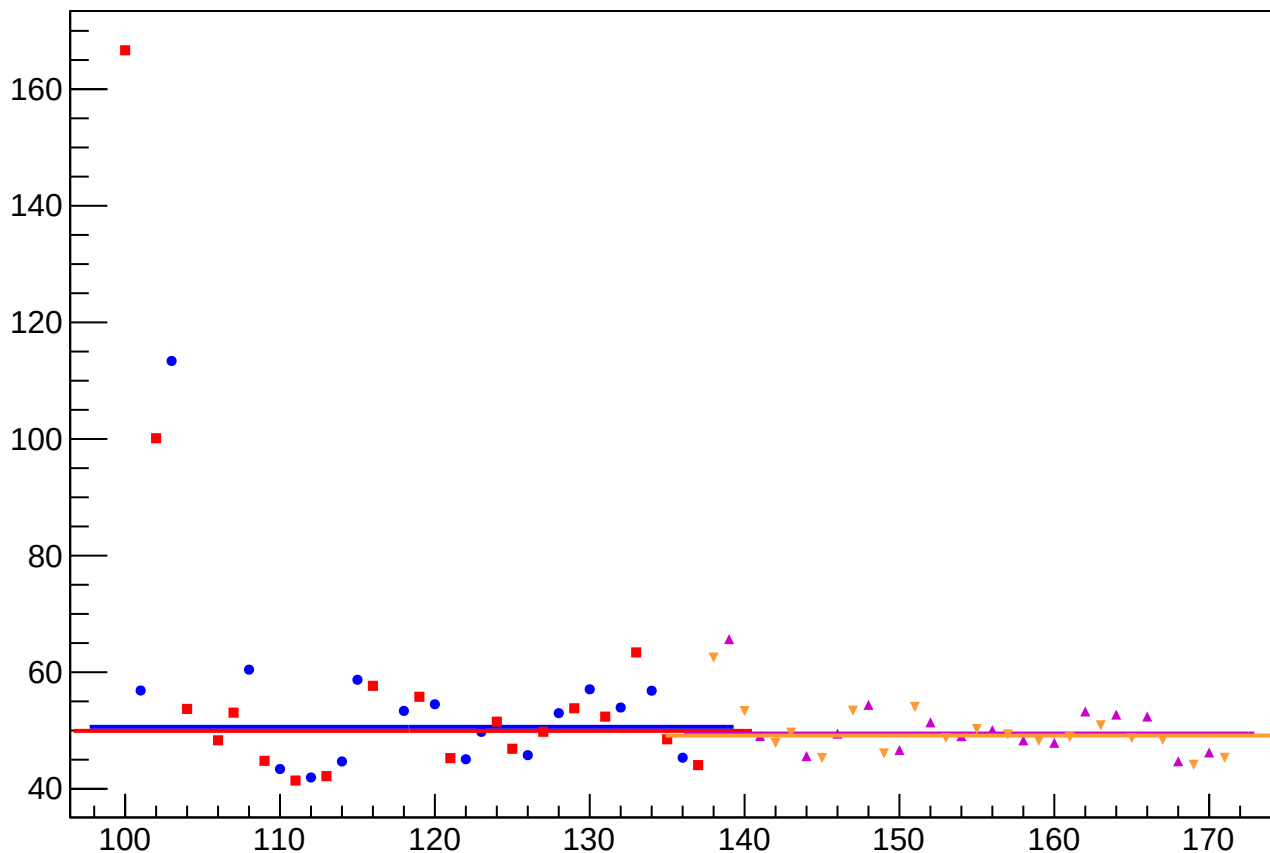
Right: 25.706 $\pm$ 13.979 χ^2 /NDF: 41.1/35

In: 36.698 $\pm$ 11.539 χ^2 /NDF:44.0/32

Out: 44.903 $\pm$ 11.059 χ^2 /NDF:39.8/36

All: 40.974 $\pm$ 7.984 χ^2 /NDF: 84.1/69

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: 49.140 $\pm$ 0.010 χ^2 /NDF: 151936.6/17

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

Left In: 49.483 $\pm$ 0.010 χ^2 /NDF: 166757.8/15

Left: 49.304 $\pm$ 0.007 χ^2 /NDF: 319312.8/33

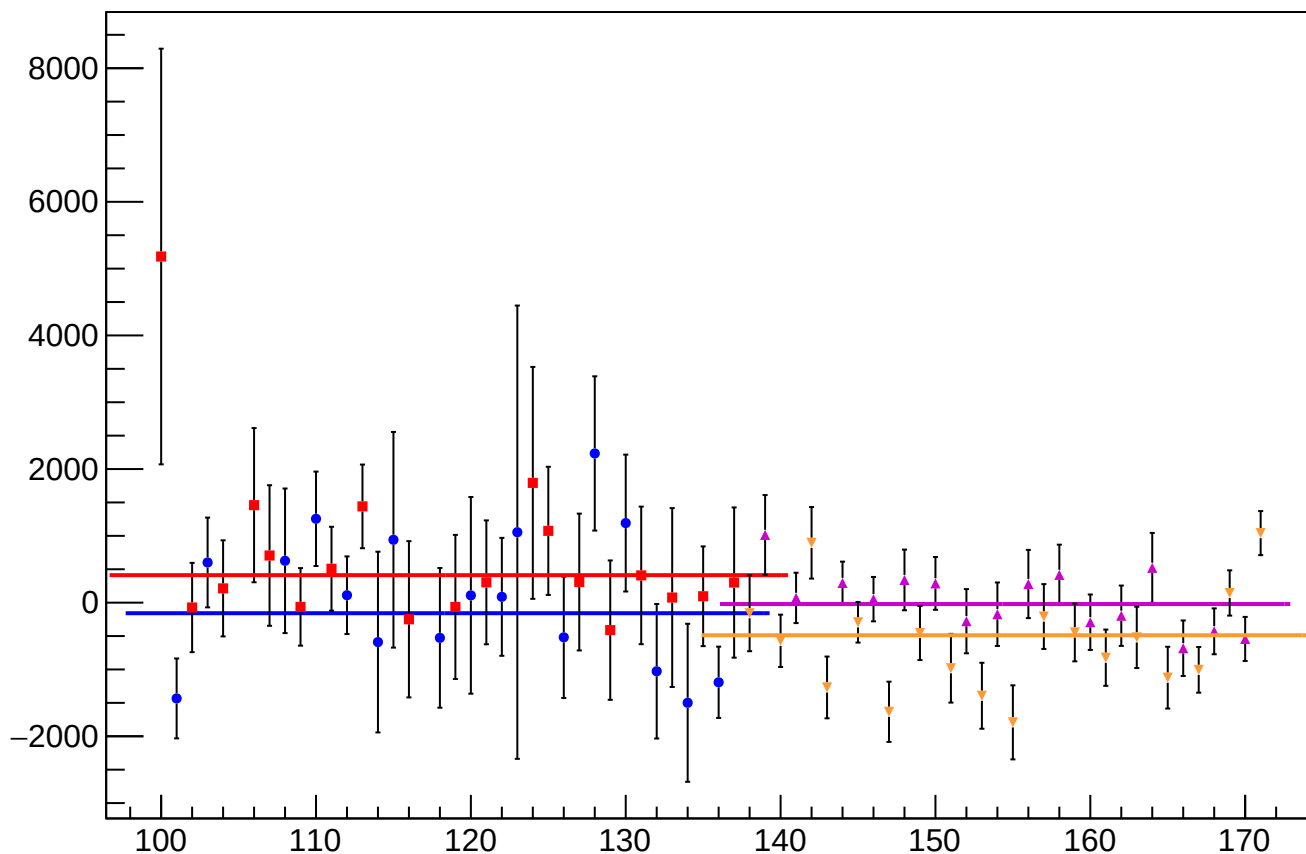
Right: 50.276 $\pm$ 0.010 χ^2 /NDF: 1021399.4/35

In: 49.861 $\pm$ 0.008 χ^2 /NDF: 690837.8/32

Out: 49.401 $\pm$ 0.008 χ^2 /NDF: 654733.5/36

All: 49.621 $\pm$ 0.006 χ^2 /NDF: 1347225.8/69

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -487.746+/-99.057 χ^2/NDF :56.8/17

Right Out: 411.611+/-203.633 χ^2/NDF : 9.8/18

Left In: -20.762+/-102.422 χ^2/NDF :15.1/15

Left: -262.053+/-71.204 χ^2/NDF : 82.6/33

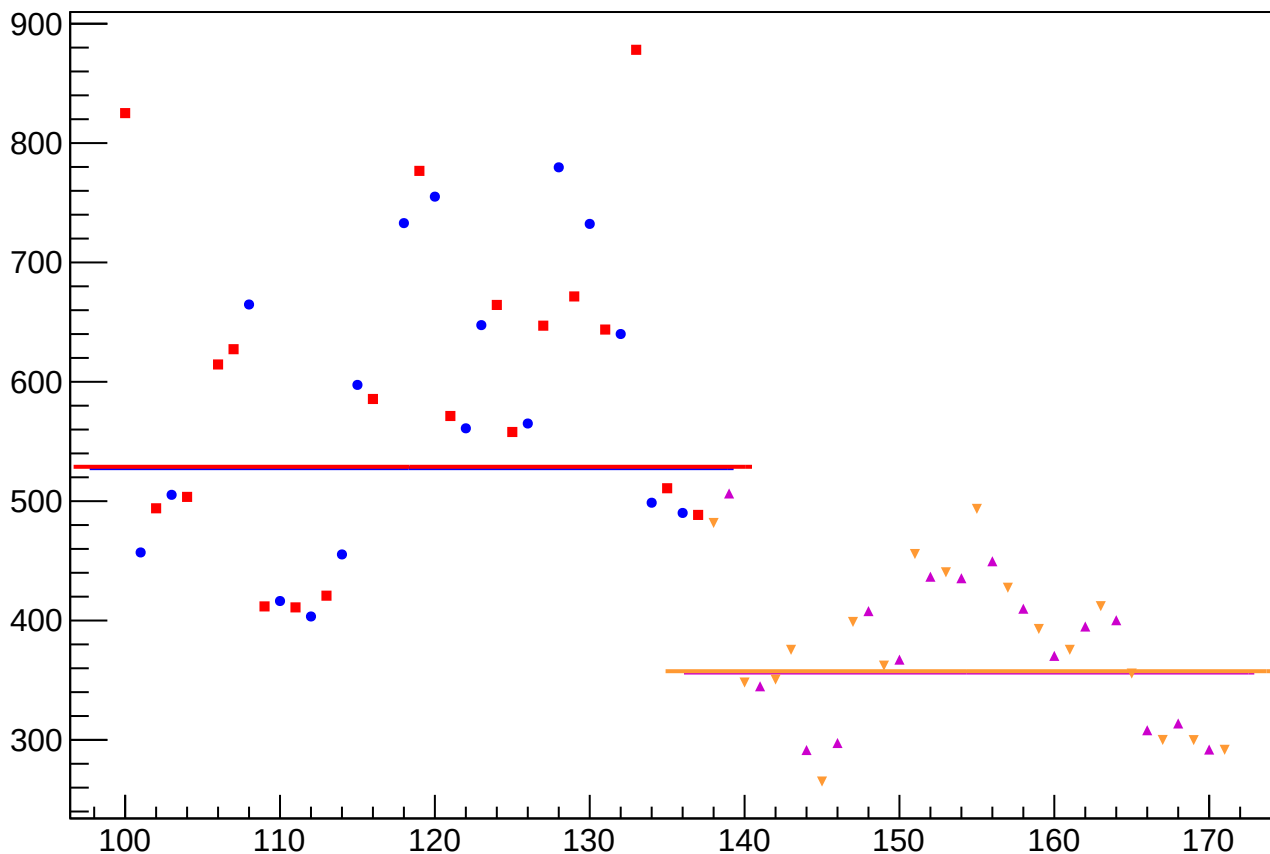
Right: 135.816+/-146.251 χ^2/NDF : 37.0/35

In: -47.098+/-92.072 χ^2/NDF :38.9/32

Out: -315.654+/-89.077 χ^2/NDF :82.3/36

All: -185.816+/-64.019 χ^2/NDF : 125.6/69

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 357.542 $\pm$ 0.070 χ^2 /NDF: 833206.4/17

Right Out: 528.806 $\pm$ 0.144 χ^2 /NDF: 623364.6/18

Left In: 356.418 $\pm$ 0.072 χ^2 /NDF: 672907.0/15

Left: 356.999 $\pm$ 0.050 χ^2 /NDF: 1506237.9/33

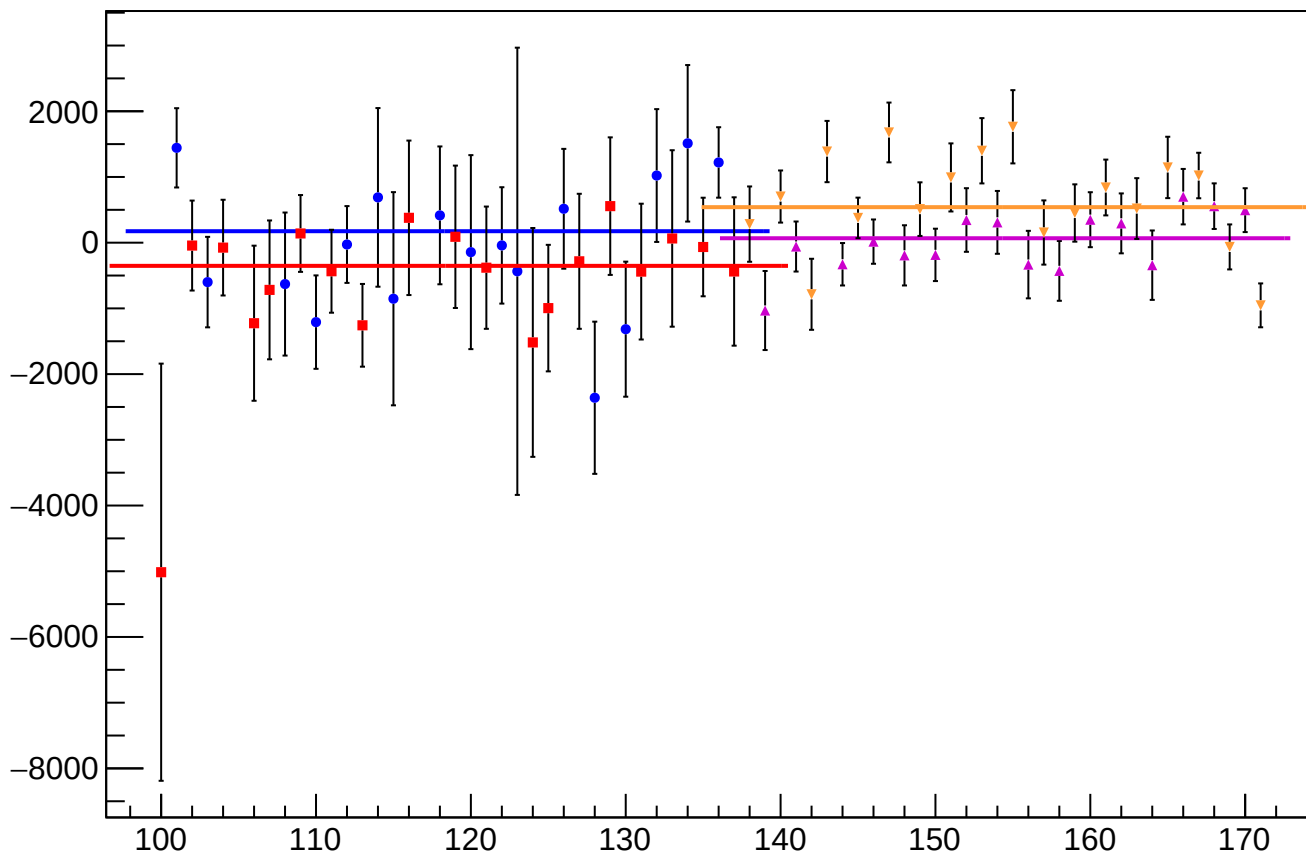
Right: 528.253 $\pm$ 0.103 χ^2 /NDF: 1180818.7/35

In: 389.279 $\pm$ 0.065 χ^2 /NDF: 2303197.9/32

Out: 390.314 $\pm$ 0.063 χ^2 /NDF: 2600570.0/36

All: 389.814 $\pm$ 0.045 χ^2 /NDF: 4903898.2/69

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 540.505 $\pm$ 100.059 χ^2 /NDF:52.7/17

Right Out: -352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

Left In: 67.545 $\pm$ 103.477 χ^2 /NDF:15.3/15

Left: 311.966 $\pm$ 71.930 χ^2 /NDF: 78.8/33

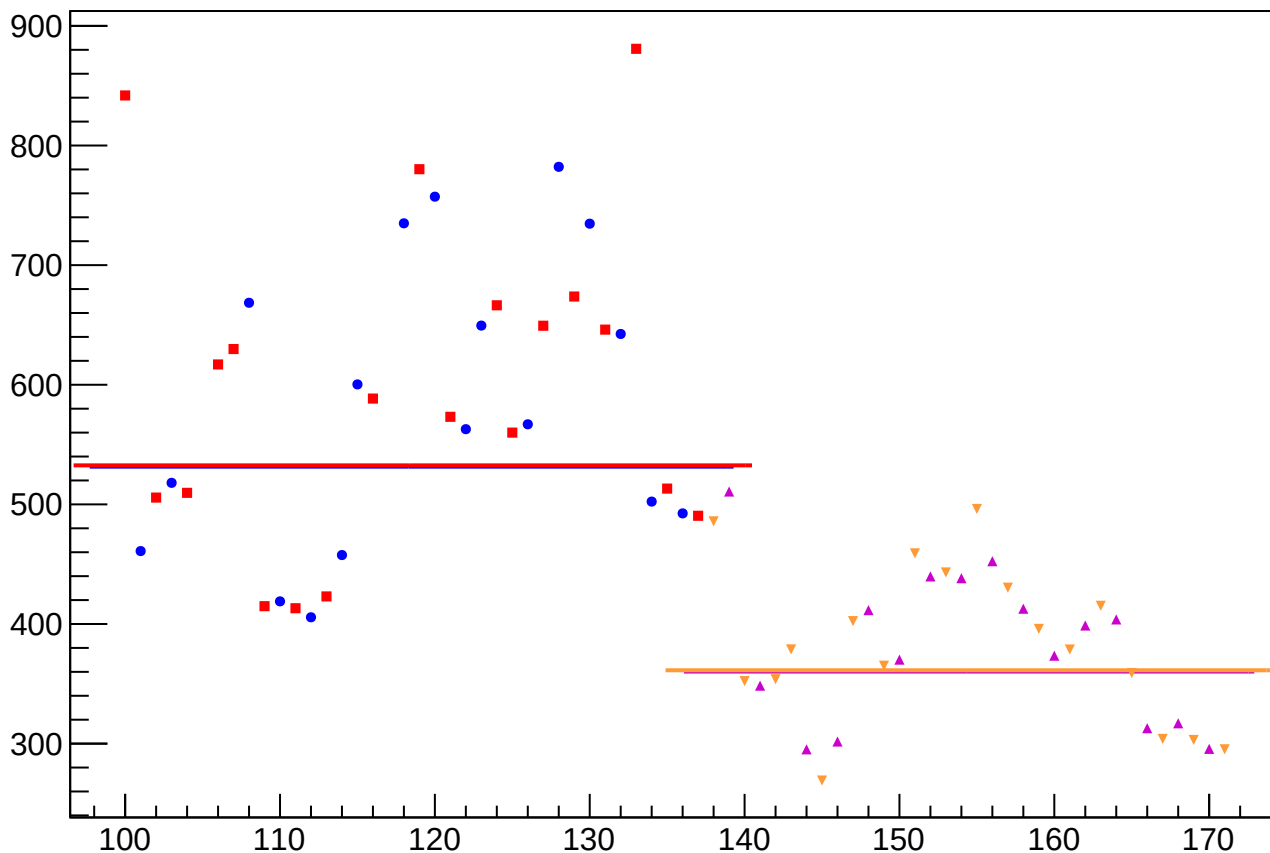
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: 88.197 $\pm$ 92.962 χ^2 /NDF:39.2/32

Out: 368.955 $\pm$ 89.937 χ^2 /NDF:76.4/36

All: 233.219 $\pm$ 64.638 χ^2 /NDF: 120.3/69

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 361.320+/-0.071 χ^2/NDF : 810347.1/17

Right Out: 532.620+/-0.145 χ^2/NDF : 615746.2/18

Left In: 360.240+/-0.073 χ^2/NDF : 654447.4/15

Left: 360.798+/-0.051 χ^2/NDF : 1464907.1/33

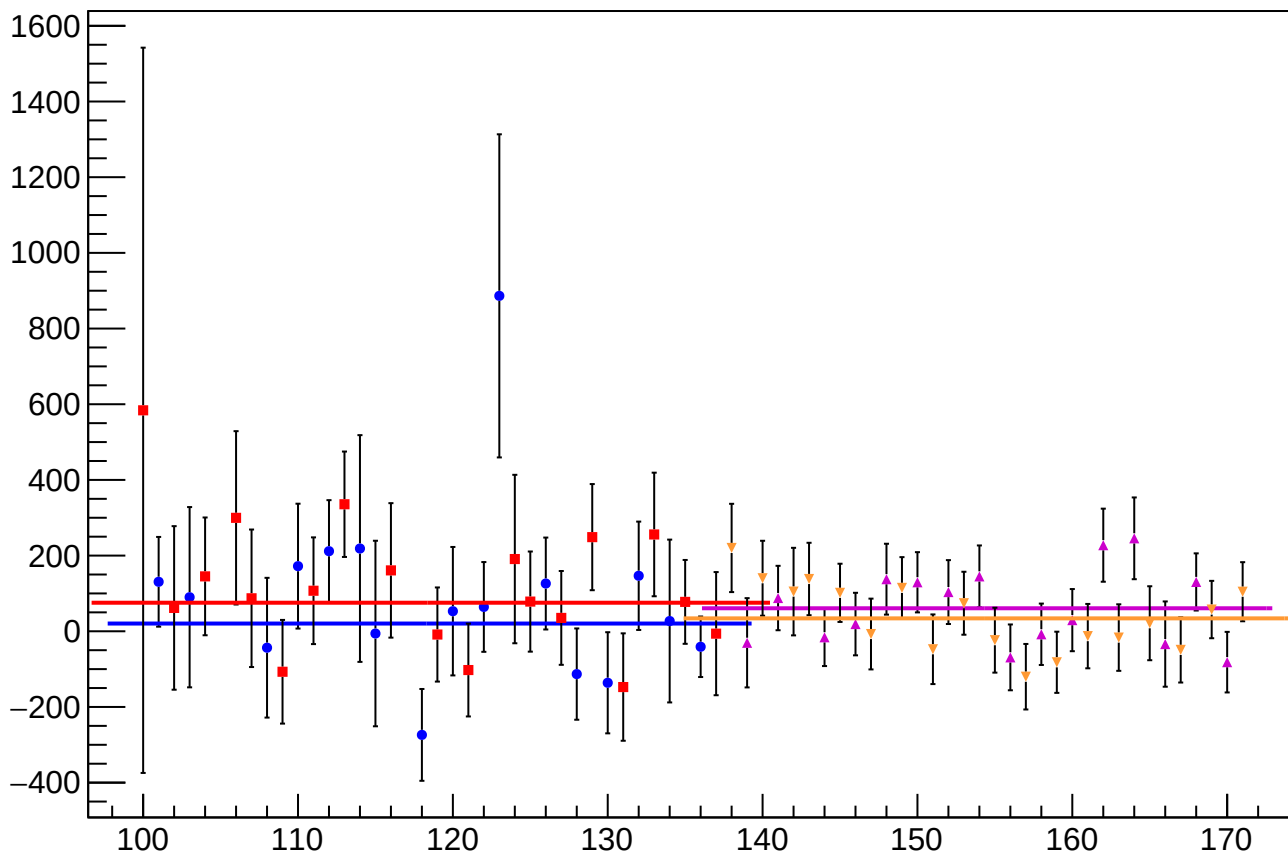
Right: 532.104+/-0.104 χ^2/NDF : 1165860.0/35

In: 393.286+/-0.066 χ^2/NDF : 2261979.2/32

Out: 394.225+/-0.064 χ^2/NDF : 2552096.9/36

All: 393.771+/-0.046 χ^2/NDF : 4814181.4/69

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 34.114+/-20.744 χ^2/NDF : 16.4/17

Right Out: 75.454+/-34.698 χ^2/NDF : 15.4/18

Left In: 60.790+/-21.685 χ^2/NDF : 18.4/15

Left: 46.861+/-14.990 χ^2/NDF : 35.6/33

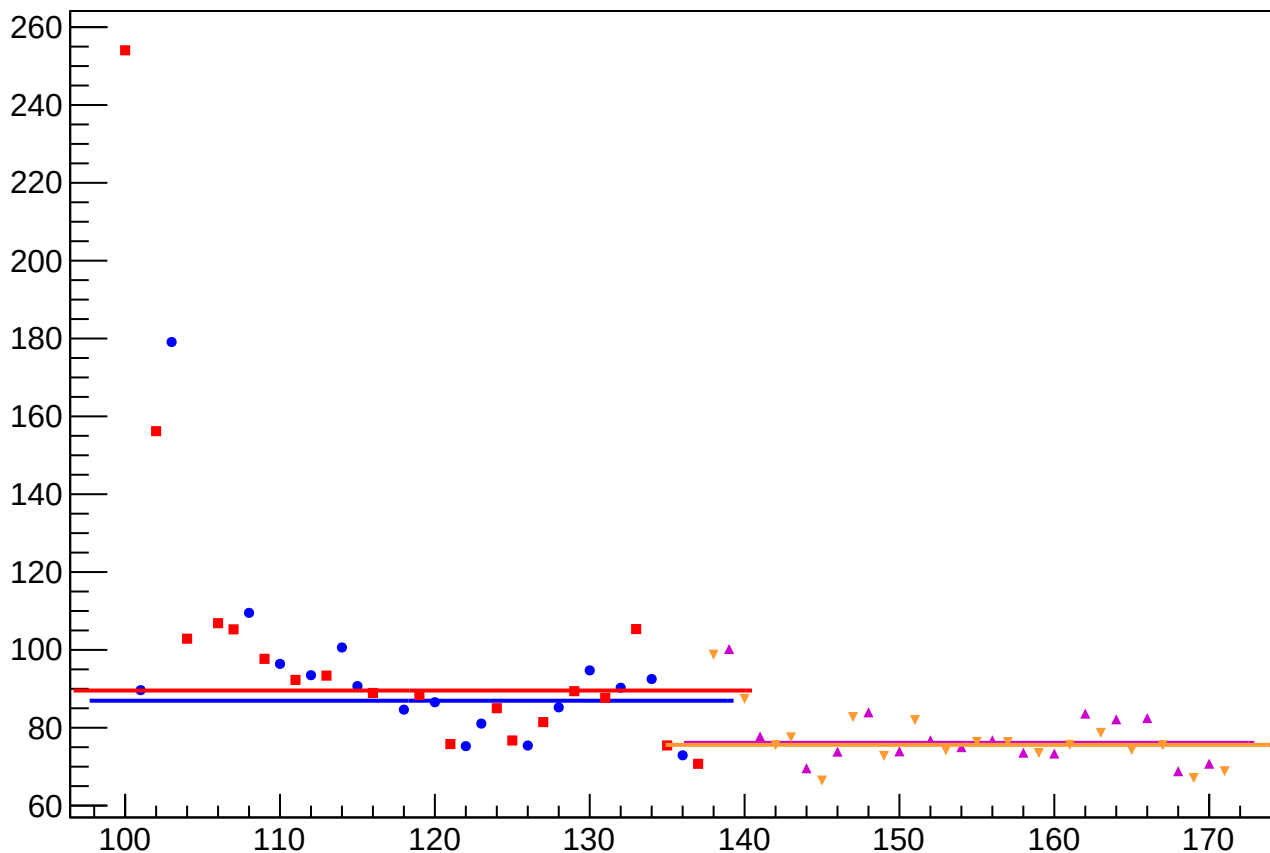
Right: 47.856+/-24.495 χ^2/NDF : 35.9/35

In: 49.403+/-18.372 χ^2/NDF : 38.7/32

Out: 44.999+/-17.805 χ^2/NDF : 32.8/36

All: 47.132+/-12.786 χ^2/NDF : 71.5/69

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: 75.607 $\pm$ 0.015 χ^2 /NDF: 205571.0/17

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

Left In: 76.116 $\pm$ 0.015 χ^2 /NDF: 173276.8/15

Left: 75.851 $\pm$ 0.011 χ^2 /NDF: 379423.4/33

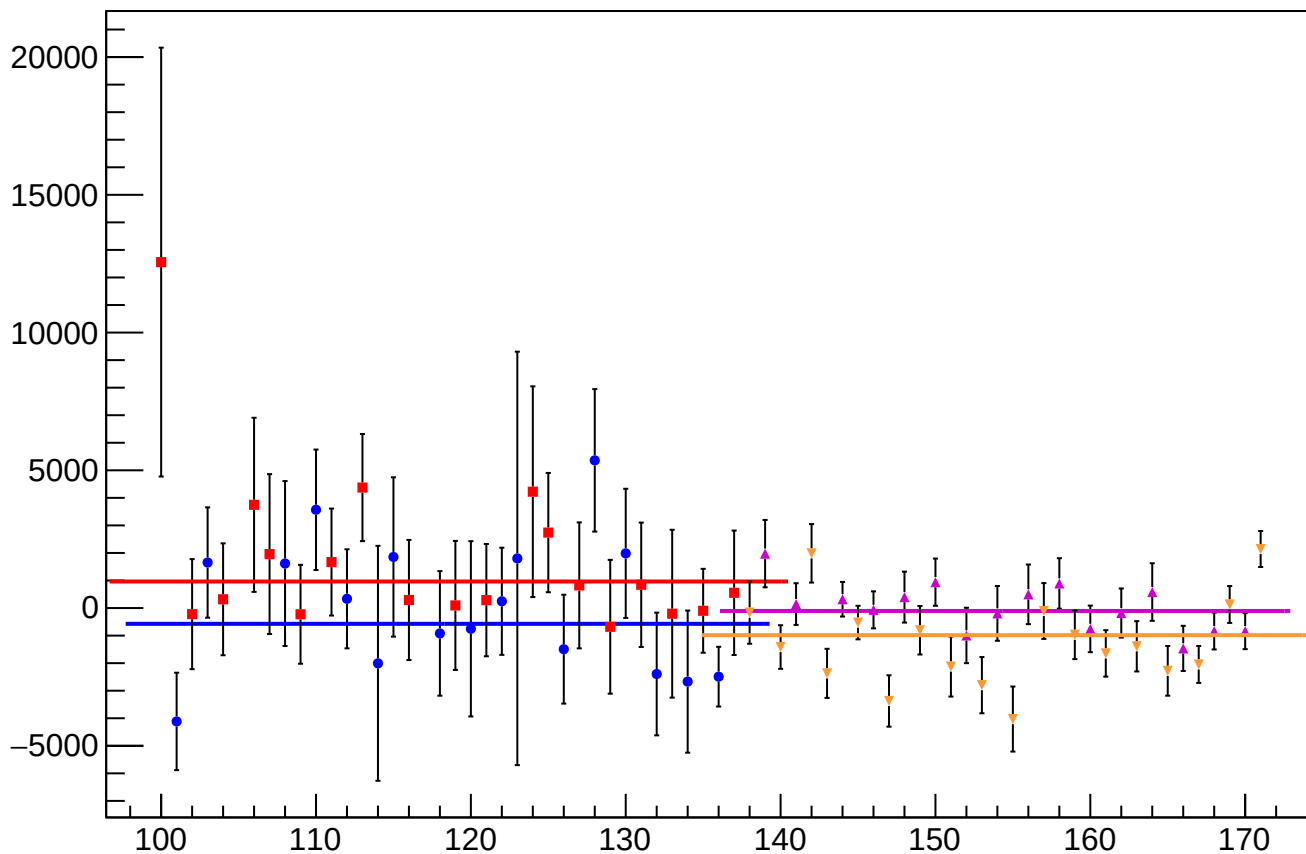
Right: 88.247 $\pm$ 0.017 χ^2 /NDF: 892752.0/35

In: 79.172 $\pm$ 0.013 χ^2 /NDF: 769770.0/32

Out: 79.281 $\pm$ 0.013 χ^2 /NDF: 875072.5/36

All: 79.228 $\pm$ 0.009 χ^2 /NDF: 1644879.1/69

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 $\pm$ 517.020 χ^2 /NDF: 21.9/16

Left Out: -983.866 $\pm$ 199.654 χ^2 /NDF:61.0/17

Right Out: 963.846 $\pm$ 514.621 χ^2 /NDF: 10.1/18

Left In: -105.089 $\pm$ 206.818 χ^2 /NDF:13.8/15

Left: -559.959 $\pm$ 143.643 χ^2 /NDF: 84.1/33

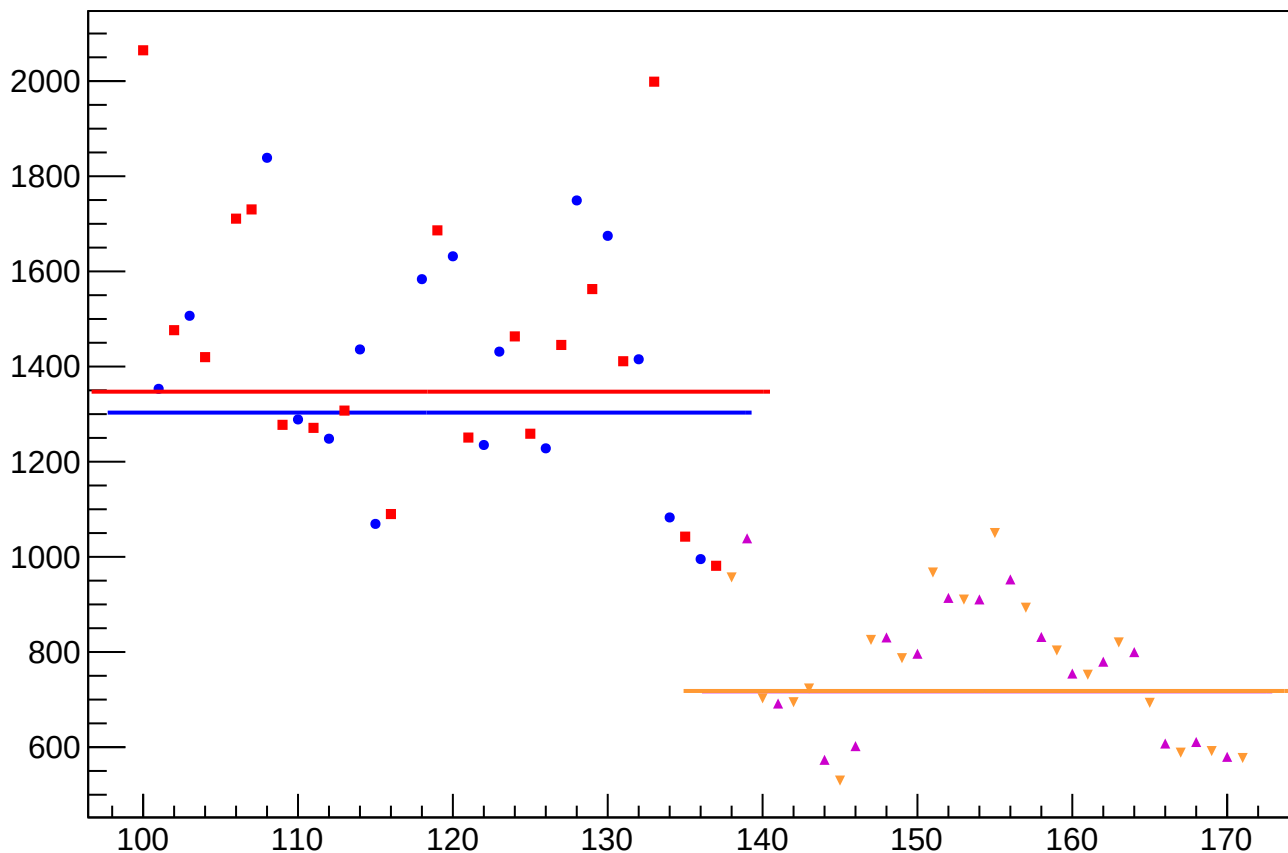
Right: 199.325 $\pm$ 364.737 χ^2 /NDF: 36.4/35

In: -169.543 $\pm$ 192.024 χ^2 /NDF:36.3/32

Out: -729.057 $\pm$ 186.137 χ^2 /NDF:83.5/36

All: -458.008 $\pm$ 133.652 χ^2 /NDF: 124.3/69

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201 ± 0.366 $\chi^2/\text{NDF}: 451961.9/16$

Left Out: 718.115 ± 0.141 $\chi^2/\text{NDF}: 1002363.1/17$

Right Out: 1347.177 ± 0.364 $\chi^2/\text{NDF}: 420774.0/18$

Left In: 717.379 ± 0.146 $\chi^2/\text{NDF}: 830296.8/15$

Left: 717.760 ± 0.102 $\chi^2/\text{NDF}: 1832673.0/33$

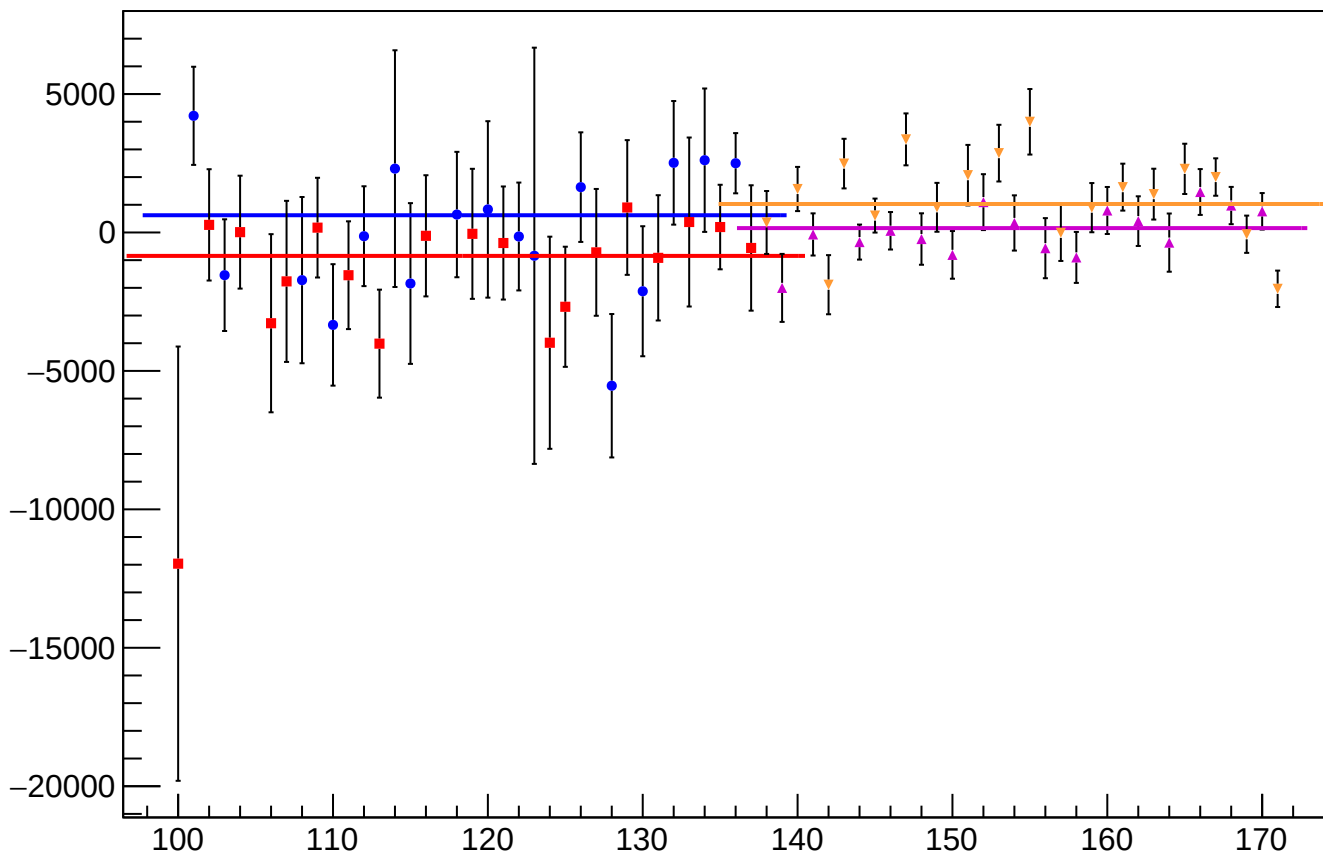
Right: 1325.291 ± 0.258 $\chi^2/\text{NDF}: 880004.2/35$

In: 798.189 ± 0.136 $\chi^2/\text{NDF}: 3495772.8/32$

Out: 800.412 ± 0.132 $\chi^2/\text{NDF}: 4020601.3/36$

All: 799.335 ± 0.095 $\chi^2/\text{NDF}: 7516512.3/69$

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1028.491 $\pm$ 200.869 χ^2 /NDF: 58.1/17

Right Out: -846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

Left In: 157.783 $\pm$ 208.107 χ^2 /NDF: 13.6/15

Left: 608.541 $\pm$ 144.527 χ^2 /NDF: 80.8/33

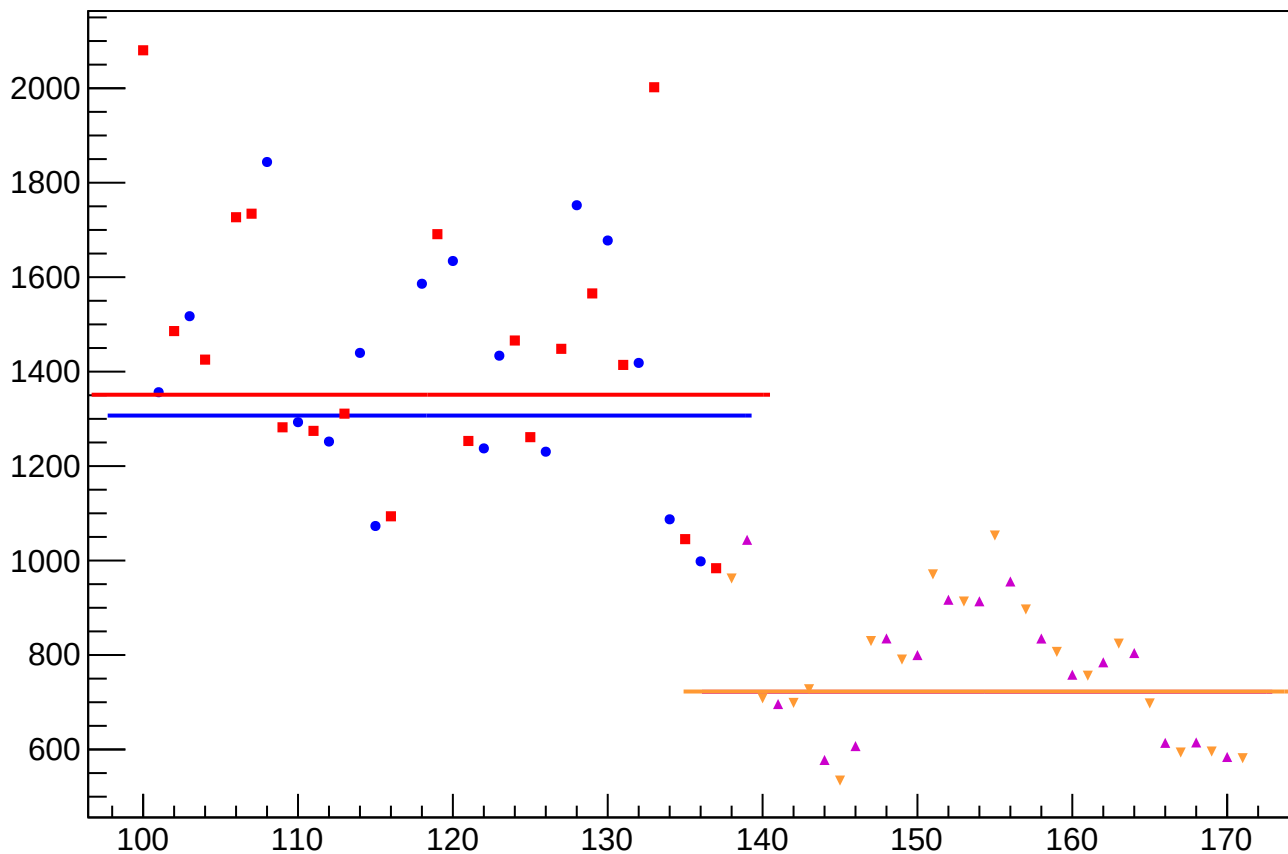
Right: -114.886 $\pm$ 365.862 χ^2 /NDF: 35.1/35

In: 222.248 $\pm$ 193.131 χ^2 /NDF: 36.3/32

Out: 782.079 $\pm$ 187.202 χ^2 /NDF: 78.6/36

All: 510.889 $\pm$ 134.419 χ^2 /NDF: 119.3/69

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 722.703 ± 0.142 $\chi^2/\text{NDF}: 986951.9/17$

Right Out: 1351.096 ± 0.365 $\chi^2/\text{NDF}: 421804.6/18$

Left In: 722.072 ± 0.147 $\chi^2/\text{NDF}: 816279.6/15$

Left: 722.399 ± 0.102 $\chi^2/\text{NDF}: 1803241.0/33$

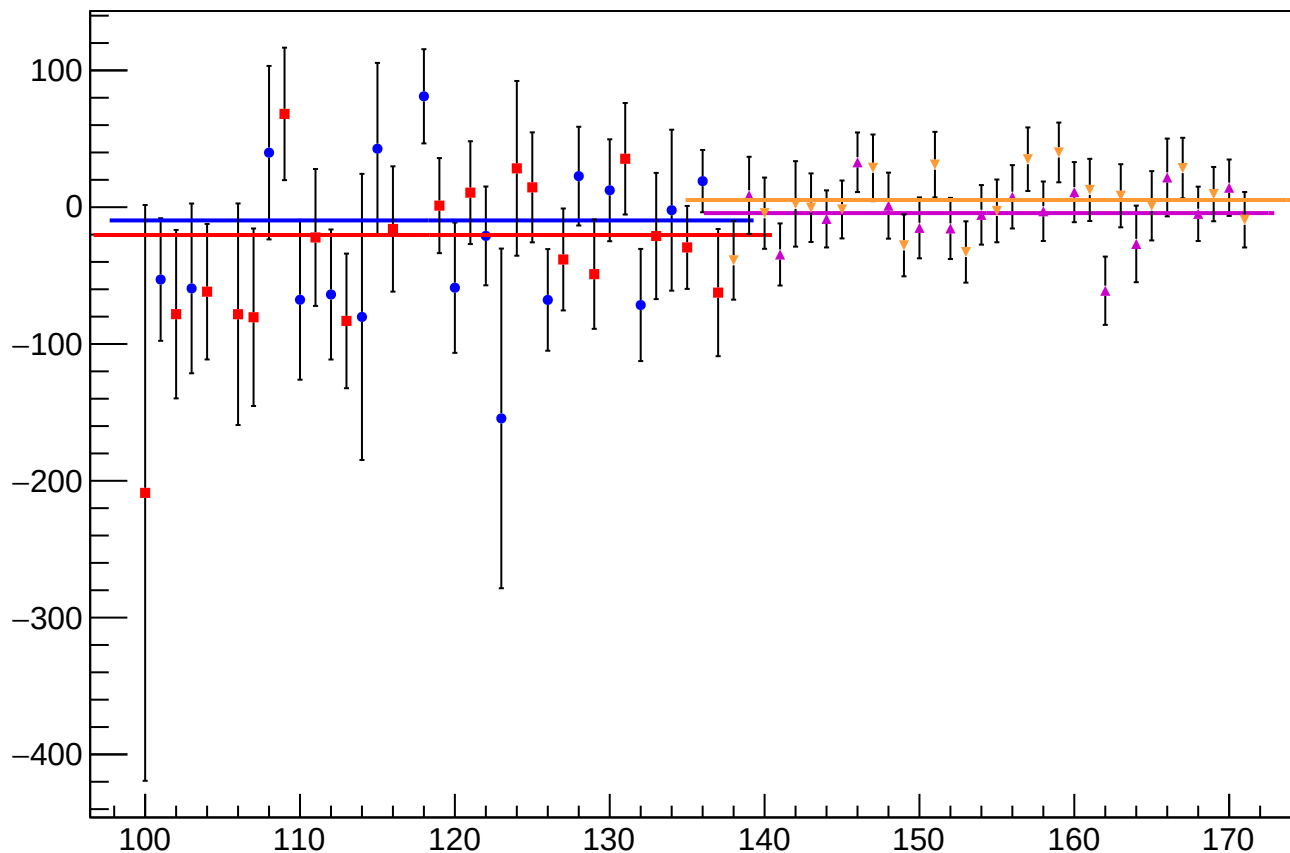
Right: 1329.131 ± 0.259 $\chi^2/\text{NDF}: 880266.0/35$

In: 803.225 ± 0.137 $\chi^2/\text{NDF}: 3459503.9/32$

Out: 805.308 ± 0.132 $\chi^2/\text{NDF}: 3981760.6/36$

All: 804.299 ± 0.095 $\chi^2/\text{NDF}: 7441384.4/69$

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: 5.244 ± 5.492 $\chi^2/\text{NDF}: 15.9/17$

Right Out: -20.335 ± 10.444 $\chi^2/\text{NDF}: 14.7/18$

Left In: -4.313 ± 5.725 $\chi^2/\text{NDF}: 13.7/15$

Left: 0.664 ± 3.963 $\chi^2/\text{NDF}: 31.1/33$

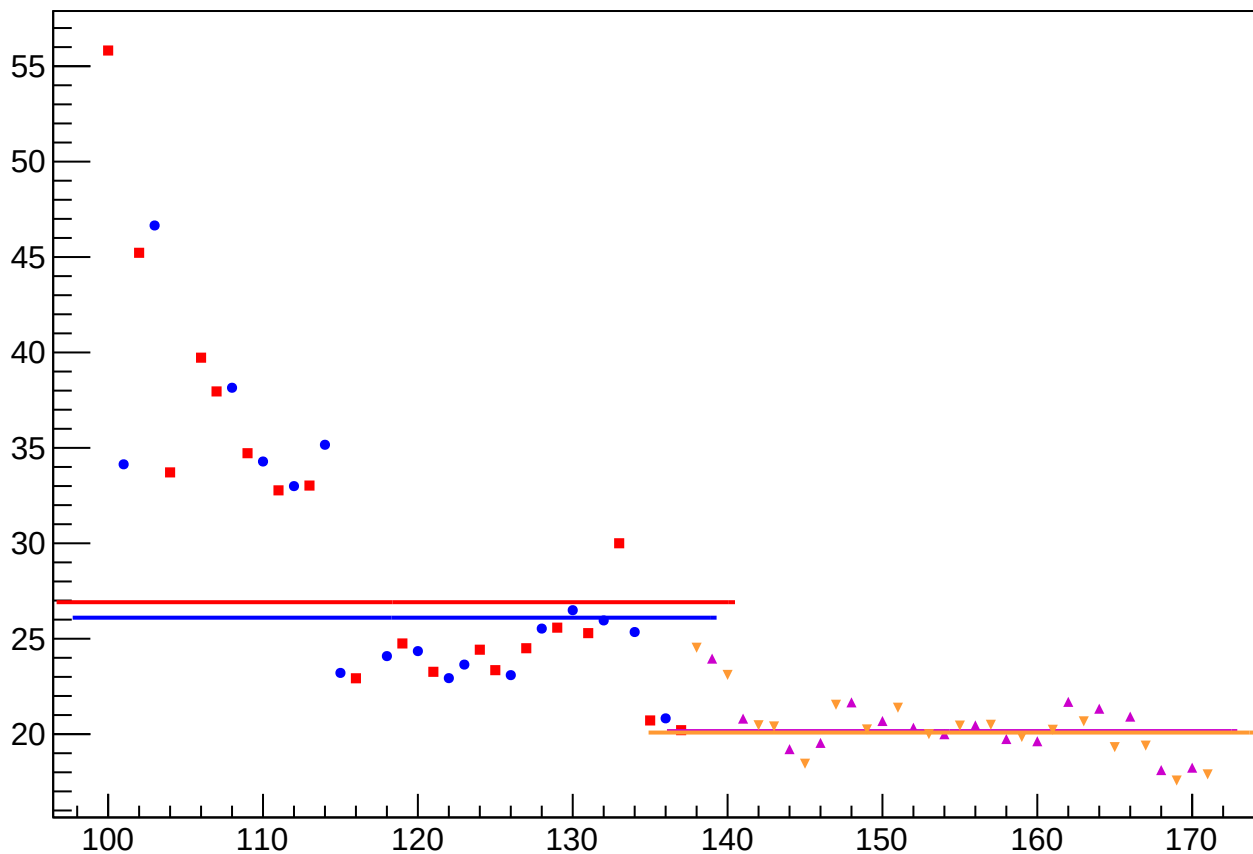
Right: -14.983 ± 7.372 $\chi^2/\text{NDF}: 37.7/35$

In: -5.557 ± 5.016 $\chi^2/\text{NDF}: 36.5/32$

Out: -0.297 ± 4.861 $\chi^2/\text{NDF}: 35.3/36$

All: -2.844 ± 3.491 $\chi^2/\text{NDF}: 72.3/69$

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 20.083+/-0.004 χ^2/NDF :162328.6/17

Right Out: 26.914+/-0.007 χ^2/NDF : 678970.2/18

Left In: 20.161+/-0.004 χ^2/NDF :105996.4/15

Left: 20.120+/-0.003 χ^2/NDF : 268517.5/33

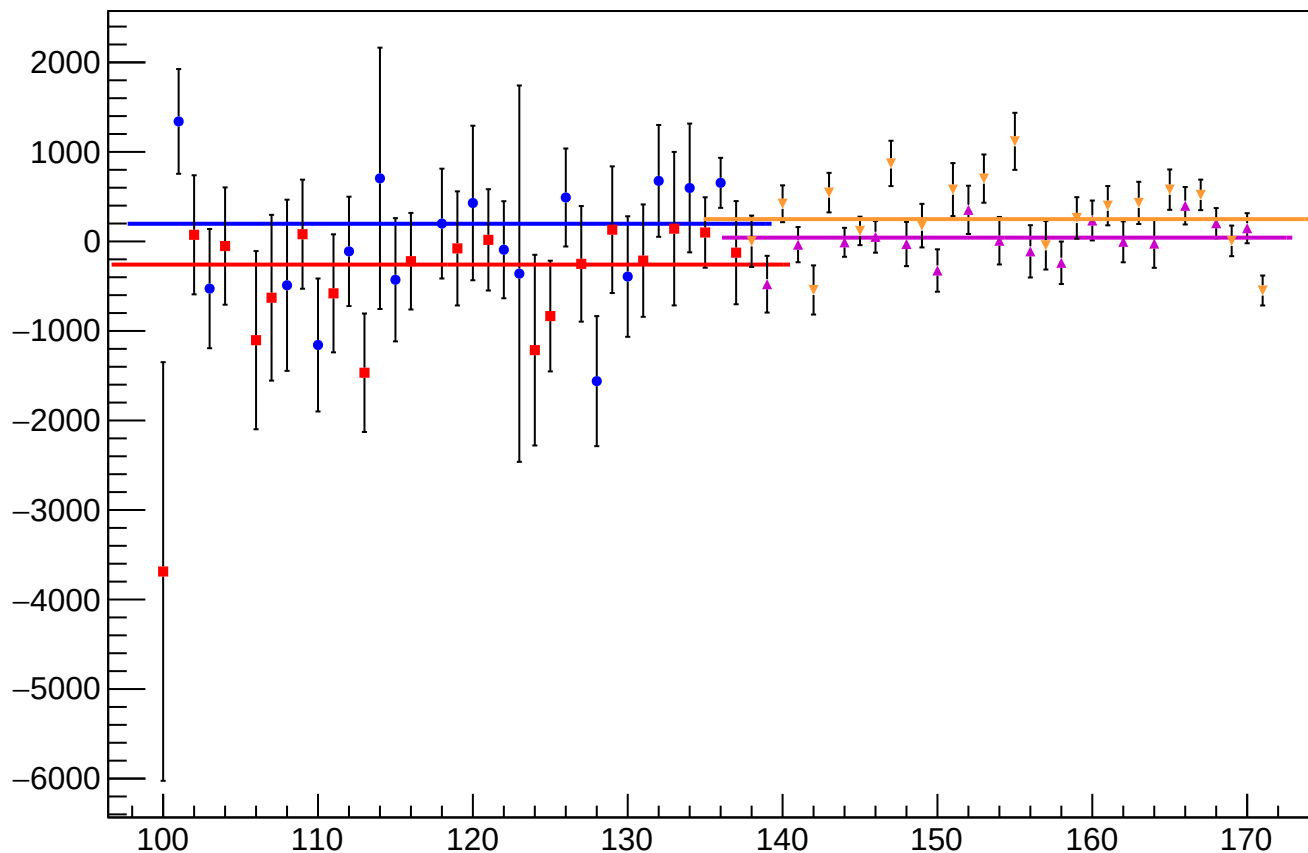
Right: 26.507+/-0.005 χ^2/NDF : 1289062.8/35

In: 21.541+/-0.004 χ^2/NDF :1210451.5/32

Out: 21.563+/-0.003 χ^2/NDF :1511539.4/36

All: 21.552+/-0.002 χ^2/NDF : 2722010.2/69

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: 249.242 $\pm$ 51.860 χ^2 /NDF:61.5/17

Right Out: -258.537 $\pm$ 149.867 χ^2 /NDF: 10.7/18

Left In: 42.265 $\pm$ 53.910 χ^2 /NDF:13.5/15

Left: 149.763 $\pm$ 37.374 χ^2 /NDF: 82.7/33

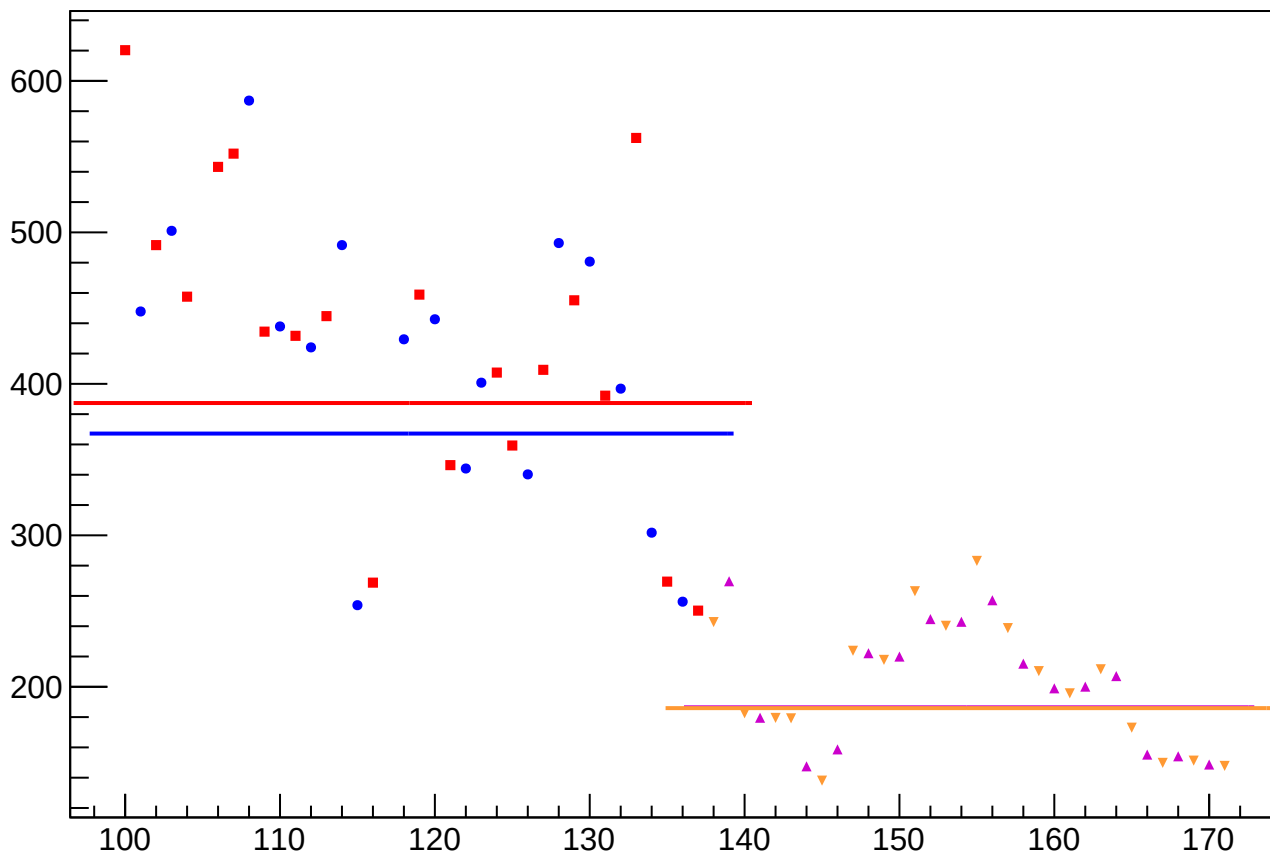
Right: -27.568 $\pm$ 105.264 χ^2 /NDF: 36.3/35

In: 60.454 $\pm$ 50.649 χ^2 /NDF:35.4/32

Out: 194.940 $\pm$ 49.009 χ^2 /NDF:82.5/36

All: 129.910 $\pm$ 35.220 χ^2 /NDF: 121.5/69

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180+/-0.105 χ^2/NDF : 827148.2/16

Left Out: 185.920+/-0.037 χ^2/NDF : 1154738.8/17

Right Out: 387.344+/-0.106 χ^2/NDF : 774562.4/18

Left In: 186.474+/-0.038 χ^2/NDF : 962528.6/15

Left: 186.186+/-0.026 χ^2/NDF : 2117377.1/33

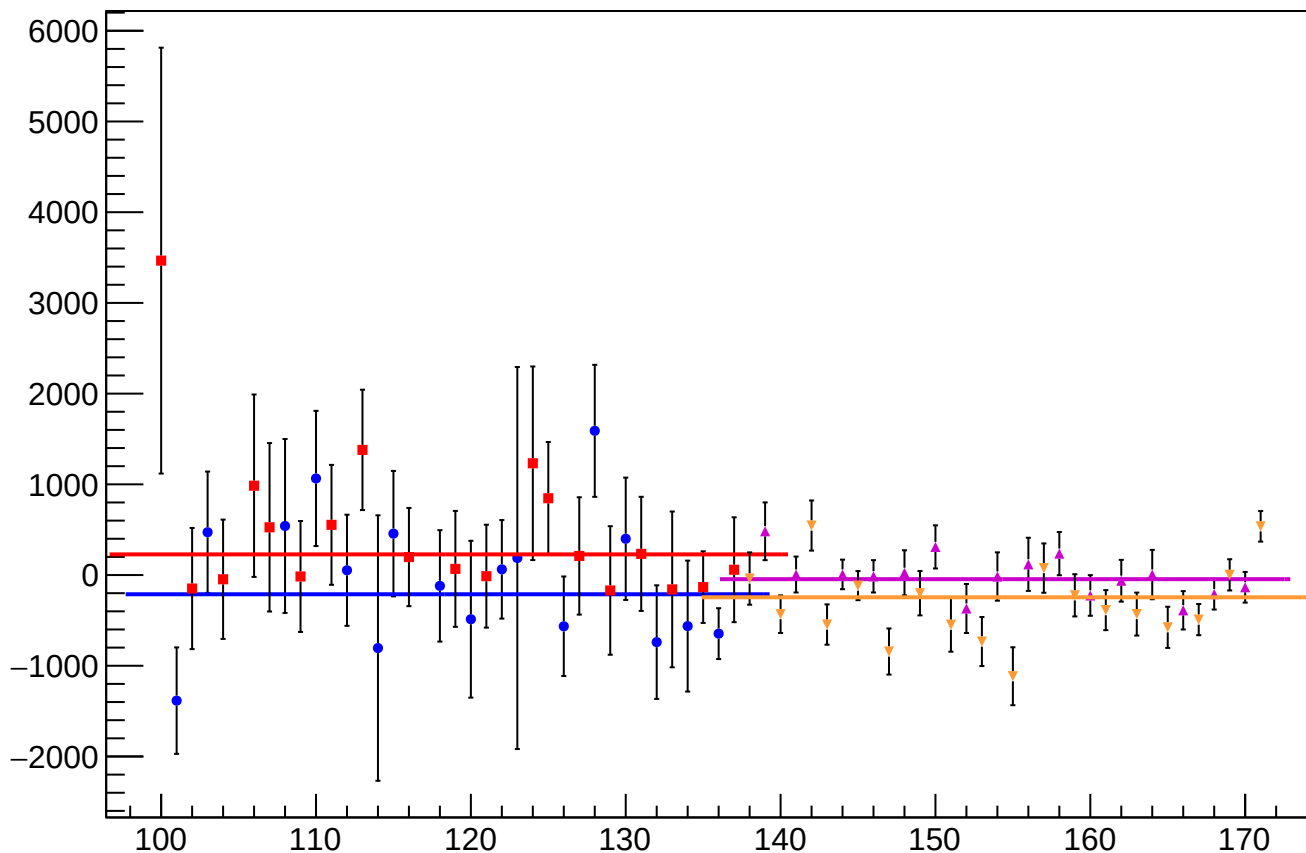
Right: 377.128+/-0.074 χ^2/NDF : 1620053.1/35

In: 207.672+/-0.036 χ^2/NDF : 4425698.9/32

Out: 207.460+/-0.035 χ^2/NDF : 5155714.7/36

All: 207.562+/-0.025 χ^2/NDF : 9581431.6/69

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 $\chi^2/\text{NDF}: 21.0/16$

Left Out: -245.085 ± 52.189 $\chi^2/\text{NDF}: 59.5/17$

Right Out: 227.831 ± 150.317 $\chi^2/\text{NDF}: 10.1/18$

Left In: -45.454 ± 54.256 $\chi^2/\text{NDF}: 13.0/15$

Left: -149.144 ± 37.613 $\chi^2/\text{NDF}: 79.5/33$

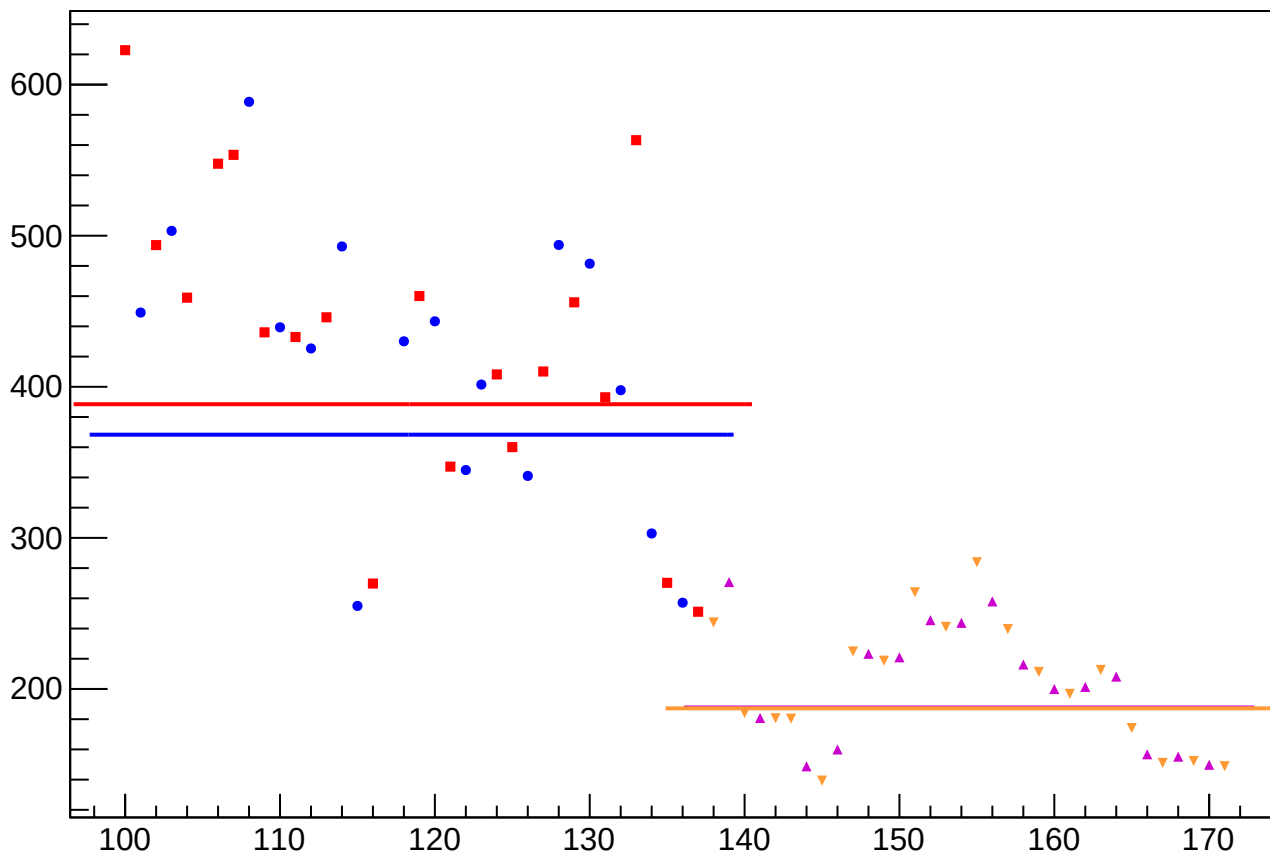
Right: 5.040 ± 105.575 $\chi^2/\text{NDF}: 35.4/35$

In: -65.094 ± 50.953 $\chi^2/\text{NDF}: 35.1/32$

Out: -194.210 ± 49.302 $\chi^2/\text{NDF}: 78.4/36$

All: -131.778 ± 35.431 $\chi^2/\text{NDF}: 116.8/69$

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 ± 0.105 $\chi^2/\text{NDF}: 824619.2/16$

Left Out: 187.174 ± 0.037 $\chi^2/\text{NDF}: 1136316.9/17$

Right Out: 388.472 ± 0.106 $\chi^2/\text{NDF}: 774717.2/18$

Left In: 187.744 ± 0.038 $\chi^2/\text{NDF}: 945499.8/15$

Left: 187.448 ± 0.027 $\chi^2/\text{NDF}: 2081931.7/33$

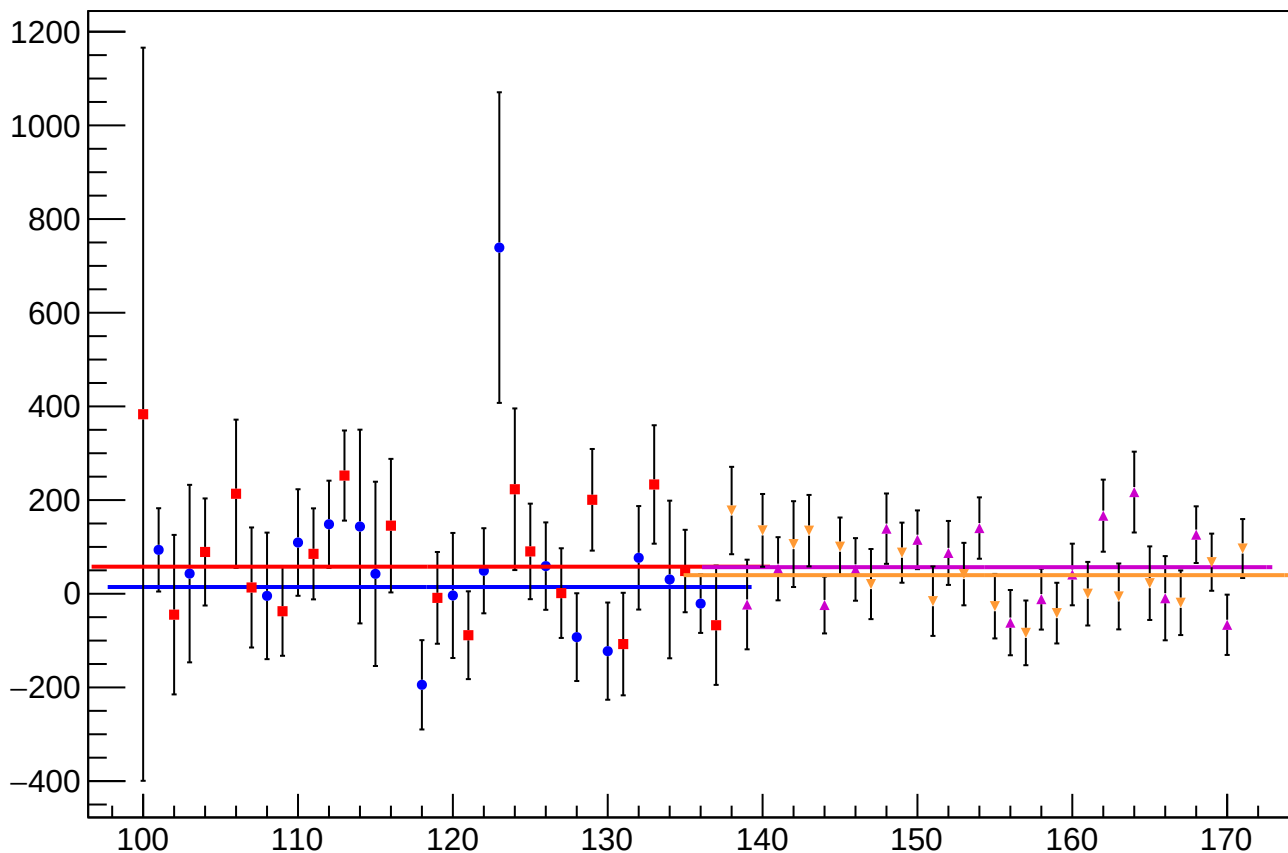
Right: 378.252 ± 0.075 $\chi^2/\text{NDF}: 1617584.5/35$

In: 209.055 ± 0.036 $\chi^2/\text{NDF}: 4384327.7/32$

Out: 208.829 ± 0.035 $\chi^2/\text{NDF}: 5111912.8/36$

All: 208.938 ± 0.025 $\chi^2/\text{NDF}: 9496260.8/69$

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: 39.707 $\pm$ 16.601 χ^2 /NDF:16.1/17

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

Left In: 56.765 $\pm$ 17.361 χ^2 /NDF:21.4/15

Left: 47.854 $\pm$ 11.998 χ^2 /NDF: 38.1/33

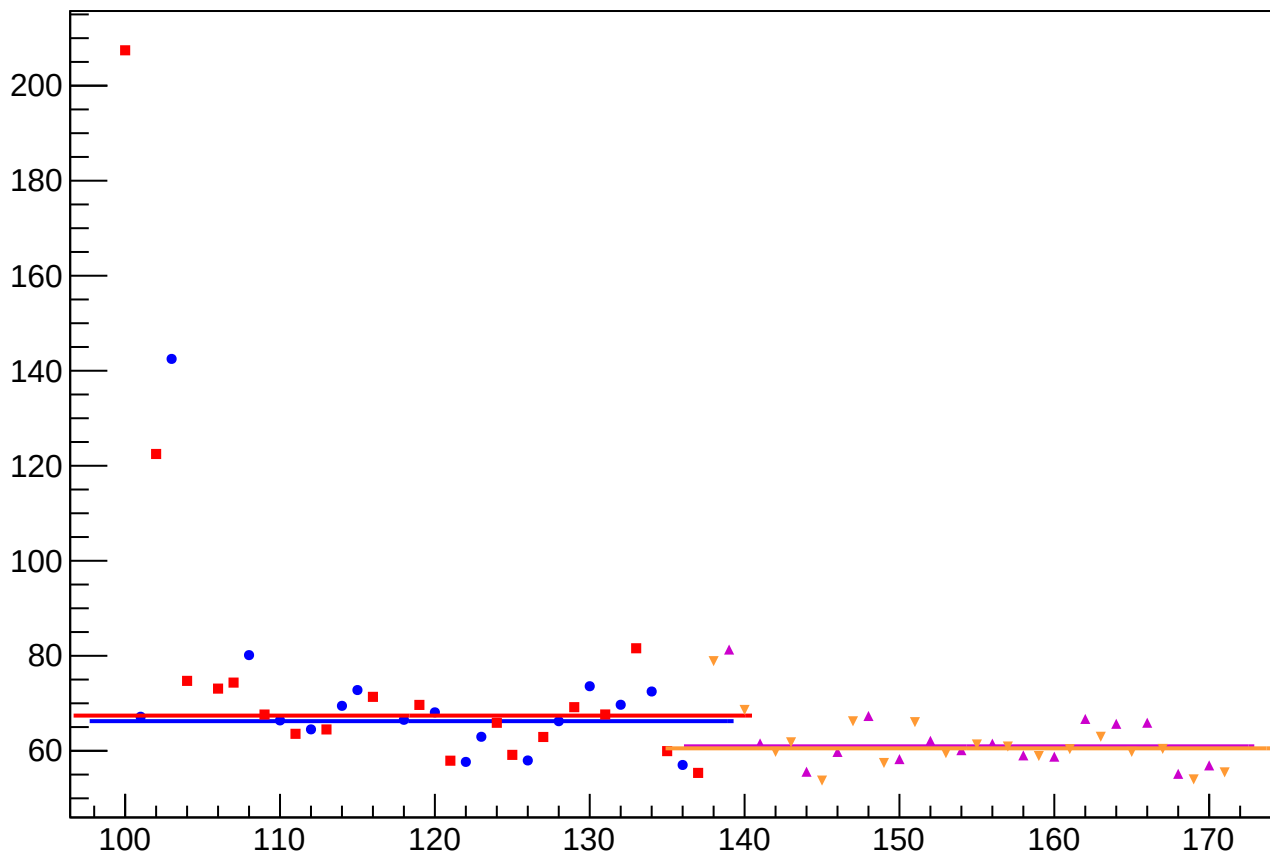
Right: 36.266 $\pm$ 18.545 χ^2 /NDF: 37.5/35

In: 43.926 $\pm$ 14.494 χ^2 /NDF:40.9/32

Out: 44.911 $\pm$ 14.011 χ^2 /NDF:34.9/36

All: 44.435 $\pm$ 10.074 χ^2 /NDF: 75.8/69

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: 60.523 $\pm$ 0.012 χ^2 /NDF:191195.1/17

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

Left In: 60.948 $\pm$ 0.012 χ^2 /NDF:179388.7/15

Left: 60.726 $\pm$ 0.008 χ^2 /NDF: 371211.4/33

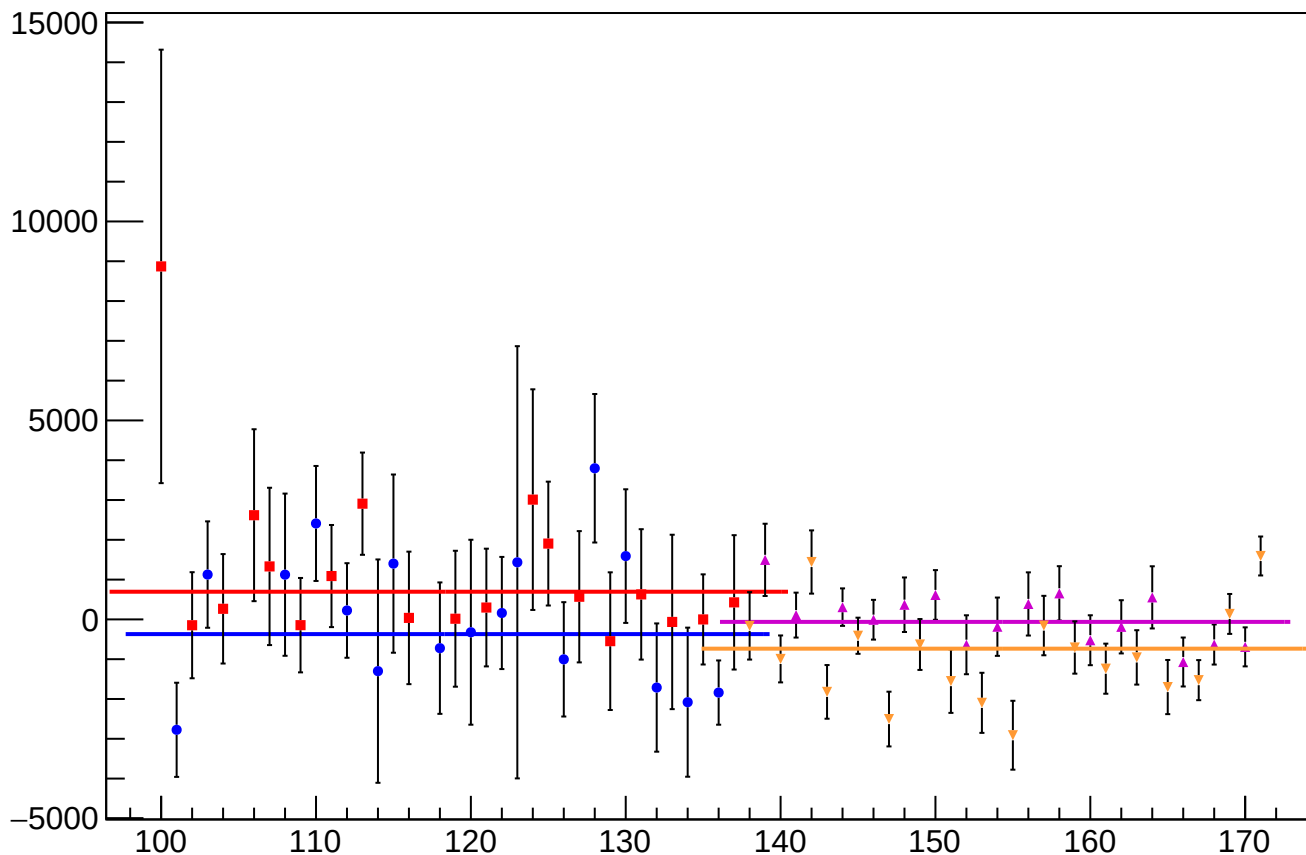
Right: 66.836 $\pm$ 0.013 χ^2 /NDF: 836536.0/35

In: 62.554 $\pm$ 0.010 χ^2 /NDF:676778.7/32

Out: 62.506 $\pm$ 0.010 χ^2 /NDF:683992.0/36

All: 62.529 $\pm$ 0.007 χ^2 /NDF: 1360782.0/69

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -735.466+/-148.829 χ^2/NDF :60.0/17

Right Out: 695.425+/-361.887 χ^2/NDF : 9.9/18

Left In: -62.535+/-154.047 χ^2/NDF :14.1/15

Left: -410.590+/-107.035 χ^2/NDF : 84.0/33

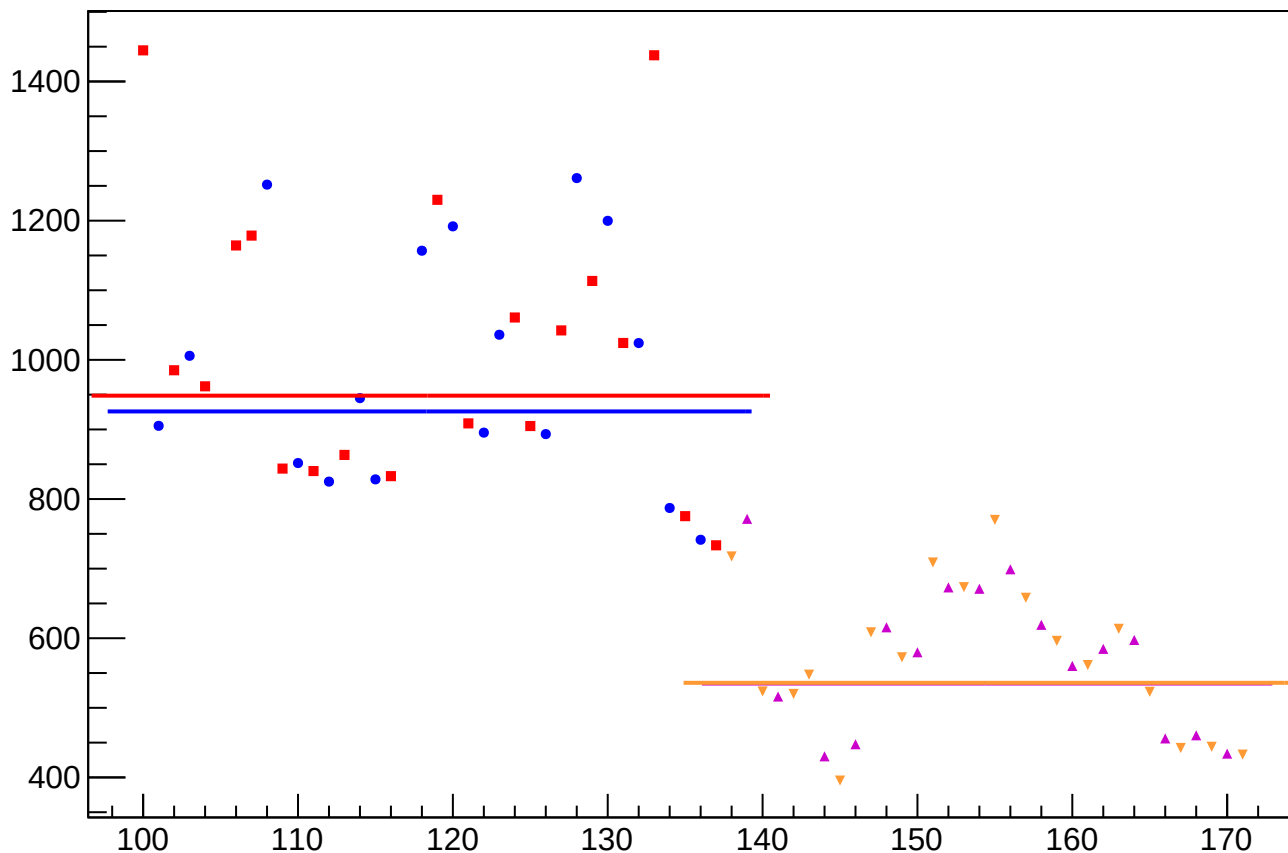
Right: 169.586+/-257.485 χ^2/NDF : 36.5/35

In: -108.645+/-142.008 χ^2/NDF :37.0/32

Out: -528.466+/-137.643 χ^2/NDF :83.3/36

All: -325.106+/-98.836 χ^2/NDF : 124.8/69

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 535.945+/-0.105 χ^2/NDF : 946158.1/17

Right Out: 948.553+/-0.256 χ^2/NDF : 381931.9/18

Left In: 534.911+/-0.109 χ^2/NDF : 778633.0/15

Left: 535.446+/-0.076 χ^2/NDF : 1724837.8/33

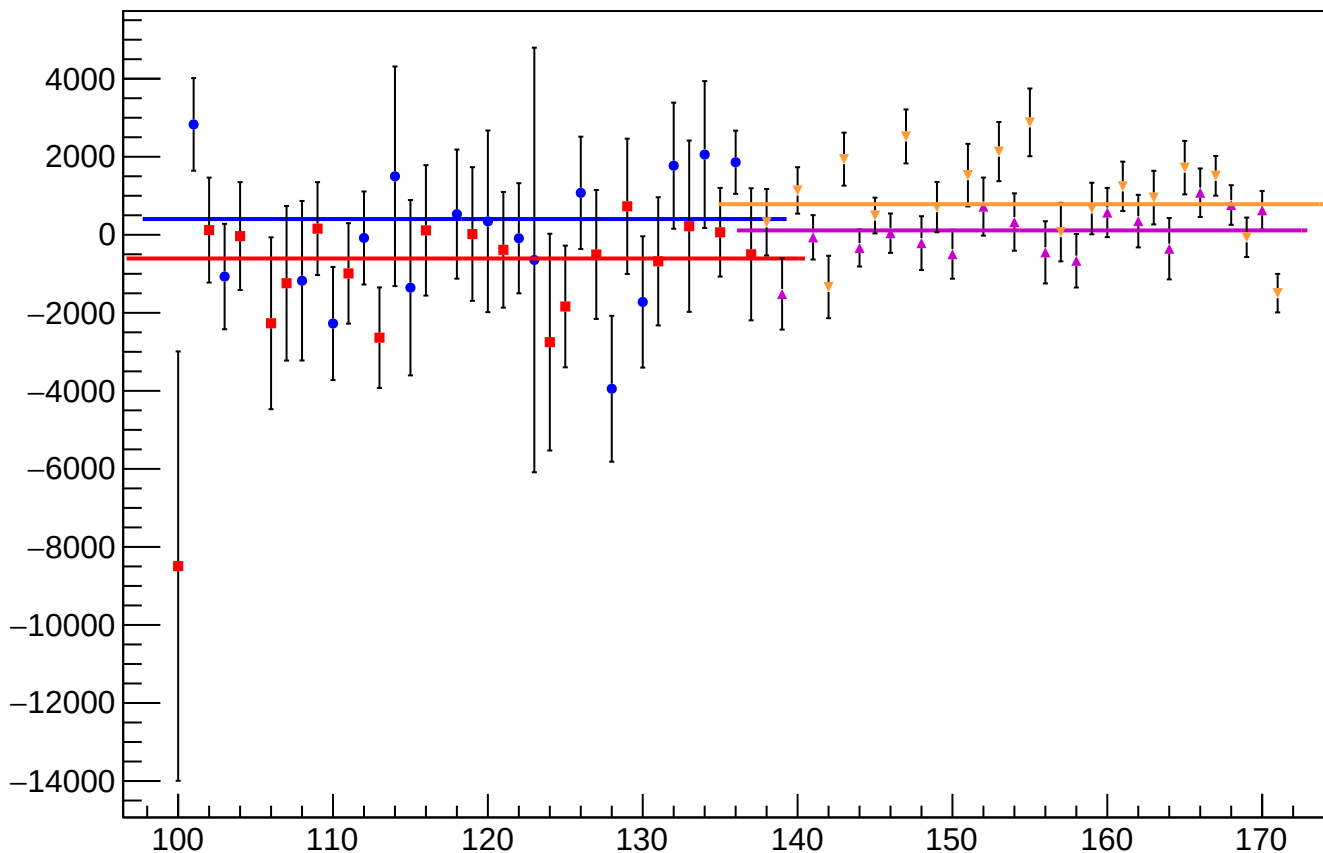
Right: 937.360+/-0.182 χ^2/NDF : 776890.8/35

In: 593.631+/-0.100 χ^2/NDF : 3104621.0/32

Out: 595.635+/-0.097 χ^2/NDF : 3551875.4/36

All: 594.665+/-0.070 χ^2/NDF : 6656701.8/69

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 784.247+/-149.865 χ^2/NDF : 56.7/17

Right Out: -607.276+/-363.327 χ^2/NDF : 8.8/18

Left In: 112.245+/-155.143 χ^2/NDF : 14.1/15

Left: 459.873+/-107.788 χ^2/NDF : 80.5/33

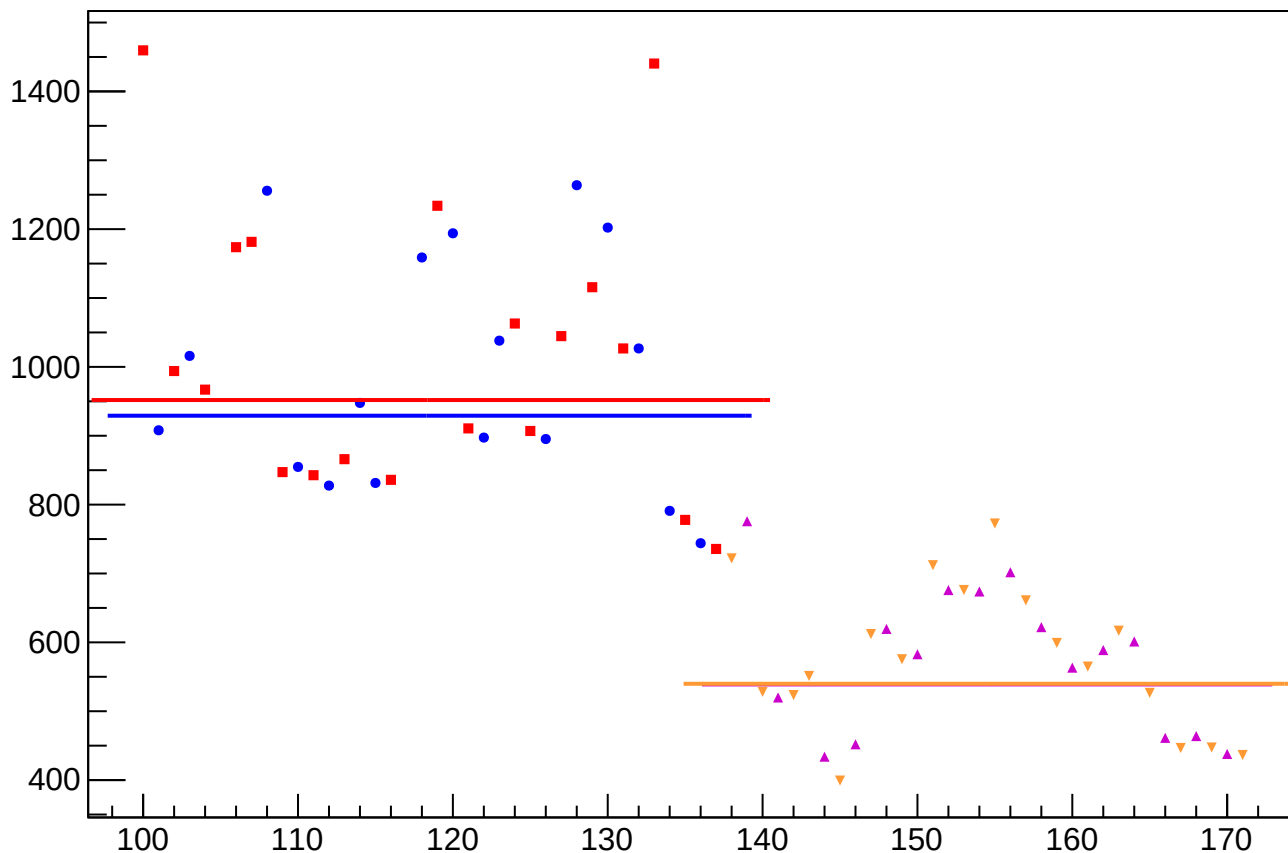
Right: -107.869+/-258.438 χ^2/NDF : 35.1/35

In: 156.277+/-142.940 χ^2/NDF : 37.0/32

Out: 581.920+/-138.542 χ^2/NDF : 78.1/36

All: 375.747+/-99.482 χ^2/NDF : 119.7/69

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2/NDF : 390292.1/16

Left Out: 539.852 $\pm$ 0.106 χ^2/NDF : 929128.3/17

Right Out: 951.847 $\pm$ 0.257 χ^2/NDF : 382219.3/18

Left In: 538.896 $\pm$ 0.110 χ^2/NDF : 763703.1/15

Left: 539.390 $\pm$ 0.076 χ^2/NDF : 1692870.6/33

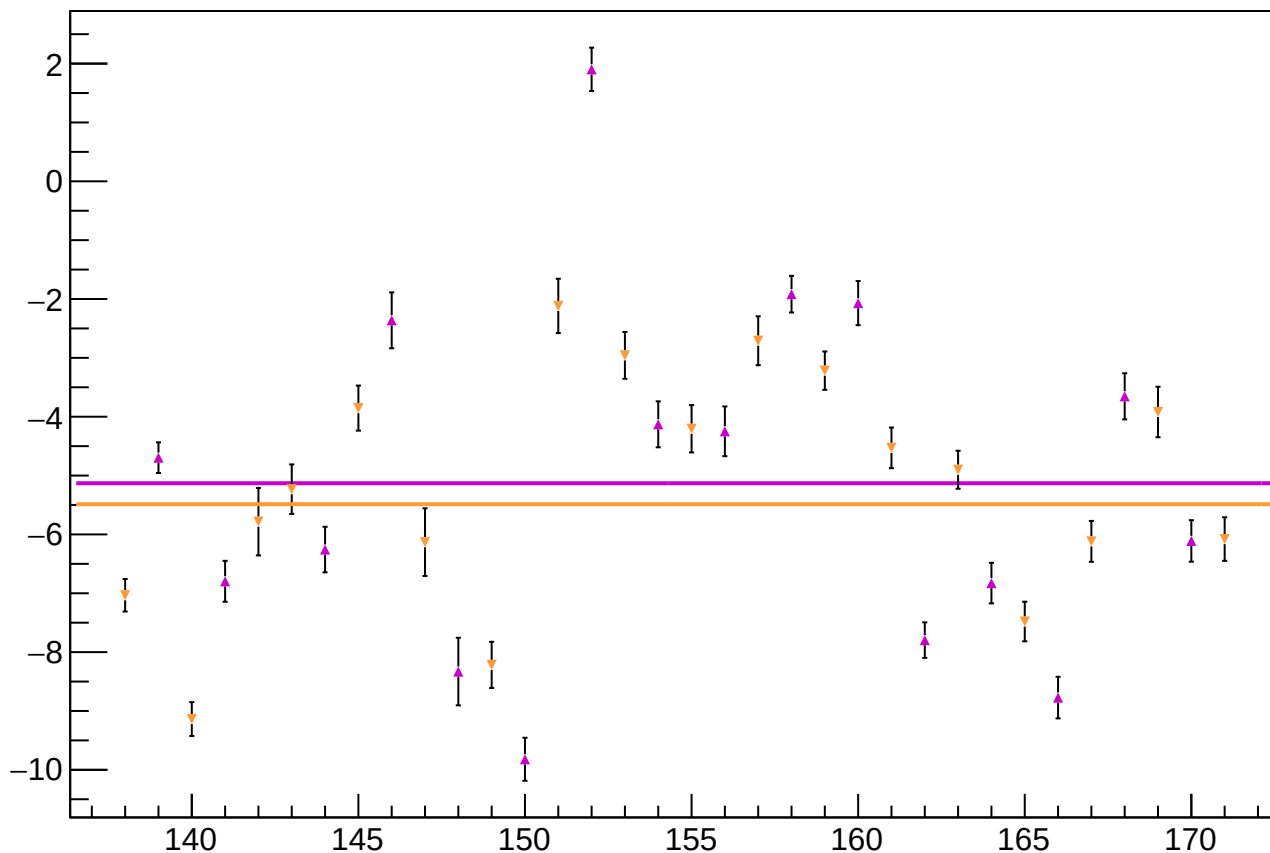
Right: 940.607 $\pm$ 0.183 χ^2/NDF : 776385.5/35

In: 597.867 $\pm$ 0.101 χ^2/NDF : 3066018.4/32

Out: 599.756 $\pm$ 0.098 χ^2/NDF : 3509103.7/36

All: 598.841 $\pm$ 0.070 χ^2/NDF : 6575302.2/69

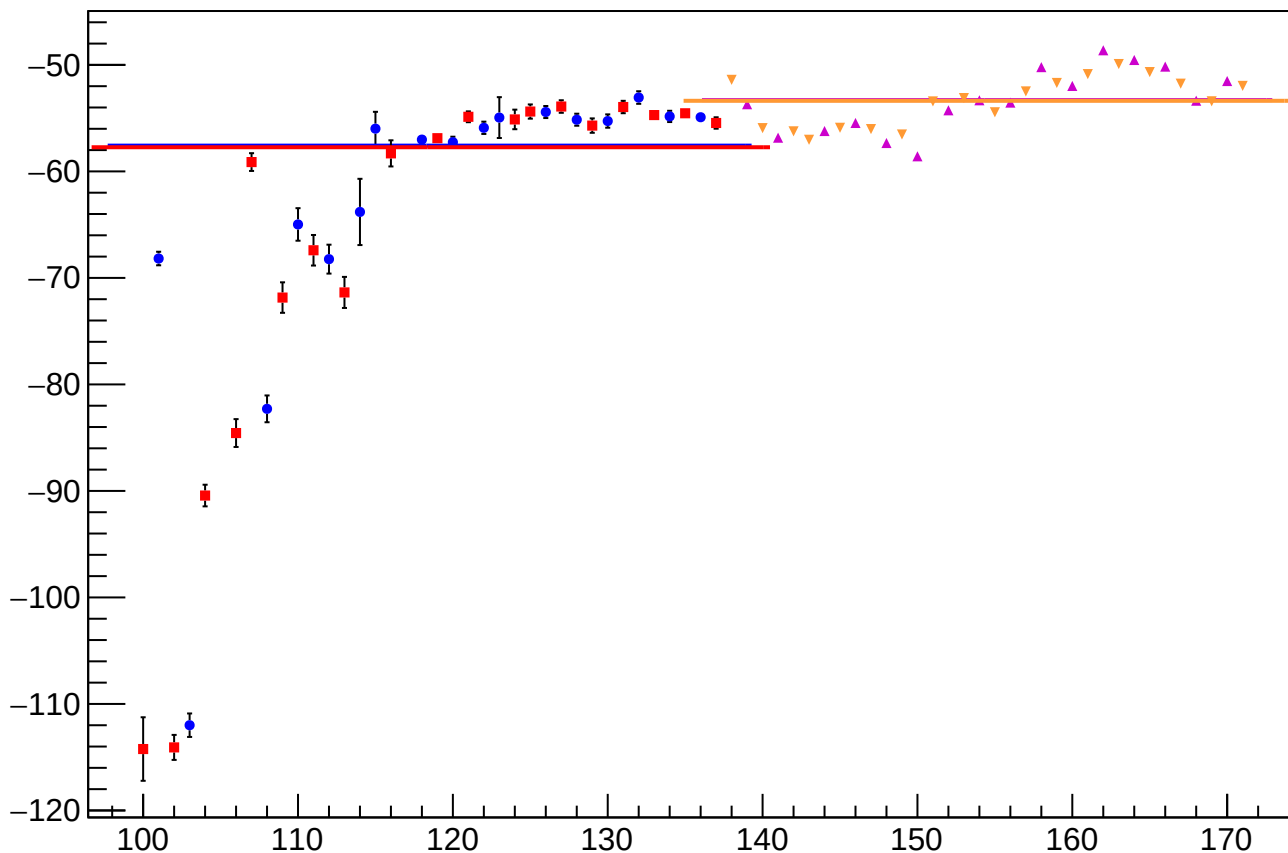
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -5.487 ± 0.088 χ^2/NDF : 522.7/17
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -5.131 ± 0.090 χ^2/NDF : 1043.0/15

Left: -5.314 ± 0.063 χ^2/NDF : 1573.8/33
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -5.131 ± 0.090 χ^2/NDF : 1043.0/15
 Out: -5.487 ± 0.088 χ^2/NDF : 522.7/17
 All: -5.314 ± 0.063 χ^2/NDF : 1573.8/33

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -53.371 ± 0.066 χ^2/NDF : 1193.8/17

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

Left In: -53.306 ± 0.069 χ^2/NDF : 1930.0/15

Left: -53.340 ± 0.048 χ^2/NDF : 3124.3/33

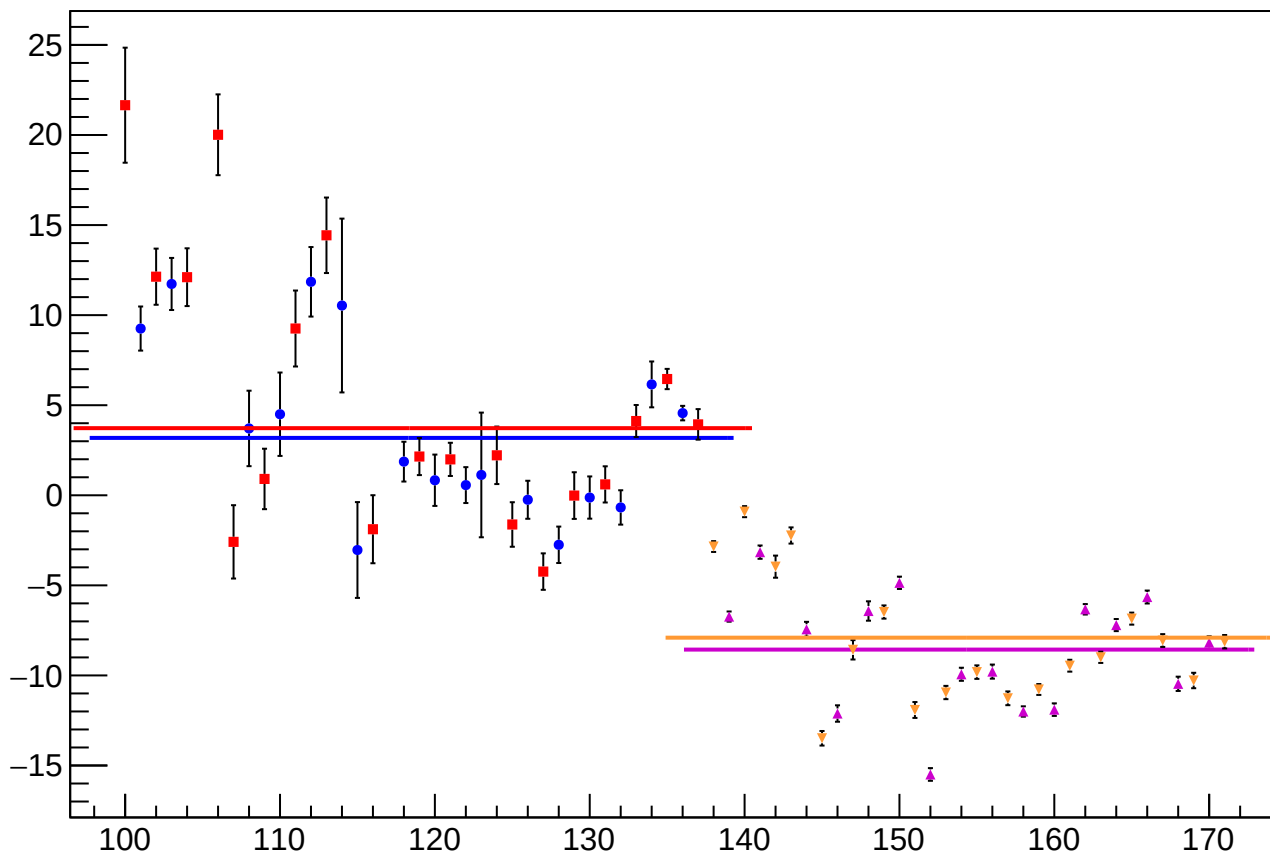
Right: -57.657 ± 0.101 χ^2/NDF : 8154.5/35

In: -54.113 ± 0.062 χ^2/NDF : 6110.0/32

Out: -54.130 ± 0.060 χ^2/NDF : 6660.9/36

All: -54.122 ± 0.043 χ^2/NDF : 12770.9/69

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.904 ± 0.087 $\chi^2/\text{NDF}: 1632.2/17$

Right Out: 3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

Left In: -8.566 ± 0.088 $\chi^2/\text{NDF}: 1268.6/15$

Left: -8.229 ± 0.062 $\chi^2/\text{NDF}: 2929.4/33$

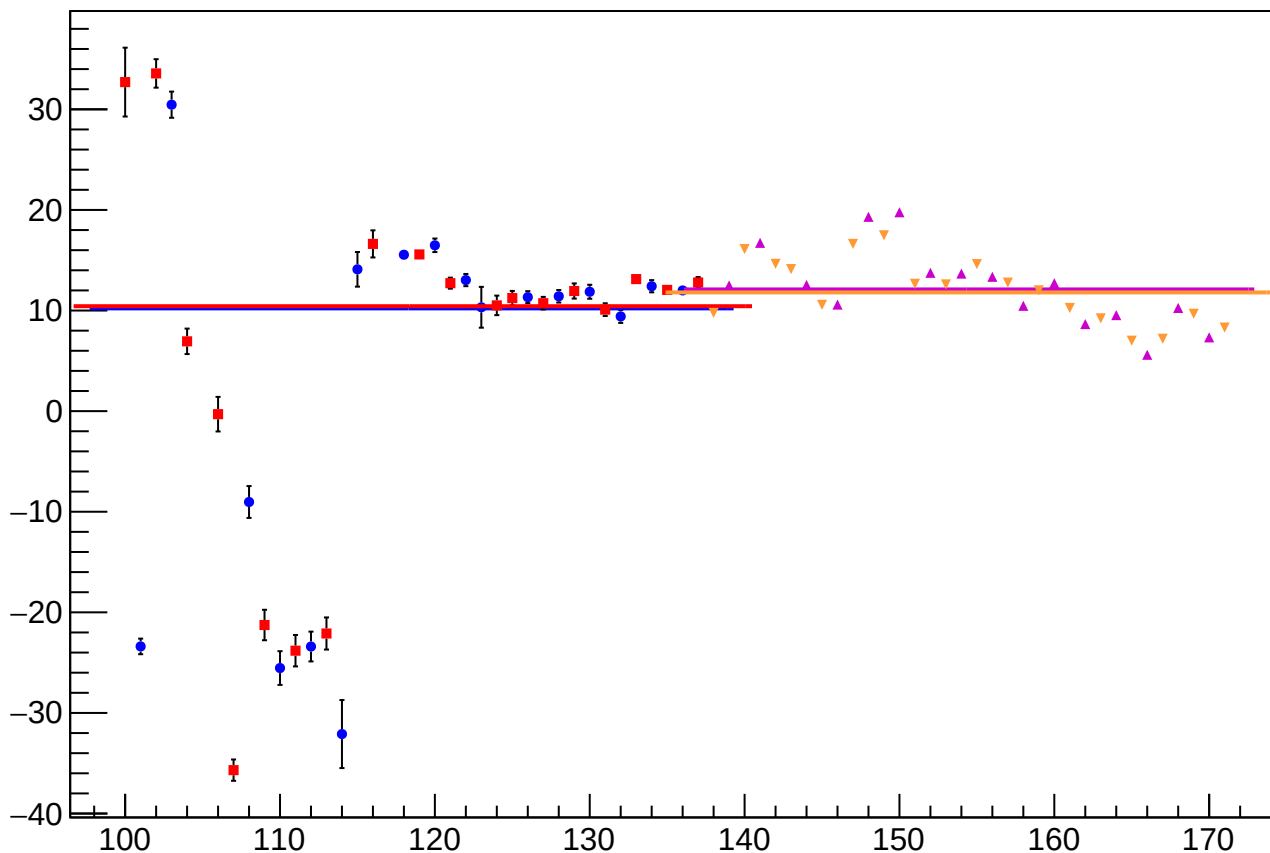
Right: 3.447 ± 0.186 $\chi^2/\text{NDF}: 512.0/35$

In: -7.339 ± 0.084 $\chi^2/\text{NDF}: 3298.0/32$

Out: -6.797 ± 0.083 $\chi^2/\text{NDF}: 3666.1/36$

All: -7.064 ± 0.059 $\chi^2/\text{NDF}: 6985.4/69$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 11.800+/-0.074 χ^2/NDF :1688.2/17

Right Out: 10.430+/-0.160 χ^2/NDF : 3826.9/18

Left In: 12.097+/-0.078 χ^2/NDF :2336.7/15

Left: 11.942+/-0.054 χ^2/NDF : 4032.4/33

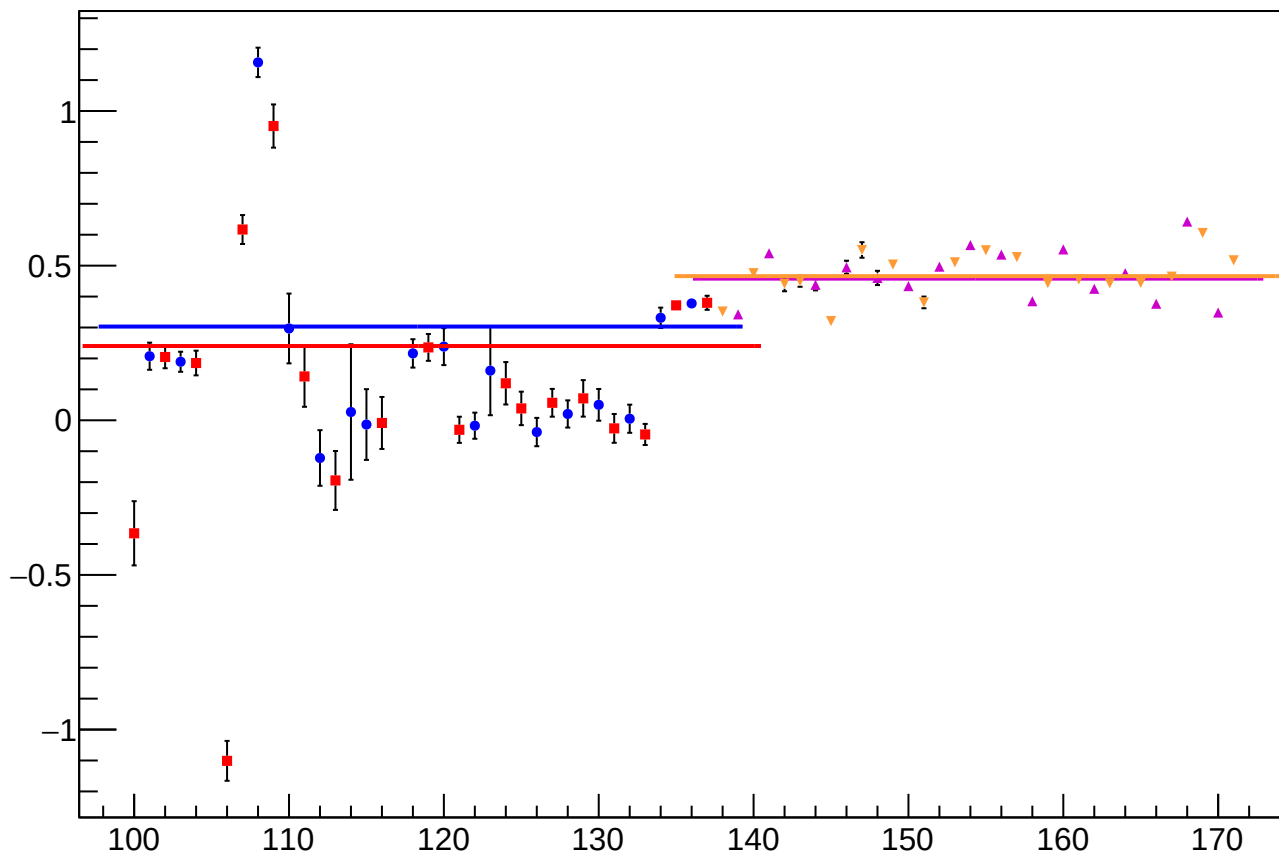
Right: 10.321+/-0.112 χ^2/NDF : 7520.5/35

In: 11.732+/-0.070 χ^2/NDF :6143.5/32

Out: 11.556+/-0.067 χ^2/NDF :5575.3/36

All: 11.641+/-0.048 χ^2/NDF : 11722.1/69

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.466 ± 0.003 χ^2/NDF : 401.6/17

Right Out: 0.240 ± 0.009 χ^2/NDF : 984.4/18

Left In: 0.458 ± 0.003 χ^2/NDF : 655.0/15

Left: 0.462 ± 0.002 χ^2/NDF : 1059.5/33

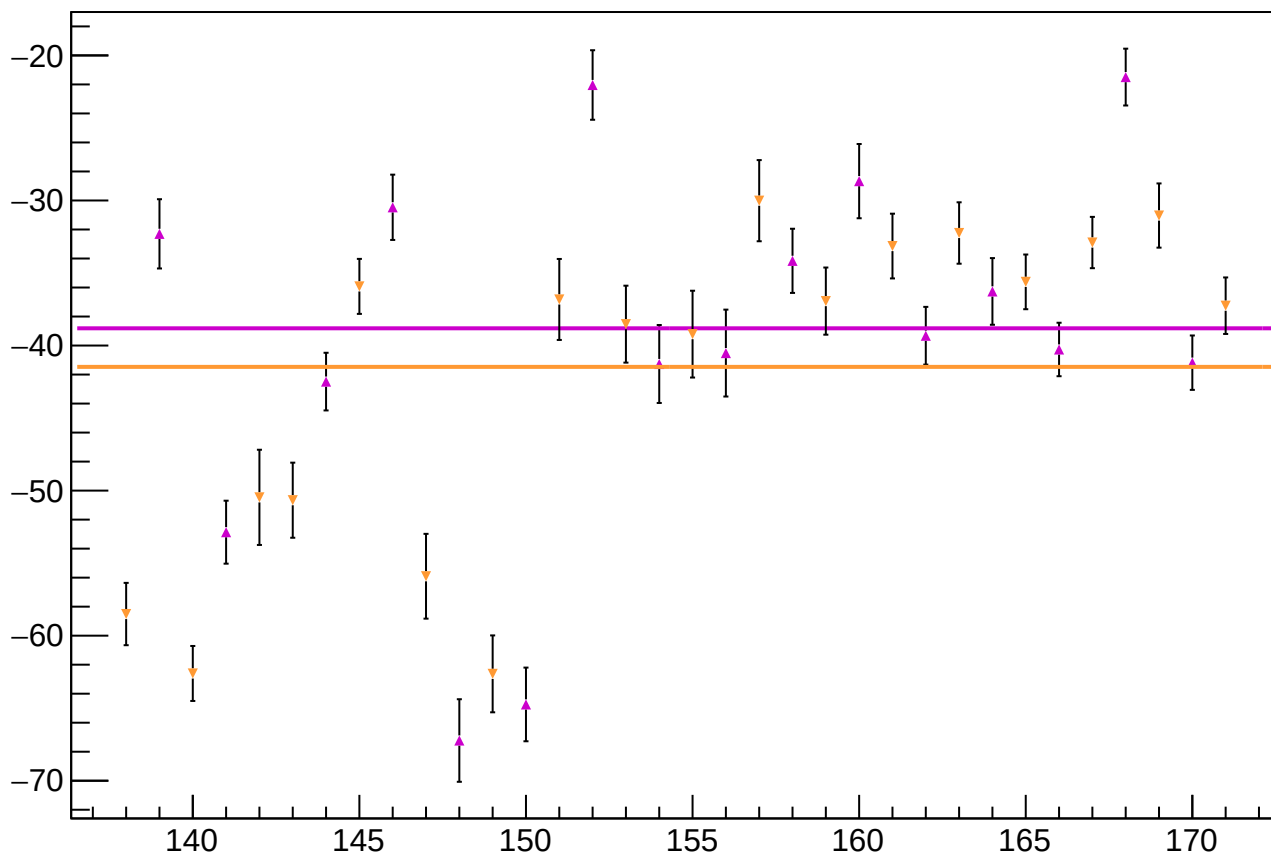
Right: 0.273 ± 0.006 χ^2/NDF : 1658.9/35

In: 0.435 ± 0.003 χ^2/NDF : 1605.0/32

Out: 0.436 ± 0.003 χ^2/NDF : 1994.7/36

All: 0.436 ± 0.002 χ^2/NDF : 3599.7/69

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.470+/-0.537 χ^2/NDF :422.3/17

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

Left In: -38.812+/-0.561 χ^2/NDF :422.5/15

Left: -40.198+/-0.388 χ^2/NDF : 856.5/33

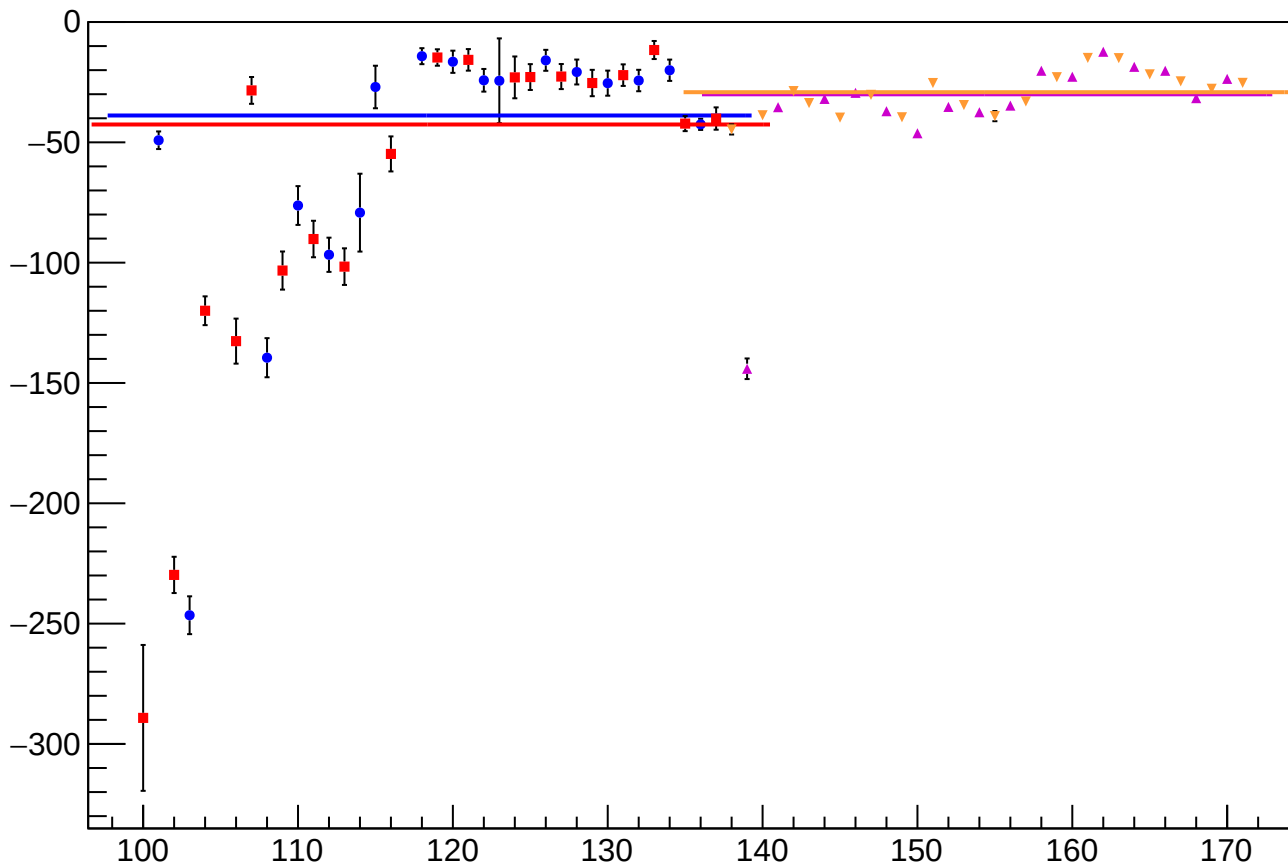
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.812+/-0.561 χ^2/NDF :422.5/15

Out: -41.470+/-0.537 χ^2/NDF :422.3/17

All: -40.198+/-0.388 χ^2/NDF : 856.5/33

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -29.162 ± 0.392 $\chi^2/\text{NDF}: 438.6/17$

Right Out: -42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

Left In: -30.043 ± 0.412 $\chi^2/\text{NDF}: 1145.4/15$

Left: -29.581 ± 0.284 $\chi^2/\text{NDF}: 1586.3/33$

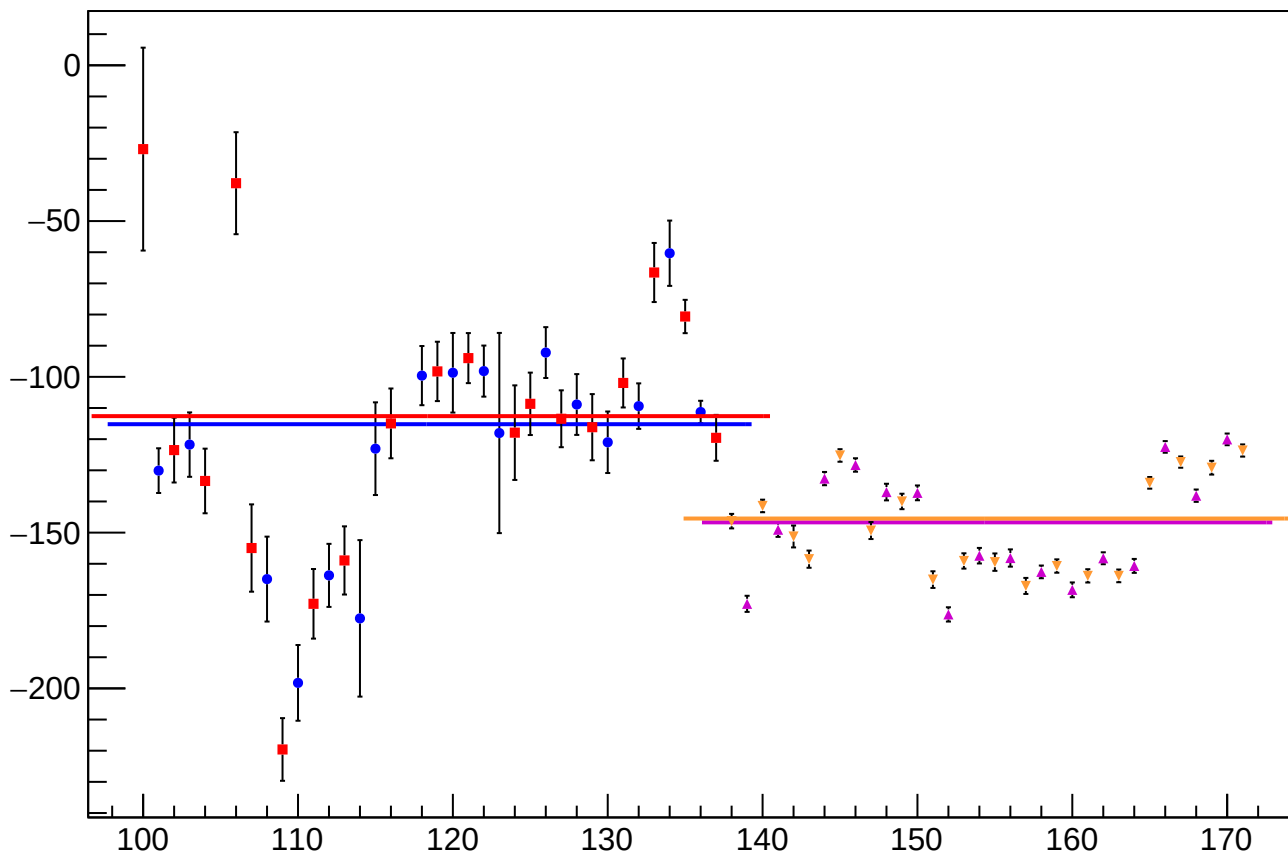
Right: -40.617 ± 0.833 $\chi^2/\text{NDF}: 2472.6/35$

In: -31.048 ± 0.388 $\chi^2/\text{NDF}: 2319.3/32$

Out: -30.437 ± 0.373 $\chi^2/\text{NDF}: 1895.6/36$

All: -30.730 ± 0.269 $\chi^2/\text{NDF}: 4216.2/69$

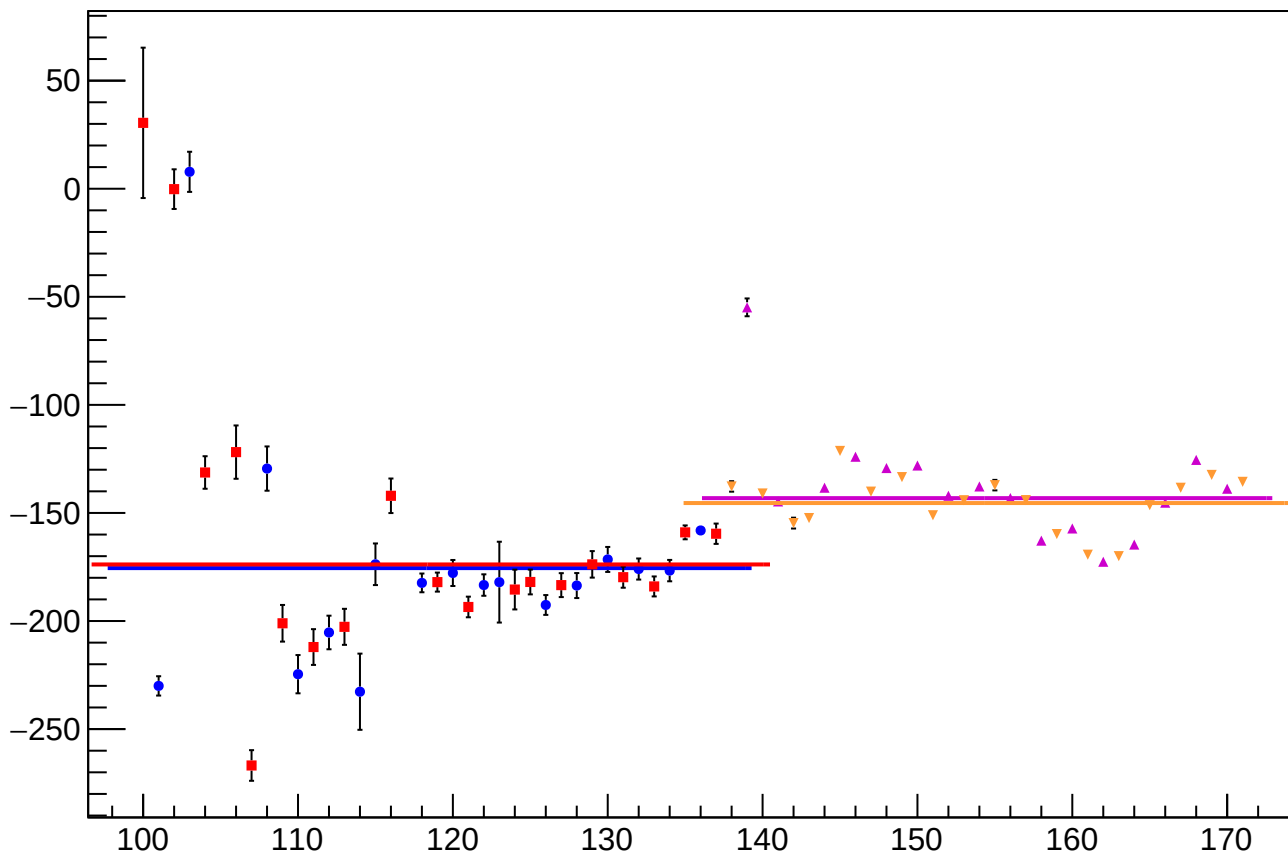
reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199+/-2.081 χ^2 /NDF: 140.8/16
 Left Out: -145.476+/-0.534 χ^2 /NDF:839.1/17
 Right Out: -112.611+/-2.209 χ^2 /NDF: 272.4/18
 Left In: -146.706+/-0.552 χ^2 /NDF:1055.9/15

Left: -146.071+/-0.384 χ^2 /NDF: 1897.6/33
 Right: -113.982+/-1.515 χ^2 /NDF: 413.9/35
 In: -144.636+/-0.534 χ^2 /NDF:1410.8/32
 Out: -143.659+/-0.519 χ^2 /NDF:1320.6/36
 All: -144.134+/-0.372 χ^2 /NDF: 2733.1/69

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521+/-1.277 χ^2/NDF : 692.3/16

Left Out: -145.420+/-0.450 χ^2/NDF : 886.2/17

Right Out: -173.830+/-1.357 χ^2/NDF : 737.9/18

Left In: -143.149+/-0.472 χ^2/NDF : 1434.8/15

Left: -144.340+/-0.326 χ^2/NDF : 2333.2/33

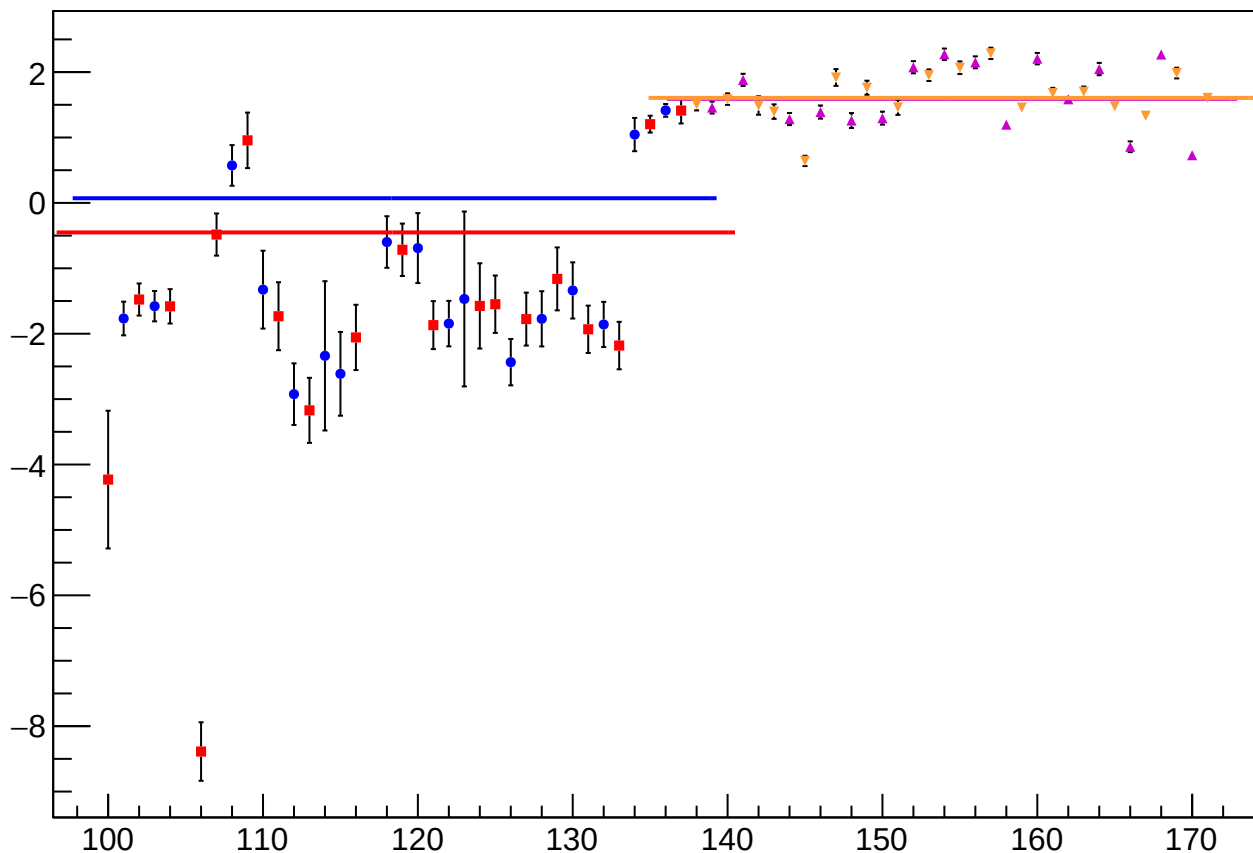
Right: -174.726+/-0.930 χ^2/NDF : 1431.0/35

In: -147.039+/-0.443 χ^2/NDF : 2692.4/32

Out: -148.232+/-0.427 χ^2/NDF : 2019.3/36

All: -147.657+/-0.307 χ^2/NDF : 4715.5/69

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.606 ± 0.021 χ^2/NDF : 307.1/17

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

Left In: 1.592 ± 0.022 χ^2/NDF : 590.2/15

Left: 1.599 ± 0.015 χ^2/NDF : 897.6/33

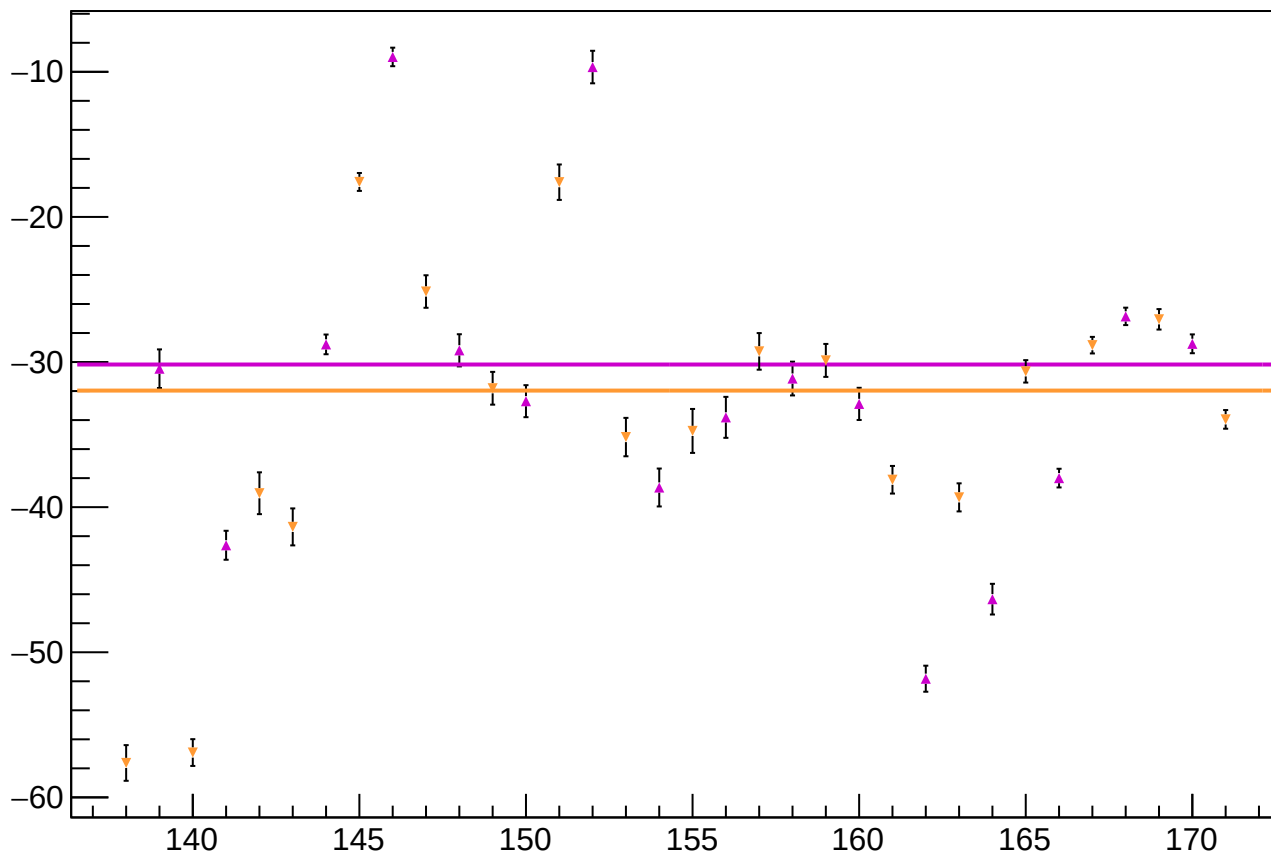
Right: -0.174 ± 0.049 χ^2/NDF : 1305.0/35

In: 1.449 ± 0.021 χ^2/NDF : 1579.9/32

Out: 1.445 ± 0.020 χ^2/NDF : 1824.9/36

All: 1.447 ± 0.014 χ^2/NDF : 3404.8/69

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -31.966 ± 0.215 χ^2/NDF : 2171.0/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -30.170 ± 0.218 χ^2/NDF : 2656.6/15

Left: -31.081 ± 0.153 χ^2/NDF : 4861.9/33

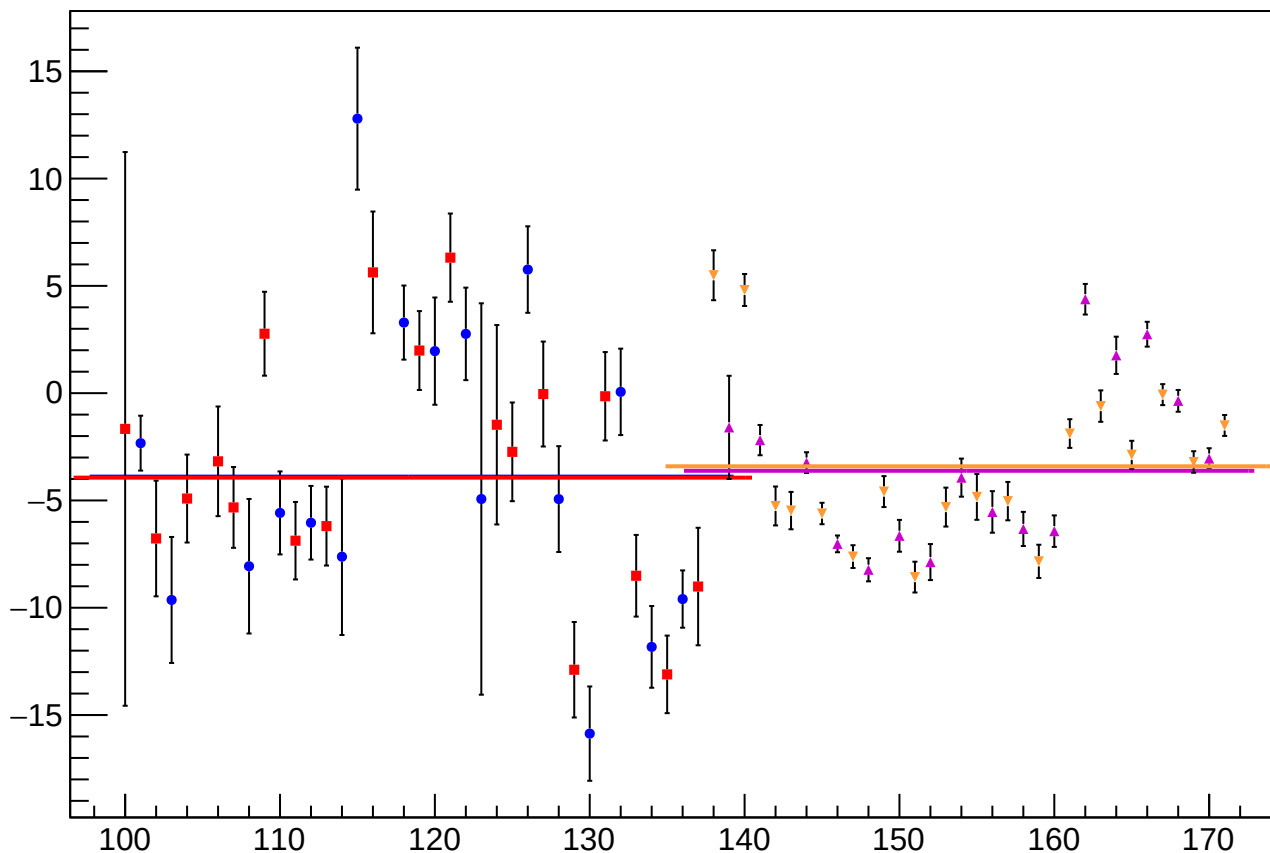
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -30.170 ± 0.218 χ^2/NDF : 2656.6/15

Out: -31.966 ± 0.215 χ^2/NDF : 2171.0/17

All: -31.081 ± 0.153 χ^2/NDF : 4861.9/33

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -3.409 ± 0.157 χ^2/NDF : 451.5/17

Right Out: -3.937 ± 0.507 χ^2/NDF : 122.2/18

Left In: -3.617 ± 0.158 χ^2/NDF : 554.8/15

Left: -3.512 ± 0.112 χ^2/NDF : 1007.1/33

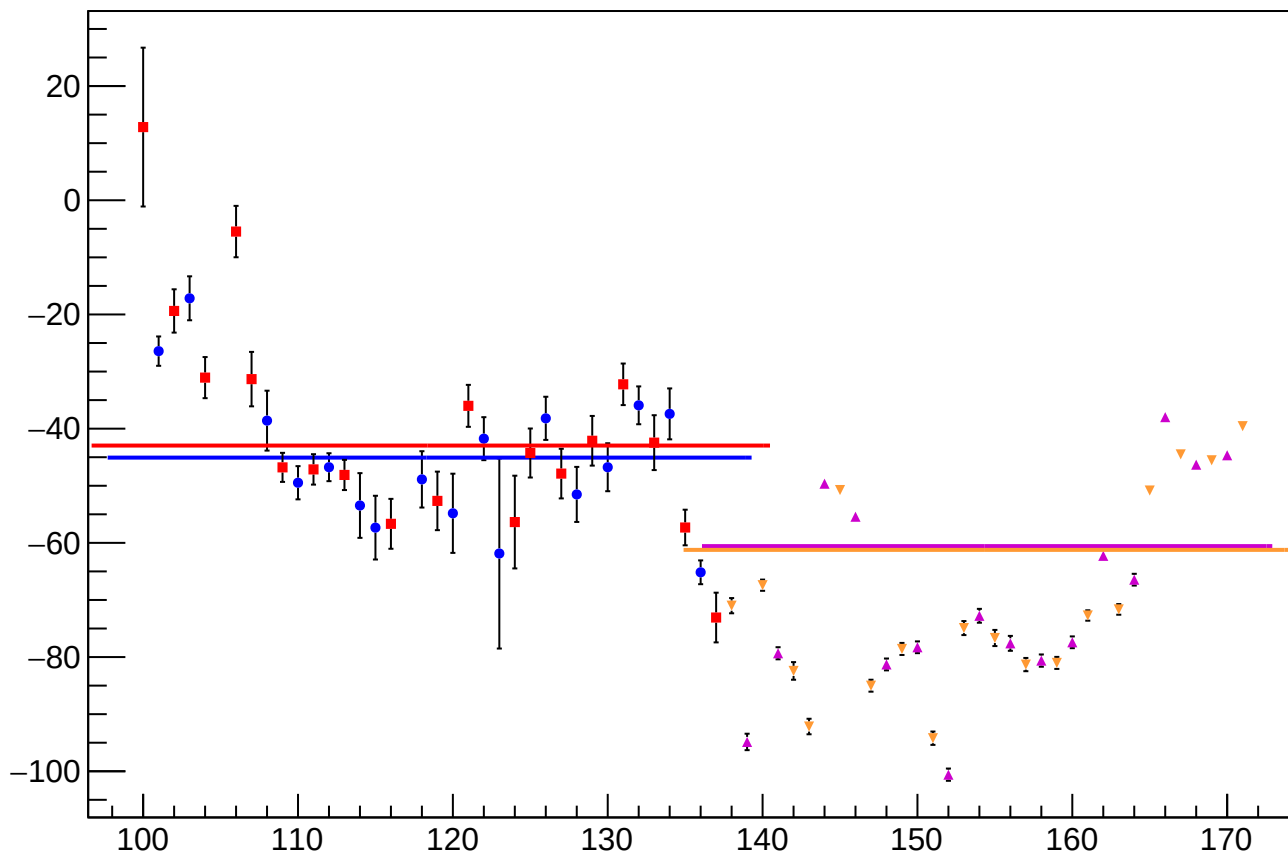
Right: -3.913 ± 0.355 χ^2/NDF : 282.6/35

In: -3.642 ± 0.151 χ^2/NDF : 715.5/32

Out: -3.455 ± 0.150 χ^2/NDF : 574.6/36

All: -3.548 ± 0.106 χ^2/NDF : 1290.9/69

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -61.229 ± 0.215 χ^2/NDF : 6436.2/17

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

Left In: -60.568 ± 0.216 χ^2/NDF : 6522.8/15

Left: -60.900 ± 0.152 χ^2/NDF : 12963.7/33

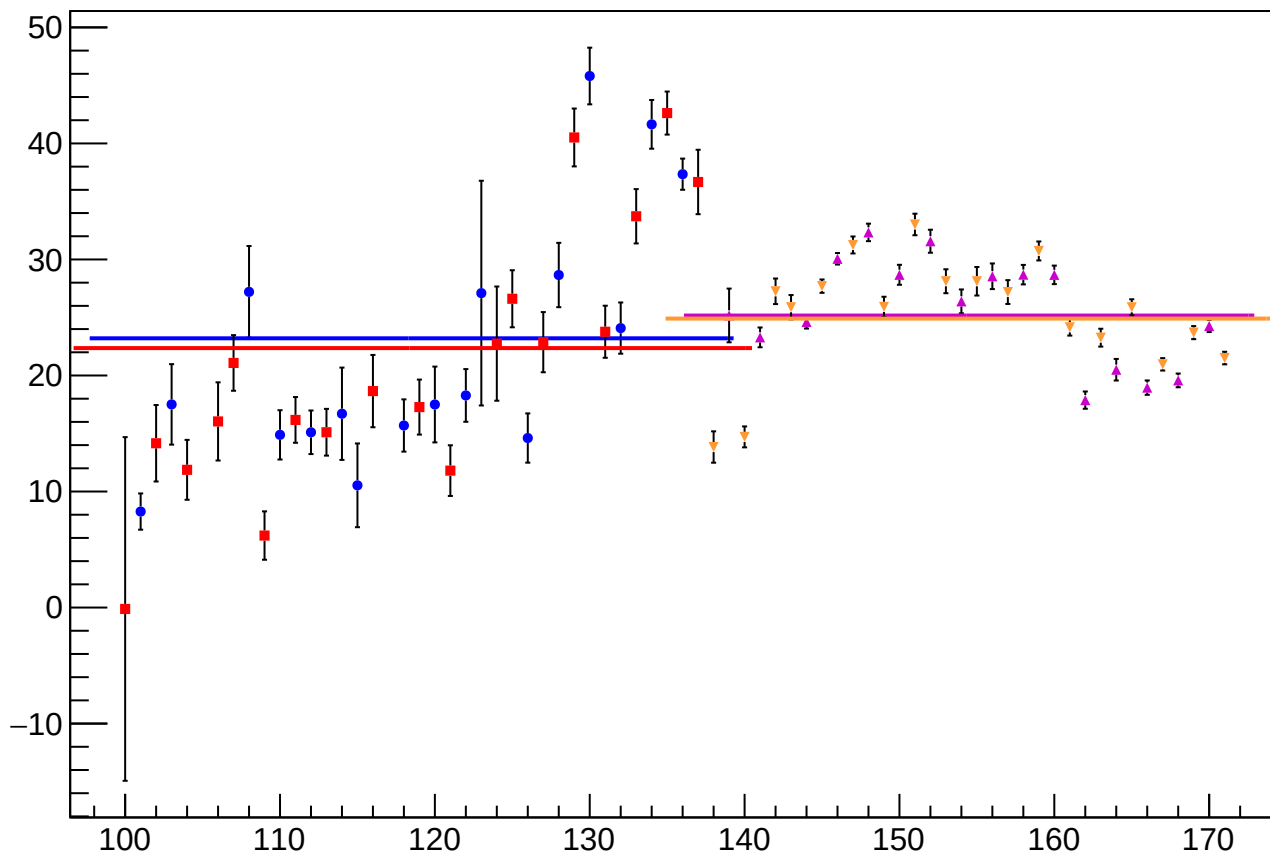
Right: -44.008 ± 0.623 χ^2/NDF : 480.9/35

In: -59.692 ± 0.210 χ^2/NDF : 7042.9/32

Out: -60.194 ± 0.209 χ^2/NDF : 7093.1/36

All: -59.944 ± 0.148 χ^2/NDF : 14138.9/69

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: 24.905 $\pm$ 0.181 χ^2 /NDF:554.8/17

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

Left In: 25.166 $\pm$ 0.184 χ^2 /NDF:613.6/15

Left: 25.033 $\pm$ 0.129 χ^2 /NDF: 1169.4/33

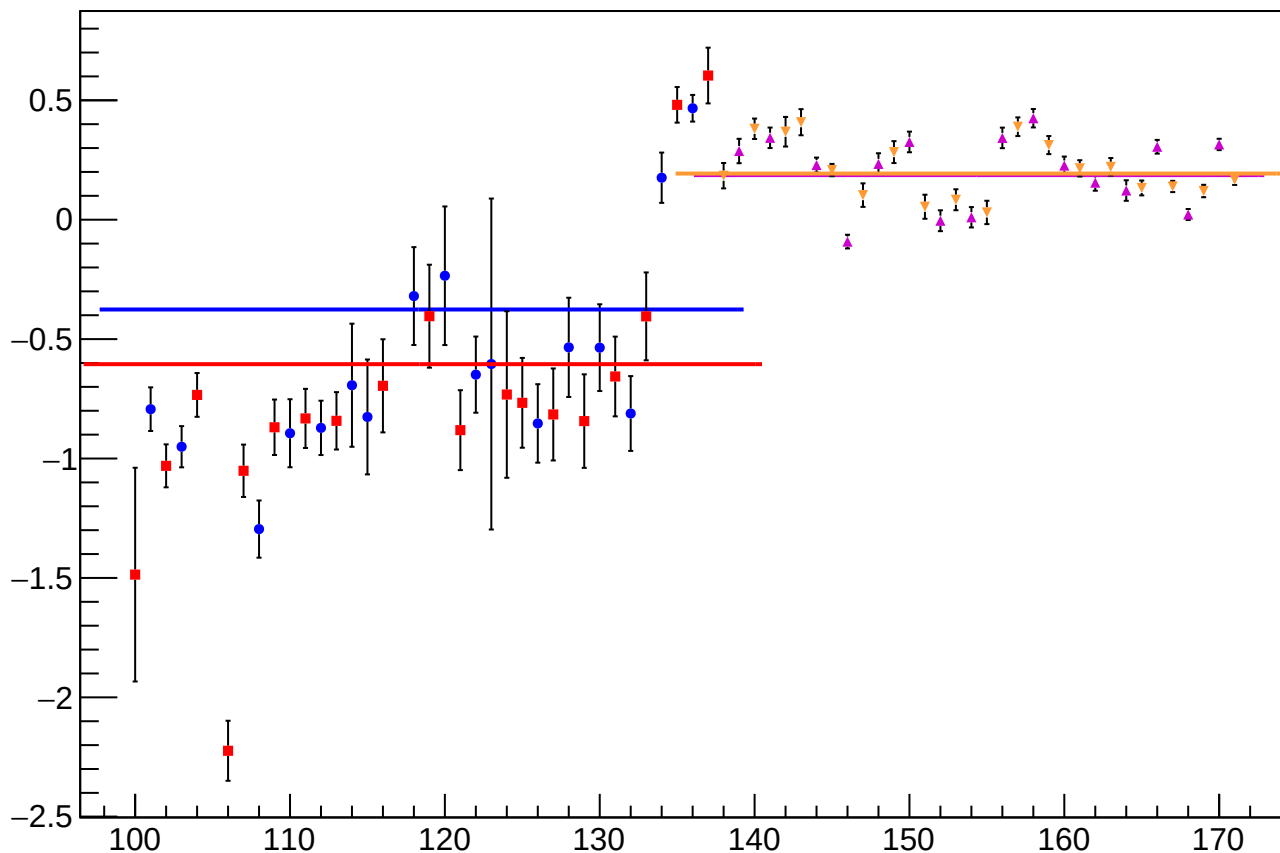
Right: 22.793 $\pm$ 0.400 χ^2 /NDF: 825.2/35

In: 24.974 $\pm$ 0.175 χ^2 /NDF:1082.0/32

Out: 24.675 $\pm$ 0.172 χ^2 /NDF:939.6/36

All: 24.822 $\pm$ 0.123 χ^2 /NDF: 2023.0/69

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 χ^2/NDF : 437.3/16

Left Out: 0.193 ± 0.008 χ^2/NDF : 129.2/17

Right Out: -0.605 ± 0.030 χ^2/NDF : 551.1/18

Left In: 0.187 ± 0.009 χ^2/NDF : 314.0/15

Left: 0.190 ± 0.006 χ^2/NDF : 443.4/33

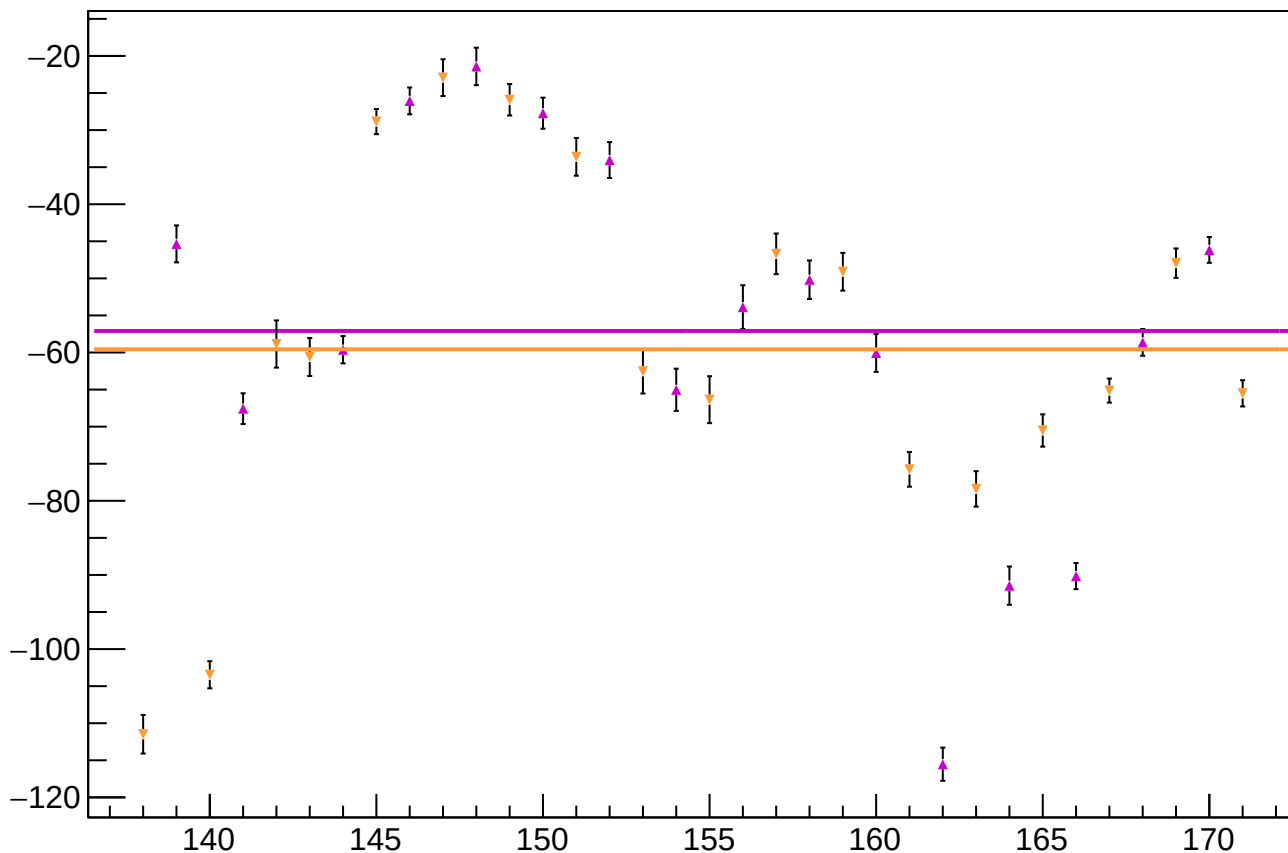
Right: -0.490 ± 0.021 χ^2/NDF : 1017.2/35

In: 0.144 ± 0.008 χ^2/NDF : 1073.7/32

Out: 0.137 ± 0.008 χ^2/NDF : 1328.4/36

All: 0.140 ± 0.006 χ^2/NDF : 2402.5/69

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -59.561 $\pm$ 0.527 χ^2/NDF :2110.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -57.091 $\pm$ 0.543 χ^2/NDF :2097.6/15

Left: -58.362 $\pm$ 0.378 χ^2/NDF : 4218.7/33

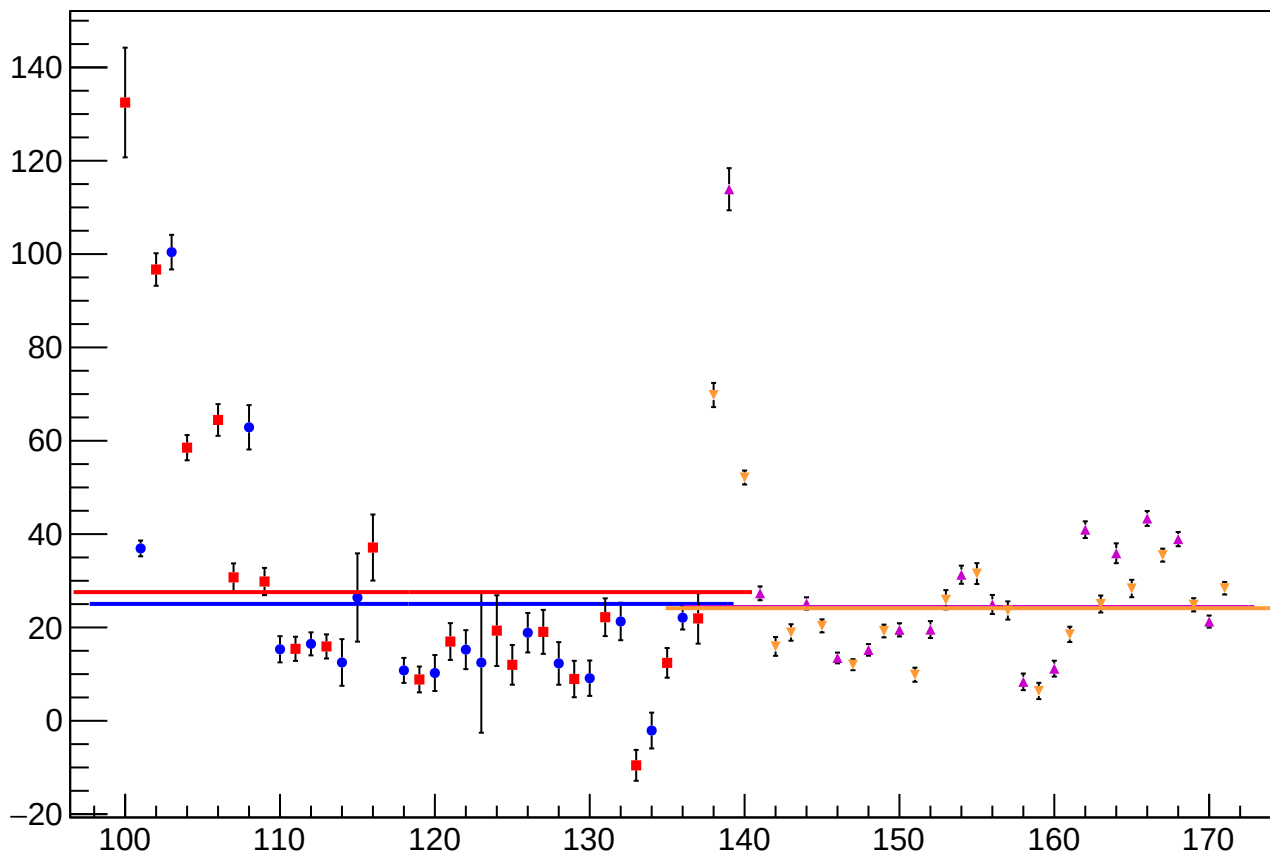
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -57.091 $\pm$ 0.543 χ^2/NDF :2097.6/15

Out: -59.561 $\pm$ 0.527 χ^2/NDF :2110.5/17

All: -58.362 $\pm$ 0.378 χ^2/NDF : 4218.7/33

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 24.129 $\pm$ 0.380 χ^2 /NDF:1106.7/17

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

Left In: 24.377 $\pm$ 0.395 χ^2 /NDF:1067.6/15

Left: 24.248 $\pm$ 0.274 χ^2 /NDF: 2174.5/33

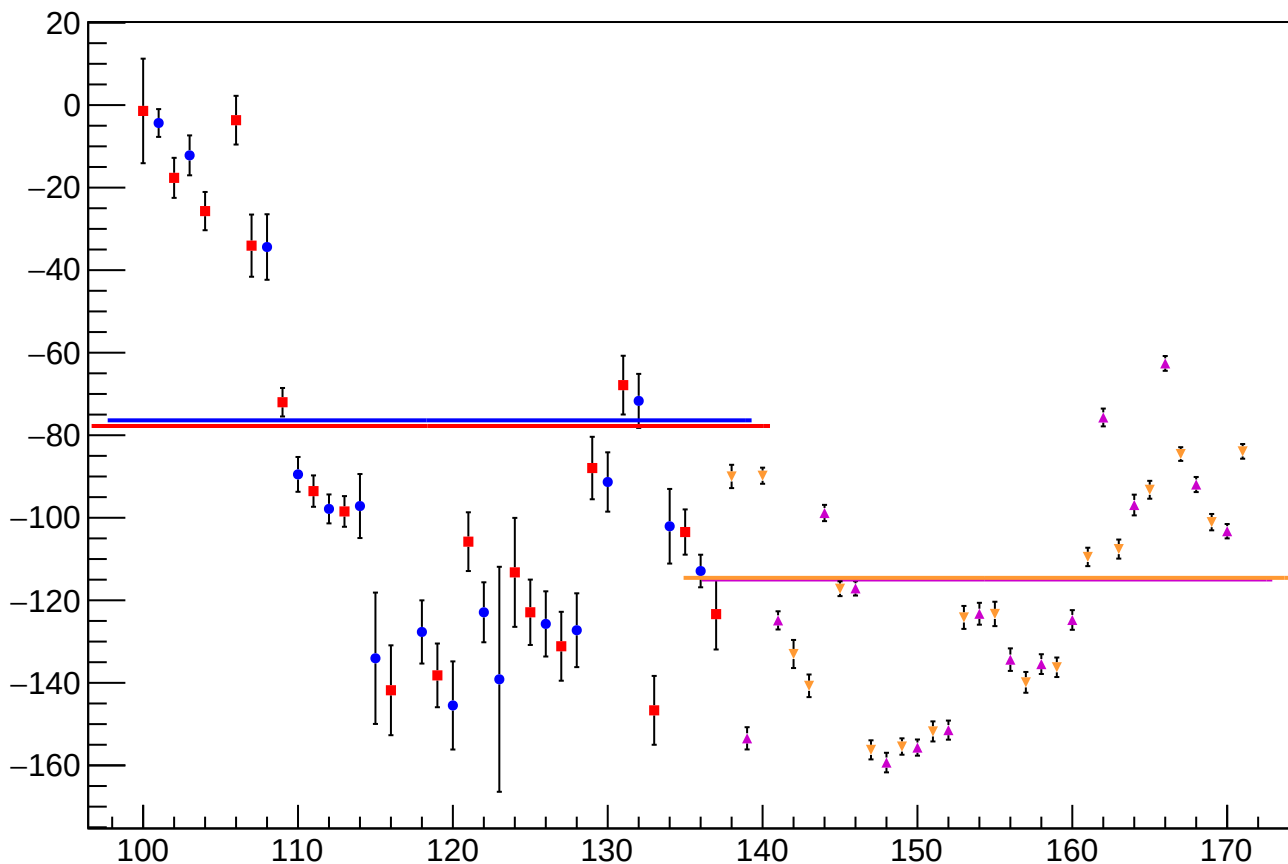
Right: 26.303 $\pm$ 0.571 χ^2 /NDF: 1704.1/35

In: 24.506 $\pm$ 0.355 χ^2 /NDF:1754.6/32

Out: 24.751 $\pm$ 0.344 χ^2 /NDF:2134.3/36

All: 24.632 $\pm$ 0.247 χ^2 /NDF: 3889.1/69

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: -114.561 ± 0.524 $\chi^2/\text{NDF}: 2327.2/17$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

Left In: -114.957 ± 0.535 $\chi^2/\text{NDF}: 2910.7/15$

Left: -114.755 ± 0.374 $\chi^2/\text{NDF}: 5238.2/33$

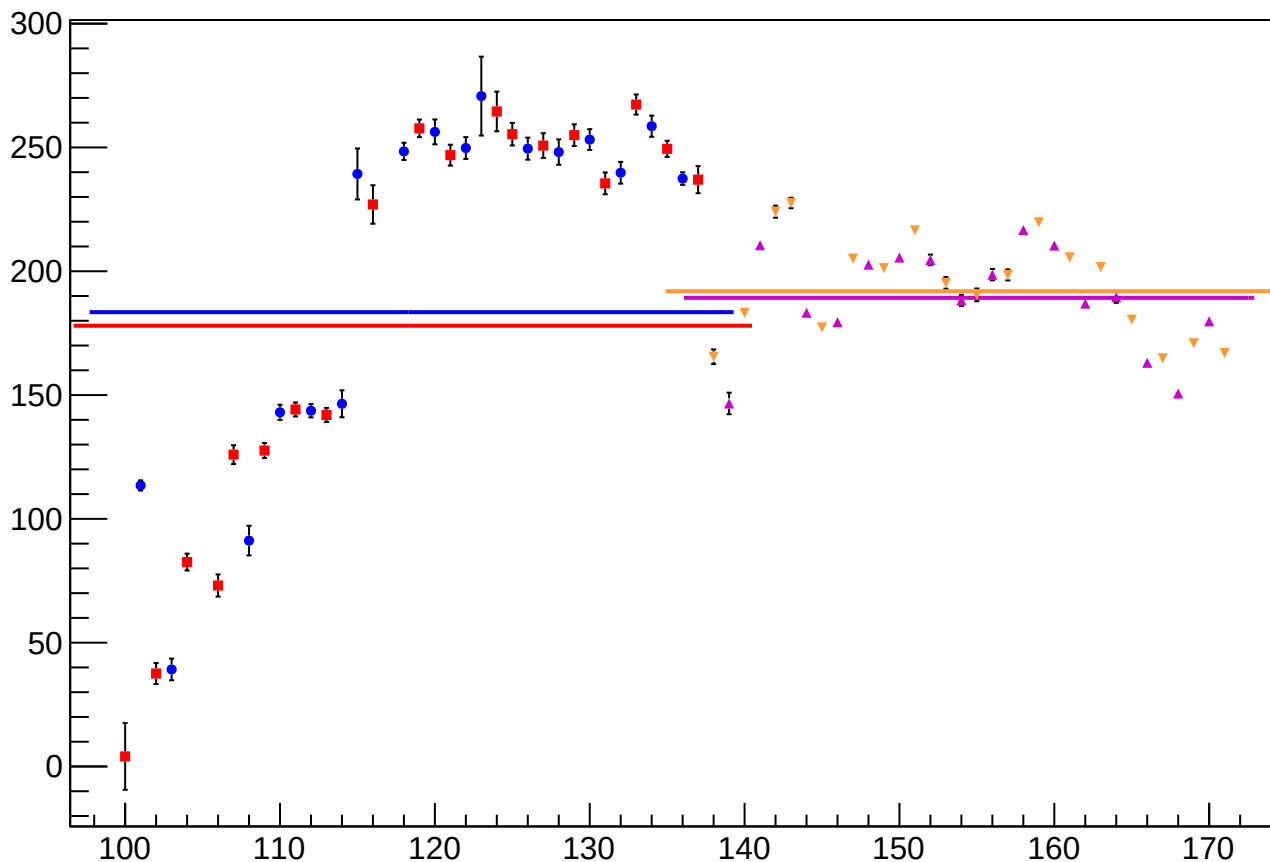
Right: -77.108 ± 0.978 $\chi^2/\text{NDF}: 1905.1/35$

In: -110.142 ± 0.500 $\chi^2/\text{NDF}: 4591.6/32$

Out: -109.760 ± 0.489 $\chi^2/\text{NDF}: 3843.3/36$

All: -109.946 ± 0.350 $\chi^2/\text{NDF}: 8435.2/69$

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: 191.938 $\pm$ 0.440 χ^2 /NDF:2030.0/17

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

Left In: 189.254 $\pm$ 0.457 χ^2 /NDF:1624.6/15

Left: 190.646 $\pm$ 0.317 χ^2 /NDF: 3672.5/33

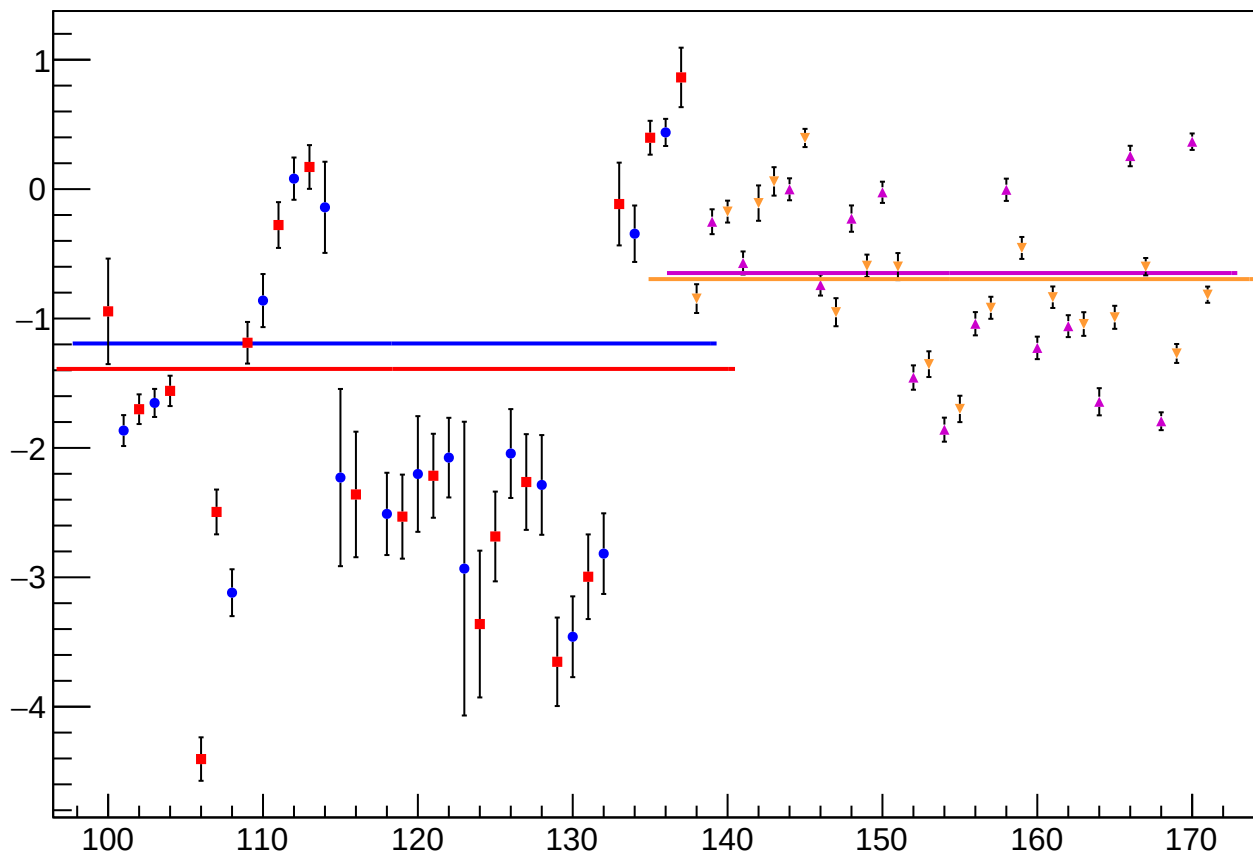
Right: 180.761 $\pm$ 0.651 χ^2 /NDF: 11694.8/35

In: 188.110 $\pm$ 0.409 χ^2 /NDF:6987.7/32

Out: 189.365 $\pm$ 0.397 χ^2 /NDF:8560.9/36

All: 188.756 $\pm$ 0.285 χ^2 /NDF: 15553.5/69

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.695 ± 0.020 χ^2/NDF : 604.9/17

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.649 ± 0.021 χ^2/NDF : 1290.5/15

Left: -0.673 ± 0.015 χ^2/NDF : 1897.9/33

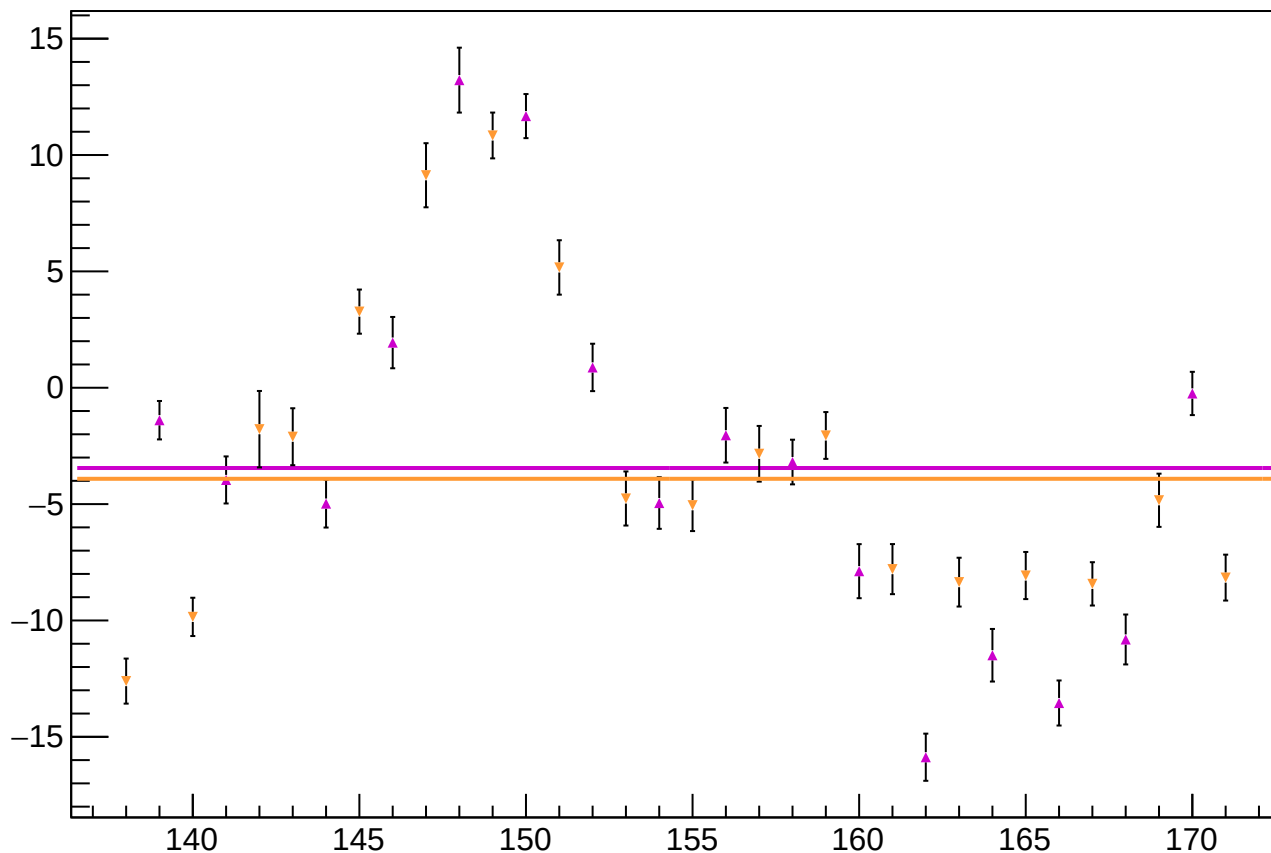
Right: -1.296 ± 0.033 χ^2/NDF : 1551.0/35

In: -0.736 ± 0.019 χ^2/NDF : 2019.2/32

Out: -0.810 ± 0.019 χ^2/NDF : 1716.9/36

All: -0.775 ± 0.013 χ^2/NDF : 3743.7/69

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.912+/-0.251 χ^2/NDF : 664.9/17

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

Left In: -3.449+/-0.258 χ^2/NDF : 835.1/15

Left: -3.687+/-0.180 χ^2/NDF : 1501.6/33

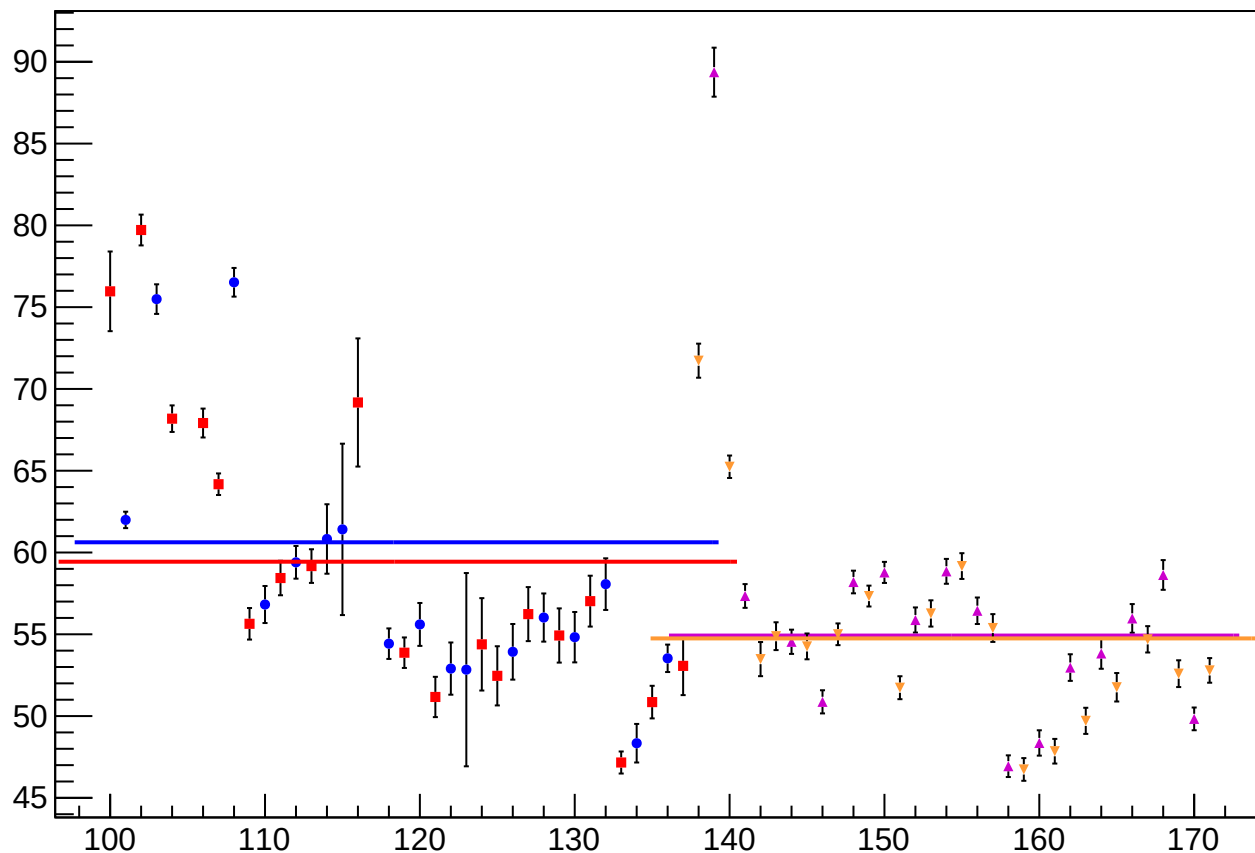
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -3.449+/-0.258 χ^2/NDF : 835.1/15

Out: -3.912+/-0.251 χ^2/NDF : 664.9/17

All: -3.687+/-0.180 χ^2/NDF : 1501.6/33

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: 54.747 $\pm$ 0.183 χ^2 /NDF:854.8/17

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

Left In: 54.922 $\pm$ 0.193 χ^2 /NDF:958.4/15

Left: 54.830 $\pm$ 0.133 χ^2 /NDF: 1813.7/33

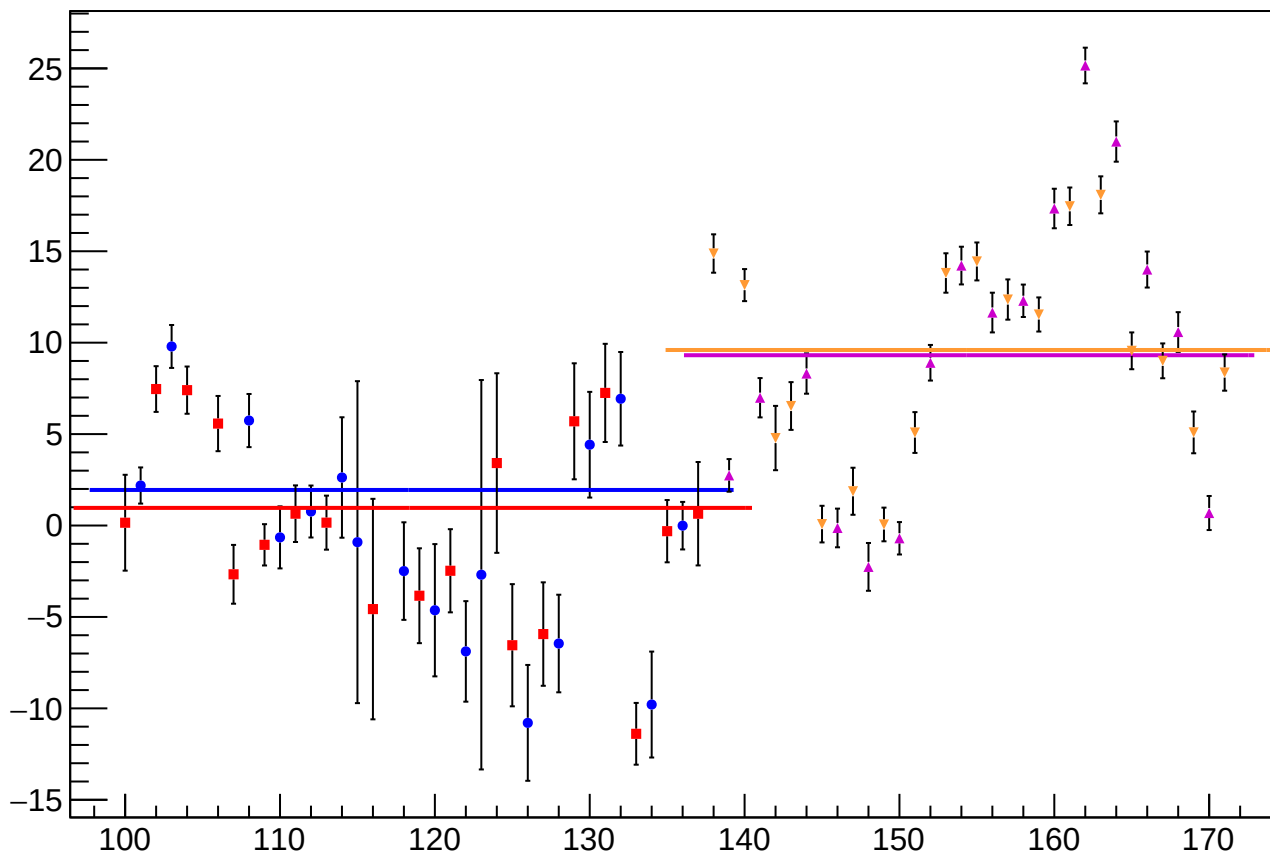
Right: 59.996 $\pm$ 0.180 χ^2 /NDF: 2258.7/35

In: 56.921 $\pm$ 0.156 χ^2 /NDF:2188.3/32

Out: 56.405 $\pm$ 0.147 χ^2 /NDF:2409.8/36

All: 56.649 $\pm$ 0.107 χ^2 /NDF: 4603.9/69

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 9.600 ± 0.248 χ^2/NDF : 499.1/17

Right Out: 0.964 ± 0.424 χ^2/NDF : 149.5/18

Left In: 9.313 ± 0.253 χ^2/NDF : 925.5/15

Left: 9.460 ± 0.177 χ^2/NDF : 1425.3/33

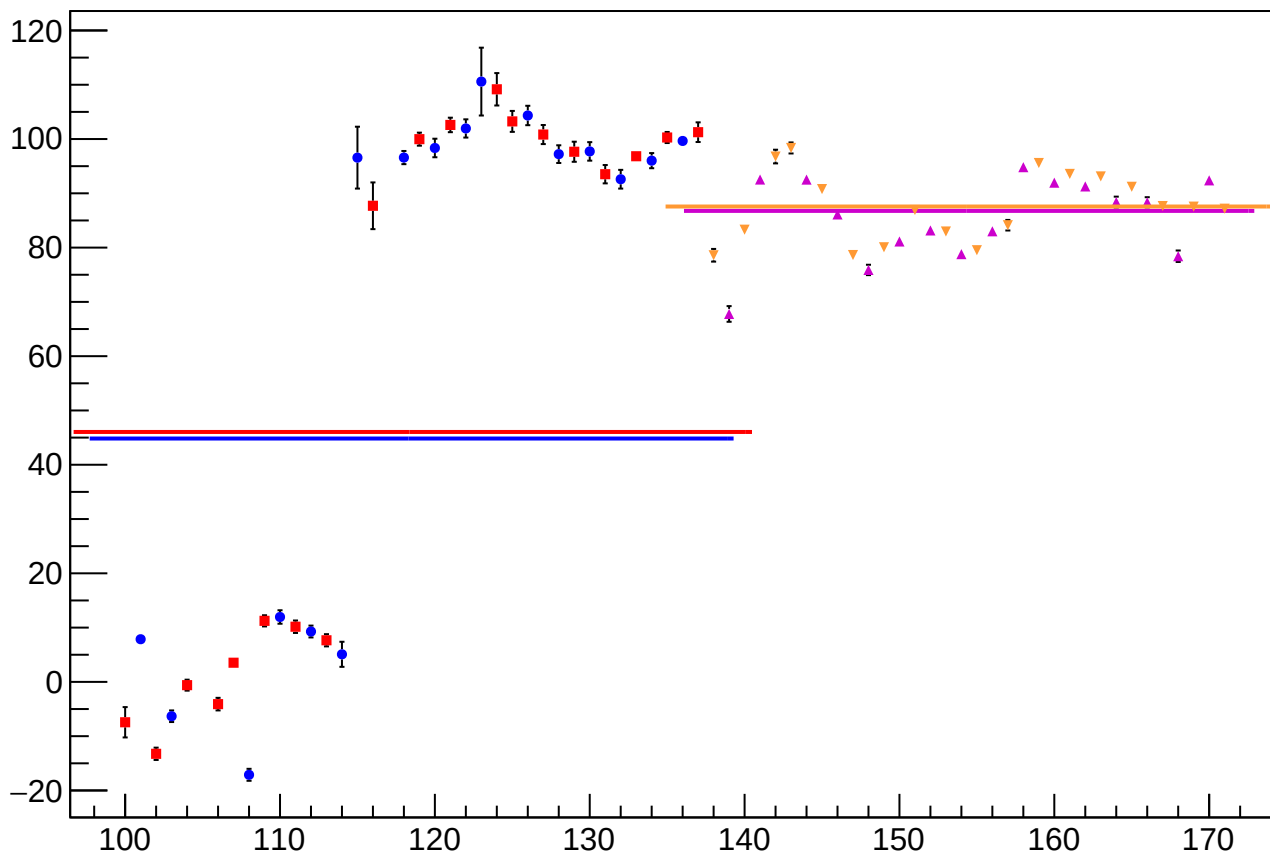
Right: 1.416 ± 0.312 χ^2/NDF : 272.6/35

In: 7.591 ± 0.222 χ^2/NDF : 1243.8/32

Out: 7.402 ± 0.214 χ^2/NDF : 957.4/36

All: 7.493 ± 0.154 χ^2/NDF : 2201.5/69

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: 87.570 $\pm$ 0.210 χ^2 /NDF:811.6/17

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

Left In: 86.762 $\pm$ 0.220 χ^2 /NDF:885.9/15

Left: 87.184 $\pm$ 0.152 χ^2 /NDF: 1704.5/33

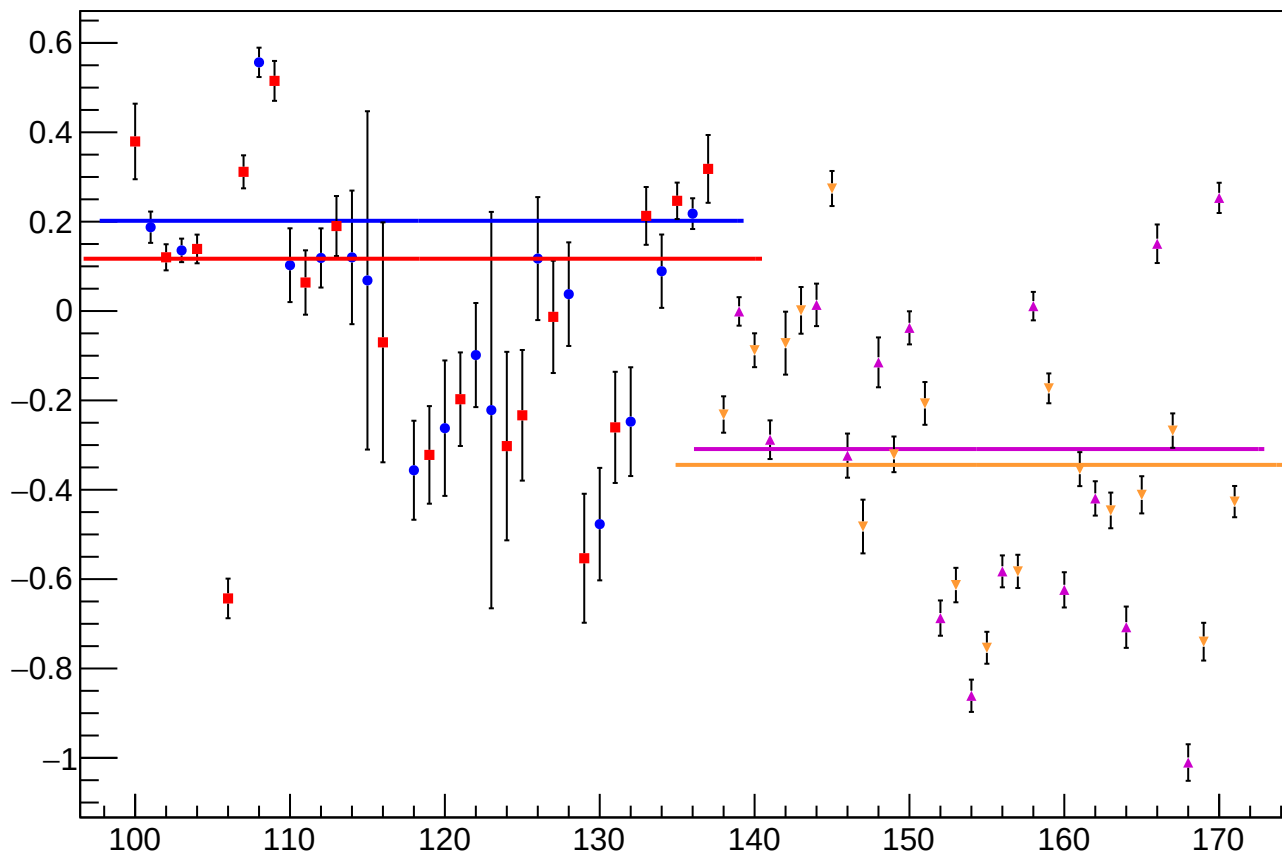
Right: 45.465 $\pm$ 0.210 χ^2 /NDF: 53034.8/35

