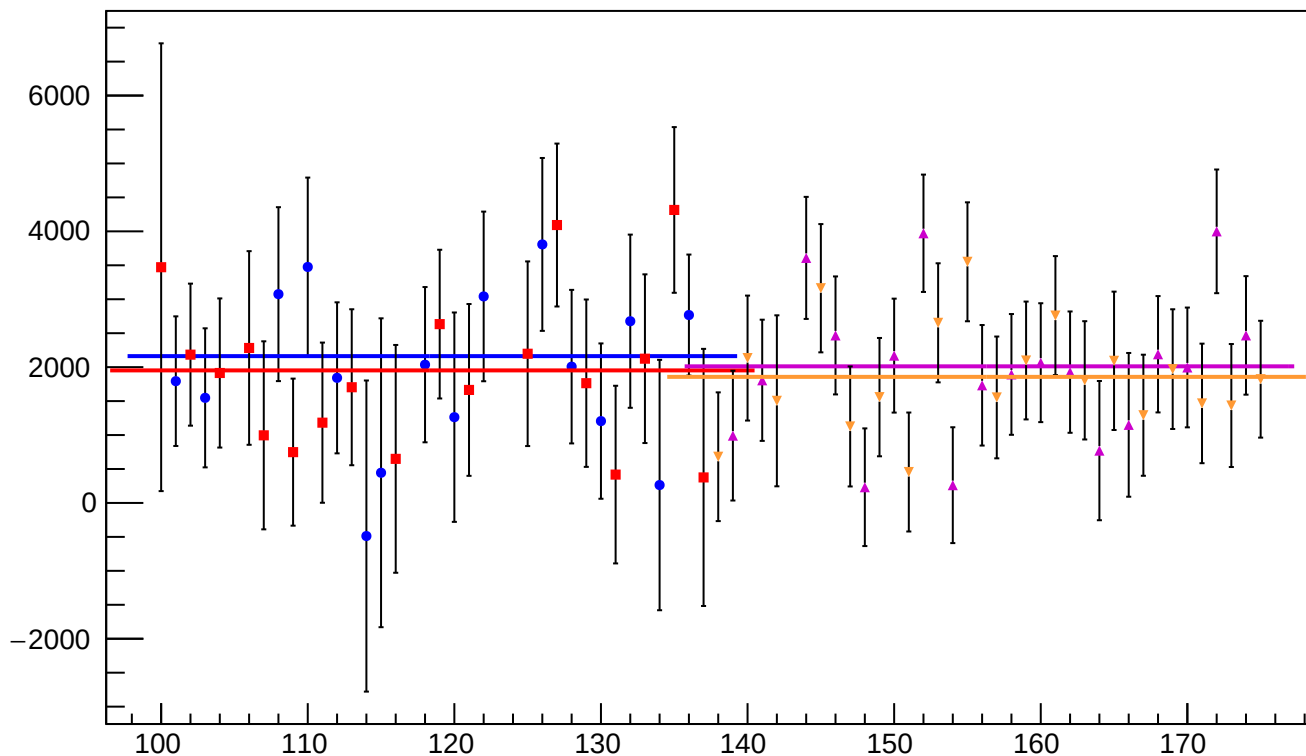


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1856.887+/-208.020

χ^2/NDF :13.7/18

Right Out: 1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: 2012.004+/-210.922

χ^2/NDF :25.6/17

Left: 1933.371+/-148.108

χ^2/NDF : 39.5/36

Right: 2054.903+/-214.883

χ^2/NDF : 21.8/33

In: 2060.136+/-173.902

χ^2/NDF :34.7/33

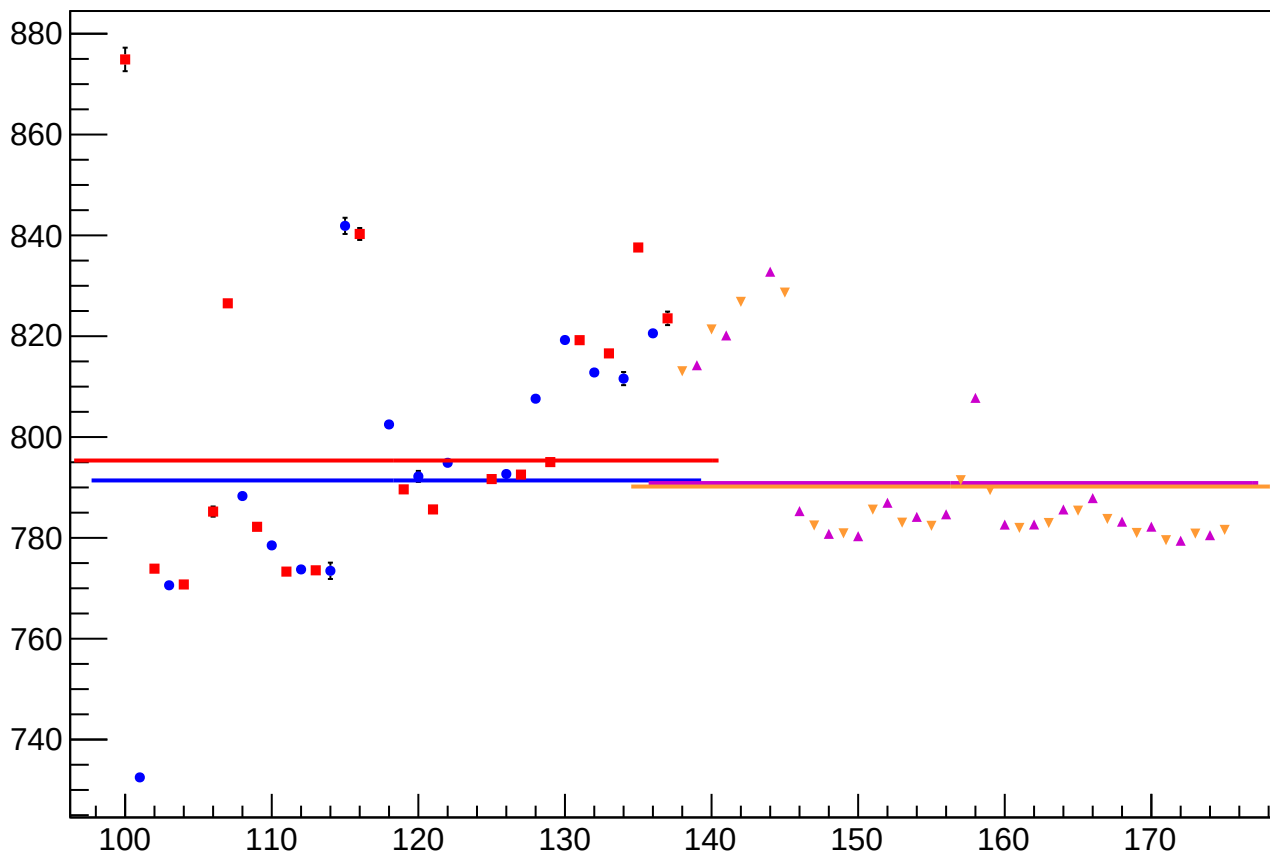
Out: 1887.737+/-171.052

χ^2/NDF :26.4/36

All: 1972.512+/-121.947

χ^2/NDF : 61.5/70

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 790.182 $\pm$ 0.147 χ^2 /NDF:10582.3/18

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

Left In: 790.874 $\pm$ 0.149 χ^2 /NDF:10713.9/17

Left: 790.523 $\pm$ 0.105 χ^2 /NDF: 21307.1/36

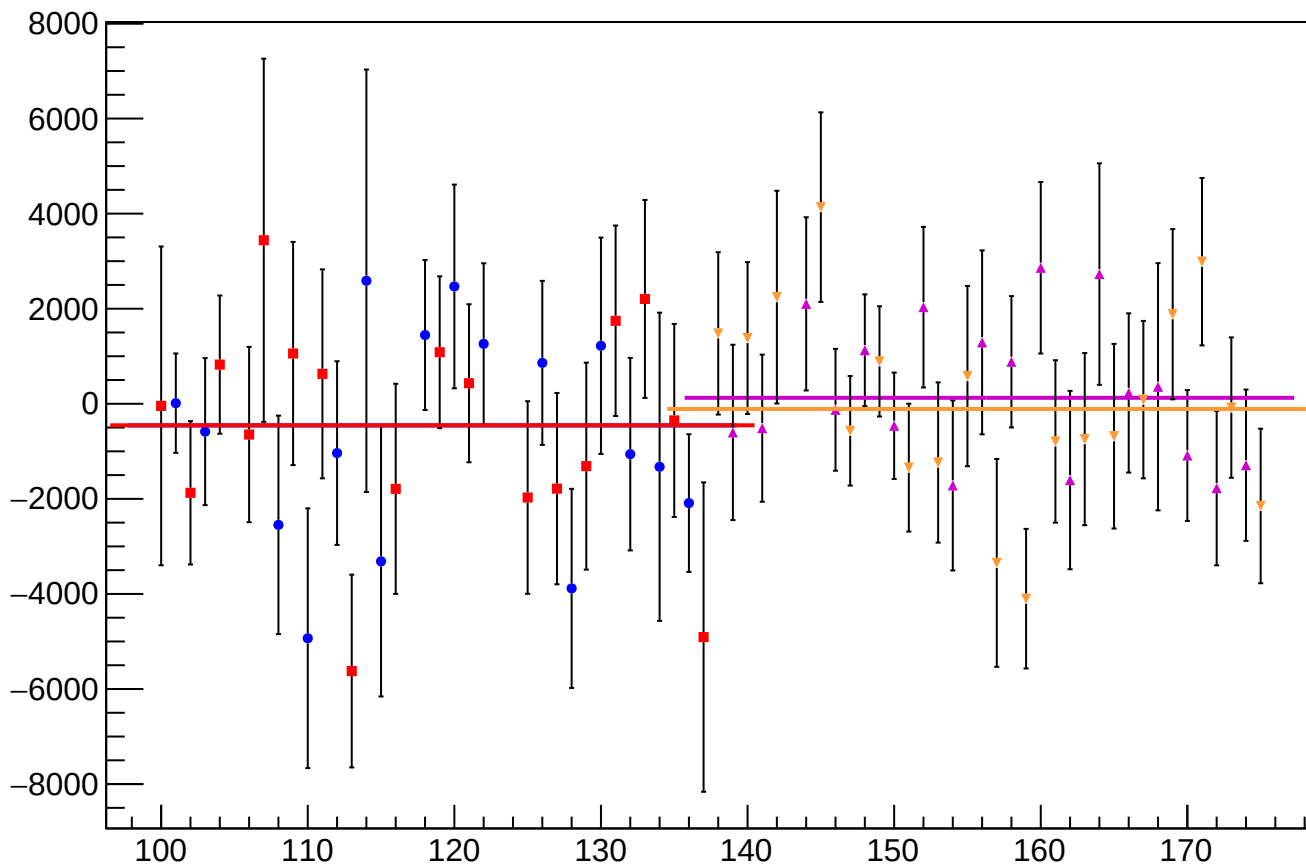
Right: 793.411 $\pm$ 0.152 χ^2 /NDF: 26737.3/33

In: 791.039 $\pm$ 0.123 χ^2 /NDF:25726.0/33

Out: 791.854 $\pm$ 0.121 χ^2 /NDF:22541.1/36

All: 791.453 $\pm$ 0.086 χ^2 /NDF: 48289.4/70

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -108.502+/-370.405 χ^2/NDF : 25.6/18

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

Left In: 125.404+/-373.158 χ^2/NDF : 12.9/17

Left: 7.585+/-262.884 χ^2/NDF : 38.7/36

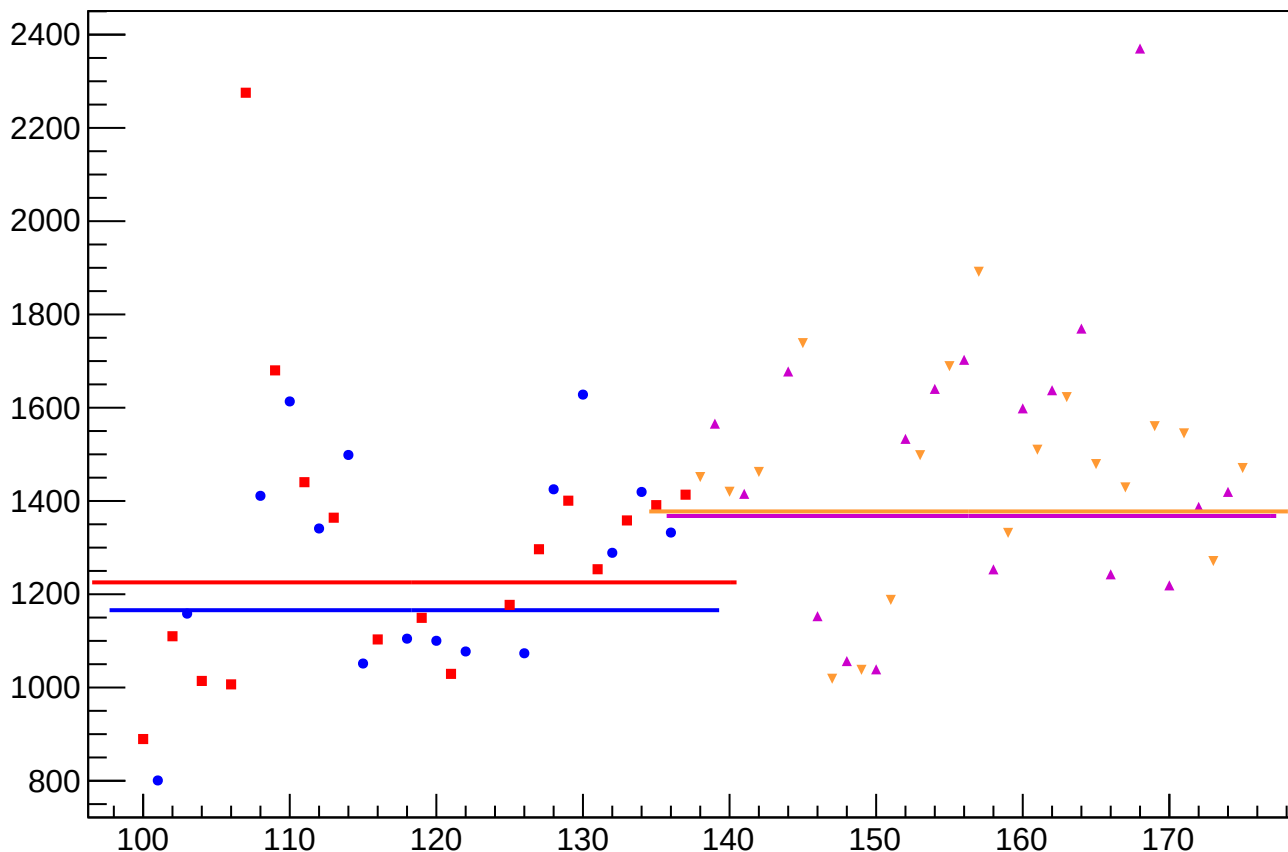
Right: -454.187+/-331.236 χ^2/NDF : 32.2/33

In: -102.676+/-290.845 χ^2/NDF : 28.7/33

Out: -239.403+/-291.570 χ^2/NDF : 43.2/36

All: -170.869+/-205.914 χ^2/NDF : 72.1/70

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1377.609 $\pm$ 0.262 χ^2 /NDF: 767516.7/18

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

Left In: 1367.808 $\pm$ 0.264 χ^2 /NDF: 1059115.1/17

Left: 1372.745 $\pm$ 0.186 χ^2 /NDF: 1827326.7/36

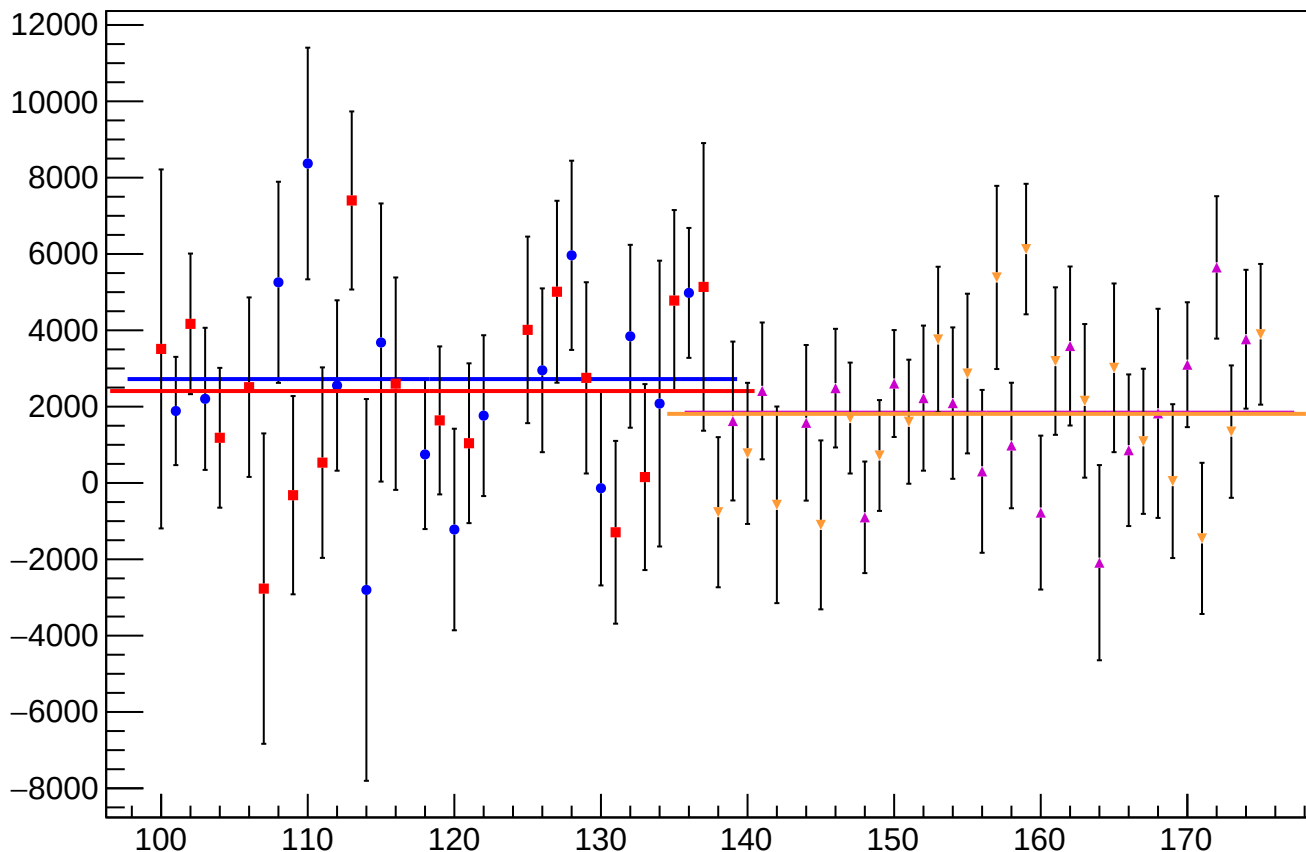
Right: 1195.087 $\pm$ 0.234 χ^2 /NDF: 983424.3/33

In: 1288.522 $\pm$ 0.206 χ^2 /NDF: 1815947.0/33

Out: 1319.732 $\pm$ 0.206 χ^2 /NDF: 1336313.8/36

All: 1304.088 $\pm$ 0.146 χ^2 /NDF: 3163746.8/70

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1811.304+/-431.300 χ^2/NDF : 20.9/18

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

Left In: 1841.838+/-435.445 χ^2/NDF : 15.8/17

Left: 1826.425+/-306.430 χ^2/NDF : 36.7/36

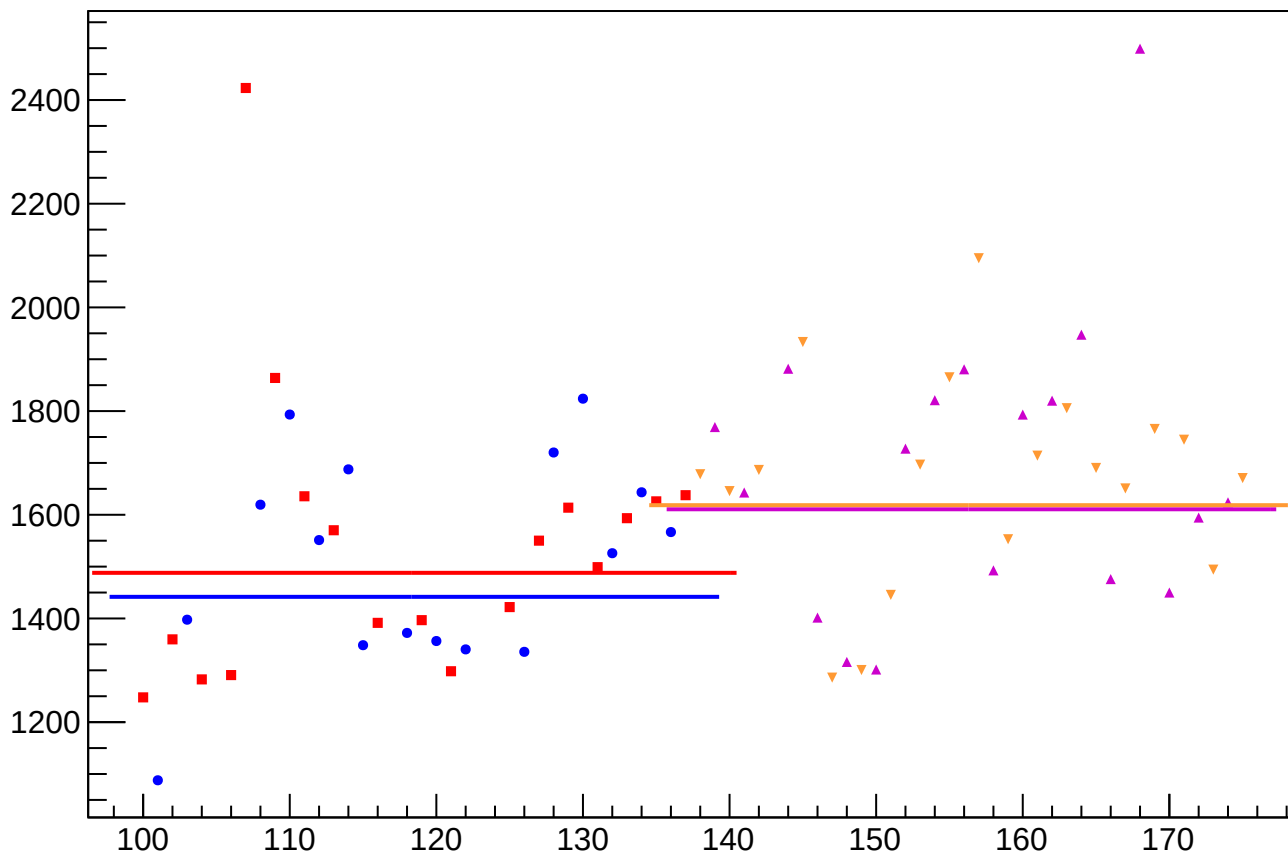
Right: 2565.881+/-401.681 χ^2/NDF : 31.0/33

In: 2168.370+/-345.387 χ^2/NDF : 31.9/33

Out: 2029.213+/-343.711 χ^2/NDF : 37.9/36

All: 2098.453+/-243.631 χ^2/NDF : 69.9/70

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1618.509 $\pm$ 0.305 χ^2/NDF : 435897.5/18

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

Left In: 1610.606 $\pm$ 0.308 χ^2/NDF : 645001.2/17

Left: 1614.595 $\pm$ 0.217 χ^2/NDF : 1081231.2/36

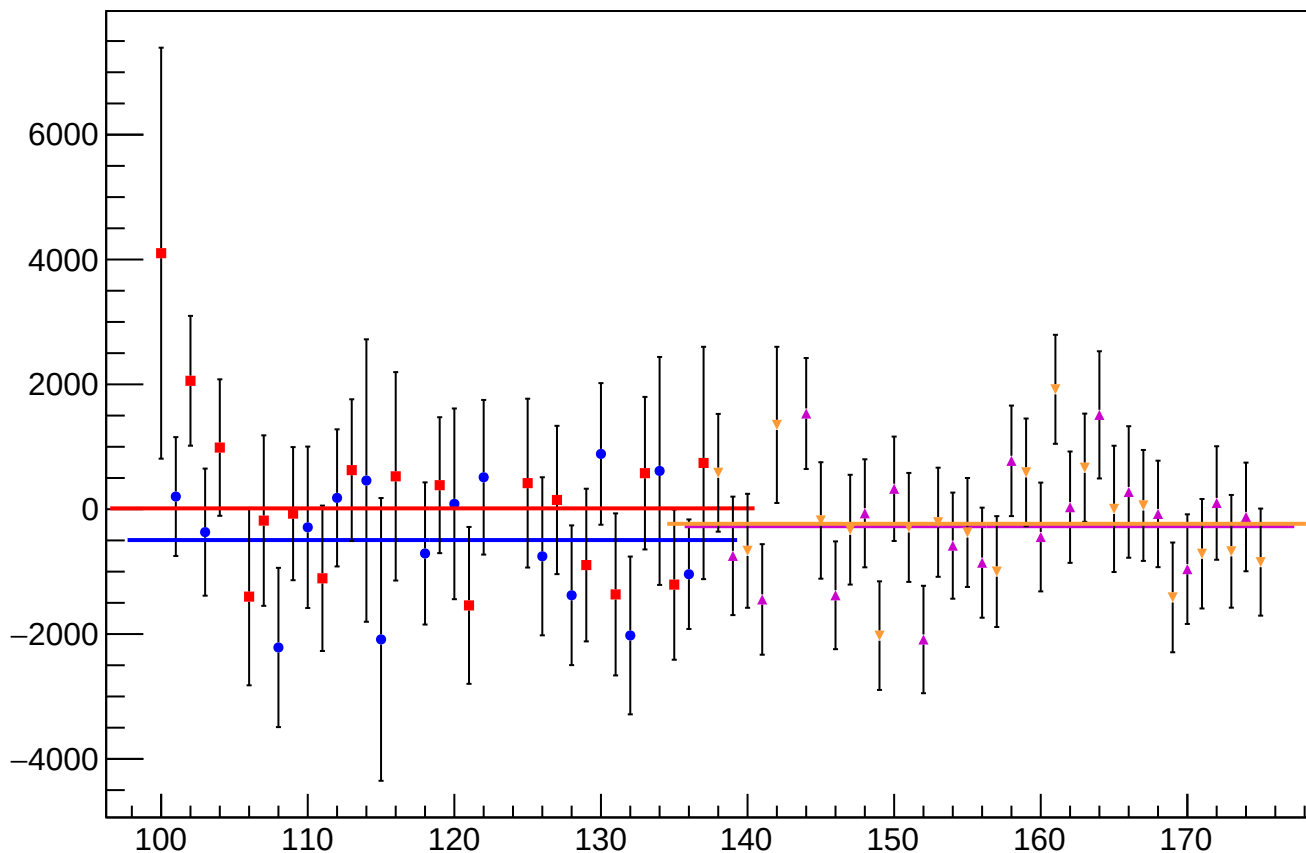
Right: 1464.799 $\pm$ 0.284 χ^2/NDF : 538687.7/33

In: 1547.973 $\pm$ 0.244 χ^2/NDF : 1032477.1/33

Out: 1570.893 $\pm$ 0.243 χ^2/NDF : 758838.4/36

All: 1559.489 $\pm$ 0.172 χ^2/NDF : 1795740.7/70

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -233.802 ± 206.999 χ^2/NDF : 18.7/18

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

Left In: -272.129 ± 209.905 χ^2/NDF : 19.1/17

Left: -252.698 ± 147.387 χ^2/NDF : 37.8/36

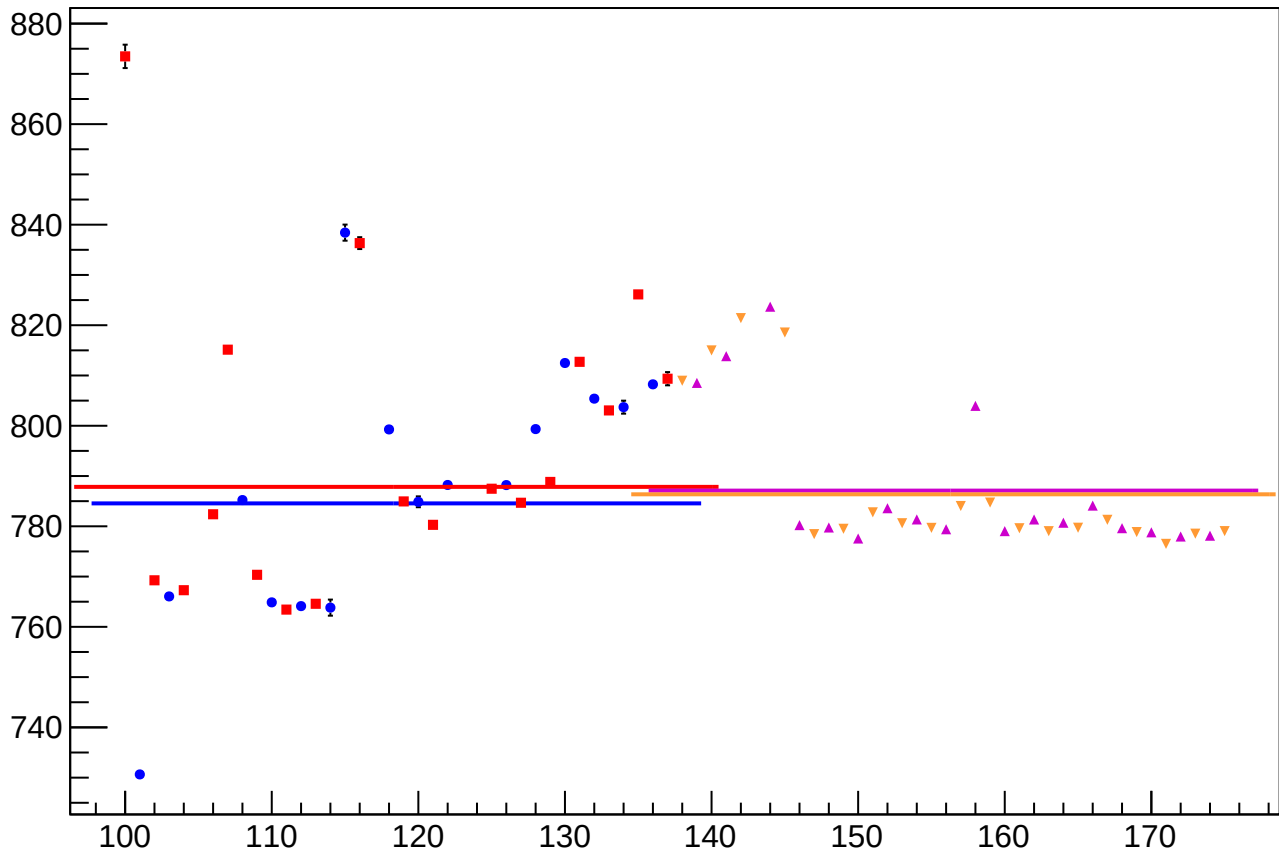
Right: -234.534 ± 212.932 χ^2/NDF : 23.4/33

In: -343.625 ± 172.848 χ^2/NDF : 28.1/33

Out: -153.213 ± 169.959 χ^2/NDF : 32.5/36

All: -246.815 ± 121.188 χ^2/NDF : 61.3/70

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 786.363 $\pm$ 0.146 χ^2 /NDF: 8717.5/18

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

Left In: 787.098 $\pm$ 0.148 χ^2 /NDF: 8857.7/17

Left: 786.725 $\pm$ 0.104 χ^2 /NDF: 17587.6/36

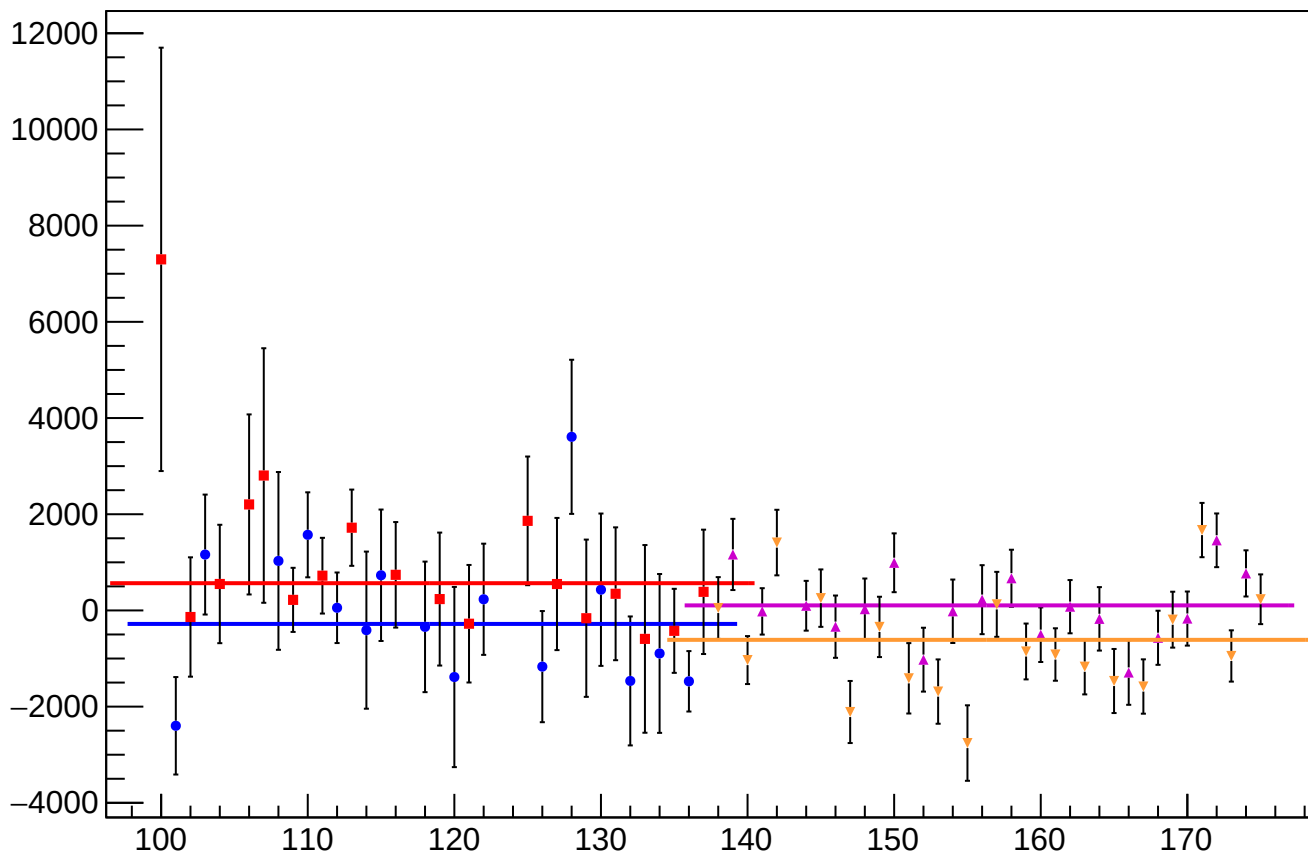
Right: 786.239 $\pm$ 0.151 χ^2 /NDF: 24705.7/33

In: 786.280 $\pm$ 0.122 χ^2 /NDF: 22629.6/33

Out: 786.846 $\pm$ 0.120 χ^2 /NDF: 19659.8/36

All: 786.568 $\pm$ 0.086 χ^2 /NDF: 42300.4/70

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -611.551 $\pm$ 138.194 χ^2/NDF :56.7/18

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

Left In: 104.717 $\pm$ 139.355 χ^2/NDF :23.7/17

Left: -256.415 $\pm$ 98.126 χ^2/NDF : 93.7/36

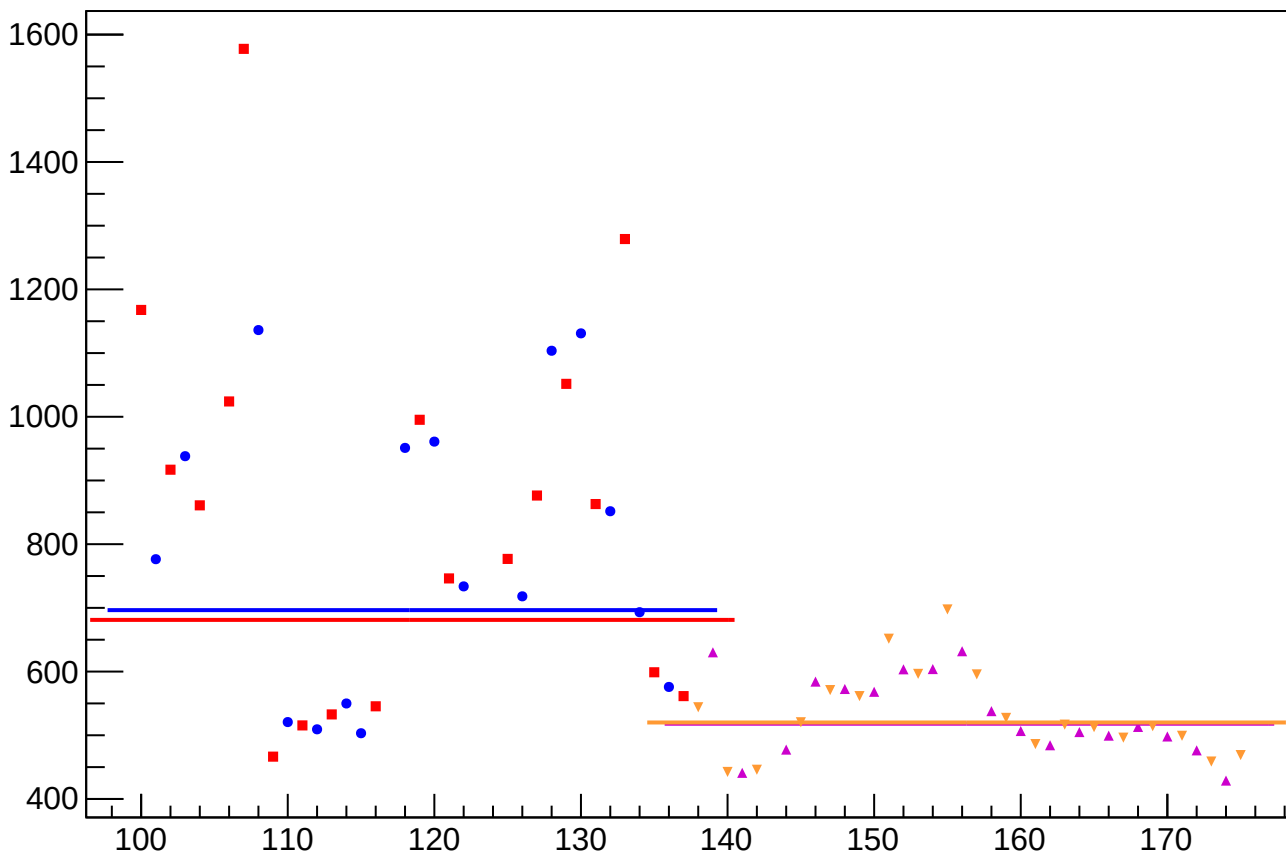
Right: 157.456 $\pm$ 196.270 χ^2/NDF : 37.7/33

In: 29.299 $\pm$ 124.977 χ^2/NDF :48.3/33

Out: -371.150 $\pm$ 123.286 χ^2/NDF :81.5/36

All: -173.652 $\pm$ 87.768 χ^2/NDF : 135.0/70

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 520.075 $\pm$ 0.098 χ^2 /NDF: 374949.9/18

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

Left In: 518.099 $\pm$ 0.099 χ^2 /NDF: 371484.3/17

Left: 519.095 $\pm$ 0.069 χ^2 /NDF: 746637.1/36

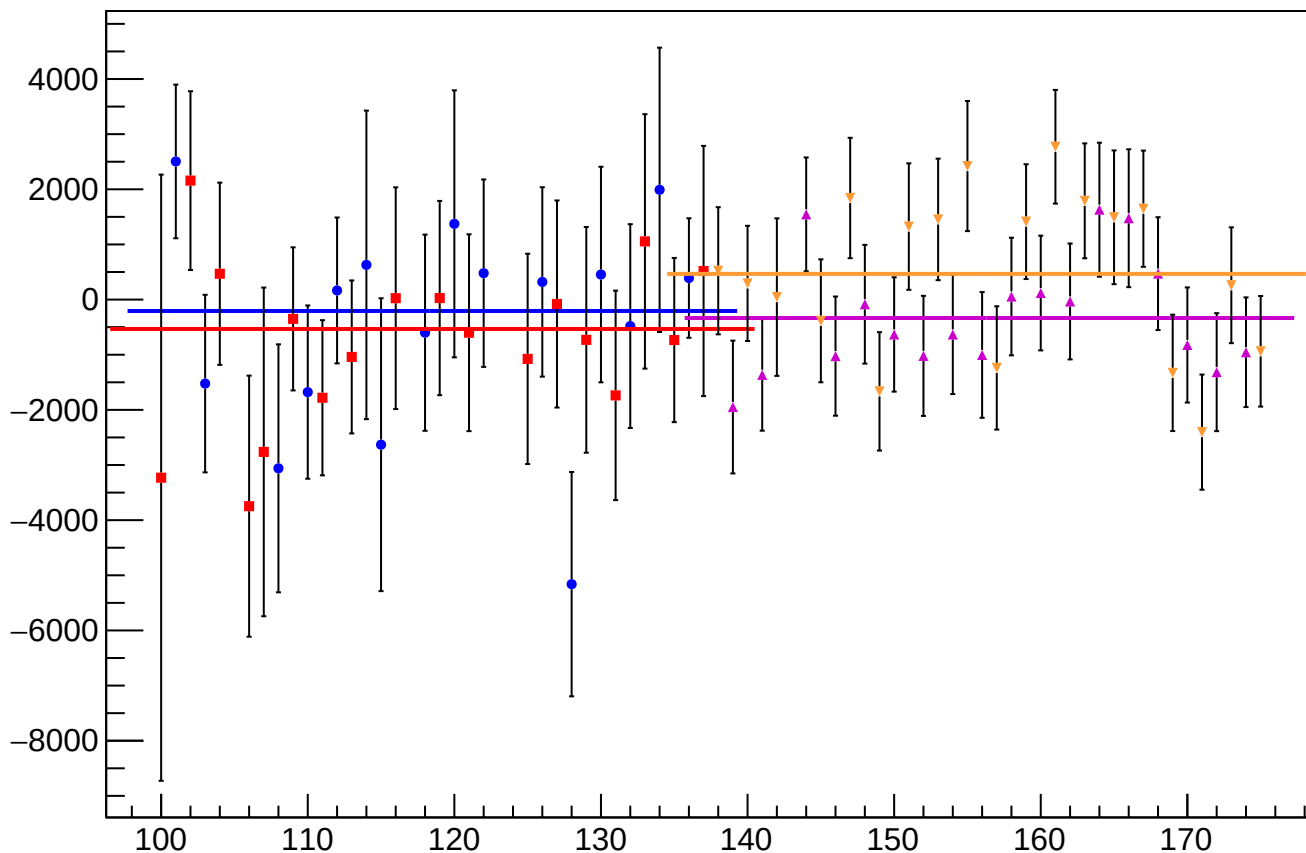
Right: 688.529 $\pm$ 0.139 χ^2 /NDF: 2315094.2/33

In: 553.007 $\pm$ 0.088 χ^2 /NDF: 1972201.7/33

Out: 552.948 $\pm$ 0.087 χ^2 /NDF: 2281947.7/36

All: 552.977 $\pm$ 0.062 χ^2 /NDF: 4254149.6/70

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 466.318 ± 251.135 χ^2/NDF : 34.5/18

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

Left In: -334.387 ± 253.944 χ^2/NDF : 14.7/17

Left: 70.418 ± 178.564 χ^2/NDF : 54.3/36

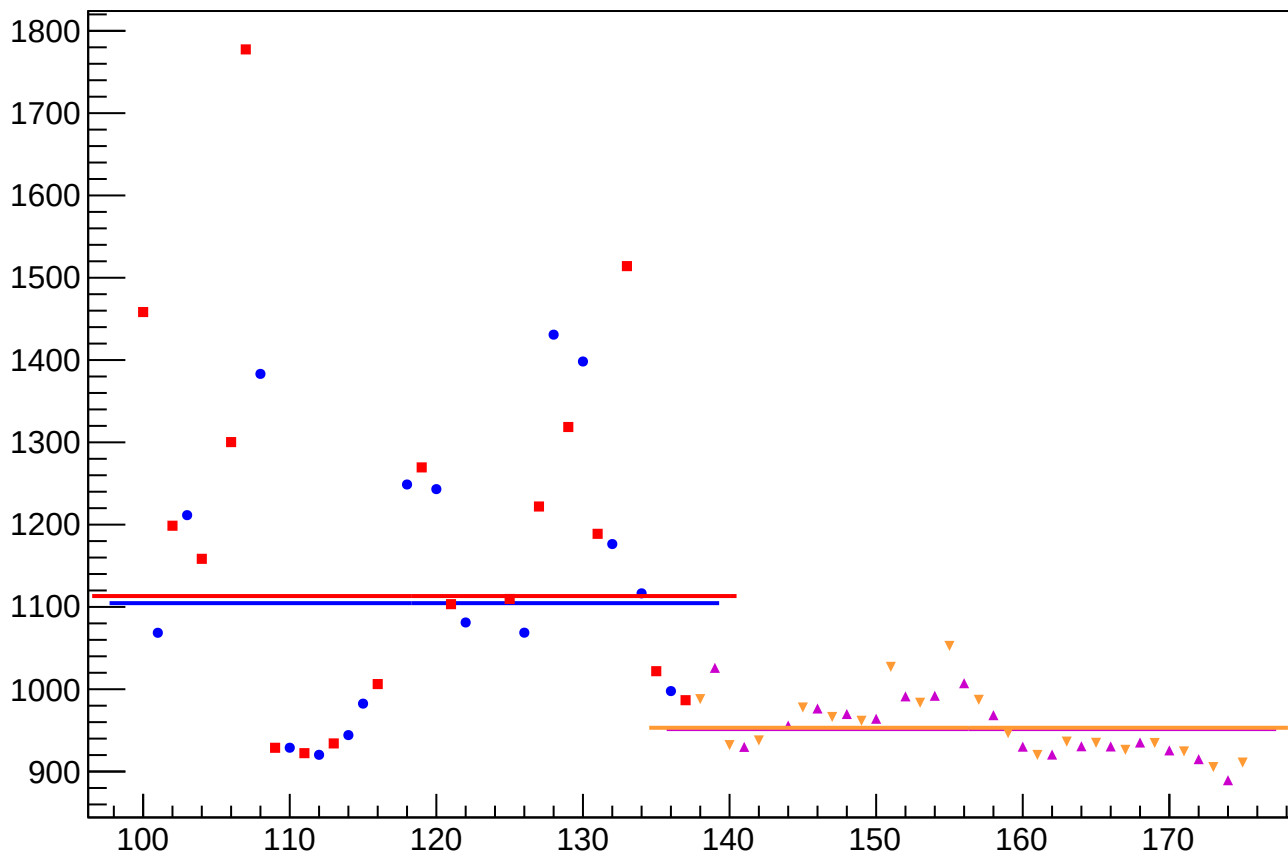
Right: -372.131 ± 304.348 χ^2/NDF : 24.2/33

In: -301.715 ± 219.151 χ^2/NDF : 30.5/33

Out: 209.643 ± 216.488 χ^2/NDF : 46.7/36

All: -42.909 ± 154.013 χ^2/NDF : 80.1/70

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 953.154 $\pm$ 0.178 χ^2 /NDF: 44404.6/18

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

Left In: 951.559 $\pm$ 0.180 χ^2 /NDF: 36910.7/17

Left: 952.366 $\pm$ 0.126 χ^2 /NDF: 81355.2/36

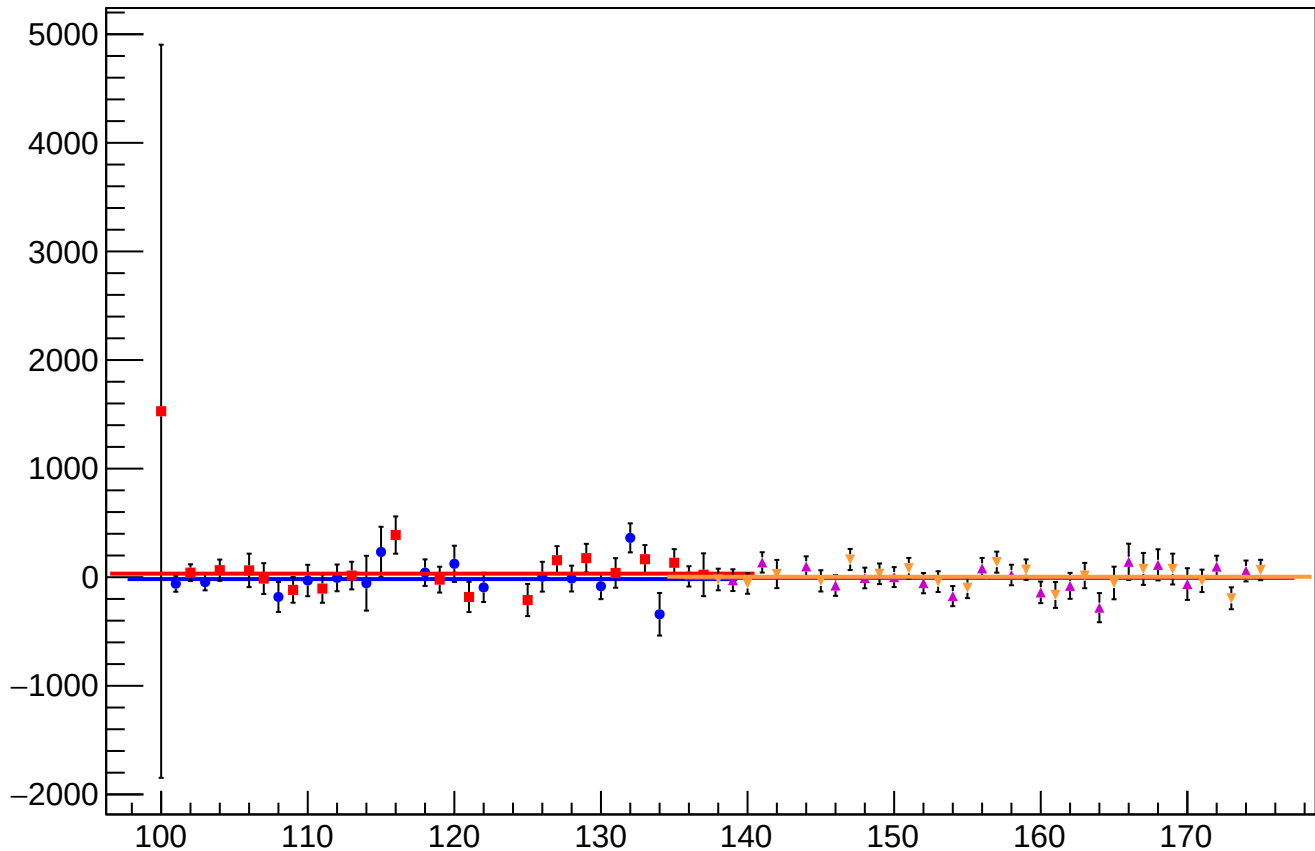
Right: 1108.972 $\pm$ 0.215 χ^2 /NDF: 618871.4/33

In: 990.622 $\pm$ 0.155 χ^2 /NDF: 477798.4/33

Out: 994.272 $\pm$ 0.153 χ^2 /NDF: 616094.5/36

All: 992.469 $\pm$ 0.109 χ^2 /NDF: 1094173.8/70

reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -17.236 ± 29.988 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 4.169 ± 24.046 $\chi^2/\text{NDF}: 14.9/18$

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

Left In: -6.830 ± 24.345 $\chi^2/\text{NDF}: 18.2/17$

Left: -1.263 ± 17.108 $\chi^2/\text{NDF}: 33.2/36$

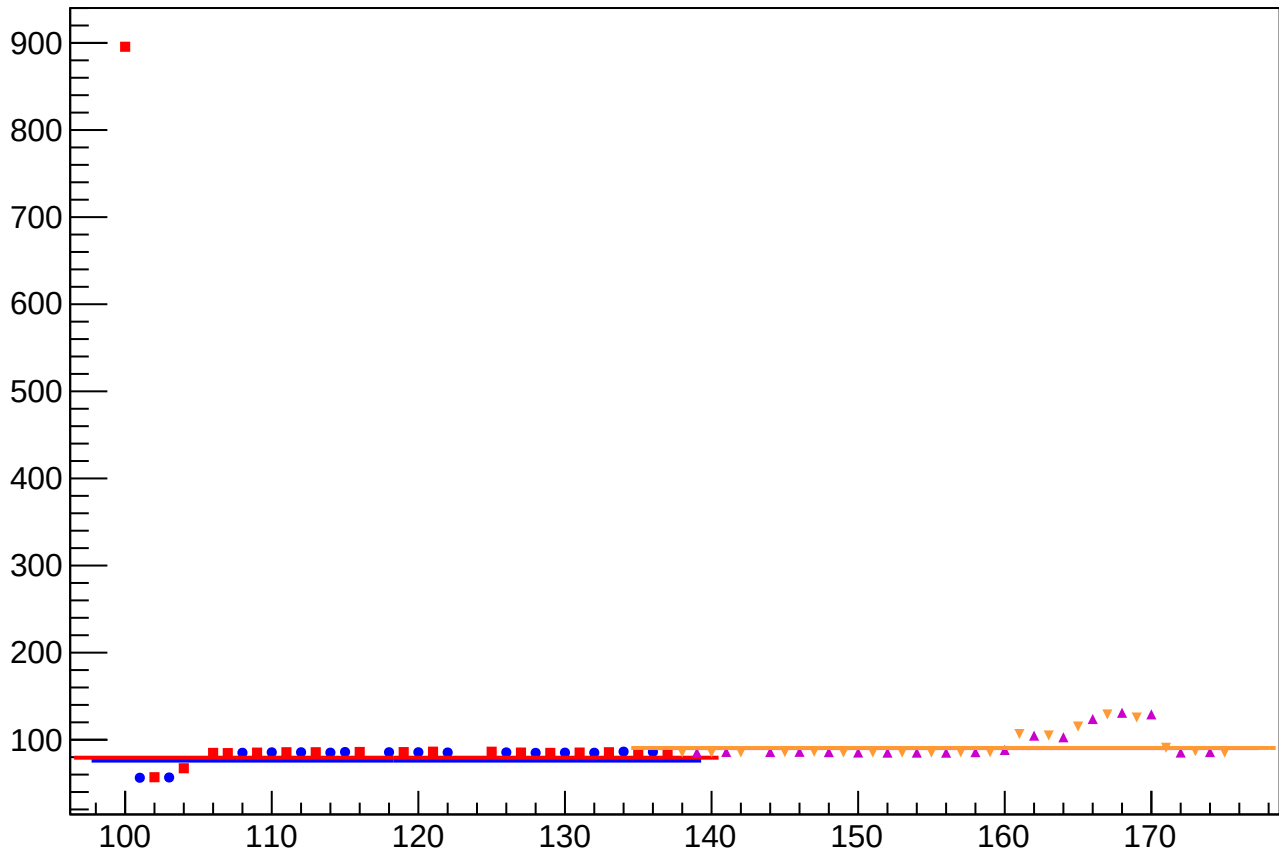
Right: 7.447 ± 21.365 $\chi^2/\text{NDF}: 33.5/33$

In: -10.964 ± 18.901 $\chi^2/\text{NDF}: 33.8/33$

Out: 15.203 ± 18.871 $\chi^2/\text{NDF}: 32.0/36$

All: 2.140 ± 13.354 $\chi^2/\text{NDF}: 66.8/70$

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 90.574 $\pm$ 0.017 χ^2 /NDF: 446132.0/18

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

Left In: 90.458 $\pm$ 0.017 χ^2 /NDF: 490043.2/17

Left: 90.517 $\pm$ 0.012 χ^2 /NDF: 936198.1/36

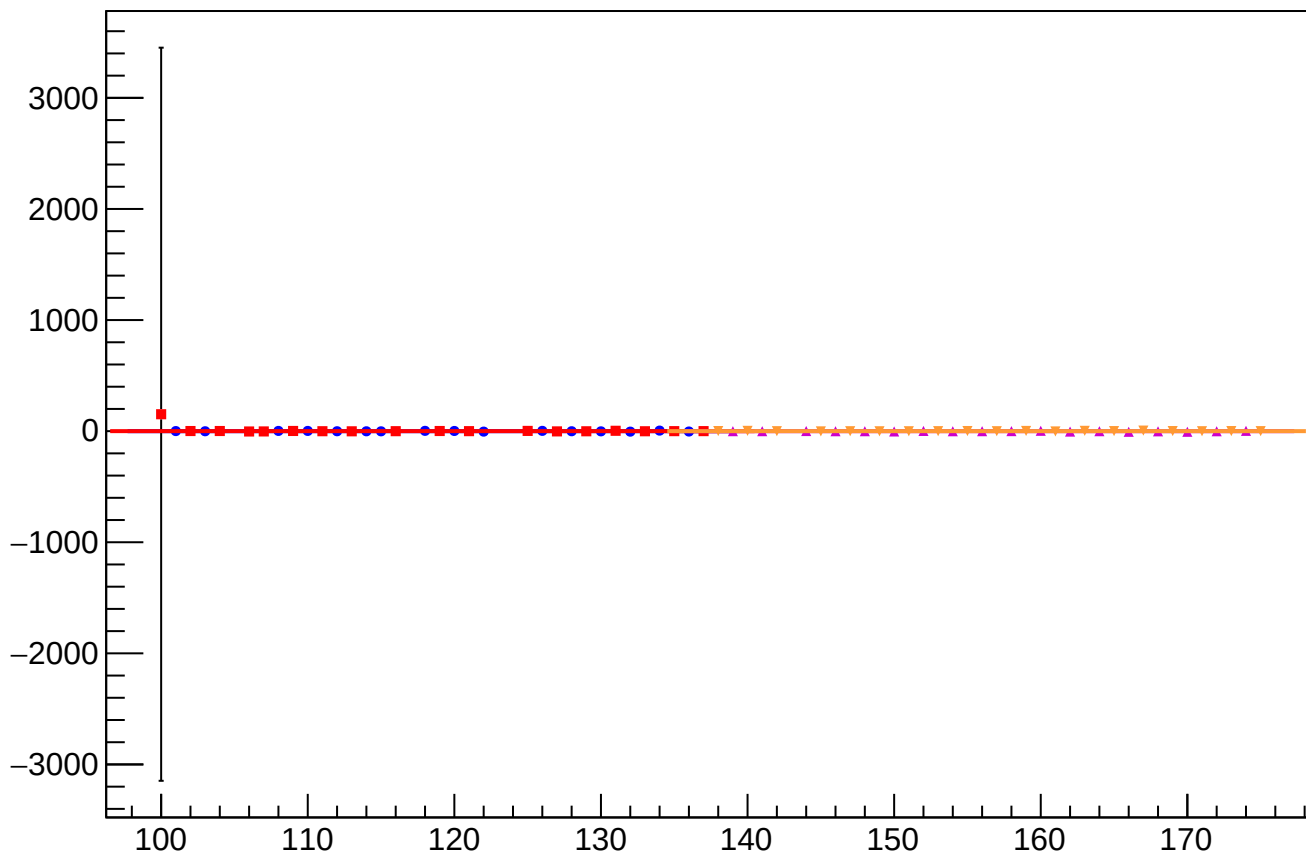
Right: 77.709 $\pm$ 0.015 χ^2 /NDF: 799700.2/33

In: 84.746 $\pm$ 0.013 χ^2 /NDF: 1176370.7/33

Out: 86.278 $\pm$ 0.013 χ^2 /NDF: 990858.7/36

All: 85.513 $\pm$ 0.009 χ^2 /NDF: 2173805.6/70

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.000 ± 0.415 χ^2/NDF : 13.0/18

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

Left In: -0.228 ± 0.435 χ^2/NDF : 23.0/17

Left: -0.108 ± 0.300 χ^2/NDF : 36.1/36

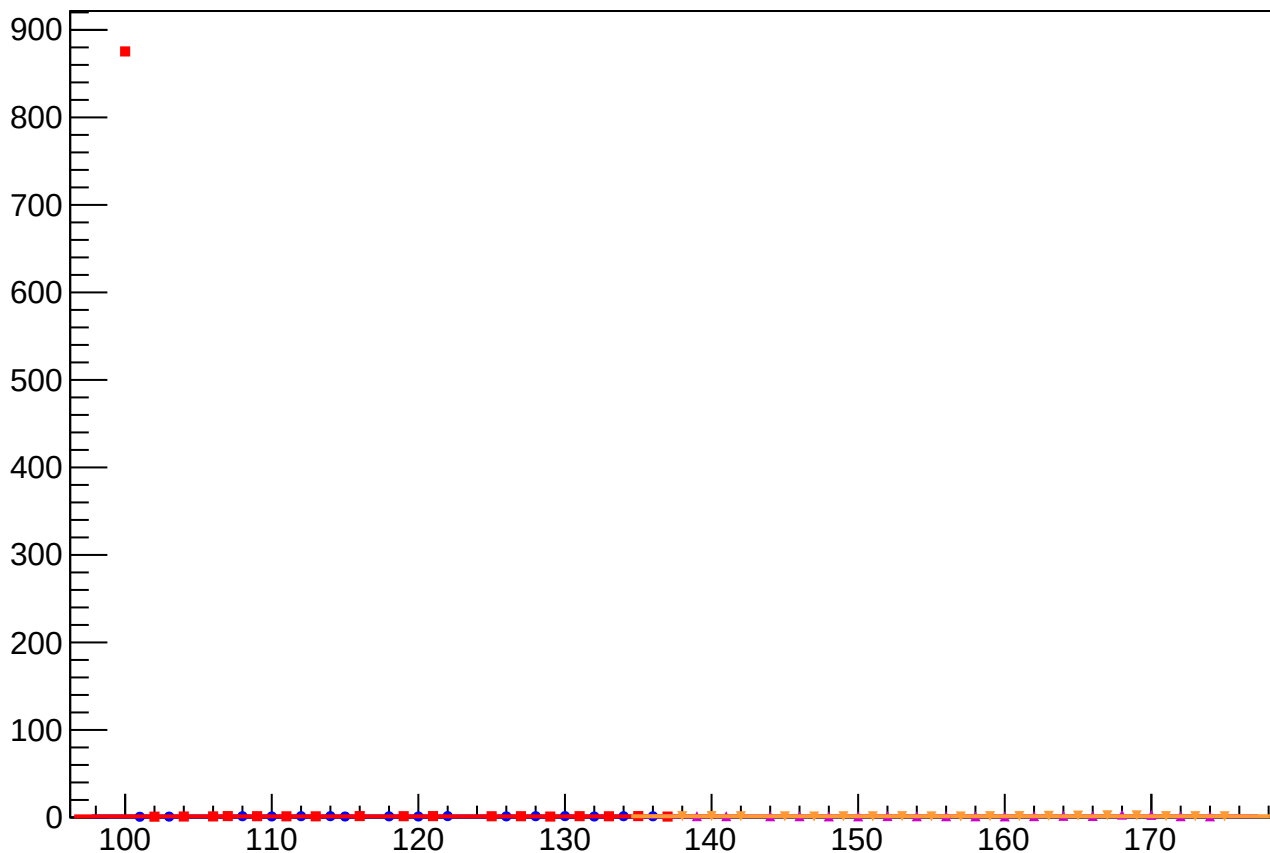
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.251 ± 0.329 χ^2/NDF : 44.1/33

Out: 0.030 ± 0.324 χ^2/NDF : 22.0/36

All: -0.108 ± 0.231 χ^2/NDF : 66.5/70

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.386+/-0.000 χ^2/NDF : 903735.7/18

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

Left In: 1.463+/-0.000 χ^2/NDF : 984096.1/17

Left: 1.423+/-0.000 χ^2/NDF : 1920684.5/36

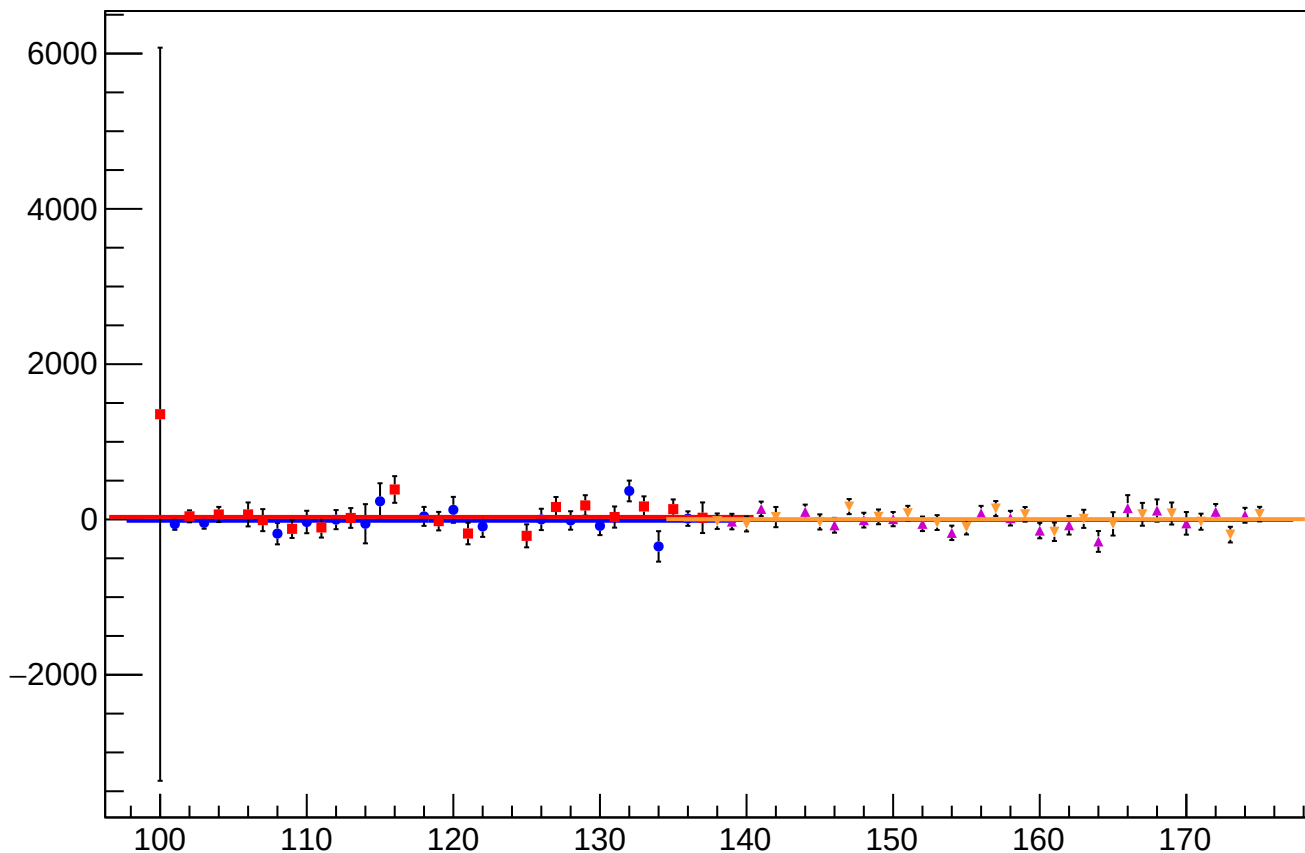
Right: 1.198+/-0.000 χ^2/NDF : 1065824.7/33

In: 1.330+/-0.000 χ^2/NDF : 1936841.7/33

Out: 1.332+/-0.000 χ^2/NDF : 1508118.8/36

All: 1.331+/-0.000 χ^2/NDF : 3445023.2/70

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 4.099 ± 24.054 χ^2/NDF : 14.9/18

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

Left In: -6.781 ± 24.353 χ^2/NDF : 18.1/17

Left: -1.274 ± 17.113 χ^2/NDF : 33.1/36

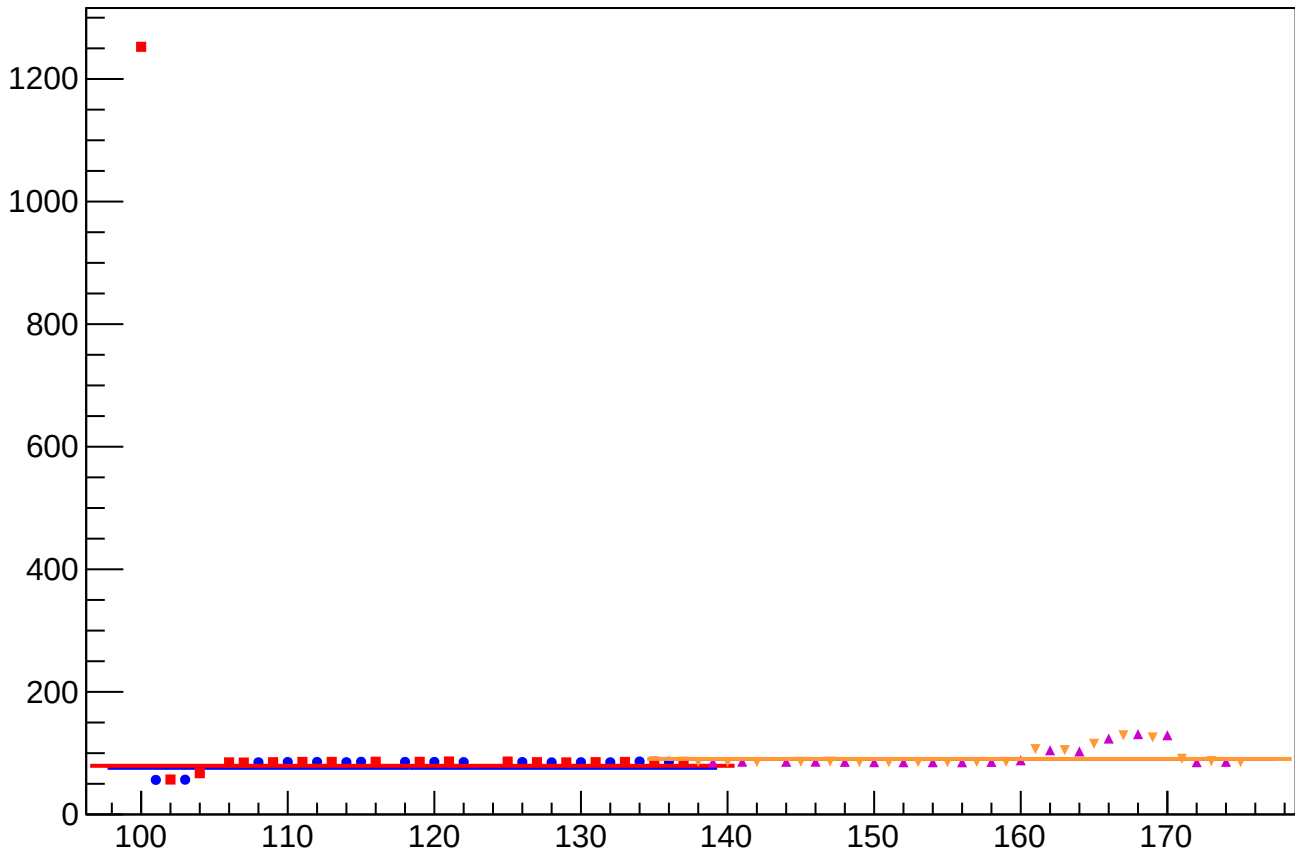
Right: 8.026 ± 21.371 χ^2/NDF : 33.7/33

In: -10.567 ± 18.906 χ^2/NDF : 34.0/33

Out: 15.246 ± 18.876 χ^2/NDF : 32.0/36

All: 2.360 ± 13.358 χ^2/NDF : 67.0/70

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 90.601 $\pm$ 0.017 χ^2 /NDF: 446867.9/18

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

Left In: 90.485 $\pm$ 0.017 χ^2 /NDF: 490915.2/17

Left: 90.543 $\pm$ 0.012 χ^2 /NDF: 937806.0/36

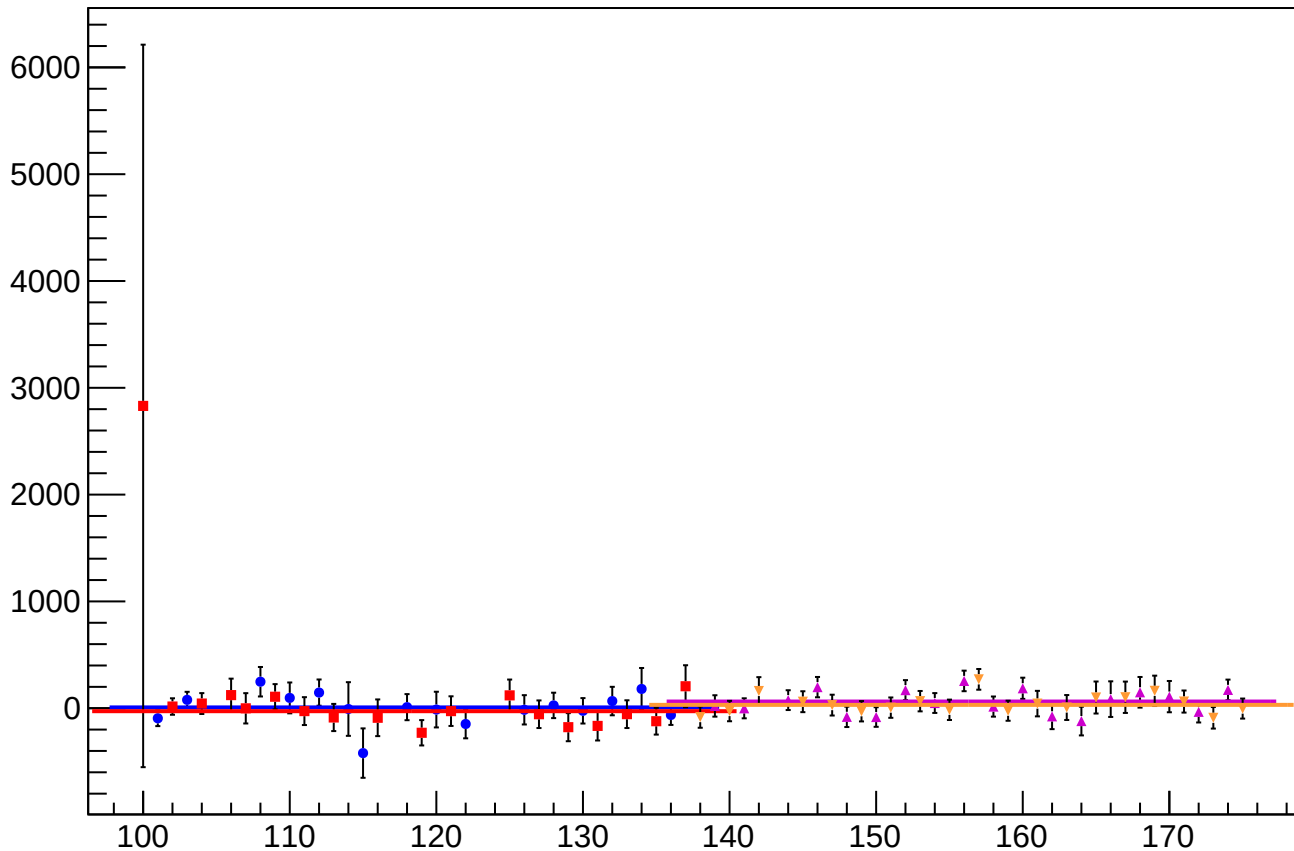
Right: 77.721 $\pm$ 0.015 χ^2 /NDF: 806127.4/33

In: 84.770 $\pm$ 0.013 χ^2 /NDF: 1177378.1/33

Out: 86.295 $\pm$ 0.013 χ^2 /NDF: 998714.7/36

All: 85.534 $\pm$ 0.009 χ^2 /NDF: 2182614.0/70

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 31.377 ± 24.048 χ^2/NDF : 13.1/18

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

Left In: 62.629 ± 24.353 χ^2/NDF : 20.5/17

Left: 46.806 ± 17.111 χ^2/NDF : 34.4/36

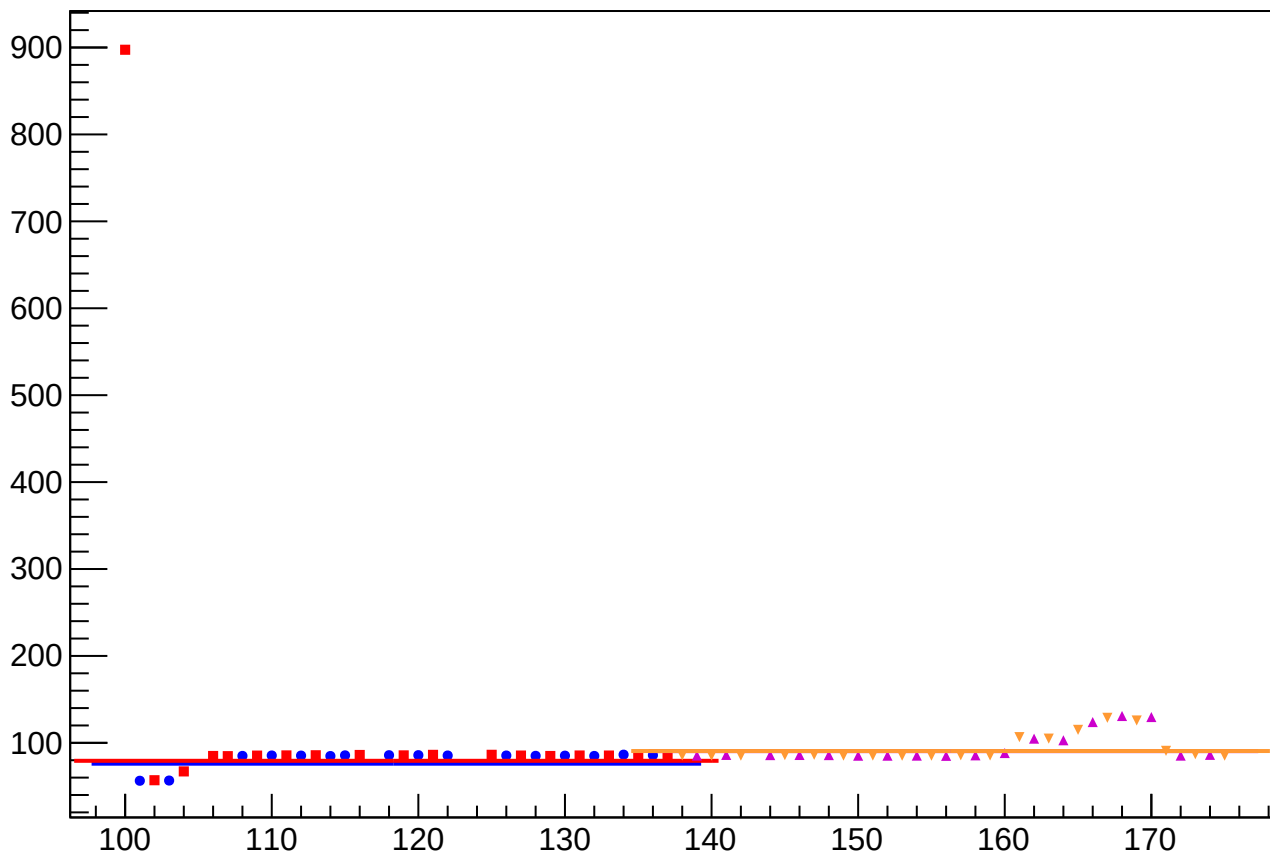
Right: -9.961 ± 21.352 χ^2/NDF : 27.1/33

In: 40.688 ± 18.900 χ^2/NDF : 36.4/33

Out: 8.580 ± 18.867 χ^2/NDF : 27.9/36

All: 24.605 ± 13.353 χ^2/NDF : 65.8/70

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 90.579 $\pm$ 0.017 χ^2 /NDF: 445370.7/18

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

Left In: 90.482 $\pm$ 0.017 χ^2 /NDF: 493057.8/17

Left: 90.531 $\pm$ 0.012 χ^2 /NDF: 938444.6/36

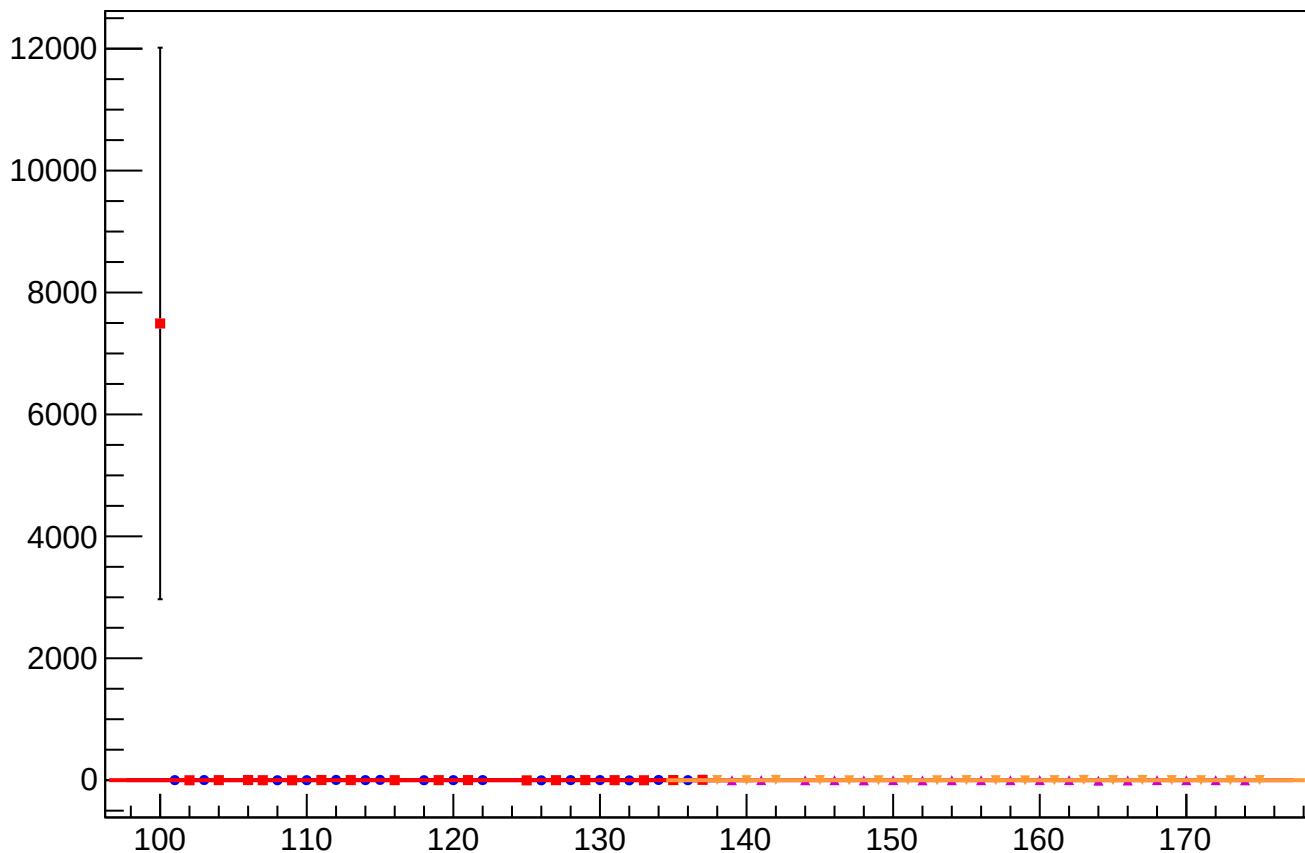
Right: 77.662 $\pm$ 0.015 χ^2 /NDF: 799302.8/33

In: 84.735 $\pm$ 0.013 χ^2 /NDF: 1182015.4/33

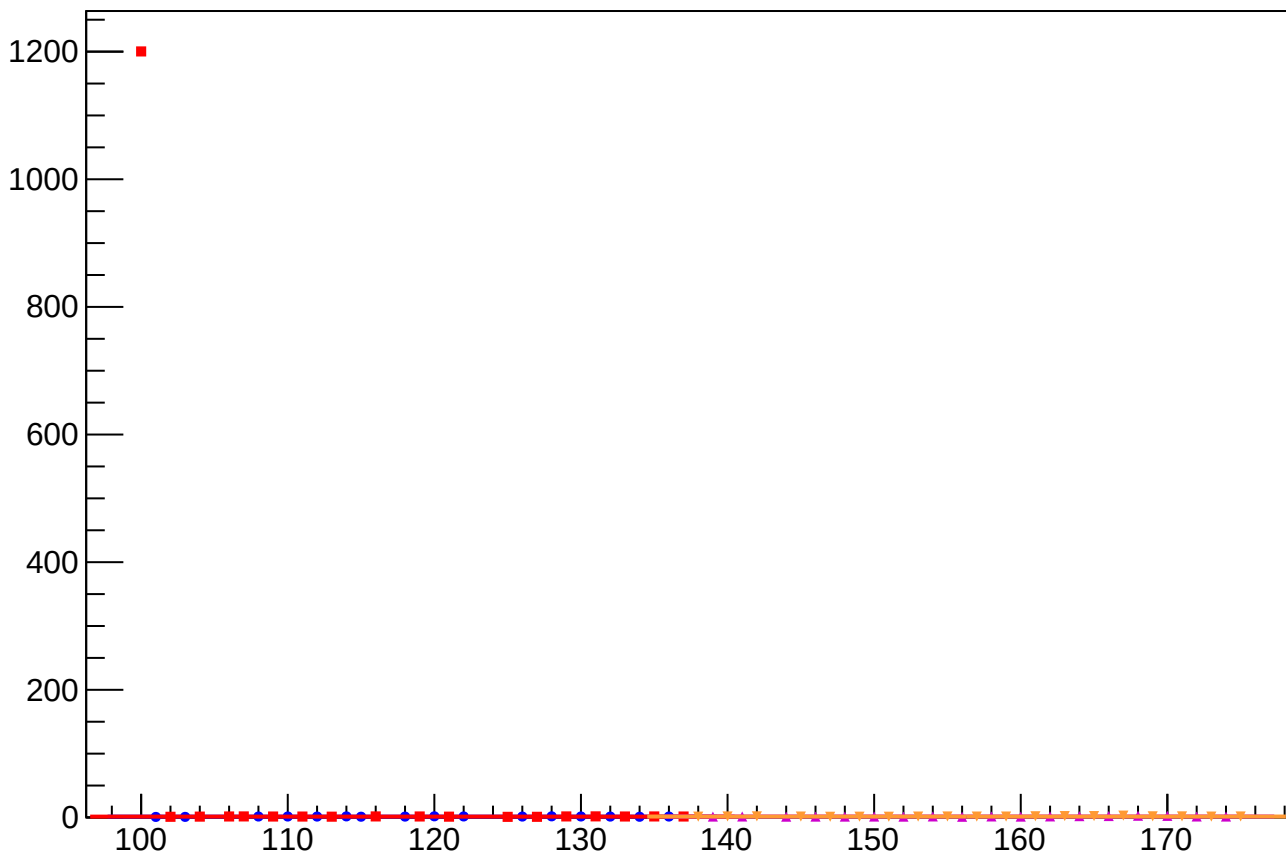
Out: 86.258 $\pm$ 0.013 χ^2 /NDF: 991637.8/36

All: 85.498 $\pm$ 0.009 χ^2 /NDF: 2180164.5/70

asym_ds_dd_correction_mean vs Slug, Sign Corrected



asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.446+/-0.000 χ^2/NDF :1045948.9/18

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

Left In: 1.462+/-0.000 χ^2/NDF :929640.1/17

Left: 1.454+/-0.000 χ^2/NDF : 1976896.0/36

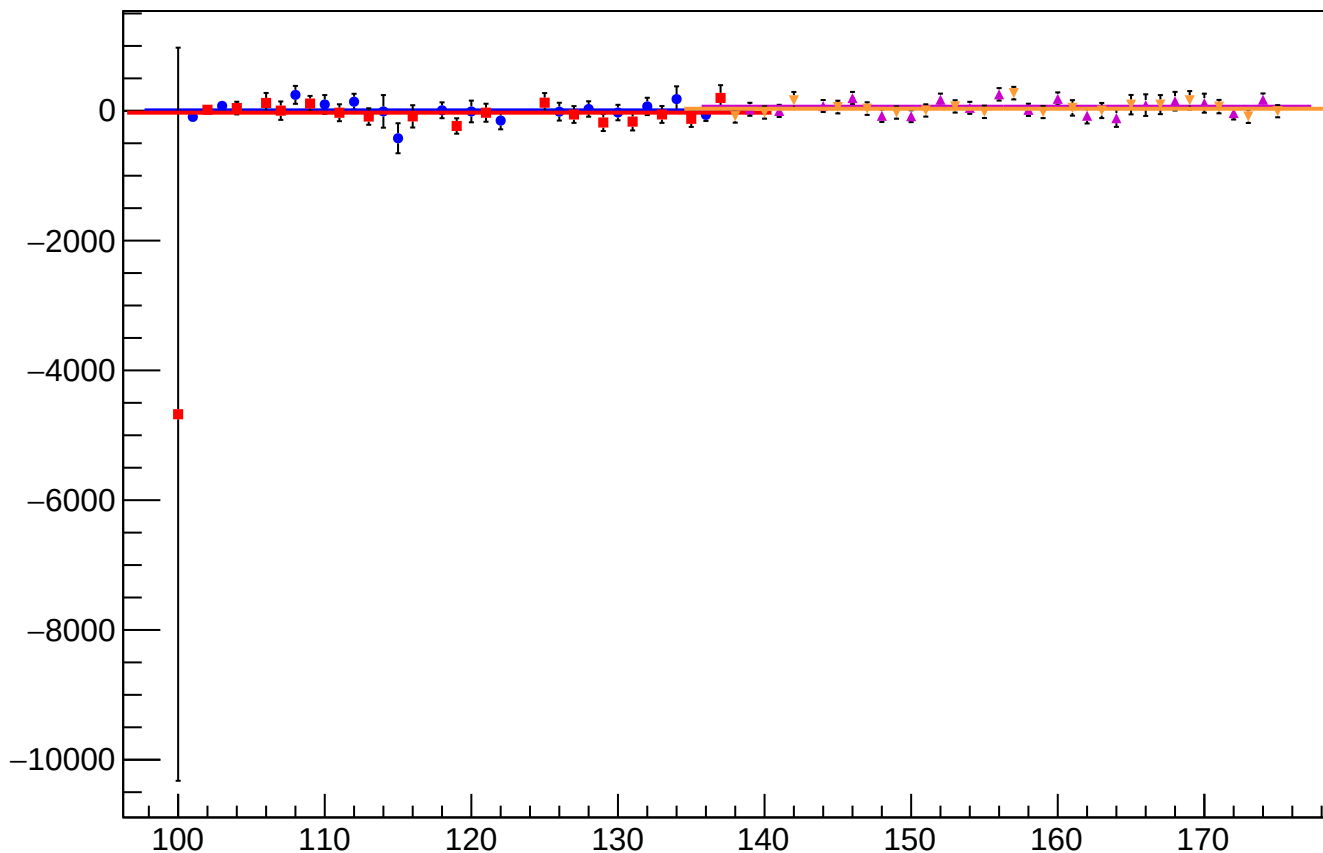
Right: 1.276+/-0.000 χ^2/NDF : 1201203.5/33

In: 1.372+/-0.000 χ^2/NDF :1798977.9/33

Out: 1.397+/-0.000 χ^2/NDF :1635658.6/36

All: 1.384+/-0.000 χ^2/NDF : 3440411.9/70

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 31.949 ± 24.055 χ^2/NDF : 13.0/18

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

Left In: 63.170 ± 24.361 χ^2/NDF : 20.1/17

Left: 47.362 ± 17.117 χ^2/NDF : 33.9/36

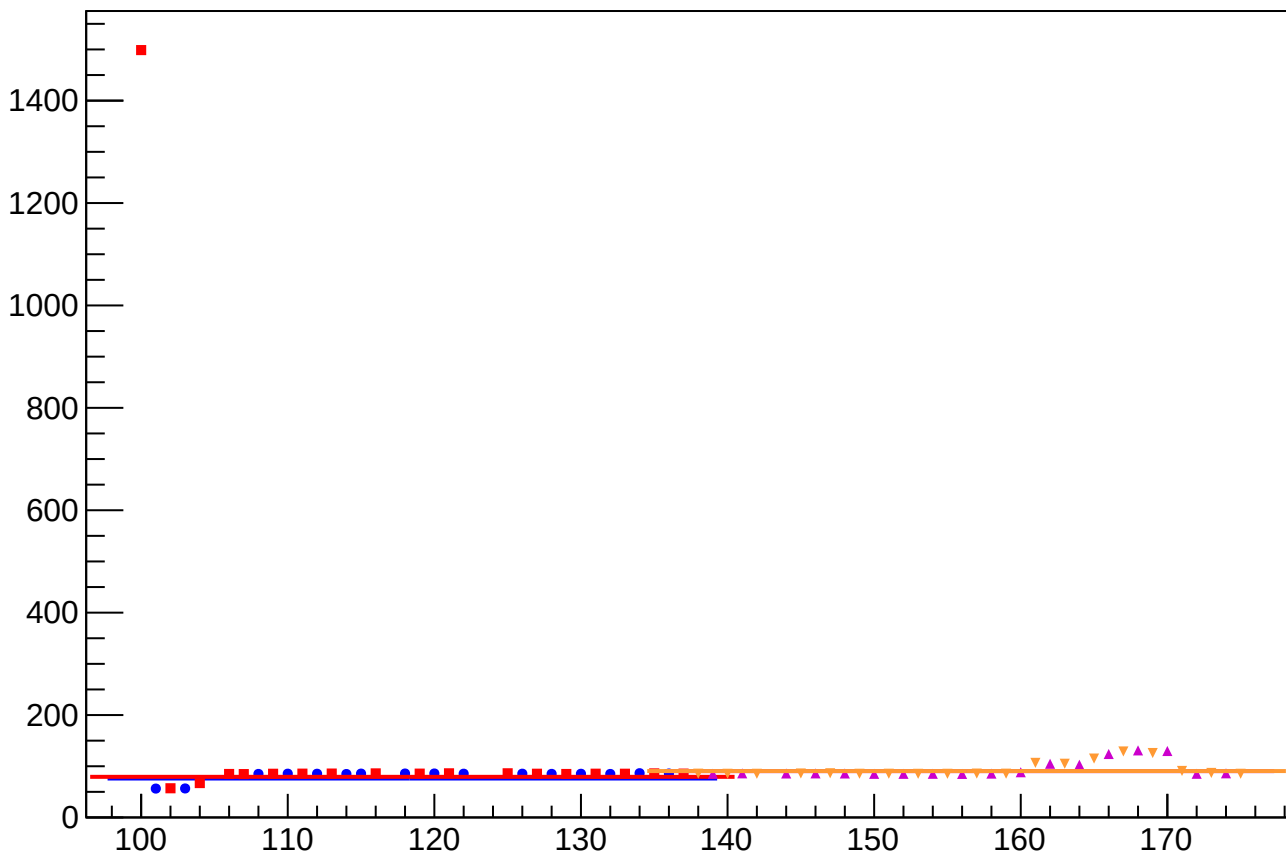
Right: -10.616 ± 21.358 χ^2/NDF : 27.2/33

In: 40.742 ± 18.906 χ^2/NDF : 36.1/33

Out: 8.688 ± 18.873 χ^2/NDF : 28.1/36

All: 24.687 ± 13.357 χ^2/NDF : 65.6/70

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 90.606 $\pm$ 0.017 χ^2 /NDF: 446110.5/18

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

Left In: 90.509 $\pm$ 0.017 χ^2 /NDF: 493862.8/17

Left: 90.558 $\pm$ 0.012 χ^2 /NDF: 939989.4/36

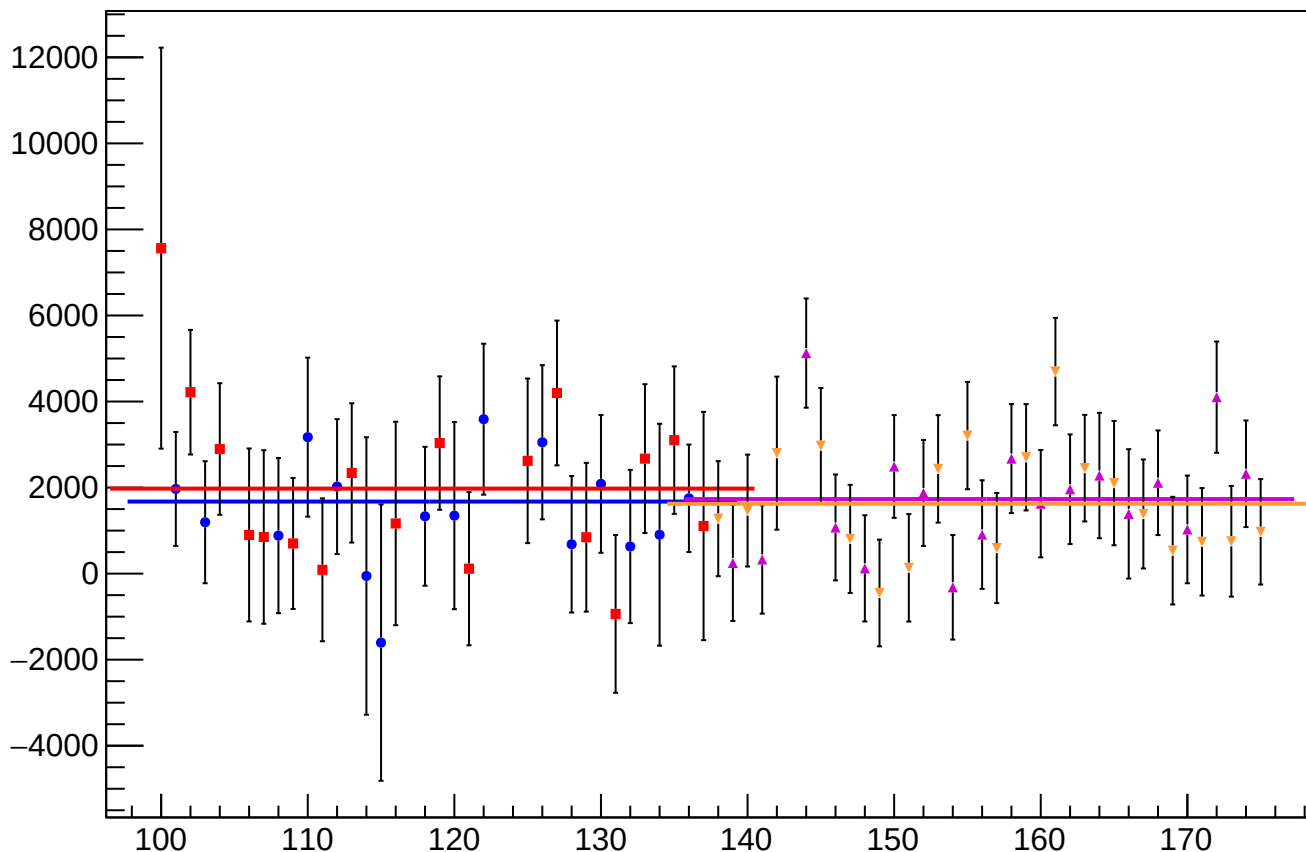
Right: 77.670 $\pm$ 0.015 χ^2 /NDF: 808427.1/33

In: 84.759 $\pm$ 0.013 χ^2 /NDF: 1182949.2/33

Out: 86.274 $\pm$ 0.013 χ^2 /NDF: 1002442.7/36

All: 85.518 $\pm$ 0.009 χ^2 /NDF: 2191824.1/70

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1674.993+/-430.597 χ^2/NDF : 5.1/15

Left Out: 1624.092+/-295.584 χ^2/NDF :18.3/18

Right Out: 1976.296+/-422.405 χ^2/NDF : 14.0/17

Left In: 1732.833+/-299.590 χ^2/NDF :20.1/17

Left: 1677.731+/-210.412 χ^2/NDF : 38.4/36

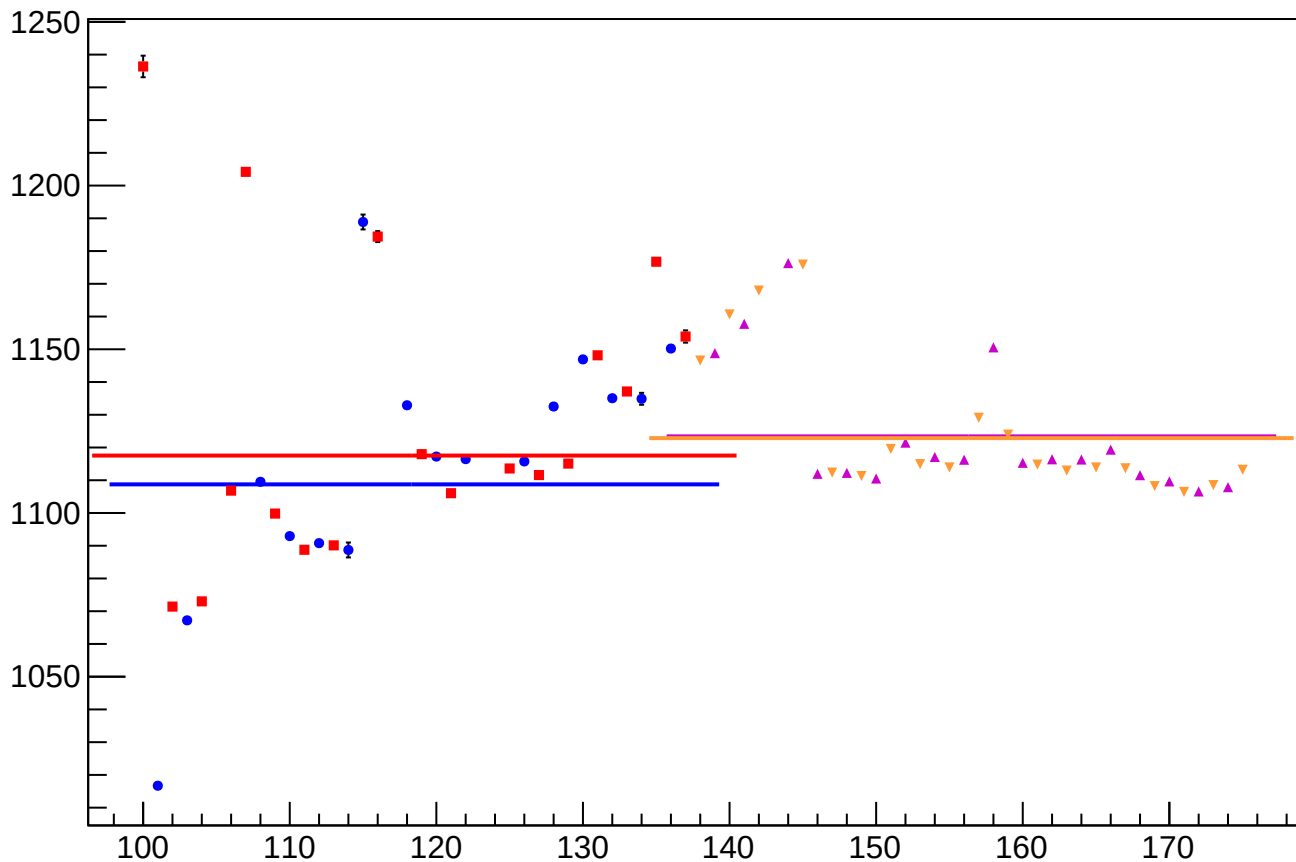
Right: 1828.538+/-301.540 χ^2/NDF : 19.4/33

In: 1713.967+/-245.923 χ^2/NDF :25.2/33

Out: 1739.866+/-242.179 χ^2/NDF :32.8/36

All: 1727.115+/-172.555 χ^2/NDF : 58.0/70

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1108.739 ± 0.304 $\chi^2/\text{NDF}: 18080.7/15$

Left Out: 1122.865 ± 0.209 $\chi^2/\text{NDF}: 8678.2/18$

Right Out: 1117.539 ± 0.299 $\chi^2/\text{NDF}: 15515.2/17$

Left In: 1123.397 ± 0.212 $\chi^2/\text{NDF}: 8576.9/17$

Left: 1123.128 ± 0.149 $\chi^2/\text{NDF}: 17258.3/36$

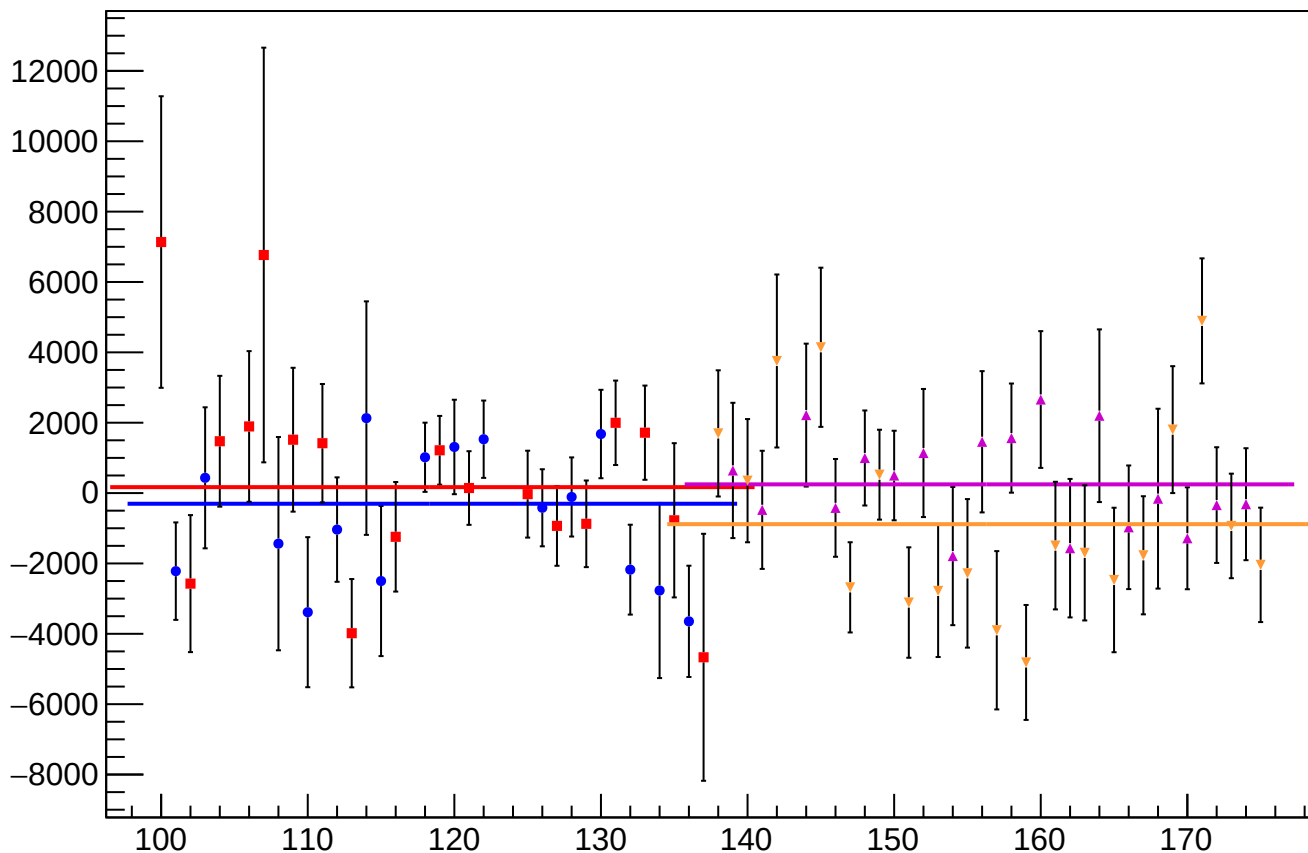
Right: 1113.224 ± 0.213 $\chi^2/\text{NDF}: 34021.5/33$

In: 1118.616 ± 0.174 $\chi^2/\text{NDF}: 28219.2/33$

Out: 1121.114 ± 0.171 $\chi^2/\text{NDF}: 24406.8/36$

All: 1119.884 ± 0.122 $\chi^2/\text{NDF}: 52730.8/70$

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -883.694+/-397.578 χ^2/NDF : 39.8/18

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

Left In: 247.793+/-402.183 χ^2/NDF : 9.0/17

Left: -324.466+/-282.744 χ^2/NDF : 52.8/36

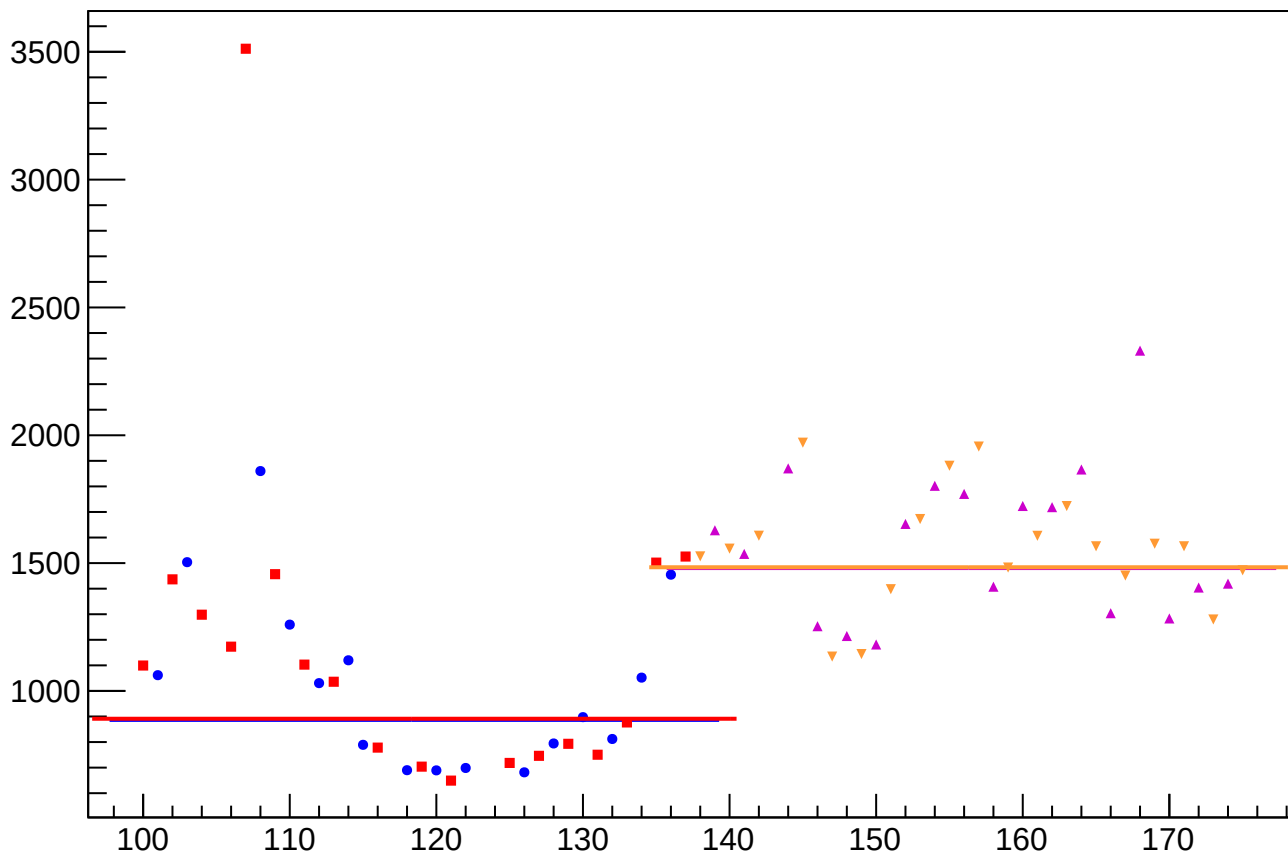
Right: -64.717+/-253.241 χ^2/NDF : 48.0/33

In: -58.129+/-268.265 χ^2/NDF : 32.4/33

Out: -299.872+/-265.313 χ^2/NDF : 68.5/36

All: -180.337+/-188.640 χ^2/NDF : 101.3/70

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1483.771+/-0.281 χ^2/NDF : 668678.2/18

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

Left In: 1480.623+/-0.284 χ^2/NDF : 842582.9/17

Left: 1482.215+/-0.200 χ^2/NDF : 1511323.1/36

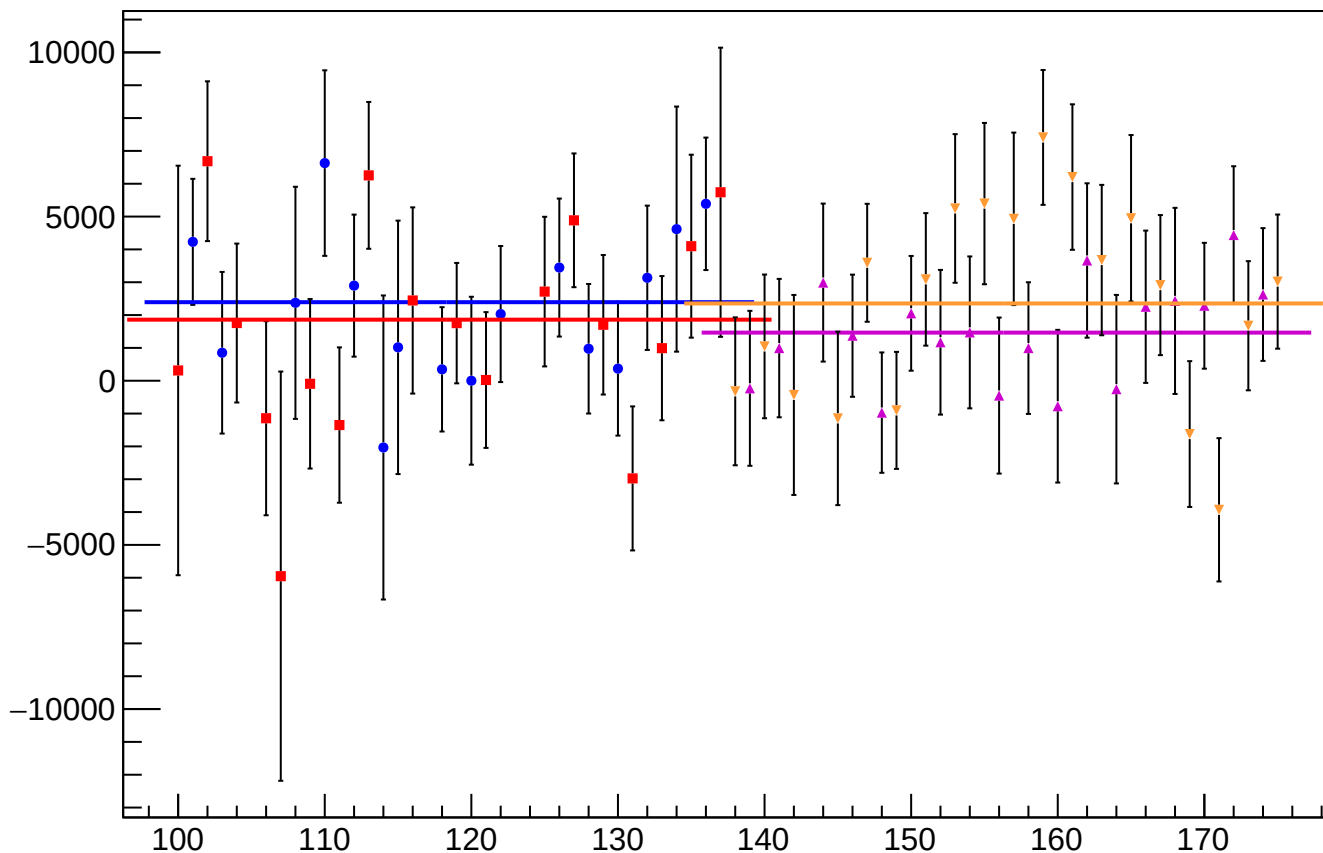
Right: 888.968+/-0.179 χ^2/NDF : 2475210.4/33

In: 1150.941+/-0.190 χ^2/NDF : 4324547.2/33

Out: 1155.083+/-0.188 χ^2/NDF : 4547268.9/36

All: 1153.035+/-0.133 χ^2/NDF : 8872057.0/70

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2353.270 $\pm$ 503.098 χ^2 /NDF:34.7/18

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

Left In: 1465.686 $\pm$ 509.484 χ^2 /NDF:8.5/17

Left: 1915.075 $\pm$ 357.981 χ^2 /NDF: 44.7/36

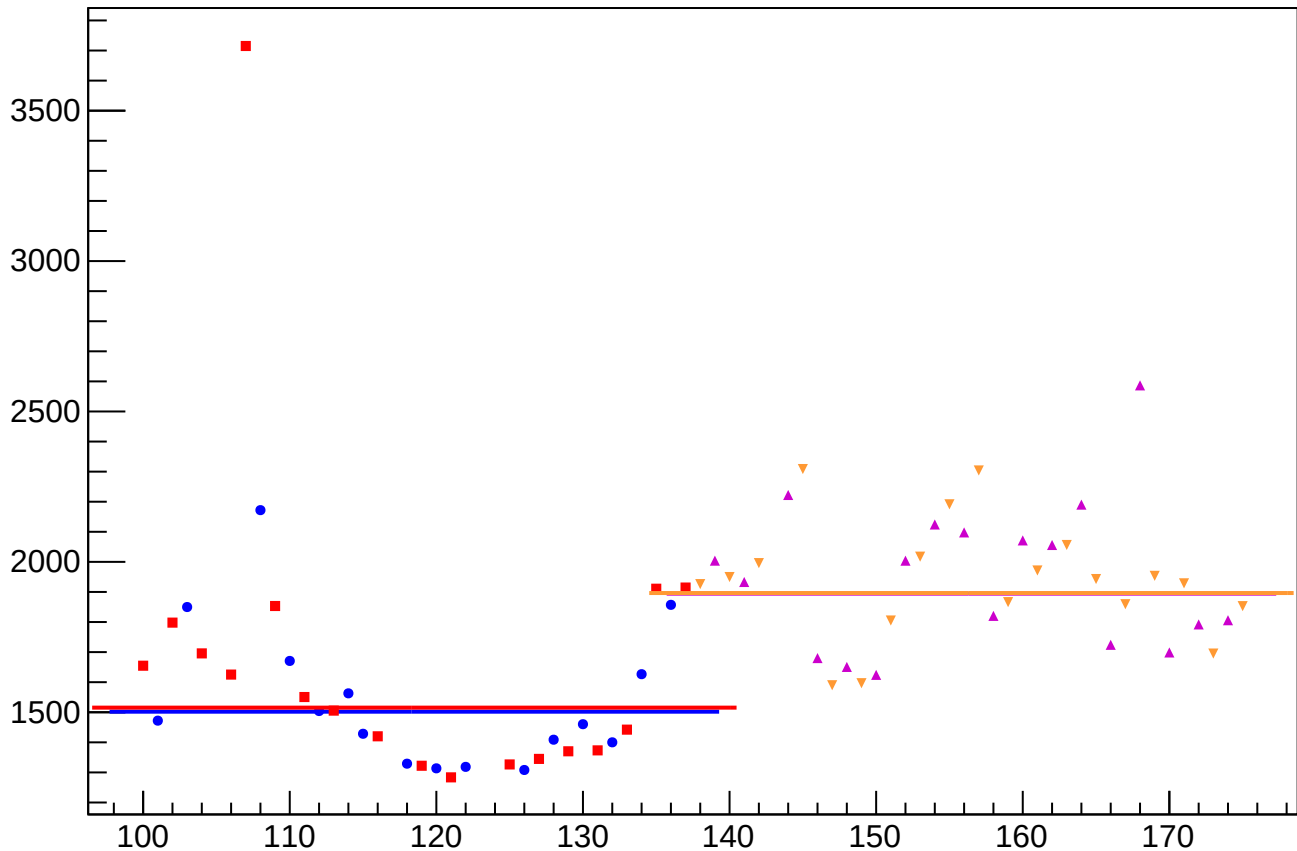
Right: 2123.458 $\pm$ 414.388 χ^2 /NDF: 34.1/33

In: 1862.311 $\pm$ 385.327 χ^2 /NDF:21.1/33

Out: 2142.721 $\pm$ 380.919 χ^2 /NDF:57.6/36

All: 2004.129 $\pm$ 270.896 χ^2 /NDF: 78.9/70

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1896.396+/-0.356 χ^2/NDF : 291310.5/18

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

Left In: 1894.327+/-0.360 χ^2/NDF : 395679.3/17

Left: 1895.374+/-0.253 χ^2/NDF : 687006.5/36

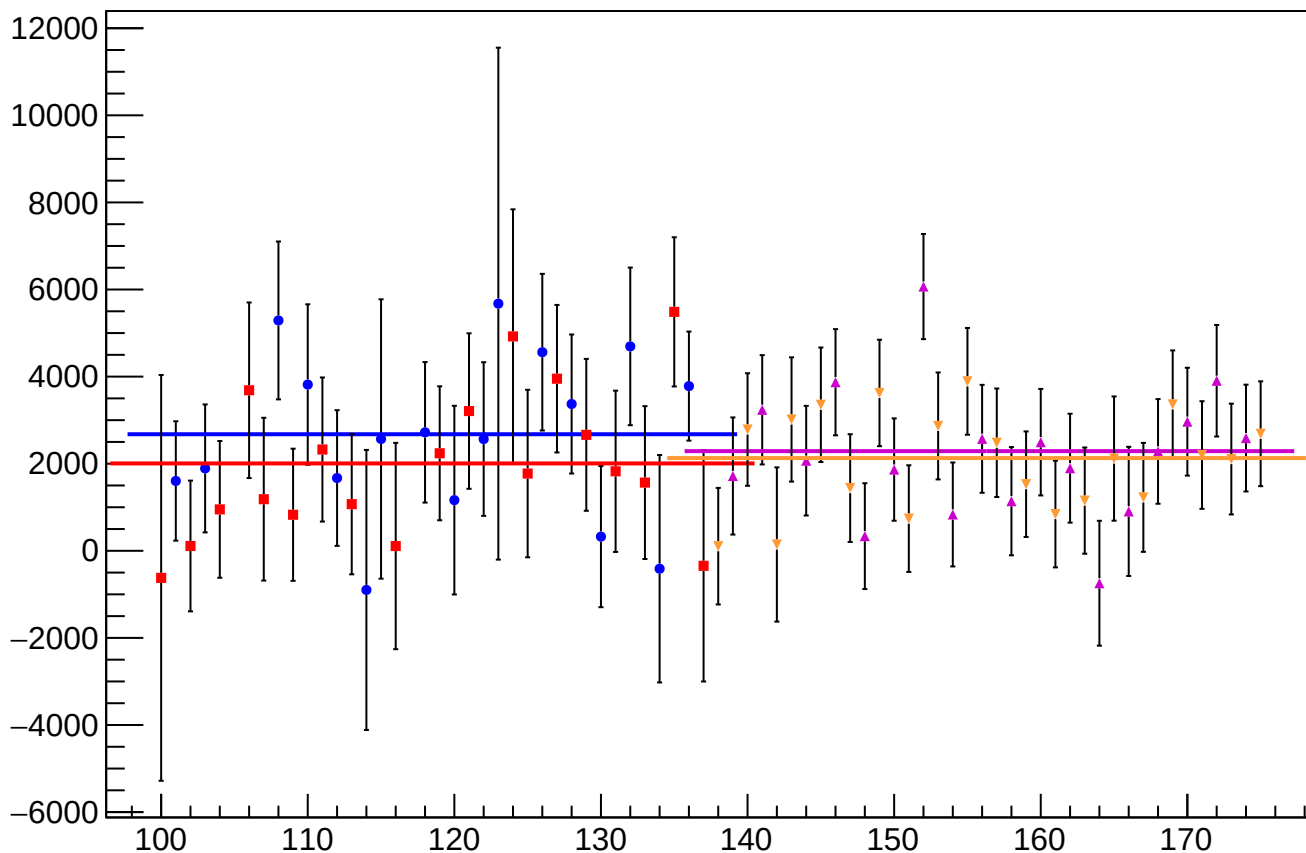
Right: 1508.739+/-0.293 χ^2/NDF : 734837.7/33

In: 1726.385+/-0.272 χ^2/NDF : 1157974.6/33

Out: 1733.816+/-0.269 χ^2/NDF : 1260514.3/36

All: 1730.143+/-0.192 χ^2/NDF : 2418865.2/70

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2129.400 $\pm$ 285.441 χ^2 /NDF:14.4/19

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

Left In: 2288.603 $\pm$ 295.534 χ^2 /NDF:24.8/17

Left: 2206.237 $\pm$ 205.313 χ^2 /NDF: 39.3/37

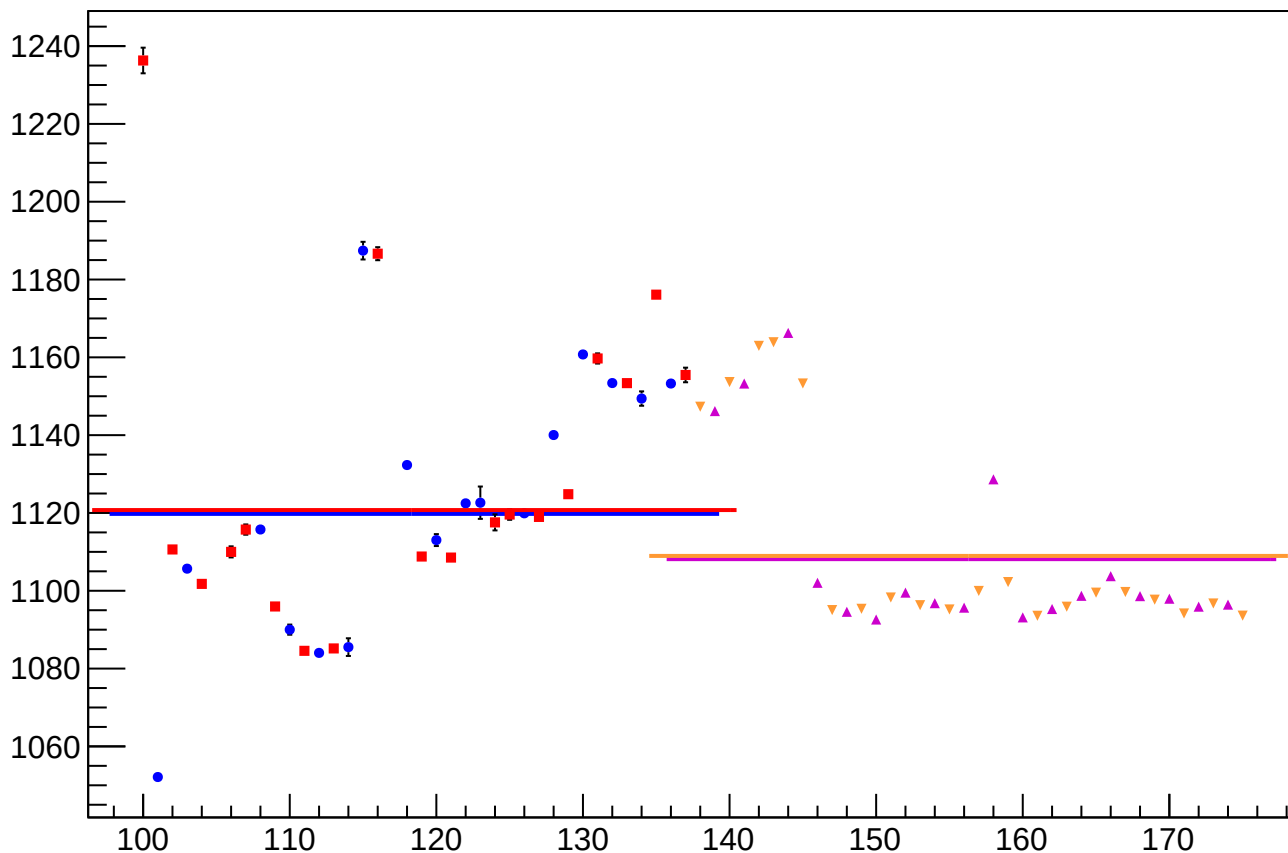
Right: 2330.304 $\pm$ 301.362 χ^2 /NDF: 26.6/35

In: 2411.708 $\pm$ 244.202 χ^2 /NDF:37.9/34

Out: 2090.488 $\pm$ 235.932 χ^2 /NDF:27.2/38

All: 2245.567 $\pm$ 169.677 χ^2 /NDF: 66.0/73

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1108.959 $\pm$ 0.202 χ^2/NDF : 14118.3/19

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

Left In: 1108.130 $\pm$ 0.209 χ^2/NDF : 11370.5/17

Left: 1108.559 $\pm$ 0.145 χ^2/NDF : 25497.0/37

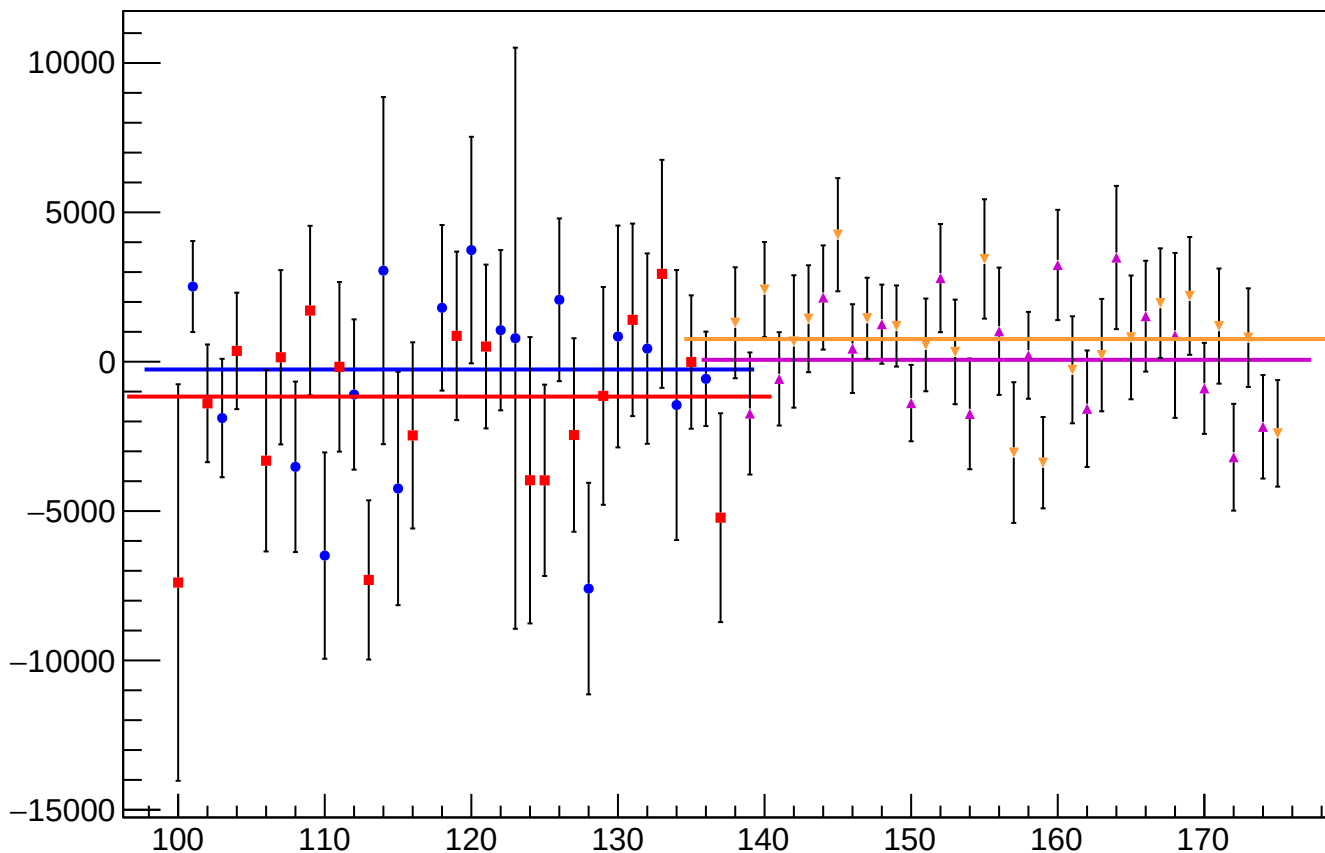
Right: 1120.271 $\pm$ 0.213 χ^2/NDF : 21816.3/35

In: 1111.820 $\pm$ 0.173 χ^2/NDF : 24230.1/34

Out: 1112.693 $\pm$ 0.167 χ^2/NDF : 25132.9/38

All: 1112.272 $\pm$ 0.120 χ^2/NDF : 49376.2/73

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 758.180 $\pm$ 392.418 χ^2/NDF : 21.4/19

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

Left In: 62.696 $\pm$ 403.872 χ^2/NDF : 19.8/17

Left: 420.440 $\pm$ 281.444 χ^2/NDF : 42.8/37

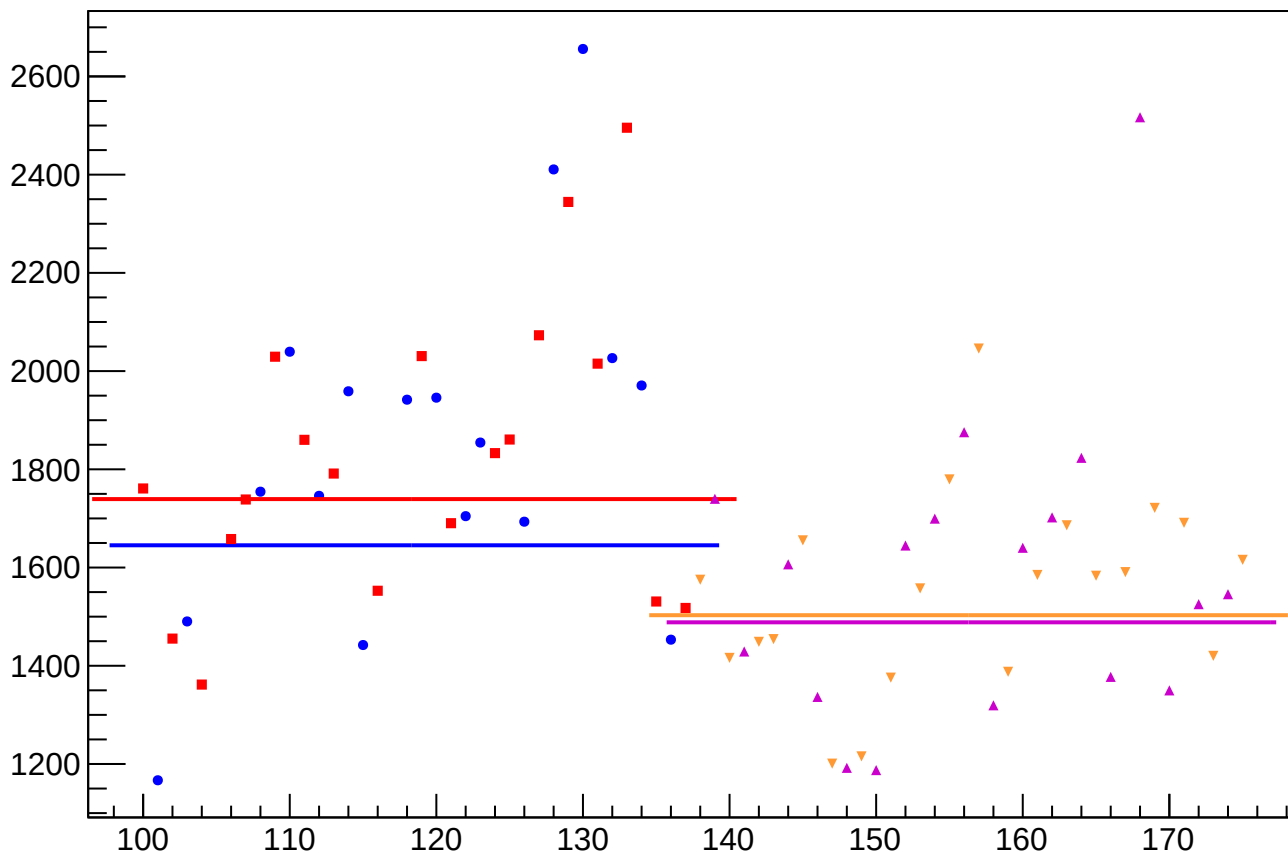
Right: -708.782 $\pm$ 465.858 χ^2/NDF : 32.6/35

In: -26.092 $\pm$ 343.815 χ^2/NDF : 37.2/34

Out: 257.922 $\pm$ 337.624 χ^2/NDF : 42.1/38

All: 118.495 $\pm$ 240.895 χ^2/NDF : 79.6/73

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1502.956+/-0.277 χ^2/NDF : 471961.4/19

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

Left In: 1488.473+/-0.286 χ^2/NDF : 788730.6/17

Left: 1495.923+/-0.199 χ^2/NDF : 1262014.9/37

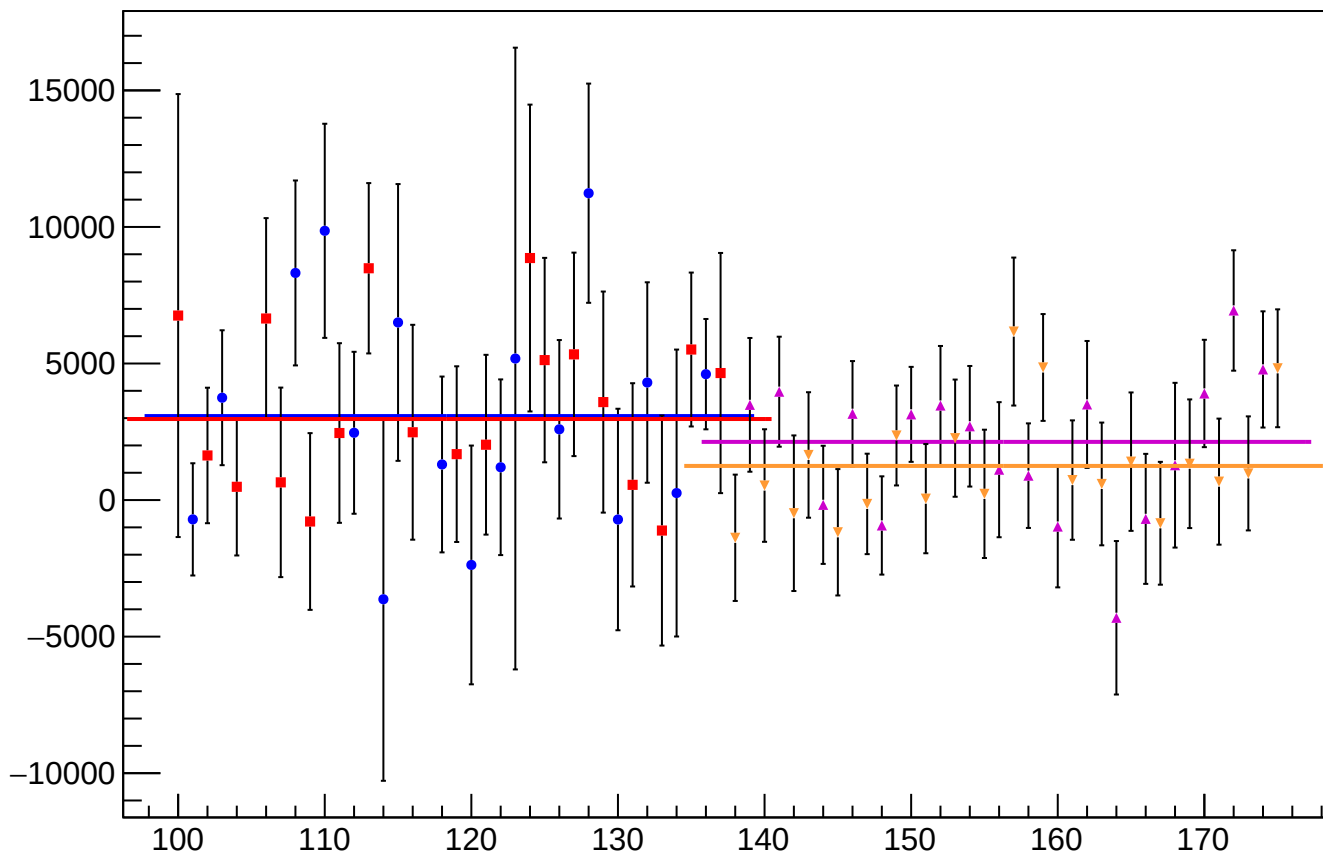
Right: 1691.833+/-0.329 χ^2/NDF : 992315.5/35

In: 1531.649+/-0.243 χ^2/NDF : 1472672.8/34

Out: 1564.372+/-0.239 χ^2/NDF : 1031559.9/38

All: 1548.308+/-0.170 χ^2/NDF : 2513455.9/73

asym_usr_mean vs Slug, Sign Corrected



Right In: 3075.401+/-802.249 χ^2/NDF : 18.6/16

Left Out: 1249.856+/-491.732 χ^2/NDF :15.2/19

Right Out: 2967.536+/-795.639 χ^2/NDF : 11.9/18

Left In: 2130.401+/-508.148 χ^2/NDF :23.0/17

Left: 1675.676+/-353.368 χ^2/NDF : 39.7/37

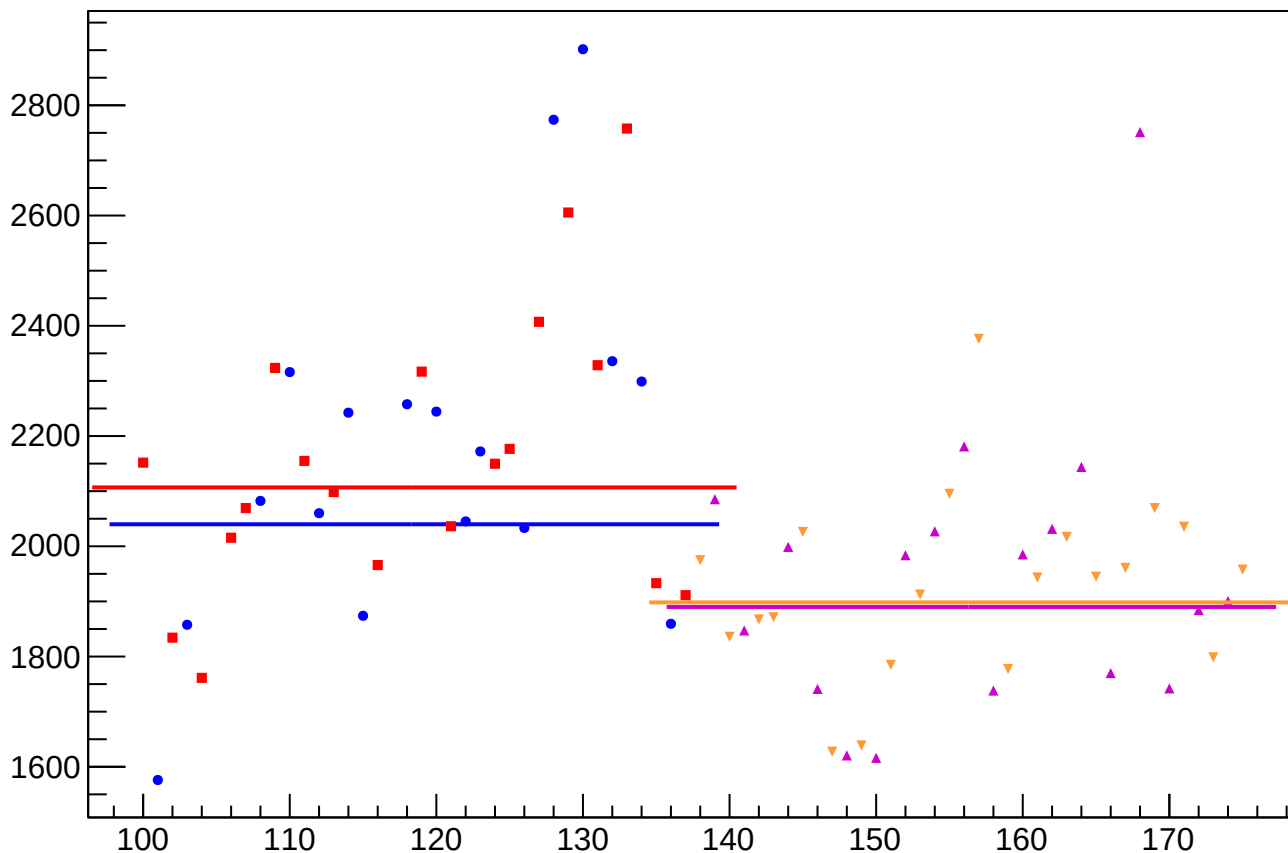
Right: 3021.022+/-564.924 χ^2/NDF : 30.5/35

In: 2400.979+/-429.279 χ^2/NDF :42.6/34

Out: 1724.612+/-418.292 χ^2/NDF :30.4/38

All: 2054.029+/-299.586 χ^2/NDF : 74.3/73

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1898.252 $\pm$ 0.348 χ^2 /NDF:217119.0/19

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

Left In: 1889.936 $\pm$ 0.359 χ^2 /NDF:383727.2/17

Left: 1894.230 $\pm$ 0.250 χ^2 /NDF: 601122.9/37

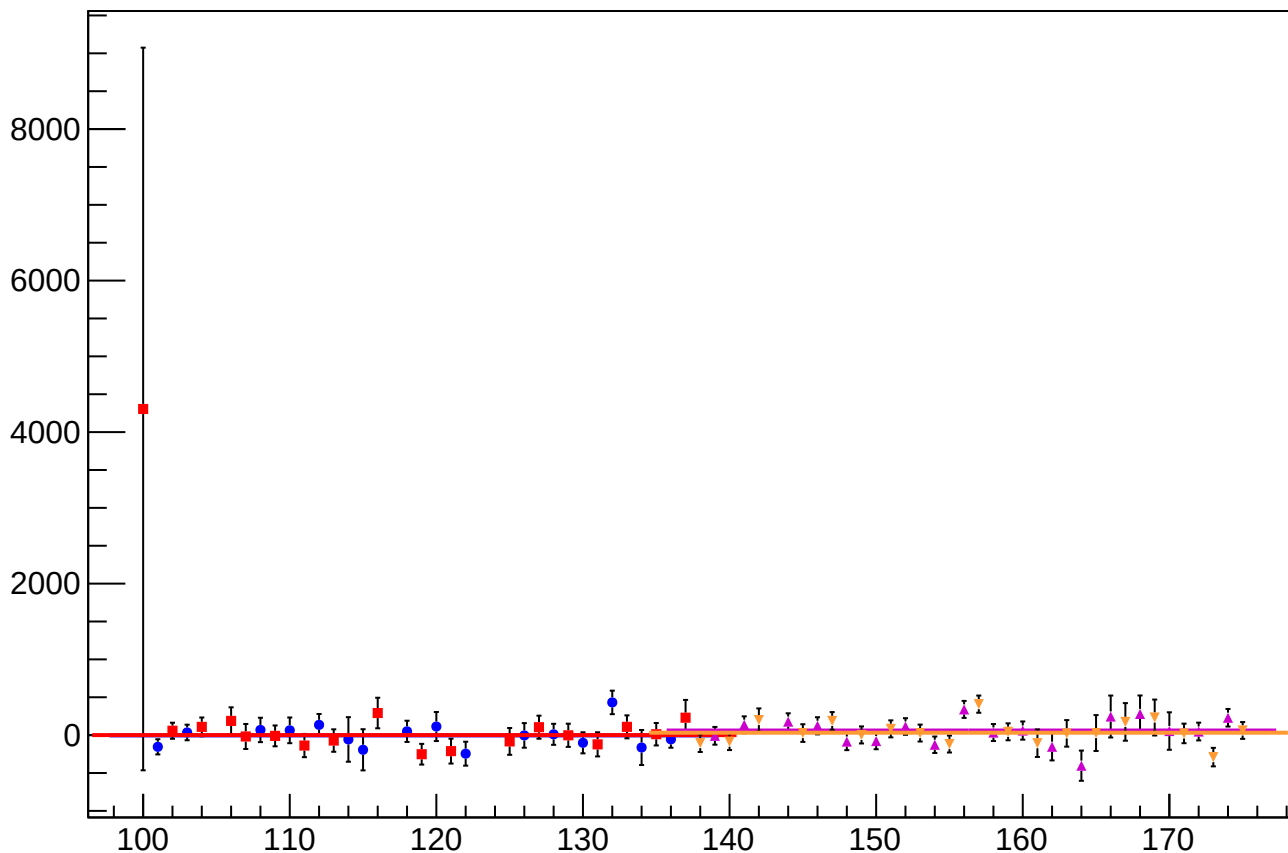
Right: 2073.664 $\pm$ 0.399 χ^2 /NDF: 534442.4/35

In: 1932.886 $\pm$ 0.304 χ^2 /NDF:765614.6/34

Out: 1955.902 $\pm$ 0.296 χ^2 /NDF:512027.6/38

All: 1944.693 $\pm$ 0.212 χ^2 /NDF: 1280591.3/73

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 31.951 ± 29.594 $\chi^2/\text{NDF}: 27.2/18$

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

Left In: 60.888 ± 29.826 $\chi^2/\text{NDF}: 25.3/17$

Left: 46.307 ± 21.008 $\chi^2/\text{NDF}: 53.0/36$

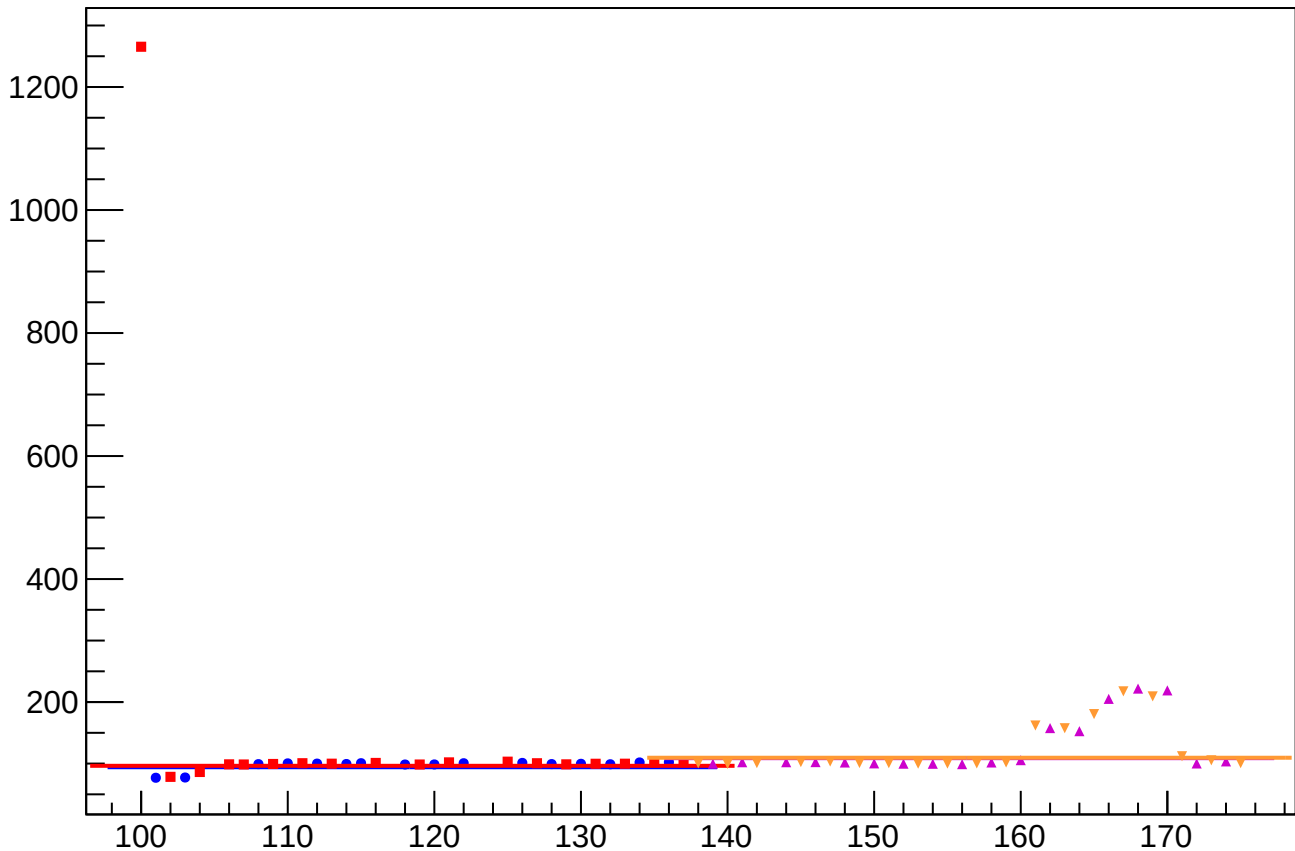
Right: -1.397 ± 25.955 $\chi^2/\text{NDF}: 30.1/33$

In: 35.375 ± 23.150 $\chi^2/\text{NDF}: 43.2/33$

Out: 19.553 ± 23.037 $\chi^2/\text{NDF}: 41.6/36$

All: 27.425 ± 16.329 $\chi^2/\text{NDF}: 85.1/70$

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 109.495+/-0.021 χ^2/NDF :1368452.7/18

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

Left In: 108.796+/-0.021 χ^2/NDF :1434260.6/17

Left: 109.148+/-0.015 χ^2/NDF : 2803268.2/36

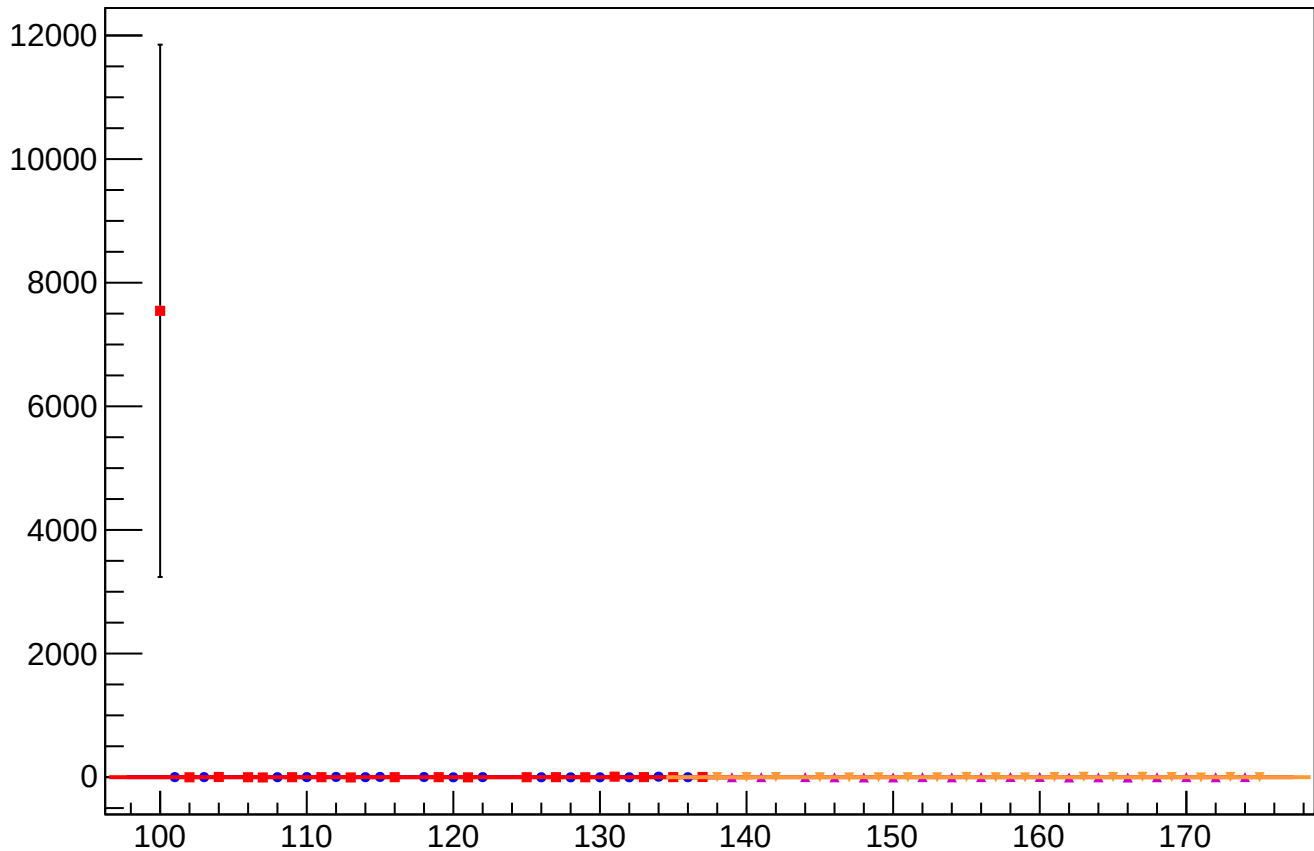
Right: 95.221+/-0.018 χ^2/NDF : 365453.7/33

In: 102.940+/-0.016 χ^2/NDF :1780416.0/33

Out: 104.324+/-0.016 χ^2/NDF :1732654.8/36

All: 103.636+/-0.012 χ^2/NDF : 3516663.0/70

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.426 $\pm$ 0.616 χ^2 /NDF: 9.7/15

Left Out: -0.378 $\pm$ 0.524 χ^2 /NDF:26.9/18

Right Out: -0.313 $\pm$ 0.643 χ^2 /NDF: 22.8/17

Left In: 0.051 $\pm$ 0.544 χ^2 /NDF:22.0/17

Left: -0.172 $\pm$ 0.377 χ^2 /NDF: 49.2/36

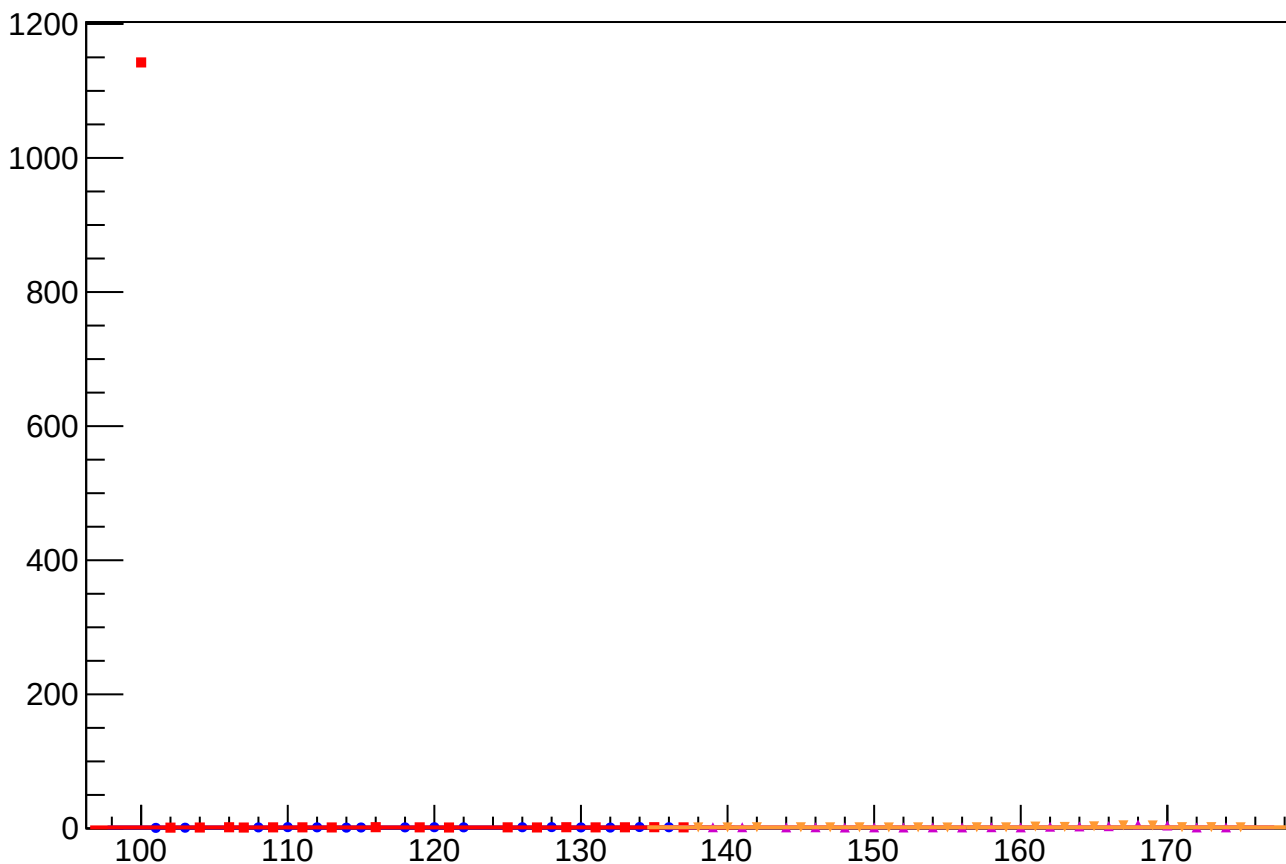
Right: 0.073 $\pm$ 0.445 χ^2 /NDF: 33.2/33

In: 0.215 $\pm$ 0.408 χ^2 /NDF:32.0/33

Out: -0.352 $\pm$ 0.406 χ^2 /NDF:49.6/36

All: -0.070 $\pm$ 0.288 χ^2 /NDF: 82.6/70

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.744+/-0.000 χ^2/NDF :1483911.0/18

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

Left In: 1.807+/-0.000 χ^2/NDF :1793439.8/17

Left: 1.775+/-0.000 χ^2/NDF : 3291220.5/36

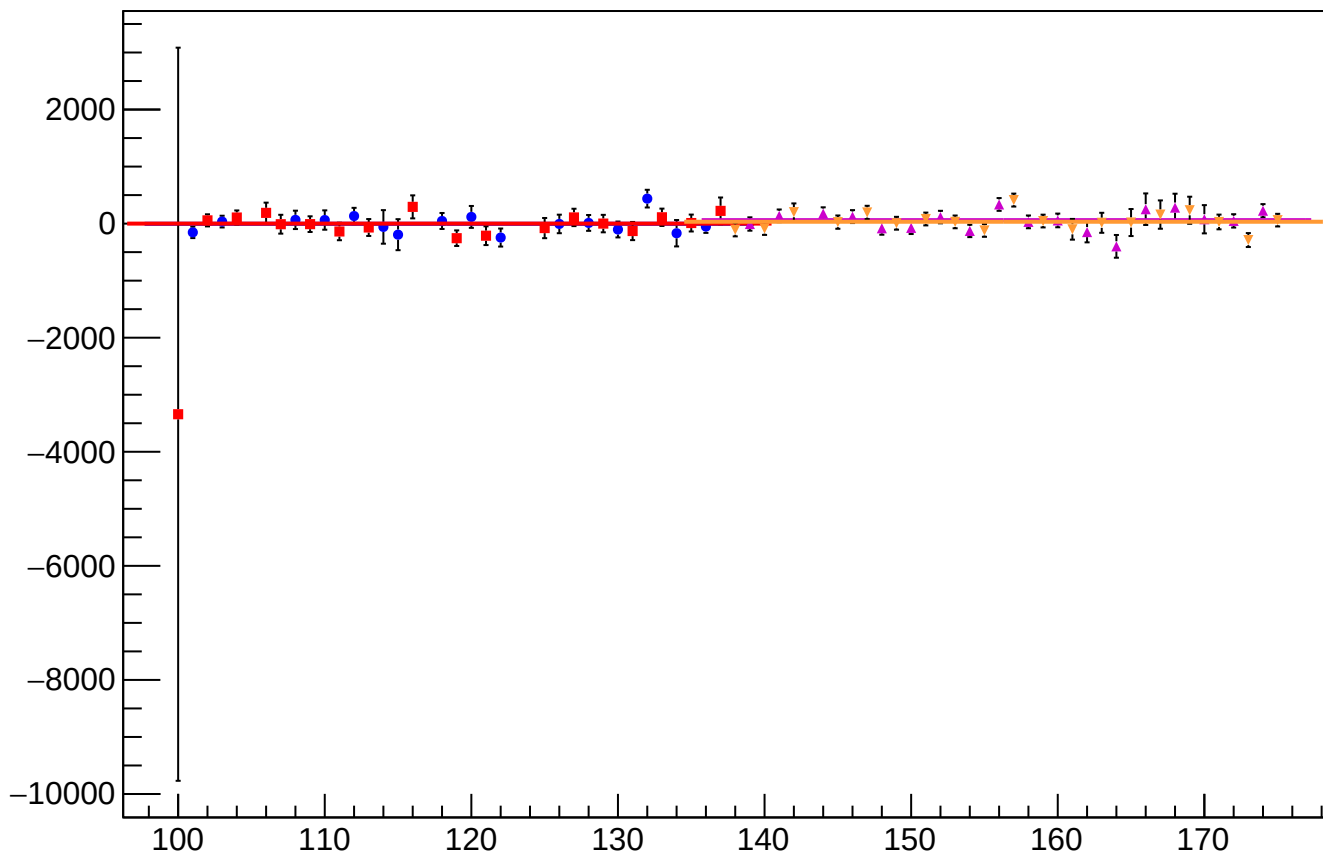
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

In: 1.637+/-0.000 χ^2/NDF :2969506.6/33

Out: 1.669+/-0.000 χ^2/NDF :1903493.7/36

All: 1.653+/-0.000 χ^2/NDF : 4879102.2/70

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 32.804 ± 29.603 χ^2/NDF : 27.5/18

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

Left In: 60.960 ± 29.835 χ^2/NDF : 24.7/17

Left: 46.772 ± 21.014 χ^2/NDF : 52.7/36

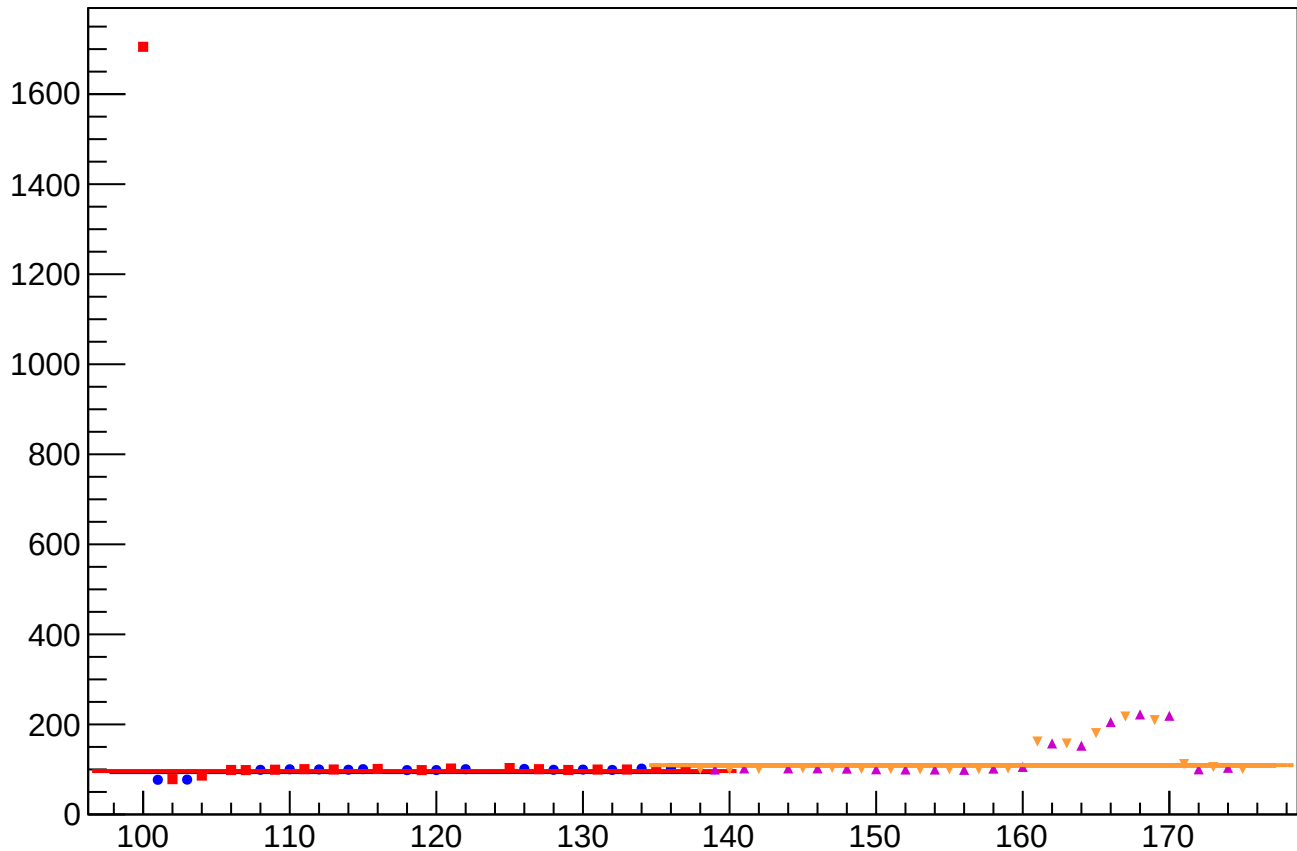
Right: -1.463 ± 25.962 χ^2/NDF : 29.8/33

In: 35.490 ± 23.156 χ^2/NDF : 42.8/33

Out: 19.945 ± 23.043 χ^2/NDF : 41.5/36

All: 27.680 ± 16.334 χ^2/NDF : 84.6/70

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 109.525+/-0.021 χ^2/NDF : 1369780.5/18

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

Left In: 108.825+/-0.021 χ^2/NDF : 1435527.6/17

Left: 109.178+/-0.015 χ^2/NDF : 2805863.2/36

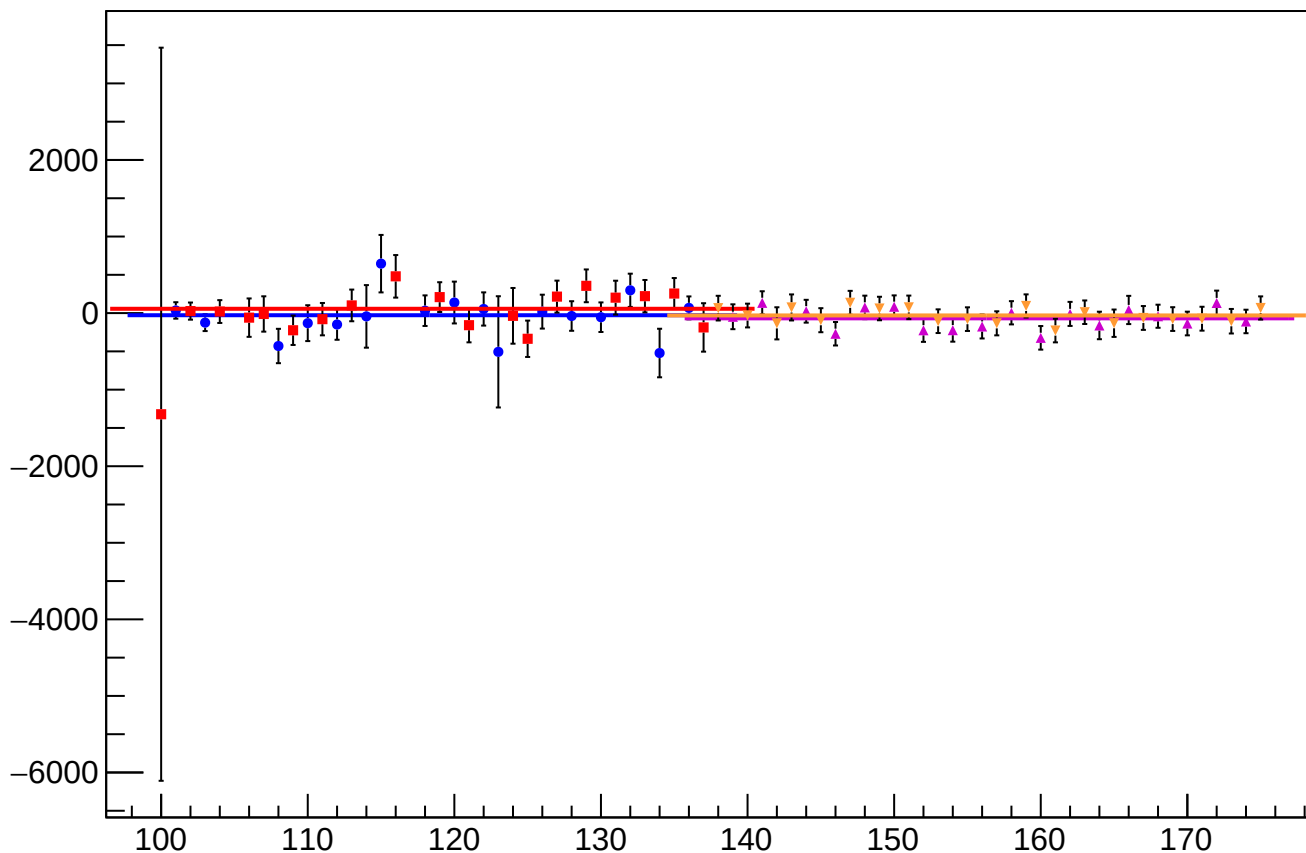
Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33

In: 102.968+/-0.016 χ^2/NDF : 1781739.5/33

Out: 104.346+/-0.016 χ^2/NDF : 1739530.8/36

All: 103.660+/-0.012 χ^2/NDF : 3524830.2/70

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -30.477 ± 35.487 χ^2/NDF : 7.4/19

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

Left In: -68.676 ± 36.780 χ^2/NDF : 14.0/17

Left: -48.894 ± 25.538 χ^2/NDF : 21.9/37

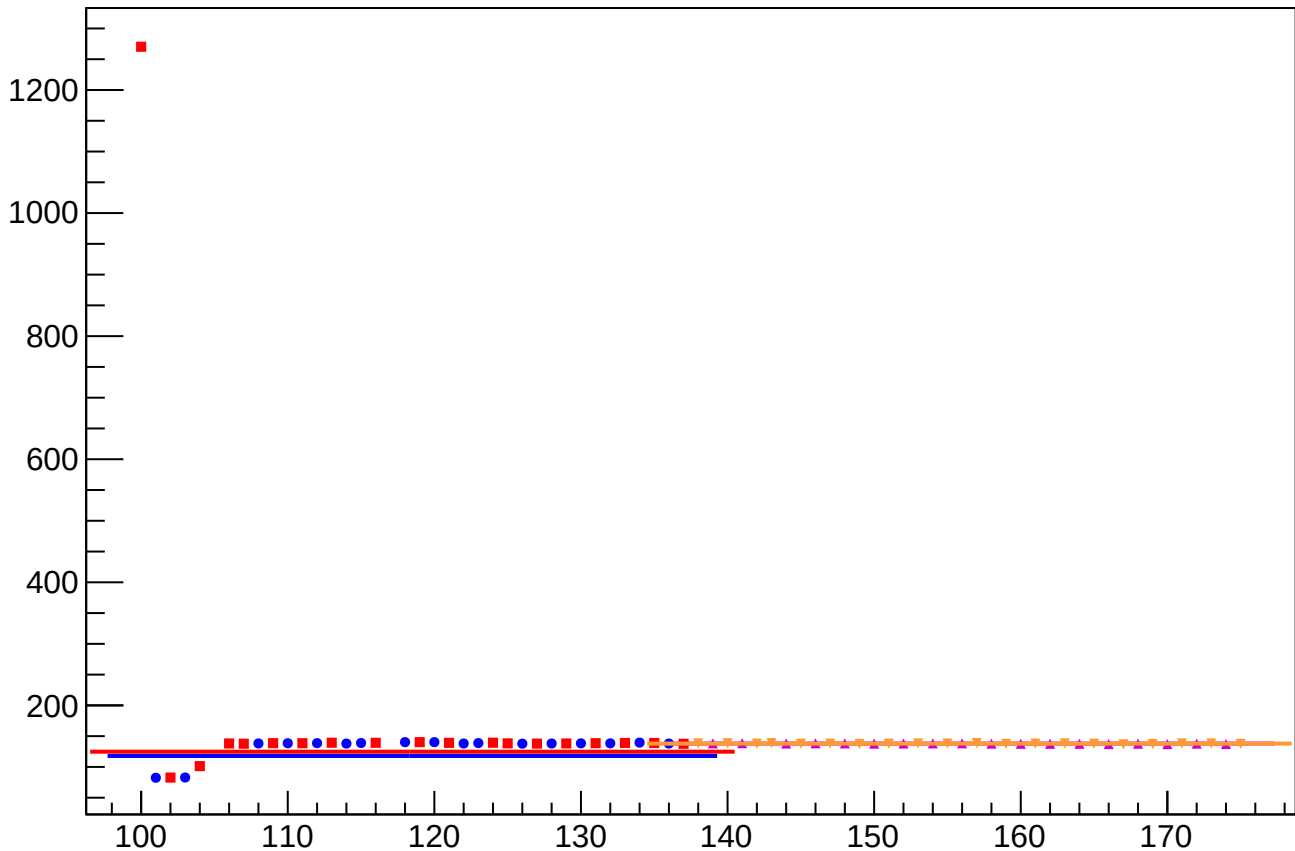
Right: 13.449 ± 33.401 χ^2/NDF : 30.8/35

In: -53.075 ± 28.913 χ^2/NDF : 28.7/34

Out: 0.469 ± 28.474 χ^2/NDF : 24.4/38

All: -25.894 ± 20.287 χ^2/NDF : 54.9/73

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.899 $\pm$ 0.025 χ^2 /NDF:345.0/19

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

Left In: 137.928 $\pm$ 0.026 χ^2 /NDF:262.9/17

Left: 137.913 $\pm$ 0.018 χ^2 /NDF: 608.6/37

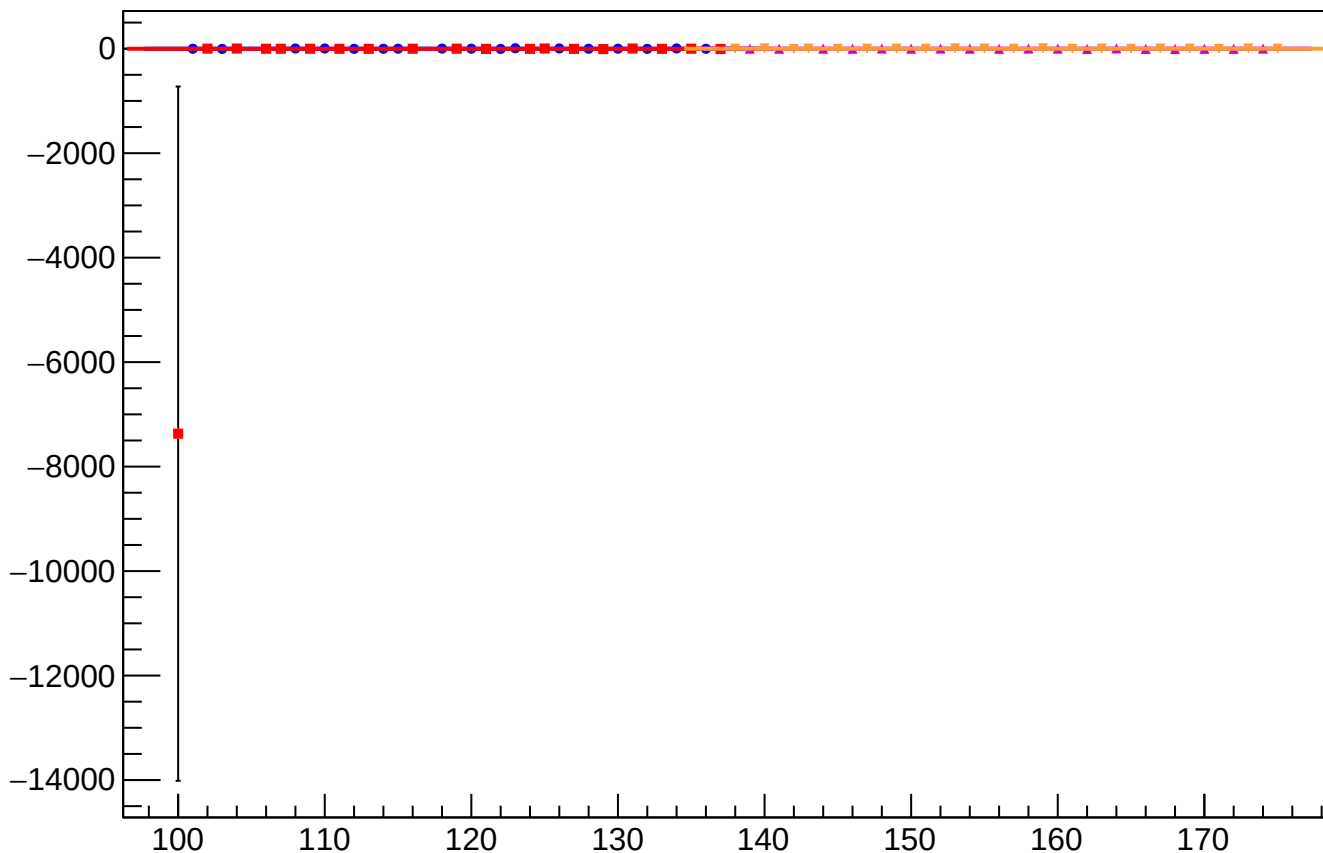
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

In: 130.244 $\pm$ 0.020 χ^2 /NDF:895353.3/34

Out: 133.220 $\pm$ 0.020 χ^2 /NDF:667722.8/38

All: 131.755 $\pm$ 0.014 χ^2 /NDF: 1573831.3/73

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.285 ± 0.624 χ^2/NDF : 24.6/19

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

Left In: 0.599 ± 0.645 χ^2/NDF : 17.0/17

Left: 0.437 ± 0.449 χ^2/NDF : 41.7/37

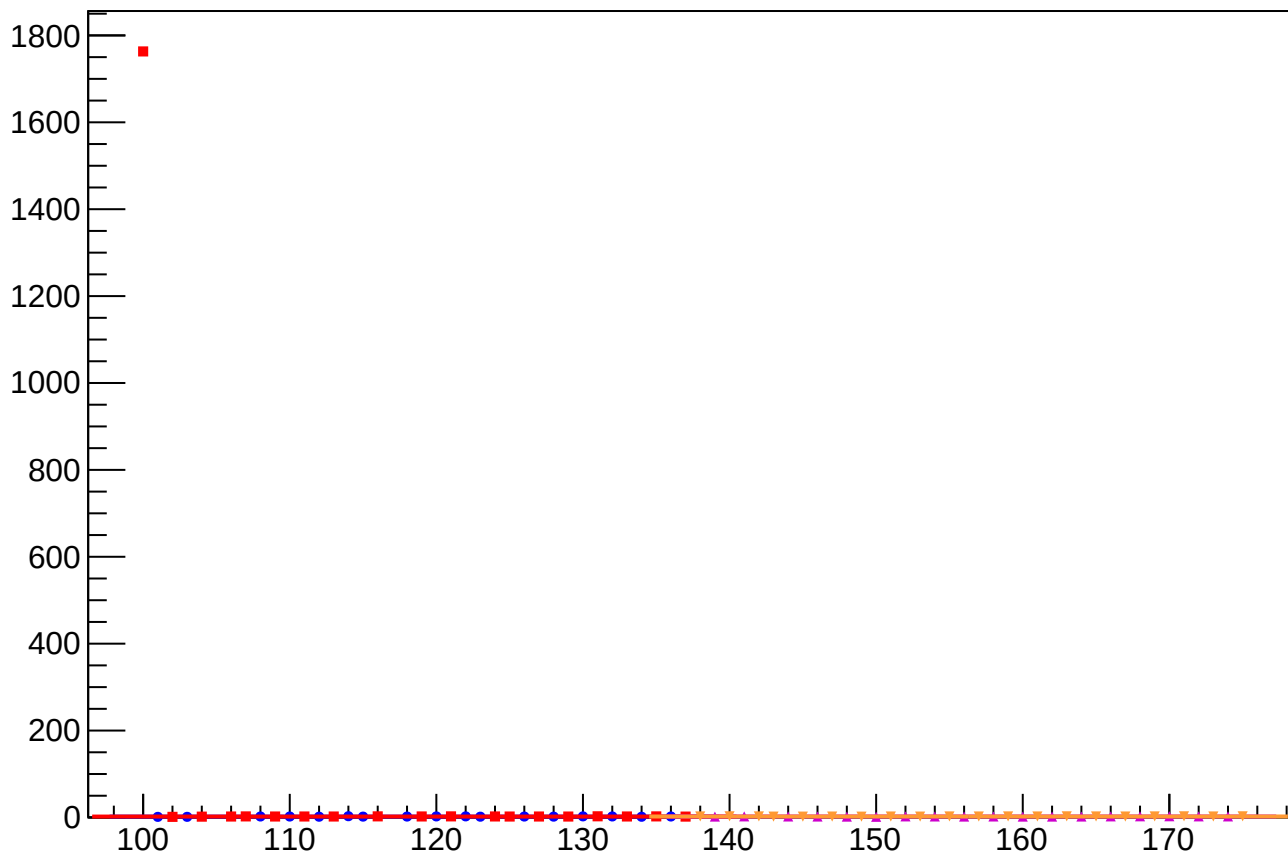
Right: -0.673 ± 0.587 χ^2/NDF : 26.3/35

In: 0.097 ± 0.505 χ^2/NDF : 31.2/34

Out: -0.042 ± 0.503 χ^2/NDF : 39.1/38

All: 0.027 ± 0.356 χ^2/NDF : 70.3/73

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.869+/-0.001 χ^2/NDF : 493173.6/16

Left Out: 2.229+/-0.000 χ^2/NDF : 292537.3/19

Right Out: 2.065+/-0.001 χ^2/NDF : 525497.0/18

Left In: 2.188+/-0.000 χ^2/NDF : 482941.9/17

Left: 2.209+/-0.000 χ^2/NDF : 779750.4/37

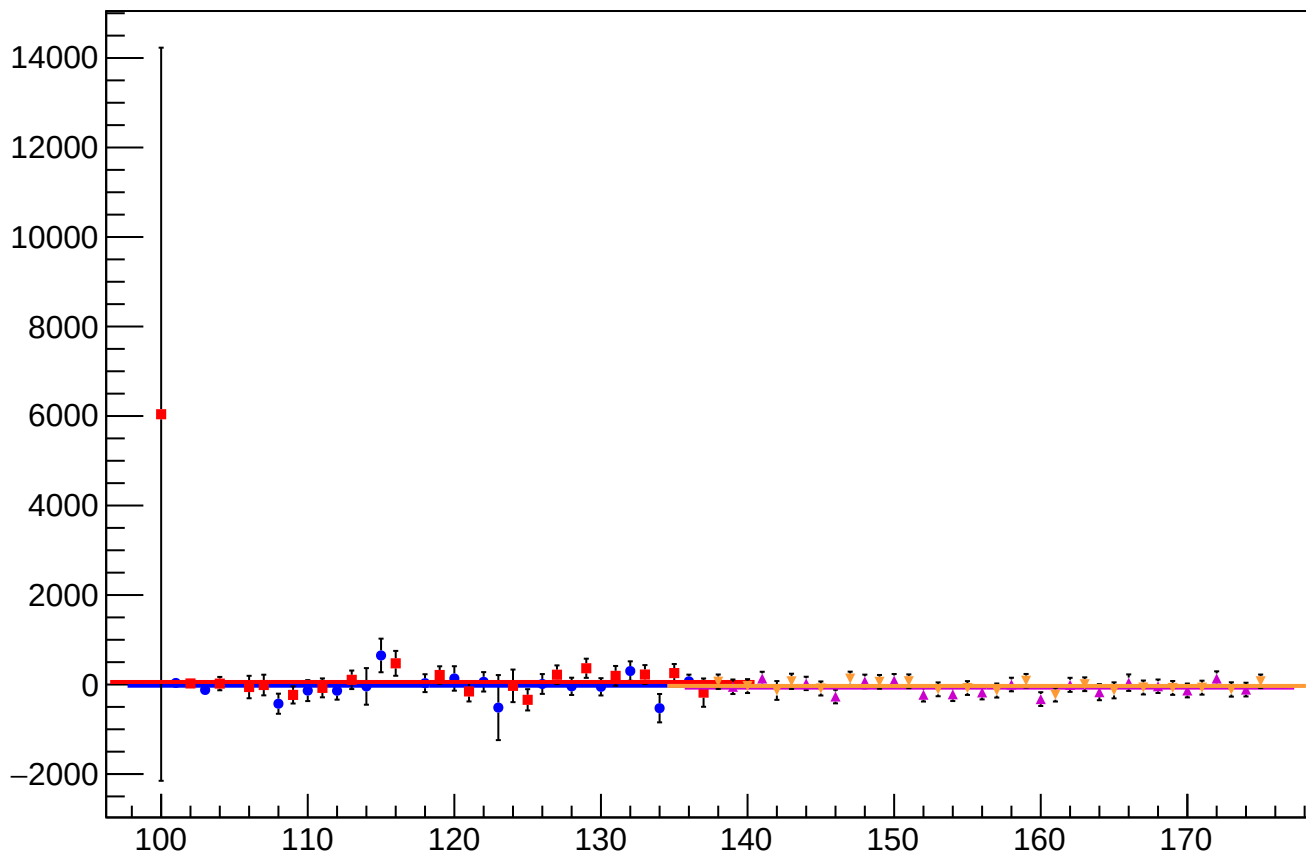
Right: 1.962+/-0.000 χ^2/NDF : 1074296.8/35

In: 2.064+/-0.000 χ^2/NDF : 1165201.1/34

Out: 2.172+/-0.000 χ^2/NDF : 866308.3/38

All: 2.118+/-0.000 χ^2/NDF : 2077182.8/73

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -31.029+/-35.497 χ^2/NDF : 7.2/19

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

Left In: -68.977+/-36.790 χ^2/NDF : 14.1/17

Left: -49.324+/-25.545 χ^2/NDF : 21.8/37

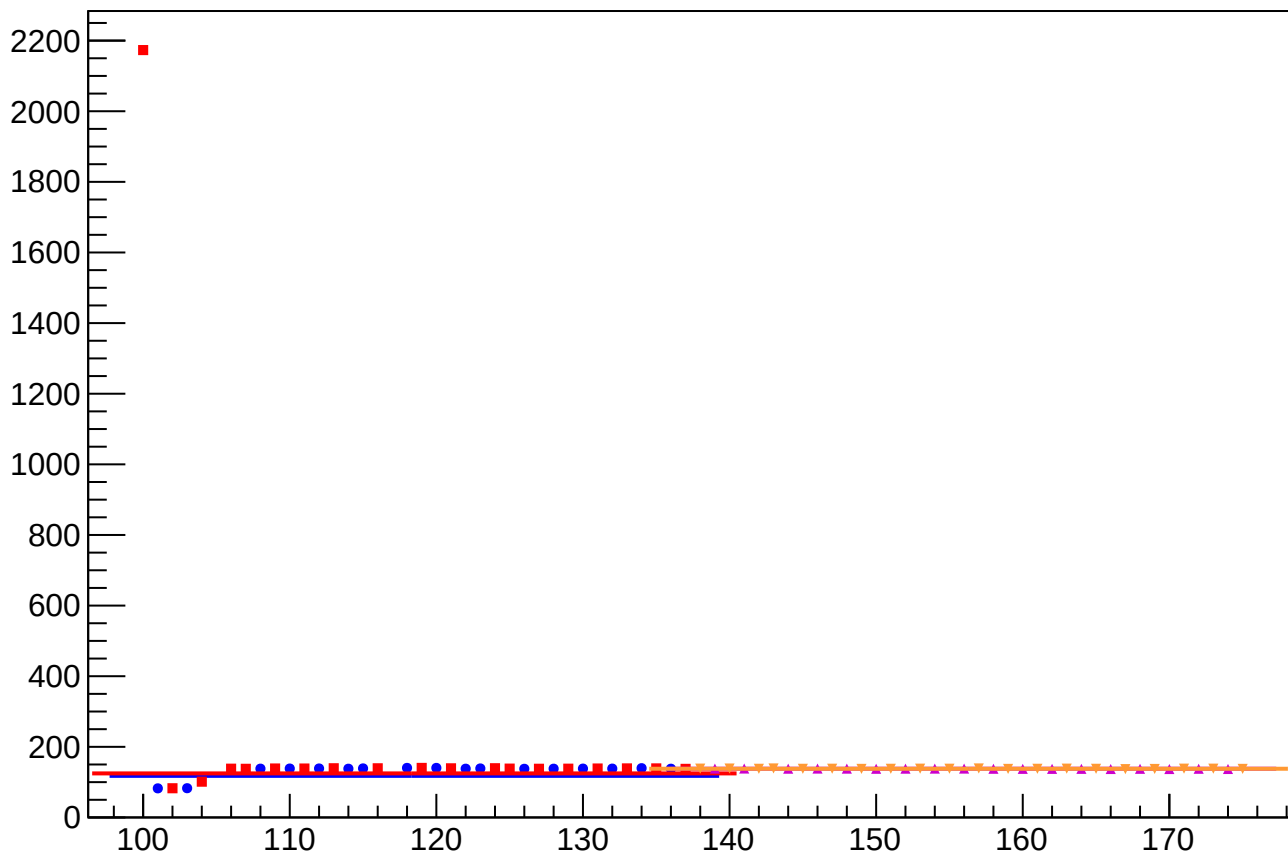
Right: 14.681+/-33.410 χ^2/NDF : 31.4/35

In: -52.657+/-28.921 χ^2/NDF : 28.9/34

Out: 0.422+/-28.482 χ^2/NDF : 24.9/38

All: -25.711+/-20.293 χ^2/NDF : 55.6/73

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.936 $\pm$ 0.025 χ^2 /NDF: 344.4/19

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

Left In: 137.967 $\pm$ 0.026 χ^2 /NDF: 259.6/17

Left: 137.951 $\pm$ 0.018 χ^2 /NDF: 604.7/37

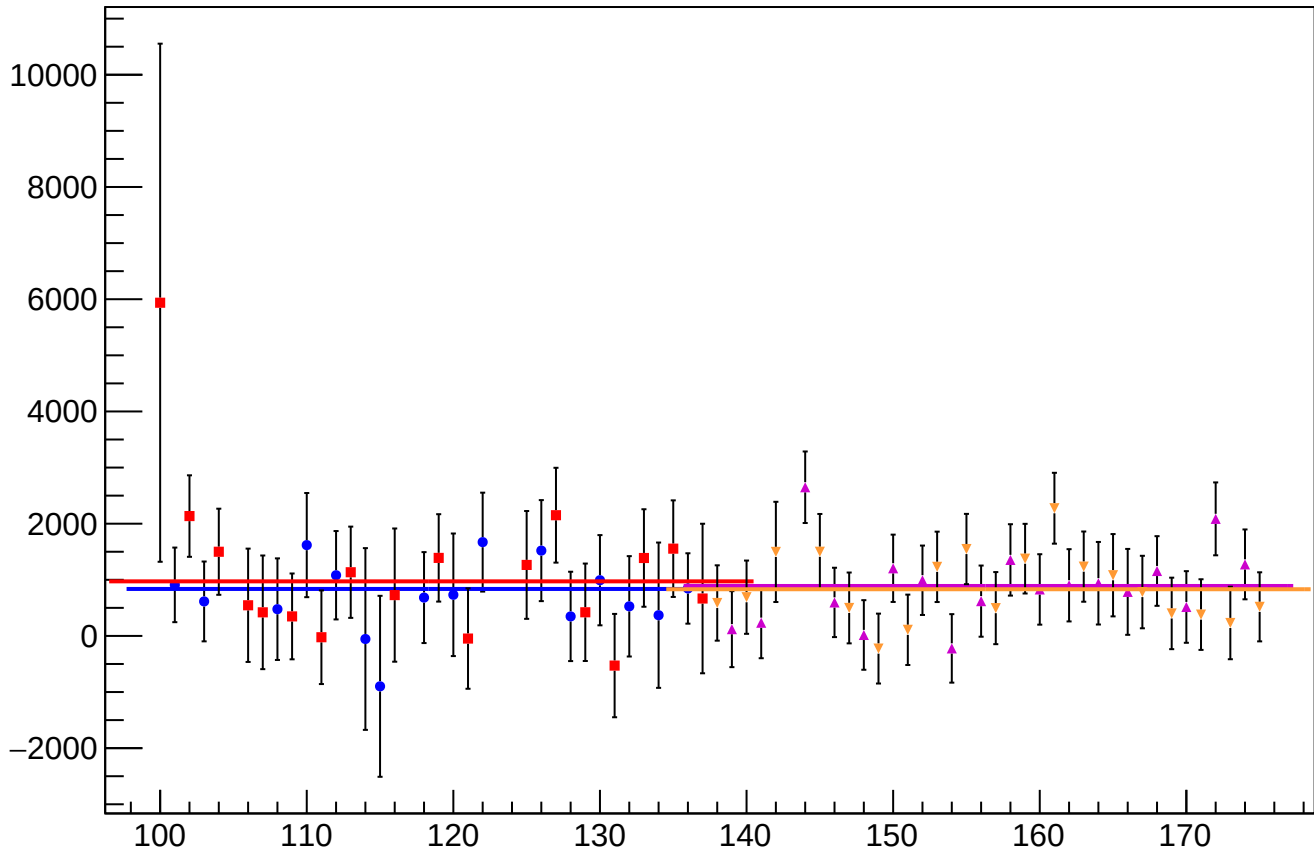
Right: 121.231 $\pm$ 0.024 χ^2 /NDF: 1268326.7/35

In: 130.280 $\pm$ 0.020 χ^2 /NDF: 895425.6/34

Out: 133.240 $\pm$ 0.020 χ^2 /NDF: 678966.0/38

All: 131.783 $\pm$ 0.014 χ^2 /NDF: 1585027.5/73

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 831.838 $\pm$ 148.882 χ^2 /NDF:16.8/18

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

Left In: 889.955 $\pm$ 150.911 χ^2 /NDF:20.9/17

Left: 860.504 $\pm$ 105.986 χ^2 /NDF: 37.8/36

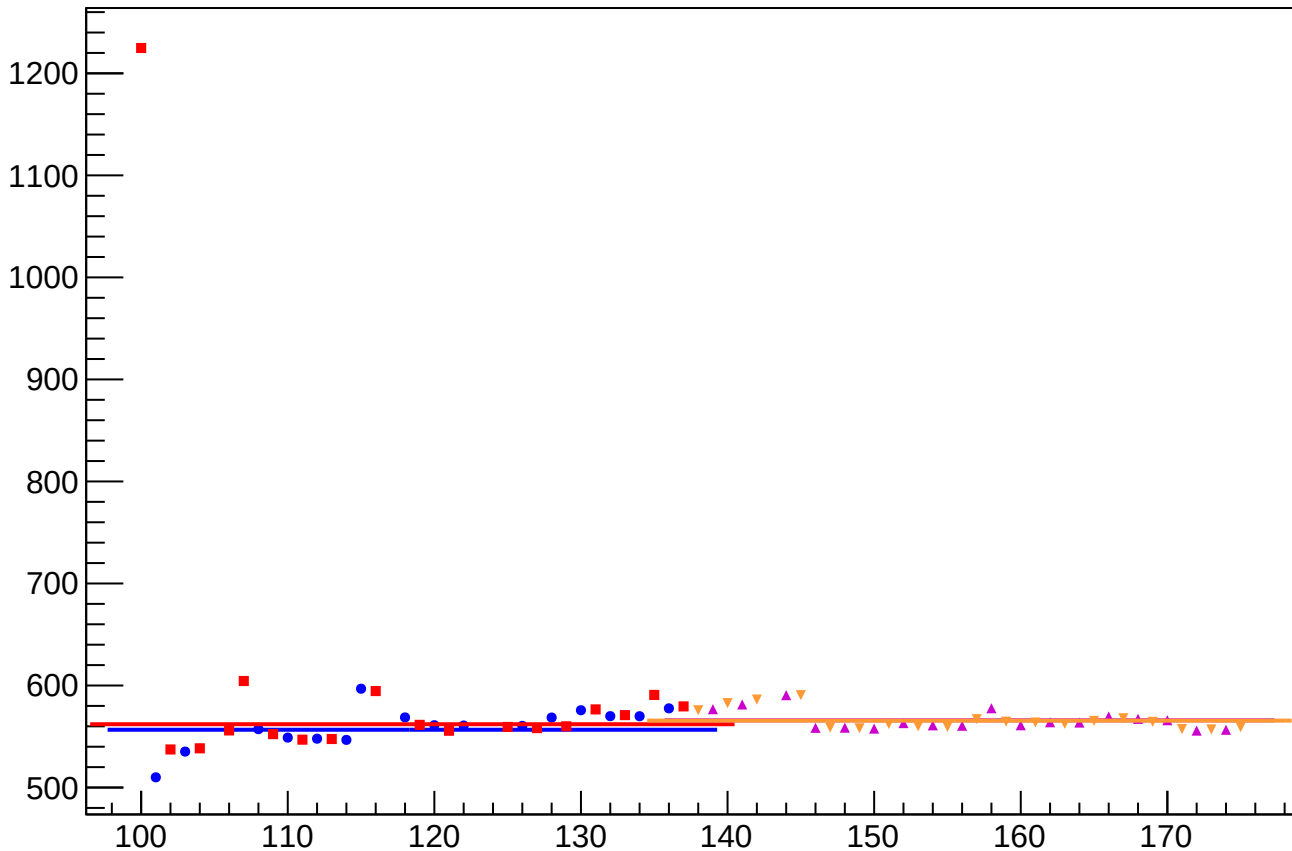
Right: 905.821 $\pm$ 151.634 χ^2 /NDF: 19.2/33

In: 872.620 $\pm$ 123.743 χ^2 /NDF:25.6/33

Out: 878.055 $\pm$ 121.980 χ^2 /NDF:31.4/36

All: 875.377 $\pm$ 86.869 χ^2 /NDF: 57.0/70

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 565.585 $\pm$ 0.105 χ^2 /NDF: 7636.7/18

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

Left In: 565.889 $\pm$ 0.107 χ^2 /NDF: 7781.6/17

Left: 565.735 $\pm$ 0.075 χ^2 /NDF: 15422.4/36

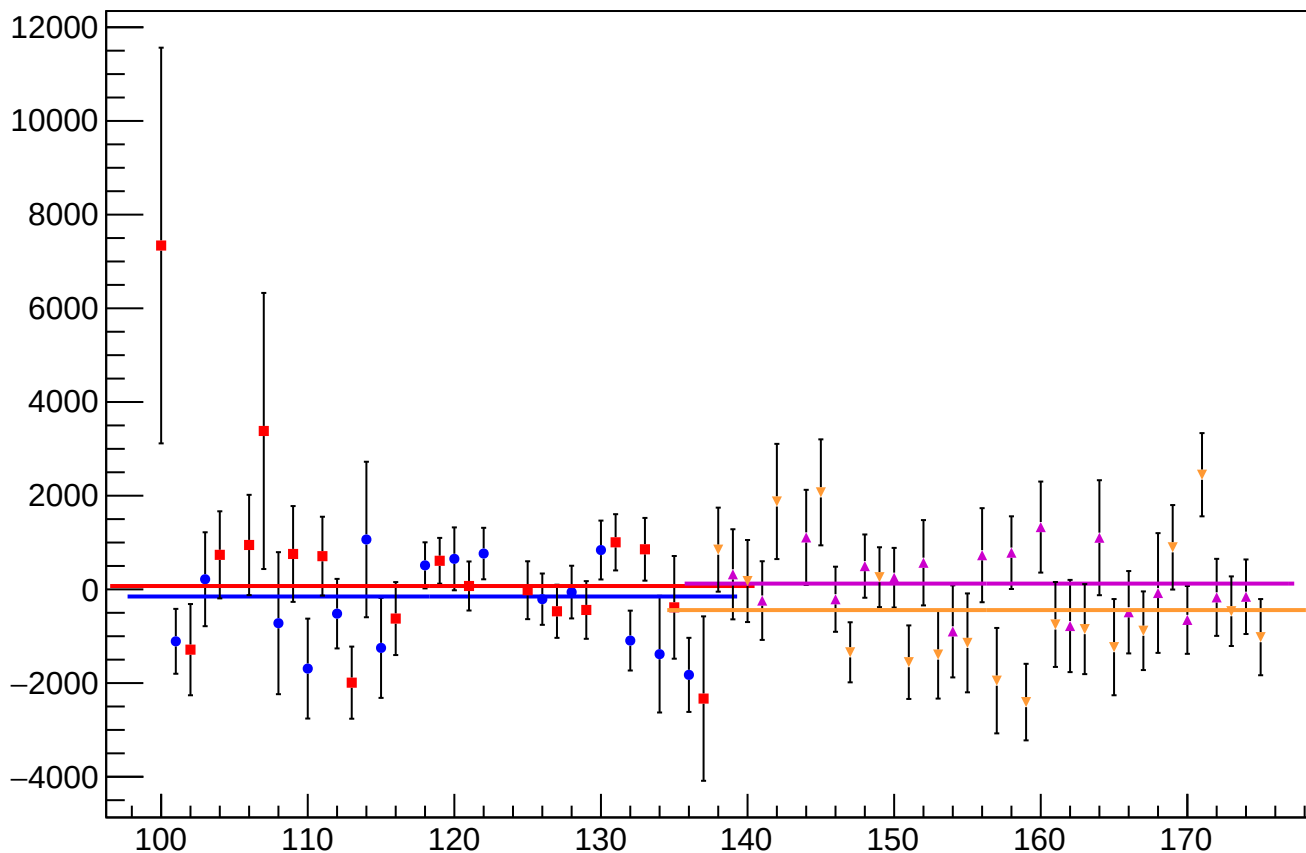
Right: 559.386 $\pm$ 0.107 χ^2 /NDF: 74603.5/33

In: 562.858 $\pm$ 0.087 χ^2 /NDF: 28636.1/33

Out: 564.422 $\pm$ 0.086 χ^2 /NDF: 63583.0/36

All: 563.651 $\pm$ 0.061 χ^2 /NDF: 92381.2/70

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -441.888+/-198.830 χ^2/NDF :39.7/18

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

Left In: 123.397+/-201.136 χ^2/NDF :9.1/17

Left: -162.505+/-141.402 χ^2/NDF : 52.8/36

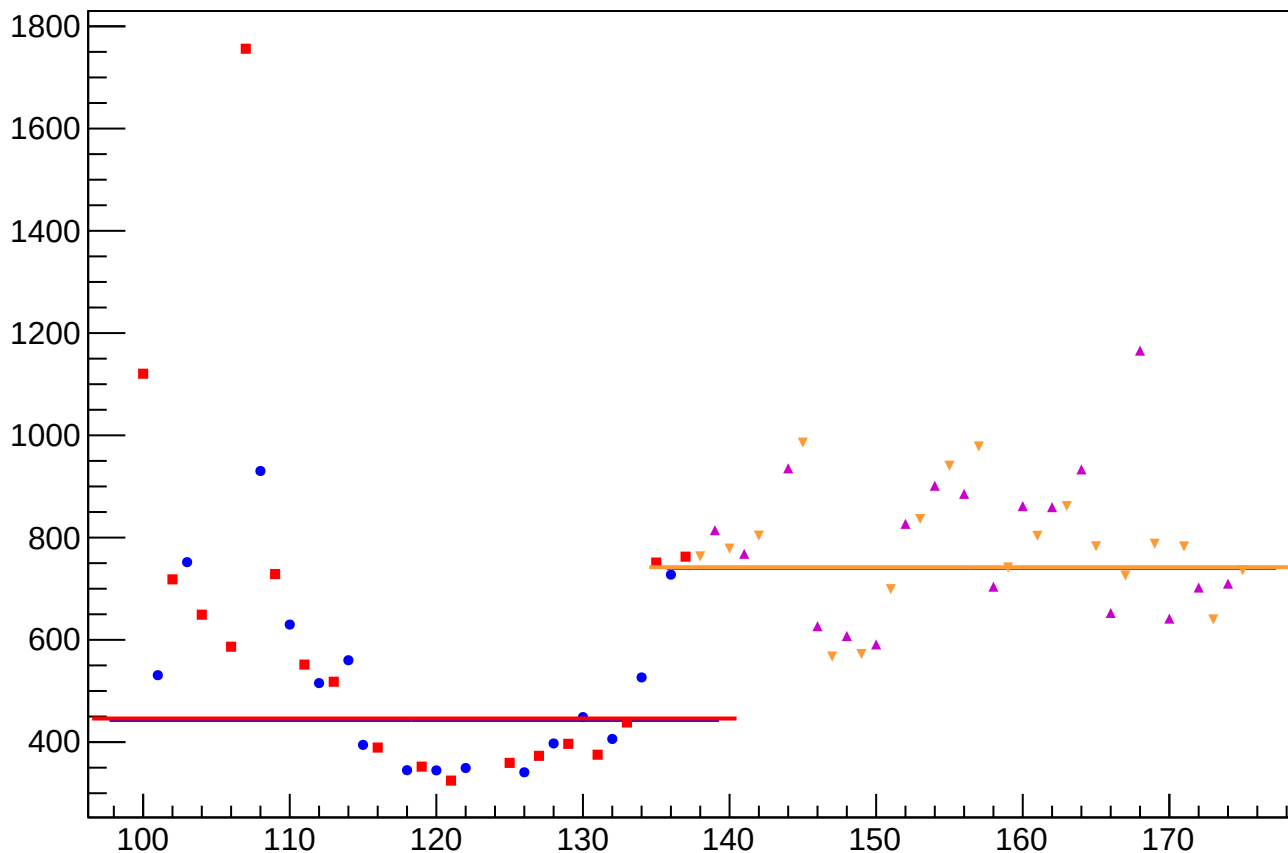
Right: -39.177+/-126.832 χ^2/NDF : 48.1/33

In: -29.399+/-134.164 χ^2/NDF :32.4/33

Out: -157.705+/-132.894 χ^2/NDF :68.4/36

All: -94.162+/-94.416 χ^2/NDF : 101.3/70

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 742.030+/-0.141 χ^2/NDF : 668354.2/18

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

Left In: 740.477+/-0.142 χ^2/NDF : 842492.8/17

Left: 741.262+/-0.100 χ^2/NDF : 1510907.3/36

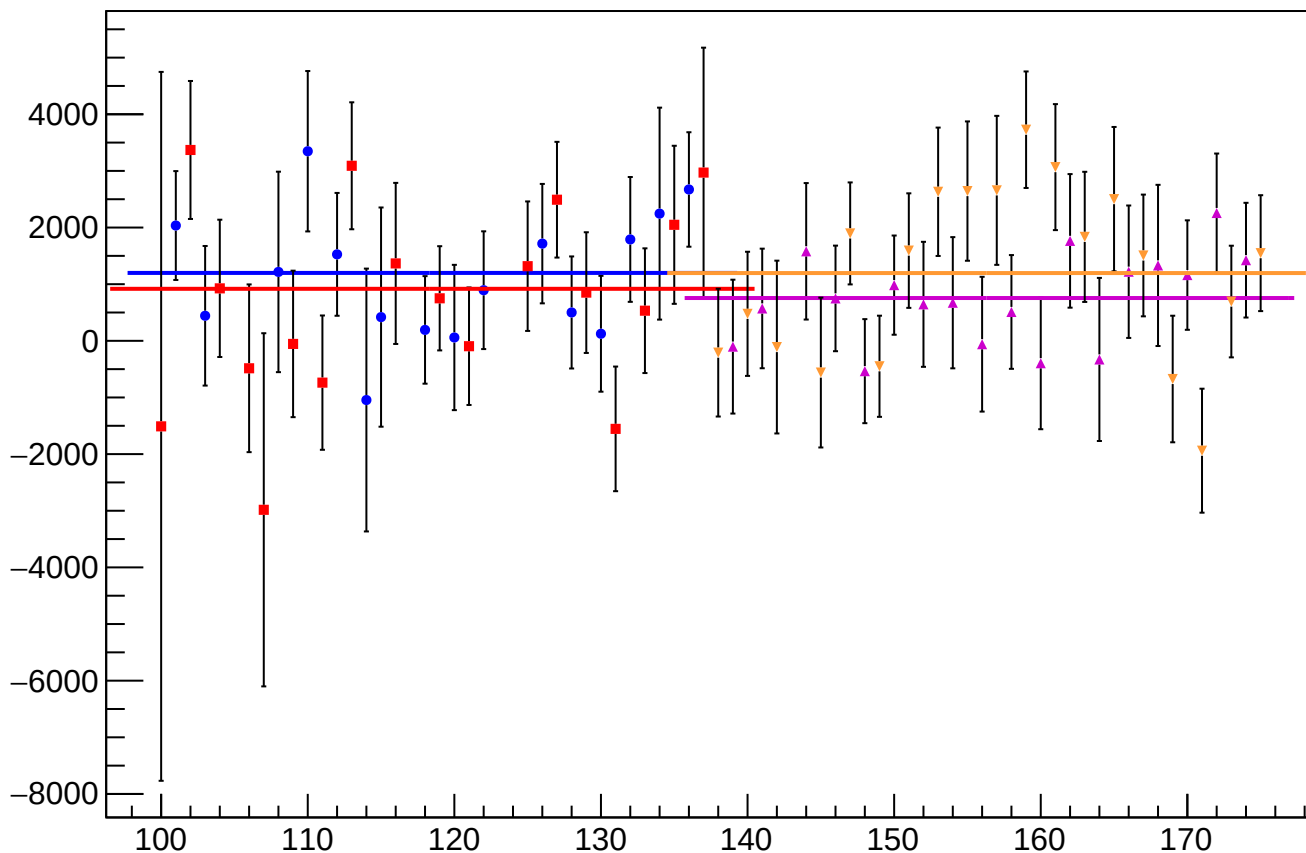
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

In: 575.606+/-0.095 χ^2/NDF : 4324387.9/33

Out: 578.329+/-0.094 χ^2/NDF : 4578763.1/36

All: 576.980+/-0.067 χ^2/NDF : 8903566.7/70

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 1196.495 $\pm$ 252.245 χ^2 /NDF:34.6/18

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

Left In: 755.744 $\pm$ 255.452 χ^2 /NDF:8.9/17

Left: 978.904 $\pm$ 179.487 χ^2 /NDF: 44.9/36

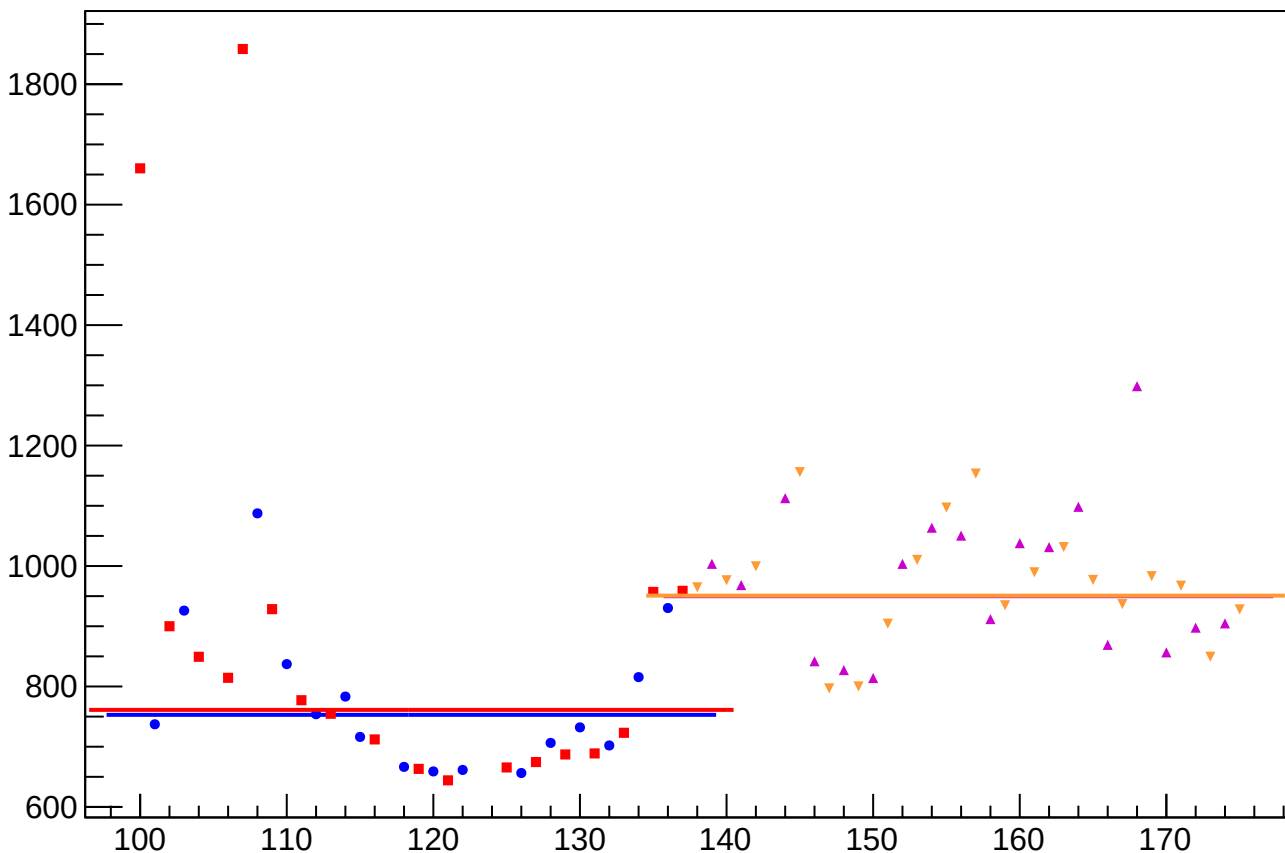
Right: 1057.763 $\pm$ 208.076 χ^2 /NDF: 34.9/33

In: 945.498 $\pm$ 193.180 χ^2 /NDF:21.4/33

Out: 1078.260 $\pm$ 191.244 χ^2 /NDF:58.3/36

All: 1012.548 $\pm$ 135.909 χ^2 /NDF: 79.9/70

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 950.866 $\pm$ 0.178 χ^2/NDF : 290710.6/18

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

Left In: 949.874 $\pm$ 0.181 χ^2/NDF : 392584.5/17

Left: 950.376 $\pm$ 0.127 χ^2/NDF : 683310.3/36

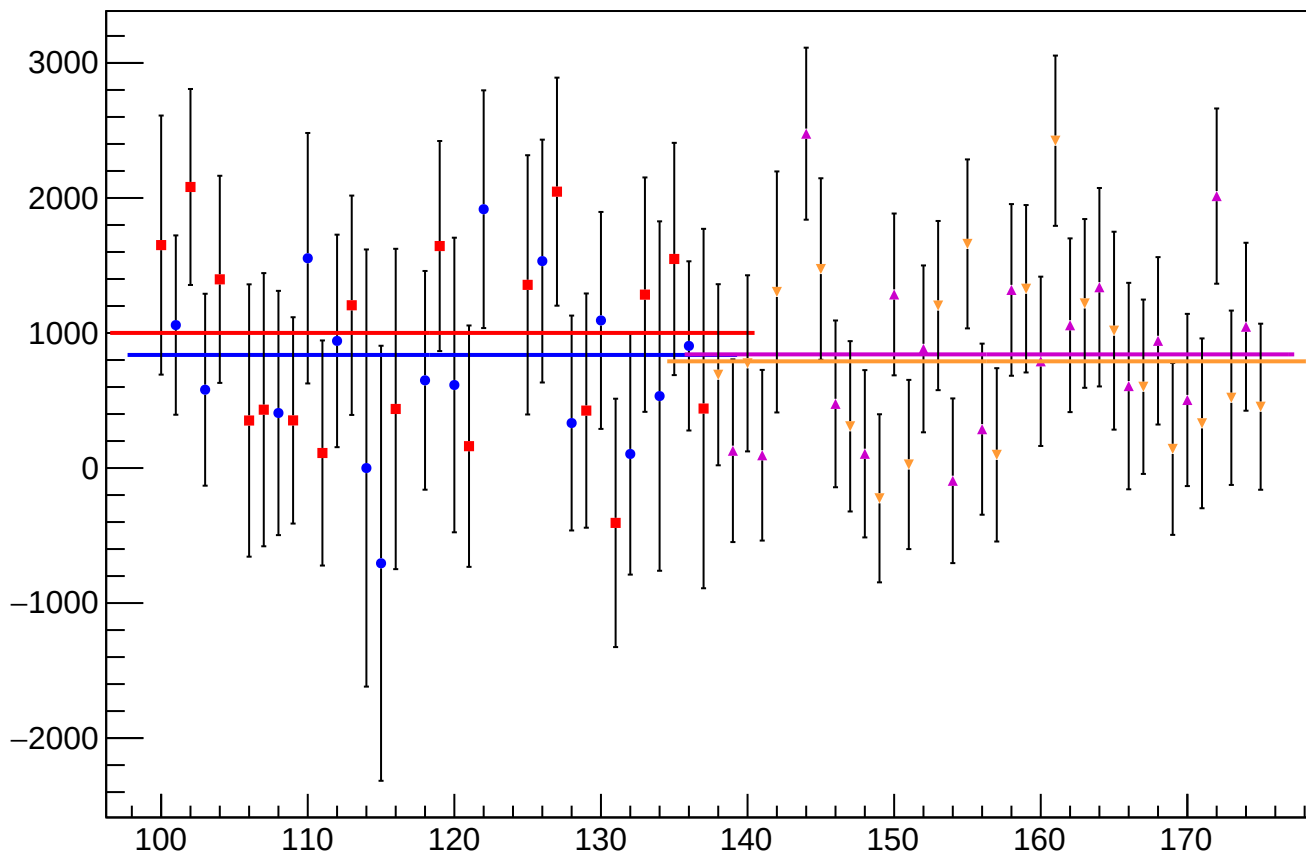
Right: 757.076 $\pm$ 0.147 χ^2/NDF : 770443.9/33

In: 865.561 $\pm$ 0.137 χ^2/NDF : 1154005.2/33

Out: 870.207 $\pm$ 0.135 χ^2/NDF : 1288816.2/36

All: 867.908 $\pm$ 0.096 χ^2/NDF : 2443405.7/70

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 790.234 $\pm$ 148.759 χ^2 /NDF:19.8/18

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

Left In: 841.721 $\pm$ 150.786 χ^2 /NDF:19.4/17

Left: 815.629 $\pm$ 105.898 χ^2 /NDF: 39.3/36

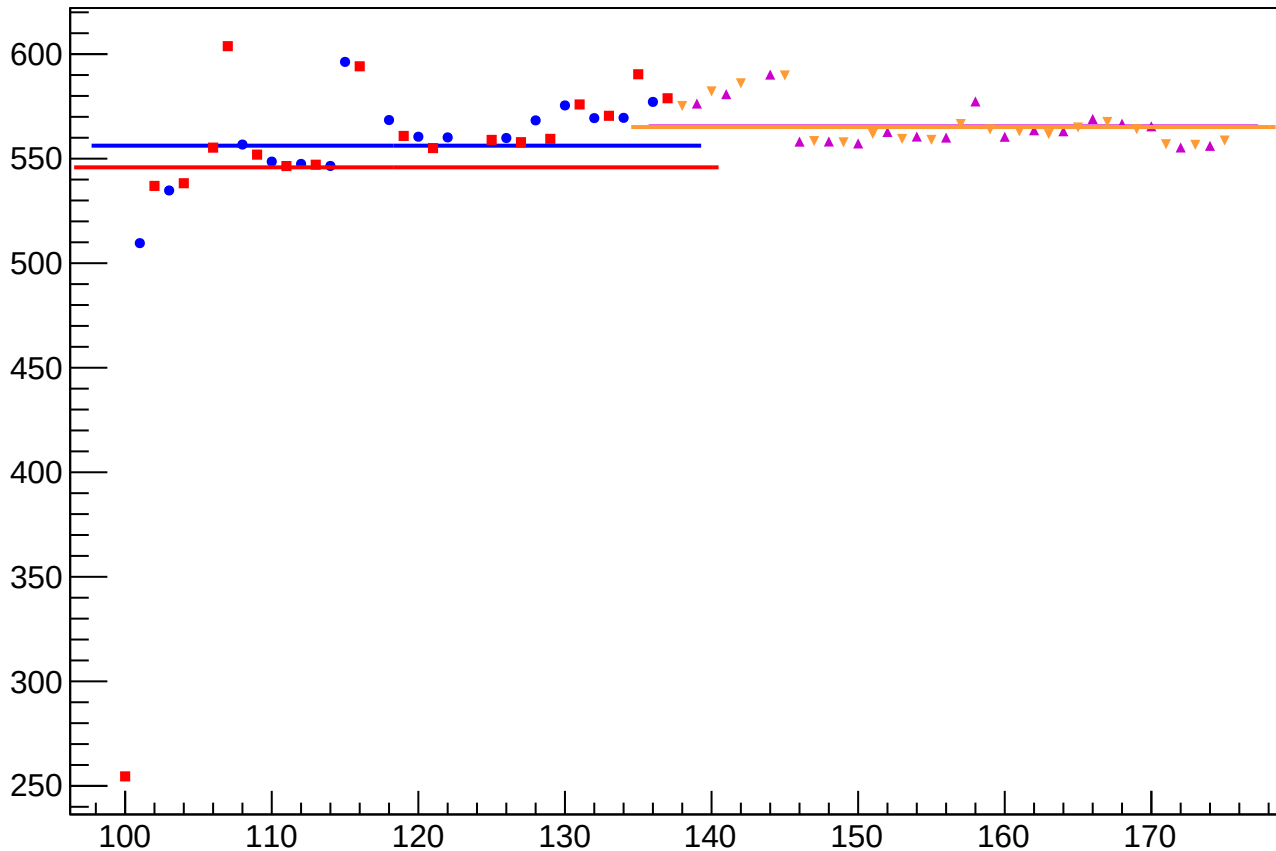
Right: 922.267 $\pm$ 149.737 χ^2 /NDF: 18.5/33

In: 840.357 $\pm$ 123.643 χ^2 /NDF:25.2/33

Out: 861.543 $\pm$ 120.949 χ^2 /NDF:33.0/36

All: 851.183 $\pm$ 86.460 χ^2 /NDF: 58.2/70

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 565.117 $\pm$ 0.105 χ^2 /NDF: 7570.9/18

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

Left In: 565.421 $\pm$ 0.107 χ^2 /NDF: 7811.9/17

Left: 565.267 $\pm$ 0.075 χ^2 /NDF: 15386.9/36

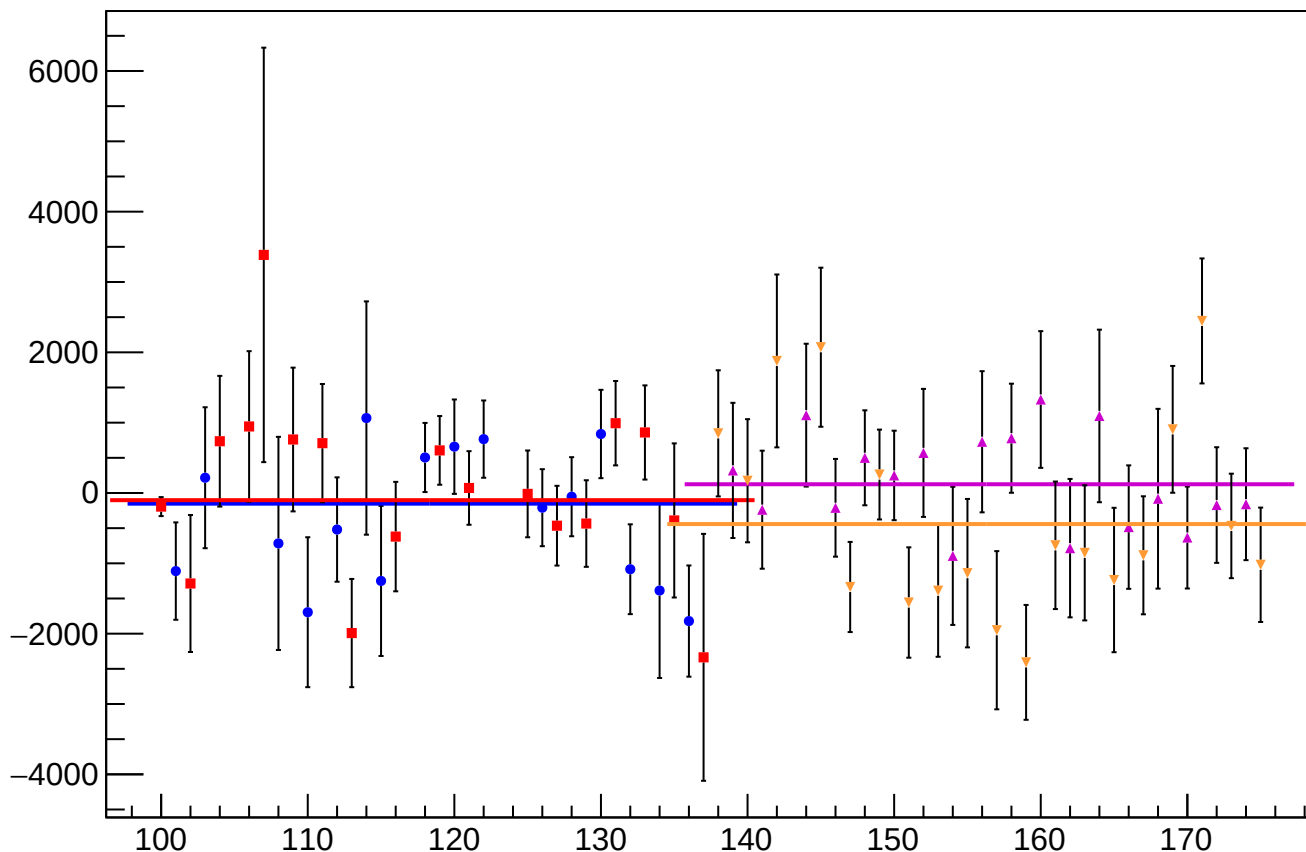
Right: 550.825 $\pm$ 0.106 χ^2 /NDF: 228450.1/33

In: 562.403 $\pm$ 0.087 χ^2 /NDF: 28674.0/33

Out: 558.585 $\pm$ 0.086 χ^2 /NDF: 226589.9/36

All: 560.452 $\pm$ 0.061 χ^2 /NDF: 256238.5/70

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -441.802 $\pm$ 198.748 χ^2/NDF : 39.8/18

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

Left In: 124.394 $\pm$ 201.047 χ^2/NDF : 9.0/17

Left: -161.959 $\pm$ 141.342 χ^2/NDF : 52.8/36

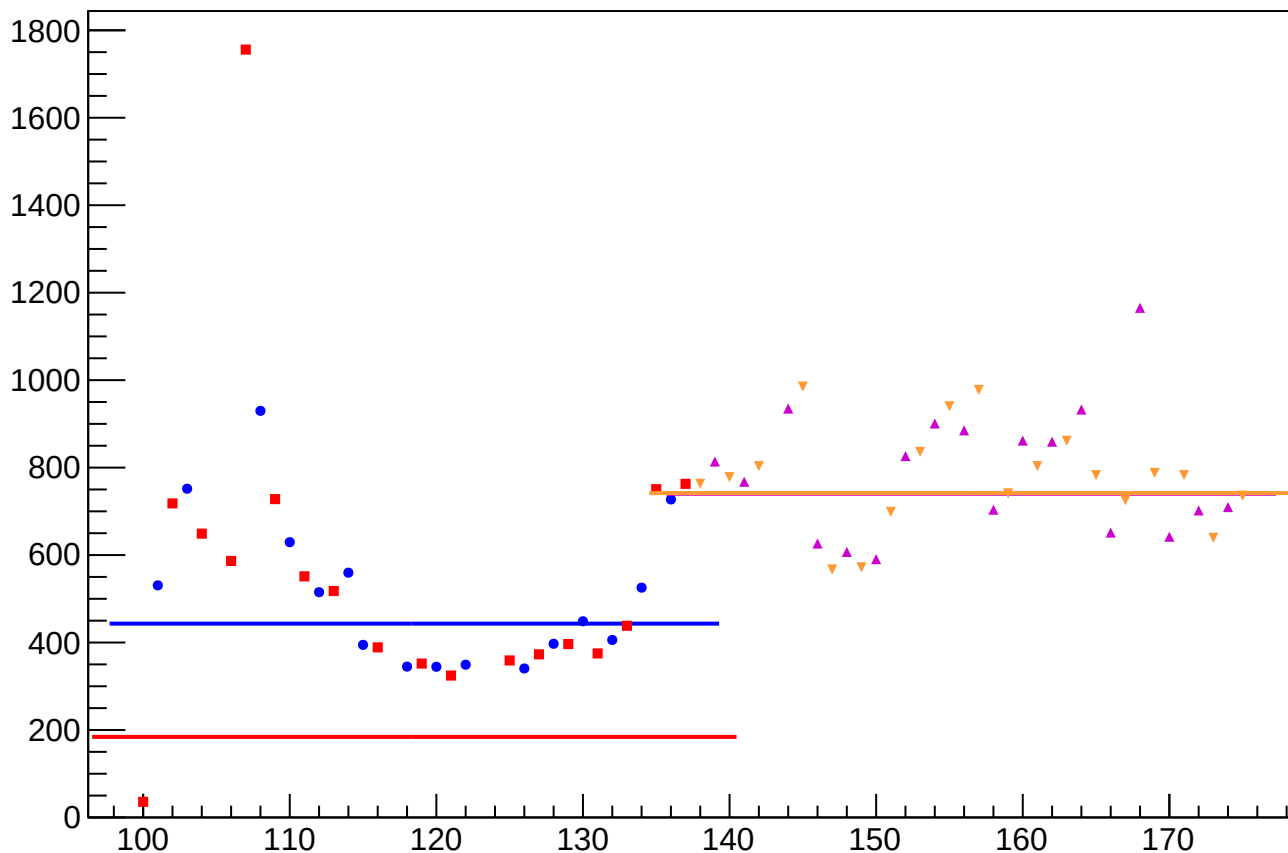
Right: -115.099 $\pm$ 92.423 χ^2/NDF : 45.6/33

In: -28.730 $\pm$ 134.101 χ^2/NDF : 32.3/33

Out: -179.201 $\pm$ 94.696 χ^2/NDF : 65.3/36

All: -129.135 $\pm$ 77.354 χ^2/NDF : 98.5/70

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 741.739+/-0.141 χ^2/NDF : 668996.3/18

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

Left In: 740.145+/-0.142 χ^2/NDF : 842679.6/17

Left: 740.951+/-0.100 χ^2/NDF : 1511739.5/36

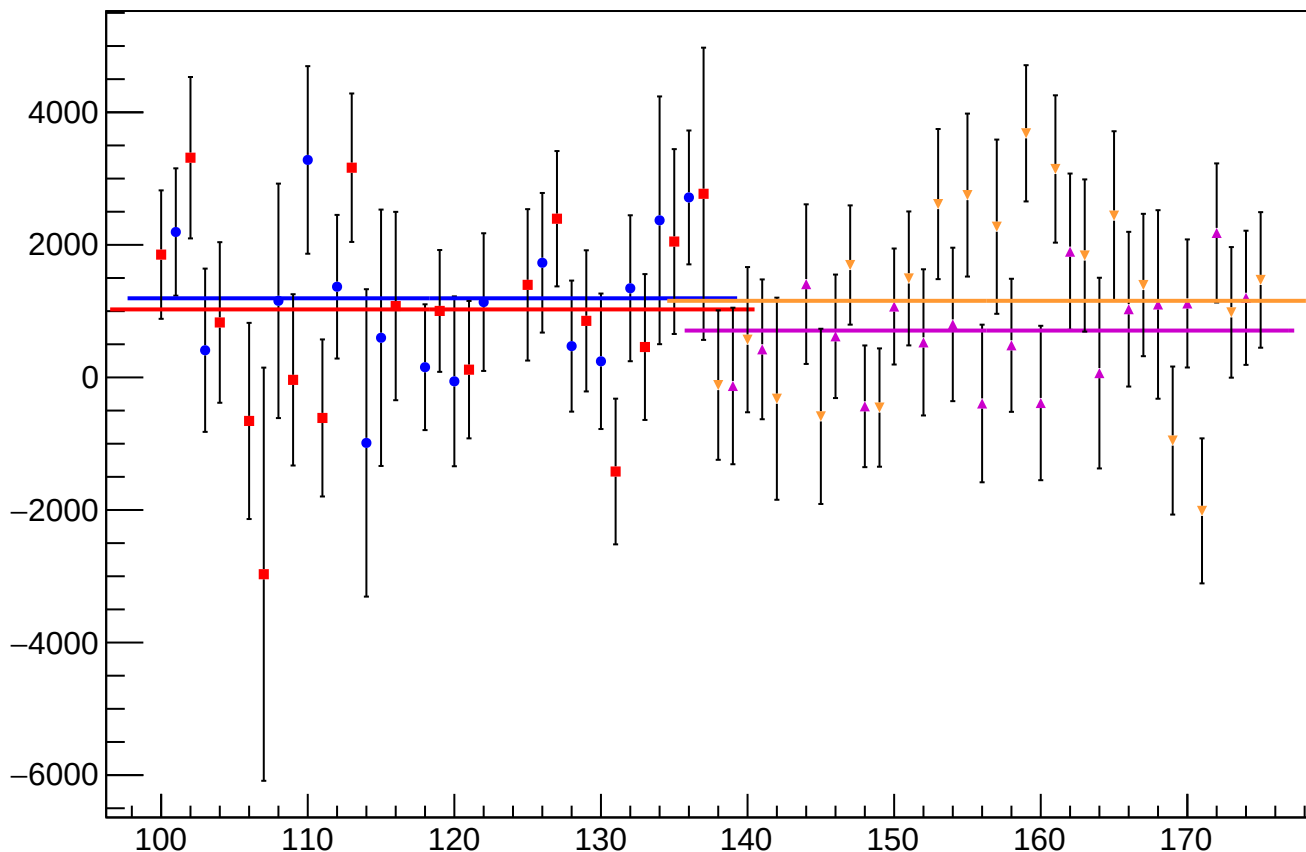
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

In: 575.335+/-0.095 χ^2/NDF : 4324683.9/33

Out: 310.781+/-0.067 χ^2/NDF : 20914039.1/36

All: 398.807+/-0.055 χ^2/NDF : 30432627.5/70

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1193.849 ± 295.046 $\chi^2/\text{NDF}: 11.2/15$

Left Out: 1155.783 ± 252.102 $\chi^2/\text{NDF}: 34.8/18$

Right Out: 1026.130 ± 280.822 $\chi^2/\text{NDF}: 22.5/17$

Left In: 707.109 ± 255.303 $\chi^2/\text{NDF}: 8.2/17$

Left: 934.276 ± 179.384 $\chi^2/\text{NDF}: 44.6/36$

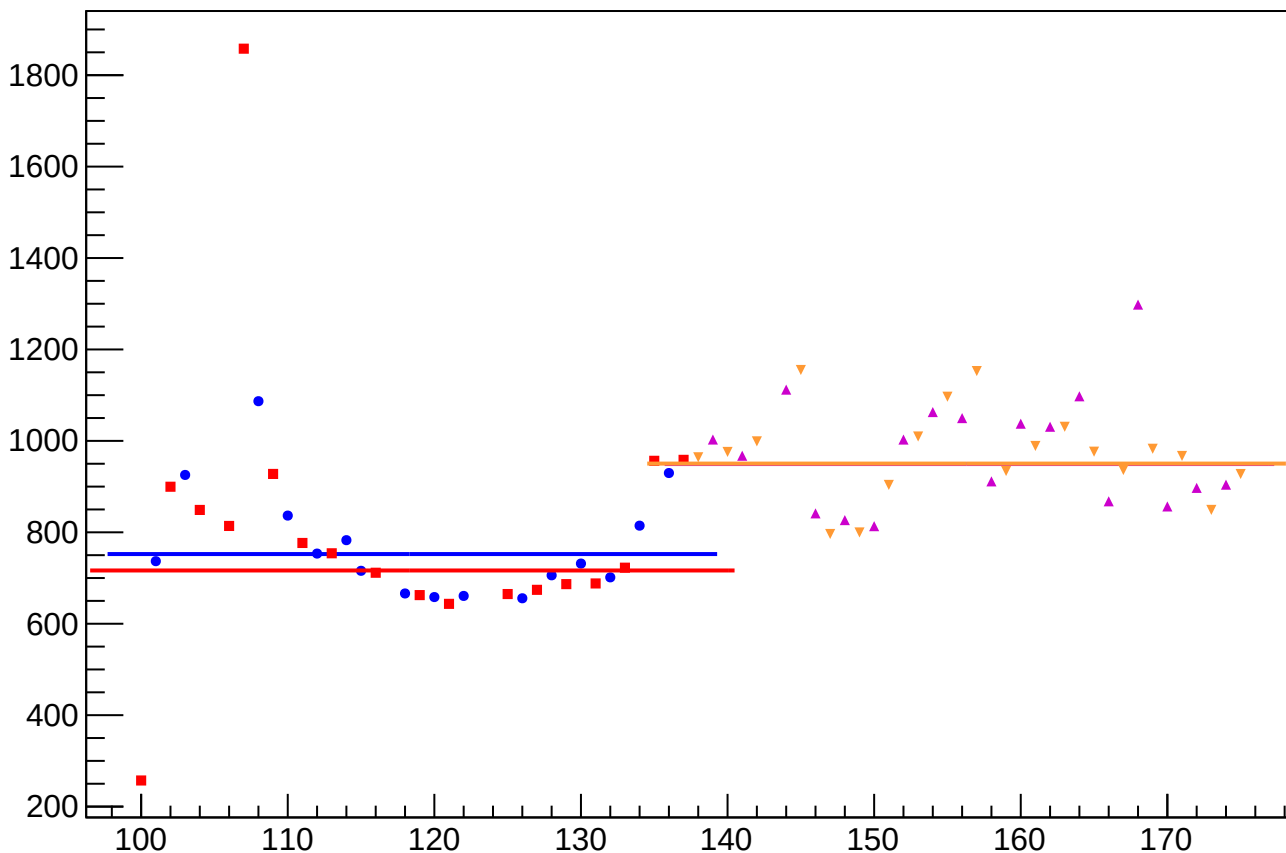
Right: 1105.849 ± 203.414 $\chi^2/\text{NDF}: 33.9/33$

In: 915.512 ± 193.060 $\chi^2/\text{NDF}: 20.9/33$

Out: 1097.923 ± 187.598 $\chi^2/\text{NDF}: 57.4/36$

All: 1009.335 ± 134.541 $\chi^2/\text{NDF}: 78.8/70$

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 950.339+/-0.178 χ^2/NDF : 290634.9/18

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

Left In: 949.312+/-0.181 χ^2/NDF : 392816.0/17

Left: 949.832+/-0.127 χ^2/NDF : 683467.2/36

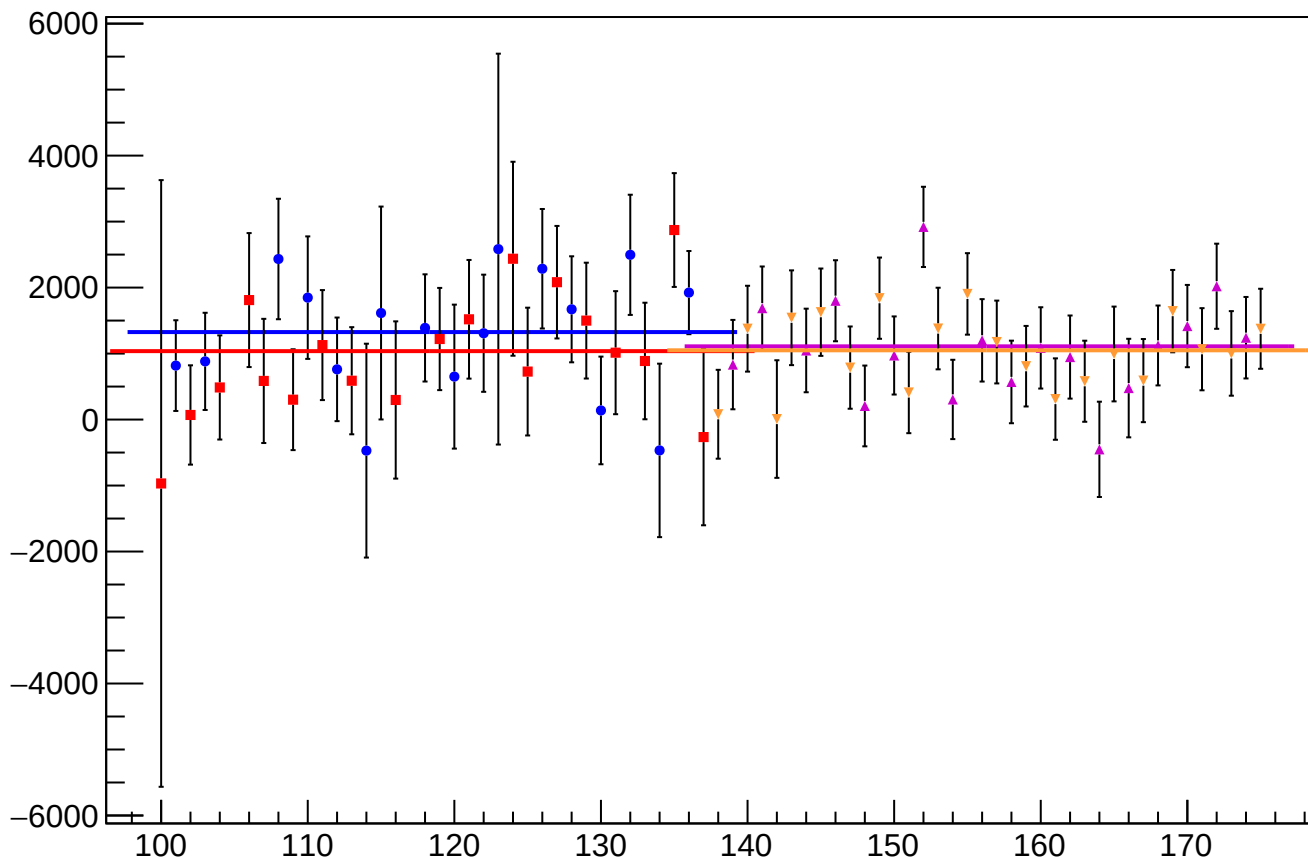
Right: 733.589+/-0.144 χ^2/NDF : 1235181.4/33

In: 865.014+/-0.137 χ^2/NDF : 1154787.1/33

Out: 845.994+/-0.133 χ^2/NDF : 2025320.6/36

All: 855.232+/-0.095 χ^2/NDF : 3190092.0/70

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1049.417 $\pm$ 143.748 χ^2 /NDF:14.0/19

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

Left In: 1109.523 $\pm$ 148.827 χ^2 /NDF:23.7/17

Left: 1078.427 $\pm$ 103.394 χ^2 /NDF: 37.7/37

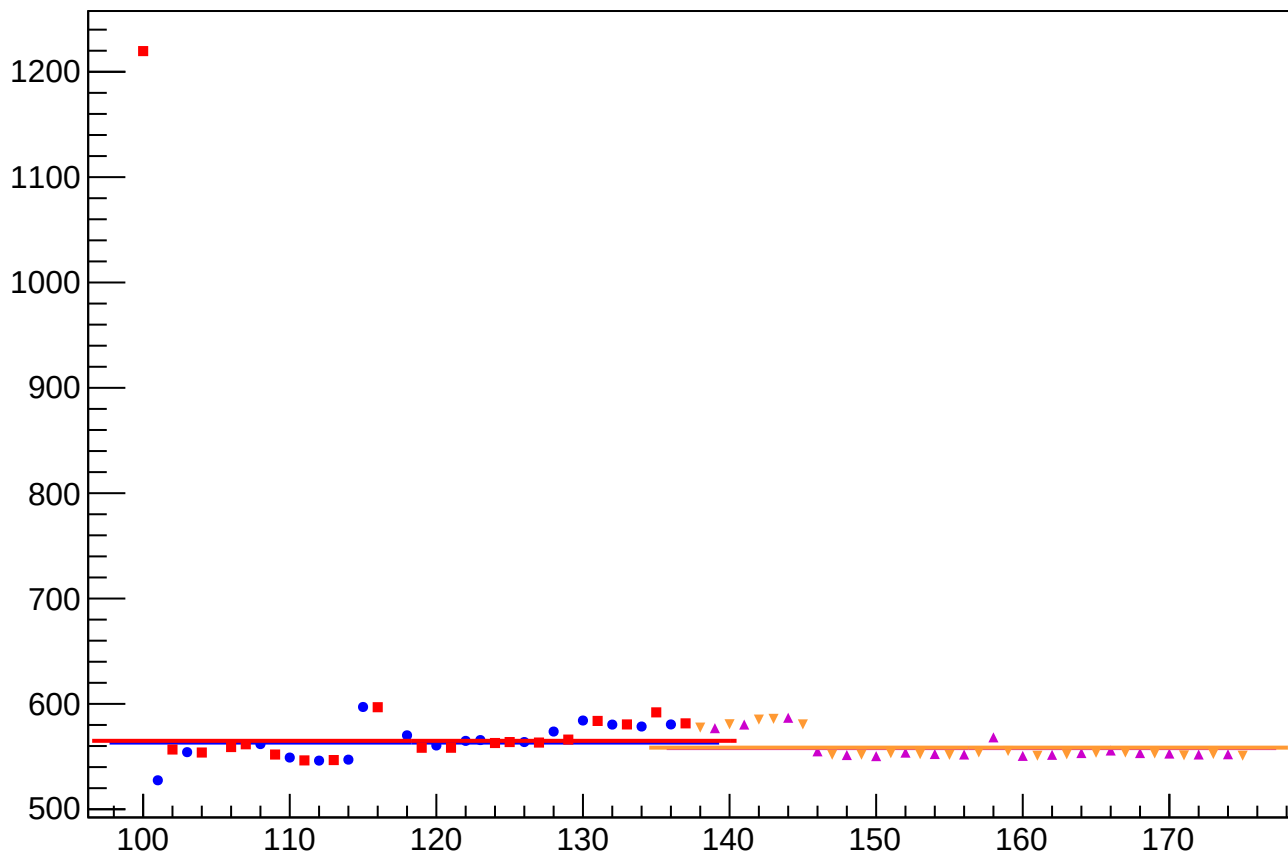
Right: 1177.020 $\pm$ 151.865 χ^2 /NDF: 27.2/35

In: 1178.225 $\pm$ 122.934 χ^2 /NDF:37.2/34

Out: 1045.504 $\pm$ 118.903 χ^2 /NDF:27.4/38

All: 1109.653 $\pm$ 85.467 χ^2 /NDF: 65.2/73

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 558.477 $\pm$ 0.102 χ^2 /NDF:13717.2/19

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

Left In: 558.045 $\pm$ 0.105 χ^2 /NDF:11020.0/17

Left: 558.268 $\pm$ 0.073 χ^2 /NDF: 24745.9/37

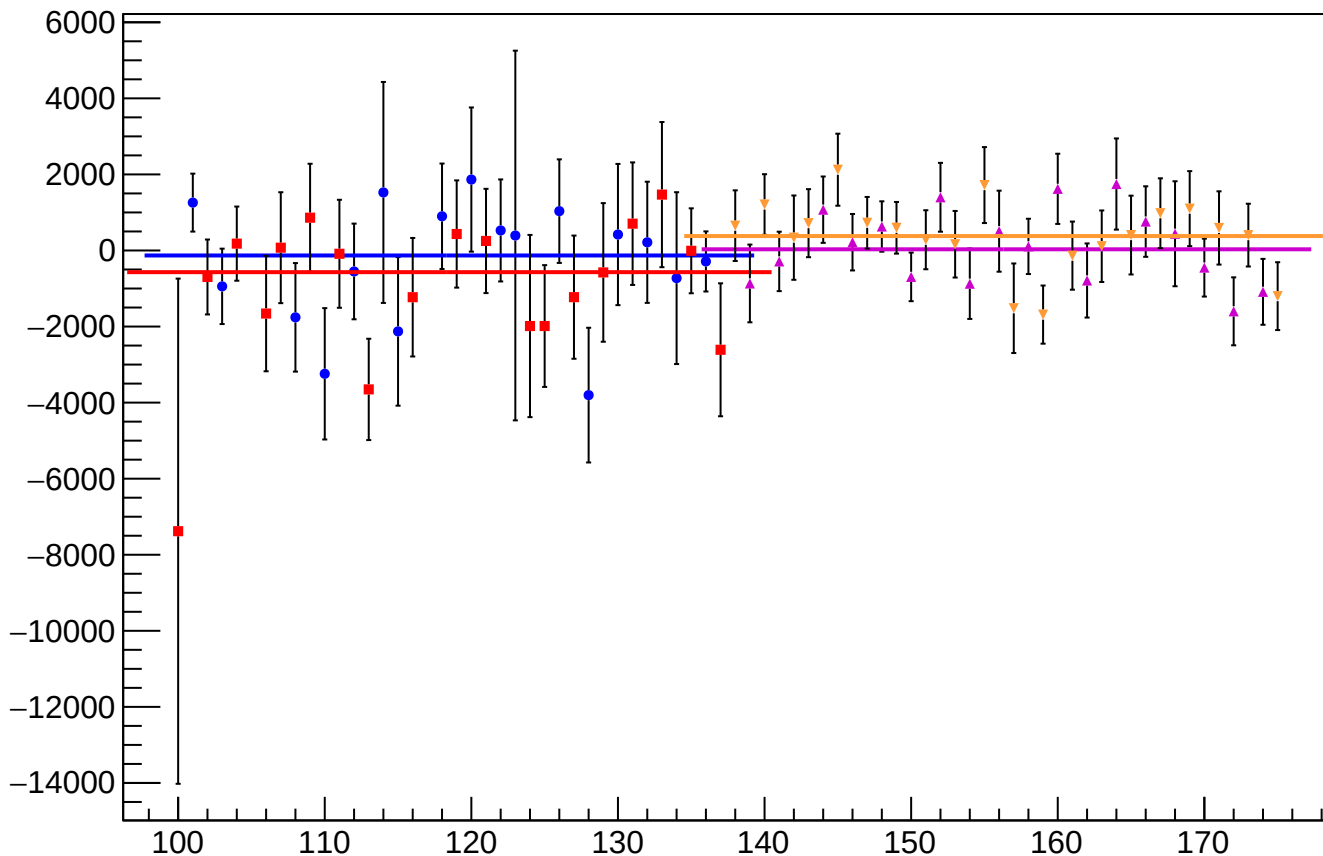
Right: 564.130 $\pm$ 0.107 χ^2 /NDF: 61877.2/35