In: 72.394 $\pm$ 0.178 χ^2 /NDF:38102.4/32

Out: 73.233 $\pm$ 0.170 χ^2 /NDF:42552.3/36

All: 72.833 $\pm$ 0.123 χ^2 /NDF: 80666.3/69

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.344 ± 0.010 χ^2/NDF : 728.2/17

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

Left In: -0.309 ± 0.010 χ^2/NDF : 1520.9/15

Left: -0.327 ± 0.007 χ^2/NDF : 2255.7/33

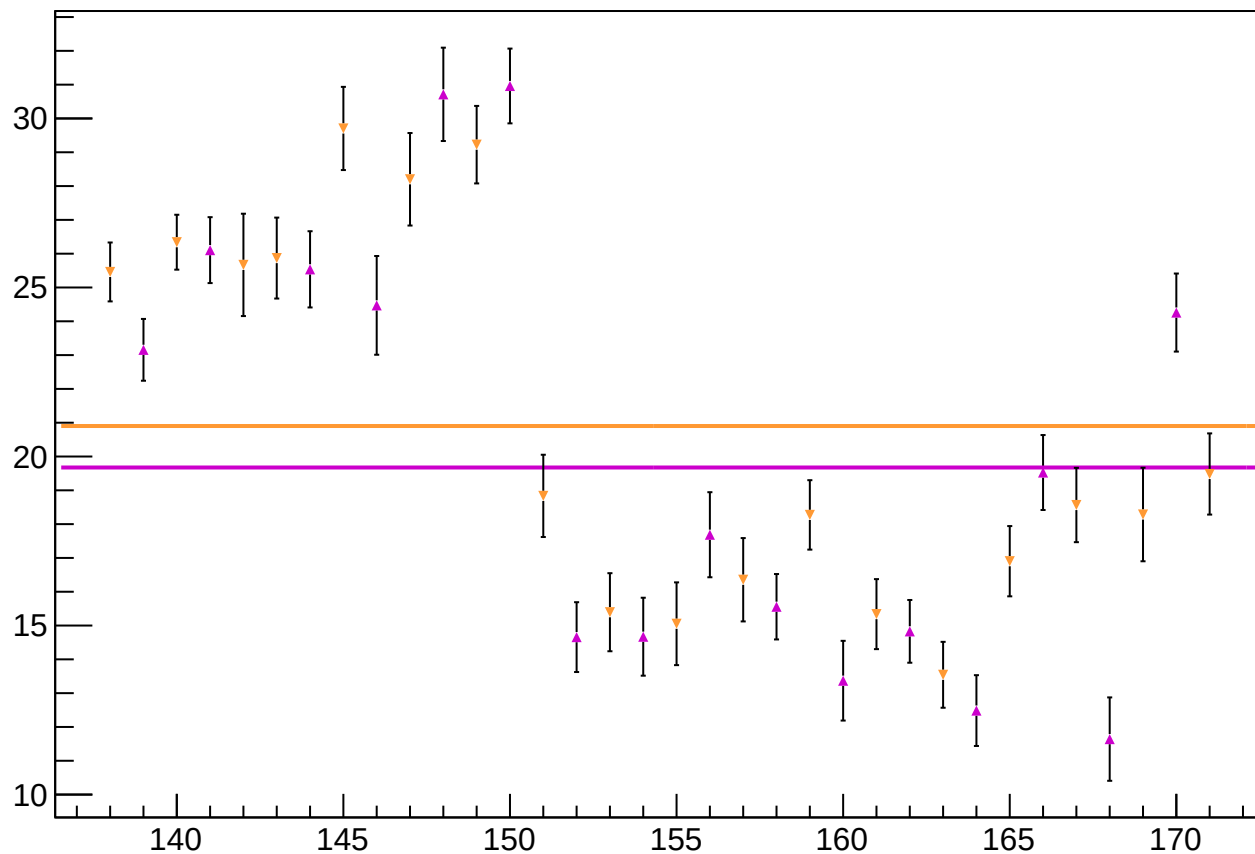
Right: 0.156 ± 0.010 χ^2/NDF : 735.2/35

In: -0.142 ± 0.008 χ^2/NDF : 2625.5/32

Out: -0.182 ± 0.008 χ^2/NDF : 2041.1/36

All: -0.163 ± 0.006 χ^2/NDF : 4680.0/69

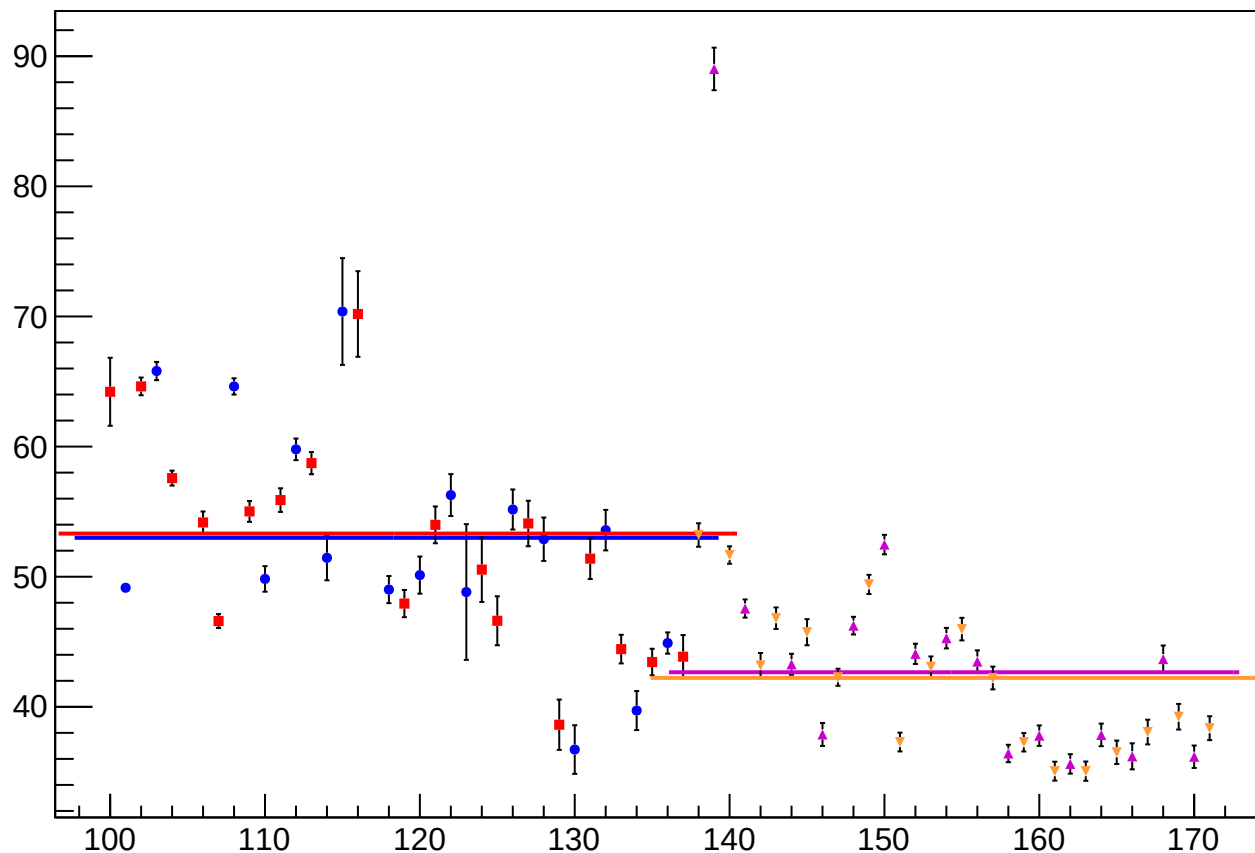
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 20.902 $\pm$ 0.262 χ^2 /NDF:410.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.675 $\pm$ 0.275 χ^2 /NDF:488.2/15

Left: 20.318 $\pm$ 0.190 χ^2 /NDF: 909.1/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.675 $\pm$ 0.275 χ^2 /NDF:488.2/15
 Out: 20.902 $\pm$ 0.262 χ^2 /NDF:410.5/17
 All: 20.318 $\pm$ 0.190 χ^2 /NDF: 909.1/33

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: 42.227 $\pm$ 0.190 χ^2 /NDF:877.5/17

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

Left In: 42.658 $\pm$ 0.204 χ^2 /NDF:1443.5/15

Left: 42.428 $\pm$ 0.139 χ^2 /NDF: 2323.4/33

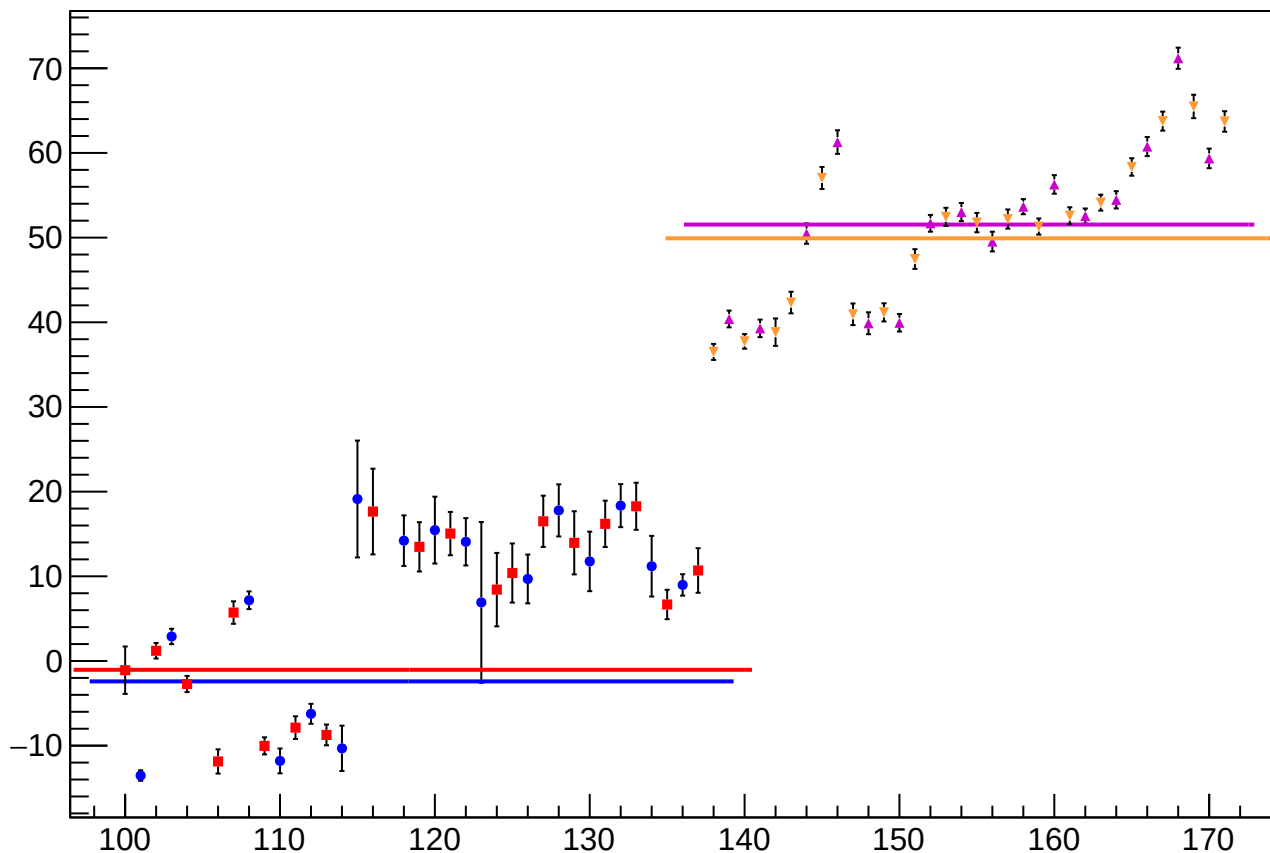
Right: 53.140 $\pm$ 0.154 χ^2 /NDF: 2074.7/35

In: 47.649 $\pm$ 0.147 χ^2 /NDF:3882.0/32

Out: 46.814 $\pm$ 0.146 χ^2 /NDF:3155.2/36

All: 47.230 $\pm$ 0.103 χ^2 /NDF: 7053.5/69

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 49.915 ± 0.259 χ^2/NDF : 1148.6/17

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

Left In: 51.542 ± 0.269 χ^2/NDF : 921.3/15

Left: 50.698 ± 0.187 χ^2/NDF : 2088.9/33

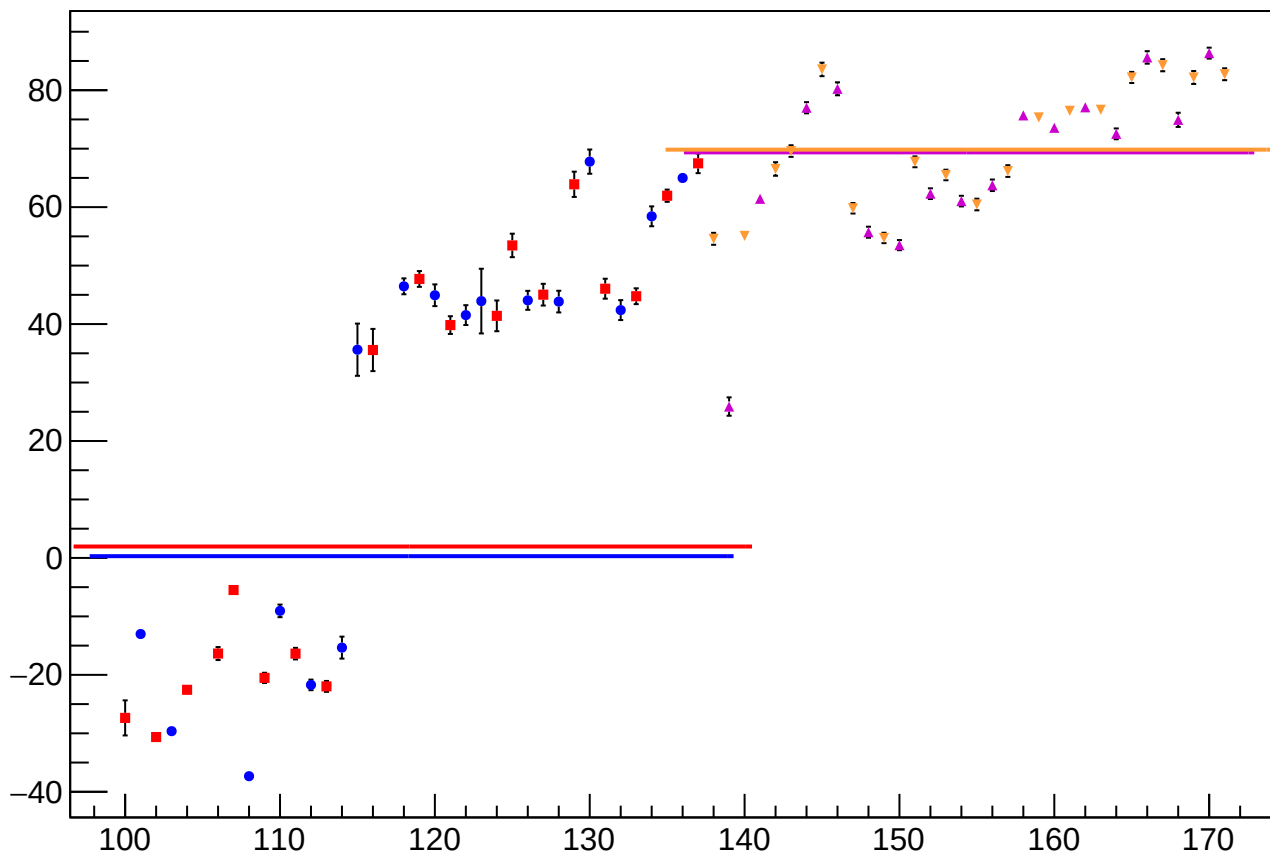
Right: -1.748 ± 0.262 χ^2/NDF : 1349.0/35

In: 32.478 ± 0.217 χ^2/NDF : 15936.8/32

Out: 33.547 ± 0.214 χ^2/NDF : 14051.9/36

All: 33.020 ± 0.152 χ^2/NDF : 30001.1/69

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 69.832 ± 0.219 $\chi^2/\text{NDF}: 2099.5/17$

Right Out: 1.952 ± 0.267 $\chi^2/\text{NDF}: 15450.6/18$

Left In: 69.368 ± 0.232 $\chi^2/\text{NDF}: 2530.5/15$

Left: 69.613 ± 0.159 $\chi^2/\text{NDF}: 4632.1/33$

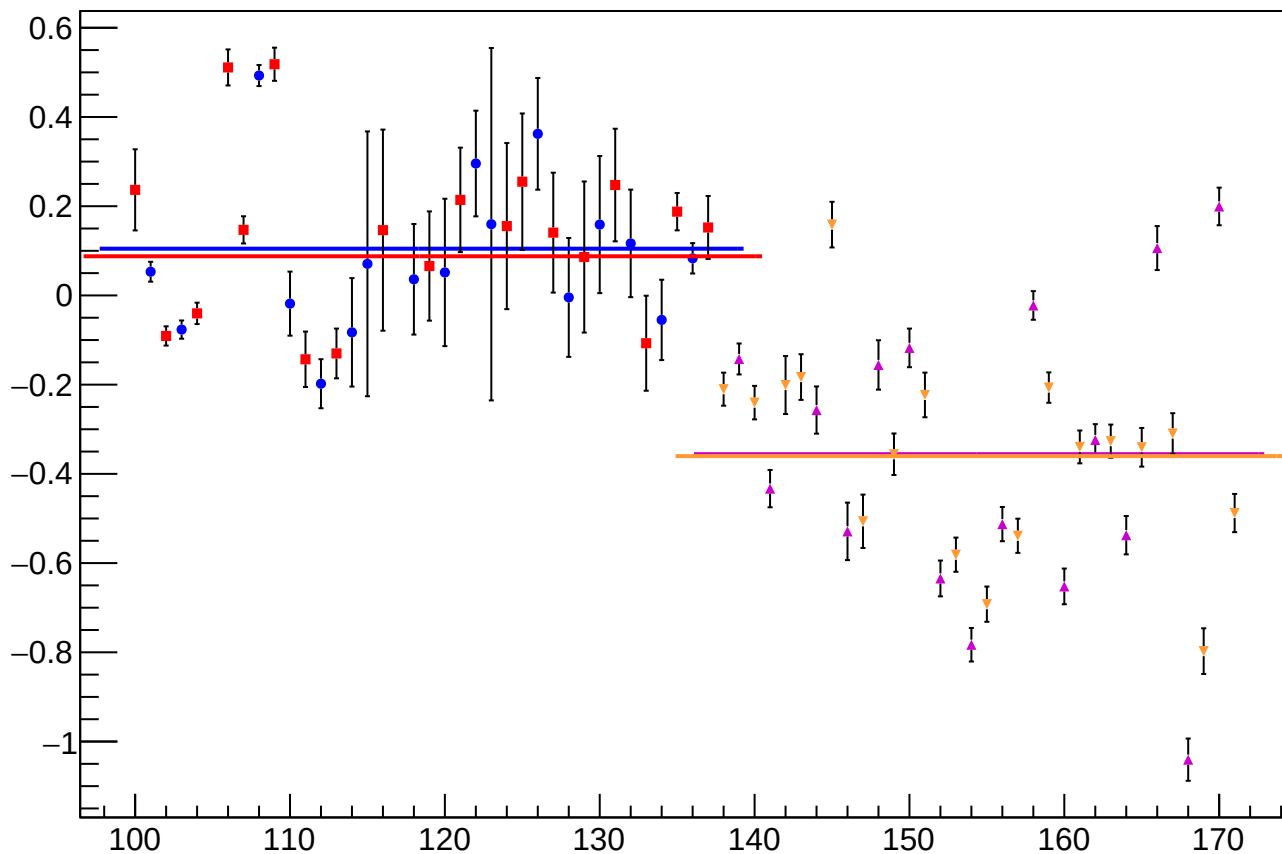
Right: 1.065 ± 0.181 $\chi^2/\text{NDF}: 33730.4/35$

In: 37.017 ± 0.169 $\chi^2/\text{NDF}: 62216.0/32$

Out: 42.470 ± 0.169 $\chi^2/\text{NDF}: 56238.1/36$

All: 39.744 ± 0.120 $\chi^2/\text{NDF}: 118972.9/69$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.360 ± 0.010 $\chi^2/\text{NDF}: 391.3/17$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

Left In: -0.356 ± 0.010 $\chi^2/\text{NDF}: 941.1/15$

Left: -0.358 ± 0.007 $\chi^2/\text{NDF}: 1332.4/33$

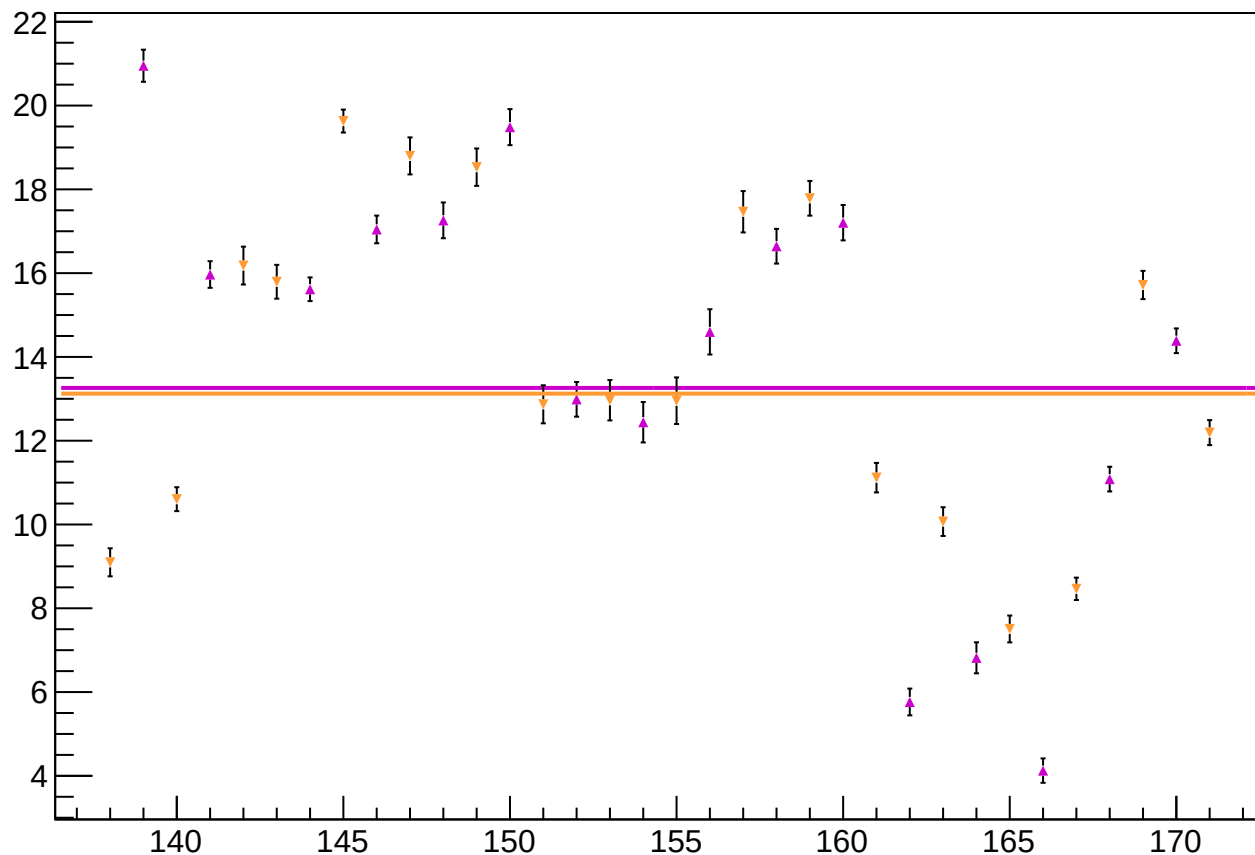
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.139 ± 0.008 $\chi^2/\text{NDF}: 2263.1/32$

Out: -0.156 ± 0.007 $\chi^2/\text{NDF}: 1682.7/36$

All: -0.148 ± 0.005 $\chi^2/\text{NDF}: 3948.4/69$

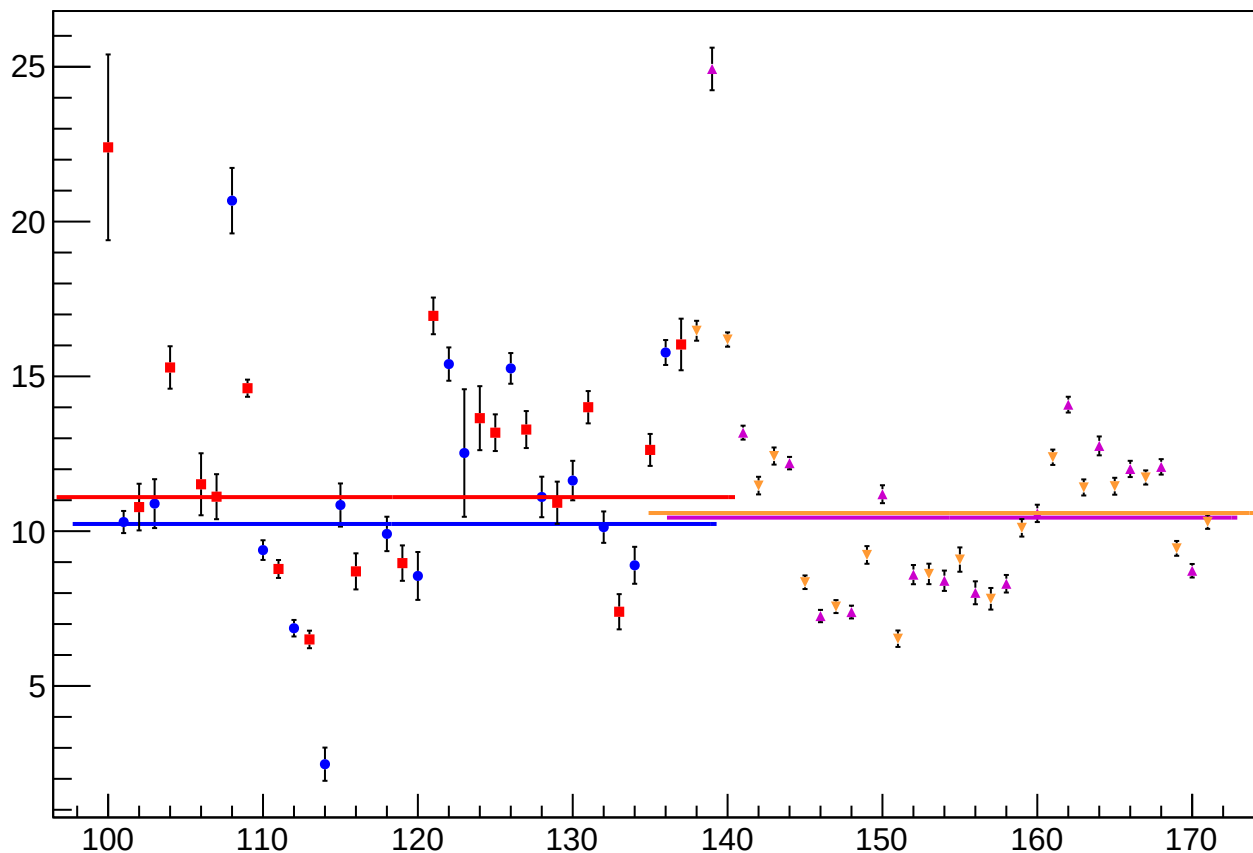
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 13.124 $\pm$ 0.085 χ^2 /NDF:2184.2/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 13.260 $\pm$ 0.089 χ^2 /NDF:3042.2/15

Left: 13.189 $\pm$ 0.061 χ^2 /NDF: 5227.6/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 13.260 $\pm$ 0.089 χ^2 /NDF:3042.2/15
 Out: 13.124 $\pm$ 0.085 χ^2 /NDF:2184.2/17
 All: 13.189 $\pm$ 0.061 χ^2 /NDF: 5227.6/33

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: 10.586 $\pm$ 0.062 χ^2 /NDF:1781.8/17

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

Left In: 10.437 $\pm$ 0.065 χ^2 /NDF:1723.9/15

Left: 10.515 $\pm$ 0.045 χ^2 /NDF: 3508.4/33

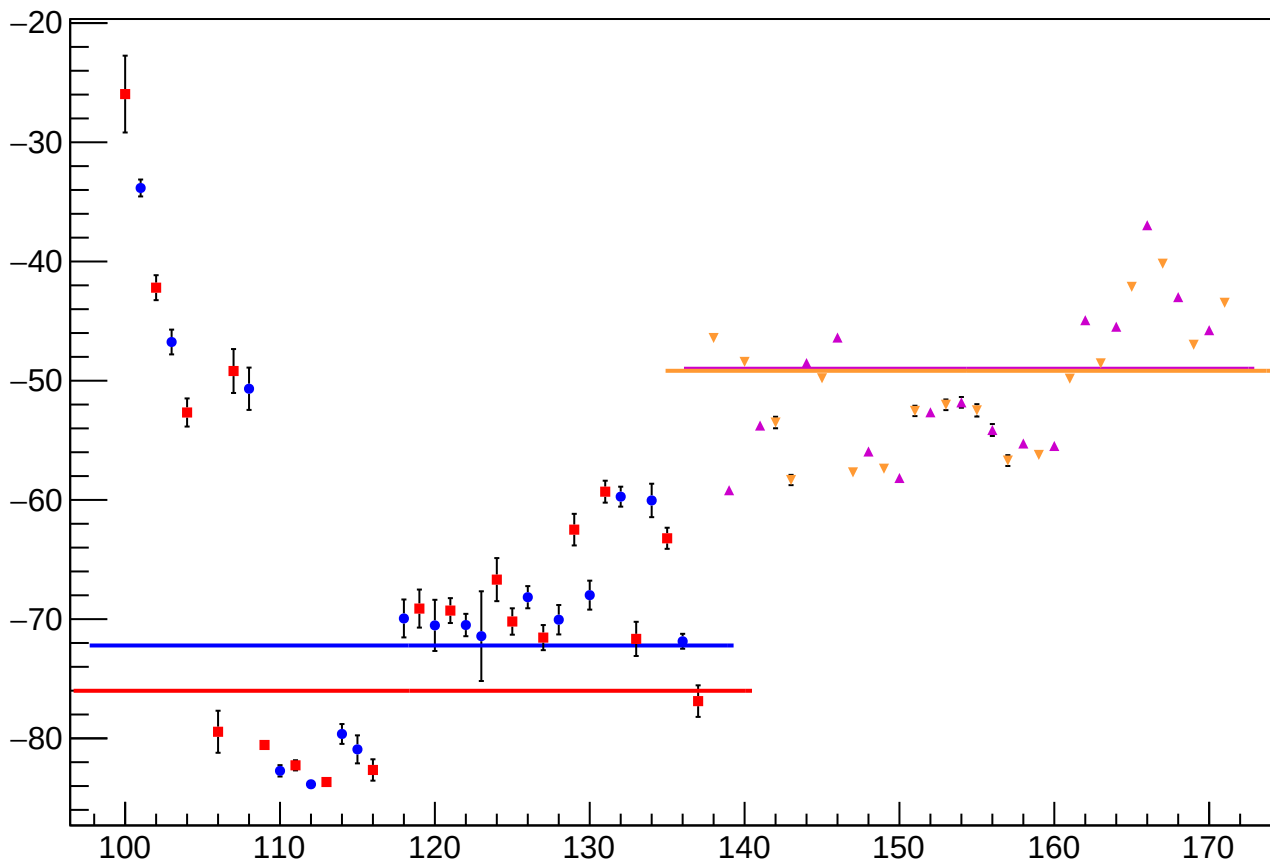
Right: 10.677 $\pm$ 0.083 χ^2 /NDF: 1721.6/35

In: 10.390 $\pm$ 0.057 χ^2 /NDF:2602.9/32

Out: 10.700 $\pm$ 0.055 χ^2 /NDF:2614.7/36

All: 10.552 $\pm$ 0.039 χ^2 /NDF: 5233.0/69

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 ± 0.198 χ^2/NDF : 5566.2/16

Left Out: -49.168 ± 0.085 χ^2/NDF : 4148.0/17

Right Out: -76.009 ± 0.181 χ^2/NDF : 3463.3/18

Left In: -48.996 ± 0.088 χ^2/NDF : 4908.4/15

Left: -49.085 ± 0.061 χ^2/NDF : 9058.3/33

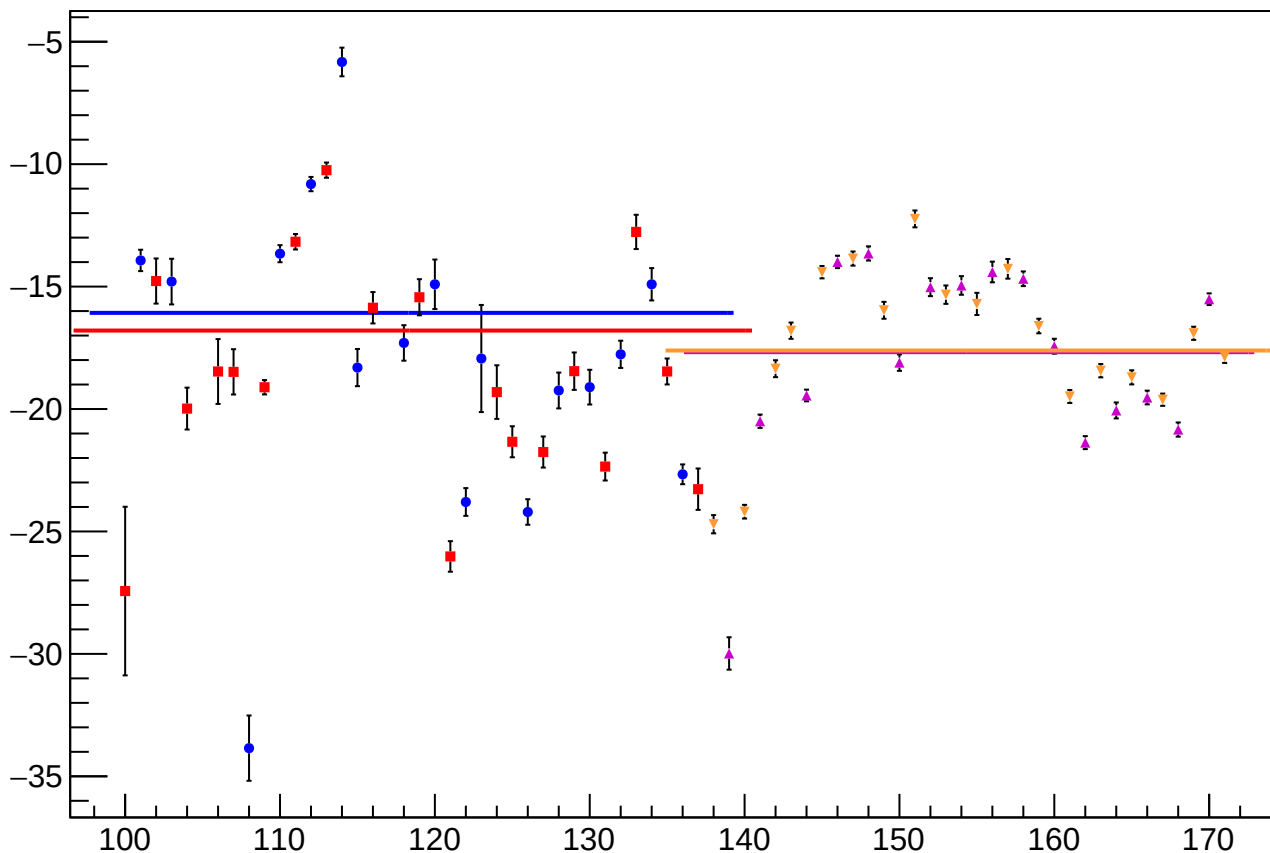
Right: -74.280 ± 0.134 χ^2/NDF : 9230.0/35

In: -52.831 ± 0.080 χ^2/NDF : 21951.6/32

Out: -54.028 ± 0.077 χ^2/NDF : 25623.1/36

All: -53.456 ± 0.056 χ^2/NDF : 47690.1/69

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: -17.609 ± 0.071 $\chi^2/\text{NDF}: 1802.2/17$

Right Out: -16.795 ± 0.128 $\chi^2/\text{NDF}: 1216.0/18$

Left In: -17.679 ± 0.075 $\chi^2/\text{NDF}: 1671.1/15$

Left: -17.642 ± 0.052 $\chi^2/\text{NDF}: 3473.7/33$

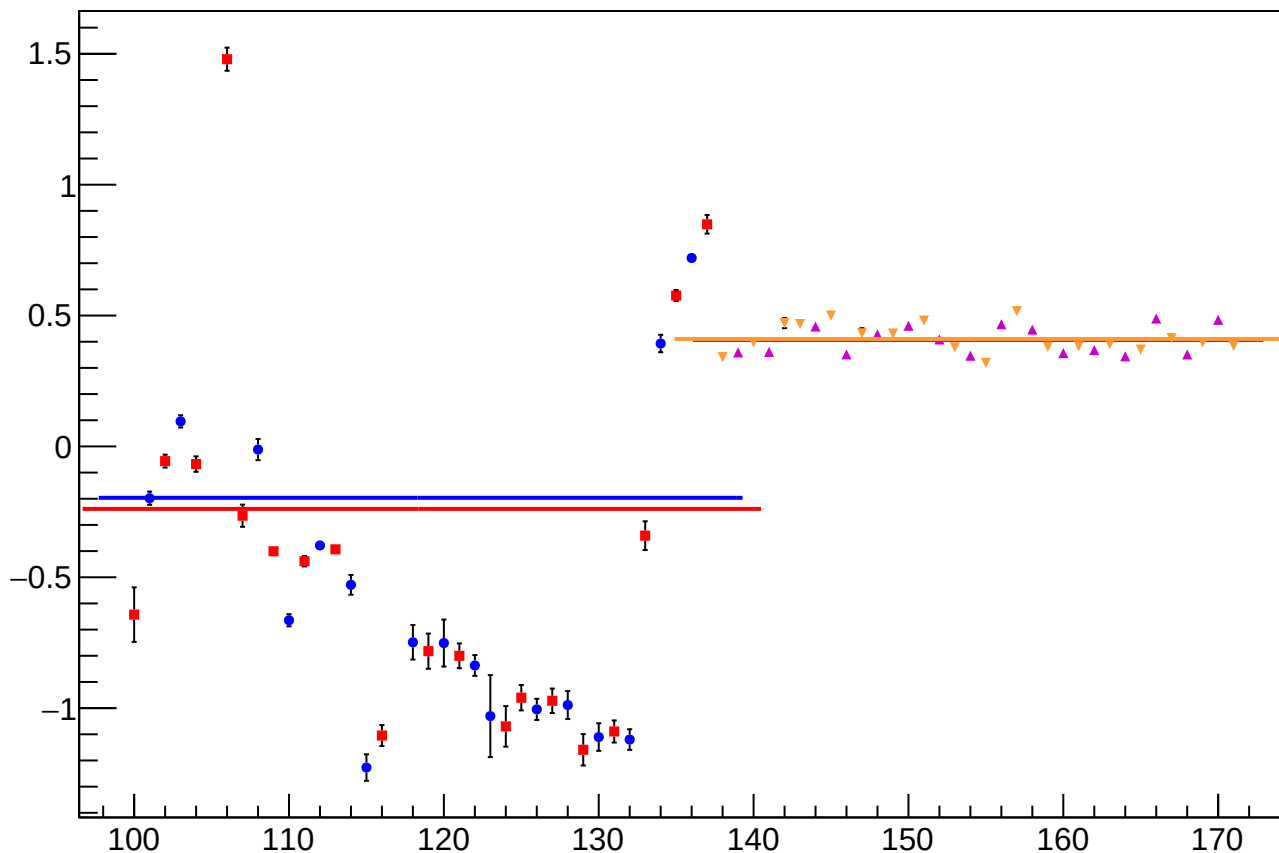
Right: -16.446 ± 0.092 $\chi^2/\text{NDF}: 2871.9/35$

In: -17.289 ± 0.065 $\chi^2/\text{NDF}: 3422.8/32$

Out: -17.416 ± 0.062 $\chi^2/\text{NDF}: 3049.1/36$

All: -17.356 ± 0.045 $\chi^2/\text{NDF}: 6473.8/69$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.411 ± 0.003 χ^2/NDF : 228.9/17

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.406 ± 0.003 χ^2/NDF : 253.1/15

Left: 0.409 ± 0.002 χ^2/NDF : 482.8/33

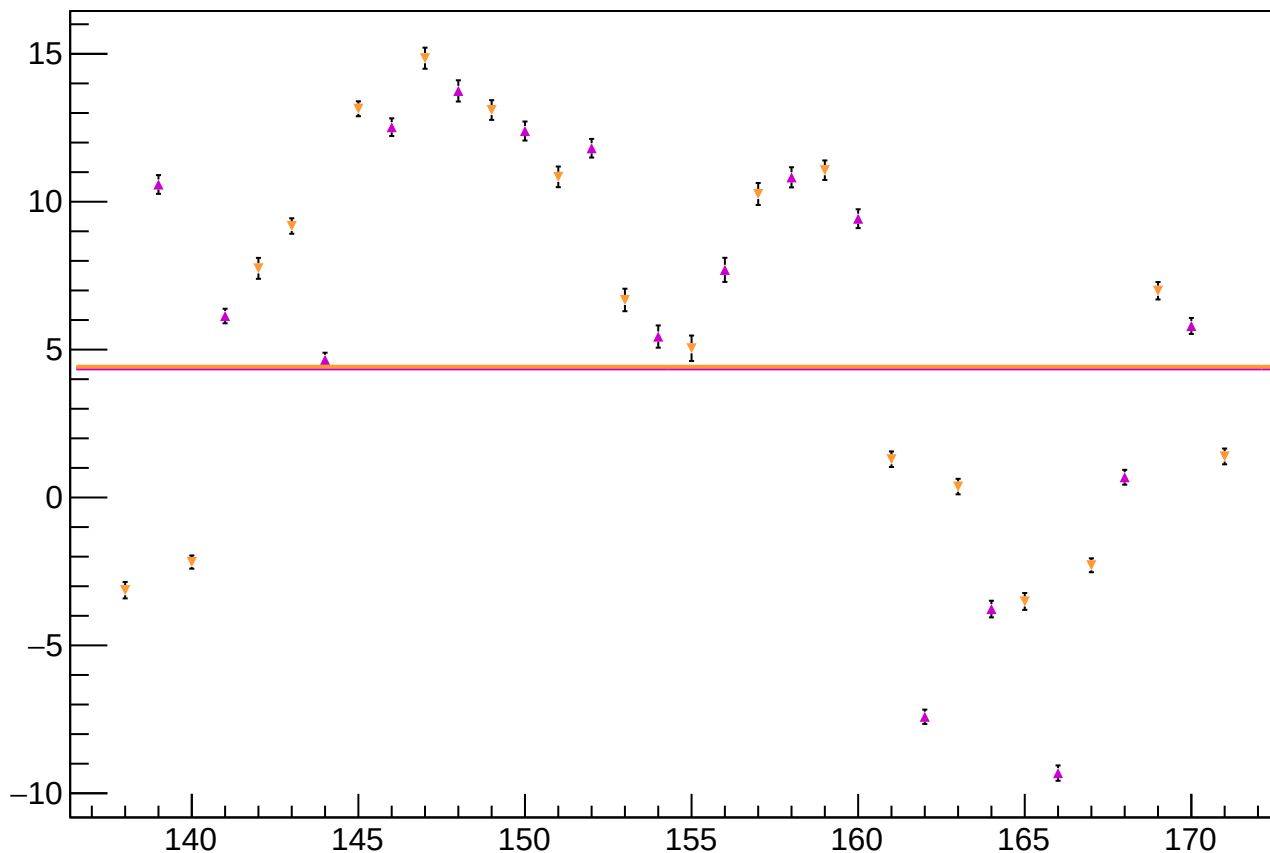
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.301 ± 0.003 χ^2/NDF : 11841.5/32

Out: 0.296 ± 0.003 χ^2/NDF : 13155.4/36

All: 0.298 ± 0.002 χ^2/NDF : 24998.0/69

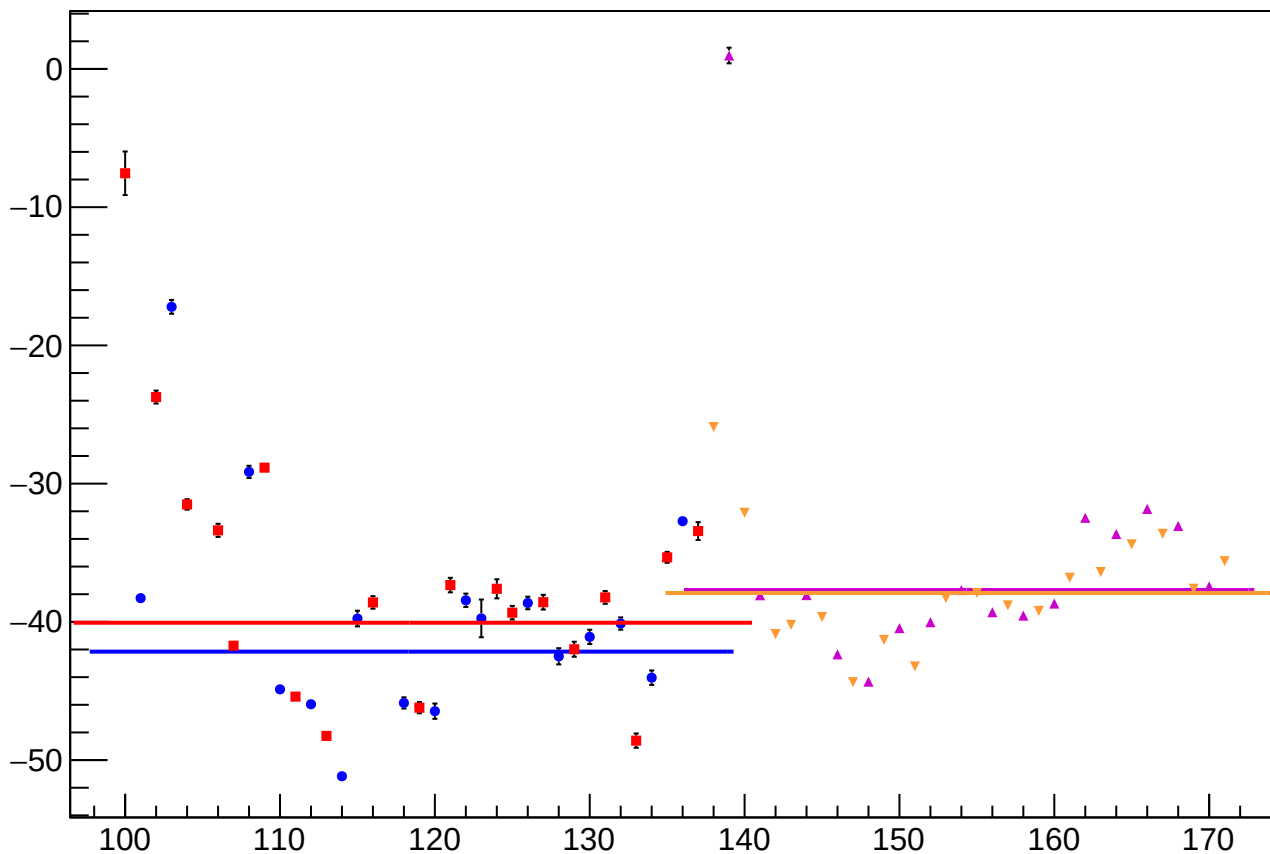
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.421 $\pm$ 0.069 χ^2 /NDF:7975.9/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.365 $\pm$ 0.073 χ^2 /NDF:9938.7/15

Left: 4.395 $\pm$ 0.050 χ^2 /NDF: 17914.9/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.365 $\pm$ 0.073 χ^2 /NDF:9938.7/15
 Out: 4.421 $\pm$ 0.069 χ^2 /NDF:7975.9/17
 All: 4.395 $\pm$ 0.050 χ^2 /NDF: 17914.9/33

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -37.910 ± 0.050 $\chi^2/\text{NDF}: 6720.0/17$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

Left In: -37.693 ± 0.054 $\chi^2/\text{NDF}: 9214.1/15$

Left: -37.809 ± 0.037 $\chi^2/\text{NDF}: 15942.9/33$

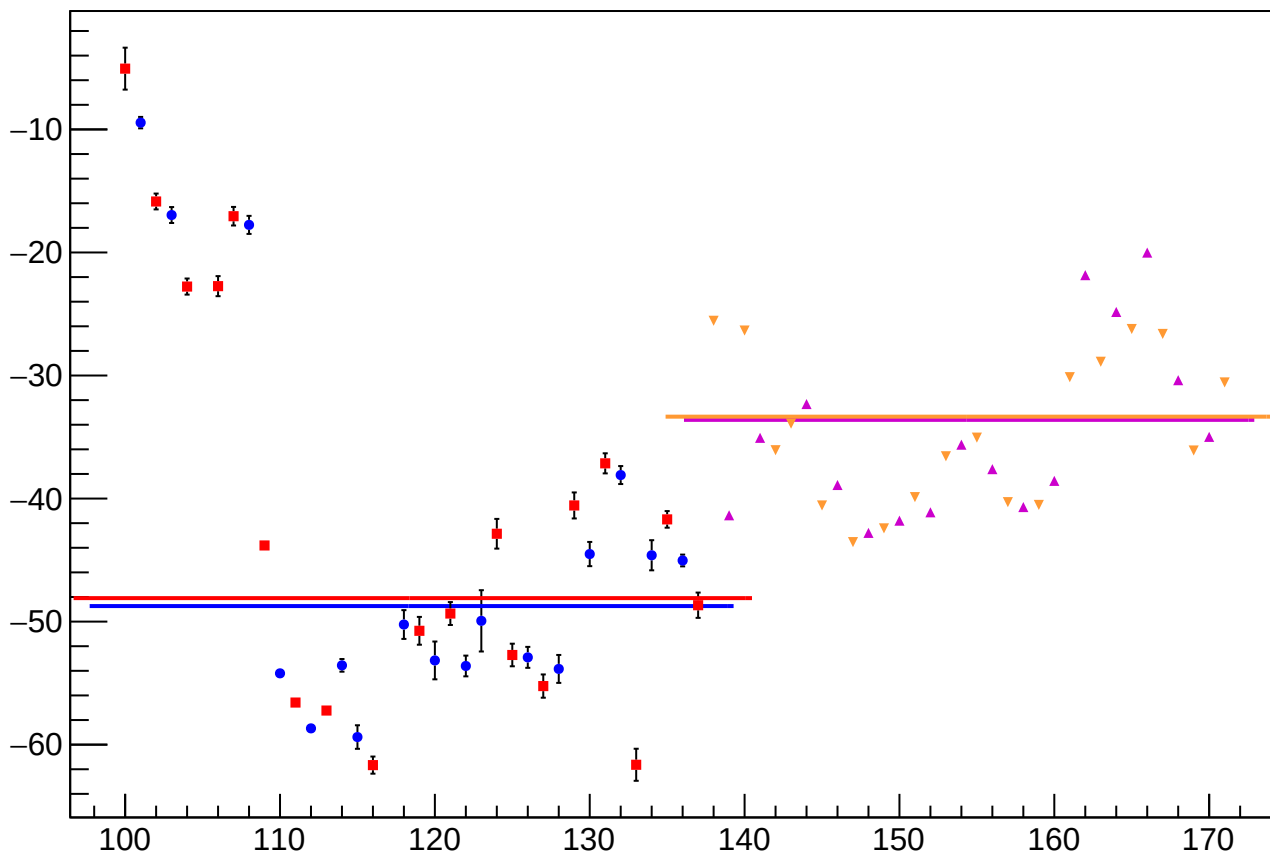
Right: -41.035 ± 0.053 $\chi^2/\text{NDF}: 18264.1/35$

In: -39.122 ± 0.044 $\chi^2/\text{NDF}: 17993.0/32$

Out: -38.599 ± 0.041 $\chi^2/\text{NDF}: 18636.9/36$

All: -38.842 ± 0.030 $\chi^2/\text{NDF}: 36705.0/69$

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: -33.344 ± 0.069 $\chi^2/\text{NDF}: 7641.0/17$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

Left In: -33.604 ± 0.072 $\chi^2/\text{NDF}: 10328.8/15$

Left: -33.468 ± 0.050 $\chi^2/\text{NDF}: 17976.6/33$

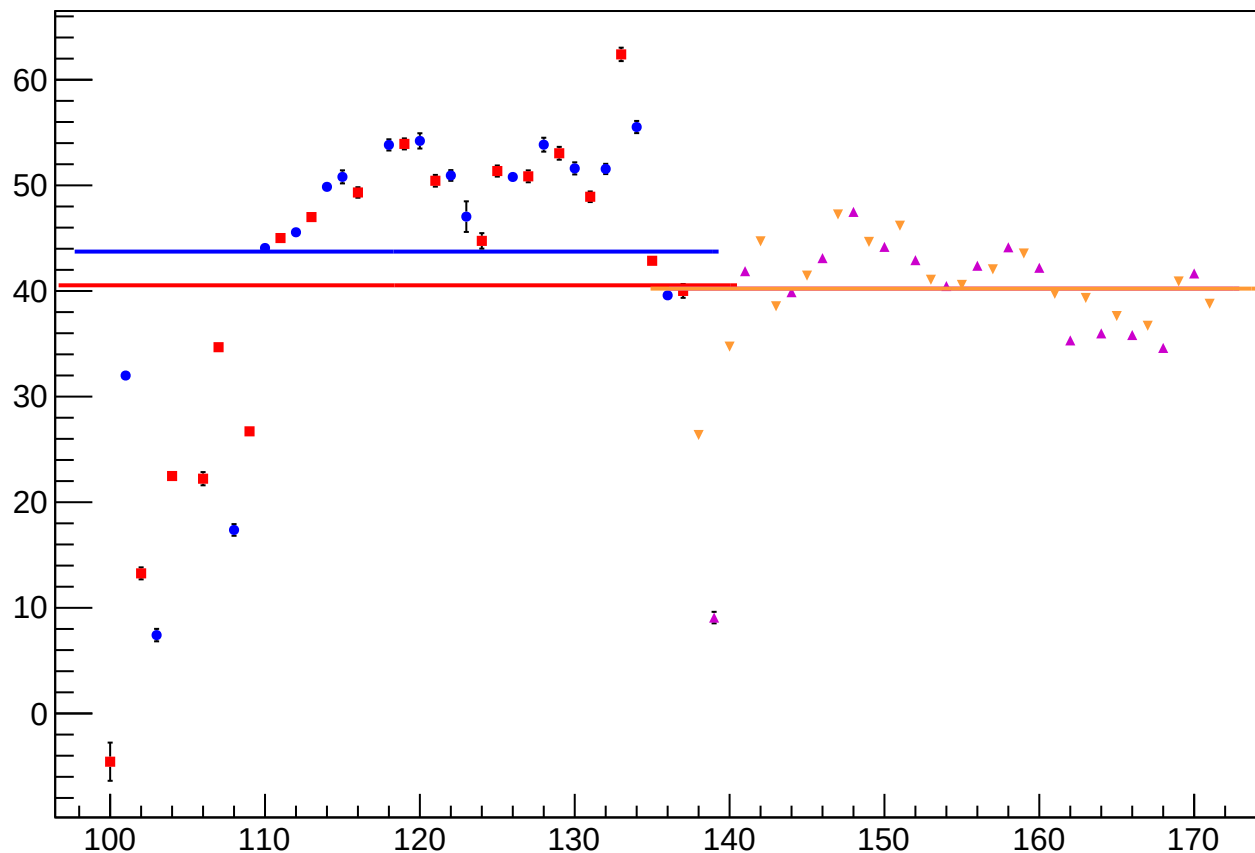
Right: -48.367 ± 0.081 $\chi^2/\text{NDF}: 26406.8/35$

In: -37.398 ± 0.062 $\chi^2/\text{NDF}: 36045.6/32$

Out: -37.650 ± 0.058 $\chi^2/\text{NDF}: 32765.3/36$

All: -37.534 ± 0.042 $\chi^2/\text{NDF}: 68819.7/69$

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: 40.225 $\pm$ 0.058 χ^2 /NDF: 5351.6/17

Right Out: 40.537 $\pm$ 0.080 χ^2 /NDF: 17601.3/18

Left In: 40.225 $\pm$ 0.062 χ^2 /NDF: 6817.0/15

Left: 40.225 $\pm$ 0.042 χ^2 /NDF: 12168.7/33

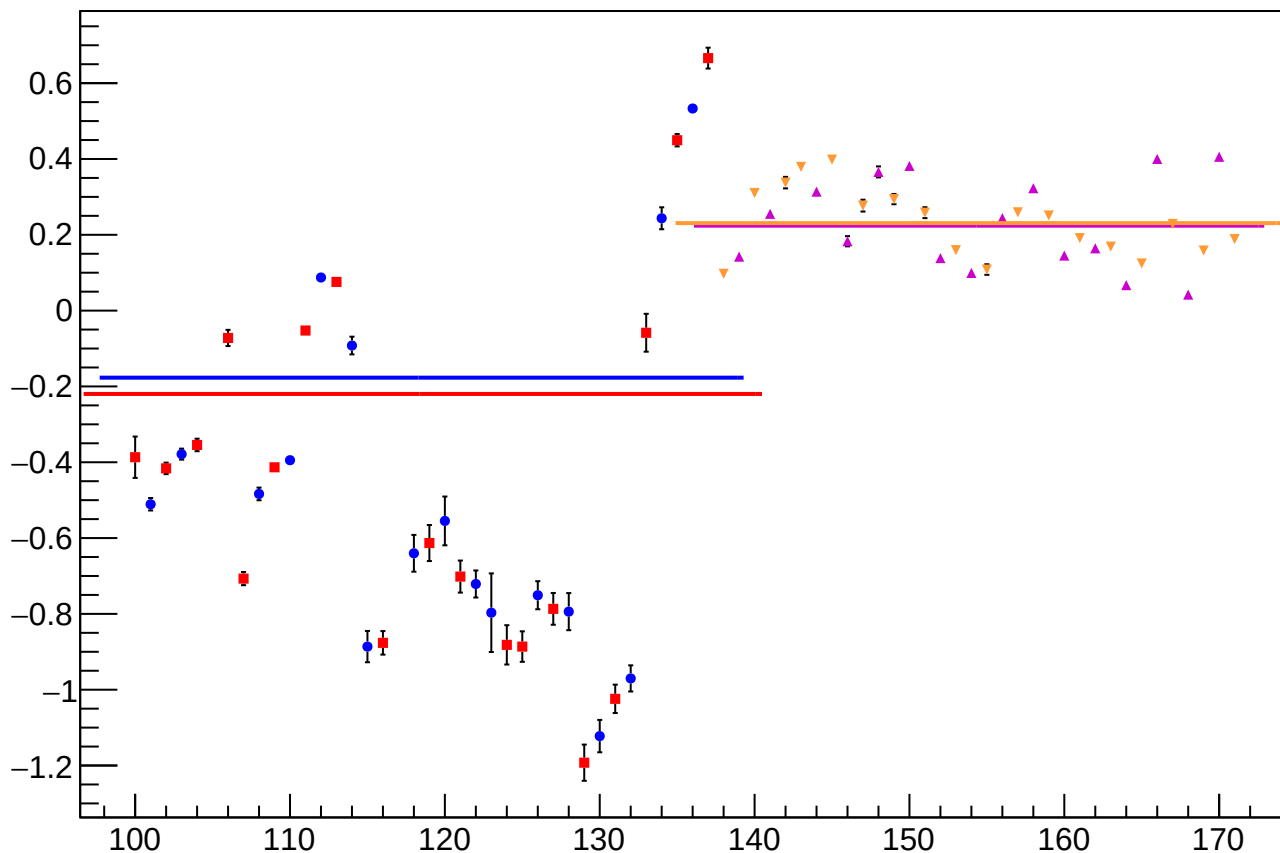
Right: 42.007 $\pm$ 0.059 χ^2 /NDF: 28898.9/35

In: 41.397 $\pm$ 0.050 χ^2 /NDF: 18469.4/32

Out: 40.331 $\pm$ 0.047 χ^2 /NDF: 22963.0/36

All: 40.827 $\pm$ 0.034 χ^2 /NDF: 41673.7/69

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 $\pm$ 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.231 $\pm$ 0.003 χ^2/NDF :1016.0/17

Right Out: -0.220 $\pm$ 0.004 χ^2/NDF : 7430.4/18

Left In: 0.224 $\pm$ 0.003 χ^2/NDF :1812.9/15

Left: 0.228 $\pm$ 0.002 χ^2/NDF : 2831.9/33

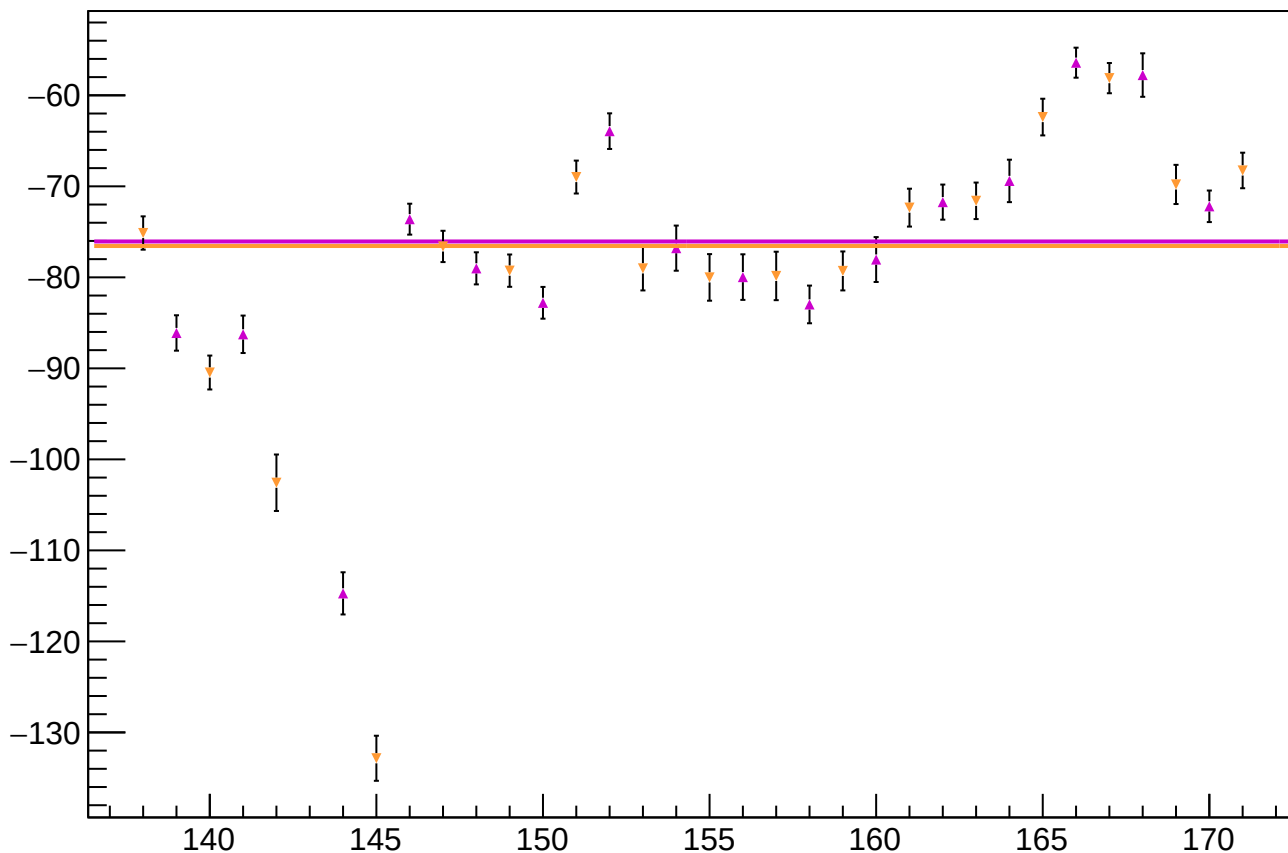
Right: -0.201 $\pm$ 0.003 χ^2/NDF : 14839.1/35

In: 0.122 $\pm$ 0.002 χ^2/NDF :14284.9/32

Out: 0.104 $\pm$ 0.002 χ^2/NDF :16330.1/36

All: 0.112 $\pm$ 0.002 χ^2/NDF : 30642.2/69

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



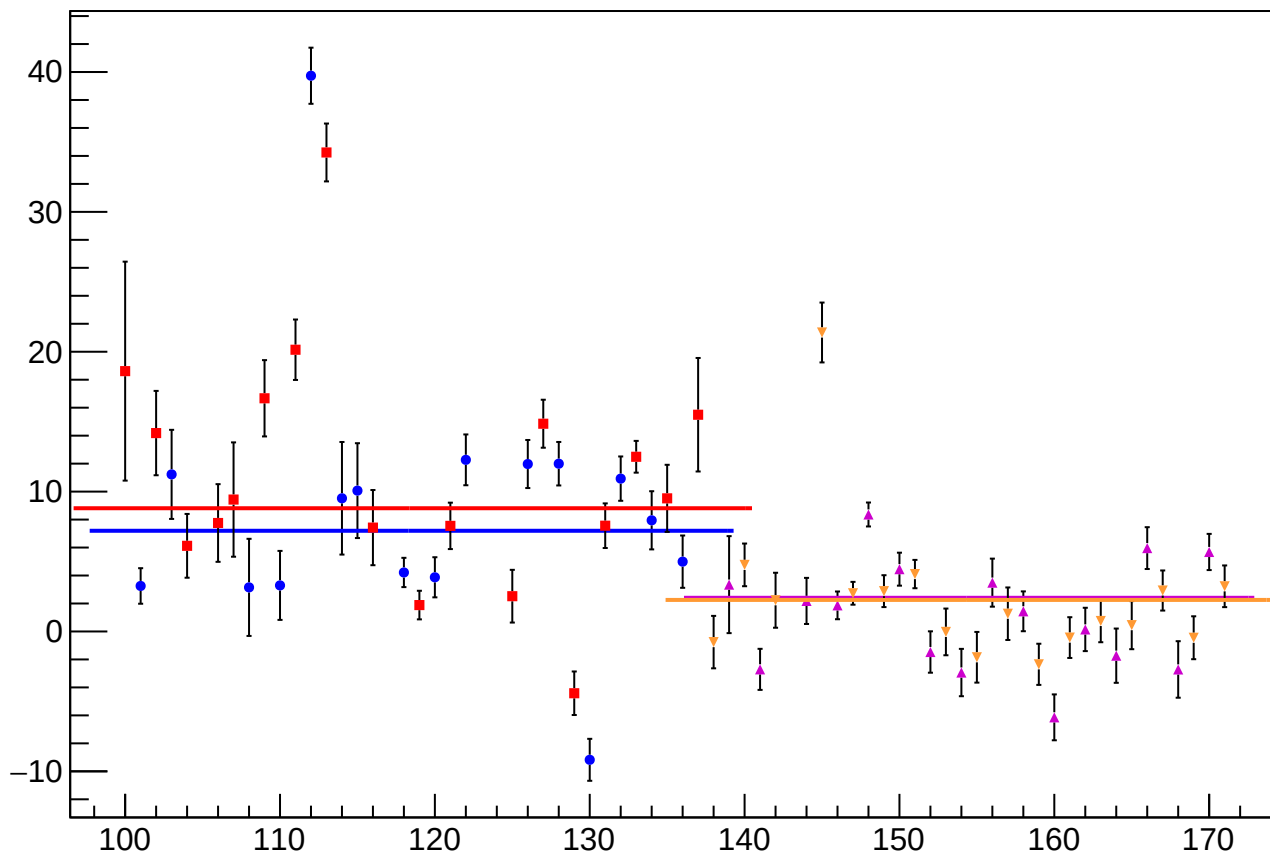
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -76.558+/-0.496 χ^2/NDF :880.3/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -76.058+/-0.500 χ^2/NDF :620.6/15

Left: -76.310+/-0.352 χ^2/NDF : 1501.4/32
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -76.058+/-0.500 χ^2/NDF :620.6/15
 Out: -76.558+/-0.496 χ^2/NDF :880.3/16

All: -76.310+/-0.352 χ^2/NDF : 1501.4/32

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.255 ± 0.344 χ^2/NDF : 115.4/16

Right Out: 8.810 ± 0.448 χ^2/NDF : 349.7/17

Left In: 2.407 ± 0.354 χ^2/NDF : 134.0/15

Left: 2.329 ± 0.247 χ^2/NDF : 249.5/32

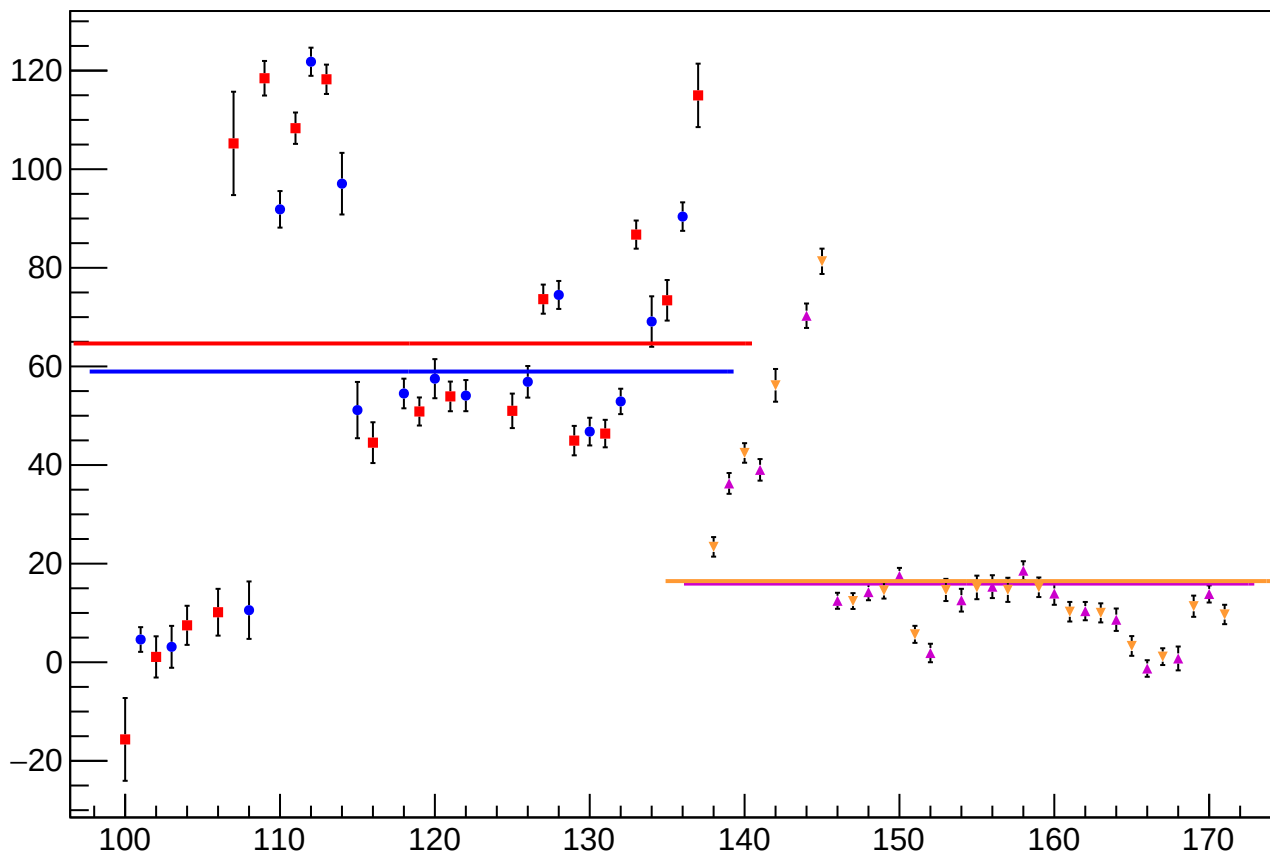
Right: 7.990 ± 0.314 χ^2/NDF : 800.1/33

In: 4.290 ± 0.276 χ^2/NDF : 649.9/31

Out: 4.687 ± 0.273 χ^2/NDF : 599.9/34

All: 4.491 ± 0.194 χ^2/NDF : 1250.8/66

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 16.460 $\pm$ 0.487 χ^2 /NDF:1175.6/16

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

Left In: 15.957 $\pm$ 0.489 χ^2 /NDF:917.8/15

Left: 16.209 $\pm$ 0.345 χ^2 /NDF: 2093.9/32

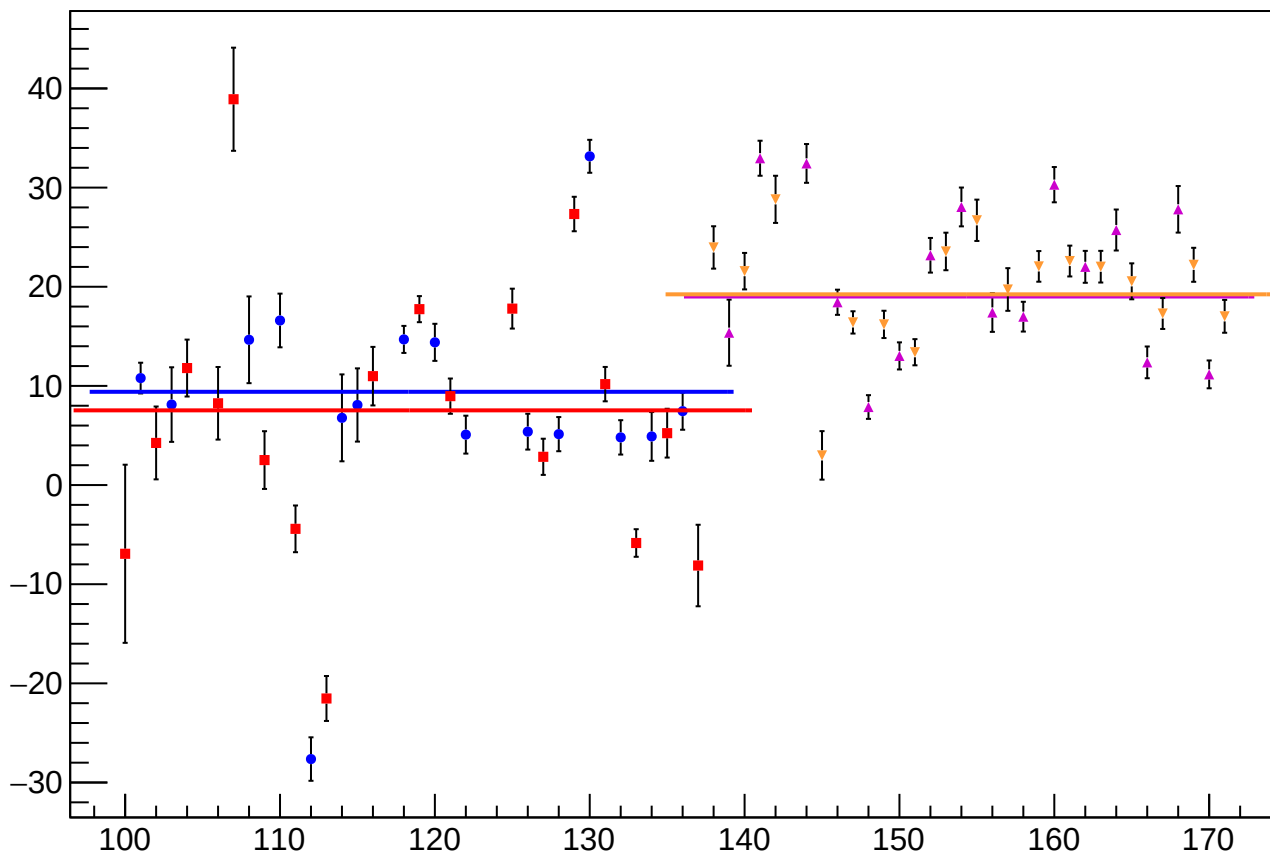
Right: 61.798 $\pm$ 0.593 χ^2 /NDF: 3241.4/33

In: 26.905 $\pm$ 0.422 χ^2 /NDF:4382.4/31

Out: 28.573 $\pm$ 0.421 χ^2 /NDF:5361.7/34

All: 27.741 $\pm$ 0.298 χ^2 /NDF: 9751.9/66

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 19.236 ± 0.404 $\chi^2/\text{NDF}: 133.7/16$

Right Out: 7.533 ± 0.515 $\chi^2/\text{NDF}: 569.8/17$

Left In: 19.015 ± 0.414 $\chi^2/\text{NDF}: 363.0/15$

Left: 19.128 ± 0.289 $\chi^2/\text{NDF}: 496.8/32$

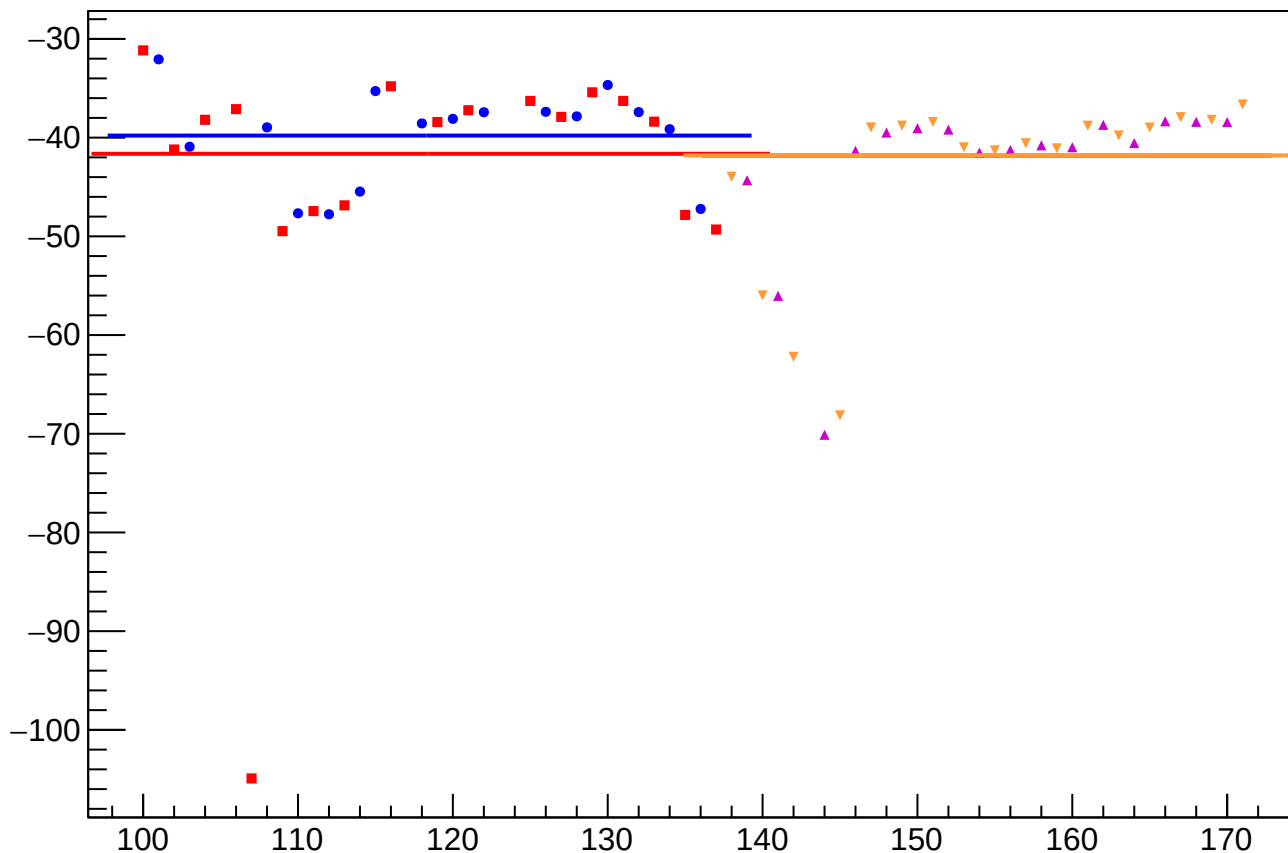
Right: 8.484 ± 0.361 $\chi^2/\text{NDF}: 1126.0/33$

In: 15.168 ± 0.321 $\chi^2/\text{NDF}: 1128.2/31$

Out: 14.775 ± 0.318 $\chi^2/\text{NDF}: 1023.2/34$

All: 14.970 ± 0.226 $\chi^2/\text{NDF}: 2152.2/66$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 $\chi^2/\text{NDF}: 26138.6/15$

Left Out: -41.796 ± 0.019 $\chi^2/\text{NDF}: 137837.4/16$

Right Out: -41.635 ± 0.031 $\chi^2/\text{NDF}: 94393.1/17$

Left In: -41.818 ± 0.019 $\chi^2/\text{NDF}: 107361.9/15$

Left: -41.807 ± 0.014 $\chi^2/\text{NDF}: 245200.0/32$

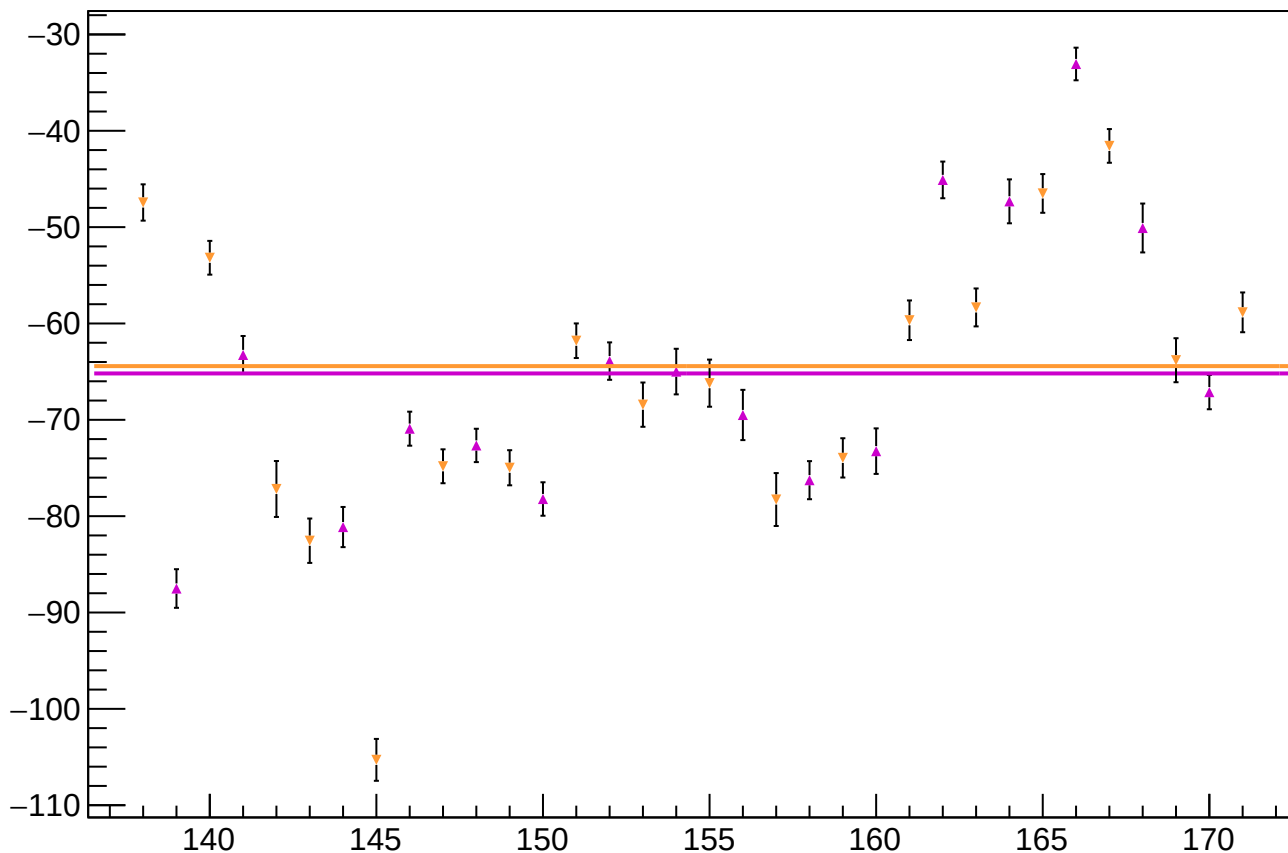
Right: -40.714 ± 0.022 $\chi^2/\text{NDF}: 122277.1/33$

In: -41.256 ± 0.016 $\chi^2/\text{NDF}: 136546.5/31$

Out: -41.752 ± 0.016 $\chi^2/\text{NDF}: 232249.7/34$

All: -41.505 ± 0.012 $\chi^2/\text{NDF}: 369252.9/66$

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



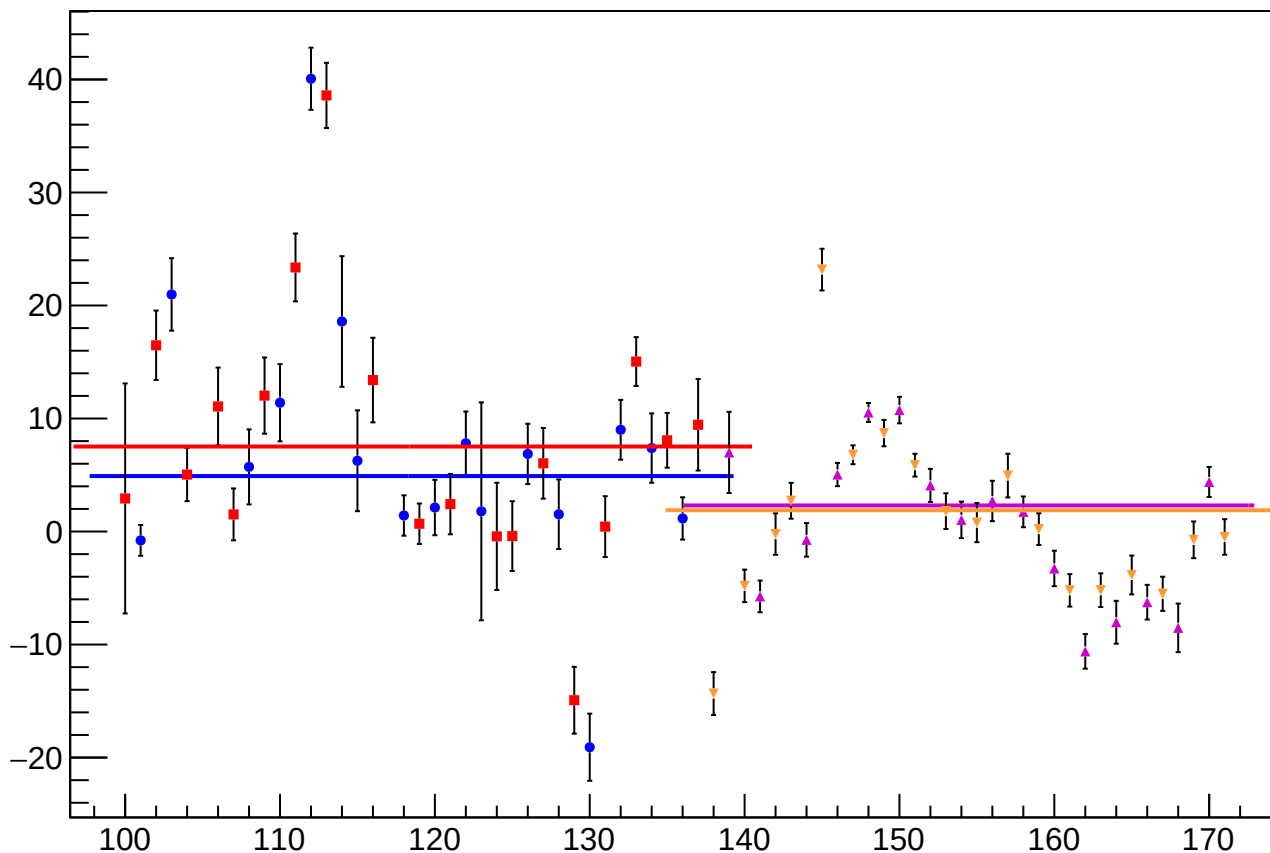
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -64.426+/-0.483 χ^2/NDF :950.9/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -65.186+/-0.498 χ^2/NDF :884.4/15

Left: -64.795+/-0.347 χ^2/NDF : 1836.5/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.186+/-0.498 χ^2/NDF :884.4/15
 Out: -64.426+/-0.483 χ^2/NDF :950.9/17

All: -64.795+/-0.347 χ^2/NDF : 1836.5/33

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 $\pm$ 0.628 χ^2 /NDF: 295.4/16

Left Out: 1.885 $\pm$ 0.335 χ^2 /NDF: 405.2/17

Right Out: 7.523 $\pm$ 0.651 χ^2 /NDF: 270.6/18

Left In: 2.307 $\pm$ 0.350 χ^2 /NDF: 368.6/15

Left: 2.087 $\pm$ 0.242 χ^2 /NDF: 774.6/33

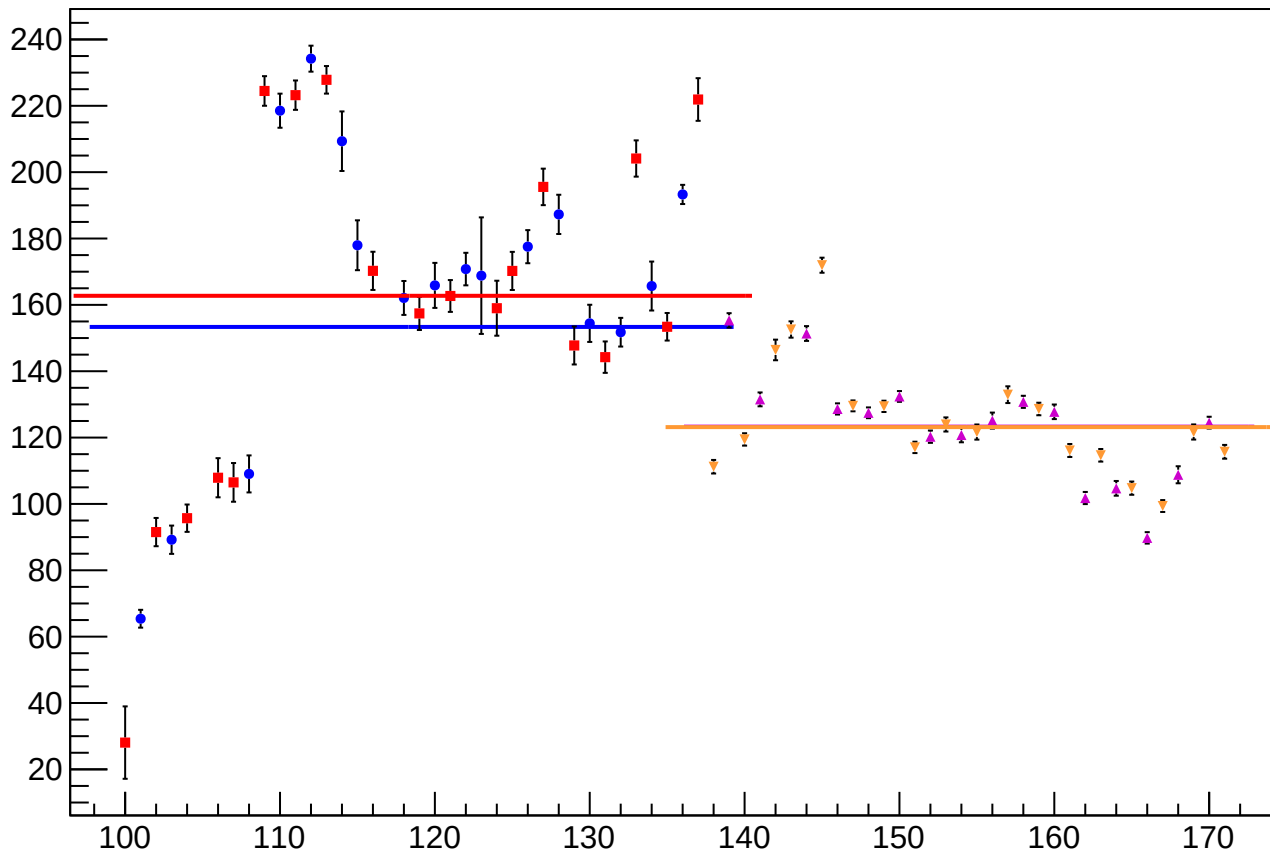
Right: 6.168 $\pm$ 0.452 χ^2 /NDF: 574.4/35

In: 2.924 $\pm$ 0.306 χ^2 /NDF: 677.2/32

Out: 3.067 $\pm$ 0.298 χ^2 /NDF: 735.1/36

All: 2.997 $\pm$ 0.213 χ^2 /NDF: 1412.4/69

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: 123.154 $\pm$ 0.476 χ^2 /NDF:1072.1/17

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

Left In: 123.302 $\pm$ 0.486 χ^2 /NDF:1083.2/15

Left: 123.226 $\pm$ 0.340 χ^2 /NDF: 2155.3/33

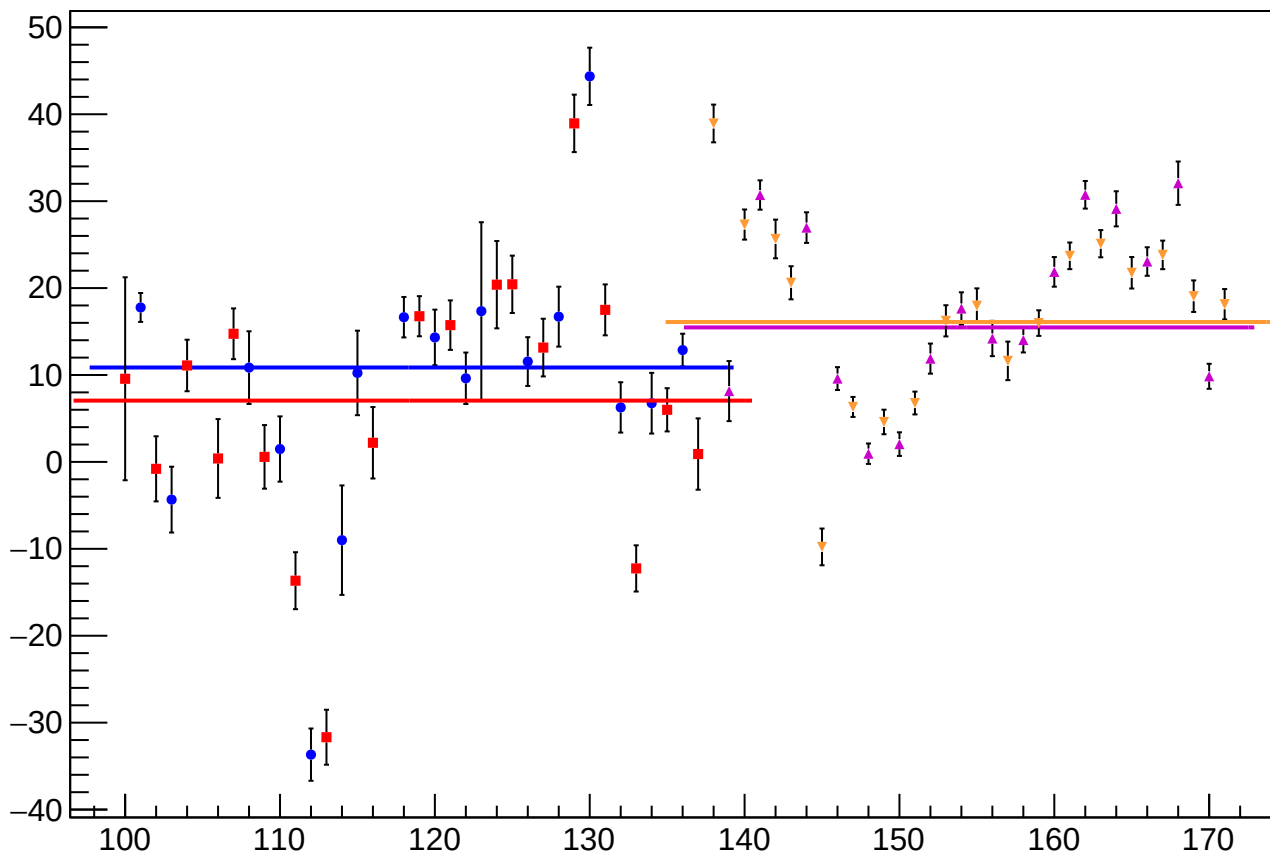
Right: 157.935 $\pm$ 0.823 χ^2 /NDF: 4009.6/35

In: 127.857 $\pm$ 0.448 χ^2 /NDF:3930.5/32

Out: 128.716 $\pm$ 0.441 χ^2 /NDF:3753.0/36

All: 128.293 $\pm$ 0.314 χ^2 /NDF: 7685.3/69

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: 16.097 $\pm$ 0.394 χ^2 /NDF:614.2/17

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

Left In: 15.474 $\pm$ 0.410 χ^2 /NDF:638.8/15

Left: 15.798 $\pm$ 0.284 χ^2 /NDF: 1254.2/33

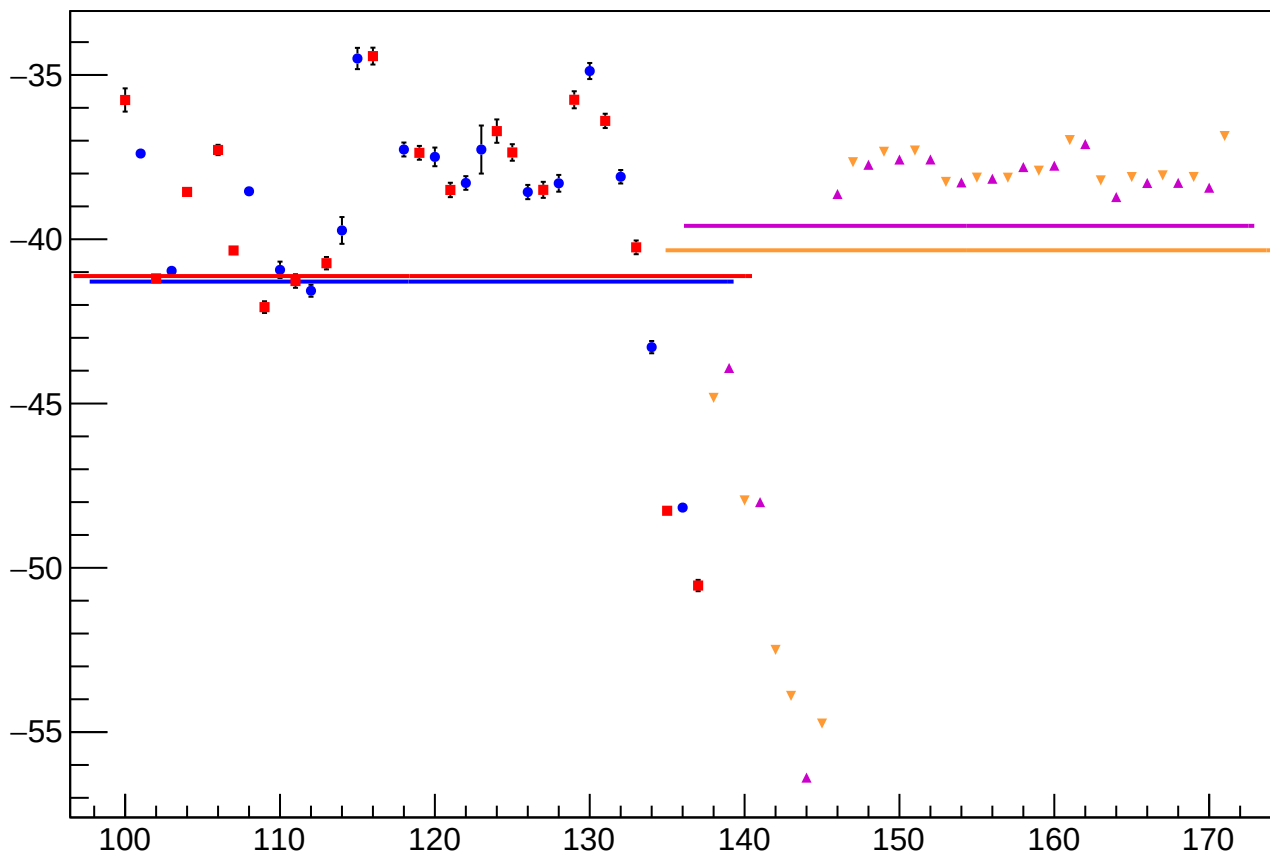
Right: 9.031 $\pm$ 0.518 χ^2 /NDF: 826.1/35

In: 14.344 $\pm$ 0.356 χ^2 /NDF:1057.7/32

Out: 14.133 $\pm$ 0.348 χ^2 /NDF:1153.5/36

All: 14.236 $\pm$ 0.249 χ^2 /NDF: 2211.4/69

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 $\pm$ 0.039 χ^2 /NDF: 12509.1/16

Left Out: -40.336 $\pm$ 0.019 χ^2 /NDF: 81512.0/17

Right Out: -41.120 $\pm$ 0.039 χ^2 /NDF: 12110.6/18

Left In: -39.592 $\pm$ 0.019 χ^2 /NDF: 49127.2/15

Left: -39.972 $\pm$ 0.013 χ^2 /NDF: 131406.1/33

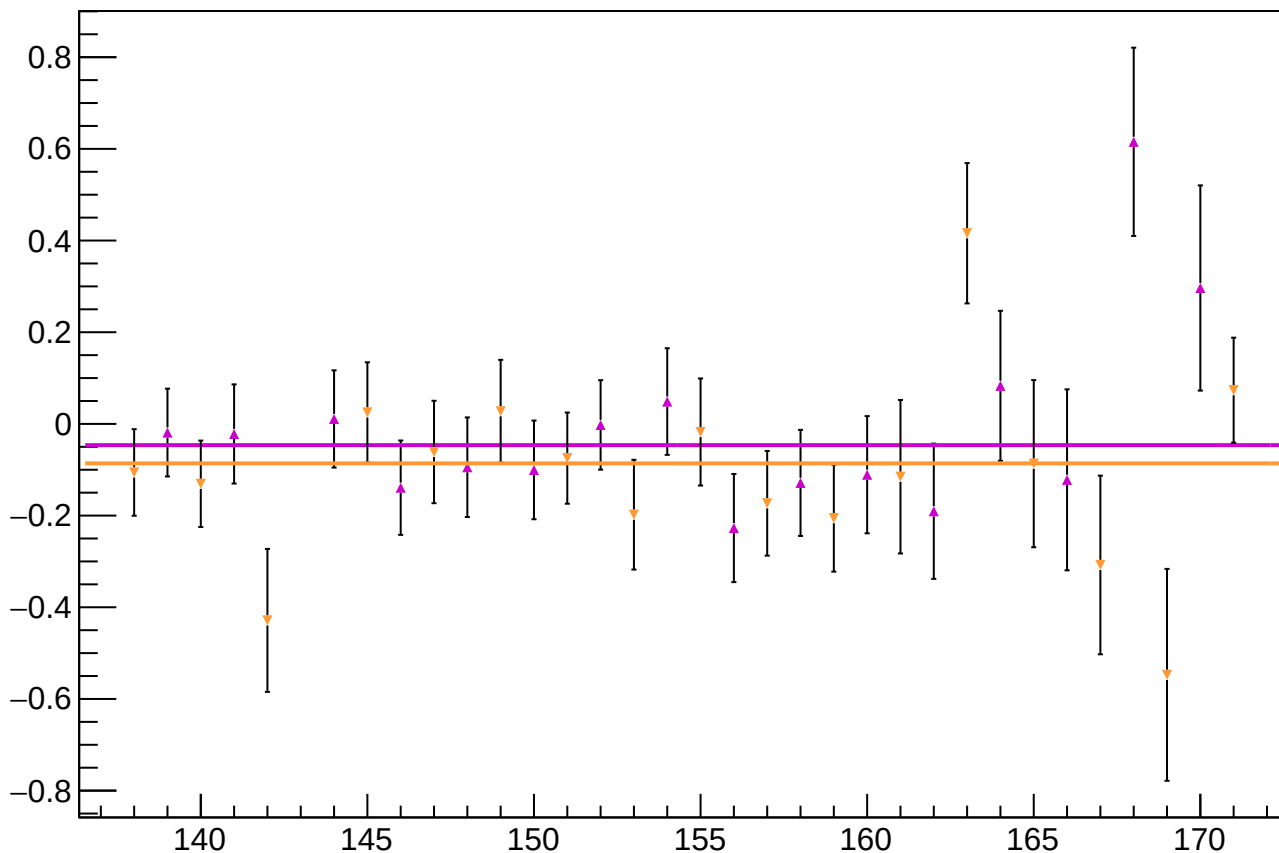
Right: -41.205 $\pm$ 0.027 χ^2 /NDF: 24629.1/35

In: -39.929 $\pm$ 0.017 χ^2 /NDF: 63184.5/32

Out: -40.486 $\pm$ 0.017 χ^2 /NDF: 93955.5/36

All: -40.212 $\pm$ 0.012 χ^2 /NDF: 157673.3/69

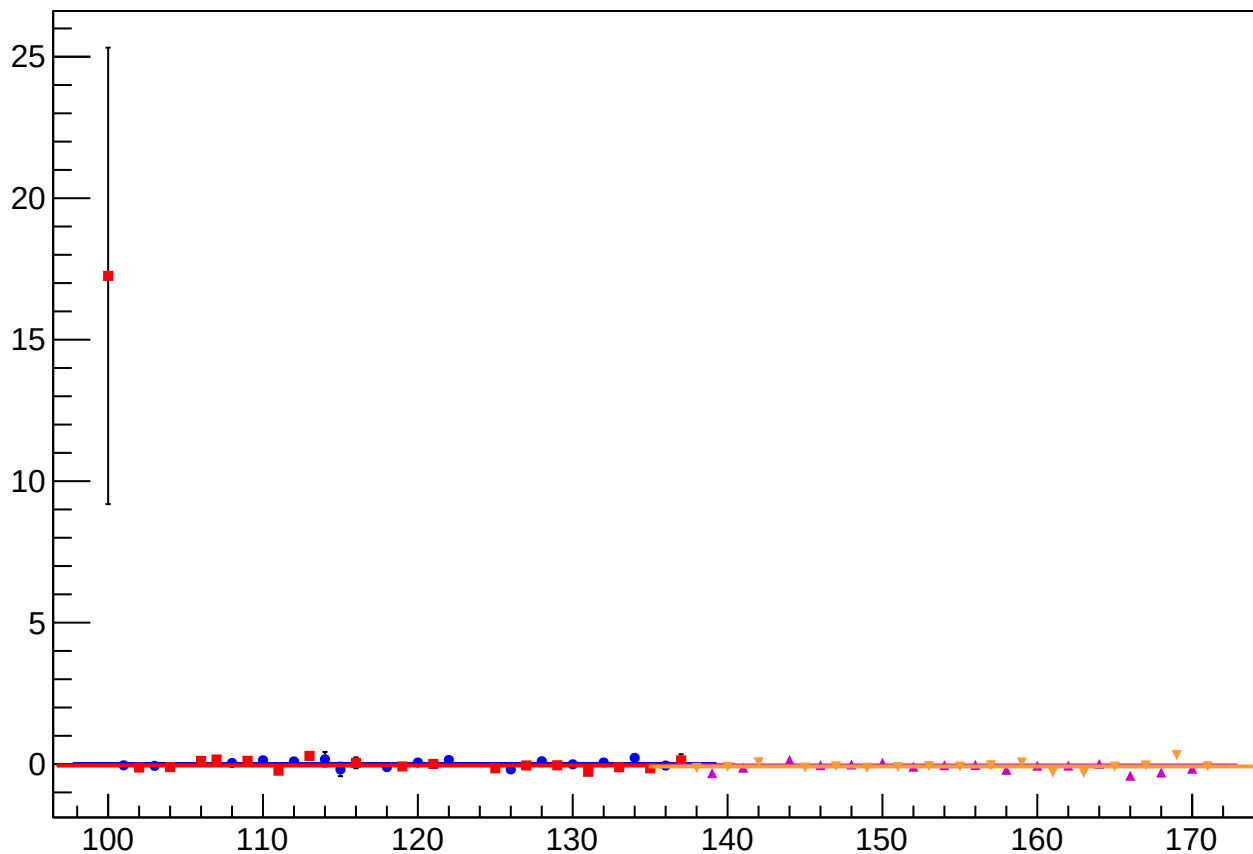
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.086+/-0.030 χ^2/NDF : 28.1/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.046+/-0.030 χ^2/NDF : 20.1/15

Left: -0.067+/-0.021 χ^2/NDF : 49.1/32
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.046+/-0.030 χ^2/NDF : 20.1/15
 Out: -0.086+/-0.030 χ^2/NDF : 28.1/16
 All: -0.067+/-0.021 χ^2/NDF : 49.1/32

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: -0.083 ± 0.021 $\chi^2/\text{NDF}: 19.7/16$

Right Out: -0.050 ± 0.029 $\chi^2/\text{NDF}: 25.6/17$

Left In: -0.050 ± 0.021 $\chi^2/\text{NDF}: 23.0/15$

Left: -0.067 ± 0.015 $\chi^2/\text{NDF}: 43.9/32$

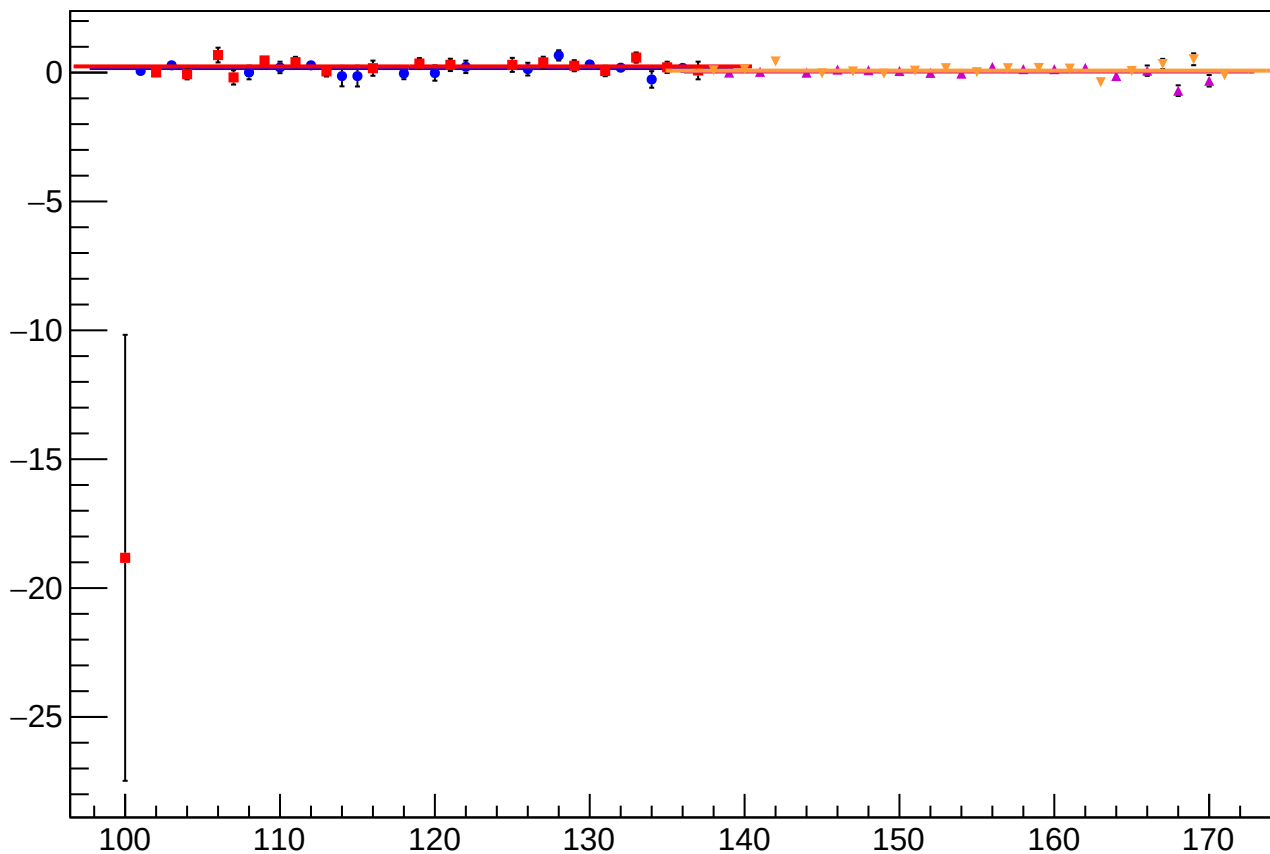
Right: -0.023 ± 0.020 $\chi^2/\text{NDF}: 39.7/33$

In: -0.031 ± 0.017 $\chi^2/\text{NDF}: 37.6/31$

Out: -0.072 ± 0.017 $\chi^2/\text{NDF}: 46.1/34$

All: -0.051 ± 0.012 $\chi^2/\text{NDF}: 86.7/66$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.075+/-0.029 χ^2/NDF : 27.0/16

Right Out: 0.240+/-0.054 χ^2/NDF : 21.6/17

Left In: 0.041+/-0.030 χ^2/NDF : 23.6/15

Left: 0.058+/-0.021 χ^2/NDF : 51.3/32

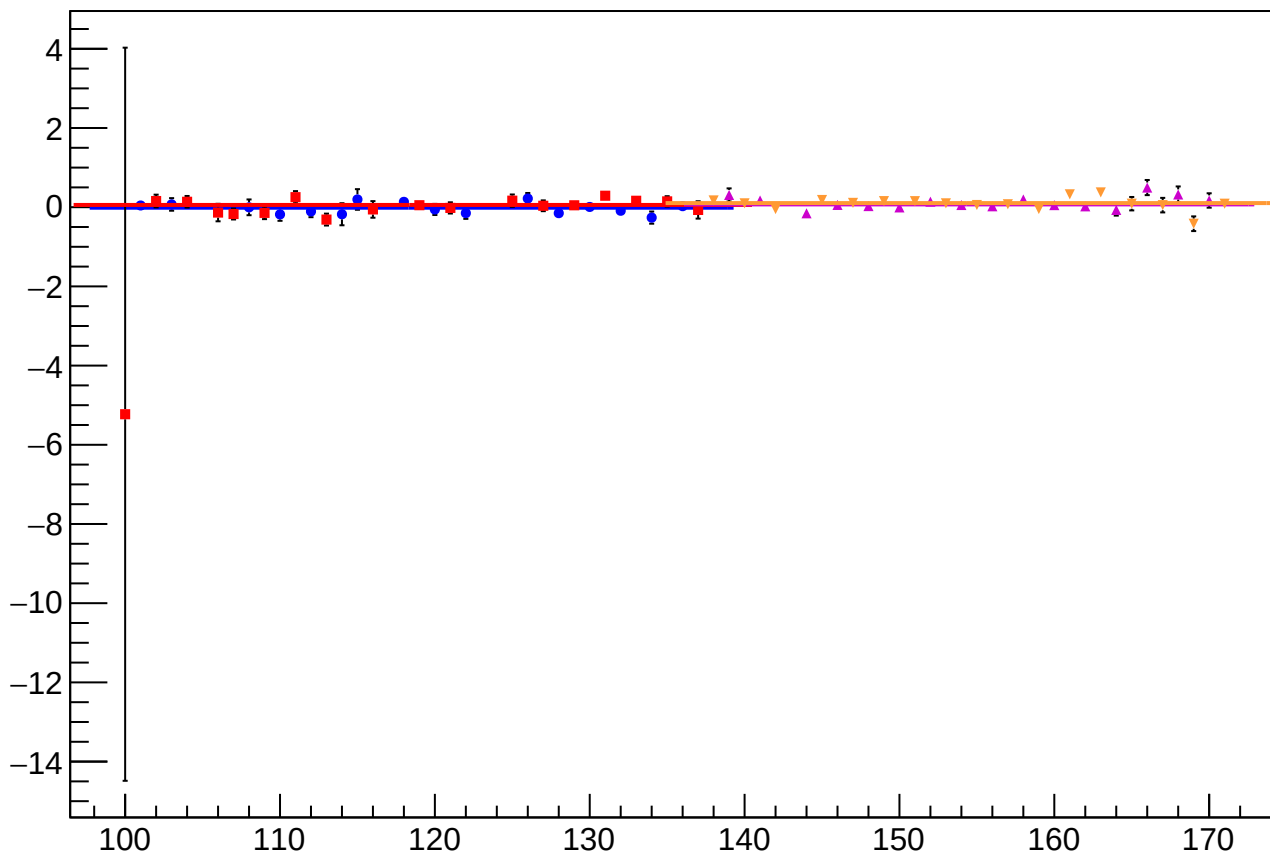
Right: 0.207+/-0.038 χ^2/NDF : 35.3/33

In: 0.073+/-0.026 χ^2/NDF : 41.6/31

Out: 0.113+/-0.026 χ^2/NDF : 55.8/34

All: 0.093+/-0.018 χ^2/NDF : 98.5/66

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.104 ± 0.025 χ^2/NDF : 22.7/16

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.070 ± 0.025 χ^2/NDF : 21.6/15

Left: 0.087 ± 0.018 χ^2/NDF : 45.2/32

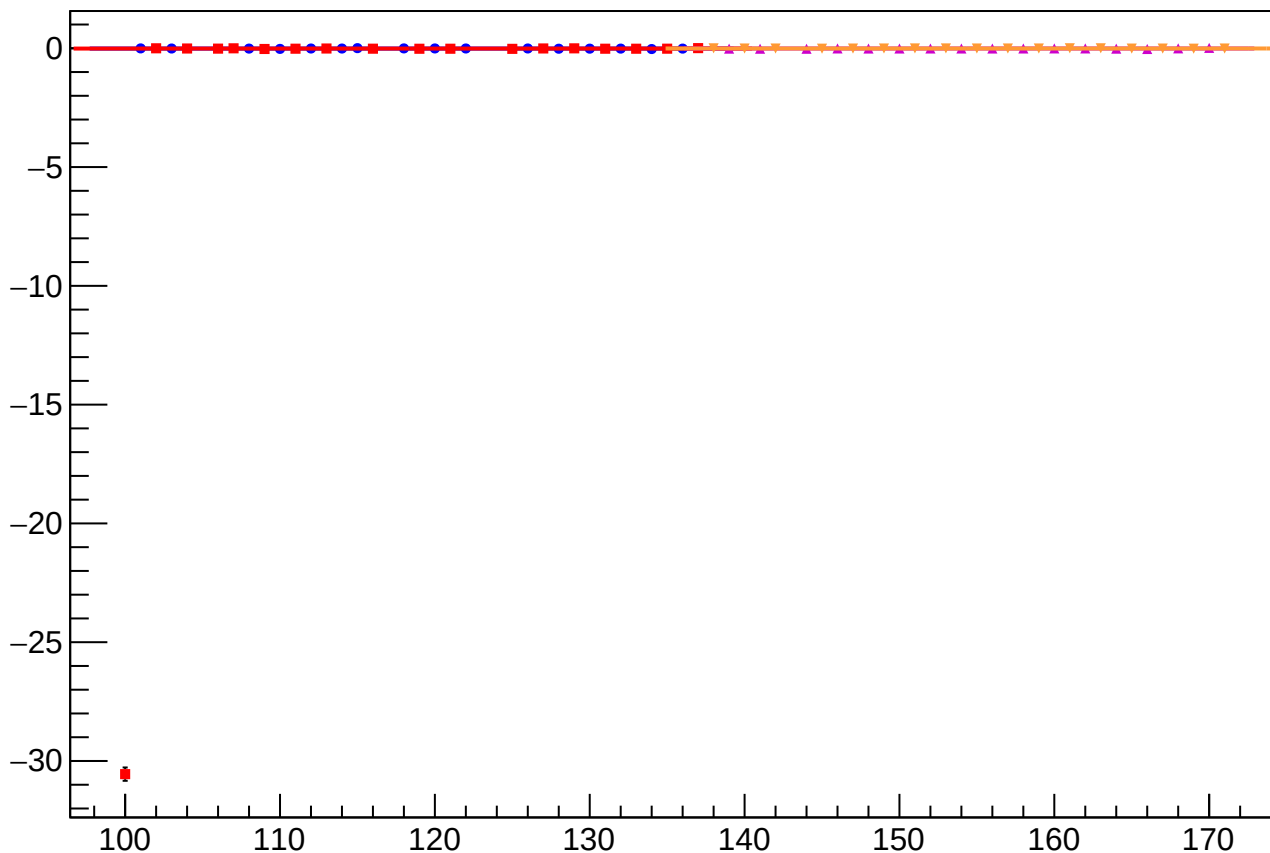
Right: 0.021 ± 0.024 χ^2/NDF : 36.2/33

In: 0.040 ± 0.020 χ^2/NDF : 39.4/31

Out: 0.088 ± 0.020 χ^2/NDF : 44.3/34

All: 0.064 ± 0.014 χ^2/NDF : 86.5/66

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: -0.009 $\pm$ 0.001 χ^2 /NDF:13.6/16

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:28.8/15

Left: -0.009 $\pm$ 0.001 χ^2 /NDF: 43.4/32

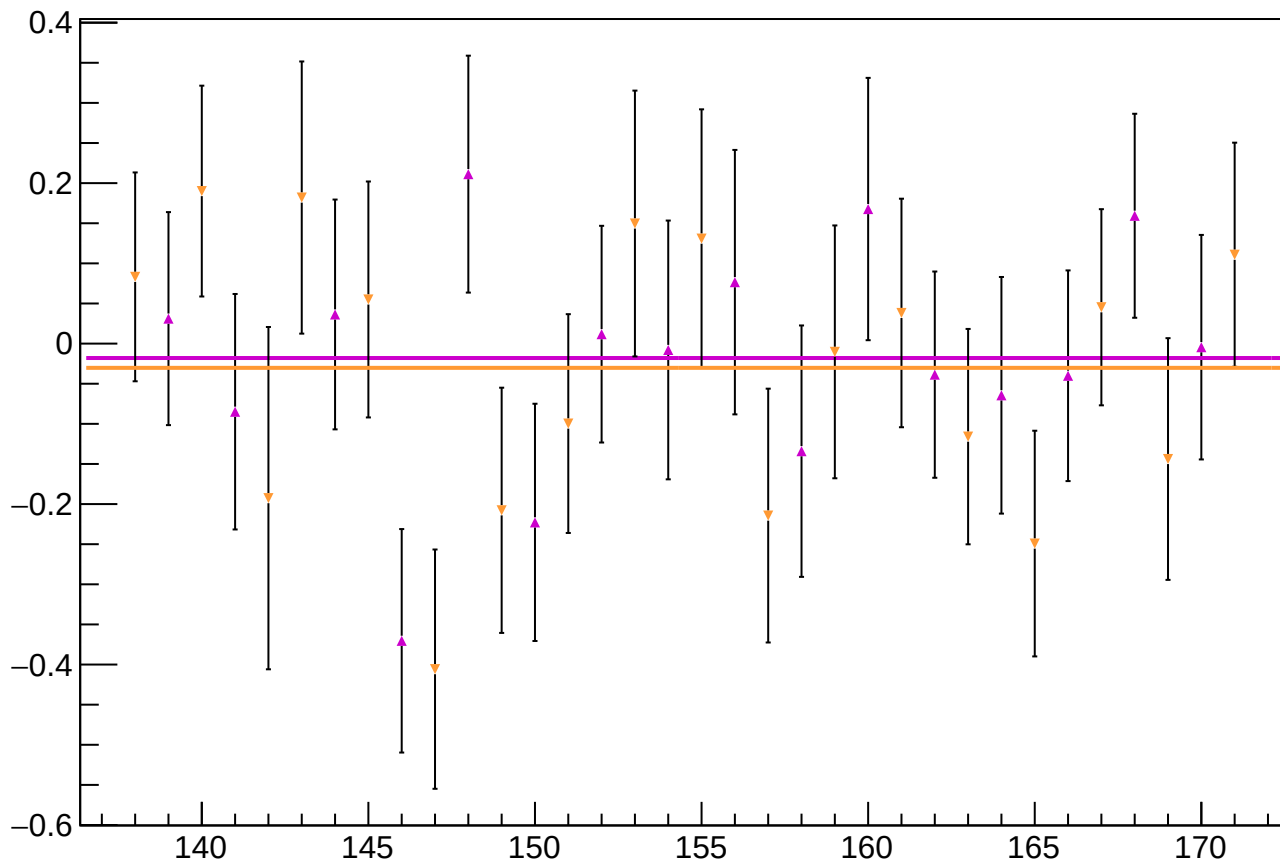
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.1/33

In: -0.011 $\pm$ 0.001 χ^2 /NDF:42.3/31

Out: -0.010 $\pm$ 0.001 χ^2 /NDF:11907.7/34

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11950.6/66

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: -0.030 $\pm$ 0.035 χ^2 /NDF:22.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.018 $\pm$ 0.036 χ^2 /NDF:15.6/15

Left: -0.024 $\pm$ 0.025 χ^2 /NDF: 38.2/33

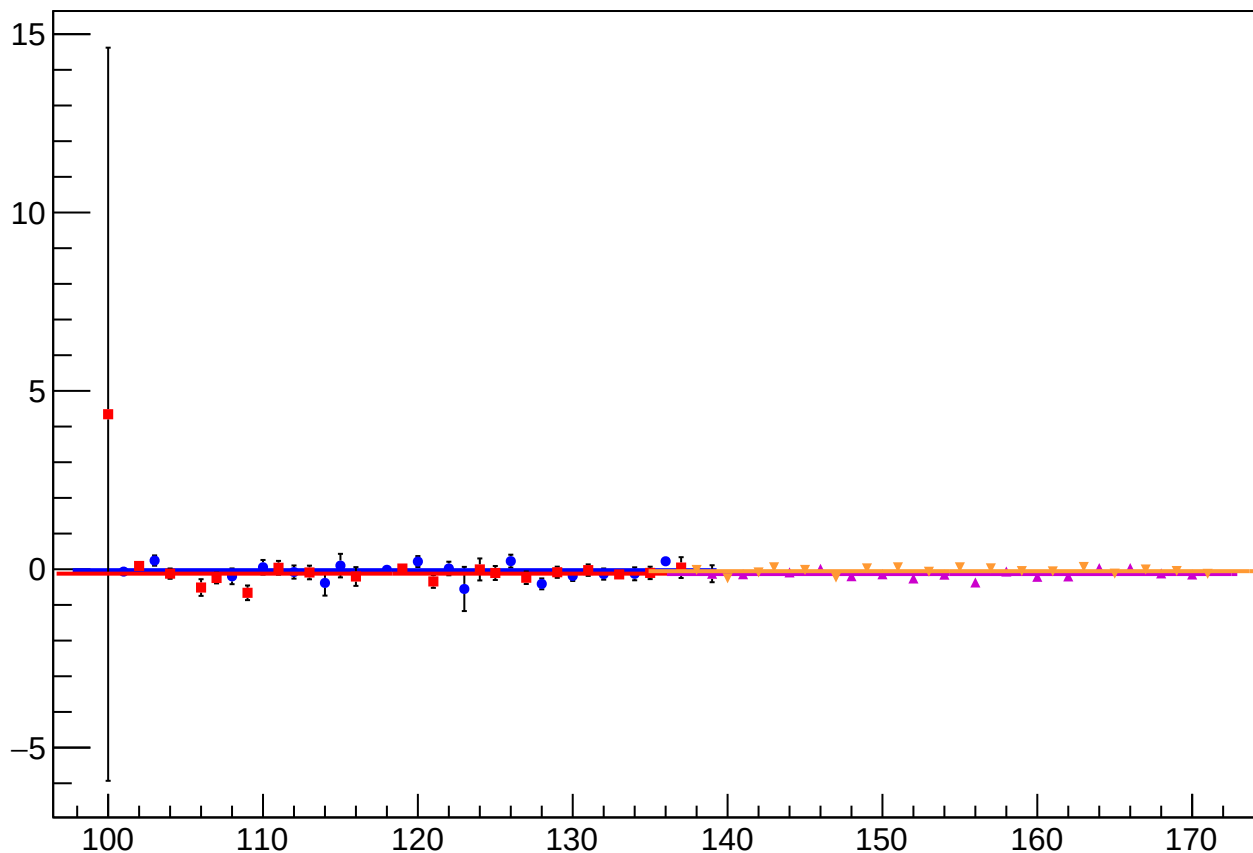
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.018 $\pm$ 0.036 χ^2 /NDF:15.6/15

Out: -0.030 $\pm$ 0.035 χ^2 /NDF:22.6/17

All: -0.024 $\pm$ 0.025 χ^2 /NDF: 38.2/33

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.054 ± 0.025 χ^2/NDF : 17.0/17

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

Left In: -0.135 ± 0.026 χ^2/NDF : 15.1/15

Left: -0.093 ± 0.018 χ^2/NDF : 37.3/33

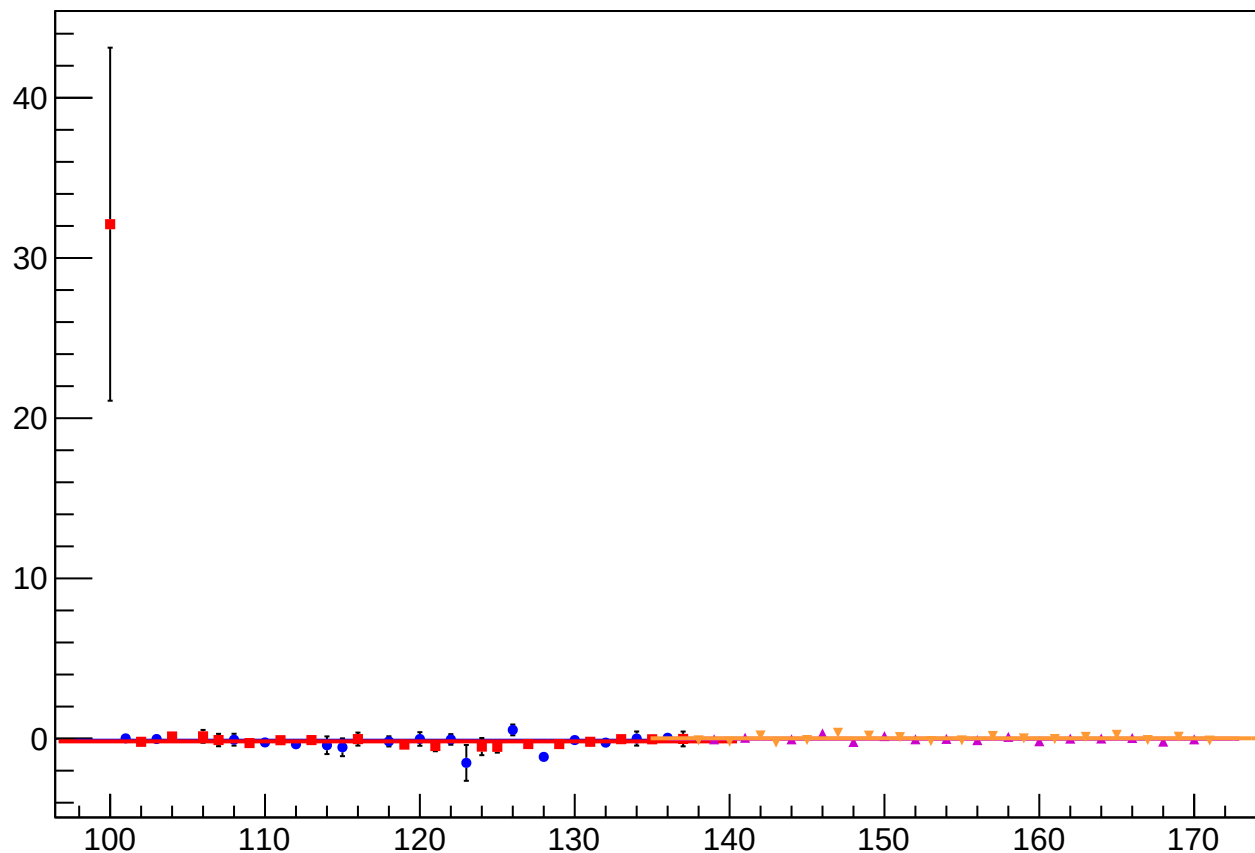
Right: -0.072 ± 0.027 χ^2/NDF : 44.3/35

In: -0.099 ± 0.021 χ^2/NDF : 43.7/32

Out: -0.074 ± 0.021 χ^2/NDF : 37.6/36

All: -0.086 ± 0.015 χ^2/NDF : 82.0/69

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: 0.020 ± 0.034 $\chi^2/\text{NDF}: 22.4/17$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 14.9/18$

Left In: -0.007 ± 0.035 $\chi^2/\text{NDF}: 14.2/15$

Left: 0.007 ± 0.024 $\chi^2/\text{NDF}: 36.9/33$

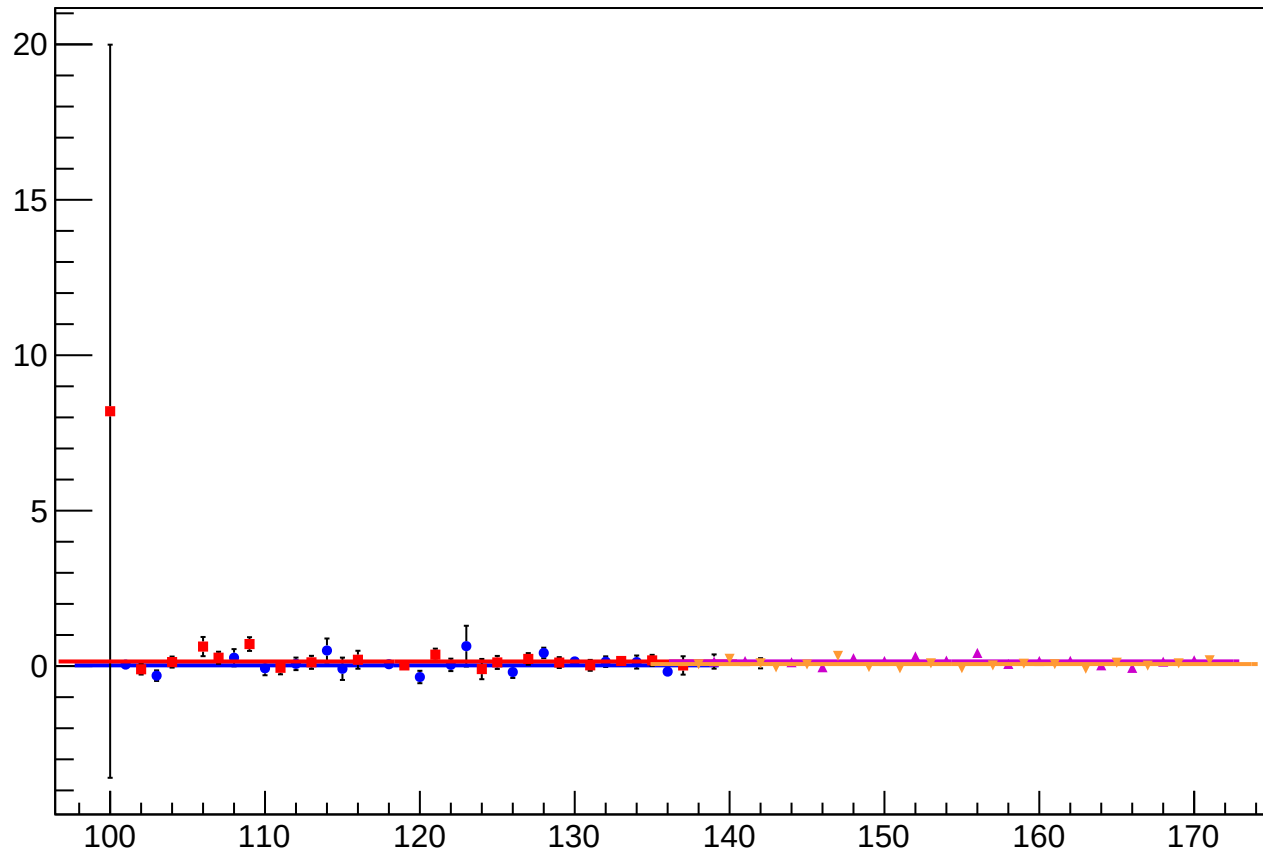
Right: -0.150 ± 0.049 $\chi^2/\text{NDF}: 38.2/35$

In: -0.033 ± 0.031 $\chi^2/\text{NDF}: 39.9/32$

Out: -0.016 ± 0.031 $\chi^2/\text{NDF}: 43.3/36$

All: -0.025 ± 0.022 $\chi^2/\text{NDF}: 83.3/69$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.064+/-0.029 χ^2/NDF :16.6/17

Right Out: 0.148+/-0.045 χ^2/NDF : 16.6/18

Left In: 0.151+/-0.030 χ^2/NDF :14.8/15

Left: 0.105+/-0.021 χ^2/NDF : 35.8/33

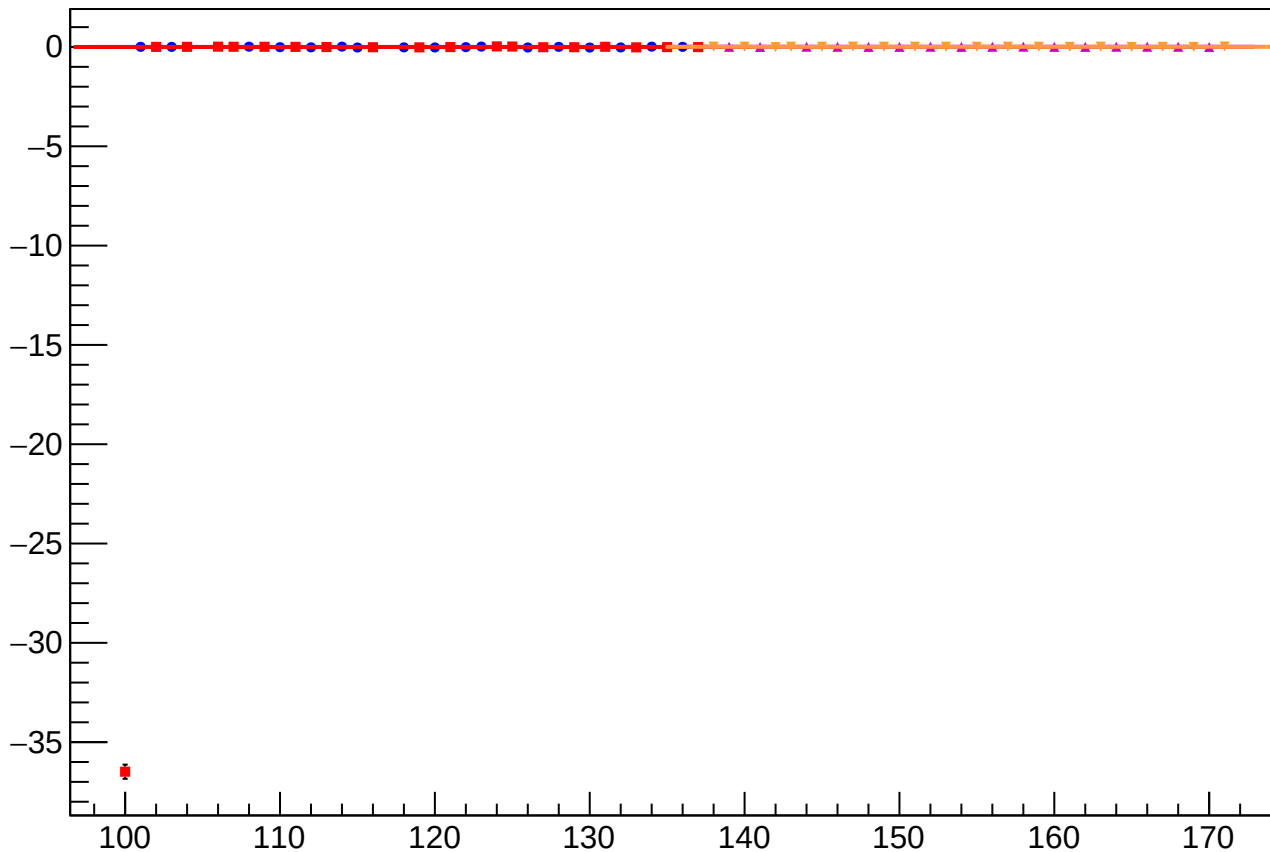
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.108+/-0.025 χ^2/NDF :42.2/32

Out: 0.088+/-0.024 χ^2/NDF :35.7/36

All: 0.098+/-0.017 χ^2/NDF : 78.2/69

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 $\pm$ 0.001 χ^2 /NDF:16.9/17

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF:9.5/15

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 26.5/33

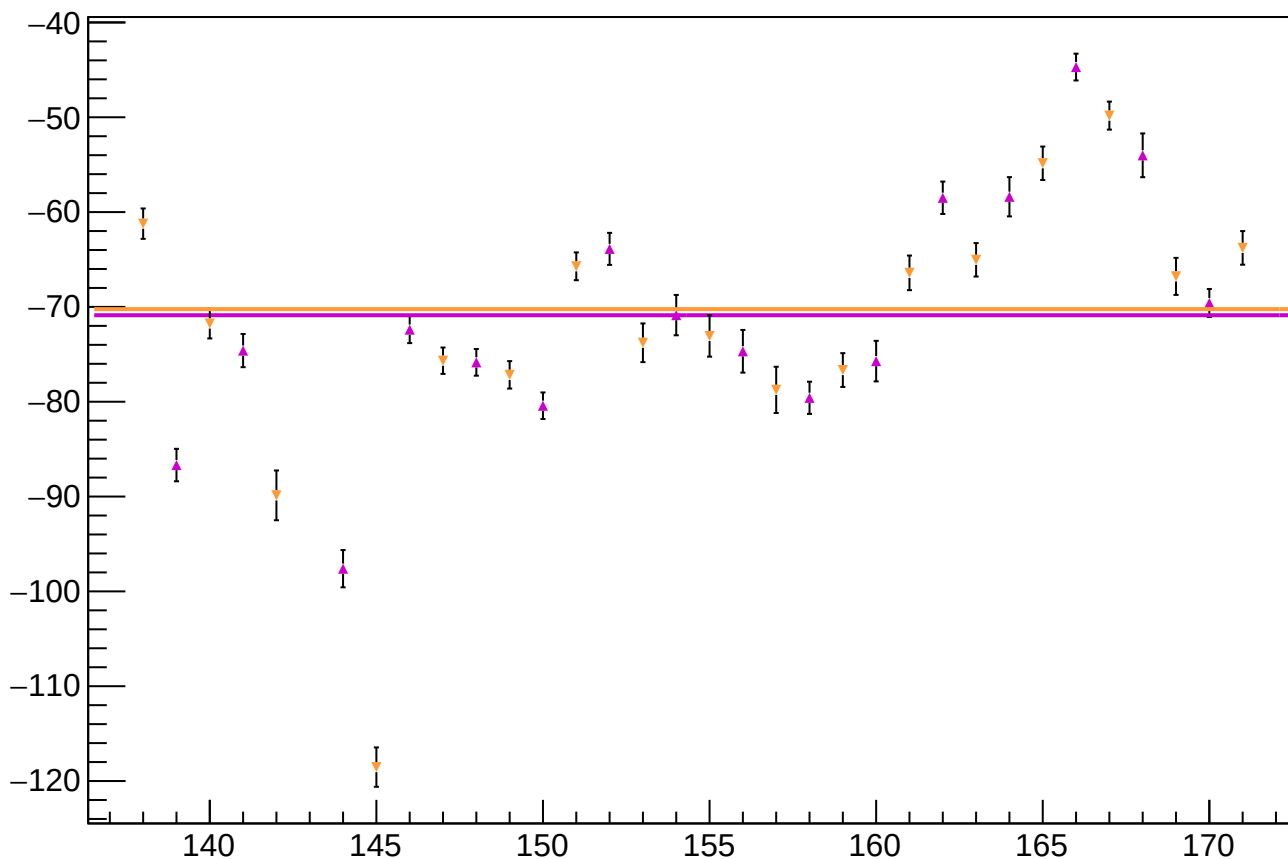
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF:52.1/32

Out: 0.008 $\pm$ 0.001 χ^2 /NDF:10477.5/36

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10529.6/69

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -70.232 $\pm$ 0.425 χ^2 /NDF:1004.5/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -70.876 $\pm$ 0.427 χ^2 /NDF:872.5/15

Left: -70.553 $\pm$ 0.301 χ^2 /NDF: 1878.2/32

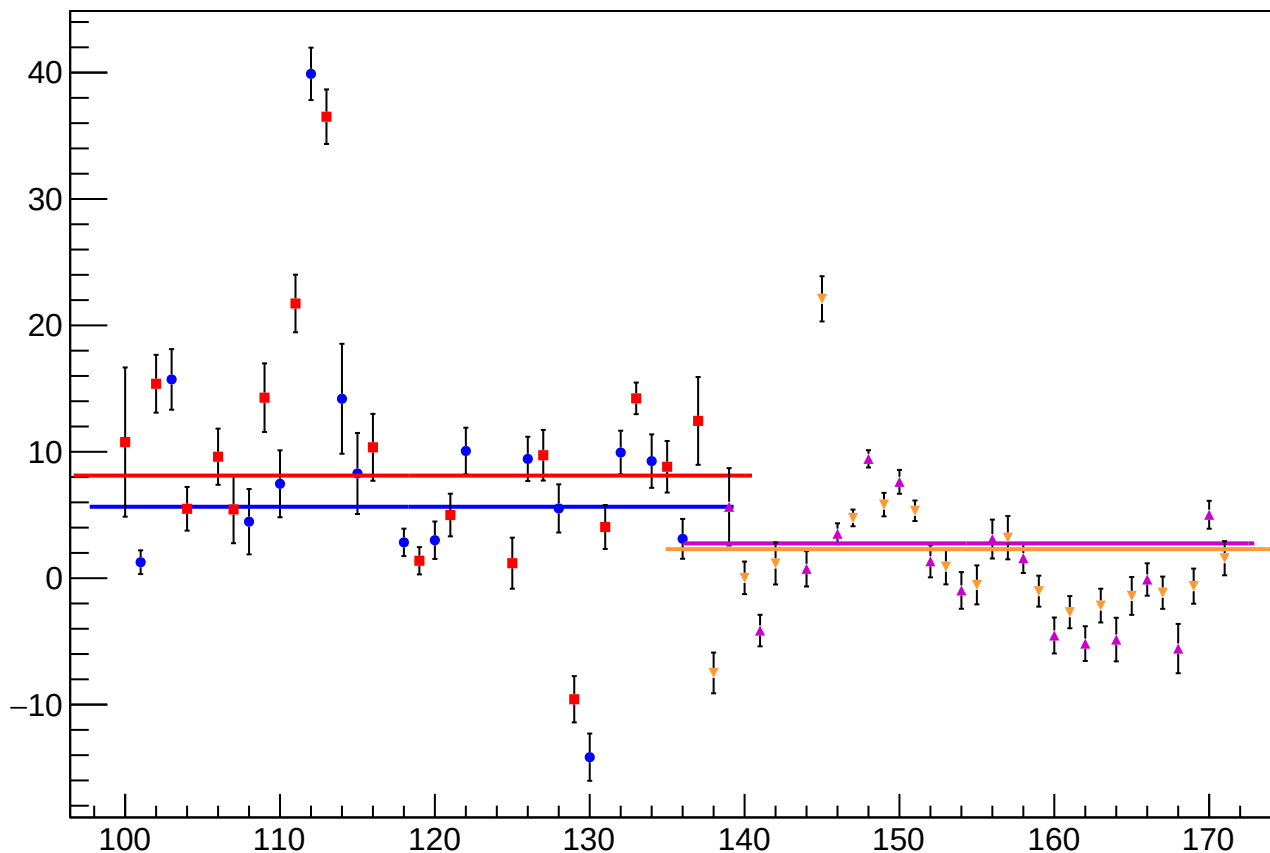
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -70.876 $\pm$ 0.427 χ^2 /NDF:872.5/15

Out: -70.232 $\pm$ 0.425 χ^2 /NDF:1004.5/16

All: -70.553 $\pm$ 0.301 χ^2 /NDF: 1878.2/32

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 $\chi^2/\text{NDF}: 461.9/15$

Left Out: 2.297 ± 0.290 $\chi^2/\text{NDF}: 262.3/16$

Right Out: 8.119 ± 0.453 $\chi^2/\text{NDF}: 407.9/17$

Left In: 2.755 ± 0.297 $\chi^2/\text{NDF}: 272.5/15$

Left: 2.520 ± 0.208 $\chi^2/\text{NDF}: 536.0/32$

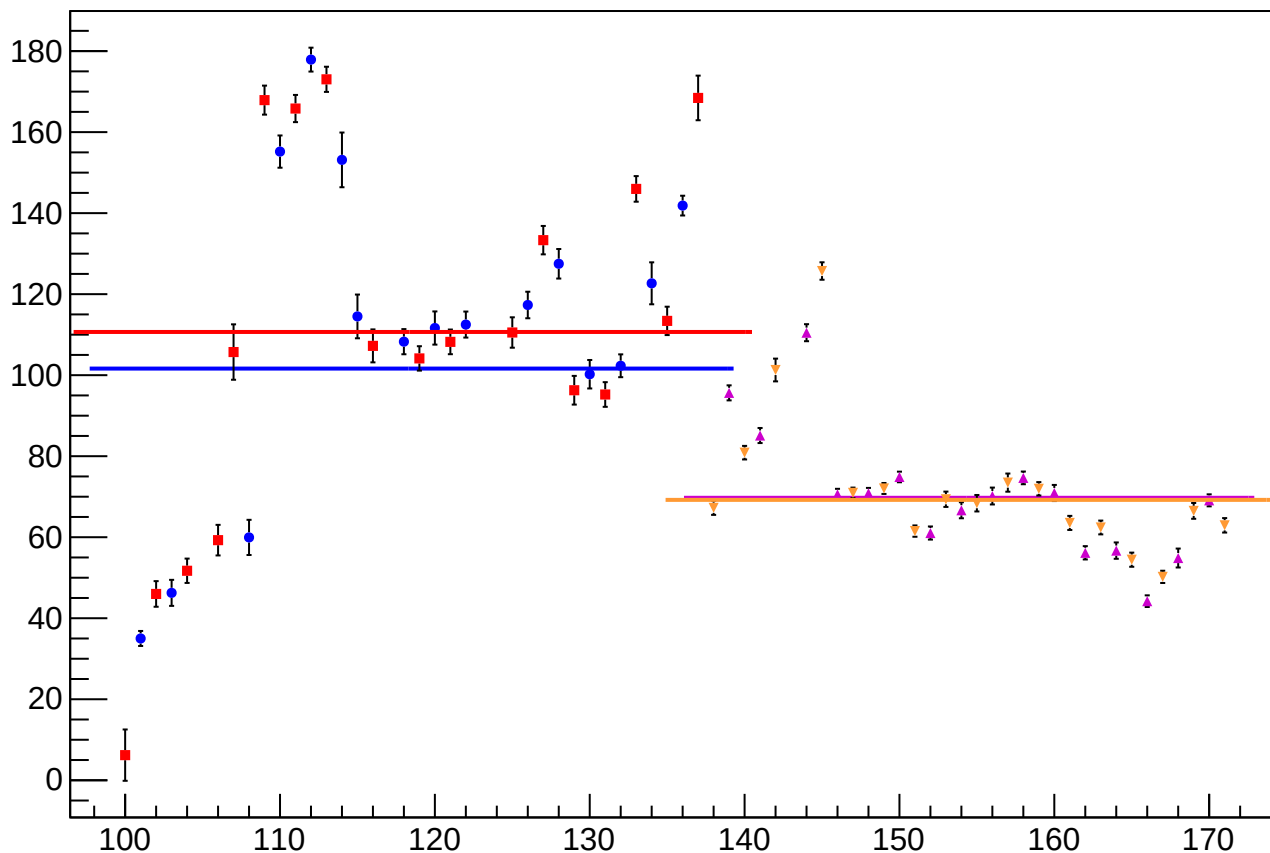
Right: 6.819 ± 0.311 $\chi^2/\text{NDF}: 885.4/33$

In: 3.695 ± 0.244 $\chi^2/\text{NDF}: 765.1/31$

Out: 3.992 ± 0.244 $\chi^2/\text{NDF}: 787.5/34$

All: 3.843 ± 0.173 $\chi^2/\text{NDF}: 1553.4/66$

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: 69.217 $\pm$ 0.416 χ^2 /NDF:1180.8/16

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

Left In: 69.731 $\pm$ 0.416 χ^2 /NDF:1162.1/15

Left: 69.474 $\pm$ 0.294 χ^2 /NDF: 2343.6/32

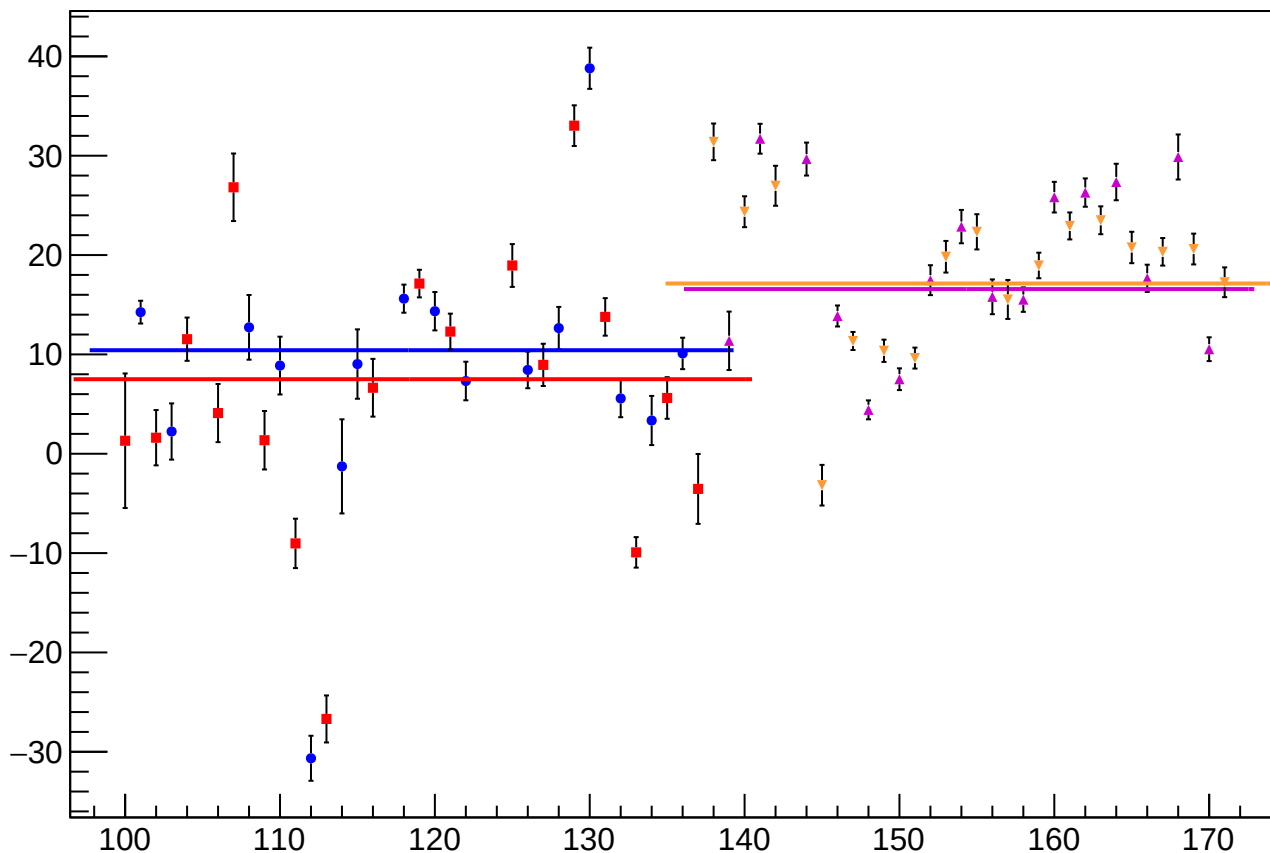
Right: 106.018 $\pm$ 0.583 χ^2 /NDF: 5554.3/33

In: 76.370 $\pm$ 0.370 χ^2 /NDF:5364.2/31

Out: 77.437 $\pm$ 0.372 χ^2 /NDF:5665.3/34

All: 76.901 $\pm$ 0.263 χ^2 /NDF: 11033.6/66

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 17.136 $\pm$ 0.343 χ^2 /NDF: 399.7/16

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

Left In: 16.575 $\pm$ 0.350 χ^2 /NDF: 597.1/15

Left: 16.861 $\pm$ 0.245 χ^2 /NDF: 998.1/32

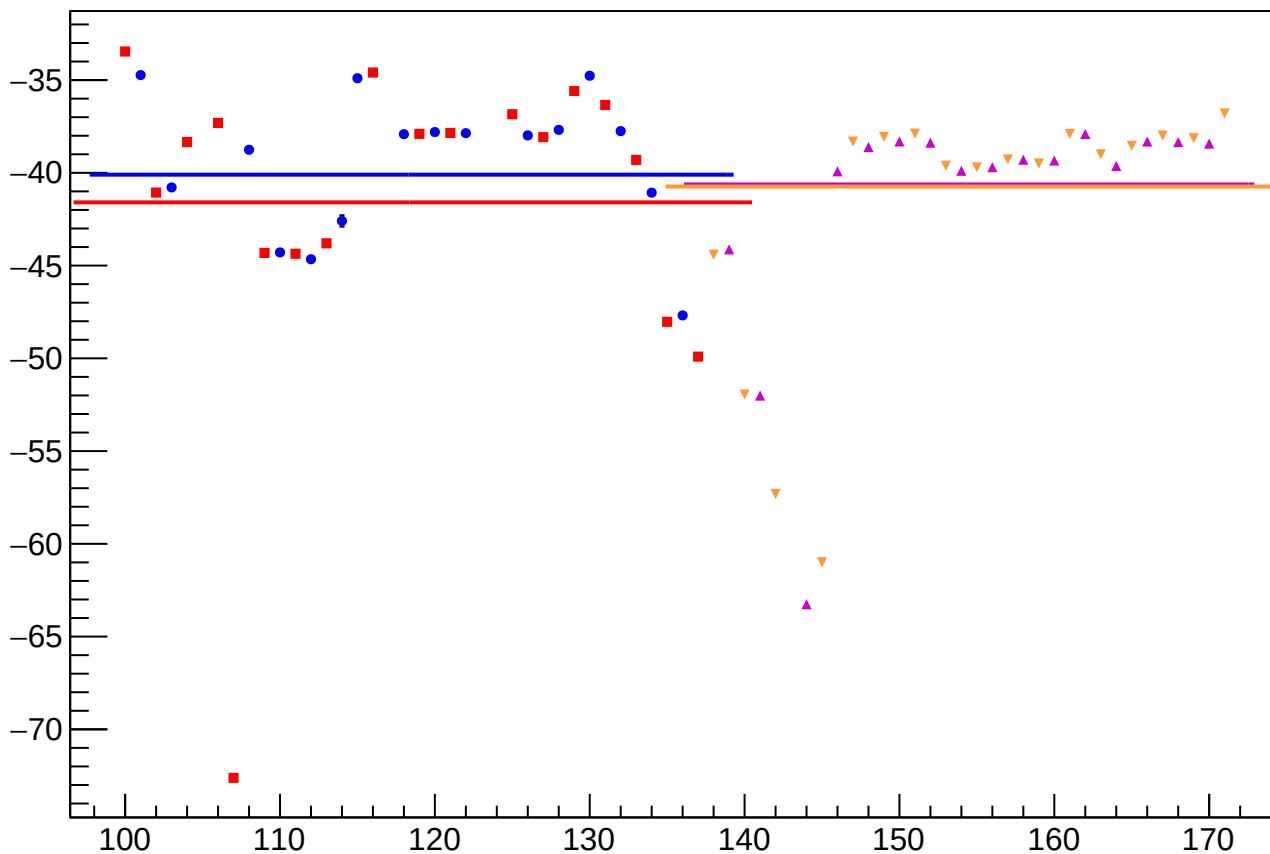
Right: 9.035 $\pm$ 0.360 χ^2 /NDF: 1285.5/33

In: 14.536 $\pm$ 0.286 χ^2 /NDF: 1279.3/31

Out: 14.242 $\pm$ 0.287 χ^2 /NDF: 1326.3/34

All: 14.389 $\pm$ 0.203 χ^2 /NDF: 2606.1/66

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: -40.738 ± 0.016 χ^2/NDF : 121969.1/16

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

Left In: -40.626 ± 0.017 χ^2/NDF : 97015.9/15

Left: -40.682 ± 0.012 χ^2/NDF : 219008.4/32

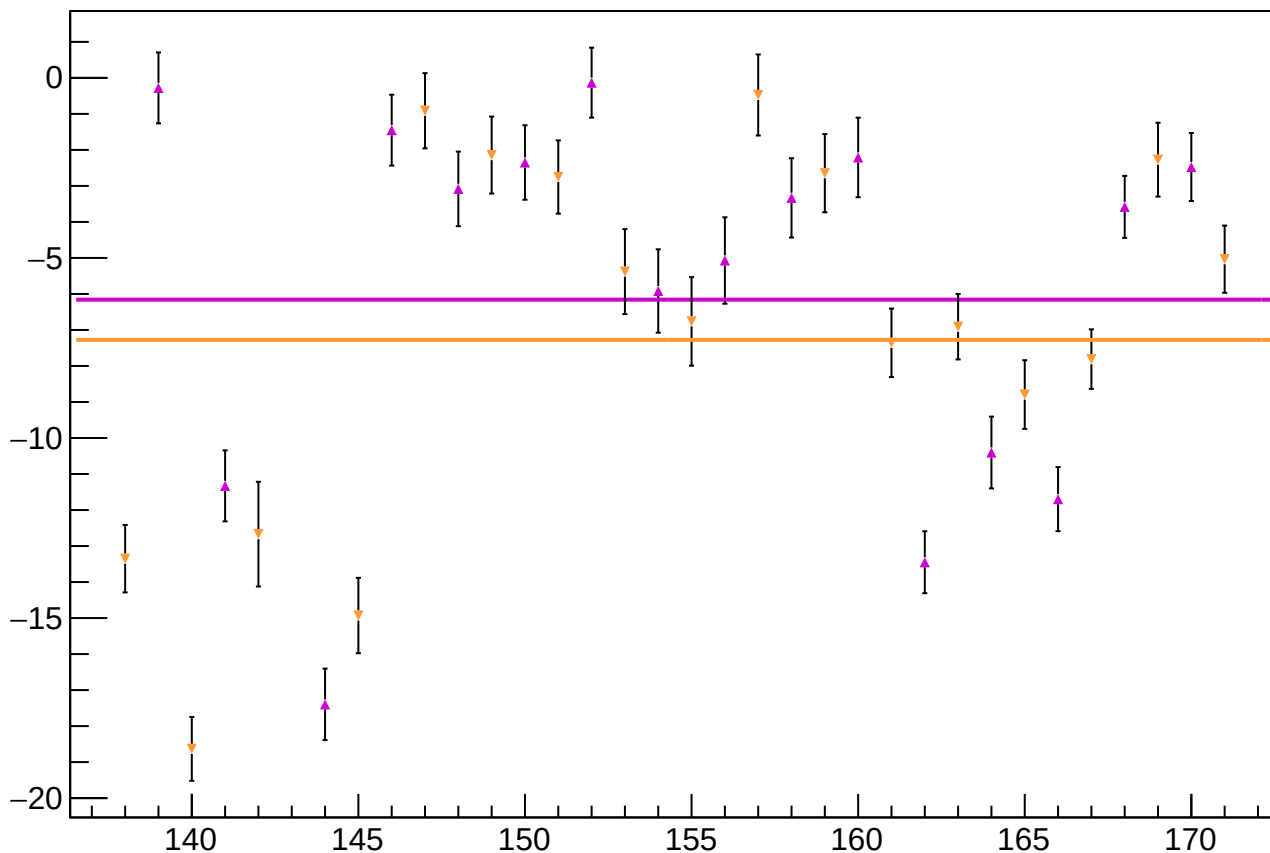
Right: -40.838 ± 0.020 χ^2/NDF : 88129.3/33

In: -40.492 ± 0.014 χ^2/NDF : 122348.1/31

Out: -40.952 ± 0.014 χ^2/NDF : 184315.8/34

All: -40.721 ± 0.010 χ^2/NDF : 307182.6/66

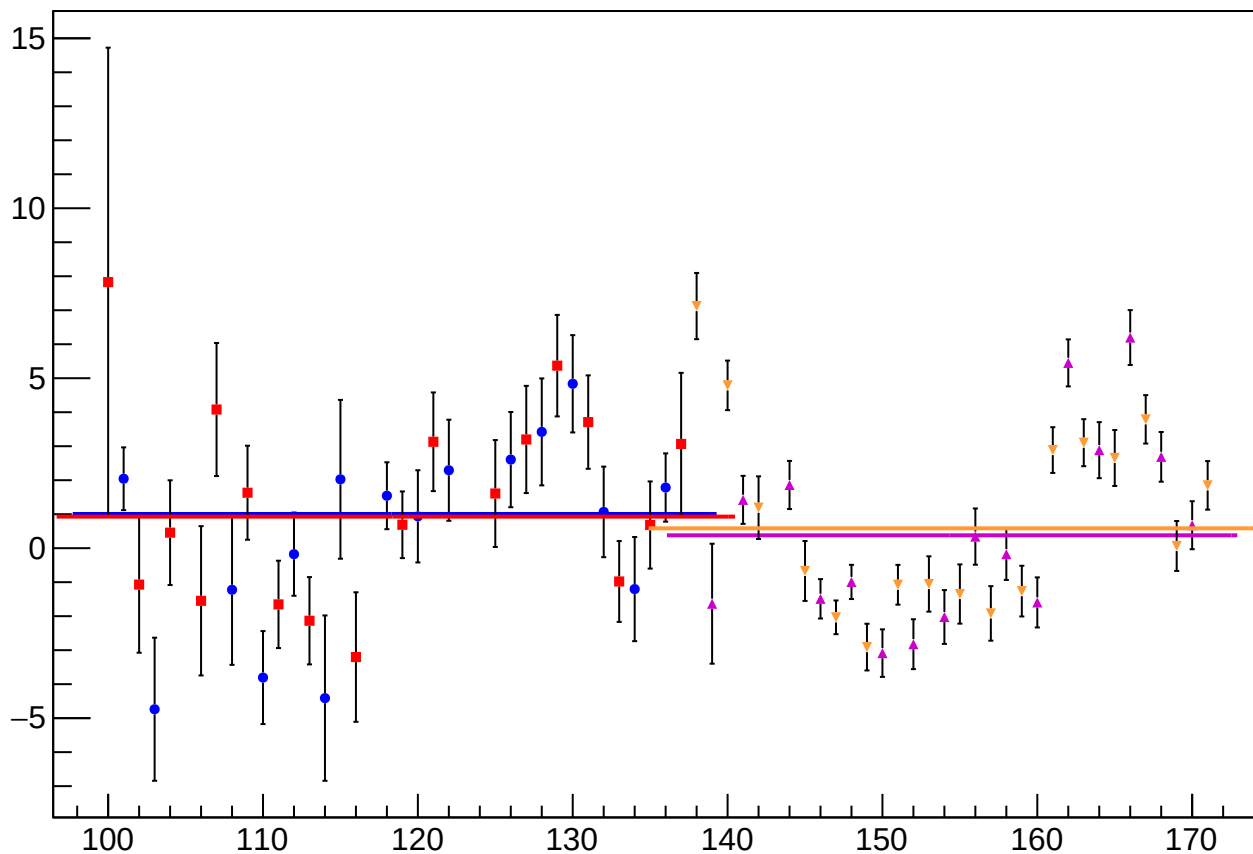
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.275 $\pm$ 0.246 χ^2 /NDF:443.6/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.158 $\pm$ 0.248 χ^2 /NDF:448.4/15

Left: -6.722 $\pm$ 0.175 χ^2 /NDF: 902.2/32
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.158 $\pm$ 0.248 χ^2 /NDF:448.4/15
 Out: -7.275 $\pm$ 0.246 χ^2 /NDF:443.6/16
 All: -6.722 $\pm$ 0.175 χ^2 /NDF: 902.2/32

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 $\pm$ 0.342 χ^2/NDF : 42.7/15

Left Out: 0.584 $\pm$ 0.176 χ^2/NDF :222.6/16

Right Out: 0.929 $\pm$ 0.353 χ^2/NDF : 41.9/17

Left In: 0.379 $\pm$ 0.180 χ^2/NDF :211.3/15

Left: 0.484 $\pm$ 0.126 χ^2/NDF : 434.6/32

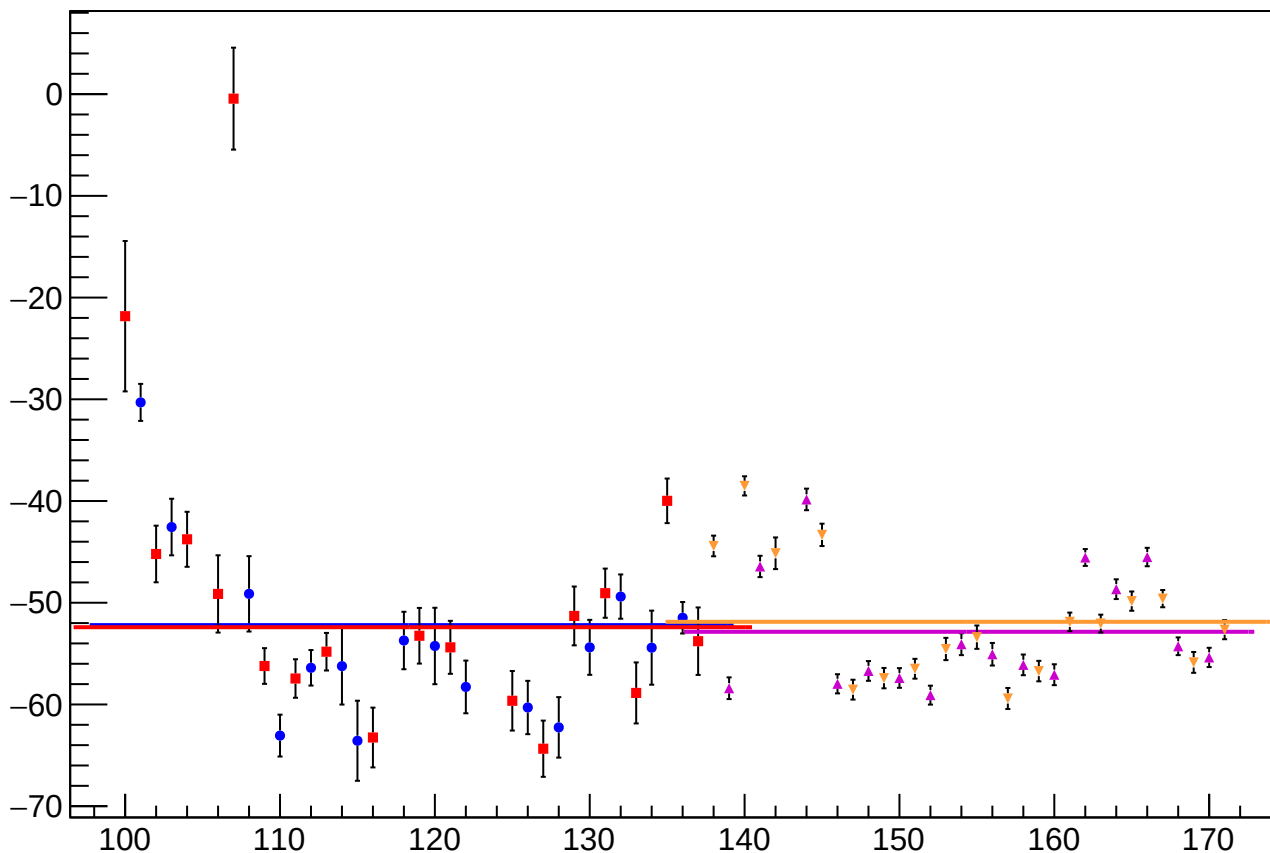
Right: 0.969 $\pm$ 0.246 χ^2/NDF : 84.6/33

In: 0.516 $\pm$ 0.159 χ^2/NDF :256.7/31

Out: 0.653 $\pm$ 0.158 χ^2/NDF :265.2/34

All: 0.585 $\pm$ 0.112 χ^2/NDF : 522.3/66

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

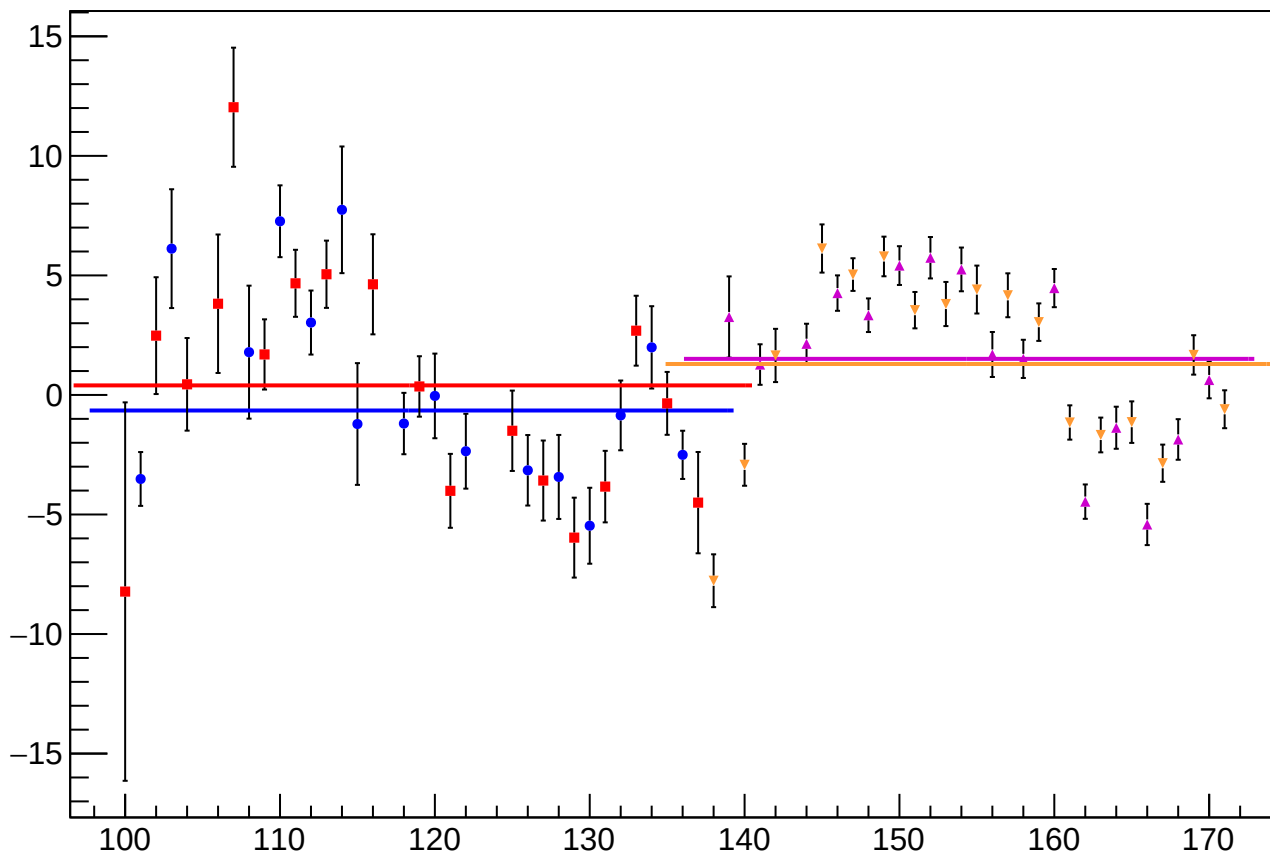


Right In: -52.200 ± 0.615 $\chi^2/\text{NDF}: 230.6/15$
 Left Out: -51.873 ± 0.242 $\chi^2/\text{NDF}: 544.9/16$
 Right Out: -52.407 ± 0.616 $\chi^2/\text{NDF}: 233.9/17$
 Left In: -52.856 ± 0.244 $\chi^2/\text{NDF}: 531.3/15$

Left: -52.362 ± 0.172 $\chi^2/\text{NDF}: 1084.4/32$
 Right: -52.303 ± 0.435 $\chi^2/\text{NDF}: 464.6/33$
 In: -52.767 ± 0.226 $\chi^2/\text{NDF}: 763.0/31$
 Out: -51.945 ± 0.225 $\chi^2/\text{NDF}: 779.4/34$

All: -52.354 ± 0.160 $\chi^2/\text{NDF}: 1549.0/66$

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: 1.294 ± 0.204 χ^2/NDF : 284.0/16

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

Left In: 1.510 ± 0.209 χ^2/NDF : 261.0/15

Left: 1.399 ± 0.146 χ^2/NDF : 545.5/32

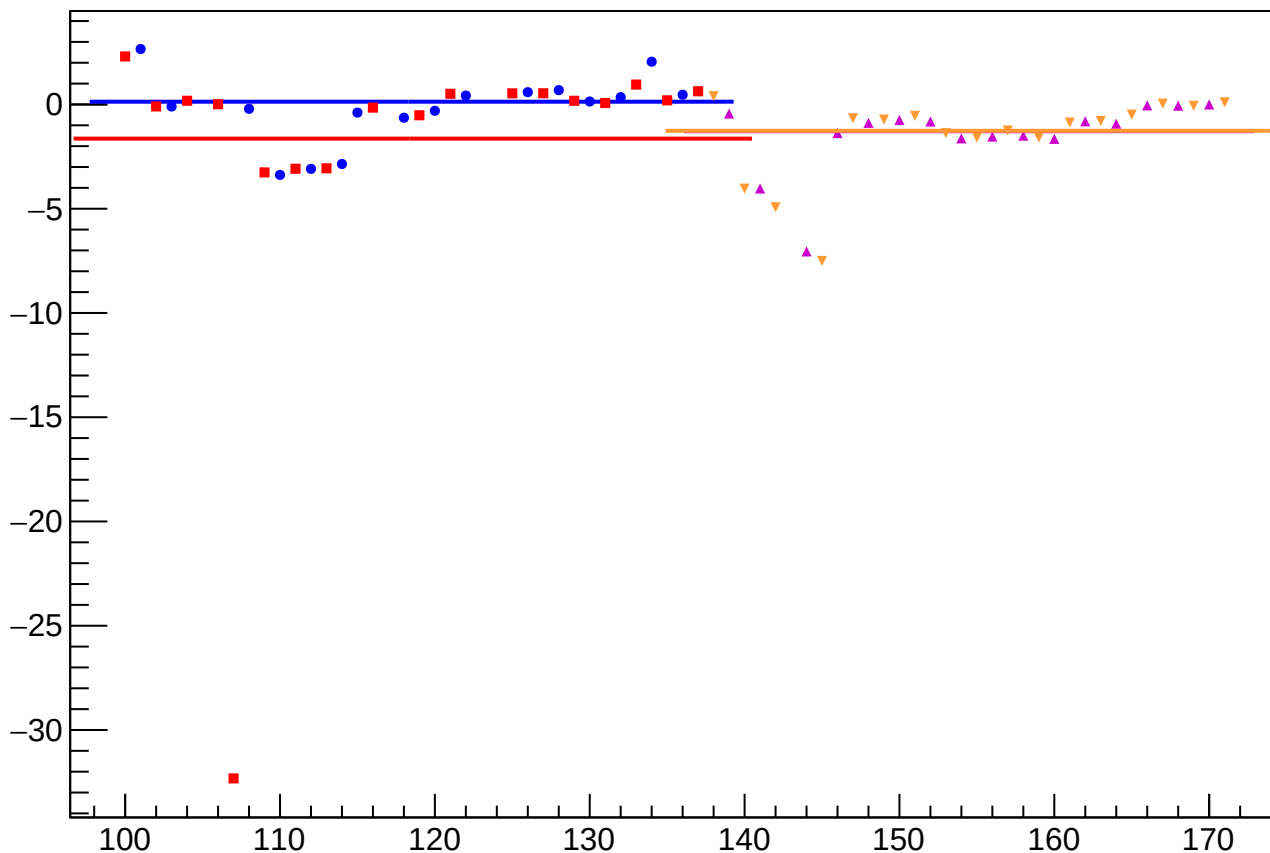
Right: -0.142 ± 0.278 χ^2/NDF : 181.4/33

In: 1.023 ± 0.184 χ^2/NDF : 367.0/31

Out: 1.110 ± 0.181 χ^2/NDF : 383.9/34

All: 1.067 ± 0.129 χ^2/NDF : 751.0/66

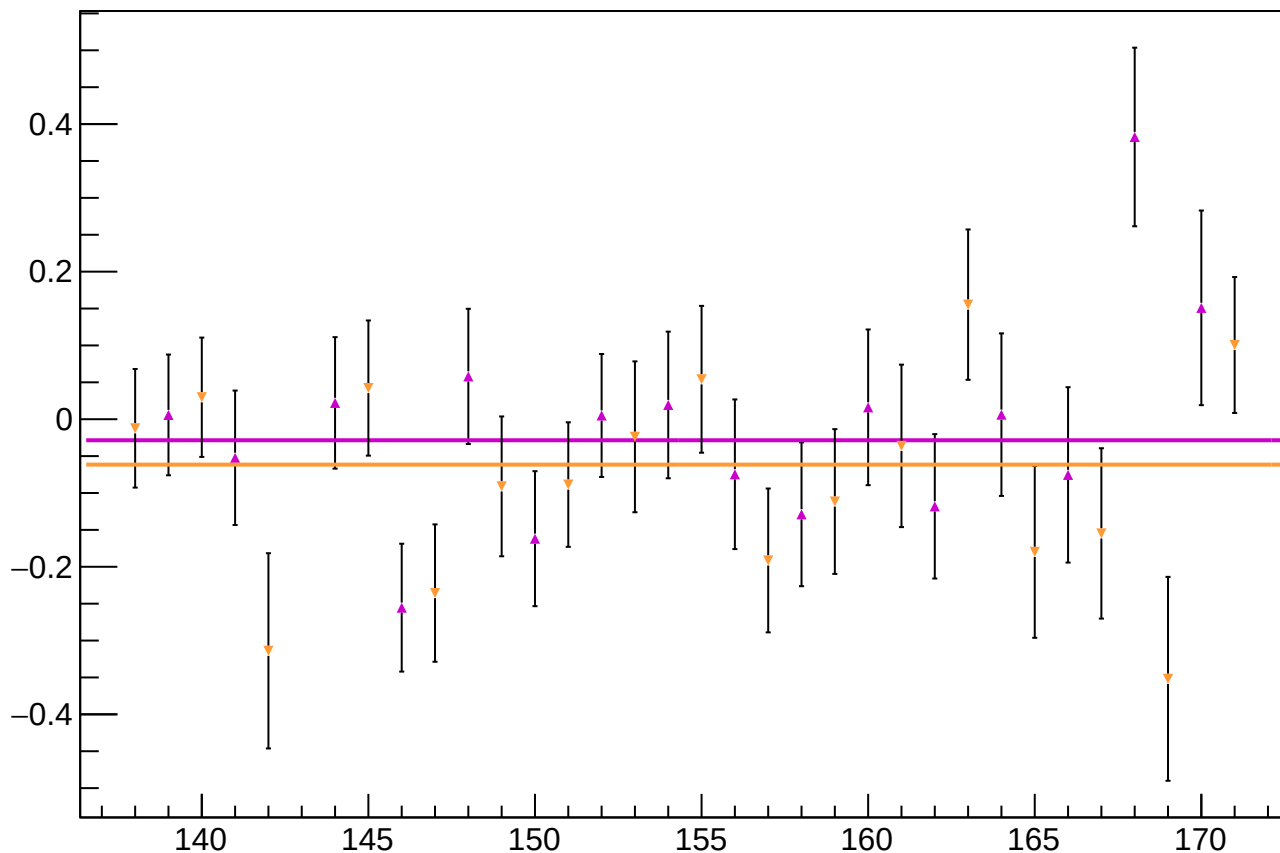
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$
 Left Out: -1.264 ± 0.009 $\chi^2/\text{NDF}: 36289.5/16$
 Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$
 Left In: -1.284 ± 0.010 $\chi^2/\text{NDF}: 24883.1/15$

Left: -1.273 ± 0.007 $\chi^2/\text{NDF}: 61174.8/32$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -1.052 ± 0.009 $\chi^2/\text{NDF}: 33733.7/31$
 Out: -1.322 ± 0.009 $\chi^2/\text{NDF}: 114385.5/34$
 All: -1.188 ± 0.006 $\chi^2/\text{NDF}: 148605.2/66$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.062+/-0.024 χ^2/NDF : 27.6/16

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

Left In: -0.029+/-0.024 χ^2/NDF : 26.8/15

Left: -0.045+/-0.017 χ^2/NDF : 55.3/32

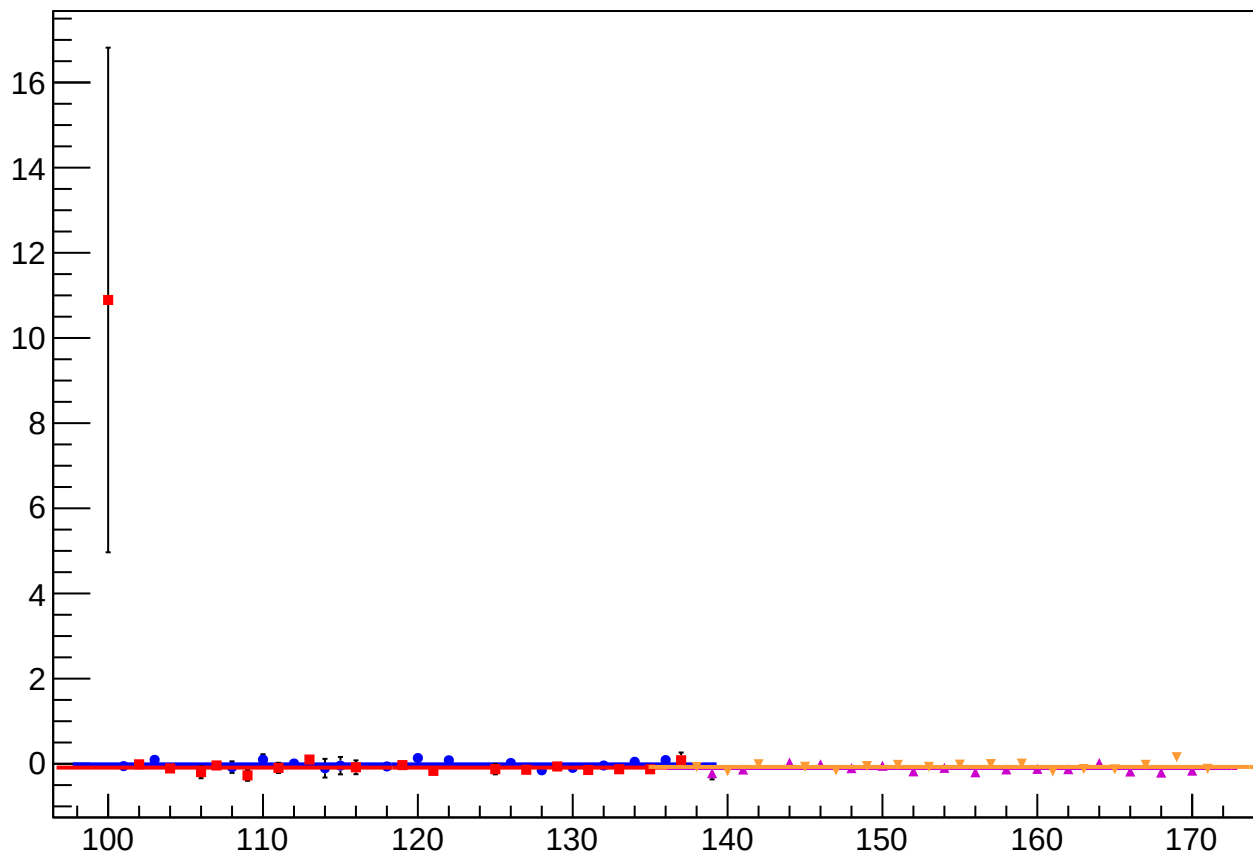
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.029+/-0.024 χ^2/NDF : 26.8/15

Out: -0.062+/-0.024 χ^2/NDF : 27.6/16

All: -0.045+/-0.017 χ^2/NDF : 55.3/32

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013+/-0.023 χ^2/NDF : 11.7/15

Left Out: -0.074+/-0.017 χ^2/NDF : 18.8/16

Right Out: -0.089+/-0.025 χ^2/NDF : 13.0/17

Left In: -0.099+/-0.017 χ^2/NDF : 16.3/15

Left: -0.086+/-0.012 χ^2/NDF : 36.2/32

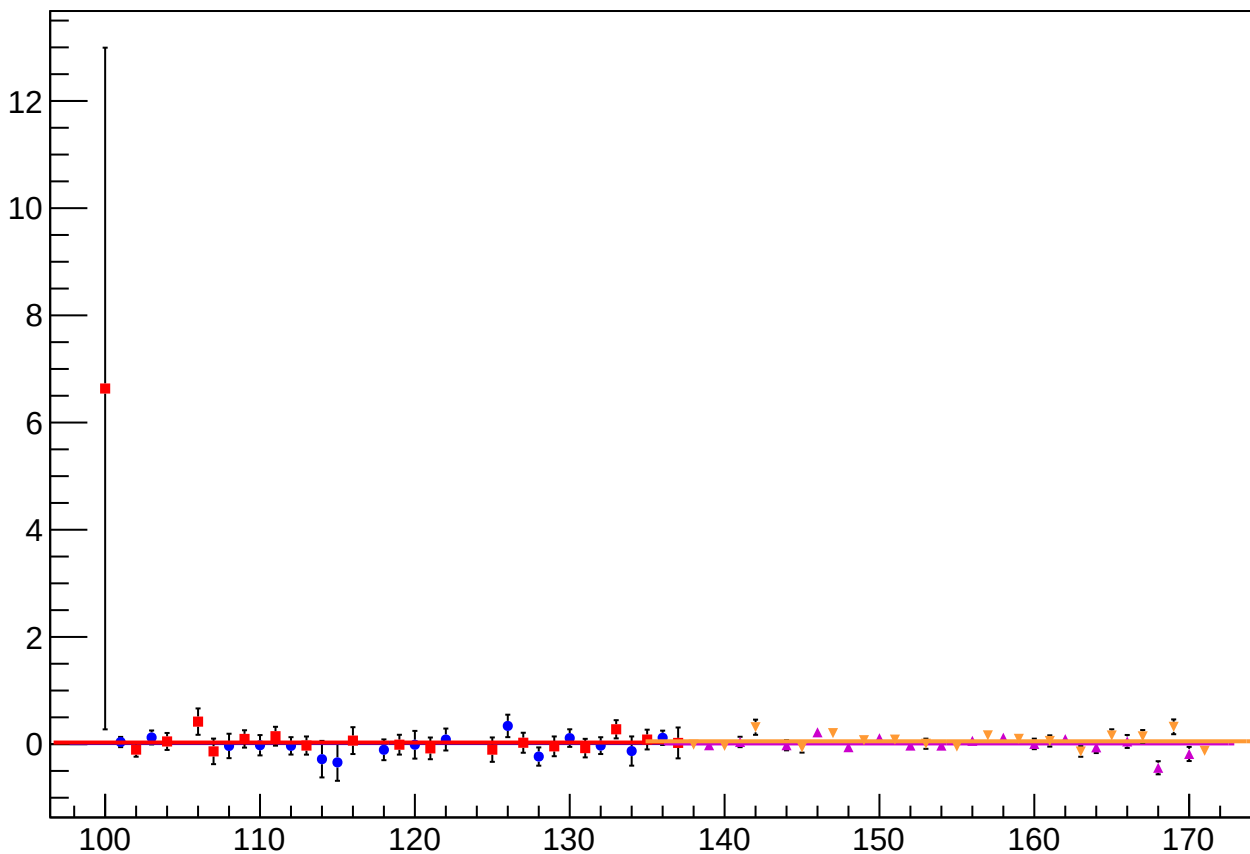
Right: -0.049+/-0.017 χ^2/NDF : 29.6/33

In: -0.069+/-0.014 χ^2/NDF : 36.7/31

Out: -0.078+/-0.014 χ^2/NDF : 32.0/34

All: -0.074+/-0.010 χ^2/NDF : 68.9/66

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: 0.053+/-0.023 χ^2/NDF :25.5/16