In: 559.703 $\pm$ 0.087 χ^2 /NDF:24322.2/34

Out: 560.519 $\pm$ 0.084 χ^2 /NDF:64291.5/38

All: 560.125 $\pm$ 0.060 χ^2 /NDF: 88659.2/73

asym_right_avg_correction_mean vs Slug, Sign Corrected



Right In: -131.097+/-327.588 χ^2/NDF : 17.2/16

Left Out: 379.306+/-196.177 χ^2/NDF : 21.4/19

Right Out: -569.844+/-332.404 χ^2/NDF : 14.6/18

Left In: 31.019+/-201.888 χ^2/NDF : 19.8/17

Left: 210.159+/-140.694 χ^2/NDF : 42.8/37

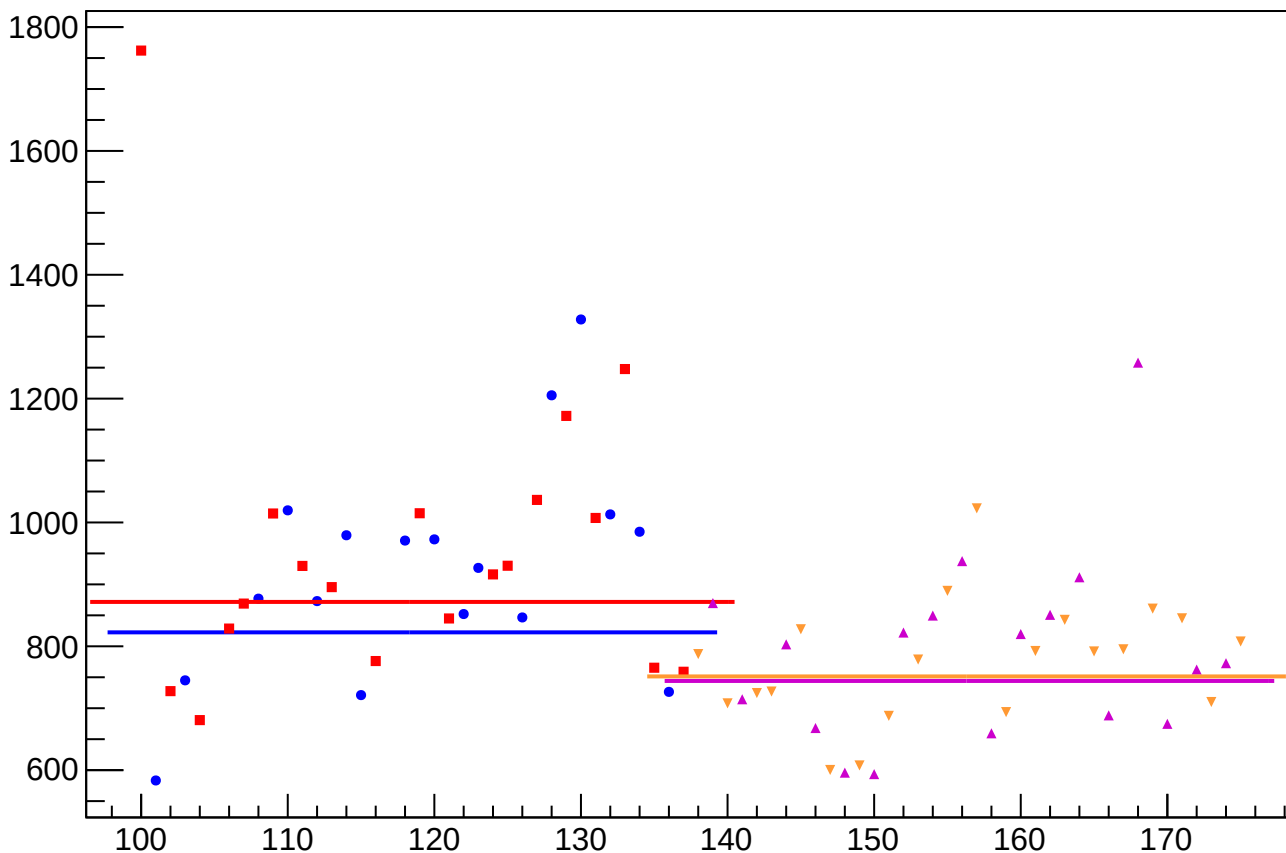
Right: -347.269+/-233.324 χ^2/NDF : 32.7/35

In: -13.606+/-171.870 χ^2/NDF : 37.2/34

Out: 134.113+/-168.948 χ^2/NDF : 42.0/38

All: 61.520+/-120.484 χ^2/NDF : 79.6/73

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 751.357+/-0.139 χ^2/NDF : 471938.9/19

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

Left In: 744.056+/-0.143 χ^2/NDF : 788863.8/17

Left: 747.811+/-0.099 χ^2/NDF : 1262148.2/37

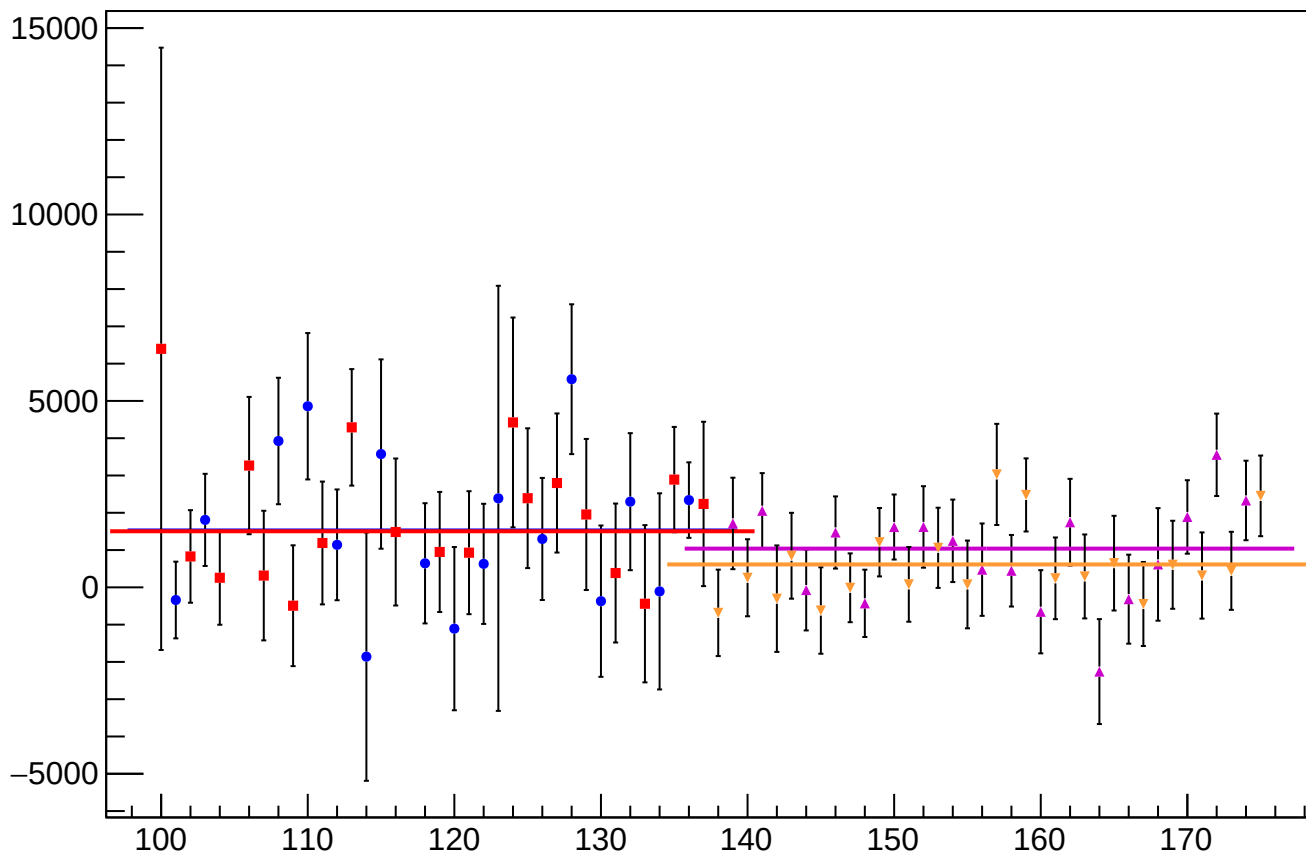
Right: 846.744+/-0.165 χ^2/NDF : 1029998.2/35

In: 765.656+/-0.122 χ^2/NDF : 1472991.8/34

Out: 782.440+/-0.119 χ^2/NDF : 1073152.9/38

All: 774.192+/-0.085 χ^2/NDF : 2555844.5/73

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 614.582+/-246.469 χ^2/NDF : 15.4/19

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

Left In: 1038.672+/-254.691 χ^2/NDF : 23.5/17

Left: 819.671+/-177.115 χ^2/NDF : 40.3/37

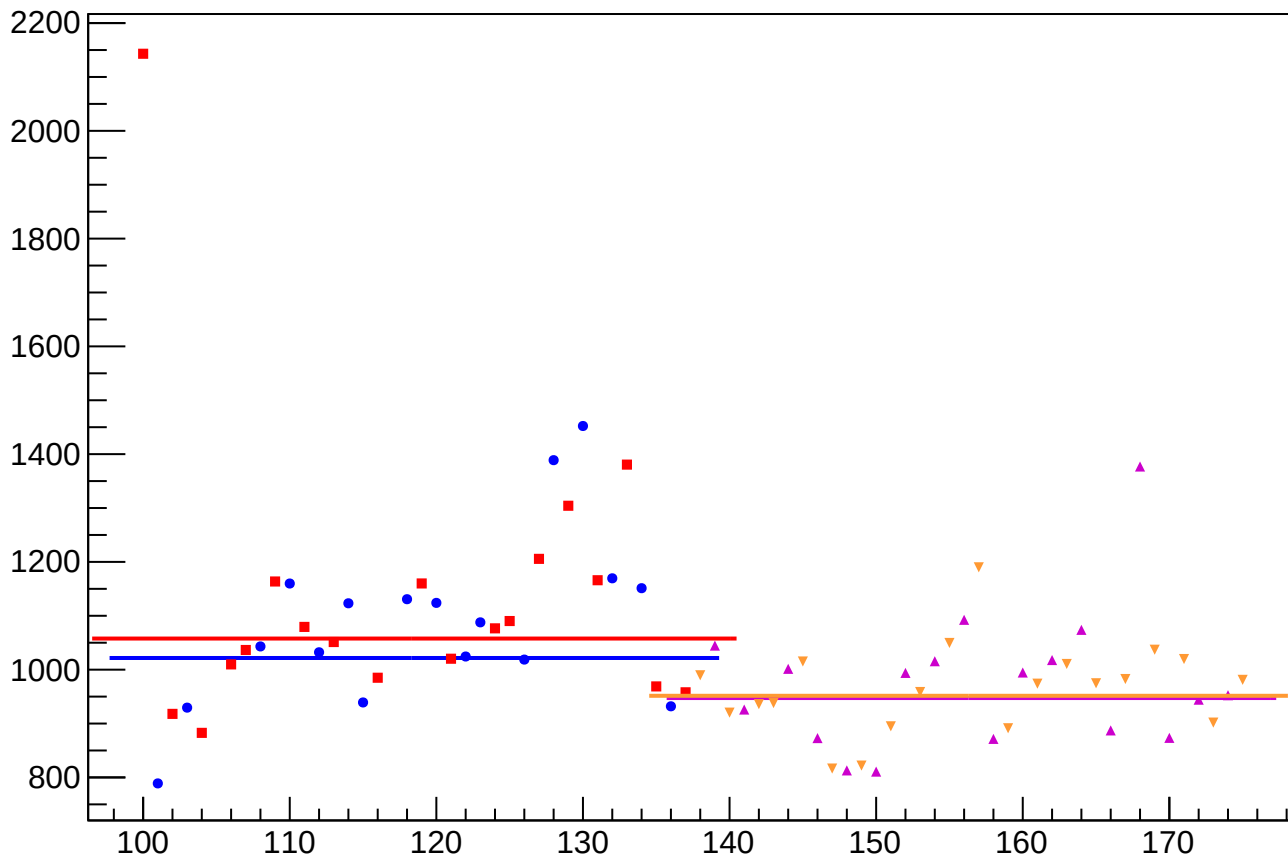
Right: 1514.890+/-283.454 χ^2/NDF : 30.4/35

In: 1178.212+/-215.113 χ^2/NDF : 42.8/34

Out: 859.492+/-209.827 χ^2/NDF : 31.1/38

All: 1014.888+/-150.204 χ^2/NDF : 75.0/73

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 951.516+/-0.174 χ^2/NDF : 214949.8/19

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

Left In: 947.332+/-0.180 χ^2/NDF : 380402.8/17

Left: 949.493+/-0.125 χ^2/NDF : 595631.4/37

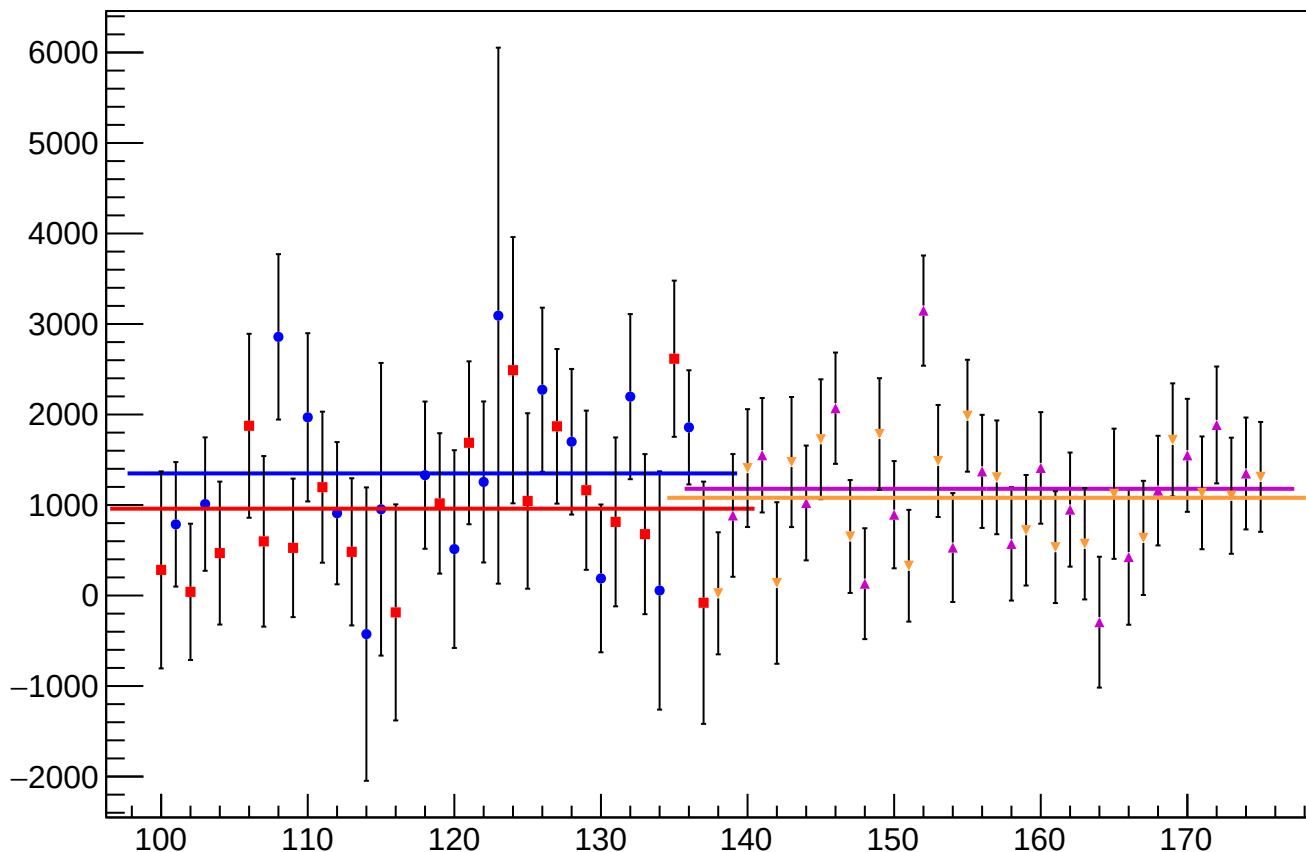
Right: 1039.788+/-0.200 χ^2/NDF : 570995.5/35

In: 968.639+/-0.152 χ^2/NDF : 761184.7/34

Out: 980.755+/-0.148 χ^2/NDF : 548156.6/38

All: 974.848+/-0.106 χ^2/NDF : 1312592.2/73

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1079.848 $\pm$ 143.896 χ^2 /NDF:14.6/19

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

Left In: 1179.041 $\pm$ 148.991 χ^2 /NDF:25.6/17

Left: 1127.720 $\pm$ 103.504 χ^2 /NDF: 40.4/37

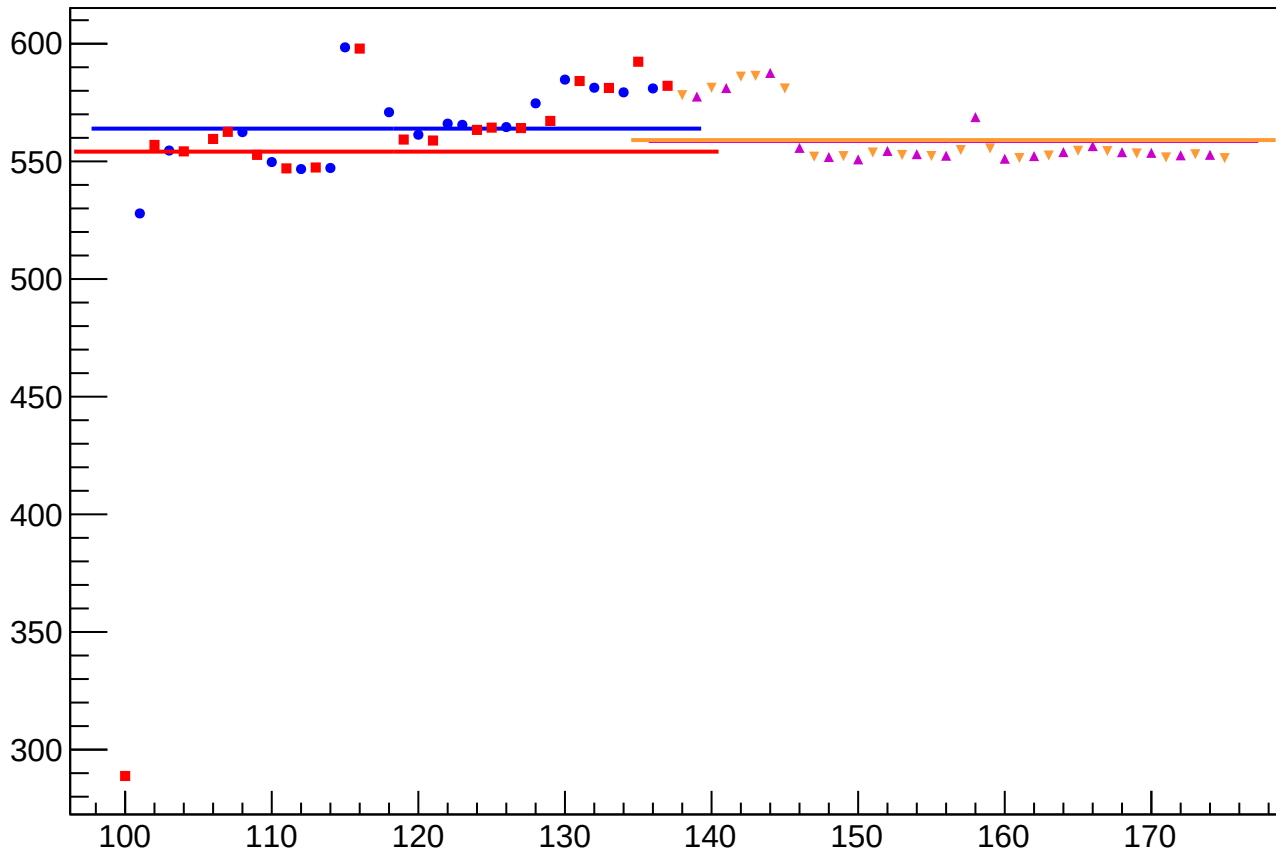
Right: 1144.995 $\pm$ 150.662 χ^2 /NDF: 26.2/35

In: 1233.080 $\pm$ 123.072 χ^2 /NDF:38.3/34

Out: 1040.928 $\pm$ 118.364 χ^2 /NDF:27.0/38

All: 1133.259 $\pm$ 85.312 χ^2 /NDF: 66.6/73

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 559.050 $\pm$ 0.102 χ^2 /NDF:13750.5/19

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

Left In: 558.657 $\pm$ 0.105 χ^2 /NDF:11100.4/17

Left: 558.860 $\pm$ 0.073 χ^2 /NDF: 24858.1/37

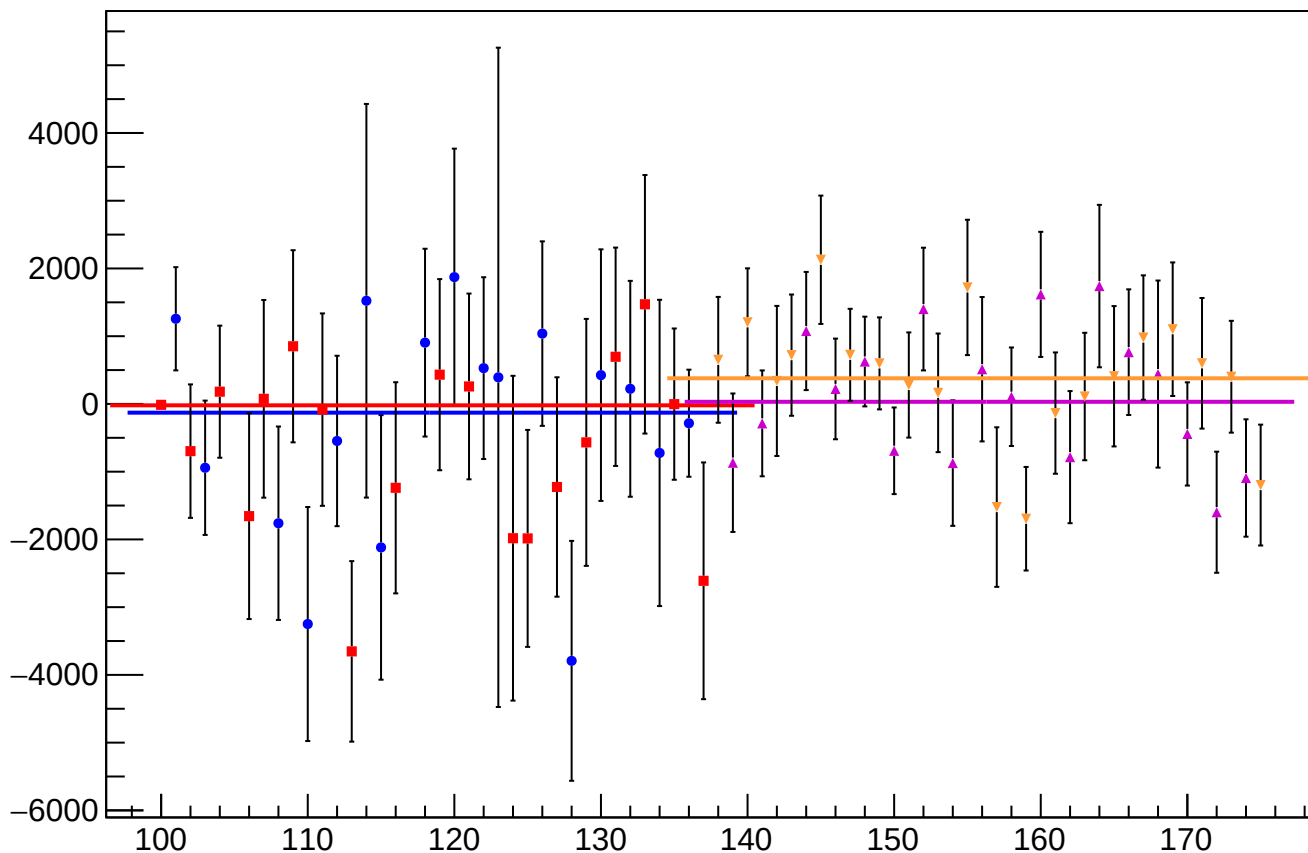
Right: 558.799 $\pm$ 0.107 χ^2 /NDF: 146729.2/35

In: 560.329 $\pm$ 0.087 χ^2 /NDF:24557.0/34

Out: 557.463 $\pm$ 0.084 χ^2 /NDF:146467.1/38

All: 558.841 $\pm$ 0.060 χ^2 /NDF: 171587.5/73

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 378.870+/-196.242 χ^2/NDF : 21.5/19

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

Left In: 31.679+/-201.985 χ^2/NDF : 19.8/17

Left: 210.280+/-140.750 χ^2/NDF : 42.8/37

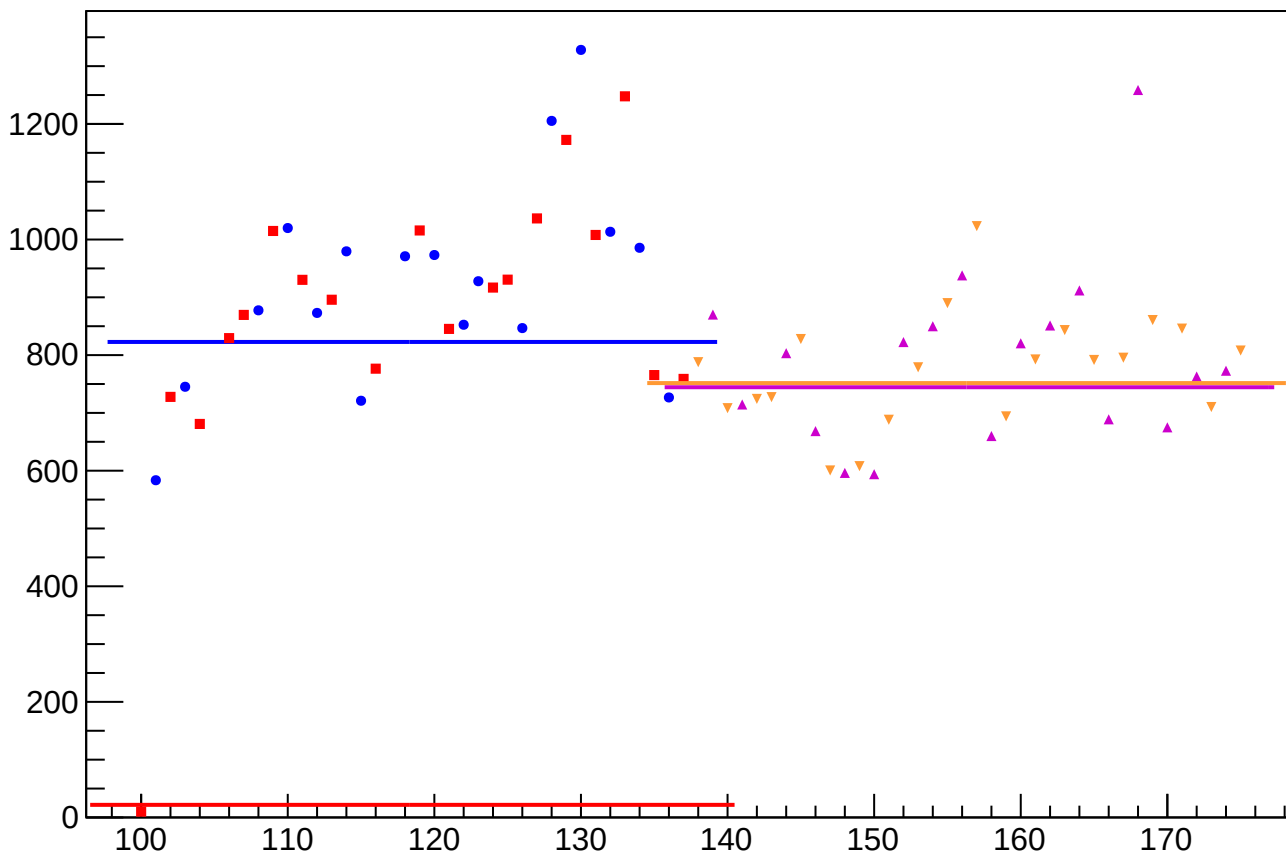
Right: -21.894+/-38.682 χ^2/NDF : 33.4/35

In: -12.485+/-171.944 χ^2/NDF : 37.1/34

Out: -5.249+/-38.209 χ^2/NDF : 41.6/38

All: -5.589+/-37.299 χ^2/NDF : 78.7/73

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 751.599+/-0.139 χ^2/NDF : 471984.1/19

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

Left In: 744.418+/-0.143 χ^2/NDF : 788594.4/17

Left: 748.112+/-0.100 χ^2/NDF : 1261878.8/37

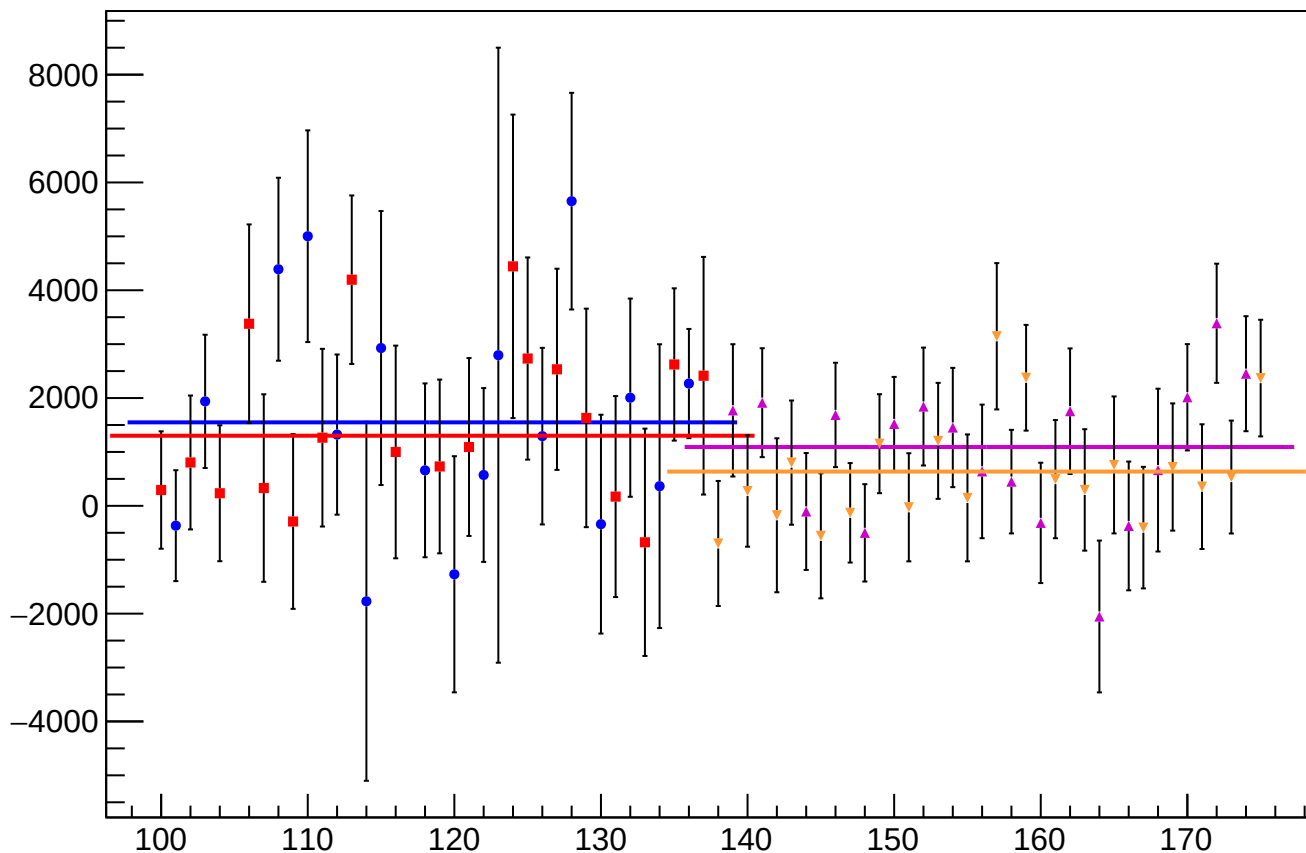
Right: 32.973+/-0.027 χ^2/NDF : 25907183.1/35

In: 765.994+/-0.122 χ^2/NDF : 1472348.9/34

Out: 49.478+/-0.027 χ^2/NDF : 40606170.4/38

All: 83.194+/-0.026 χ^2/NDF : 75174319.4/73

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 635.613 $\pm$ 246.608 χ^2 /NDF: 14.9/19

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

Left In: 1091.462 $\pm$ 254.868 χ^2 /NDF: 22.4/17

Left: 856.031 $\pm$ 177.226 χ^2 /NDF: 38.9/37

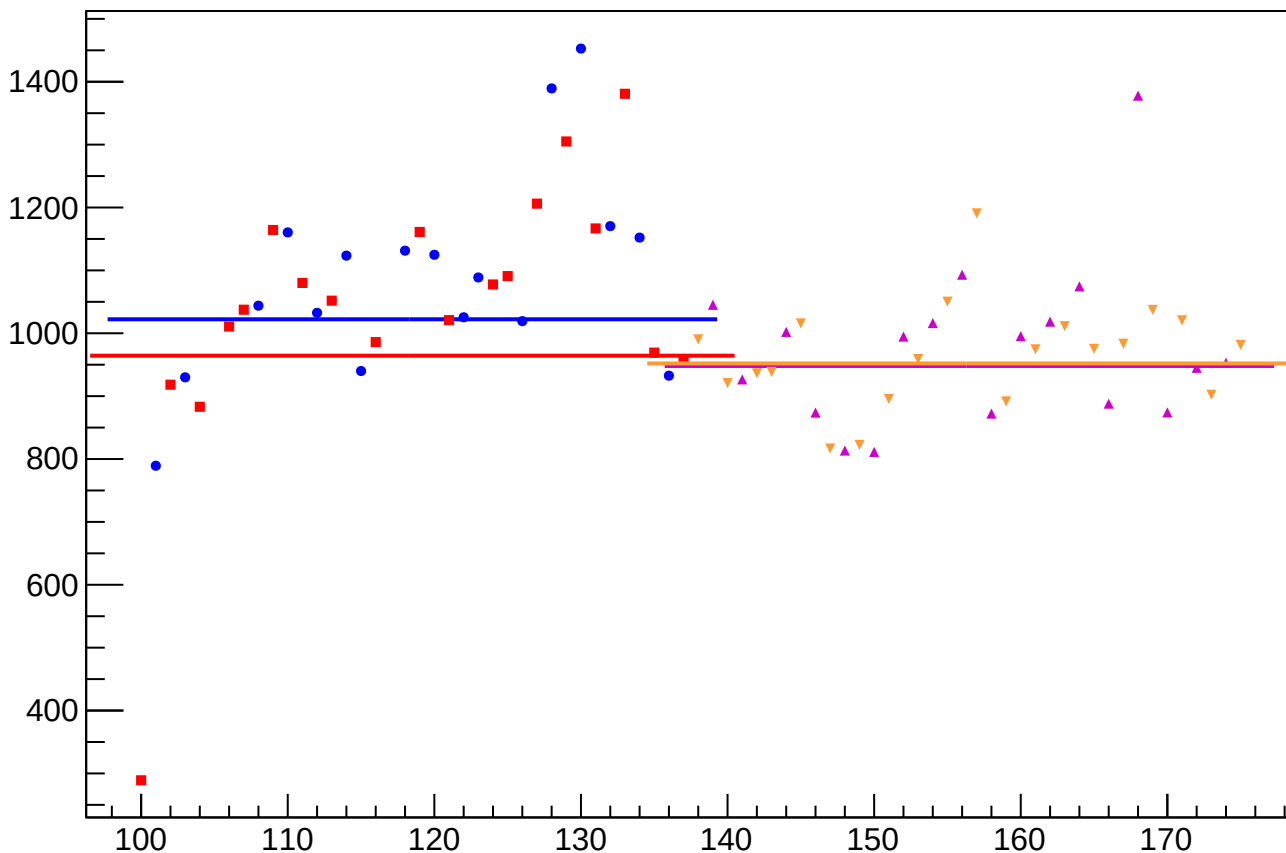
Right: 1416.645 $\pm$ 274.624 χ^2 /NDF: 31.7/35

In: 1222.603 $\pm$ 215.254 χ^2 /NDF: 42.3/34

Out: 835.700 $\pm$ 206.219 χ^2 /NDF: 29.6/38

All: 1020.862 $\pm$ 148.910 χ^2 /NDF: 73.6/73

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1022.241 $\pm$ 0.284 χ^2 /NDF: 331865.9/16

Left Out: 952.047 $\pm$ 0.174 χ^2 /NDF:215043.2/19

Right Out: 964.330 $\pm$ 0.266 χ^2 /NDF: 1067281.2/18

Left In: 947.998 $\pm$ 0.180 χ^2 /NDF:380114.5/17

Left: 950.089 $\pm$ 0.125 χ^2 /NDF: 595418.4/37

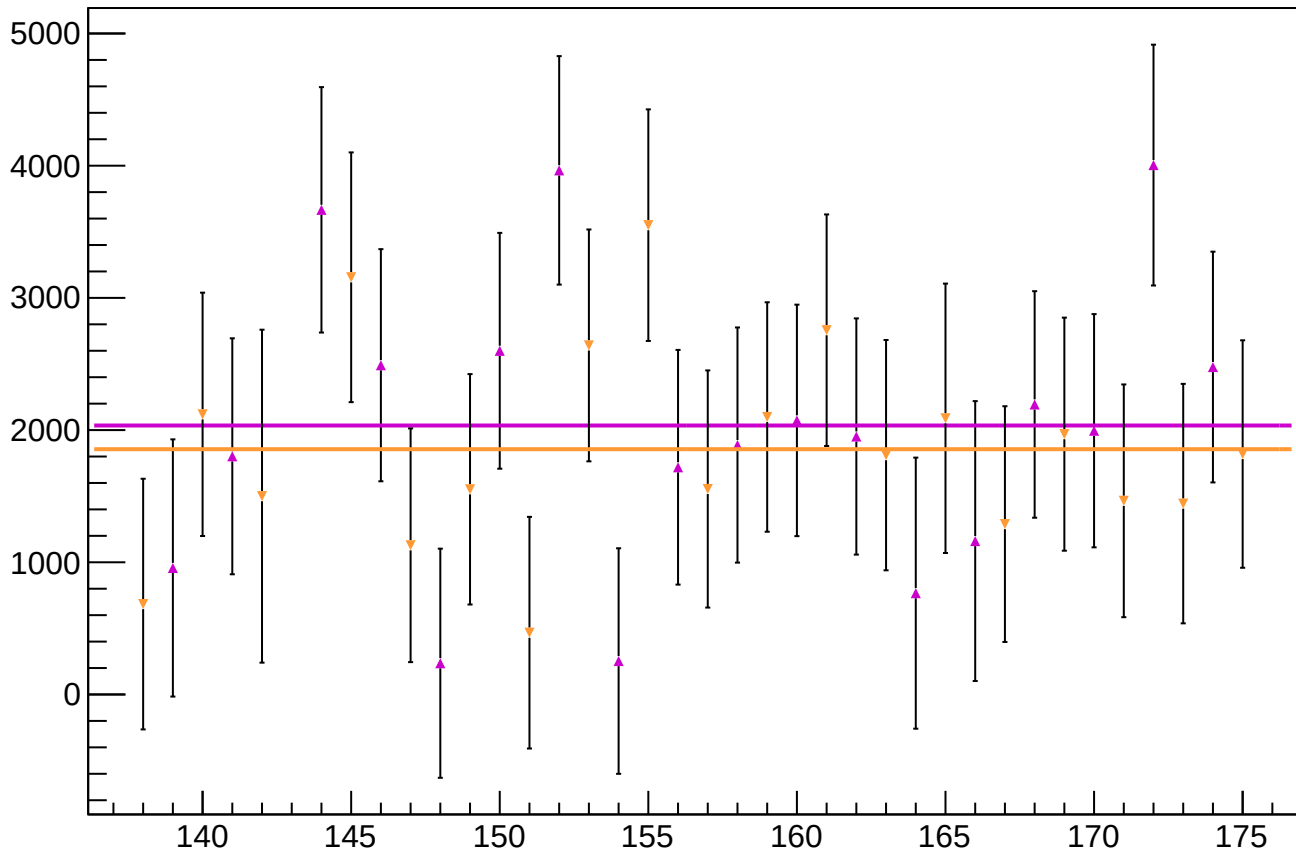
Right: 991.355 $\pm$ 0.194 χ^2 /NDF: 1421282.7/35

In: 969.284 $\pm$ 0.152 χ^2 /NDF:760638.0/34

Out: 955.741 $\pm$ 0.146 χ^2 /NDF:1283816.6/38

All: 962.222 $\pm$ 0.105 χ^2 /NDF: 2048582.7/73

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1855.420+/-208.029 χ^2/NDF :13.6/18

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

Left In: 2034.637+/-212.380 χ^2/NDF :26.1/17

Left: 1943.174+/-148.613 χ^2/NDF : 40.0/36

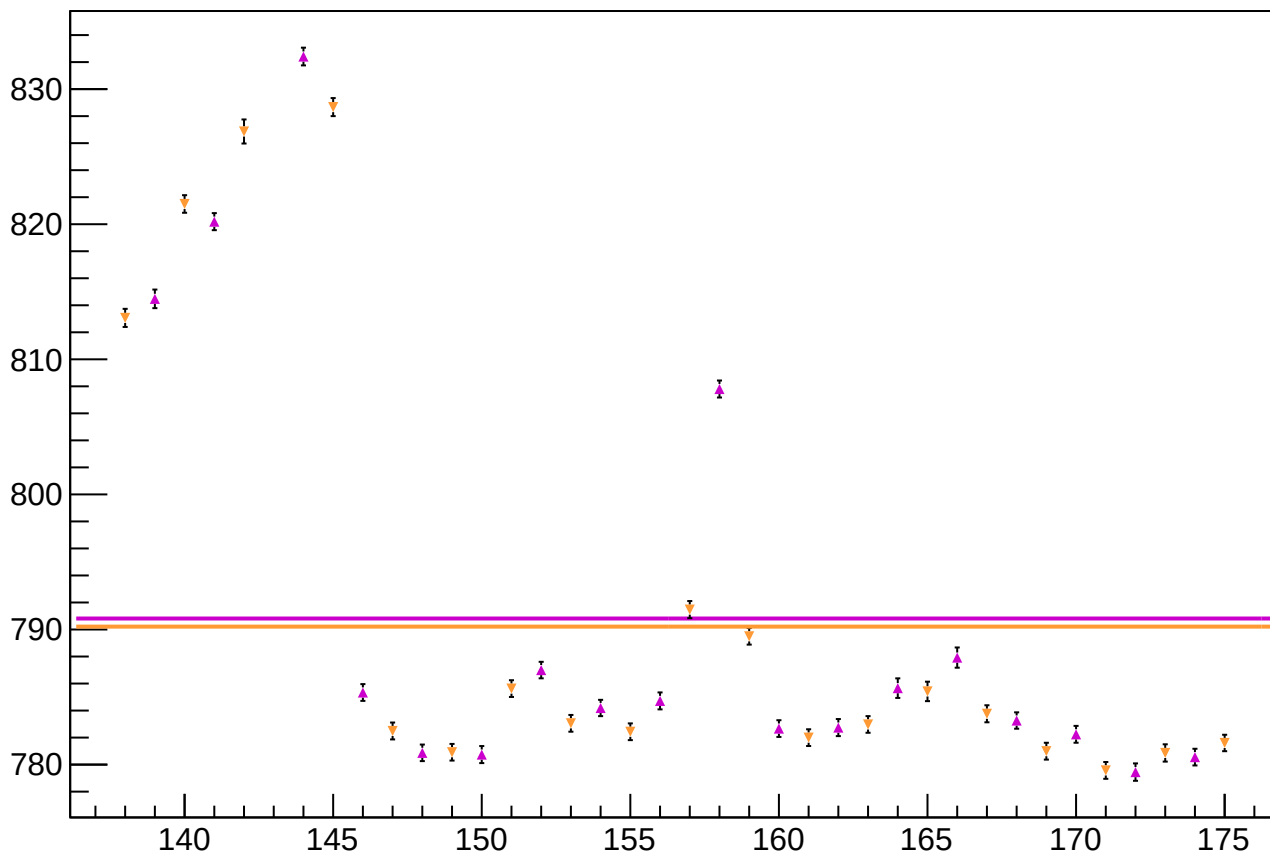
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2034.637+/-212.380 χ^2/NDF :26.1/17

Out: 1855.420+/-208.029 χ^2/NDF :13.6/18

All: 1943.174+/-148.613 χ^2/NDF : 40.0/36

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 790.213+/-0.147 χ^2/NDF :10601.3/18

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

Left In: 790.814+/-0.150 χ^2/NDF :10280.5/17

Left: 790.507+/-0.105 χ^2/NDF : 20890.0/36

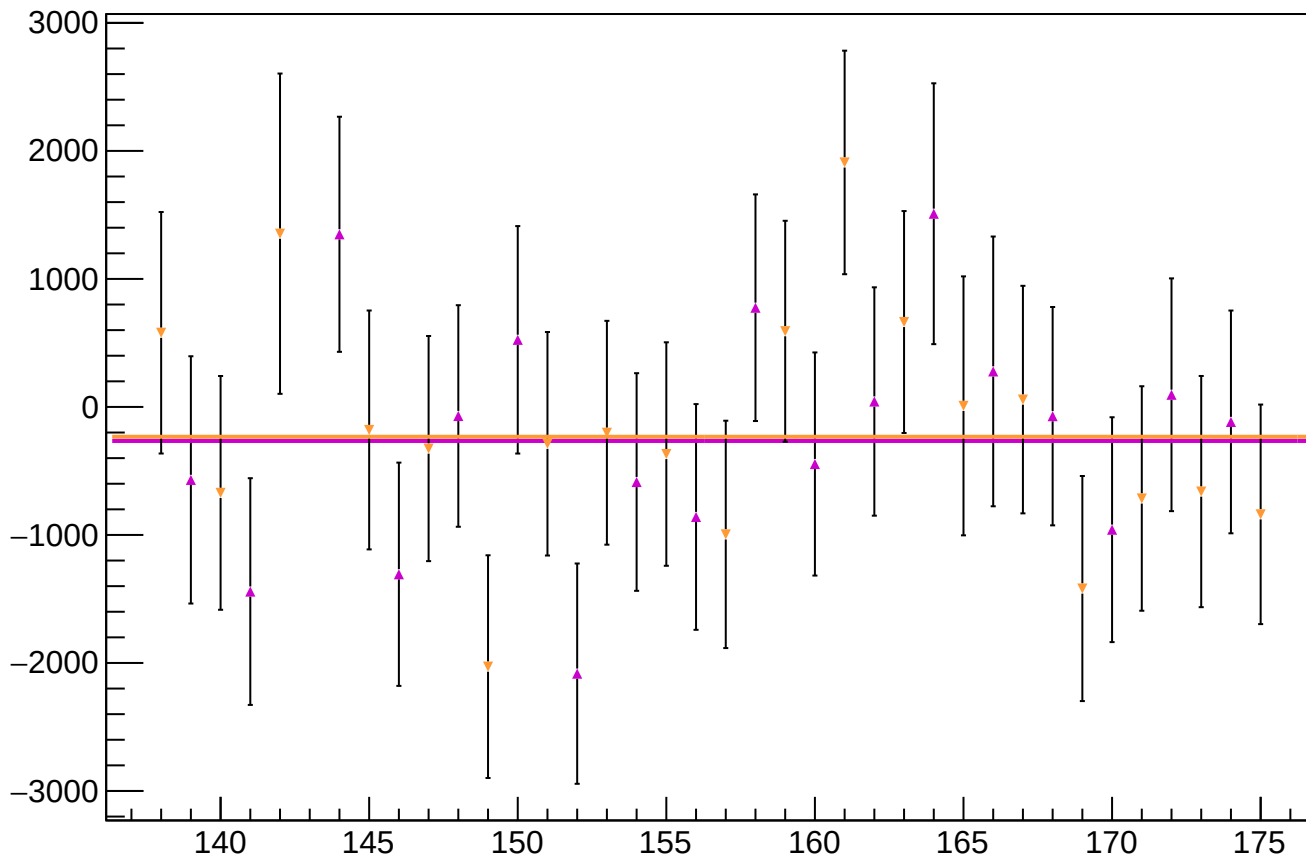
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 790.814+/-0.150 χ^2/NDF :10280.5/17

Out: 790.213+/-0.147 χ^2/NDF :10601.3/18

All: 790.507+/-0.105 χ^2/NDF : 20890.0/36

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -233.027+/-207.004 χ^2/NDF :18.6/18

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

Left In: -265.918+/-211.350 χ^2/NDF :18.0/17

Left: -249.131+/-147.887 χ^2/NDF : 36.6/36

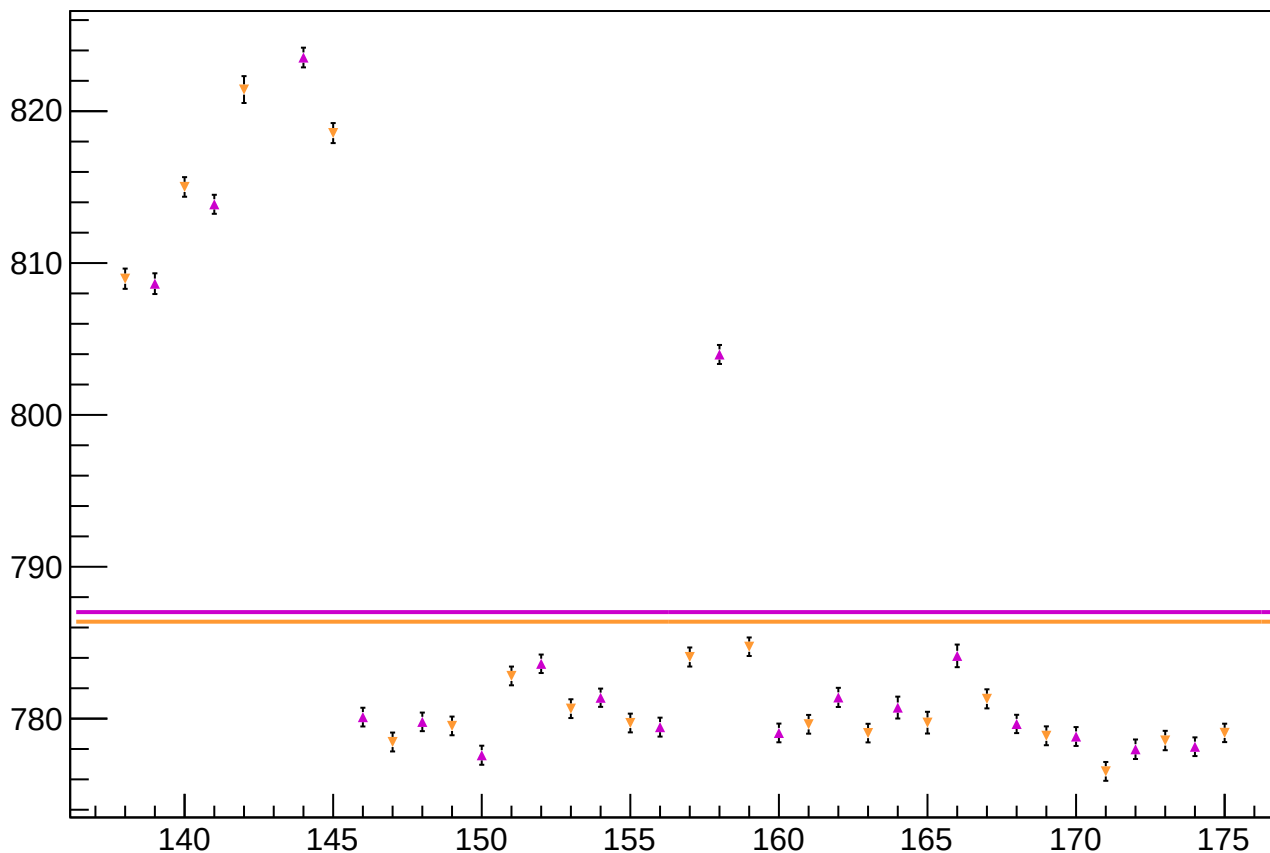
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -265.918+/-211.350 χ^2/NDF :18.0/17

Out: -233.027+/-207.004 χ^2/NDF :18.6/18

All: -249.131+/-147.887 χ^2/NDF : 36.6/36

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 786.384+/-0.146 χ^2/NDF :8714.2/18

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

Left In: 787.014+/-0.149 χ^2/NDF :8562.7/17

Left: 786.692+/-0.105 χ^2/NDF : 17286.0/36

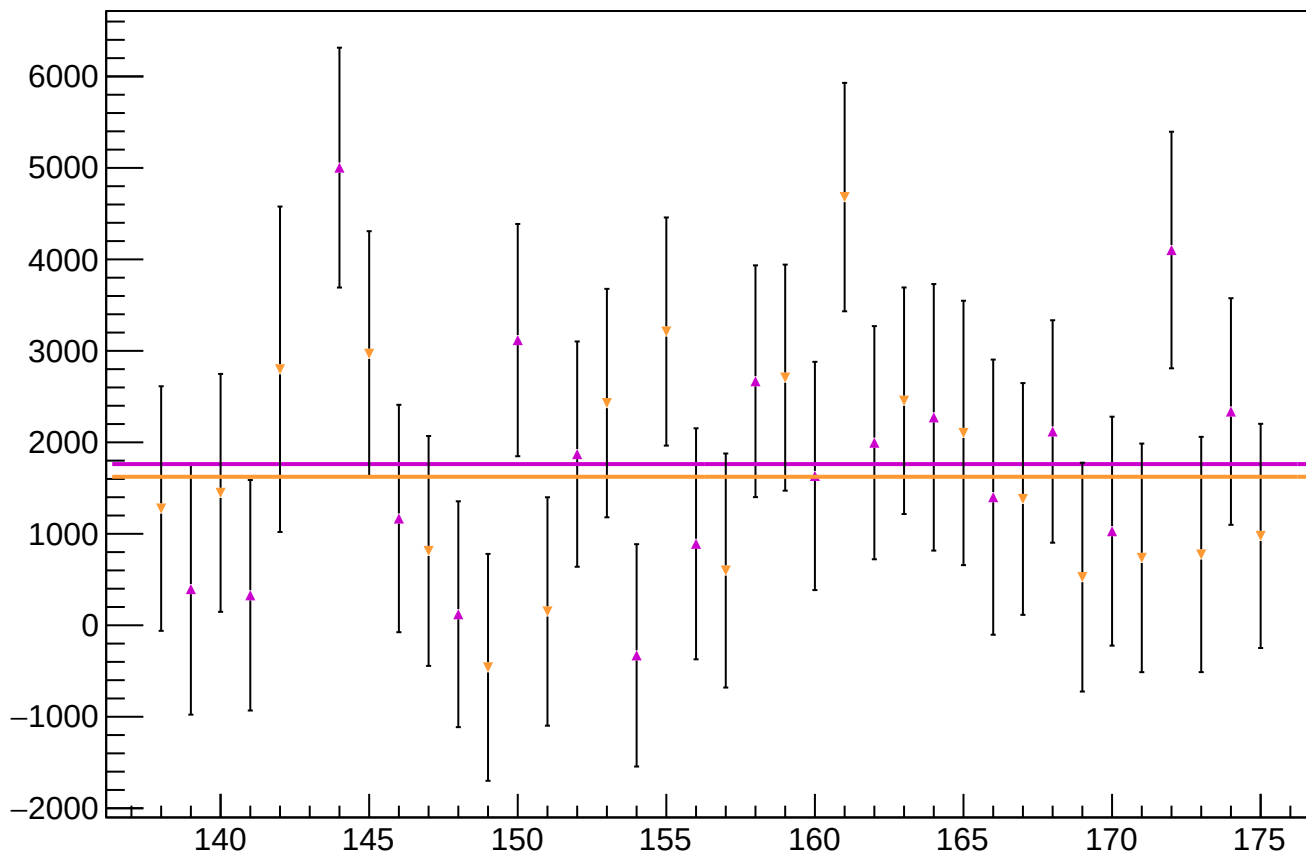
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 787.014+/-0.149 χ^2/NDF :8562.7/17

Out: 786.384+/-0.146 χ^2/NDF :8714.2/18

All: 786.692+/-0.105 χ^2/NDF : 17286.0/36

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1623.465+/-295.595 χ^2/NDF :18.2/18

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

Left In: 1762.090+/-301.664 χ^2/NDF :19.6/17

Left: 1691.369+/-211.130 χ^2/NDF : 37.9/36

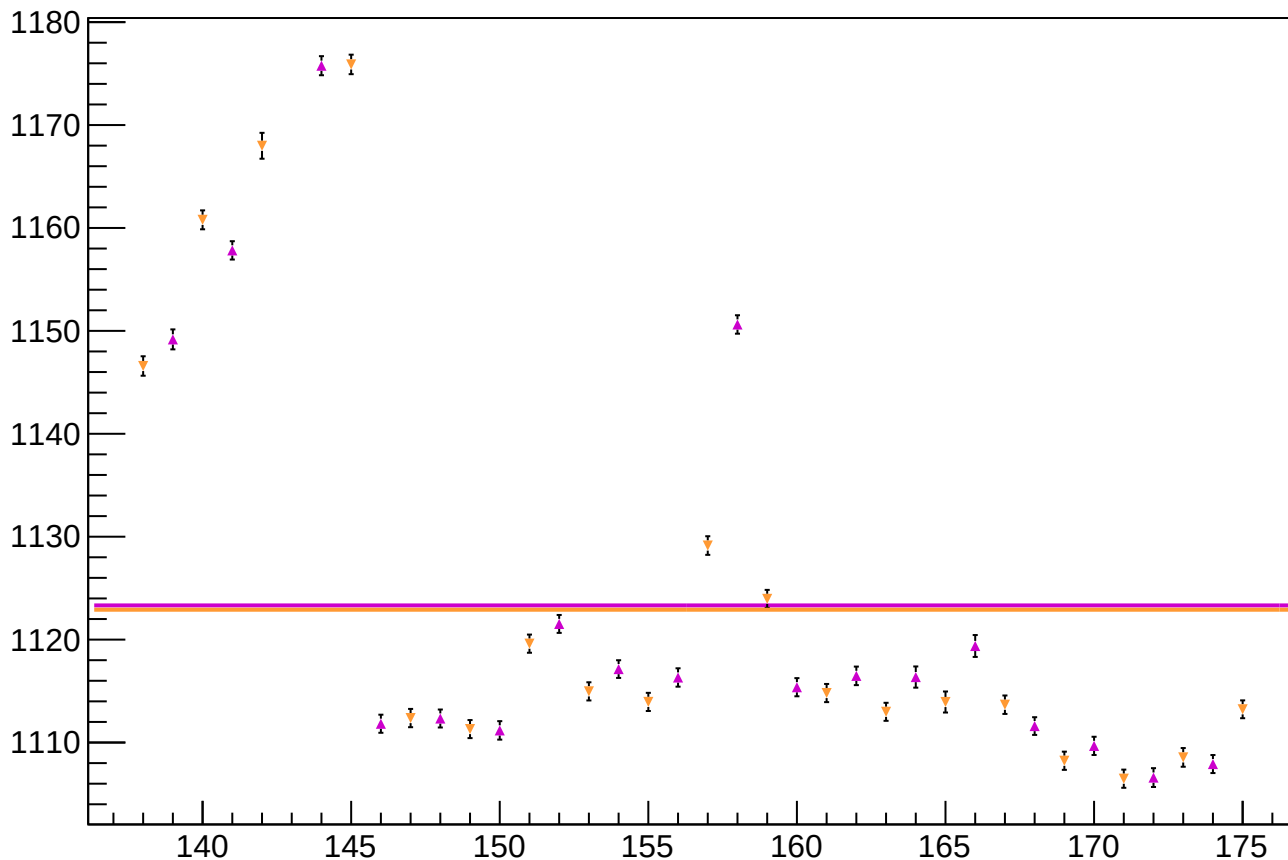
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1762.090+/-301.664 χ^2/NDF :19.6/17

Out: 1623.465+/-295.595 χ^2/NDF :18.2/18

All: 1691.369+/-211.130 χ^2/NDF : 37.9/36

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1122.904+/-0.209 χ^2/NDF :8687.3/18

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

Left In: 1123.322+/-0.213 χ^2/NDF :8234.6/17

Left: 1123.109+/-0.149 χ^2/NDF : 16923.9/36

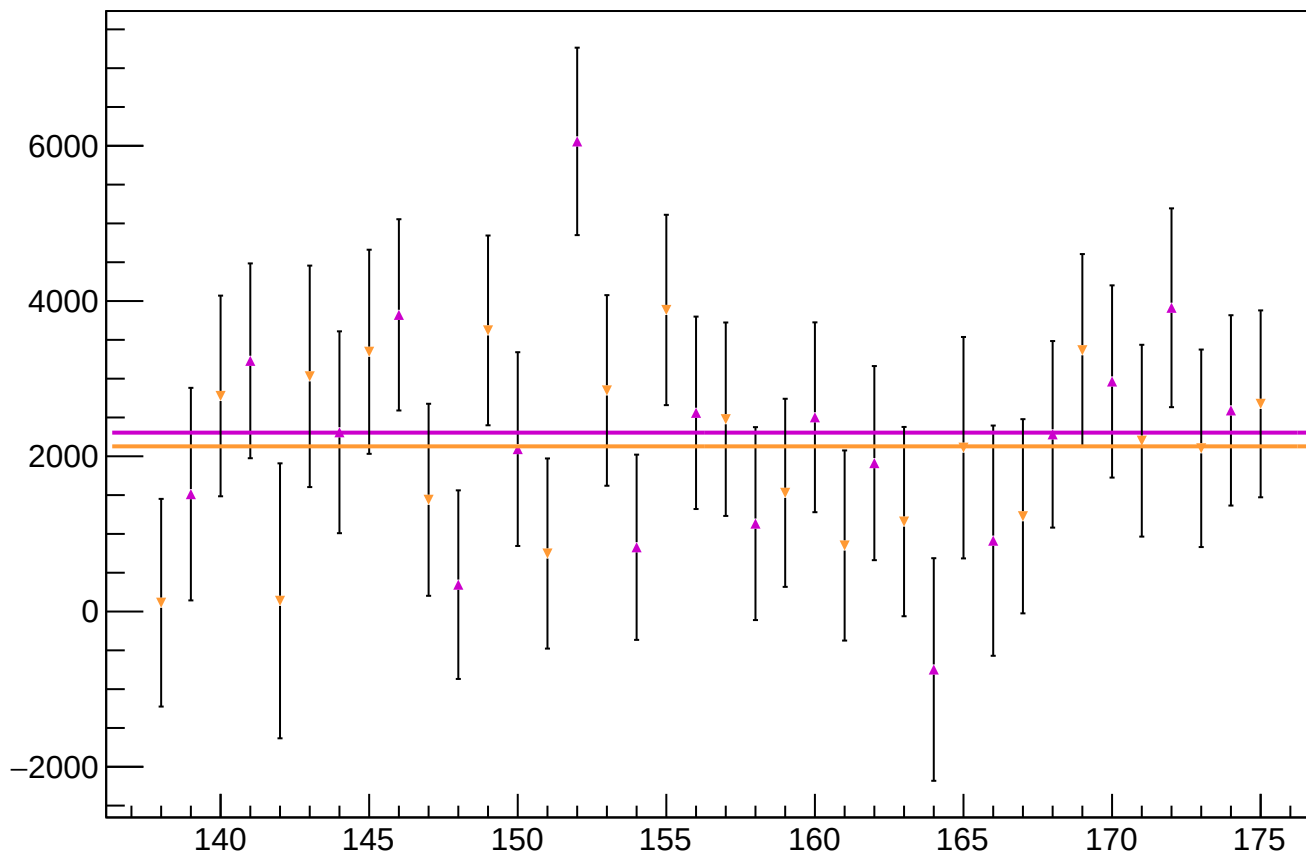
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1123.322+/-0.213 χ^2/NDF :8234.6/17

Out: 1122.904+/-0.209 χ^2/NDF :8687.3/18

All: 1123.109+/-0.149 χ^2/NDF : 16923.9/36

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 2127.934 $\pm$ 285.451 χ^2 /NDF:14.3/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 2304.647 $\pm$ 297.565 χ^2 /NDF:24.6/17

Left: 2212.620 $\pm$ 205.994 χ^2 /NDF: 39.1/37

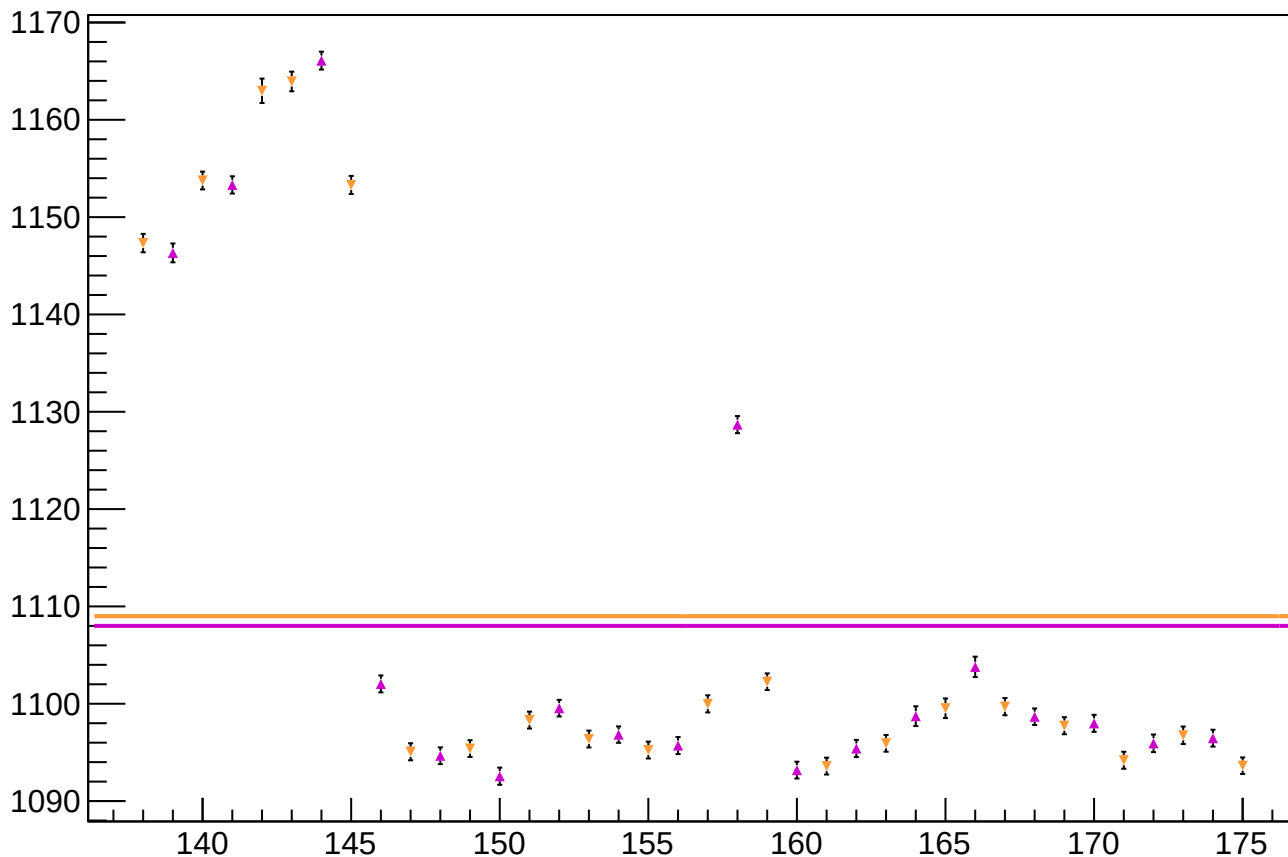
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 2304.647 $\pm$ 297.565 χ^2 /NDF:24.6/17

Out: 2127.934 $\pm$ 285.451 χ^2 /NDF:14.3/19

All: 2212.620 $\pm$ 205.994 χ^2 /NDF: 39.1/37

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1108.995+/-0.202 χ^2/NDF :14126.9/19

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

Left In: 1108.001+/-0.210 χ^2/NDF :10985.8/17

Left: 1108.519+/-0.146 χ^2/NDF : 25124.4/37

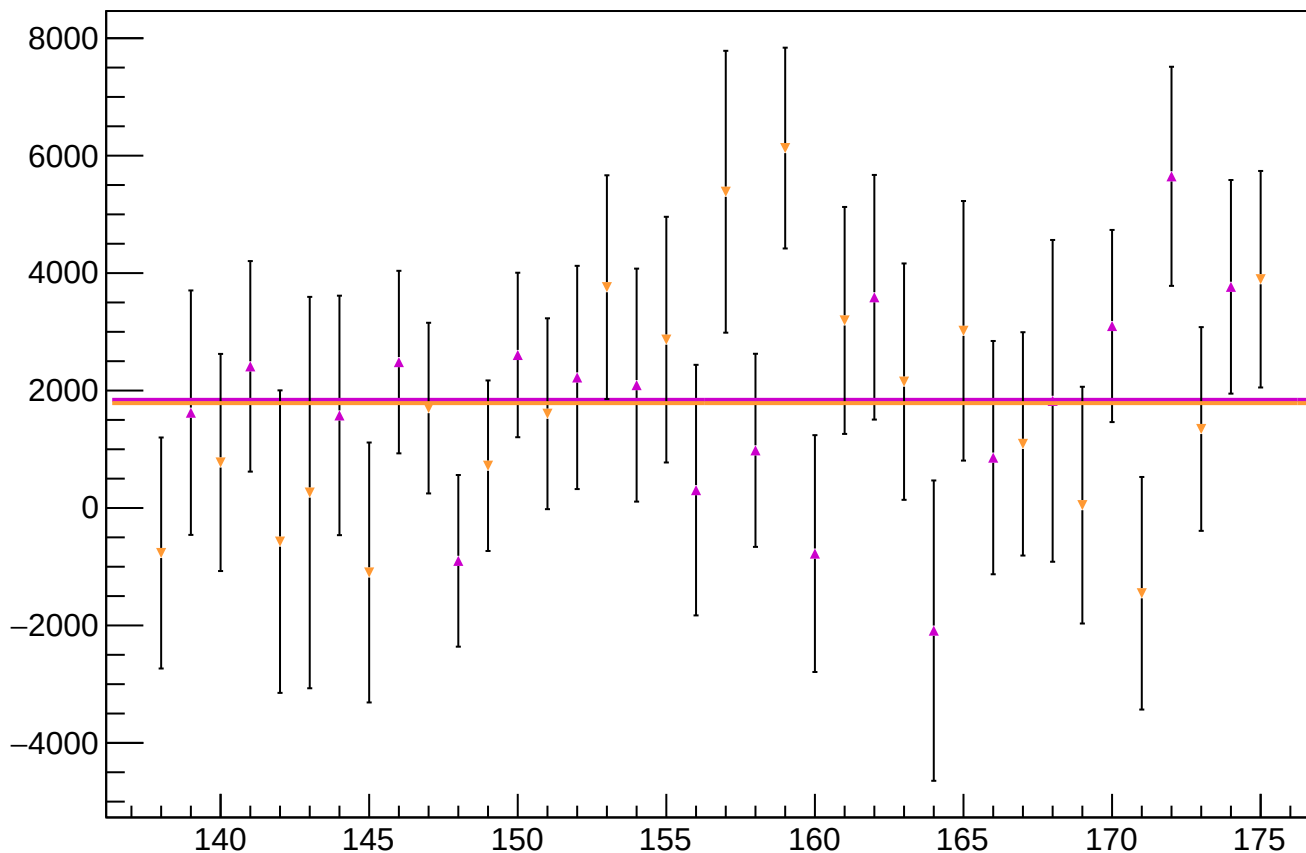
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1108.001+/-0.210 χ^2/NDF :10985.8/17

Out: 1108.995+/-0.202 χ^2/NDF :14126.9/19

All: 1108.519+/-0.146 χ^2/NDF : 25124.4/37

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1785.793+/-427.732 χ^2/NDF :21.1/19

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

Left In: 1841.838+/-435.445 χ^2/NDF :15.8/17

Left: 1813.314+/-305.143 χ^2/NDF : 37.0/37

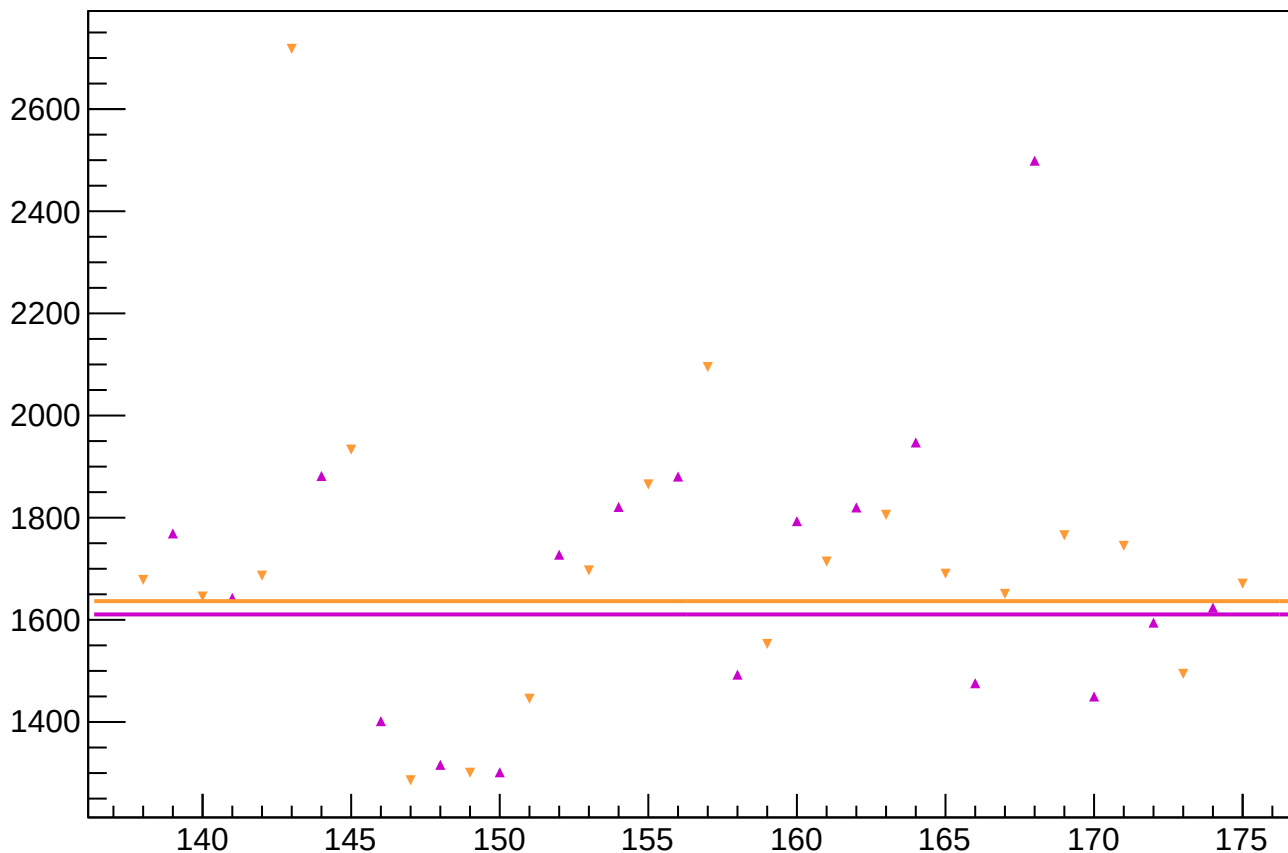
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1841.838+/-435.445 χ^2/NDF :15.8/17

Out: 1785.793+/-427.732 χ^2/NDF :21.1/19

All: 1813.314+/-305.143 χ^2/NDF : 37.0/37

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1636.621+/-0.302 χ^2/NDF : 649983.3/19

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

Left In: 1610.606+/-0.308 χ^2/NDF : 645001.2/17

Left: 1623.846+/-0.216 χ^2/NDF : 1298617.6/37

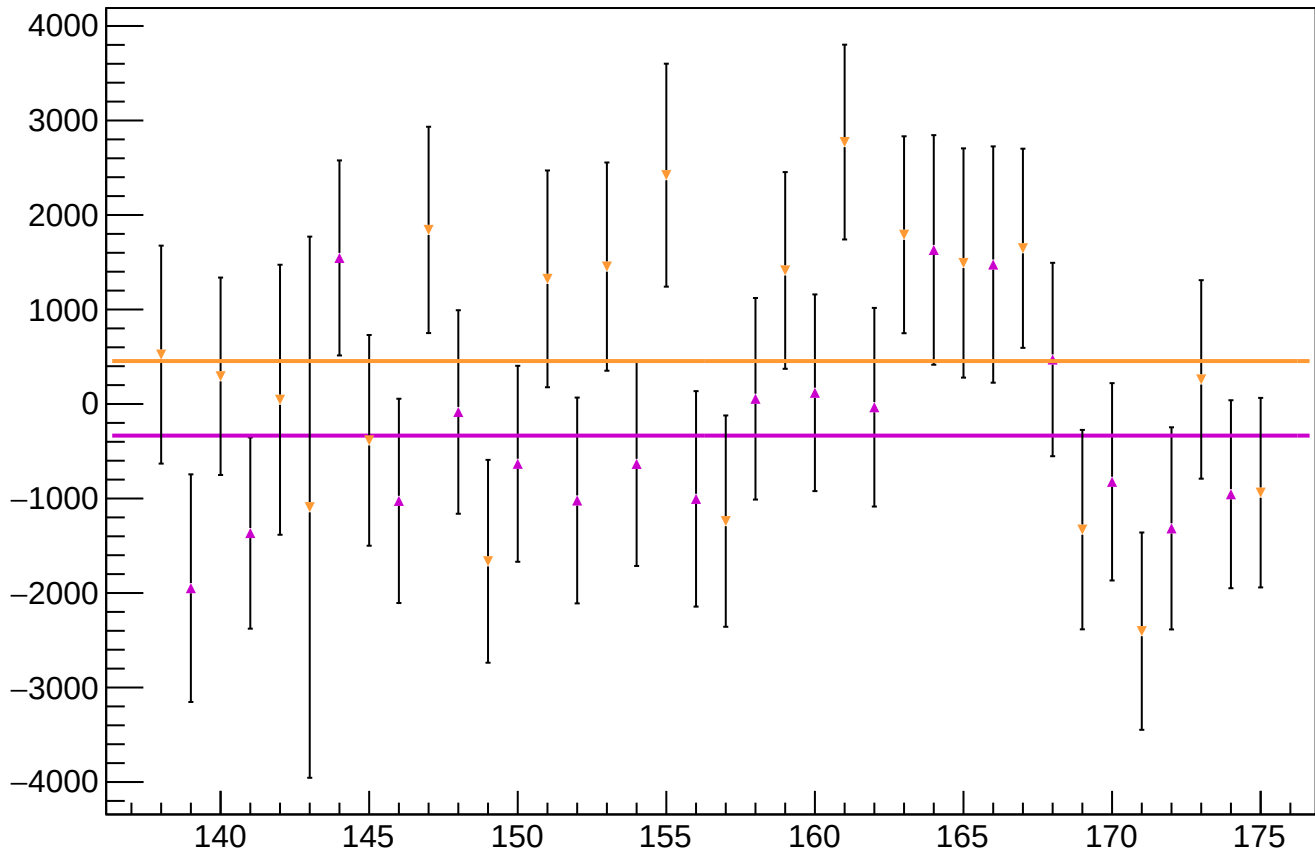
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1610.606+/-0.308 χ^2/NDF : 645001.2/17

Out: 1636.621+/-0.302 χ^2/NDF : 649983.3/19

All: 1623.846+/-0.216 χ^2/NDF : 1298617.6/37

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 454.420+/-250.174 χ^2/NDF :34.8/19

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

Left In: -334.387+/-253.944 χ^2/NDF :14.7/17

Left: 65.915+/-178.218 χ^2/NDF : 54.4/37

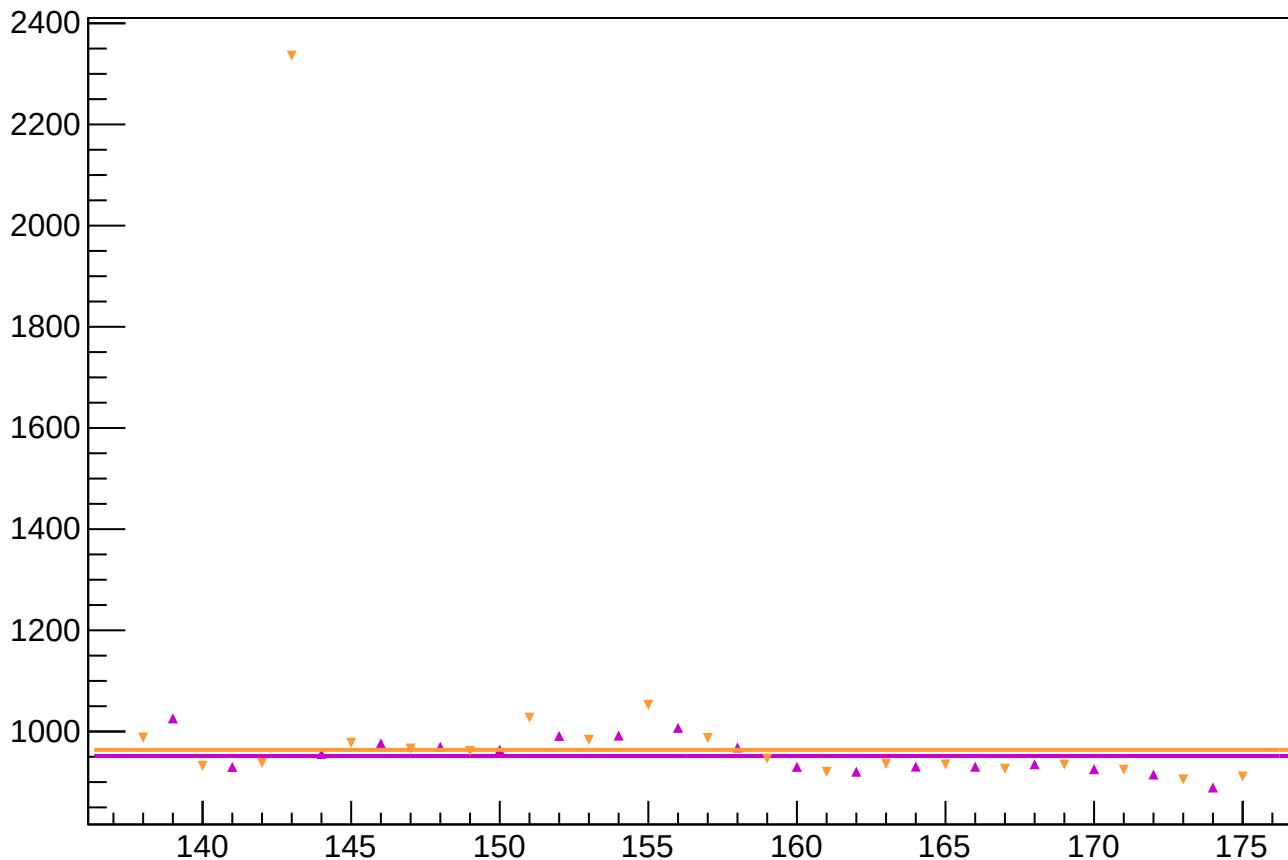
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -334.387+/-253.944 χ^2/NDF :14.7/17

Out: 454.420+/-250.174 χ^2/NDF :34.8/19

All: 65.915+/-178.218 χ^2/NDF : 54.4/37

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 963.710+/-0.177 χ^2/NDF : 507294.6/19

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

Left In: 951.559+/-0.180 χ^2/NDF : 36910.7/17

Left: 957.726+/-0.126 χ^2/NDF : 546529.1/37

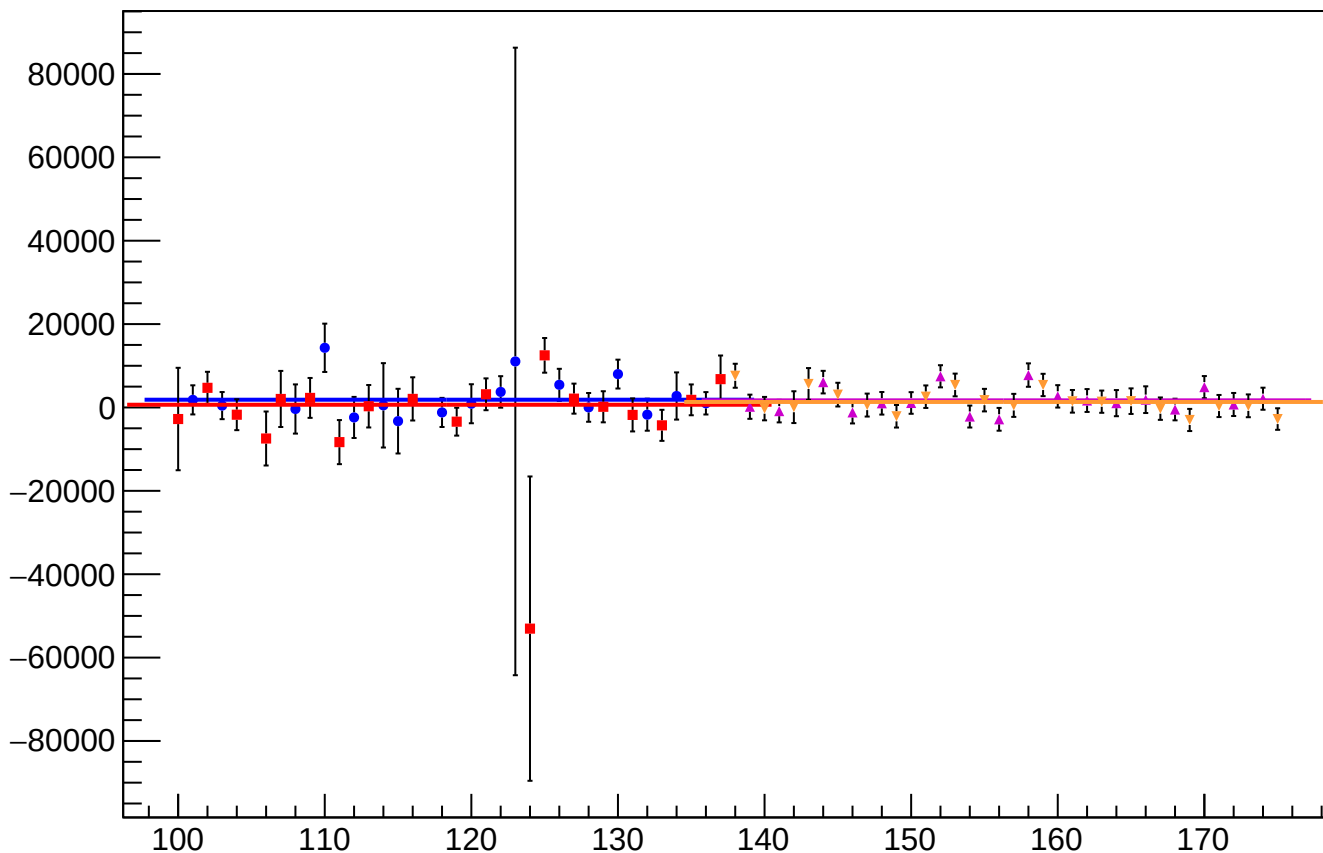
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 951.559+/-0.180 χ^2/NDF : 36910.7/17

Out: 963.710+/-0.177 χ^2/NDF : 507294.6/19

All: 957.726+/-0.126 χ^2/NDF : 546529.1/37

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1320.923+/-626.818 χ^2/NDF : 19.2/19

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

Left In: 1706.435+/-645.366 χ^2/NDF : 21.9/17

Left: 1508.060+/-449.642 χ^2/NDF : 41.3/37

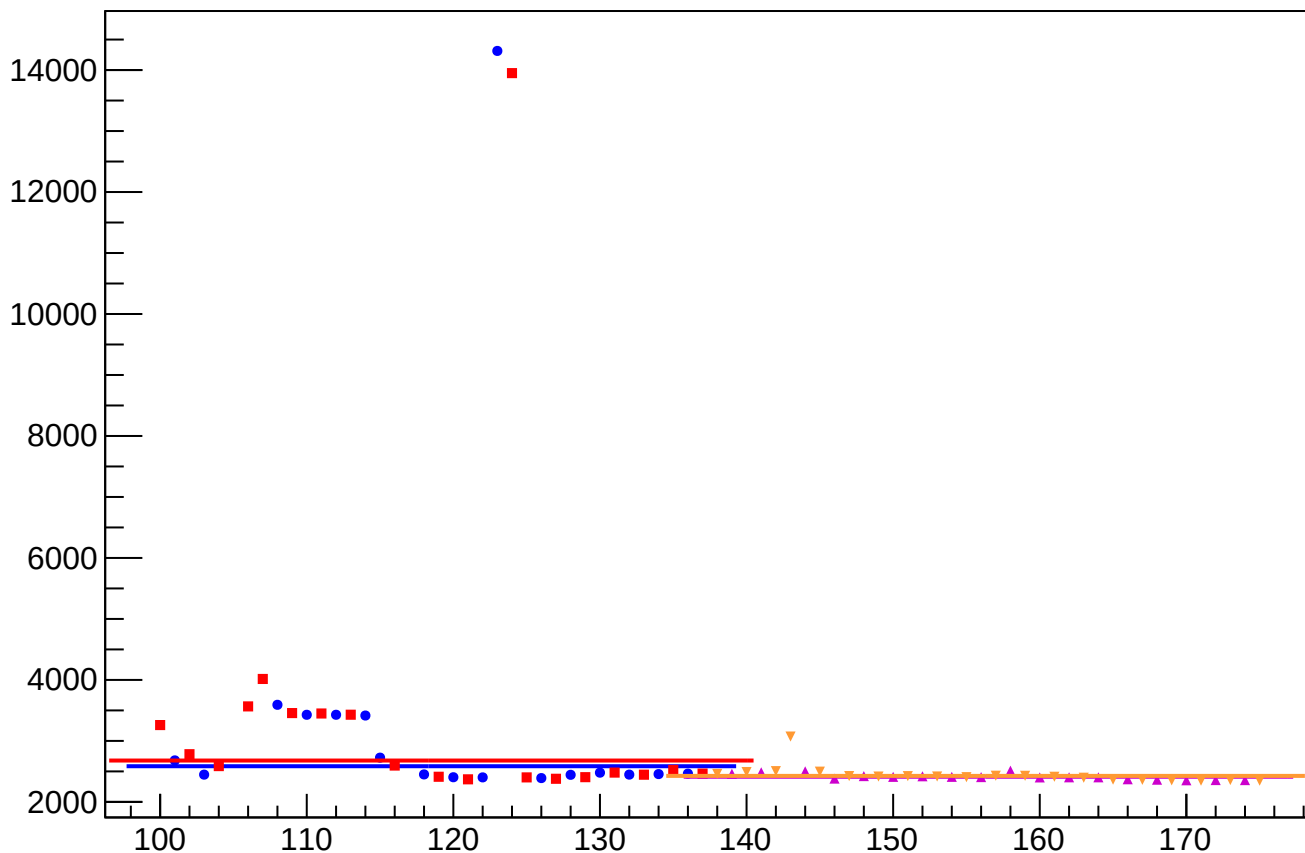
Right: 1263.106+/-720.235 χ^2/NDF : 35.3/35

In: 1750.674+/-544.361 χ^2/NDF : 34.4/34

Out: 1139.141+/-534.578 χ^2/NDF : 41.6/38

All: 1439.363+/-381.416 χ^2/NDF : 76.7/73

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2584.819 $\pm$ 0.717 χ^2 /NDF: 255710.5/16

Left Out: 2426.465 $\pm$ 0.443 χ^2 /NDF: 69424.6/19

Right Out: 2678.229 $\pm$ 0.724 χ^2 /NDF: 532096.9/18

Left In: 2412.265 $\pm$ 0.456 χ^2 /NDF: 10658.1/17

Left: 2419.572 $\pm$ 0.318 χ^2 /NDF: 80581.0/37

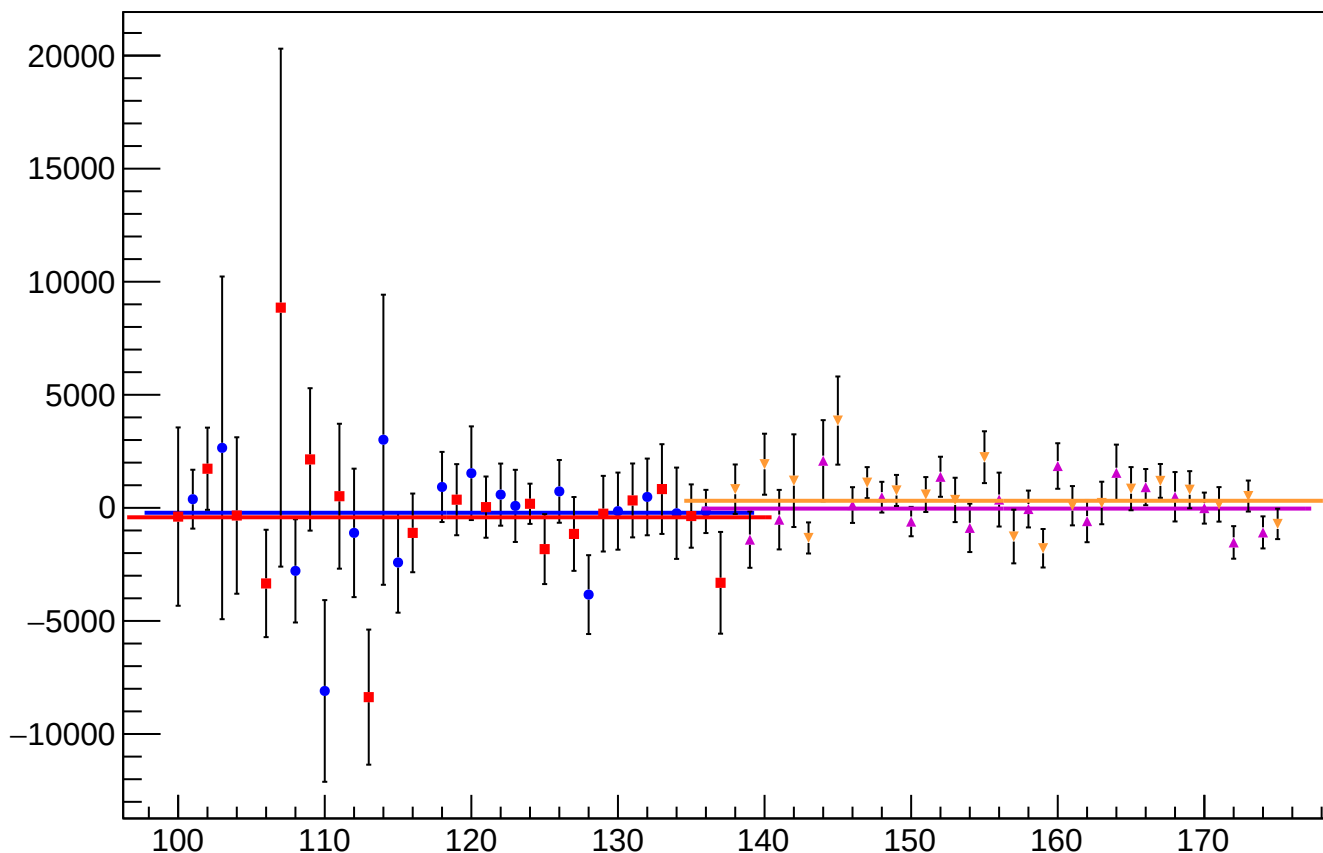
Right: 2631.050 $\pm$ 0.509 χ^2 /NDF: 796216.7/35

In: 2462.051 $\pm$ 0.385 χ^2 /NDF: 307620.6/34

Out: 2495.110 $\pm$ 0.378 χ^2 /NDF: 689494.1/38

All: 2478.880 $\pm$ 0.270 χ^2 /NDF: 1000869.9/73

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 313.073 ± 193.547 χ^2/NDF : 28.1/19

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

Left In: -32.557 ± 207.418 χ^2/NDF : 21.0/17

Left: 152.201 ± 141.508 χ^2/NDF : 50.5/37

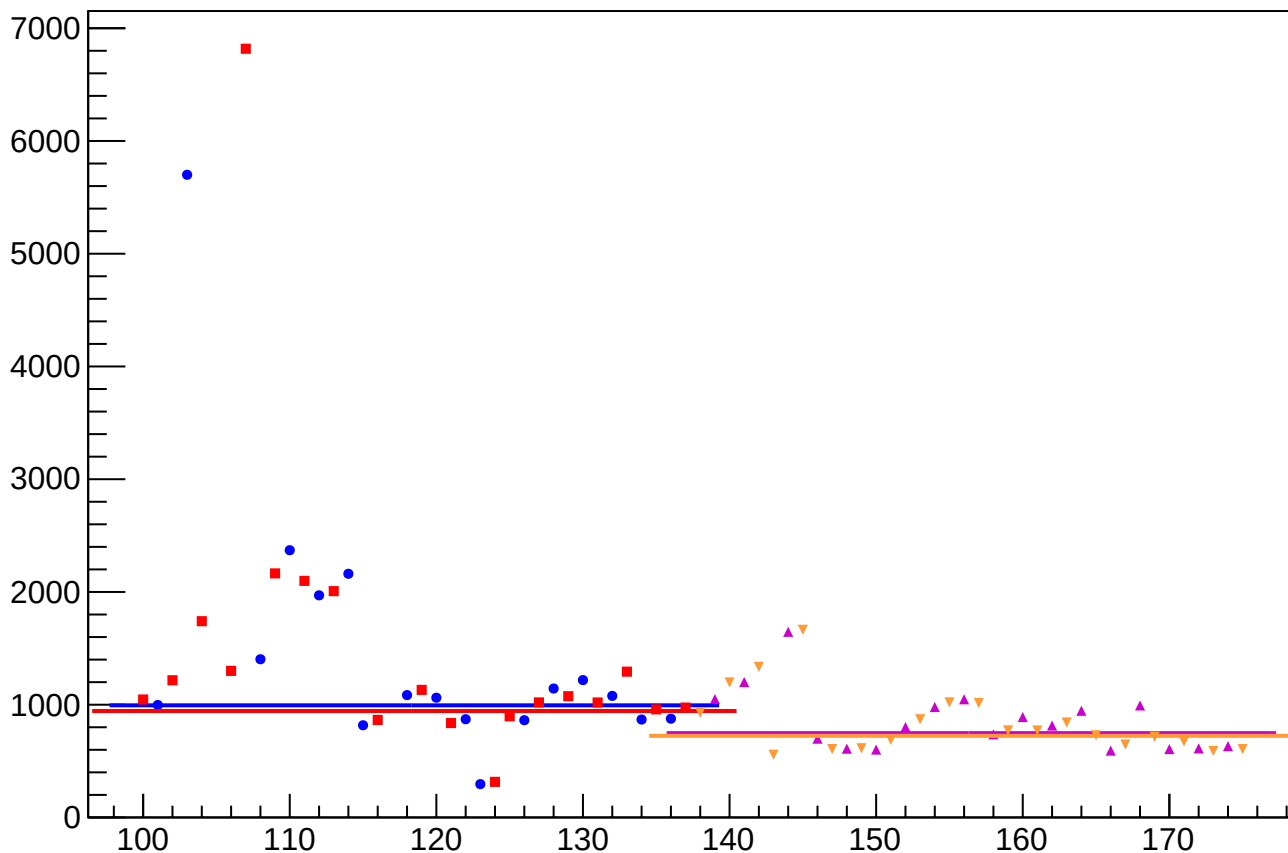
Right: -319.789 ± 293.036 χ^2/NDF : 29.2/35

In: -68.713 ± 185.982 χ^2/NDF : 34.5/34

Out: 179.446 ± 174.945 χ^2/NDF : 46.3/38

All: 62.948 ± 127.428 χ^2/NDF : 81.8/73

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 994.541 ± 0.297 $\chi^2/\text{NDF}: 1904549.2/16$

Left Out: 724.011 ± 0.137 $\chi^2/\text{NDF}: 1704914.1/19$

Right Out: 944.286 ± 0.289 $\chi^2/\text{NDF}: 2666007.0/18$

Left In: 747.797 ± 0.147 $\chi^2/\text{NDF}: 1762283.8/17$

Left: 735.082 ± 0.100 $\chi^2/\text{NDF}: 3481257.0/37$

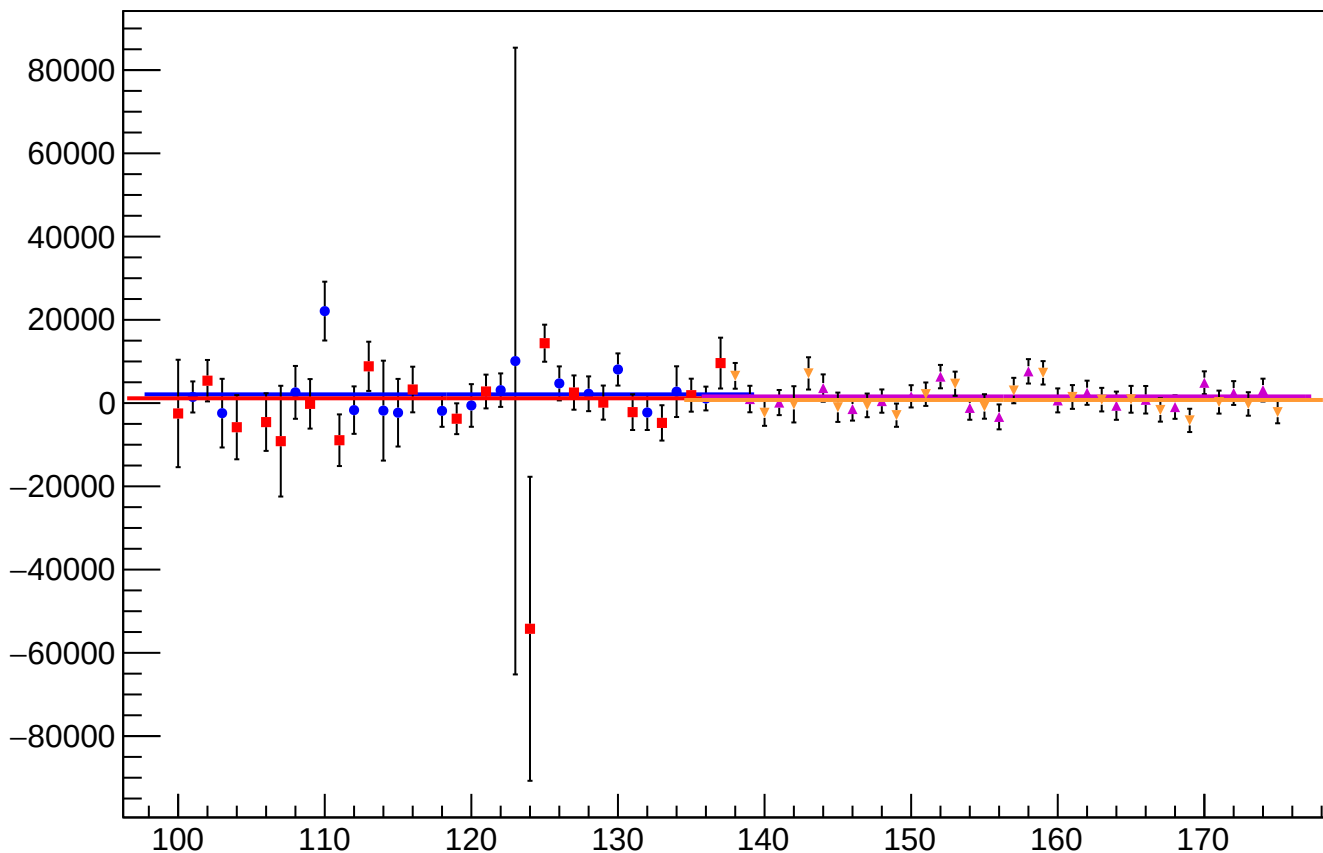
Right: 968.741 ± 0.207 $\chi^2/\text{NDF}: 4585251.1/35$

In: 796.162 ± 0.132 $\chi^2/\text{NDF}: 4221603.9/34$

Out: 764.318 ± 0.124 $\chi^2/\text{NDF}: 4844941.1/38$

All: 779.267 ± 0.090 $\chi^2/\text{NDF}: 9097653.1/73$

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 748.197+/-667.151 χ^2/NDF :22.9/19

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

Left In: 1596.147+/-688.912 χ^2/NDF :16.1/17

Left: 1158.569+/-479.255 χ^2/NDF : 39.7/37

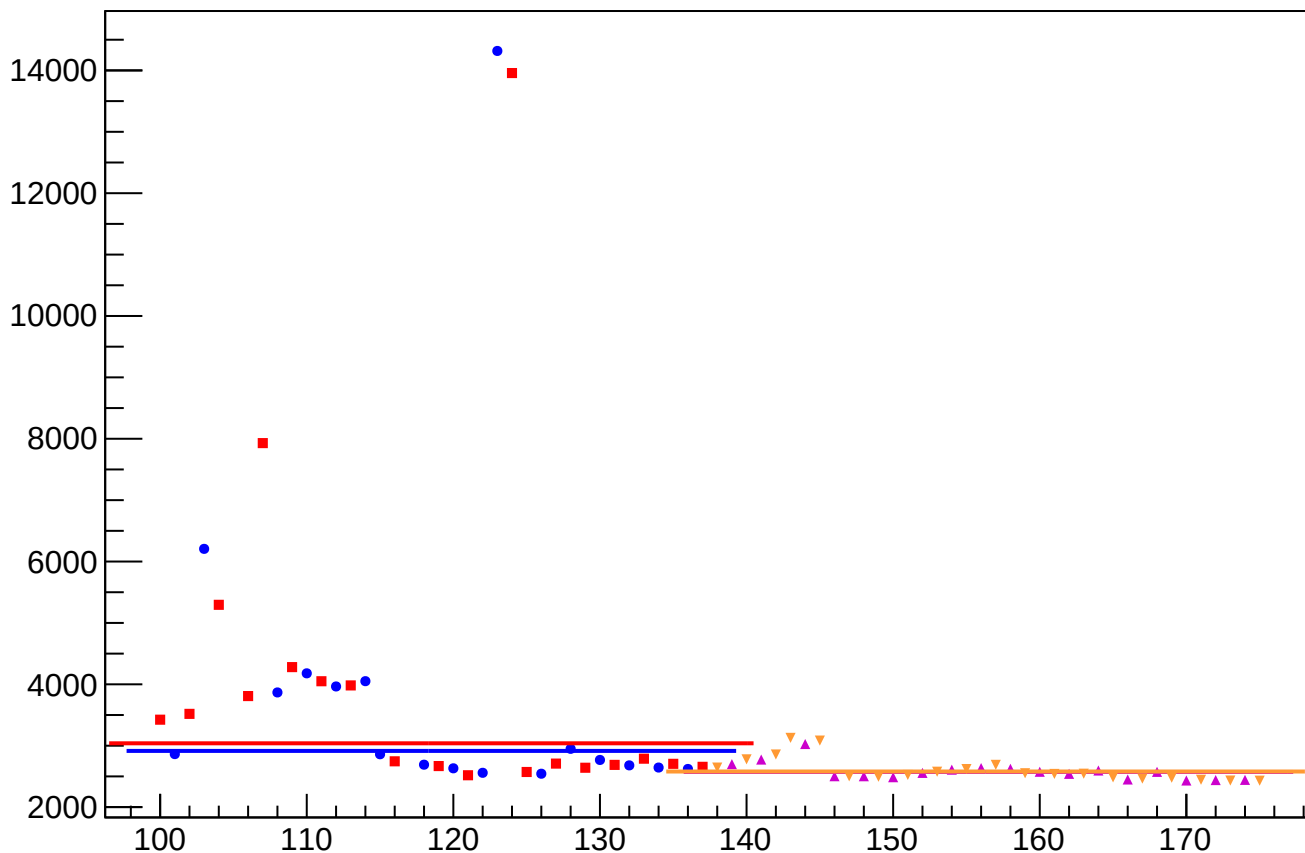
Right: 1631.633+/-829.783 χ^2/NDF : 40.1/35

In: 1725.900+/-592.384 χ^2/NDF :30.8/34

Out: 844.123+/-581.586 χ^2/NDF :48.1/38

All: 1276.901+/-415.008 χ^2/NDF : 80.1/73

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2579.612+/-0.472 χ^2/NDF : 129975.3/19

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

Left In: 2571.954+/-0.487 χ^2/NDF : 74010.9/17

Left: 2575.906+/-0.339 χ^2/NDF : 204113.7/37

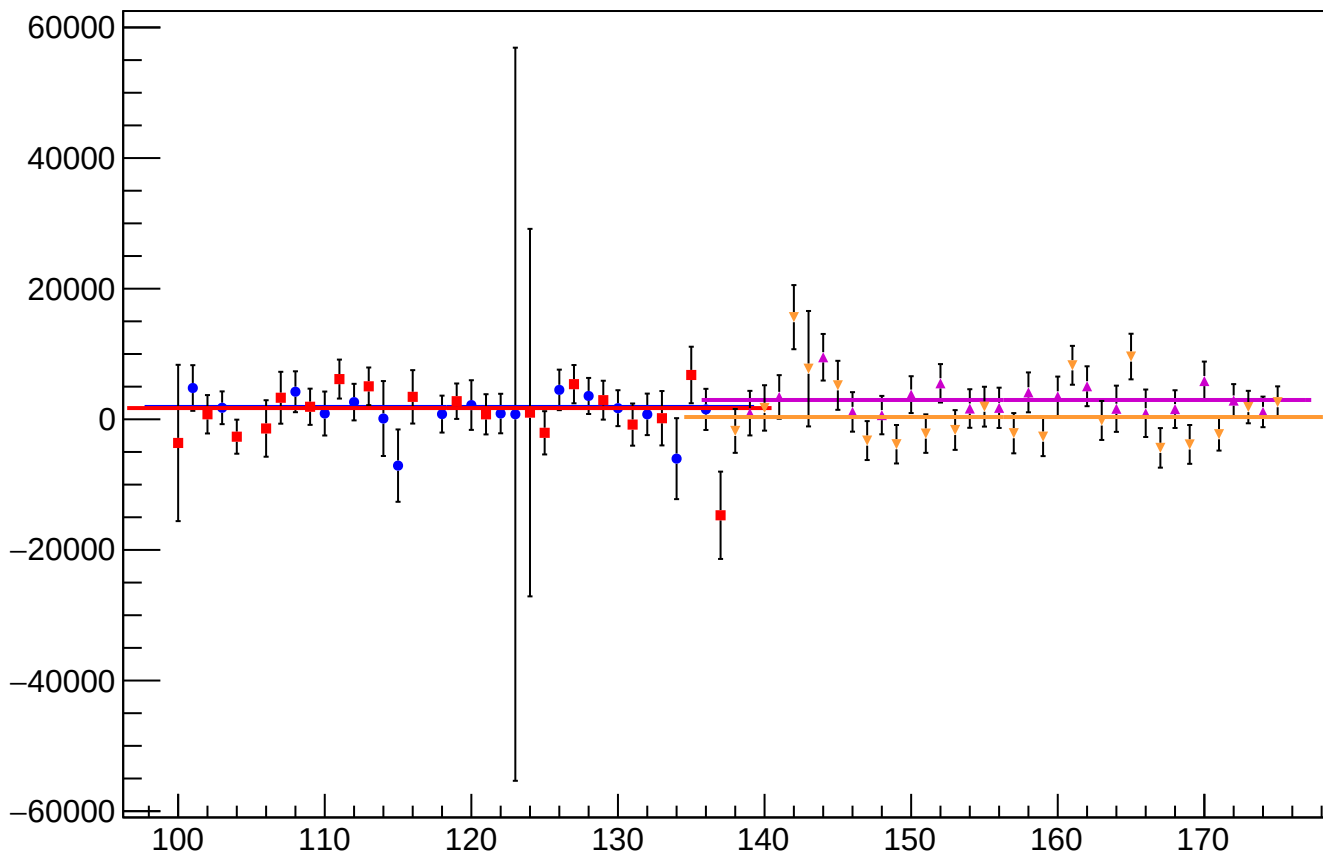
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

In: 2661.404+/-0.419 χ^2/NDF : 842533.6/34

Out: 2689.926+/-0.411 χ^2/NDF : 1369143.3/38

All: 2675.927+/-0.293 χ^2/NDF : 2214037.8/73

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 349.114 $\pm$ 691.145 χ^2 /NDF:40.1/19

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

Left In: 2958.186 $\pm$ 708.446 χ^2 /NDF:8.8/17

Left: 1621.403 $\pm$ 494.717 χ^2 /NDF: 55.9/37

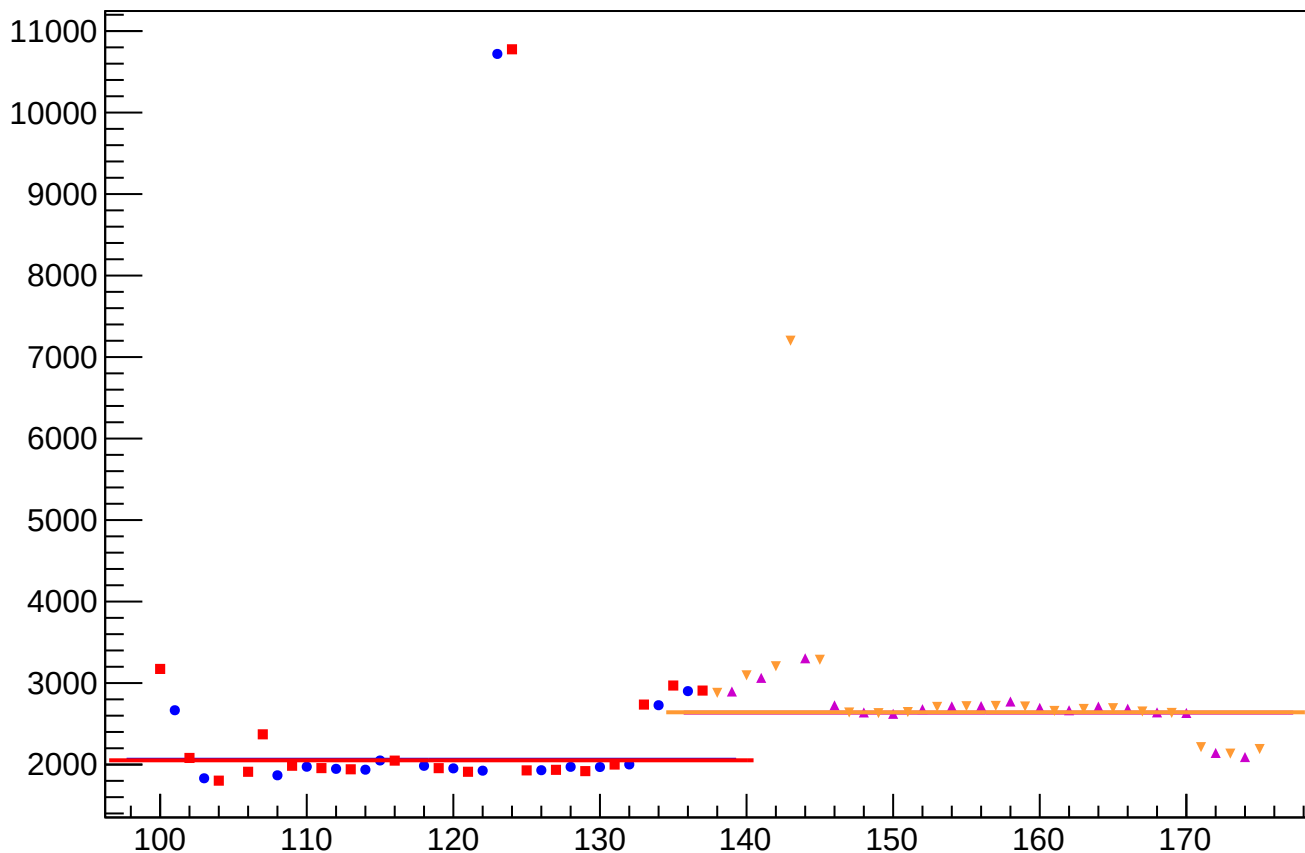
Right: 1802.263 $\pm$ 566.080 χ^2 /NDF: 26.2/35

In: 2496.116 $\pm$ 533.667 χ^2 /NDF:17.0/34

Out: 942.996 $\pm$ 520.205 χ^2 /NDF:60.8/38

All: 1699.721 $\pm$ 372.509 χ^2 /NDF: 82.2/73

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2058.963 $\pm$ 0.574 χ^2 /NDF: 318561.5/16

Left Out: 2641.415 $\pm$ 0.489 χ^2 /NDF: 878220.6/19

Right Out: 2052.260 $\pm$ 0.559 χ^2 /NDF: 443321.6/18

Left In: 2637.160 $\pm$ 0.501 χ^2 /NDF: 310981.7/17

Left: 2639.340 $\pm$ 0.350 χ^2 /NDF: 1189239.2/37

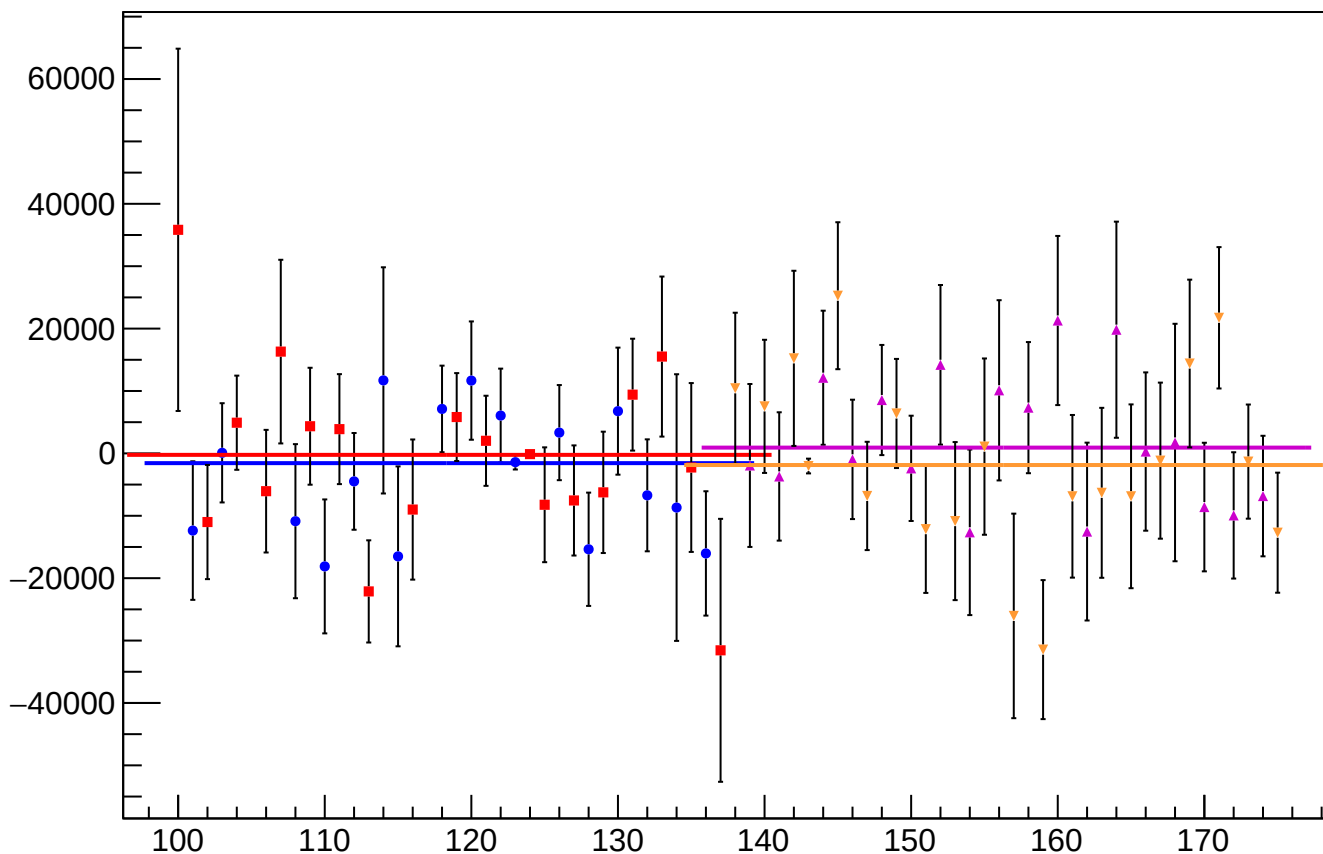
Right: 2055.522 $\pm$ 0.400 χ^2 /NDF: 761953.2/35

In: 2387.060 $\pm$ 0.377 χ^2 /NDF: 1205785.4/34

Out: 2386.023 $\pm$ 0.368 χ^2 /NDF: 1951524.0/38

All: 2386.528 $\pm$ 0.263 χ^2 /NDF: 3157313.2/73

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1865.570+/-1078.217 χ^2/NDF : 28.1/19

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

Left In: 925.223+/-2672.684 χ^2/NDF : 12.2/17

Left: -1474.946+/-999.915 χ^2/NDF : 41.2/37

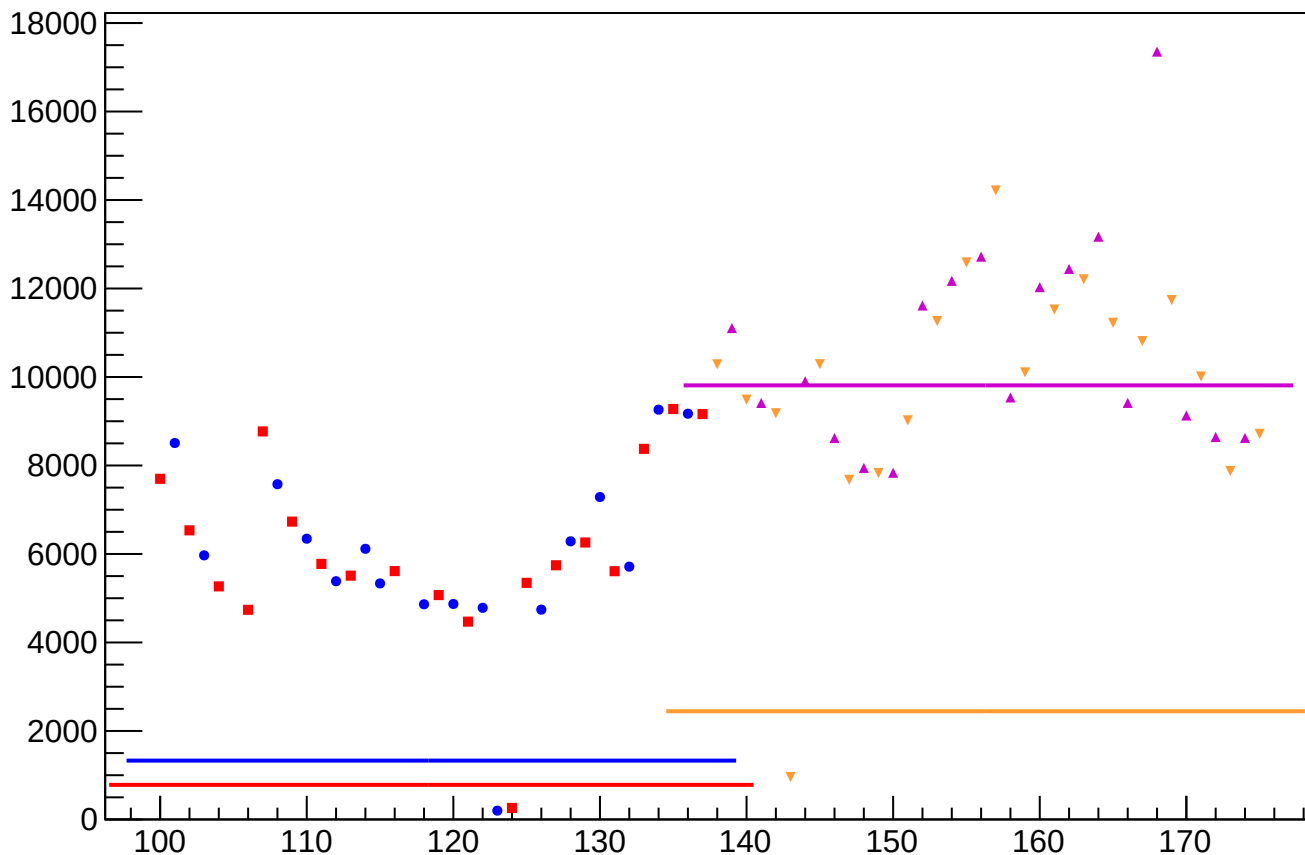
Right: -638.499+/-580.304 χ^2/NDF : 38.1/35

In: -1228.332+/-980.466 χ^2/NDF : 29.1/34

Out: -714.629+/-584.259 χ^2/NDF : 50.5/38

All: -849.242+/-501.904 χ^2/NDF : 79.8/73

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250+/-0.745

χ^2/NDF : 10046828.9/16

Left Out: 2445.560+/-0.762

χ^2/NDF : 19512977.5/19

Right Out: 781.848+/-0.492

χ^2/NDF : 11439893.7/18

Left In: 9810.461+/-1.890

χ^2/NDF : 1017437.9/17

Left: 3476.416+/-0.707

χ^2/NDF : 33591604.7/37

Right: 948.102+/-0.410

χ^2/NDF : 21864055.1/35

In: 2471.488+/-0.693

χ^2/NDF : 28489421.2/34

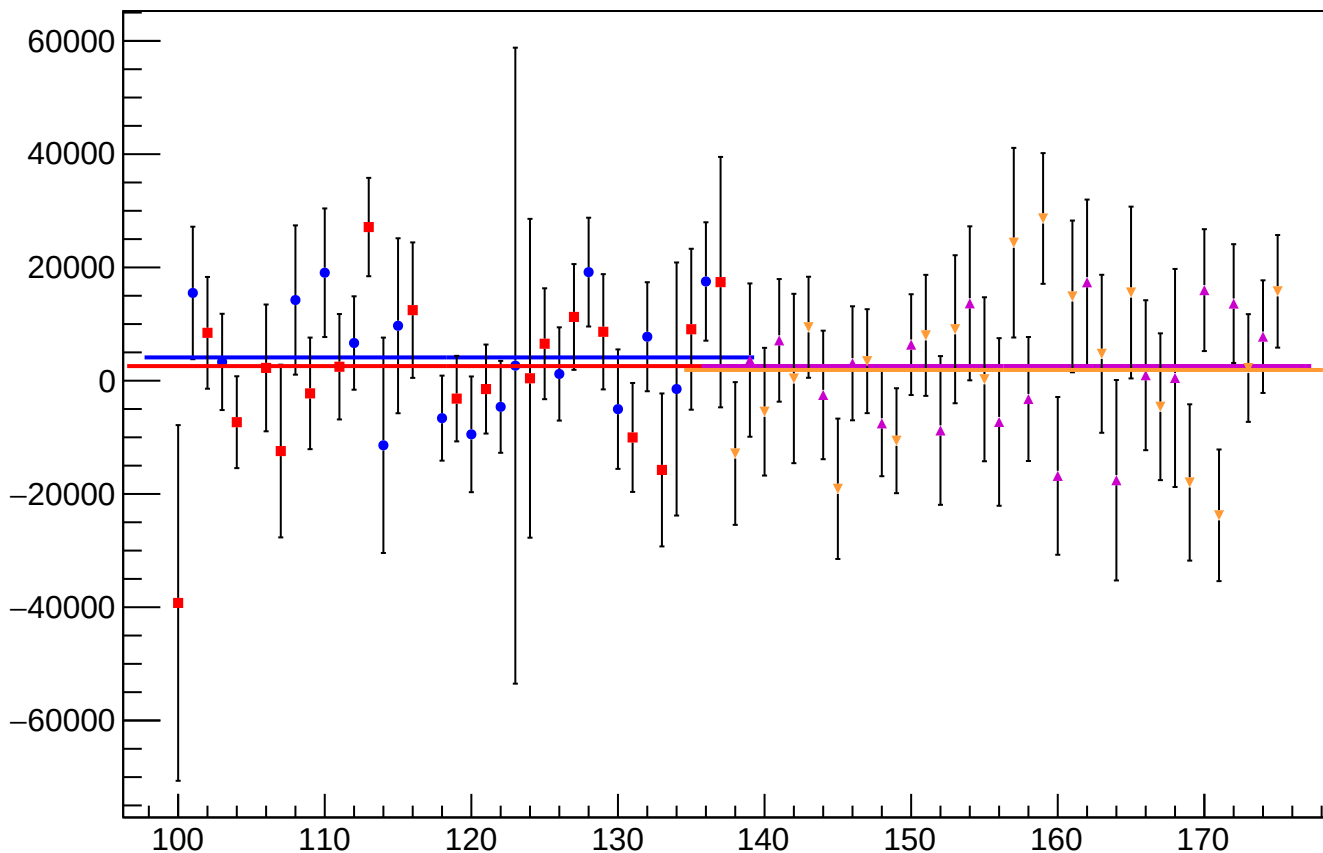
Out: 1270.362+/-0.413

χ^2/NDF : 34316490.9/38

All: 1585.111+/-0.355

χ^2/NDF : 65020902.9/71

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 1895.770+/-2612.425 χ^2/NDF : 26.0/19

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

Left In: 2590.139+/-2783.075 χ^2/NDF : 11.1/17

Left: 2221.015+/-1904.736 χ^2/NDF : 37.1/37

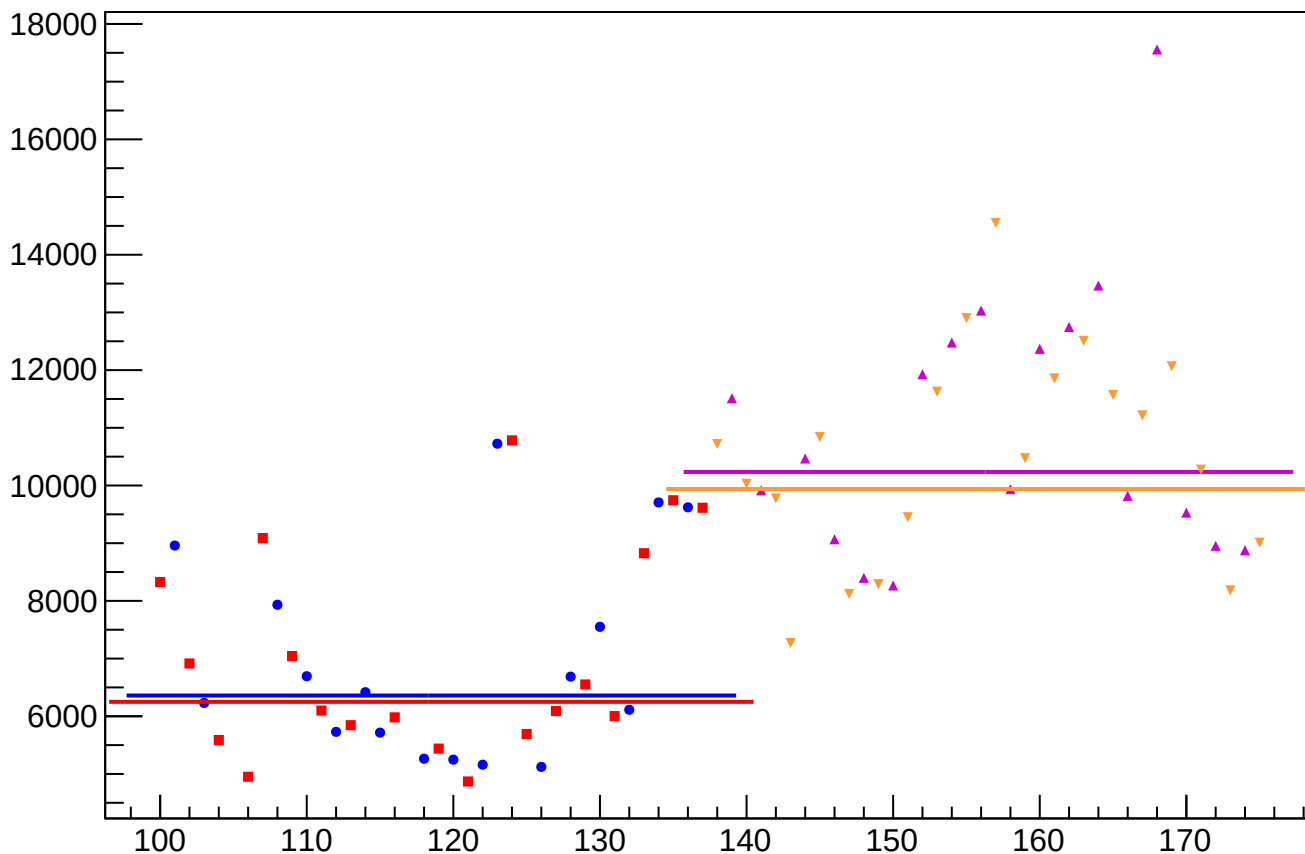
Right: 3309.487+/-1750.441 χ^2/NDF : 34.5/35

In: 3421.954+/-1873.869 χ^2/NDF : 25.6/34

Out: 2262.715+/-1775.522 χ^2/NDF : 46.0/38

All: 2811.117+/-1288.850 χ^2/NDF : 71.8/73

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 9938.673+/-1.847 χ^2/NDF : 903085.8/19

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

Left In: 10234.550+/-1.968 χ^2/NDF : 922728.5/17

Left: 10077.263+/-1.347 χ^2/NDF : 1837831.0/37

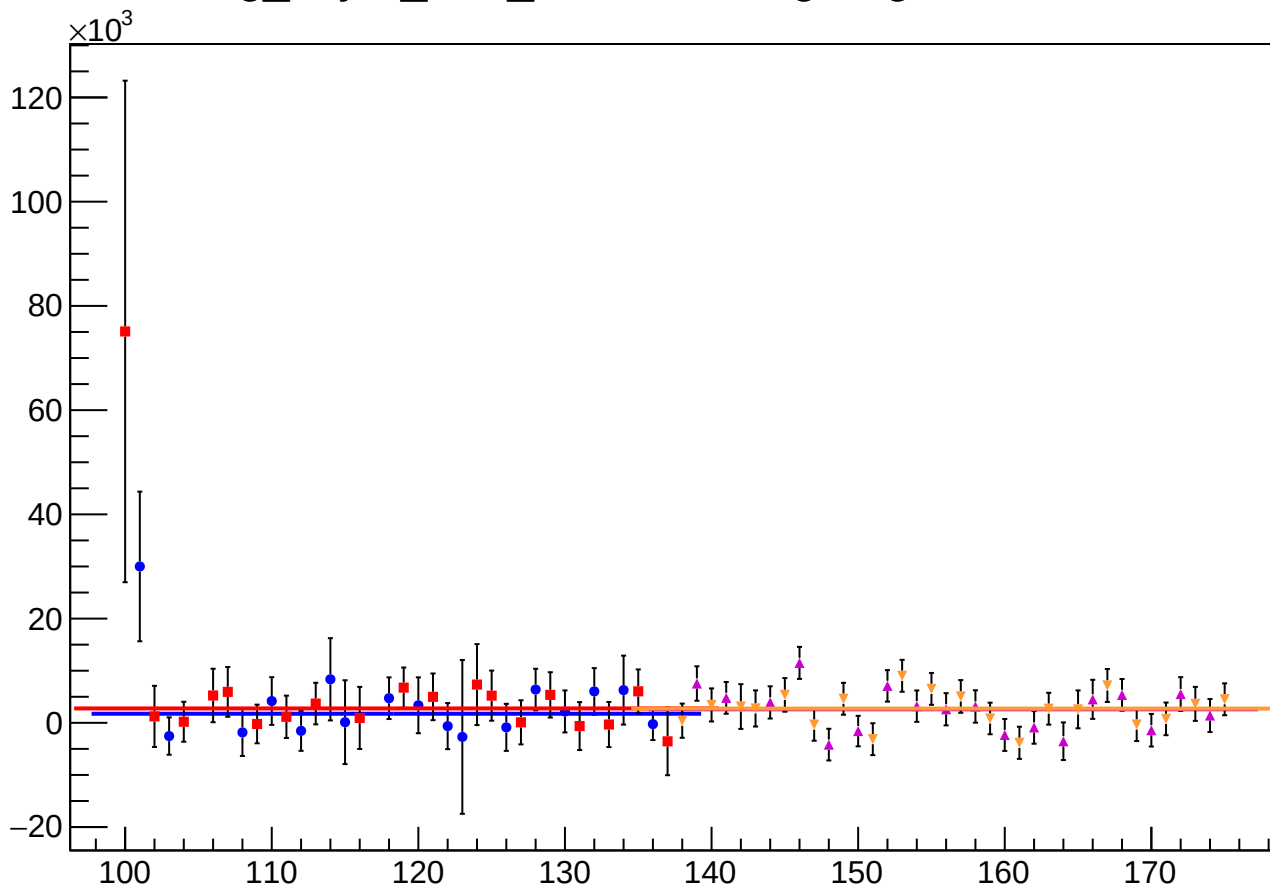
Right: 6302.460+/-1.238 χ^2/NDF : 1115403.3/35

In: 8116.460+/-1.325 χ^2/NDF : 3622311.9/34

Out: 7953.804+/-1.255 χ^2/NDF : 3581601.7/38

All: 8030.750+/-0.911 χ^2/NDF : 7211854.2/73

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2734.001 $\pm$ 714.415 χ^2 /NDF: 21.2/19

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

Left In: 2597.618 $\pm$ 740.256 χ^2 /NDF: 31.0/17

Left: 2668.231 $\pm$ 514.061 χ^2 /NDF: 52.2/37

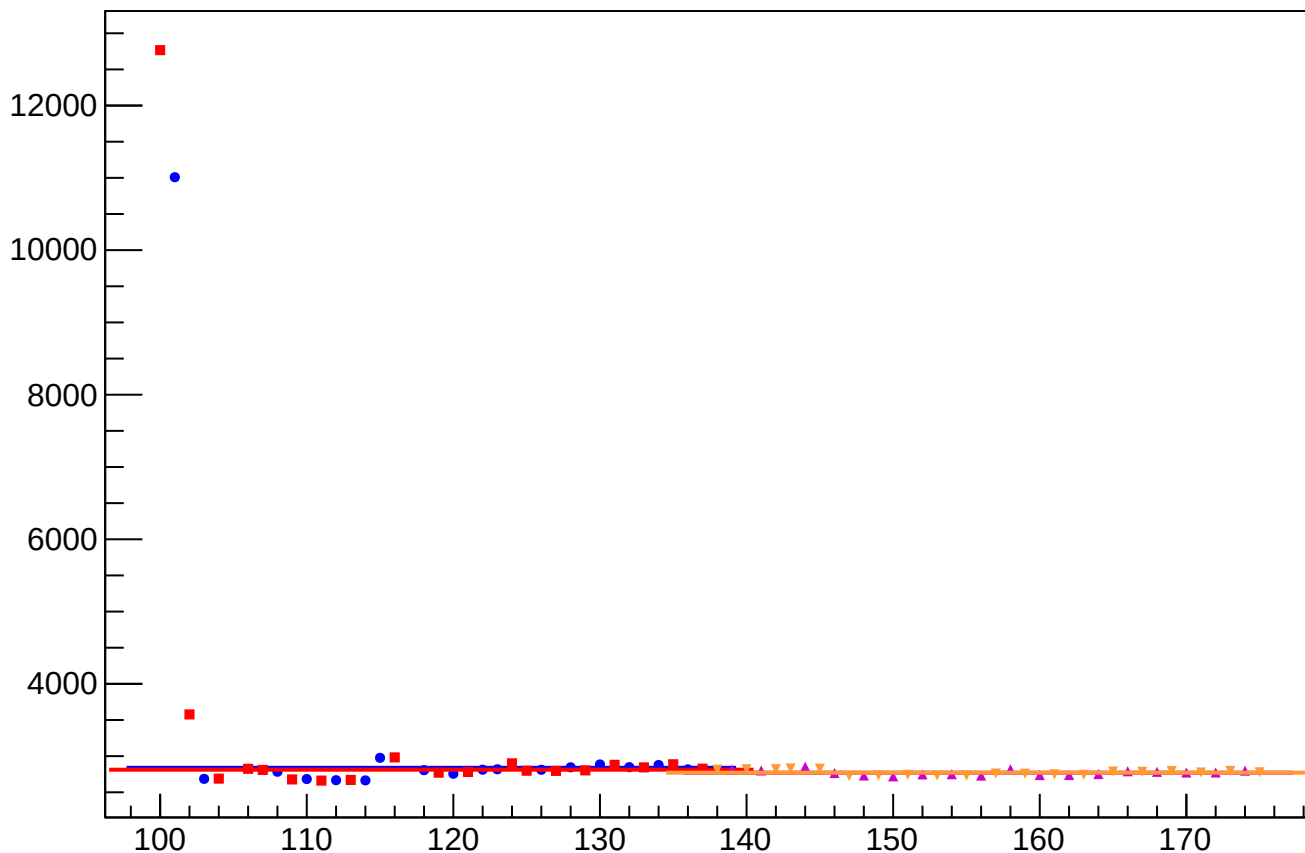
Right: 2281.084 $\pm$ 777.212 χ^2 /NDF: 22.3/35

In: 2341.424 $\pm$ 618.974 χ^2 /NDF: 43.7/34

Out: 2743.185 $\pm$ 594.485 χ^2 /NDF: 30.9/38

All: 2550.410 $\pm$ 428.760 χ^2 /NDF: 74.8/73

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2771.619 $\pm$ 0.505 χ^2 /NDF: 4339.5/19

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

Left In: 2770.894 $\pm$ 0.523 χ^2 /NDF: 4706.3/17

Left: 2771.270 $\pm$ 0.363 χ^2 /NDF: 9046.8/37

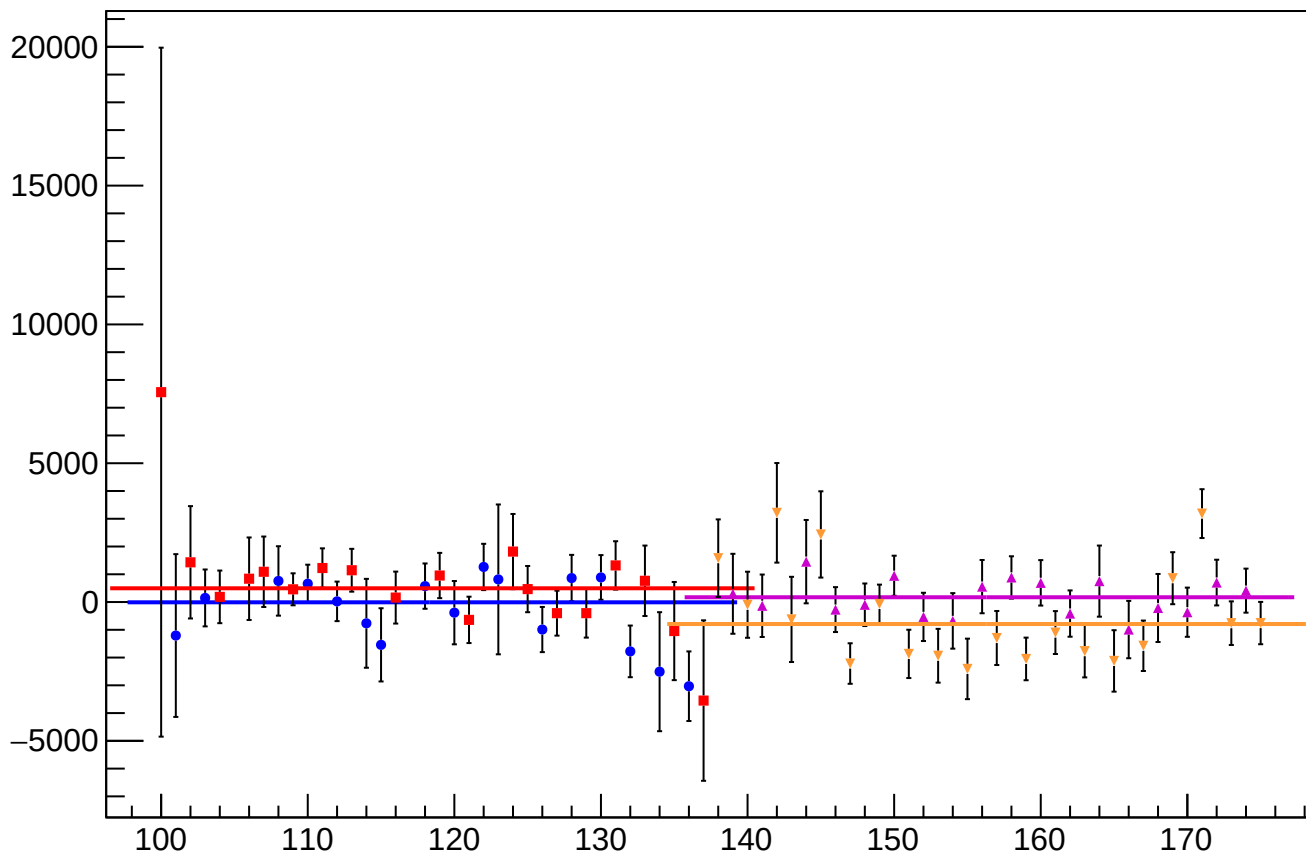
Right: 2825.011 $\pm$ 0.550 χ^2 /NDF: 793836.1/35

In: 2791.304 $\pm$ 0.438 χ^2 /NDF: 669969.2/34

Out: 2784.232 $\pm$ 0.420 χ^2 /NDF: 139430.3/38

All: 2787.625 $\pm$ 0.303 χ^2 /NDF: 809535.3/73

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -9.845 ± 241.678 $\chi^2/\text{NDF}: 20.7/16$

Left Out: -792.223 ± 209.035 $\chi^2/\text{NDF}: 52.5/19$

Right Out: 495.250 ± 221.487 $\chi^2/\text{NDF}: 11.9/18$

Left In: 172.304 ± 215.769 $\chi^2/\text{NDF}: 8.2/17$

Left: -325.244 ± 150.134 $\chi^2/\text{NDF}: 70.9/37$

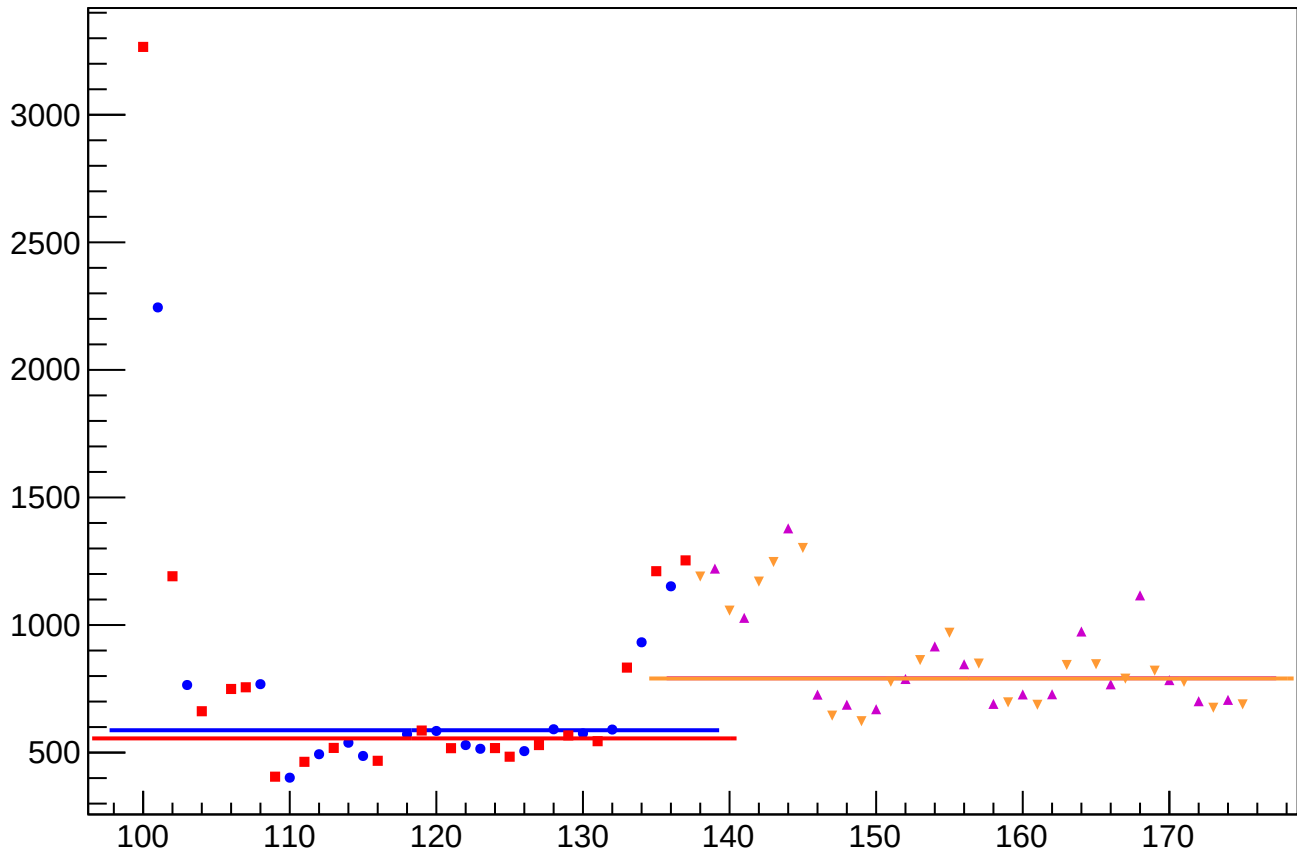
Right: 264.680 ± 163.287 $\chi^2/\text{NDF}: 35.0/35$

In: 91.513 ± 160.955 $\chi^2/\text{NDF}: 29.2/34$

Out: -185.692 ± 152.022 $\chi^2/\text{NDF}: 82.2/38$

All: -54.995 ± 110.519 $\chi^2/\text{NDF}: 113.0/73$

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 790.414+/-0.148 χ^2/NDF : 1172333.7/19

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

Left In: 791.371+/-0.153 χ^2/NDF : 1004064.0/17

Left: 790.877+/-0.106 χ^2/NDF : 2176418.0/37

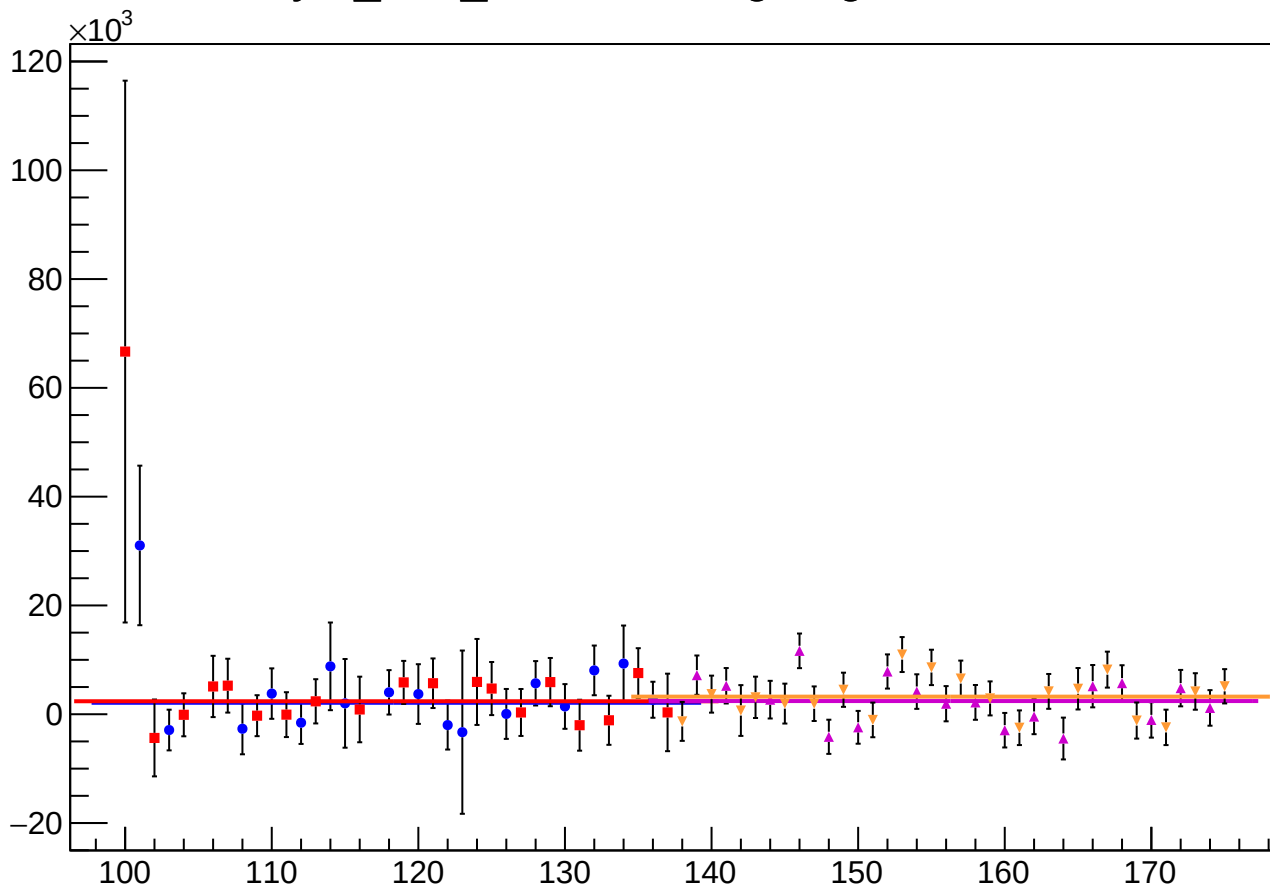
Right: 570.170+/-0.115 χ^2/NDF : 2551661.9/35

In: 700.988+/-0.114 χ^2/NDF : 3221035.4/34

Out: 679.761+/-0.107 χ^2/NDF : 3468685.7/38

All: 689.769+/-0.078 χ^2/NDF : 6708105.7/73

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3233.879 $\pm$ 751.682 χ^2 /NDF:24.7/19

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

Left In: 2422.135 $\pm$ 777.141 χ^2 /NDF:31.3/17

Left: 2841.521 $\pm$ 540.296 χ^2 /NDF: 56.5/37

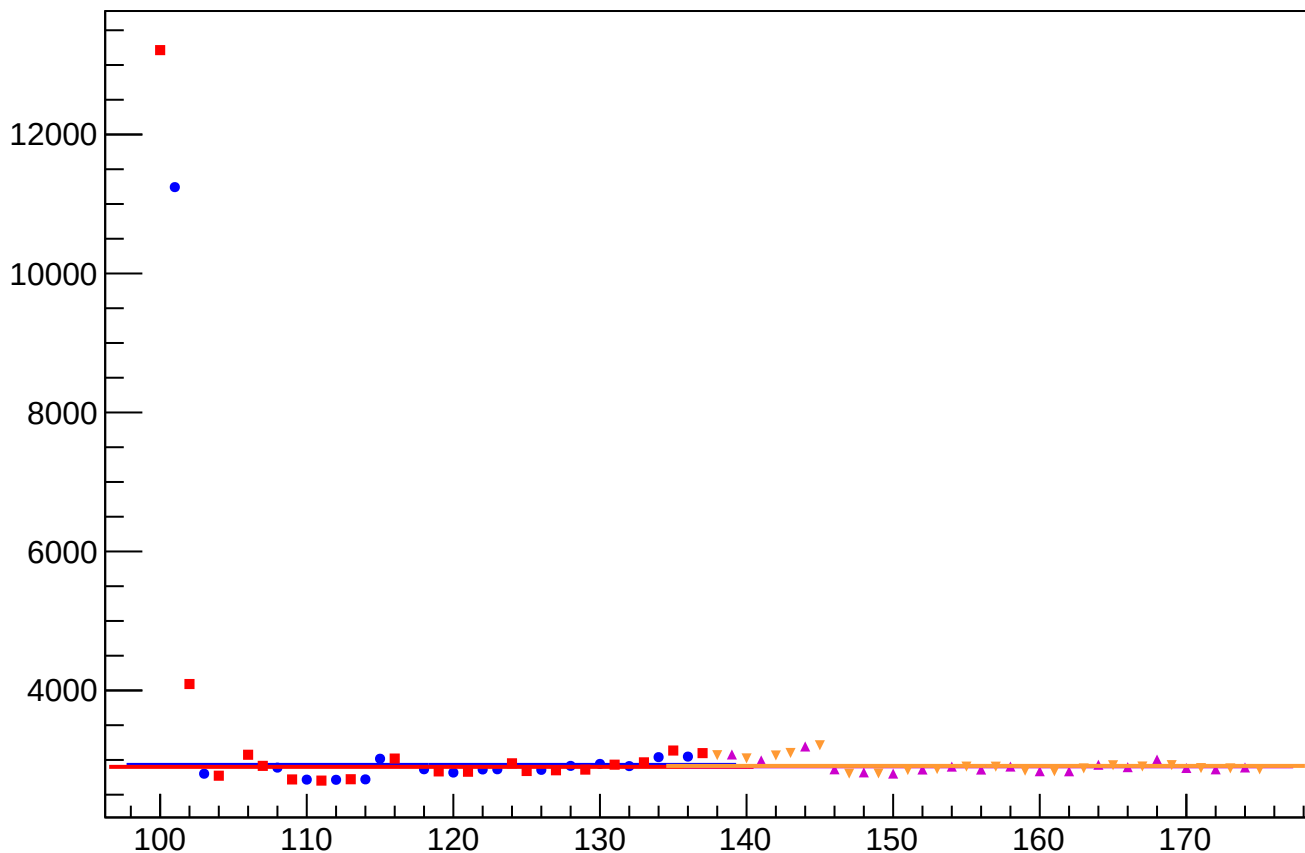
Right: 2253.766 $\pm$ 803.505 χ^2 /NDF: 23.4/35

In: 2325.474 $\pm$ 646.385 χ^2 /NDF:44.8/34

Out: 2967.336 $\pm$ 622.441 χ^2 /NDF:35.0/38

All: 2658.513 $\pm$ 448.358 χ^2 /NDF: 80.3/73

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2914.376+/-0.532 χ^2/NDF : 35048.7/19

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

Left In: 2907.726+/-0.550 χ^2/NDF : 28829.6/17

Left: 2911.162+/-0.382 χ^2/NDF : 63954.0/37

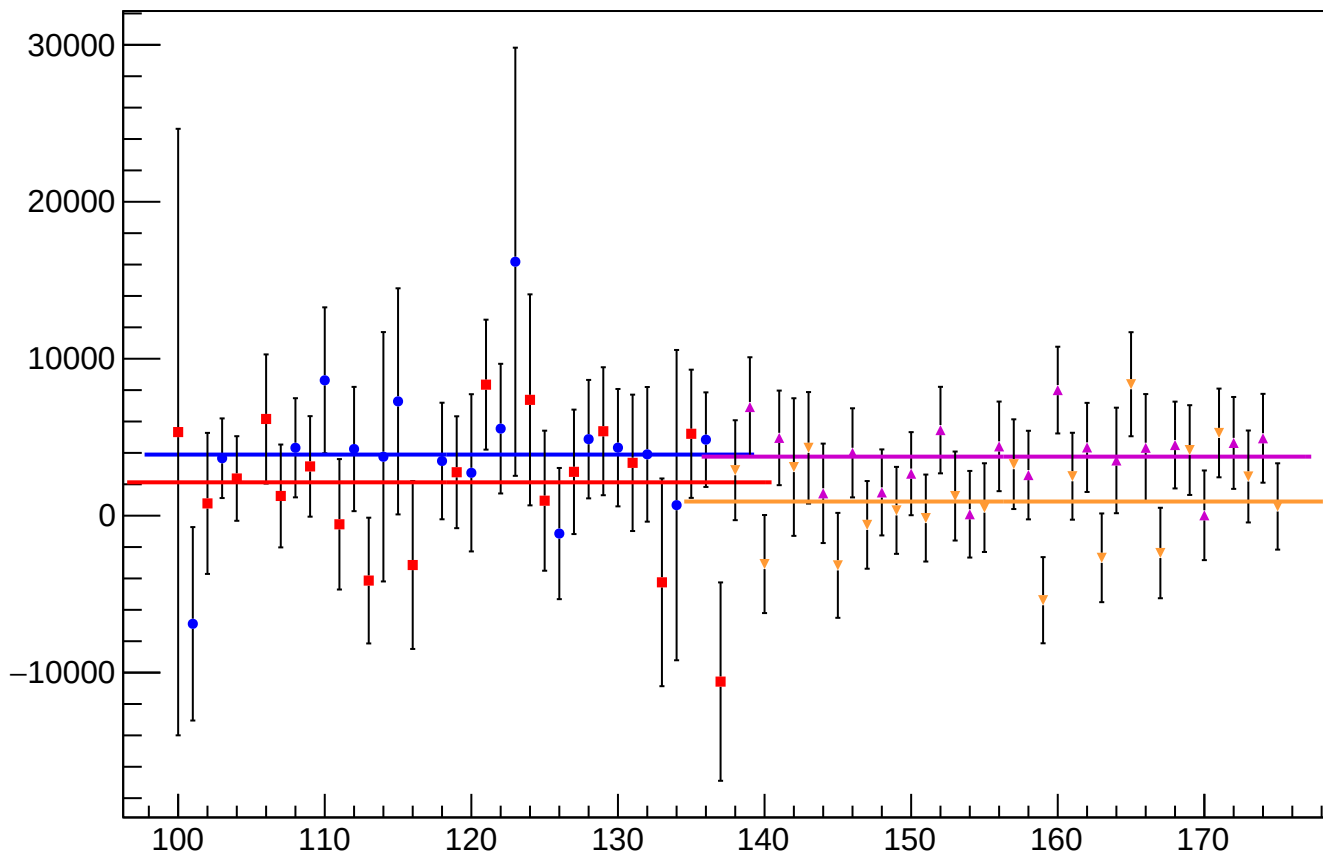
Right: 2913.915+/-0.568 χ^2/NDF : 832699.2/35

In: 2914.190+/-0.457 χ^2/NDF : 691641.5/34

Out: 2910.006+/-0.440 χ^2/NDF : 204984.4/38

All: 2912.019+/-0.317 χ^2/NDF : 896669.4/73

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 901.079 ± 662.536 χ^2/NDF : 23.5/19

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

Left In: 3761.071 ± 682.947 χ^2/NDF : 9.4/17

Left: 2287.699 ± 475.536 χ^2/NDF : 41.9/37

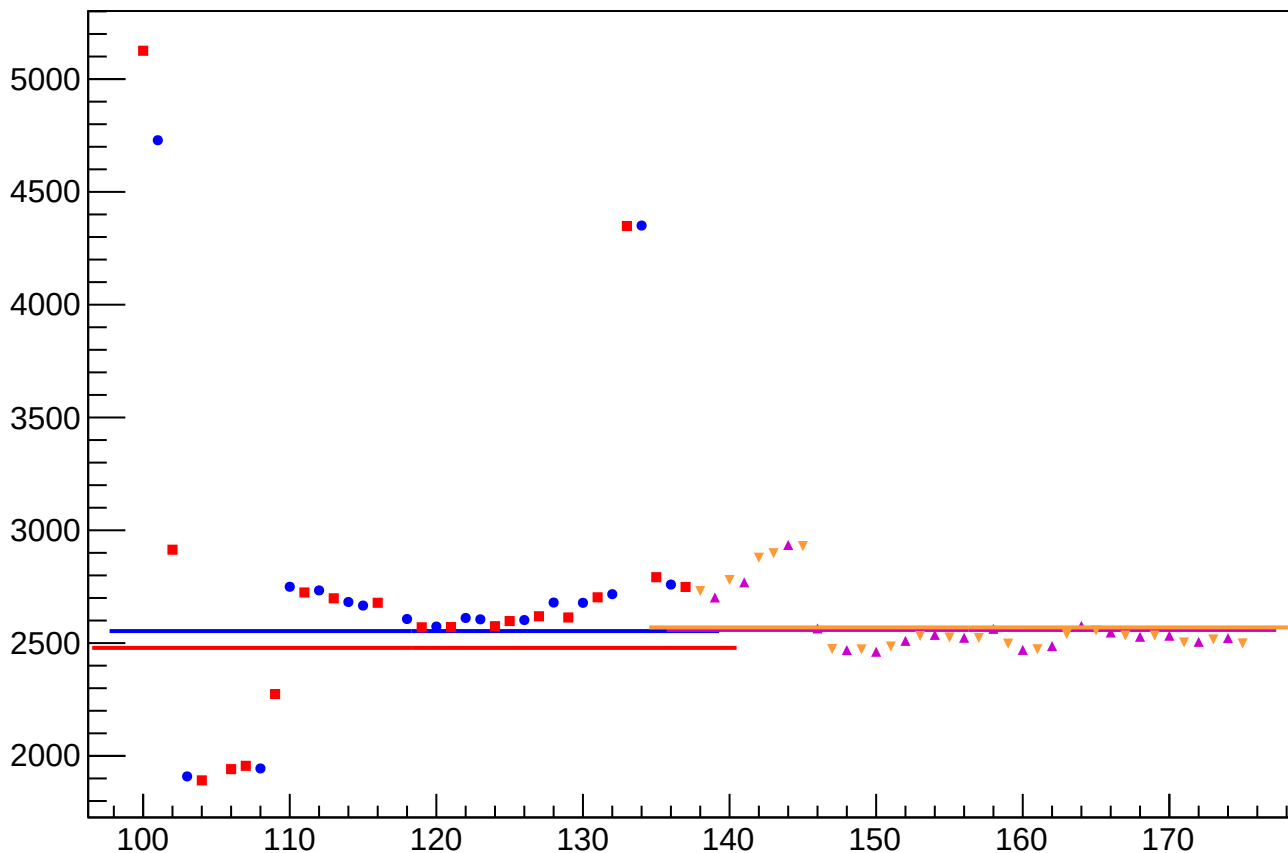
Right: 2960.811 ± 695.784 χ^2/NDF : 23.1/35

In: 3802.214 ± 566.050 χ^2/NDF : 16.5/34

Out: 1296.737 ± 544.994 χ^2/NDF : 38.9/38

All: 2502.009 ± 392.602 χ^2/NDF : 65.6/73

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2569.484 $\pm$ 0.468 χ^2 /NDF: 80361.5/19

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

Left In: 2558.287 $\pm$ 0.483 χ^2 /NDF: 52795.1/17

Left: 2564.056 $\pm$ 0.336 χ^2 /NDF: 133433.6/37

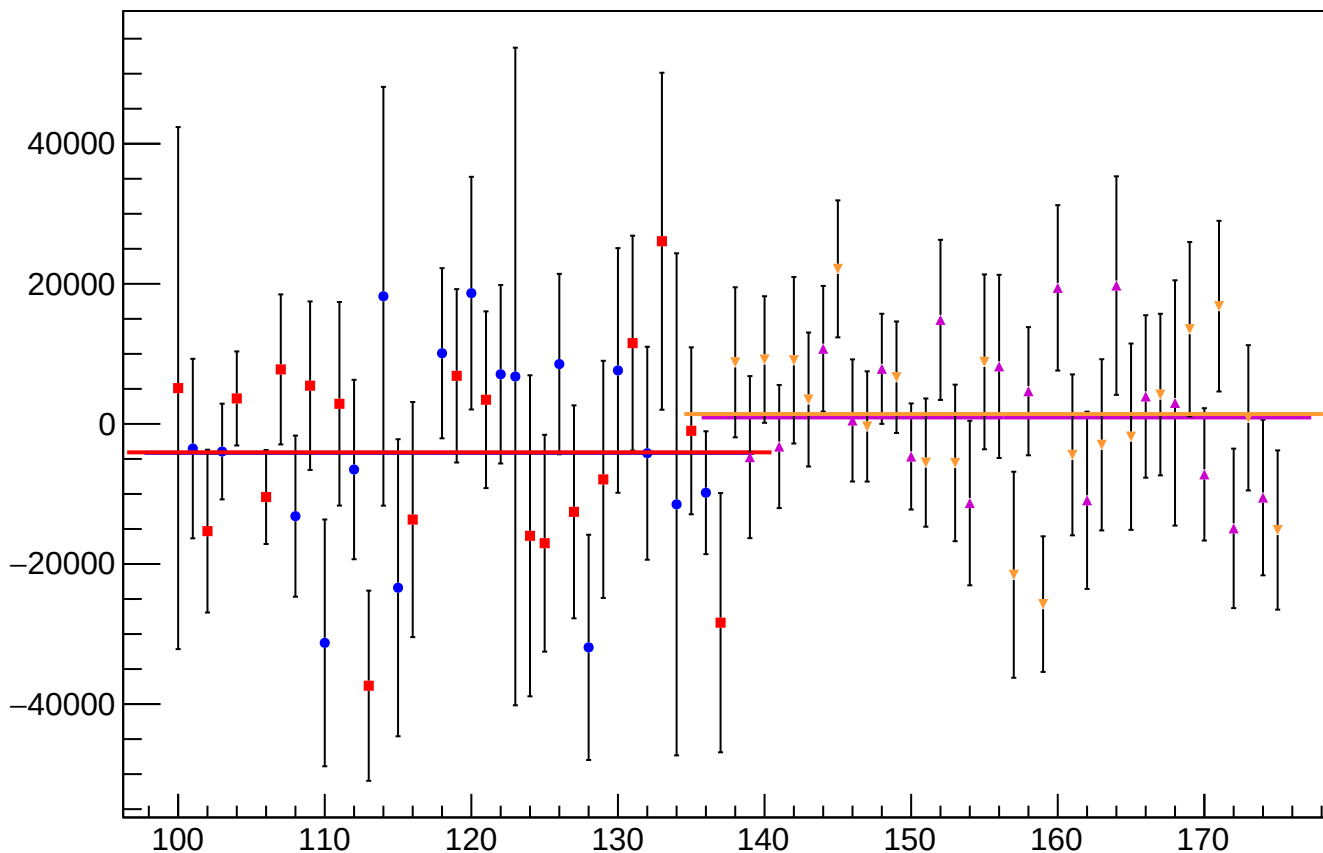
Right: 2514.058 $\pm$ 0.492 χ^2 /NDF: 1000433.0/35

In: 2556.720 $\pm$ 0.400 χ^2 /NDF: 598055.7/34

Out: 2540.181 $\pm$ 0.385 χ^2 /NDF: 541963.9/38

All: 2548.137 $\pm$ 0.278 χ^2 /NDF: 1140905.6/73

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -4126.319 $\pm$ 3227.044 χ^2 /NDF: 13.4/16

Left Out: 1407.272 $\pm$ 2352.638 χ^2 /NDF: 23.4/19

Right Out: -4060.328 $\pm$ 2834.326 χ^2 /NDF: 18.5/18

Left In: 924.442 $\pm$ 2442.970 χ^2 /NDF: 14.6/17

Left: 1174.949 $\pm$ 1694.601 χ^2 /NDF: 38.1/37

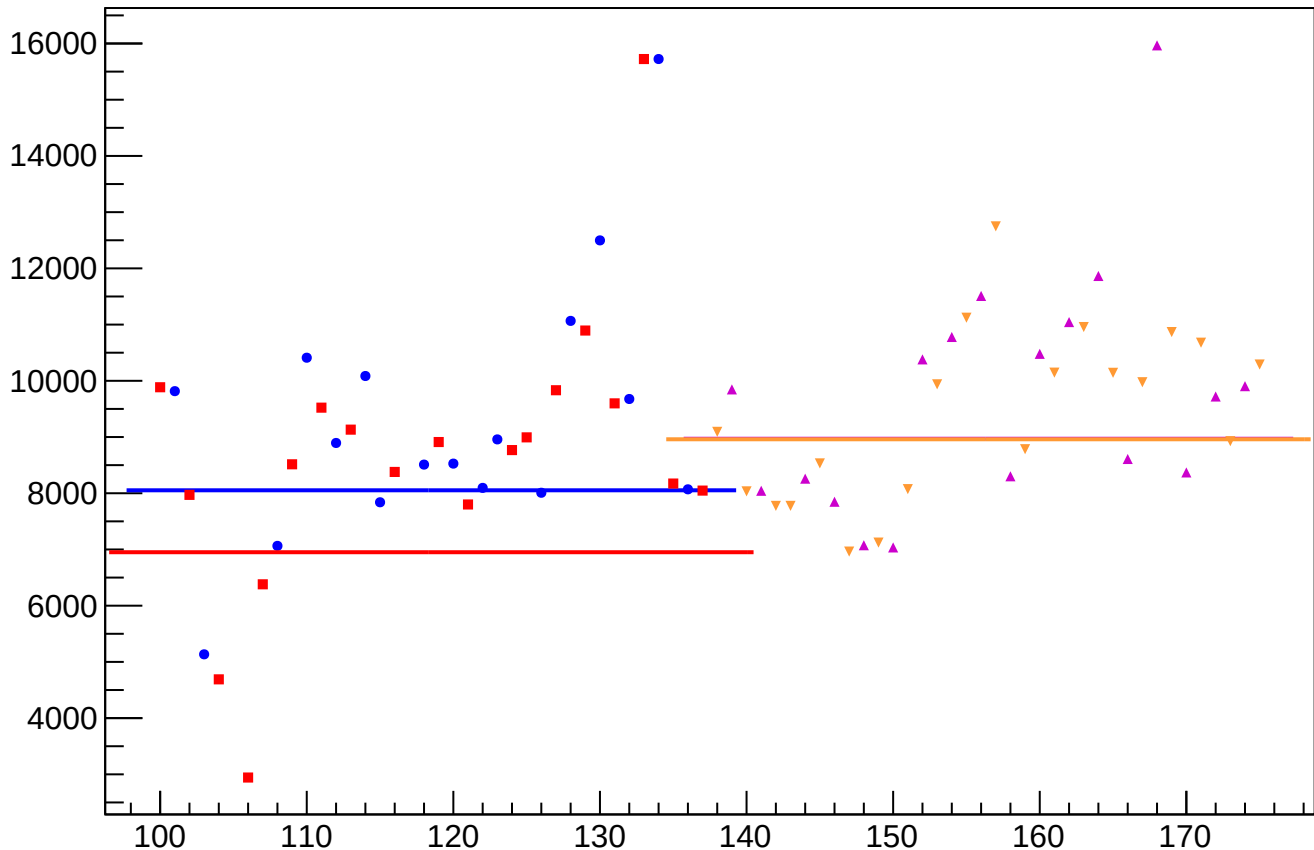
Right: -4089.066 $\pm$ 2129.557 χ^2 /NDF: 31.9/35

In: -915.604 $\pm$ 1947.784 χ^2 /NDF: 29.6/34

Out: -823.120 $\pm$ 1810.264 χ^2 /NDF: 44.2/38

All: -865.982 $\pm$ 1326.004 χ^2 /NDF: 73.7/73

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8960.026 $\pm$ 1.664 χ^2 /NDF: 758660.2/19

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

Left In: 8969.452 $\pm$ 1.727 χ^2 /NDF: 997455.5/17

Left: 8964.561 $\pm$ 1.198 χ^2 /NDF: 1756131.2/37

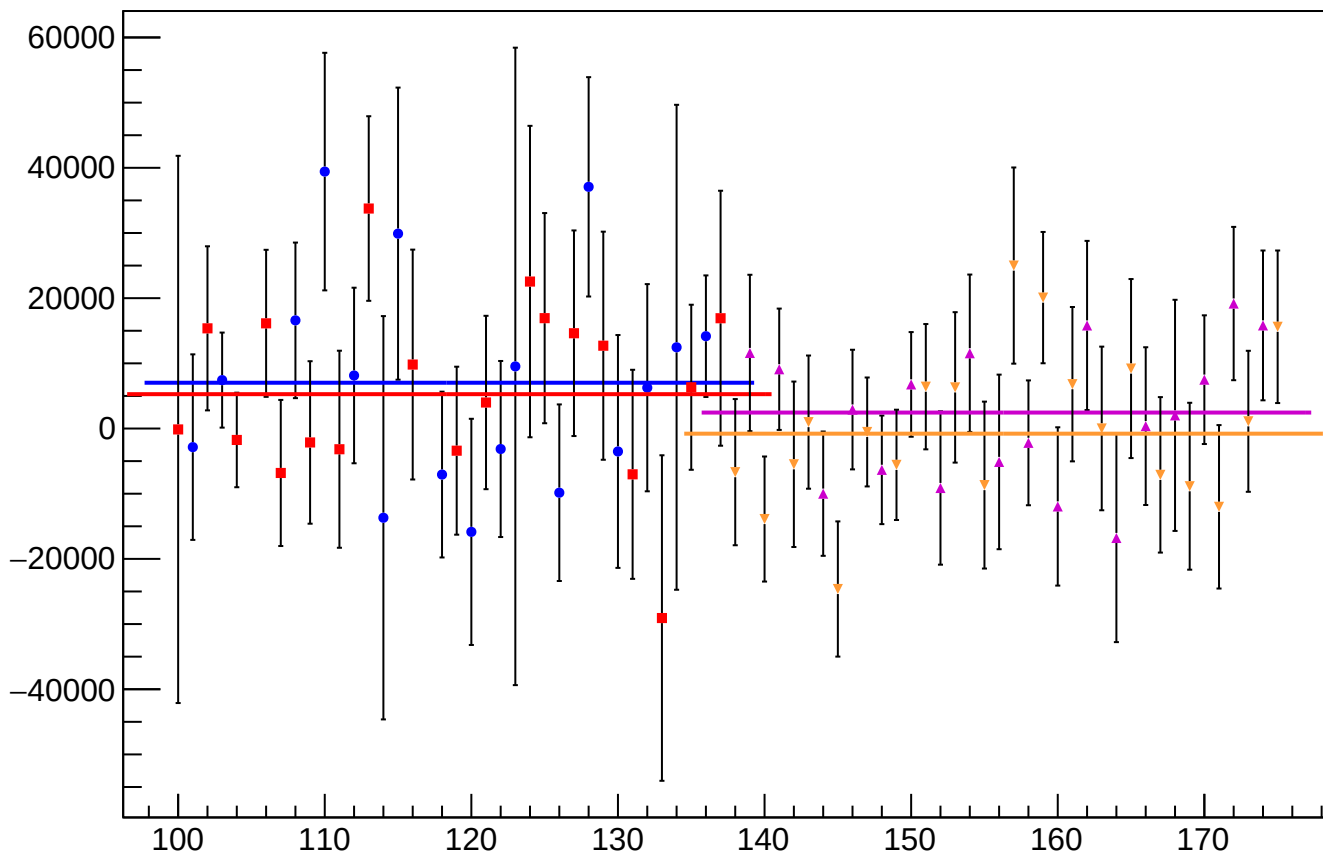
Right: 7430.673 $\pm$ 1.506 χ^2 /NDF: 2698872.2/35

In: 8635.416 $\pm$ 1.377 χ^2 /NDF: 1890818.1/34

Out: 8140.463 $\pm$ 1.280 χ^2 /NDF: 3130215.5/38

All: 8369.852 $\pm$ 0.938 χ^2 /NDF: 5090325.3/73

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -788.909+/-2461.813 χ^2/NDF : 20.9/19

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

Left In: 2449.084+/-2551.926 χ^2/NDF : 13.9/17

Left: 771.909+/-1771.766 χ^2/NDF : 35.6/37

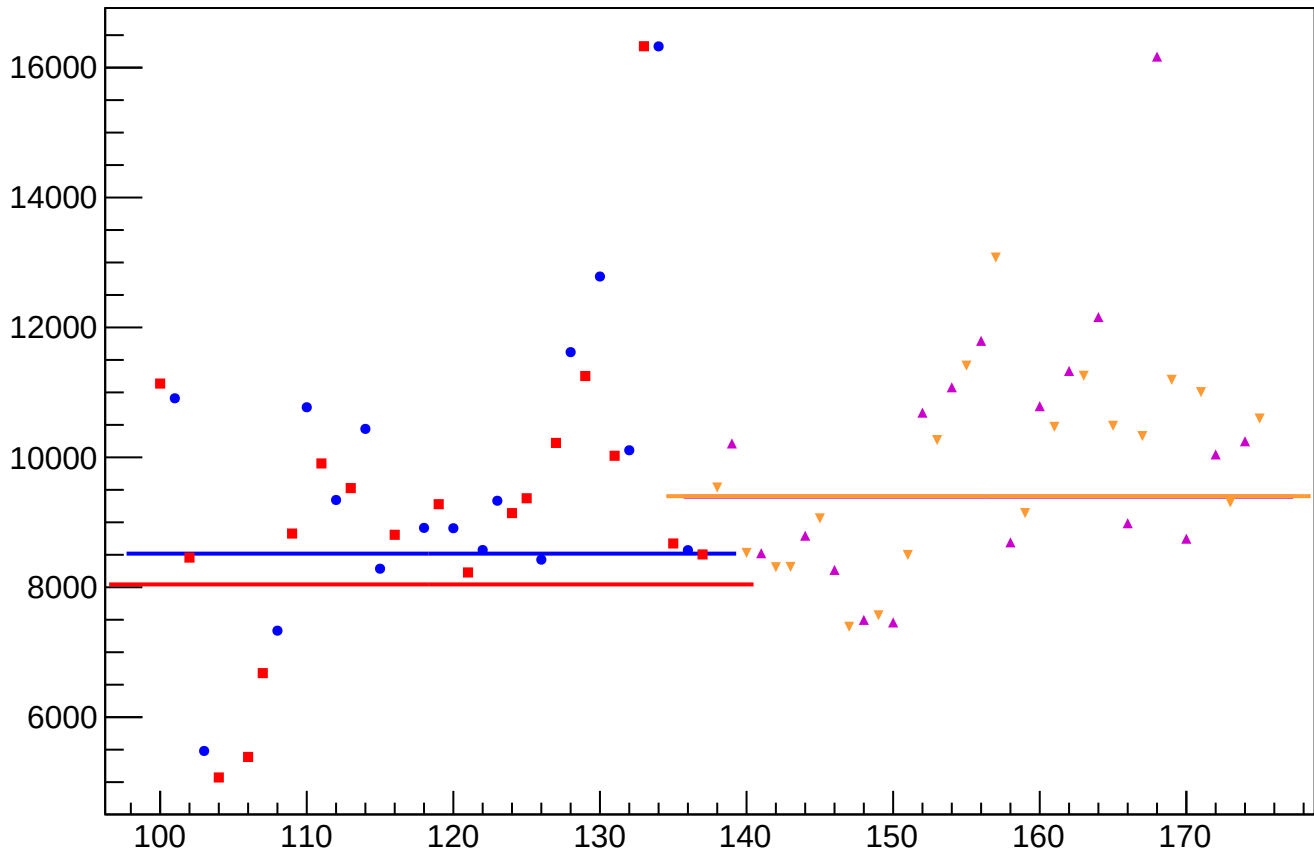
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 4092.275+/-2043.033 χ^2/NDF : 30.0/34

Out: 1492.806+/-1943.933 χ^2/NDF : 36.5/38

All: 2727.968+/-1408.299 χ^2/NDF : 67.4/73

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 9402.440+/-1.741 χ^2/NDF : 642192.3/19

Right Out: 8043.998+/-2.240 χ^2/NDF : 952125.8/18

Left In: 9394.631+/-1.804 χ^2/NDF : 873721.9/17

Left: 9398.676+/-1.253 χ^2/NDF : 1515923.9/37

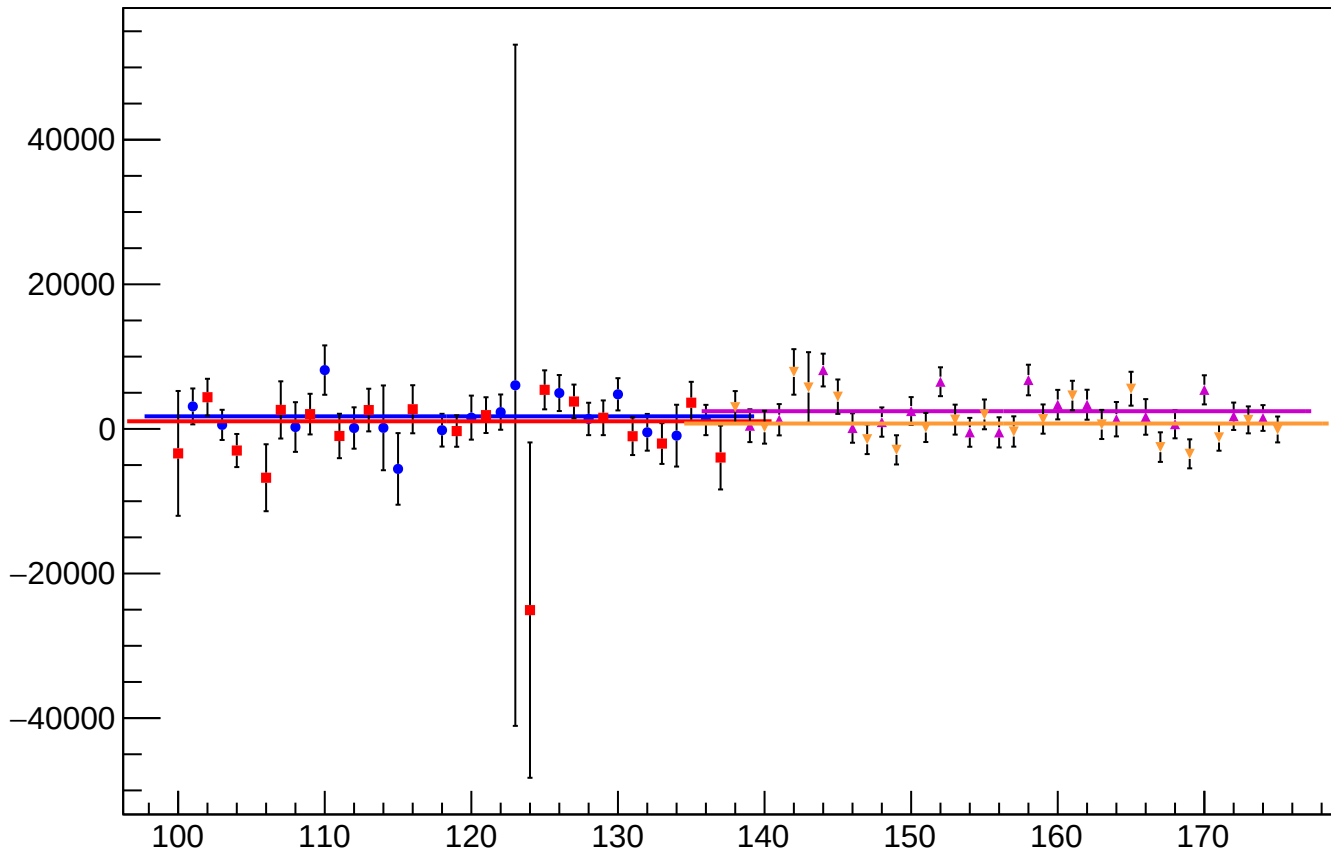
Right: 8263.573+/-1.641 χ^2/NDF : 1736141.9/35

In: 9079.823+/-1.445 χ^2/NDF : 1721767.4/34

Out: 8890.995+/-1.375 χ^2/NDF : 1823594.8/38

All: 8980.717+/-0.996 χ^2/NDF : 3554329.2/73

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 745.727±/-474.943 χ^2 /NDF:31.1/19

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

Left In: 2450.567±/-486.509 χ^2 /NDF:25.8/17

Left: 1577.642±/-339.851 χ^2 /NDF: 63.1/37

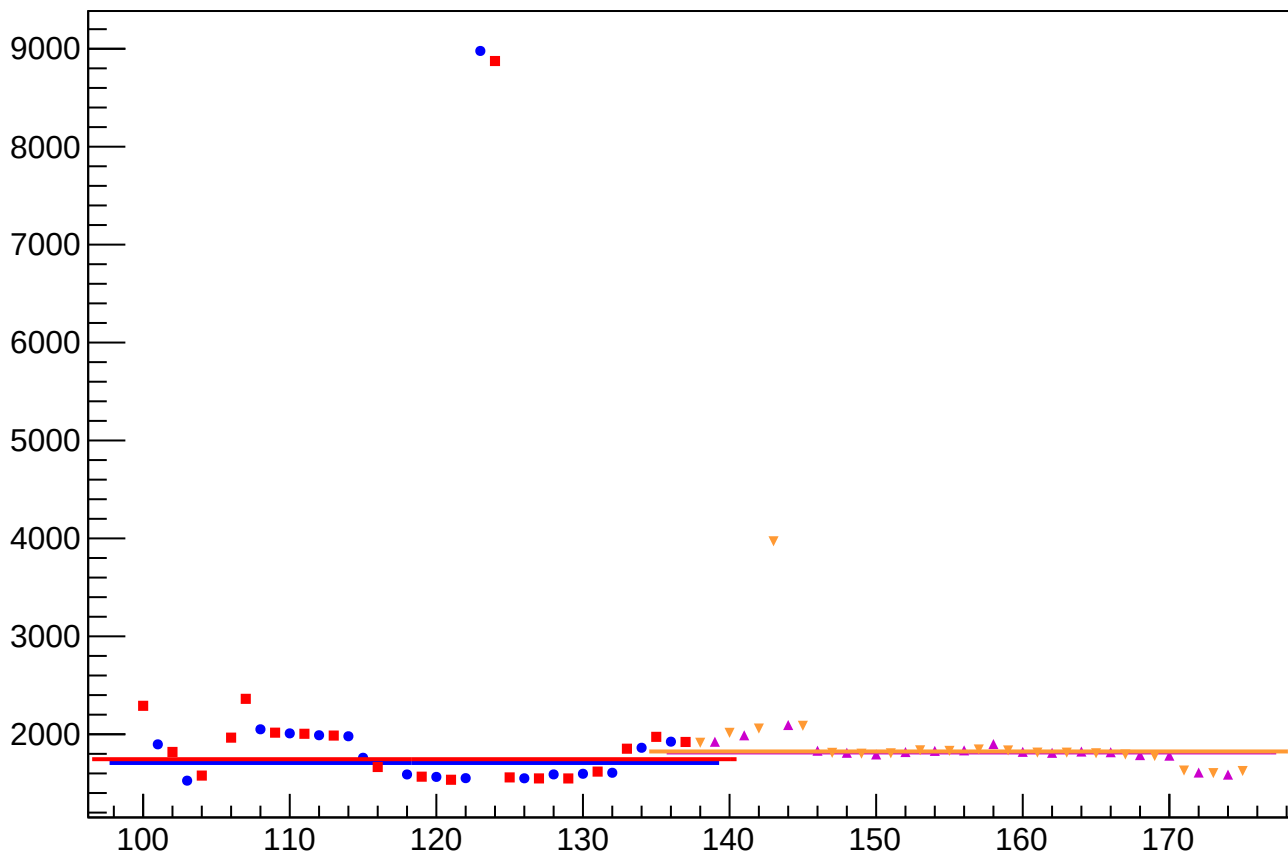
Right: 1397.913±/-474.249 χ^2 /NDF: 31.8/35

In: 2205.319±/-393.751 χ^2 /NDF:38.9/34

Out: 849.153±/-387.657 χ^2 /NDF:50.1/38

All: 1516.662±/-276.244 χ^2 /NDF: 95.0/73

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1824.344+/-0.336 χ^2/NDF : 516217.8/19

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

Left In: 1814.190+/-0.344 χ^2/NDF : 109047.4/17

Left: 1819.389+/-0.240 χ^2/NDF : 625711.3/37

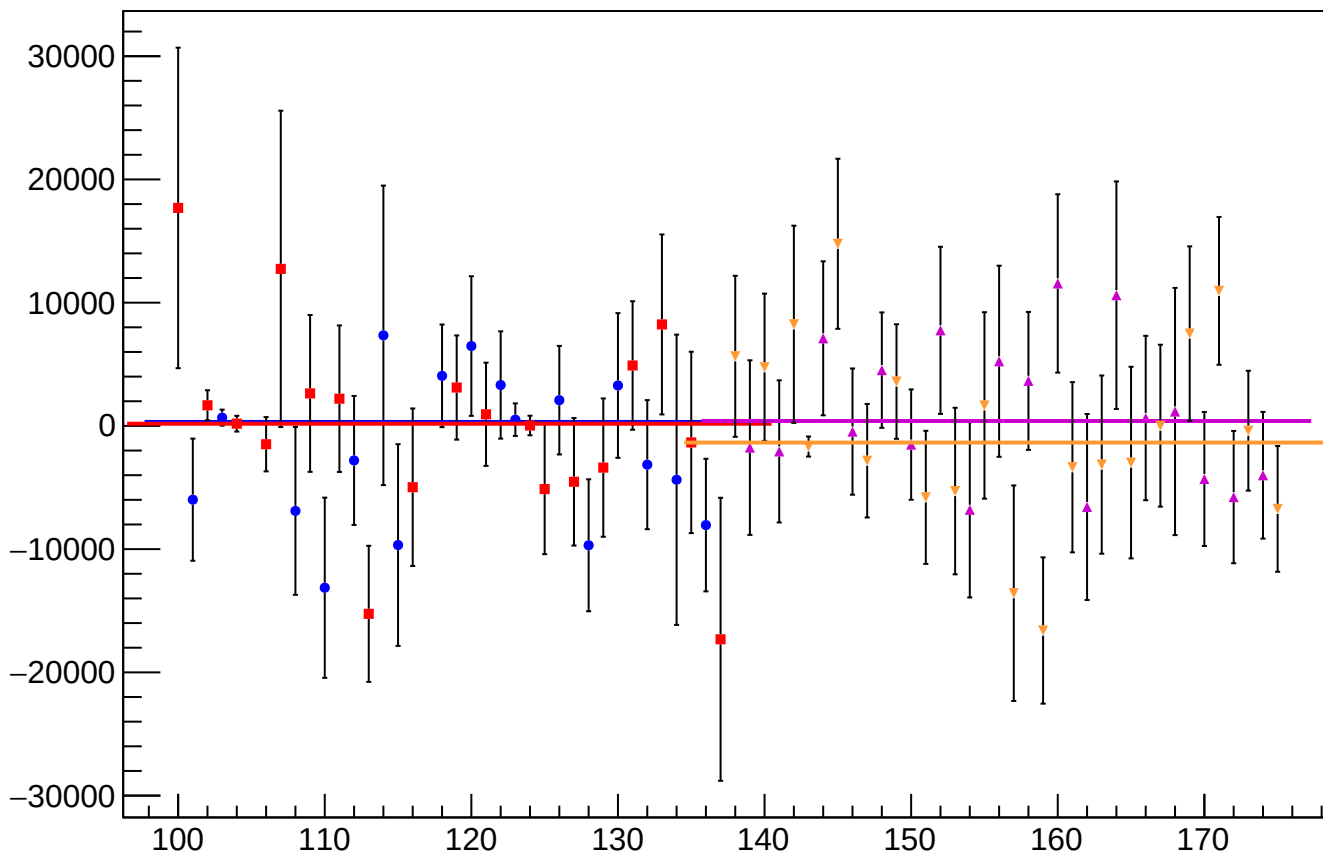
Right: 1726.220+/-0.335 χ^2/NDF : 600688.4/35

In: 1777.167+/-0.278 χ^2/NDF : 340177.7/34

Out: 1797.848+/-0.274 χ^2/NDF : 934567.8/38

All: 1787.684+/-0.195 χ^2/NDF : 1277551.3/73

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1352.617+/-705.079 χ^2/NDF : 27.4/19

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

Left In: 397.347+/-1433.760 χ^2/NDF : 12.6/17

Left: -1011.826+/-632.712 χ^2/NDF : 41.2/37

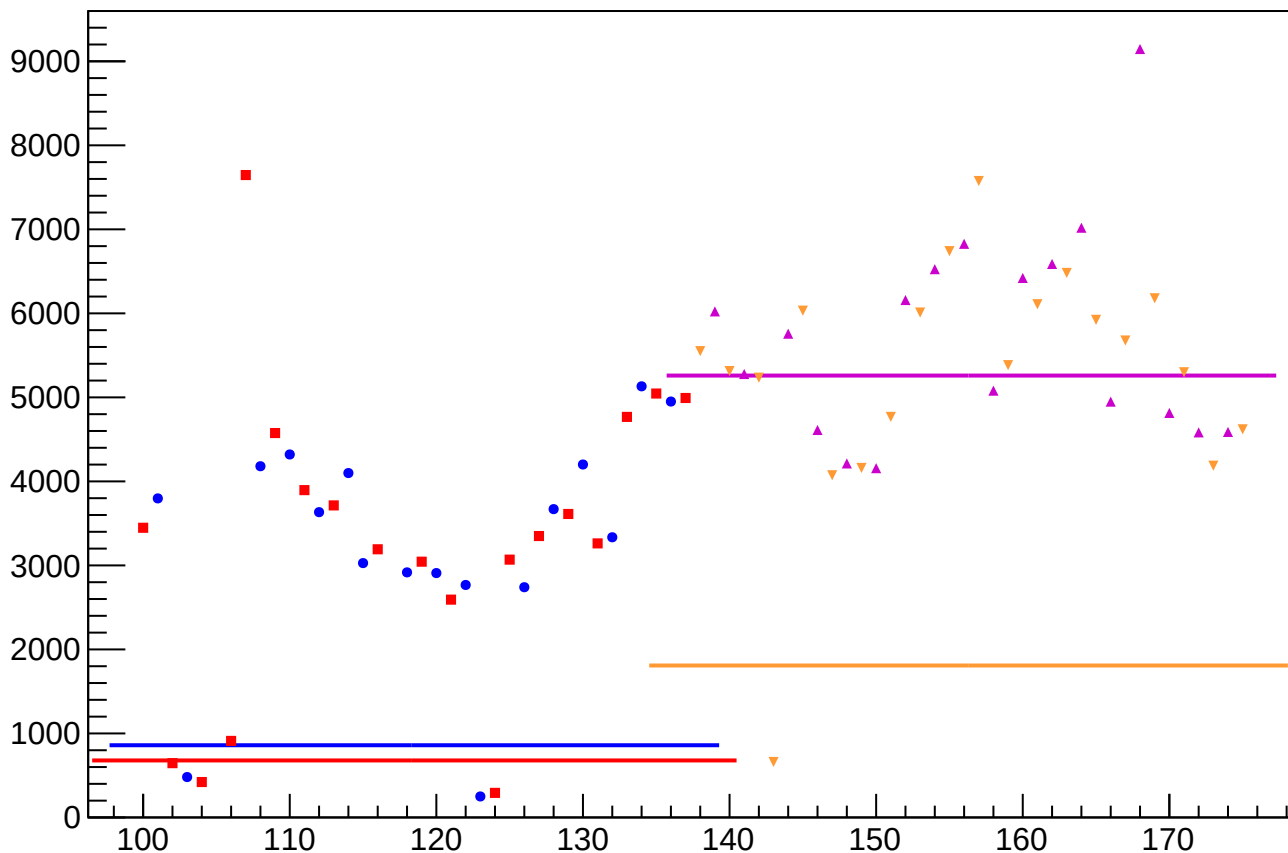
Right: 233.134+/-338.167 χ^2/NDF : 38.8/35

In: 330.408+/-505.661 χ^2/NDF : 30.6/34

Out: -242.931+/-369.318 χ^2/NDF : 51.6/38

All: -43.484+/-298.241 χ^2/NDF : 83.0/73

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1808.735+/-0.499 χ^2/NDF : 16636461.6/19

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

Left In: 5259.548+/-1.014 χ^2/NDF : 1041434.8/17

Left: 2480.751+/-0.447 χ^2/NDF : 27007327.3/37

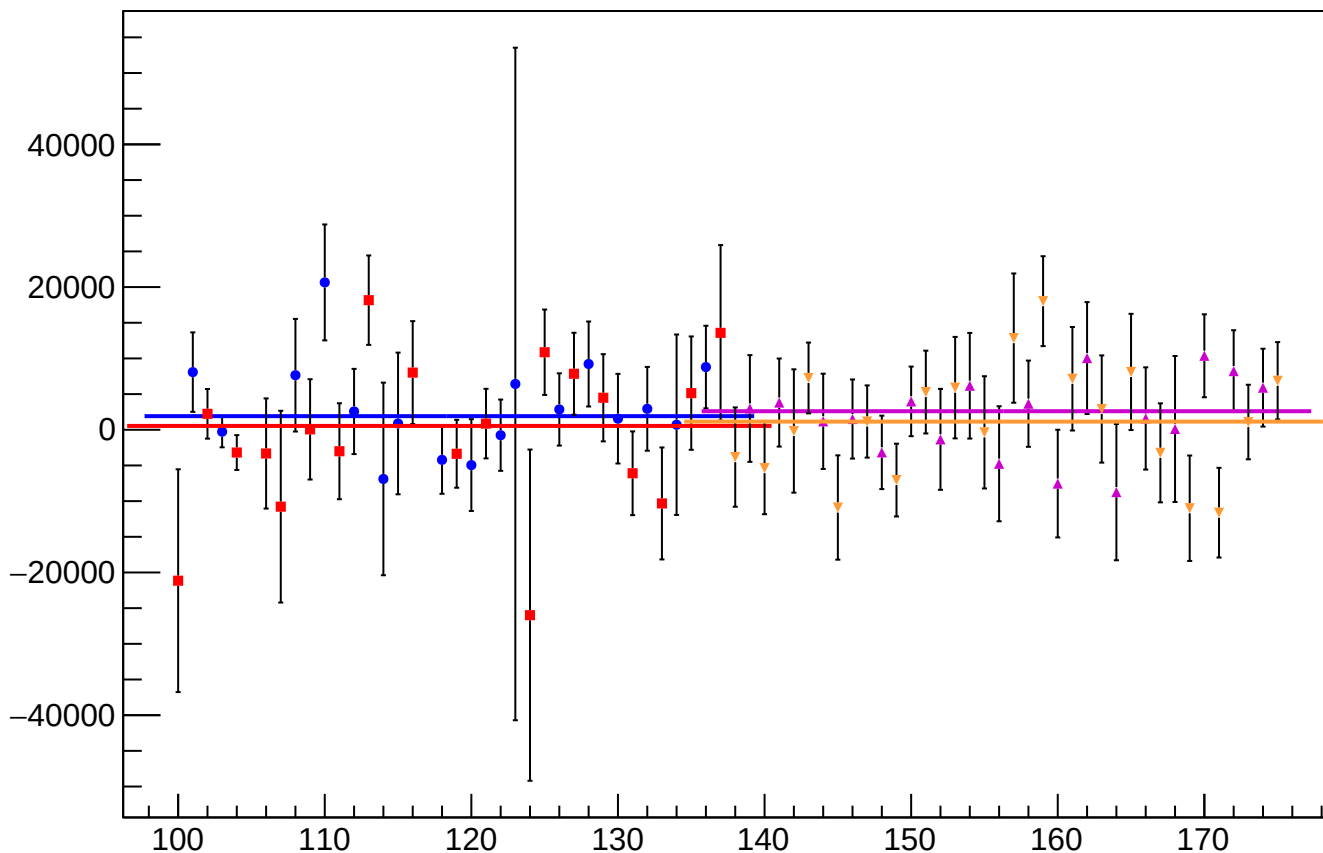
Right: 749.467+/-0.239 χ^2/NDF : 16664518.8/35

In: 1406.846+/-0.358 χ^2/NDF : 25677487.1/34

Out: 988.669+/-0.261 χ^2/NDF : 28749753.7/38

All: 1134.140+/-0.211 χ^2/NDF : 55319244.8/7

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1144.878 $\pm$ 1436.134 χ^2 /NDF:28.0/19

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

Left In: 2601.438 $\pm$ 1529.820 χ^2 /NDF:10.2/17

Left: 1827.196 $\pm$ 1047.055 χ^2 /NDF: 38.7/37

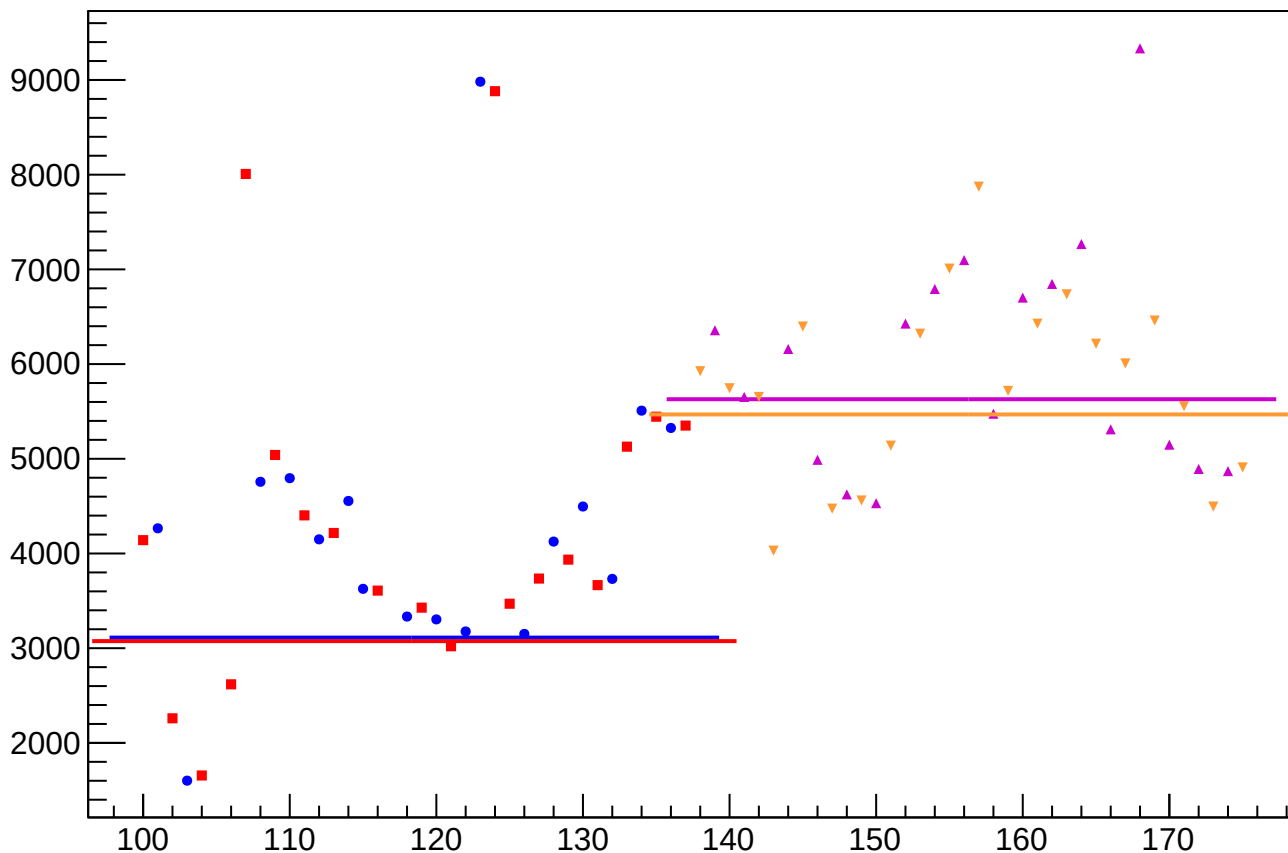
Right: 1211.574 $\pm$ 917.716 χ^2 /NDF: 41.6/35

In: 2202.196 $\pm$ 995.131 χ^2 /NDF:24.9/34

Out: 808.886 $\pm$ 957.961 χ^2 /NDF:54.5/38

All: 1479.034 $\pm$ 690.147 χ^2 /NDF: 80.4/73

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5468.269 $\pm$ 1.016 χ^2 /NDF: 858113.4/19

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

Left In: 5628.978 $\pm$ 1.082 χ^2 /NDF: 877238.8/17

Left: 5543.552 $\pm$ 0.740 χ^2 /NDF: 1747084.4/37

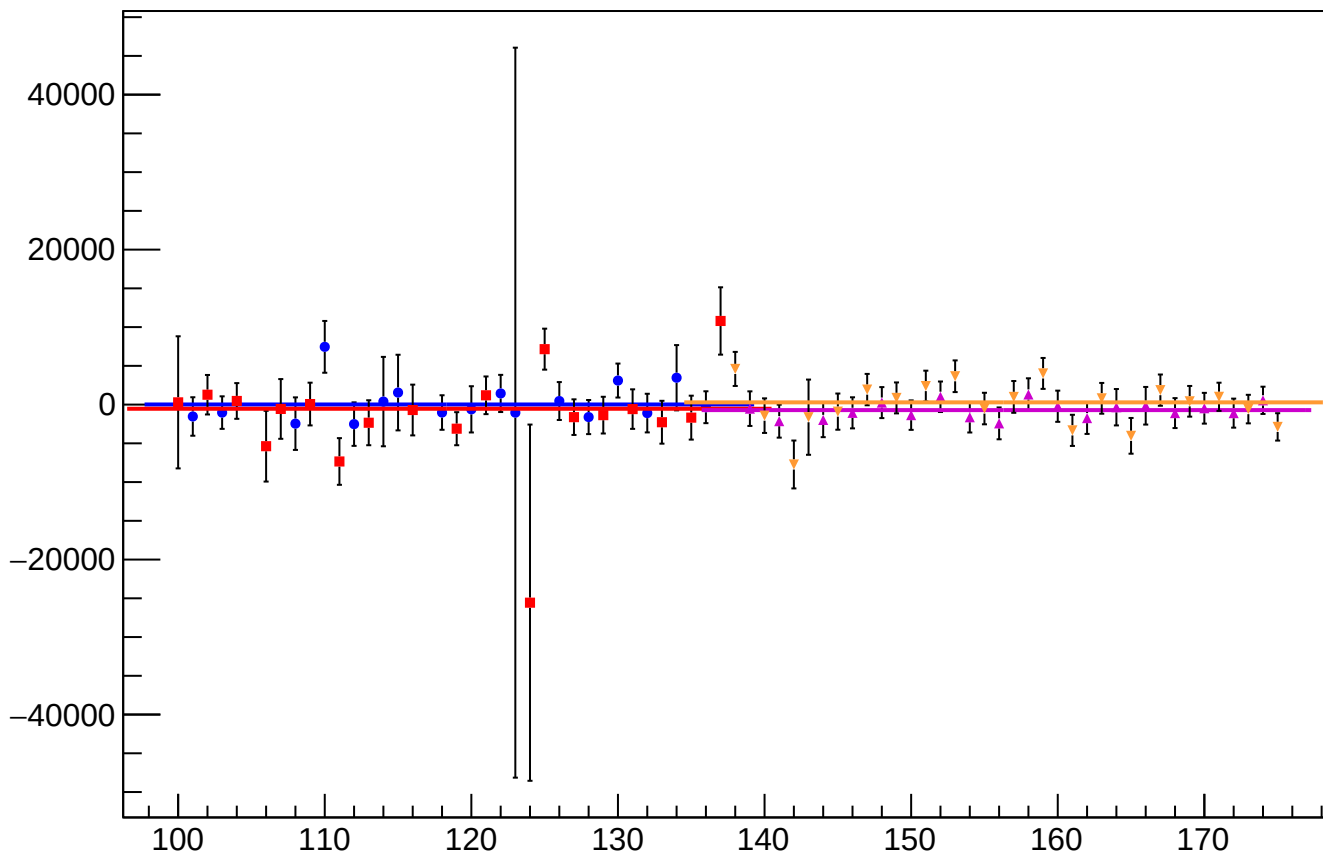
Right: 3092.680 $\pm$ 0.644 χ^2 /NDF: 3886012.7/35

In: 4176.918 $\pm$ 0.704 χ^2 /NDF: 5880313.4/34

Out: 4122.542 $\pm$ 0.672 χ^2 /NDF: 5987156.7/38

All: 4148.475 $\pm$ 0.486 χ^2 /NDF: 11870593.6/71

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 288.142+/-468.078 χ^2/NDF : 31.0/19

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

Left In: -711.009+/-479.597 χ^2/NDF : 4.8/17

Left: -199.290+/-334.980 χ^2/NDF : 38.0/37

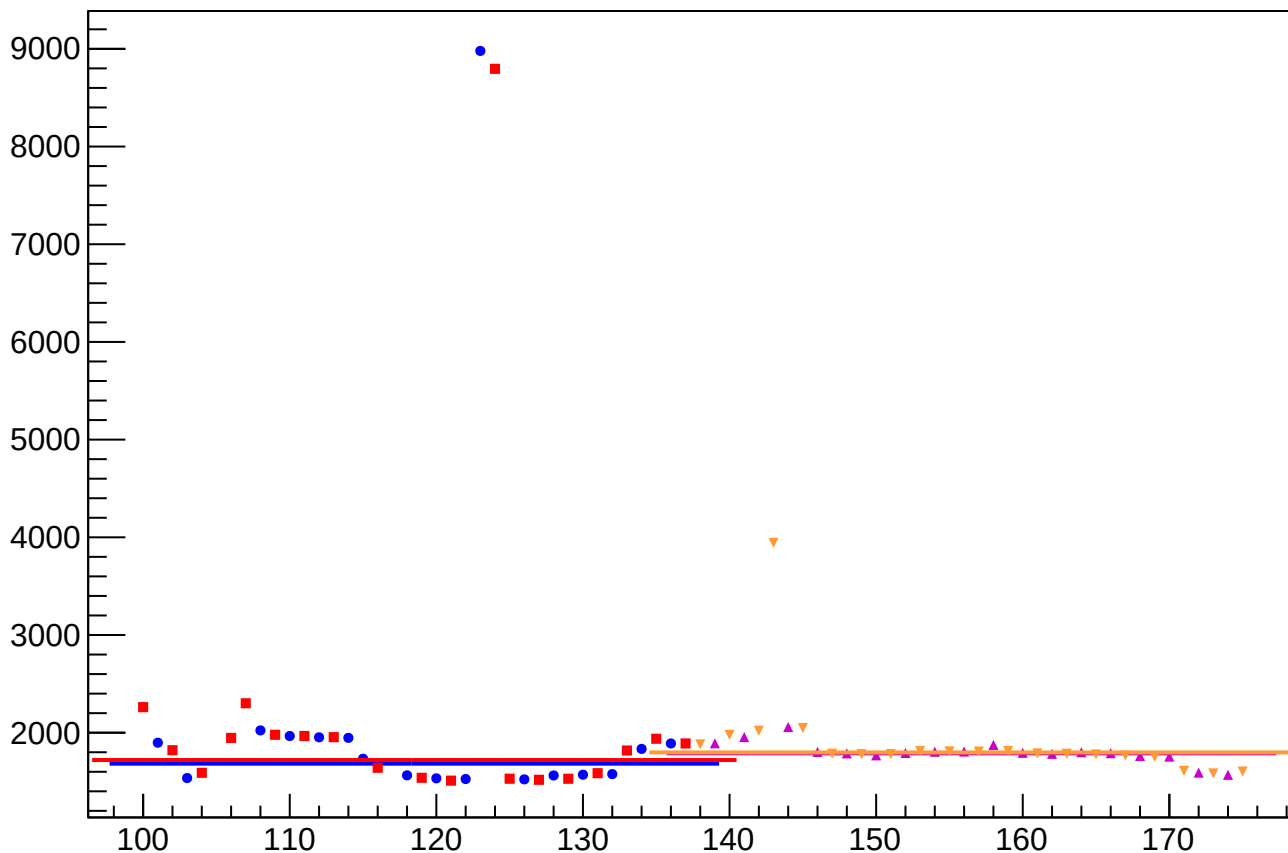
Right: -261.662+/-467.484 χ^2/NDF : 38.1/35

In: -460.976+/-388.204 χ^2/NDF : 16.7/34

Out: 12.481+/-382.026 χ^2/NDF : 58.7/38

All: -220.450+/-272.291 χ^2/NDF : 76.1/73

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1798.007+/-0.331 χ^2/NDF : 515143.8/19

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

Left In: 1788.519+/-0.339 χ^2/NDF : 104263.1/17

Left: 1793.379+/-0.237 χ^2/NDF : 619807.8/37

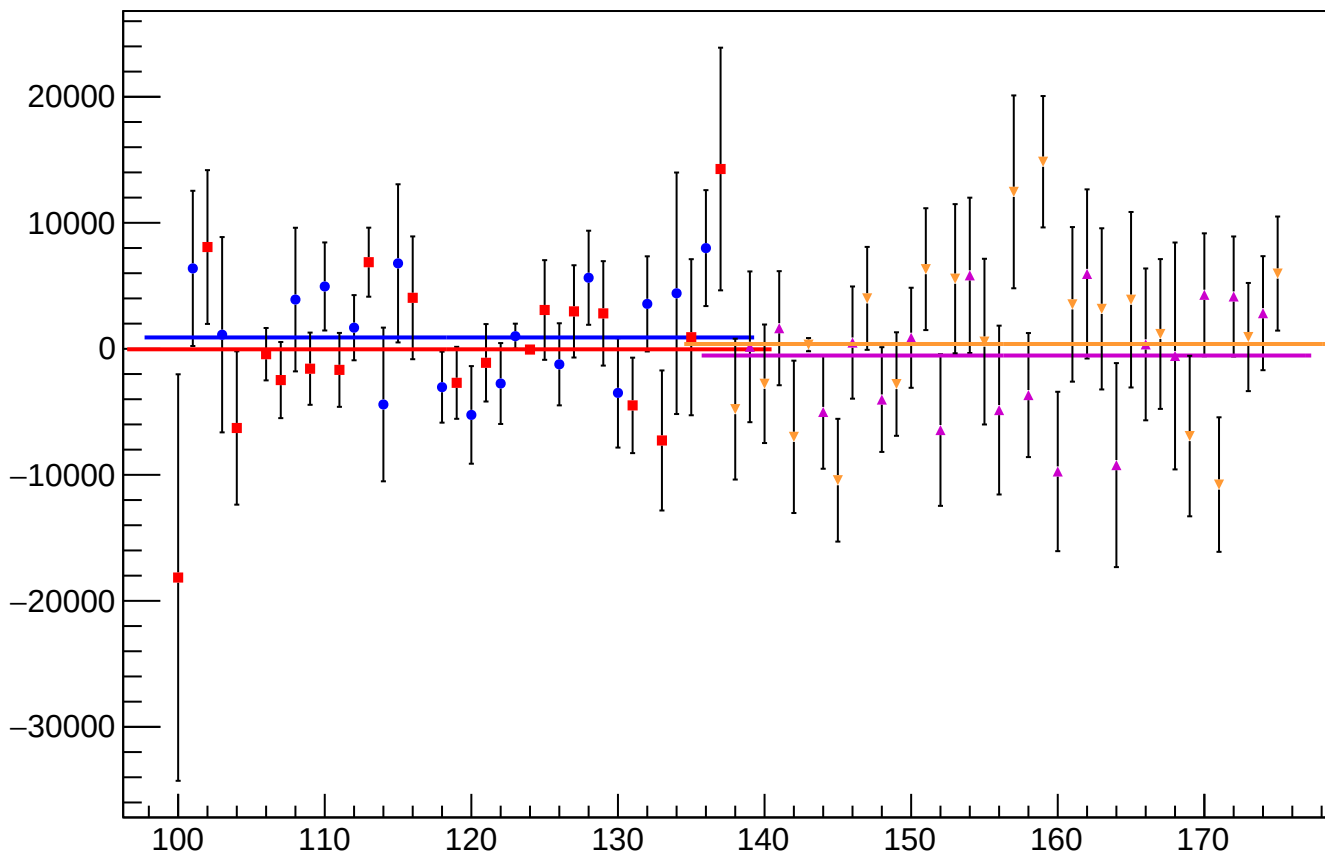
Right: 1701.898+/-0.330 χ^2/NDF : 595159.7/35

In: 1752.224+/-0.275 χ^2/NDF : 333376.0/34

Out: 1771.939+/-0.270 χ^2/NDF : 929716.5/38

All: 1762.254+/-0.192 χ^2/NDF : 1265716.6/73

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 903.344+/-705.564 χ^2/NDF : 16.0/16

Left Out: 383.544+/-479.998 χ^2/NDF : 29.5/19

Right Out: -38.143+/-357.176 χ^2/NDF : 20.5/18

Left In: -531.091+/-1237.879 χ^2/NDF : 11.7/17

Left: 263.998+/-447.531 χ^2/NDF : 41.7/37

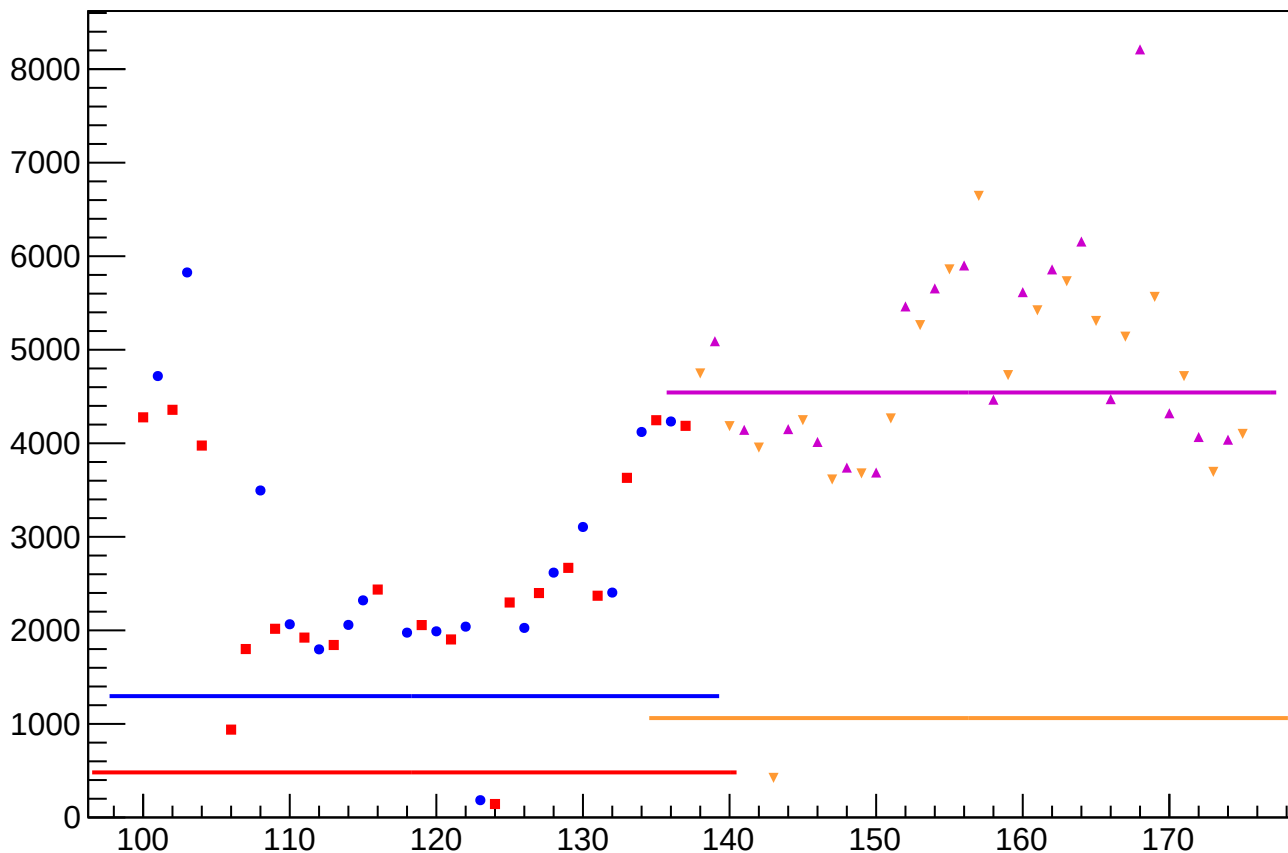
Right: 153.912+/-318.670 χ^2/NDF : 37.9/35

In: 551.603+/-612.984 χ^2/NDF : 28.7/34

Out: 112.139+/-286.548 χ^2/NDF : 50.5/38

All: 190.950+/-259.585 χ^2/NDF : 79.7/73

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1297.005+/-0.499

χ^2/NDF : 6509608.5/16

Left Out: 1062.357+/-0.339

χ^2/NDF : 20003012.1/19

Right Out: 481.577+/-0.253

χ^2/NDF : 10144170.1/18

Left In: 4543.151+/-0.875

χ^2/NDF : 1032926.6/17

Left: 1517.312+/-0.316

χ^2/NDF : 34782618.2/37

Right: 647.917+/-0.225

χ^2/NDF : 18780181.6/35

In: 2092.998+/-0.433

χ^2/NDF : 17923432.6/34

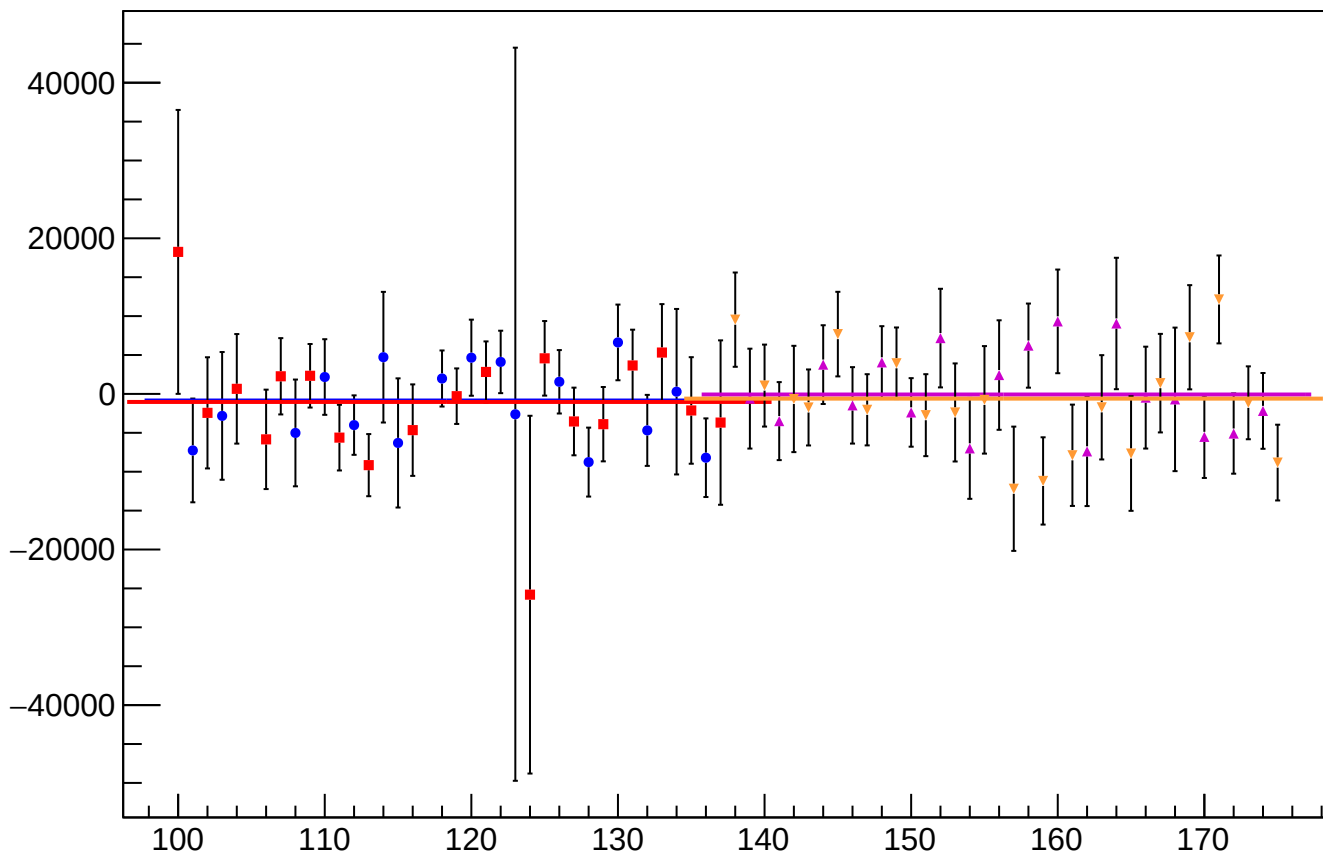
Out: 688.556+/-0.203

χ^2/NDF : 32031711.9/38

All: 940.421+/-0.184

χ^2/NDF : 58571151.9/73

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: -606.482+/-1274.448 χ^2/NDF : 23.9/19

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

Left In: -77.842+/-1345.077 χ^2/NDF : 12.6/17

Left: -356.405+/-925.132 χ^2/NDF : 36.5/37

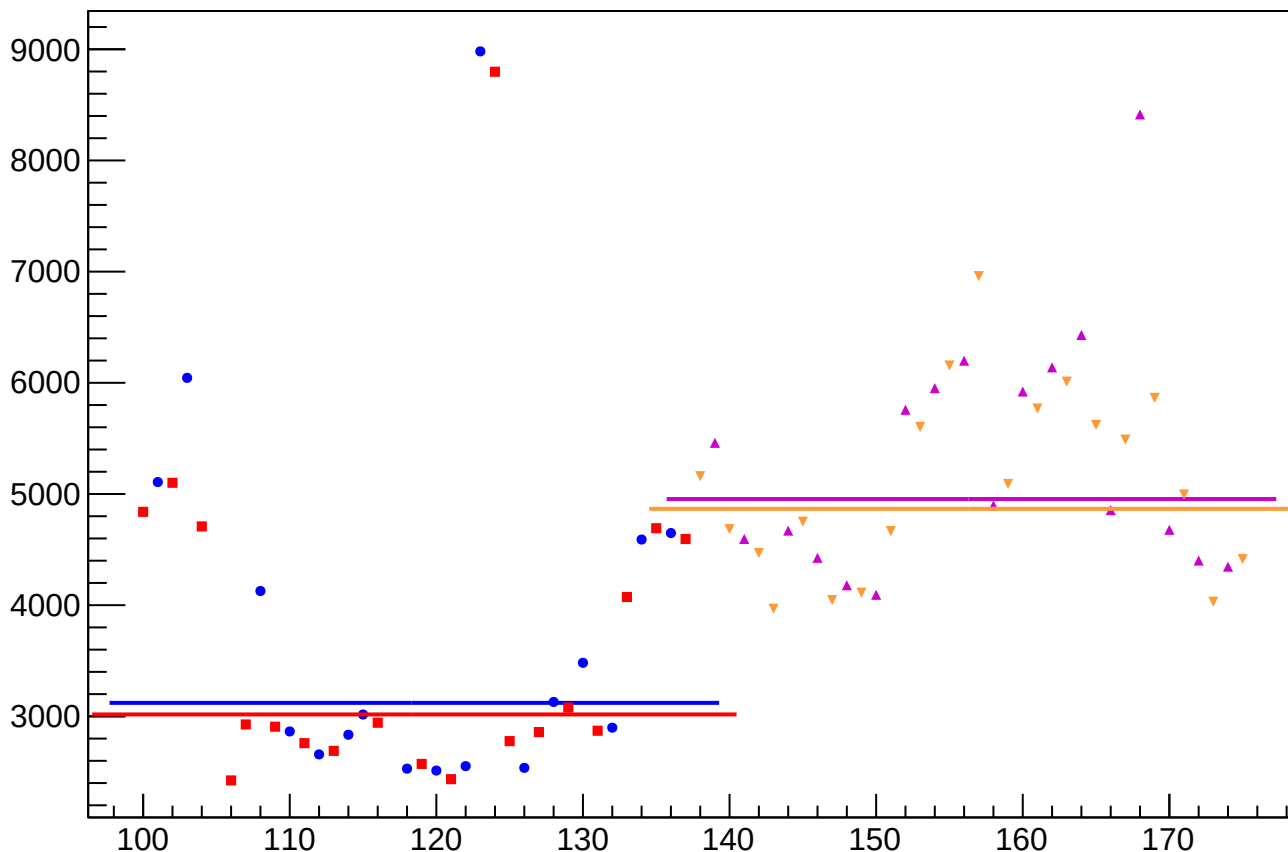
Right: -946.556+/-865.752 χ^2/NDF : 30.4/35

In: -488.464+/-919.960 χ^2/NDF : 28.2/34

Out: -834.321+/-870.059 χ^2/NDF : 39.0/38

All: -671.027+/-632.130 χ^2/NDF : 67.2/73

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4866.481+/-0.901 χ^2/NDF : 704192.0/19

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

Left In: 4954.891+/-0.951 χ^2/NDF : 827546.0/17

Left: 4908.304+/-0.654 χ^2/NDF : 1536291.0/37

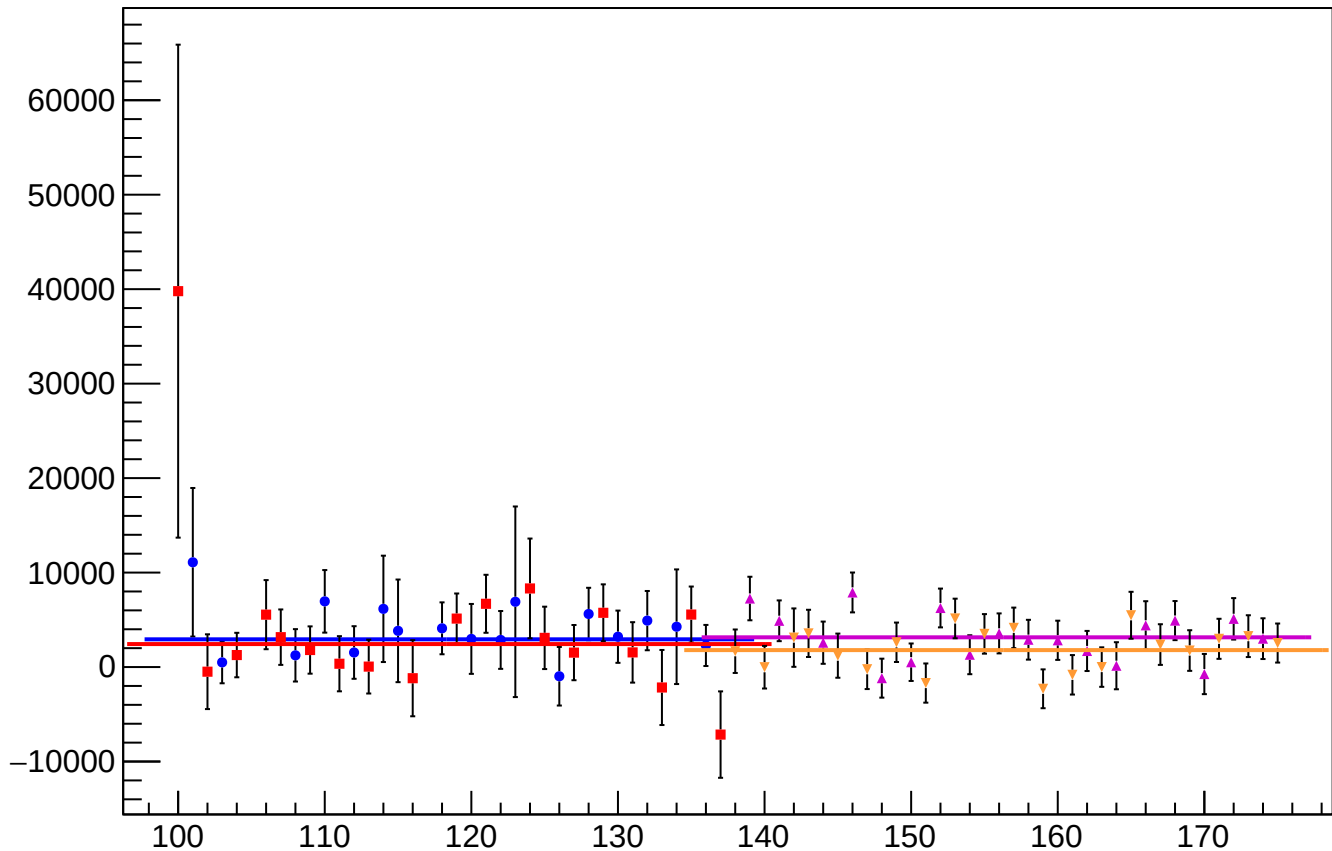
Right: 3065.680+/-0.608 χ^2/NDF : 1745010.6/35

In: 3979.079+/-0.651 χ^2/NDF : 3751030.4/34

Out: 3867.590+/-0.611 χ^2/NDF : 3770779.8/38

All: 3919.855+/-0.445 χ^2/NDF : 7537413.5/73

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1793.782 $\pm$ 491.147 χ^2 /NDF:19.2/19

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

Left In: 3147.746 $\pm$ 507.379 χ^2 /NDF:25.3/17

Left: 2448.758 $\pm$ 352.892 χ^2 /NDF: 48.2/37

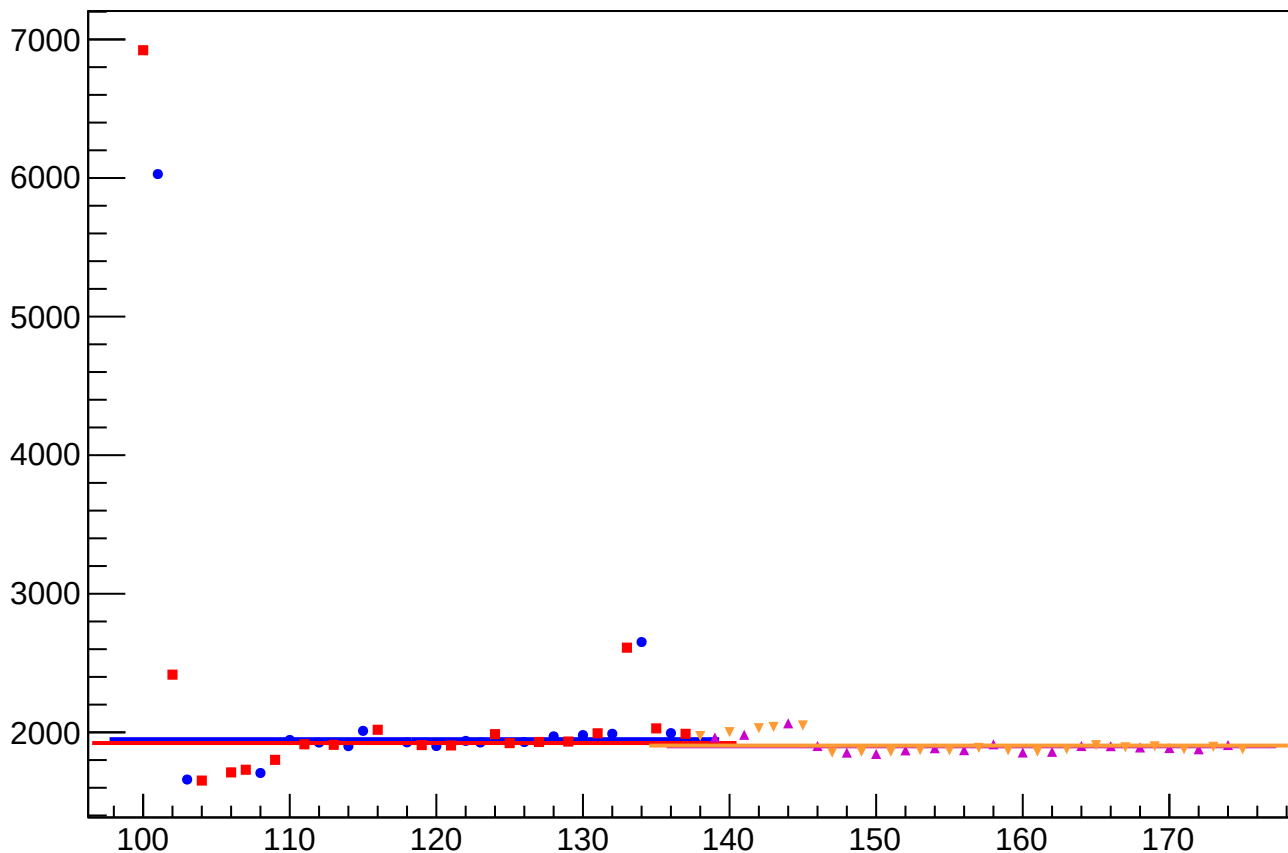
Right: 2672.699 $\pm$ 535.482 χ^2 /NDF: 26.5/35

In: 3084.208 $\pm$ 424.558 χ^2 /NDF:33.5/34

Out: 1989.029 $\pm$ 409.286 χ^2 /NDF:37.9/38

All: 2516.567 $\pm$ 294.660 χ^2 /NDF: 74.9/73

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1904.523+/-0.347 χ^2/NDF : 28980.5/19

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

Left In: 1899.220+/-0.359 χ^2/NDF : 20901.5/17

Left: 1901.958+/-0.250 χ^2/NDF : 49994.8/37

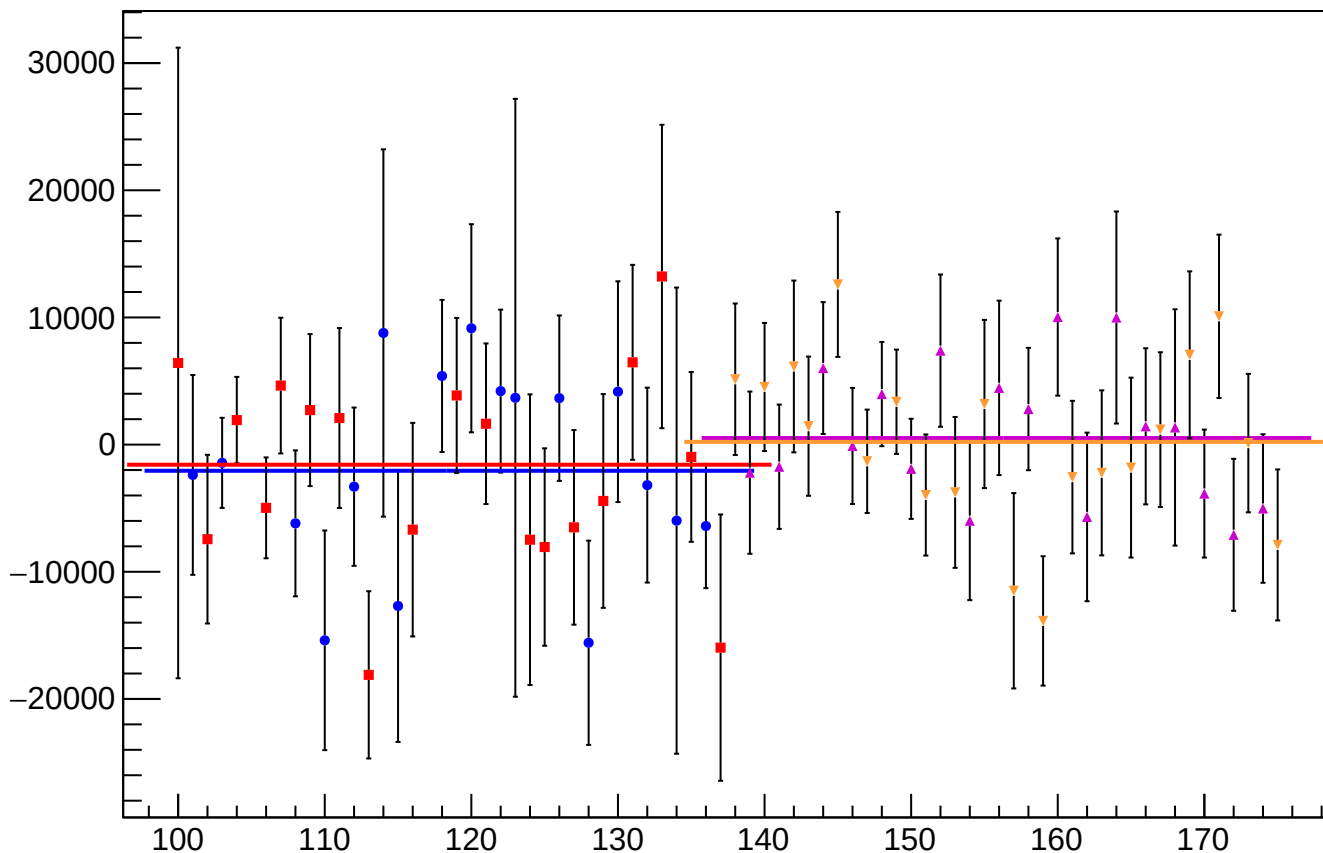
Right: 1936.009+/-0.378 χ^2/NDF : 836086.0/35

In: 1914.629+/-0.300 χ^2/NDF : 644386.5/34

Out: 1910.111+/-0.289 χ^2/NDF : 247225.0/38

All: 1912.286+/-0.208 χ^2/NDF : 891729.0/73

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 214.792 $\pm$ 1257.169 χ^2 /NDF:24.9/19

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

Left In: 517.600 $\pm$ 1299.816 χ^2 /NDF:13.4/17

Left: 361.147 $\pm$ 903.653 χ^2 /NDF: 38.3/37

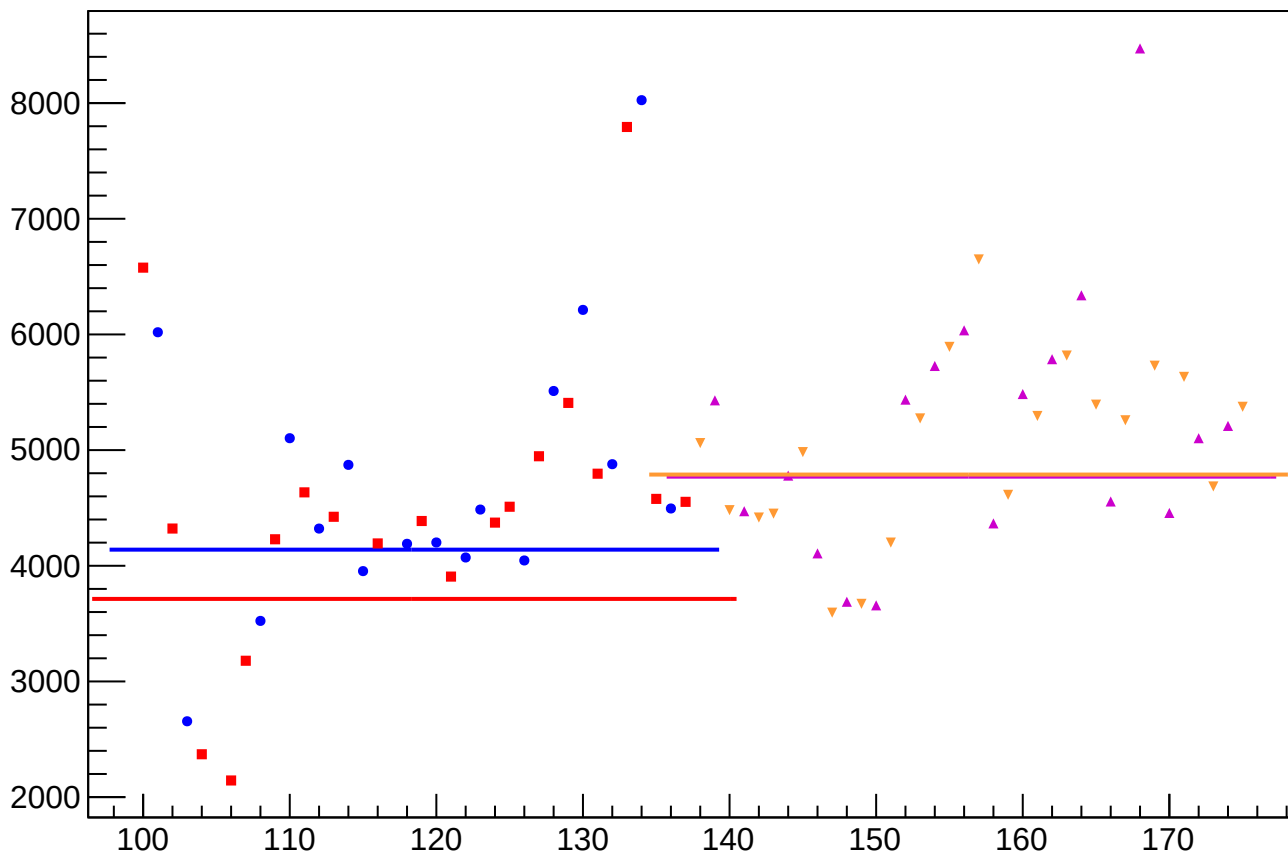
Right: -1791.026 $\pm$ 1103.932 χ^2 /NDF: 32.6/35

In: -460.130 $\pm$ 1023.659 χ^2 /NDF:28.9/34

Out: -539.288 $\pm$ 957.447 χ^2 /NDF:44.3/38

All: -502.352 $\pm$ 699.254 χ^2 /NDF: 73.2/73

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4788.558+/-0.889 χ^2/NDF : 755059.4/19

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

Left In: 4770.558+/-0.919 χ^2/NDF : 1013460.3/17

Left: 4779.858+/-0.639 χ^2/NDF : 1768717.9/37

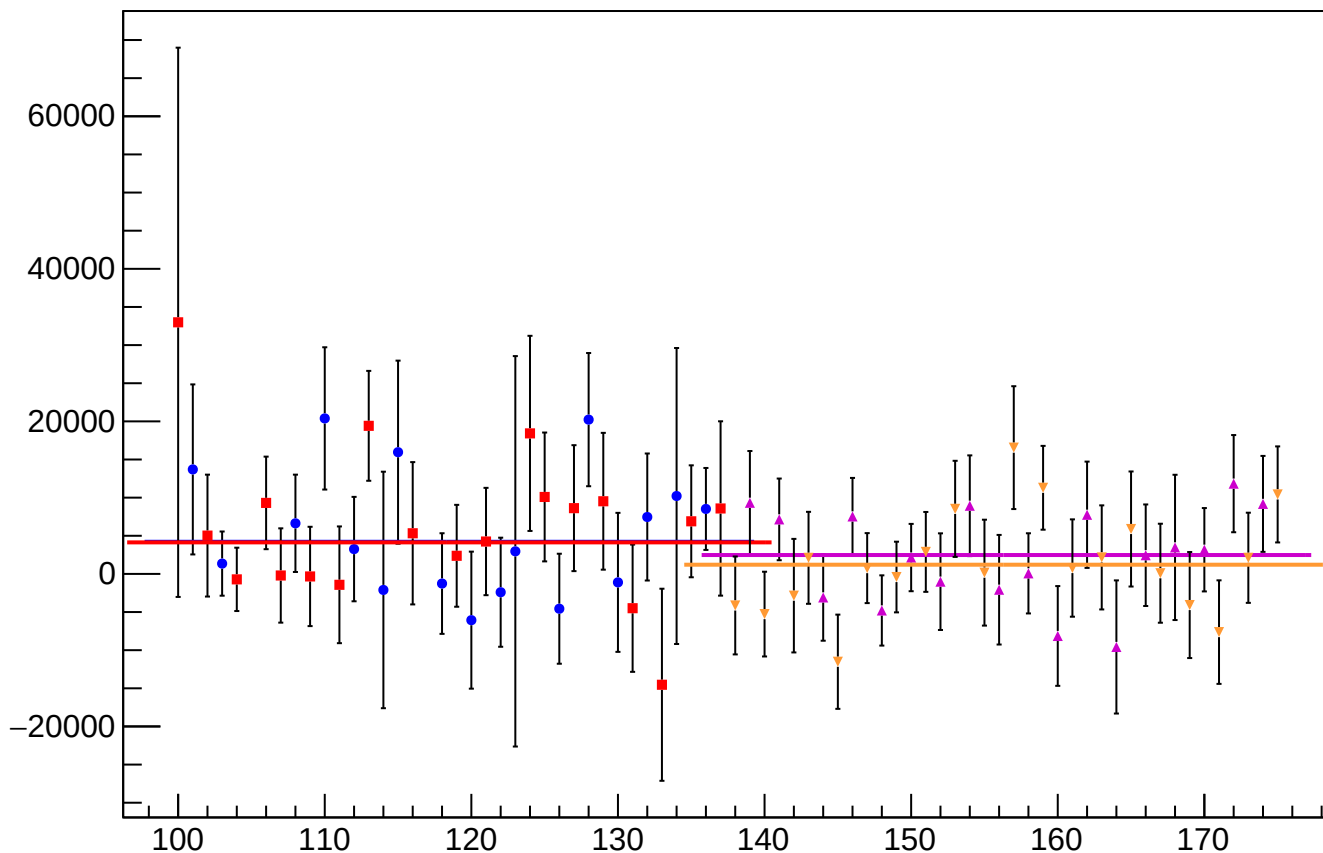
Right: 3901.622+/-0.781 χ^2/NDF : 2162777.5/35