Right Out: 0.030+/-0.045 χ^2/NDF : 9.2/17

Left In: 0.013+/-0.024 χ^2/NDF :27.9/15

Left: 0.033+/-0.017 χ^2/NDF : 54.8/32

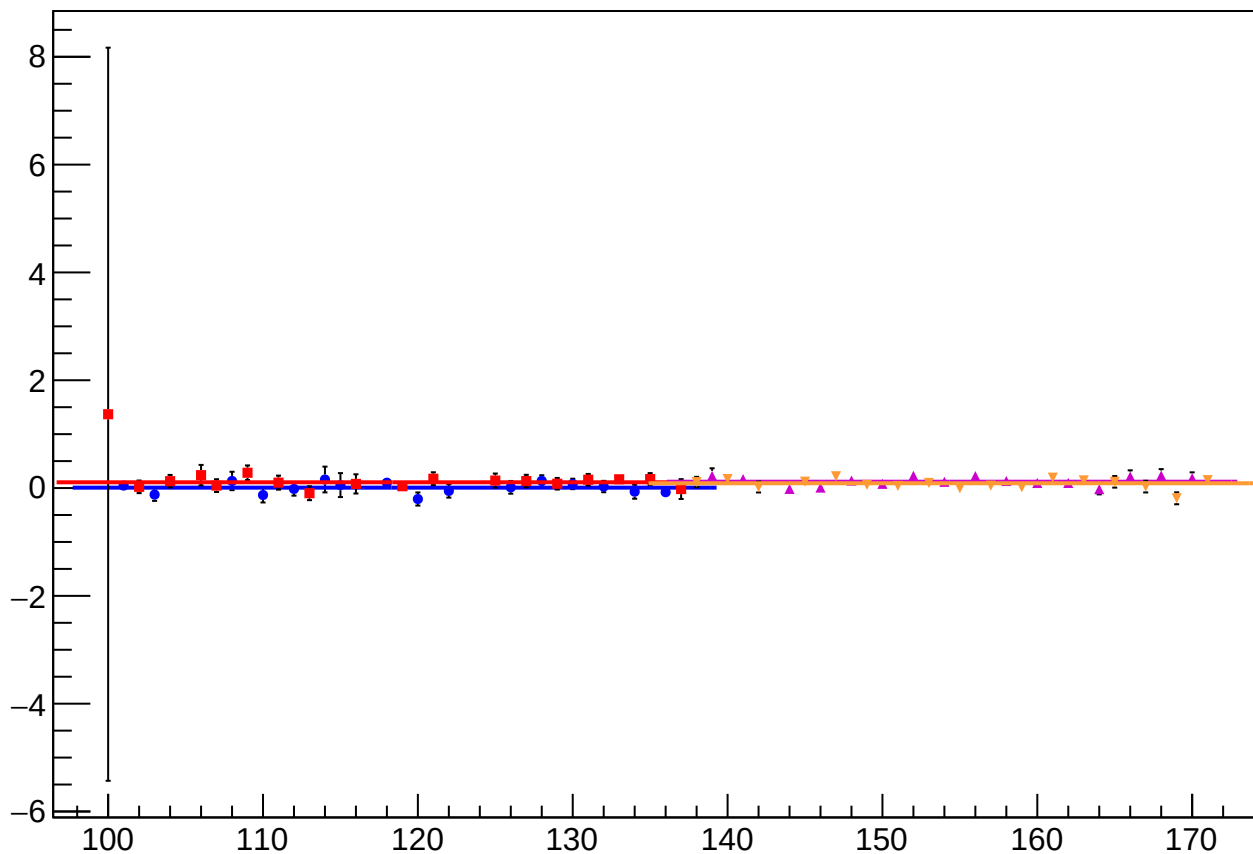
Right: 0.025+/-0.031 χ^2/NDF : 18.3/33

In: 0.014+/-0.021 χ^2/NDF :37.0/31

Out: 0.048+/-0.021 χ^2/NDF :34.9/34

All: 0.031+/-0.015 χ^2/NDF : 73.2/66

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007+/-0.027 χ^2/NDF : 11.3/15

Left Out: 0.089+/-0.020 χ^2/NDF : 18.8/16

Right Out: 0.107+/-0.029 χ^2/NDF : 8.2/17

Left In: 0.118+/-0.020 χ^2/NDF : 15.4/15

Left: 0.103+/-0.014 χ^2/NDF : 35.3/32

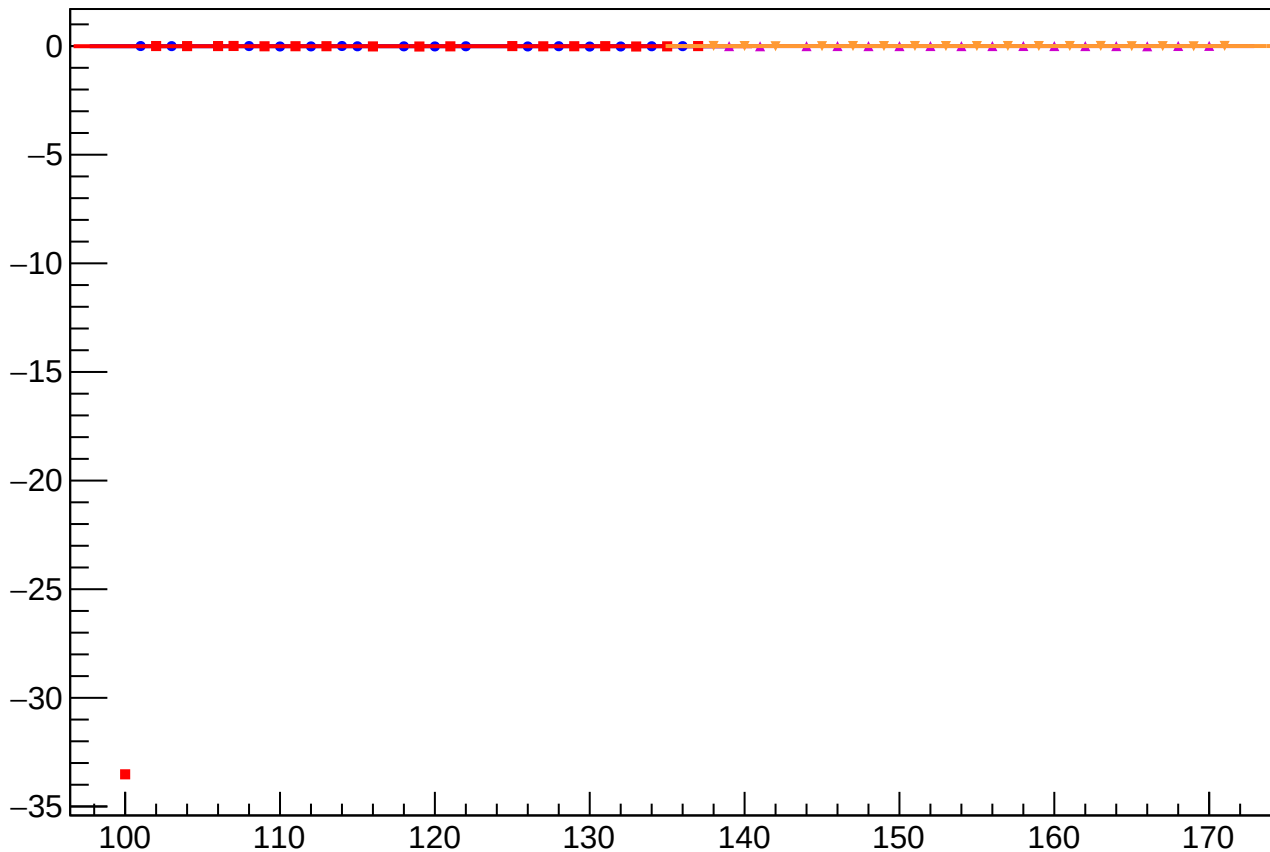
Right: 0.054+/-0.020 χ^2/NDF : 25.8/33

In: 0.078+/-0.016 χ^2/NDF : 37.3/31

Out: 0.095+/-0.016 χ^2/NDF : 27.3/34

All: 0.086+/-0.011 χ^2/NDF : 65.1/66

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 17.4/16

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.7/17

Left In: 0.000 ± 0.001 χ^2/NDF : 15.0/15

Left: 0.001 ± 0.001 χ^2/NDF : 32.7/32

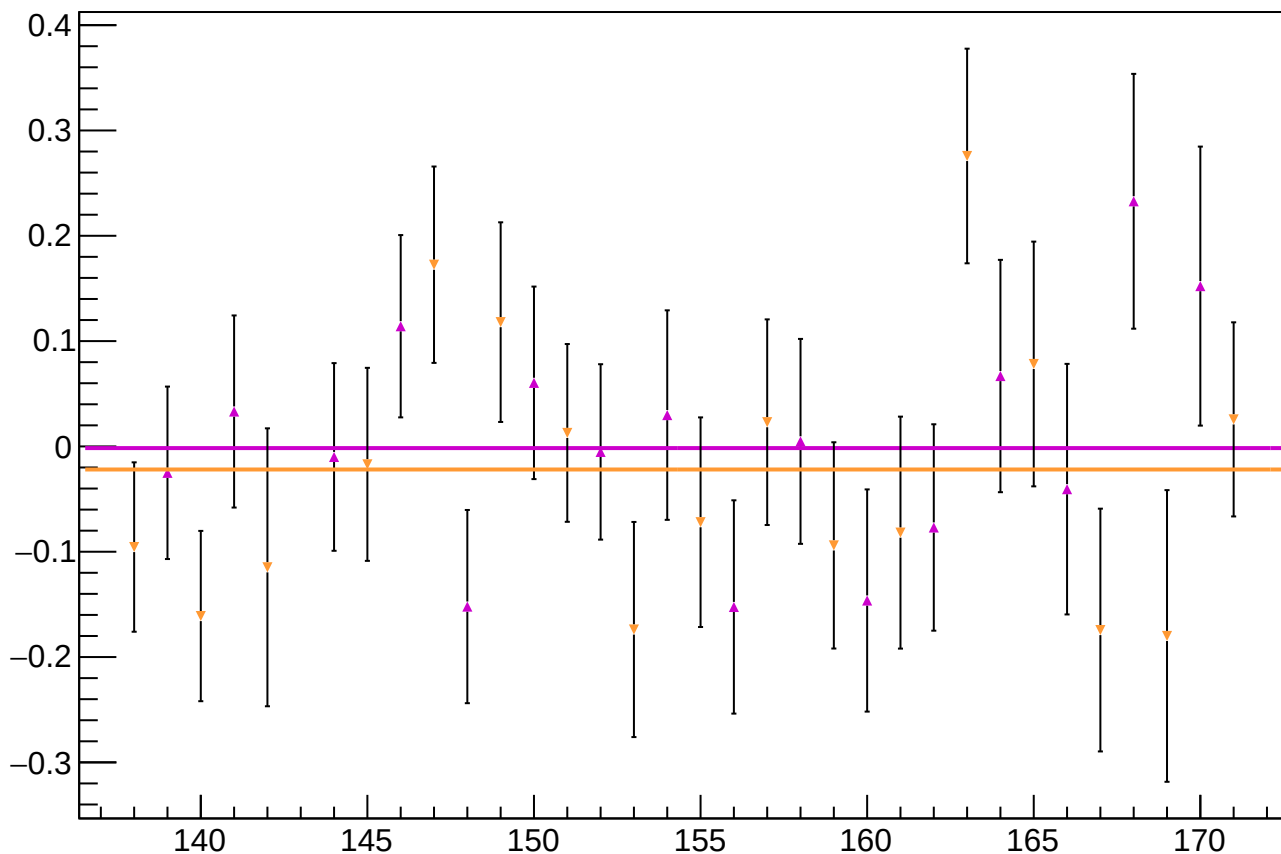
Right: -0.006 ± 0.001 χ^2/NDF : 26530.6/33

In: -0.001 ± 0.001 χ^2/NDF : 47.9/31

Out: -0.001 ± 0.001 χ^2/NDF : 26542.8/34

All: -0.001 ± 0.001 χ^2/NDF : 26590.9/66

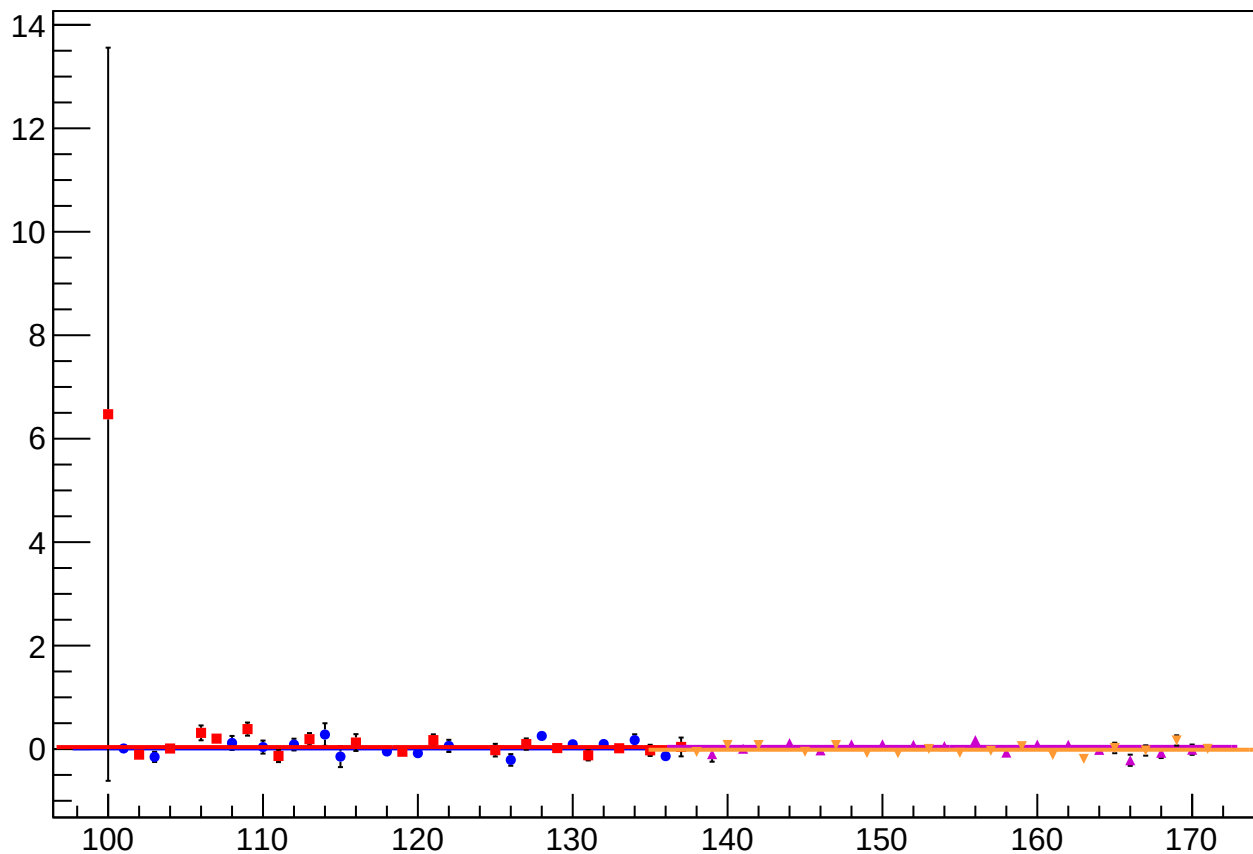
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.022 $\pm$ 0.024 χ^2 /NDF:27.1/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.002 $\pm$ 0.024 χ^2 /NDF:15.6/15

Left: -0.012 $\pm$ 0.017 χ^2 /NDF: 43.0/32
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.002 $\pm$ 0.024 χ^2 /NDF:15.6/15
 Out: -0.022 $\pm$ 0.024 χ^2 /NDF:27.1/16
 All: -0.012 $\pm$ 0.017 χ^2 /NDF: 43.0/32

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: -0.013 $\pm$ 0.017 χ^2 /NDF:23.0/16

Right Out: 0.038 $\pm$ 0.025 χ^2 /NDF: 28.4/17

Left In: 0.042 $\pm$ 0.017 χ^2 /NDF:21.0/15

Left: 0.014 $\pm$ 0.012 χ^2 /NDF: 49.3/32

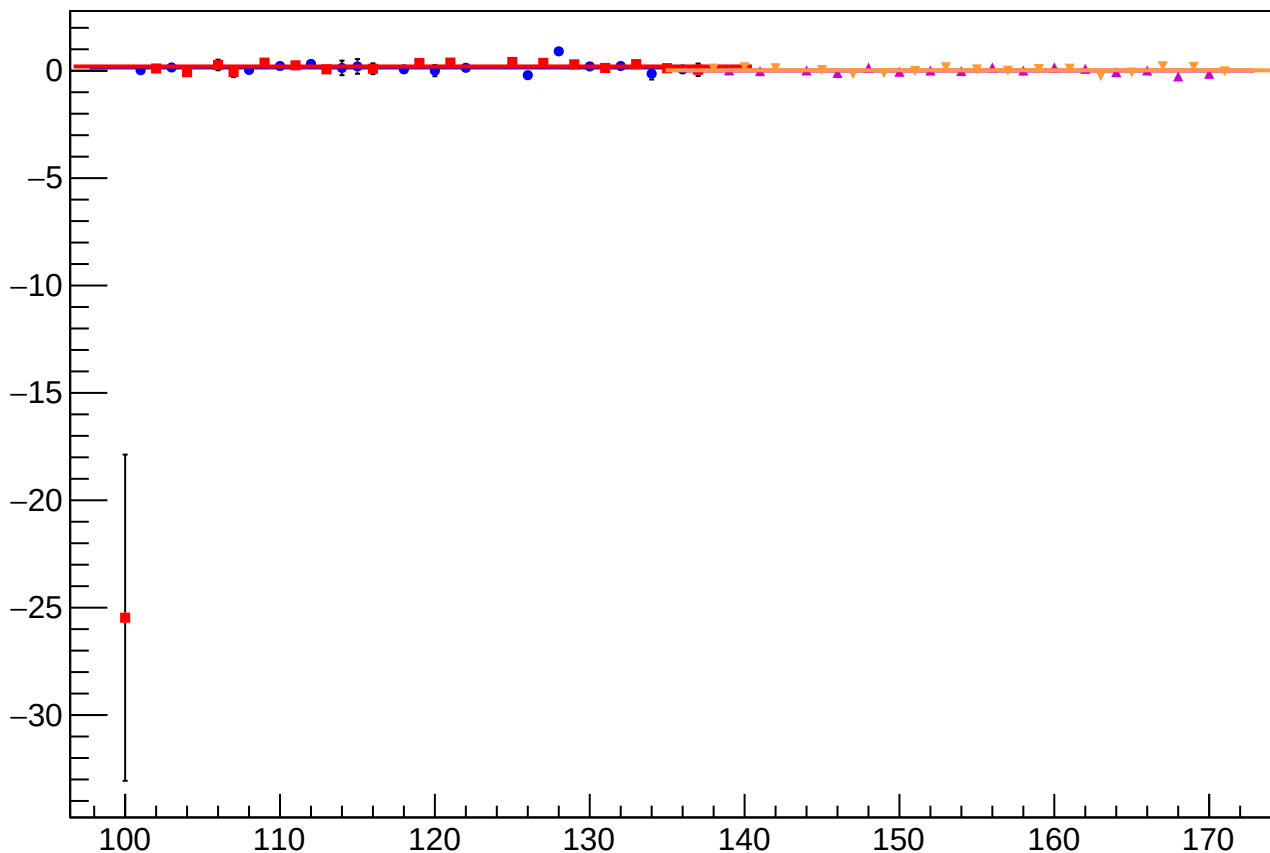
Right: 0.025 $\pm$ 0.017 χ^2 /NDF: 54.0/33

In: 0.032 $\pm$ 0.014 χ^2 /NDF:47.1/31

Out: 0.003 $\pm$ 0.014 χ^2 /NDF:54.4/34

All: 0.017 $\pm$ 0.010 χ^2 /NDF: 103.6/66

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: 0.022+/-0.023 χ^2/NDF : 26.6/16

Right Out: 0.201+/-0.045 χ^2/NDF : 22.6/17

Left In: 0.010+/-0.024 χ^2/NDF : 17.2/15

Left: 0.016+/-0.017 χ^2/NDF : 43.9/32

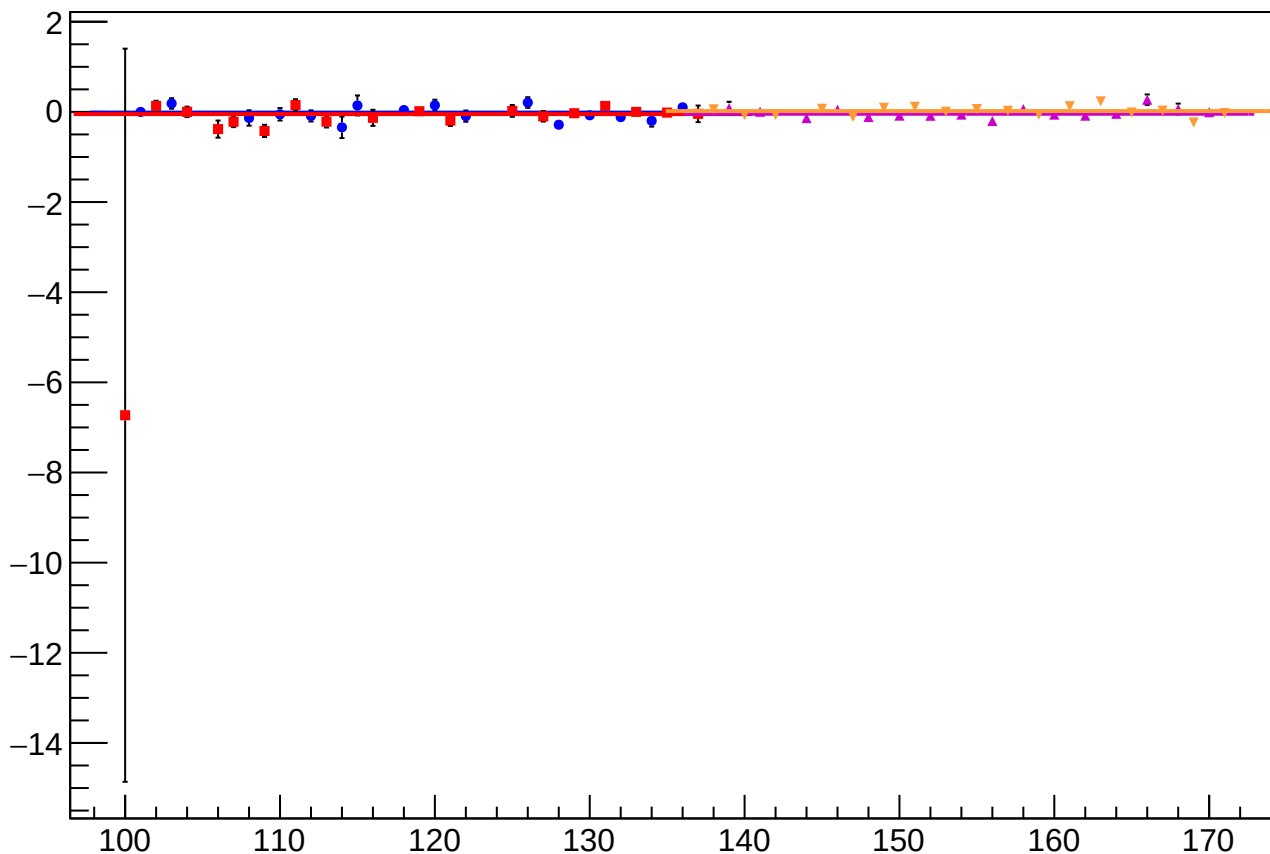
Right: 0.177+/-0.031 χ^2/NDF : 51.1/33

In: 0.044+/-0.021 χ^2/NDF : 53.8/31

Out: 0.060+/-0.021 χ^2/NDF : 61.7/34

All: 0.052+/-0.015 χ^2/NDF : 115.7/66

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 $\chi^2/\text{NDF}: 24.3/15$

Left Out: 0.018 ± 0.020 $\chi^2/\text{NDF}: 26.0/16$

Right Out: -0.048 ± 0.029 $\chi^2/\text{NDF}: 25.9/17$

Left In: -0.041 ± 0.020 $\chi^2/\text{NDF}: 21.4/15$

Left: -0.010 ± 0.014 $\chi^2/\text{NDF}: 51.8/32$

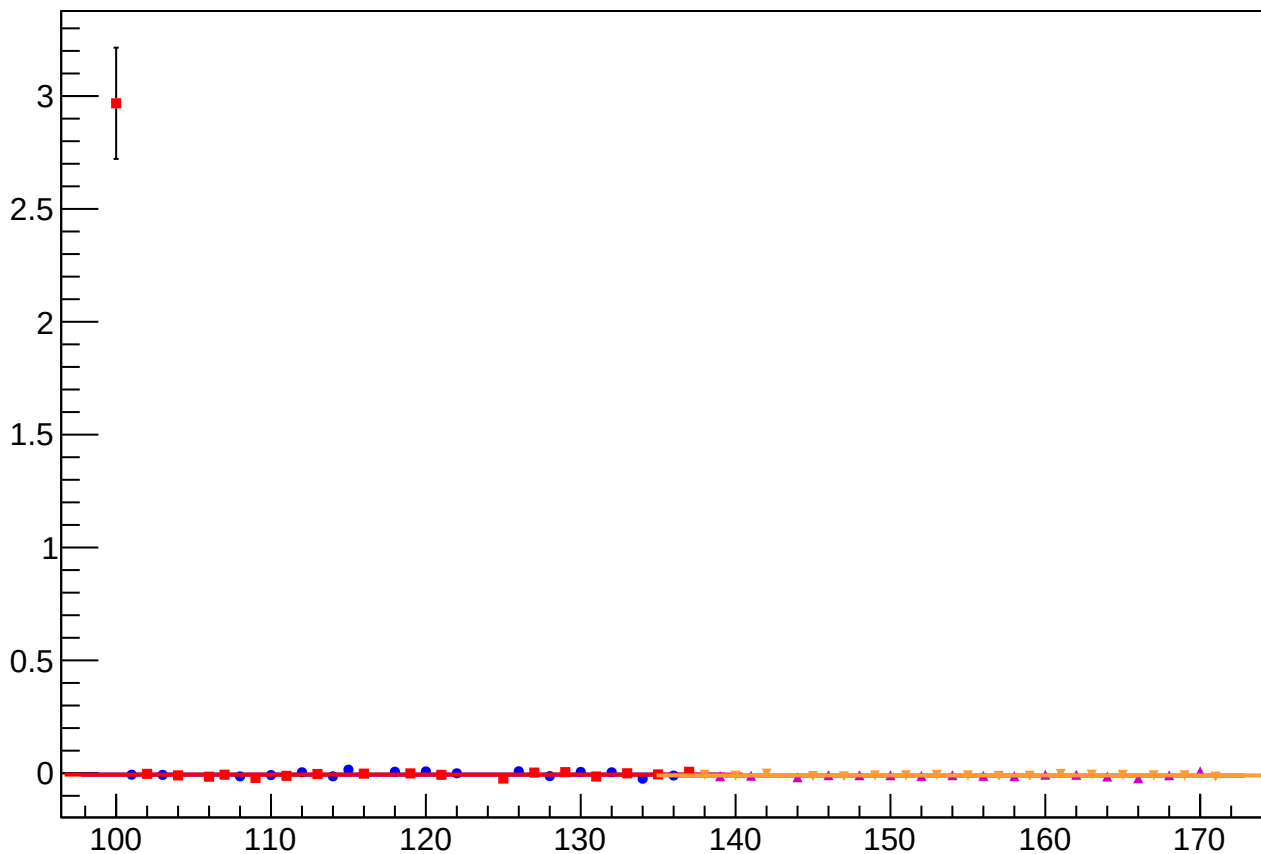
Right: -0.031 ± 0.020 $\chi^2/\text{NDF}: 51.0/33$

In: -0.032 ± 0.016 $\chi^2/\text{NDF}: 46.3/31$

Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 55.6/34$

All: -0.018 ± 0.011 $\chi^2/\text{NDF}: 103.5/66$

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.010 ± 0.001 χ^2/NDF : 12.2/16

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

Left In: -0.010 ± 0.001 χ^2/NDF : 28.5/15

Left: -0.010 ± 0.001 χ^2/NDF : 40.9/32

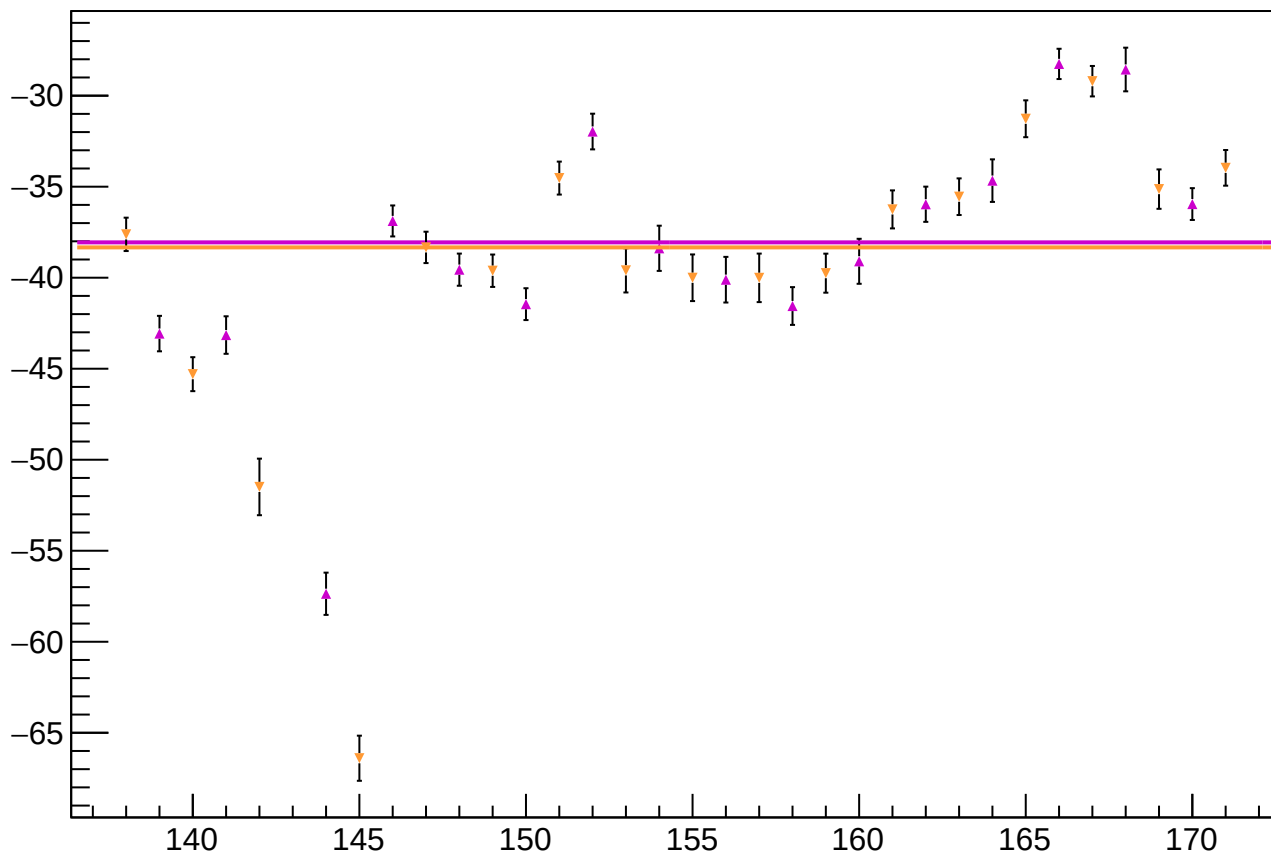
Right: -0.006 ± 0.001 χ^2/NDF : 193.3/33

In: -0.009 ± 0.001 χ^2/NDF : 61.3/31

Out: -0.009 ± 0.001 χ^2/NDF : 182.5/34

All: -0.009 ± 0.001 χ^2/NDF : 243.9/66

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: -38.335+/-0.249 χ^2/NDF : 874.6/16

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

Left In: -38.058+/-0.251 χ^2/NDF : 621.5/15

Left: -38.198+/-0.177 χ^2/NDF : 1496.7/32

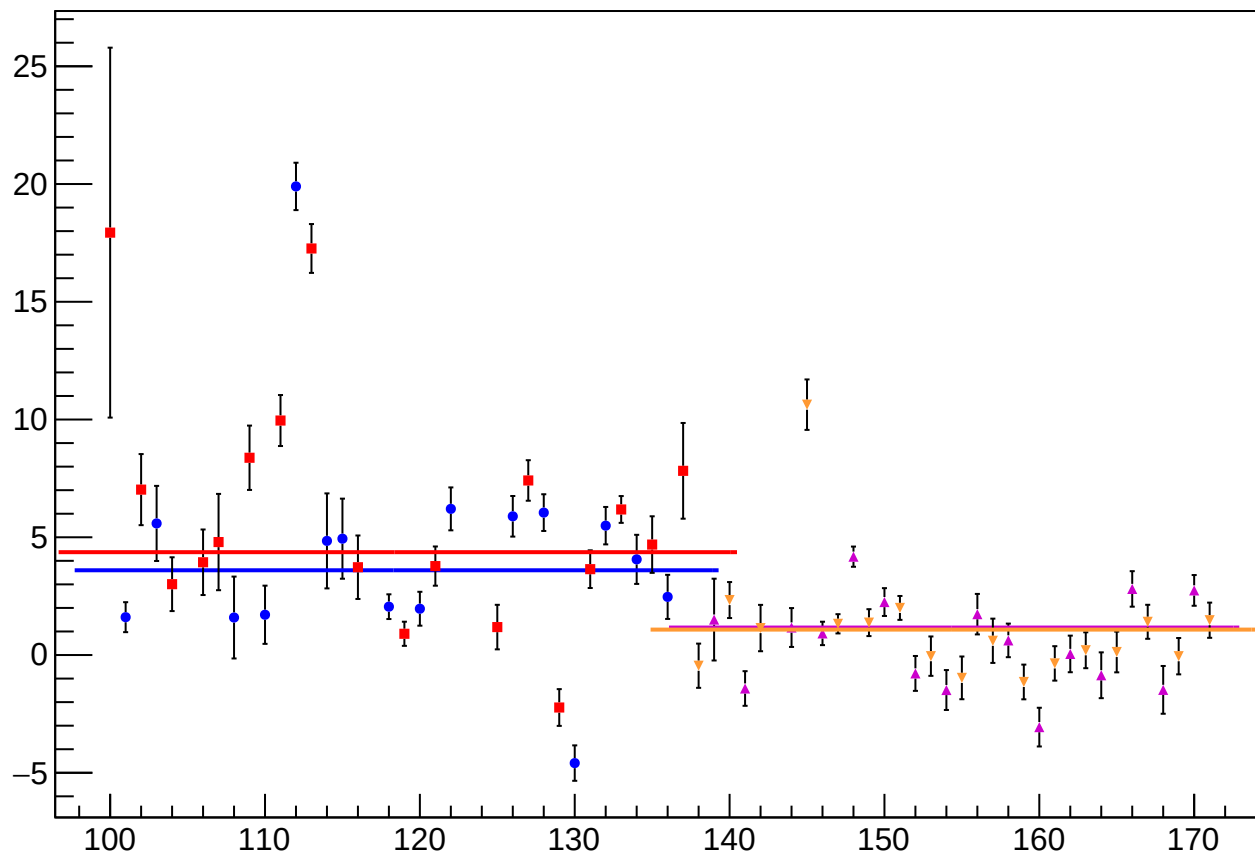
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.058+/-0.251 χ^2/NDF : 621.5/15

Out: -38.335+/-0.249 χ^2/NDF : 874.6/16

All: -38.198+/-0.177 χ^2/NDF : 1496.7/32

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 $\pm$ 0.220 χ^2/NDF : 443.4/15

Left Out: 1.080 $\pm$ 0.172 χ^2/NDF : 114.1/16

Right Out: 4.367 $\pm$ 0.225 χ^2/NDF : 353.1/17

Left In: 1.167 $\pm$ 0.177 χ^2/NDF : 133.2/15

Left: 1.122 $\pm$ 0.124 χ^2/NDF : 247.4/32

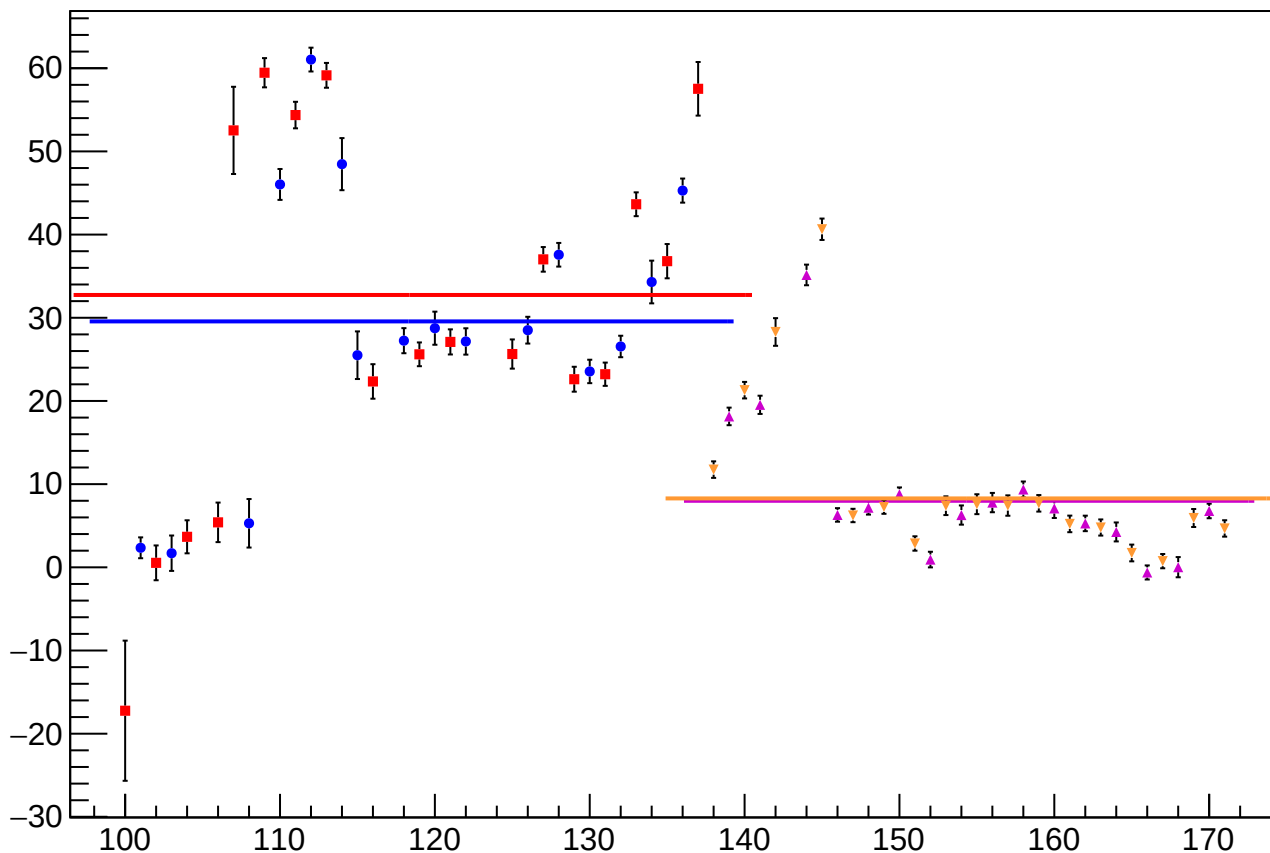
Right: 3.975 $\pm$ 0.157 χ^2/NDF : 802.5/33

In: 2.123 $\pm$ 0.138 χ^2/NDF : 650.6/31

Out: 2.298 $\pm$ 0.137 χ^2/NDF : 601.8/34

All: 2.211 $\pm$ 0.097 χ^2/NDF : 1253.2/66

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: 8.283 $\pm$ 0.244 χ^2 /NDF:1170.7/16

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

Left In: 8.000 $\pm$ 0.245 χ^2 /NDF:917.7/15

Left: 8.142 $\pm$ 0.173 χ^2 /NDF: 2089.1/32

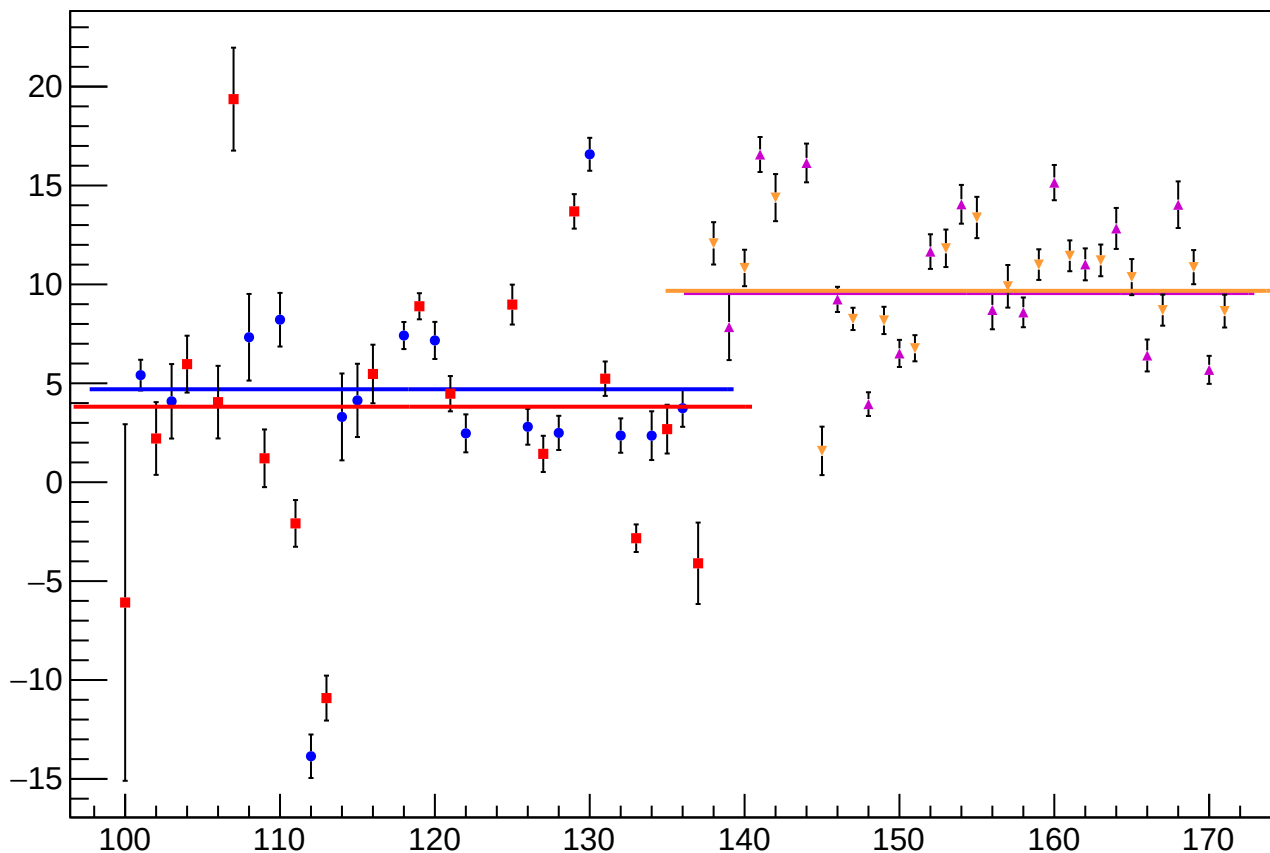
Right: 31.140 $\pm$ 0.298 χ^2 /NDF: 3186.3/33

In: 13.494 $\pm$ 0.212 χ^2 /NDF:4381.1/31

Out: 14.399 $\pm$ 0.211 χ^2 /NDF:5344.3/34

All: 13.947 $\pm$ 0.150 χ^2 /NDF: 9734.5/66

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: 9.675 ± 0.203 χ^2/NDF : 131.4/16

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

Left In: 9.562 ± 0.208 χ^2/NDF : 357.9/15

Left: 9.620 ± 0.145 χ^2/NDF : 489.5/32

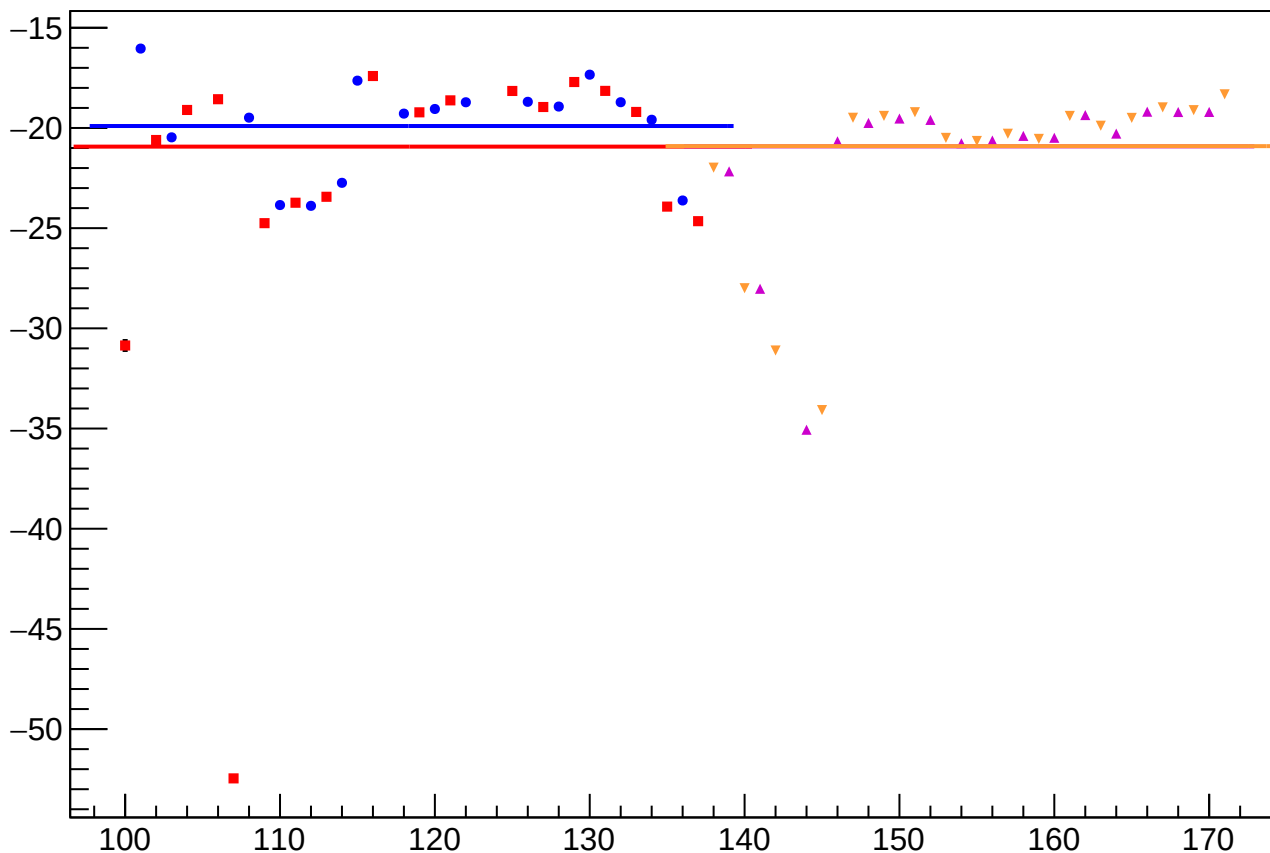
Right: 4.265 ± 0.181 χ^2/NDF : 1122.4/33

In: 7.614 ± 0.161 χ^2/NDF : 1126.5/31

Out: 7.445 ± 0.159 χ^2/NDF : 1017.2/34

All: 7.529 ± 0.113 χ^2/NDF : 2144.3/66

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: -20.907 ± 0.010 $\chi^2/\text{NDF}: 137412.5/16$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

Left In: -20.918 ± 0.010 $\chi^2/\text{NDF}: 107082.9/15$

Left: -20.913 ± 0.007 $\chi^2/\text{NDF}: 244496.1/32$

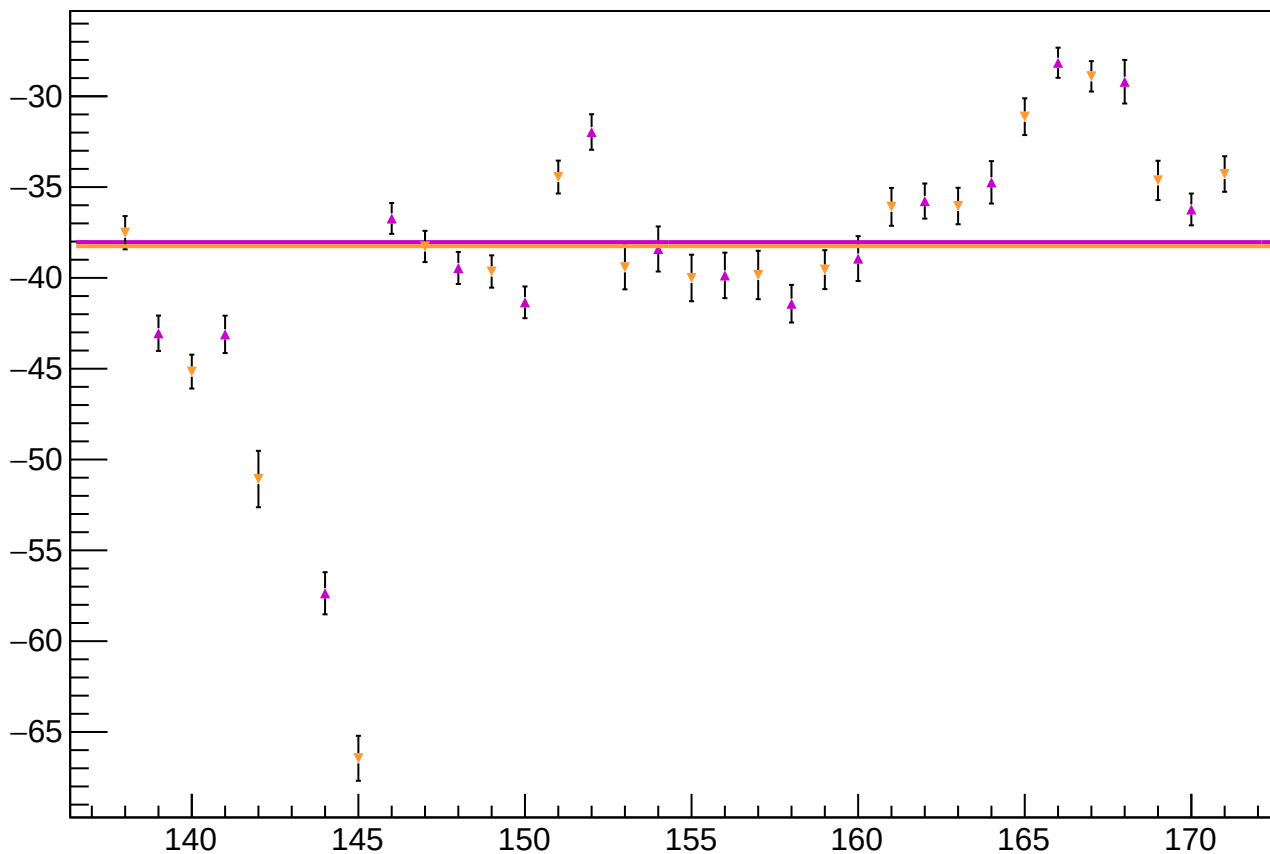
Right: -20.414 ± 0.011 $\chi^2/\text{NDF}: 122212.6/33$

In: -20.637 ± 0.008 $\chi^2/\text{NDF}: 136183.7/31$

Out: -20.914 ± 0.008 $\chi^2/\text{NDF}: 231422.4/34$

All: -20.776 ± 0.006 $\chi^2/\text{NDF}: 368173.3/66$

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: -38.255+/-0.249 χ^2/NDF : 879.0/16

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

Left In: -38.030+/-0.251 χ^2/NDF : 613.3/15

Left: -38.144+/-0.177 χ^2/NDF : 1492.7/32

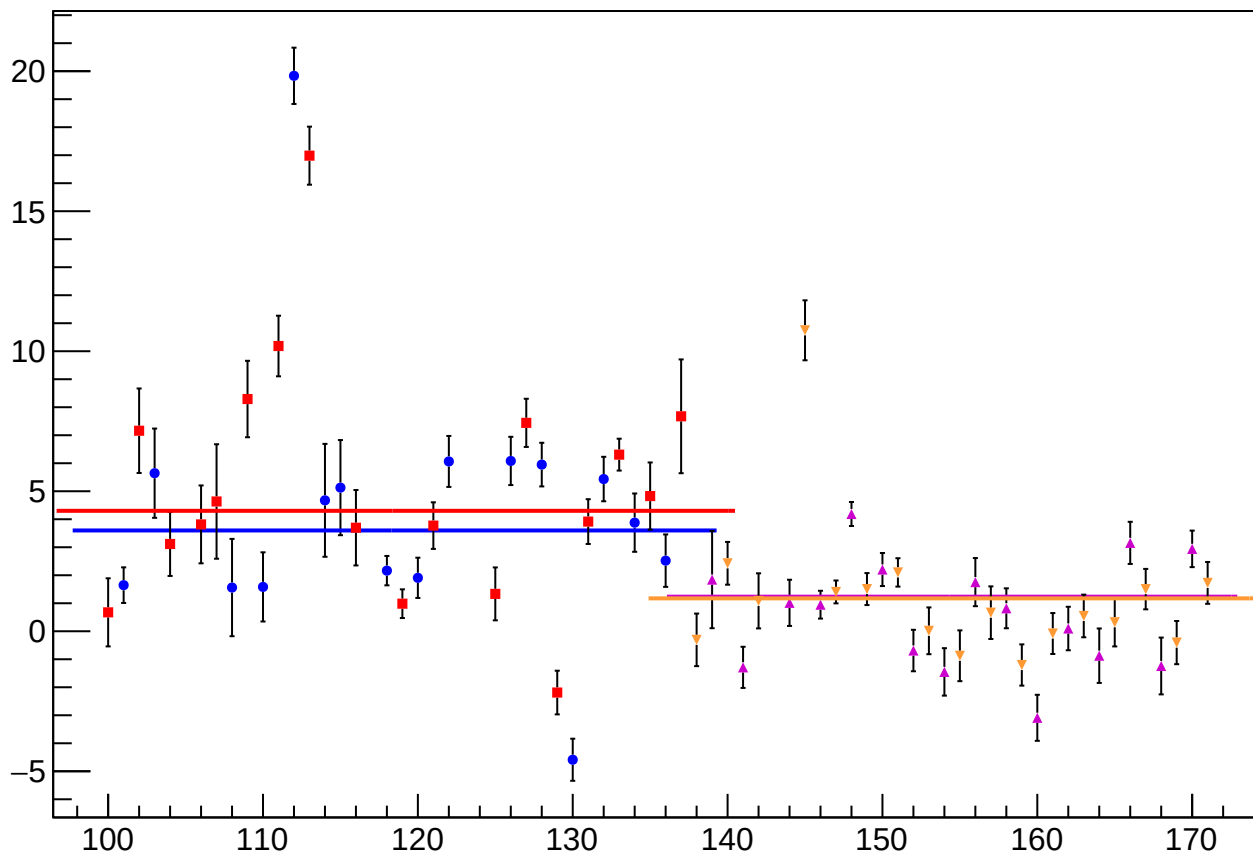
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.030+/-0.251 χ^2/NDF : 613.3/15

Out: -38.255+/-0.249 χ^2/NDF : 879.0/16

All: -38.144+/-0.177 χ^2/NDF : 1492.7/32

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: 1.175 ± 0.172 $\chi^2/\text{NDF}: 116.5/16$

Right Out: 4.301 ± 0.221 $\chi^2/\text{NDF}: 352.1/17$

Left In: 1.235 ± 0.177 $\chi^2/\text{NDF}: 133.8/15$

Left: 1.204 ± 0.124 $\chi^2/\text{NDF}: 250.3/32$

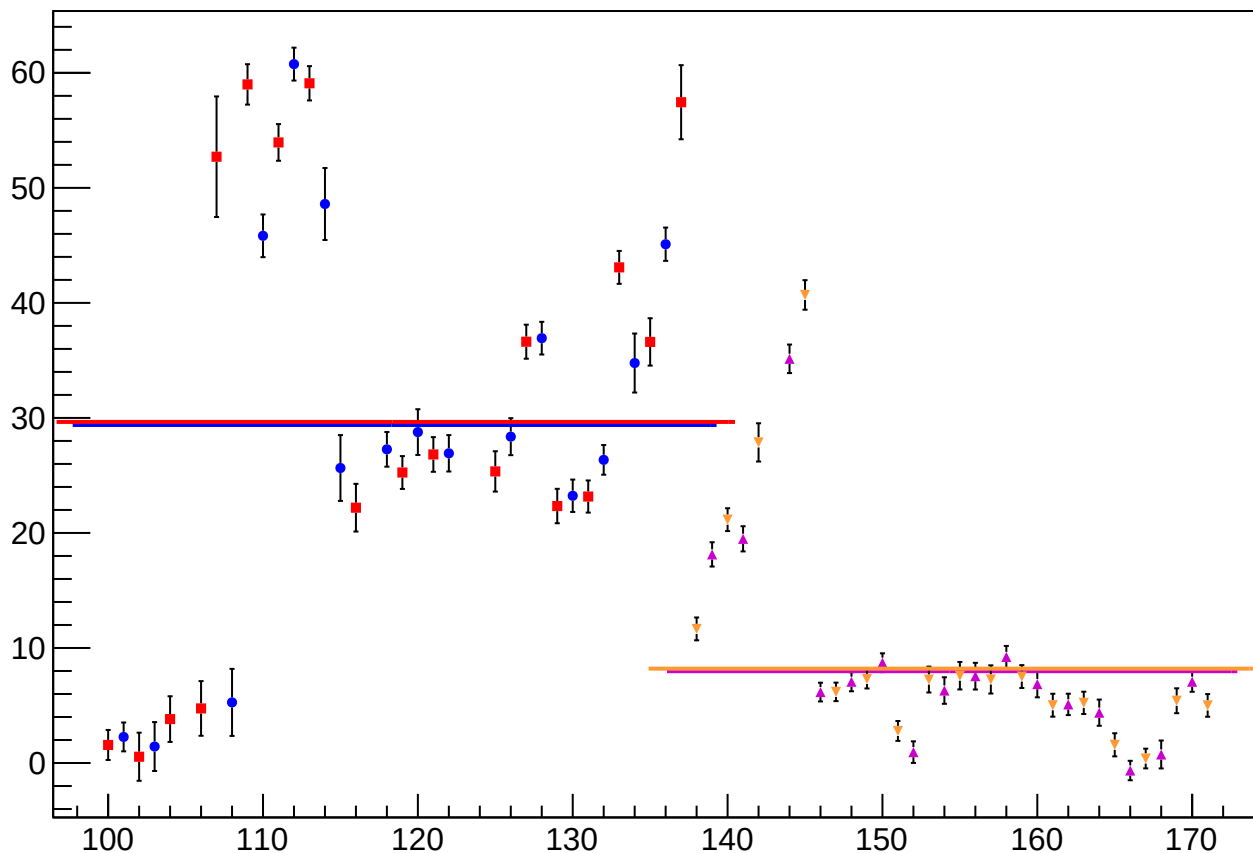
Right: 3.949 ± 0.156 $\chi^2/\text{NDF}: 797.4/33$

In: 2.164 ± 0.138 $\chi^2/\text{NDF}: 644.1/31$

Out: 2.357 ± 0.136 $\chi^2/\text{NDF}: 593.0/34$

All: 2.262 ± 0.097 $\chi^2/\text{NDF}: 1238.1/66$

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: 8.205 $\pm$ 0.244 χ^2 /NDF: 1173.3/16

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

Left In: 7.982 $\pm$ 0.245 χ^2 /NDF: 911.3/15

Left: 8.094 $\pm$ 0.173 χ^2 /NDF: 2085.0/32

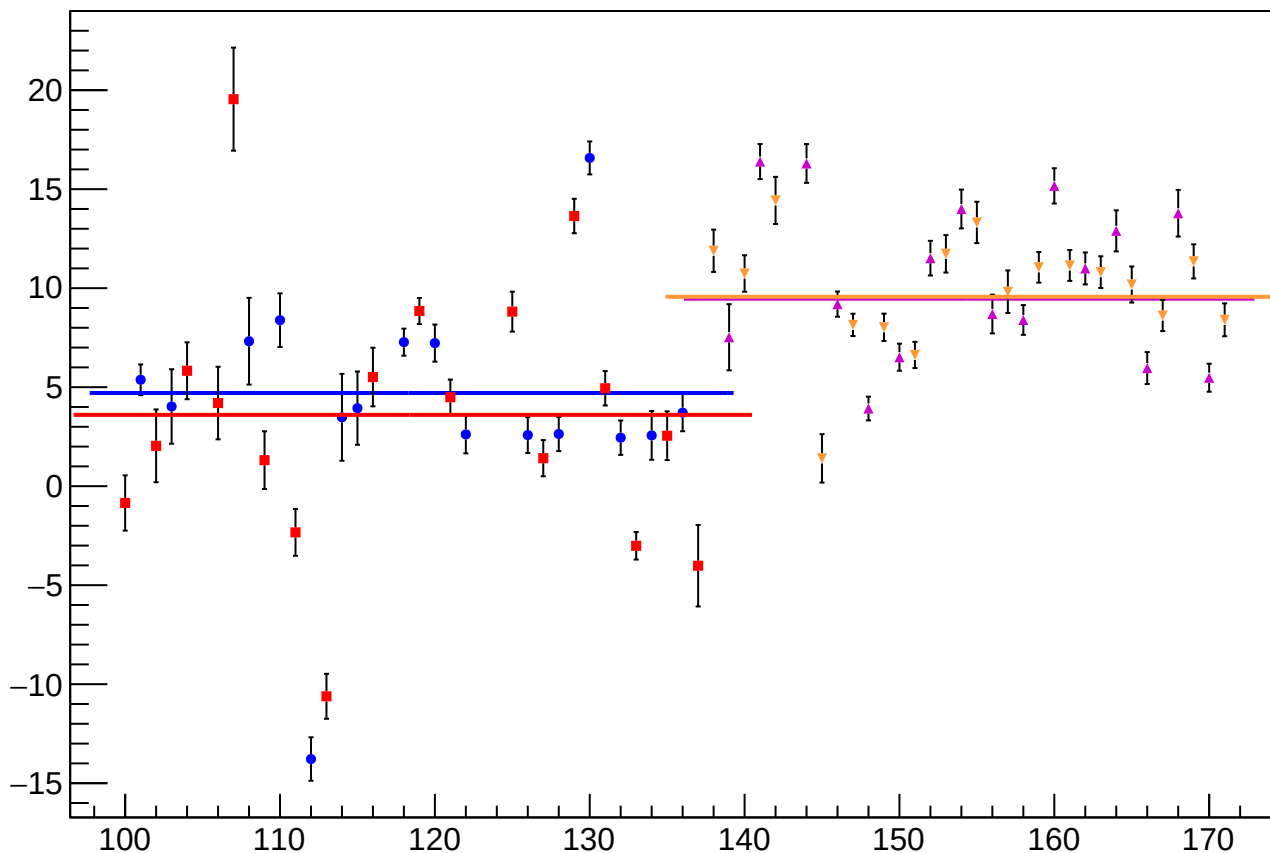
Right: 29.525 $\pm$ 0.290 χ^2 /NDF: 3619.8/33

In: 13.437 $\pm$ 0.212 χ^2 /NDF: 4342.3/31

Out: 13.970 $\pm$ 0.209 χ^2 /NDF: 5382.0/34

All: 13.707 $\pm$ 0.149 χ^2 /NDF: 9727.5/66

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.565 ± 0.203 $\chi^2/\text{NDF}: 135.3/16$

Right Out: 3.601 ± 0.254 $\chi^2/\text{NDF}: 573.4/17$

Left In: 9.469 ± 0.208 $\chi^2/\text{NDF}: 365.0/15$

Left: 9.518 ± 0.145 $\chi^2/\text{NDF}: 500.4/32$

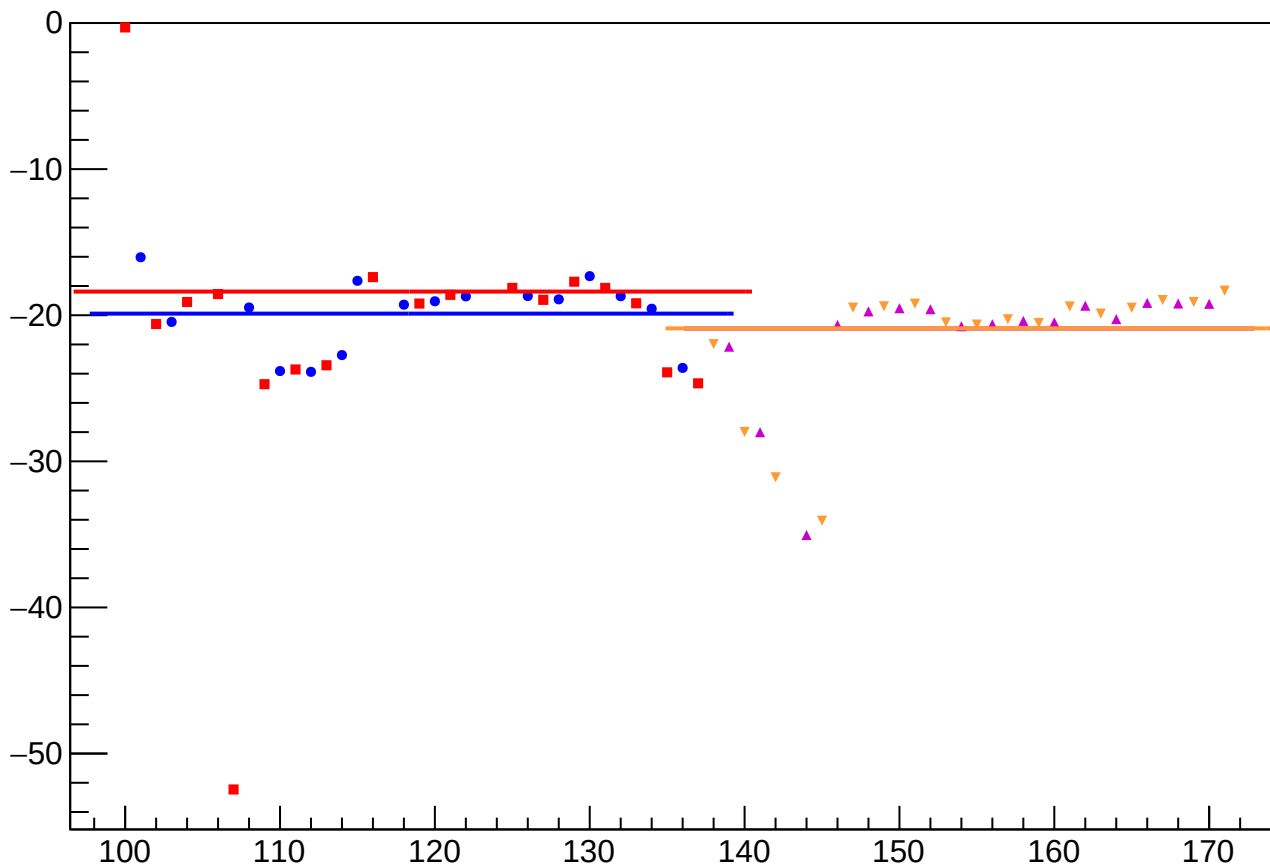
Right: 4.154 ± 0.180 $\chi^2/\text{NDF}: 1128.1/33$

In: 7.561 ± 0.161 $\chi^2/\text{NDF}: 1121.2/31$

Out: 7.247 ± 0.158 $\chi^2/\text{NDF}: 1045.7/34$

All: 7.402 ± 0.113 $\chi^2/\text{NDF}: 2168.7/66$

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 $\pm$ 0.016 χ^2 /NDF: 26044.4/15

Left Out: -20.899 $\pm$ 0.010 χ^2 /NDF:137502.5/16

Right Out: -18.380 $\pm$ 0.015 χ^2 /NDF: 300999.4/17

Left In: -20.910 $\pm$ 0.010 χ^2 /NDF:106982.9/15

Left: -20.904 $\pm$ 0.007 χ^2 /NDF: 244486.0/32

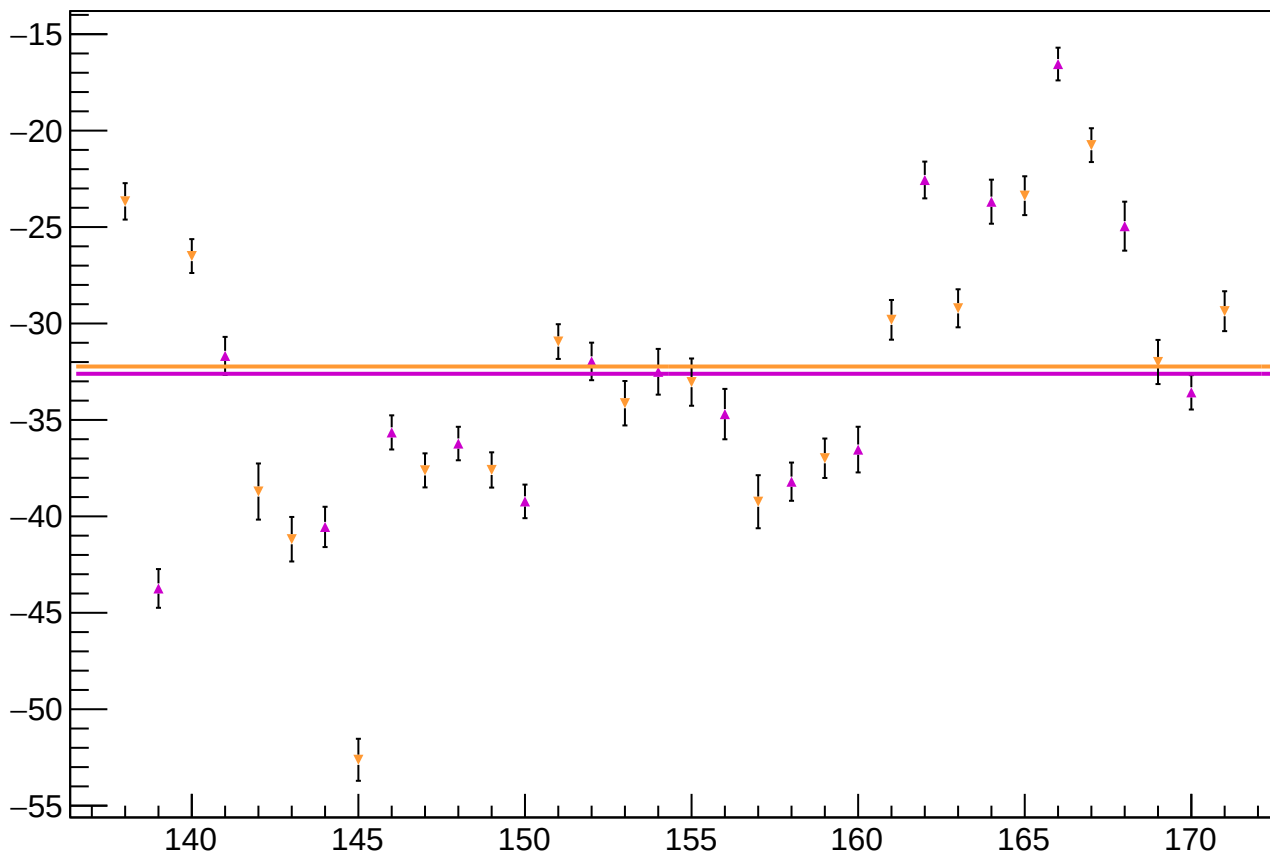
Right: -19.091 $\pm$ 0.011 χ^2 /NDF: 331979.2/33

In: -20.627 $\pm$ 0.008 χ^2 /NDF:136097.9/31

Out: -20.147 $\pm$ 0.008 χ^2 /NDF:458965.6/34

All: -20.382 $\pm$ 0.006 χ^2 /NDF: 596798.8/66

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: -32.230+/-0.242 χ^2/NDF :951.0/17

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

Left In: -32.608+/-0.249 χ^2/NDF :881.8/15

Left: -32.413+/-0.174 χ^2/NDF : 1833.9/33

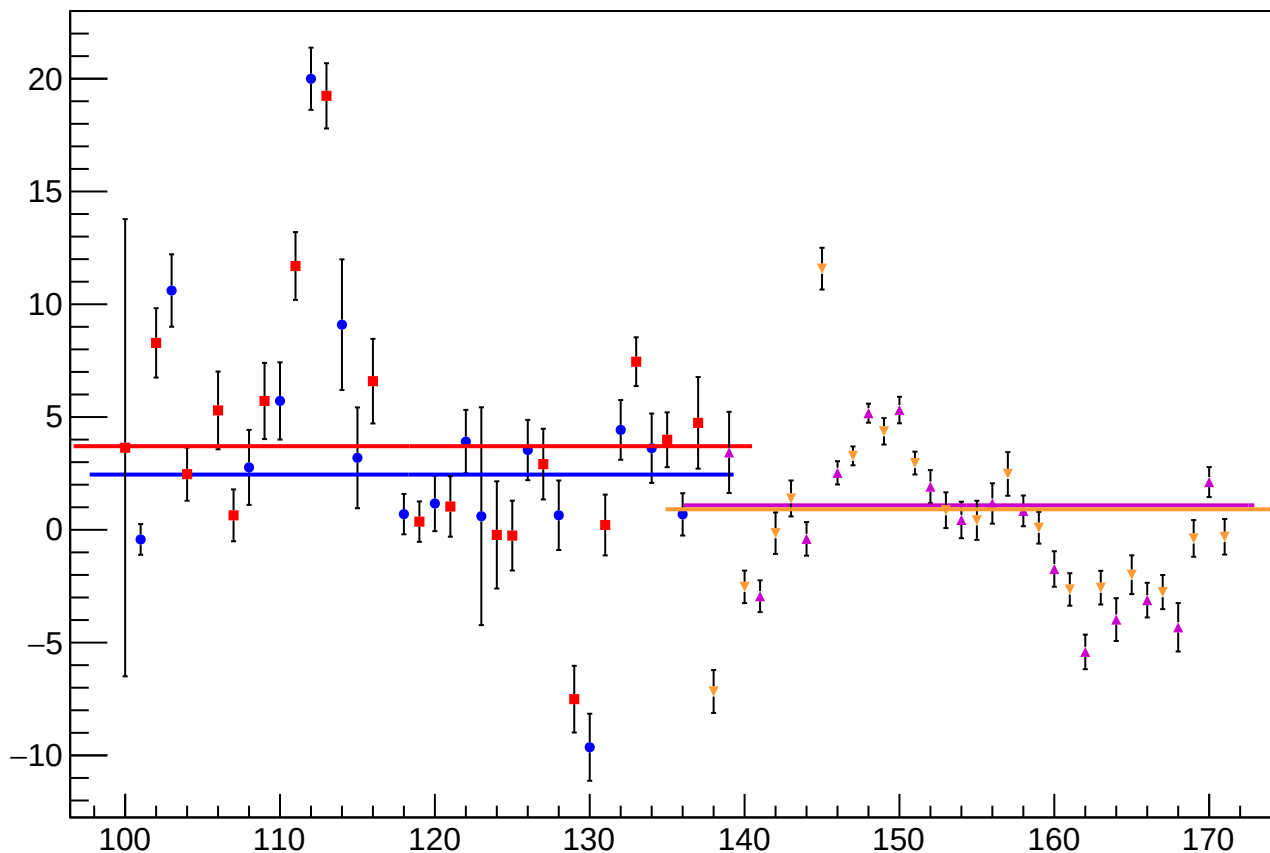
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.608+/-0.249 χ^2/NDF :881.8/15

Out: -32.230+/-0.242 χ^2/NDF :951.0/17

All: -32.413+/-0.174 χ^2/NDF : 1833.9/33

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 $\pm$ 0.314 χ^2 /NDF: 295.3/16

Left Out: 0.910 $\pm$ 0.168 χ^2 /NDF:403.2/17

Right Out: 3.707 $\pm$ 0.326 χ^2 /NDF: 269.4/18

Left In: 1.086 $\pm$ 0.176 χ^2 /NDF:364.9/15

Left: 0.994 $\pm$ 0.121 χ^2 /NDF: 768.6/33

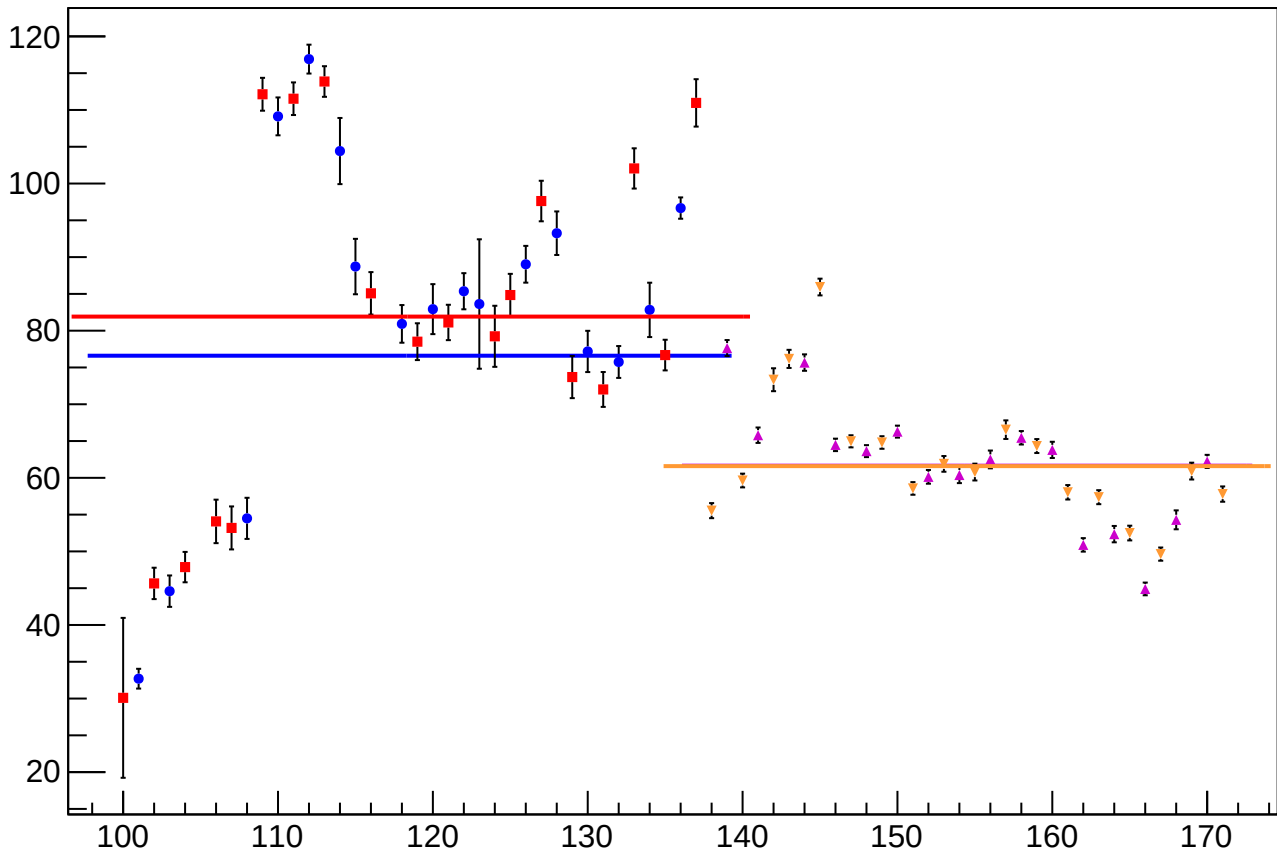
Right: 3.055 $\pm$ 0.226 χ^2 /NDF: 572.4/35

In: 1.409 $\pm$ 0.153 χ^2 /NDF:674.5/32

Out: 1.496 $\pm$ 0.149 χ^2 /NDF:730.7/36

All: 1.454 $\pm$ 0.107 χ^2 /NDF: 1405.4/69

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: 61.591 $\pm$ 0.239 χ^2 /NDF:1068.2/17

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

Left In: 61.654 $\pm$ 0.244 χ^2 /NDF:1079.9/15

Left: 61.622 $\pm$ 0.170 χ^2 /NDF: 2148.1/33

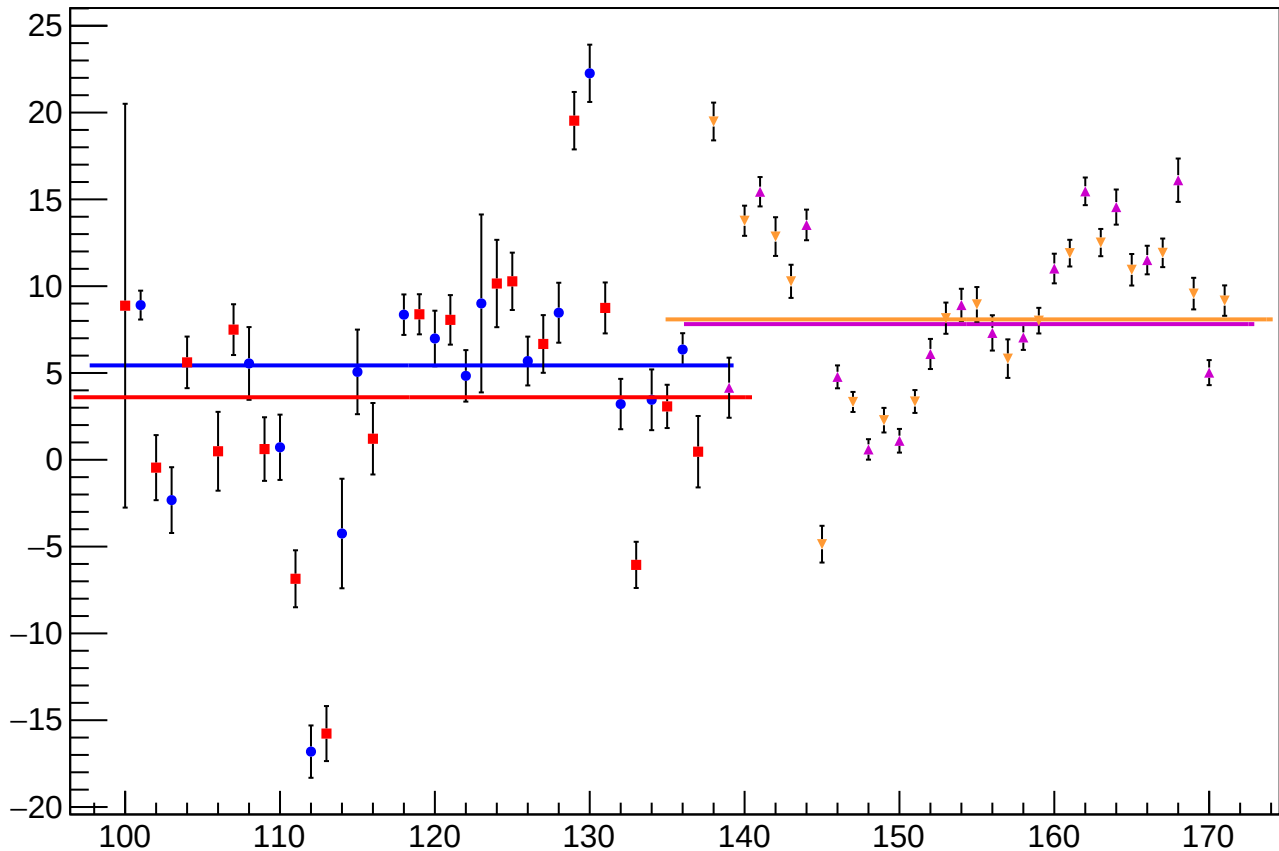
Right: 79.184 $\pm$ 0.413 χ^2 /NDF: 3867.3/35

In: 63.922 $\pm$ 0.224 χ^2 /NDF:3905.9/32

Out: 64.429 $\pm$ 0.221 χ^2 /NDF:3652.9/36

All: 64.179 $\pm$ 0.158 χ^2 /NDF: 7561.4/69

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: 8.088 ± 0.197 $\chi^2/\text{NDF}: 609.6/17$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

Left In: 7.815 ± 0.206 $\chi^2/\text{NDF}: 632.5/15$

Left: 7.957 ± 0.142 $\chi^2/\text{NDF}: 1243.0/33$

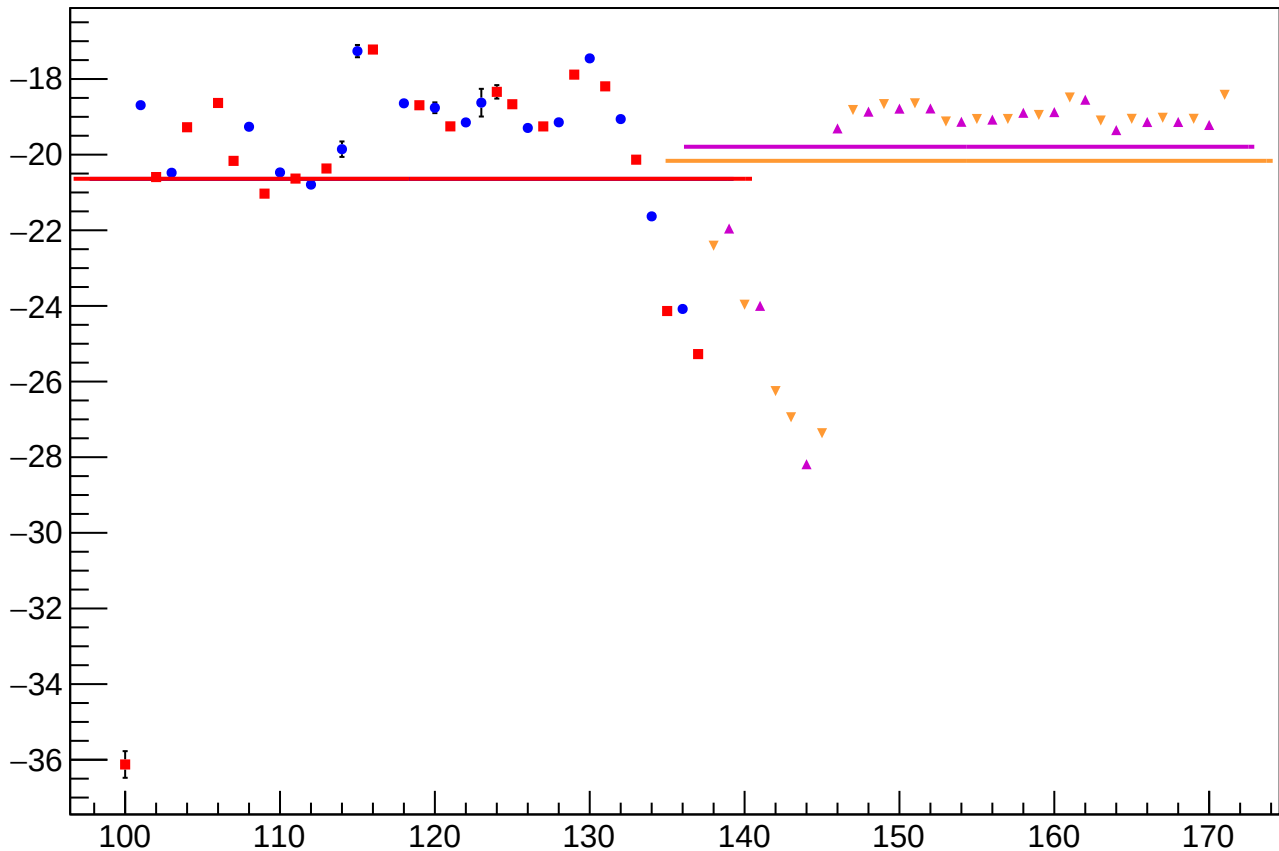
Right: 4.556 ± 0.260 $\chi^2/\text{NDF}: 823.0/35$

In: 7.231 ± 0.179 $\chi^2/\text{NDF}: 1052.6/32$

Out: 7.115 ± 0.175 $\chi^2/\text{NDF}: 1145.0/36$

All: 7.172 ± 0.125 $\chi^2/\text{NDF}: 2197.7/69$

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: -20.163 $\pm$ 0.009 χ^2 /NDF: 81182.5/17

Right Out: -20.638 $\pm$ 0.019 χ^2 /NDF: 13783.4/18

Left In: -19.791 $\pm$ 0.010 χ^2 /NDF: 48914.5/15

Left: -19.982 $\pm$ 0.007 χ^2 /NDF: 130860.8/33

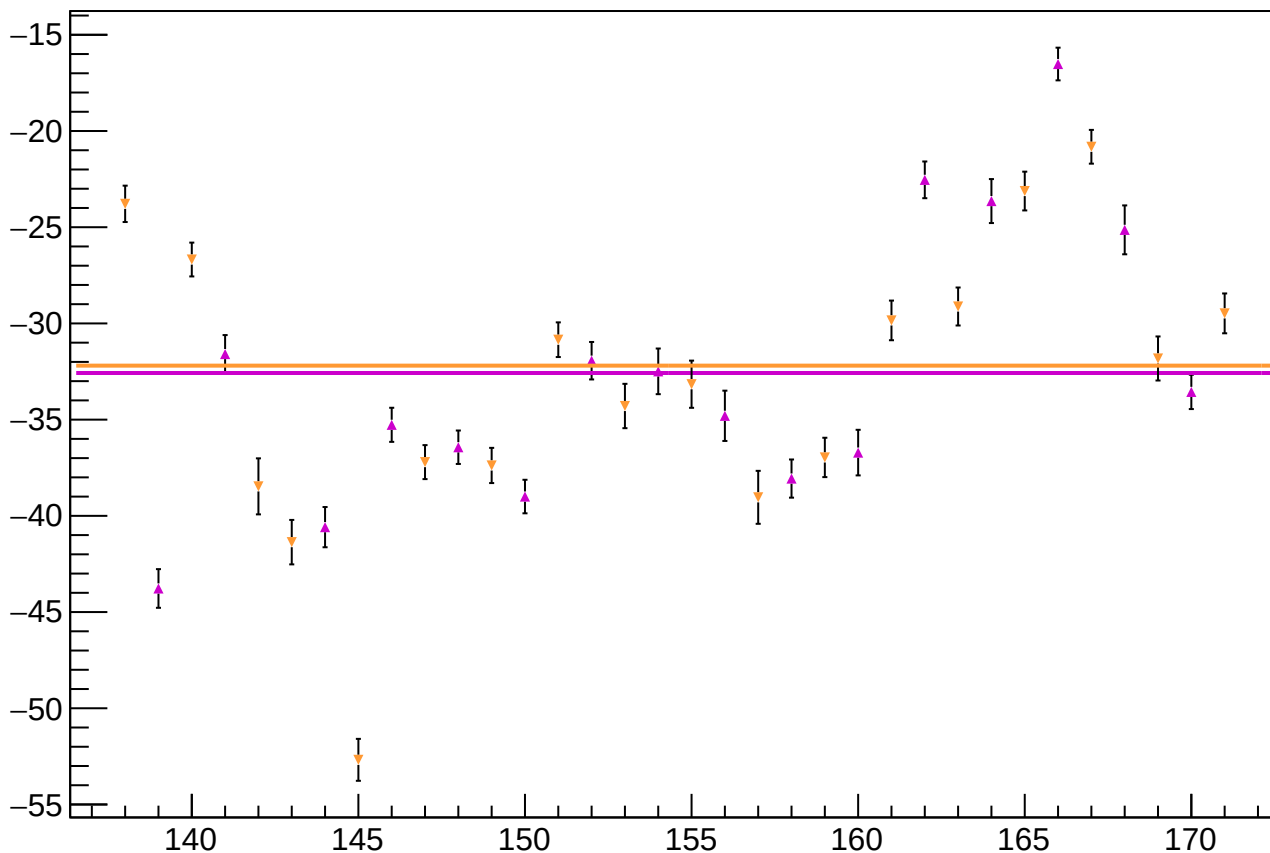
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26214.9/35

In: -19.960 $\pm$ 0.009 χ^2 /NDF: 62897.0/32

Out: -20.253 $\pm$ 0.008 χ^2 /NDF: 95448.3/36

All: -20.109 $\pm$ 0.006 χ^2 /NDF: 158933.0/69

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



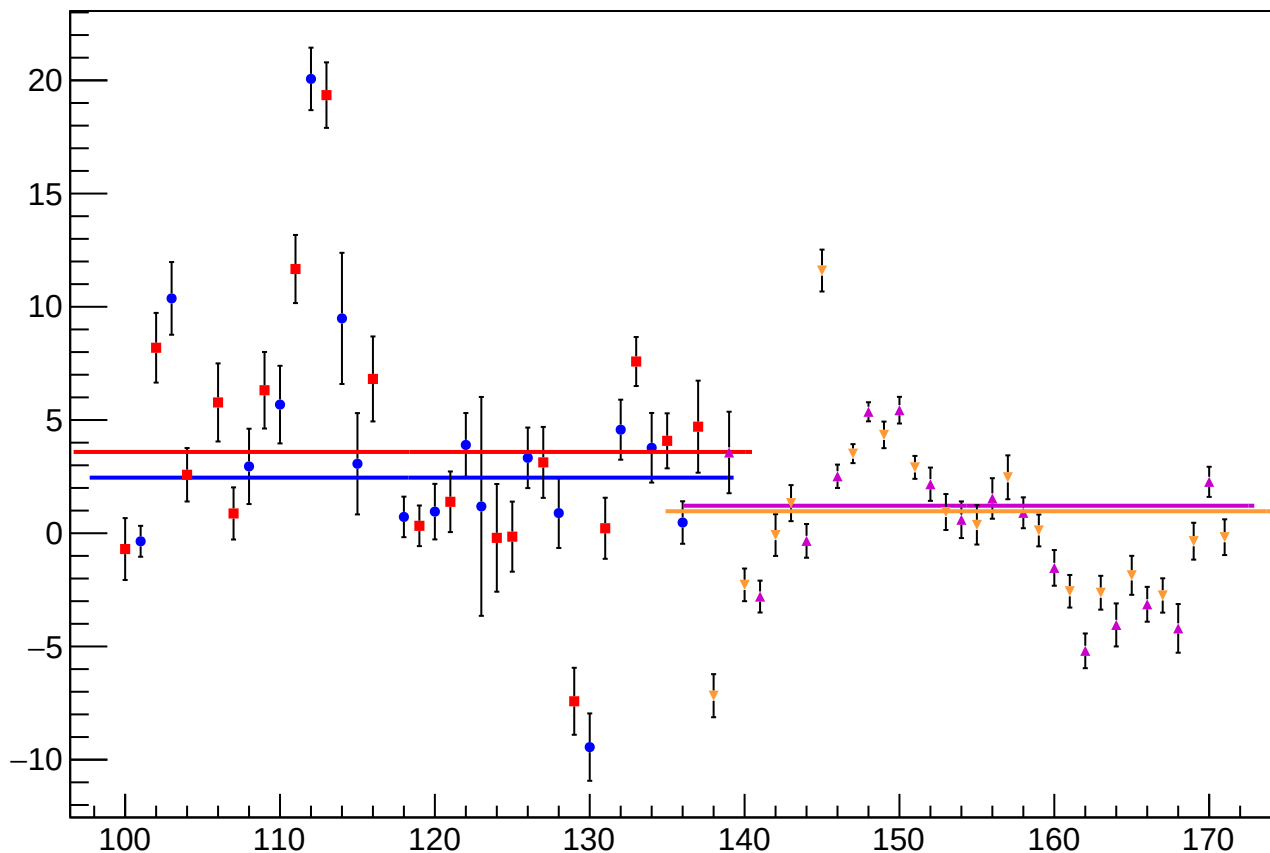
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.194+/-0.242 χ^2/NDF : 941.6/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.576+/-0.250 χ^2/NDF : 877.8/15

Left: -32.379+/-0.174 χ^2/NDF : 1820.7/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.576+/-0.250 χ^2/NDF : 877.8/15
 Out: -32.194+/-0.242 χ^2/NDF : 941.6/17

All: -32.379+/-0.174 χ^2/NDF : 1820.7/33

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 $\pm$ 0.315 χ^2 /NDF: 293.5/16

Left Out: 0.971 $\pm$ 0.168 χ^2 /NDF:403.2/17

Right Out: 3.590 $\pm$ 0.318 χ^2 /NDF: 279.8/18

Left In: 1.215 $\pm$ 0.176 χ^2 /NDF:368.4/15

Left: 1.088 $\pm$ 0.121 χ^2 /NDF: 772.5/33

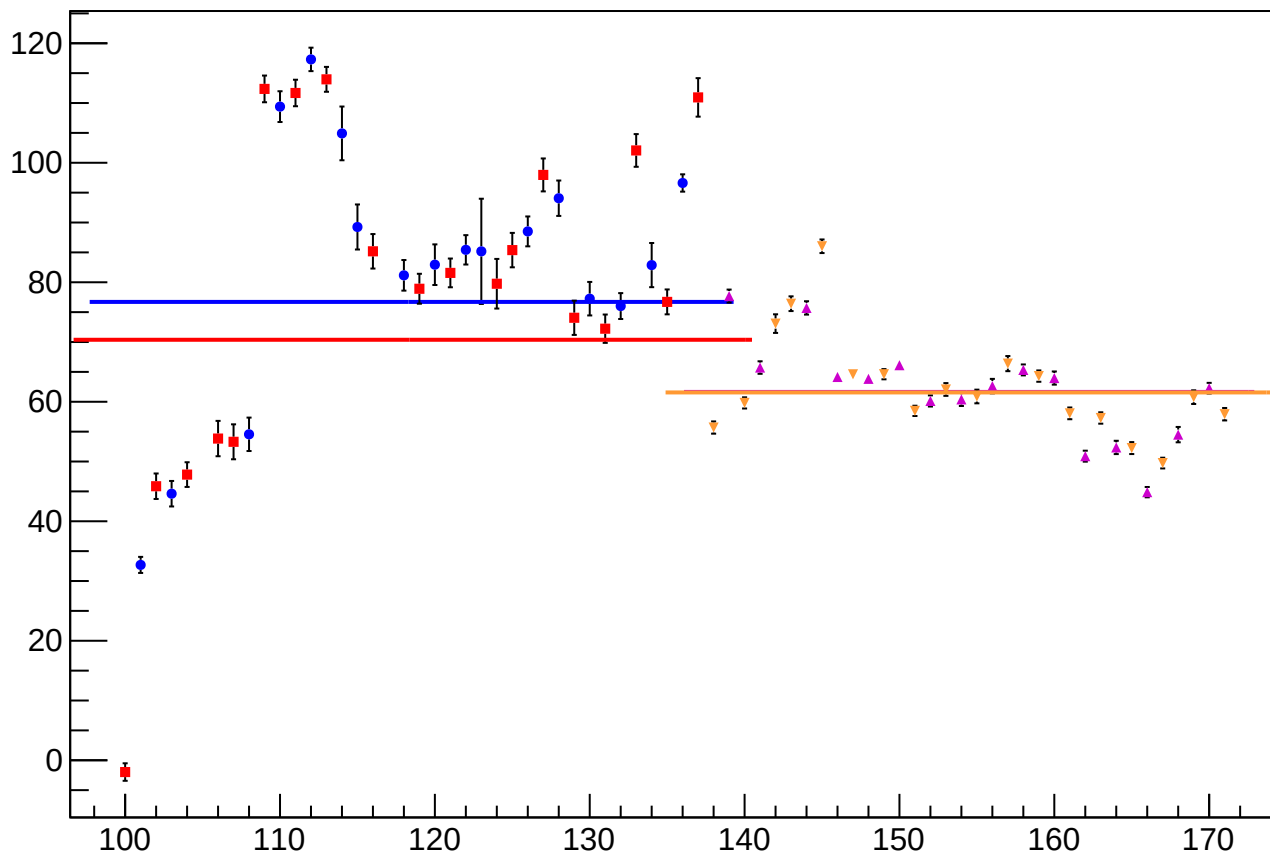
Right: 3.017 $\pm$ 0.224 χ^2 /NDF: 579.8/35

In: 1.510 $\pm$ 0.153 χ^2 /NDF:673.7/32

Out: 1.544 $\pm$ 0.149 χ^2 /NDF:736.1/36

All: 1.527 $\pm$ 0.107 χ^2 /NDF: 1409.8/69

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 61.562 $\pm$ 0.239 χ^2 /NDF:1066.1/17

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

Left In: 61.647 $\pm$ 0.244 χ^2 /NDF:1075.6/15

Left: 61.604 $\pm$ 0.171 χ^2 /NDF: 2141.7/33

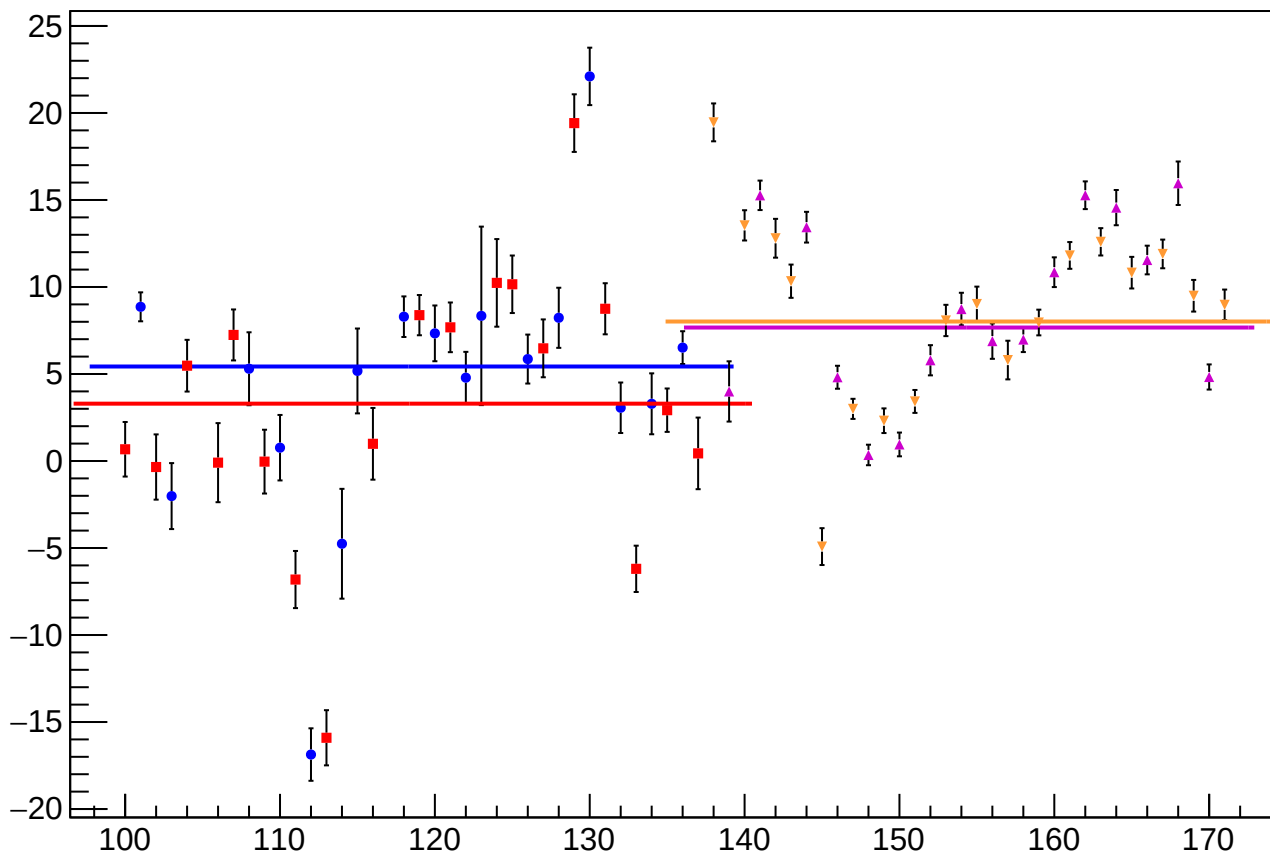
Right: 73.396 $\pm$ 0.398 χ^2 /NDF: 6720.6/35

In: 63.934 $\pm$ 0.225 χ^2 /NDF:3921.7/32

Out: 62.959 $\pm$ 0.219 χ^2 /NDF:5673.0/36

All: 63.434 $\pm$ 0.157 χ^2 /NDF: 9604.4/69

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: 8.016 ± 0.197 $\chi^2/\text{NDF}: 612.3/17$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

Left In: 7.670 ± 0.206 $\chi^2/\text{NDF}: 638.0/15$

Left: 7.850 ± 0.142 $\chi^2/\text{NDF}: 1251.8/33$

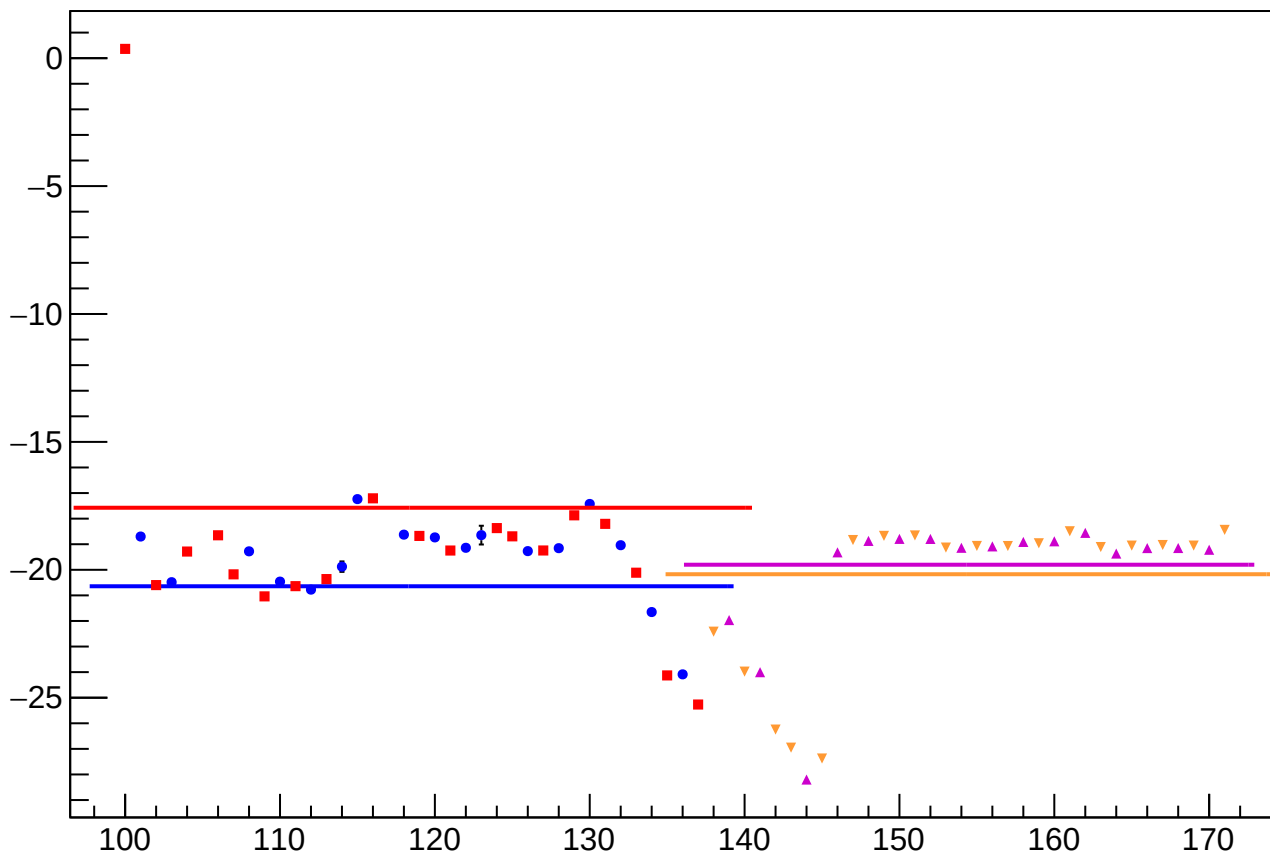
Right: 4.376 ± 0.257 $\chi^2/\text{NDF}: 829.3/35$

In: 7.120 ± 0.179 $\chi^2/\text{NDF}: 1053.0/32$

Out: 6.947 ± 0.174 $\chi^2/\text{NDF}: 1167.8/36$

All: 7.031 ± 0.125 $\chi^2/\text{NDF}: 2221.2/69$

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -20.173 ± 0.009 $\chi^2/\text{NDF}: 81020.7/17$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

Left In: -19.801 ± 0.010 $\chi^2/\text{NDF}: 48849.7/15$

Left: -19.992 ± 0.007 $\chi^2/\text{NDF}: 130630.5/33$

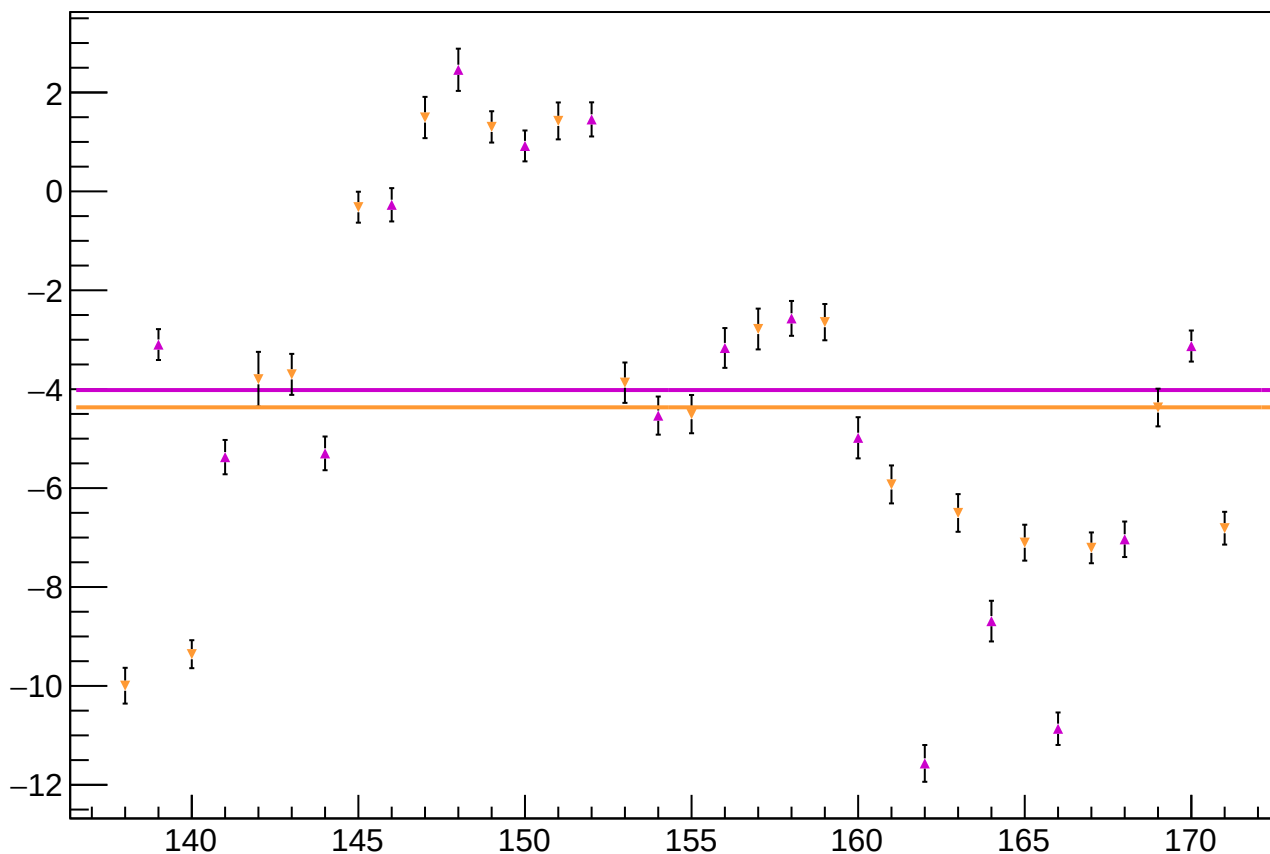
Right: -19.001 ± 0.013 $\chi^2/\text{NDF}: 204262.7/35$

In: -19.969 ± 0.009 $\chi^2/\text{NDF}: 62835.1/32$

Out: -19.616 ± 0.008 $\chi^2/\text{NDF}: 275665.7/36$

All: -19.787 ± 0.006 $\chi^2/\text{NDF}: 339364.7/69$

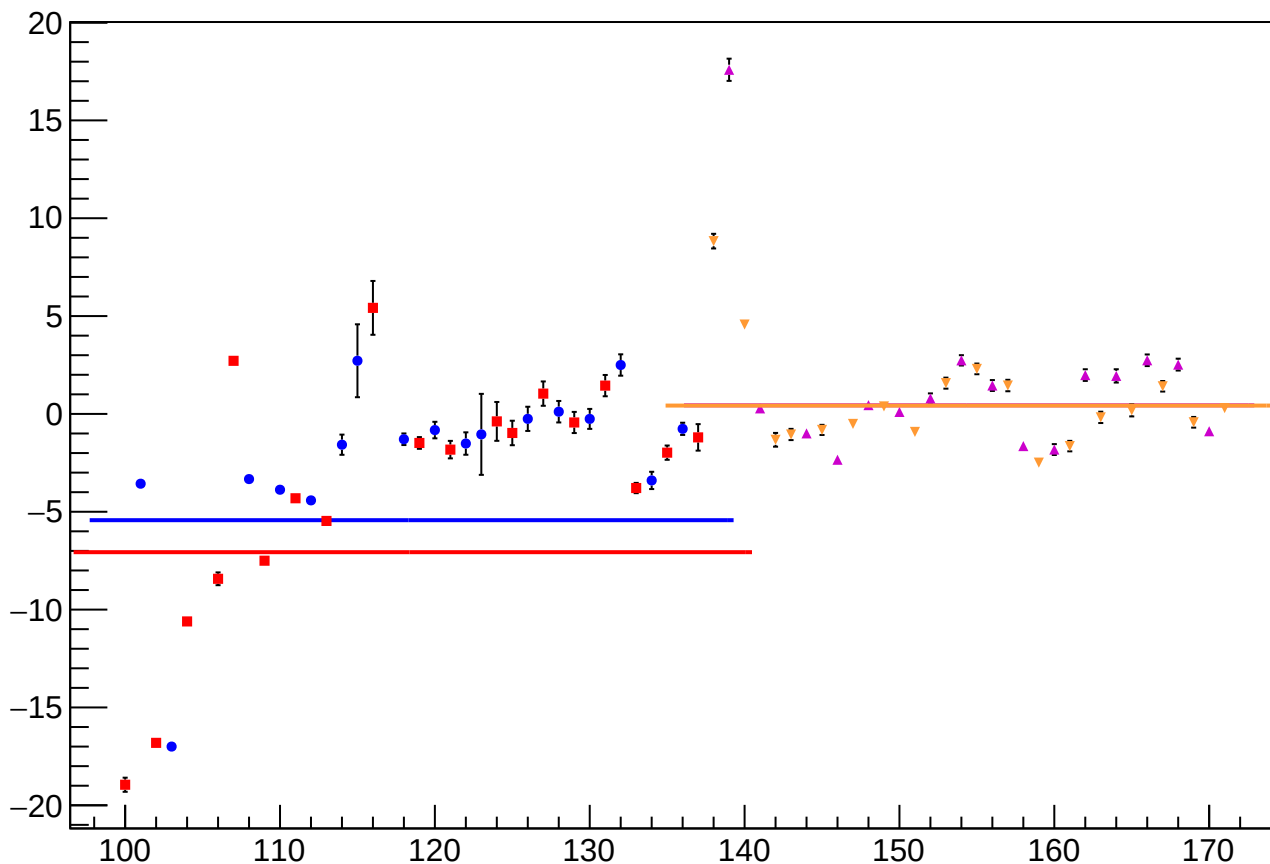
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -4.366 $\pm$ 0.086 χ^2 /NDF:1763.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.017 $\pm$ 0.089 χ^2 /NDF:1976.1/15

Left: -4.198 $\pm$ 0.062 χ^2 /NDF: 3747.5/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -4.017 $\pm$ 0.089 χ^2 /NDF:1976.1/15
 Out: -4.366 $\pm$ 0.086 χ^2 /NDF:1763.5/17
 All: -4.198 $\pm$ 0.062 χ^2 /NDF: 3747.5/33

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: 0.427+/-0.062 χ^2/NDF :1244.1/17

Right Out: -7.066+/-0.059 χ^2/NDF : 12306.6/18

Left In: 0.439+/-0.065 χ^2/NDF :1536.8/15

Left: 0.432+/-0.045 χ^2/NDF : 2780.9/33

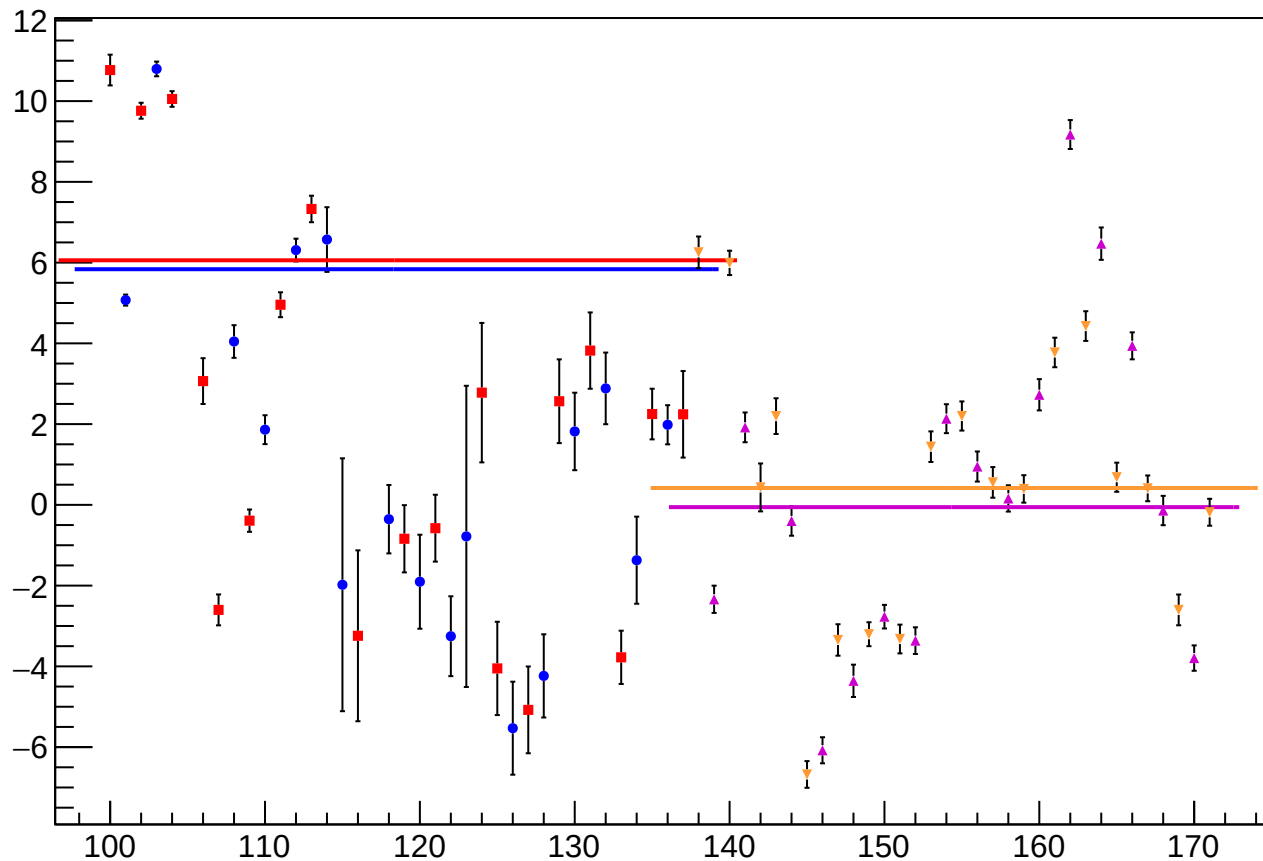
Right: -6.189+/-0.040 χ^2/NDF : 21952.0/35

In: -2.999+/-0.042 χ^2/NDF :15512.6/32

Out: -3.493+/-0.043 χ^2/NDF :21234.3/36

All: -3.242+/-0.030 χ^2/NDF : 36814.9/69

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 0.418 $\pm$ 0.085 χ^2 /NDF:1694.9/17

Right Out: 6.057 $\pm$ 0.093 χ^2 /NDF: 2668.9/18

Left In: -0.056 $\pm$ 0.087 χ^2 /NDF:2034.9/15

Left: 0.187 $\pm$ 0.061 χ^2 /NDF: 3745.1/33

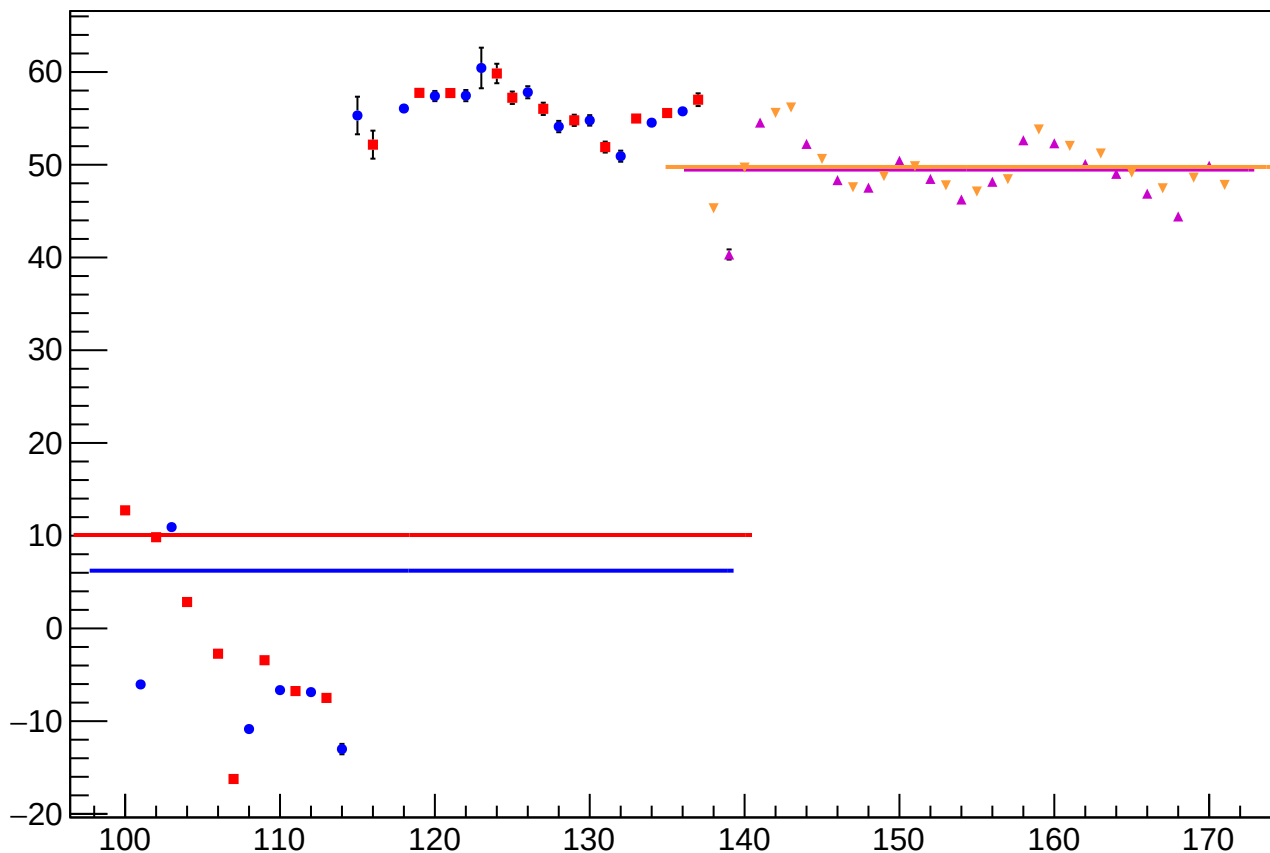
Right: 5.942 $\pm$ 0.065 χ^2 /NDF: 4112.7/35

In: 2.802 $\pm$ 0.062 χ^2 /NDF:5700.1/32

Out: 2.969 $\pm$ 0.063 χ^2 /NDF:6363.2/36

All: 2.885 $\pm$ 0.044 χ^2 /NDF: 12066.9/69

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 49.761+/-0.071 χ^2/NDF :1304.1/17

Right Out: 10.075+/-0.070 χ^2/NDF : 122049.3/18

Left In: 49.479+/-0.075 χ^2/NDF :1400.3/15

Left: 49.627+/-0.052 χ^2/NDF : 2711.9/33

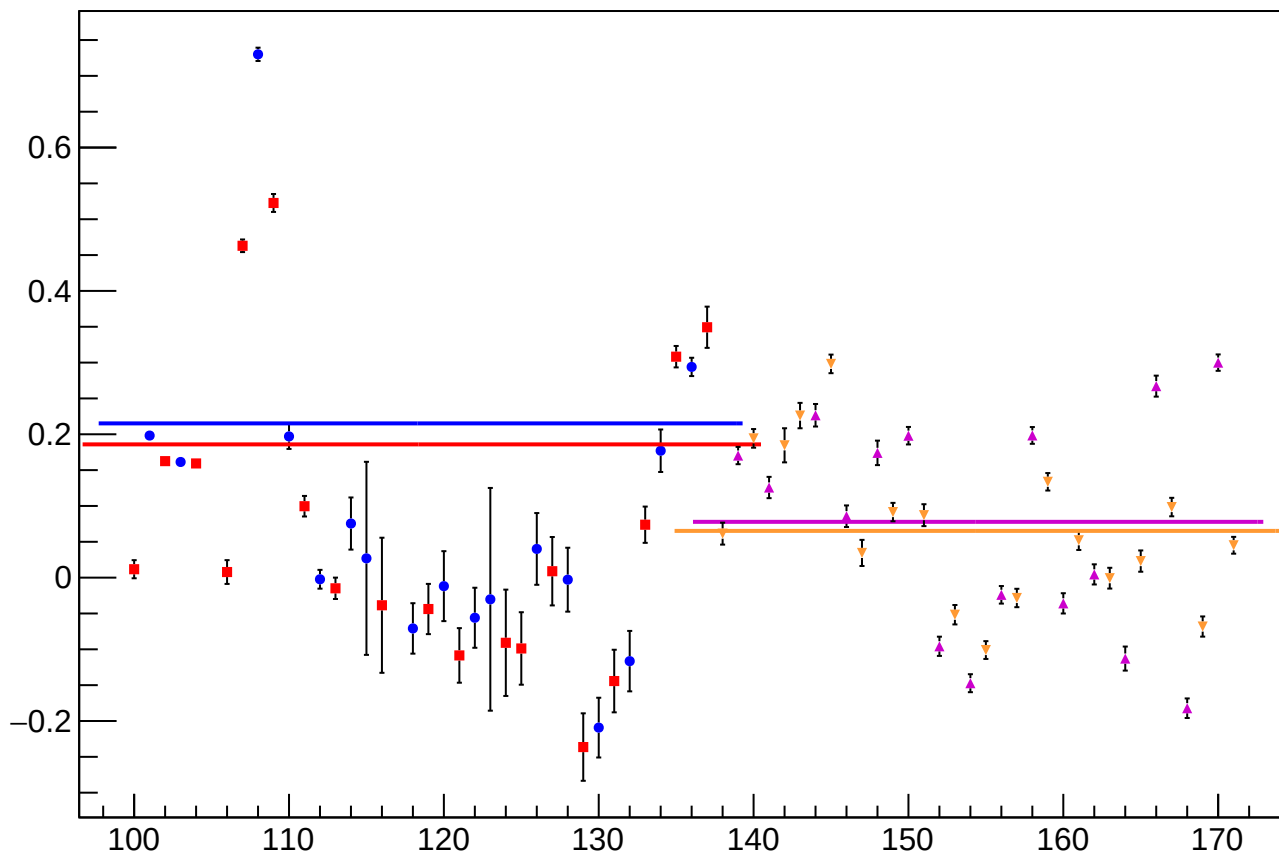
Right: 8.011+/-0.047 χ^2/NDF : 244638.0/35

In: 24.751+/-0.049 χ^2/NDF :313000.2/32

Out: 29.434+/-0.050 χ^2/NDF :281334.0/36

All: 27.051+/-0.035 χ^2/NDF : 598815.8/69

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.065 $\pm$ 0.003 χ^2 /NDF:1005.8/17

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

Left In: 0.078 $\pm$ 0.003 χ^2 /NDF:2080.7/15

Left: 0.071 $\pm$ 0.002 χ^2 /NDF: 3093.6/33

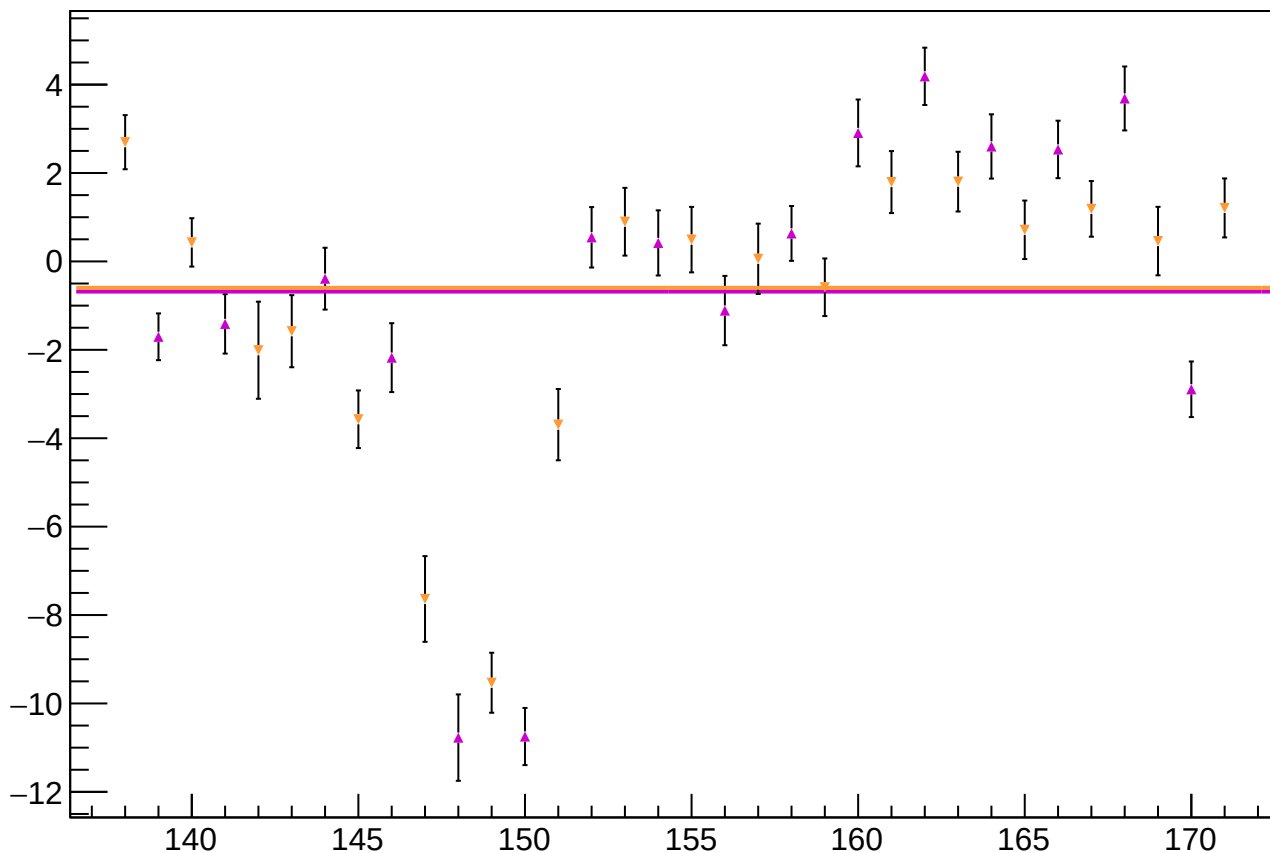
Right: 0.200 $\pm$ 0.002 χ^2 /NDF: 6701.6/35

In: 0.160 $\pm$ 0.002 χ^2 /NDF:6992.0/32

Out: 0.138 $\pm$ 0.002 χ^2 /NDF:4530.4/36

All: 0.149 $\pm$ 0.001 χ^2 /NDF: 11579.2/69

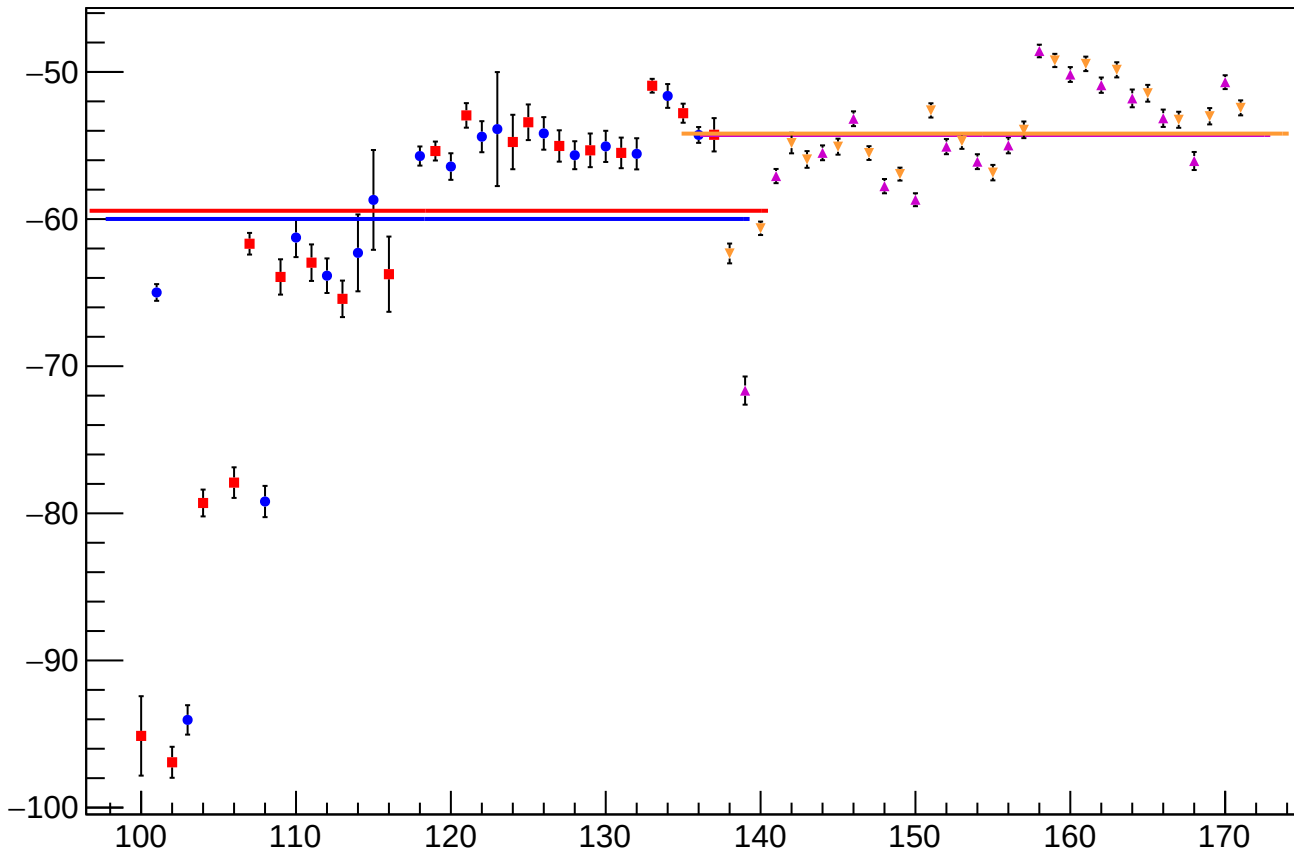
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.597 $\pm$ 0.167 χ^2 /NDF:349.1/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.682 $\pm$ 0.172 χ^2 /NDF:540.7/15

Left: -0.638 $\pm$ 0.120 χ^2 /NDF: 889.9/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.682 $\pm$ 0.172 χ^2 /NDF:540.7/15
 Out: -0.597 $\pm$ 0.167 χ^2 /NDF:349.1/17
 All: -0.638 $\pm$ 0.120 χ^2 /NDF: 889.9/33

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: -54.191 ± 0.123 χ^2/NDF : 770.0/17

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

Left In: -54.285 ± 0.130 χ^2/NDF : 914.2/15

Left: -54.236 ± 0.089 χ^2/NDF : 1684.5/33

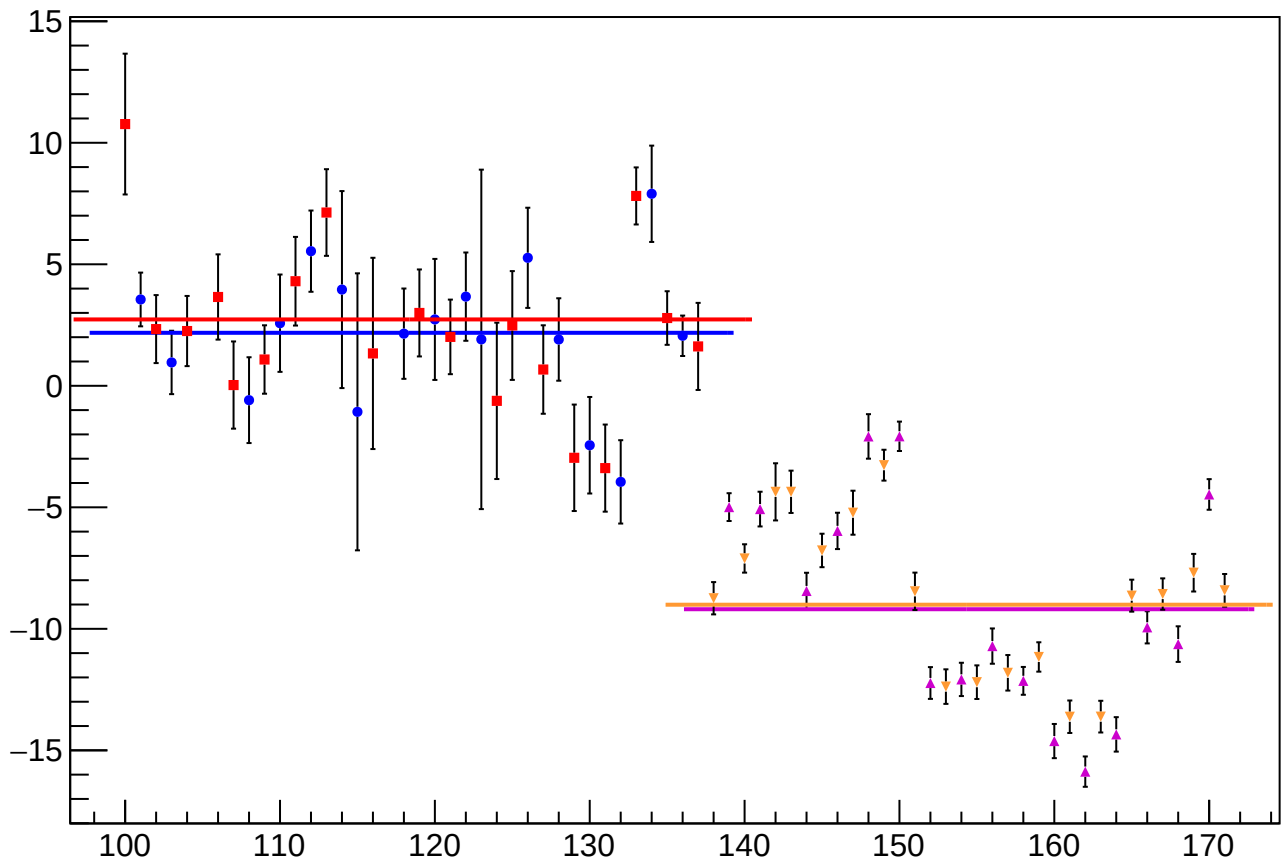
Right: -59.697 ± 0.154 χ^2/NDF : 4894.0/35

In: -55.707 ± 0.112 χ^2/NDF : 3370.4/32

Out: -55.511 ± 0.106 χ^2/NDF : 4146.0/36

All: -55.603 ± 0.077 χ^2/NDF : 7517.9/69

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: -9.008 ± 0.165 $\chi^2/\text{NDF}: 338.1/17$

Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -9.194 ± 0.169 $\chi^2/\text{NDF}: 663.8/15$

Left: -9.099 ± 0.118 $\chi^2/\text{NDF}: 1002.5/33$

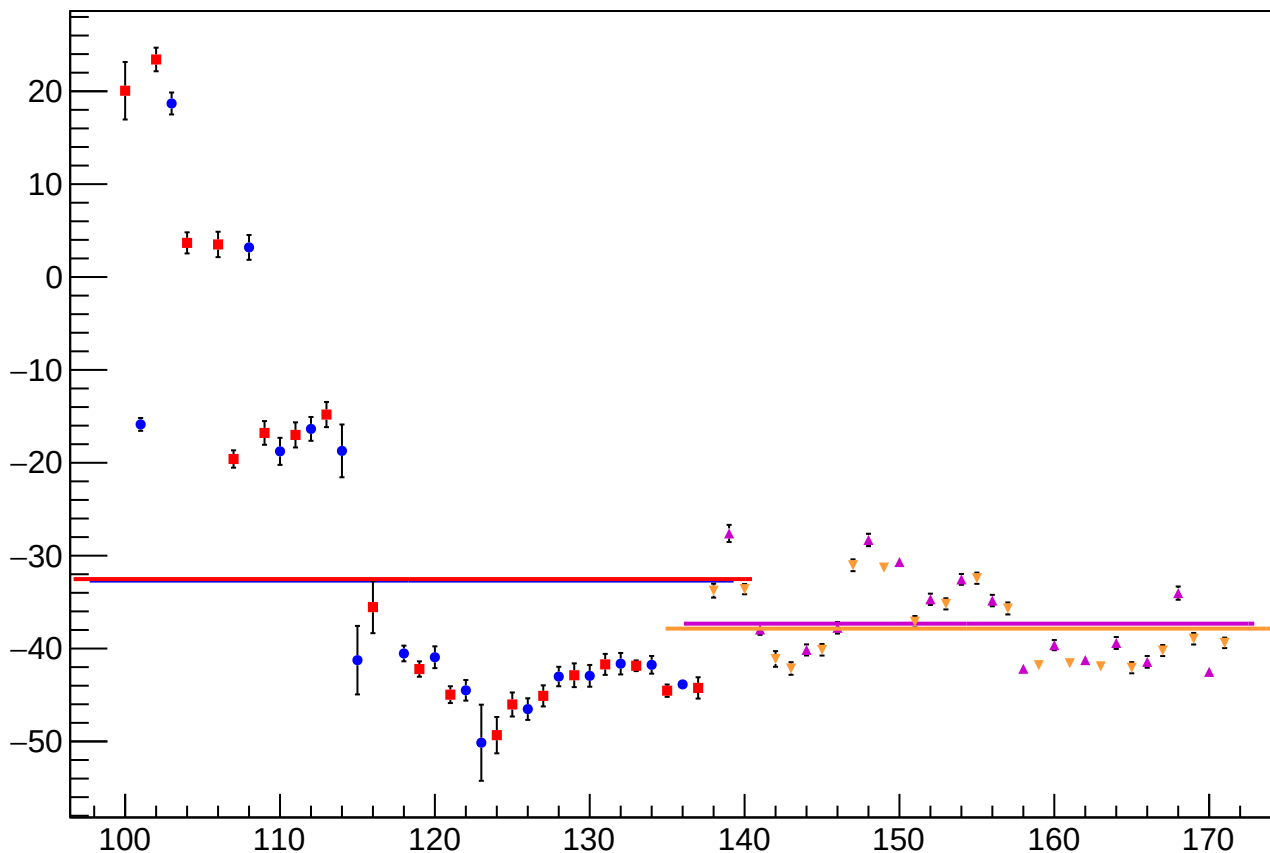
Right: 2.468 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$

In: -7.518 ± 0.156 $\chi^2/\text{NDF}: 1373.3/32$

Out: -7.205 ± 0.152 $\chi^2/\text{NDF}: 1171.9/36$

All: -7.358 ± 0.109 $\chi^2/\text{NDF}: 2547.3/69$

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: -37.854 ± 0.141 $\chi^2/\text{NDF}: 791.0/17$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

Left In: -37.319 ± 0.147 $\chi^2/\text{NDF}: 951.2/15$

Left: -37.598 ± 0.102 $\chi^2/\text{NDF}: 1749.1/33$

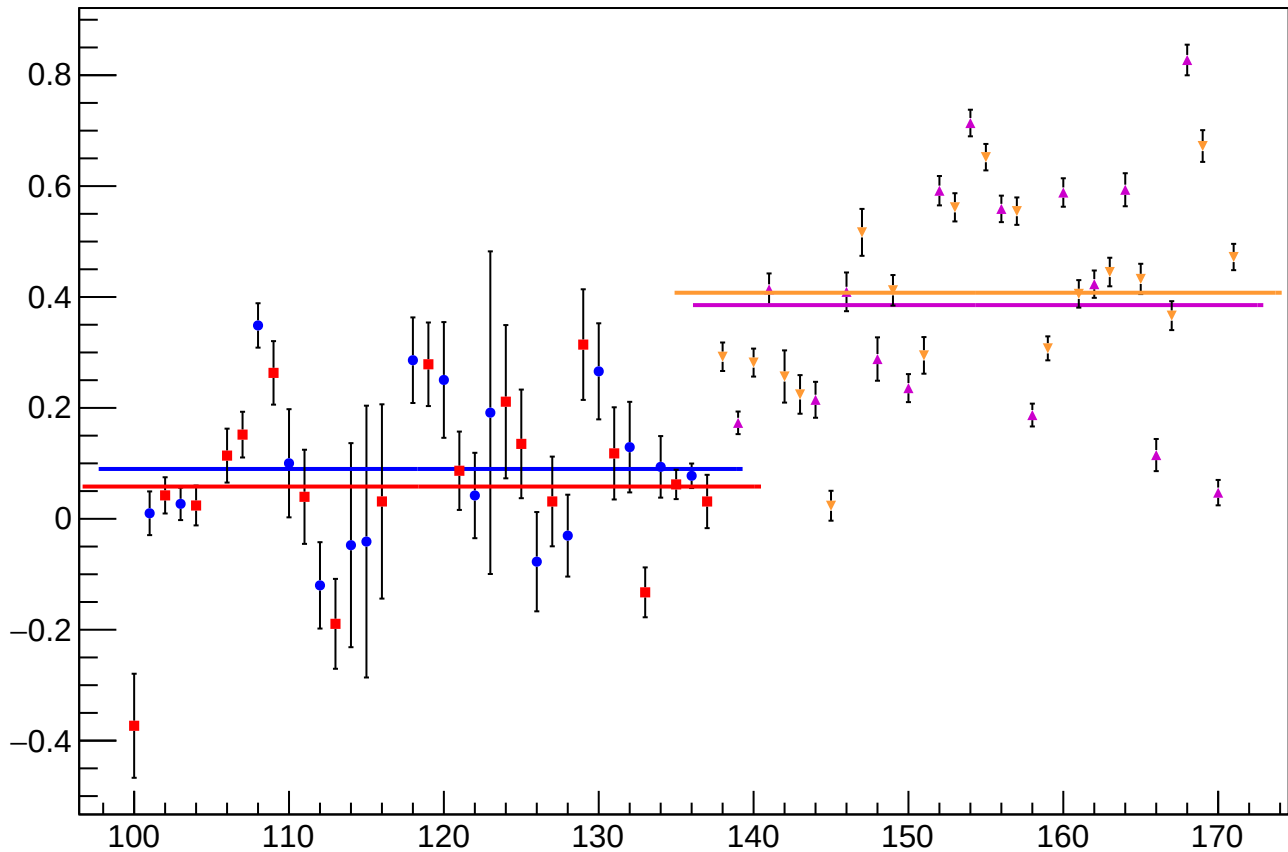
Right: -32.599 ± 0.177 $\chi^2/\text{NDF}: 10692.4/35$

In: -36.169 ± 0.127 $\chi^2/\text{NDF}: 5845.2/32$

Out: -36.526 ± 0.122 $\chi^2/\text{NDF}: 7194.7/36$

All: -36.356 ± 0.088 $\chi^2/\text{NDF}: 13044.1/69$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.408 ± 0.006 χ^2/NDF : 601.4/17

Right Out: 0.058 ± 0.012 χ^2/NDF : 87.1/18

Left In: 0.385 ± 0.007 χ^2/NDF : 1247.6/15

Left: 0.397 ± 0.005 χ^2/NDF : 1855.0/33

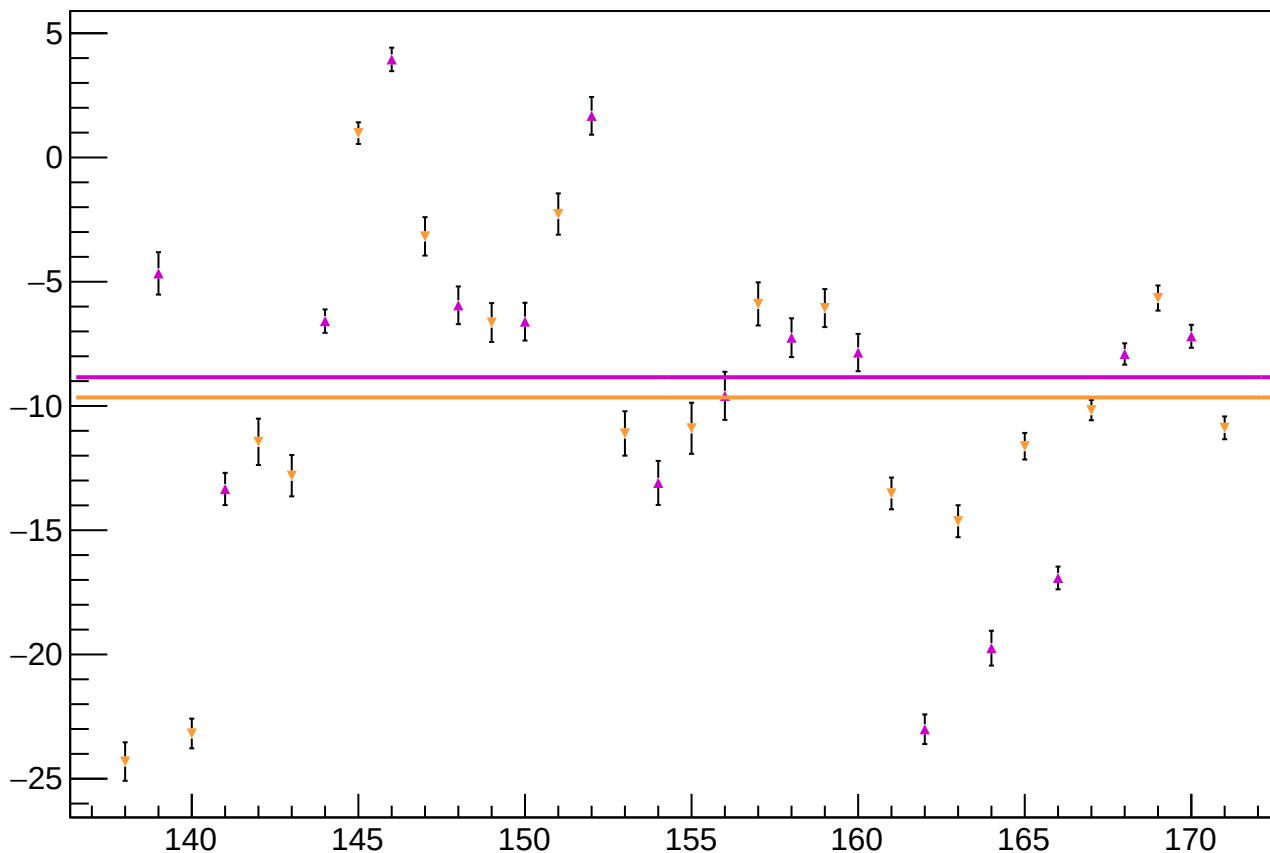
Right: 0.073 ± 0.009 χ^2/NDF : 169.1/35

In: 0.324 ± 0.006 χ^2/NDF : 1752.7/32

Out: 0.332 ± 0.006 χ^2/NDF : 1335.4/36

All: 0.328 ± 0.004 χ^2/NDF : 3089.1/69

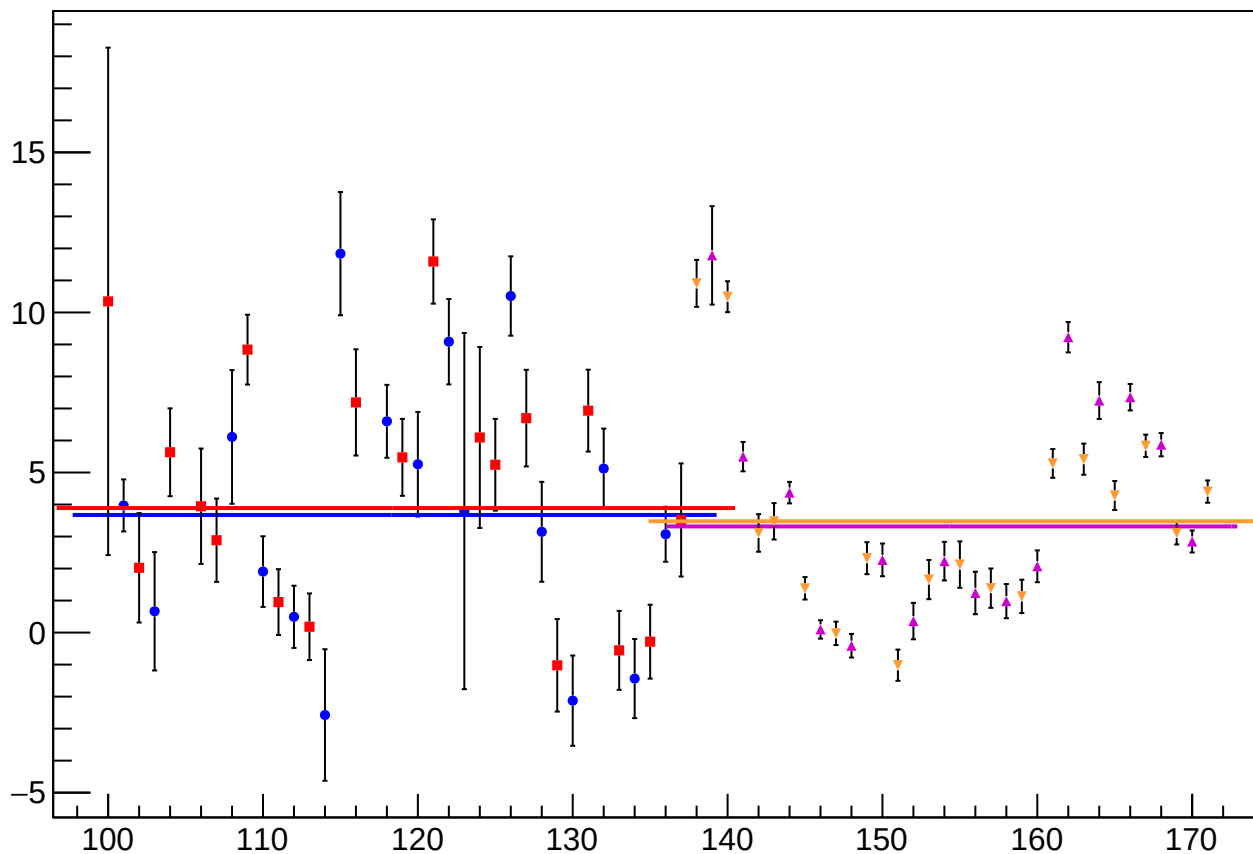
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -9.657 $\pm$ 0.148 χ^2/NDF :1874.9/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -8.843 $\pm$ 0.152 χ^2/NDF :2206.0/15

Left: -9.259 $\pm$ 0.106 χ^2/NDF : 4095.7/33
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -8.843 $\pm$ 0.152 χ^2/NDF :2206.0/15
 Out: -9.657 $\pm$ 0.148 χ^2/NDF :1874.9/17
 All: -9.259 $\pm$ 0.106 χ^2/NDF : 4095.7/33

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: 3.476 $\pm$ 0.108 χ^2 /NDF:664.9/17

Right Out: 3.890 $\pm$ 0.316 χ^2 /NDF: 133.7/18

Left In: 3.316 $\pm$ 0.110 χ^2 /NDF:708.7/15

Left: 3.397 $\pm$ 0.077 χ^2 /NDF: 1374.7/33

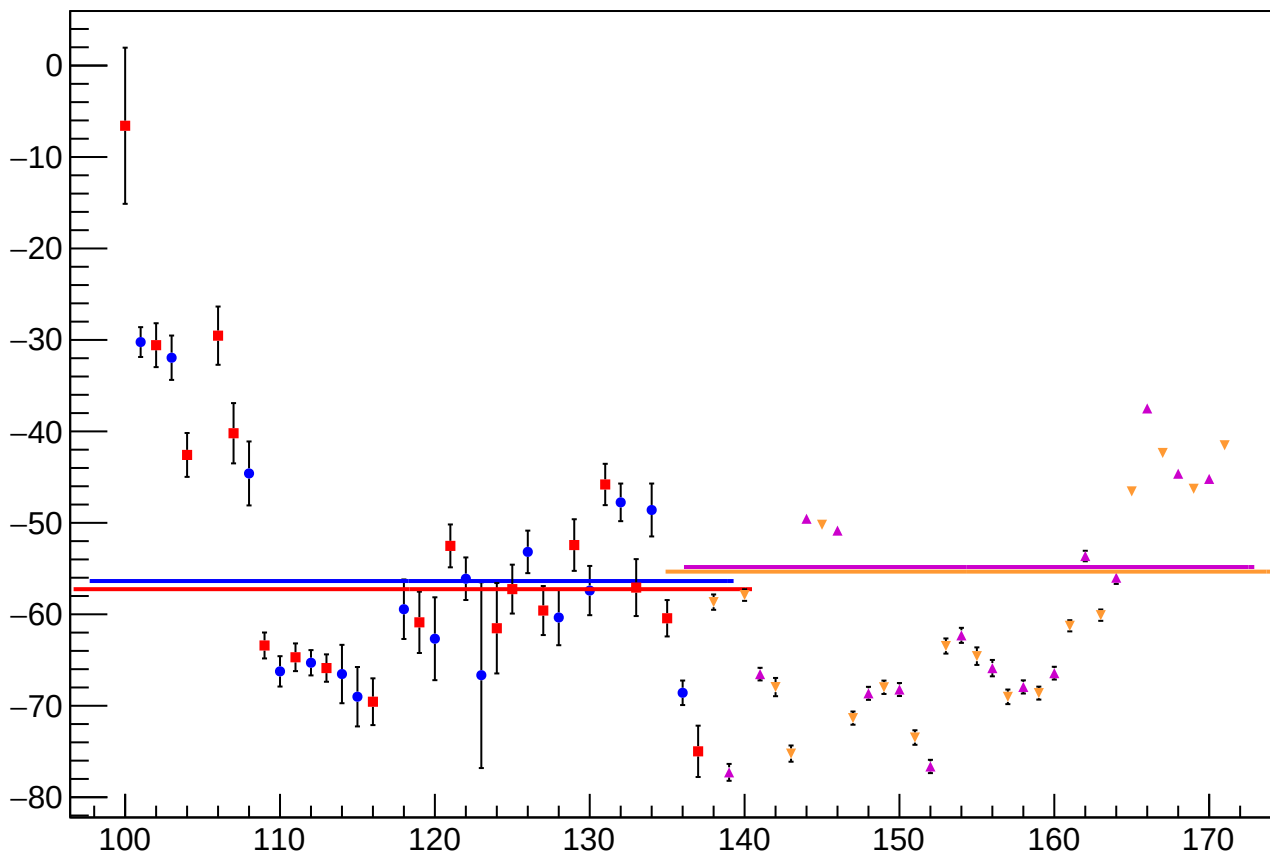
Right: 3.780 $\pm$ 0.221 χ^2 /NDF: 269.1/35

In: 3.356 $\pm$ 0.104 χ^2 /NDF:845.1/32

Out: 3.520 $\pm$ 0.103 χ^2 /NDF:800.2/36

All: 3.439 $\pm$ 0.073 χ^2 /NDF: 1646.5/69

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 $\chi^2/\text{NDF}: 587.2/16$

Left Out: -55.333 ± 0.148 $\chi^2/\text{NDF}: 5576.5/17$

Right Out: -57.252 ± 0.536 $\chi^2/\text{NDF}: 476.0/18$

Left In: -54.829 ± 0.150 $\chi^2/\text{NDF}: 5913.0/15$

Left: -55.085 ± 0.106 $\chi^2/\text{NDF}: 11495.2/33$

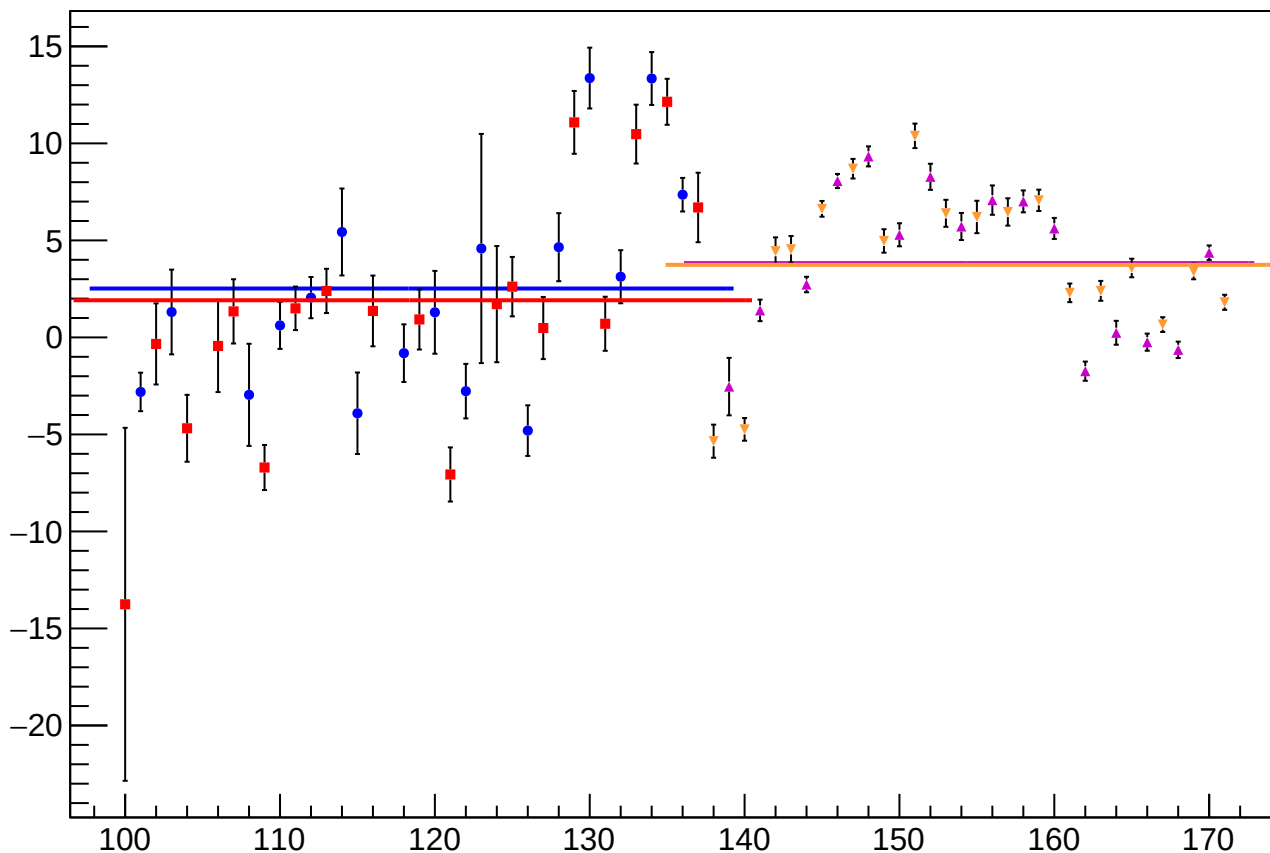
Right: -56.813 ± 0.382 $\chi^2/\text{NDF}: 1064.6/35$

In: -54.938 ± 0.145 $\chi^2/\text{NDF}: 6507.6/32$

Out: -55.469 ± 0.143 $\chi^2/\text{NDF}: 6064.4/36$

All: -55.207 ± 0.102 $\chi^2/\text{NDF}: 12578.8/69$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 3.741 ± 0.124 χ^2/NDF : 770.2/17

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

Left In: 3.831 ± 0.128 χ^2/NDF : 771.4/15

Left: 3.785 ± 0.089 χ^2/NDF : 1541.9/33

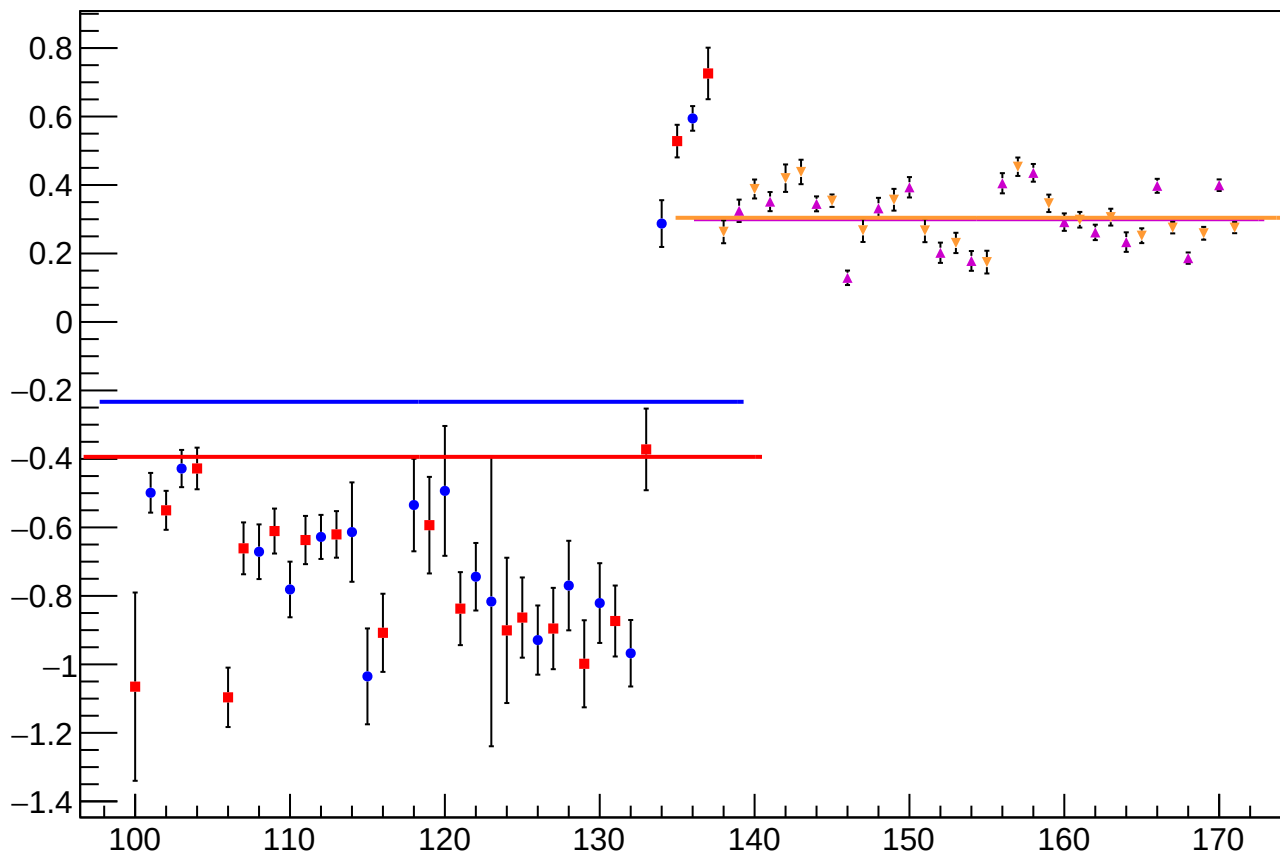
Right: 2.224 ± 0.248 χ^2/NDF : 508.4/35

In: 3.674 ± 0.120 χ^2/NDF : 1026.3/32

Out: 3.541 ± 0.117 χ^2/NDF : 1058.4/36

All: 3.606 ± 0.084 χ^2/NDF : 2085.3/69

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: 0.304 ± 0.006 χ^2/NDF : 118.4/17

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.300 ± 0.006 χ^2/NDF : 266.2/15

Left: 0.302 ± 0.004 χ^2/NDF : 384.8/33

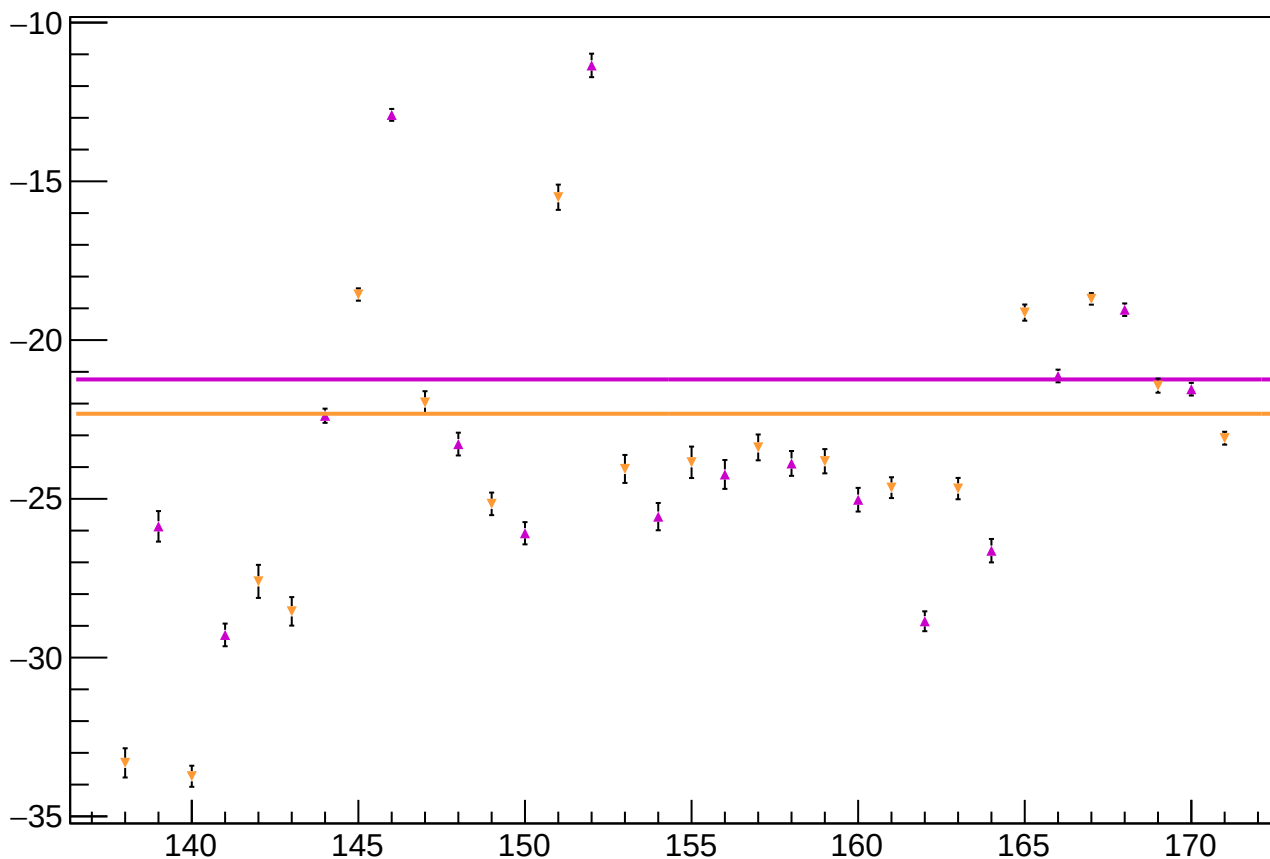
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.252 ± 0.006 χ^2/NDF : 1946.2/32

Out: 0.246 ± 0.006 χ^2/NDF : 2201.8/36

All: 0.248 ± 0.004 χ^2/NDF : 4148.6/69

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -22.320 $\pm$ 0.070 χ^2 /NDF:3508.9/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -21.239 $\pm$ 0.071 χ^2 /NDF:4766.9/15

Left: -21.780 $\pm$ 0.050 χ^2 /NDF: 8393.4/33

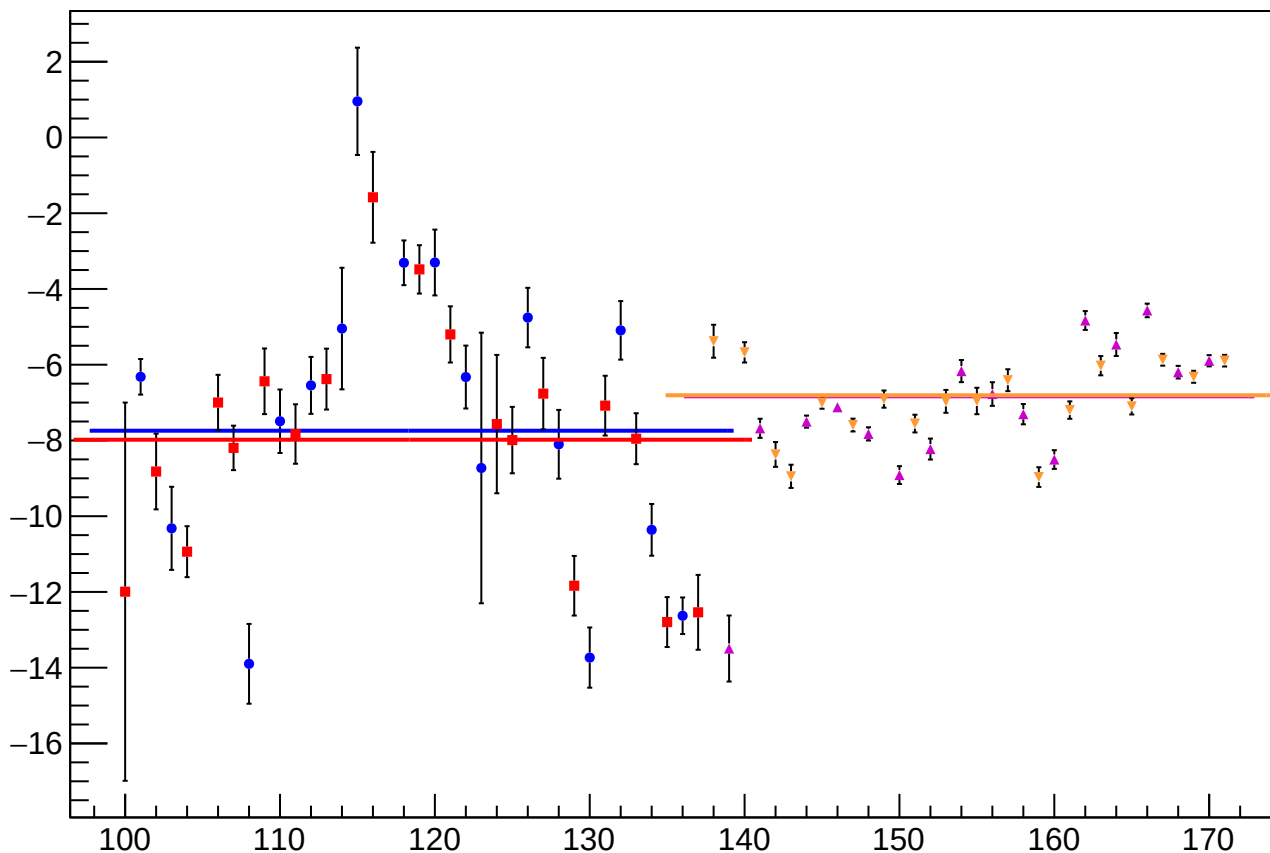
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -21.239 $\pm$ 0.071 χ^2 /NDF:4766.9/15

Out: -22.320 $\pm$ 0.070 χ^2 /NDF:3508.9/17

All: -21.780 $\pm$ 0.050 χ^2 /NDF: 8393.4/33

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: -6.807 ± 0.052 χ^2/NDF : 300.1/17

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

Left In: -6.835 ± 0.051 χ^2/NDF : 581.3/15

Left: -6.821 ± 0.036 χ^2/NDF : 881.6/33

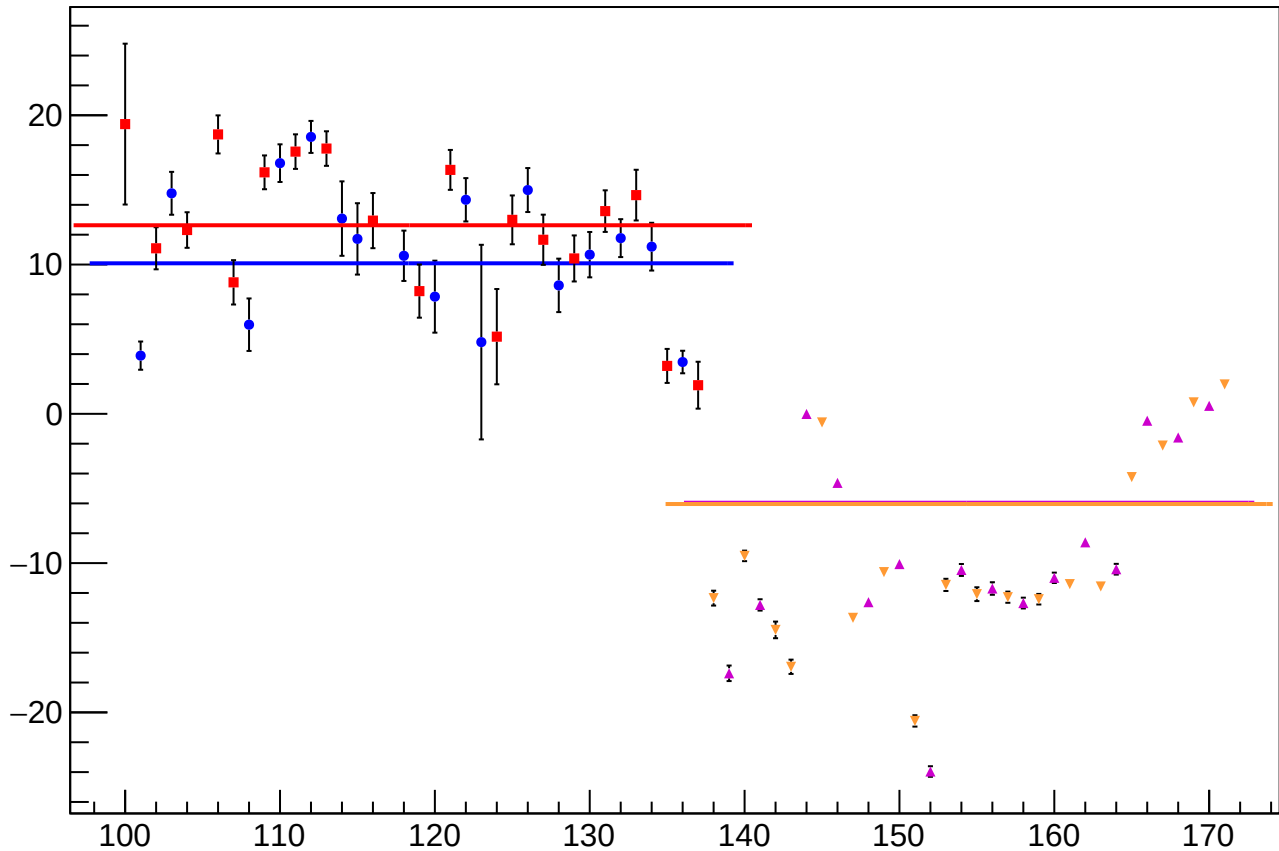
Right: -7.863 ± 0.132 χ^2/NDF : 601.9/35

In: -6.898 ± 0.049 χ^2/NDF : 980.8/32

Out: -6.891 ± 0.050 χ^2/NDF : 560.7/36

All: -6.894 ± 0.035 χ^2/NDF : 1541.4/69

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: -6.042 ± 0.070 $\chi^2/\text{NDF}: 8381.7/17$

Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$

Left In: -5.955 ± 0.070 $\chi^2/\text{NDF}: 7974.4/15$

Left: -5.998 ± 0.050 $\chi^2/\text{NDF}: 16356.8/33$

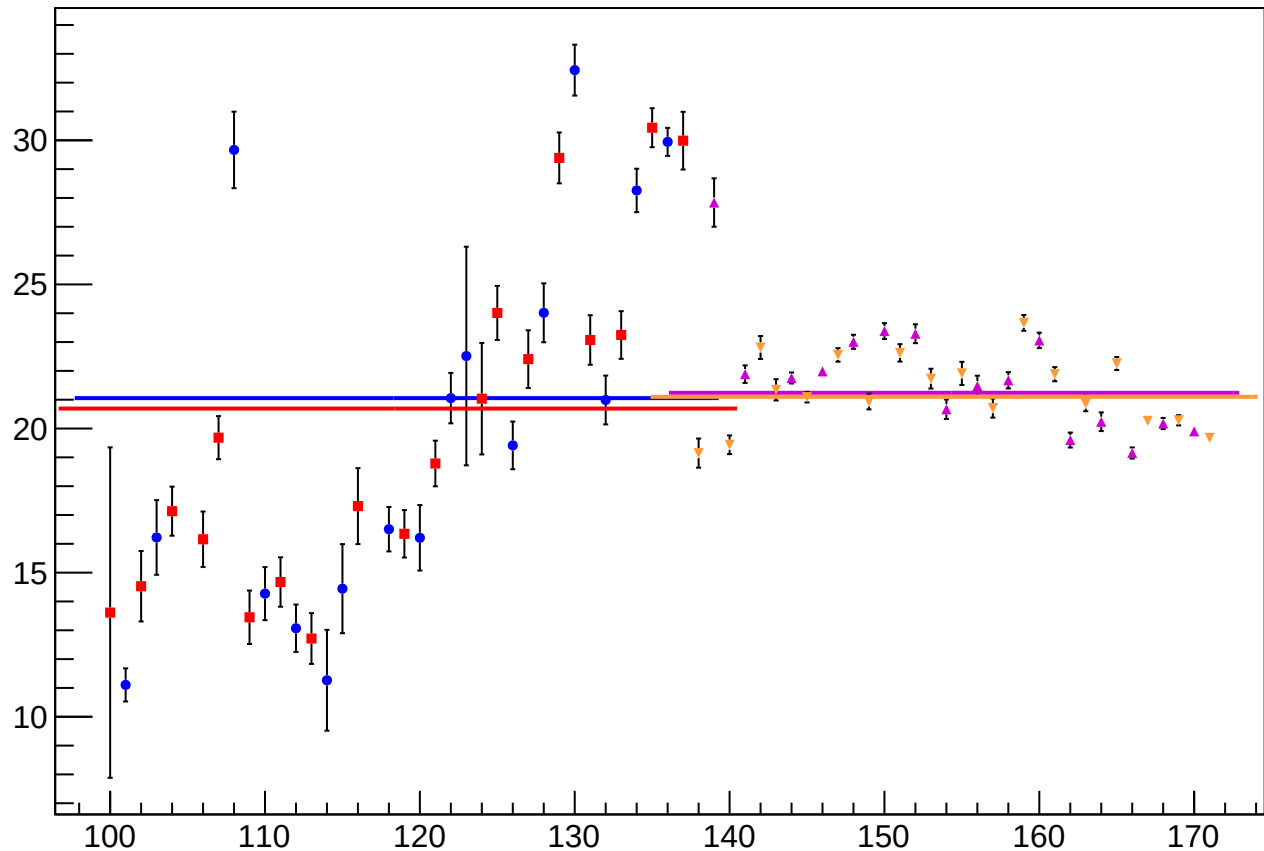
Right: 11.377 ± 0.237 $\chi^2/\text{NDF}: 500.1/35$

In: -5.300 ± 0.068 $\chi^2/\text{NDF}: 10387.7/32$

Out: -5.244 ± 0.069 $\chi^2/\text{NDF}: 11616.6/36$

All: -5.272 ± 0.048 $\chi^2/\text{NDF}: 22004.7/69$

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: 21.100 $\pm$ 0.059 χ^2 /NDF:372.0/17

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

Left In: 21.241 $\pm$ 0.059 χ^2 /NDF:569.4/15

Left: 21.170 $\pm$ 0.042 χ^2 /NDF: 944.2/33

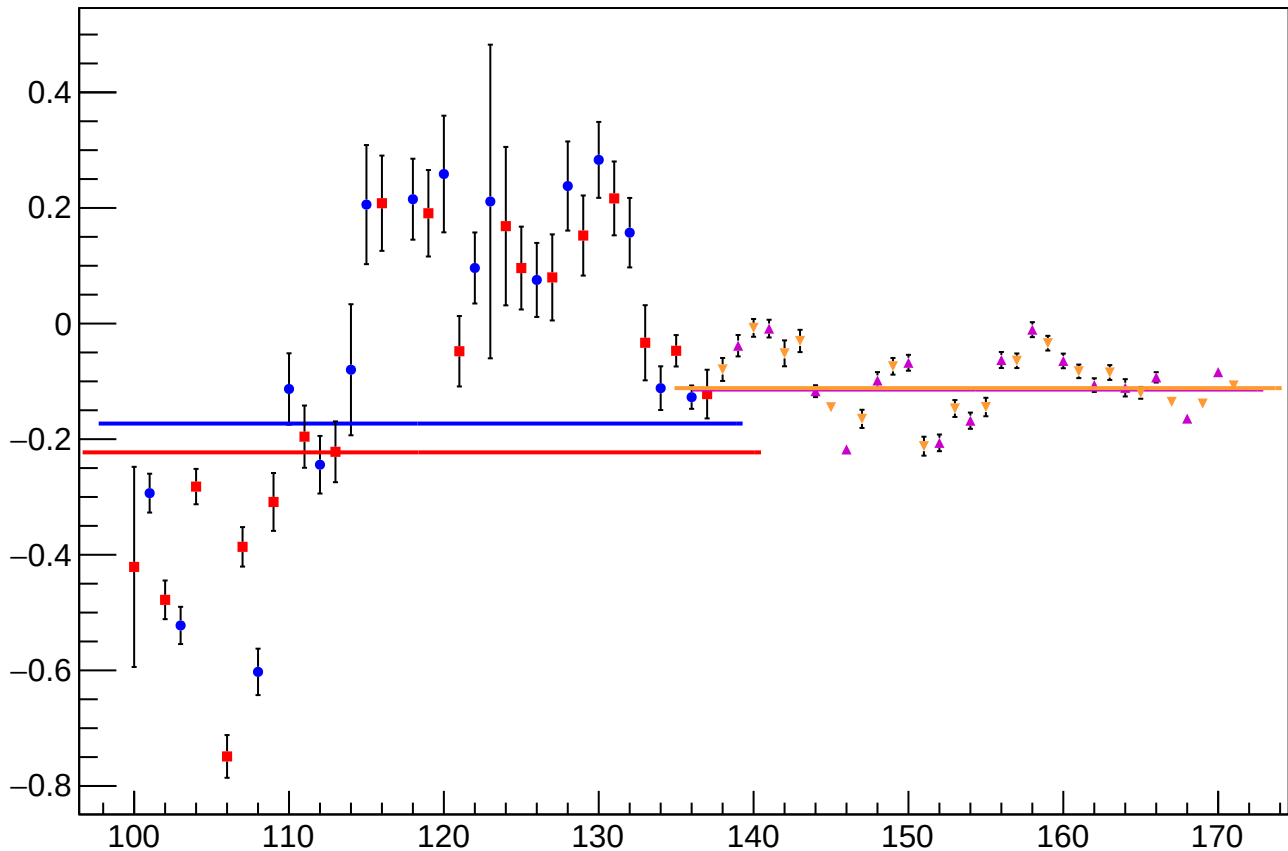
Right: 20.876 $\pm$ 0.150 χ^2 /NDF: 1937.3/35

In: 21.227 $\pm$ 0.057 χ^2 /NDF:1781.9/32

Out: 21.071 $\pm$ 0.057 χ^2 /NDF:1099.5/36

All: 21.149 $\pm$ 0.040 χ^2 /NDF: 2885.1/69

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: -0.112 ± 0.003 χ^2/NDF : 239.9/17

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.114 ± 0.003 χ^2/NDF : 442.7/15

Left: -0.113 ± 0.002 χ^2/NDF : 683.0/33

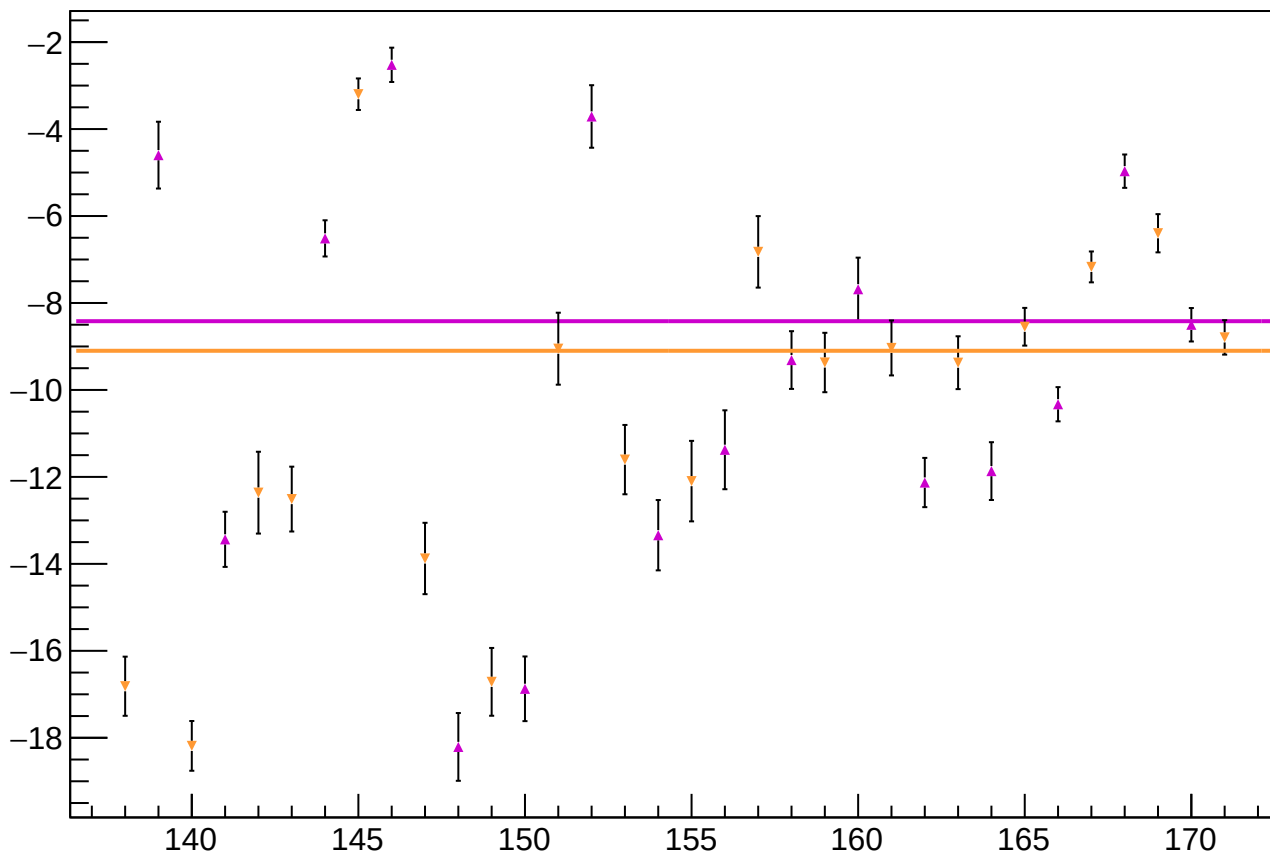
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.118 ± 0.003 χ^2/NDF : 930.5/32

Out: -0.118 ± 0.003 χ^2/NDF : 871.9/36

All: -0.118 ± 0.002 χ^2/NDF : 1802.4/69

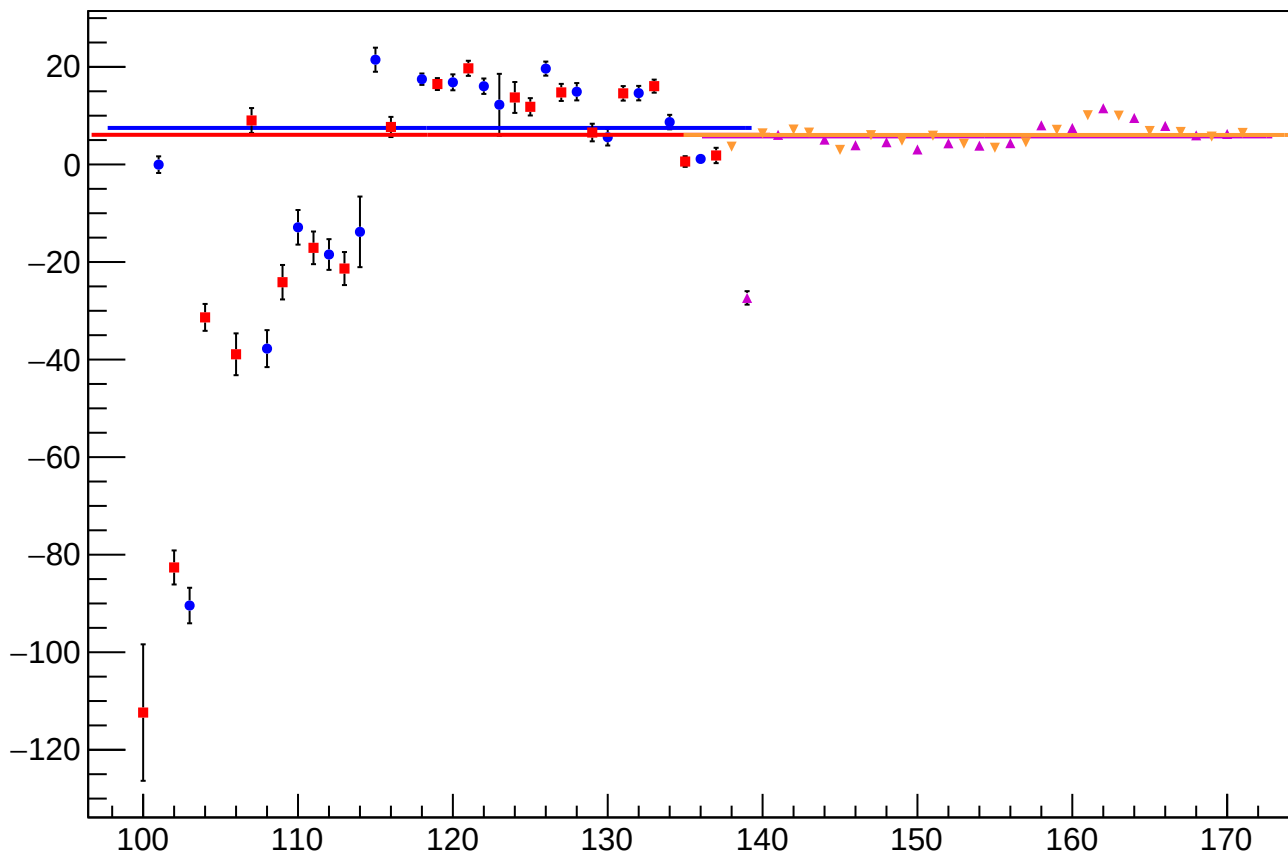
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -9.099 $\pm$ 0.133 χ^2/NDF :905.8/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -8.419 $\pm$ 0.136 χ^2/NDF :886.4/15