In: 4530.855+/-0.724 χ^2/NDF : 2006104.9/34

Out: 4337.065+/-0.677 χ^2/NDF : 2645096.7/38

All: 4427.490+/-0.494 χ^2/NDF : 4689433.5/73

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1206.419+/-1364.561 χ^2/NDF :20.1/19

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

Left In: 2475.947+/-1410.199 χ^2/NDF :16.5/17

Left: 1820.308+/-980.628 χ^2/NDF : 37.1/37

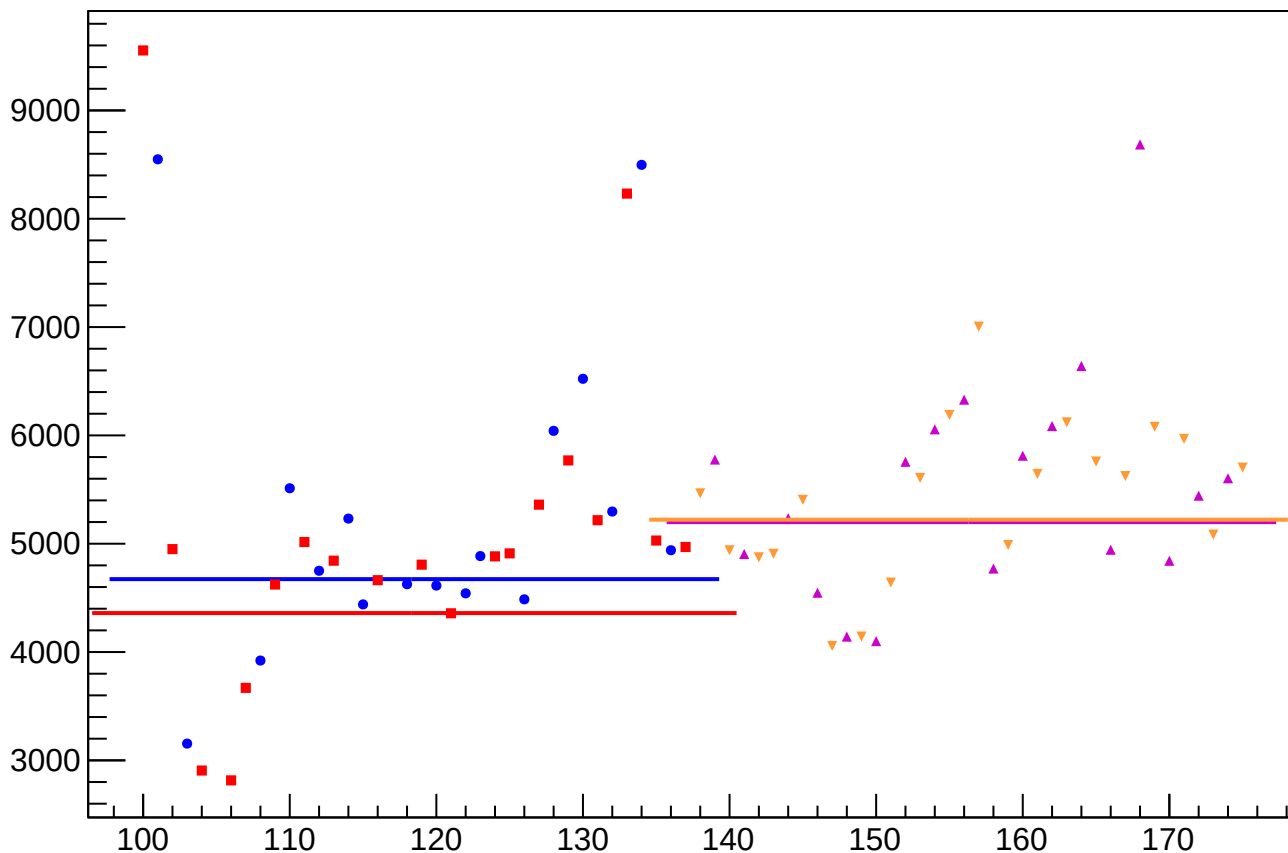
Right: 4169.584+/-1268.468 χ^2/NDF : 29.2/35

In: 3104.697+/-1126.215 χ^2/NDF :31.5/34

Out: 2332.848+/-1070.281 χ^2/NDF :36.7/38

All: 2699.130+/-775.823 χ^2/NDF : 68.4/73

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046 ± 1.323 $\chi^2/\text{NDF}: 777321.1/16$

Left Out: 5221.993 ± 0.965 $\chi^2/\text{NDF}: 558196.7/19$

Right Out: 4359.833 ± 1.213 $\chi^2/\text{NDF}: 832191.0/18$

Left In: 5199.523 ± 0.997 $\chi^2/\text{NDF}: 790301.8/17$

Left: 5211.128 ± 0.693 $\chi^2/\text{NDF}: 1348760.7/37$

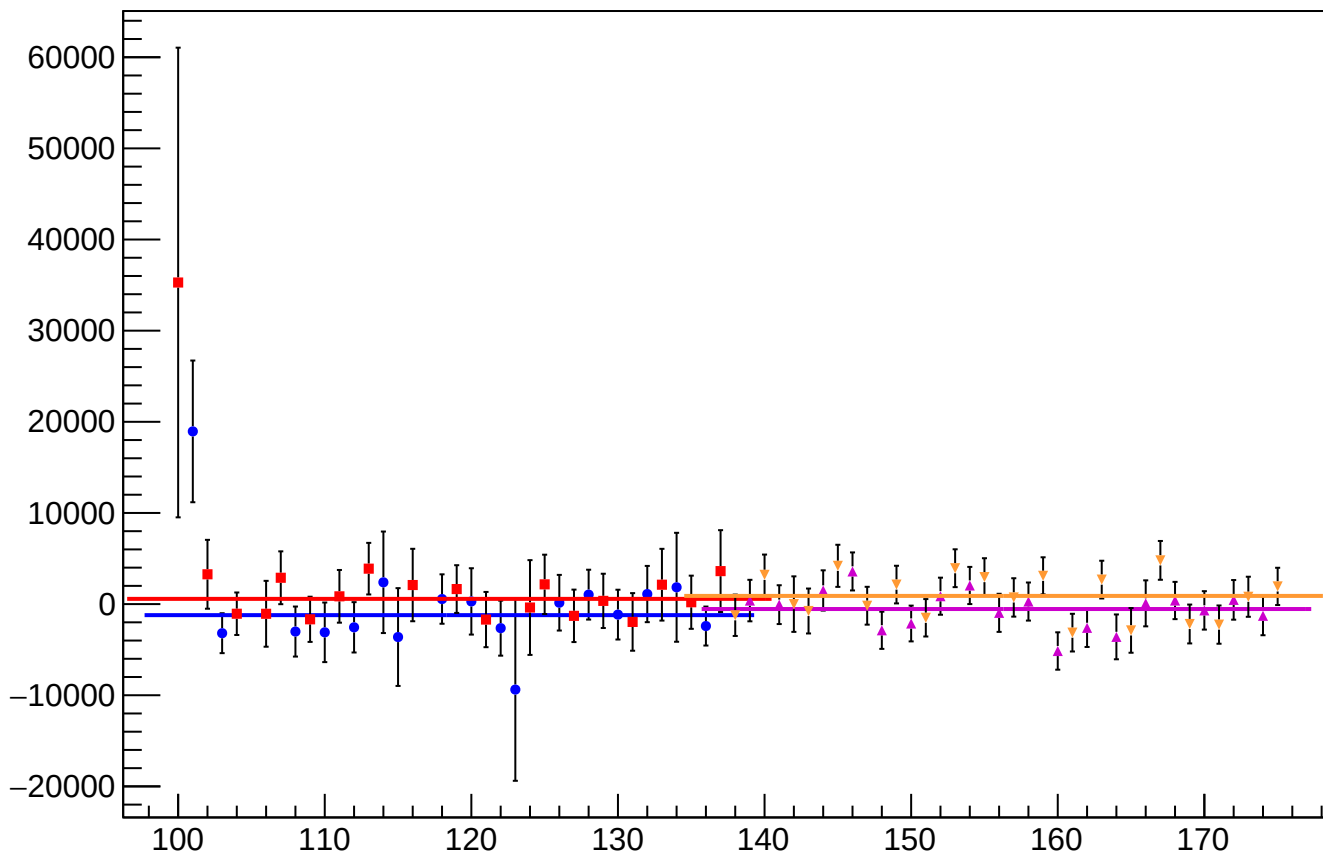
Right: 4502.849 ± 0.894 $\chi^2/\text{NDF}: 1639958.3/35$

In: 5008.831 ± 0.796 $\chi^2/\text{NDF}: 1668590.7/34$

Out: 4887.859 ± 0.755 $\chi^2/\text{NDF}: 1699811.3/38$

All: 4945.131 ± 0.548 $\chi^2/\text{NDF}: 3380552.9/73$

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1211.176 ± 765.294 $\chi^2/\text{NDF}: 12.7/16$

Left Out: 898.584 ± 485.668 $\chi^2/\text{NDF}: 25.7/19$

Right Out: 573.457 ± 730.668 $\chi^2/\text{NDF}: 8.7/18$

Left In: -540.013 ± 501.840 $\chi^2/\text{NDF}: 17.4/17$

Left: 202.838 ± 348.996 $\chi^2/\text{NDF}: 47.4/37$

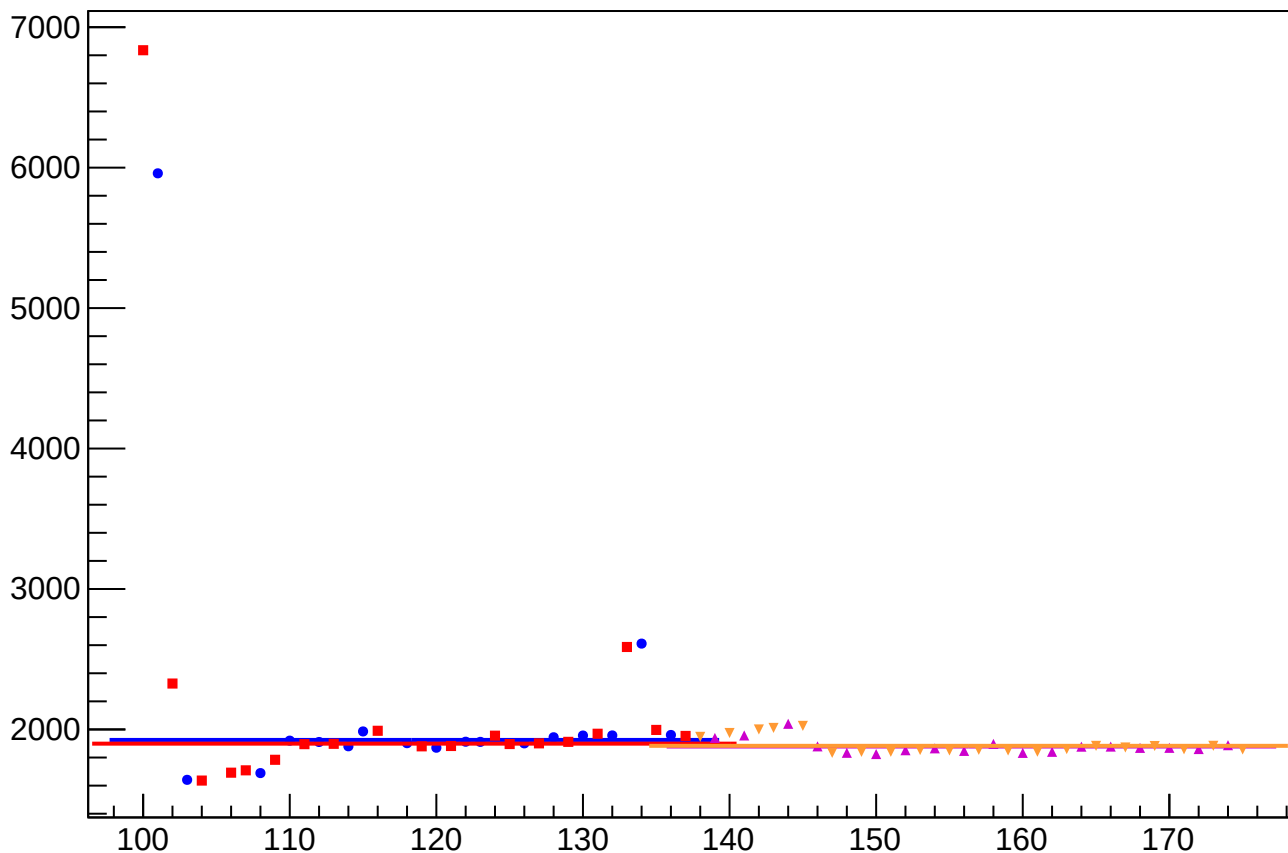
Right: -277.573 ± 528.478 $\chi^2/\text{NDF}: 24.2/35$

In: -741.832 ± 419.659 $\chi^2/\text{NDF}: 30.6/34$

Out: 798.956 ± 404.469 $\chi^2/\text{NDF}: 34.6/38$

All: 56.951 ± 291.225 $\chi^2/\text{NDF}: 72.1/73$

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1883.355+/-0.343 χ^2/NDF : 27271.5/19

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

Left In: 1878.494+/-0.355 χ^2/NDF : 20263.6/17

Left: 1881.004+/-0.247 χ^2/NDF : 47632.0/37

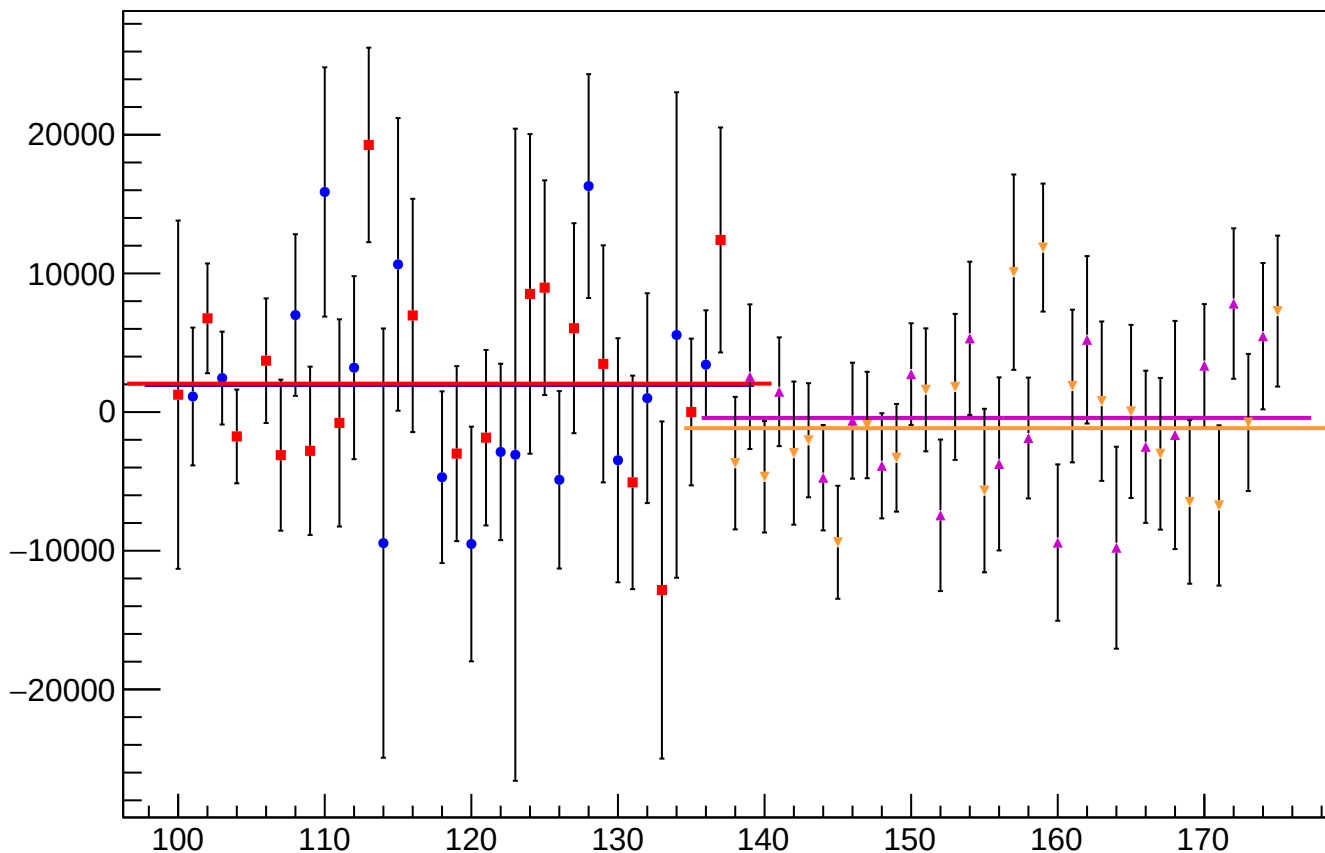
Right: 1911.445+/-0.373 χ^2/NDF : 827992.7/35

In: 1892.575+/-0.297 χ^2/NDF : 641363.3/34

Out: 1888.119+/-0.286 χ^2/NDF : 238772.7/38

All: 1890.263+/-0.206 χ^2/NDF : 880253.0/73

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1959.060+/-1556.840 χ^2/NDF : 12.9/16

Left Out: -1162.862+/-1094.282 χ^2/NDF : 22.1/19

Right Out: 2052.842+/-1413.641 χ^2/NDF : 17.4/18

Left In: -422.460+/-1144.889 χ^2/NDF : 16.0/17

Left: -809.387+/-791.060 χ^2/NDF : 38.4/37

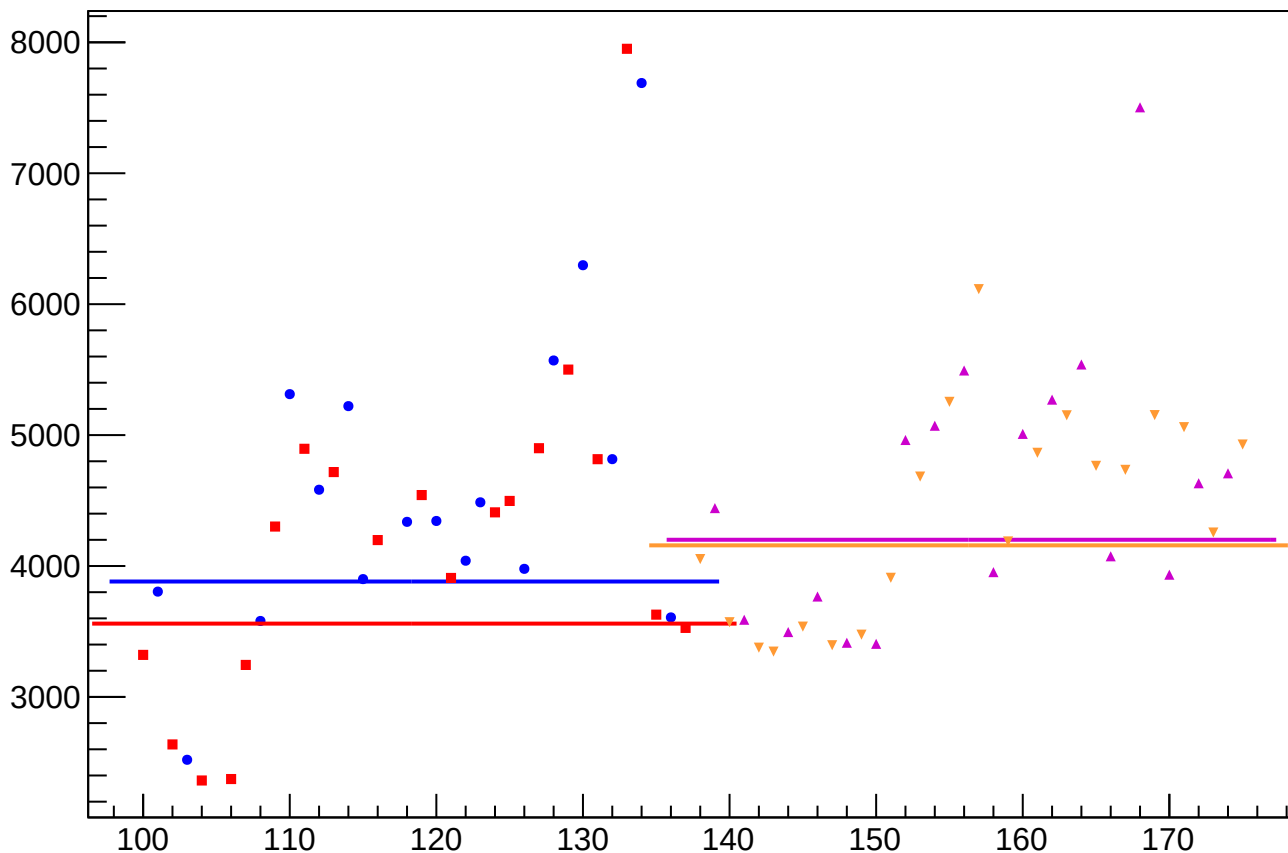
Right: 2010.461+/-1046.568 χ^2/NDF : 30.4/35

In: 413.424+/-922.338 χ^2/NDF : 30.5/34

Out: 42.035+/-865.319 χ^2/NDF : 42.8/38

All: 215.896+/-631.068 χ^2/NDF : 73.4/73

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 4157.746 $\pm$ 0.774 χ^2 /NDF: 884494.7/19

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

Left In: 4200.507 $\pm$ 0.810 χ^2 /NDF: 1037236.4/17

Left: 4178.161 $\pm$ 0.559 χ^2 /NDF: 1923189.2/37

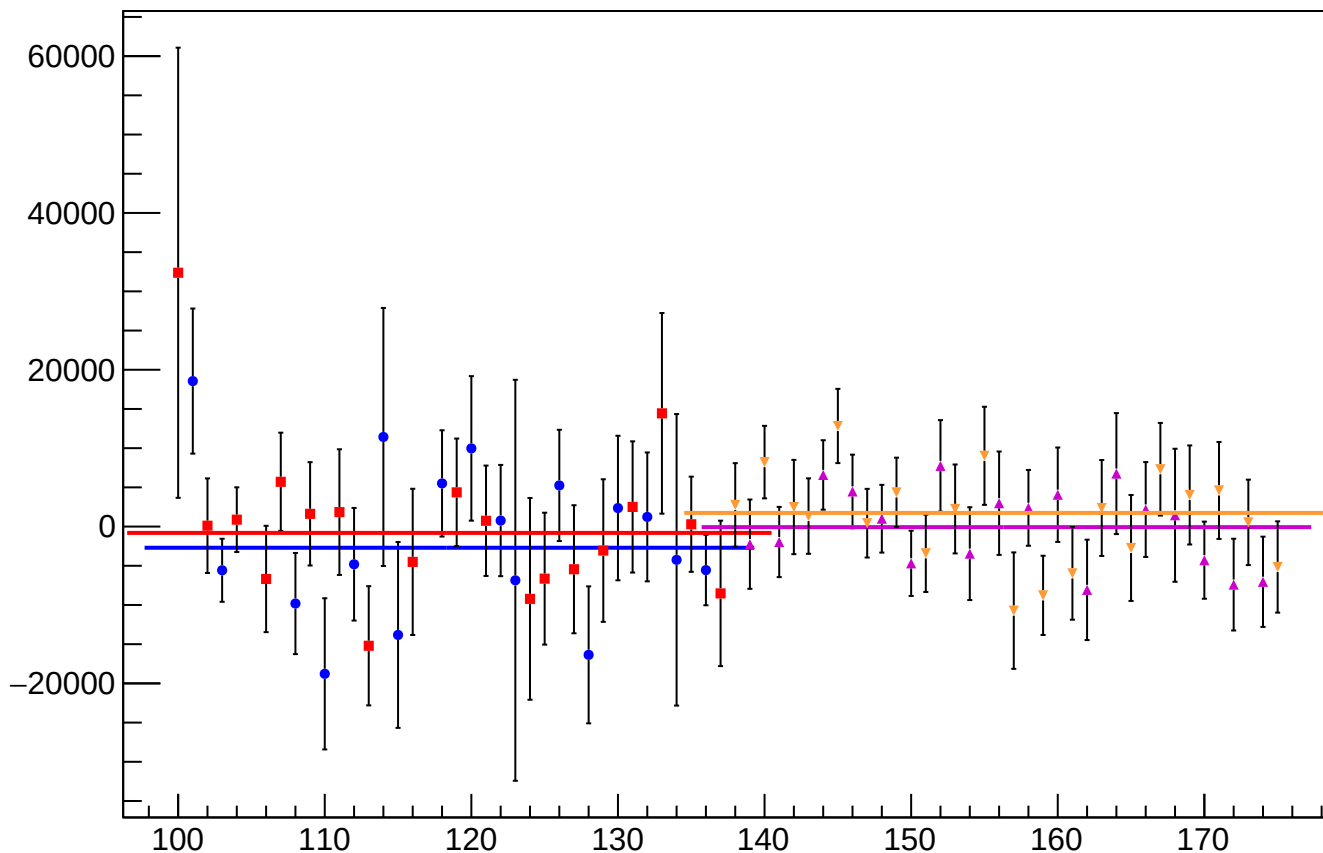
Right: 3705.352 $\pm$ 0.740 χ^2 /NDF: 2105744.2/35

In: 4088.567 $\pm$ 0.652 χ^2 /NDF: 1909176.5/34

Out: 3933.796 $\pm$ 0.612 χ^2 /NDF: 2349581.6/38

All: 4006.250 $\pm$ 0.446 χ^2 /NDF: 4288710.4/73

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1743.888 ± 1216.238 χ^2/NDF : 22.4/19

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

Left In: -70.823 ± 1267.156 χ^2/NDF : 14.2/17

Left: 873.724 ± 877.459 χ^2/NDF : 37.6/37

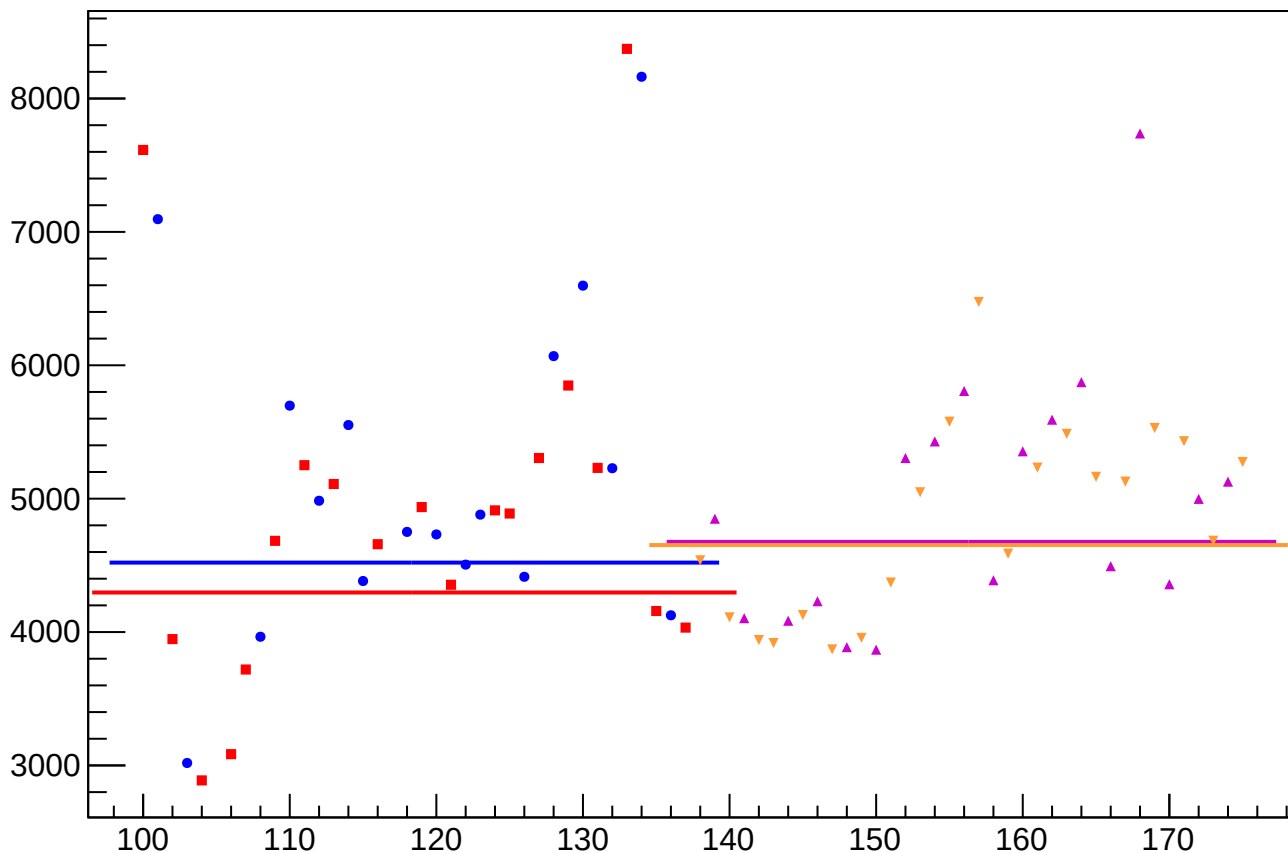
Right: -1689.130 ± 1235.094 χ^2/NDF : 31.9/35

In: -936.431 ± 1037.874 χ^2/NDF : 35.3/34

Out: 874.111 ± 987.245 χ^2/NDF : 35.4/38

All: 14.076 ± 715.317 χ^2/NDF : 72.4/73

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4652.156+/-0.860 χ^2/NDF : 595760.0/19

Right Out: 4296.527+/-1.189 χ^2/NDF : 771785.2/18

Left In: 4675.972+/-0.896 χ^2/NDF : 755529.8/17

Left: 4663.576+/-0.620 χ^2/NDF : 1351657.5/37

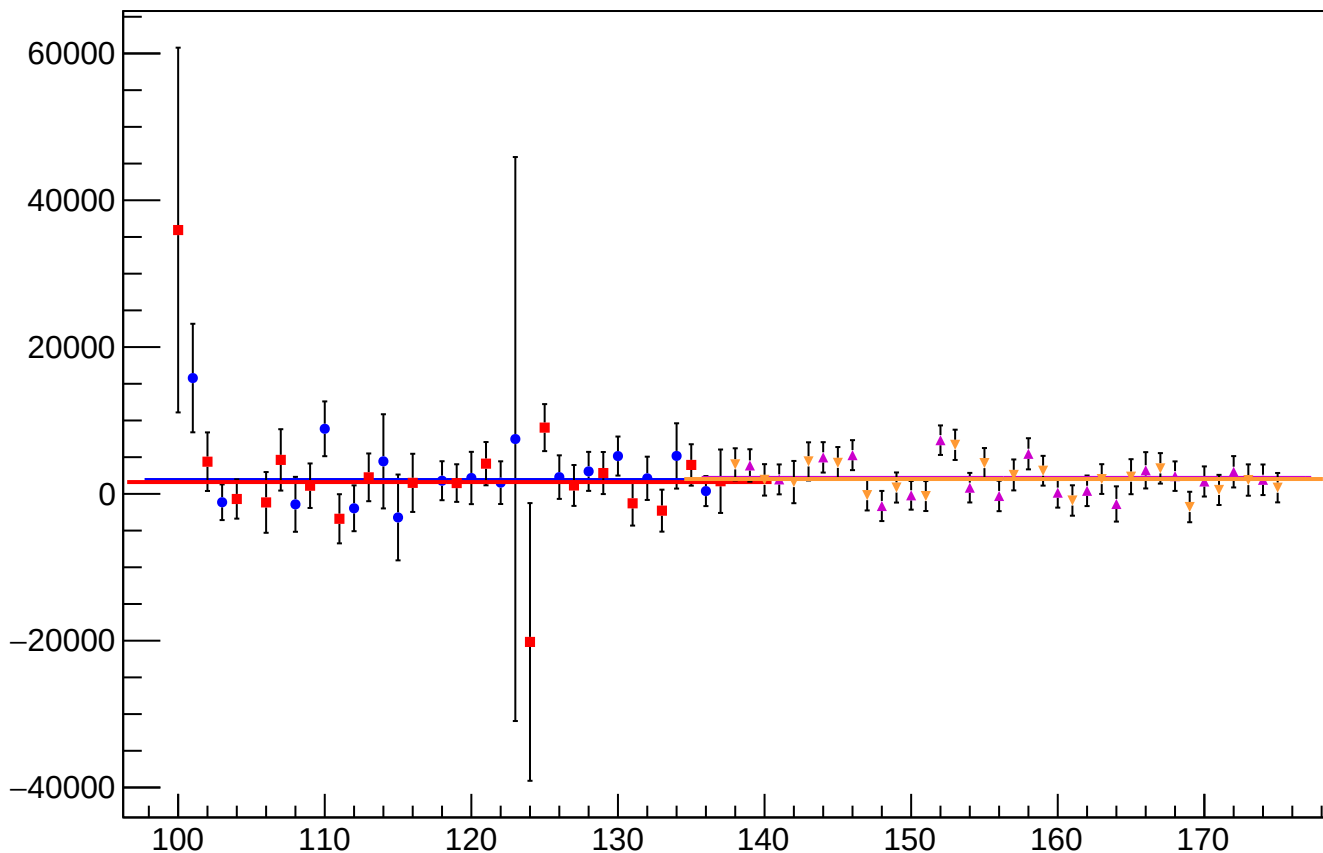
Right: 4400.391+/-0.871 χ^2/NDF : 1559151.4/35

In: 4624.860+/-0.734 χ^2/NDF : 1536303.4/34

Out: 4529.957+/-0.697 χ^2/NDF : 1426302.3/38

All: 4574.947+/-0.505 χ^2/NDF : 2971400.8/73

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2024.026 $\pm$ 477.640 χ^2 /NDF:18.8/19

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

Left In: 2175.634 $\pm$ 493.256 χ^2 /NDF:24.7/17

Left: 2097.392 $\pm$ 343.130 χ^2 /NDF: 43.6/37

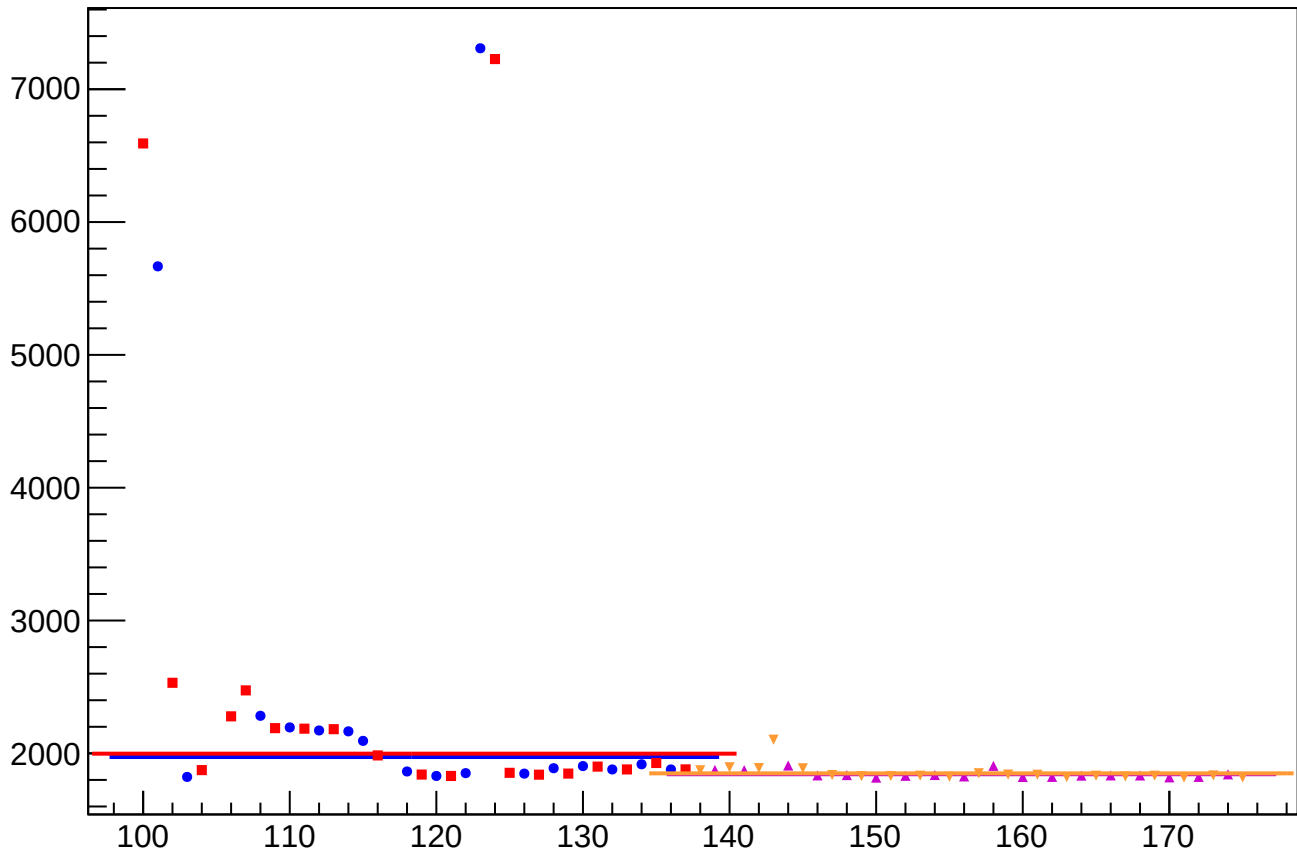
Right: 1745.891 $\pm$ 547.780 χ^2 /NDF: 32.2/35

In: 2094.016 $\pm$ 417.473 χ^2 /NDF:39.5/34

Out: 1908.167 $\pm$ 405.278 χ^2 /NDF:36.5/38

All: 1998.337 $\pm$ 290.791 χ^2 /NDF: 76.1/73

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1849.445+/-0.338 χ^2/NDF : 24124.9/19

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

Left In: 1842.806+/-0.349 χ^2/NDF : 6199.5/17

Left: 1846.232+/-0.243 χ^2/NDF : 30511.3/37

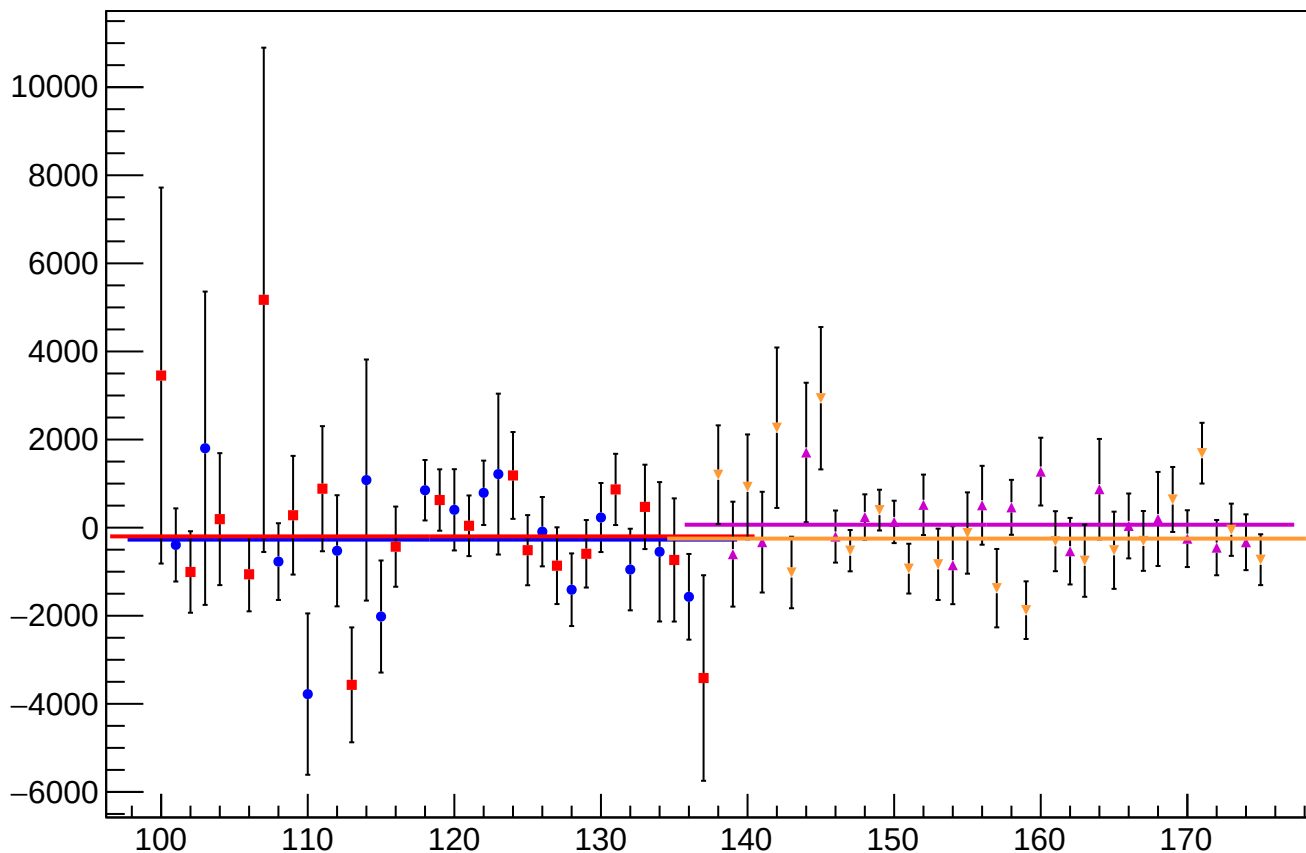
Right: 1985.358+/-0.387 χ^2/NDF : 957496.6/35

In: 1879.592+/-0.295 χ^2/NDF : 646282.2/34

Out: 1890.948+/-0.287 χ^2/NDF : 433619.9/38

All: 1885.439+/-0.206 χ^2/NDF : 1080664.0/73

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -271.773 $\pm$ 240.214 χ^2/NDF : 17.2/16

Left Out: -248.688 $\pm$ 159.647 χ^2/NDF : 32.0/19

Right Out: -198.424 $\pm$ 229.035 χ^2/NDF : 19.7/18

Left In: 66.419 $\pm$ 170.451 χ^2/NDF : 8.9/17

Left: -101.436 $\pm$ 116.520 χ^2/NDF : 42.8/37

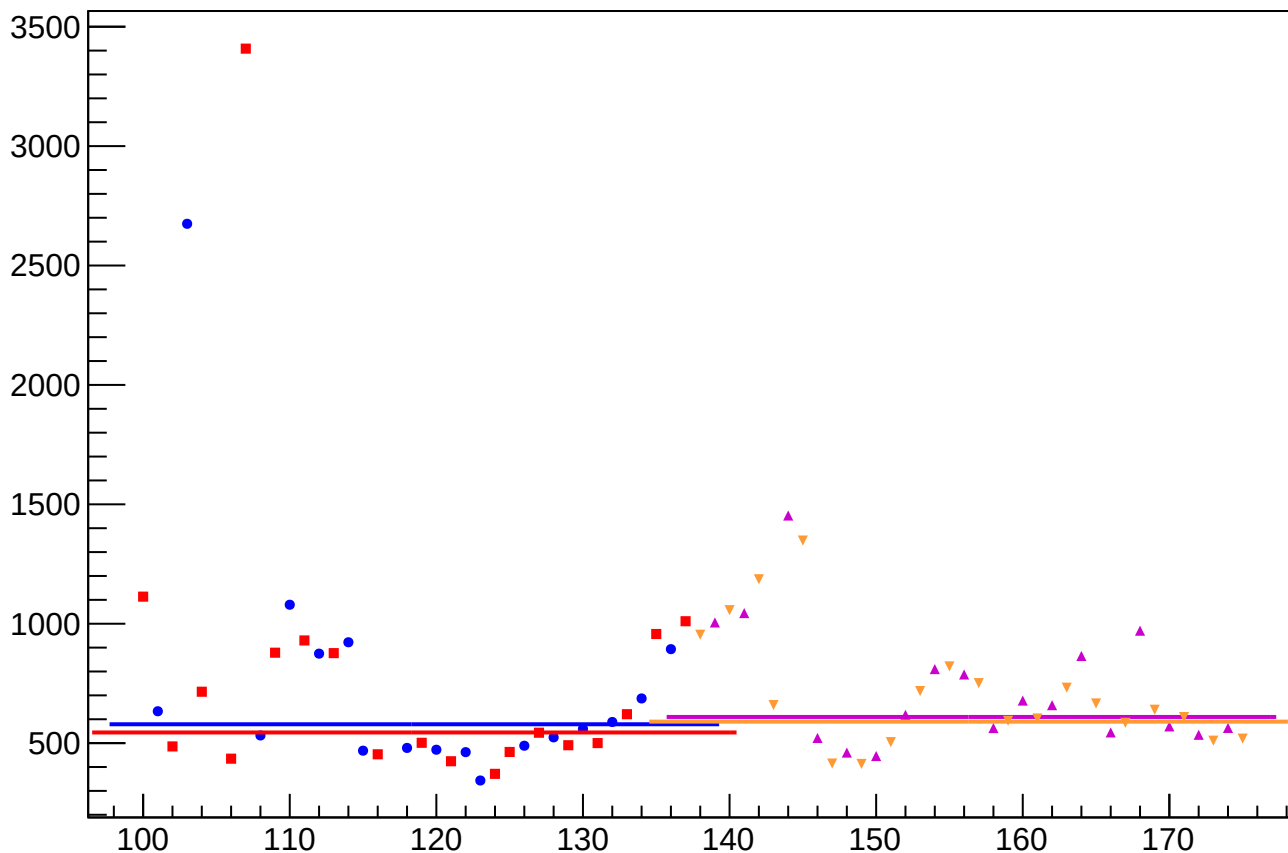
Right: -233.352 $\pm$ 165.764 χ^2/NDF : 37.0/35

In: -46.837 $\pm$ 139.010 χ^2/NDF : 27.5/34

Out: -232.252 $\pm$ 130.970 χ^2/NDF : 51.8/38

All: -145.061 $\pm$ 95.325 χ^2/NDF : 80.2/73

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 590.053 $\pm$ 0.113 χ^2 /NDF: 2201075.4/19

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

Left In: 609.650 $\pm$ 0.121 χ^2 /NDF: 2129841.0/17

Left: 599.211 $\pm$ 0.082 χ^2 /NDF: 4344998.7/37

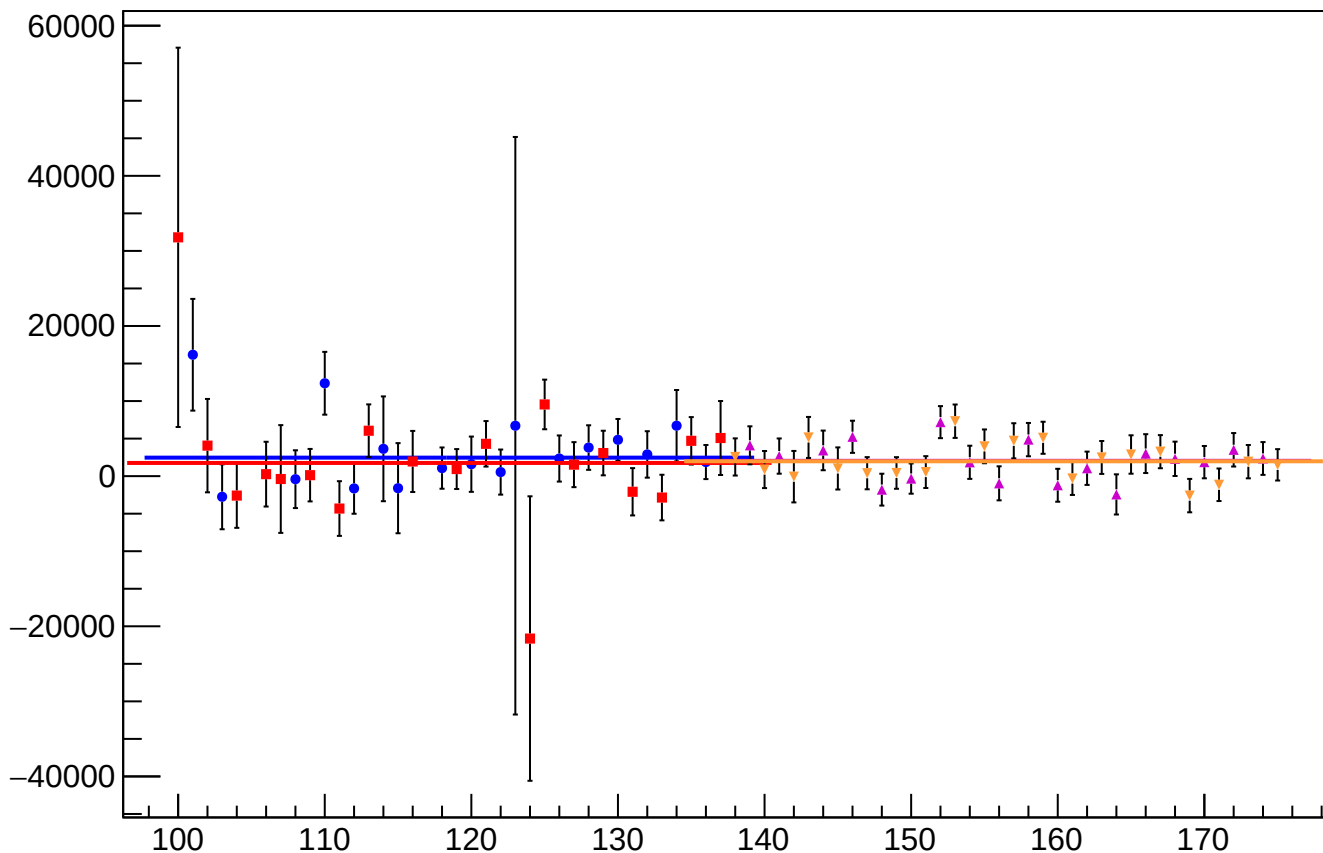
Right: 561.024 $\pm$ 0.117 χ^2 /NDF: 2901353.8/35

In: 599.389 $\pm$ 0.098 χ^2 /NDF: 3573631.5/34

Out: 575.214 $\pm$ 0.093 χ^2 /NDF: 3711715.7/38

All: 586.582 $\pm$ 0.067 χ^2 /NDF: 7317390.2/73

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076 +/- 863.197 χ^2/NDF : 15.5/16

Left Out: 1979.468 +/- 515.526 χ^2/NDF : 21.7/19

Right Out: 1756.788 +/- 853.292 χ^2/NDF : 20.5/18

Left In: 2038.028 +/- 533.837 χ^2/NDF : 22.9/17

Left: 2007.726 +/- 370.836 χ^2/NDF : 44.6/37

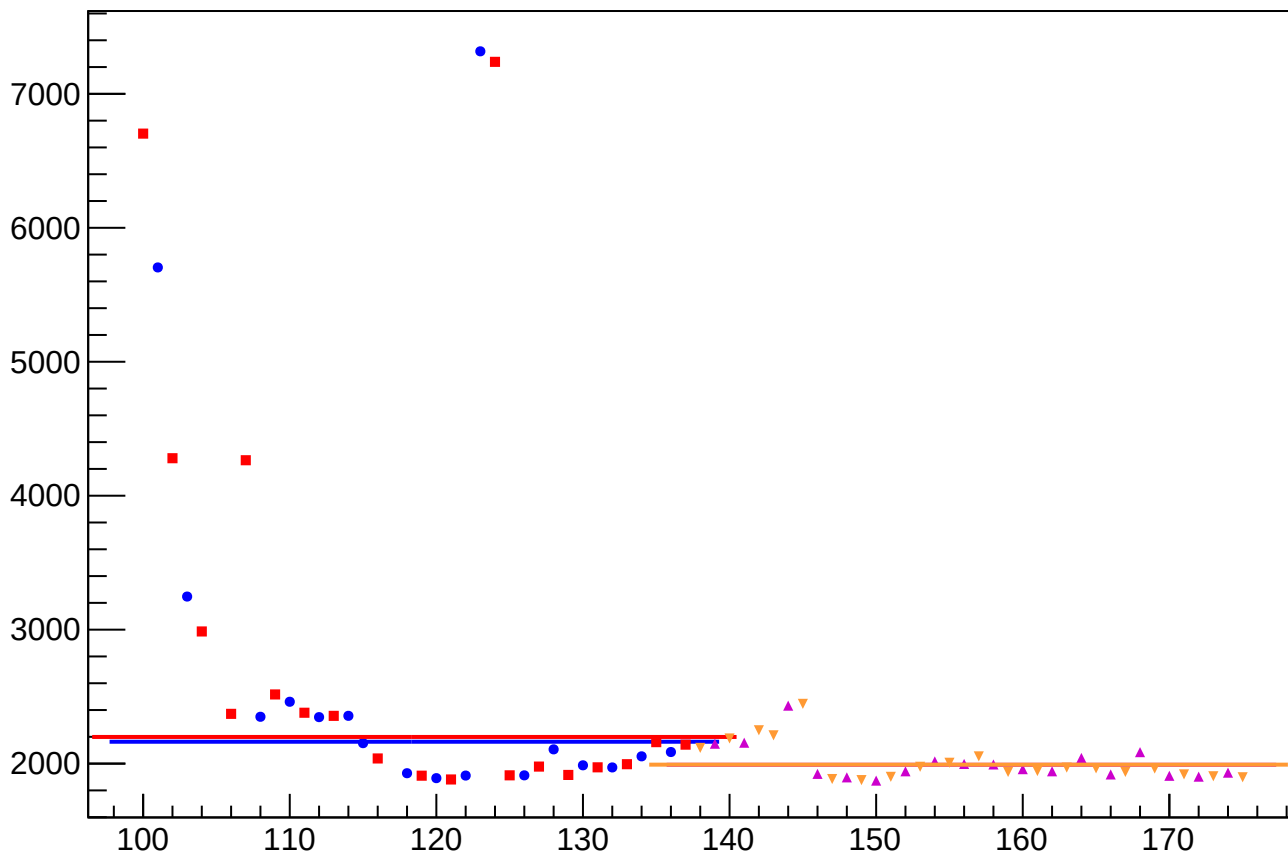
Right: 2106.351 +/- 606.840 χ^2/NDF : 36.4/35

In: 2155.897 +/- 454.026 χ^2/NDF : 38.6/34

Out: 1919.922 +/- 441.248 χ^2/NDF : 42.2/38

All: 2034.542 +/- 316.430 χ^2/NDF : 81.0/73

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1992.212 $\pm$ 0.365 χ^2 /NDF:123963.4/19

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

Left In: 1991.011 $\pm$ 0.377 χ^2 /NDF:102257.4/17

Left: 1991.632 $\pm$ 0.262 χ^2 /NDF: 226226.0/37

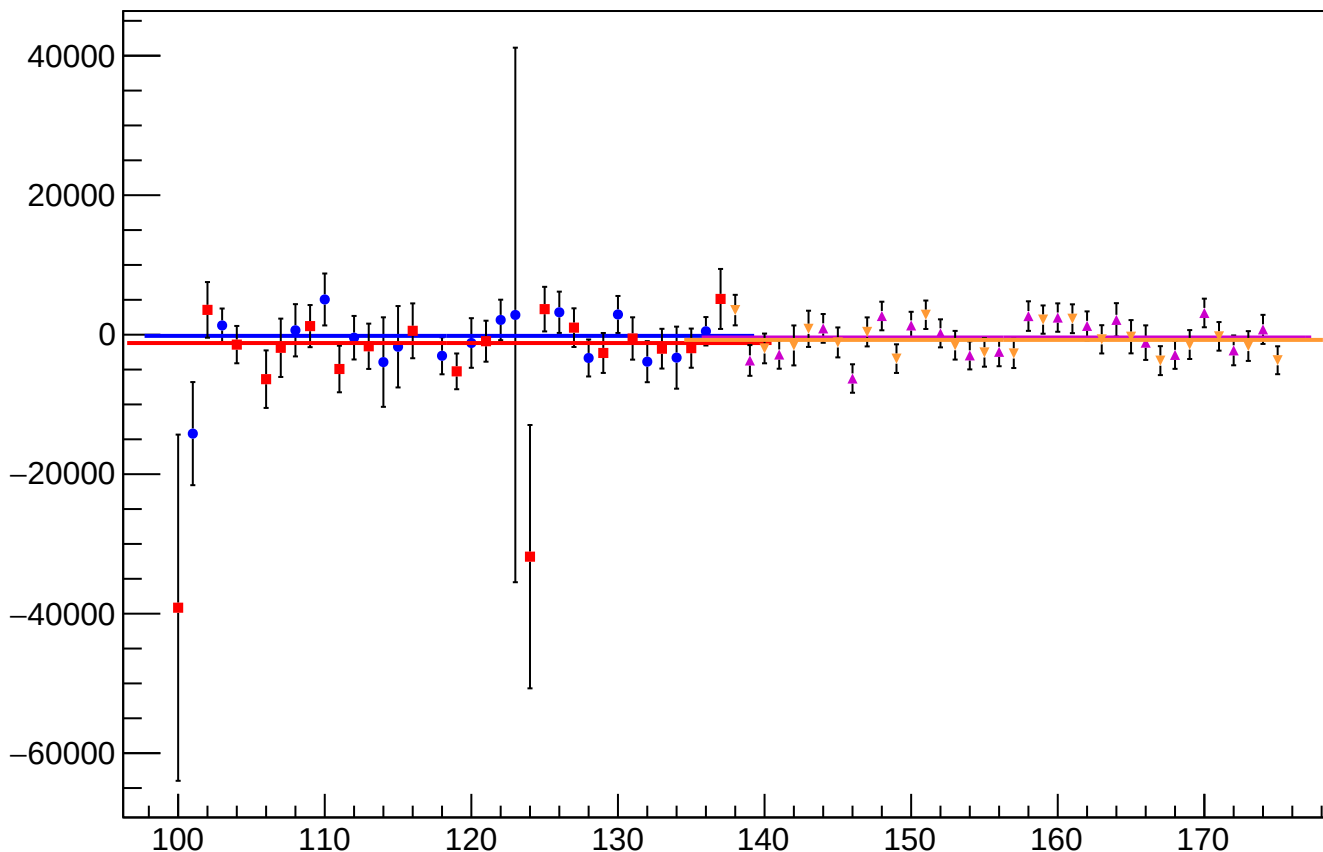
Right: 2181.359 $\pm$ 0.429 χ^2 /NDF: 1514611.9/35

In: 2038.677 $\pm$ 0.321 χ^2 /NDF:869476.3/34

Out: 2047.509 $\pm$ 0.312 χ^2 /NDF:1013313.3/38

All: 2043.219 $\pm$ 0.224 χ^2 /NDF: 1883178.8/73

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -747.799+/-476.851 χ^2/NDF : 20.3/19

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

Left In: -402.287+/-492.704 χ^2/NDF : 29.6/17

Left: -580.691+/-342.652 χ^2/NDF : 50.1/37

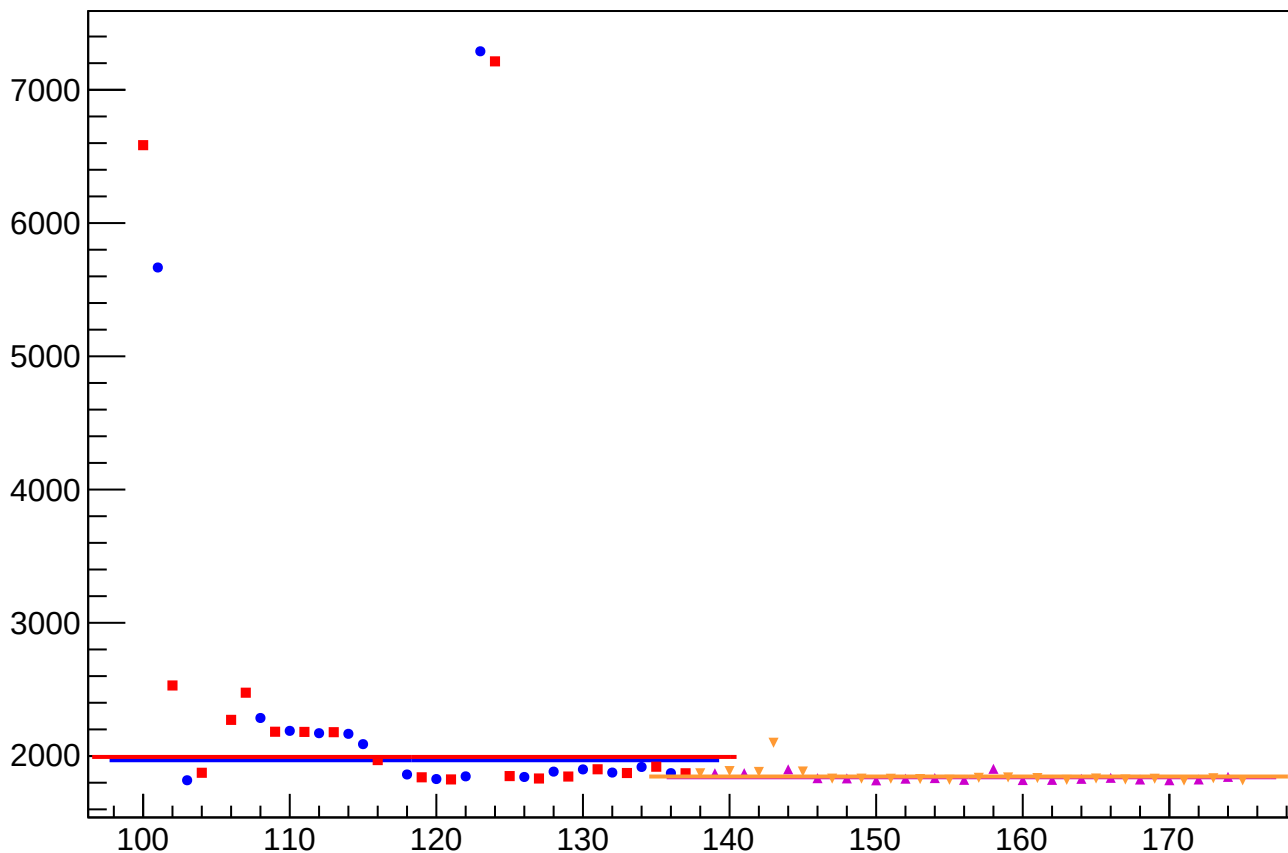
Right: -695.987+/-546.706 χ^2/NDF : 33.6/35

In: -336.425+/-416.920 χ^2/NDF : 44.2/34

Out: -873.825+/-404.561 χ^2/NDF : 38.7/38

All: -613.208+/-290.339 χ^2/NDF : 83.7/73

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1846.430+/-0.337 χ^2/NDF : 23593.2/19

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

Left In: 1840.752+/-0.348 χ^2/NDF : 5804.7/17

Left: 1843.684+/-0.242 χ^2/NDF : 29535.0/37

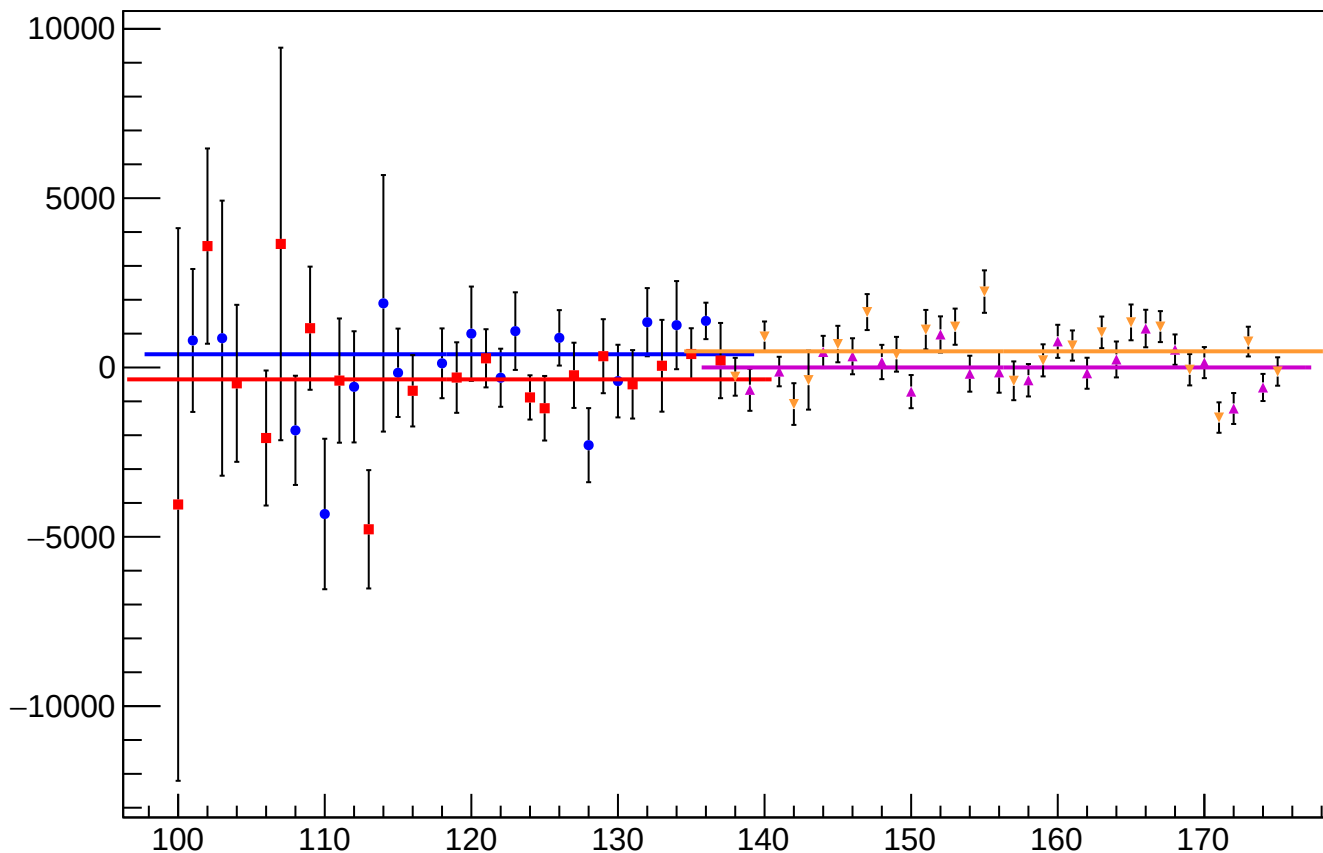
Right: 1981.318+/-0.387 χ^2/NDF : 960172.6/35

In: 1877.066+/-0.295 χ^2/NDF : 647036.2/34

Out: 1887.619+/-0.286 χ^2/NDF : 433018.8/38

All: 1882.501+/-0.205 χ^2/NDF : 1080715.0/73

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923+/-270.128 χ^2/NDF : 20.0/16

Left Out: 477.757+/-113.256 χ^2/NDF :58.2/19

Right Out: -350.642+/-266.097 χ^2/NDF : 14.2/18

Left In: 1.552+/-115.775 χ^2/NDF :26.7/17

Left: 244.892+/-80.960 χ^2/NDF : 93.6/37

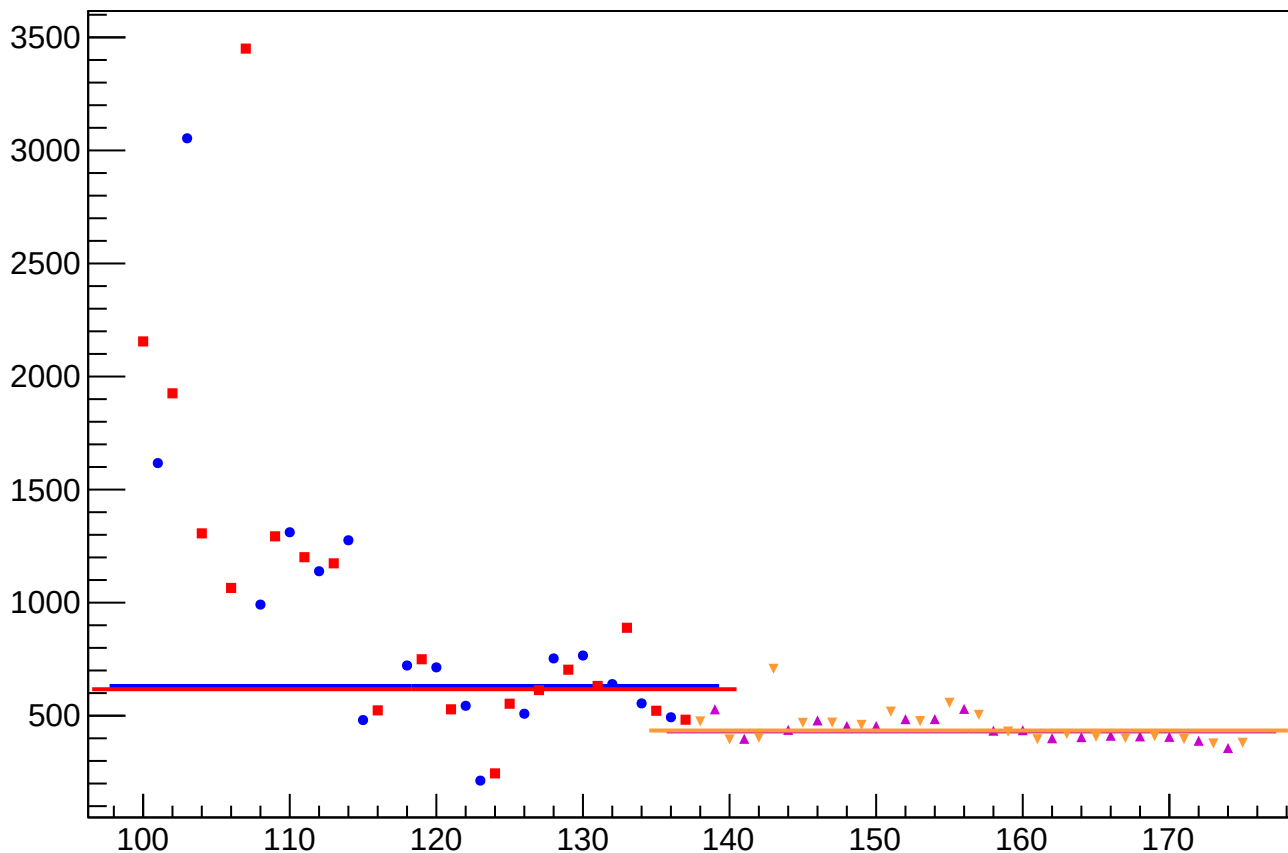
Right: 14.566+/-189.568 χ^2/NDF : 38.1/35

In: 61.977+/-106.413 χ^2/NDF :48.5/34

Out: 350.706+/-104.210 χ^2/NDF :80.6/38

All: 209.362+/-74.454 χ^2/NDF : 132.9/73

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 434.497+/-0.080 χ^2/NDF : 529133.0/19

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

Left In: 430.561+/-0.082 χ^2/NDF : 293773.1/17

Left: 432.572+/-0.057 χ^2/NDF : 824087.6/37

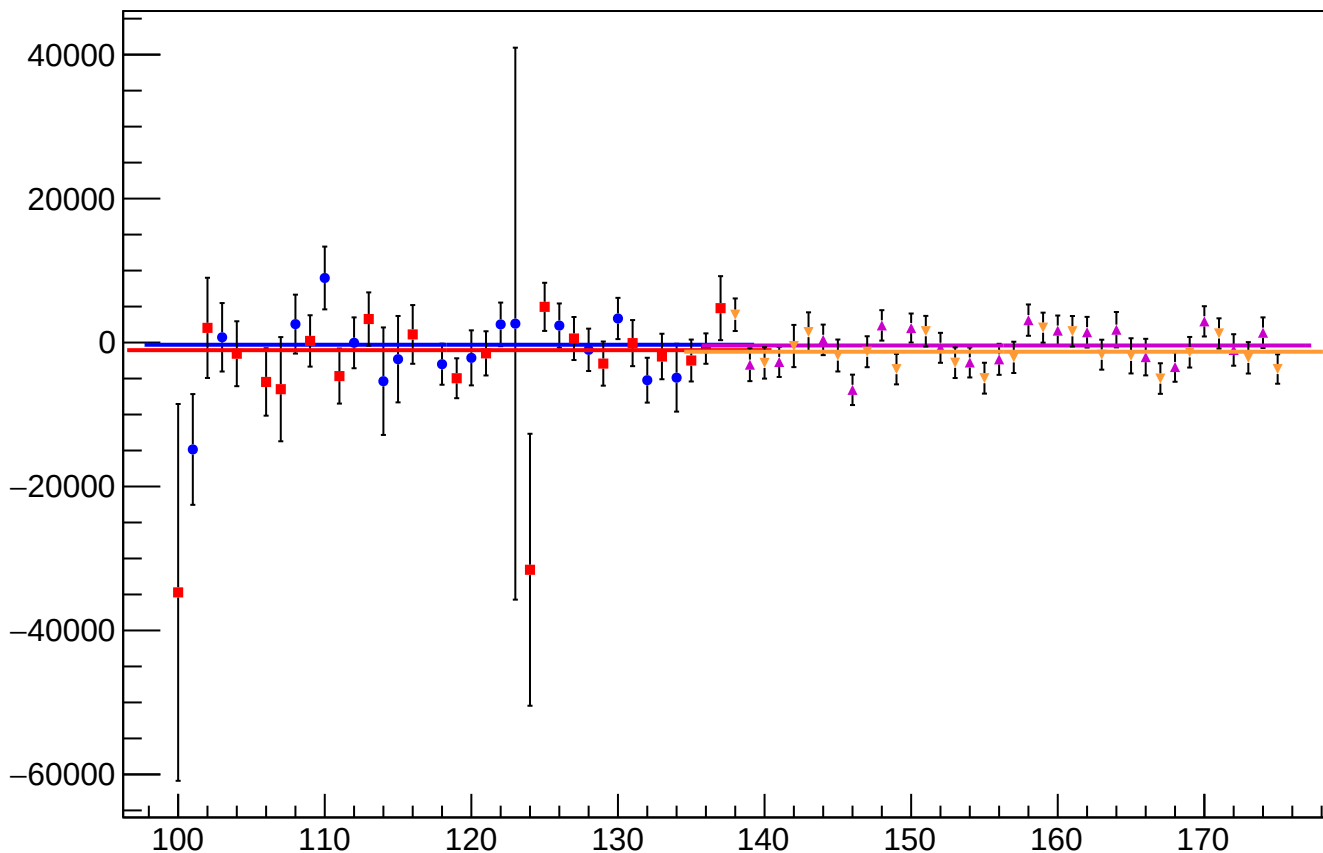
Right: 624.124+/-0.134 χ^2/NDF : 5065724.7/35

In: 461.733+/-0.075 χ^2/NDF : 3488745.0/34

Out: 462.493+/-0.074 χ^2/NDF : 4128091.4/38

All: 462.121+/-0.053 χ^2/NDF : 7616888.5/73

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -1273.202 ± 491.553 χ^2/NDF : 24.0/19

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

Left In: -408.665 ± 507.181 χ^2/NDF : 27.5/17

Left: -854.458 ± 352.976 χ^2/NDF : 53.0/37

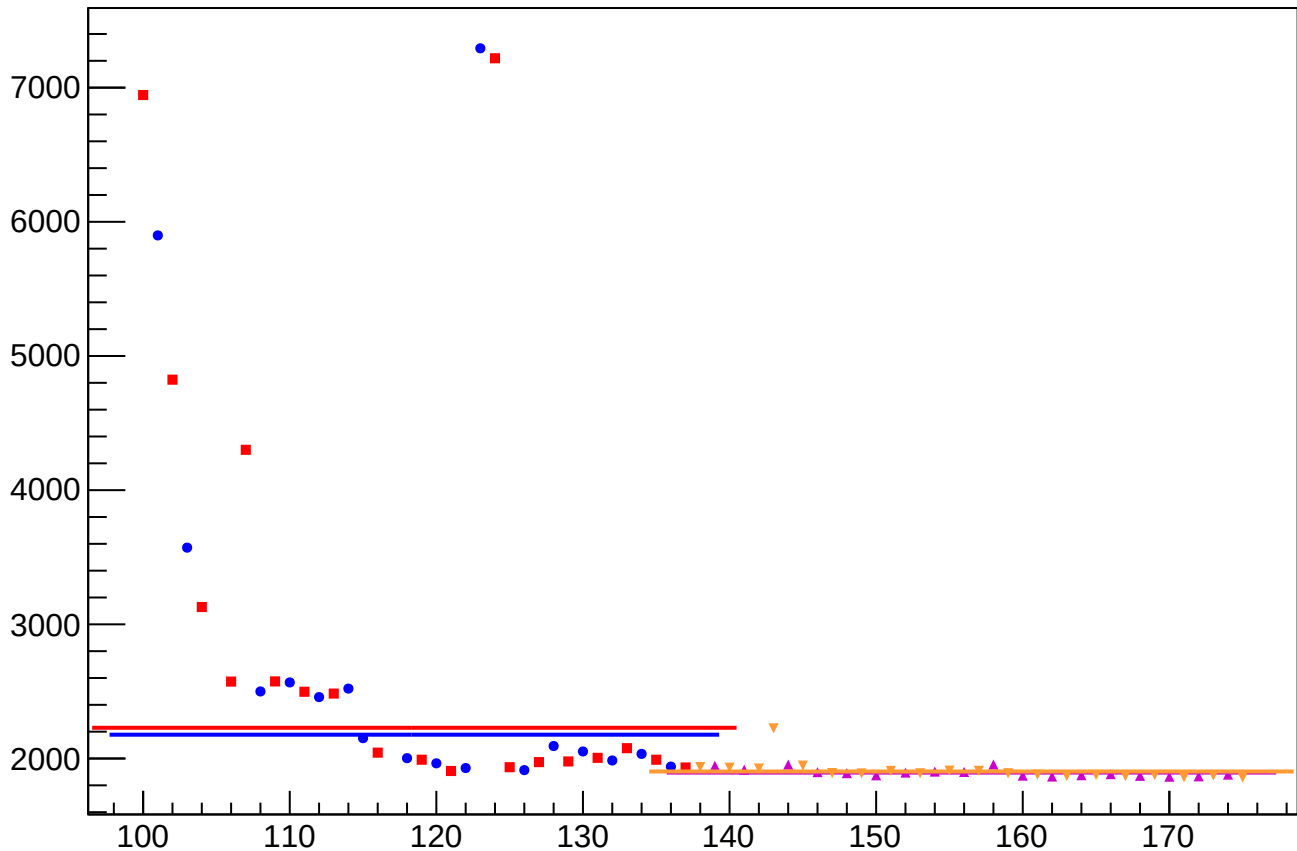
Right: -683.218 ± 614.953 χ^2/NDF : 34.2/35

In: -382.637 ± 438.407 χ^2/NDF : 44.6/34

Out: -1220.617 ± 427.662 χ^2/NDF : 40.7/38

All: -812.021 ± 306.131 χ^2/NDF : 87.2/73

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446+/-0.617 χ^2/NDF : 802836.7/16

Left Out: 1903.241+/-0.348 χ^2/NDF : 33428.2/19

Right Out: 2229.014+/-0.613 χ^2/NDF : 895809.1/18

Left In: 1894.998+/-0.359 χ^2/NDF : 6445.3/17

Left: 1899.248+/-0.250 χ^2/NDF : 40145.9/37

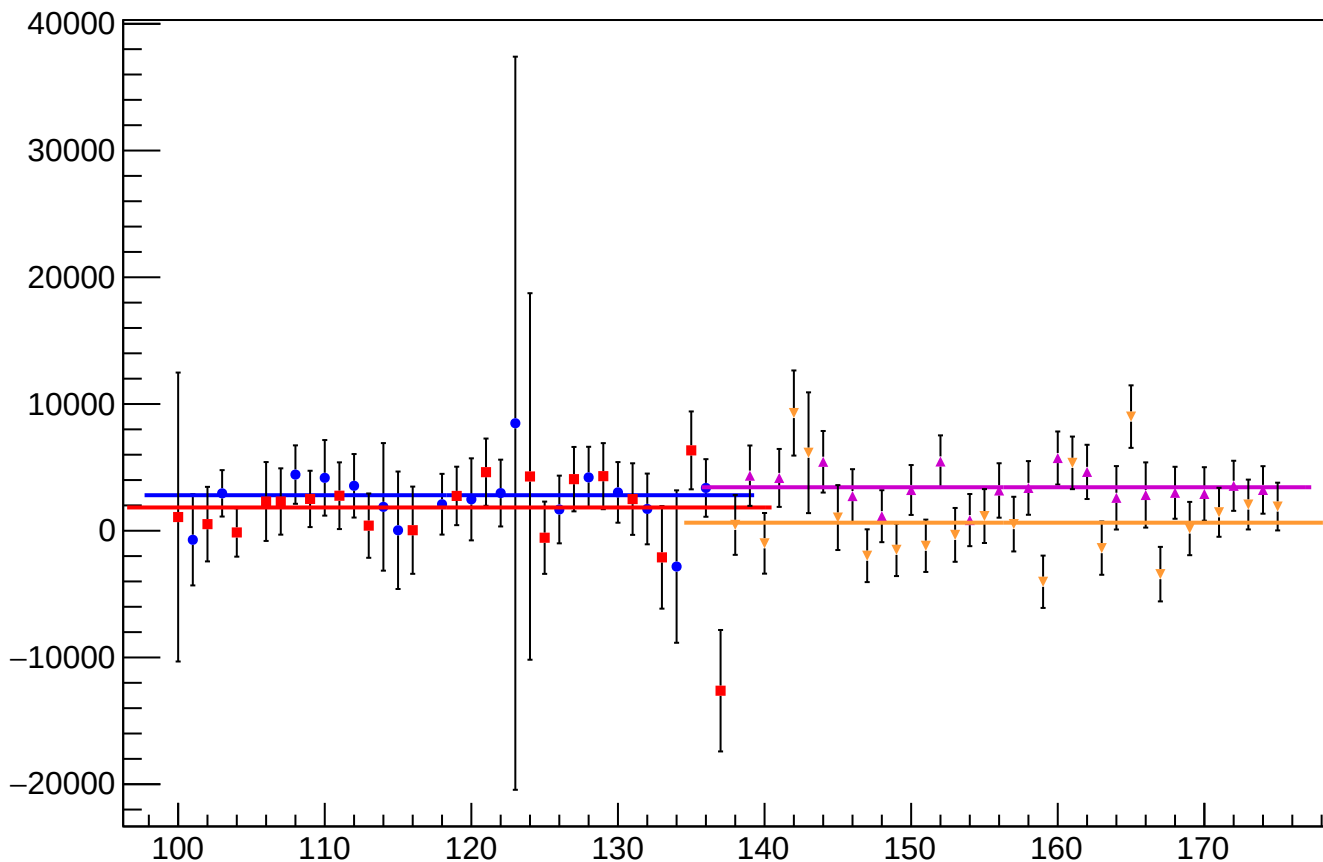
Right: 2203.363+/-0.435 χ^2/NDF : 1702161.6/35

In: 1966.405+/-0.310 χ^2/NDF : 966094.5/34

Out: 1982.424+/-0.302 χ^2/NDF : 1142757.2/38

All: 1974.613+/-0.216 χ^2/NDF : 2110219.9/73

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 635.359 $\pm$ 493.701 χ^2 /NDF:39.6/19

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

Left In: 3432.546 $\pm$ 504.617 χ^2 /NDF:6.7/17

Left: 2003.370 $\pm$ 352.895 χ^2 /NDF: 62.0/37

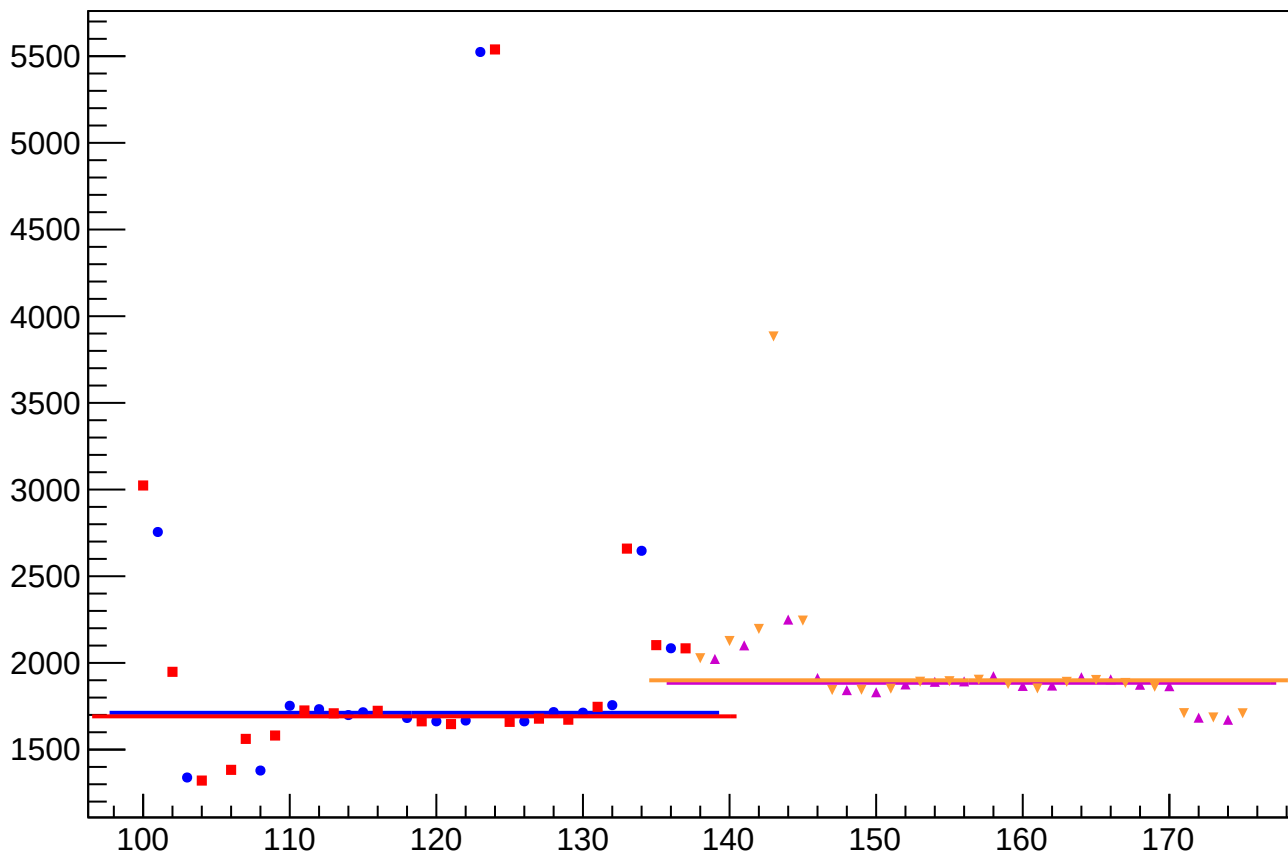
Right: 2303.702 $\pm$ 471.374 χ^2 /NDF: 23.0/35

In: 3208.688 $\pm$ 404.920 χ^2 /NDF:11.2/34

Out: 1070.510 $\pm$ 394.318 χ^2 /NDF:59.8/38

All: 2111.241 $\pm$ 282.499 χ^2 /NDF: 85.3/73

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1899.652+/-0.349 χ^2/NDF : 491460.6/19

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

Left In: 1885.430+/-0.357 χ^2/NDF : 120580.7/17

Left: 1892.696+/-0.250 χ^2/NDF : 612853.1/37

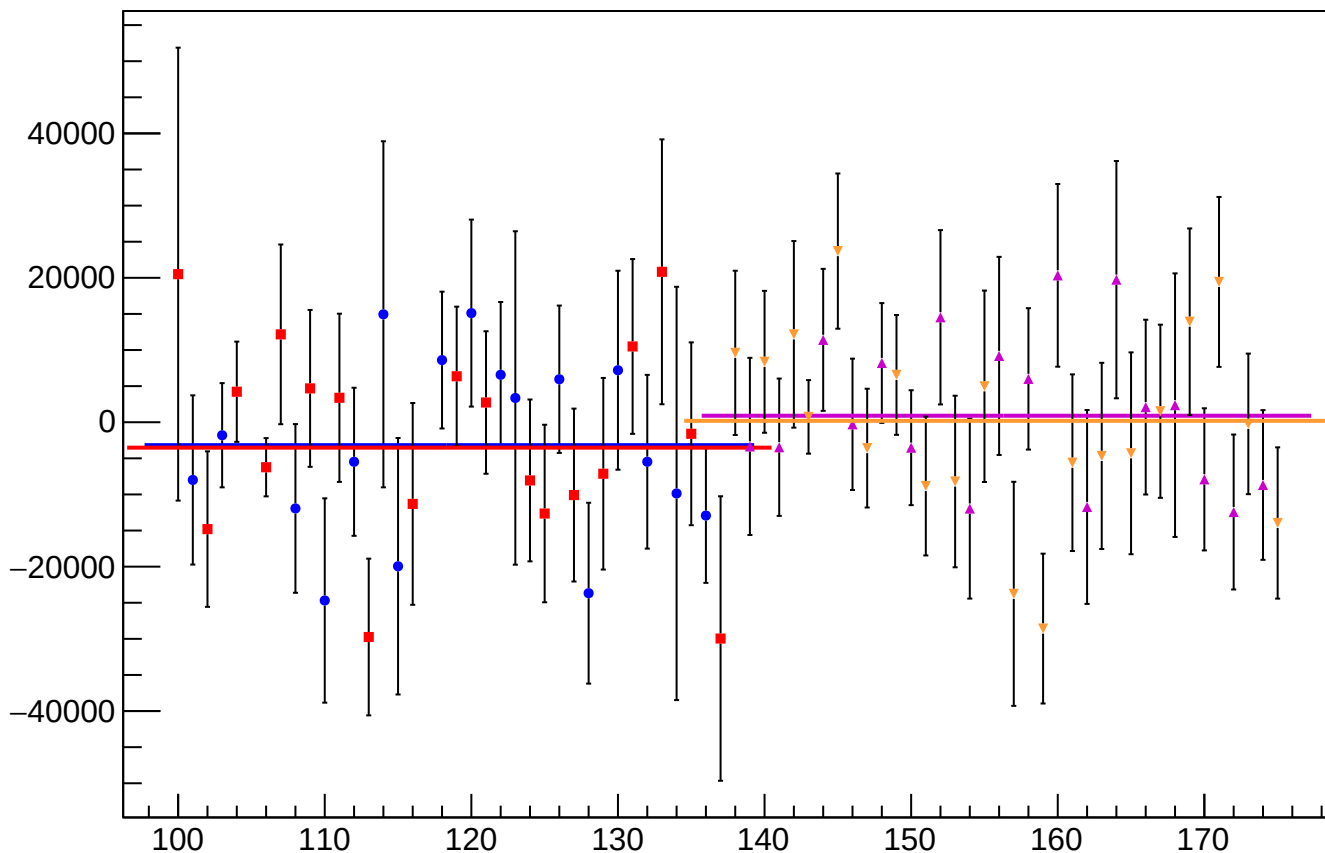
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1823.725+/-0.286 χ^2/NDF : 637036.1/34

Out: 1824.373+/-0.279 χ^2/NDF : 1074805.3/38

All: 1824.058+/-0.200 χ^2/NDF : 1711844.1/73

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 192.340+/-2262.830 χ^2/NDF : 25.5/19

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

Left In: 900.450+/-2555.240 χ^2/NDF : 13.3/17

Left: 503.577+/-1694.054 χ^2/NDF : 38.9/37

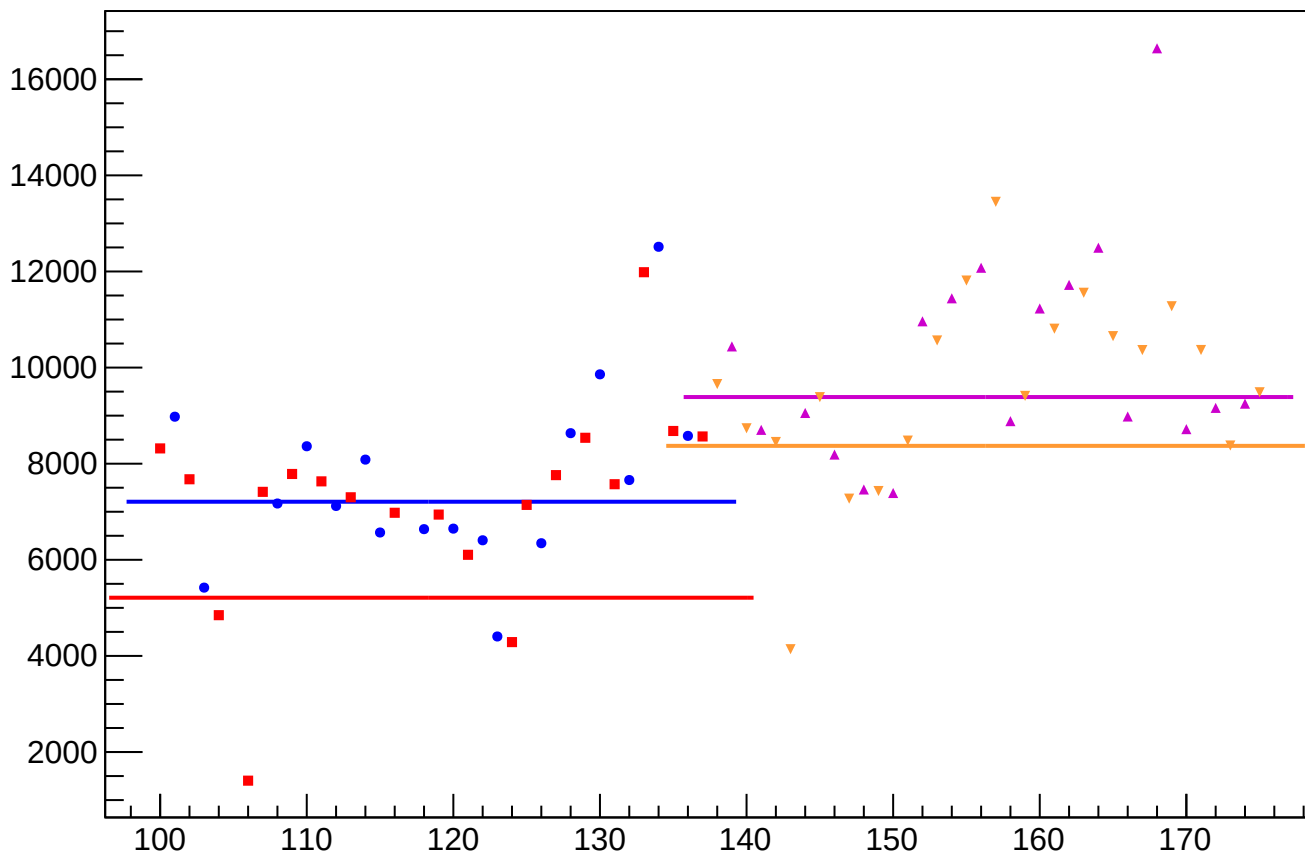
Right: -3385.836+/-1774.424 χ^2/NDF : 33.9/35

In: -913.509+/-1903.120 χ^2/NDF : 28.8/34

Out: -1660.848+/-1601.370 χ^2/NDF : 46.4/38

All: -1351.054+/-1225.305 χ^2/NDF : 75.3/73

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 8371.250 $\pm$ 1.600 χ^2 /NDF: 2417990.6/19

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

Left In: 9387.079 $\pm$ 1.807 χ^2 /NDF: 969350.2/17

Left: 8817.739 $\pm$ 1.198 χ^2 /NDF: 3564497.7/37

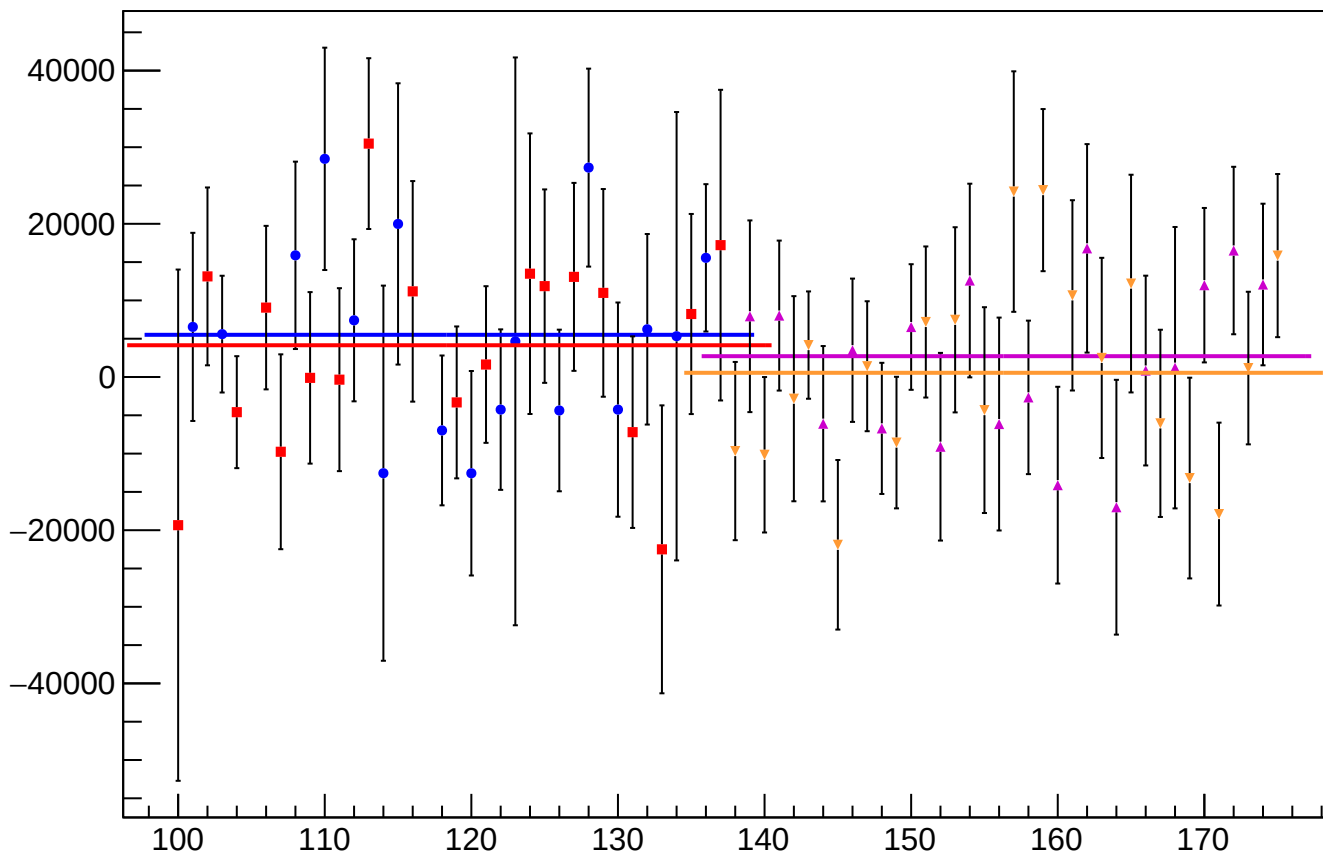
Right: 5984.369 $\pm$ 1.255 χ^2 /NDF: 4267414.1/35

In: 8417.018 $\pm$ 1.346 χ^2 /NDF: 2085981.4/34

Out: 6793.801 $\pm$ 1.132 χ^2 /NDF: 7561911.2/38

All: 7466.673 $\pm$ 0.866 χ^2 /NDF: 10499727.5/77

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: 549.573 $\pm$ 2425.067 χ^2 /NDF:22.9/19

Right Out: 4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

Left In: 2718.372 $\pm$ 2614.359 χ^2 /NDF:12.3/17

Left: 1552.623 $\pm$ 1777.939 χ^2 /NDF: 35.6/37

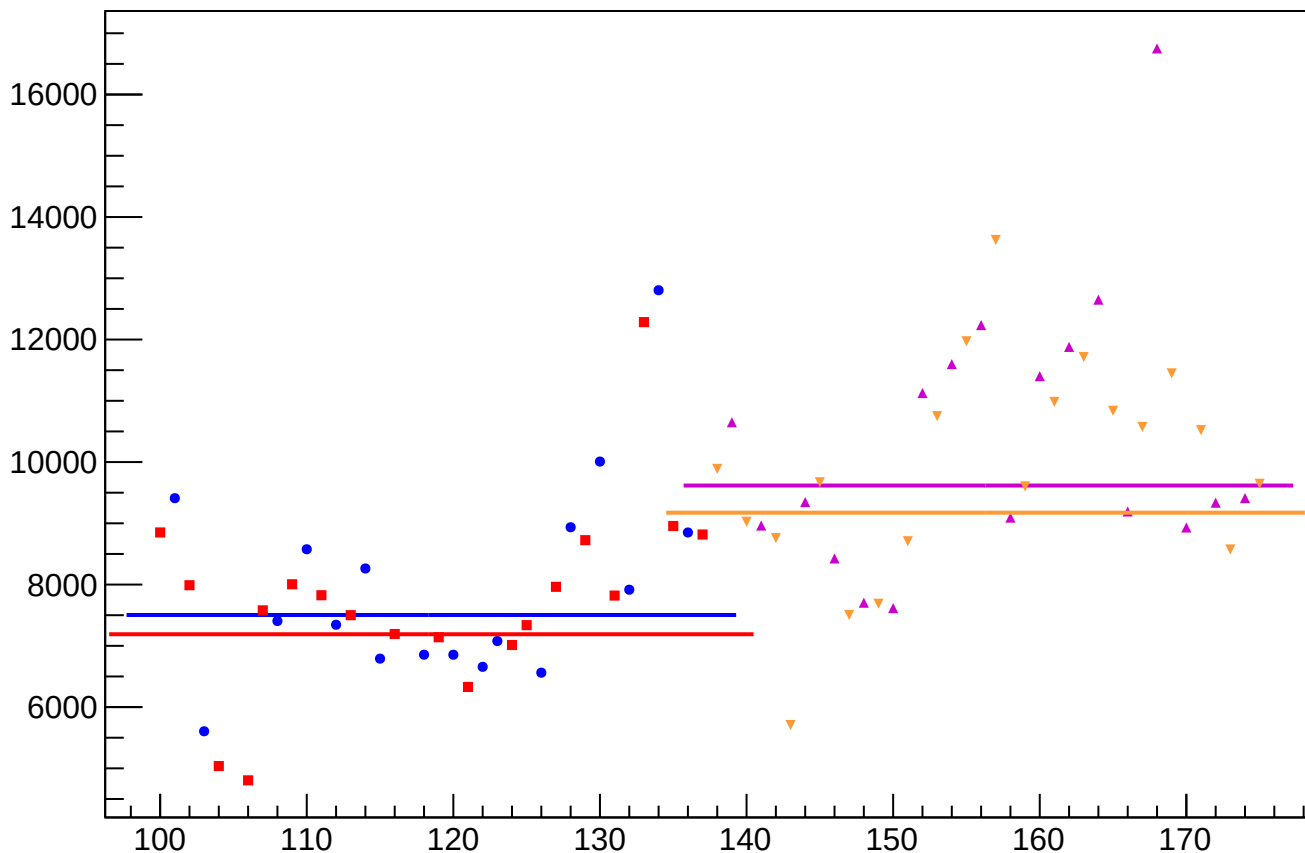
Right: 4784.984 $\pm$ 2033.900 χ^2 /NDF: 29.6/35

In: 3936.377 $\pm$ 1962.684 χ^2 /NDF:26.9/34

Out: 2097.242 $\pm$ 1830.360 χ^2 /NDF:39.3/38

All: 2952.728 $\pm$ 1338.597 χ^2 /NDF: 66.7/73

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 9173.785 $\pm$ 1.715 χ^2 /NDF: 1199018.6/19

Right Out: 7189.231 $\pm$ 1.973 χ^2 /NDF: 557703.4/18

Left In: 9616.864 $\pm$ 1.849 χ^2 /NDF: 907298.0/17

Left: 9378.705 $\pm$ 1.257 χ^2 /NDF: 2137194.6/37

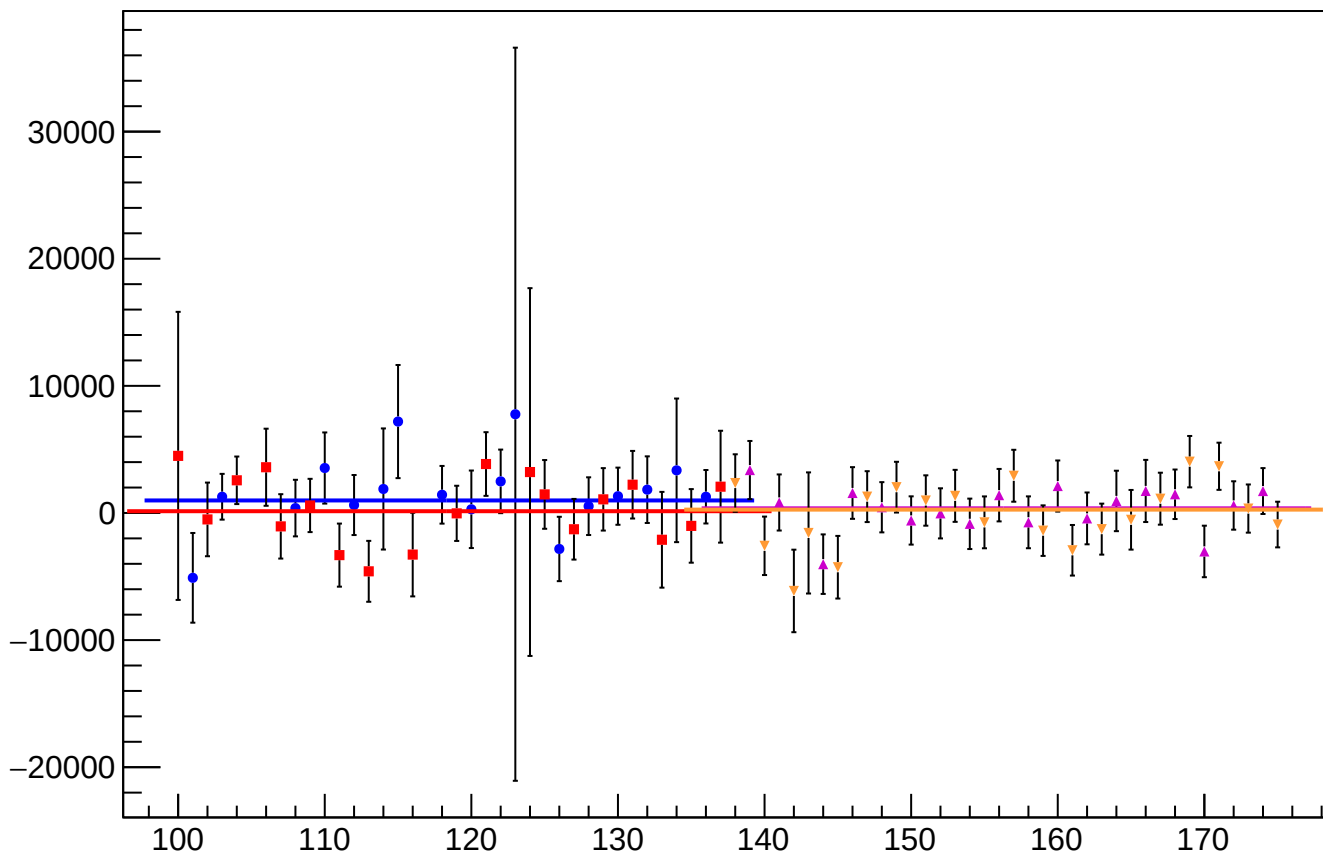
Right: 7336.574 $\pm$ 1.438 χ^2 /NDF: 996921.9/35

In: 8694.636 $\pm$ 1.388 χ^2 /NDF: 1904878.2/34

Out: 8319.653 $\pm$ 1.294 χ^2 /NDF: 2333183.6/38

All: 8494.071 $\pm$ 0.946 χ^2 /NDF: 4277110.7/73

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452+/-644.630 χ^2/NDF : 9.1/16

Left Out: 263.340+/-473.442 χ^2/NDF : 24.6/19

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

Left In: 365.935+/-484.317 χ^2/NDF : 11.8/17

Left: 313.473+/-338.553 χ^2/NDF : 36.5/37

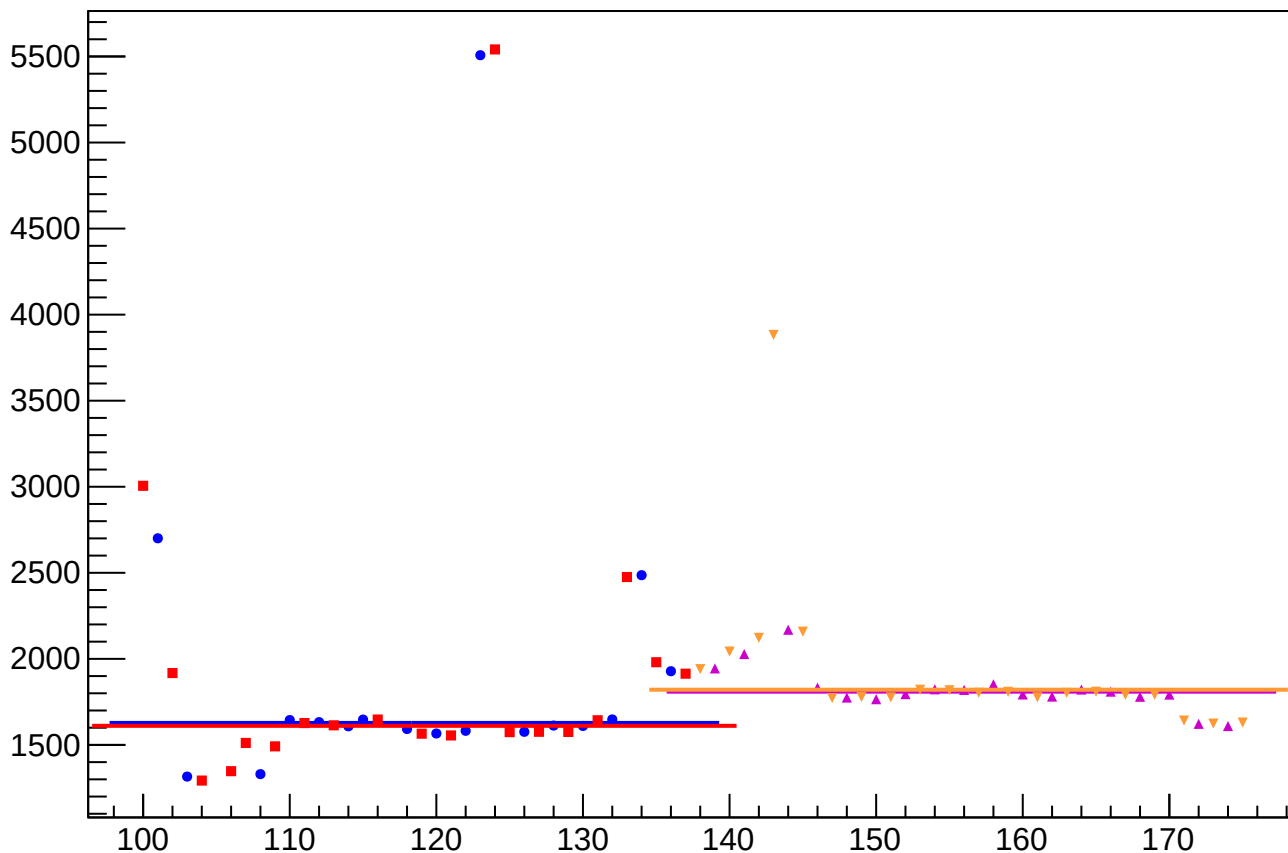
Right: 547.971+/-448.185 χ^2/NDF : 24.6/35

In: 589.460+/-387.210 χ^2/NDF : 21.5/34

Out: 217.735+/-377.070 χ^2/NDF : 39.3/38

All: 398.667+/-270.143 χ^2/NDF : 61.3/73

reg_asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 1820.718 $\pm$ 0.335 χ^2 /NDF: 521606.1/19

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

Left In: 1809.494 $\pm$ 0.342 χ^2 /NDF: 121804.6/17

Left: 1815.233 $\pm$ 0.239 χ^2 /NDF: 643959.9/37

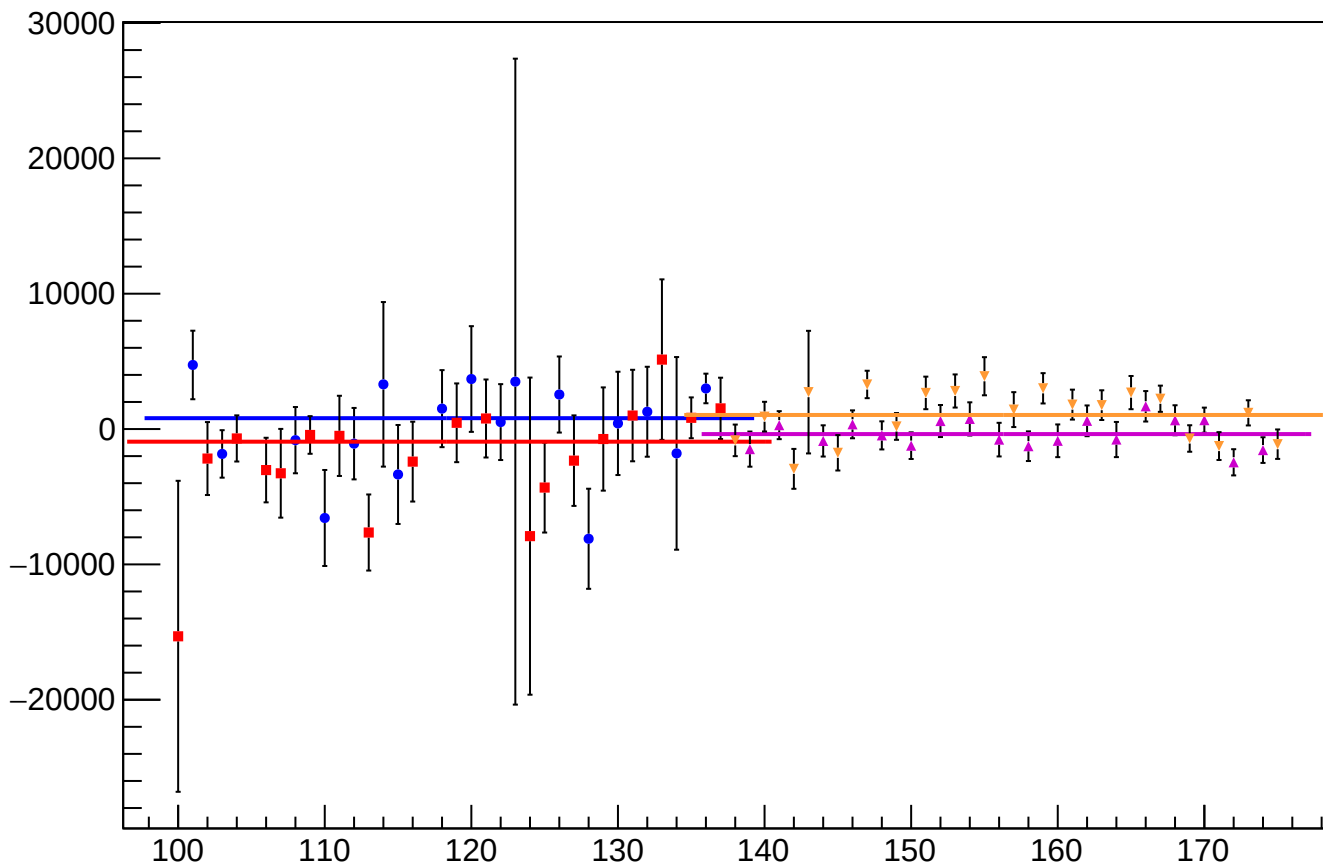
Right: 1619.112 $\pm$ 0.317 χ^2 /NDF: 841776.5/35

In: 1743.951 $\pm$ 0.274 χ^2 /NDF: 630431.0/34

Out: 1744.010 $\pm$ 0.267 χ^2 /NDF: 1099141.3/38

All: 1743.981 $\pm$ 0.191 χ^2 /NDF: 1729572.3/73

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 ± 631.676 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 1040.028 ± 255.800 $\chi^2/\text{NDF}: 47.9/19$

Right Out: -933.645 ± 589.727 $\chi^2/\text{NDF}: 15.3/18$

Left In: -372.110 ± 257.817 $\chi^2/\text{NDF}: 17.5/17$

Left: 339.504 ± 181.587 $\chi^2/\text{NDF}: 80.5/37$

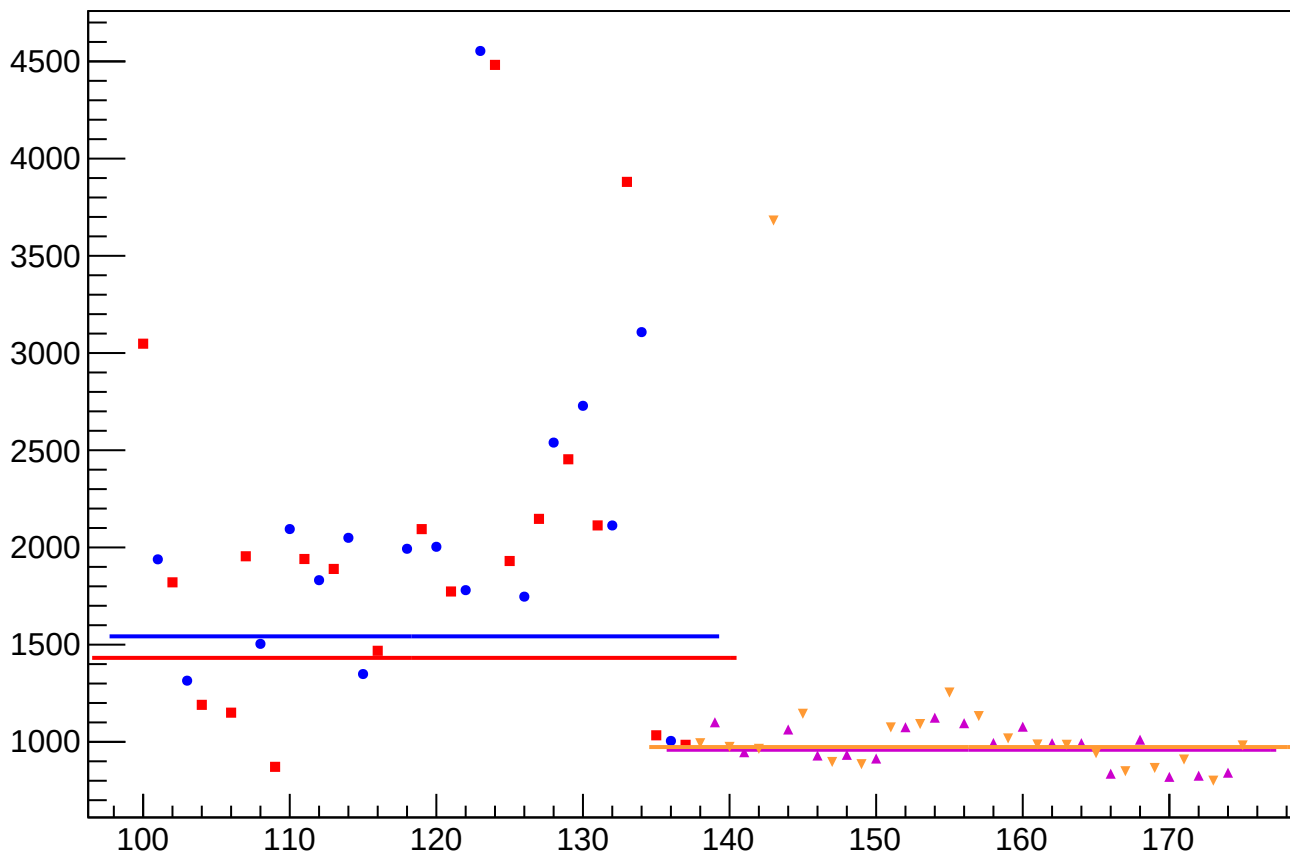
Right: -124.875 ± 431.067 $\chi^2/\text{NDF}: 41.7/35$

In: -204.301 ± 238.701 $\chi^2/\text{NDF}: 42.9/34$

Out: 727.488 ± 234.674 $\chi^2/\text{NDF}: 72.6/38$

All: 269.519 ± 167.345 $\chi^2/\text{NDF}: 123.2/73$

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 973.328 $\pm$ 0.181 χ^2 /NDF: 1059055.9/19

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

Left In: 959.371 $\pm$ 0.182 χ^2 /NDF: 294059.7/17

Left: 966.404 $\pm$ 0.128 χ^2 /NDF: 1356069.2/37

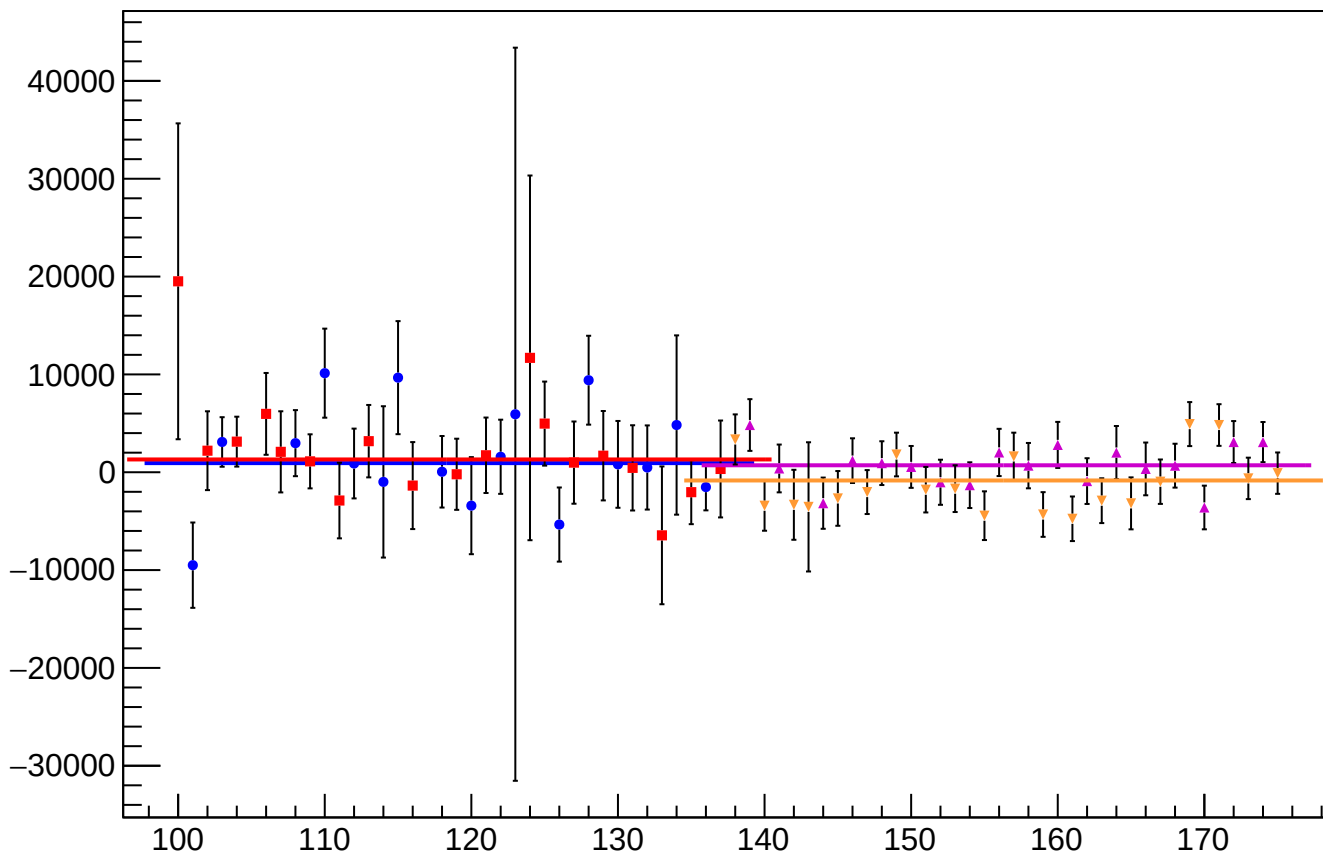
Right: 1483.562 $\pm$ 0.305 χ^2 /NDF: 3144570.0/35

In: 1042.669 $\pm$ 0.169 χ^2 /NDF: 3044047.7/34

Out: 1045.962 $\pm$ 0.166 χ^2 /NDF: 3901193.4/38

All: 1044.344 $\pm$ 0.118 χ^2 /NDF: 6945434.7/73

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 $\pm$ 967.941 χ^2/NDF : 21.6/16

Left Out: -840.847 $\pm$ 542.291 χ^2/NDF : 30.5/19

Right Out: 1307.802 $\pm$ 925.415 χ^2/NDF : 8.5/18

Left In: 711.225 $\pm$ 551.520 χ^2/NDF : 14.1/17

Left: -77.905 $\pm$ 386.679 χ^2/NDF : 48.7/37

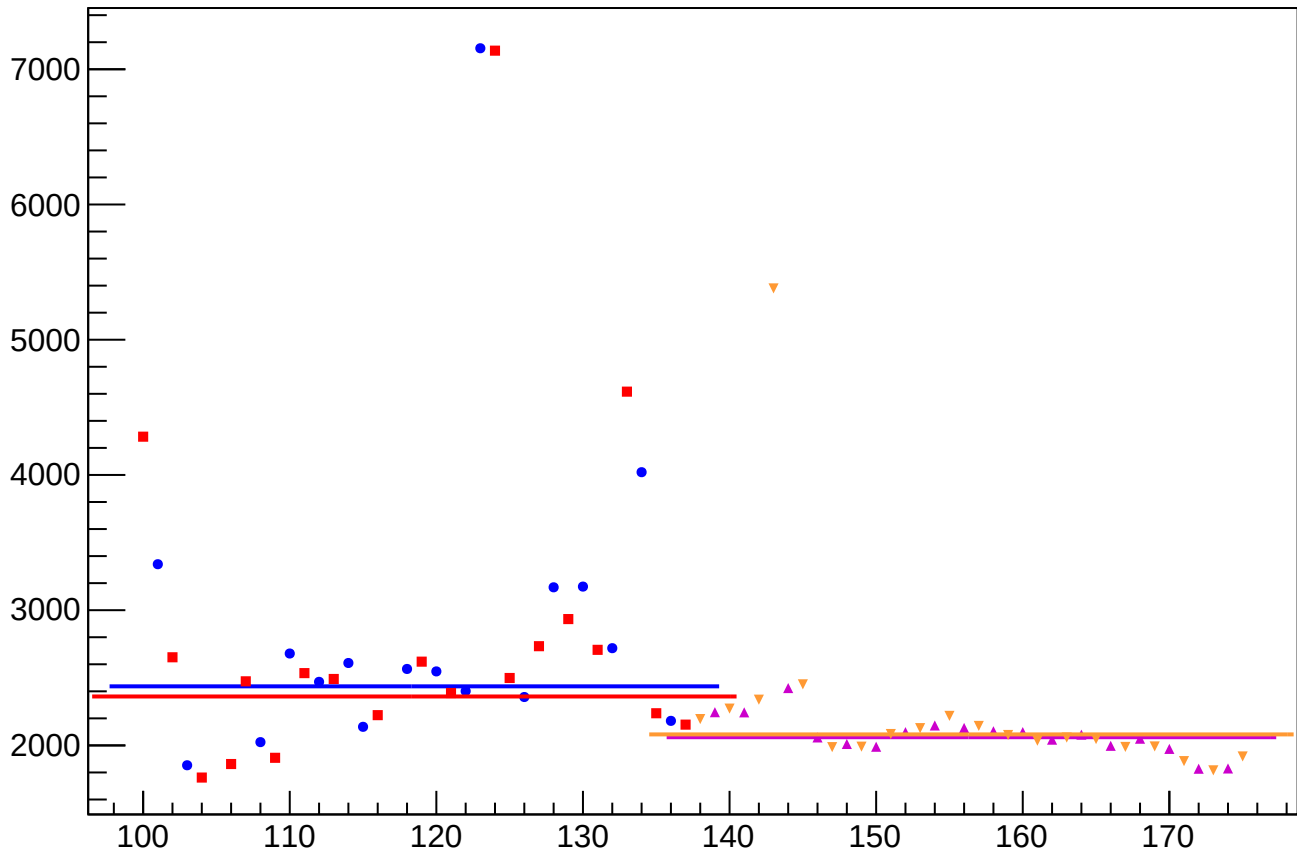
Right: 1128.728 $\pm$ 668.896 χ^2/NDF : 30.2/35

In: 765.534 $\pm$ 479.192 χ^2/NDF : 35.8/34

Out: -291.618 $\pm$ 467.876 χ^2/NDF : 43.0/38

All: 224.329 $\pm$ 334.767 χ^2/NDF : 81.3/73

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2081.416+/-0.383 χ^2/NDF : 642708.3/19

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

Left In: 2060.668+/-0.390 χ^2/NDF : 122370.1/17

Left: 2071.217+/-0.273 χ^2/NDF : 766517.5/37

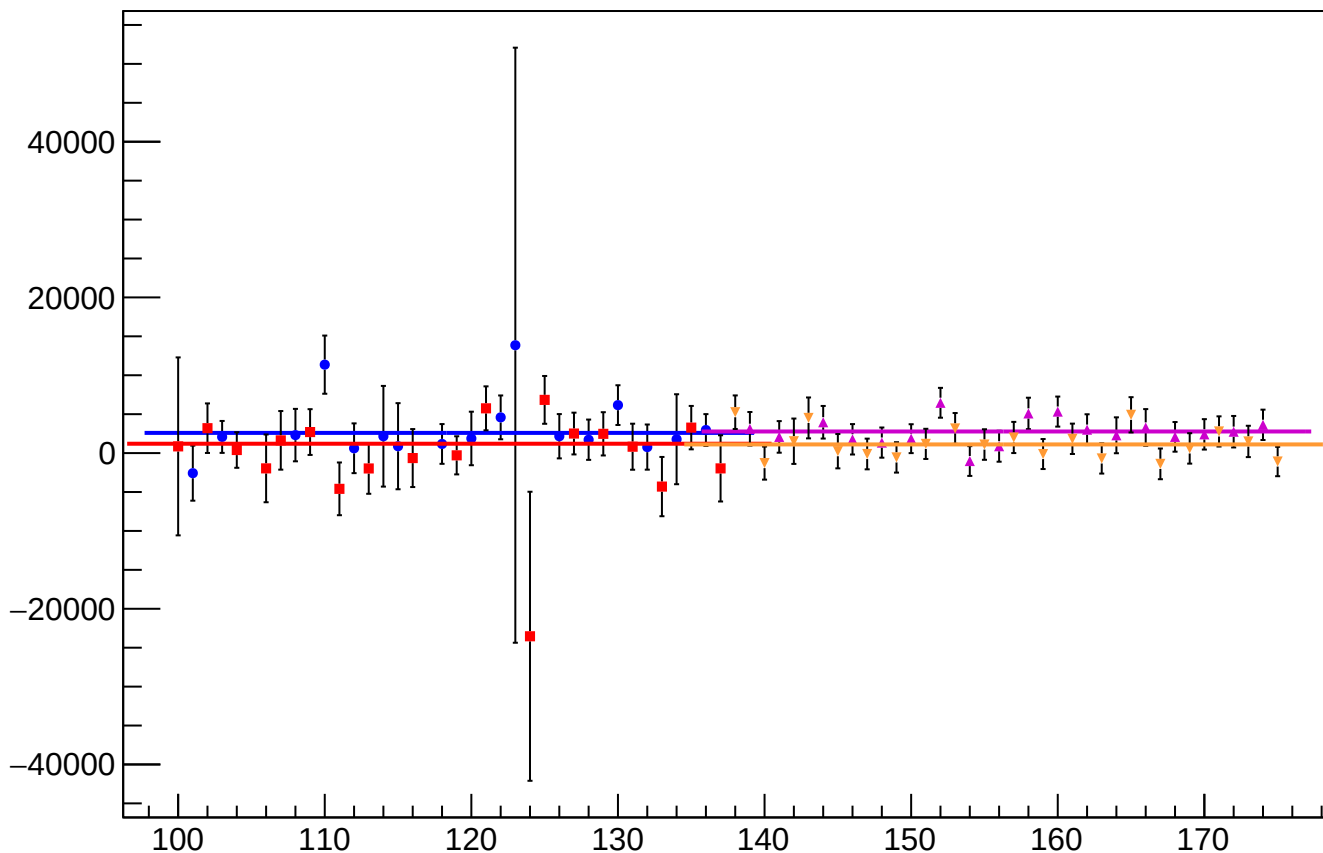
Right: 2397.684+/-0.473 χ^2/NDF : 1131146.9/35

In: 2152.867+/-0.339 χ^2/NDF : 819454.4/34

Out: 2153.108+/-0.331 χ^2/NDF : 1435300.4/38

All: 2152.990+/-0.237 χ^2/NDF : 2254755.0/73

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1114.024+/-458.417 χ^2/NDF : 17.2/19

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

Left In: 2775.623+/-472.235 χ^2/NDF : 13.6/17

Left: 1920.157+/-328.926 χ^2/NDF : 37.2/37

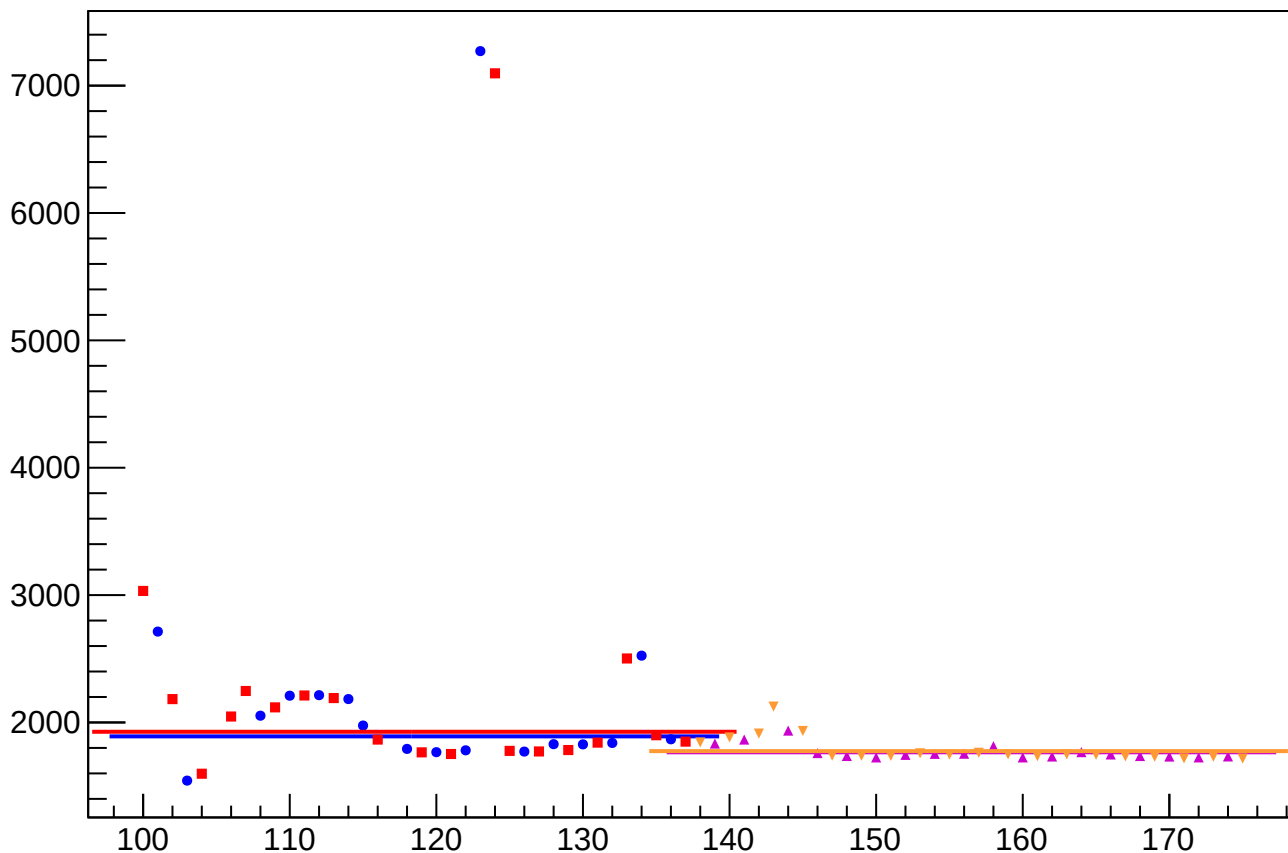
Right: 1895.439+/-524.180 χ^2/NDF : 30.7/35

In: 2723.561+/-398.548 χ^2/NDF : 25.3/34

Out: 1138.593+/-389.644 χ^2/NDF : 34.5/38

All: 1913.174+/-278.615 χ^2/NDF : 67.9/73

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1774.920+/-0.324 χ^2/NDF : 68430.7/19

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

Left In: 1765.699+/-0.334 χ^2/NDF : 26901.0/17

Left: 1770.446+/-0.233 χ^2/NDF : 95724.3/37

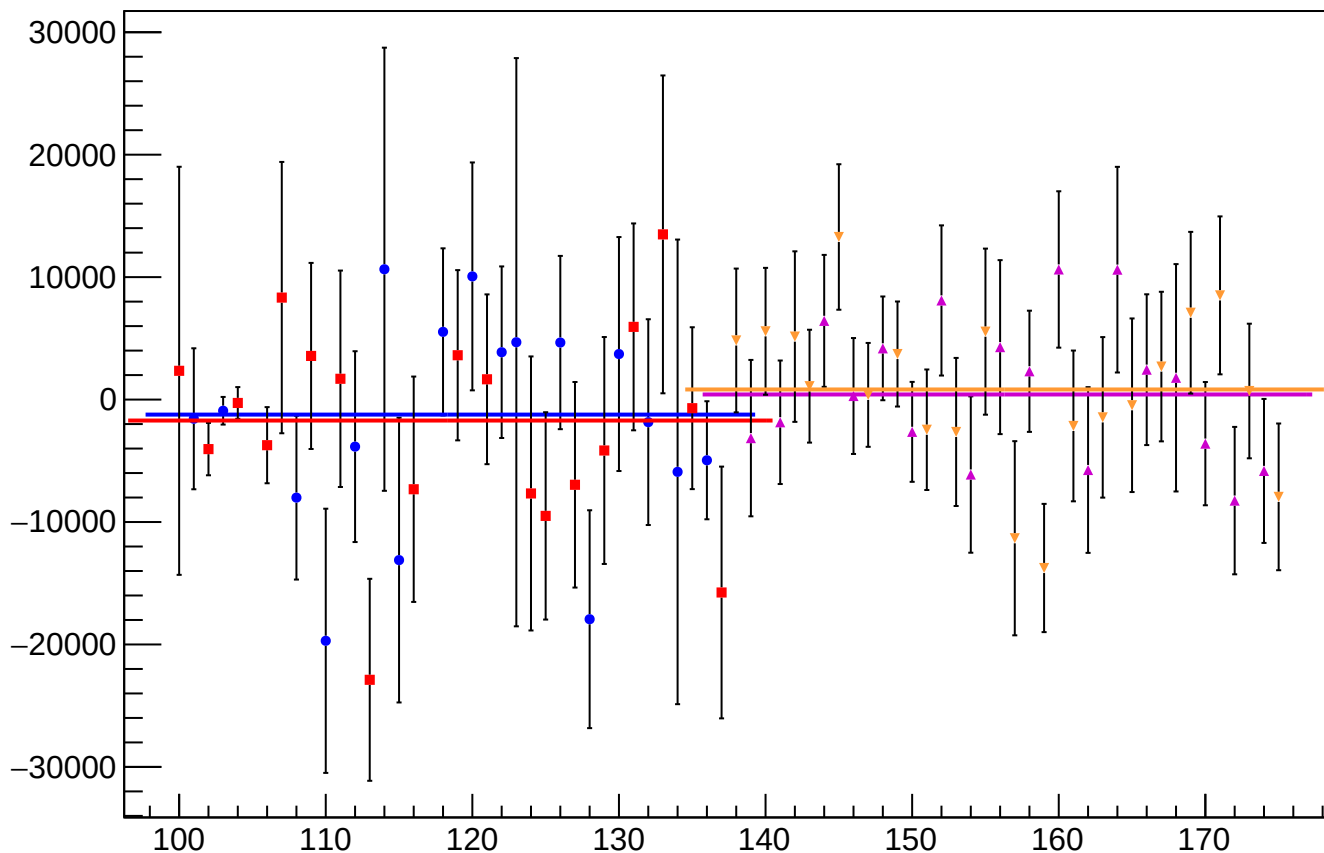
Right: 1908.946+/-0.370 χ^2/NDF : 653591.4/35

In: 1801.672+/-0.282 χ^2/NDF : 356180.0/34

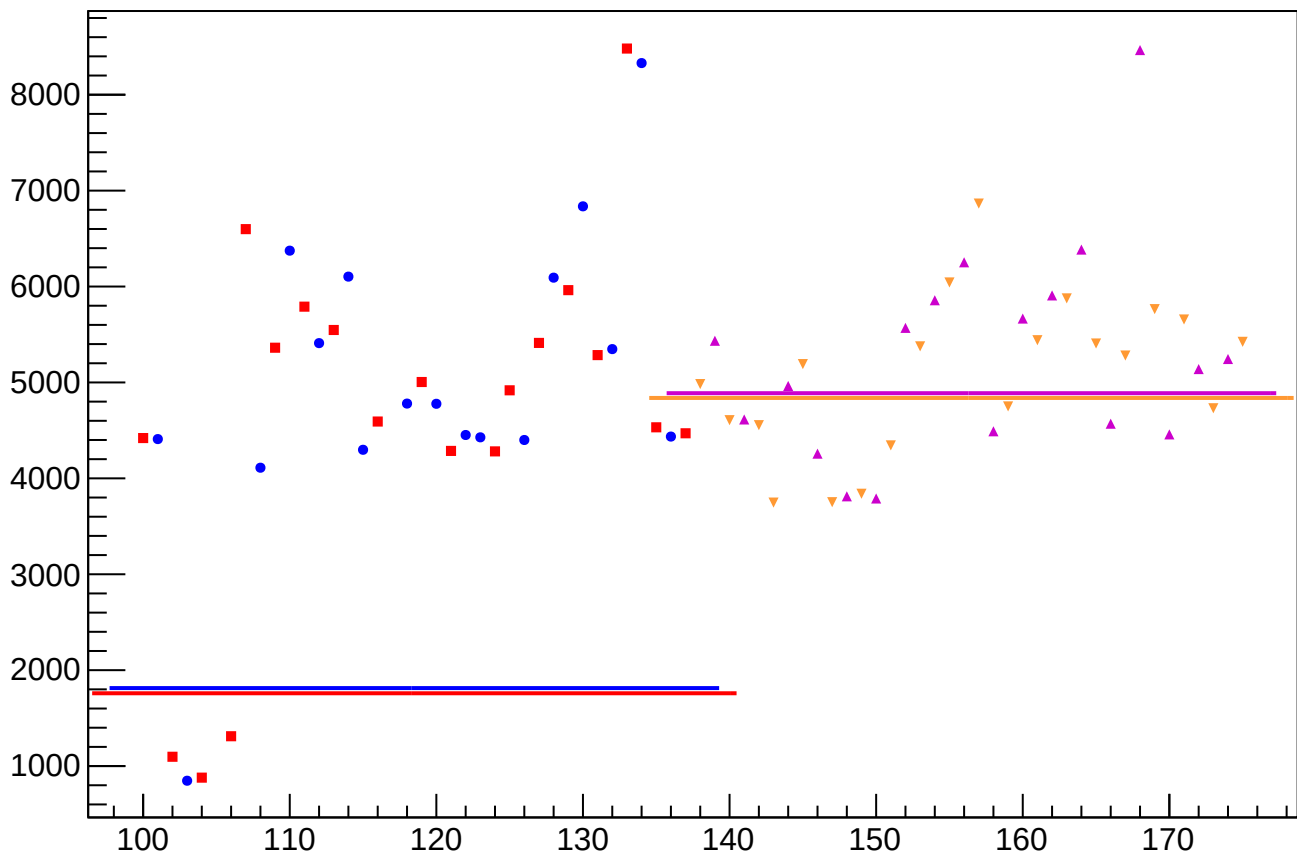
Out: 1817.209+/-0.275 χ^2/NDF : 491874.0/38

All: 1809.619+/-0.197 χ^2/NDF : 849608.9/73

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4838.348+/-0.899 χ^2/NDF : 781764.3/19

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

Left In: 4887.917+/-0.941 χ^2/NDF : 953886.0/17

Left: 4861.997+/-0.650 χ^2/NDF : 1737102.1/37

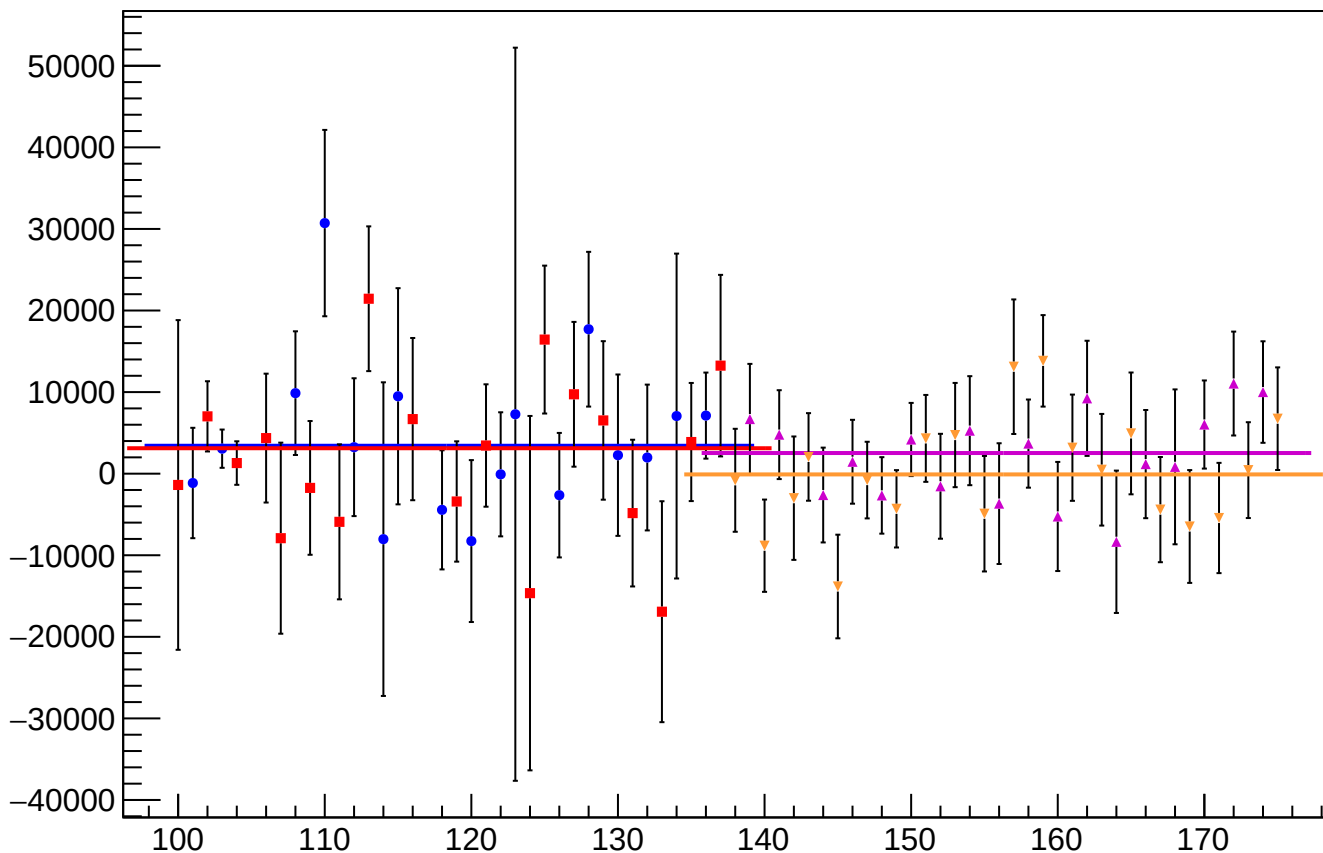
Right: 1784.958+/-0.481 χ^2/NDF : 12765256.3/35

In: 2901.308+/-0.560 χ^2/NDF : 14305123.7/34

Out: 2850.513+/-0.535 χ^2/NDF : 14675898.3/38

All: 2874.766+/-0.387 χ^2/NDF : 28985326.9/77

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -90.792+/-1369.296 χ^2/NDF : 22.5/19

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

Left In: 2531.169+/-1426.418 χ^2/NDF : 11.6/17

Left: 1166.638+/-987.815 χ^2/NDF : 35.8/37

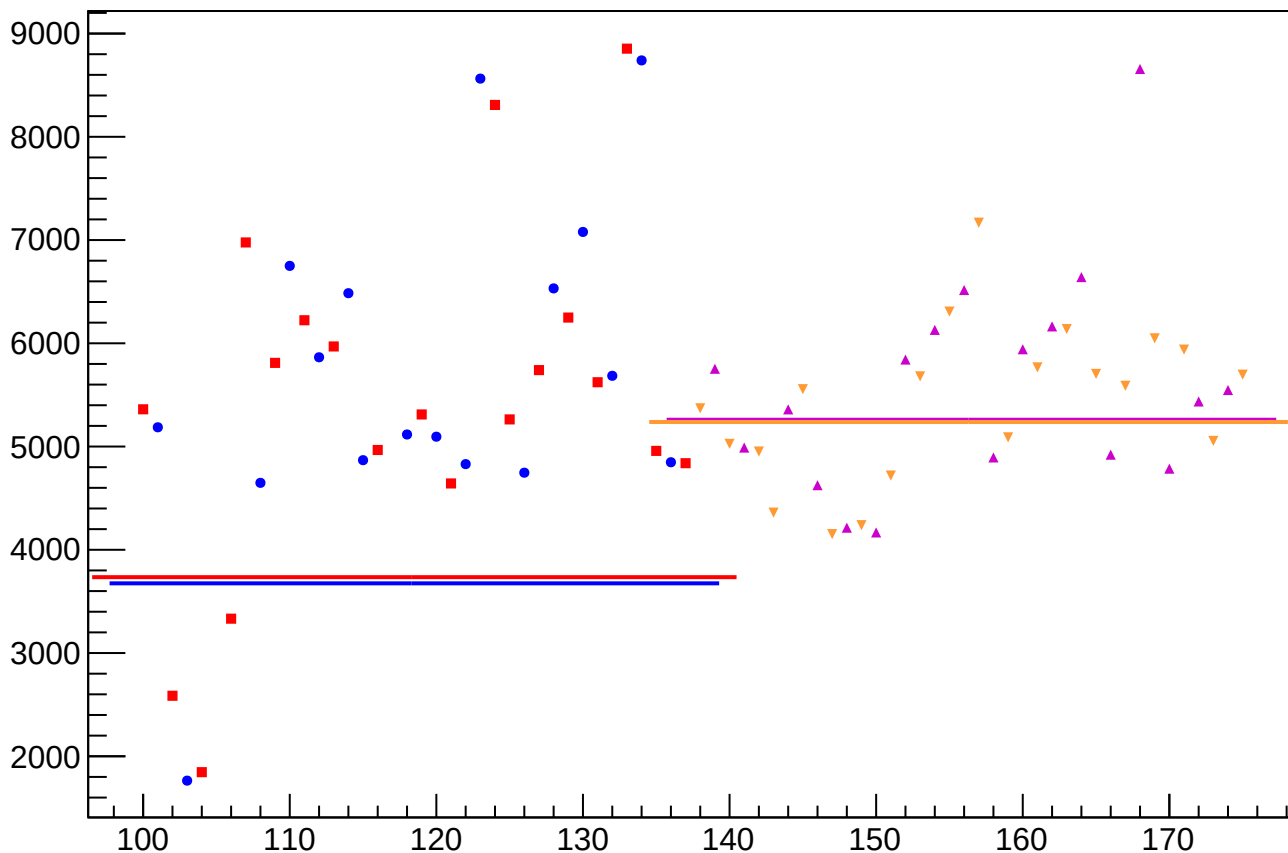
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2923.504+/-1066.692 χ^2/NDF : 25.5/34

Out: 1259.937+/-1041.957 χ^2/NDF : 40.8/38

All: 2072.209+/-745.366 χ^2/NDF : 67.5/73

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2 /NDF: 2775085.7/16

Left Out: 5237.879 $\pm$ 0.968 χ^2 /NDF: 569034.4/19

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

Left In: 5259.719 $\pm$ 1.009 χ^2 /NDF: 767954.2/17

Left: 5248.352 $\pm$ 0.698 χ^2 /NDF: 1337232.6/37

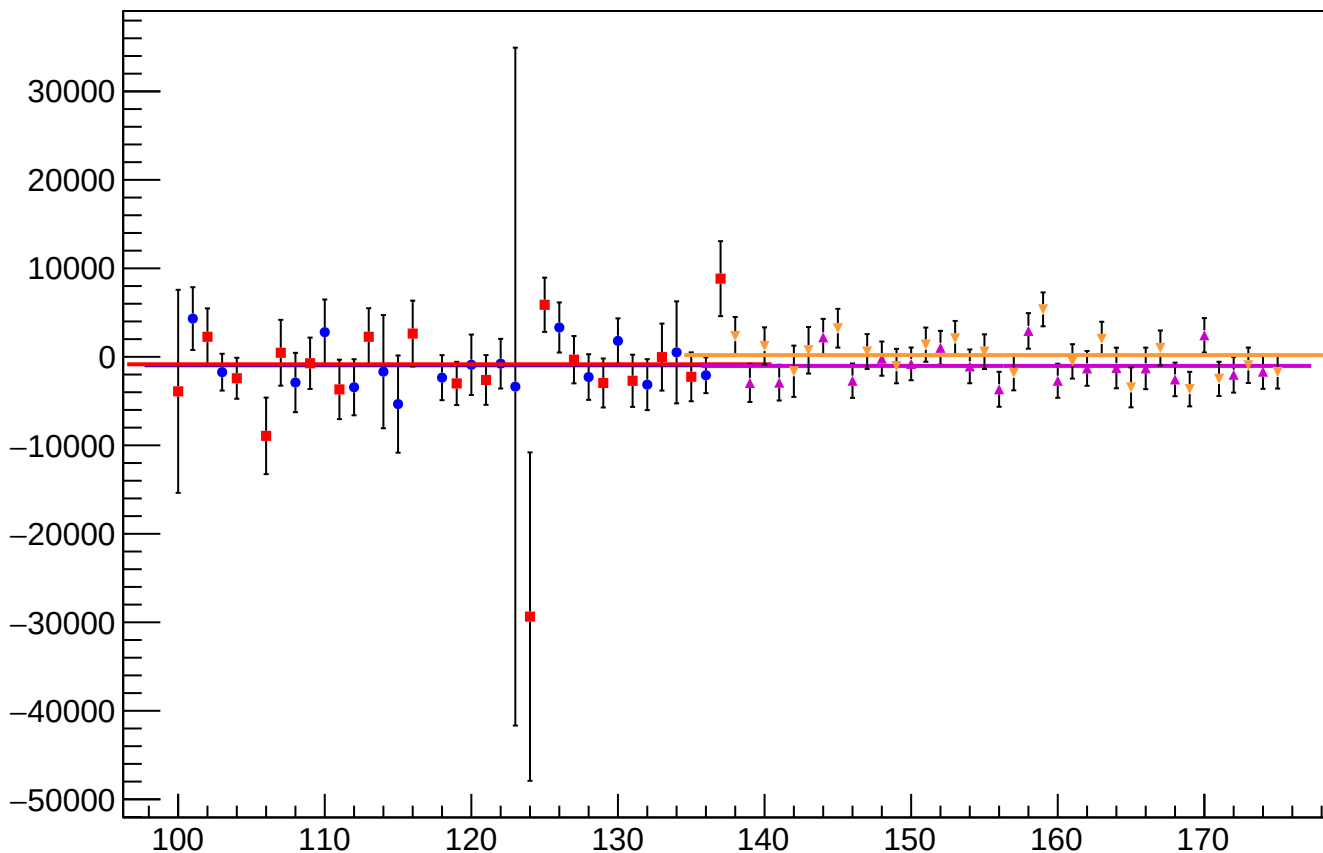
Right: 3705.112 $\pm$ 0.800 χ^2 /NDF: 5470409.5/35

In: 4561.210 $\pm$ 0.754 χ^2 /NDF: 4631115.4/34

Out: 4600.246 $\pm$ 0.735 χ^2 /NDF: 4285288.3/38

All: 4581.241 $\pm$ 0.526 χ^2 /NDF: 8917778.1/73

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left Out: 197.774 ± 456.657 χ^2/NDF : 24.7/19

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

Left In: -1023.070 ± 470.351 χ^2/NDF : 16.8/17

Left: -394.617 ± 327.640 χ^2/NDF : 44.9/37

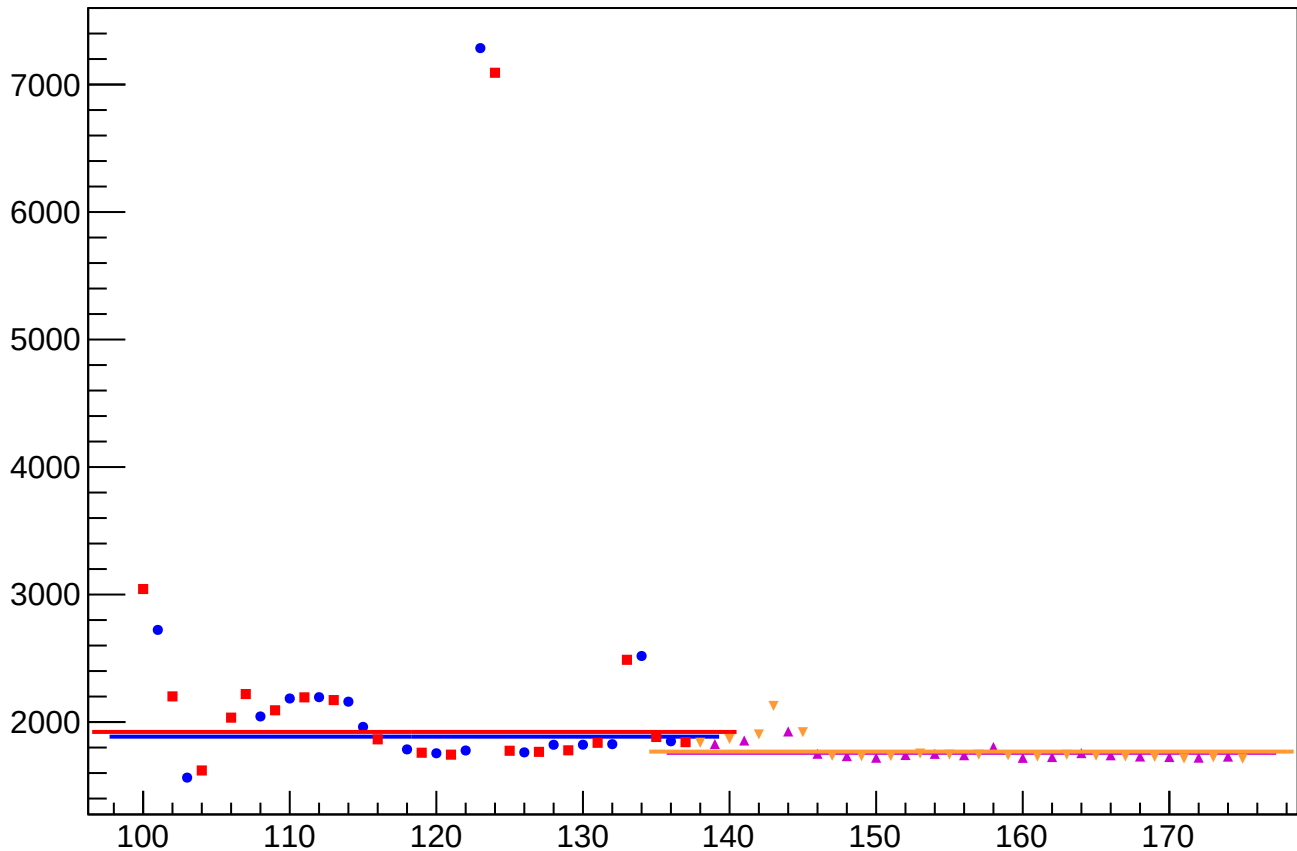
Right: -897.217 ± 522.617 χ^2/NDF : 32.5/35

In: -1002.467 ± 397.056 χ^2/NDF : 26.8/34

Out: -90.799 ± 388.258 χ^2/NDF : 48.6/38

All: -536.420 ± 277.598 χ^2/NDF : 78.1/73

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1768.160+/-0.323 χ^2/NDF : 68099.1/19

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

Left In: 1758.685+/-0.333 χ^2/NDF : 25969.5/17

Left: 1763.562+/-0.232 χ^2/NDF : 94486.4/37

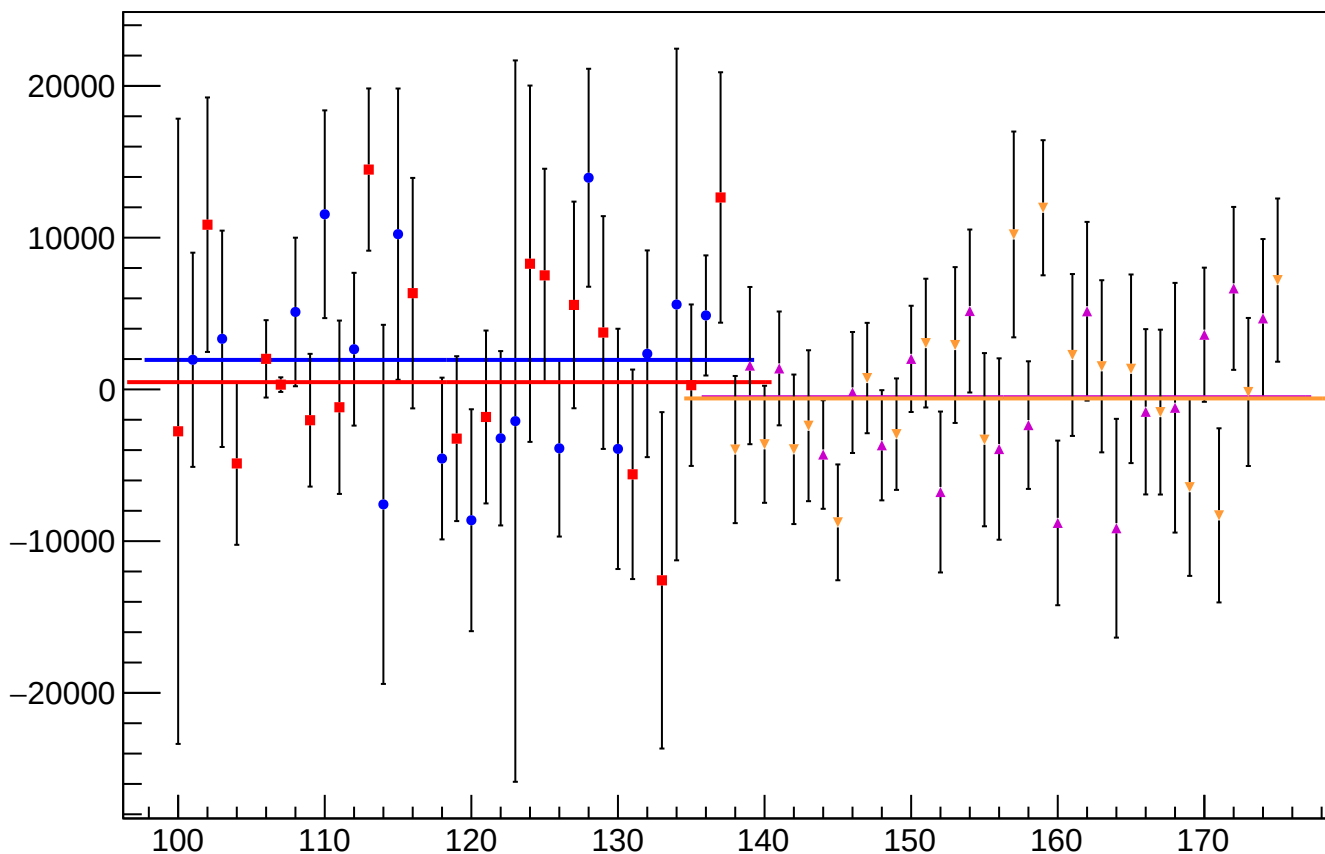
Right: 1904.057+/-0.369 χ^2/NDF : 634475.3/35

In: 1795.089+/-0.281 χ^2/NDF : 348088.0/34

Out: 1811.039+/-0.274 χ^2/NDF : 483098.7/38

All: 1803.246+/-0.196 χ^2/NDF : 832837.4/73

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -595.477+/-1073.144 χ^2/NDF : 24.2/19

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

Left In: -513.036+/-1107.997 χ^2/NDF : 14.2/17

Left: -555.574+/-770.854 χ^2/NDF : 38.4/37

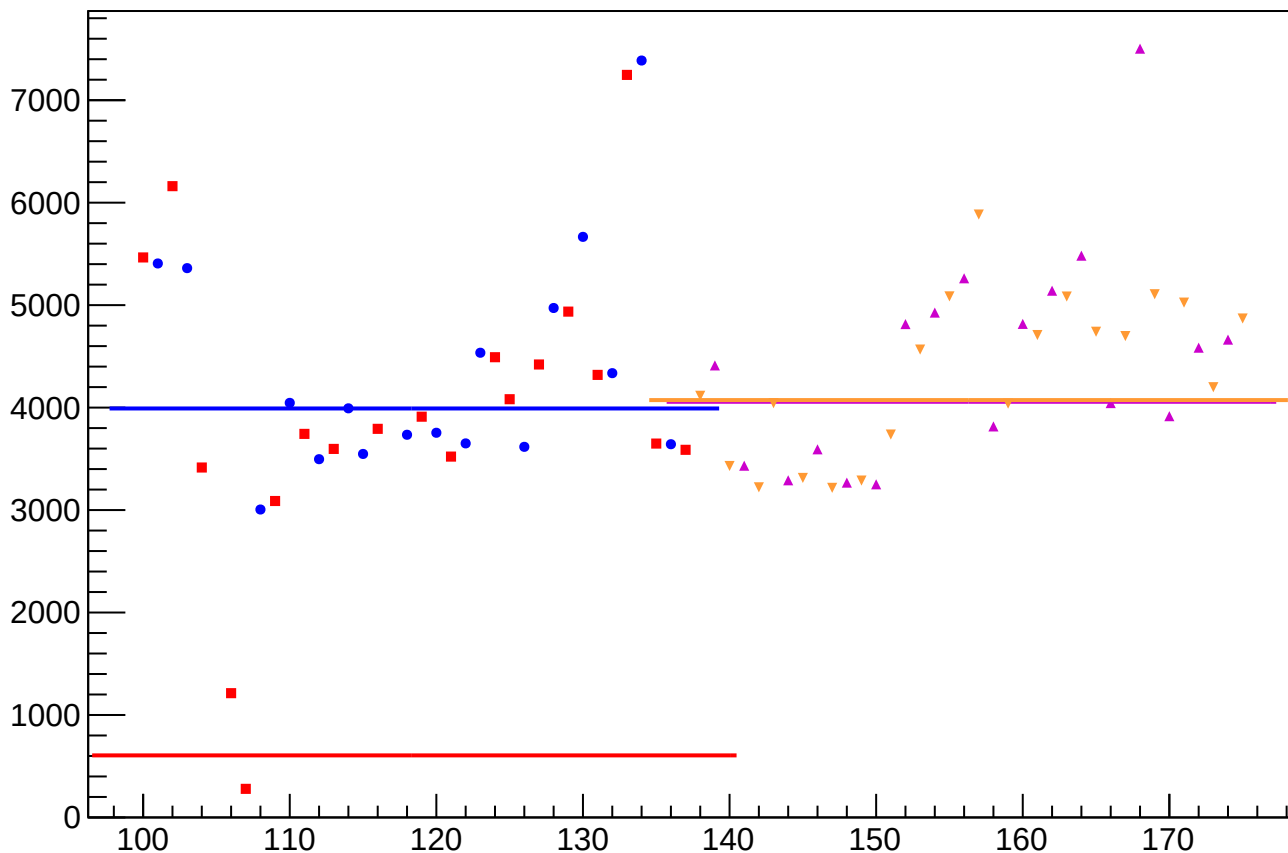
Right: 590.230+/-436.086 χ^2/NDF : 32.0/35

In: 295.941+/-907.368 χ^2/NDF : 29.0/34

Out: 315.934+/-417.876 χ^2/NDF : 43.1/38

All: 312.436+/-379.559 χ^2/NDF : 72.2/73

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416 $\pm$ 1.118 χ^2 /NDF: 510782.7/16

Left Out: 4073.235 $\pm$ 0.759 χ^2 /NDF: 937706.0/19

Right Out: 605.731 $\pm$ 0.321 χ^2 /NDF: 10246585.0/18

Left In: 4056.703 $\pm$ 0.783 χ^2 /NDF: 1149658.2/17

Left: 4065.233 $\pm$ 0.545 χ^2 /NDF: 2087594.0/37

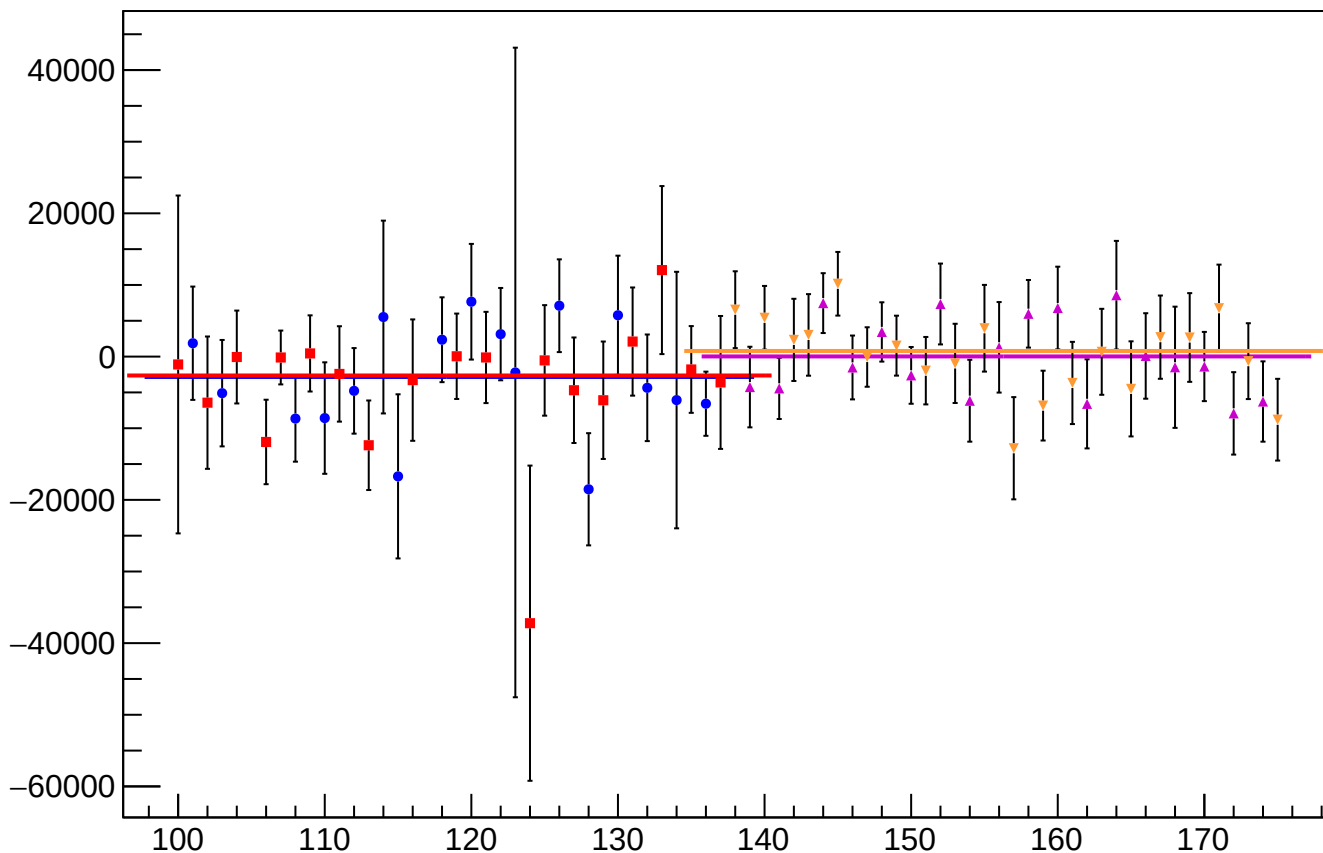
Right: 863.300 $\pm$ 0.308 χ^2 /NDF: 19230863.1/35

In: 4035.200 $\pm$ 0.642 χ^2 /NDF: 1662728.0/34

Out: 1131.500 $\pm$ 0.295 χ^2 /NDF: 28899014.1/38

All: 1639.593 $\pm$ 0.268 χ^2 /NDF: 47459560.7/77

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 ± 1786.019 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 786.410 ± 1187.493 $\chi^2/\text{NDF}: 19.1/19$

Right Out: -2637.071 ± 1575.105 $\chi^2/\text{NDF}: 11.2/18$

Left In: 23.317 ± 1223.346 $\chi^2/\text{NDF}: 17.6/17$

Left: 416.209 ± 852.078 $\chi^2/\text{NDF}: 36.9/37$

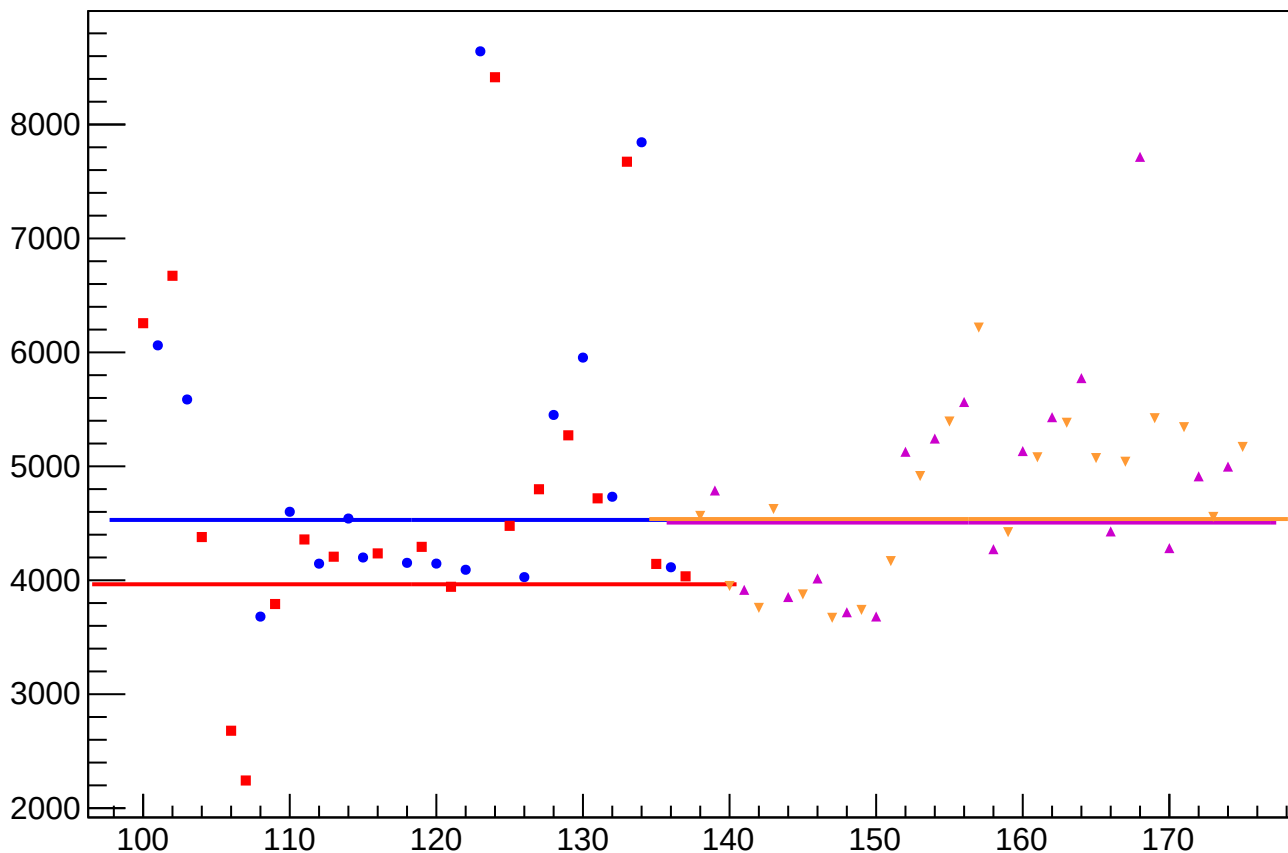
Right: -2725.676 ± 1181.334 $\chi^2/\text{NDF}: 26.6/35$

In: -890.932 ± 1009.286 $\chi^2/\text{NDF}: 34.8/34$

Out: -454.266 ± 948.210 $\chi^2/\text{NDF}: 33.3/38$

All: -658.988 ± 691.069 $\chi^2/\text{NDF}: 68.2/73$

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4537.291 $\pm$ 0.840 χ^2 /NDF: 636286.4/19

Right Out: 3964.829 $\pm$ 1.107 χ^2 /NDF: 1140409.6/18

Left In: 4506.296 $\pm$ 0.865 χ^2 /NDF: 835359.4/17

Left: 4522.254 $\pm$ 0.603 χ^2 /NDF: 1472306.8/37

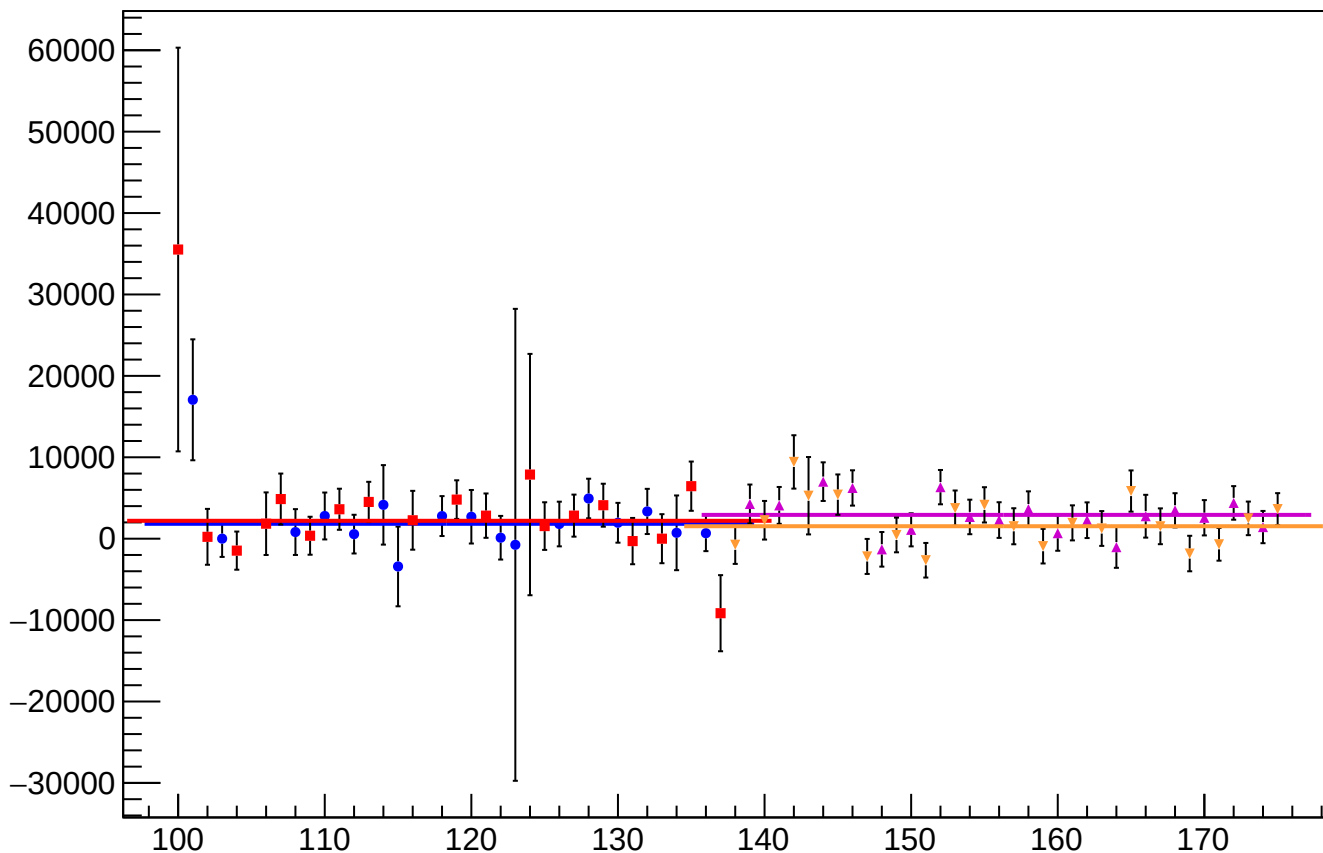
Right: 4210.073 $\pm$ 0.832 χ^2 /NDF: 1642804.6/35

In: 4513.694 $\pm$ 0.714 χ^2 /NDF: 1224914.5/34

Out: 4328.131 $\pm$ 0.669 χ^2 /NDF: 1946517.6/38

All: 4414.913 $\pm$ 0.488 χ^2 /NDF: 3207420.9/73

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1530.881+/-505.270 χ^2/NDF : 28.8/19

Right Out: 2198.063+/-684.205 χ^2/NDF : 18.3/18

Left In: 2924.136+/-516.913 χ^2/NDF : 18.3/17

Left: 2211.640+/-361.326 χ^2/NDF : 50.7/37

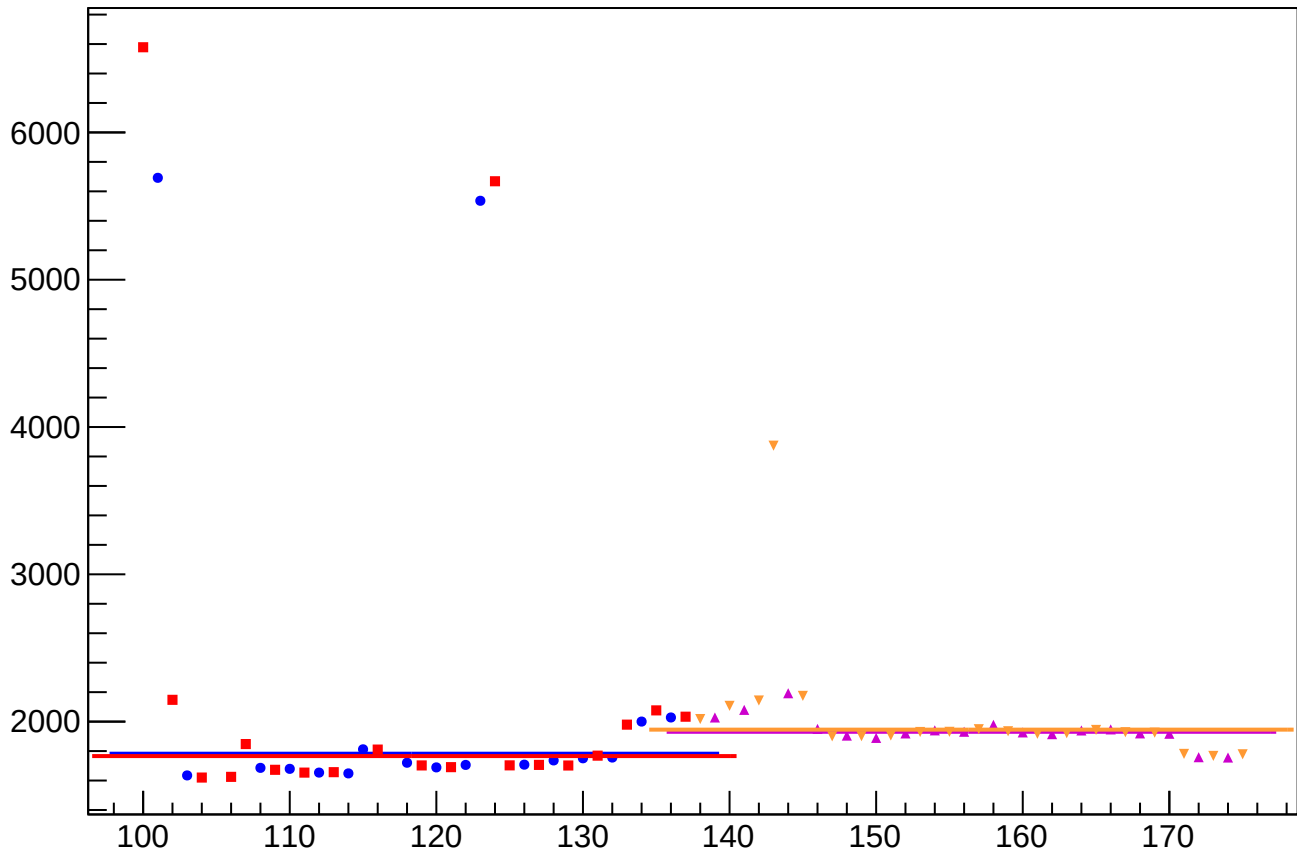
Right: 2021.233+/-493.118 χ^2/NDF : 28.2/35

In: 2546.063+/-418.164 χ^2/NDF : 29.5/34

Out: 1766.327+/-406.453 χ^2/NDF : 47.7/38

All: 2145.123+/-291.458 χ^2/NDF : 79.0/73

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1945.504 $\pm$ 0.357 χ^2 /NDF: 411098.1/19

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

Left In: 1930.938 $\pm$ 0.366 χ^2 /NDF: 68523.2/17

Left: 1938.387 $\pm$ 0.255 χ^2 /NDF: 480433.4/37

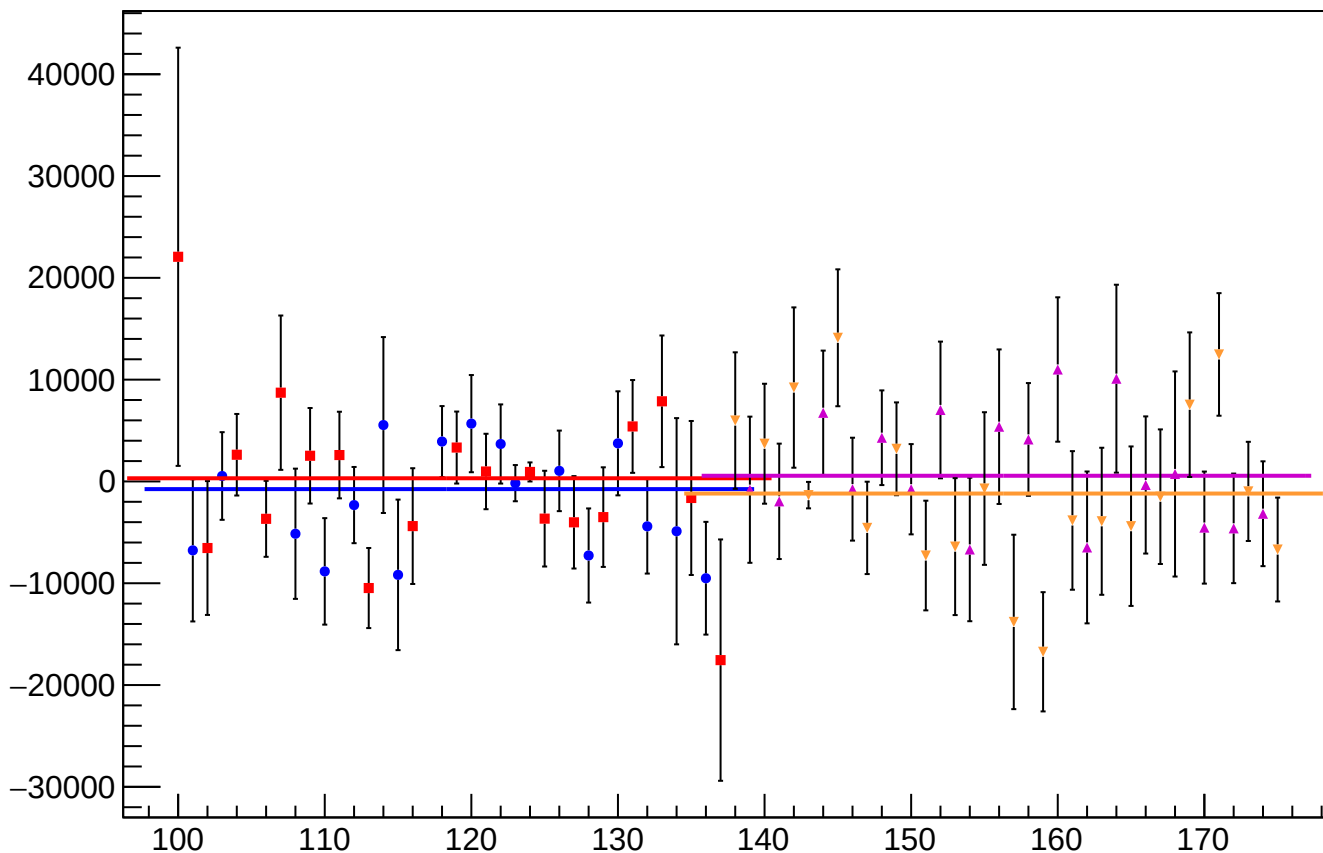
Right: 1773.682 $\pm$ 0.347 χ^2 /NDF: 952527.4/35

In: 1879.516 $\pm$ 0.296 χ^2 /NDF: 770985.8/34

Out: 1881.582 $\pm$ 0.287 χ^2 /NDF: 807803.3/38

All: 1880.581 $\pm$ 0.206 χ^2 /NDF: 1578814.2/73

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -1188.884+/-951.852 χ^2/NDF : 29.6/19

Right Out: 311.405+/-725.132 χ^2/NDF : 22.0/18

Left In: 558.136+/-1424.741 χ^2/NDF : 11.3/17

Left: -649.754+/-791.469 χ^2/NDF : 42.0/37

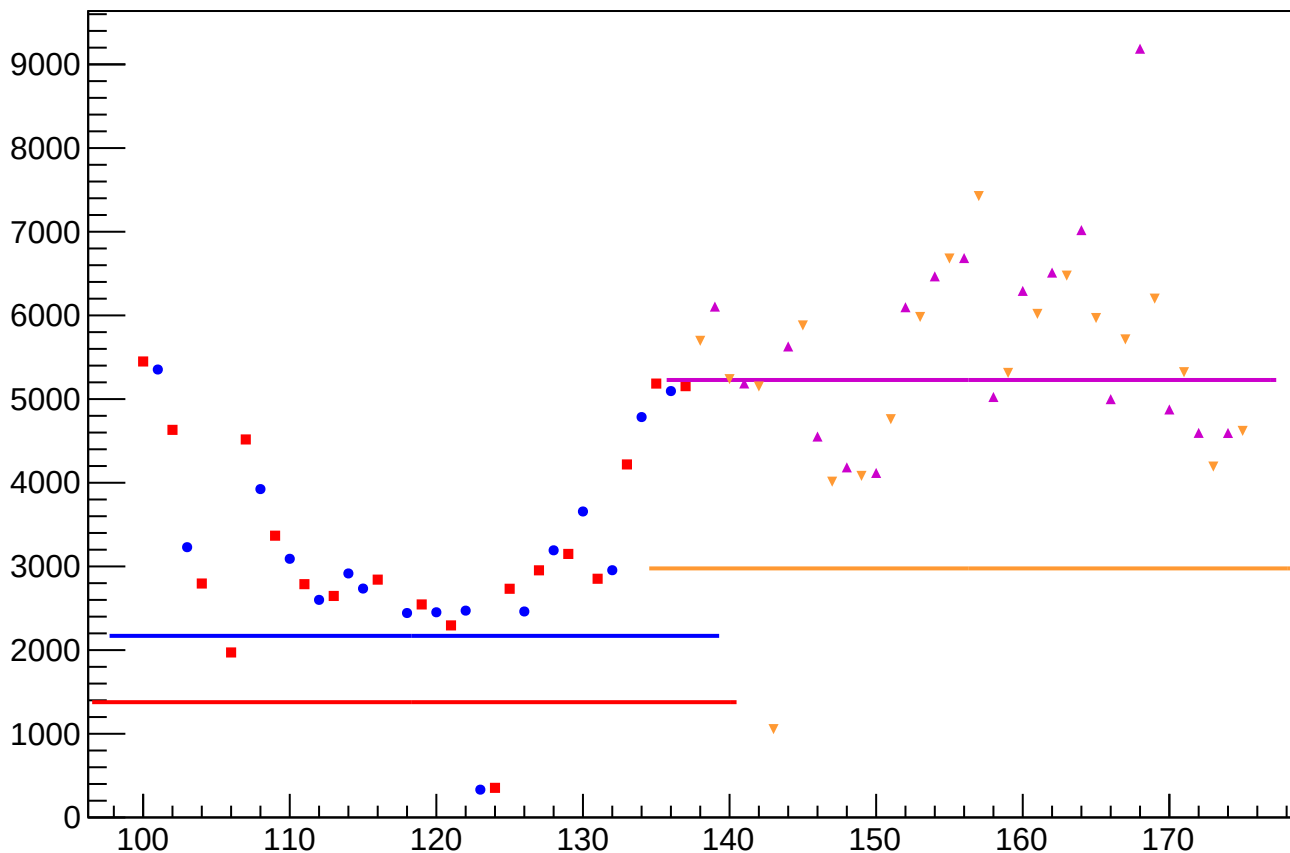
Right: -51.479+/-588.747 χ^2/NDF : 39.7/35

In: -315.616+/-823.162 χ^2/NDF : 28.8/34

Out: -239.548+/-576.819 χ^2/NDF : 53.2/38

All: -264.599+/-472.385 χ^2/NDF : 82.0/73

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 2976.269 $\pm$ 0.673 χ^2 /NDF: 10260757.0/19

Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

Left In: 5228.345 $\pm$ 1.007 χ^2 /NDF: 1029258.7/17

Left: 3671.260 $\pm$ 0.560 χ^2 /NDF: 14745061.7/37

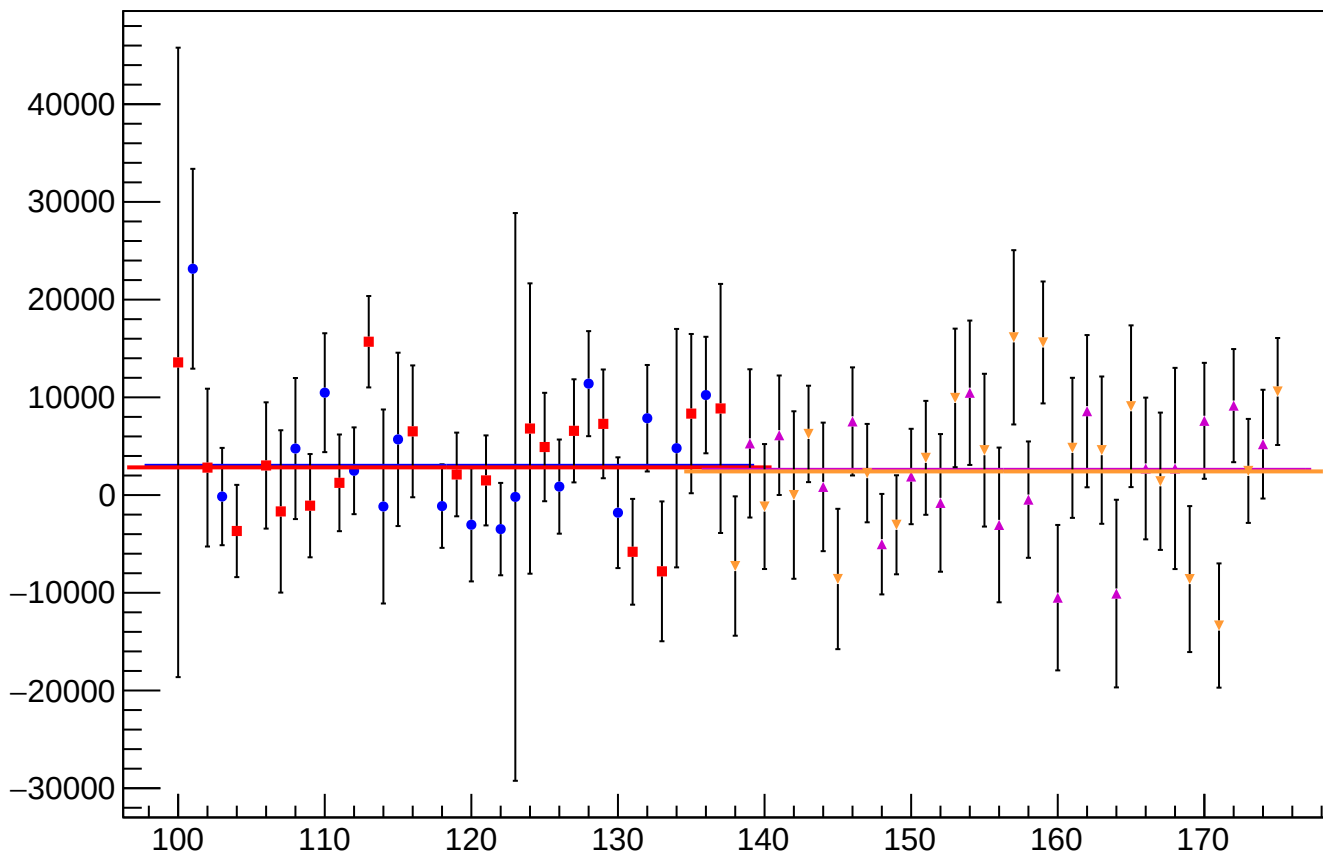
Right: 1647.801 $\pm$ 0.416 χ^2 /NDF: 11635181.2/35

In: 3191.065 $\pm$ 0.582 χ^2 /NDF: 11141468.6/34

Out: 1964.755 $\pm$ 0.408 χ^2 /NDF: 20677408.6/38

All: 2368.607 $\pm$ 0.334 χ^2 /NDF: 34795844.4/71

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 2420.604 $\pm$ 1437.668 χ^2 /NDF: 25.9/19

Right Out: 2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

Left In: 2582.162 $\pm$ 1530.843 χ^2 /NDF: 13.3/17

Left: 2496.317 $\pm$ 1047.977 χ^2 /NDF: 39.2/37

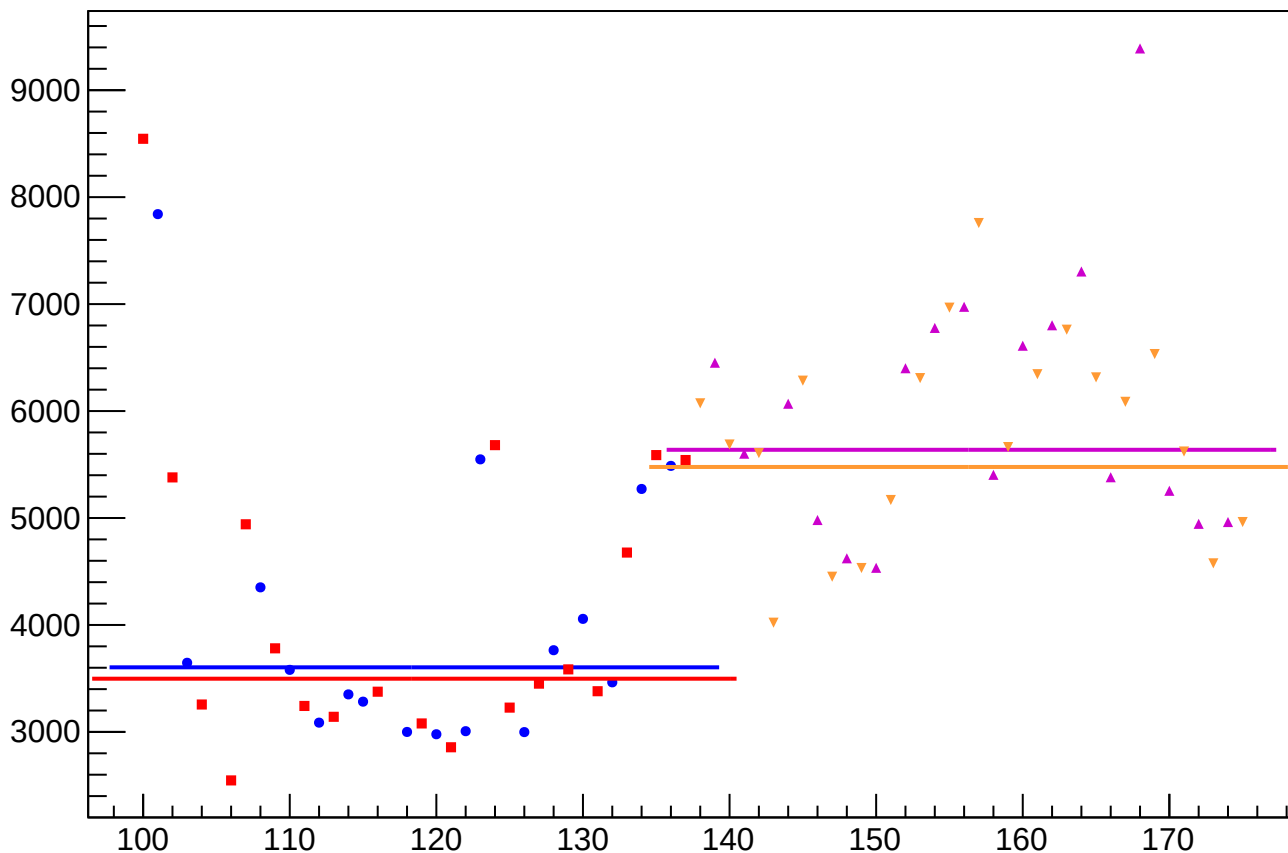
Right: 2909.269 $\pm$ 998.385 χ^2 /NDF: 33.4/35

In: 2799.007 $\pm$ 1051.656 χ^2 /NDF: 29.1/34

Out: 2635.584 $\pm$ 995.236 χ^2 /NDF: 43.7/38

All: 2712.795 $\pm$ 722.861 χ^2 /NDF: 72.7/73

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 ± 1.023 $\chi^2/\text{NDF}: 784674.5/16$

Left Out: 5477.215 ± 1.017 $\chi^2/\text{NDF}: 845673.3/19$

Right Out: 3497.586 ± 0.962 $\chi^2/\text{NDF}: 661898.6/18$

Left In: 5637.810 ± 1.082 $\chi^2/\text{NDF}: 844788.1/17$

Left: 5552.477 ± 0.741 $\chi^2/\text{NDF}: 1702157.0/37$

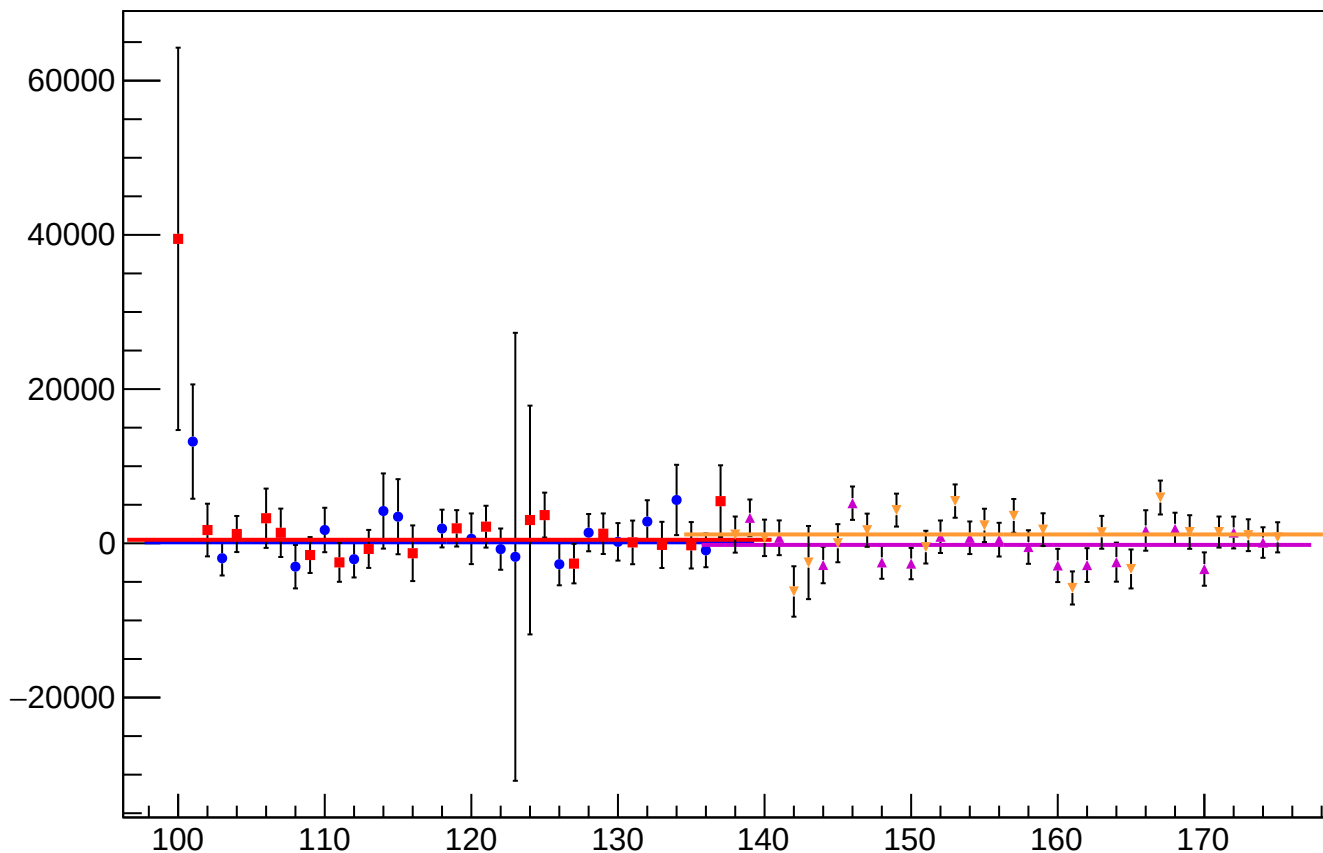
Right: 3547.455 ± 0.701 $\chi^2/\text{NDF}: 1452308.2/35$

In: 4563.792 ± 0.744 $\chi^2/\text{NDF}: 3493721.1/34$

Out: 4432.444 ± 0.699 $\chi^2/\text{NDF}: 3508897.0/38$

All: 4494.020 ± 0.509 $\chi^2/\text{NDF}: 7019190.6/73$

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1152.340 $\pm$ 504.280 χ^2 /NDF:32.8/19

Right Out: 459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

Left In: -205.689 $\pm$ 516.120 χ^2 /NDF:20.9/17

Left: 489.081 $\pm$ 360.693 χ^2 /NDF: 57.3/37

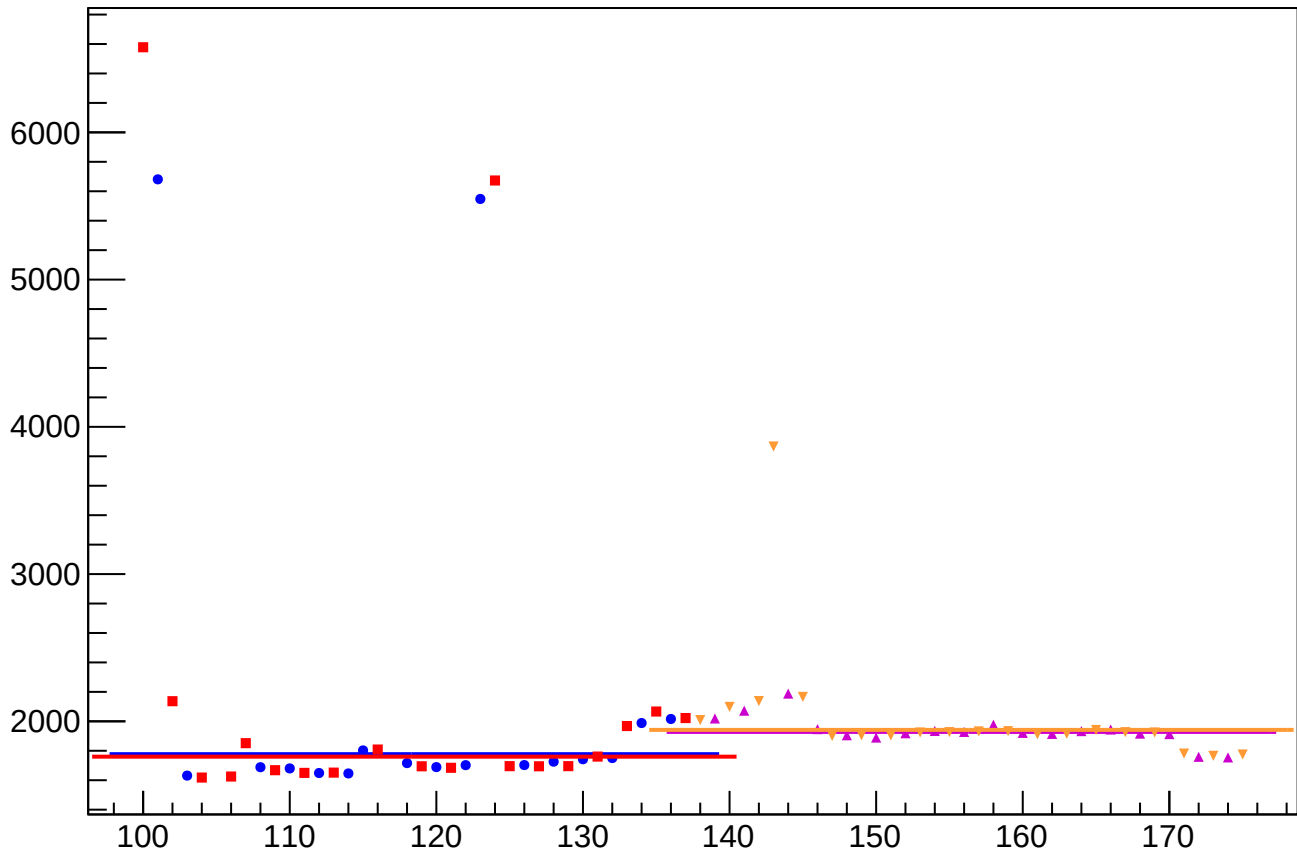
Right: 301.426 $\pm$ 491.524 χ^2 /NDF: 23.0/35

In: -89.144 $\pm$ 417.312 χ^2 /NDF:33.2/34

Out: 907.200 $\pm$ 405.442 χ^2 /NDF:44.2/38

All: 423.399 $\pm$ 290.796 χ^2 /NDF: 80.3/73

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1941.850+/-0.357 χ^2/NDF : 408234.3/19

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

Left In: 1928.057+/-0.365 χ^2/NDF : 66485.9/17

Left: 1935.114+/-0.255 χ^2/NDF : 475451.0/37

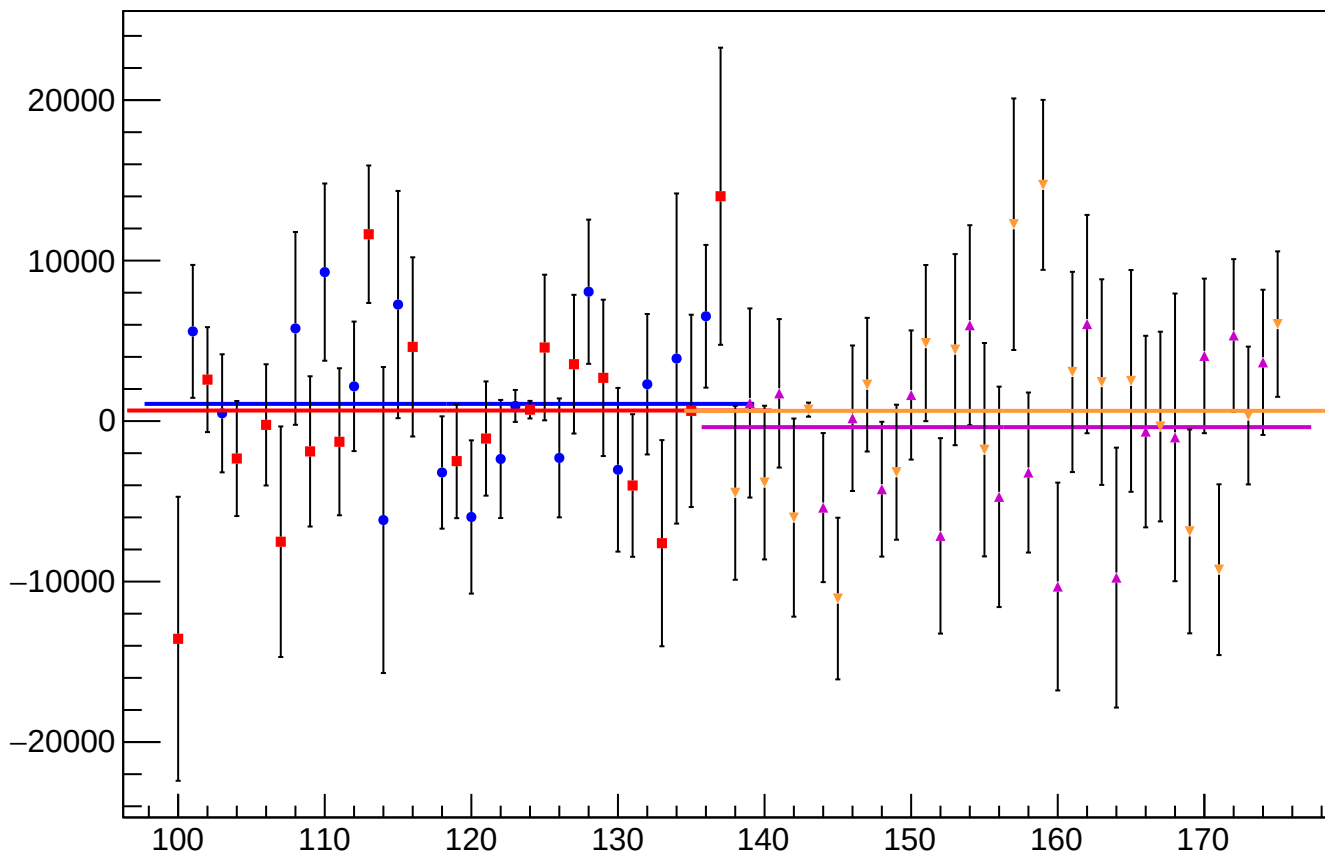
Right: 1768.045+/-0.346 χ^2/NDF : 950324.7/35

In: 1875.713+/-0.295 χ^2/NDF : 769475.3/34

Out: 1876.980+/-0.286 χ^2/NDF : 807173.3/38

All: 1876.366+/-0.205 χ^2/NDF : 1576658.1/73

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 639.614+/-413.223 χ^2/NDF : 26.5/19

Right Out: 658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: -376.309+/-1249.382 χ^2/NDF : 13.2/17

Left: 539.440+/-392.322 χ^2/NDF : 40.3/37

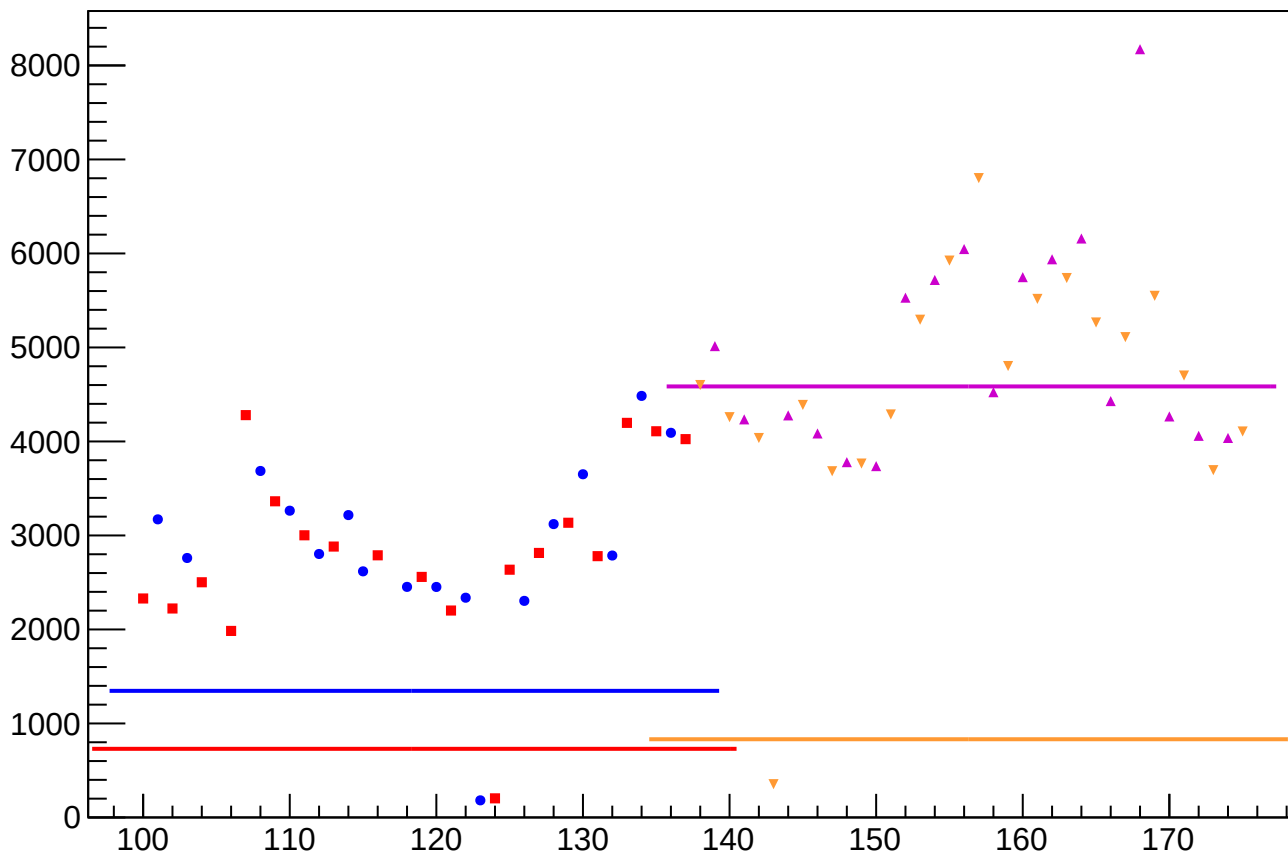
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 686.773+/-644.471 χ^2/NDF : 29.8/34

Out: 647.608+/-315.362 χ^2/NDF : 46.3/38

All: 655.174+/-283.267 χ^2/NDF : 76.1/73

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 832.044 $\pm$ 0.292 χ^2 /NDF: 21668456.2/19

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

Left In: 4585.335 $\pm$ 0.883 χ^2 /NDF: 1026222.8/17

Left: 1202.133 $\pm$ 0.277 χ^2 /NDF: 38964368.1/37

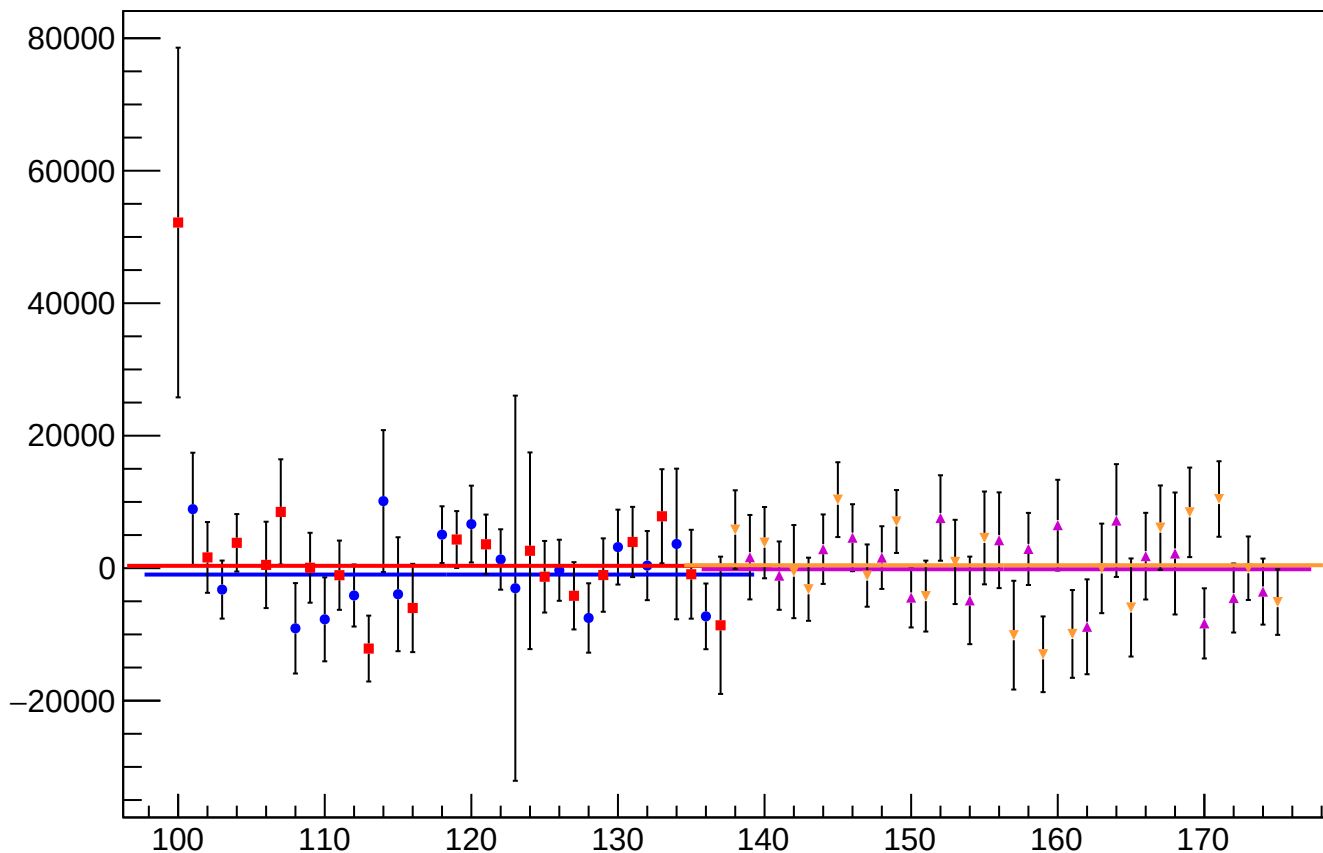
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2208.542 $\pm$ 0.456 χ^2 /NDF: 17727544.7/34

Out: 789.484 $\pm$ 0.223 χ^2 /NDF: 31222392.7/38

All: 1063.632 $\pm$ 0.200 χ^2 /NDF: 56773331.5/77

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 448.239+/-1292.983 χ^2/NDF : 25.0/19

Right Out: 354.646+/-1329.760 χ^2/NDF : 17.6/18

Left In: -160.595+/-1368.816 χ^2/NDF : 11.9/17

Left: 161.153+/-939.943 χ^2/NDF : 36.9/37

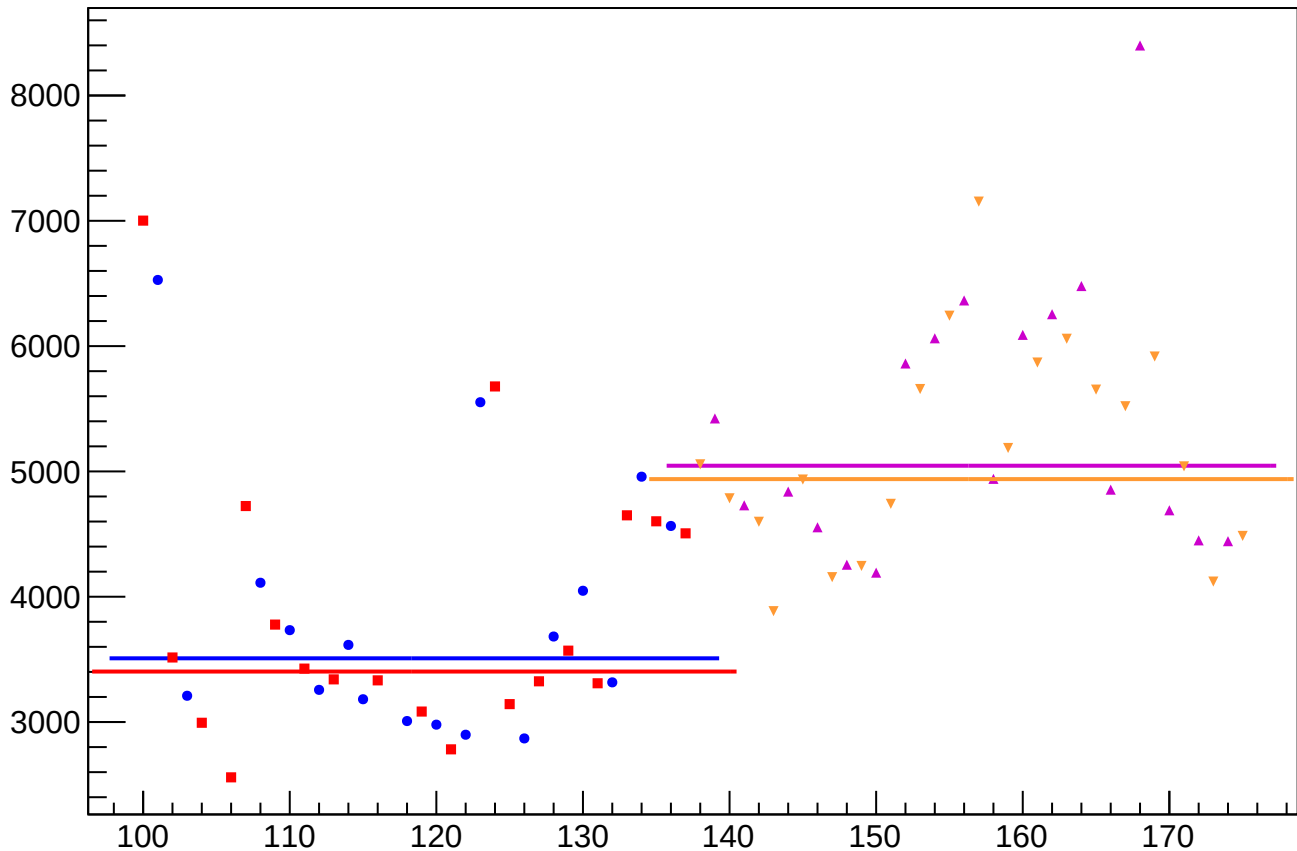
Right: -272.899+/-962.726 χ^2/NDF : 31.8/35

In: -554.581+/-977.240 χ^2/NDF : 25.8/34

Out: 402.755+/-927.006 χ^2/NDF : 42.6/38

All: -50.676+/-672.550 χ^2/NDF : 68.8/73

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4938.641+/-0.914 χ^2/NDF : 696993.0/19

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

Left In: 5045.463+/-0.968 χ^2/NDF : 802048.2/17

Left: 4989.011+/-0.665 χ^2/NDF : 1505478.2/37

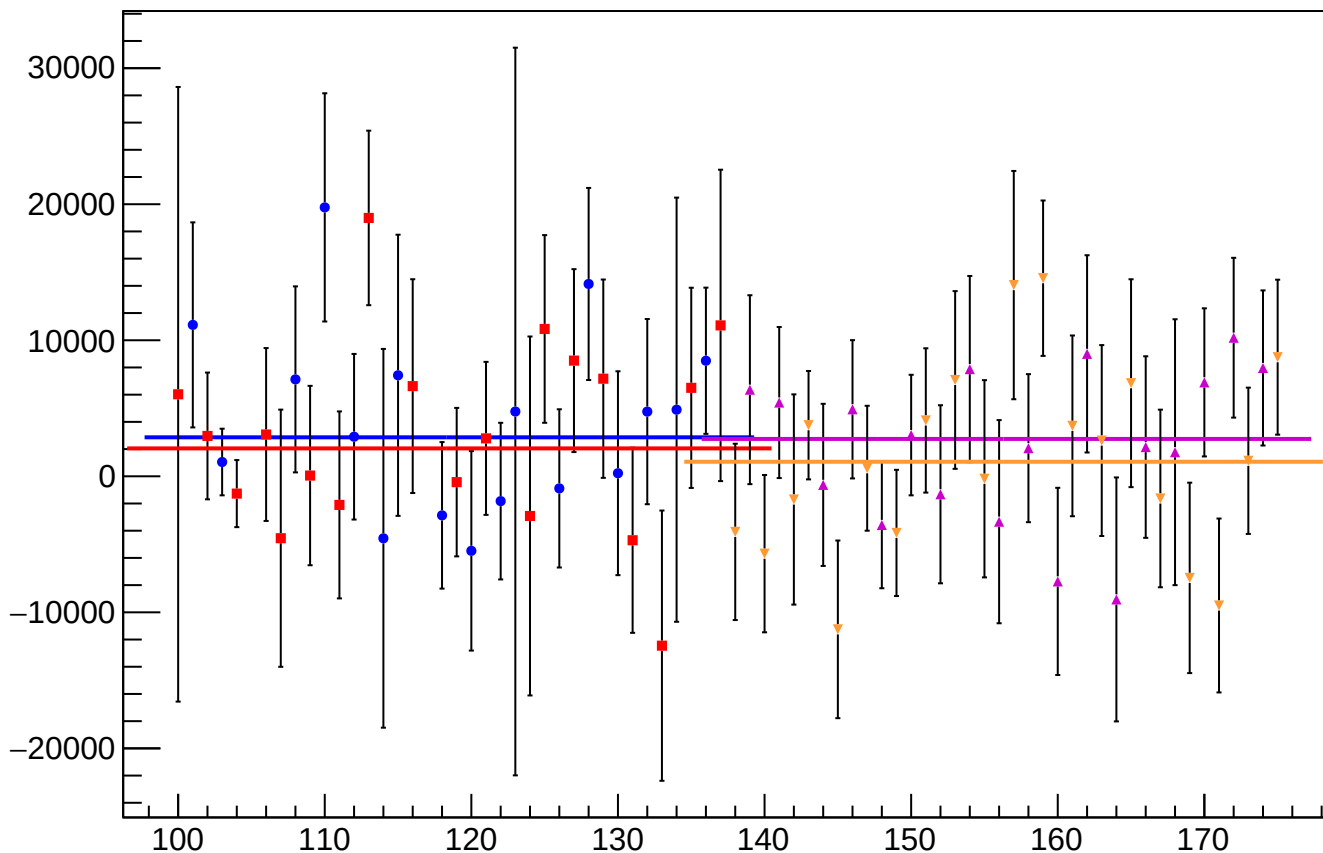
Right: 3452.447+/-0.676 χ^2/NDF : 996829.8/35

In: 4291.873+/-0.691 χ^2/NDF : 2600600.8/34

Out: 4182.294+/-0.651 χ^2/NDF : 2515144.2/38

All: 4233.847+/-0.474 χ^2/NDF : 5129061.3/73

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: 1068.663+/-1327.374 χ^2/NDF : 23.6/19

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 2746.141+/-1424.796 χ^2/NDF : 12.3/17

Left: 1848.097+/-971.212 χ^2/NDF : 36.7/37

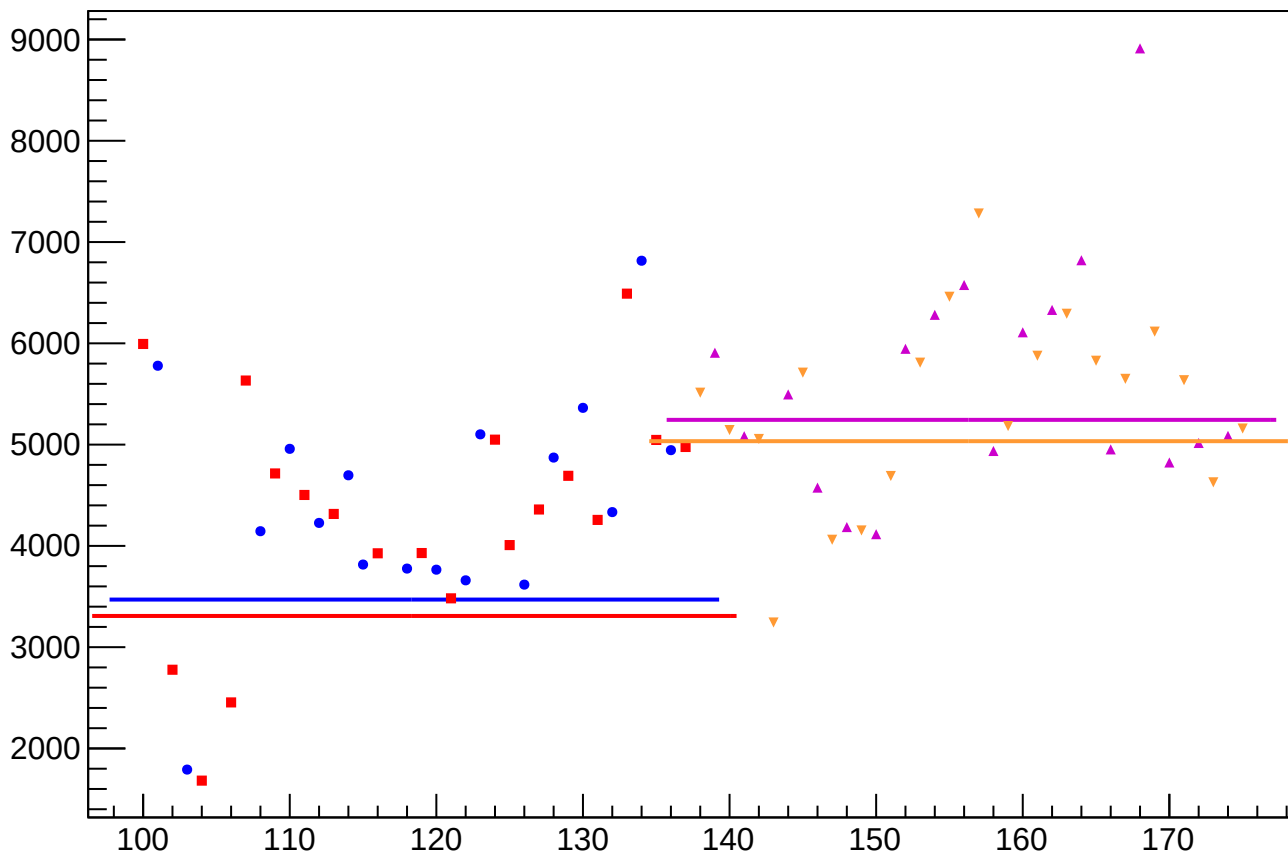
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2804.307+/-1017.191 χ^2/NDF : 26.4/34

Out: 1540.286+/-957.184 χ^2/NDF : 41.5/38

All: 2133.915+/-697.080 χ^2/NDF : 68.7/73

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: 5033.899 $\pm$ 0.939 χ^2 /NDF: 1071638.0/19

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5244.432 $\pm$ 1.007 χ^2 /NDF: 870588.9/17

Left: 5131.723 $\pm$ 0.687 χ^2 /NDF: 1965604.8/37

Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4374.395 $\pm$ 0.719 χ^2 /NDF: 4152387.4/34

Out: 4197.676 $\pm$ 0.674 χ^2 /NDF: 4620441.3/38

All: 4280.281 $\pm$ 0.492 χ^2 /NDF: 8804978.1/73

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

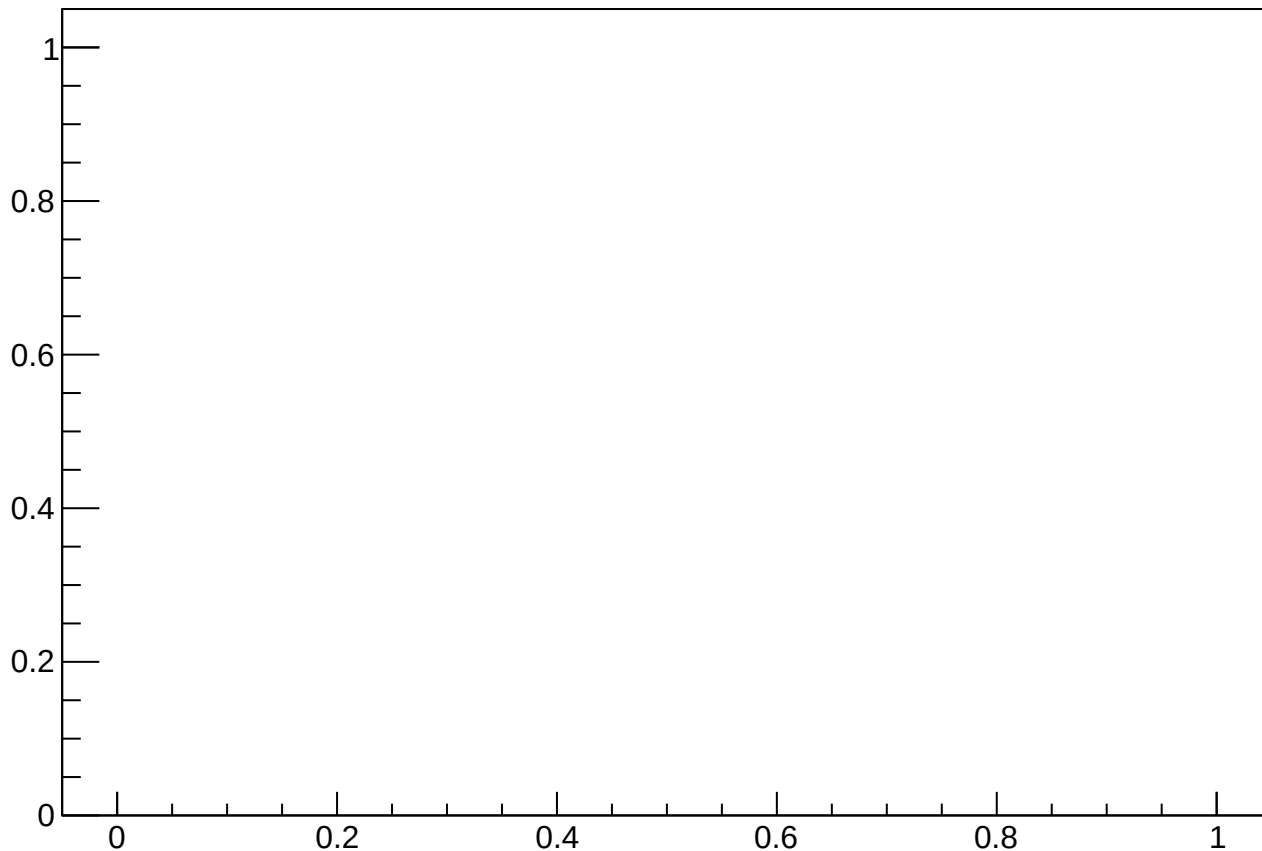
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

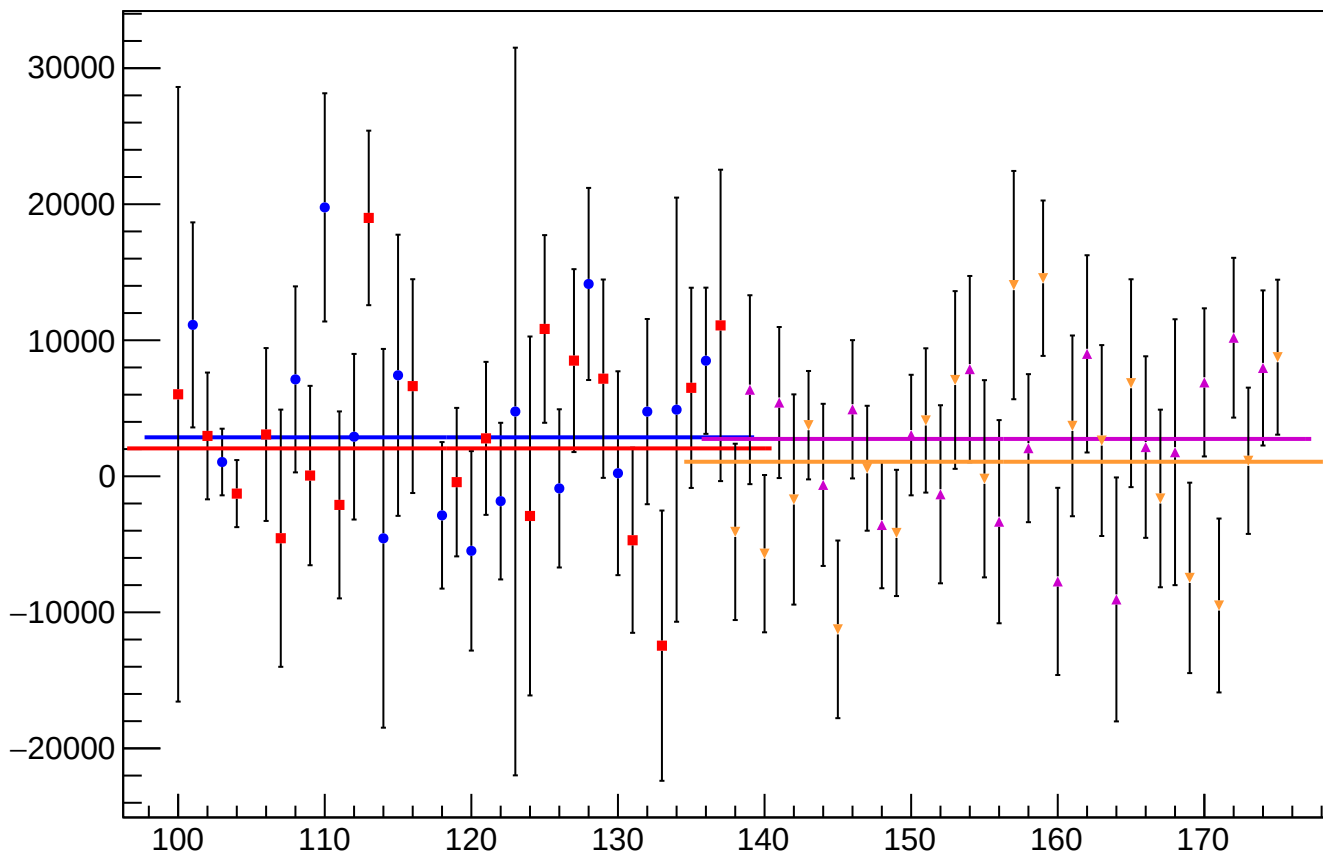
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 1068.663+/-1327.374 χ^2/NDF : 23.6/19

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 2746.141+/-1424.796 χ^2/NDF : 12.3/17

Left: 1848.097+/-971.212 χ^2/NDF : 36.7/37

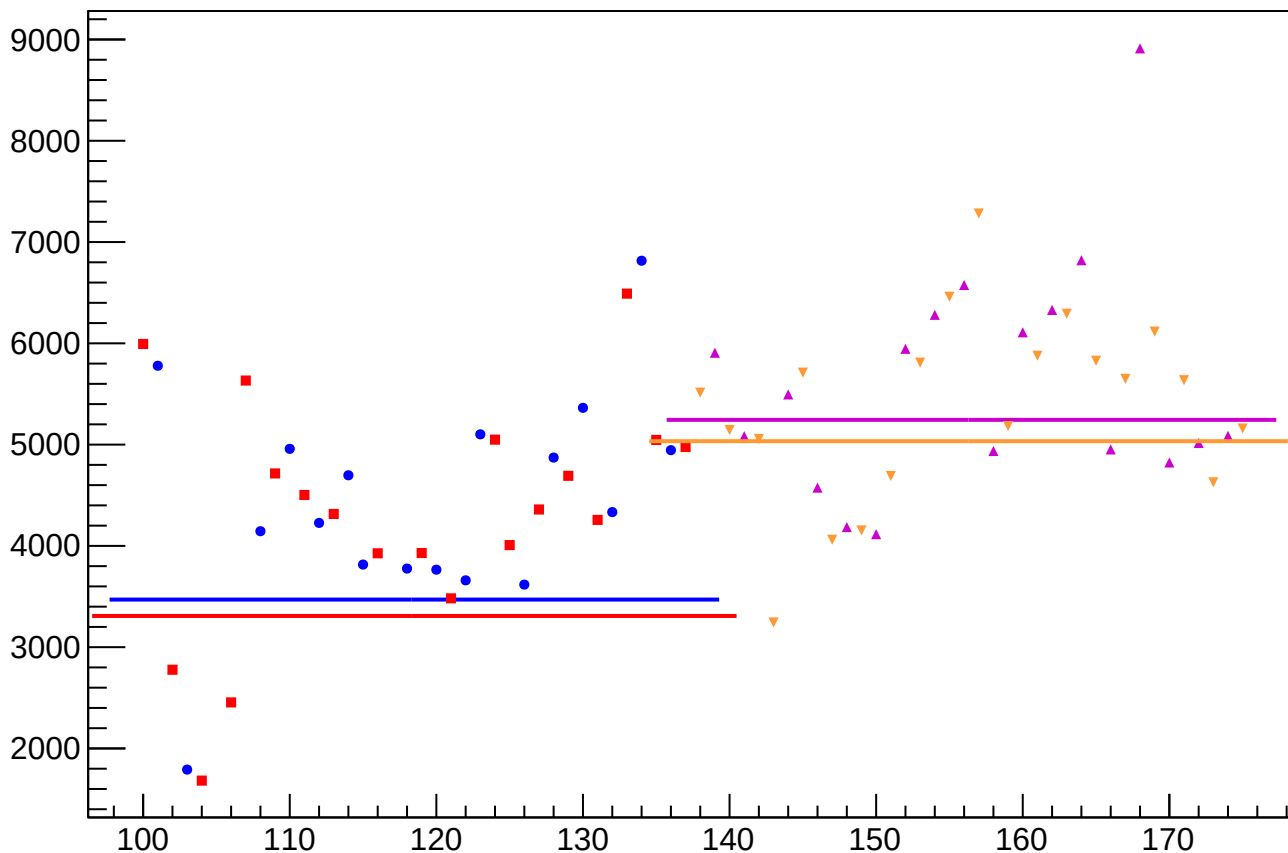
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2804.307+/-1017.191 χ^2/NDF : 26.4/34

Out: 1540.286+/-957.184 χ^2/NDF : 41.5/38

All: 2133.915+/-697.080 χ^2/NDF : 68.7/73

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: 5033.899 $\pm$ 0.939 χ^2 /NDF: 1071638.0/19

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5244.432 $\pm$ 1.007 χ^2 /NDF: 870588.9/17

Left: 5131.723 $\pm$ 0.687 χ^2 /NDF: 1965604.8/37

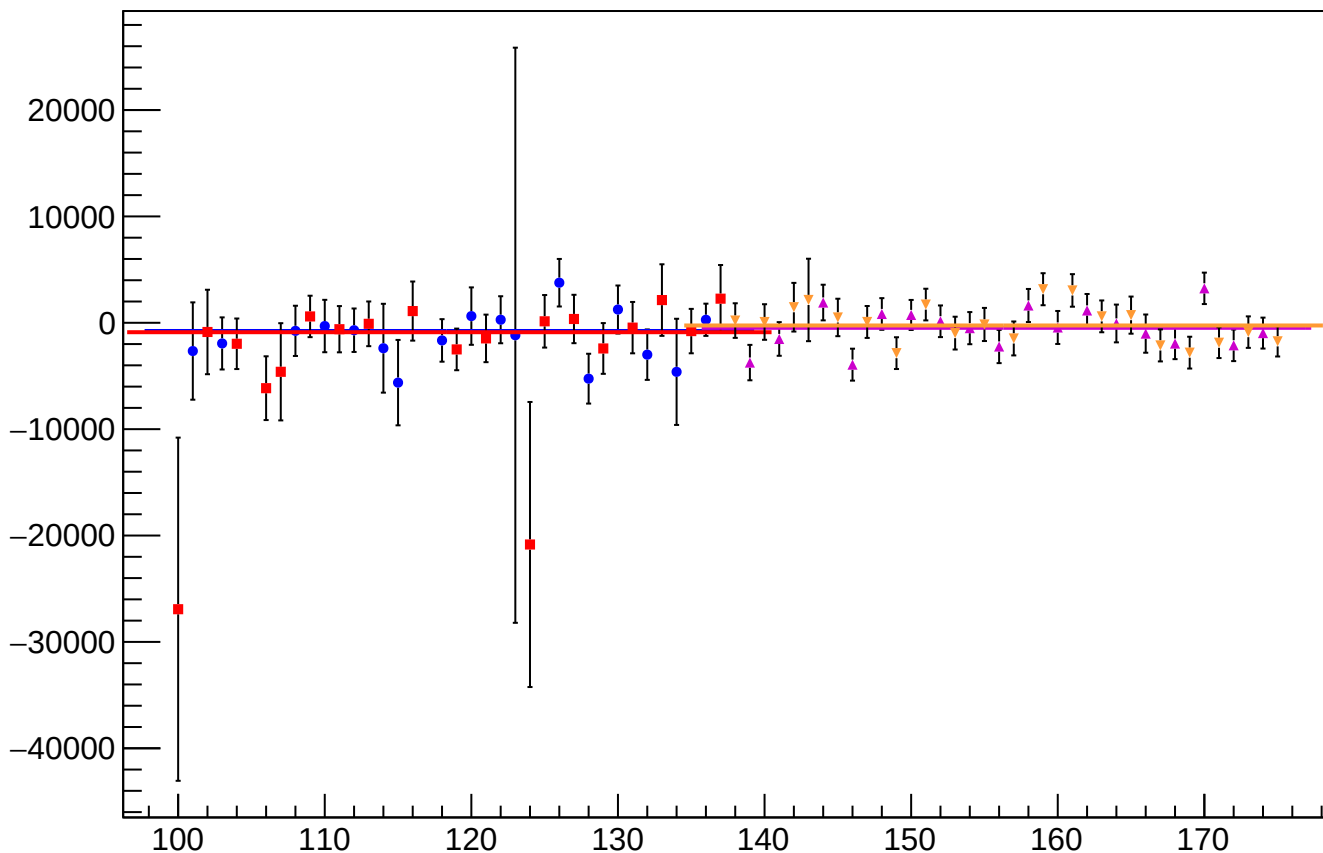
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4374.395 $\pm$ 0.719 χ^2 /NDF: 4152387.4/34

Out: 4197.676 $\pm$ 0.674 χ^2 /NDF: 4620441.3/38

All: 4280.281 $\pm$ 0.492 χ^2 /NDF: 8804978.1/73

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -252.879+/-356.970 χ^2/NDF :24.3/19

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -471.992+/-364.290 χ^2/NDF :26.3/17

Left: -360.212+/-254.965 χ^2/NDF : 50.8/37

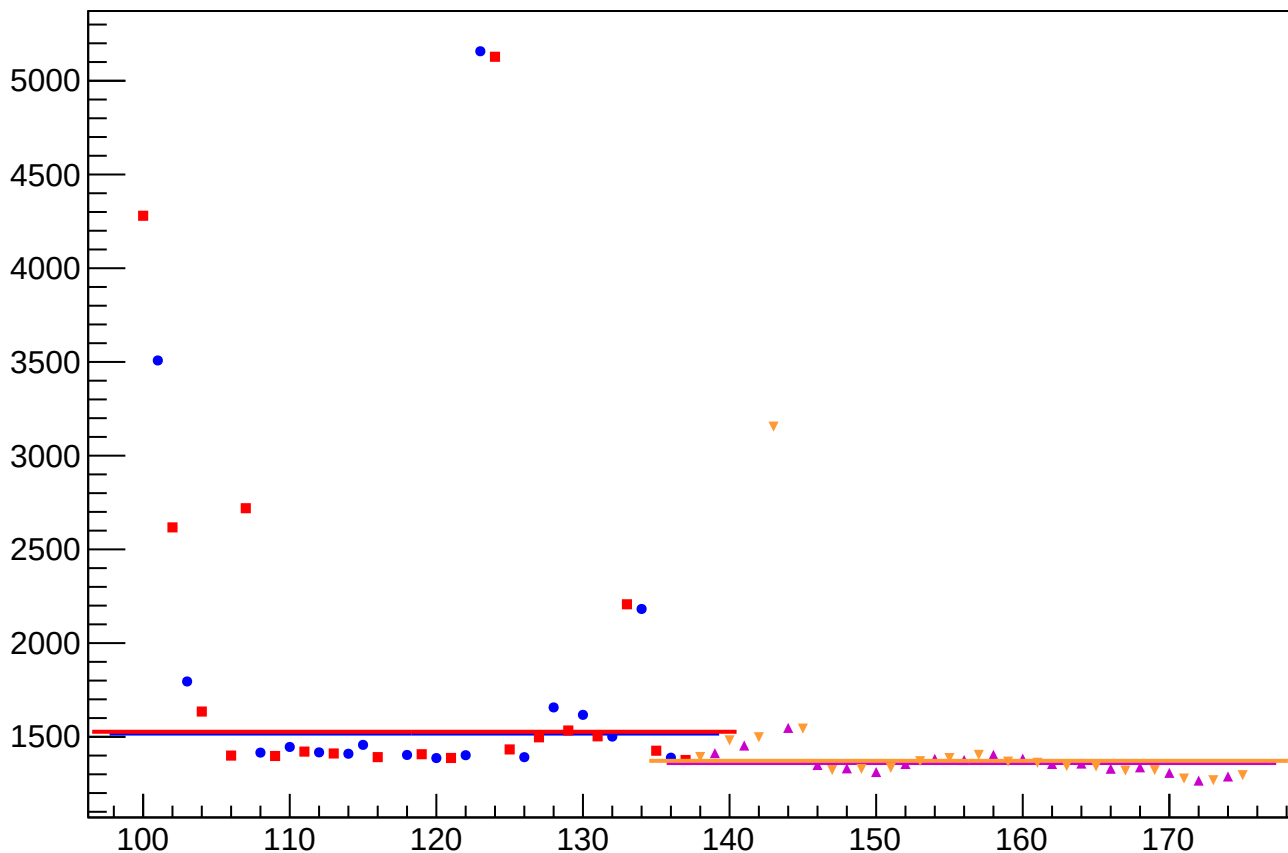
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -551.849+/-311.902 χ^2/NDF :39.8/34