Left: -8.767 $\pm$ 0.095 χ^2/NDF : 1805.1/33
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -8.419 $\pm$ 0.136 χ^2/NDF :886.4/15
 Out: -9.099 $\pm$ 0.133 χ^2/NDF :905.8/17
 All: -8.767 $\pm$ 0.095 χ^2/NDF : 1805.1/33

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 ± 0.407 $\chi^2/\text{NDF}: 1340.5/16$

Left Out: 6.047 ± 0.098 $\chi^2/\text{NDF}: 345.2/17$

Right Out: 6.078 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 5.746 ± 0.100 $\chi^2/\text{NDF}: 983.4/15$

Left: 5.899 ± 0.070 $\chi^2/\text{NDF}: 1333.2/33$

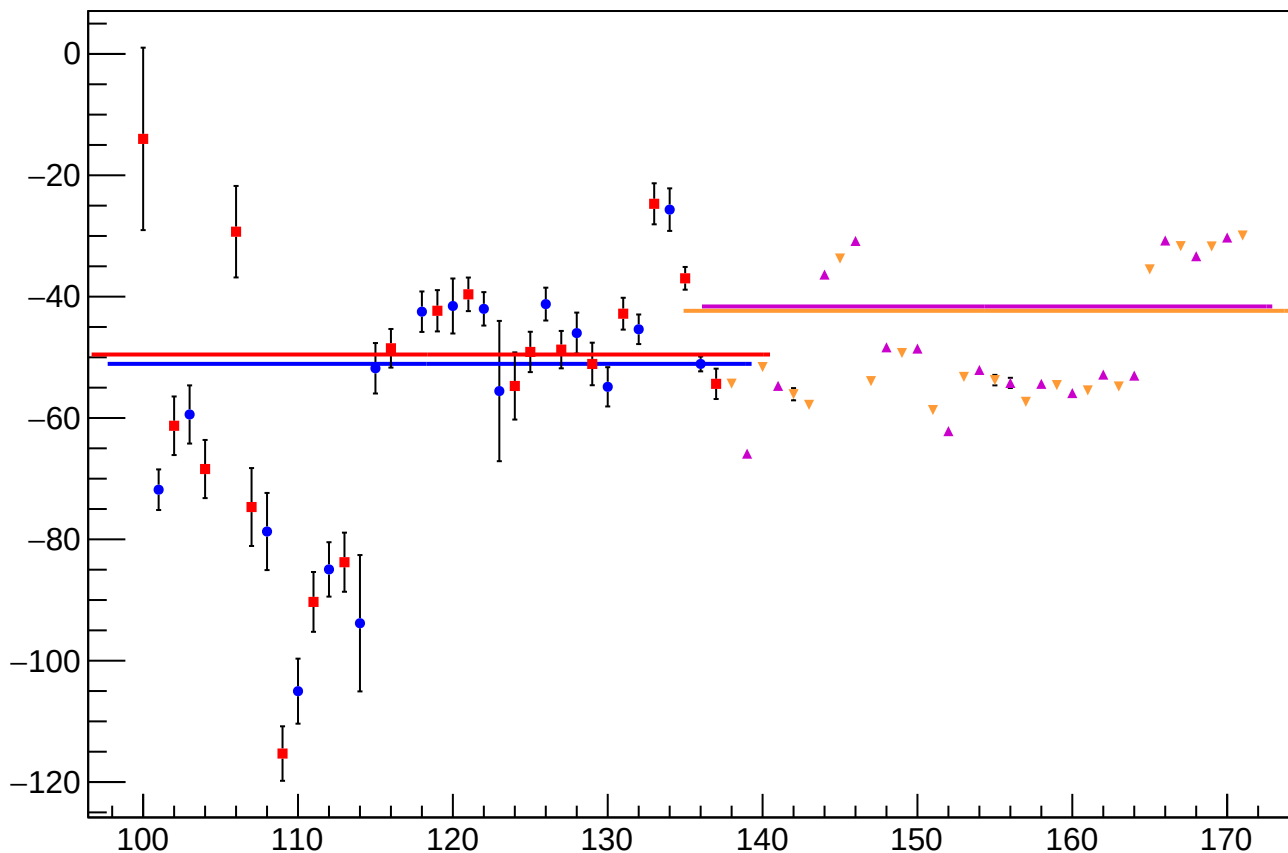
Right: 6.829 ± 0.297 $\chi^2/\text{NDF}: 2858.2/35$

In: 5.845 ± 0.097 $\chi^2/\text{NDF}: 2341.3/32$

Out: 6.048 ± 0.096 $\chi^2/\text{NDF}: 1857.3/36$

All: 5.948 ± 0.068 $\chi^2/\text{NDF}: 4200.8/69$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



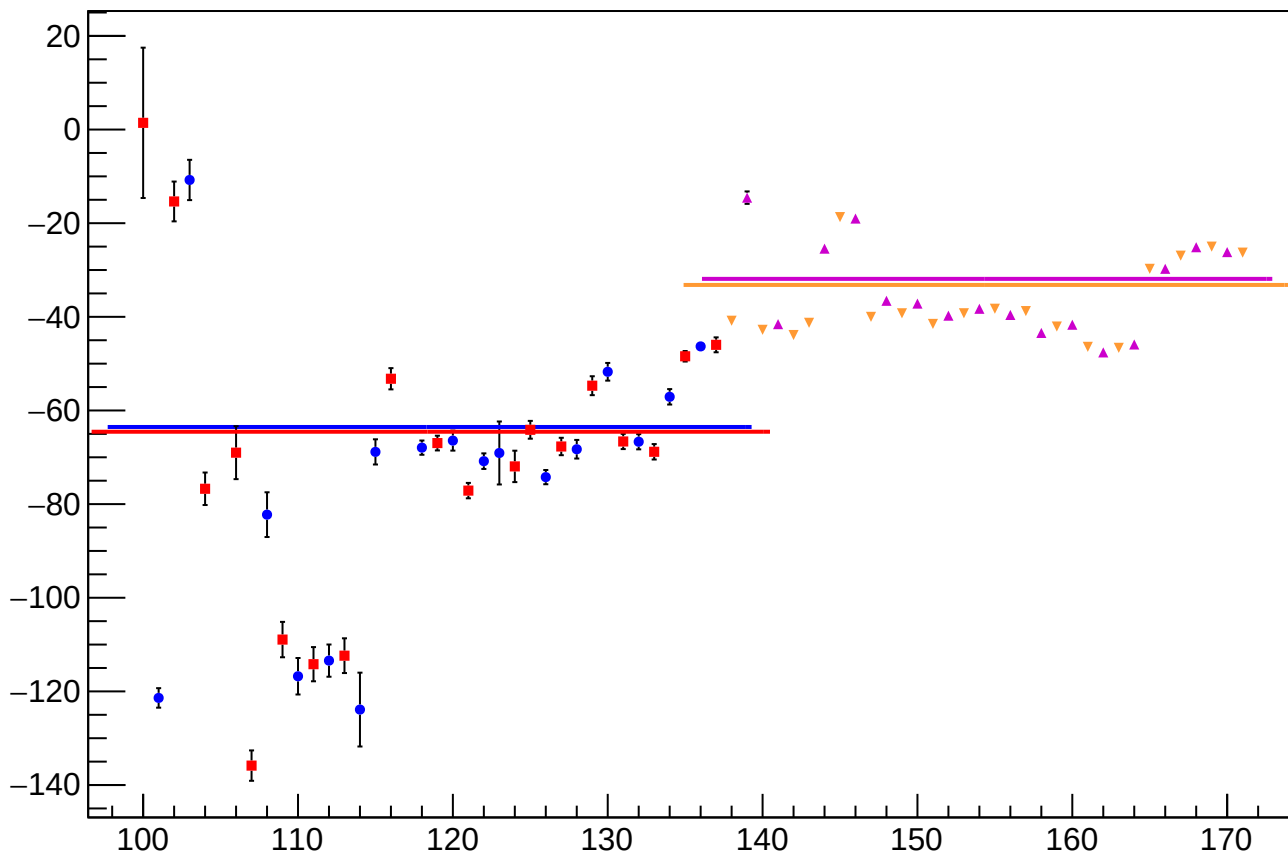
Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16
 Left Out: -42.336 ± 0.133 χ^2/NDF : 7049.1/17
 Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18
 Left In: -41.619 ± 0.135 χ^2/NDF : 7345.2/15

Left: -41.982 ± 0.095 χ^2/NDF : 14408.6/33
 Right: -50.365 ± 0.543 χ^2/NDF : 841.8/35

In: -41.921 ± 0.133 χ^2/NDF : 7833.1/32
 Out: -42.530 ± 0.131 χ^2/NDF : 7637.8/36

All: -42.229 ± 0.093 χ^2/NDF : 15481.6/69

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 $\pm$ 0.449 χ^2 /NDF: 2010.9/16

Left Out: -33.189 $\pm$ 0.112 χ^2 /NDF: 6600.5/17

Right Out: -64.540 $\pm$ 0.483 χ^2 /NDF: 1603.1/18

Left In: -31.891 $\pm$ 0.115 χ^2 /NDF: 6343.4/15

Left: -32.557 $\pm$ 0.080 χ^2 /NDF: 13009.0/33

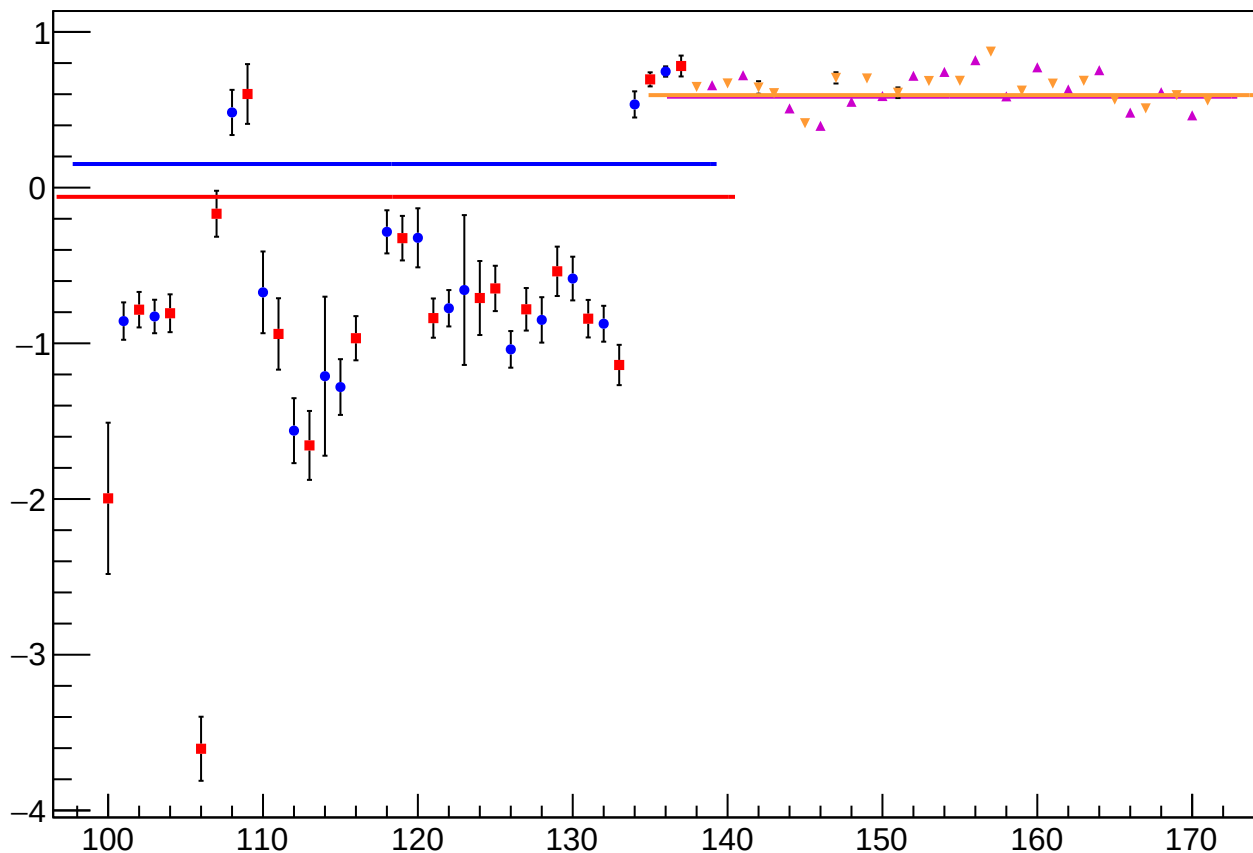
Right: -63.995 $\pm$ 0.329 χ^2 /NDF: 3616.4/35

In: -33.847 $\pm$ 0.112 χ^2 /NDF: 13018.2/32

Out: -34.792 $\pm$ 0.109 χ^2 /NDF: 12202.0/36

All: -34.329 $\pm$ 0.078 χ^2 /NDF: 25256.8/69

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: 0.594 ± 0.005 χ^2/NDF : 386.4/17

Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18

Left In: 0.584 ± 0.005 χ^2/NDF : 502.5/15

Left: 0.589 ± 0.004 χ^2/NDF : 890.8/33

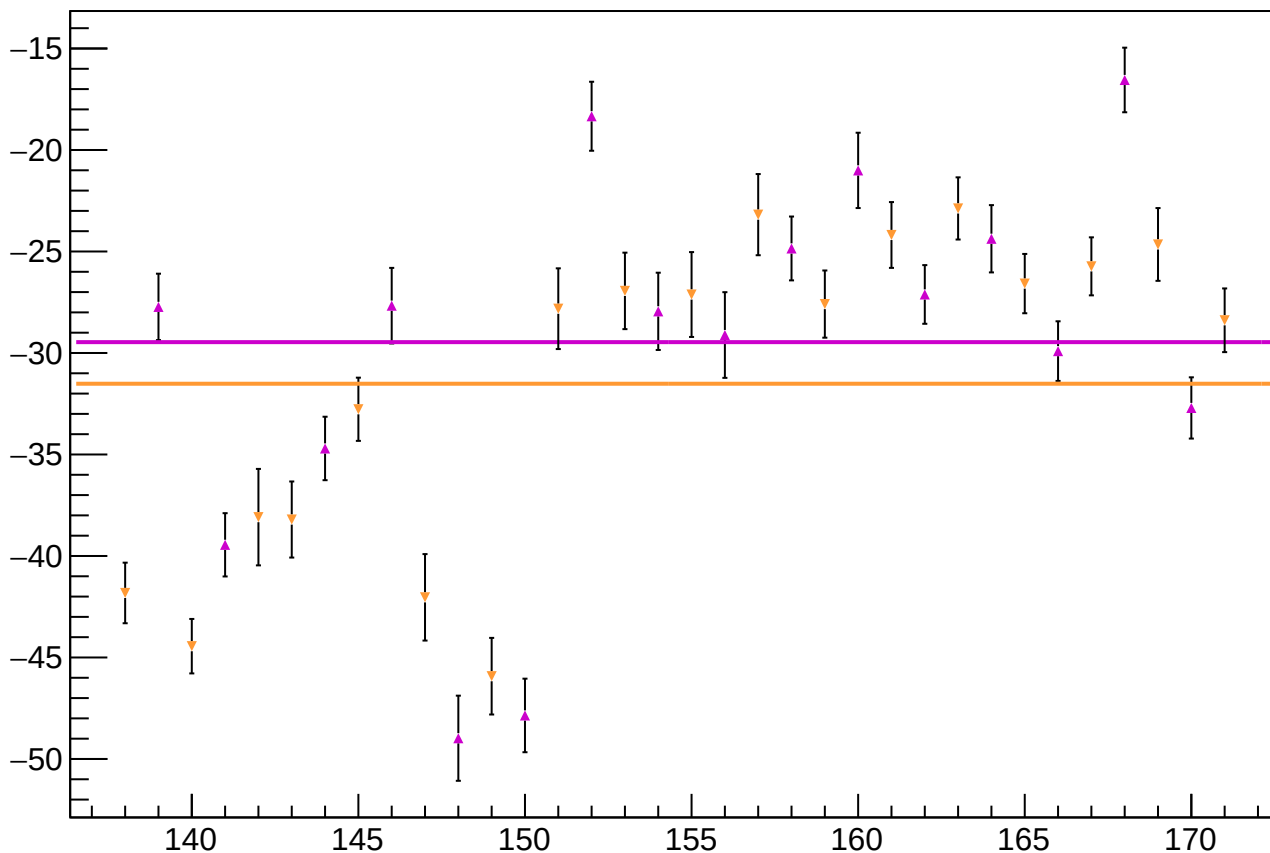
Right: 0.056 ± 0.018 χ^2/NDF : 2184.3/35

In: 0.563 ± 0.005 χ^2/NDF : 1798.1/32

Out: 0.570 ± 0.005 χ^2/NDF : 2142.9/36

All: 0.567 ± 0.004 χ^2/NDF : 3941.7/69

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: -31.515+/-0.400 χ^2/NDF :379.7/17

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

Left In: -29.465+/-0.419 χ^2/NDF :399.5/15

Left: -30.537+/-0.289 χ^2/NDF : 791.7/33

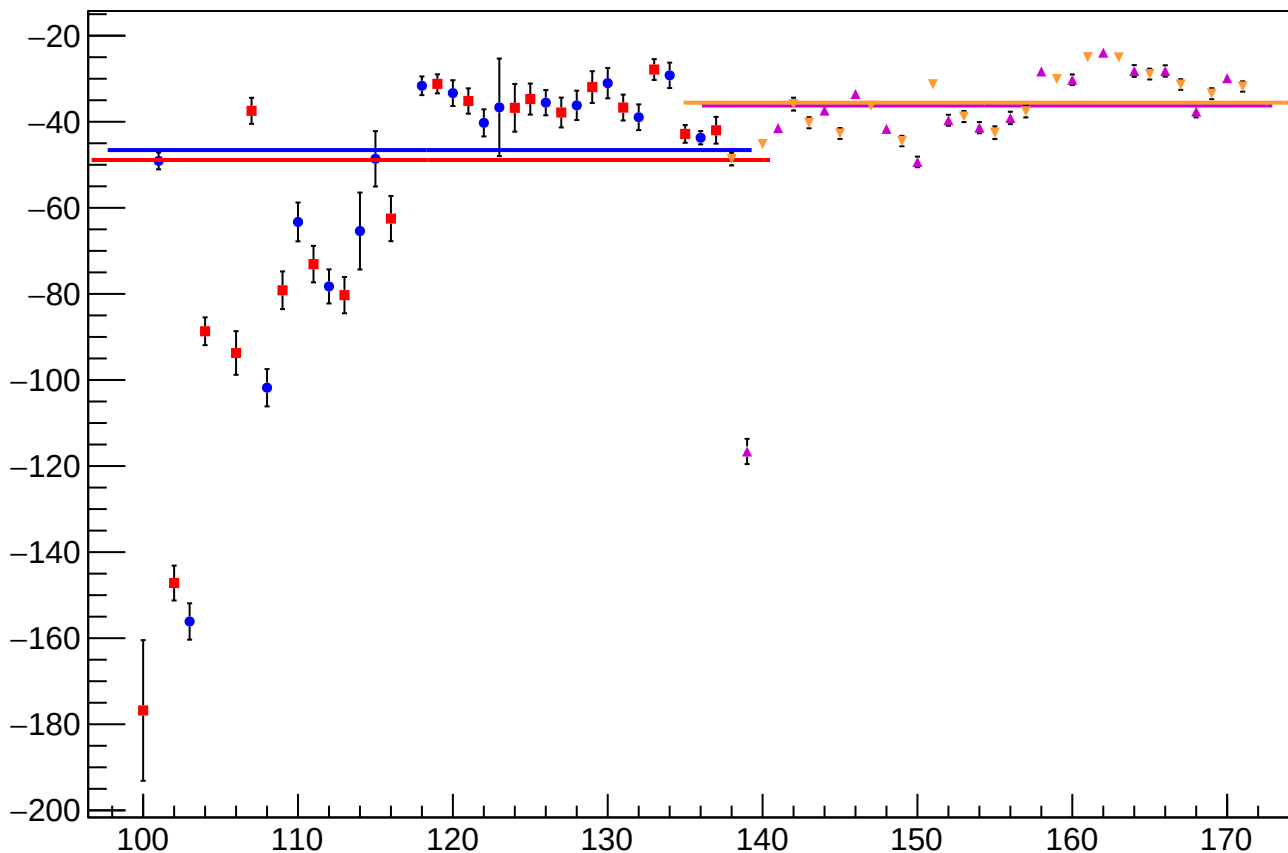
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.465+/-0.419 χ^2/NDF :399.5/15

Out: -31.515+/-0.400 χ^2/NDF :379.7/17

All: -30.537+/-0.289 χ^2/NDF : 791.7/33

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -35.565 ± 0.291 $\chi^2/\text{NDF}: 542.3/17$

Right Out: -48.888 ± 0.763 $\chi^2/\text{NDF}: 1277.5/18$

Left In: -36.225 ± 0.309 $\chi^2/\text{NDF}: 1244.4/15$

Left: -35.876 ± 0.212 $\chi^2/\text{NDF}: 1789.2/33$

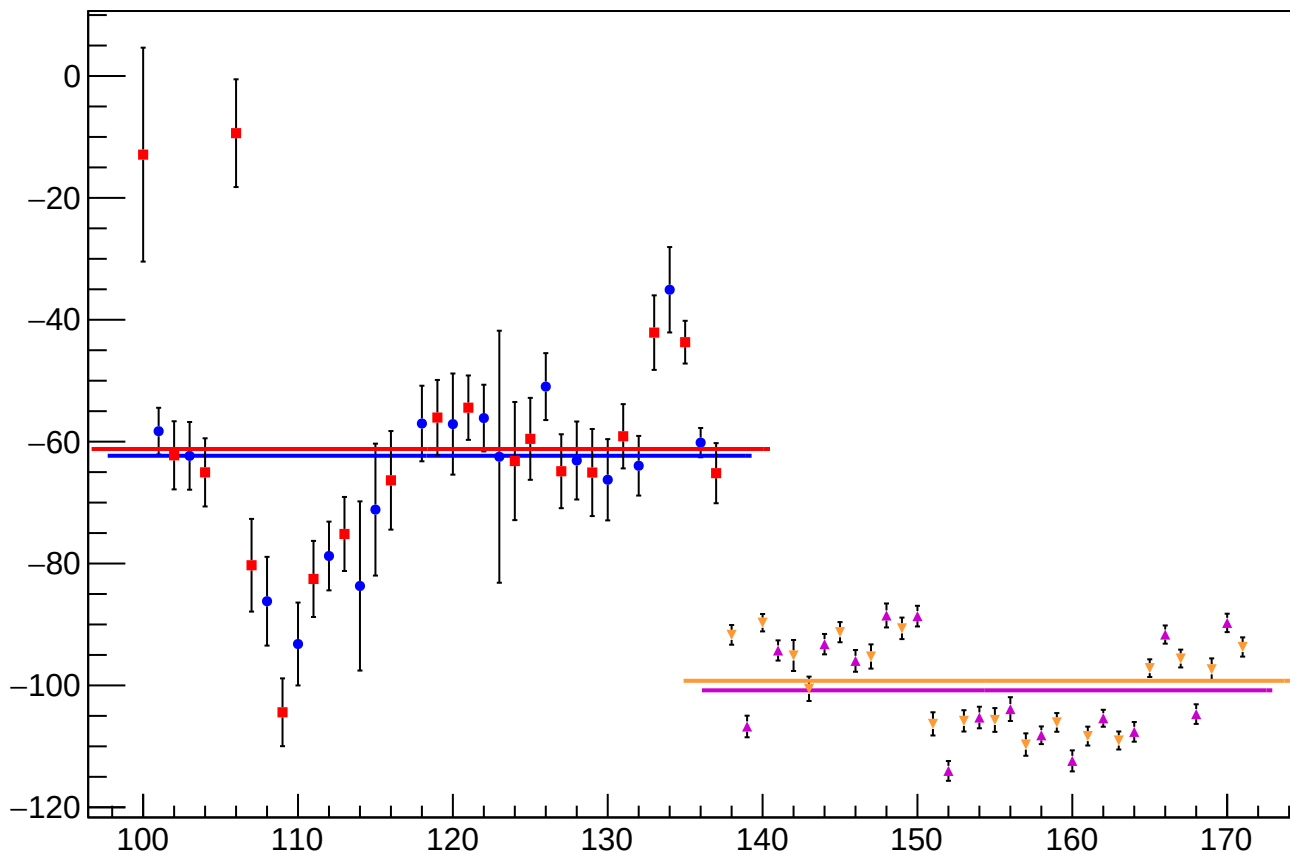
Right: -47.681 ± 0.527 $\chi^2/\text{NDF}: 2358.7/35$

In: -37.795 ± 0.284 $\chi^2/\text{NDF}: 2491.6/32$

Out: -37.257 ± 0.272 $\chi^2/\text{NDF}: 2085.7/36$

All: -37.515 ± 0.197 $\chi^2/\text{NDF}: 4579.2/69$

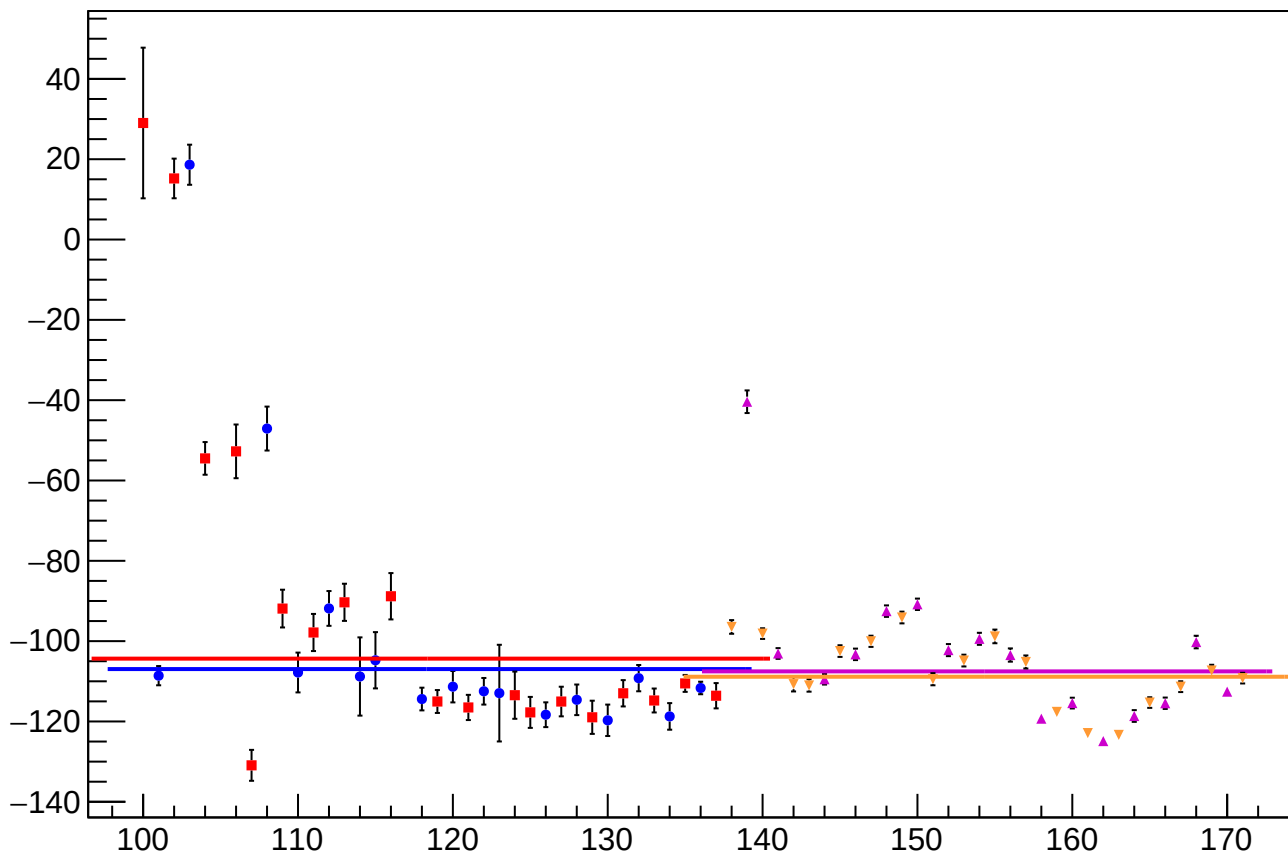
reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$
 Left Out: -99.242 ± 0.397 $\chi^2/\text{NDF}: 311.3/17$
 Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$
 Left In: -100.807 ± 0.412 $\chi^2/\text{NDF}: 416.8/15$

Left: -99.997 ± 0.286 $\chi^2/\text{NDF}: 735.6/33$
 Right: -61.786 ± 0.953 $\chi^2/\text{NDF}: 232.5/35$
 In: -97.376 ± 0.393 $\chi^2/\text{NDF}: 1263.7/32$
 Out: -96.332 ± 0.382 $\chi^2/\text{NDF}: 1177.0/36$
 All: -96.839 ± 0.274 $\chi^2/\text{NDF}: 2444.3/69$

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: -108.863 ± 0.334 $\chi^2/\text{NDF}: 686.0/17$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -107.532 ± 0.353 $\chi^2/\text{NDF}: 1362.2/15$

Left: -108.233 ± 0.243 $\chi^2/\text{NDF}: 2055.8/33$

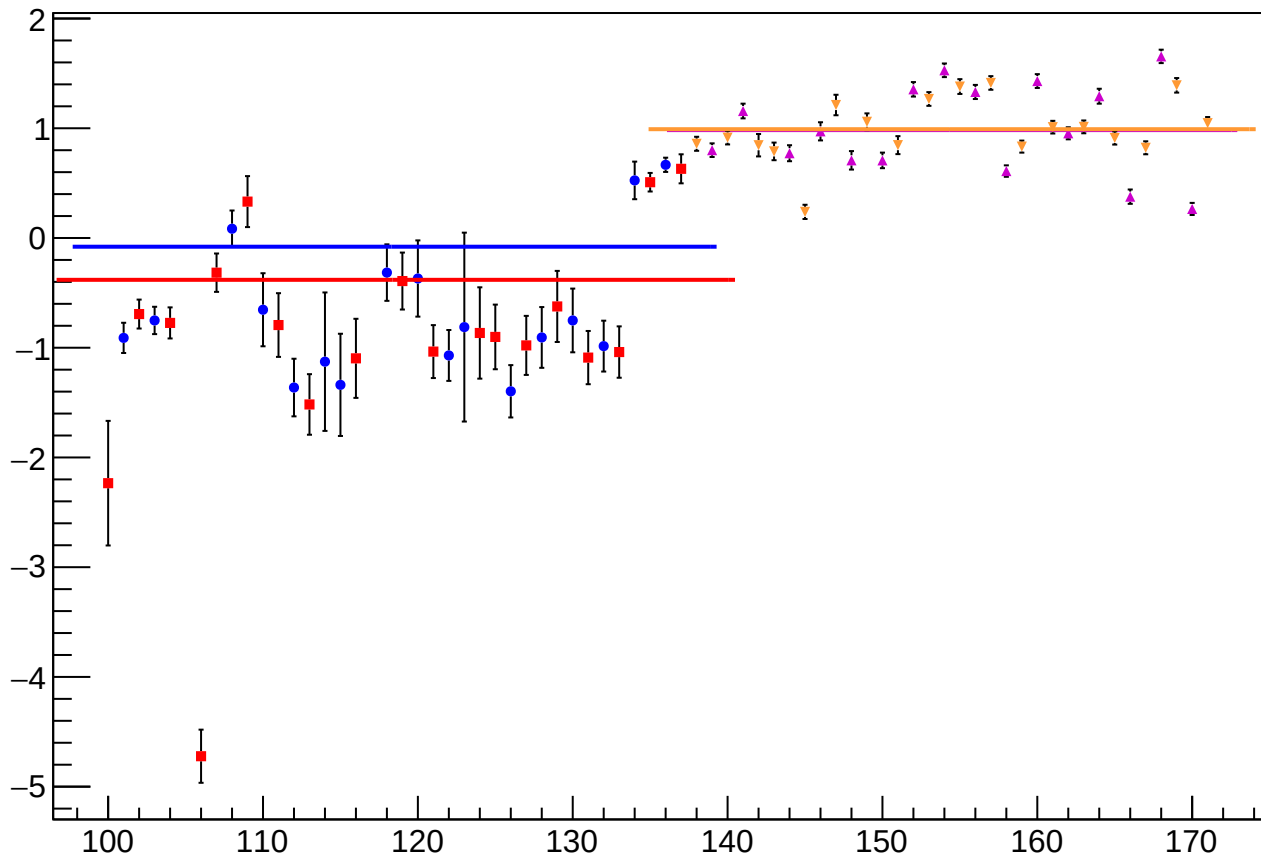
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -107.441 ± 0.324 $\chi^2/\text{NDF}: 2189.9/32$

Out: -108.273 ± 0.312 $\chi^2/\text{NDF}: 1730.8/36$

All: -107.873 ± 0.225 $\chi^2/\text{NDF}: 3924.1/69$

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: 0.991 ± 0.015 χ^2/NDF : 313.1/17

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 0.983 ± 0.016 χ^2/NDF : 686.7/15

Left: 0.988 ± 0.011 χ^2/NDF : 1000.0/33

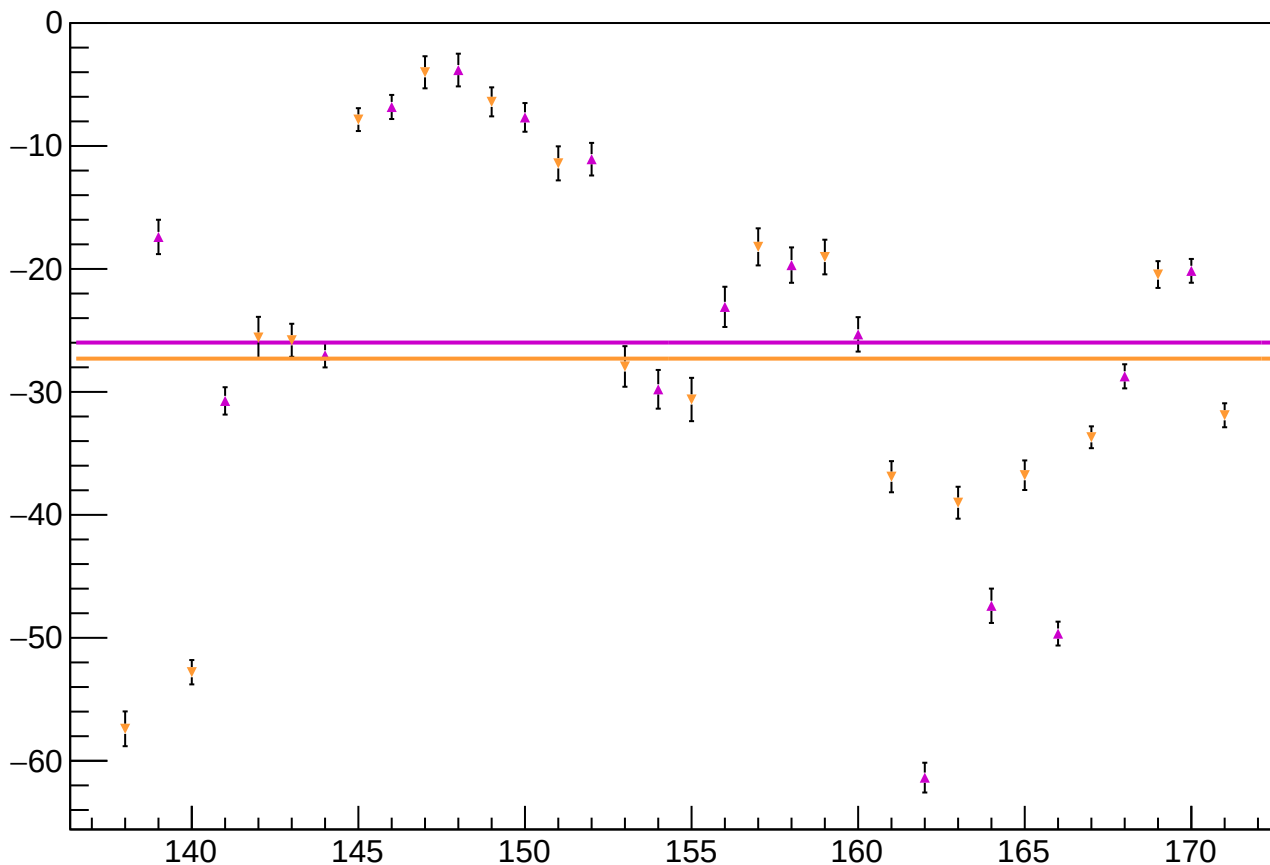
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.849 ± 0.015 χ^2/NDF : 1567.7/32

Out: 0.841 ± 0.015 χ^2/NDF : 1759.8/36

All: 0.845 ± 0.010 χ^2/NDF : 3327.6/69

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -27.293 $\pm$ 0.287 χ^2/NDF :2708.0/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -25.987 $\pm$ 0.296 χ^2/NDF :2845.9/15

Left: -26.660 $\pm$ 0.206 χ^2/NDF : 5563.9/33

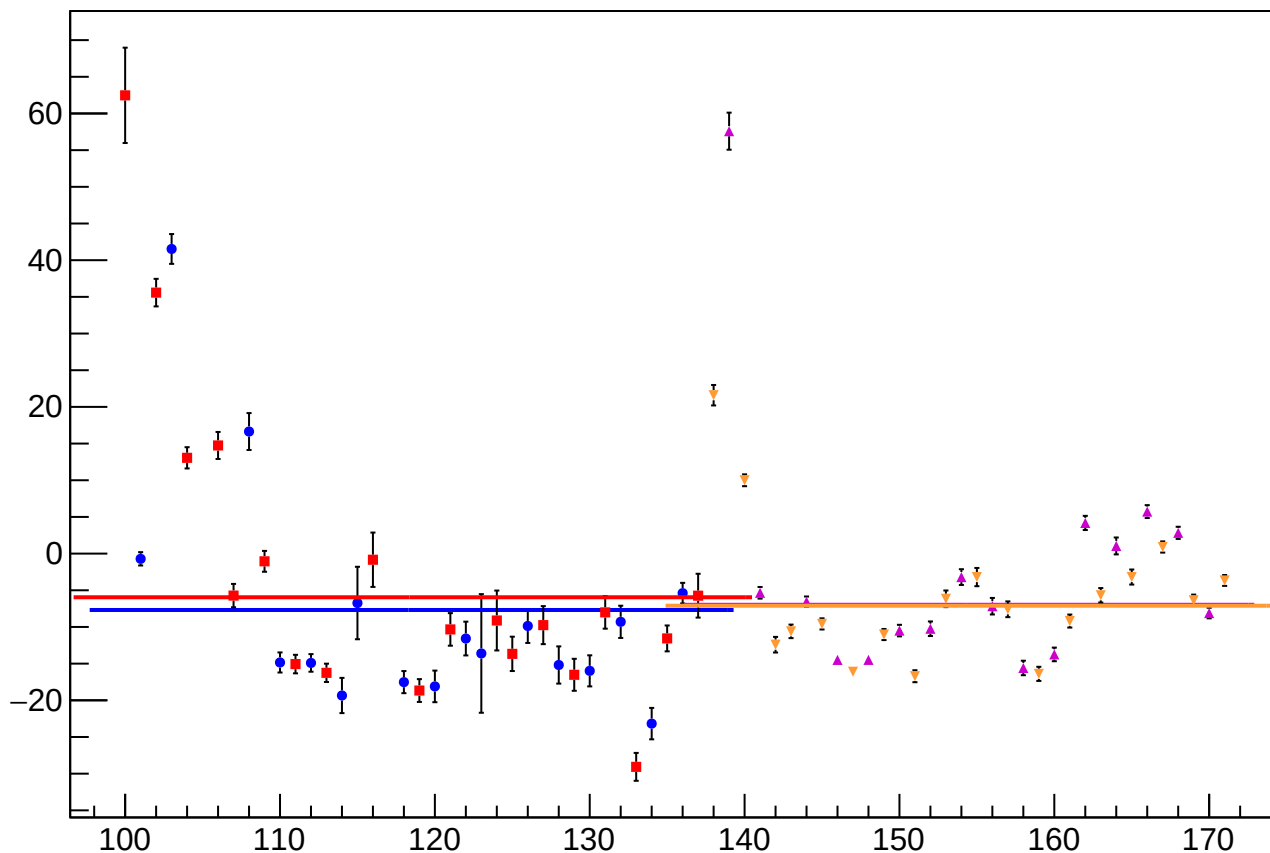
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -25.987 $\pm$ 0.296 χ^2/NDF :2845.9/15

Out: -27.293 $\pm$ 0.287 χ^2/NDF :2708.0/17

All: -26.660 $\pm$ 0.206 χ^2/NDF : 5563.9/33

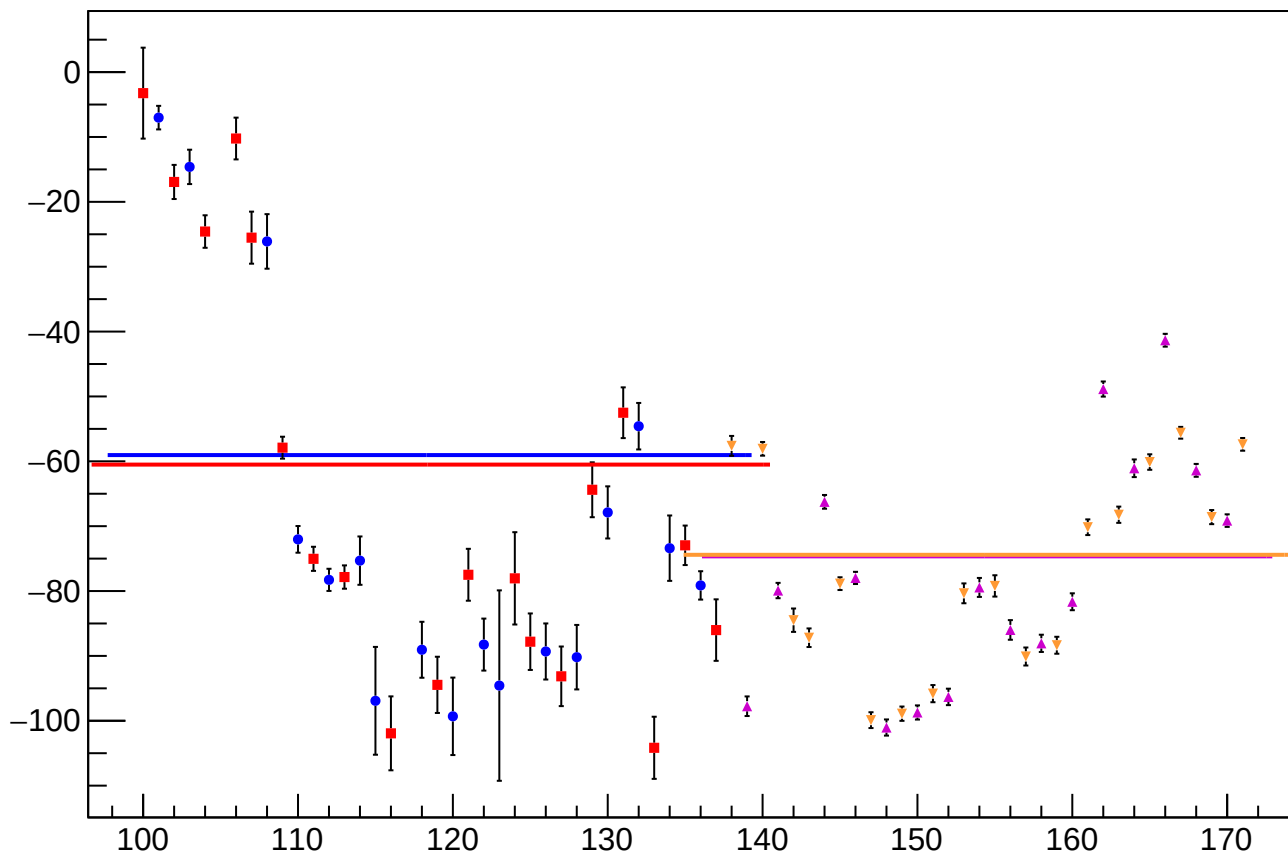
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16
 Left Out: -7.105 ± 0.207 χ^2/NDF : 1553.2/17
 Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18
 Left In: -6.978 ± 0.215 χ^2/NDF : 1645.7/15

Left: -7.044 ± 0.149 χ^2/NDF : 3199.1/33
 Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35
 In: -7.119 ± 0.192 χ^2/NDF : 2623.8/32
 Out: -6.888 ± 0.186 χ^2/NDF : 2857.2/36
 All: -7.000 ± 0.134 χ^2/NDF : 5481.7/69

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: -74.414 ± 0.286 χ^2/NDF : 2885.3/17

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

Left In: -74.654 ± 0.292 χ^2/NDF : 3687.8/15

Left: -74.531 ± 0.204 χ^2/NDF : 6573.4/33

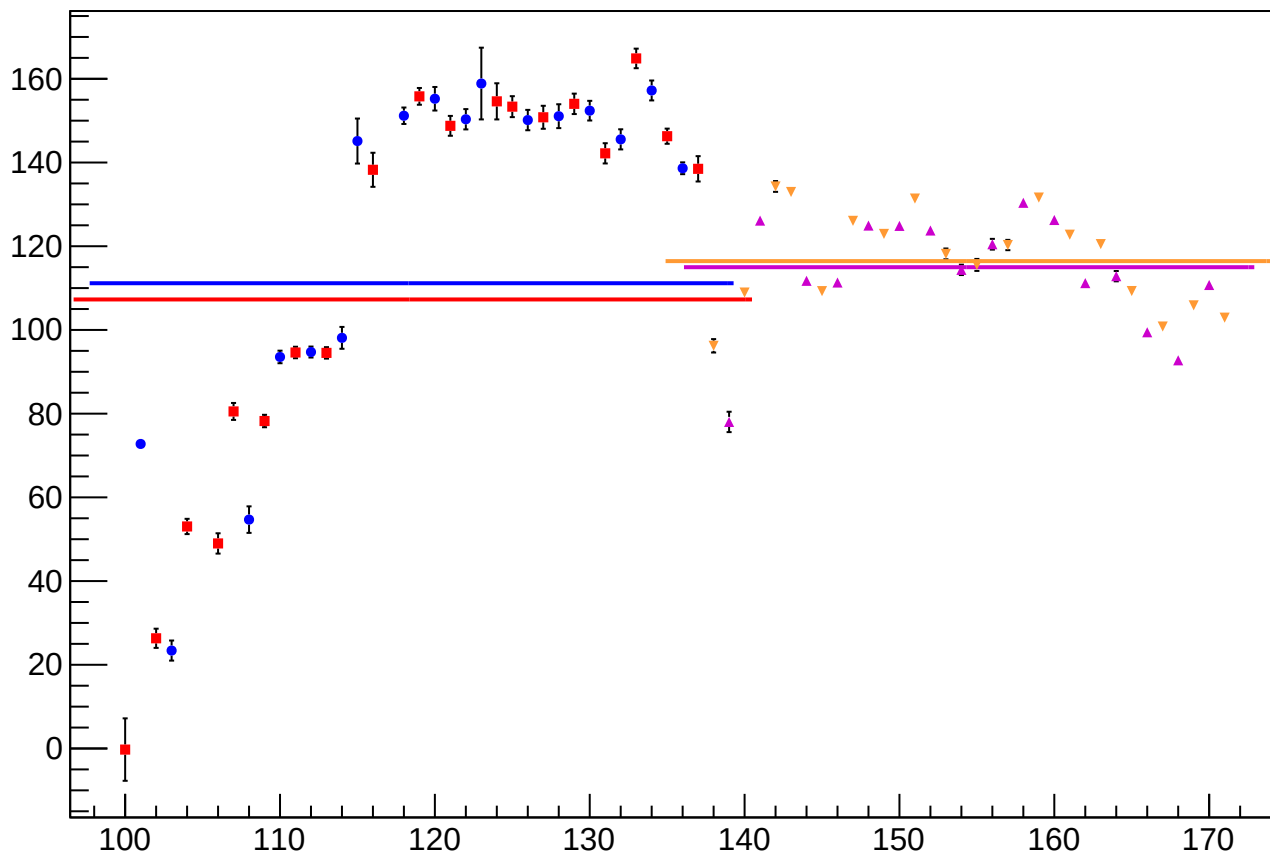
Right: -59.815 ± 0.512 χ^2/NDF : 3096.4/35

In: -72.575 ± 0.272 χ^2/NDF : 5777.5/32

Out: -72.447 ± 0.265 χ^2/NDF : 4604.7/36

All: -72.509 ± 0.190 χ^2/NDF : 10382.3/69

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160+/-0.489 χ^2/NDF : 5877.6/16

Left Out: 116.444+/-0.239 χ^2/NDF :2182.6/17

Right Out: 107.283+/-0.488 χ^2/NDF : 7055.1/18

Left In: 114.990+/-0.249 χ^2/NDF :1911.0/15

Left: 115.745+/-0.172 χ^2/NDF : 4111.3/33

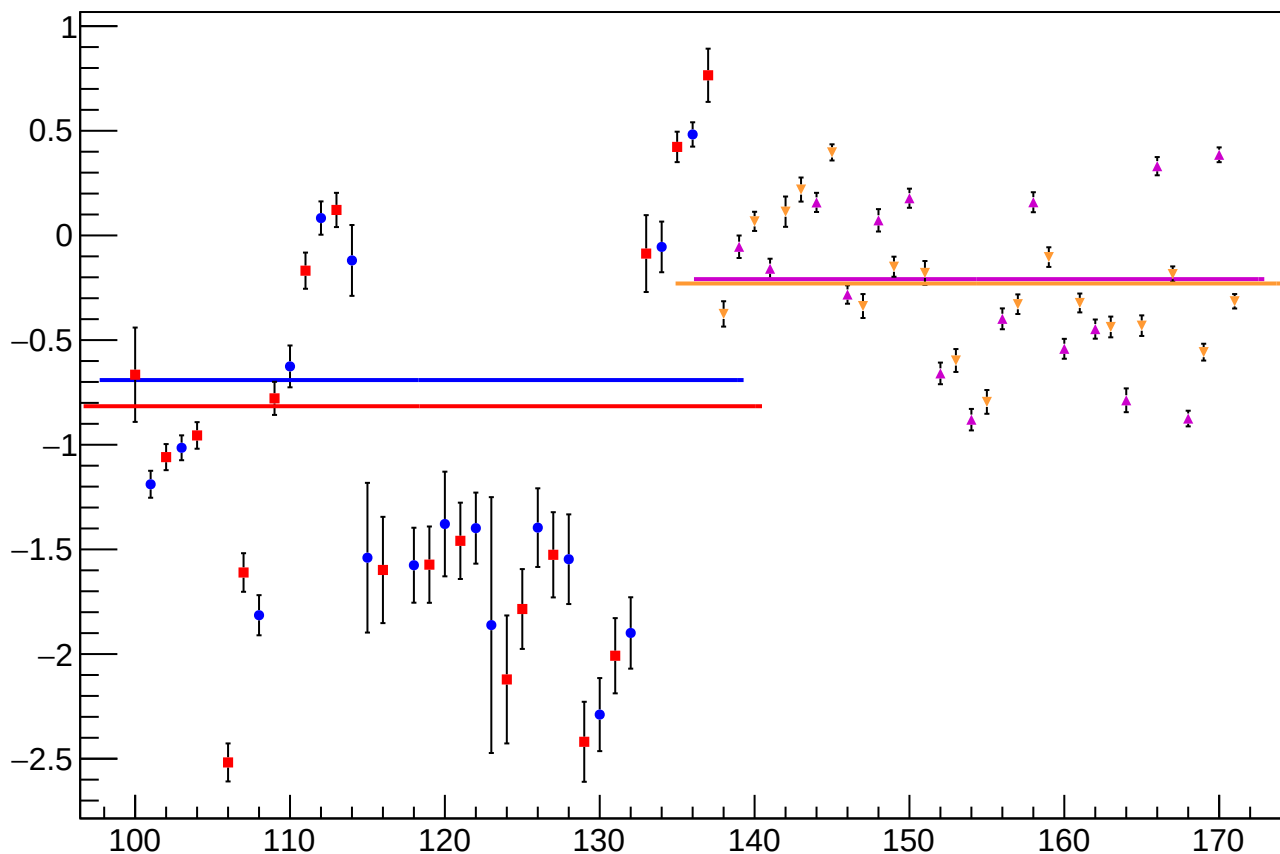
Right: 109.217+/-0.345 χ^2/NDF : 12964.2/35

In: 114.203+/-0.222 χ^2/NDF :7837.3/32

Out: 114.666+/-0.215 χ^2/NDF :9522.1/36

All: 114.442+/-0.154 χ^2/NDF : 17361.6/69

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: -0.230 ± 0.011 χ^2/NDF : 670.3/17

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

Left In: -0.209 ± 0.012 χ^2/NDF : 1429.1/15

Left: -0.220 ± 0.008 χ^2/NDF : 2101.0/33

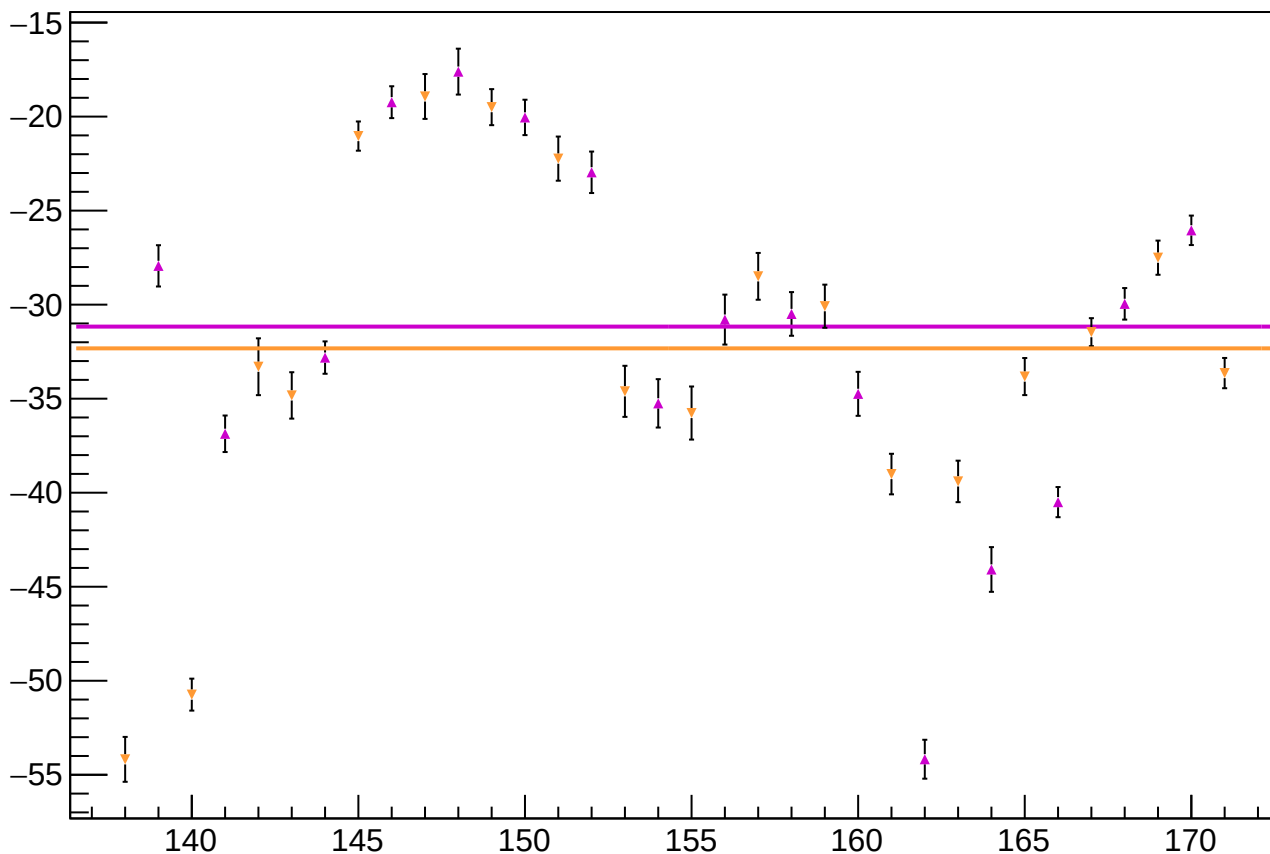
Right: -0.757 ± 0.018 χ^2/NDF : 2307.7/35

In: -0.289 ± 0.011 χ^2/NDF : 2710.5/32

Out: -0.331 ± 0.010 χ^2/NDF : 2453.4/36

All: -0.311 ± 0.007 χ^2/NDF : 5172.1/69

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: -32.325 ± 0.242 χ^2/NDF : 1535.7/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -31.167 ± 0.249 χ^2/NDF : 1376.3/15

Left: -31.762 ± 0.173 χ^2/NDF : 2923.1/33

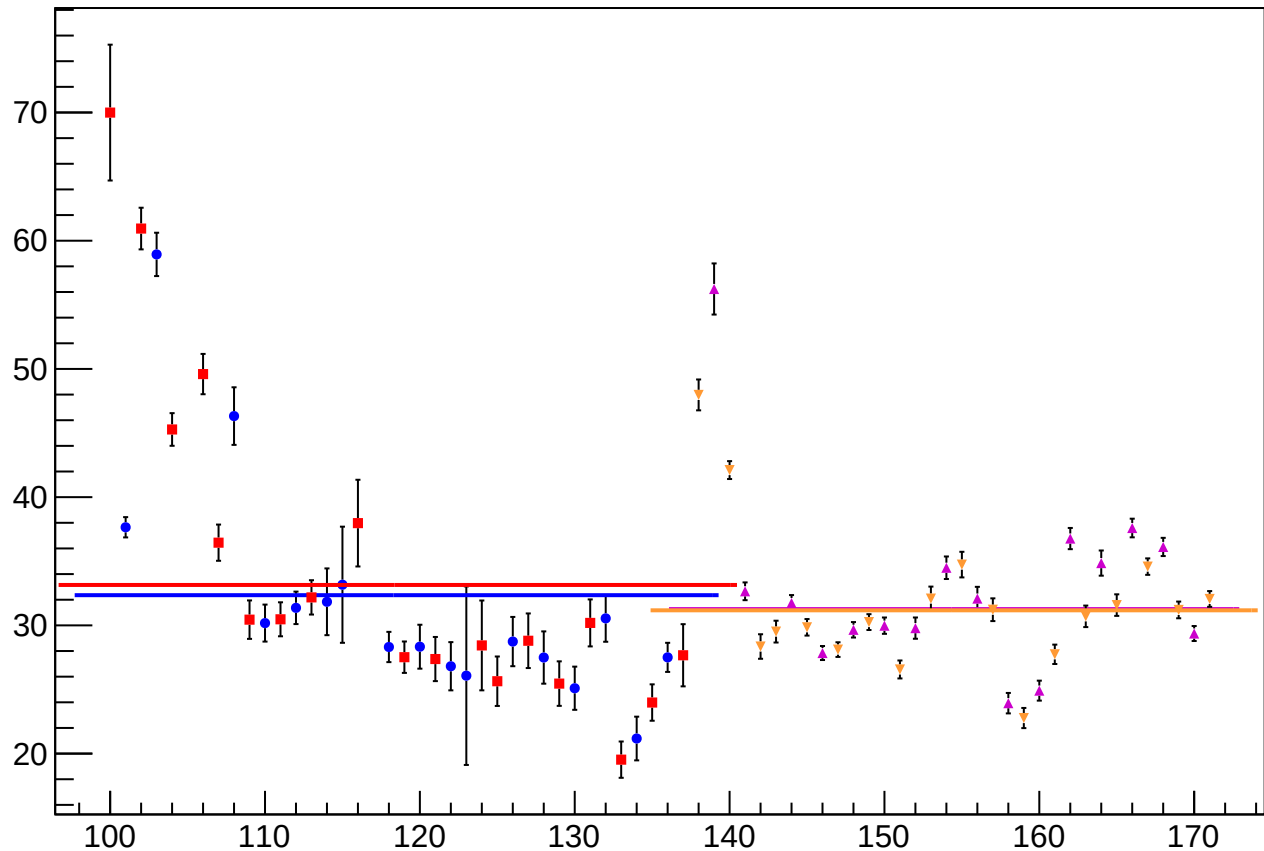
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -31.167 ± 0.249 χ^2/NDF : 1376.3/15

Out: -32.325 ± 0.242 χ^2/NDF : 1535.7/17

All: -31.762 ± 0.173 χ^2/NDF : 2923.1/33

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 31.174+/-0.176 χ^2/NDF : 710.8/17

Right Out: 33.152+/-0.379 χ^2/NDF : 772.0/18

Left In: 31.270+/-0.183 χ^2/NDF : 571.4/15

Left: 31.221+/-0.127 χ^2/NDF : 1282.4/33

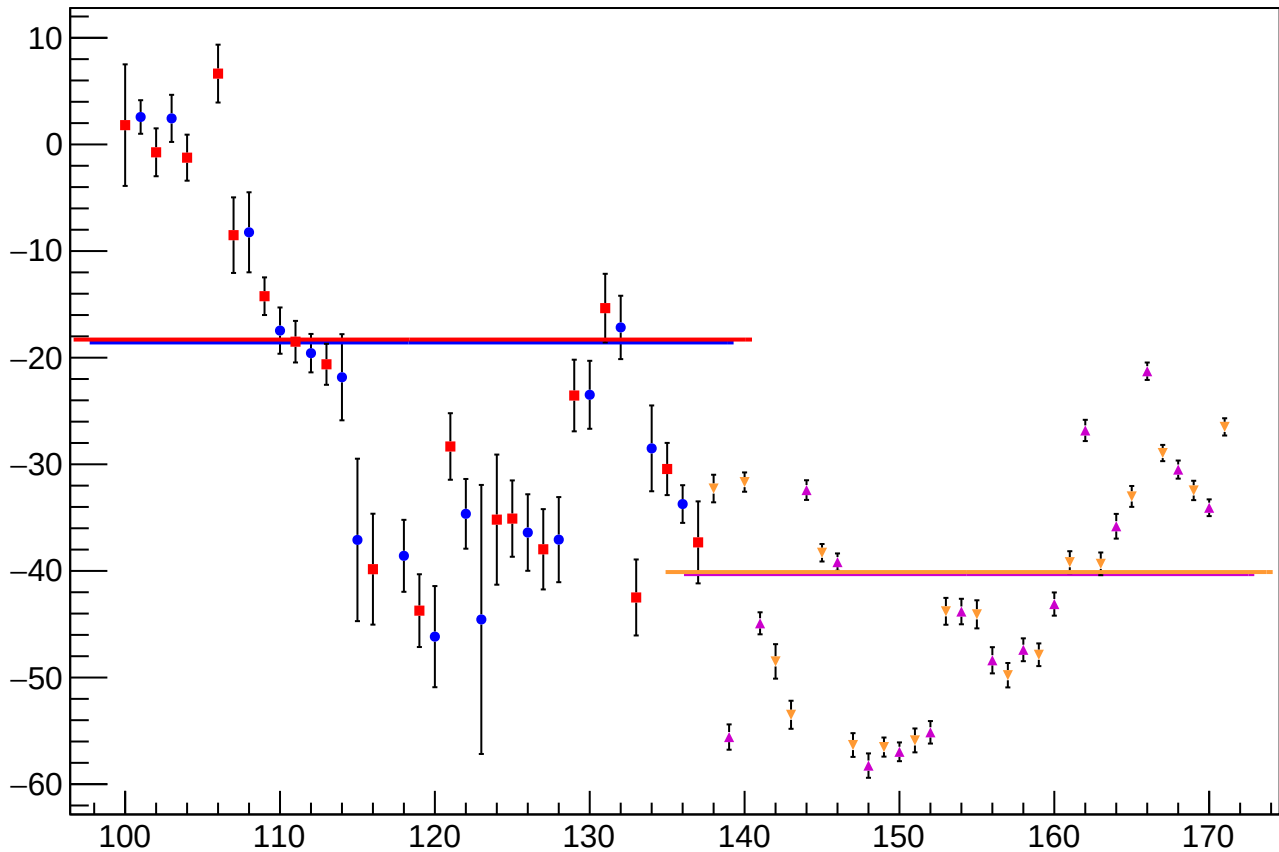
Right: 32.750+/-0.267 χ^2/NDF : 1224.7/35

In: 31.478+/-0.164 χ^2/NDF : 1028.7/32

Out: 31.524+/-0.159 χ^2/NDF : 1505.3/36

All: 31.502+/-0.114 χ^2/NDF : 2533.9/69

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -40.106 ± 0.240 χ^2/NDF : 1769.0/17

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

Left In: -40.300 ± 0.245 χ^2/NDF : 2102.9/15

Left: -40.201 ± 0.172 χ^2/NDF : 3872.2/33

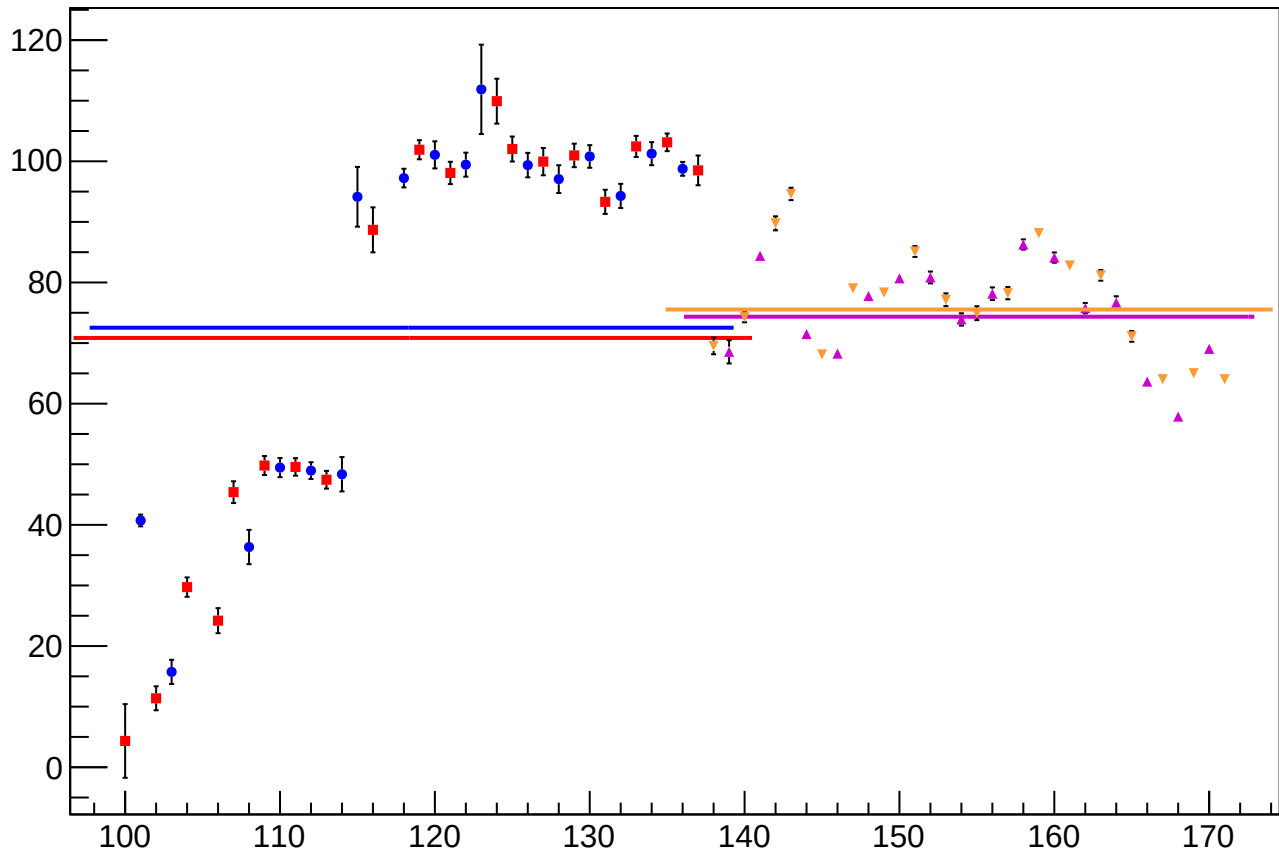
Right: -18.431 ± 0.463 χ^2/NDF : 984.9/35

In: -37.715 ± 0.230 χ^2/NDF : 3548.1/32

Out: -37.436 ± 0.225 χ^2/NDF : 3249.0/36

All: -37.573 ± 0.161 χ^2/NDF : 6797.8/69

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: 75.541 ± 0.202 $\chi^2/\text{NDF}: 1921.0/17$

Right Out: 70.849 ± 0.433 $\chi^2/\text{NDF}: 5500.2/18$

Left In: 74.353 ± 0.210 $\chi^2/\text{NDF}: 1399.3/15$

Left: 74.969 ± 0.146 $\chi^2/\text{NDF}: 3336.8/33$

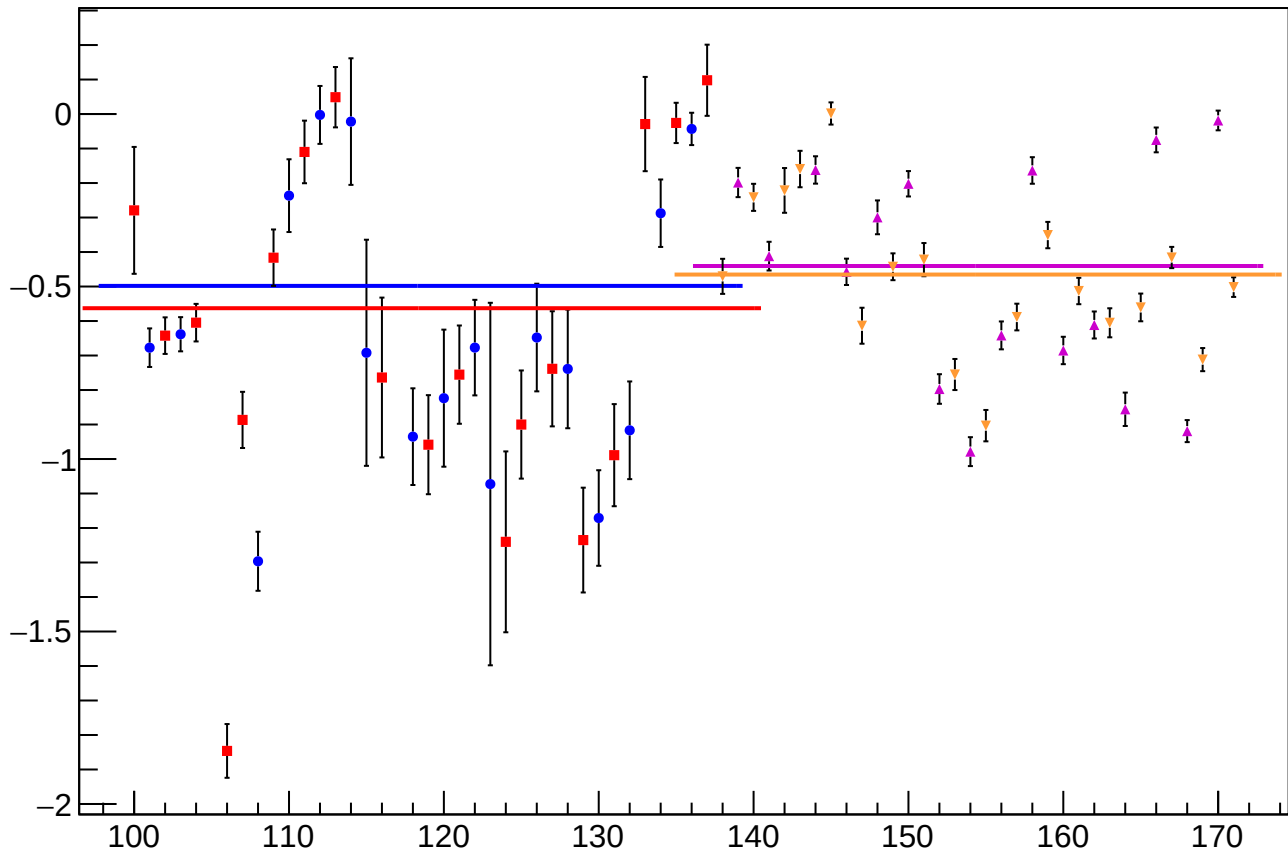
Right: 71.702 ± 0.305 $\chi^2/\text{NDF}: 10192.0/35$

In: 74.001 ± 0.189 $\chi^2/\text{NDF}: 6097.9/32$

Out: 74.700 ± 0.183 $\chi^2/\text{NDF}: 7517.5/36$

All: 74.360 ± 0.131 $\chi^2/\text{NDF}: 13622.4/69$

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: -0.465 ± 0.009 χ^2/NDF : 530.0/17

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.441 ± 0.010 χ^2/NDF : 1119.3/15

Left: -0.453 ± 0.007 χ^2/NDF : 1652.7/33

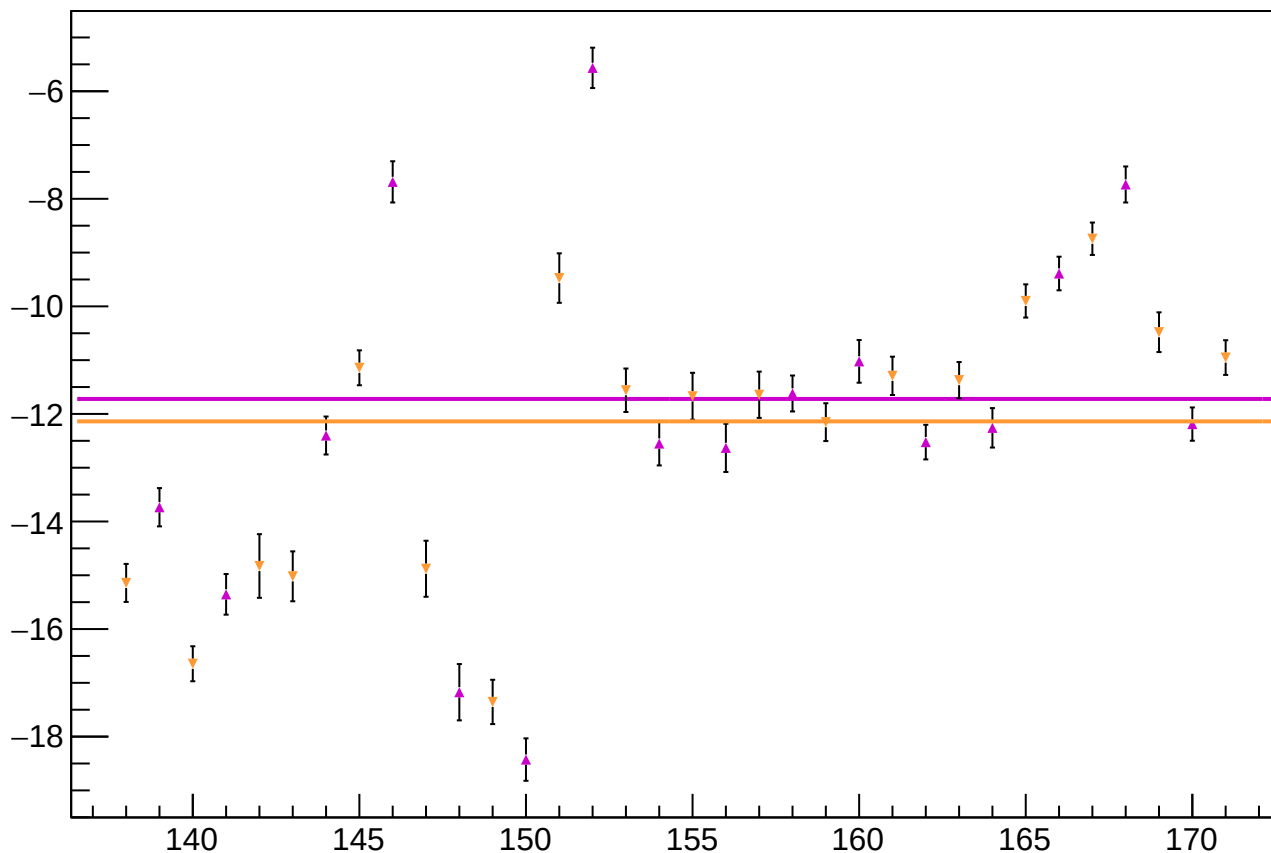
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.450 ± 0.009 χ^2/NDF : 1427.7/32

Out: -0.481 ± 0.009 χ^2/NDF : 1108.1/36

All: -0.466 ± 0.006 χ^2/NDF : 2542.3/69

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: -12.138+/-0.088 χ^2/NDF : 782.9/17

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

Left In: -11.721+/-0.091 χ^2/NDF : 1124.7/15

Left: -11.937+/-0.063 χ^2/NDF : 1918.4/33

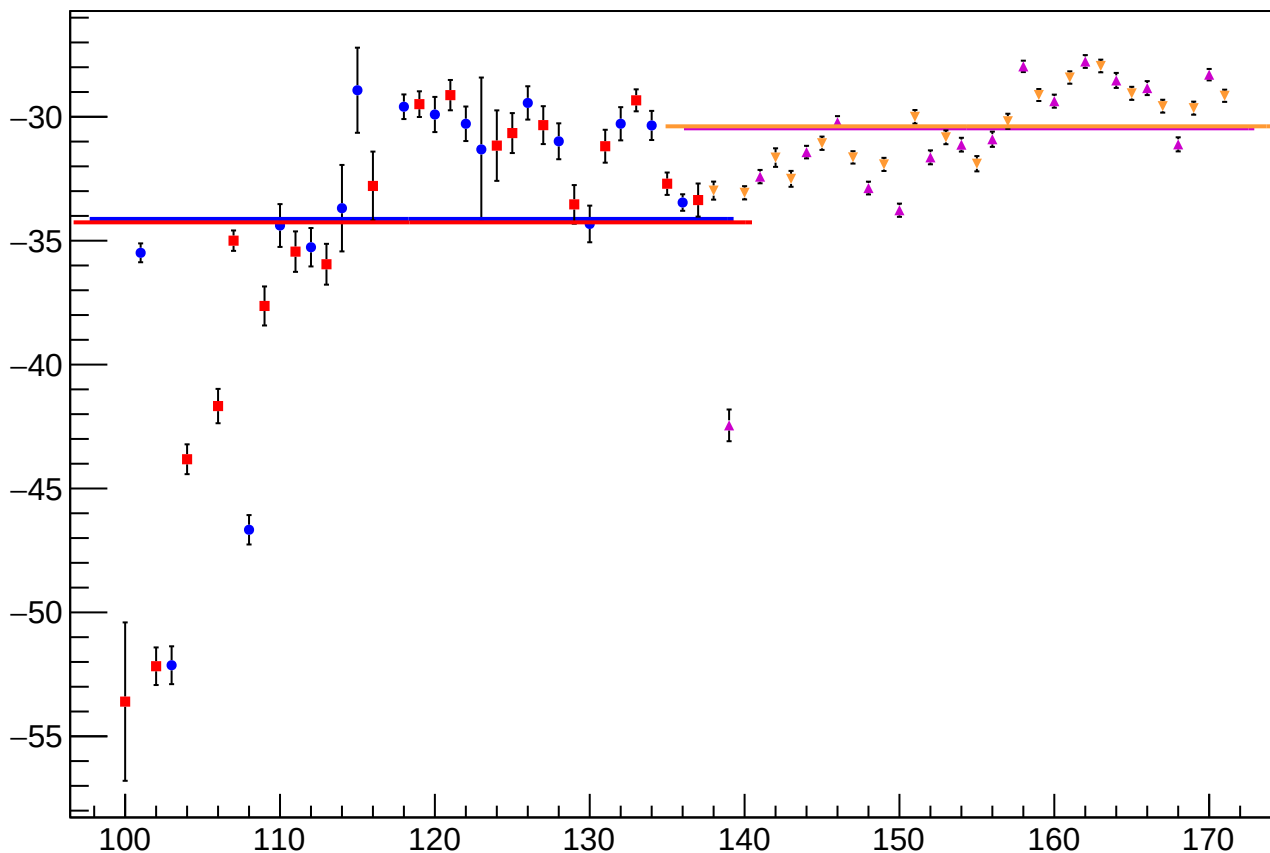
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.721+/-0.091 χ^2/NDF : 1124.7/15

Out: -12.138+/-0.088 χ^2/NDF : 782.9/17

All: -11.937+/-0.063 χ^2/NDF : 1918.4/33

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -30.385 ± 0.065 χ^2/NDF : 548.1/17

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

Left In: -30.465 ± 0.068 χ^2/NDF : 1093.7/15

Left: -30.423 ± 0.047 χ^2/NDF : 1642.6/33

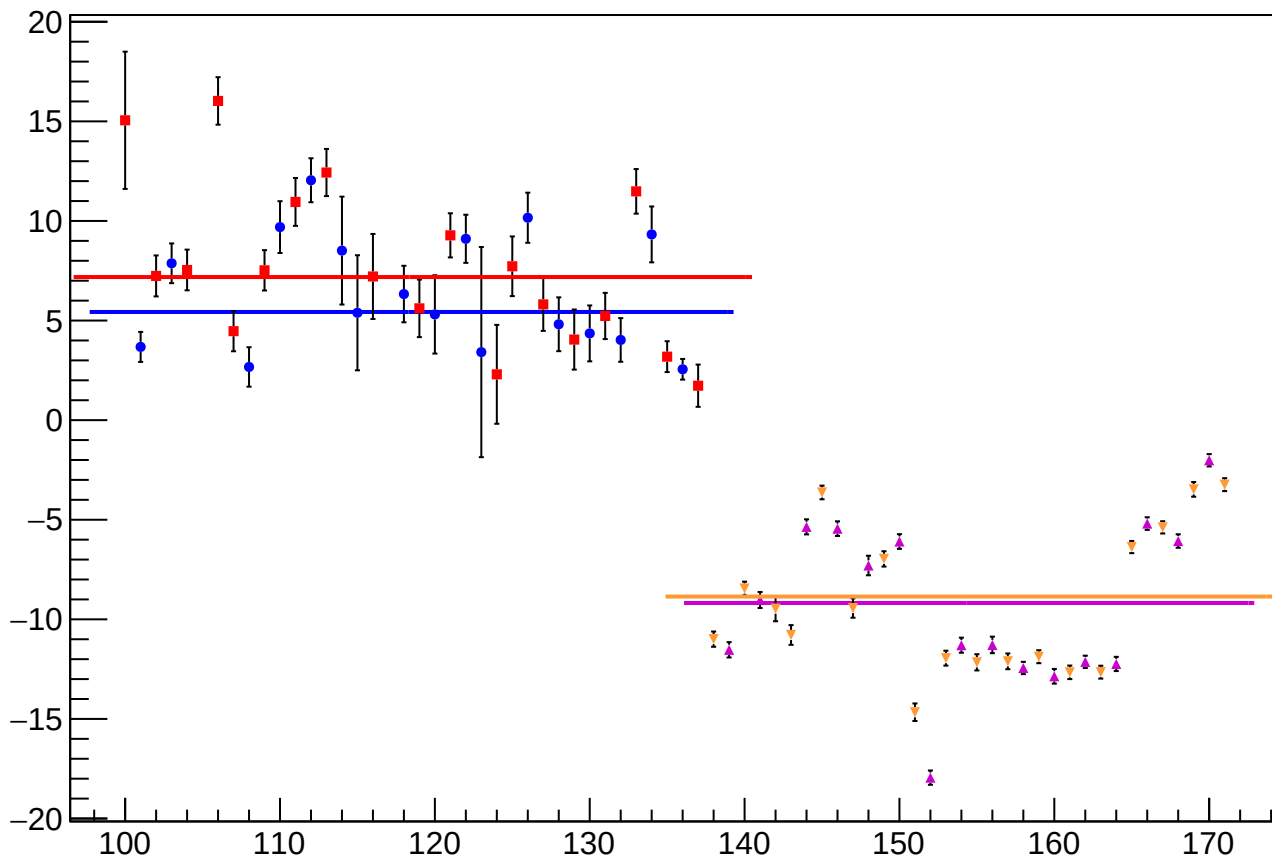
Right: -34.191 ± 0.107 χ^2/NDF : 2677.8/35

In: -31.078 ± 0.062 χ^2/NDF : 2899.2/32

Out: -30.989 ± 0.060 χ^2/NDF : 2460.2/36

All: -31.031 ± 0.043 χ^2/NDF : 5360.5/69

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: -8.856 ± 0.087 $\chi^2/\text{NDF}: 1733.5/17$

Right Out: 7.185 ± 0.274 $\chi^2/\text{NDF}: 182.1/18$

Left In: -9.179 ± 0.090 $\chi^2/\text{NDF}: 2132.1/15$

Left: -9.013 ± 0.063 $\chi^2/\text{NDF}: 3872.2/33$

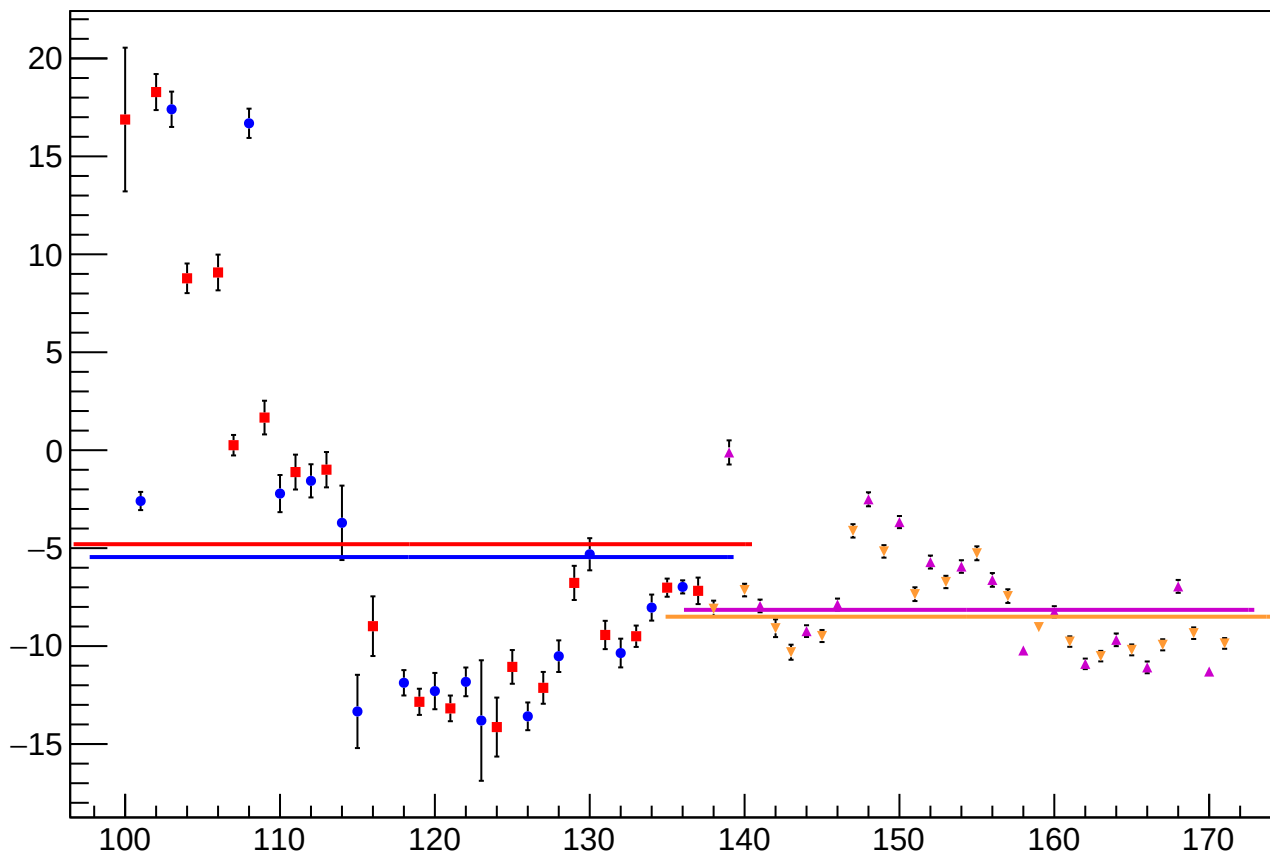
Right: 6.295 ± 0.193 $\chi^2/\text{NDF}: 334.8/35$

In: -7.732 ± 0.085 $\chi^2/\text{NDF}: 4894.4/32$

Out: -7.384 ± 0.083 $\chi^2/\text{NDF}: 5018.4/36$

All: -7.554 ± 0.059 $\chi^2/\text{NDF}: 9921.4/69$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.500 ± 0.074 χ^2/NDF : 638.4/17

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

Left In: -8.150 ± 0.077 χ^2/NDF : 1229.4/15

Left: -8.333 ± 0.053 χ^2/NDF : 1878.6/33

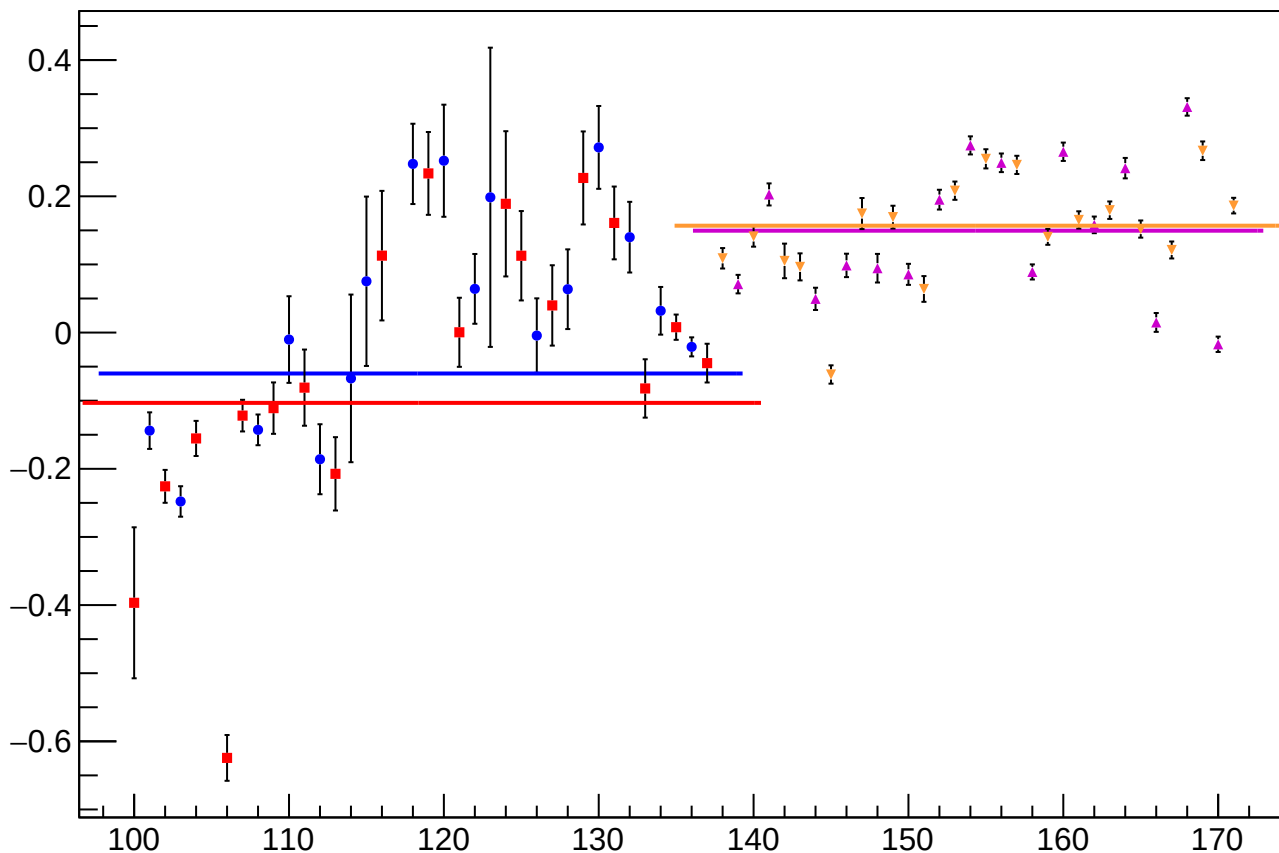
Right: -5.131 ± 0.122 χ^2/NDF : 4151.2/35

In: -7.693 ± 0.070 χ^2/NDF : 3532.5/32

Out: -7.929 ± 0.068 χ^2/NDF : 3073.5/36

All: -7.815 ± 0.049 χ^2/NDF : 6611.8/69

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: 0.157 ± 0.003 χ^2/NDF : 507.2/17

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

Left In: 0.150 ± 0.003 χ^2/NDF : 922.3/15

Left: 0.153 ± 0.002 χ^2/NDF : 1431.8/33

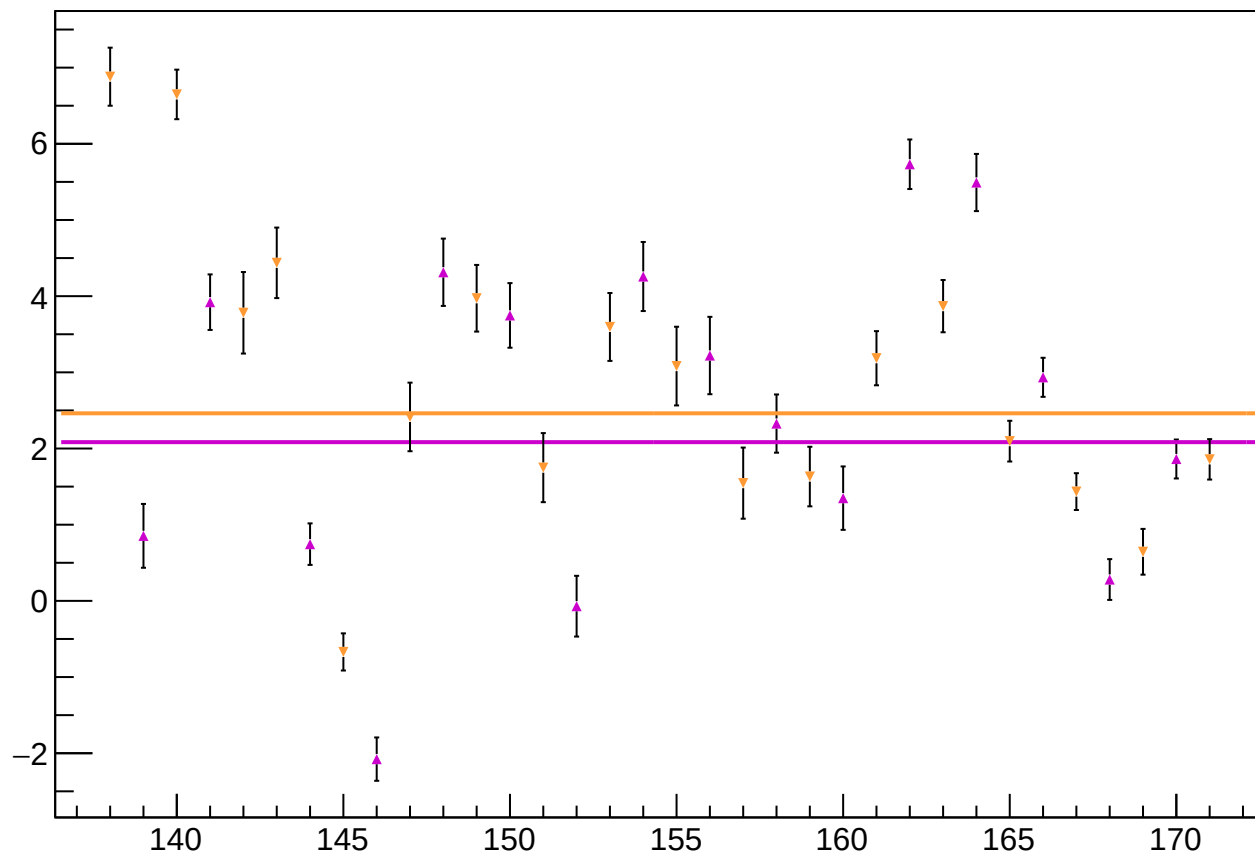
Right: -0.082 ± 0.006 χ^2/NDF : 662.9/35

In: 0.119 ± 0.003 χ^2/NDF : 1668.8/32

Out: 0.121 ± 0.003 χ^2/NDF : 1761.2/36

All: 0.120 ± 0.002 χ^2/NDF : 3430.4/69

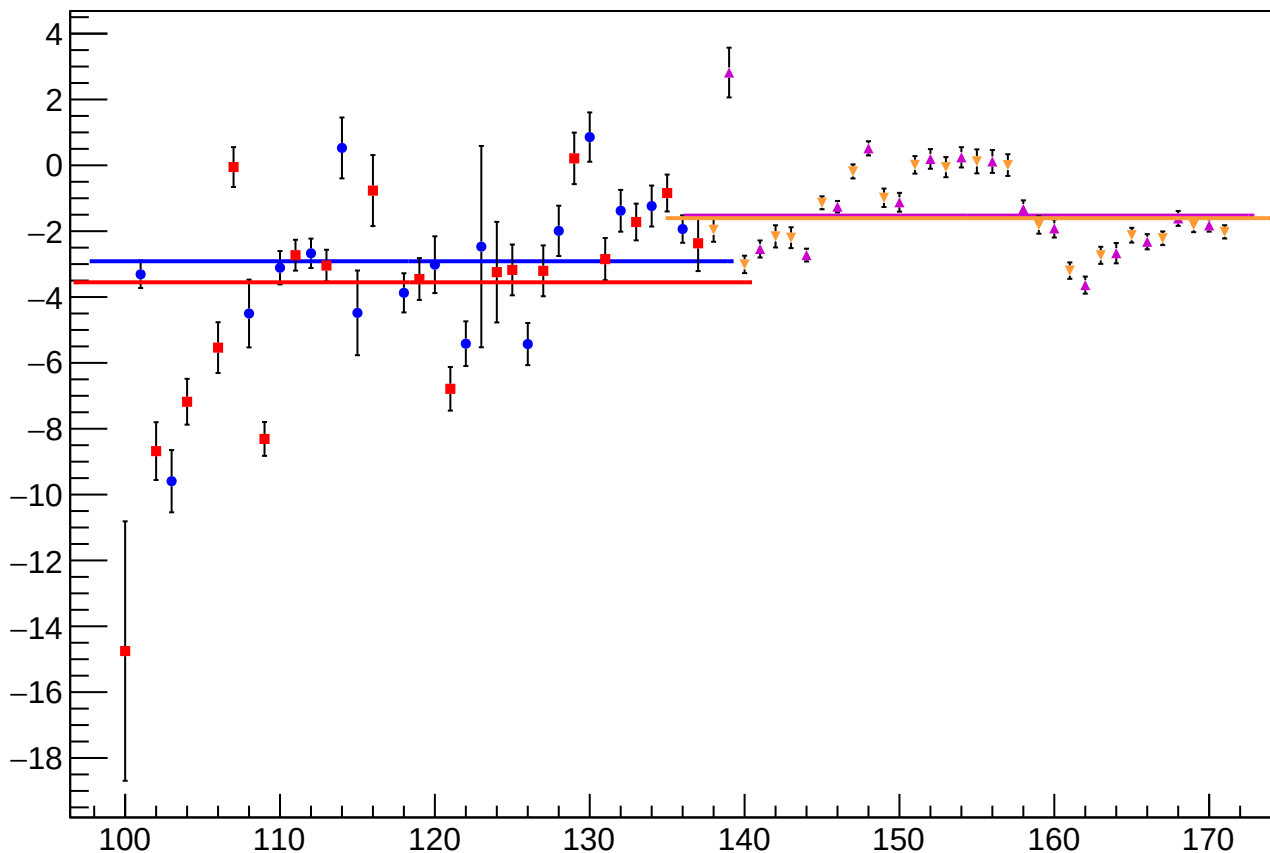
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.462 $\pm$ 0.082 χ^2/NDF :602.8/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 2.084 $\pm$ 0.085 χ^2/NDF :639.0/15

Left: 2.280 $\pm$ 0.059 χ^2/NDF : 1252.0/33
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 2.084 $\pm$ 0.085 χ^2/NDF :639.0/15
 Out: 2.462 $\pm$ 0.082 χ^2/NDF :602.8/17
 All: 2.280 $\pm$ 0.059 χ^2/NDF : 1252.0/33

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 $\chi^2/\text{NDF}: 146.1/16$

Left Out: -1.605 ± 0.060 $\chi^2/\text{NDF}: 278.7/17$

Right Out: -3.553 ± 0.155 $\chi^2/\text{NDF}: 290.9/18$

Left In: -1.527 ± 0.062 $\chi^2/\text{NDF}: 366.6/15$

Left: -1.567 ± 0.043 $\chi^2/\text{NDF}: 646.0/33$

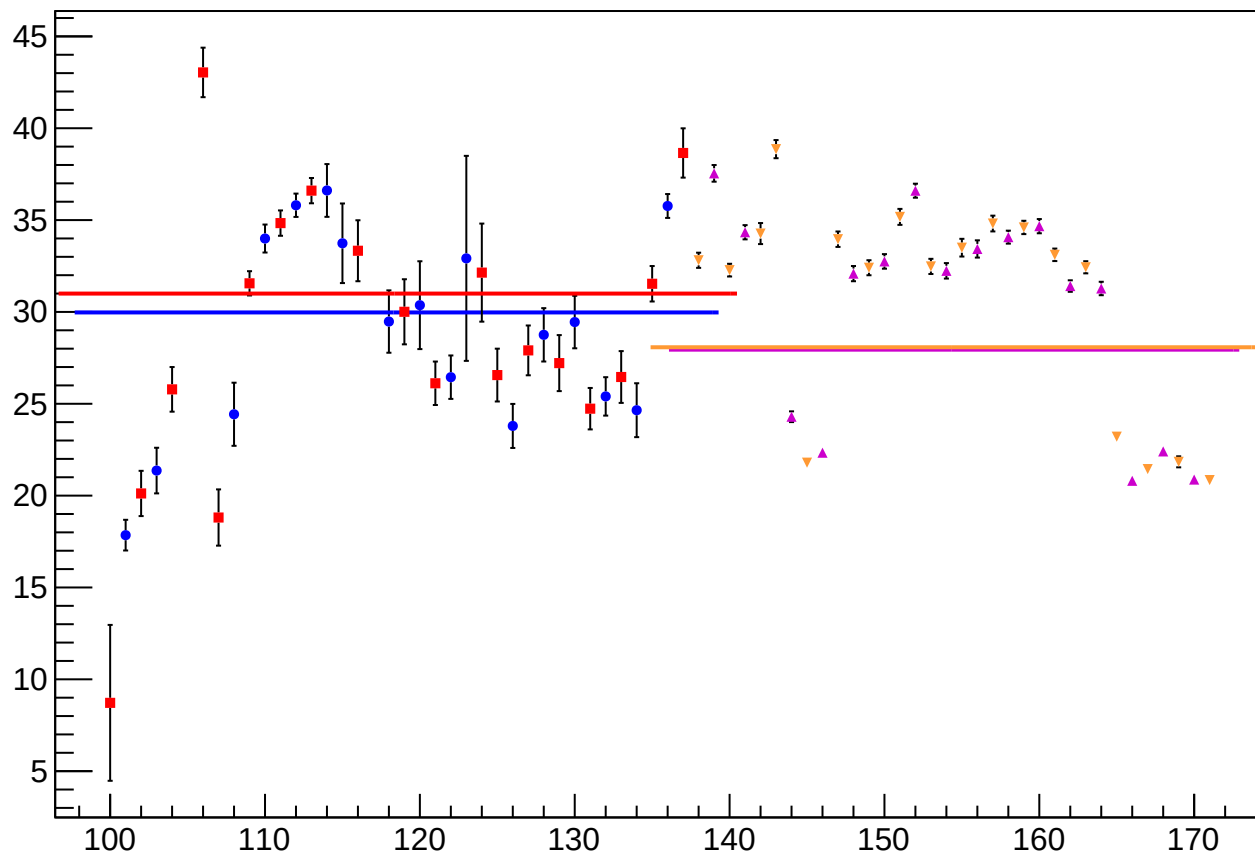
Right: -3.234 ± 0.109 $\chi^2/\text{NDF}: 445.5/35$

In: -1.720 ± 0.058 $\chi^2/\text{NDF}: 581.7/32$

Out: -1.860 ± 0.056 $\chi^2/\text{NDF}: 707.5/36$

All: -1.792 ± 0.040 $\chi^2/\text{NDF}: 1292.3/69$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 28.076 ± 0.082 $\chi^2/\text{NDF}: 5452.9/17$

Right Out: 30.999 ± 0.260 $\chi^2/\text{NDF}: 479.5/18$

Left In: 27.946 ± 0.084 $\chi^2/\text{NDF}: 5038.8/15$

Left: 28.013 ± 0.059 $\chi^2/\text{NDF}: 10493.0/33$

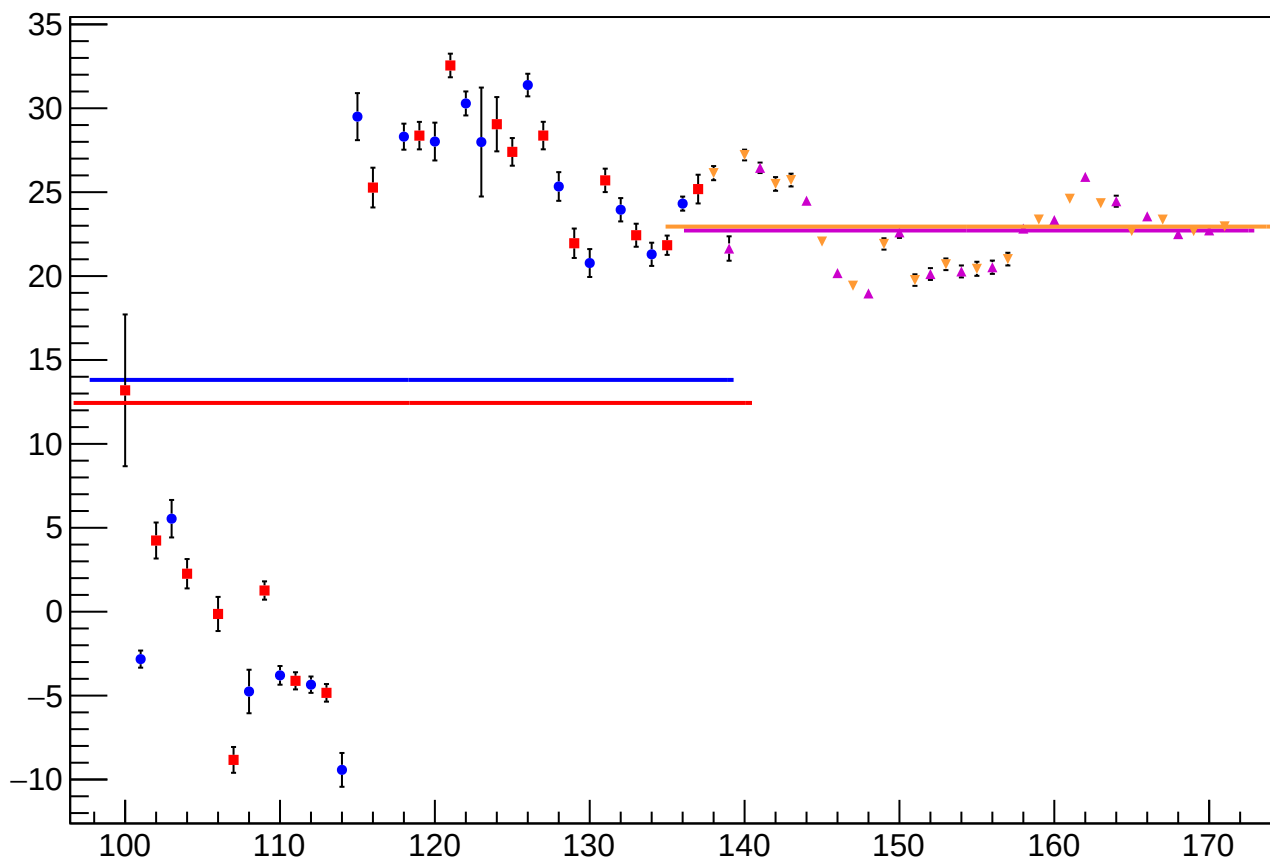
Right: 30.500 ± 0.186 $\chi^2/\text{NDF}: 1041.4/35$

In: 28.128 ± 0.080 $\chi^2/\text{NDF}: 5645.4/32$

Out: 28.339 ± 0.078 $\chi^2/\text{NDF}: 6047.3/36$

All: 28.237 ± 0.056 $\chi^2/\text{NDF}: 11696.3/69$

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: 22.949 $\pm$ 0.069 χ^2 /NDF: 757.0/17

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

Left In: 22.717 $\pm$ 0.072 χ^2 /NDF: 809.8/15

Left: 22.837 $\pm$ 0.050 χ^2 /NDF: 1572.3/33

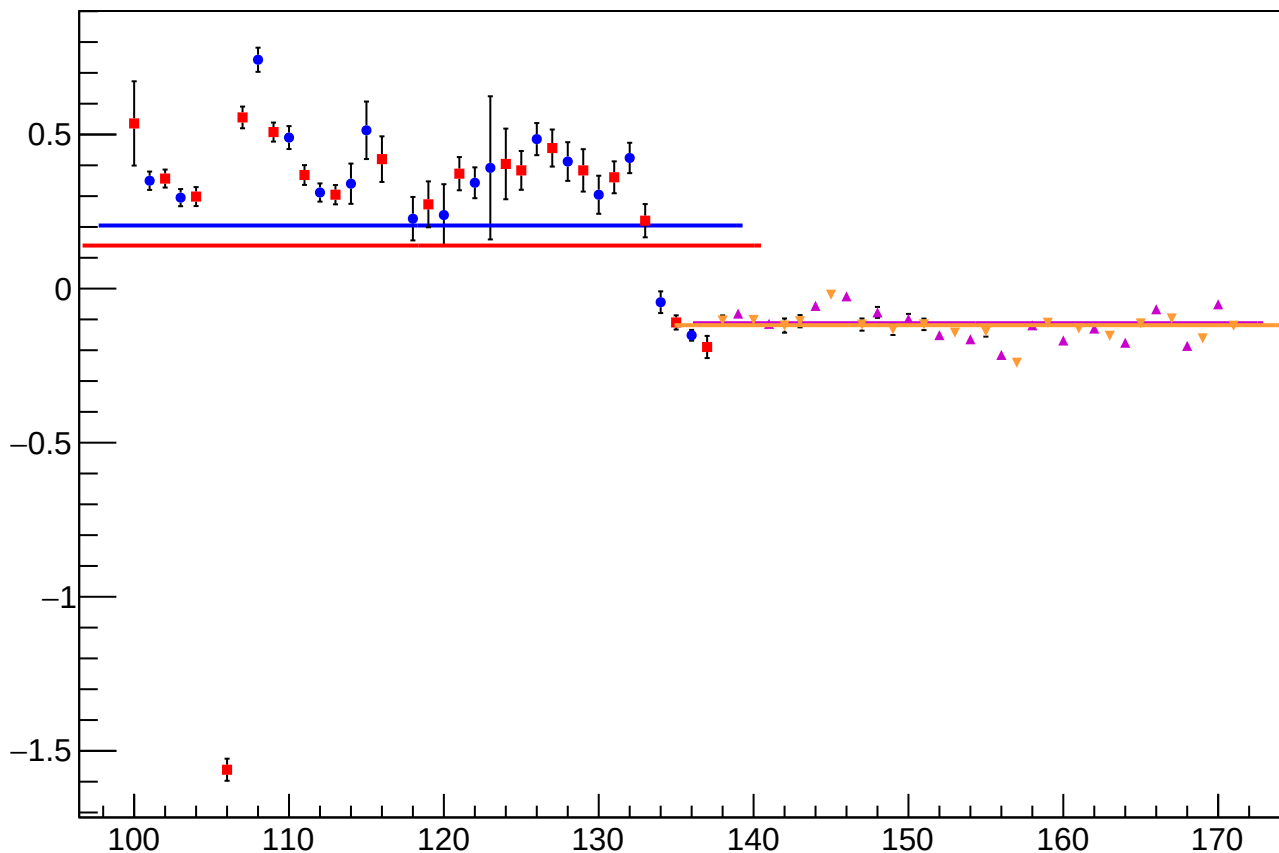
Right: 13.131 $\pm$ 0.122 χ^2 /NDF: 14320.3/35

In: 21.413 $\pm$ 0.066 χ^2 /NDF: 10398.0/32

Out: 21.528 $\pm$ 0.064 χ^2 /NDF: 10891.5/36

All: 21.472 $\pm$ 0.046 χ^2 /NDF: 21291.1/69

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 $\chi^2/\text{NDF}: 845.8/16$

Left Out: -0.119 ± 0.003 $\chi^2/\text{NDF}: 200.6/17$

Right Out: 0.140 ± 0.009 $\chi^2/\text{NDF}: 3014.2/18$

Left In: -0.112 ± 0.003 $\chi^2/\text{NDF}: 284.0/15$

Left: -0.116 ± 0.002 $\chi^2/\text{NDF}: 486.6/33$

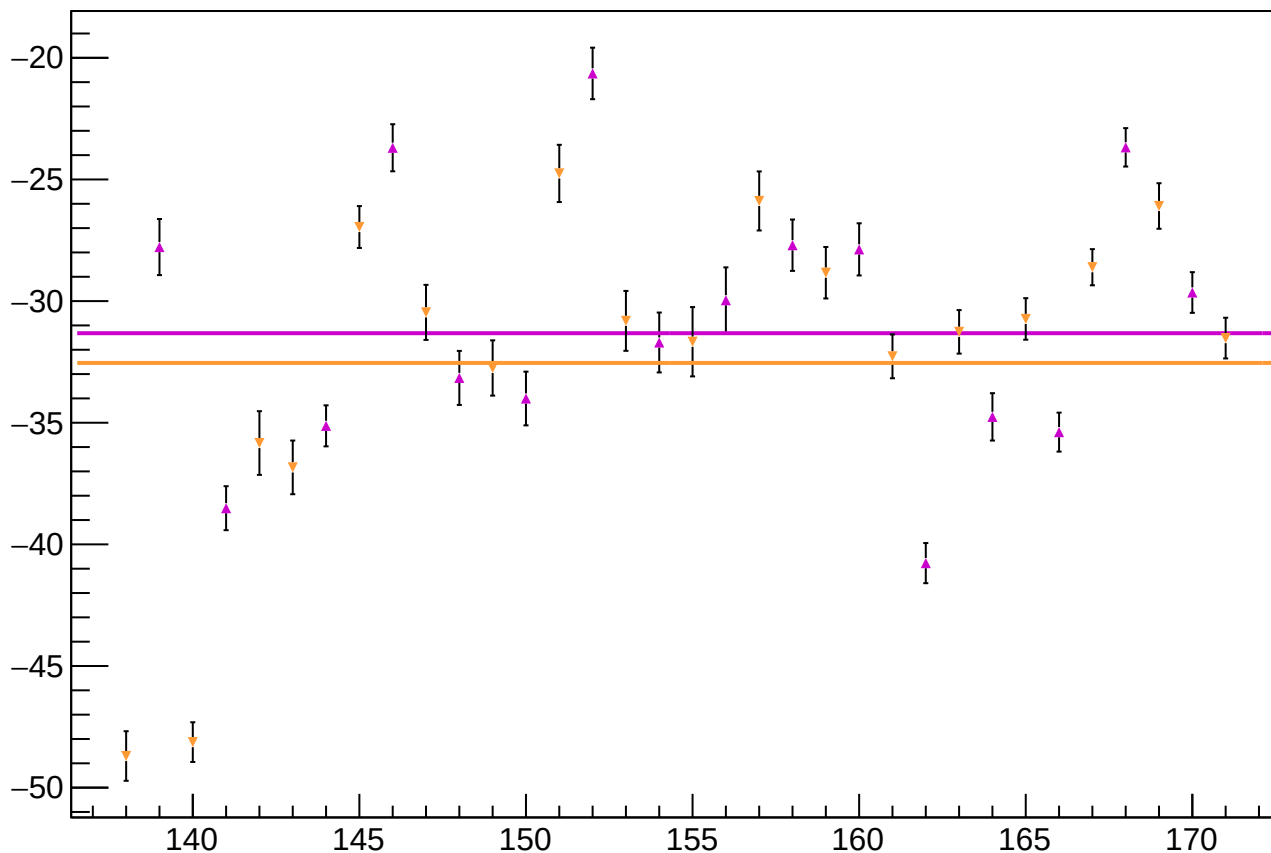
Right: 0.172 ± 0.007 $\chi^2/\text{NDF}: 3884.5/35$

In: -0.077 ± 0.003 $\chi^2/\text{NDF}: 2146.5/32$

Out: -0.091 ± 0.003 $\chi^2/\text{NDF}: 3918.8/36$

All: -0.085 ± 0.002 $\chi^2/\text{NDF}: 6076.2/69$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -32.542 ± 0.233 $\chi^2/\text{NDF}: 854.9/17$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -31.319 ± 0.242 $\chi^2/\text{NDF}: 555.7/15$

Left: -31.954 ± 0.168 $\chi^2/\text{NDF}: 1423.9/33$

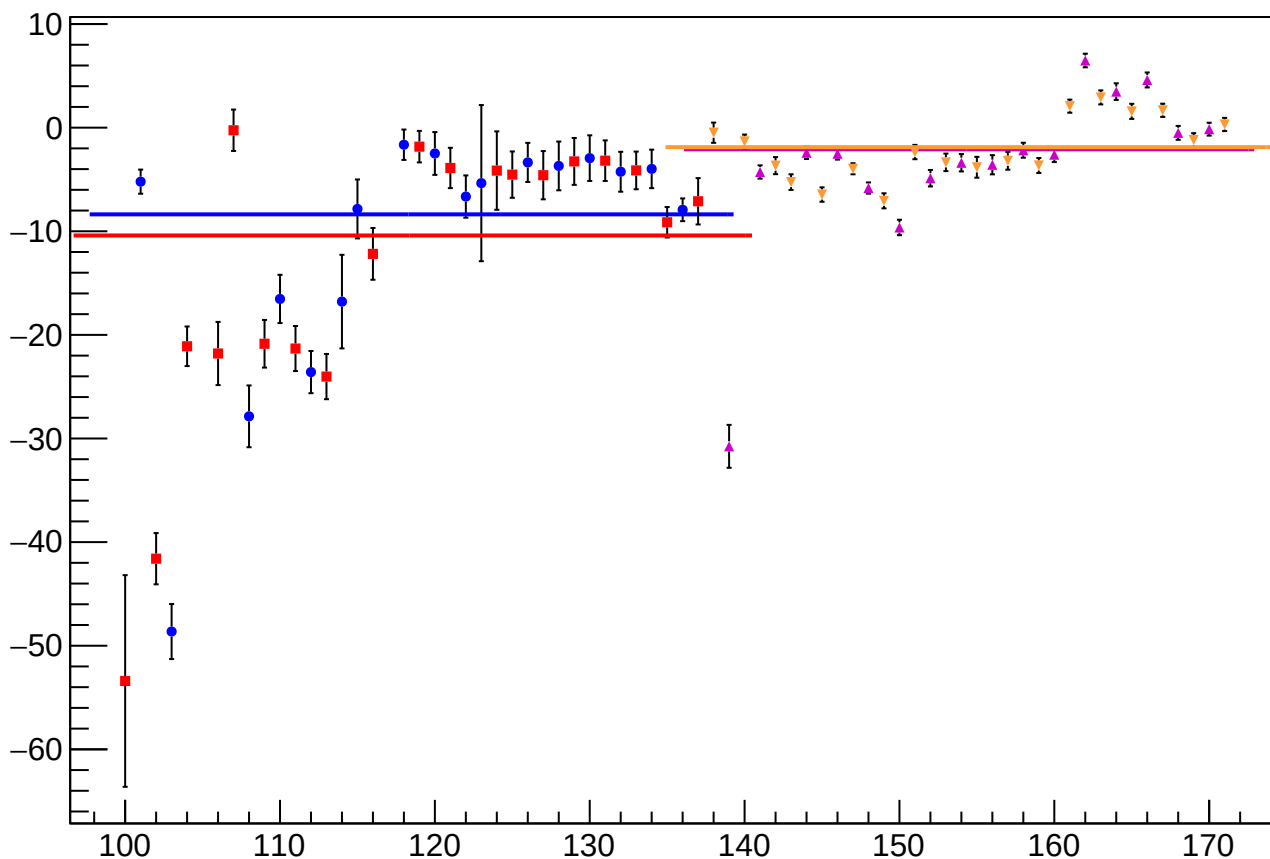
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -31.319 ± 0.242 $\chi^2/\text{NDF}: 555.7/15$

Out: -32.542 ± 0.233 $\chi^2/\text{NDF}: 854.9/17$

All: -31.954 ± 0.168 $\chi^2/\text{NDF}: 1423.9/33$

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: -1.882 ± 0.168 $\chi^2/\text{NDF}: 307.5/17$

Right Out: -10.405 ± 0.491 $\chi^2/\text{NDF}: 430.3/18$

Left In: -2.093 ± 0.176 $\chi^2/\text{NDF}: 691.6/15$

Left: -1.983 ± 0.121 $\chi^2/\text{NDF}: 999.9/33$

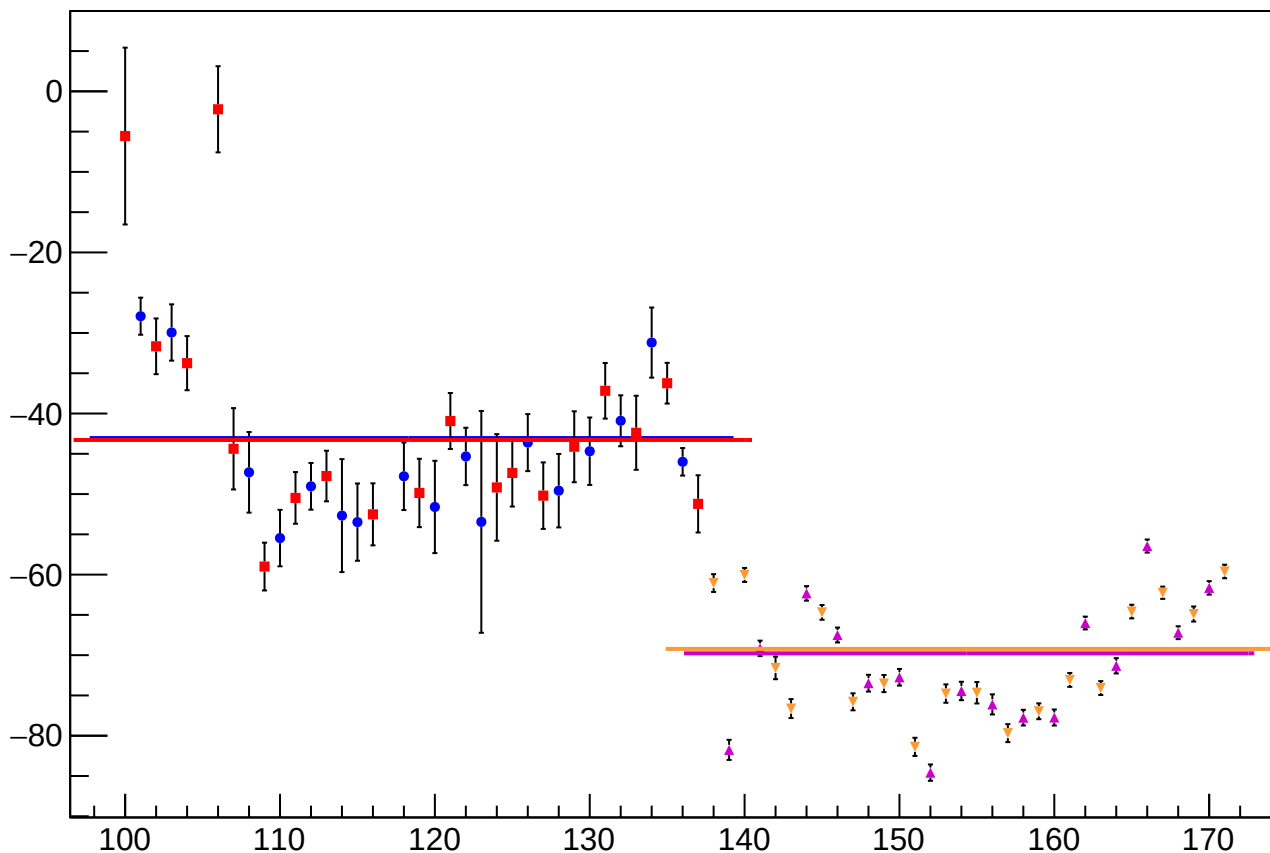
Right: -9.333 ± 0.338 $\chi^2/\text{NDF}: 848.2/35$

In: -2.873 ± 0.164 $\chi^2/\text{NDF}: 1259.1/32$

Out: -2.774 ± 0.159 $\chi^2/\text{NDF}: 1007.6/36$

All: -2.822 ± 0.114 $\chi^2/\text{NDF}: 2266.9/69$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

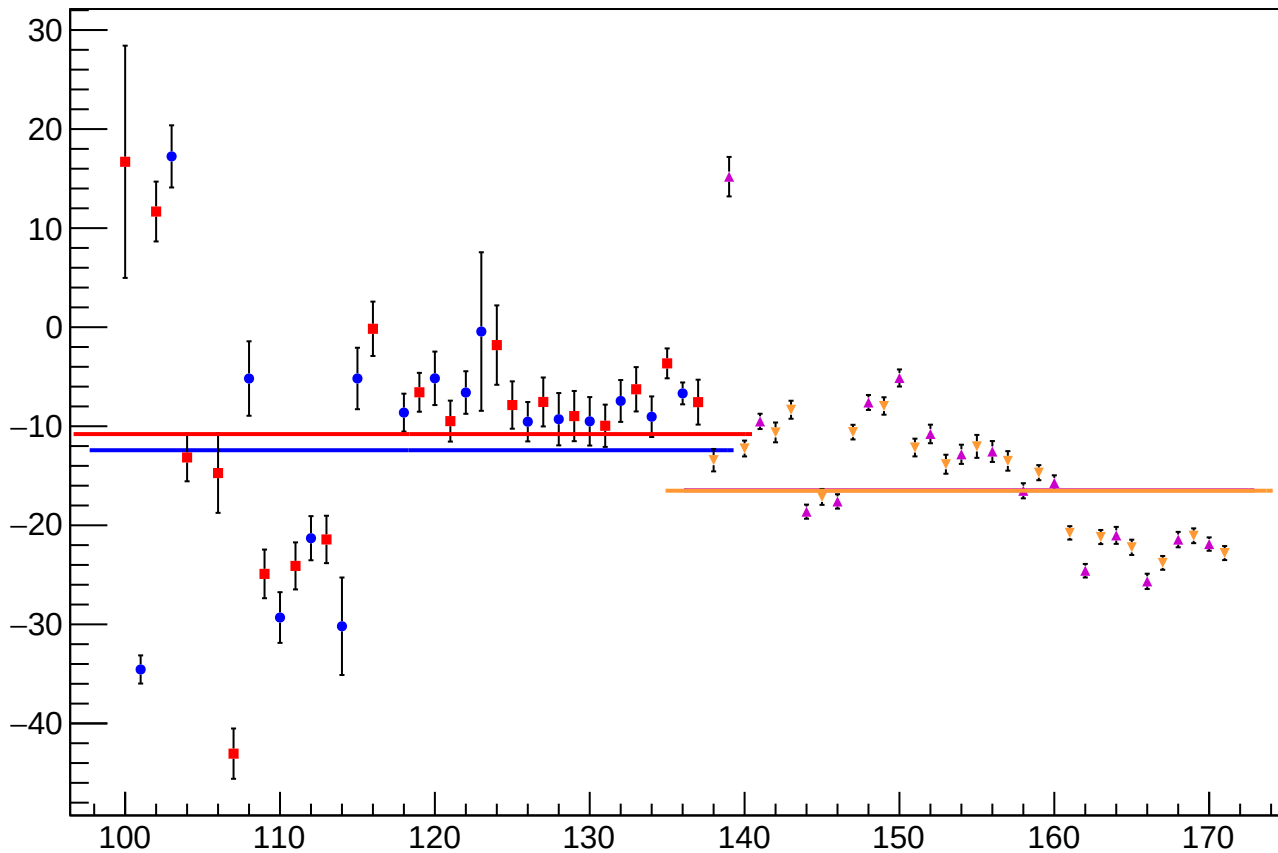


Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$
 Left Out: -69.221 ± 0.231 $\chi^2/\text{NDF}: 912.3/17$
 Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$
 Left In: -69.770 ± 0.238 $\chi^2/\text{NDF}: 971.9/15$

Left: -69.487 ± 0.166 $\chi^2/\text{NDF}: 1887.0/33$
 Right: -43.161 ± 0.602 $\chi^2/\text{NDF}: 253.4/35$
 In: -67.767 ± 0.229 $\chi^2/\text{NDF}: 2013.2/32$
 Out: -67.495 ± 0.224 $\chi^2/\text{NDF}: 1901.9/36$

All: -67.628 ± 0.160 $\chi^2/\text{NDF}: 3915.9/69$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -16.508 ± 0.194 χ^2/NDF : 733.8/17

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

Left In: -16.464 ± 0.203 χ^2/NDF : 1135.6/15

Left: -16.487 ± 0.140 χ^2/NDF : 1869.4/33

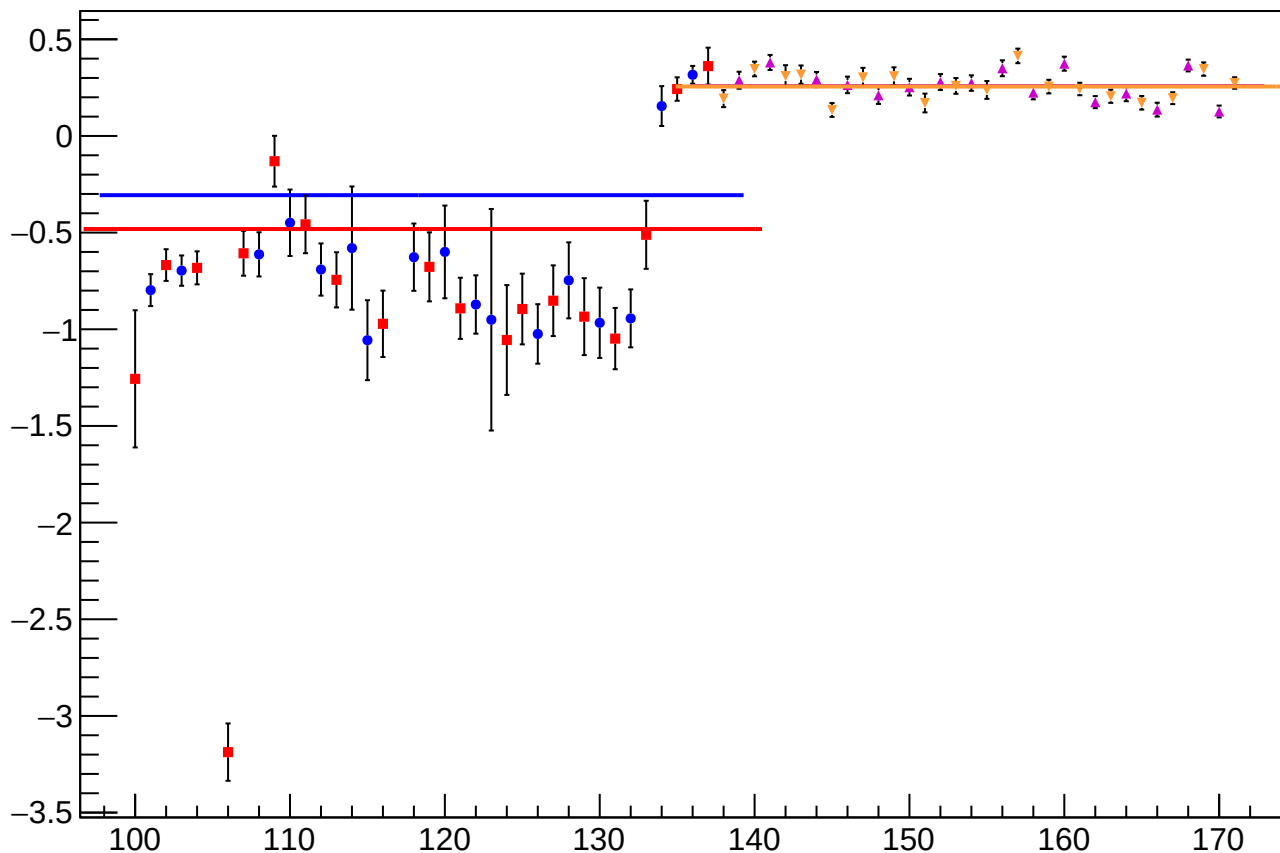
Right: -11.652 ± 0.380 χ^2/NDF : 844.7/35

In: -15.936 ± 0.189 χ^2/NDF : 1661.9/32

Out: -15.886 ± 0.183 χ^2/NDF : 1194.6/36

All: -15.910 ± 0.131 χ^2/NDF : 2856.5/69

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: 0.256 ± 0.009 χ^2/NDF : 64.0/17

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.258 ± 0.009 χ^2/NDF : 79.0/15

Left: 0.257 ± 0.007 χ^2/NDF : 143.1/33

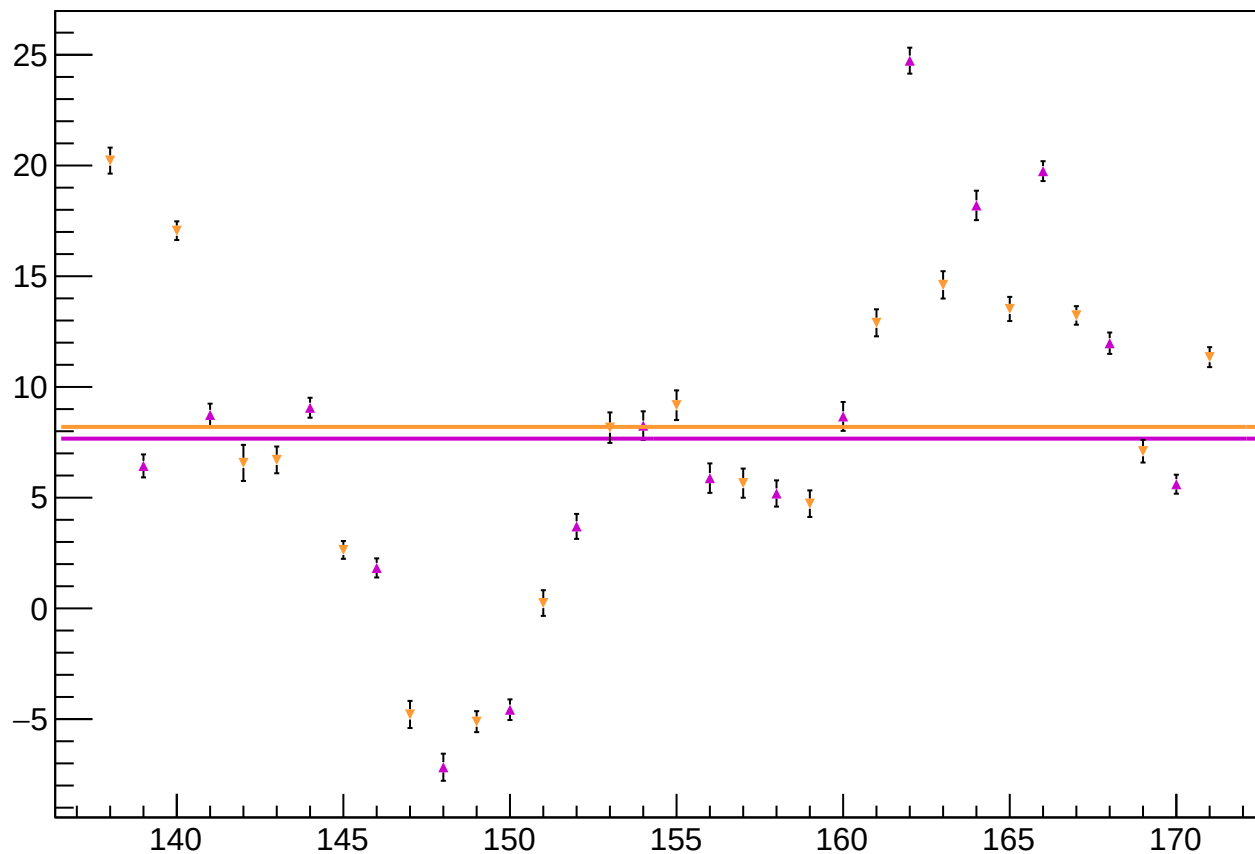
Right: -0.391 ± 0.020 χ^2/NDF : 1019.4/35

In: 0.199 ± 0.009 χ^2/NDF : 826.3/32

Out: 0.189 ± 0.009 χ^2/NDF : 1296.8/36

All: 0.194 ± 0.006 χ^2/NDF : 2123.8/69

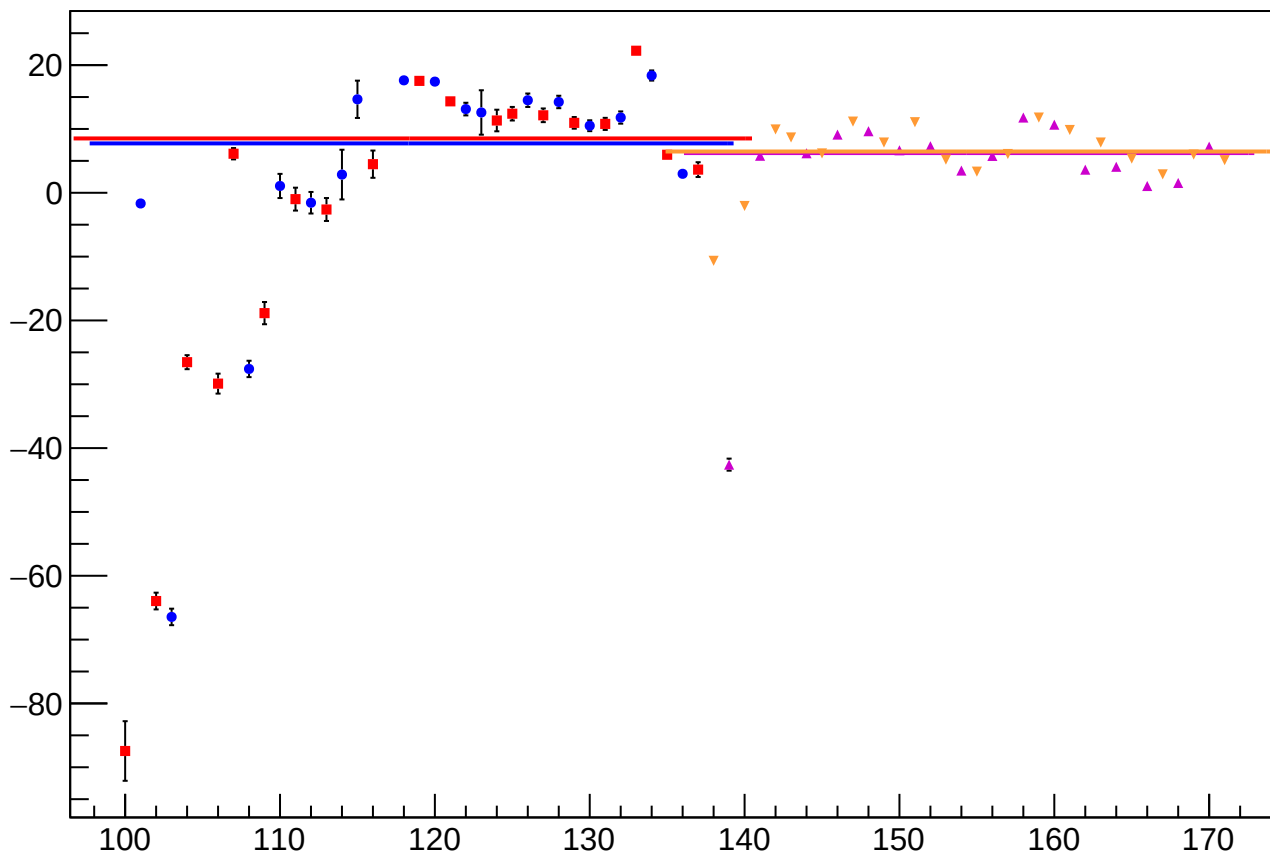
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.196 $\pm$ 0.127 χ^2 /NDF:2999.2/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 7.666 $\pm$ 0.131 χ^2 /NDF:3483.5/15

Left: 7.939 $\pm$ 0.091 χ^2 /NDF: 6491.1/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 7.666 $\pm$ 0.131 χ^2 /NDF:3483.5/15
 Out: 8.196 $\pm$ 0.127 χ^2 /NDF:2999.2/17
 All: 7.939 $\pm$ 0.091 χ^2 /NDF: 6491.1/33

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 ± 0.218 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 6.467 ± 0.092 $\chi^2/\text{NDF}: 2358.2/17$

Right Out: 8.514 ± 0.213 $\chi^2/\text{NDF}: 6719.4/18$

Left In: 6.222 ± 0.096 $\chi^2/\text{NDF}: 3597.1/15$

Left: 6.349 ± 0.066 $\chi^2/\text{NDF}: 5958.8/33$

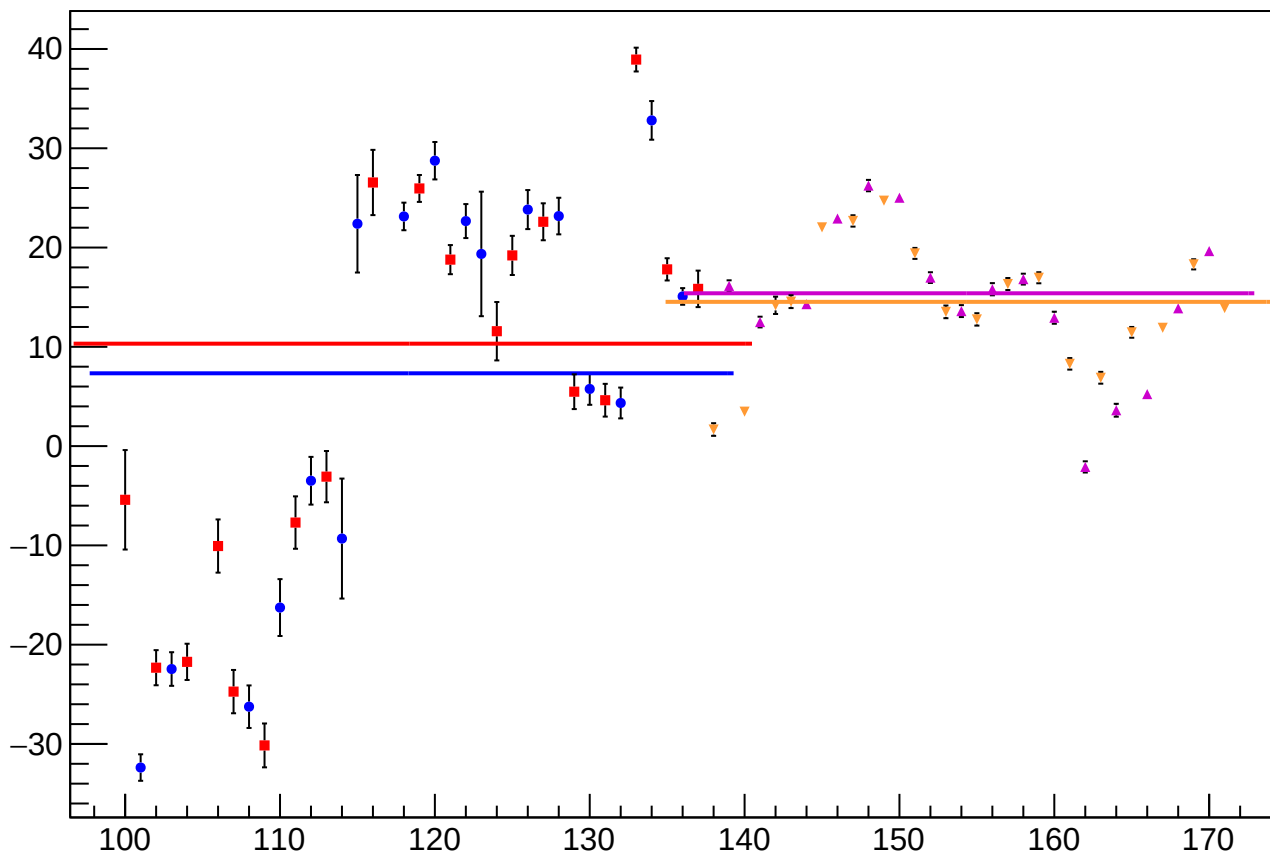
Right: 8.134 ± 0.152 $\chi^2/\text{NDF}: 12026.5/35$

In: 6.467 ± 0.088 $\chi^2/\text{NDF}: 8938.2/32$

Out: 6.788 ± 0.084 $\chi^2/\text{NDF}: 9155.4/36$

All: 6.634 ± 0.061 $\chi^2/\text{NDF}: 18100.5/69$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 $\pm$ 0.419 χ^2 /NDF: 2293.1/16

Left Out: 14.530 $\pm$ 0.127 χ^2 /NDF: 2578.8/17

Right Out: 10.317 $\pm$ 0.417 χ^2 /NDF: 2281.5/18

Left In: 15.394 $\pm$ 0.129 χ^2 /NDF: 3142.3/15

Left: 14.953 $\pm$ 0.090 χ^2 /NDF: 5743.9/33

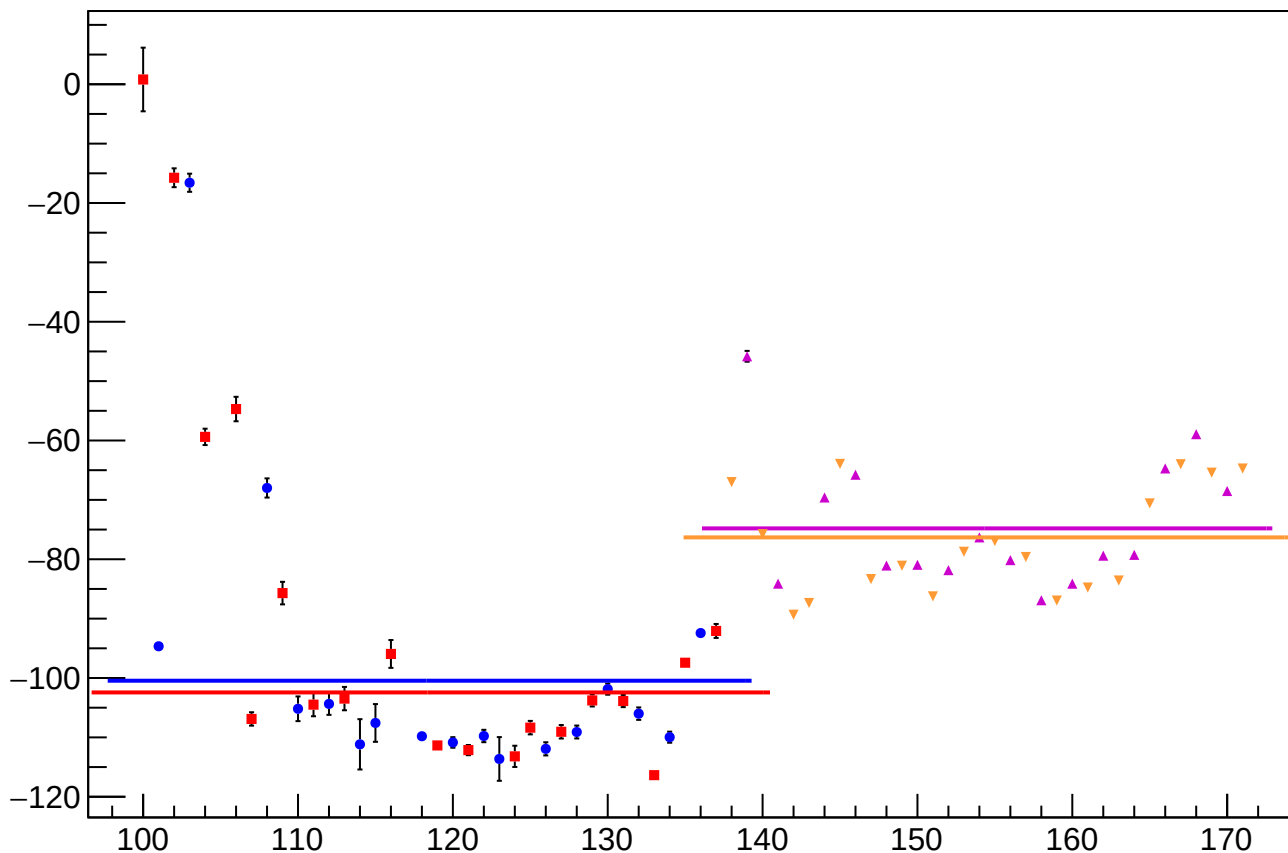
Right: 8.831 $\pm$ 0.295 χ^2 /NDF: 4600.2/35

In: 14.692 $\pm$ 0.124 χ^2 /NDF: 5774.0/32

Out: 14.174 $\pm$ 0.121 χ^2 /NDF: 4953.8/36

All: 14.428 $\pm$ 0.086 χ^2 /NDF: 10736.8/69

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457 $\pm$ 0.251 χ^2 /NDF: 4461.1/16

Left Out: -76.318 $\pm$ 0.107 χ^2 /NDF: 7132.3/17

Right Out: -102.431 $\pm$ 0.246 χ^2 /NDF: 6094.3/18

Left In: -74.801 $\pm$ 0.111 χ^2 /NDF: 6482.1/15

Left: -75.589 $\pm$ 0.077 χ^2 /NDF: 13711.8/33

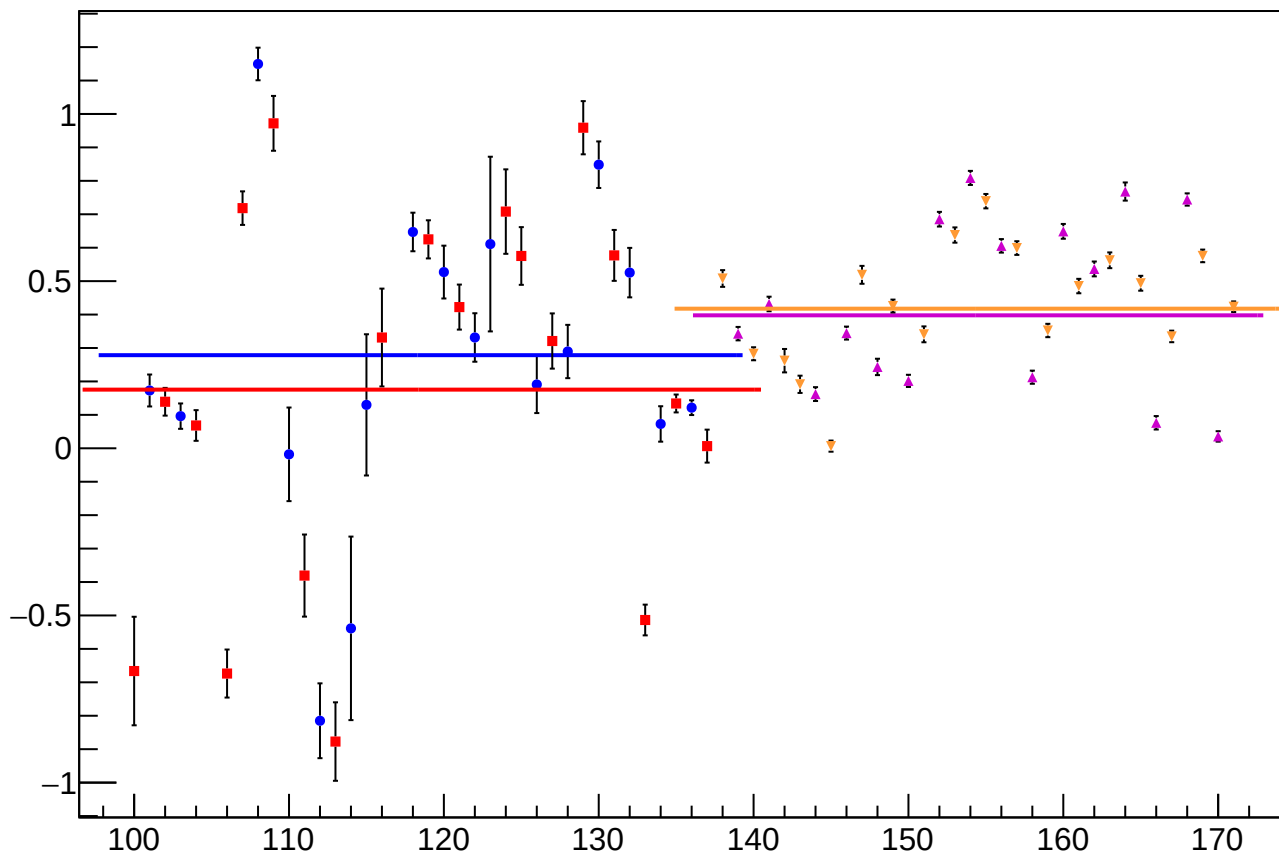
Right: -101.462 $\pm$ 0.176 χ^2 /NDF: 10586.9/35

In: -78.989 $\pm$ 0.101 χ^2 /NDF: 19703.5/32

Out: -80.438 $\pm$ 0.098 χ^2 /NDF: 22696.6/36

All: -79.739 $\pm$ 0.070 χ^2 /NDF: 42505.9/69

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: 0.418 $\pm$ 0.005 χ^2 /NDF:1348.4/17

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

Left In: 0.398 $\pm$ 0.005 χ^2 /NDF:2549.7/15

Left: 0.408 $\pm$ 0.004 χ^2 /NDF: 3906.0/33

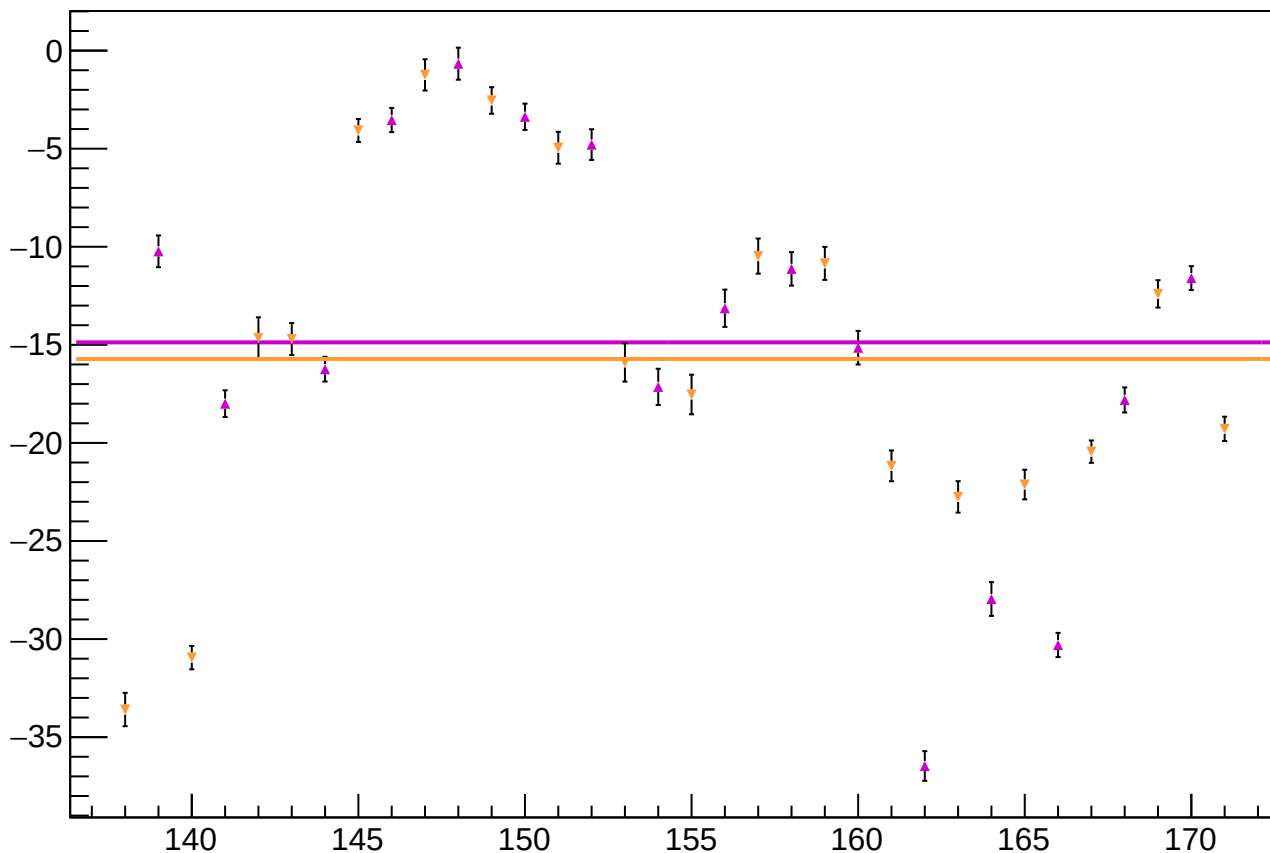
Right: 0.227 $\pm$ 0.010 χ^2 /NDF: 1650.8/35

In: 0.383 $\pm$ 0.005 χ^2 /NDF:3271.7/32

Out: 0.389 $\pm$ 0.005 χ^2 /NDF:2600.7/36

All: 0.386 $\pm$ 0.003 χ^2 /NDF: 5873.2/69

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: -15.719+/-0.176 χ^2/NDF : 2769.3/17

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

Left In: -14.874+/-0.182 χ^2/NDF : 2912.3/15

Left: -15.310+/-0.127 χ^2/NDF : 5692.7/33

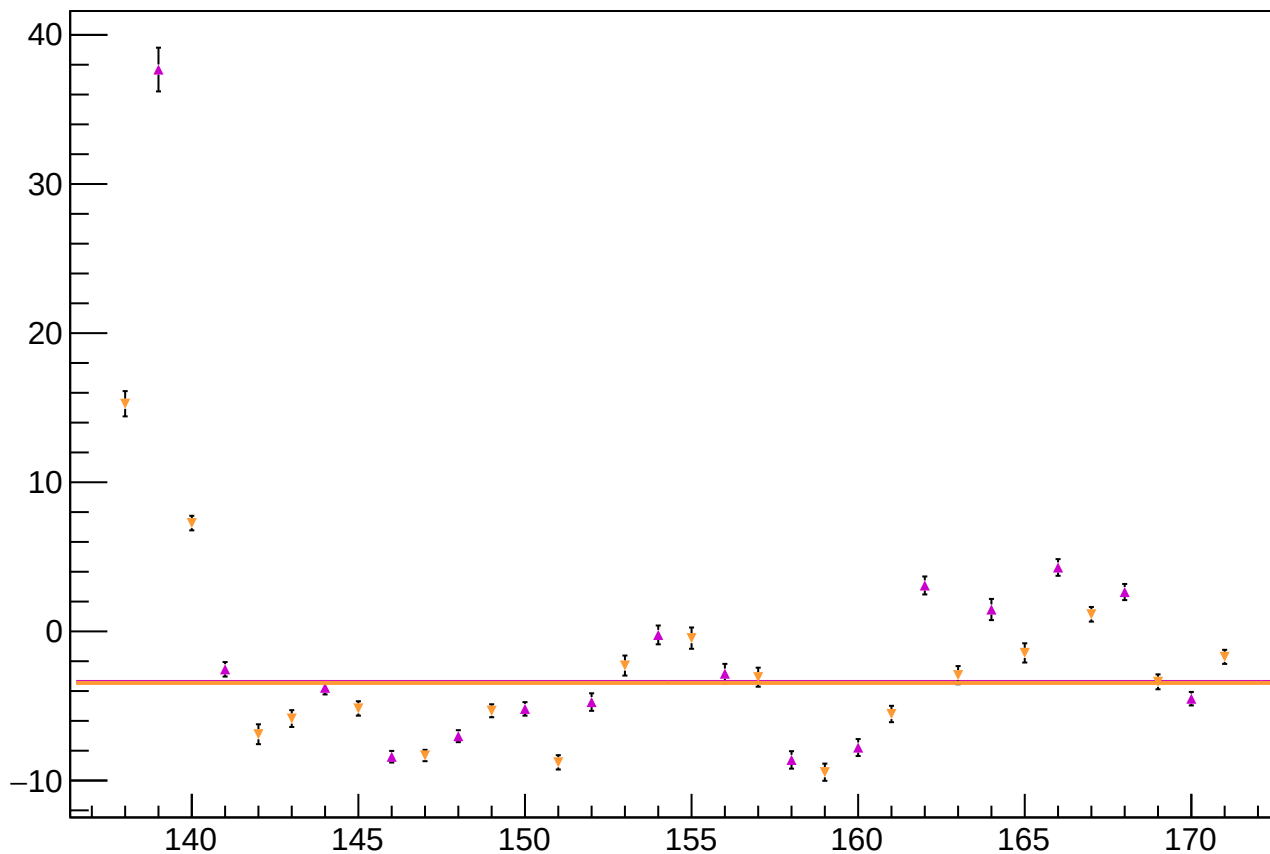
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.874+/-0.182 χ^2/NDF : 2912.3/15

Out: -15.719+/-0.176 χ^2/NDF : 2769.3/17

All: -15.310+/-0.127 χ^2/NDF : 5692.7/33

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: -3.455+/-0.127 χ^2/NDF :1585.3/17

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

Left In: -3.391+/-0.132 χ^2/NDF :1702.5/15

Left: -3.424+/-0.091 χ^2/NDF : 3287.9/33

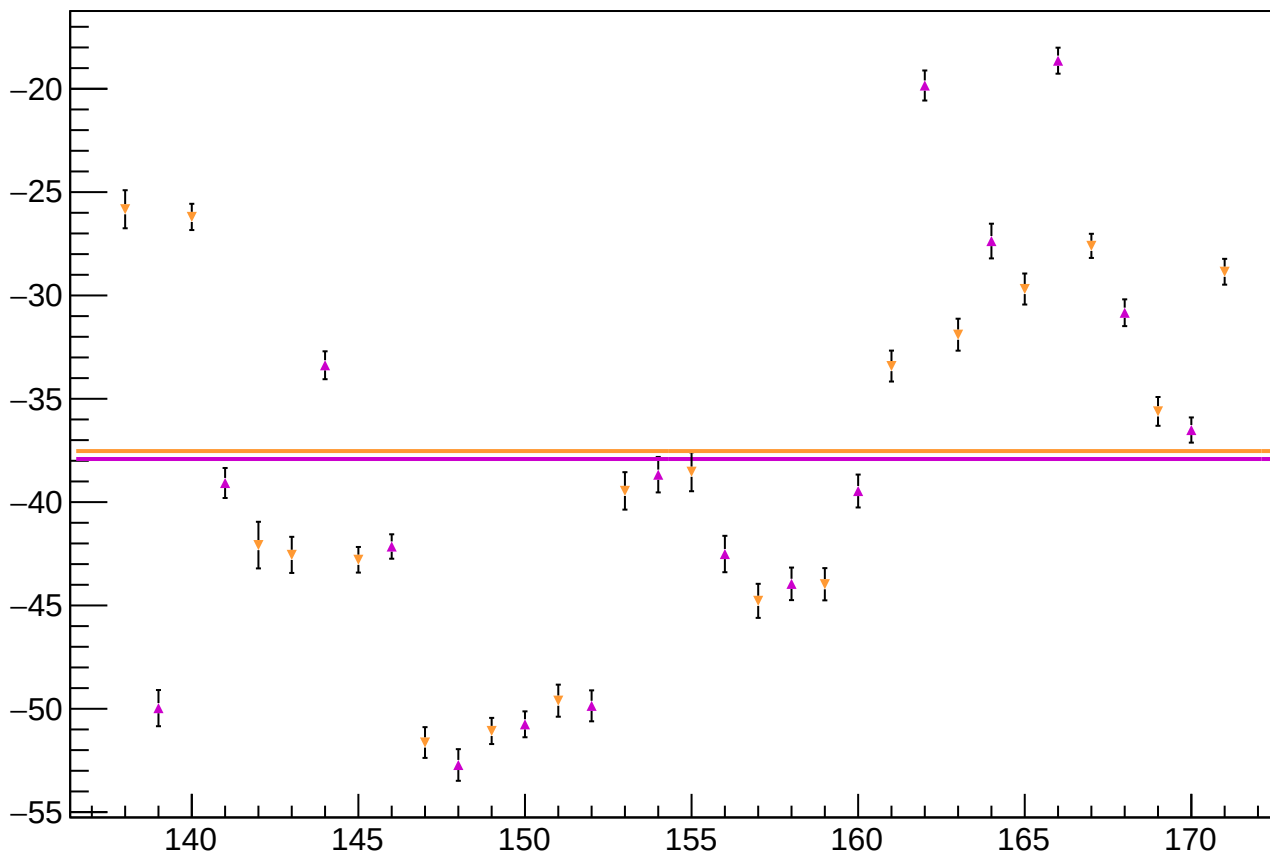
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -3.391+/-0.132 χ^2/NDF :1702.5/15

Out: -3.455+/-0.127 χ^2/NDF :1585.3/17

All: -3.424+/-0.091 χ^2/NDF : 3287.9/33

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: -37.529+/-0.175 χ^2/NDF :2493.1/17

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

Left In: -37.914+/-0.180 χ^2/NDF :3265.3/15

Left: -37.717+/-0.125 χ^2/NDF : 5760.7/33

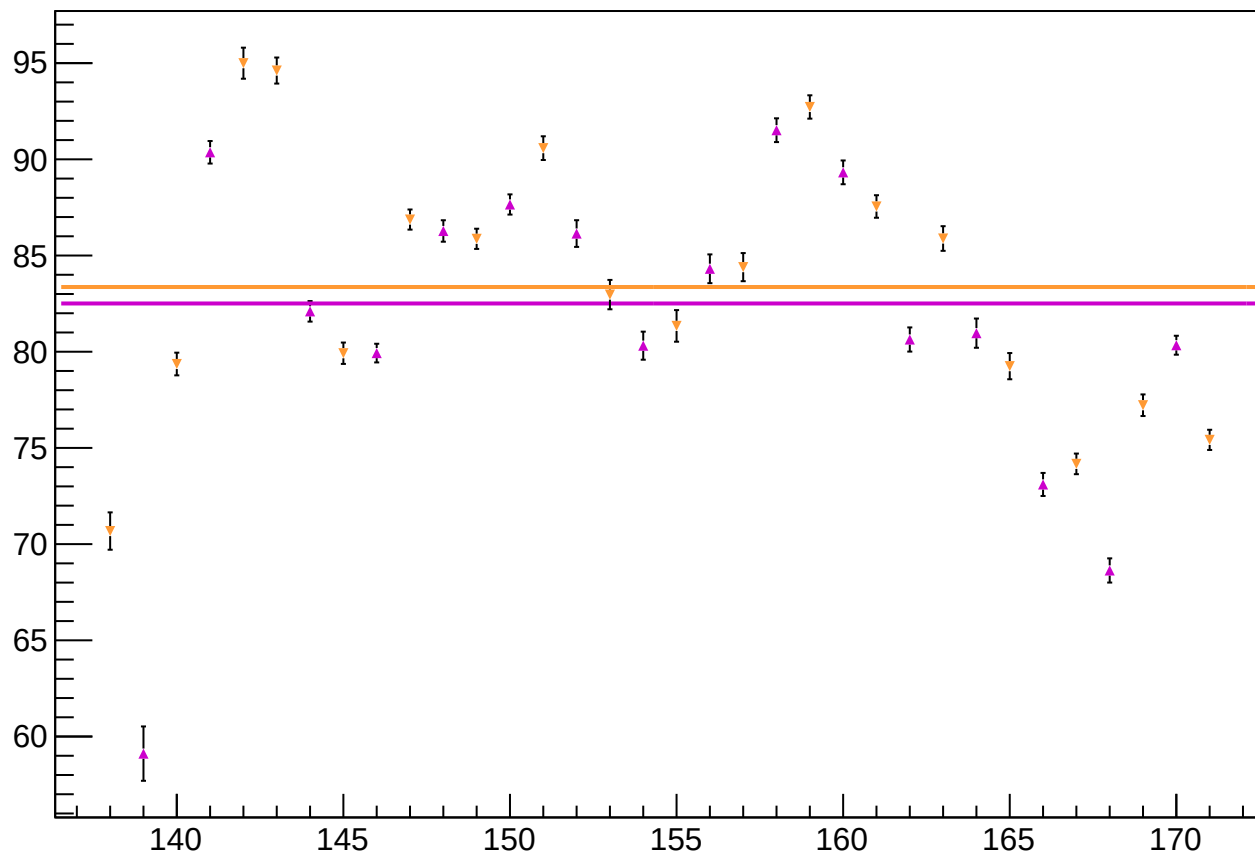
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.914+/-0.180 χ^2/NDF :3265.3/15

Out: -37.529+/-0.175 χ^2/NDF :2493.1/17

All: -37.717+/-0.125 χ^2/NDF : 5760.7/33

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: 83.364+/-0.147 χ^2/NDF :1935.9/17

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

Left In: 82.508+/-0.153 χ^2/NDF :1767.3/15

Left: 82.953+/-0.106 χ^2/NDF : 3719.5/33

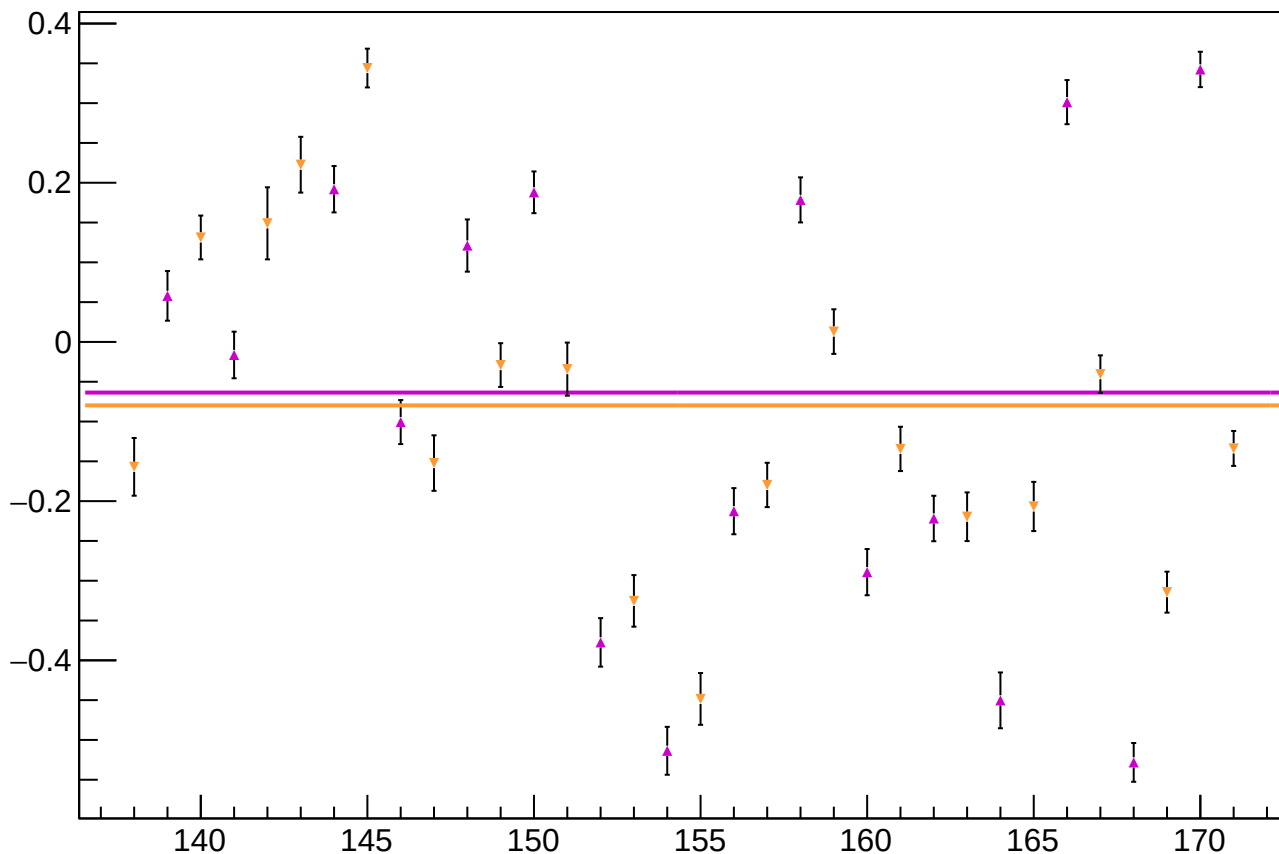
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 82.508+/-0.153 χ^2/NDF :1767.3/15

Out: 83.364+/-0.147 χ^2/NDF :1935.9/17

All: 82.953+/-0.106 χ^2/NDF : 3719.5/33

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: -0.080+/-0.007 χ^2/NDF : 819.3/17

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

Left In: -0.064+/-0.007 χ^2/NDF : 1733.1/15

Left: -0.072+/-0.005 χ^2/NDF : 2555.1/33

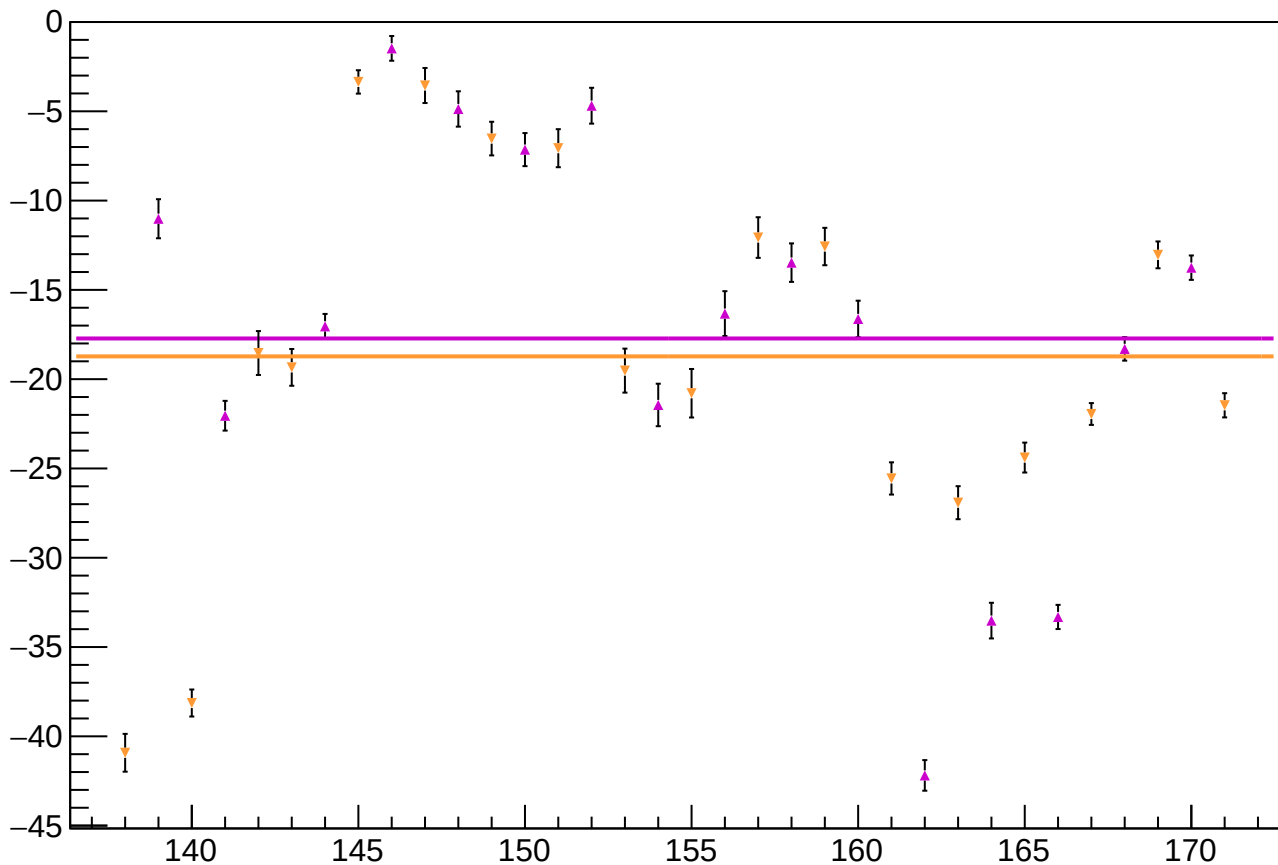
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.064+/-0.007 χ^2/NDF : 1733.1/15

Out: -0.080+/-0.007 χ^2/NDF : 819.3/17

All: -0.072+/-0.005 χ^2/NDF : 2555.1/33

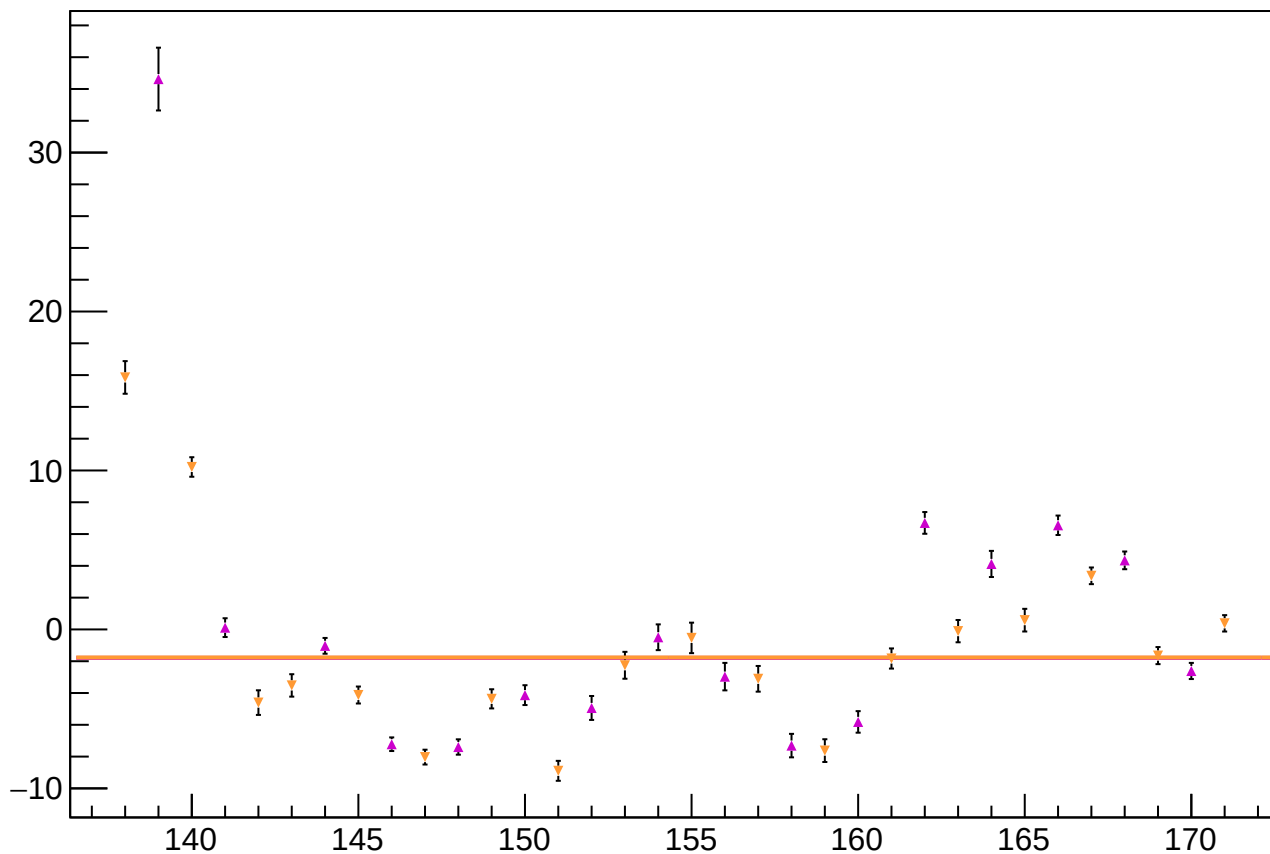
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -18.725 ± 0.209 χ^2/NDF : 2529.5/17
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -17.721 ± 0.214 χ^2/NDF : 2741.9/15

Left: -18.236 ± 0.150 χ^2/NDF : 5282.7/33
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -17.721 ± 0.214 χ^2/NDF : 2741.9/15
 Out: -18.725 ± 0.209 χ^2/NDF : 2529.5/17
 All: -18.236 ± 0.150 χ^2/NDF : 5282.7/33

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



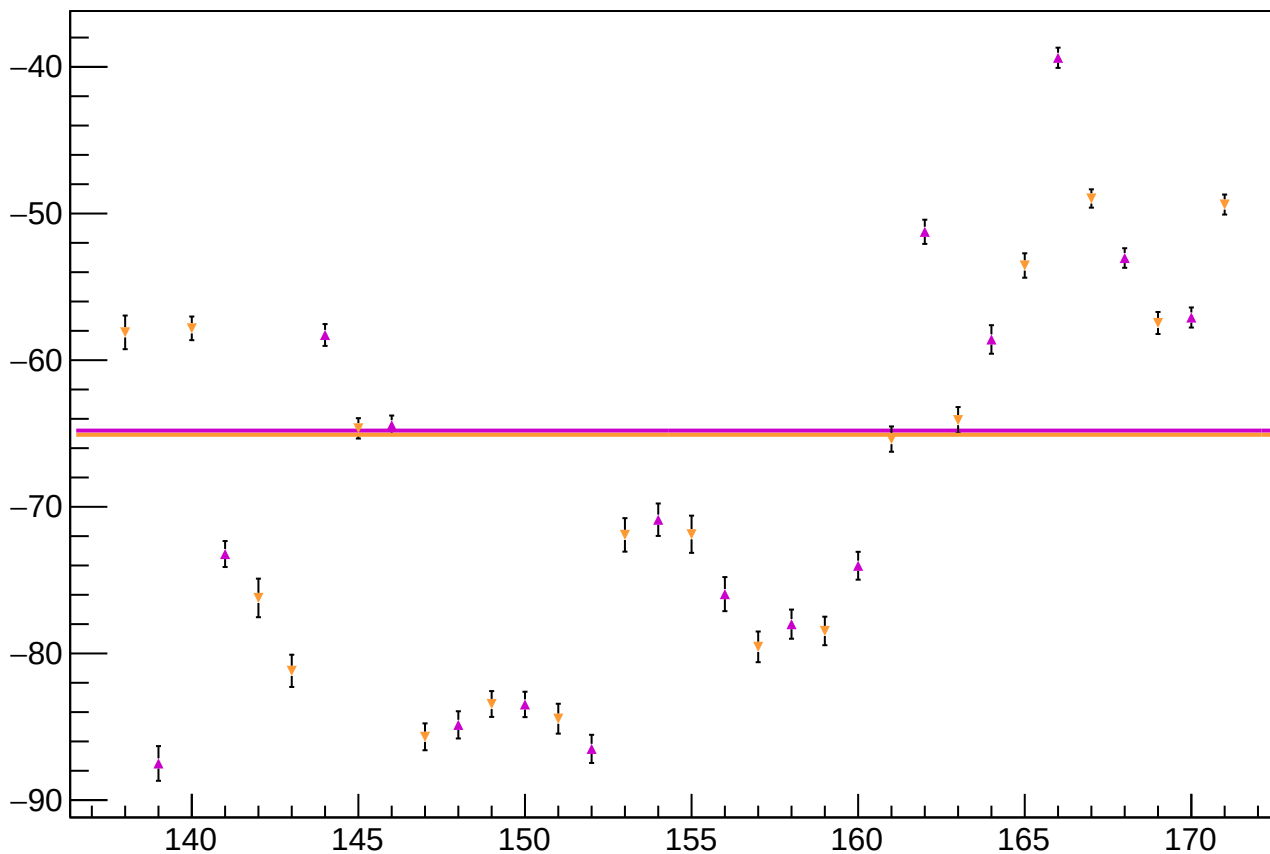
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.765+/-0.151 χ^2/NDF :1243.7/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.789+/-0.155 χ^2/NDF :1290.8/15

Left: -1.777+/-0.108 χ^2/NDF : 2534.5/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.789+/-0.155 χ^2/NDF :1290.8/15
 Out: -1.765+/-0.151 χ^2/NDF :1243.7/17

All: -1.777+/-0.108 χ^2/NDF : 2534.5/33

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: -65.088+/-0.208 χ^2/NDF :3640.9/17

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

Left In: -64.802+/-0.212 χ^2/NDF :4479.6/15

Left: -64.948+/-0.148 χ^2/NDF : 8121.4/33

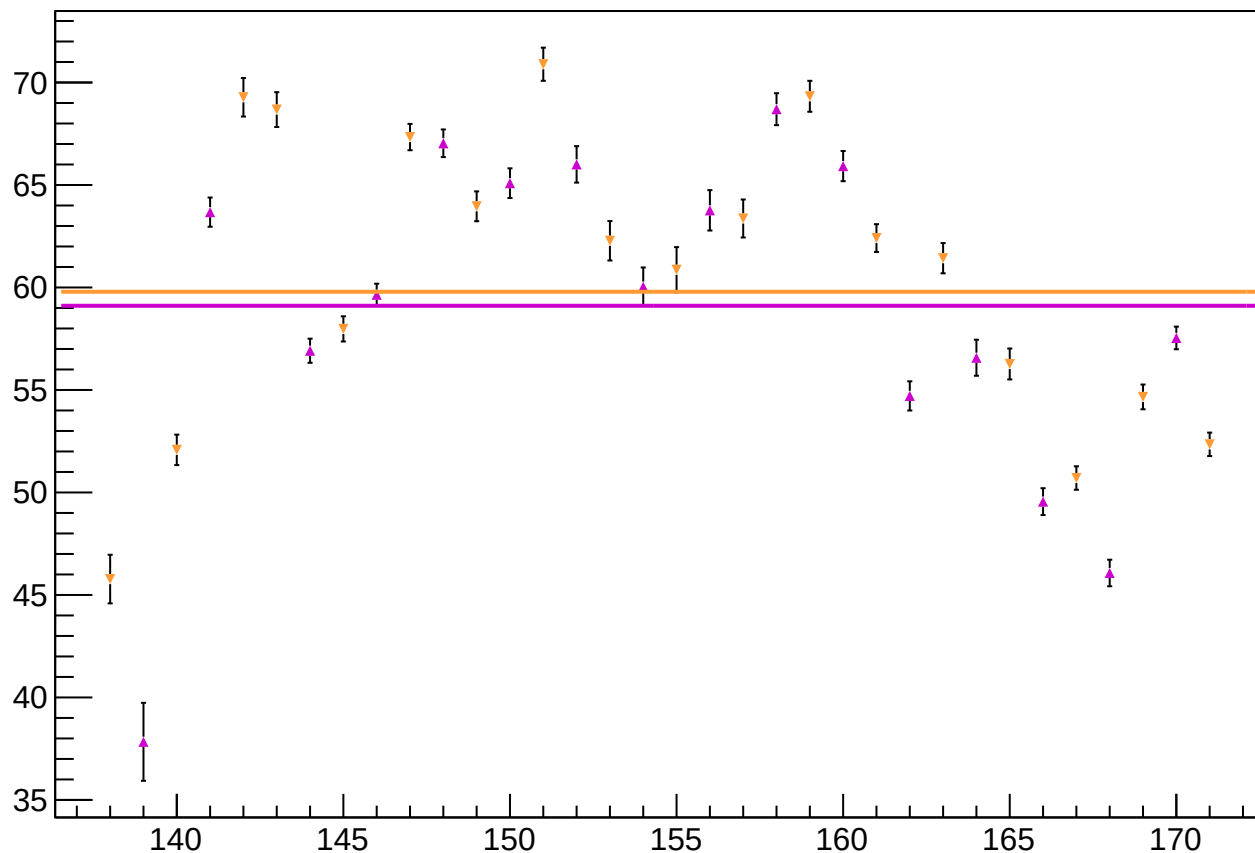
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -64.802+/-0.212 χ^2/NDF :4479.6/15

Out: -65.088+/-0.208 χ^2/NDF :3640.9/17

All: -64.948+/-0.148 χ^2/NDF : 8121.4/33

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: 59.791+/-0.174 χ^2/NDF :1543.5/17

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

Left In: 59.108+/-0.180 χ^2/NDF :1380.2/15

Left: 59.461+/-0.125 χ^2/NDF : 2931.2/33

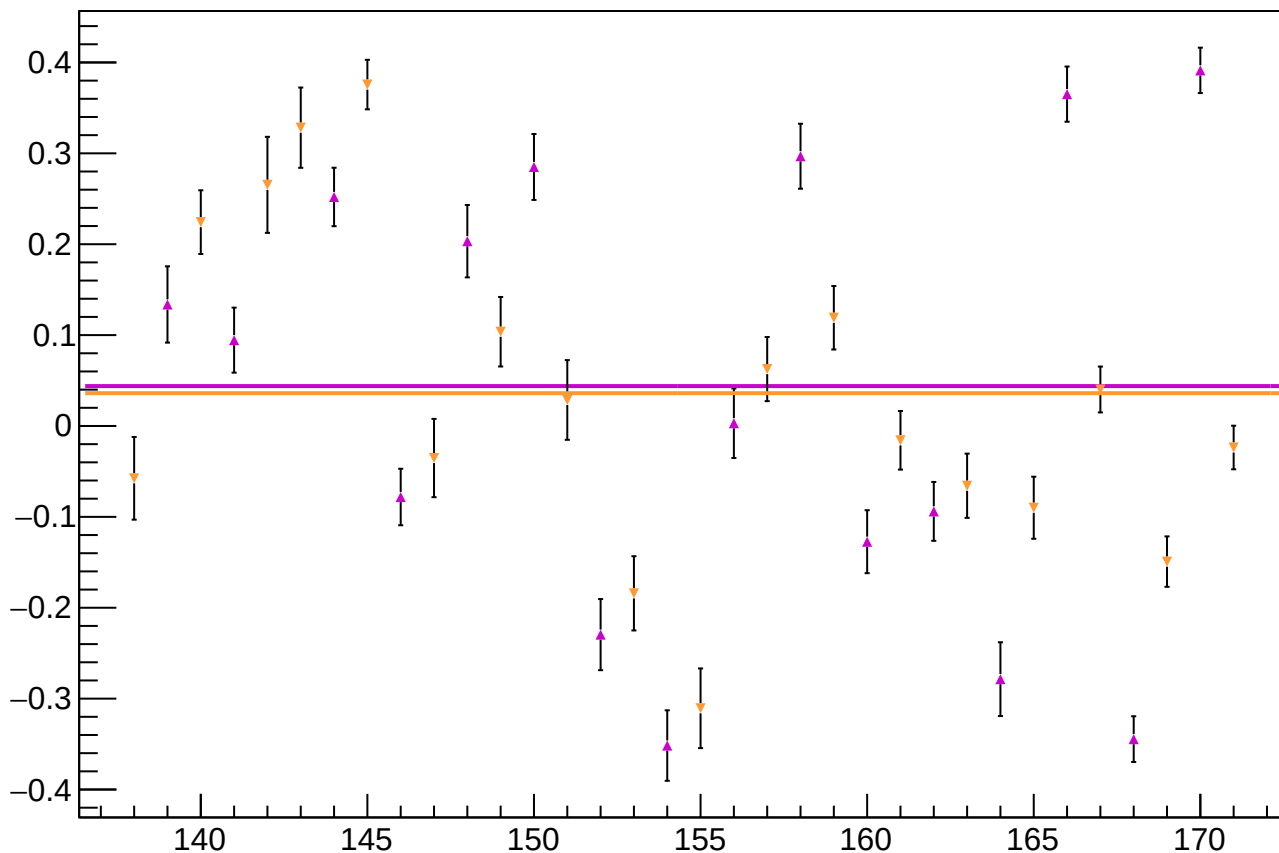
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 59.108+/-0.180 χ^2/NDF :1380.2/15

Out: 59.791+/-0.174 χ^2/NDF :1543.5/17

All: 59.461+/-0.125 χ^2/NDF : 2931.2/33

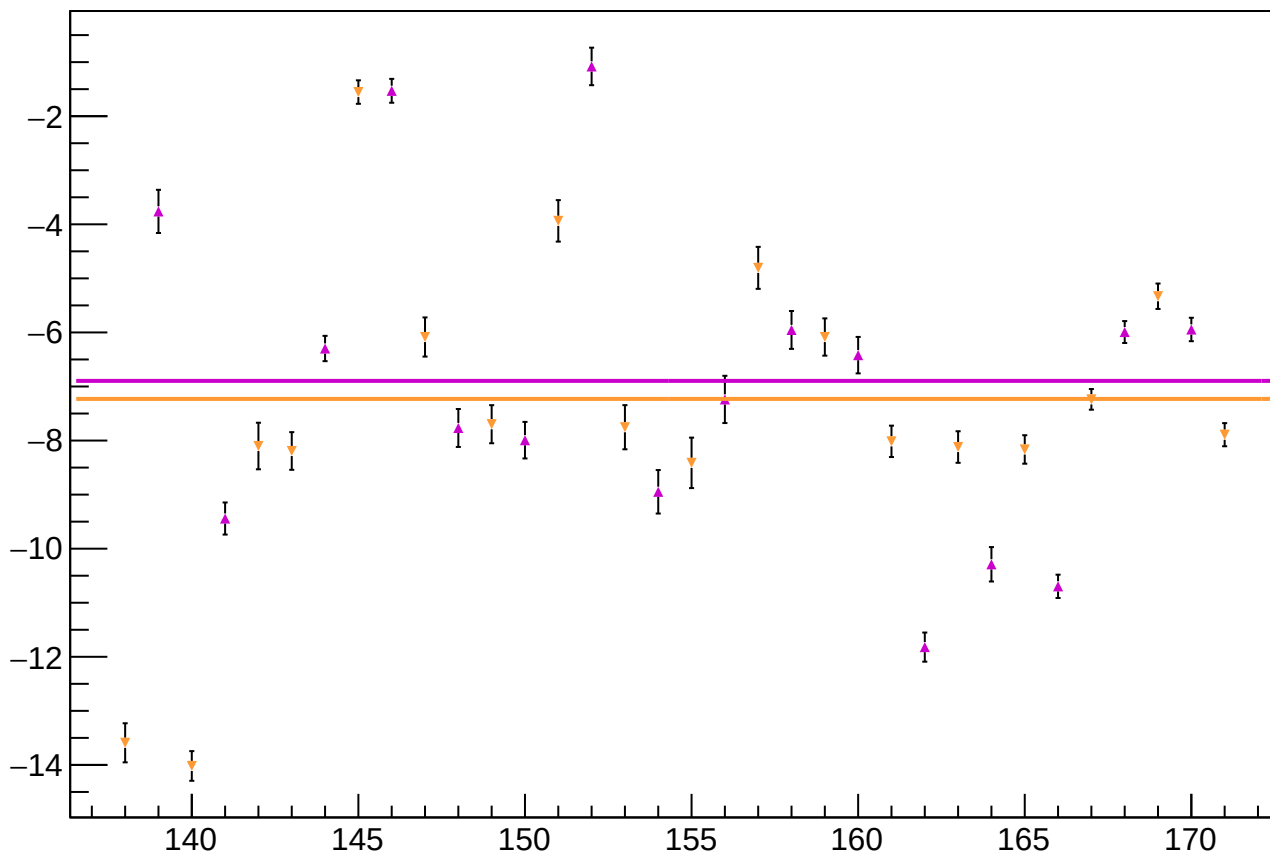
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.036 $\pm$ 0.008 χ^2 /NDF:430.1/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.044 $\pm$ 0.008 χ^2 /NDF:977.0/15

Left: 0.040 $\pm$ 0.006 χ^2 /NDF: 1407.5/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.044 $\pm$ 0.008 χ^2 /NDF:977.0/15
 Out: 0.036 $\pm$ 0.008 χ^2 /NDF:430.1/17
 All: 0.040 $\pm$ 0.006 χ^2 /NDF: 1407.5/33

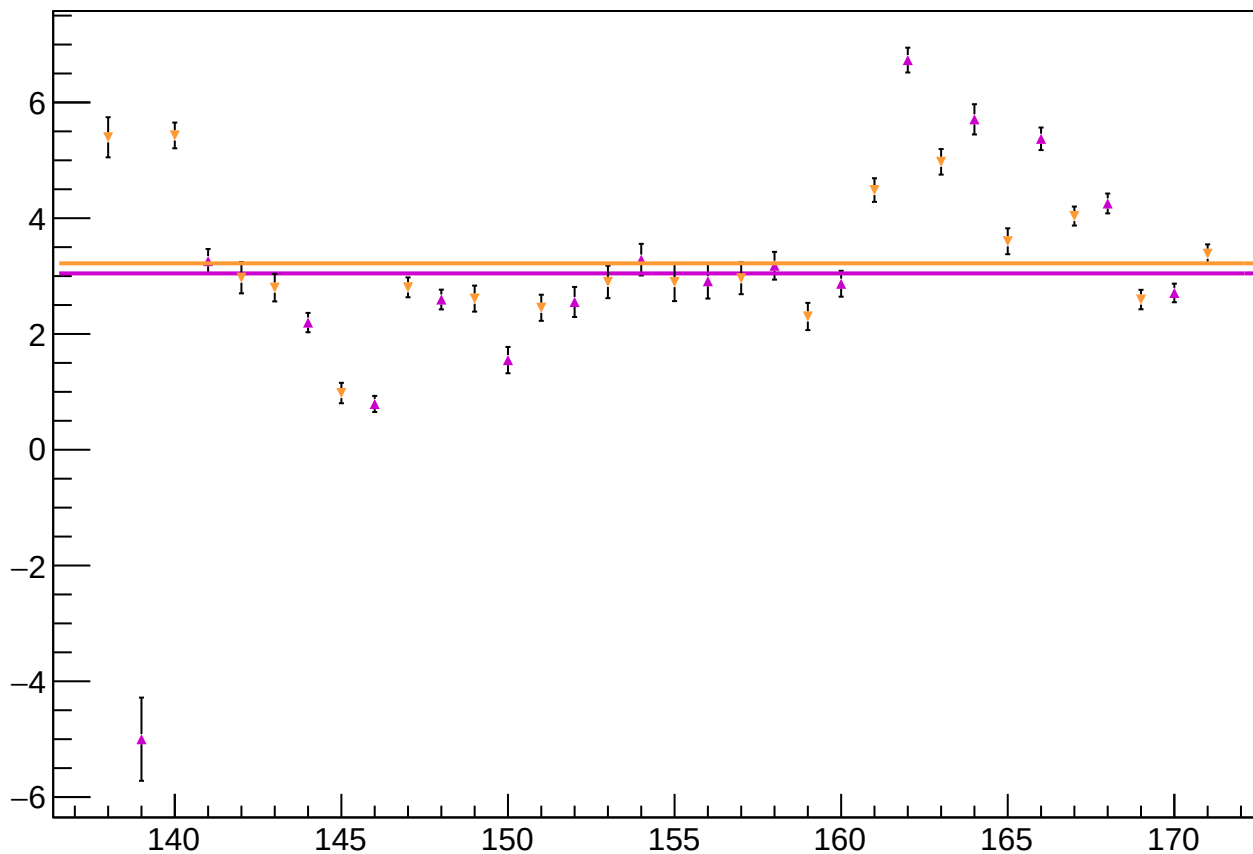
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.230+/-0.069 χ^2/NDF :1864.1/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.896+/-0.071 χ^2/NDF :1862.3/15

Left: -7.066+/-0.049 χ^2/NDF : 3737.8/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.896+/-0.071 χ^2/NDF :1862.3/15
 Out: -7.230+/-0.069 χ^2/NDF :1864.1/17
 All: -7.066+/-0.049 χ^2/NDF : 3737.8/33

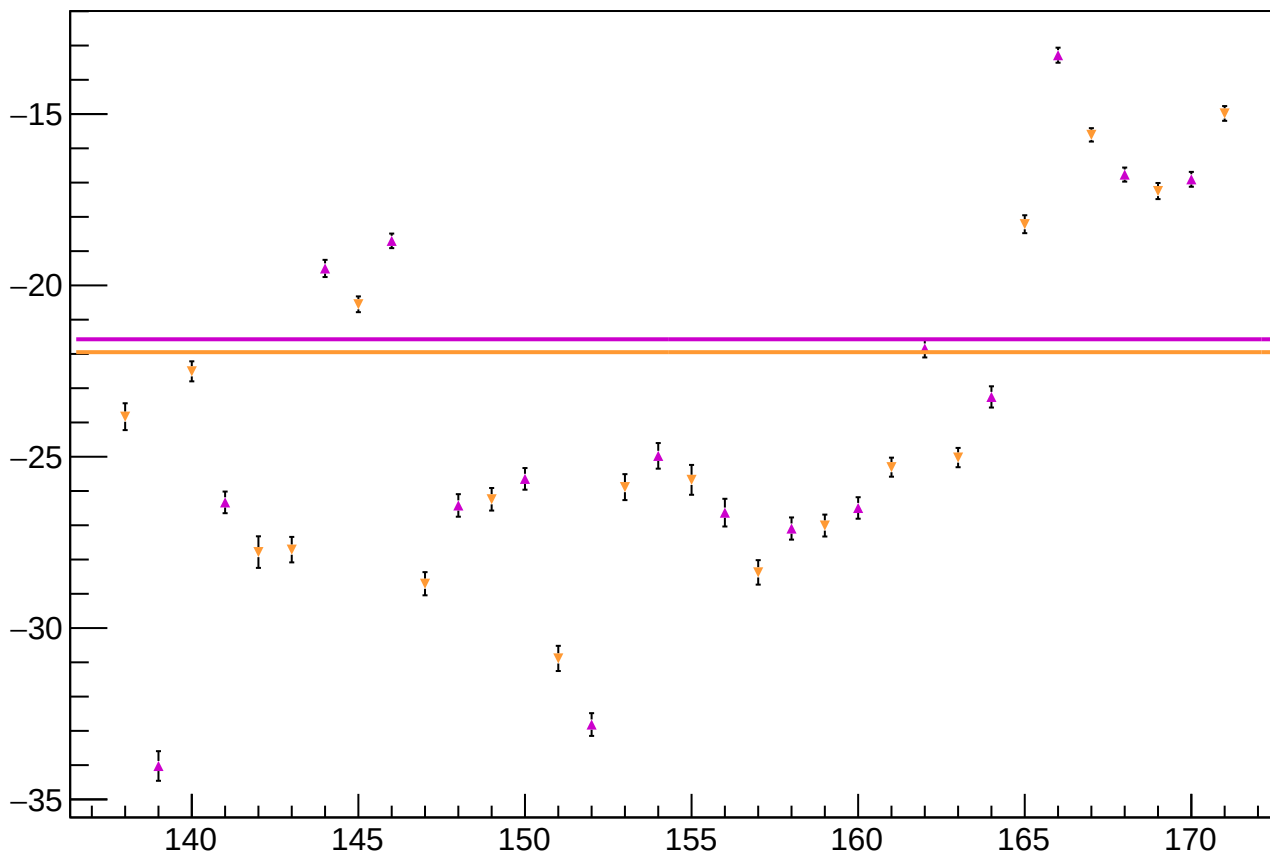
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.220 $\pm$ 0.050 χ^2 /NDF:491.0/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.046 $\pm$ 0.051 χ^2 /NDF:1064.8/15

Left: 3.135 $\pm$ 0.036 χ^2 /NDF: 1561.7/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.046 $\pm$ 0.051 χ^2 /NDF:1064.8/15
 Out: 3.220 $\pm$ 0.050 χ^2 /NDF:491.0/17
 All: 3.135 $\pm$ 0.036 χ^2 /NDF: 1561.7/33

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: -21.948+/-0.069 χ^2/NDF : 5344.6/17

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

Left In: -21.572+/-0.070 χ^2/NDF : 6078.3/15

Left: -21.762+/-0.049 χ^2/NDF : 11437.6/33

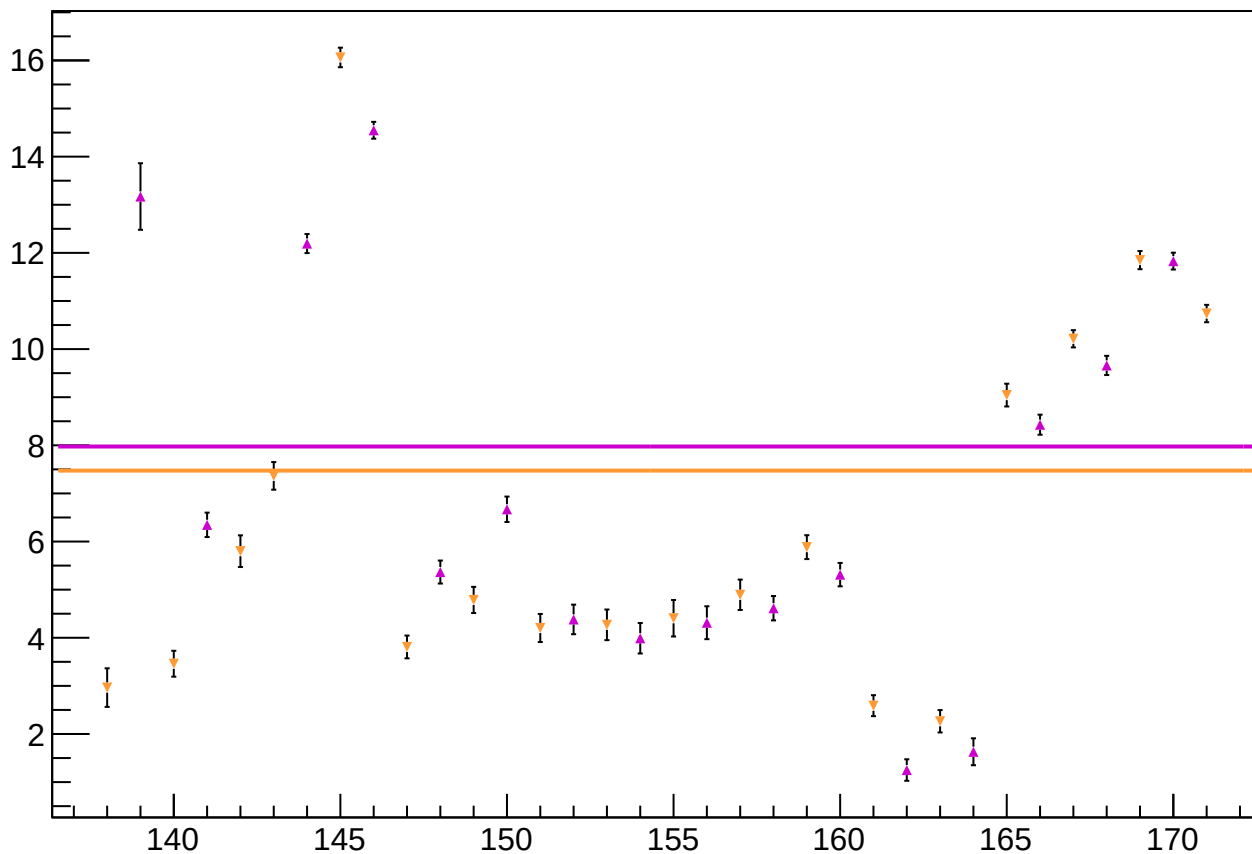
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.572+/-0.070 χ^2/NDF : 6078.3/15

Out: -21.948+/-0.069 χ^2/NDF : 5344.6/17

All: -21.762+/-0.049 χ^2/NDF : 11437.6/33

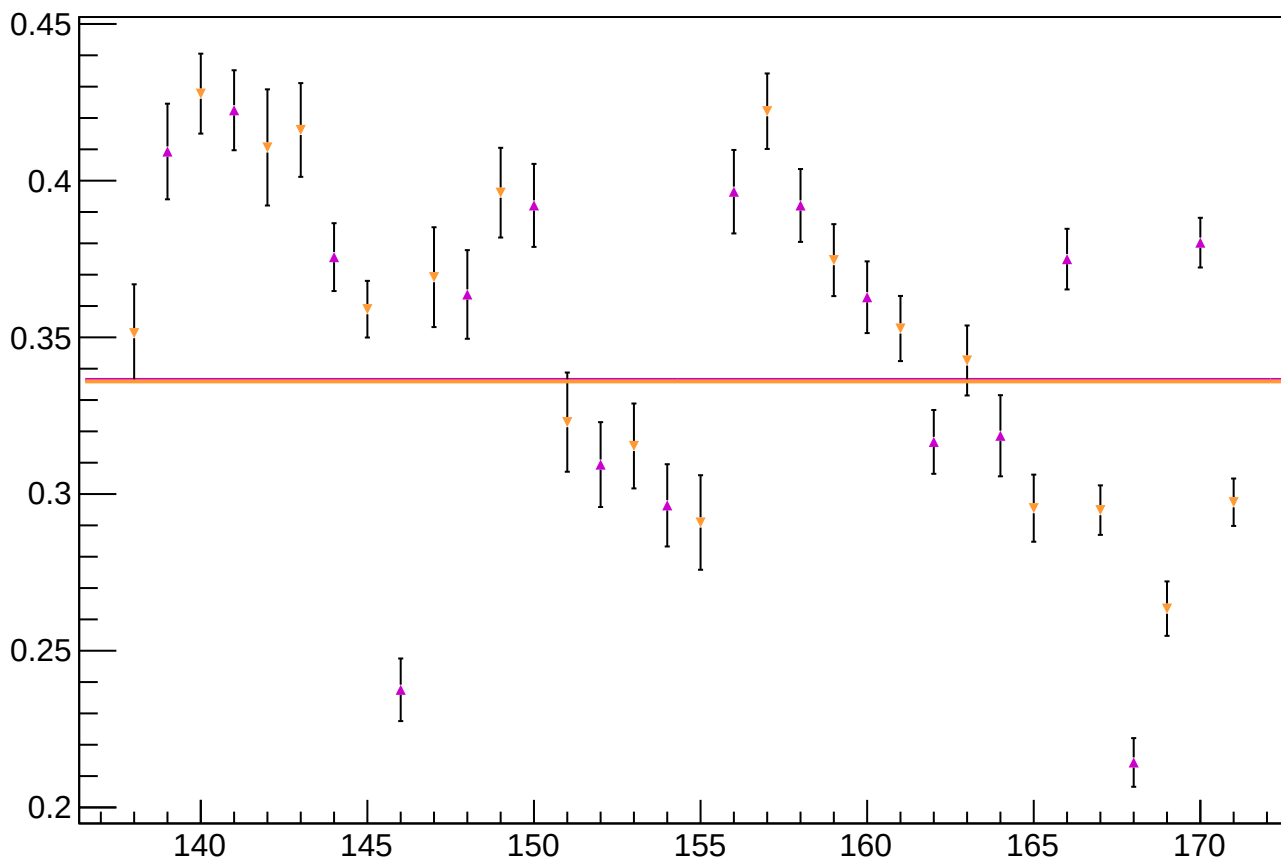
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.475+/-0.058 χ^2/NDF :5044.2/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.975+/-0.059 χ^2/NDF :4794.7/15

Left: 7.718+/-0.041 χ^2/NDF : 9875.3/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.975+/-0.059 χ^2/NDF :4794.7/15
 Out: 7.475+/-0.058 χ^2/NDF :5044.2/17
 All: 7.718+/-0.041 χ^2/NDF : 9875.3/33

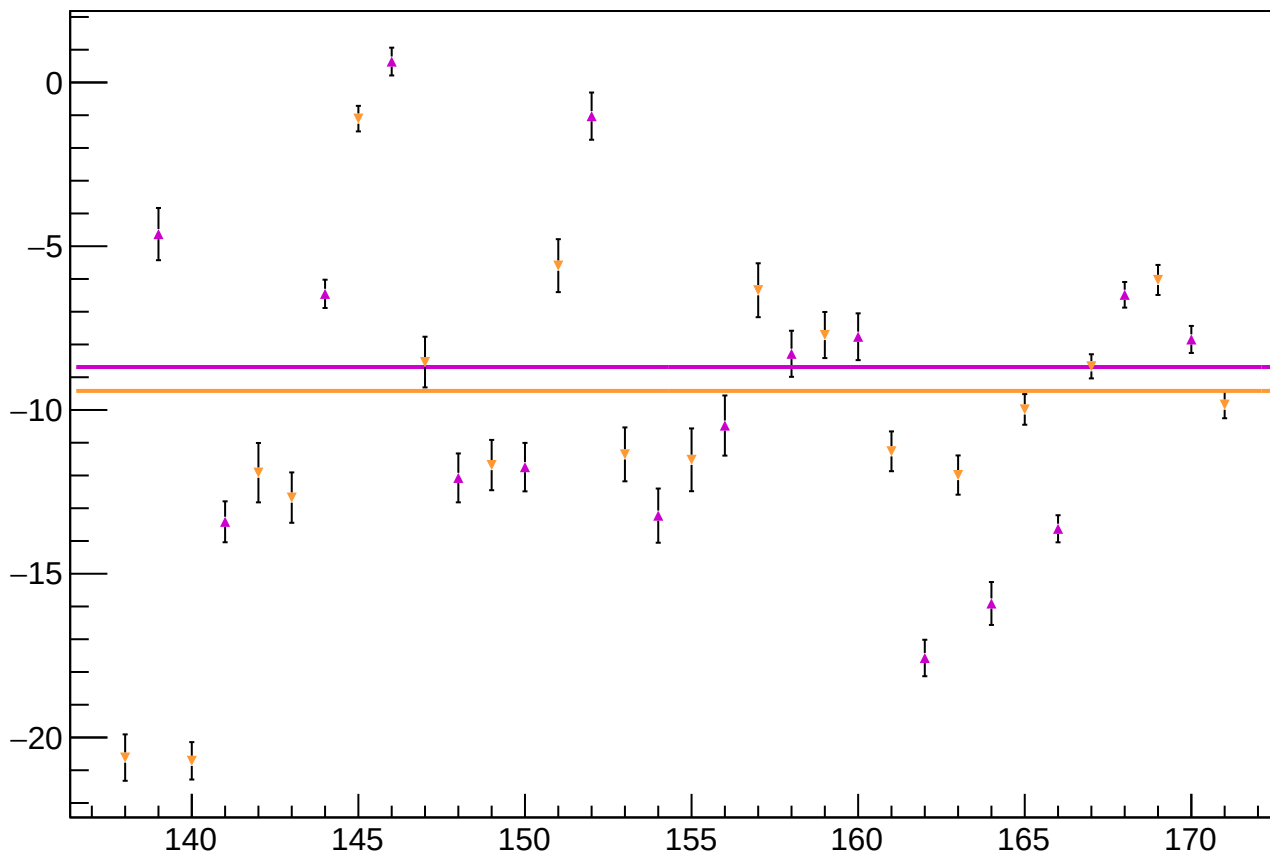
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.336 $\pm$ 0.003 χ^2 /NDF:340.8/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.336 $\pm$ 0.003 χ^2 /NDF:561.6/15

Left: 0.336 $\pm$ 0.002 χ^2 /NDF: 902.4/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.336 $\pm$ 0.003 χ^2 /NDF:561.6/15
 Out: 0.336 $\pm$ 0.003 χ^2 /NDF:340.8/17
 All: 0.336 $\pm$ 0.002 χ^2 /NDF: 902.4/33

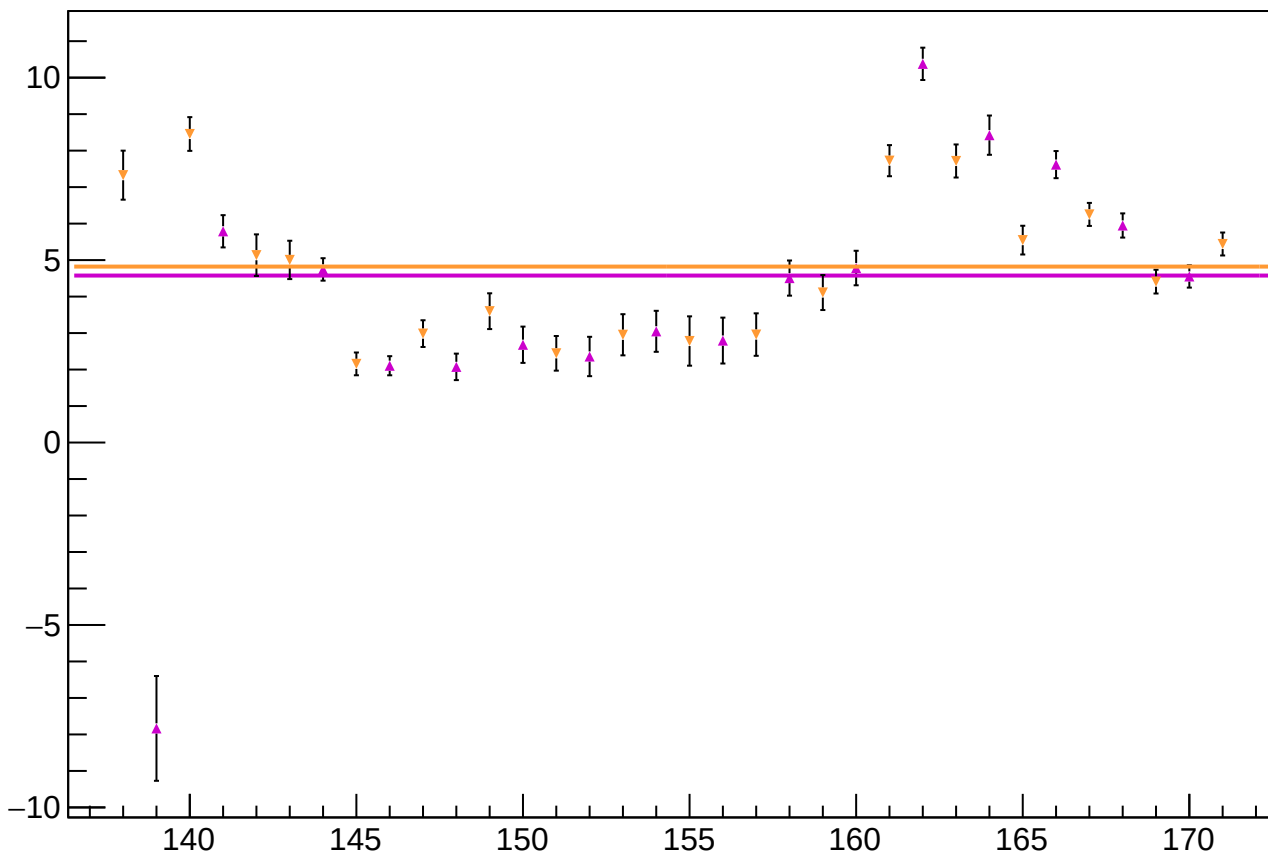
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -9.418 $\pm$ 0.137 χ^2/NDF :1271.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -8.688 $\pm$ 0.140 χ^2/NDF :1334.4/15

Left: -9.062 $\pm$ 0.098 χ^2/NDF : 2619.7/33
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -8.688 $\pm$ 0.140 χ^2/NDF :1334.4/15
 Out: -9.418 $\pm$ 0.137 χ^2/NDF :1271.5/17
 All: -9.062 $\pm$ 0.098 χ^2/NDF : 2619.7/33

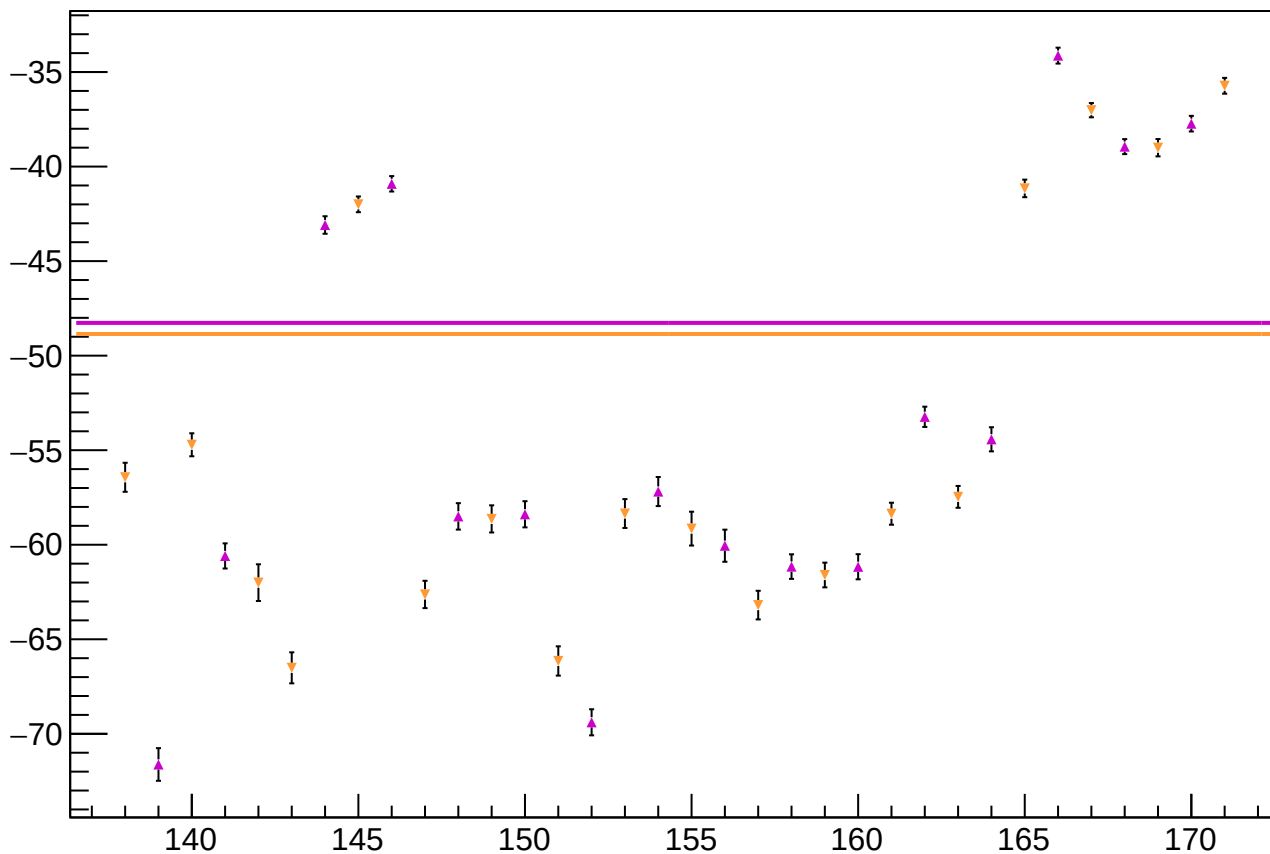
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 4.822 $\pm$ 0.101 χ^2/NDF :354.6/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 4.576 $\pm$ 0.102 χ^2/NDF :572.8/15

Left: 4.701 $\pm$ 0.072 χ^2/NDF : 930.3/33
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 4.576 $\pm$ 0.102 χ^2/NDF :572.8/15
 Out: 4.822 $\pm$ 0.101 χ^2/NDF :354.6/17
 All: 4.701 $\pm$ 0.072 χ^2/NDF : 930.3/33

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: -48.855+/-0.137 χ^2/NDF : 6382.7/17

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

Left In: -48.267+/-0.139 χ^2/NDF : 6501.0/15

Left: -48.565+/-0.097 χ^2/NDF : 12892.8/33

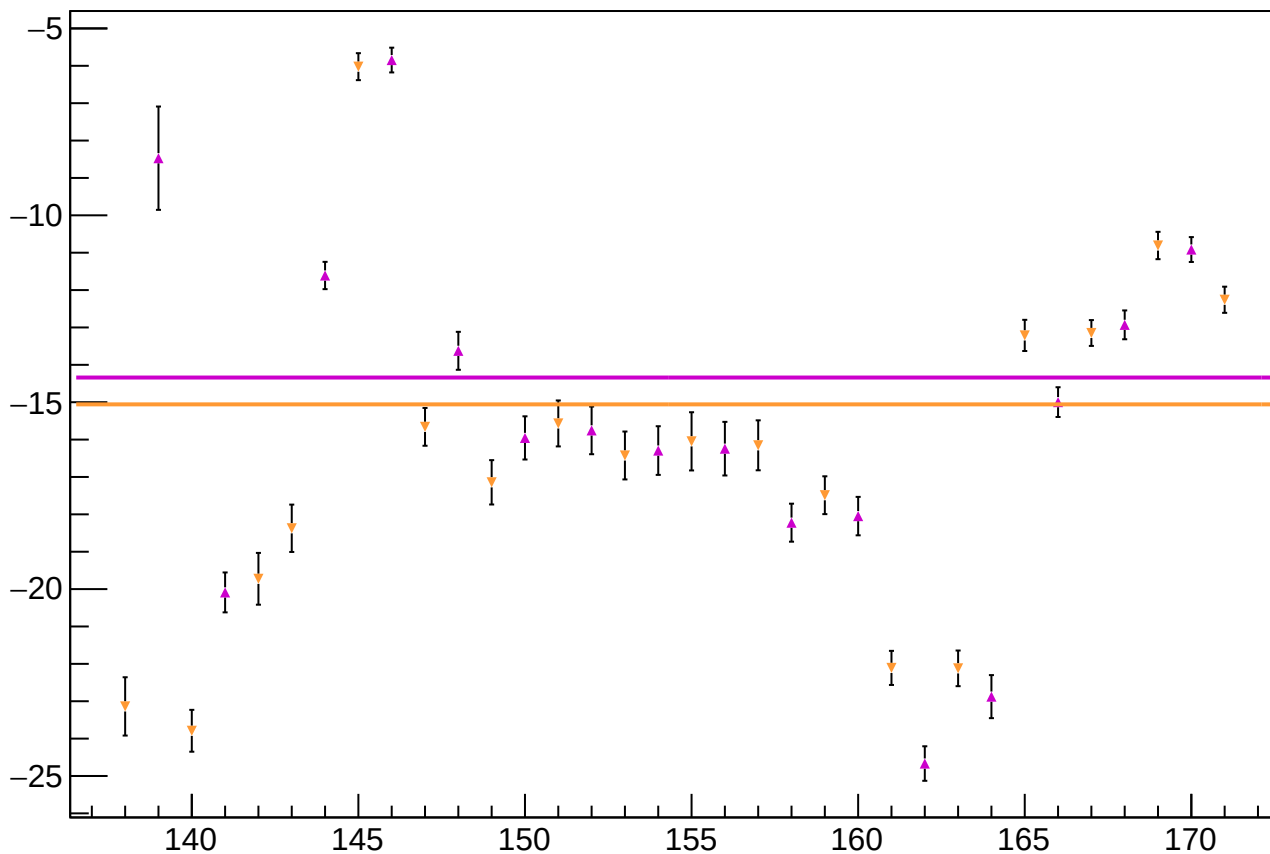
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -48.267+/-0.139 χ^2/NDF : 6501.0/15

Out: -48.855+/-0.137 χ^2/NDF : 6382.7/17

All: -48.565+/-0.097 χ^2/NDF : 12892.8/33

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -15.058 ± 0.115 $\chi^2/\text{NDF}: 1803.8/17$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -14.340 ± 0.118 $\chi^2/\text{NDF}: 1830.7/15$

Left: -14.708 ± 0.082 $\chi^2/\text{NDF}: 3653.5/33$

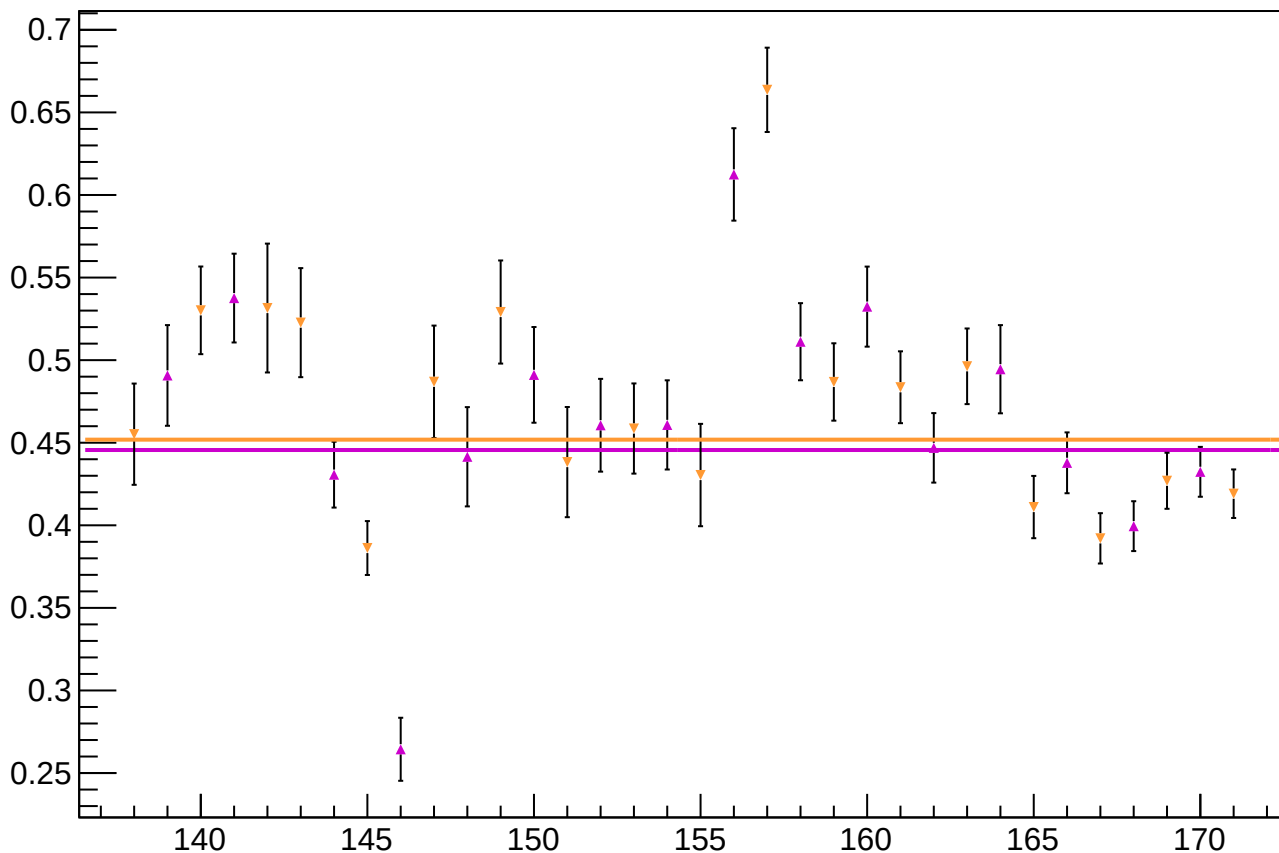
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -14.340 ± 0.118 $\chi^2/\text{NDF}: 1830.7/15$

Out: -15.058 ± 0.115 $\chi^2/\text{NDF}: 1803.8/17$

All: -14.708 ± 0.082 $\chi^2/\text{NDF}: 3653.5/33$

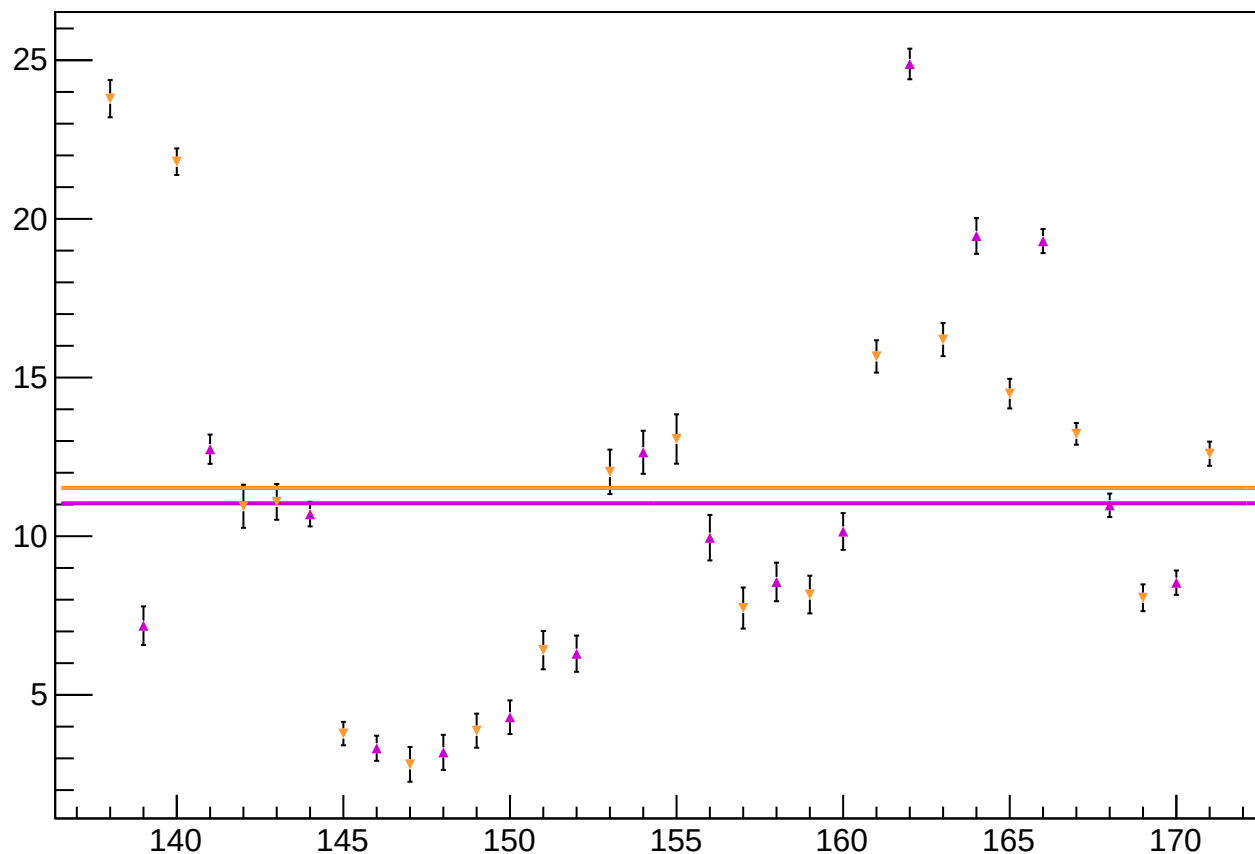
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.452 $\pm$ 0.005 χ^2 /NDF:145.7/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.446 $\pm$ 0.006 χ^2 /NDF:177.6/15

Left: 0.449 $\pm$ 0.004 χ^2 /NDF: 323.9/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.446 $\pm$ 0.006 χ^2 /NDF:177.6/15
 Out: 0.452 $\pm$ 0.005 χ^2 /NDF:145.7/17
 All: 0.449 $\pm$ 0.004 χ^2 /NDF: 323.9/33

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: 11.520+/-0.117 χ^2/NDF :2365.3/17

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

Left In: 11.037+/-0.121 χ^2/NDF :2460.6/15

Left: 11.286+/-0.084 χ^2/NDF : 4834.2/33

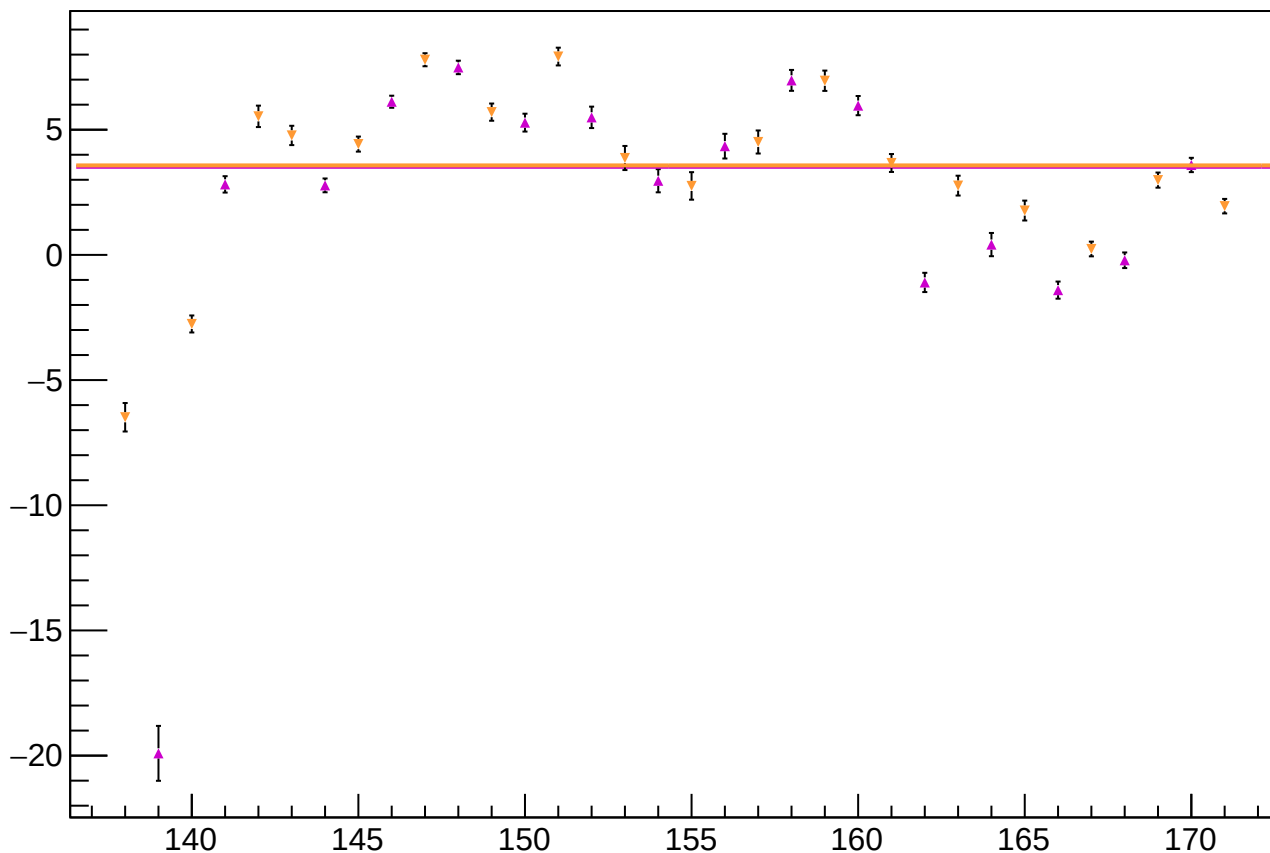
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 11.037+/-0.121 χ^2/NDF :2460.6/15

Out: 11.520+/-0.117 χ^2/NDF :2365.3/17

All: 11.286+/-0.084 χ^2/NDF : 4834.2/33

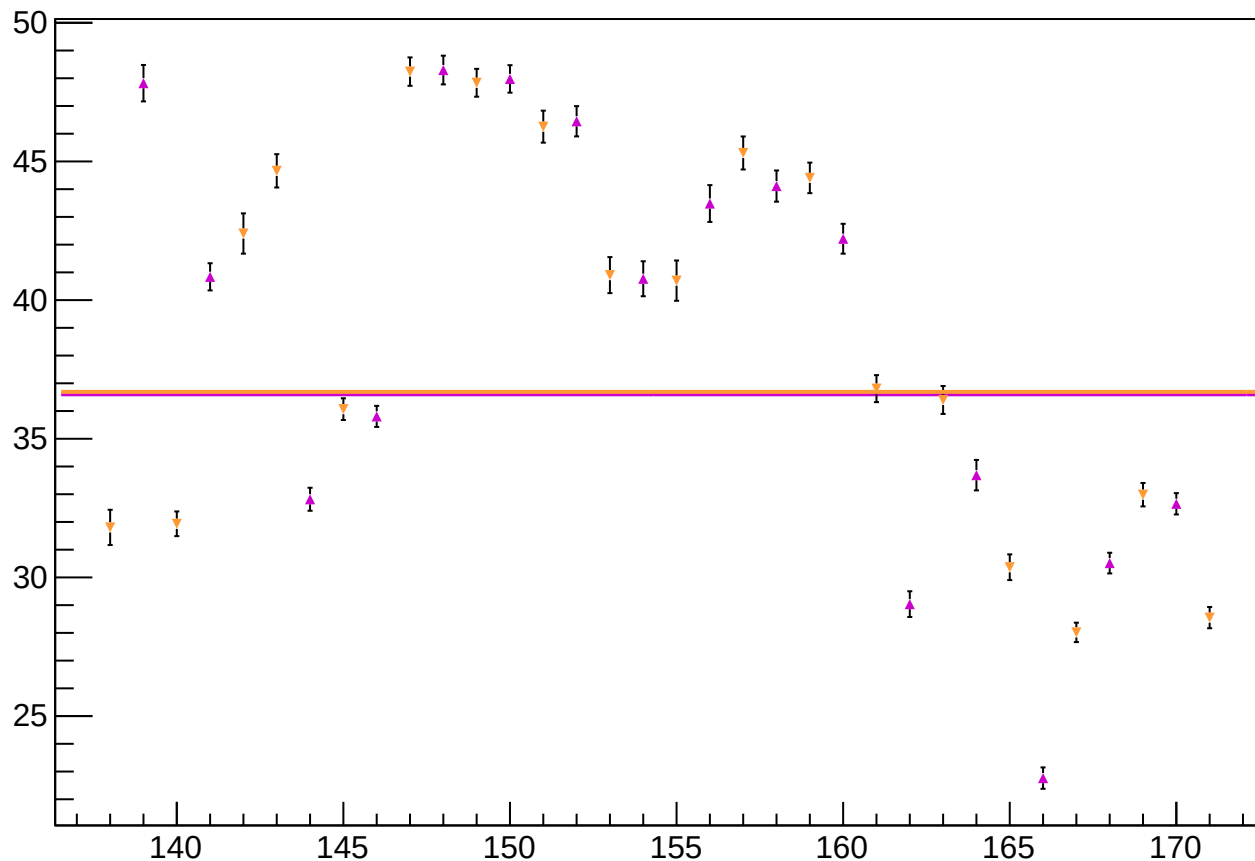
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.574 $\pm$ 0.085 χ^2 /NDF:1414.7/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.519 $\pm$ 0.087 χ^2 /NDF:1499.9/15

Left: 3.547 $\pm$ 0.061 χ^2 /NDF: 2914.7/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.519 $\pm$ 0.087 χ^2 /NDF:1499.9/15
 Out: 3.574 $\pm$ 0.085 χ^2 /NDF:1414.7/17
 All: 3.547 $\pm$ 0.061 χ^2 /NDF: 2914.7/33

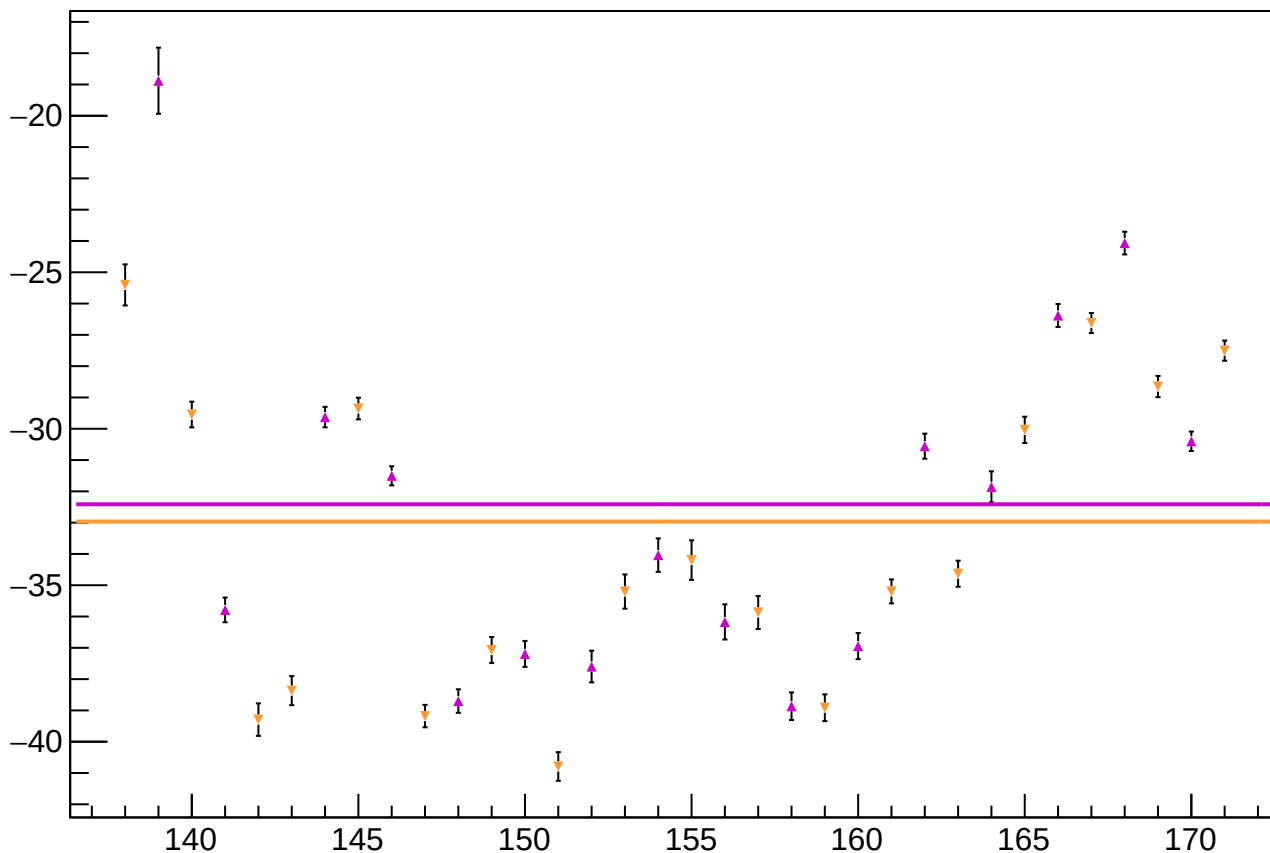
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 36.692 $\pm$ 0.117 χ^2 /NDF:3493.4/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 36.604 $\pm$ 0.119 χ^2 /NDF:4205.9/15

Left: 36.649 $\pm$ 0.083 χ^2 /NDF: 7699.5/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 36.604 $\pm$ 0.119 χ^2 /NDF:4205.9/15
 Out: 36.692 $\pm$ 0.117 χ^2 /NDF:3493.4/17
 All: 36.649 $\pm$ 0.083 χ^2 /NDF: 7699.5/33

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: -32.966+/-0.098 χ^2/NDF :2467.1/17

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

Left In: -32.413+/-0.101 χ^2/NDF :2088.7/15

Left: -32.699+/-0.070 χ^2/NDF : 4571.3/33

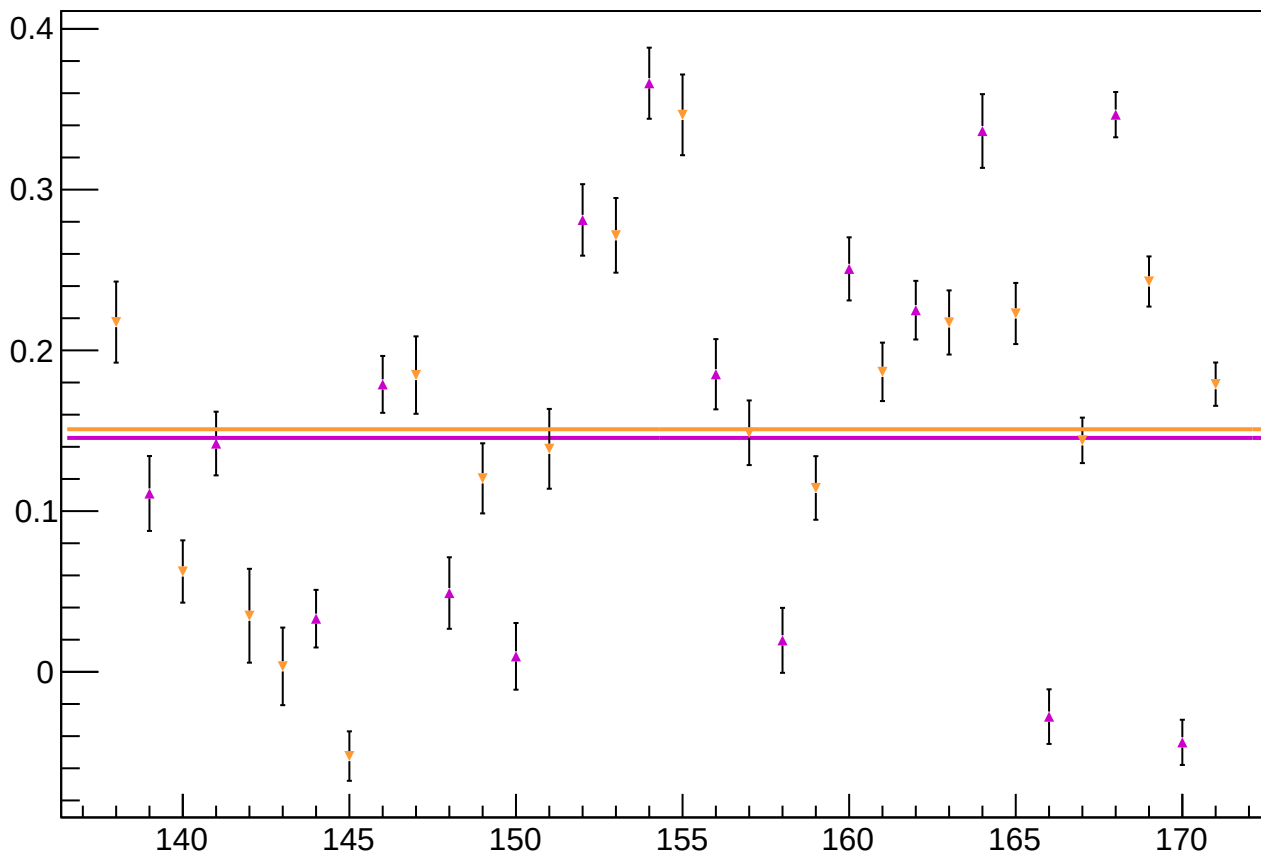
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.413+/-0.101 χ^2/NDF :2088.7/15

Out: -32.966+/-0.098 χ^2/NDF :2467.1/17

All: -32.699+/-0.070 χ^2/NDF : 4571.3/33

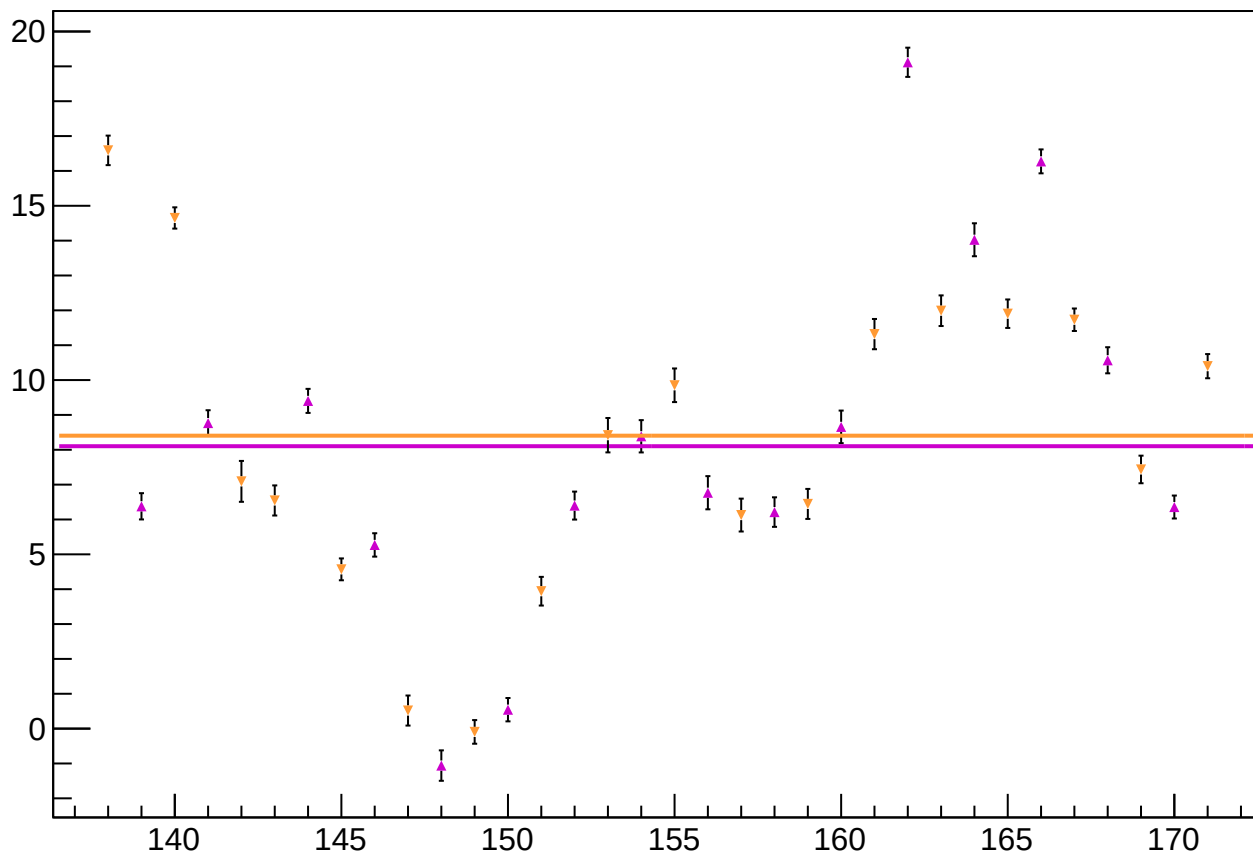
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.151 $\pm$ 0.005 χ^2 /NDF:419.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.146 $\pm$ 0.005 χ^2 /NDF:892.1/15

Left: 0.148 $\pm$ 0.003 χ^2 /NDF: 1312.2/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.146 $\pm$ 0.005 χ^2 /NDF:892.1/15
 Out: 0.151 $\pm$ 0.005 χ^2 /NDF:419.5/17
 All: 0.148 $\pm$ 0.003 χ^2 /NDF: 1312.2/33

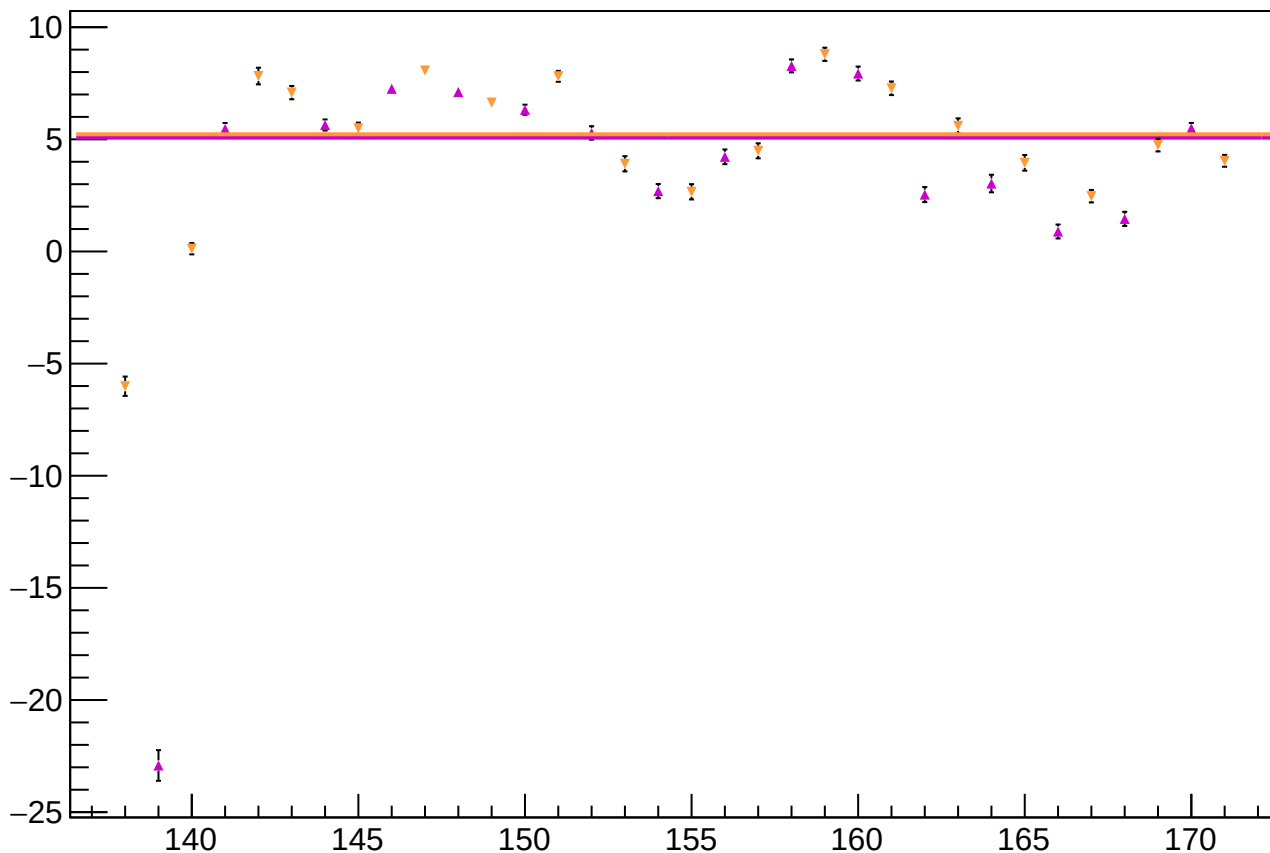
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.404+/-0.094 χ^2/NDF :2428.5/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.102+/-0.097 χ^2/NDF :2591.3/15

Left: 8.258+/-0.067 χ^2/NDF : 5024.8/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.102+/-0.097 χ^2/NDF :2591.3/15
 Out: 8.404+/-0.094 χ^2/NDF :2428.5/17
 All: 8.258+/-0.067 χ^2/NDF : 5024.8/33

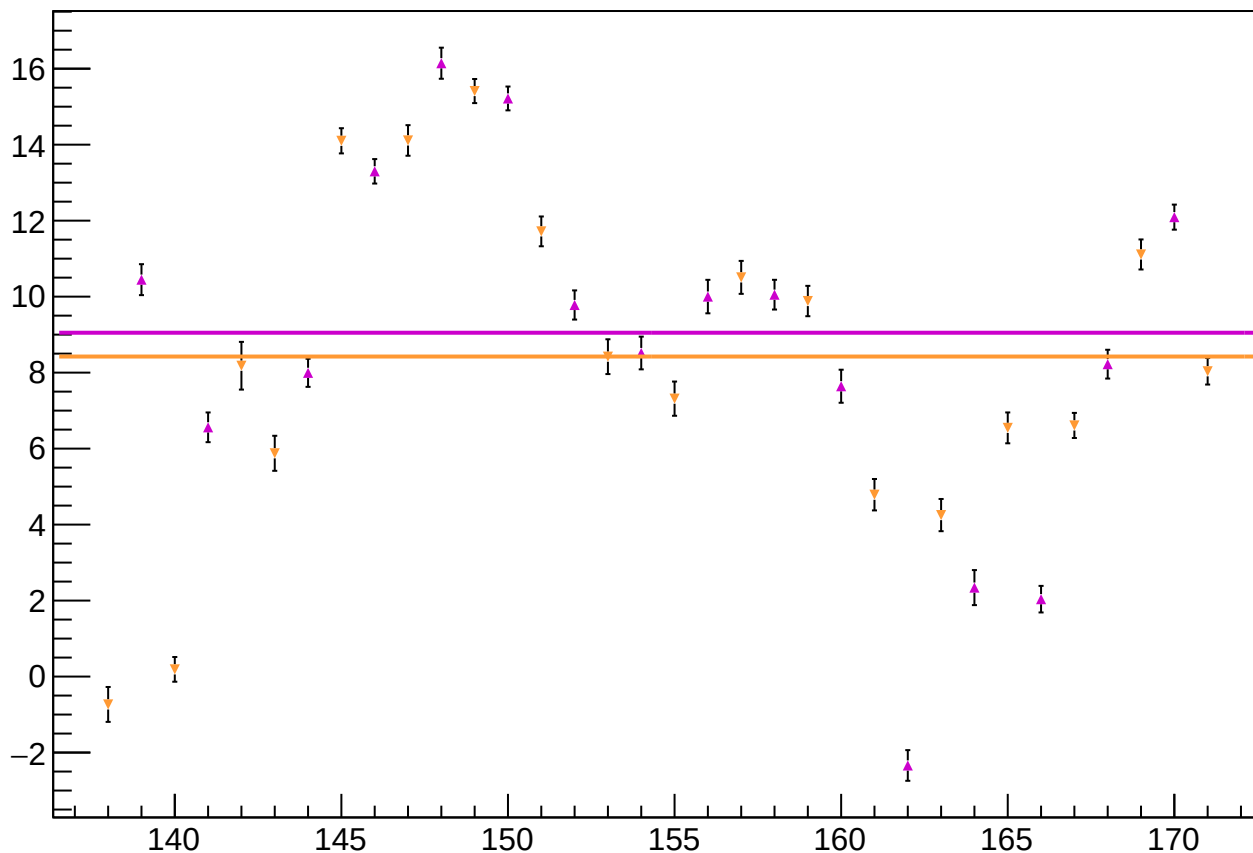
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.226 $\pm$ 0.067 χ^2 /NDF:1919.8/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.075 $\pm$ 0.071 χ^2 /NDF:2572.0/15

Left: 5.154 $\pm$ 0.049 χ^2 /NDF: 4494.2/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.075 $\pm$ 0.071 χ^2 /NDF:2572.0/15
 Out: 5.226 $\pm$ 0.067 χ^2 /NDF:1919.8/17
 All: 5.154 $\pm$ 0.049 χ^2 /NDF: 4494.2/33

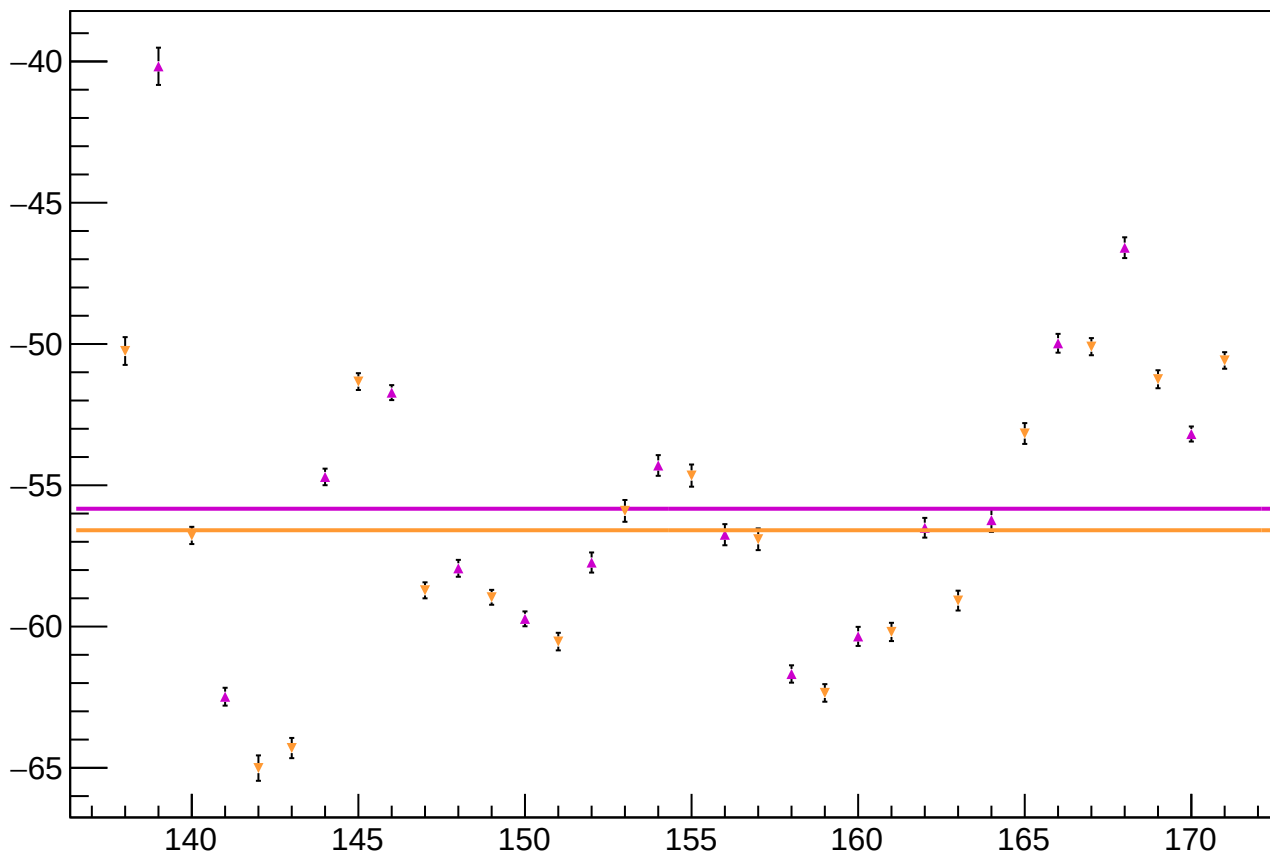
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.424+/-0.093 χ^2/NDF :2433.0/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.050+/-0.095 χ^2/NDF :2448.3/15

Left: 8.729+/-0.067 χ^2/NDF : 4903.4/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.050+/-0.095 χ^2/NDF :2448.3/15
 Out: 8.424+/-0.093 χ^2/NDF :2433.0/17
 All: 8.729+/-0.067 χ^2/NDF : 4903.4/33

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: -56.591 ± 0.078 χ^2/NDF : 3384.9/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -55.830 ± 0.082 χ^2/NDF : 3169.0/15

Left: -56.227 ± 0.056 χ^2/NDF : 6599.3/33

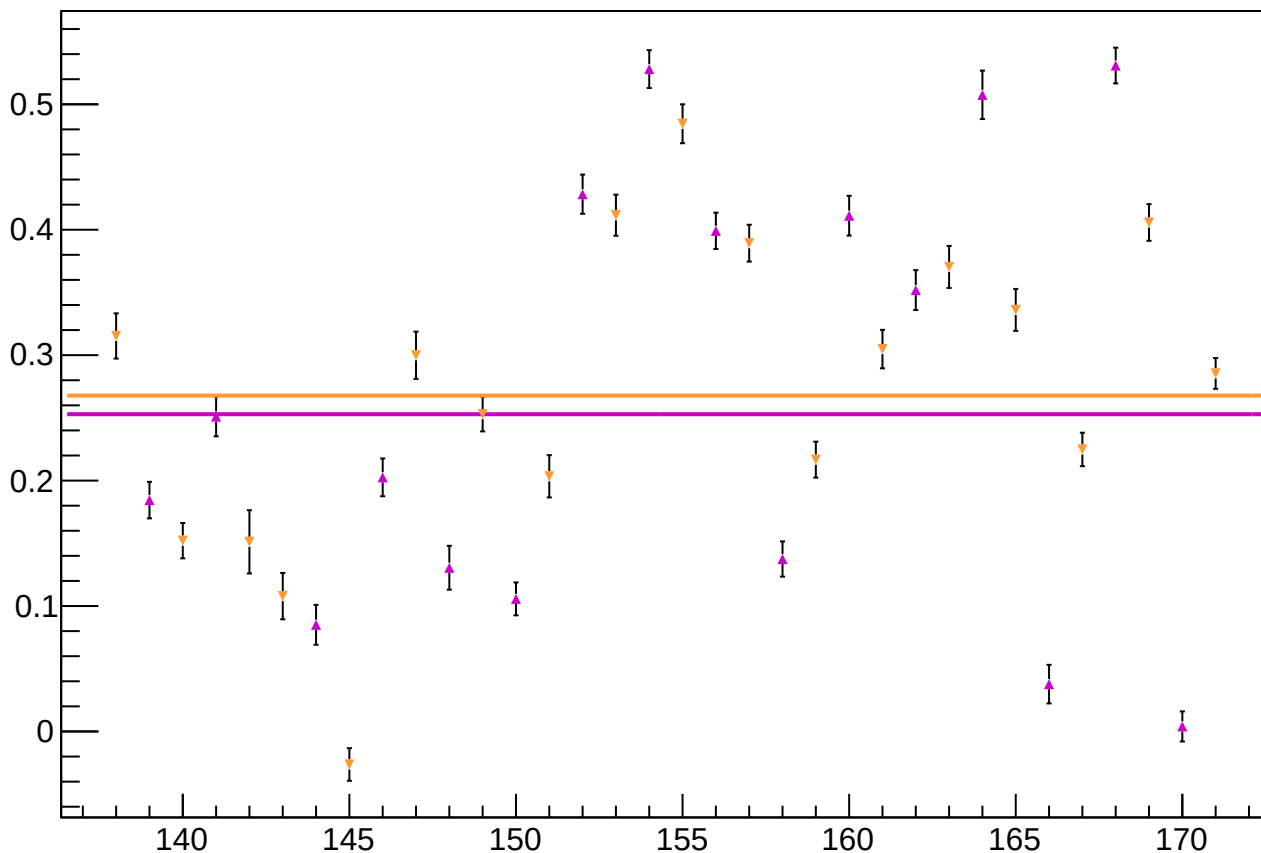
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -55.830 ± 0.082 χ^2/NDF : 3169.0/15

Out: -56.591 ± 0.078 χ^2/NDF : 3384.9/17

All: -56.227 ± 0.056 χ^2/NDF : 6599.3/33

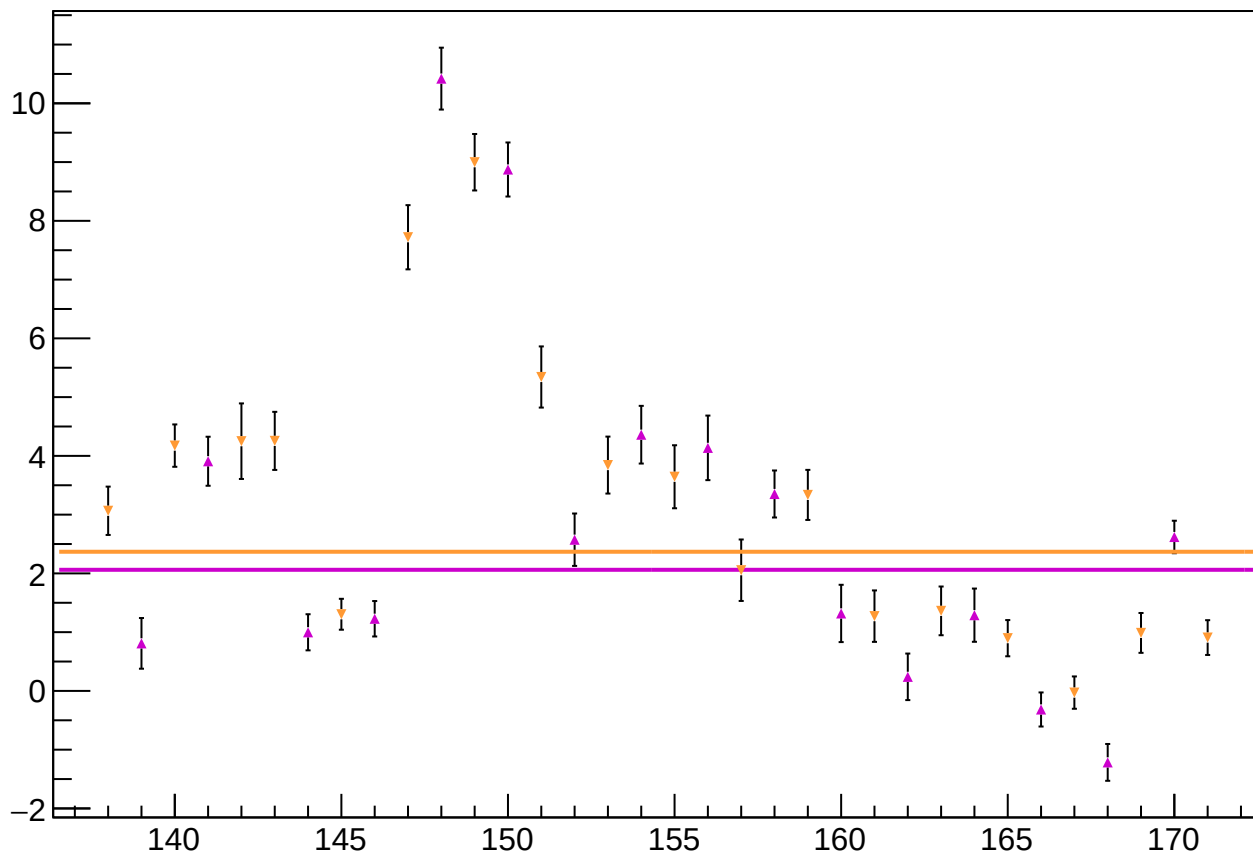
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.268+/-0.004 χ^2/NDF :1215.5/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.253+/-0.004 χ^2/NDF :2266.6/15

Left: 0.261+/-0.003 χ^2/NDF : 3490.2/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.253+/-0.004 χ^2/NDF :2266.6/15
 Out: 0.268+/-0.004 χ^2/NDF :1215.5/17
 All: 0.261+/-0.003 χ^2/NDF : 3490.2/33

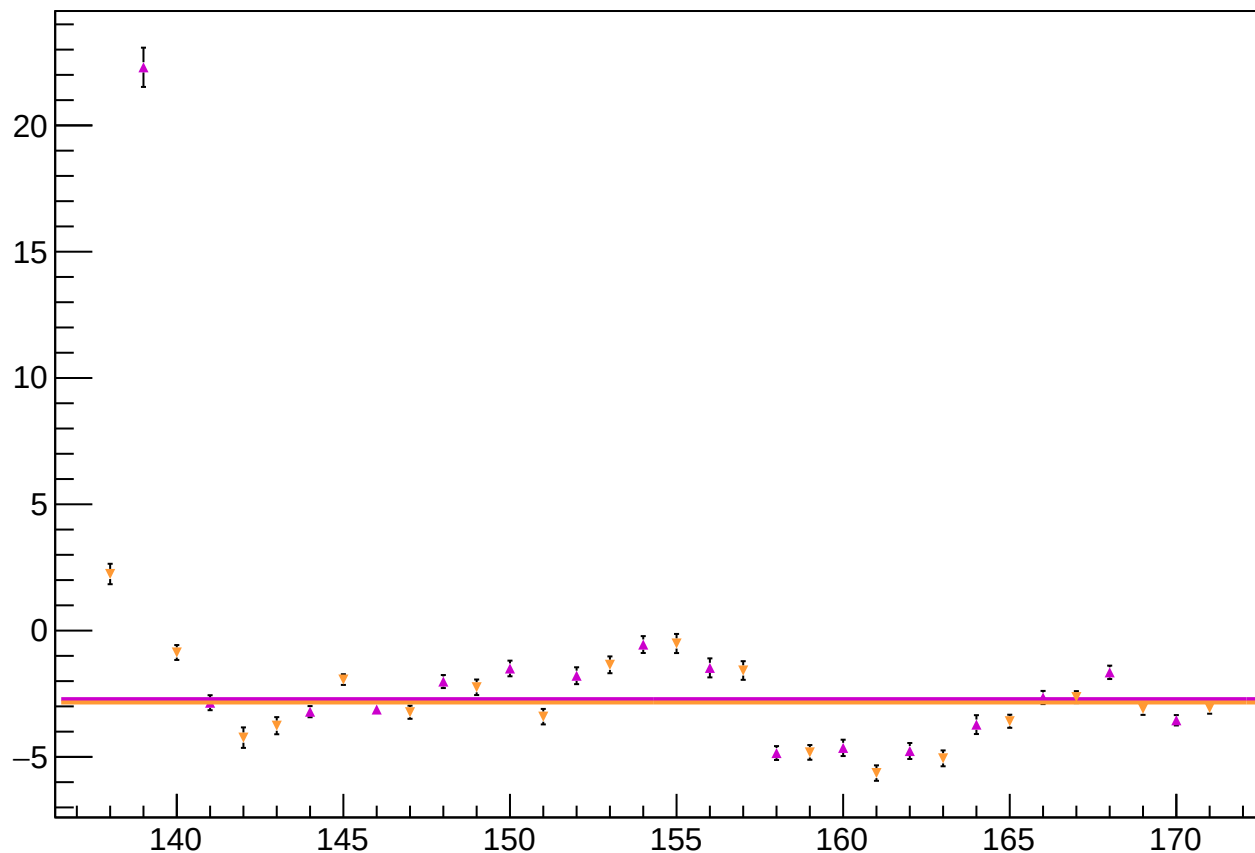
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.368 $\pm$ 0.092 χ^2 /NDF:558.6/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.061 $\pm$ 0.095 χ^2 /NDF:773.9/15

Left: 2.220 $\pm$ 0.066 χ^2 /NDF: 1337.9/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.061 $\pm$ 0.095 χ^2 /NDF:773.9/15
 Out: 2.368 $\pm$ 0.092 χ^2 /NDF:558.6/17
 All: 2.220 $\pm$ 0.066 χ^2 /NDF: 1337.9/33

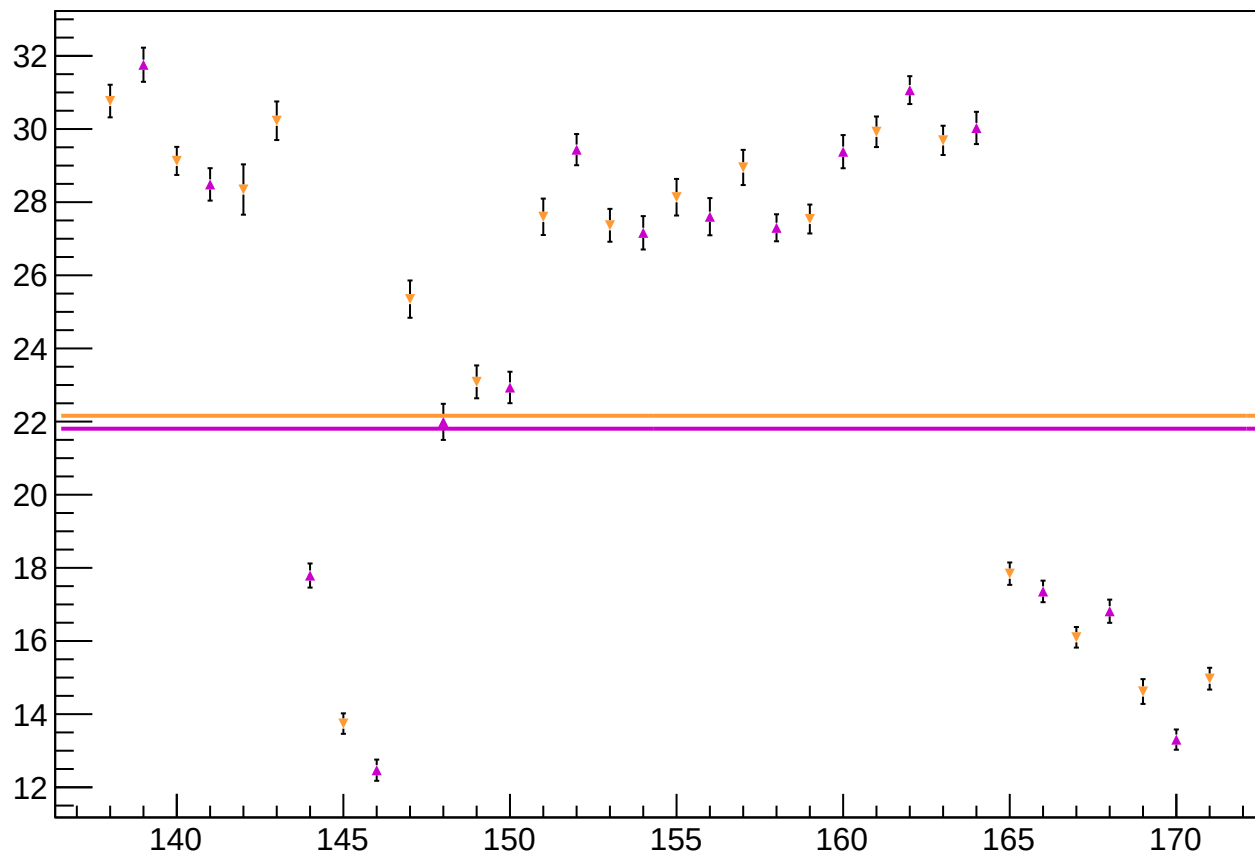
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.846 $\pm$ 0.068 χ^2 /NDF:510.3/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.713 $\pm$ 0.070 χ^2 /NDF:1306.8/15

Left: -2.781 $\pm$ 0.049 χ^2 /NDF: 1818.9/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -2.713 $\pm$ 0.070 χ^2 /NDF:1306.8/15
 Out: -2.846 $\pm$ 0.068 χ^2 /NDF:510.3/17
 All: -2.781 $\pm$ 0.049 χ^2 /NDF: 1818.9/33

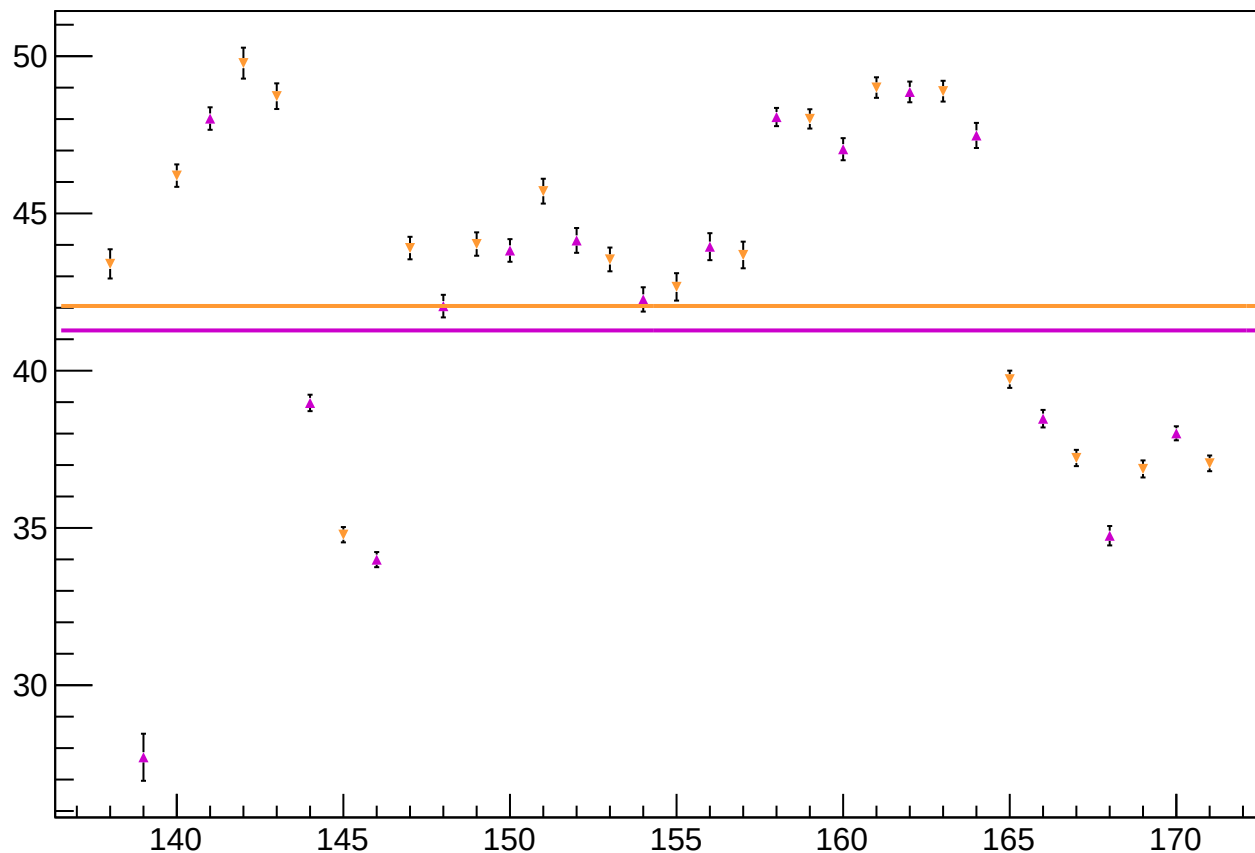
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 22.160+/-0.092 χ^2/NDF :5181.6/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 21.805+/-0.094 χ^2/NDF :5316.1/15

Left: 21.986+/-0.066 χ^2/NDF : 10505.0/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 21.805+/-0.094 χ^2/NDF :5316.1/15
 Out: 22.160+/-0.092 χ^2/NDF :5181.6/17
 All: 21.986+/-0.066 χ^2/NDF : 10505.0/33

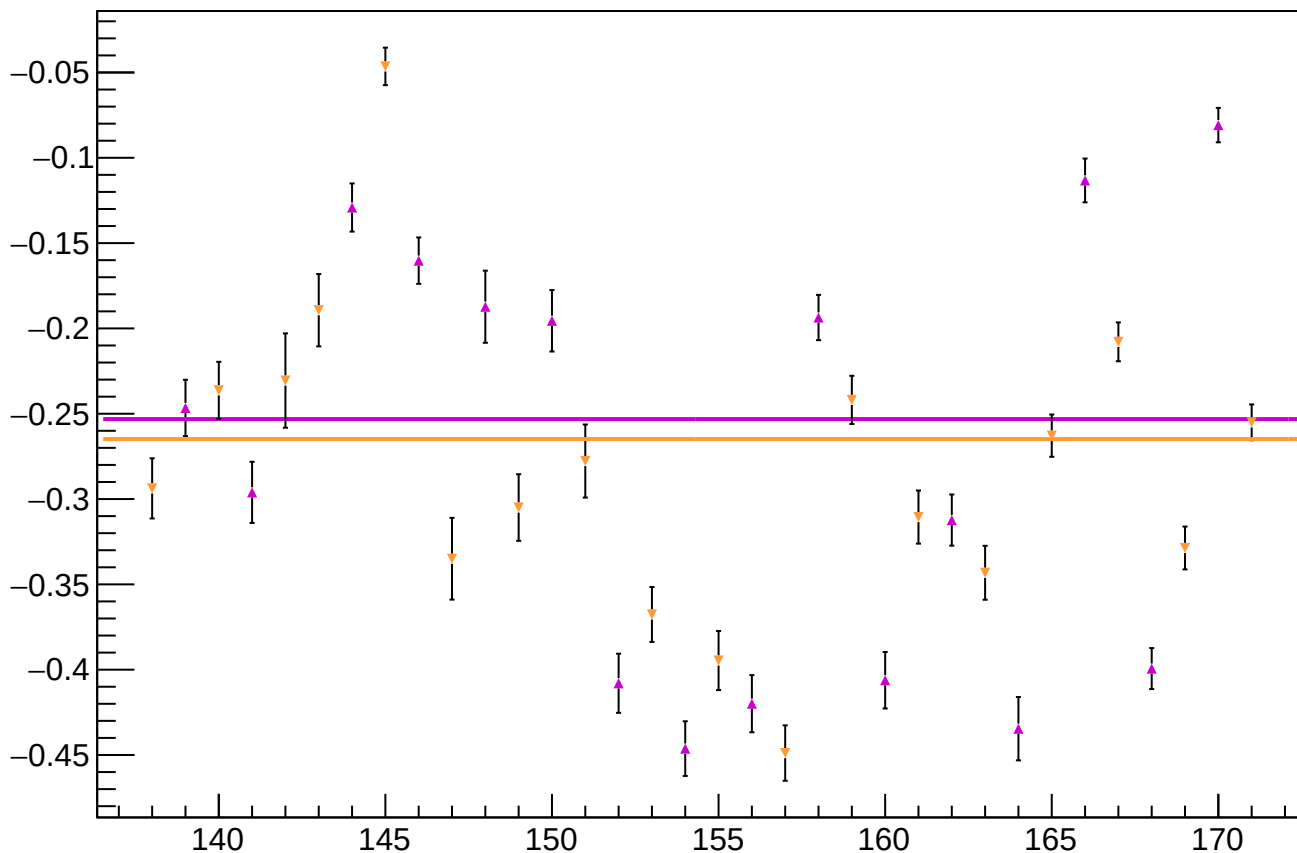
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 42.057 $\pm$ 0.078 χ^2 /NDF:4159.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 41.280 $\pm$ 0.080 χ^2 /NDF:4185.4/15

Left: 41.682 $\pm$ 0.056 χ^2 /NDF: 8393.2/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 41.280 $\pm$ 0.080 χ^2 /NDF:4185.4/15
 Out: 42.057 $\pm$ 0.078 χ^2 /NDF:4159.5/17
 All: 41.682 $\pm$ 0.056 χ^2 /NDF: 8393.2/33

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.265 $\pm$ 0.004 χ^2 /NDF:741.2/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.253 $\pm$ 0.004 χ^2 /NDF:1249.9/15

Left: -0.259 $\pm$ 0.003 χ^2 /NDF: 1996.4/33

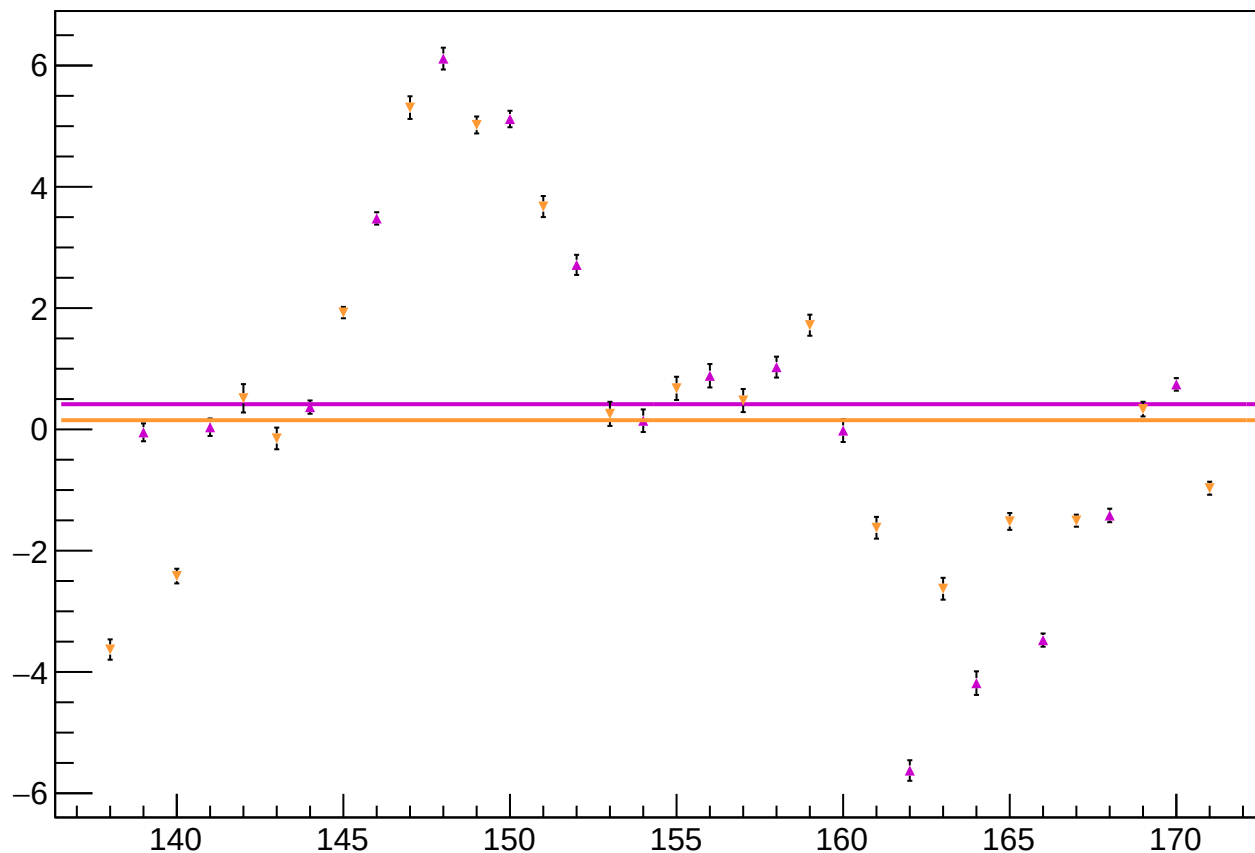
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.253 $\pm$ 0.004 χ^2 /NDF:1249.9/15

Out: -0.265 $\pm$ 0.004 χ^2 /NDF:741.2/17

All: -0.259 $\pm$ 0.003 χ^2 /NDF: 1996.4/33

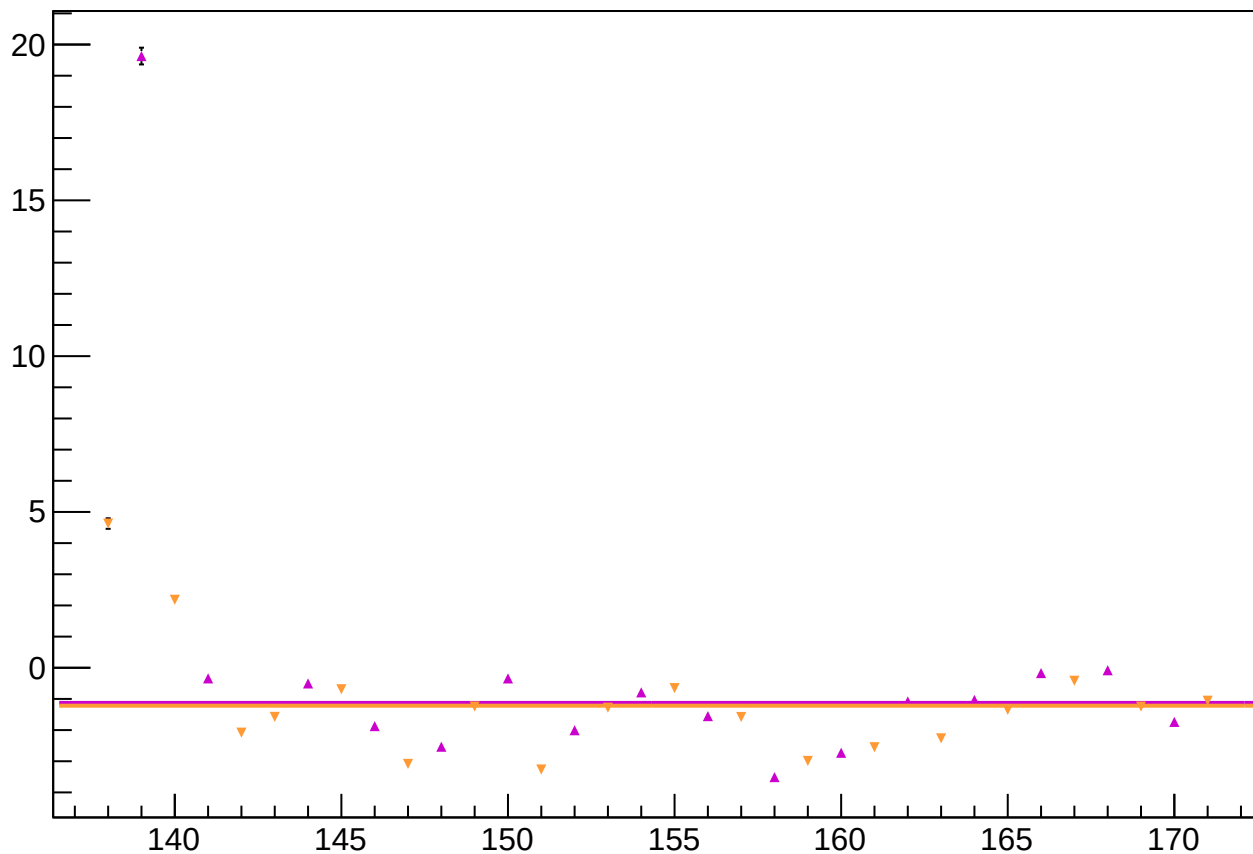
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.152+/-0.034 χ^2/NDF :4666.2/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.415+/-0.035 χ^2/NDF :6712.7/15

Left: 0.281+/-0.024 χ^2/NDF : 11408.4/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.415+/-0.035 χ^2/NDF :6712.7/15
 Out: 0.152+/-0.034 χ^2/NDF :4666.2/17
 All: 0.281+/-0.024 χ^2/NDF : 11408.4/33

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



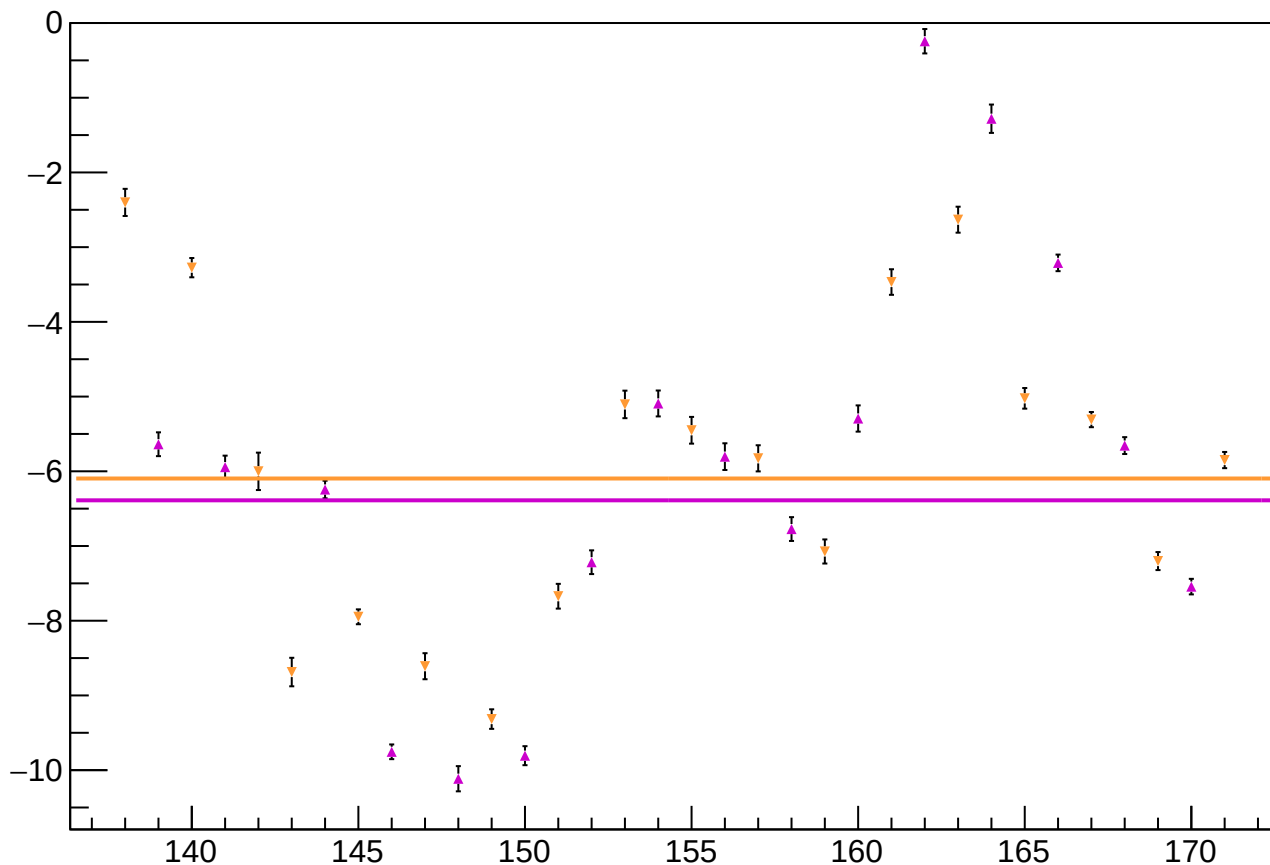
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.217+/-0.025 χ^2/NDF :3779.7/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.128+/-0.026 χ^2/NDF :7436.9/15

Left: -1.173+/-0.018 χ^2/NDF : 11222.8/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.128+/-0.026 χ^2/NDF :7436.9/15
 Out: -1.217+/-0.025 χ^2/NDF :3779.7/17

All: -1.173+/-0.018 χ^2/NDF : 11222.8/33

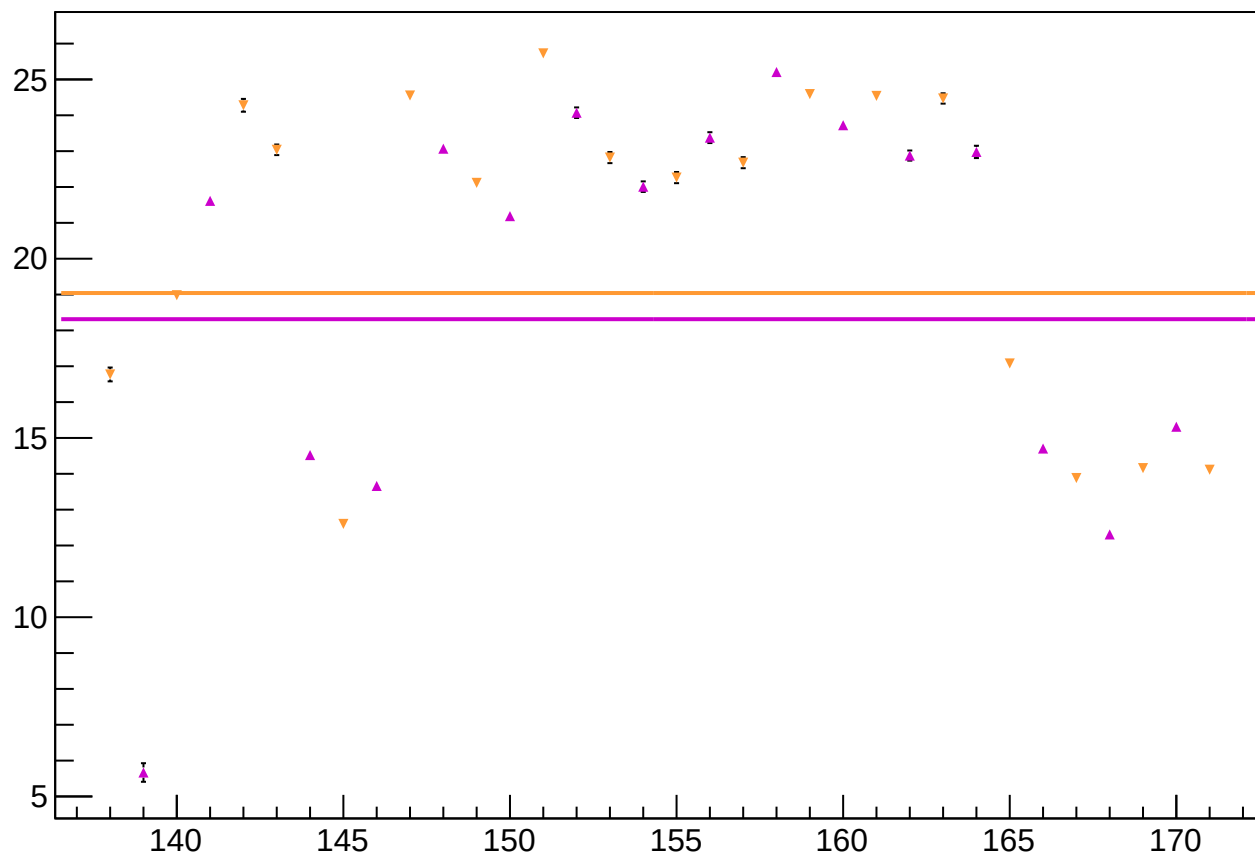
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -6.096 ± 0.034 χ^2/NDF : 3249.1/17
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -6.389 ± 0.034 χ^2/NDF : 5675.4/15

Left: -6.241 ± 0.024 χ^2/NDF : 8961.0/33
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -6.389 ± 0.034 χ^2/NDF : 5675.4/15
 Out: -6.096 ± 0.034 χ^2/NDF : 3249.1/17
 All: -6.241 ± 0.024 χ^2/NDF : 8961.0/33

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 19.043 $\pm$ 0.029 χ^2 /NDF:27861.2/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 18.313 $\pm$ 0.030 χ^2 /NDF:25262.2/15

Left: 18.687 $\pm$ 0.021 χ^2 /NDF: 53436.9/33

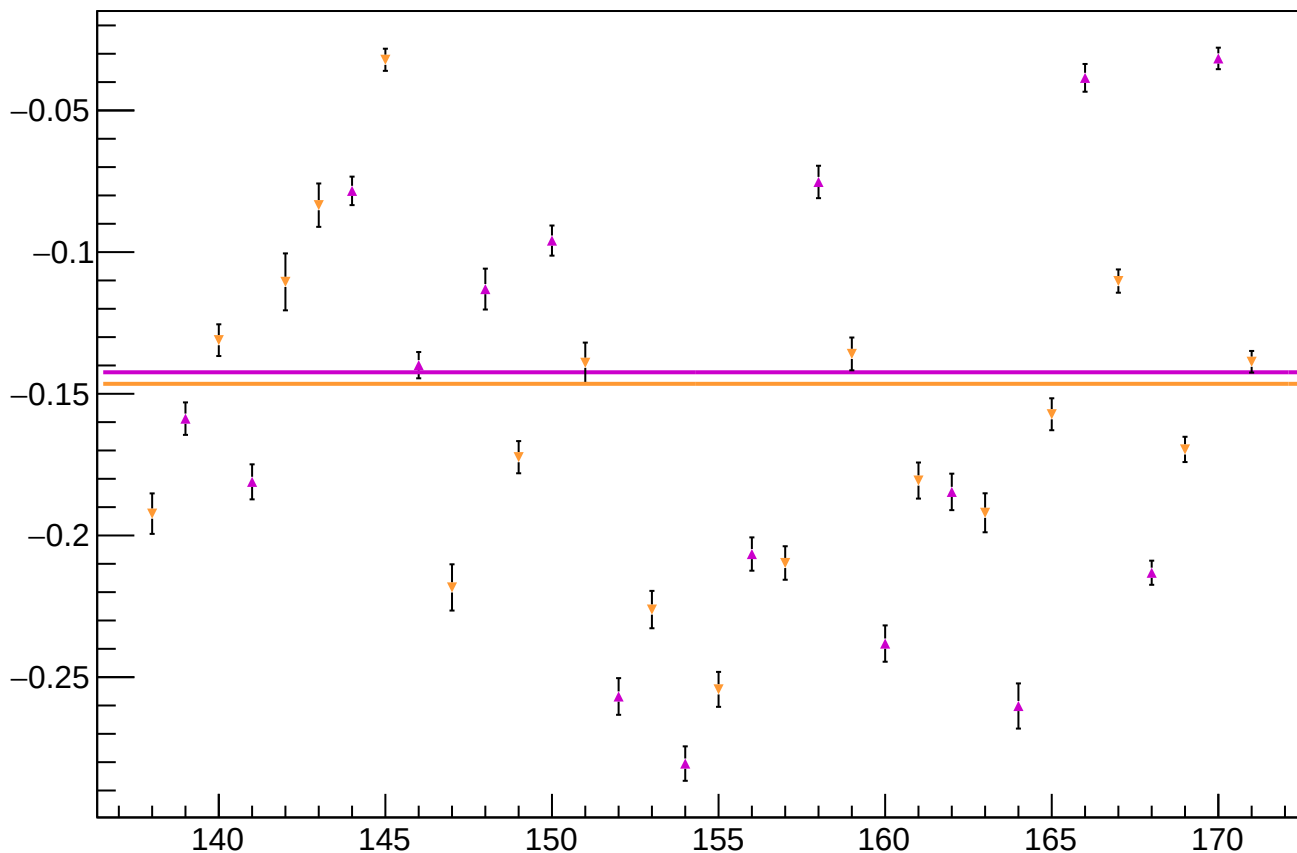
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 18.313 $\pm$ 0.030 χ^2 /NDF:25262.2/15

Out: 19.043 $\pm$ 0.029 χ^2 /NDF:27861.2/17

All: 18.687 $\pm$ 0.021 χ^2 /NDF: 53436.9/33

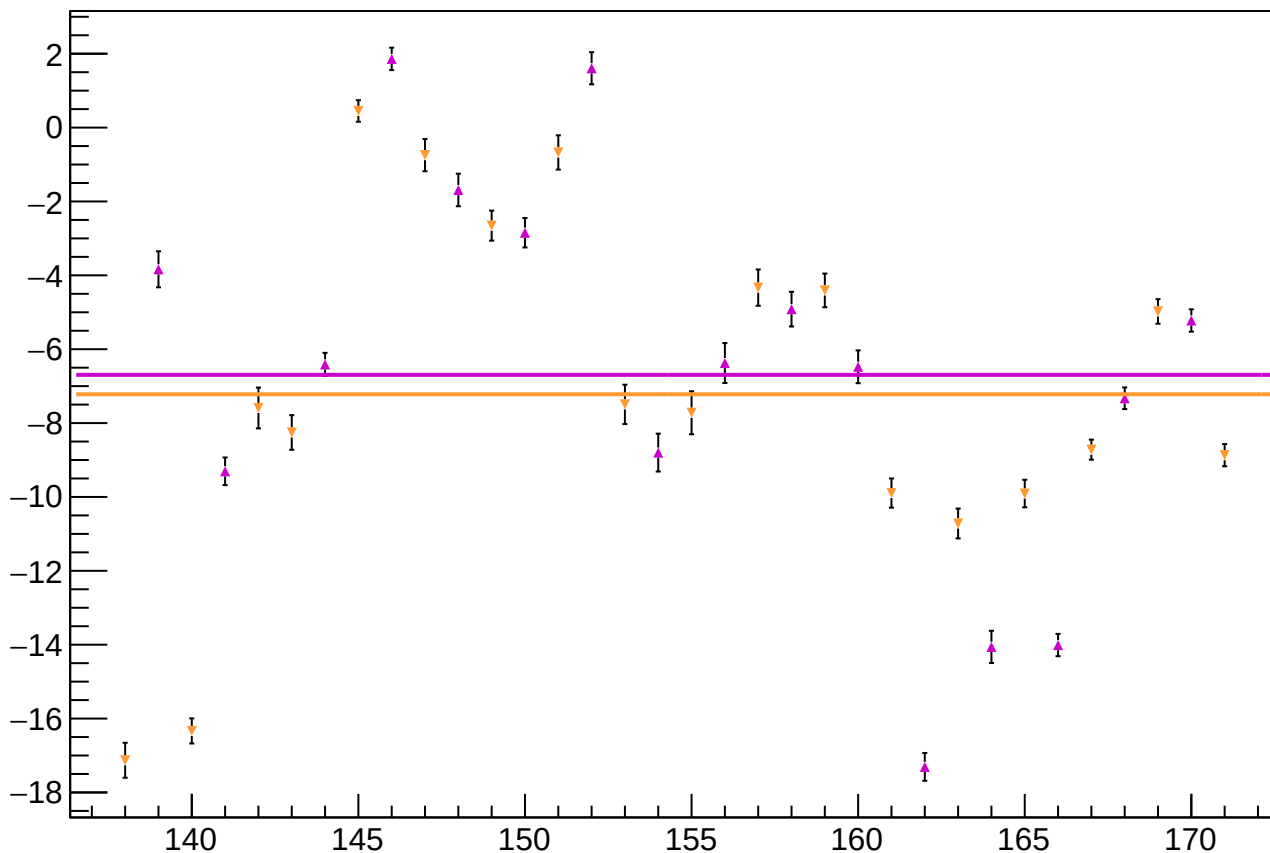
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.146+/-0.001 χ^2/NDF :1839.4/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.142+/-0.001 χ^2/NDF :3450.6/15

Left: -0.145+/-0.001 χ^2/NDF : 5294.6/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.142+/-0.001 χ^2/NDF :3450.6/15
 Out: -0.146+/-0.001 χ^2/NDF :1839.4/17
 All: -0.145+/-0.001 χ^2/NDF : 5294.6/33

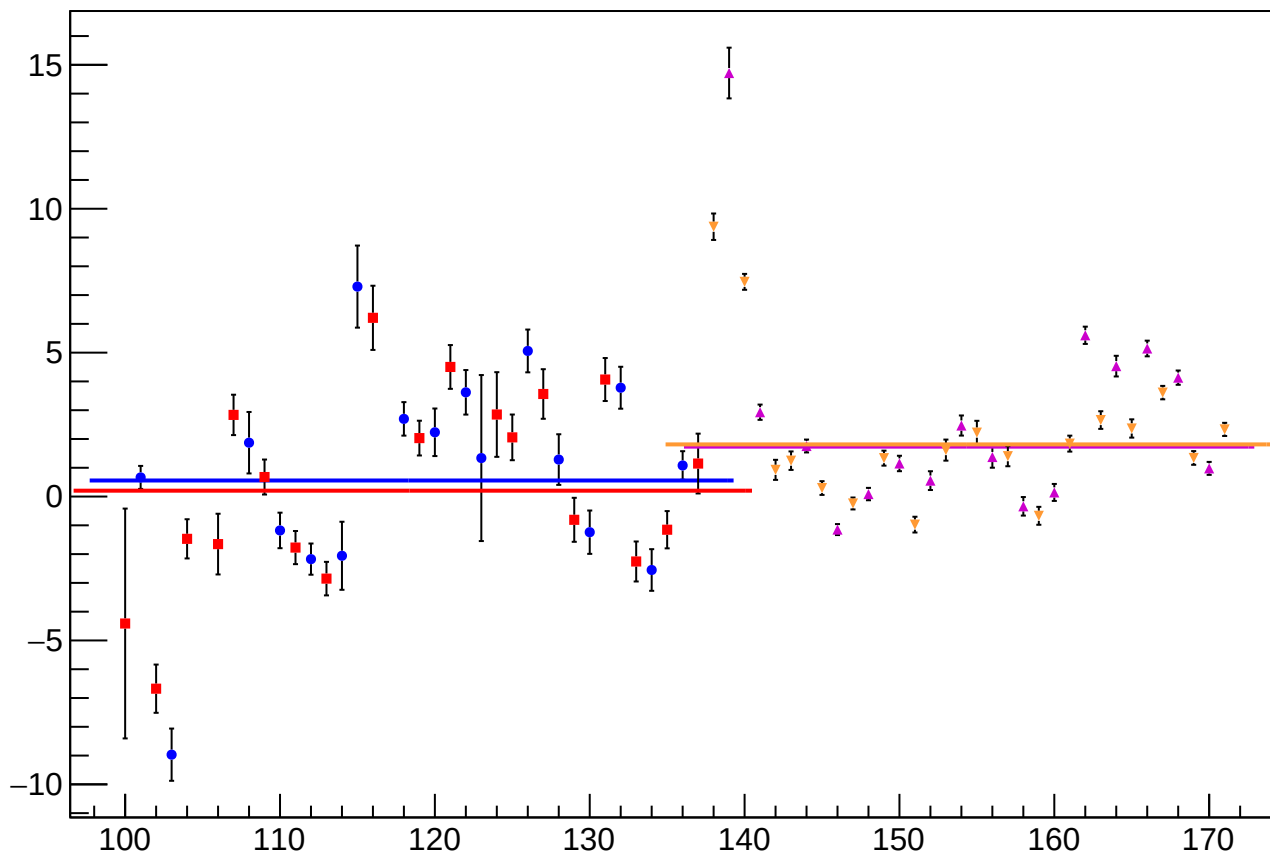
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.220+/-0.092 χ^2/NDF :2750.1/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.694+/-0.095 χ^2/NDF :3193.7/15

Left: -6.963+/-0.066 χ^2/NDF : 5959.6/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.694+/-0.095 χ^2/NDF :3193.7/15
 Out: -7.220+/-0.092 χ^2/NDF :2750.1/17
 All: -6.963+/-0.066 χ^2/NDF : 5959.6/33

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: 1.812 ± 0.067 χ^2/NDF : 1089.3/17

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

Left In: 1.735 ± 0.069 χ^2/NDF : 1105.5/15

Left: 1.774 ± 0.048 χ^2/NDF : 2195.5/33

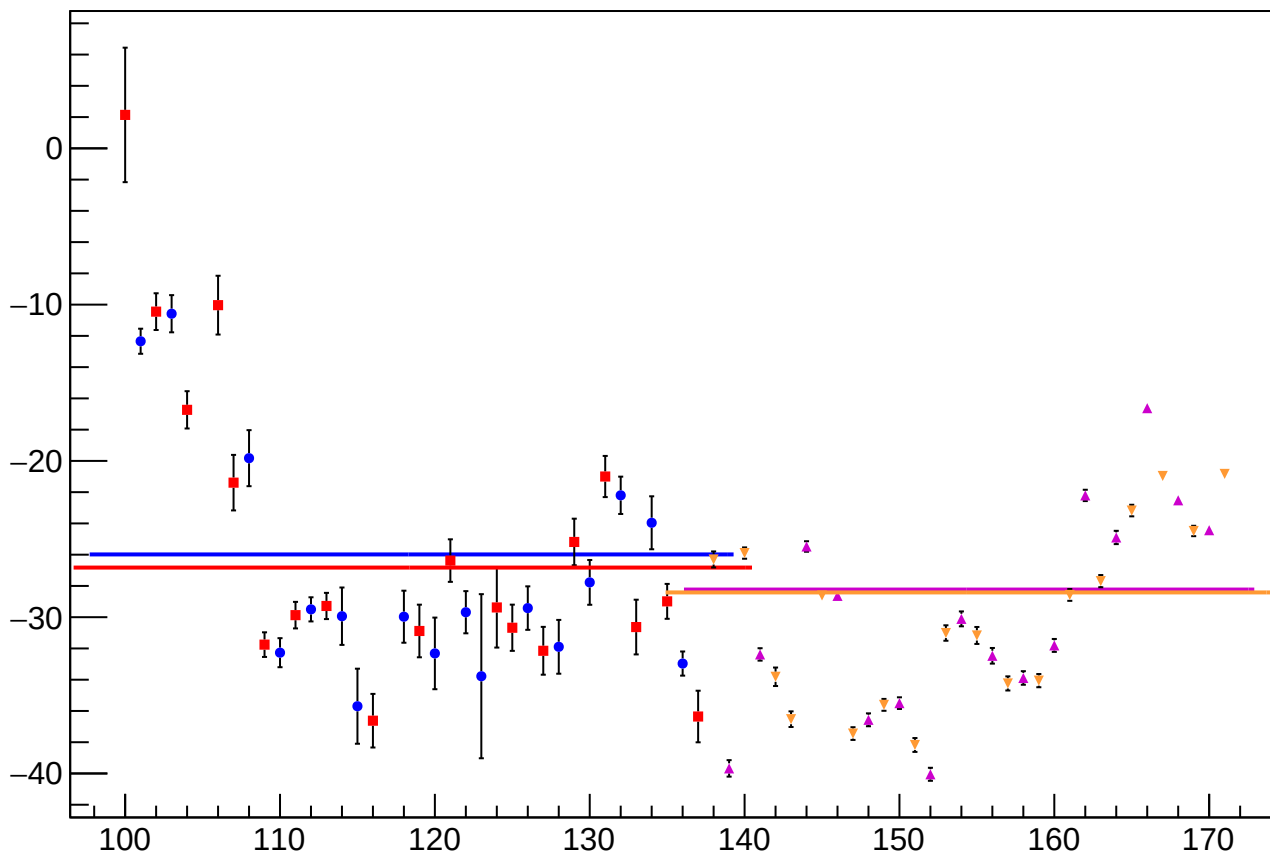
Right: 0.386 ± 0.122 χ^2/NDF : 562.1/35

In: 1.570 ± 0.064 χ^2/NDF : 1434.6/32

Out: 1.607 ± 0.062 χ^2/NDF : 1435.4/36

All: 1.589 ± 0.044 χ^2/NDF : 2870.1/69

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: -28.415 ± 0.092 χ^2/NDF : 3832.9/17

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

Left In: -28.232 ± 0.093 χ^2/NDF : 4866.6/15

Left: -28.325 ± 0.065 χ^2/NDF : 8701.6/33

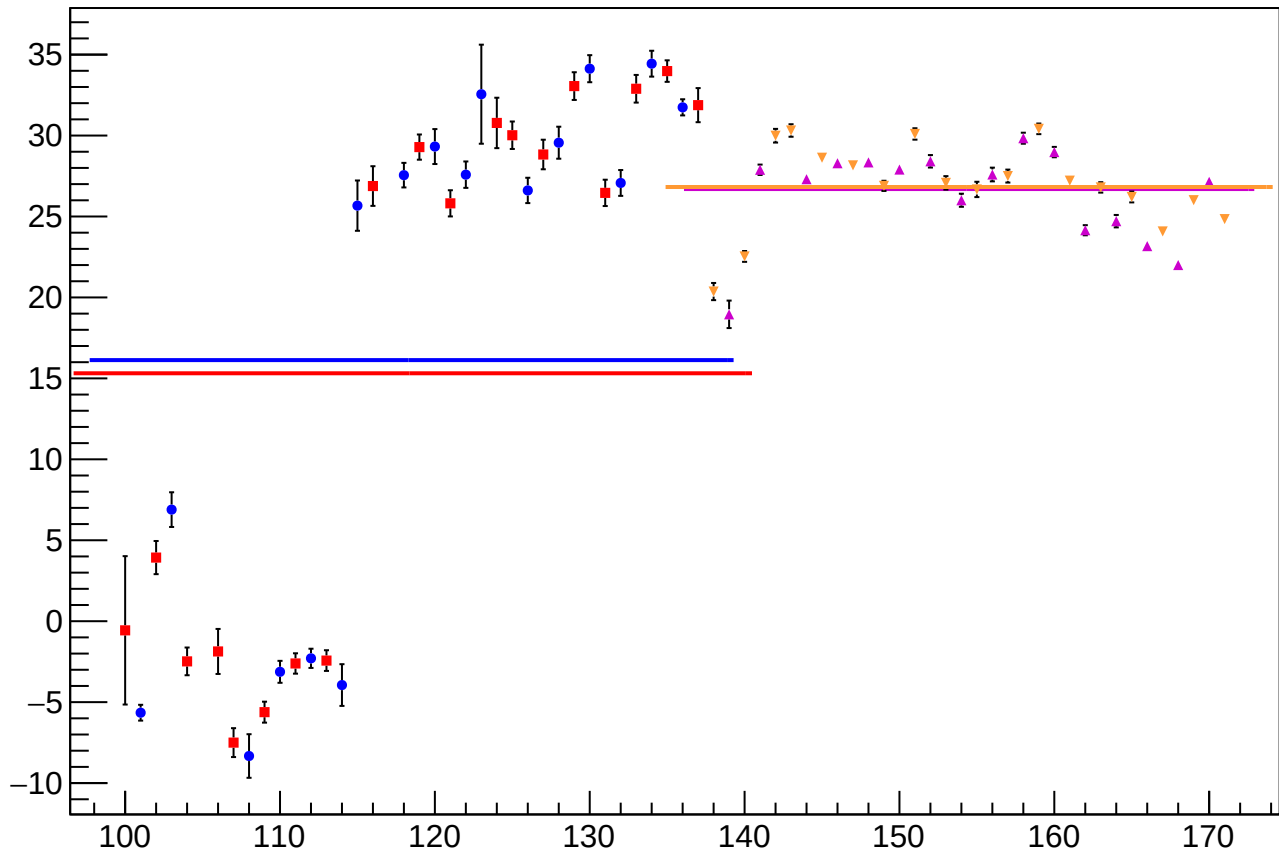
Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35

In: -28.034 ± 0.089 χ^2/NDF : 5609.2/32

Out: -28.277 ± 0.088 χ^2/NDF : 4440.6/36

All: -28.157 ± 0.063 χ^2/NDF : 10053.6/69

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: 26.821 $\pm$ 0.077 χ^2 /NDF: 917.0/17

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

Left In: 26.696 $\pm$ 0.079 χ^2 /NDF: 862.0/15

Left: 26.760 $\pm$ 0.055 χ^2 /NDF: 1780.2/33

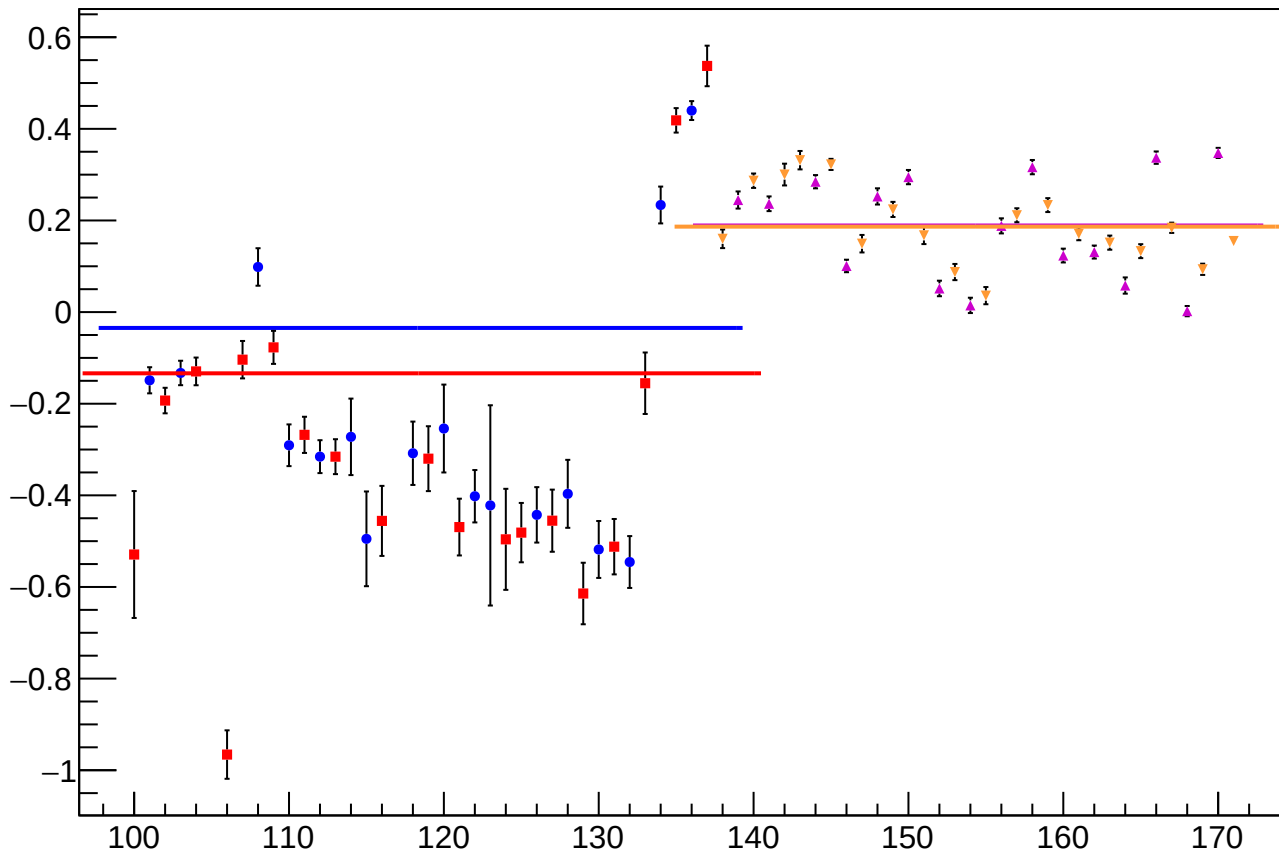
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 25.153 $\pm$ 0.073 χ^2 /NDF: 11019.6/32

Out: 25.299 $\pm$ 0.072 χ^2 /NDF: 11154.7/36

All: 25.228 $\pm$ 0.051 χ^2 /NDF: 22176.4/69

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: 0.187 ± 0.004 χ^2/NDF : 445.4/17

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

Left In: 0.189 ± 0.004 χ^2/NDF : 1096.2/15

Left: 0.188 ± 0.003 χ^2/NDF : 1541.7/33

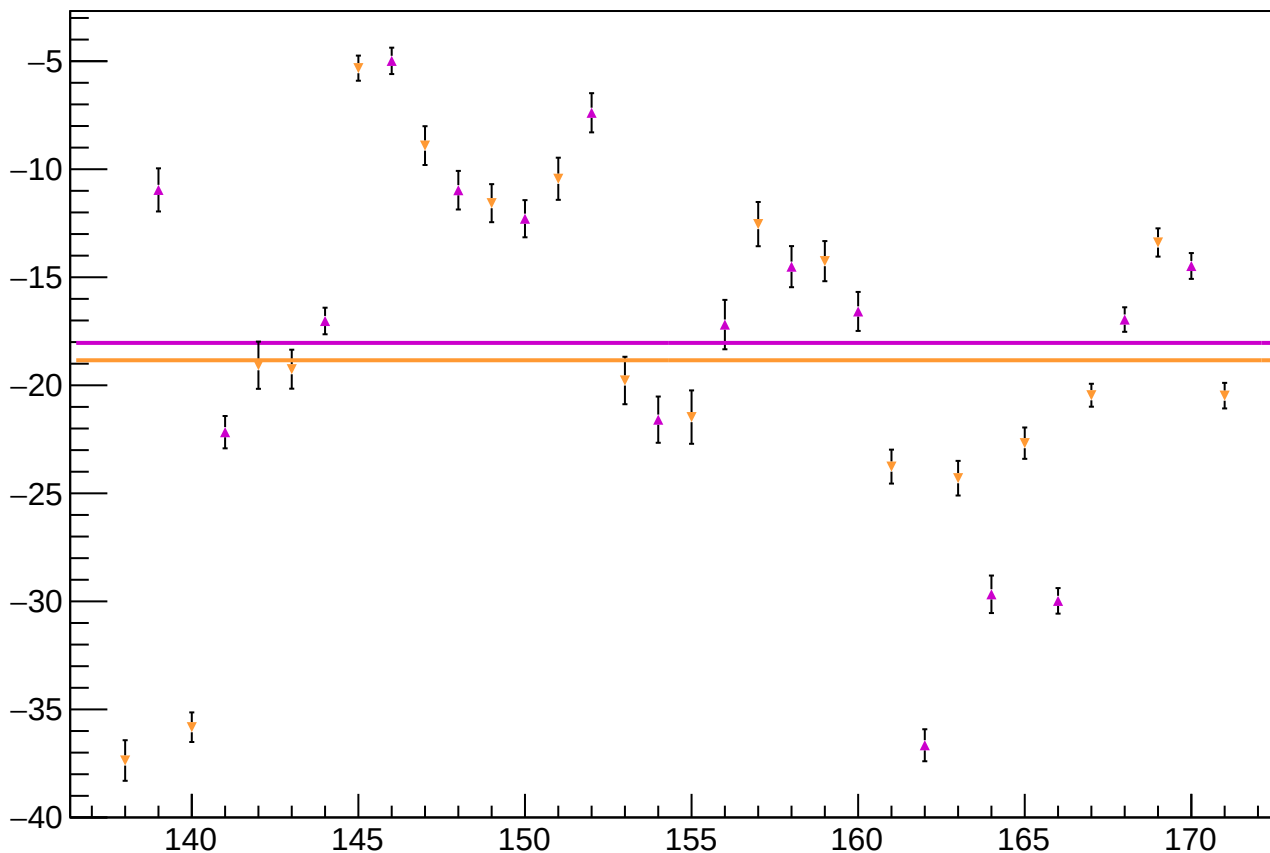
Right: -0.084 ± 0.007 χ^2/NDF : 2219.2/35

In: 0.164 ± 0.003 χ^2/NDF : 2523.0/32

Out: 0.153 ± 0.003 χ^2/NDF : 2458.6/36

All: 0.158 ± 0.002 χ^2/NDF : 4986.8/69

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: -18.842 ± 0.185 χ^2/NDF : $2076.9/17$

Right Out: 0.000 ± 0.000 χ^2/NDF : $0.0/0$

Left In: -18.038 ± 0.190 χ^2/NDF : $2072.1/15$

Left: -18.450 ± 0.132 χ^2/NDF : $4158.2/33$

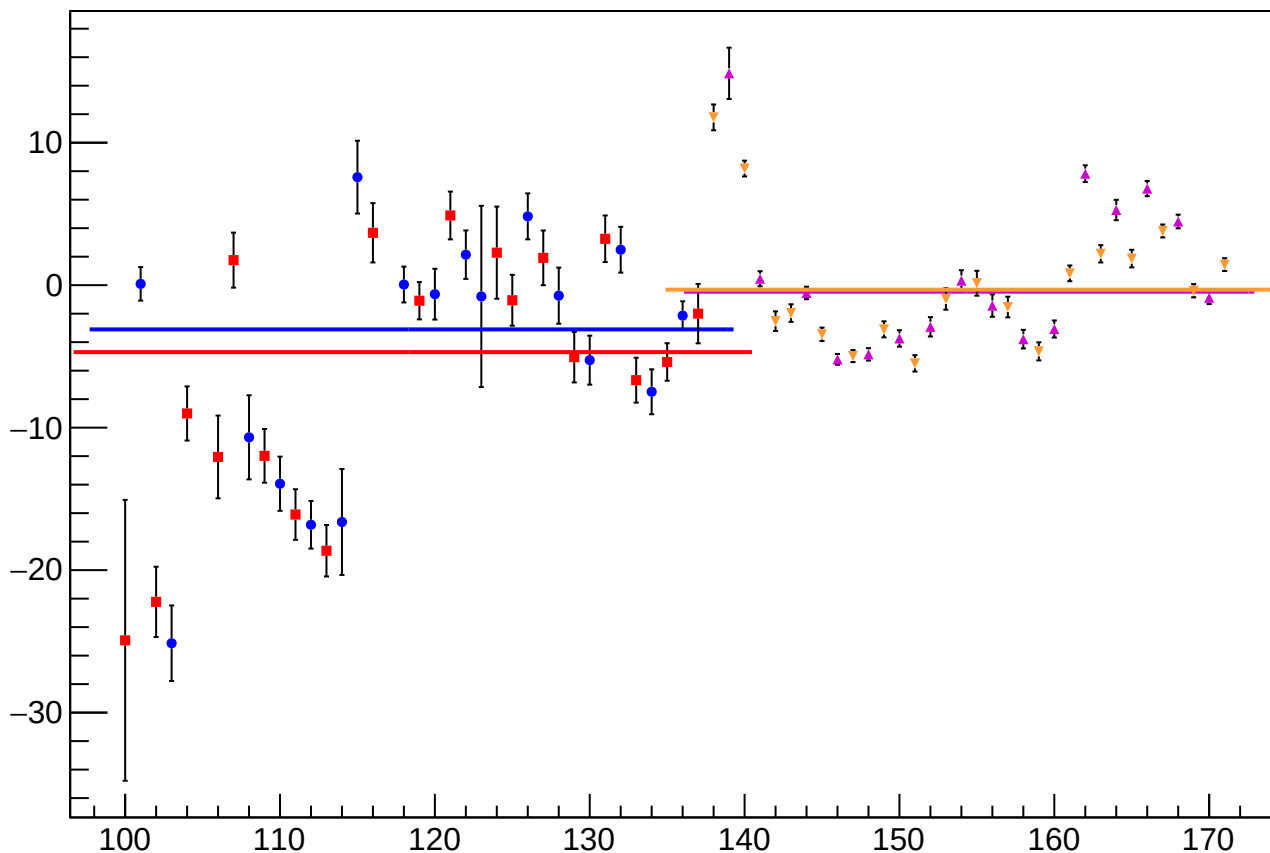
Right: 0.000 ± 0.000 χ^2/NDF : $0.0/0$

In: -18.038 ± 0.190 χ^2/NDF : $2072.1/15$

Out: -18.842 ± 0.185 χ^2/NDF : $2076.9/17$

All: -18.450 ± 0.132 χ^2/NDF : $4158.2/33$

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: -0.316 ± 0.134 χ^2/NDF : 880.5/17

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

Left In: -0.456 ± 0.137 χ^2/NDF : 980.4/15

Left: -0.384 ± 0.096 χ^2/NDF : 1861.5/33

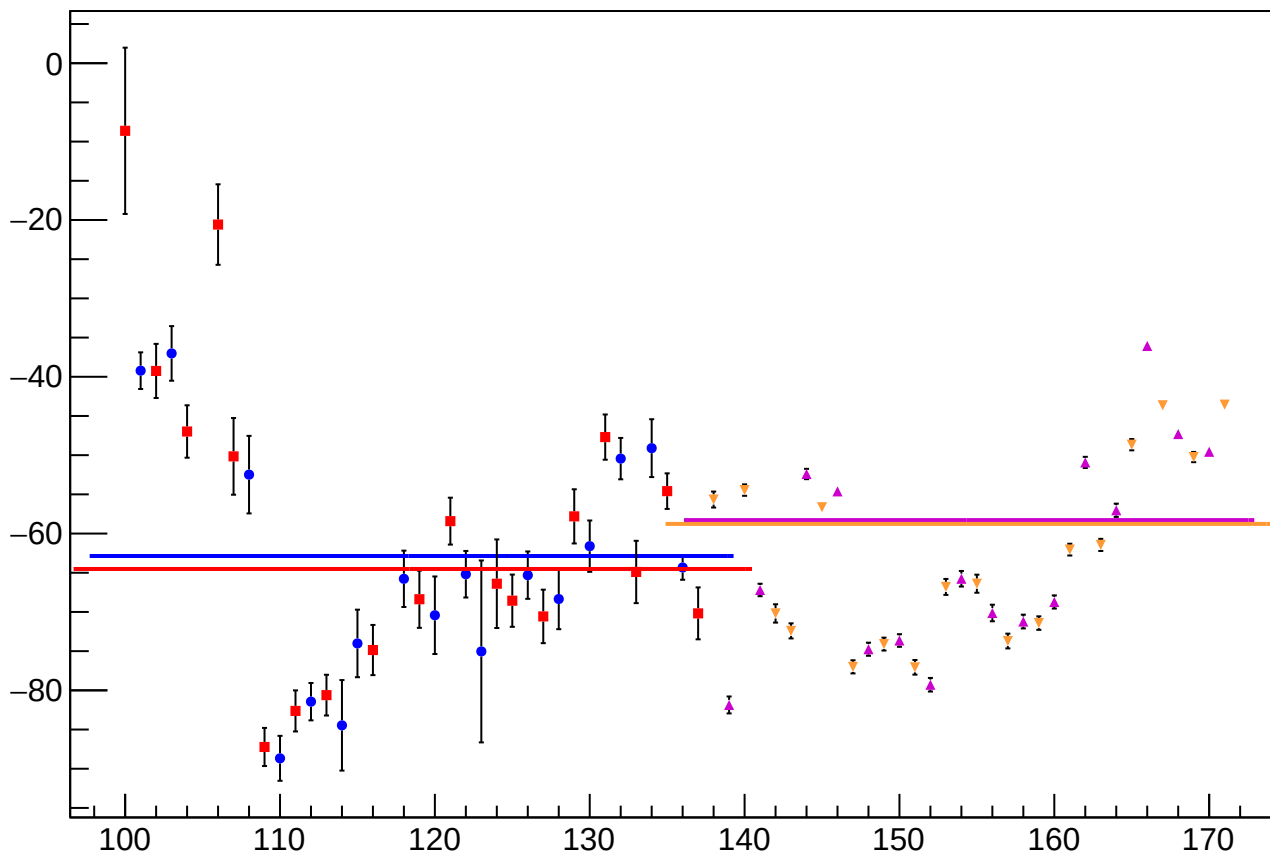
Right: -3.873 ± 0.296 χ^2/NDF : 584.0/35

In: -0.722 ± 0.130 χ^2/NDF : 1296.9/32

Out: -0.710 ± 0.128 χ^2/NDF : 1274.4/36

All: -0.716 ± 0.091 χ^2/NDF : 2571.2/69

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -58.769 ± 0.184 χ^2/NDF : 3956.1/17

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

Left In: -58.284 ± 0.187 χ^2/NDF : 4656.7/15

Left: -58.530 ± 0.131 χ^2/NDF : 8616.2/33

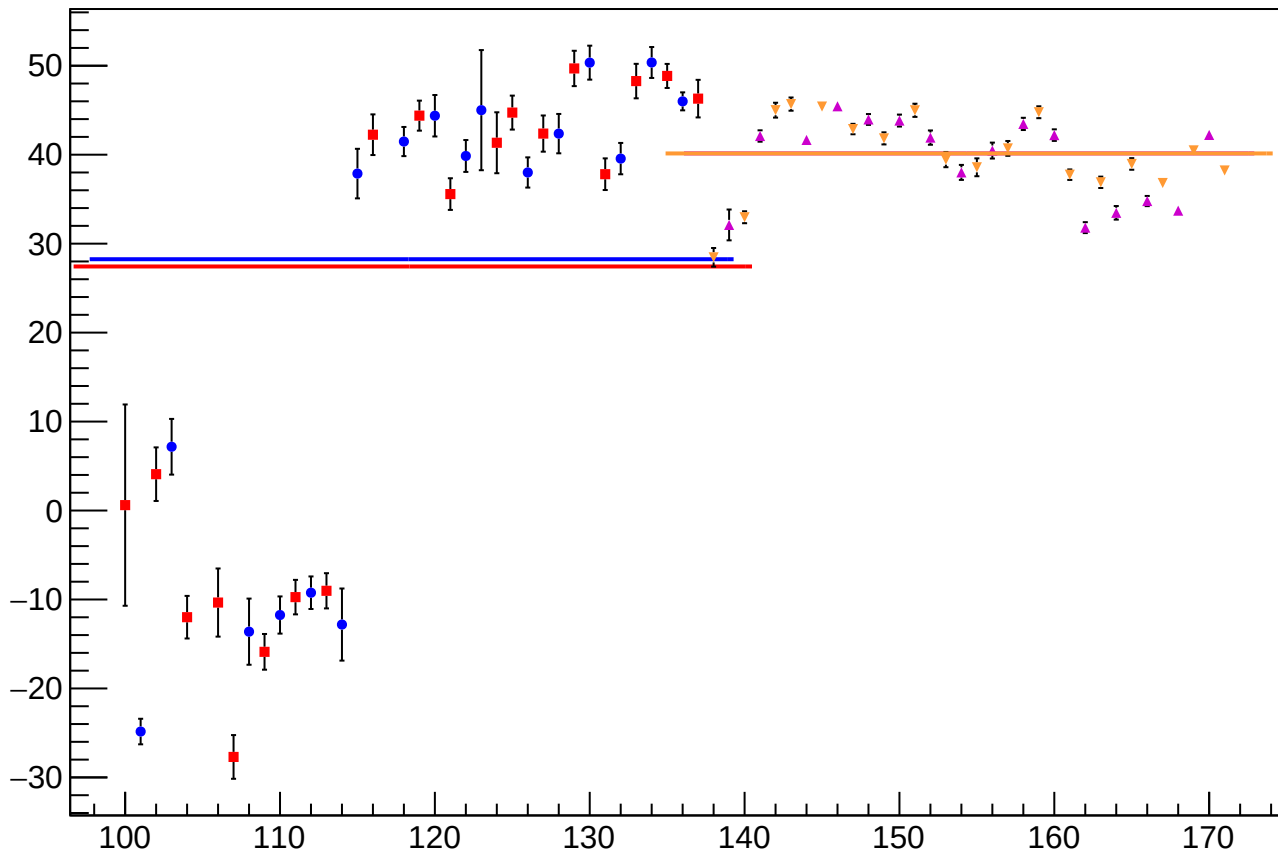
Right: -63.677 ± 0.528 χ^2/NDF : 815.4/35

In: -58.559 ± 0.182 χ^2/NDF : 5061.3/32

Out: -59.094 ± 0.179 χ^2/NDF : 4455.5/36

All: -58.830 ± 0.127 χ^2/NDF : 9521.2/69

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: 40.140 $\pm$ 0.154 χ^2 /NDF:648.8/17

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

Left In: 40.145 $\pm$ 0.159 χ^2 /NDF:776.6/15

Left: 40.143 $\pm$ 0.111 χ^2 /NDF: 1425.4/33

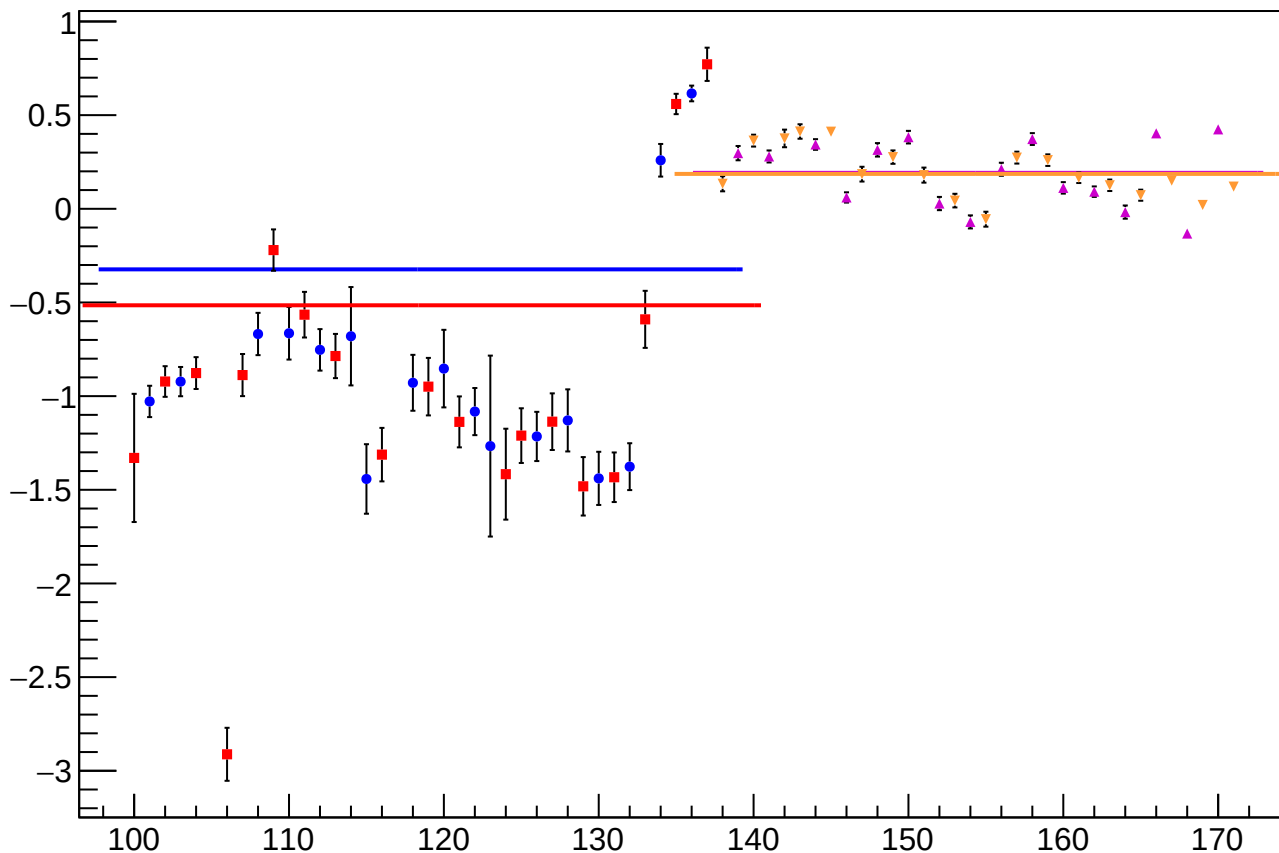
Right: 27.859 $\pm$ 0.332 χ^2 /NDF: 6353.5/35

In: 38.872 $\pm$ 0.151 χ^2 /NDF:4693.0/32

Out: 38.944 $\pm$ 0.147 χ^2 /NDF:4319.1/36

All: 38.909 $\pm$ 0.105 χ^2 /NDF: 9012.2/69

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: 0.186 ± 0.007 χ^2/NDF : 321.0/17

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

Left In: 0.192 ± 0.007 χ^2/NDF : 673.6/15

Left: 0.189 ± 0.005 χ^2/NDF : 994.9/33

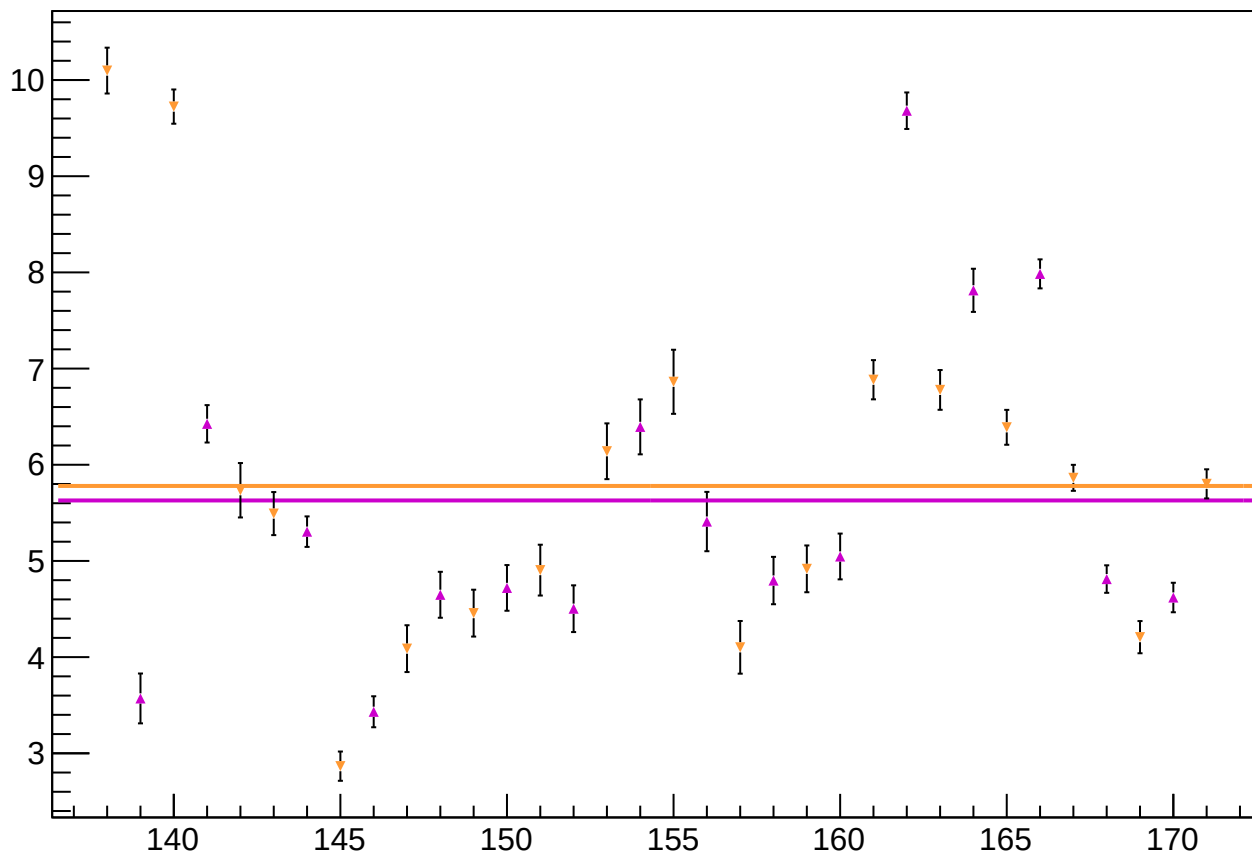
Right: -0.416 ± 0.018 χ^2/NDF : 2200.2/35

In: 0.150 ± 0.007 χ^2/NDF : 2075.8/32

Out: 0.136 ± 0.007 χ^2/NDF : 2170.0/36

All: 0.143 ± 0.005 χ^2/NDF : 4247.8/69

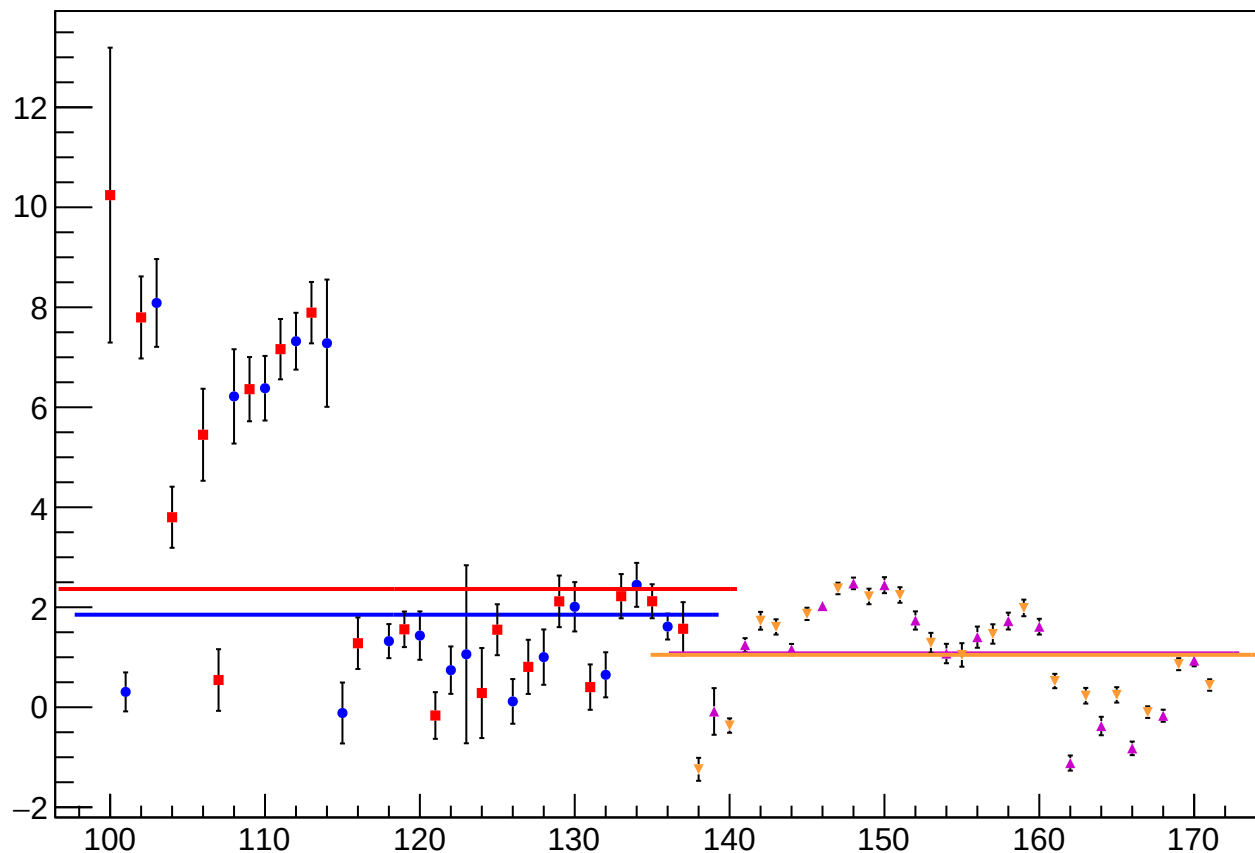
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.780+/-0.048 χ^2/NDF :1491.0/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.629+/-0.049 χ^2/NDF :1218.0/15

Left: 5.706+/-0.034 χ^2/NDF : 2713.8/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.629+/-0.049 χ^2/NDF :1218.0/15
 Out: 5.780+/-0.048 χ^2/NDF :1491.0/17
 All: 5.706+/-0.034 χ^2/NDF : 2713.8/33

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.049 ± 0.035 χ^2/NDF : 749.6/17

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

Left In: 1.077 ± 0.036 χ^2/NDF : 935.6/15

Left: 1.062 ± 0.025 χ^2/NDF : 1685.5/33

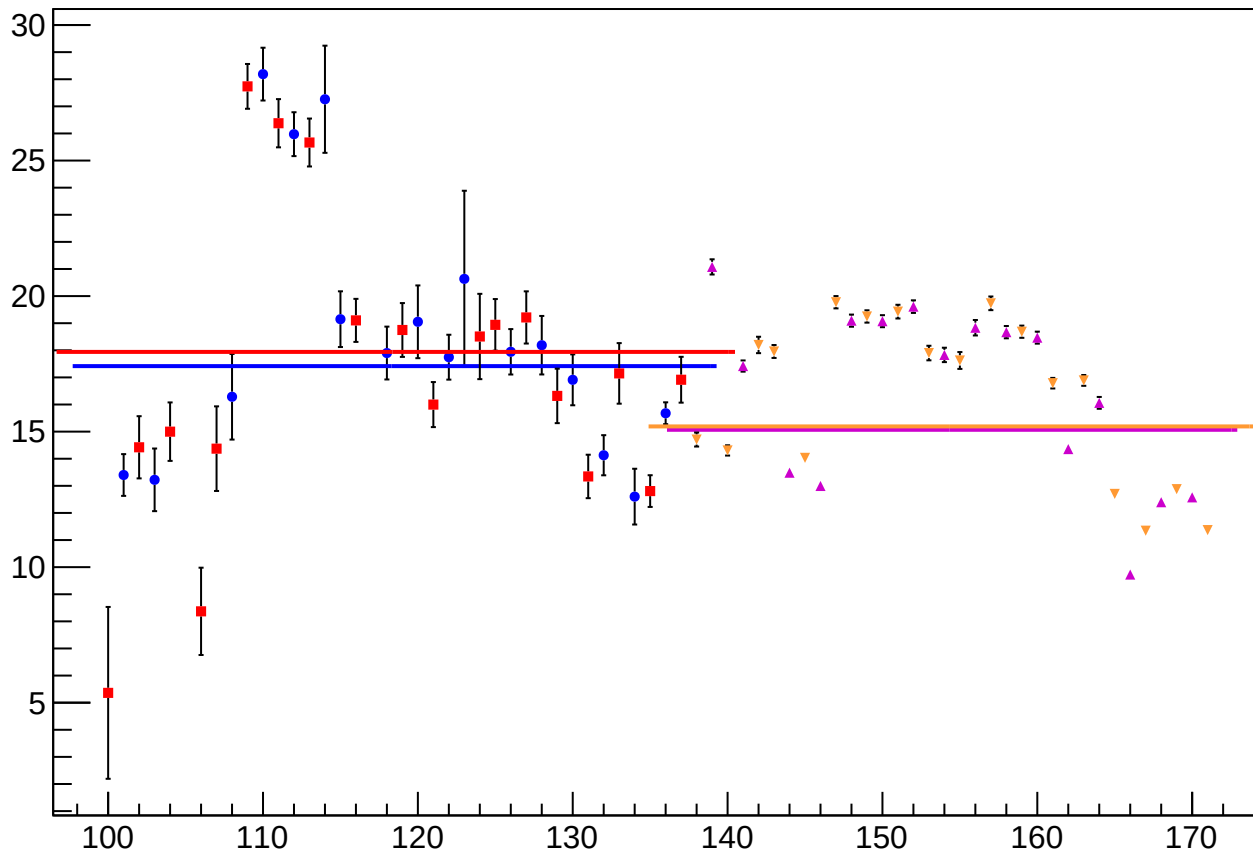
Right: 2.097 ± 0.085 χ^2/NDF : 639.6/35

In: 1.143 ± 0.034 χ^2/NDF : 1269.6/32

Out: 1.147 ± 0.034 χ^2/NDF : 1192.5/36

All: 1.145 ± 0.024 χ^2/NDF : 2462.2/69

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: 15.192 $\pm$ 0.048 χ^2 /NDF:3965.8/17

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

Left In: 15.068 $\pm$ 0.049 χ^2 /NDF:4501.3/15

Left: 15.131 $\pm$ 0.034 χ^2 /NDF: 8470.4/33

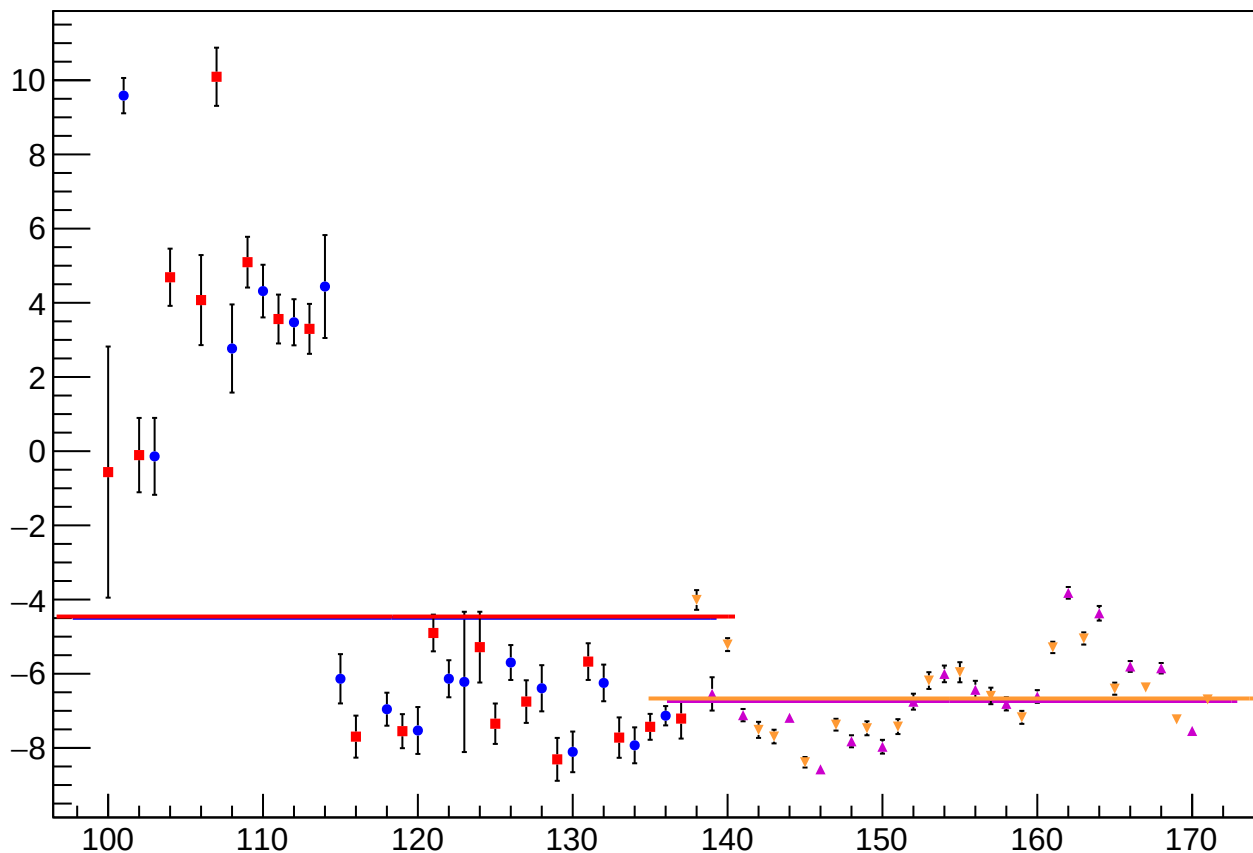
Right: 17.671 $\pm$ 0.153 χ^2 /NDF: 875.6/35

In: 15.185 $\pm$ 0.048 χ^2 /NDF:4984.3/32

Out: 15.317 $\pm$ 0.047 χ^2 /NDF:4621.6/36

All: 15.252 $\pm$ 0.033 χ^2 /NDF: 9609.8/69

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: -6.667 ± 0.040 $\chi^2/\text{NDF}: 637.1/17$

Right Out: -4.458 ± 0.137 $\chi^2/\text{NDF}: 1338.9/18$

Left In: -6.735 ± 0.041 $\chi^2/\text{NDF}: 946.2/15$

Left: -6.700 ± 0.029 $\chi^2/\text{NDF}: 1584.7/33$

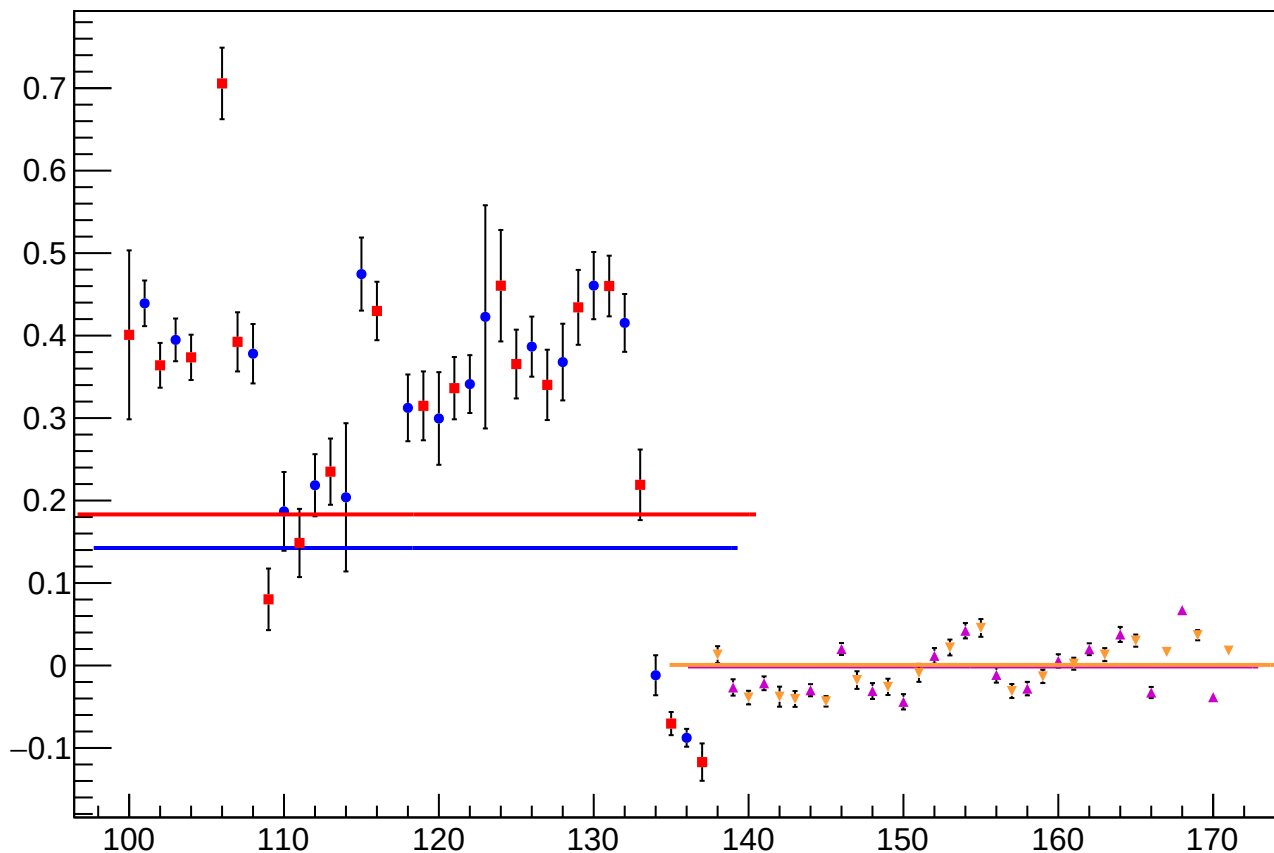
Right: -4.476 ± 0.094 $\chi^2/\text{NDF}: 2924.4/35$

In: -6.529 ± 0.040 $\chi^2/\text{NDF}: 2800.2/32$

Out: -6.493 ± 0.038 $\chi^2/\text{NDF}: 2215.5/36$

All: -6.510 ± 0.028 $\chi^2/\text{NDF}: 5016.1/69$

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: 0.001 ± 0.002 $\chi^2/\text{NDF}: 222.2/17$

Right Out: 0.183 ± 0.007 $\chi^2/\text{NDF}: 1000.9/18$

Left In: -0.001 ± 0.002 $\chi^2/\text{NDF}: 350.5/15$

Left: -0.000 ± 0.001 $\chi^2/\text{NDF}: 573.2/33$

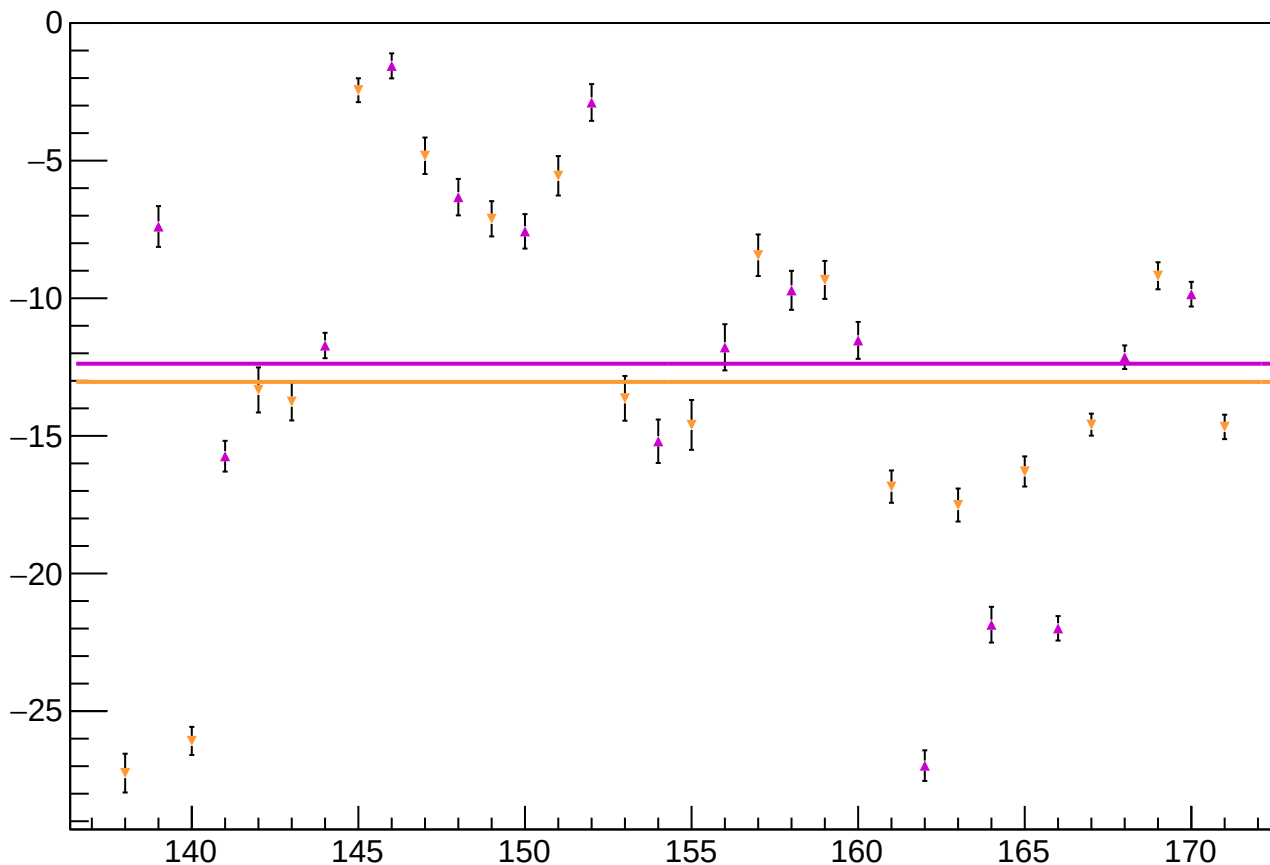
Right: 0.162 ± 0.005 $\chi^2/\text{NDF}: 2075.4/35$

In: 0.009 ± 0.002 $\chi^2/\text{NDF}: 1793.4/32$

Out: 0.012 ± 0.002 $\chi^2/\text{NDF}: 1793.6/36$

All: 0.010 ± 0.001 $\chi^2/\text{NDF}: 3588.1/69$

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -13.039 $\pm$ 0.138 χ^2/NDF :2297.8/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -12.378 $\pm$ 0.141 χ^2/NDF :2426.4/15

Left: -12.717 $\pm$ 0.099 χ^2/NDF : 4735.4/33

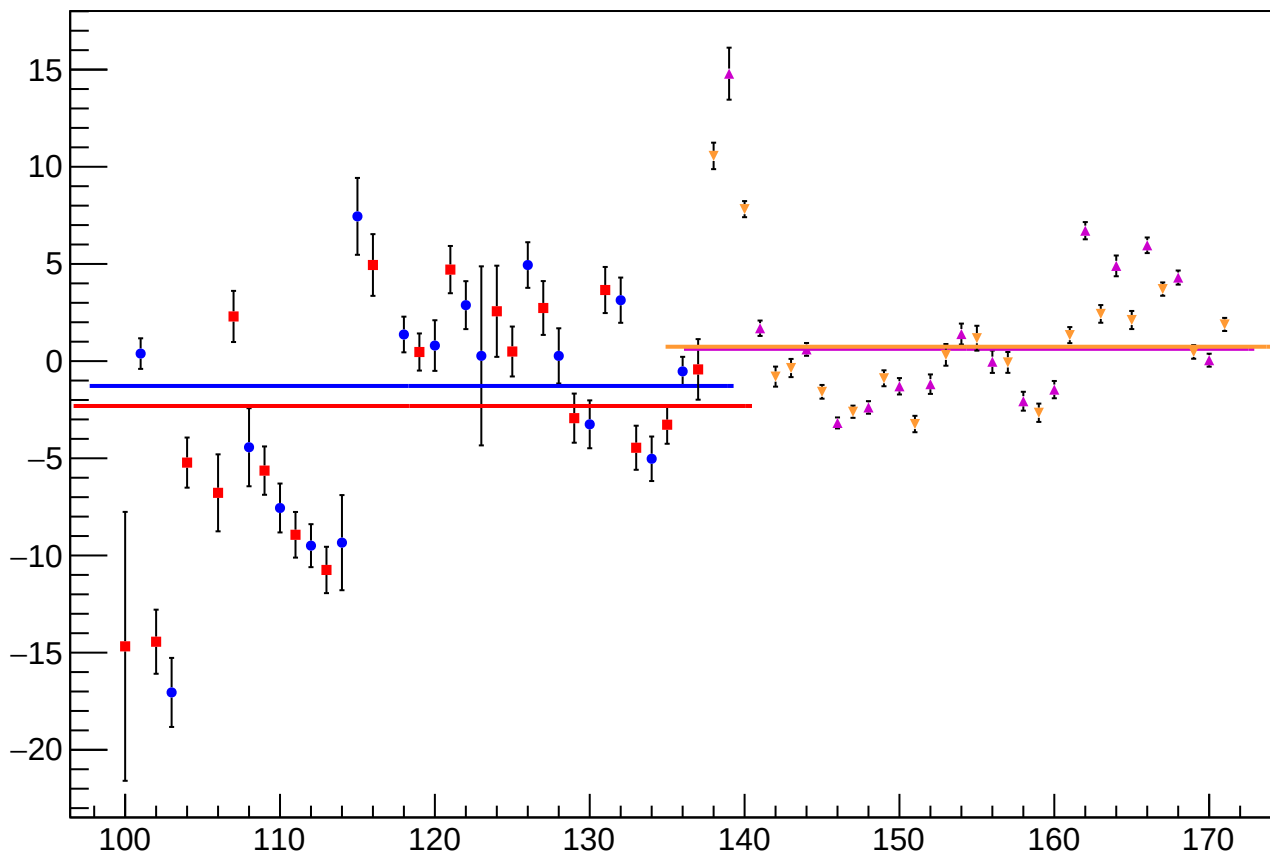
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -12.378 $\pm$ 0.141 χ^2/NDF :2426.4/15

Out: -13.039 $\pm$ 0.138 χ^2/NDF :2297.8/17

All: -12.717 $\pm$ 0.099 χ^2/NDF : 4735.4/33

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: 0.741 ± 0.100 χ^2/NDF : 942.0/17

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

Left In: 0.632 ± 0.103 χ^2/NDF : 1012.1/15

Left: 0.688 ± 0.072 χ^2/NDF : 1954.6/33

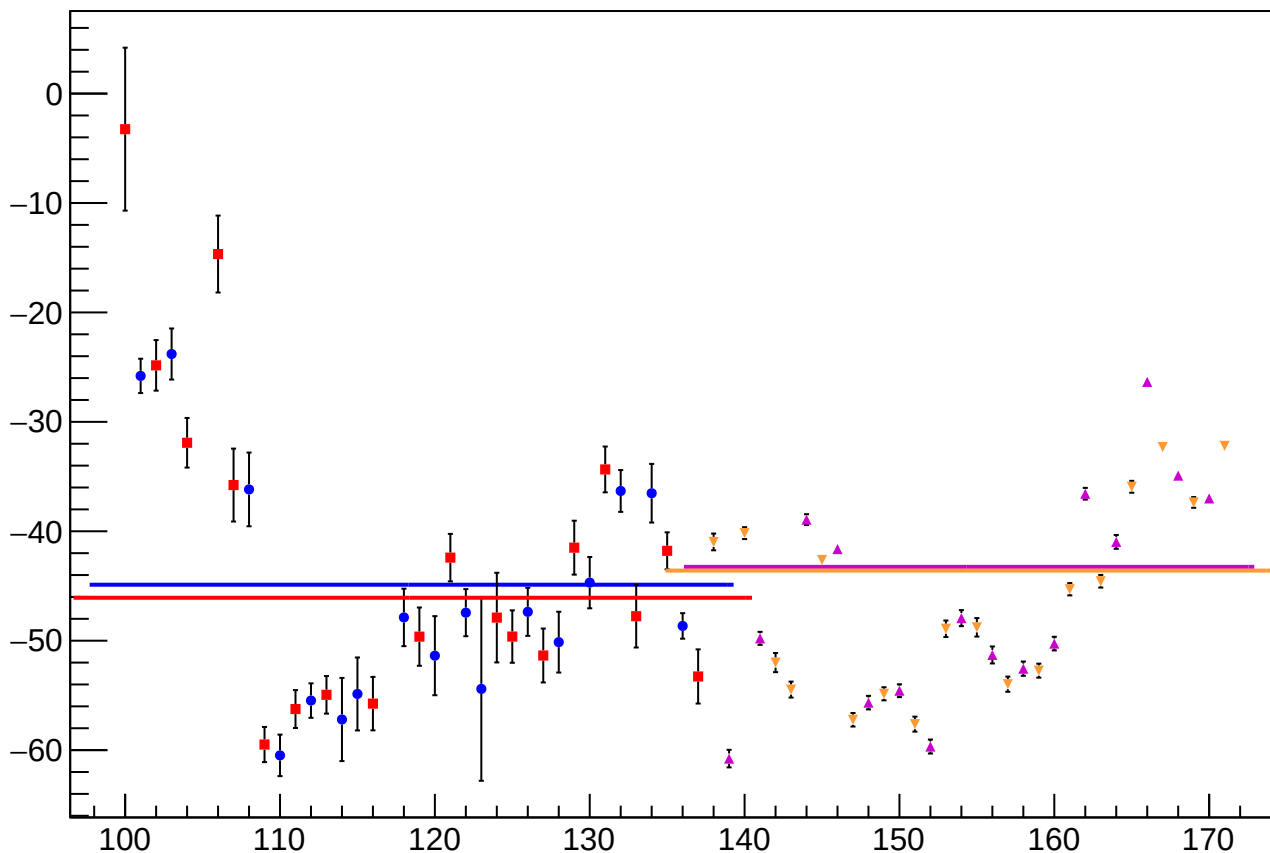
Right: -1.776 ± 0.210 χ^2/NDF : 567.8/35

In: 0.423 ± 0.097 χ^2/NDF : 1326.6/32

Out: 0.441 ± 0.095 χ^2/NDF : 1319.0/36

All: 0.432 ± 0.068 χ^2/NDF : 2645.6/69

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$

Left Out: -43.592 ± 0.138 $\chi^2/\text{NDF}: 3927.7/17$

Right Out: -46.075 ± 0.529 $\chi^2/\text{NDF}: 454.3/18$

Left In: -43.249 ± 0.140 $\chi^2/\text{NDF}: 4721.5/15$

Left: -43.423 ± 0.098 $\chi^2/\text{NDF}: 8652.2/33$

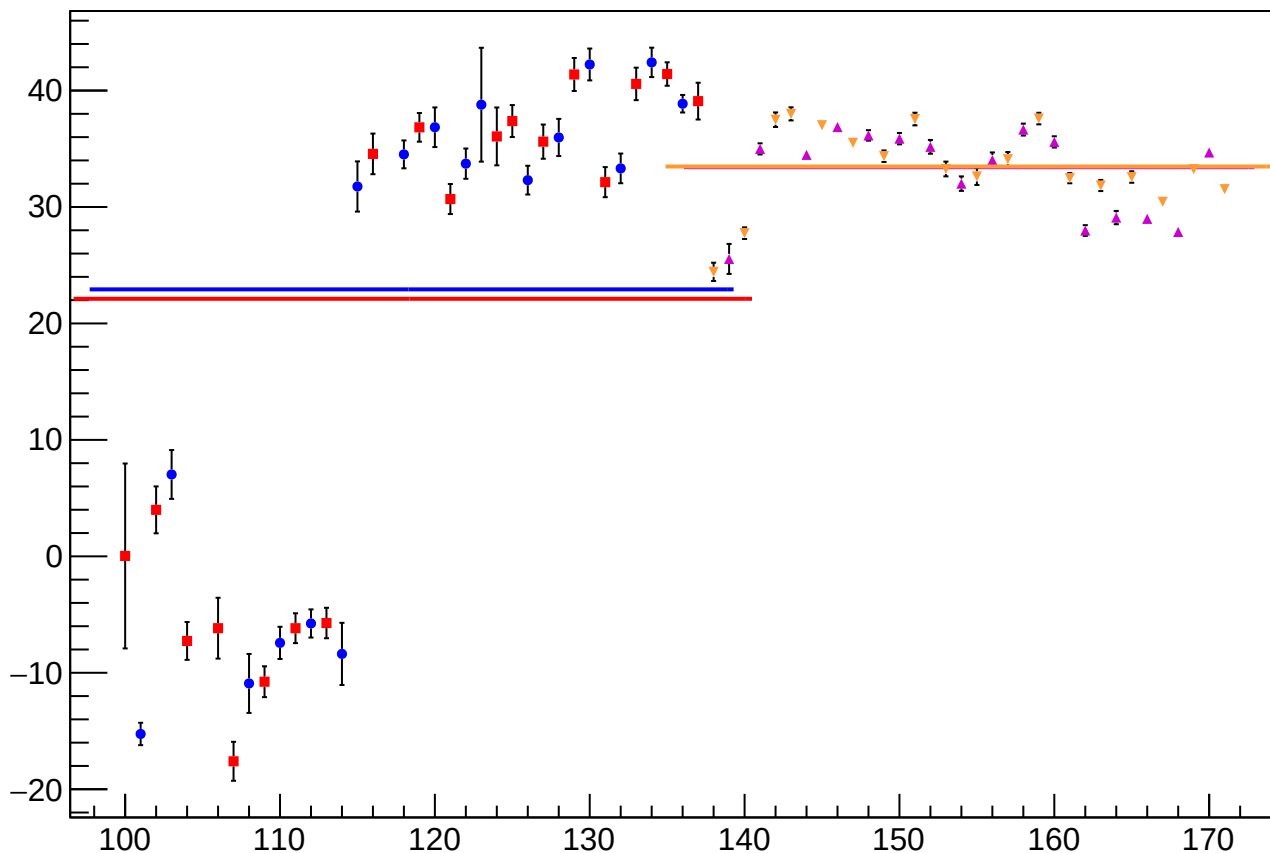
Right: -45.474 ± 0.372 $\chi^2/\text{NDF}: 877.8/35$

In: -43.358 ± 0.135 $\chi^2/\text{NDF}: 5151.5/32$

Out: -43.749 ± 0.133 $\chi^2/\text{NDF}: 4402.6/36$

All: -43.556 ± 0.095 $\chi^2/\text{NDF}: 9558.4/69$

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: 33.478 $\pm$ 0.115 χ^2 /NDF: 709.3/17

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

Left In: 33.417 $\pm$ 0.119 χ^2 /NDF: 774.3/15

Left: 33.449 $\pm$ 0.083 χ^2 /NDF: 1483.8/33

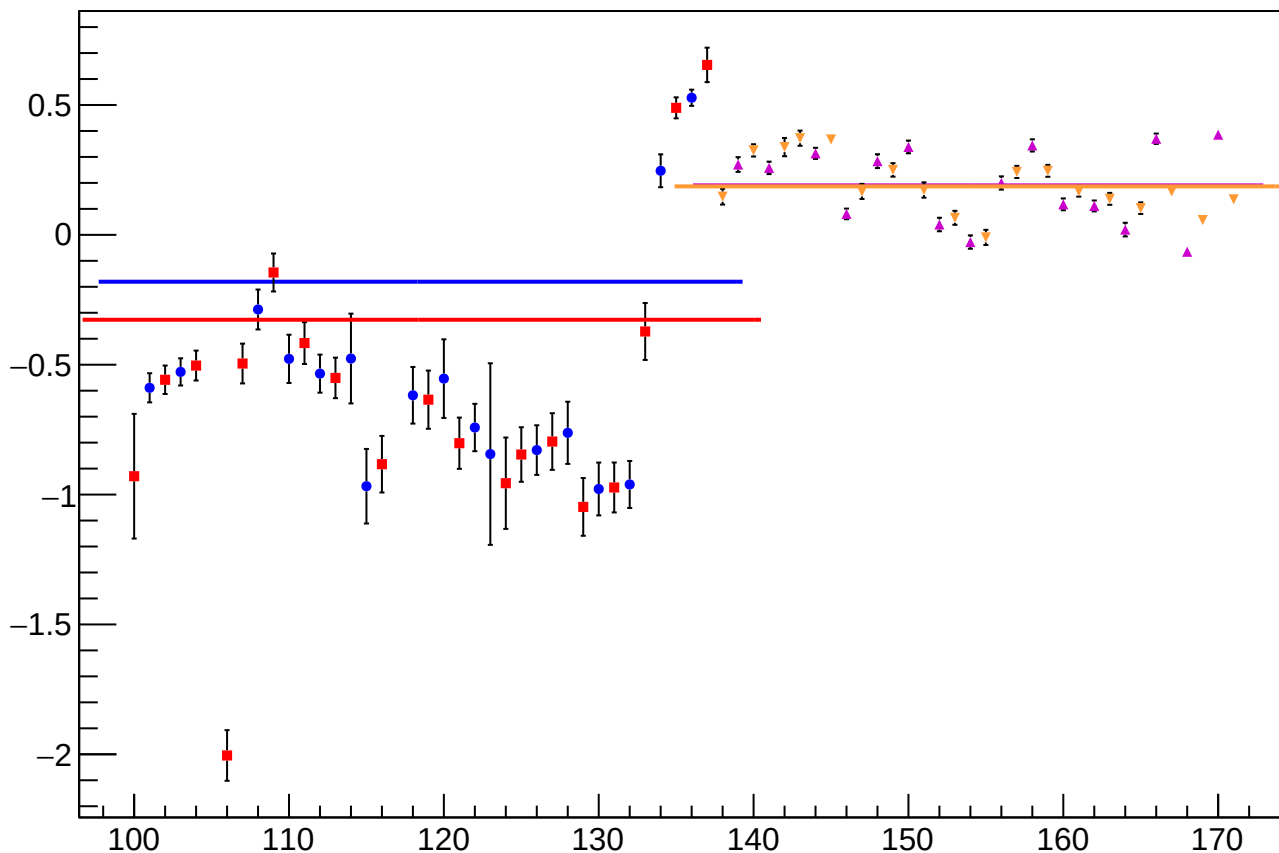
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 32.200 $\pm$ 0.112 χ^2 /NDF: 6008.5/32

Out: 32.309 $\pm$ 0.109 χ^2 /NDF: 5744.7/36

All: 32.256 $\pm$ 0.078 χ^2 /NDF: 11753.6/69

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: 0.187 ± 0.005 χ^2/NDF : 360.6/17

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.191 ± 0.006 χ^2/NDF : 806.7/15