Out: -420.201+/-306.113 χ^2/NDF :38.6/38

All: -484.792+/-218.473 χ^2/NDF : 78.5/73

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: 1371.901+/-0.252 χ^2/NDF : 493456.7/19

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1360.234+/-0.258 χ^2/NDF : 56317.4/17

Left: 1366.186+/-0.180 χ^2/NDF : 550820.7/37

Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1402.170+/-0.221 χ^2/NDF : 692268.8/34

Out: 1412.948+/-0.216 χ^2/NDF : 1225064.5/38

All: 1407.660+/-0.154 χ^2/NDF : 1918549.9/73

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

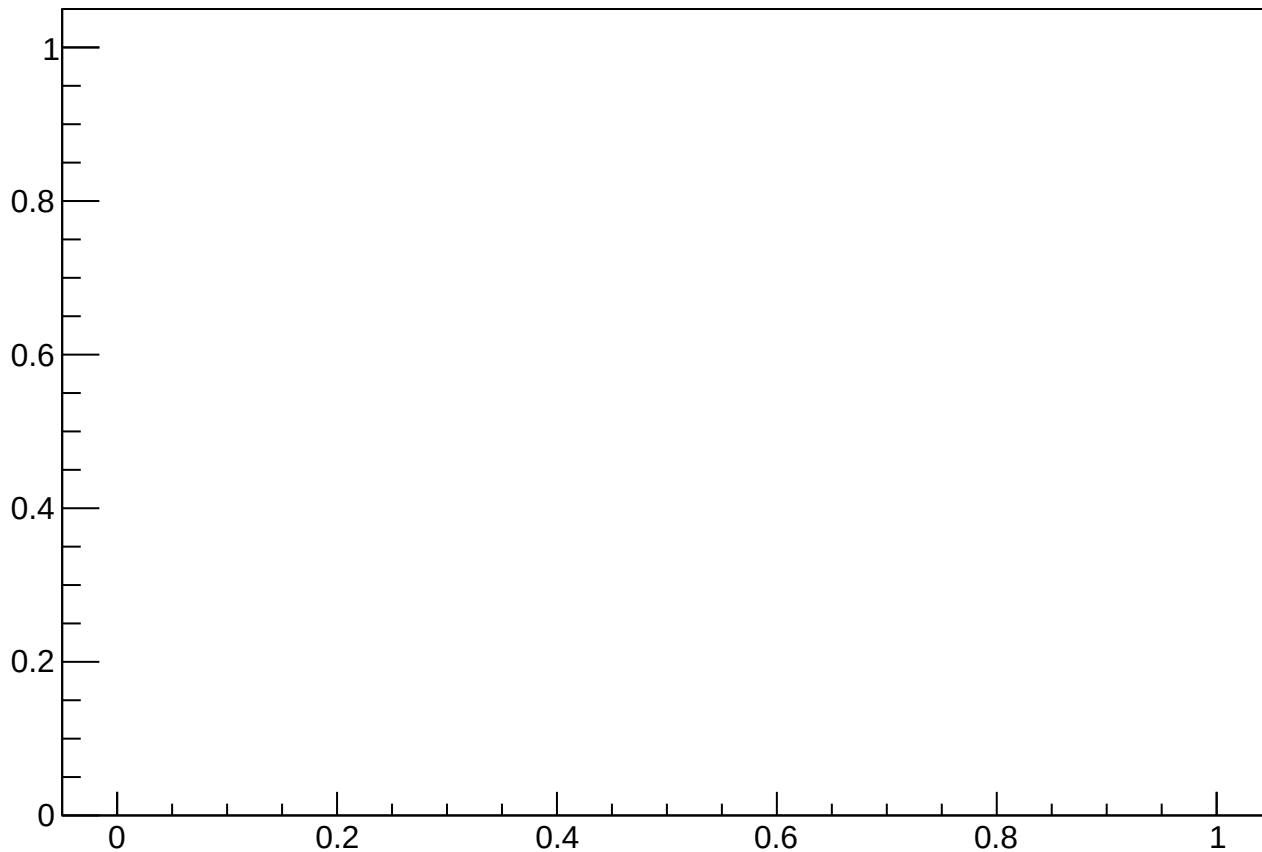
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

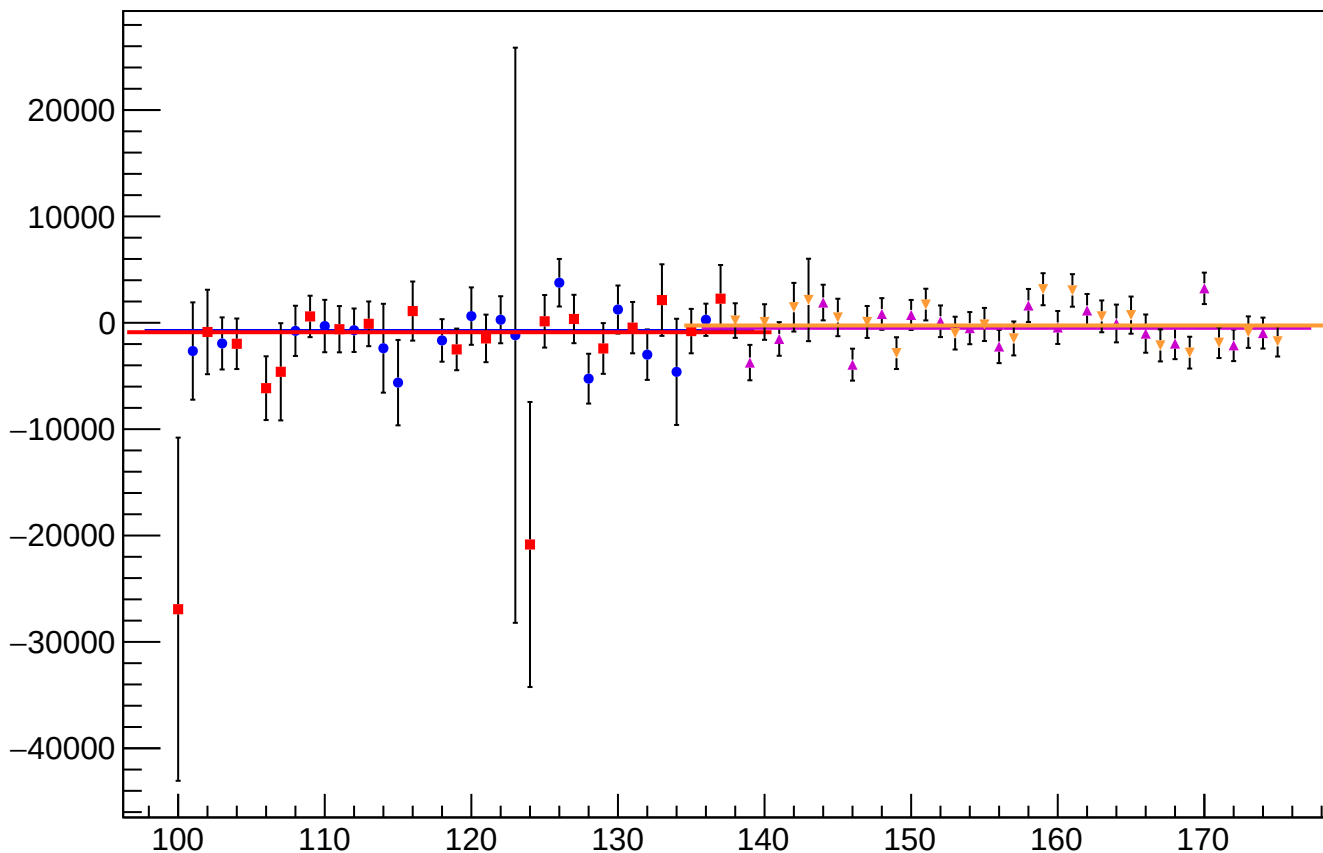
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -252.879+/-356.970 χ^2/NDF :24.3/19

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -471.992+/-364.290 χ^2/NDF :26.3/17

Left: -360.212+/-254.965 χ^2/NDF : 50.8/37

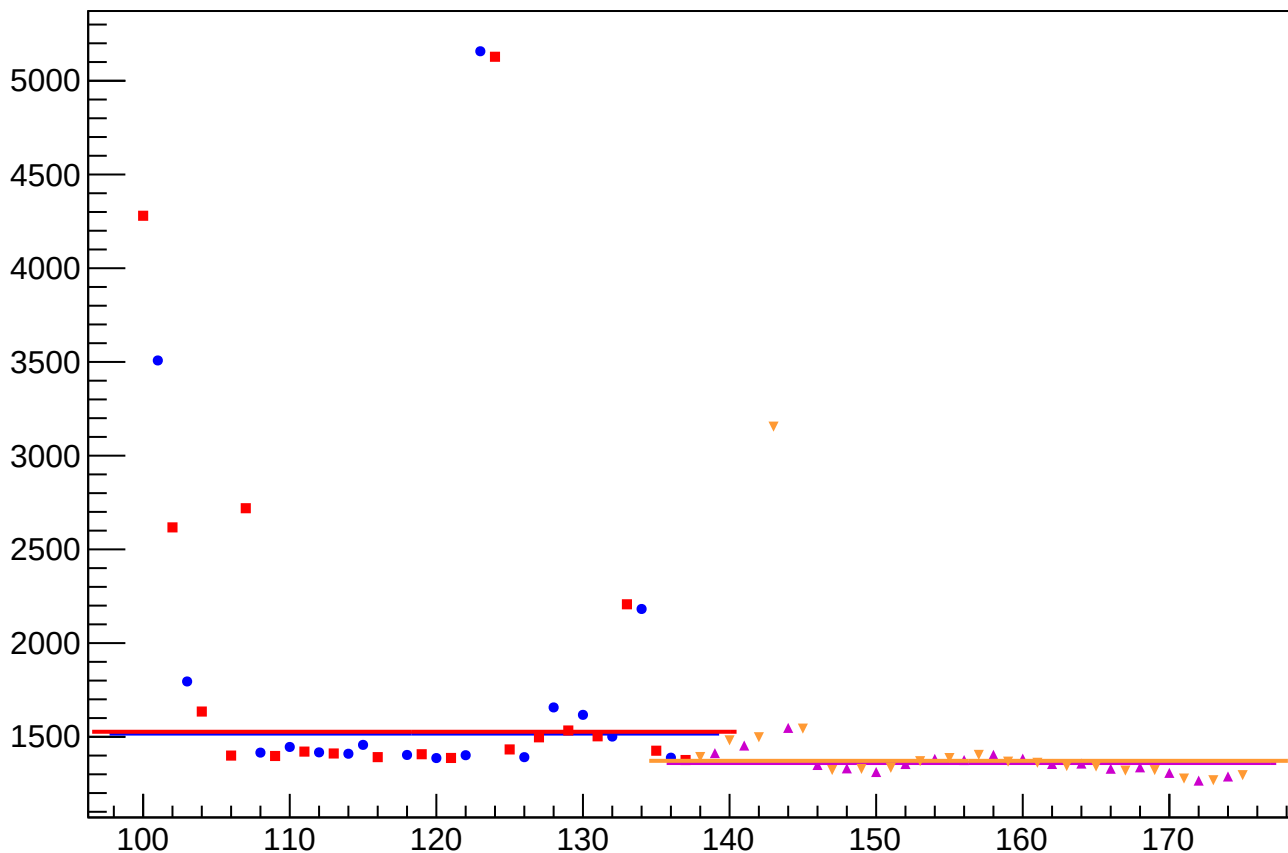
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -551.849+/-311.902 χ^2/NDF :39.8/34

Out: -420.201+/-306.113 χ^2/NDF :38.6/38

All: -484.792+/-218.473 χ^2/NDF : 78.5/73

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: 1371.901+/-0.252 χ^2/NDF : 493456.7/19

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1360.234+/-0.258 χ^2/NDF : 56317.4/17

Left: 1366.186+/-0.180 χ^2/NDF : 550820.7/37

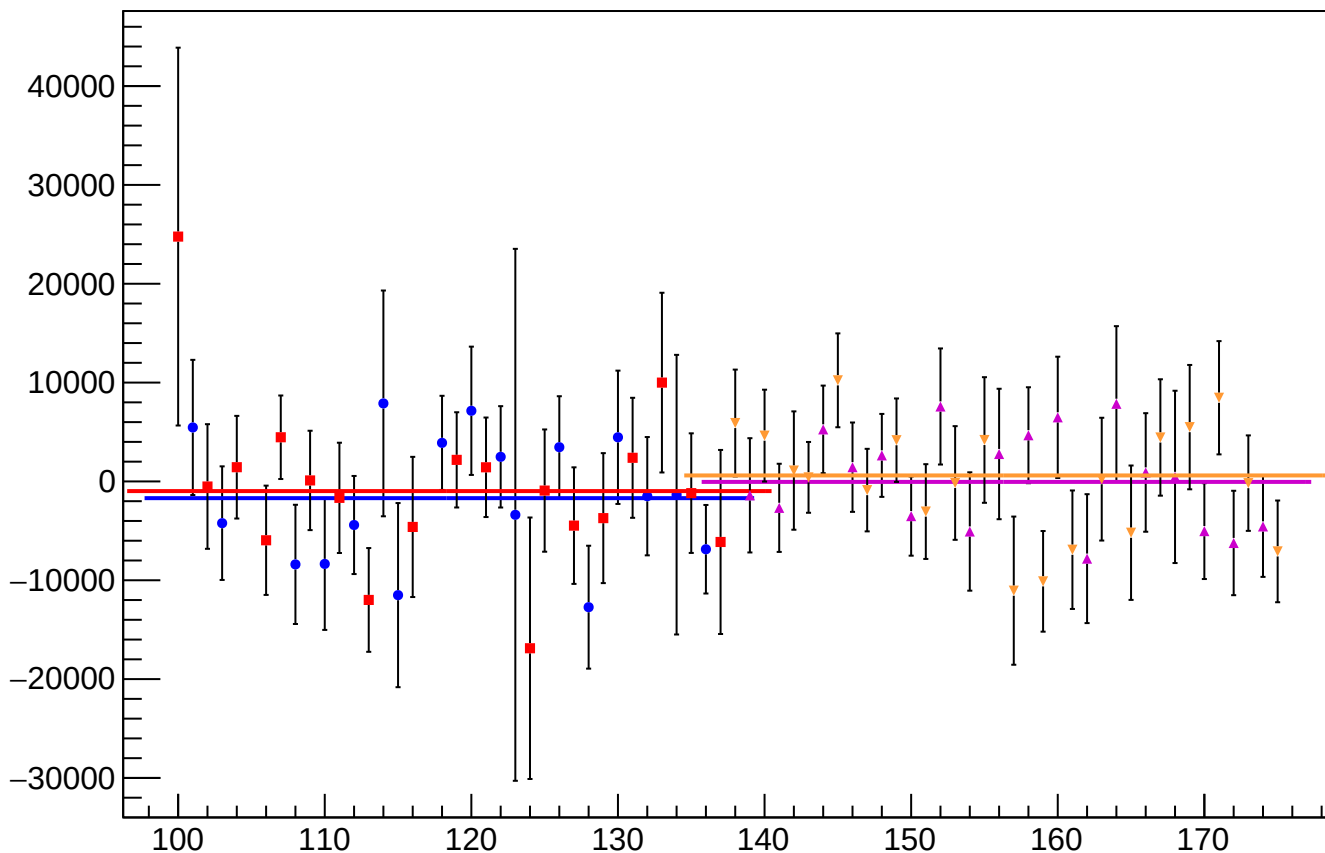
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1402.170+/-0.221 χ^2/NDF : 692268.8/34

Out: 1412.948+/-0.216 χ^2/NDF : 1225064.5/38

All: 1407.660+/-0.154 χ^2/NDF : 1918549.9/73

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



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

Left Out: 605.394 $\pm$ 1162.851 χ^2 /NDF:21.9/19

Right Out: -977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

Left In: -48.110 $\pm$ 1244.600 χ^2 /NDF:13.4/17

Left: 300.807 $\pm$ 849.691 χ^2 /NDF: 35.5/37

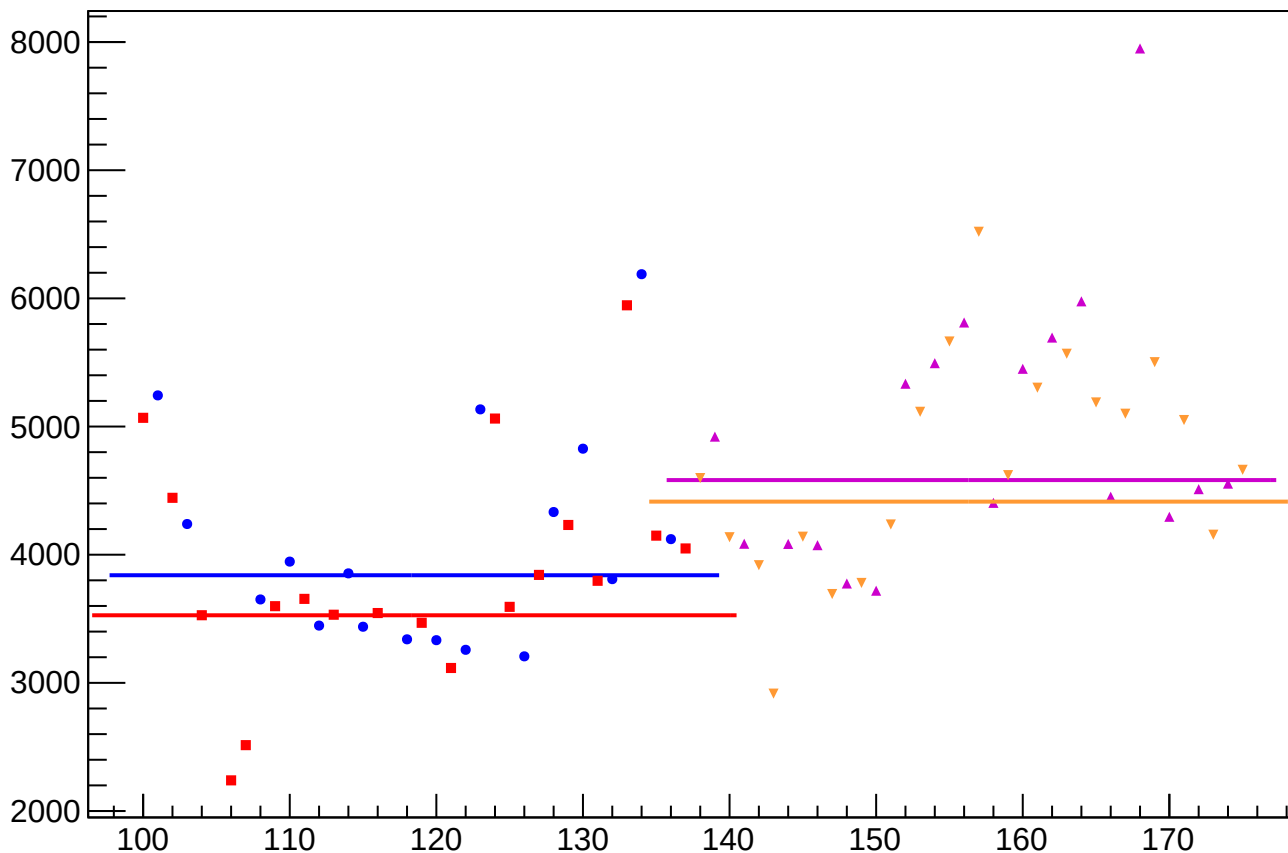
Right: -1302.190 $\pm$ 1019.117 χ^2 /NDF: 29.9/35

In: -711.832 $\pm$ 961.164 χ^2 /NDF:30.0/34

Out: -52.652 $\pm$ 888.940 χ^2 /NDF:36.6/38

All: -356.548 $\pm$ 652.616 χ^2 /NDF: 66.8/73

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751 $\pm$ 1.070 χ^2 /NDF: 325959.2/16

Left Out: 4414.172 $\pm$ 0.822 χ^2 /NDF: 1016202.0/19

Right Out: 3527.320 $\pm$ 0.966 χ^2 /NDF: 554785.4/18

Left In: 4582.272 $\pm$ 0.880 χ^2 /NDF: 868652.2/17

Left: 4492.520 $\pm$ 0.601 χ^2 /NDF: 1904333.8/37

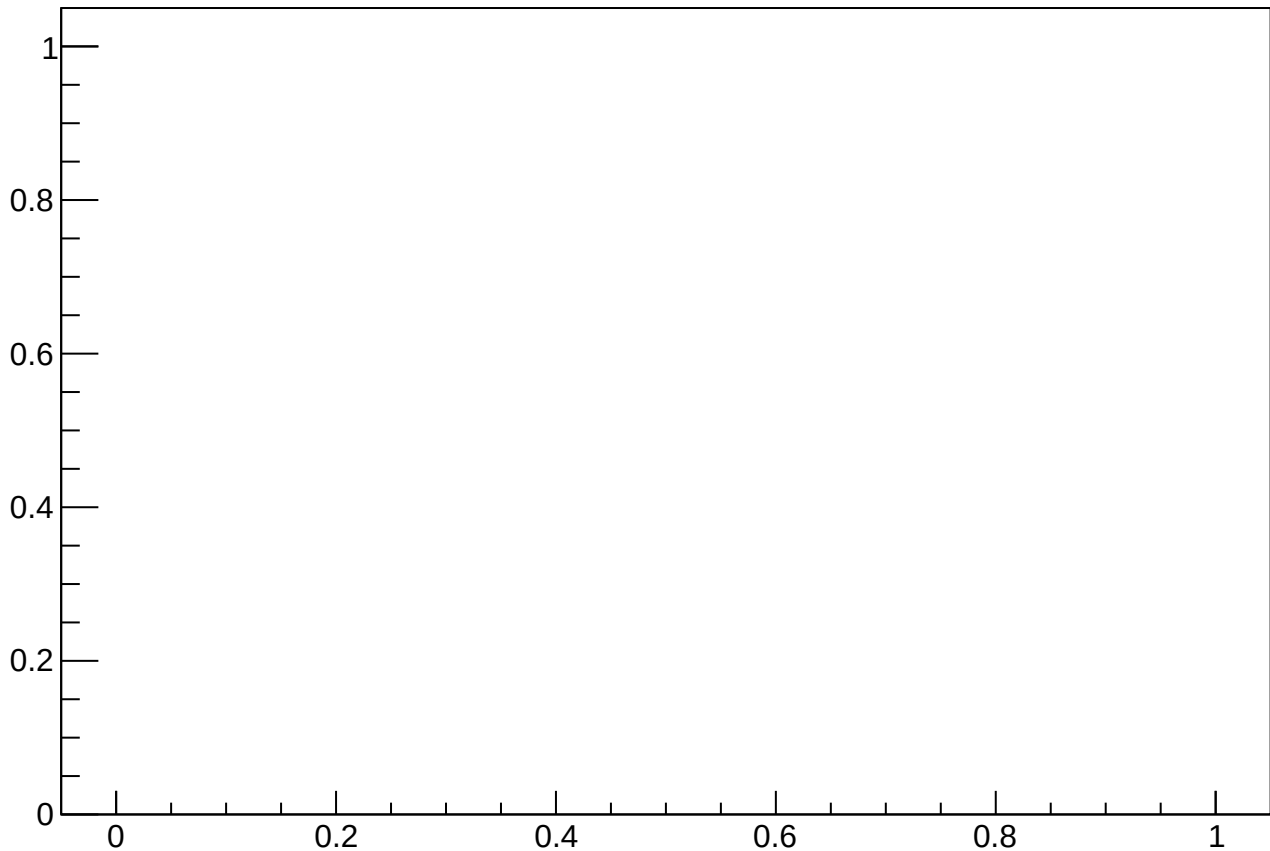
Right: 3667.674 $\pm$ 0.717 χ^2 /NDF: 927722.2/35

In: 4282.579 $\pm$ 0.680 χ^2 /NDF: 1481924.5/34

Out: 4041.640 $\pm$ 0.626 χ^2 /NDF: 2059635.6/38

All: 4152.263 $\pm$ 0.461 χ^2 /NDF: 3609535.1/73

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

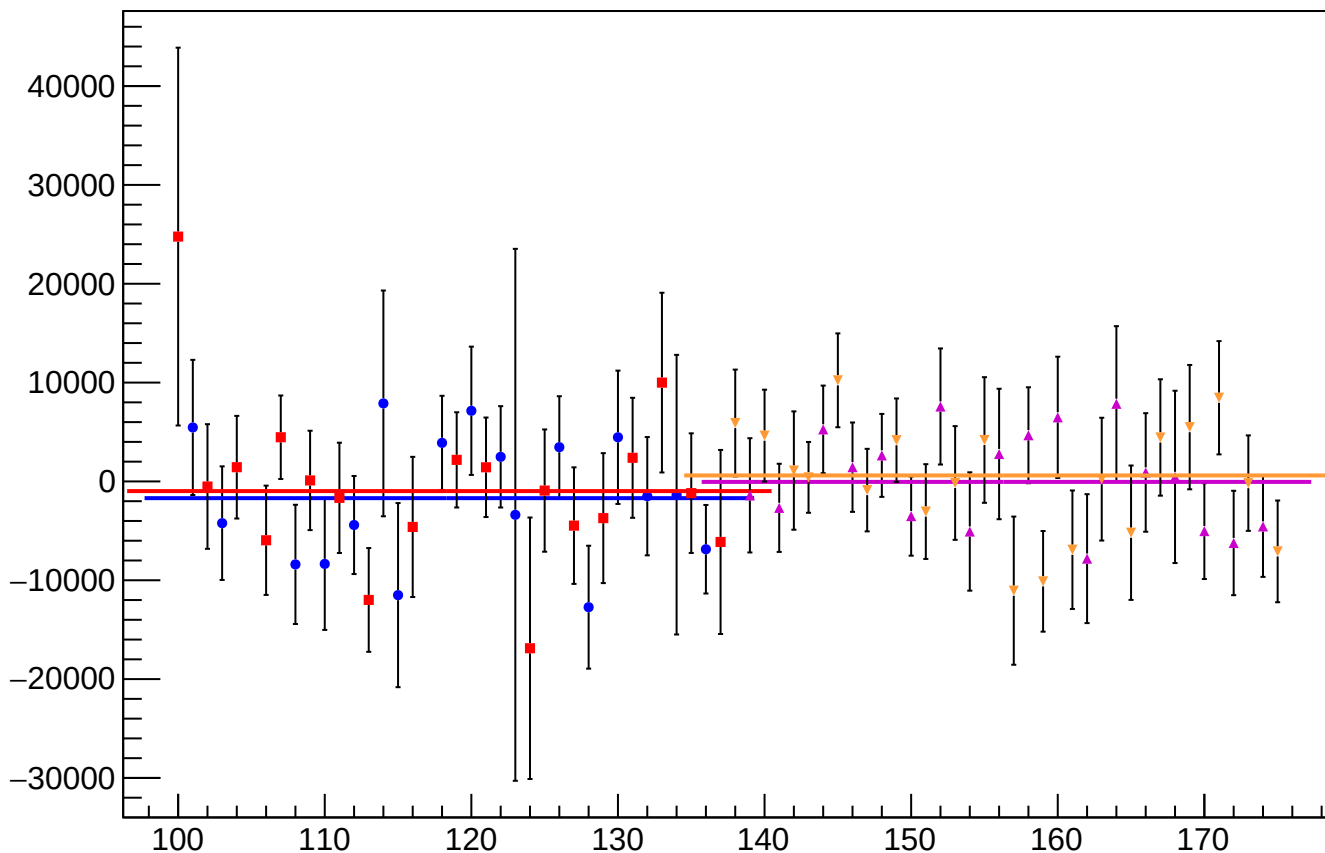
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 605.394 $\pm$ 1162.851 χ^2 /NDF:21.9/19

Right Out: -977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

Left In: -48.110 $\pm$ 1244.600 χ^2 /NDF:13.4/17

Left: 300.807 $\pm$ 849.691 χ^2 /NDF: 35.5/37

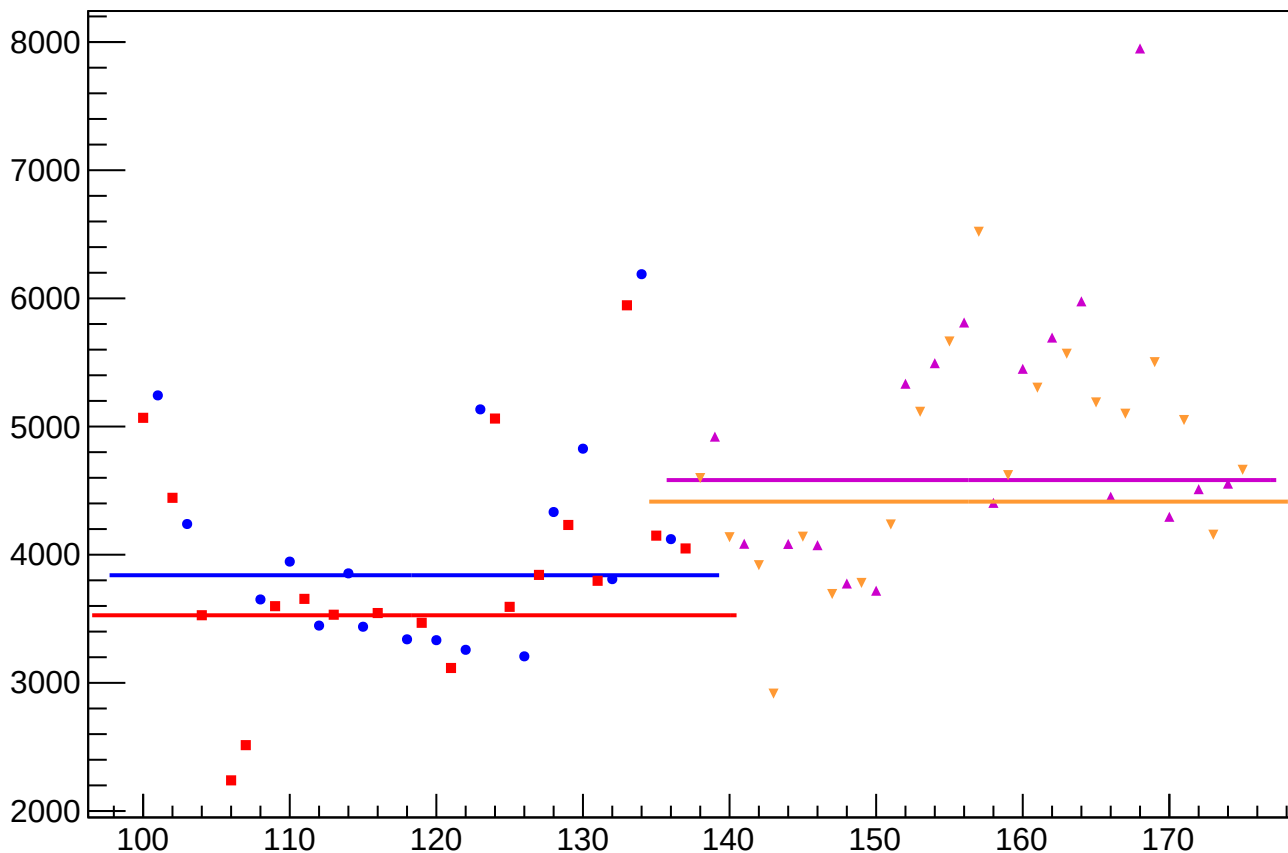
Right: -1302.190 $\pm$ 1019.117 χ^2 /NDF: 29.9/35

In: -711.832 $\pm$ 961.164 χ^2 /NDF:30.0/34

Out: -52.652 $\pm$ 888.940 χ^2 /NDF:36.6/38

All: -356.548 $\pm$ 652.616 χ^2 /NDF: 66.8/73

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: 4414.172+/-0.822 χ^2/NDF : 1016202.0/19

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4582.272+/-0.880 χ^2/NDF : 868652.2/17

Left: 4492.520+/-0.601 χ^2/NDF : 1904333.8/37

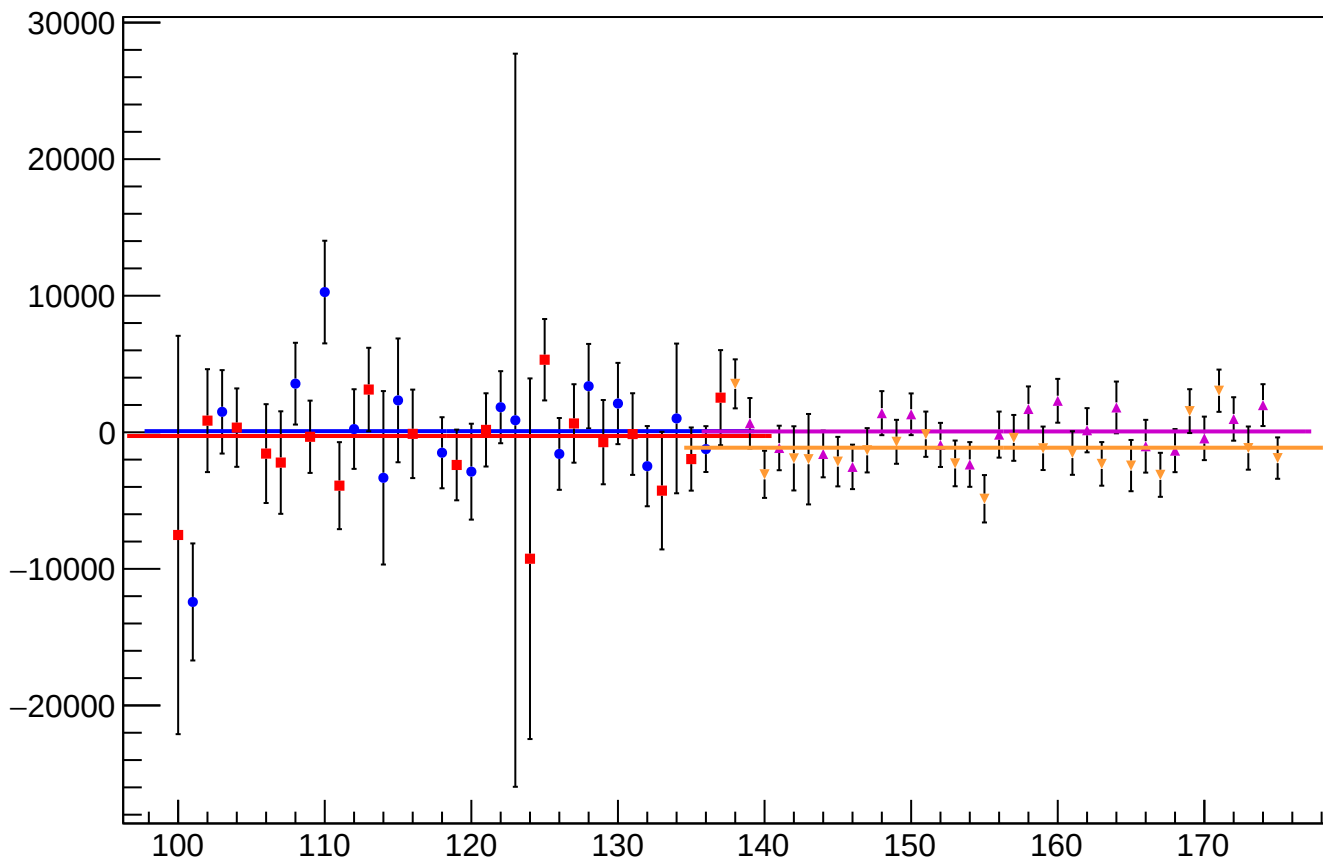
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4282.579+/-0.680 χ^2/NDF : 1481924.5/34

Out: 4041.640+/-0.626 χ^2/NDF : 2059635.6/38

All: 4152.263+/-0.461 χ^2/NDF : 3609535.1/73

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1129.102 ± 381.077 $\chi^2/\text{NDF}: 27.2/19$

Right Out: -272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

Left In: 61.927 ± 388.906 $\chi^2/\text{NDF}: 15.0/17$

Left: -545.697 ± 272.188 $\chi^2/\text{NDF}: 47.0/37$

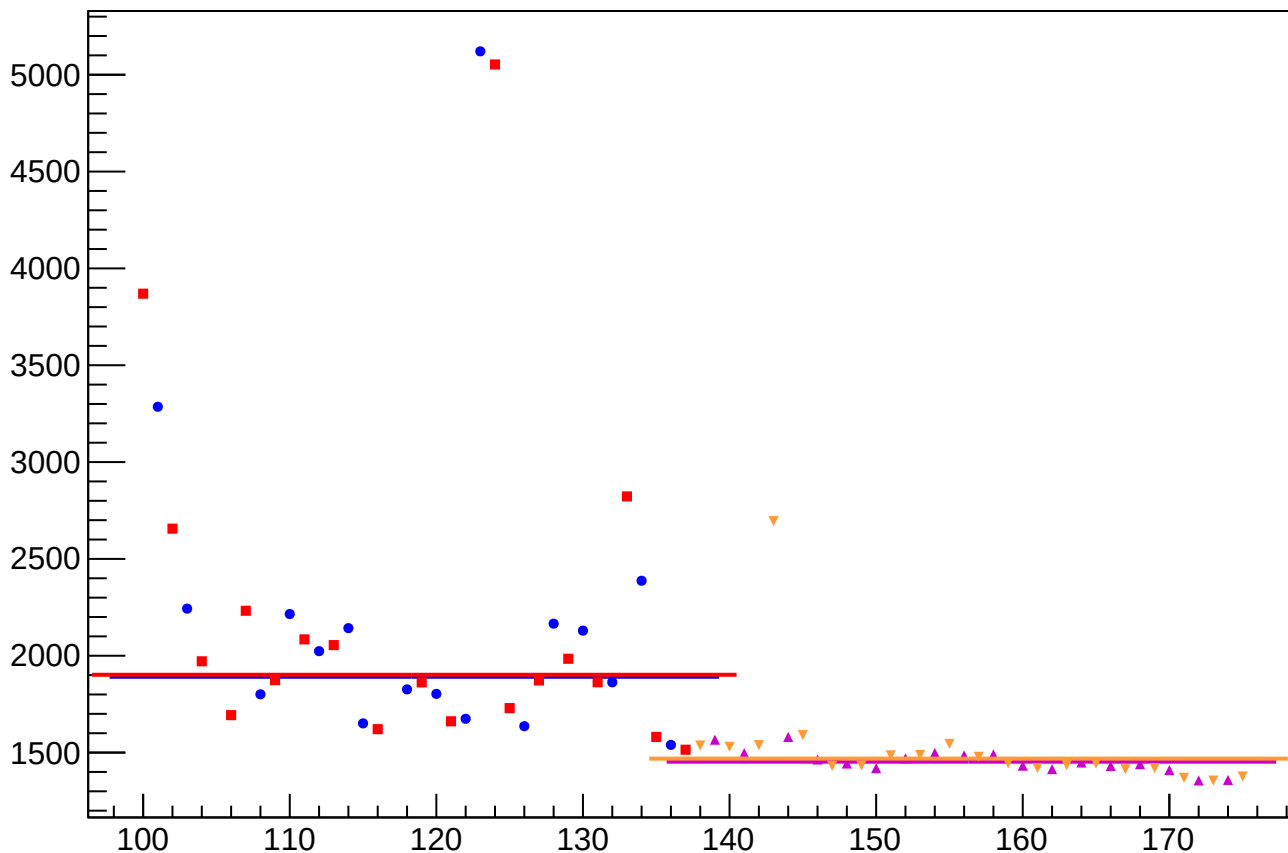
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: 66.570 ± 345.303 $\chi^2/\text{NDF}: 37.9/34$

Out: -947.320 ± 338.223 $\chi^2/\text{NDF}: 38.5/38$

All: -450.877 ± 241.624 $\chi^2/\text{NDF}: 80.7/73$

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: 1468.844+/-0.269 χ^2/NDF : 330296.7/19

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1452.896+/-0.275 χ^2/NDF : 43182.5/17

Left: 1461.032+/-0.192 χ^2/NDF : 375194.9/37

Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1545.732+/-0.244 χ^2/NDF : 1046095.6/34

Out: 1560.747+/-0.239 χ^2/NDF : 1338977.0/38

All: 1553.395+/-0.171 χ^2/NDF : 2387002.6/73

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

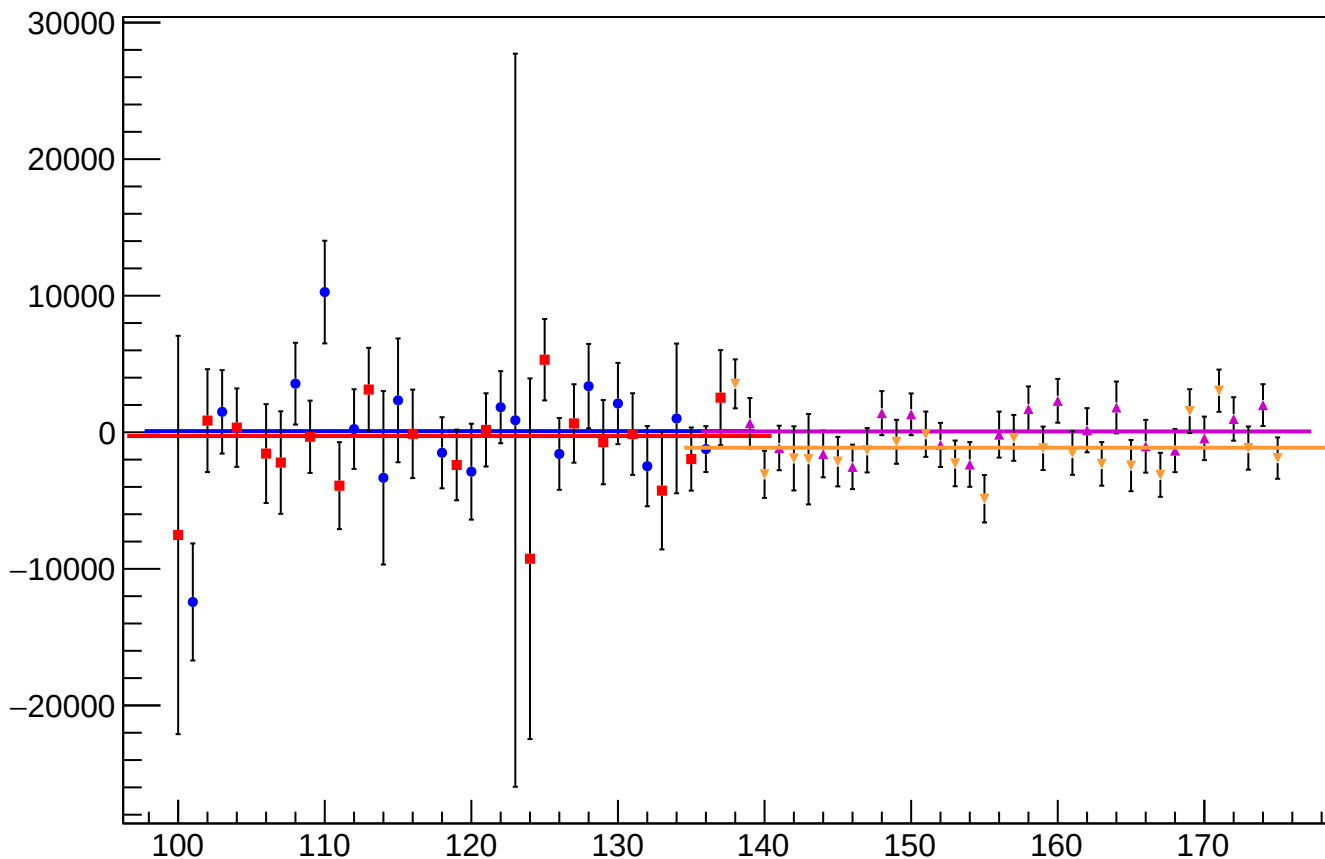
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1129.102+/-381.077 χ^2/NDF :27.2/19

Right Out: -272.707+/-734.115 χ^2/NDF : 10.2/18

Left In: 61.927+/-388.906 χ^2/NDF :15.0/17

Left: -545.697+/-272.188 χ^2/NDF : 47.0/37

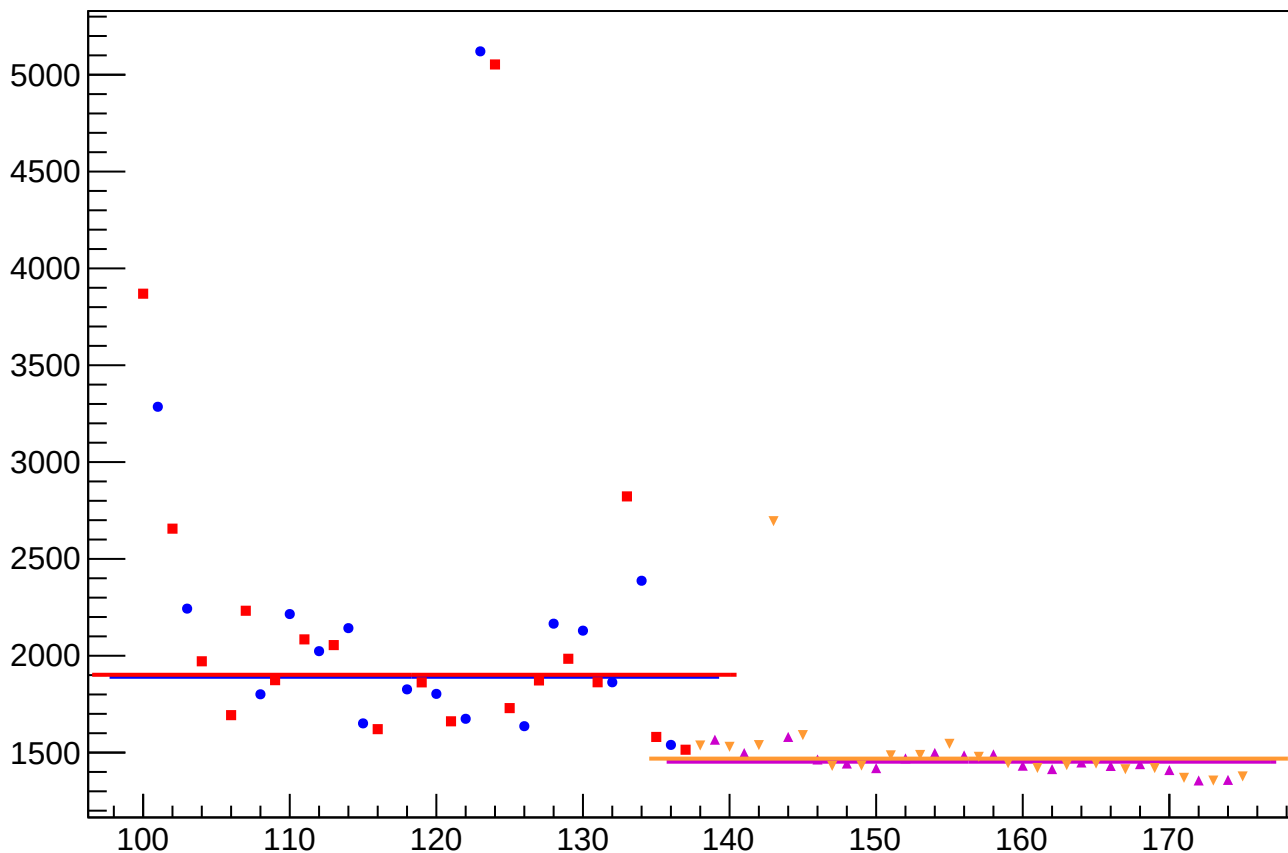
Right: -98.370+/-524.811 χ^2/NDF : 33.2/35

In: 66.570+/-345.303 χ^2/NDF :37.9/34

Out: -947.320+/-338.223 χ^2/NDF :38.5/38

All: -450.877+/-241.624 χ^2/NDF : 80.7/73

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 ± 0.531 $\chi^2/\text{NDF}: 464497.5/16$

Left Out: 1468.844 ± 0.269 $\chi^2/\text{NDF}: 330296.7/19$

Right Out: 1901.797 ± 0.519 $\chi^2/\text{NDF}: 460687.3/18$

Left In: 1452.896 ± 0.275 $\chi^2/\text{NDF}: 43182.5/17$

Left: 1461.032 ± 0.192 $\chi^2/\text{NDF}: 375194.9/37$

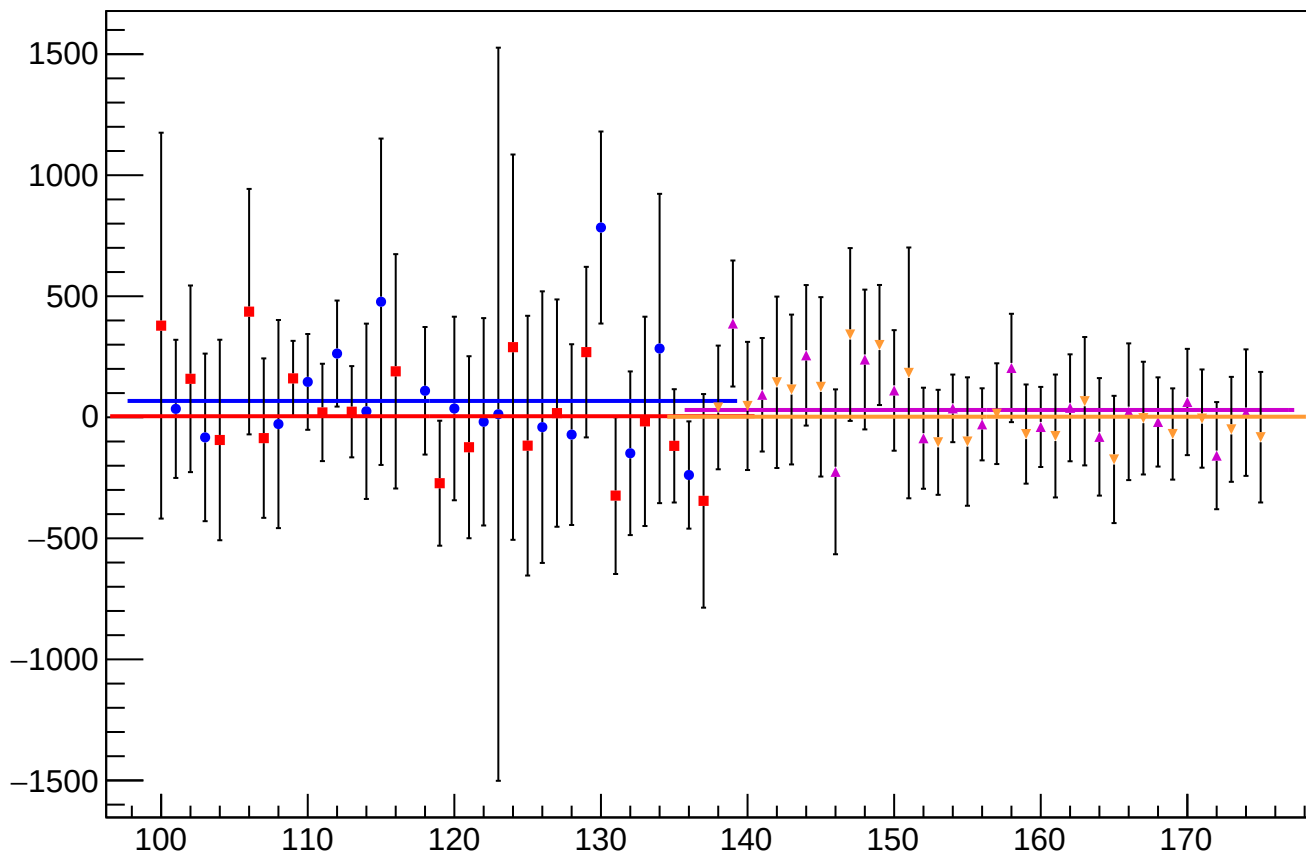
Right: 1896.759 ± 0.371 $\chi^2/\text{NDF}: 925377.5/35$

In: 1545.732 ± 0.244 $\chi^2/\text{NDF}: 1046095.6/34$

Out: 1560.747 ± 0.239 $\chi^2/\text{NDF}: 1338977.0/38$

All: 1553.395 ± 0.171 $\chi^2/\text{NDF}: 2387002.6/73$

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: 2.404 $\pm$ 56.286 χ^2 /NDF:4.3/19

Right Out: 4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

Left In: 30.251 $\pm$ 50.464 χ^2 /NDF:6.0/17

Left: 17.841 $\pm$ 37.574 χ^2 /NDF: 10.5/37

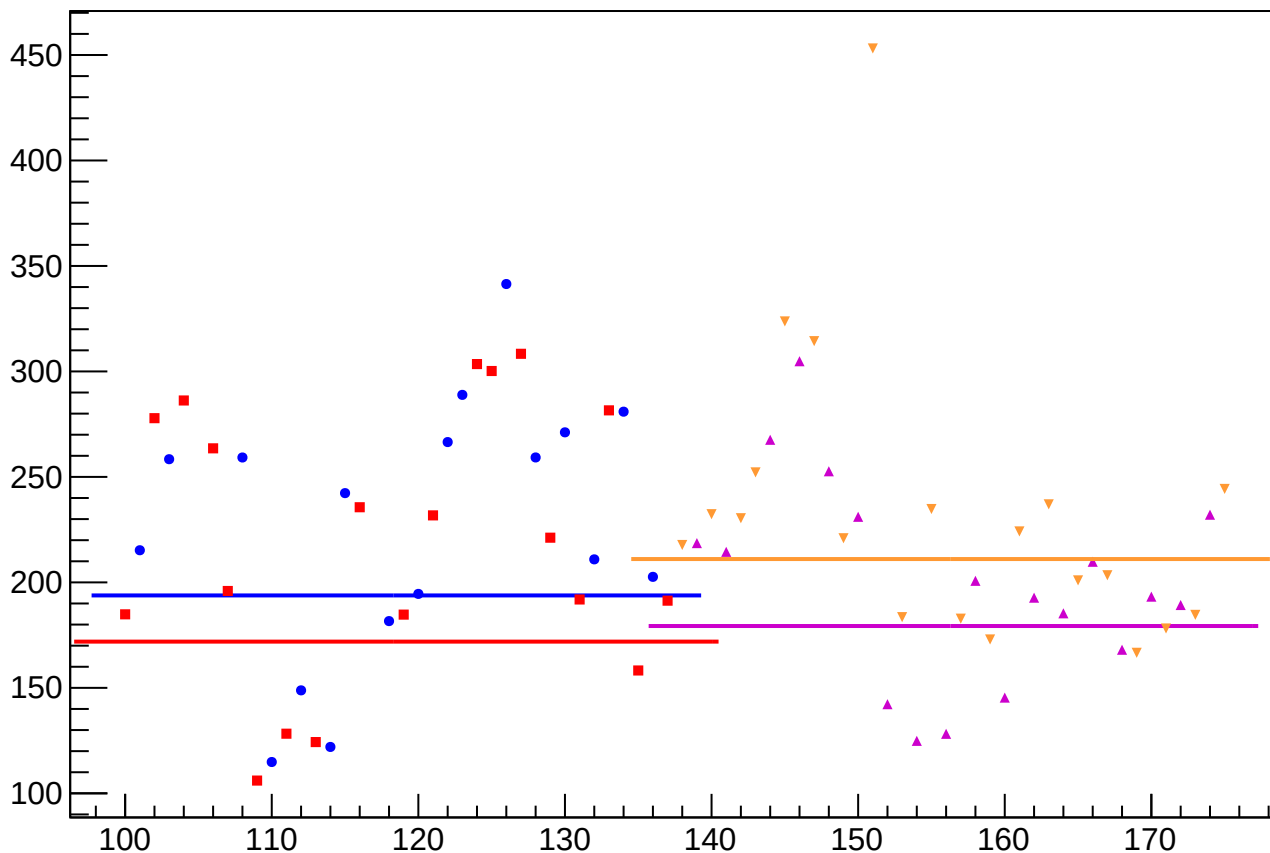
Right: 31.949 $\pm$ 52.572 χ^2 /NDF: 14.2/35

In: 40.940 $\pm$ 42.622 χ^2 /NDF:13.7/34

Out: 3.196 $\pm$ 43.867 χ^2 /NDF:10.7/38

All: 22.611 $\pm$ 30.569 χ^2 /NDF: 24.8/73

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: 211.063 $\pm$ 0.040 χ^2 /NDF:1255473.0/19

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

Left In: 179.316 $\pm$ 0.036 χ^2 /NDF:1600789.7/17

Left: 193.463 $\pm$ 0.027 χ^2 /NDF: 3208973.7/37

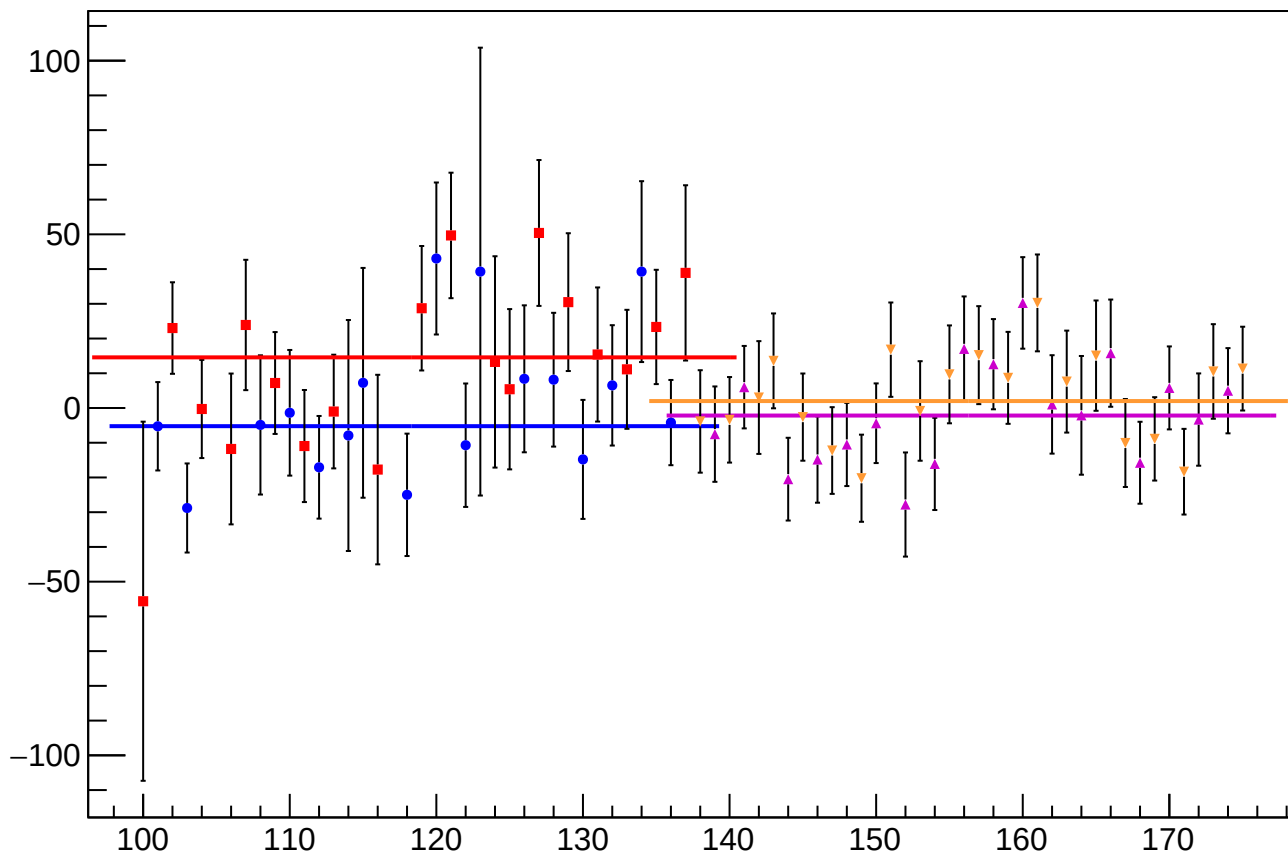
Right: 181.469 $\pm$ 0.037 χ^2 /NDF: 2672713.5/35

In: 183.473 $\pm$ 0.030 χ^2 /NDF:2658439.0/34

Out: 195.695 $\pm$ 0.031 χ^2 /NDF:3212293.3/38

All: 189.408 $\pm$ 0.022 χ^2 /NDF: 5950598.9/73

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 1.998 ± 2.998 χ^2/NDF : 18.7/19

Right Out: 14.579 ± 4.265 χ^2/NDF : 19.5/18

Left In: -2.173 ± 3.074 χ^2/NDF : 21.1/17

Left: -0.035 ± 2.146 χ^2/NDF : 40.7/37

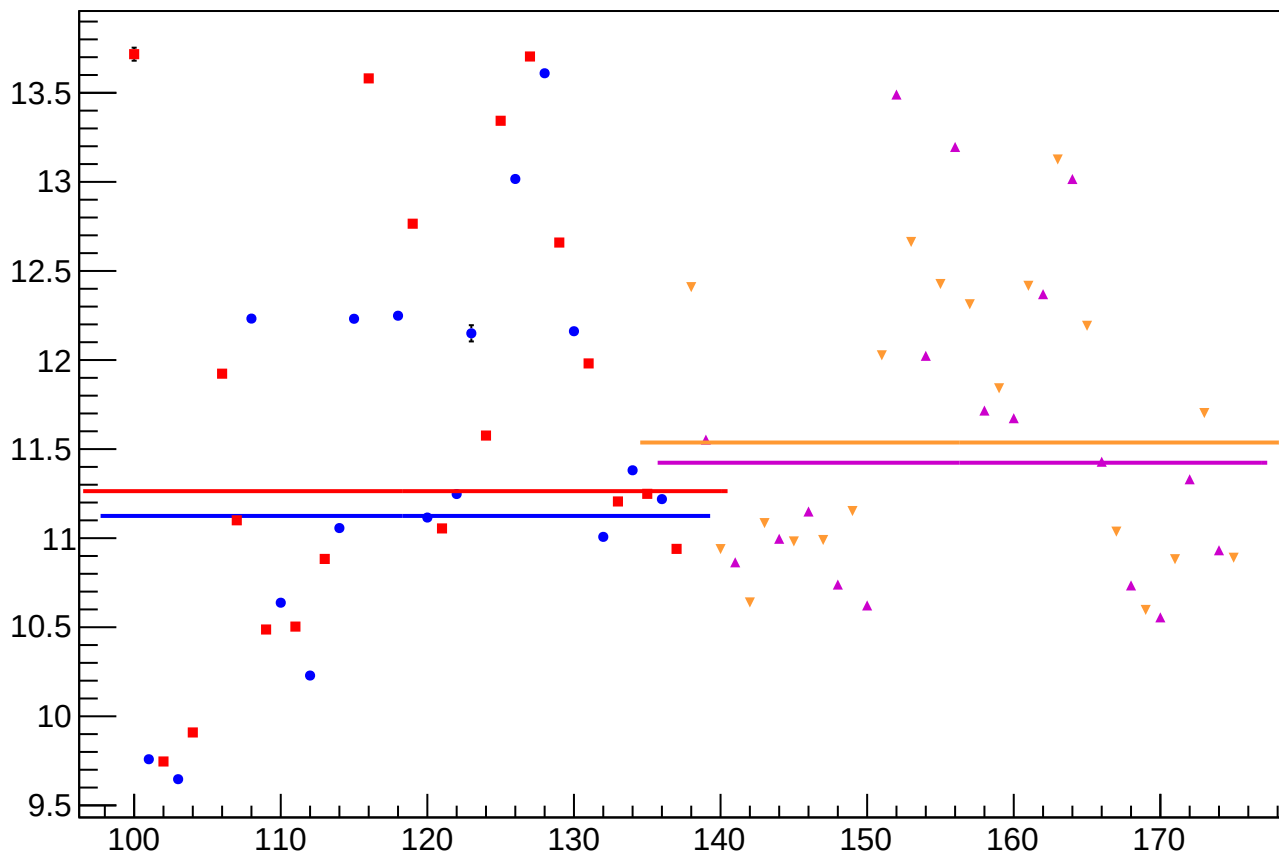
Right: 4.883 ± 3.047 χ^2/NDF : 45.6/35

In: -3.190 ± 2.512 χ^2/NDF : 36.9/34

Out: 6.157 ± 2.452 χ^2/NDF : 44.0/38

All: 1.596 ± 1.755 χ^2/NDF : 88.0/73

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: 11.537 $\pm$ 0.002 χ^2 /NDF:121564.2/19

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

Left In: 11.423 $\pm$ 0.002 χ^2 /NDF:142809.7/17

Left: 11.482 $\pm$ 0.002 χ^2 /NDF: 265772.5/37

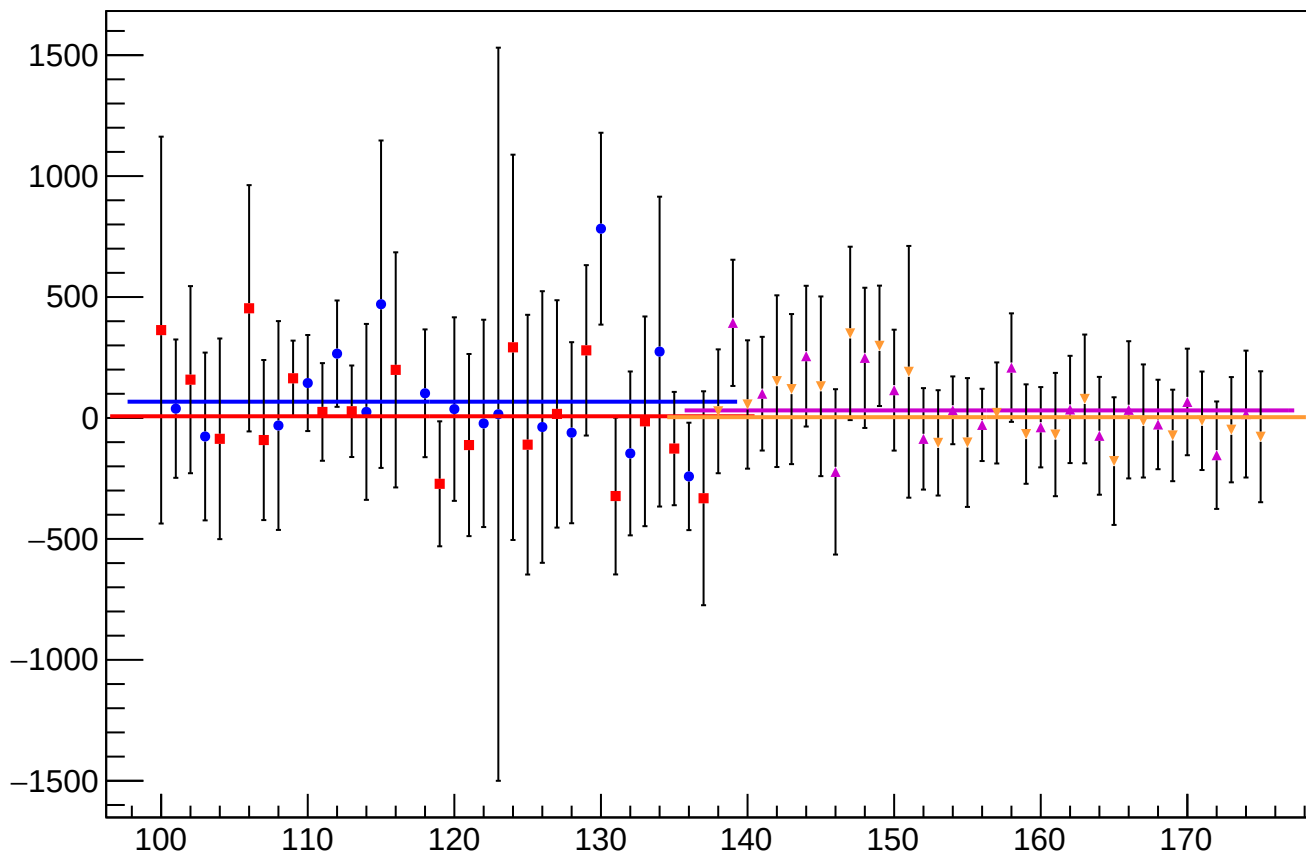
Right: 11.196 $\pm$ 0.002 χ^2 /NDF: 281295.0/35

In: 11.324 $\pm$ 0.002 χ^2 /NDF:281603.9/34

Out: 11.447 $\pm$ 0.002 χ^2 /NDF:274783.8/38

All: 11.387 $\pm$ 0.001 χ^2 /NDF: 558825.8/73

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 3.317+/-56.484 χ^2/NDF : 4.4/19

Right Out: 7.039+/-70.212 χ^2/NDF : 6.4/18

Left In: 31.315+/-50.639 χ^2/NDF : 6.1/17

Left: 18.839+/-37.705 χ^2/NDF : 10.7/37

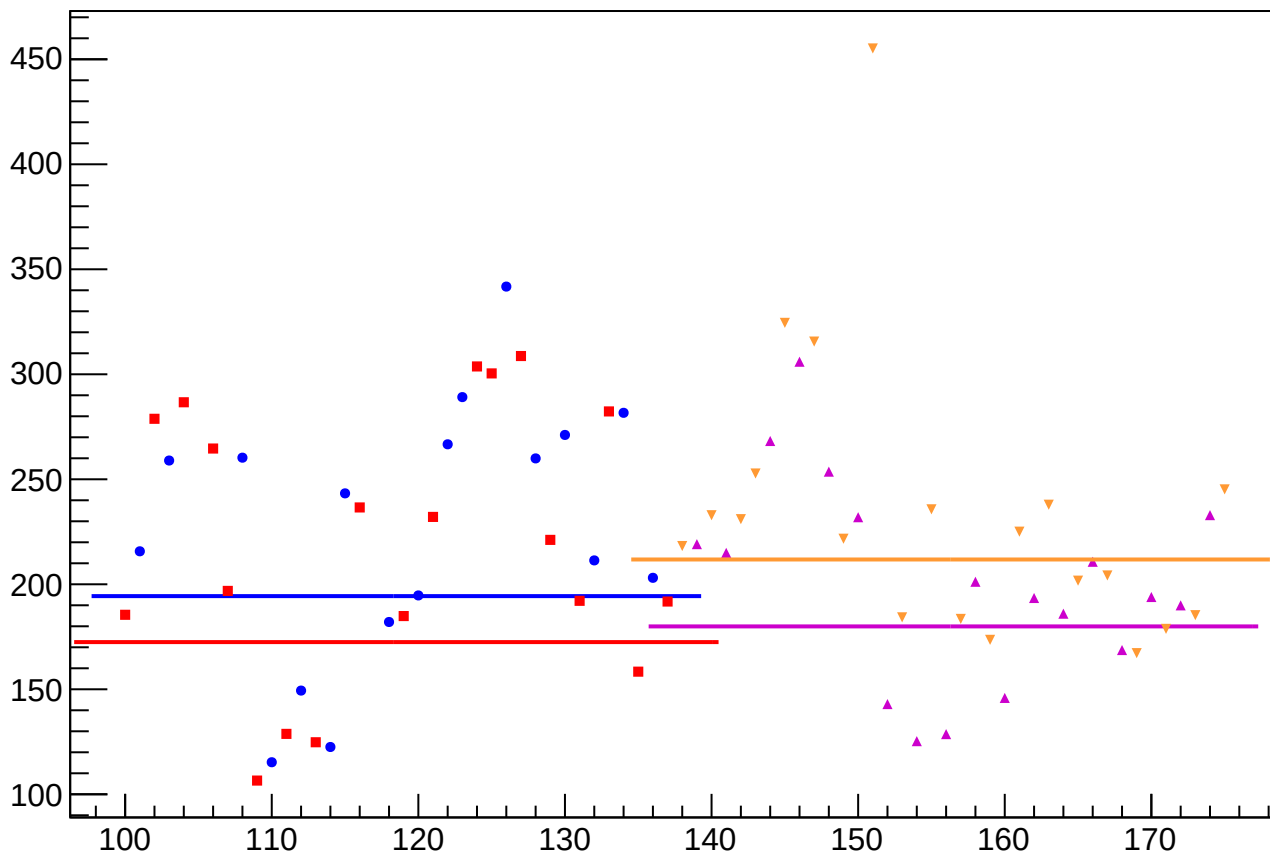
Right: 33.329+/-52.718 χ^2/NDF : 14.2/35

In: 41.644+/-42.760 χ^2/NDF : 13.7/34

Out: 4.779+/-44.011 χ^2/NDF : 10.9/38

All: 23.743+/-30.668 χ^2/NDF : 25.0/73

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: 211.808 $\pm$ 0.040 χ^2 /NDF:1254517.6/19

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

Left In: 179.943 $\pm$ 0.036 χ^2 /NDF:1599001.8/17

Left: 194.142 $\pm$ 0.027 χ^2 /NDF: 3206399.2/37

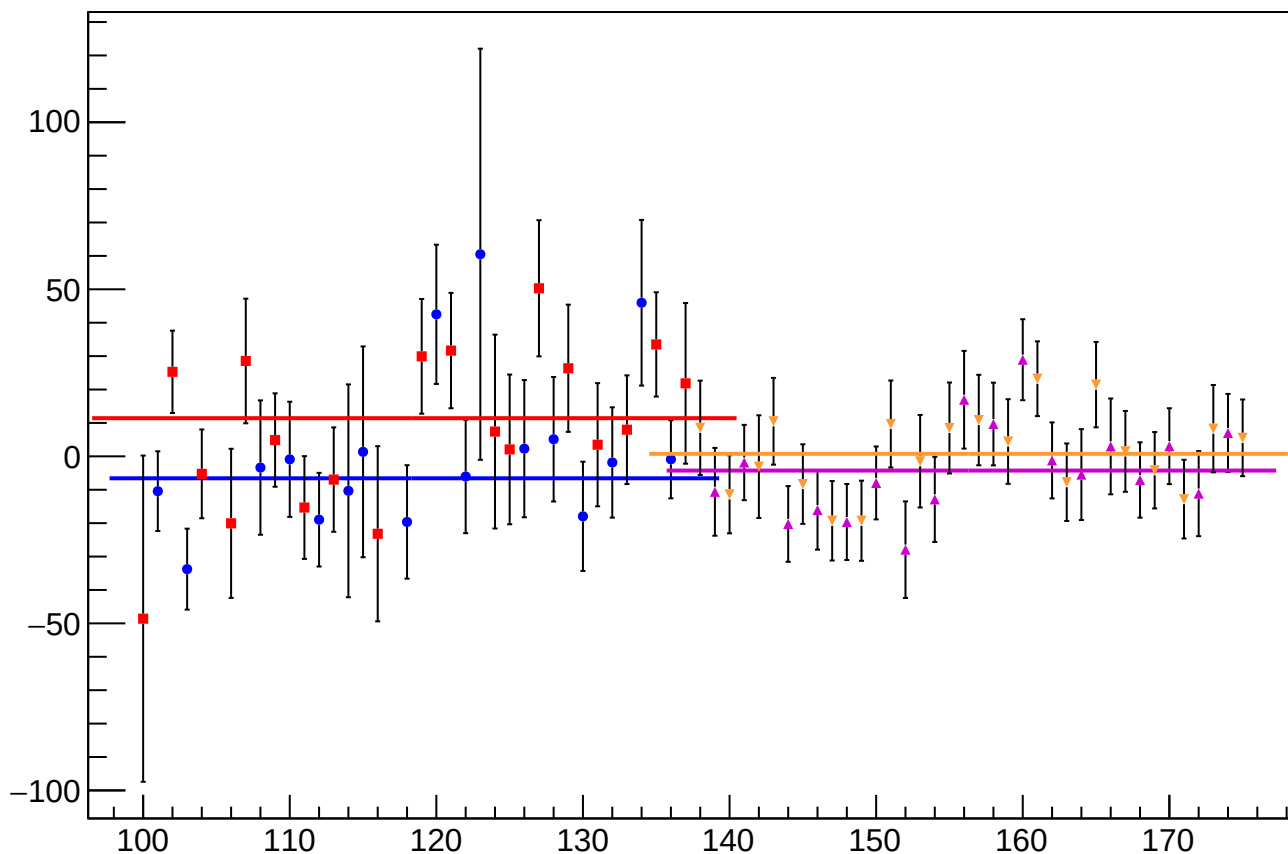
Right: 182.022 $\pm$ 0.037 χ^2 /NDF: 2659717.0/35

In: 184.082 $\pm$ 0.030 χ^2 /NDF:2650794.3/34

Out: 196.352 $\pm$ 0.031 χ^2 /NDF:3205279.2/38

All: 190.040 $\pm$ 0.022 χ^2 /NDF: 5936046.7/73

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: 0.758 ± 2.790 $\chi^2/\text{NDF}: 18.9/19$

Right Out: 11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

Left In: -4.259 ± 2.878 $\chi^2/\text{NDF}: 21.2/17$

Left: -1.673 ± 2.003 $\chi^2/\text{NDF}: 41.7/37$

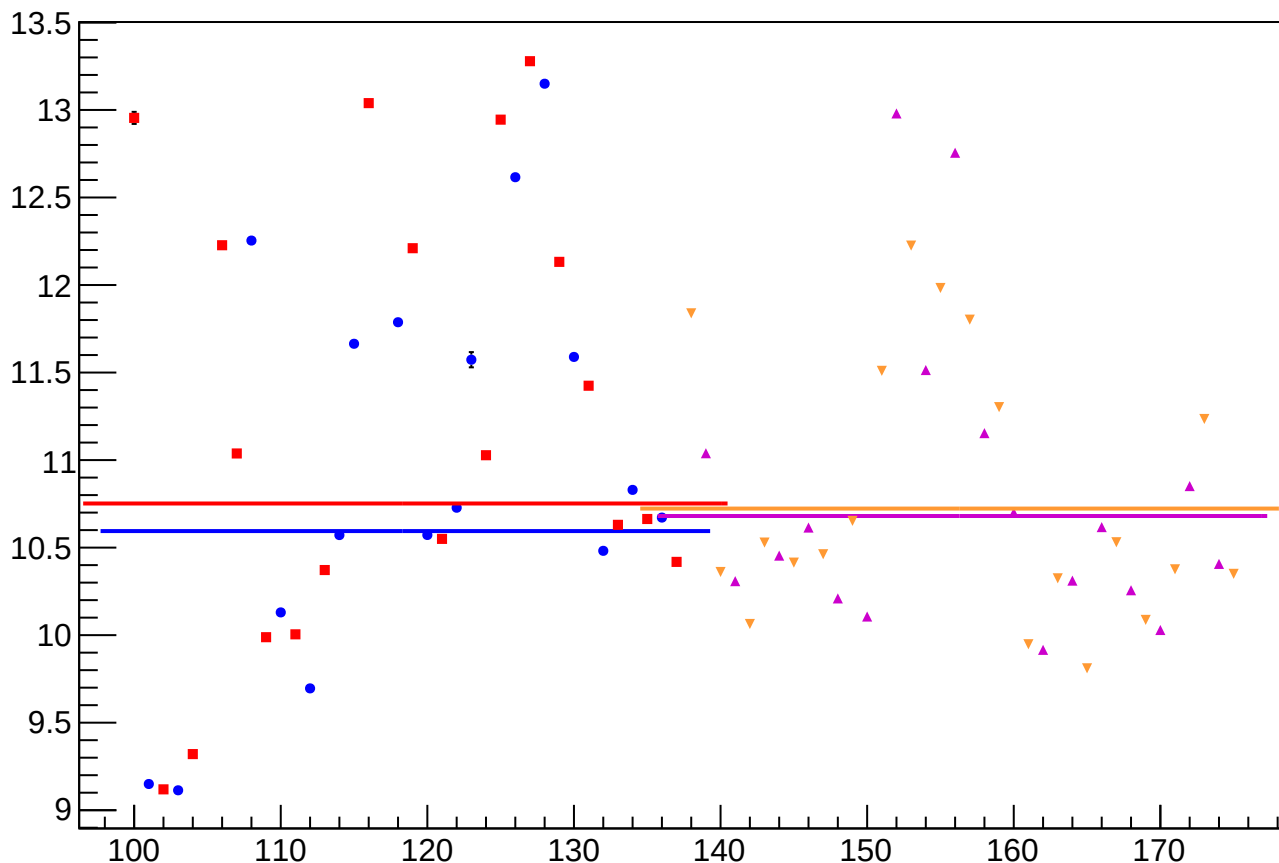
Right: 2.593 ± 2.912 $\chi^2/\text{NDF}: 51.8/35$

In: -5.010 ± 2.366 $\chi^2/\text{NDF}: 40.8/34$

Out: 4.157 ± 2.303 $\chi^2/\text{NDF}: 46.5/38$

All: -0.302 ± 1.650 $\chi^2/\text{NDF}: 95.0/73$

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: 10.723 $\pm$ 0.002 χ^2 /NDF:121480.9/19

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

Left In: 10.681 $\pm$ 0.002 χ^2 /NDF:137261.1/17

Left: 10.702 $\pm$ 0.001 χ^2 /NDF: 258966.4/37

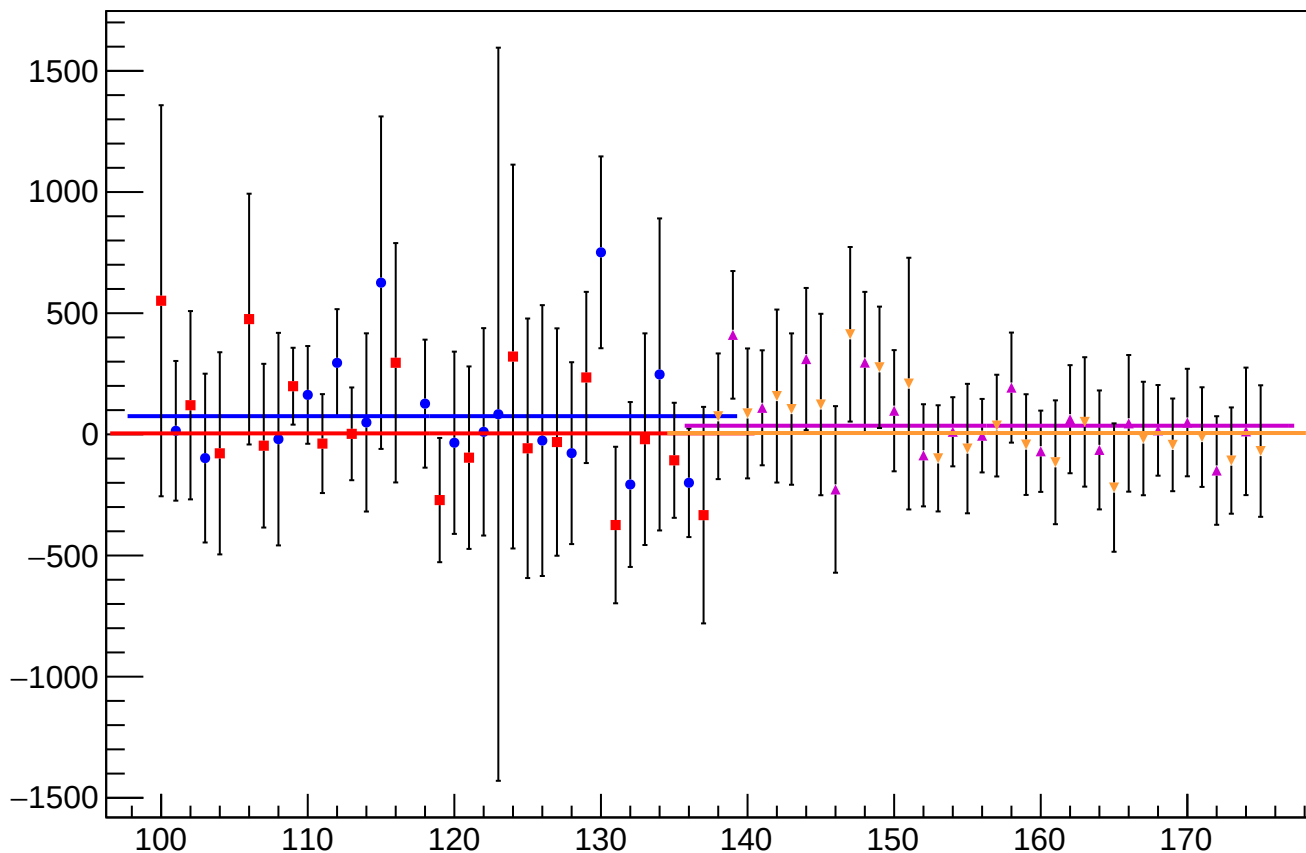
Right: 10.675 $\pm$ 0.002 χ^2 /NDF: 338695.4/35

In: 10.653 $\pm$ 0.002 χ^2 /NDF:297899.7/34

Out: 10.732 $\pm$ 0.002 χ^2 /NDF:298722.8/38

All: 10.694 $\pm$ 0.001 χ^2 /NDF: 597784.6/73

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: 5.506 $\pm$ 56.867 χ^2 /NDF:4.9/19

Right Out: 3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

Left In: 35.612 $\pm$ 51.127 χ^2 /NDF:6.6/17

Left: 22.155 $\pm$ 38.020 χ^2 /NDF: 11.7/37

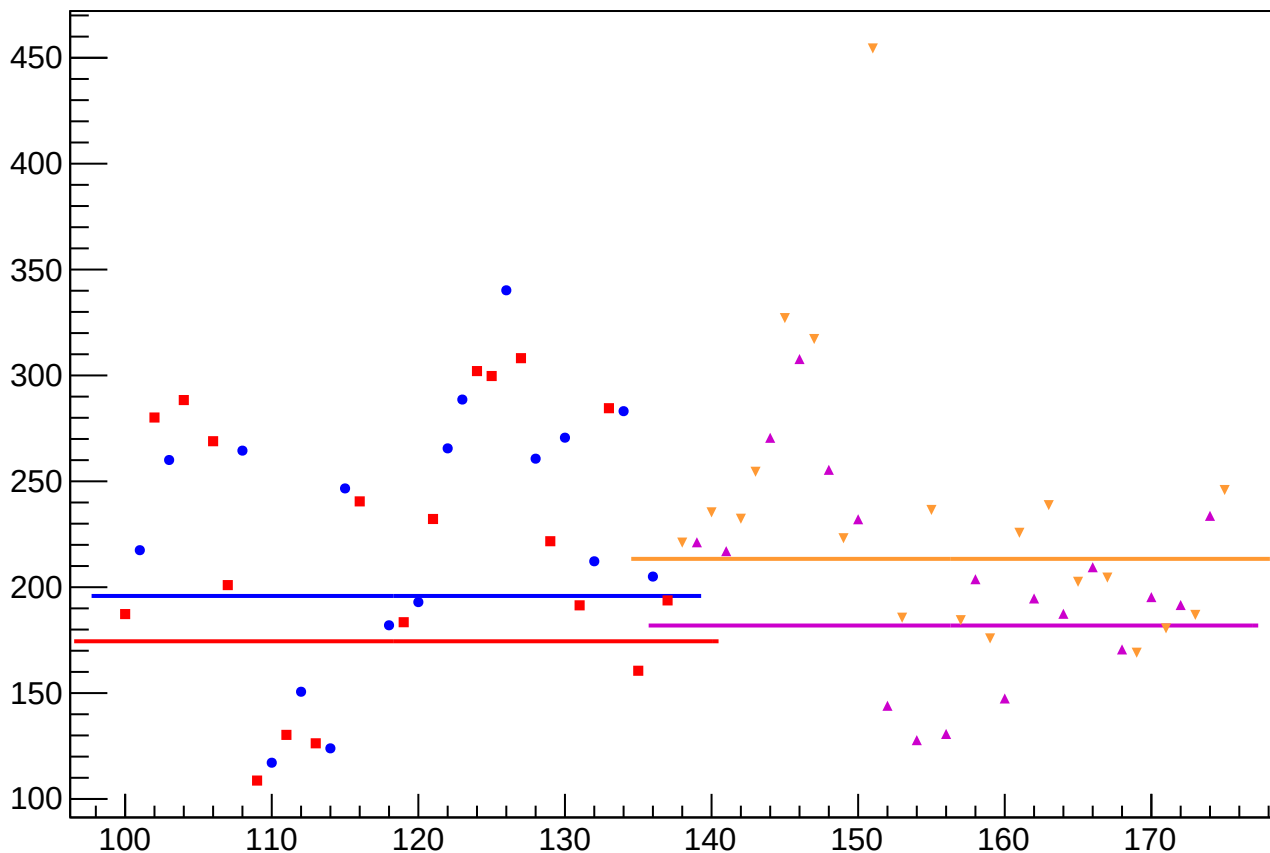
Right: 35.109 $\pm$ 53.156 χ^2 /NDF: 15.5/35

In: 46.988 $\pm$ 43.135 χ^2 /NDF:14.5/34

Out: 4.916 $\pm$ 44.357 χ^2 /NDF:12.2/38

All: 26.539 $\pm$ 30.924 χ^2 /NDF: 27.2/73

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 213.384 $\pm$ 0.040 χ^2 /NDF:1235280.9/19

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

Left In: 181.908 $\pm$ 0.036 χ^2 /NDF:1552282.0/17

Left: 195.978 $\pm$ 0.027 χ^2 /NDF: 3126399.9/37

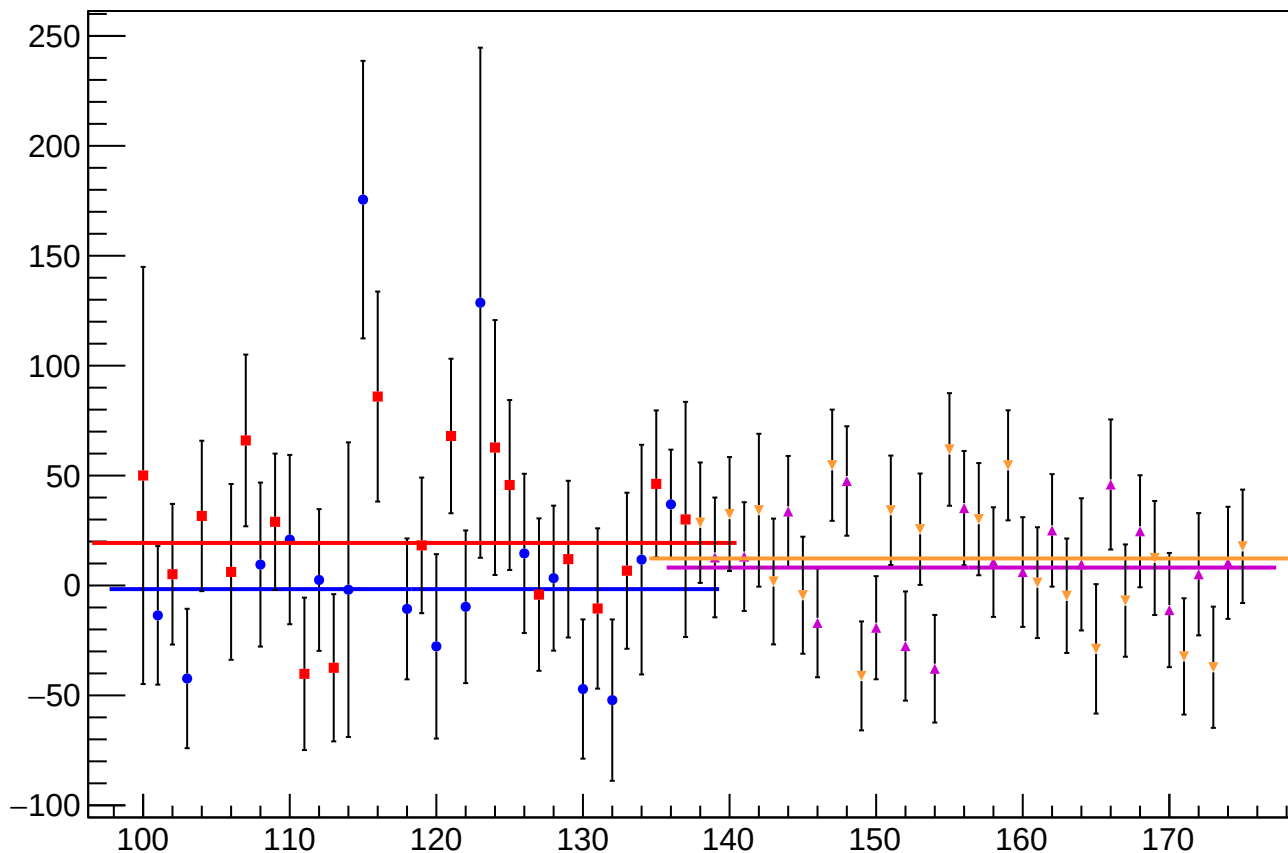
Right: 183.832 $\pm$ 0.038 χ^2 /NDF: 2587830.9/35

In: 185.931 $\pm$ 0.031 χ^2 /NDF:2574505.0/34

Out: 198.144 $\pm$ 0.031 χ^2 /NDF:3130882.1/38

All: 191.867 $\pm$ 0.022 χ^2 /NDF: 5783305.2/73

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 12.302 ± 5.896 χ^2/NDF : 26.7/19

Right Out: 19.357 ± 8.556 χ^2/NDF : 14.8/18

Left In: 8.150 ± 6.061 χ^2/NDF : 15.7/17

Left: 10.283 ± 4.226 χ^2/NDF : 42.7/37

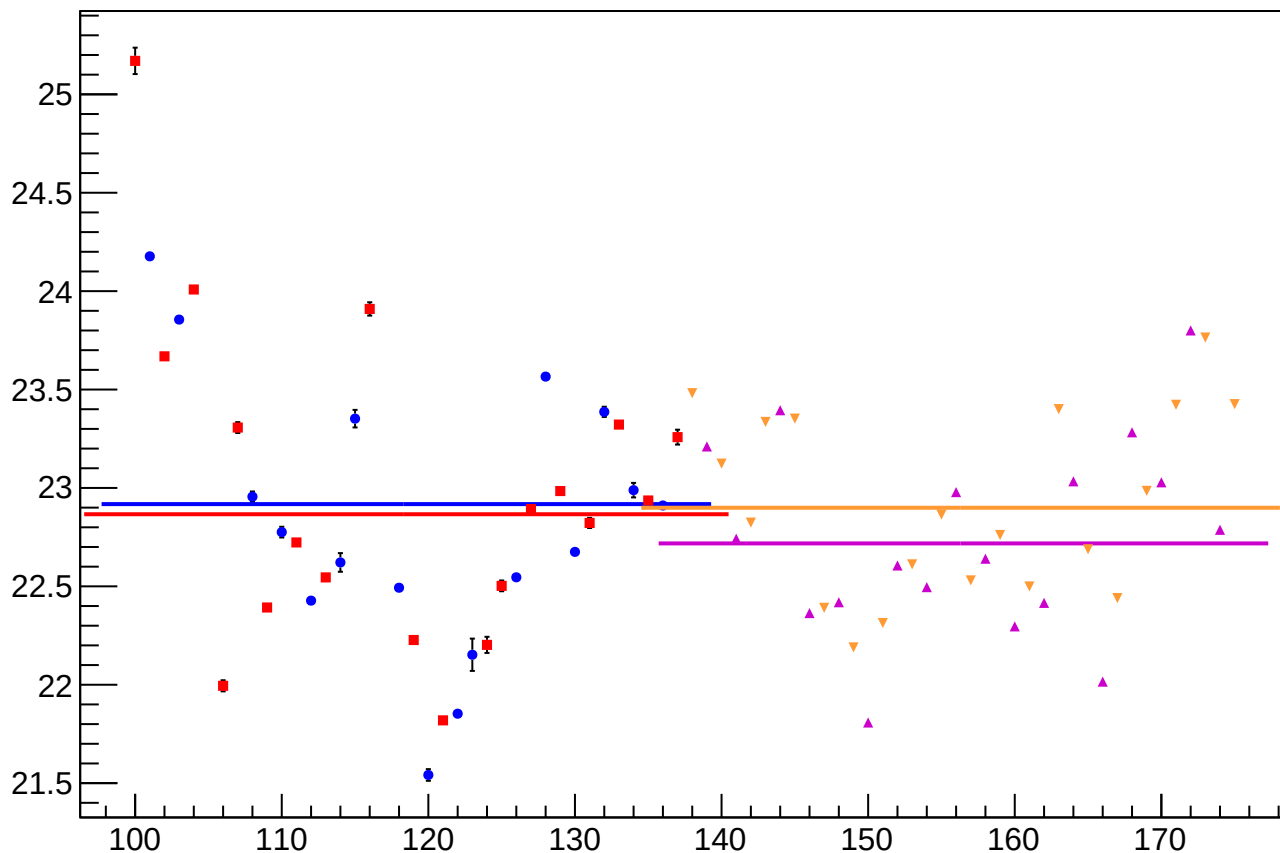
Right: 9.244 ± 6.162 χ^2/NDF : 36.2/35

In: 5.035 ± 5.006 χ^2/NDF : 35.1/34

Out: 14.574 ± 4.855 χ^2/NDF : 42.0/38

All: 9.951 ± 3.485 χ^2/NDF : 78.9/73

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: 22.899 $\pm$ 0.004 χ^2 /NDF:11998.7/19

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

Left In: 22.718 $\pm$ 0.004 χ^2 /NDF:12730.4/17

Left: 22.811 $\pm$ 0.003 χ^2 /NDF: 25647.9/37

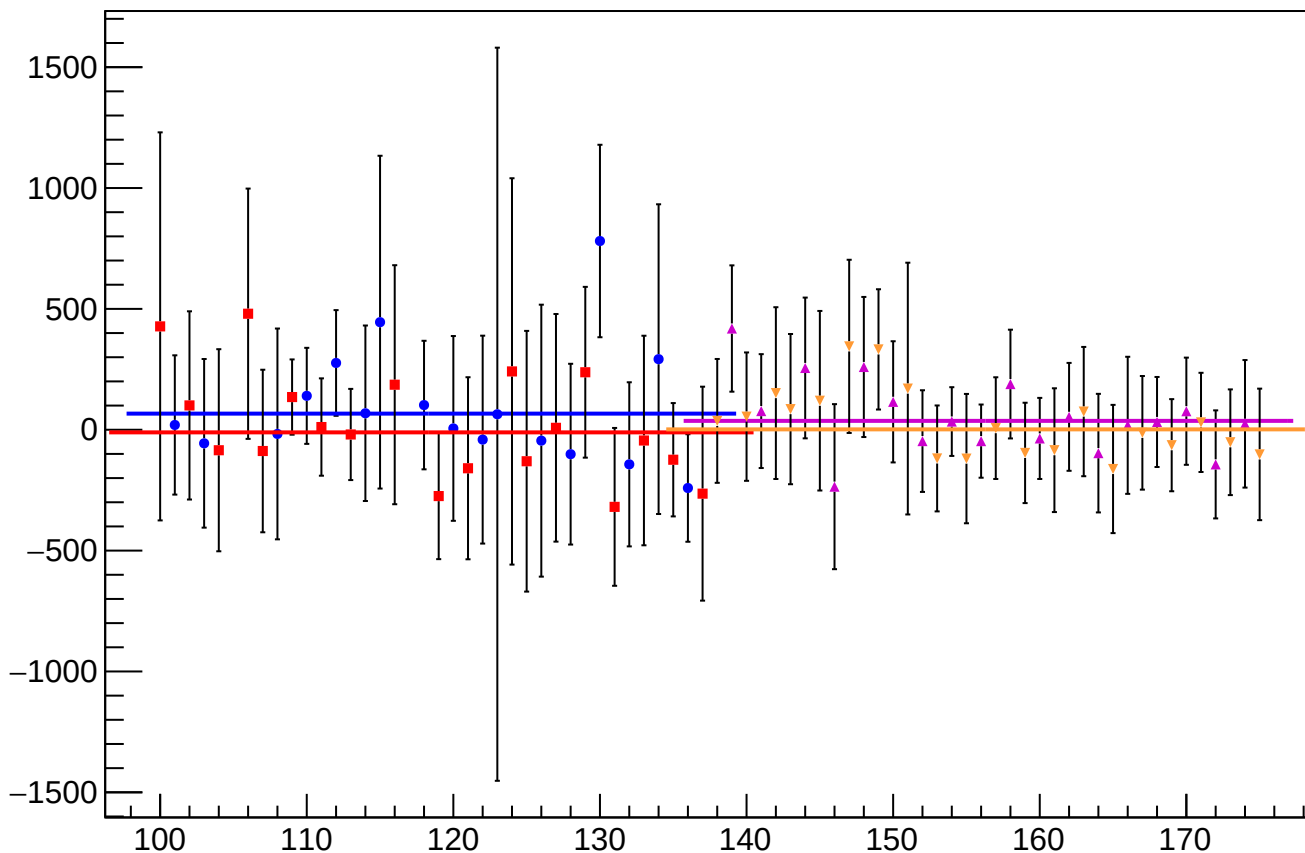
Right: 22.891 $\pm$ 0.004 χ^2 /NDF: 22559.6/35

In: 22.782 $\pm$ 0.004 χ^2 /NDF:24893.0/34

Out: 22.889 $\pm$ 0.003 χ^2 /NDF:23071.4/38

All: 22.837 $\pm$ 0.002 χ^2 /NDF: 48436.5/73

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: 1.550 $\pm$ 56.755 χ^2 /NDF: 4.8/19

Right Out: -10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

Left In: 36.725 $\pm$ 50.993 χ^2 /NDF: 6.2/17

Left: 21.013 $\pm$ 37.932 χ^2 /NDF: 11.2/37

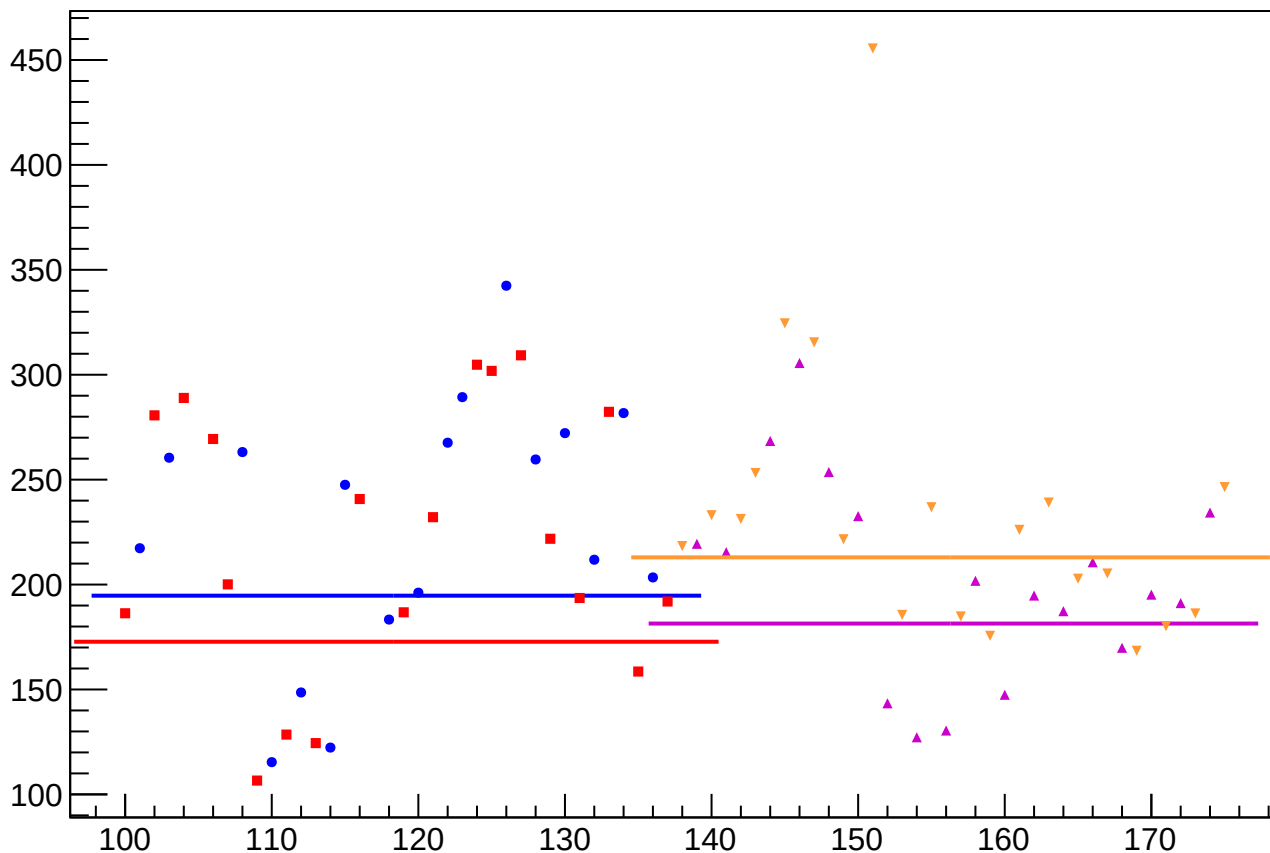
Right: 22.979 $\pm$ 52.843 χ^2 /NDF: 13.8/35

In: 45.386 $\pm$ 43.000 χ^2 /NDF: 13.8/34

Out: -3.344 $\pm$ 44.182 χ^2 /NDF: 10.6/38

All: 21.682 $\pm$ 30.815 χ^2 /NDF: 25.0/73

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 212.959 $\pm$ 0.040 χ^2 /NDF:1229031.1/19

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

Left In: 181.418 $\pm$ 0.036 χ^2 /NDF:1545240.2/17

Left: 195.507 $\pm$ 0.027 χ^2 /NDF: 3116046.4/37

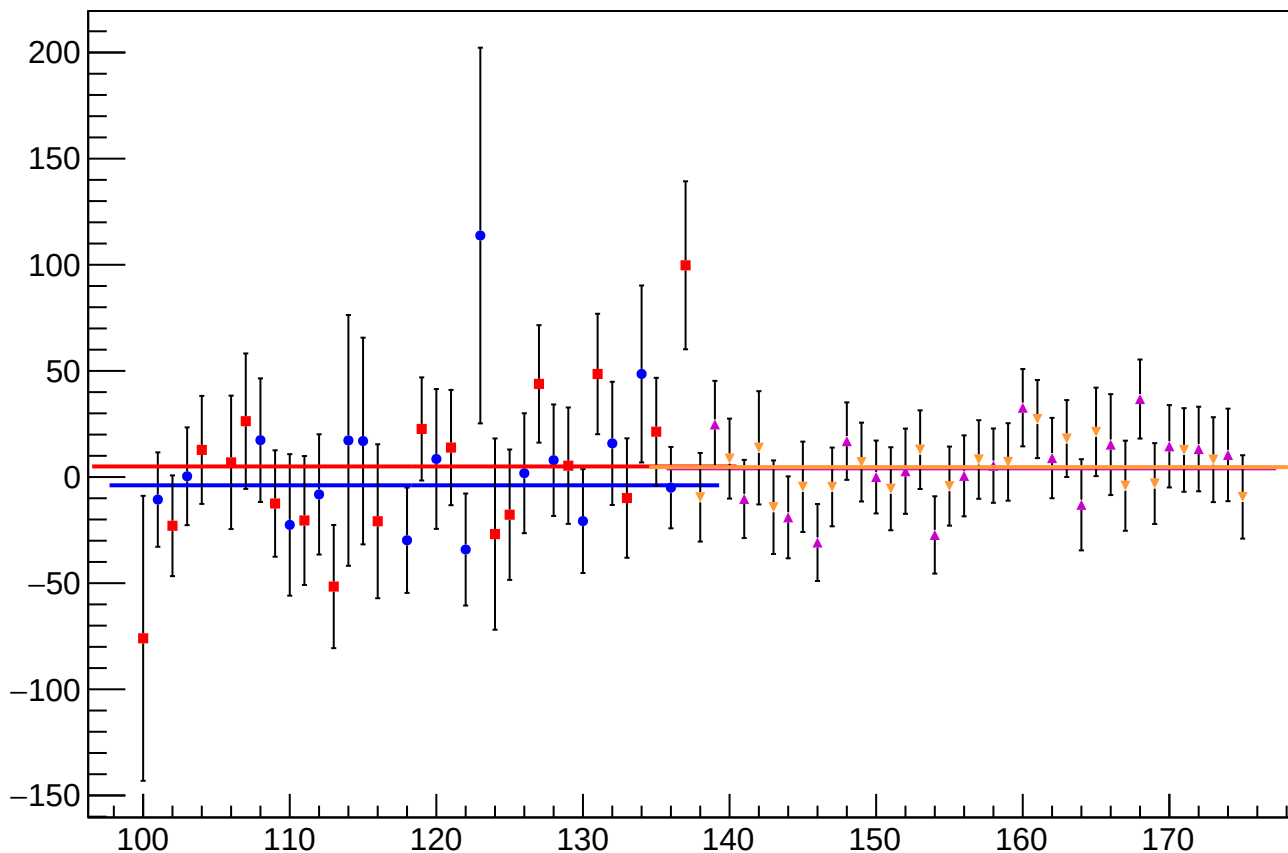
Right: 182.331 $\pm$ 0.037 χ^2 /NDF: 2701685.9/35

In: 185.257 $\pm$ 0.030 χ^2 /NDF:2604330.9/34

Out: 197.118 $\pm$ 0.031 χ^2 /NDF:3221433.1/38

All: 191.027 $\pm$ 0.022 χ^2 /NDF: 5899788.4/73

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 4.672 ± 4.391 χ^2/NDF : 6.3/19

Right Out: 4.985 ± 6.727 χ^2/NDF : 21.3/18

Left In: 4.095 ± 4.523 χ^2/NDF : 17.4/17

Left: 4.392 ± 3.151 χ^2/NDF : 23.7/37

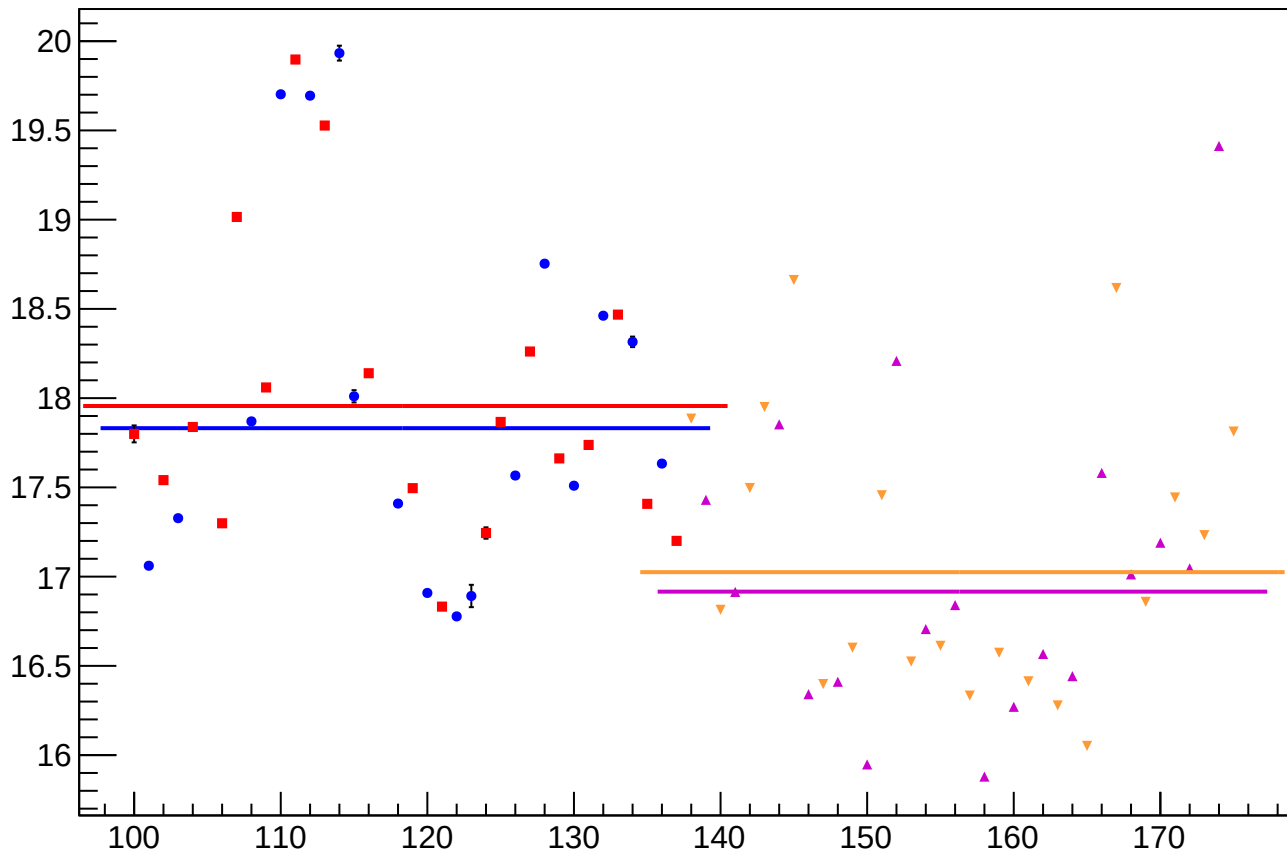
Right: 0.668 ± 4.822 χ^2/NDF : 30.6/35

In: 1.701 ± 3.785 χ^2/NDF : 26.7/34

Out: 4.766 ± 3.677 χ^2/NDF : 27.7/38

All: 3.278 ± 2.637 χ^2/NDF : 54.7/73

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 17.025 $\pm$ 0.003 χ^2 /NDF: 56077.0/19

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

Left In: 16.916 $\pm$ 0.003 χ^2 /NDF: 63995.8/17

Left: 16.972 $\pm$ 0.002 χ^2 /NDF: 120673.7/37

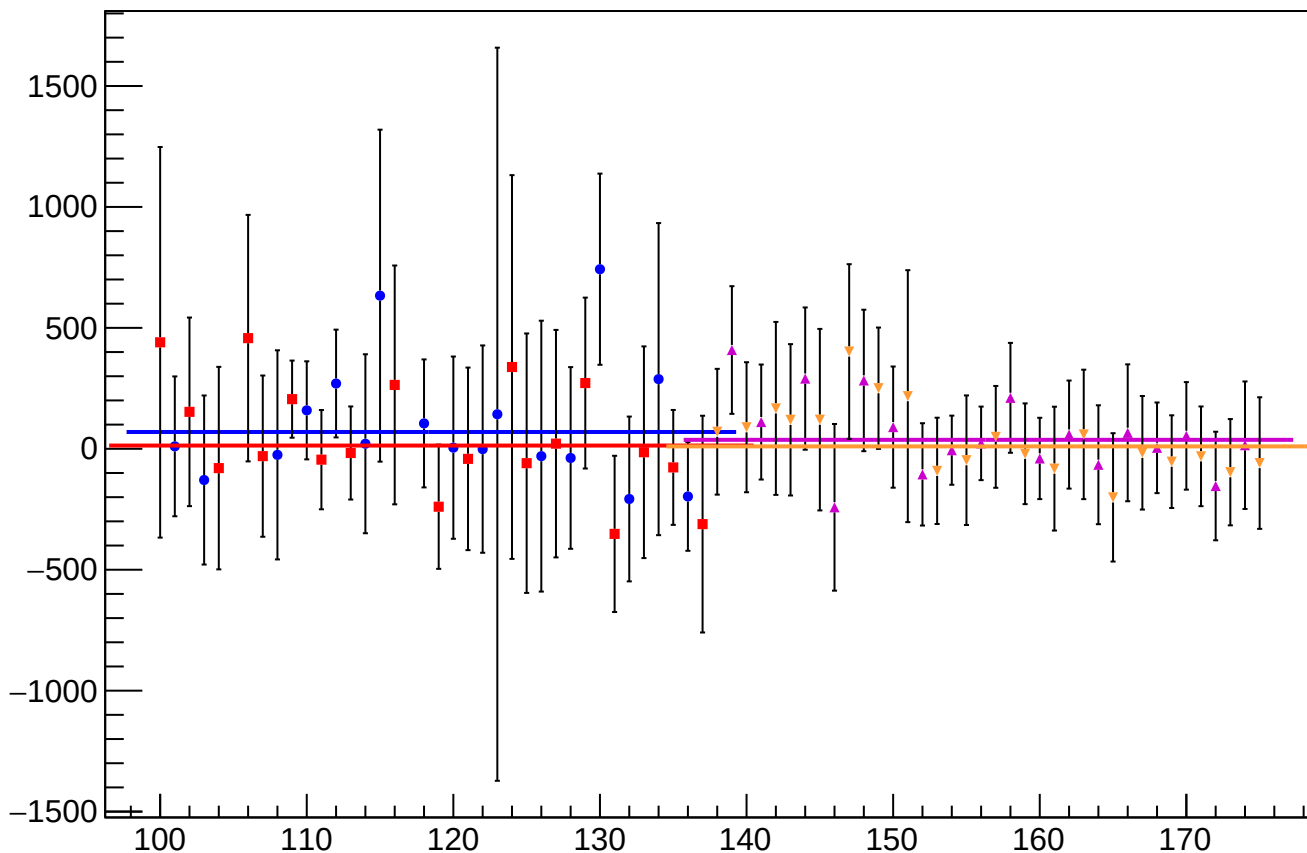
Right: 17.896 $\pm$ 0.003 χ^2 /NDF: 56643.8/35

In: 17.190 $\pm$ 0.003 χ^2 /NDF: 119430.9/34

Out: 17.303 $\pm$ 0.003 χ^2 /NDF: 108380.6/38

All: 17.248 $\pm$ 0.002 χ^2 /NDF: 228727.4/73

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 9.980 $\pm$ 56.993 χ^2 /NDF:4.4/19

Right Out: 13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

Left In: 37.103 $\pm$ 51.230 χ^2 /NDF:6.5/17

Left: 24.982 $\pm$ 38.100 χ^2 /NDF: 11.0/37

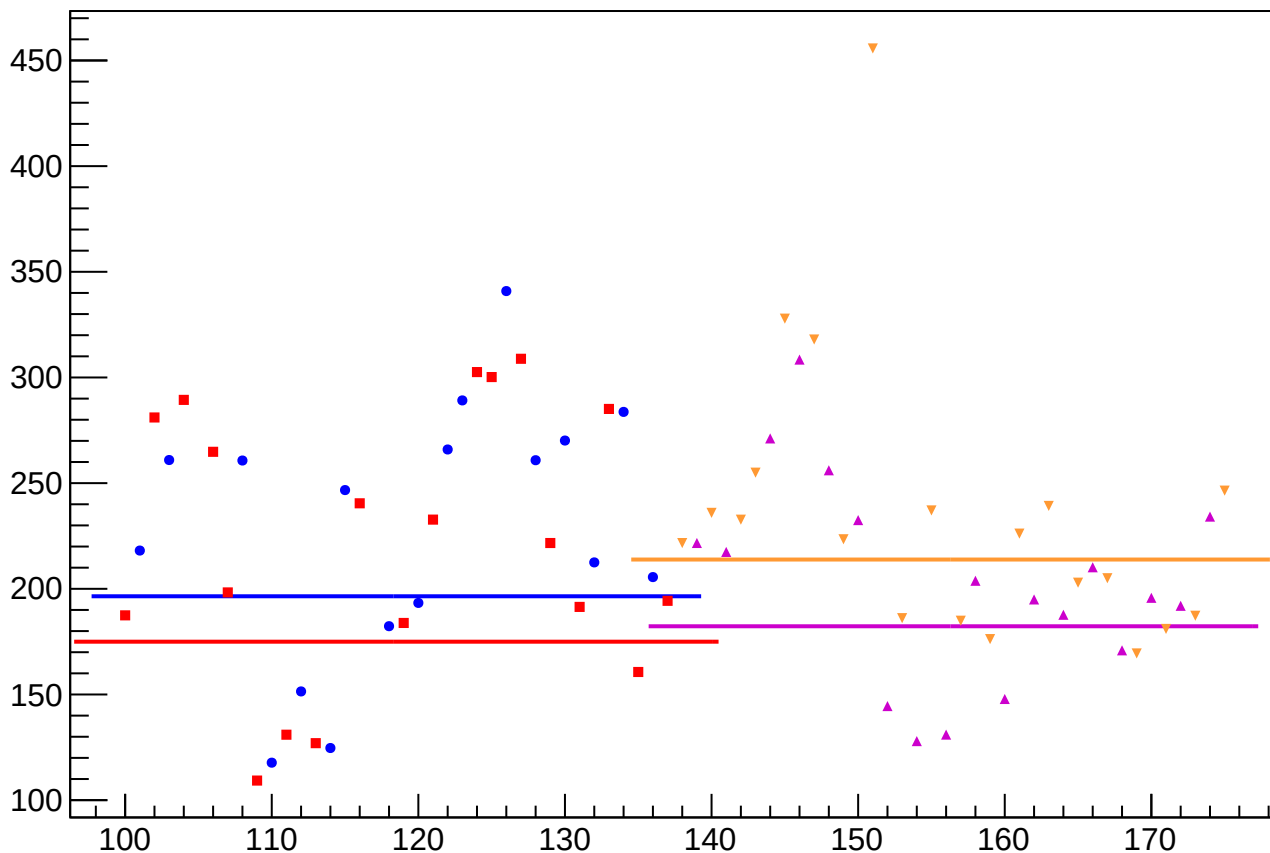
Right: 37.955 $\pm$ 53.280 χ^2 /NDF: 14.4/35

In: 46.437 $\pm$ 43.228 χ^2 /NDF:14.0/34

Out: 11.323 $\pm$ 44.455 χ^2 /NDF:11.1/38

All: 29.371 $\pm$ 30.992 χ^2 /NDF: 25.4/73

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 213.855 $\pm$ 0.040 χ^2 /NDF:1235520.6/19

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

Left In: 182.276 $\pm$ 0.036 χ^2 /NDF:1552039.0/17

Left: 196.389 $\pm$ 0.027 χ^2 /NDF: 3127171.0/37

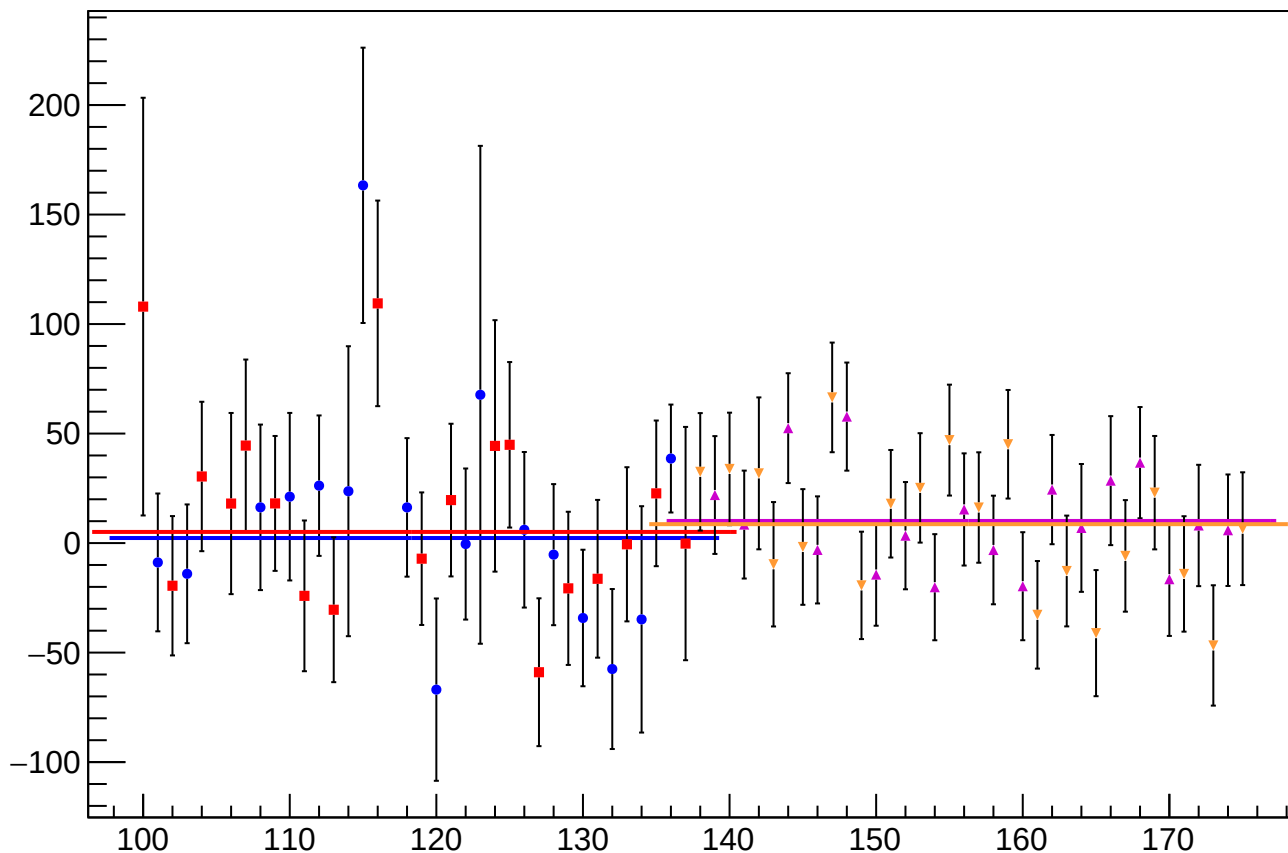
Right: 184.383 $\pm$ 0.038 χ^2 /NDF: 2555448.8/35

In: 186.364 $\pm$ 0.031 χ^2 /NDF:2560536.2/34

Out: 198.633 $\pm$ 0.031 χ^2 /NDF:3110983.8/38

All: 192.327 $\pm$ 0.022 χ^2 /NDF: 5749813.2/73

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: 8.637 ± 5.829 $\chi^2/\text{NDF}: 26.5/19$

Right Out: 5.089 ± 4.479 $\chi^2/\text{NDF}: 17.1/18$

Left In: 10.099 ± 6.002 $\chi^2/\text{NDF}: 14.5/17$

Left: 9.347 ± 4.182 $\chi^2/\text{NDF}: 41.1/37$

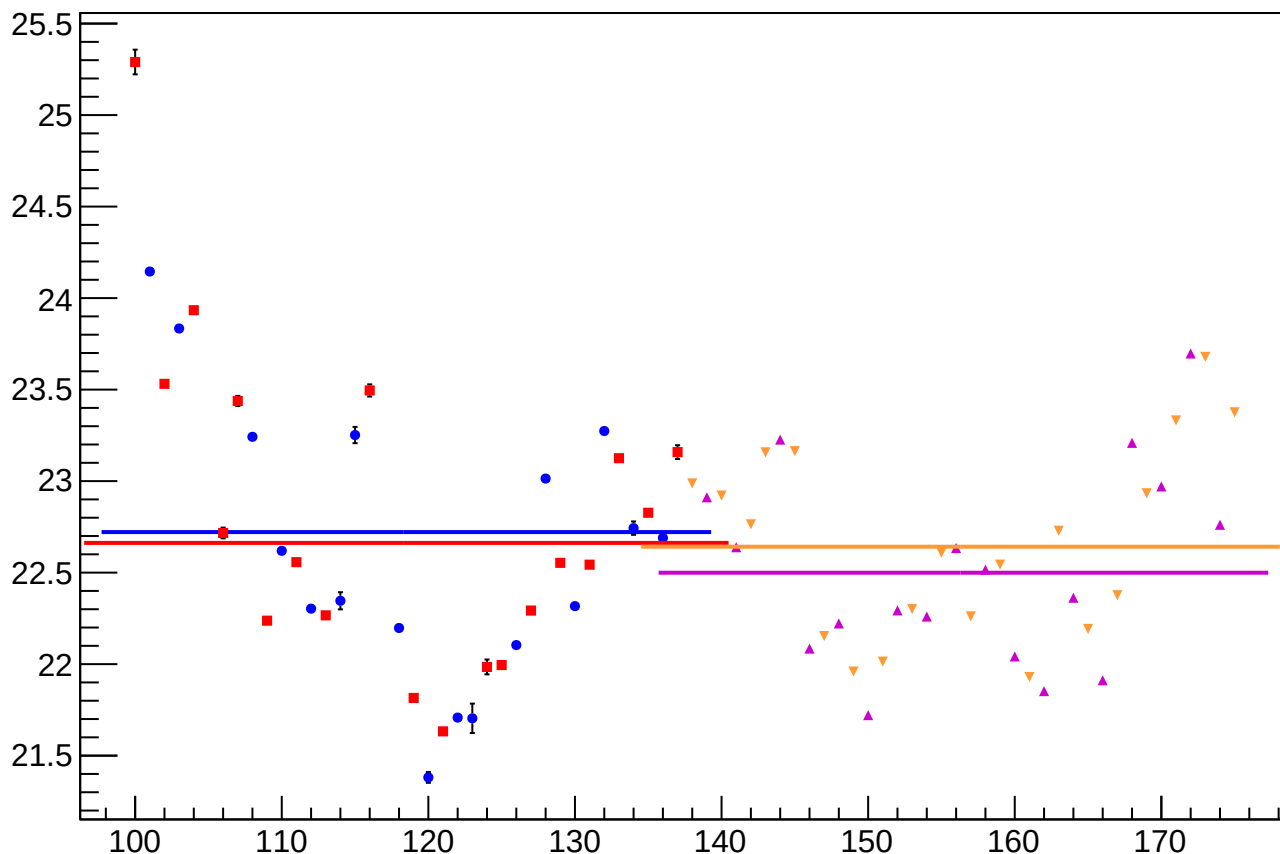
Right: 3.750 ± 6.108 $\chi^2/\text{NDF}: 35.3/35$

In: 7.627 ± 4.959 $\chi^2/\text{NDF}: 33.1/34$

Out: 7.498 ± 4.804 $\chi^2/\text{NDF}: 43.8/38$

All: 7.561 ± 3.450 $\chi^2/\text{NDF}: 77.0/73$

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: 22.642 $\pm$ 0.004 χ^2 /NDF:15028.0/19

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

Left In: 22.500 $\pm$ 0.004 χ^2 /NDF:14706.9/17

Left: 22.573 $\pm$ 0.003 χ^2 /NDF: 30312.0/37

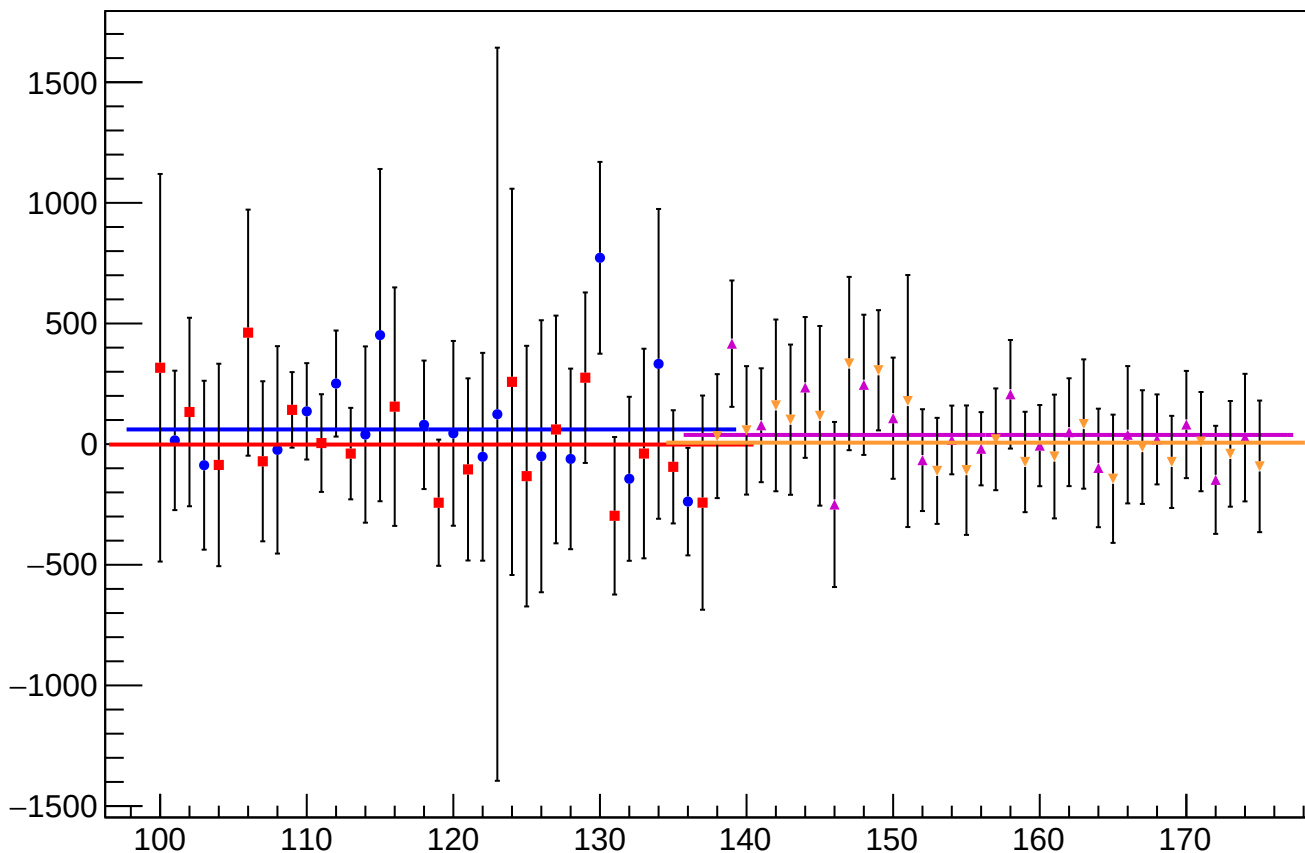
Right: 22.691 $\pm$ 0.004 χ^2 /NDF: 26582.8/35

In: 22.570 $\pm$ 0.004 χ^2 /NDF:29155.6/34

Out: 22.648 $\pm$ 0.003 χ^2 /NDF:27991.8/38

All: 22.610 $\pm$ 0.002 χ^2 /NDF: 57405.0/73

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: 6.074 $\pm$ 56.882 χ^2 /NDF:4.2/19

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

Left In: 38.159 $\pm$ 51.097 χ^2 /NDF:6.0/17

Left: 23.830 $\pm$ 38.012 χ^2 /NDF: 10.4/37

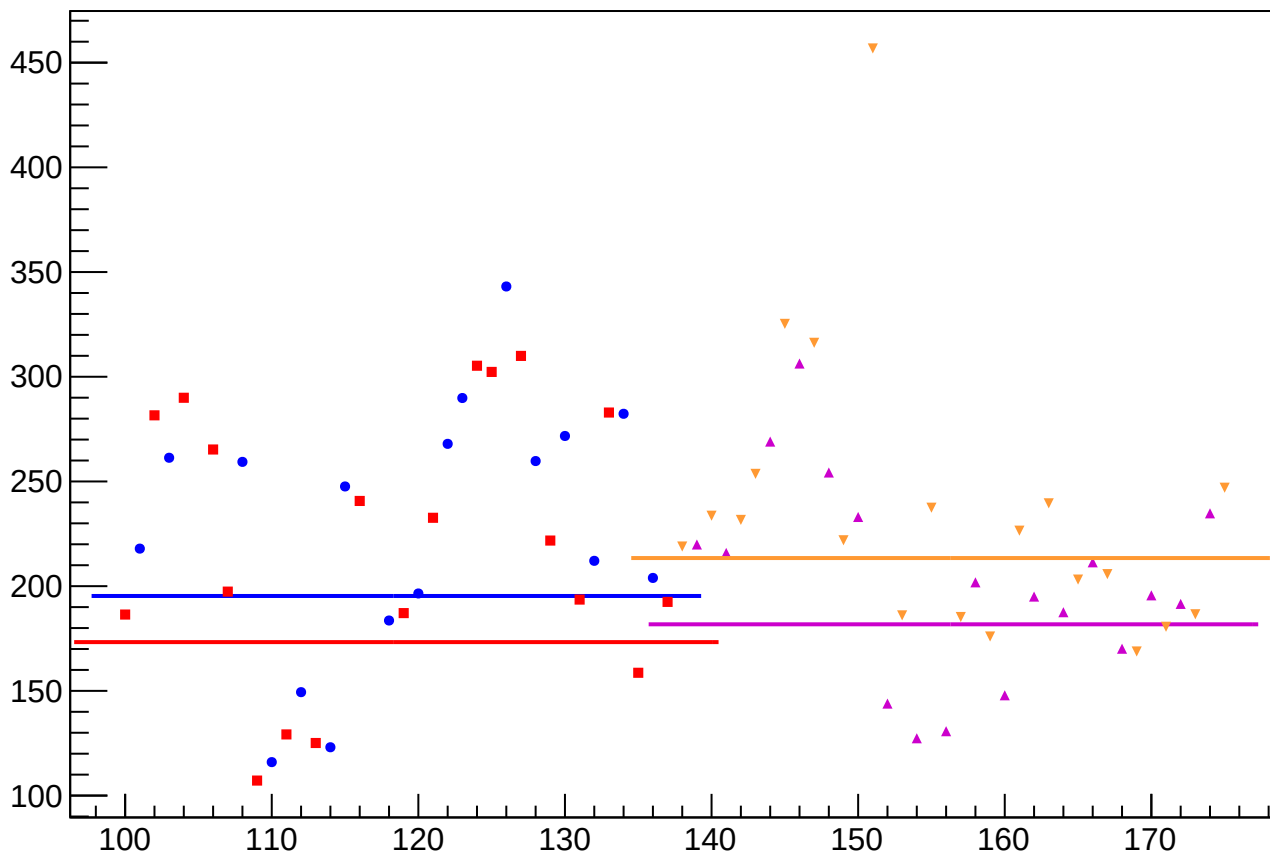
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 44.742 $\pm$ 43.093 χ^2 /NDF:13.2/34

Out: 3.032 $\pm$ 44.281 χ^2 /NDF:9.4/38

All: 24.454 $\pm$ 30.883 χ^2 /NDF: 23.1/73

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 213.430 $\pm$ 0.040 χ^2 /NDF:1229274.1/19

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

Left In: 181.785 $\pm$ 0.036 χ^2 /NDF:1545093.5/17

Left: 195.917 $\pm$ 0.027 χ^2 /NDF: 3116939.2/37

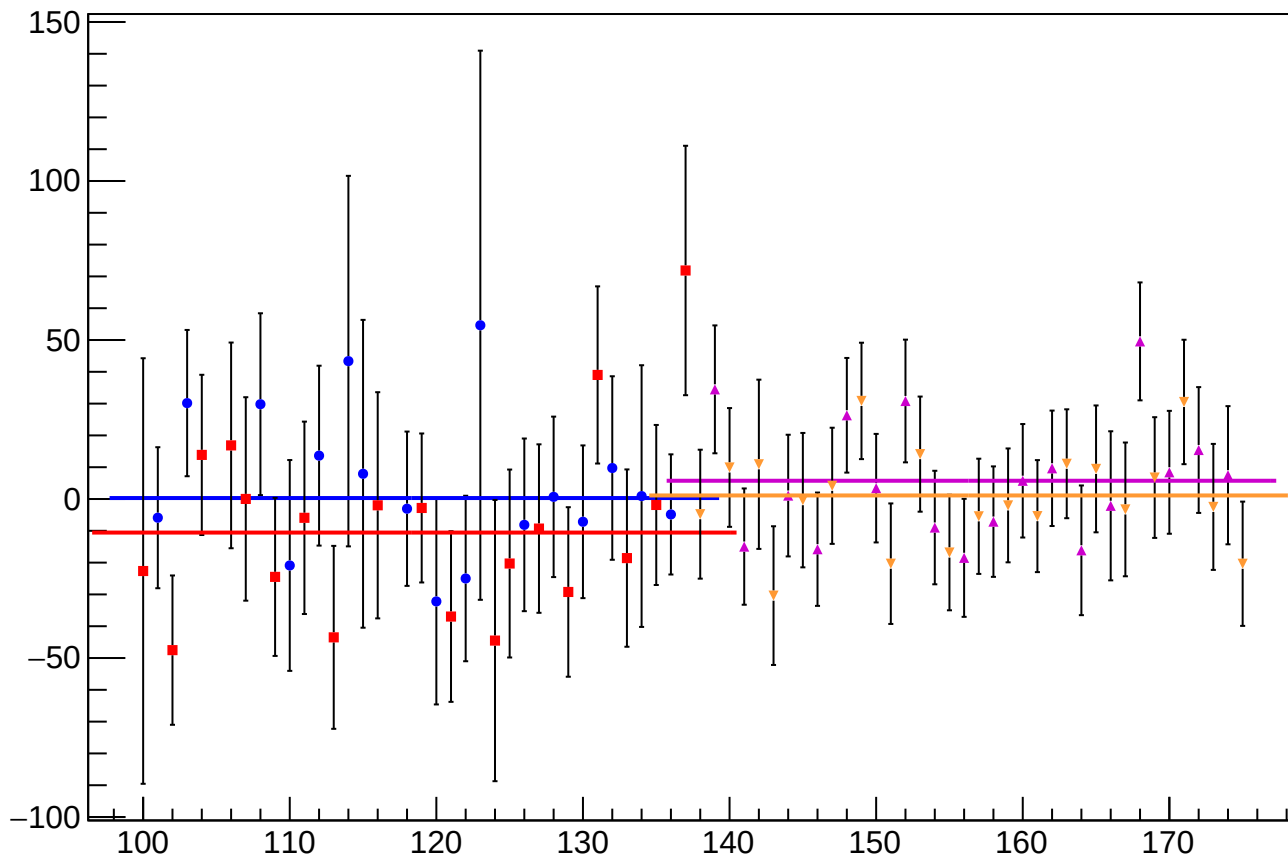
Right: 182.896 $\pm$ 0.037 χ^2 /NDF: 2667678.3/35

In: 185.692 $\pm$ 0.030 χ^2 /NDF:2589799.0/34

Out: 197.614 $\pm$ 0.031 χ^2 /NDF:3200124.8/38

All: 191.491 $\pm$ 0.022 χ^2 /NDF: 5864386.9/73

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: 1.121 ± 4.302 χ^2/NDF : 12.4/19

Right Out: -10.553 ± 6.628 χ^2/NDF : 16.0/18

Left In: 5.743 ± 4.447 χ^2/NDF : 18.0/17

Left: 3.355 ± 3.092 χ^2/NDF : 30.9/37

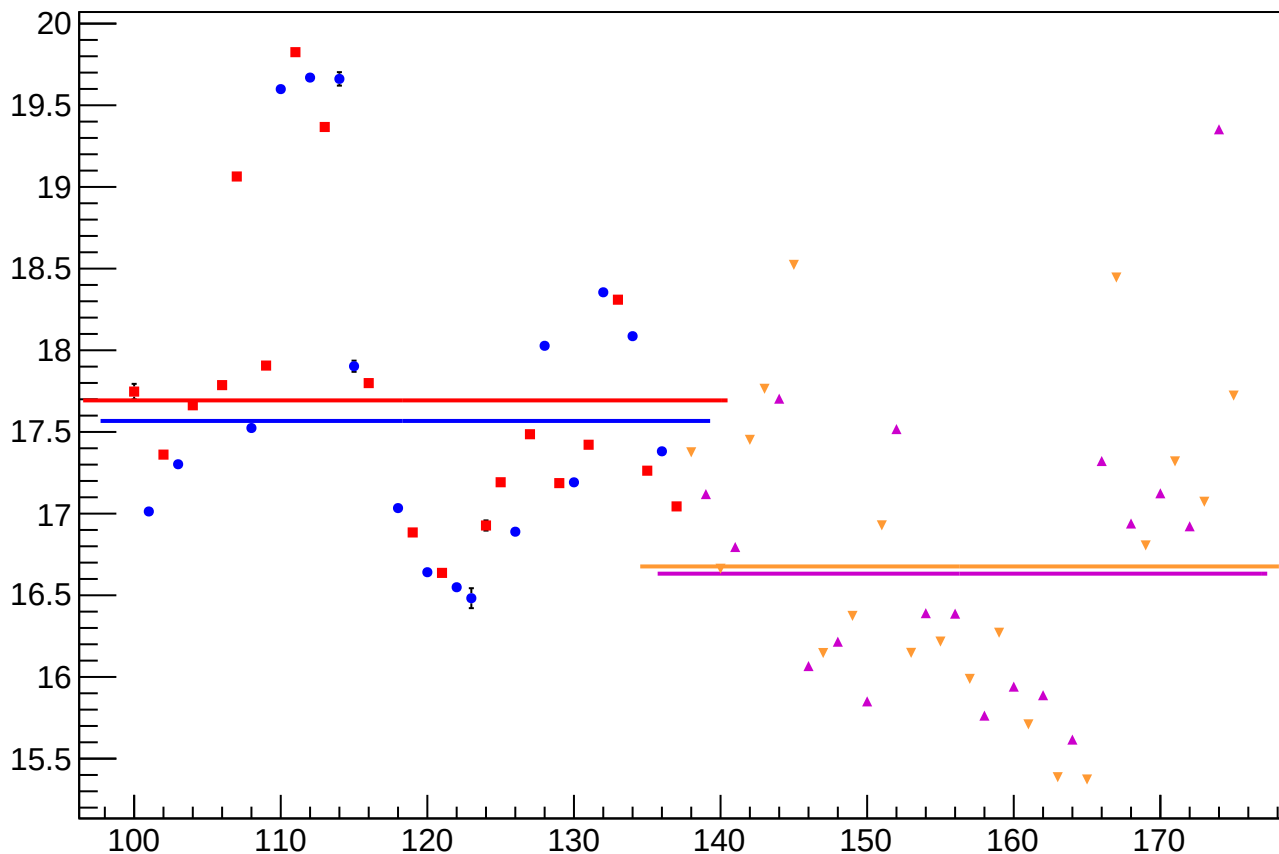
Right: -5.273 ± 4.751 χ^2/NDF : 24.1/35

In: 4.118 ± 3.724 χ^2/NDF : 25.2/34

Out: -2.339 ± 3.608 χ^2/NDF : 30.6/38

All: 0.788 ± 2.591 χ^2/NDF : 57.4/73

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: 16.677 $\pm$ 0.003 χ^2 /NDF: 82680.8/19

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.632 $\pm$ 0.003 χ^2 /NDF: 71520.3/17

Left: 16.655 $\pm$ 0.002 χ^2 /NDF: 154303.2/37

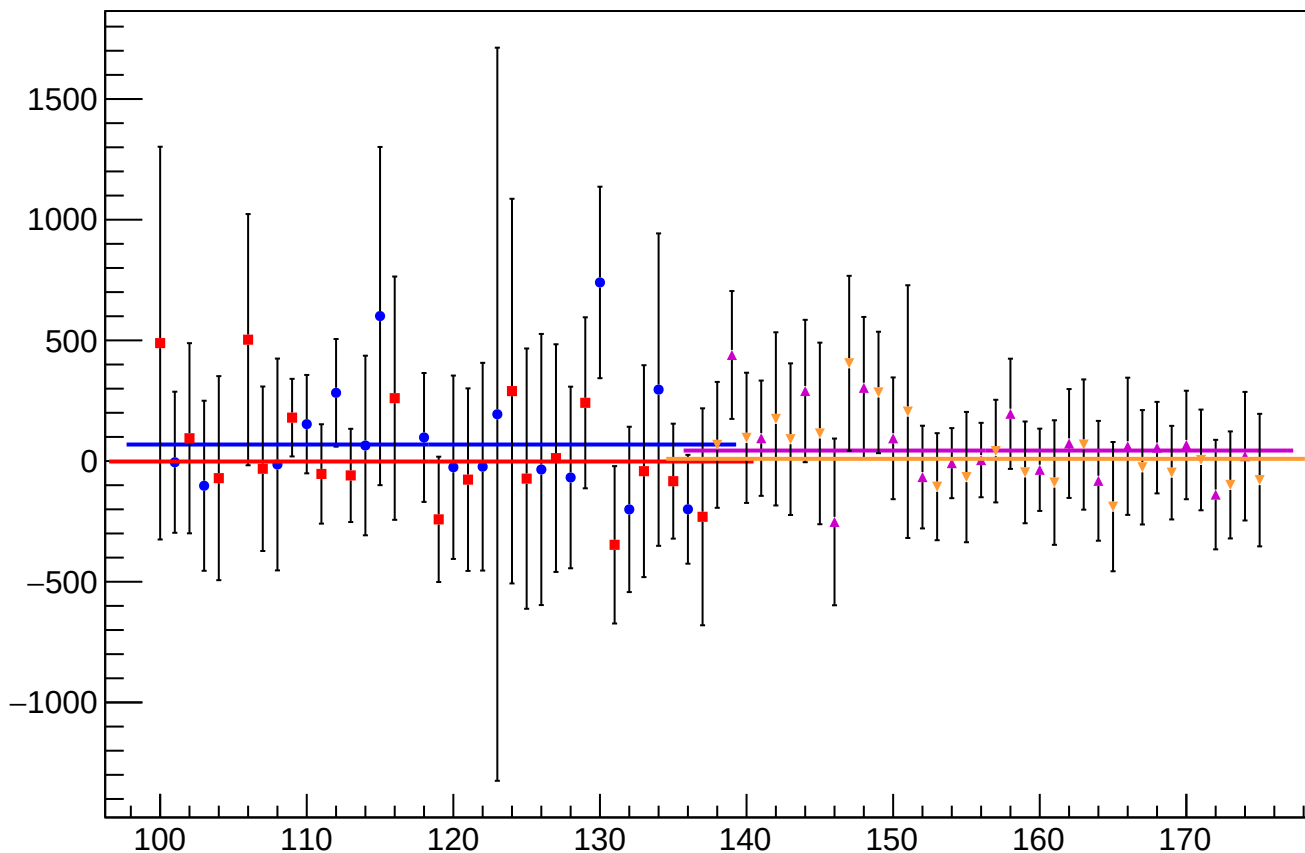
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.912 $\pm$ 0.003 χ^2 /NDF: 131083.5/34

Out: 16.978 $\pm$ 0.003 χ^2 /NDF: 146553.8/38

All: 16.946 $\pm$ 0.002 χ^2 /NDF: 277962.8/73

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 9.241 $\pm$ 57.463 χ^2 /NDF:4.7/19

Right Out: -1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

Left In: 43.589 $\pm$ 51.738 χ^2 /NDF:6.6/17

Left: 28.211 $\pm$ 38.449 χ^2 /NDF: 11.5/37

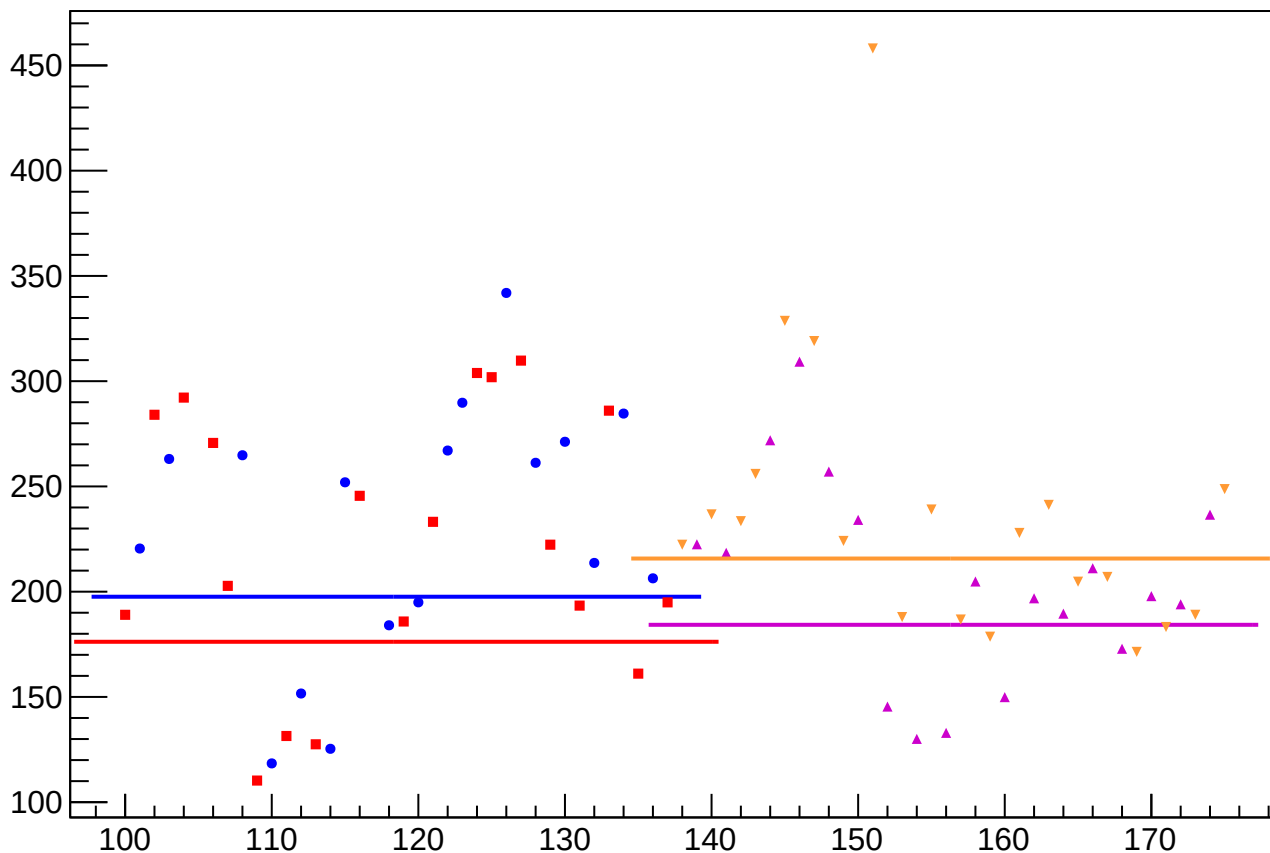
Right: 29.004 $\pm$ 53.625 χ^2 /NDF: 13.9/35

In: 50.820 $\pm$ 43.605 χ^2 /NDF:14.0/34

Out: 4.899 $\pm$ 44.800 χ^2 /NDF:10.8/38

All: 28.480 $\pm$ 31.247 χ^2 /NDF: 25.3/73

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 215.748 $\pm$ 0.041 χ^2 /NDF:1209337.1/19

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

Left In: 184.263 $\pm$ 0.037 χ^2 /NDF:1507144.0/17

Left: 198.359 $\pm$ 0.027 χ^2 /NDF: 3048096.6/37

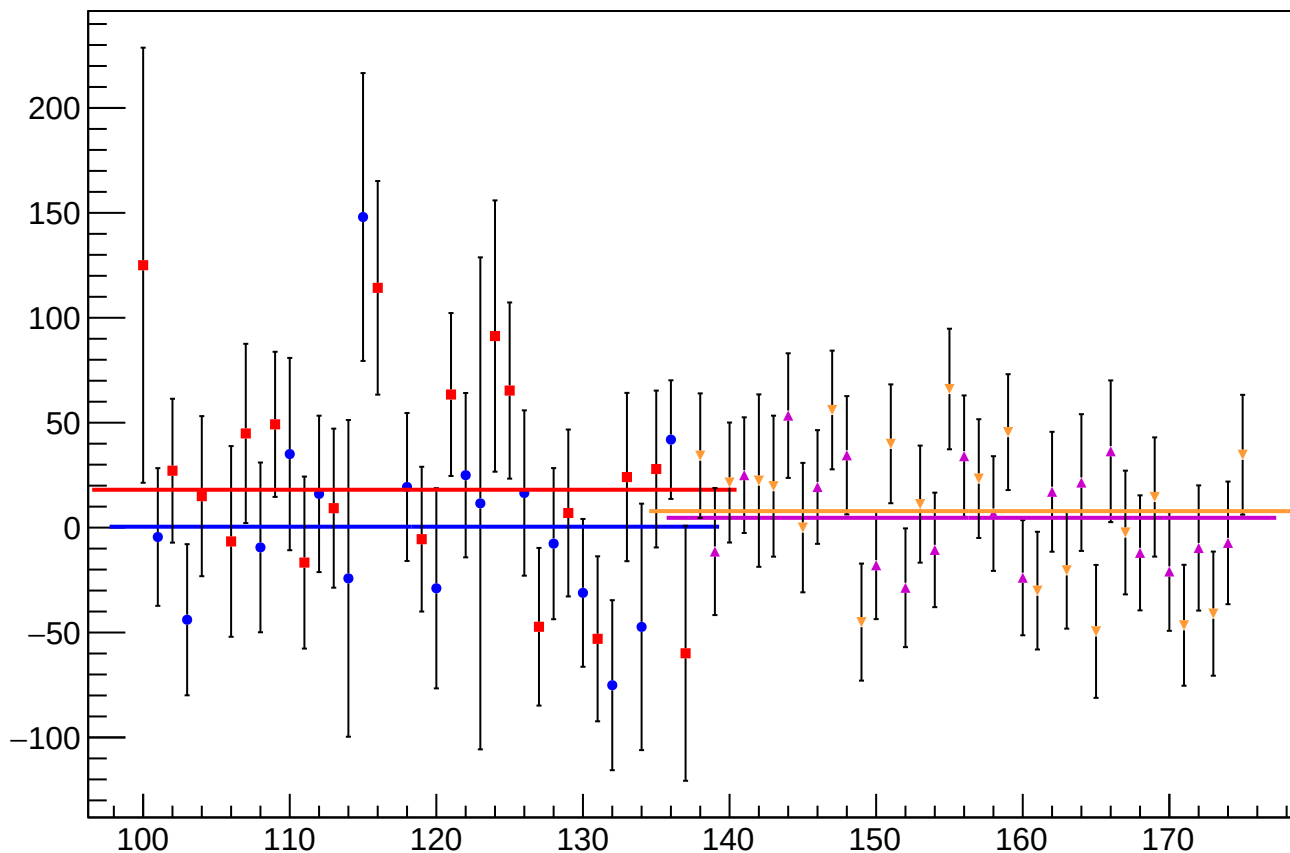
Right: 185.577 $\pm$ 0.038 χ^2 /NDF: 2567082.7/35

In: 188.127 $\pm$ 0.031 χ^2 /NDF:2514489.6/34

Out: 200.239 $\pm$ 0.032 χ^2 /NDF:3100674.6/38

All: 194.019 $\pm$ 0.022 χ^2 /NDF: 5690228.4/73

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 $\pm$ 9.884 χ^2 /NDF: 15.5/16

Left Out: 7.847 $\pm$ 6.558 χ^2 /NDF:28.9/19

Right Out: 18.044 $\pm$ 9.499 χ^2 /NDF: 19.5/18

Left In: 4.663 $\pm$ 6.735 χ^2 /NDF:12.4/17

Left: 6.297 $\pm$ 4.698 χ^2 /NDF: 41.4/37

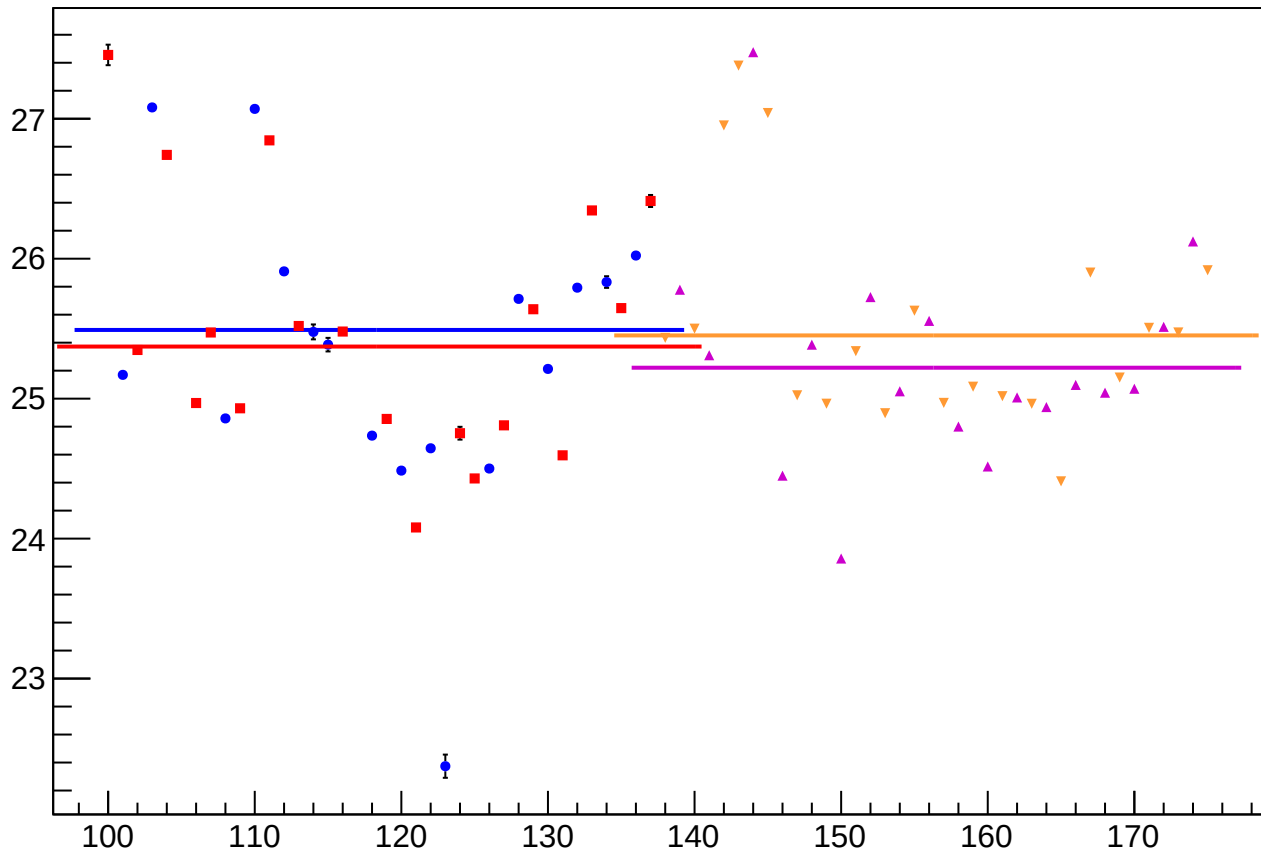
Right: 9.585 $\pm$ 6.849 χ^2 /NDF: 36.6/35

In: 3.320 $\pm$ 5.566 χ^2 /NDF:28.0/34

Out: 11.139 $\pm$ 5.397 χ^2 /NDF:49.1/38

All: 7.350 $\pm$ 3.874 χ^2 /NDF: 78.2/73

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.452 $\pm$ 0.005 χ^2 /NDF:21959.2/19

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

Left In: 25.221 $\pm$ 0.005 χ^2 /NDF:24855.4/17

Left: 25.339 $\pm$ 0.003 χ^2 /NDF: 48020.0/37

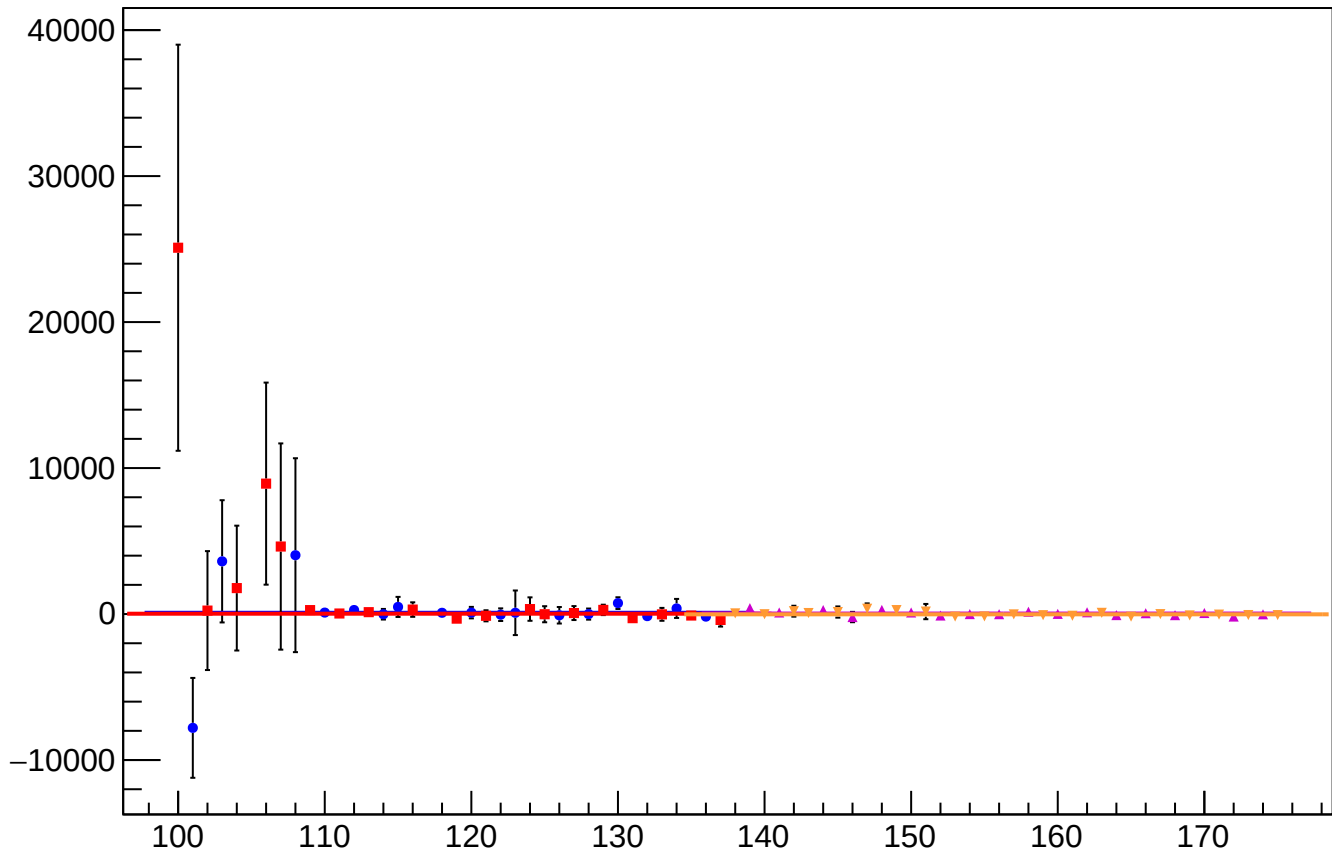
Right: 25.429 $\pm$ 0.005 χ^2 /NDF: 27413.4/35

In: 25.307 $\pm$ 0.004 χ^2 /NDF:39586.6/34

Out: 25.426 $\pm$ 0.004 χ^2 /NDF:35604.8/38

All: 25.368 $\pm$ 0.003 χ^2 /NDF: 75666.8/73

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: -18.798+/-57.832 χ^2/NDF : 4.8/19

Right Out: 23.352+/-80.948 χ^2/NDF : 11.9/18

Left In: 35.487+/-52.275 χ^2/NDF : 6.4/17

Left: 11.078+/-38.780 χ^2/NDF : 11.6/37

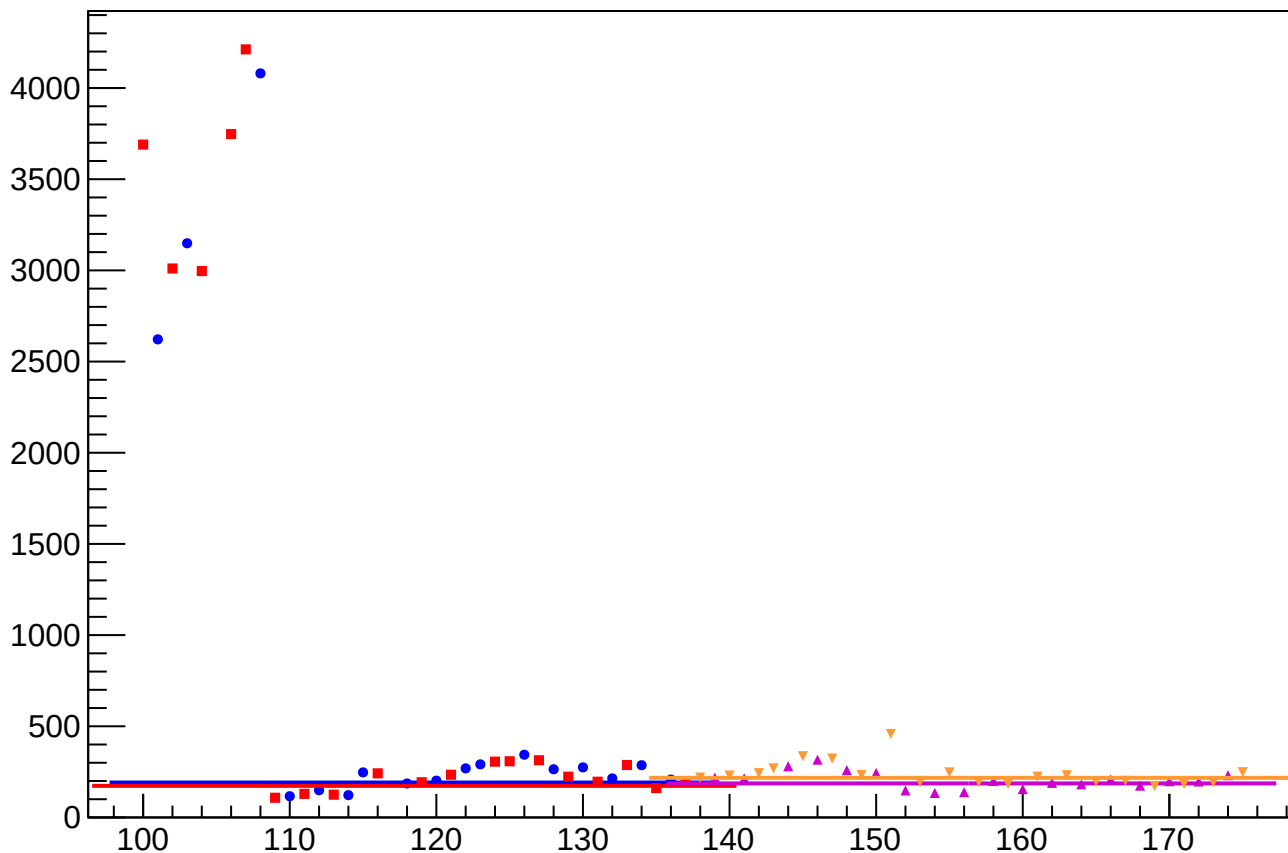
Right: 52.171+/-59.707 χ^2/NDF : 24.7/35

In: 48.714+/-44.999 χ^2/NDF : 19.1/34

Out: -4.554+/-47.057 χ^2/NDF : 16.9/38

All: 23.270+/-32.522 χ^2/NDF : 36.7/73

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: 217.259+/-0.041 χ^2/NDF :1202149.5/19

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

Left In: 186.699+/-0.037 χ^2/NDF :1381762.1/17

Left: 200.440+/-0.027 χ^2/NDF : 2891264.8/37

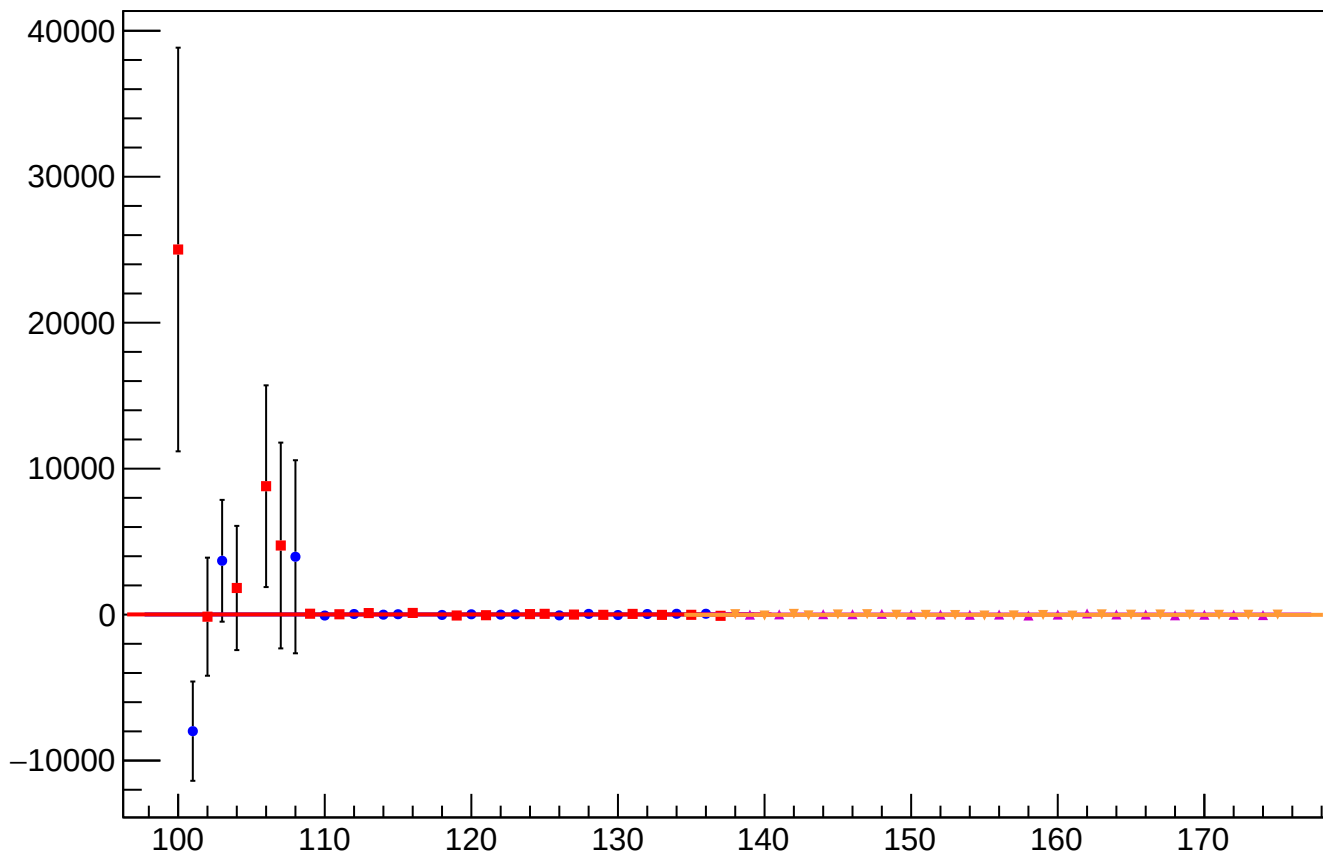
Right: 181.587+/-0.042 χ^2/NDF : 7826577.3/35

In: 187.937+/-0.032 χ^2/NDF :4959245.8/34

Out: 202.403+/-0.033 χ^2/NDF :5800112.0/38

All: 194.847+/-0.023 χ^2/NDF : 10858091.5/73

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: -15.748+/-7.451 χ^2/NDF : 17.0/19

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: 4.459+/-7.689 χ^2/NDF : 19.1/17

Left: -5.963+/-5.351 χ^2/NDF : 39.6/37

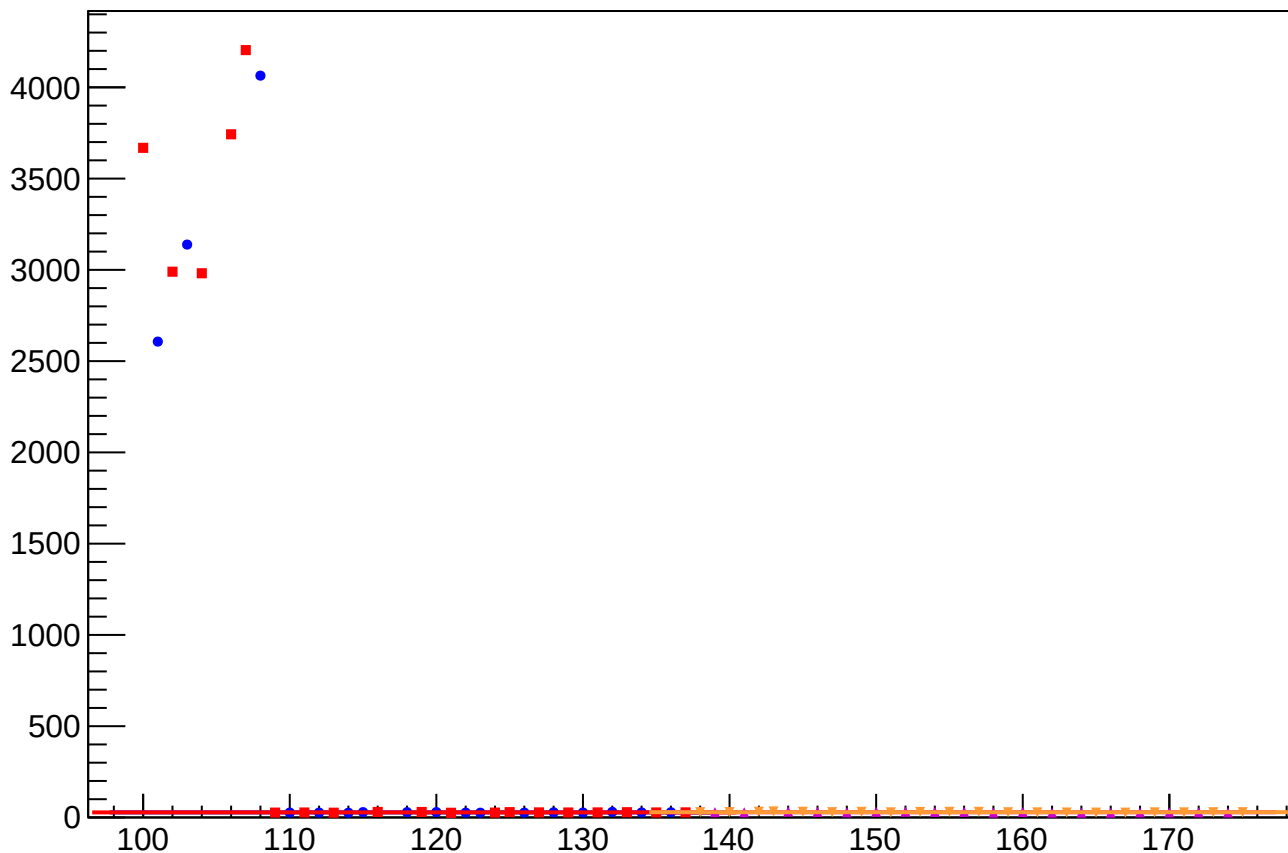
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 6.100+/-6.517 χ^2/NDF : 37.6/34

Out: -8.058+/-6.363 χ^2/NDF : 45.7/38

All: -1.149+/-4.553 χ^2/NDF : 85.7/73

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: 28.862+/-0.005 χ^2/NDF : 96656.3/19

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

Left In: 28.723+/-0.005 χ^2/NDF : 115945.1/17

Left: 28.795+/-0.004 χ^2/NDF : 212942.6/37

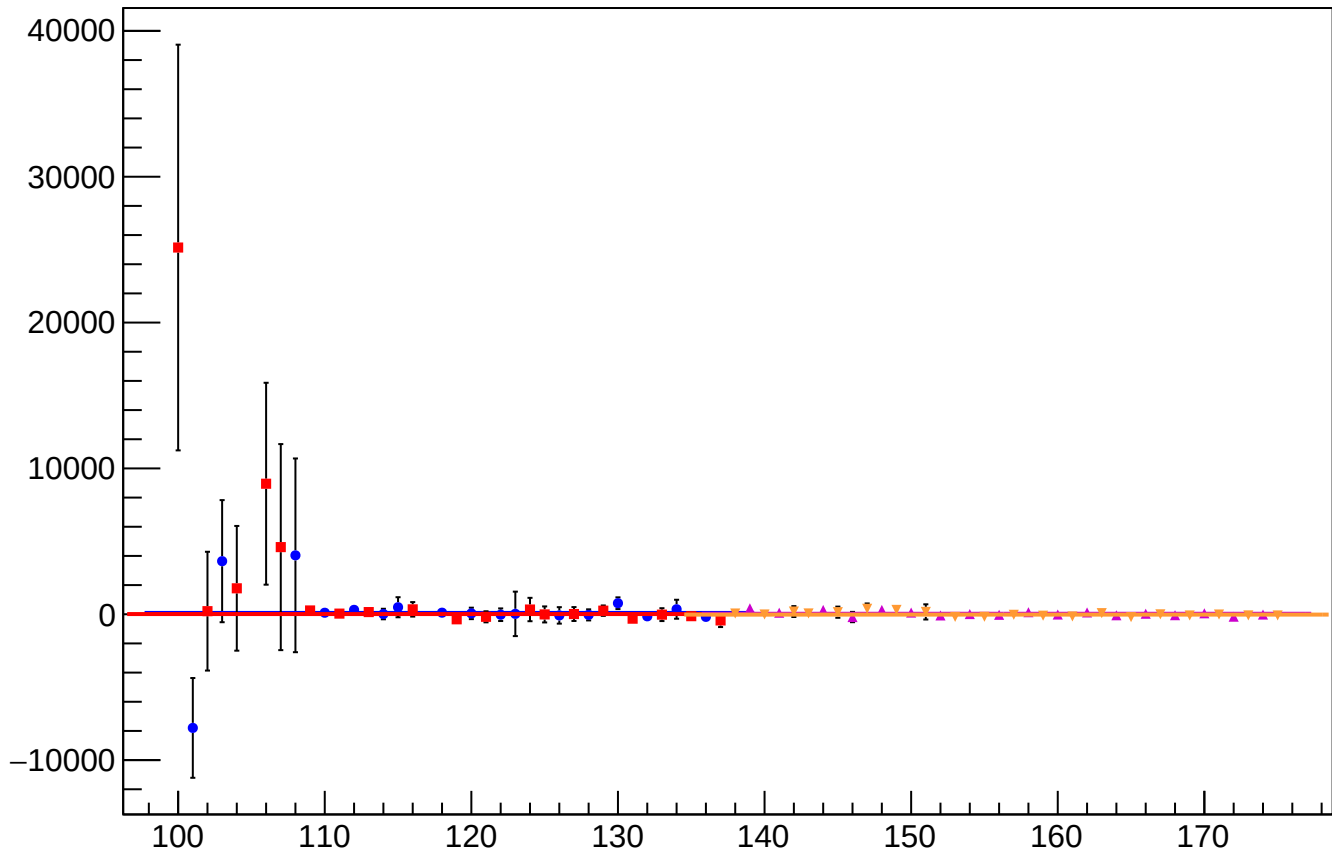
Right: 27.774+/-0.006 χ^2/NDF : 6504689.9/35

In: 28.478+/-0.005 χ^2/NDF : 3150786.9/34

Out: 28.546+/-0.004 χ^2/NDF : 3586803.2/38

All: 28.513+/-0.003 χ^2/NDF : 6737702.4/73

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: -23.480+/-57.707 χ^2/NDF : 5.4/19

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: 34.127+/-52.173 χ^2/NDF : 6.4/17

Left: 8.218+/-38.701 χ^2/NDF : 12.4/37

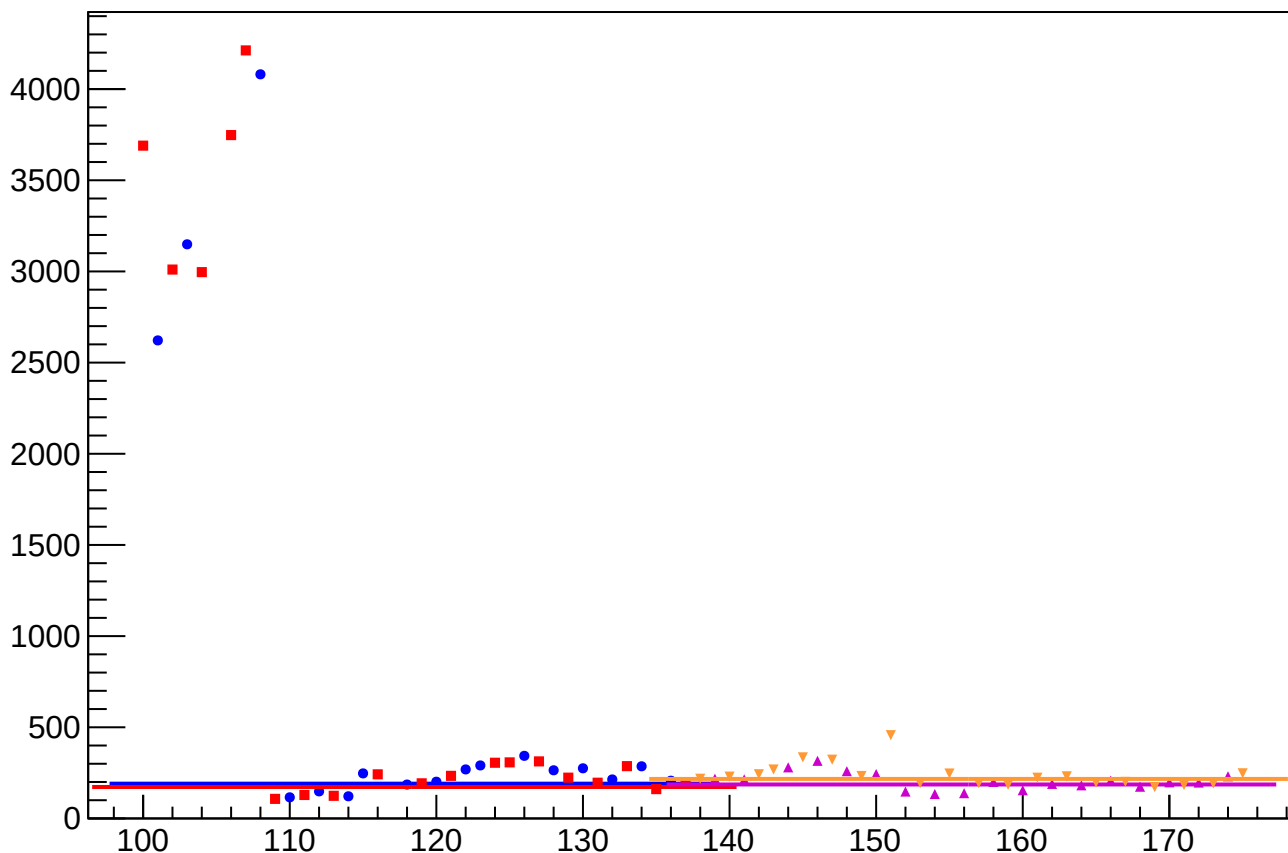
Right: 48.642+/-59.518 χ^2/NDF : 25.9/35

In: 48.822+/-44.898 χ^2/NDF : 19.5/34

Out: -11.019+/-46.938 χ^2/NDF : 18.2/38

All: 20.230+/-32.445 χ^2/NDF : 38.6/73

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 216.794 $\pm$ 0.041 χ^2 /NDF:1201757.5/19

Right Out: 172.629 $\pm$ 0.057 χ^2 /NDF: 4218625.1/18

Left In: 186.337 $\pm$ 0.037 χ^2 /NDF:1381459.7/17

Left: 200.035 $\pm$ 0.027 χ^2 /NDF: 2889748.6/37

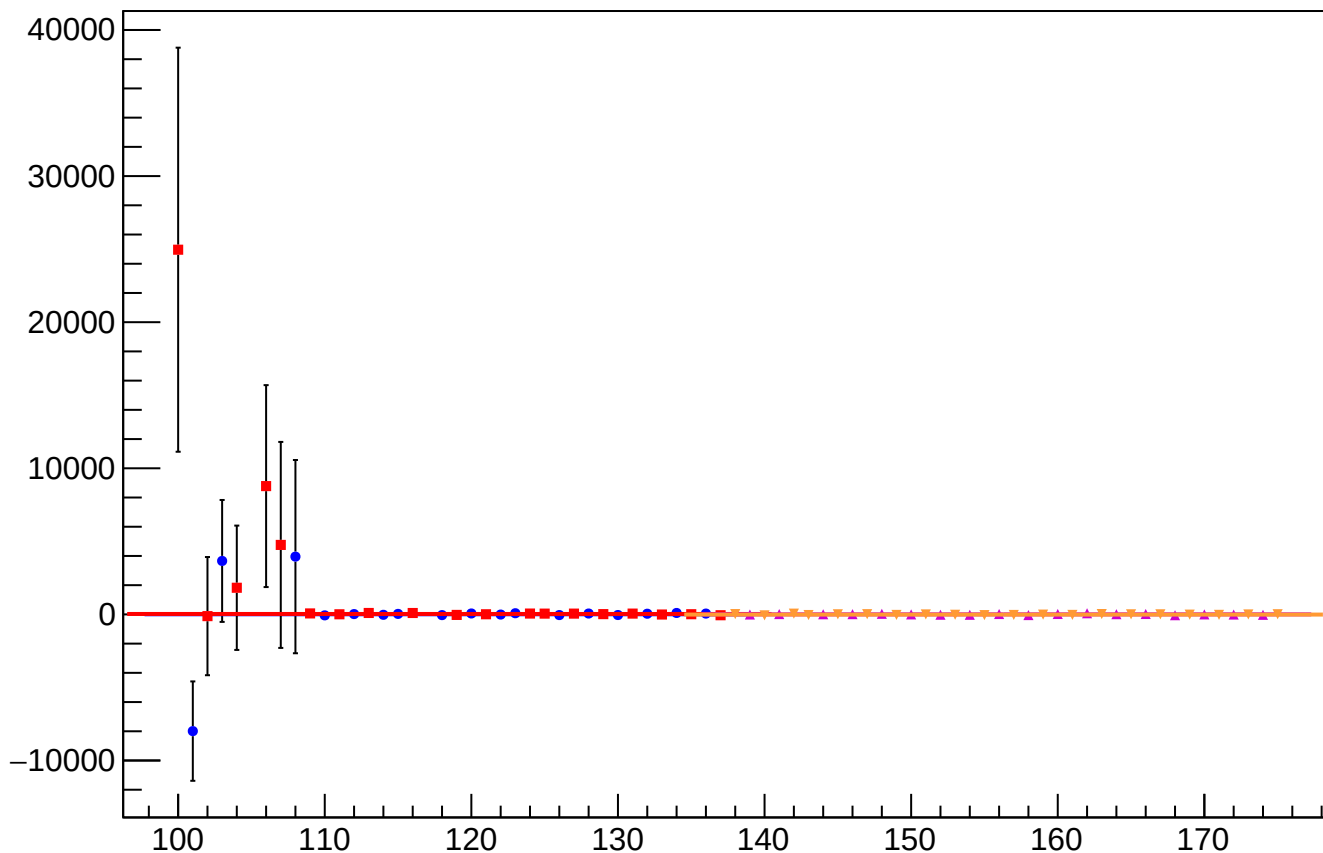
Right: 180.899 $\pm$ 0.042 χ^2 /NDF: 7849745.6/35

In: 187.487 $\pm$ 0.032 χ^2 /NDF:4970238.2/34

Out: 201.848 $\pm$ 0.033 χ^2 /NDF:5816805.1/38

All: 194.349 $\pm$ 0.023 χ^2 /NDF: 10884804.3/73

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600+/-12.368 χ^2/NDF : 23.2/16

Left Out: -11.835+/-7.500 χ^2/NDF : 12.4/19

Right Out: 29.397+/-12.333 χ^2/NDF : 16.8/18

Left In: 3.616+/-7.731 χ^2/NDF : 18.8/17

Left: -4.344+/-5.383 χ^2/NDF : 33.2/37

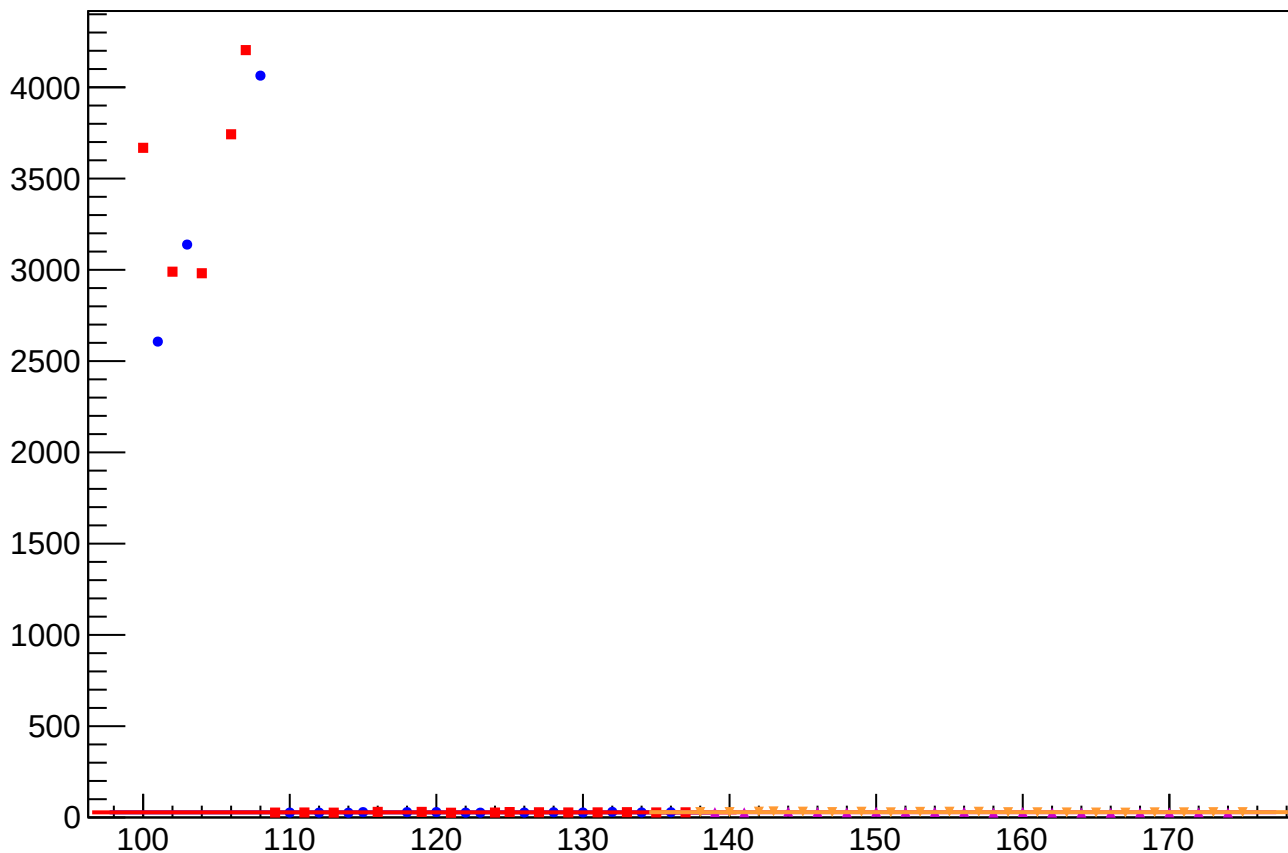
Right: 19.027+/-8.733 χ^2/NDF : 41.4/35

In: 5.016+/-6.555 χ^2/NDF : 42.1/34

Out: -0.704+/-6.408 χ^2/NDF : 37.4/38

All: 2.091+/-4.582 χ^2/NDF : 79.8/73

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: 29.049+/-0.005 χ^2/NDF :102338.4/19

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

Left In: 28.878+/-0.005 χ^2/NDF :118623.9/17

Left: 28.966+/-0.004 χ^2/NDF : 221464.9/37

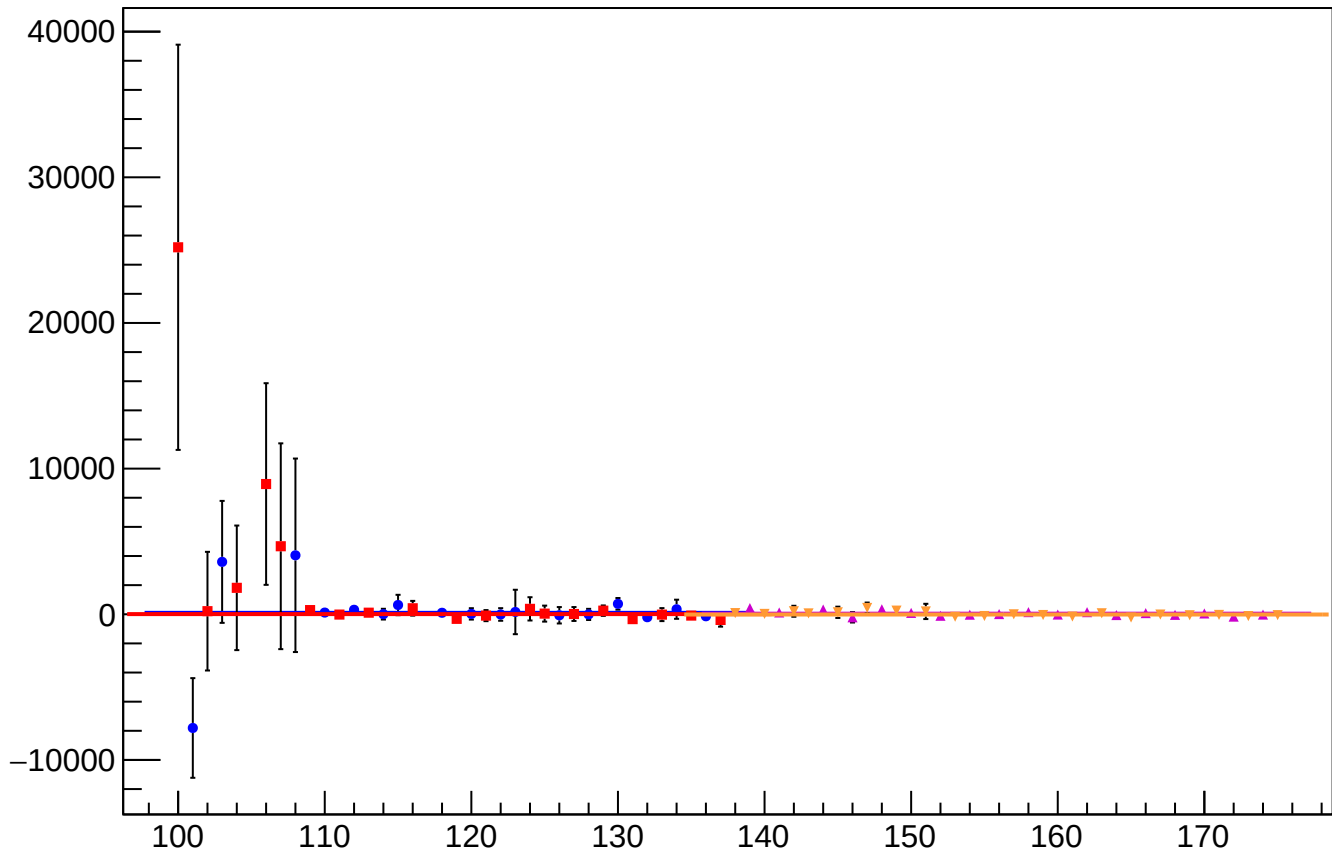
Right: 27.981+/-0.006 χ^2/NDF : 6507693.6/35

In: 28.643+/-0.005 χ^2/NDF :3153060.9/34

Out: 28.743+/-0.005 χ^2/NDF :3594300.1/38

All: 28.695+/-0.003 χ^2/NDF : 6747598.0/73

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: -16.107+/-58.392 χ^2/NDF : 5.3/19

Right Out: 11.728+/-81.772 χ^2/NDF : 12.3/18

Left In: 41.444+/-52.895 χ^2/NDF : 7.0/17

Left: 15.504+/-39.202 χ^2/NDF : 12.9/37

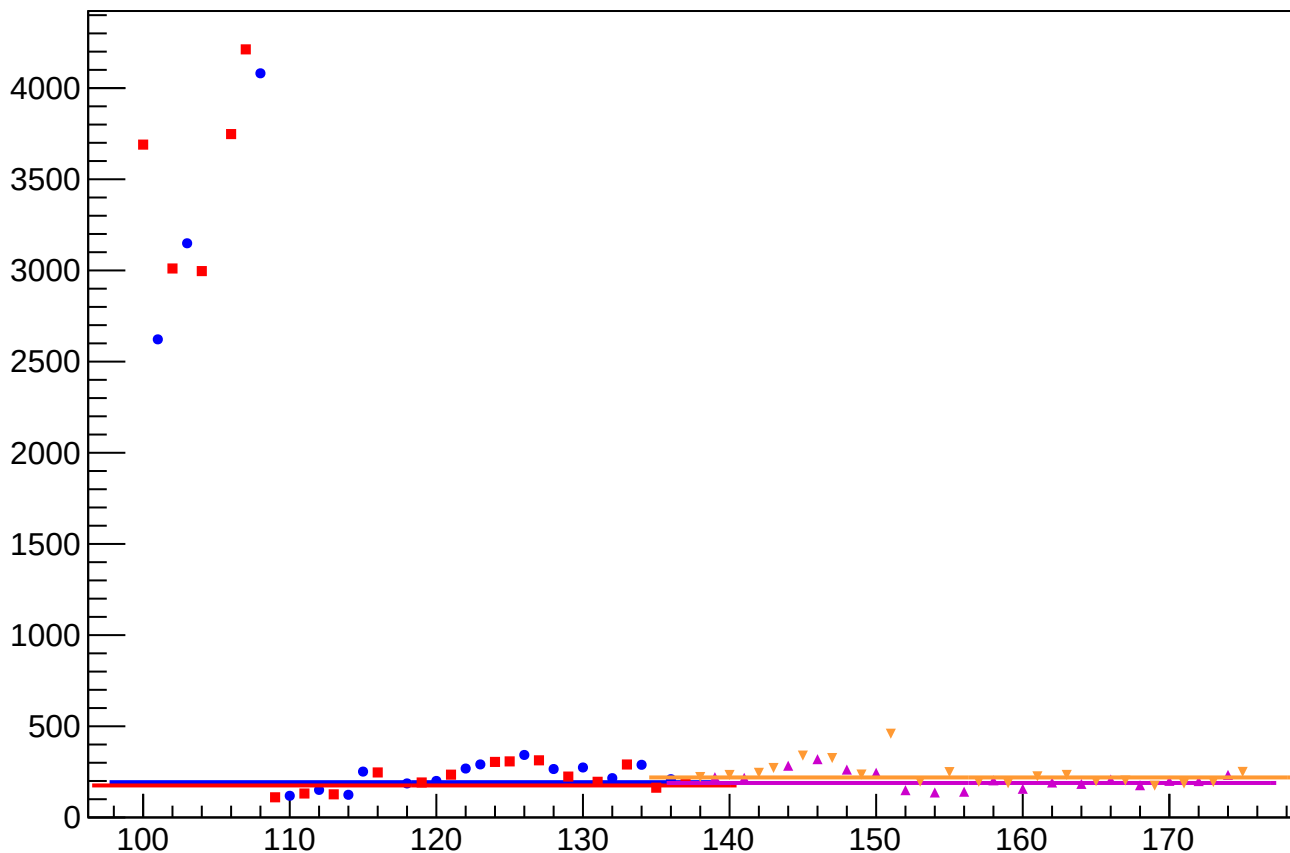
Right: 51.186+/-60.278 χ^2/NDF : 25.3/35

In: 56.193+/-45.497 χ^2/NDF : 19.8/34

Out: -6.707+/-47.520 χ^2/NDF : 17.7/38

All: 26.110+/-32.863 χ^2/NDF : 38.5/73

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: 219.477+/-0.041 χ^2/NDF : 1186493.8/19

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 189.093+/-0.037 χ^2/NDF : 1349049.6/17

Left: 202.788+/-0.028 χ^2/NDF : 2832992.6/37

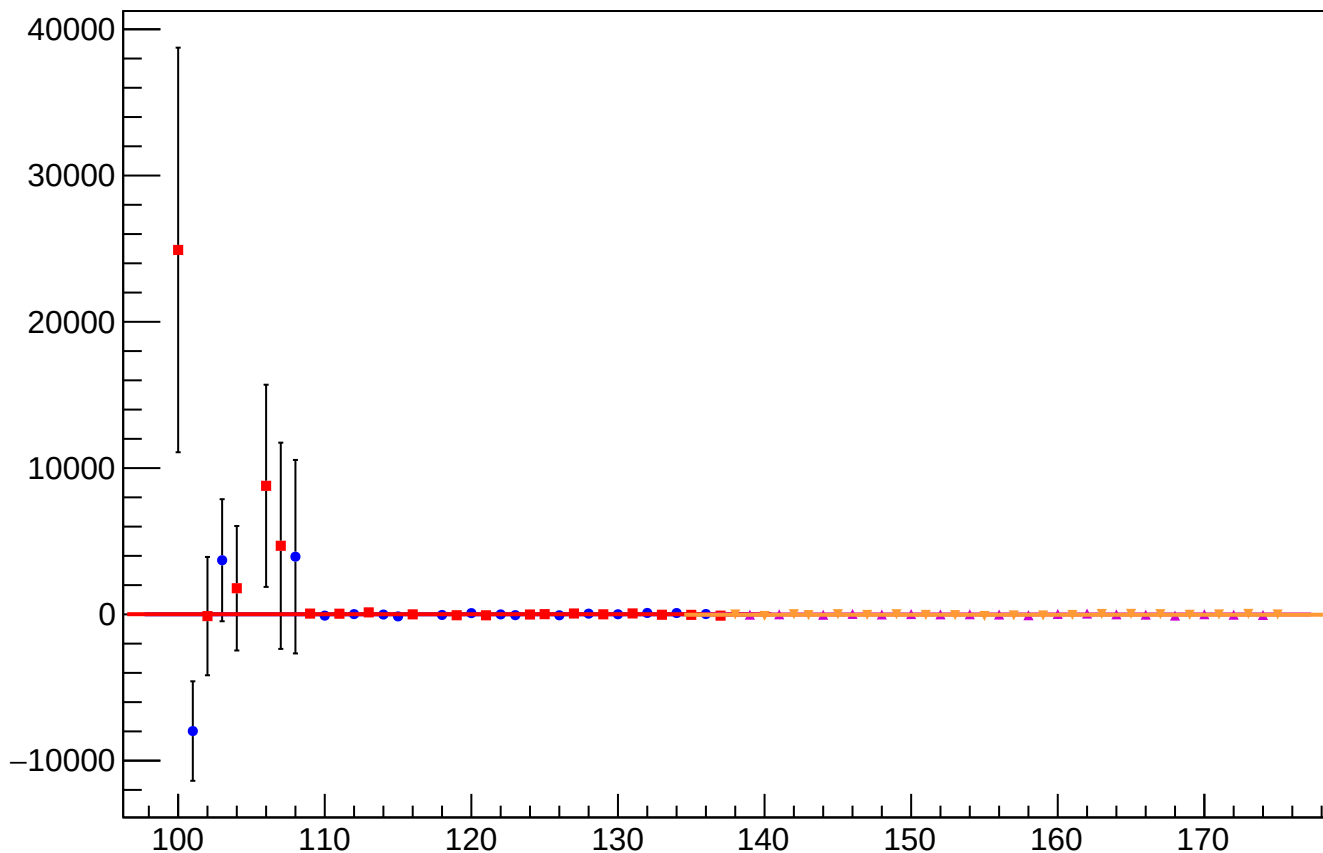
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 190.244+/-0.032 χ^2/NDF : 4889635.8/34

Out: 204.629+/-0.034 χ^2/NDF : 5735017.8/38

All: 197.124+/-0.023 χ^2/NDF : 10720276.6/73

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -25.292 $\pm$ 8.960 χ^2 /NDF:22.3/19

Right Out: 12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

Left In: -5.625 $\pm$ 9.259 χ^2 /NDF:12.9/17

Left: -15.780 $\pm$ 6.439 χ^2 /NDF: 37.5/37

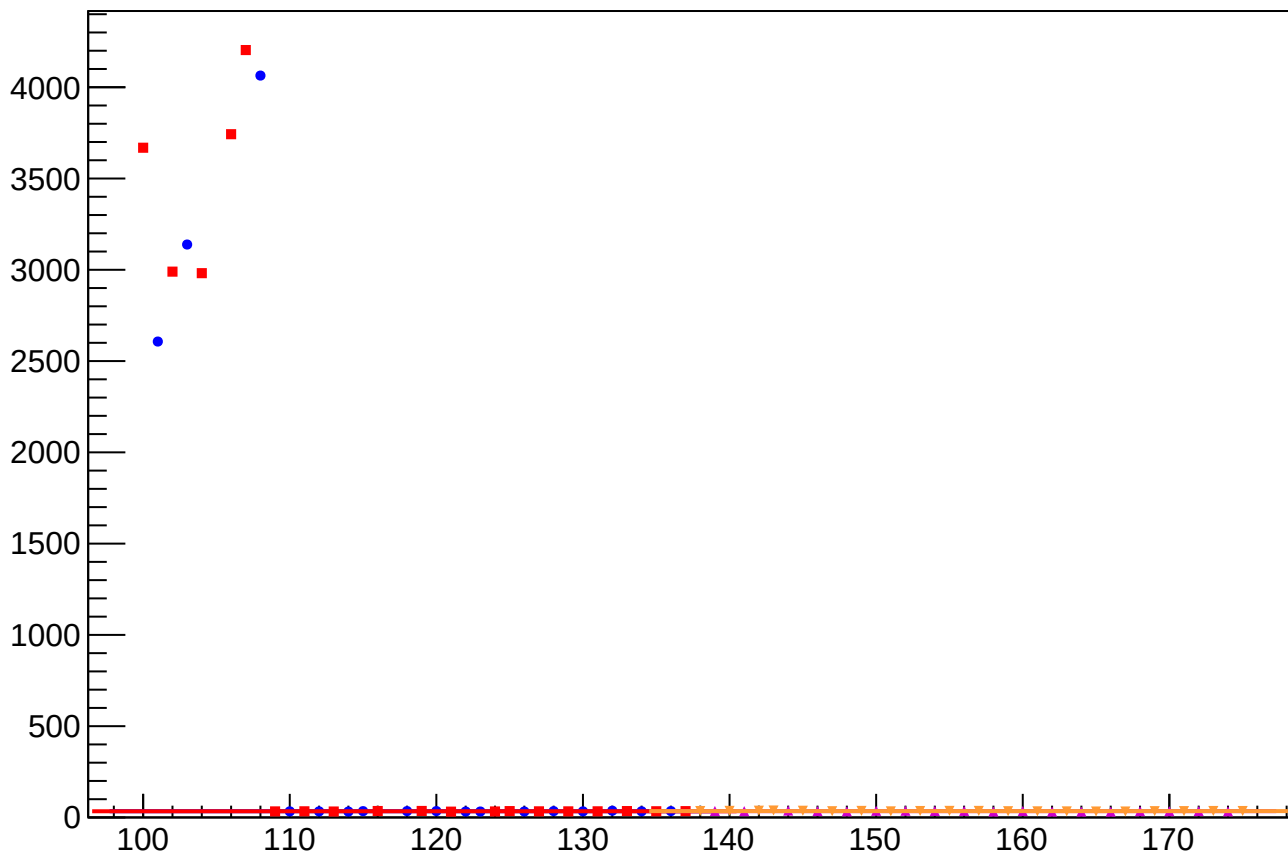
Right: 8.883 $\pm$ 10.608 χ^2 /NDF: 42.5/35

In: -2.553 $\pm$ 7.886 χ^2 /NDF:33.7/34

Out: -15.396 $\pm$ 7.686 χ^2 /NDF:48.9/38

All: -9.140 $\pm$ 5.504 χ^2 /NDF: 84.0/73

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 34.762 $\pm$ 0.006 χ^2 /NDF: 47757.6/19

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

Left In: 34.651 $\pm$ 0.007 χ^2 /NDF: 53238.6/17

Left: 34.708 $\pm$ 0.005 χ^2 /NDF: 101142.7/37

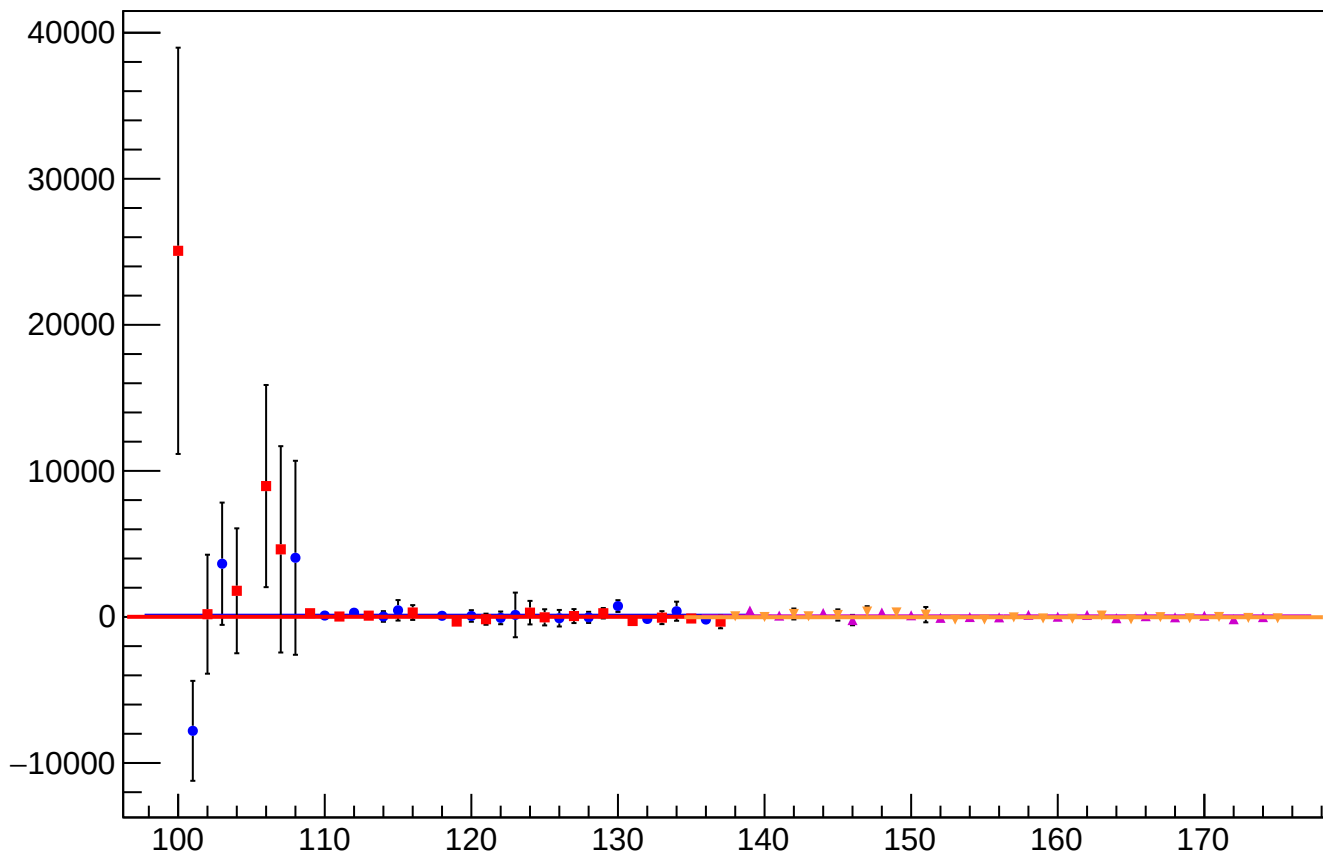
Right: 34.039 $\pm$ 0.008 χ^2 /NDF: 6458714.0/35

In: 34.519 $\pm$ 0.006 χ^2 /NDF: 3061250.8/34

Out: 34.537 $\pm$ 0.005 χ^2 /NDF: 3504414.0/38

All: 34.528 $\pm$ 0.004 χ^2 /NDF: 6565670.7/73

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: -19.426+/-58.283 χ^2/NDF : 5.3/19

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

Left In: 42.137+/-52.768 χ^2/NDF : 6.4/17

Left: 14.405+/-39.118 χ^2/NDF : 12.2/37

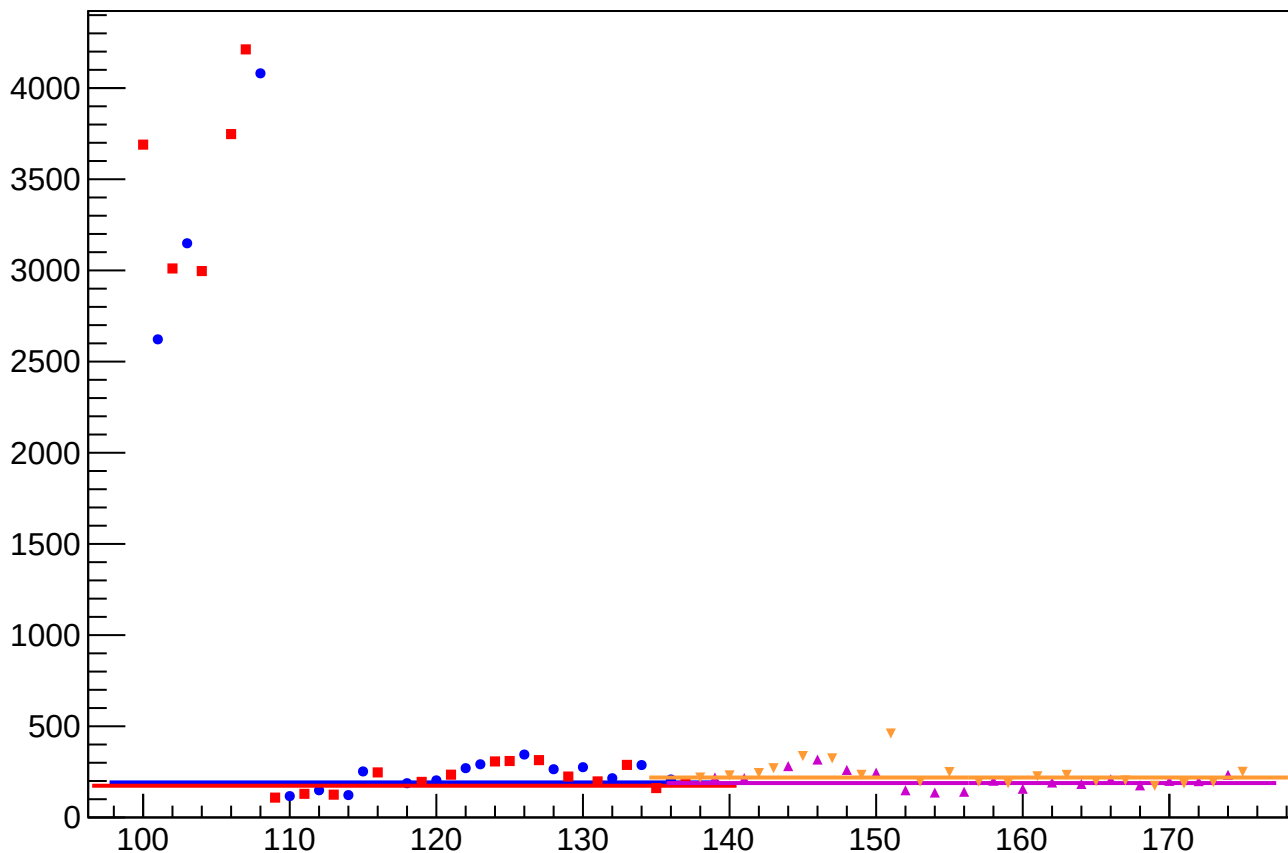
Right: 43.196+/-59.931 χ^2/NDF : 24.0/35

In: 53.203+/-45.356 χ^2/NDF : 19.1/34

Out: -9.917+/-47.360 χ^2/NDF : 16.4/38

All: 23.006+/-32.757 χ^2/NDF : 36.4/73

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: 219.070+/-0.041 χ^2/NDF : 1179678.5/19

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 188.637+/-0.037 χ^2/NDF : 1339583.0/17

Left: 202.346+/-0.028 χ^2/NDF : 2818926.6/37

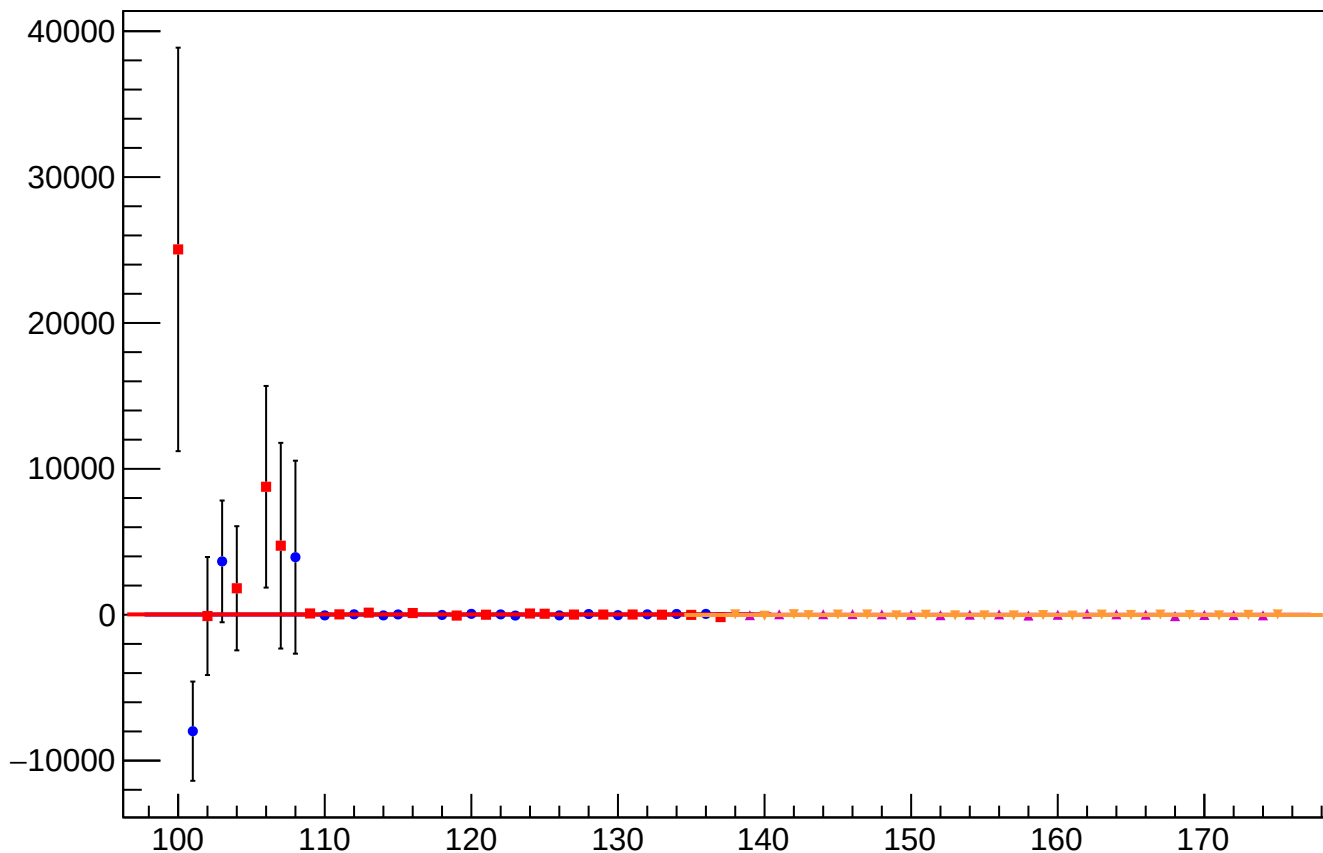
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 189.562+/-0.032 χ^2/NDF : 4916551.0/34

Out: 203.746+/-0.033 χ^2/NDF : 5798288.3/38

All: 196.348+/-0.023 χ^2/NDF : 10808418.2/73

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: -18.279+/-8.109 χ^2/NDF :13.9/19

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: -0.660+/-8.387 χ^2/NDF :23.2/17

Left: -9.766+/-5.830 χ^2/NDF : 39.4/37

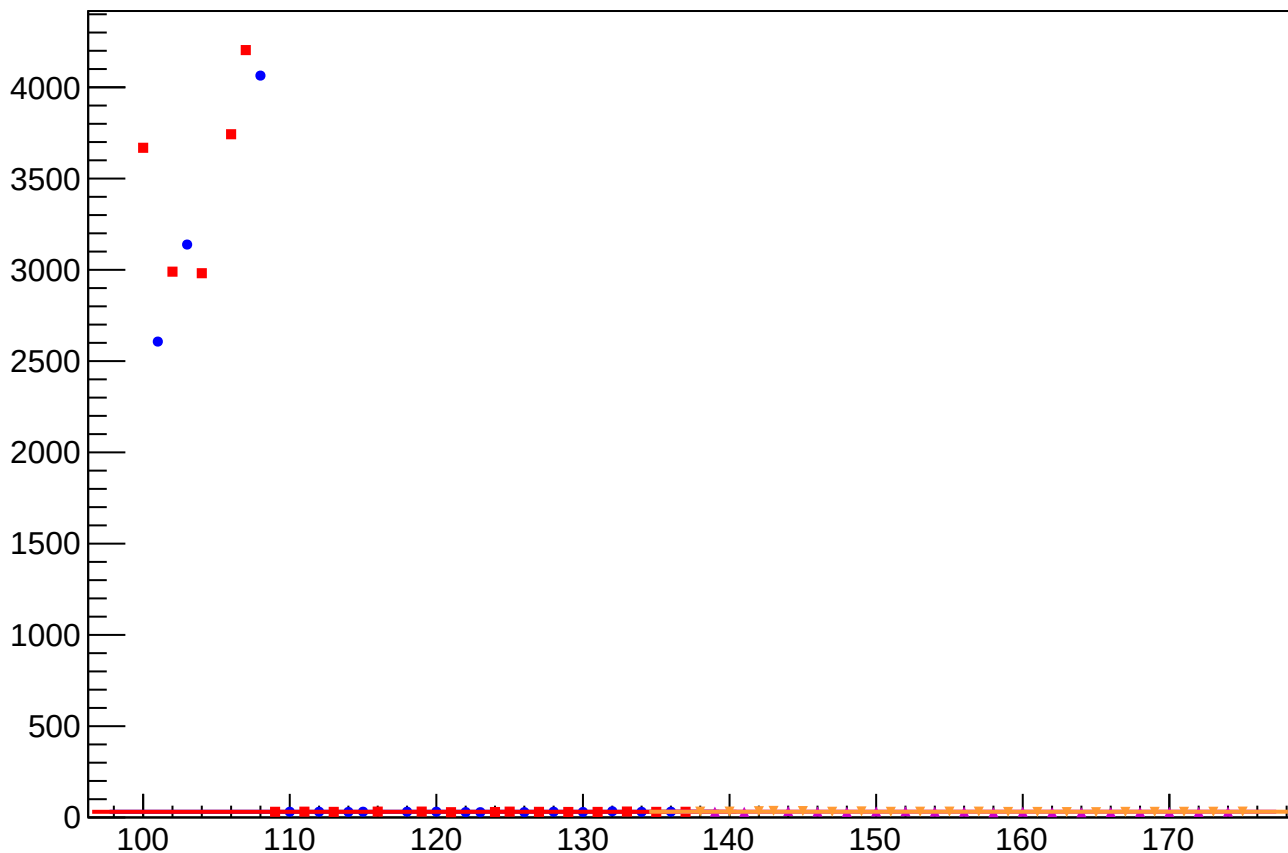
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 2.986+/-7.156 χ^2/NDF :38.6/34

Out: -7.622+/-6.973 χ^2/NDF :48.5/38

All: -2.455+/-4.994 χ^2/NDF : 88.2/73

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: 31.432+/-0.006 χ^2/NDF : 74267.1/19

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.347+/-0.006 χ^2/NDF : 82510.4/17

Left: 31.391+/-0.004 χ^2/NDF : 156883.7/37

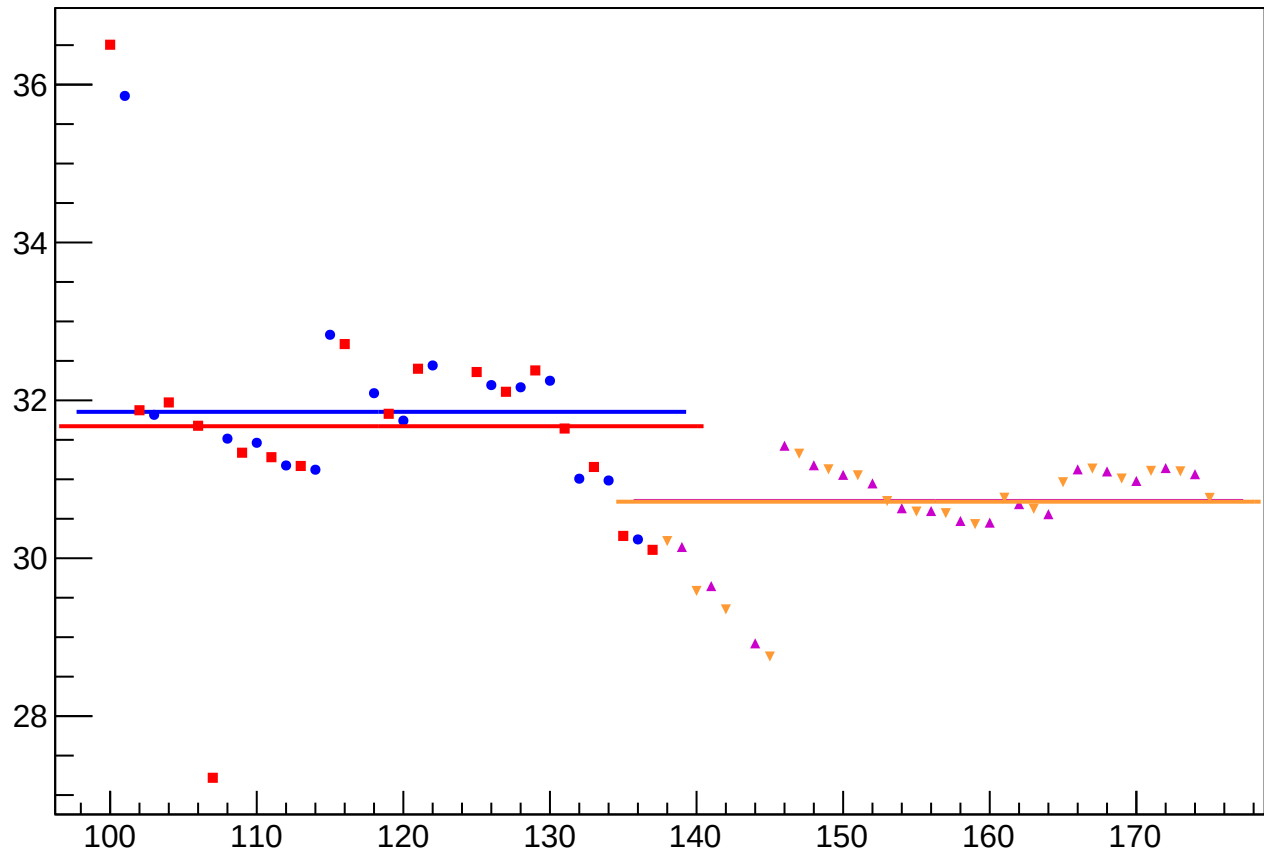
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.294+/-0.005 χ^2/NDF : 3097315.8/34

Out: 31.309+/-0.005 χ^2/NDF : 3534936.6/38

All: 31.302+/-0.004 χ^2/NDF : 6632257.2/73

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.716+/-0.000 χ^2/NDF : 722775855.4/18

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

Left In: 30.726+/-0.000 χ^2/NDF : 681270373.8/17

Left: 30.721+/-0.000 χ^2/NDF : 1404141151.2/36

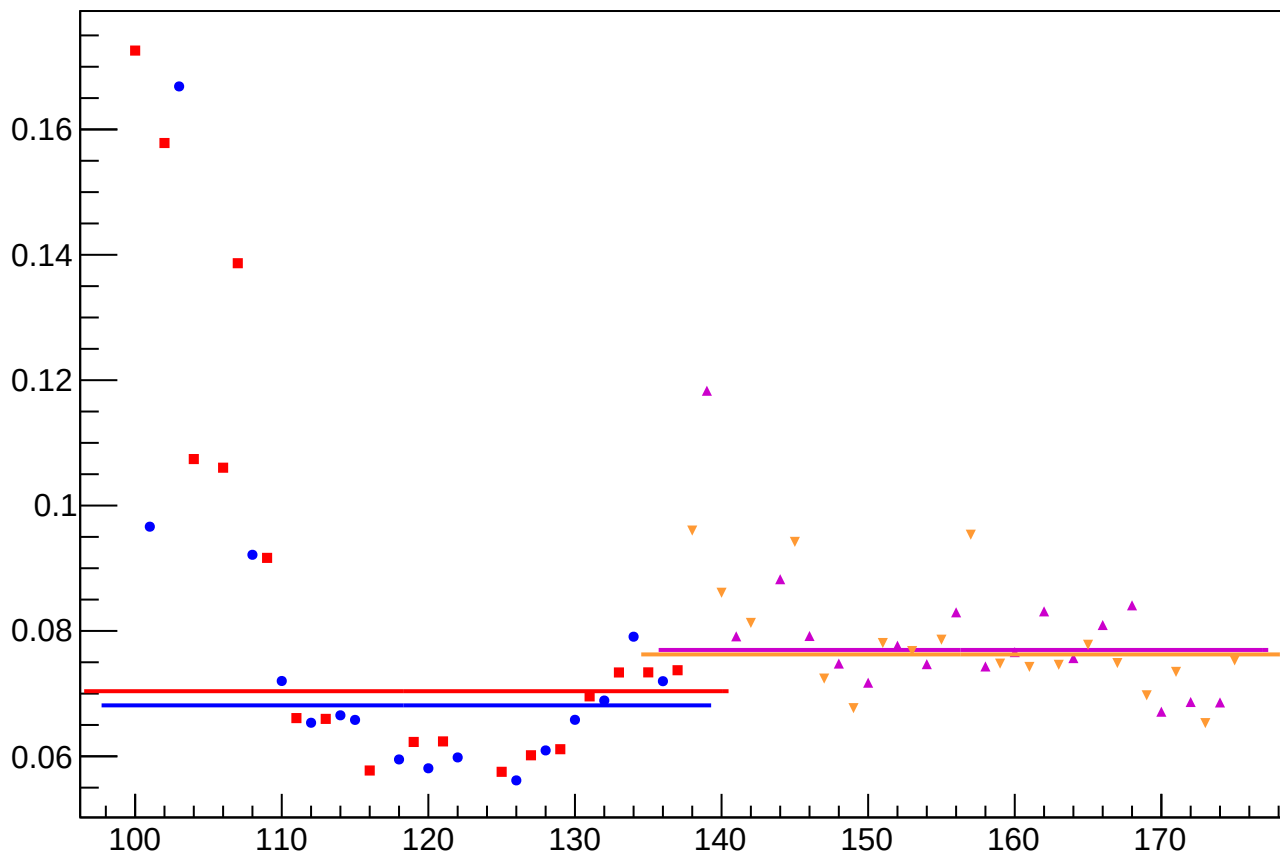
Right: 31.765+/-0.000 χ^2/NDF : 2508641774.0/33

In: 31.141+/-0.000 χ^2/NDF : 3254320499.5/33

Out: 31.049+/-0.000 χ^2/NDF : 2352059923.4/36

All: 31.095+/-0.000 χ^2/NDF : 5620634375.2/71

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:267218.5/18

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:313628.7/17

Left: 0.077 $\pm$ 0.000 χ^2 /NDF: 581959.1/36

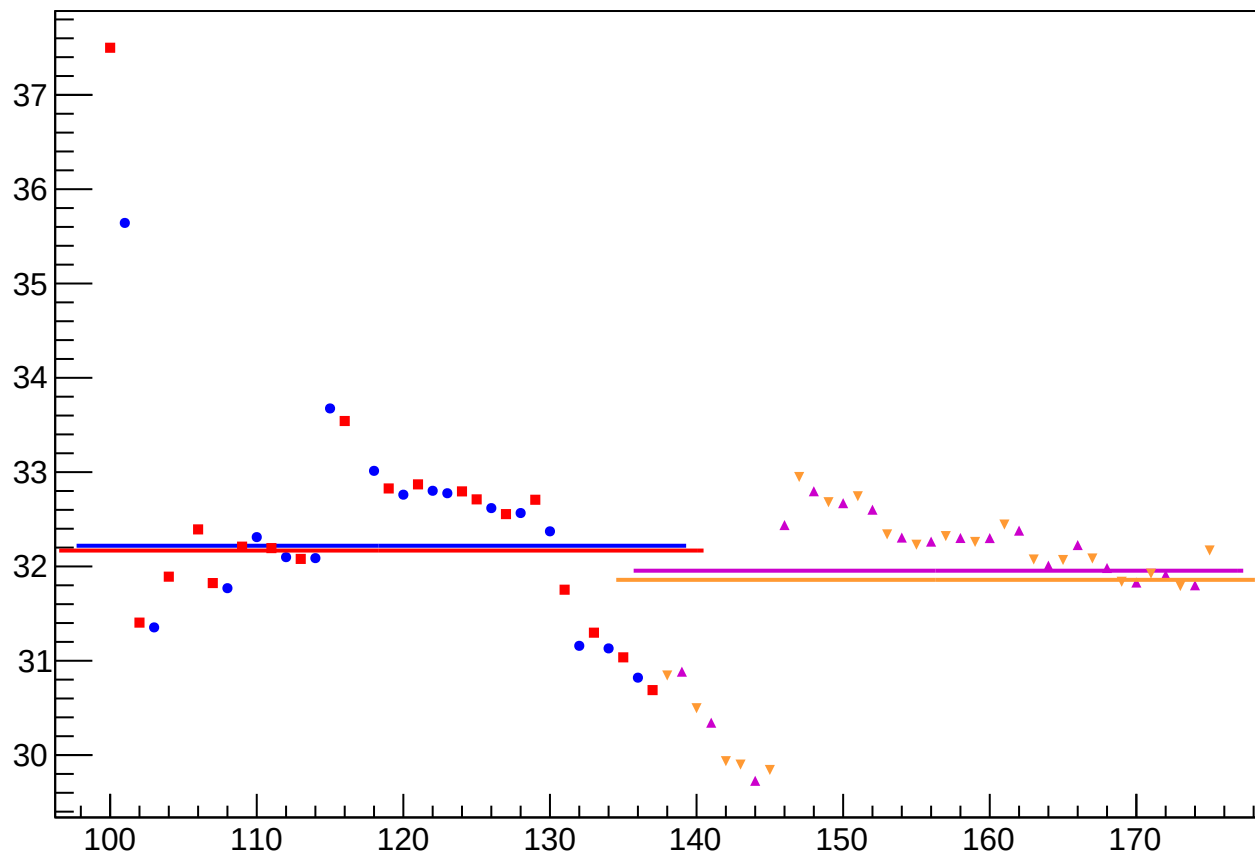
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1477315.9/33

In: 0.074 $\pm$ 0.000 χ^2 /NDF:1066407.8/33

Out: 0.074 $\pm$ 0.000 χ^2 /NDF:1162145.2/36

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2229385.5/70

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.858+/-0.000 χ^2/NDF : 1840330753.0/19

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

Left In: 31.955+/-0.000 χ^2/NDF : 1407644173.6/17

Left: 31.905+/-0.000 χ^2/NDF : 3258477660.8/37

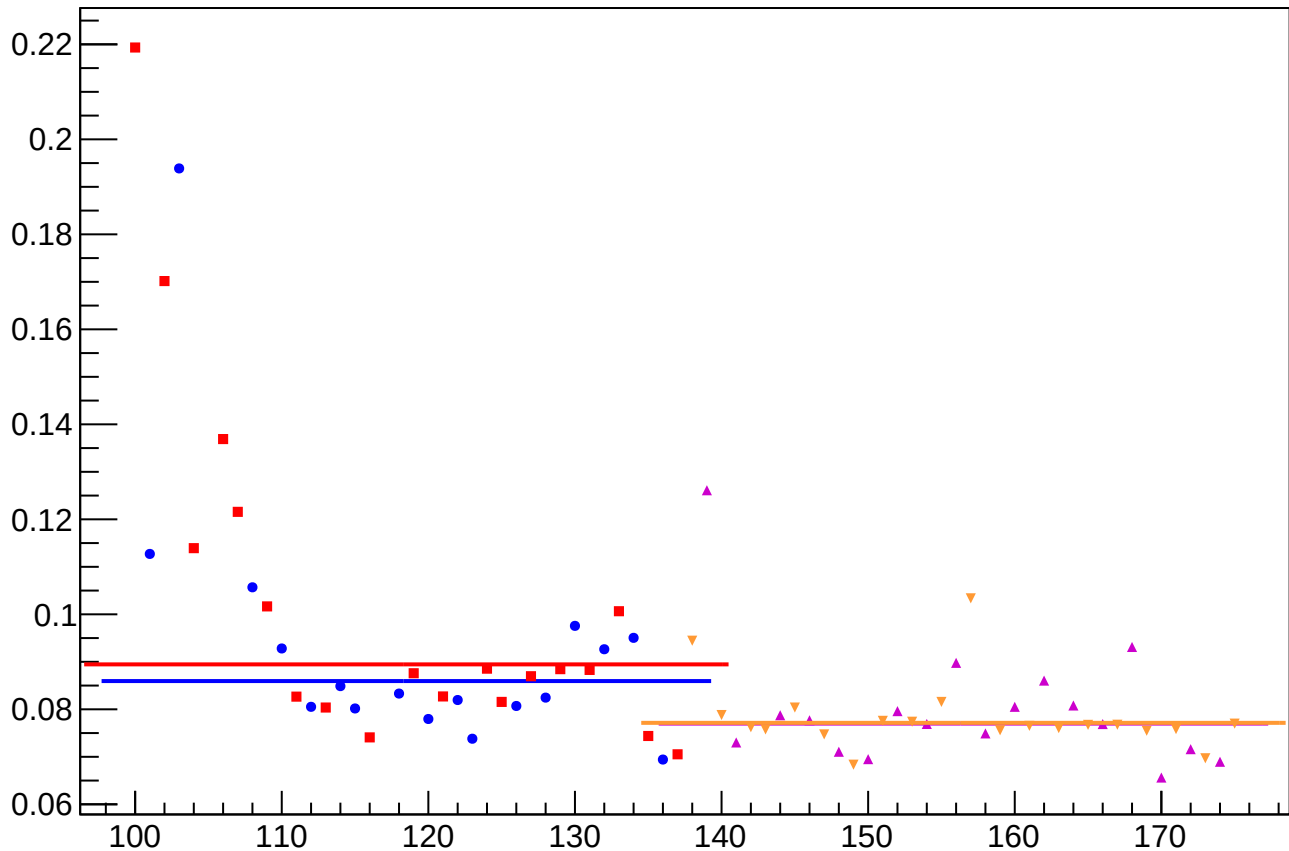
Right: 32.194+/-0.000 χ^2/NDF : 1457173552.7/35

In: 32.025+/-0.000 χ^2/NDF : 2461855283.7/34

Out: 31.936+/-0.000 χ^2/NDF : 2338146287.6/38

All: 31.979+/-0.000 χ^2/NDF : 4812096285.0/71

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.077+/-0.000 χ^2/NDF :180207.2/19

Right Out: 0.089+/-0.000 χ^2/NDF : 539869.9/18

Left In: 0.077+/-0.000 χ^2/NDF :421209.0/17

Left: 0.077+/-0.000 χ^2/NDF : 601472.2/37

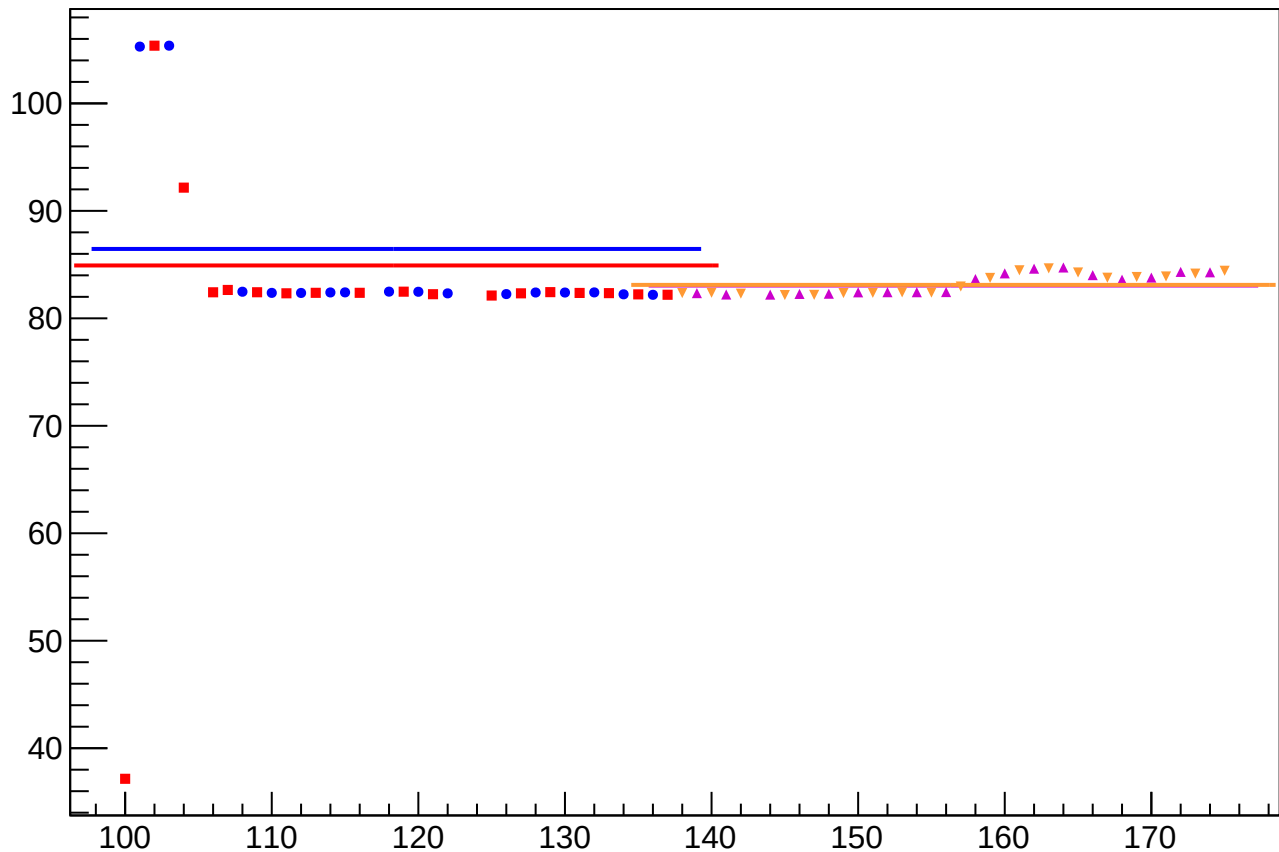
Right: 0.088+/-0.000 χ^2/NDF : 1102728.3/35

In: 0.079+/-0.000 χ^2/NDF :1066859.7/34

Out: 0.080+/-0.000 χ^2/NDF :894516.3/38

All: 0.080+/-0.000 χ^2/NDF : 1963585.6/73

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000

χ^2/NDF : 291421048436.2/15

Left: 83.081+/-0.000

χ^2/NDF : 11190873293.3/36

Left Out: 83.112+/-0.000

χ^2/NDF : 5564144226.3/18

Right: 85.675+/-0.000

χ^2/NDF : 468146833571.9/33

Right Out: 84.920+/-0.000

χ^2/NDF : 172195187677.7/17

In: 84.270+/-0.000

χ^2/NDF : 325104842465.0/33

Out: 83.776+/-0.000

χ^2/NDF : 185830143846.4/36

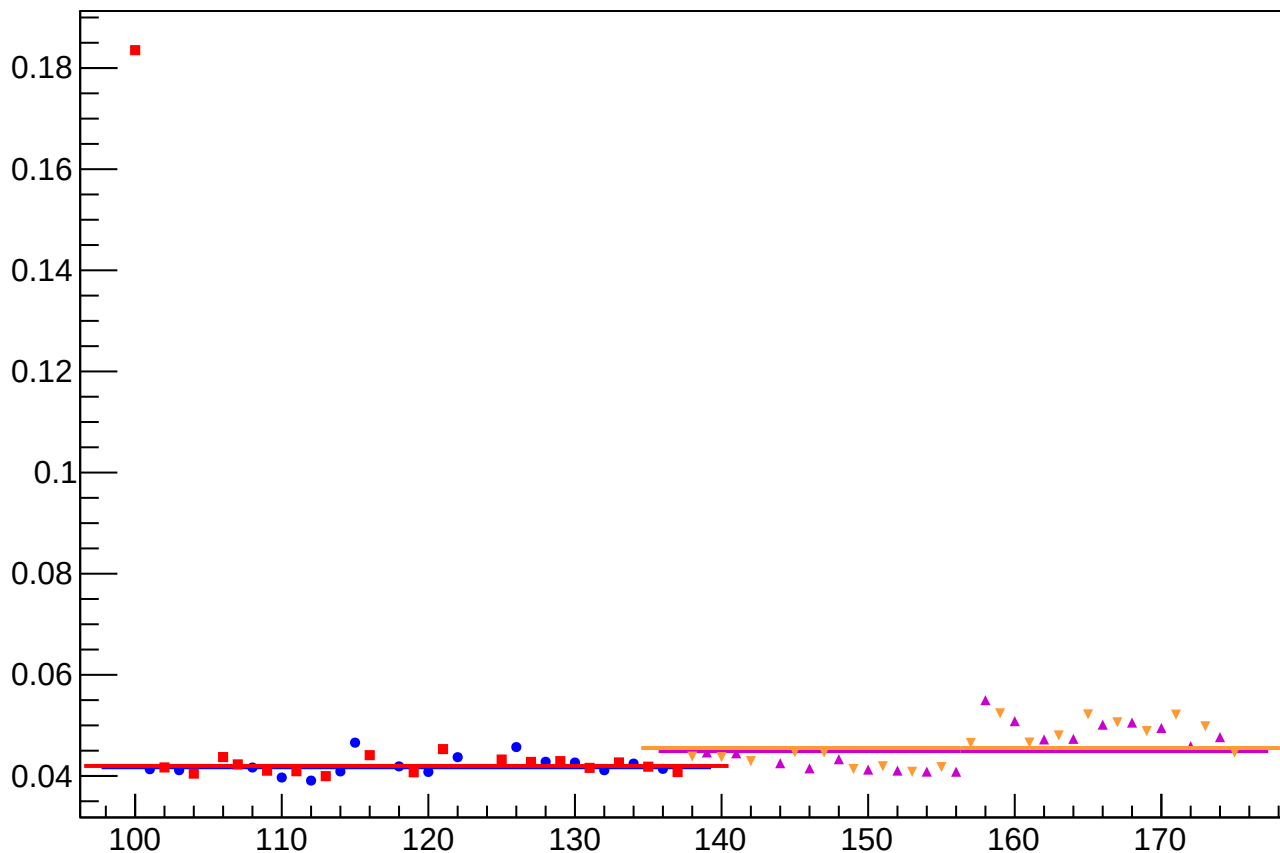
Left In: 83.051+/-0.000

χ^2/NDF : 5614031610.3/17

All: 84.022+/-0.000

χ^2/NDF : 512223664030.