Left: 0.189 ± 0.004 χ^2/NDF : 1167.6/33

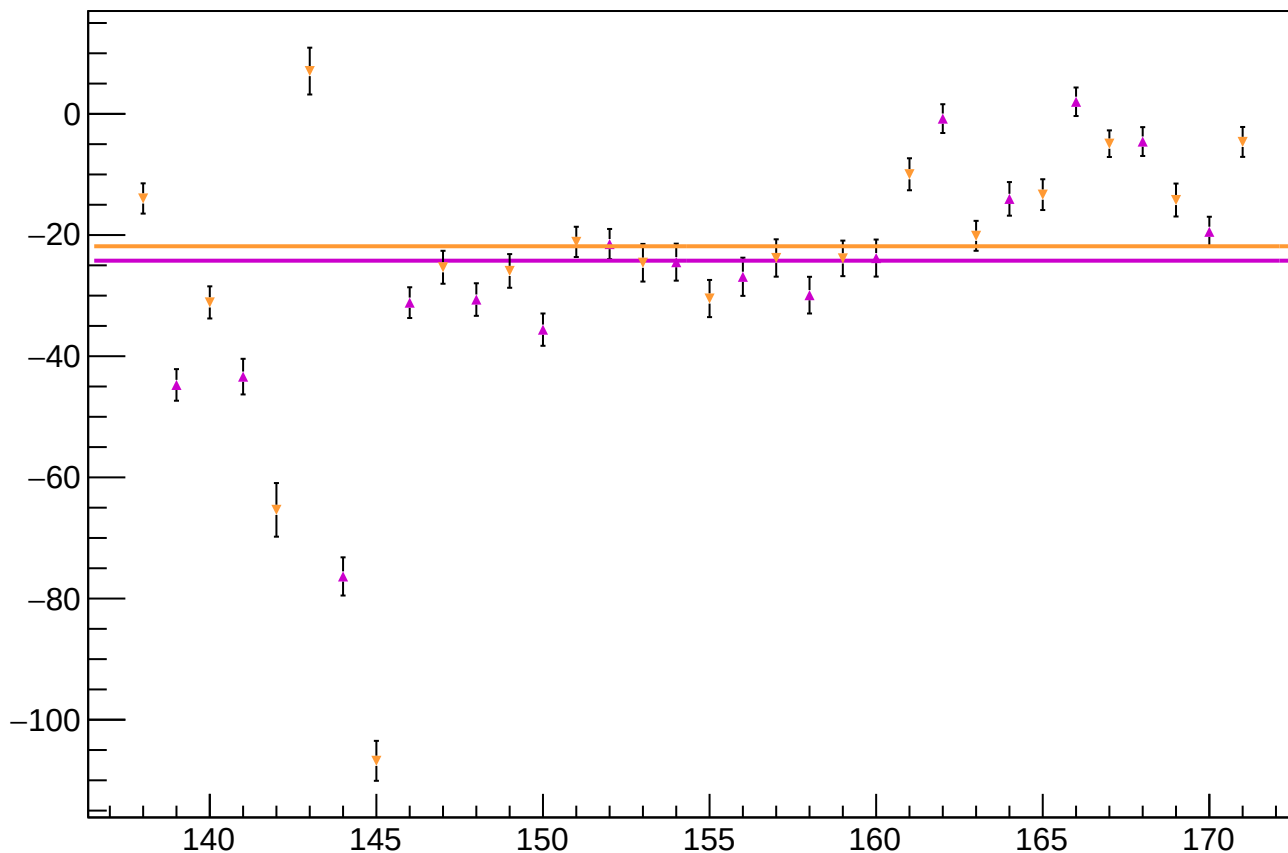
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.158 ± 0.005 χ^2/NDF : 2199.7/32

Out: 0.146 ± 0.005 χ^2/NDF : 2268.8/36

All: 0.152 ± 0.004 χ^2/NDF : 4471.2/69

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



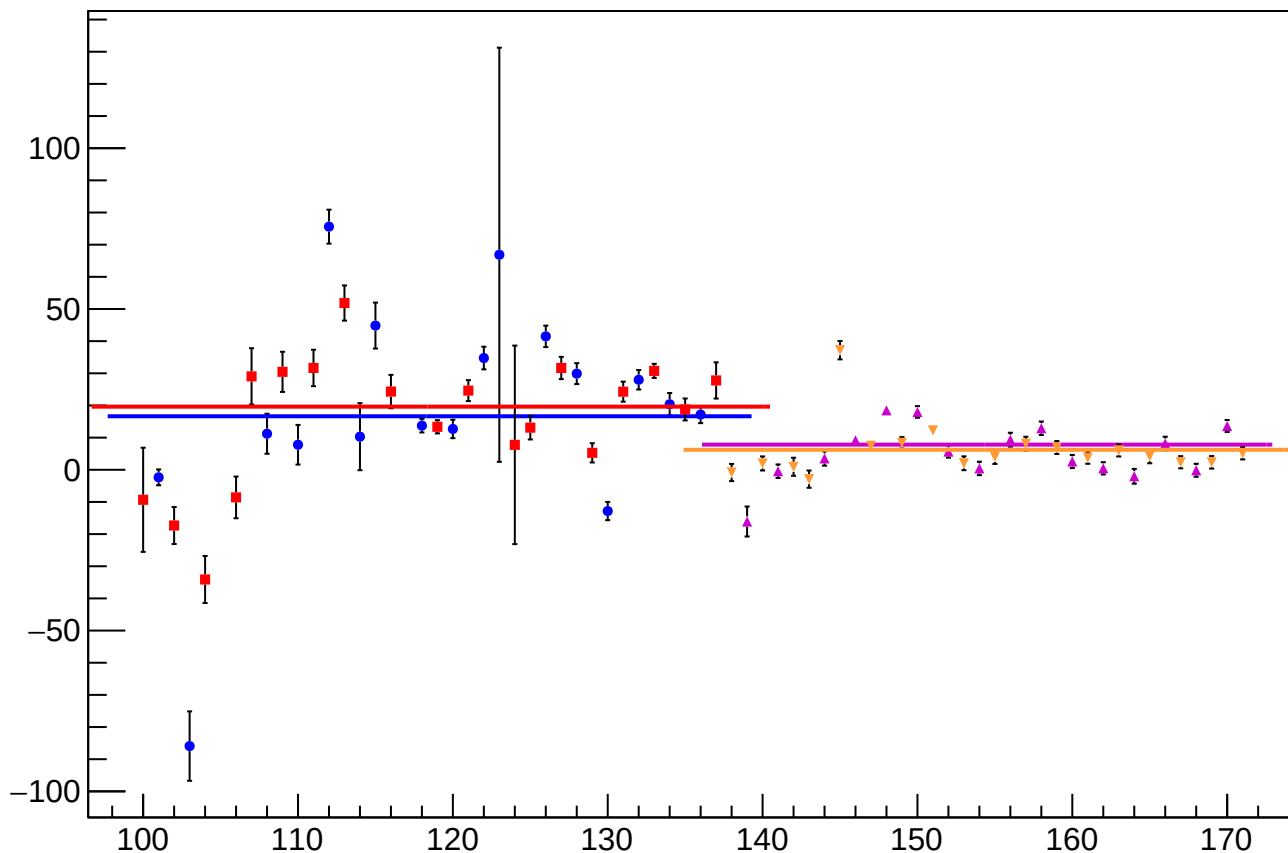
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -21.852 $\pm$ 0.654 χ^2/NDF :999.8/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -24.232 $\pm$ 0.673 χ^2/NDF :721.4/15

Left: -23.009 $\pm$ 0.469 χ^2/NDF : 1727.7/33
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -24.232 $\pm$ 0.673 χ^2/NDF :721.4/15
 Out: -21.852 $\pm$ 0.654 χ^2/NDF :999.8/17

All: -23.009 $\pm$ 0.469 χ^2/NDF : 1727.7/33

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: 6.215 $\pm$ 0.465 χ^2 /NDF: 180.6/17

Right Out: 19.632 $\pm$ 0.896 χ^2 /NDF: 241.7/18

Left In: 7.827 $\pm$ 0.487 χ^2 /NDF: 229.8/15

Left: 6.984 $\pm$ 0.336 χ^2 /NDF: 416.2/33

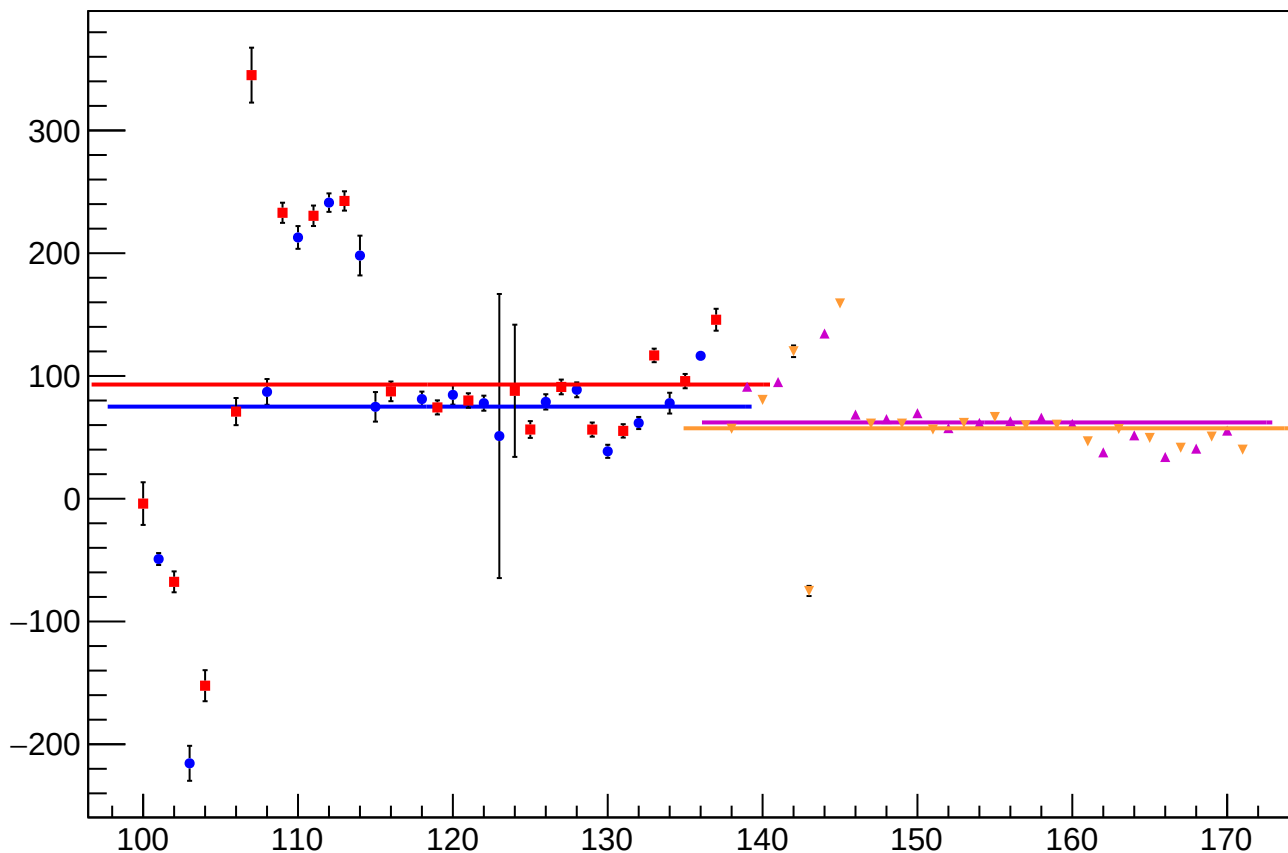
Right: 18.072 $\pm$ 0.620 χ^2 /NDF: 766.4/35

In: 9.969 $\pm$ 0.423 χ^2 /NDF: 828.5/32

Out: 9.059 $\pm$ 0.413 χ^2 /NDF: 598.9/36

All: 9.502 $\pm$ 0.295 χ^2 /NDF: 1429.7/69

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032+/-1.647 χ^2/NDF : 1999.7/16

Left Out: 57.380+/-0.644 χ^2/NDF : 2308.0/17

Right Out: 93.028+/-1.711 χ^2/NDF : 2003.6/18

Left In: 62.141+/-0.658 χ^2/NDF : 1053.8/15

Left: 59.707+/-0.460 χ^2/NDF : 3388.5/33

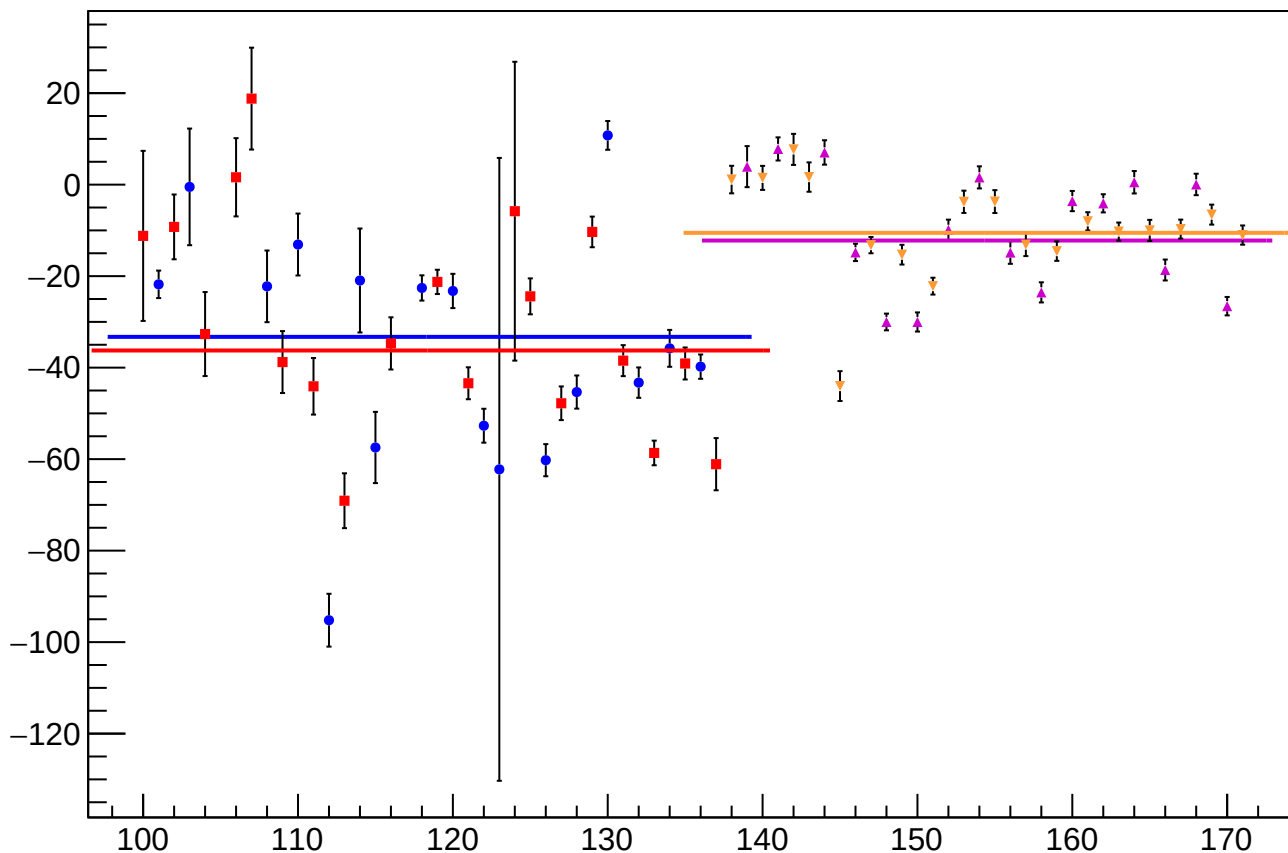
Right: 83.683+/-1.187 χ^2/NDF : 4060.7/35

In: 63.917+/-0.611 χ^2/NDF : 3106.3/32

Out: 61.797+/-0.602 χ^2/NDF : 4691.7/36

All: 62.842+/-0.429 χ^2/NDF : 7804.2/69

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -10.534 ± 0.540 χ^2/NDF : 256.9/17

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

Left In: -12.215 ± 0.564 χ^2/NDF : 503.4/15

Left: -11.337 ± 0.390 χ^2/NDF : 765.0/33

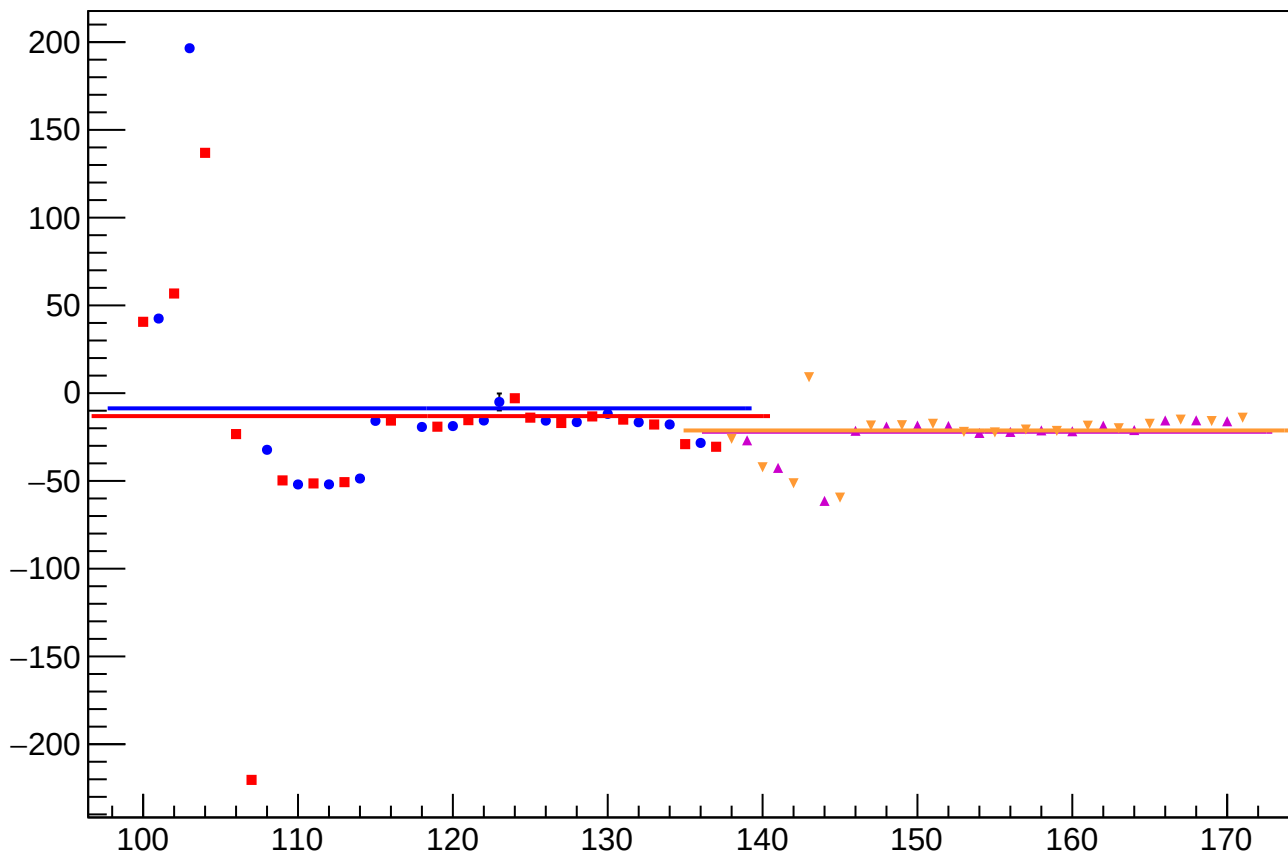
Right: -34.699 ± 0.709 χ^2/NDF : 791.4/35

In: -17.444 ± 0.489 χ^2/NDF : 1338.5/32

Out: -16.124 ± 0.477 χ^2/NDF : 1048.2/36

All: -16.768 ± 0.342 χ^2/NDF : 2390.4/69

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: -21.252 ± 0.025 $\chi^2/\text{NDF}: 189445.7/17$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

Left In: -21.994 ± 0.026 $\chi^2/\text{NDF}: 118116.8/15$

Left: -21.612 ± 0.018 $\chi^2/\text{NDF}: 307988.8/33$

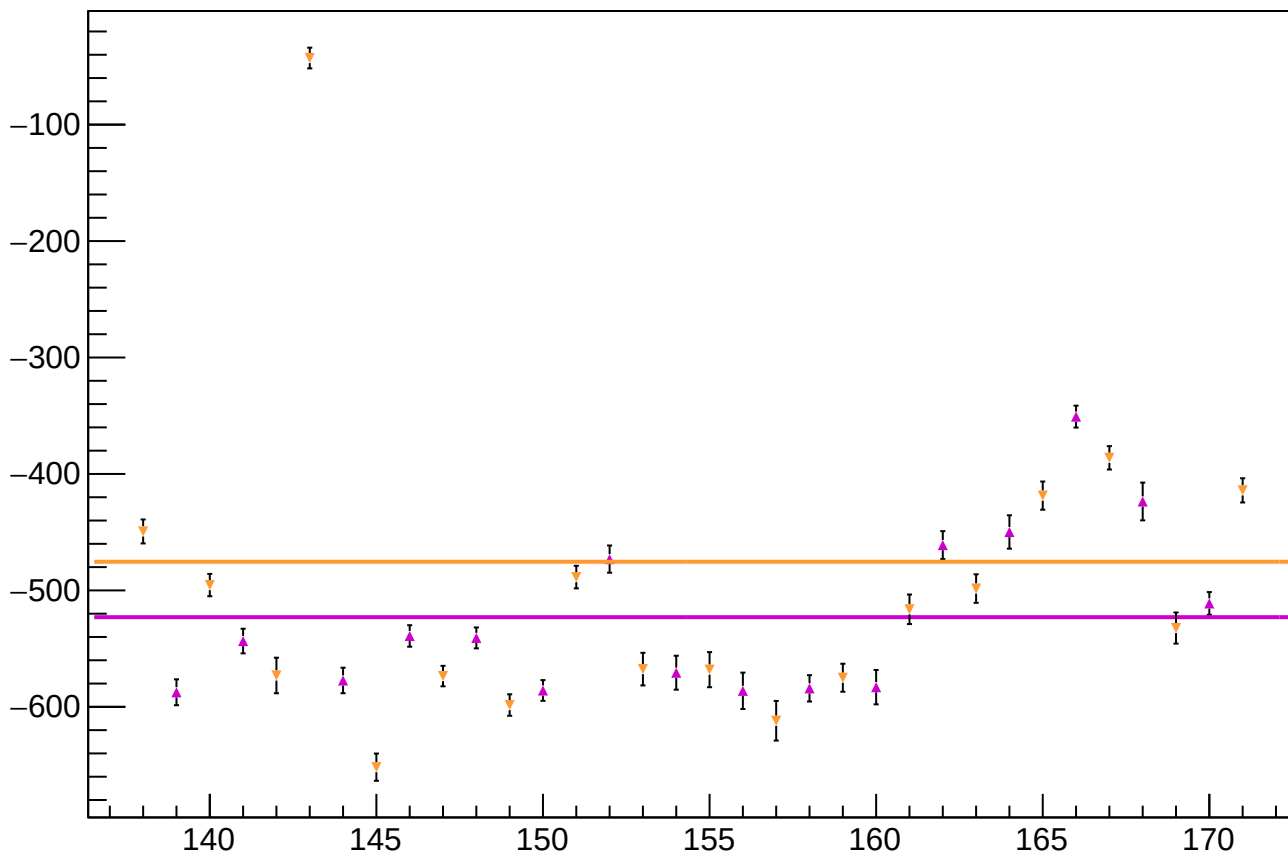
Right: -10.767 ± 0.043 $\chi^2/\text{NDF}: 1136731.7/35$

In: -19.863 ± 0.024 $\chi^2/\text{NDF}: 736671.1/32$

Out: -20.099 ± 0.023 $\chi^2/\text{NDF}: 762783.2/36$

All: -19.983 ± 0.017 $\chi^2/\text{NDF}: 1499505.4/69$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -475.387+/-2.634 χ^2/NDF :3328.1/17

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

Left In: -522.989+/-2.793 χ^2/NDF :637.2/15

Left: -497.789+/-1.916 χ^2/NDF : 4119.0/33

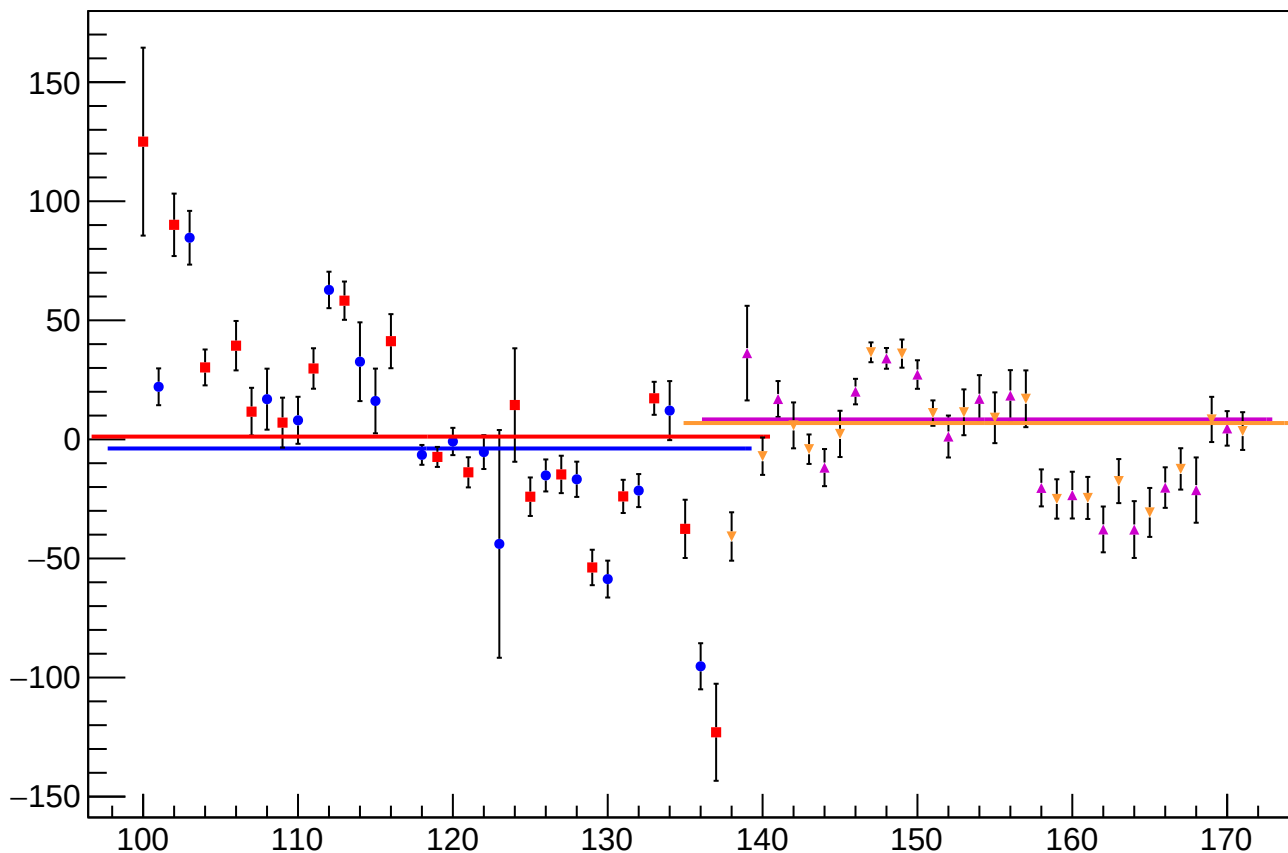
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -522.989+/-2.793 χ^2/NDF :637.2/15

Out: -475.387+/-2.634 χ^2/NDF :3328.1/17

All: -497.789+/-1.916 χ^2/NDF : 4119.0/33

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 6.869 ± 1.795 χ^2/NDF : 158.3/17

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

Left In: 8.389 ± 1.936 χ^2/NDF : 140.1/15

Left: 7.571 ± 1.316 χ^2/NDF : 298.8/33

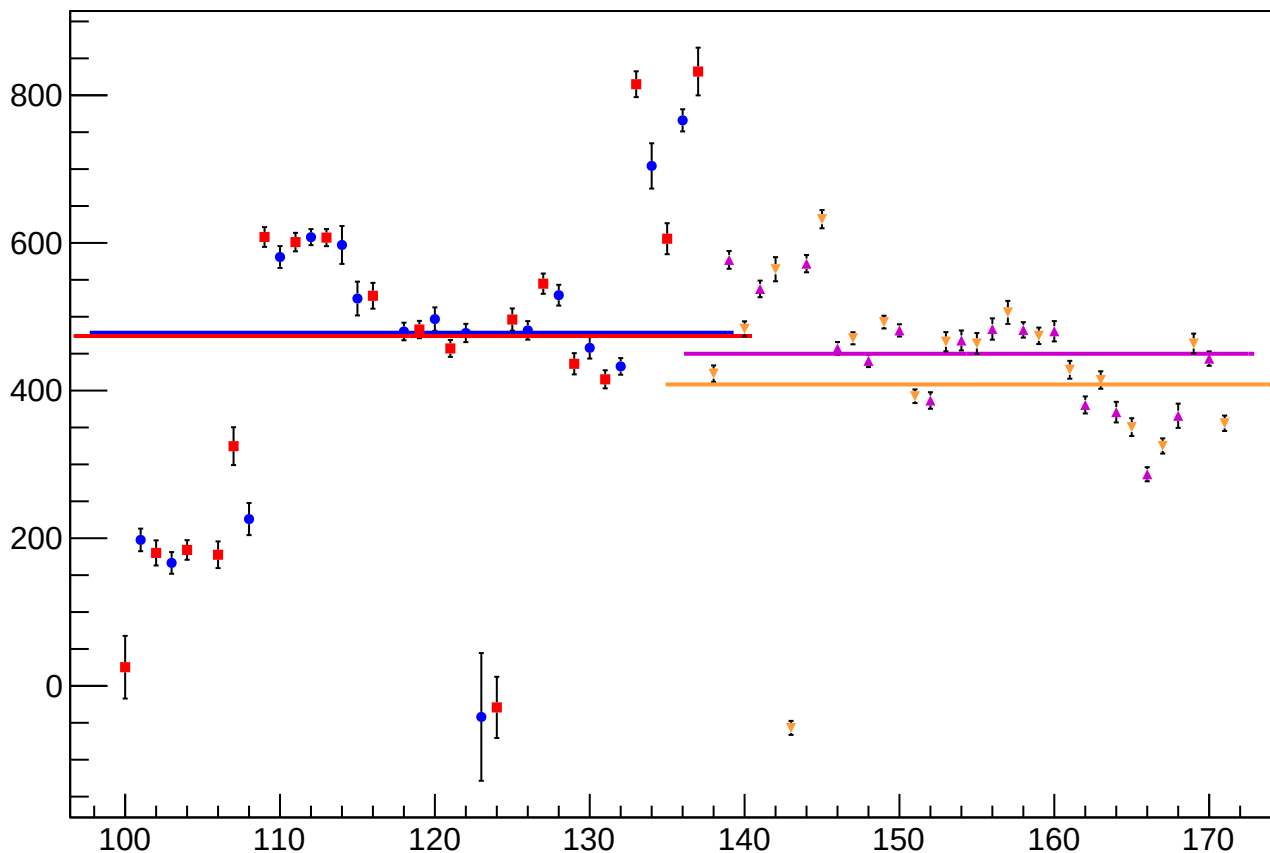
Right: -1.308 ± 1.356 χ^2/NDF : 621.6/35

In: 2.245 ± 1.364 χ^2/NDF : 474.4/32

Out: 4.205 ± 1.309 χ^2/NDF : 466.9/36

All: 3.265 ± 0.945 χ^2/NDF : 942.4/69

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 408.280 $\pm$ 2.606 χ^2 /NDF:3276.7/17

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

Left In: 449.864 $\pm$ 2.732 χ^2 /NDF:735.9/15

Left: 428.089 $\pm$ 1.886 χ^2 /NDF: 4133.8/33

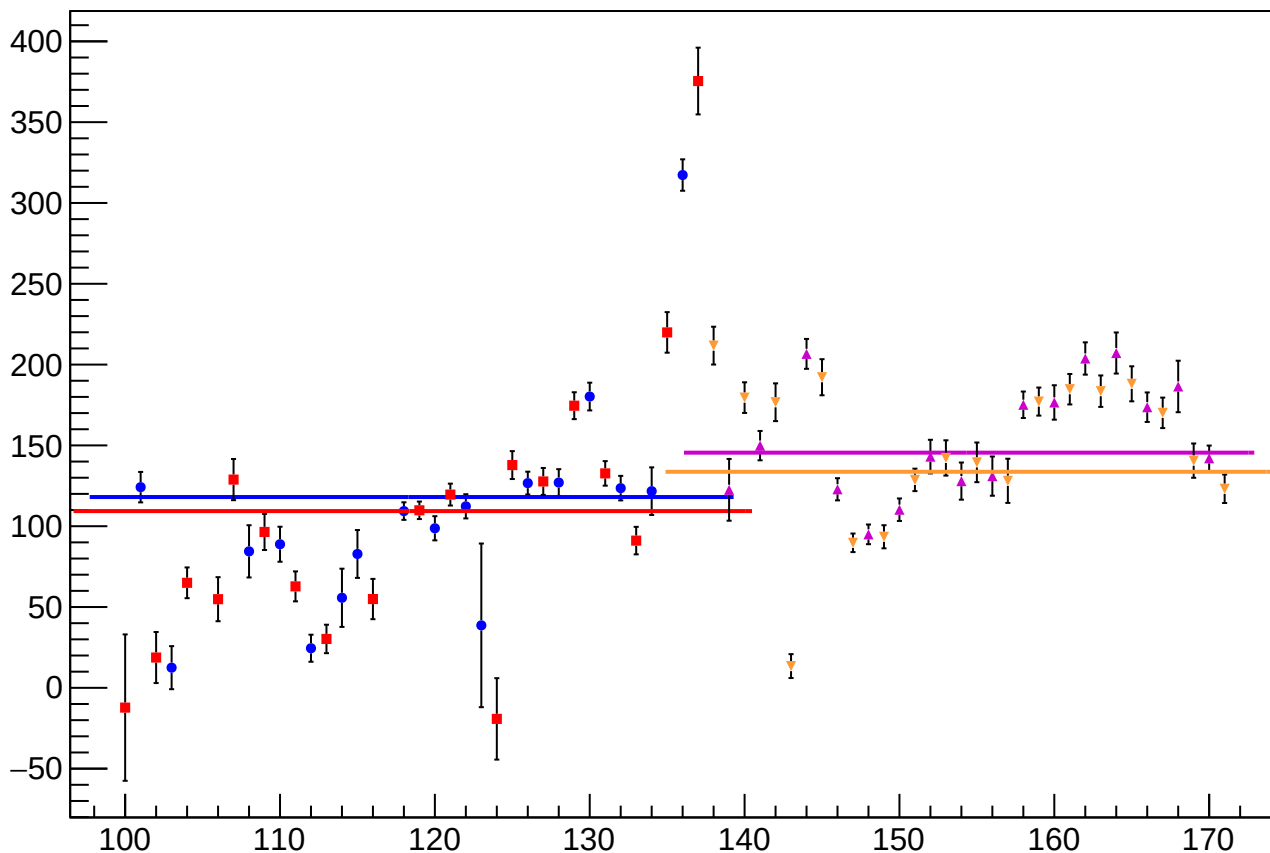
Right: 476.038 $\pm$ 2.542 χ^2 /NDF: 3914.6/35

In: 460.045 $\pm$ 2.190 χ^2 /NDF:2403.5/32

Out: 431.420 $\pm$ 2.097 χ^2 /NDF:5785.3/36

All: 445.111 $\pm$ 1.514 χ^2 /NDF: 8277.9/69

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: 133.683 $\pm$ 2.133 χ^2 /NDF:587.7/17

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

Left In: 145.517 $\pm$ 2.288 χ^2 /NDF:250.1/15

Left: 139.186 $\pm$ 1.560 χ^2 /NDF: 852.1/33

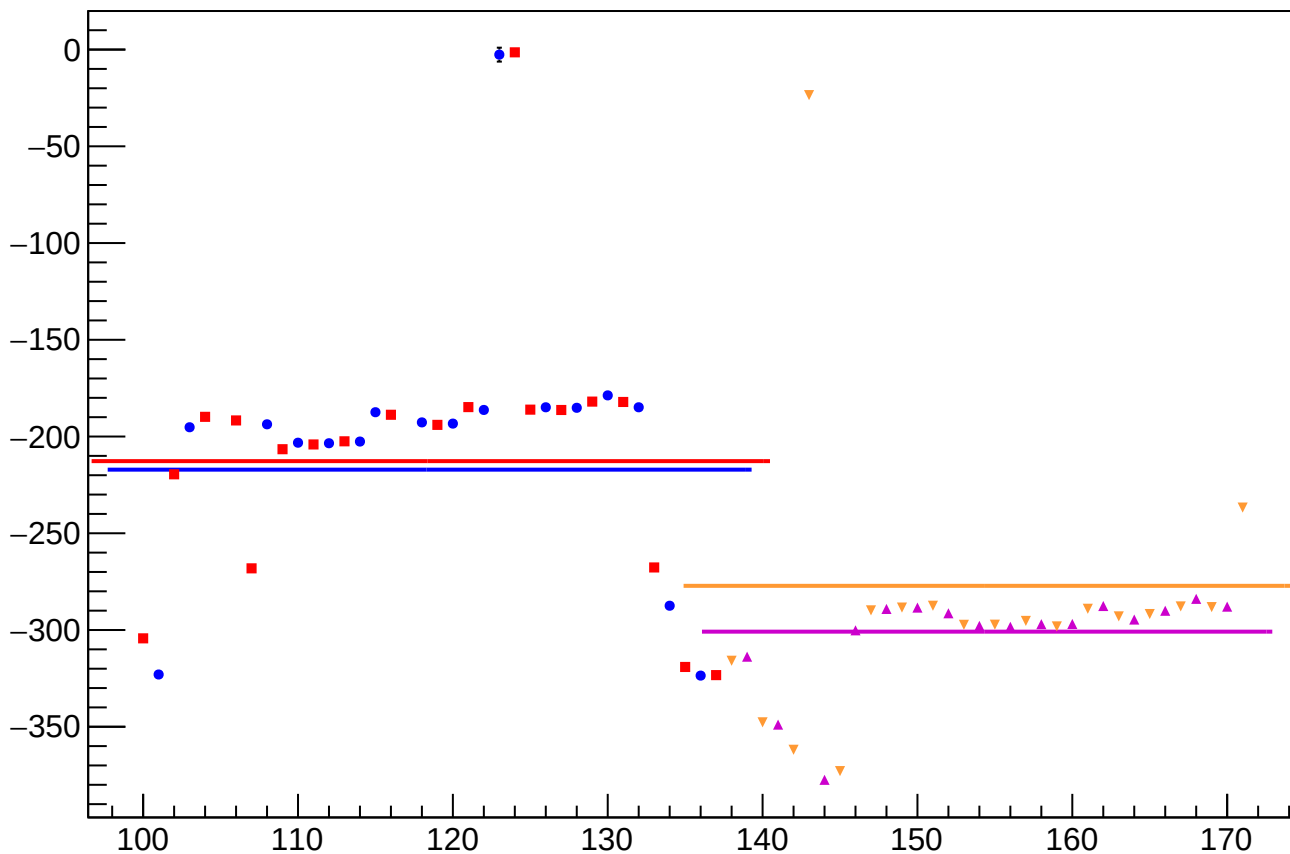
Right: 113.671 $\pm$ 1.566 χ^2 /NDF: 1282.8/35

In: 131.403 $\pm$ 1.595 χ^2 /NDF:1029.4/32

Out: 121.925 $\pm$ 1.533 χ^2 /NDF:1220.3/36

All: 126.476 $\pm$ 1.105 χ^2 /NDF: 2268.1/69

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -277.167 ± 0.104 $\chi^2/\text{NDF}: 559104.2/17$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

Left In: -300.848 ± 0.109 $\chi^2/\text{NDF}: 41033.0/15$

Left: -288.441 ± 0.075 $\chi^2/\text{NDF}: 624921.8/33$

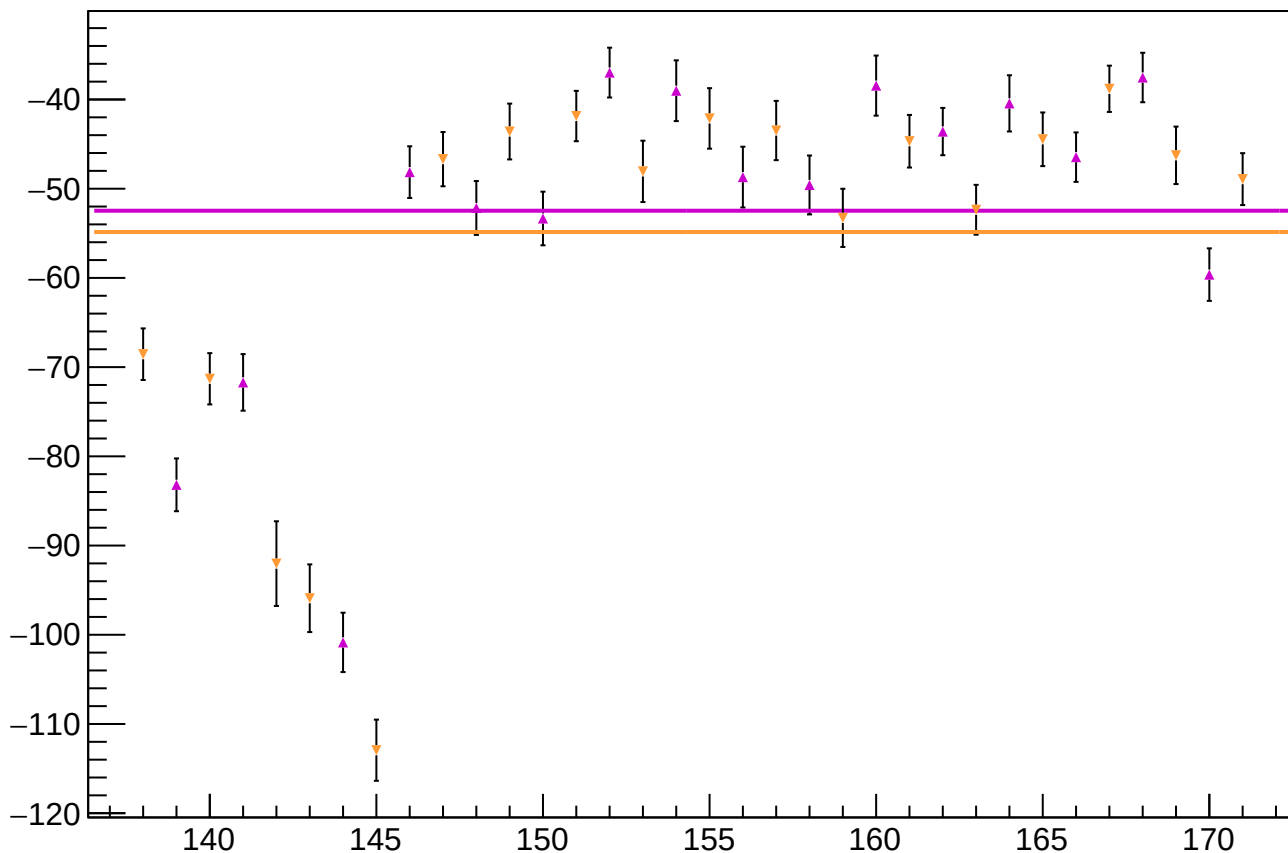
Right: -214.812 ± 0.094 $\chi^2/\text{NDF}: 262670.9/35$

In: -268.314 ± 0.085 $\chi^2/\text{NDF}: 417388.4/32$

Out: -252.119 ± 0.081 $\chi^2/\text{NDF}: 824537.4/36$

All: -259.829 ± 0.059 $\chi^2/\text{NDF}: 1260885.6/69$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



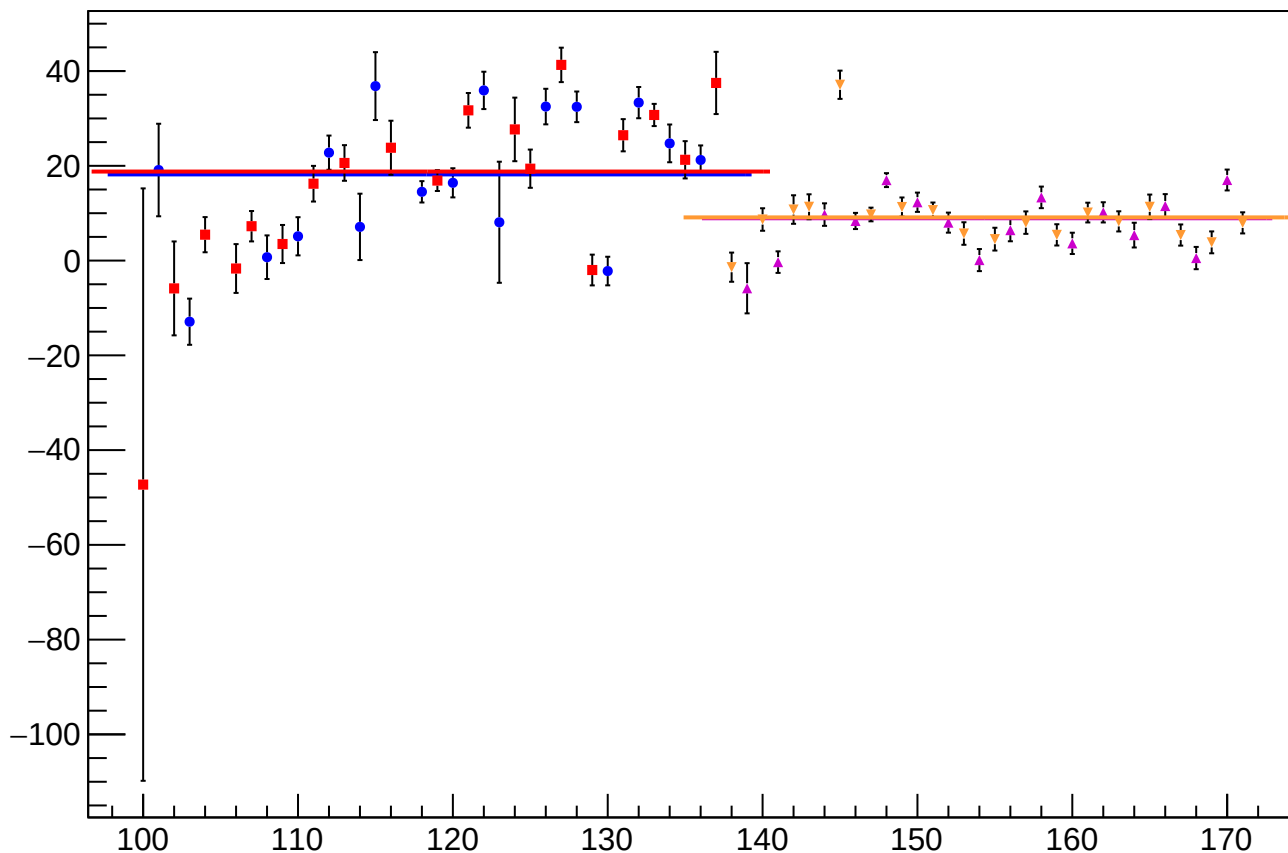
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -54.850+/-0.735 χ^2/NDF : 666.4/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -52.469+/-0.758 χ^2/NDF : 489.6/15

Left: -53.695+/-0.528 χ^2/NDF : 1161.0/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -52.469+/-0.758 χ^2/NDF : 489.6/15
 Out: -54.850+/-0.735 χ^2/NDF : 666.4/17

All: -53.695+/-0.528 χ^2/NDF : 1161.0/33

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.114 ± 0.521 χ^2/NDF : 121.2/17

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

Left In: 8.931 ± 0.547 χ^2/NDF : 111.8/15

Left: 9.027 ± 0.377 χ^2/NDF : 233.0/33

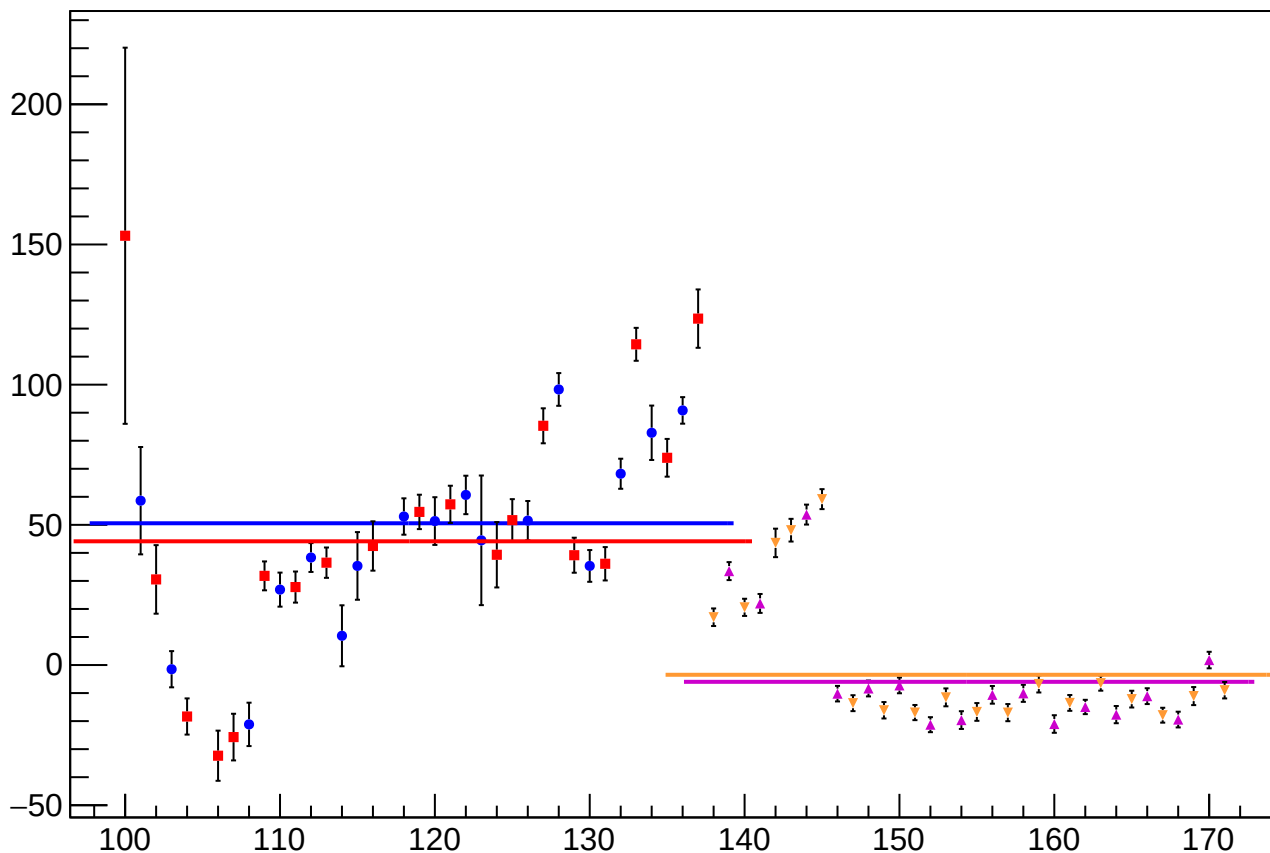
Right: 18.508 ± 0.628 χ^2/NDF : 403.9/35

In: 11.358 ± 0.470 χ^2/NDF : 391.8/32

Out: 11.701 ± 0.446 χ^2/NDF : 412.1/36

All: 11.539 ± 0.323 χ^2/NDF : 804.2/69

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: -3.476 $\pm$ 0.724 χ^2 /NDF: 824.0/17

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

Left In: -5.989 $\pm$ 0.741 χ^2 /NDF: 643.0/15

Left: -4.703 $\pm$ 0.518 χ^2 /NDF: 1472.9/33

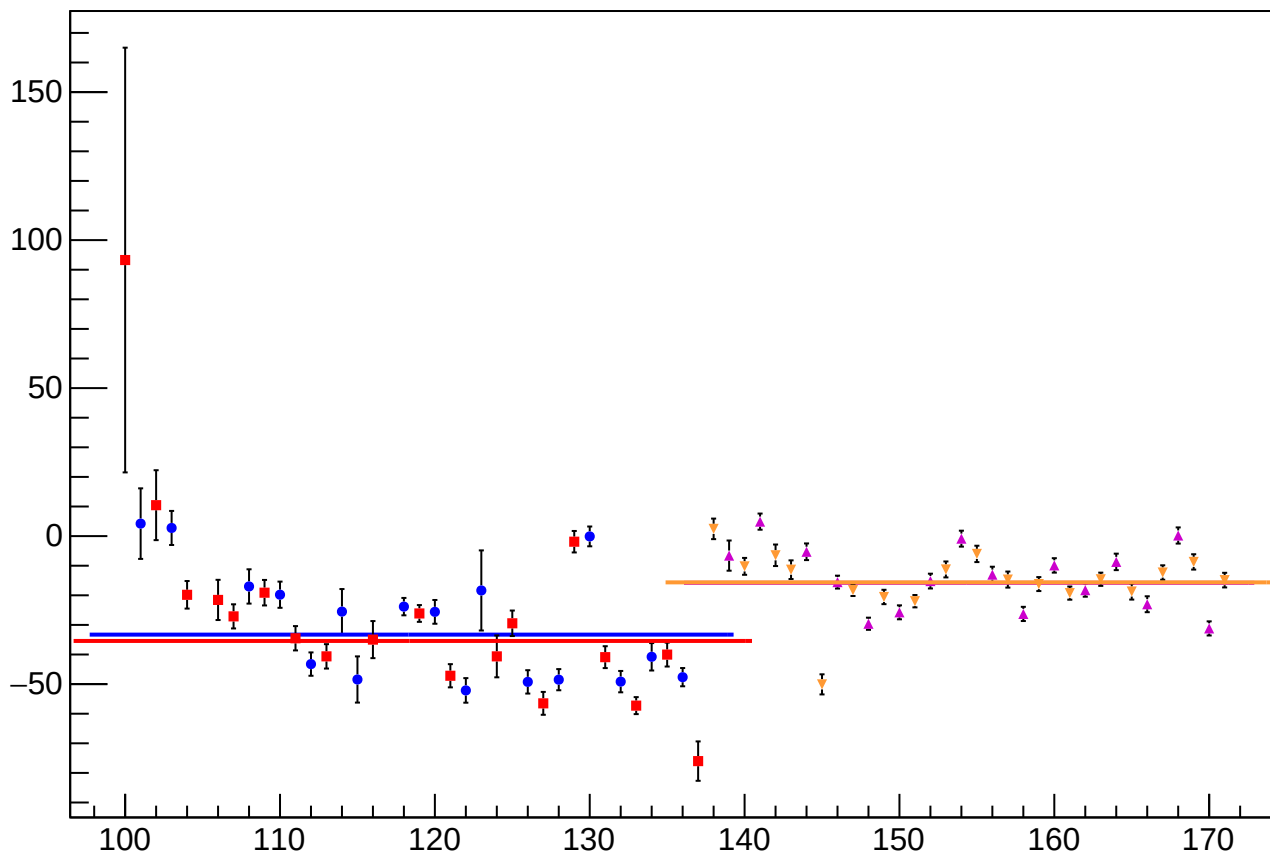
Right: 47.201 $\pm$ 1.159 χ^2 /NDF: 898.2/35

In: 3.240 $\pm$ 0.678 χ^2 /NDF: 1951.9/32

Out: 4.588 $\pm$ 0.660 χ^2 /NDF: 2089.6/36

All: 3.932 $\pm$ 0.473 χ^2 /NDF: 4043.6/69

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -15.627 ± 0.606 χ^2/NDF : 185.1/17

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

Left In: -15.783 ± 0.634 χ^2/NDF : 285.5/15

Left: -15.701 ± 0.438 χ^2/NDF : 470.6/33

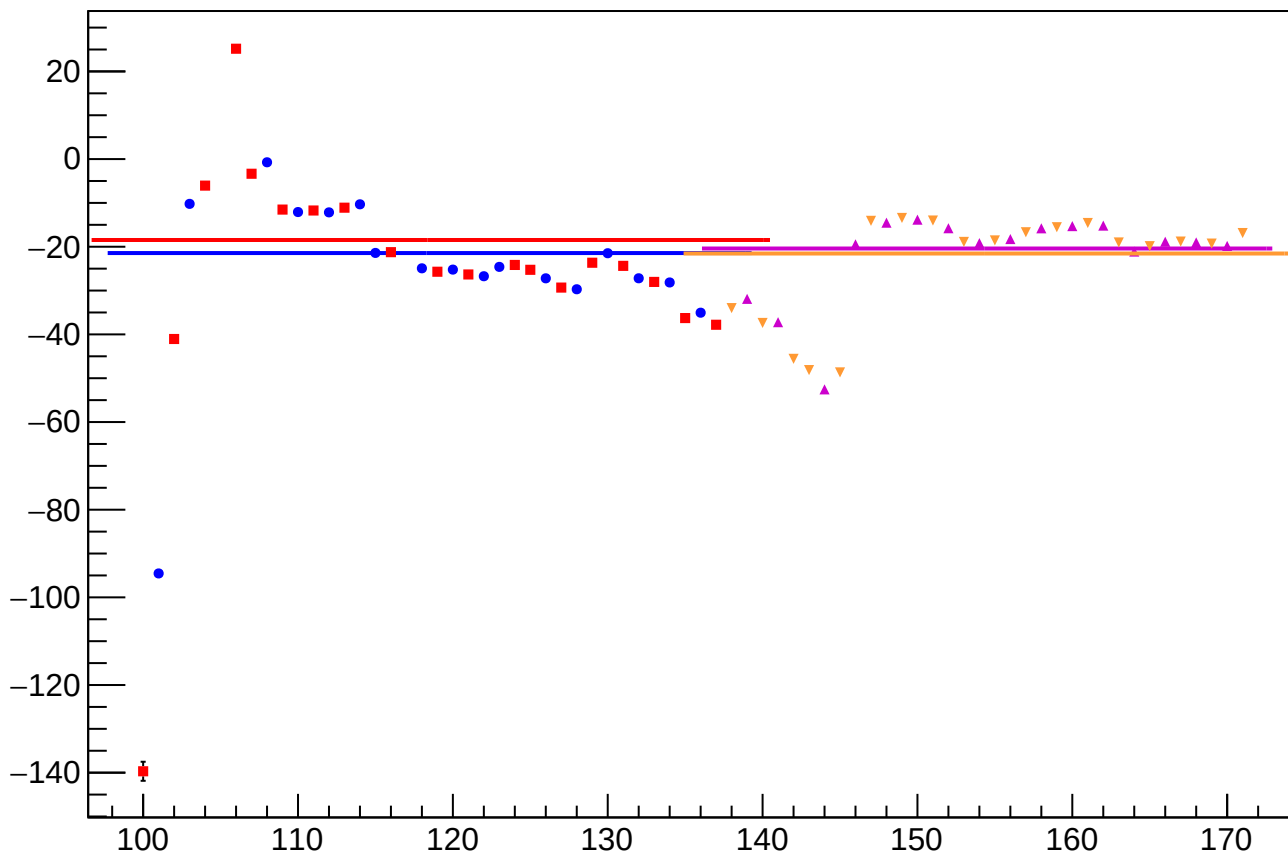
Right: -34.404 ± 0.719 χ^2/NDF : 582.0/35

In: -20.502 ± 0.542 χ^2/NDF : 780.9/32

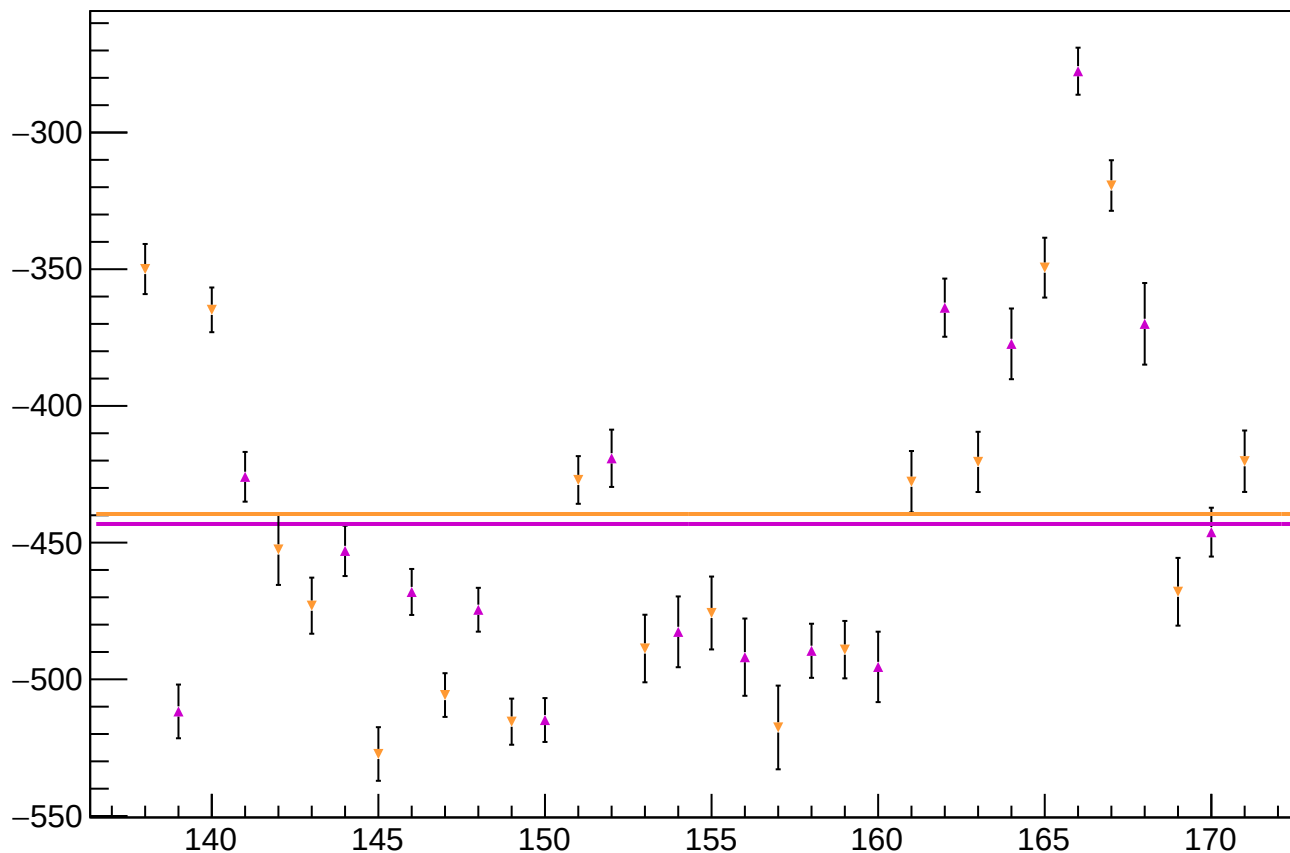
Out: -21.011 ± 0.517 χ^2/NDF : 764.9/36

All: -20.769 ± 0.374 χ^2/NDF : 1546.3/69

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -439.532+/-2.413 χ^2/NDF : 742.9/17

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

Left In: -443.184+/-2.491 χ^2/NDF : 698.0/15

Left: -441.300+/-1.733 χ^2/NDF : 1442.0/33

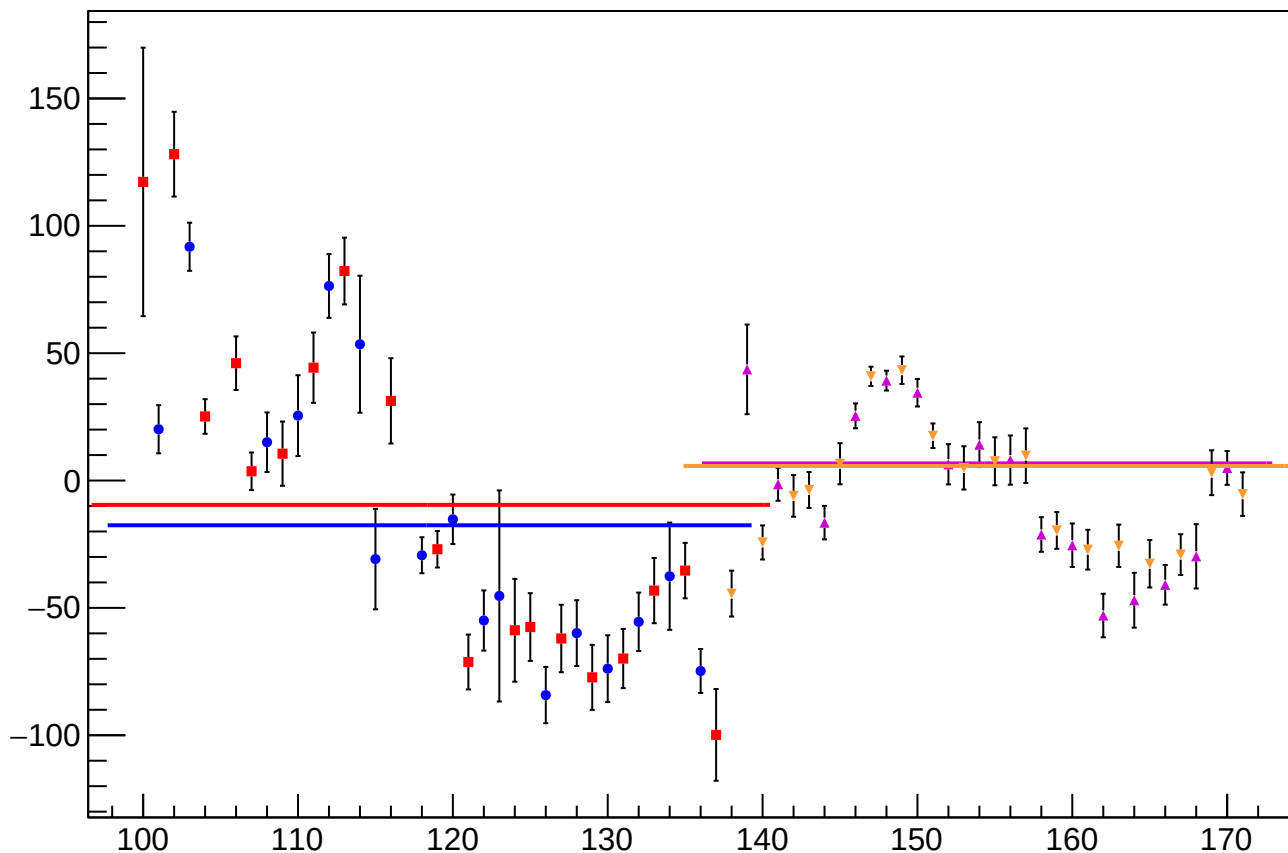
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -443.184+/-2.491 χ^2/NDF : 698.0/15

Out: -439.532+/-2.413 χ^2/NDF : 742.9/17

All: -441.300+/-1.733 χ^2/NDF : 1442.0/33

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: 5.741 ± 1.644 $\chi^2/\text{NDF}: 278.0/17$

Right Out: -9.547 ± 2.609 $\chi^2/\text{NDF}: 370.3/18$

Left In: 6.711 ± 1.727 $\chi^2/\text{NDF}: 280.9/15$

Left: 6.203 ± 1.191 $\chi^2/\text{NDF}: 559.1/33$

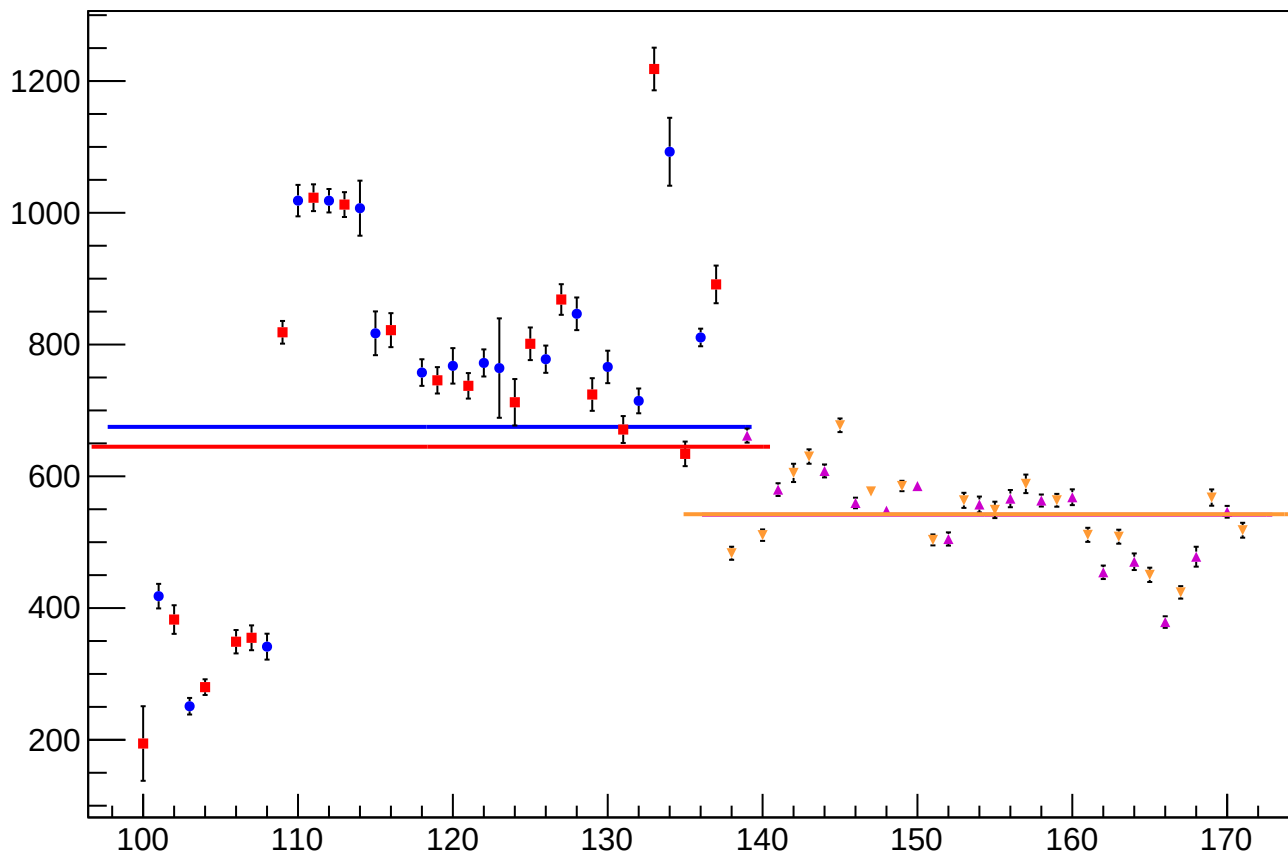
Right: -13.243 ± 1.915 $\chi^2/\text{NDF}: 738.4/35$

In: 0.094 ± 1.473 $\chi^2/\text{NDF}: 698.5/32$

Out: 1.396 ± 1.391 $\chi^2/\text{NDF}: 672.8/36$

All: 0.782 ± 1.011 $\chi^2/\text{NDF}: 1371.8/69$

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: 542.457 $\pm$ 2.384 χ^2 /NDF: 651.9/17

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

Left In: 541.754 $\pm$ 2.439 χ^2 /NDF: 725.3/15

Left: 542.113 $\pm$ 1.705 χ^2 /NDF: 1377.2/33

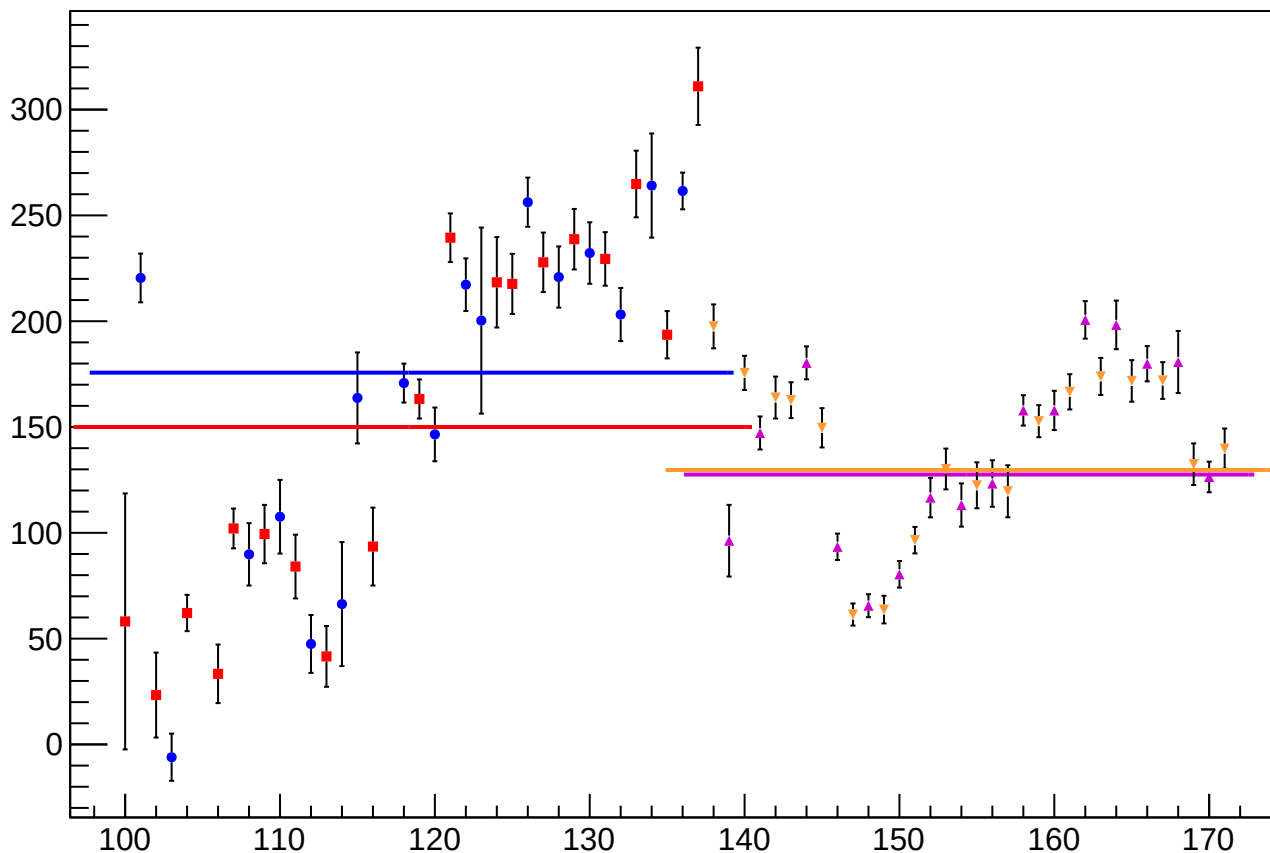
Right: 659.042 $\pm$ 3.470 χ^2 /NDF: 5725.3/35

In: 566.818 $\pm$ 2.197 χ^2 /NDF: 3871.4/32

Out: 562.998 $\pm$ 2.132 χ^2 /NDF: 4144.3/36

All: 564.851 $\pm$ 1.530 χ^2 /NDF: 8017.2/69

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686+/-3.239 χ^2/NDF : 637.9/16

Left Out: 129.698+/-1.955 χ^2/NDF : 506.6/17

Right Out: 150.017+/-3.042 χ^2/NDF : 693.8/18

Left In: 127.539+/-2.040 χ^2/NDF : 462.7/15

Left: 128.665+/-1.411 χ^2/NDF : 969.8/33

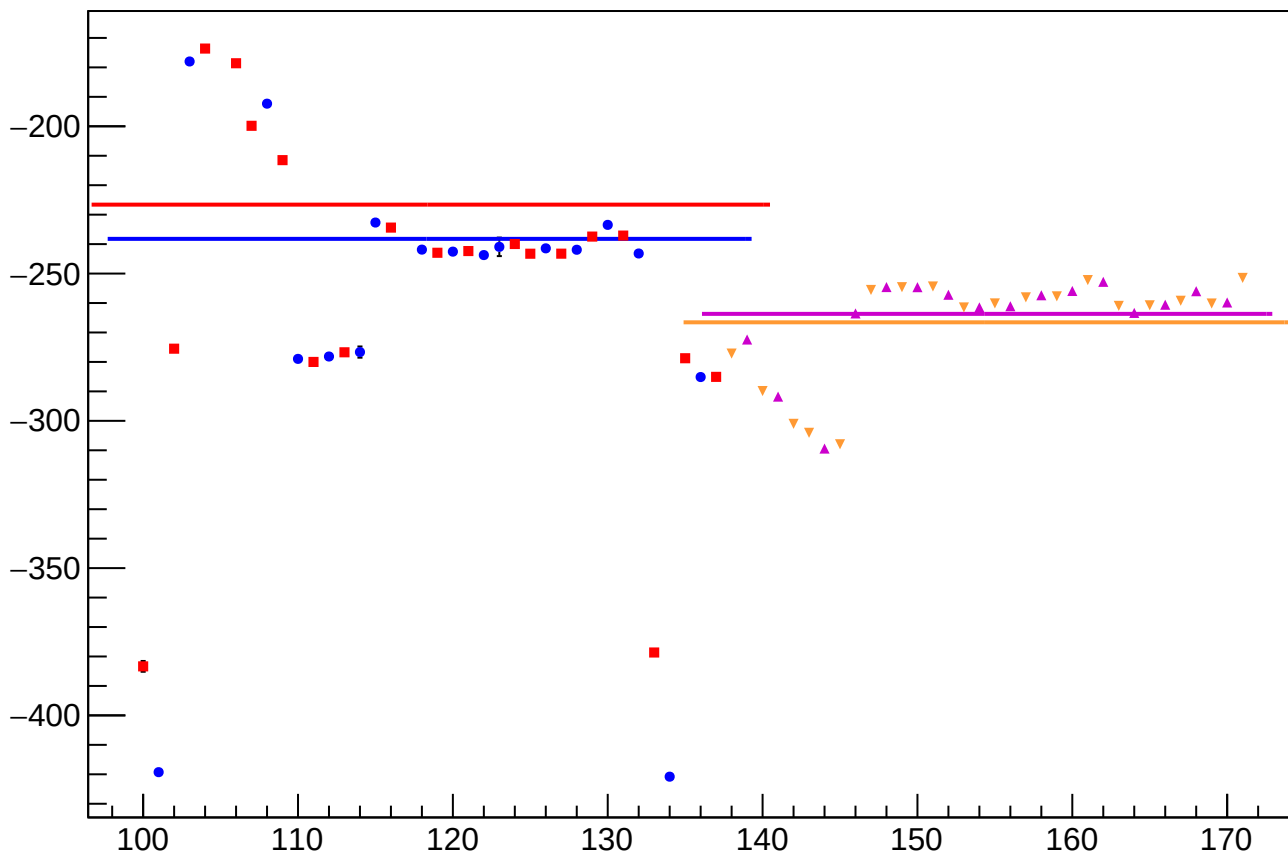
Right: 162.048+/-2.217 χ^2/NDF : 1365.0/35

In: 141.218+/-1.726 χ^2/NDF : 1258.8/32

Out: 135.636+/-1.644 χ^2/NDF : 1231.9/36

All: 138.291+/-1.191 χ^2/NDF : 2496.2/69

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -266.551+/-0.095 χ^2/NDF : 34123.0/17

Right Out: -226.597+/-0.151 χ^2/NDF : 102562.3/18

Left In: -263.683+/-0.097 χ^2/NDF : 20710.7/15

Left: -265.146+/-0.068 χ^2/NDF : 55278.5/33

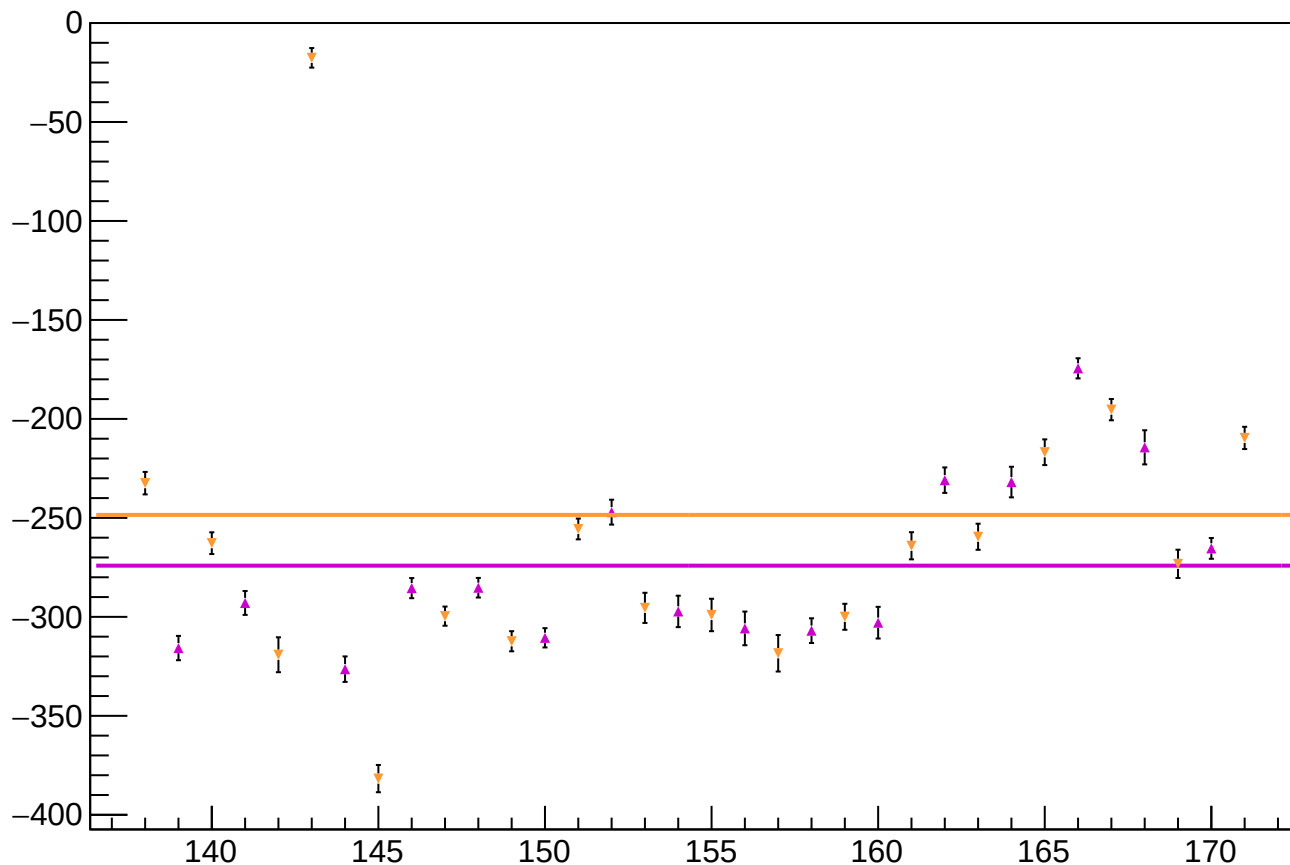
Right: -232.063+/-0.110 χ^2/NDF : 272459.7/35

In: -256.854+/-0.083 χ^2/NDF : 206264.6/32

Out: -255.217+/-0.081 χ^2/NDF : 186685.3/36

All: -256.010+/-0.058 χ^2/NDF : 393149.8/69

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: -248.490+/-1.447 χ^2/NDF :3287.3/17

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

Left In: -274.128+/-1.534 χ^2/NDF :778.8/15

Left: -260.566+/-1.053 χ^2/NDF : 4213.8/33

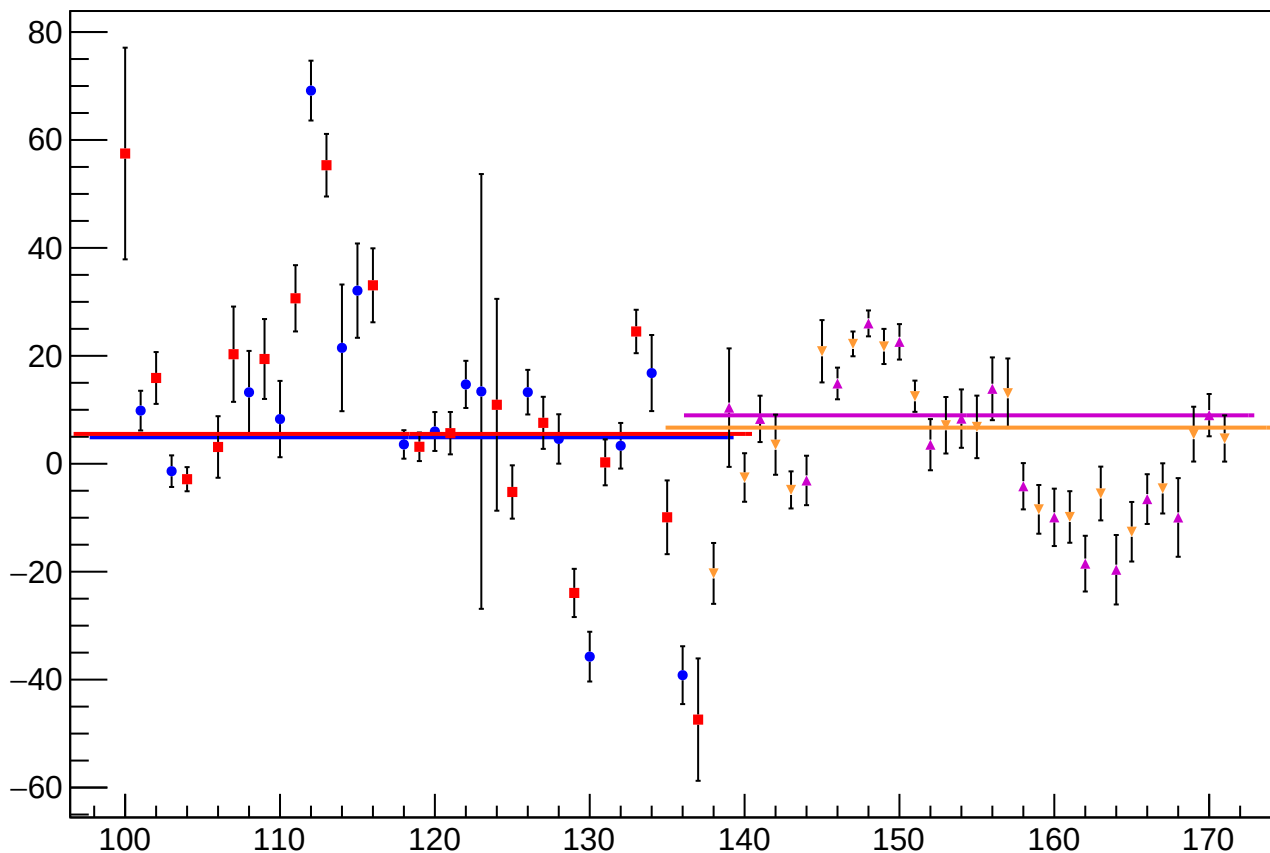
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -274.128+/-1.534 χ^2/NDF :778.8/15

Out: -248.490+/-1.447 χ^2/NDF :3287.3/17

All: -260.566+/-1.053 χ^2/NDF : 4213.8/33

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 6.698 ± 0.987 χ^2/NDF : 164.5/17

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

Left In: 8.973 ± 1.064 χ^2/NDF : 168.8/15

Left: 7.749 ± 0.724 χ^2/NDF : 335.7/33

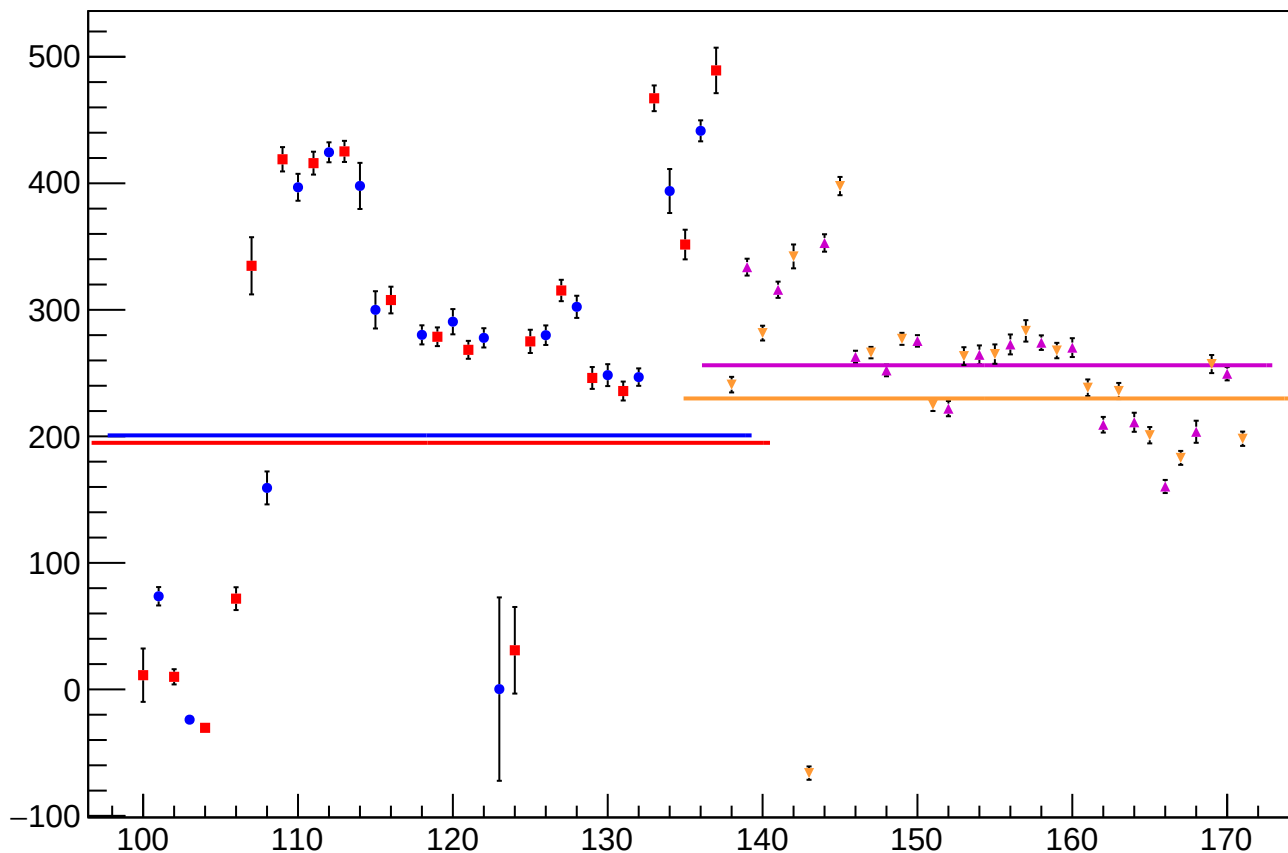
Right: 5.228 ± 0.768 χ^2/NDF : 550.7/35

In: 7.016 ± 0.767 χ^2/NDF : 487.5/32

Out: 6.160 ± 0.725 χ^2/NDF : 404.0/36

All: 6.564 ± 0.527 χ^2/NDF : 892.1/69

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: 229.950 $\pm$ 1.430 χ^2 /NDF:4334.8/17

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

Left In: 256.189 $\pm$ 1.499 χ^2 /NDF:963.9/15

Left: 242.456 $\pm$ 1.035 χ^2 /NDF: 5459.1/33

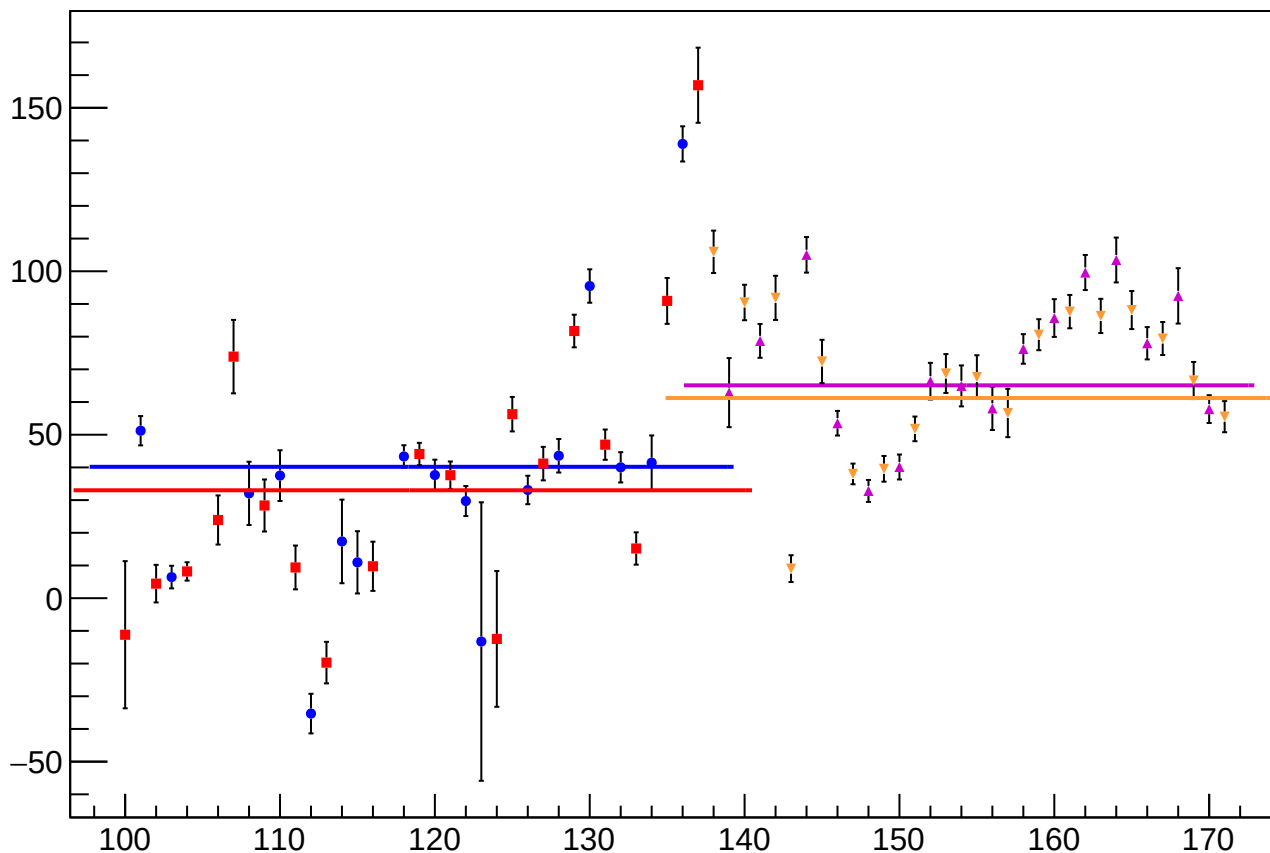
Right: 197.743 $\pm$ 1.381 χ^2 /NDF: 14984.6/35

In: 236.044 $\pm$ 1.196 χ^2 /NDF:8193.8/32

Out: 217.470 $\pm$ 1.148 χ^2 /NDF:12795.8/36

All: 226.377 $\pm$ 0.828 χ^2 /NDF: 21115.2/69

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: 61.224 $\pm$ 1.171 χ^2 /NDF:457.9/17

Right Out: 33.006 $\pm$ 1.250 χ^2 /NDF: 552.7/18

Left In: 65.104 $\pm$ 1.257 χ^2 /NDF:318.4/15

Left: 63.028 $\pm$ 0.857 χ^2 /NDF: 781.4/33

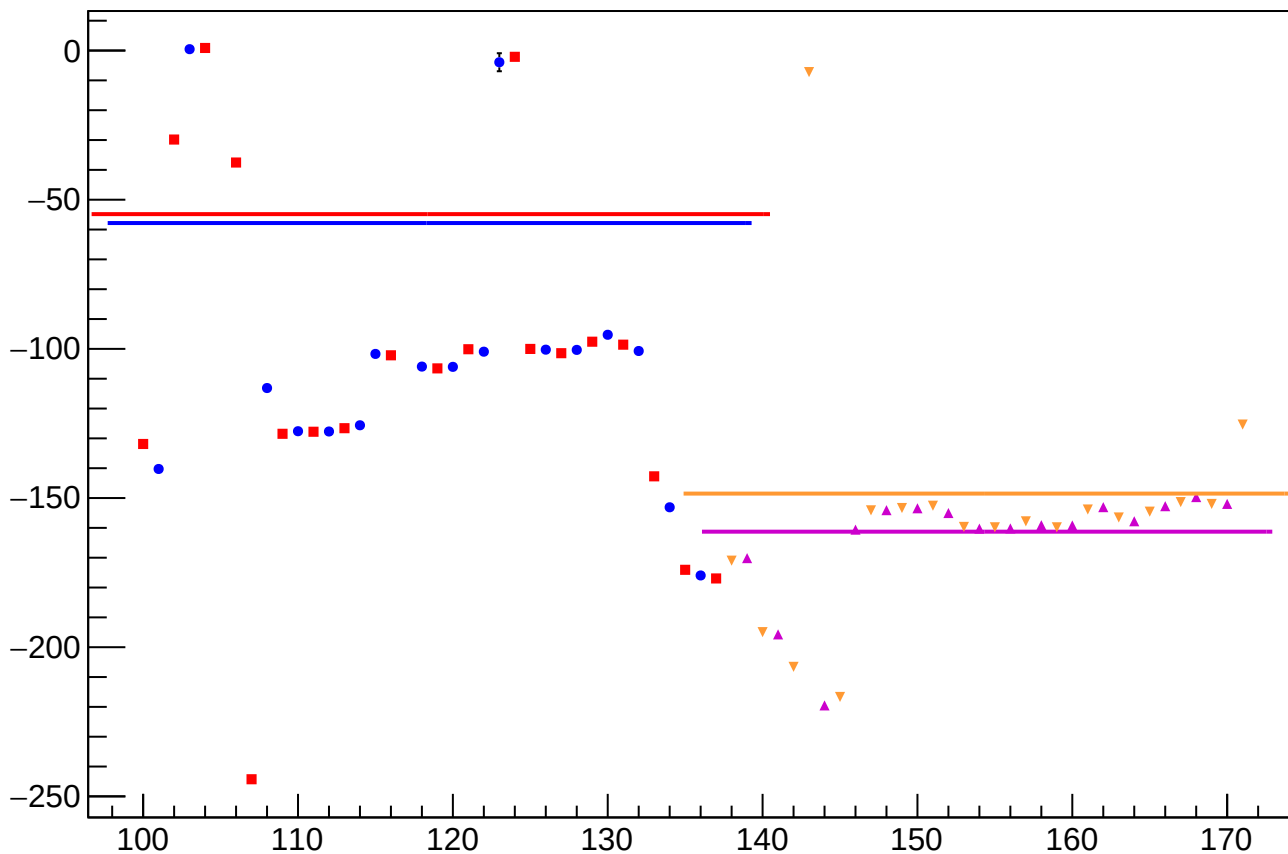
Right: 36.503 $\pm$ 0.896 χ^2 /NDF: 1303.3/35

In: 52.906 $\pm$ 0.898 χ^2 /NDF:1245.5/32

Out: 48.034 $\pm$ 0.855 χ^2 /NDF:1281.8/36

All: 50.351 $\pm$ 0.619 χ^2 /NDF: 2542.8/69

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: -148.508 ± 0.057 $\chi^2/\text{NDF}: 594399.1/17$

Right Out: -54.833 ± 0.060 $\chi^2/\text{NDF}: 1000741.7/18$

Left In: -161.273 ± 0.060 $\chi^2/\text{NDF}: 66277.5/15$

Left: -154.587 ± 0.041 $\chi^2/\text{NDF}: 684657.1/33$

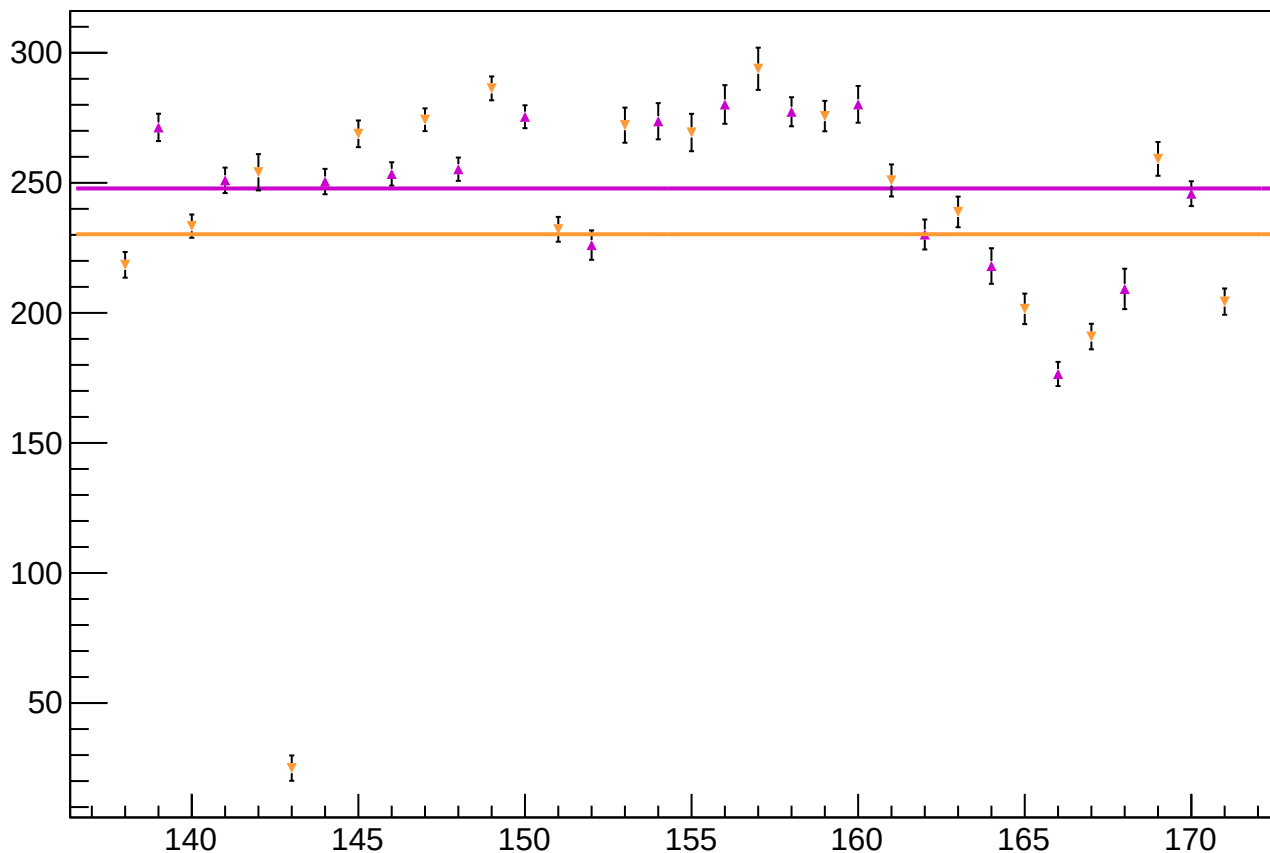
Right: -56.289 ± 0.043 $\chi^2/\text{NDF}: 2103236.7/35$

In: -111.358 ± 0.043 $\chi^2/\text{NDF}: 2618295.8/32$

Out: -104.348 ± 0.041 $\chi^2/\text{NDF}: 2873631.2/36$

All: -107.723 ± 0.030 $\chi^2/\text{NDF}: 5505763.0/69$

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: 230.244+/-1.281 χ^2/NDF :2439.4/17

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

Left In: 247.836+/-1.347 χ^2/NDF :449.0/15

Left: 238.597+/-0.928 χ^2/NDF : 2977.9/33

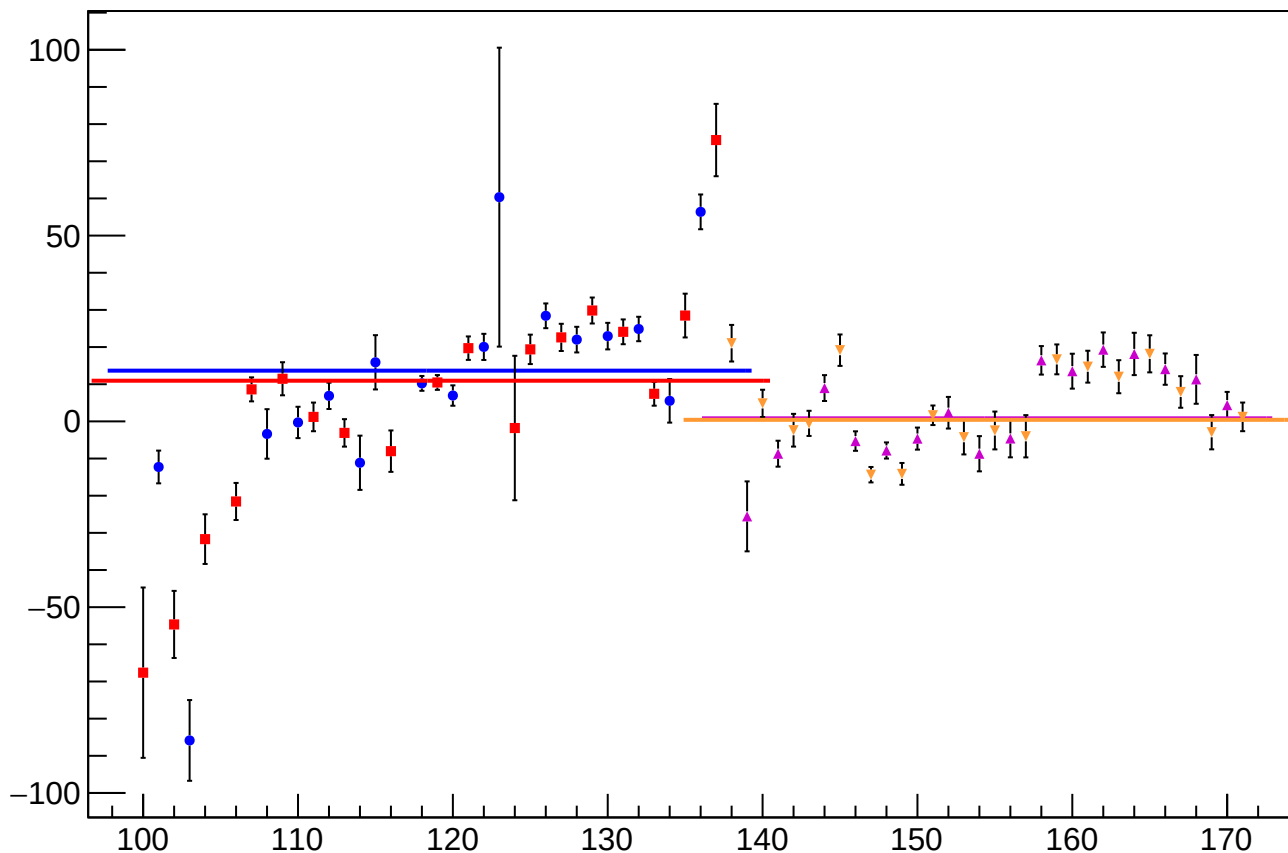
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 247.836+/-1.347 χ^2/NDF :449.0/15

Out: 230.244+/-1.281 χ^2/NDF :2439.4/17

All: 238.597+/-0.928 χ^2/NDF : 2977.9/33

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: 0.417 ± 0.879 χ^2/NDF : 167.0/17

Right Out: 10.944 ± 0.913 χ^2/NDF : 302.5/18

Left In: 0.820 ± 0.939 χ^2/NDF : 113.2/15

Left: 0.605 ± 0.642 χ^2/NDF : 280.3/33

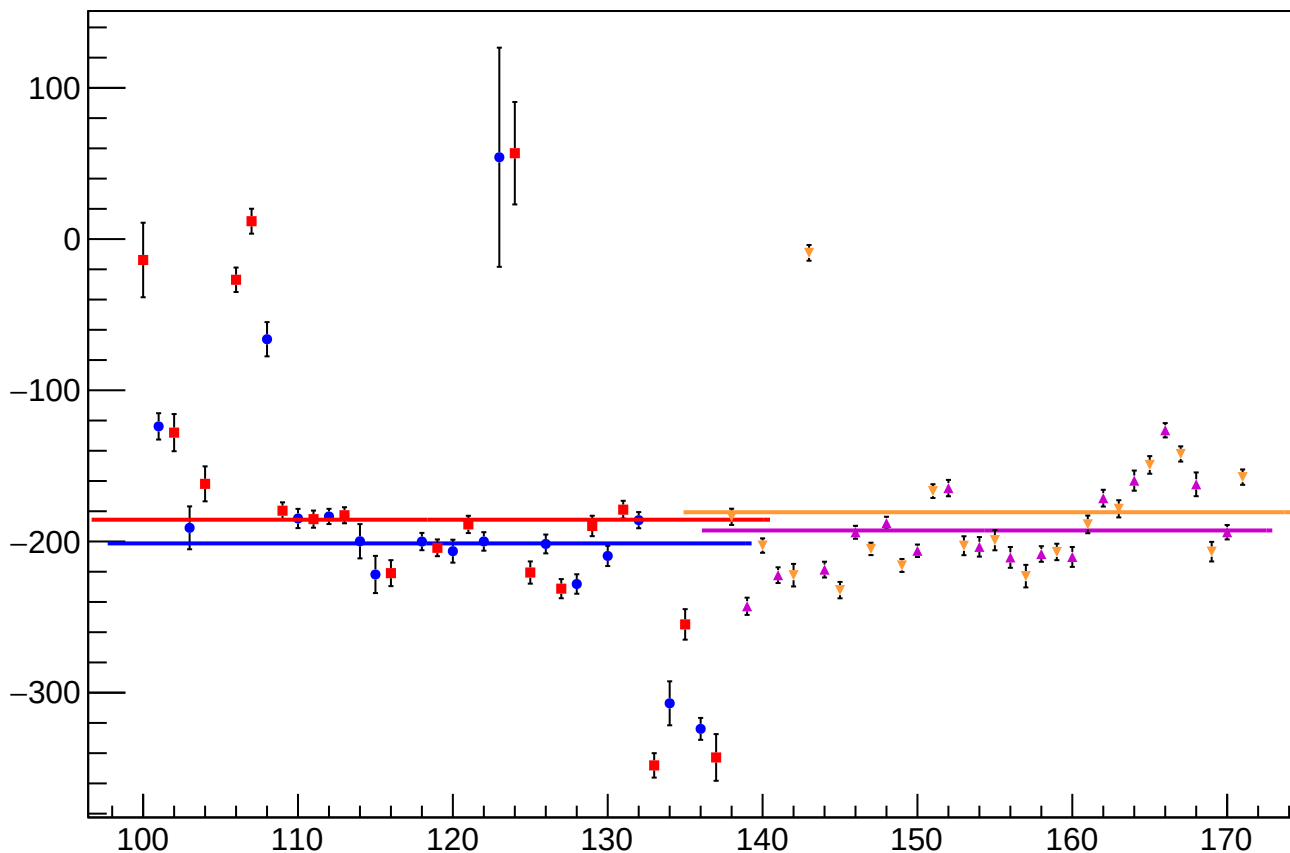
Right: 12.264 ± 0.654 χ^2/NDF : 600.9/35

In: 7.255 ± 0.663 χ^2/NDF : 500.9/32

Out: 5.478 ± 0.633 χ^2/NDF : 538.5/36

All: 6.326 ± 0.458 χ^2/NDF : 1043.2/69

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -180.642 ± 1.268 χ^2/NDF : 1545.9/17

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

Left In: -192.712 ± 1.320 χ^2/NDF : 448.9/15

Left: -186.436 ± 0.915 χ^2/NDF : 2038.3/33

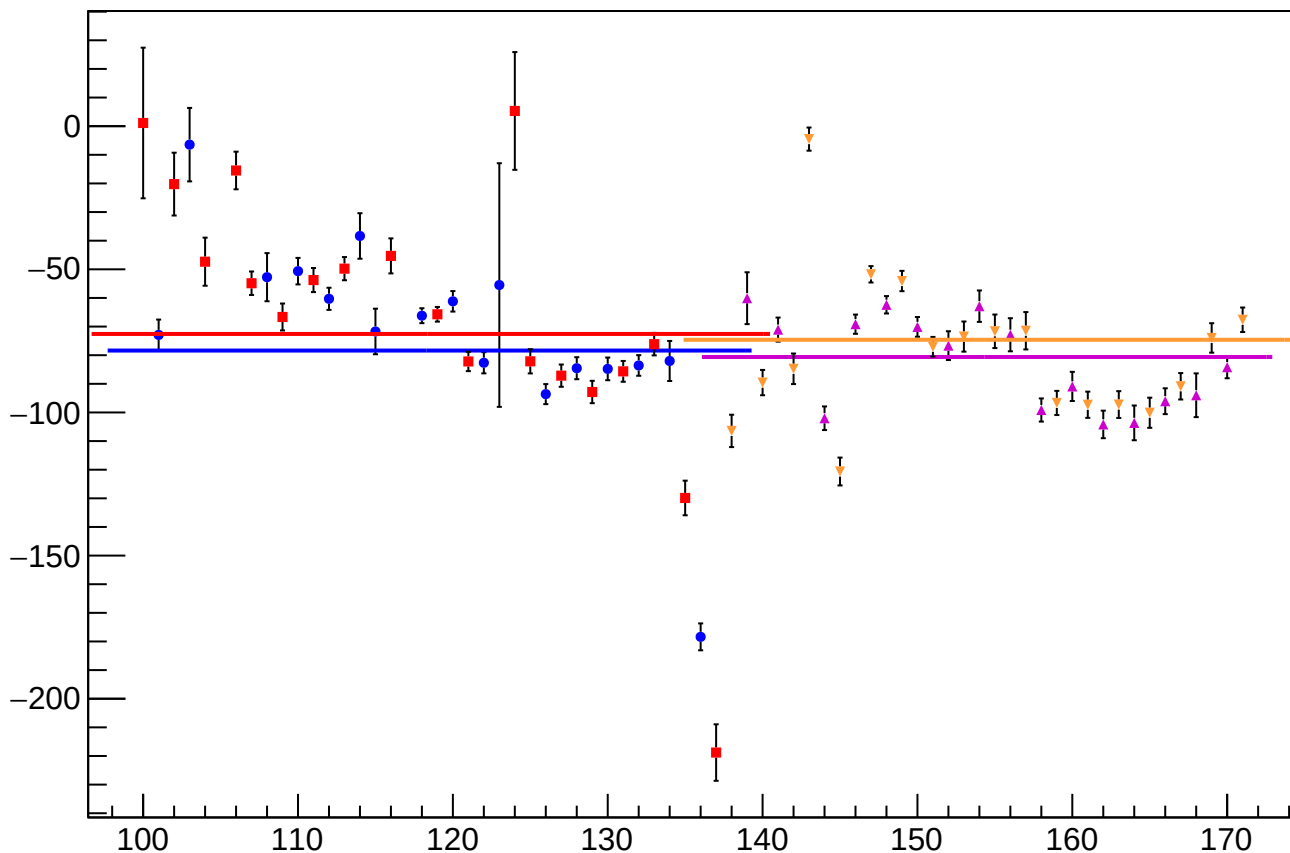
Right: -192.999 ± 1.234 χ^2/NDF : 2409.6/35

In: -195.714 ± 1.064 χ^2/NDF : 1087.0/32

Out: -182.414 ± 1.017 χ^2/NDF : 3297.4/36

All: -188.763 ± 0.735 χ^2/NDF : 4466.2/69

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: -74.612 ± 1.042 χ^2/NDF : 648.7/17

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

Left In: -80.625 ± 1.108 χ^2/NDF : 186.1/15

Left: -77.434 ± 0.759 χ^2/NDF : 850.4/33

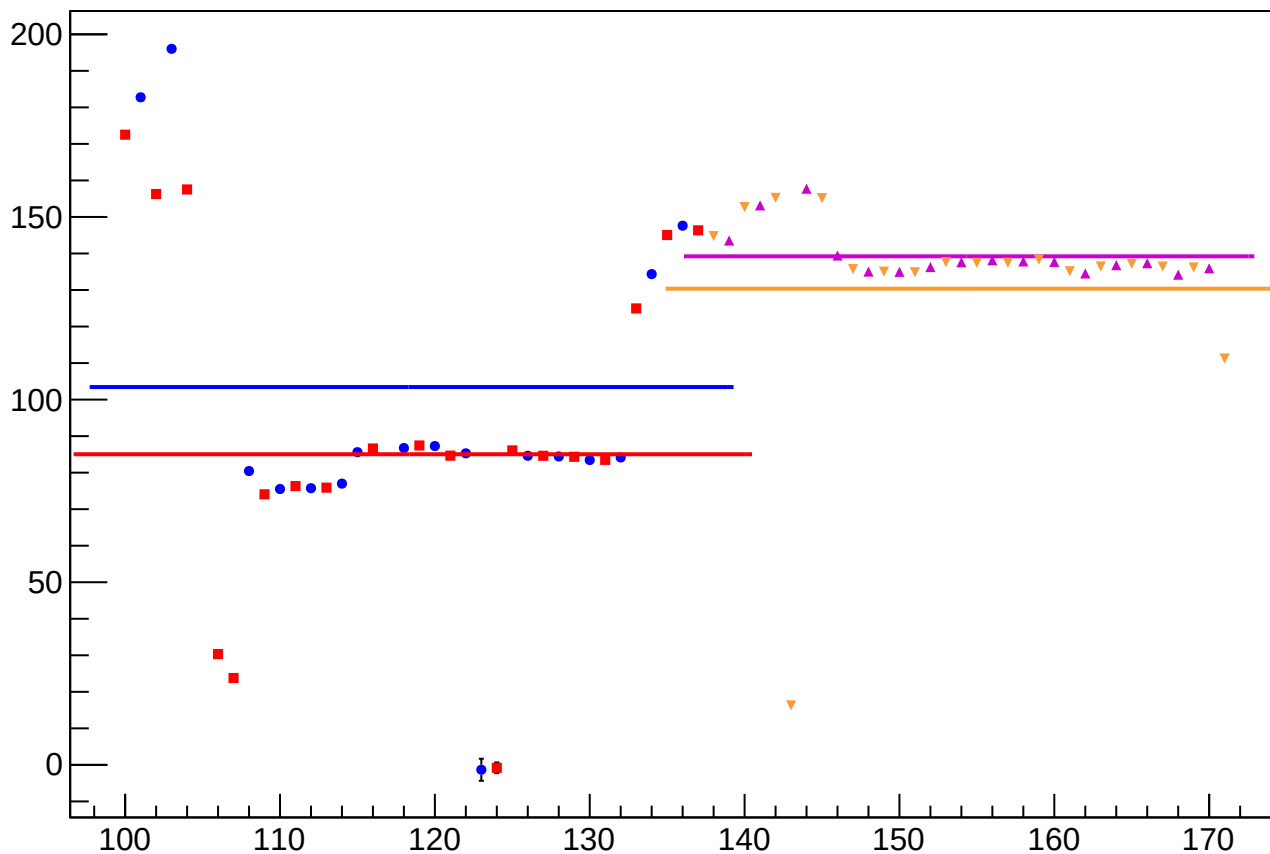
Right: -75.395 ± 0.754 χ^2/NDF : 1272.0/35

In: -79.473 ± 0.774 χ^2/NDF : 839.6/32

Out: -73.604 ± 0.740 χ^2/NDF : 1256.4/36

All: -76.408 ± 0.535 χ^2/NDF : 2126.1/69

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 ± 0.071 $\chi^2/\text{NDF}: 272785.6/16$

Left Out: 130.365 ± 0.050 $\chi^2/\text{NDF}: 358608.3/17$

Right Out: 85.043 ± 0.064 $\chi^2/\text{NDF}: 422343.0/18$

Left In: 139.223 ± 0.053 $\chi^2/\text{NDF}: 14165.2/15$

Left: 134.609 ± 0.036 $\chi^2/\text{NDF}: 387562.5/33$

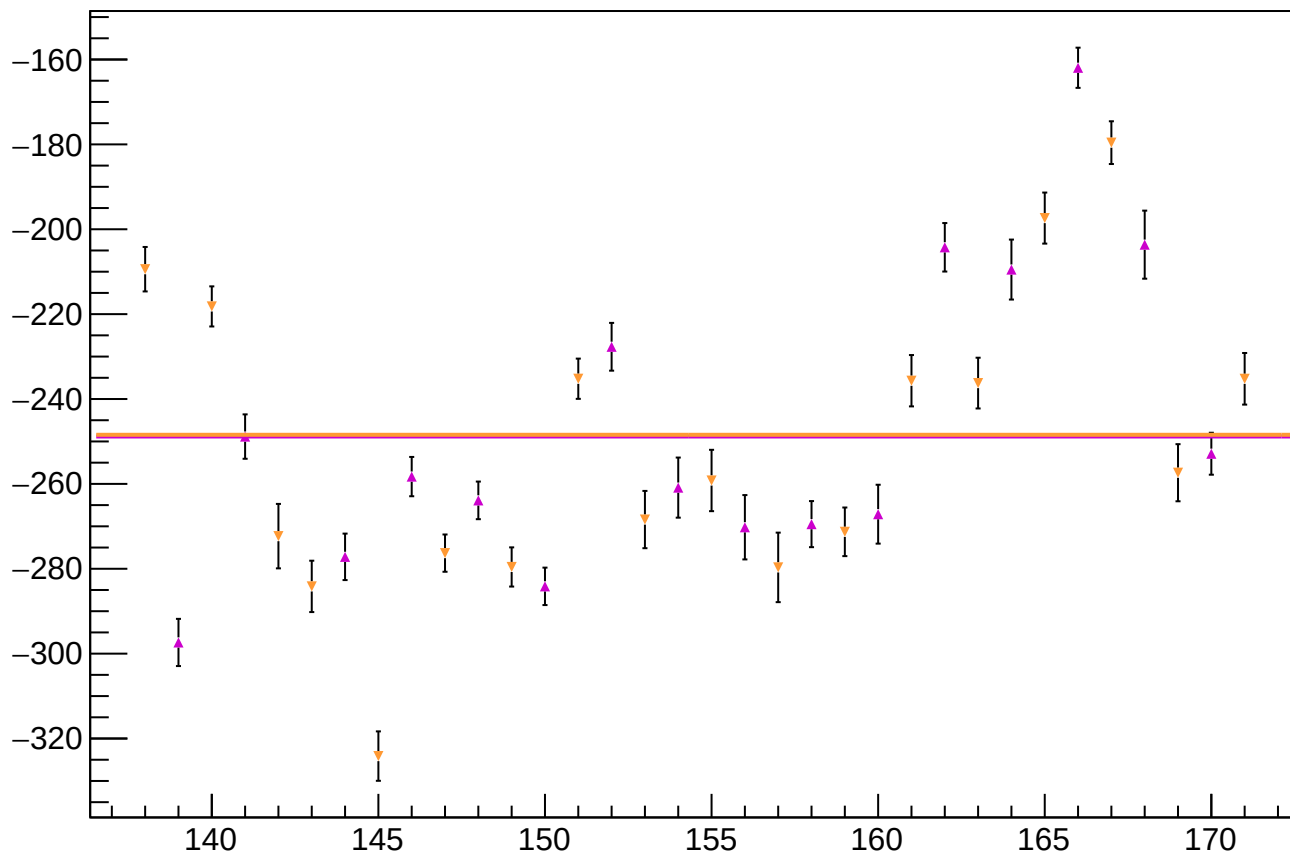
Right: 93.267 ± 0.047 $\chi^2/\text{NDF}: 732362.9/35$

In: 126.524 ± 0.042 $\chi^2/\text{NDF}: 451413.2/32$

Out: 112.921 ± 0.040 $\chi^2/\text{NDF}: 1091939.7/36$

All: 119.277 ± 0.029 $\chi^2/\text{NDF}: 1598645.6/69$

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: -248.429+/-1.340 χ^2/NDF : 719.2/17

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

Left In: -248.831+/-1.378 χ^2/NDF : 690.3/15

Left: -248.624+/-0.961 χ^2/NDF : 1409.5/33

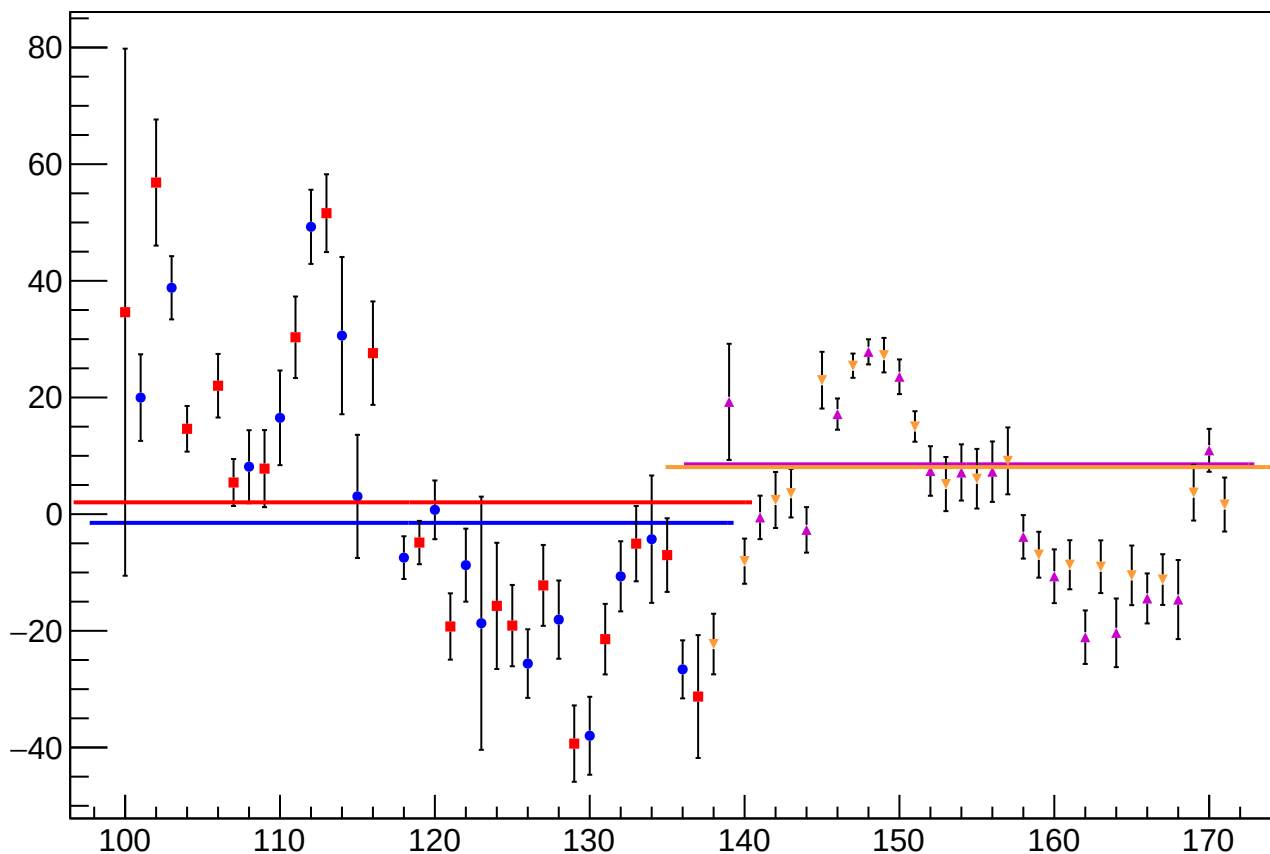
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -248.831+/-1.378 χ^2/NDF : 690.3/15

Out: -248.429+/-1.340 χ^2/NDF : 719.2/17

All: -248.624+/-0.961 χ^2/NDF : 1409.5/33

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 8.071 ± 0.911 χ^2/NDF : 263.2/17

Right Out: 2.028 ± 1.400 χ^2/NDF : 233.3/18

Left In: 8.541 ± 0.955 χ^2/NDF : 267.0/15

Left: 8.295 ± 0.659 χ^2/NDF : 530.4/33

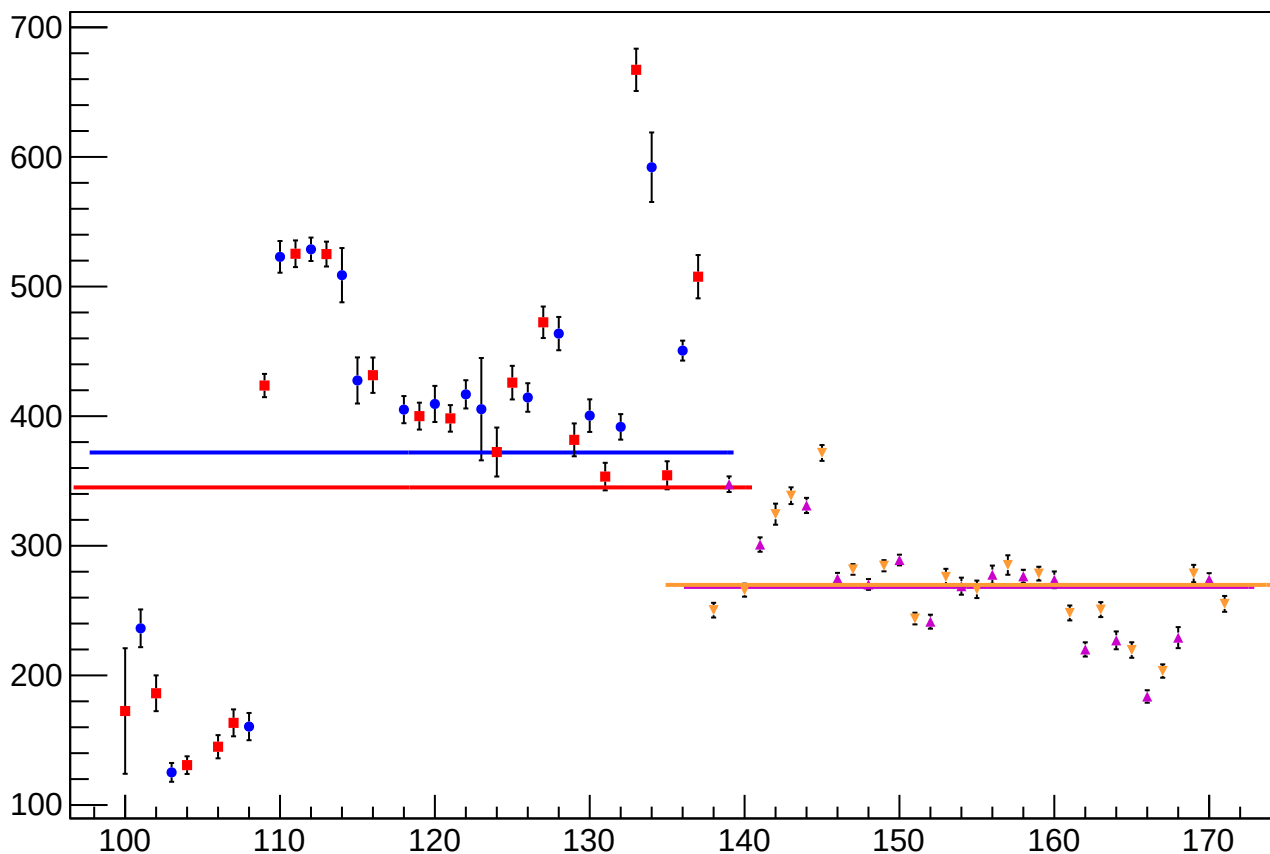
Right: 0.432 ± 1.035 χ^2/NDF : 462.1/35

In: 5.747 ± 0.811 χ^2/NDF : 523.8/32

Out: 6.273 ± 0.763 χ^2/NDF : 509.6/36

All: 6.026 ± 0.556 χ^2/NDF : 1033.6/69

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: 269.826 $\pm$ 1.320 χ^2 /NDF:779.1/17

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

Left In: 268.278 $\pm$ 1.346 χ^2 /NDF:824.7/15

Left: 269.067 $\pm$ 0.943 χ^2 /NDF: 1604.5/33

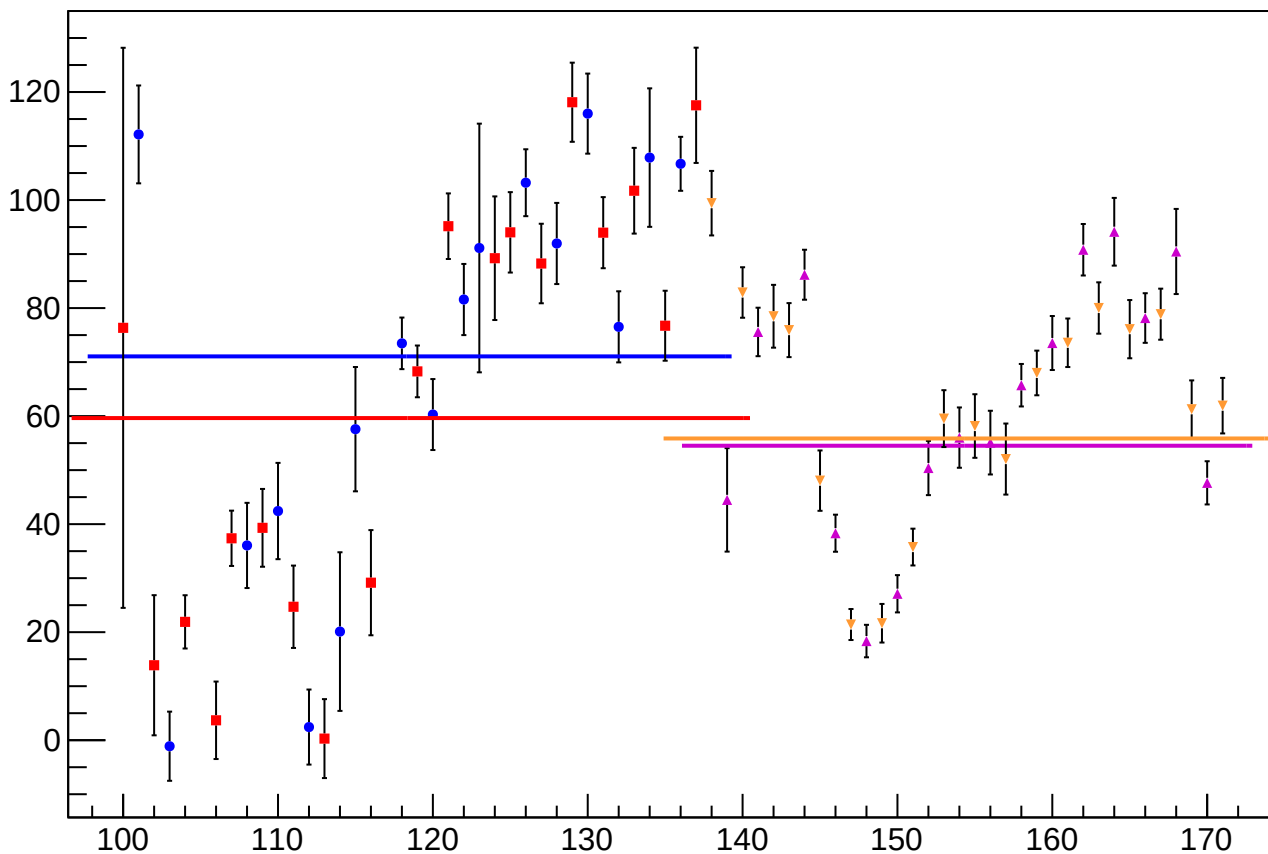
Right: 357.423 $\pm$ 1.883 χ^2 /NDF: 5898.6/35

In: 288.008 $\pm$ 1.212 χ^2 /NDF:4385.9/32

Out: 285.610 $\pm$ 1.174 χ^2 /NDF:4875.3/36

All: 286.771 $\pm$ 0.843 χ^2 /NDF: 9263.2/69

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: 55.860 $\pm$ 1.082 χ^2 /NDF:481.5/17

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

Left In: 54.517 $\pm$ 1.127 χ^2 /NDF:471.4/15

Left: 55.216 $\pm$ 0.781 χ^2 /NDF: 953.6/33

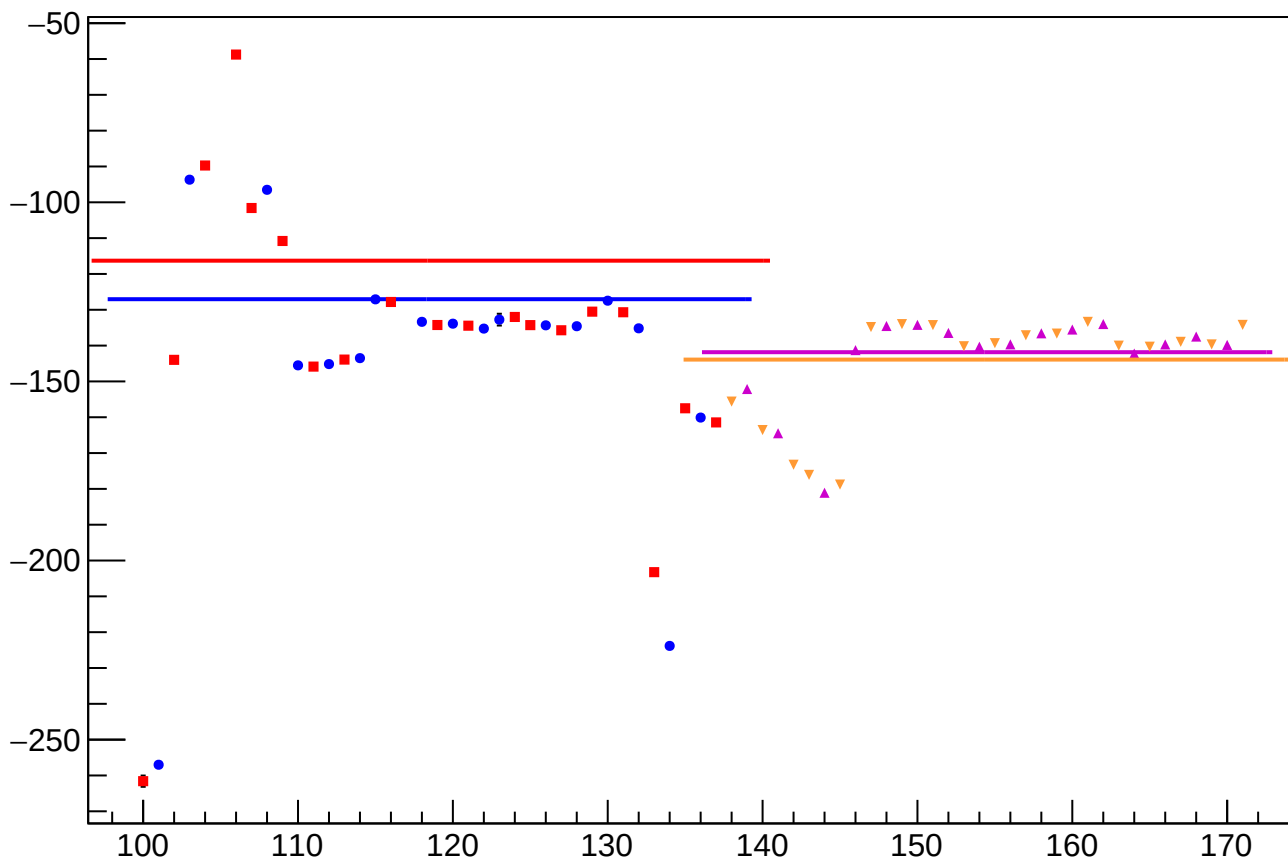
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 59.311 $\pm$ 0.950 χ^2 /NDF:960.0/32

Out: 57.015 $\pm$ 0.902 χ^2 /NDF:976.8/36

All: 58.103 $\pm$ 0.654 χ^2 /NDF: 1939.9/69

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -143.907 ± 0.053 $\chi^2/\text{NDF}: 71012.2/17$

Right Out: -116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

Left In: -141.842 ± 0.054 $\chi^2/\text{NDF}: 43571.4/15$

Left: -142.893 ± 0.038 $\chi^2/\text{NDF}: 115339.9/33$

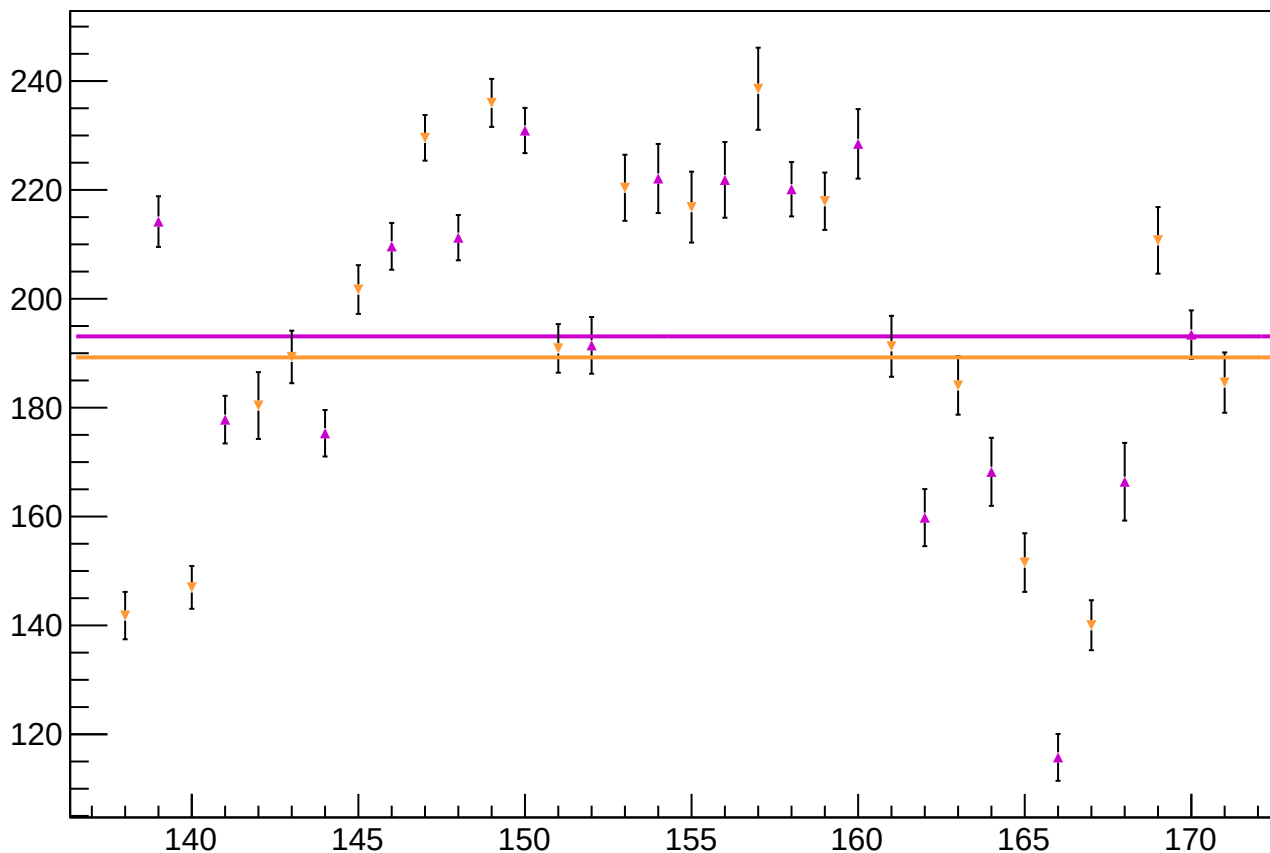
Right: -121.250 ± 0.061 $\chi^2/\text{NDF}: 341860.6/35$

In: -137.958 ± 0.046 $\chi^2/\text{NDF}: 230607.4/32$

Out: -135.989 ± 0.044 $\chi^2/\text{NDF}: 317087.7/36$

All: -136.940 ± 0.032 $\chi^2/\text{NDF}: 548642.3/69$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 189.237 $\pm$ 1.189 χ^2/NDF : 744.2/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 193.095 $\pm$ 1.235 χ^2/NDF : 658.1/15

Left: 191.093 $\pm$ 0.856 χ^2/NDF : 1407.4/33

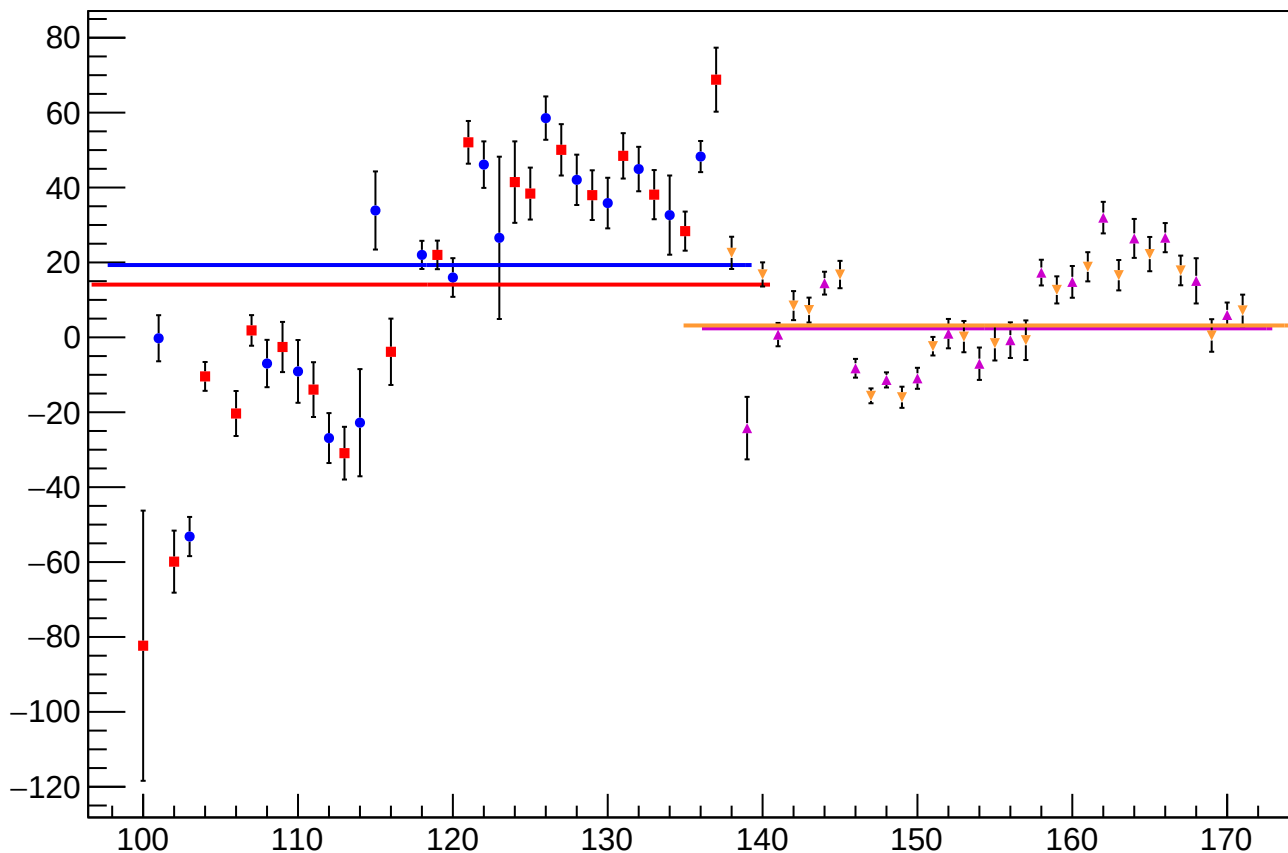
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 193.095 $\pm$ 1.235 χ^2/NDF : 658.1/15

Out: 189.237 $\pm$ 1.189 χ^2/NDF : 744.2/17

All: 191.093 $\pm$ 0.856 χ^2/NDF : 1407.4/33

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 3.170 ± 0.820 χ^2/NDF : 264.6/17

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

Left In: 2.403 ± 0.864 χ^2/NDF : 261.0/15

Left: 2.807 ± 0.595 χ^2/NDF : 526.0/33

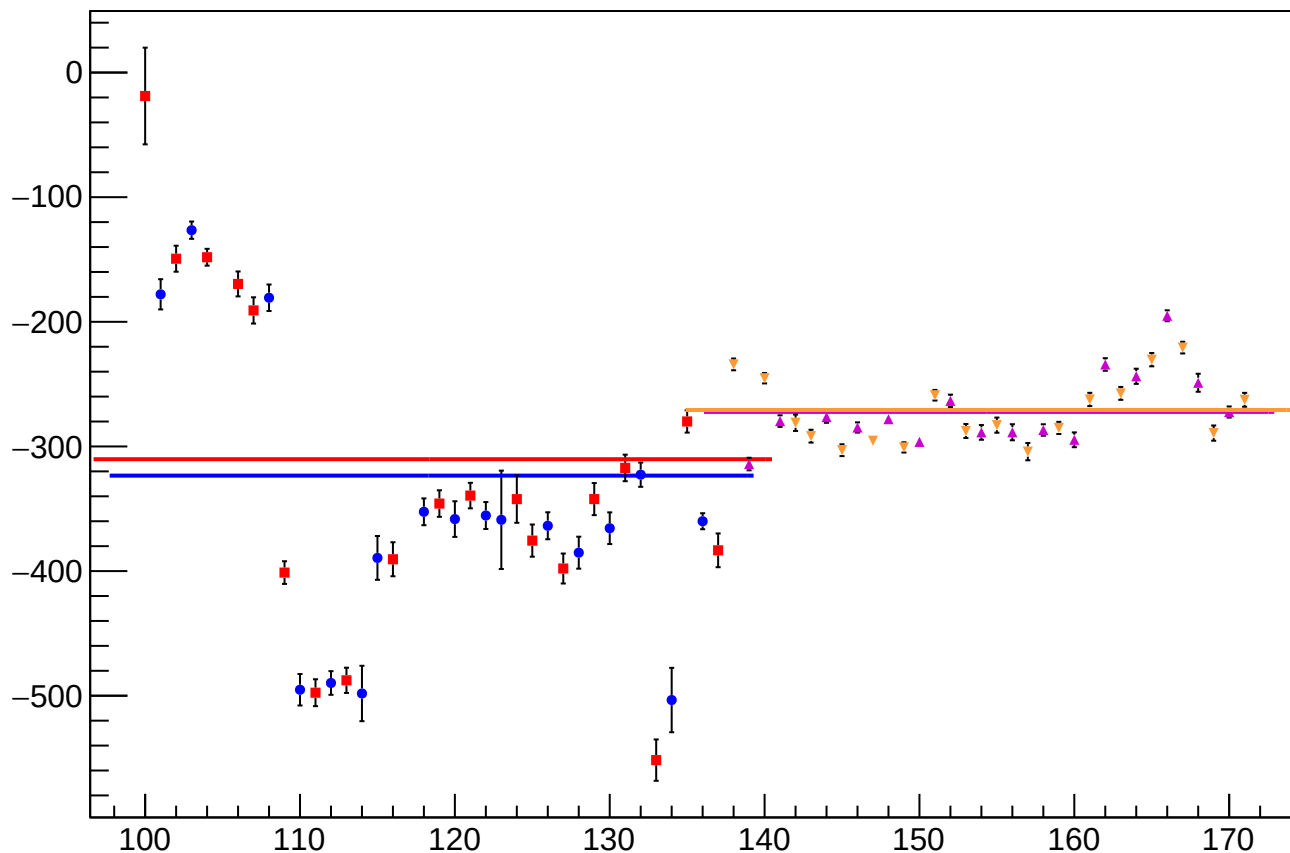
Right: 16.496 ± 1.020 χ^2/NDF : 884.7/35

In: 6.617 ± 0.749 χ^2/NDF : 797.5/32

Out: 5.987 ± 0.706 χ^2/NDF : 747.2/36

All: 6.283 ± 0.514 χ^2/NDF : 1545.1/69

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 2.684 χ^2/NDF : 1849.6/16

Left Out: -270.743 $\pm$ 1.179 χ^2/NDF : 498.8/17

Right Out: -310.236 $\pm$ 2.523 χ^2/NDF : 2298.8/18

Left In: -272.281 $\pm$ 1.212 χ^2/NDF : 562.7/15

Left: -271.491 $\pm$ 0.845 χ^2/NDF : 1062.3/33

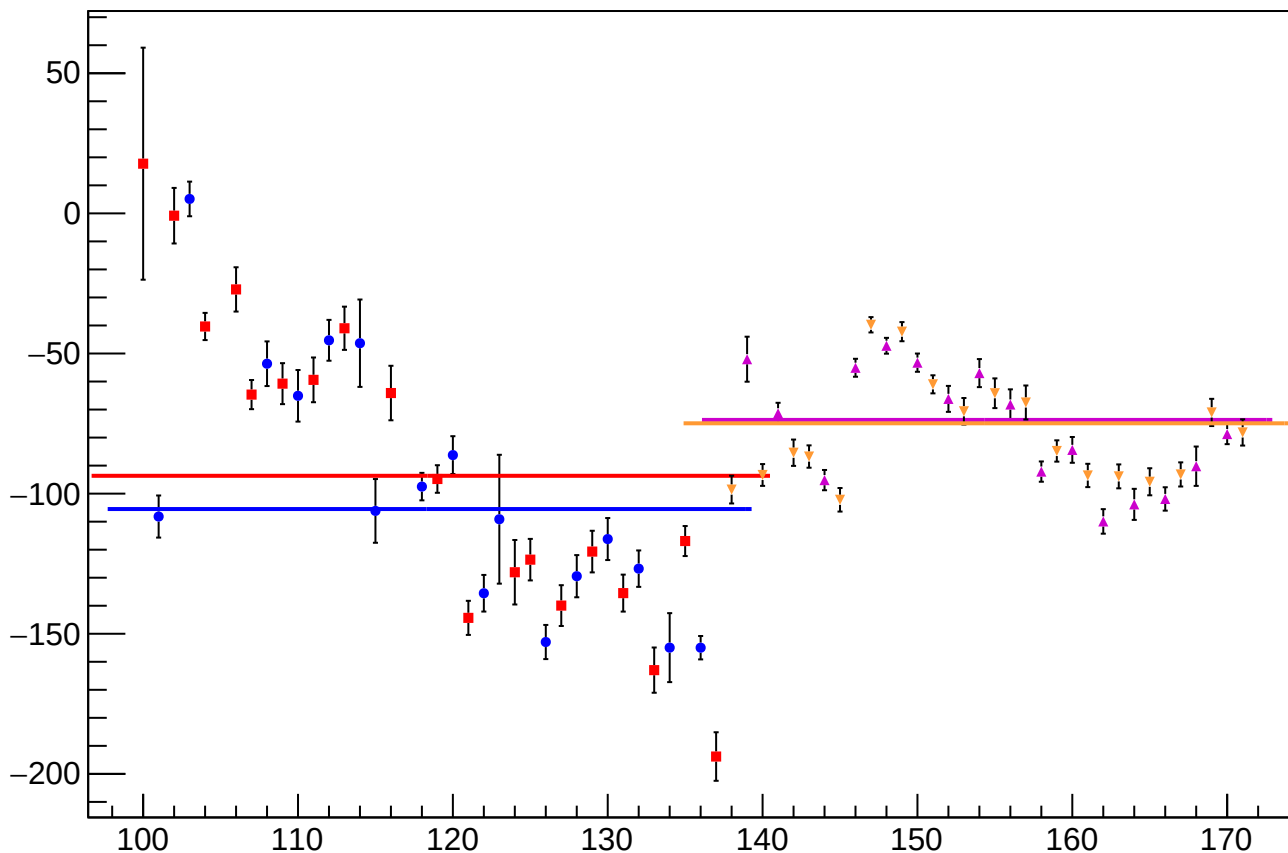
Right: -316.413 $\pm$ 1.838 χ^2/NDF : 4161.2/35

In: -280.938 $\pm$ 1.105 χ^2/NDF : 2713.7/32

Out: -277.819 $\pm$ 1.068 χ^2/NDF : 2998.7/36

All: -279.327 $\pm$ 0.768 χ^2/NDF : 5716.4/69

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: -74.907 ± 0.971 χ^2/NDF : 467.2/17

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

Left In: -73.696 ± 1.018 χ^2/NDF : 401.4/15

Left: -74.331 ± 0.703 χ^2/NDF : 869.3/33

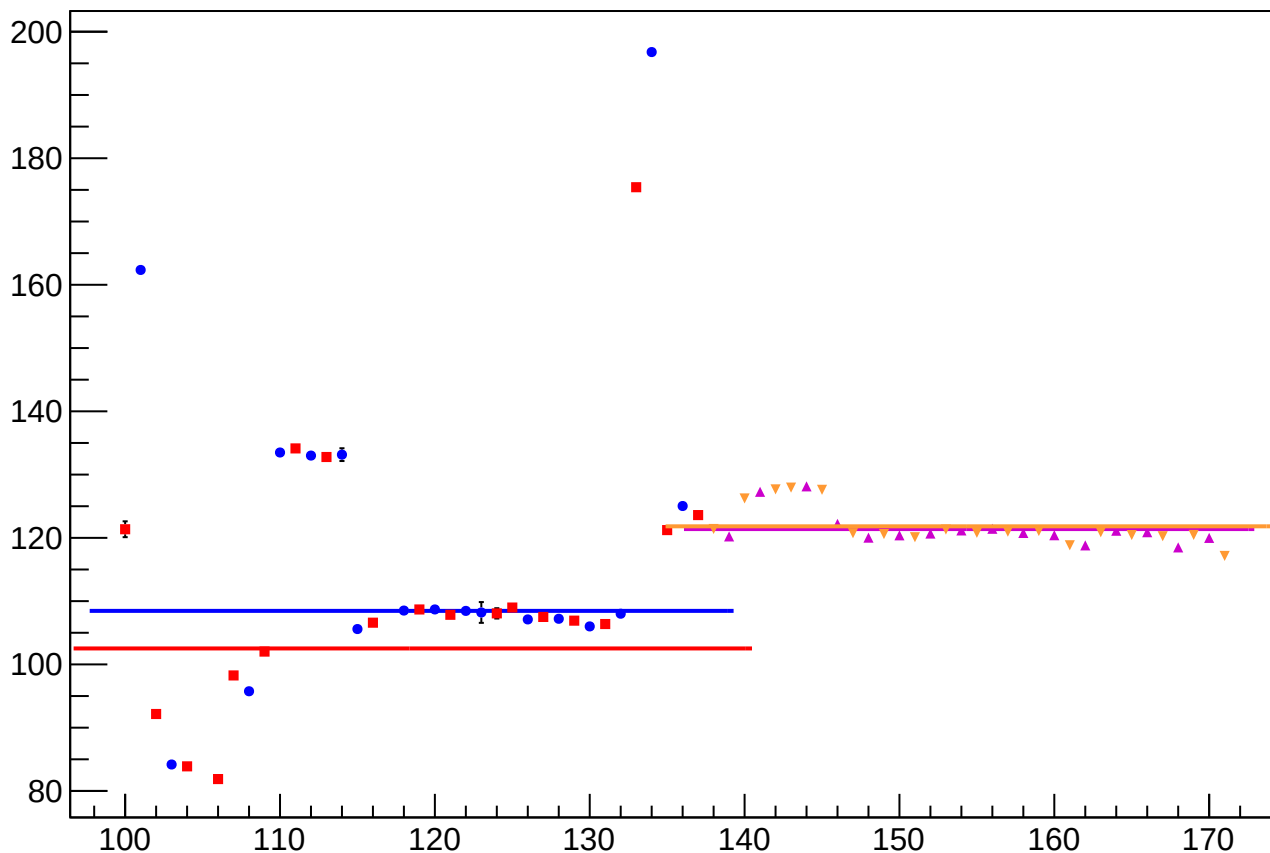
Right: -99.203 ± 1.173 χ^2/NDF : 1589.9/35

In: -82.006 ± 0.875 χ^2/NDF : 1393.6/32

Out: -79.900 ± 0.831 χ^2/NDF : 1393.5/36

All: -80.899 ± 0.603 χ^2/NDF : 2790.1/69

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 121.825 ± 0.047 $\chi^2/\text{NDF}: 4085.7/17$

Right Out: 102.521 ± 0.080 $\chi^2/\text{NDF}: 52992.1/18$

Left In: 121.390 ± 0.048 $\chi^2/\text{NDF}: 2696.6/15$

Left: 121.613 ± 0.034 $\chi^2/\text{NDF}: 6824.0/33$

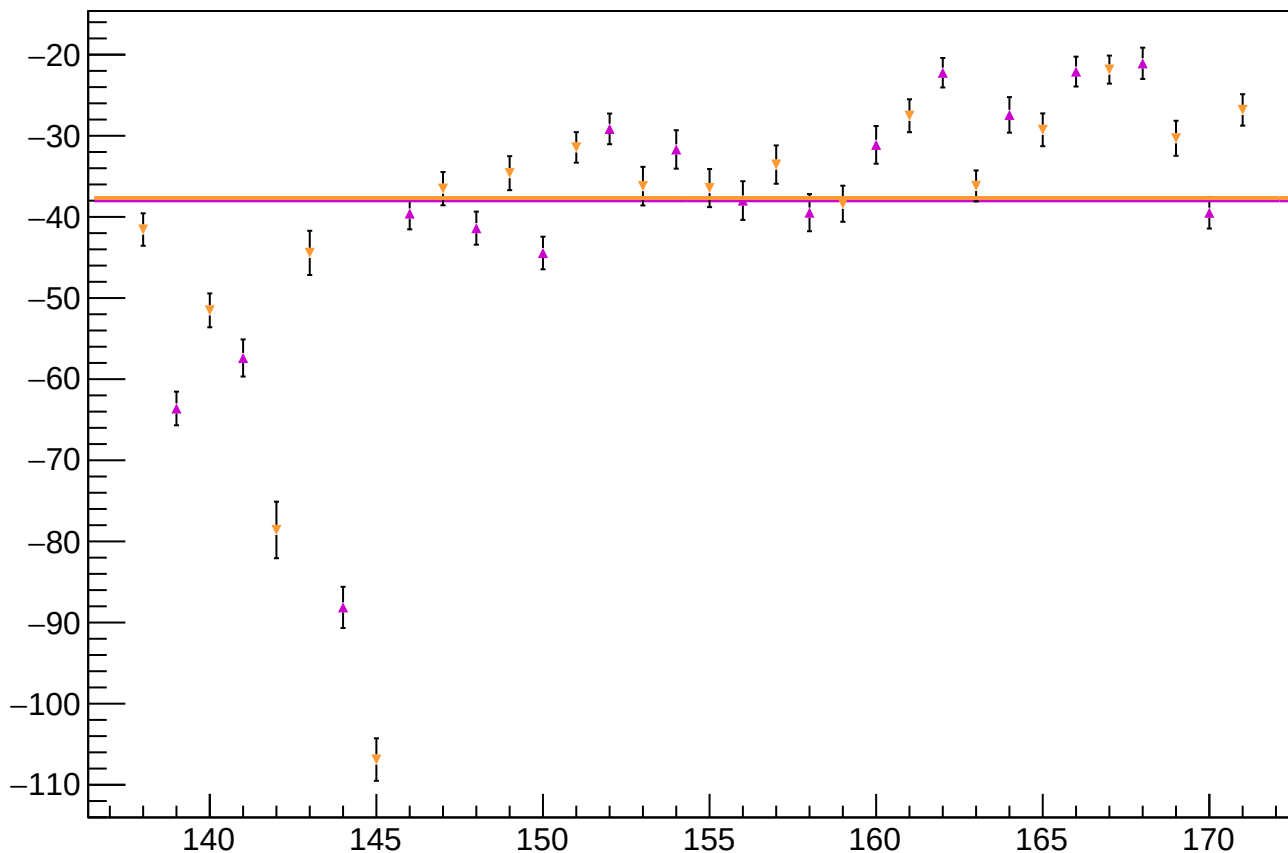
Right: 105.294 ± 0.058 $\chi^2/\text{NDF}: 128896.1/35$

In: 118.247 ± 0.042 $\chi^2/\text{NDF}: 93513.6/32$

Out: 116.844 ± 0.040 $\chi^2/\text{NDF}: 100768.5/36$

All: 117.520 ± 0.029 $\chi^2/\text{NDF}: 194862.5/69$

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: -37.673+/-0.506 χ^2/NDF :1077.3/17

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

Left In: -37.951+/-0.521 χ^2/NDF :917.2/15

Left: -37.808+/-0.363 χ^2/NDF : 1994.6/33

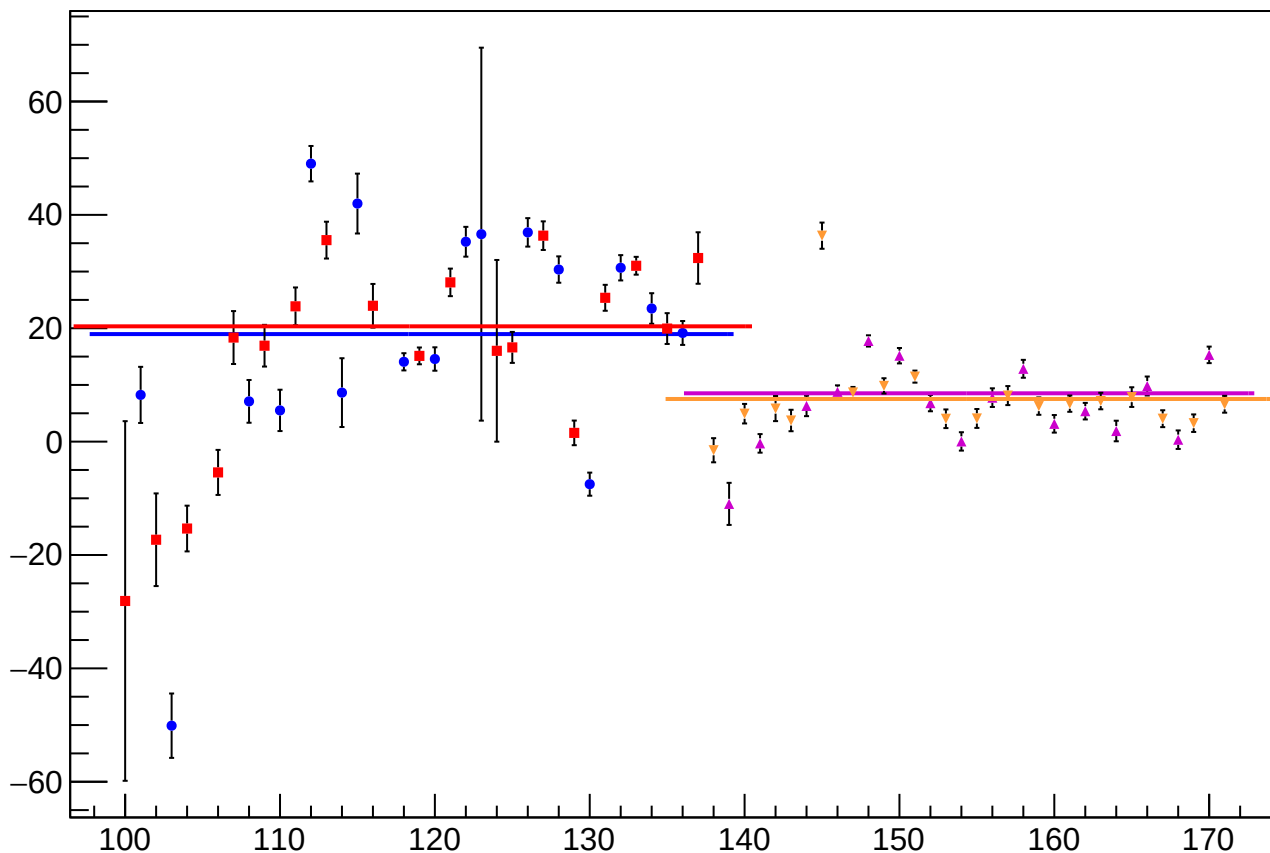
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.951+/-0.521 χ^2/NDF :917.2/15

Out: -37.673+/-0.506 χ^2/NDF :1077.3/17

All: -37.808+/-0.363 χ^2/NDF : 1994.6/33

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 $\chi^2/\text{NDF}: 618.4/16$

Left Out: 7.523 ± 0.357 $\chi^2/\text{NDF}: 221.9/17$

Right Out: 20.338 ± 0.642 $\chi^2/\text{NDF}: 366.4/18$

Left In: 8.525 ± 0.375 $\chi^2/\text{NDF}: 282.7/15$

Left: 7.999 ± 0.259 $\chi^2/\text{NDF}: 508.3/33$

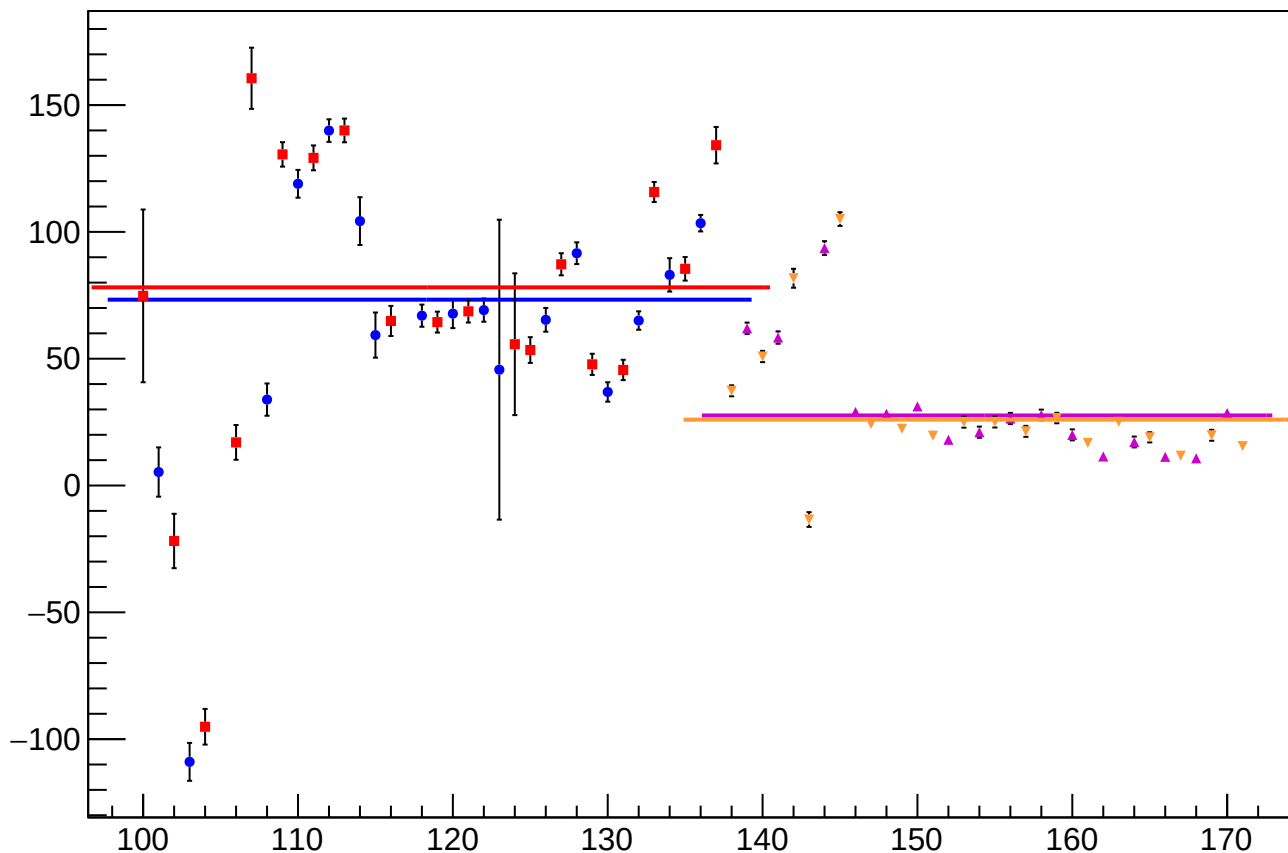
Right: 19.666 ± 0.458 $\chi^2/\text{NDF}: 987.0/35$

In: 11.117 ± 0.325 $\chi^2/\text{NDF}: 1093.5/32$

Out: 10.550 ± 0.312 $\chi^2/\text{NDF}: 892.4/36$

All: 10.822 ± 0.225 $\chi^2/\text{NDF}: 1987.5/69$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 25.980 $\pm$ 0.497 χ^2 /NDF:1572.6/17

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

Left In: 27.628 $\pm$ 0.509 χ^2 /NDF:1299.1/15

Left: 26.784 $\pm$ 0.356 χ^2 /NDF: 2877.1/33

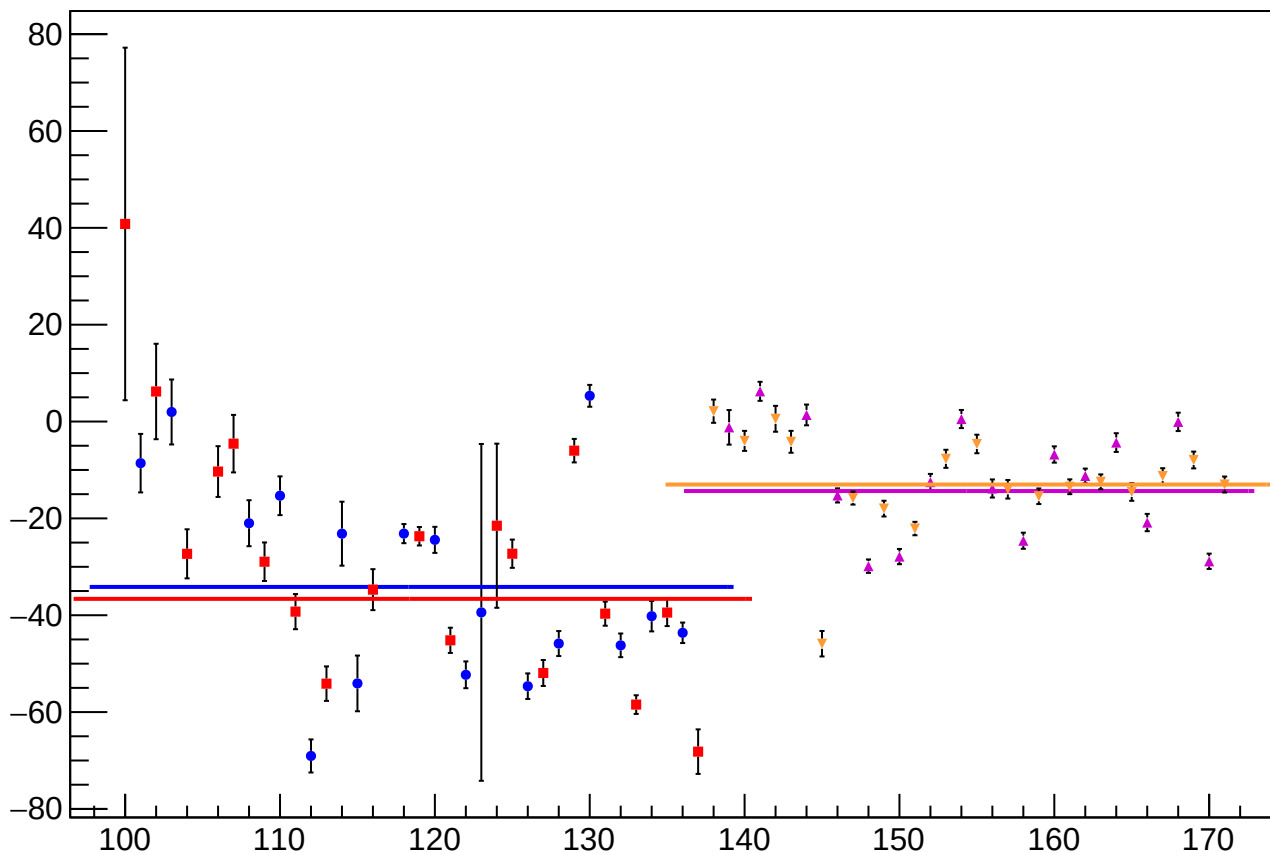
Right: 75.732 $\pm$ 0.869 χ^2 /NDF: 2749.7/35

In: 34.249 $\pm$ 0.471 χ^2 /NDF:3663.1/32

Out: 33.378 $\pm$ 0.460 χ^2 /NDF:4677.4/36

All: 33.804 $\pm$ 0.329 χ^2 /NDF: 8342.3/69

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.009 ± 0.416 χ^2/NDF : 352.9/17

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

Left In: -14.352 ± 0.436 χ^2/NDF : 683.7/15

Left: -13.649 ± 0.301 χ^2/NDF : 1041.6/33

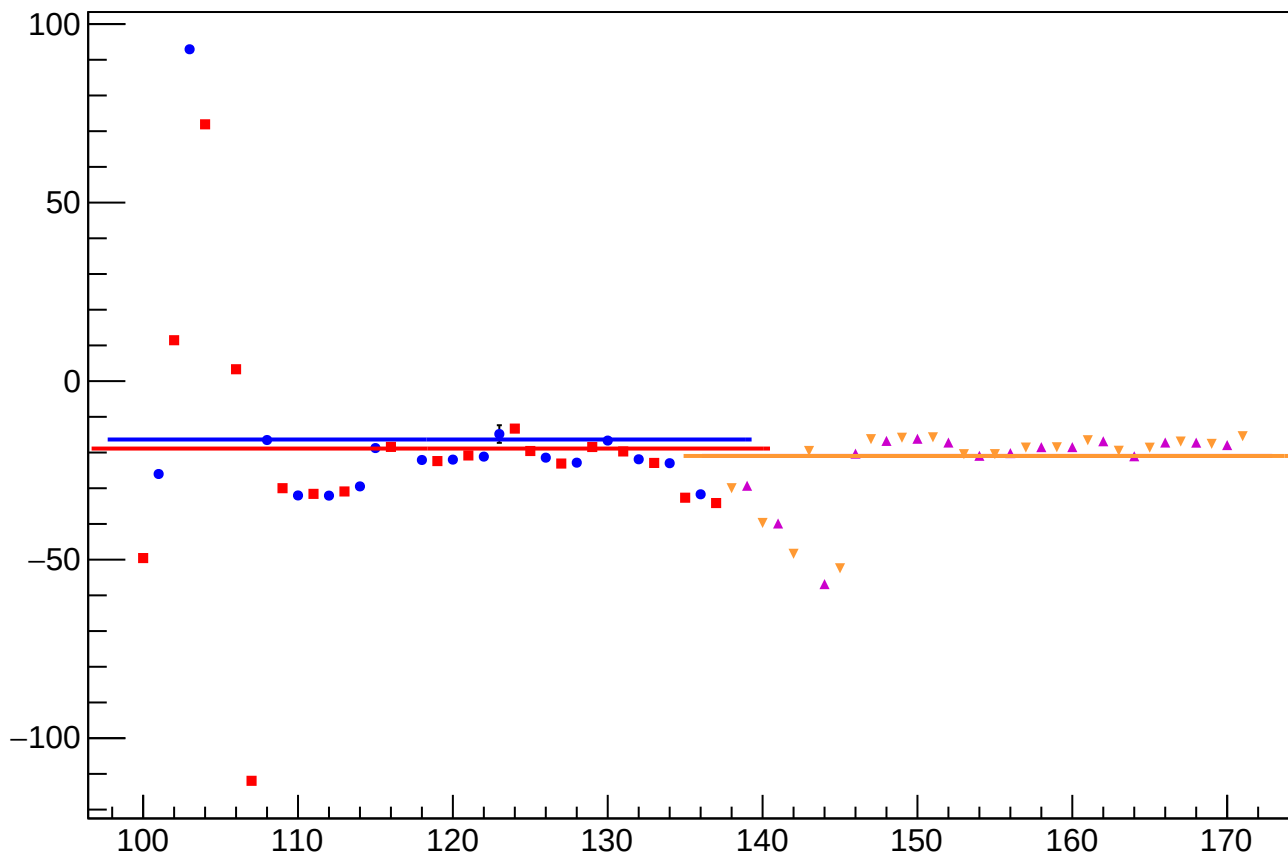
Right: -35.401 ± 0.523 χ^2/NDF : 1270.0/35

In: -19.397 ± 0.376 χ^2/NDF : 1927.9/32

Out: -18.720 ± 0.362 χ^2/NDF : 1680.5/36

All: -19.045 ± 0.261 χ^2/NDF : 3610.1/69

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: -20.960 ± 0.019 $\chi^2/\text{NDF}: 198188.7/17$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

Left In: -20.952 ± 0.020 $\chi^2/\text{NDF}: 160474.6/15$

Left: -20.956 ± 0.014 $\chi^2/\text{NDF}: 358663.4/33$

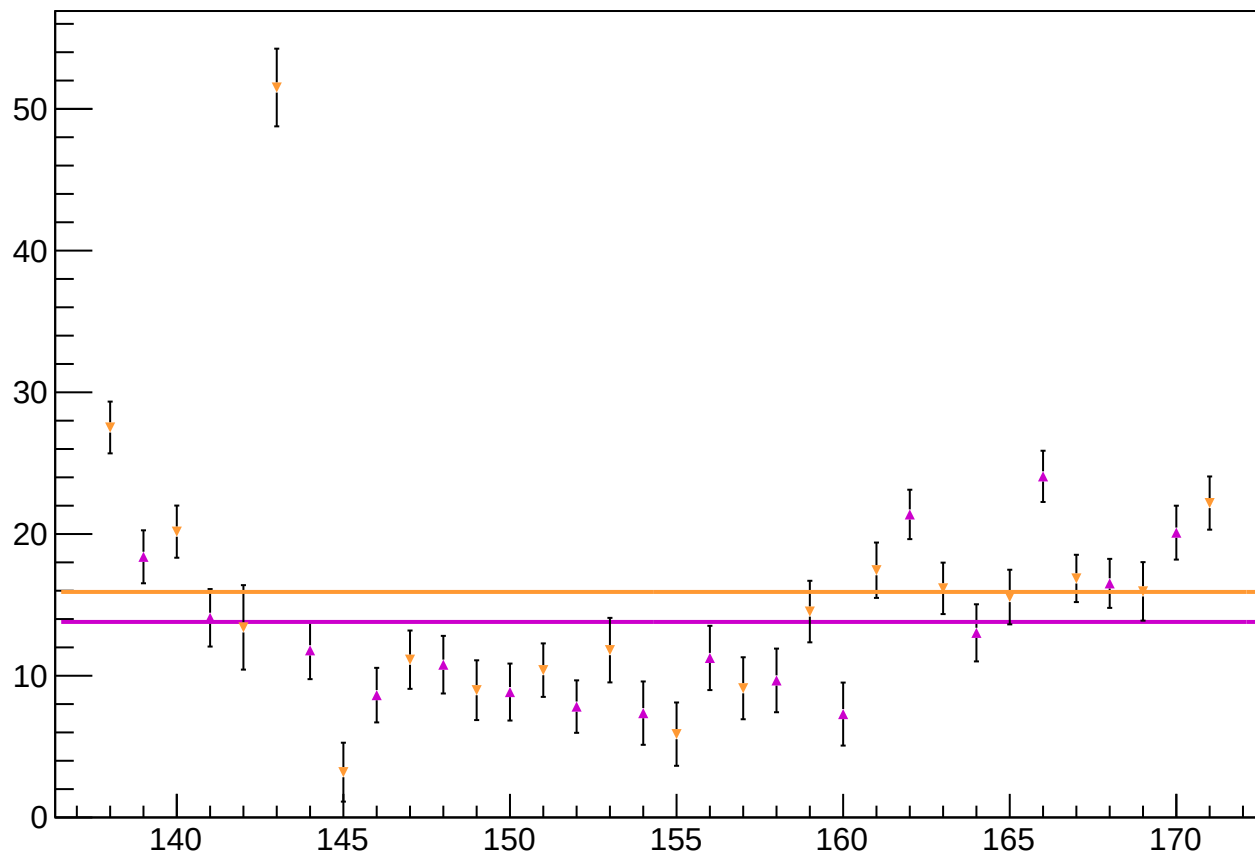
Right: -17.599 ± 0.032 $\chi^2/\text{NDF}: 909577.8/35$

In: -20.186 ± 0.018 $\chi^2/\text{NDF}: 643529.1/32$

Out: -20.639 ± 0.018 $\chi^2/\text{NDF}: 633754.1/36$

All: -20.418 ± 0.013 $\chi^2/\text{NDF}: 1277600.0/69$

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: 15.914 $\pm$ 0.480 χ^2 /NDF:322.8/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 13.797 $\pm$ 0.493 χ^2 /NDF:119.2/15

Left: 14.885 $\pm$ 0.344 χ^2 /NDF: 451.5/33

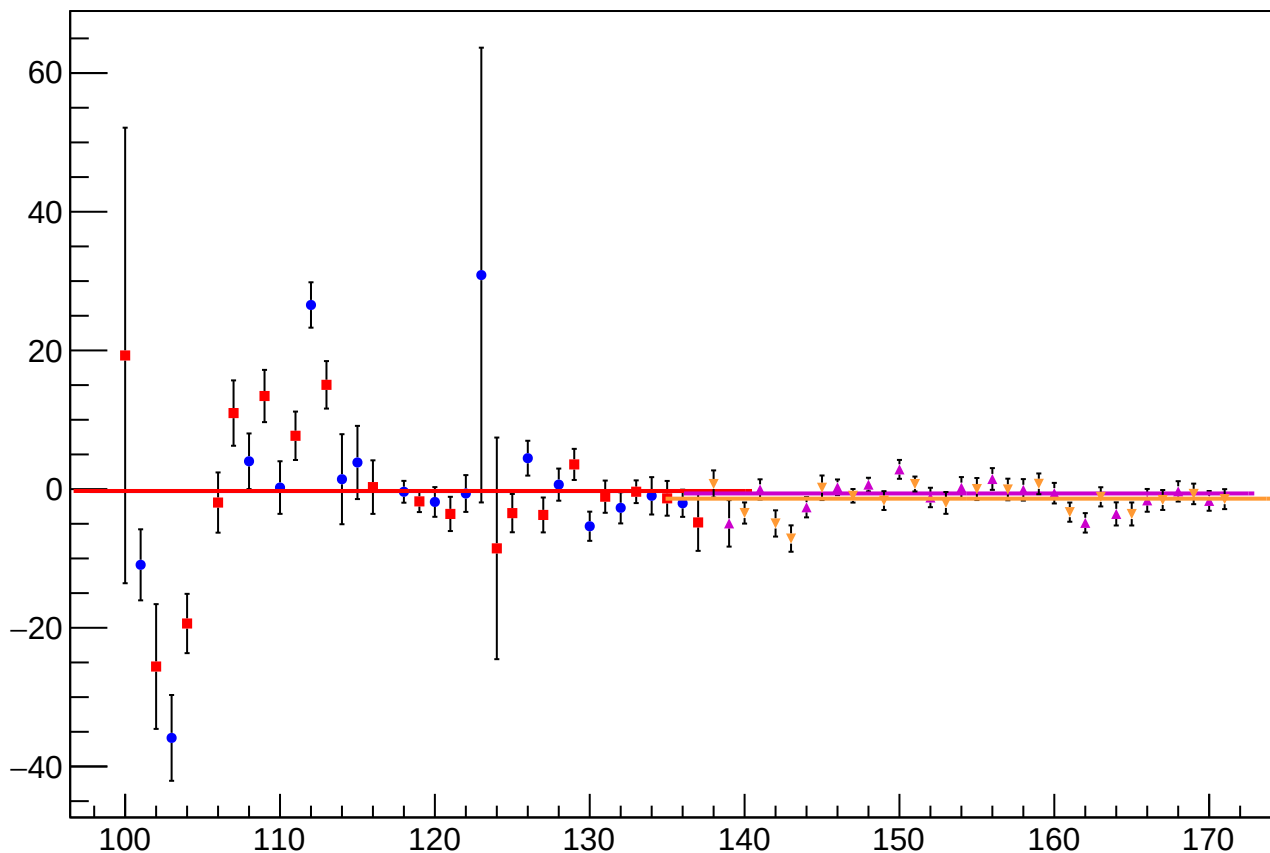
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.797 $\pm$ 0.493 χ^2 /NDF:119.2/15

Out: 15.914 $\pm$ 0.480 χ^2 /NDF:322.8/17

All: 14.885 $\pm$ 0.344 χ^2 /NDF: 451.5/33

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: -1.377 ± 0.343 χ^2/NDF : 28.3/17

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

Left In: -0.626 ± 0.358 χ^2/NDF : 28.1/15

Left: -1.018 ± 0.248 χ^2/NDF : 58.7/33

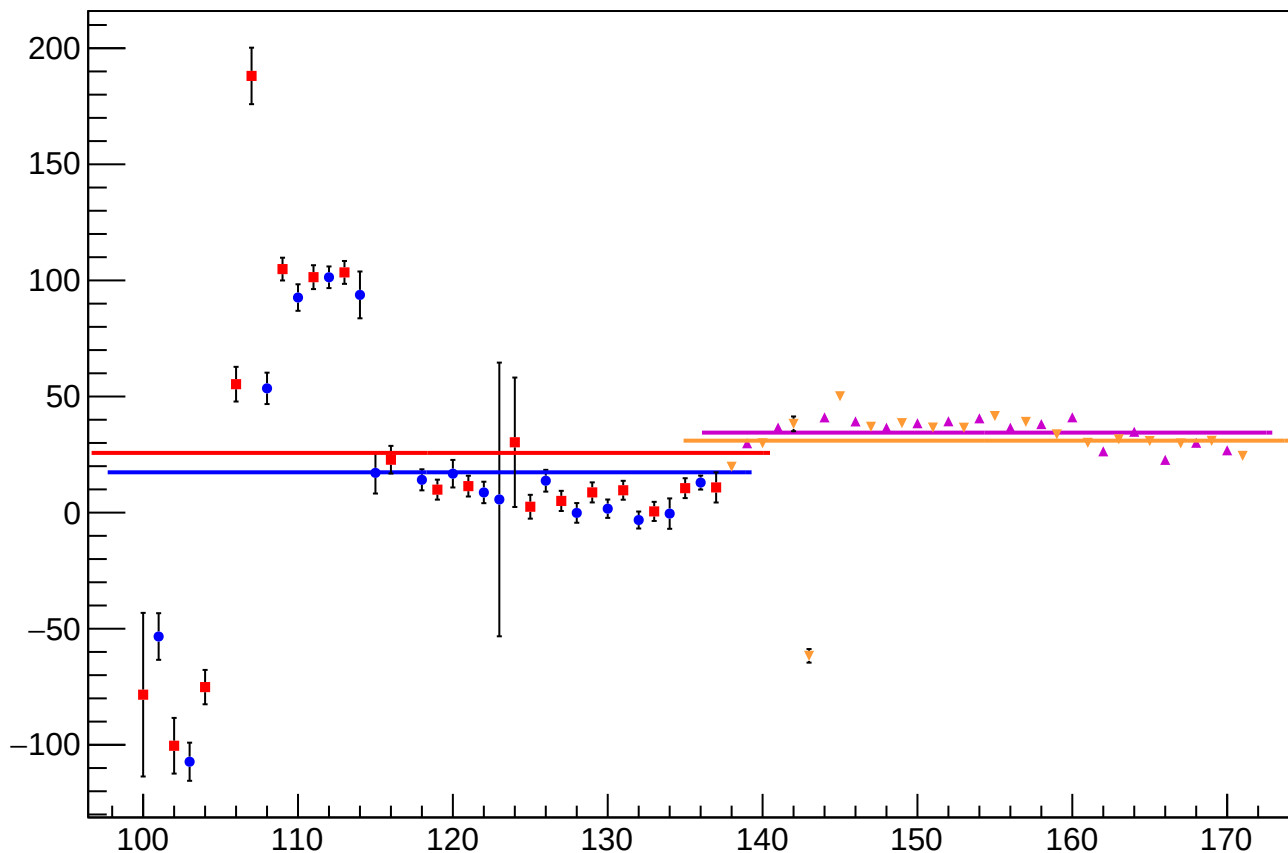
Right: -0.275 ± 0.466 χ^2/NDF : 202.7/35

In: -0.548 ± 0.315 χ^2/NDF : 147.8/32

Out: -1.140 ± 0.304 χ^2/NDF : 113.7/36

All: -0.855 ± 0.219 χ^2/NDF : 263.4/69

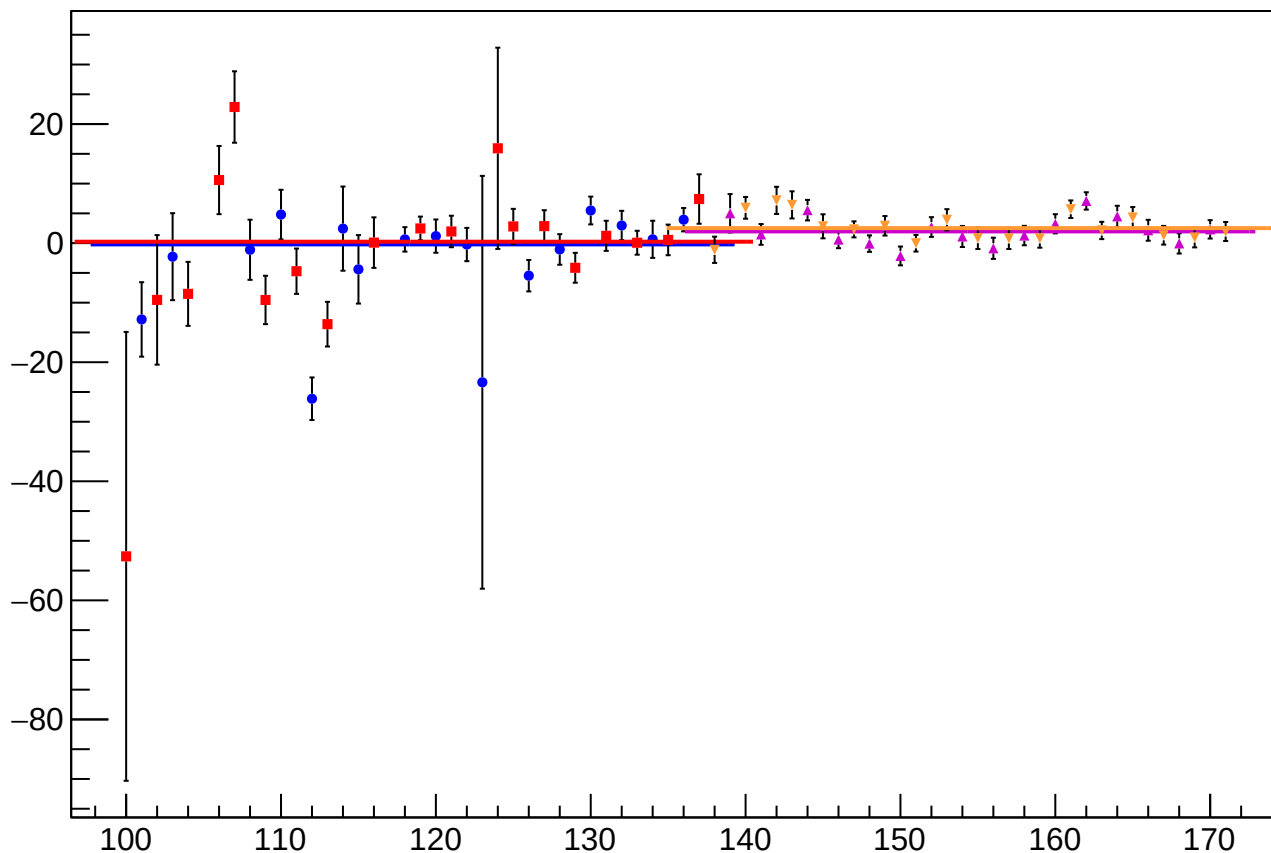
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$
 Left Out: 30.992 ± 0.473 $\chi^2/\text{NDF}: 1215.0/17$
 Right Out: 25.717 ± 1.243 $\chi^2/\text{NDF}: 1378.8/18$
 Left In: 34.451 ± 0.484 $\chi^2/\text{NDF}: 144.6/15$