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.046+/-0.000 χ^2/NDF : 179088.2/18

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

Left In: 0.045+/-0.000 χ^2/NDF : 209775.7/17

Left: 0.045+/-0.000 χ^2/NDF : 391295.6/36

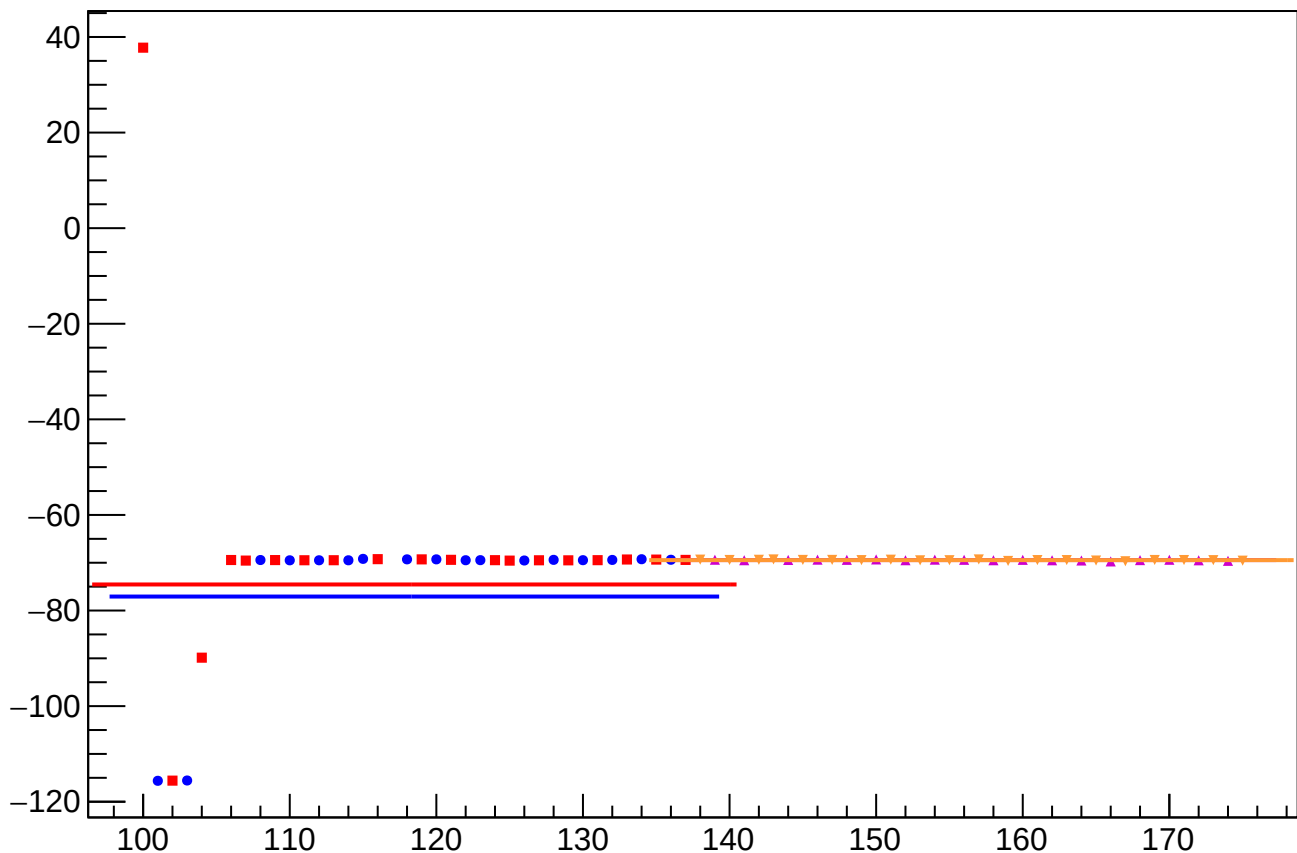
Right: 0.042+/-0.000 χ^2/NDF : 116001.6/33

In: 0.044+/-0.000 χ^2/NDF : 278151.9/33

Out: 0.044+/-0.000 χ^2/NDF : 338061.9/36

All: 0.044+/-0.000 χ^2/NDF : 618283.9/70

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000

χ^2/NDF : 565391865606.1/16

Left: -69.449+/-0.000 χ^2/NDF : 82890823.1/37

Right: -75.769+/-0.000 χ^2/NDF : 943595296169.5/3

Left Out: -69.456+/-0.000

χ^2/NDF : 42684633.0/19

In: -71.775+/-0.000 χ^2/NDF : 642886165707.7/34

Right Out: -74.547+/-0.000

χ^2/NDF : 371890102737.4/18

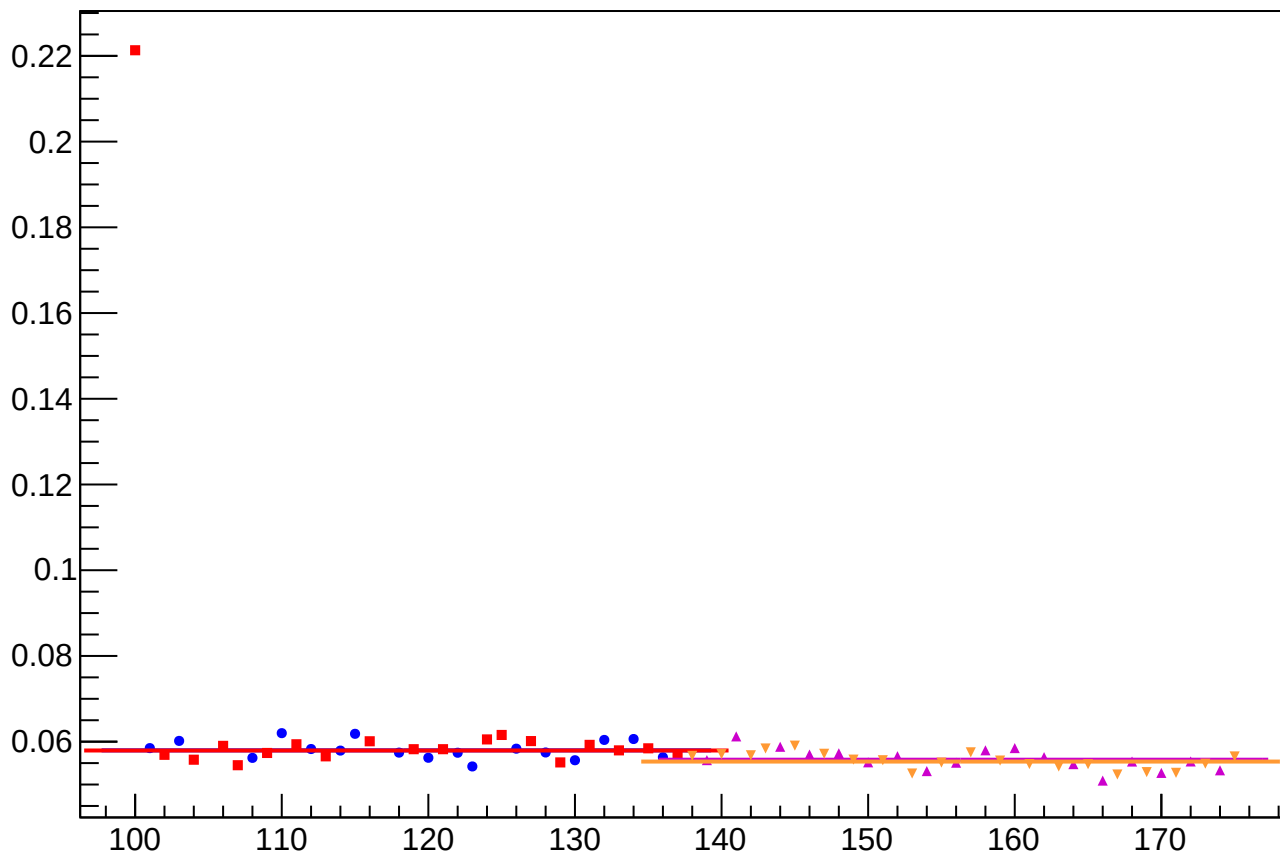
Out: -70.990+/-0.000 χ^2/NDF : 408919968125.0/38

Left In: -69.441+/-0.000

χ^2/NDF : 39731420.3/17

All: -71.367+/-0.000 χ^2/NDF : 105381479884

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 : 34068.4/19

Right Out: 0.058 ± 0.000 χ^2/NDF : 86466.5/18

Left In: 0.056 ± 0.000 χ^2/NDF : 48466.6/17

Left: 0.056 ± 0.000 χ^2/NDF : 83387.4/37

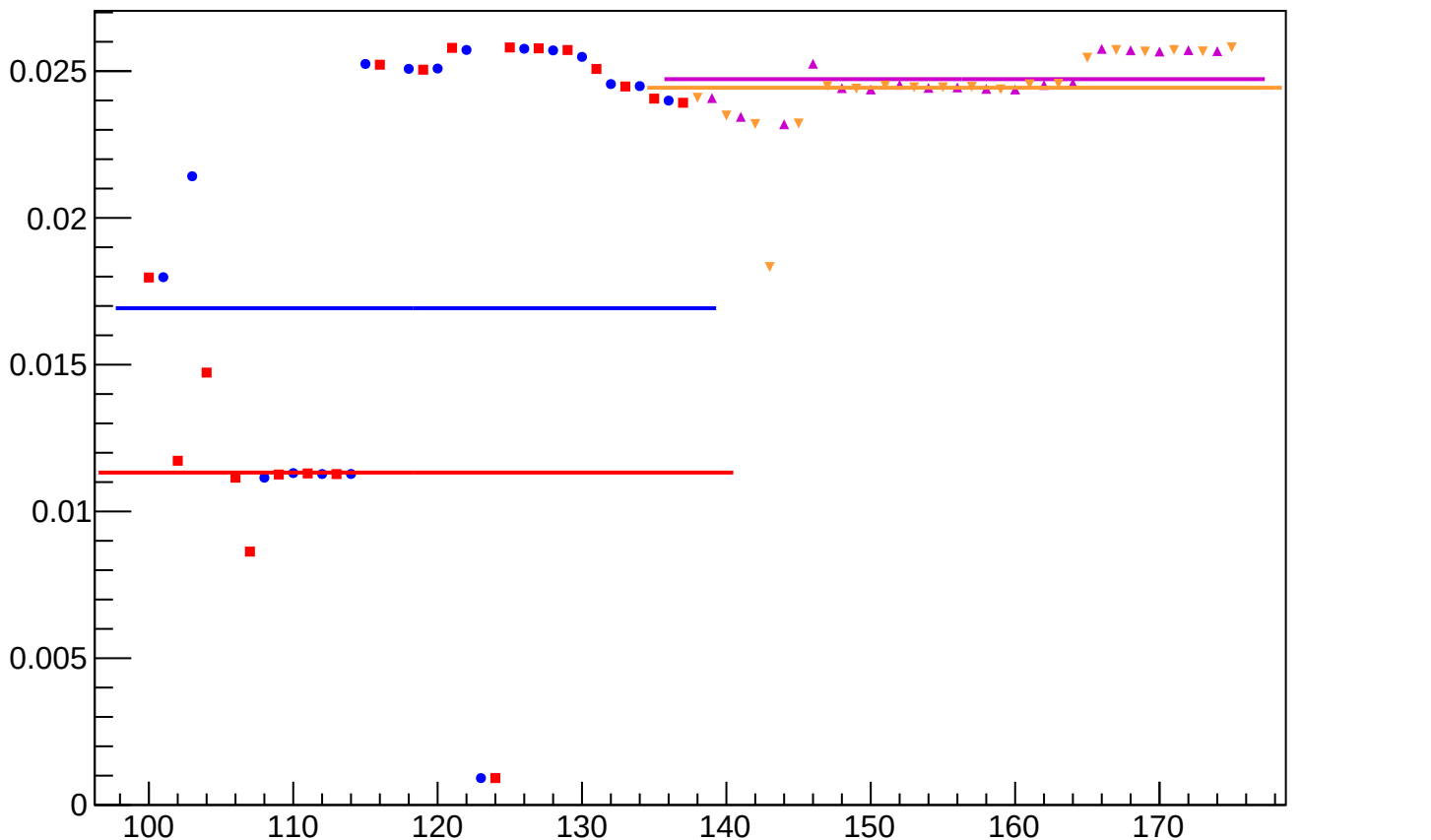
Right: 0.058 ± 0.000 χ^2/NDF : 98743.9/35

In: 0.056 ± 0.000 χ^2/NDF : 73383.3/34

Out: 0.056 ± 0.000 χ^2/NDF : 139589.8/38

All: 0.056 ± 0.000 χ^2/NDF : 213647.4/73

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000

χ^2/NDF : 126447785006.7/16

Left: 0.025 $\pm$ 0.000 χ^2/NDF : 8901153224.9/37

Right: 0.014 $\pm$ 0.000 χ^2/NDF : 392122680736.2/35

Left Out: 0.024 $\pm$ 0.000

χ^2/NDF : 7310431445.5/19

In: 0.022 $\pm$ 0.000 χ^2/NDF : 191530643598.2/34

Right Out: 0.011 $\pm$ 0.000

χ^2/NDF : 234754769754.2/18

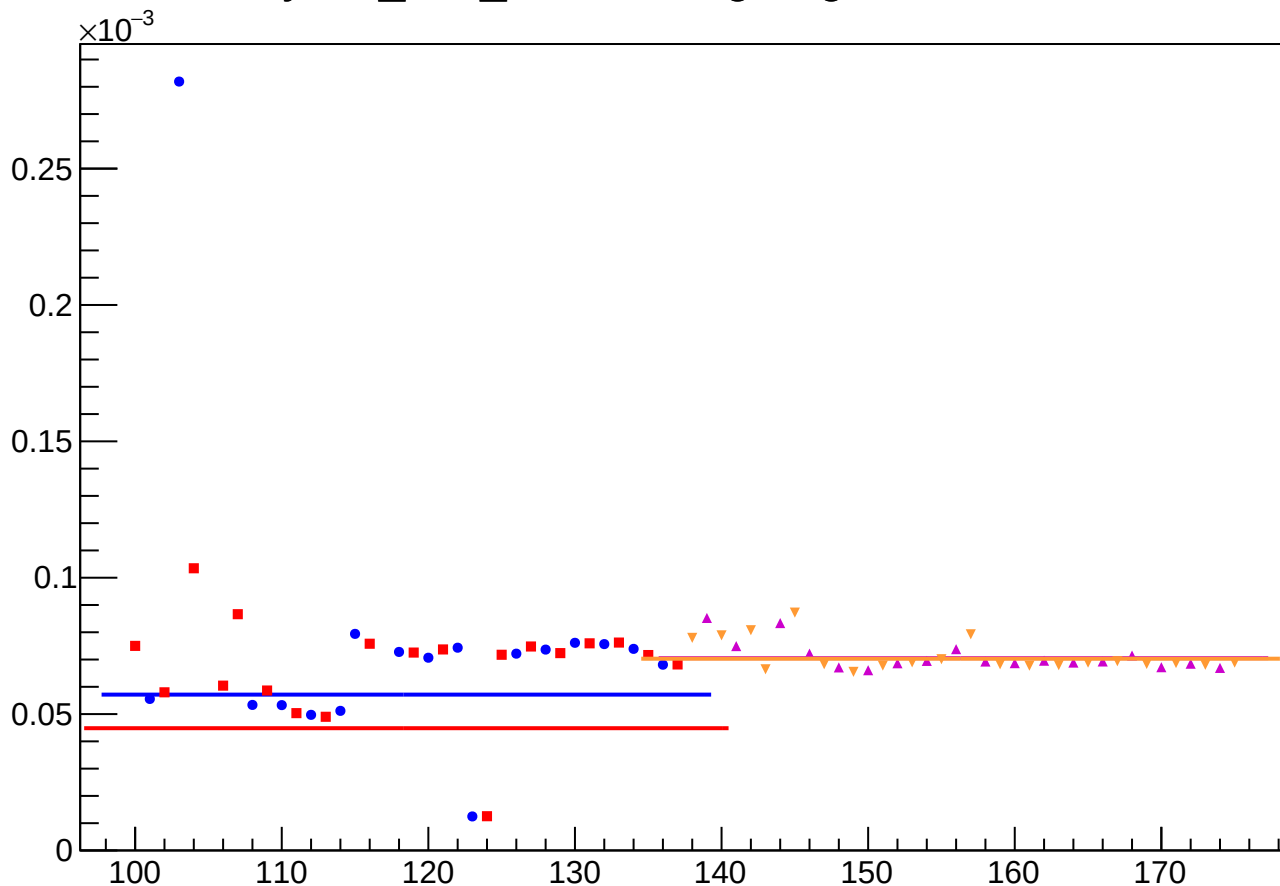
Out: 0.019 $\pm$ 0.000 χ^2/NDF : 470144874223.1/38

Left In: 0.025 $\pm$ 0.000

χ^2/NDF : 1467653007.0/17

All: 0.020 $\pm$ 0.000 χ^2/NDF : 686567749943.5

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 :146597.1/19

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :117726.9/17

Left: 0.000+/-0.000 χ^2/NDF : 264439.0/37

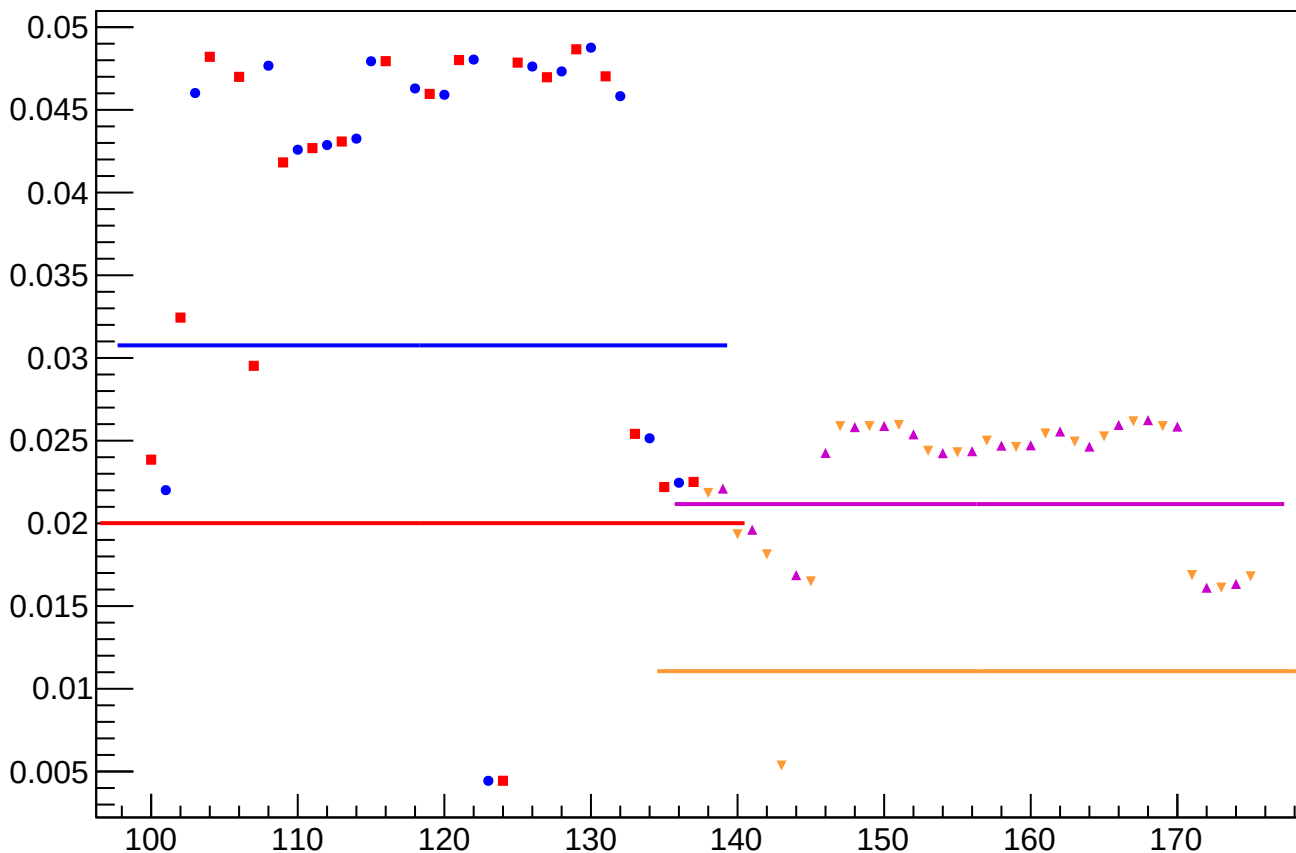
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2491631.2/34

Out: 0.000+/-0.000 χ^2/NDF :5462428.7/38

All: 0.000+/-0.000 χ^2/NDF : 8161337.3/73

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21174738549.0/16

Left: 0.014+/-0.000

χ^2/NDF : 52141849516.7/37

Left Out: 0.011+/-0.000

χ^2/NDF : 34336548242.2/19

Right: 0.024+/-0.000

χ^2/NDF : 66286425044.9/35

Right Out: 0.020+/-0.000

χ^2/NDF : 40011334157.0/18

In: 0.024+/-0.000

χ^2/NDF : 29359461977.9/34

Out: 0.013+/-0.000

χ^2/NDF : 82094494813.9/38

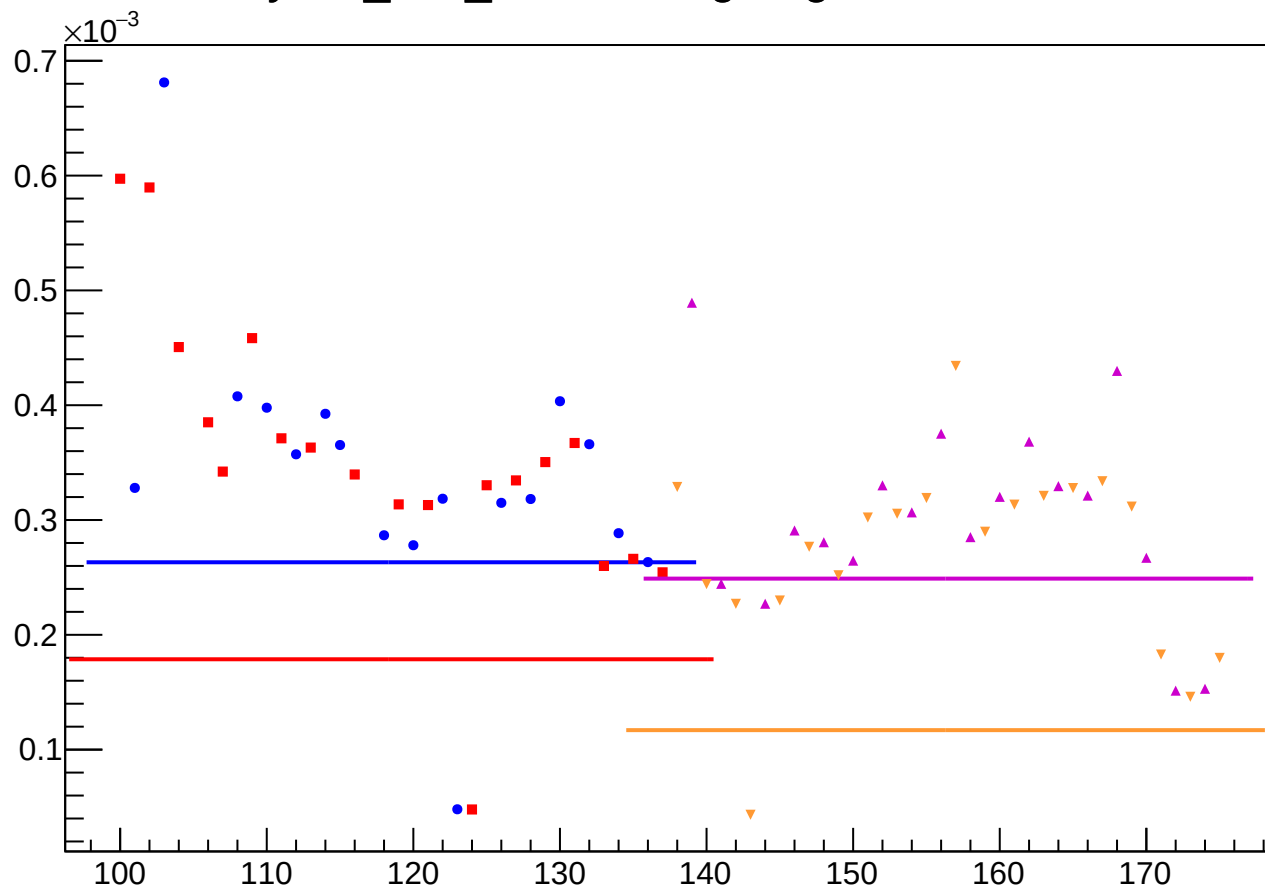
Left In: 0.021+/-0.000

χ^2/NDF : 3445116515.7/17

All: 0.016+/-0.000

χ^2/NDF : 134729388240.3

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 :12207978.7/19

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF :2527189.8/17

Left: 0.000+/-0.000 χ^2/NDF : 19637809.5/37

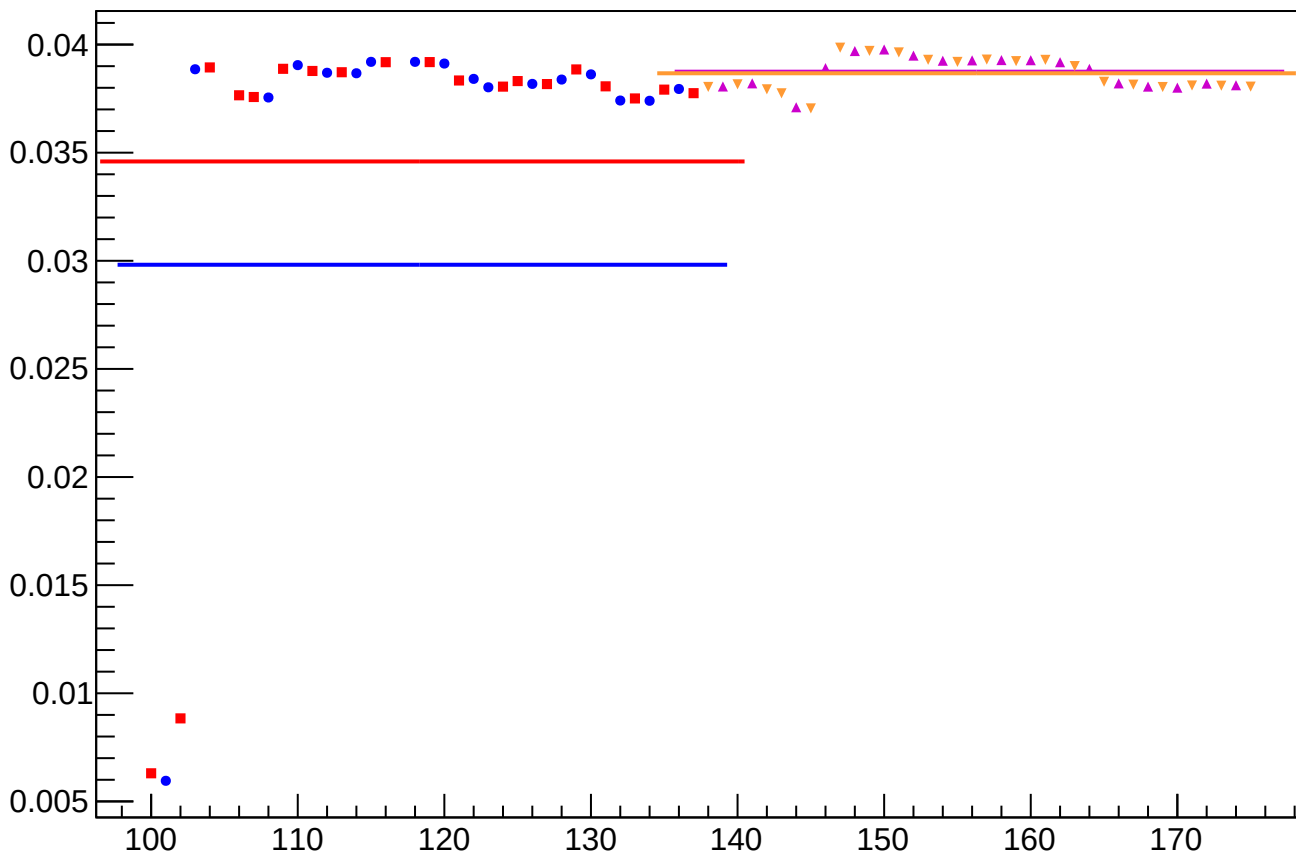
Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF :4949096.5/34

Out: 0.000+/-0.000 χ^2/NDF :18286311.7/38

All: 0.000+/-0.000 χ^2/NDF : 29088493.4/73

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 : 895730761.9/37

Left Out: 0.039+/-0.000

χ^2/NDF : 480784566.3/19

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 : 121204636288.5/34

Out: 0.037+/-0.000

χ^2/NDF : 48934604505.3/38

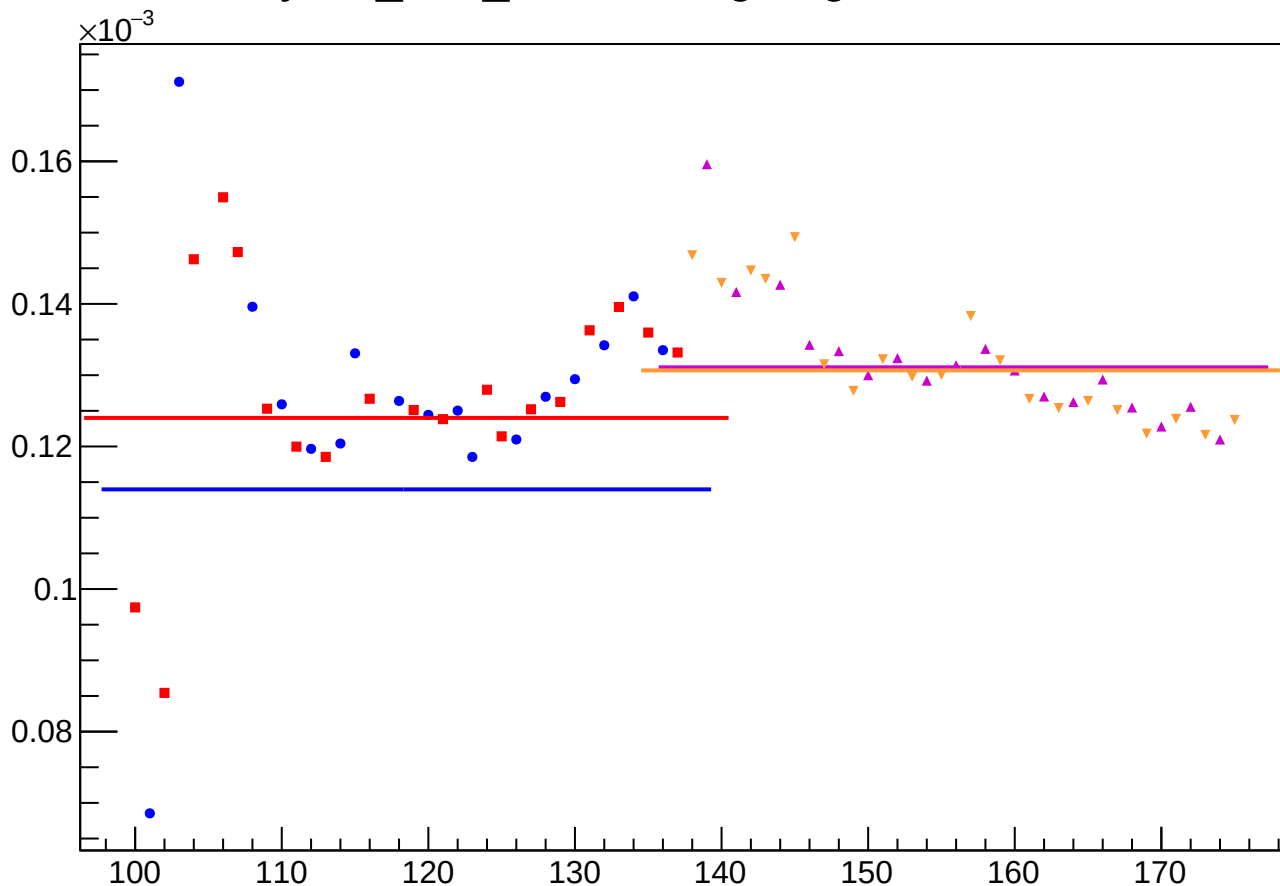
Left In: 0.039+/-0.000

χ^2/NDF : 412684088.6/17

All: 0.036+/-0.000

χ^2/NDF : 172405834286.1

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 : 109693.8/19

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 95755.4/17

Left: 0.000+/-0.000 χ^2/NDF : 205598.4/37

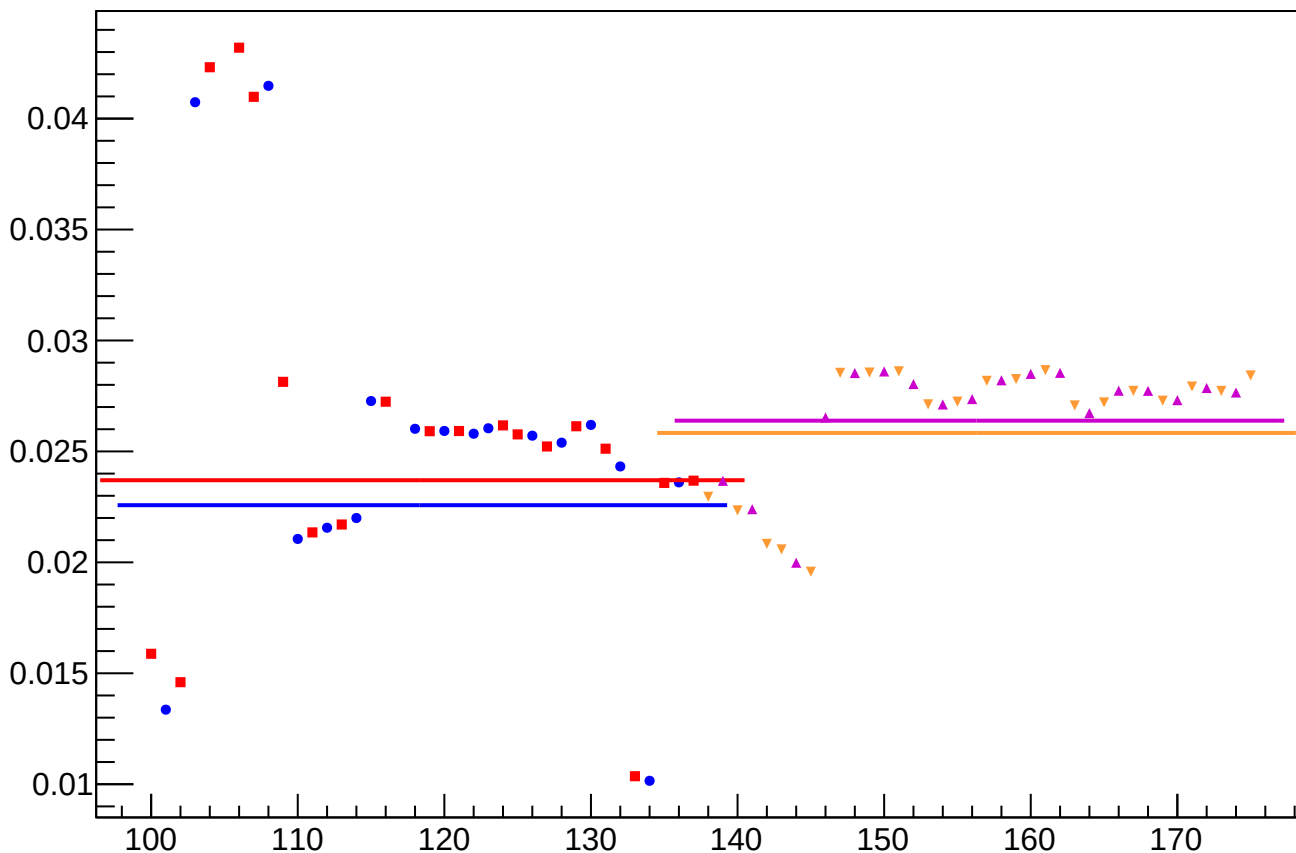
Right: 0.000+/-0.000 χ^2/NDF : 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF : 1064189.4/34

Out: 0.000+/-0.000 χ^2/NDF : 380462.4/38

All: 0.000+/-0.000 χ^2/NDF : 1462278.9/73

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 : 1806616937.9/19

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

Left In: 0.026+/-0.000 χ^2/NDF : 1182114232.1/17

Left: 0.026+/-0.000 χ^2/NDF : 3012941817.0/37

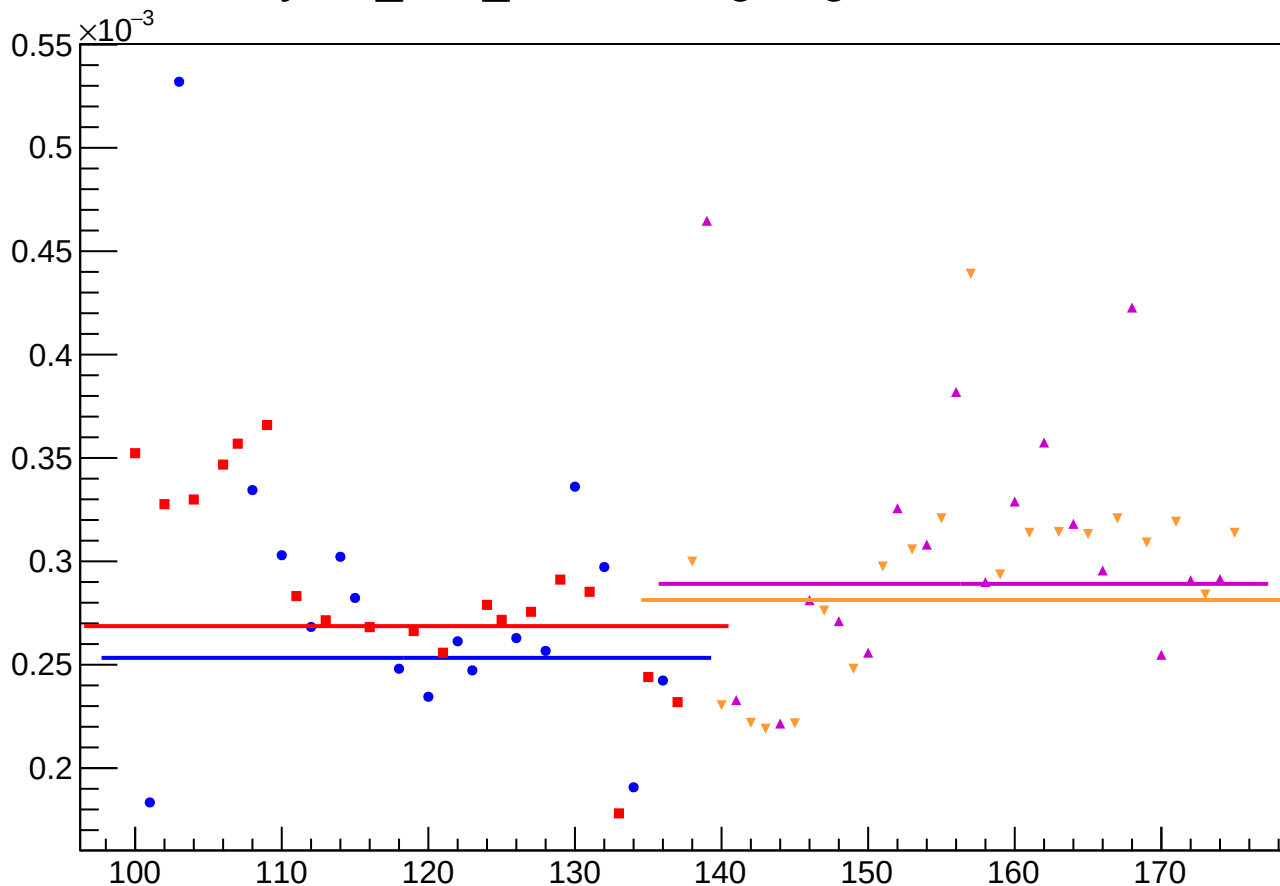
Right: 0.023+/-0.000 χ^2/NDF : 9954563356.3/35

In: 0.025+/-0.000 χ^2/NDF : 6248700536.9/34

Out: 0.025+/-0.000 χ^2/NDF : 7715229216.6/38

All: 0.025+/-0.000 χ^2/NDF : 13966906180.9/7

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 : 645365.3/19

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF : 841800.3/17

Left: 0.000+/-0.000 χ^2/NDF : 1496915.4/37

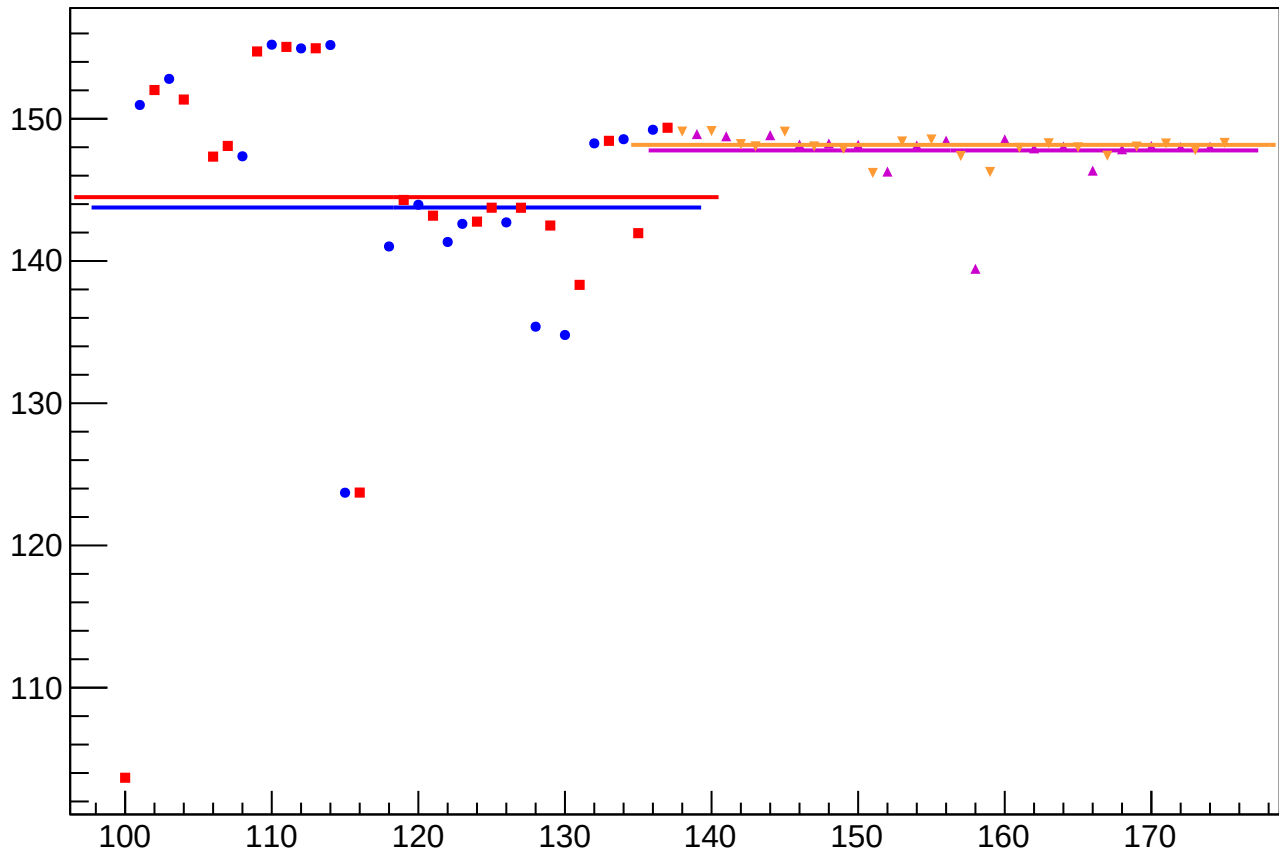
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF : 1615660.9/34

Out: 0.000+/-0.000 χ^2/NDF : 1091704.4/38

All: 0.000+/-0.000 χ^2/NDF : 2707792.9/73

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.166 $\pm$ 0.000 χ^2 /NDF: 52872542.2/19

Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18

Left In: 147.775 $\pm$ 0.000 χ^2 /NDF: 325906992.2/17

Left: 147.979 $\pm$ 0.000 χ^2 /NDF: 384801982.3/37

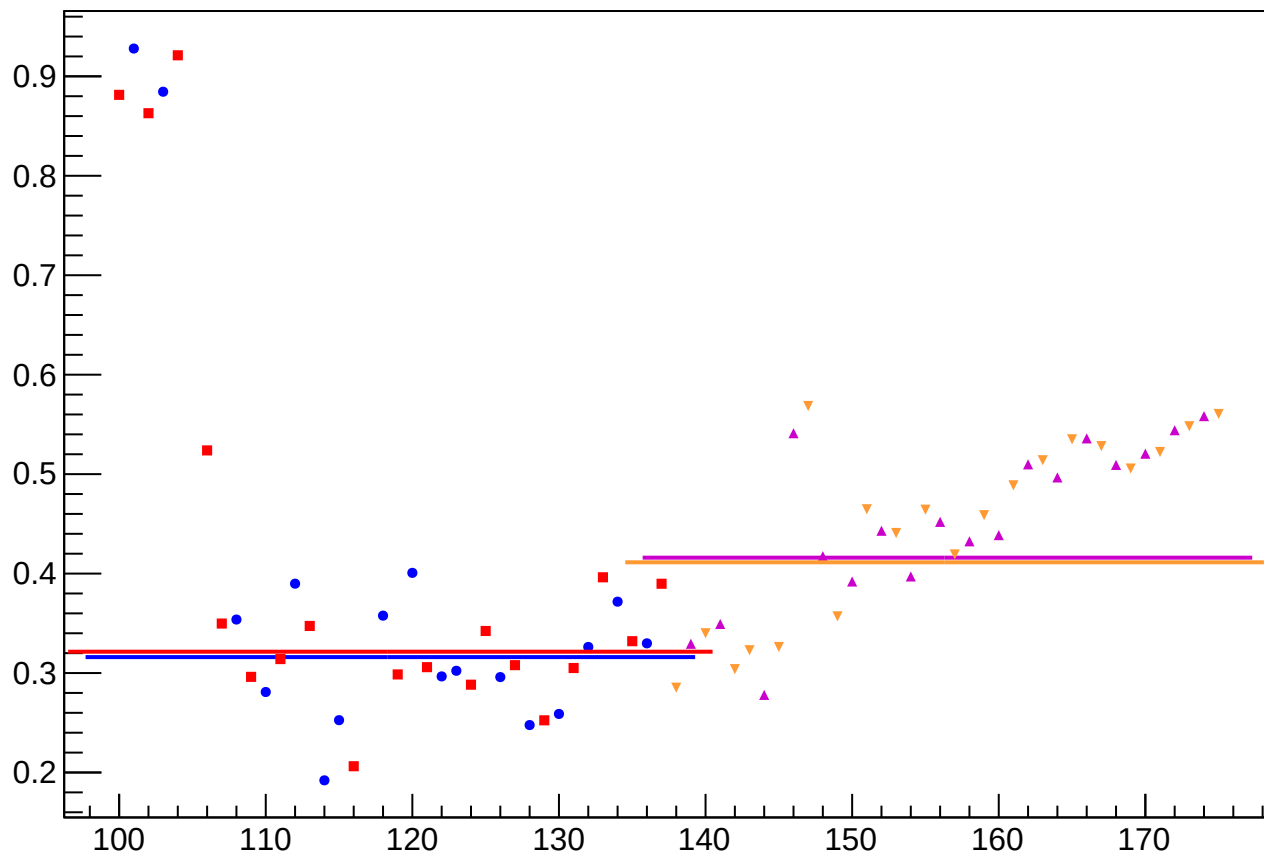
Right: 144.130 $\pm$ 0.000 χ^2 /NDF: 7732099987.4/35

In: 146.072 $\pm$ 0.000 χ^2 /NDF: 4375819885.3/34

Out: 146.663 $\pm$ 0.000 χ^2 /NDF: 4688171857.7/38

All: 146.376 $\pm$ 0.000 χ^2 /NDF: 9087517239.8

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 1265921.5/16

Left Out: 0.411 $\pm$ 0.000 χ^2 /NDF:1422947.5/19

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1219073.9/18

Left In: 0.416 $\pm$ 0.000 χ^2 /NDF:1116585.7/17

Left: 0.414 $\pm$ 0.000 χ^2 /NDF: 2541238.9/37

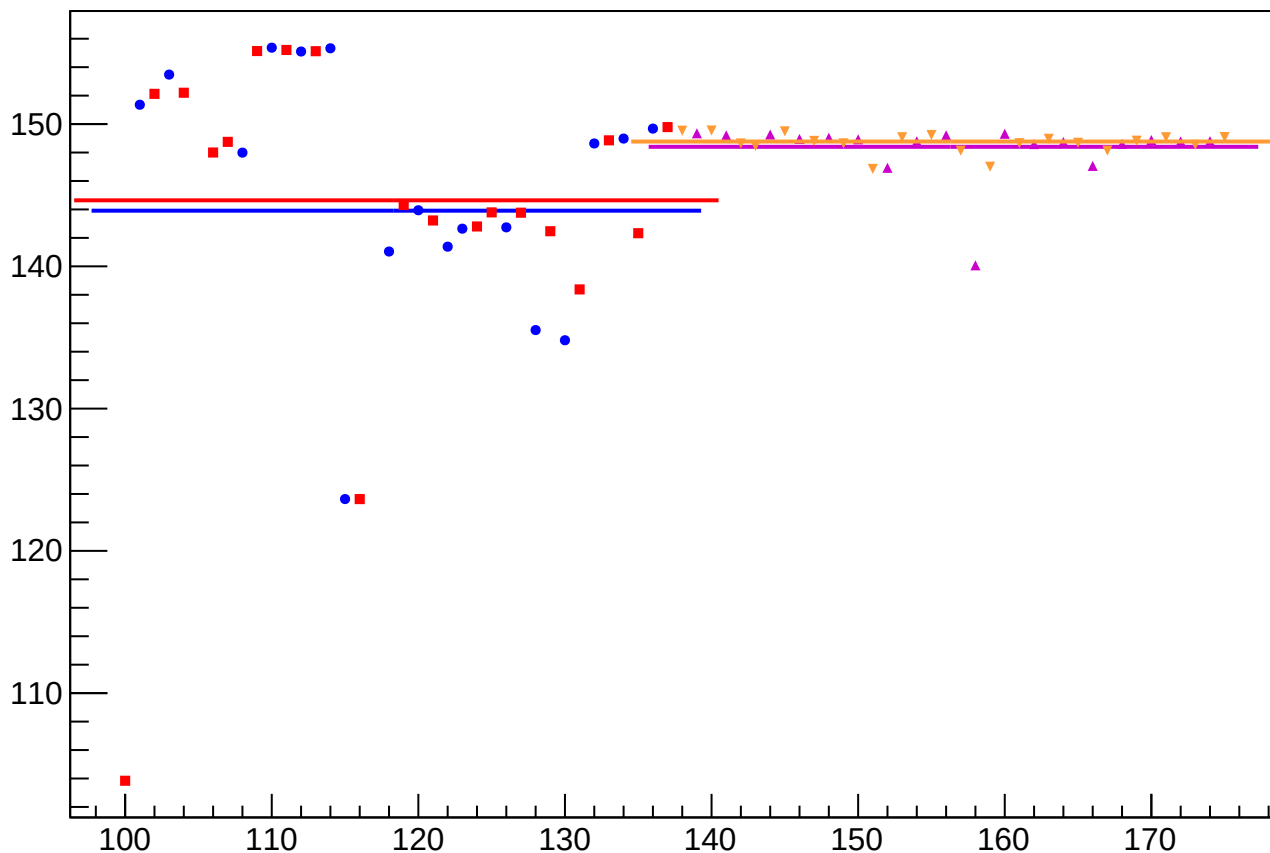
Right: 0.319 $\pm$ 0.000 χ^2 /NDF: 2486648.0/35

In: 0.374 $\pm$ 0.000 χ^2 /NDF:3022389.9/34

Out: 0.375 $\pm$ 0.000 χ^2 /NDF:3183427.4/38

All: 0.374 $\pm$ 0.000 χ^2 /NDF: 6205954.9/73

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.773 $\pm$ 0.000 χ^2 /NDF: 41539913.0/19

Right Out: 144.640 $\pm$ 0.000 χ^2 /NDF: 4209610240.4/18

Left In: 148.402 $\pm$ 0.000 χ^2 /NDF: 315626635.9/17

Left: 148.595 $\pm$ 0.000 χ^2 /NDF: 362466979.0/37

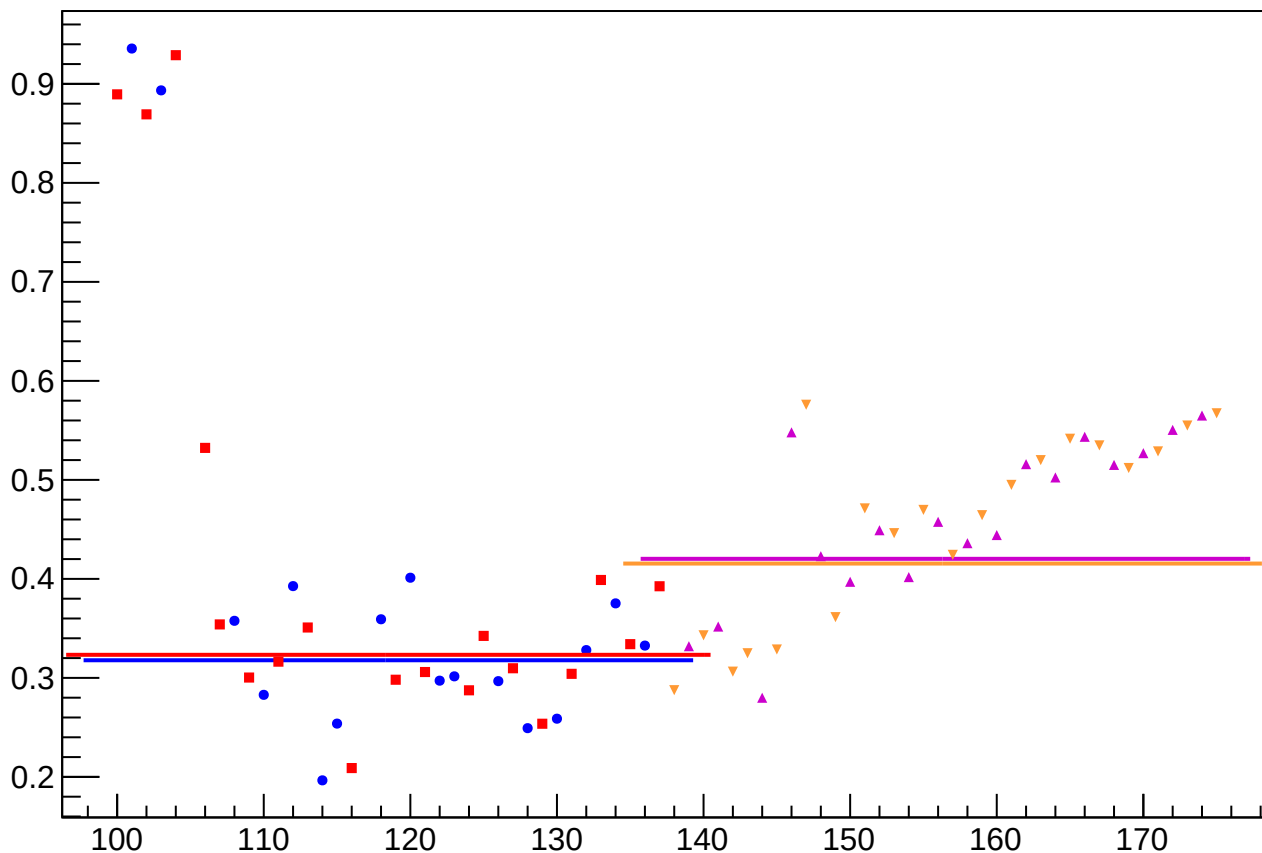
Right: 144.280 $\pm$ 0.000 χ^2 /NDF: 7812104995.9/35

In: 146.485 $\pm$ 0.000 χ^2 /NDF: 4538648392.4/34

Out: 147.074 $\pm$ 0.000 χ^2 /NDF: 4814427177.5/38

All: 146.788 $\pm$ 0.000 χ^2 /NDF: 9376008945.9

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF:1447580.4/19

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222241.9/18

Left In: 0.420 $\pm$ 0.000 χ^2 /NDF:1137005.5/17

Left: 0.418 $\pm$ 0.000 χ^2 /NDF: 2586343.6/37

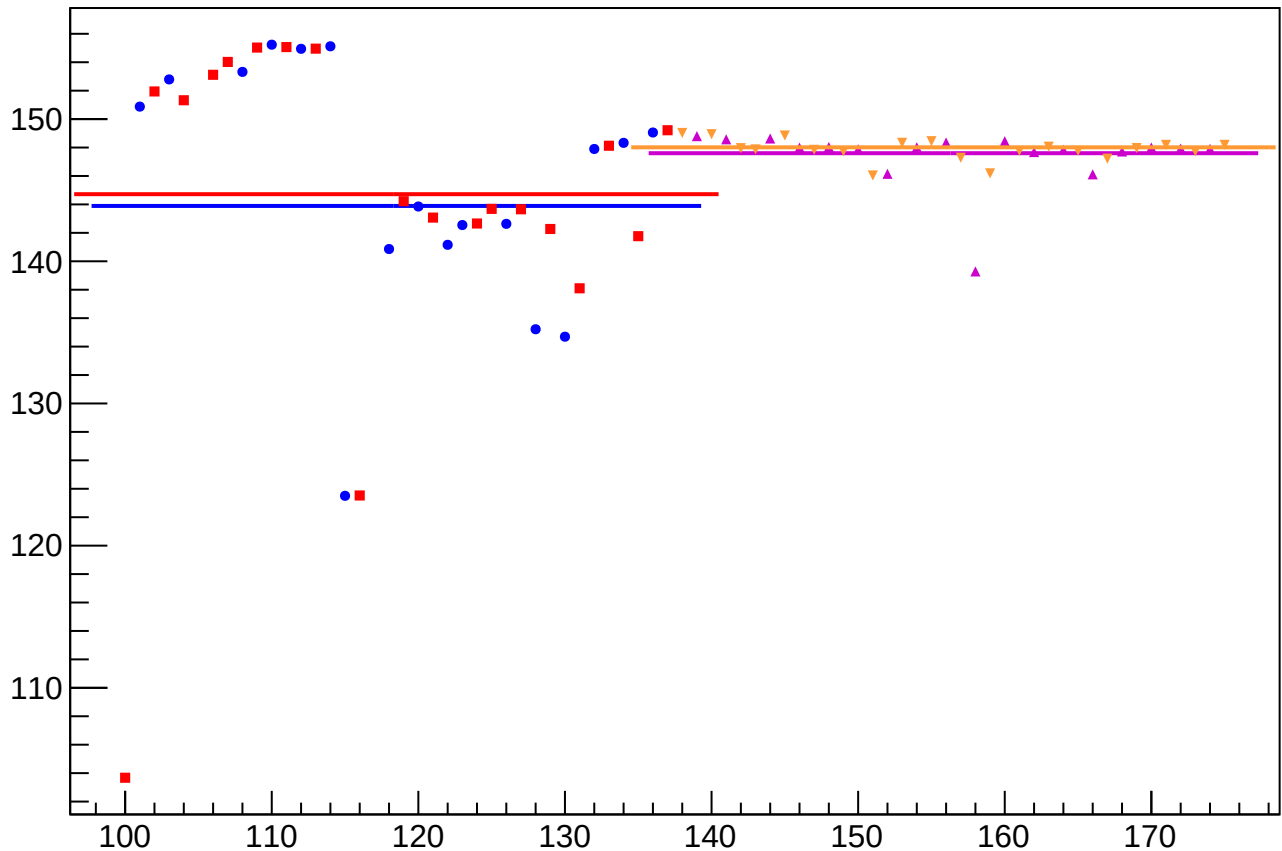
Right: 0.321 $\pm$ 0.000 χ^2 /NDF: 2492180.0/35

In: 0.377 $\pm$ 0.000 χ^2 /NDF:3066907.7/34

Out: 0.378 $\pm$ 0.000 χ^2 /NDF:3230274.1/38

All: 0.377 $\pm$ 0.000 χ^2 /NDF: 6297328.6/73

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.015 $\pm$ 0.000 χ^2/NDF : 51266878.0/19

Right Out: 144.719 $\pm$ 0.000 χ^2/NDF : 4473225884.5/18

Left In: 147.602 $\pm$ 0.000 χ^2/NDF : 325162413.8/17

Left: 147.817 $\pm$ 0.000 χ^2/NDF : 383082378.0/37

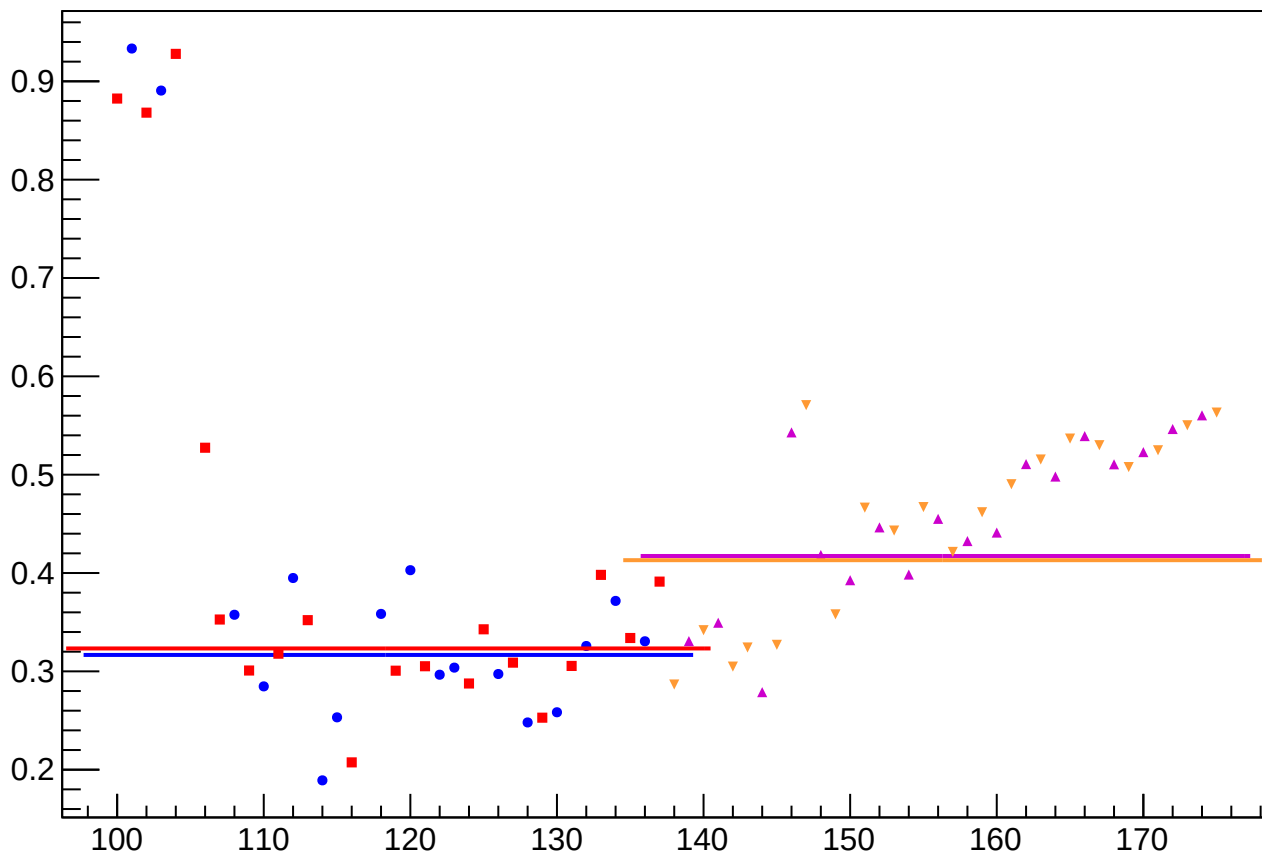
Right: 144.309 $\pm$ 0.000 χ^2/NDF : 8244852440.8/35

In: 146.027 $\pm$ 0.000 χ^2/NDF : 4515251023.9/34

Out: 146.669 $\pm$ 0.000 χ^2/NDF : 4884700276.5/38

All: 146.357 $\pm$ 0.000 χ^2/NDF : 9427487372.5

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.413 $\pm$ 0.000 χ^2/NDF :1424434.5/19

Right Out: 0.323 $\pm$ 0.000 χ^2/NDF : 1222784.7/18

Left In: 0.417 $\pm$ 0.000 χ^2/NDF :1122437.9/17

Left: 0.415 $\pm$ 0.000 χ^2/NDF : 2548286.5/37

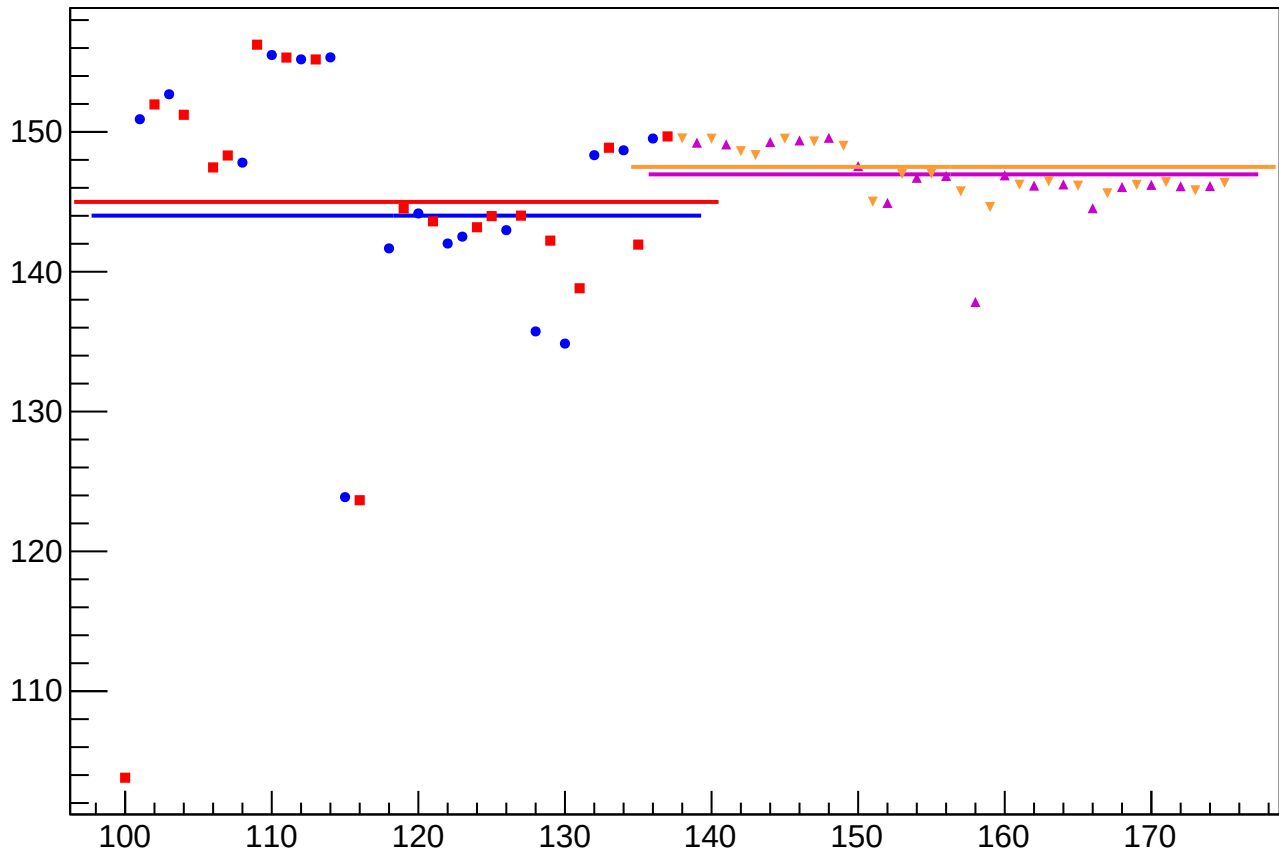
Right: 0.320 $\pm$ 0.000 χ^2/NDF : 2505560.8/35

In: 0.375 $\pm$ 0.000 χ^2/NDF :3046787.9/34

Out: 0.376 $\pm$ 0.000 χ^2/NDF :3181589.4/38

All: 0.376 $\pm$ 0.000 χ^2/NDF : 6228814.3/73

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 147.499 $\pm$ 0.000 χ^2 /NDF: 211360068.3/19

Right Out: 144.994 $\pm$ 0.000 χ^2 /NDF: 3852381452.1/18

Left In: 146.965 $\pm$ 0.000 χ^2 /NDF: 508840077.7/17

Left: 147.243 $\pm$ 0.000 χ^2 /NDF: 730632578.6/37

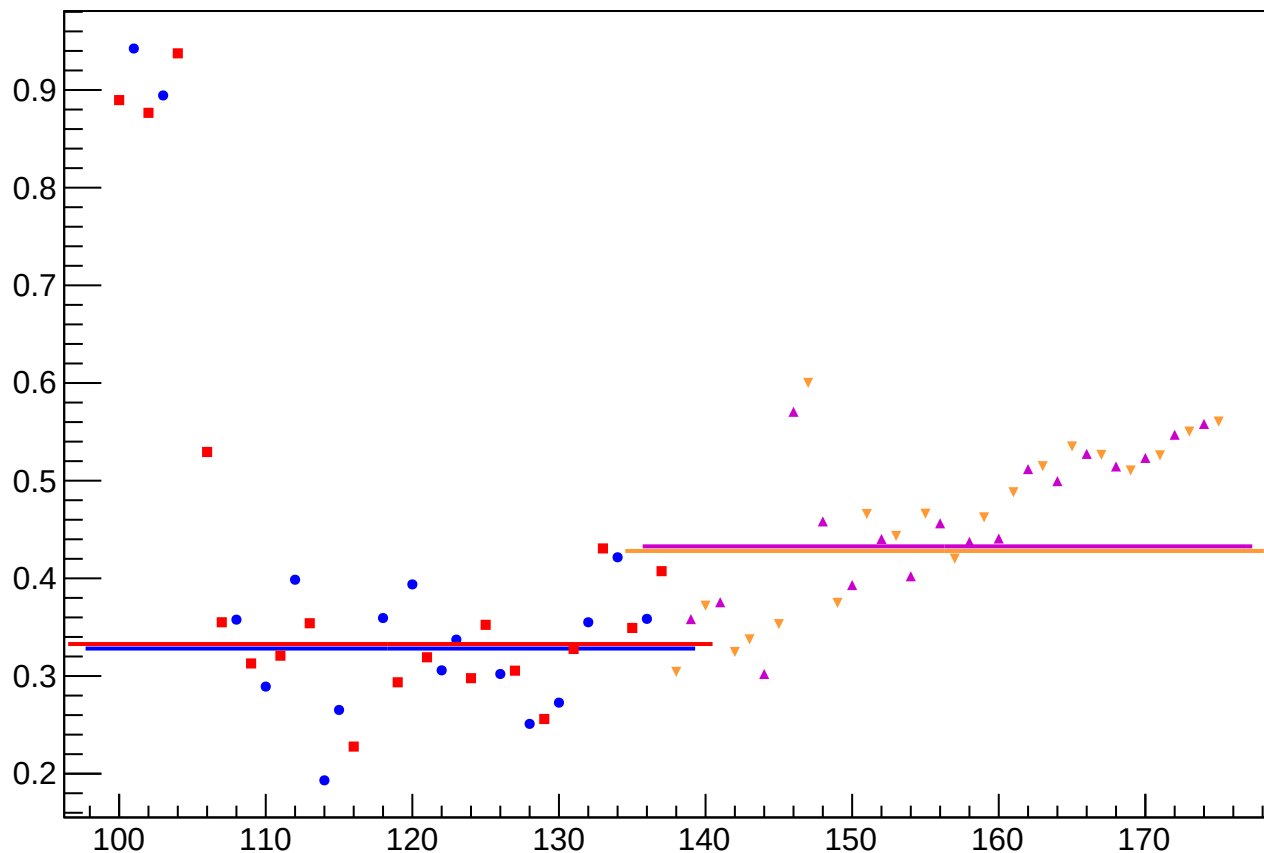
Right: 144.510 $\pm$ 0.000 χ^2 /NDF: 7119138597.7/35

In: 145.719 $\pm$ 0.000 χ^2 /NDF: 4009185194.4/34

Out: 146.474 $\pm$ 0.000 χ^2 /NDF: 4259630508.5/38

All: 146.108 $\pm$ 0.000 χ^2 /NDF: 8304491434.8

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.428 $\pm$ 0.000 χ^2/NDF :1111482.3/19

Right Out: 0.333 $\pm$ 0.000 χ^2/NDF : 1185129.6/18

Left In: 0.433 $\pm$ 0.000 χ^2/NDF :853982.1/17

Left: 0.430 $\pm$ 0.000 χ^2/NDF : 1967102.0/37

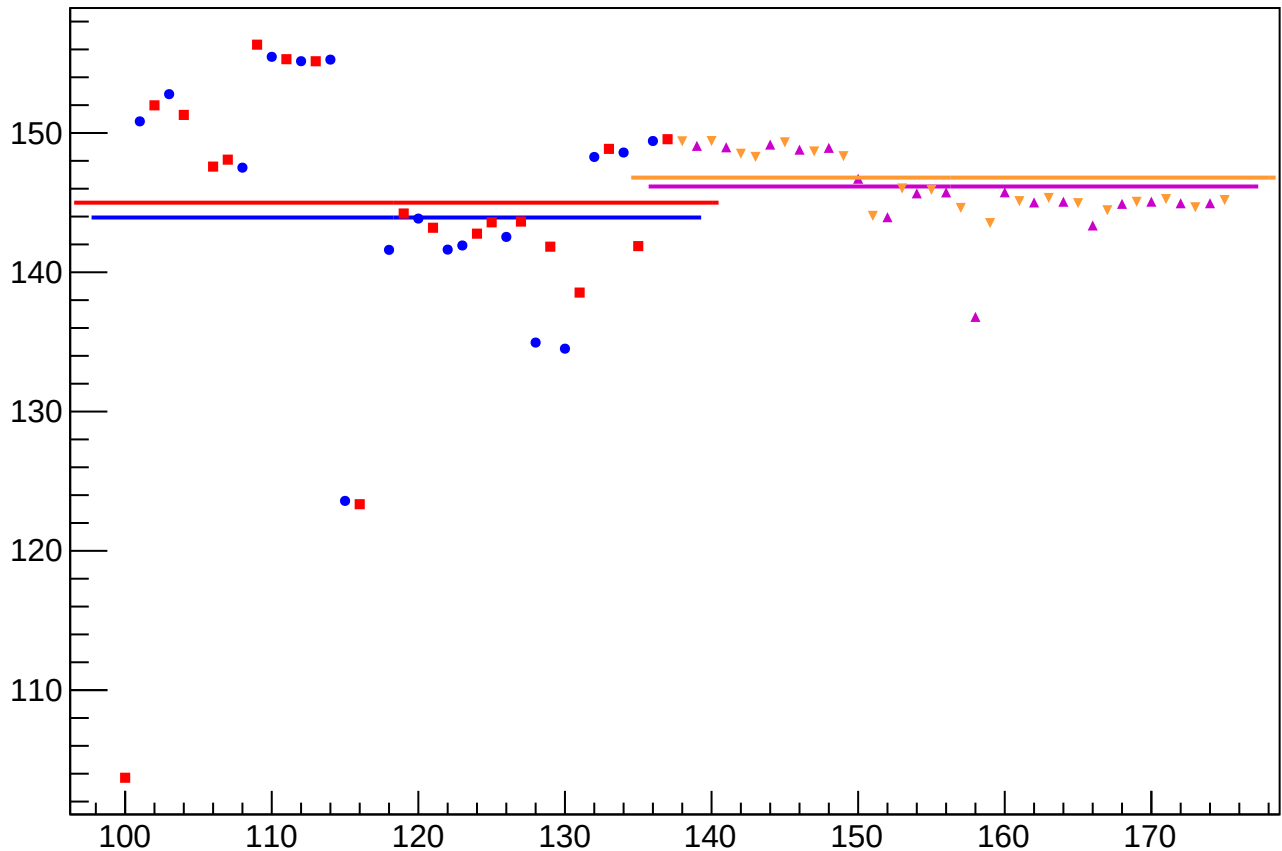
Right: 0.330 $\pm$ 0.000 χ^2/NDF : 2452140.8/35

In: 0.389 $\pm$ 0.000 χ^2/NDF :2769552.2/34

Out: 0.389 $\pm$ 0.000 χ^2/NDF :2863087.9/38

All: 0.389 $\pm$ 0.000 χ^2/NDF : 5632664.4/73

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 146.797 $\pm$ 0.000 χ^2 /NDF: 330198201.5/19

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3932958476.0/18

Left In: 146.159 $\pm$ 0.000 χ^2 /NDF: 633120392.1/17

Left: 146.491 $\pm$ 0.000 χ^2 /NDF: 978175929.6/37

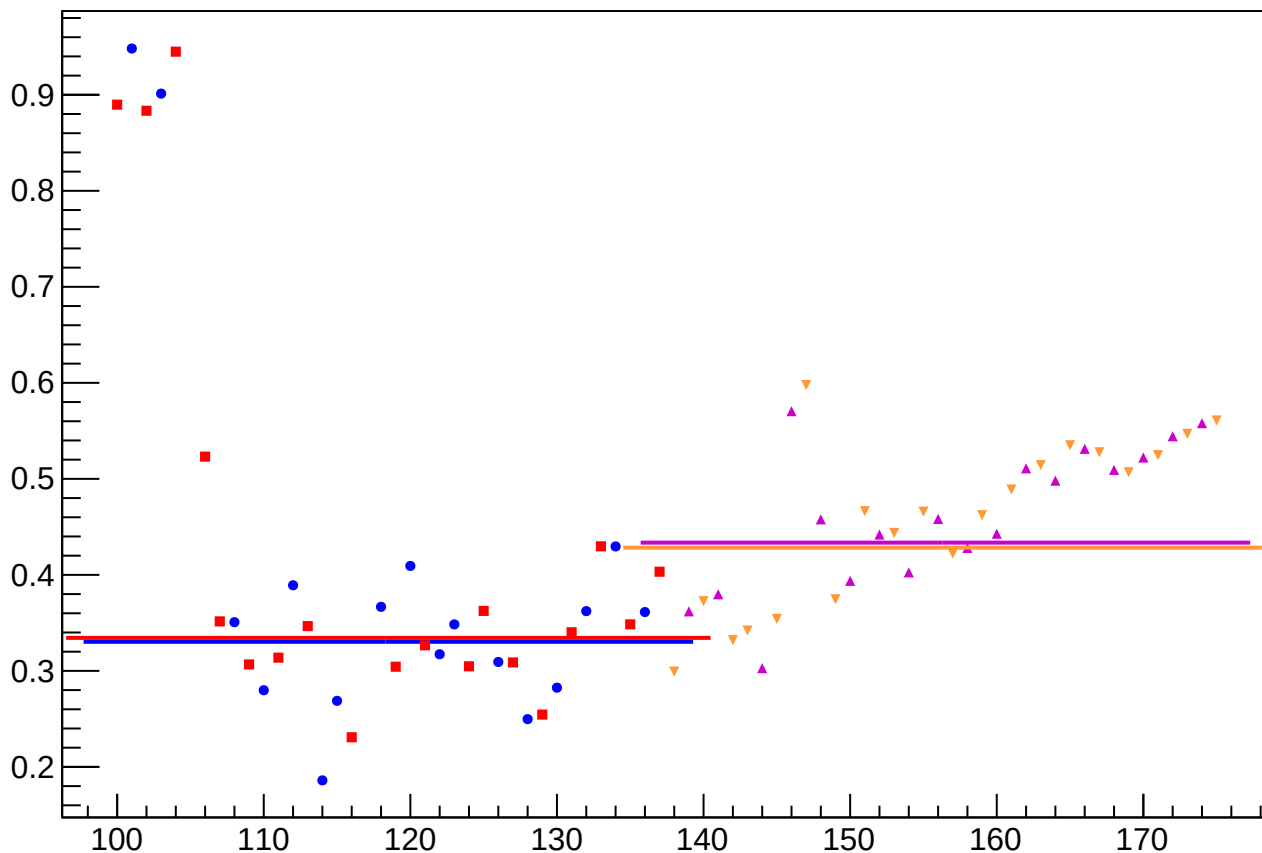
Right: 144.474 $\pm$ 0.000 χ^2 /NDF: 7345100324.4/35

In: 145.226 $\pm$ 0.000 χ^2 /NDF: 4161480133.8/34

Out: 146.065 $\pm$ 0.000 χ^2 /NDF: 4363384195.4/38

All: 145.659 $\pm$ 0.000 χ^2 /NDF: 8568544360.1

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.428+/-0.000 χ^2/NDF : 1100499.1/19

Right Out: 0.334+/-0.000 χ^2/NDF : 1174012.0/18

Left In: 0.434+/-0.000 χ^2/NDF : 825822.7/17

Left: 0.431+/-0.000 χ^2/NDF : 1928281.9/37

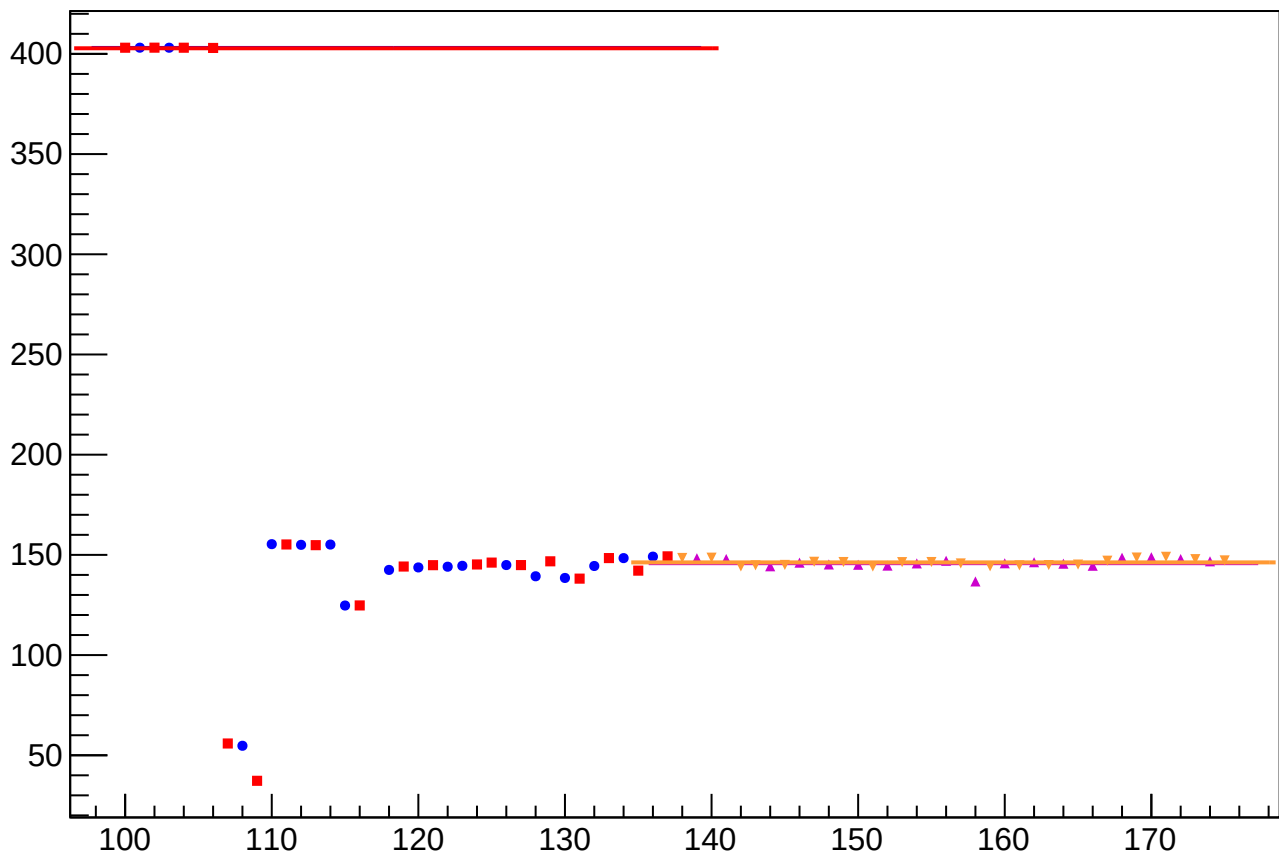
Right: 0.332+/-0.000 χ^2/NDF : 2458819.5/35

In: 0.390+/-0.000 χ^2/NDF : 2735051.6/34

Out: 0.390+/-0.000 χ^2/NDF : 2821619.3/38

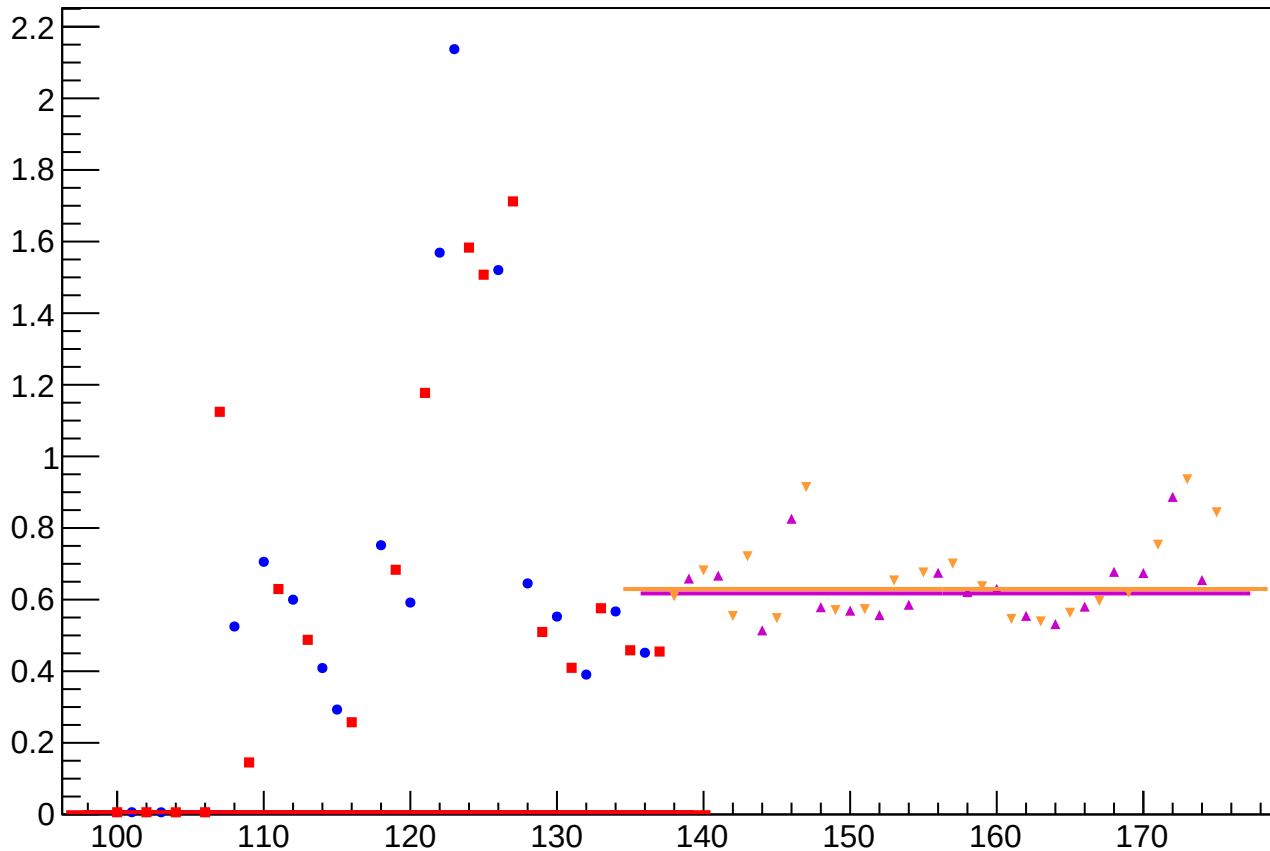
All: 0.390+/-0.000 χ^2/NDF : 5556675.7/73

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958 $\pm$ 0.000	χ^2 /NDF: 1094364588383.4/16	Left: 146.059 $\pm$ 0.000	χ^2 /NDF: 246920255.1/37
Left Out: 146.250 $\pm$ 0.000	χ^2 /NDF: 74307072.3/19	Right: 402.873 $\pm$ 0.000	χ^2 /NDF: 4196818264482.1
Right Out: 402.799 $\pm$ 0.000	χ^2 /NDF: 3102036567767.5/18	In: 402.729 $\pm$ 0.000	χ^2 /NDF: 2924407362308.6/34
Left In: 145.864 $\pm$ 0.000	χ^2 /NDF: 170520989.3/17	Out: 402.593 $\pm$ 0.000	χ^2 /NDF: 4966139869680.6/34
		All: 402.657 $\pm$ 0.000	χ^2 /NDF: 789085506412

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.630+/-0.000 χ^2/NDF : 548588.8/19

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

Left In: 0.617+/-0.000 χ^2/NDF : 350555.2/17

Left: 0.624+/-0.000 χ^2/NDF : 903494.9/37

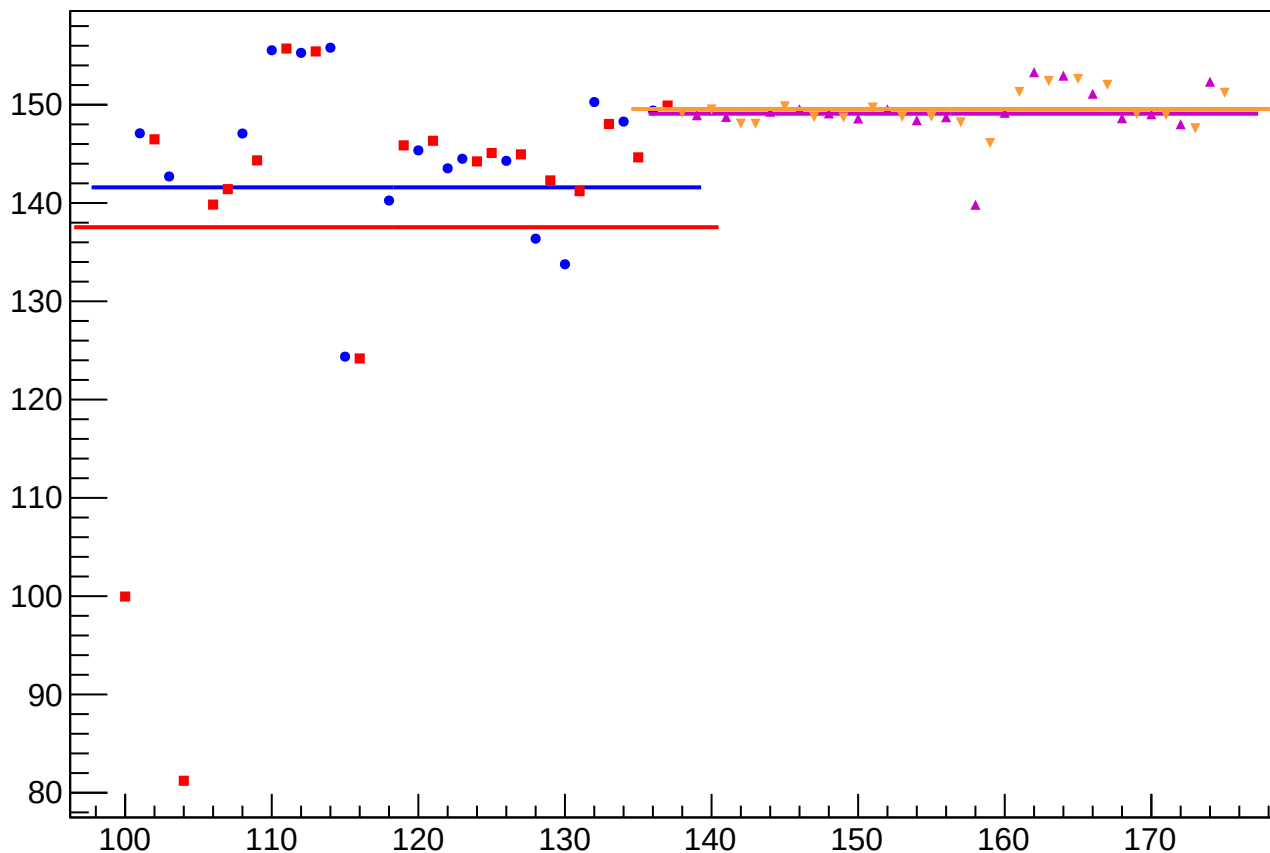
Right: 0.006+/-0.000 χ^2/NDF : 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF : 30093101.8/34

Out: 0.007+/-0.000 χ^2/NDF : 31752281.3/38

All: 0.007+/-0.000 χ^2/NDF : 61845474.7/73

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000

χ^2 /NDF: 980101868.2/16

Left Out: 149.567 $\pm$ 0.000

χ^2 /NDF: 127028623.3/19

Right Out: 137.539 $\pm$ 0.000

χ^2 /NDF: 1316096307.7/18

Left In: 149.088 $\pm$ 0.000

χ^2 /NDF: 387488300.5/17

Left: 149.334 $\pm$ 0.000

χ^2 /NDF: 519192823.3/37

Right: 139.514 $\pm$ 0.000

χ^2 /NDF: 2381261600.7/35

In: 147.565 $\pm$ 0.000

χ^2 /NDF: 1819417475.2/34

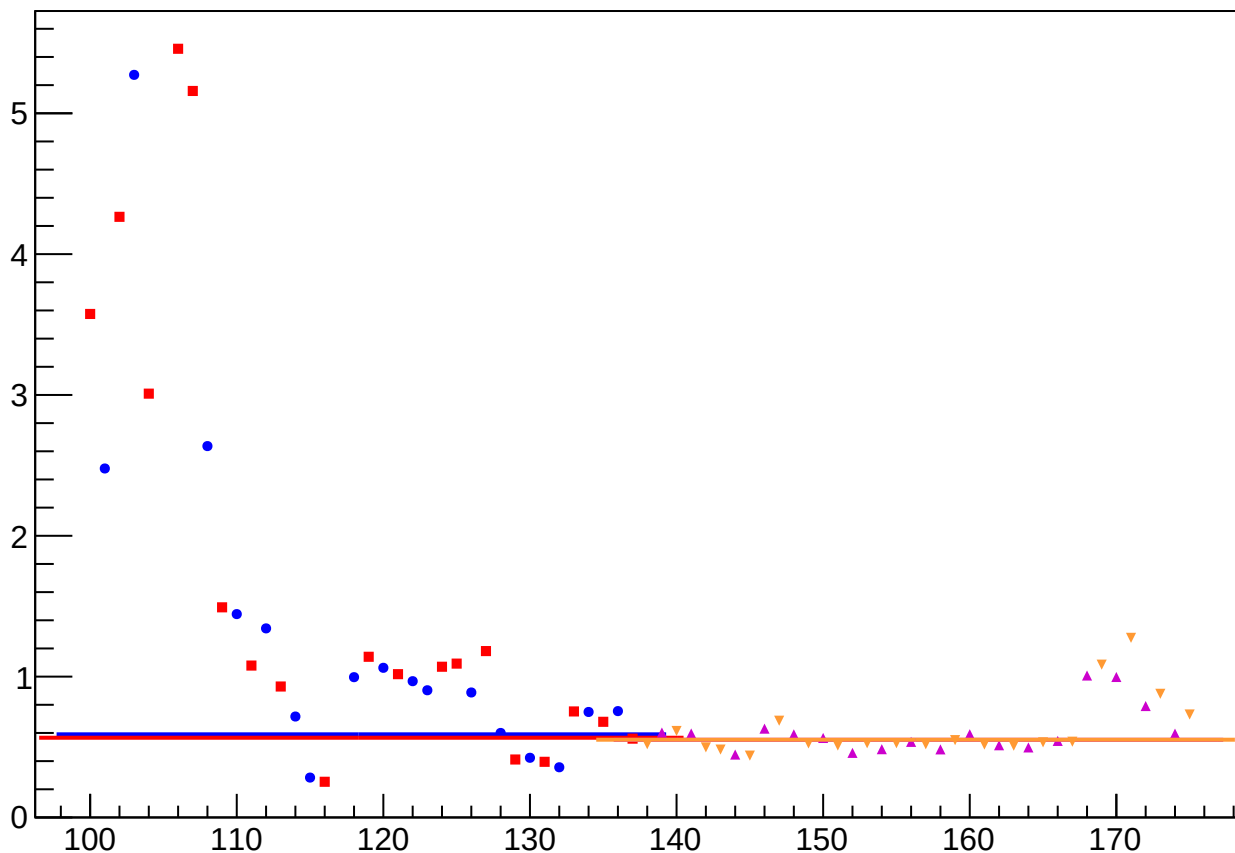
Out: 147.133 $\pm$ 0.000

χ^2 /NDF: 2668969490.8/38

All: 147.343 $\pm$ 0.000

χ^2 /NDF: 4493144368.6

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.552 $\pm$ 0.000 χ^2 /NDF:1310361.2/19

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

Left In: 0.551 $\pm$ 0.000 χ^2 /NDF:967530.5/17

Left: 0.552 $\pm$ 0.000 χ^2 /NDF: 2277921.9/37

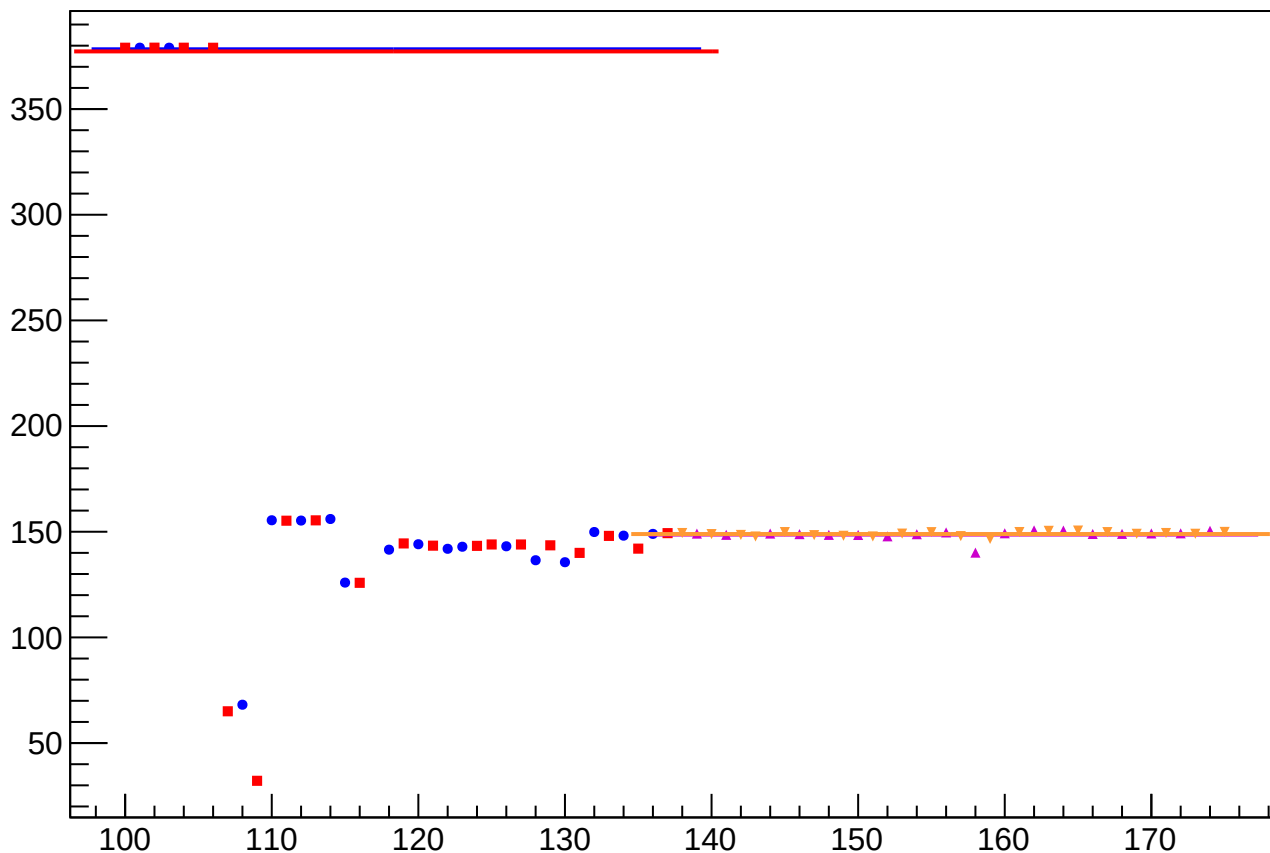
Right: 0.578 $\pm$ 0.000 χ^2 /NDF: 8181648.0/35

In: 0.559 $\pm$ 0.000 χ^2 /NDF:4484033.8/34

Out: 0.555 $\pm$ 0.000 χ^2 /NDF:5997270.5/38

All: 0.557 $\pm$ 0.000 χ^2 /NDF: 10482222.0/73

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283 +/- 0.000

χ^2/NDF : 2508313421453.8/16

Left: 148.789 +/- 0.000

χ^2/NDF : 307938059.9/37

Right: 377.752 +/- 0.000

χ^2/NDF : 10801647529340.0/35

Left Out: 148.905 +/- 0.000

χ^2/NDF : 62999373.4/19

Right Out: 377.287 +/- 0.000

χ^2/NDF : 8286303106836.4/18

In: 377.261 +/- 0.000

χ^2/NDF : 5631421594965.0/34

Out: 376.302 +/- 0.000

χ^2/NDF : 11703134691668.8/35

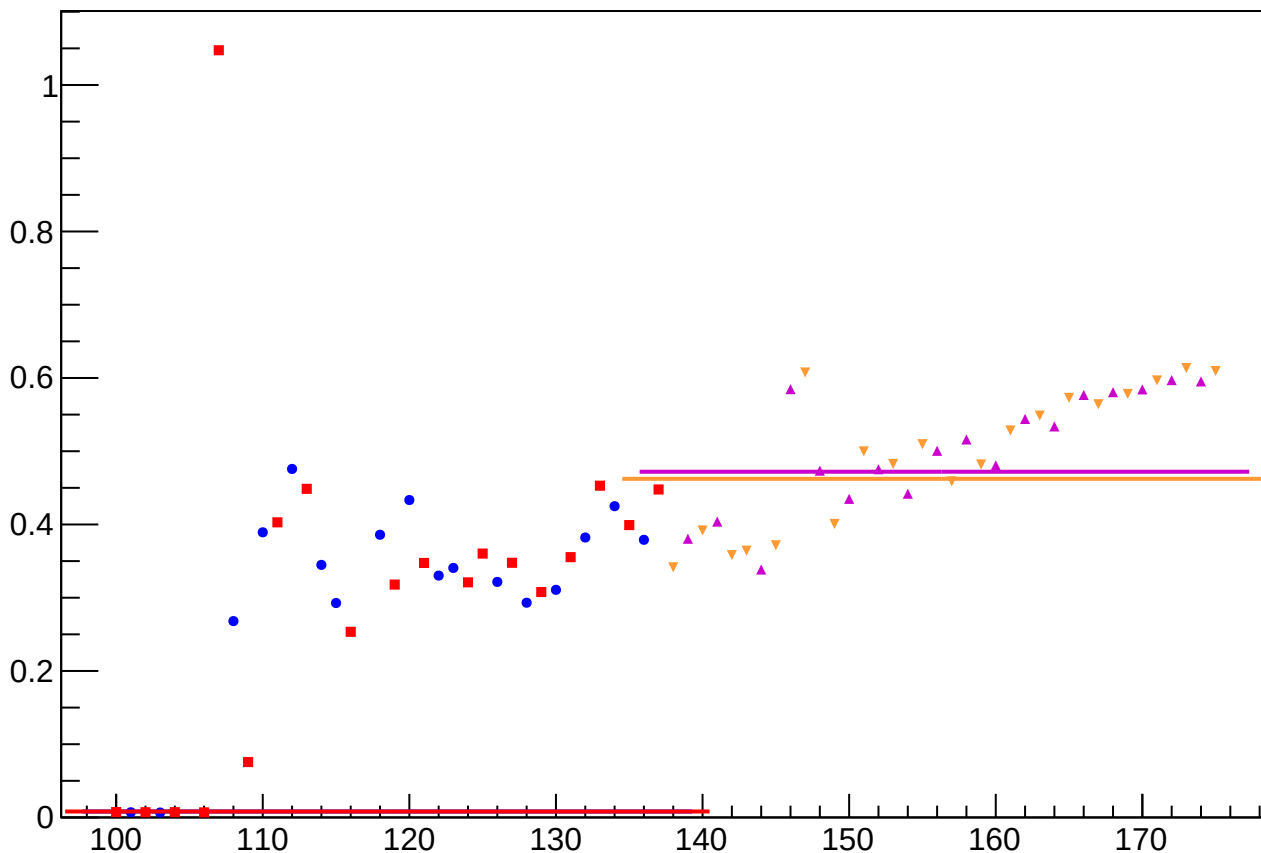
Left In: 148.660 +/- 0.000

χ^2/NDF : 243058953.2/17

All: 376.750 +/- 0.000

χ^2/NDF : 173411176438.0/35

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.462 $\pm$ 0.000 χ^2 /NDF: 1108455.6/19

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

Left In: 0.472 $\pm$ 0.000 χ^2 /NDF: 807435.4/17

Left: 0.467 $\pm$ 0.000 χ^2 /NDF: 1921740.3/37

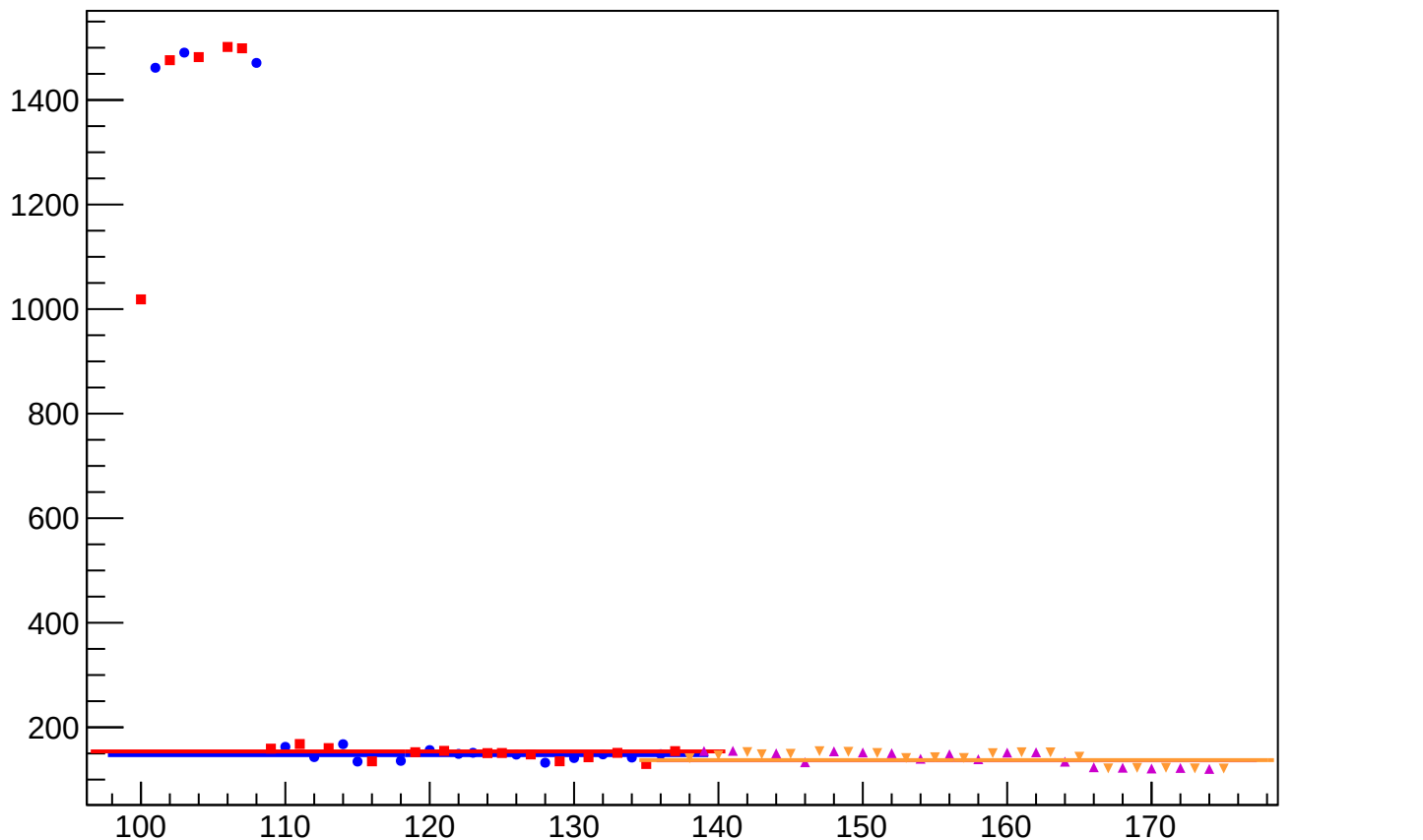
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 19329555.6/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF: 36105812.7/34

Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 37659122.1/38

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 73765022.8/73

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 137.258+/-0.000 χ^2/NDF : 3277054053.3/19

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

Left In: 136.911+/-0.000 χ^2/NDF : 3223808015.7/17

Left: 137.092+/-0.000 χ^2/NDF : 6501960470.1/37

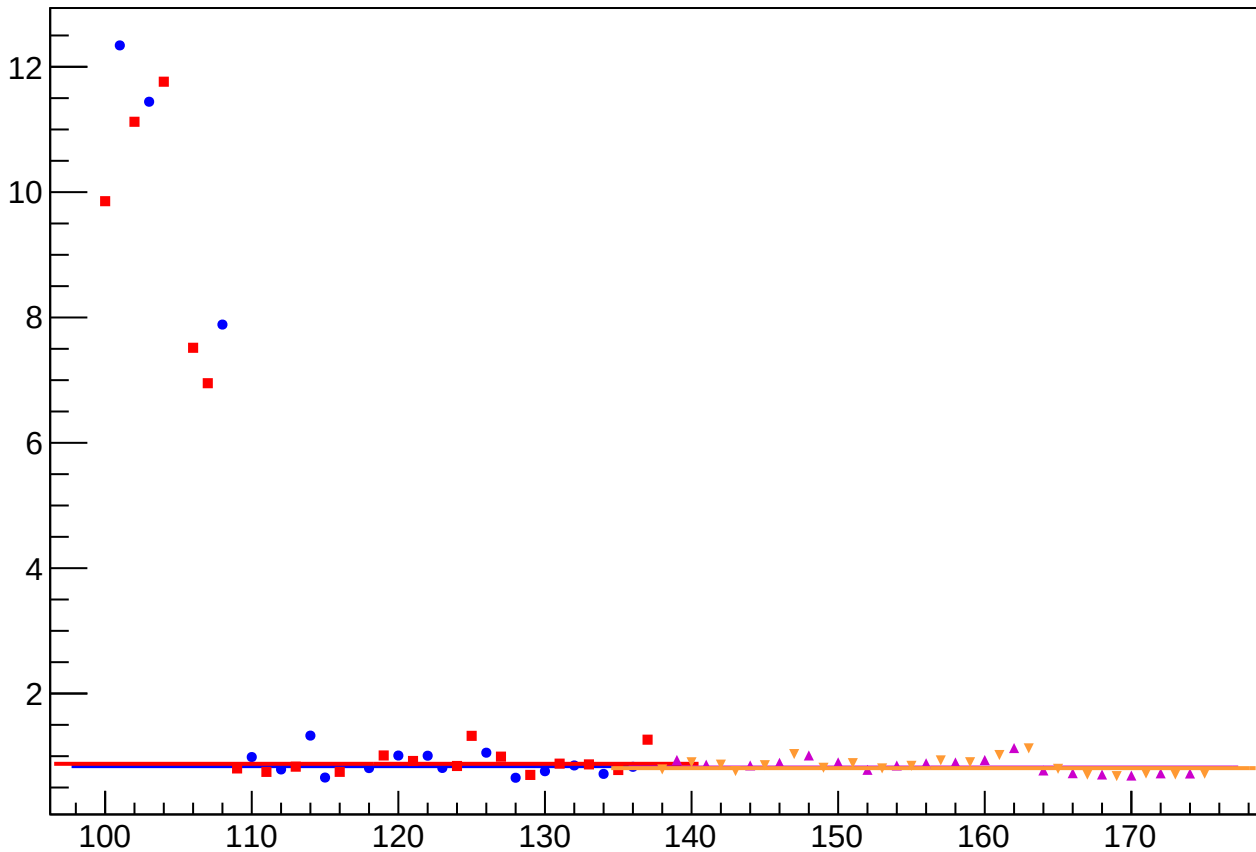
Right: 150.348+/-0.000 χ^2/NDF : 58231390734.2/35

In: 139.223+/-0.000 χ^2/NDF : 27985234301.1/34

Out: 140.878+/-0.000 χ^2/NDF : 38160653375.4/38

All: 140.077+/-0.000 χ^2/NDF : 66178122630.0

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.809 ± 0.000 χ^2/NDF : 461478.7/19

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

Left In: 0.819 ± 0.000 χ^2/NDF : 402145.8/17

Left: 0.814 ± 0.000 χ^2/NDF : 865383.6/37

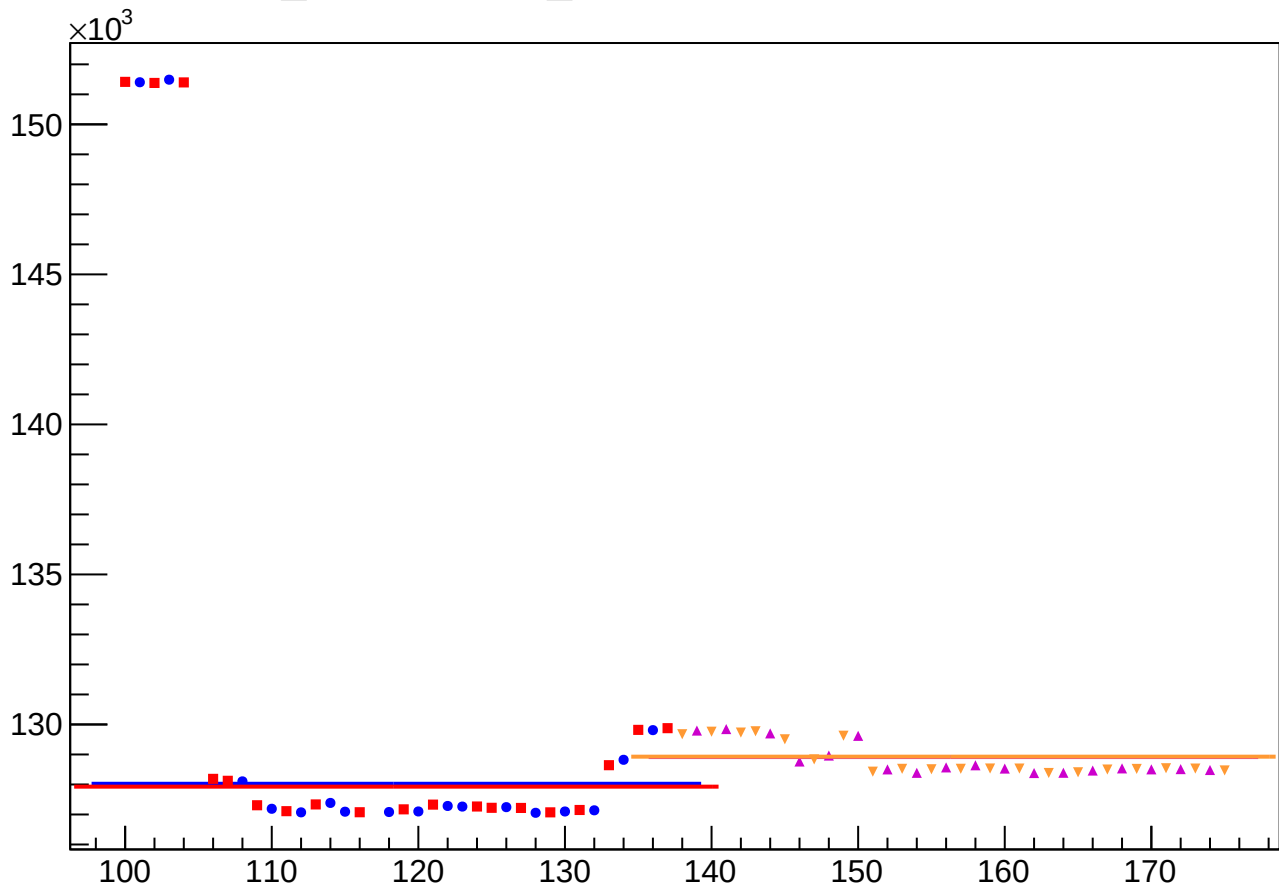
Right: 0.860 ± 0.000 χ^2/NDF : 5484331.4/35

In: 0.824 ± 0.000 χ^2/NDF : 3068533.3/34

Out: 0.824 ± 0.000 χ^2/NDF : 3315570.1/38

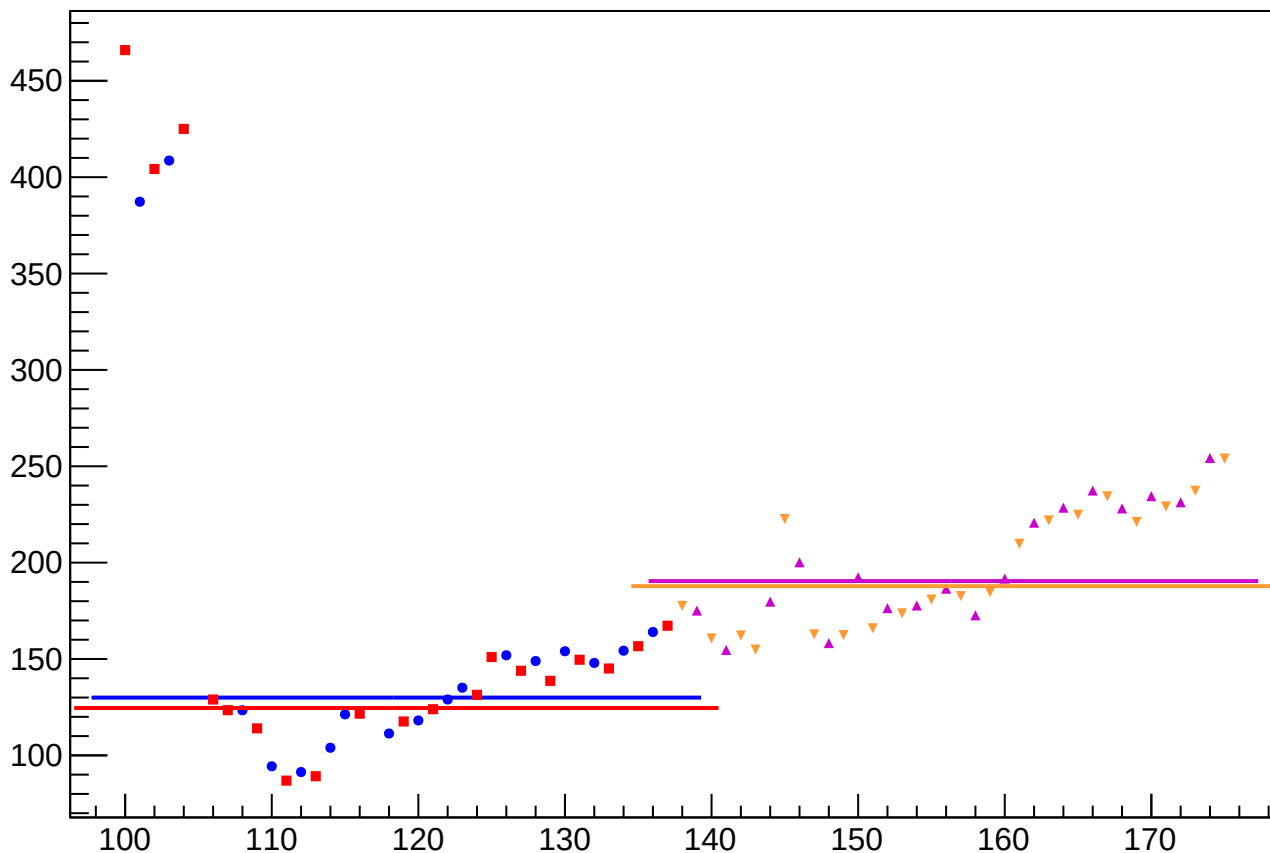
All: 0.824 ± 0.000 χ^2/NDF : 6384103.4/73

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128926.862 $\pm$ 0.049 χ^2 /NDF: 129553984.7/19
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128914.110 $\pm$ 0.052 χ^2 /NDF: 115243559.6/17
 Left: 128920.791 $\pm$ 0.036 χ^2 /NDF: 244829548.3/37
 Right: 127971.691 $\pm$ 0.037 χ^2 /NDF: 8085261759.1/37
 In: 128493.488 $\pm$ 0.037 χ^2 /NDF: 4572496356.9/34
 Out: 128439.097 $\pm$ 0.035 χ^2 /NDF: 4098108697.6/34
 All: 128464.581 $\pm$ 0.026 χ^2 /NDF: 867172426.0/68

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 187.809 $\pm$ 0.035 χ^2 /NDF: 695147.5/19

Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

Left In: 190.430 $\pm$ 0.036 χ^2 /NDF: 564689.3/17

Left: 189.057 $\pm$ 0.025 χ^2 /NDF: 1262539.6/37

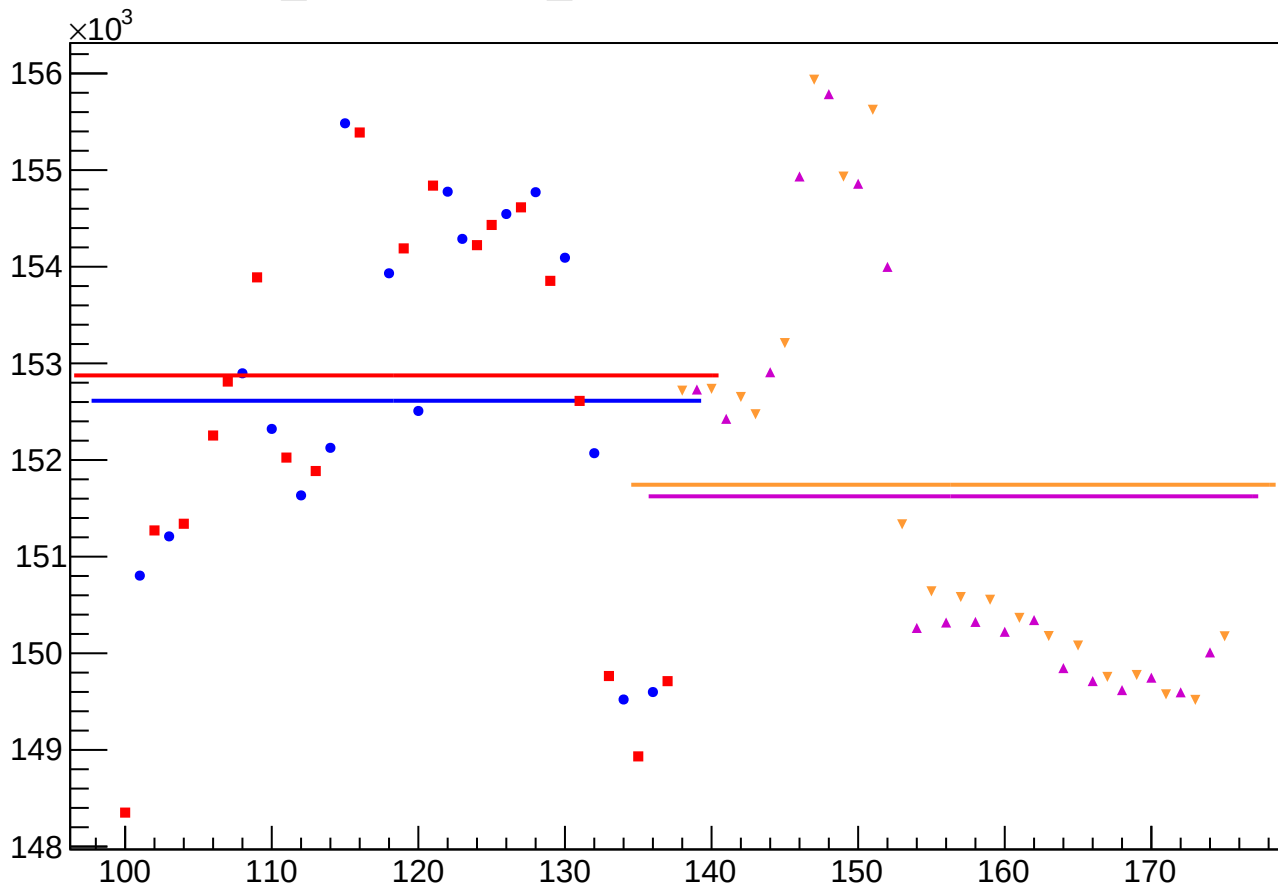
Right: 127.058 $\pm$ 0.026 χ^2 /NDF: 3027426.7/35

In: 161.879 $\pm$ 0.027 χ^2 /NDF: 3346808.2/34

Out: 156.943 $\pm$ 0.025 χ^2 /NDF: 3840315.1/38

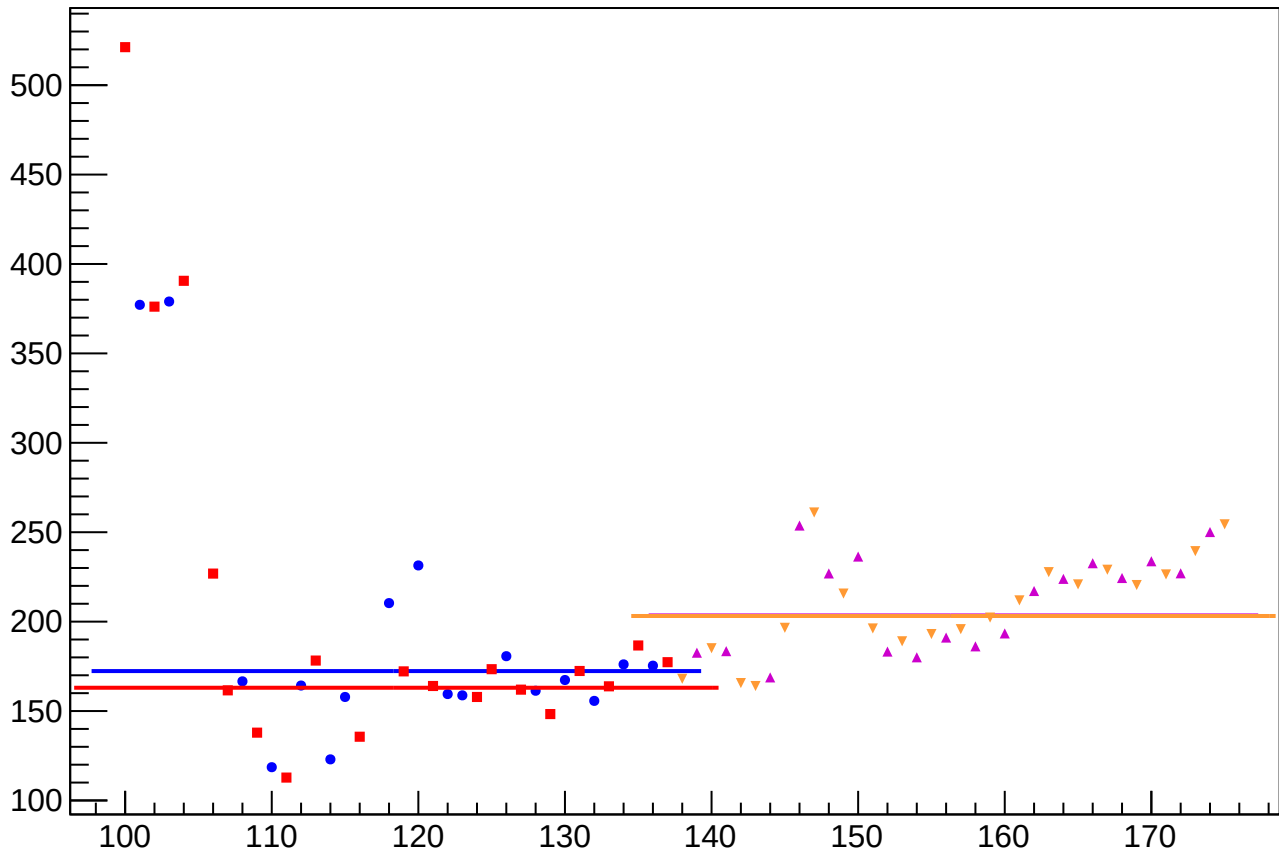
All: 159.256 $\pm$ 0.018 χ^2 /NDF: 7205561.6/73

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072	χ^2 /NDF: 623356098.4/16	Left: 151686.358 $\pm$ 0.038	χ^2 /NDF: 2532592461.5/3
Left Out: 151744.140 $\pm$ 0.053	χ^2 /NDF: 1274037373.8/19	Right: 152755.689 $\pm$ 0.049	χ^2 /NDF: 1346872378.3/19
Right Out: 152875.313 $\pm$ 0.066	χ^2 /NDF: 716358700.9/18	In: 151987.818 $\pm$ 0.044	χ^2 /NDF: 1997864502.7/34
Left In: 151624.200 $\pm$ 0.055	χ^2 /NDF: 1256100171.8/17	Out: 152187.355 $\pm$ 0.041	χ^2 /NDF: 2167986610.6/34
		All: 152093.163 $\pm$ 0.030	χ^2 /NDF: 417679778.0/17

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 203.152+/-0.038 χ^2/NDF : 469471.4/19

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

Left In: 203.483+/-0.039 χ^2/NDF : 438583.6/17

Left: 203.312+/-0.027 χ^2/NDF : 908092.3/37

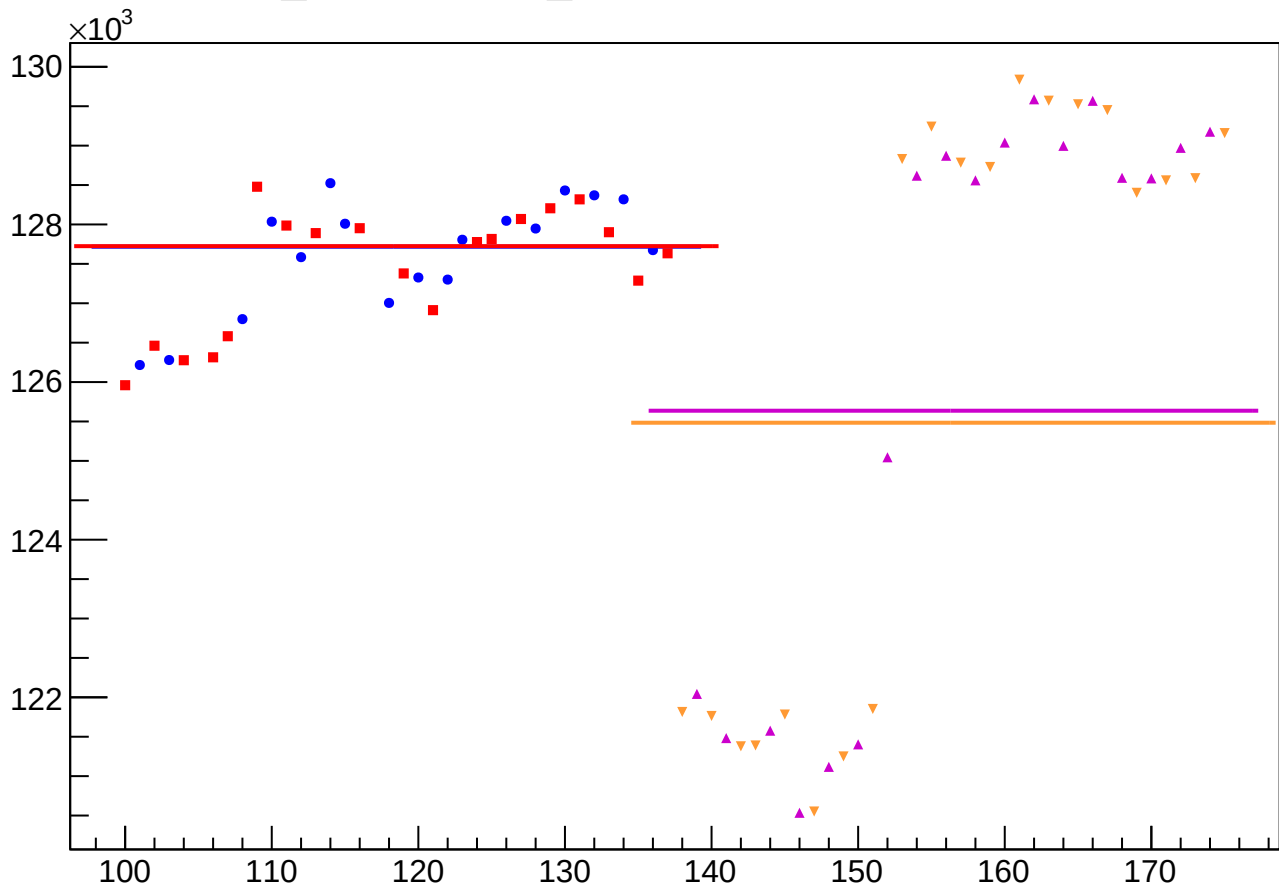
Right: 167.282+/-0.035 χ^2/NDF : 1972741.3/35

In: 192.036+/-0.031 χ^2/NDF : 1595188.5/34

Out: 187.431+/-0.029 χ^2/NDF : 1949073.0/38

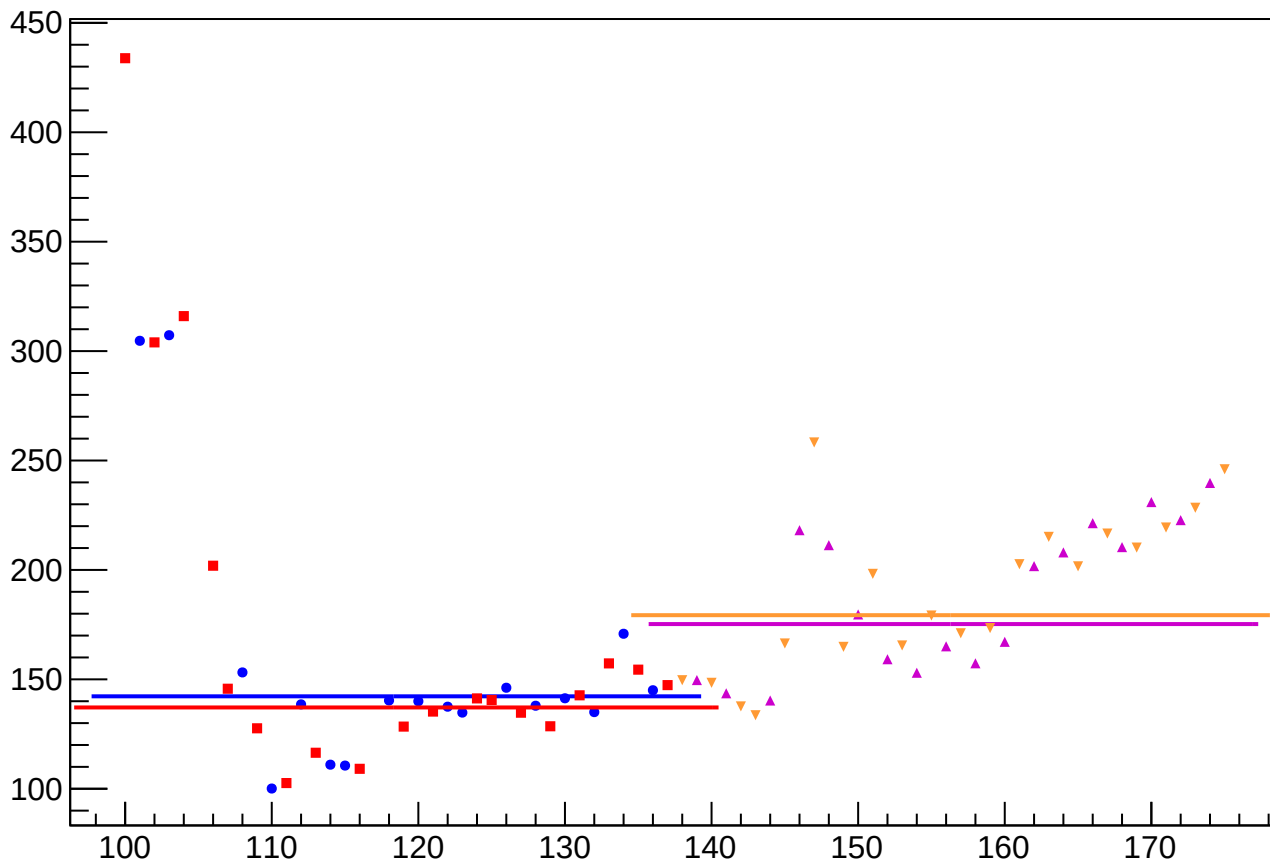
All: 189.605+/-0.021 χ^2/NDF : 3555920.3/73

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058	χ^2 /NDF: 95177660.2/16	Left: 125559.608 $\pm$ 0.034	χ^2 /NDF: 11782539623.4
Left Out: 125484.212 $\pm$ 0.047	χ^2 /NDF: 6265227153.1/19	Right: 127721.424 $\pm$ 0.040	χ^2 /NDF: 207735167.4/3
Right Out: 127724.519 $\pm$ 0.055	χ^2 /NDF: 112550604.4/18	In: 126477.039 $\pm$ 0.037	χ^2 /NDF: 6367654666.1/34
Left In: 125636.526 $\pm$ 0.048	χ^2 /NDF: 5512221065.1/17	Out: 126450.726 $\pm$ 0.036	χ^2 /NDF: 7337762376.0/3
		All: 126463.440 $\pm$ 0.026	χ^2 /NDF: 137056778

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 179.319+/-0.034 χ^2/NDF : 942661.3/19

Right Out: 137.151+/-0.039 χ^2/NDF : 957730.8/18

Left In: 175.260+/-0.034 χ^2/NDF : 835801.4/17

Left: 177.310+/-0.024 χ^2/NDF : 1785696.2/37

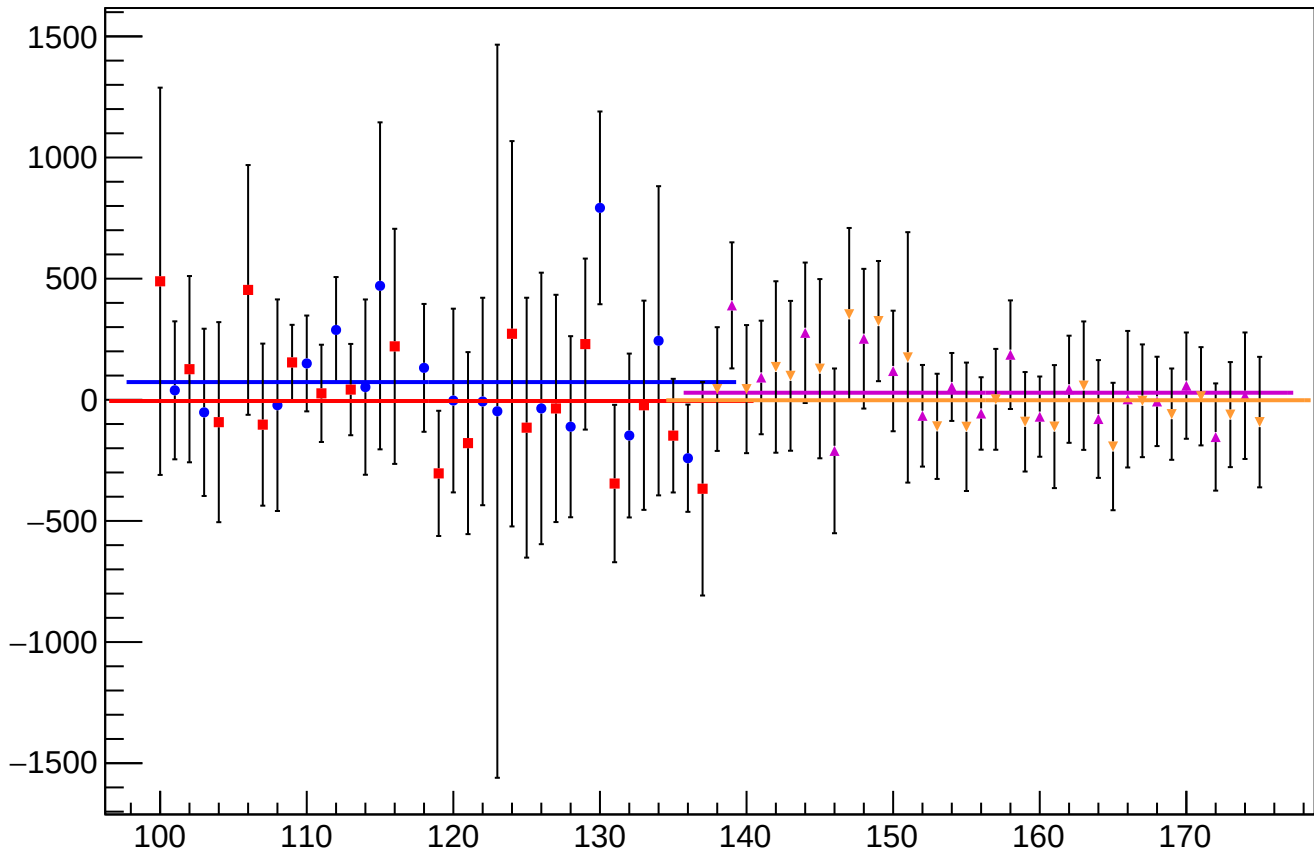
Right: 139.526+/-0.028 χ^2/NDF : 1802277.5/35

In: 161.926+/-0.026 χ^2/NDF : 2054900.7/34

Out: 161.127+/-0.025 χ^2/NDF : 2580614.6/38

All: 161.513+/-0.018 χ^2/NDF : 4635995.7/73

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: -1.827+/-56.282 χ^2/NDF : 4.9/19

Right Out: -5.021+/-70.098 χ^2/NDF : 7.1/18

Left In: 29.129+/-50.533 χ^2/NDF : 6.3/17

Left: 15.312+/-37.601 χ^2/NDF : 11.4/37

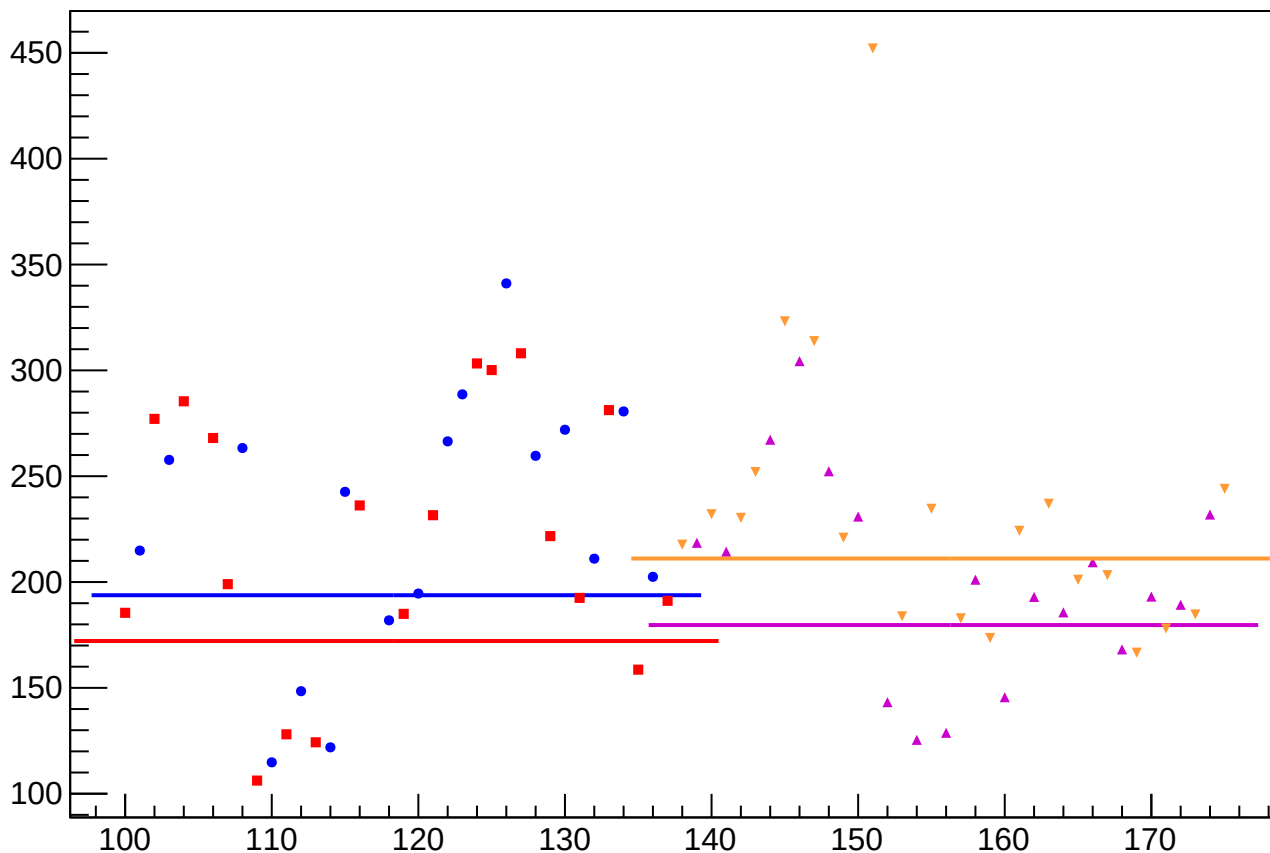
Right: 29.103+/-52.608 χ^2/NDF : 15.5/35

In: 41.762+/-42.663 χ^2/NDF : 14.4/34

Out: -3.079+/-43.887 χ^2/NDF : 12.0/38

All: 19.975+/-30.591 χ^2/NDF : 26.9/73

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 211.109+/-0.040 χ^2/NDF :1246693.7/19

Right Out: 172.142+/-0.050 χ^2/NDF : 1580035.1/18

Left In: 179.677+/-0.036 χ^2/NDF :1575536.0/17

Left: 193.706+/-0.027 χ^2/NDF : 3167599.3/37

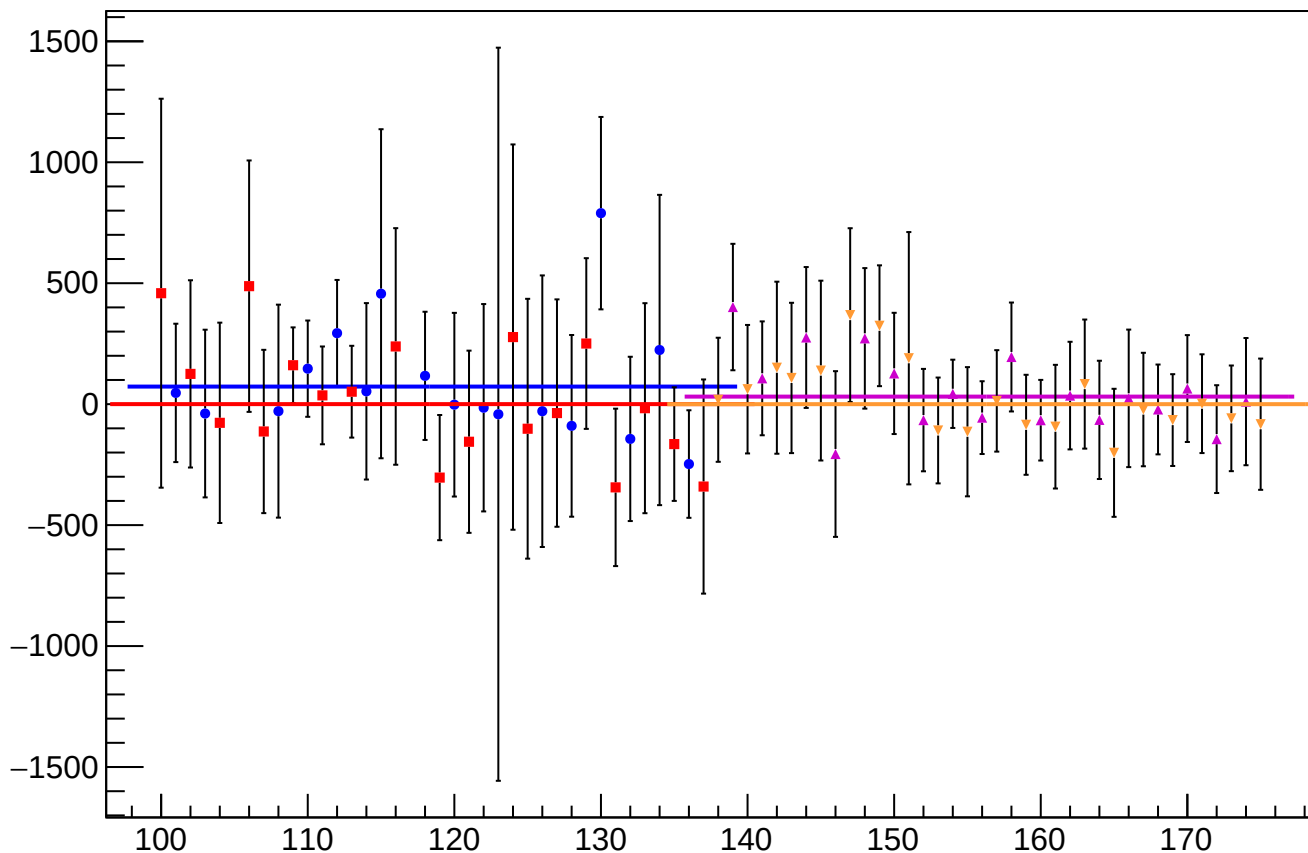
Right: 181.589+/-0.037 χ^2/NDF : 2680292.0/35

In: 183.725+/-0.030 χ^2/NDF :2637316.3/34

Out: 195.835+/-0.031 χ^2/NDF :3202507.1/38

All: 189.609+/-0.022 χ^2/NDF : 5918111.0/73

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: -0.016+/-56.655 χ^2/NDF : 5.1/19

Right Out: 0.181+/-70.467 χ^2/NDF : 7.3/18

Left In: 31.231+/-50.853 χ^2/NDF : 6.4/17

Left: 17.289+/-37.844 χ^2/NDF : 11.7/37

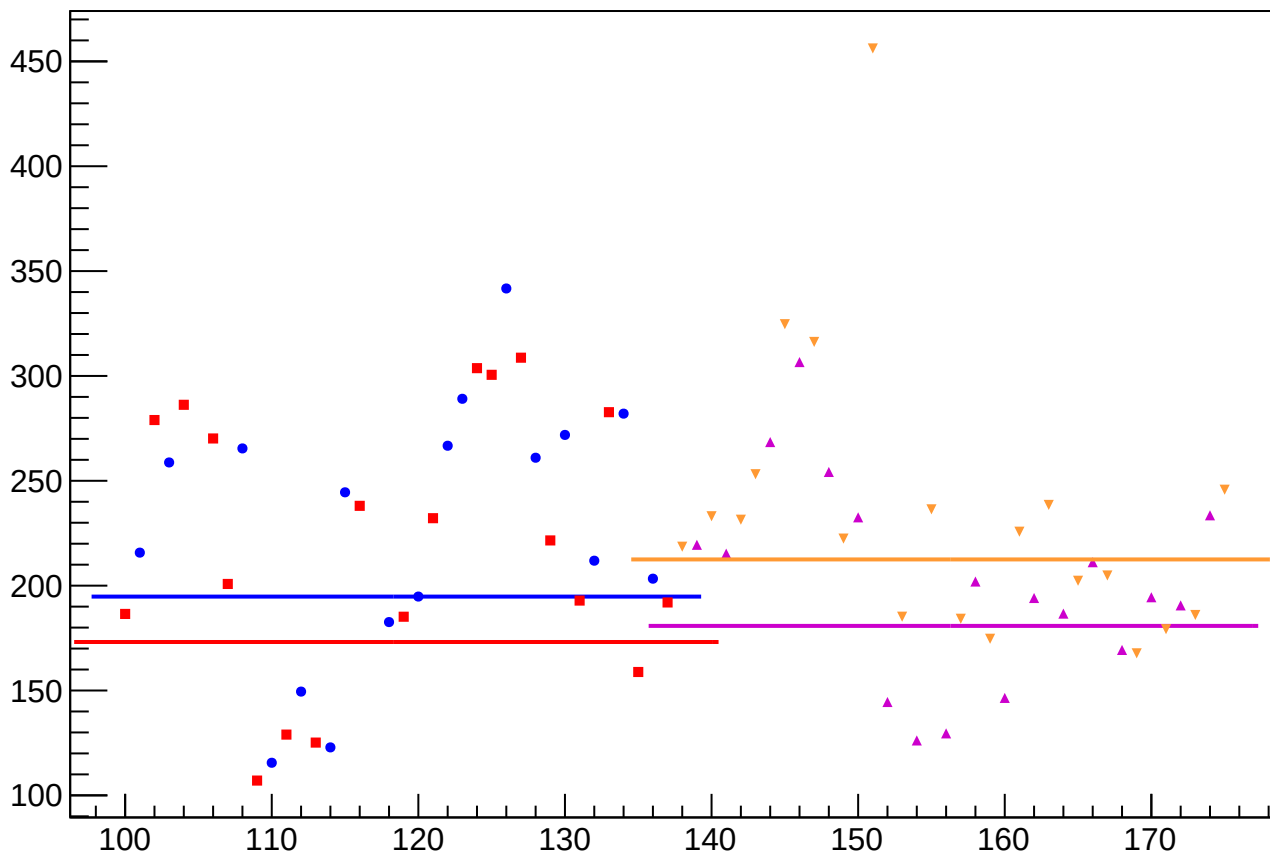
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 43.160+/-42.915 χ^2/NDF : 14.4/34

Out: 0.061+/-44.154 χ^2/NDF : 12.4/38

All: 22.223+/-30.774 χ^2/NDF : 27.2/73

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 212.502 $\pm$ 0.040 χ^2 /NDF:1245597.8/19

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

Left In: 180.809 $\pm$ 0.036 χ^2 /NDF:1574803.7/17

Left: 194.951 $\pm$ 0.027 χ^2 /NDF: 3167010.7/37

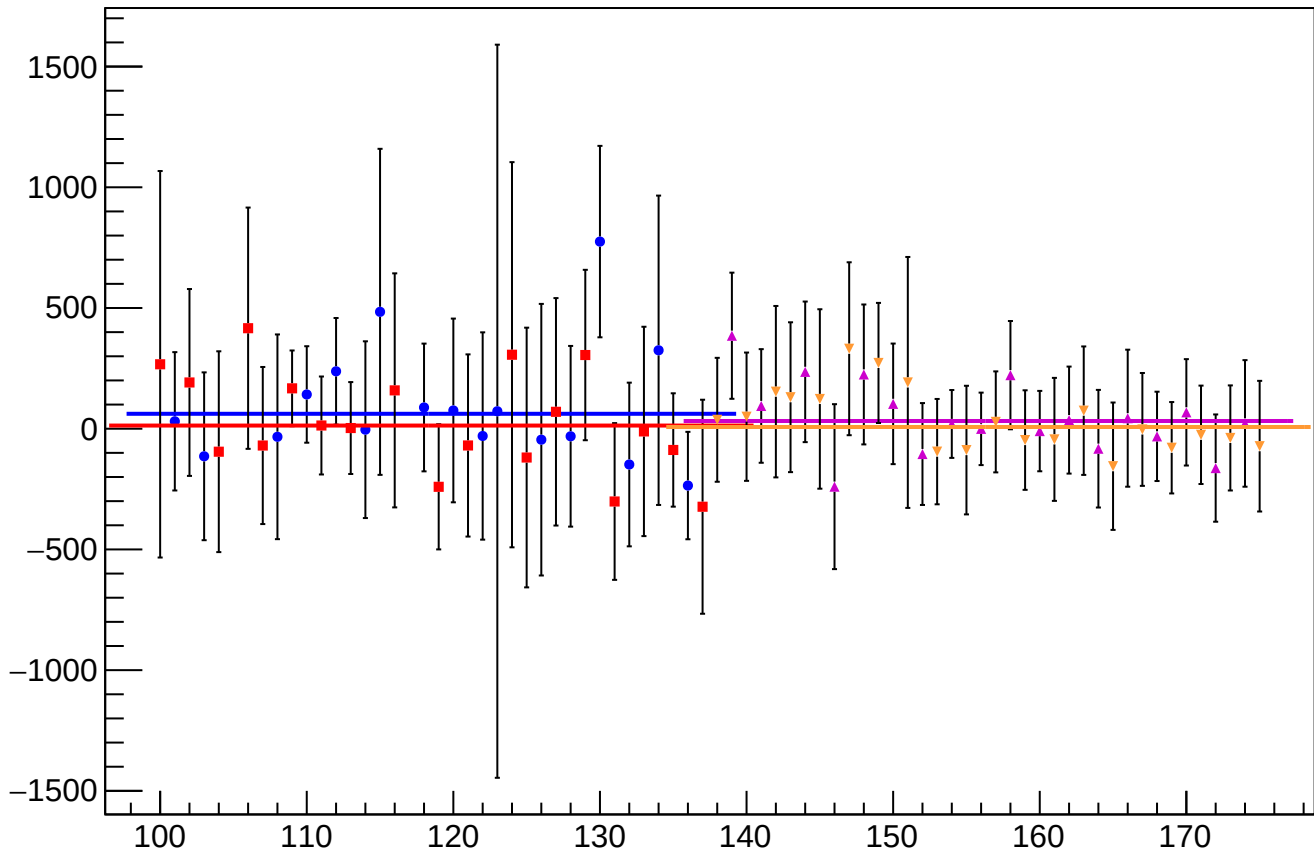
Right: 182.592 $\pm$ 0.037 χ^2 /NDF: 2658346.9/35

In: 184.831 $\pm$ 0.030 χ^2 /NDF:2626556.9/34

Out: 197.045 $\pm$ 0.031 χ^2 /NDF:3192363.7/38

All: 190.764 $\pm$ 0.022 χ^2 /NDF: 5897610.1/73

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 7.067 $\pm$ 56.521 χ^2 /NDF:3.8/19

Right Out: 13.101 $\pm$ 70.391 χ^2 /NDF: 5.8/18

Left In: 31.980 $\pm$ 50.720 χ^2 /NDF:5.9/17

Left: 20.867 $\pm$ 37.749 χ^2 /NDF: 9.9/37

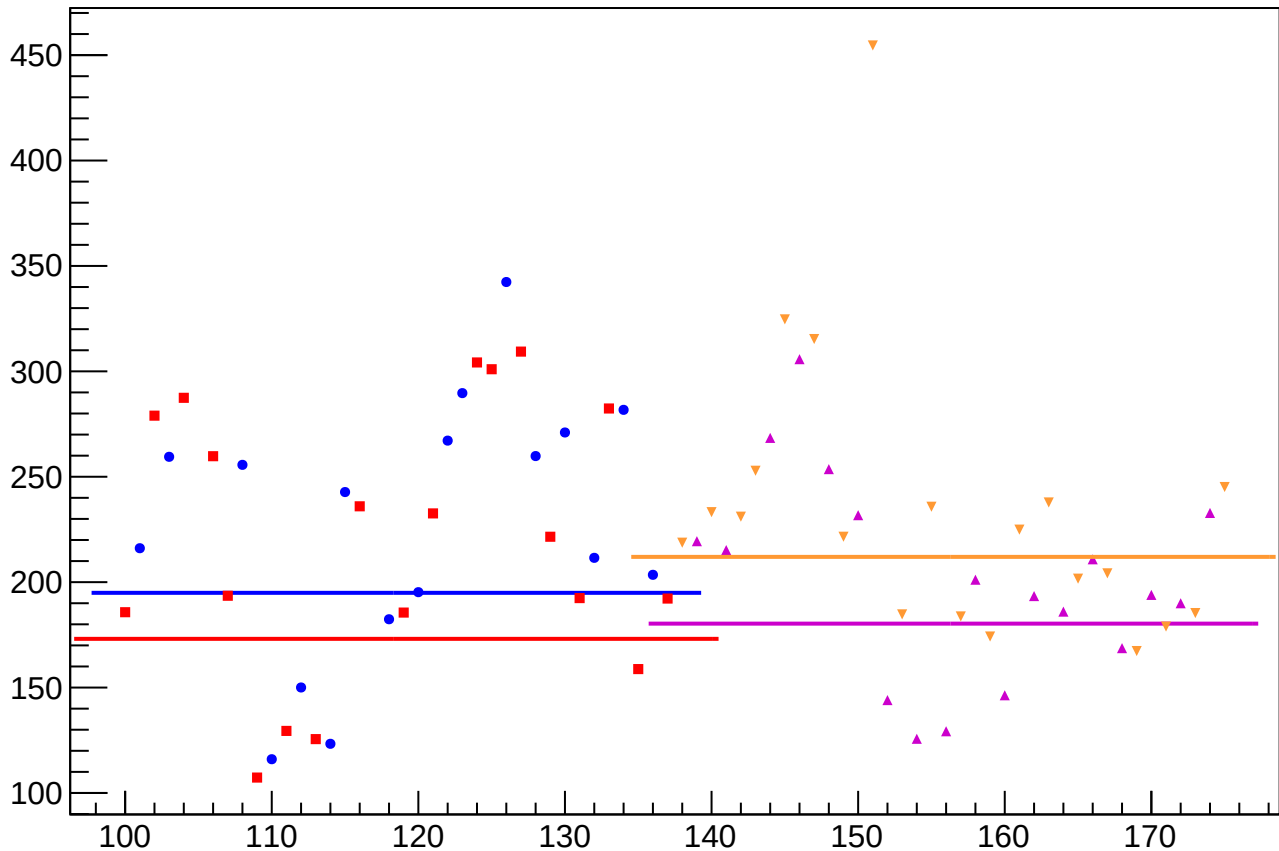
Right: 34.362 $\pm$ 52.842 χ^2 /NDF: 13.2/35

In: 40.536 $\pm$ 42.834 χ^2 /NDF:13.3/34

Out: 9.433 $\pm$ 44.072 χ^2 /NDF:9.6/38

All: 25.427 $\pm$ 30.717 χ^2 /NDF: 23.1/73

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 211.993 $\pm$ 0.040 χ^2 /NDF:1247719.1/19

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

Left In: 180.327 $\pm$ 0.036 χ^2 /NDF:1578317.9/17

Left: 194.452 $\pm$ 0.027 χ^2 /NDF: 3173774.5/37

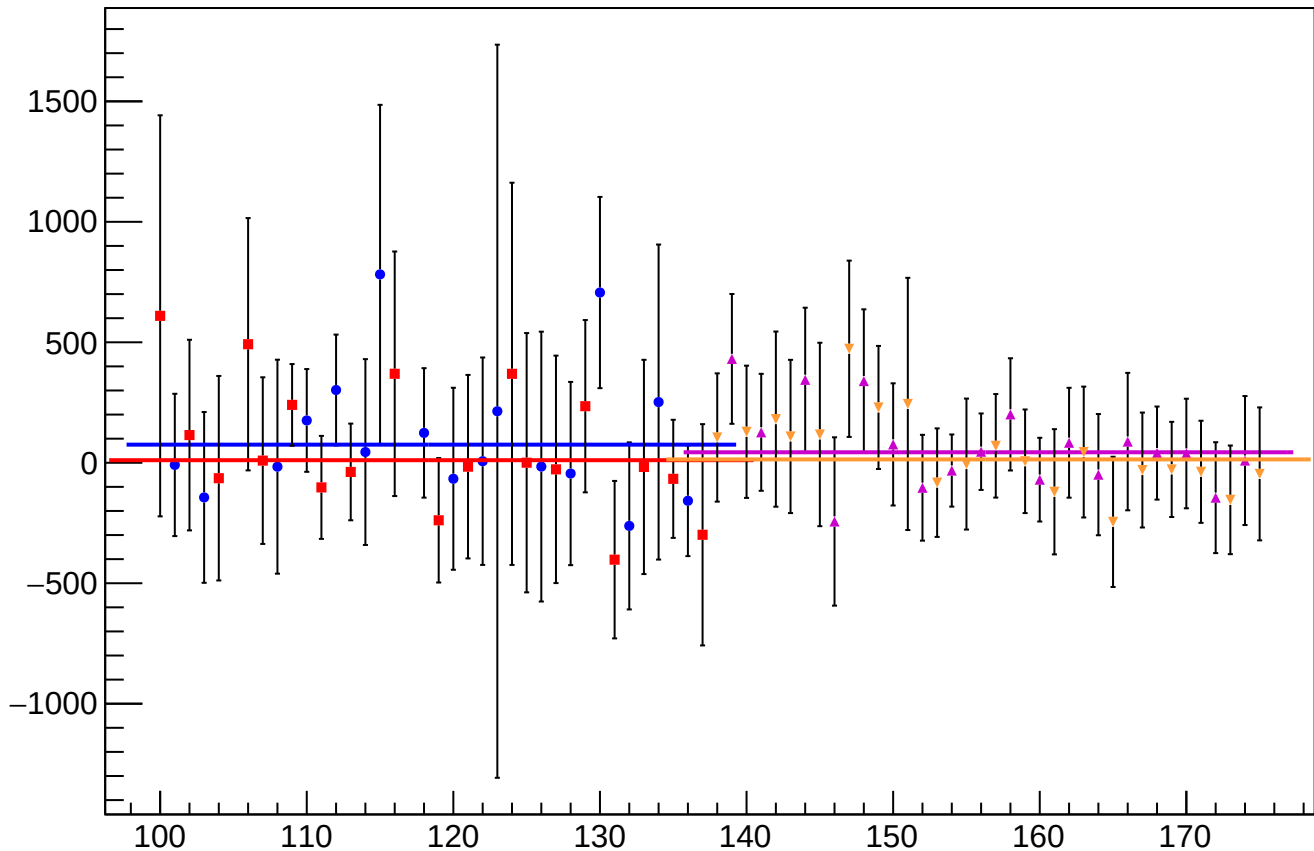
Right: 182.637 $\pm$ 0.037 χ^2 /NDF: 2615306.2/35

In: 184.517 $\pm$ 0.030 χ^2 /NDF:2612551.7/34

Out: 196.750 $\pm$ 0.031 χ^2 /NDF:3163495.8/38

All: 190.460 $\pm$ 0.022 χ^2 /NDF: 5855284.5/73

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 13.917 $\pm$ 58.211 χ^2 /NDF:5.3/19

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: 43.567 $\pm$ 52.713 χ^2 /NDF:7.3/17

Left: 30.208 $\pm$ 39.073 χ^2 /NDF: 12.8/37

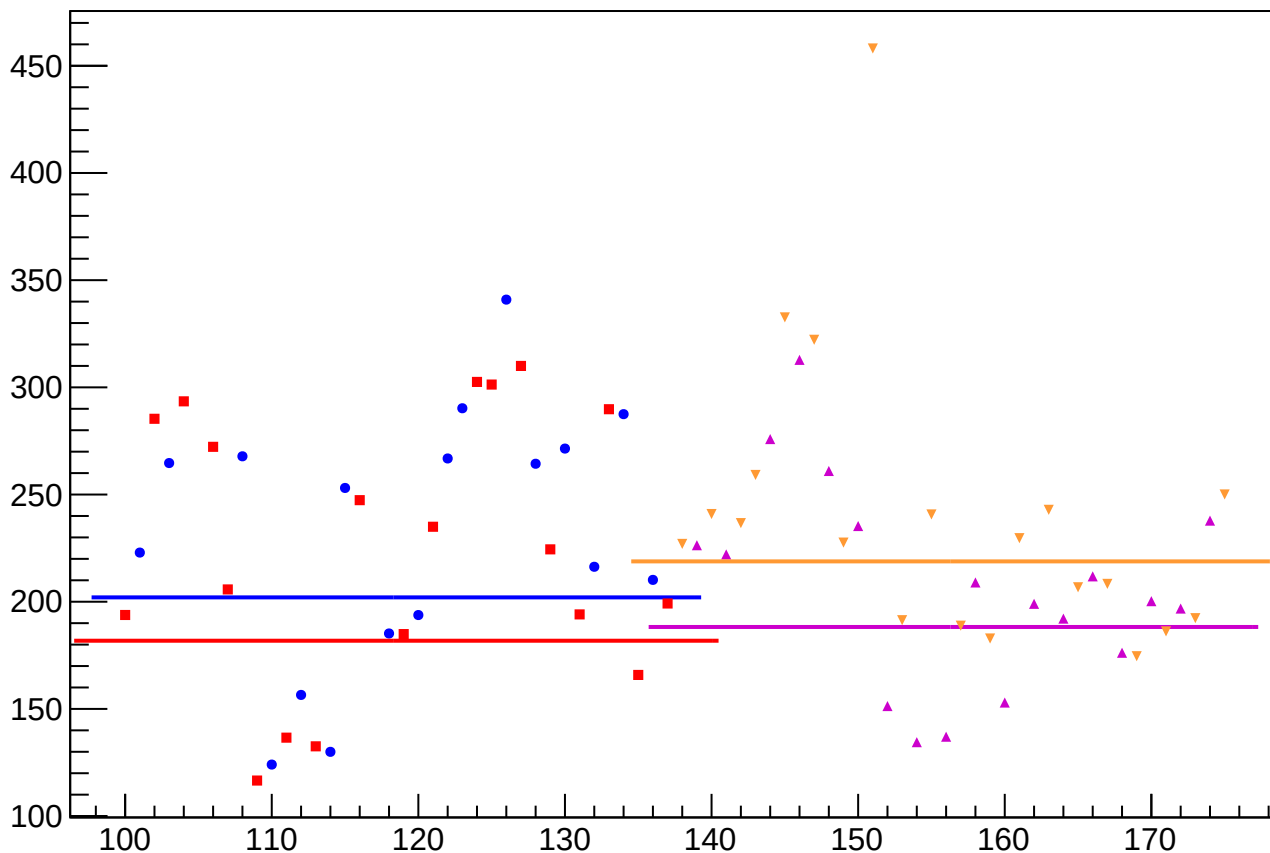
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 52.738 $\pm$ 44.421 χ^2 /NDF:15.1/34

Out: 12.663 $\pm$ 45.594 χ^2 /NDF:13.2/38

All: 33.223 $\pm$ 31.817 χ^2 /NDF: 28.7/73

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 218.818 $\pm$ 0.041 χ^2 /NDF:1176341.3/19

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

Left In: 188.225 $\pm$ 0.037 χ^2 /NDF:1417450.0/17

Left: 202.009 $\pm$ 0.028 χ^2 /NDF: 2897317.0/37

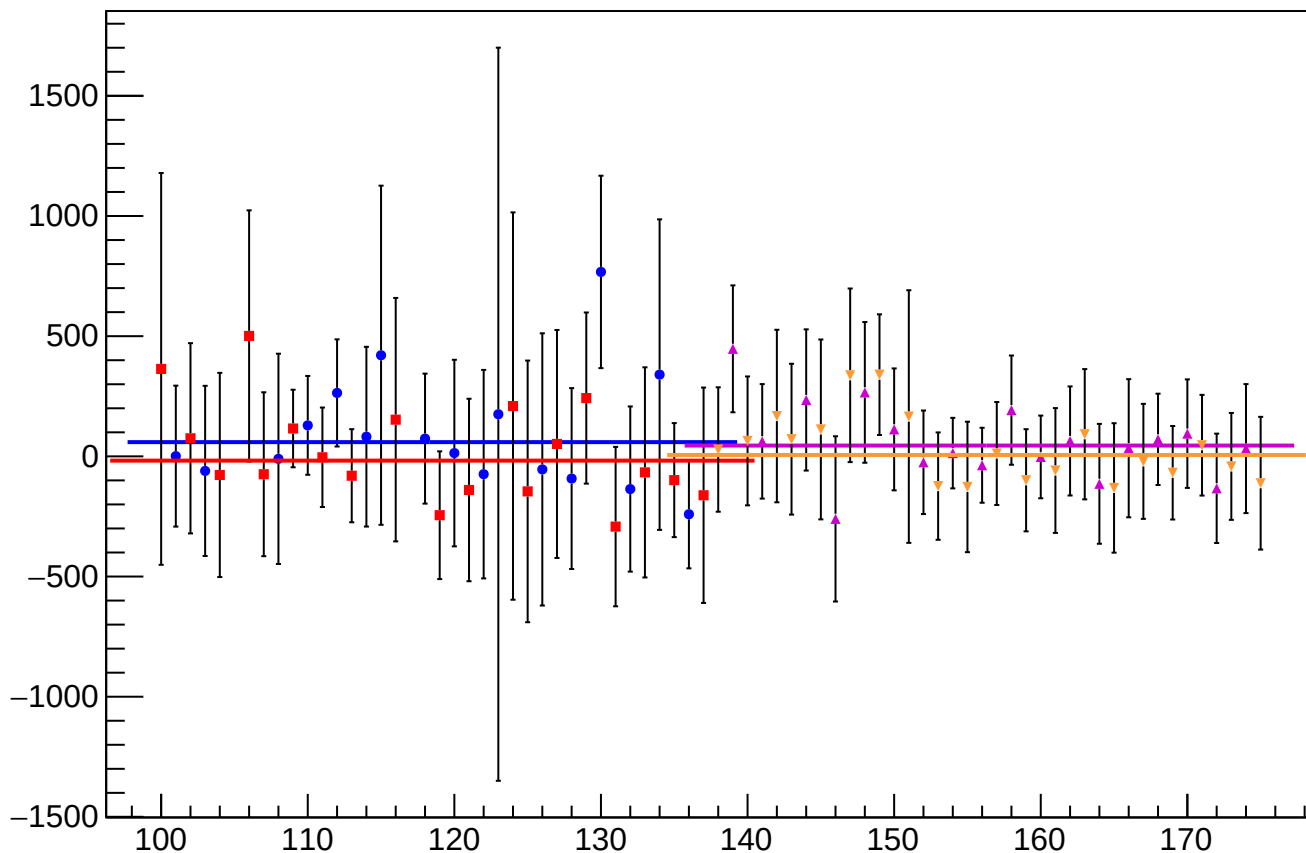
Right: 190.735 $\pm$ 0.039 χ^2 /NDF: 2326235.8/35

In: 192.226 $\pm$ 0.031 χ^2 /NDF:2338818.3/34

Out: 204.514 $\pm$ 0.032 χ^2 /NDF:2866302.2/38

All: 198.210 $\pm$ 0.022 χ^2 /NDF: 5279650.7/73

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 5.741+/-57.651 χ^2/NDF : 4.8/19

Right Out: -17.727+/-71.900 χ^2/NDF : 4.7/18

Left In: 44.945+/-52.009 χ^2/NDF : 6.2/17

Left: 27.355+/-38.617 χ^2/NDF : 11.2/37

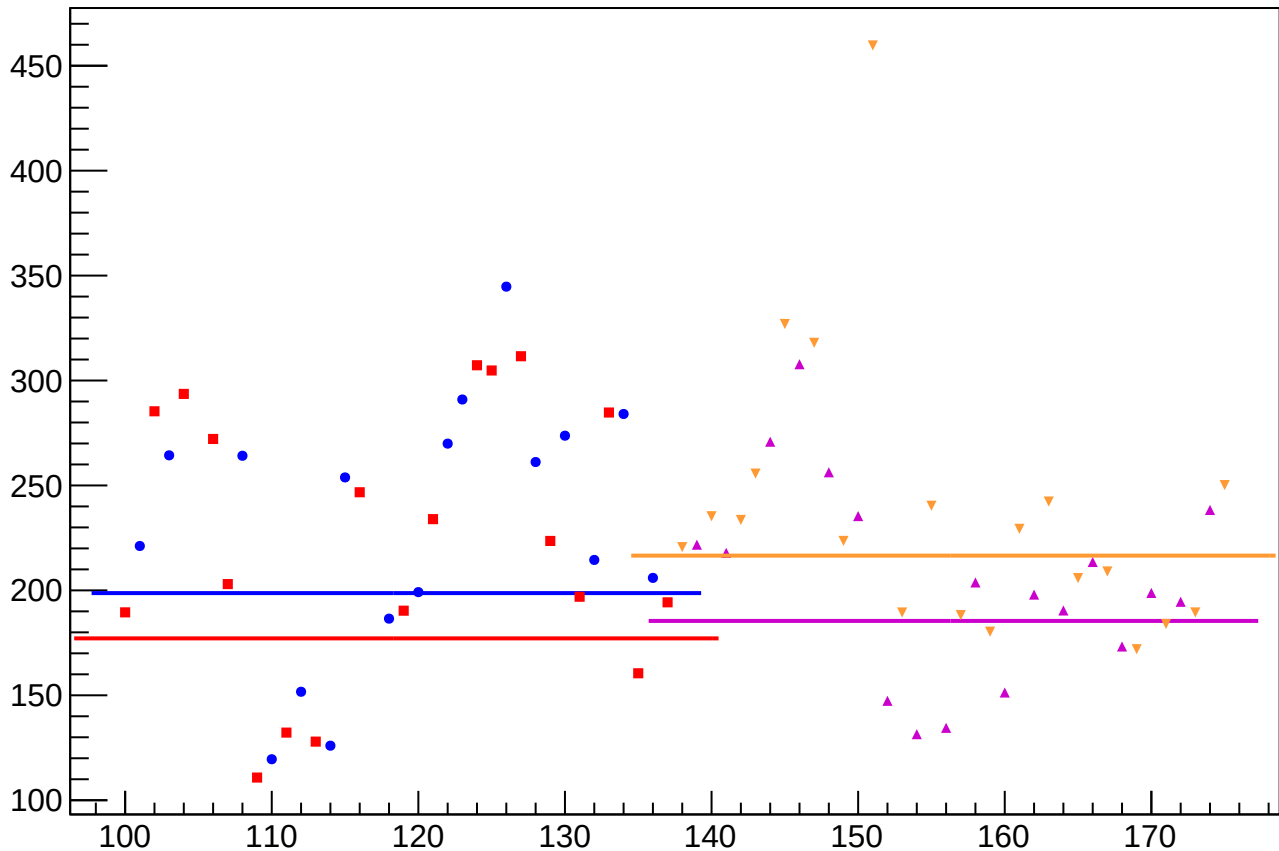
Right: 15.968+/-53.893 χ^2/NDF : 12.3/35

In: 49.069+/-43.830 χ^2/NDF : 13.4/34

Out: -3.443+/-44.978 χ^2/NDF : 9.5/38

All: 23.492+/-31.390 χ^2/NDF : 23.5/73

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 216.566 $\pm$ 0.041 χ^2 /NDF: 1185842.6/19

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

Left In: 185.445 $\pm$ 0.037 χ^2 /NDF: 1452231.3/17

Left: 199.408 $\pm$ 0.027 χ^2 /NDF: 2959388.0/37

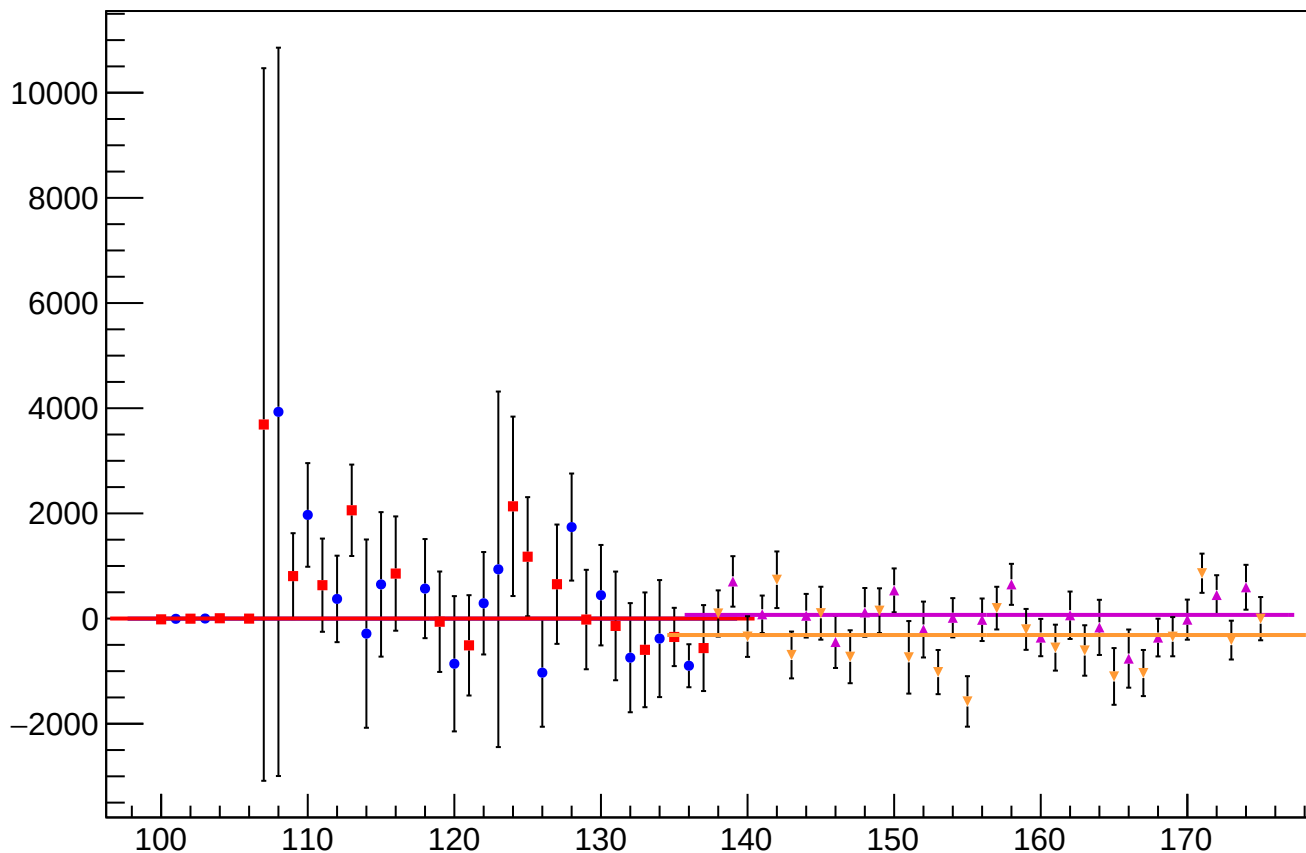
Right: 186.580 $\pm$ 0.038 χ^2 /NDF: 2567217.8/35

In: 189.287 $\pm$ 0.031 χ^2 /NDF: 2453294.7/34

Out: 201.132 $\pm$ 0.032 χ^2 /NDF: 3077049.8/38

All: 195.056 $\pm$ 0.022 χ^2 /NDF: 5601483.9/73

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -312.795 ± 97.858 χ^2/NDF : 35.8/19

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

Left In: 69.683 ± 98.562 χ^2/NDF : 14.6/17

Left: -122.927 ± 69.444 χ^2/NDF : 58.1/37

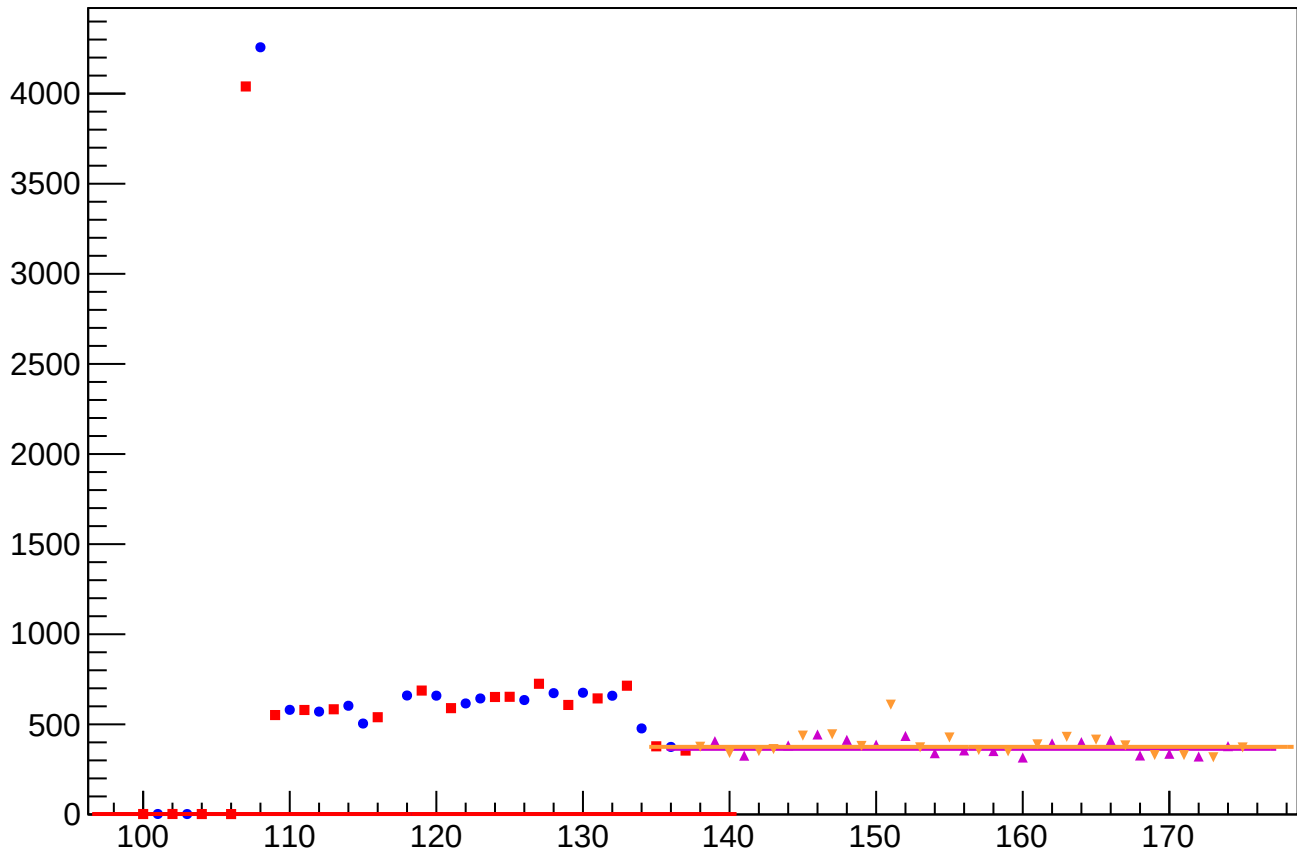
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.492 ± 2.251 χ^2/NDF : 31.8/34

Out: 0.586 ± 2.111 χ^2/NDF : 64.5/38

All: -0.386 ± 1.540 χ^2/NDF : 96.8/73

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 375.128+/-0.069 χ^2/NDF : 505529.6/19

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

Left In: 364.110+/-0.070 χ^2/NDF : 301771.9/17

Left: 369.659+/-0.049 χ^2/NDF : 819888.1/37

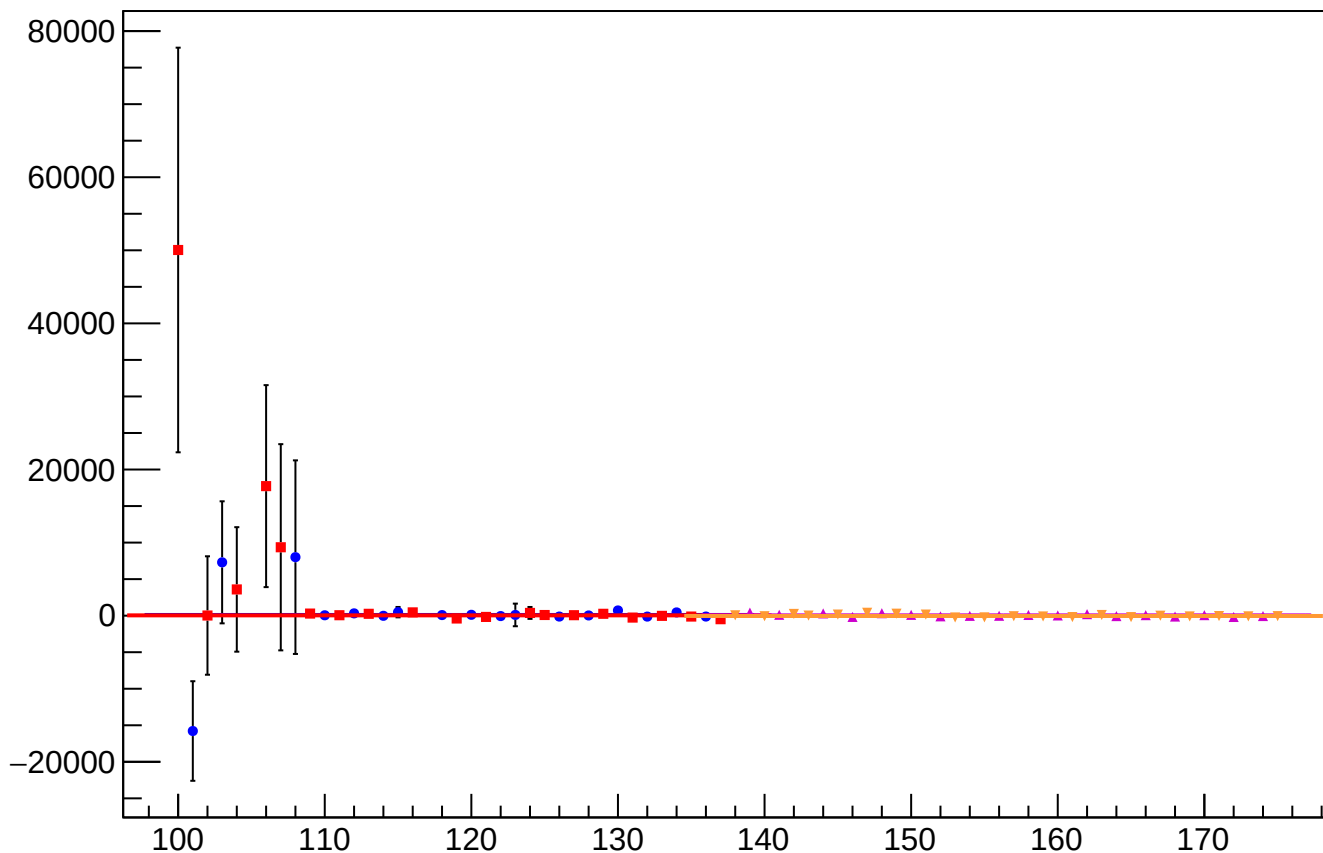
Right: 2.446+/-0.001 χ^2/NDF : 21846612.0/35

In: 2.645+/-0.002 χ^2/NDF : 37921624.6/34

Out: 2.610+/-0.001 χ^2/NDF : 40641623.6/38

All: 2.626+/-0.001 χ^2/NDF : 78563501.2/73

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -42.520+/-60.020 χ^2/NDF : 6.0/19

Right Out: 42.617+/-84.547 χ^2/NDF : 14.0/18

Left In: 41.669+/-55.022 χ^2/NDF : 7.2/17

Left: 3.225+/-40.558 χ^2/NDF : 14.3/37

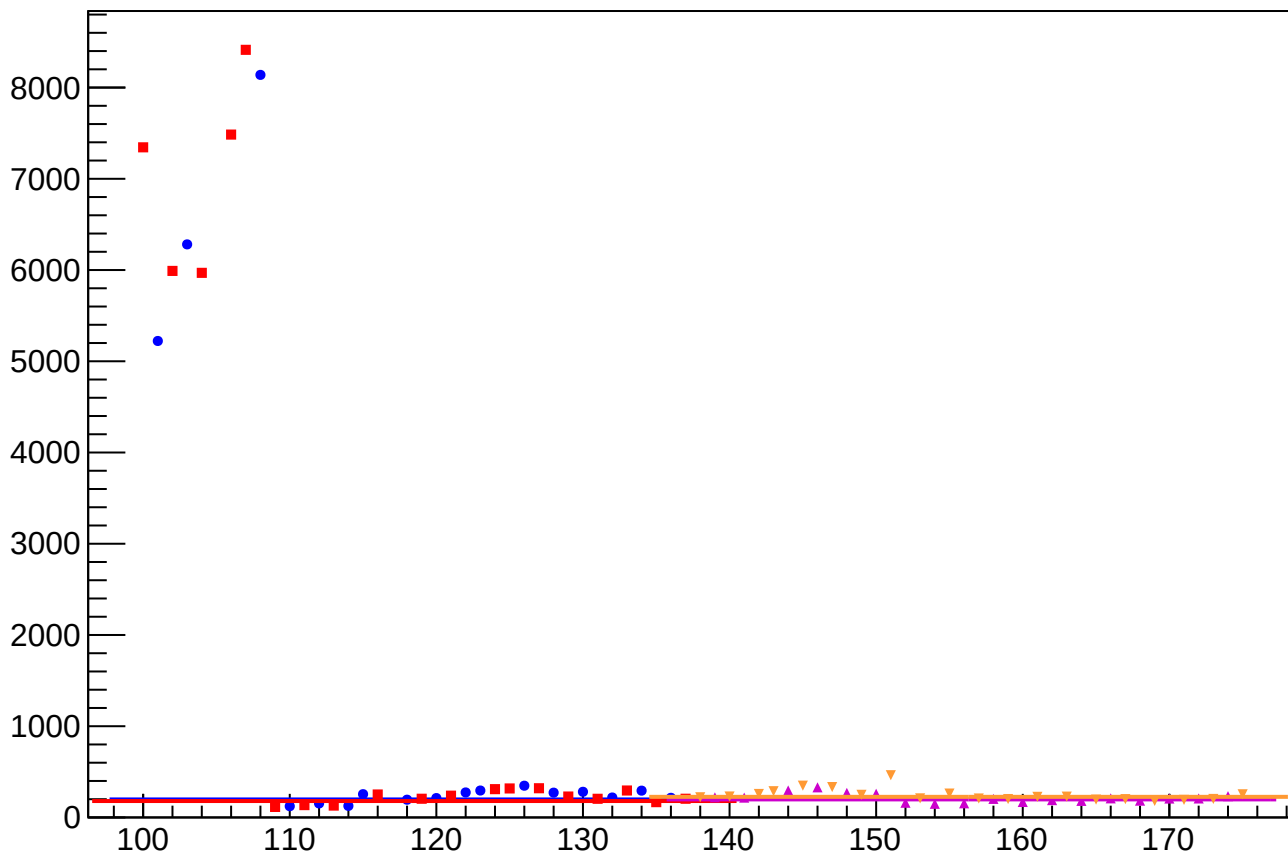
Right: 66.846+/-62.161 χ^2/NDF : 26.2/35

In: 55.879+/-47.182 χ^2/NDF : 19.5/34

Out: -13.991+/-48.941 χ^2/NDF : 20.7/38

All: 22.222+/-33.968 χ^2/NDF : 41.2/73

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 225.951+/-0.042 χ^2/NDF : 1146204.9/19

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

Left In: 197.783+/-0.039 χ^2/NDF : 1120150.7/17

Left: 210.646+/-0.029 χ^2/NDF : 2505708.7/37

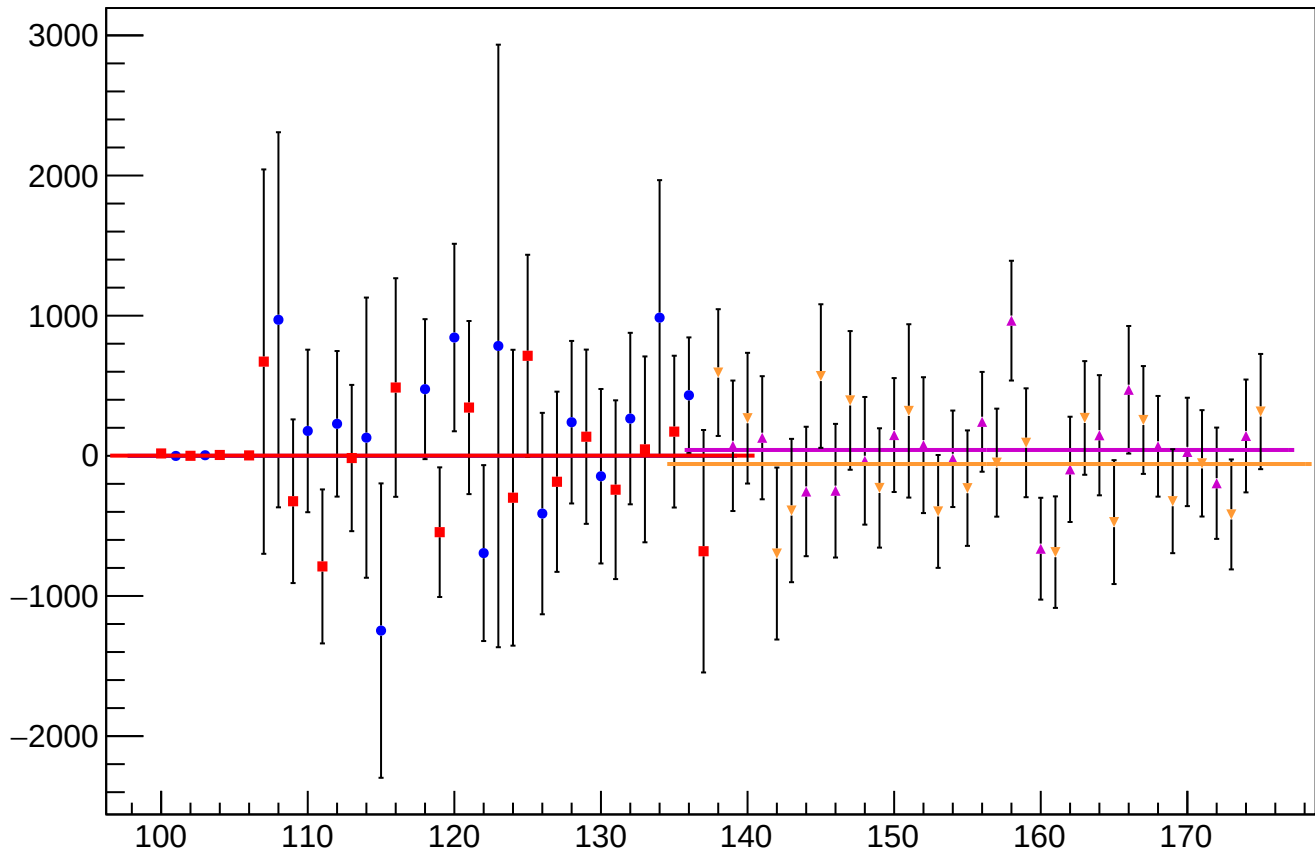
Right: 187.995+/-0.044 χ^2/NDF : 8056346.9/35

In: 197.688+/-0.033 χ^2/NDF : 4816021.9/34

Out: 210.548+/-0.035 χ^2/NDF : 5860723.1/38

All: 203.882+/-0.024 χ^2/NDF : 10748317.6/73

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 $\pm$ 1.737 χ^2/NDF : 9.8/16

Left Out: -58.432 $\pm$ 96.089 χ^2/NDF :14.9/19

Right Out: 1.324 $\pm$ 1.623 χ^2/NDF : 9.5/18

Left In: 41.719 $\pm$ 96.363 χ^2/NDF :11.2/17

Left: -8.499 $\pm$ 68.042 χ^2/NDF : 26.6/37

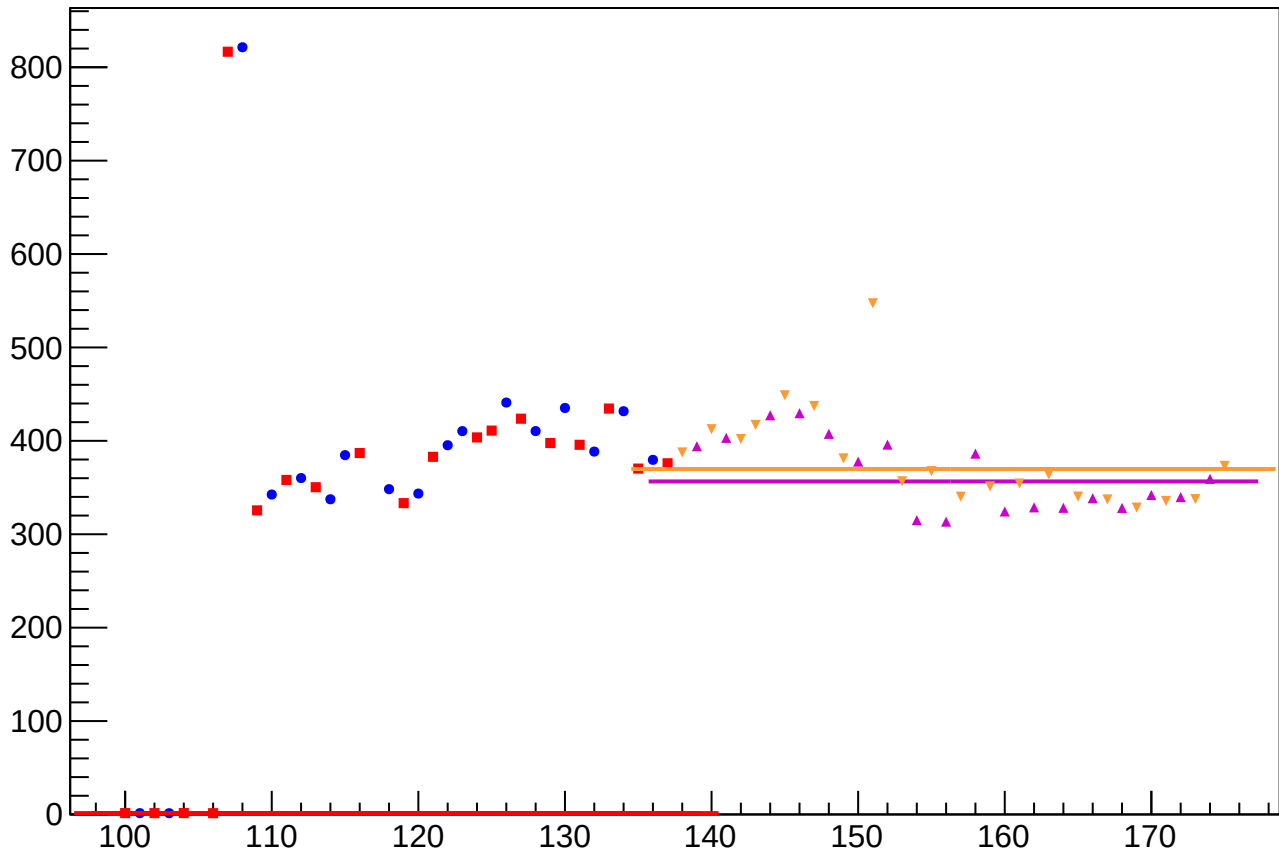
Right: 0.642 $\pm$ 1.186 χ^2/NDF : 19.7/35

In: -0.125 $\pm$ 1.736 χ^2/NDF :21.2/34

Out: 1.307 $\pm$ 1.622 χ^2/NDF :24.8/38

All: 0.639 $\pm$ 1.185 χ^2/NDF : 46.3/73

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10815892.9/16

Left Out: 369.856 $\pm$ 0.068 χ^2 /NDF: 393030.5/19

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10873552.2/18

Left In: 356.545 $\pm$ 0.068 χ^2 /NDF: 298595.9/17

Left: 363.220 $\pm$ 0.048 χ^2 /NDF: 710761.9/37

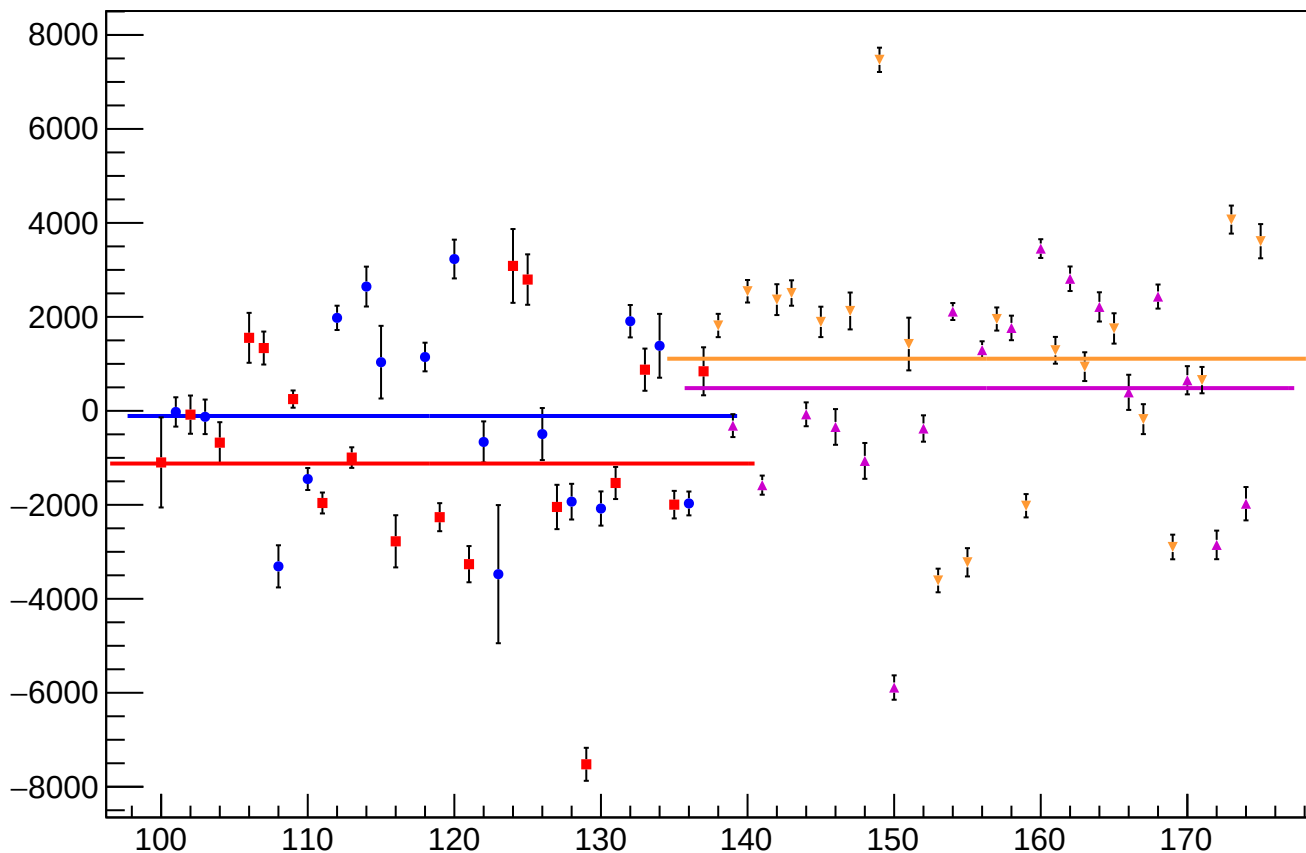
Right: 1.452 $\pm$ 0.001 χ^2 /NDF: 21689445.7/35

In: 1.567 $\pm$ 0.001 χ^2 /NDF: 38263628.7/34

Out: 1.556 $\pm$ 0.001 χ^2 /NDF: 40657272.6/38

All: 1.561 $\pm$ 0.001 χ^2 /NDF: 78920947.7/73

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 $\pm$ 87.961 χ^2 /NDF: 428.3/16

Left Out: 1109.738 $\pm$ 64.705 χ^2 /NDF:1836.0/19

Right Out: -1121.203 $\pm$ 78.396 χ^2 /NDF: 670.1/18

Left In: 483.902 $\pm$ 60.422 χ^2 /NDF:1435.0/17

Left: 775.424 $\pm$ 44.162 χ^2 /NDF: 3320.9/37

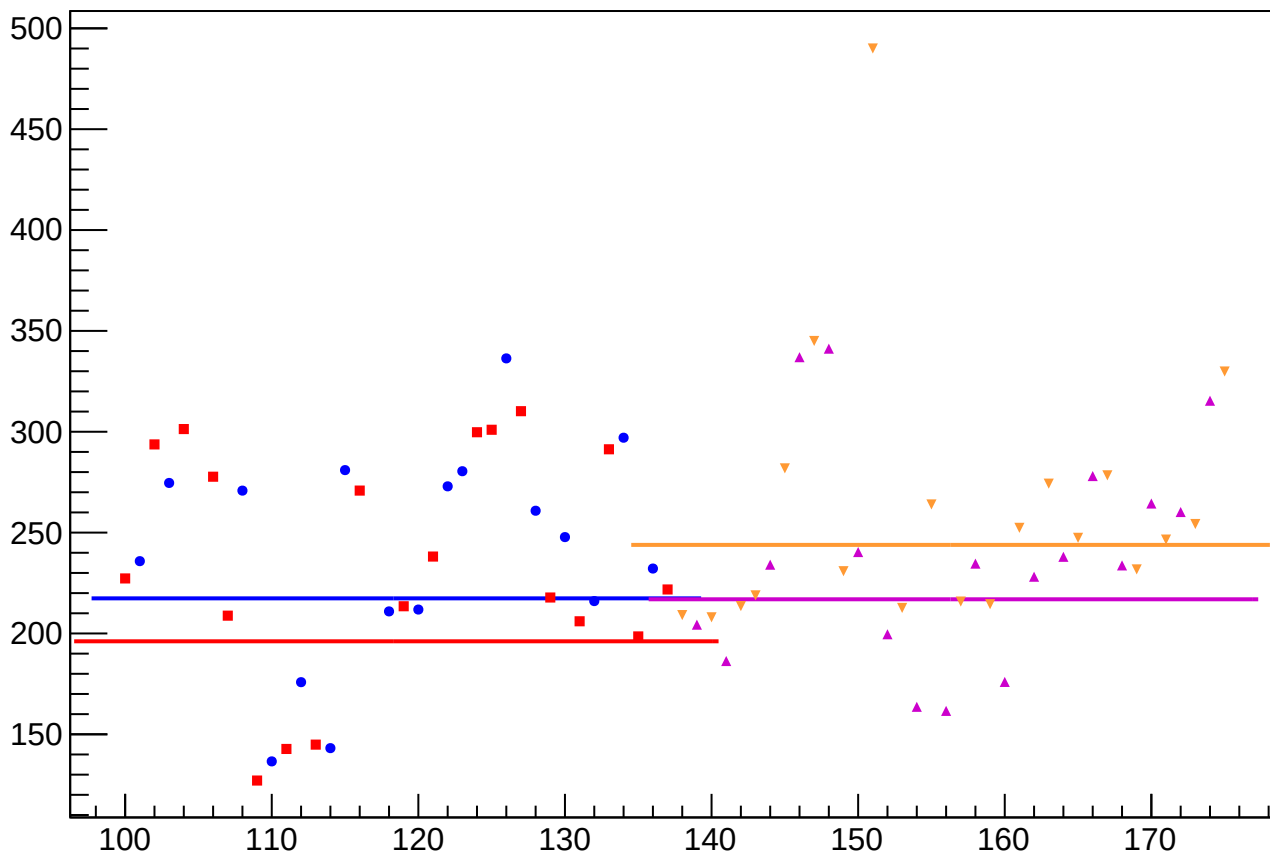
Right: -673.210 $\pm$ 58.525 χ^2 /NDF: 1172.2/35

In: 293.753 $\pm$ 49.804 χ^2 /NDF:1894.2/34

Out: 205.768 $\pm$ 49.903 χ^2 /NDF:2987.7/38

All: 249.848 $\pm$ 35.252 χ^2 /NDF: 4883.5/73

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 243.908+/-0.046 χ^2/NDF : 926045.4/19

Right Out: 196.112+/-0.055 χ^2/NDF : 1190862.3/18

Left In: 216.939+/-0.043 χ^2/NDF : 1256152.5/17

Left: 229.502+/-0.031 χ^2/NDF : 2367789.2/37

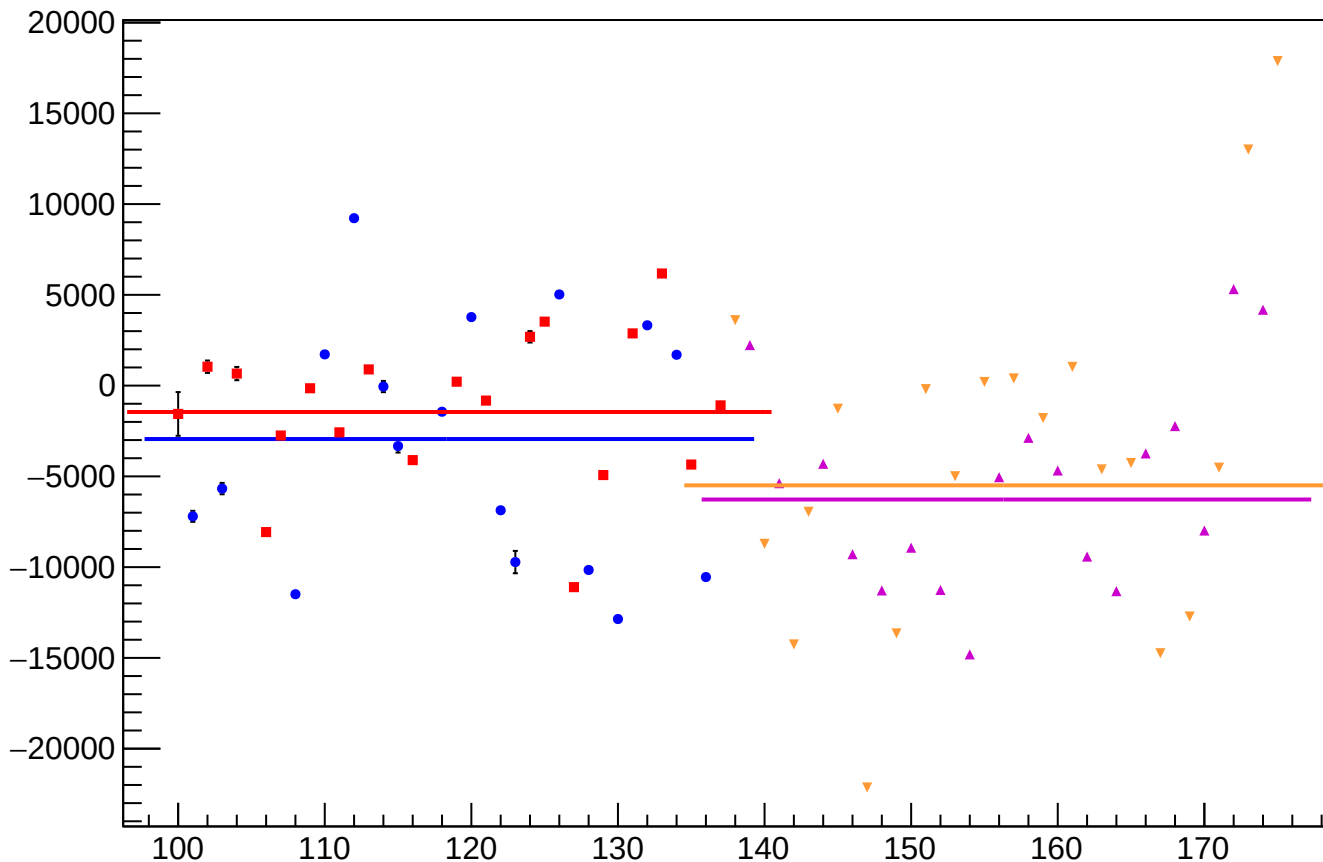
Right: 205.537+/-0.041 χ^2/NDF : 1908796.2/35

In: 217.088+/-0.035 χ^2/NDF : 1908823.1/34

Out: 224.541+/-0.035 χ^2/NDF : 2559081.9/38

All: 220.807+/-0.025 χ^2/NDF : 4490256.2/73

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -5494.224+/-37.322 χ^2/NDF : 52624.0/19

Right Out: -1453.116+/-46.404 χ^2/NDF : 7996.0/18

Left In: -6274.806+/-38.644 χ^2/NDF : 16426.7/17

Left: -5870.942+/-26.846 χ^2/NDF : 69261.8/37

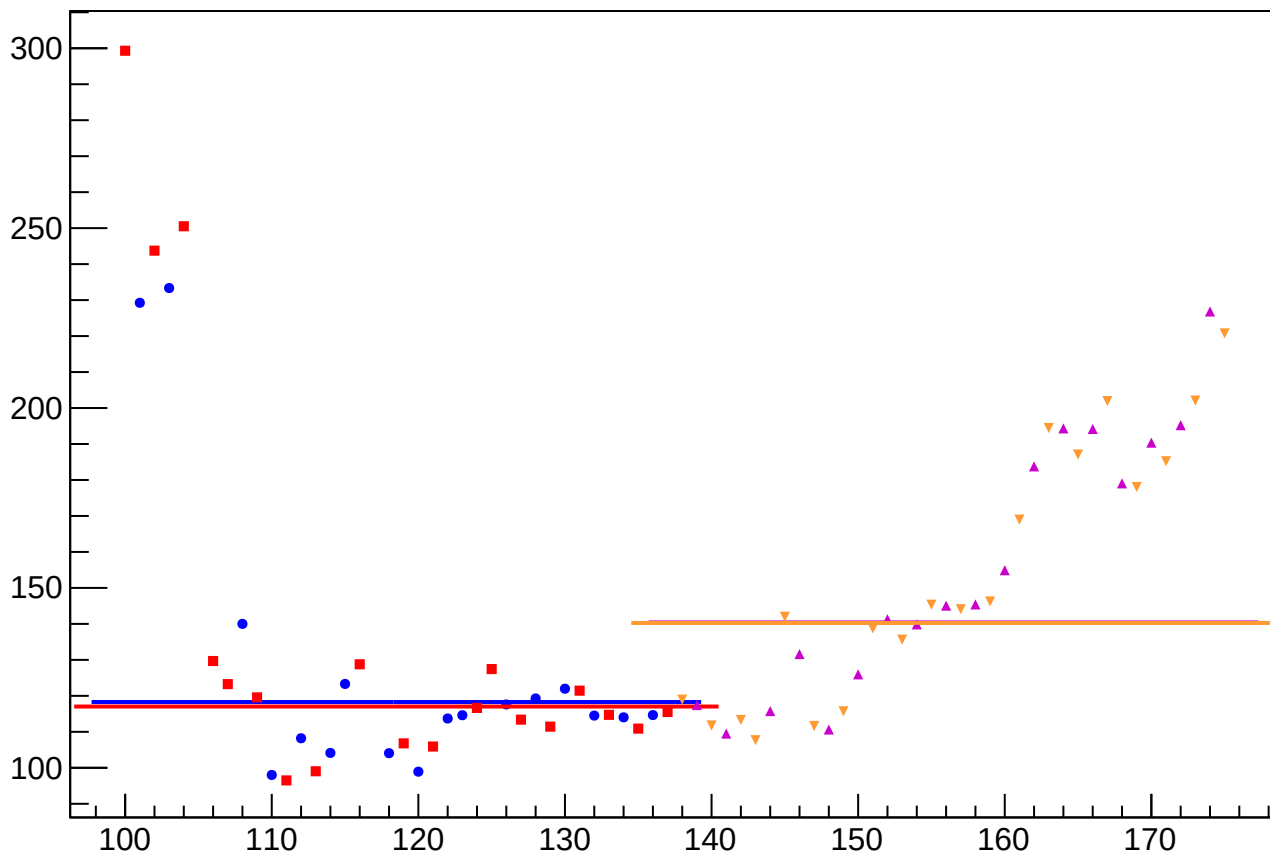
Right: -2163.502+/-33.566 χ^2/NDF : 29397.3/35

In: -4984.686+/-30.250 χ^2/NDF : 40214.8/34

Out: -3906.880+/-29.083 χ^2/NDF : 65225.0/38

All: -4424.585+/-20.965 χ^2/NDF : 106099.5/77

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 140.265+/-0.026 χ^2/NDF : 1390279.7/19

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

Left In: 140.420+/-0.027 χ^2/NDF : 1207372.2/17

Left: 140.340+/-0.019 χ^2/NDF : 2597668.8/37

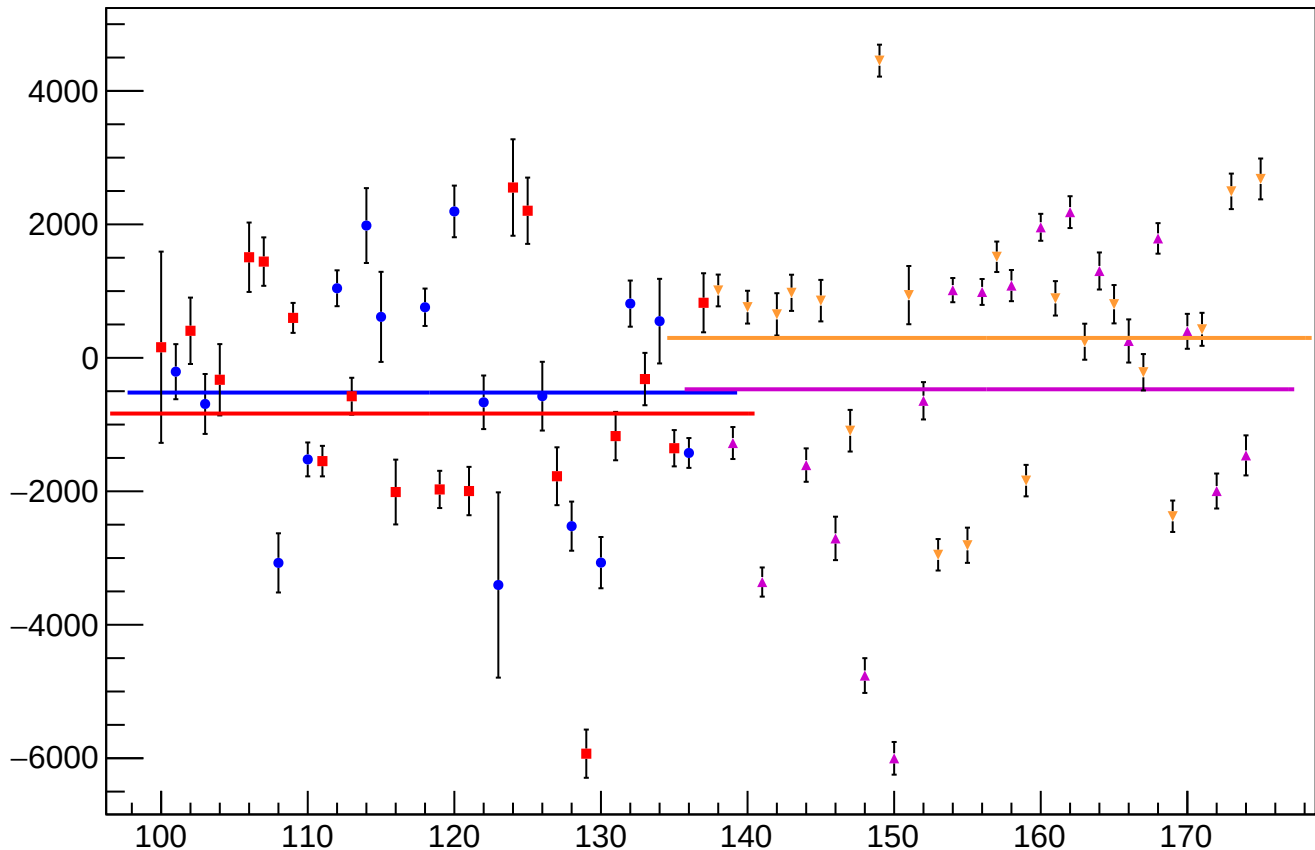
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 131.849+/-0.021 χ^2/NDF : 2098383.3/34

Out: 131.139+/-0.021 χ^2/NDF : 2385563.5/38

All: 131.480+/-0.015 χ^2/NDF : 4484520.3/73

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 298.321 ± 59.329 $\chi^2/\text{NDF}: 1055.4/19$

Right Out: -834.834 ± 82.273 $\chi^2/\text{NDF}: 434.7/18$

Left In: -471.328 ± 57.050 $\chi^2/\text{NDF}: 1670.6/17$

Left: -101.571 ± 41.122 $\chi^2/\text{NDF}: 2813.4/37$

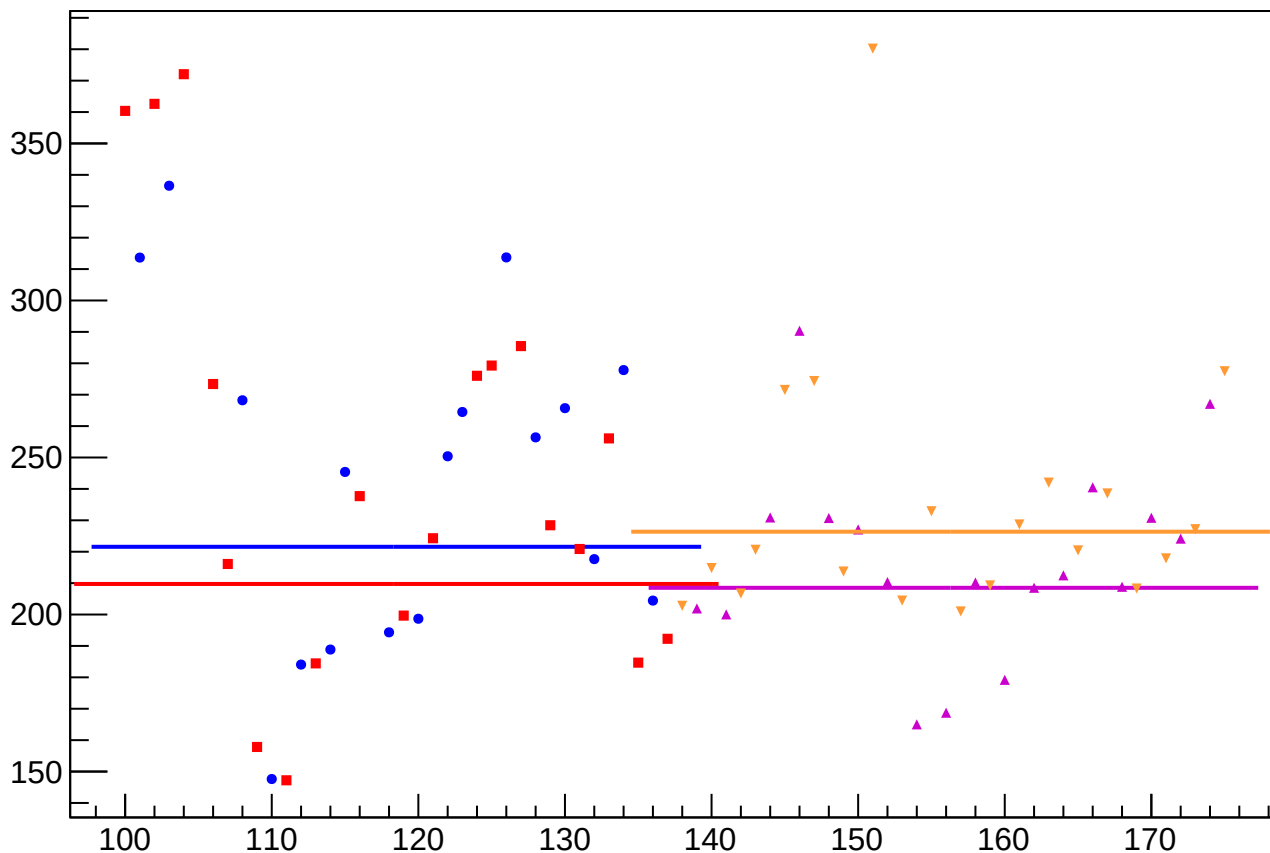
Right: -690.308 ± 60.489 $\chi^2/\text{NDF}: 729.5/35$

In: -485.526 ± 48.067 $\chi^2/\text{NDF}: 1959.0/34$

Out: -89.344 ± 48.122 $\chi^2/\text{NDF}: 1614.9/38$

All: -287.661 ± 34.008 $\chi^2/\text{NDF}: 3607.7/73$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 ± 0.063 $\chi^2/\text{NDF}: 644941.4/16$

Left Out: 226.378 ± 0.042 $\chi^2/\text{NDF}: 511676.3/19$

Right Out: 209.736 ± 0.058 $\chi^2/\text{NDF}: 883922.1/18$

Left In: 208.508 ± 0.040 $\chi^2/\text{NDF}: 532242.6/17$

Left: 217.093 ± 0.029 $\chi^2/\text{NDF}: 1138188.3/37$

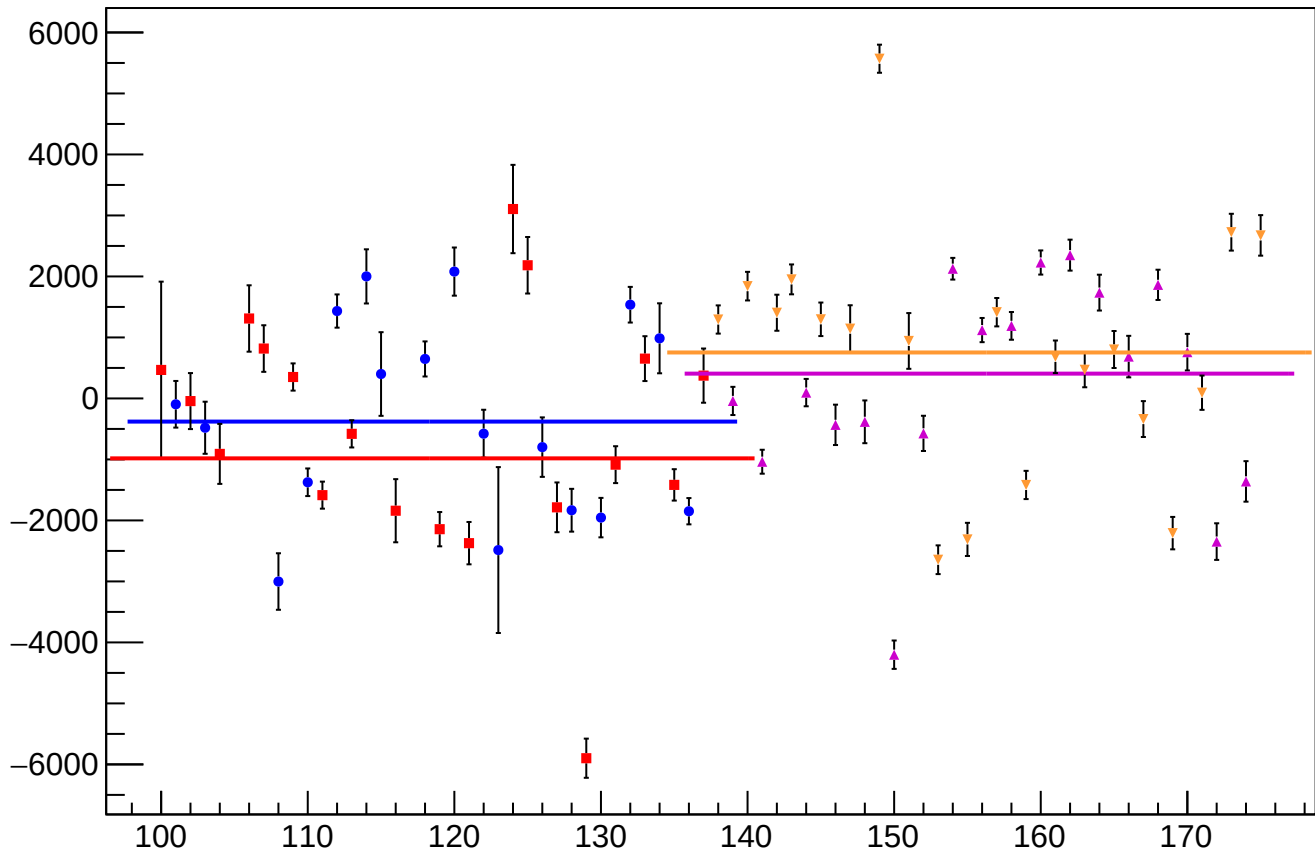
Right: 215.173 ± 0.043 $\chi^2/\text{NDF}: 1547873.9/35$

In: 212.298 ± 0.034 $\chi^2/\text{NDF}: 1207597.4/34$

Out: 220.685 ± 0.034 $\chi^2/\text{NDF}: 1449434.3/38$

All: 216.486 ± 0.024 $\chi^2/\text{NDF}: 2687440.8/73$

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 $\pm$ 84.260 χ^2 /NDF: 317.2/16

Left Out: 753.544 $\pm$ 60.543 χ^2 /NDF:1149.9/19

Right Out: -982.539 $\pm$ 77.724 χ^2 /NDF: 476.3/18

Left In: 406.592 $\pm$ 57.982 χ^2 /NDF:906.2/17

Left: 572.574 $\pm$ 41.876 χ^2 /NDF: 2073.2/37

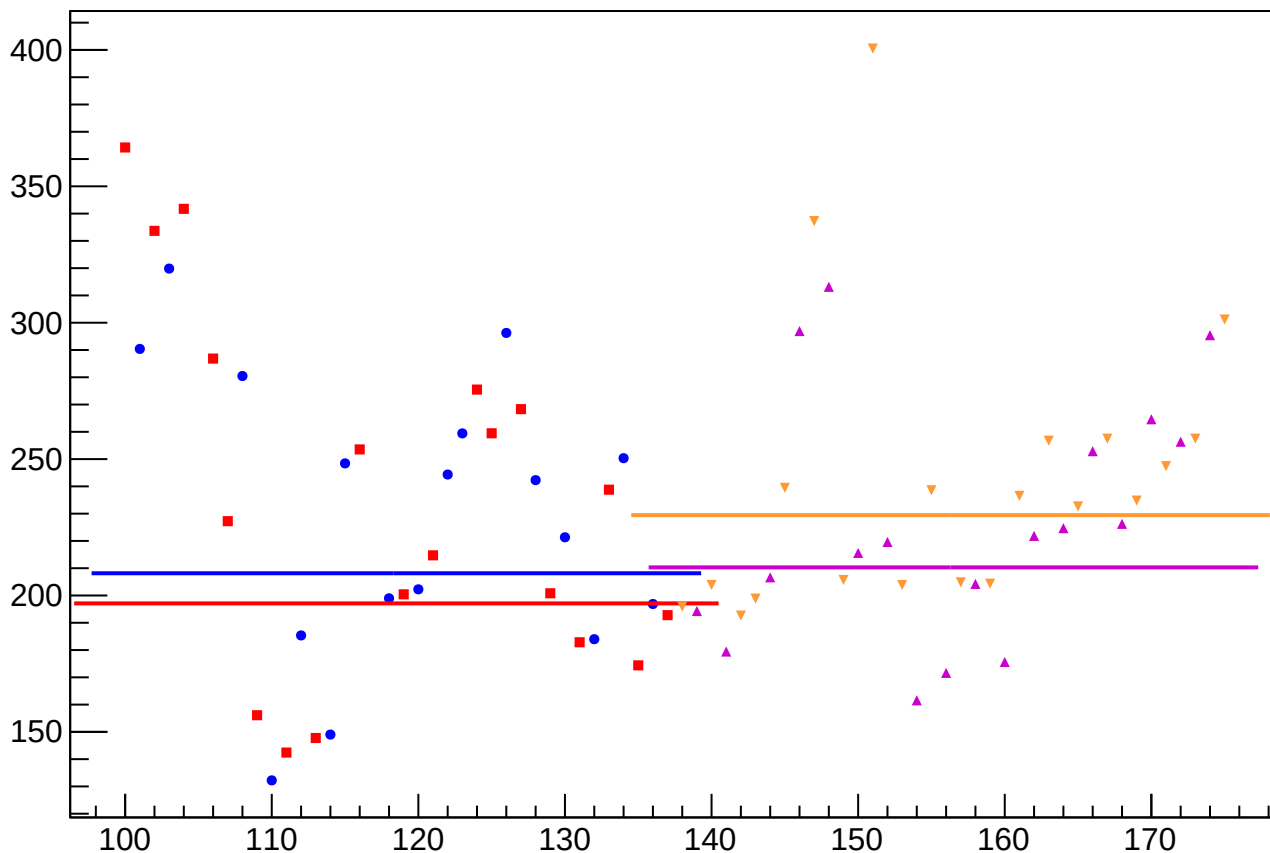
Right: -705.376 $\pm$ 57.130 χ^2 /NDF: 821.1/35

In: 153.928 $\pm$ 47.765 χ^2 /NDF:1282.5/34

Out: 97.949 $\pm$ 47.763 χ^2 /NDF:1936.6/38

All: 125.937 $\pm$ 33.774 χ^2 /NDF: 3219.8/73

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 229.459+/-0.043 χ^2/NDF : 819265.7/19

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

Left In: 210.301+/-0.041 χ^2/NDF : 953407.2/17

Left: 219.466+/-0.030 χ^2/NDF : 1877124.2/37

Right: 202.182+/-0.040 χ^2/NDF : 1644129.7/35

In: 209.610+/-0.034 χ^2/NDF : 1653375.2/34

Out: 217.240+/-0.034 χ^2/NDF : 1961444.4/38

All: 213.425+/-0.024 χ^2/NDF : 3640337.0/73

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

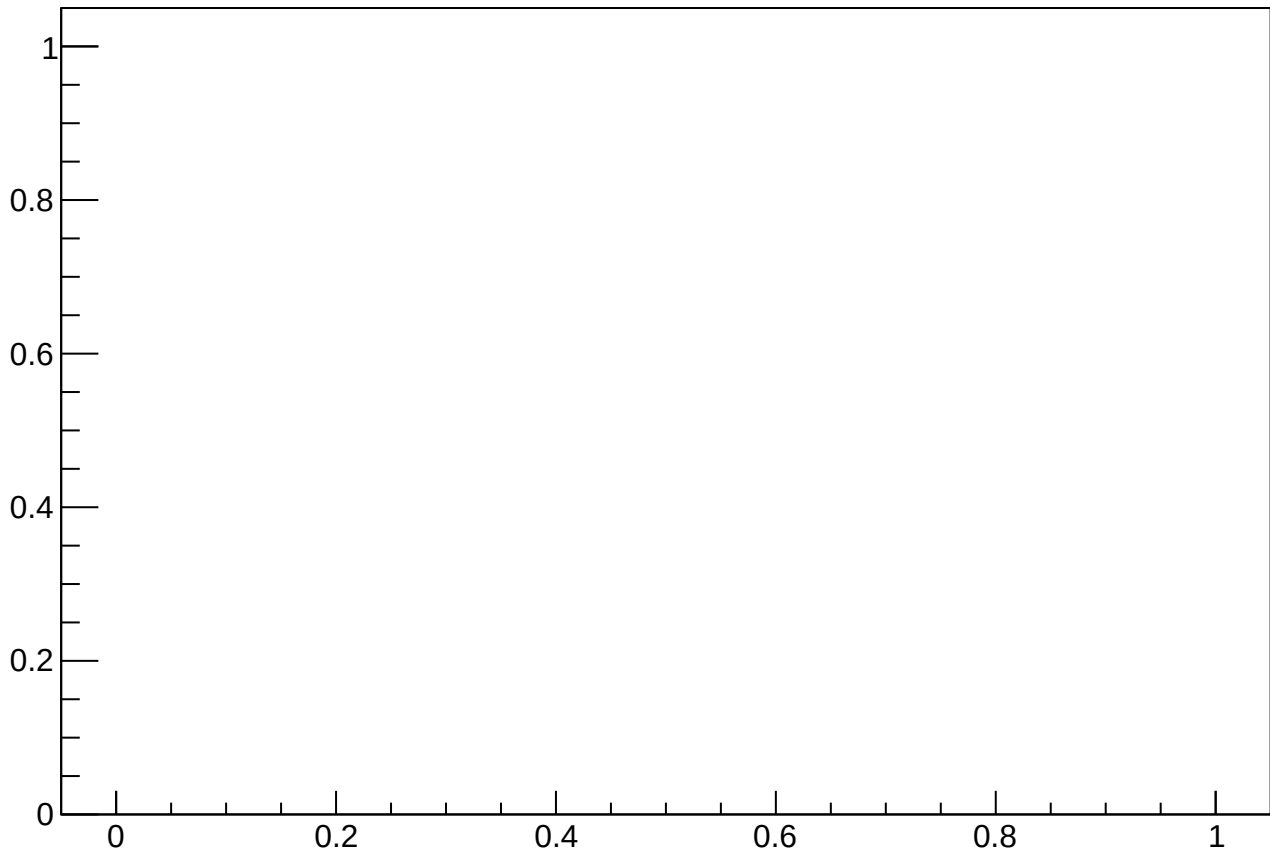
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

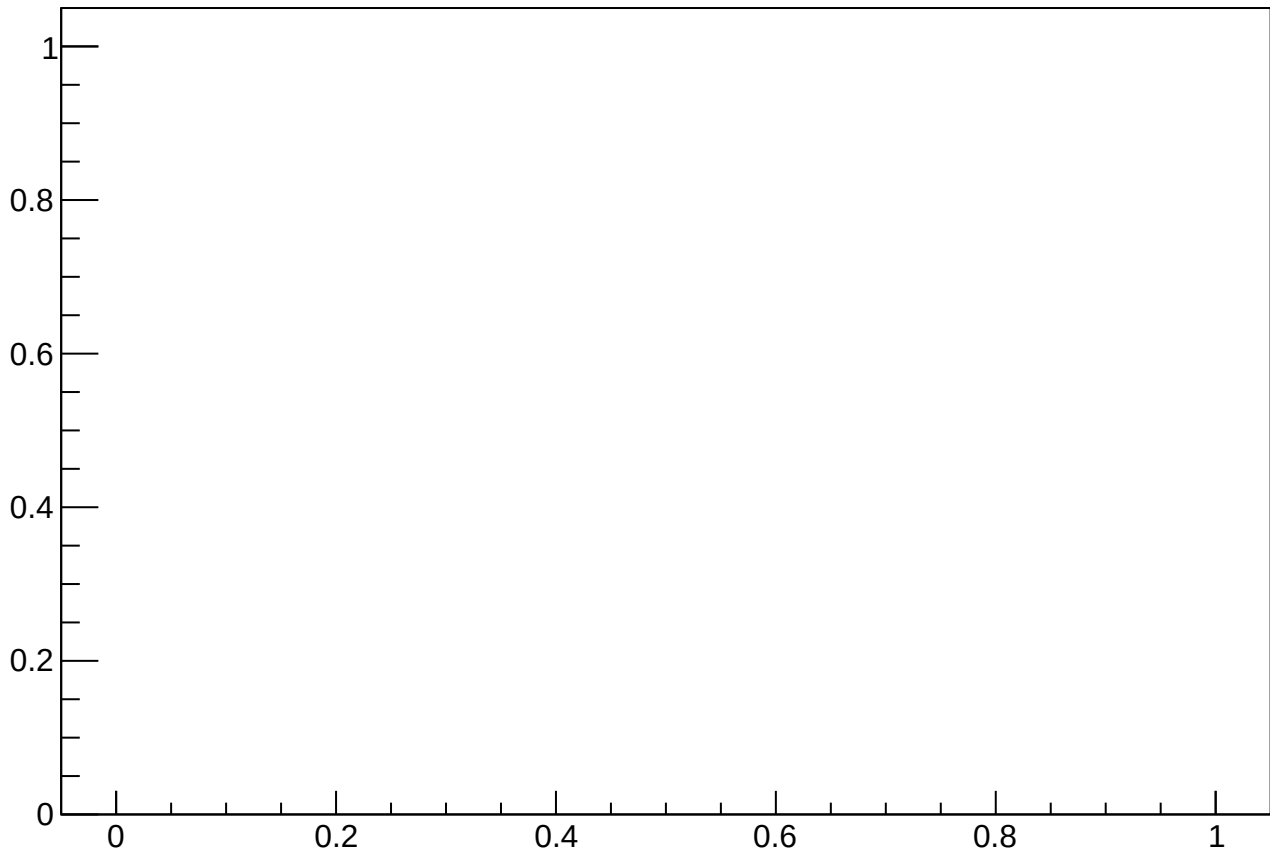
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

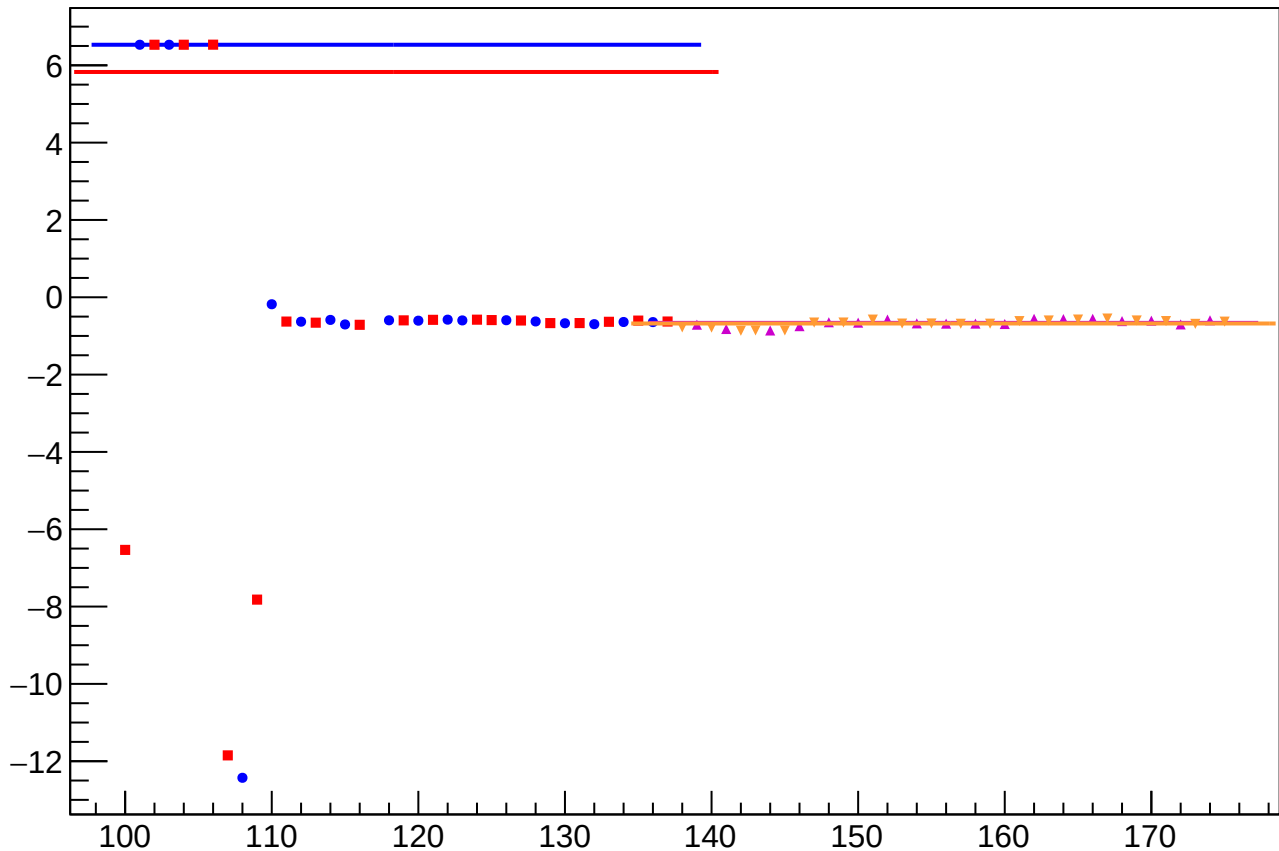
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.678+/-0.000 χ^2/NDF : 128699460.0/19

Right Out: 5.827+/-0.000 χ^2/NDF : 755963218053643.4/18

Left In: -0.662+/-0.000 χ^2/NDF : 102177816.5/17

Left: -0.670+/-0.000 χ^2/NDF : 232450942.0/37

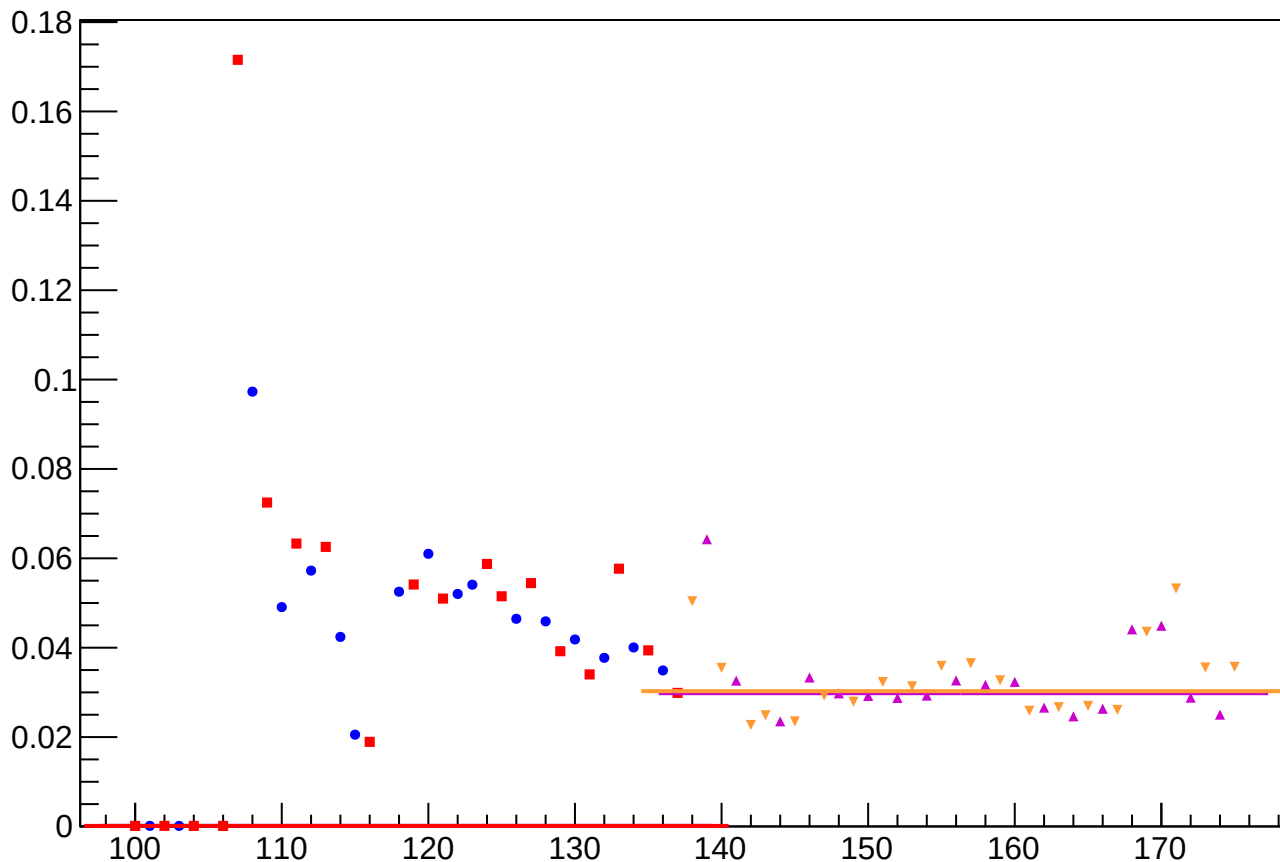
Right: 6.155+/-0.000 χ^2/NDF : 776094576922584.5/37

In: 6.530+/-0.000 χ^2/NDF : 765793650925.7/34

Out: 5.826+/-0.000 χ^2/NDF : 756505737877102.2/34

All: 6.154+/-0.000 χ^2/NDF : 77726648113447.0/70

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 :1060306.5/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

Left In: 0.030+/-0.000 χ^2/NDF :959359.0/17

Left: 0.030+/-0.000 χ^2/NDF : 2022260.4/37

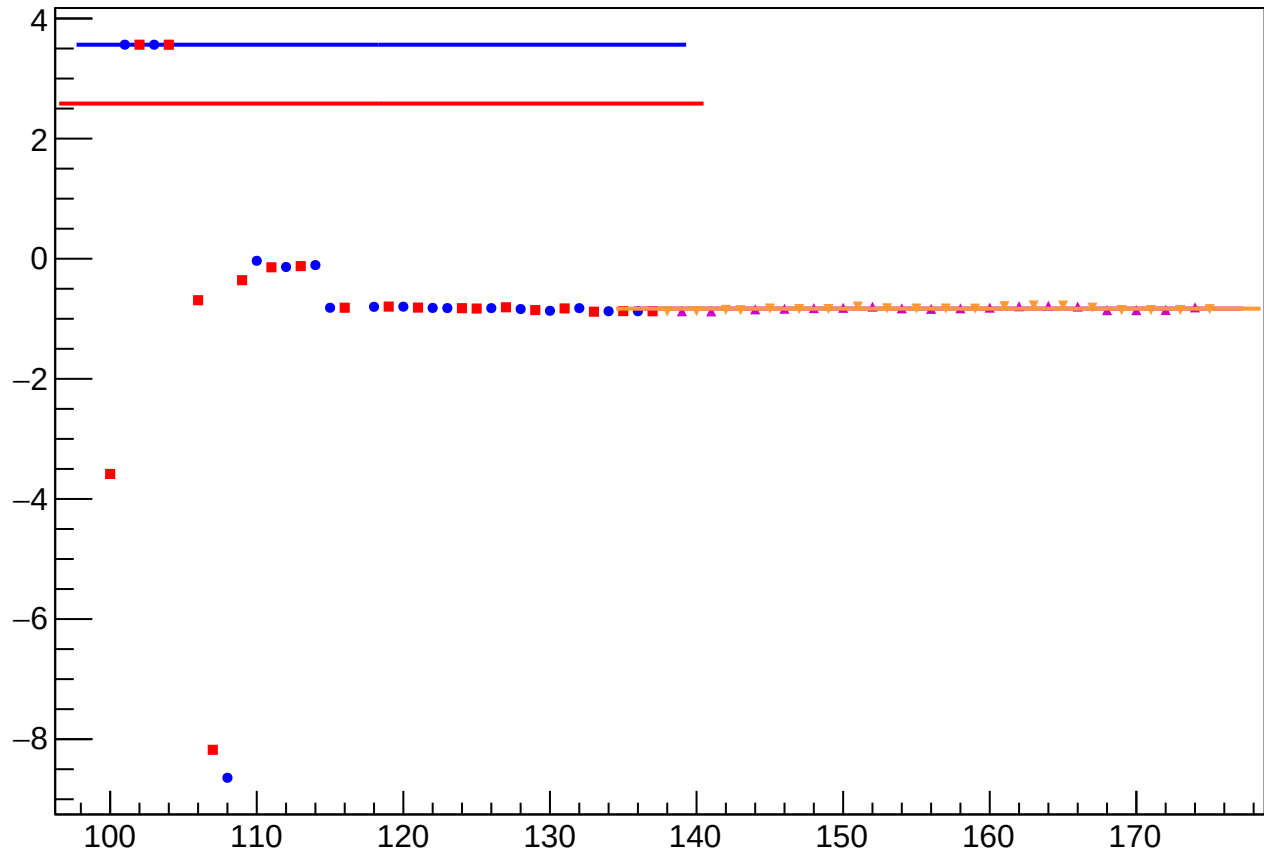
Right: 0.000+/-0.000 χ^2/NDF : 18237948.0/35

In: 0.000+/-0.000 χ^2/NDF :31608346.6/34

Out: 0.000+/-0.000 χ^2/NDF :33714694.7/38

All: 0.000+/-0.000 χ^2/NDF : 65323415.6/73

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.831+/-0.000 χ^2/NDF : 146225909.3/19

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.830+/-0.000 χ^2/NDF : 125974229.3/17

Left: -0.830+/-0.000 χ^2/NDF : 272362836.2/37

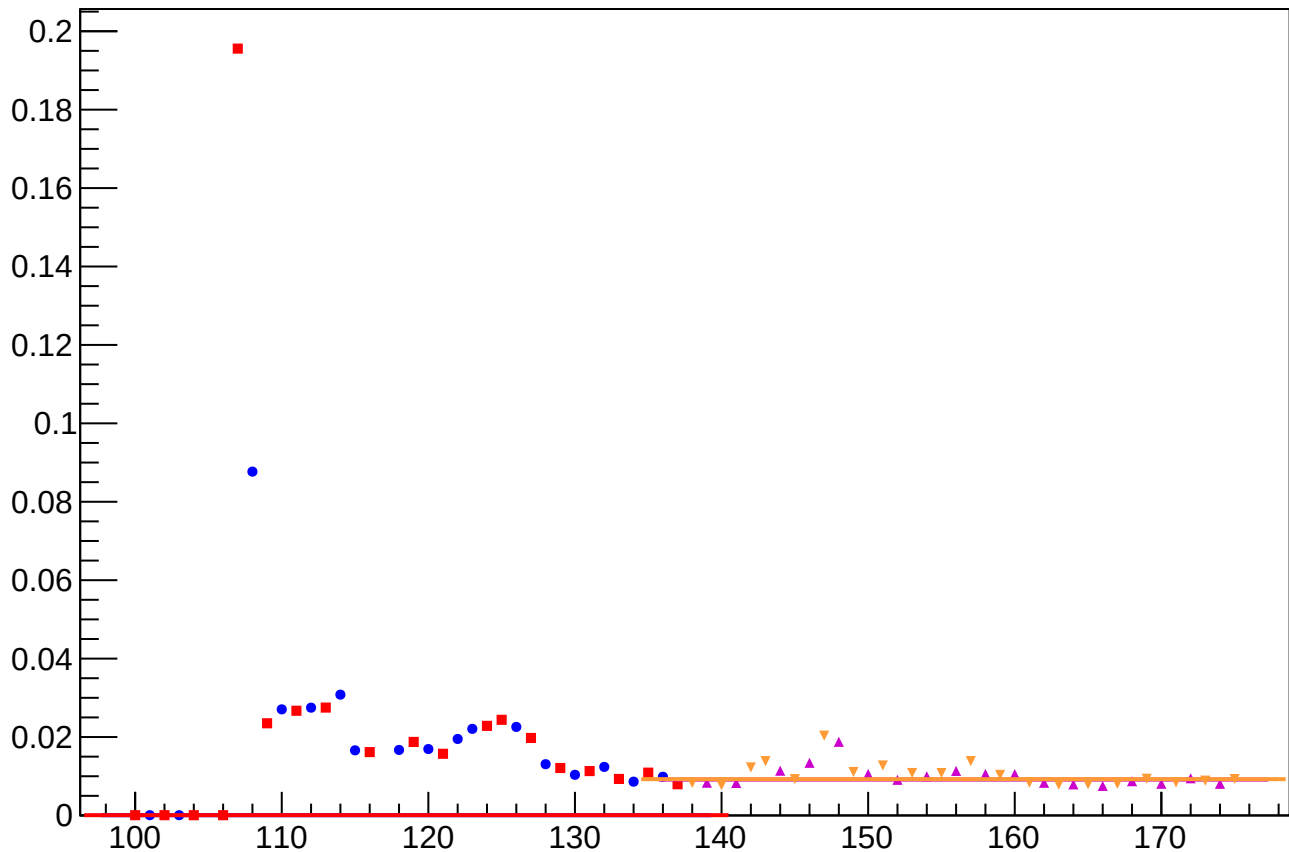
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.0/17

In: 3.561+/-0.000 χ^2/NDF : 3138568307293.9/34

Out: 2.582+/-0.000 χ^2/NDF : 1255176052799219.2/17

All: 3.038+/-0.000 χ^2/NDF : 13864686517172.0/17

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 :1080639.3/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

Left In: 0.009+/-0.000 χ^2/NDF :820600.2/17

Left: 0.009+/-0.000 χ^2/NDF : 1902870.0/37

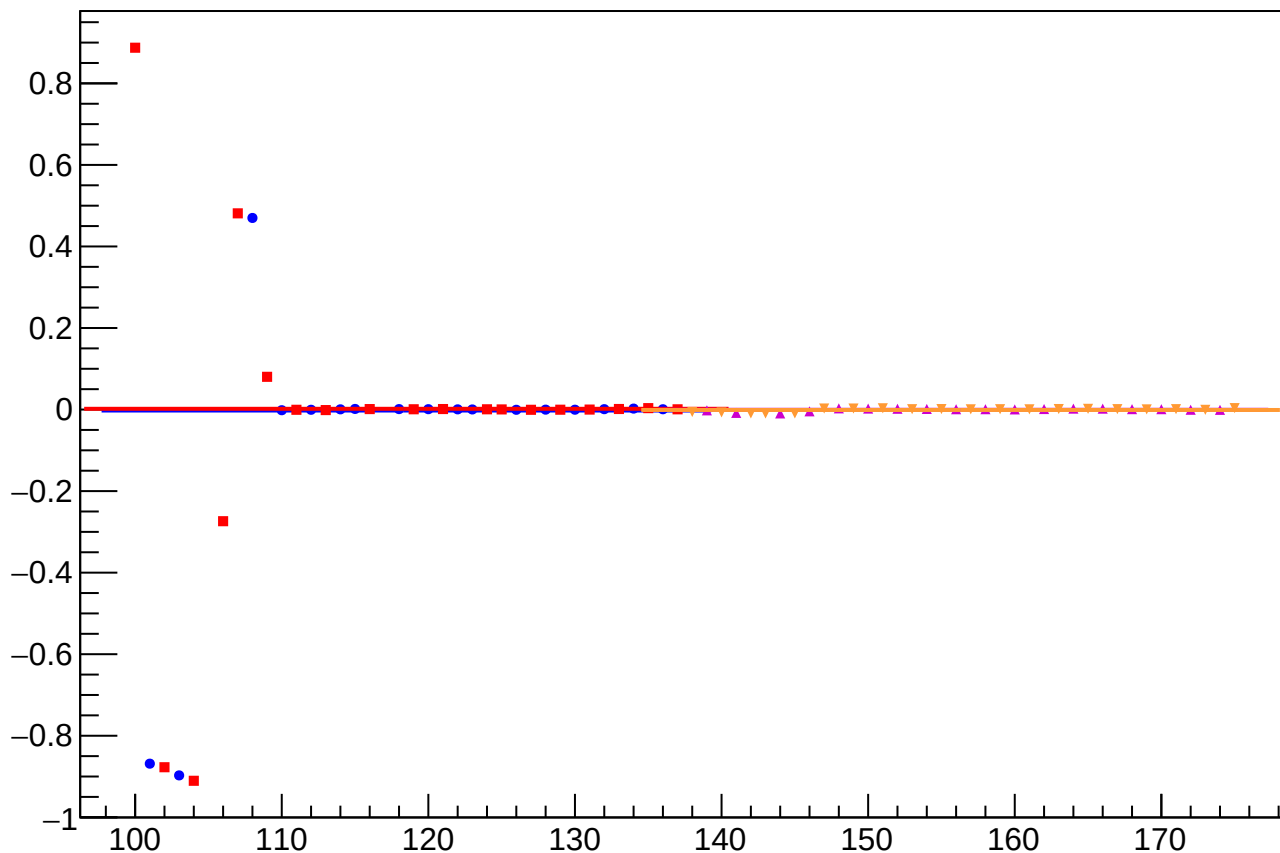
Right: 0.000+/-0.000 χ^2/NDF : 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF :33238138.2/34

Out: 0.000+/-0.000 χ^2/NDF :35177190.1/38

All: 0.000+/-0.000 χ^2/NDF : 68415853.9/73

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 : 101909079.4/19

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

Left In: -0.001+/-0.000 χ^2/NDF : 67353152.1/17

Left: -0.001+/-0.000 χ^2/NDF : 169779946.8/37

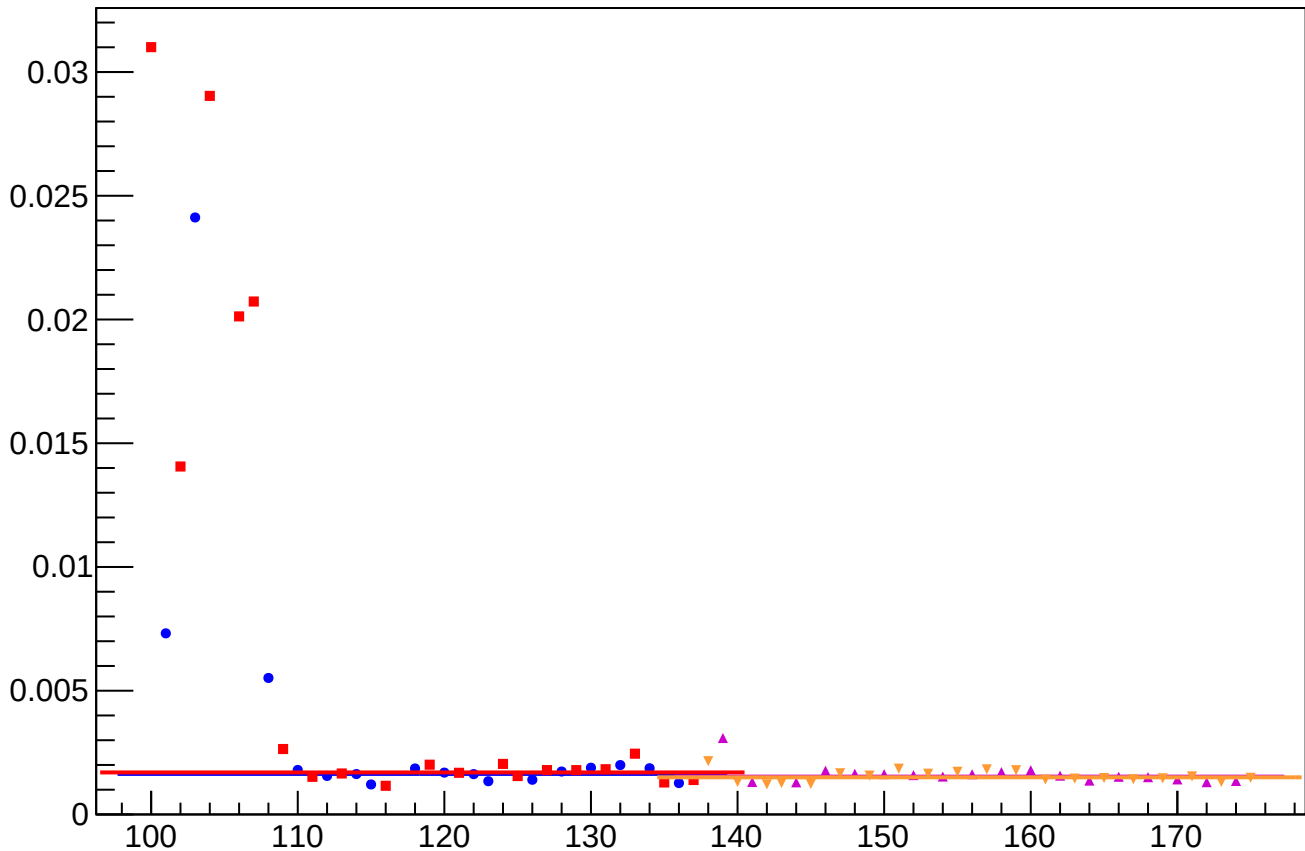
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF : 9866103525.7/34

Out: -0.000+/-0.000 χ^2/NDF : 3153198857.3/38

All: -0.001+/-0.000 χ^2/NDF : 13020710300.5/78

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: 455257.8/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 603018.0/17

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 1062025.2/37

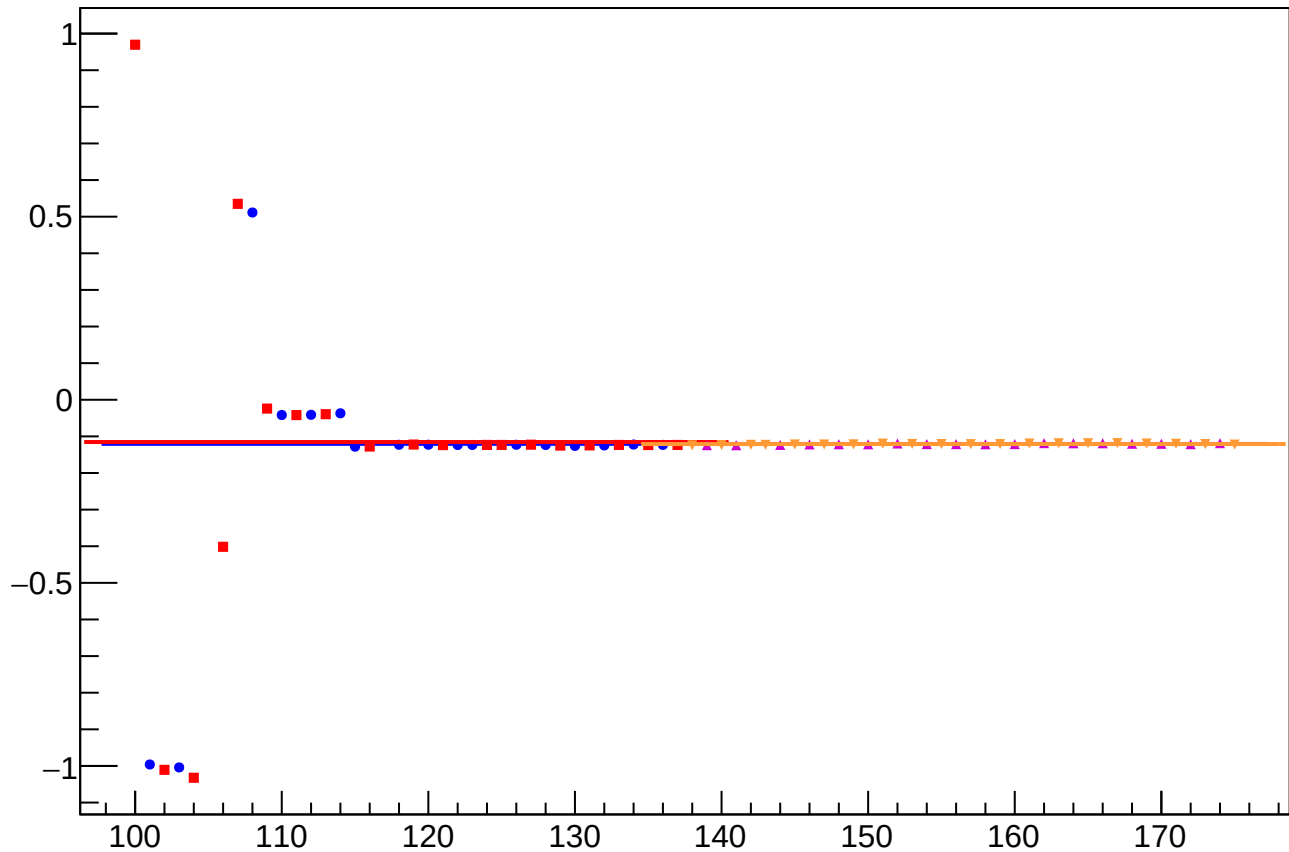
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4945998.5/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2549483.9/34

Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3572390.8/38

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6122729.0/73

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.121+/-0.000 χ^2/NDF : 34204718.5/19

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

Left In: -0.121+/-0.000 χ^2/NDF : 33604493.4/17

Left: -0.121+/-0.000 χ^2/NDF : 68180608.8/37

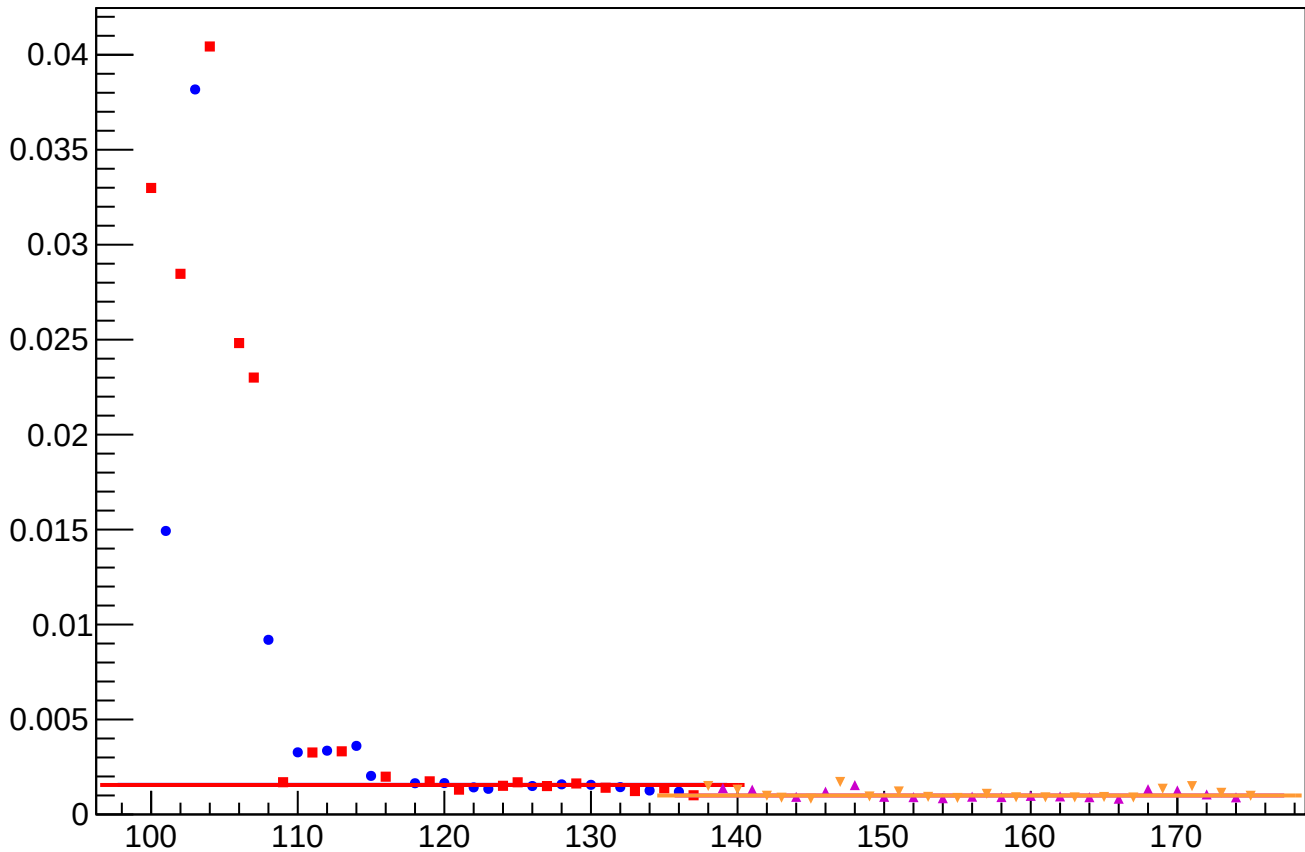
Right: -0.118+/-0.000 χ^2/NDF : 6411653427.4/35

In: -0.121+/-0.000 χ^2/NDF : 3965967923.7/34

Out: -0.120+/-0.000 χ^2/NDF : 2541482135.5/38

All: -0.120+/-0.000 χ^2/NDF : 6508554675.9/77

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1034463.2/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:753353.9/17

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 1787823.9/37

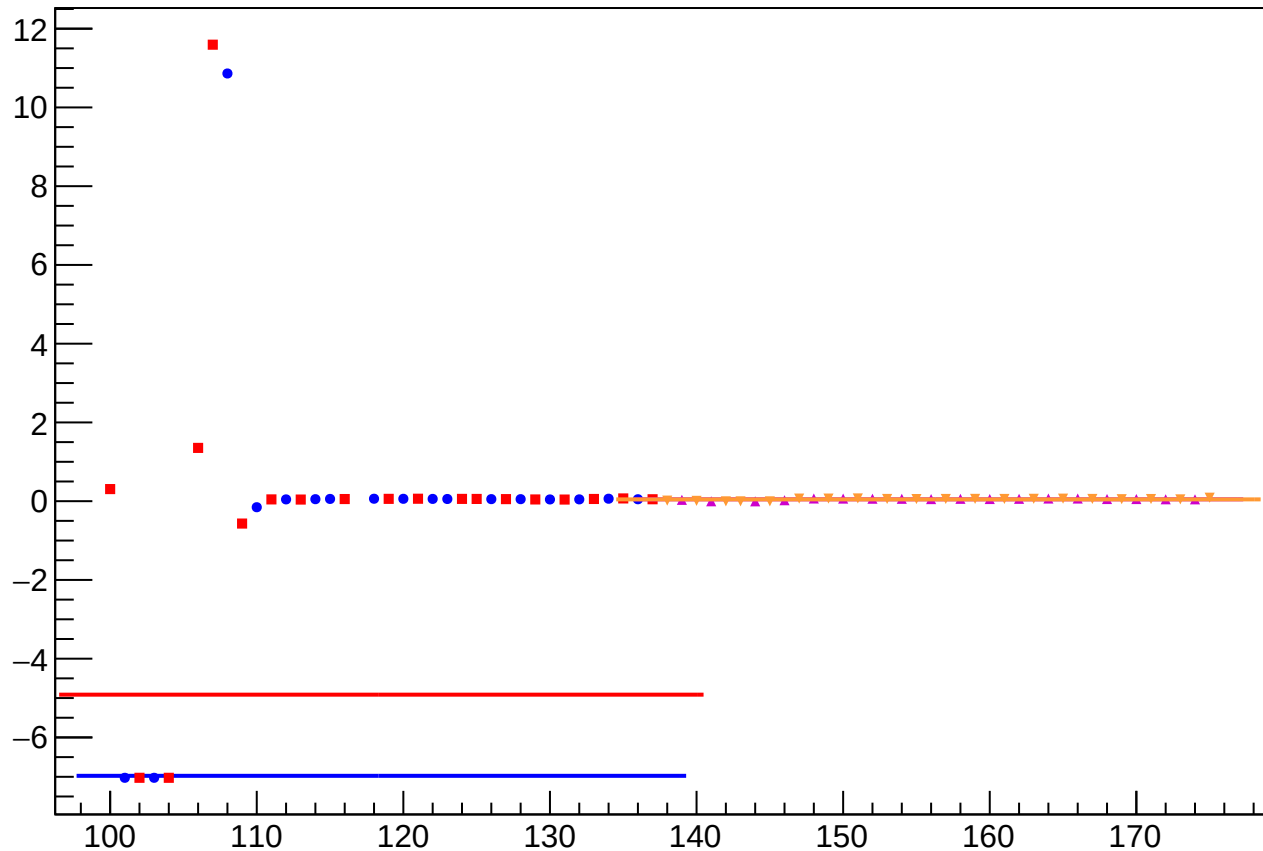
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 6440590.7/35

In: 0.001 $\pm$ 0.000 χ^2 /NDF:4679329.9/34

Out: 0.001 $\pm$ 0.000 χ^2 /NDF:5593400.1/38

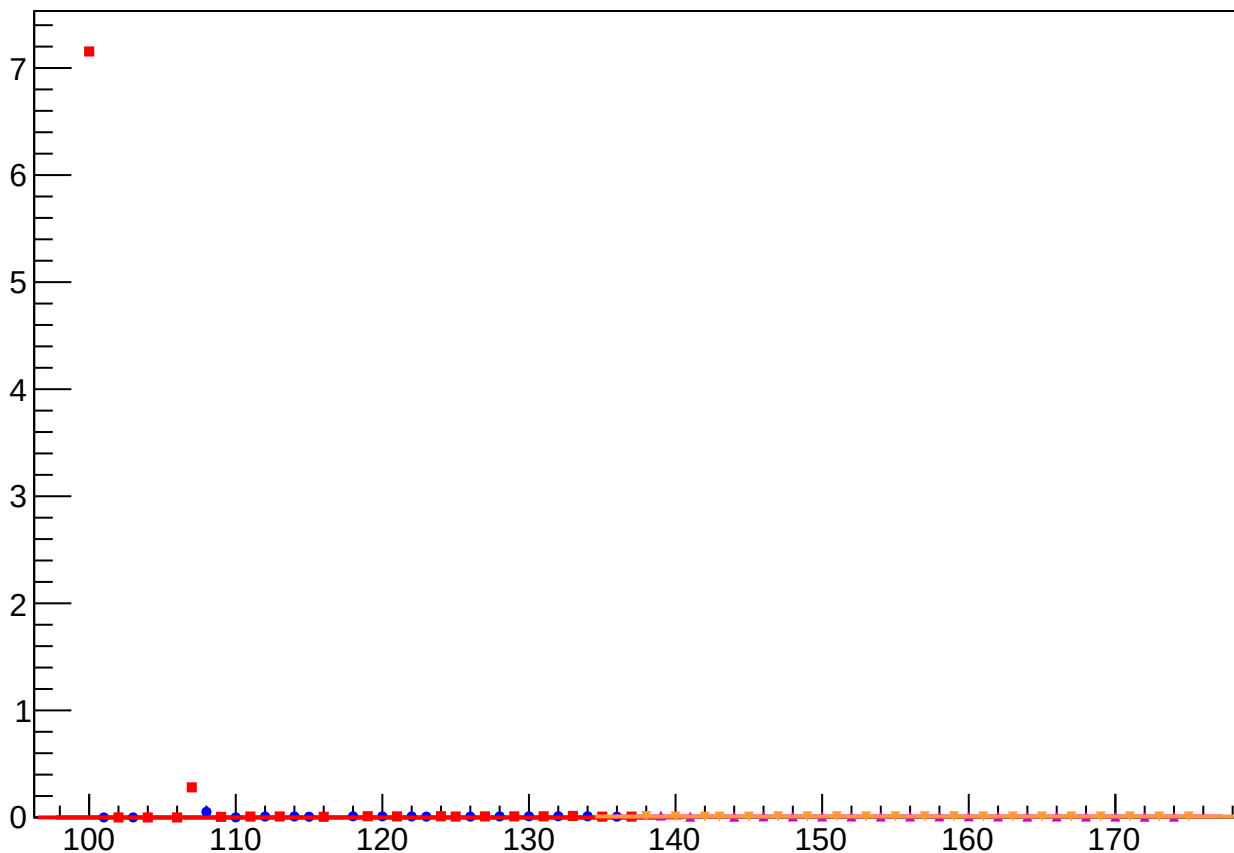
All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10272905.4/73

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16
 Left Out: 0.046+/-0.000 χ^2/NDF : 112657908.1/19
 Right Out: -4.914+/-0.000 χ^2/NDF : 365358092730279.9/18
 Left In: 0.047+/-0.000 χ^2/NDF : 74641248.0/17
 Left: 0.046+/-0.000 χ^2/NDF : 187475186.5/37
 Right: -5.900+/-0.000 χ^2/NDF : 430307691650468.6
 In: -6.937+/-0.000 χ^2/NDF : 15582115933302.5/34
 Out: -4.886+/-0.000 χ^2/NDF : 369127212640785.5
 All: -5.867+/-0.000 χ^2/NDF : 4406247634876

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 : 453164.1/19

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF : 607499.9/17

Left: 0.009+/-0.000 χ^2/NDF : 1063620.8/37

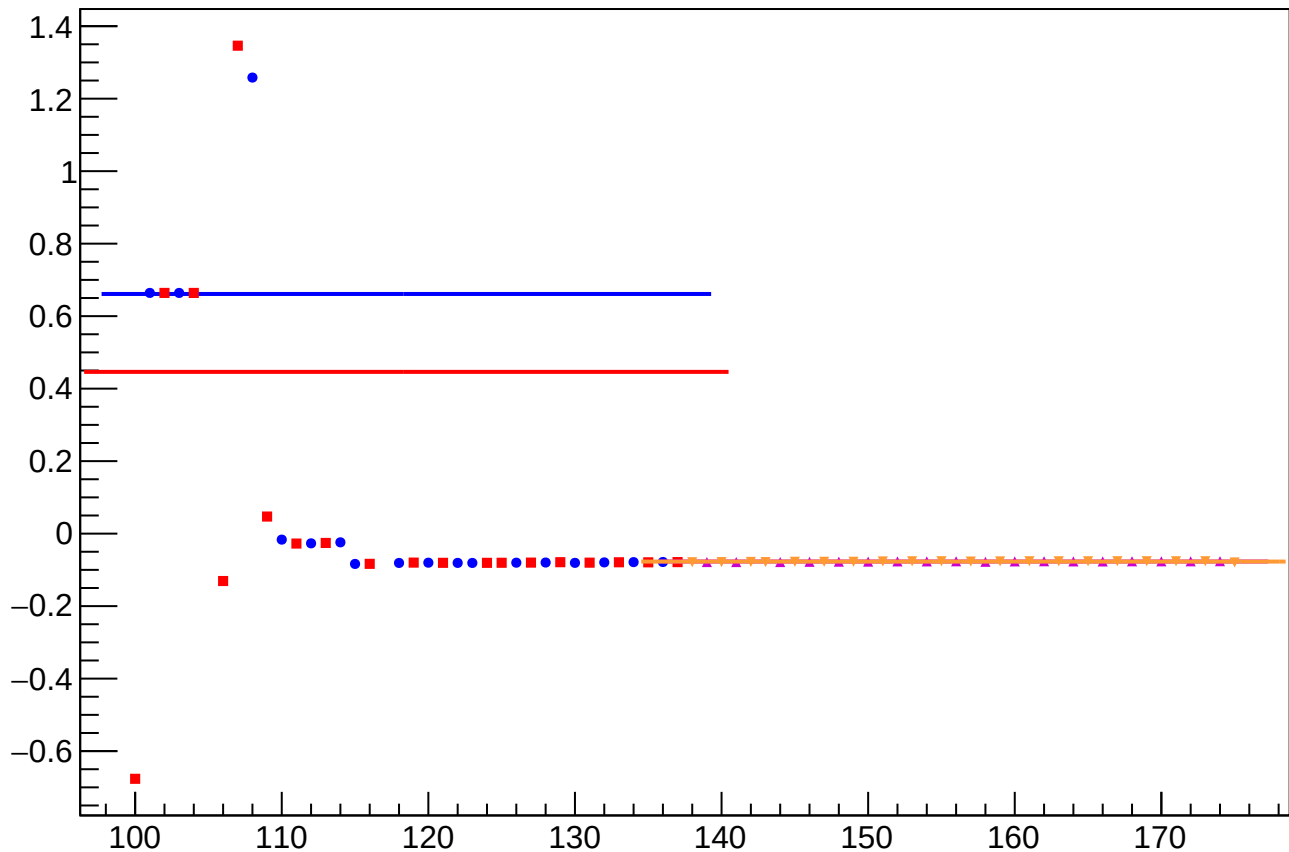
Right: 0.000+/-0.000 χ^2/NDF : 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF : 30413607.8/34

Out: 0.000+/-0.000 χ^2/NDF : 32332504.1/38

All: 0.000+/-0.000 χ^2/NDF : 62746417.0/73

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 : 78403379.0/37

Left Out: -0.077+/-0.000

χ^2/NDF : 51014230.7/19

Right: 0.549+/-0.000

χ^2/NDF : 473947475230218.3

Right Out: 0.446+/-0.000

χ^2/NDF : 405416924315199.0/18

In: 0.649+/-0.000

χ^2/NDF : 28273520754946.7/34

Out: 0.438+/-0.000

χ^2/NDF : 417643062268542.9/3

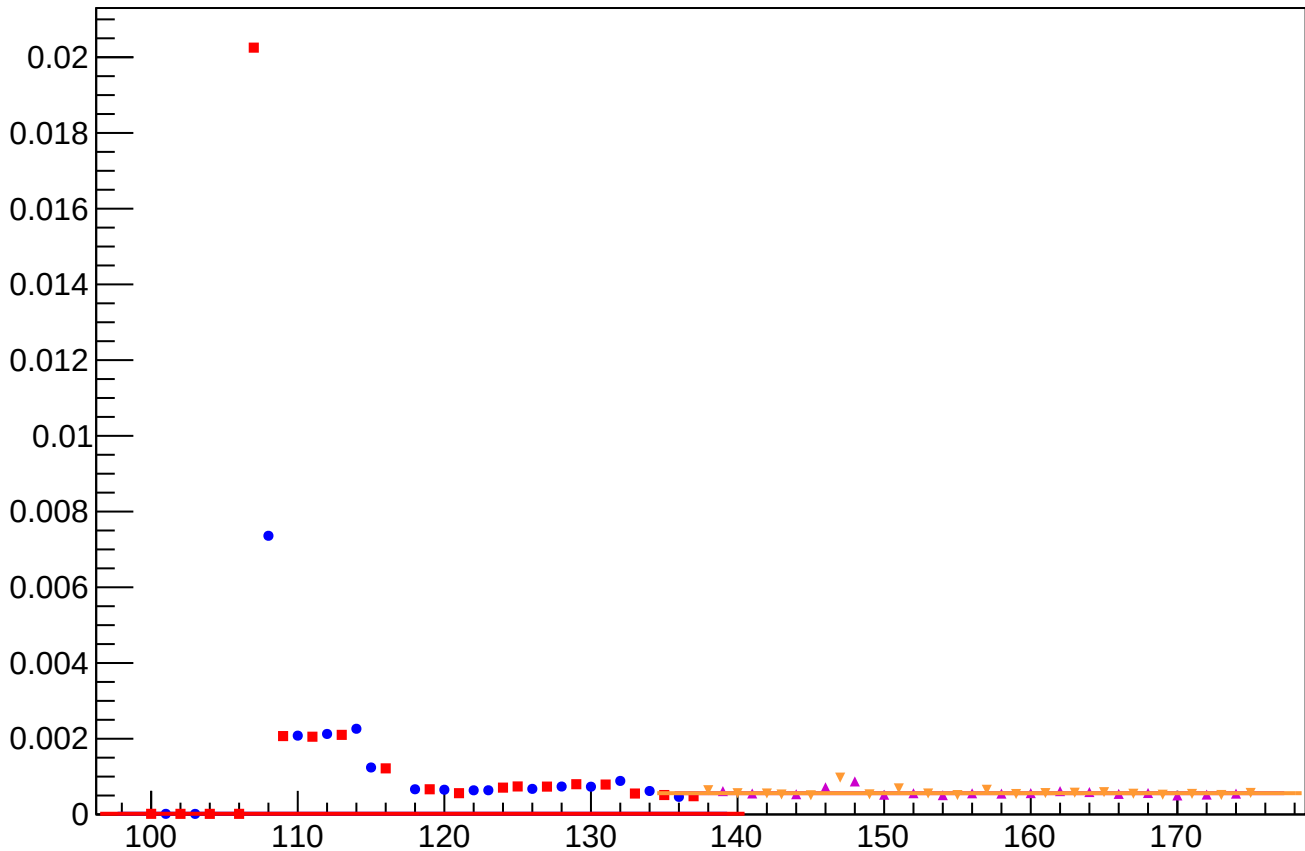
Left In: -0.077+/-0.000

χ^2/NDF : 26996707.1/17

All: 0.539+/-0.000

χ^2/NDF : 50773055152243

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 : 439819.5/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

Left In: 0.001+/-0.000 χ^2/NDF : 352386.3/17

Left: 0.001+/-0.000 χ^2/NDF : 792273.9/37

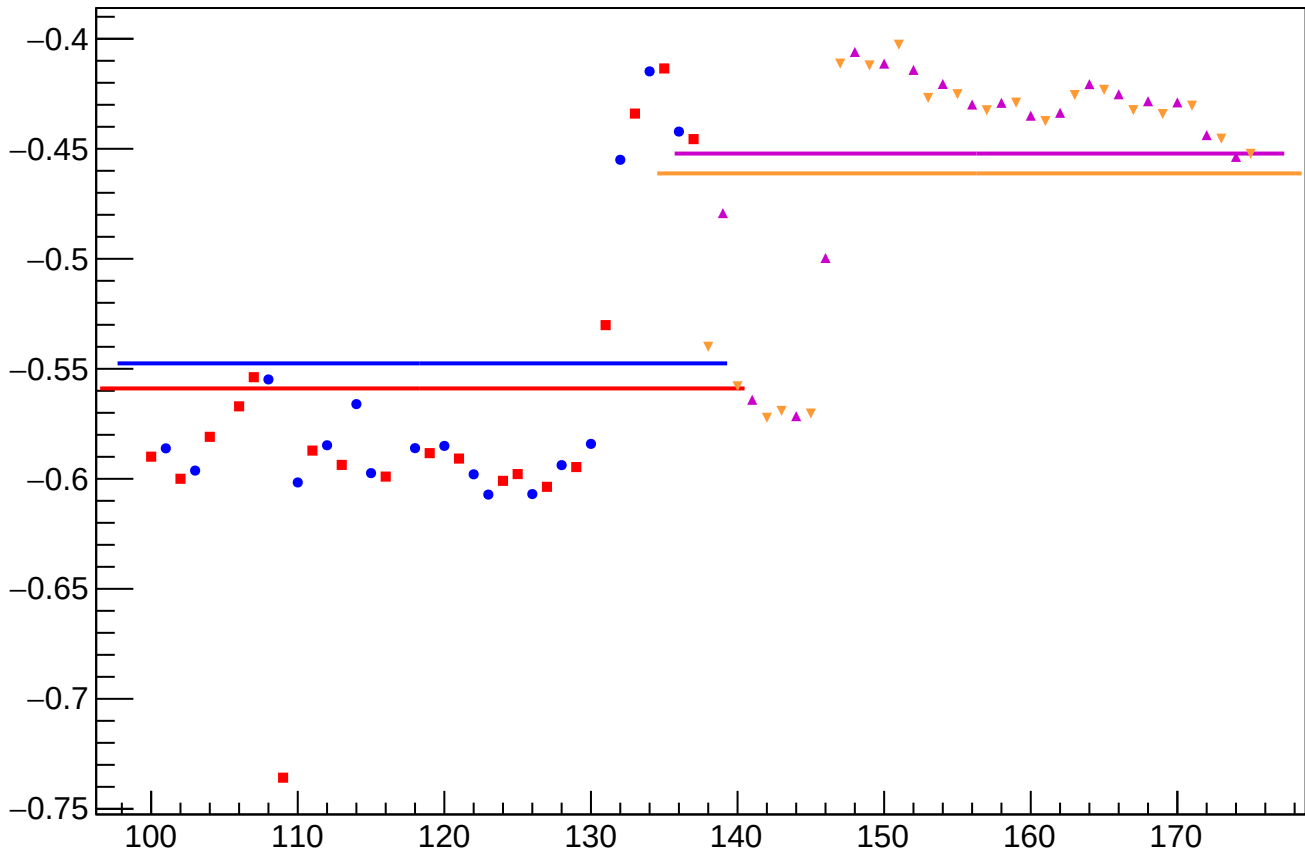
Right: 0.000+/-0.000 χ^2/NDF : 19354868.6/35

In: 0.000+/-0.000 χ^2/NDF : 34904705.4/34

Out: 0.000+/-0.000 χ^2/NDF : 36284855.4/38

All: 0.000+/-0.000 χ^2/NDF : 71189725.6/73

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548 $\pm$ 0.000 χ^2 /NDF: 48545285.9/16

Left Out: -0.461 $\pm$ 0.000 χ^2 /NDF: 106695279.8/19

Right Out: -0.559 $\pm$ 0.000 χ^2 /NDF: 65330923.3/18

Left In: -0.452 $\pm$ 0.000 χ^2 /NDF: 75253764.8/17

Left: -0.457 $\pm$ 0.000 χ^2 /NDF: 183158869.9/37

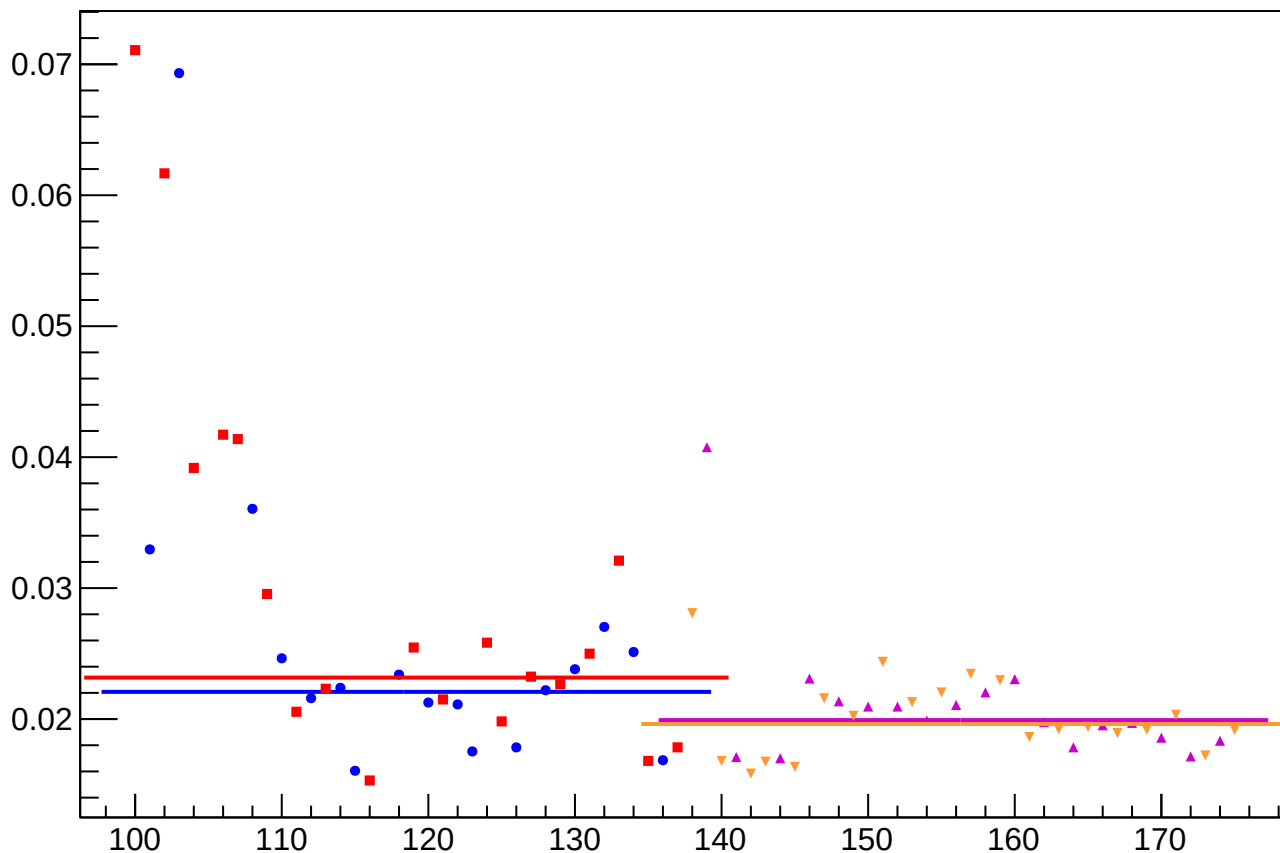
Right: -0.553 $\pm$ 0.000 χ^2 /NDF: 114532950.1/35

In: -0.478 $\pm$ 0.000 χ^2 /NDF: 192757421.4/34

Out: -0.485 $\pm$ 0.000 χ^2 /NDF: 243917019.8/38

All: -0.481 $\pm$ 0.000 χ^2 /NDF: 437663715.4/73

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 424890.8/19

Right Out: 0.023+/-0.000 χ^2/NDF : 1156758.3/18

Left In: 0.020+/-0.000 χ^2/NDF : 583158.3/17

Left: 0.020+/-0.000 χ^2/NDF : 1010675.4/37

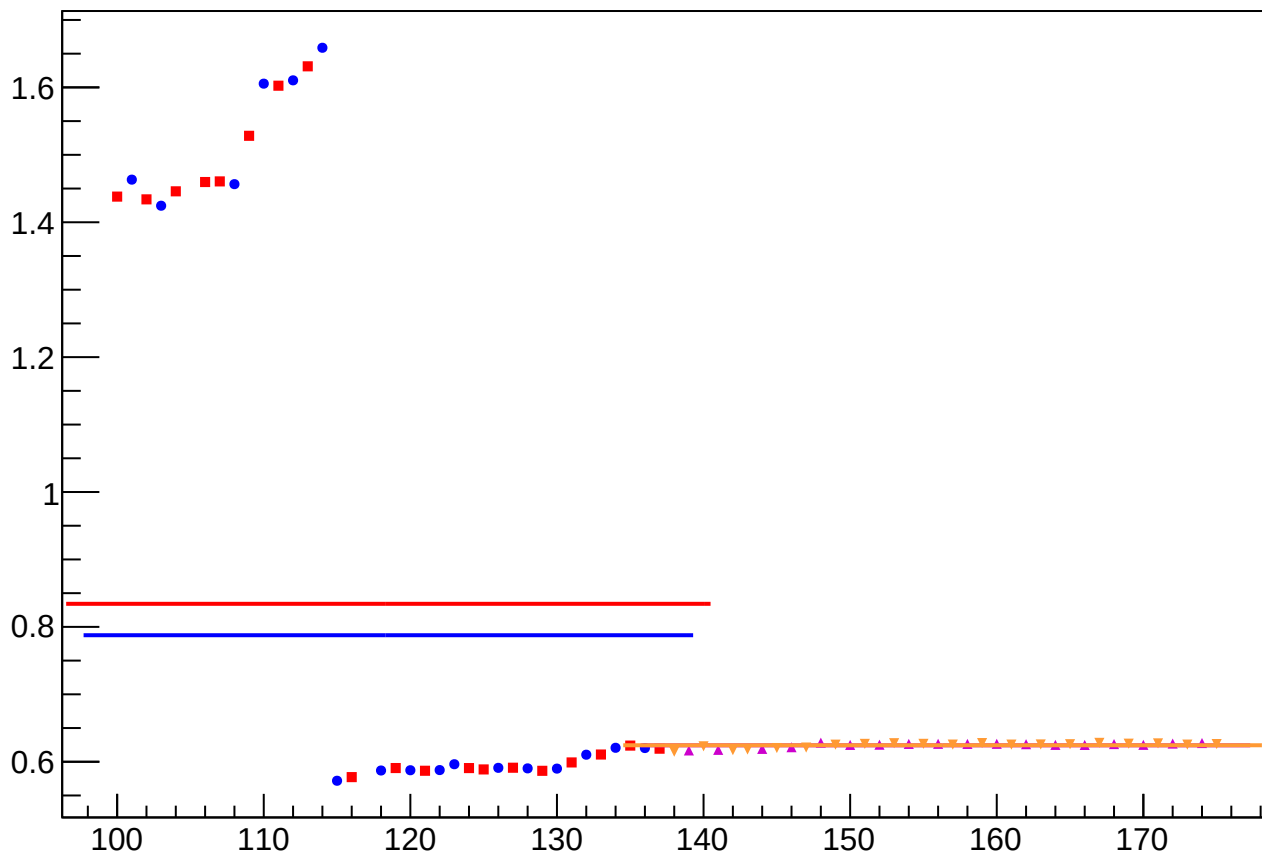
Right: 0.023+/-0.000 χ^2/NDF : 2123609.7/35

In: 0.020+/-0.000 χ^2/NDF : 1608487.5/34

Out: 0.020+/-0.000 χ^2/NDF : 1770917.2/38

All: 0.020+/-0.000 χ^2/NDF : 3379421.3/73

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 :1258088.1/19

Right Out: 0.834 $\pm$ 0.000 χ^2/NDF : 4152115639.4/18

Left In: 0.624 $\pm$ 0.000 χ^2/NDF :1026526.9/17

Left: 0.624 $\pm$ 0.000 χ^2/NDF : 2284998.5/37

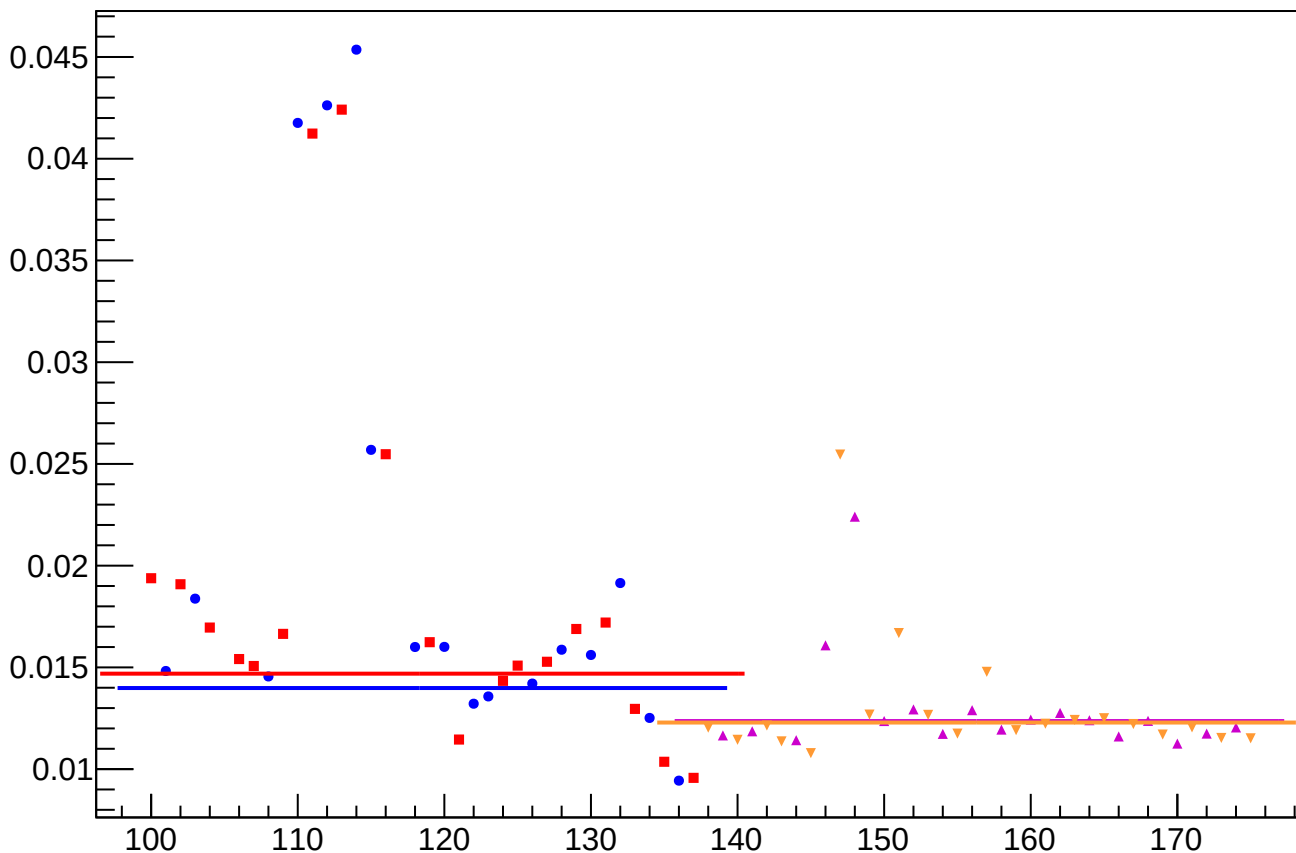
Right: 0.811 $\pm$ 0.000 χ^2/NDF : 7764167044.9/35

In: 0.664 $\pm$ 0.000 χ^2/NDF :4159948555.8/34

Out: 0.672 $\pm$ 0.000 χ^2/NDF :5100201413.4/38

All: 0.668 $\pm$ 0.000 χ^2/NDF : 9263503040.0/73

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 612552.6/19

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1258511.3/18

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 441548.1/17

Left: 0.012 $\pm$ 0.000 χ^2 /NDF: 1054570.6/37

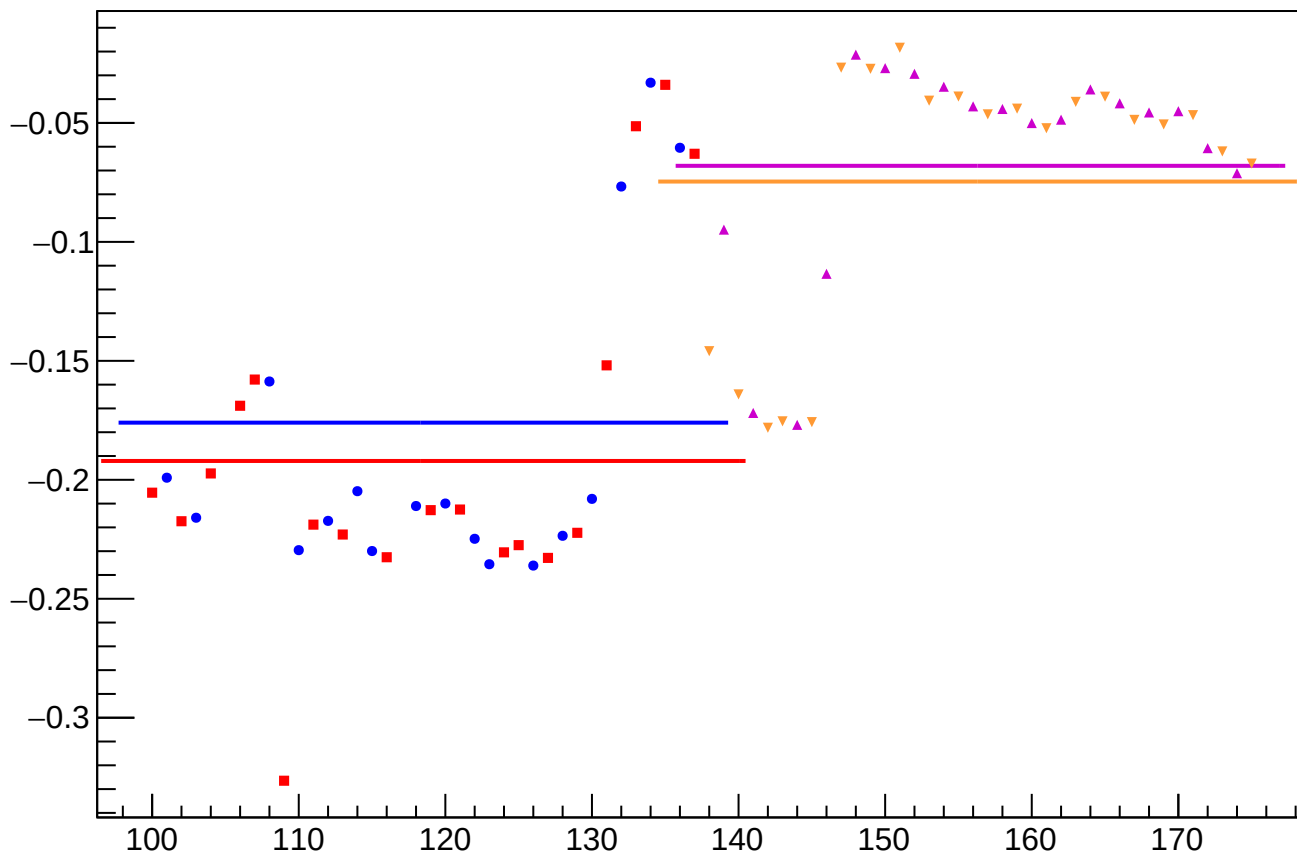
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 2671110.0/35

In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1954392.4/34

Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2119451.6/38

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4074487.2/73

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.075+/-0.000 χ^2/NDF : 101496890.9/19

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

Left In: -0.068+/-0.000 χ^2/NDF : 75637933.7/17

Left: -0.071+/-0.000 χ^2/NDF : 177834921.9/37

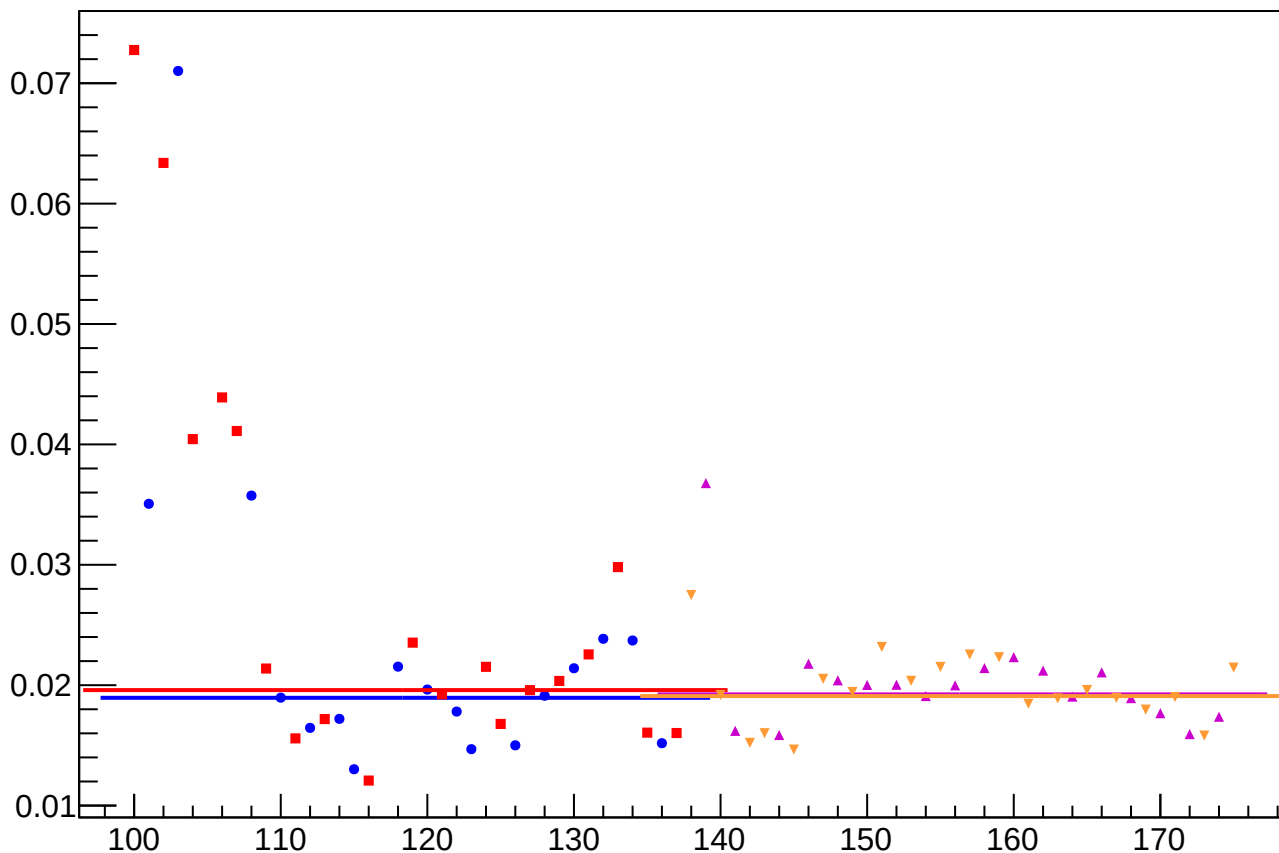
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.101+/-0.000 χ^2/NDF : 256586979.8/34

Out: -0.108+/-0.000 χ^2/NDF : 317413524.5/38

All: -0.105+/-0.000 χ^2/NDF : 575111593.6/73

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 : 495136.4/19

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.019+/-0.000 χ^2/NDF : 588294.2/17

Left: 0.019+/-0.000 χ^2/NDF : 1084043.9/37

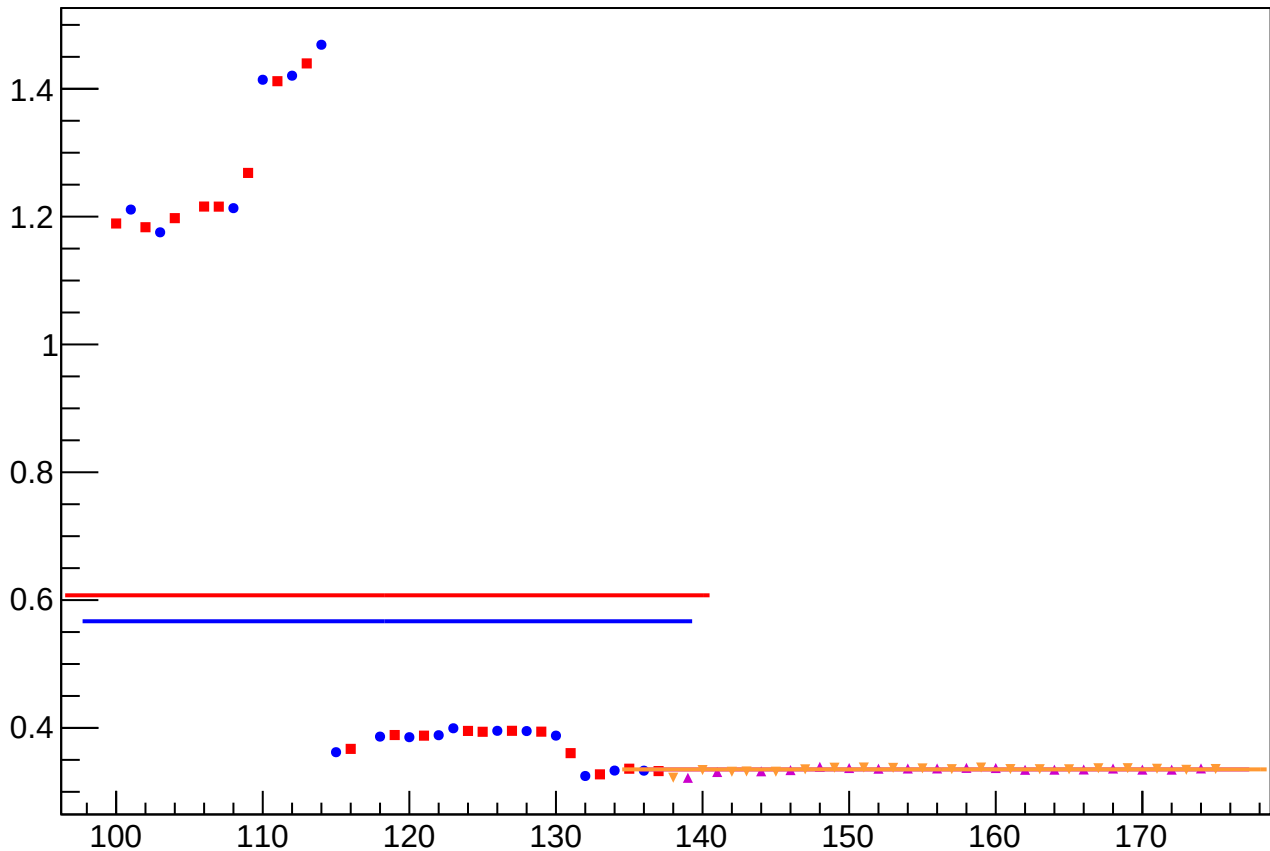
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.019+/-0.000 χ^2/NDF : 1793082.4/34

Out: 0.019+/-0.000 χ^2/NDF : 1955203.4/38

All: 0.019+/-0.000 χ^2/NDF : 3748669.6/73

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:1135647.2/19

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1187789.6/17

Left: 0.335 $\pm$ 0.000 χ^2 /NDF: 2324196.2/37

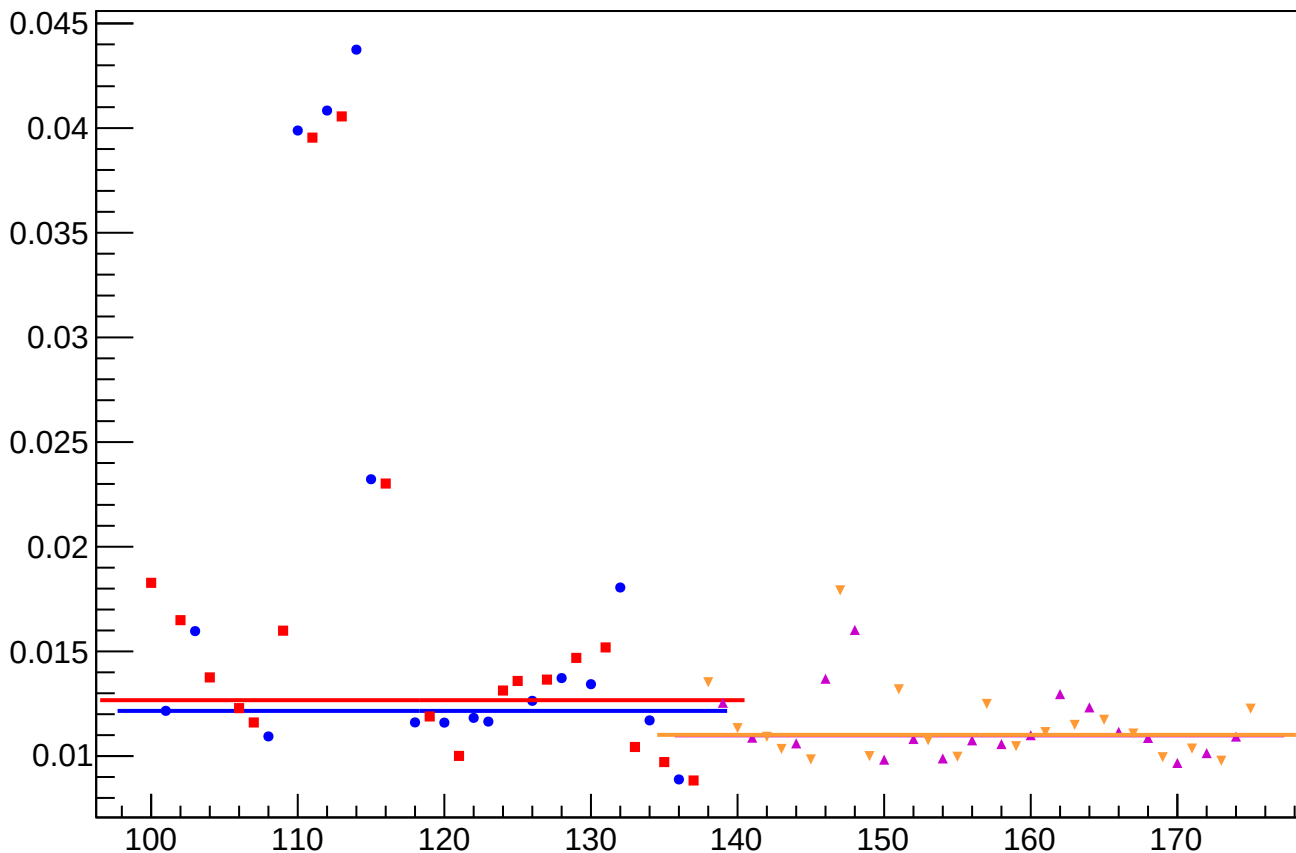
Right: 0.587 $\pm$ 0.000 χ^2 /NDF: 10552855690.4/35

In: 0.394 $\pm$ 0.000 χ^2 /NDF:6536287013.7/34

Out: 0.400 $\pm$ 0.000 χ^2 /NDF:7580817465.2/38

All: 0.397 $\pm$ 0.000 χ^2 /NDF: 14119478504.3/77

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 468663.1/19

Right Out: 0.013+/-0.000 χ^2/NDF : 1267219.4/18

Left In: 0.011+/-0.000 χ^2/NDF : 368385.6/17

Left: 0.011+/-0.000 χ^2/NDF : 837110.8/37

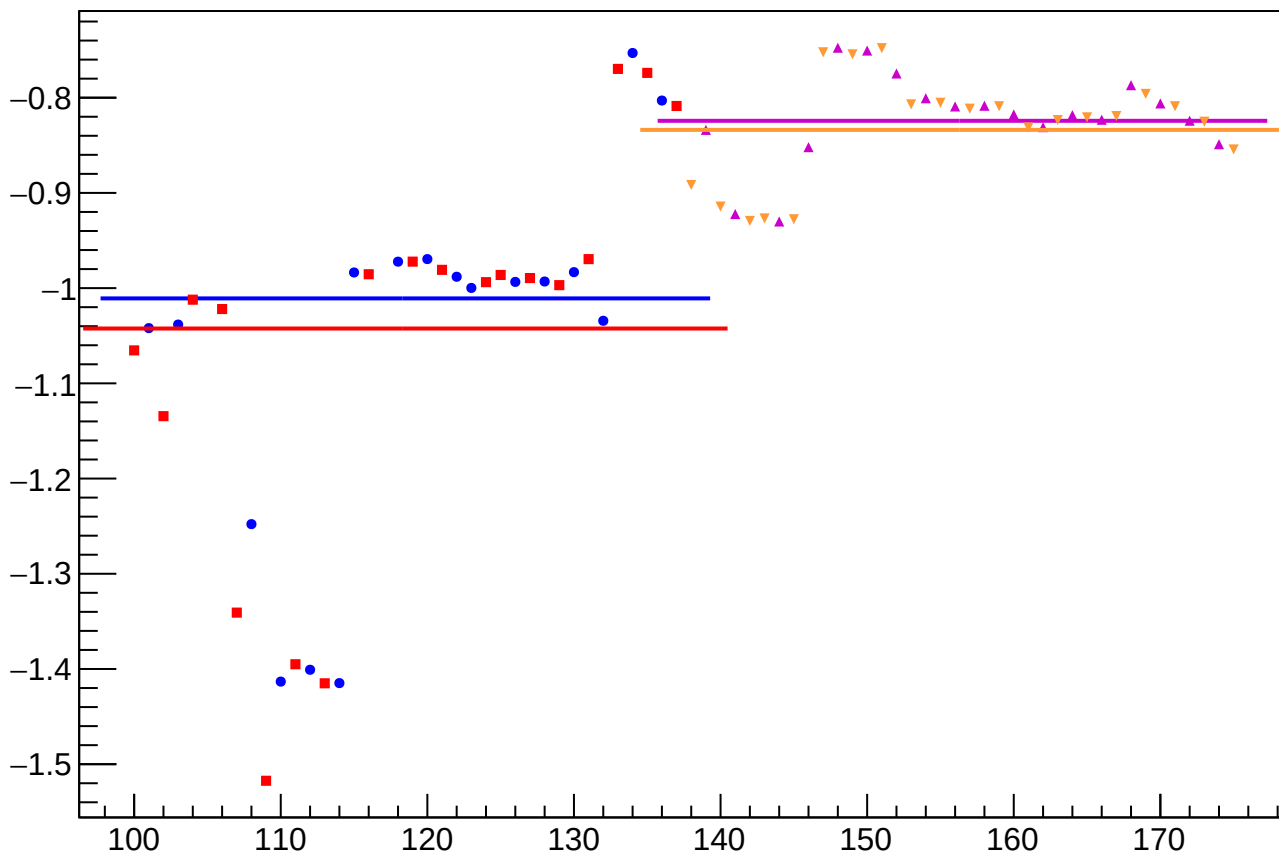
Right: 0.012+/-0.000 χ^2/NDF : 2584926.4/35

In: 0.011+/-0.000 χ^2/NDF : 1753389.4/34

Out: 0.011+/-0.000 χ^2/NDF : 1889358.7/38

All: 0.011+/-0.000 χ^2/NDF : 3644871.9/73

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011 ± 0.000 $\chi^2/\text{NDF}: 387140230.3/16$

Left Out: -0.834 ± 0.000 $\chi^2/\text{NDF}: 98622685.0/19$

Right Out: -1.042 ± 0.000 $\chi^2/\text{NDF}: 528958824.5/18$

Left In: -0.824 ± 0.000 $\chi^2/\text{NDF}: 74977943.9/17$

Left: -0.829 ± 0.000 $\chi^2/\text{NDF}: 175020442.4/37$

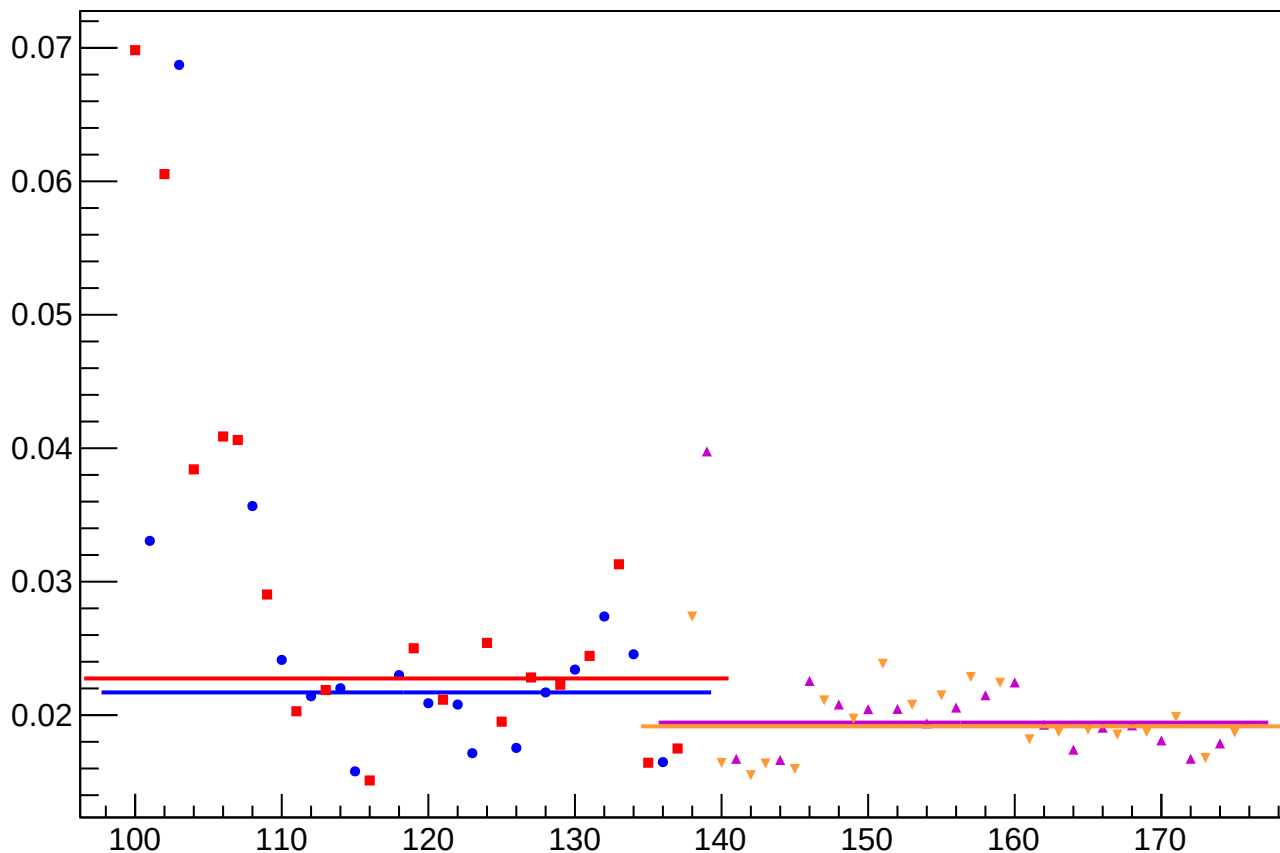
Right: -1.026 ± 0.000 $\chi^2/\text{NDF}: 921337924.7/35$

In: -0.874 ± 0.000 $\chi^2/\text{NDF}: 735821818.5/34$

Out: -0.883 ± 0.000 $\chi^2/\text{NDF}: 967741149.0/38$

All: -0.879 ± 0.000 $\chi^2/\text{NDF}: 1705629103.6/77$

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 423478.3/19

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

Left In: 0.019+/-0.000 χ^2/NDF : 580836.2/17

Left: 0.019+/-0.000 χ^2/NDF : 1006792.6/37

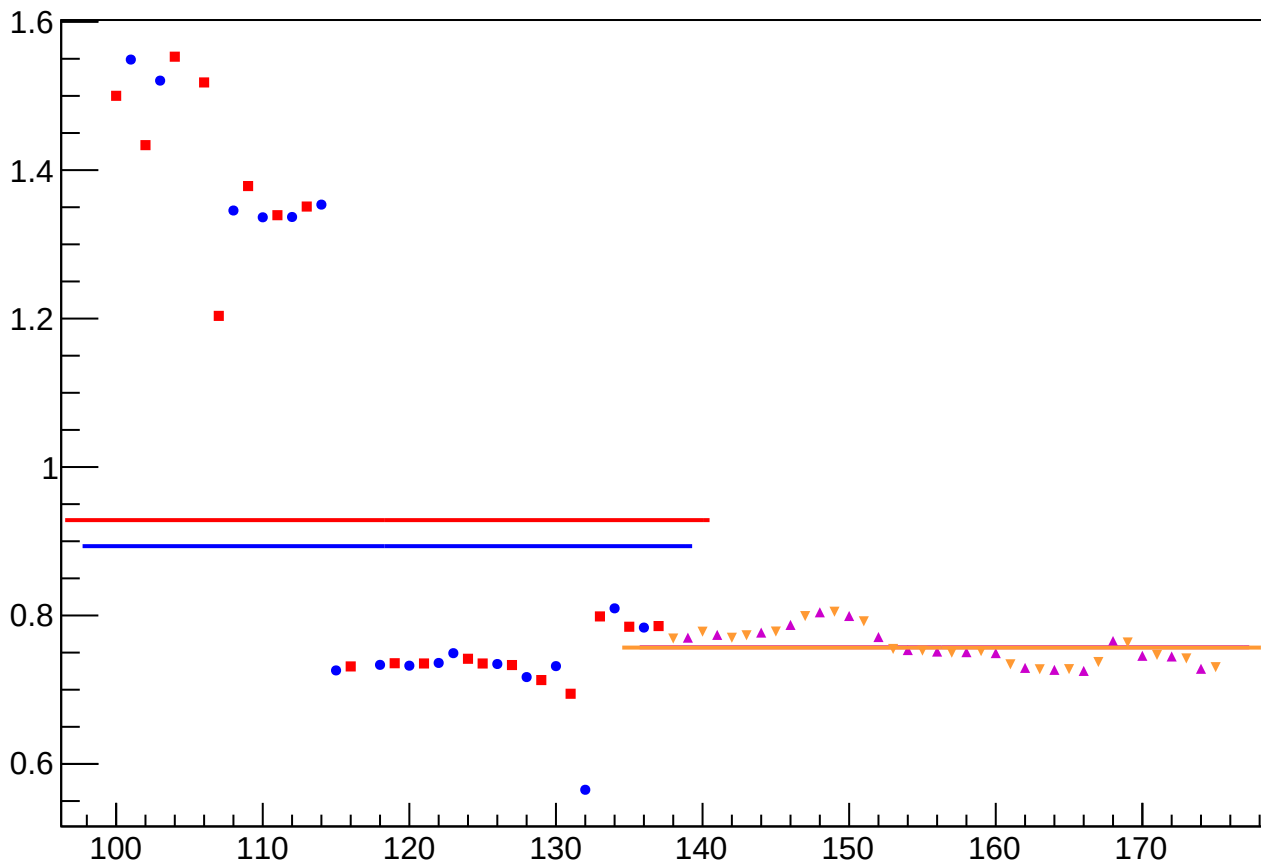
Right: 0.022+/-0.000 χ^2/NDF : 2143091.8/35

In: 0.020+/-0.000 χ^2/NDF : 1640660.9/34

Out: 0.020+/-0.000 χ^2/NDF : 1777324.6/38

All: 0.020+/-0.000 χ^2/NDF : 3418009.9/73

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.757 $\pm$ 0.000 χ^2/NDF :43553940.8/19

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2435640156.0/18

Left In: 0.757 $\pm$ 0.000 χ^2/NDF :39986122.0/17

Left: 0.757 $\pm$ 0.000 χ^2/NDF : 83548559.6/37

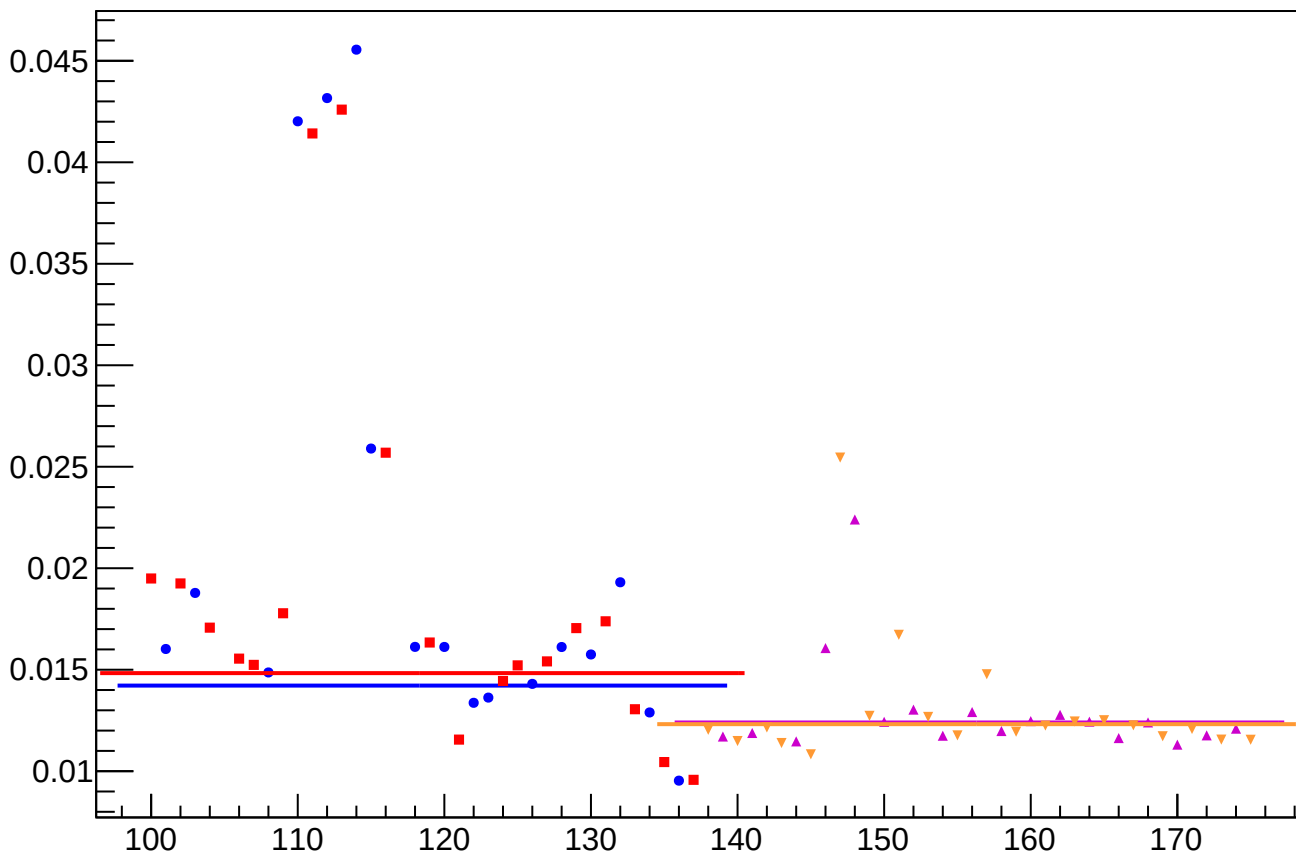
Right: 0.911 $\pm$ 0.000 χ^2/NDF : 4860512064.2/35

In: 0.790 $\pm$ 0.000 χ^2/NDF :2837883775.9/34

Out: 0.795 $\pm$ 0.000 χ^2/NDF :3101973495.5/38

All: 0.793 $\pm$ 0.000 χ^2/NDF : 5941486266.5/73

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 : 607777.6/19

Right Out: 0.015+/-0.000 χ^2/NDF : 1269559.2/18

Left In: 0.012+/-0.000 χ^2/NDF : 436896.4/17

Left: 0.012+/-0.000 χ^2/NDF : 1045295.1/37

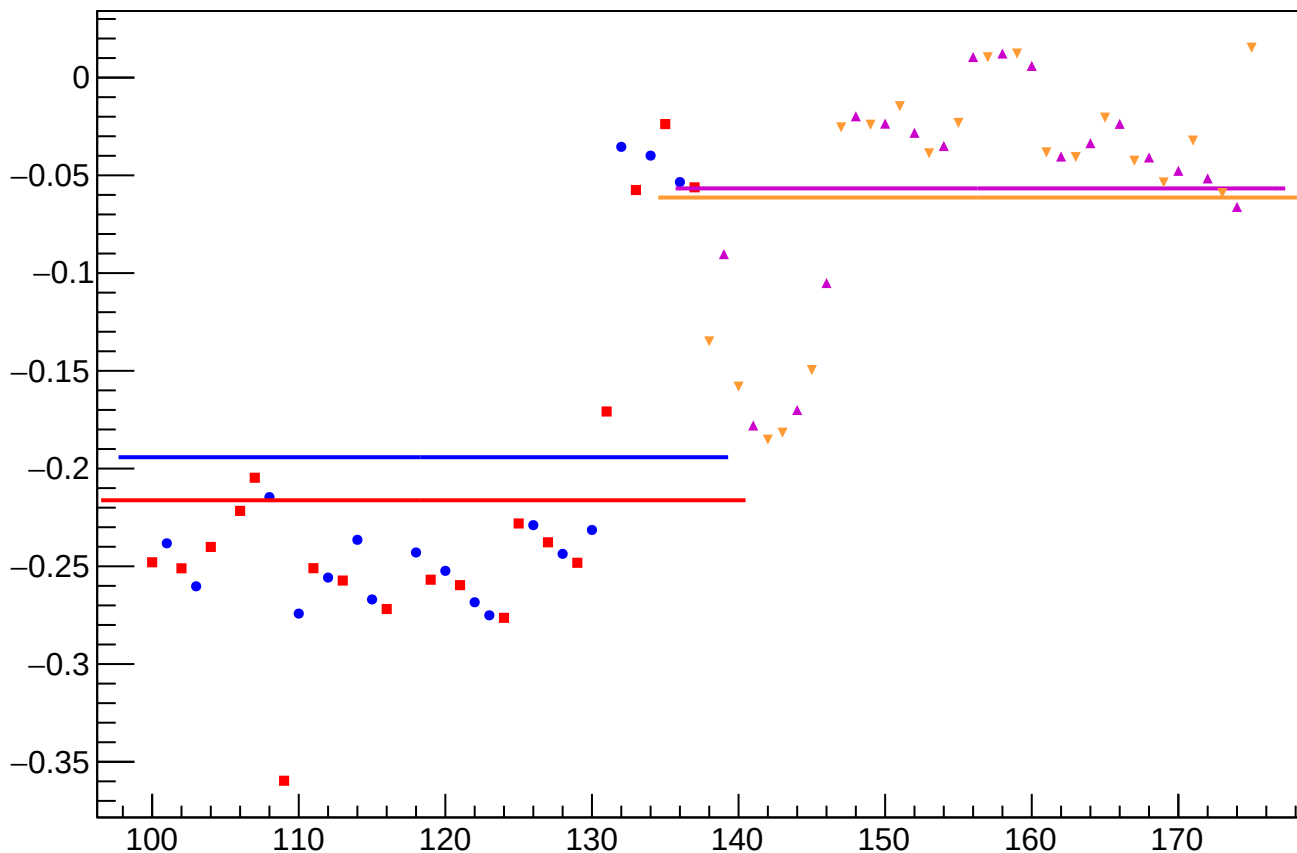
Right: 0.015+/-0.000 χ^2/NDF : 2689500.8/35

In: 0.013+/-0.000 χ^2/NDF : 1985352.1/34

Out: 0.013+/-0.000 χ^2/NDF : 2144478.9/38

All: 0.013+/-0.000 χ^2/NDF : 4130049.8/73

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194 $\pm$ 0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.061 $\pm$ 0.000 χ^2/NDF : 126441670.9/19

Right Out: -0.216 $\pm$ 0.000 χ^2/NDF : 111036295.0/18

Left In: -0.057 $\pm$ 0.000 χ^2/NDF : 97732020.6/17

Left: -0.059 $\pm$ 0.000 χ^2/NDF : 224521799.4/37

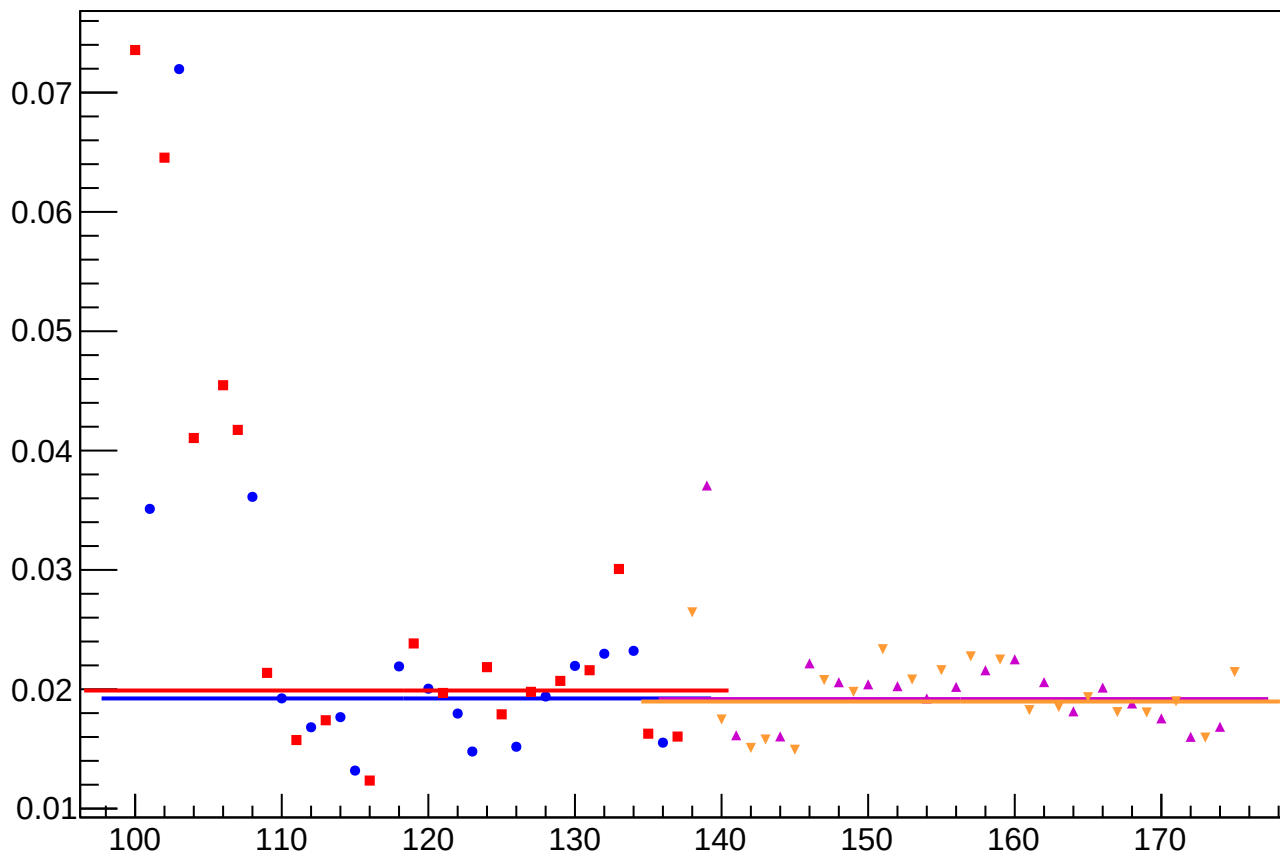
Right: -0.205 $\pm$ 0.000 χ^2/NDF : 222671892.3/35

In: -0.098 $\pm$ 0.000 χ^2/NDF : 382547664.0/34

Out: -0.105 $\pm$ 0.000 χ^2/NDF : 463195183.1/38

All: -0.102 $\pm$ 0.000 χ^2/NDF : 846631142.7/73

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 : 492316.6/19

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.019+/-0.000 χ^2/NDF : 607300.8/17

Left: 0.019+/-0.000 χ^2/NDF : 1100956.8/37

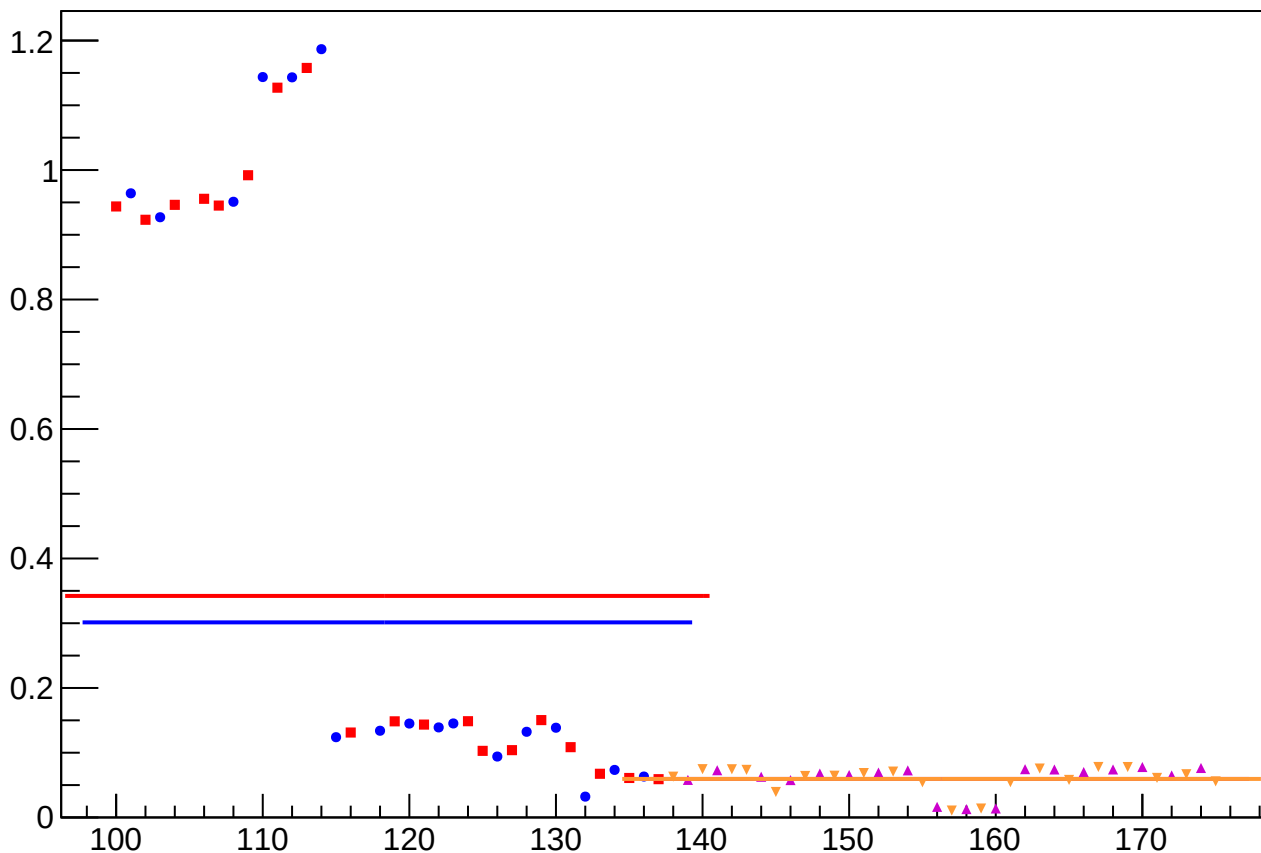
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.019+/-0.000 χ^2/NDF : 1781930.7/34

Out: 0.019+/-0.000 χ^2/NDF : 1952790.8/38

All: 0.019+/-0.000 χ^2/NDF : 3734787.0/73

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.060+/-0.000 χ^2/NDF : 44001543.3/19

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

Left In: 0.059+/-0.000 χ^2/NDF : 57303043.9/17

Left: 0.059+/-0.000 χ^2/NDF : 101304720.3/37

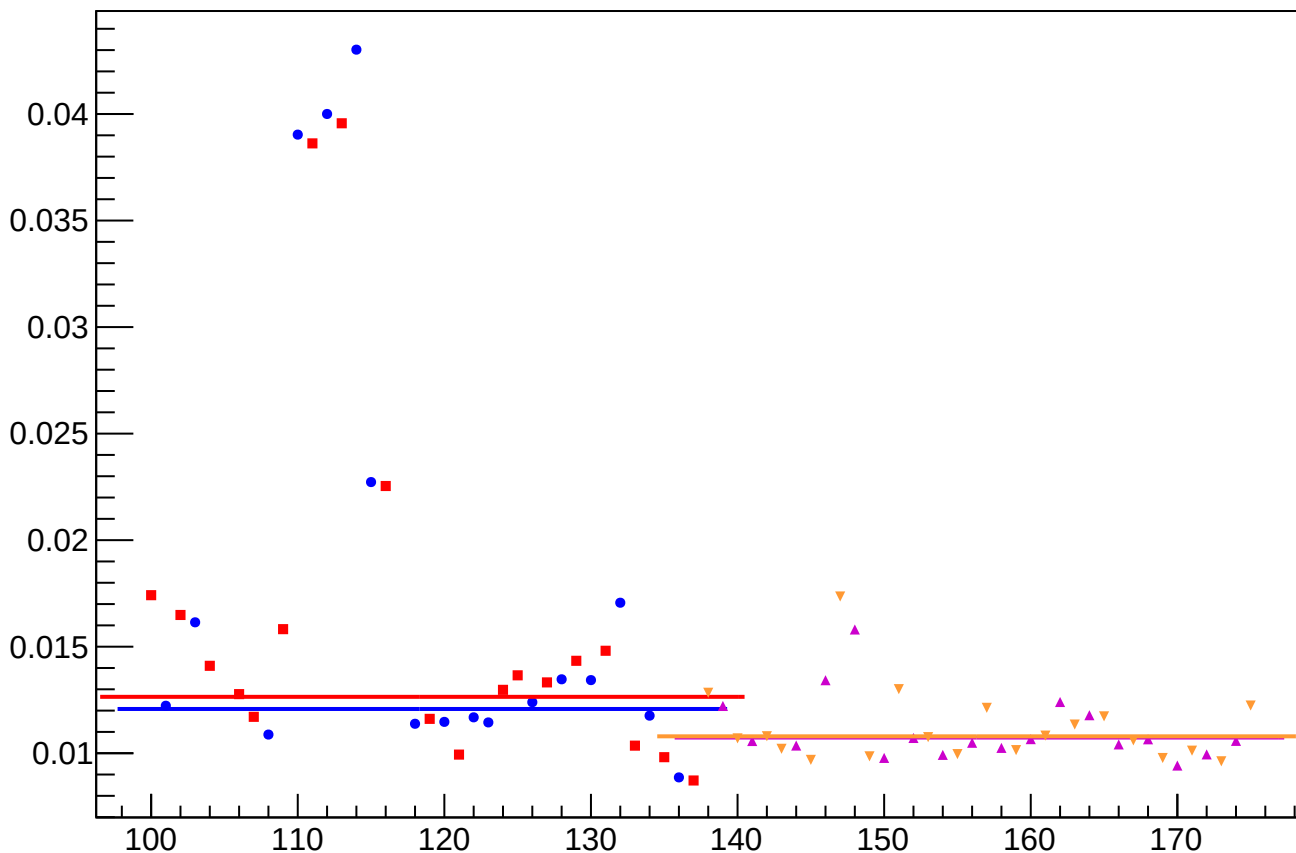
Right: 0.321+/-0.000 χ^2/NDF : 10628899850.1/35

In: 0.120+/-0.000 χ^2/NDF : 6900870614.1/34

Out: 0.125+/-0.000 χ^2/NDF : 7747361568.3/38

All: 0.122+/-0.000 χ^2/NDF : 14650311352.4/71

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 : 443046.1/19

Right Out: 0.013+/-0.000 χ^2/NDF : 1236084.9/18

Left In: 0.011+/-0.000 χ^2/NDF : 349483.0/17

Left: 0.011+/-0.000 χ^2/NDF : 792915.6/37

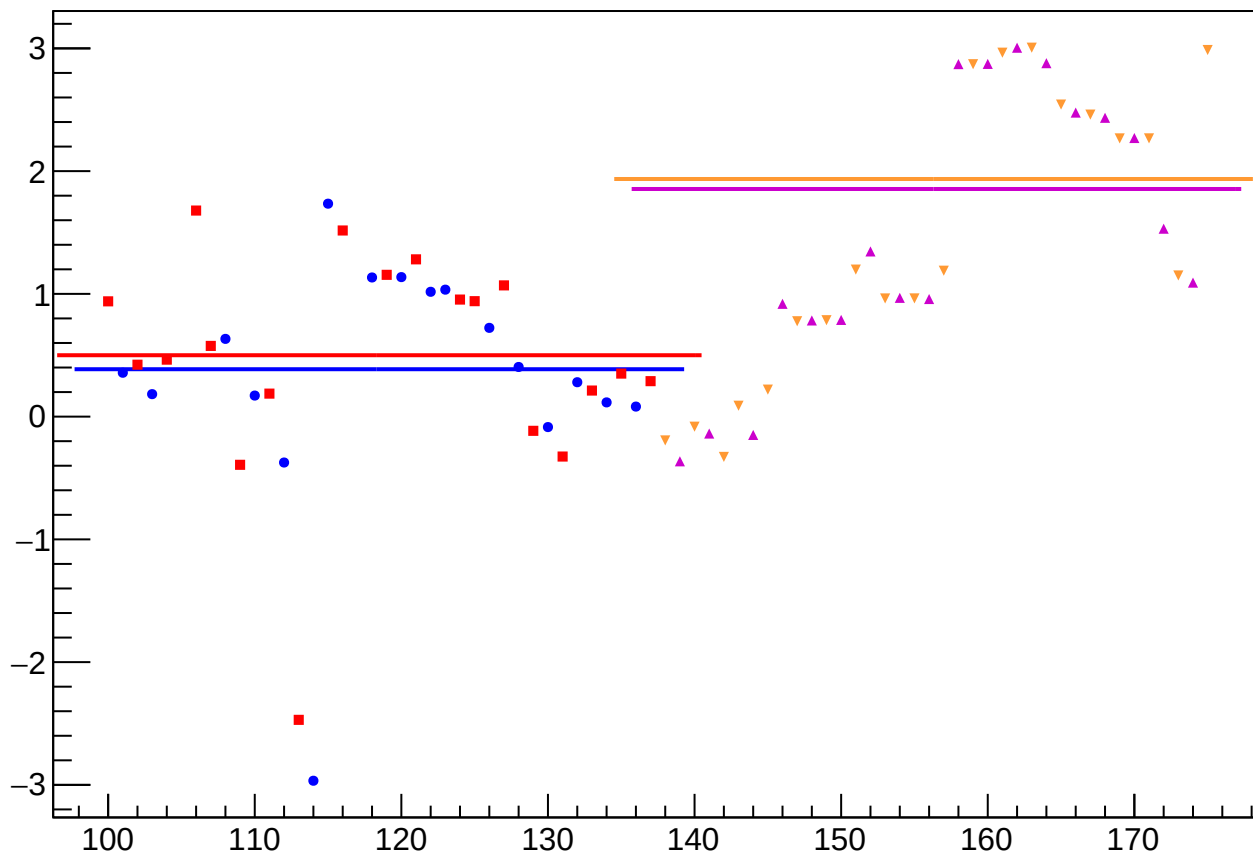
Right: 0.012+/-0.000 χ^2/NDF : 2528646.1/35

In: 0.011+/-0.000 χ^2/NDF : 1733610.6/34

Out: 0.011+/-0.000 χ^2/NDF : 1873586.8/38

All: 0.011+/-0.000 χ^2/NDF : 3610797.2/73

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.936+/-0.000 χ^2/NDF :31937630706.6/19

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

Left In: 1.854+/-0.000 χ^2/NDF :30373656331.2/17

Left: 1.895+/-0.000 χ^2/NDF : 62442553269.0/37

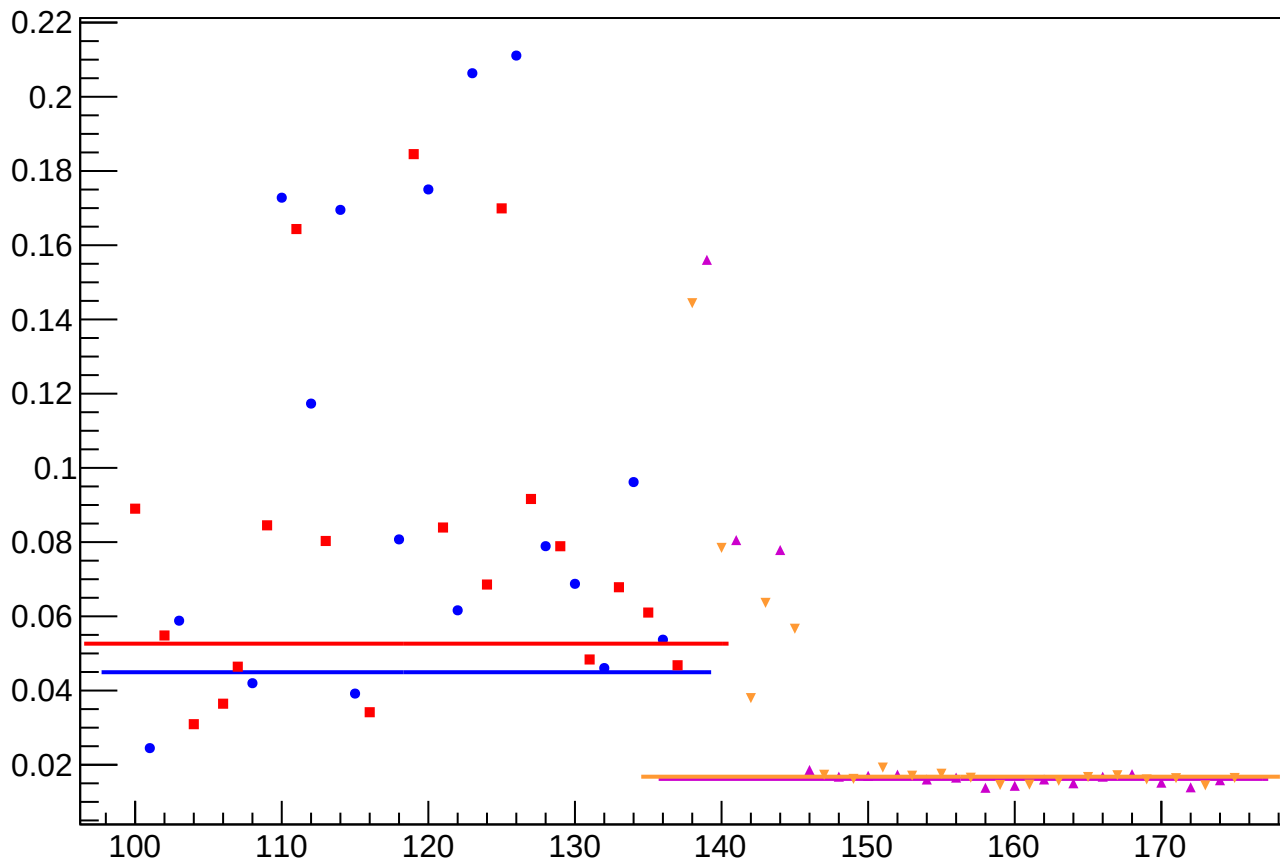
Right: 0.439+/-0.000 χ^2/NDF : 1240216918.3/35

In: 1.793+/-0.000 χ^2/NDF :34228749533.9/34

Out: 1.884+/-0.000 χ^2/NDF :35877016873.0/38

All: 1.838+/-0.000 χ^2/NDF : 70275662410.5/77

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2778743.1/19

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

Left In: 0.016+/-0.000 χ^2/NDF : 2450729.2/17

Left: 0.016+/-0.000 χ^2/NDF : 5243486.5/37

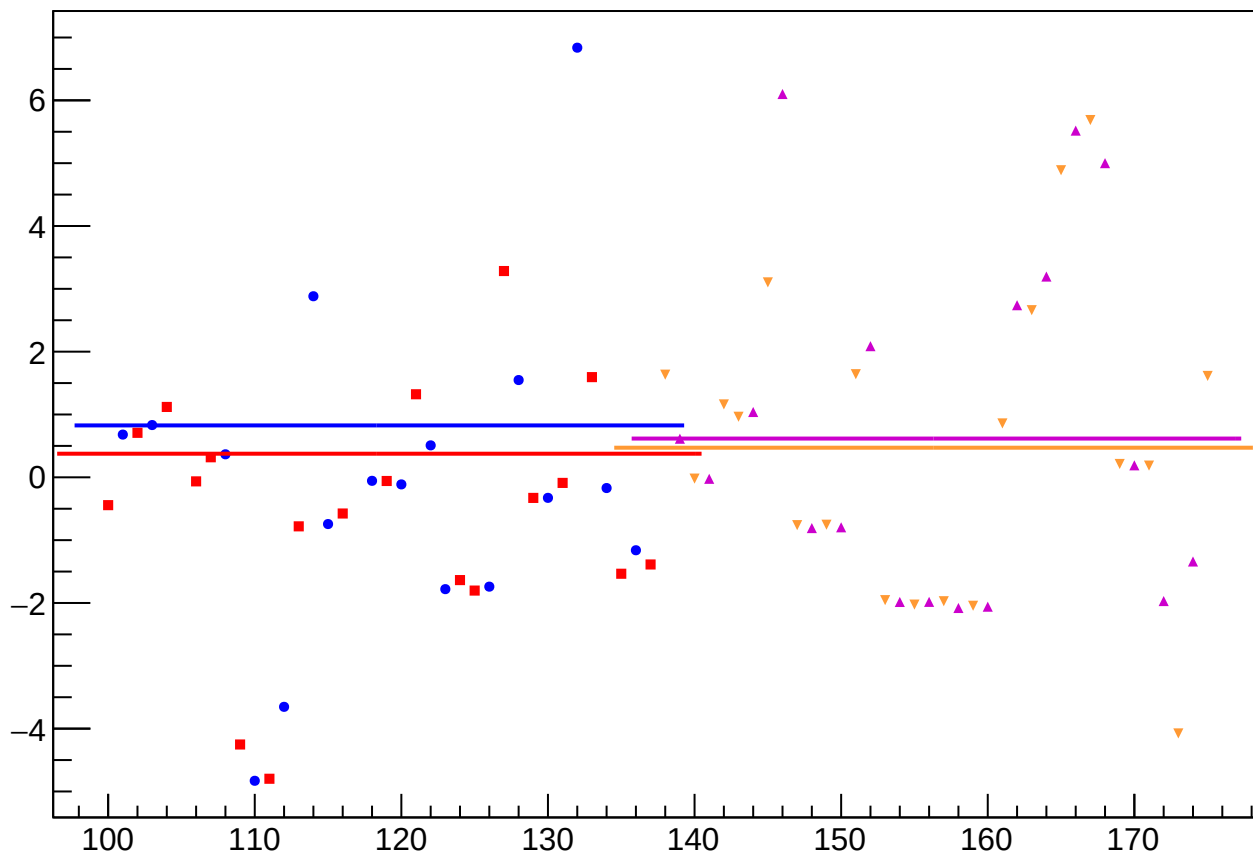
Right: 0.048+/-0.000 χ^2/NDF : 5075265.3/35

In: 0.017+/-0.000 χ^2/NDF : 8005381.9/34

Out: 0.018+/-0.000 χ^2/NDF : 8655670.5/38

All: 0.018+/-0.000 χ^2/NDF : 16680865.5/73

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000

χ^2/NDF : 10945455664.9/16

Left: 0.544+/-0.000 χ^2/NDF : 1019053196148.3/37

Right: 0.614+/-0.000 χ^2/NDF : 16267855103.5/35

Left Out: 0.471+/-0.000

χ^2/NDF : 474627659904.9/19

In: 0.629+/-0.000 χ^2/NDF : 554842793861.2/34

Right Out: 0.376+/-0.000

χ^2/NDF : 4947158634.2/18

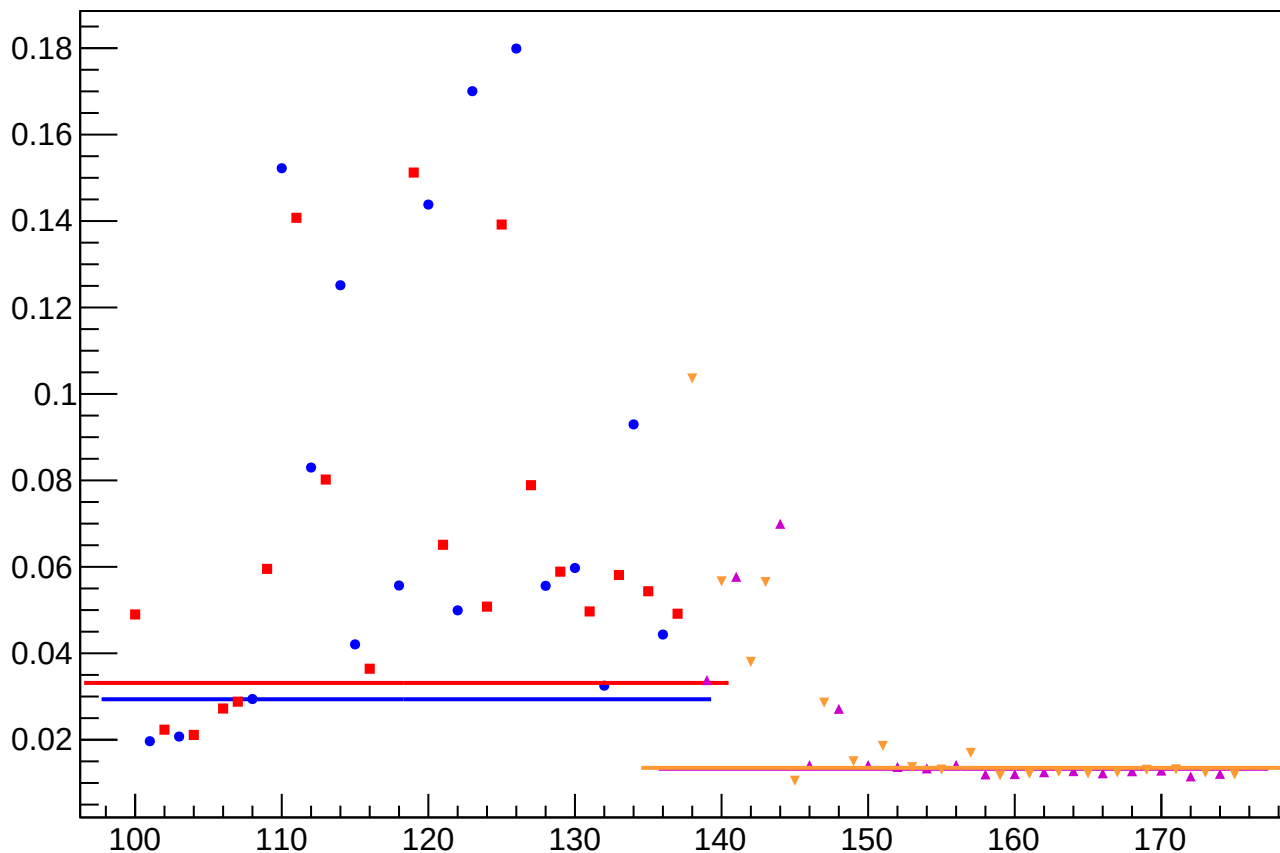
Out: 0.466+/-0.000 χ^2/NDF : 479605095220.5/38

Left In: 0.617+/-0.000

χ^2/NDF : 543734994667.0/17

All: 0.548+/-0.000 χ^2/NDF : 1035355859875.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.013+/-0.000 χ^2/NDF :2890250.4/19

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

Left In: 0.013+/-0.000 χ^2/NDF :1949020.4/17

Left: 0.013+/-0.000 χ^2/NDF : 4842406.2/37

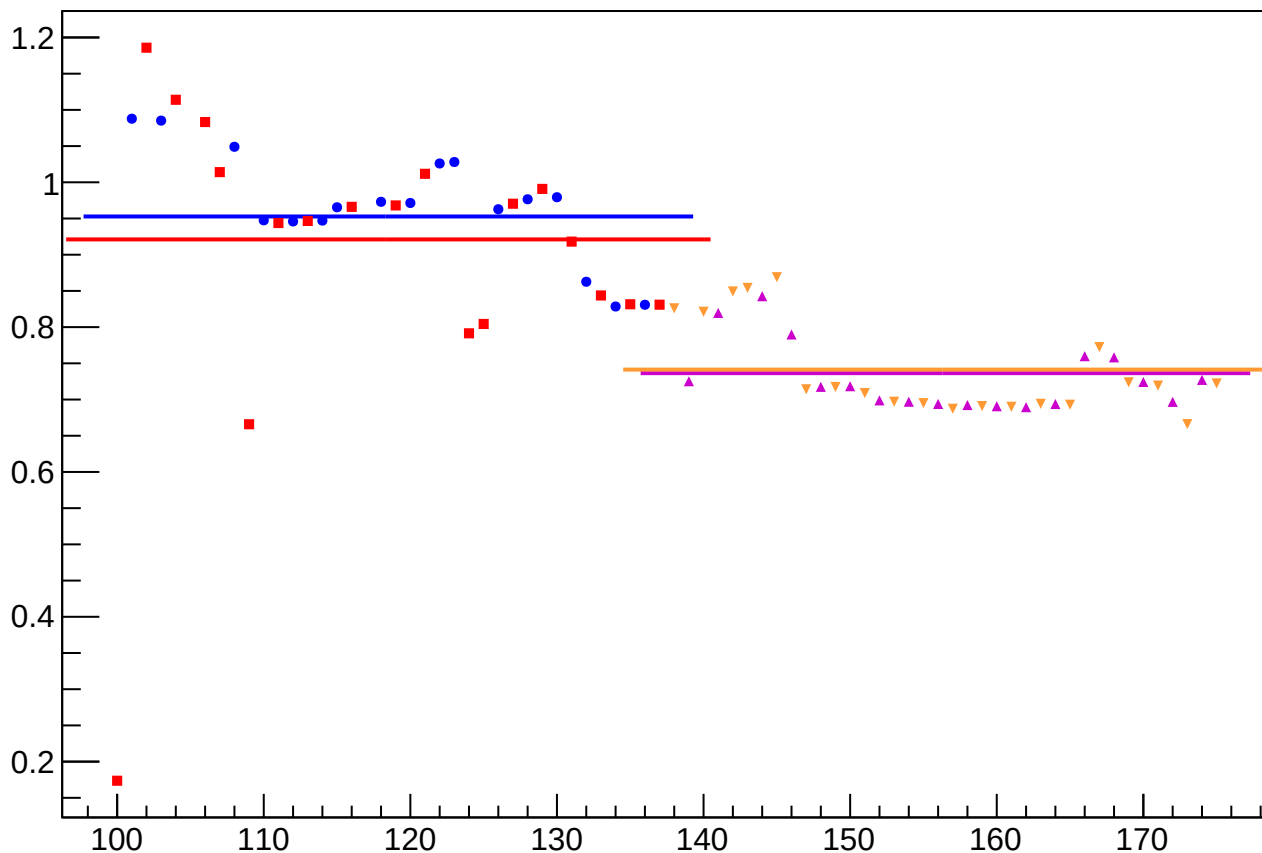
Right: 0.031+/-0.000 χ^2/NDF : 6139085.6/35

In: 0.014+/-0.000 χ^2/NDF :6856542.7/34

Out: 0.014+/-0.000 χ^2/NDF :8549600.3/38

All: 0.014+/-0.000 χ^2/NDF : 15412258.9/73

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.741 $\pm$ 0.000 χ^2 /NDF: 291101175.8/19

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

Left In: 0.736 $\pm$ 0.000 χ^2 /NDF: 164786858.5/17

Left: 0.739 $\pm$ 0.000 χ^2 /NDF: 456712422.0/37

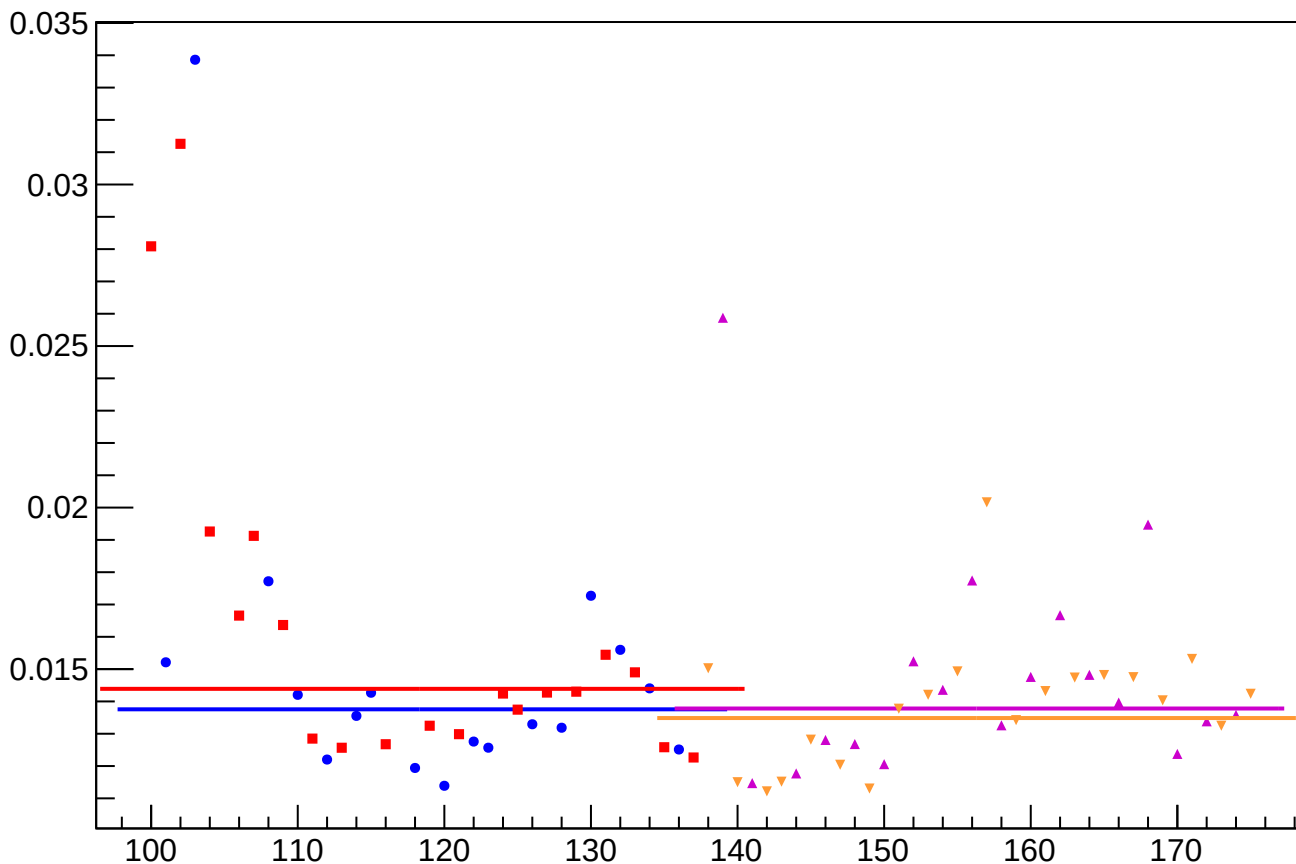
Right: 0.937 $\pm$ 0.000 χ^2 /NDF: 564889848.1/35

In: 0.805 $\pm$ 0.000 χ^2 /NDF: 1312649861.7/34

Out: 0.793 $\pm$ 0.000 χ^2 /NDF: 1340091093.4/38

All: 0.799 $\pm$ 0.000 χ^2 /NDF: 2659691054.4/73

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 : 400726.5/19

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

Left In: 0.014+/-0.000 χ^2/NDF : 752439.2/17

Left: 0.014+/-0.000 χ^2/NDF : 1159150.5/37

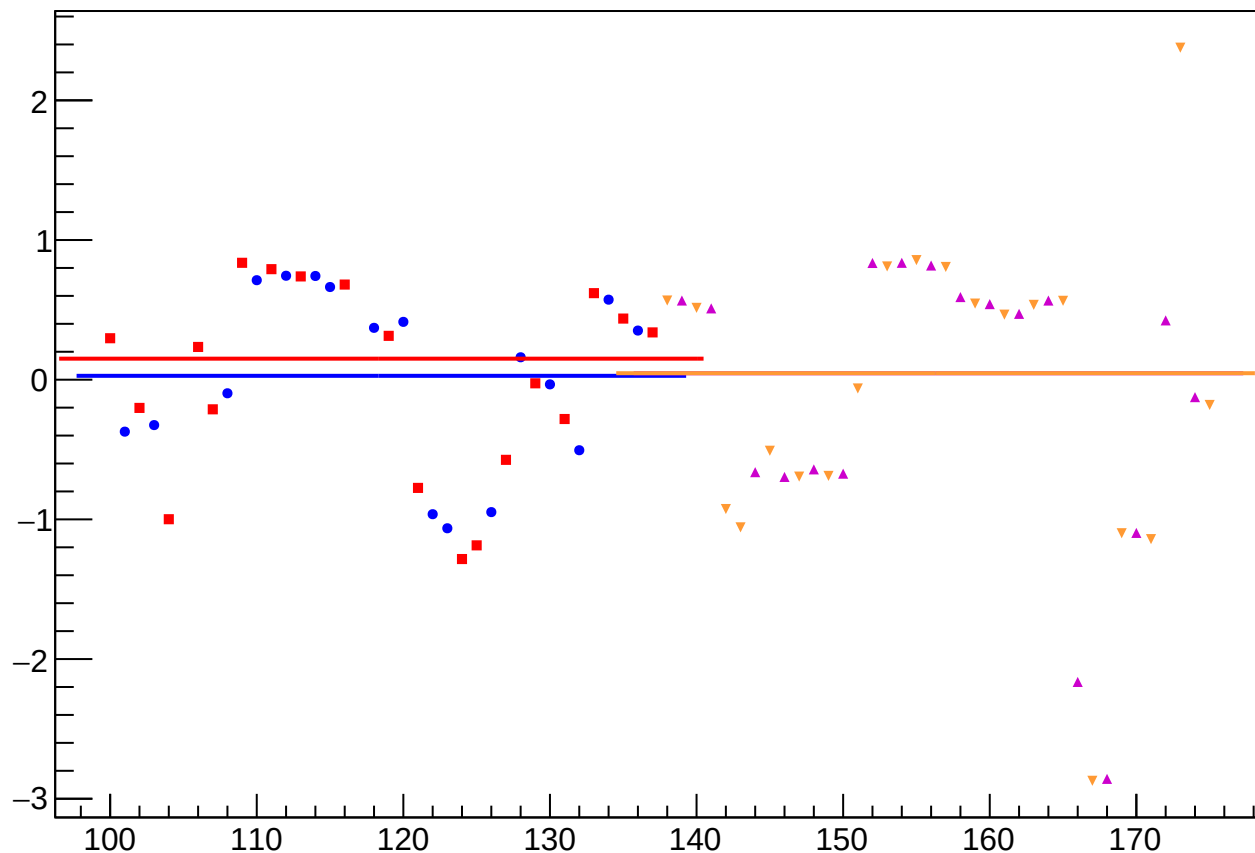
Right: 0.014+/-0.000 χ^2/NDF : 1054284.2/35

In: 0.014+/-0.000 χ^2/NDF : 1290934.3/34

Out: 0.014+/-0.000 χ^2/NDF : 938667.6/38

All: 0.014+/-0.000 χ^2/NDF : 2229670.3/73

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.046+/-0.000 χ^2/NDF : 94822554460.6/19

Right Out: 0.151+/-0.000 χ^2/NDF : 12653743155.9/18

Left In: 0.046+/-0.000 χ^2/NDF : 78822005324.8/17

Left: 0.046+/-0.000 χ^2/NDF : 173644567882.2/37

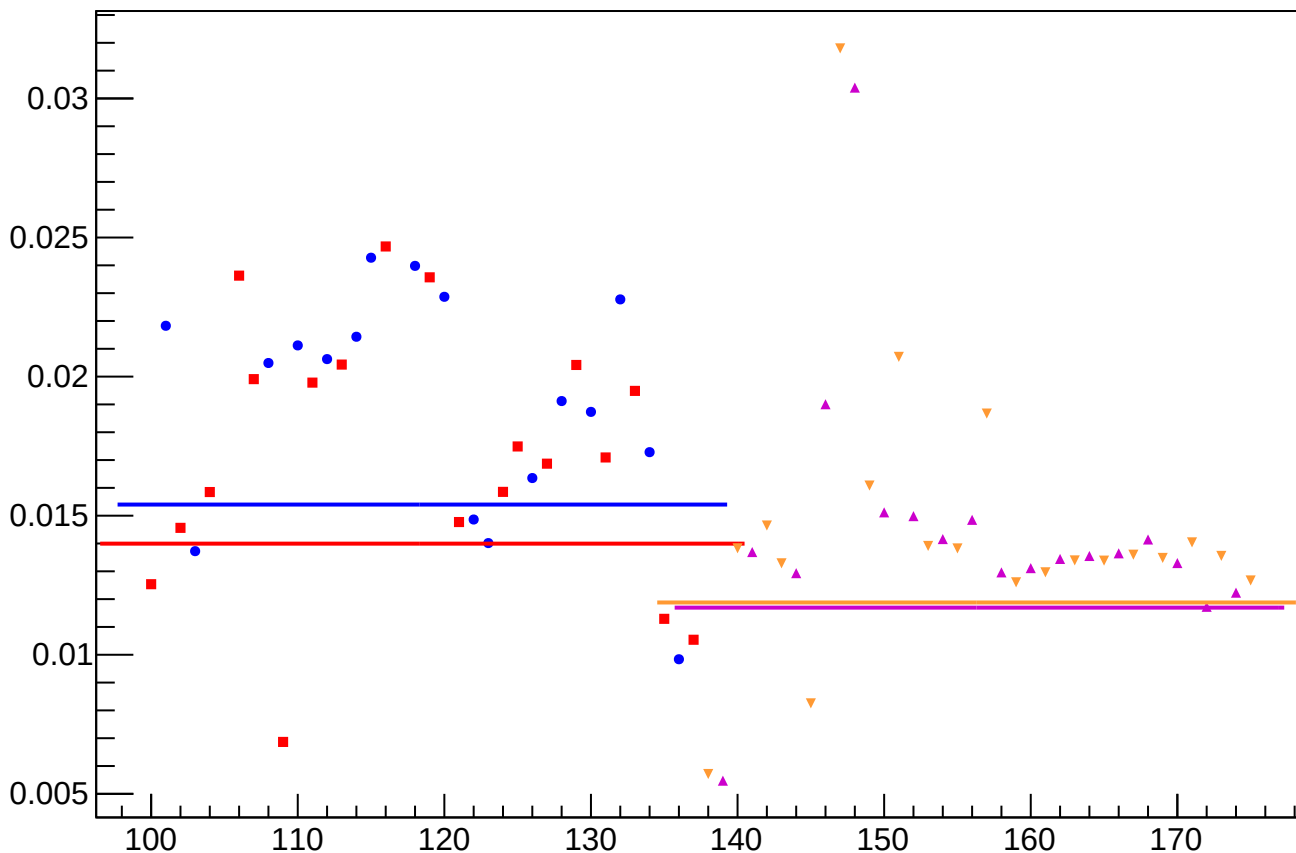
Right: 0.095+/-0.000 χ^2/NDF : 19125643372.9/35

In: 0.042+/-0.000 χ^2/NDF : 85105126905.1/34

Out: 0.071+/-0.000 χ^2/NDF : 107711768305.4/38

All: 0.057+/-0.000 χ^2/NDF : 192866130684.4

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 : 3048263.7/19

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

Left In: 0.012+/-0.000 χ^2/NDF : 3036221.0/17

Left: 0.012+/-0.000 χ^2/NDF : 6087539.7/37

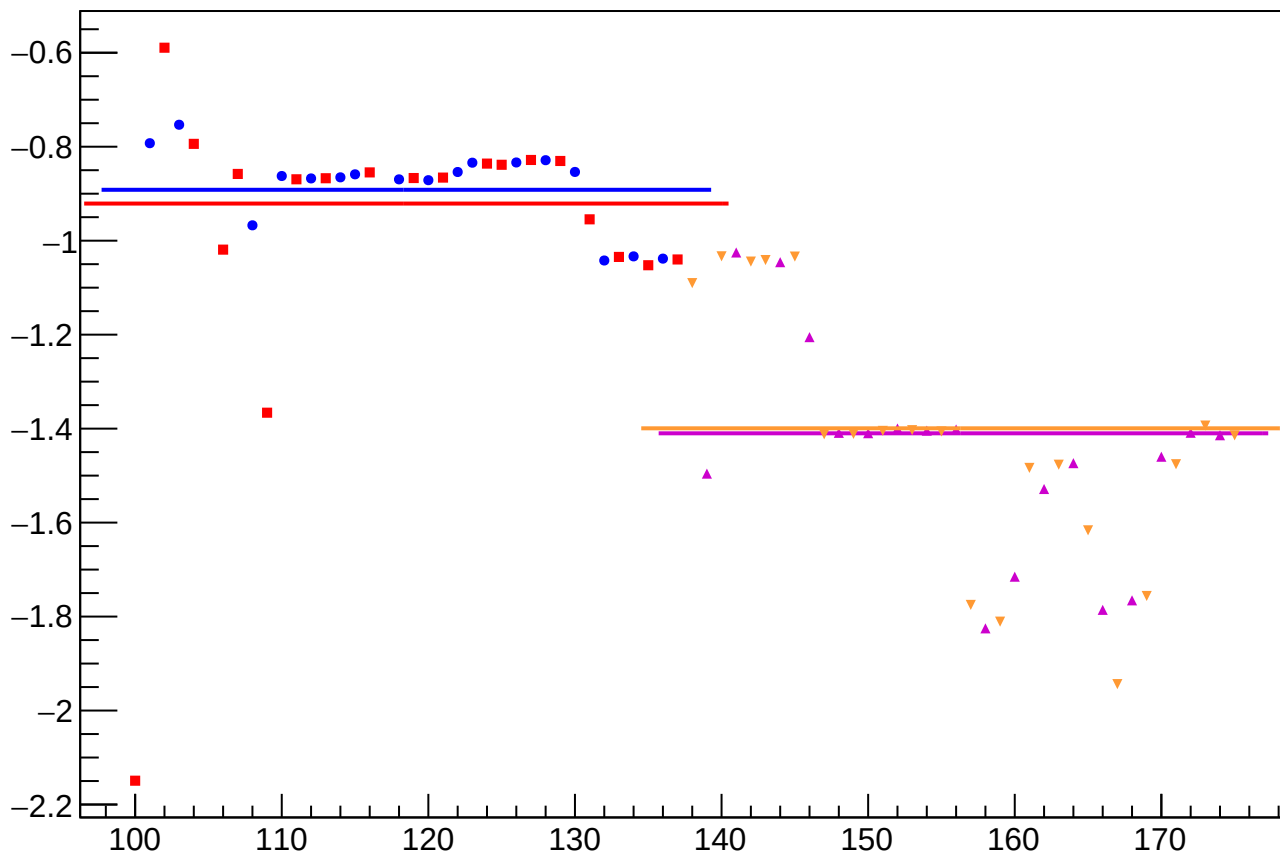
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.012+/-0.000 χ^2/NDF : 4687918.8/34

Out: 0.012+/-0.000 χ^2/NDF : 4803975.3/38

All: 0.012+/-0.000 χ^2/NDF : 9493003.1/73

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.399+/-0.000 χ^2/NDF : 714432702.9/19

Right Out: -0.921+/-0.000 χ^2/NDF : 131159330.1/18

Left In: -1.410+/-0.000 χ^2/NDF : 511161420.2/17

Left: -1.404+/-0.000 χ^2/NDF : 1226176137.5/37

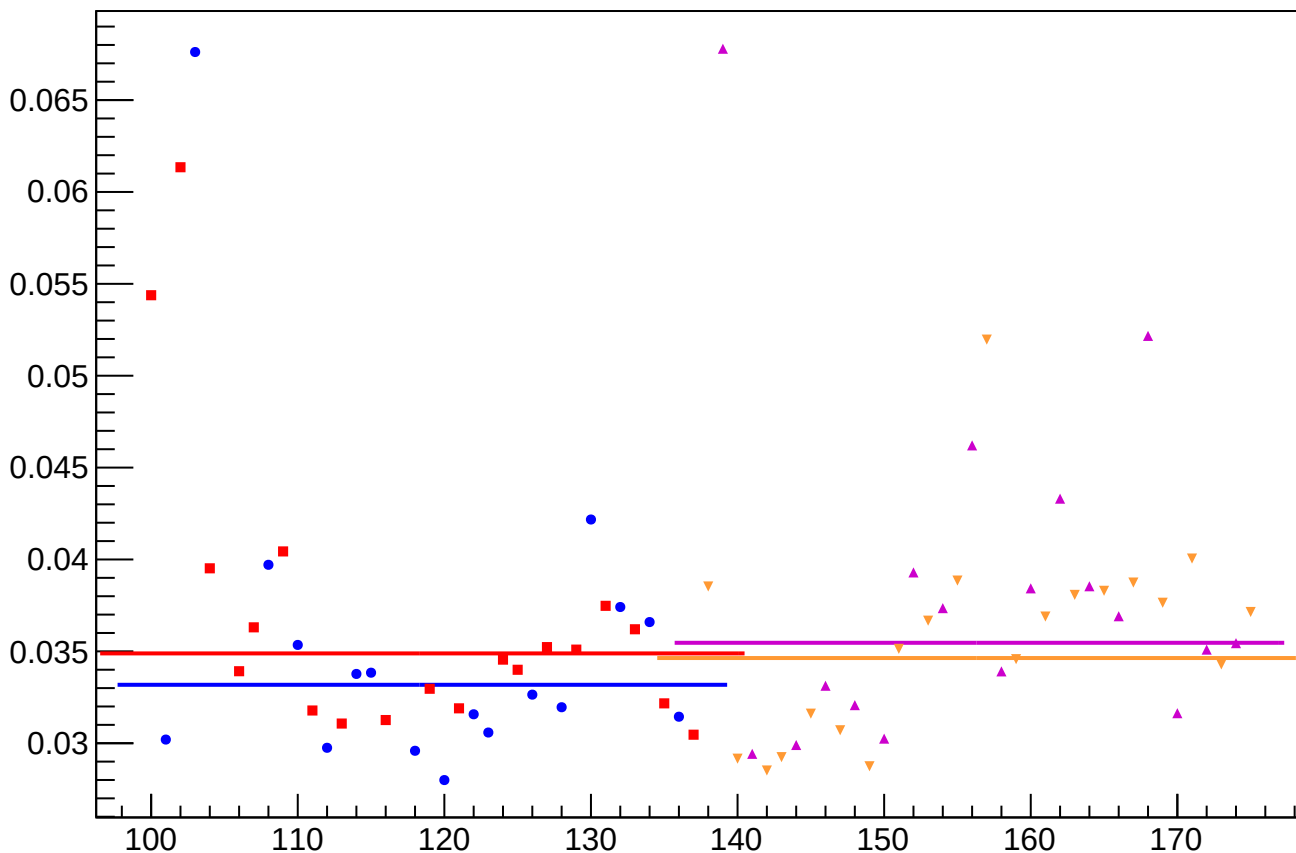
Right: -0.906+/-0.000 χ^2/NDF : 173170801.3/35

In: -1.228+/-0.000 χ^2/NDF : 1471921148.9/34

Out: -1.247+/-0.000 χ^2/NDF : 1634426662.7/38

All: -1.238+/-0.000 χ^2/NDF : 3109209005.6/77

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 :458958.0/19

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

Left In: 0.035+/-0.000 χ^2/NDF :836052.2/17

Left: 0.035+/-0.000 χ^2/NDF : 1302085.7/37

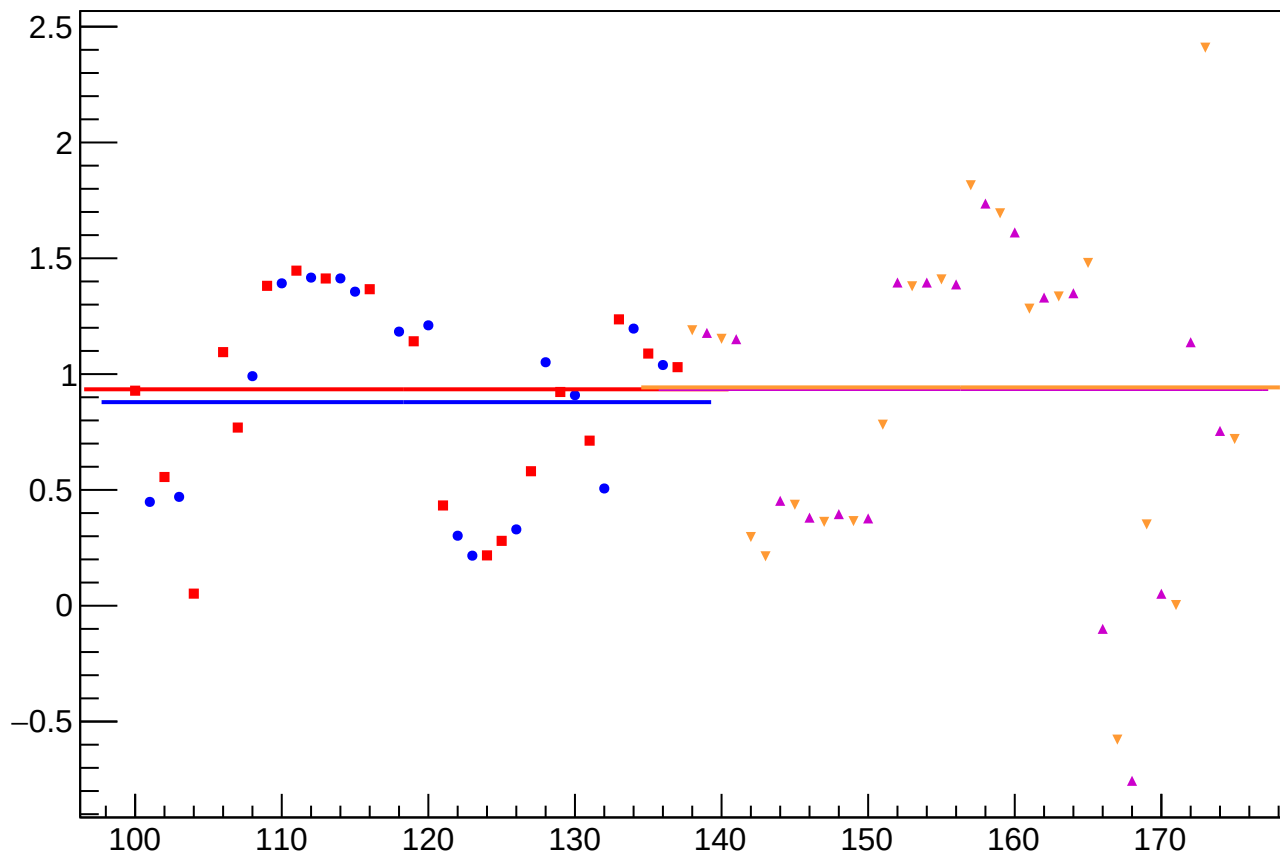
Right: 0.034+/-0.000 χ^2/NDF : 690186.6/35

In: 0.035+/-0.000 χ^2/NDF :1271982.4/34

Out: 0.035+/-0.000 χ^2/NDF :734409.0/38

All: 0.035+/-0.000 χ^2/NDF : 2006433.8/73

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 $\pm$ 0.000 χ^2 /NDF: 6371602566.2/16

Left Out: 0.943 $\pm$ 0.000 χ^2 /NDF: 82435720509.8/19

Right Out: 0.934 $\pm$ 0.000 χ^2 /NDF: 9827120184.9/18

Left In: 0.936 $\pm$ 0.000 χ^2 /NDF: 65835490637.6/17

Left: 0.939 $\pm$ 0.000 χ^2 /NDF: 148275280795.7/37

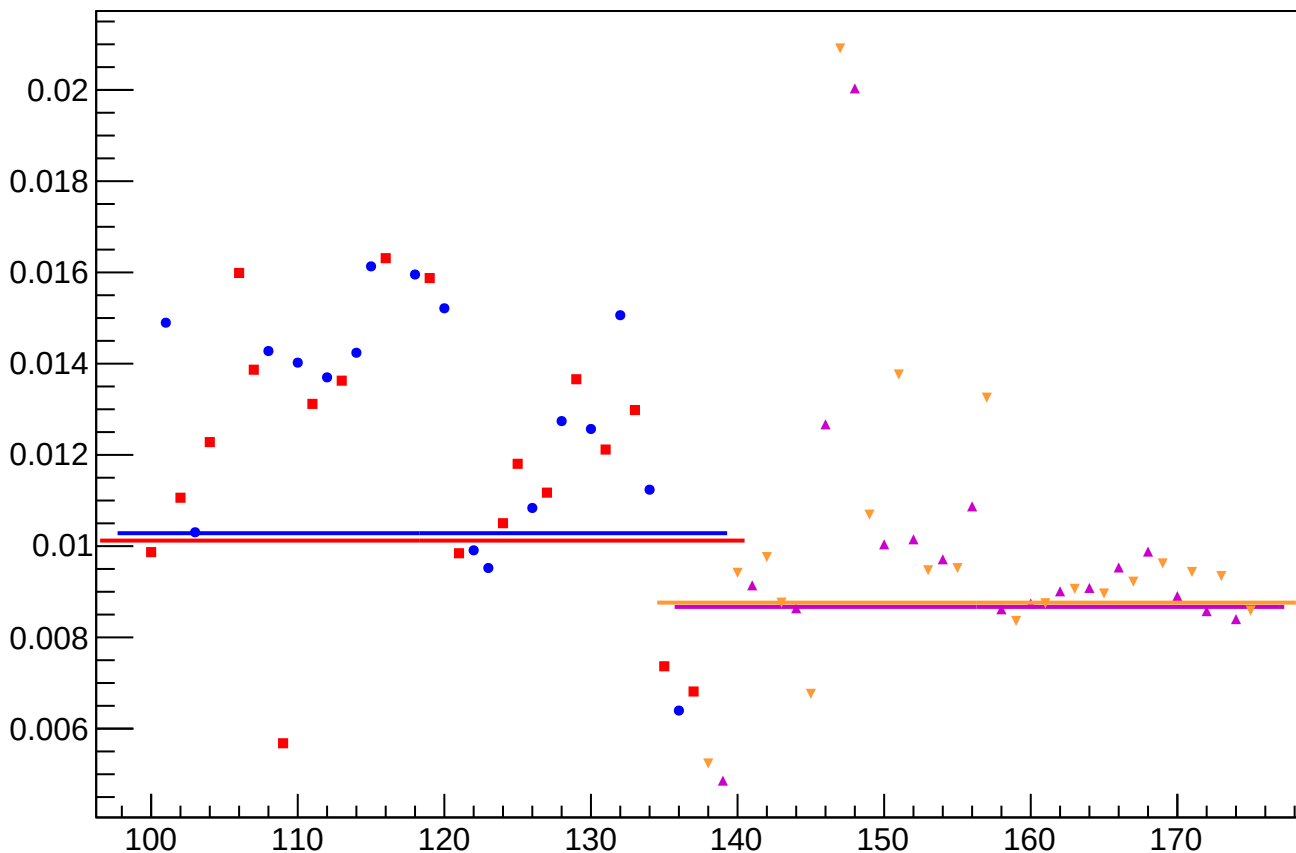
Right: 0.908 $\pm$ 0.000 χ^2 /NDF: 16282606826.3/35

In: 0.922 $\pm$ 0.000 χ^2 /NDF: 72335986648.0/34

Out: 0.941 $\pm$ 0.000 χ^2 /NDF: 92265756354.4/38

All: 0.932 $\pm$ 0.000 χ^2 /NDF: 164640167310.2

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1695178.1/19

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1655729.2/17

Left: 0.009 $\pm$ 0.000 χ^2 /NDF: 3352424.9/37

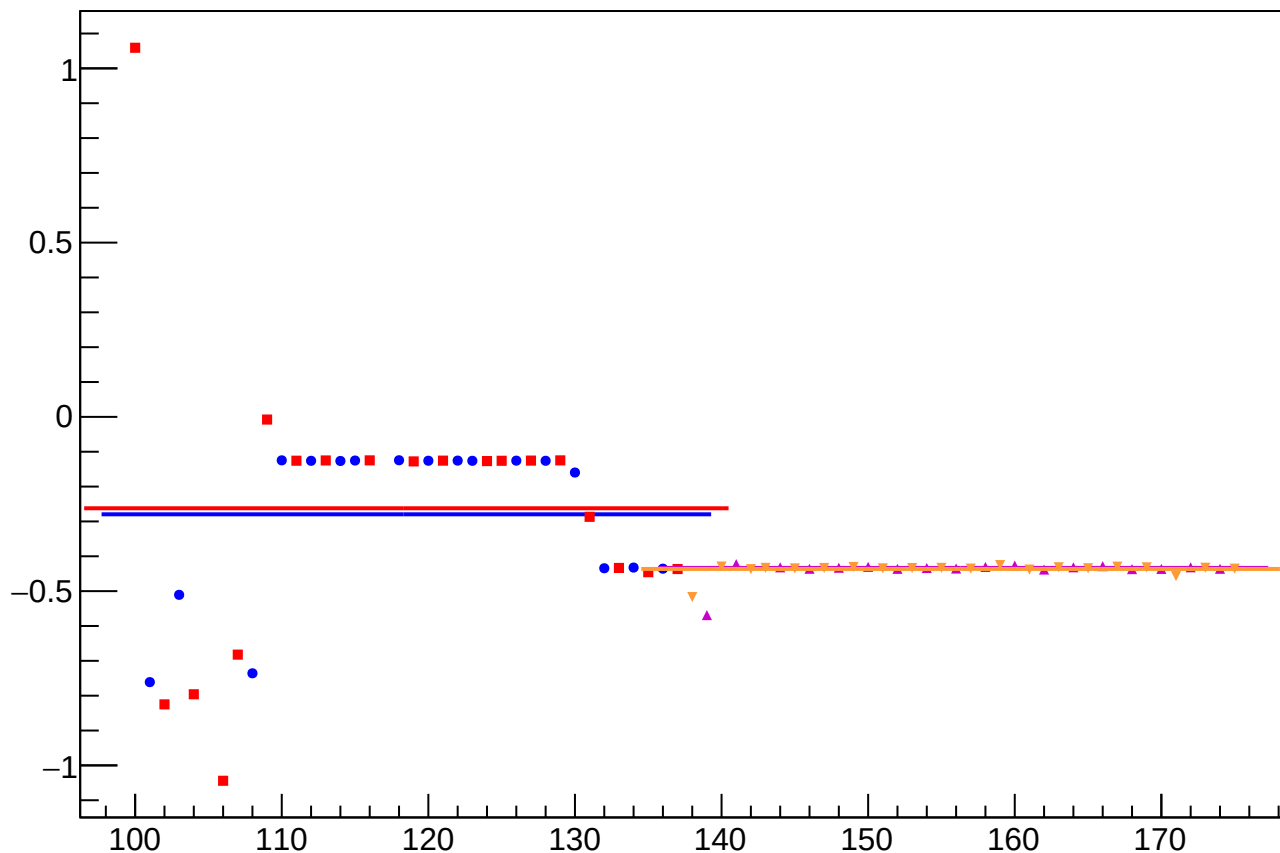
Right: 0.010 $\pm$ 0.000 χ^2 /NDF: 2385530.8/35

In: 0.009 $\pm$ 0.000 χ^2 /NDF:3072016.7/34

Out: 0.009 $\pm$ 0.000 χ^2 /NDF:3031085.0/38

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6103464.1/73

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280+/-0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.436+/-0.000 χ^2/NDF : 28742768.2/19

Right Out: -0.262+/-0.000 χ^2/NDF : 1006263824.6/18

Left In: -0.433+/-0.000 χ^2/NDF : 19862695.5/17

Left: -0.435+/-0.000 χ^2/NDF : 49134096.9/37

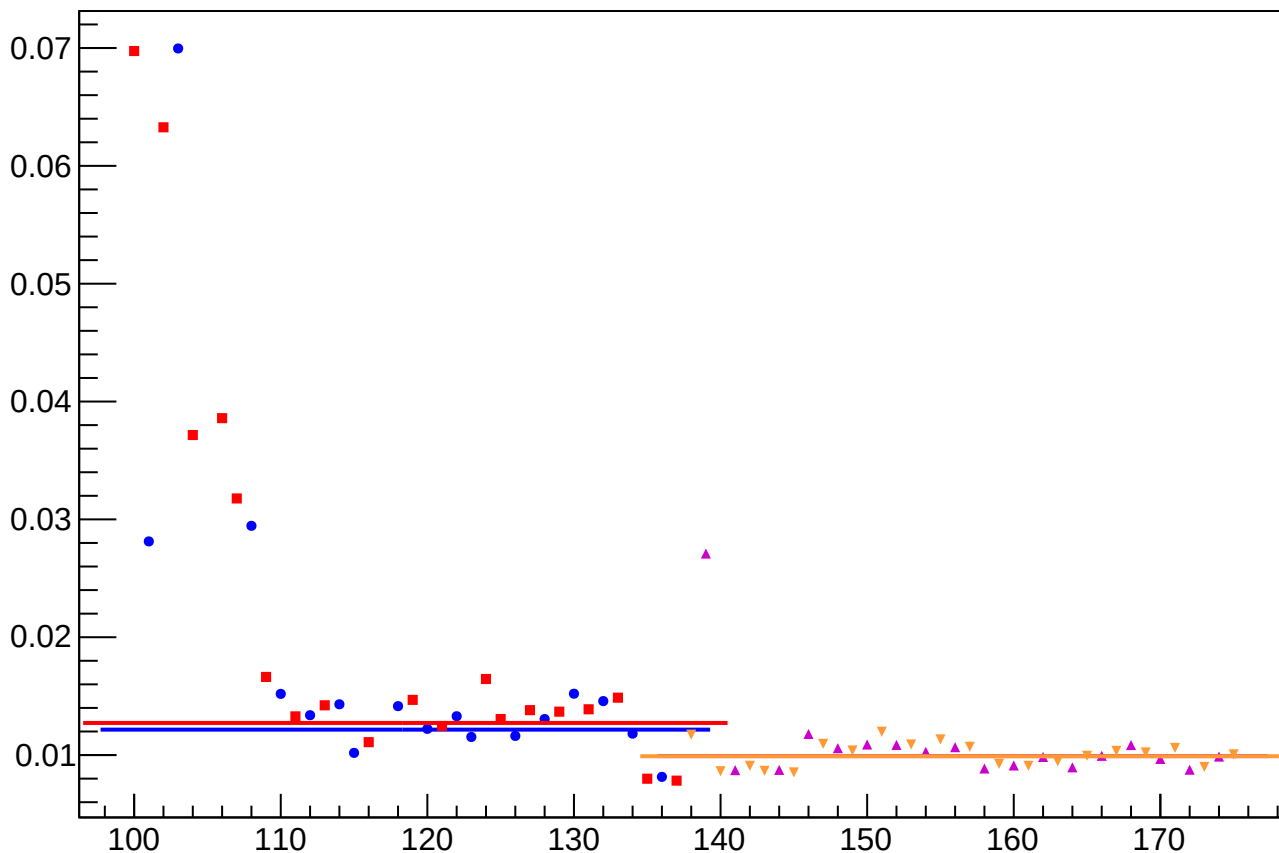
Right: -0.271+/-0.000 χ^2/NDF : 1940066892.0/35

In: -0.401+/-0.000 χ^2/NDF : 1538137735.4/34

Out: -0.404+/-0.000 χ^2/NDF : 1769506887.2/38

All: -0.402+/-0.000 χ^2/NDF : 3308100411.6/7

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:248962.7/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:763463.9/17

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 1012449.6/37

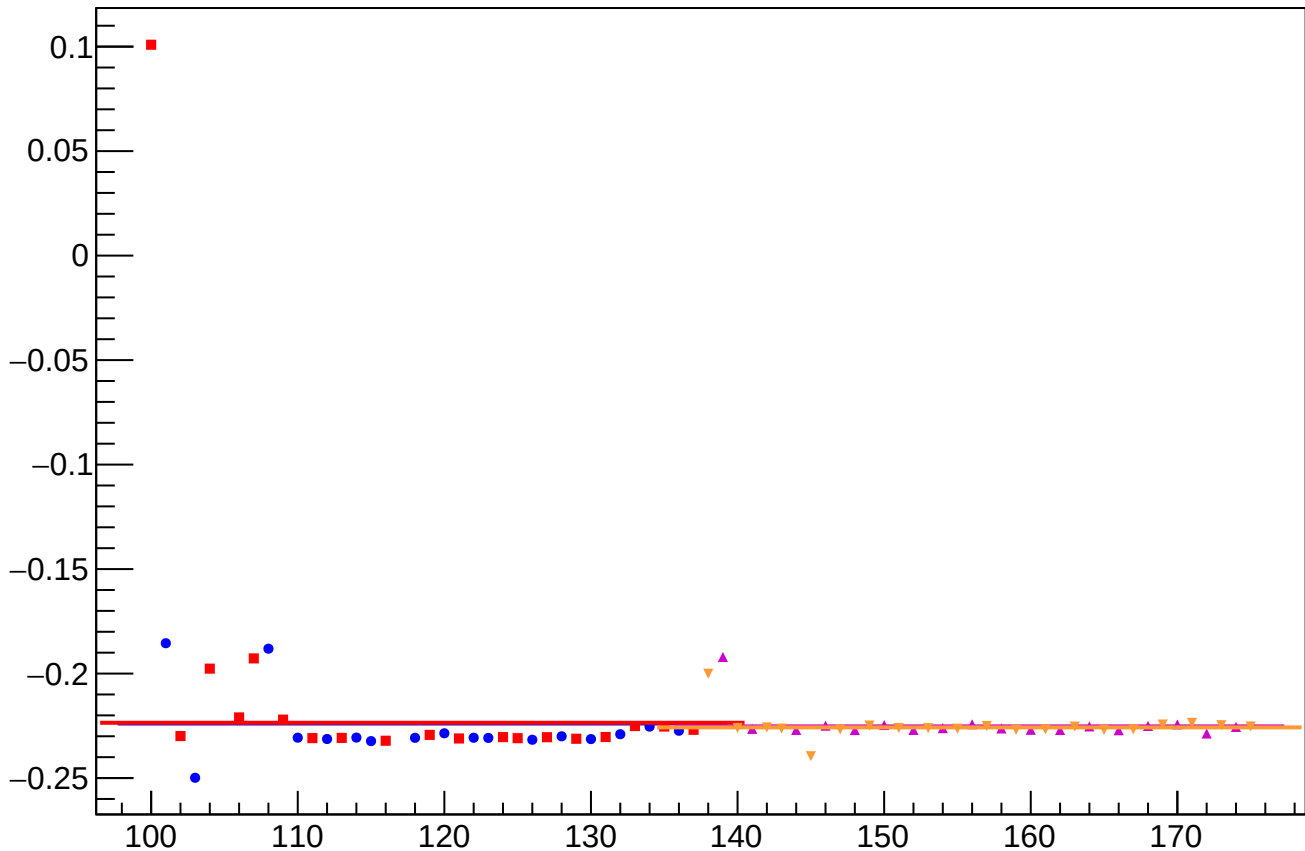
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3700041.2/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:2737010.3/34

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:2603369.0/38

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5340724.8/73

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 : 20871816.7/19

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

Left In: -0.225+/-0.000 χ^2/NDF : 13175148.5/17

Left: -0.226+/-0.000 χ^2/NDF : 34103908.4/37

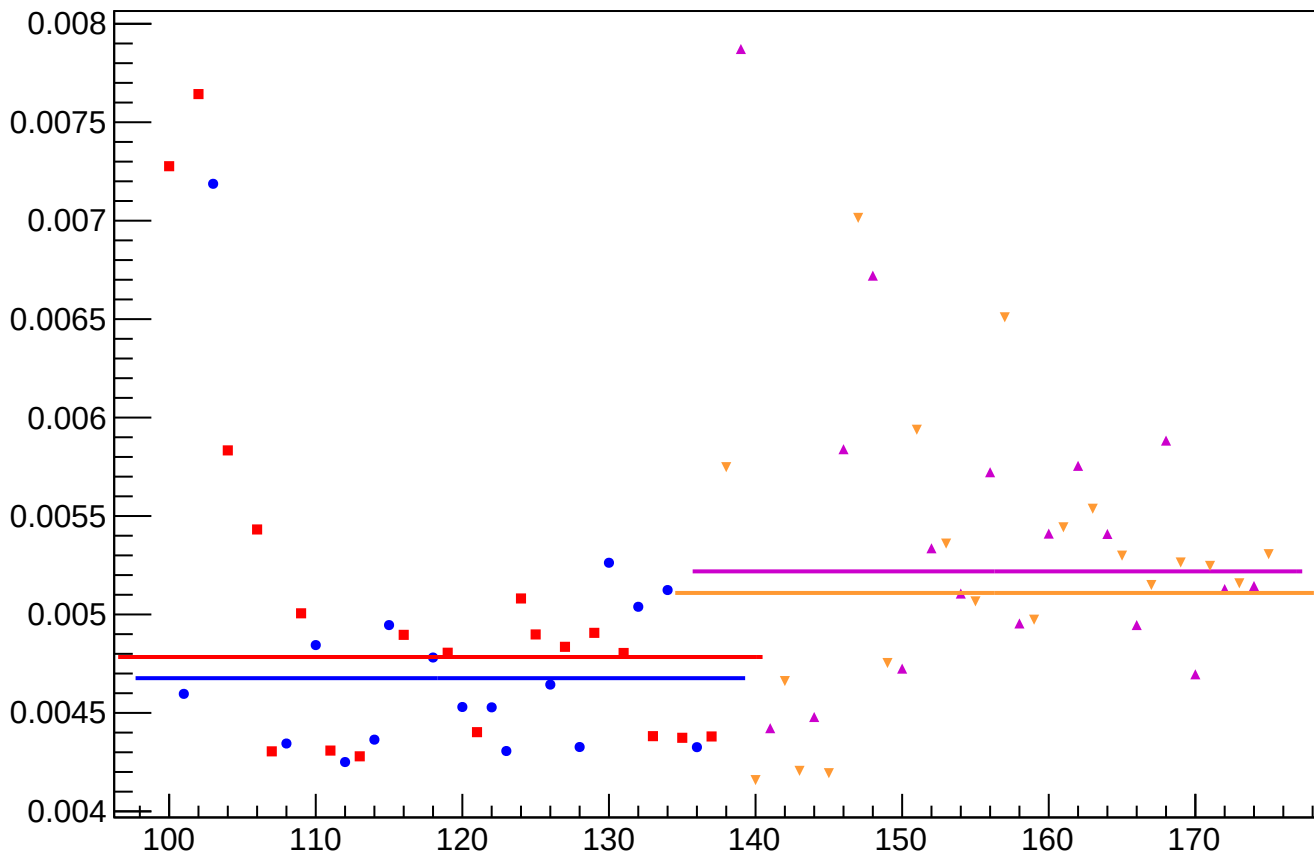
Right: -0.224+/-0.000 χ^2/NDF : 242740169.2/35

In: -0.225+/-0.000 χ^2/NDF : 88115018.1/34

Out: -0.225+/-0.000 χ^2/NDF : 189890721.9/38

All: -0.225+/-0.000 χ^2/NDF : 278025274.1/73

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 : 455065.3/19

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 436877.4/17

Left: 0.005+/-0.000 χ^2/NDF : 898037.0/37

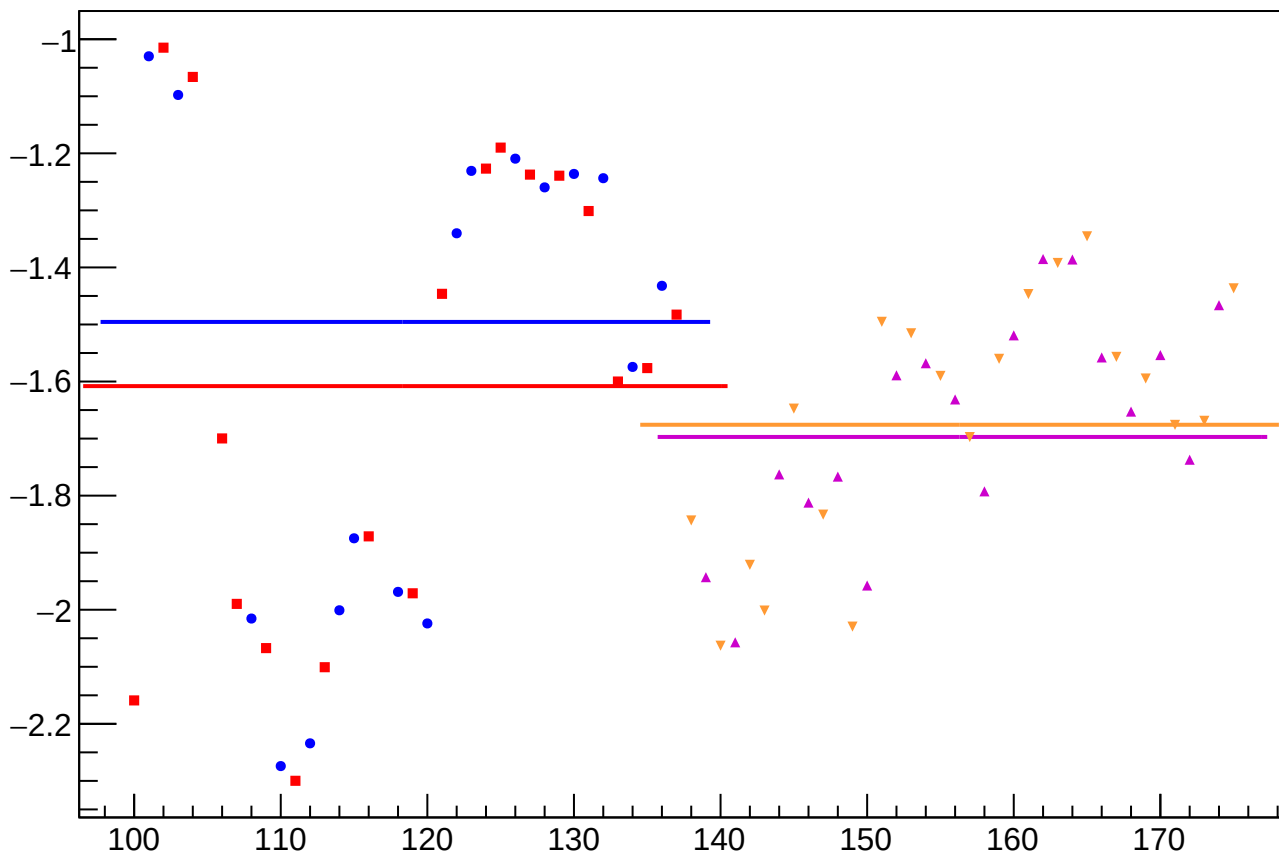
Right: 0.005+/-0.000 χ^2/NDF : 432242.2/35

In: 0.005+/-0.000 χ^2/NDF : 720377.0/34

Out: 0.005+/-0.000 χ^2/NDF : 742202.1/38

All: 0.005+/-0.000 χ^2/NDF : 1463052.0/73

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.676+/-0.000 χ^2/NDF : 16947555095.0/19

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.697+/-0.000 χ^2/NDF : 12526150713.0/17

Left: -1.686+/-0.000 χ^2/NDF : 29554686329.3/37

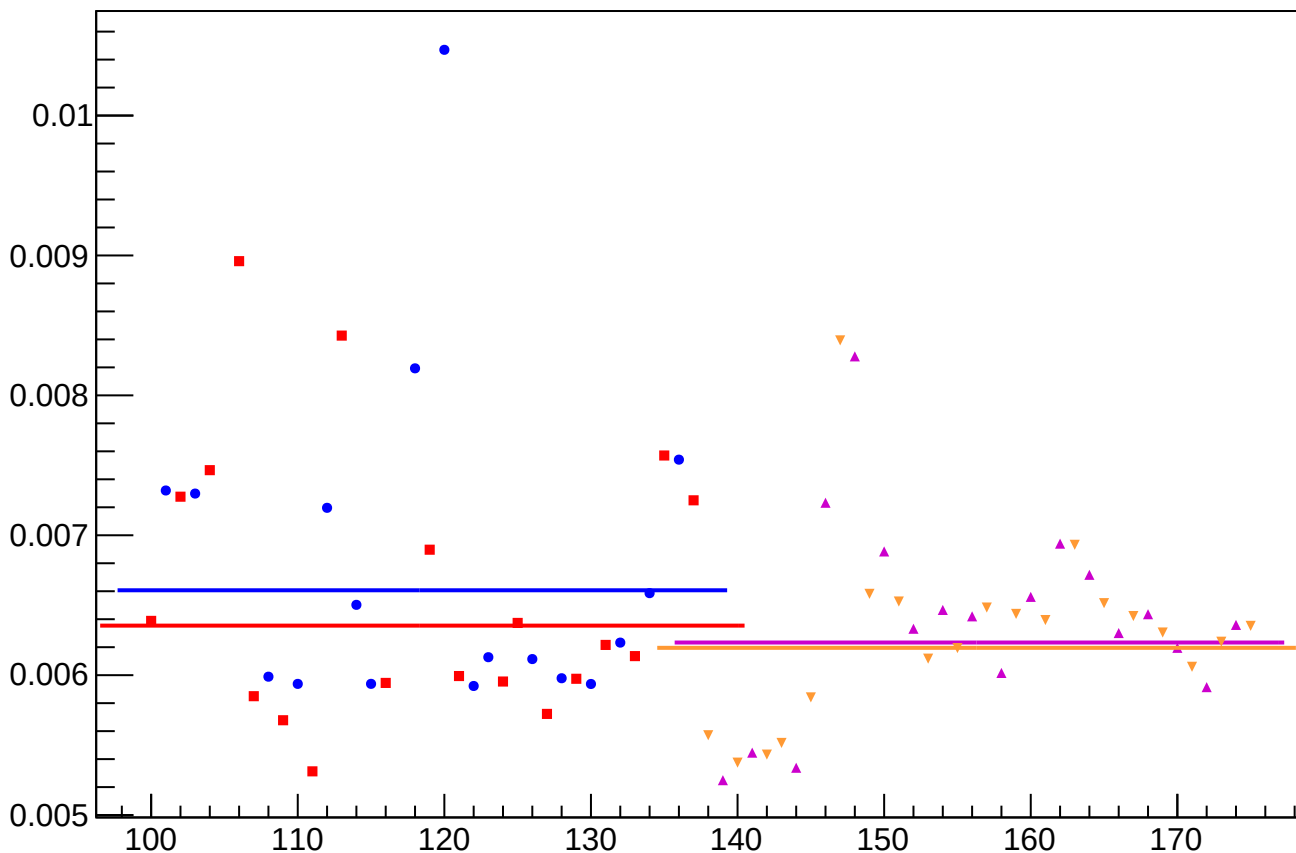
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.639+/-0.000 χ^2/NDF : 39039360703.4/34

Out: -1.655+/-0.000 χ^2/NDF : 45320611318.2/38

All: -1.647+/-0.000 χ^2/NDF : 84428275261.8/78

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 230773.6/19

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227287.9/18

Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 295983.2/17

Left: 0.006 $\pm$ 0.000 χ^2/NDF : 527268.0/37

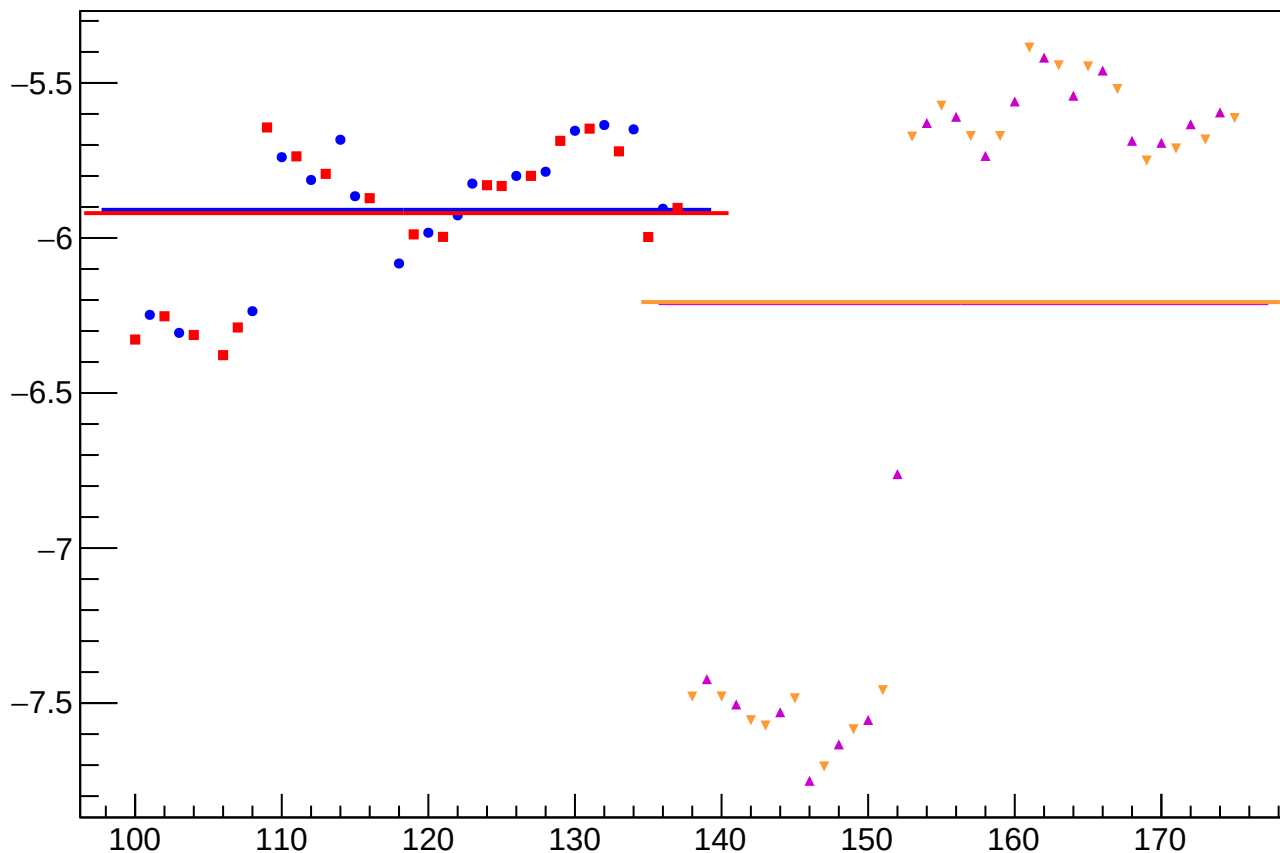
Right: 0.006 $\pm$ 0.000 χ^2/NDF : 438183.3/35

In: 0.006 $\pm$ 0.000 χ^2/NDF : 524800.8/34

Out: 0.006 $\pm$ 0.000 χ^2/NDF : 463776.7/38

All: 0.006 $\pm$ 0.000 χ^2/NDF : 993409.9/73

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909 ± 0.000 $\chi^2/\text{NDF}: 11125163629.1/16$

Left Out: -6.207 ± 0.000 $\chi^2/\text{NDF}: 177091620672.7/19$

Right Out: -5.920 ± 0.000 $\chi^2/\text{NDF}: 12785272526.6/18$

Left In: -6.210 ± 0.000 $\chi^2/\text{NDF}: 151734439449.1/17$

Left: -6.208 ± 0.000 $\chi^2/\text{NDF}: 328827273173.8/37$

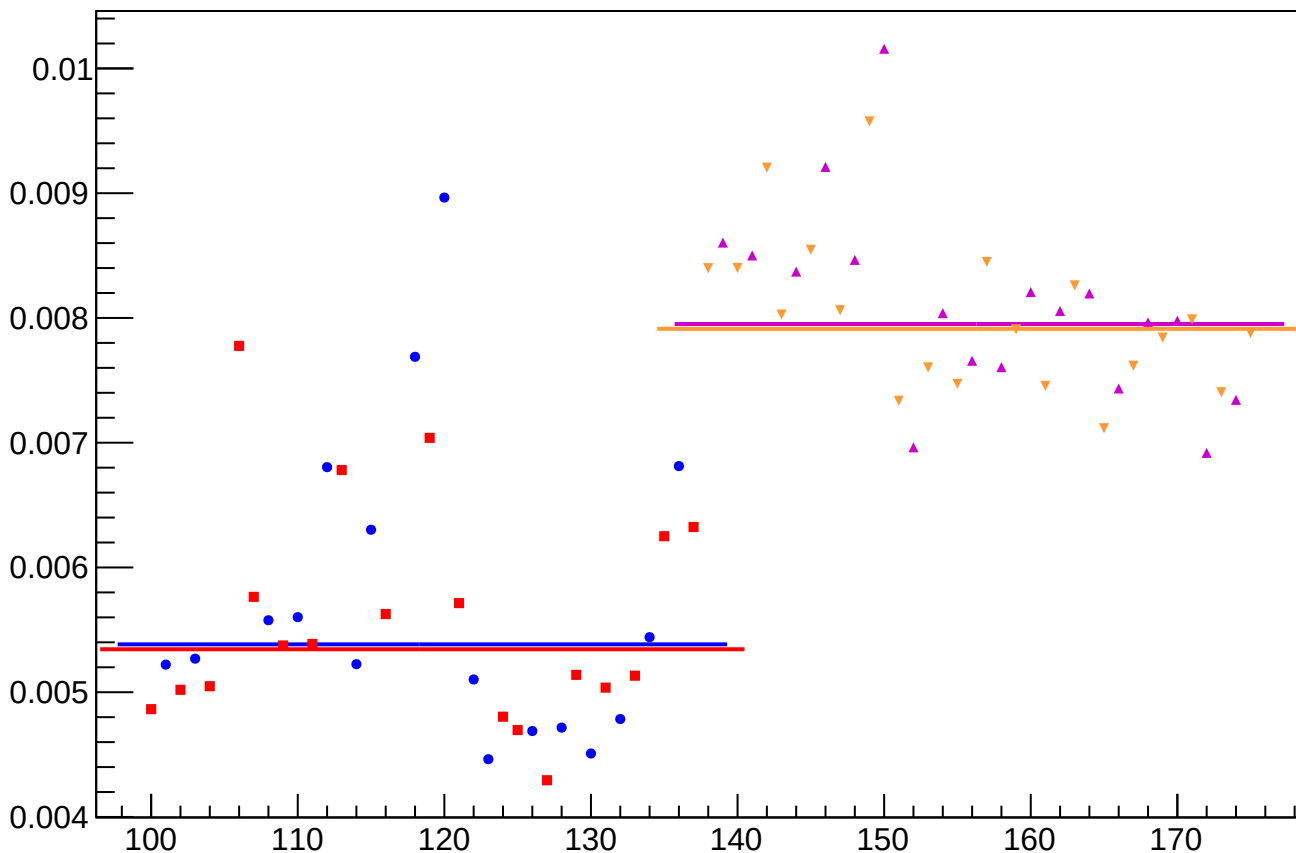
Right: -5.915 ± 0.000 $\chi^2/\text{NDF}: 23922455242.5/35$

In: -6.059 ± 0.000 $\chi^2/\text{NDF}: 171976619953.9/34$

Out: -6.061 ± 0.000 $\chi^2/\text{NDF}: 198877283807.9/38$

All: -6.060 ± 0.000 $\chi^2/\text{NDF}: 370854422589.4$

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 :123627.1/19

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :200339.3/17

Left: 0.008+/-0.000 χ^2/NDF : 324271.7/37

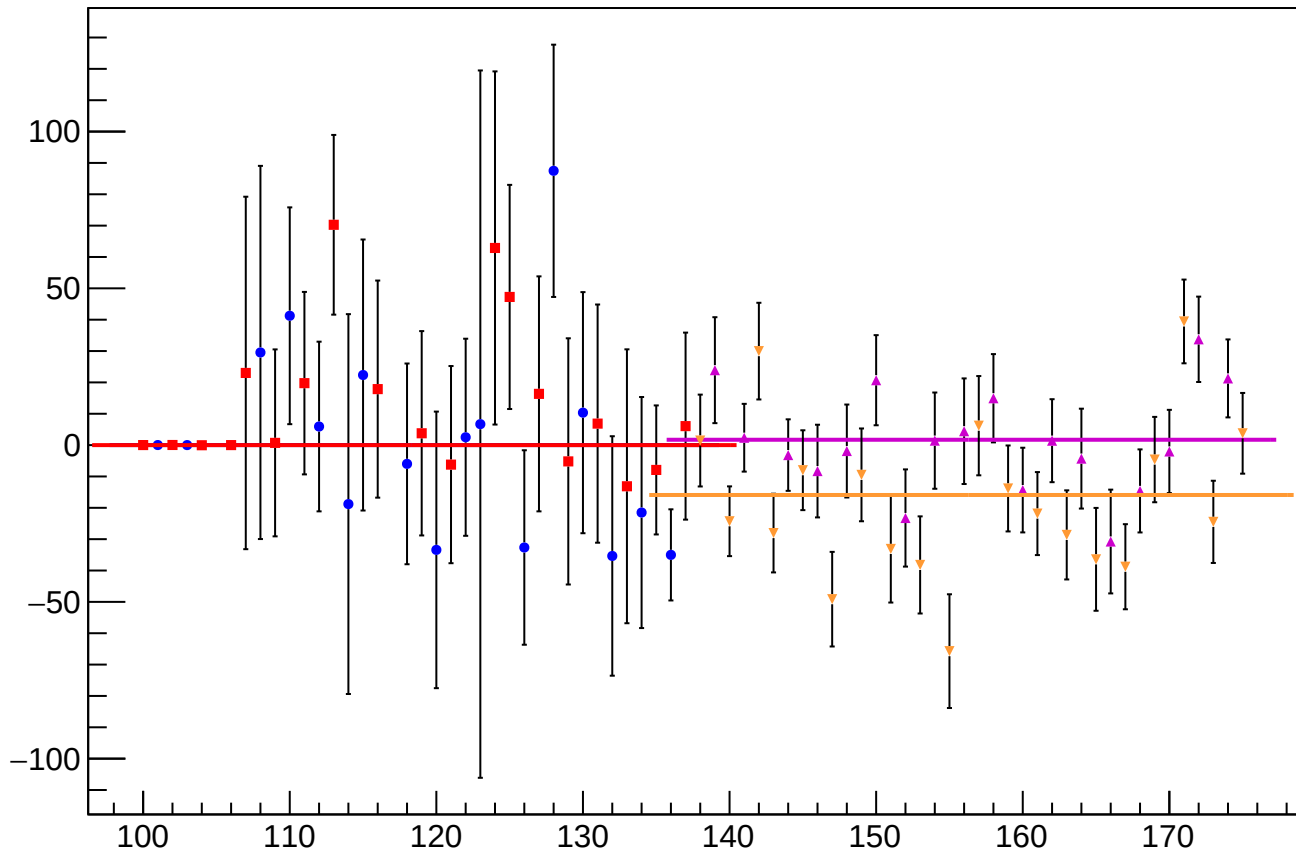
Right: 0.005+/-0.000 χ^2/NDF : 592657.5/35

In: 0.007+/-0.000 χ^2/NDF :1876318.5/34

Out: 0.007+/-0.000 χ^2/NDF :1812695.5/38

All: 0.007+/-0.000 χ^2/NDF : 3690397.3/73

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 15.8/16$

Left Out: -15.907 ± 3.146 $\chi^2/\text{NDF}: 55.8/19$

Right Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 15.3/18$

Left In: 1.708 ± 3.284 $\chi^2/\text{NDF}: 22.7/17$

Left: -7.476 ± 2.272 $\chi^2/\text{NDF}: 93.5/37$

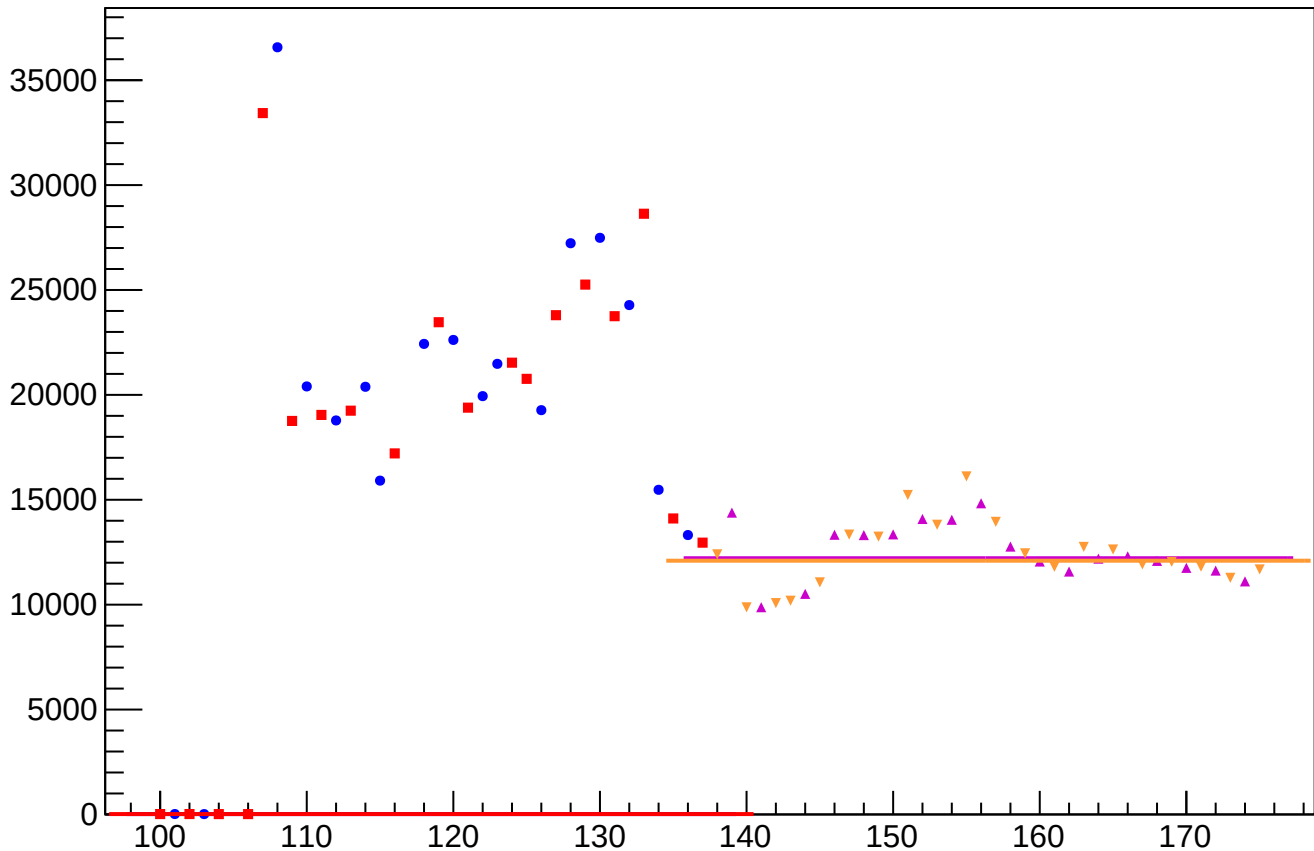
Right: 0.004 ± 0.012 $\chi^2/\text{NDF}: 31.6/35$

In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 38.7/34$

Out: -0.004 ± 0.016 $\chi^2/\text{NDF}: 96.7/38$

All: 0.004 ± 0.012 $\chi^2/\text{NDF}: 135.9/73$

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12095.490+/-2.225 χ^2/NDF : 437044.5/19

Right Out: 18.311+/-0.011 χ^2/NDF : 11103320.8/18

Left In: 12213.256+/-2.322 χ^2/NDF : 342017.3/17

Left: 12151.851+/-1.606 χ^2/NDF : 780403.0/37

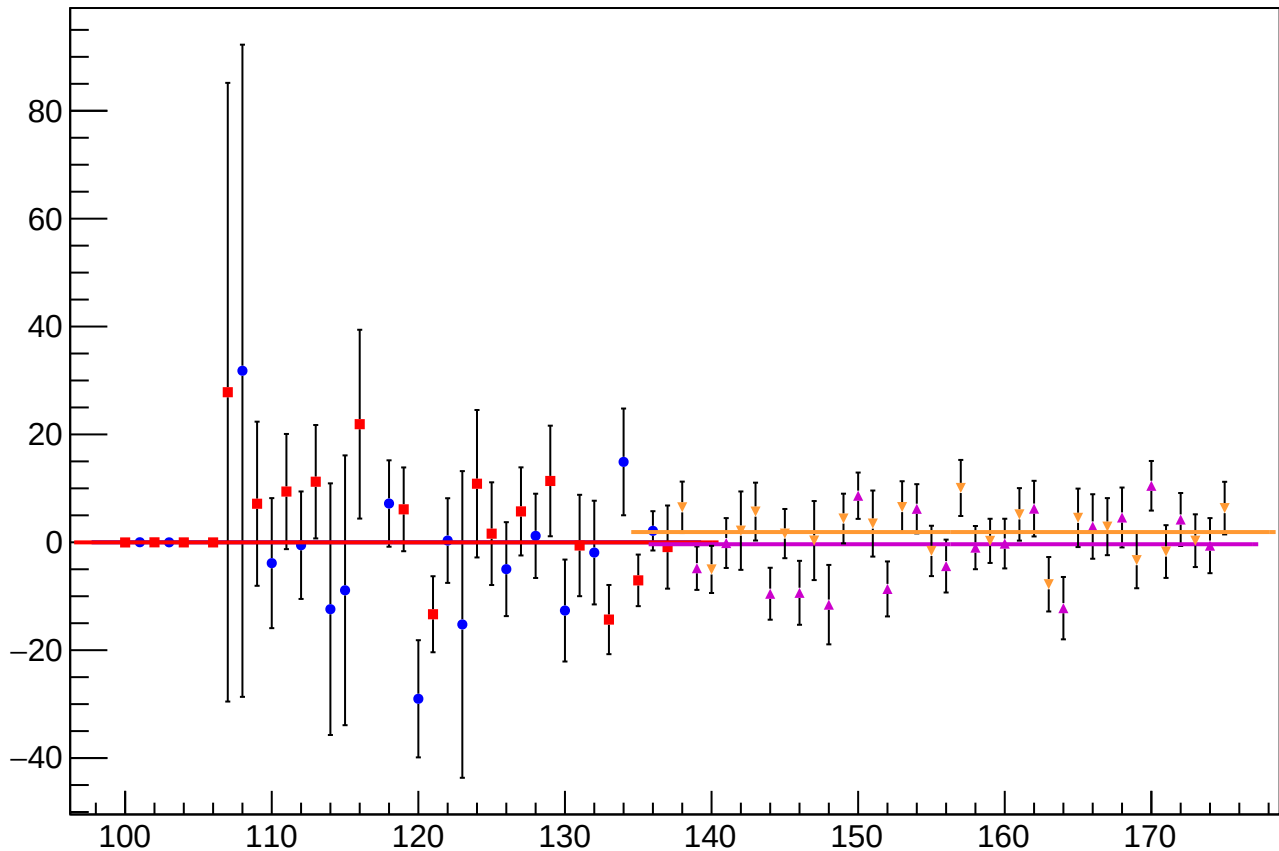
Right: 18.464+/-0.008 χ^2/NDF : 21945270.7/35

In: 18.981+/-0.012 χ^2/NDF : 38762624.6/34

Out: 18.626+/-0.011 χ^2/NDF : 41011352.6/38

All: 18.790+/-0.008 χ^2/NDF : 79774425.9/73

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 χ^2/NDF : 14.9/16

Left Out: 1.900 ± 1.125 χ^2/NDF : 15.4/19

Right Out: -0.014 ± 0.009 χ^2/NDF : 18.4/18

Left In: -0.358 ± 1.158 χ^2/NDF : 32.7/17

Left: 0.804 ± 0.807 χ^2/NDF : 50.0/37

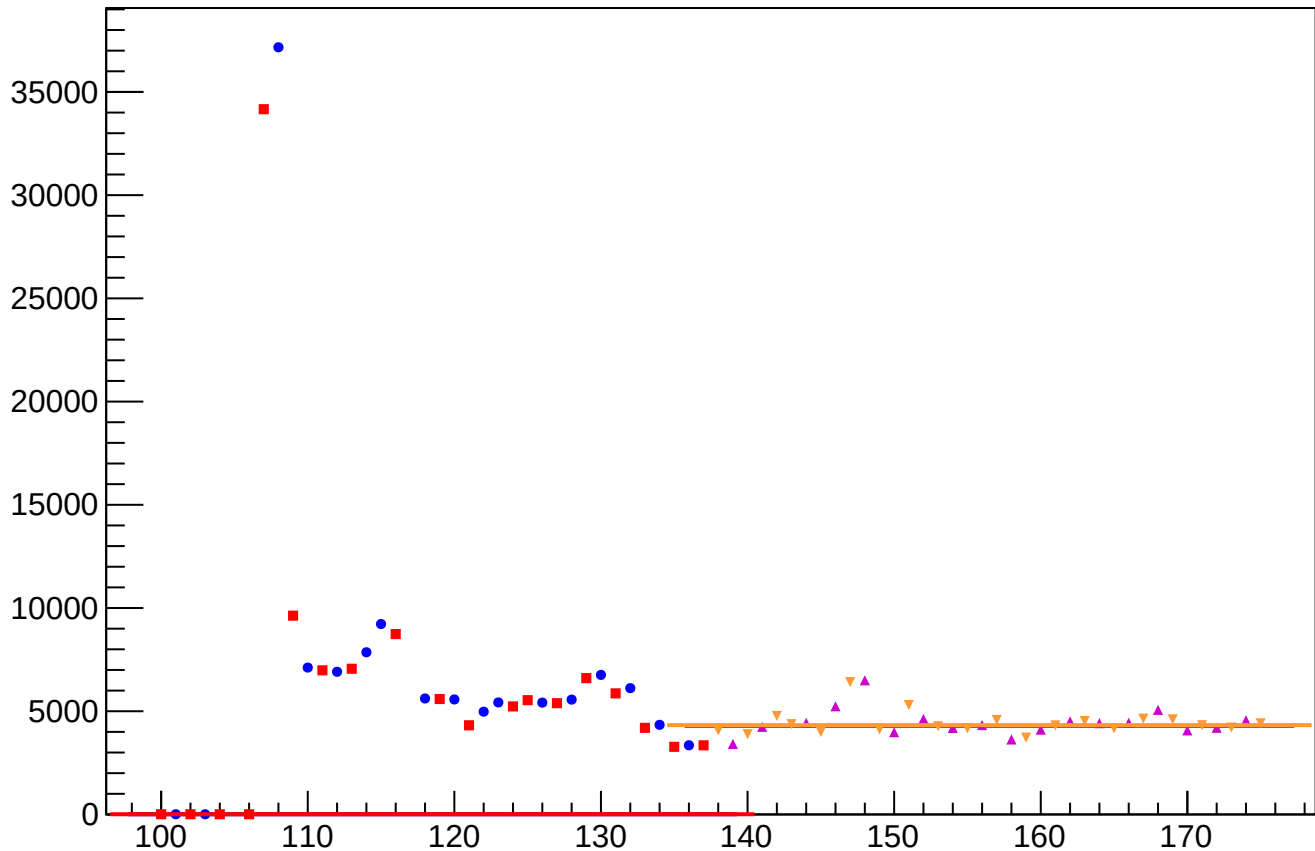
Right: -0.007 ± 0.006 χ^2/NDF : 34.7/35

In: 0.001 ± 0.009 χ^2/NDF : 47.6/34

Out: -0.014 ± 0.009 χ^2/NDF : 36.7/38

All: -0.007 ± 0.006 χ^2/NDF : 85.7/73

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10973577.1/16

Left Out: 4327.319 $\pm$ 0.795 χ^2 /NDF:331150.9/19

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11152667.7/18

Left In: 4290.331 $\pm$ 0.819 χ^2 /NDF:460748.3/17

Left: 4309.367 $\pm$ 0.571 χ^2 /NDF: 792949.0/37

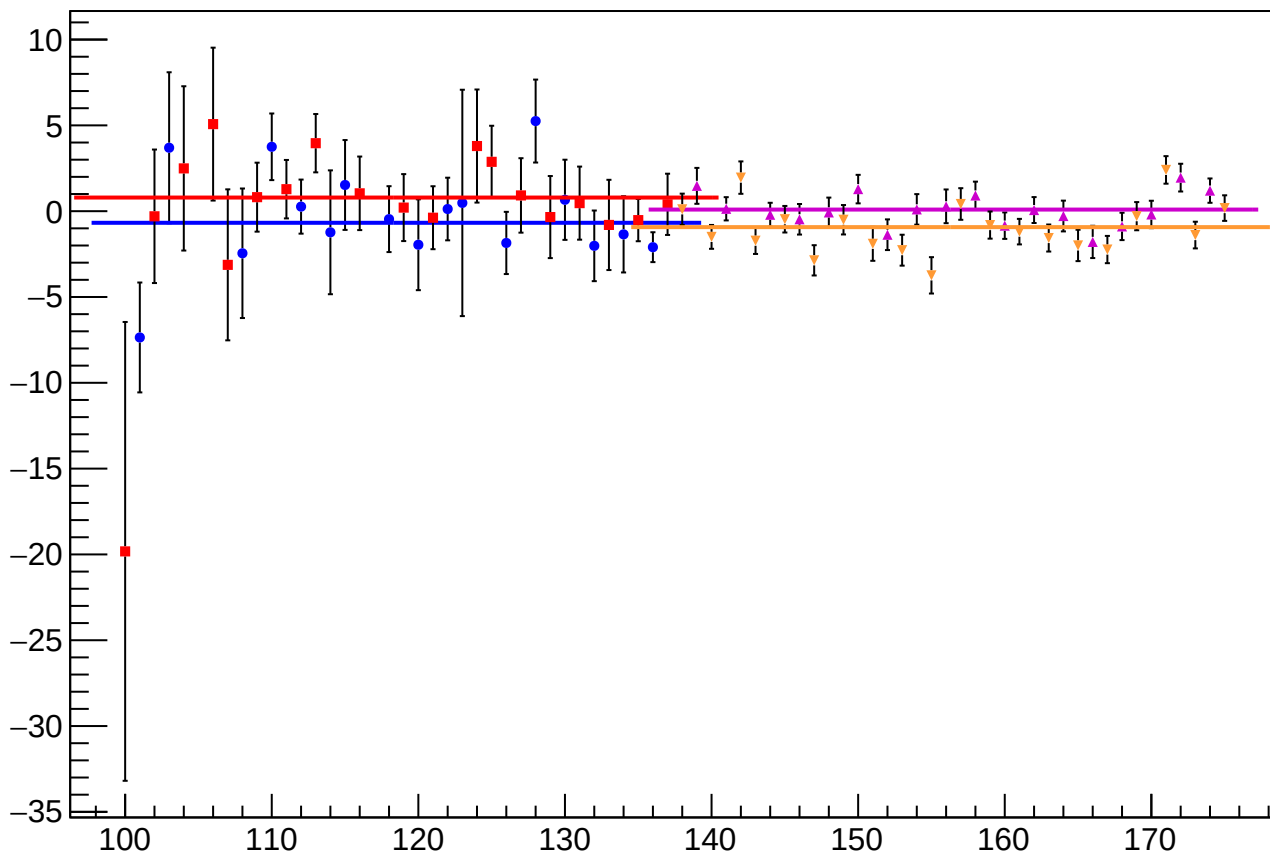
Right: 9.894 $\pm$ 0.004 χ^2 /NDF: 22126332.7/35

In: 10.208 $\pm$ 0.007 χ^2 /NDF:38749795.3/34

Out: 10.110 $\pm$ 0.006 χ^2 /NDF:40953023.3/38

All: 10.156 $\pm$ 0.004 χ^2 /NDF: 79702940.3/73

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.929 ± 0.186 χ^2/NDF : 55.4/19

Right Out: 0.795 ± 0.501 χ^2/NDF : 12.0/18

Left In: 0.094 ± 0.193 χ^2/NDF : 23.2/17

Left: -0.438 ± 0.134 χ^2/NDF : 93.2/37

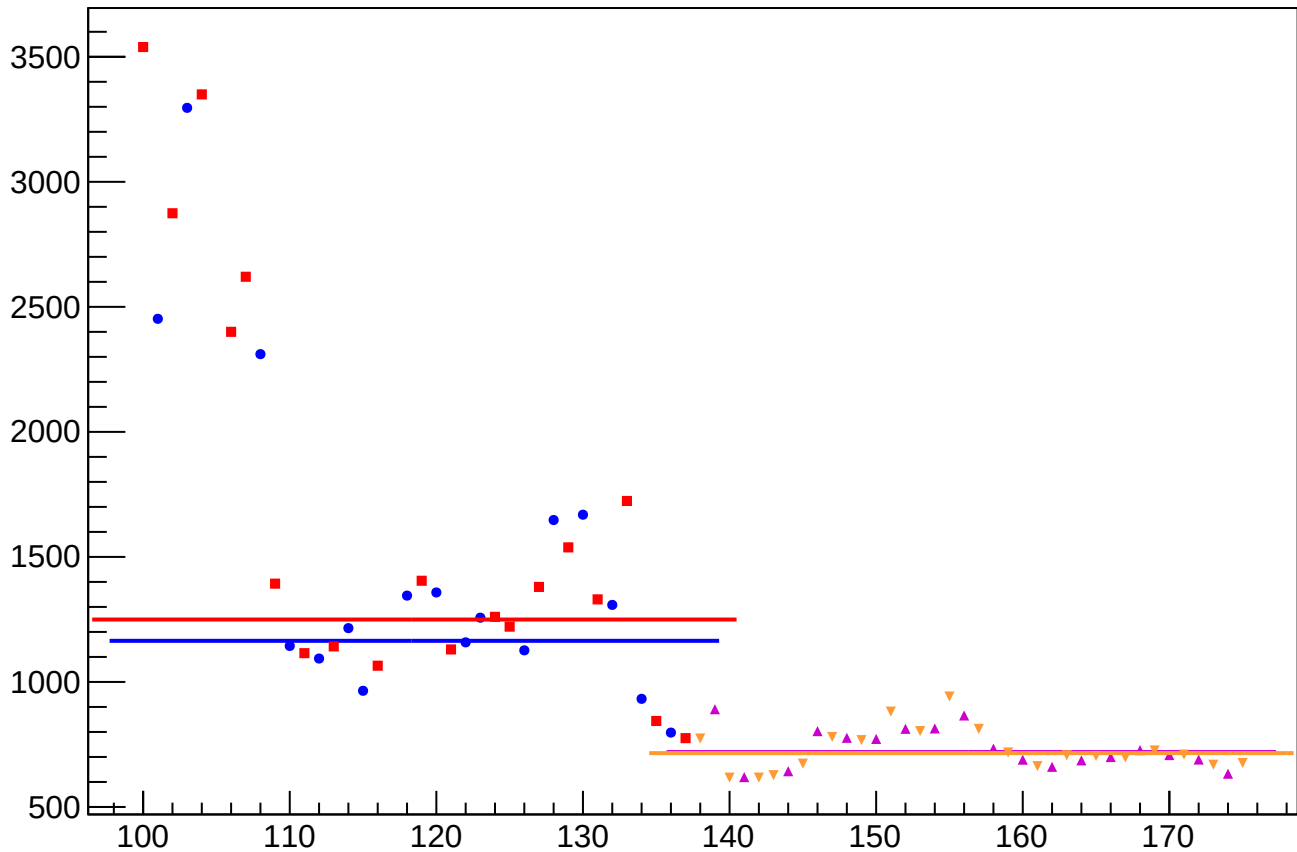
Right: 0.033 ± 0.348 χ^2/NDF : 38.7/35

In: -0.012 ± 0.180 χ^2/NDF : 47.7/34

Out: -0.721 ± 0.174 χ^2/NDF : 77.8/38

All: -0.378 ± 0.125 χ^2/NDF : 133.6/73

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 ± 0.342 $\chi^2/\text{NDF}: 1584212.9/16$

Left Out: 715.353 ± 0.131 $\chi^2/\text{NDF}: 332943.4/19$

Right Out: 1249.596 ± 0.354 $\chi^2/\text{NDF}: 1650133.1/18$

Left In: 719.749 ± 0.137 $\chi^2/\text{NDF}: 297204.5/17$

Left: 717.463 ± 0.095 $\chi^2/\text{NDF}: 630685.9/37$

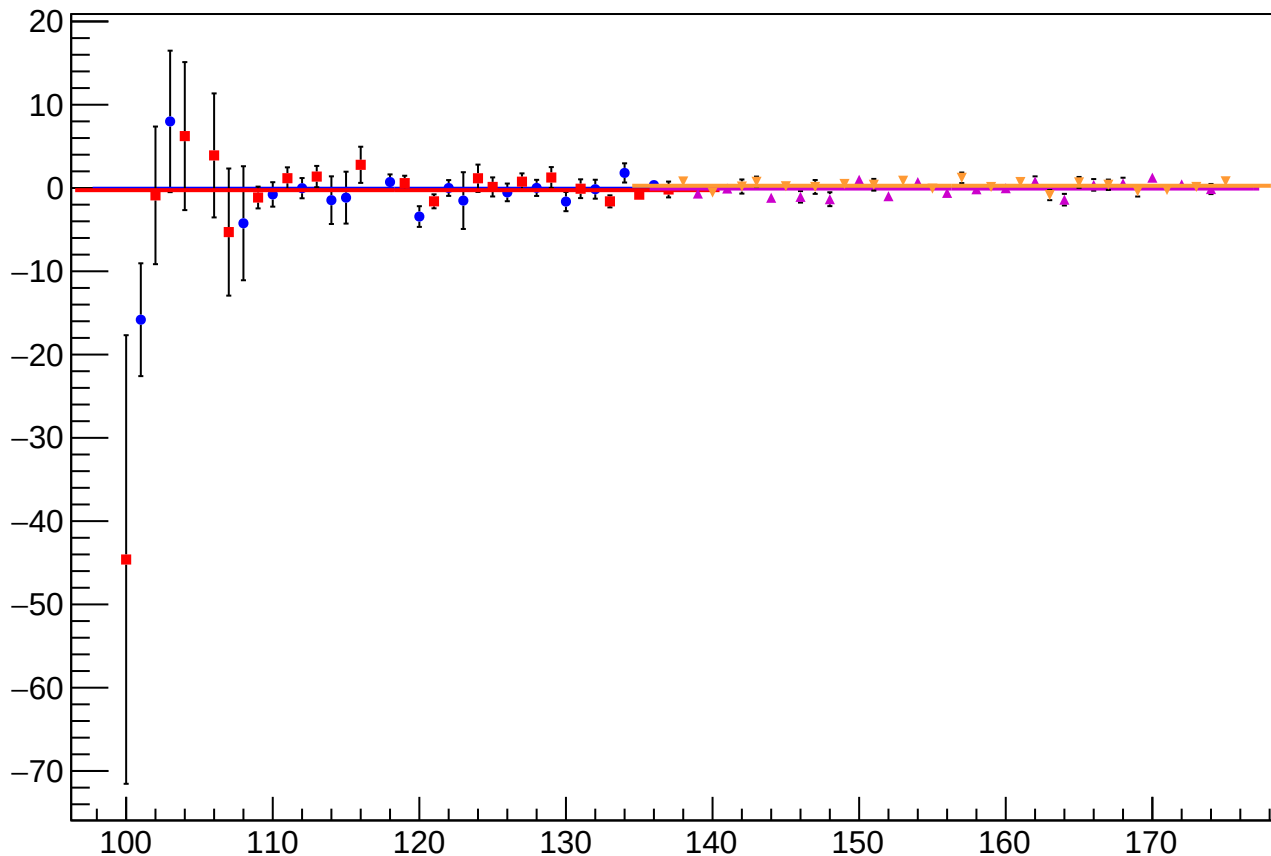
Right: 1205.546 ± 0.246 $\chi^2/\text{NDF}: 3264193.7/35$

In: 780.906 ± 0.127 $\chi^2/\text{NDF}: 3336859.6/34$

Out: 779.806 ± 0.123 $\chi^2/\text{NDF}: 3980598.3/38$

All: 780.339 ± 0.088 $\chi^2/\text{NDF}: 7317496.5/73$

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.271 ± 0.135 χ^2/NDF : 15.0/19

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

Left In: -0.067 ± 0.139 χ^2/NDF : 32.2/17

Left: 0.107 ± 0.097 χ^2/NDF : 50.2/37

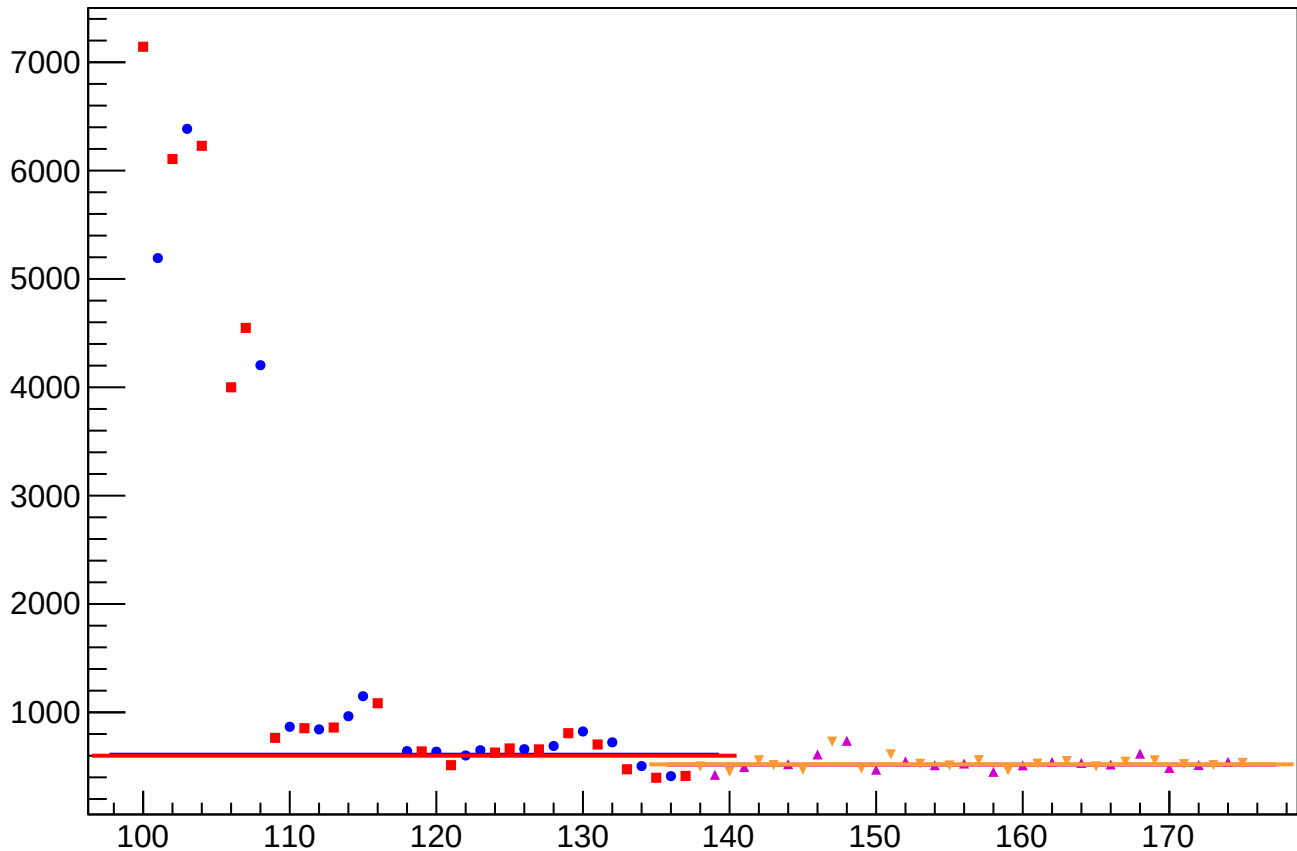
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.071 ± 0.124 χ^2/NDF : 53.2/34

Out: 0.161 ± 0.120 χ^2/NDF : 38.6/38

All: 0.049 ± 0.086 χ^2/NDF : 93.7/73

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 519.700+/-0.095 χ^2/NDF : 283596.7/19

Right Out: 599.910+/-0.187 χ^2/NDF : 3547599.8/18

Left In: 517.201+/-0.099 χ^2/NDF : 366312.6/17

Left: 518.491+/-0.069 χ^2/NDF : 650241.1/37

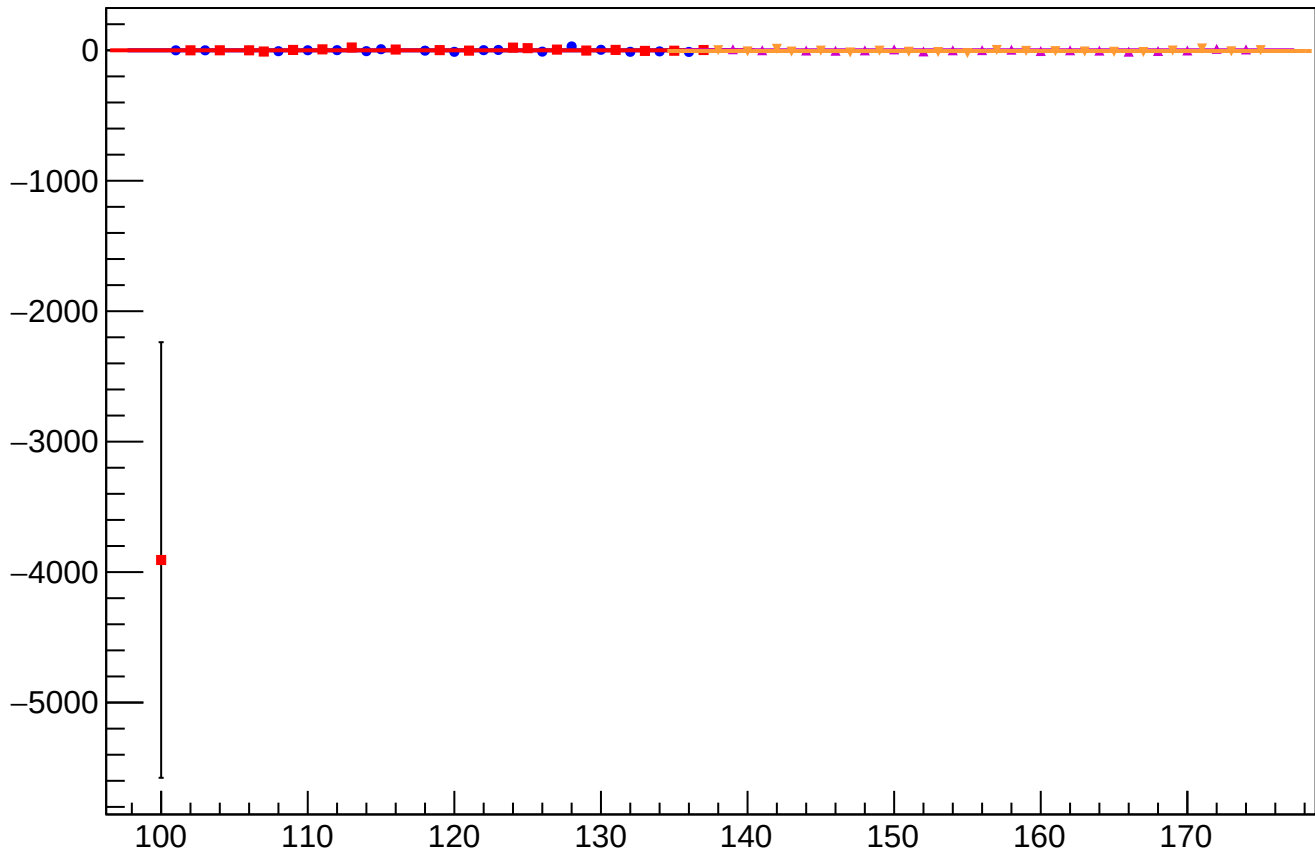
Right: 604.364+/-0.134 χ^2/NDF : 6687992.0/35

In: 536.494+/-0.088 χ^2/NDF : 3688013.7/34

Out: 536.278+/-0.085 χ^2/NDF : 3977286.7/38

All: 536.383+/-0.061 χ^2/NDF : 7665303.5/73

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -5.341 ± 1.080 χ^2/NDF : 55.4/19

Right Out: 0.027 ± 0.020 χ^2/NDF : 17.3/18

Left In: 0.587 ± 1.126 χ^2/NDF : 23.3/17

Left: -2.501 ± 0.779 χ^2/NDF : 93.1/37

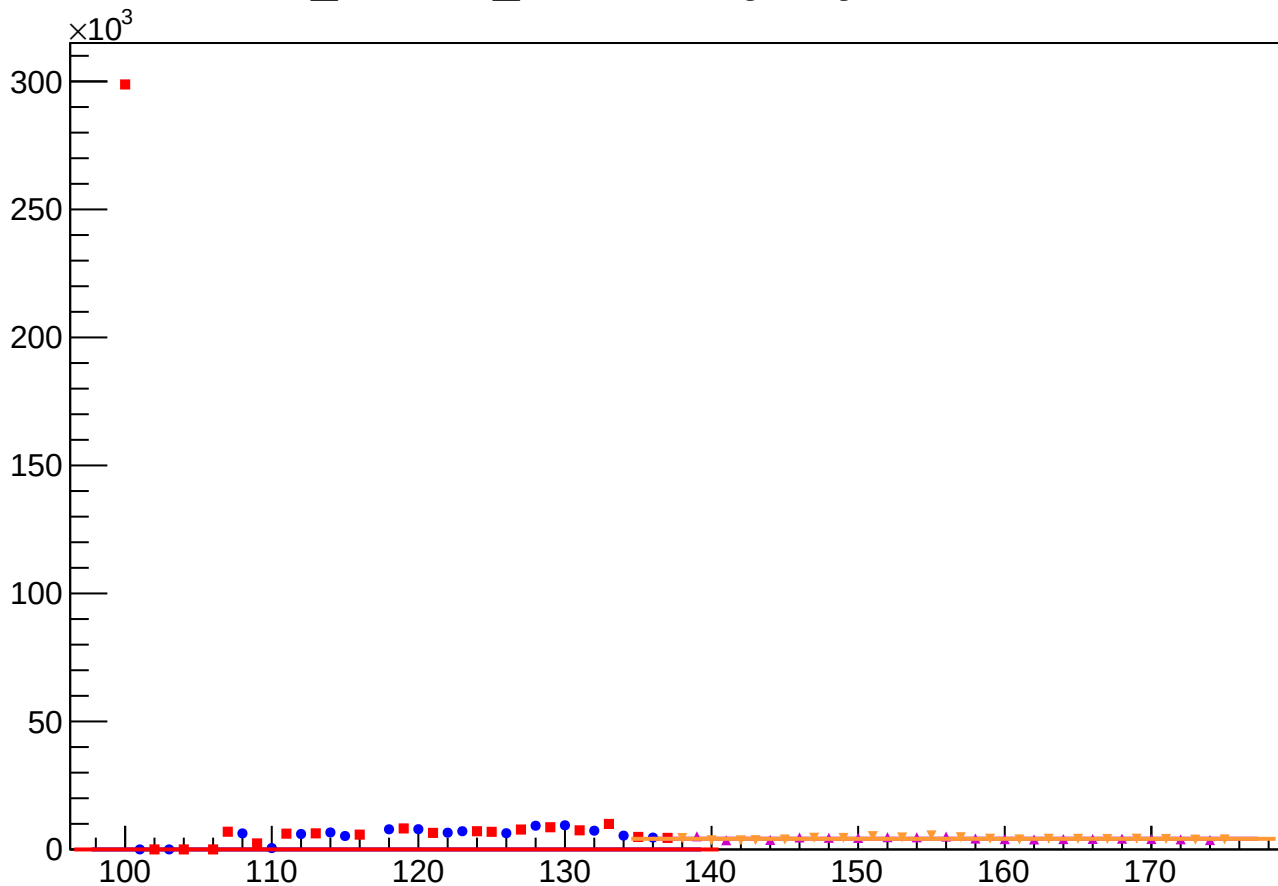
Right: 0.004 ± 0.014 χ^2/NDF : 35.4/35

In: -0.021 ± 0.021 χ^2/NDF : 38.8/34

Out: 0.025 ± 0.020 χ^2/NDF : 97.3/38

All: 0.003 ± 0.014 χ^2/NDF : 138.8/73

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4157.671 $\pm$ 0.763 χ^2 /NDF: 356711.7/19

Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 10813350.8/18

Left In: 4189.736 $\pm$ 0.796 χ^2 /NDF: 309074.9/17

Left: 4173.036 $\pm$ 0.551 χ^2 /NDF: 666631.9/37

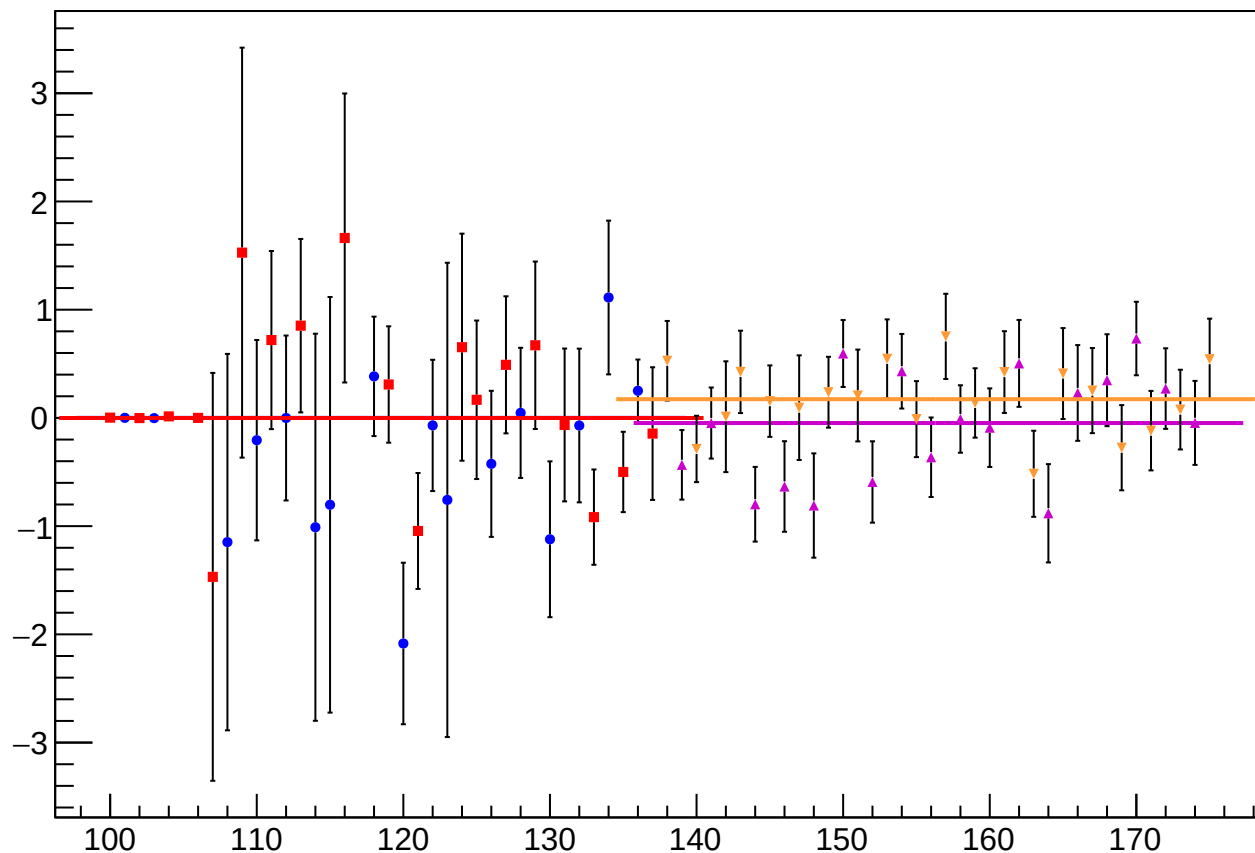
Right: 17.301 $\pm$ 0.010 χ^2 /NDF: 21172771.7/35

In: 18.760 $\pm$ 0.015 χ^2 /NDF: 38141253.4/34

Out: 18.657 $\pm$ 0.014 χ^2 /NDF: 40573968.2/38

All: 18.706 $\pm$ 0.010 χ^2 /NDF: 78715247.6/73

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/16

Left Out: 0.173 $\pm$ 0.084 χ^2 /NDF:14.1/19

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 17.8/18

Left In: -0.047 $\pm$ 0.087 χ^2 /NDF:32.3/17

Left: 0.067 $\pm$ 0.060 χ^2 /NDF: 49.7/37

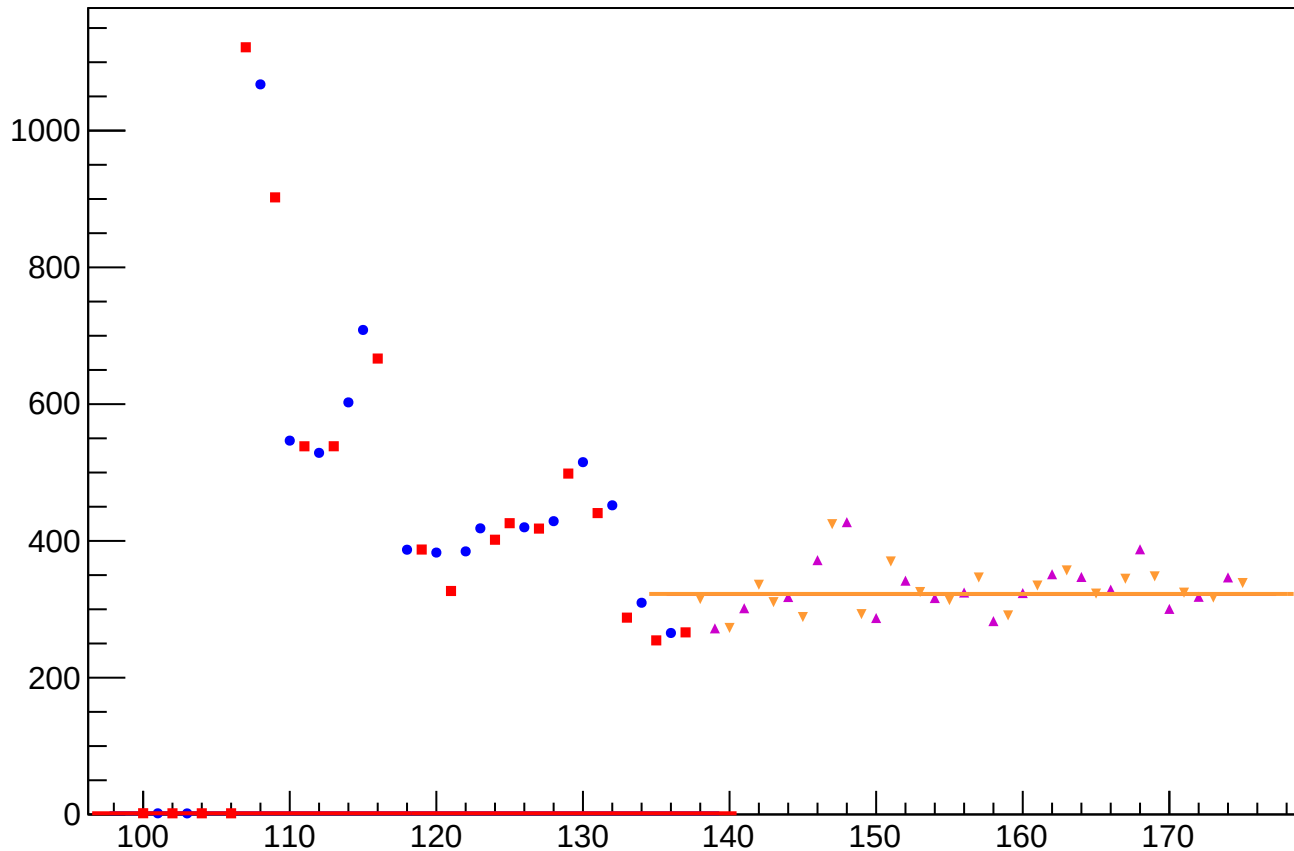
Right: -0.000 $\pm$ 0.001 χ^2 /NDF: 33.6/35

In: 0.000 $\pm$ 0.002 χ^2 /NDF:48.2/34

Out: -0.001 $\pm$ 0.002 χ^2 /NDF:36.2/38

All: -0.000 $\pm$ 0.001 χ^2 /NDF: 84.5/73

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 322.459 $\pm$ 0.059 χ^2 /NDF: 272260.9/19

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

Left In: 322.362 $\pm$ 0.061 χ^2 /NDF: 324958.2/17

Left: 322.412 $\pm$ 0.043 χ^2 /NDF: 597220.4/37

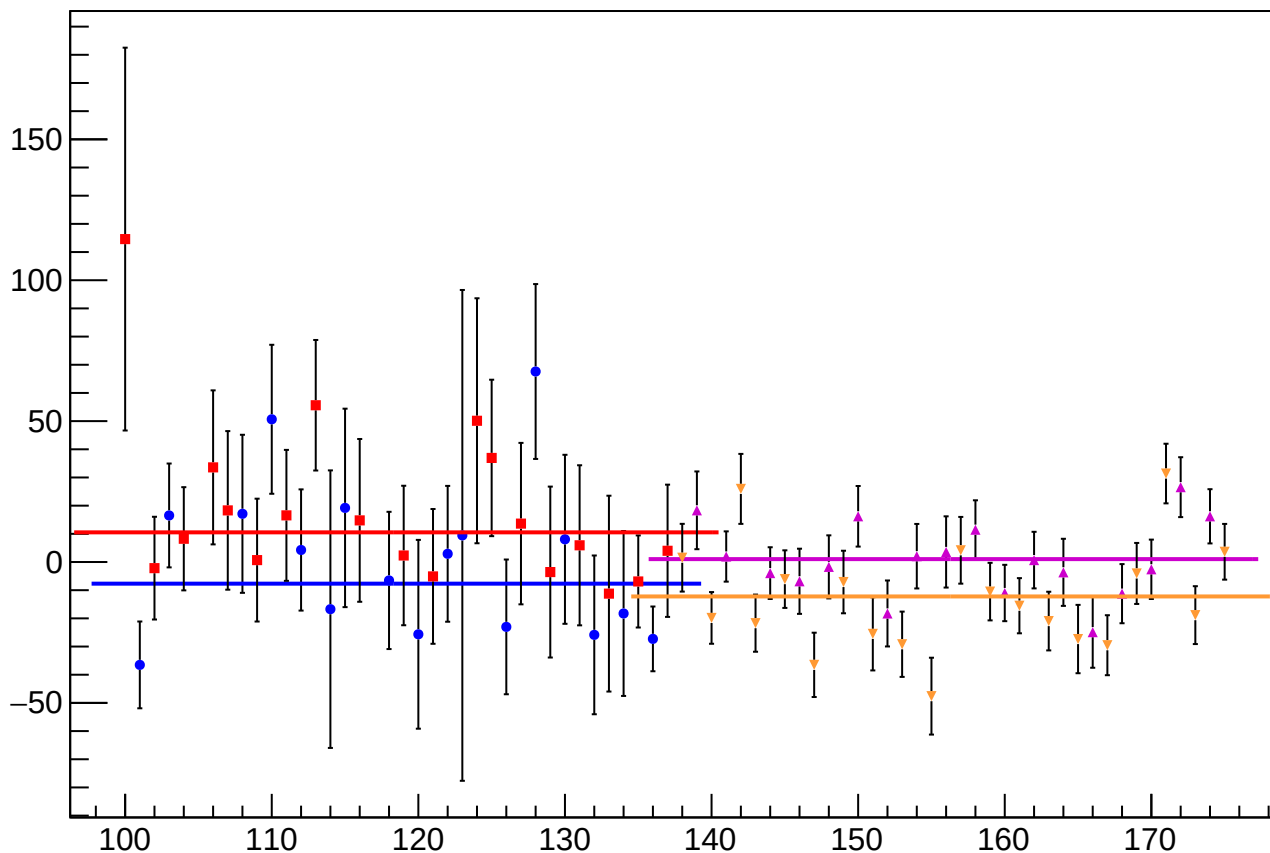
Right: 1.714 $\pm$ 0.001 χ^2 /NDF: 21648518.8/35

In: 1.873 $\pm$ 0.001 χ^2 /NDF: 38542244.5/34

Out: 1.900 $\pm$ 0.001 χ^2 /NDF: 40362330.9/38

All: 1.887 $\pm$ 0.001 χ^2 /NDF: 78904764.8/73

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -12.221 ± 2.437 χ^2/NDF : 54.9/19

Right Out: 10.524 ± 5.682 χ^2/NDF : 11.9/18

Left In: 1.029 ± 2.539 χ^2/NDF : 23.7/17

Left: -5.866 ± 1.758 χ^2/NDF : 92.8/37

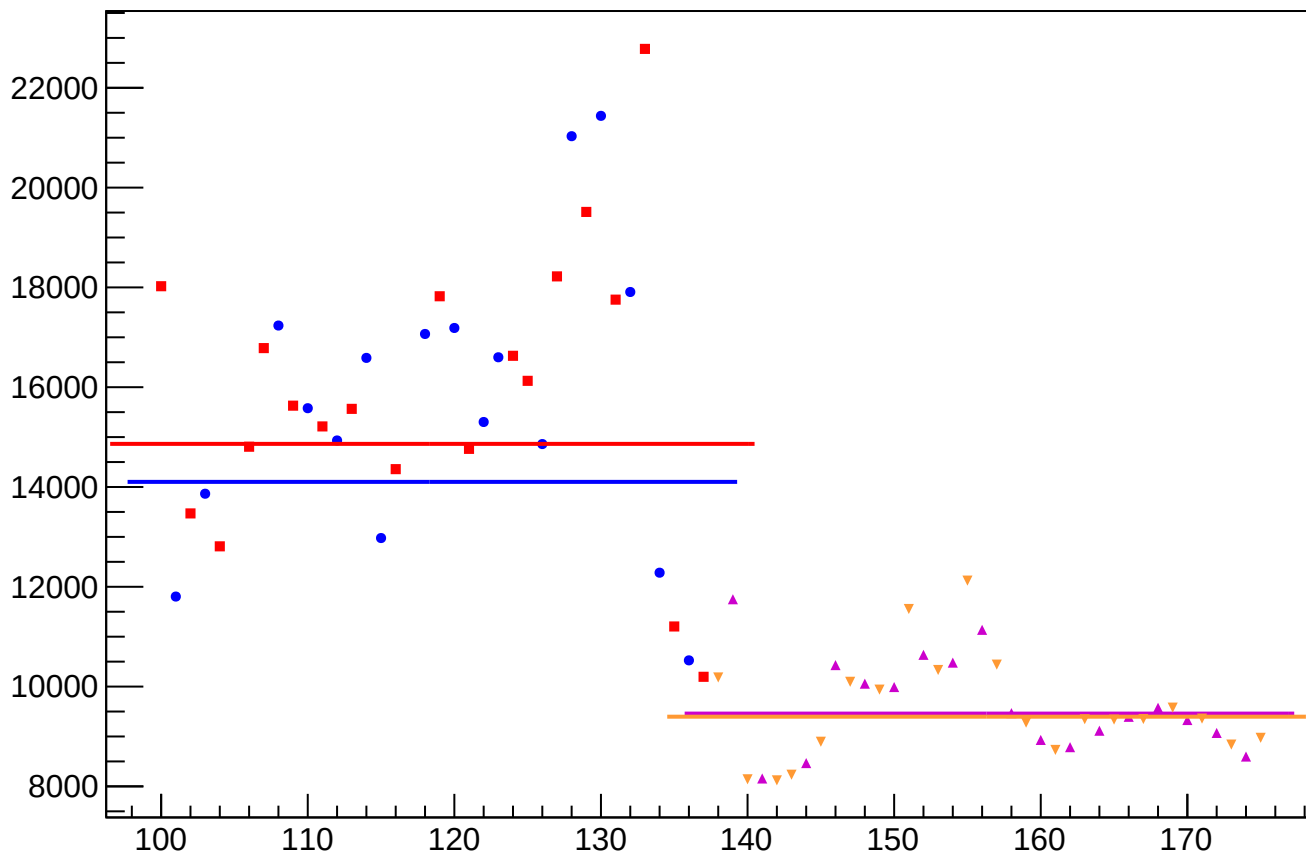
Right: 1.332 ± 3.998 χ^2/NDF : 39.4/35

In: -0.444 ± 2.314 χ^2/NDF : 48.1/34

Out: -8.687 ± 2.240 χ^2/NDF : 80.2/38

All: -4.699 ± 1.609 χ^2/NDF : 134.9/73

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9396.603 $\pm$ 1.723 χ^2 /NDF: 294198.4/19

Right Out: 14864.163 $\pm$ 4.018 χ^2 /NDF: 470280.3/18

Left In: 9458.533 $\pm$ 1.795 χ^2 /NDF: 252778.6/17

Left: 9426.309 $\pm$ 1.243 χ^2 /NDF: 547596.4/37

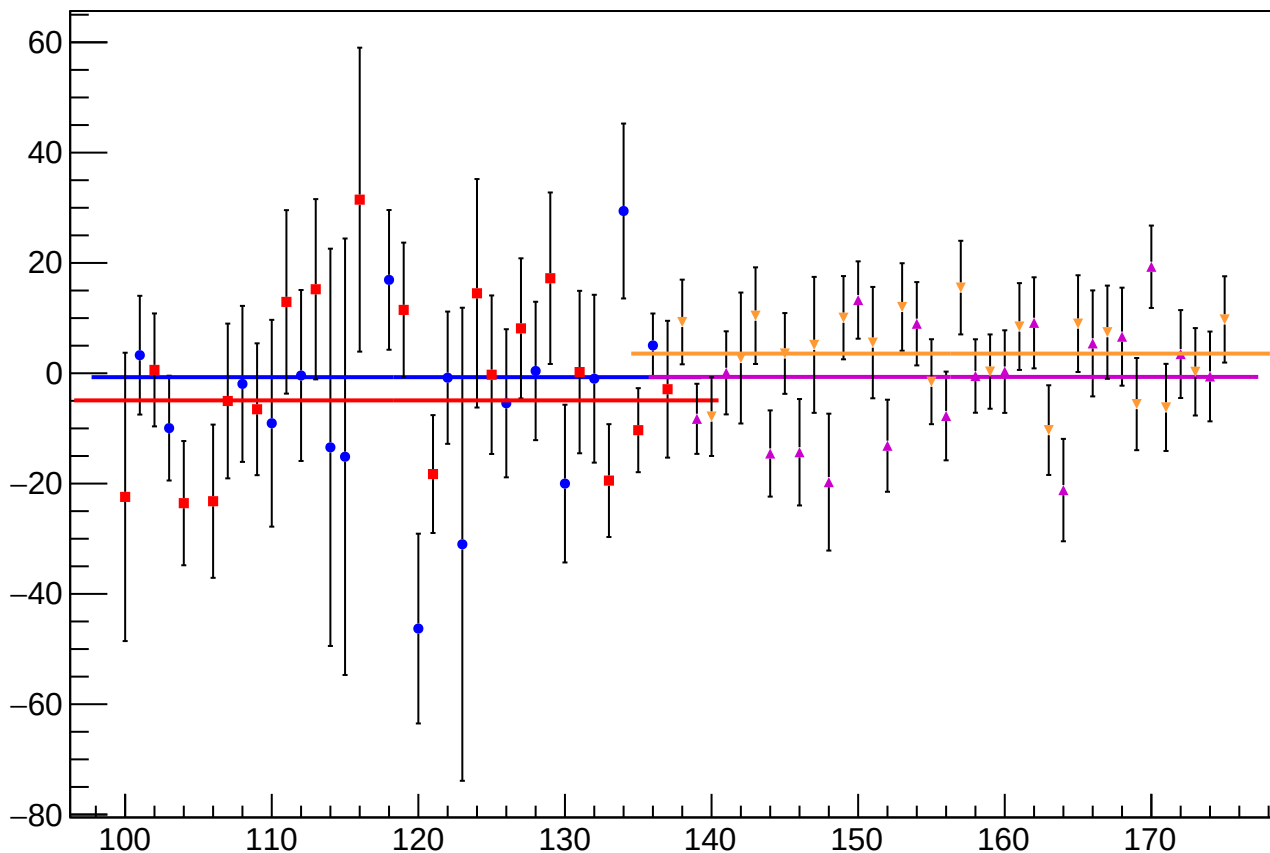
Right: 14479.636 $\pm$ 2.827 χ^2 /NDF: 1087356.3/35

In: 10243.810 $\pm$ 1.636 χ^2 /NDF: 1983532.9/34

Out: 10246.243 $\pm$ 1.584 χ^2 /NDF: 2328454.3/38

All: 10245.066 $\pm$ 1.138 χ^2 /NDF: 4311988.3/77

diff_bpm4aY_mean vs Slug, Sign Corrected



Left: 1.511 ± 1.311 $\chi^2/\text{NDF}: 50.7/37$

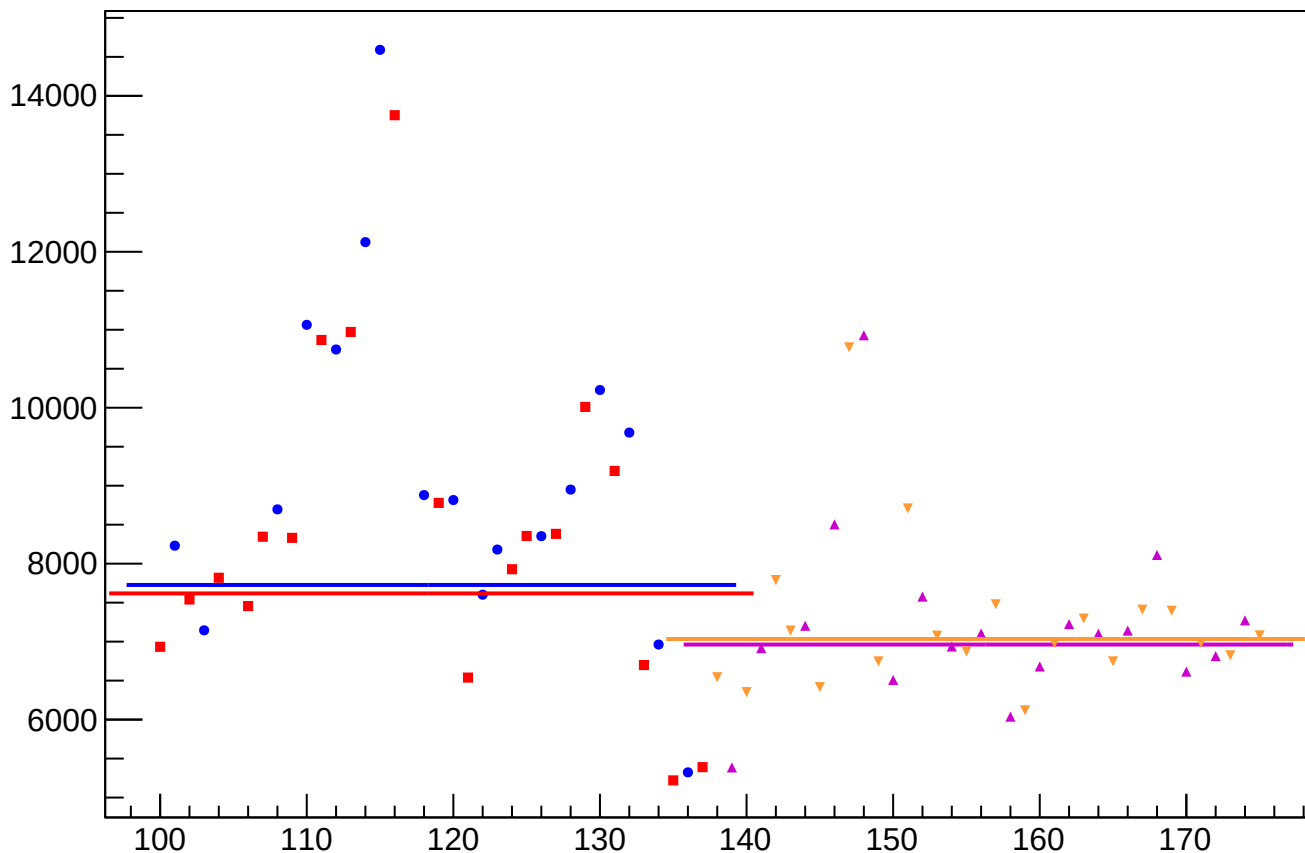
Right: -2.914 ± 2.128 $\chi^2/\text{NDF}: 38.3/35$

In: -0.674 ± 1.606 $\chi^2/\text{NDF}: 49.9/34$

Out: 1.198 ± 1.553 $\chi^2/\text{NDF}: 41.5/38$

All: 0.293 ± 1.116 $\chi^2/\text{NDF}: 92.1/73$

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7033.610+/-1.293 χ^2/NDF : 348122.0/19

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

Left In: 6962.586+/-1.330 χ^2/NDF : 486290.8/17

Left: 6999.093+/-0.927 χ^2/NDF : 835878.5/37

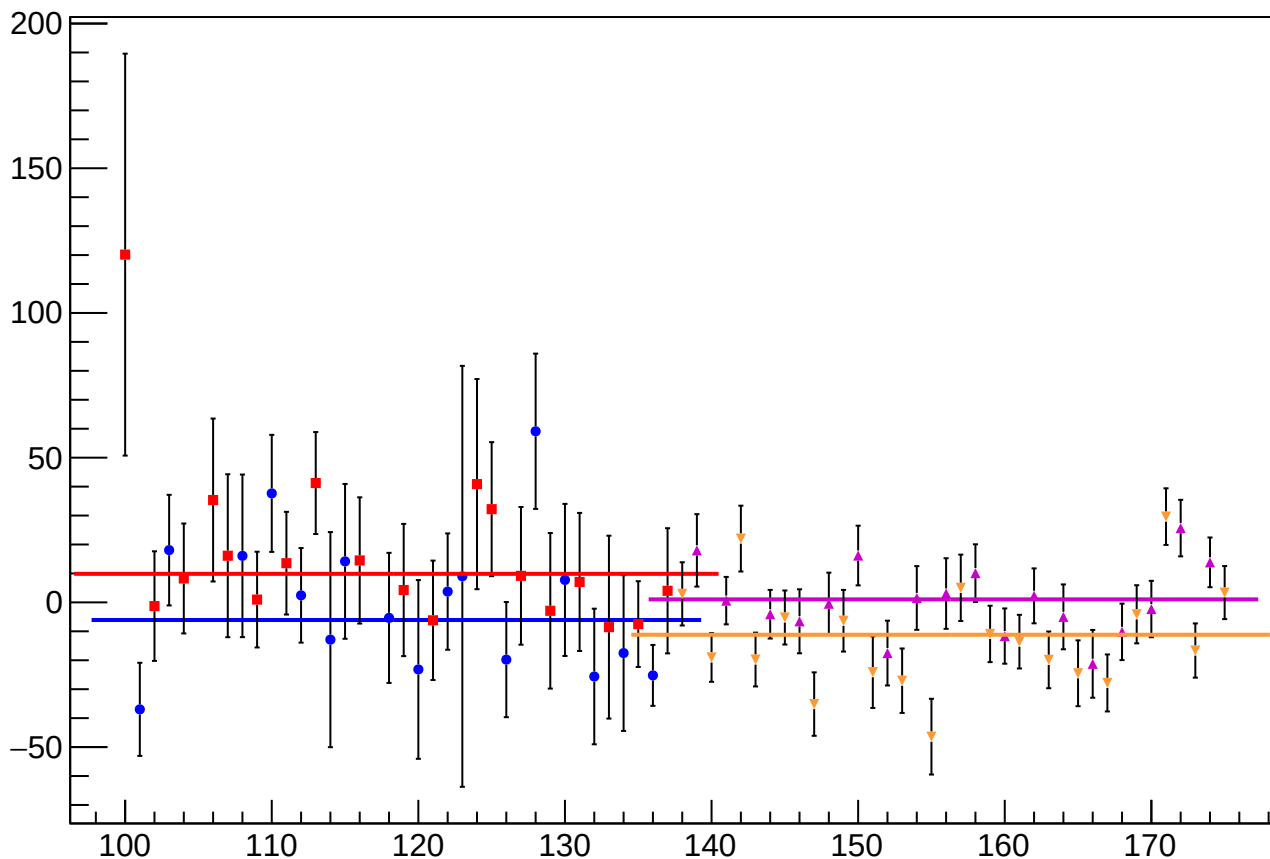
Right: 7669.883+/-1.504 χ^2/NDF : 1418936.4/35

In: 7169.831+/-1.135 χ^2/NDF : 1318321.7/34

Out: 7196.773+/-1.098 χ^2/NDF : 1080271.2/38

All: 7183.753+/-0.789 χ^2/NDF : 2398883.8/73

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -11.182 ± 2.278 $\chi^2/\text{NDF}: 55.5/19$

Right Out: 9.864 ± 5.004 $\chi^2/\text{NDF}: 11.6/18$

Left In: 1.038 ± 2.376 $\chi^2/\text{NDF}: 24.2/17$

Left: -5.329 ± 1.644 $\chi^2/\text{NDF}: 93.5/37$

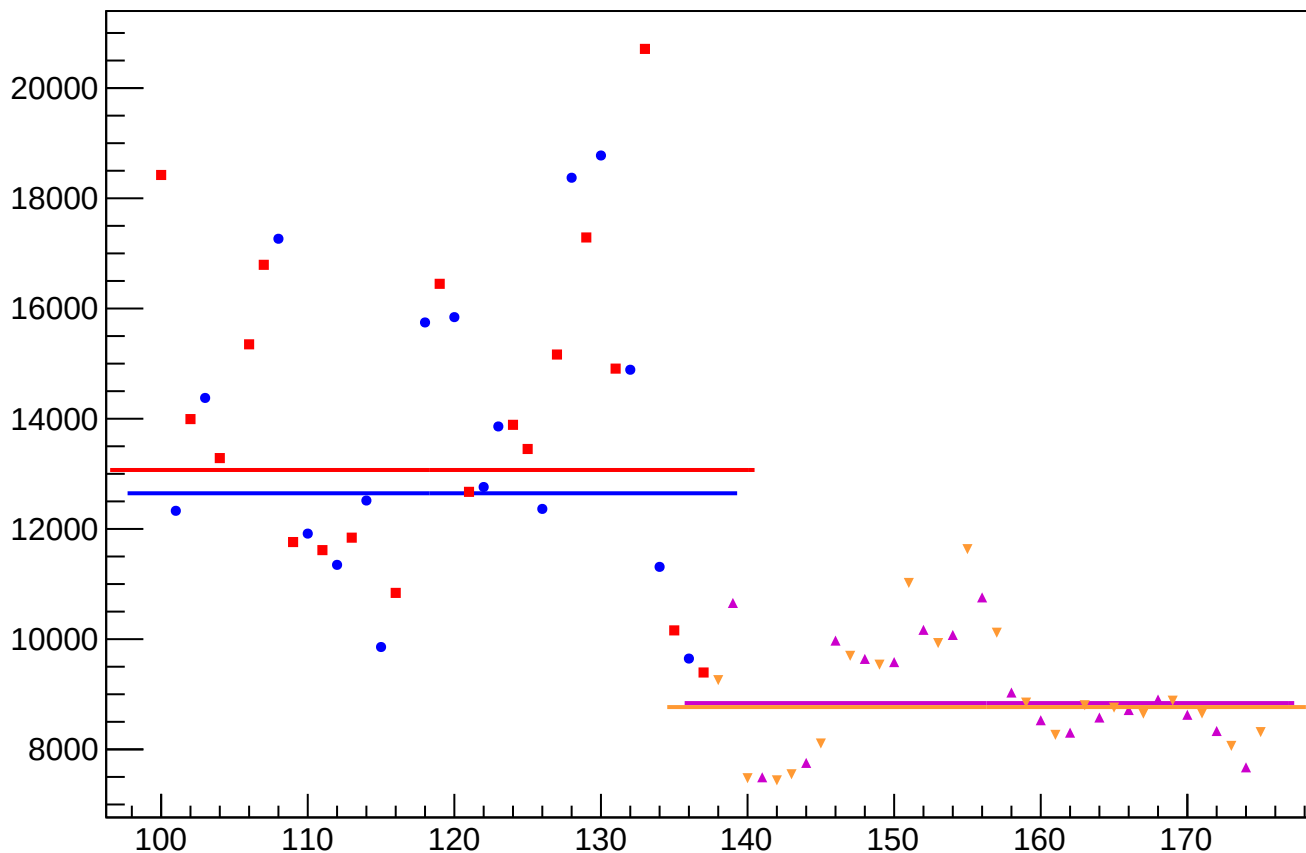
Right: 1.934 ± 3.549 $\chi^2/\text{NDF}: 39.6/35$