Left: 32.684 ± 0.338 $\chi^2/\text{NDF}: 1385.7/33$
 Right: 21.552 ± 0.880 $\chi^2/\text{NDF}: 2344.4/35$
 In: 32.217 ± 0.451 $\chi^2/\text{NDF}: 1250.9/32$
 Out: 30.324 ± 0.442 $\chi^2/\text{NDF}: 2609.5/36$
 All: 31.252 ± 0.316 $\chi^2/\text{NDF}: 3869.4/69$

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: 2.522 ± 0.398 χ^2/NDF : 27.7/17

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 1.969 ± 0.415 χ^2/NDF : 34.8/15

Left: 2.258 ± 0.287 χ^2/NDF : 63.4/33

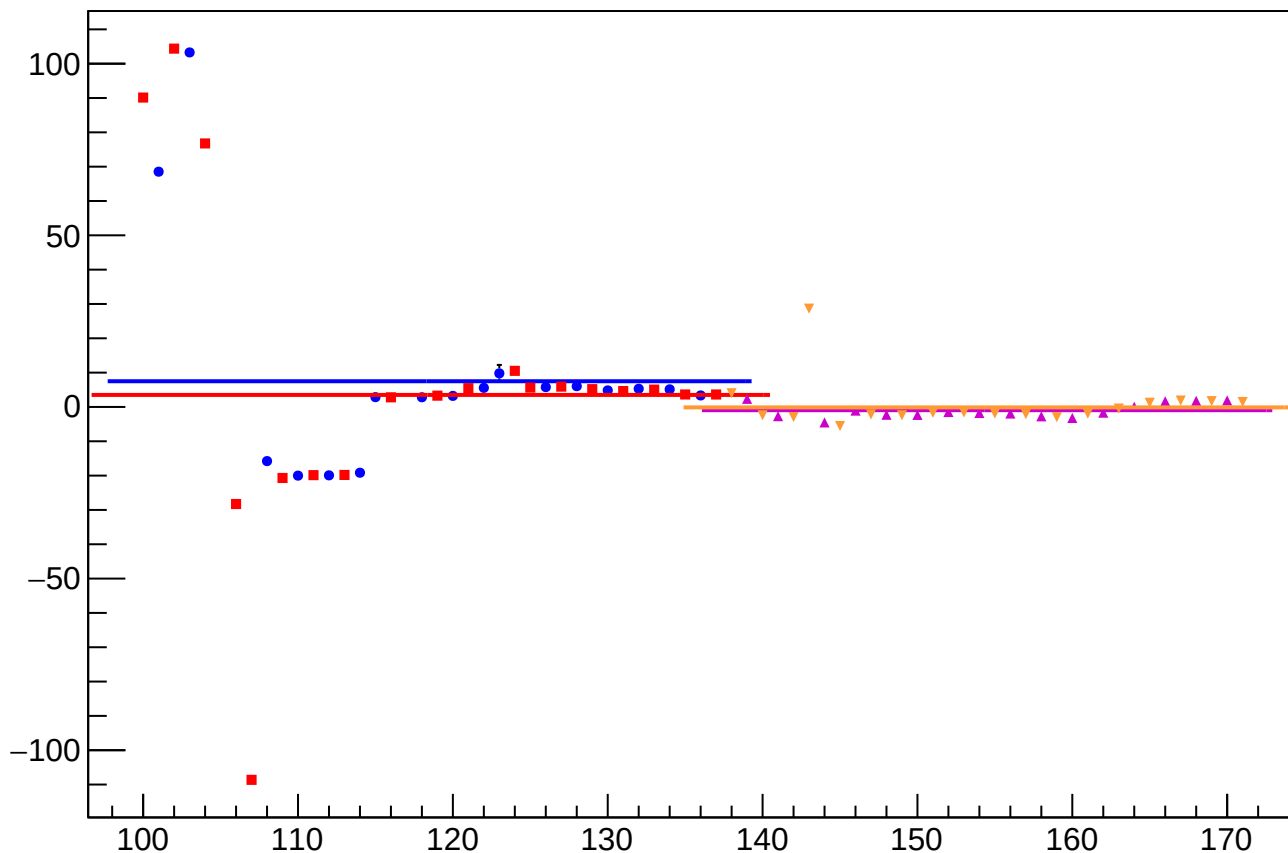
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.459 ± 0.363 χ^2/NDF : 117.1/32

Out: 2.020 ± 0.351 χ^2/NDF : 89.4/36

All: 1.749 ± 0.253 χ^2/NDF : 207.8/69

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: -0.127 ± 0.018 $\chi^2/\text{NDF}: 76462.8/17$

Right Out: 3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.4/18$

Left In: -0.944 ± 0.019 $\chi^2/\text{NDF}: 11064.8/15$

Left: -0.524 ± 0.013 $\chi^2/\text{NDF}: 88486.2/33$

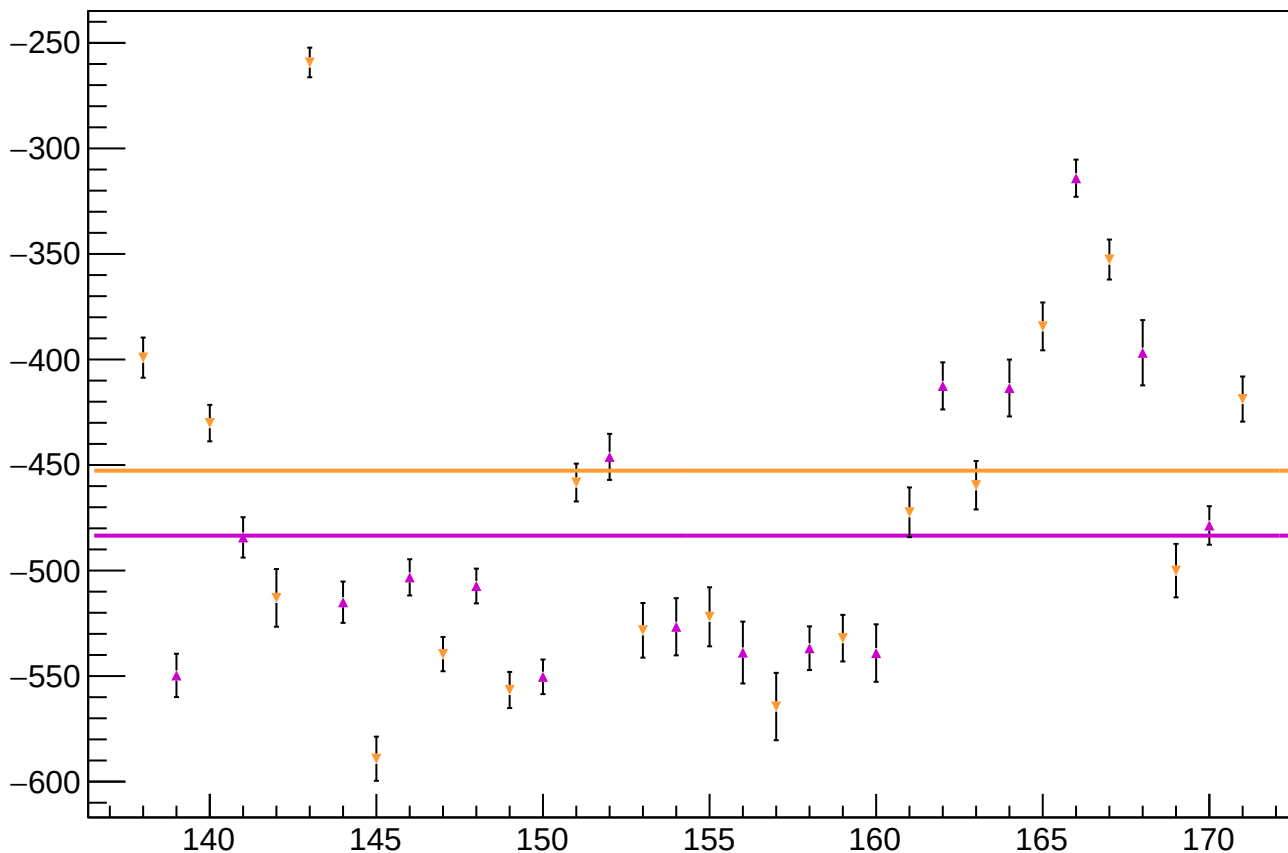
Right: 5.541 ± 0.032 $\chi^2/\text{NDF}: 870462.8/35$

In: 0.339 ± 0.017 $\chi^2/\text{NDF}: 397331.2/32$

Out: 0.380 ± 0.017 $\chi^2/\text{NDF}: 592490.3/36$

All: 0.360 ± 0.012 $\chi^2/\text{NDF}: 989824.3/69$

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: -452.669+/-2.408 χ^2/NDF :1584.2/17

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

Left In: -483.455+/-2.582 χ^2/NDF :680.7/15

Left: -466.989+/-1.761 χ^2/NDF : 2340.9/33

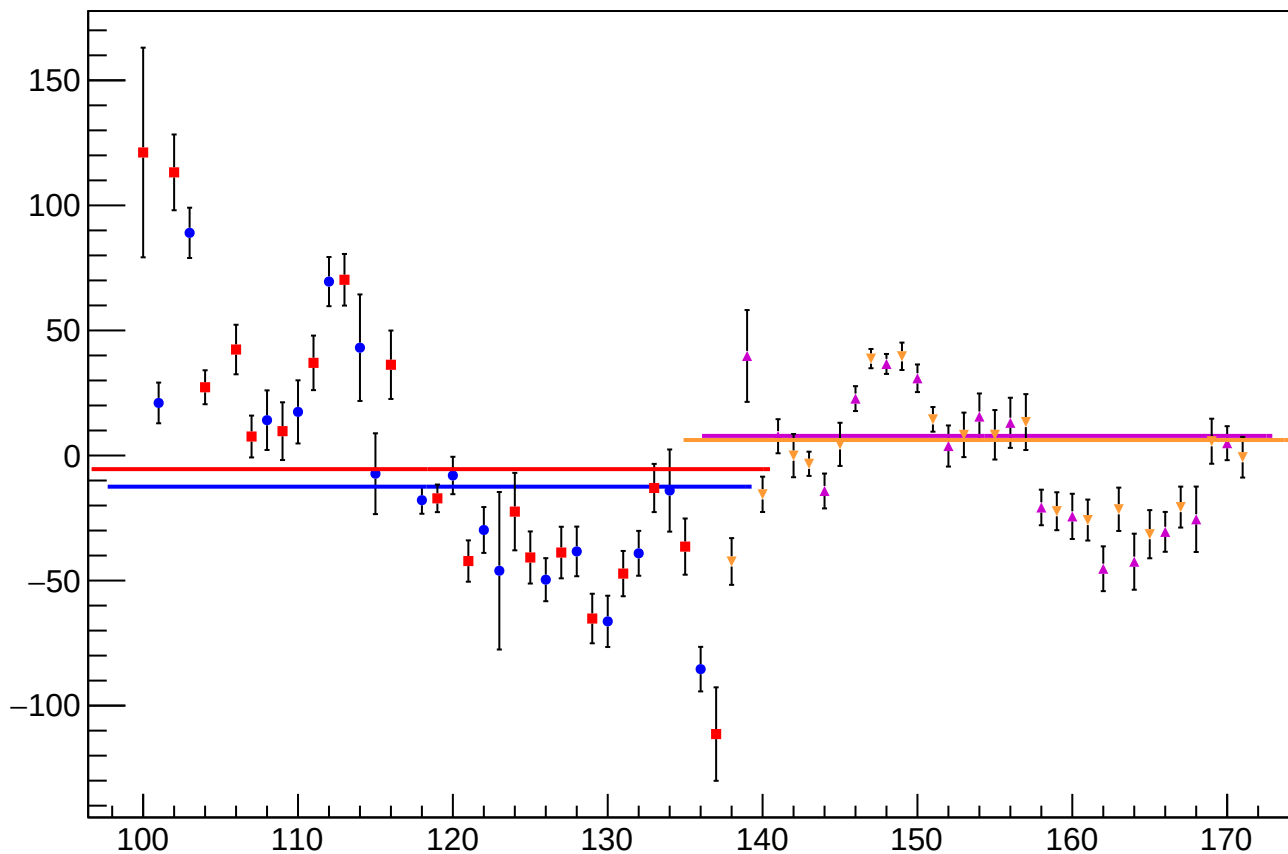
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -483.455+/-2.582 χ^2/NDF :680.7/15

Out: -452.669+/-2.408 χ^2/NDF :1584.2/17

All: -466.989+/-1.761 χ^2/NDF : 2340.9/33

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: 6.192 ± 1.638 χ^2/NDF : 219.5/17

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

Left In: 7.845 ± 1.787 χ^2/NDF : 206.6/15

Left: 6.947 ± 1.207 χ^2/NDF : 426.6/33

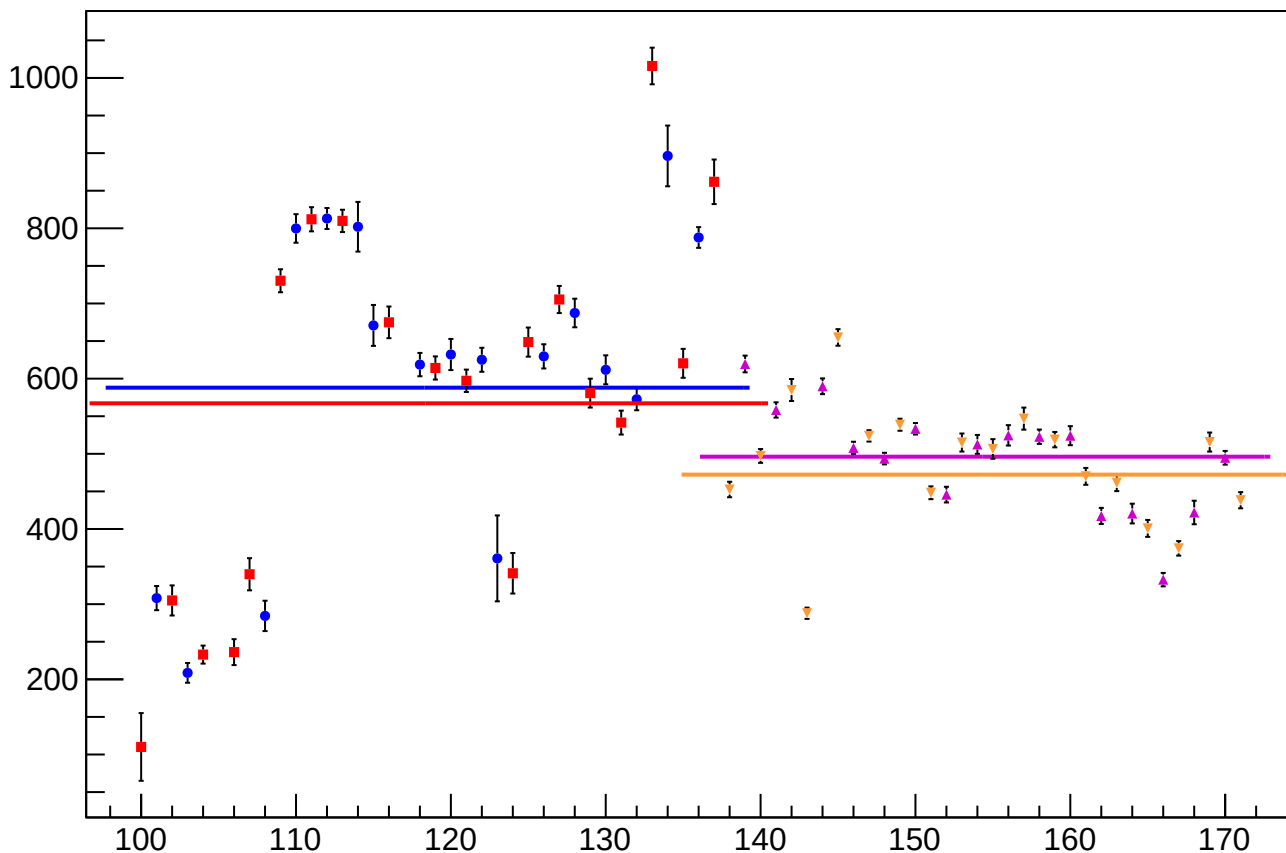
Right: -8.819 ± 1.628 χ^2/NDF : 690.7/35

In: 0.403 ± 1.422 χ^2/NDF : 595.0/32

Out: 2.179 ± 1.326 χ^2/NDF : 581.9/36

All: 1.353 ± 0.970 χ^2/NDF : 1177.7/69

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 $\pm$ 4.353 χ^2 /NDF: 2129.6/16

Left Out: 472.310 $\pm$ 2.389 χ^2 /NDF:1304.6/17

Right Out: 567.179 $\pm$ 4.136 χ^2 /NDF: 2783.2/18

Left In: 496.167 $\pm$ 2.527 χ^2 /NDF:750.1/15

Left: 483.571 $\pm$ 1.736 χ^2 /NDF: 2101.7/33

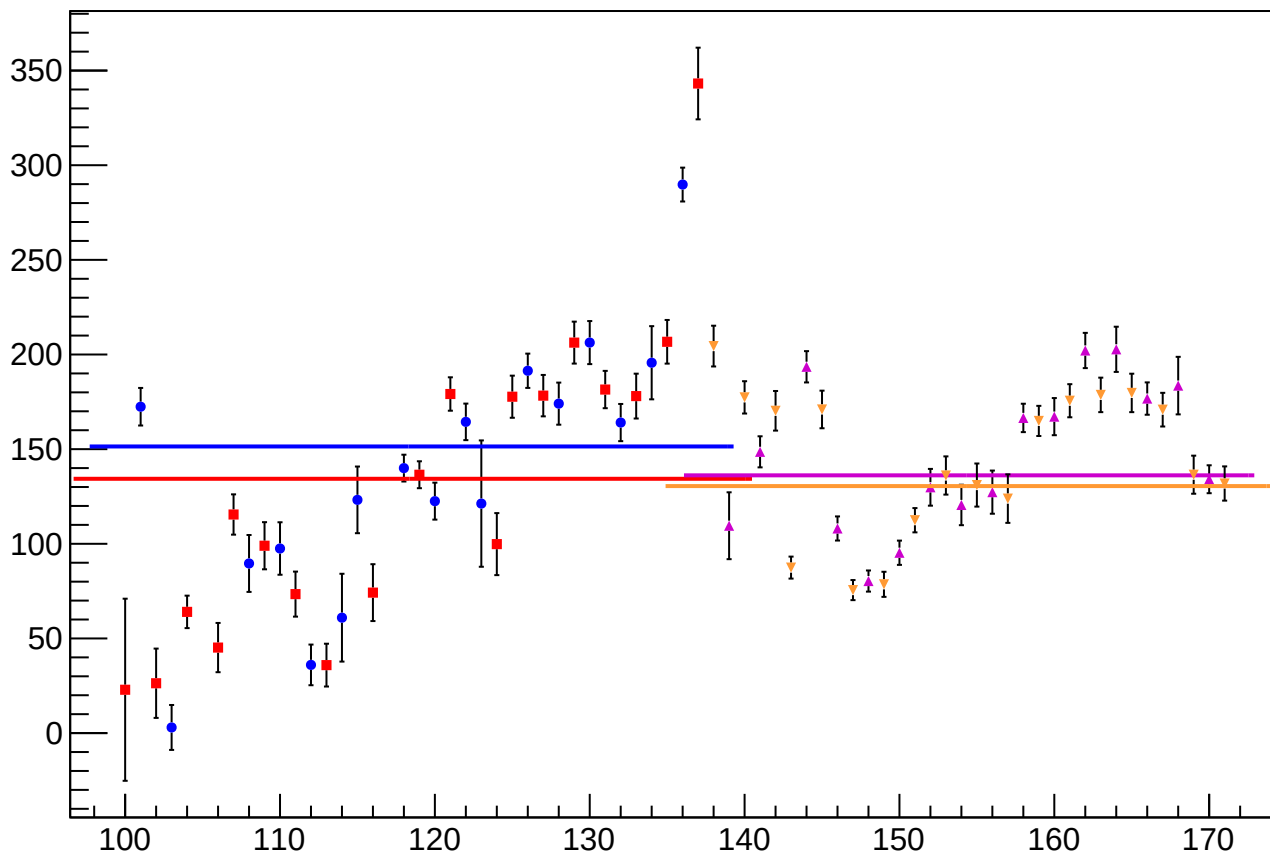
Right: 577.056 $\pm$ 2.998 χ^2 /NDF: 4924.8/35

In: 519.314 $\pm$ 2.185 χ^2 /NDF:3212.6/32

Out: 496.048 $\pm$ 2.069 χ^2 /NDF:4482.3/36

All: 507.045 $\pm$ 1.502 χ^2 /NDF: 7754.6/69

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2/NDF : 633.3/16

Left Out: 130.493 $\pm$ 1.950 χ^2/NDF :458.2/17

Right Out: 134.346 $\pm$ 2.616 χ^2/NDF : 584.9/18

Left In: 136.168 $\pm$ 2.113 χ^2/NDF :355.9/15

Left: 133.103 $\pm$ 1.433 χ^2/NDF : 818.0/33

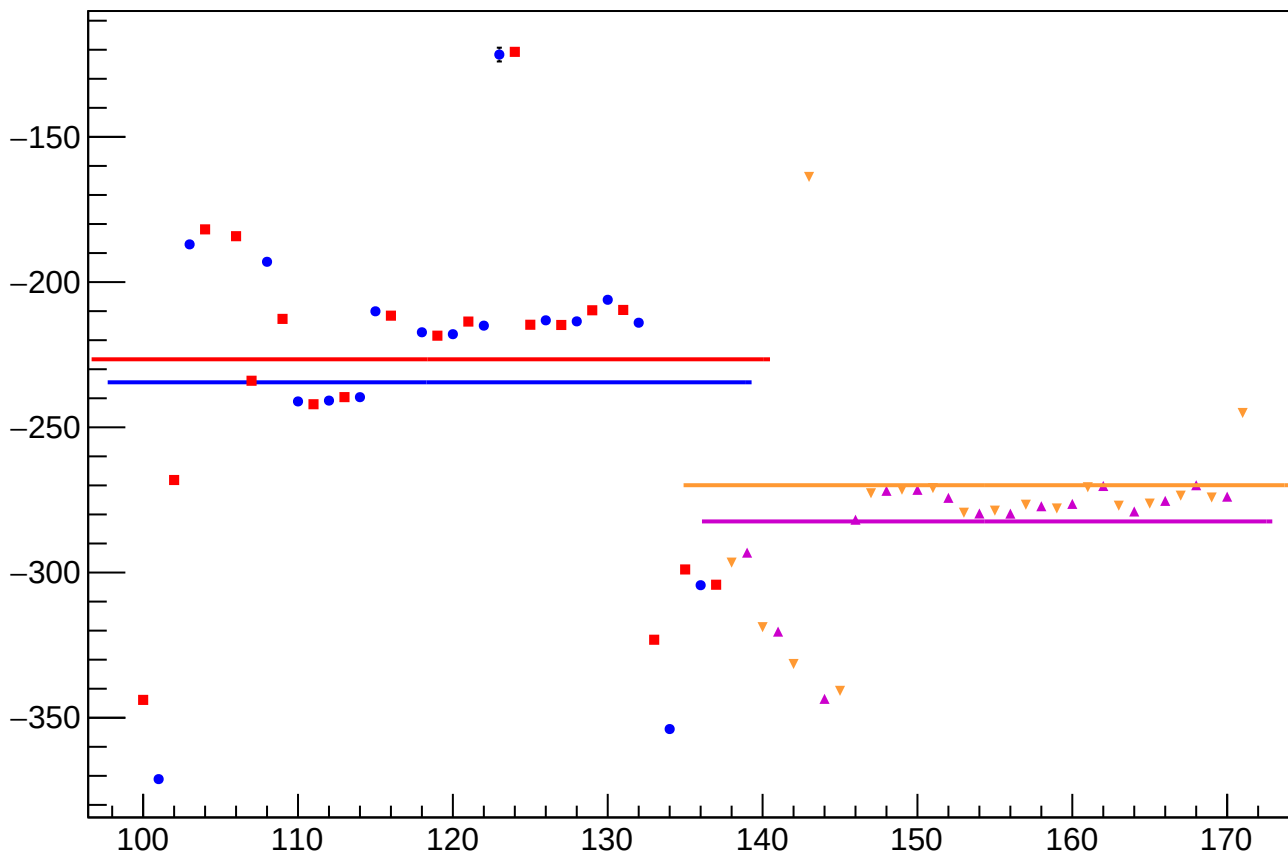
Right: 142.583 $\pm$ 1.882 χ^2/NDF : 1238.7/35

In: 141.938 $\pm$ 1.666 χ^2/NDF :1008.9/32

Out: 131.870 $\pm$ 1.564 χ^2/NDF :1044.5/36

All: 136.584 $\pm$ 1.140 χ^2/NDF : 2072.8/69

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -269.932+/-0.095 χ^2/NDF : 187583.7/17

Right Out: -226.581+/-0.141 χ^2/NDF : 98968.8/18

Left In: -282.402+/-0.101 χ^2/NDF : 32293.4/15

Left: -275.828+/-0.069 χ^2/NDF : 227952.9/33

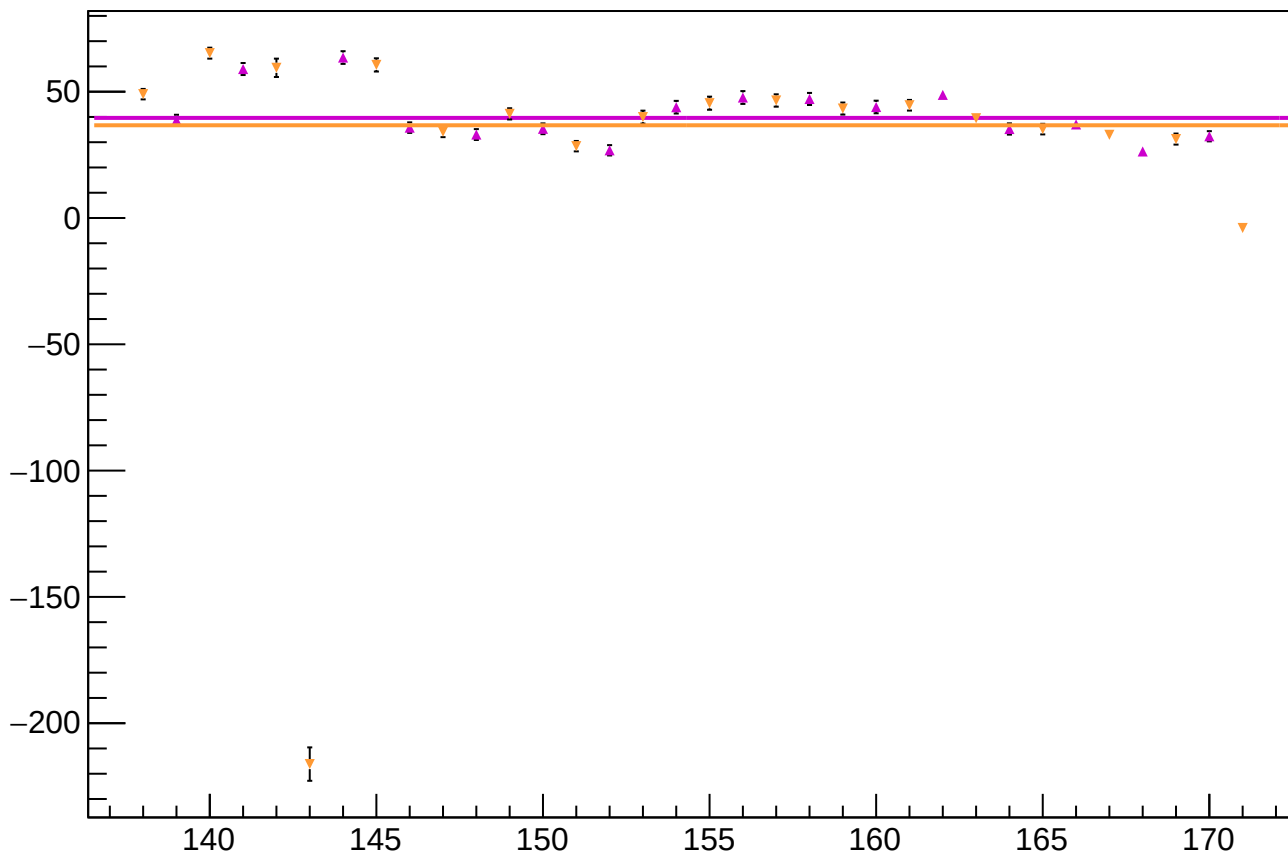
Right: -230.333+/-0.103 χ^2/NDF : 245501.4/35

In: -267.376+/-0.083 χ^2/NDF : 248244.8/32

Out: -256.369+/-0.079 χ^2/NDF : 351132.5/36

All: -261.577+/-0.057 χ^2/NDF : 608539.9/69

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: 36.704+/-0.535 χ^2/NDF :2334.6/17

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

Left In: 39.628+/-0.544 χ^2/NDF :329.3/15

Left: 38.141+/-0.382 χ^2/NDF : 2678.6/33

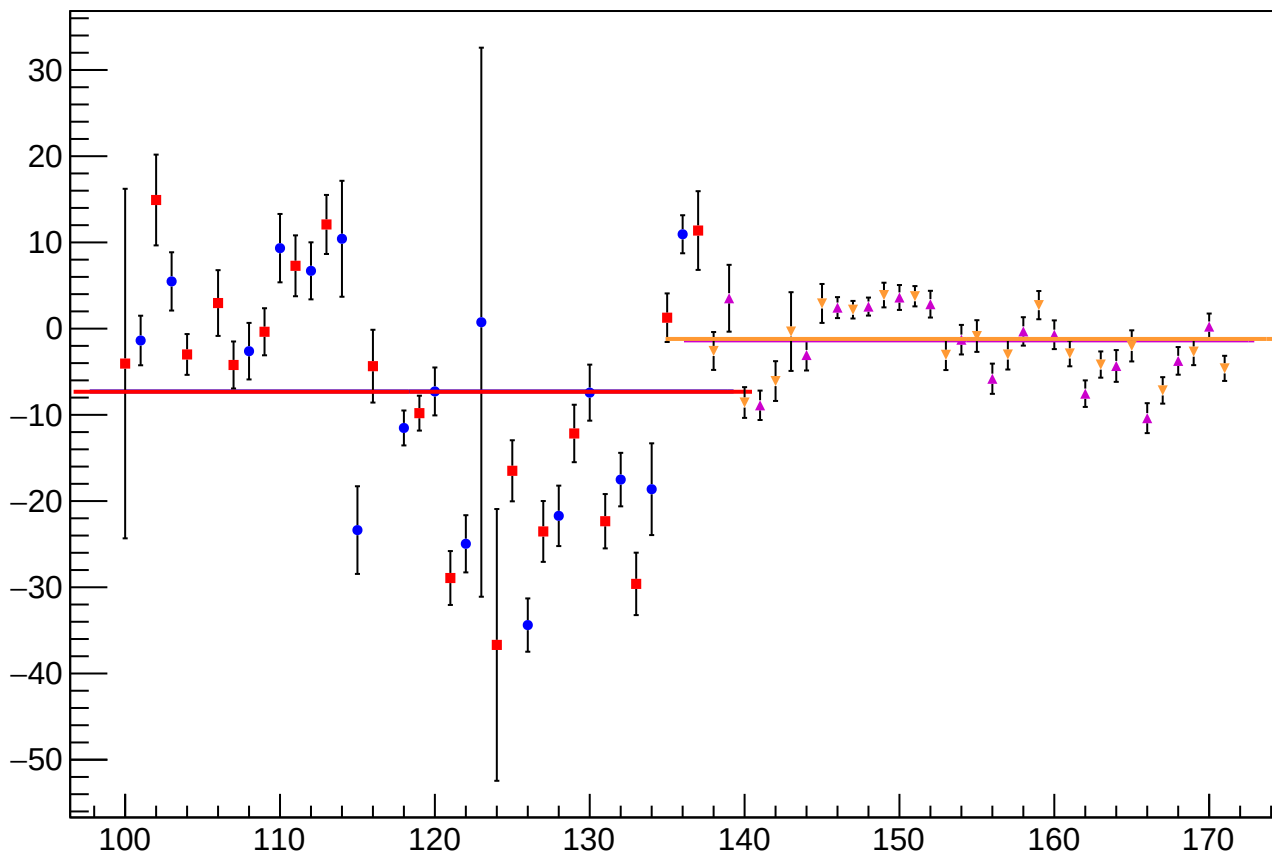
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 39.628+/-0.544 χ^2/NDF :329.3/15

Out: 36.704+/-0.535 χ^2/NDF :2334.6/17

All: 38.141+/-0.382 χ^2/NDF : 2678.6/33

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: -1.196 ± 0.380 χ^2/NDF : 101.5/17

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: -1.362 ± 0.393 χ^2/NDF : 121.0/15

Left: -1.276 ± 0.273 χ^2/NDF : 222.6/33

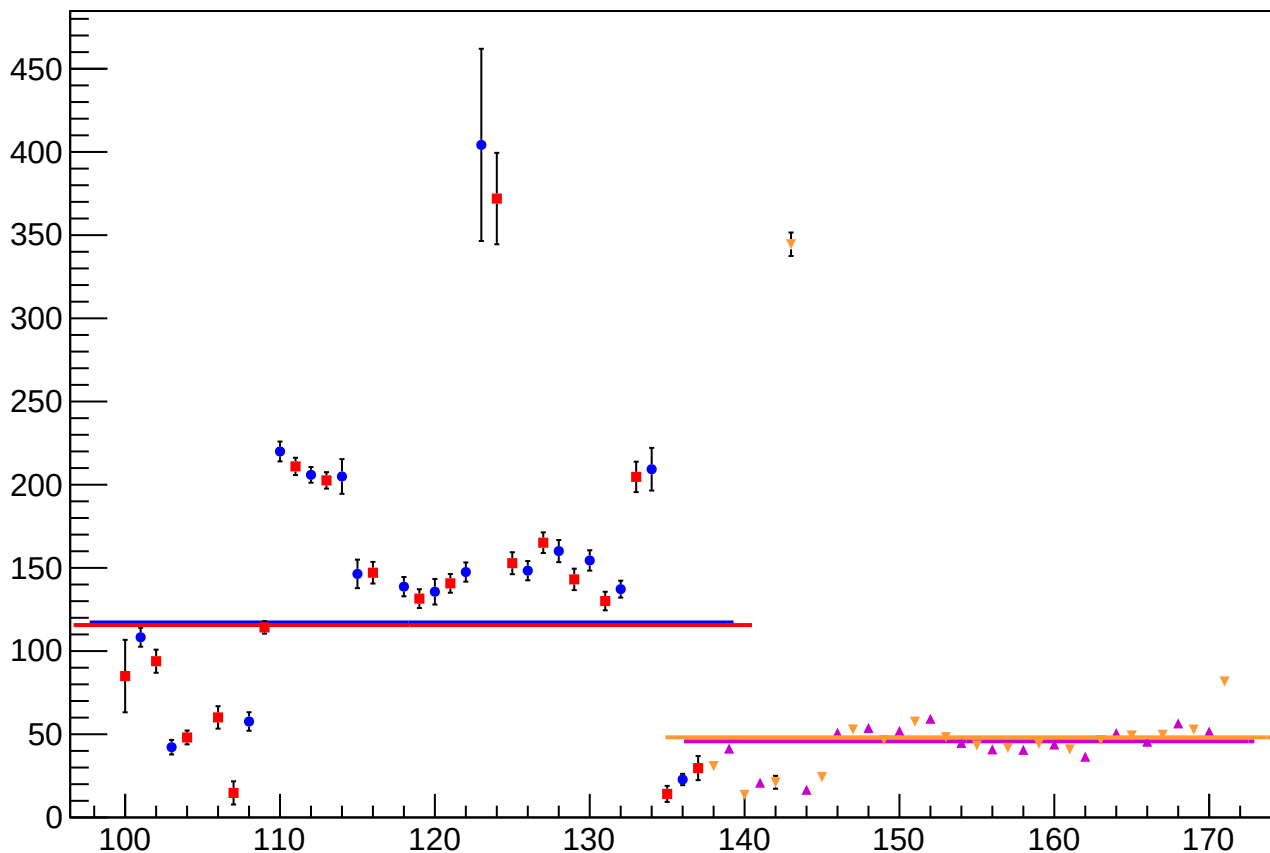
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -2.540 ± 0.352 χ^2/NDF : 449.4/32

Out: -2.418 ± 0.340 χ^2/NDF : 408.7/36

All: -2.477 ± 0.244 χ^2/NDF : 858.2/69

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: 48.149 $\pm$ 0.526 χ^2 /NDF:2540.7/17

Right Out: 115.632 $\pm$ 1.361 χ^2 /NDF: 2137.6/18

Left In: 45.736 $\pm$ 0.532 χ^2 /NDF:378.7/15

Left: 46.958 $\pm$ 0.374 χ^2 /NDF: 2929.8/33

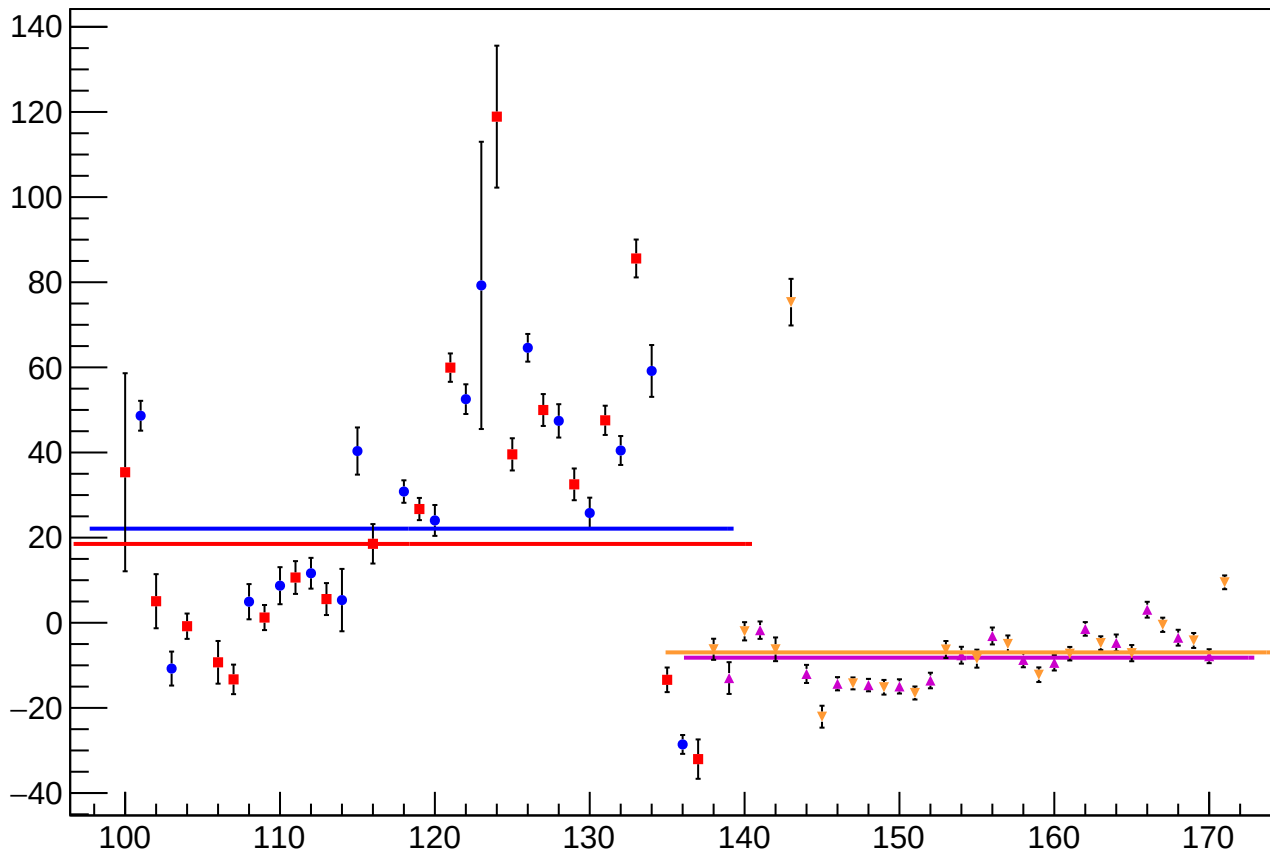
Right: 116.378 $\pm$ 0.981 χ^2 /NDF: 4299.2/35

In: 54.583 $\pm$ 0.498 χ^2 /NDF:4769.5/32

Out: 56.906 $\pm$ 0.490 χ^2 /NDF:6817.7/36

All: 55.764 $\pm$ 0.350 χ^2 /NDF: 11598.2/69

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110+/-0.898 χ^2/NDF : 1070.3/16

Left Out: -6.959+/-0.441 χ^2/NDF : 487.7/17

Right Out: 18.521+/-0.871 χ^2/NDF : 1068.6/18

Left In: -8.204+/-0.456 χ^2/NDF : 145.8/15

Left: -7.561+/-0.317 χ^2/NDF : 637.4/33

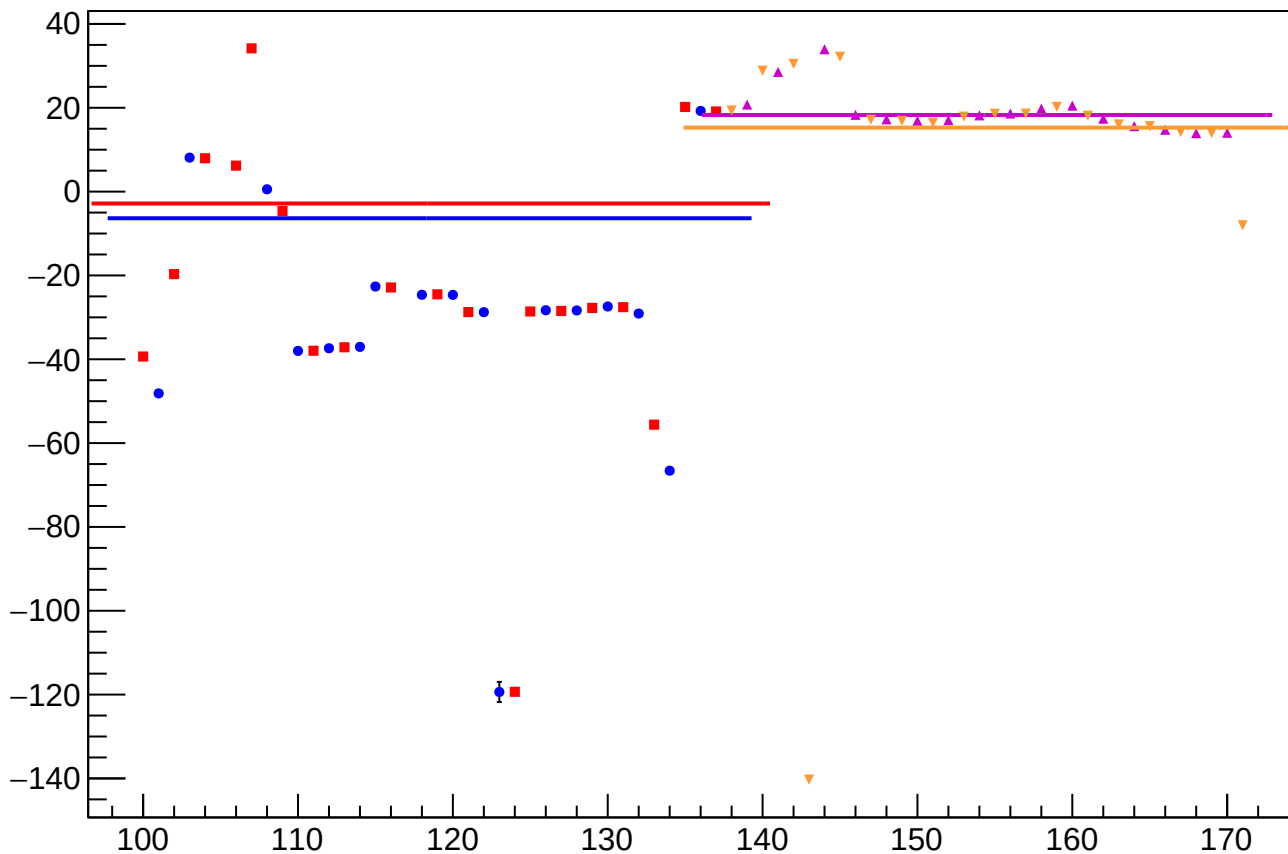
Right: 20.261+/-0.625 χ^2/NDF : 2147.1/35

In: -1.994+/-0.407 χ^2/NDF : 2121.9/32

Out: -1.768+/-0.393 χ^2/NDF : 2237.4/36

All: -1.877+/-0.283 χ^2/NDF : 4359.5/69

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 15.266 ± 0.020 $\chi^2/\text{NDF}: 486701.0/17$

Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

Left In: 18.283 ± 0.021 $\chi^2/\text{NDF}: 40127.8/15$

Left: 16.744 ± 0.015 $\chi^2/\text{NDF}: 537507.5/33$

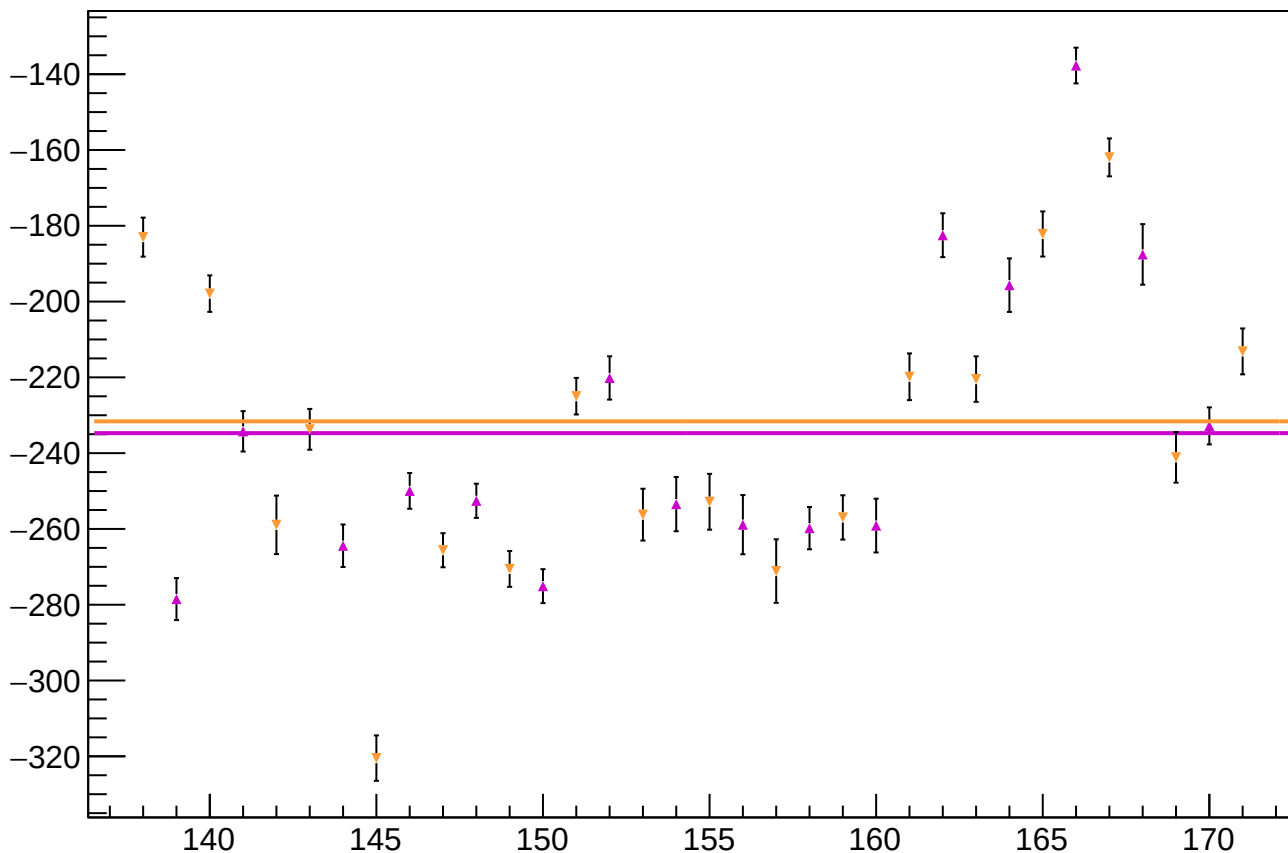
Right: -4.577 ± 0.033 $\chi^2/\text{NDF}: 533252.4/35$

In: 14.130 ± 0.019 $\chi^2/\text{NDF}: 540282.0/32$

Out: 12.257 ± 0.019 $\chi^2/\text{NDF}: 882848.9/36$

All: 13.175 ± 0.013 $\chi^2/\text{NDF}: 1428078.8/69$

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: -231.601 +/- 1.346 χ^2/NDF : 841.2/17

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

Left In: -234.720 +/- 1.394 χ^2/NDF : 823.2/15

Left: -233.105 +/- 0.968 χ^2/NDF : 1667.1/33

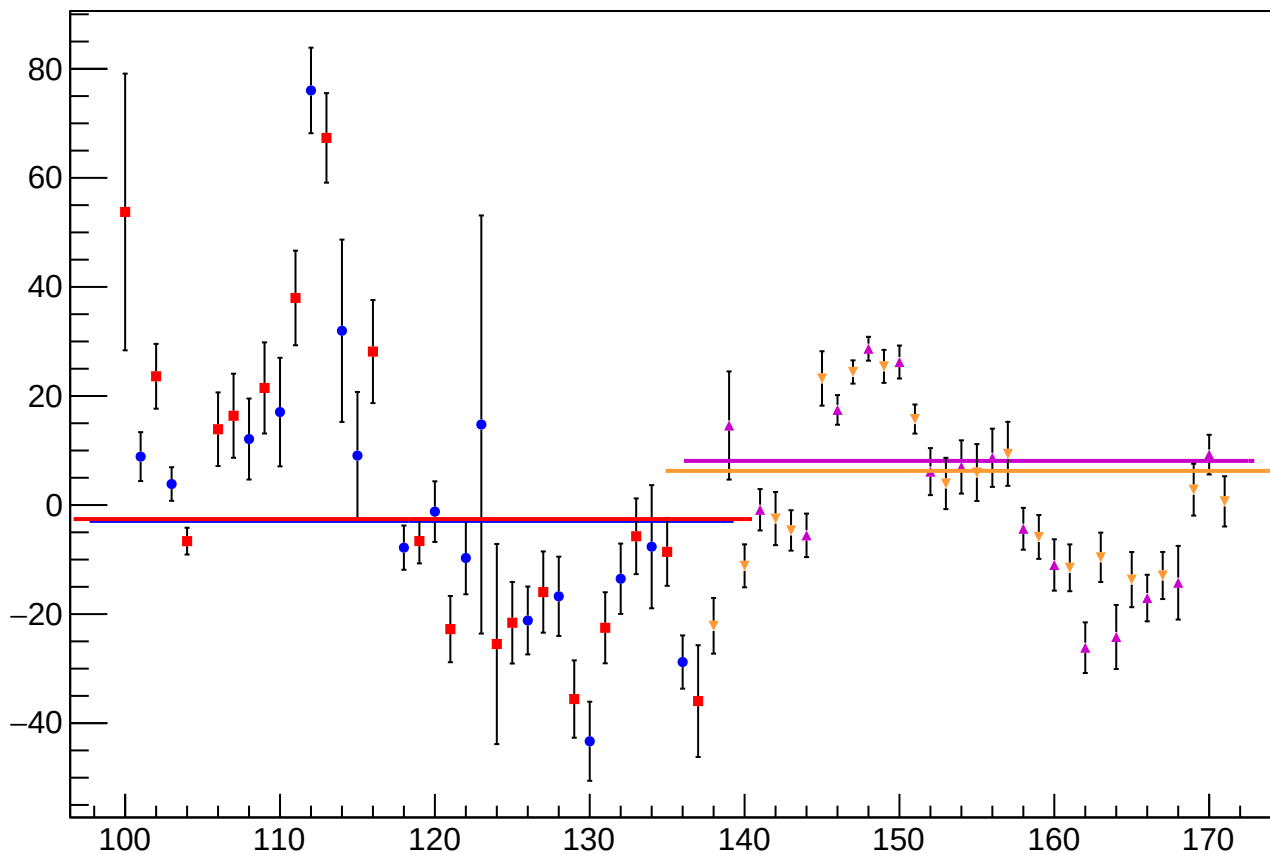
Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

In: -234.720 +/- 1.394 χ^2/NDF : 823.2/15

Out: -231.601 +/- 1.346 χ^2/NDF : 841.2/17

All: -233.105 +/- 0.968 χ^2/NDF : 1667.1/33

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 $\chi^2/\text{NDF}: 203.6/16$

Left Out: 6.265 ± 0.917 $\chi^2/\text{NDF}: 275.6/17$

Right Out: -2.570 ± 1.396 $\chi^2/\text{NDF}: 218.2/18$

Left In: 8.094 ± 0.968 $\chi^2/\text{NDF}: 311.5/15$

Left: 7.131 ± 0.666 $\chi^2/\text{NDF}: 589.0/33$

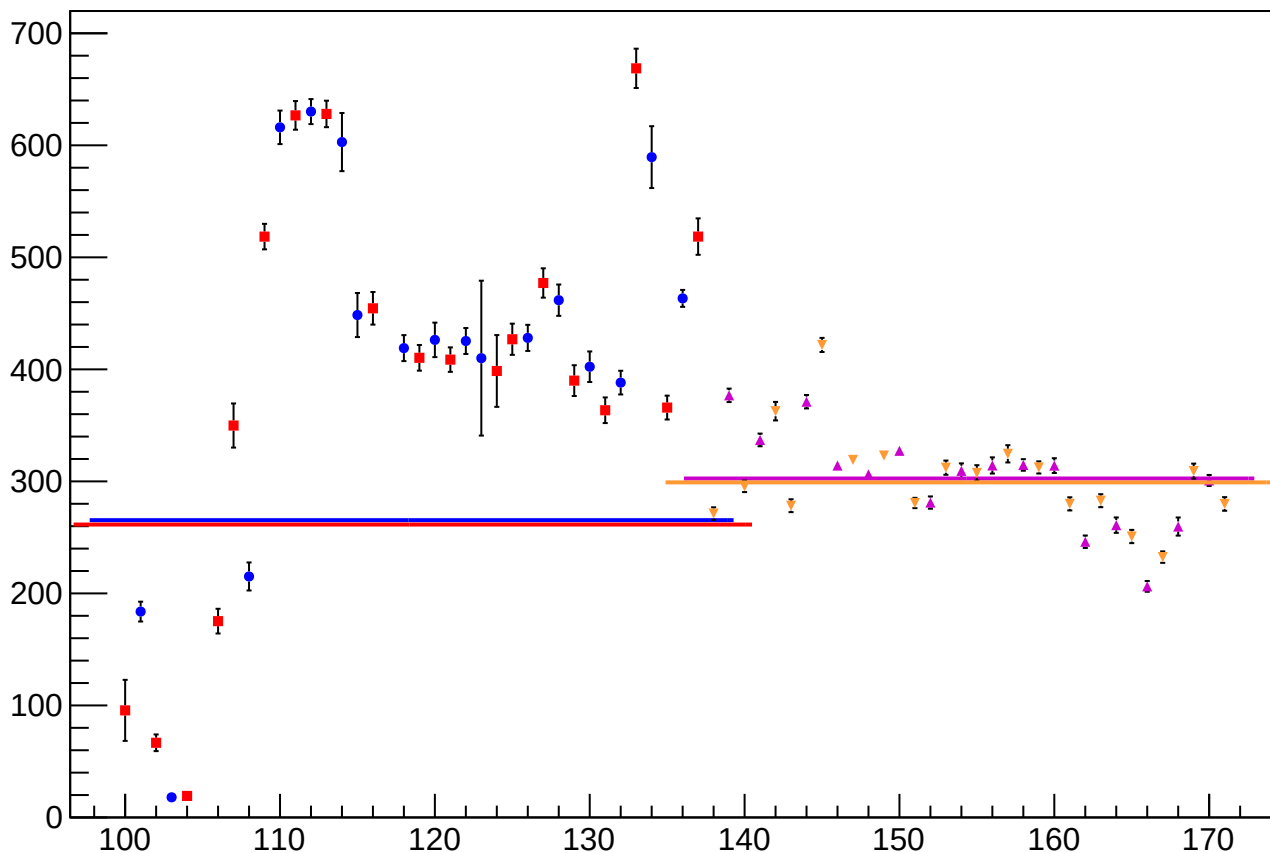
Right: -2.728 ± 1.011 $\chi^2/\text{NDF}: 421.8/35$

In: 4.761 ± 0.808 $\chi^2/\text{NDF}: 554.2/32$

Out: 3.601 ± 0.767 $\chi^2/\text{NDF}: 521.8/36$

All: 4.151 ± 0.556 $\chi^2/\text{NDF}: 1077.0/69$

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: 299.109 $\pm$ 1.328 χ^2 /NDF:836.1/17

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

Left In: 302.566 $\pm$ 1.363 χ^2 /NDF:960.2/15

Left: 300.792 $\pm$ 0.951 χ^2 /NDF: 1799.5/33

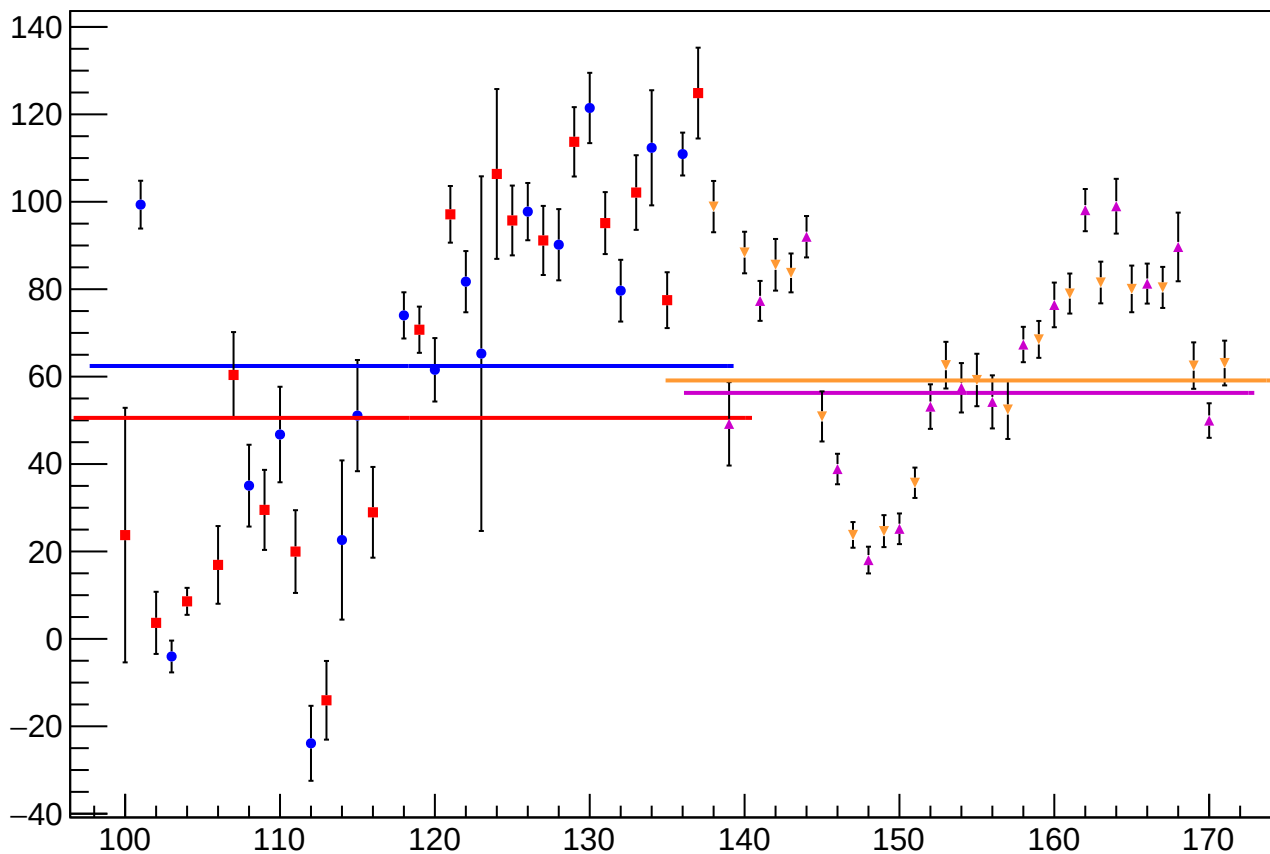
Right: 263.393 $\pm$ 1.749 χ^2 /NDF: 15839.3/35

In: 293.979 $\pm$ 1.195 χ^2 /NDF:8765.9/32

Out: 290.605 $\pm$ 1.168 χ^2 /NDF:9221.9/36

All: 292.253 $\pm$ 0.836 χ^2 /NDF: 17991.9/69

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 59.123+/-1.089 χ^2/NDF : 499.8/17

Right Out: 50.560+/-1.642 χ^2/NDF : 657.4/18

Left In: 56.277+/-1.142 χ^2/NDF : 534.0/15

Left: 57.768+/-0.788 χ^2/NDF : 1037.0/33

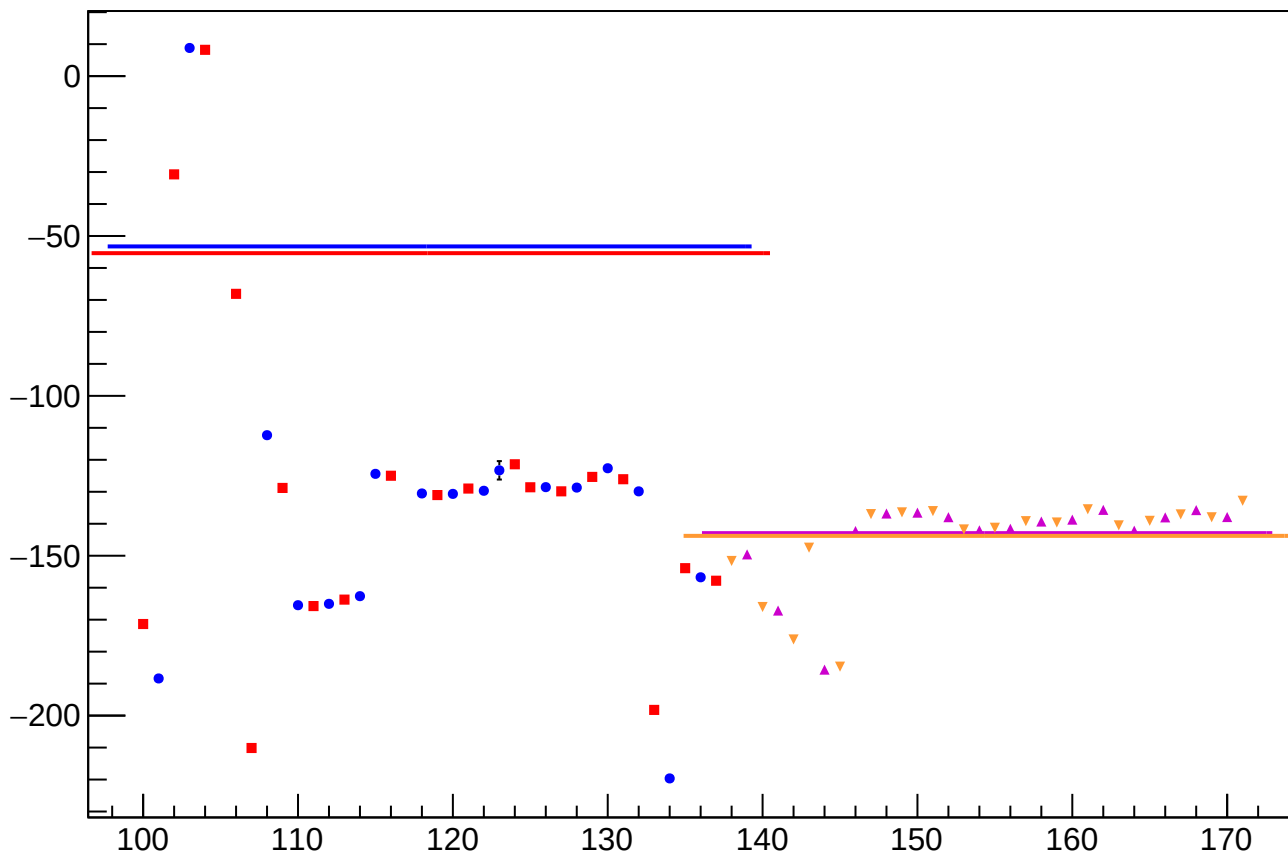
Right: 56.313+/-1.179 χ^2/NDF : 1404.5/35

In: 58.202+/-0.947 χ^2/NDF : 1264.9/32

Out: 56.508+/-0.908 χ^2/NDF : 1176.0/36

All: 57.319+/-0.655 χ^2/NDF : 2442.5/69

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264+/-0.070 χ^2/NDF : 1225492.9/16

Left Out: -143.786+/-0.053 χ^2/NDF : 59276.4/17

Right Out: -55.373+/-0.072 χ^2/NDF : 967027.2/18

Left In: -142.935+/-0.054 χ^2/NDF : 45280.8/15

Left: -143.371+/-0.038 χ^2/NDF : 104683.3/33

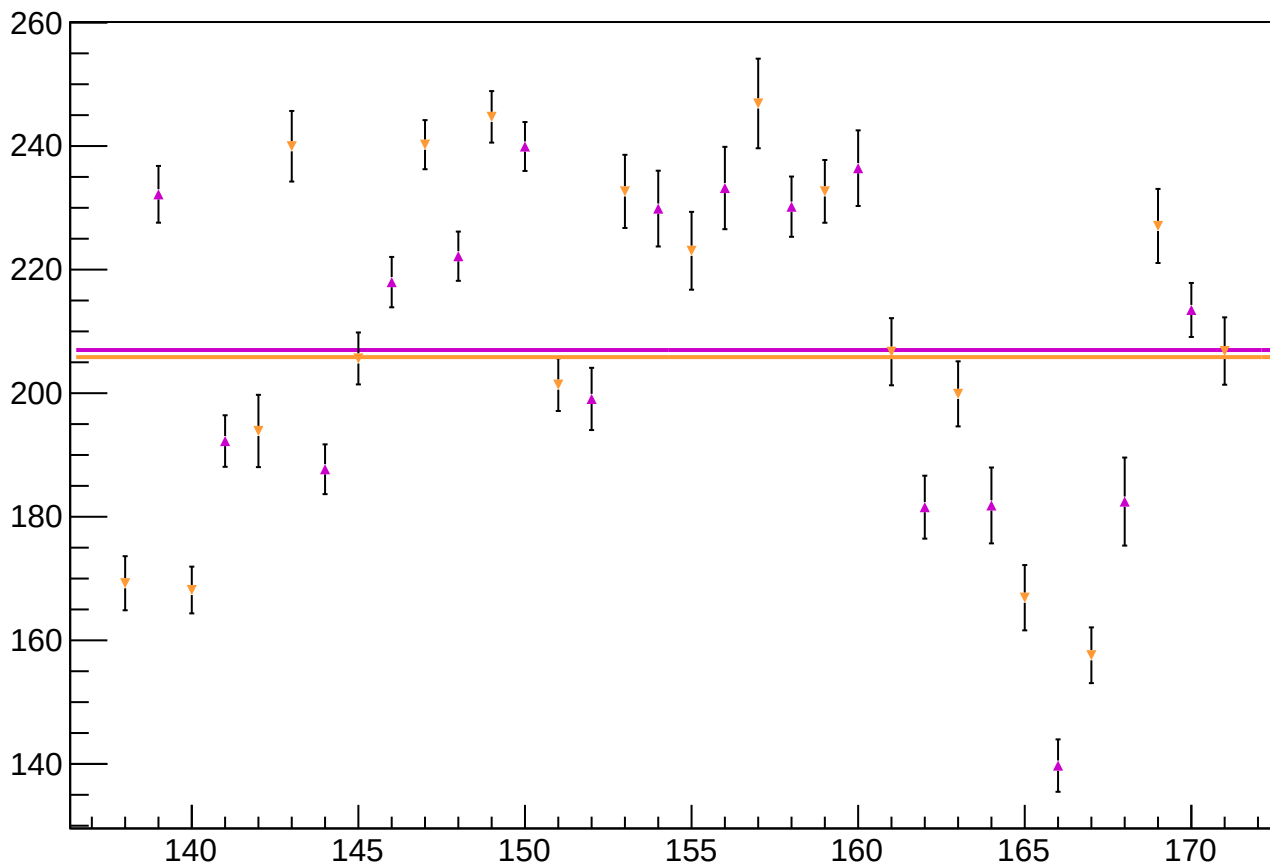
Right: -54.295+/-0.050 χ^2/NDF : 2192958.9/35

In: -109.556+/-0.043 χ^2/NDF : 2288932.1/32

Out: -112.768+/-0.043 χ^2/NDF : 2006532.3/36

All: -111.175+/-0.030 χ^2/NDF : 4298282.2/69

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 205.838+/-1.161 χ^2/NDF : 642.6/17

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

Left In: 206.986+/-1.192 χ^2/NDF : 541.2/15

Left: 206.397+/-0.832 χ^2/NDF : 1184.2/33

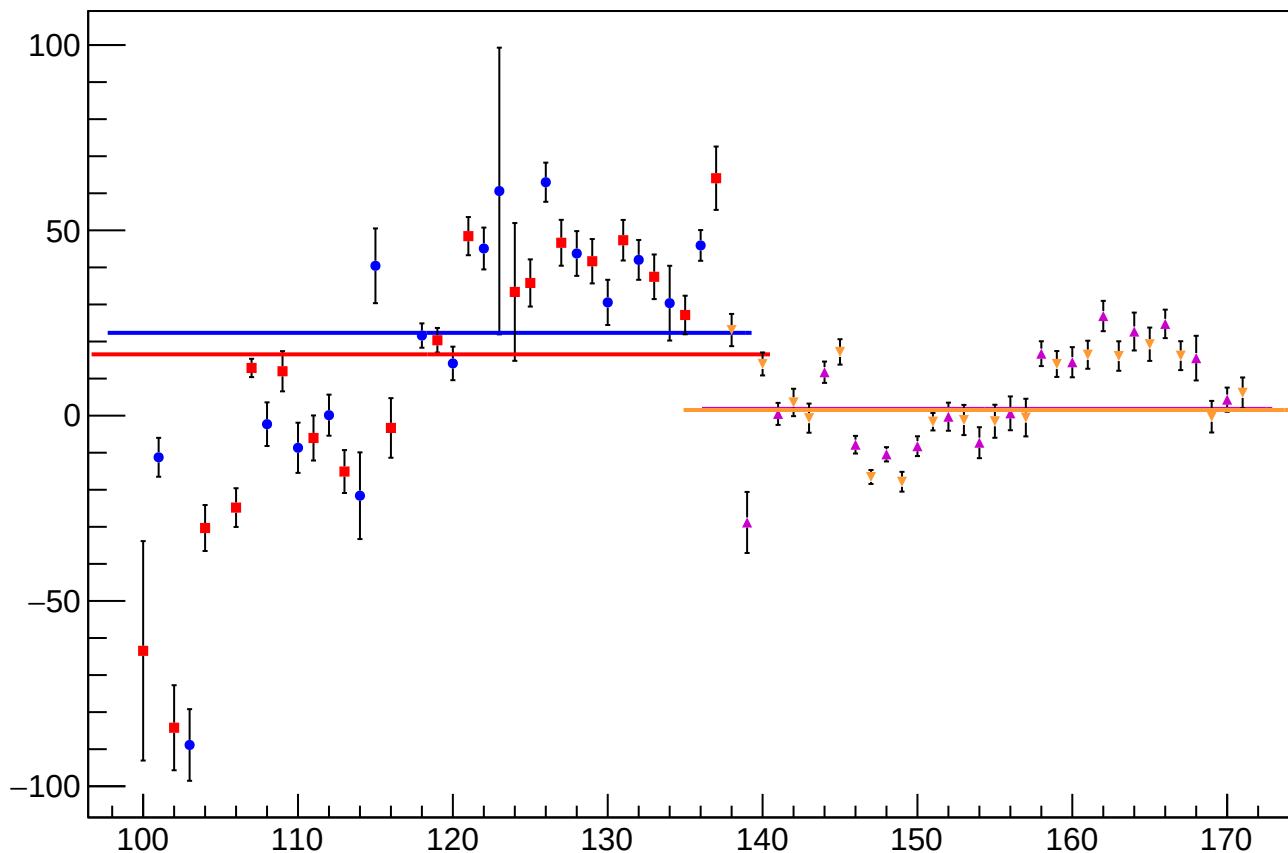
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 206.986+/-1.192 χ^2/NDF : 541.2/15

Out: 205.838+/-1.161 χ^2/NDF : 642.6/17

All: 206.397+/-0.832 χ^2/NDF : 1184.2/33

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342+/-1.395 χ^2/NDF : 385.8/16

Left Out: 1.522+/-0.797 χ^2/NDF :282.3/17

Right Out: 16.537+/-1.227 χ^2/NDF : 426.6/18

Left In: 1.825+/-0.832 χ^2/NDF :226.8/15

Left: 1.667+/-0.575 χ^2/NDF : 509.2/33

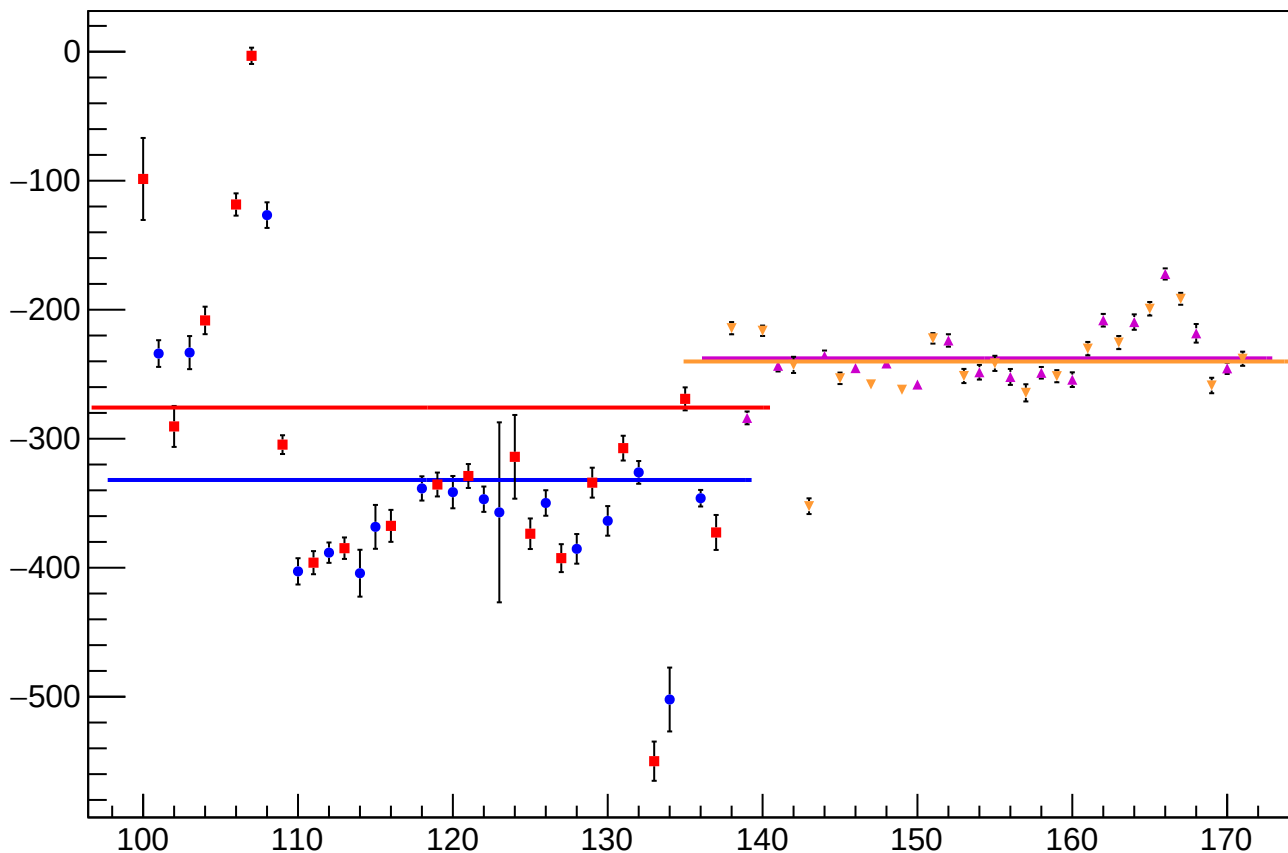
Right: 19.069+/-0.922 χ^2/NDF : 822.2/35

In: 7.205+/-0.714 χ^2/NDF :772.2/32

Out: 5.974+/-0.668 χ^2/NDF :814.2/36

All: 6.549+/-0.488 χ^2/NDF : 1587.9/69

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989 ± 2.580 $\chi^2/\text{NDF}: 785.0/16$

Left Out: -240.131 ± 1.149 $\chi^2/\text{NDF}: 702.3/17$

Right Out: -275.842 ± 2.325 $\chi^2/\text{NDF}: 3362.2/18$

Left In: -237.713 ± 1.170 $\chi^2/\text{NDF}: 452.7/15$

Left: -238.944 ± 0.820 $\chi^2/\text{NDF}: 1157.3/33$

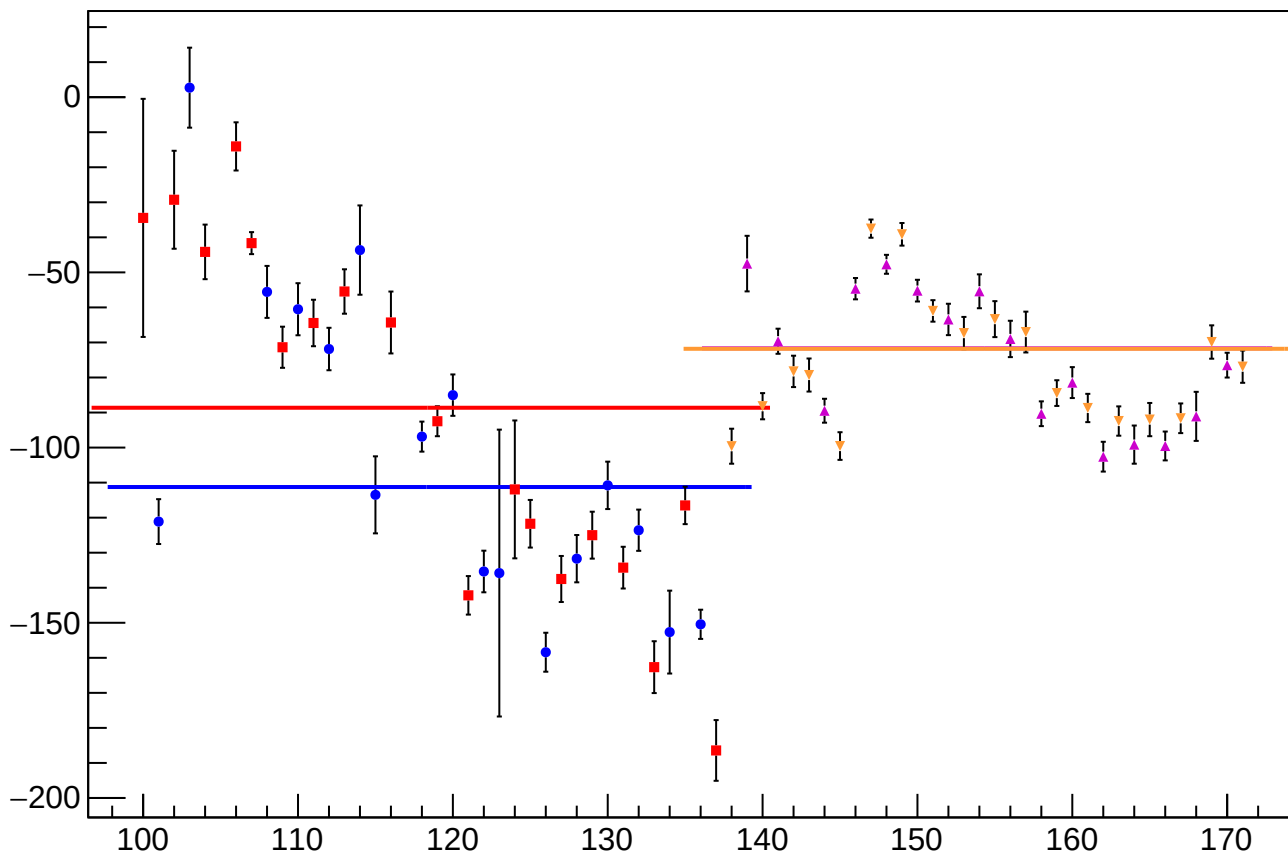
Right: -300.997 ± 1.727 $\chi^2/\text{NDF}: 4408.6/35$

In: -253.798 ± 1.066 $\chi^2/\text{NDF}: 2345.0/32$

Out: -247.140 ± 1.030 $\chi^2/\text{NDF}: 4254.3/36$

All: -250.355 ± 0.741 $\chi^2/\text{NDF}: 6619.4/69$

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: -71.809 ± 0.945 χ^2/NDF : 492.9/17

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

Left In: -71.674 ± 0.981 χ^2/NDF : 356.7/15

Left: -71.744 ± 0.681 χ^2/NDF : 849.5/33

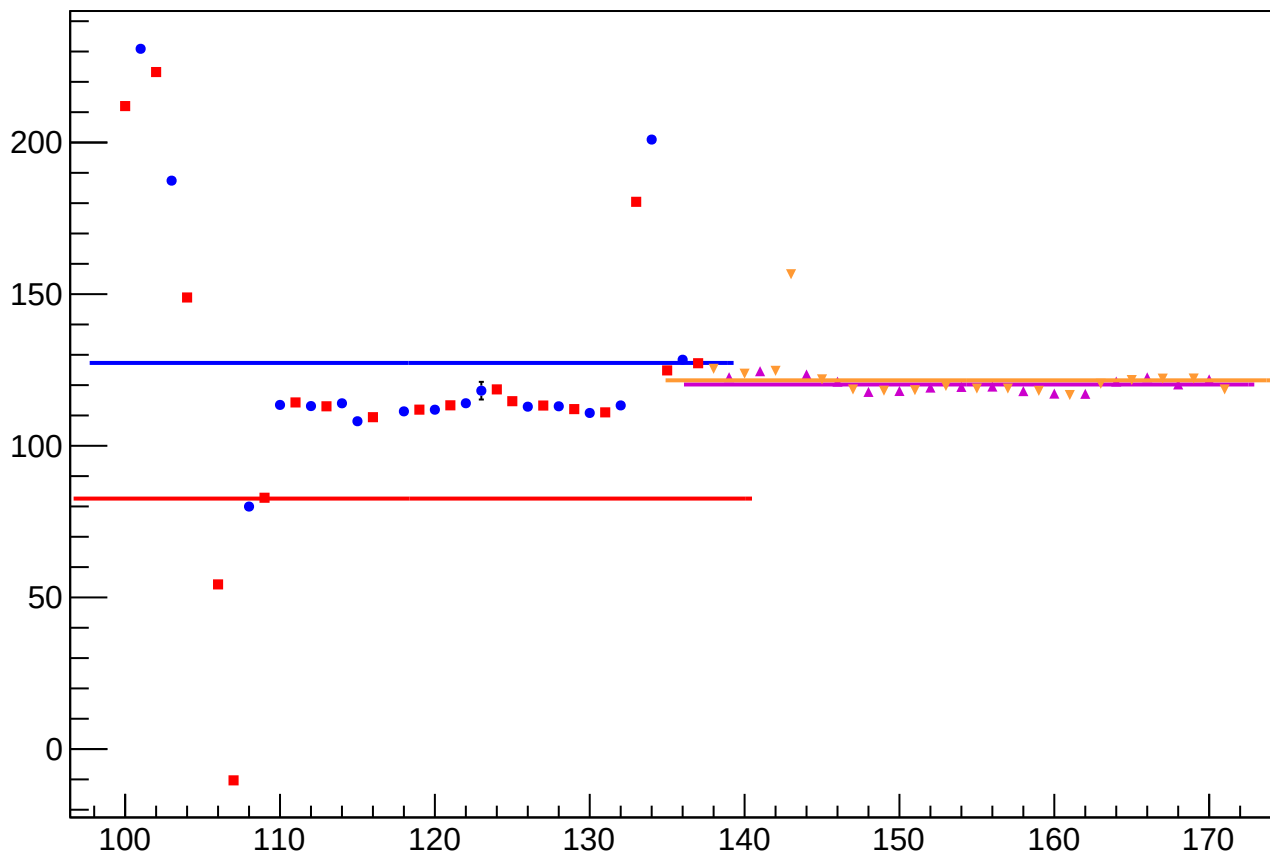
Right: -98.723 ± 1.067 χ^2/NDF : 1591.7/35

In: -82.520 ± 0.836 χ^2/NDF : 1312.1/32

Out: -76.908 ± 0.789 χ^2/NDF : 1559.9/36

All: -79.552 ± 0.574 χ^2/NDF : 2895.8/69

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: 121.585+/-0.046 χ^2/NDF : 23933.3/17

Right Out: 82.595+/-0.075 χ^2/NDF : 765022.5/18

Left In: 120.216+/-0.047 χ^2/NDF : 2513.6/15

Left: 120.913+/-0.033 χ^2/NDF : 26886.2/33

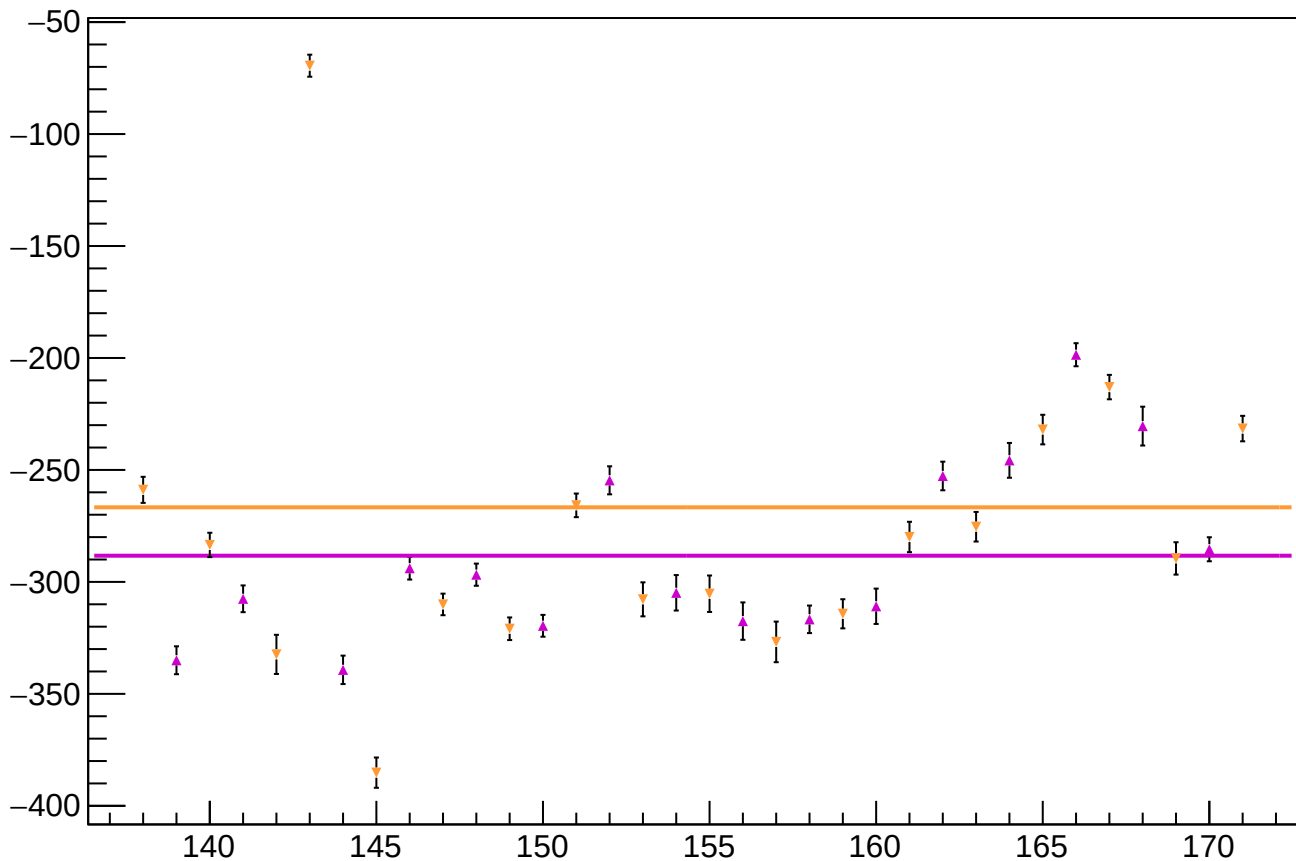
Right: 101.169+/-0.058 χ^2/NDF : 1099026.8/35

In: 121.732+/-0.041 χ^2/NDF : 195256.2/32

Out: 111.088+/-0.039 χ^2/NDF : 984496.5/36

All: 116.119+/-0.028 χ^2/NDF : 1214767.3/69

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: -266.690+/-1.448 χ^2/NDF :2503.0/17

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

Left In: -288.301+/-1.533 χ^2/NDF :660.6/15

Left: -276.875+/-1.053 χ^2/NDF : 3268.7/33

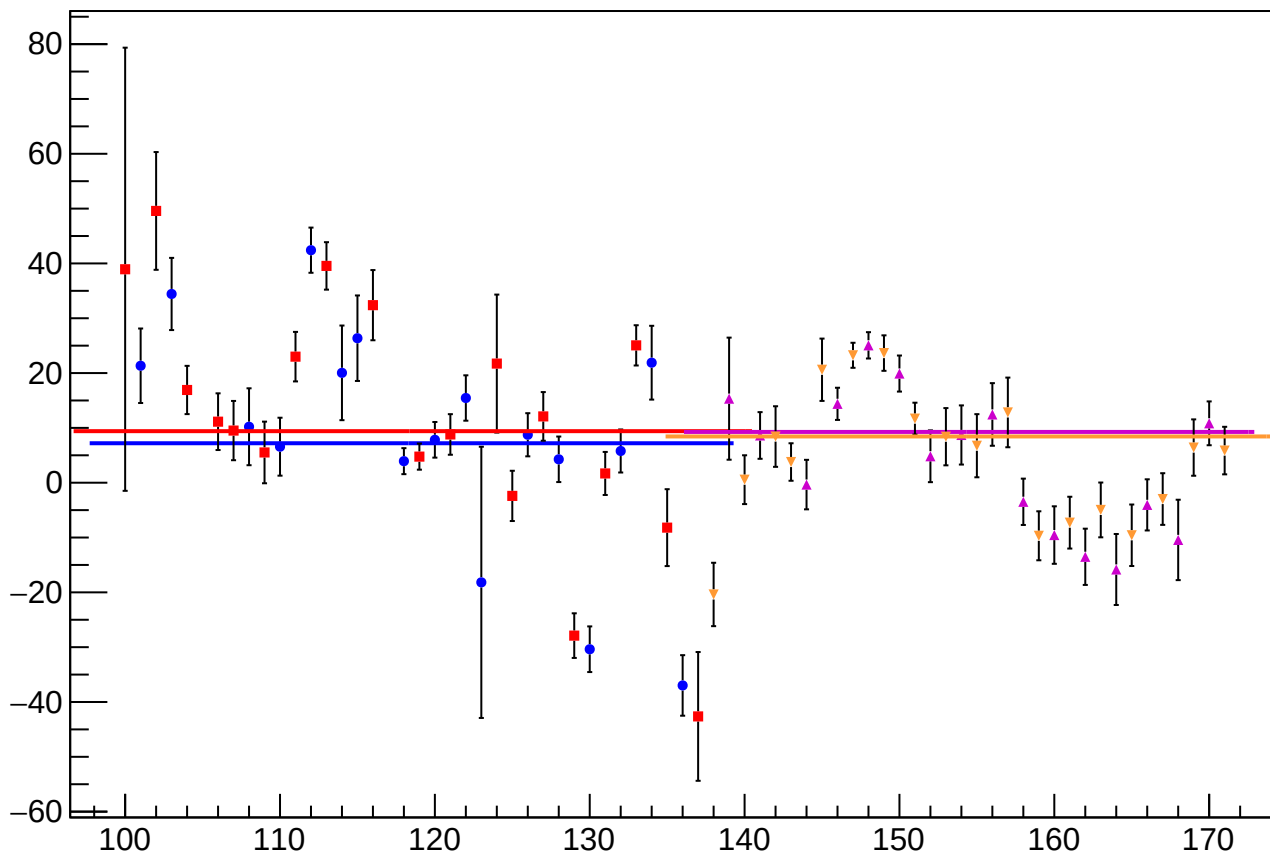
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -288.301+/-1.533 χ^2/NDF :660.6/15

Out: -266.690+/-1.448 χ^2/NDF :2503.0/17

All: -276.875+/-1.053 χ^2/NDF : 3268.7/33

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: 8.437 ± 0.986 χ^2/NDF : 151.8/17

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

Left In: 9.263 ± 1.063 χ^2/NDF : 135.1/15

Left: 8.819 ± 0.723 χ^2/NDF : 287.2/33

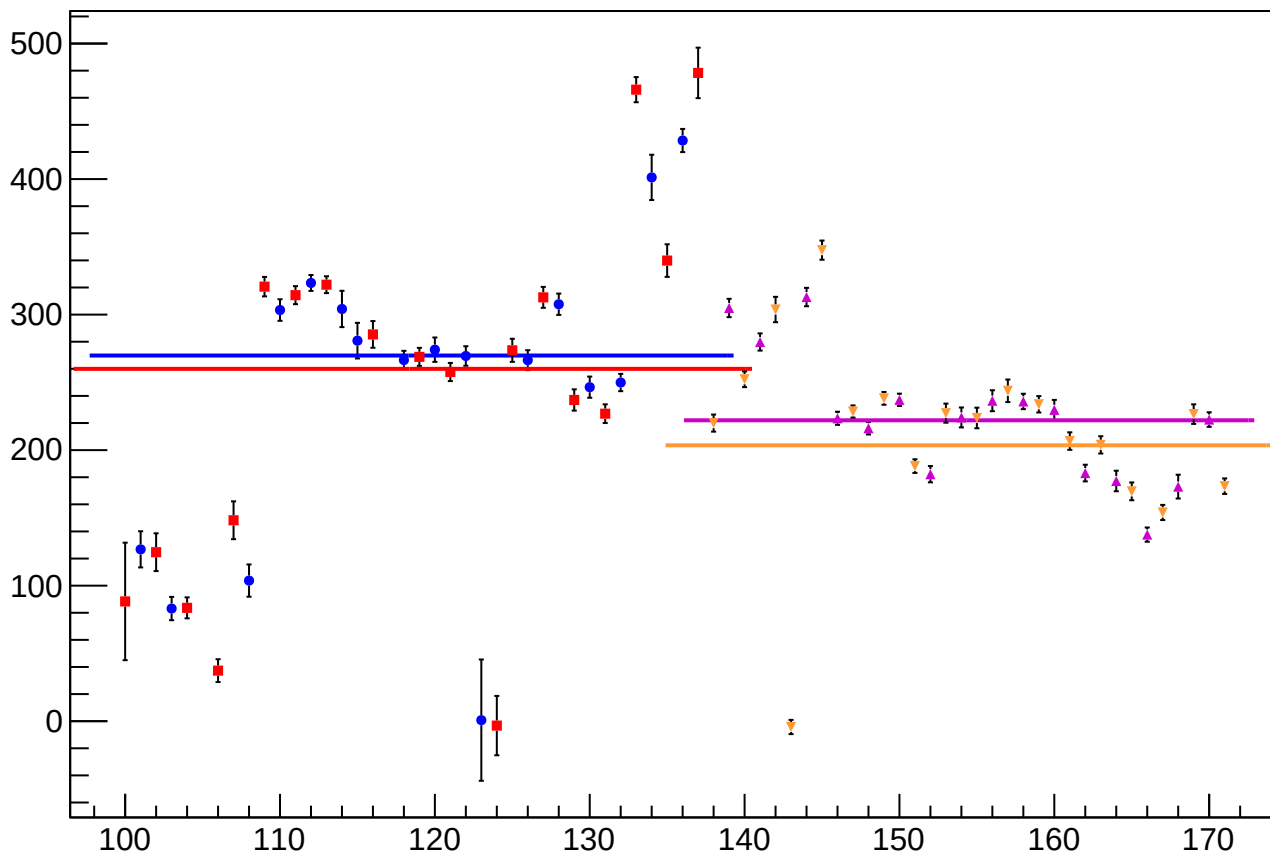
Right: 8.333 ± 0.768 χ^2/NDF : 495.1/35

In: 8.269 ± 0.765 χ^2/NDF : 397.8/32

Out: 8.880 ± 0.725 χ^2/NDF : 384.4/36

All: 8.591 ± 0.526 χ^2/NDF : 782.5/69

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: 203.554 $\pm$ 1.430 χ^2 /NDF:2473.7/17

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

Left In: 222.023 $\pm$ 1.498 χ^2 /NDF:844.1/15

Left: 212.361 $\pm$ 1.034 χ^2 /NDF: 3397.4/33

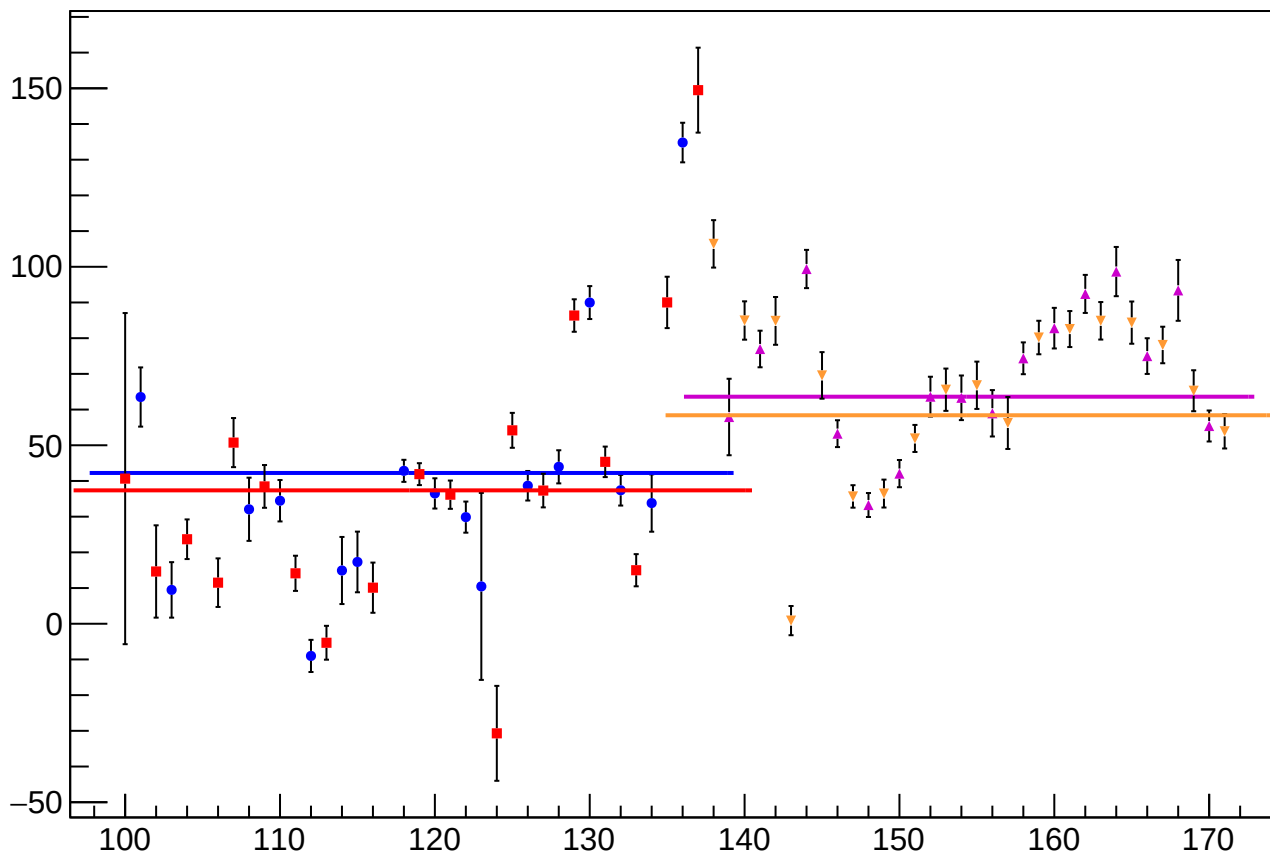
Right: 264.622 $\pm$ 1.436 χ^2 /NDF: 3924.4/35

In: 238.243 $\pm$ 1.217 χ^2 /NDF:2563.8/32

Out: 222.933 $\pm$ 1.159 χ^2 /NDF:5547.2/36

All: 230.211 $\pm$ 0.839 χ^2 /NDF: 8194.1/69

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 58.404 ± 1.170 $\chi^2/\text{NDF}: 488.8/17$

Right Out: 37.367 ± 1.235 $\chi^2/\text{NDF}: 472.3/18$

Left In: 63.604 ± 1.255 $\chi^2/\text{NDF}: 266.5/15$

Left: 60.824 ± 0.856 $\chi^2/\text{NDF}: 764.5/33$

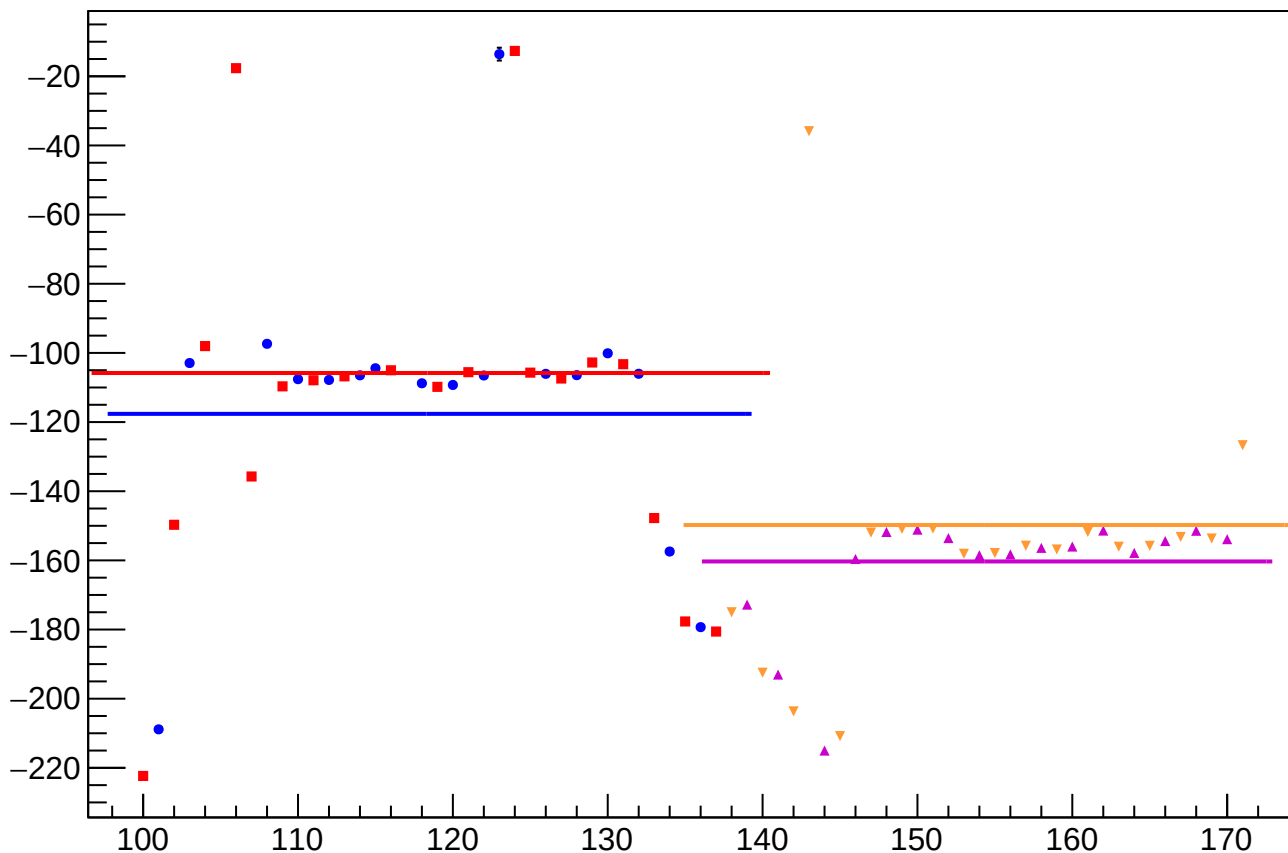
Right: 39.728 ± 0.886 $\chi^2/\text{NDF}: 1054.2/35$

In: 53.083 ± 0.894 $\chi^2/\text{NDF}: 983.7/32$

Out: 48.446 ± 0.849 $\chi^2/\text{NDF}: 1114.1/36$

All: 50.646 ± 0.616 $\chi^2/\text{NDF}: 2111.9/69$

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: -149.773+/-0.057 χ^2/NDF : 418057.8/17

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

Left In: -160.310+/-0.060 χ^2/NDF : 62313.9/15

Left: -154.793+/-0.041 χ^2/NDF : 496730.6/33

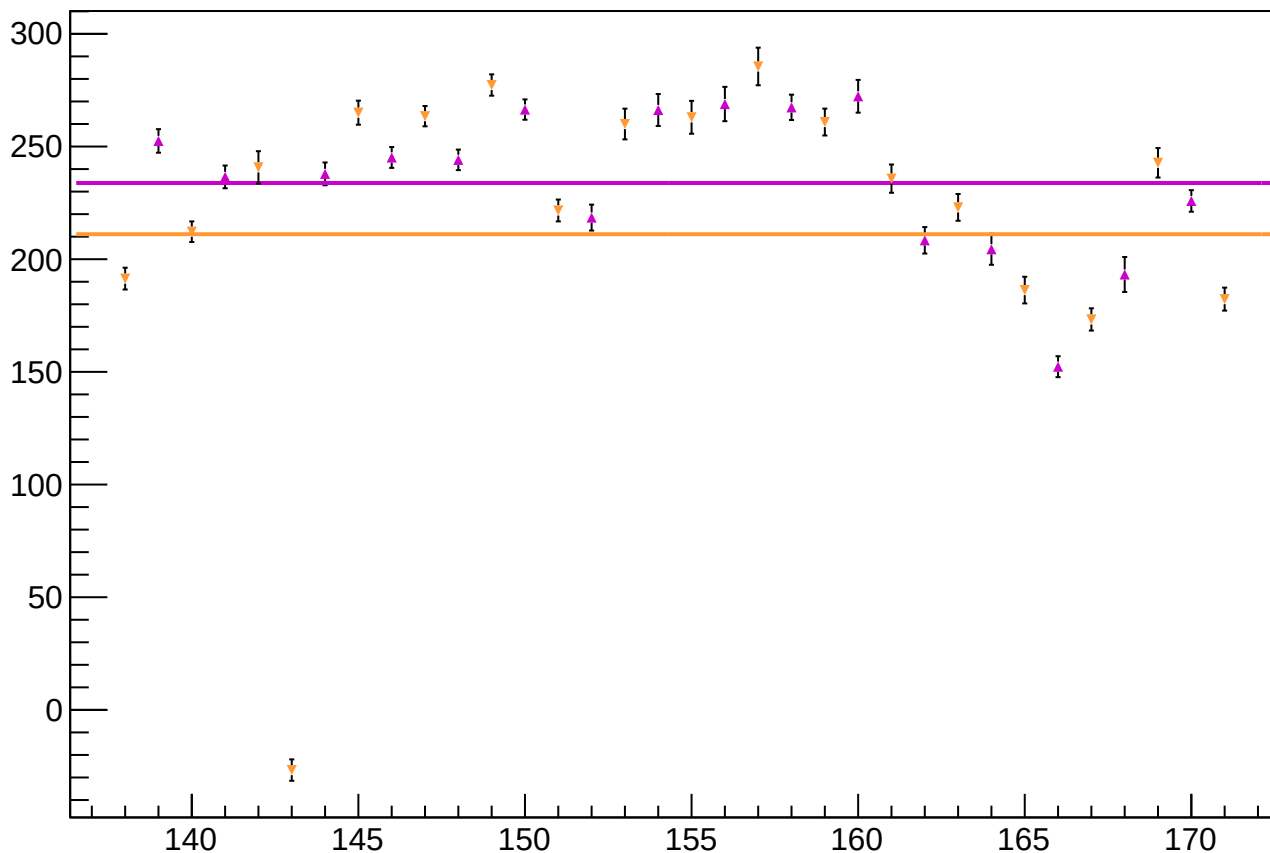
Right: -111.270+/-0.053 χ^2/NDF : 477157.6/35

In: -144.706+/-0.047 χ^2/NDF : 391641.1/32

Out: -133.116+/-0.045 χ^2/NDF : 967624.7/36

All: -138.577+/-0.033 χ^2/NDF : 1390779.0/69

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: 211.089+/-1.298 χ^2/NDF :3376.3/17

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

Left In: 233.821+/-1.369 χ^2/NDF :564.5/15

Left: 221.847+/-0.942 χ^2/NDF : 4086.1/33

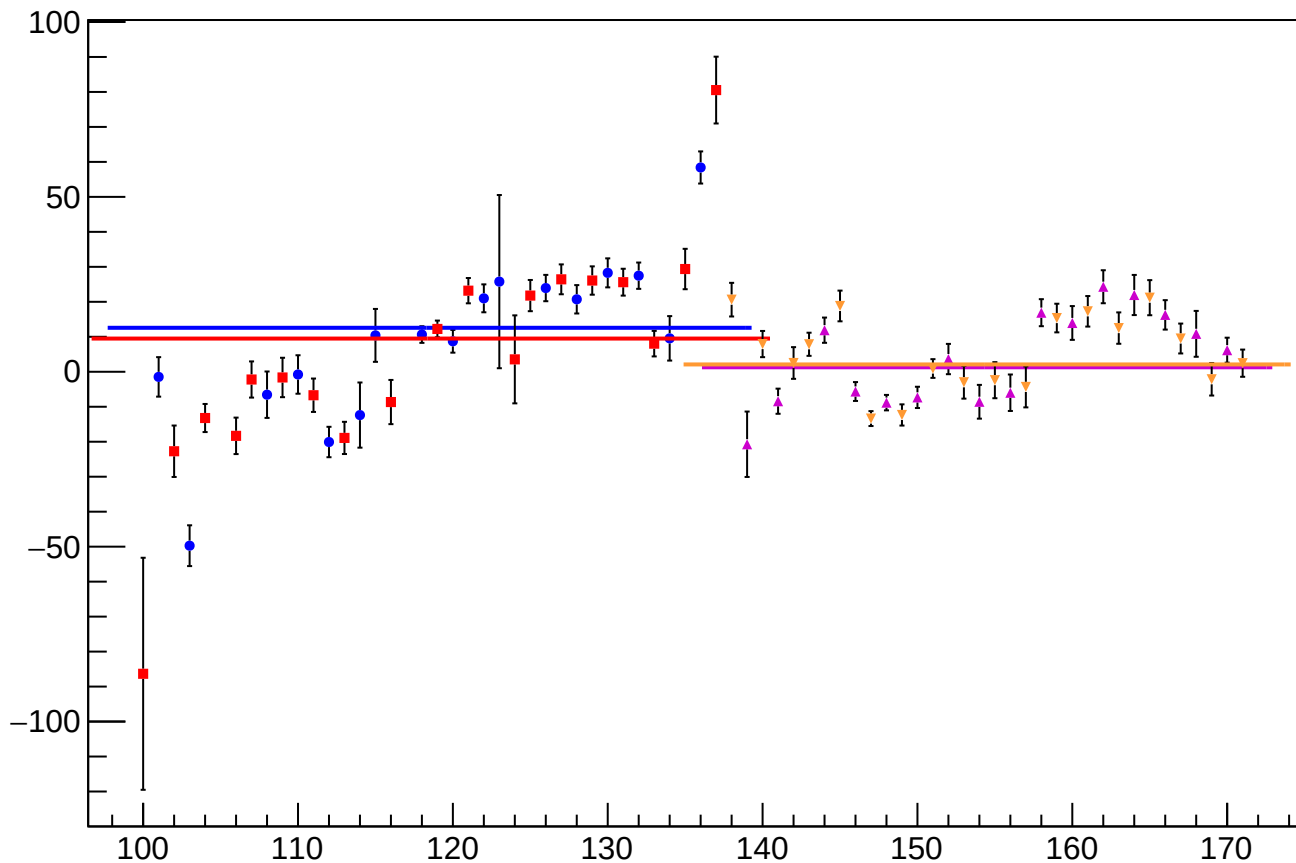
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 233.821+/-1.369 χ^2/NDF :564.5/15

Out: 211.089+/-1.298 χ^2/NDF :3376.3/17

All: 221.847+/-0.942 χ^2/NDF : 4086.1/33

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 $\pm$ 1.074 χ^2/NDF : 348.0/16

Left Out: 2.095 $\pm$ 0.892 χ^2/NDF :159.8/17

Right Out: 9.493 $\pm$ 1.047 χ^2/NDF : 295.8/18

Left In: 1.280 $\pm$ 0.957 χ^2/NDF :140.1/15

Left: 1.716 $\pm$ 0.653 χ^2/NDF : 300.3/33

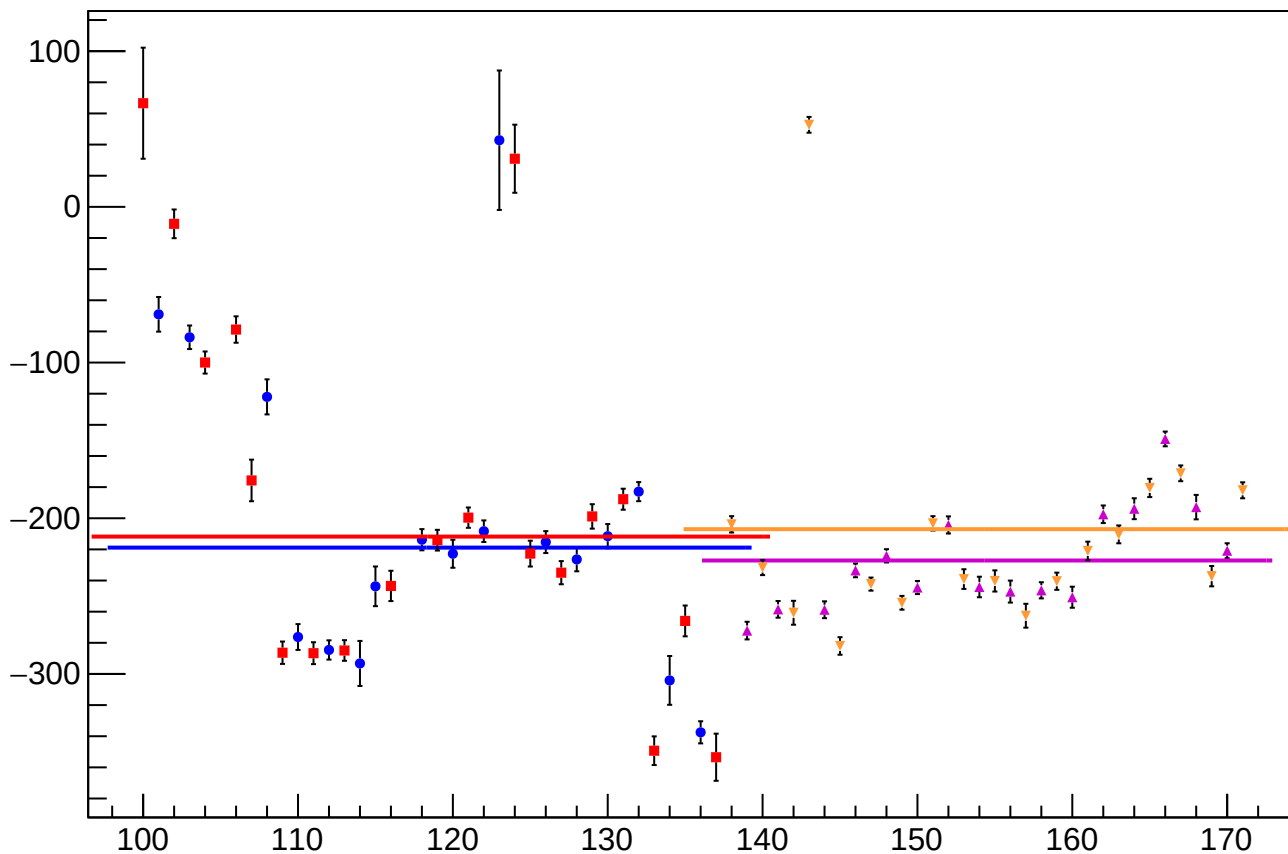
Right: 10.995 $\pm$ 0.750 χ^2/NDF : 648.0/35

In: 6.277 $\pm$ 0.714 χ^2/NDF :549.8/32

Out: 5.206 $\pm$ 0.679 χ^2/NDF :484.5/36

All: 5.714 $\pm$ 0.492 χ^2/NDF : 1035.5/69

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: -207.013 ± 1.286 χ^2/NDF : 3316.3/17

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

Left In: -227.131 ± 1.342 χ^2/NDF : 553.5/15

Left: -216.644 ± 0.929 χ^2/NDF : 3987.0/33

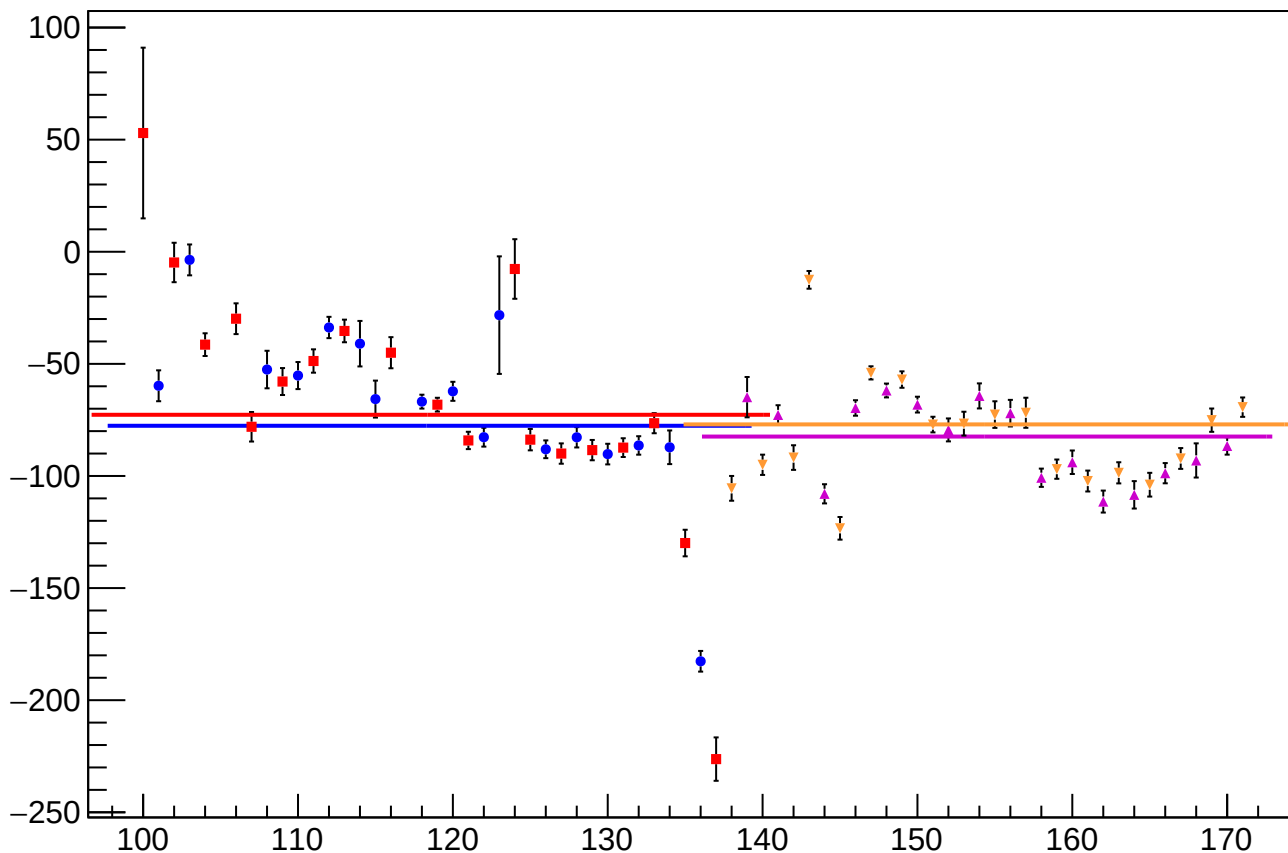
Right: -215.141 ± 1.394 χ^2/NDF : 3038.2/35

In: -224.601 ± 1.118 χ^2/NDF : 1711.7/32

Out: -208.485 ± 1.069 χ^2/NDF : 5205.7/36

All: -216.182 ± 0.773 χ^2/NDF : 7025.9/69

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: -76.998 ± 1.057 χ^2/NDF : 603.9/17

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

Left In: -82.421 ± 1.128 χ^2/NDF : 227.0/15

Left: -79.535 ± 0.771 χ^2/NDF : 843.2/33

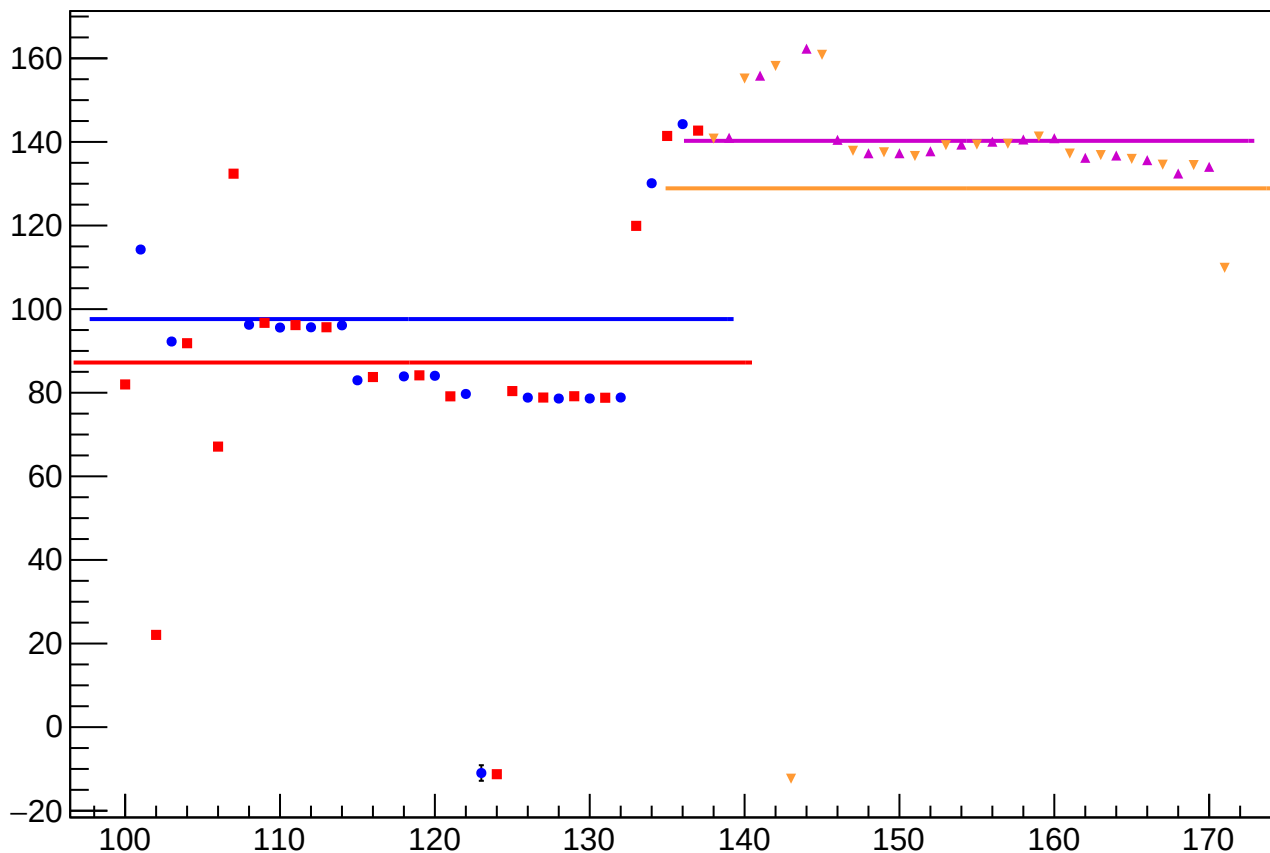
Right: -75.100 ± 0.863 χ^2/NDF : 1495.4/35

In: -80.237 ± 0.833 χ^2/NDF : 1051.1/32

Out: -75.135 ± 0.795 χ^2/NDF : 1282.5/36

All: -77.566 ± 0.575 χ^2/NDF : 2353.2/69

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: 128.895 $\pm$ 0.051 χ^2 /NDF: 562758.3/17

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

Left In: 140.260 $\pm$ 0.053 χ^2 /NDF: 17474.4/15

Left: 134.328 $\pm$ 0.037 χ^2 /NDF: 603878.4/33

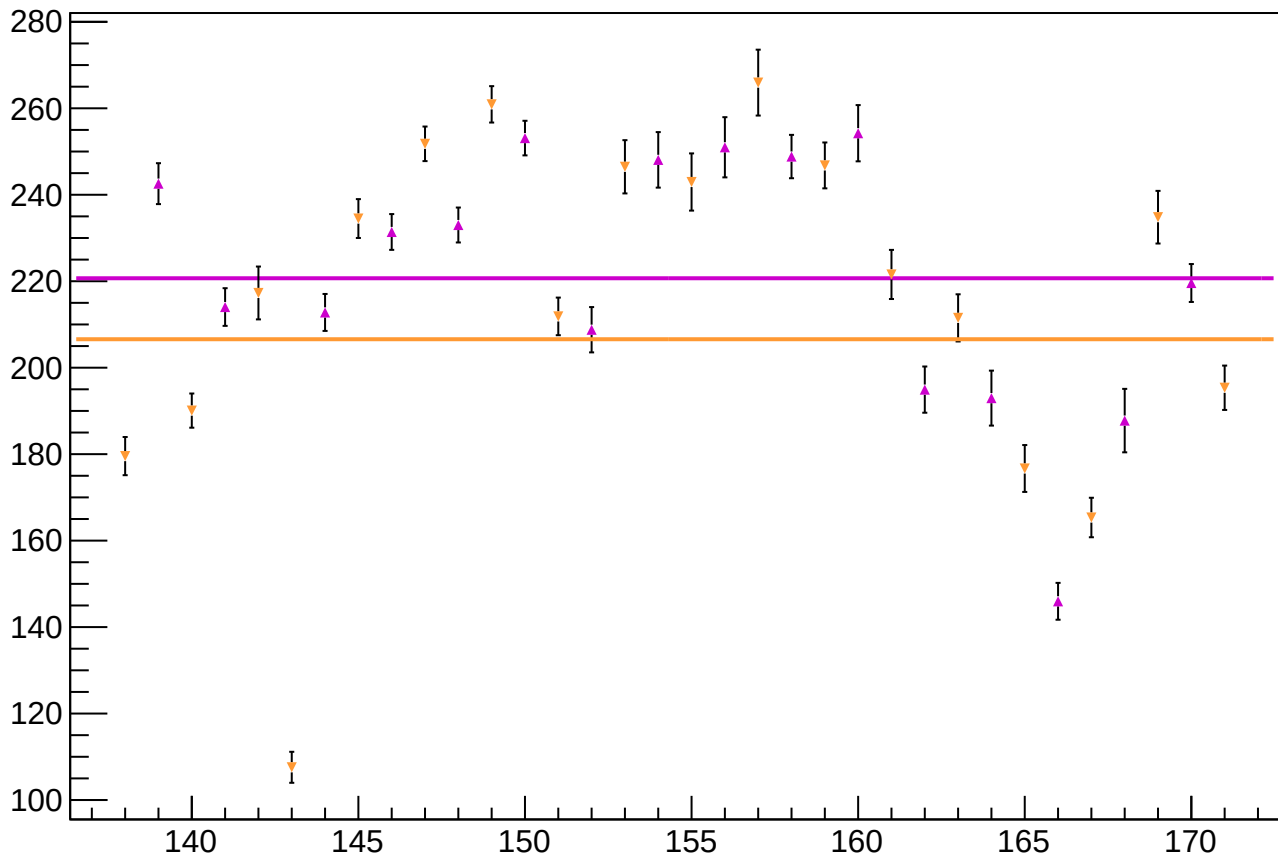
Right: 92.025 $\pm$ 0.050 χ^2 /NDF: 325598.1/35

In: 125.587 $\pm$ 0.043 χ^2 /NDF: 330996.7/32

Out: 113.933 $\pm$ 0.041 χ^2 /NDF: 1022387.7/36

All: 119.437 $\pm$ 0.030 χ^2 /NDF: 1391717.3/69

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 206.584 $\pm$ 1.151 χ^2/NDF :1491.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 220.687 $\pm$ 1.227 χ^2/NDF :578.9/15

Left: 213.186 $\pm$ 0.840 χ^2/NDF : 2140.7/33

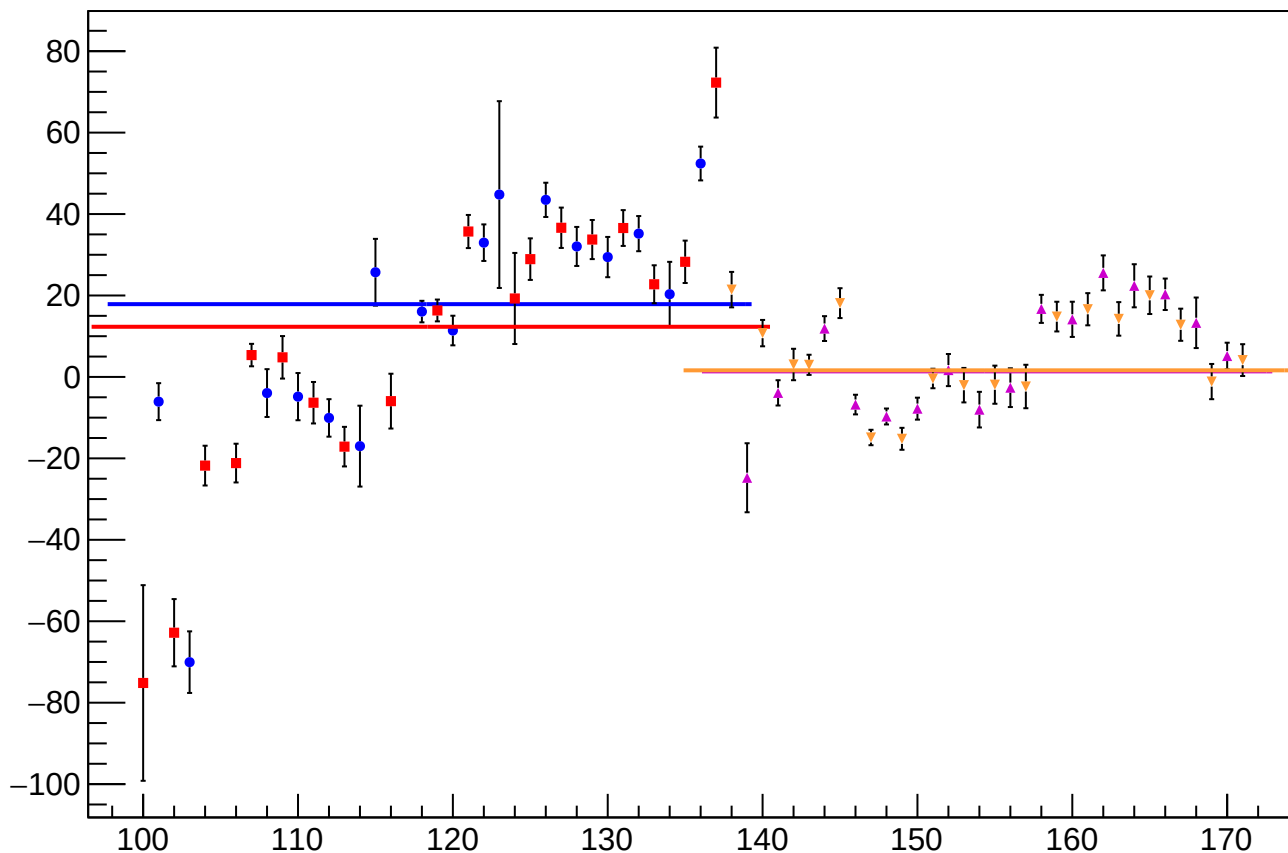
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 220.687 $\pm$ 1.227 χ^2/NDF :578.9/15

Out: 206.584 $\pm$ 1.151 χ^2/NDF :1491.5/17

All: 213.186 $\pm$ 0.840 χ^2/NDF : 2140.7/33

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872+/-1.166 χ^2/NDF : 395.3/16

Left Out: 1.618+/-0.789 χ^2/NDF : 228.5/17

Right Out: 12.317+/-1.083 χ^2/NDF : 444.0/18

Left In: 1.362+/-0.854 χ^2/NDF : 189.7/15

Left: 1.500+/-0.579 χ^2/NDF : 418.3/33

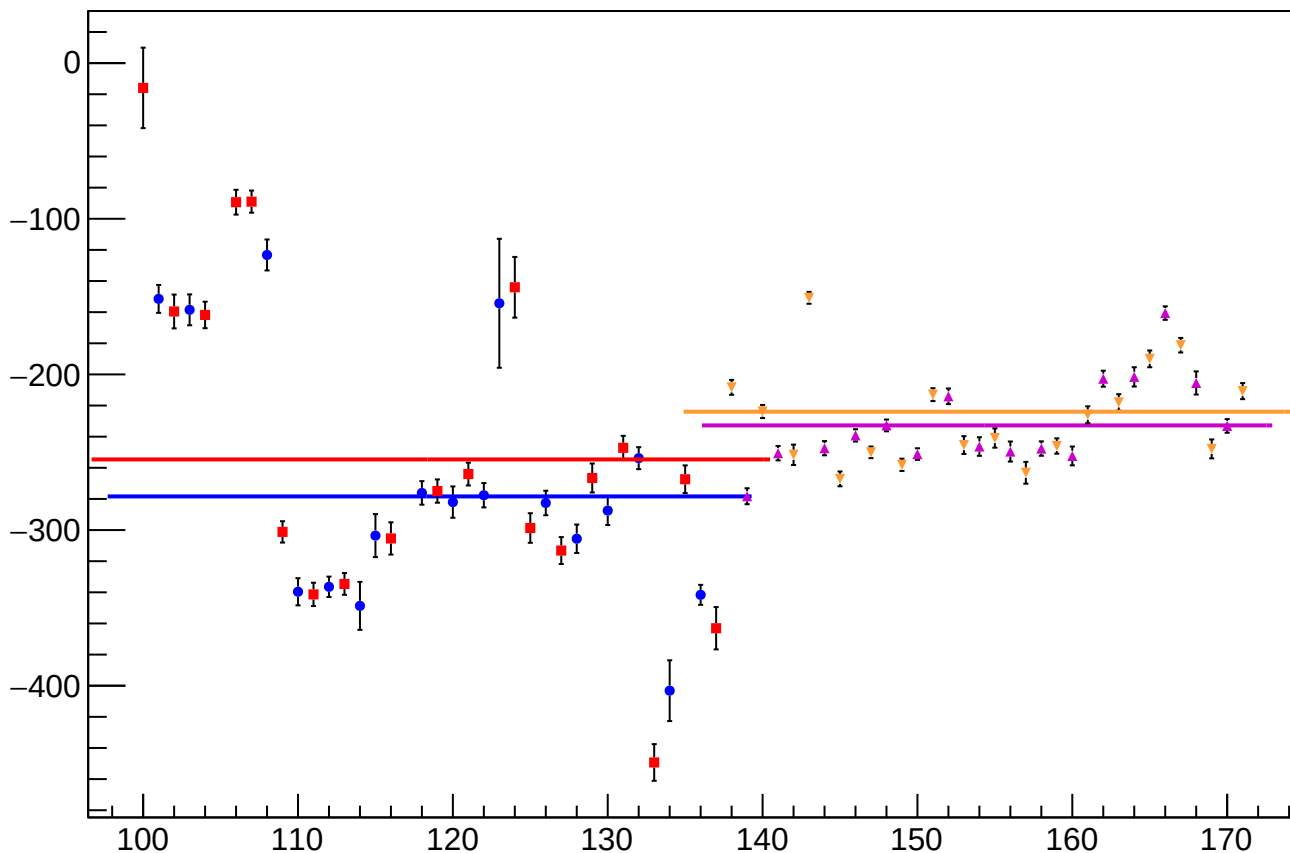
Right: 14.891+/-0.794 χ^2/NDF : 851.6/35

In: 7.129+/-0.689 χ^2/NDF : 715.6/32

Out: 5.323+/-0.638 χ^2/NDF : 736.3/36

All: 6.156+/-0.468 χ^2/NDF : 1455.6/69

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -223.943 ± 1.144 χ^2/NDF : 827.2/17

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

Left In: -232.767 ± 1.204 χ^2/NDF : 526.4/15

Left: -228.131 ± 0.829 χ^2/NDF : 1381.8/33

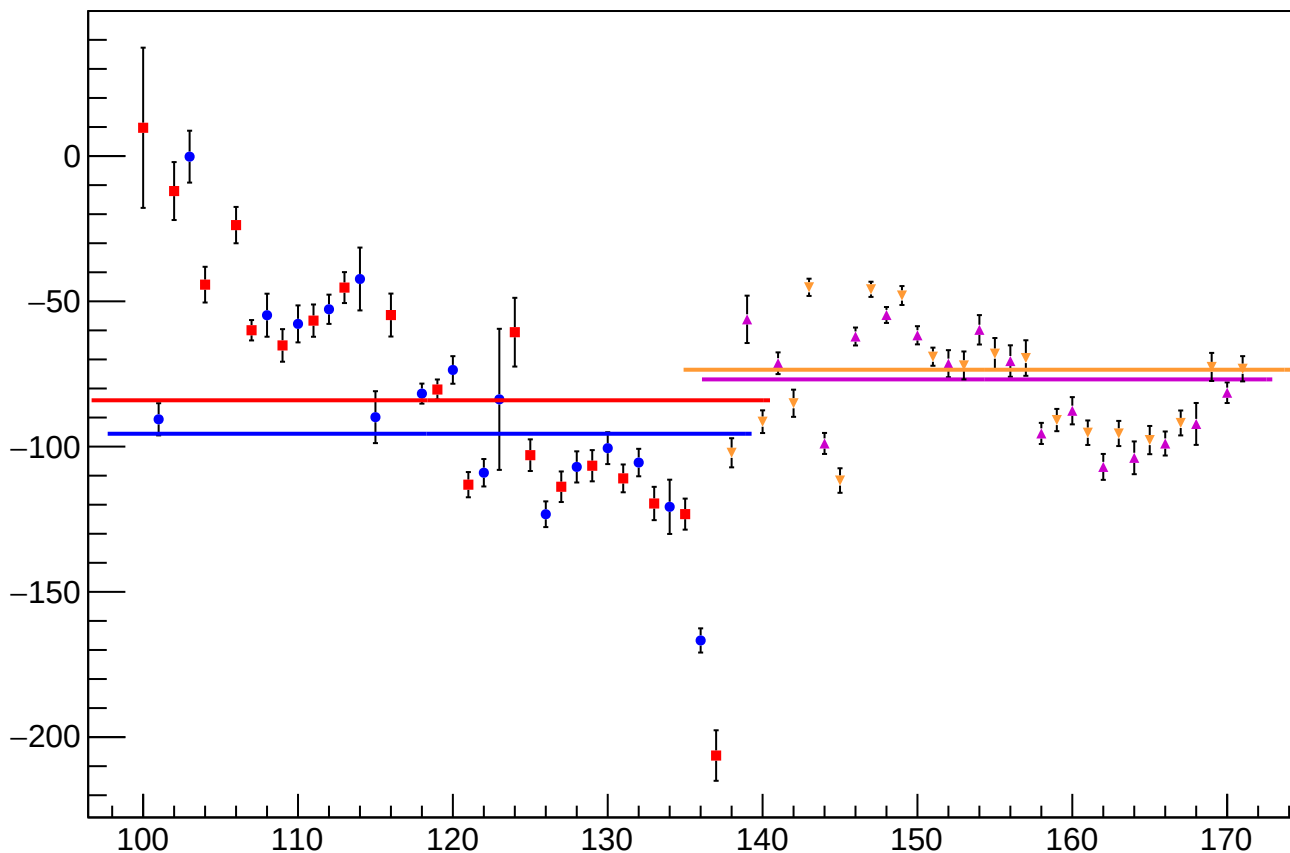
Right: -265.560 ± 1.483 χ^2/NDF : 3011.9/35

In: -243.389 ± 1.054 χ^2/NDF : 1771.4/32

Out: -231.392 ± 0.996 χ^2/NDF : 3039.1/36

All: -237.047 ± 0.724 χ^2/NDF : 4878.9/69

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: -73.540 ± 0.937 χ^2/NDF : 525.6/17

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

Left In: -76.872 ± 1.009 χ^2/NDF : 306.4/15

Left: -75.084 ± 0.687 χ^2/NDF : 837.8/33

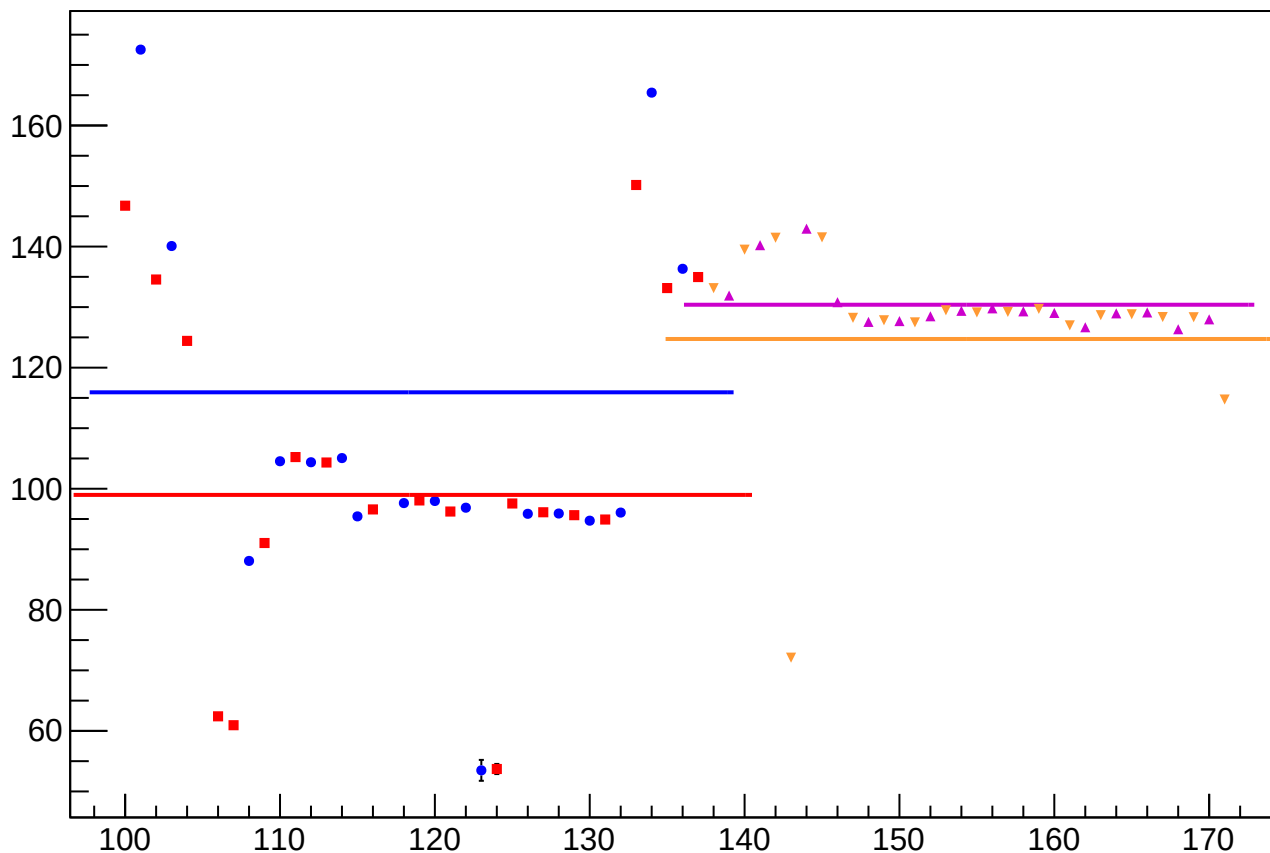
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -83.636 ± 0.806 χ^2/NDF : 1102.0/32

Out: -77.300 ± 0.751 χ^2/NDF : 1353.8/36

All: -80.245 ± 0.550 χ^2/NDF : 2488.8/69

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927+/-0.078 χ^2/NDF : 105791.4/16

Left Out: 124.735+/-0.046 χ^2/NDF :145680.8/17

Right Out: 98.981+/-0.069 χ^2/NDF : 172974.2/18

Left In: 130.392+/-0.048 χ^2/NDF :8420.3/15

Left: 127.422+/-0.033 χ^2/NDF : 161403.1/33

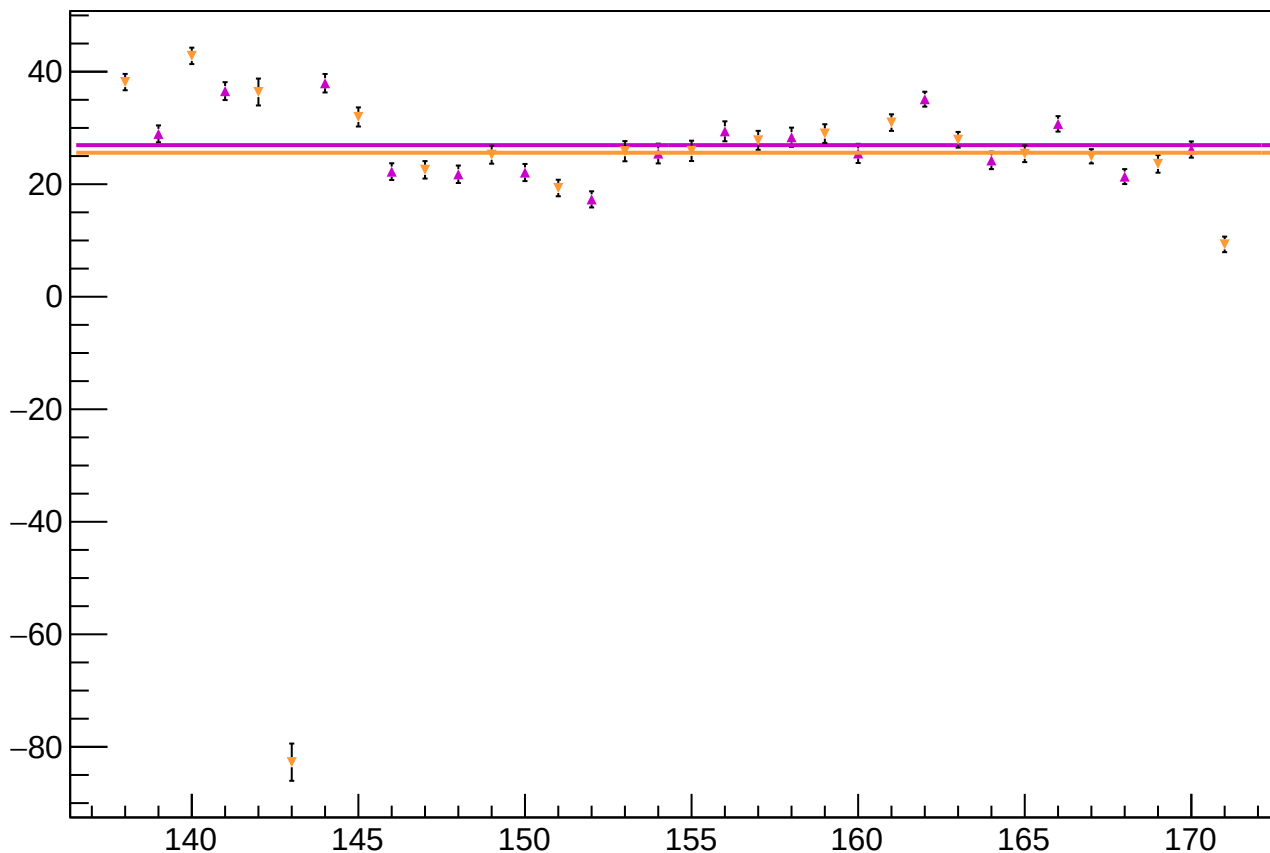
Right: 106.321+/-0.052 χ^2/NDF : 305233.1/35

In: 126.454+/-0.041 χ^2/NDF :138970.1/32

Out: 116.830+/-0.038 χ^2/NDF :416474.6/36

All: 121.284+/-0.028 χ^2/NDF : 585164.8/69

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 25.594+/-0.374 χ^2/NDF :1503.5/17

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

Left In: 26.942+/-0.381 χ^2/NDF :230.3/15

Left: 26.256+/-0.267 χ^2/NDF : 1740.2/33

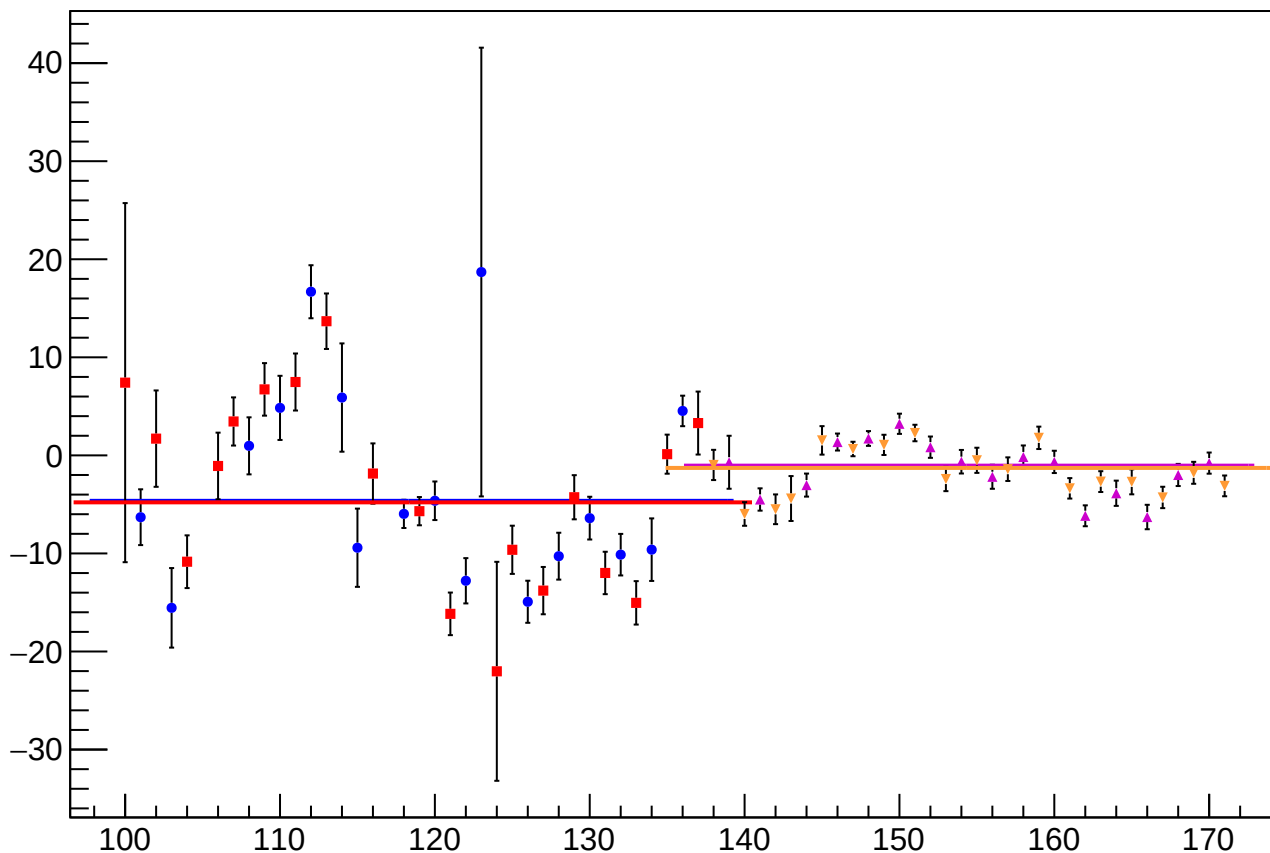
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 26.942+/-0.381 χ^2/NDF :230.3/15

Out: 25.594+/-0.374 χ^2/NDF :1503.5/17

All: 26.256+/-0.267 χ^2/NDF : 1740.2/33

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -1.280 ± 0.266 χ^2/NDF : 84.8/17

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

Left In: -1.048 ± 0.276 χ^2/NDF : 101.4/15

Left: -1.168 ± 0.192 χ^2/NDF : 186.5/33

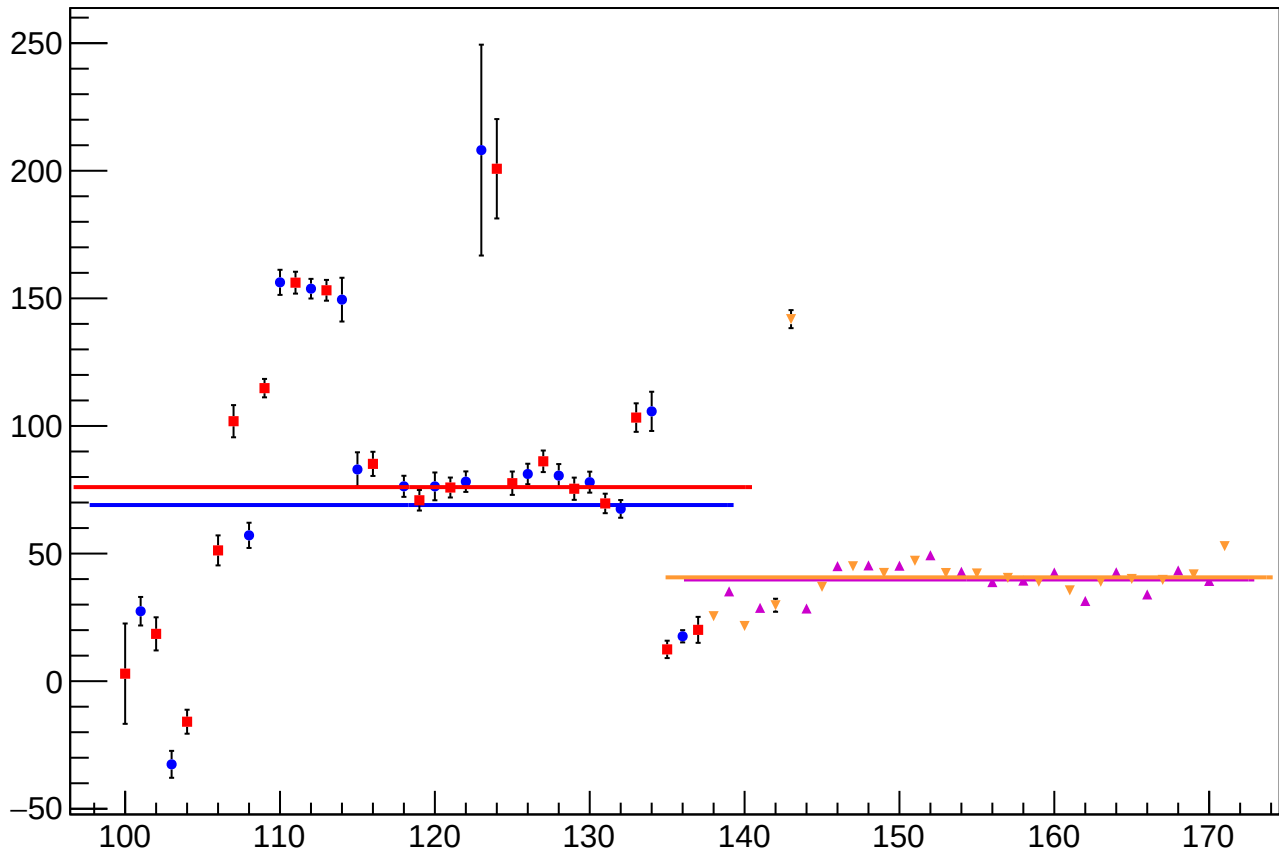
Right: -4.714 ± 0.414 χ^2/NDF : 367.0/35

In: -1.696 ± 0.250 χ^2/NDF : 306.4/32

Out: -1.884 ± 0.242 χ^2/NDF : 307.2/36

All: -1.793 ± 0.174 χ^2/NDF : 613.8/69

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019 ± 1.083 $\chi^2/\text{NDF}: 1848.0/16$

Left Out: 40.683 ± 0.368 $\chi^2/\text{NDF}: 1214.1/17$

Right Out: 76.041 ± 1.070 $\chi^2/\text{NDF}: 1881.9/18$

Left In: 39.845 ± 0.373 $\chi^2/\text{NDF}: 261.9/15$

Left: 40.270 ± 0.262 $\chi^2/\text{NDF}: 1478.6/33$

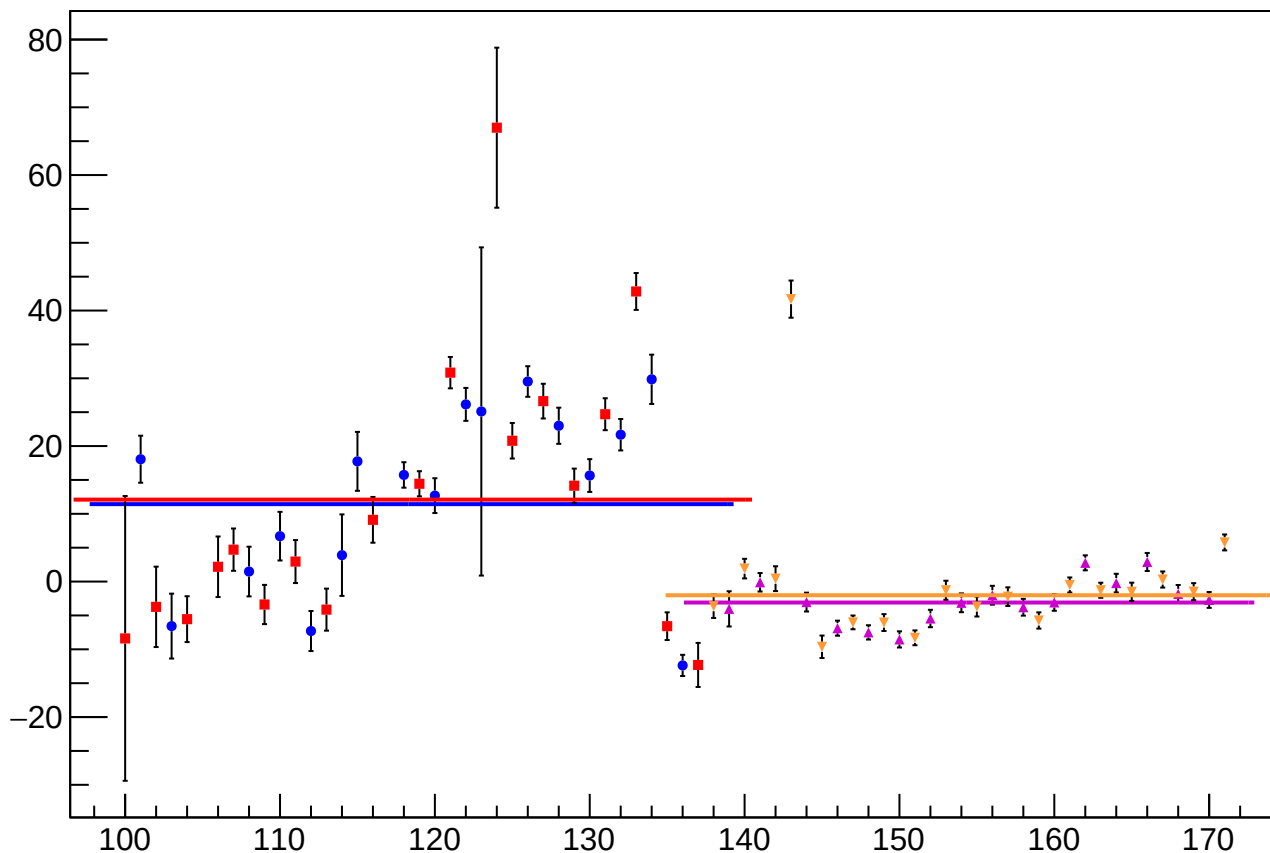
Right: 72.574 ± 0.761 $\chi^2/\text{NDF}: 3751.2/35$

In: 42.938 ± 0.353 $\chi^2/\text{NDF}: 2758.1/32$

Out: 44.424 ± 0.348 $\chi^2/\text{NDF}: 4072.7/36$

All: 43.691 ± 0.248 $\chi^2/\text{NDF}: 6839.8/69$

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: -2.019 ± 0.309 $\chi^2/\text{NDF}: 405.7/17$

Right Out: 12.095 ± 0.664 $\chi^2/\text{NDF}: 539.1/18$

Left In: -3.094 ± 0.320 $\chi^2/\text{NDF}: 112.7/15$

Left: -2.539 ± 0.222 $\chi^2/\text{NDF}: 524.2/33$

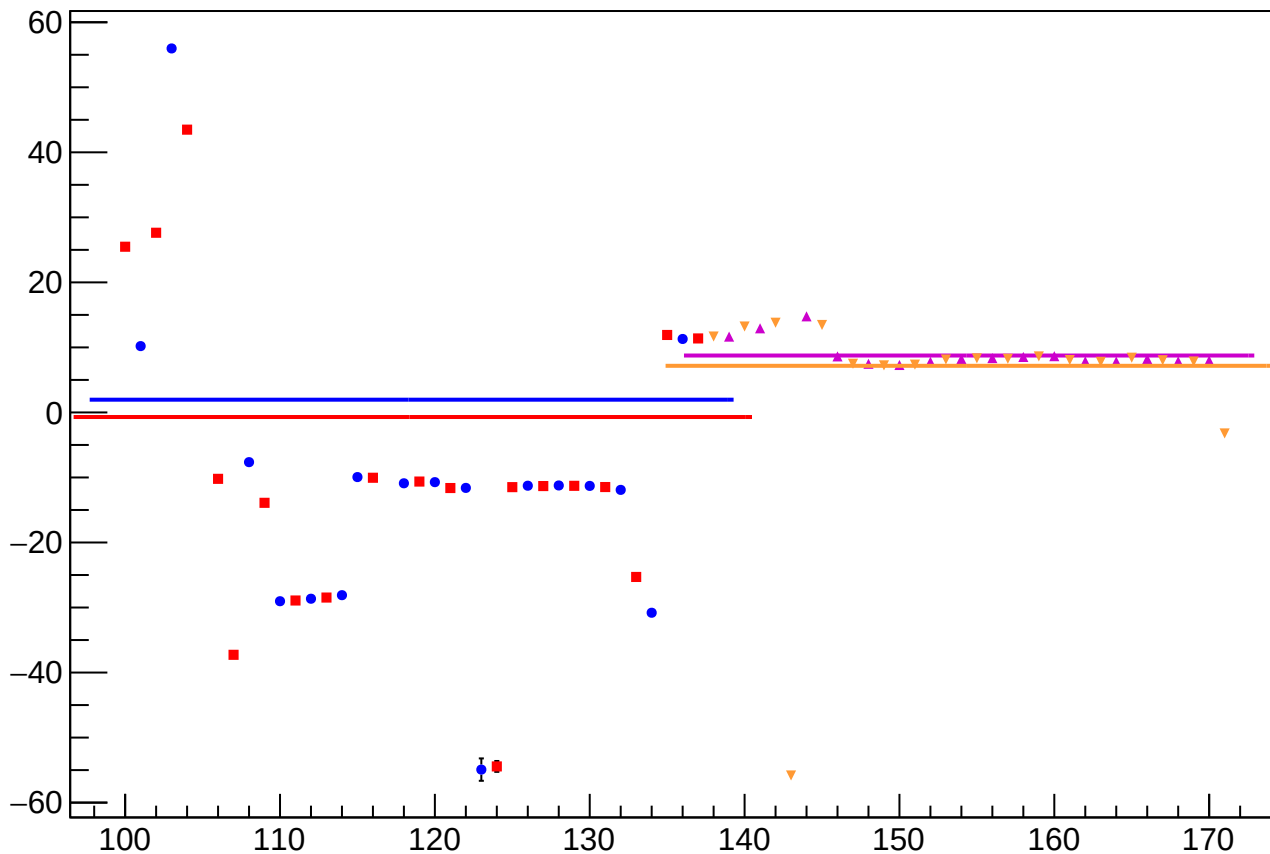
Right: 11.762 ± 0.470 $\chi^2/\text{NDF}: 1016.4/35$

In: -0.372 ± 0.288 $\chi^2/\text{NDF}: 976.4/32$

Out: 0.493 ± 0.280 $\chi^2/\text{NDF}: 1316.3/36$

All: 0.073 ± 0.201 $\chi^2/\text{NDF}: 2297.3/69$

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: 7.171 $\pm$ 0.014 χ^2/NDF : 271494.7/17

Right Out: -0.704 $\pm$ 0.037 χ^2/NDF : 361168.6/18

Left In: 8.752 $\pm$ 0.015 χ^2/NDF : 15088.3/15

Left: 7.945 $\pm$ 0.010 χ^2/NDF : 292571.7/33

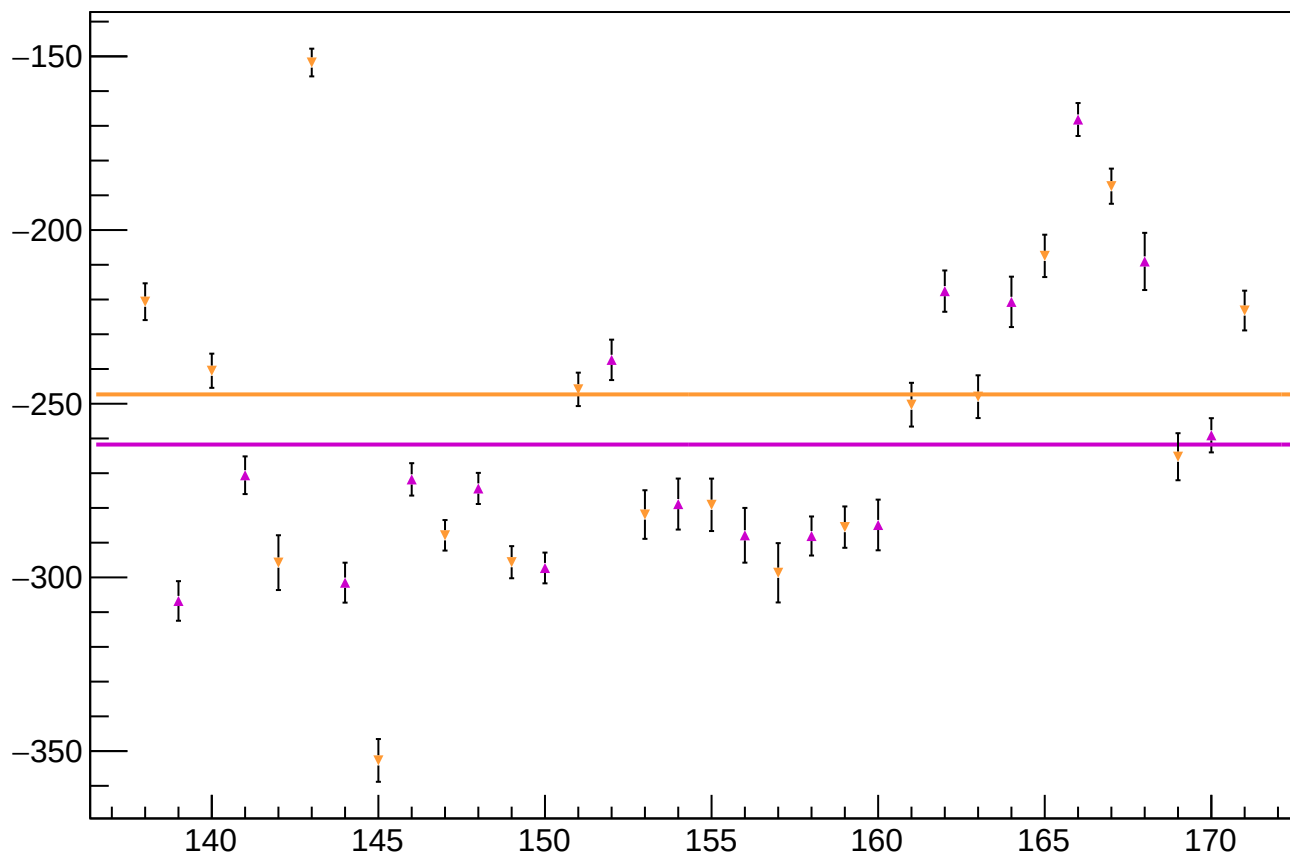
Right: 0.627 $\pm$ 0.026 χ^2/NDF : 722198.2/35

In: 7.843 $\pm$ 0.014 χ^2/NDF : 402502.0/32

Out: 6.153 $\pm$ 0.013 χ^2/NDF : 671848.6/36

All: 6.983 $\pm$ 0.010 χ^2/NDF : 1082224.2/69

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: -247.317+/-1.320 χ^2/NDF :1453.5/17

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

Left In: -261.750+/-1.408 χ^2/NDF :773.7/15

Left: -254.068+/-0.963 χ^2/NDF : 2283.0/33

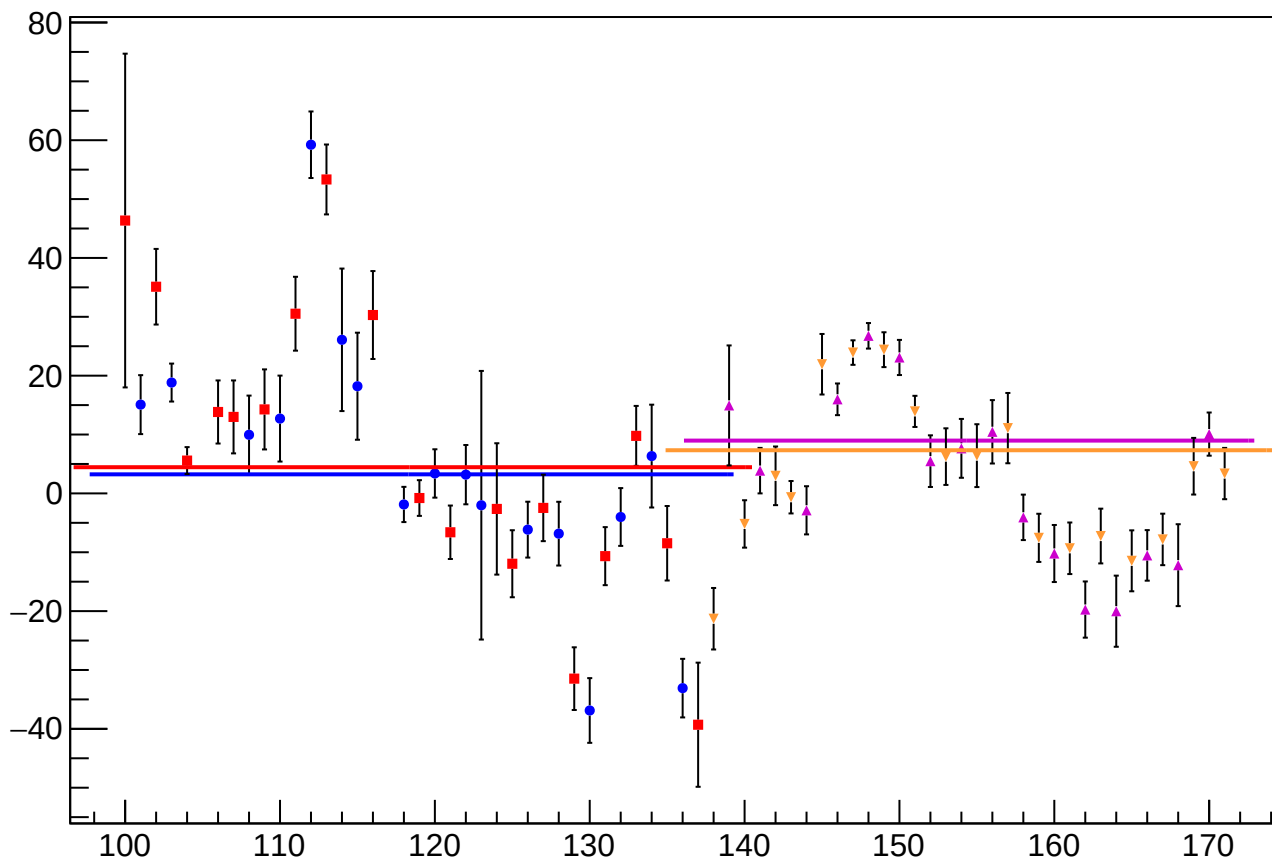
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -261.750+/-1.408 χ^2/NDF :773.7/15

Out: -247.317+/-1.320 χ^2/NDF :1453.5/17

All: -254.068+/-0.963 χ^2/NDF : 2283.0/33

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 $\chi^2/\text{NDF}: 255.3/16$

Left Out: 7.331 ± 0.896 $\chi^2/\text{NDF}: 224.3/17$

Right Out: 4.450 ± 1.157 $\chi^2/\text{NDF}: 225.8/18$

Left In: 8.970 ± 0.973 $\chi^2/\text{NDF}: 223.9/15$

Left: 8.083 ± 0.659 $\chi^2/\text{NDF}: 449.7/33$

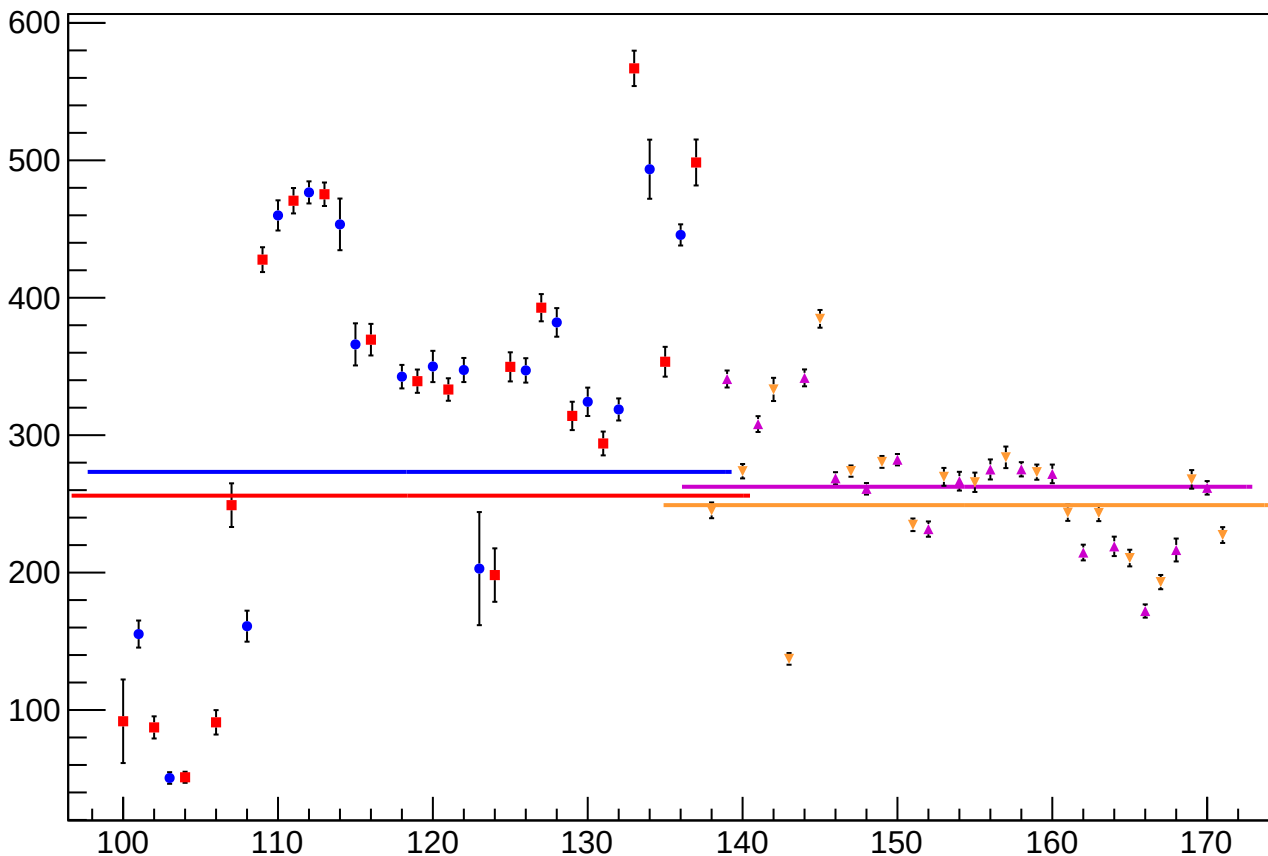
Right: 3.887 ± 0.847 $\chi^2/\text{NDF}: 481.6/35$

In: 6.792 ± 0.767 $\chi^2/\text{NDF}: 492.3/32$

Out: 6.251 ± 0.708 $\chi^2/\text{NDF}: 453.9/36$

All: 6.500 ± 0.520 $\chi^2/\text{NDF}: 946.5/69$

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: 249.087 $\pm$ 1.306 χ^2 /NDF:1587.5/17

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

Left In: 262.459 $\pm$ 1.376 χ^2 /NDF:944.5/15

Left: 255.427 $\pm$ 0.947 χ^2 /NDF: 2581.7/33

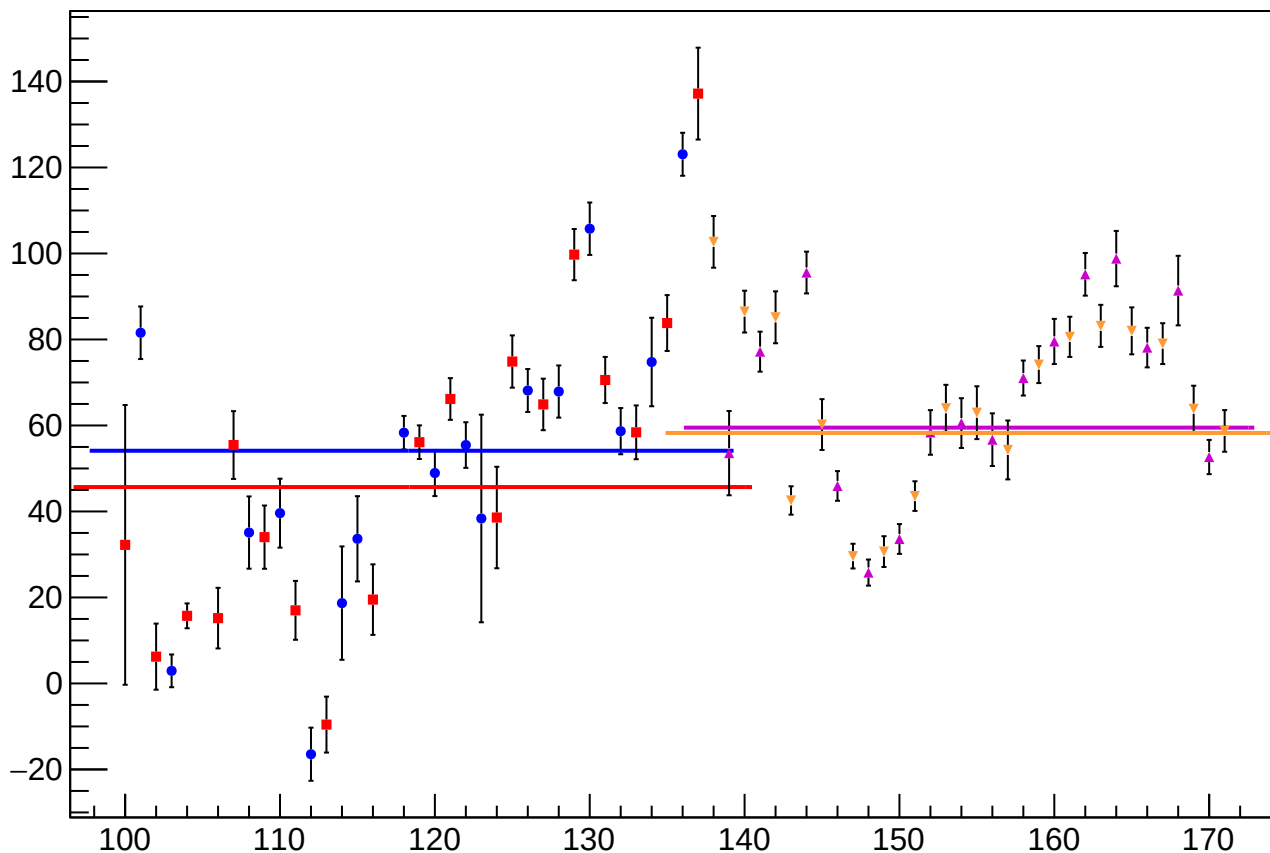
Right: 264.127 $\pm$ 1.513 χ^2 /NDF: 11572.5/35

In: 265.491 $\pm$ 1.167 χ^2 /NDF:6063.4/32

Out: 251.038 $\pm$ 1.106 χ^2 /NDF:8033.8/36

All: 257.877 $\pm$ 0.803 χ^2 /NDF: 14178.0/69

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 58.258 $\pm$ 1.066 χ^2 /NDF: 411.6/17

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

Left In: 59.494 $\pm$ 1.151 χ^2 /NDF: 411.2/15

Left: 58.829 $\pm$ 0.782 χ^2 /NDF: 823.5/33

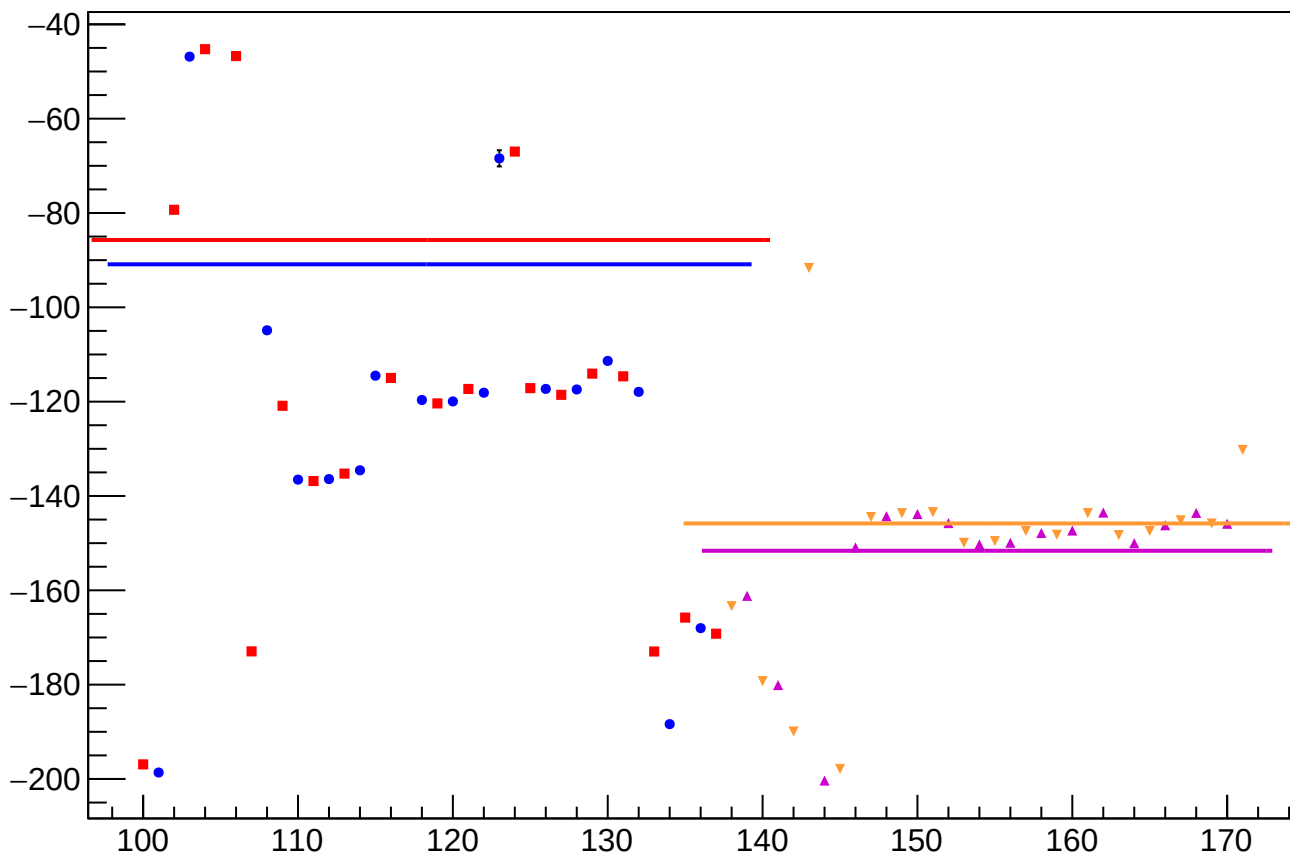
Right: 49.654 $\pm$ 0.987 χ^2 /NDF: 1183.2/35

In: 57.396 $\pm$ 0.898 χ^2 /NDF: 1053.7/32

Out: 53.455 $\pm$ 0.838 χ^2 /NDF: 995.8/36

All: 55.289 $\pm$ 0.613 χ^2 /NDF: 2059.8/69

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: -145.823 ± 0.052 $\chi^2/\text{NDF}: 193415.5/17$

Right Out: -85.722 ± 0.065 $\chi^2/\text{NDF}: 494183.1/18$

Left In: -151.618 ± 0.055 $\chi^2/\text{NDF}: 58214.8/15$

Left: -148.574 ± 0.038 $\chi^2/\text{NDF}: 257501.7/33$

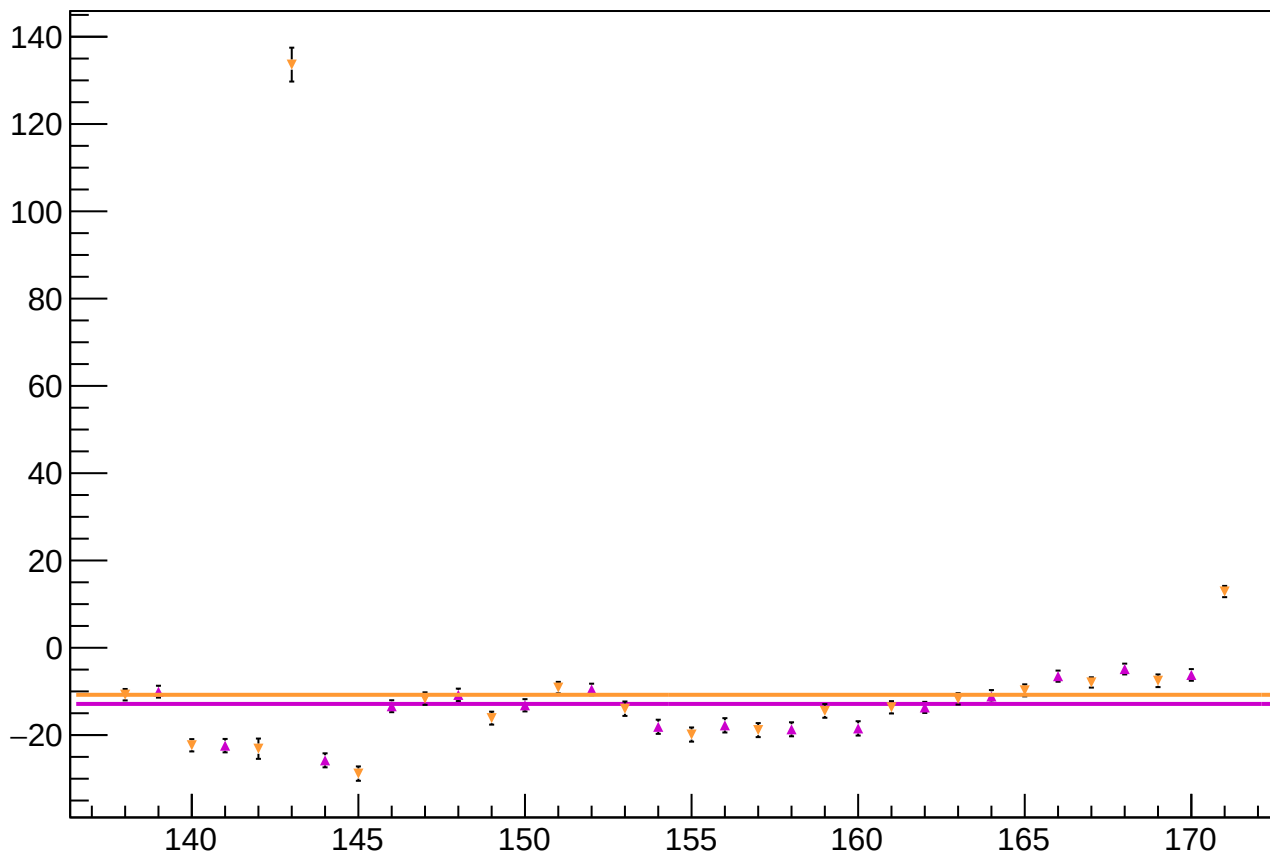
Right: -88.197 ± 0.047 $\chi^2/\text{NDF}: 1030623.7/35$

In: -127.593 ± 0.043 $\chi^2/\text{NDF}: 1077369.3/32$

Out: -122.335 ± 0.041 $\chi^2/\text{NDF}: 1207365.4/36$

All: -124.842 ± 0.029 $\chi^2/\text{NDF}: 2292701.9/69$

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: -10.774+/-0.350 χ^2/NDF :2032.1/17

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

Left In: -12.865+/-0.356 χ^2/NDF :253.3/15

Left: -11.802+/-0.250 χ^2/NDF : 2302.9/33

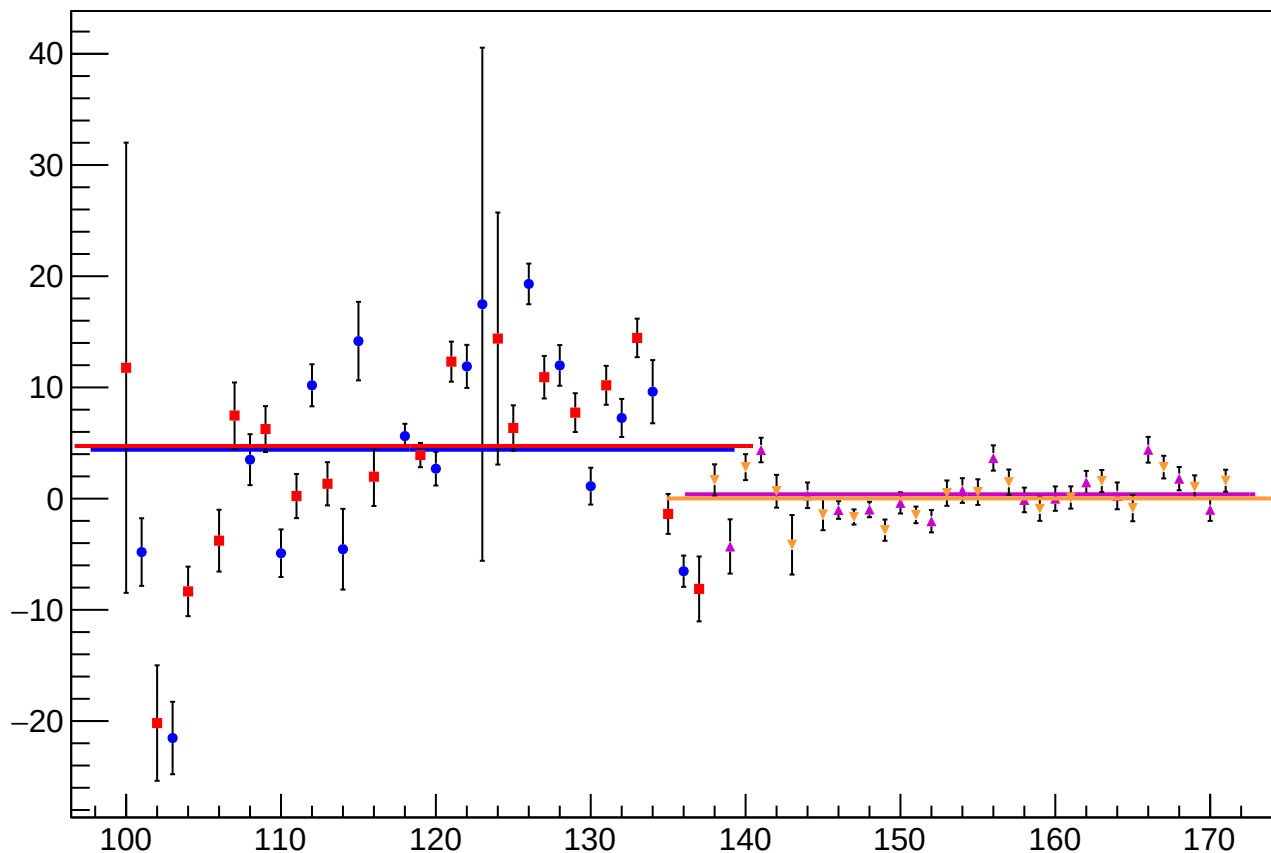
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.865+/-0.356 χ^2/NDF :253.3/15