In: -0.260 ± 2.148 $\chi^2/\text{NDF}: 48.7/34$

Out: -7.569 ± 2.073 $\chi^2/\text{NDF}: 81.8/38$

All: -4.045 ± 1.492 $\chi^2/\text{NDF}: 136.5/73$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2 /NDF: 554320.4/16

Left Out: 8767.546 $\pm$ 1.611 χ^2 /NDF:382329.5/19

Right Out: 13069.930 $\pm$ 3.538 χ^2 /NDF: 496271.7/18

Left In: 8840.191 $\pm$ 1.680 χ^2 /NDF:328867.7/17

Left: 8802.340 $\pm$ 1.163 χ^2 /NDF: 712171.6/37

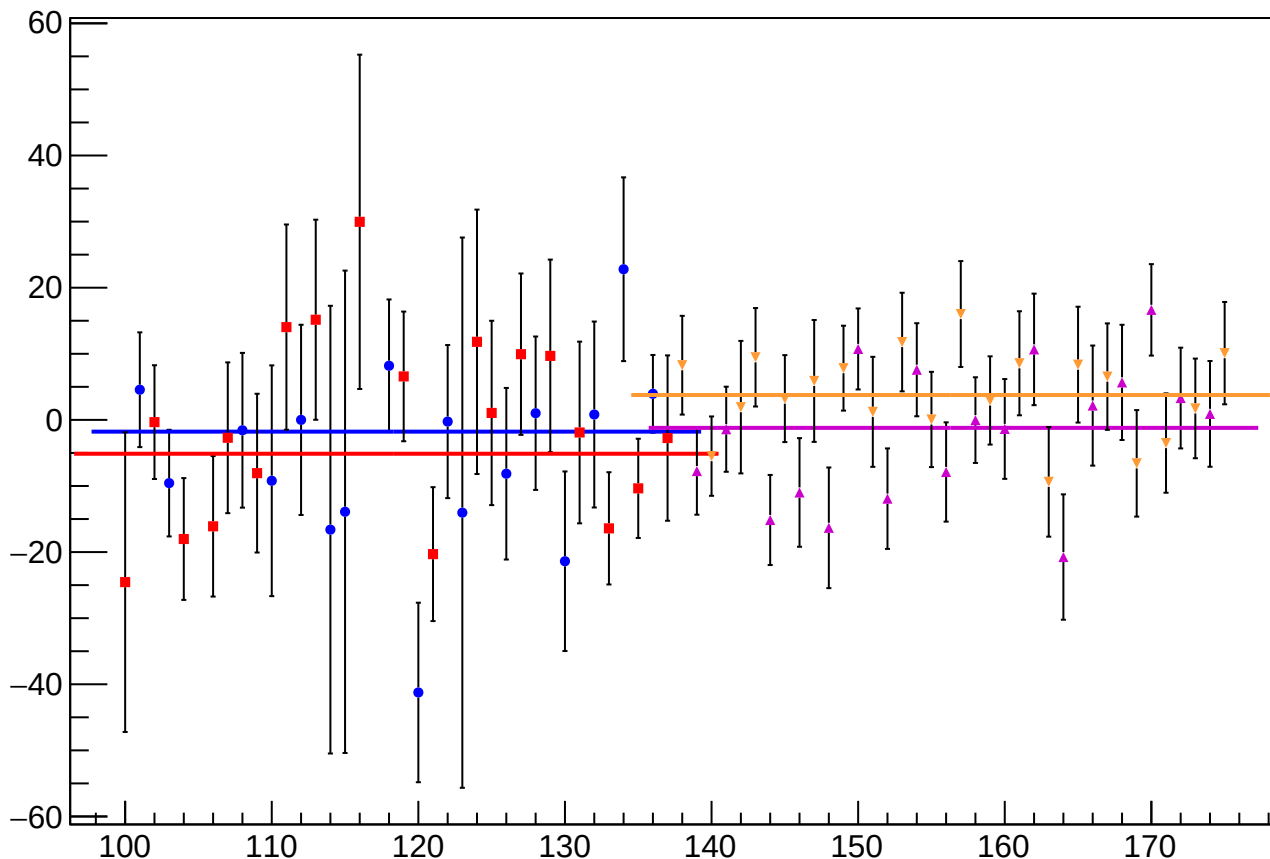
Right: 12859.864 $\pm$ 2.509 χ^2 /NDF: 1057685.3/35

In: 9533.732 $\pm$ 1.519 χ^2 /NDF:1818807.7/34

Out: 9506.105 $\pm$ 1.466 χ^2 /NDF:2103511.1/38

All: 9519.426 $\pm$ 1.055 χ^2 /NDF: 3922490.0/73

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 3.764 ± 1.693 χ^2/NDF : 14.3/19

Right Out: -5.122 ± 2.642 χ^2/NDF : 18.9/18

Left In: -1.206 ± 1.760 χ^2/NDF : 31.5/17

Left: 1.376 ± 1.220 χ^2/NDF : 50.0/37

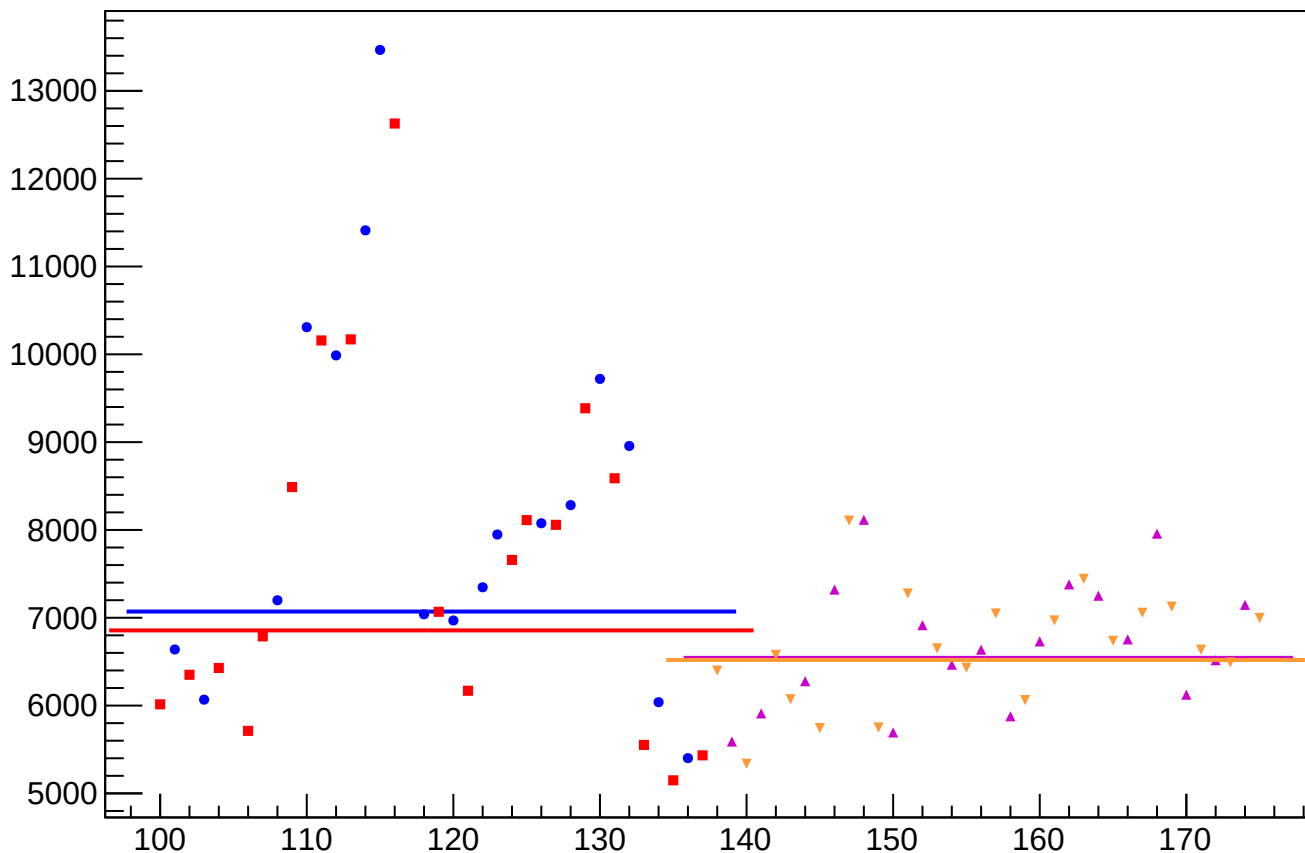
Right: -3.550 ± 1.923 χ^2/NDF : 37.6/35

In: -1.367 ± 1.491 χ^2/NDF : 49.6/34

Out: 1.177 ± 1.425 χ^2/NDF : 41.2/38

All: -0.038 ± 1.030 χ^2/NDF : 92.3/73

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6519.494 $\pm$ 1.197 χ^2 /NDF: 297641.5/19

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

Left In: 6543.319 $\pm$ 1.245 χ^2 /NDF: 310641.5/17

Left: 6530.942 $\pm$ 0.863 χ^2 /NDF: 608473.3/37

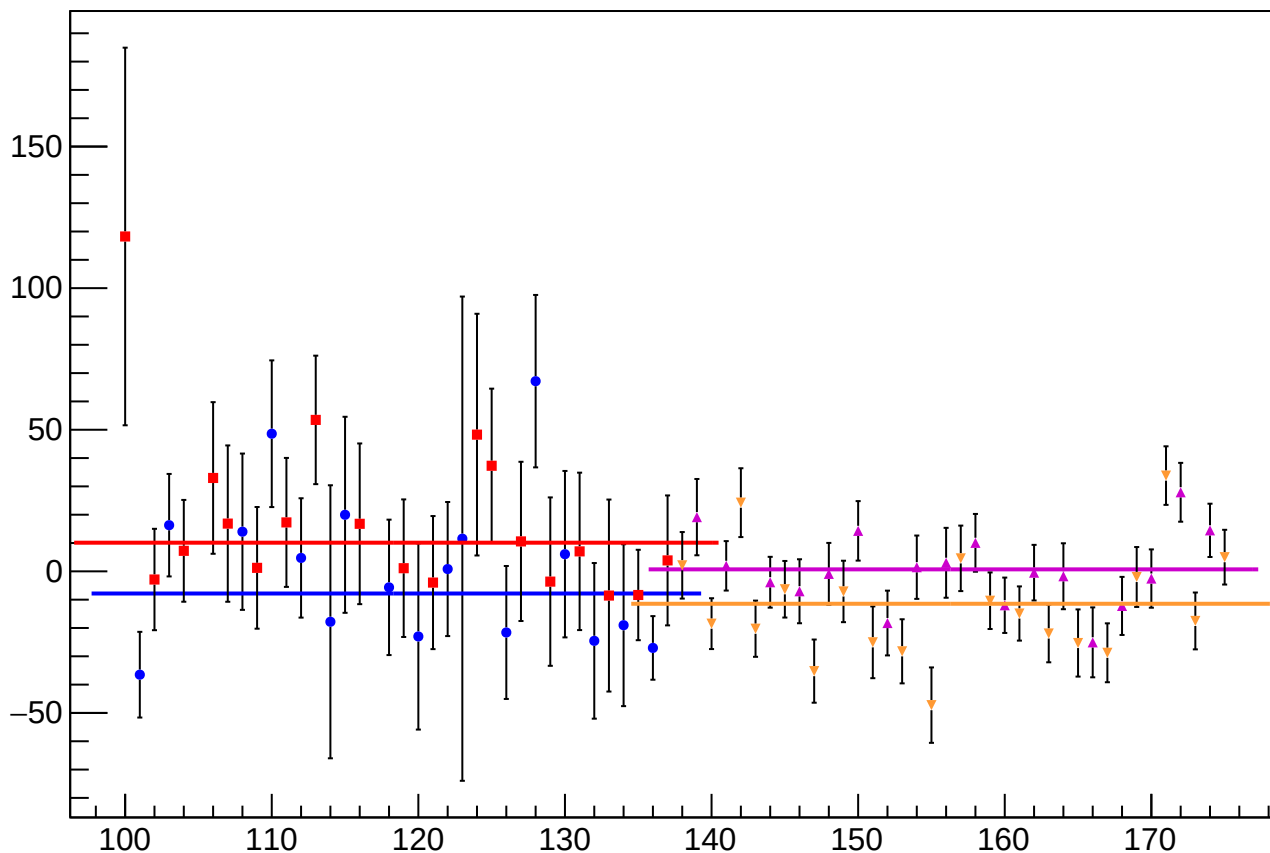
Right: 6956.947 $\pm$ 1.360 χ^2 /NDF: 1290110.2/35

In: 6692.235 $\pm$ 1.054 χ^2 /NDF: 963027.5/34

Out: 6617.483 $\pm$ 1.008 χ^2 /NDF: 1002883.6/38

All: 6653.174 $\pm$ 0.729 χ^2 /NDF: 1968537.6/73

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 $\pm$ 5.516 χ^2/NDF : 22.3/16

Left Out: -11.449 $\pm$ 2.383 χ^2/NDF : 57.4/19

Right Out: 10.117 $\pm$ 5.571 χ^2/NDF : 12.2/18

Left In: 0.699 $\pm$ 2.481 χ^2/NDF : 24.7/17

Left: -5.622 $\pm$ 1.719 χ^2/NDF : 94.6/37

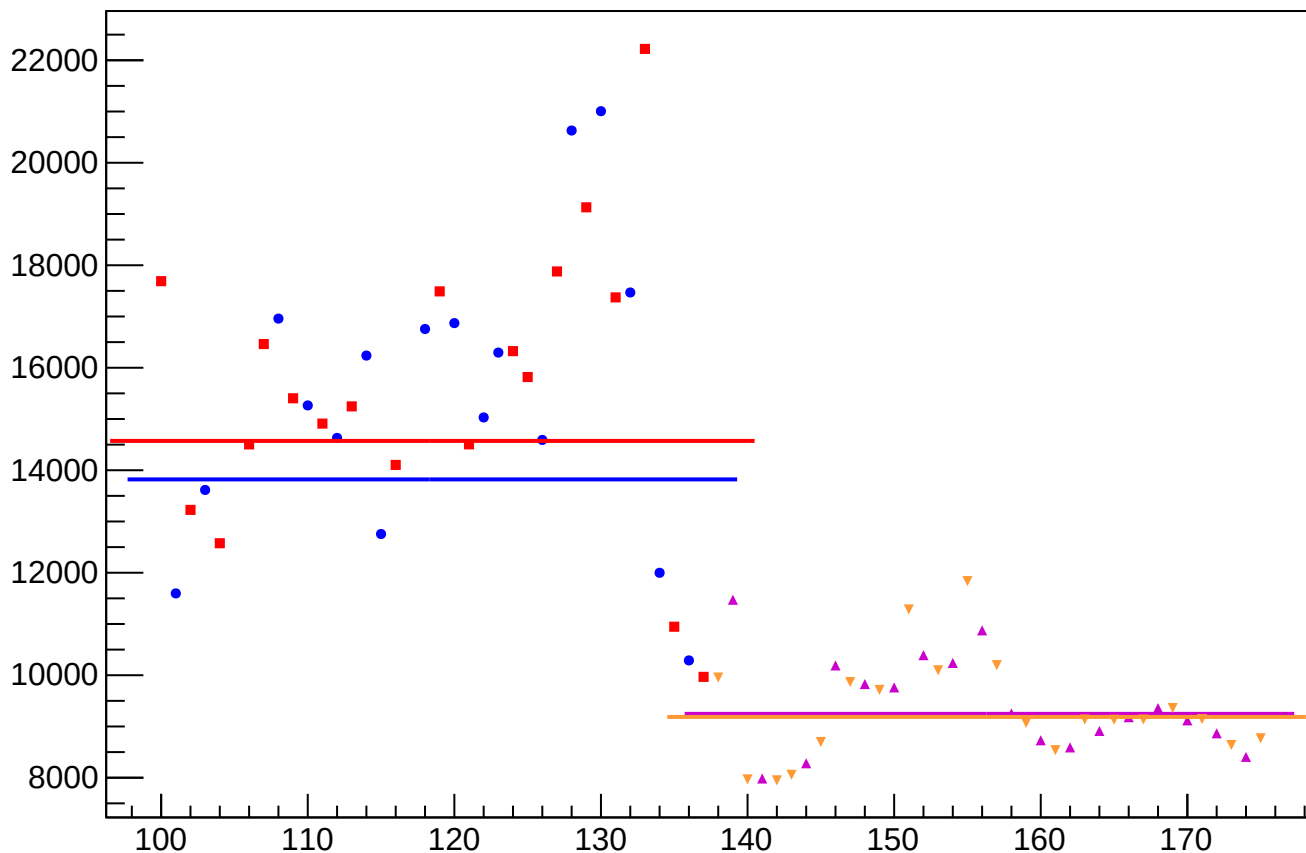
Right: 1.056 $\pm$ 3.920 χ^2/NDF : 39.7/35

In: -0.736 $\pm$ 2.263 χ^2/NDF : 49.0/34

Out: -8.115 $\pm$ 2.191 χ^2/NDF : 82.3/38

All: -4.545 $\pm$ 1.574 χ^2/NDF : 136.7/73

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2 /NDF: 602672.4/16

Left Out: 9186.118 $\pm$ 1.685 χ^2 /NDF: 291082.6/19

Right Out: 14572.437 $\pm$ 3.939 χ^2 /NDF: 472468.2/18

Left In: 9246.134 $\pm$ 1.755 χ^2 /NDF: 249963.7/17

Left: 9214.907 $\pm$ 1.215 χ^2 /NDF: 541655.1/37

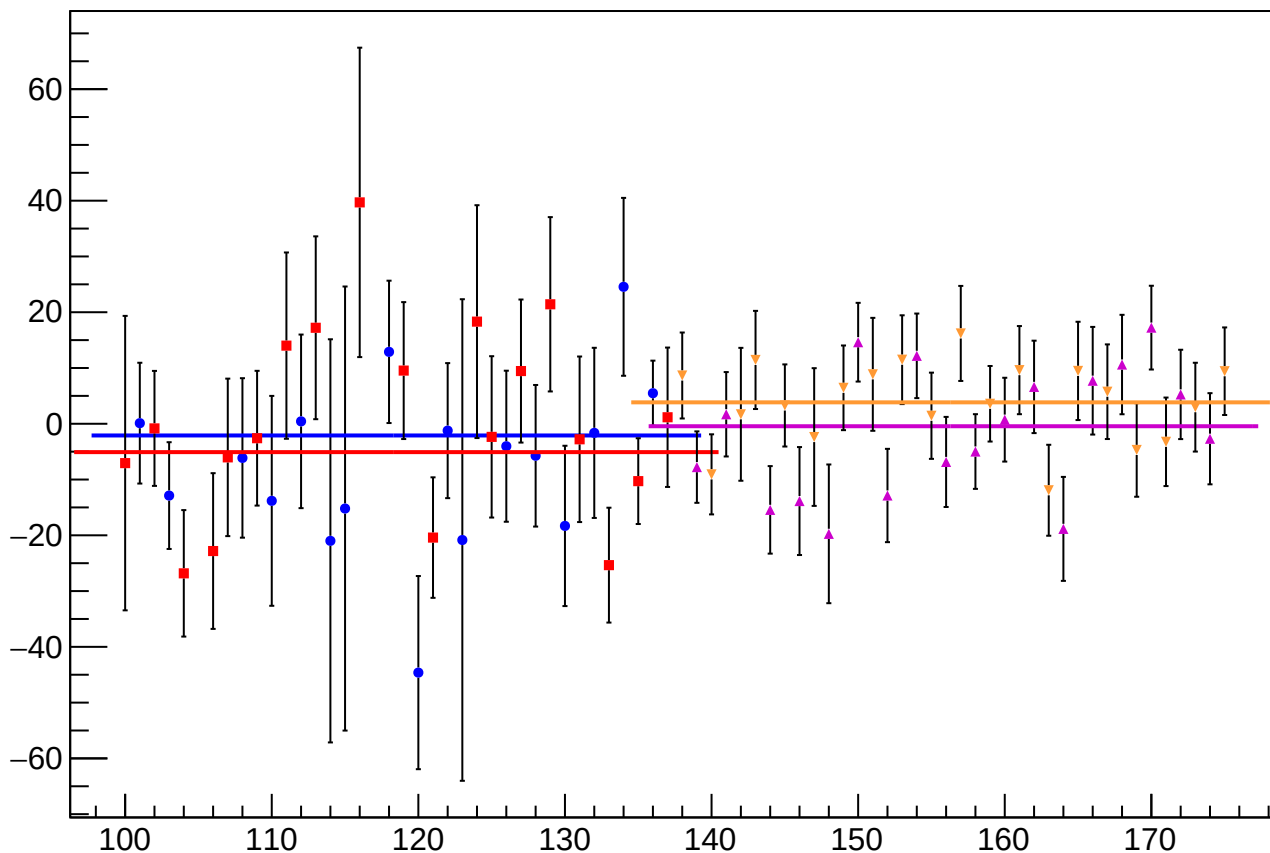
Right: 14193.062 $\pm$ 2.772 χ^2 /NDF: 1093505.5/35

In: 10016.187 $\pm$ 1.600 χ^2 /NDF: 1997021.5/34

Out: 10018.893 $\pm$ 1.549 χ^2 /NDF: 2343996.8/38

All: 10017.584 $\pm$ 1.113 χ^2 /NDF: 4341019.8/77

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 3.840 ± 1.837 χ^2/NDF : 15.2/19

Right Out: -5.085 ± 2.962 χ^2/NDF : 24.8/18

Left In: -0.443 ± 1.890 χ^2/NDF : 33.0/17

Left: 1.759 ± 1.317 χ^2/NDF : 50.9/37

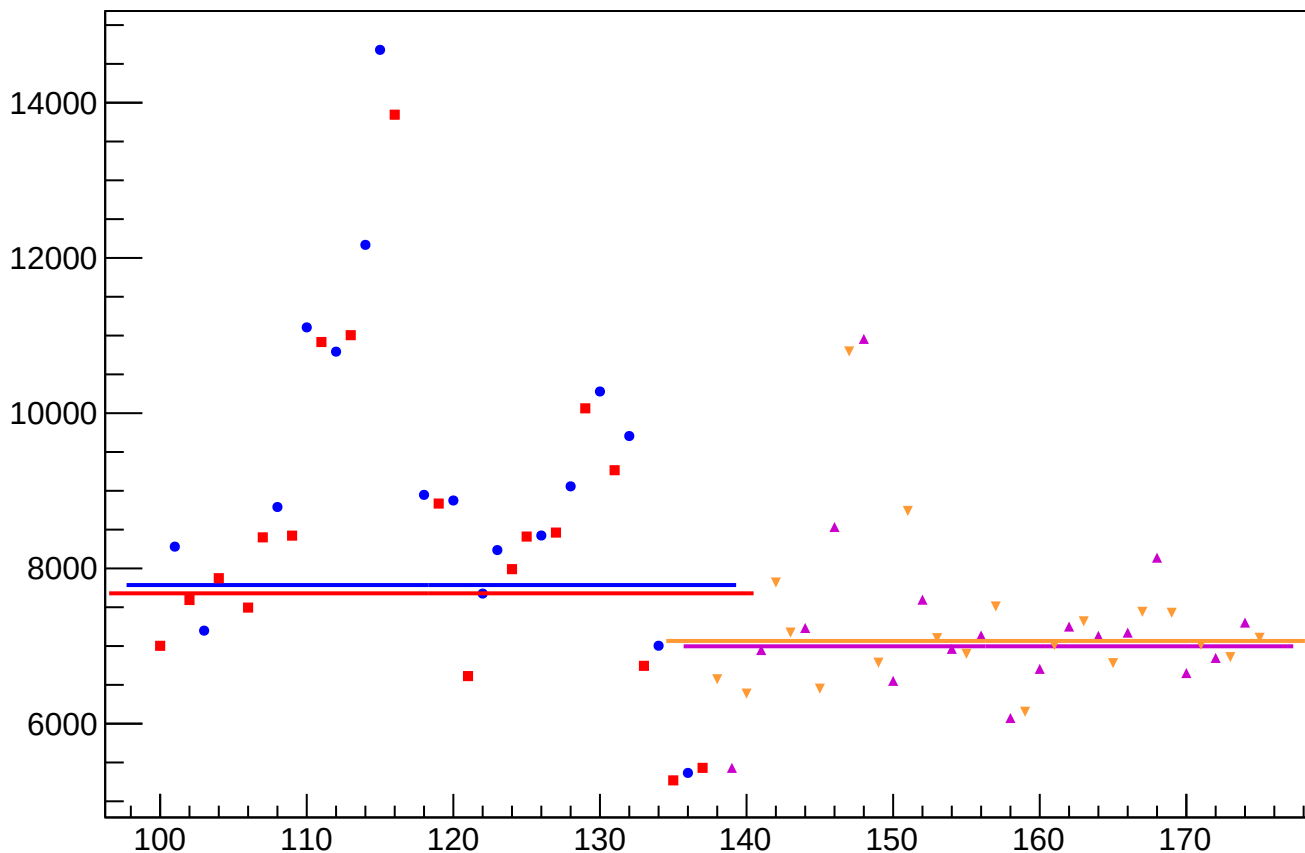
Right: -3.662 ± 2.144 χ^2/NDF : 40.9/35

In: -0.890 ± 1.615 χ^2/NDF : 48.9/34

Out: 1.361 ± 1.561 χ^2/NDF : 46.5/38

All: 0.273 ± 1.122 χ^2/NDF : 96.4/73

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7065.915 $\pm$ 1.299 χ^2 /NDF:344157.9/19

Right Out: 7679.182 $\pm$ 2.095 χ^2 /NDF: 668736.8/18

Left In: 6996.731 $\pm$ 1.336 χ^2 /NDF:478141.0/17

Left: 7032.301 $\pm$ 0.931 χ^2 /NDF: 823677.0/37

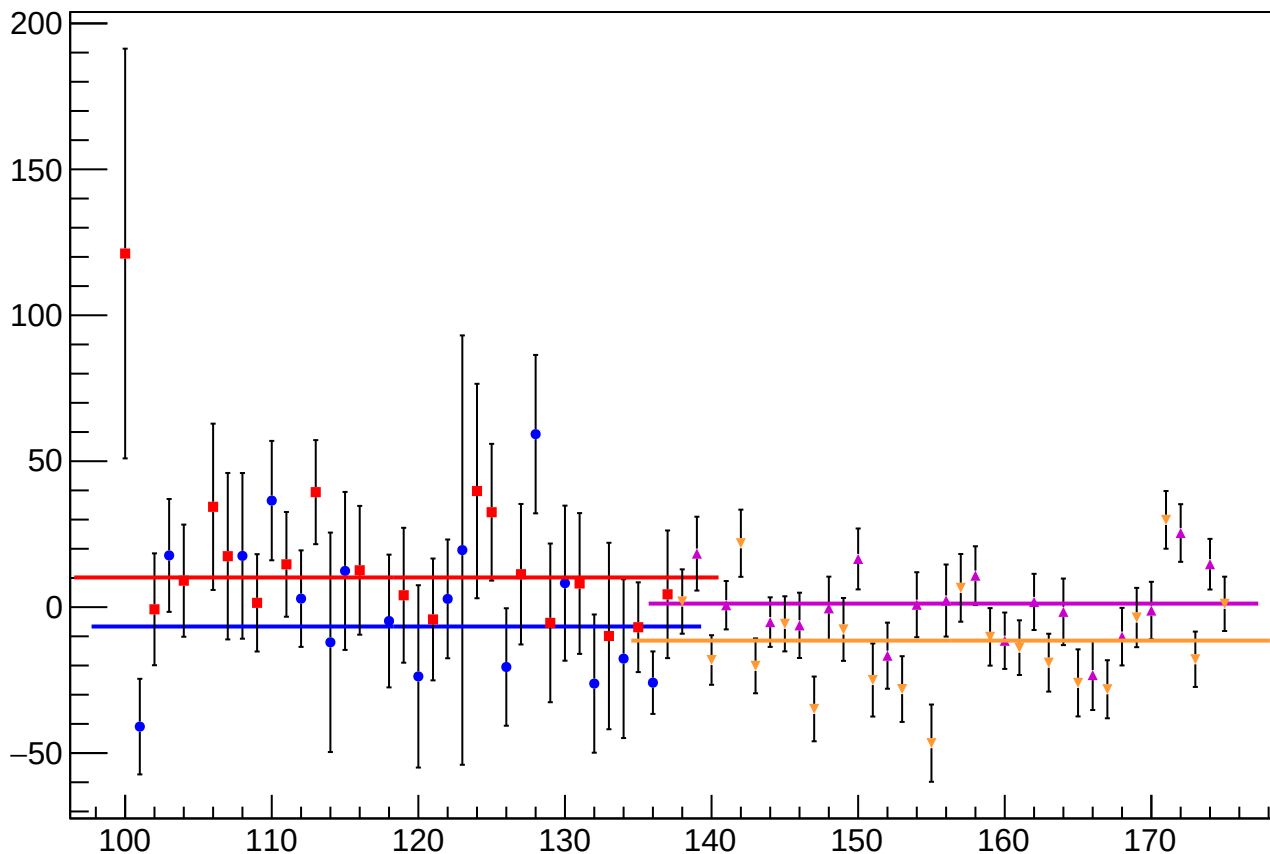
Right: 7730.020 $\pm$ 1.516 χ^2 /NDF: 1408075.7/35

In: 7209.912 $\pm$ 1.142 χ^2 /NDF:1310457.4/34

Out: 7236.278 $\pm$ 1.104 χ^2 /NDF:1074804.5/38

All: 7223.537 $\pm$ 0.794 χ^2 /NDF: 2385537.6/73

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -11.458 ± 2.304 $\chi^2/\text{NDF}: 54.6/19$

Right Out: 10.172 ± 5.075 $\chi^2/\text{NDF}: 10.8/18$

Left In: 1.219 ± 2.404 $\chi^2/\text{NDF}: 24.2/17$

Left: -5.391 ± 1.663 $\chi^2/\text{NDF}: 93.2/37$

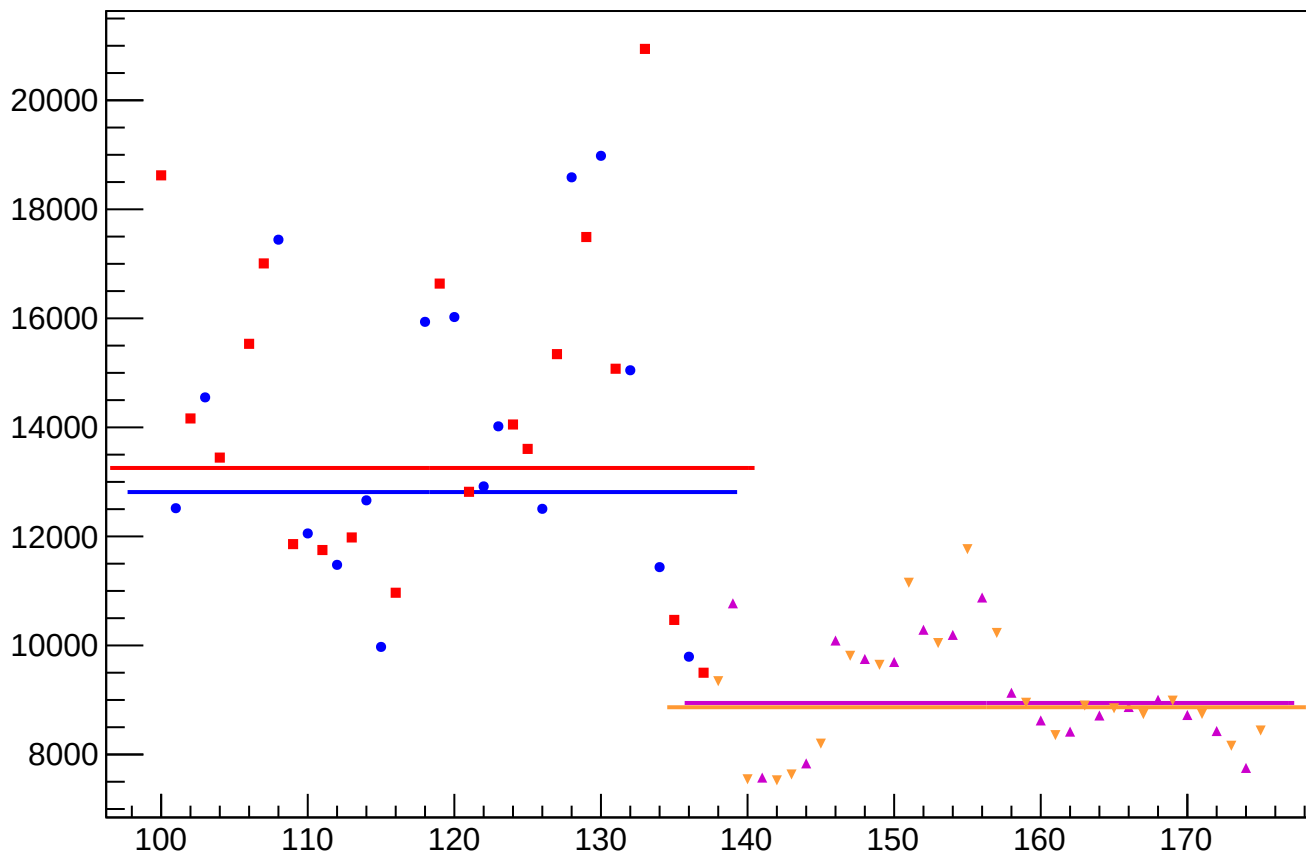
Right: 1.813 ± 3.598 $\chi^2/\text{NDF}: 39.7/35$

In: -0.209 ± 2.175 $\chi^2/\text{NDF}: 49.5/34$

Out: -7.763 ± 2.098 $\chi^2/\text{NDF}: 80.4/38$

All: -4.123 ± 1.510 $\chi^2/\text{NDF}: 136.2/73$

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8866.346+/-1.629 χ^2/NDF : 382873.0/19

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

Left In: 8945.049+/-1.700 χ^2/NDF : 329240.4/17

Left: 8904.011+/-1.176 χ^2/NDF : 713230.7/37

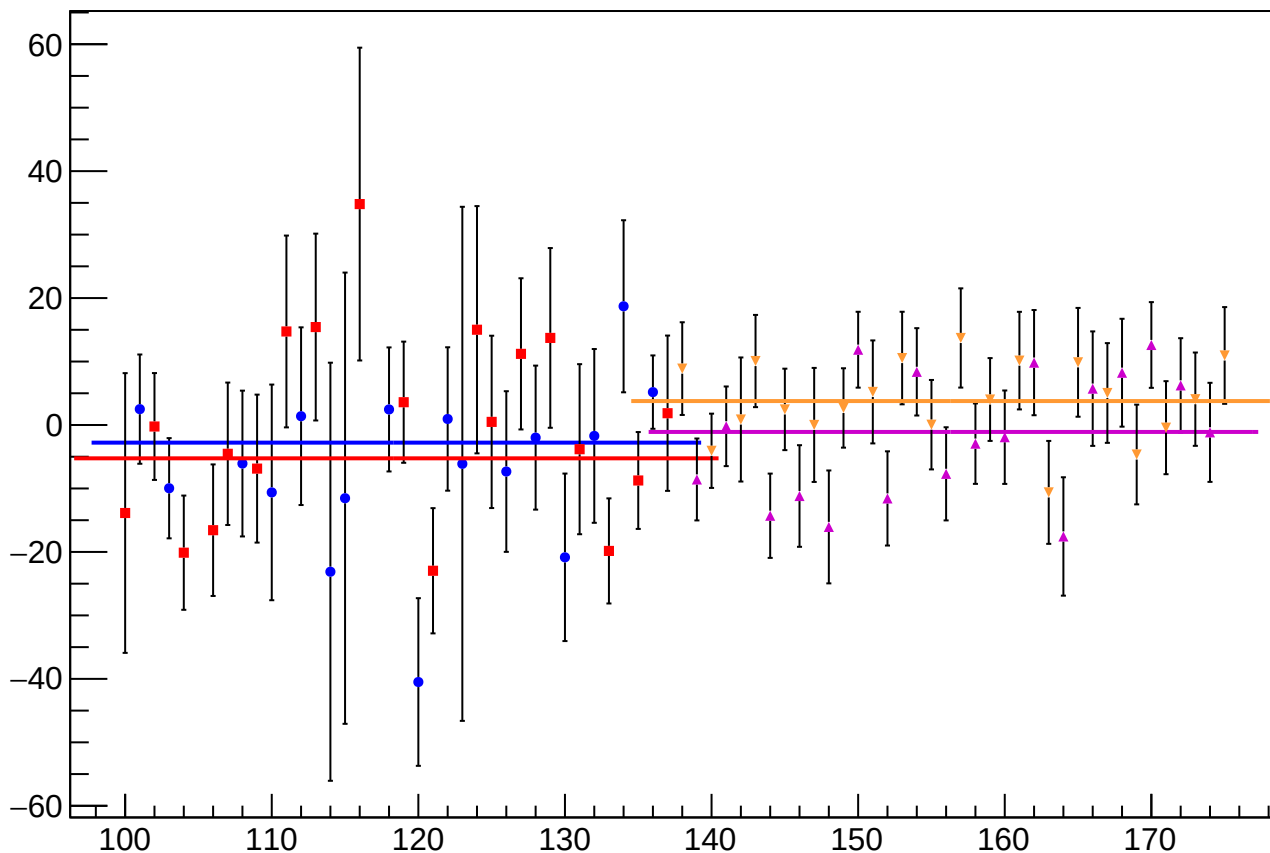
Right: 13035.784+/-2.544 χ^2/NDF : 1039954.9/35

In: 9648.296+/-1.538 χ^2/NDF : 1818516.4/34

Out: 9616.197+/-1.483 χ^2/NDF : 2107675.2/38

All: 9631.665+/-1.068 χ^2/NDF : 3926417.3/73

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 3.772 ± 1.653 $\chi^2/\text{NDF}: 12.9/19$

Right Out: -5.252 ± 2.590 $\chi^2/\text{NDF}: 23.5/18$

Left In: -1.093 ± 1.720 $\chi^2/\text{NDF}: 31.0/17$

Left: 1.436 ± 1.192 $\chi^2/\text{NDF}: 48.0/37$

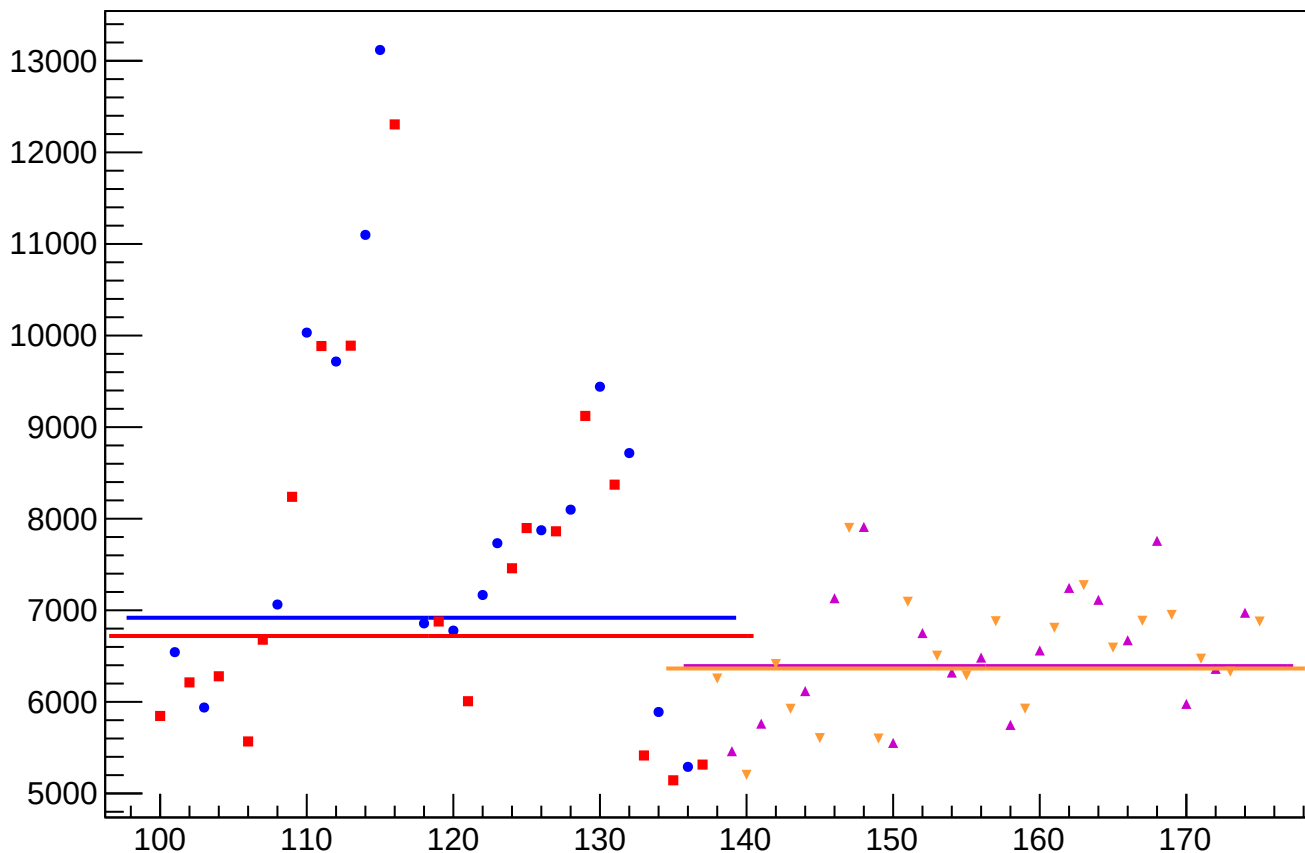
Right: -4.088 ± 1.884 $\chi^2/\text{NDF}: 41.0/35$

In: -1.567 ± 1.458 $\chi^2/\text{NDF}: 48.2/34$

Out: 1.160 ± 1.393 $\chi^2/\text{NDF}: 45.1/38$

All: -0.142 ± 1.007 $\chi^2/\text{NDF}: 95.1/73$

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6364.551 ± 1.169 $\chi^2/\text{NDF}: 300473.4/19$

Right Out: 6719.404 ± 1.831 $\chi^2/\text{NDF}: 653831.7/18$

Left In: 6390.423 ± 1.216 $\chi^2/\text{NDF}: 312390.4/17$

Left: 6376.974 ± 0.843 $\chi^2/\text{NDF}: 613099.1/37$

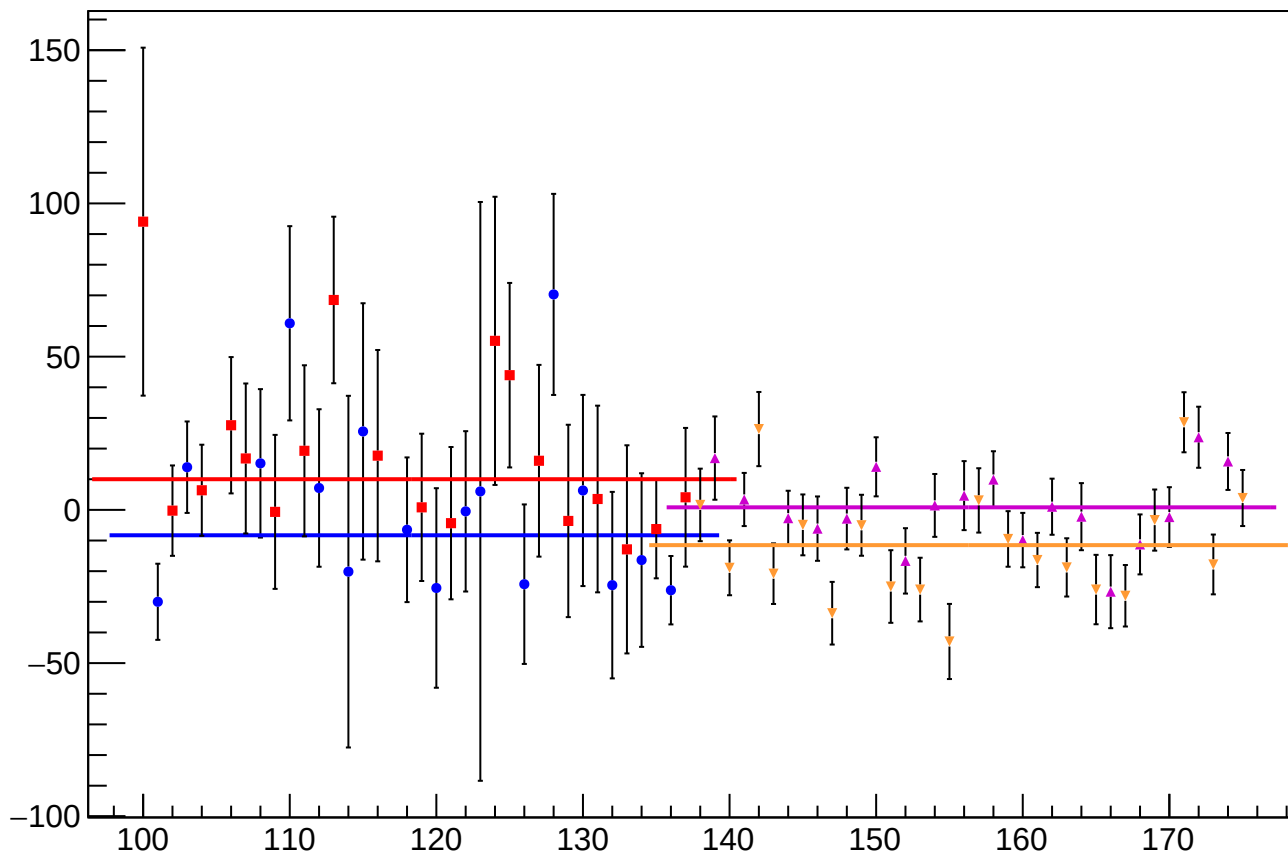
Right: 6813.106 ± 1.332 $\chi^2/\text{NDF}: 1247373.6/35$

In: 6539.115 ± 1.031 $\chi^2/\text{NDF}: 953474.4/34$

Out: 6467.263 ± 0.985 $\chi^2/\text{NDF}: 980988.9/38$

All: 6501.566 ± 0.712 $\chi^2/\text{NDF}: 1937002.8/73$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -11.506 ± 2.263 $\chi^2/\text{NDF}: 55.9/19$

Right Out: 10.007 ± 5.513 $\chi^2/\text{NDF}: 12.9/18$

Left In: 0.831 ± 2.347 $\chi^2/\text{NDF}: 24.2/17$

Left: -5.563 ± 1.629 $\chi^2/\text{NDF}: 94.4/37$

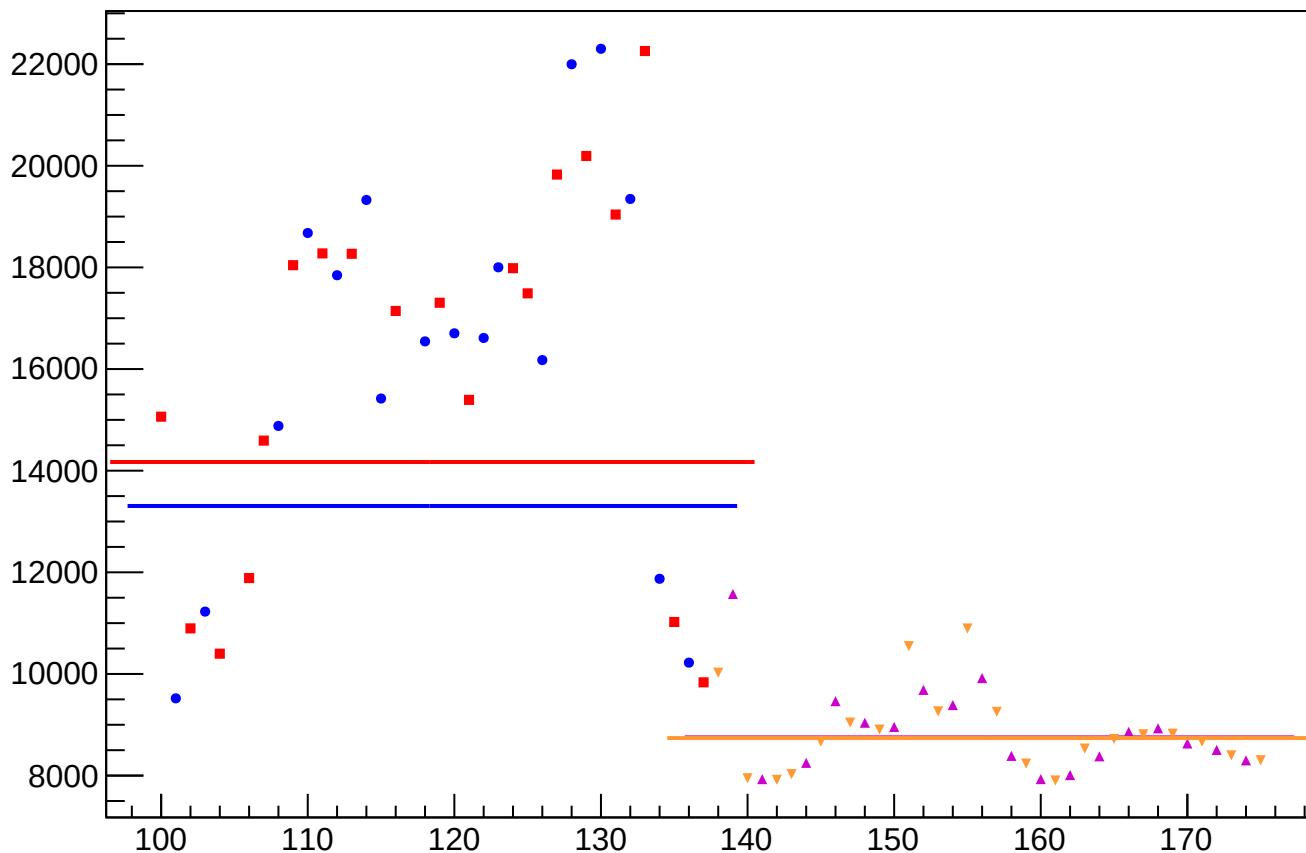
Right: 0.688 ± 3.861 $\chi^2/\text{NDF}: 40.2/35$

In: -0.614 ± 2.153 $\chi^2/\text{NDF}: 48.3/34$

Out: -8.403 ± 2.094 $\chi^2/\text{NDF}: 81.8/38$

All: -4.618 ± 1.501 $\chi^2/\text{NDF}: 136.8/73$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2 /NDF: 1044091.1/16

Left Out: 8738.604 $\pm$ 1.600 χ^2 /NDF:211882.9/19

Right Out: 14170.668 $\pm$ 3.898 χ^2 /NDF: 930612.1/18

Left In: 8752.496 $\pm$ 1.660 χ^2 /NDF:209535.7/17

Left: 8745.296 $\pm$ 1.152 χ^2 /NDF: 421454.9/37

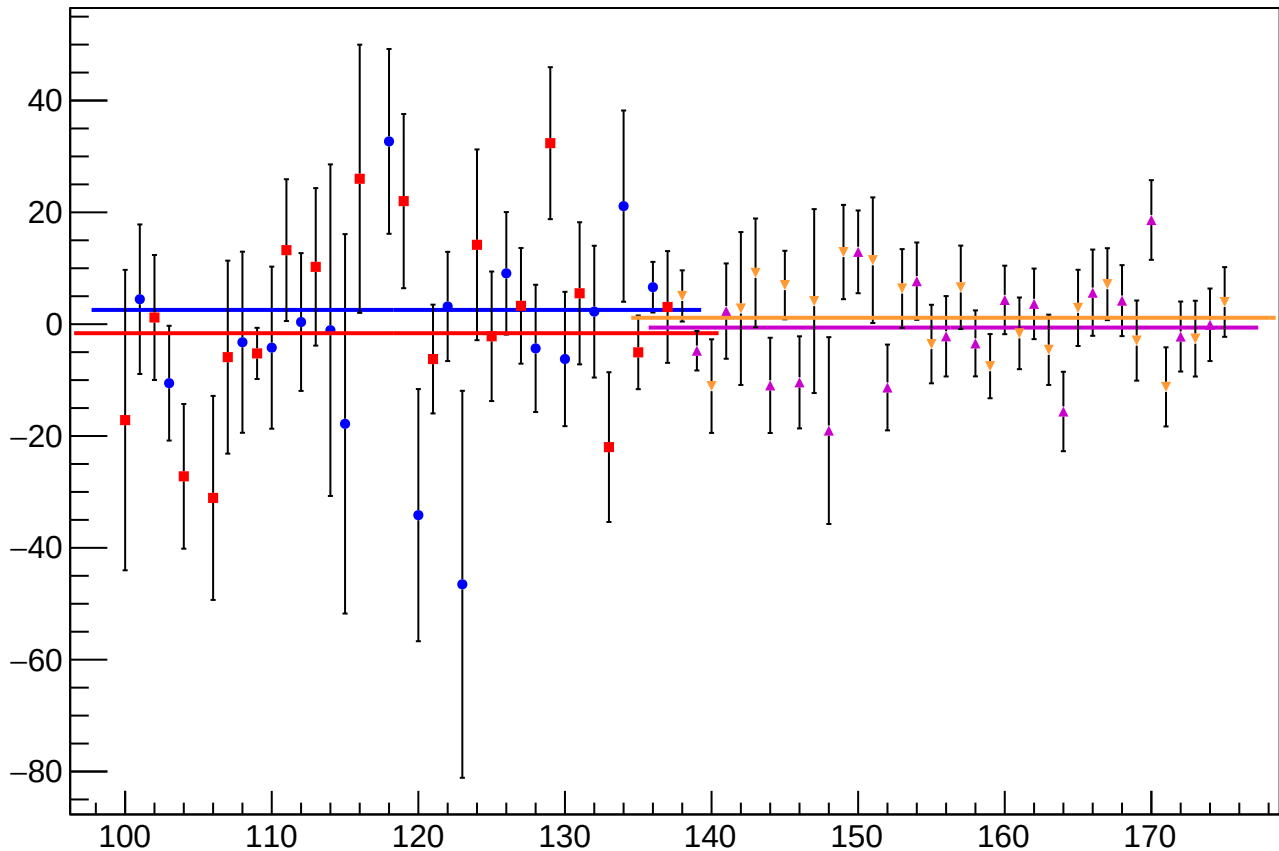
Right: 13729.884 $\pm$ 2.730 χ^2 /NDF: 1999799.5/35

In: 9473.827 $\pm$ 1.523 χ^2 /NDF:2445640.2/34

Out: 9522.001 $\pm$ 1.480 χ^2 /NDF:2804120.0/38

All: 9498.592 $\pm$ 1.061 χ^2 /NDF: 5250274.7/73

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 $\pm$ 2.757 χ^2/NDF : 13.6/16

Left Out: 1.146 $\pm$ 1.579 χ^2/NDF : 16.9/19

Right Out: -1.613 $\pm$ 2.442 χ^2/NDF : 24.0/18

Left In: -0.608 $\pm$ 1.557 χ^2/NDF : 26.8/17

Left: 0.257 $\pm$ 1.109 χ^2/NDF : 44.3/37

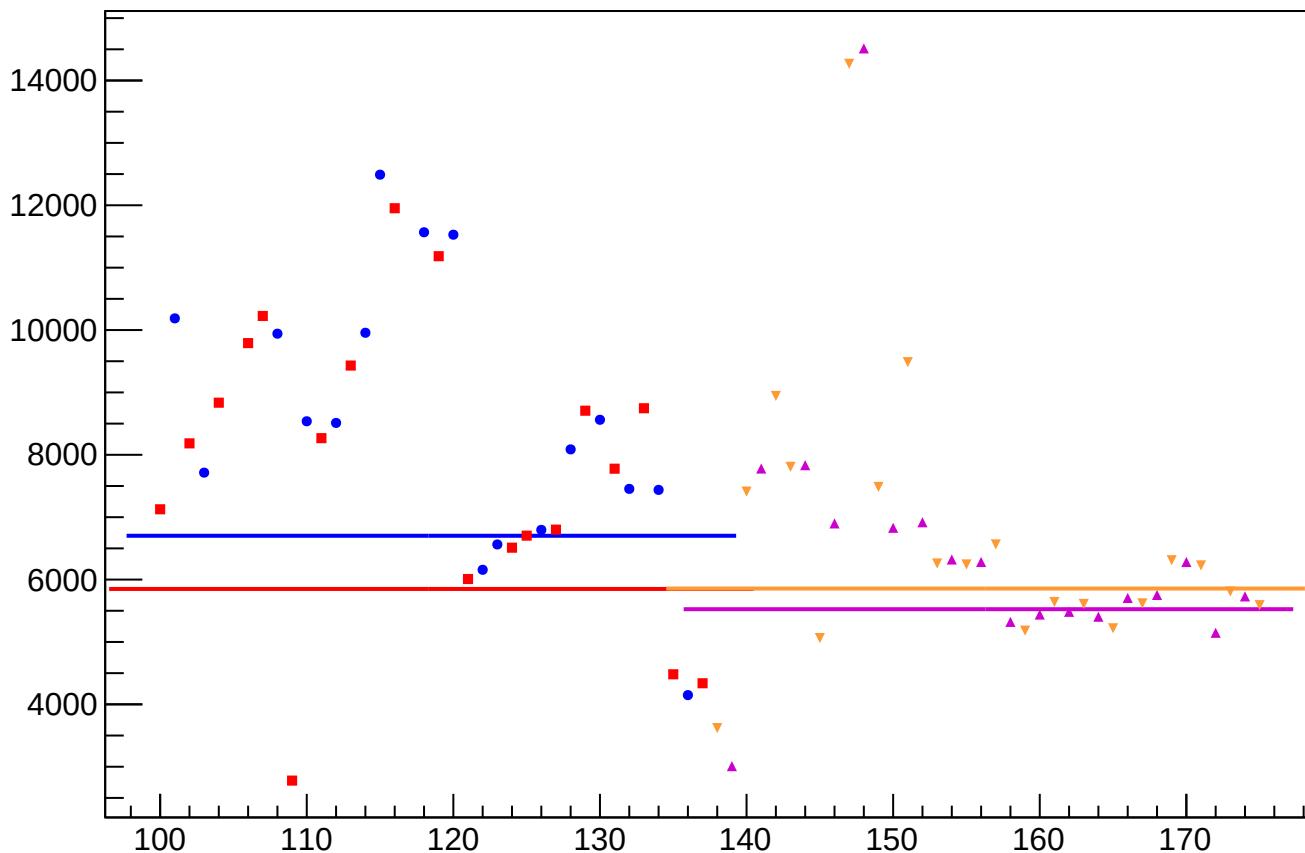
Right: 0.218 $\pm$ 1.828 χ^2/NDF : 38.9/35

In: 0.156 $\pm$ 1.356 χ^2/NDF : 41.4/34

Out: 0.333 $\pm$ 1.326 χ^2/NDF : 41.8/38

All: 0.247 $\pm$ 0.948 χ^2/NDF : 83.2/73

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5855.948+/-1.116 χ^2/NDF : 1669545.6/19

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

Left In: 5525.210+/-1.101 χ^2/NDF : 2151019.3/17

Left: 5688.315+/-0.784 χ^2/NDF : 3865057.7/37

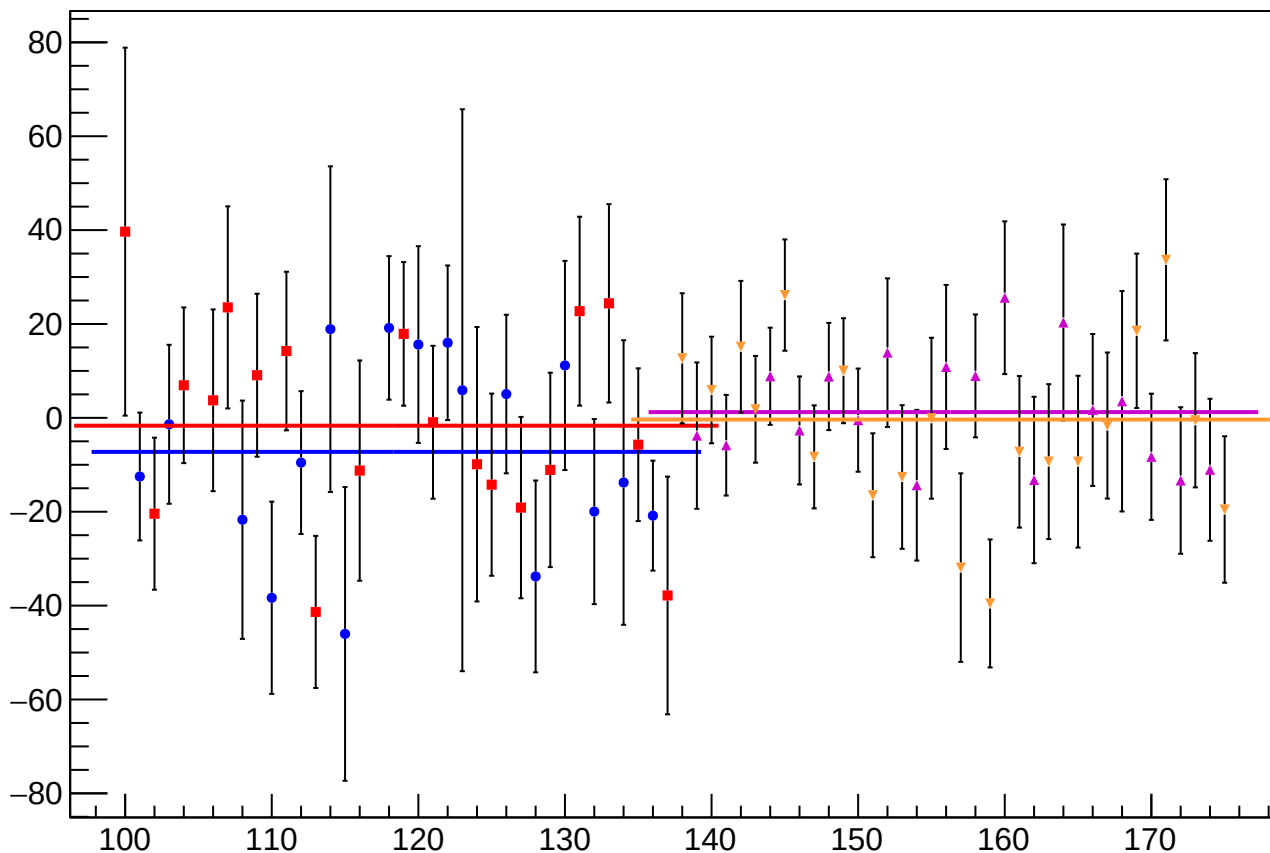
Right: 6224.538+/-1.293 χ^2/NDF : 3775609.7/35

In: 5809.922+/-0.959 χ^2/NDF : 3817372.8/34

Out: 5854.079+/-0.937 χ^2/NDF : 3948019.7/38

All: 5832.495+/-0.670 χ^2/NDF : 7766476.9/73

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245+/-4.547 χ^2/NDF : 15.9/16

Left Out: -0.363+/-3.144 χ^2/NDF : 29.2/19

Right Out: -1.671+/-4.373 χ^2/NDF : 19.9/18

Left In: 1.223+/-3.306 χ^2/NDF : 9.7/17

Left: 0.390+/-2.278 χ^2/NDF : 39.0/37

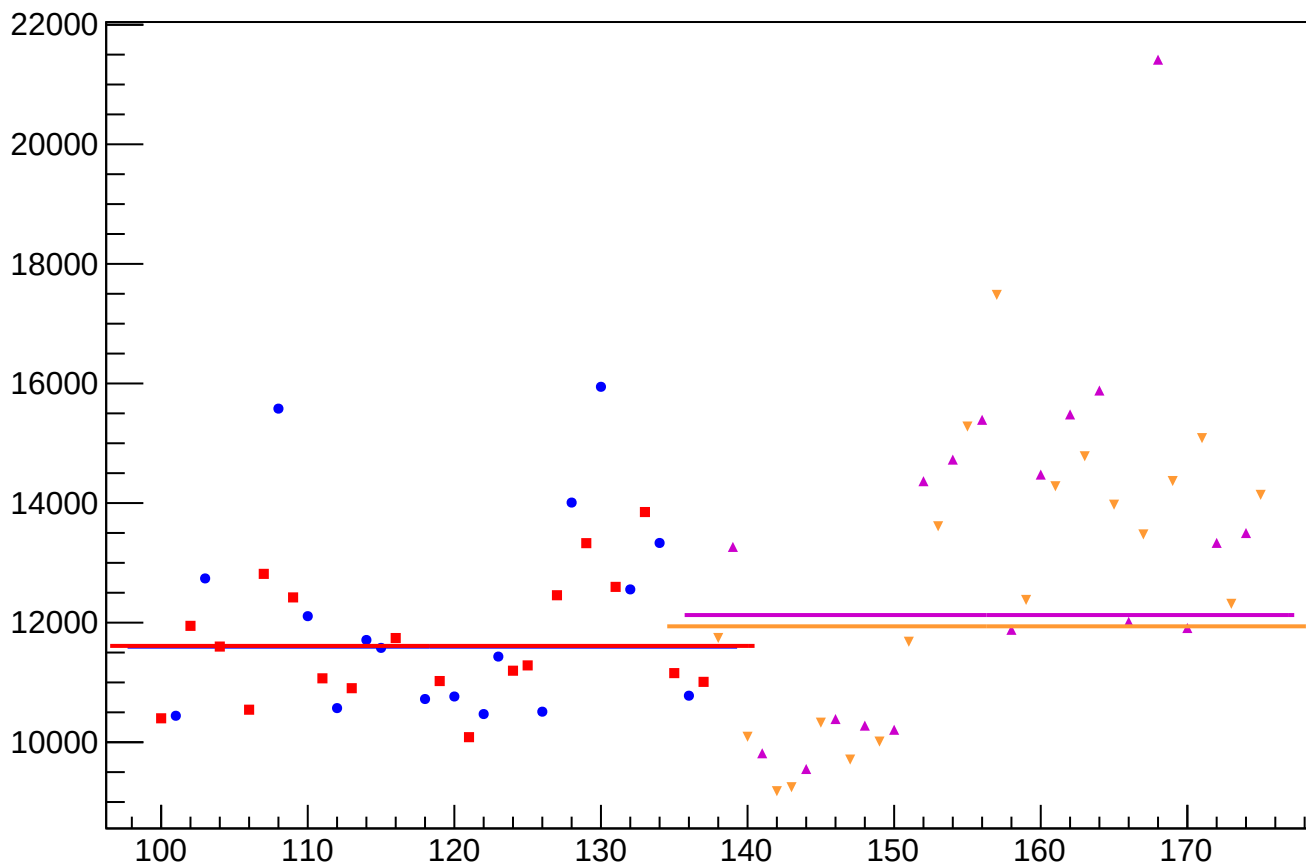
Right: -4.349+/-3.152 χ^2/NDF : 36.6/35

In: -1.705+/-2.674 χ^2/NDF : 27.9/34

Out: -0.808+/-2.553 χ^2/NDF : 49.1/38

All: -1.236+/-1.846 χ^2/NDF : 77.0/73

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 11938.381+/-2.223 χ^2/NDF : 974125.3/19

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

Left In: 12126.956+/-2.338 χ^2/NDF : 1069359.2/17

Left: 12027.943+/-1.611 χ^2/NDF : 2046901.6/37

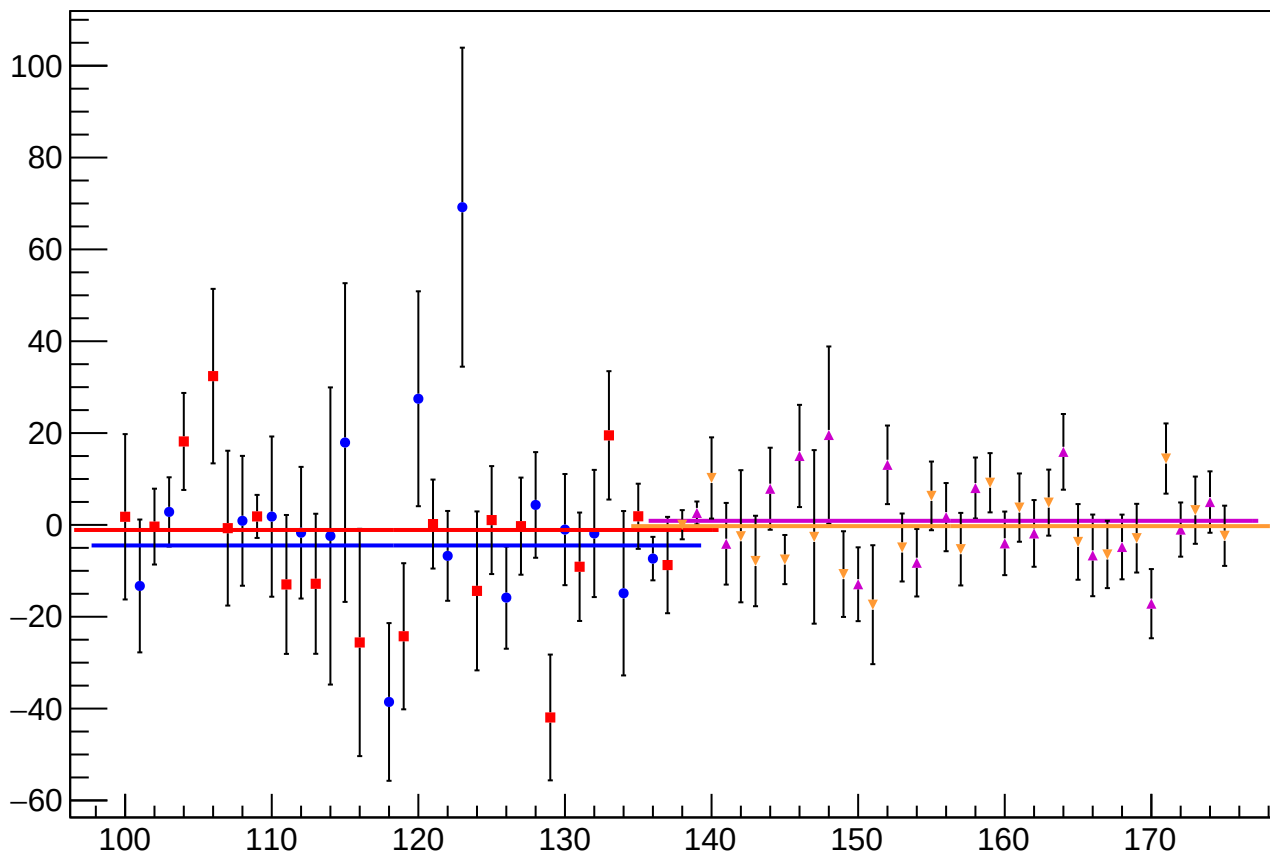
Right: 11605.084+/-2.229 χ^2/NDF : 329878.2/35

In: 11944.304+/-1.891 χ^2/NDF : 1322439.7/34

Out: 11826.800+/-1.805 χ^2/NDF : 1075964.4/38

All: 11882.832+/-1.306 χ^2/NDF : 2400424.8/77

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

Left Out: -0.267 $\pm$ 1.570 χ^2/NDF : 16.5/19

Right Out: -1.105 $\pm$ 2.429 χ^2/NDF : 24.0/18

Left In: 0.892 $\pm$ 1.505 χ^2/NDF : 23.2/17

Left: 0.337 $\pm$ 1.086 χ^2/NDF : 39.9/37

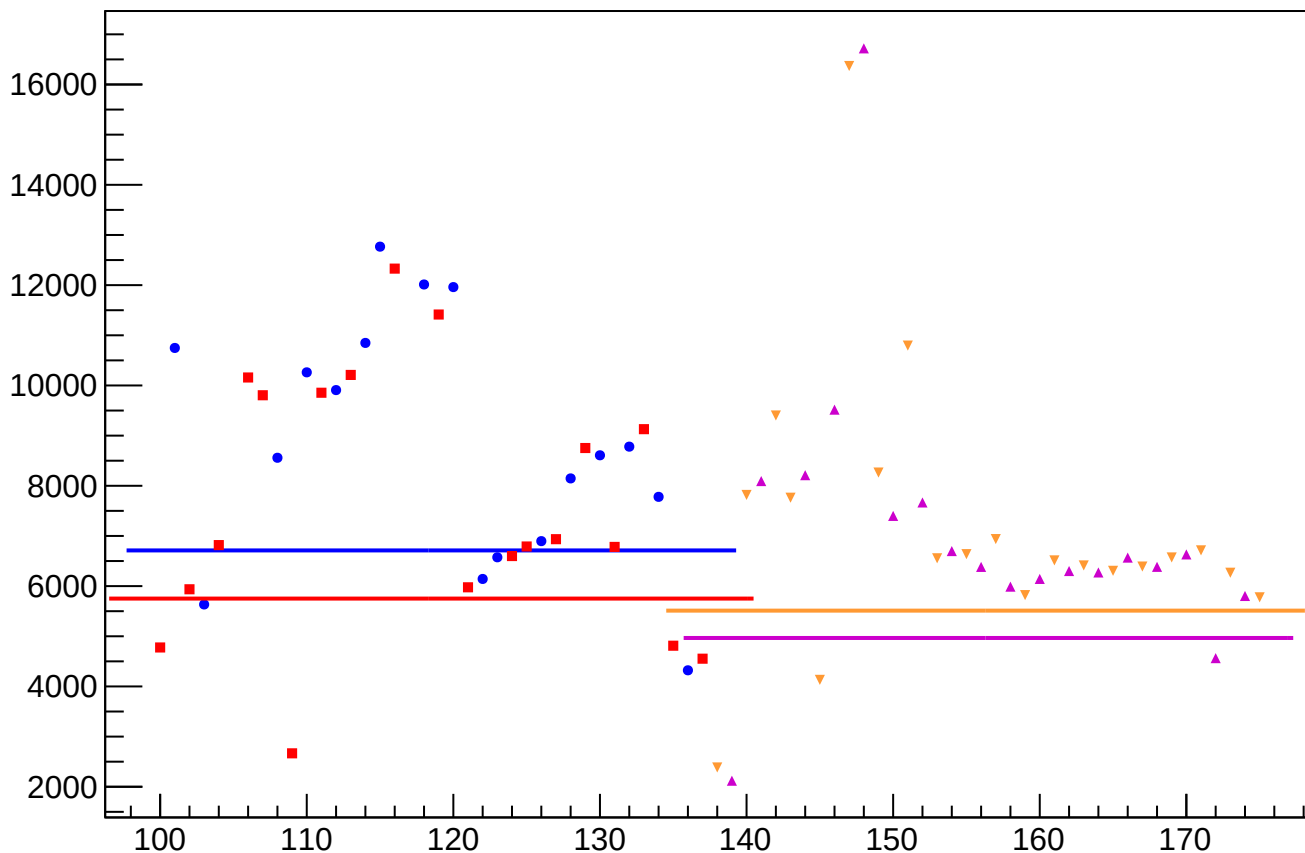
Right: -2.563 $\pm$ 1.830 χ^2/NDF : 39.7/35

In: -0.323 $\pm$ 1.324 χ^2/NDF : 40.9/34

Out: -0.513 $\pm$ 1.318 χ^2/NDF : 40.6/38

All: -0.419 $\pm$ 0.934 χ^2/NDF : 81.5/73

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550+/-1.967

χ^2/NDF : 1446972.0/16

Left Out: 5511.284+/-1.110

χ^2/NDF : 4006846.9/19

Right Out: 5751.505+/-1.718

χ^2/NDF : 2165110.0/18

Left In: 4966.095+/-1.064

χ^2/NDF : 5273058.2/17

Left: 5227.221+/-0.768

χ^2/NDF : 9405636.1/37

Right: 6166.836+/-1.294

χ^2/NDF : 3747249.5/35

In: 5361.271+/-0.936

χ^2/NDF : 7329207.9/34

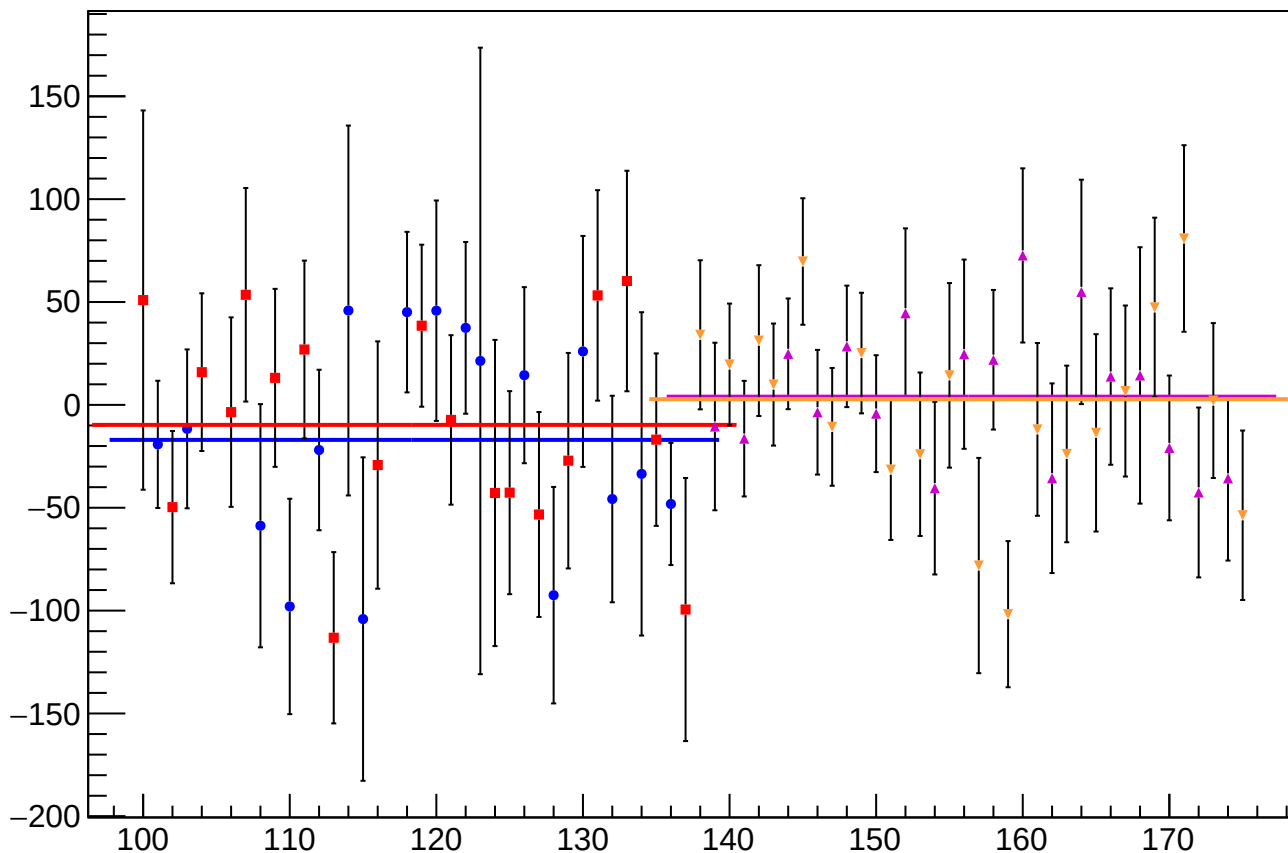
Out: 5582.043+/-0.932

χ^2/NDF : 6185756.7/38

All: 5472.100+/-0.660

χ^2/NDF : 13542898.4/71

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 $\pm$ 11.287 χ^2/NDF : 15.0/16

Left Out: 2.769 $\pm$ 8.220 χ^2/NDF : 26.4/19

Right Out: -9.719 $\pm$ 10.891 χ^2/NDF : 19.1/18

Left In: 3.994 $\pm$ 8.635 χ^2/NDF : 11.7/17

Left: 3.351 $\pm$ 5.954 χ^2/NDF : 38.1/37

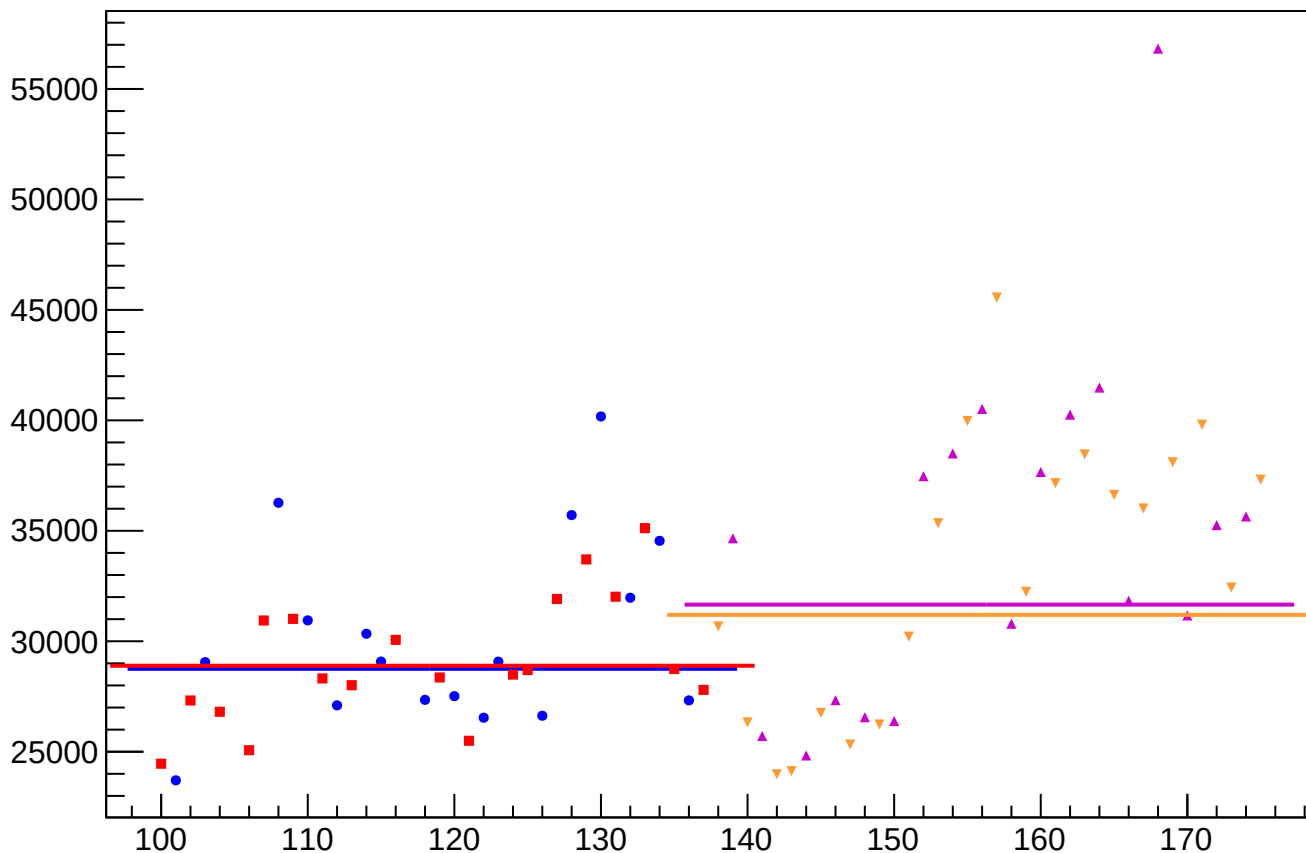
Right: -13.234 $\pm$ 7.837 χ^2/NDF : 34.3/35

In: -3.761 $\pm$ 6.858 χ^2/NDF : 28.9/34

Out: -1.764 $\pm$ 6.561 χ^2/NDF : 46.3/38

All: -2.718 $\pm$ 4.741 χ^2/NDF : 75.2/73

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787 $\pm$ 7.981 χ^2 /NDF: 249215.1/16

Left Out: 31194.819 $\pm$ 5.813 χ^2 /NDF: 999761.8/19

Right Out: 28892.154 $\pm$ 7.701 χ^2 /NDF: 111241.2/18

Left In: 31658.284 $\pm$ 6.106 χ^2 /NDF: 1103304.5/17

Left: 31415.142 $\pm$ 4.210 χ^2 /NDF: 2106088.6/37

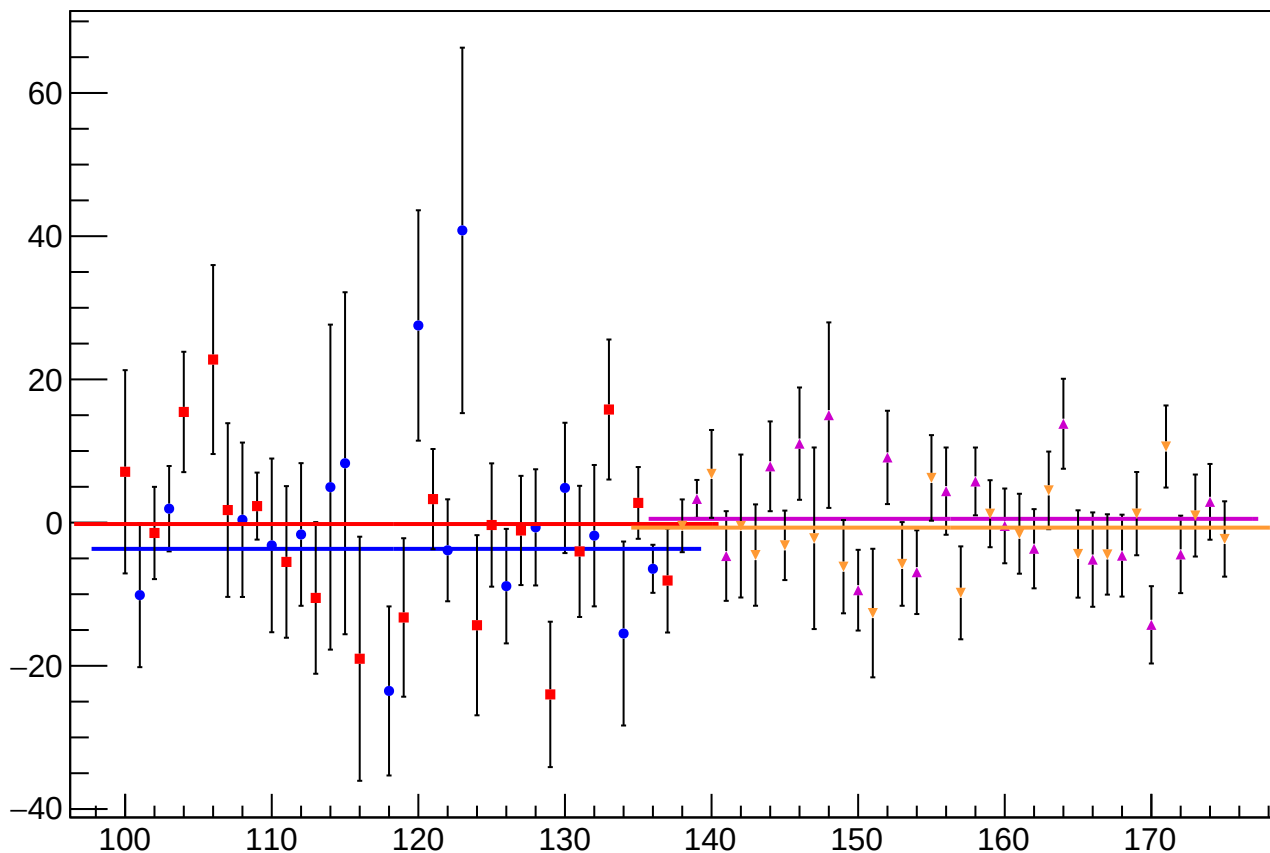
Right: 28825.443 $\pm$ 5.542 χ^2 /NDF: 360612.0/35

In: 30585.895 $\pm$ 4.850 χ^2 /NDF: 1436058.3/34

Out: 30359.088 $\pm$ 4.639 χ^2 /NDF: 1167961.6/38

All: 30467.468 $\pm$ 3.352 χ^2 /NDF: 2605161.9/77

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.702 ± 1.299 χ^2/NDF : 14.7/19

Right Out: -0.199 ± 1.893 χ^2/NDF : 22.3/18

Left In: 0.526 ± 1.266 χ^2/NDF : 29.5/17

Left: -0.072 ± 0.906 χ^2/NDF : 44.7/37

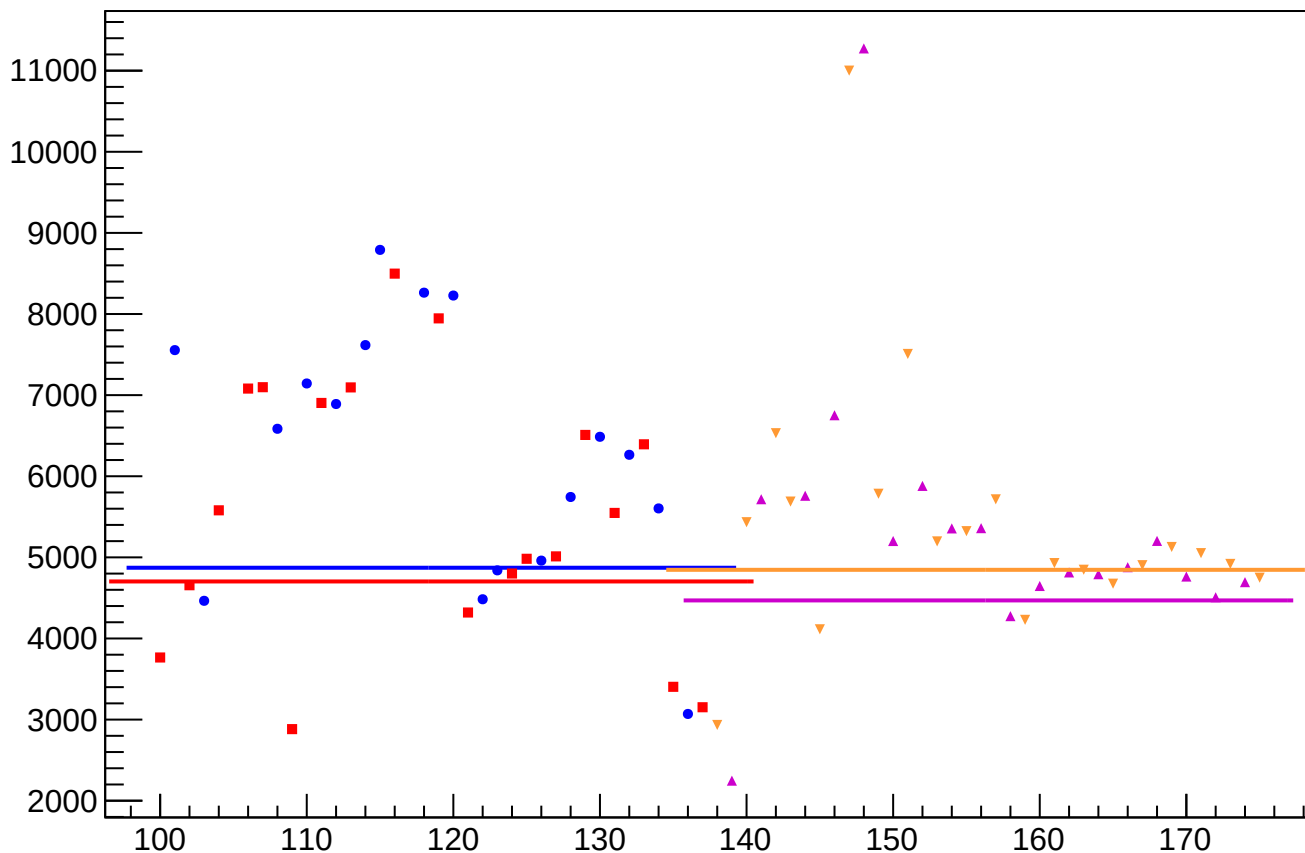
Right: -1.830 ± 1.378 χ^2/NDF : 38.4/35

In: -0.665 ± 1.071 χ^2/NDF : 47.1/34

Out: -0.541 ± 1.071 χ^2/NDF : 37.1/38

All: -0.603 ± 0.757 χ^2/NDF : 84.2/73

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 ± 1.421 $\chi^2/\text{NDF}: 1405253.2/16$

Left Out: 4846.396 ± 0.918 $\chi^2/\text{NDF}: 1477286.4/19$

Right Out: 4702.994 ± 1.338 $\chi^2/\text{NDF}: 1312720.8/18$

Left In: 4469.151 ± 0.895 $\chi^2/\text{NDF}: 2581005.7/17$

Left: 4652.934 ± 0.641 $\chi^2/\text{NDF}: 4144849.0/37$

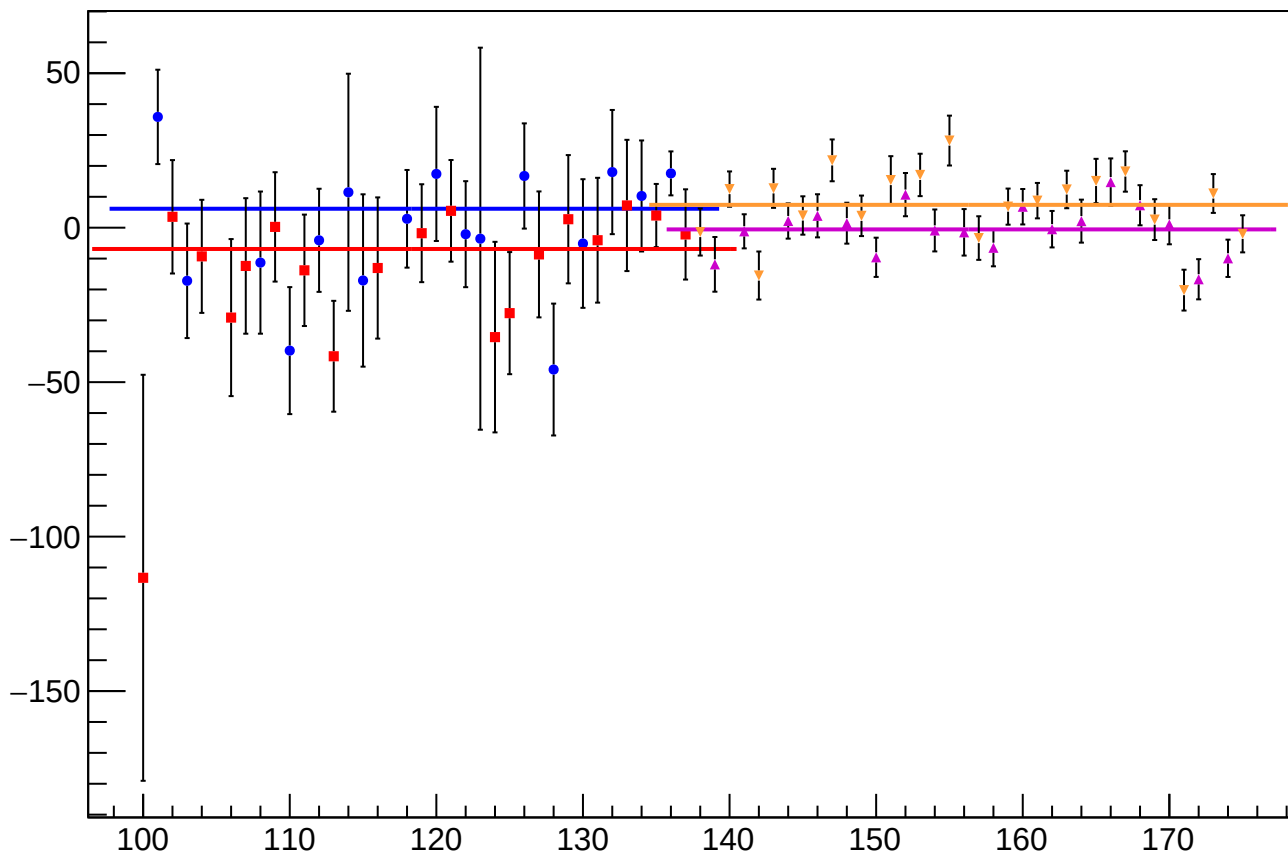
Right: 4782.480 ± 0.974 $\chi^2/\text{NDF}: 2725478.8/35$

In: 4583.582 ± 0.757 $\chi^2/\text{NDF}: 4043825.8/34$

Out: 4800.496 ± 0.757 $\chi^2/\text{NDF}: 2797813.5/38$

All: 4692.061 ± 0.535 $\chi^2/\text{NDF}: 6882667.4/73$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.393 ± 1.471 χ^2/NDF : 54.0/19

Right Out: -6.892 ± 4.224 χ^2/NDF : 12.5/18

Left In: -0.556 ± 1.529 χ^2/NDF : 23.8/17

Left: 3.574 ± 1.060 χ^2/NDF : 91.9/37

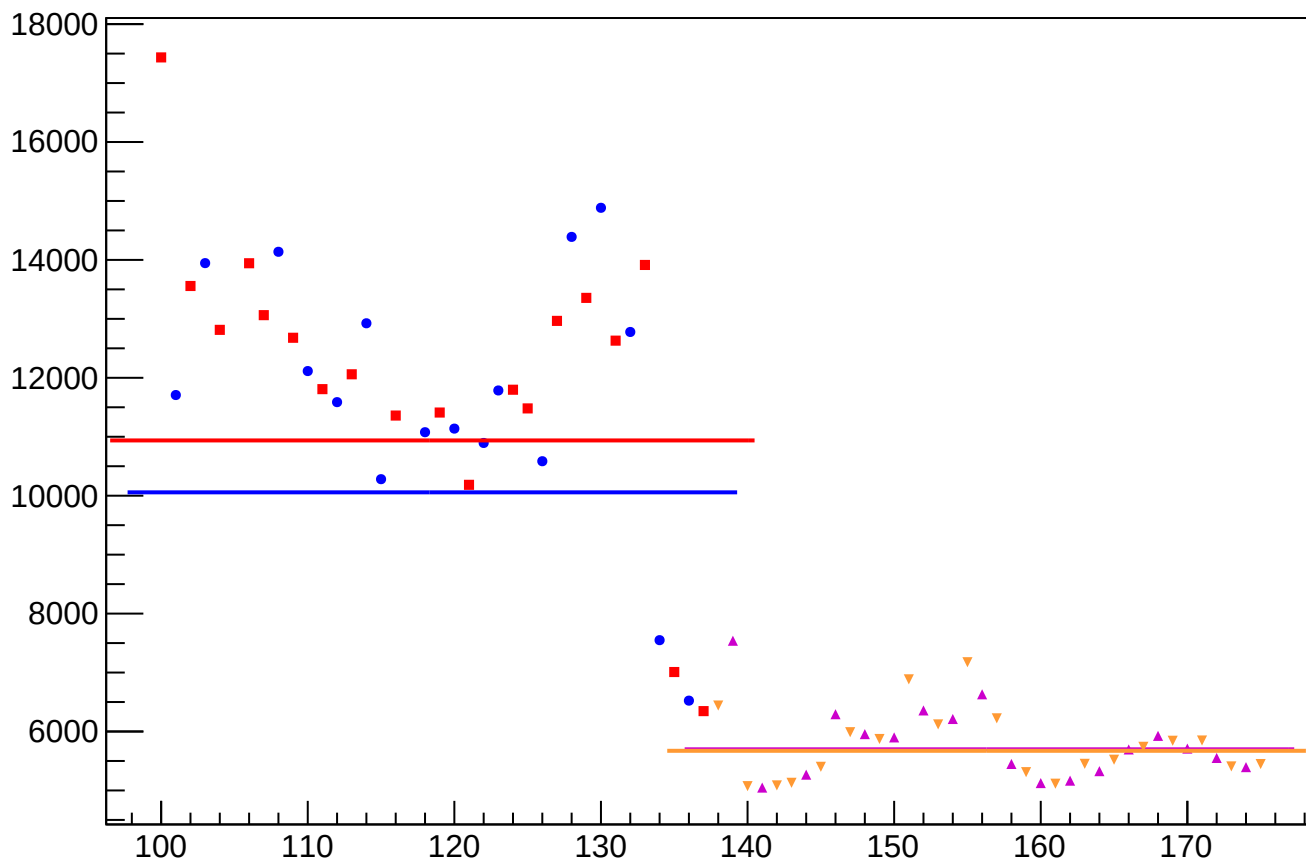
Right: -0.153 ± 2.935 χ^2/NDF : 39.6/35

In: 0.268 ± 1.432 χ^2/NDF : 48.4/34

Out: 5.849 ± 1.389 χ^2/NDF : 76.7/38

All: 3.144 ± 0.997 χ^2/NDF : 132.9/73

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5672.515 $\pm$ 1.040 χ^2/NDF :257142.3/19

Right Out: 10937.573 $\pm$ 2.987 χ^2/NDF : 762909.5/18

Left In: 5697.807 $\pm$ 1.081 χ^2/NDF :258933.6/17

Left: 5684.665 $\pm$ 0.750 χ^2/NDF : 516360.1/37

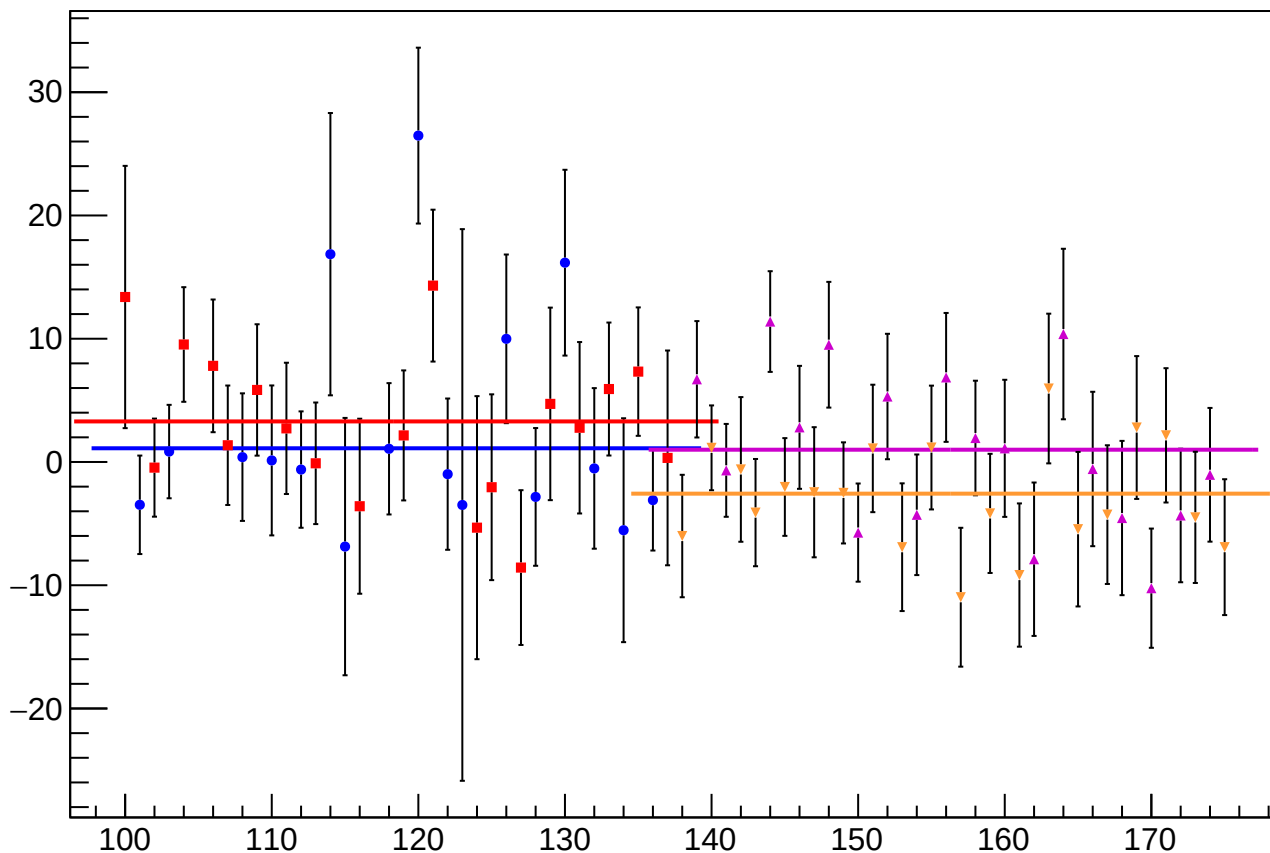
Right: 10481.996 $\pm$ 2.075 χ^2/NDF : 1810742.6/35

In: 6234.854 $\pm$ 1.013 χ^2/NDF :3263414.1/34

Out: 6241.598 $\pm$ 0.982 χ^2/NDF :3790998.3/38

All: 6238.330 $\pm$ 0.705 χ^2/NDF : 7054435.3/73

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -2.570 ± 1.118 $\chi^2/\text{NDF}: 11.9/19$

Right Out: 3.290 ± 1.334 $\chi^2/\text{NDF}: 15.1/18$

Left In: 0.996 ± 1.178 $\chi^2/\text{NDF}: 28.3/17$

Left: -0.879 ± 0.811 $\chi^2/\text{NDF}: 45.1/37$

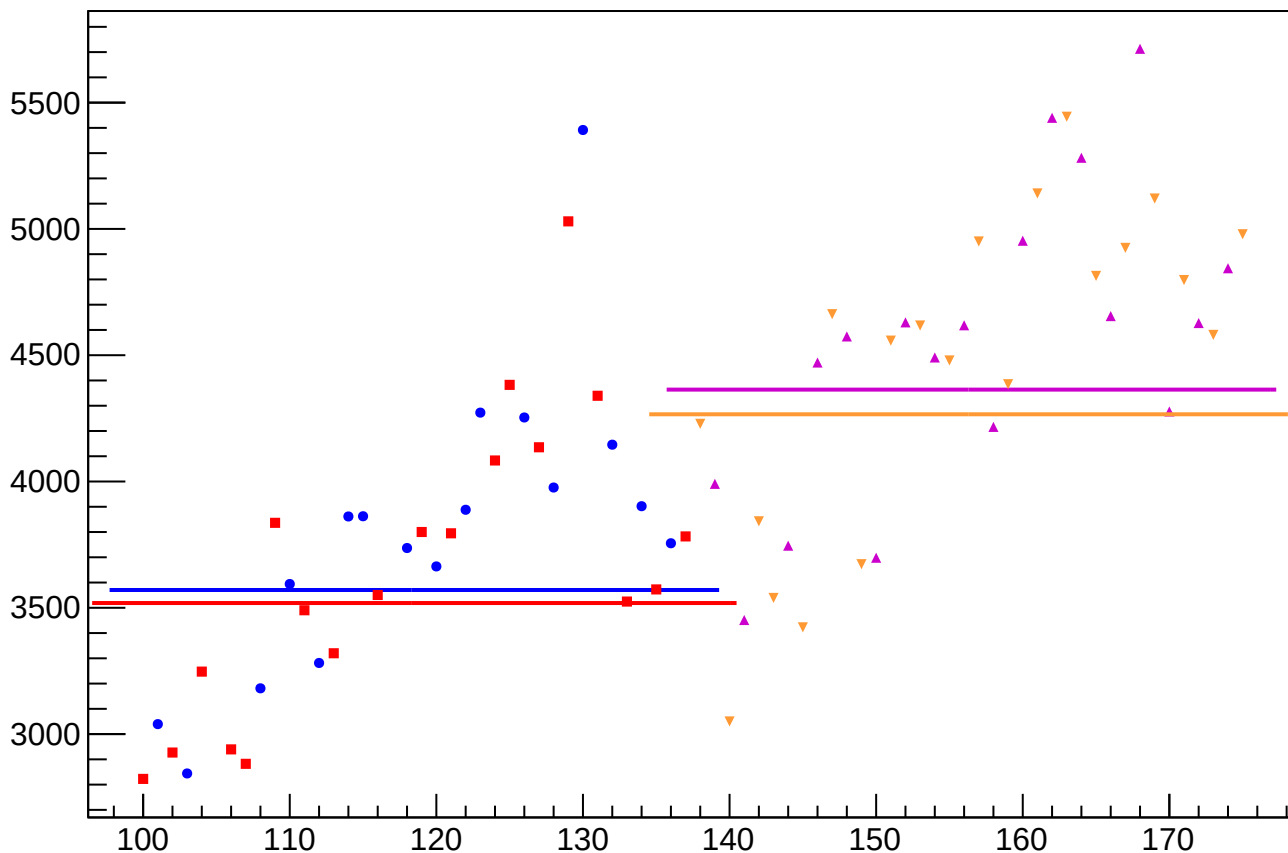
Right: 2.256 ± 0.967 $\chi^2/\text{NDF}: 40.9/35$

In: 1.044 ± 0.902 $\chi^2/\text{NDF}: 52.9/34$

Out: -0.151 ± 0.857 $\chi^2/\text{NDF}: 38.3/38$

All: 0.416 ± 0.621 $\chi^2/\text{NDF}: 92.2/73$

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4266.102+/-0.791 χ^2/NDF : 775851.8/19

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

Left In: 4363.811+/-0.833 χ^2/NDF : 485075.6/17

Left: 4312.425+/-0.573 χ^2/NDF : 1268167.9/37

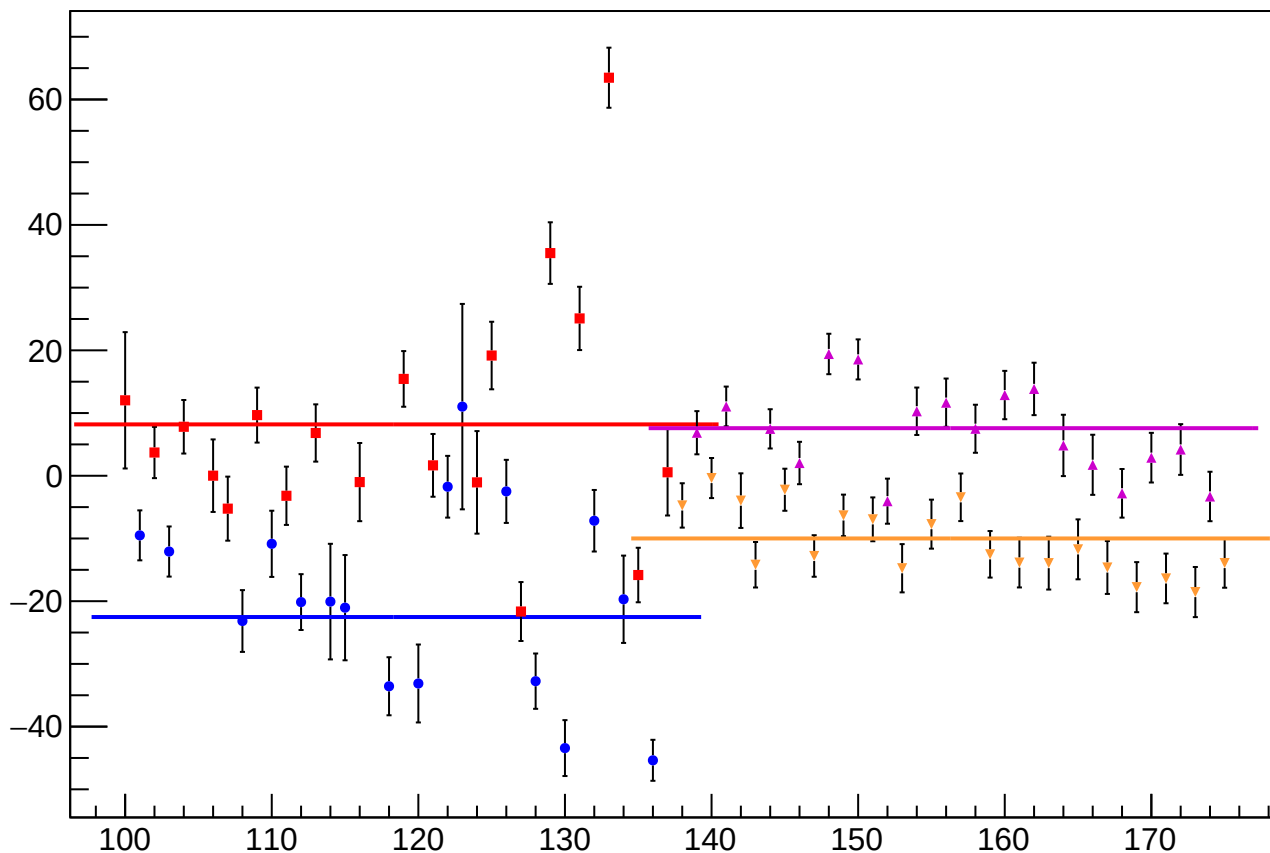
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 4035.851+/-0.638 χ^2/NDF : 1169983.3/34

Out: 3957.662+/-0.606 χ^2/NDF : 1437935.9/38

All: 3994.751+/-0.439 χ^2/NDF : 2615819.4/73

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -9.997 ± 0.843 χ^2/NDF : 43.0/19

Right Out: 8.192 ± 1.157 χ^2/NDF : 275.8/18

Left In: 7.587 ± 0.872 χ^2/NDF : 64.1/17

Left: -1.501 ± 0.606 χ^2/NDF : 317.6/37

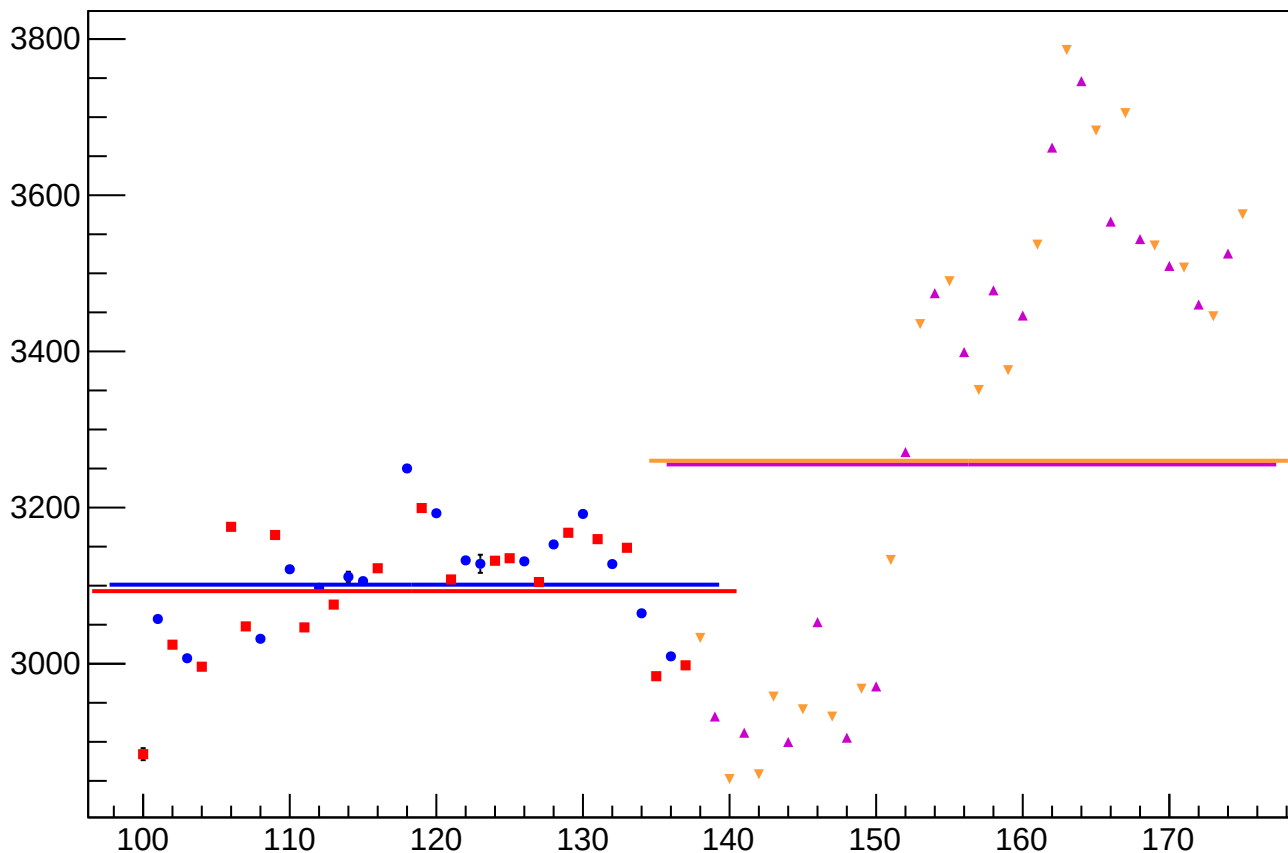
Right: -6.598 ± 0.833 χ^2/NDF : 770.8/35

In: -2.805 ± 0.705 χ^2/NDF : 631.7/34

Out: -3.692 ± 0.681 χ^2/NDF : 480.4/38

All: -3.264 ± 0.490 χ^2/NDF : 1112.9/73

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3259.995+/-0.596 χ^2/NDF : 254920.7/19

Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18

Left In: 3255.274+/-0.616 χ^2/NDF : 215932.8/17

Left: 3257.714+/-0.428 χ^2/NDF : 470883.8/37

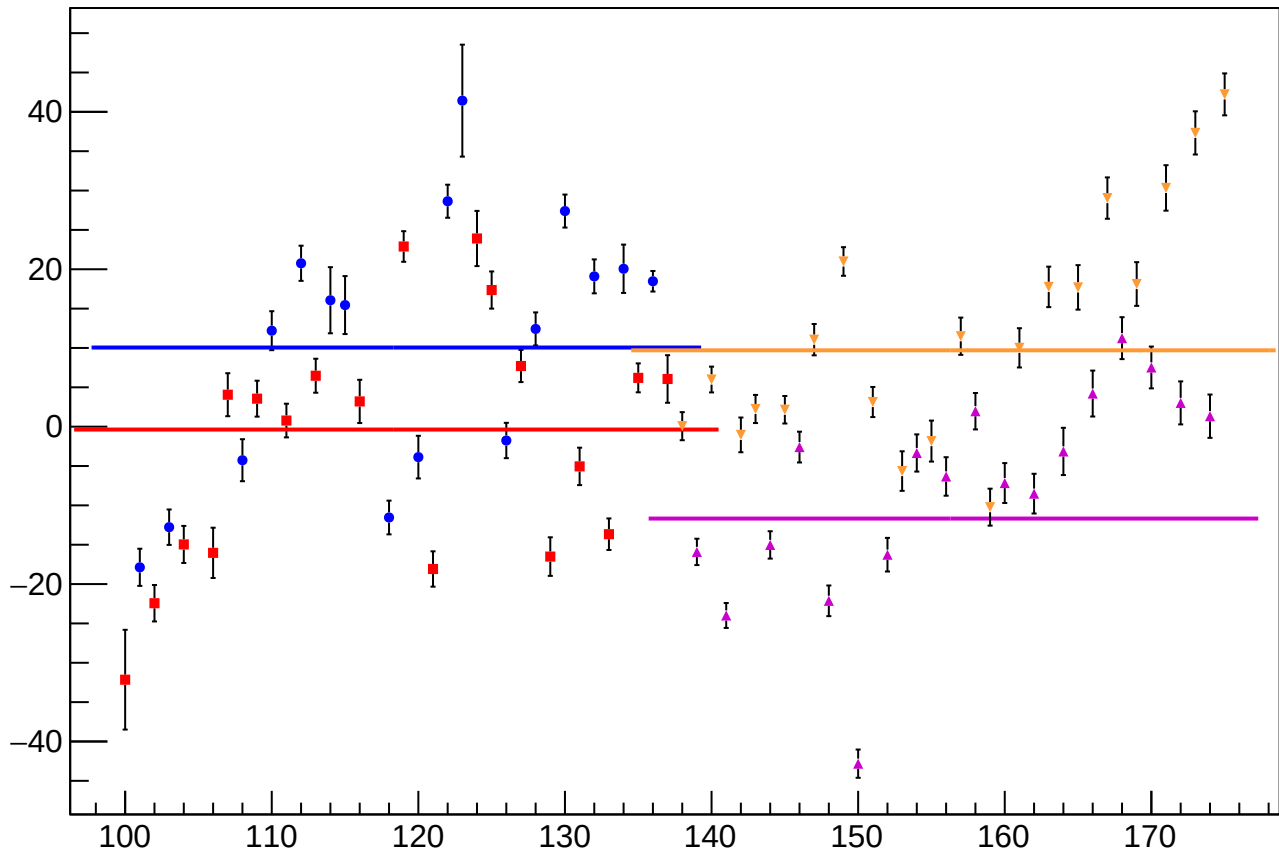
Right: 3096.979+/-0.589 χ^2/NDF : 15049.1/35

In: 3202.124+/-0.499 χ^2/NDF : 244719.4/34

Out: 3202.110+/-0.482 χ^2/NDF : 289917.1/38

All: 3202.116+/-0.346 χ^2/NDF : 534636.5/73

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 $\chi^2/\text{NDF}: 692.2/16$

Left Out: 9.701 ± 0.492 $\chi^2/\text{NDF}: 656.8/19$

Right Out: -0.367 ± 0.547 $\chi^2/\text{NDF}: 629.8/18$

Left In: -11.676 ± 0.516 $\chi^2/\text{NDF}: 698.2/17$

Left: -0.488 ± 0.356 $\chi^2/\text{NDF}: 2254.9/37$

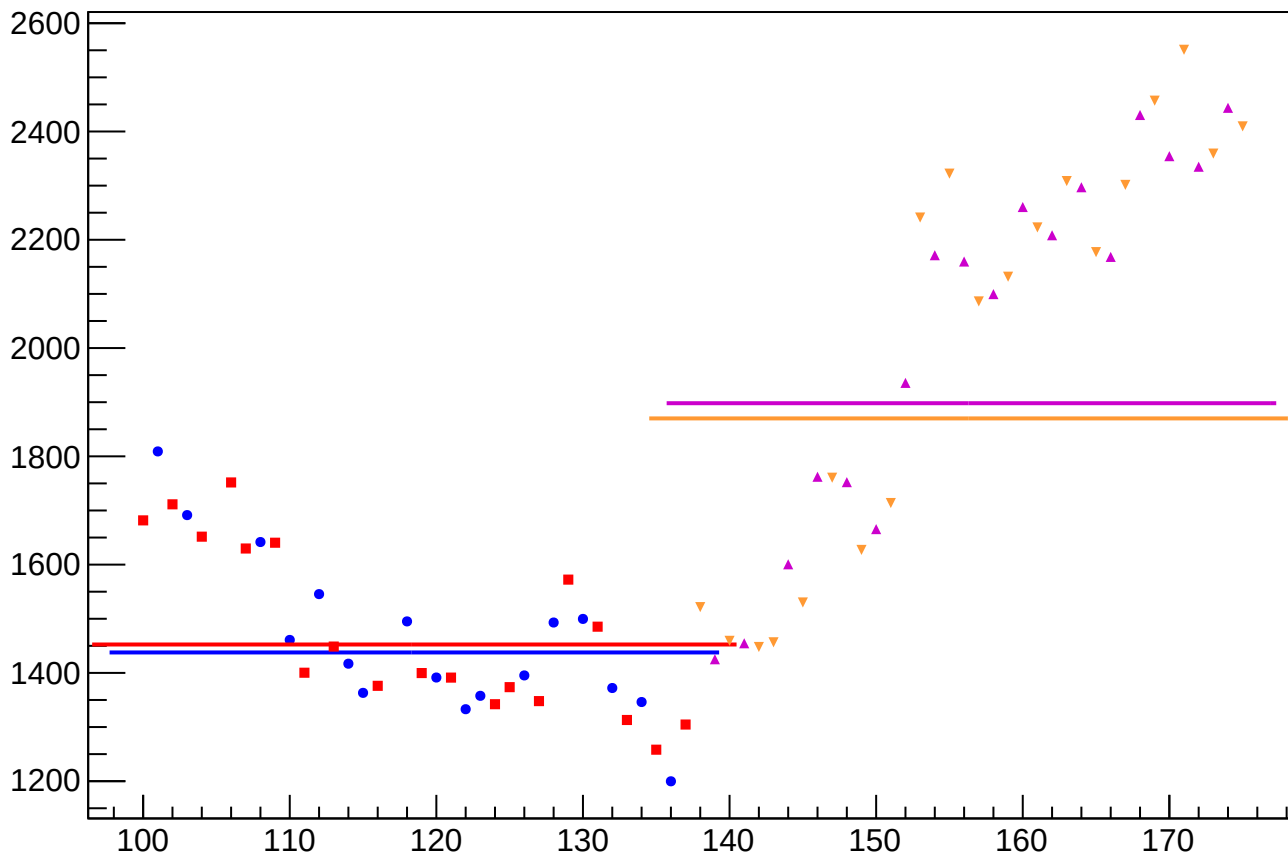
Right: 4.707 ± 0.392 $\chi^2/\text{NDF}: 1498.8/35$

In: -1.739 ± 0.380 $\chi^2/\text{NDF}: 2202.9/34$

Out: 5.199 ± 0.366 $\chi^2/\text{NDF}: 1473.9/38$

All: 1.860 ± 0.263 $\chi^2/\text{NDF}: 3849.9/73$

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1870.050 $\pm$ 0.348 χ^2 /NDF: 1180074.3/19

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

Left In: 1898.131 $\pm$ 0.365 χ^2 /NDF: 886676.9/17

Left: 1883.433 $\pm$ 0.252 χ^2 /NDF: 2069856.7/37

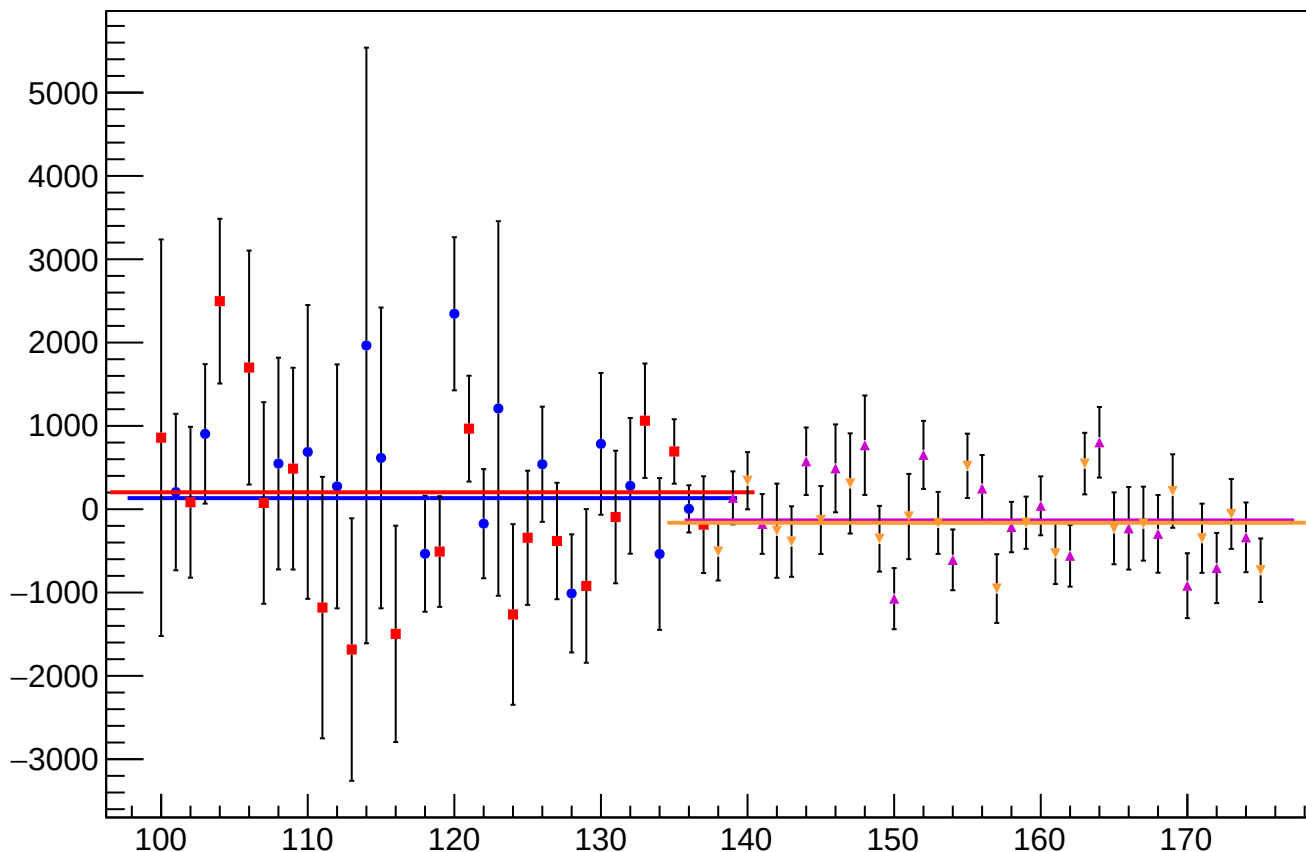
Right: 1445.316 $\pm$ 0.277 χ^2 /NDF: 312524.3/35

In: 1687.614 $\pm$ 0.269 χ^2 /NDF: 1789104.8/34

Out: 1683.327 $\pm$ 0.259 χ^2 /NDF: 1962995.8/38

All: 1685.390 $\pm$ 0.186 χ^2 /NDF: 3752232.8/73

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -162.687 $\pm$ 90.100 χ^2 /NDF:19.1/19

Right Out: 203.062 $\pm$ 184.353 χ^2 /NDF: 21.4/18

Left In: -134.539 $\pm$ 92.958 χ^2 /NDF:33.2/17

Left: -149.052 $\pm$ 64.697 χ^2 /NDF: 52.3/37

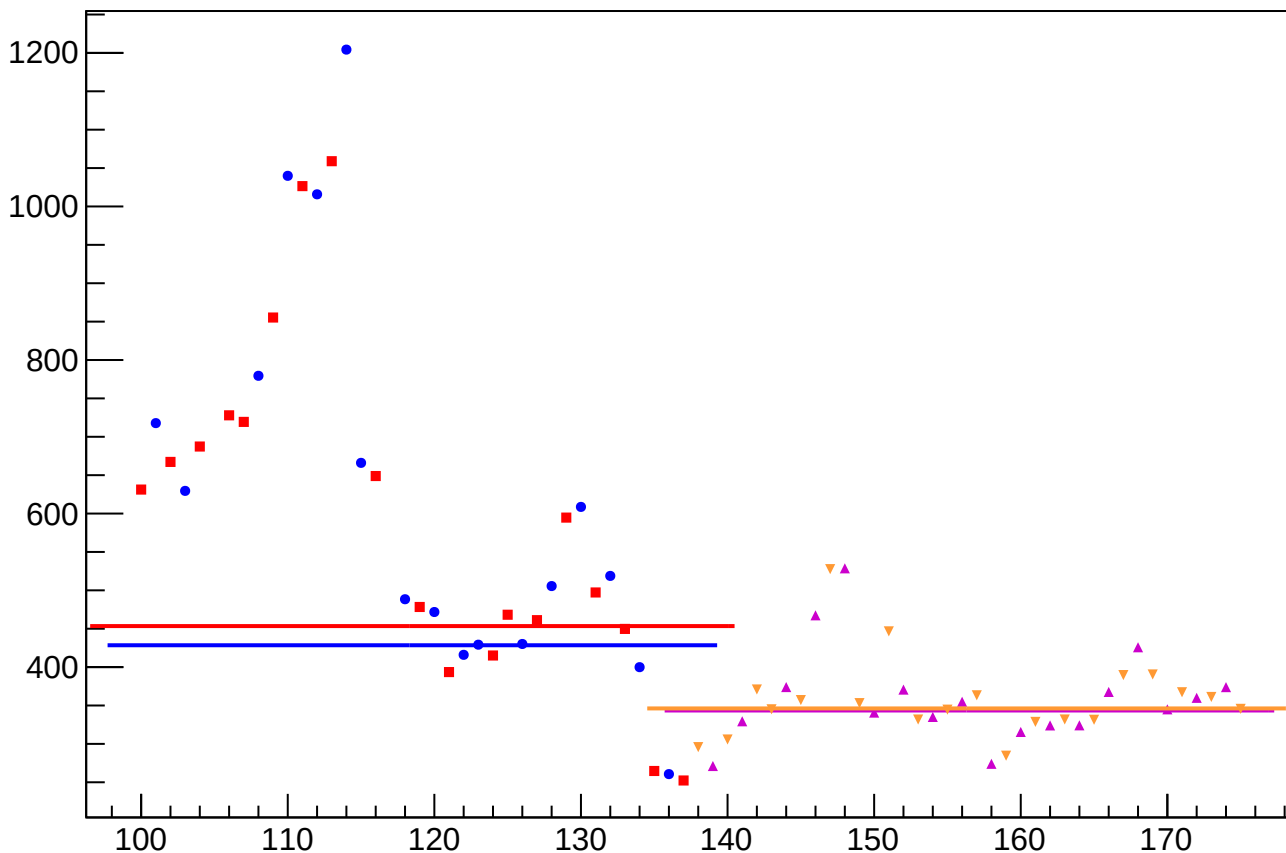
Right: 167.206 $\pm$ 128.890 χ^2 /NDF: 34.4/35

In: -78.358 $\pm$ 82.621 χ^2 /NDF:47.8/34

Out: -92.167 $\pm$ 80.950 χ^2 /NDF:43.7/38

All: -85.404 $\pm$ 57.822 χ^2 /NDF: 91.5/73

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 346.179 $\pm$ 0.064 χ^2 /NDF: 475732.8/19

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

Left In: 343.494 $\pm$ 0.066 χ^2 /NDF: 640822.6/17

Left: 344.879 $\pm$ 0.046 χ^2 /NDF: 1117415.7/37

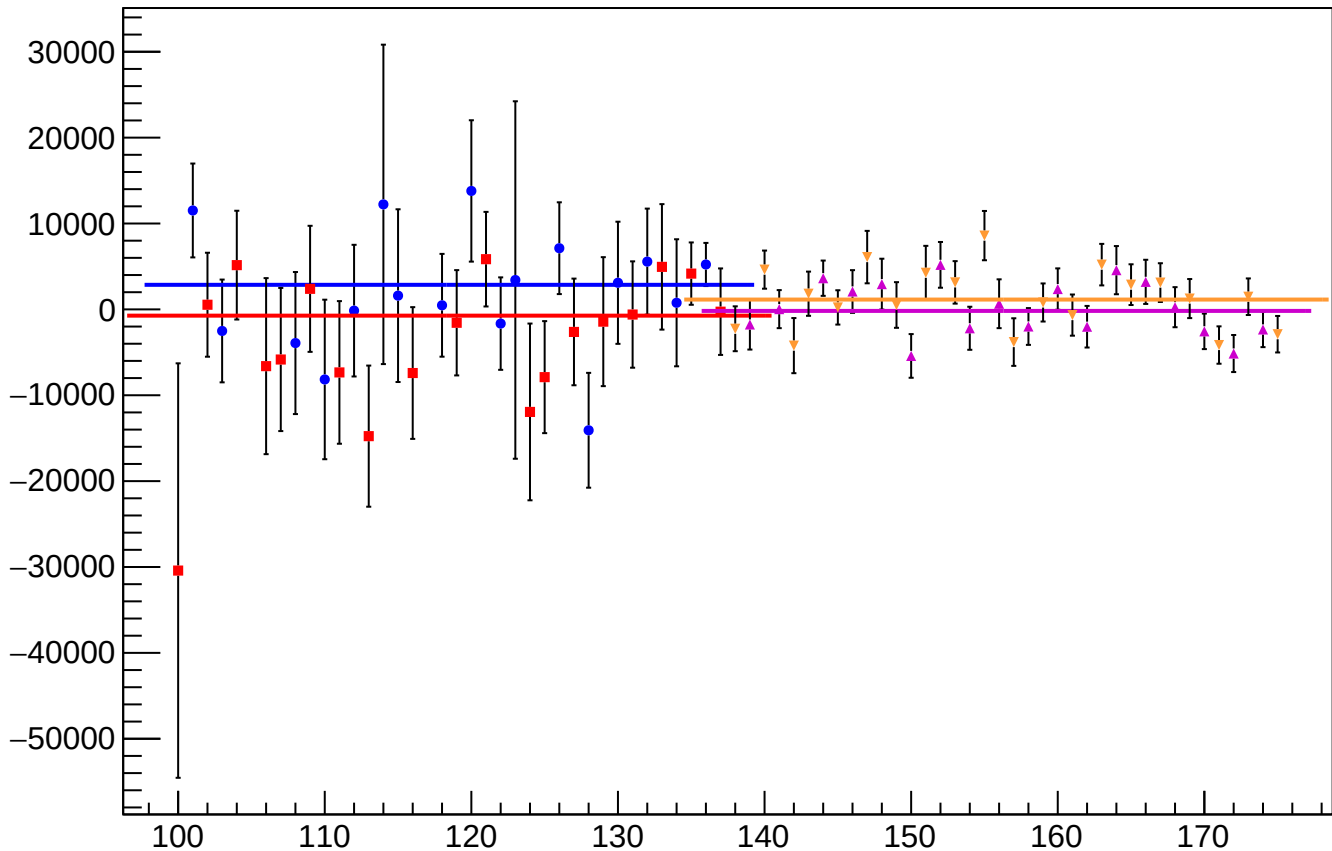
Right: 440.668 $\pm$ 0.091 χ^2 /NDF: 4060031.3/35

In: 361.341 $\pm$ 0.058 χ^2 /NDF: 3003245.7/34

Out: 366.859 $\pm$ 0.057 χ^2 /NDF: 3051995.4/38

All: 364.157 $\pm$ 0.041 χ^2 /NDF: 6059792.4/73

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2/NDF : 16.7/16

Left Out: 1143.622 $\pm$ 543.765 χ^2/NDF : 35.8/19

Right Out: -729.571 $\pm$ 1509.224 χ^2/NDF : 14.0/18

Left In: -178.331 $\pm$ 566.132 χ^2/NDF : 29.5/17

Left: 509.275 $\pm$ 392.169 χ^2/NDF : 68.1/37

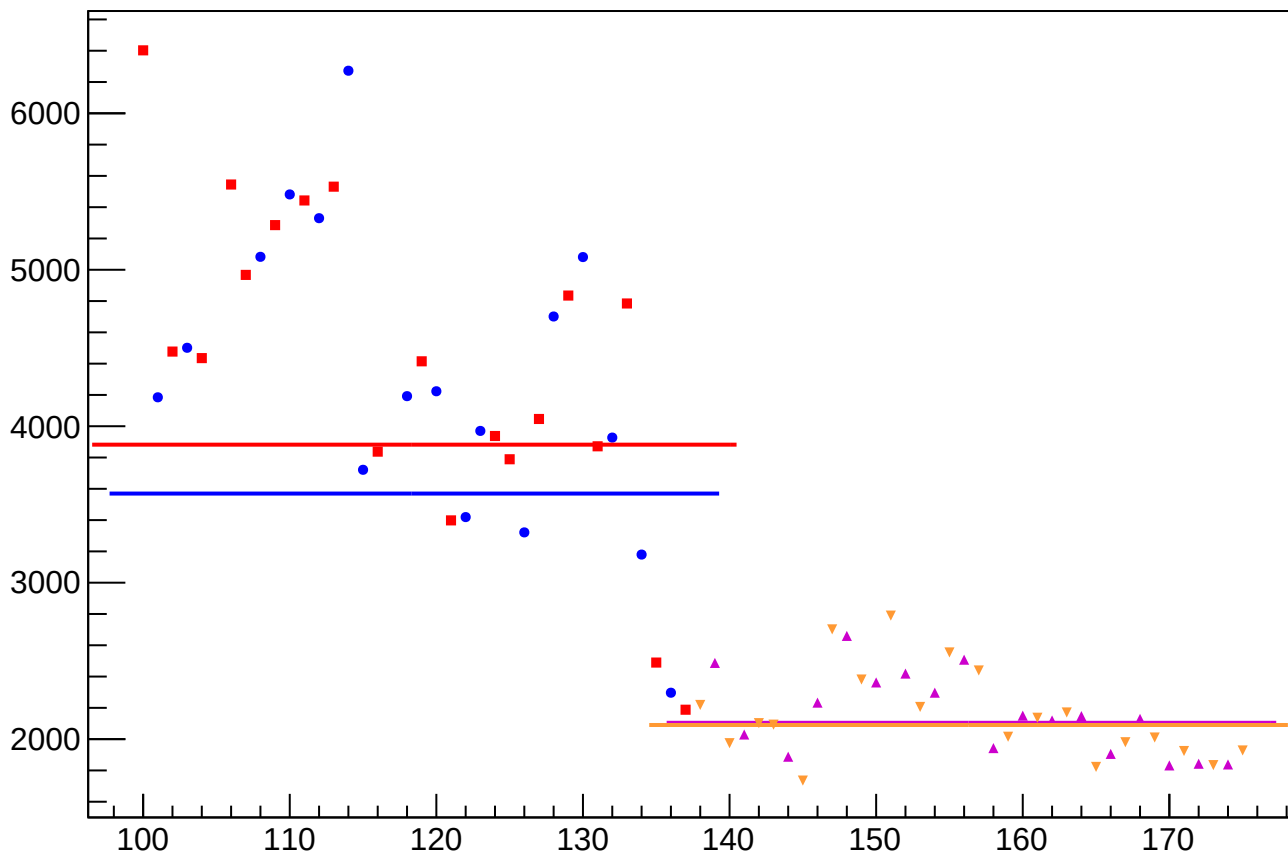
Right: 1139.446 $\pm$ 1044.821 χ^2/NDF : 33.6/35

In: 224.537 $\pm$ 527.259 χ^2/NDF : 49.9/34

Out: 928.398 $\pm$ 511.573 χ^2/NDF : 51.1/38

All: 587.093 $\pm$ 367.157 χ^2/NDF : 102.0/73

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2090.478+/-0.384 χ^2/NDF : 455523.3/19

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

Left In: 2104.456+/-0.400 χ^2/NDF : 357702.0/17

Left: 2097.185+/-0.277 χ^2/NDF : 813859.5/37

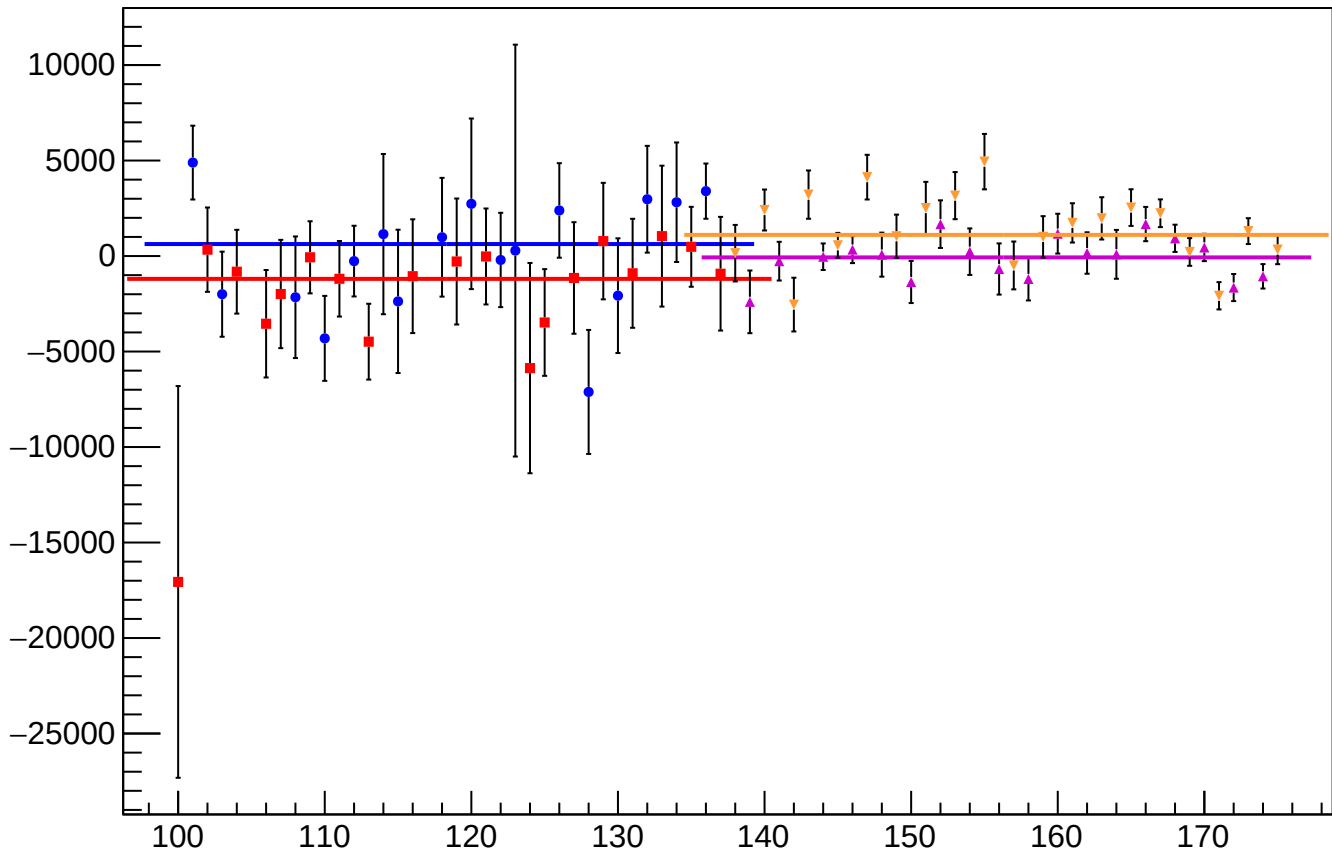
Right: 3719.420+/-0.739 χ^2/NDF : 2115685.3/35

In: 2298.755+/-0.373 χ^2/NDF : 3222098.0/34

Out: 2296.337+/-0.362 χ^2/NDF : 3933450.0/38

All: 2297.510+/-0.260 χ^2/NDF : 7155569.6/73

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1107.919 ± 213.295 χ^2/NDF : 59.4/19

Right Out: -1195.385 ± 603.058 χ^2/NDF : 9.9/18

Left In: -71.048 ± 215.053 χ^2/NDF : 22.1/17

Left: 523.272 ± 151.440 χ^2/NDF : 96.7/37

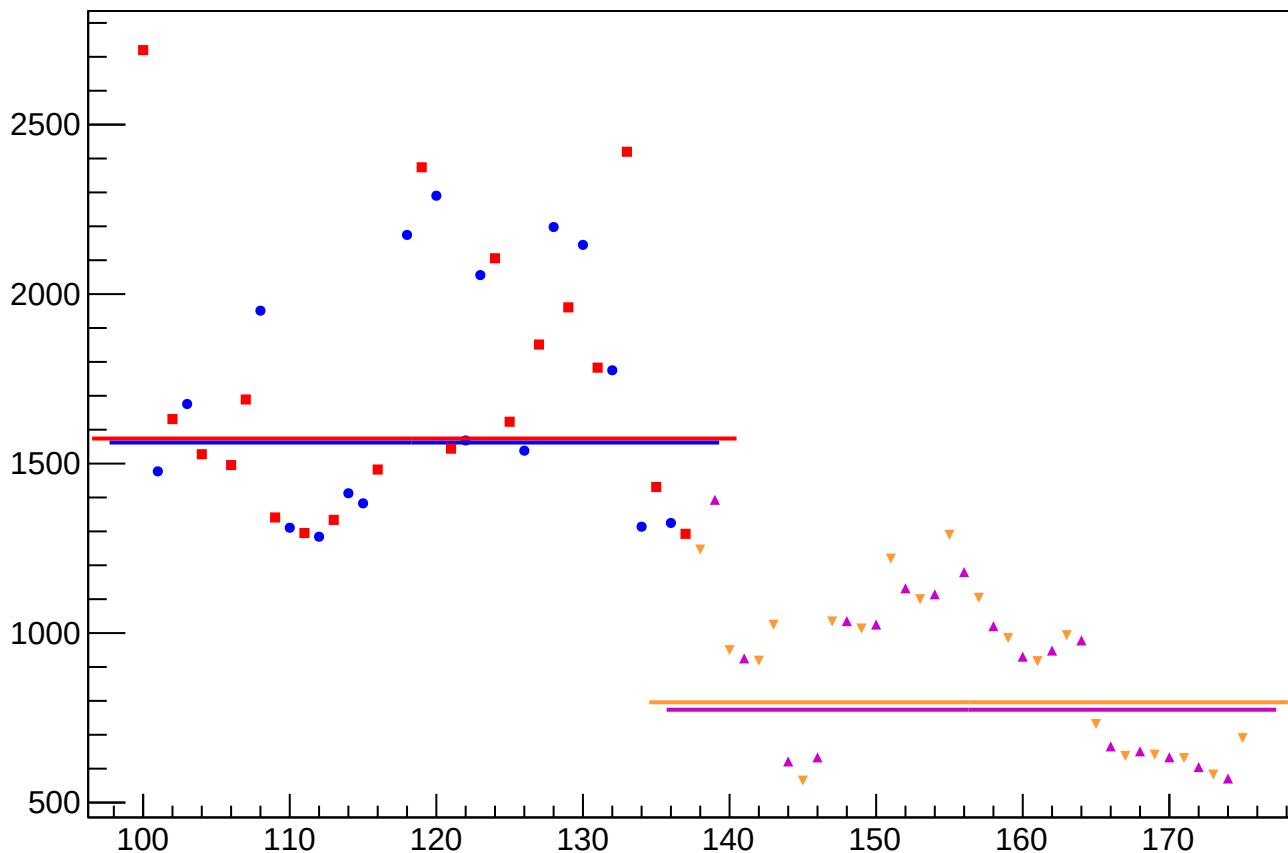
Right: -310.478 ± 432.606 χ^2/NDF : 39.4/35

In: 3.786 ± 203.210 χ^2/NDF : 48.3/34

Out: 851.820 ± 201.088 χ^2/NDF : 82.3/38

All: 432.254 ± 142.935 χ^2/NDF : 139.4/73

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 795.872 $\pm$ 0.151 χ^2 /NDF: 2072675.7/19

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

Left In: 773.894 $\pm$ 0.152 χ^2 /NDF: 1940628.9/17

Left: 784.973 $\pm$ 0.107 χ^2 /NDF: 4023834.9/37

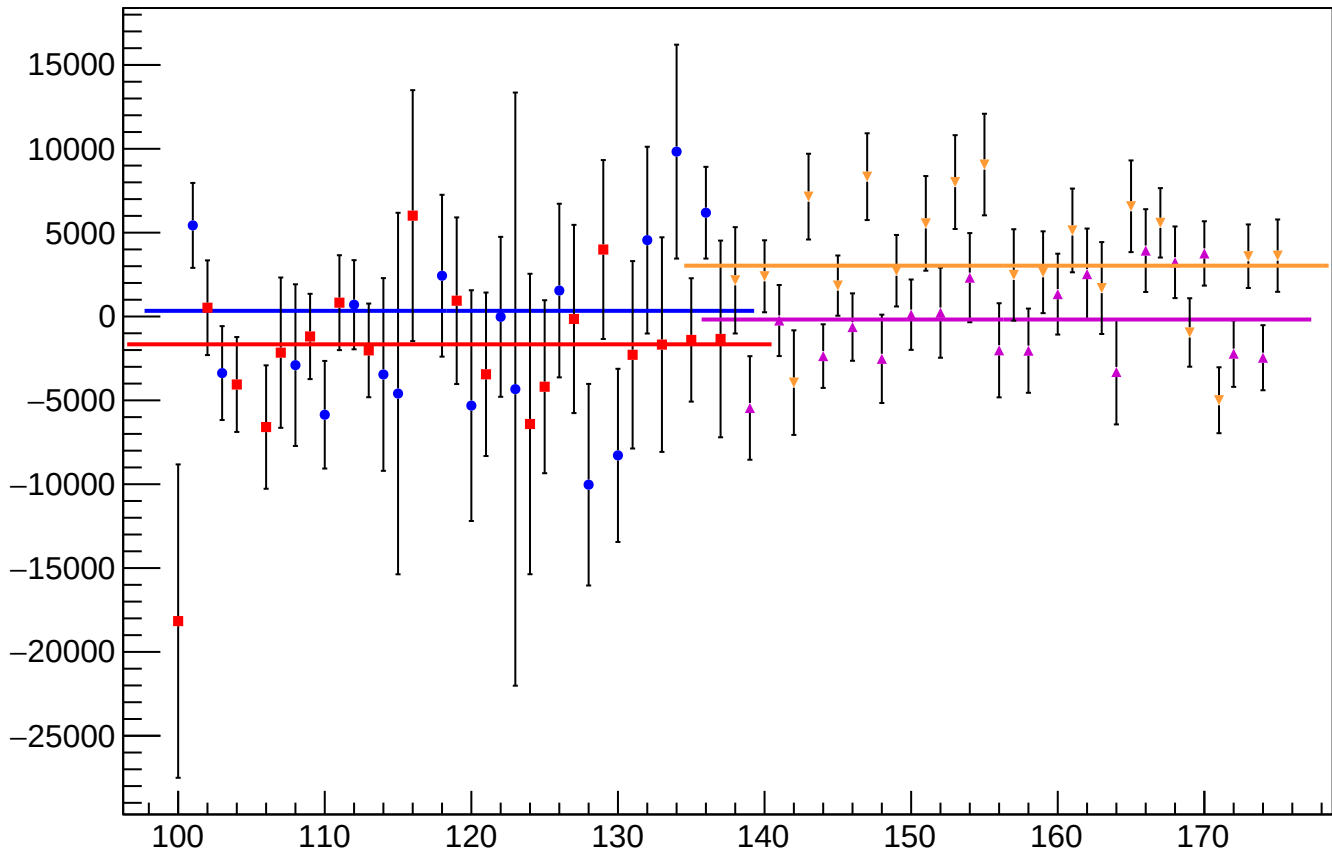
Right: 1568.176 $\pm$ 0.306 χ^2 /NDF: 946451.6/35

In: 858.314 $\pm$ 0.144 χ^2 /NDF: 5300299.8/34

Out: 882.379 $\pm$ 0.142 χ^2 /NDF: 5495497.7/38

All: 870.473 $\pm$ 0.101 χ^2 /NDF: 10809969.3/73

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 3031.559 $\pm$ 529.250 χ^2 /NDF:45.2/19

Right Out: -1658.069 $\pm$ 924.453 χ^2 /NDF: 10.3/18

Left In: -178.715 $\pm$ 544.300 χ^2 /NDF:21.4/17

Left: 1471.420 $\pm$ 379.445 χ^2 /NDF: 84.4/37

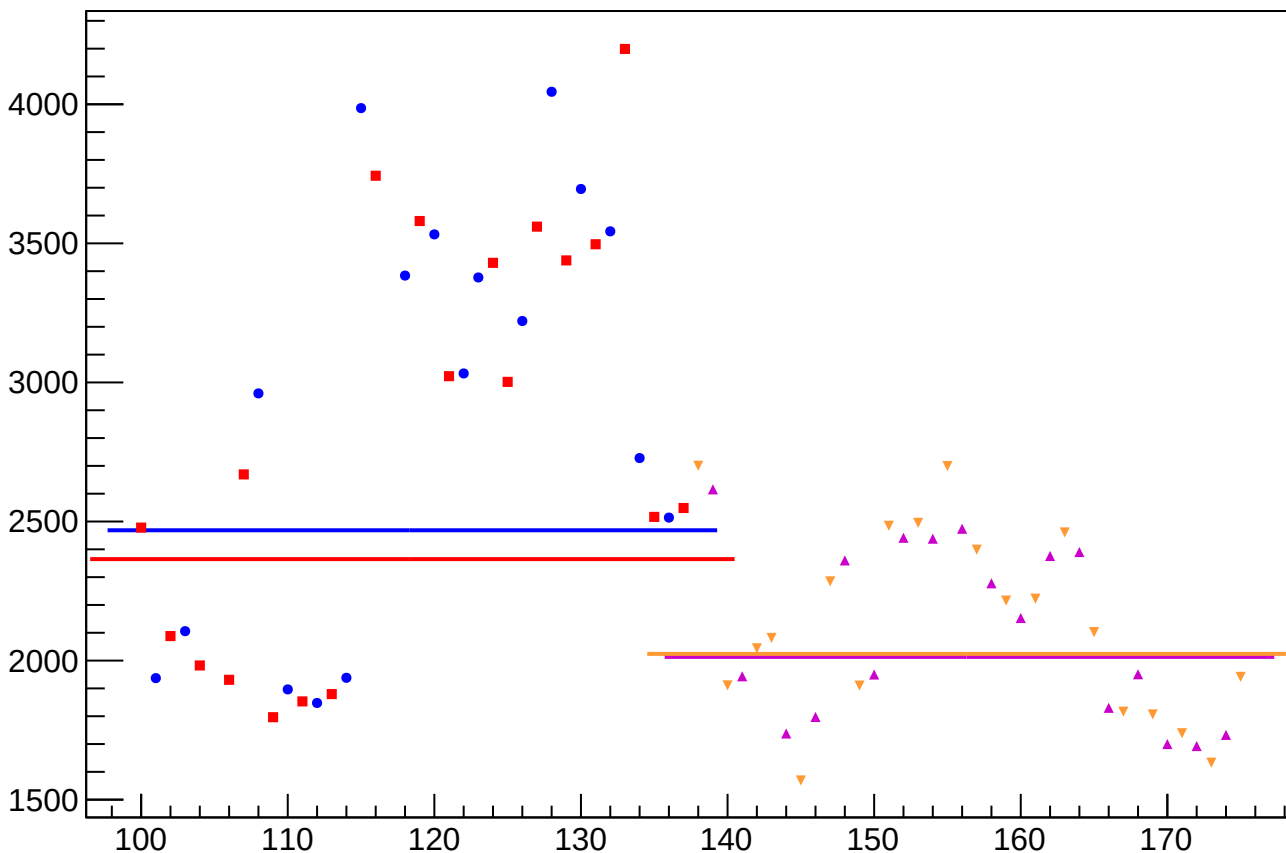
Right: -734.084 $\pm$ 677.520 χ^2 /NDF: 37.2/35

In: -59.831 $\pm$ 477.614 χ^2 /NDF:46.3/34

Out: 1873.925 $\pm$ 459.305 χ^2 /NDF:74.8/38

All: 944.821 $\pm$ 331.061 χ^2 /NDF: 129.7/73

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2024.076 $\pm$ 0.374 χ^2 /NDF: 749925.7/19

Right Out: 2364.833 $\pm$ 0.654 χ^2 /NDF: 1025161.0/18

Left In: 2013.316 $\pm$ 0.385 χ^2 /NDF: 589705.4/17

Left: 2018.847 $\pm$ 0.268 χ^2 /NDF: 1340032.8/37

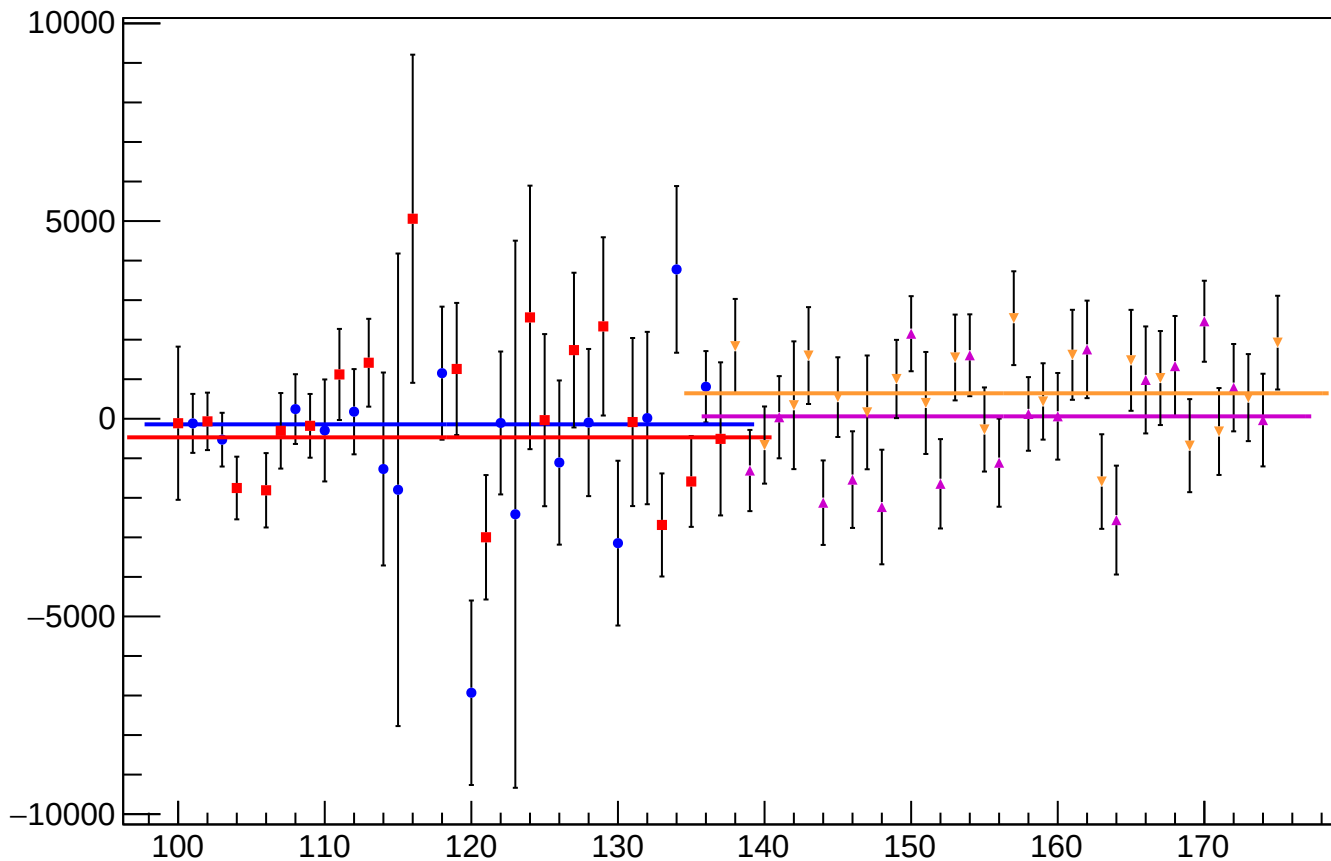
Right: 2412.813 $\pm$ 0.479 χ^2 /NDF: 1932953.4/35

In: 2118.017 $\pm$ 0.338 χ^2 /NDF: 1807580.0/34

Out: 2108.192 $\pm$ 0.325 χ^2 /NDF: 1979746.6/38

All: 2112.912 $\pm$ 0.234 χ^2 /NDF: 3787766.3/73

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 ± 313.319 χ^2/NDF : 16.9/16

Left Out: 643.942 ± 255.807 χ^2/NDF : 15.7/19

Right Out: -470.143 ± 282.892 χ^2/NDF : 22.9/18

Left In: 60.624 ± 263.842 χ^2/NDF : 33.6/17

Left: 361.300 ± 183.658 χ^2/NDF : 51.8/37

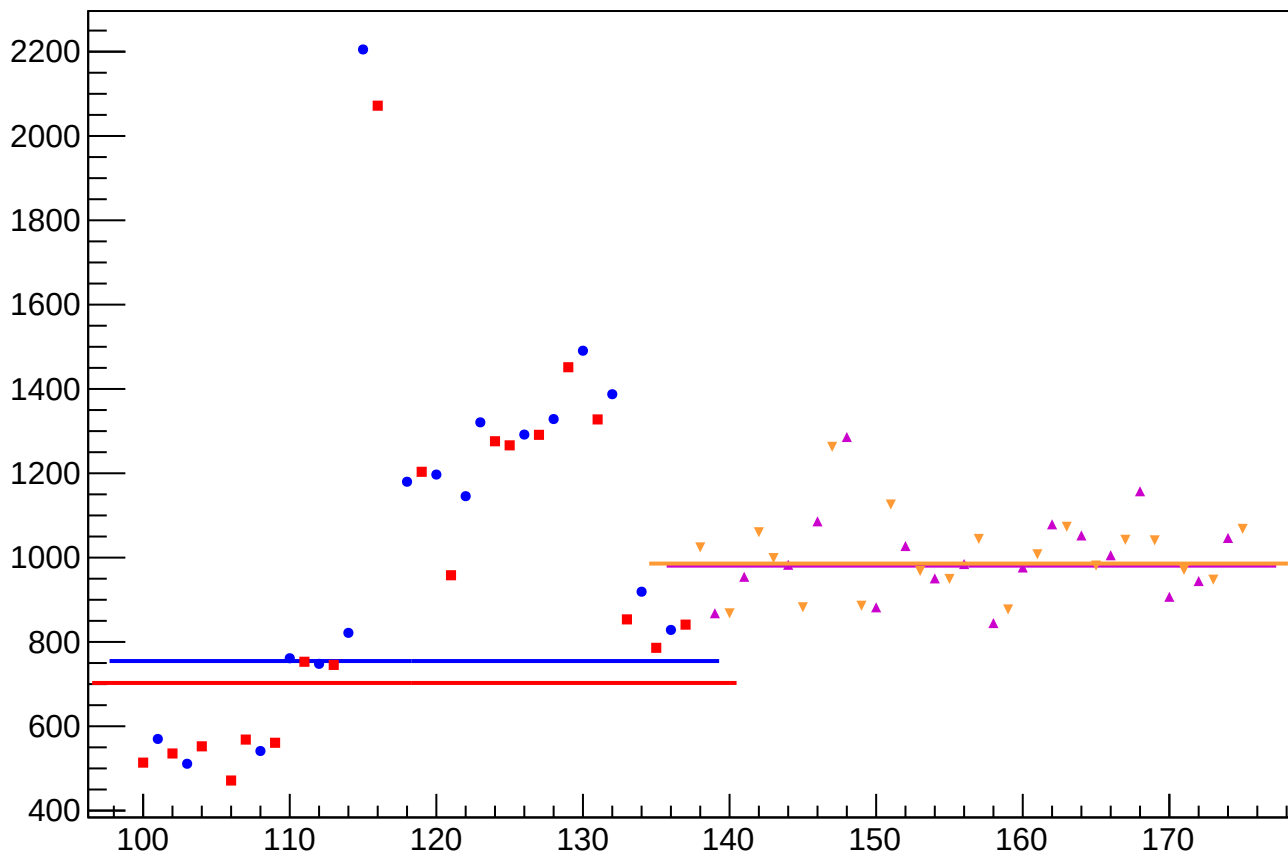
Right: -322.421 ± 209.970 χ^2/NDF : 40.5/35

In: -23.118 ± 201.818 χ^2/NDF : 50.8/34

Out: 142.773 ± 189.738 χ^2/NDF : 47.2/38

All: 64.940 ± 138.238 χ^2/NDF : 98.3/73

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 985.890 $\pm$ 0.181 χ^2 /NDF: 240851.0/19

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

Left In: 980.973 $\pm$ 0.187 χ^2 /NDF: 274822.4/17

Left: 983.508 $\pm$ 0.130 χ^2 /NDF: 516031.4/37

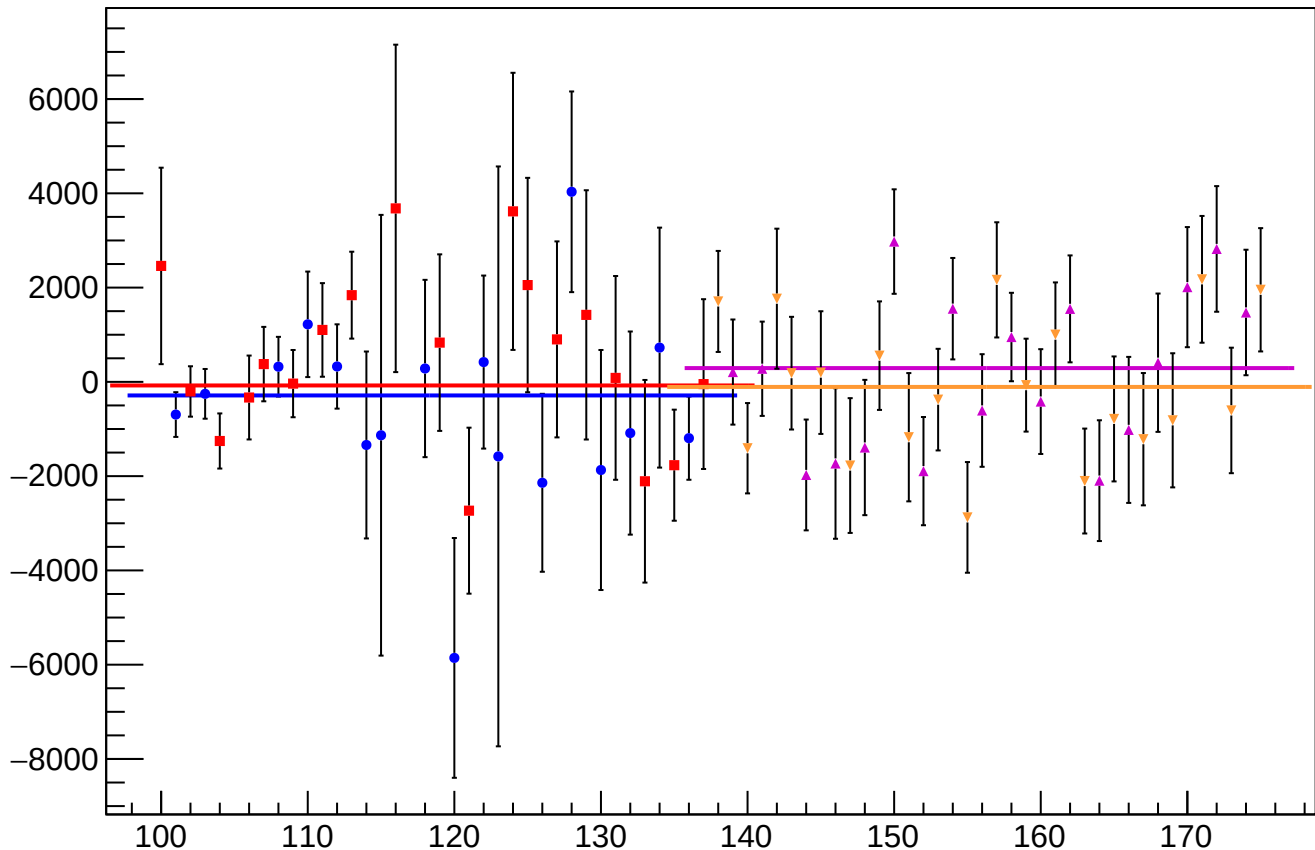
Right: 726.058 $\pm$ 0.148 χ^2 /NDF: 3412528.8/35

In: 887.085 $\pm$ 0.143 χ^2 /NDF: 2575845.0/34

Out: 858.507 $\pm$ 0.134 χ^2 /NDF: 3034911.1/38

All: 871.916 $\pm$ 0.098 χ^2 /NDF: 5632043.8/73

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 $\pm$ 250.436 χ^2 /NDF: 16.2/16

Left Out: -107.163 $\pm$ 270.492 χ^2 /NDF: 28.7/19

Right Out: -76.119 $\pm$ 246.083 χ^2 /NDF: 21.4/18

Left In: 292.206 $\pm$ 282.858 χ^2 /NDF: 30.7/17

Left: 83.601 $\pm$ 195.492 χ^2 /NDF: 60.4/37

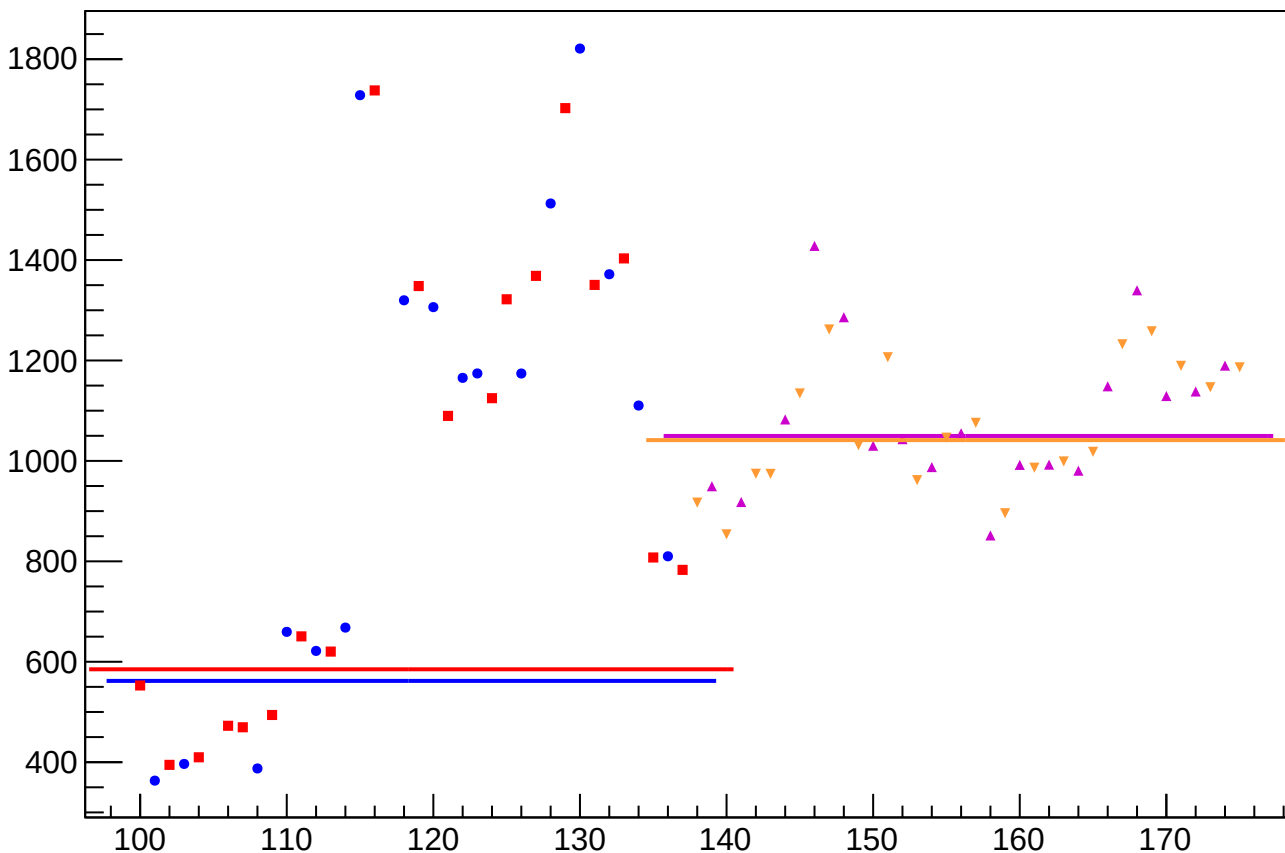
Right: -180.221 $\pm$ 175.526 χ^2 /NDF: 37.9/35

In: -33.062 $\pm$ 187.504 χ^2 /NDF: 49.2/34

Out: -90.177 $\pm$ 182.026 χ^2 /NDF: 50.0/38

All: -62.466 $\pm$ 130.606 χ^2 /NDF: 99.3/73

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1041.377 $\pm$ 0.191 χ^2 /NDF: 410705.4/19

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

Left In: 1049.692 $\pm$ 0.200 χ^2 /NDF: 456815.4/17

Left: 1045.348 $\pm$ 0.138 χ^2 /NDF: 868423.6/37

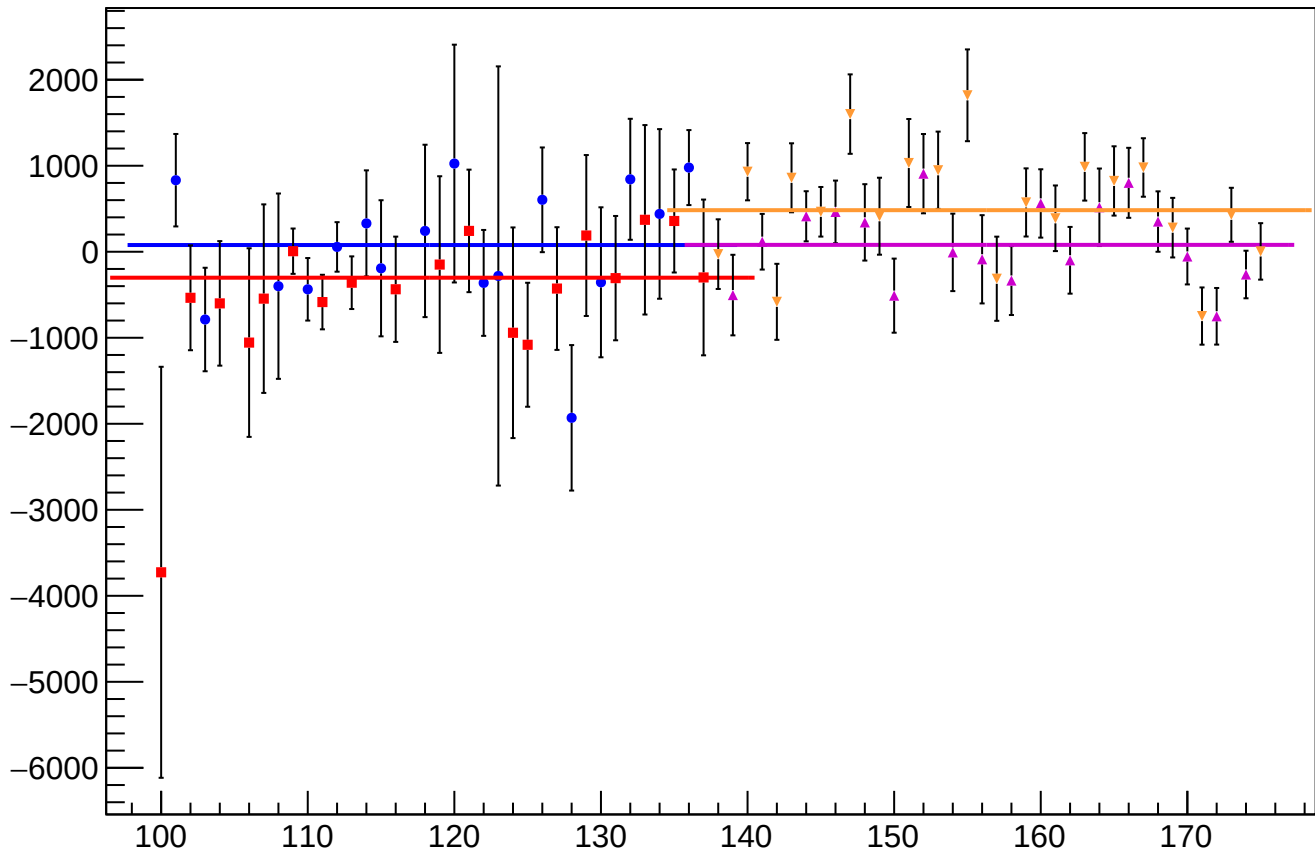
Right: 573.646 $\pm$ 0.124 χ^2 /NDF: 6049757.3/35

In: 776.246 $\pm$ 0.133 χ^2 /NDF: 7007775.0/34

Out: 791.668 $\pm$ 0.129 χ^2 /NDF: 6350353.0/38

All: 784.186 $\pm$ 0.092 χ^2 /NDF: 13365093.9/73

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 483.293+/-85.752 χ^2/NDF : 47.9/19

Right Out: -301.651+/-129.650 χ^2/NDF : 9.1/18

Left In: 79.915+/-88.602 χ^2/NDF : 25.1/17

Left: 288.198+/-61.619 χ^2/NDF : 83.7/37

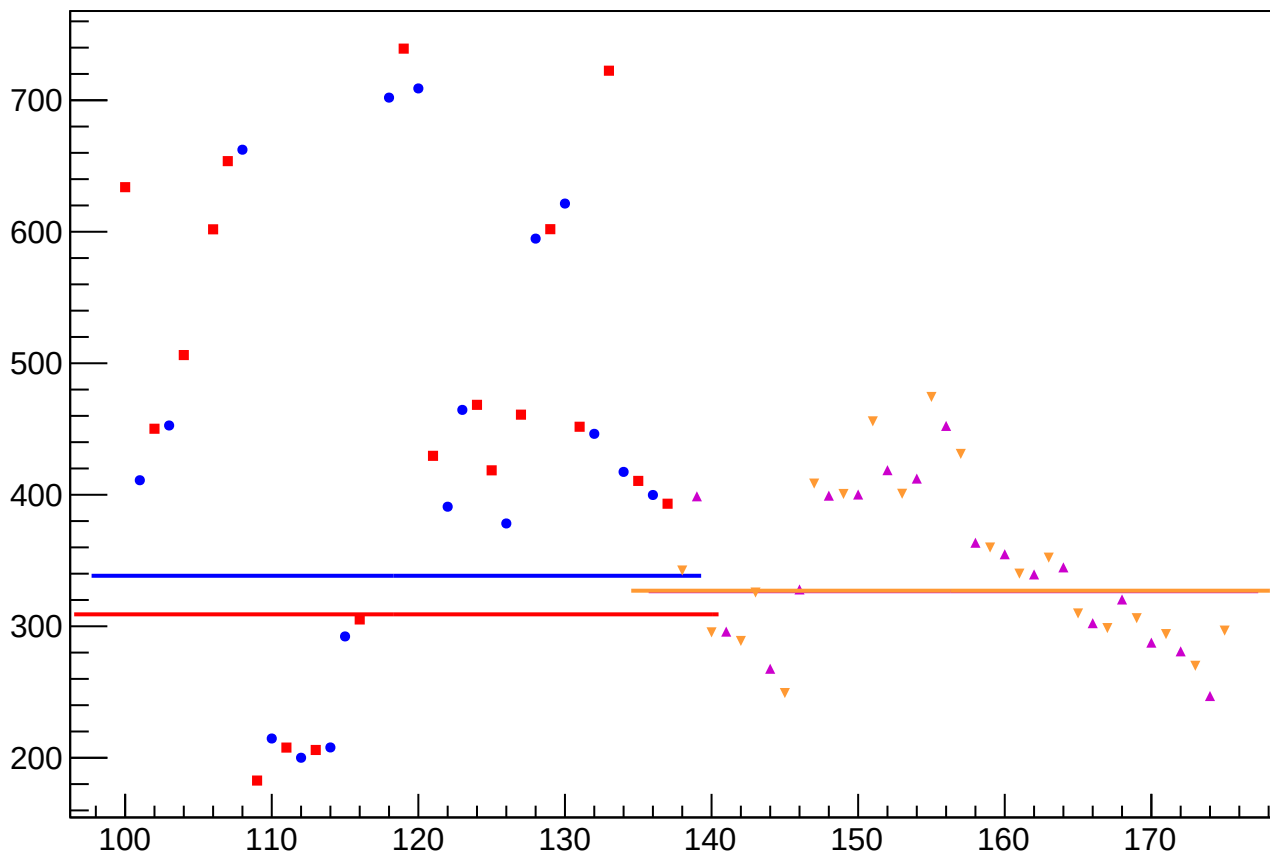
Right: -130.116+/-96.010 χ^2/NDF : 32.7/35

In: 79.434+/-75.298 χ^2/NDF : 44.9/34

Out: 244.411+/-71.523 χ^2/NDF : 82.5/38

All: 166.162+/-51.857 χ^2/NDF : 129.9/73

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 327.061 $\pm$ 0.061 χ^2 /NDF: 873440.0/19

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

Left In: 326.661 $\pm$ 0.063 χ^2 /NDF: 805127.9/17

Left: 326.867 $\pm$ 0.044 χ^2 /NDF: 1678589.0/37

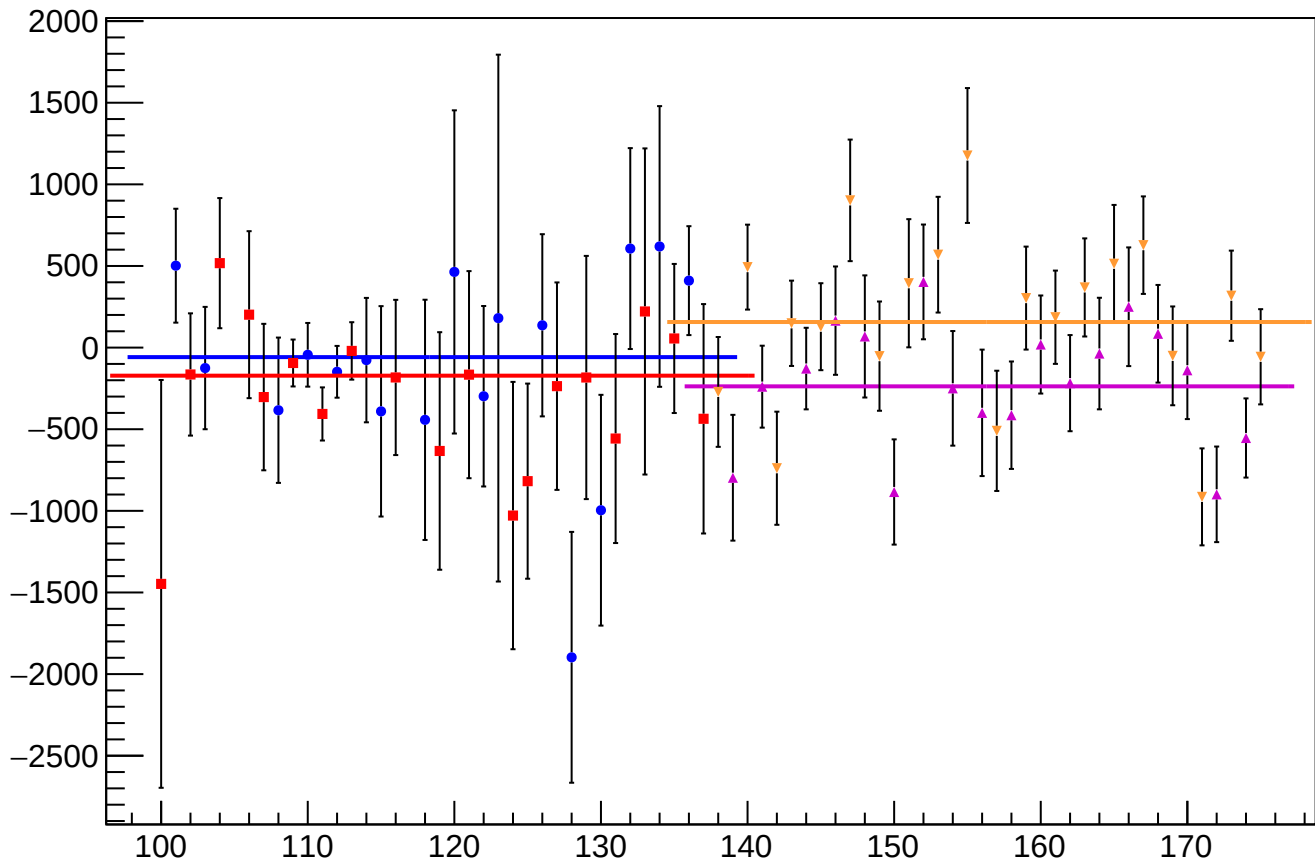
Right: 322.325 $\pm$ 0.068 χ^2 /NDF: 4788966.2/35

In: 329.924 $\pm$ 0.053 χ^2 /NDF: 2824179.9/34

Out: 321.589 $\pm$ 0.051 χ^2 /NDF: 3633664.2/38

All: 325.542 $\pm$ 0.037 χ^2 /NDF: 6470725.8/73

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299+/-90.484 χ^2/NDF : 15.9/16

Left Out: 156.726+/-70.030 χ^2/NDF :44.0/19

Right Out: -171.954+/-76.920 χ^2/NDF : 11.3/18

Left In: -237.367+/-73.249 χ^2/NDF :23.2/17

Left: -31.470+/-50.619 χ^2/NDF : 82.3/37

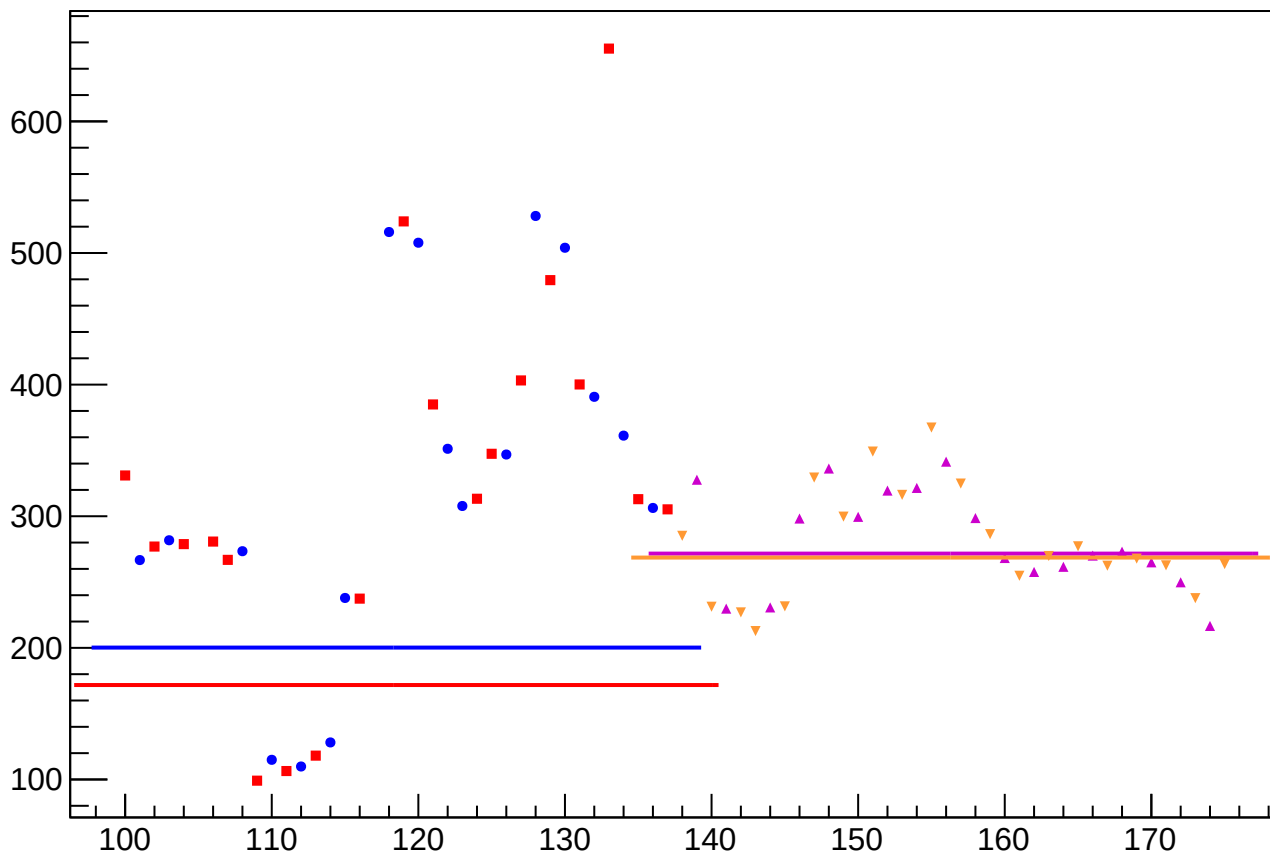
Right: -124.276+/-58.606 χ^2/NDF : 28.1/35

In: -166.475+/-56.933 χ^2/NDF :41.4/34

Out: 7.762+/-51.784 χ^2/NDF :65.3/38

All: -71.123+/-38.308 χ^2/NDF : 111.9/73

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2/NDF : 3387197.7/16

Left Out: 268.598 $\pm$ 0.050 χ^2/NDF :596343.2/19

Right Out: 171.757 $\pm$ 0.054 χ^2/NDF : 4093922.6/18

Left In: 271.607 $\pm$ 0.052 χ^2/NDF :516536.9/17

Left: 270.035 $\pm$ 0.036 χ^2/NDF : 1114644.3/37

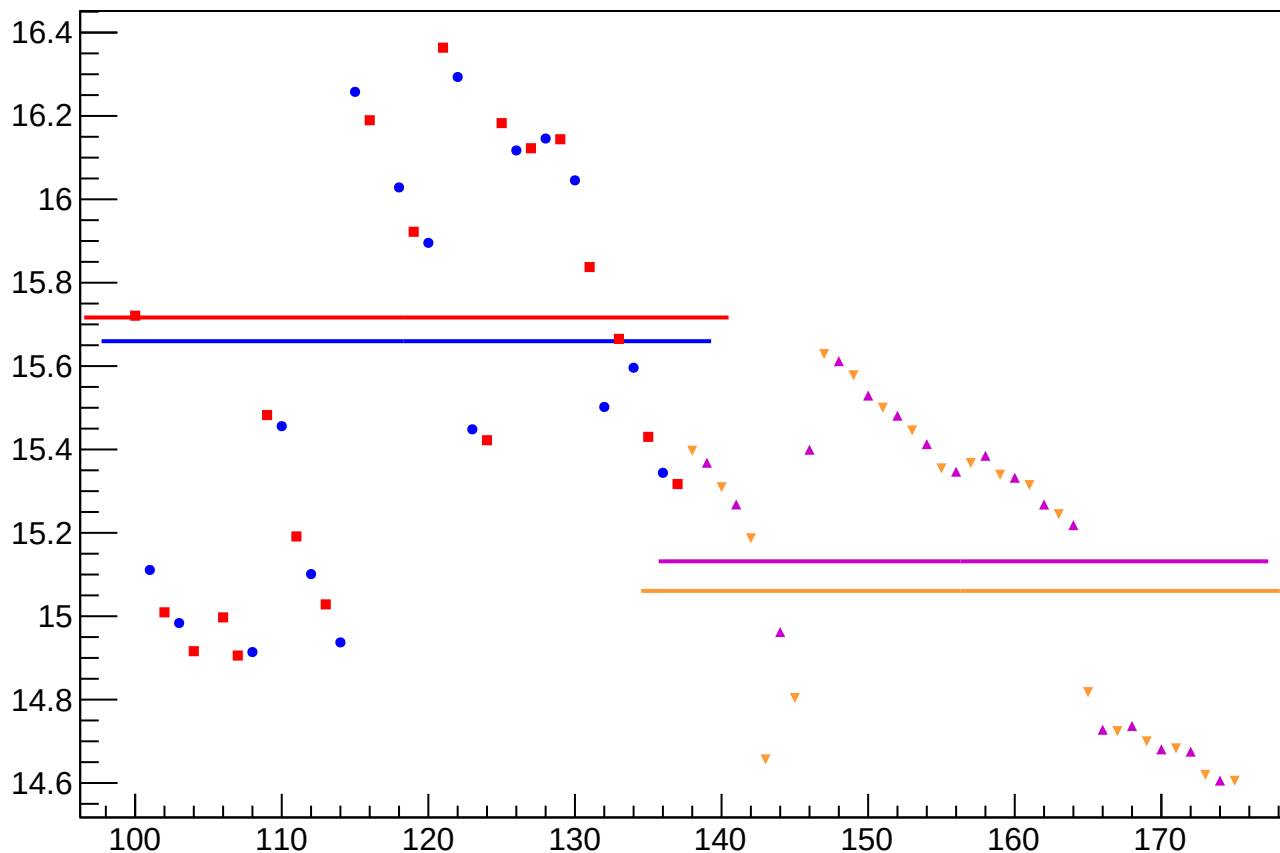
Right: 183.693 $\pm$ 0.041 χ^2/NDF : 7595909.3/35

In: 243.341 $\pm$ 0.040 χ^2/NDF :4656014.7/34

Out: 224.708 $\pm$ 0.037 χ^2/NDF :6423598.2/38

All: 233.144 $\pm$ 0.027 χ^2/NDF : 11196855.7/73

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.061 $\pm$ 0.000 χ^2/NDF : 15841553035.7/19

Right Out: 15.717 $\pm$ 0.000 χ^2/NDF : 5461829475.3/18

Left In: 15.132 $\pm$ 0.000 χ^2/NDF : 12377788881.4/17

Left: 15.094 $\pm$ 0.000 χ^2/NDF : 28527124061.5/37

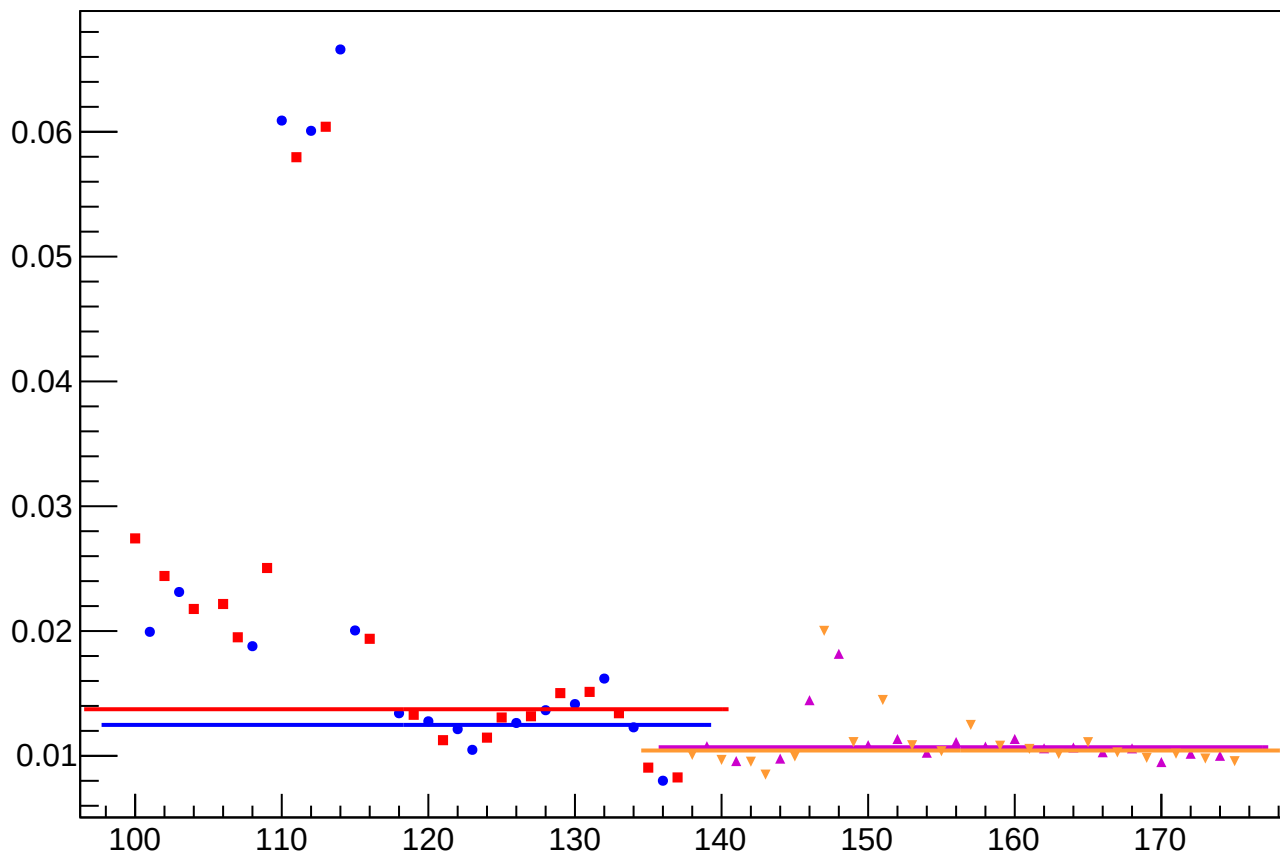
Right: 15.686 $\pm$ 0.000 χ^2/NDF : 11294352327.9/35

In: 15.249 $\pm$ 0.000 χ^2/NDF : 25333972141.3/34

Out: 15.180 $\pm$ 0.000 χ^2/NDF : 31453591403.9/38

All: 15.214 $\pm$ 0.000 χ^2/NDF : 57151000104.8

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:623146.4/19

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:446533.6/17

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 1078044.2/37

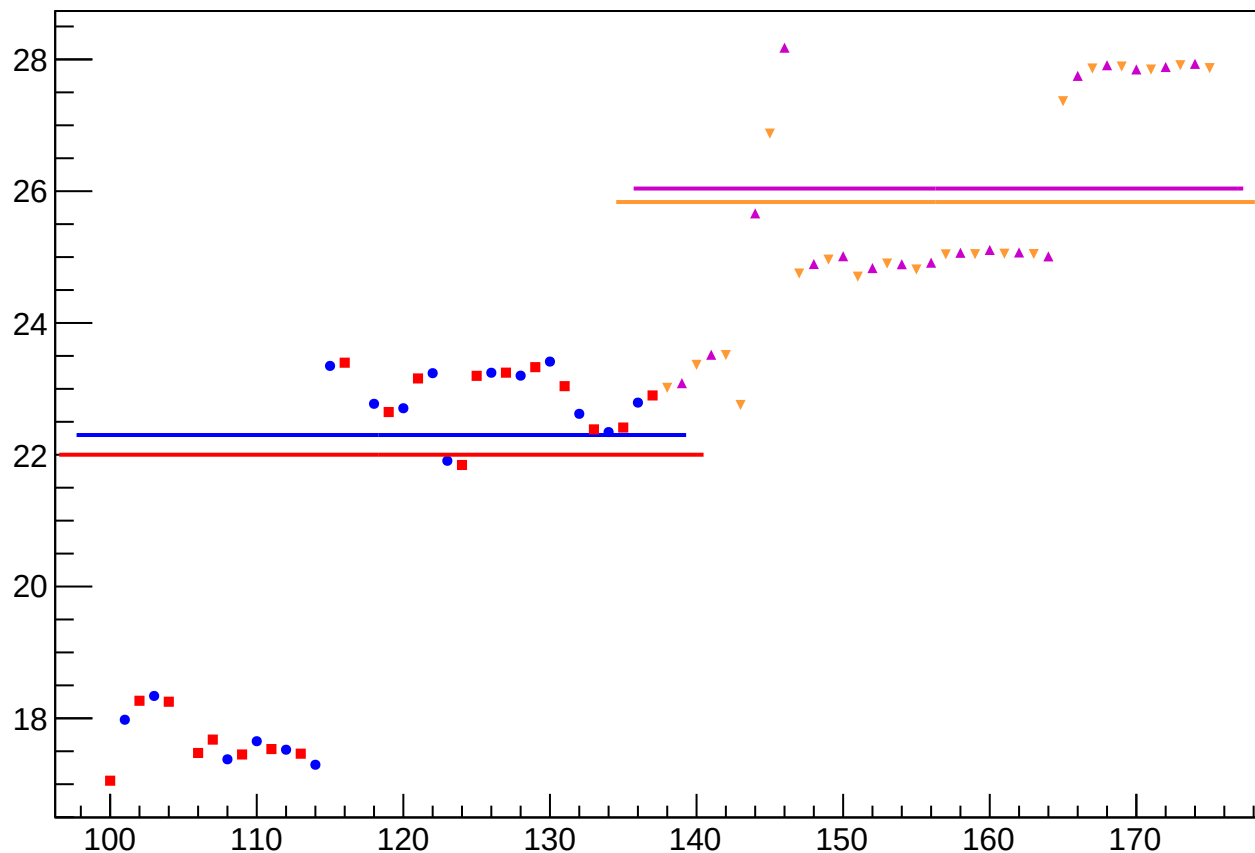
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 4279107.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2764225.2/34

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:3216778.7/38

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5981496.3/73

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 25.836+/-0.000 χ^2/NDF : 3349605613.2/19

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

Left In: 26.040+/-0.000 χ^2/NDF : 2402676158.6/17

Left: 25.933+/-0.000 χ^2/NDF : 5773380569.9/37

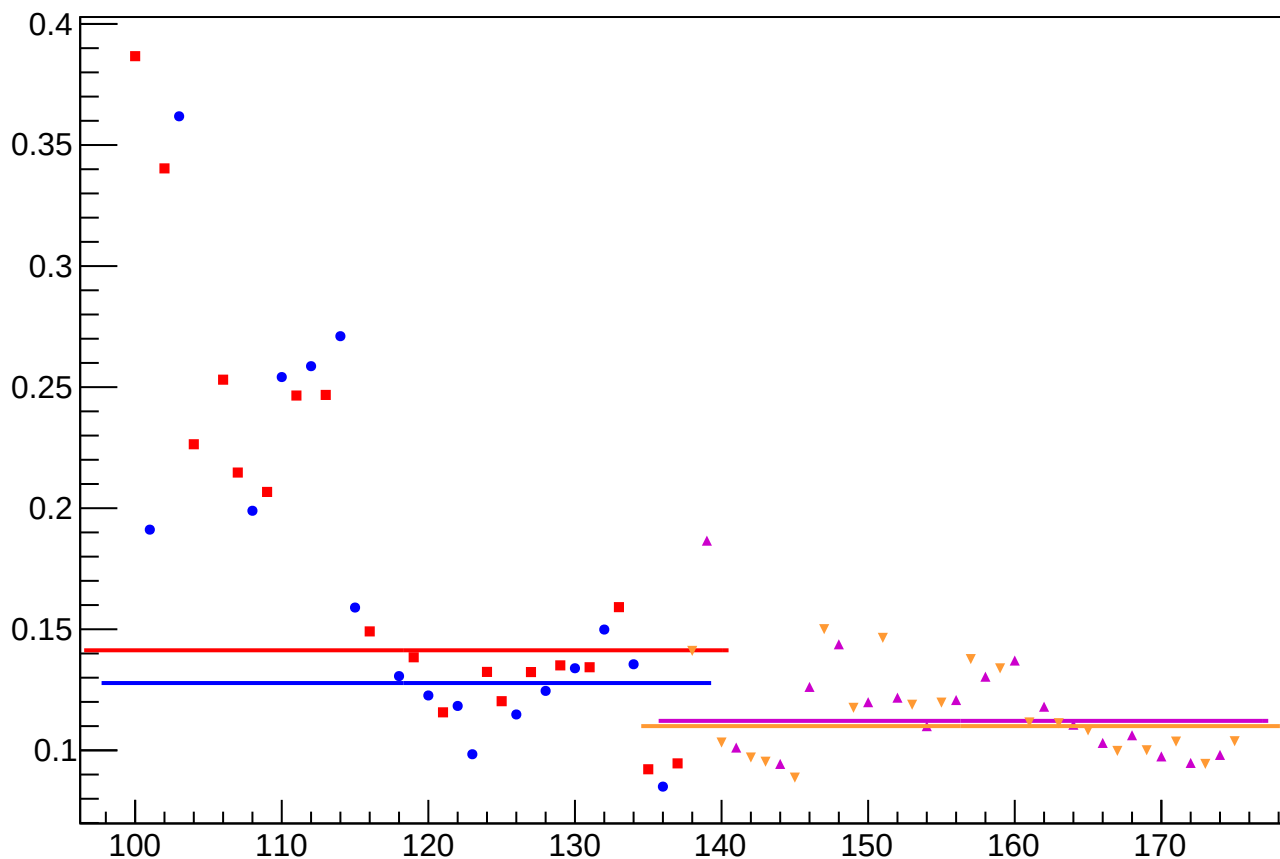
Right: 22.159+/-0.000 χ^2/NDF : 2017477949.3/35

In: 25.126+/-0.000 χ^2/NDF : 6615521941.5/34

Out: 25.046+/-0.000 χ^2/NDF : 7636433007.8/38

All: 25.085+/-0.000 χ^2/NDF : 14256117710.6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.110+/-0.000 χ^2/NDF :566763.8/19

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

Left In: 0.112+/-0.000 χ^2/NDF :600947.9/17

Left: 0.111+/-0.000 χ^2/NDF : 1172435.4/37

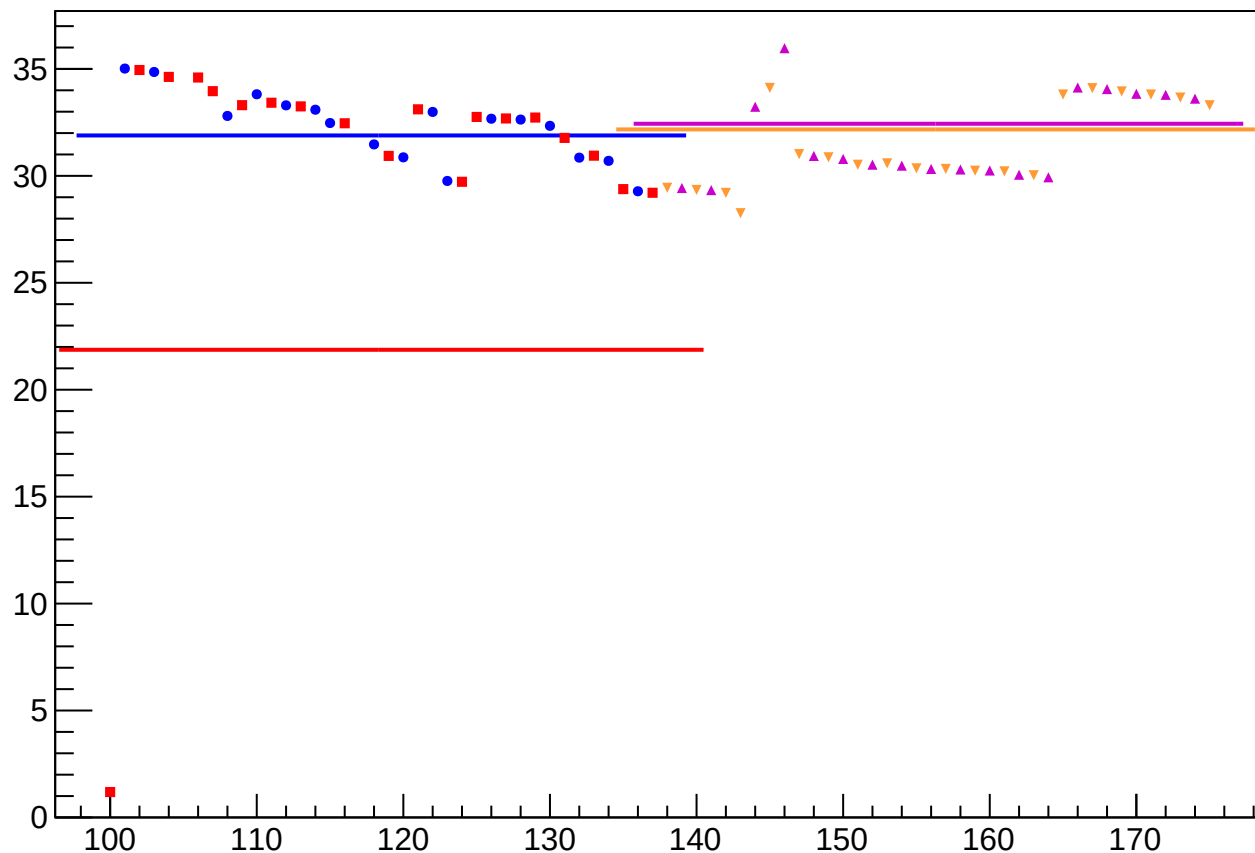
Right: 0.134+/-0.000 χ^2/NDF : 2994732.7/35

In: 0.116+/-0.000 χ^2/NDF :2207276.3/34

Out: 0.116+/-0.000 χ^2/NDF :2445381.1/38

All: 0.116+/-0.000 χ^2/NDF : 4652936.2/73

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889 $\pm$ 0.000

χ^2/NDF : 1930403776.3/16

Left: 32.302 $\pm$ 0.000 χ^2/NDF : 23356848450.0/37

Right: 25.887 $\pm$ 0.000 χ^2/NDF : 274879927198.7/35

Left Out: 32.171 $\pm$ 0.000

χ^2/NDF : 11755354728.4/19

In: 32.333 $\pm$ 0.000 χ^2/NDF : 13595760205.1/34

Right Out: 21.867 $\pm$ 0.000

χ^2/NDF : 230068750081.7/18

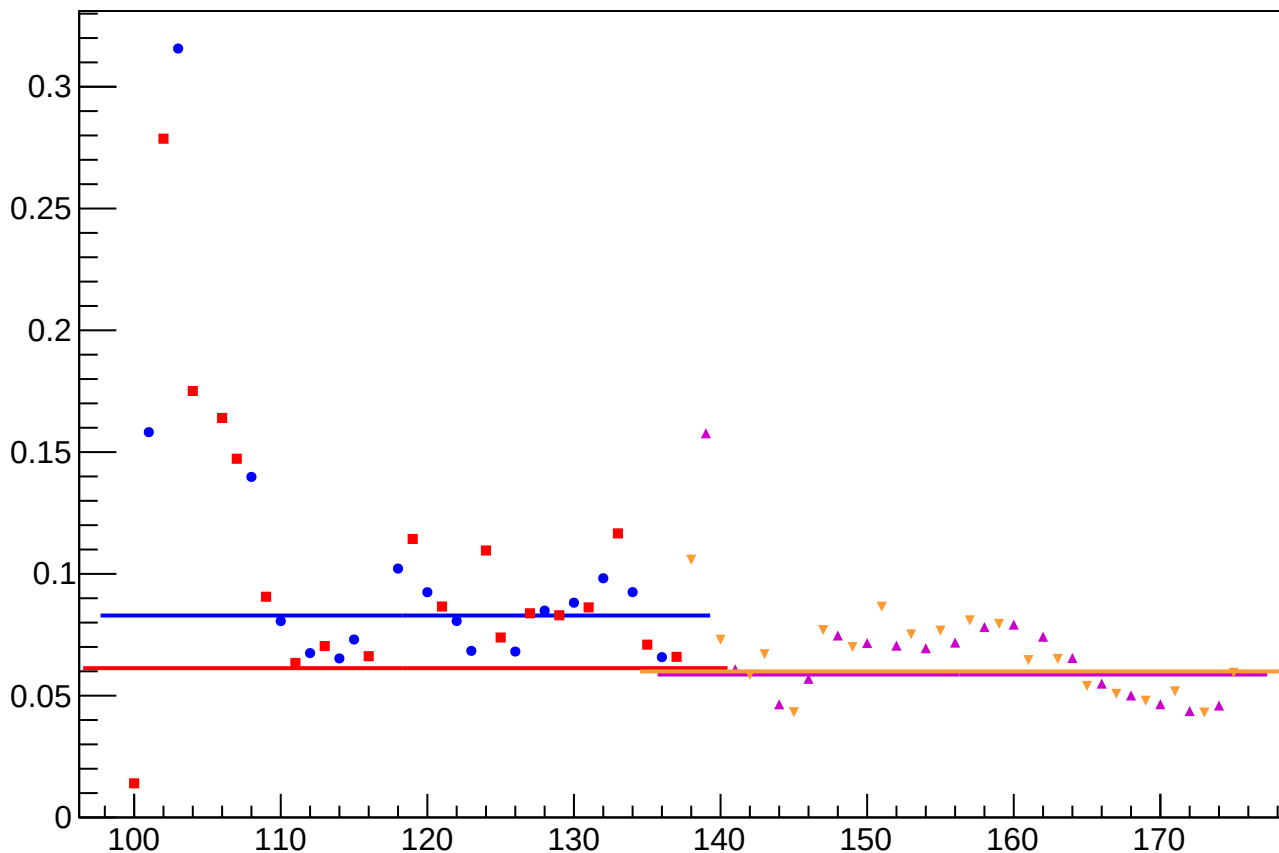
Out: 29.578 $\pm$ 0.000 χ^2/NDF : 326397980857.2/38

Left In: 32.436 $\pm$ 0.000

χ^2/NDF : 11492336355.2/17

All: 30.876 $\pm$ 0.000 χ^2/NDF : 355110807949.0

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.060+/-0.000 χ^2/NDF :1284401.1/19

Right Out: 0.061+/-0.000 χ^2/NDF : 3603853.3/18

Left In: 0.059+/-0.000 χ^2/NDF :1472408.9/17

Left: 0.059+/-0.000 χ^2/NDF : 2761877.9/37

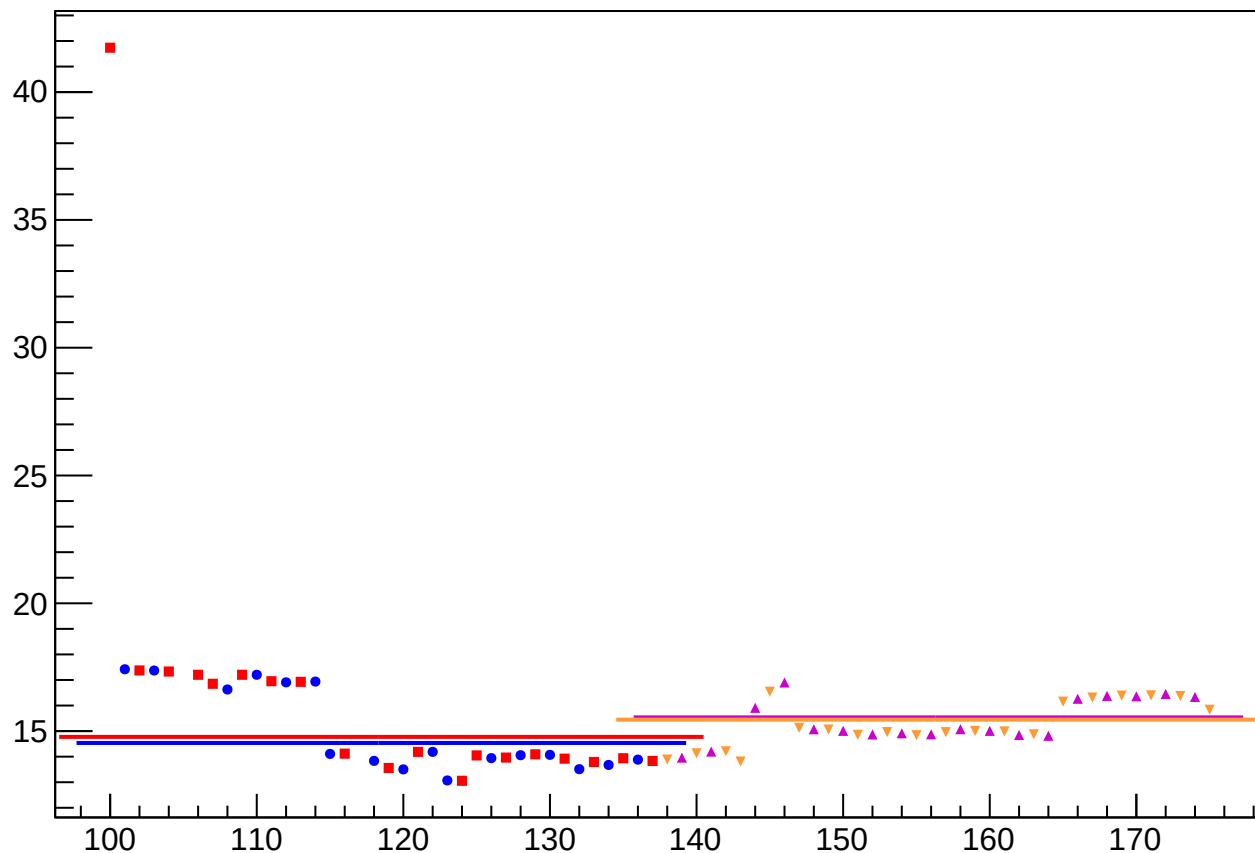
Right: 0.070+/-0.000 χ^2/NDF : 5167150.6/35

In: 0.063+/-0.000 χ^2/NDF :3315064.7/34

Out: 0.060+/-0.000 χ^2/NDF :4891085.1/38

All: 0.062+/-0.000 χ^2/NDF : 8241337.6/73

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.448+/-0.000 χ^2/NDF : 2219983341.7/19

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

Left In: 15.537+/-0.000 χ^2/NDF : 1810898927.6/17

Left: 15.491+/-0.000 χ^2/NDF : 4042633891.7/37

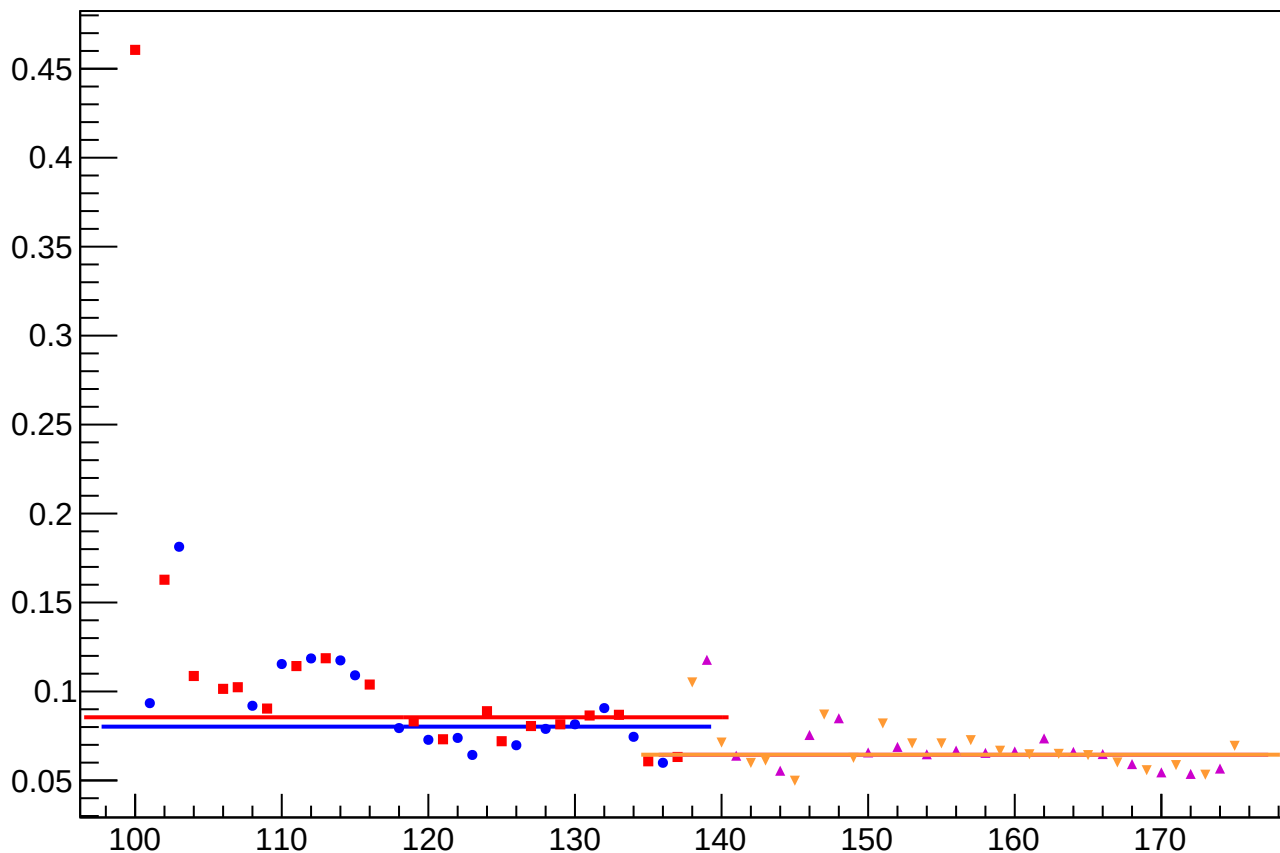
Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35

In: 15.306+/-0.000 χ^2/NDF : 3942899178.1/34

Out: 15.307+/-0.000 χ^2/NDF : 4395951319.4/38

All: 15.307+/-0.000 χ^2/NDF : 8338855403.2/77

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.064+/-0.000 χ^2/NDF : 632790.4/19

Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

Left In: 0.064+/-0.000 χ^2/NDF : 602373.2/17

Left: 0.064+/-0.000 χ^2/NDF : 1235178.0/37

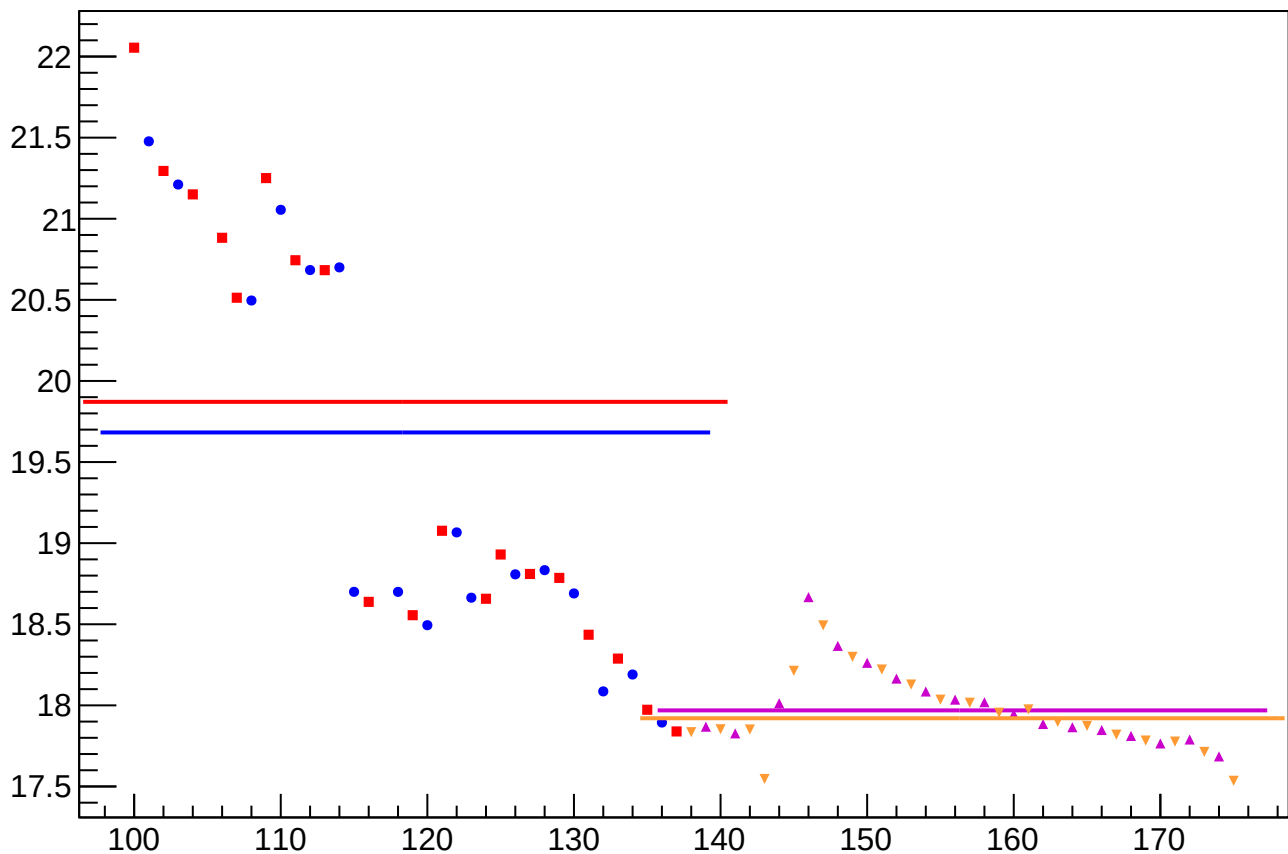
Right: 0.083+/-0.000 χ^2/NDF : 1539722.7/35

In: 0.068+/-0.000 χ^2/NDF : 1711525.7/34

Out: 0.069+/-0.000 χ^2/NDF : 1932926.1/38

All: 0.068+/-0.000 χ^2/NDF : 3646844.1/73

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.921+/-0.000 χ^2/NDF : 715783825.7/19

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

Left In: 17.969+/-0.000 χ^2/NDF : 640703428.4/17

Left: 17.944+/-0.000 χ^2/NDF : 1373619075.2/37

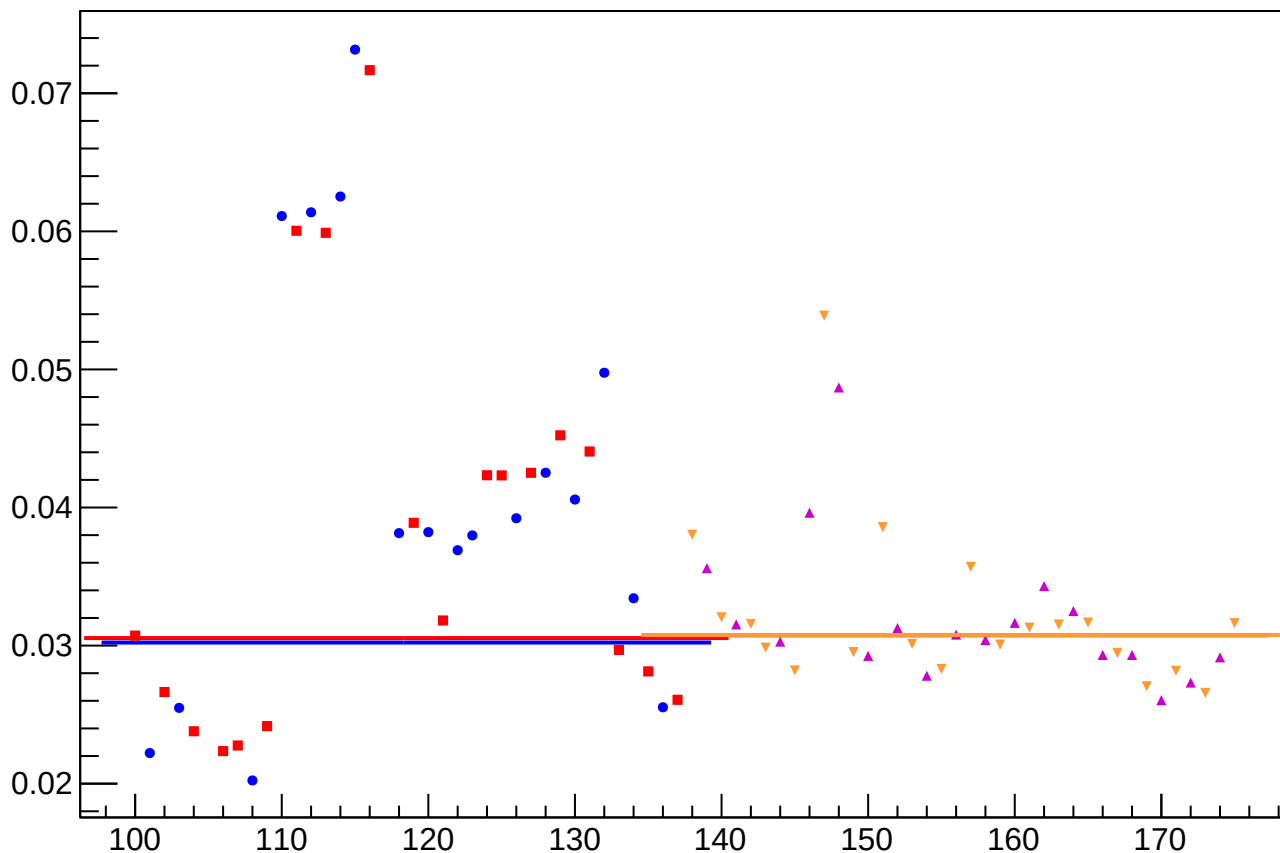
Right: 17.778+/-0.000 χ^2/NDF : 23711776447.8/35

In: 18.488+/-0.000 χ^2/NDF : 25436087050.2/34

Out: 18.498+/-0.000 χ^2/NDF : 28977197674.0/38

All: 18.493+/-0.000 χ^2/NDF : 54414416566.3

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 : 532580.1/19

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

Left In: 0.031+/-0.000 χ^2/NDF : 437215.1/17

Left: 0.031+/-0.000 χ^2/NDF : 969804.0/37

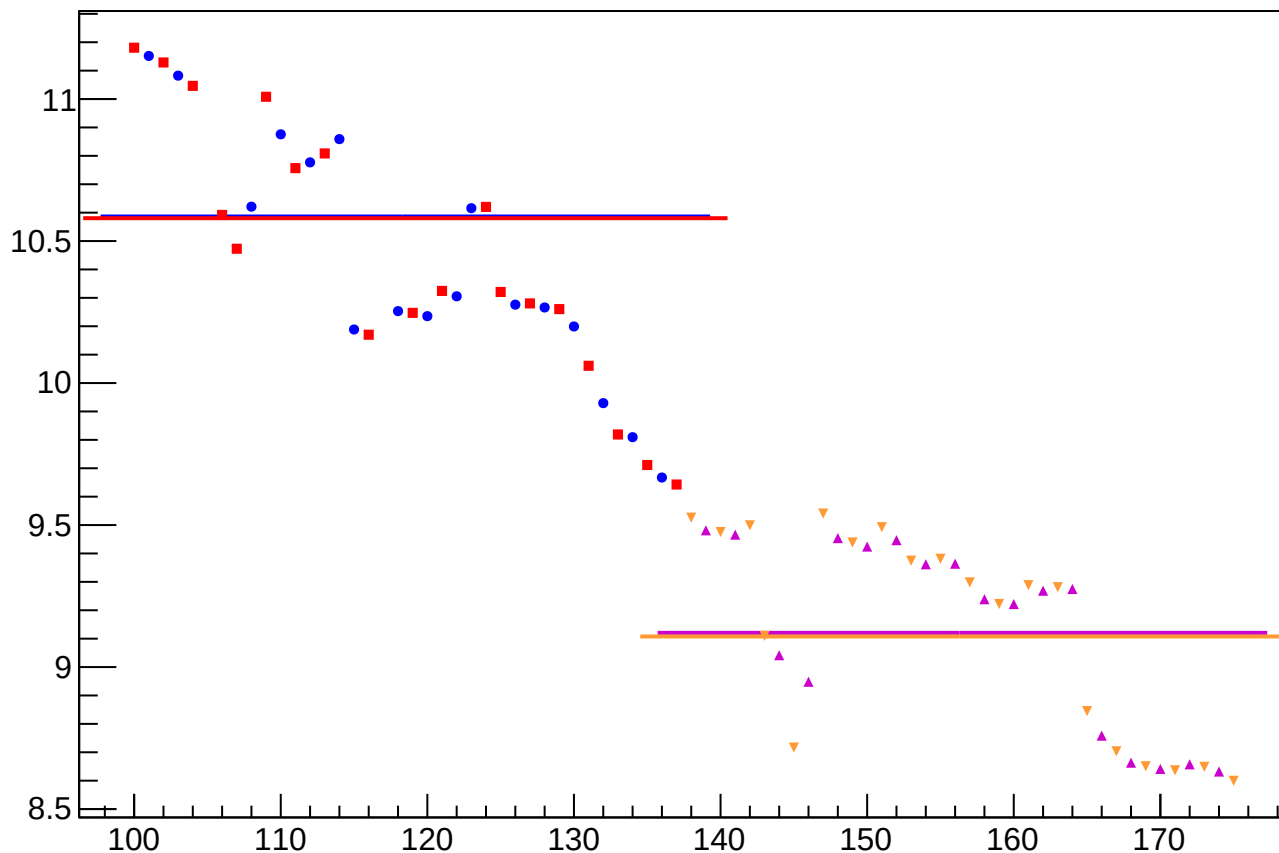
Right: 0.030+/-0.000 χ^2/NDF : 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF : 1764064.9/34

Out: 0.031+/-0.000 χ^2/NDF : 1722754.7/38

All: 0.031+/-0.000 χ^2/NDF : 3487103.8/73

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.108 $\pm$ 0.000 χ^2 /NDF: 4398860758.8/19

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5763852721.2/18

Left In: 9.120 $\pm$ 0.000 χ^2 /NDF: 3345053237.5/17

Left: 9.114 $\pm$ 0.000 χ^2 /NDF: 7746707124.2/37

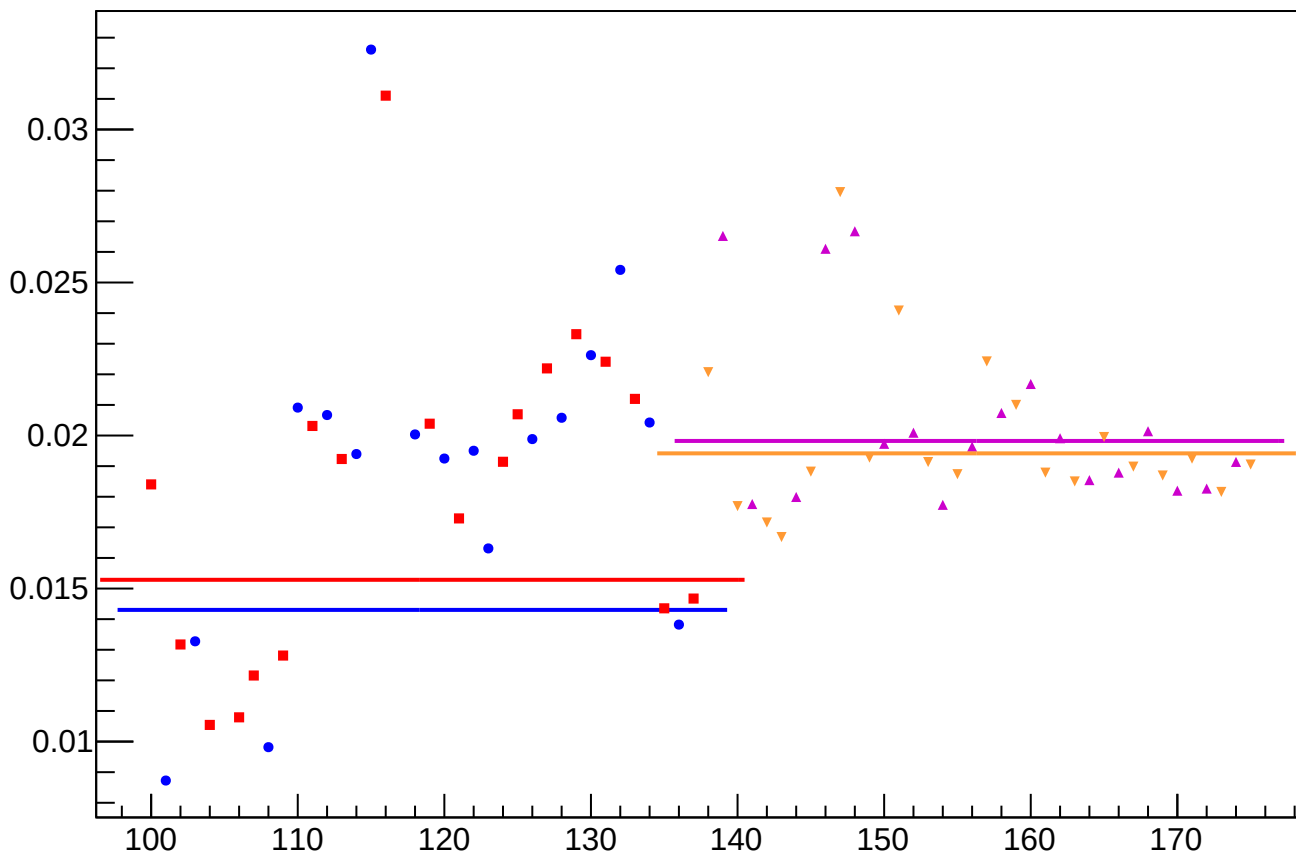
Right: 10.583 $\pm$ 0.000 χ^2 /NDF: 13184410027.5/35

In: 9.773 $\pm$ 0.000 χ^2 /NDF: 41810700710.8/34

Out: 9.712 $\pm$ 0.000 χ^2 /NDF: 42474469540.4/38

All: 9.742 $\pm$ 0.000 χ^2 /NDF: 84396286217.5/77

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:327256.6/19

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:379463.1/17

Left: 0.020 $\pm$ 0.000 χ^2 /NDF: 712360.5/37

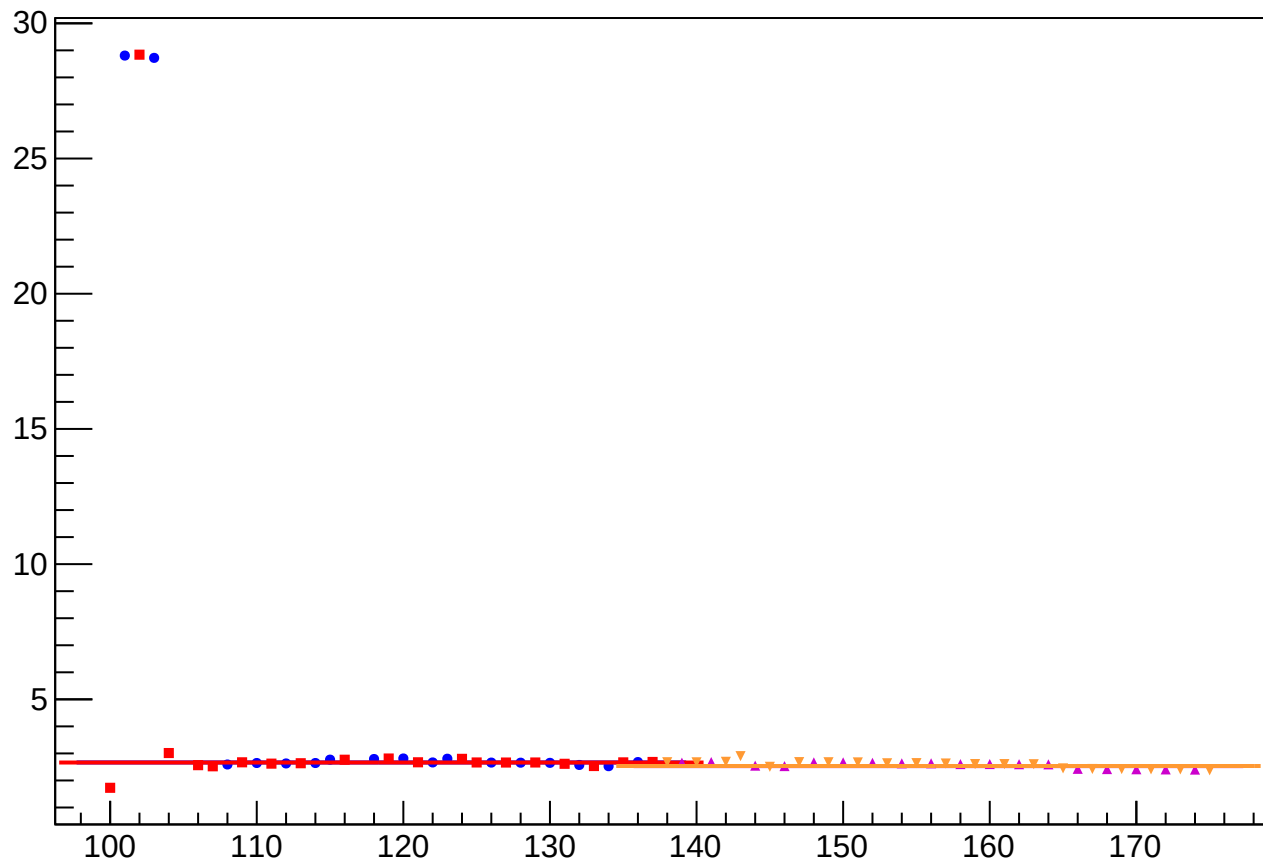
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 2421831.8/35

In: 0.017 $\pm$ 0.000 χ^2 /NDF:2668055.9/34

Out: 0.018 $\pm$ 0.000 χ^2 /NDF:1824815.7/38

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 4500477.2/73

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.535 $\pm$ 0.000 χ^2 /NDF: 46554234471.2/19

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

Left In: 2.531 $\pm$ 0.000 χ^2 /NDF: 31743233219.3/17

Left: 2.533 $\pm$ 0.000 χ^2 /NDF: 78320912296.8/37

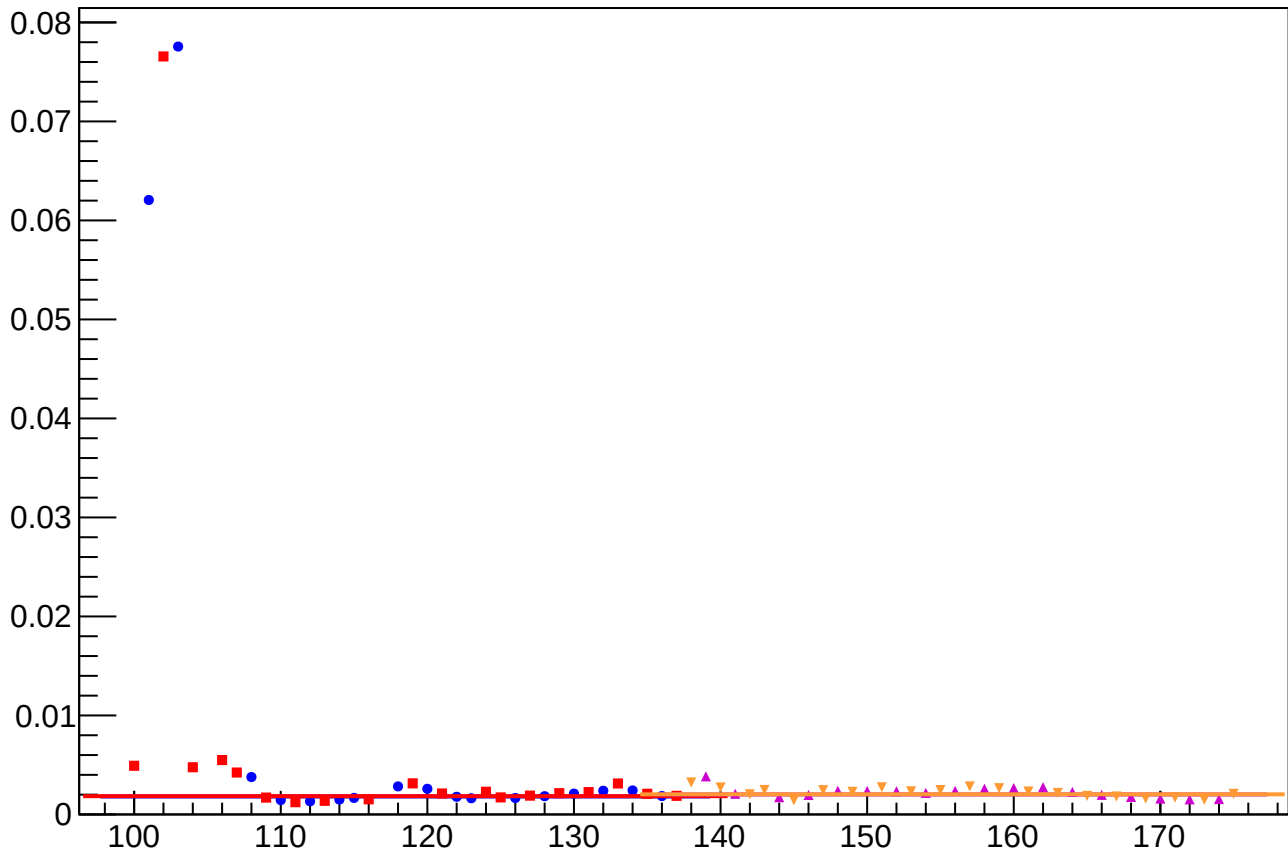
Right: 2.665 $\pm$ 0.000 χ^2 /NDF: 233569925265.6/35

In: 2.575 $\pm$ 0.000 χ^2 /NDF: 211480481562.4/34

Out: 2.577 $\pm$ 0.000 χ^2 /NDF: 132719809845.2/38

All: 2.576 $\pm$ 0.000 χ^2 /NDF: 344207191482.0

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 :1249666.9/19

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF :1115246.4/17

Left: 0.002+/-0.000 χ^2/NDF : 2365528.8/37

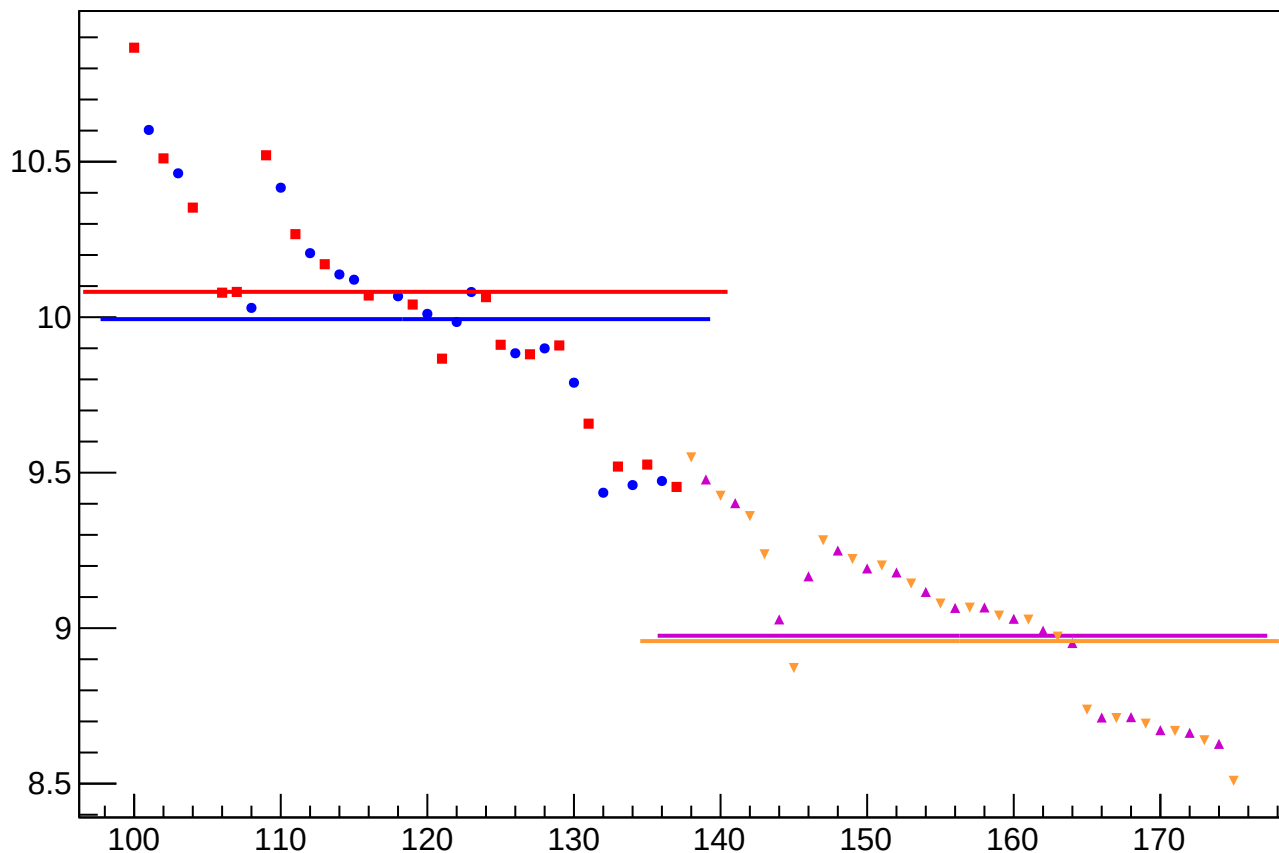
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF :3850042.8/34

Out: 0.002+/-0.000 χ^2/NDF :3647689.6/38

All: 0.002+/-0.000 χ^2/NDF : 7499334.1/73

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 8.958 $\pm$ 0.000 χ^2 /NDF: 21976668669.4/19

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

Left In: 8.976 $\pm$ 0.000 χ^2 /NDF: 18281670183.3/17

Left: 8.967 $\pm$ 0.000 χ^2 /NDF: 40305487860.7/37

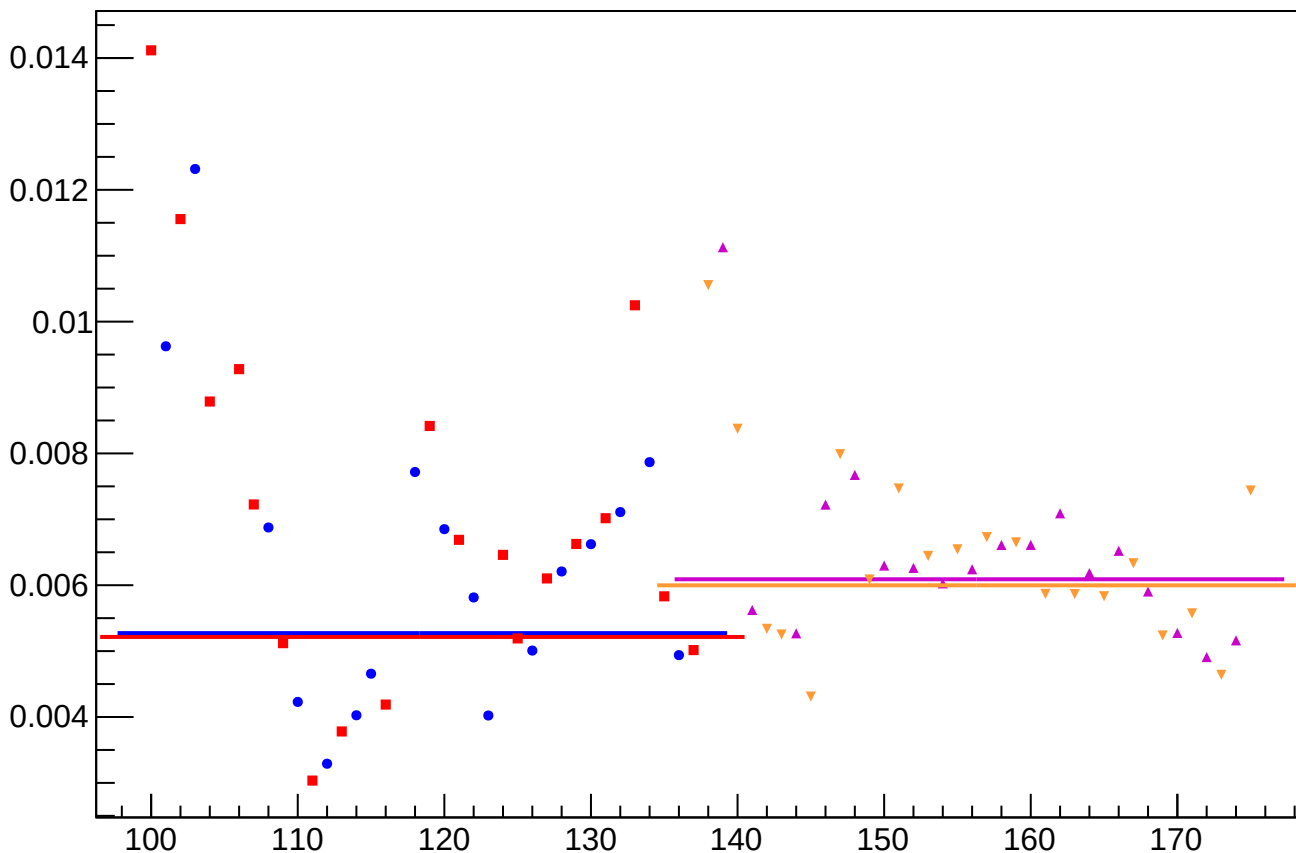
Right: 10.039 $\pm$ 0.000 χ^2 /NDF: 35036056098.5/35