Out: -10.774+/-0.350 χ^2/NDF :2032.1/17

All: -11.802+/-0.250 χ^2/NDF : 2302.9/33

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 $\pm$ 0.471 χ^2 /NDF: 286.8/16

Left Out: 0.018 $\pm$ 0.249 χ^2 /NDF:46.7/17

Right Out: 4.732 $\pm$ 0.473 χ^2 /NDF: 182.9/18

Left In: 0.391 $\pm$ 0.258 χ^2 /NDF:55.7/15

Left: 0.198 $\pm$ 0.179 χ^2 /NDF: 103.4/33

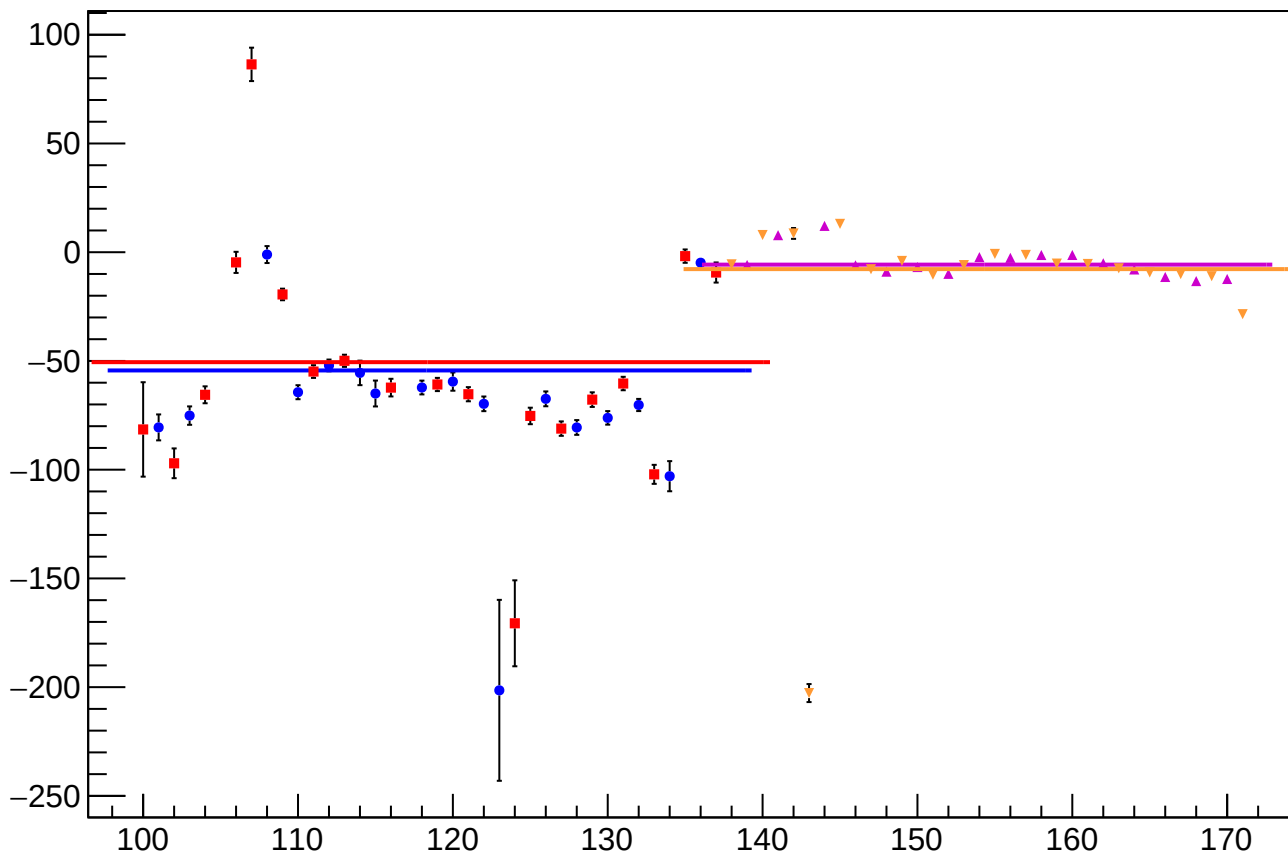
Right: 4.565 $\pm$ 0.334 χ^2 /NDF: 470.0/35

In: 1.317 $\pm$ 0.226 χ^2 /NDF:398.2/32

Out: 1.040 $\pm$ 0.220 χ^2 /NDF:307.3/36

All: 1.175 $\pm$ 0.158 χ^2 /NDF: 706.2/69

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365+/-0.868 χ^2/NDF : 1013.5/16

Left Out: -7.770+/-0.344 χ^2/NDF : 2840.4/17

Right Out: -50.554+/-0.858 χ^2/NDF : 1321.3/18

Left In: -5.710+/-0.349 χ^2/NDF : 303.0/15

Left: -6.754+/-0.245 χ^2/NDF : 3161.1/33

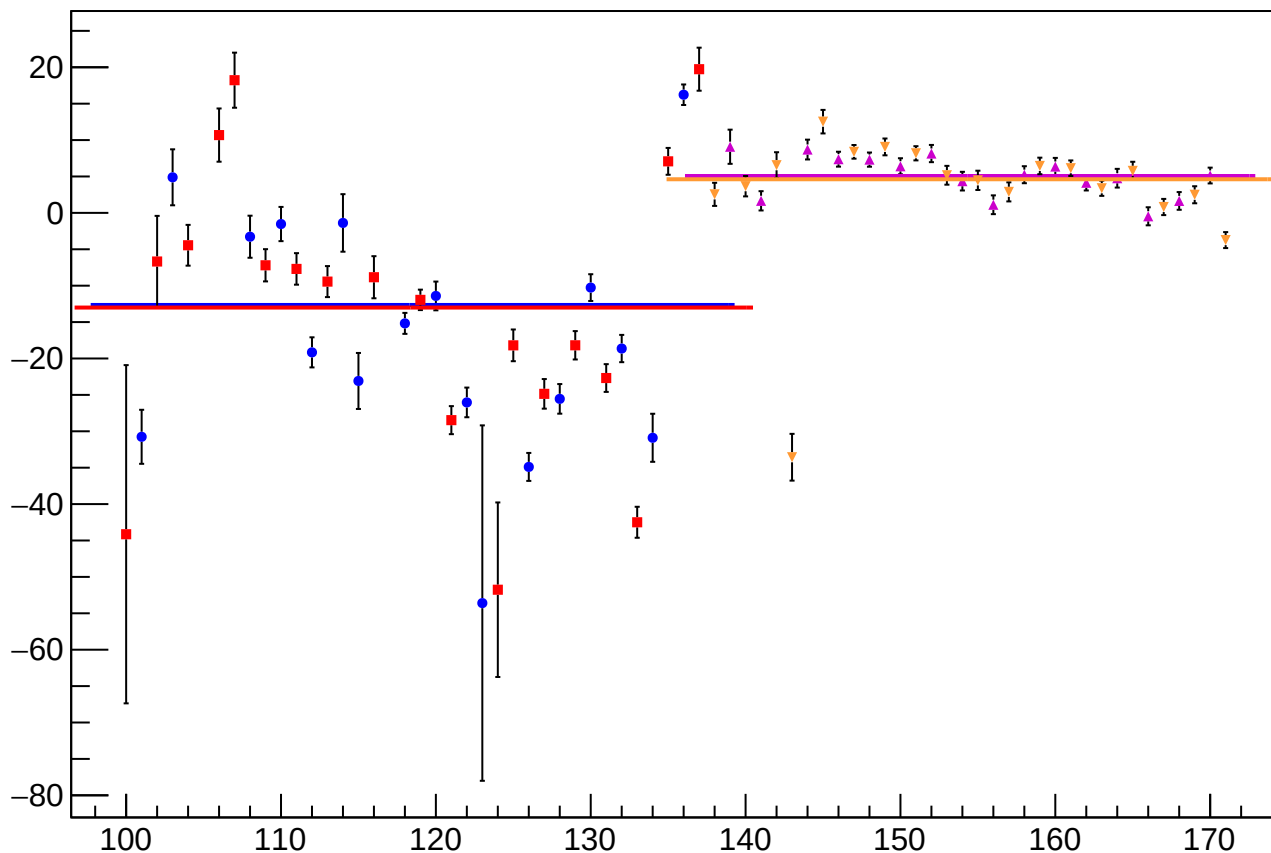
Right: -52.436+/-0.610 χ^2/NDF : 2344.5/35

In: -12.471+/-0.324 χ^2/NDF : 4020.5/32

Out: -13.704+/-0.319 χ^2/NDF : 6305.7/36

All: -13.096+/-0.227 χ^2/NDF : 10333.5/69

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 4.618 ± 0.289 χ^2/NDF : 294.8/17

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

Left In: 5.065 ± 0.299 χ^2/NDF : 74.9/15

Left: 4.833 ± 0.208 χ^2/NDF : 370.9/33

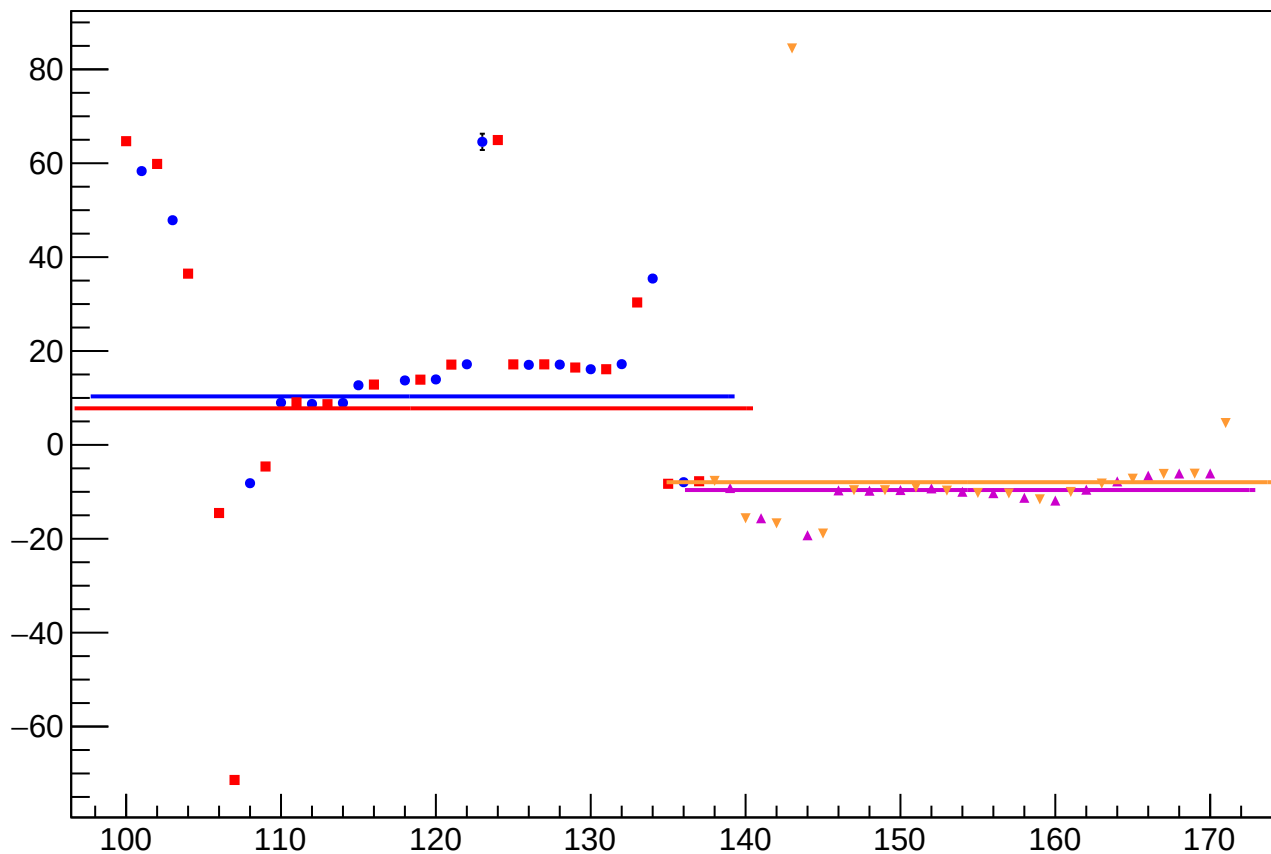
Right: -12.826 ± 0.380 χ^2/NDF : 1510.1/35

In: 0.855 ± 0.261 χ^2/NDF : 1695.0/32

Out: 0.665 ± 0.255 χ^2/NDF : 1850.0/36

All: 0.757 ± 0.182 χ^2/NDF : 3545.2/69

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -7.949+/-0.013 χ^2/NDF : 449300.9/17

Right Out: 7.786+/-0.031 χ^2/NDF : 544119.7/18

Left In: -9.617+/-0.014 χ^2/NDF : 42263.1/15

Left: -8.766+/-0.010 χ^2/NDF : 499199.7/33

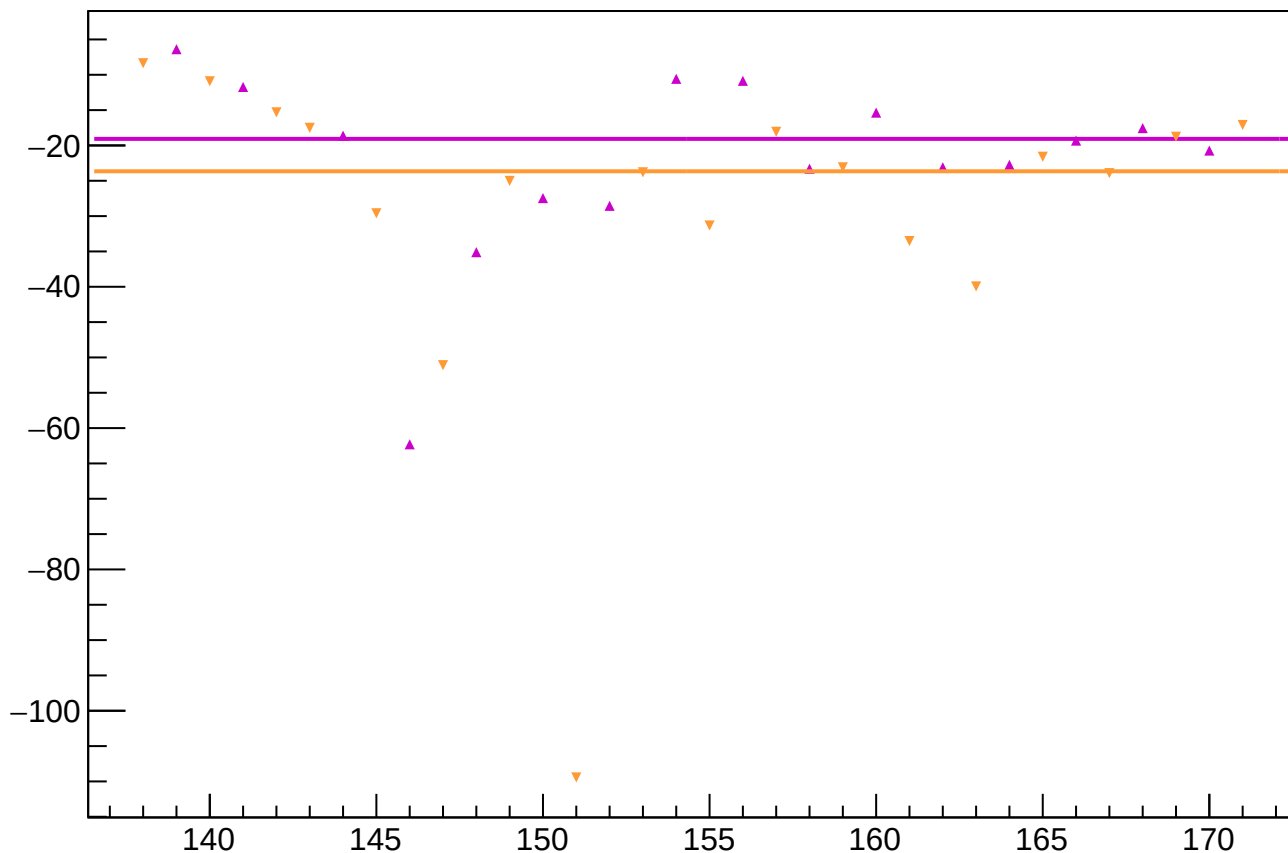
Right: 9.084+/-0.022 χ^2/NDF : 928345.1/35

In: -6.324+/-0.012 χ^2/NDF : 776148.4/32

Out: -5.523+/-0.012 χ^2/NDF : 1207106.9/36

All: -5.918+/-0.009 χ^2/NDF : 1985351.7/69

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -23.658 ± 0.056 $\chi^2/\text{NDF}: 59177.6/17$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -19.072 ± 0.051 $\chi^2/\text{NDF}: 37202.3/15$

Left: -21.148 ± 0.037 $\chi^2/\text{NDF}: 100095.5/33$

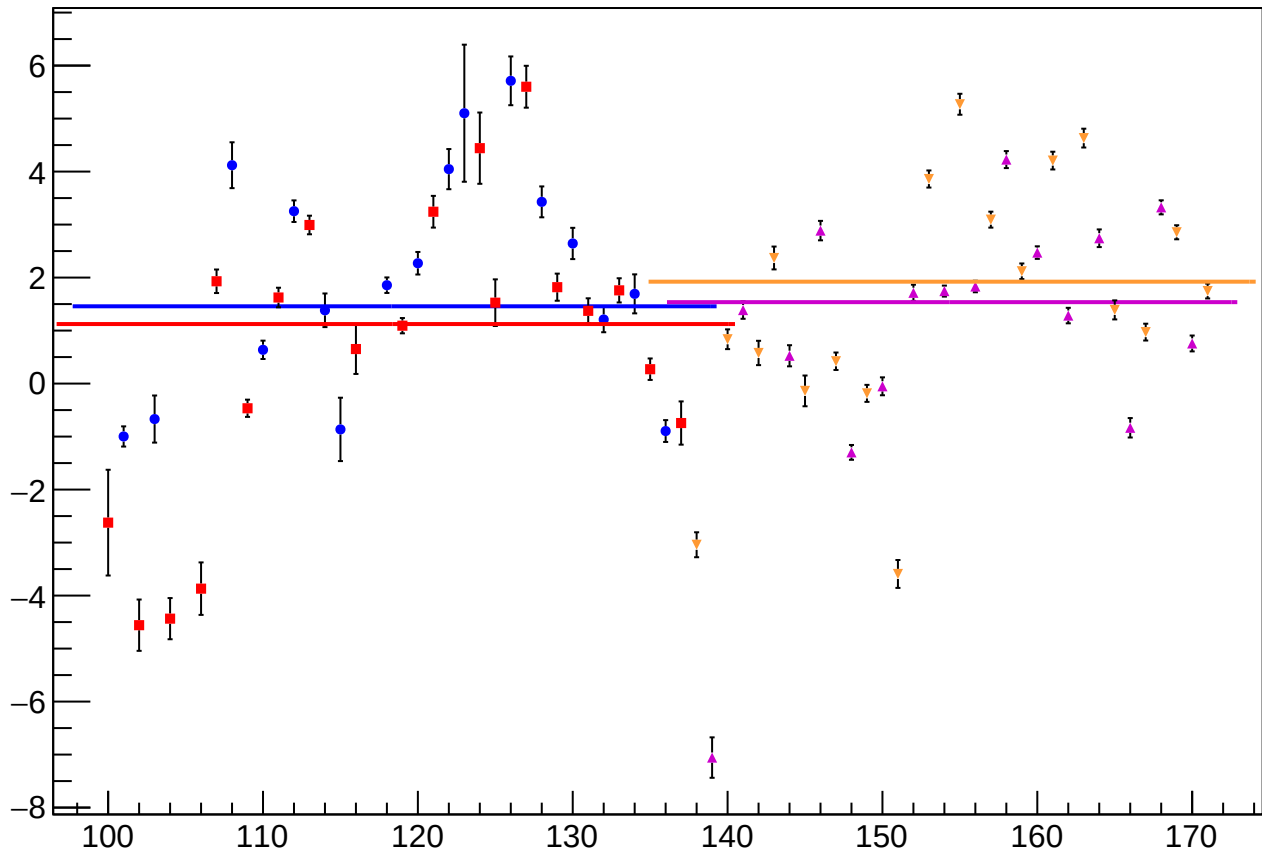
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -19.072 ± 0.051 $\chi^2/\text{NDF}: 37202.3/15$

Out: -23.658 ± 0.056 $\chi^2/\text{NDF}: 59177.6/17$

All: -21.148 ± 0.037 $\chi^2/\text{NDF}: 100095.5/33$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 $\pm$ 0.062 χ^2/NDF : 698.2/16

Left Out: 1.923 $\pm$ 0.041 χ^2/NDF : 2269.5/17

Right Out: 1.123 $\pm$ 0.058 χ^2/NDF : 947.4/18

Left In: 1.536 $\pm$ 0.037 χ^2/NDF : 1874.8/15

Left: 1.709 $\pm$ 0.028 χ^2/NDF : 4193.0/33

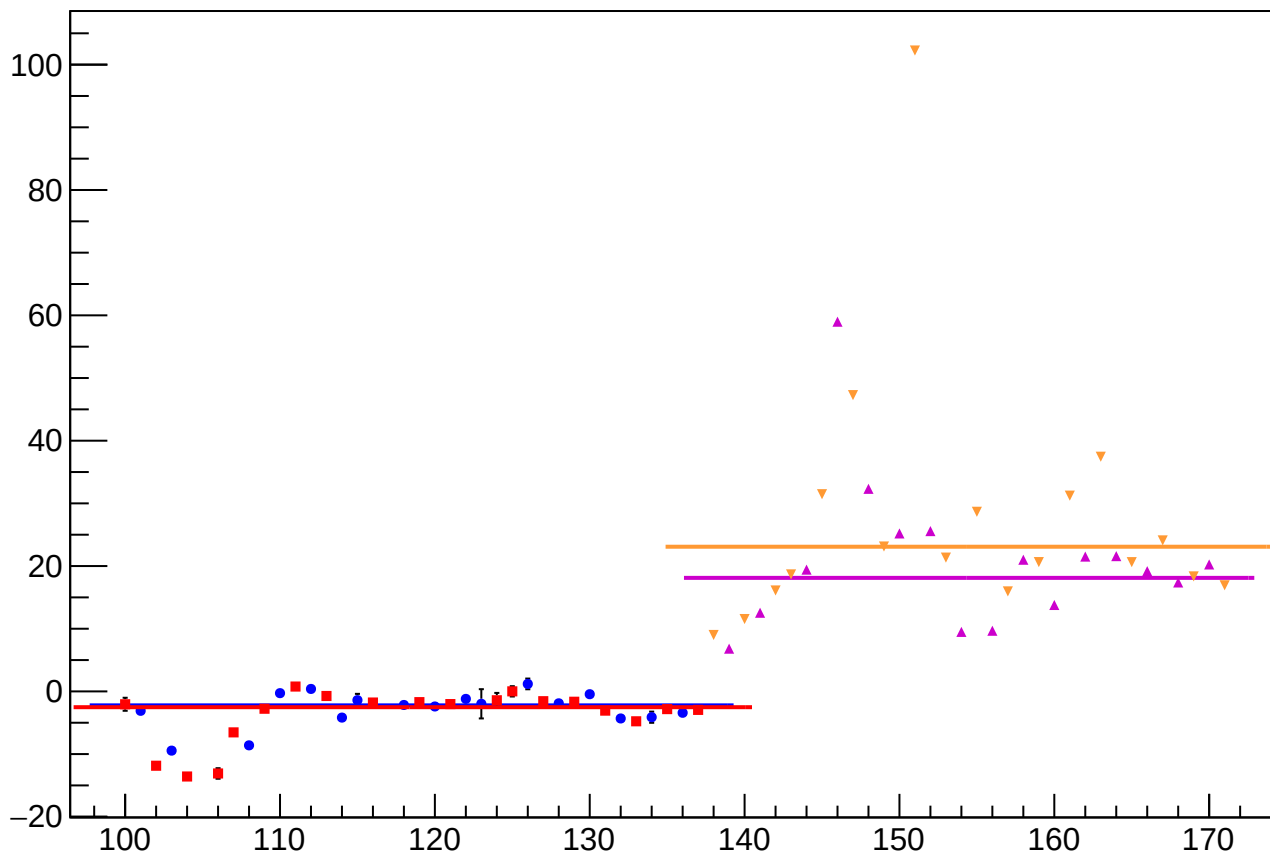
Right: 1.280 $\pm$ 0.042 χ^2/NDF : 1661.2/35

In: 1.516 $\pm$ 0.032 χ^2/NDF : 2574.2/32

Out: 1.655 $\pm$ 0.034 χ^2/NDF : 3343.0/36

All: 1.582 $\pm$ 0.023 χ^2/NDF : 5926.3/69

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: 23.083 ± 0.055 χ^2/NDF : 52985.4/17

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

Left In: 18.113 ± 0.049 χ^2/NDF : 35287.8/15

Left: 20.323 ± 0.037 χ^2/NDF : 92823.8/33

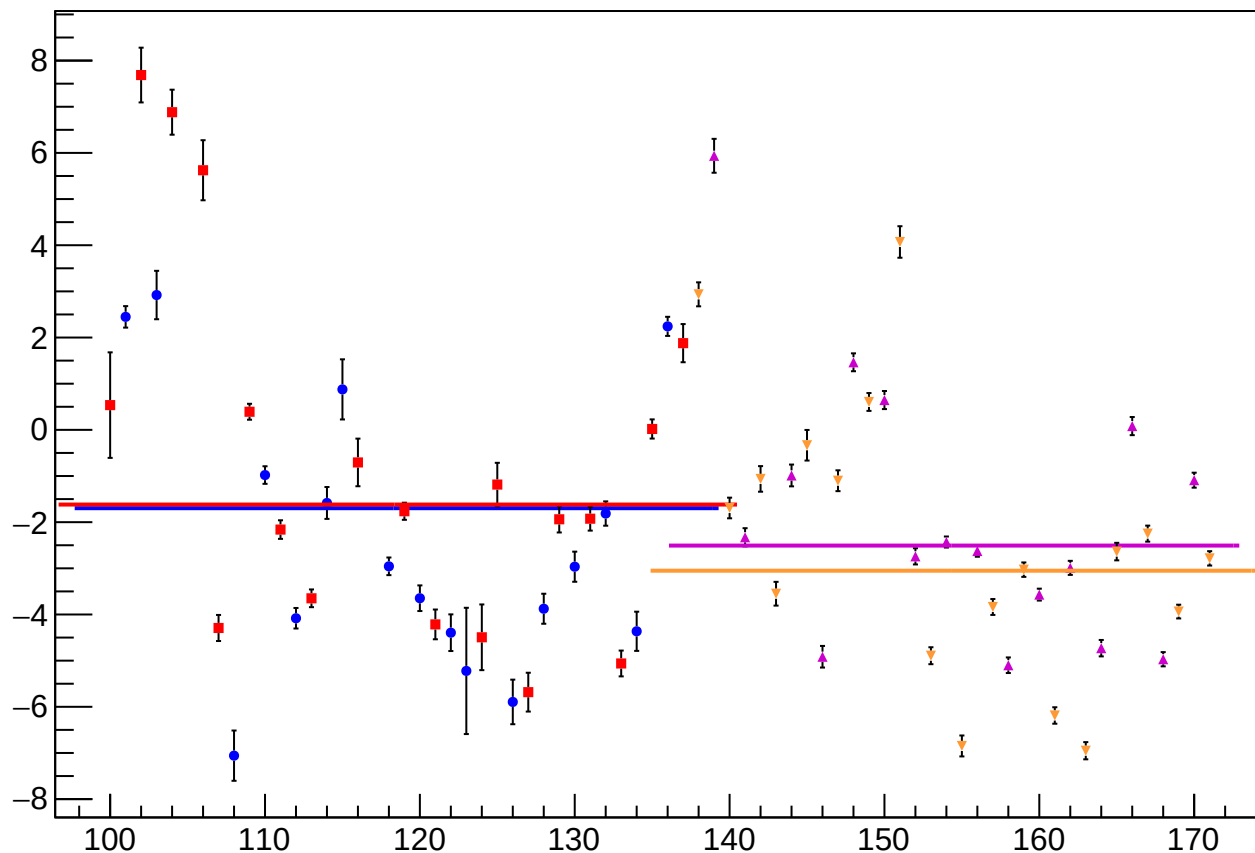
Right: -2.391 ± 0.074 χ^2/NDF : 1368.3/35

In: 14.795 ± 0.045 χ^2/NDF : 63718.7/32

Out: 17.059 ± 0.048 χ^2/NDF : 105058.1/36

All: 15.852 ± 0.033 χ^2/NDF : 169961.3/69

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -3.051 ± 0.047 χ^2/NDF : 2771.1/17

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

Left In: -2.507 ± 0.042 χ^2/NDF : 2333.5/15

Left: -2.751 ± 0.031 χ^2/NDF : 5179.6/33

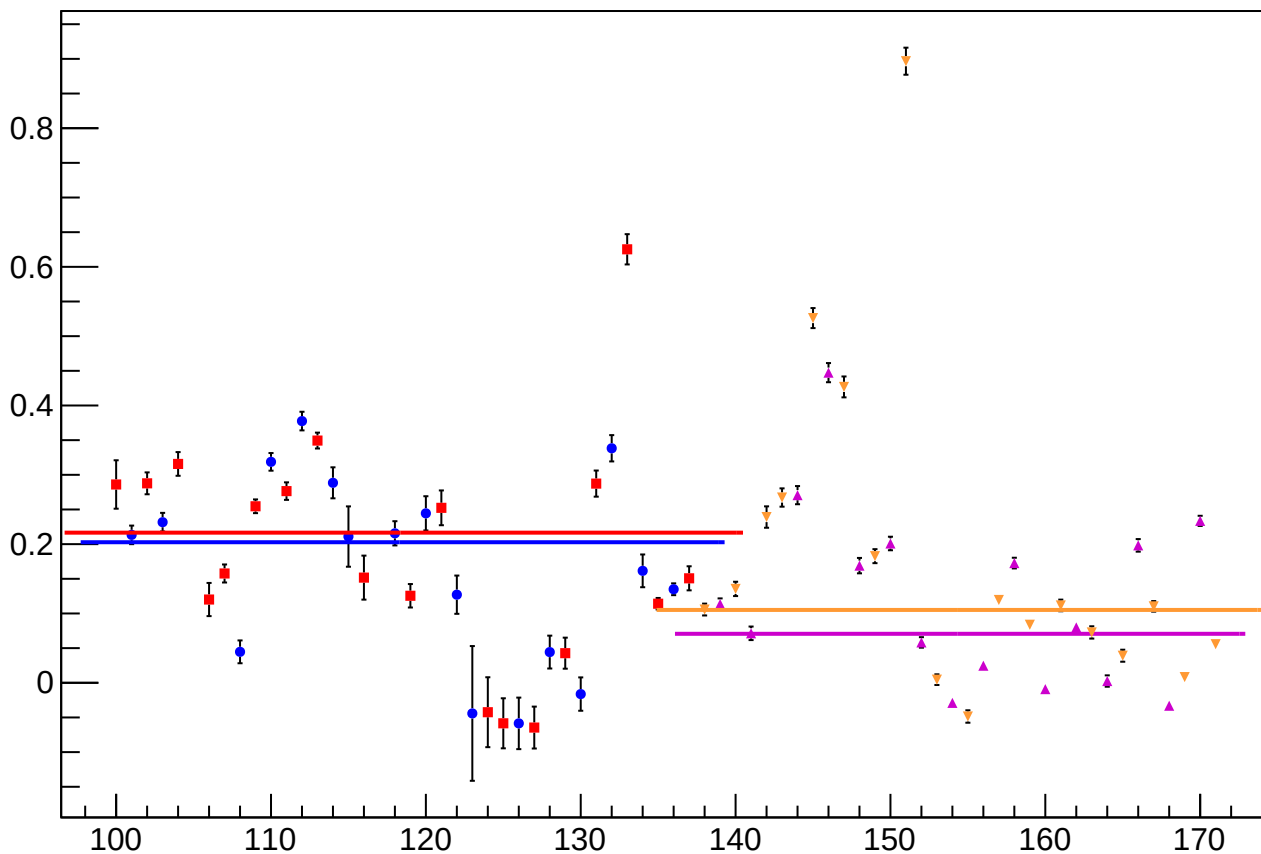
Right: -1.655 ± 0.048 χ^2/NDF : 2809.3/35

In: -2.297 ± 0.036 χ^2/NDF : 3749.0/32

Out: -2.570 ± 0.038 χ^2/NDF : 4576.4/36

All: -2.427 ± 0.026 χ^2/NDF : 8352.4/69

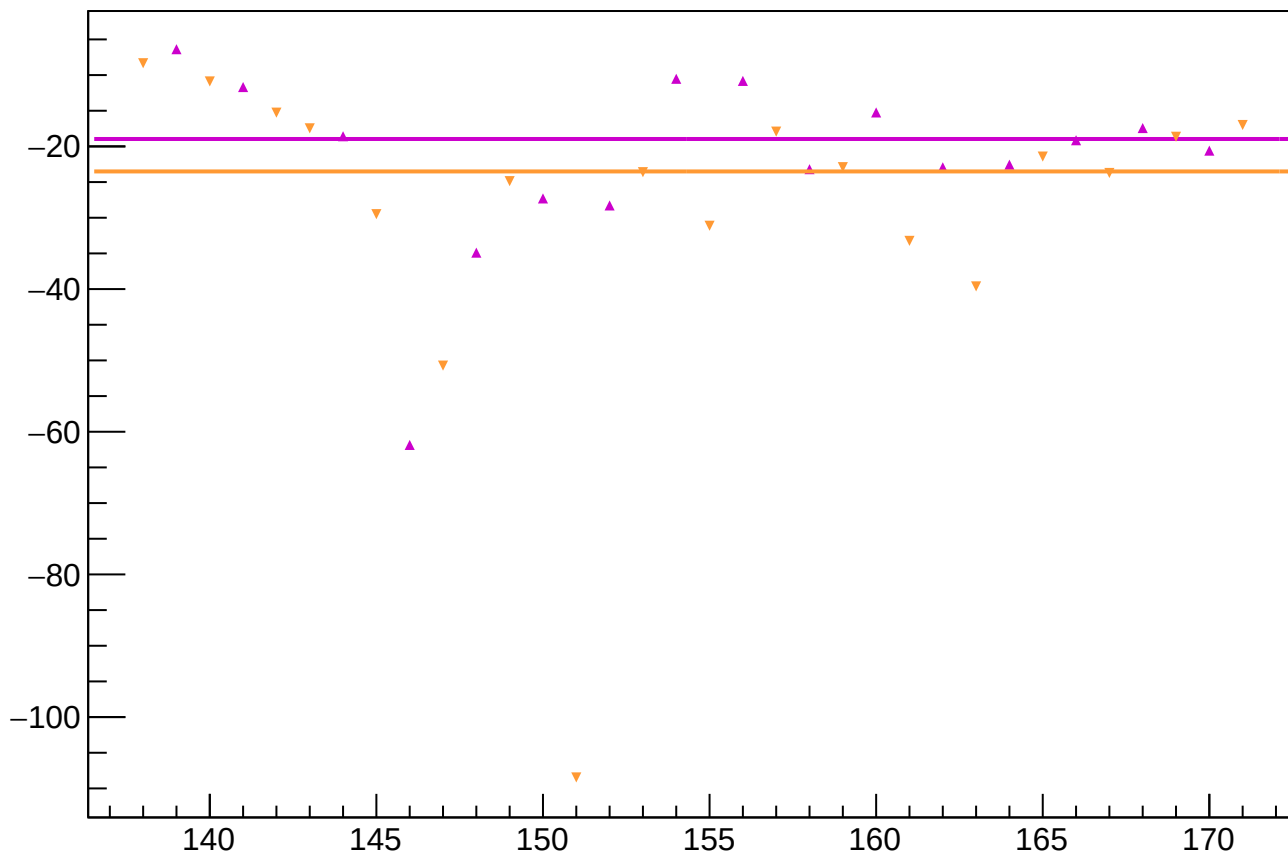
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.004 $\chi^2/\text{NDF}: 676.5/16$
 Left Out: 0.105 ± 0.002 $\chi^2/\text{NDF}: 4054.5/17$
 Right Out: 0.217 ± 0.004 $\chi^2/\text{NDF}: 1064.4/18$
 Left In: 0.071 ± 0.002 $\chi^2/\text{NDF}: 3178.7/15$

Left: 0.086 ± 0.001 $\chi^2/\text{NDF}: 7386.5/33$
 Right: 0.210 ± 0.003 $\chi^2/\text{NDF}: 1747.1/35$
 In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 4701.7/32$
 Out: 0.132 ± 0.002 $\chi^2/\text{NDF}: 5807.7/36$
 All: 0.111 ± 0.001 $\chi^2/\text{NDF}: 10767.5/69$

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: -23.508+/-0.055 χ^2/NDF :58997.0/17

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

Left In: -18.960+/-0.050 χ^2/NDF :37113.5/15

Left: -21.019+/-0.037 χ^2/NDF : 99813.2/33

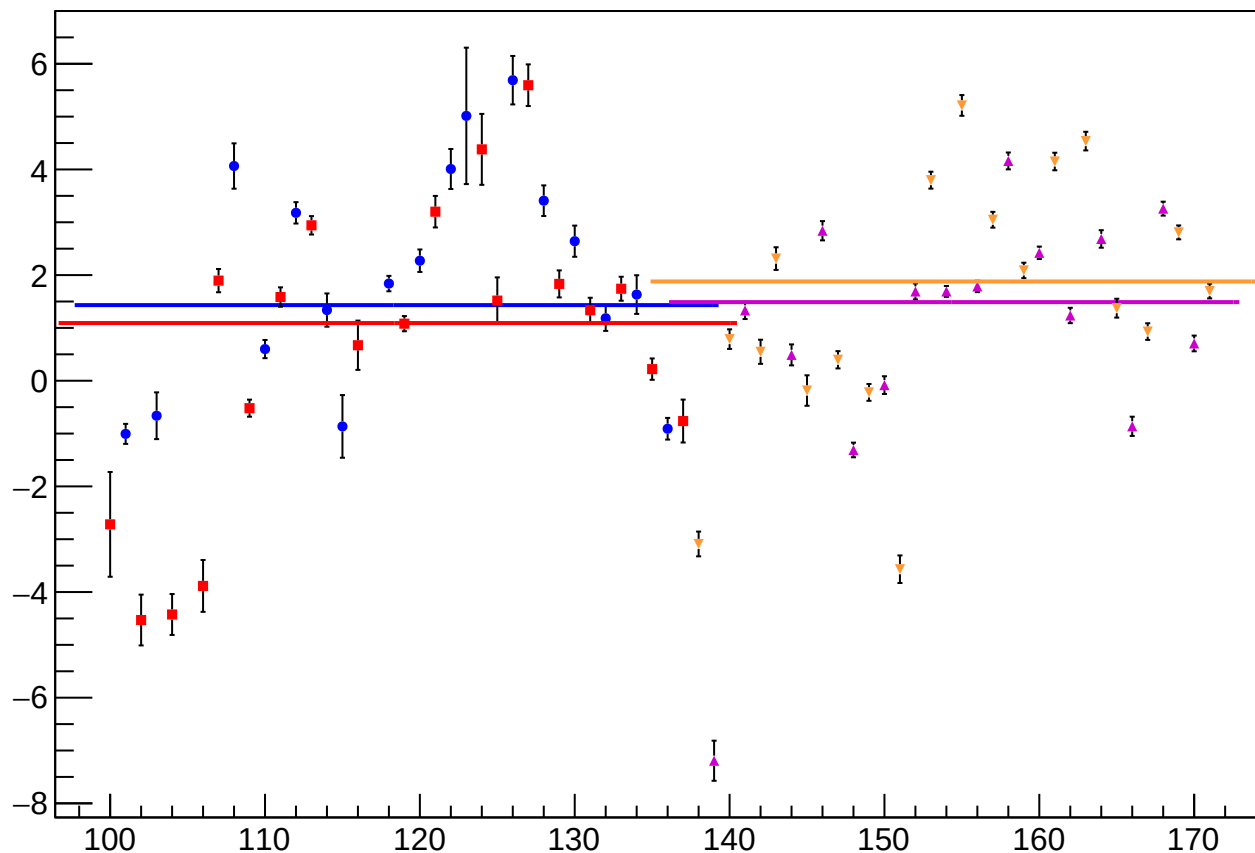
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.960+/-0.050 χ^2/NDF :37113.5/15

Out: -23.508+/-0.055 χ^2/NDF :58997.0/17

All: -21.019+/-0.037 χ^2/NDF : 99813.2/33

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: 1.879 $\pm$ 0.041 χ^2/NDF : 2269.1/17

Right Out: 1.092 $\pm$ 0.058 χ^2/NDF : 953.2/18

Left In: 1.489 $\pm$ 0.037 χ^2/NDF : 1884.5/15

Left: 1.663 $\pm$ 0.027 χ^2/NDF : 4204.0/33

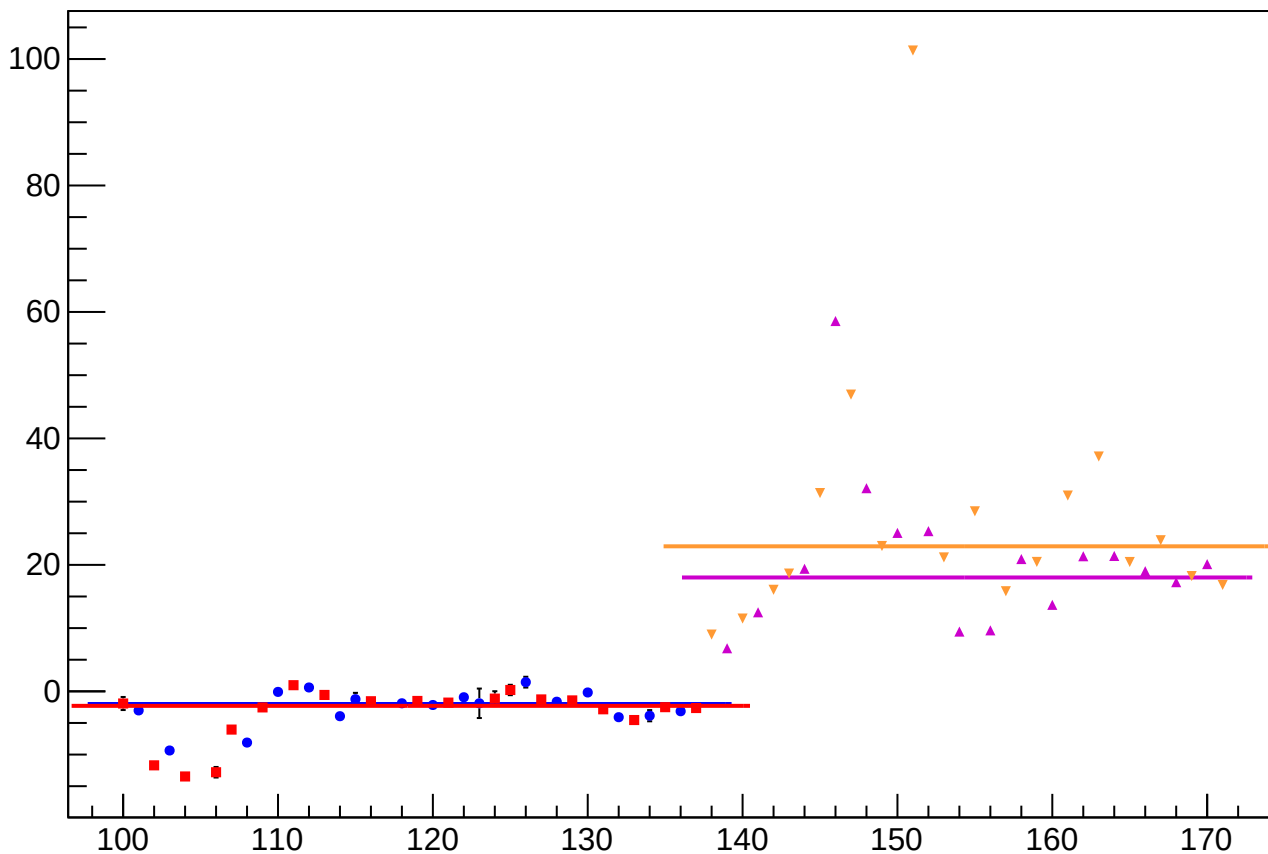
Right: 1.251 $\pm$ 0.042 χ^2/NDF : 1665.8/35

In: 1.474 $\pm$ 0.032 χ^2/NDF : 2581.7/32

Out: 1.617 $\pm$ 0.033 χ^2/NDF : 3345.6/36

All: 1.541 $\pm$ 0.023 χ^2/NDF : 5937.0/69

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 22.935 ± 0.055 χ^2/NDF : 52846.0/17

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

Left In: 18.007 ± 0.049 χ^2/NDF : 35211.0/15

Left: 20.199 ± 0.036 χ^2/NDF : 92588.8/33

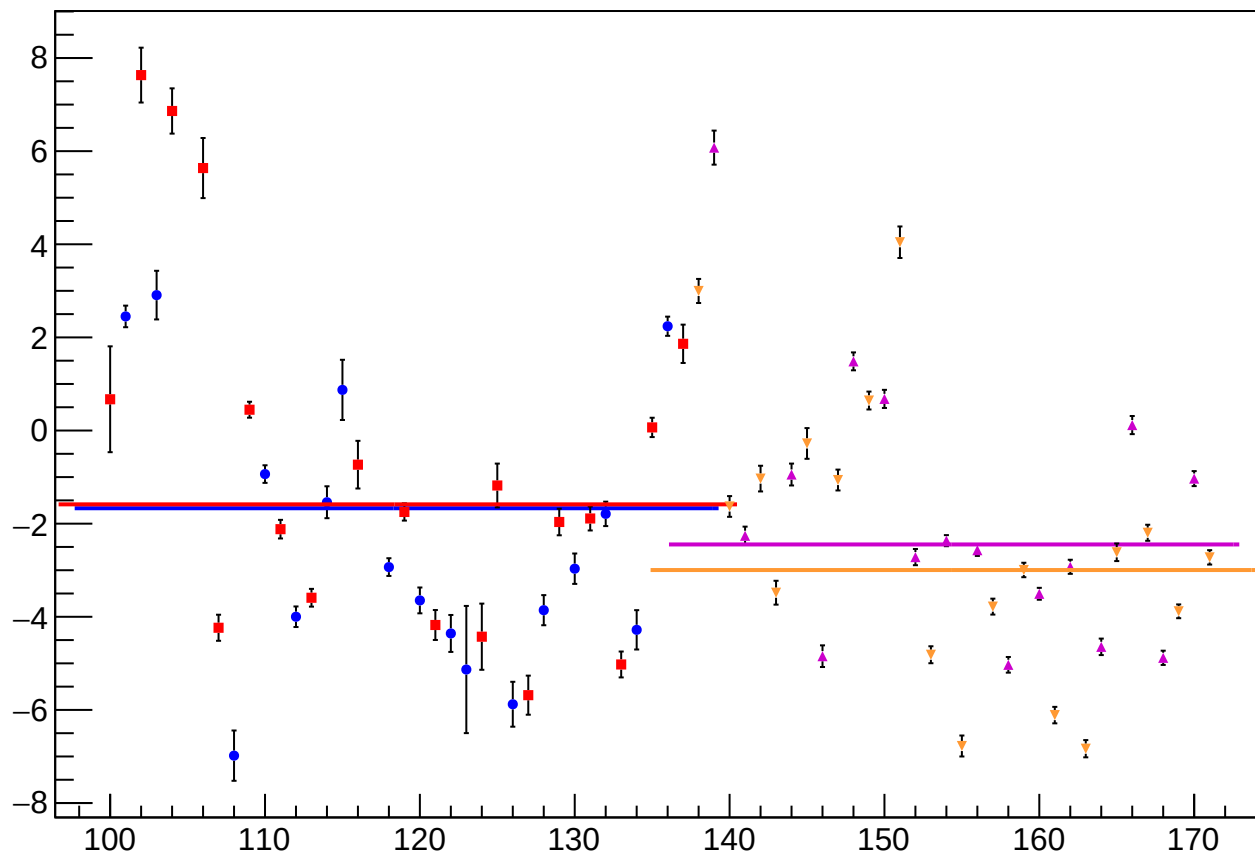
Right: -2.167 ± 0.074 χ^2/NDF : 1374.2/35

In: 14.750 ± 0.045 χ^2/NDF : 63027.5/32

Out: 17.010 ± 0.048 χ^2/NDF : 103996.5/36

All: 15.805 ± 0.033 χ^2/NDF : 168219.0/69

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.996 ± 0.046 χ^2/NDF : 2769.4/17

Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18

Left In: -2.447 ± 0.042 χ^2/NDF : 2344.1/15

Left: -2.693 ± 0.031 χ^2/NDF : 5190.9/33

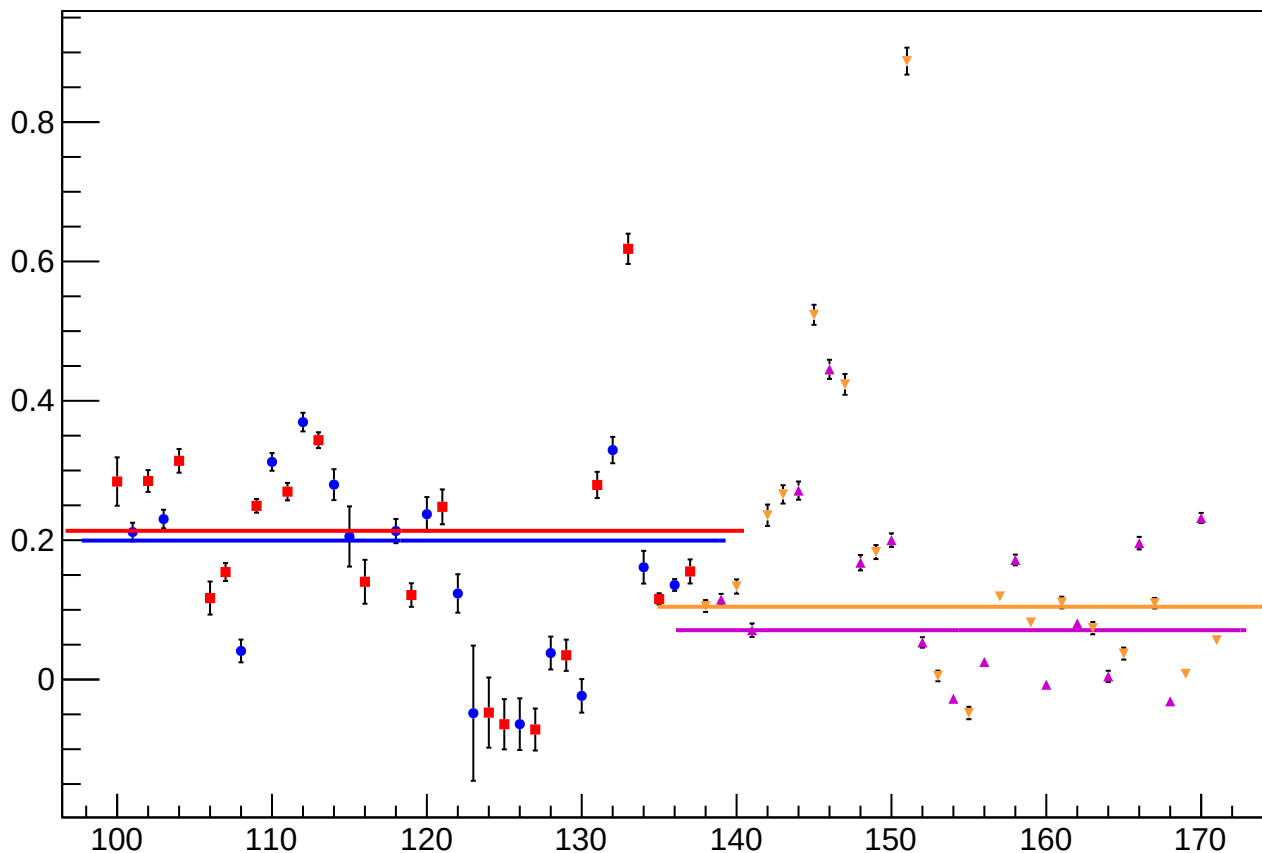
Right: -1.624 ± 0.048 χ^2/NDF : 2810.4/35

In: -2.246 ± 0.036 χ^2/NDF : 3748.5/32

Out: -2.523 ± 0.038 χ^2/NDF : 4573.8/36

All: -2.378 ± 0.026 χ^2/NDF : 8350.5/69

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.104 ± 0.002 χ^2/NDF : 4046.8/17

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

Left In: 0.071 ± 0.002 χ^2/NDF : 3155.4/15

Left: 0.085 ± 0.001 χ^2/NDF : 7350.7/33

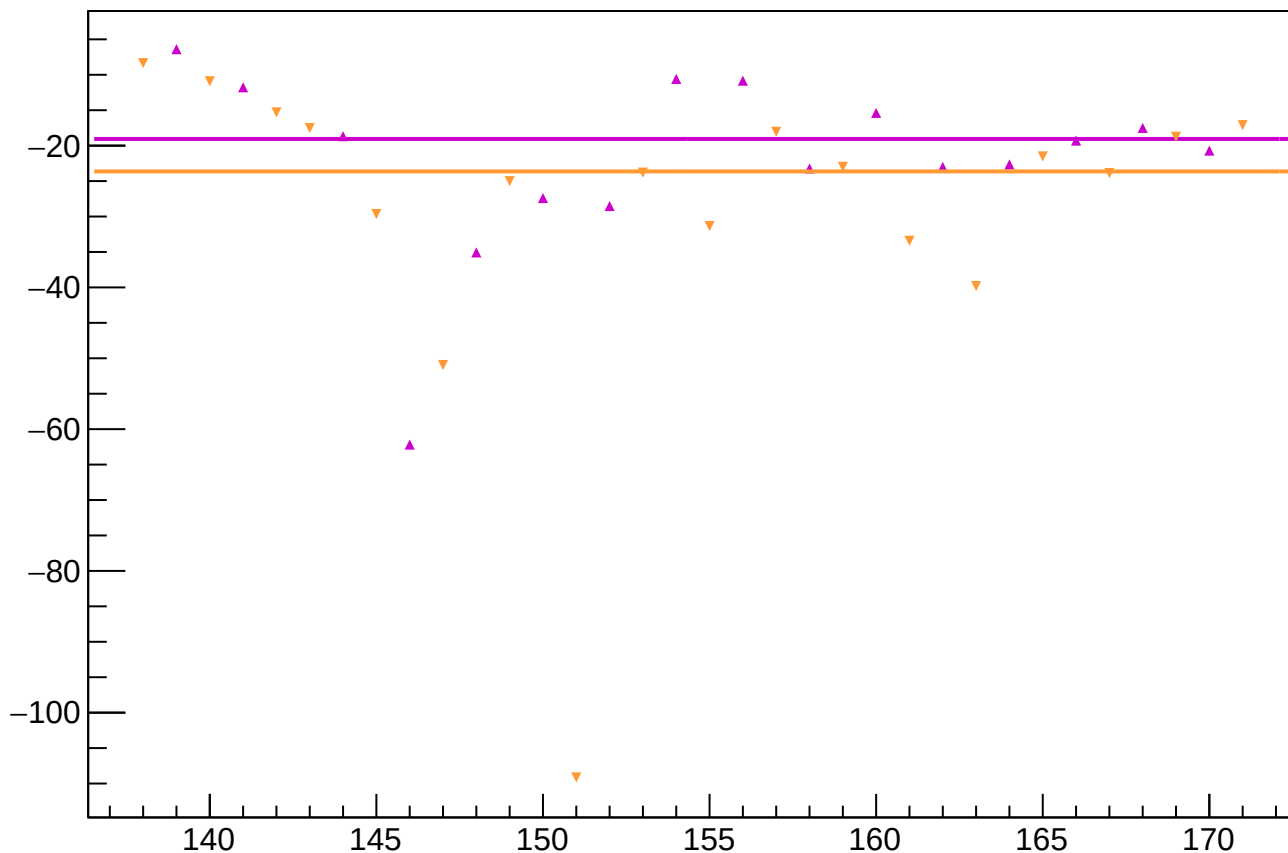
Right: 0.207 ± 0.003 χ^2/NDF : 1716.7/35

In: 0.092 ± 0.002 χ^2/NDF : 4628.2/32

Out: 0.131 ± 0.002 χ^2/NDF : 5760.2/36

All: 0.110 ± 0.001 χ^2/NDF : 10638.9/69

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.635+/-0.056 χ^2/NDF :59118.9/17

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

Left In: -19.051+/-0.050 χ^2/NDF :37182.3/15

Left: -21.125+/-0.037 χ^2/NDF : 100031.7/33

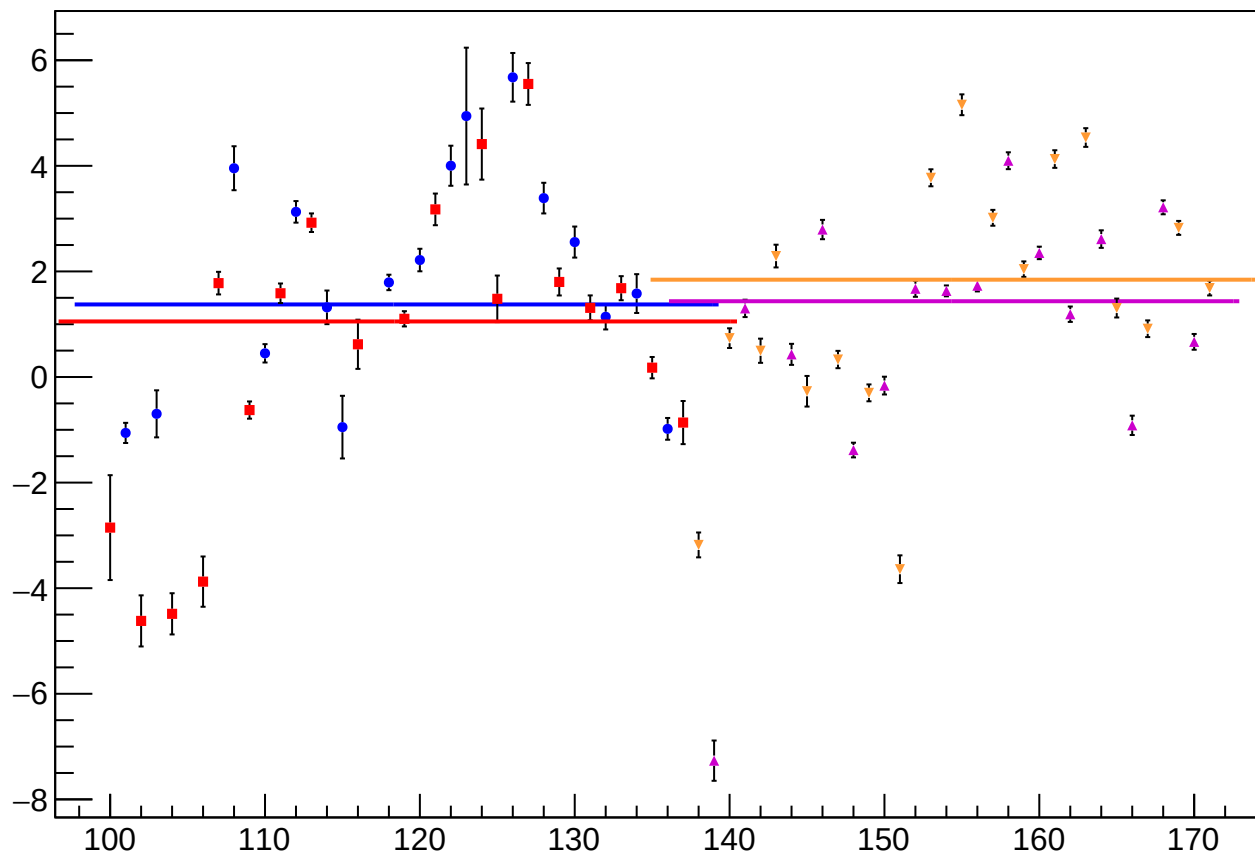
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.051+/-0.050 χ^2/NDF :37182.3/15

Out: -23.635+/-0.056 χ^2/NDF :59118.9/17

All: -21.125+/-0.037 χ^2/NDF : 100031.7/33

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: 1.843 ± 0.041 $\chi^2/\text{NDF}: 2291.3/17$

Right Out: 1.052 ± 0.058 $\chi^2/\text{NDF}: 964.0/18$

Left In: 1.435 ± 0.037 $\chi^2/\text{NDF}: 1876.3/15$

Left: 1.618 ± 0.027 $\chi^2/\text{NDF}: 4222.2/33$

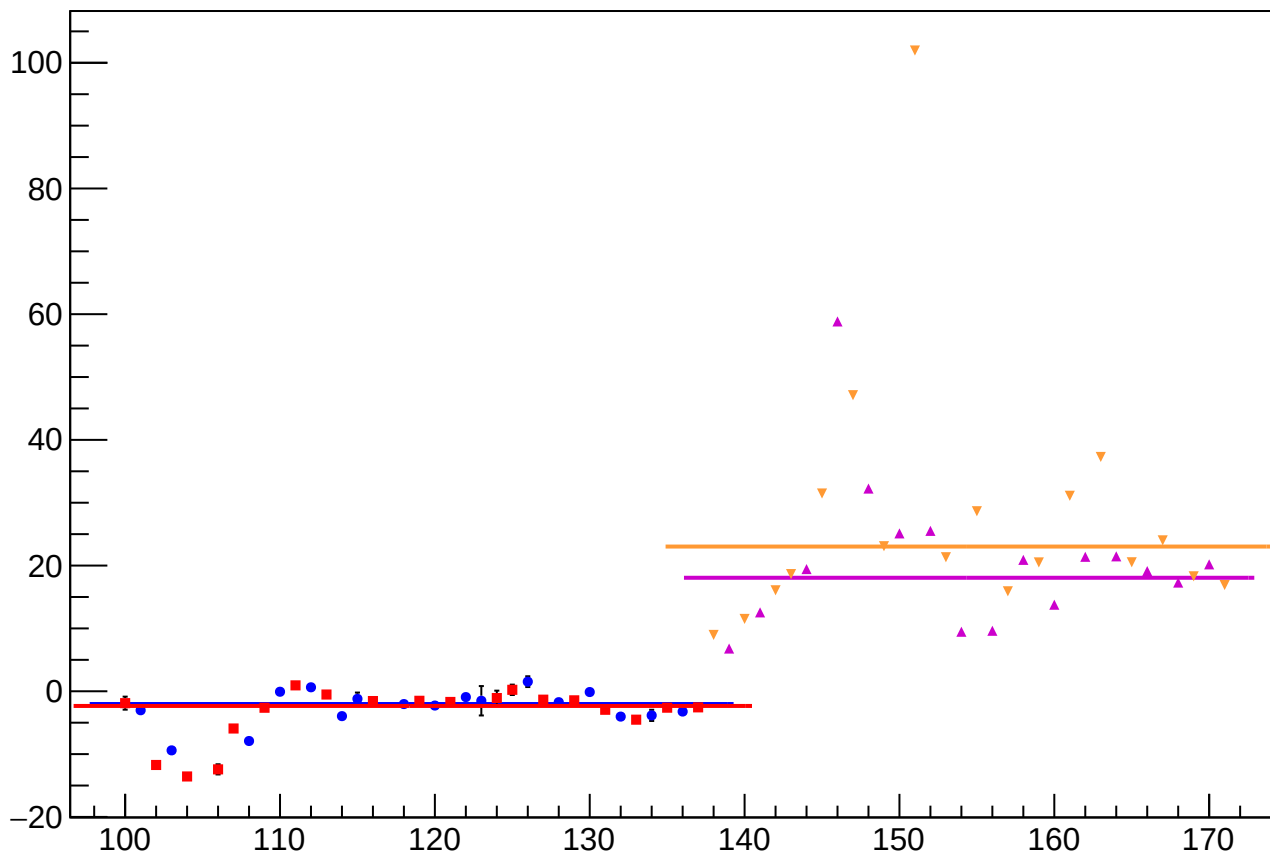
Right: 1.203 ± 0.042 $\chi^2/\text{NDF}: 1680.9/35$

In: 1.419 ± 0.032 $\chi^2/\text{NDF}: 2579.5/32$

Out: 1.579 ± 0.034 $\chi^2/\text{NDF}: 3379.2/36$

All: 1.495 ± 0.023 $\chi^2/\text{NDF}: 5970.7/69$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 23.026 ± 0.055 χ^2/NDF : 52953.0/17

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

Left In: 18.059 ± 0.049 χ^2/NDF : 35288.6/15

Left: 20.267 ± 0.037 χ^2/NDF : 92809.9/33

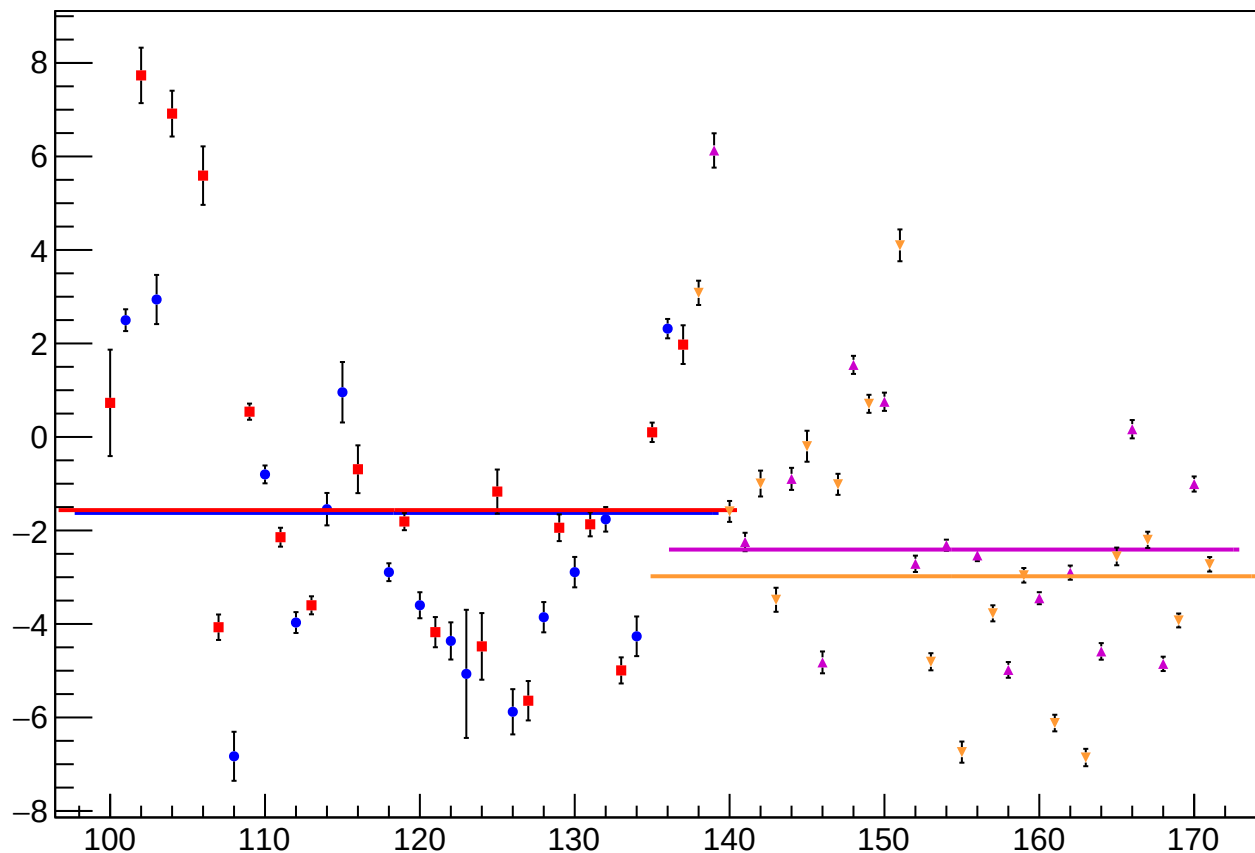
Right: -2.202 ± 0.074 χ^2/NDF : 1369.3/35

In: 14.798 ± 0.045 χ^2/NDF : 63042.2/32

Out: 17.076 ± 0.048 χ^2/NDF : 104149.3/36

All: 15.861 ± 0.033 χ^2/NDF : 168396.1/69

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.980 ± 0.047 χ^2/NDF : 2797.8/17

Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18

Left In: -2.409 ± 0.042 χ^2/NDF : 2335.4/15

Left: -2.664 ± 0.031 χ^2/NDF : 5216.2/33

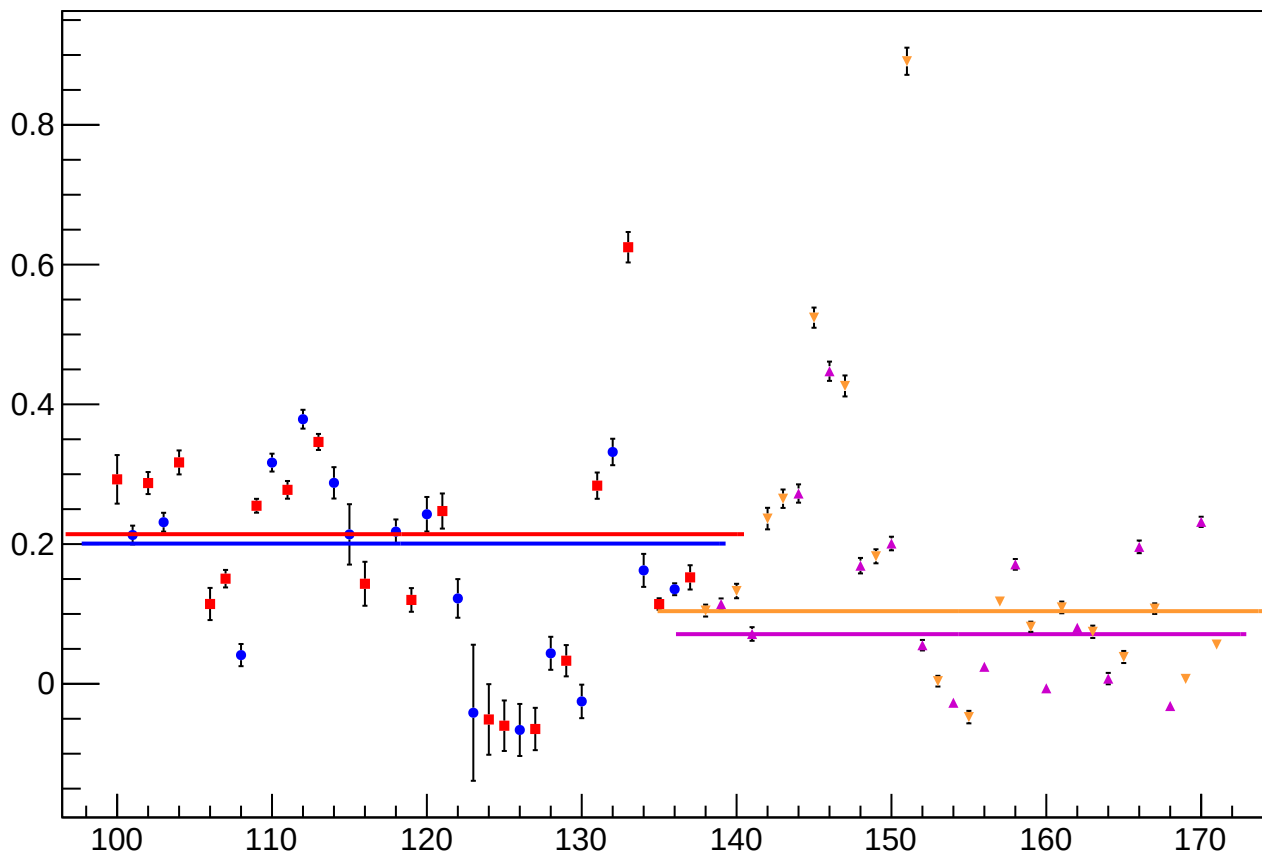
Right: -1.592 ± 0.048 χ^2/NDF : 2826.9/35

In: -2.206 ± 0.036 χ^2/NDF : 3746.4/32

Out: -2.505 ± 0.038 χ^2/NDF : 4612.8/36

All: -2.348 ± 0.026 χ^2/NDF : 8391.7/69

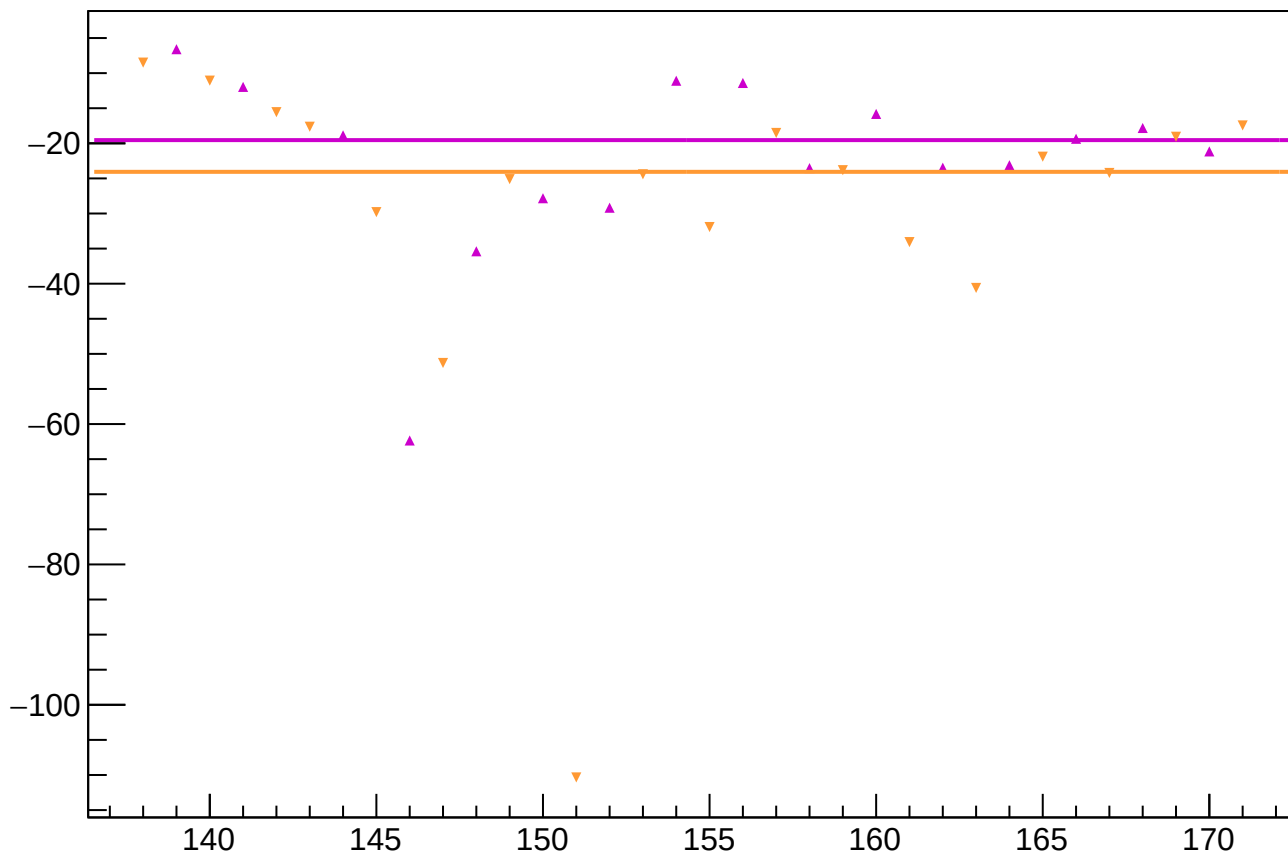
reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16
 Left Out: 0.104 $\pm$ 0.002 χ^2 /NDF:4034.4/17
 Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1080.4/18
 Left In: 0.071 $\pm$ 0.002 χ^2 /NDF:3134.5/15

Left: 0.085 $\pm$ 0.001 χ^2 /NDF: 7309.7/33
 Right: 0.208 $\pm$ 0.003 χ^2 /NDF: 1776.9/35
 In: 0.092 $\pm$ 0.002 χ^2 /NDF:4642.8/32
 Out: 0.131 $\pm$ 0.002 χ^2 /NDF:5791.5/36
 All: 0.110 $\pm$ 0.001 χ^2 /NDF: 10676.3/69

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.063+/-0.057 χ^2/NDF : 58983.7/17

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

Left In: -19.544+/-0.052 χ^2/NDF : 36042.0/15

Left: -21.599+/-0.038 χ^2/NDF : 98499.3/33

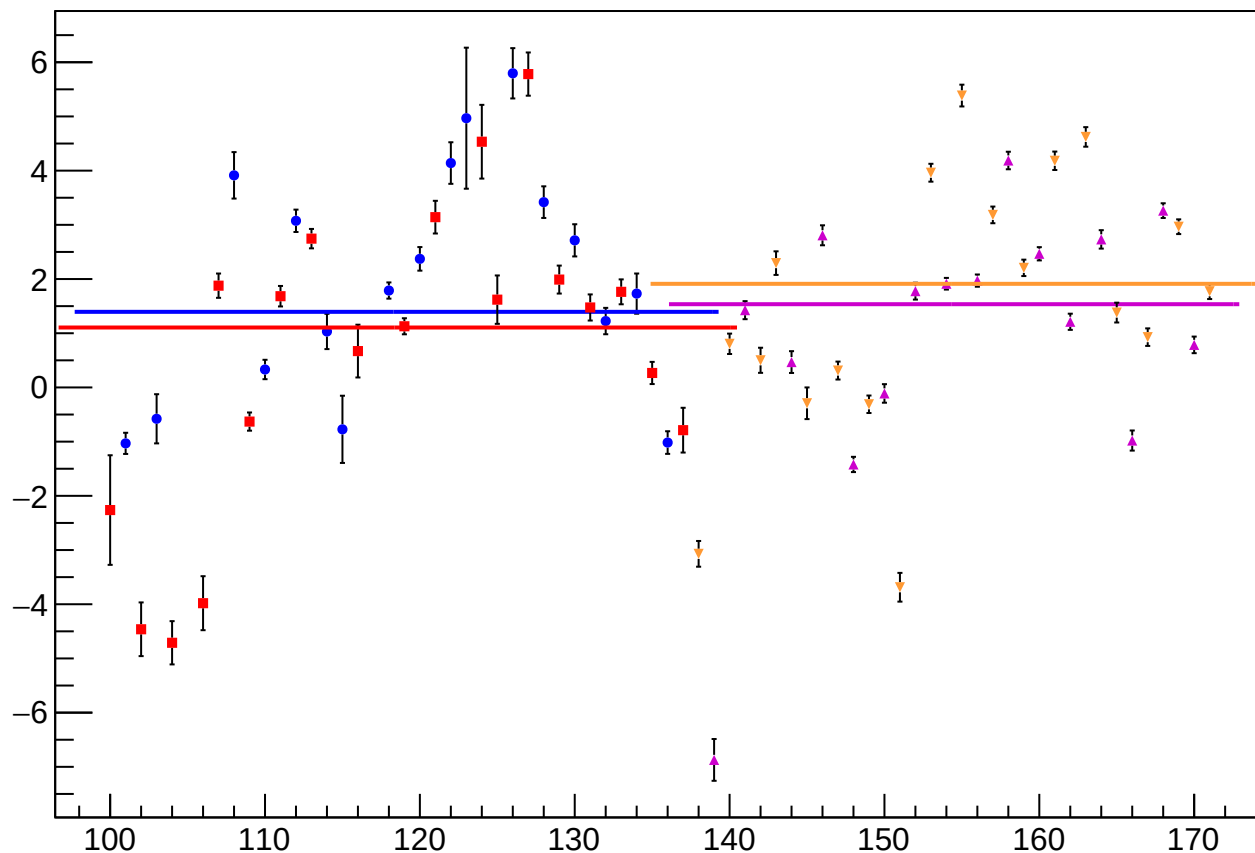
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.544+/-0.052 χ^2/NDF : 36042.0/15

Out: -24.063+/-0.057 χ^2/NDF : 58983.7/17

All: -21.599+/-0.038 χ^2/NDF : 98499.3/33

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: 1.912 $\pm$ 0.042 χ^2/NDF :2337.0/17

Right Out: 1.106 $\pm$ 0.059 χ^2/NDF : 937.0/18

Left In: 1.536 $\pm$ 0.038 χ^2/NDF :1865.1/15

Left: 1.705 $\pm$ 0.028 χ^2/NDF : 4246.4/33

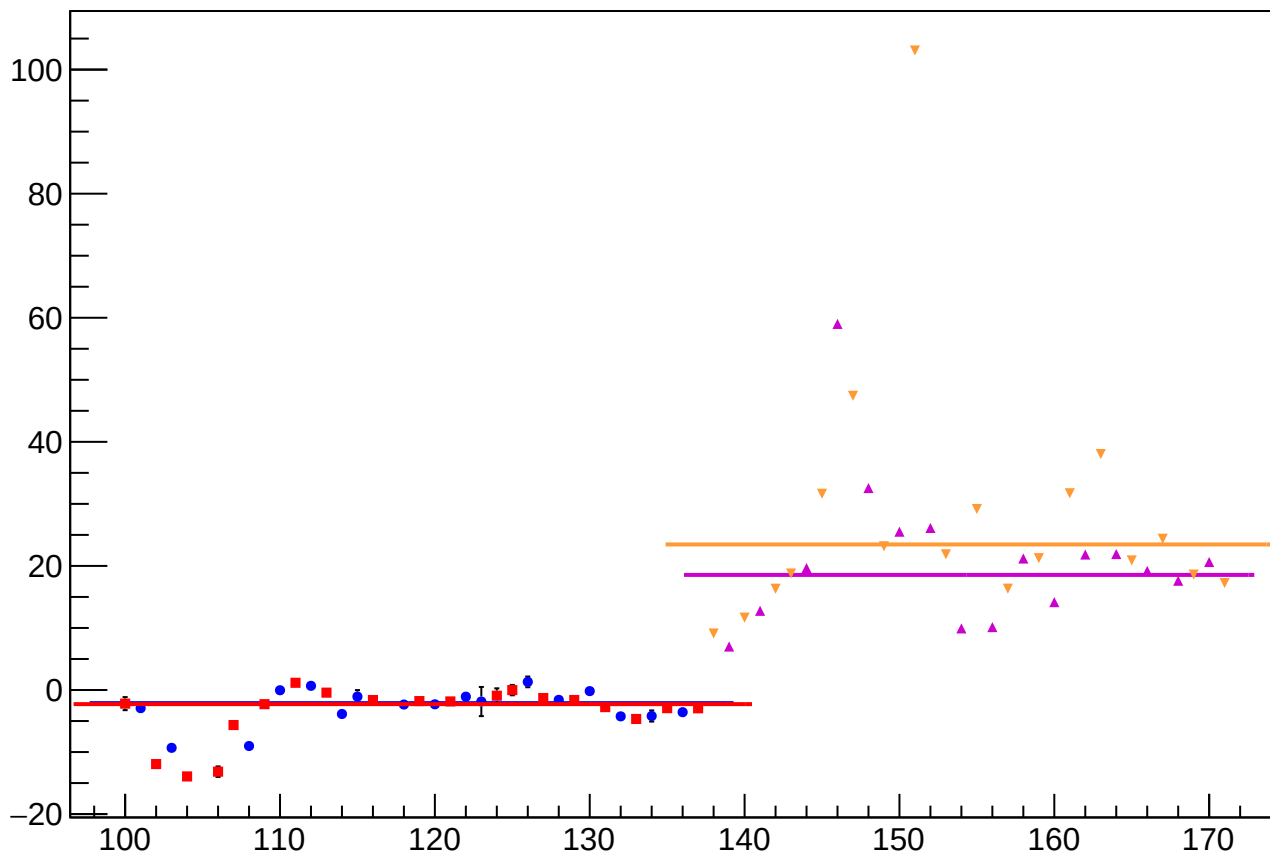
Right: 1.241 $\pm$ 0.043 χ^2/NDF : 1649.6/35

In: 1.499 $\pm$ 0.032 χ^2/NDF :2570.2/32

Out: 1.643 $\pm$ 0.034 χ^2/NDF :3397.4/36

All: 1.567 $\pm$ 0.024 χ^2/NDF : 5977.0/69

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 23.461 ± 0.056 $\chi^2/\text{NDF}: 52690.1/17$

Right Out: -2.277 ± 0.101 $\chi^2/\text{NDF}: 919.4/18$

Left In: 18.551 ± 0.050 $\chi^2/\text{NDF}: 34024.2/15$

Left: 20.745 ± 0.037 $\chi^2/\text{NDF}: 90987.5/33$

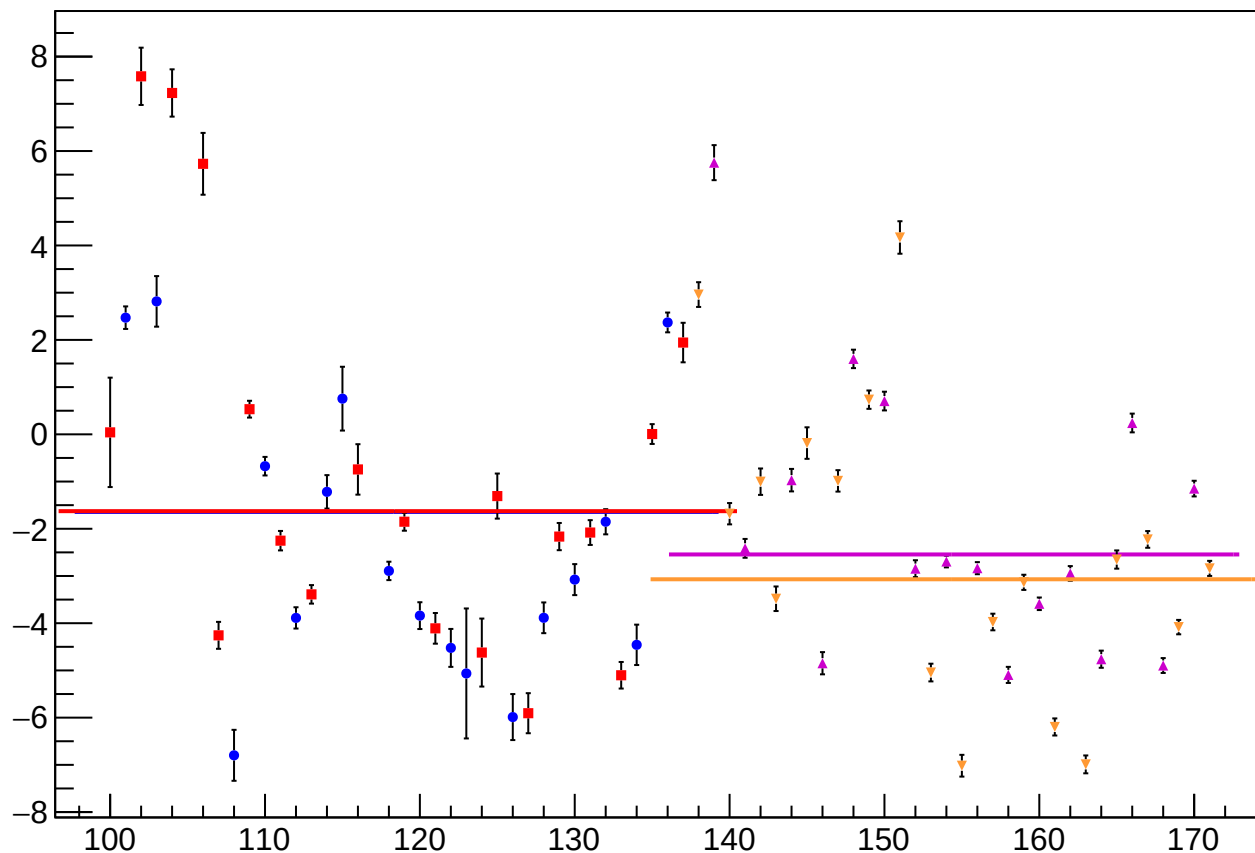
Right: -2.207 ± 0.075 $\chi^2/\text{NDF}: 1406.8/35$

In: 15.159 ± 0.046 $\chi^2/\text{NDF}: 62332.0/32$

Out: 17.435 ± 0.049 $\chi^2/\text{NDF}: 103307.9/36$

All: 16.225 ± 0.033 $\chi^2/\text{NDF}: 166792.3/69$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643+/-0.072 χ^2/NDF : 1310.1/16

Left Out: -3.070+/-0.048 χ^2/NDF :2840.9/17

Right Out: -1.627+/-0.067 χ^2/NDF : 1468.1/18

Left In: -2.544+/-0.043 χ^2/NDF :2299.7/15

Left: -2.780+/-0.032 χ^2/NDF : 5207.9/33

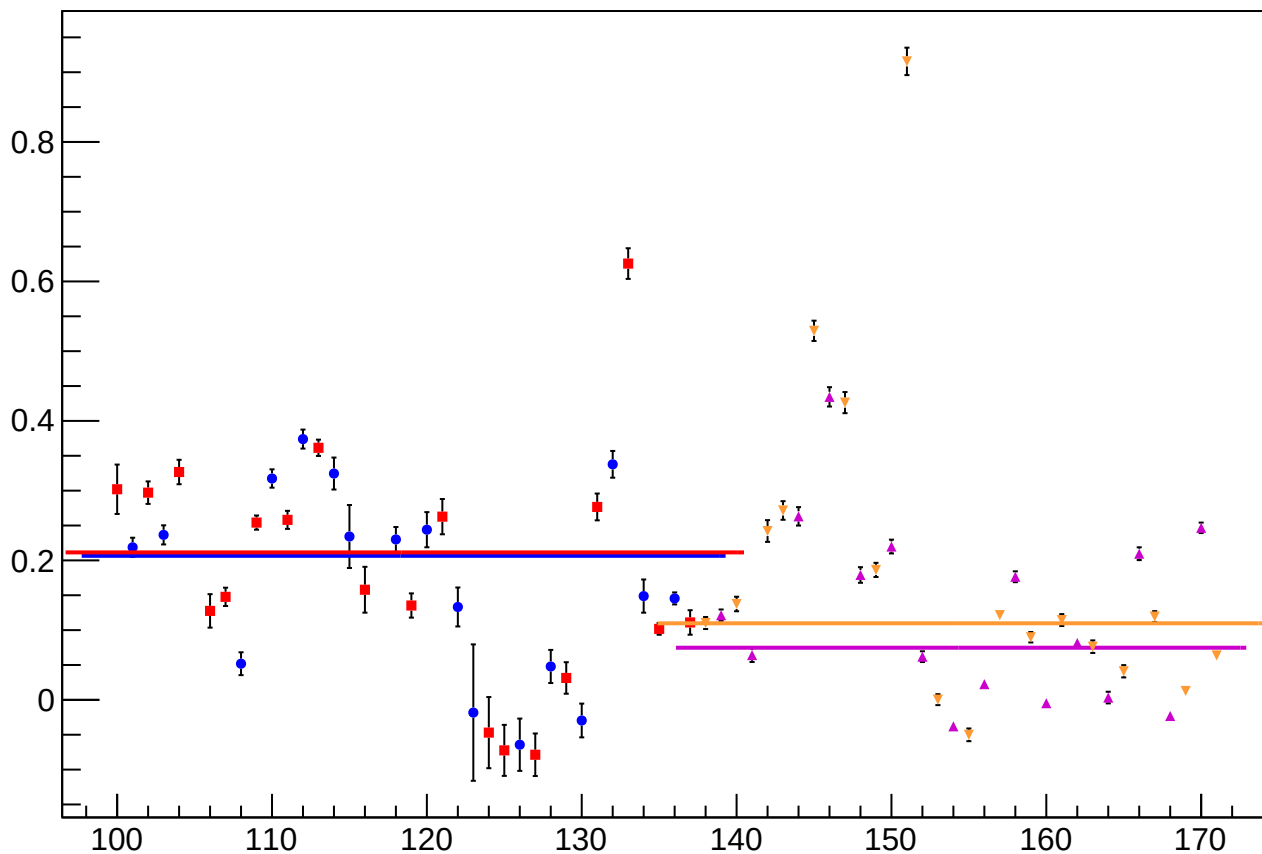
Right: -1.635+/-0.049 χ^2/NDF : 2778.2/35

In: -2.309+/-0.037 χ^2/NDF :3724.3/32

Out: -2.586+/-0.039 χ^2/NDF :4617.8/36

All: -2.441+/-0.027 χ^2/NDF : 8368.9/69

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 ± 0.004 $\chi^2/\text{NDF}: 655.0/16$

Left Out: 0.110 ± 0.002 $\chi^2/\text{NDF}: 4059.8/17$

Right Out: 0.211 ± 0.004 $\chi^2/\text{NDF}: 1145.6/18$

Left In: 0.075 ± 0.002 $\chi^2/\text{NDF}: 3217.0/15$

Left: 0.090 ± 0.001 $\chi^2/\text{NDF}: 7429.0/33$

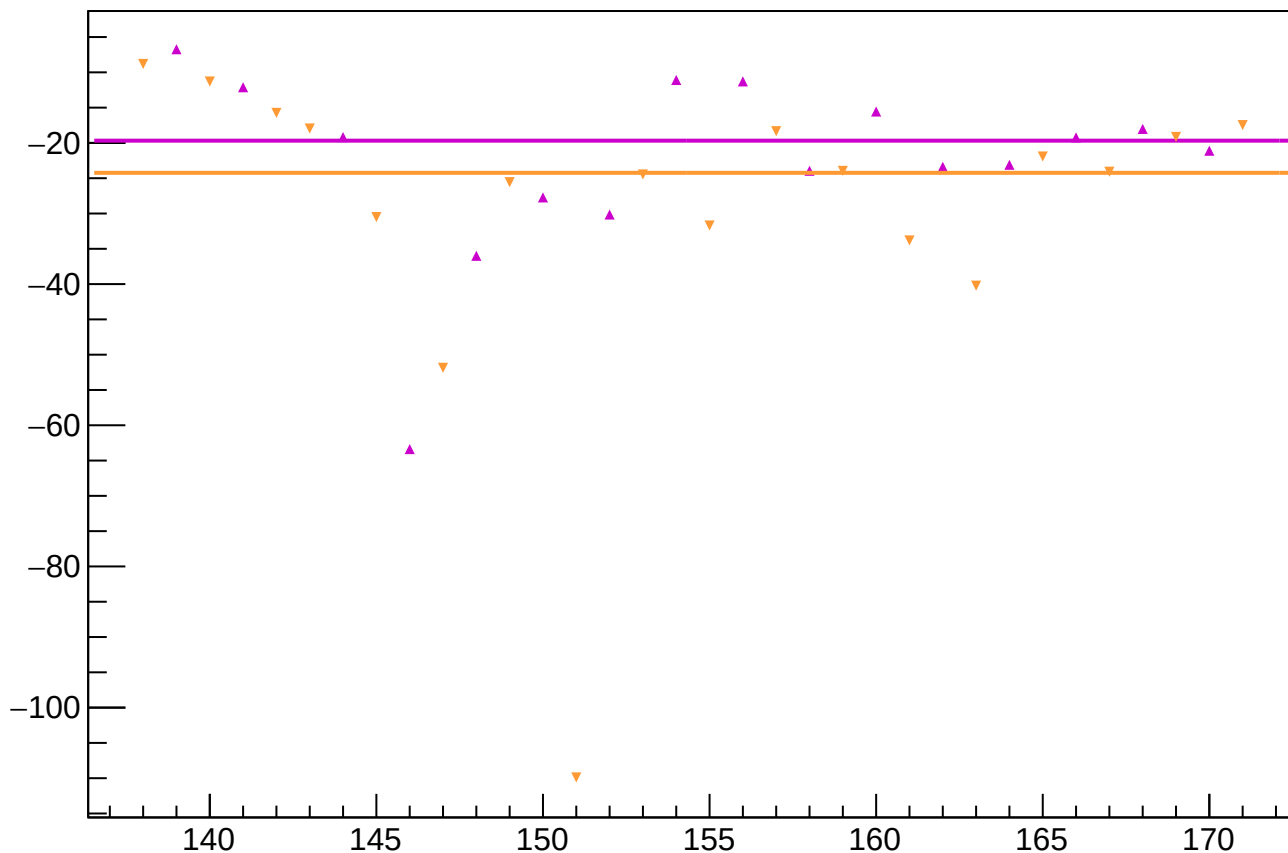
Right: 0.209 ± 0.003 $\chi^2/\text{NDF}: 1801.3/35$

In: 0.097 ± 0.002 $\chi^2/\text{NDF}: 4686.2/32$

Out: 0.134 ± 0.002 $\chi^2/\text{NDF}: 5758.5/36$

All: 0.114 ± 0.001 $\chi^2/\text{NDF}: 10668.8/69$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -24.236 $\pm$ 0.057 χ^2 /NDF:57801.1/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -19.679 $\pm$ 0.052 χ^2 /NDF:36332.3/15

Left: -21.759 $\pm$ 0.039 χ^2 /NDF: 97588.1/33

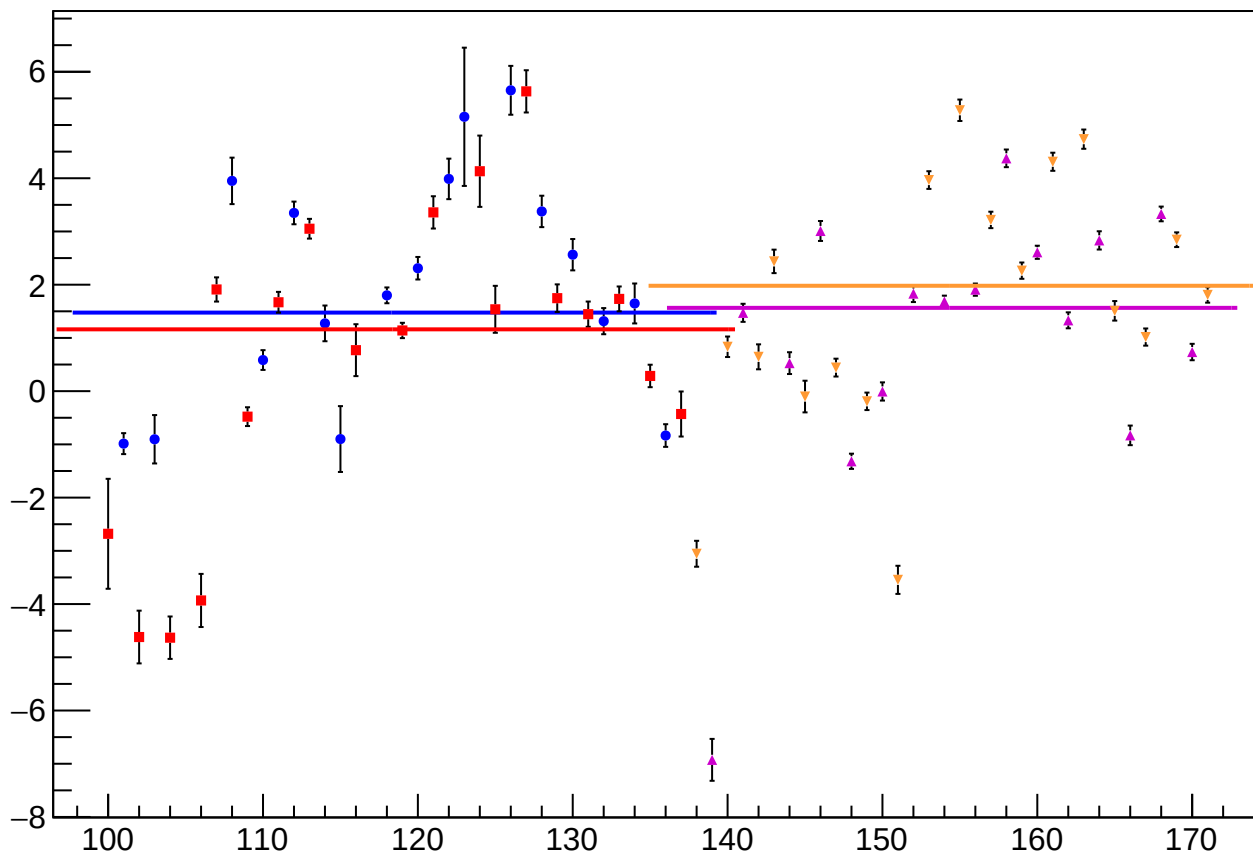
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -19.679 $\pm$ 0.052 χ^2 /NDF:36332.3/15

Out: -24.236 $\pm$ 0.057 χ^2 /NDF:57801.1/17

All: -21.759 $\pm$ 0.039 χ^2 /NDF: 97588.1/33

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 1.980 ± 0.042 χ^2/NDF : 2226.8/17

Right Out: 1.161 ± 0.060 χ^2/NDF : 917.9/18

Left In: 1.565 ± 0.038 χ^2/NDF : 1830.9/15

Left: 1.752 ± 0.028 χ^2/NDF : 4110.5/33

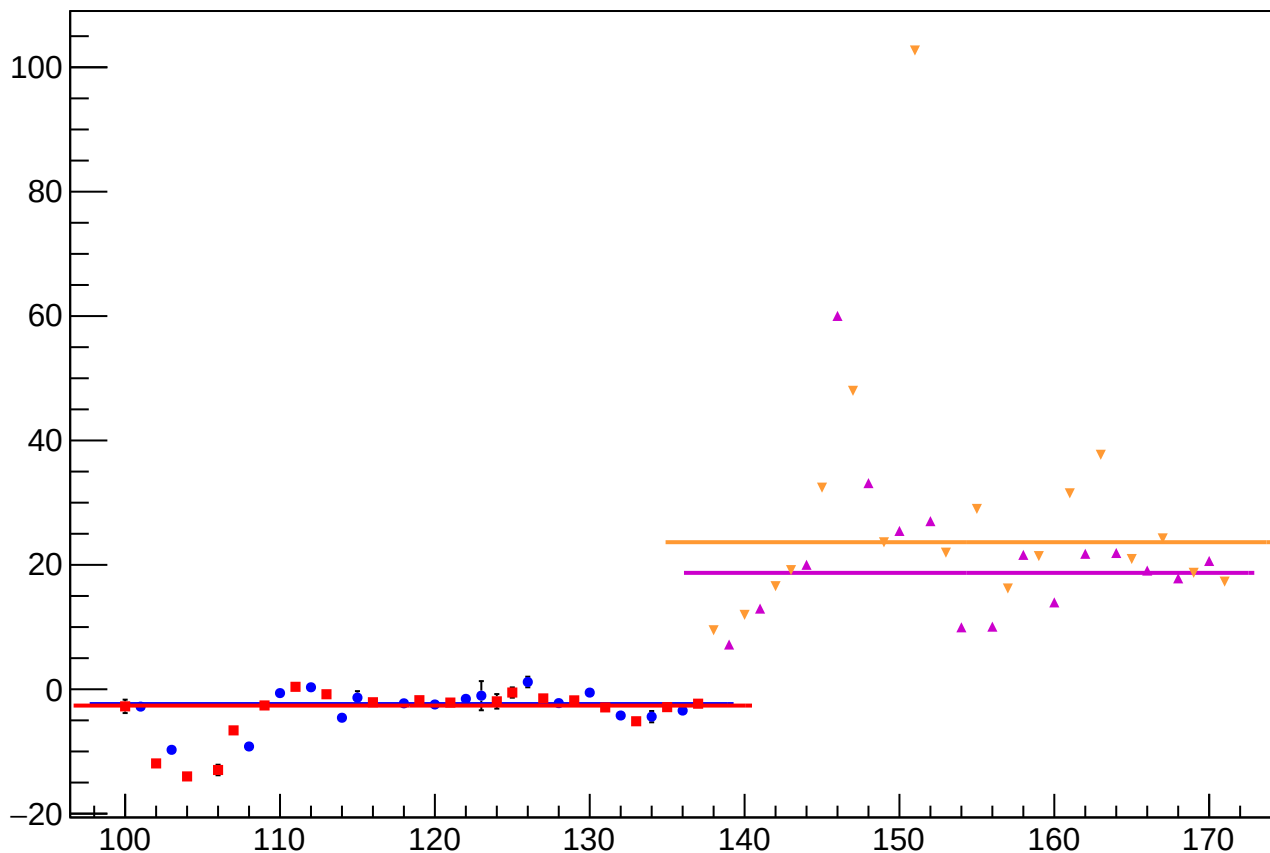
Right: 1.309 ± 0.044 χ^2/NDF : 1590.5/35

In: 1.541 ± 0.033 χ^2/NDF : 2492.0/32

Out: 1.708 ± 0.035 χ^2/NDF : 3269.2/36

All: 1.620 ± 0.024 χ^2/NDF : 5773.5/69

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 23.645 ± 0.056 χ^2/NDF : 51748.0/17

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

Left In: 18.715 ± 0.051 χ^2/NDF : 34332.4/15

Left: 20.927 ± 0.038 χ^2/NDF : 90295.5/33

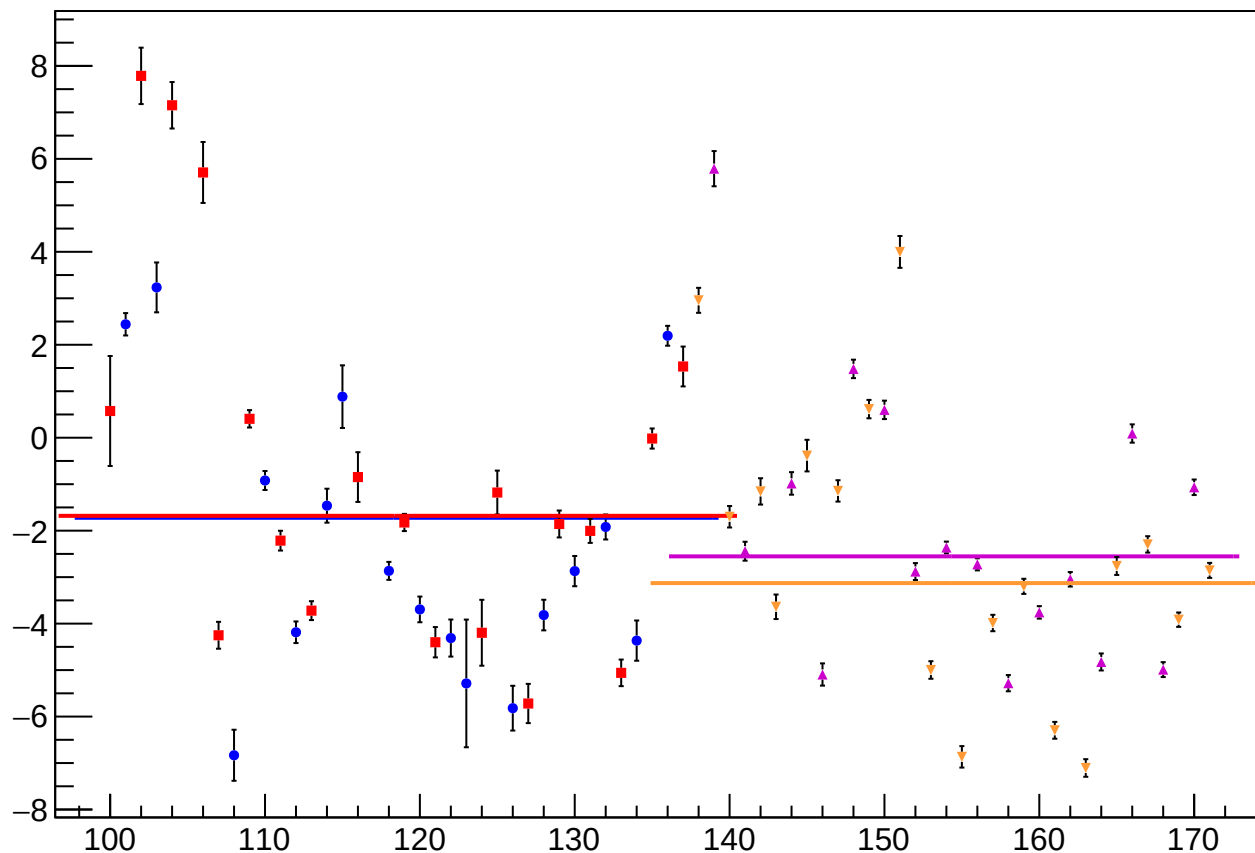
Right: -2.514 ± 0.077 χ^2/NDF : 1282.5/35

In: 15.264 ± 0.047 χ^2/NDF : 62899.6/32

Out: 17.611 ± 0.049 χ^2/NDF : 102439.6/36

All: 16.365 ± 0.034 χ^2/NDF : 166533.6/69

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: -3.128±/0.048 χ^2/NDF :2716.4/17

Right Out: -1.681±/0.068 χ^2/NDF : 1431.0/18

Left In: -2.553±/0.044 χ^2/NDF :2291.7/15

Left: -2.813±/0.032 χ^2/NDF : 5087.0/33

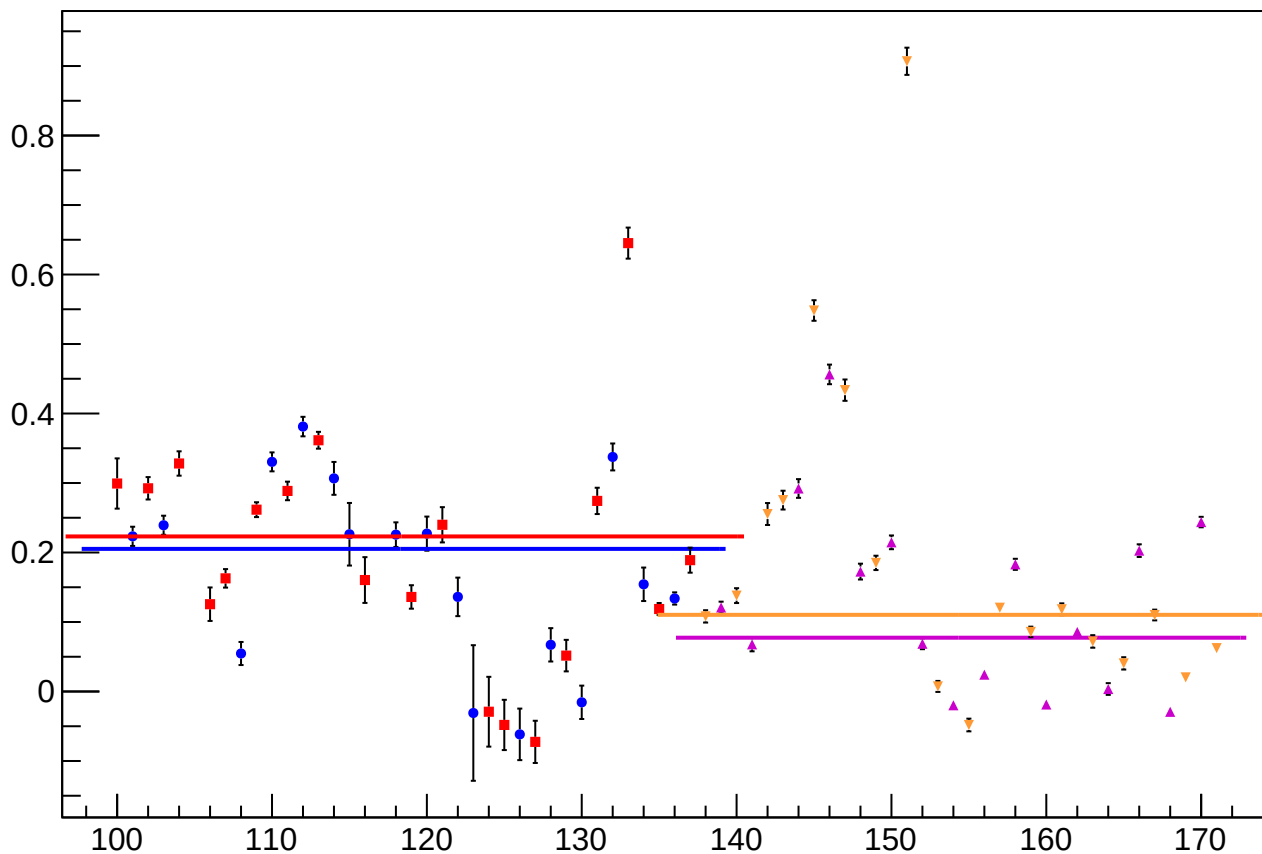
Right: -1.700±/0.050 χ^2/NDF : 2678.8/35

In: -2.335±/0.037 χ^2/NDF :3634.6/32

Out: -2.647±/0.039 χ^2/NDF :4450.2/36

All: -2.484±/0.027 χ^2/NDF : 8117.9/69

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 650.7/16

Left Out: 0.110 $\pm$ 0.002 χ^2 /NDF: 4044.7/17

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1040.5/18

Left In: 0.077 $\pm$ 0.002 χ^2 /NDF: 3182.7/15

Left: 0.092 $\pm$ 0.001 χ^2 /NDF: 7358.9/33

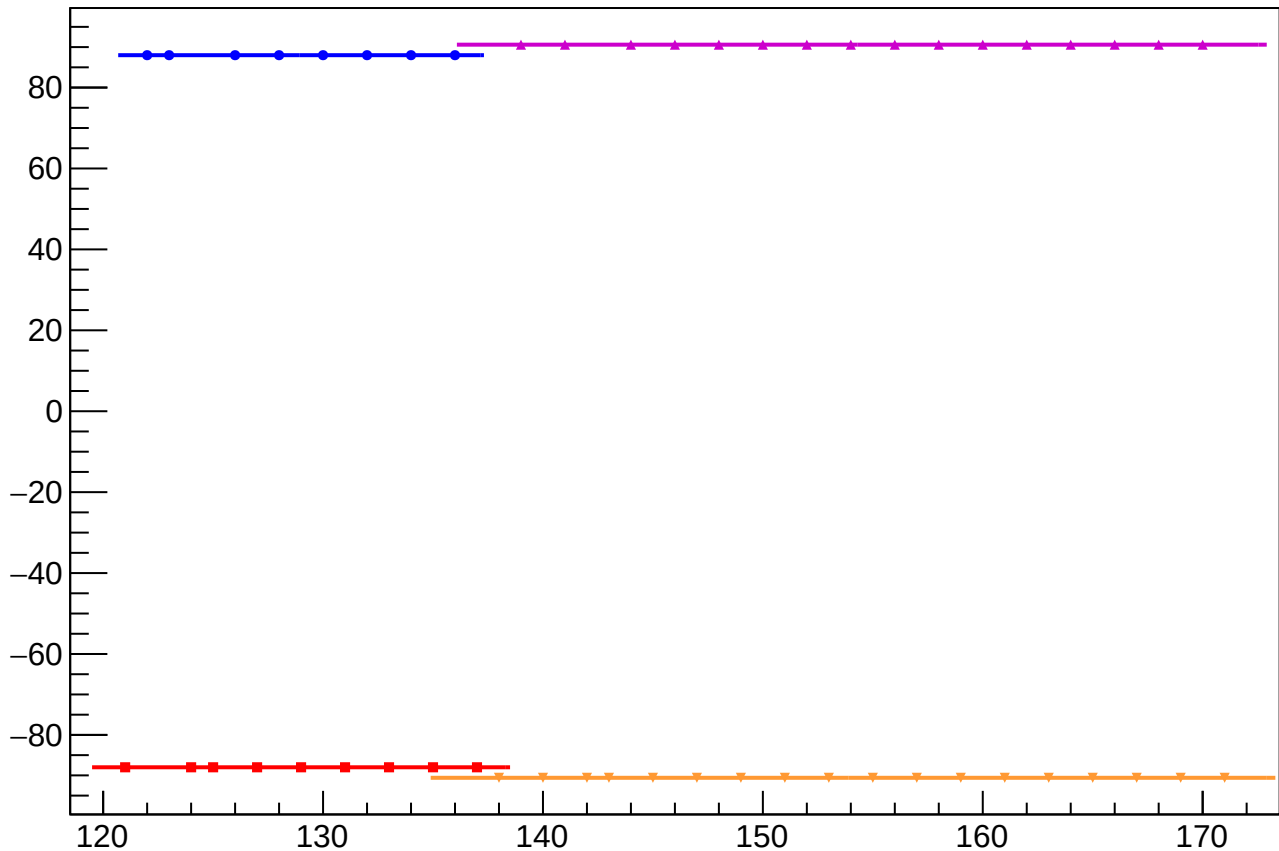
Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1700.9/35

In: 0.099 $\pm$ 0.002 χ^2 /NDF: 4578.5/32

Out: 0.137 $\pm$ 0.002 χ^2 /NDF: 5742.8/36

All: 0.116 $\pm$ 0.001 χ^2 /NDF: 10548.6/69

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001 ± 0.000 $\chi^2/\text{NDF}: 714089.5/7$

Left Out: -90.599 ± 0.000 $\chi^2/\text{NDF}: 5218952.3/17$

Right Out: -88.001 ± 0.000 $\chi^2/\text{NDF}: 109456.0/8$

Left In: 90.599 ± 0.000 $\chi^2/\text{NDF}: 5077184.5/15$

Left: -3.540 ± 0.000 $\chi^2/\text{NDF}: 22021841872304551$

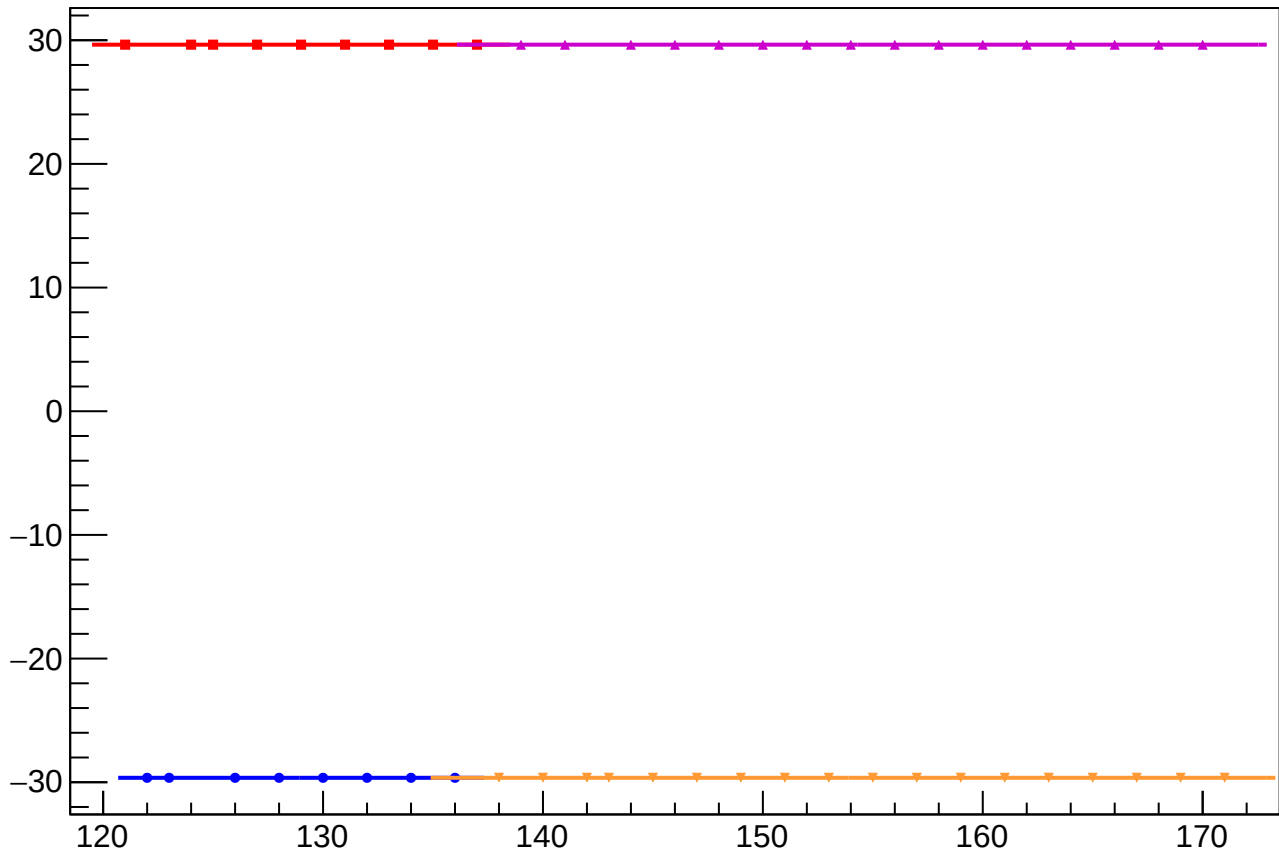
Right: 3.062 ± 0.000 $\chi^2/\text{NDF}: 51126681569224617$

In: 90.055 ± 0.000 $\chi^2/\text{NDF}: 182575686681049309$

Out: -90.116 ± 0.000 $\chi^2/\text{NDF}: 1753431305478220$

All: -2.237 ± 0.000 $\chi^2/\text{NDF}: 2715763535418$

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641 $\pm$ 0.000 χ^2 /NDF: 405045.4/7

Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 228403.6/17

Right Out: 29.641 $\pm$ 0.000 χ^2 /NDF: 29358.2/8

Left In: 29.641 $\pm$ 0.000 χ^2 /NDF: 198363.8/15

Left: -1.158 $\pm$ 0.000 χ^2 /NDF: 23571161779320687

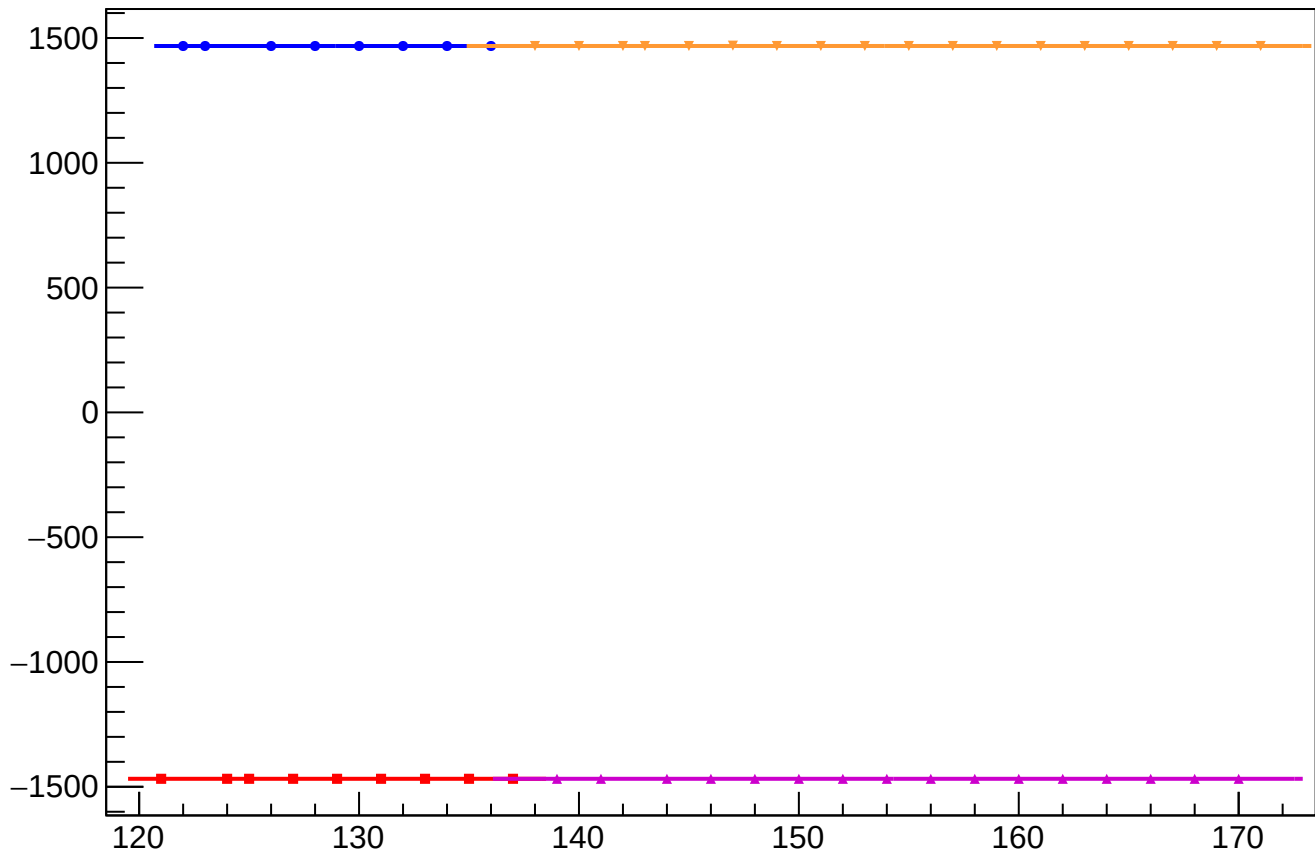
Right: -1.031 $\pm$ 0.000 χ^2 /NDF: 5800324943766944

In: 17.225 $\pm$ 0.000 χ^2 /NDF: 950174034190674959

Out: -18.614 $\pm$ 0.000 χ^2 /NDF: 9125338250064964

All: -1.133 $\pm$ 0.000 χ^2 /NDF: 2937157215234

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.066+/-0.000 χ^2/NDF : 126274638156017744473598694785024.0/17

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: -1467.991+/-0.000 χ^2/NDF : 123070487966281594197961080832.0/15

Left: 57.403+/-0.000 χ^2/NDF : 5781932799973474

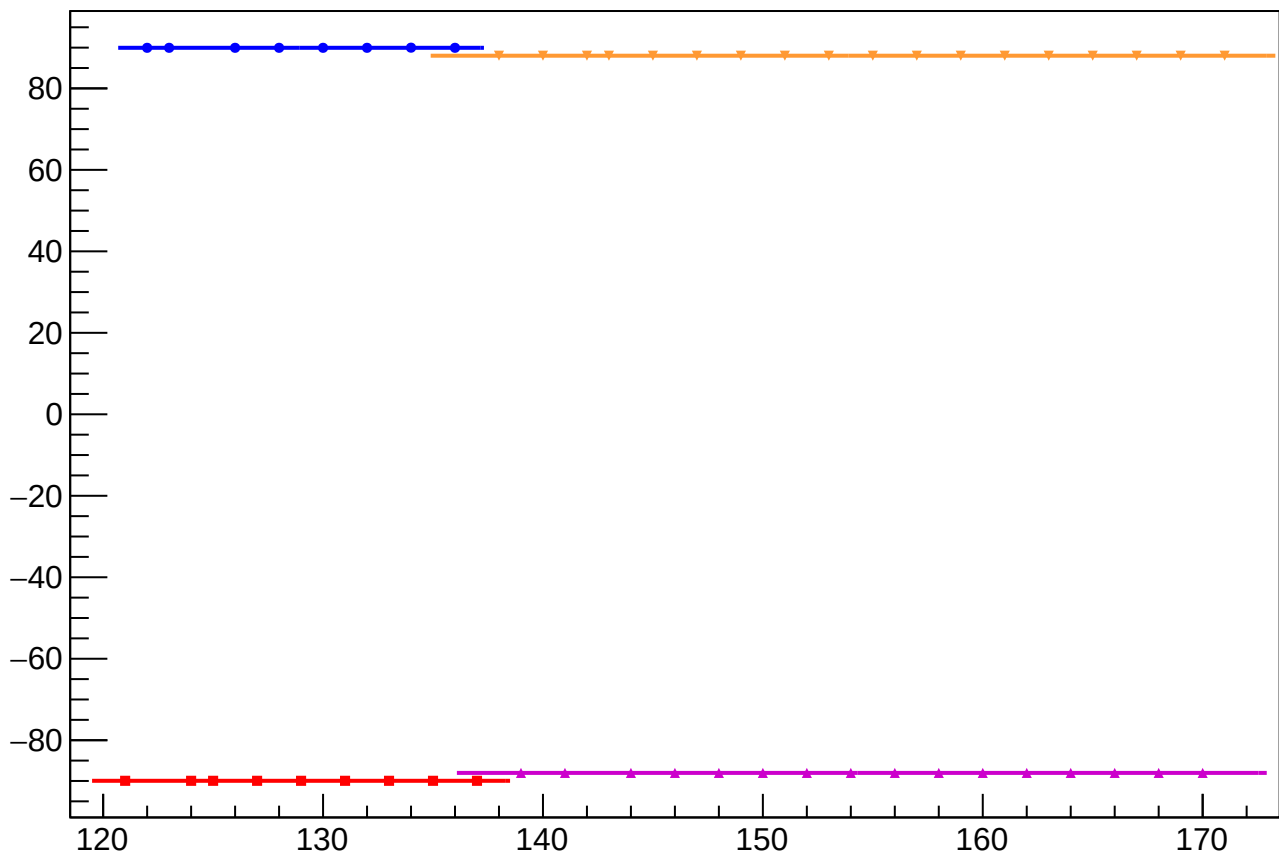
Right: 51.079+/-0.000 χ^2/NDF : 1422706063207371

In: -853.110+/-0.000 χ^2/NDF : 2330610046082132

Out: 921.944+/-0.000 χ^2/NDF : 2238398674483672

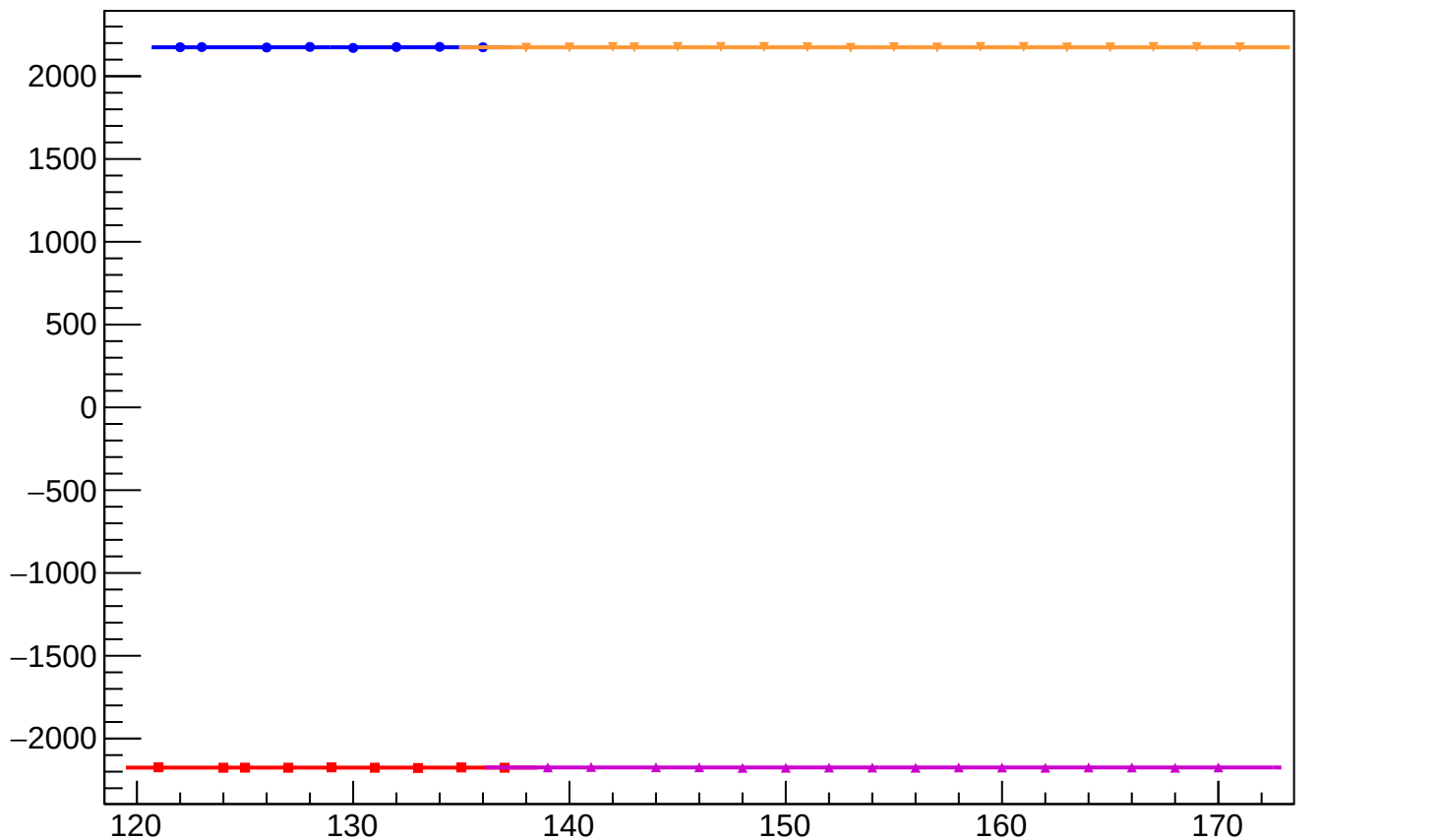
All: 56.155+/-0.000 χ^2/NDF : 7204660078769

Phi_FG_mean vs Slug, Sign Corrected



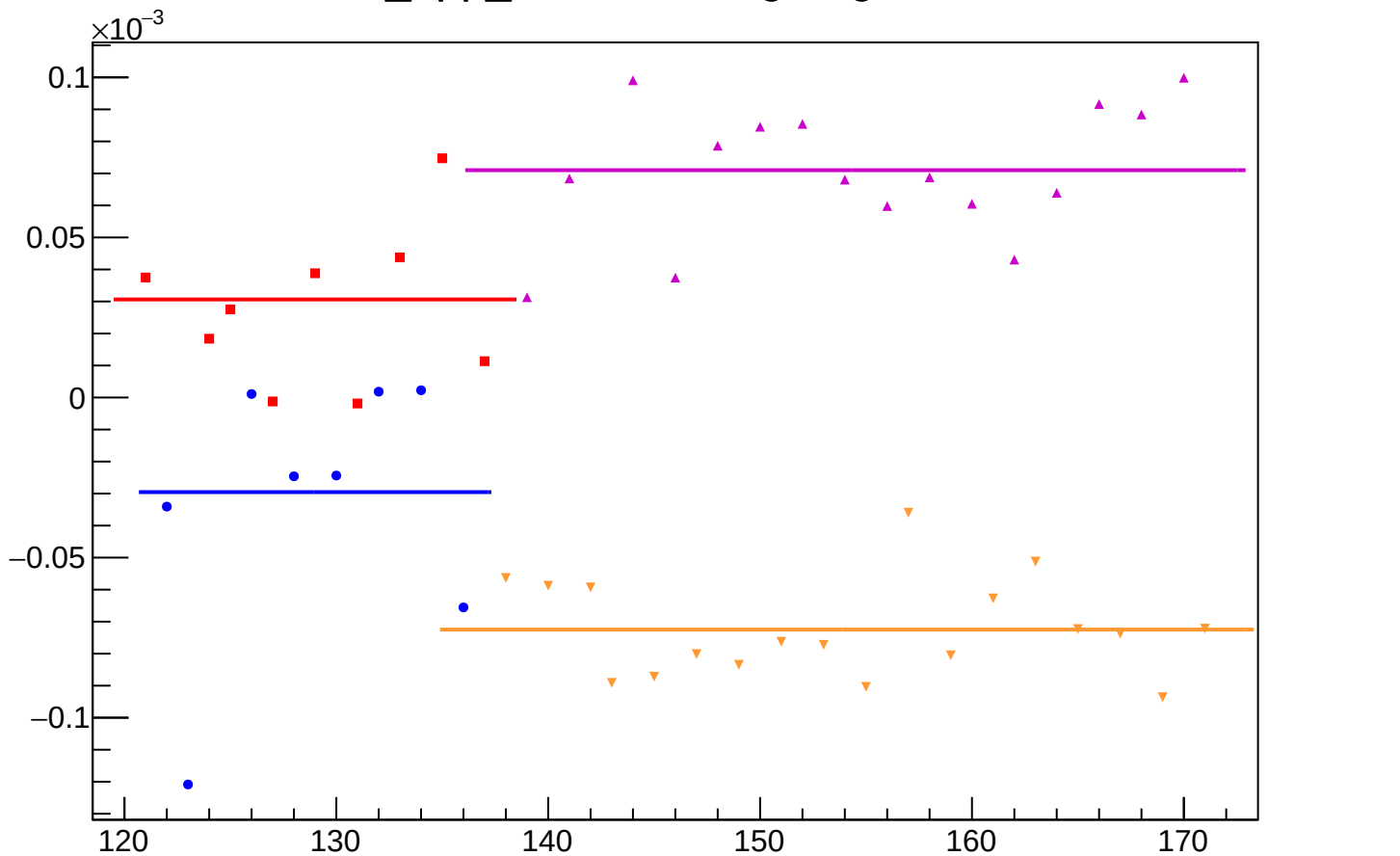
Right In: 89.961+/-0.000	χ^2/NDF : 21528640598708602874349223936.0/7	Left: 3.440+/-0.000	χ^2/NDF : 207861306347573725
Left Out: 88.021+/-0.000	χ^2/NDF : 4601798.0/17	Right: 3.131+/-0.000	χ^2/NDF : 53429021948733419
Right Out: -89.959+/-0.000	χ^2/NDF : 331397.3/8	In: -50.746+/-0.000	χ^2/NDF : 85648245944243621
Left In: -88.021+/-0.000	χ^2/NDF : 4825960.7/15	Out: 54.915+/-0.000	χ^2/NDF : 82253499051017937
		All: 3.379+/-0.000	χ^2/NDF : 26129083264608

HALLA_p_mean vs Slug, Sign Corrected



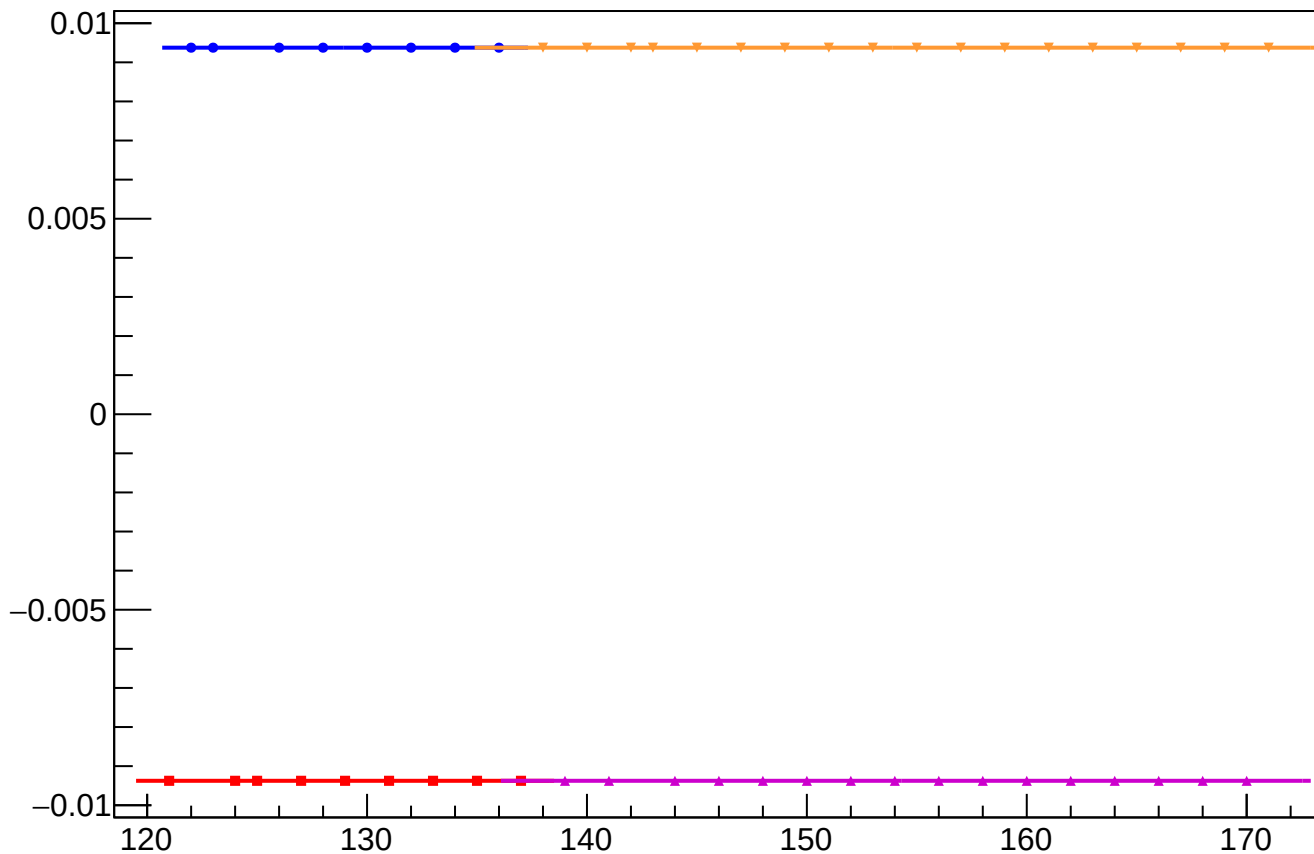
Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7
 Left Out: 2174.558+/-0.000 χ^2/NDF : 3961617957074318991492364684492800.0/17
 Right Out: -2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8
 Left In: -2174.640+/-0.000 χ^2/NDF : 2633723365059104496347361568620544.0/15
 All: 83.023+/-0.000 χ^2/NDF : 1581033377970

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 : 14644997602000870
Left Out: -0.000+/-0.000	χ^2/NDF : 316521891822752208257024.0/17	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 : 3504062493743364173
Left In: 0.000+/-0.000	χ^2/NDF : 520103546705728262635520.0/15	Out: -0.000+/-0.000	χ^2/NDF : 32736551578109542
		All: -0.000+/-0.000	χ^2/NDF : 1569445196481

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/17

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/15

Left: 0.000+/-0.000 χ^2/NDF : 23580148632303625

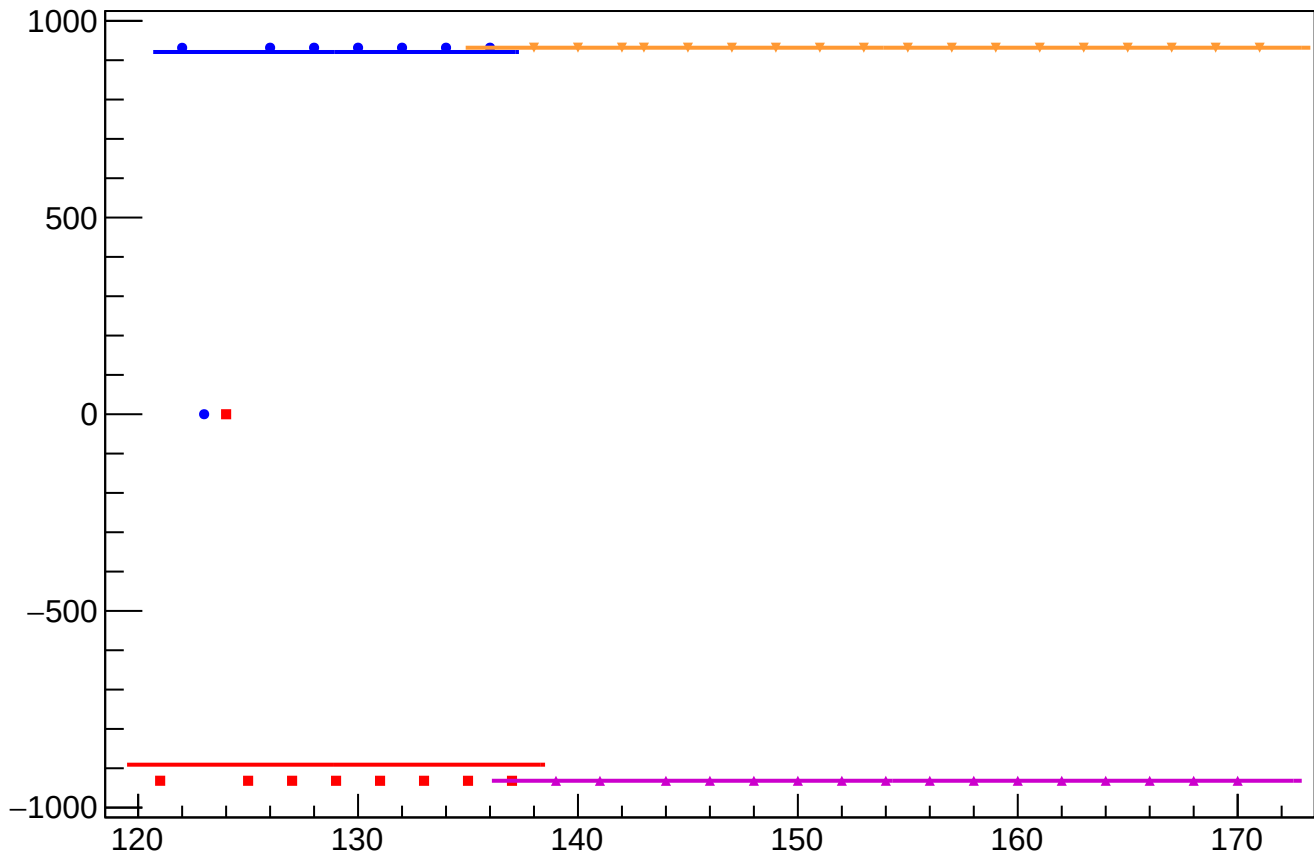
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 950536302051436857

Out: 0.006+/-0.000 χ^2/NDF : 912881741982505342

All: 0.000+/-0.000 χ^2/NDF : 2938277049731

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 920.898+/-0.000

χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.784+/-0.000

χ^2/NDF : 3845305844464548797182728208384.0/17

Right Out: -890.923+/-0.000

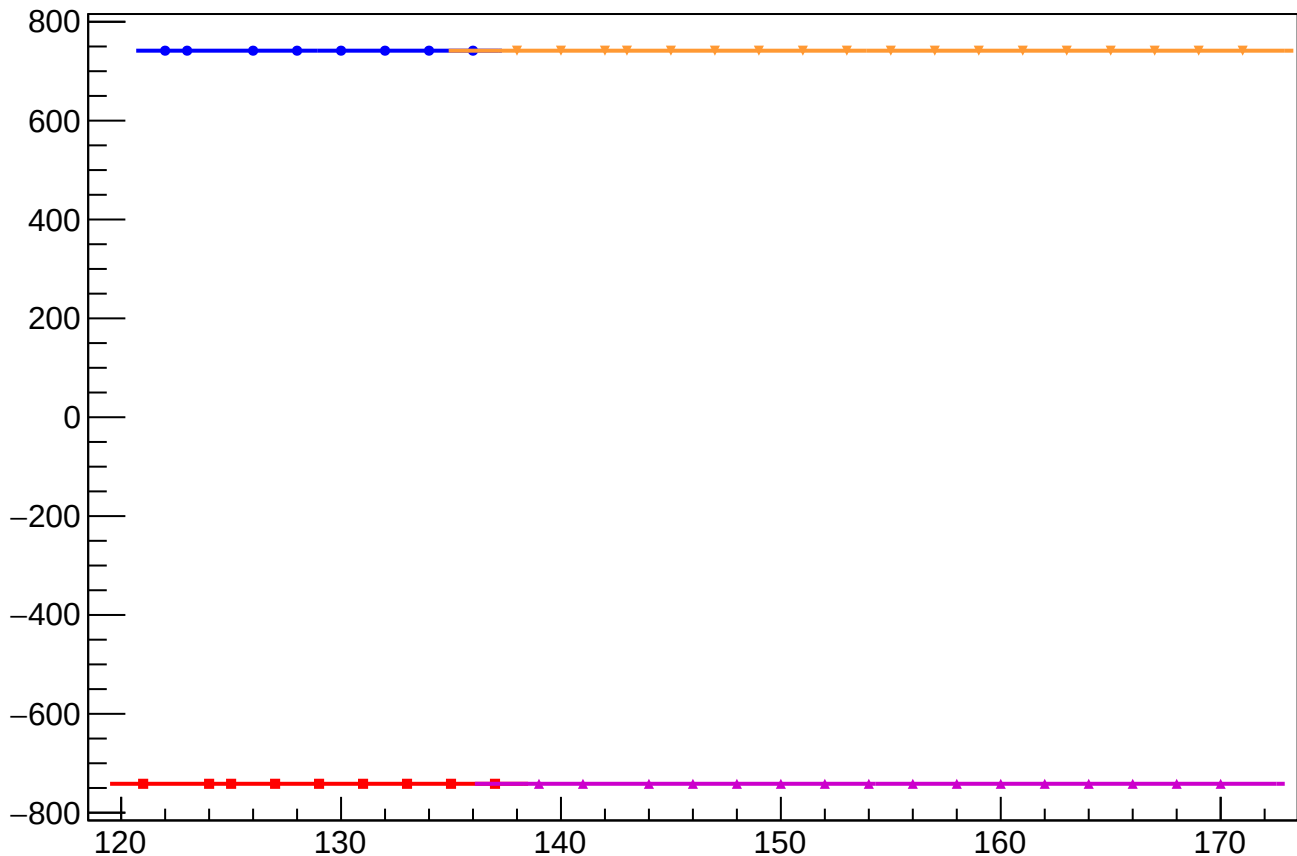
χ^2/NDF : 11621671430114409722932854398744788992.0/8

Left In: -931.773+/-0.000

χ^2/NDF : 3376361485574593352568225660928.0/15

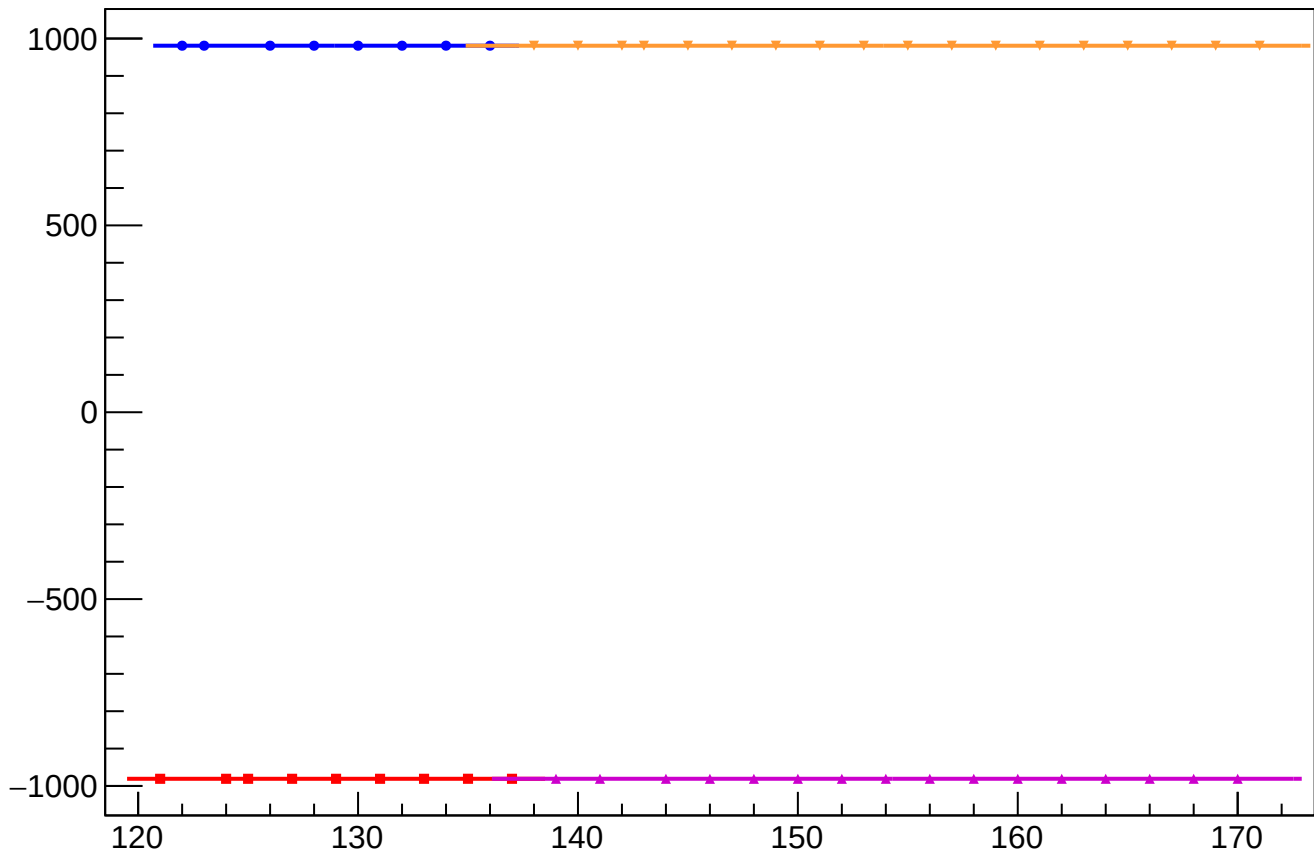
All: 38.409+/-0.000 χ^2/NDF : 2886236919550

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



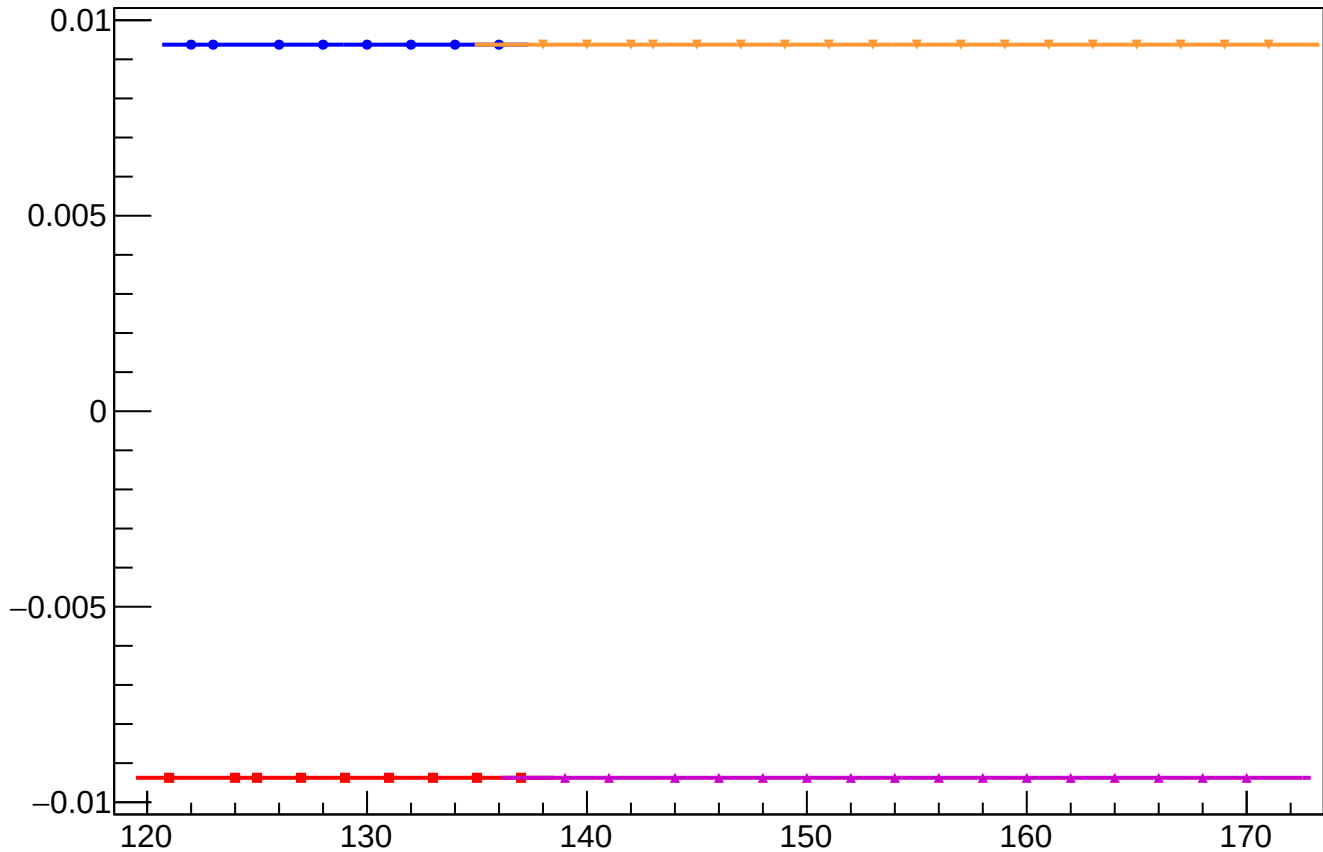
Right In: 741.528 $\pm$ 0.000 χ^2/NDF : 18896144326732419810052800512.0/7
 Left Out: 741.513 $\pm$ 0.000 χ^2/NDF : 181213363206903929492855586816.0/17
 Right Out: -741.529 $\pm$ 0.000 χ^2/NDF : 16580353917842624420385914880.0/8
 Left In: -741.514 $\pm$ 0.000 χ^2/NDF : 155147332325440332398900281344.0/15
 All: 28.349 $\pm$ 0.000 χ^2/NDF : 1838195749287

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825 +/- 0.000 χ^2/NDF : 159345321268745350954763681792.0/7
 Left Out: 980.769 +/- 0.000 χ^2/NDF : 633151057383200059878918848512.0/17
 Right Out: -980.818 +/- 0.000 χ^2/NDF : 143689912167528137563261894656.0/8
 Left In: -980.777 +/- 0.000 χ^2/NDF : 1292640556007464453371932442624.0/15
 All: 37.494 +/- 0.000 χ^2/NDF : 3215848757488

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 : 0.0/17

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/15

Left: 0.000+/-0.000 χ^2/NDF : 23580148632303625

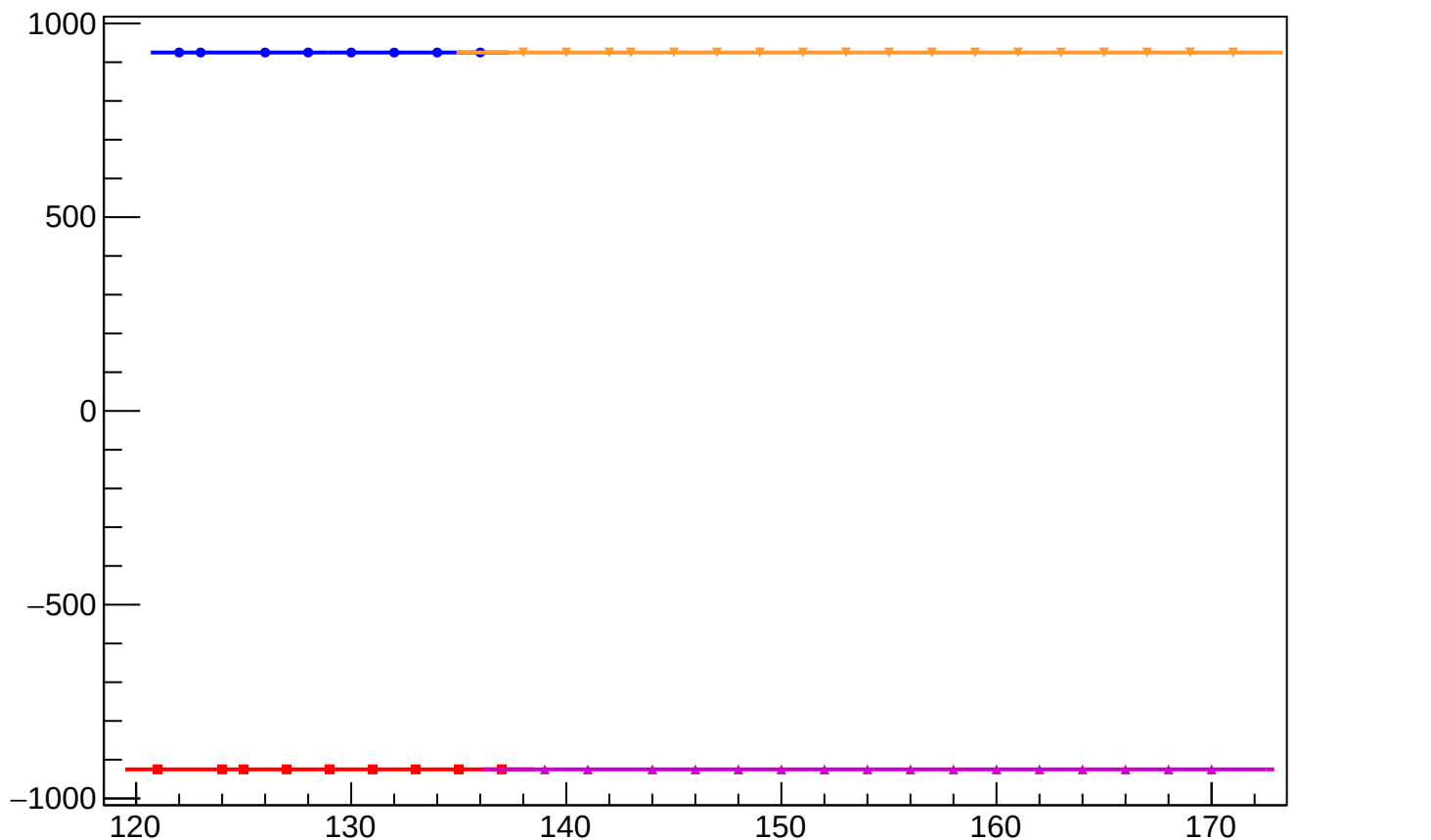
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 950536302051436857

Out: 0.006+/-0.000 χ^2/NDF : 912881741982505342

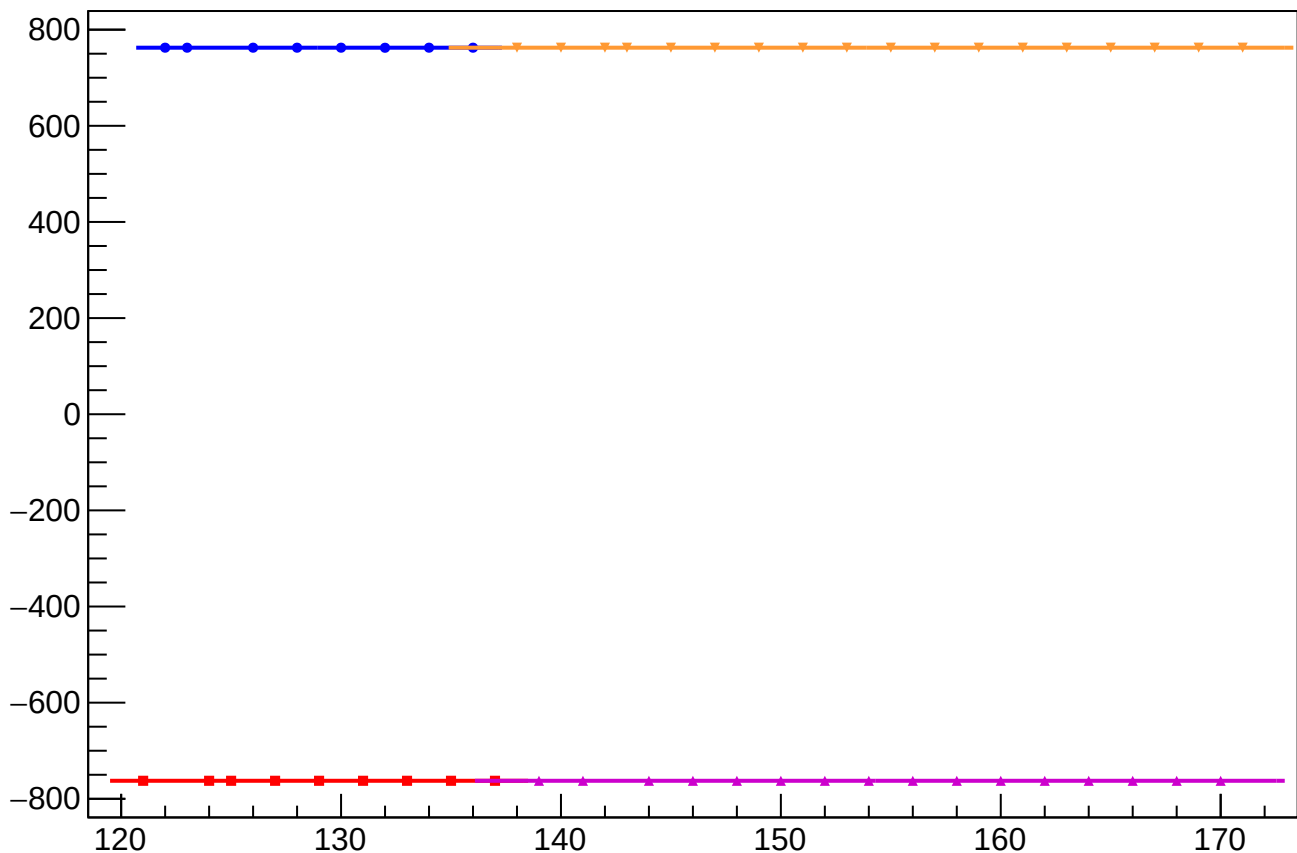
All: 0.000+/-0.000 χ^2/NDF : 2938277049731

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



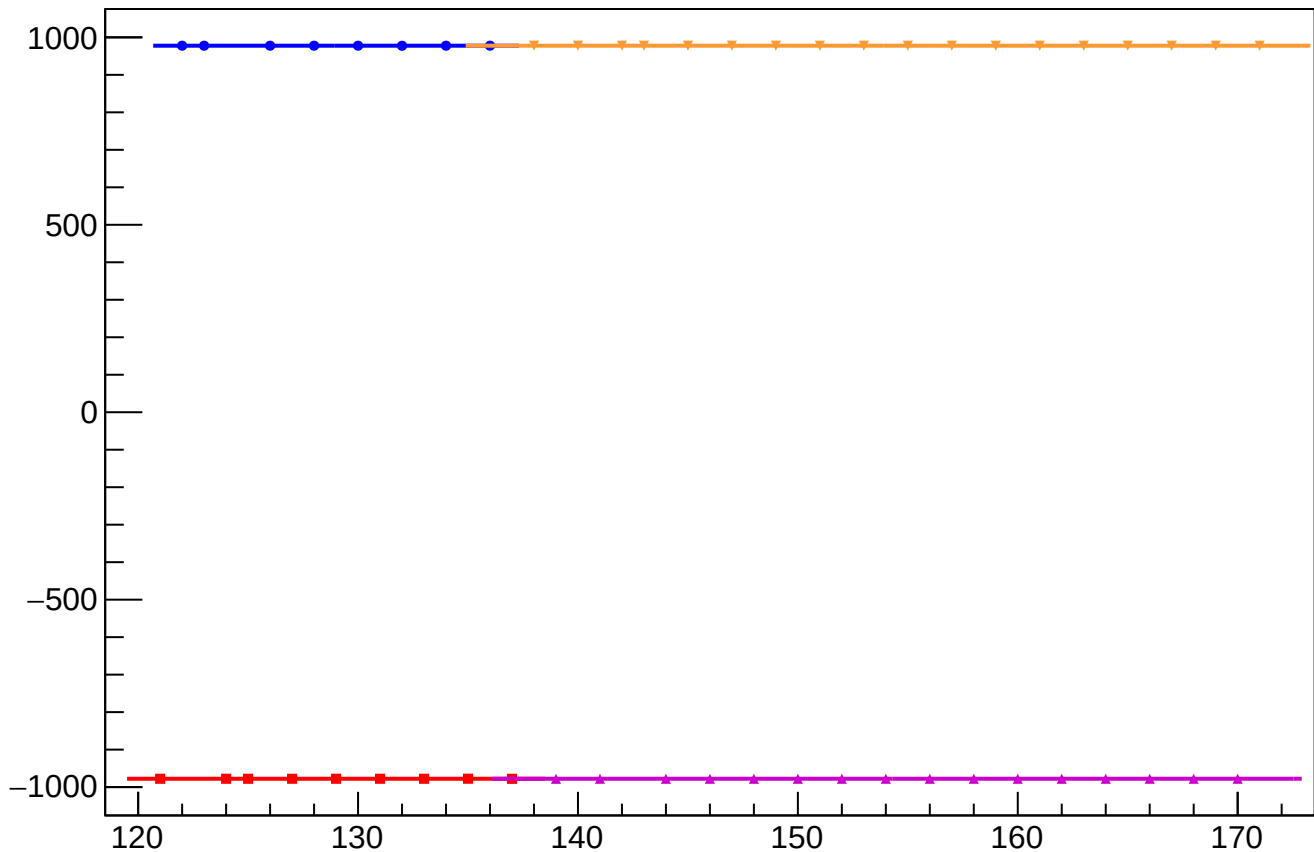
Left: 36.145 +/- 0.000 χ^2/NDF : 22954823859869517
 Right: 32.175 +/- 0.000 χ^2/NDF : 5648201825061875
 In: -537.556 +/- 0.000 χ^2/NDF : 9252838415247759
 Out: 580.885 +/- 0.000 χ^2/NDF : 8886444043069414
 All: 35.361 +/- 0.000 χ^2/NDF : 2860310925849

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



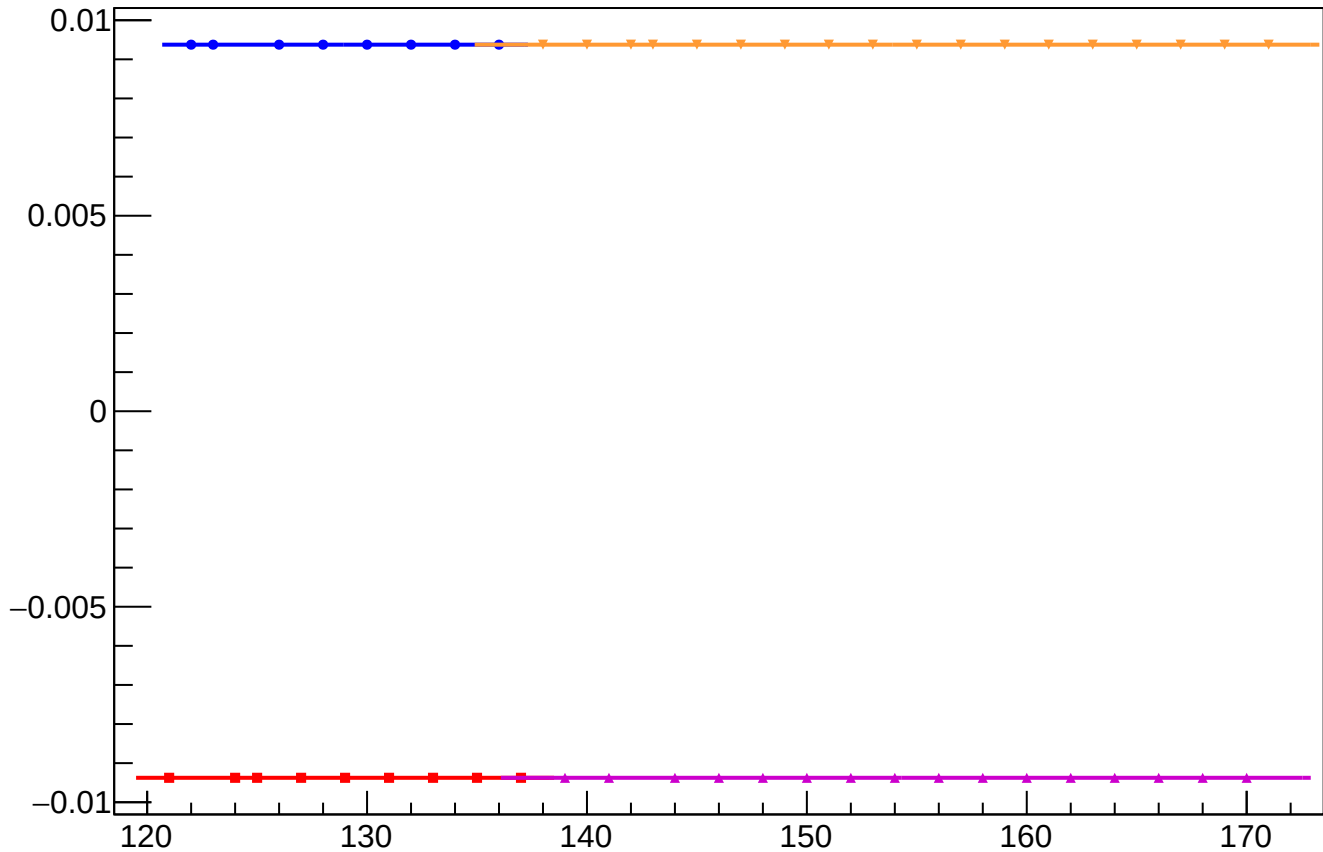
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7
 Left Out: 762.512+/-0.000 χ^2/NDF : 500873153590950546919126990848.0/17
 Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8
 Left In: -762.512+/-0.000 χ^2/NDF : 399668308447036960363276926976.0/15
 All: 29.150+/-0.000 χ^2/NDF : 1943744519653

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000	χ^2/NDF : 1738104571804792841781326643200.0/7	Left: 38.209+/-0.000	χ^2/NDF : 25647739456364440
Left Out: 977.740+/-0.000	χ^2/NDF : 1091446426683871826807453908992.0/17	Right: 34.023+/-0.000	χ^2/NDF : 6311333196839596
Right Out: -977.737+/-0.000	χ^2/NDF : 772313054358211830610902646784.0/8	In: -568.200+/-0.000	χ^2/NDF : 1033883964631431
Left In: -977.737+/-0.000	χ^2/NDF : 925288985246666367406465613824.0/15	Out: 614.010+/-0.000	χ^2/NDF : 9929267683812642
	All: 37.382+/-0.000		χ^2/NDF : 3195916558777

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 : 0.0/17

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/15

Left: 0.000+/-0.000 χ^2/NDF : 23580148632303625

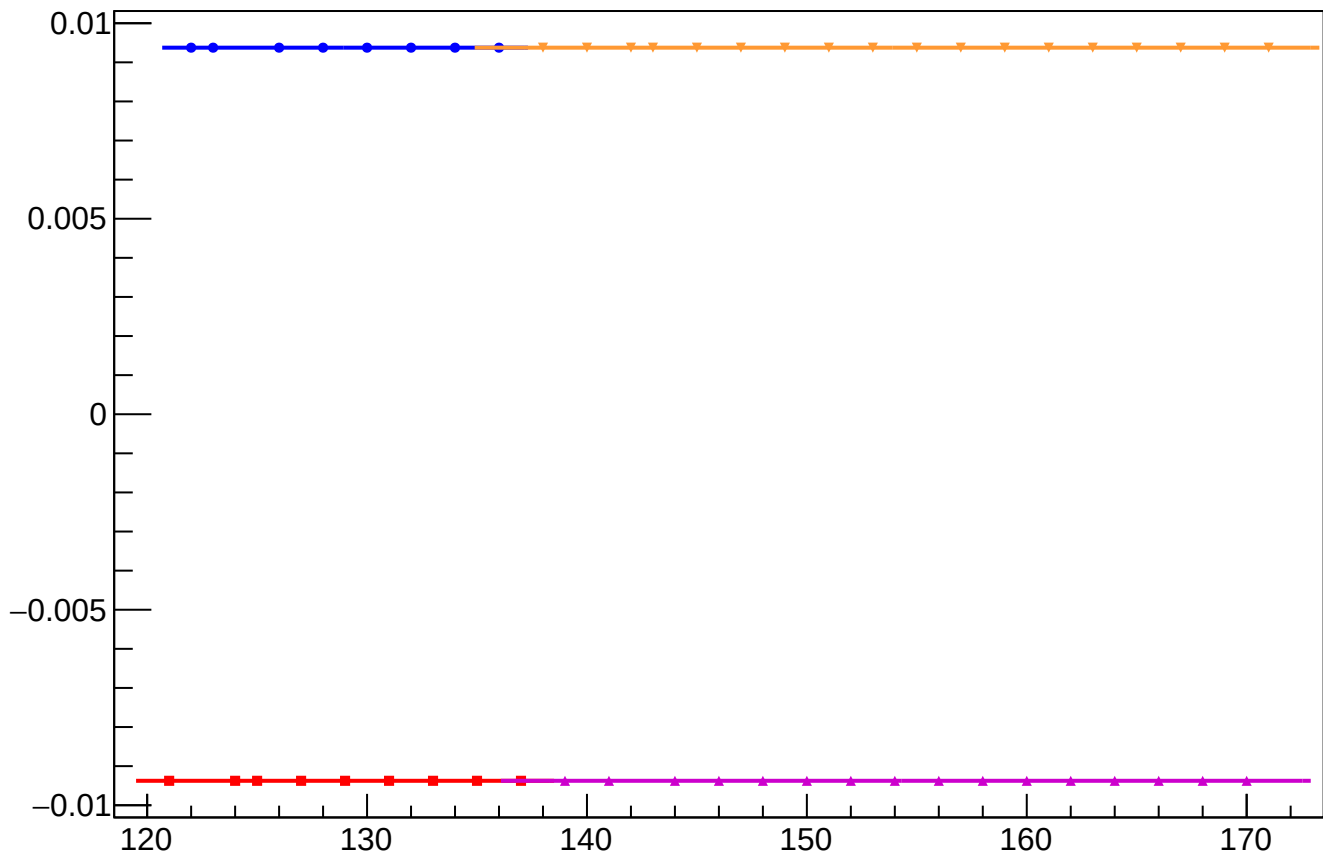
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 950536302051436857

Out: 0.006+/-0.000 χ^2/NDF : 912881741982505342

All: 0.000+/-0.000 χ^2/NDF : 2938277049731

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 : 0.0/17

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/15

Left: 0.000+/-0.000 χ^2/NDF : 23580148632303625

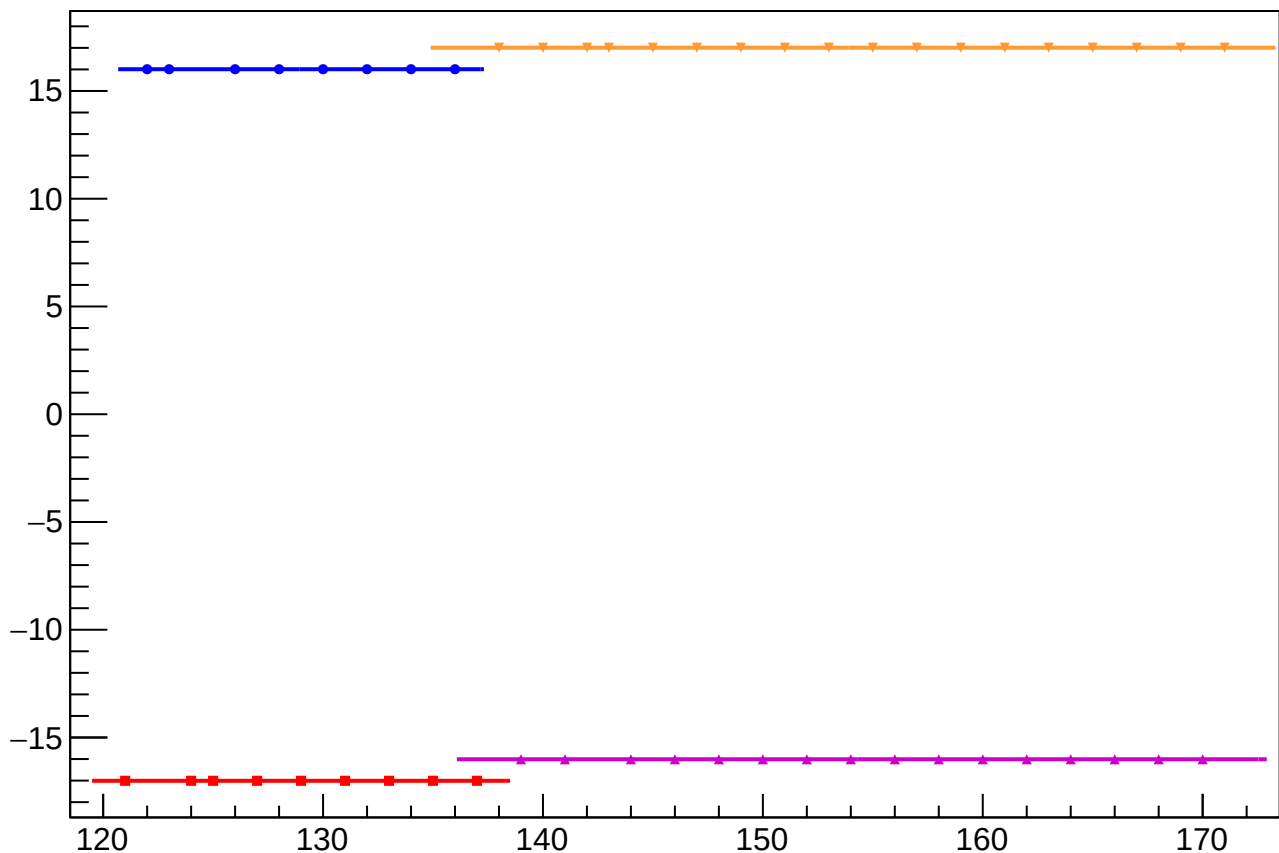
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 950536302051436857

Out: 0.006+/-0.000 χ^2/NDF : 912881741982505342

All: 0.000+/-0.000 χ^2/NDF : 2938277049731

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 20986789774034711395434496.0/17

Right Out: -17.009 $\pm$ 0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009 $\pm$ 0.000 χ^2/NDF : 125624078065520206675968.0/15

Left: 1.130 $\pm$ 0.000 χ^2/NDF : 677952710539886497

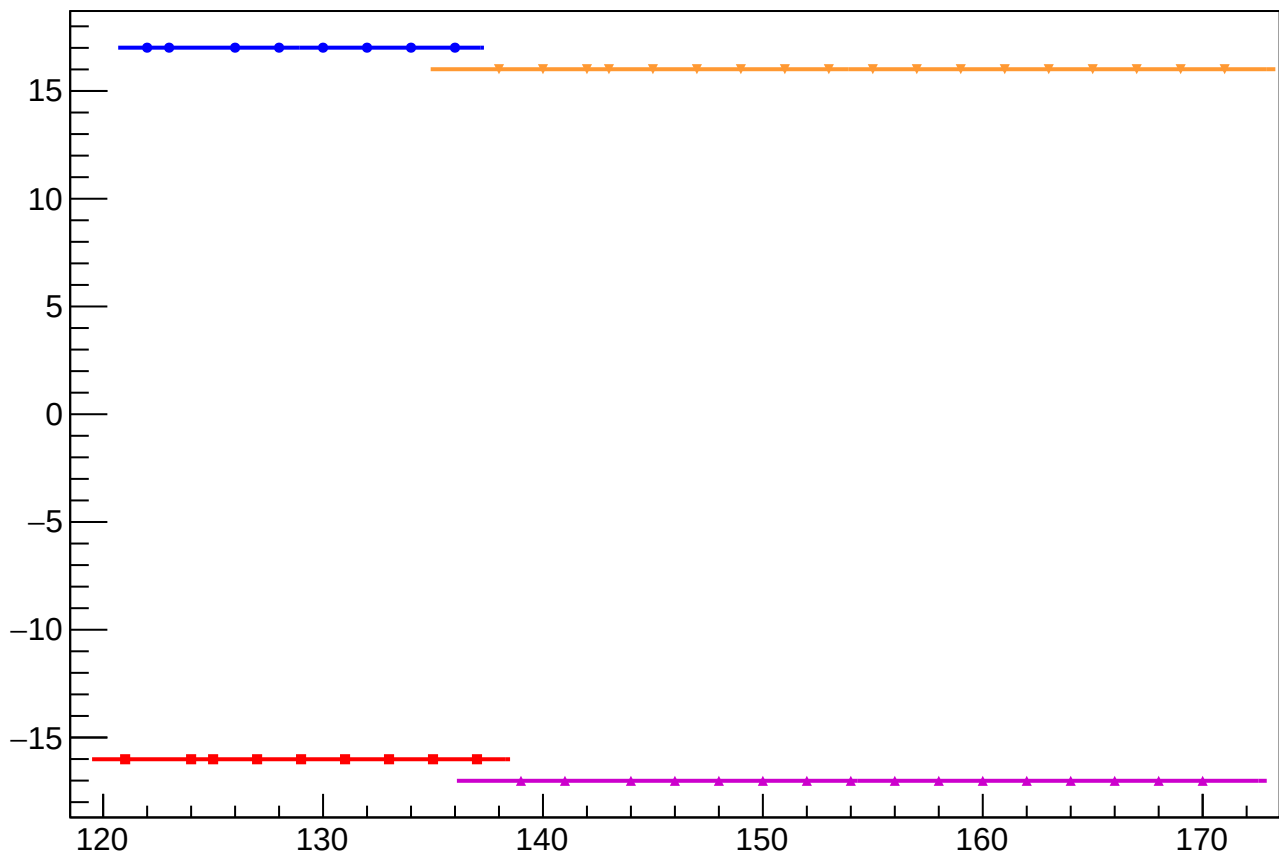
Right: -0.126 $\pm$ 0.000 χ^2/NDF : 1683539334964133

In: -9.326 $\pm$ 0.000 χ^2/NDF : 256346092109296305

Out: 10.568 $\pm$ 0.000 χ^2/NDF : 28331837859935756

All: 0.880 $\pm$ 0.000 χ^2/NDF : 84708713832826

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 76109.3/7

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 77914.2/17

Right Out: -16.009 $\pm$ 0.000 χ^2 /NDF: 17859.8/8

Left In: -17.009 $\pm$ 0.000 χ^2 /NDF: 112879853041586175737856.0/15

Left: 0.226 $\pm$ 0.000 χ^2 /NDF: 723332320015395128

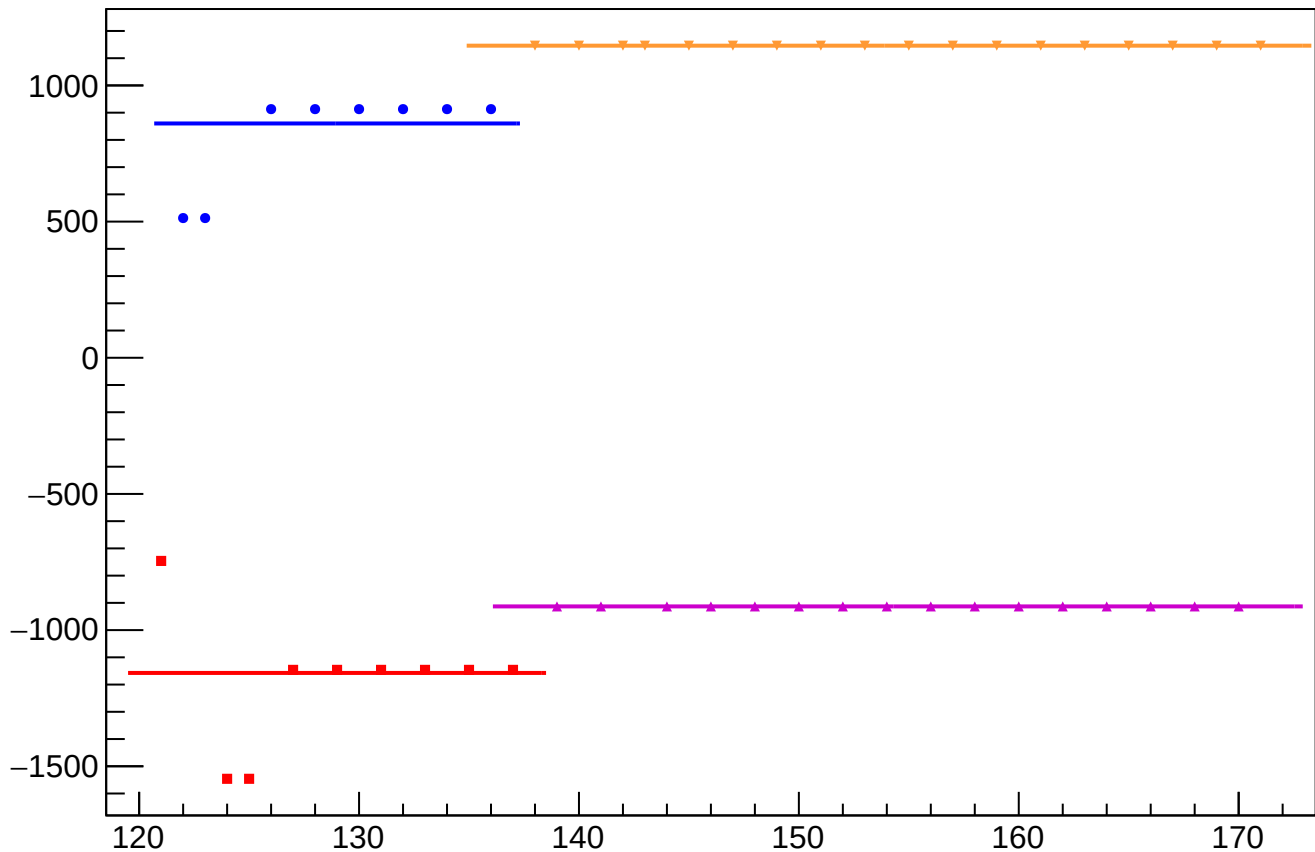
Right: 1.074 $\pm$ 0.000 χ^2 /NDF: 17994367493156690

In: -9.796 $\pm$ 0.000 χ^2 /NDF: 311870236610661223

Out: 10.026 $\pm$ 0.000 χ^2 /NDF: 26592267724782182

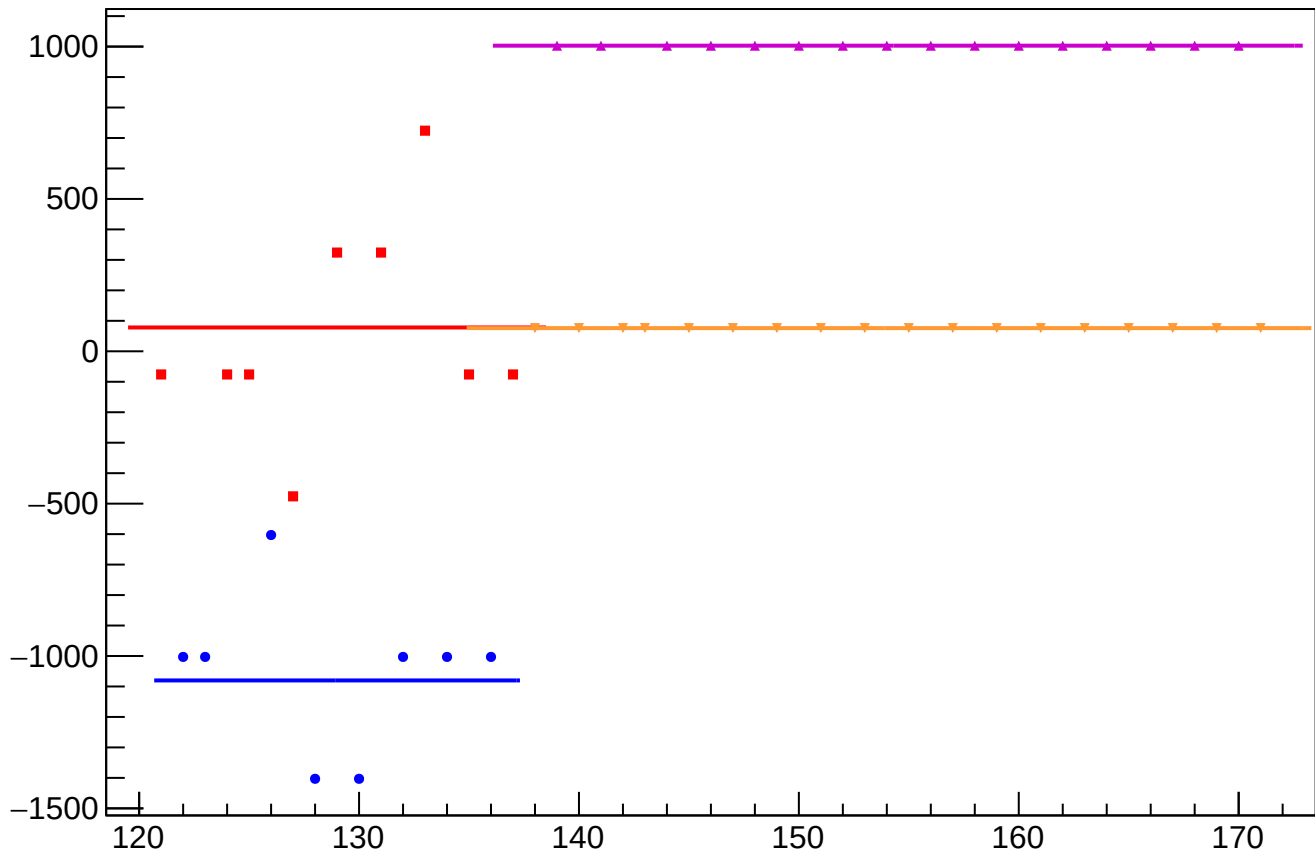
All: 0.395 $\pm$ 0.000 χ^2 /NDF: 90365670264213

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 : 4441629938116583153639358464.0/17
 Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8
 Left In: -912.995+/-0.000 χ^2/NDF : 18160117649840669346108538880.0/15
 All: 103.412+/-0.000 χ^2/NDF : 357428135530

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 : 9907772313390455921026531328.0/17

Right Out: 78.224+/-0.000

χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.990+/-0.000

χ^2/NDF : 1972254072153440325860327424.0/15

All: 315.562+/-0.000

χ^2/NDF : 143565226869