In: 9.355 $\pm$ 0.000 χ^2 /NDF: 154767196667.0/34

Out: 9.369 $\pm$ 0.000 χ^2 /NDF: 191317189732.3/38

All: 9.362 $\pm$ 0.000 χ^2 /NDF: 346135529689.4

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 : 896631.2/19

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 603815.9/17

Left: 0.006+/-0.000 χ^2/NDF : 1503135.9/37

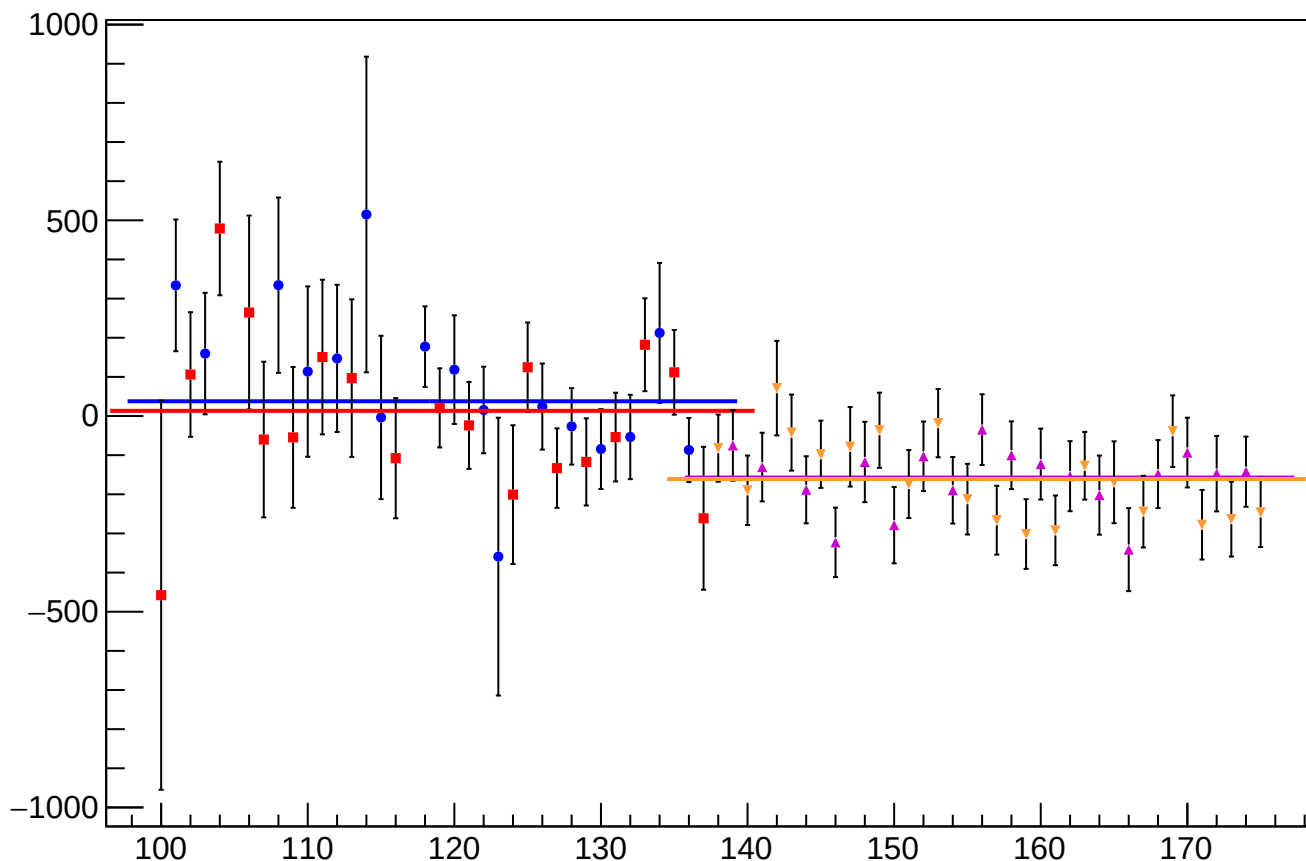
Right: 0.005+/-0.000 χ^2/NDF : 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF : 2000974.3/34

Out: 0.006+/-0.000 χ^2/NDF : 2704287.0/38

All: 0.006+/-0.000 χ^2/NDF : 4708024.5/73

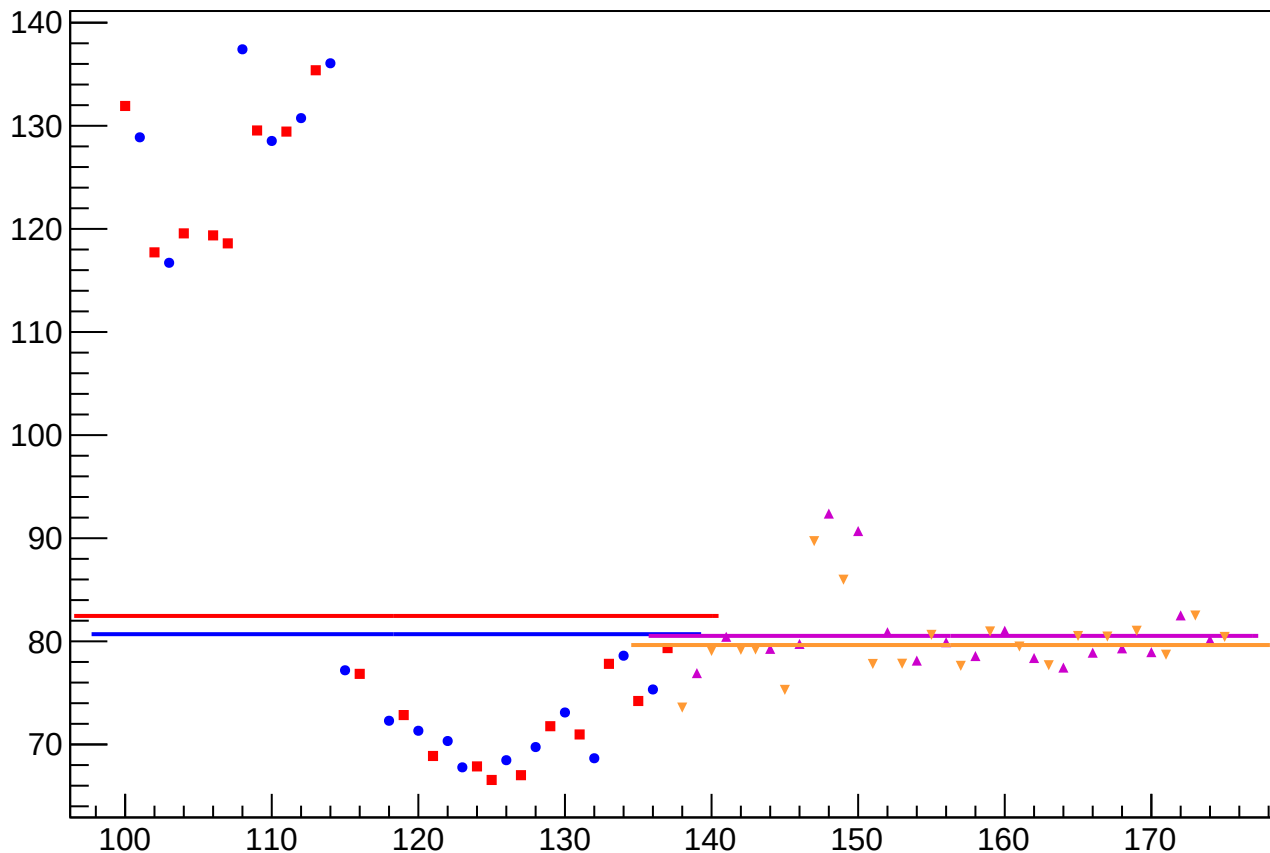
reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16
 Left Out: -160.880 $\pm$ 20.523 χ^2 /NDF:24.7/19
 Right Out: 13.278 $\pm$ 32.066 χ^2 /NDF: 22.7/18
 Left In: -157.067 $\pm$ 21.512 χ^2 /NDF:12.9/17

Left: -159.063 $\pm$ 14.849 χ^2 /NDF: 37.7/37
 Right: 25.415 $\pm$ 22.740 χ^2 /NDF: 39.7/35
 In: -97.103 $\pm$ 17.897 χ^2 /NDF:54.9/34
 Out: -110.272 $\pm$ 17.286 χ^2 /NDF:68.4/38
 All: -103.916 $\pm$ 12.433 χ^2 /NDF: 123.5/73

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.642 $\pm$ 0.015 χ^2 /NDF: 51126.2/19

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

Left In: 80.530 $\pm$ 0.015 χ^2 /NDF: 60366.1/17

Left: 80.065 $\pm$ 0.010 χ^2 /NDF: 113275.6/37

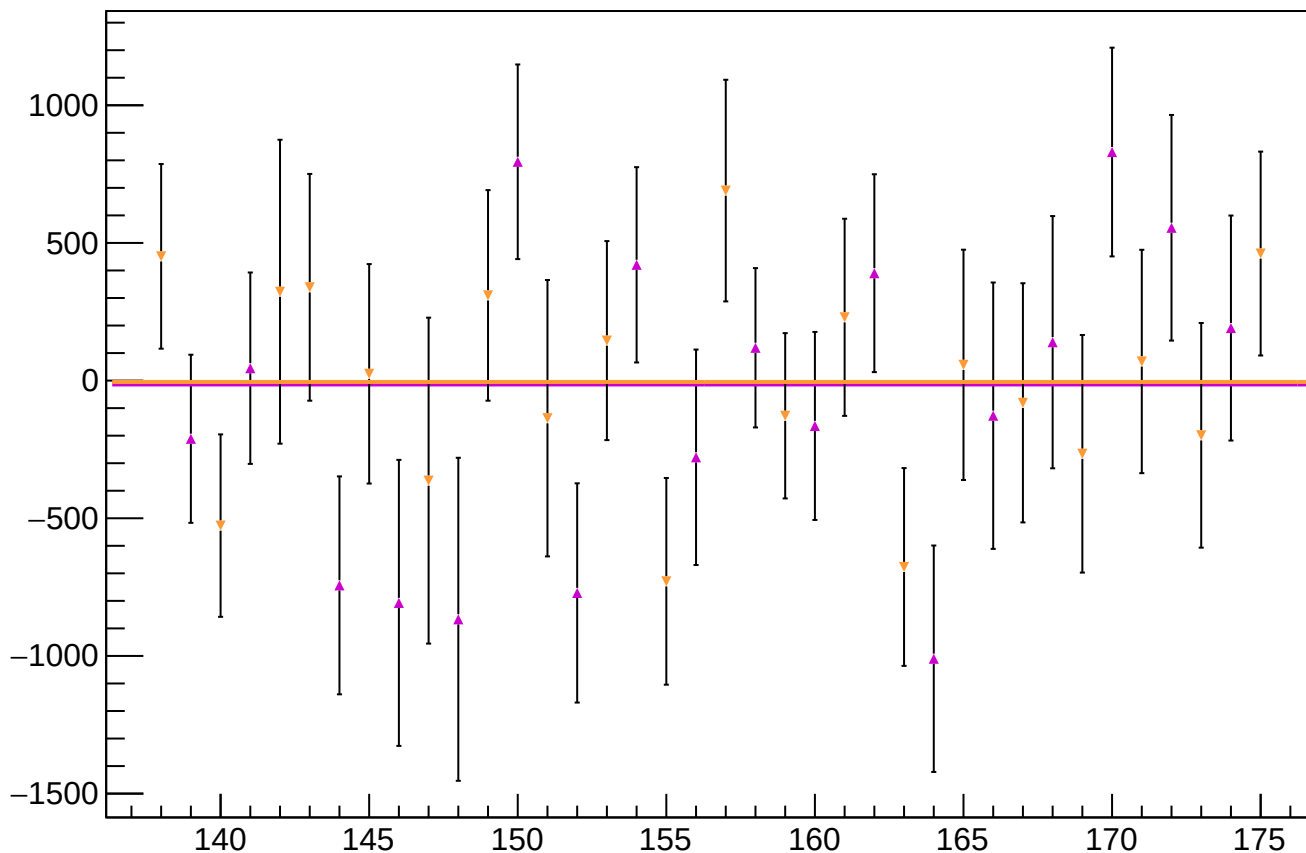
Right: 81.584 $\pm$ 0.016 χ^2 /NDF: 1731931.3/35

In: 80.580 $\pm$ 0.013 χ^2 /NDF: 874428.5/34

Out: 80.462 $\pm$ 0.012 χ^2 /NDF: 976991.3/38

All: 80.519 $\pm$ 0.009 χ^2 /NDF: 1851465.2/73

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -4.938+/-87.540 χ^2/NDF :19.7/19

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

Left In: -14.025+/-90.192 χ^2/NDF :34.0/17

Left: -9.346+/-62.817 χ^2/NDF : 53.7/37

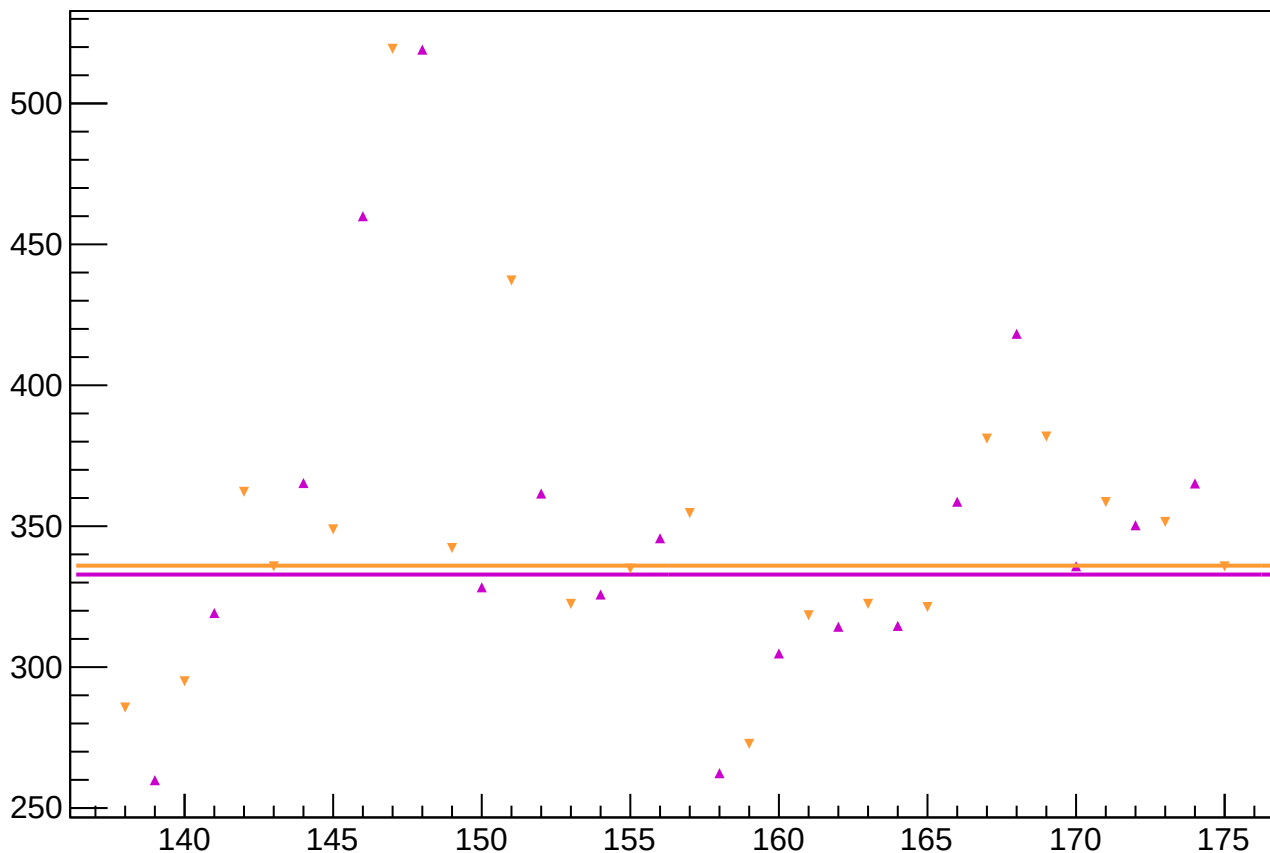
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.025+/-90.192 χ^2/NDF :34.0/17

Out: -4.938+/-87.540 χ^2/NDF :19.7/19

All: -9.346+/-62.817 χ^2/NDF : 53.7/37

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 336.009+/-0.062 χ^2/NDF : 515338.4/19

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

Left In: 332.845+/-0.064 χ^2/NDF : 698898.4/17

Left: 334.474+/-0.044 χ^2/NDF : 1215503.8/37

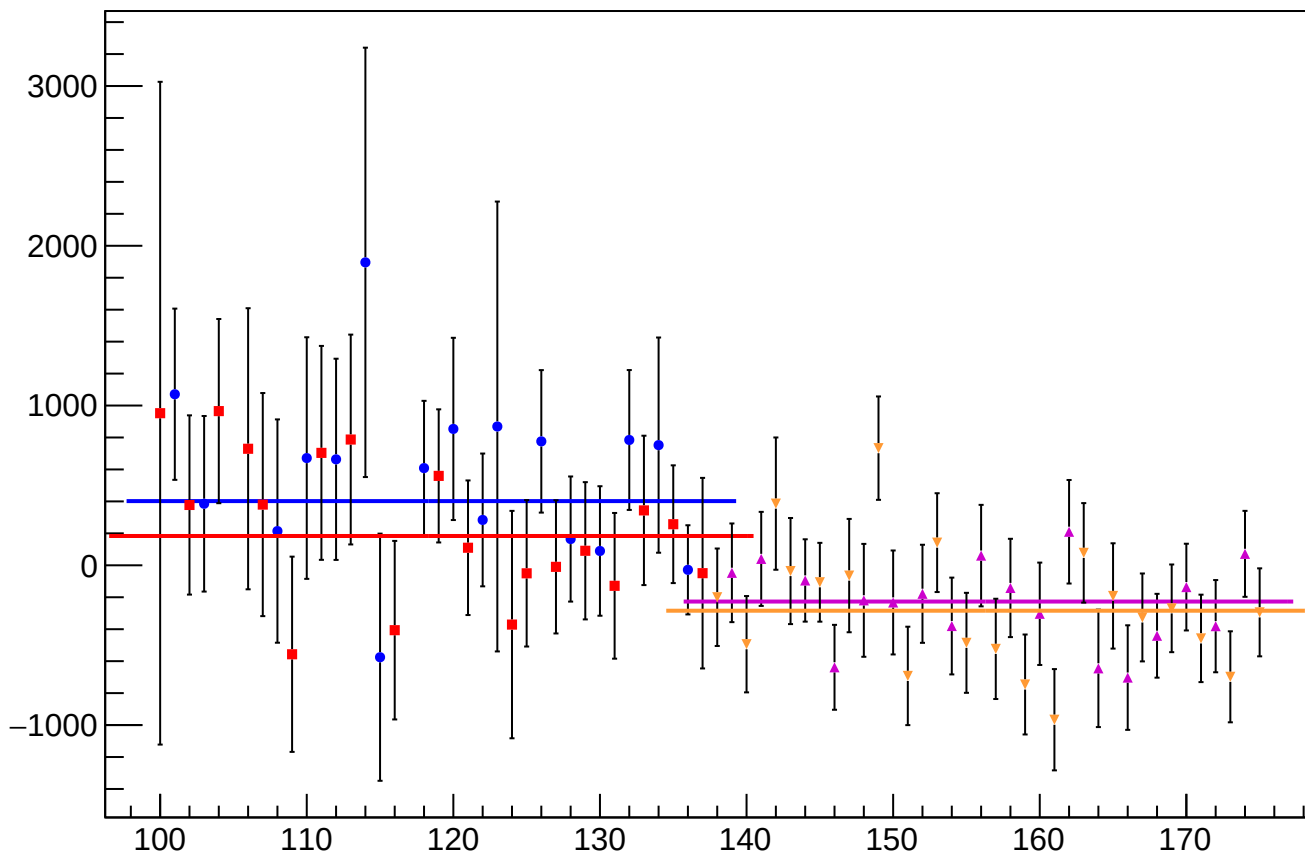
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 332.845+/-0.064 χ^2/NDF : 698898.4/17

Out: 336.009+/-0.062 χ^2/NDF : 515338.4/19

All: 334.474+/-0.044 χ^2/NDF : 1215503.8/37

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -284.232 $\pm$ 67.886 χ^2 /NDF:30.0/19

Right Out: 183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

Left In: -226.870 $\pm$ 70.603 χ^2 /NDF:12.6/17

Left: -256.676 $\pm$ 48.935 χ^2 /NDF: 42.9/37

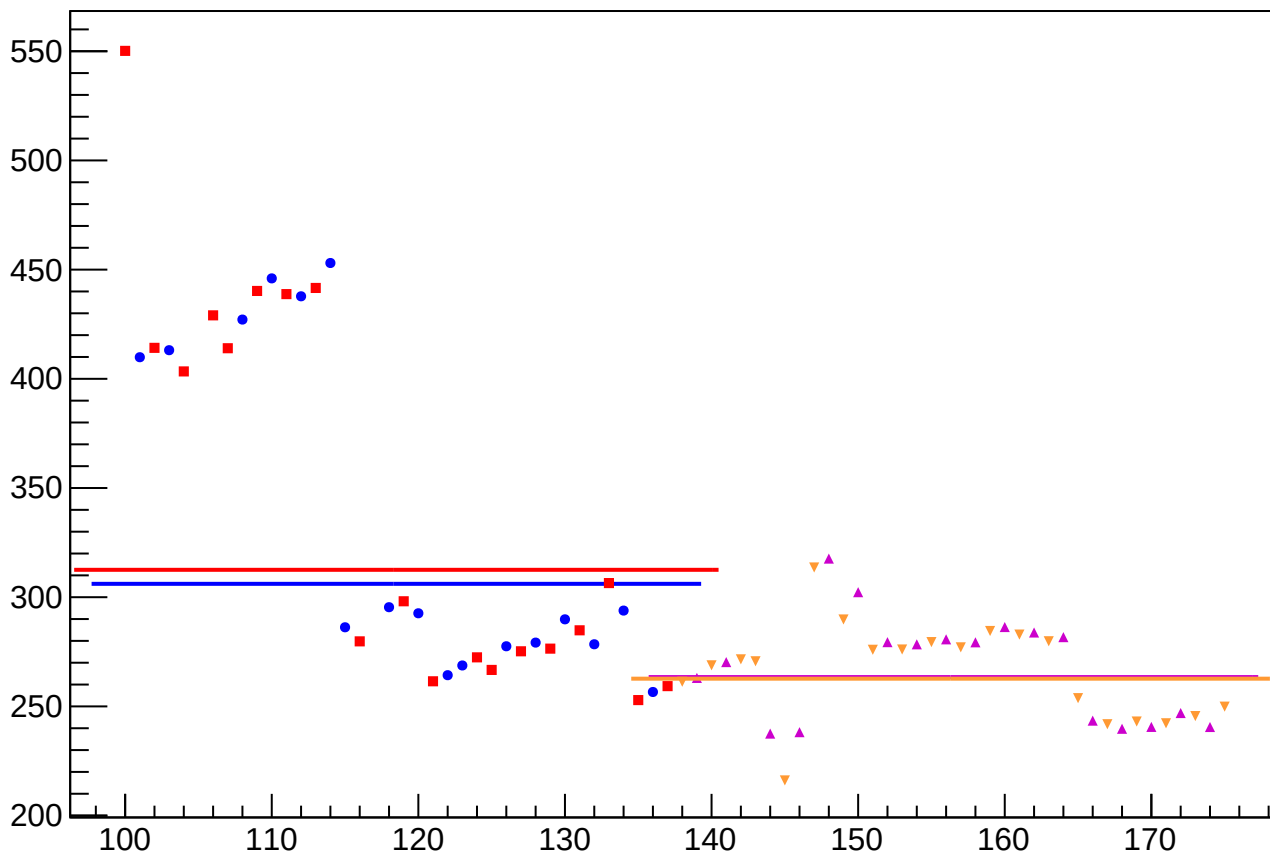
Right: 292.034 $\pm$ 85.342 χ^2 /NDF: 21.9/35

In: -67.270 $\pm$ 60.987 χ^2 /NDF:43.6/34

Out: -171.320 $\pm$ 59.127 χ^2 /NDF:50.8/38

All: -120.906 $\pm$ 42.451 χ^2 /NDF: 95.9/73

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 262.695+/-0.048 χ^2/NDF : 216656.3/19

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

Left In: 263.439+/-0.050 χ^2/NDF : 218512.1/17

Left: 263.052+/-0.035 χ^2/NDF : 435284.1/37

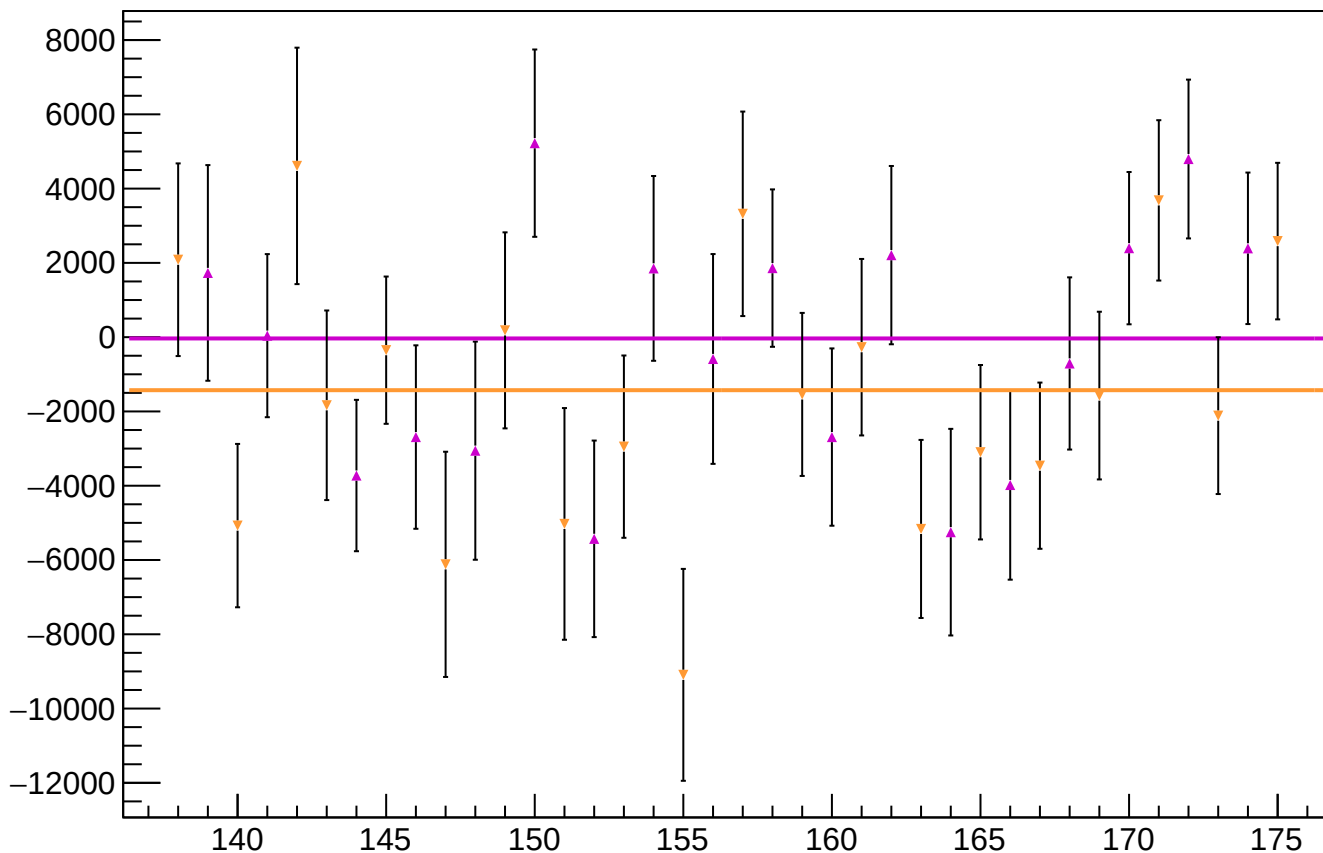
Right: 309.352+/-0.060 χ^2/NDF : 1137034.2/35

In: 274.274+/-0.043 χ^2/NDF : 912508.7/34

Out: 274.729+/-0.042 χ^2/NDF : 1102756.9/38

All: 274.508+/-0.030 χ^2/NDF : 2015322.7/73

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1427.728+/-539.337 χ^2/NDF :36.5/19

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

Left In: -34.825+/-561.527 χ^2/NDF :31.8/17

Left: -759.341+/-388.977 χ^2/NDF : 71.5/37

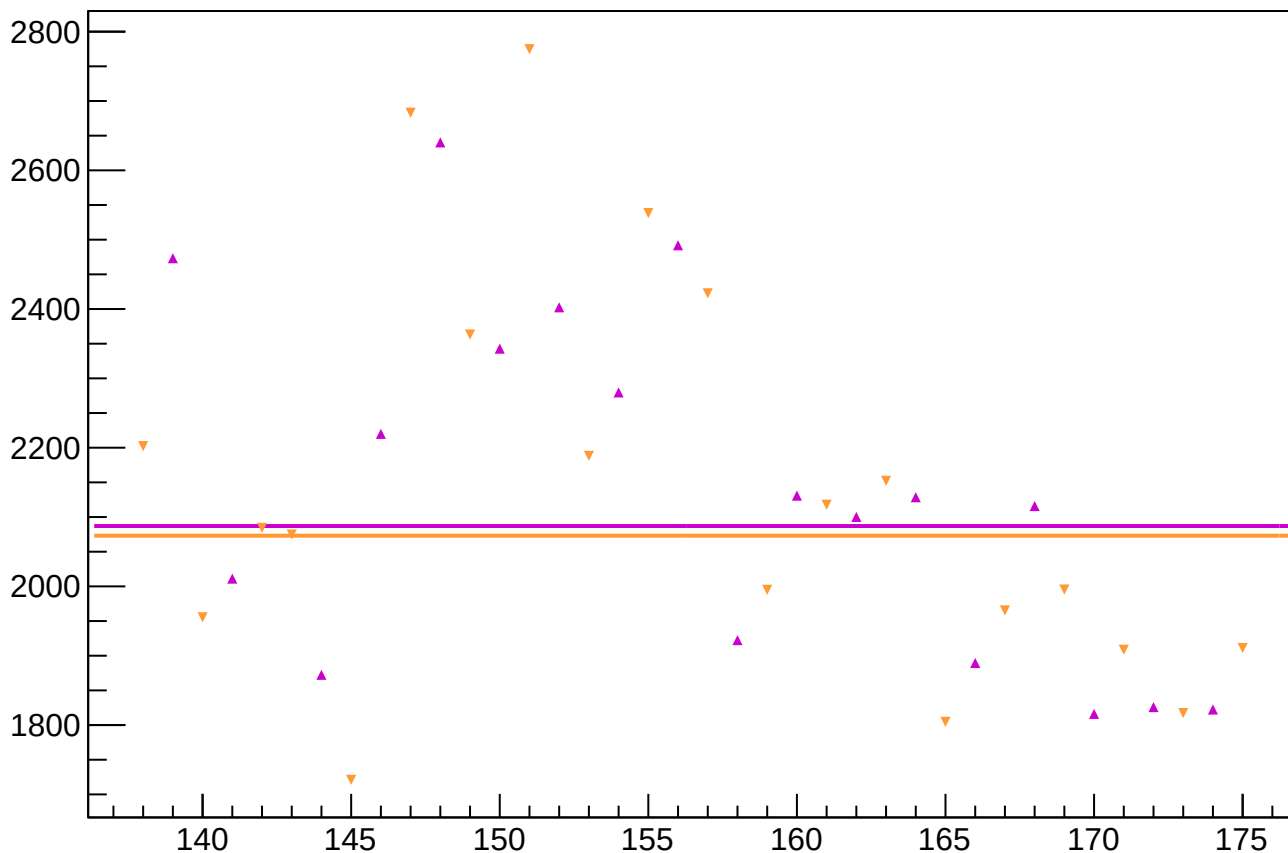
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.825+/-561.527 χ^2/NDF :31.8/17

Out: -1427.728+/-539.337 χ^2/NDF :36.5/19

All: -759.341+/-388.977 χ^2/NDF : 71.5/37

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2073.112+/-0.381 χ^2/NDF :461231.3/19

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

Left In: 2087.046+/-0.397 χ^2/NDF :362761.7/17

Left: 2079.798+/-0.275 χ^2/NDF : 824633.7/37

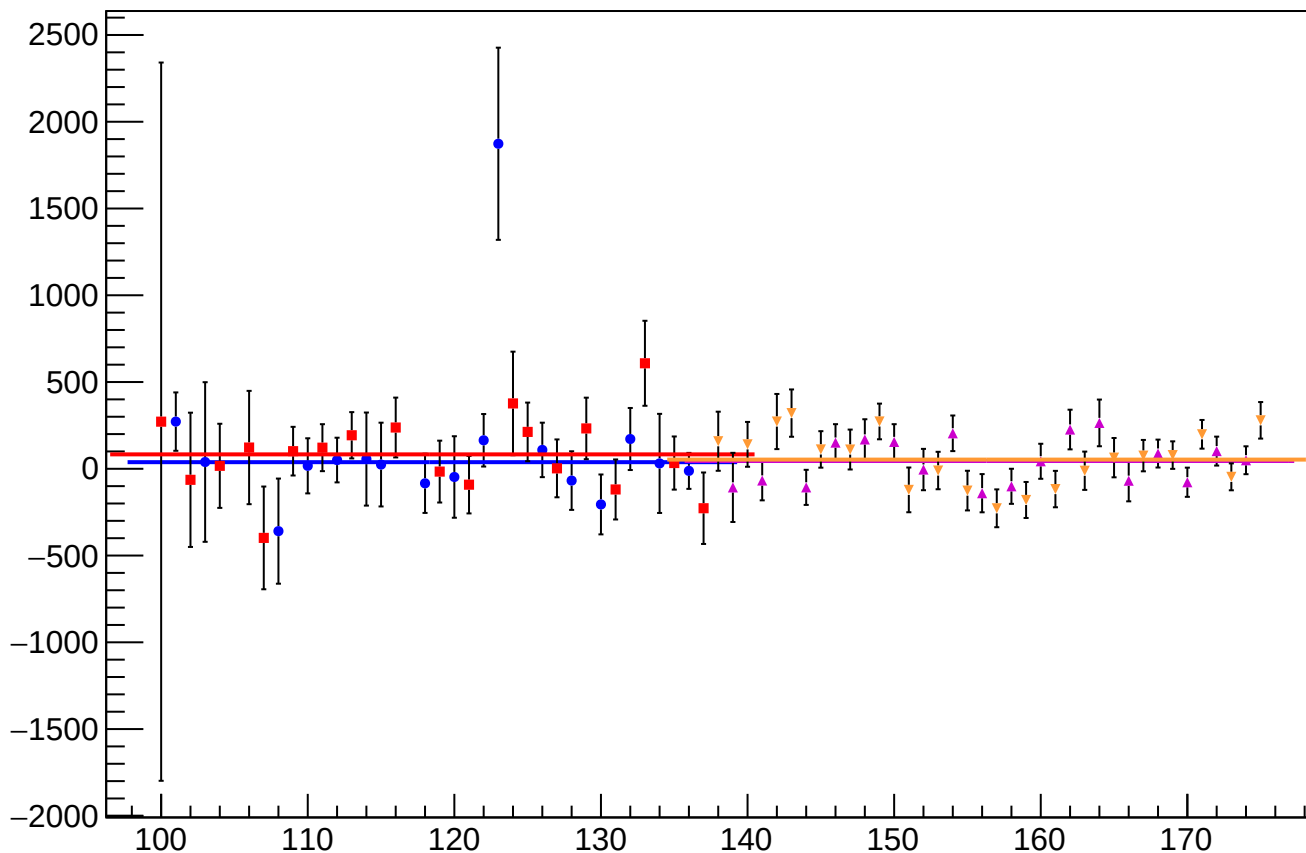
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2087.046+/-0.397 χ^2/NDF :362761.7/17

Out: 2073.112+/-0.381 χ^2/NDF :461231.3/19

All: 2079.798+/-0.275 χ^2/NDF : 824633.7/37

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2 /NDF: 19.4/16

Left Out: 52.939 $\pm$ 23.681 χ^2 /NDF:40.5/19

Right Out: 83.101 $\pm$ 43.098 χ^2 /NDF: 16.7/18

Left In: 44.834 $\pm$ 24.262 χ^2 /NDF:23.6/17

Left: 48.985 $\pm$ 16.947 χ^2 /NDF: 64.2/37

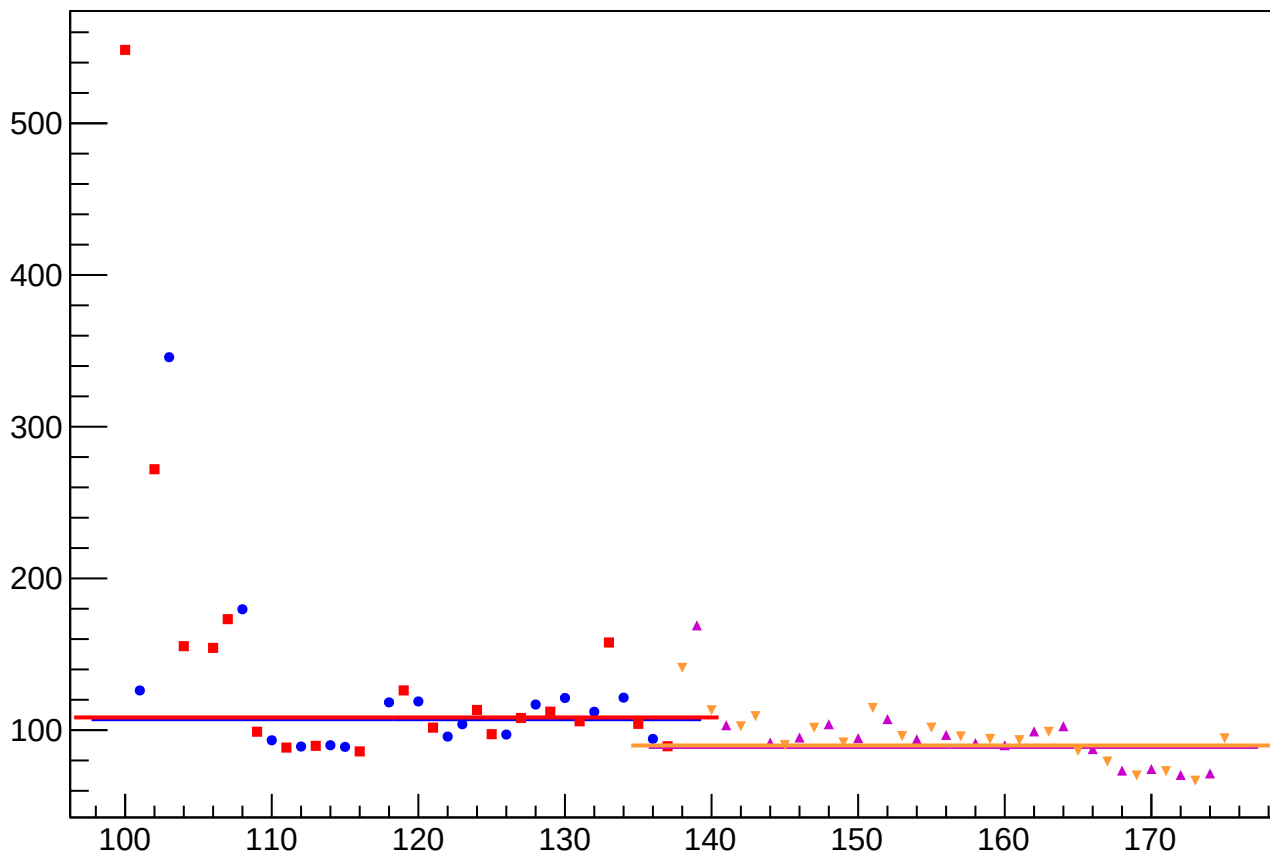
Right: 60.847 $\pm$ 30.633 χ^2 /NDF: 36.7/35

In: 43.245 $\pm$ 21.195 χ^2 /NDF:43.0/34

Out: 59.934 $\pm$ 20.755 χ^2 /NDF:57.6/38

All: 51.764 $\pm$ 14.829 χ^2 /NDF: 100.9/73

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 89.887 $\pm$ 0.017 χ^2 /NDF:866743.5/19

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

Left In: 88.930 $\pm$ 0.017 χ^2 /NDF:831133.9/17

Left: 89.420 $\pm$ 0.012 χ^2 /NDF: 1699468.3/37

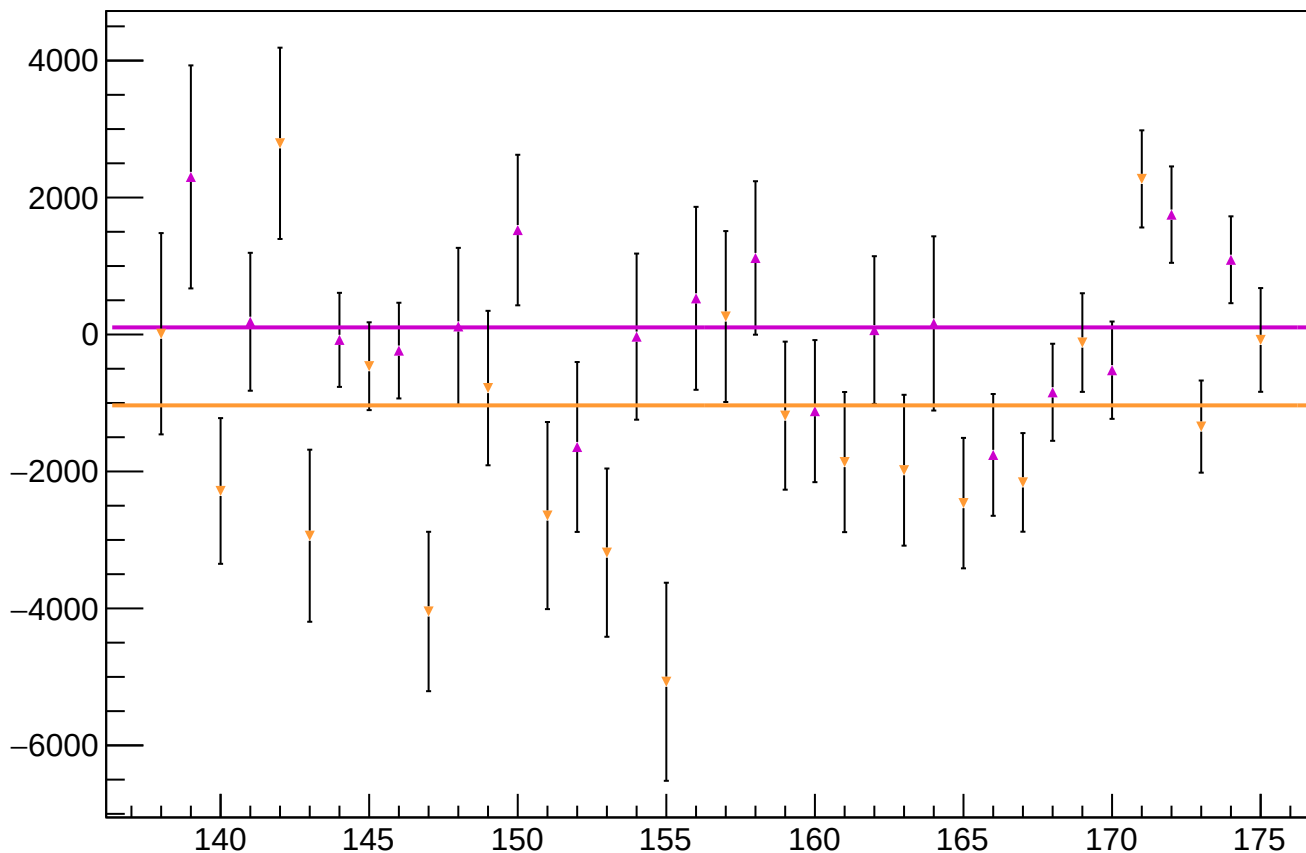
Right: 107.780 $\pm$ 0.022 χ^2 /NDF: 1761132.0/35

In: 93.255 $\pm$ 0.015 χ^2 /NDF:1942551.0/34

Out: 94.170 $\pm$ 0.015 χ^2 /NDF:2066237.9/38

All: 93.723 $\pm$ 0.010 χ^2 /NDF: 4010692.4/73

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1034.863+/-211.762 χ^2/NDF :63.8/19

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

Left In: 103.883+/-213.441 χ^2/NDF :23.0/17

Left: -469.987+/-150.328 χ^2/NDF : 101.1/37

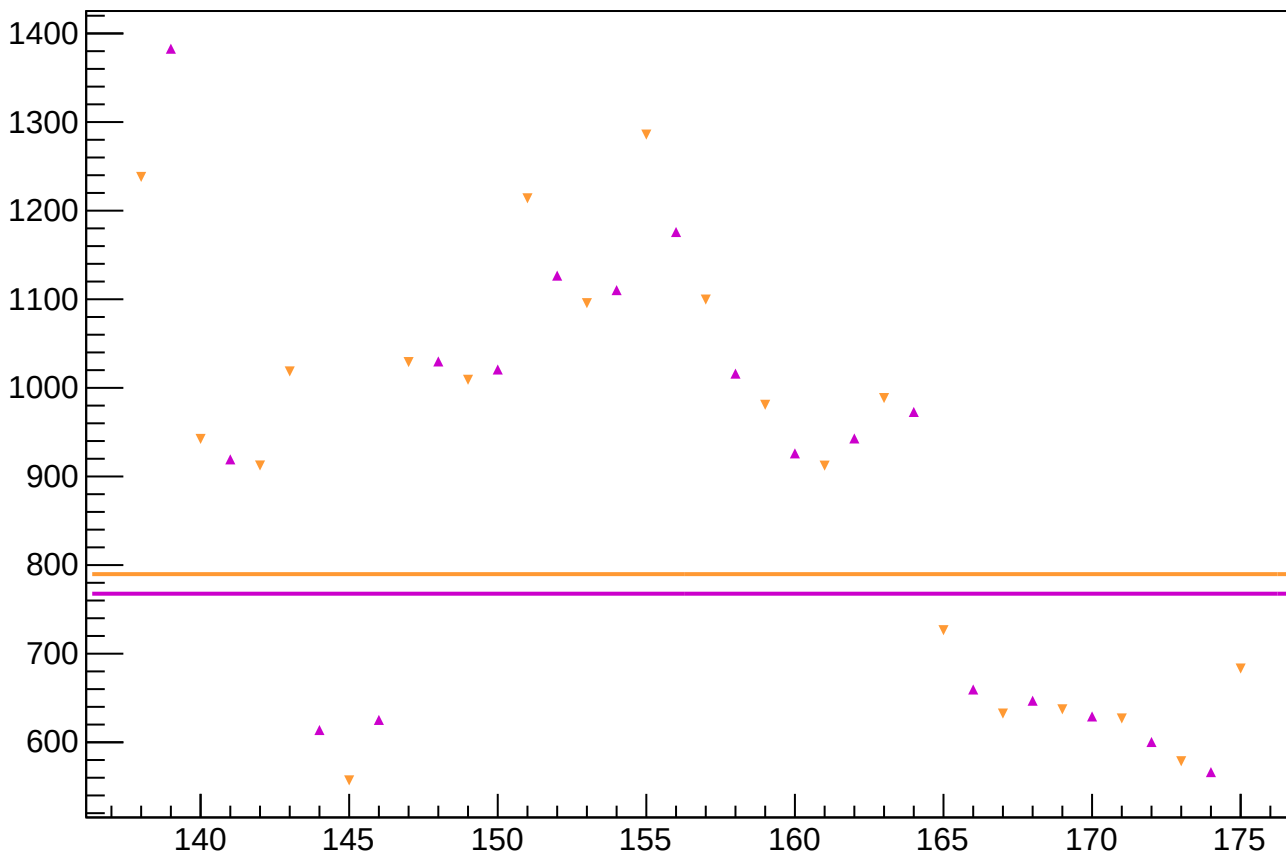
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 103.883+/-213.441 χ^2/NDF :23.0/17

Out: -1034.863+/-211.762 χ^2/NDF :63.8/19

All: -469.987+/-150.328 χ^2/NDF : 101.1/37

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 789.781+/-0.150 χ^2/NDF :2100423.3/19

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

Left In: 767.694+/-0.151 χ^2/NDF :1966262.9/17

Left: 778.825+/-0.106 χ^2/NDF : 4077478.7/37

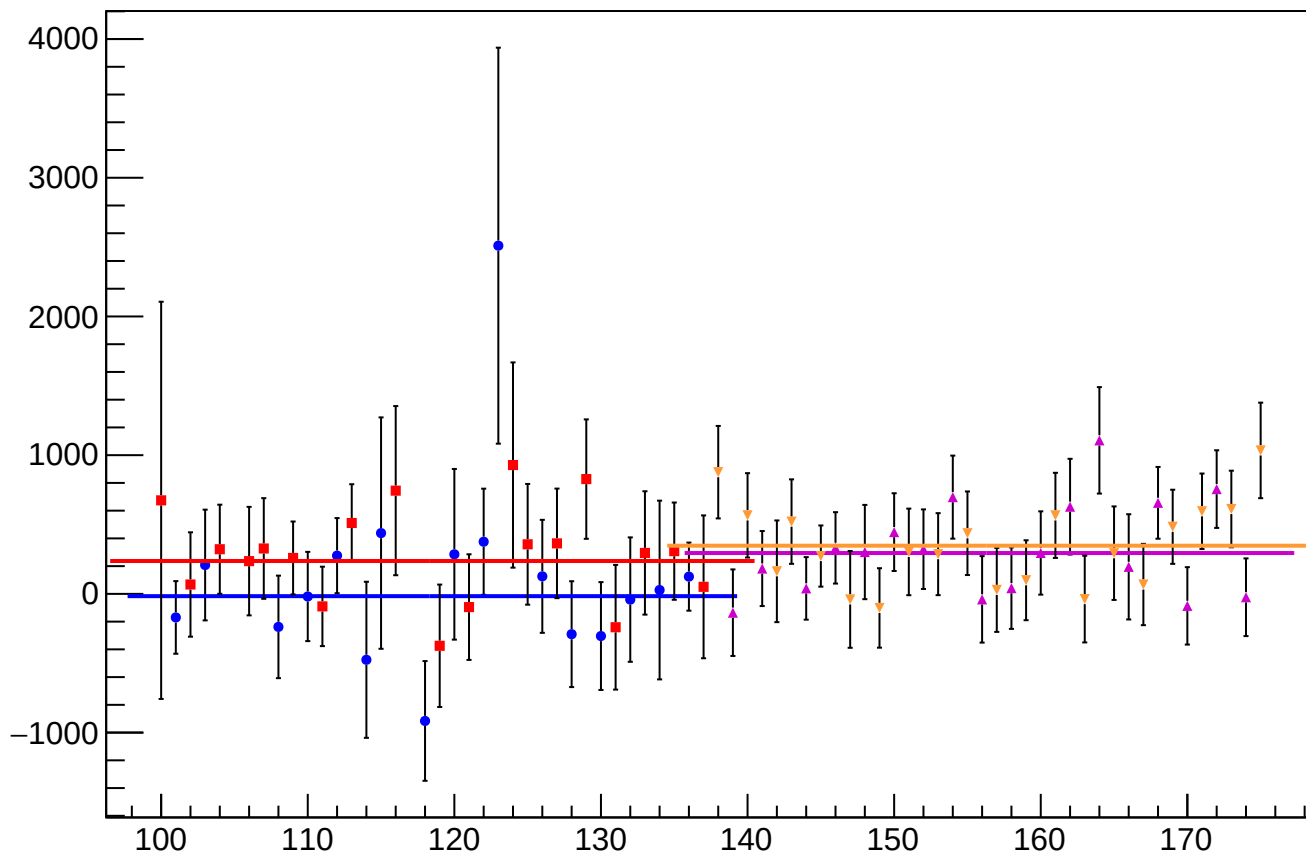
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 767.694+/-0.151 χ^2/NDF :1966262.9/17

Out: 789.781+/-0.150 χ^2/NDF :2100423.3/19

All: 778.825+/-0.106 χ^2/NDF : 4077478.7/37

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 347.275 ± 66.663 $\chi^2/\text{NDF}: 18.4/19$

Right Out: 236.984 ± 88.937 $\chi^2/\text{NDF}: 10.3/18$

Left In: 294.533 ± 68.707 $\chi^2/\text{NDF}: 20.7/17$

Left: 321.700 ± 47.844 $\chi^2/\text{NDF}: 39.4/37$

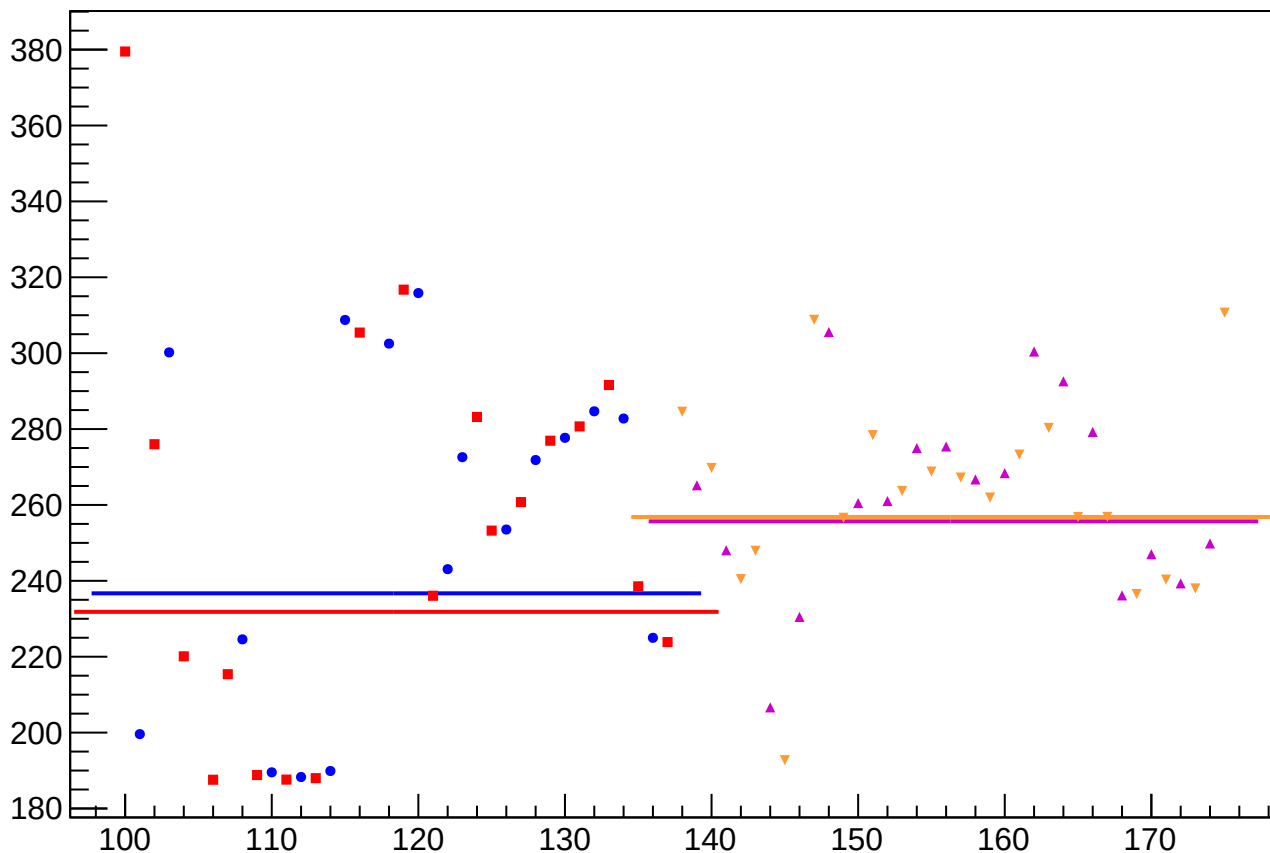
Right: 116.305 ± 64.370 $\chi^2/\text{NDF}: 27.6/35$

In: 185.159 ± 55.321 $\chi^2/\text{NDF}: 41.3/34$

Out: 307.601 ± 53.342 $\chi^2/\text{NDF}: 29.7/38$

All: 248.610 ± 38.399 $\chi^2/\text{NDF}: 73.6/73$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 256.828 $\pm$ 0.047 χ^2 /NDF: 347274.2/19

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

Left In: 255.672 $\pm$ 0.049 χ^2 /NDF: 265151.1/17

Left: 256.267 $\pm$ 0.034 χ^2 /NDF: 612716.8/37

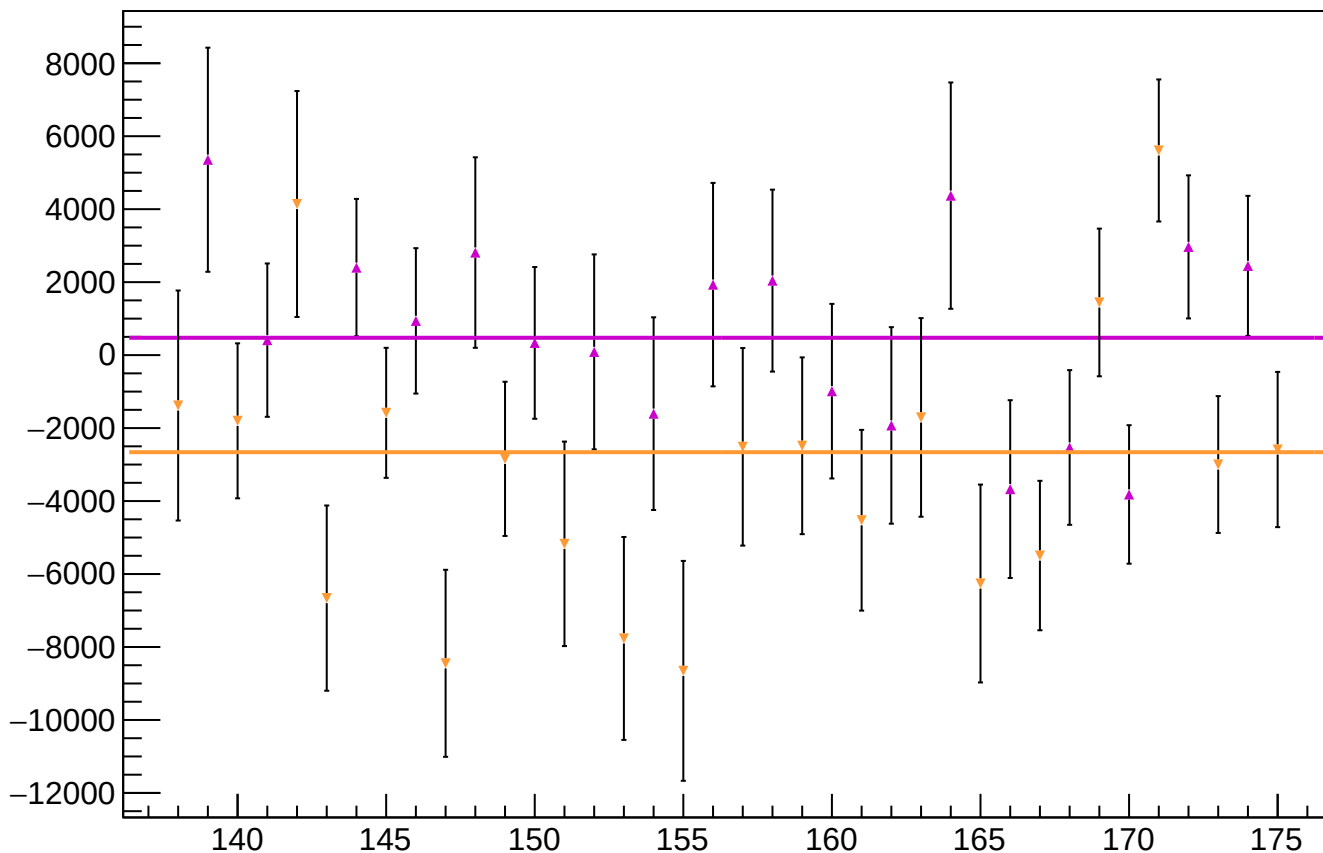
Right: 234.151 $\pm$ 0.046 χ^2 /NDF: 836486.0/35

In: 249.002 $\pm$ 0.039 χ^2 /NDF: 709091.6/34

Out: 247.835 $\pm$ 0.038 χ^2 /NDF: 891730.0/38

All: 248.397 $\pm$ 0.027 χ^2 /NDF: 1601282.8/73

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2660.516+/-524.681 χ^2/NDF :47.8/19

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

Left In: 475.001+/-539.661 χ^2/NDF :21.2/17

Left: -1136.877+/-376.190 χ^2/NDF : 86.3/37

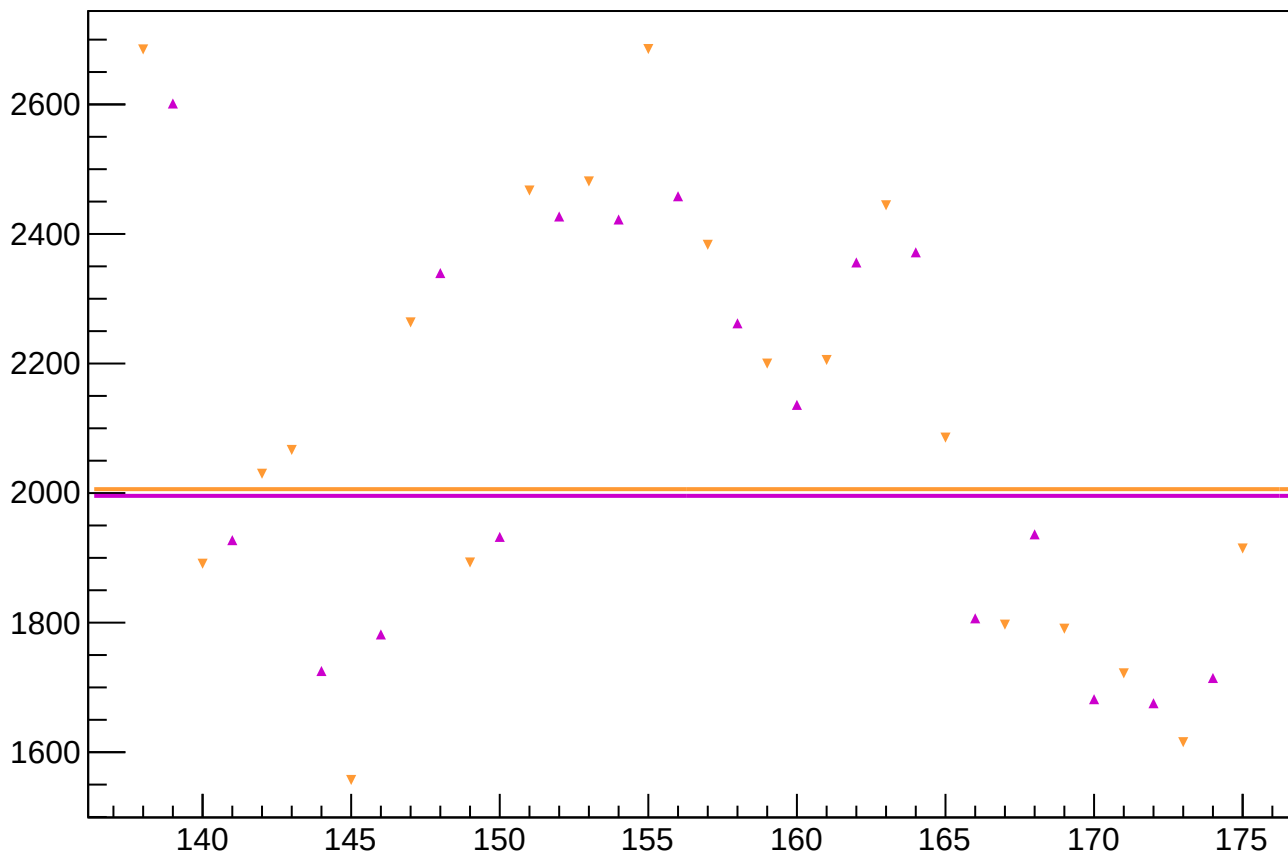
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 475.001+/-539.661 χ^2/NDF :21.2/17

Out: -2660.516+/-524.681 χ^2/NDF :47.8/19

All: -1136.877+/-376.190 χ^2/NDF : 86.3/37

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2006.077+/-0.371 χ^2/NDF :761798.5/19

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

Left In: 1995.724+/-0.382 χ^2/NDF :599513.7/17

Left: 2001.046+/-0.266 χ^2/NDF : 1361690.5/37

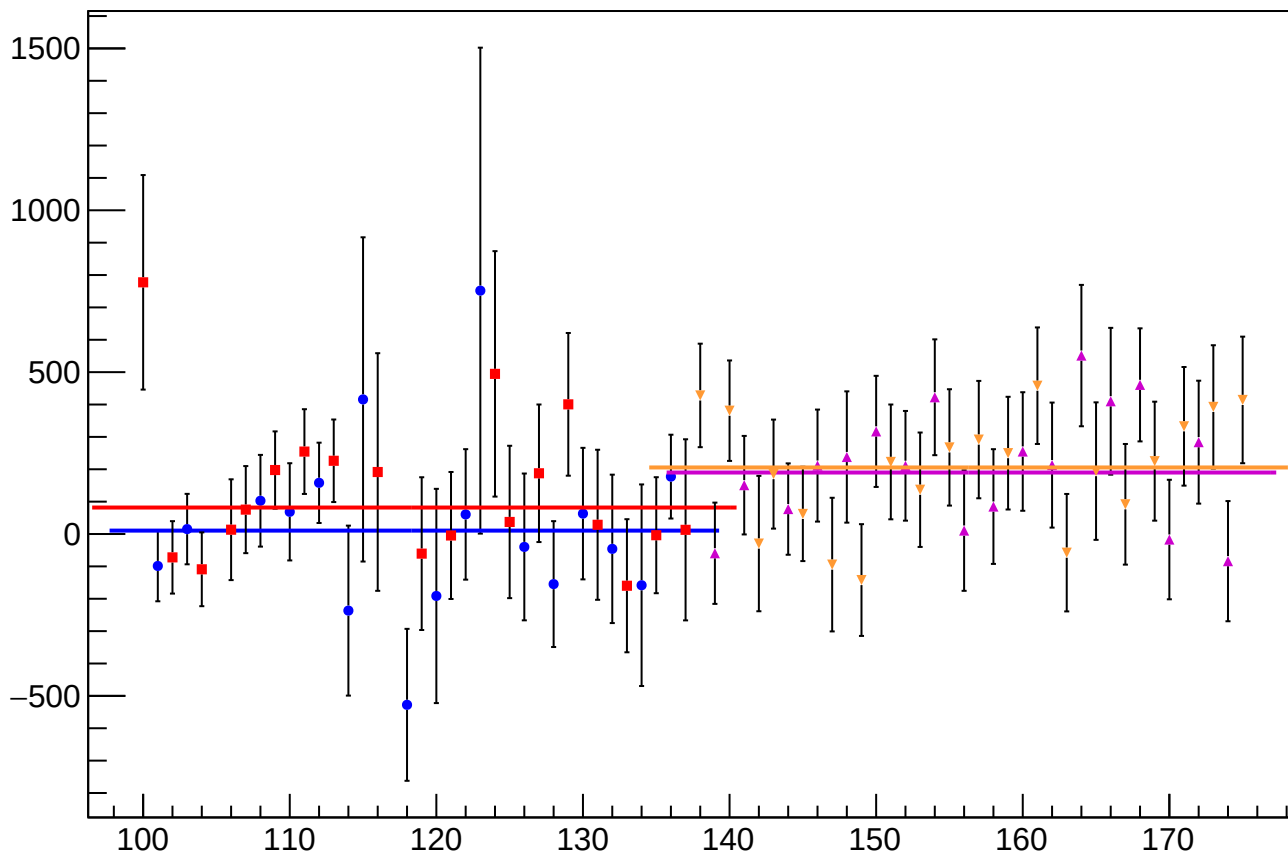
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1995.724+/-0.382 χ^2/NDF :599513.7/17

Out: 2006.077+/-0.371 χ^2/NDF :761798.5/19

All: 2001.046+/-0.266 χ^2/NDF : 1361690.5/37

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 205.587+/-39.951 χ^2/NDF :19.3/19

Right Out: 81.802+/-38.985 χ^2/NDF : 19.2/18

Left In: 189.934+/-41.933 χ^2/NDF :16.8/17

Left: 198.140+/-28.925 χ^2/NDF : 36.1/37

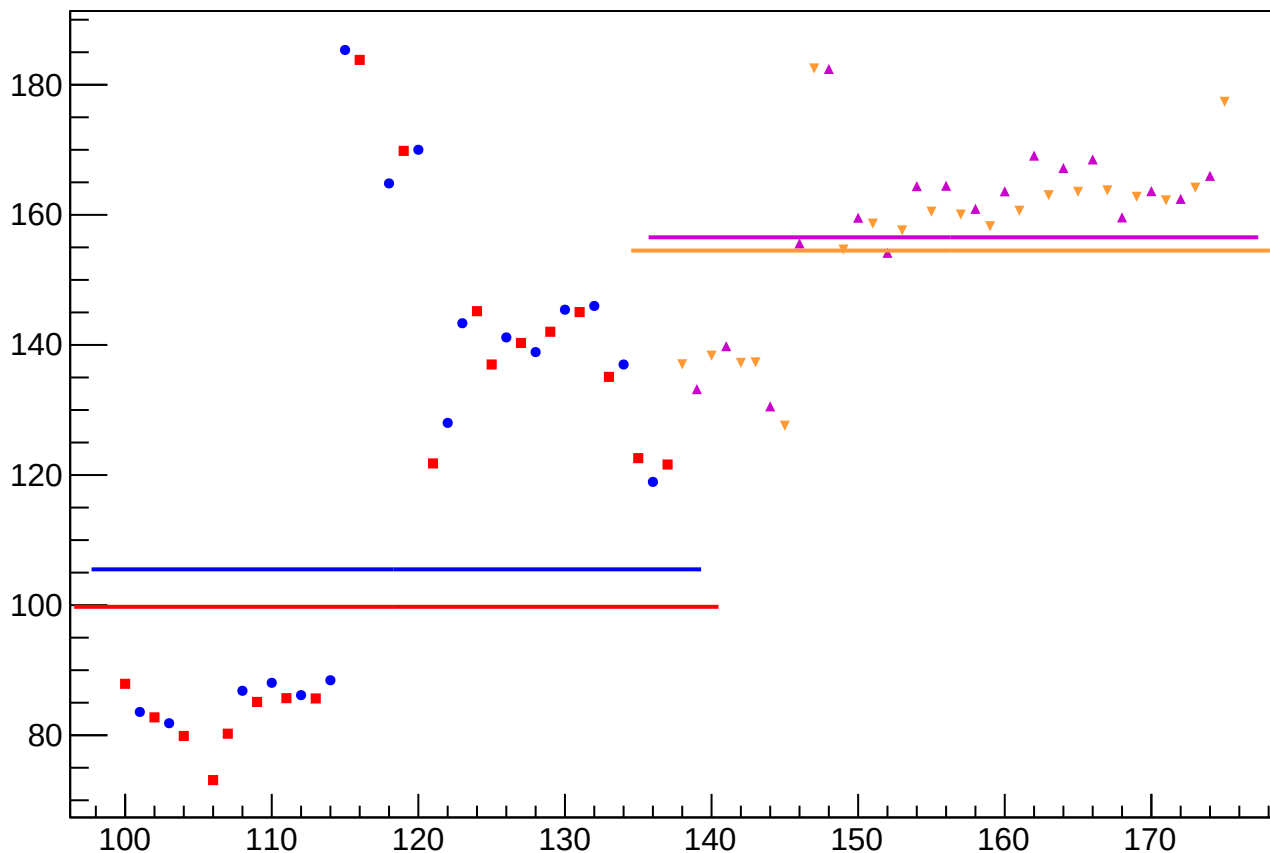
Right: 49.063+/-28.665 χ^2/NDF : 34.8/35

In: 101.001+/-29.778 χ^2/NDF :39.9/34

Out: 142.179+/-27.902 χ^2/NDF :43.4/38

All: 122.928+/-20.361 χ^2/NDF : 84.3/73

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 154.510 $\pm$ 0.028 χ^2 /NDF: 247261.9/19

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

Left In: 156.552 $\pm$ 0.030 χ^2 /NDF: 211342.0/17

Left: 155.482 $\pm$ 0.020 χ^2 /NDF: 461089.0/37

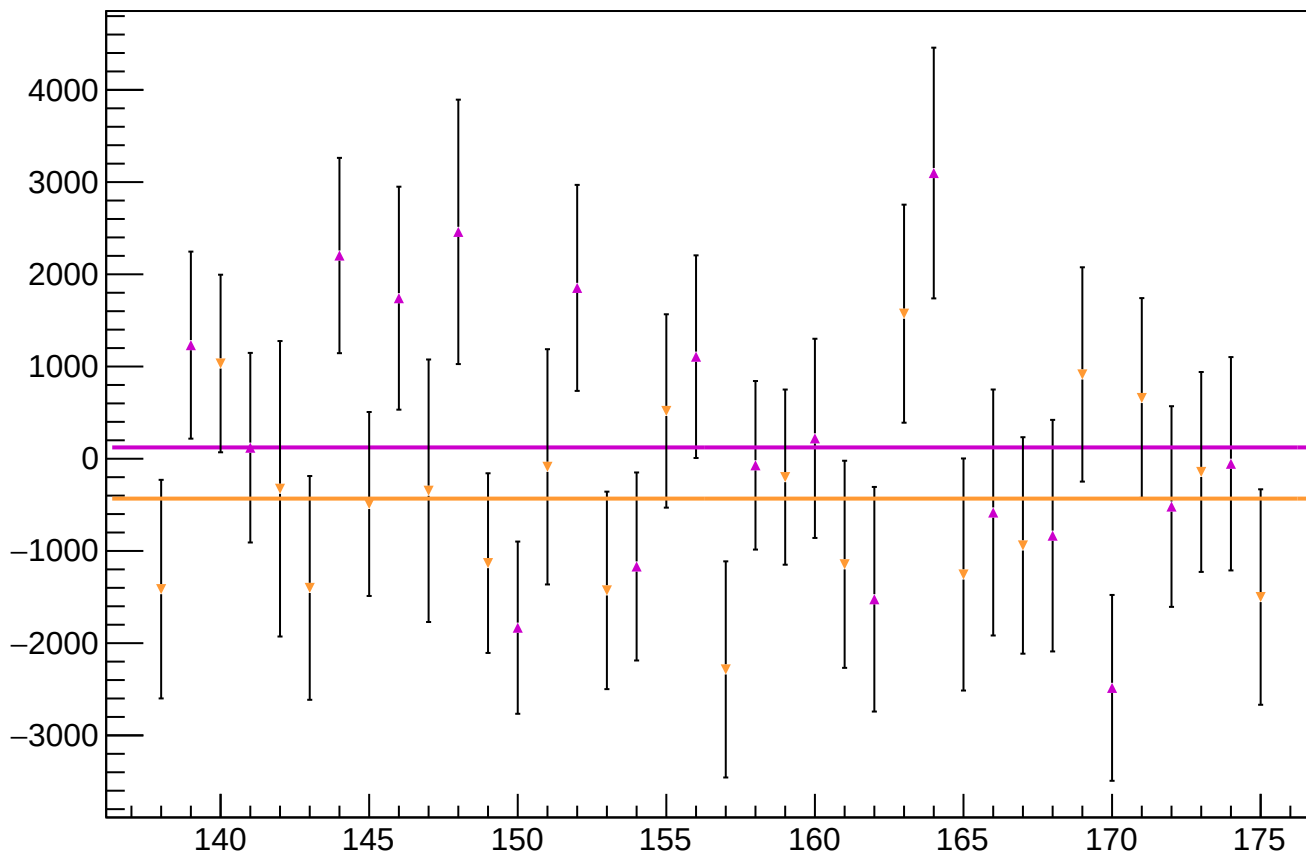
Right: 102.389 $\pm$ 0.020 χ^2 /NDF: 1889165.6/35

In: 131.246 $\pm$ 0.021 χ^2 /NDF: 2549706.6/34

Out: 126.457 $\pm$ 0.020 χ^2 /NDF: 3172533.7/38

All: 128.696 $\pm$ 0.014 χ^2 /NDF: 5749789.3/73

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -432.286+/-252.488 χ^2/NDF :15.6/19

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

Left In: 122.738+/-260.273 χ^2/NDF :33.3/17

Left: -163.199+/-181.226 χ^2/NDF : 51.3/37

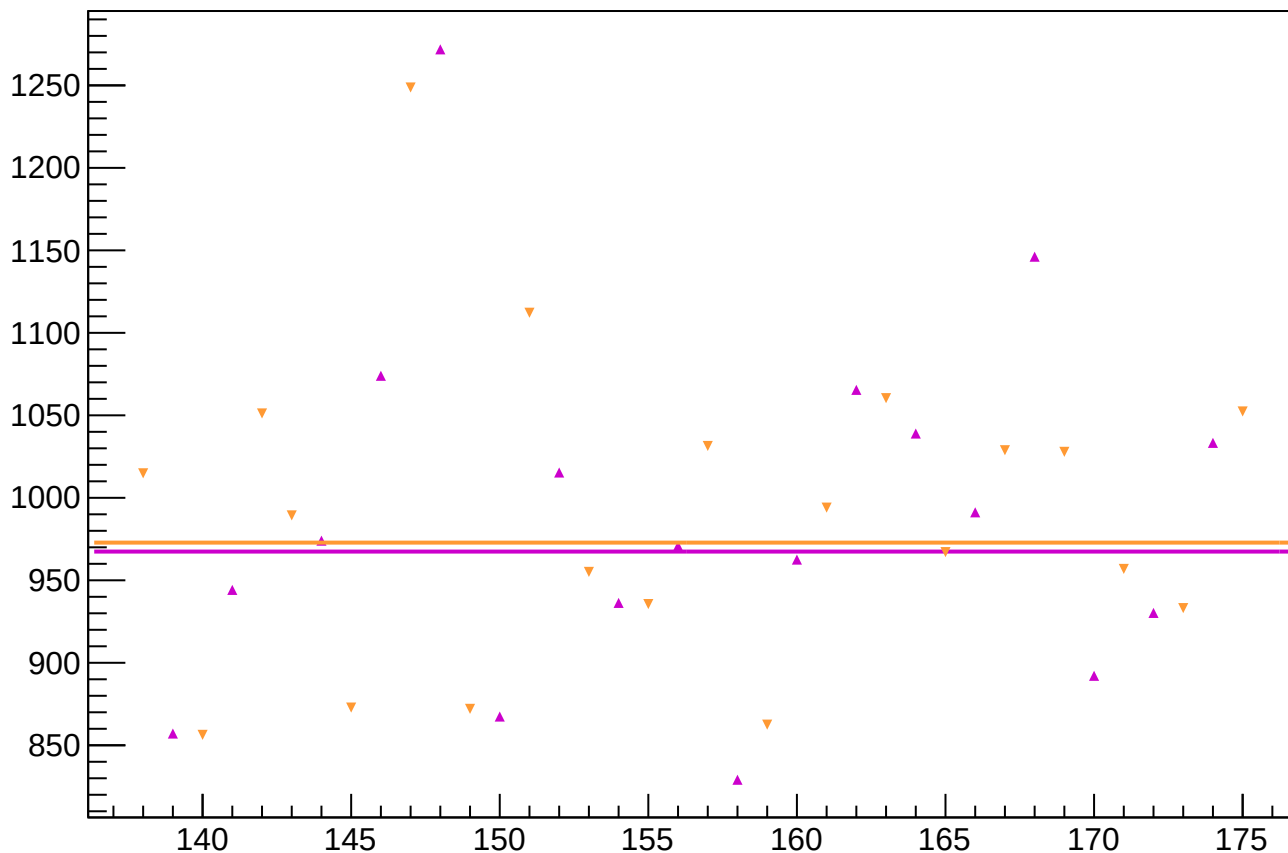
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 122.738+/-260.273 χ^2/NDF :33.3/17

Out: -432.286+/-252.488 χ^2/NDF :15.6/19

All: -163.199+/-181.226 χ^2/NDF : 51.3/37

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 972.852+/-0.179 χ^2/NDF : 245622.2/19

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

Left In: 967.413+/-0.184 χ^2/NDF : 284449.5/17

Left: 970.215+/-0.128 χ^2/NDF : 530521.6/37

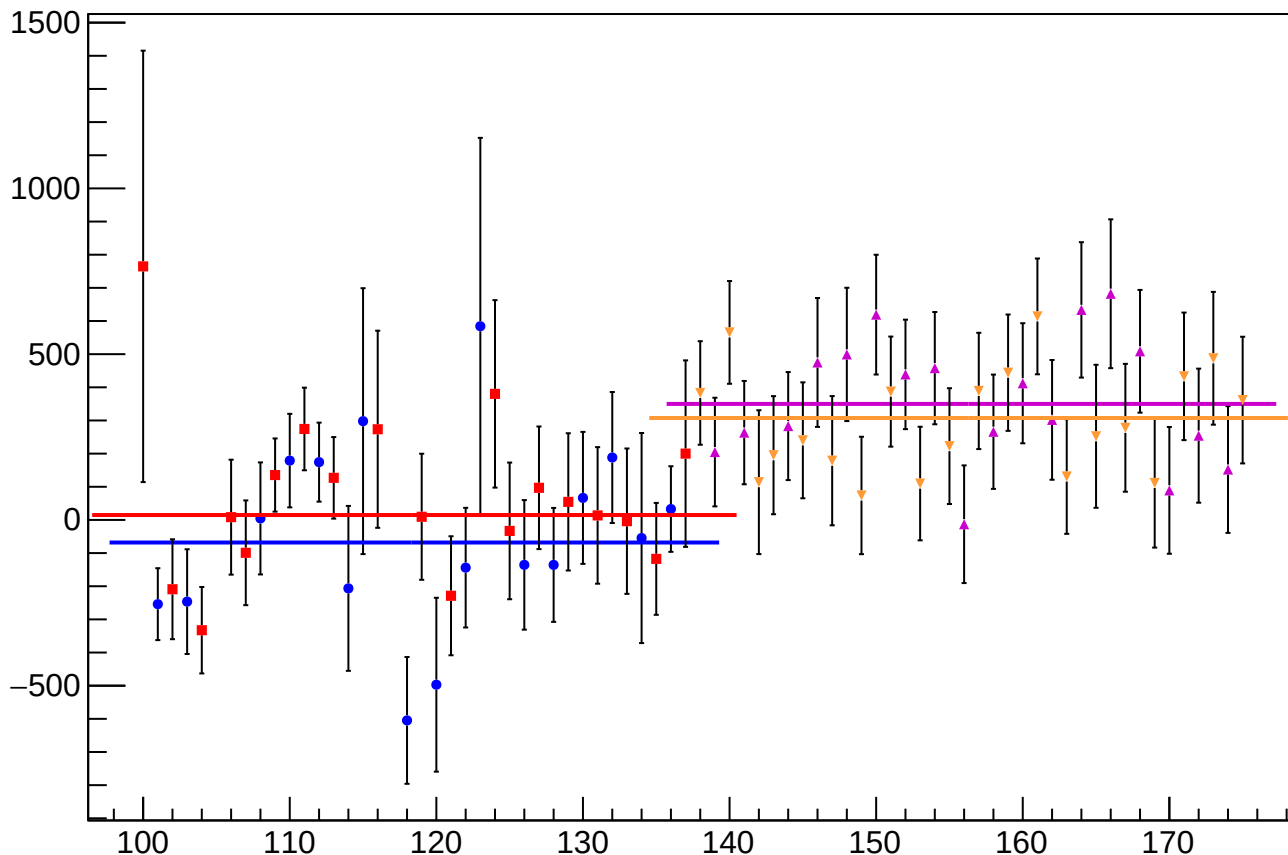
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 967.413+/-0.184 χ^2/NDF : 284449.5/17

Out: 972.852+/-0.179 χ^2/NDF : 245622.2/19

All: 970.215+/-0.128 χ^2/NDF : 530521.6/37

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 307.466 ± 40.334 χ^2/NDF : 15.7/19

Right Out: 14.800 ± 39.467 χ^2/NDF : 23.1/18

Left In: 349.950 ± 42.705 χ^2/NDF : 17.8/17

Left: 327.496 ± 29.323 χ^2/NDF : 34.0/37

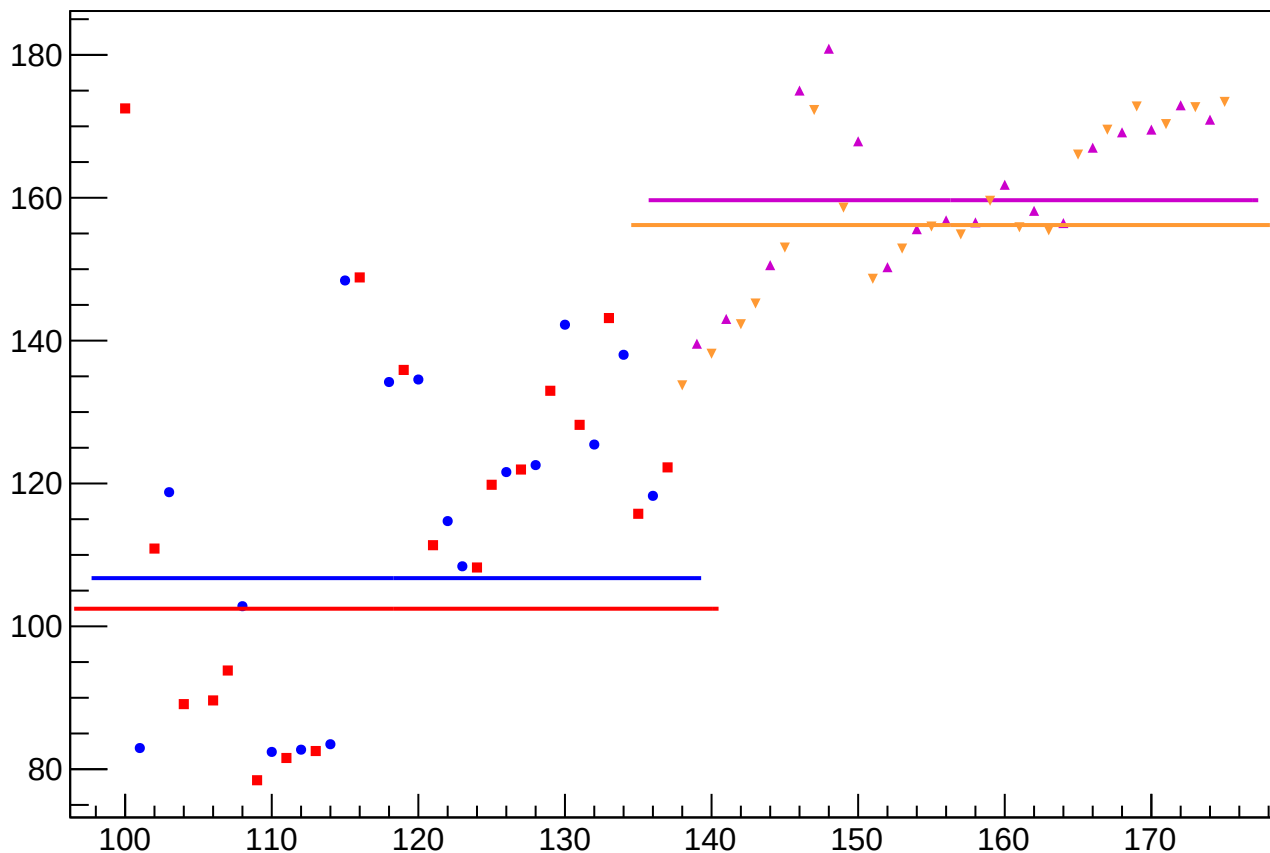
Right: -23.820 ± 28.846 χ^2/NDF : 53.0/35

In: 138.758 ± 30.040 χ^2/NDF : 94.0/34

Out: 157.952 ± 28.209 χ^2/NDF : 65.7/38

All: 148.958 ± 20.564 χ^2/NDF : 159.9/73

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 156.181 $\pm$ 0.029 χ^2 /NDF:173472.2/19

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

Left In: 159.659 $\pm$ 0.030 χ^2 /NDF:136002.7/17

Left: 157.821 $\pm$ 0.021 χ^2 /NDF: 316486.4/37

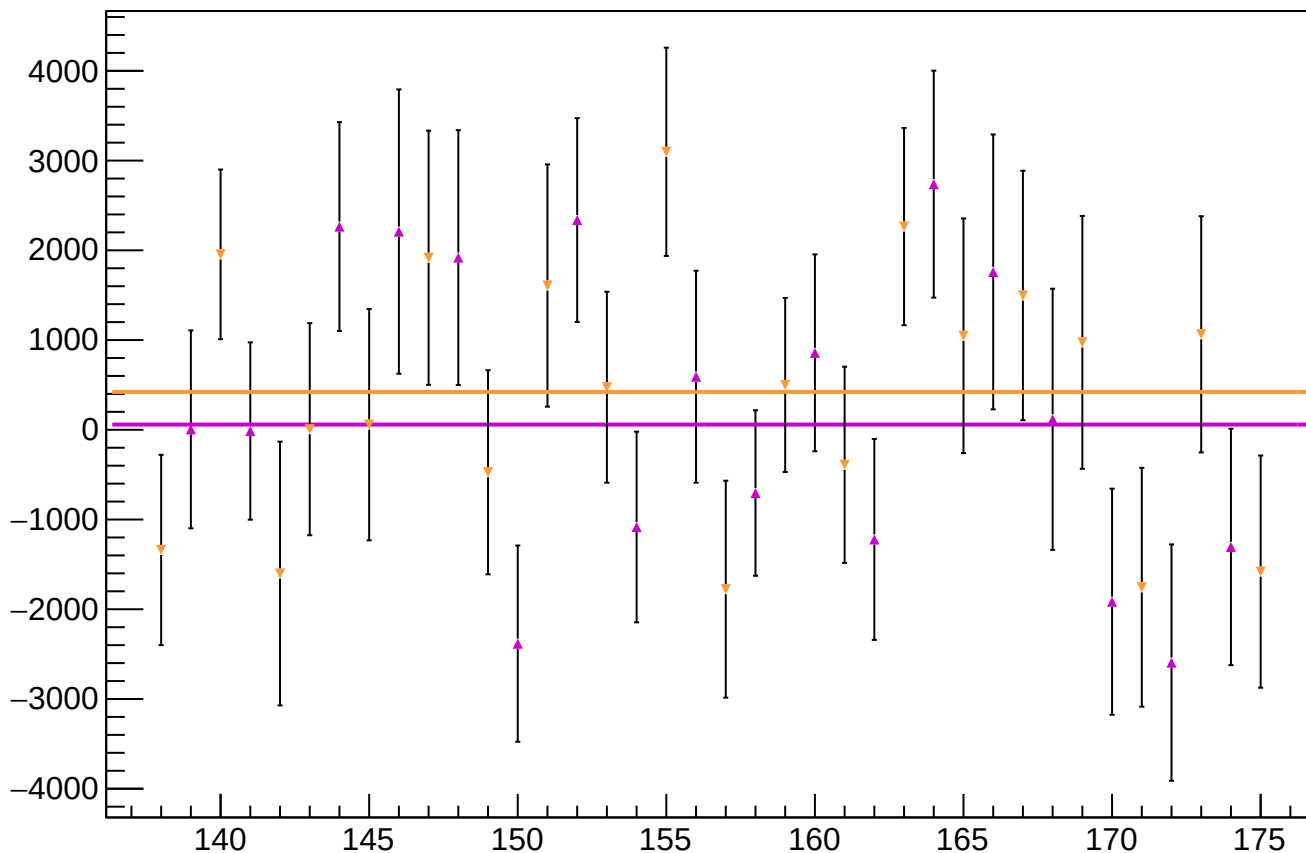
Right: 104.462 $\pm$ 0.020 χ^2 /NDF: 1102055.3/35

In: 132.931 $\pm$ 0.021 χ^2 /NDF:2188635.8/34

Out: 128.740 $\pm$ 0.020 χ^2 /NDF:2574853.9/38

All: 130.704 $\pm$ 0.015 χ^2 /NDF: 4784170.7/73

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 421.968+/-267.338 χ^2/NDF :28.3/19

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

Left In: 58.424+/-279.460 χ^2/NDF :33.4/17

Left: 248.251+/-193.180 χ^2/NDF : 62.5/37

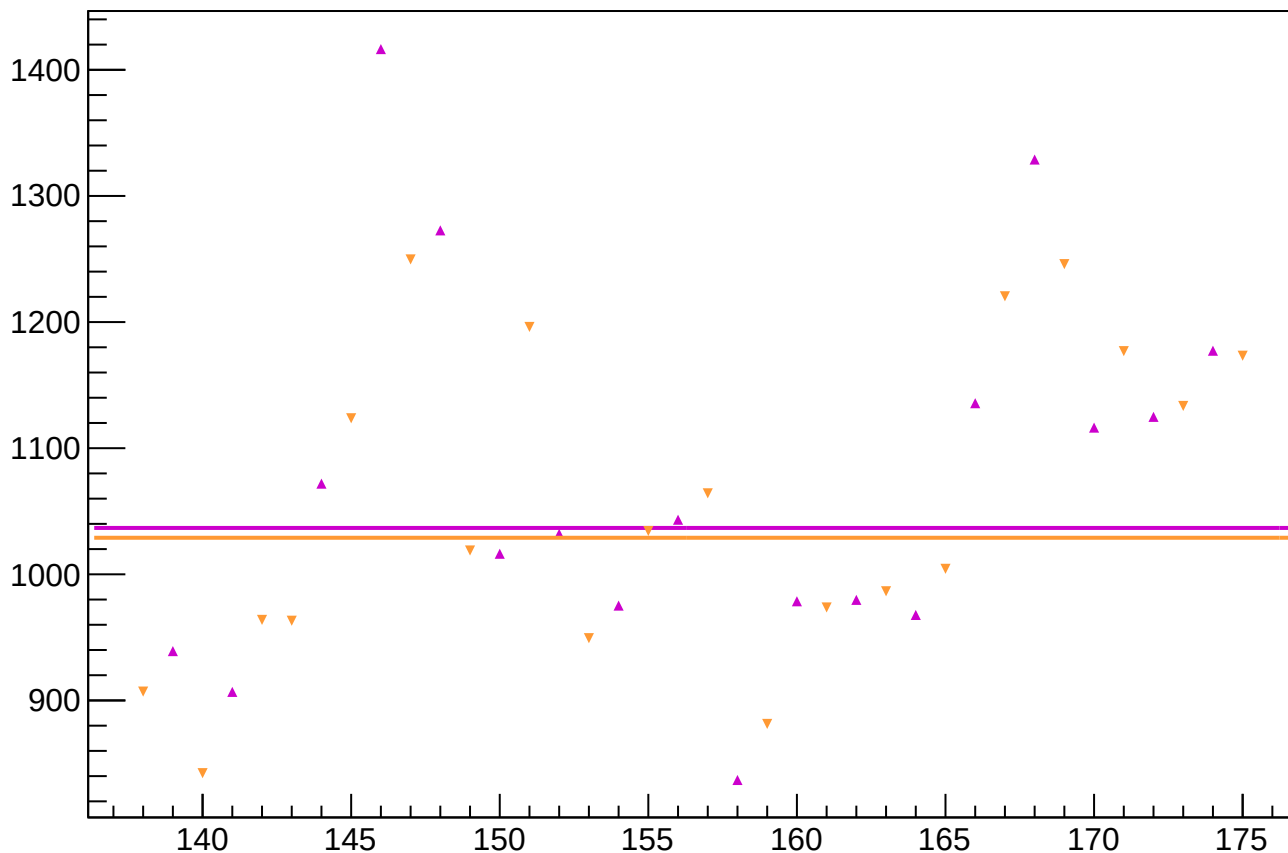
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 58.424+/-279.460 χ^2/NDF :33.4/17

Out: 421.968+/-267.338 χ^2/NDF :28.3/19

All: 248.251+/-193.180 χ^2/NDF : 62.5/37

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1028.987+/-0.189 χ^2/NDF : 420397.1/19

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

Left In: 1036.776+/-0.198 χ^2/NDF : 468945.3/17

Left: 1032.709+/-0.137 χ^2/NDF : 890153.8/37

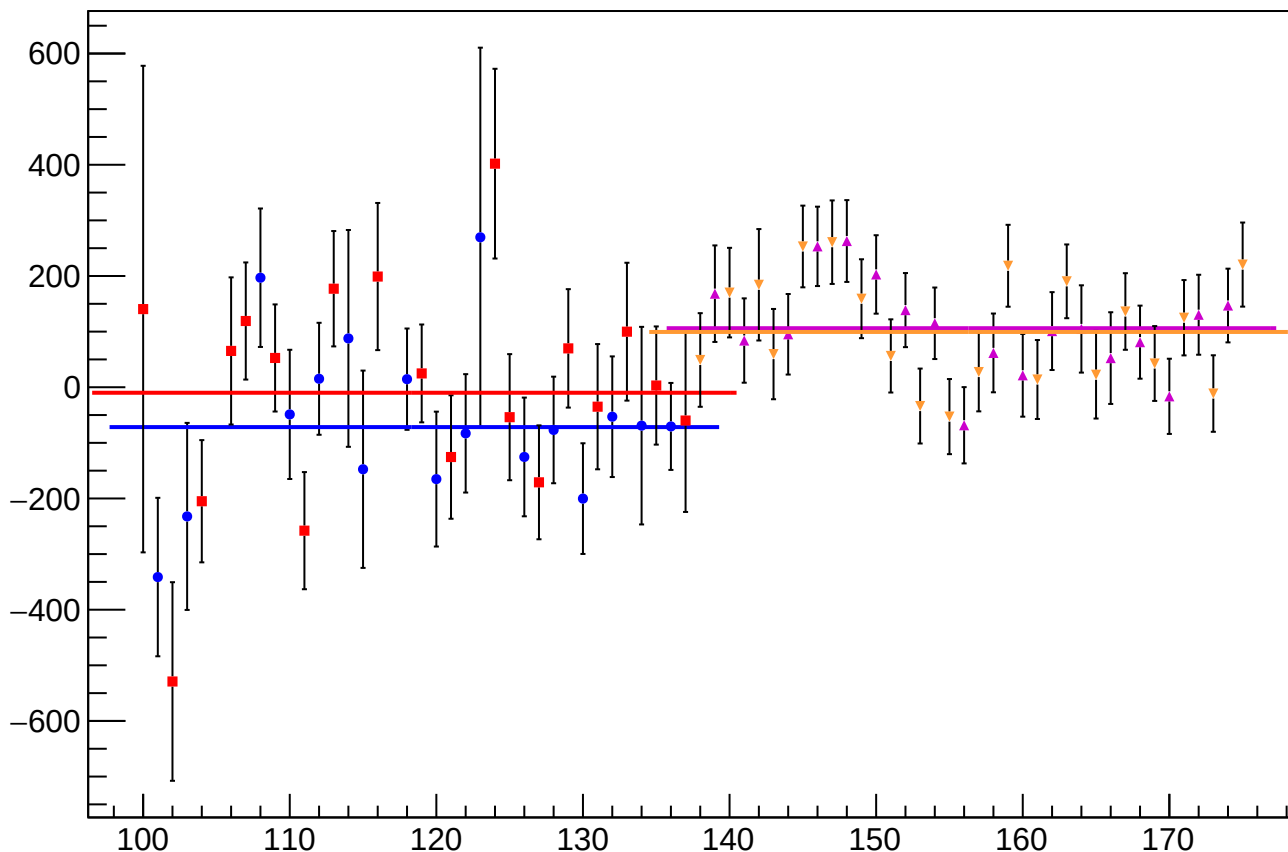
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1036.776+/-0.198 χ^2/NDF : 468945.3/17

Out: 1028.987+/-0.189 χ^2/NDF : 420397.1/19

All: 1032.709+/-0.137 χ^2/NDF : 890153.8/37

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 99.395 ± 16.251 $\chi^2/\text{NDF}: 35.4/19$

Right Out: -9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

Left In: 106.136 ± 16.843 $\chi^2/\text{NDF}: 24.1/17$

Left: 102.645 ± 11.695 $\chi^2/\text{NDF}: 59.6/37$

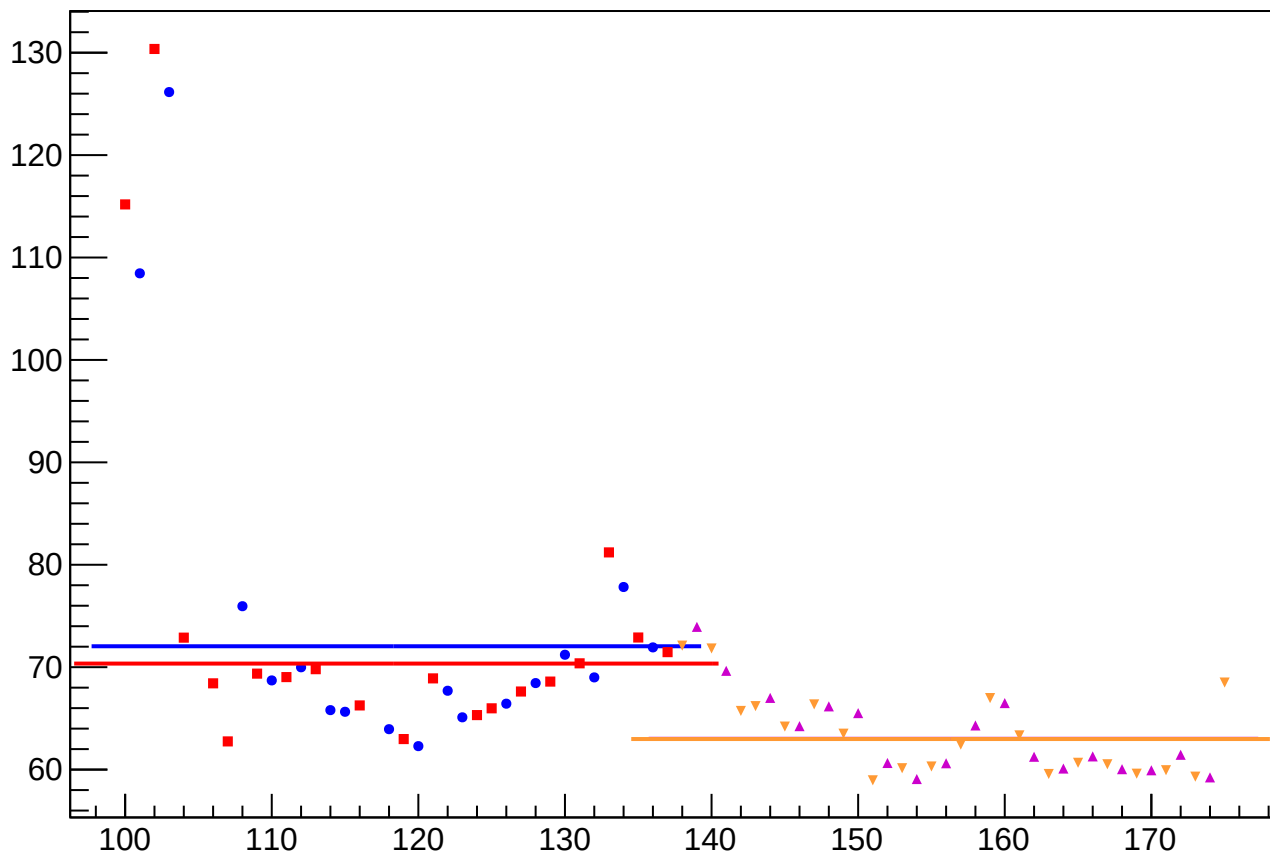
Right: -39.068 ± 19.484 $\chi^2/\text{NDF}: 54.2/35$

In: 59.770 ± 14.481 $\chi^2/\text{NDF}: 68.4/34$

Out: 70.033 ± 13.898 $\chi^2/\text{NDF}: 84.1/38$

All: 65.112 ± 10.027 $\chi^2/\text{NDF}: 152.7/73$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 62.984 $\pm$ 0.011 χ^2 /NDF: 112303.0/19

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

Left In: 63.006 $\pm$ 0.012 χ^2 /NDF: 97940.7/17

Left: 62.995 $\pm$ 0.008 χ^2 /NDF: 210245.5/37

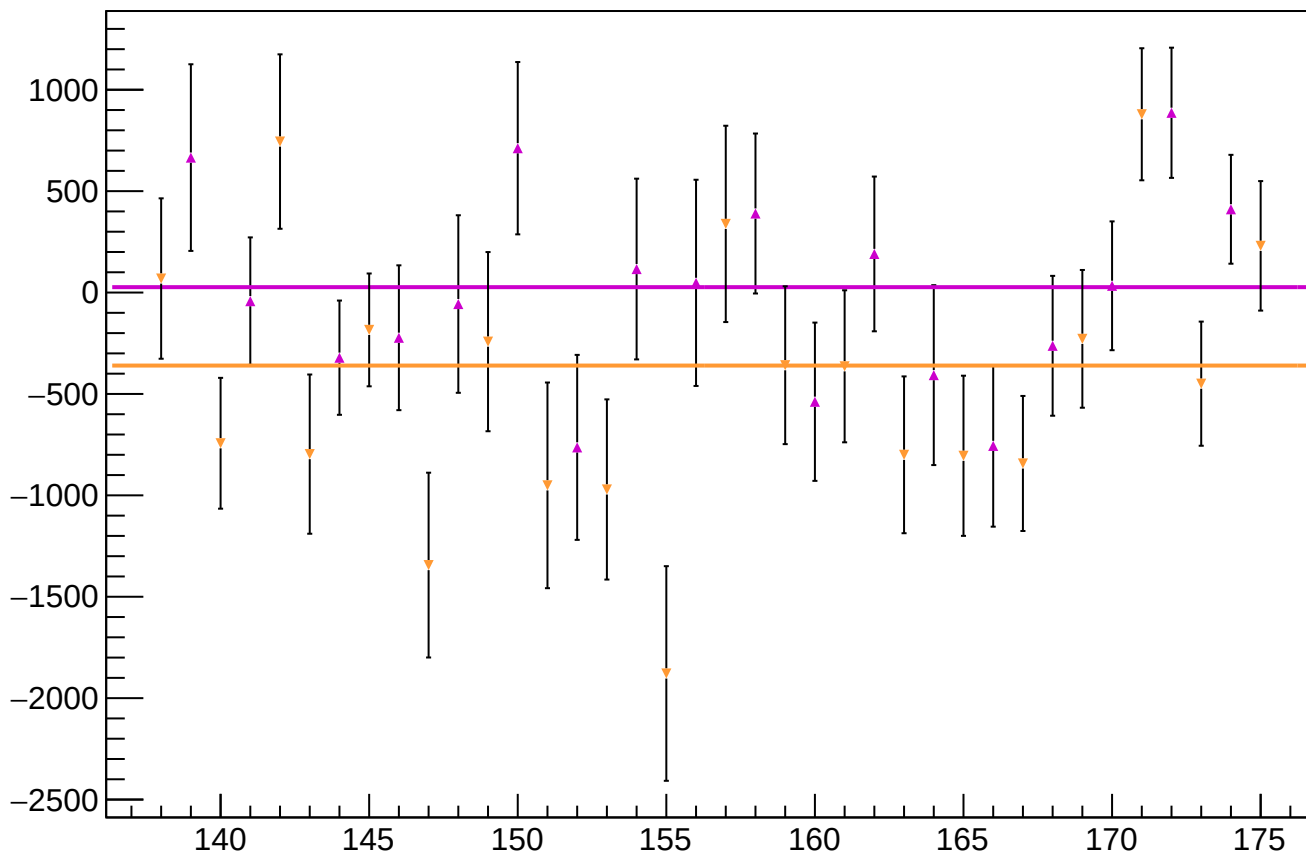
Right: 71.149 $\pm$ 0.014 χ^2 /NDF: 694733.5/35

In: 65.363 $\pm$ 0.010 χ^2 /NDF: 640021.5/34

Out: 64.963 $\pm$ 0.010 χ^2 /NDF: 521709.0/38

All: 65.155 $\pm$ 0.007 χ^2 /NDF: 1162524.6/73

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -360.007+/-83.921 χ^2/NDF :51.9/19

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

Left In: 26.582+/-86.738 χ^2/NDF :27.5/17

Left: -173.092+/-60.312 χ^2/NDF : 89.7/37

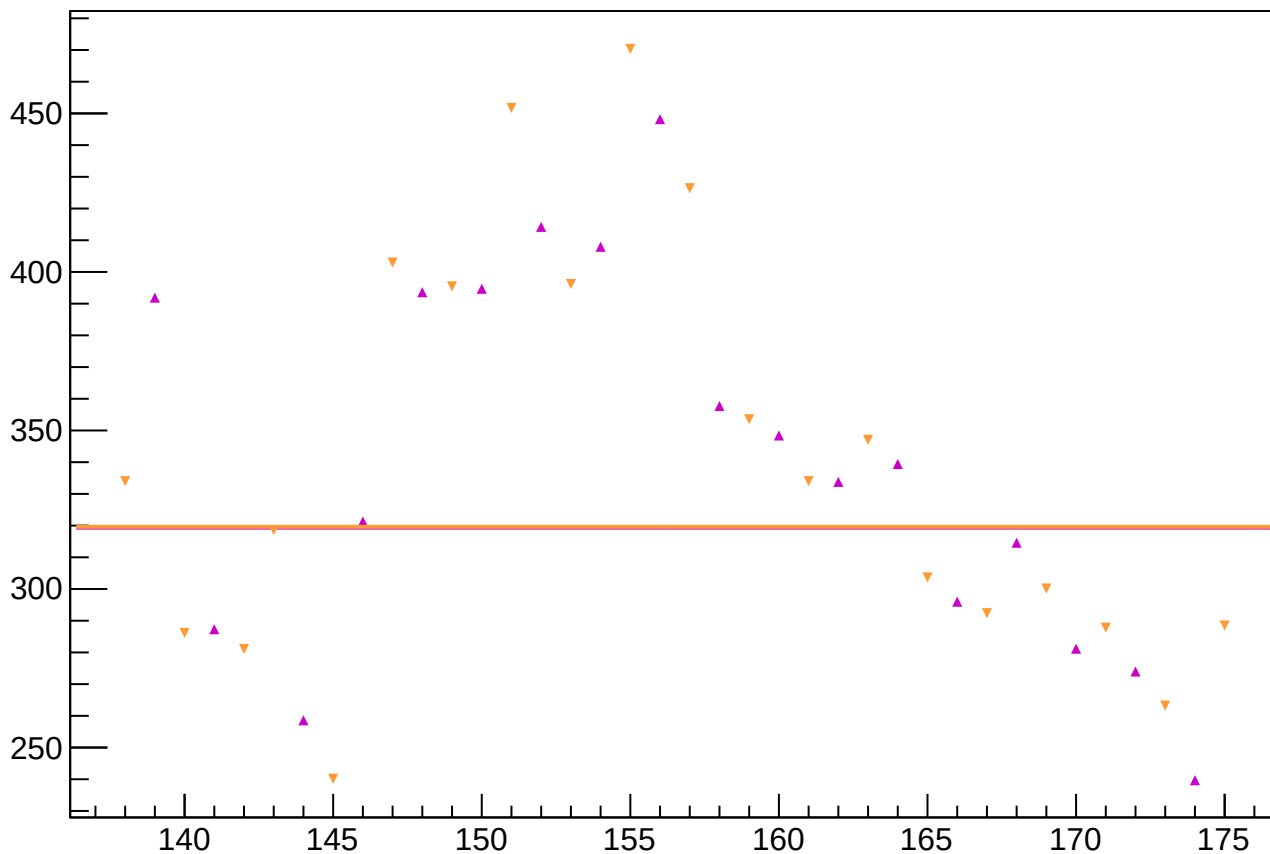
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 26.582+/-86.738 χ^2/NDF :27.5/17

Out: -360.007+/-83.921 χ^2/NDF :51.9/19

All: -173.092+/-60.312 χ^2/NDF : 89.7/37

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 319.620+/-0.059 χ^2/NDF :941541.2/19

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

Left In: 319.366+/-0.061 χ^2/NDF :867288.8/17

Left: 319.497+/-0.043 χ^2/NDF : 1808838.8/37

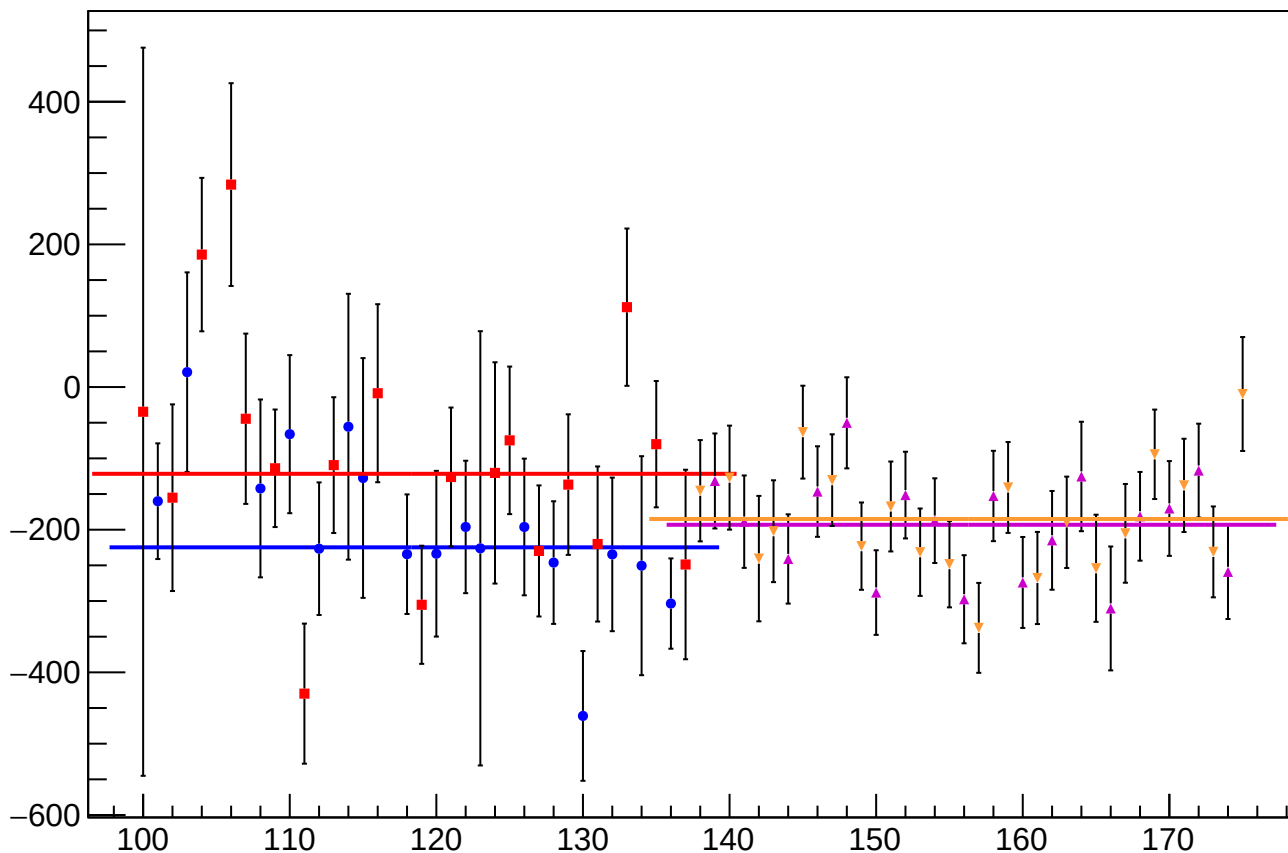
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 319.366+/-0.061 χ^2/NDF :867288.8/17

Out: 319.620+/-0.059 χ^2/NDF :941541.2/19

All: 319.497+/-0.043 χ^2/NDF : 1808838.8/37

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -184.987 ± 14.897 $\chi^2/\text{NDF}: 24.6/19$

Right Out: -121.633 ± 24.599 $\chi^2/\text{NDF}: 40.5/18$

Left In: -193.095 ± 15.312 $\chi^2/\text{NDF}: 20.1/17$

Left: -188.930 ± 10.678 $\chi^2/\text{NDF}: 44.9/37$

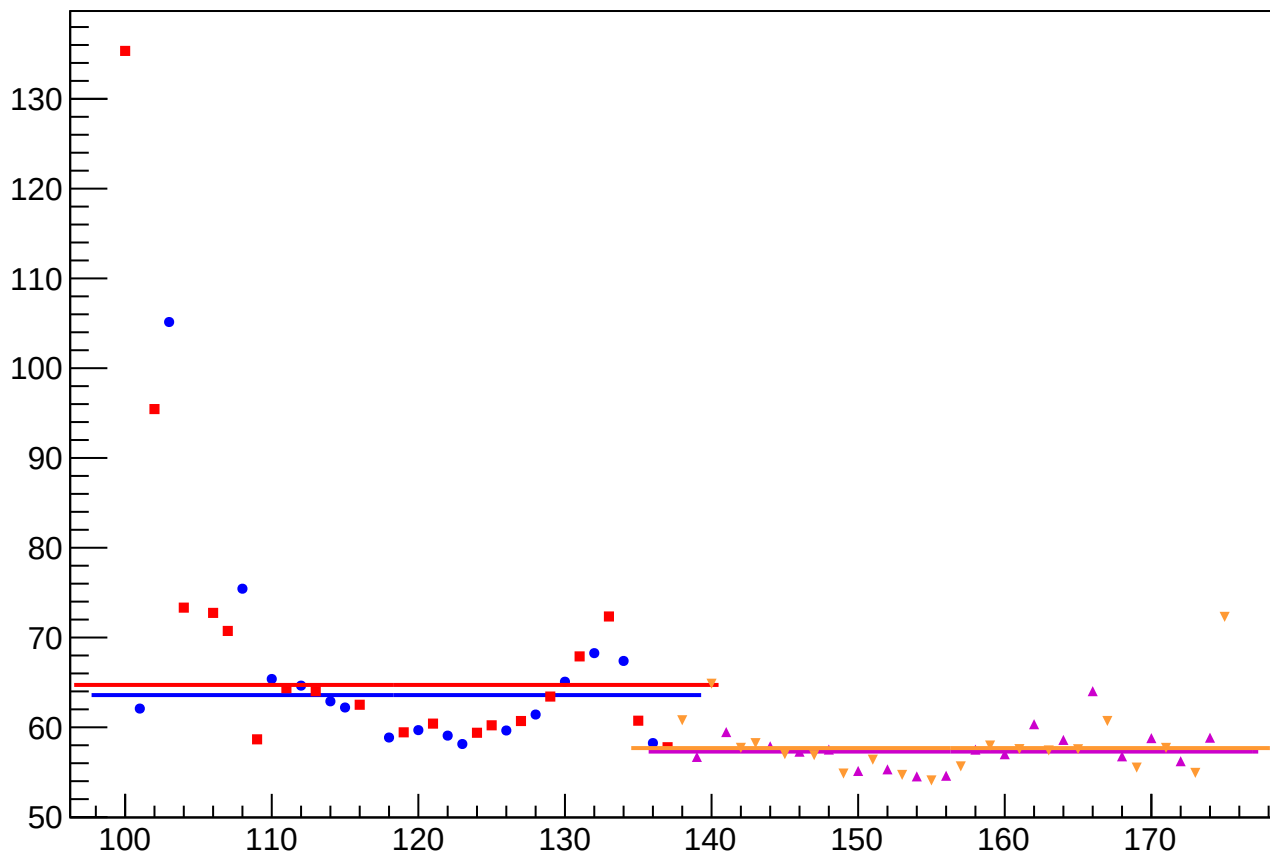
Right: -172.594 ± 17.493 $\chi^2/\text{NDF}: 65.1/35$

In: -201.784 ± 13.041 $\chi^2/\text{NDF}: 37.2/34$

Out: -167.987 ± 12.743 $\chi^2/\text{NDF}: 70.0/38$

All: -184.495 ± 9.114 $\chi^2/\text{NDF}: 110.6/73$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 57.685 $\pm$ 0.011 χ^2 /NDF: 119889.8/19

Right Out: 64.720 $\pm$ 0.017 χ^2 /NDF: 227506.4/18

Left In: 57.294 $\pm$ 0.011 χ^2 /NDF: 34826.3/17

Left: 57.495 $\pm$ 0.008 χ^2 /NDF: 155385.4/37

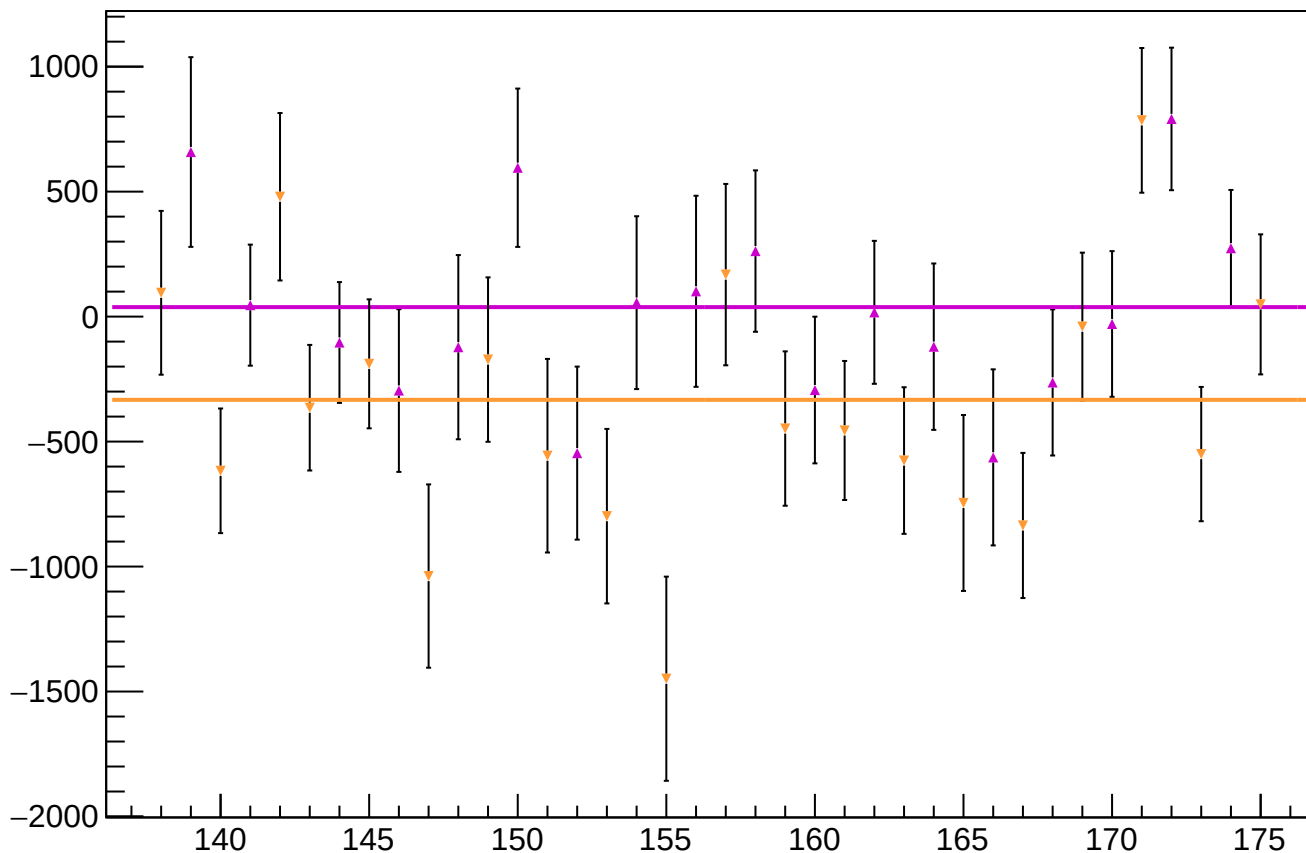
Right: 64.161 $\pm$ 0.012 χ^2 /NDF: 464197.3/35

In: 59.024 $\pm$ 0.009 χ^2 /NDF: 362274.7/34

Out: 59.573 $\pm$ 0.009 χ^2 /NDF: 467071.3/38

All: 59.305 $\pm$ 0.006 χ^2 /NDF: 831161.7/73

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -332.901+/-68.161 χ^2/NDF :48.4/19

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

Left In: 37.971+/-71.401 χ^2/NDF :24.3/17

Left: -156.070+/-49.302 χ^2/NDF : 86.8/37

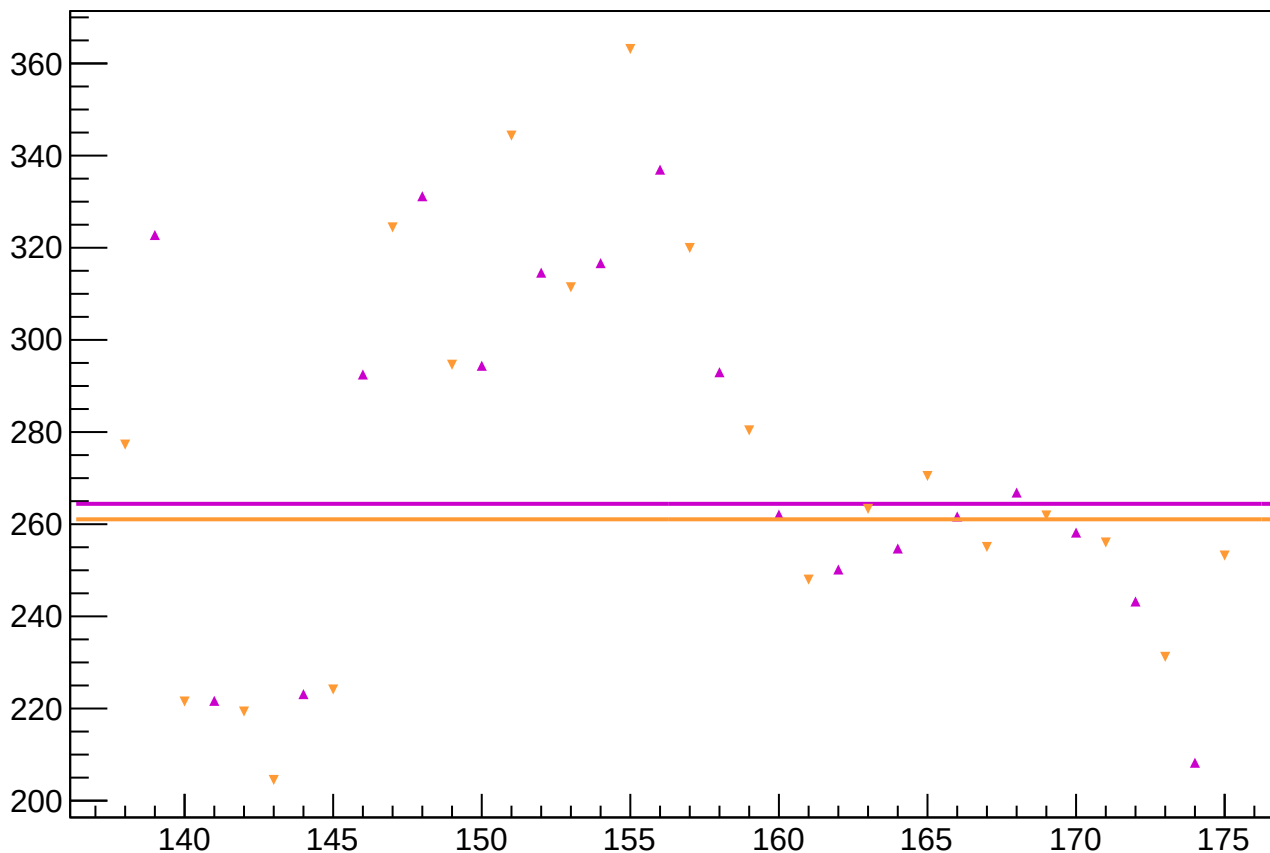
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 37.971+/-71.401 χ^2/NDF :24.3/17

Out: -332.901+/-68.161 χ^2/NDF :48.4/19

All: -156.070+/-49.302 χ^2/NDF : 86.8/37

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 261.063+/-0.048 χ^2/NDF :662379.7/19

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

Left In: 264.424+/-0.050 χ^2/NDF :577029.1/17

Left: 262.666+/-0.035 χ^2/NDF : 1241726.6/37

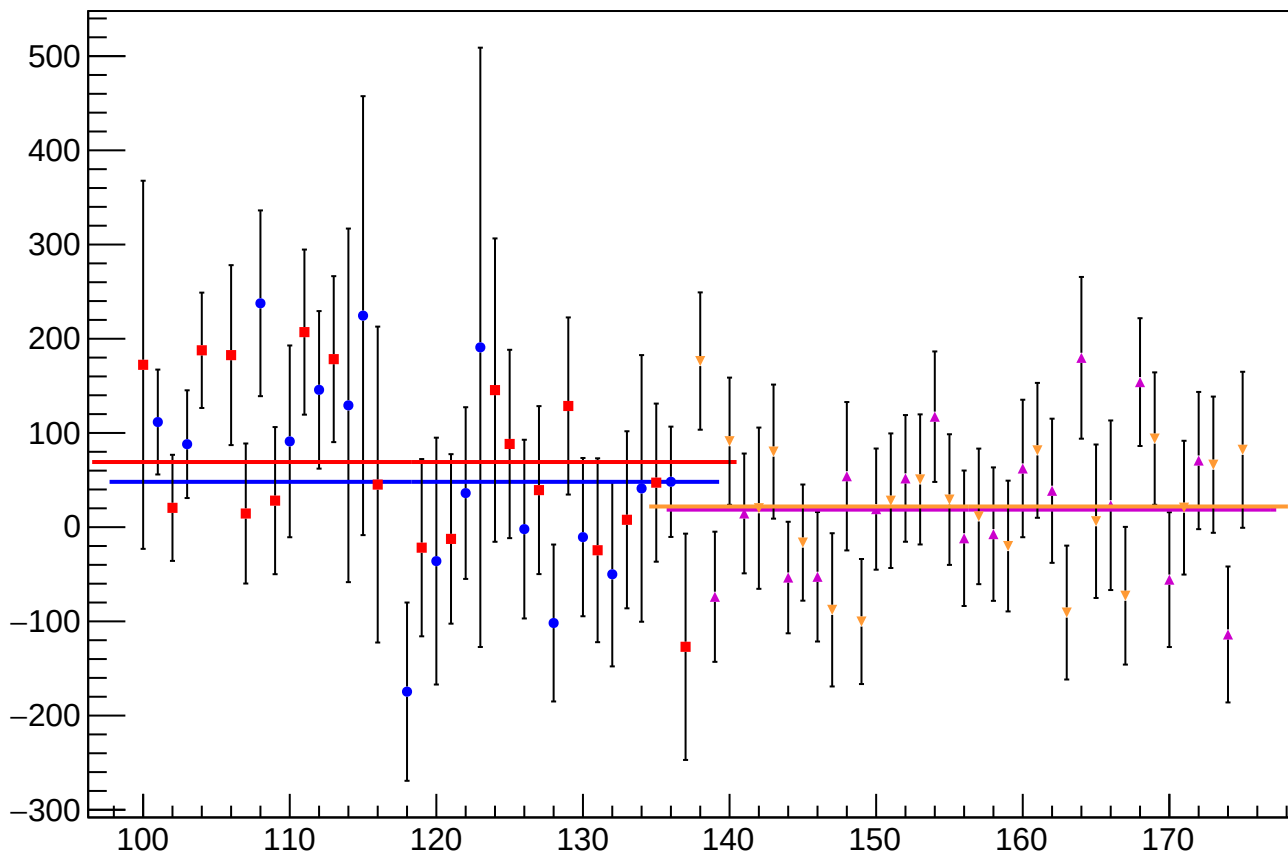
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 264.424+/-0.050 χ^2/NDF :577029.1/17

Out: 261.063+/-0.048 χ^2/NDF :662379.7/19

All: 262.666+/-0.035 χ^2/NDF : 1241726.6/37

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 21.935 $\pm$ 16.083 χ^2 /NDF:19.3/19

Right Out: 69.156 $\pm$ 20.407 χ^2 /NDF: 17.7/18

Left In: 18.603 $\pm$ 16.689 χ^2 /NDF:20.0/17

Left: 20.331 $\pm$ 11.581 χ^2 /NDF: 39.3/37

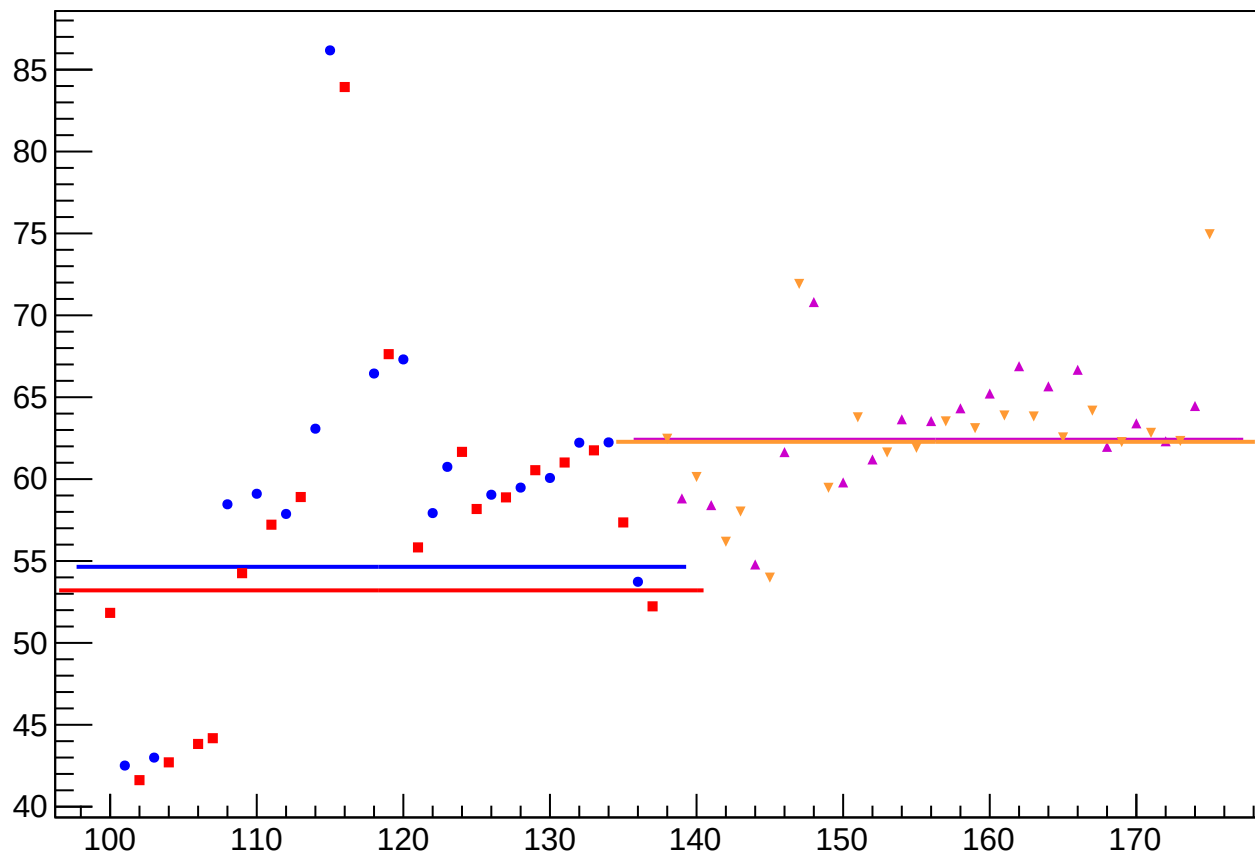
Right: 59.186 $\pm$ 14.805 χ^2 /NDF: 37.1/35

In: 29.691 $\pm$ 13.186 χ^2 /NDF:40.2/34

Out: 40.027 $\pm$ 12.631 χ^2 /NDF:40.2/38

All: 35.080 $\pm$ 9.121 χ^2 /NDF: 80.7/73

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: 62.278 $\pm$ 0.011 χ^2 /NDF:139510.1/19

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

Left In: 62.404 $\pm$ 0.012 χ^2 /NDF:95301.9/17

Left: 62.339 $\pm$ 0.008 χ^2 /NDF: 234871.4/37

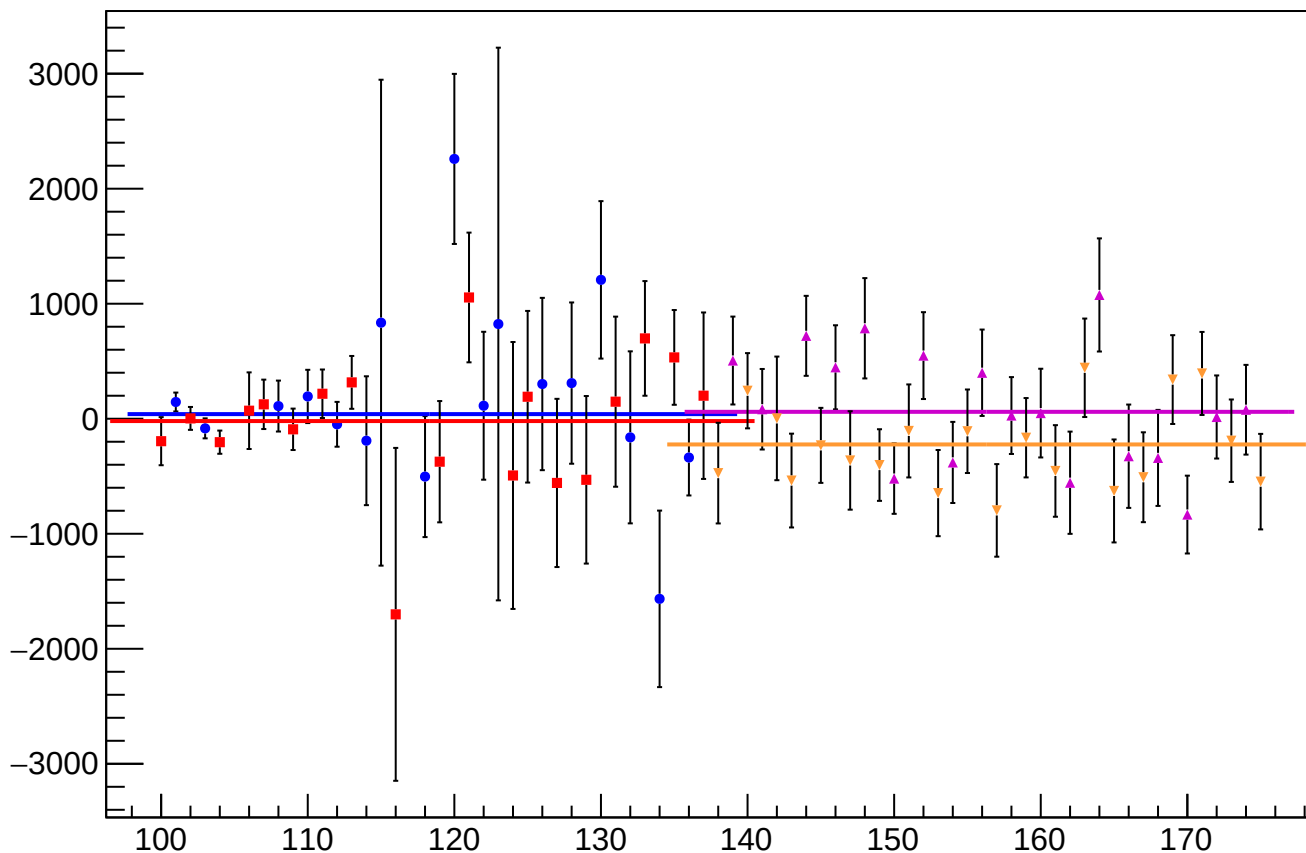
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 59.488 $\pm$ 0.009 χ^2 /NDF:577055.4/34

Out: 58.802 $\pm$ 0.009 χ^2 /NDF:769568.1/38

All: 59.131 $\pm$ 0.006 χ^2 /NDF: 1349446.3/73

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -223.541+/-85.778 χ^2/NDF :16.9/19

Right Out: -20.232+/-53.274 χ^2/NDF : 18.9/18

Left In: 60.087+/-88.603 χ^2/NDF :31.4/17

Left: -86.321+/-61.629 χ^2/NDF : 53.5/37

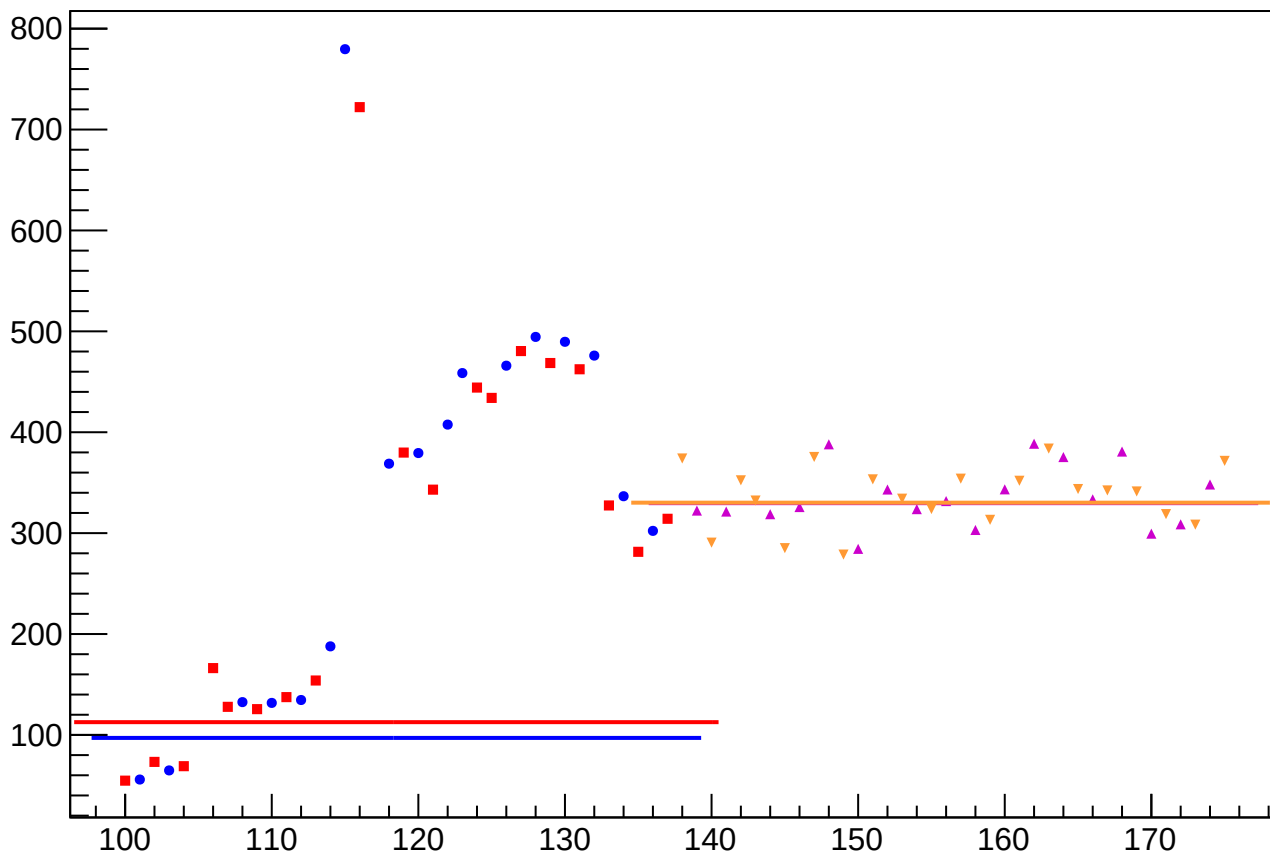
Right: 10.986+/-37.043 χ^2/NDF : 43.4/35

In: 45.234+/-44.552 χ^2/NDF :55.3/34

Out: -76.824+/-45.256 χ^2/NDF :39.8/38

All: -14.839+/-31.749 χ^2/NDF : 98.8/73

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 330.198+/-0.061 χ^2/NDF : 259238.4/19

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

Left In: 329.700+/-0.063 χ^2/NDF : 211671.0/17

Left: 329.957+/-0.044 χ^2/NDF : 470942.1/37

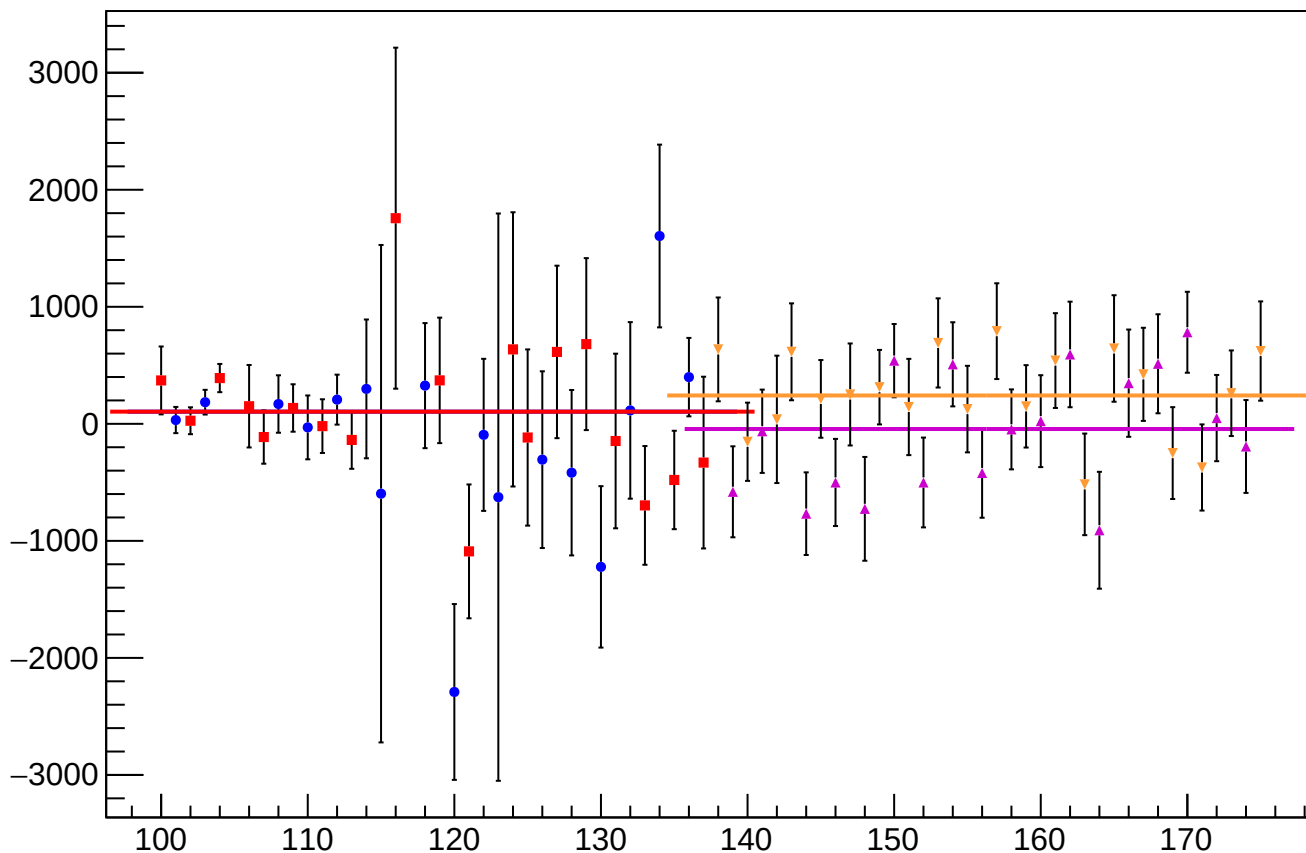
Right: 104.588+/-0.026 χ^2/NDF : 10944761.2/35

In: 155.864+/-0.032 χ^2/NDF : 16335042.7/34

Out: 173.208+/-0.032 χ^2/NDF : 14578706.2/38

All: 164.400+/-0.022 χ^2/NDF : 31062925.9/73

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 242.356 $\pm$ 87.345 χ^2 /NDF:16.4/19

Right Out: 104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

Left In: -44.268 $\pm$ 90.231 χ^2 /NDF:31.6/17

Left: 103.701 $\pm$ 62.757 χ^2 /NDF: 53.2/37

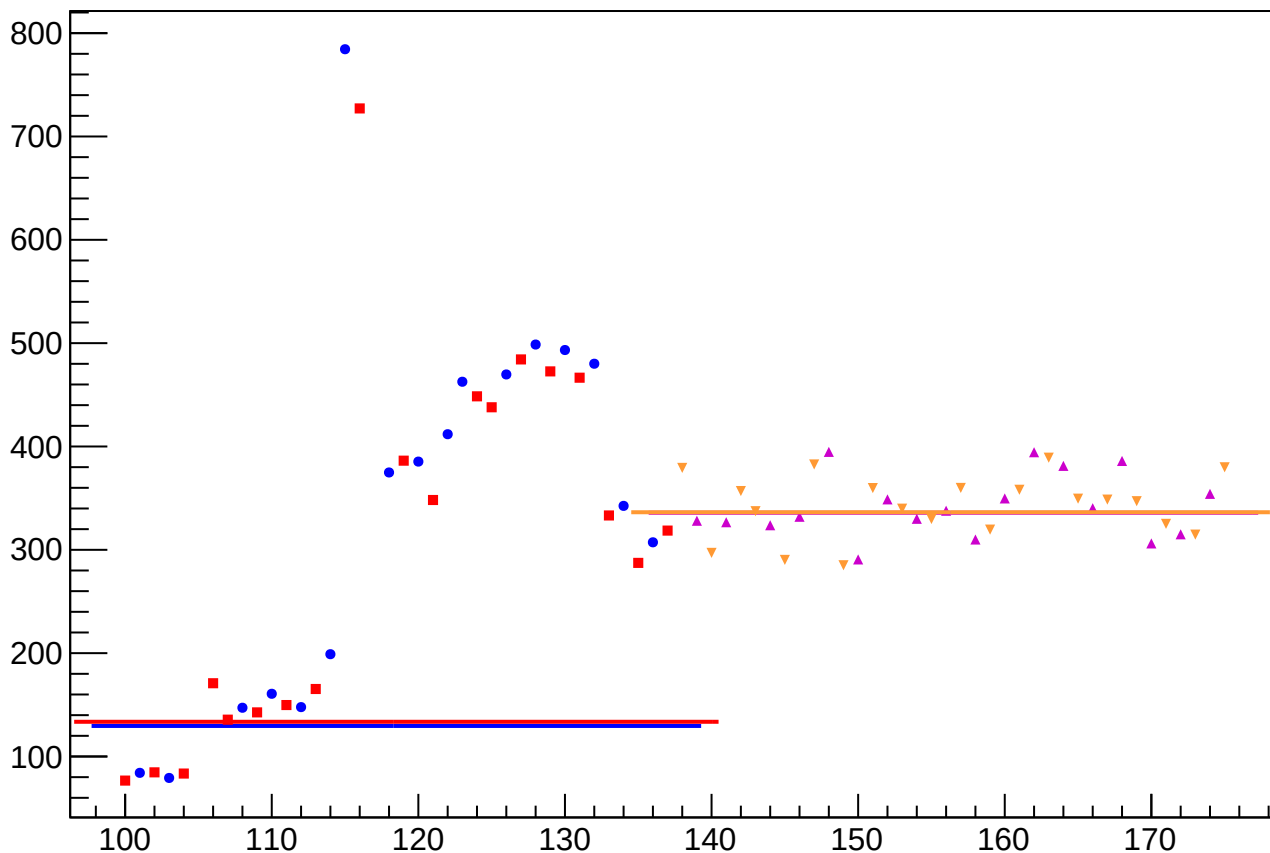
Right: 104.073 $\pm$ 43.823 χ^2 /NDF: 42.6/35

In: 55.246 $\pm$ 51.741 χ^2 /NDF:54.7/34

Out: 149.310 $\pm$ 49.932 χ^2 /NDF:39.4/38

All: 103.951 $\pm$ 35.930 χ^2 /NDF: 95.8/73

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 336.363 $\pm$ 0.062 χ^2 /NDF: 251061.1/19

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

Left In: 335.874 $\pm$ 0.064 χ^2 /NDF: 202337.7/17

Left: 336.126 $\pm$ 0.044 χ^2 /NDF: 453429.3/37

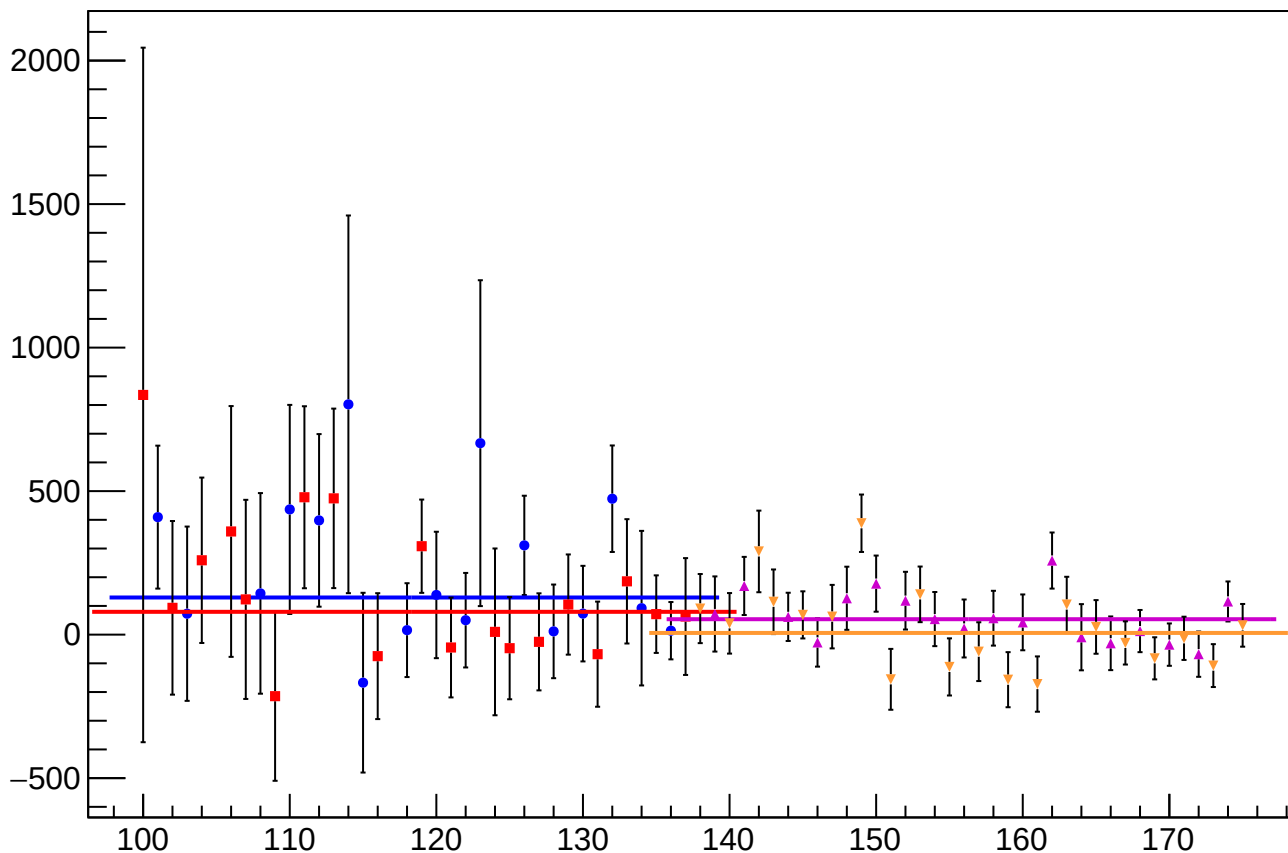
Right: 131.647 $\pm$ 0.031 χ^2 /NDF: 9142947.8/35

In: 197.395 $\pm$ 0.037 χ^2 /NDF: 11993374.2/34

Out: 199.859 $\pm$ 0.035 χ^2 /NDF: 11873523.7/38

All: 198.671 $\pm$ 0.025 χ^2 /NDF: 23869246.6/73

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: 5.903 $\pm$ 20.647 χ^2 /NDF:38.6/19

Right Out: 79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

Left In: 53.727 $\pm$ 21.419 χ^2 /NDF:15.2/17

Left: 28.938 $\pm$ 14.865 χ^2 /NDF: 56.4/37

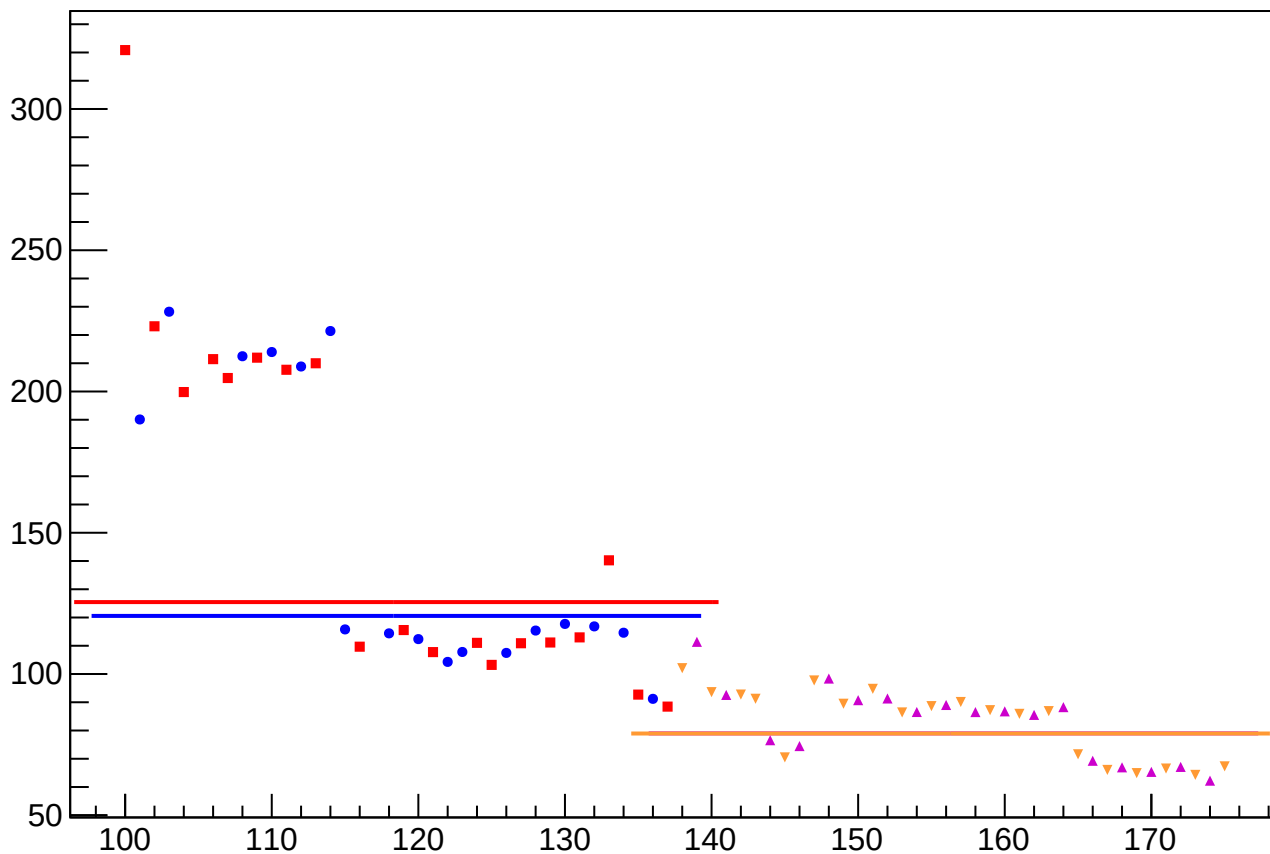
Right: 104.826 $\pm$ 35.001 χ^2 /NDF: 23.7/35

In: 65.815 $\pm$ 19.634 χ^2 /NDF:30.1/34

Out: 16.664 $\pm$ 19.078 χ^2 /NDF:50.7/38

All: 40.534 $\pm$ 13.682 χ^2 /NDF: 84.1/73

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: 78.937 $\pm$ 0.015 χ^2 /NDF: 717828.6/19

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

Left In: 78.980 $\pm$ 0.015 χ^2 /NDF: 671093.3/17

Left: 78.958 $\pm$ 0.011 χ^2 /NDF: 1388926.0/37

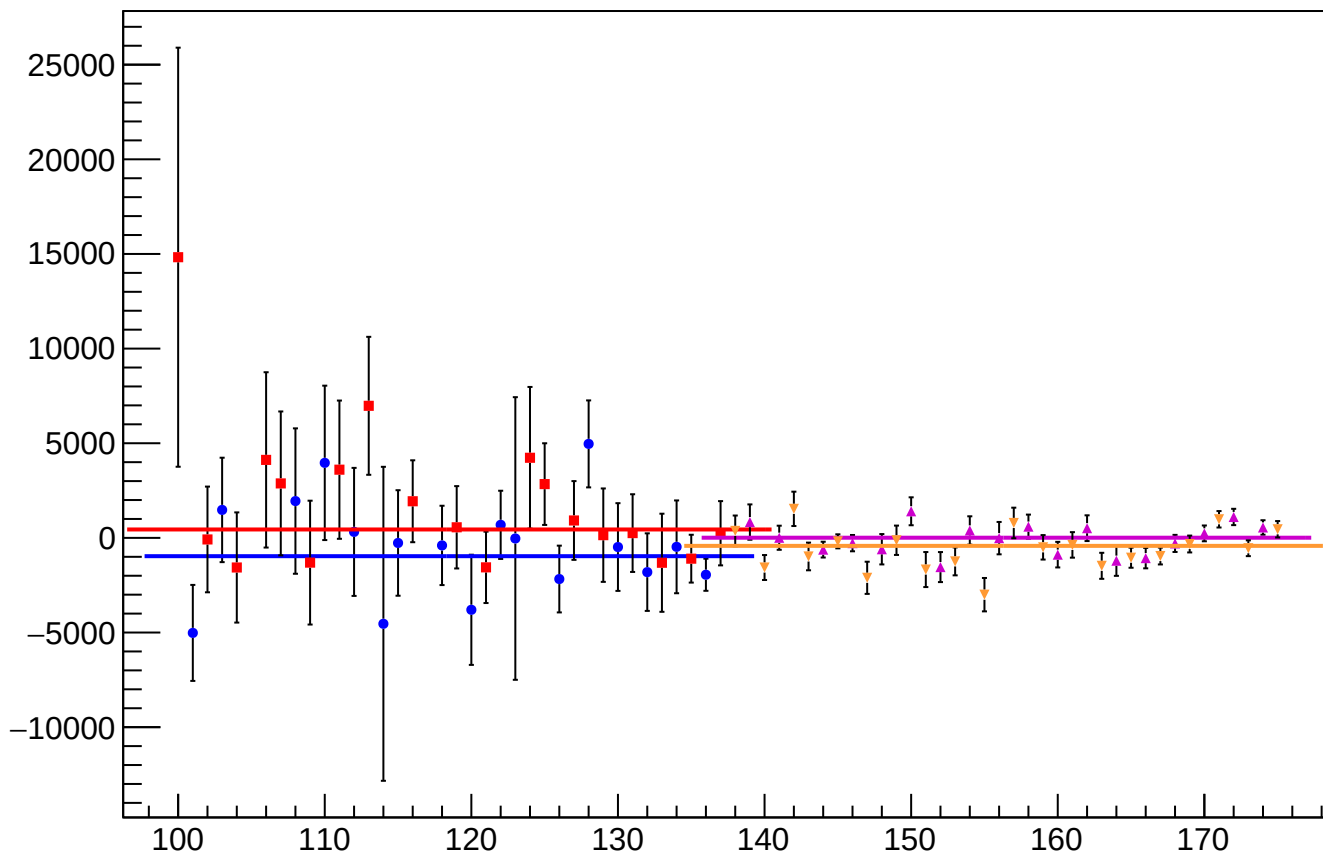
Right: 122.974 $\pm$ 0.025 χ^2 /NDF: 2455600.4/35

In: 85.623 $\pm$ 0.014 χ^2 /NDF: 2987563.2/34

Out: 85.741 $\pm$ 0.013 χ^2 /NDF: 3536546.5/38

All: 85.684 $\pm$ 0.010 χ^2 /NDF: 6524146.4/73

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -421.743+/-129.357 χ^2/NDF : 47.4/19

Right Out: 444.406+/-545.370 χ^2/NDF : 13.4/18

Left In: 9.068+/-131.814 χ^2/NDF : 30.4/17

Left: -210.390+/-92.326 χ^2/NDF : 83.3/37

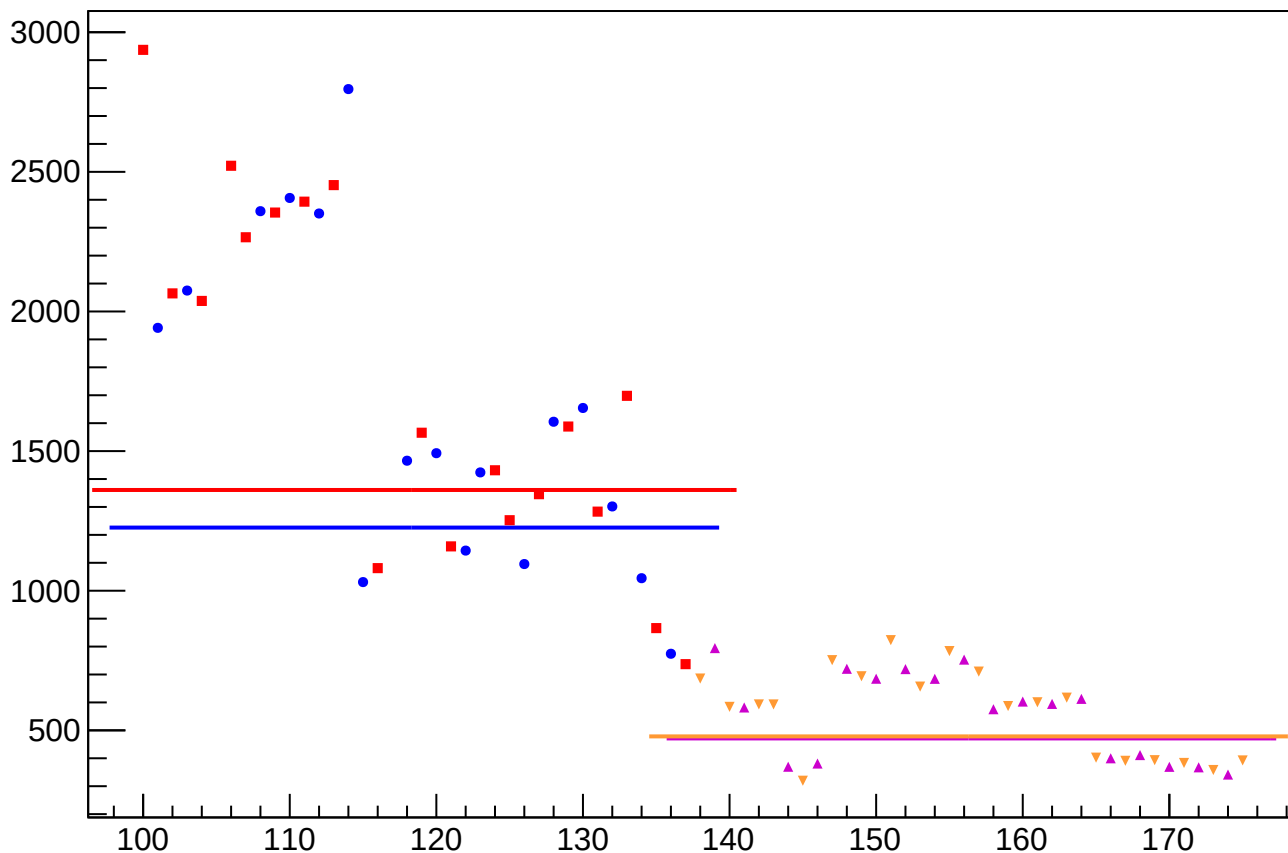
Right: -305.110+/-373.410 χ^2/NDF : 33.3/35

In: -51.504+/-127.657 χ^2/NDF : 50.2/34

Out: -375.609+/-125.865 χ^2/NDF : 63.2/38

All: -215.847+/-89.627 χ^2/NDF : 116.7/73

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 478.360+/-0.091 χ^2/NDF : 2525581.0/19

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

Left In: 471.041+/-0.093 χ^2/NDF : 2235214.7/17

Left: 474.770+/-0.065 χ^2/NDF : 4763936.9/37

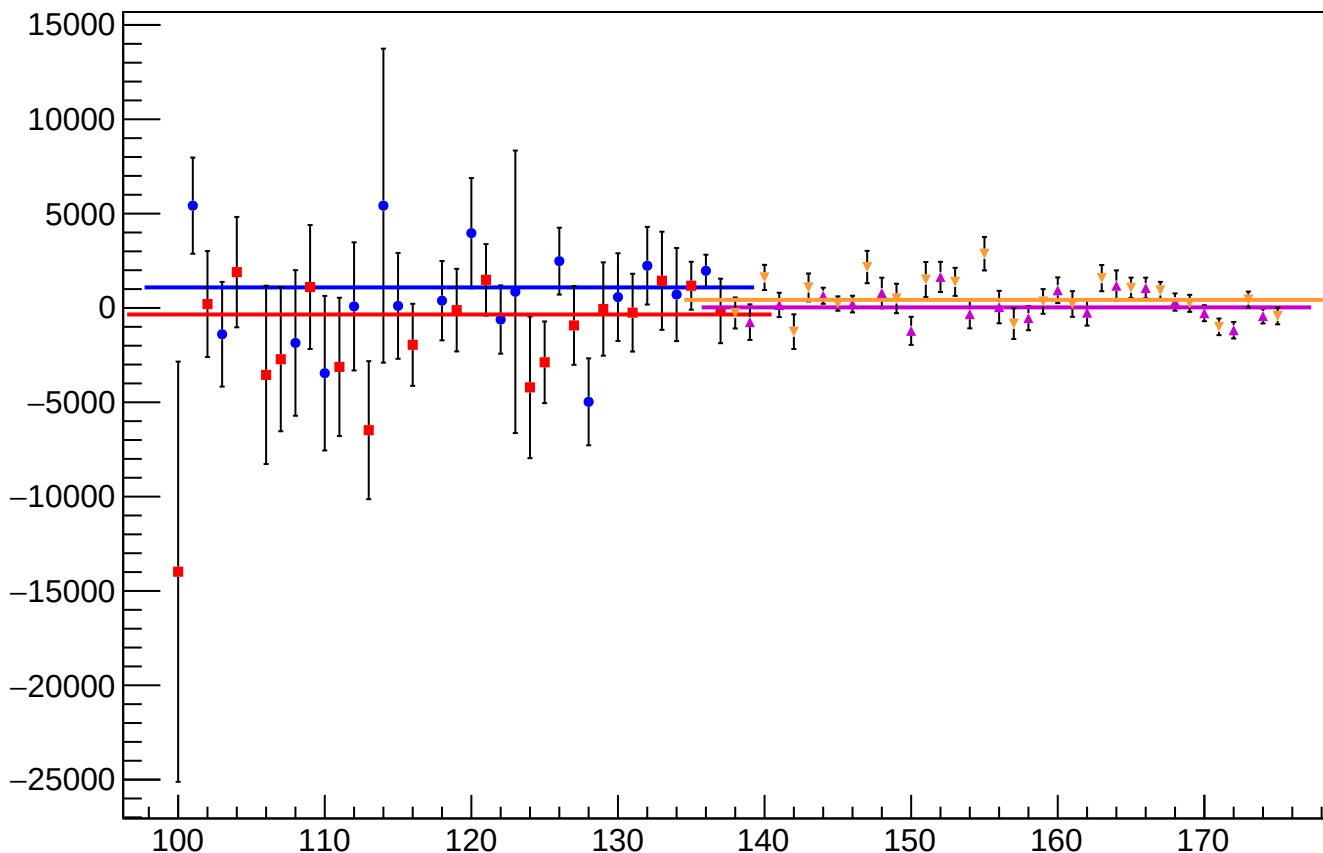
Right: 1289.252+/-0.264 χ^2/NDF : 3570145.2/35

In: 517.920+/-0.090 χ^2/NDF : 8066082.9/34

Out: 525.360+/-0.089 χ^2/NDF : 9231630.6/38

All: 521.693+/-0.063 χ^2/NDF : 17301158.7/73

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 428.881 $\pm$ 131.224 χ^2 /NDF:45.4/19

Right Out: -345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

Left In: 30.678 $\pm$ 133.794 χ^2 /NDF:29.2/17

Left: 233.640 $\pm$ 93.685 χ^2 /NDF: 79.1/37

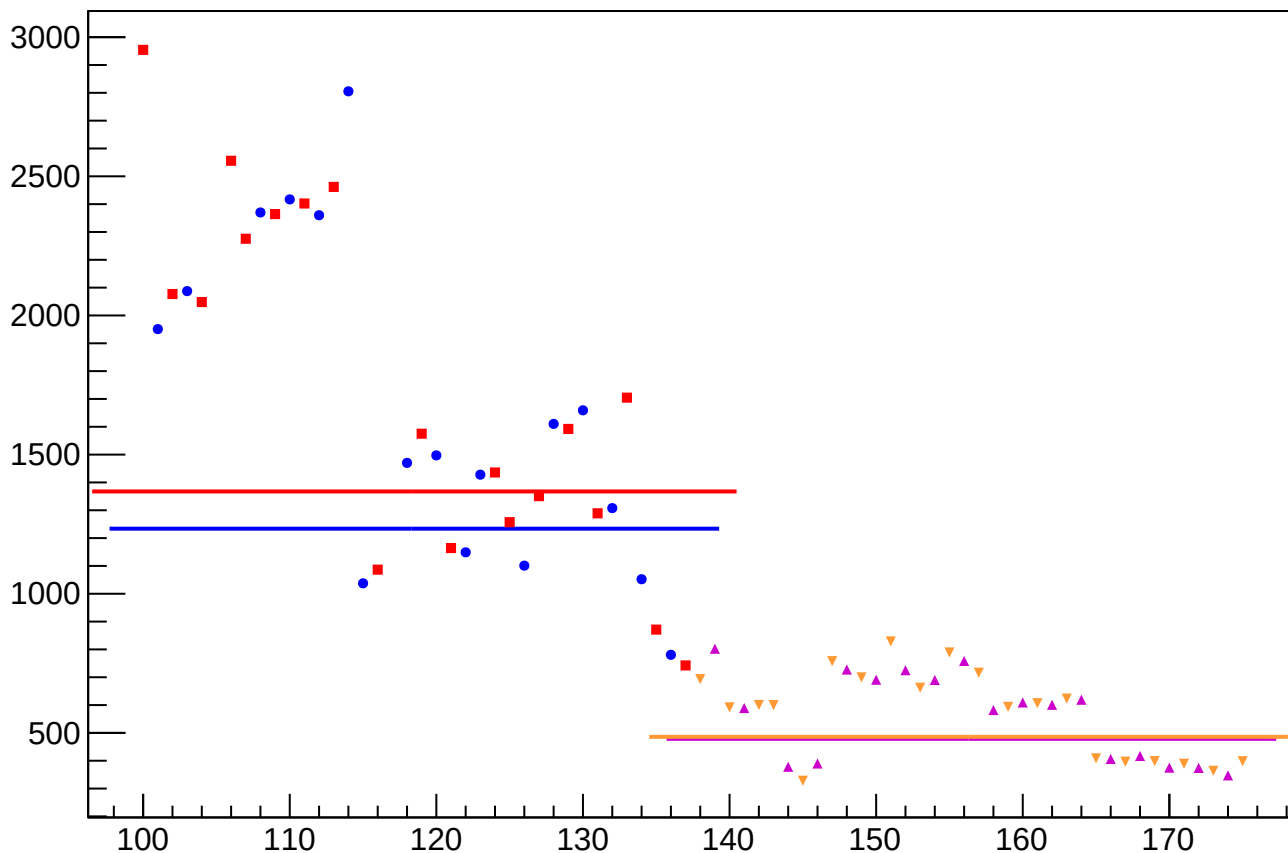
Right: 416.082 $\pm$ 375.451 χ^2 /NDF: 33.1/35

In: 97.529 $\pm$ 129.499 χ^2 /NDF:50.1/34

Out: 386.905 $\pm$ 127.619 χ^2 /NDF:59.8/38

All: 244.334 $\pm$ 90.898 χ^2 /NDF: 112.4/73

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 485.901+/-0.093 χ^2/NDF : 2458380.6/19

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

Left In: 478.711+/-0.095 χ^2/NDF : 2177419.2/17

Left: 482.376+/-0.066 χ^2/NDF : 4638743.7/37

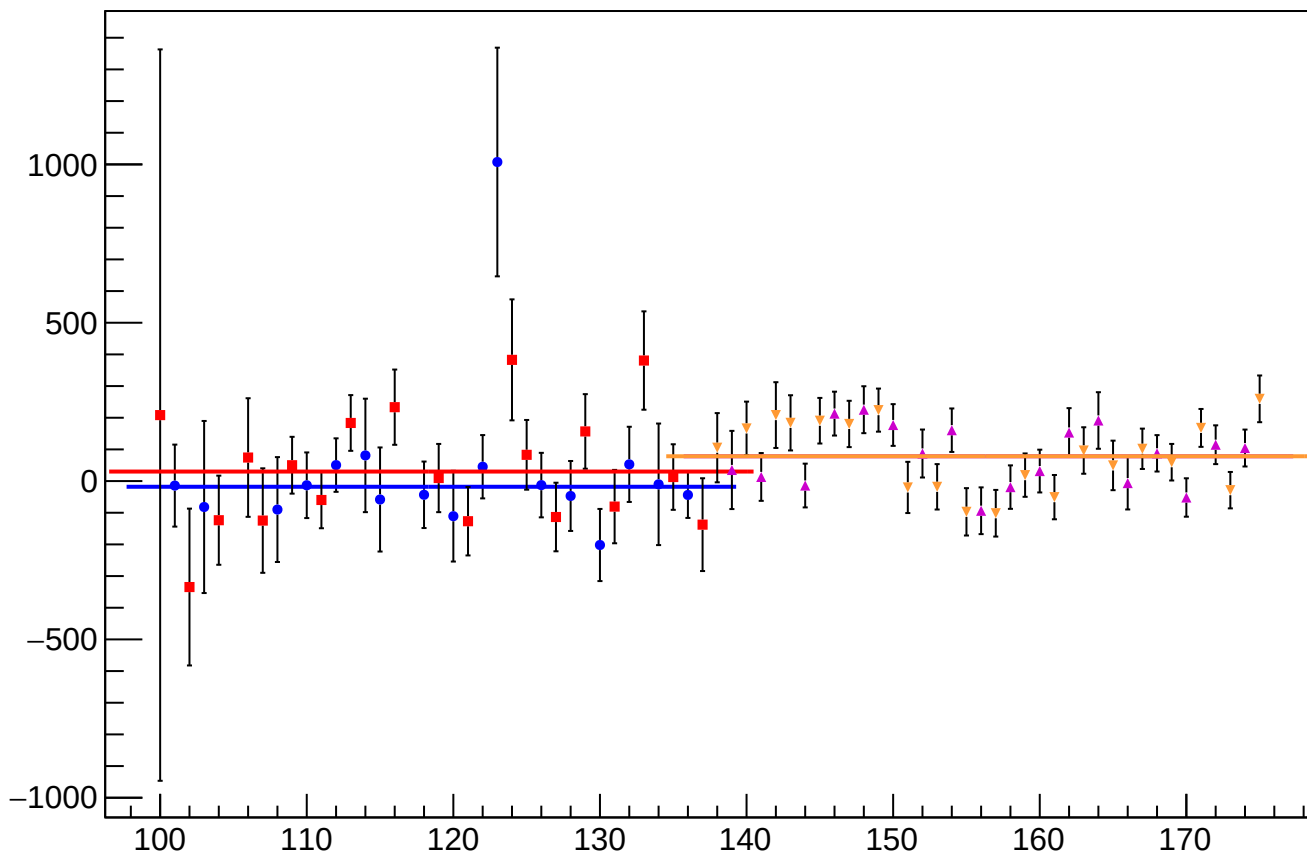
Right: 1296.600+/-0.265 χ^2/NDF : 3551849.9/35

In: 526.409+/-0.092 χ^2/NDF : 7945756.5/34

Out: 533.686+/-0.090 χ^2/NDF : 9096443.5/38

All: 530.100+/-0.064 χ^2/NDF : 17045403.9/73

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 78.355 ± 16.153 χ^2/NDF : 44.3/19

Right Out: 30.070 ± 27.976 χ^2/NDF : 27.4/18

Left In: 78.292 ± 16.560 χ^2/NDF : 30.8/17

Left: 78.324 ± 11.563 χ^2/NDF : 75.0/37

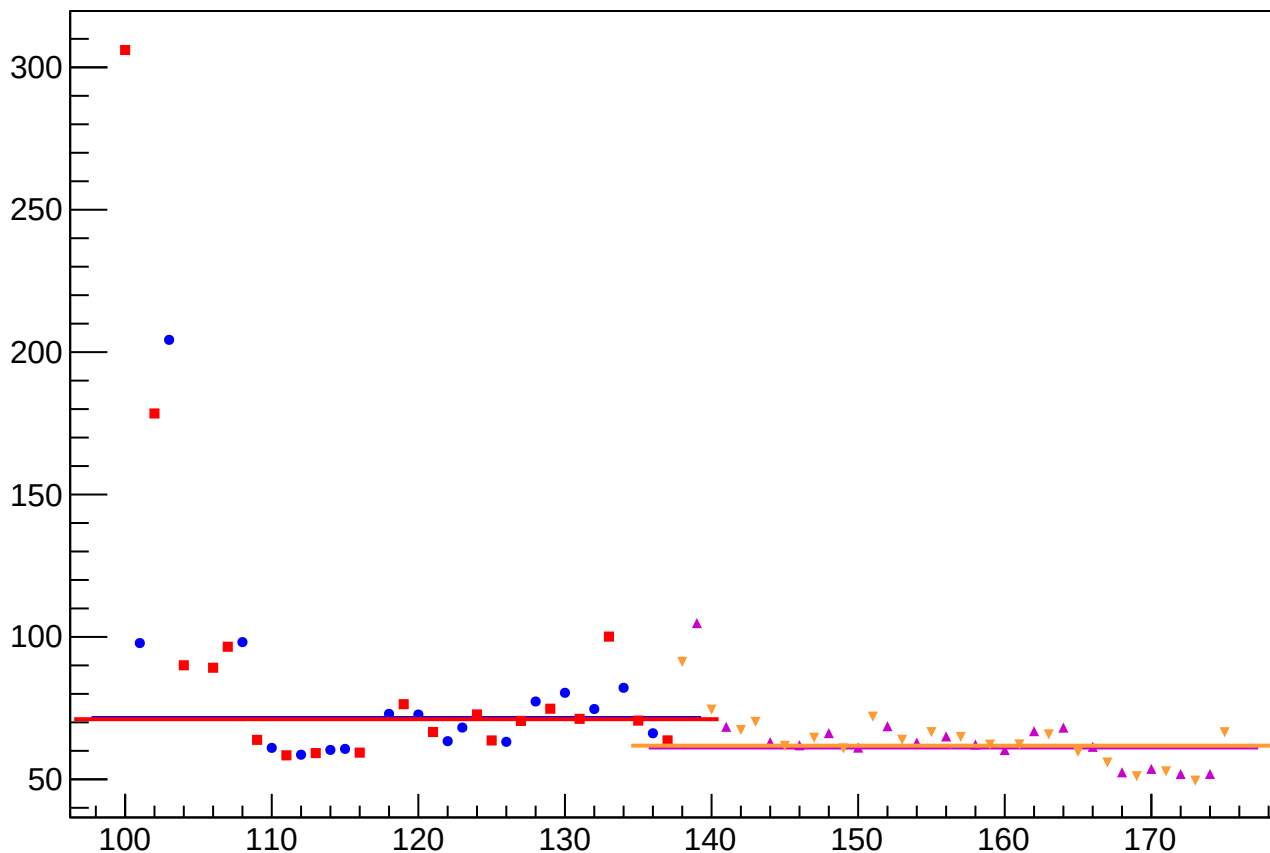
Right: 6.786 ± 20.083 χ^2/NDF : 42.2/35

In: 54.431 ± 14.362 χ^2/NDF : 52.5/34

Out: 66.284 ± 13.988 χ^2/NDF : 73.9/38

All: 60.514 ± 10.021 χ^2/NDF : 126.8/73

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 61.821 $\pm$ 0.011 χ^2 /NDF: 500761.8/19

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

Left In: 61.182 $\pm$ 0.012 χ^2 /NDF: 503815.5/17

Left: 61.509 $\pm$ 0.008 χ^2 /NDF: 1006100.7/37

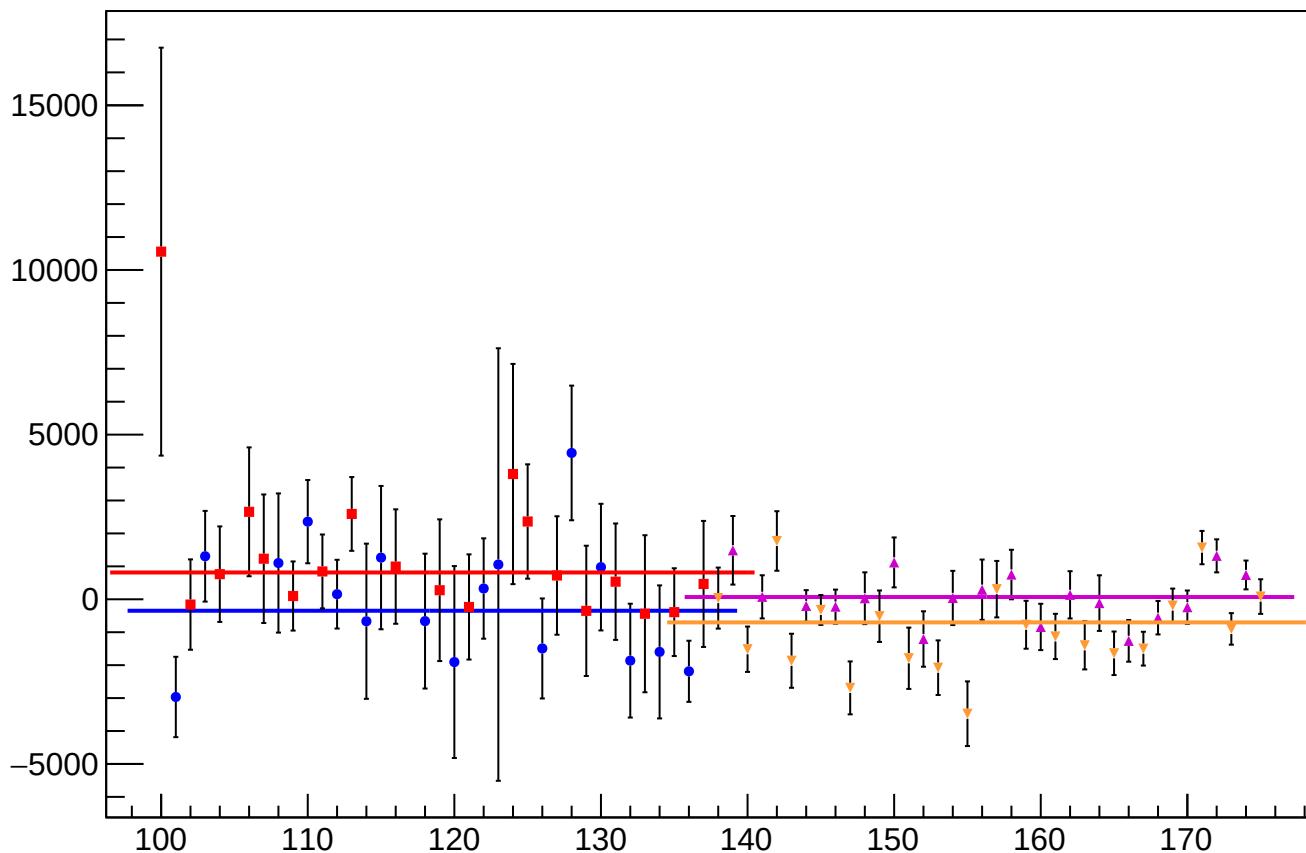
Right: 71.319 $\pm$ 0.014 χ^2 /NDF: 1524340.2/35

In: 63.748 $\pm$ 0.010 χ^2 /NDF: 1456547.0/34

Out: 64.144 $\pm$ 0.010 χ^2 /NDF: 1431474.4/38

All: 63.952 $\pm$ 0.007 χ^2 /NDF: 2888801.0/73

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939 ± 381.994 $\chi^2/\text{NDF}: 24.1/16$

Left Out: -701.694 ± 146.443 $\chi^2/\text{NDF}: 61.1/19$

Right Out: 814.154 ± 369.807 $\chi^2/\text{NDF}: 10.5/18$

Left In: 68.826 ± 148.407 $\chi^2/\text{NDF}: 24.2/17$

Left: -321.566 ± 104.238 $\chi^2/\text{NDF}: 99.0/37$

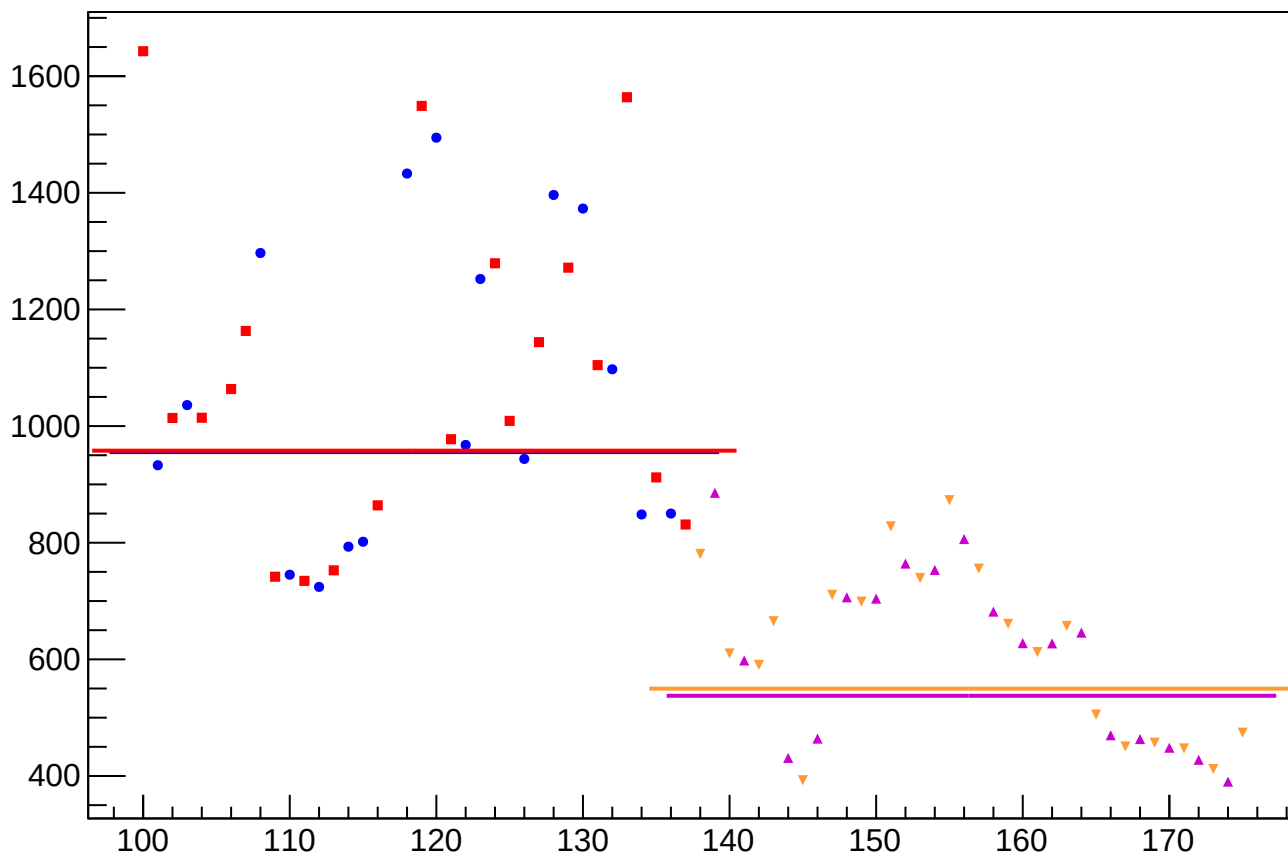
Right: 251.940 ± 265.697 $\chi^2/\text{NDF}: 39.3/35$

In: 14.170 ± 138.334 $\chi^2/\text{NDF}: 49.3/34$

Out: -496.209 ± 136.156 $\chi^2/\text{NDF}: 86.2/38$

All: -245.068 ± 97.038 $\chi^2/\text{NDF}: 142.4/73$

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 549.802+/-0.104 χ^2/NDF : 1735279.8/19

Right Out: 957.849+/-0.261 χ^2/NDF : 693081.8/18

Left In: 537.530+/-0.105 χ^2/NDF : 1644285.5/17

Left: 543.748+/-0.074 χ^2/NDF : 3386495.1/37

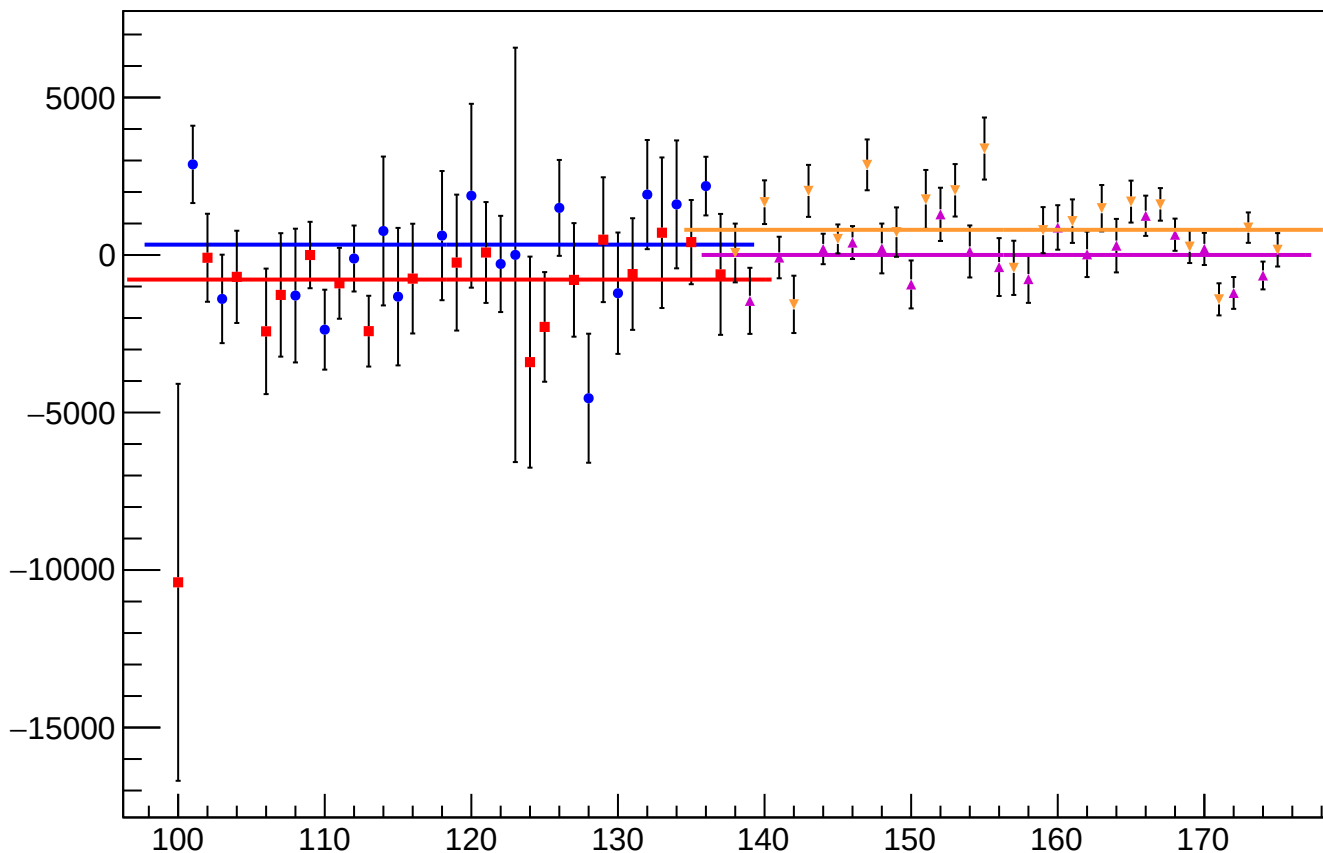
Right: 956.676+/-0.188 χ^2/NDF : 1339635.8/35

In: 592.334+/-0.098 χ^2/NDF : 4370502.2/34

Out: 605.116+/-0.096 χ^2/NDF : 4533273.5/38

All: 598.827+/-0.069 χ^2/NDF : 8912449.4/73

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 799.593 $\pm$ 147.480 χ^2 /NDF:56.9/19

Right Out: -779.623 $\pm$ 371.673 χ^2 /NDF: 9.3/18

Left In: 1.760 $\pm$ 149.480 χ^2 /NDF:22.8/17

Left: 406.050 $\pm$ 104.984 χ^2 /NDF: 94.1/37

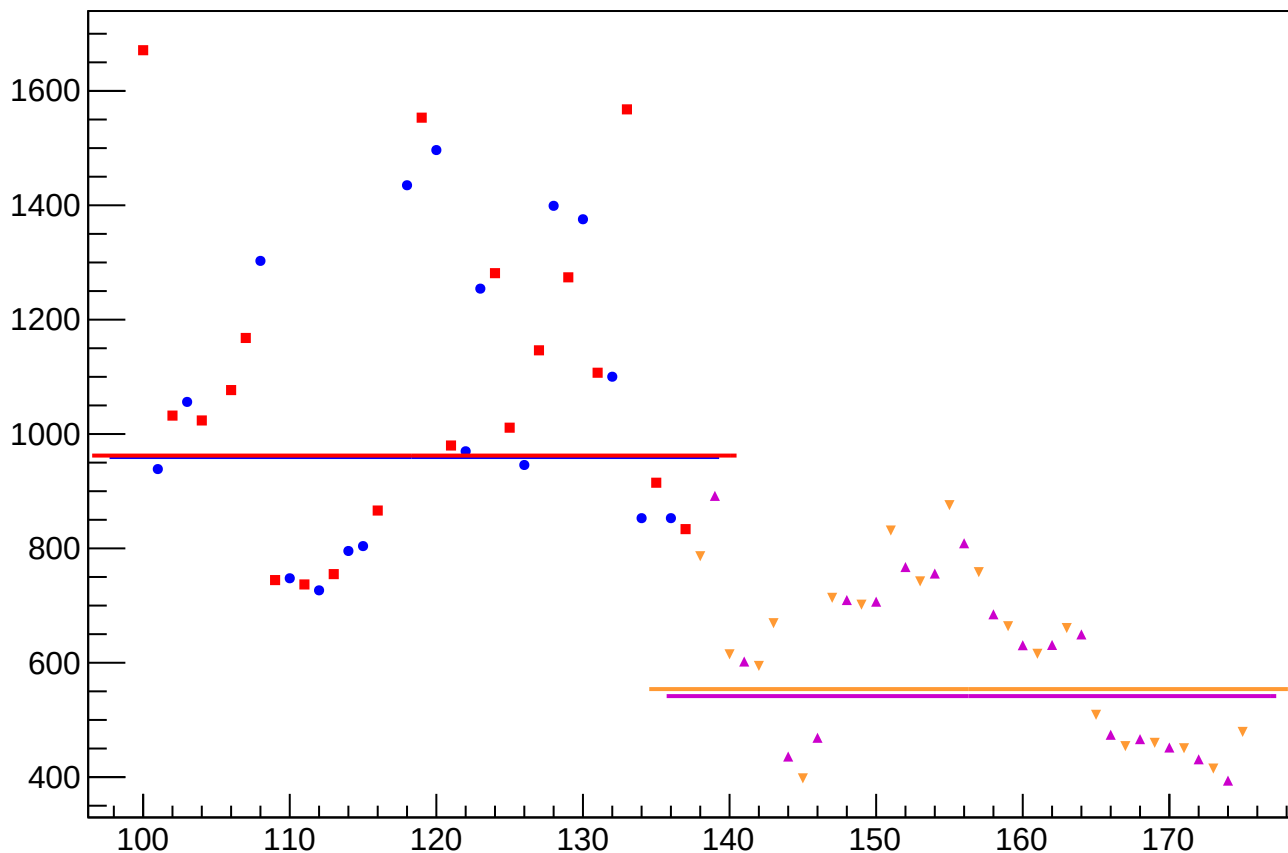
Right: -242.920 $\pm$ 266.973 χ^2 /NDF: 37.9/35

In: 44.897 $\pm$ 139.285 χ^2 /NDF:47.8/34

Out: 584.769 $\pm$ 137.082 χ^2 /NDF:81.8/38

All: 319.136 $\pm$ 97.701 χ^2 /NDF: 137.2/73

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 +/- 0.271 χ^2/NDF : 646727.9/16

Left Out: 553.959 +/- 0.104 χ^2/NDF : 1707776.8/19

Right Out: 962.314 +/- 0.263 χ^2/NDF : 695757.2/18

Left In: 541.682 +/- 0.106 χ^2/NDF : 1619835.0/17

Left: 547.903 +/- 0.074 χ^2/NDF : 3334447.4/37

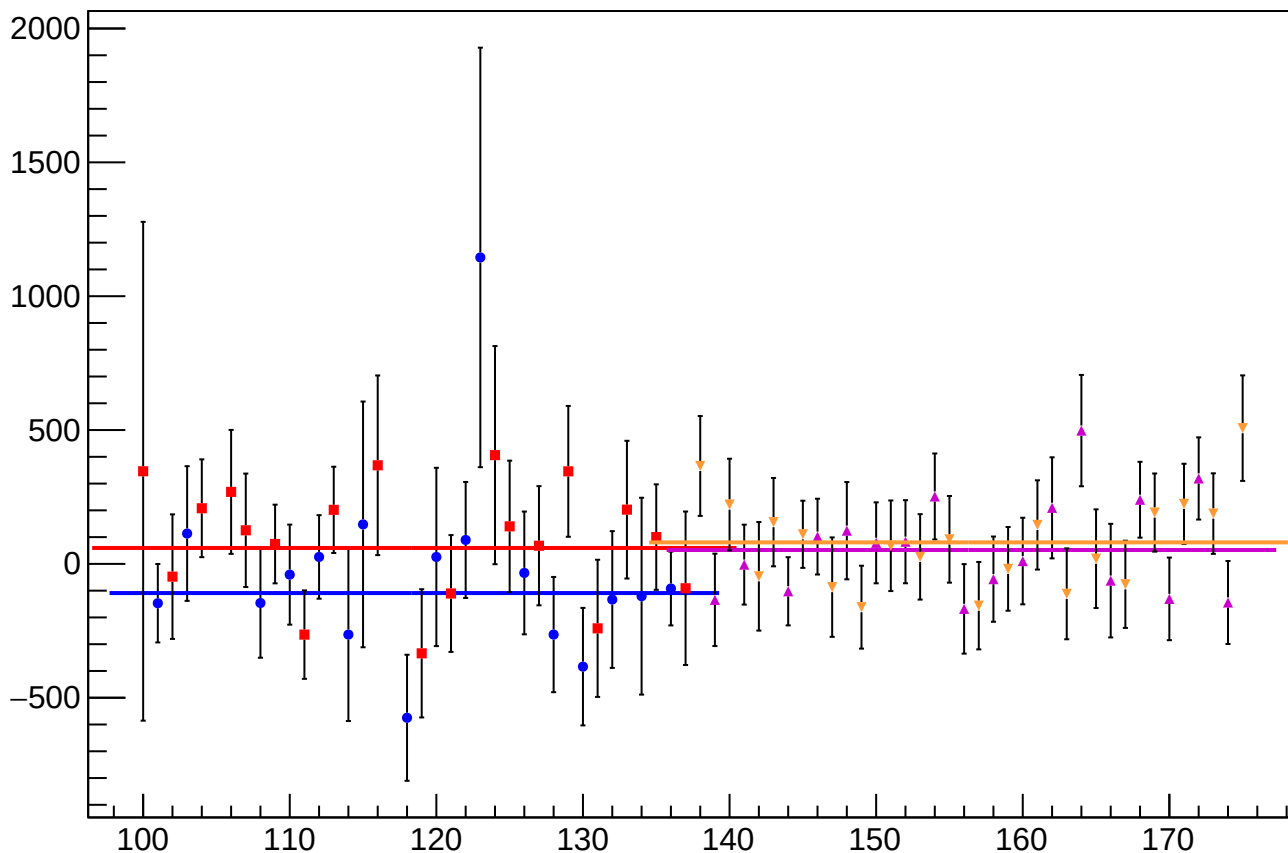
Right: 961.083 +/- 0.189 χ^2/NDF : 1342530.4/35

In: 596.767 +/- 0.098 χ^2/NDF : 4327958.1/34

Out: 609.508 +/- 0.097 χ^2/NDF : 4489379.5/38

All: 603.239 +/- 0.069 χ^2/NDF : 8825838.7/73

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 80.375 ± 36.561 χ^2/NDF : 18.7/19

Right Out: 59.475 ± 50.822 χ^2/NDF : 14.9/18

Left In: 51.875 ± 37.607 χ^2/NDF : 20.3/17

Left: 66.527 ± 26.214 χ^2/NDF : 39.3/37

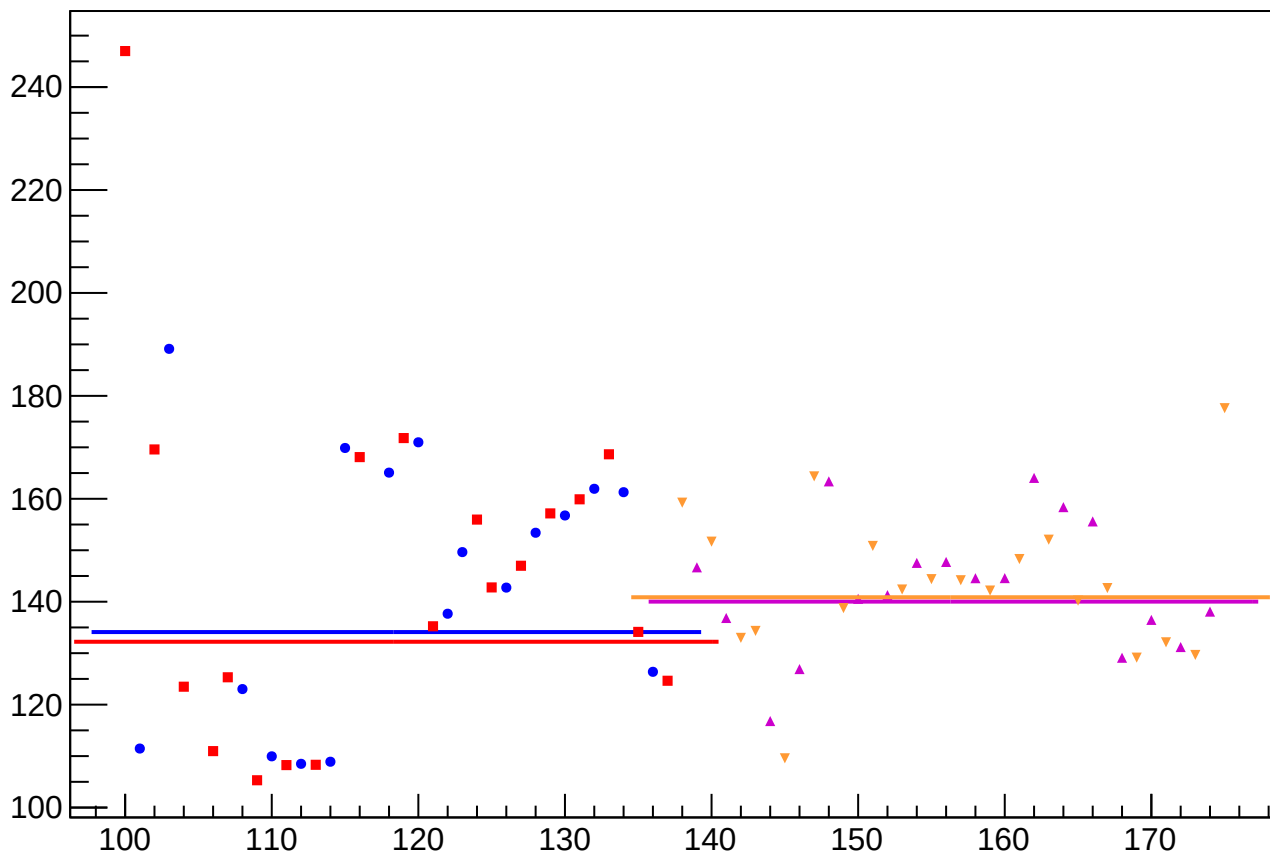
Right: -21.341 ± 36.657 χ^2/NDF : 32.2/35

In: -2.096 ± 30.655 χ^2/NDF : 38.5/34

Out: 73.247 ± 29.679 χ^2/NDF : 33.7/38

All: 36.795 ± 21.323 χ^2/NDF : 75.3/73

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: 140.867 $\pm$ 0.026 χ^2 /NDF:312672.9/19

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

Left In: 140.019 $\pm$ 0.027 χ^2 /NDF:211217.3/17

Left: 140.455 $\pm$ 0.019 χ^2 /NDF: 524413.3/37

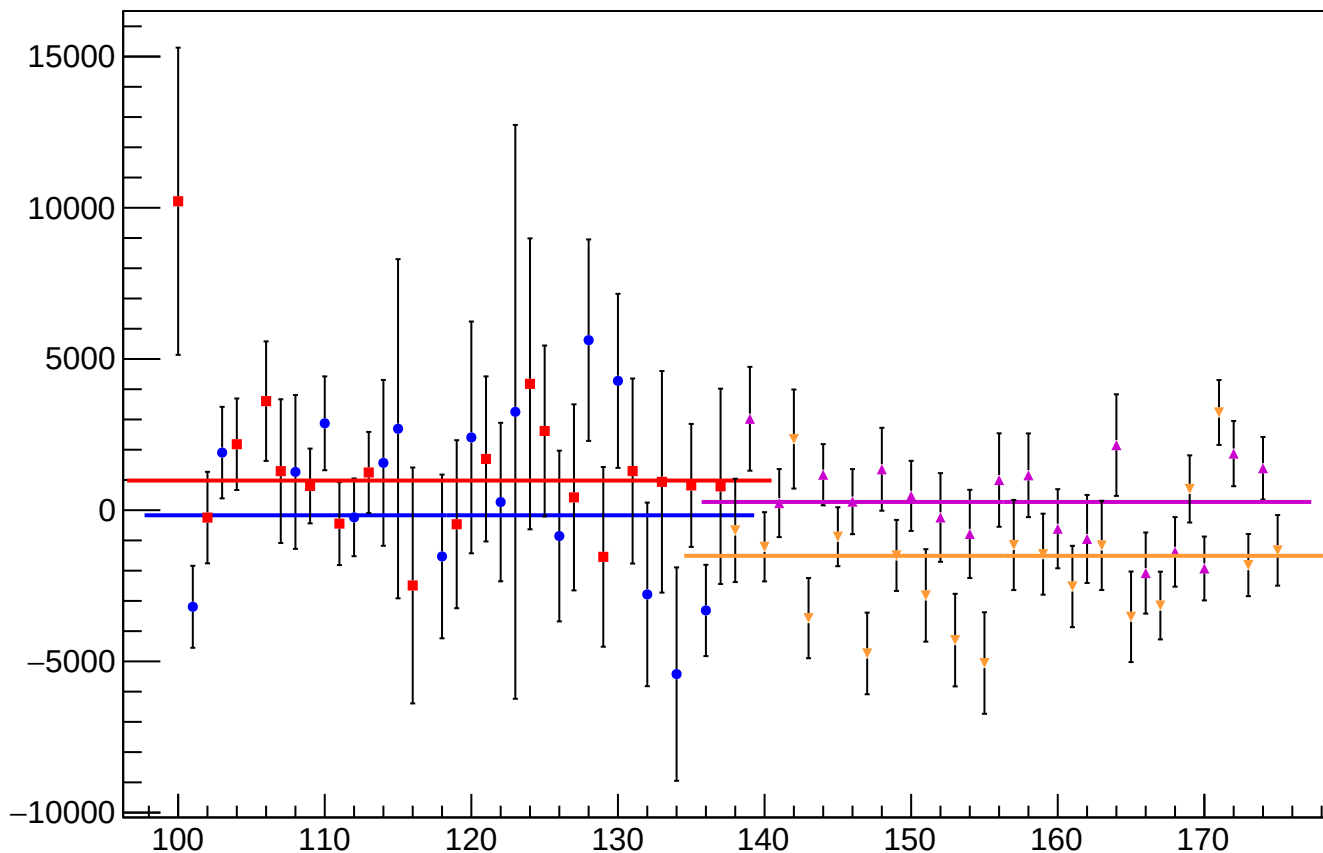
Right: 133.123 $\pm$ 0.026 χ^2 /NDF: 845638.9/35

In: 138.034 $\pm$ 0.022 χ^2 /NDF:630405.0/34

Out: 137.918 $\pm$ 0.021 χ^2 /NDF:792578.6/38

All: 137.974 $\pm$ 0.015 χ^2 /NDF: 1422998.5/73

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 $\chi^2/\text{NDF}: 25.3/16$

Left Out: -1508.120 ± 286.224 $\chi^2/\text{NDF}: 51.2/19$

Right Out: 980.517 ± 480.968 $\chi^2/\text{NDF}: 10.2/18$

Left In: 272.276 ± 294.462 $\chi^2/\text{NDF}: 20.5/17$

Left: -643.173 ± 205.242 $\chi^2/\text{NDF}: 90.5/37$

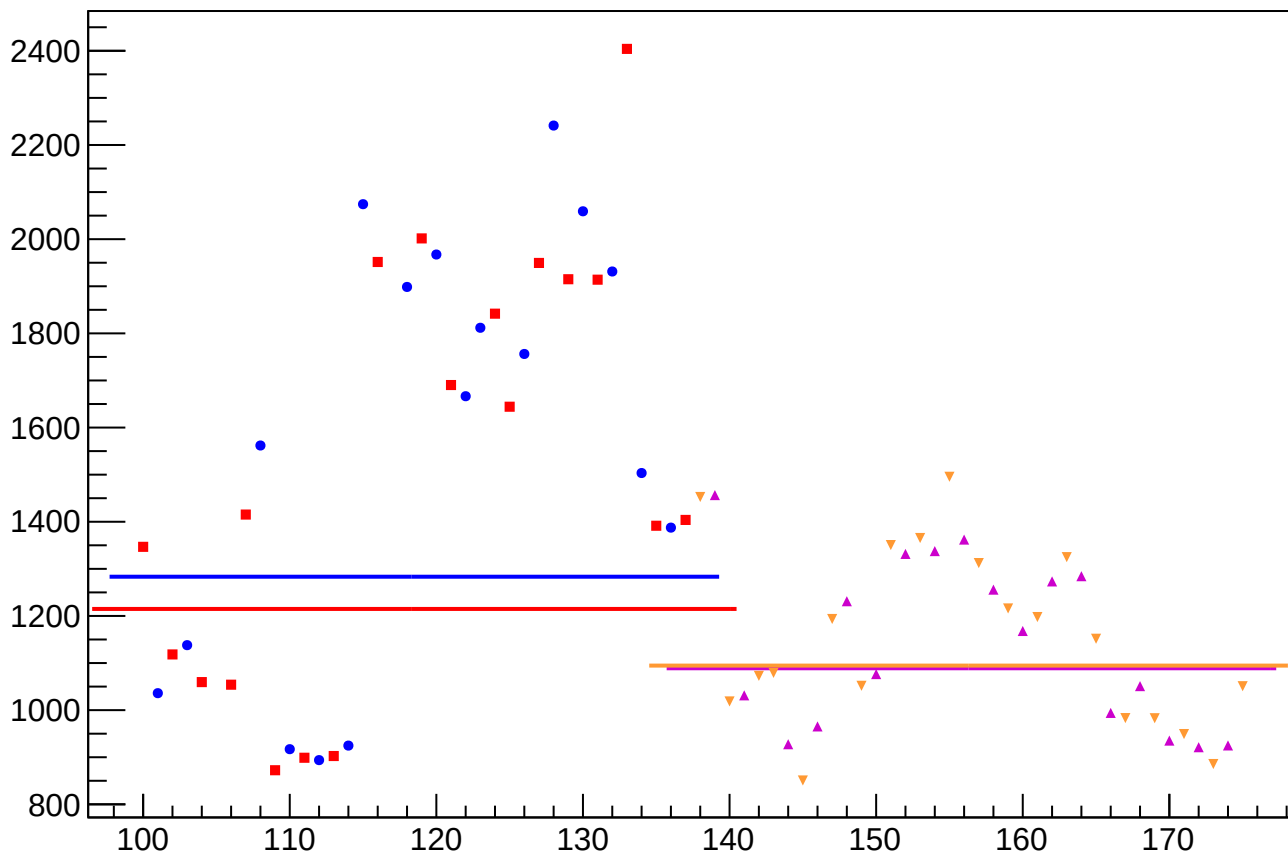
Right: 454.882 ± 354.232 $\chi^2/\text{NDF}: 38.1/35$

In: 166.453 ± 256.667 $\chi^2/\text{NDF}: 46.4/34$

Out: -857.276 ± 245.965 $\chi^2/\text{NDF}: 81.1/38$

All: -367.199 ± 177.587 $\chi^2/\text{NDF}: 135.8/73$

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: 1094.581 $\pm$ 0.202 χ^2 /NDF: 753448.7/19

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

Left In: 1088.896 $\pm$ 0.208 χ^2 /NDF: 619912.4/17

Left: 1091.819 $\pm$ 0.145 χ^2 /NDF: 1373744.4/37

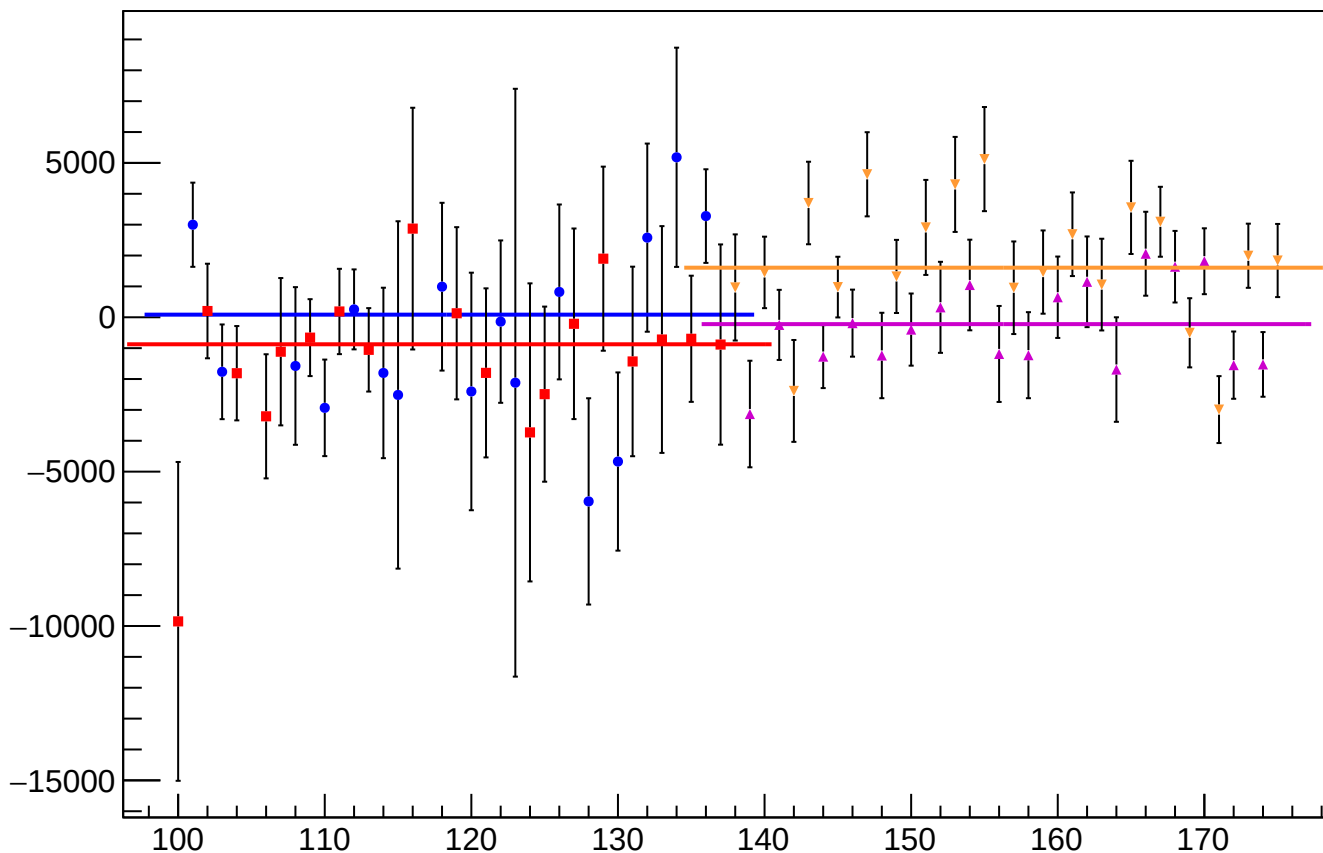
Right: 1246.197 $\pm$ 0.250 χ^2 /NDF: 2548819.1/35

In: 1135.601 $\pm$ 0.181 χ^2 /NDF: 1998796.3/34

Out: 1126.043 $\pm$ 0.174 χ^2 /NDF: 2206709.8/38

All: 1130.619 $\pm$ 0.126 χ^2 /NDF: 4206951.9/73

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 $\pm$ 527.082 χ^2 /NDF: 24.7/16

Left Out: 1606.291 $\pm$ 288.774 χ^2 /NDF:48.1/19

Right Out: -874.592 $\pm$ 484.647 χ^2 /NDF: 8.7/18

Left In: -221.800 $\pm$ 297.034 χ^2 /NDF:20.4/17

Left: 718.016 $\pm$ 207.052 χ^2 /NDF: 87.9/37

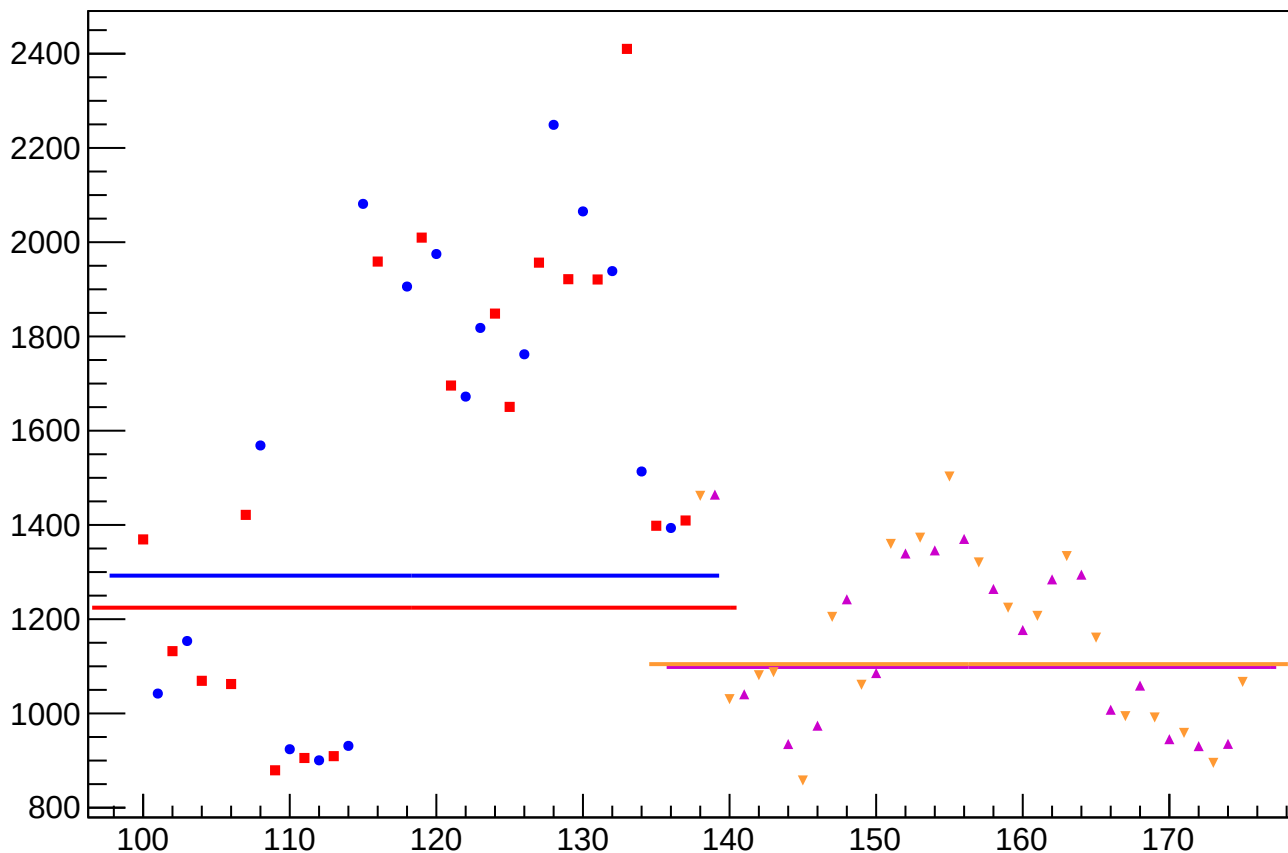
Right: -434.939 $\pm$ 356.757 χ^2 /NDF: 35.2/35

In: -147.832 $\pm$ 258.772 χ^2 /NDF:45.3/34

Out: 956.278 $\pm$ 248.075 χ^2 /NDF:76.1/38

All: 427.514 $\pm$ 179.078 χ^2 /NDF: 130.9/73

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1104.639 $\pm$ 0.204 χ^2 /NDF: 740319.0/19

Right Out: 1224.429 $\pm$ 0.343 χ^2 /NDF: 1345748.2/18

Left In: 1098.669 $\pm$ 0.210 χ^2 /NDF: 608487.6/17

Left: 1101.738 $\pm$ 0.146 χ^2 /NDF: 1349222.0/37

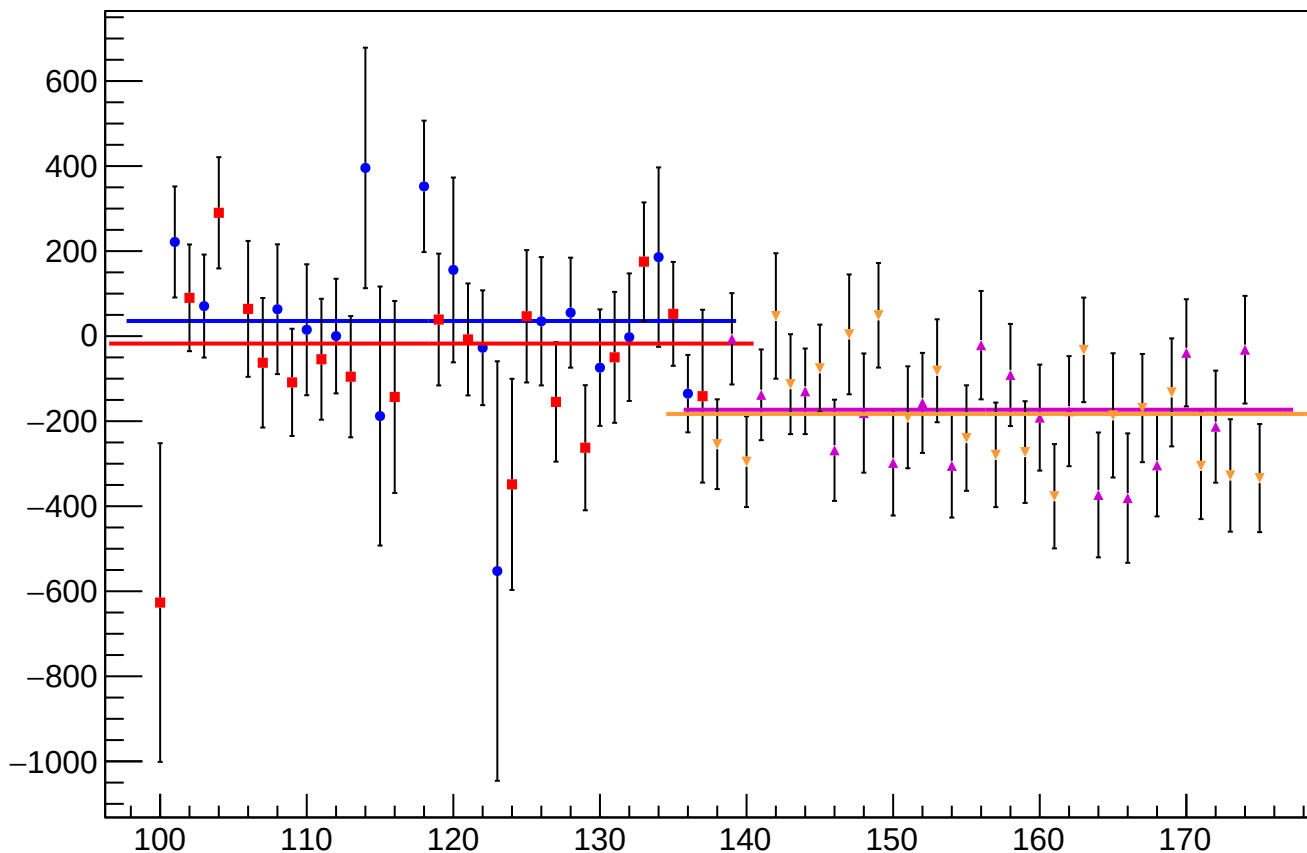
Right: 1255.580 $\pm$ 0.252 χ^2 /NDF: 2520360.3/35

In: 1145.370 $\pm$ 0.183 χ^2 /NDF: 1970185.1/34

Out: 1136.025 $\pm$ 0.175 χ^2 /NDF: 2176238.9/38

All: 1140.501 $\pm$ 0.127 χ^2 /NDF: 4147783.1/73

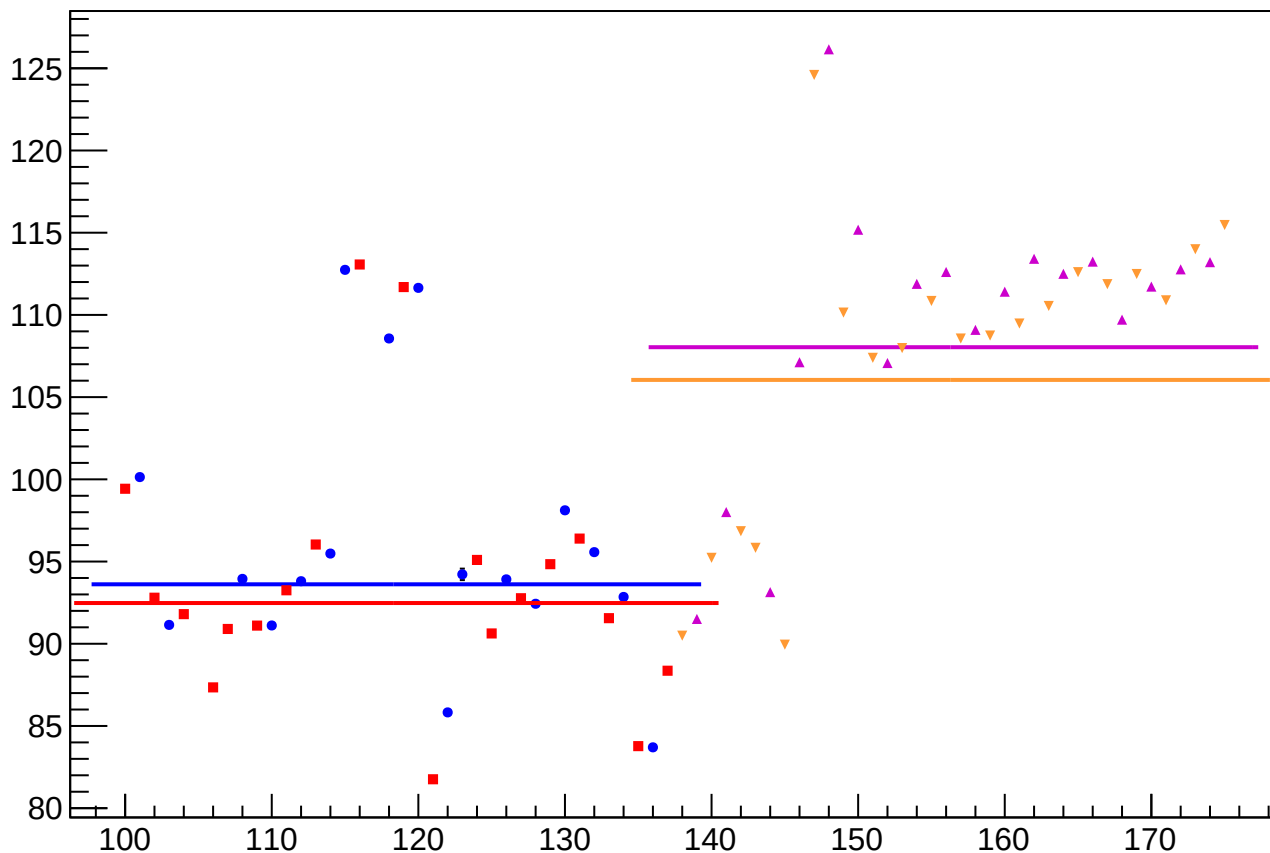
reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$
 Left Out: -182.967 ± 27.400 $\chi^2/\text{NDF}: 20.6/19$
 Right Out: -17.418 ± 34.691 $\chi^2/\text{NDF}: 18.9/18$
 Left In: -173.033 ± 28.912 $\chi^2/\text{NDF}: 14.8/17$

Left: -178.266 ± 19.888 $\chi^2/\text{NDF}: 35.5/37$
 Right: 7.891 ± 25.096 $\chi^2/\text{NDF}: 35.3/35$
 In: -92.162 ± 22.627 $\chi^2/\text{NDF}: 50.3/34$
 Out: -119.366 ± 21.502 $\chi^2/\text{NDF}: 53.5/38$
 All: -106.457 ± 15.587 $\chi^2/\text{NDF}: 104.6/73$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616 $\pm$ 0.026 χ^2 /NDF: 79928.5/16

Left Out: 106.047 $\pm$ 0.019 χ^2 /NDF: 217323.7/19

Right Out: 92.477 $\pm$ 0.025 χ^2 /NDF: 78591.0/18

Left In: 108.036 $\pm$ 0.020 χ^2 /NDF: 170969.5/17

Left: 106.988 $\pm$ 0.014 χ^2 /NDF: 393283.9/37

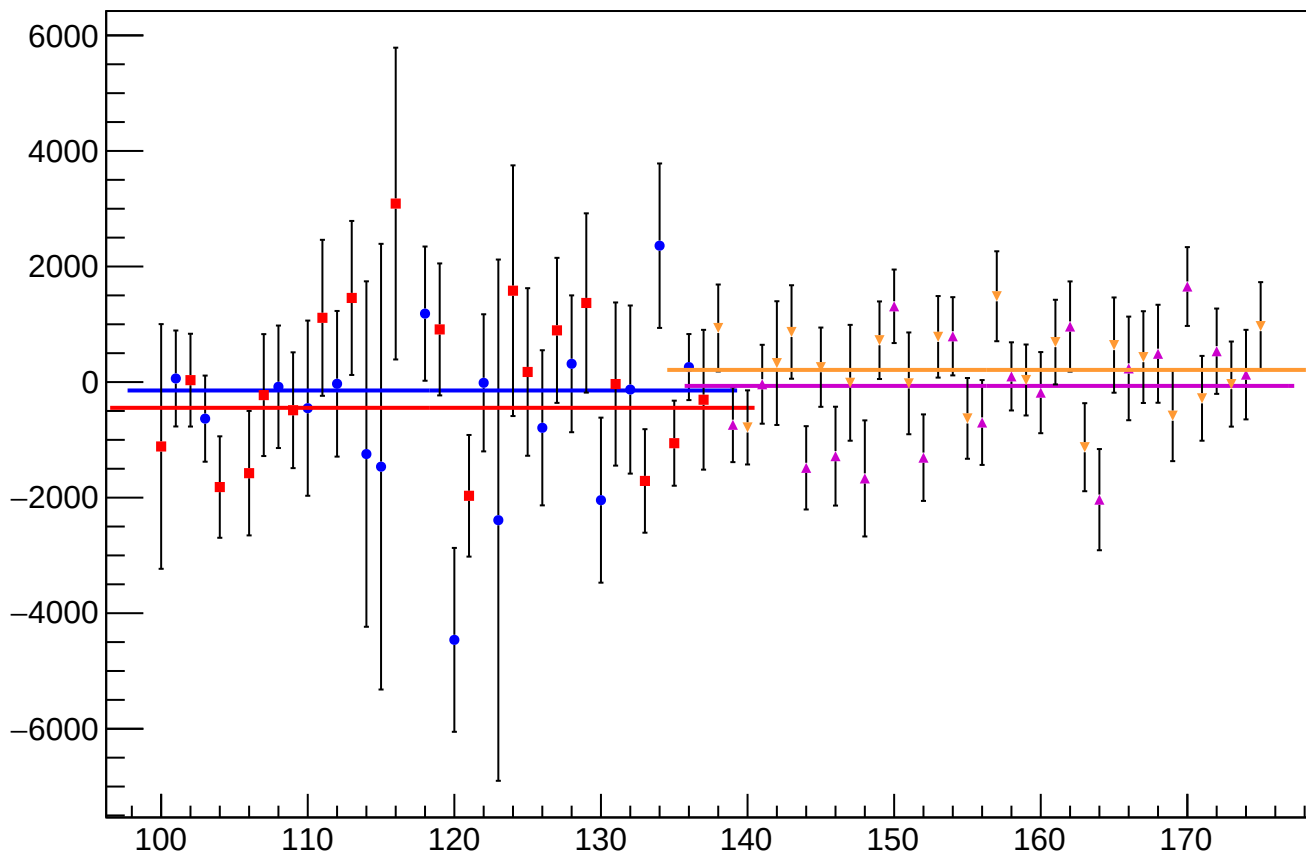
Right: 93.020 $\pm$ 0.018 χ^2 /NDF: 159546.8/35

In: 102.449 $\pm$ 0.016 χ^2 /NDF: 443689.0/34

Out: 100.833 $\pm$ 0.015 χ^2 /NDF: 484353.3/38

All: 101.600 $\pm$ 0.011 χ^2 /NDF: 933397.9/73

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: 210.581 $\pm$ 168.382 χ^2 /NDF:16.0/19

Right Out: -445.575 $\pm$ 260.276 χ^2 /NDF: 19.0/18

Left In: -66.237 $\pm$ 173.439 χ^2 /NDF:33.8/17

Left: 76.267 $\pm$ 120.812 χ^2 /NDF: 51.1/37

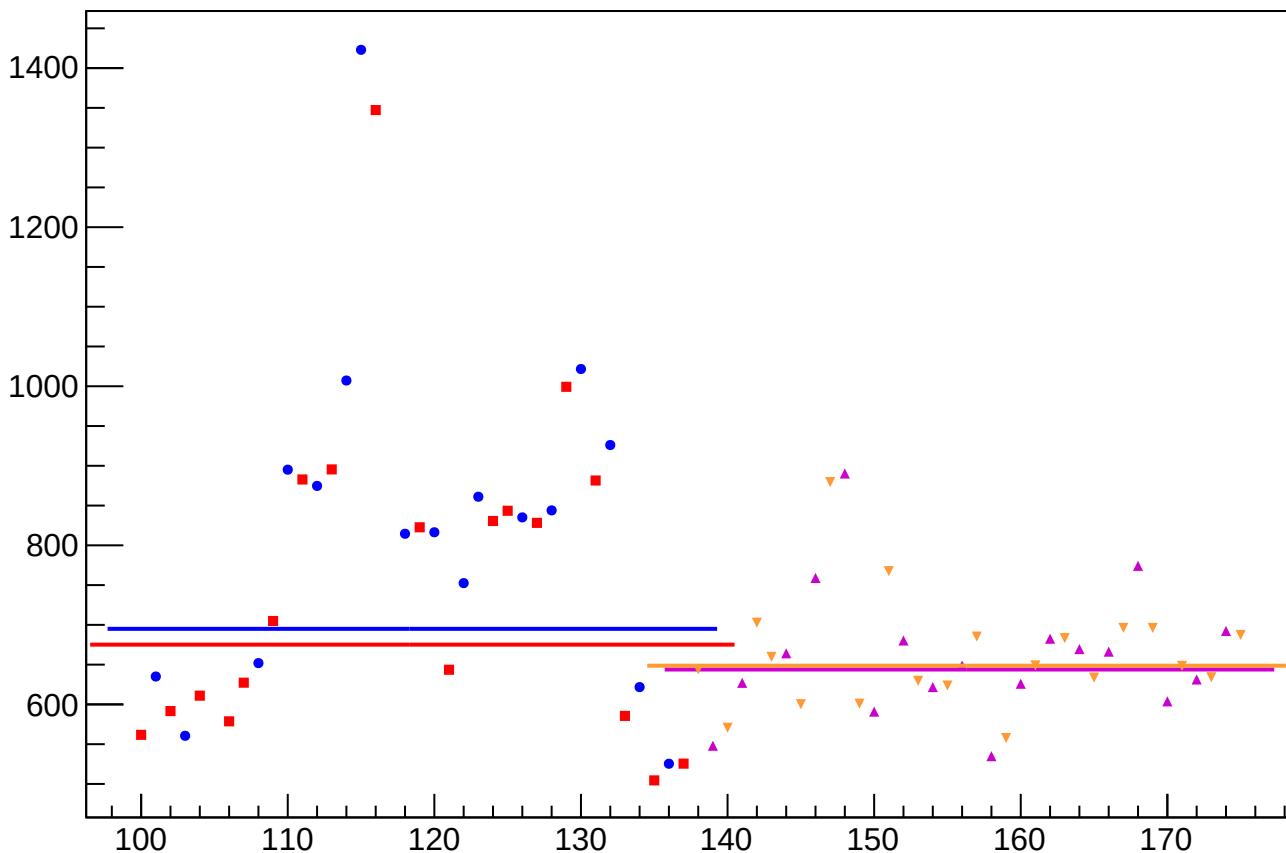
Right: -304.652 $\pm$ 189.560 χ^2 /NDF: 35.1/35

In: -88.593 $\pm$ 146.946 χ^2 /NDF:49.4/34

Out: 16.987 $\pm$ 141.376 χ^2 /NDF:39.5/38

All: -33.764 $\pm$ 101.880 χ^2 /NDF: 89.1/73

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: 648.664 $\pm$ 0.119 χ^2 /NDF: 275184.7/19

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

Left In: 643.859 $\pm$ 0.123 χ^2 /NDF: 364081.4/17

Left: 646.333 $\pm$ 0.085 χ^2 /NDF: 640056.4/37

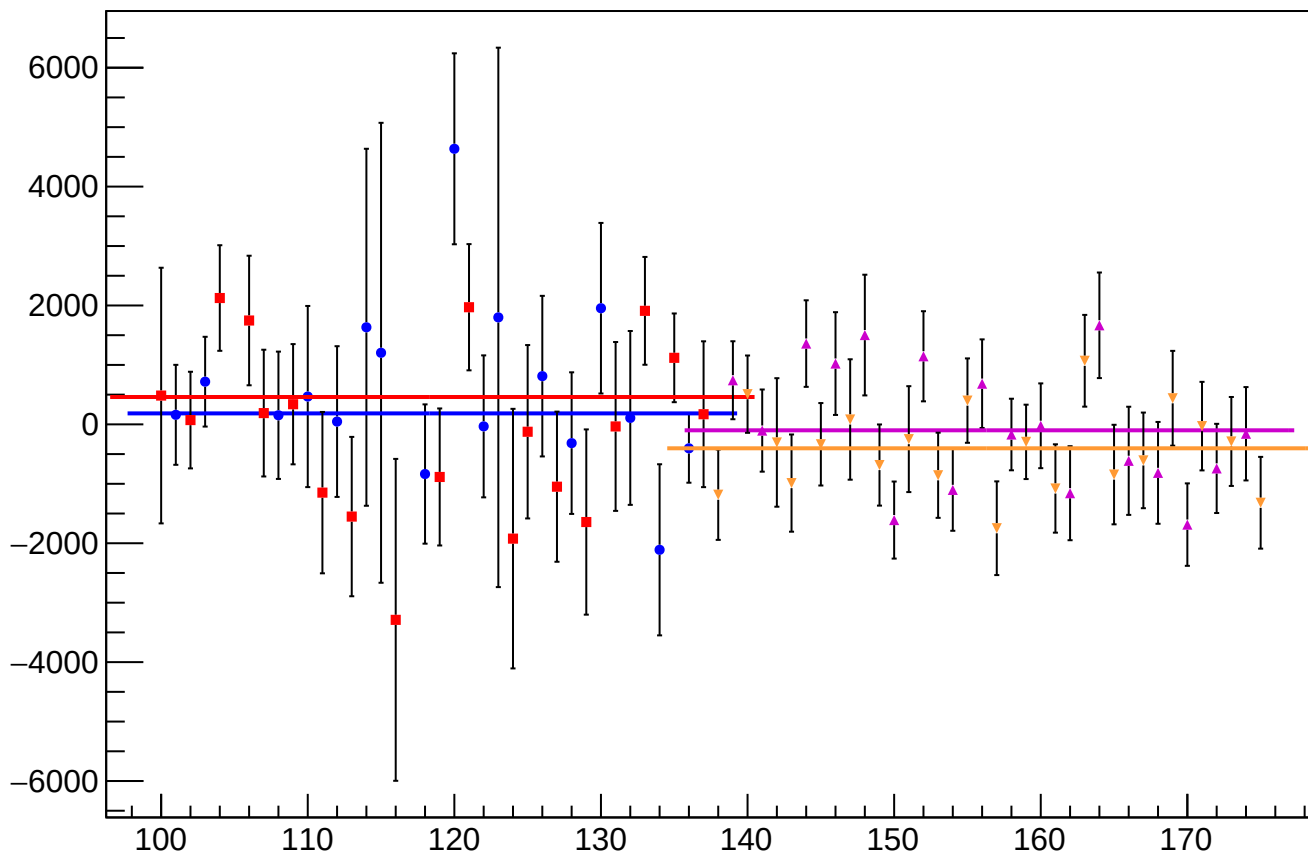
Right: 684.478 $\pm$ 0.134 χ^2 /NDF: 1359576.7/35

In: 658.294 $\pm$ 0.104 χ^2 /NDF: 1090887.6/34

Out: 656.479 $\pm$ 0.100 χ^2 /NDF: 966179.4/38

All: 657.351 $\pm$ 0.072 χ^2 /NDF: 2057225.4/73

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 ± 279.390 $\chi^2/\text{NDF}: 14.9/16$

Left Out: -402.710 ± 170.733 $\chi^2/\text{NDF}: 16.2/19$

Right Out: 460.174 ± 262.960 $\chi^2/\text{NDF}: 22.3/18$

Left In: -100.012 ± 175.991 $\chi^2/\text{NDF}: 34.0/17$

Left: -255.951 ± 122.543 $\chi^2/\text{NDF}: 51.7/37$

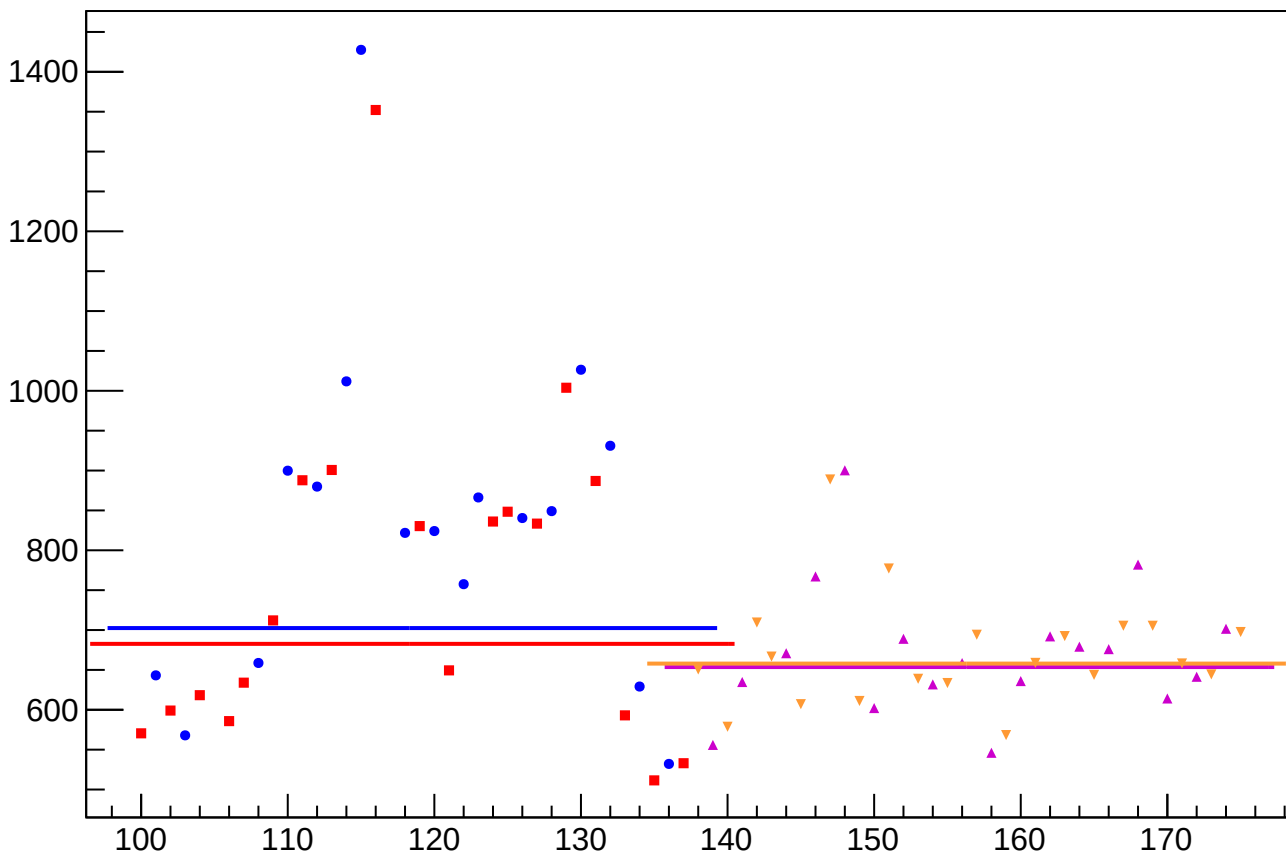
Right: 330.689 ± 191.486 $\chi^2/\text{NDF}: 37.7/35$

In: -19.185 ± 148.910 $\chi^2/\text{NDF}: 49.6/34$

Out: -146.826 ± 143.197 $\chi^2/\text{NDF}: 46.1/38$

All: -85.501 ± 103.216 $\chi^2/\text{NDF}: 96.1/73$

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 657.918 $\pm$ 0.121 χ^2 /NDF:268145.6/19

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

Left In: 653.576 $\pm$ 0.124 χ^2 /NDF:350637.9/17

Left: 655.813 $\pm$ 0.087 χ^2 /NDF: 619410.9/37

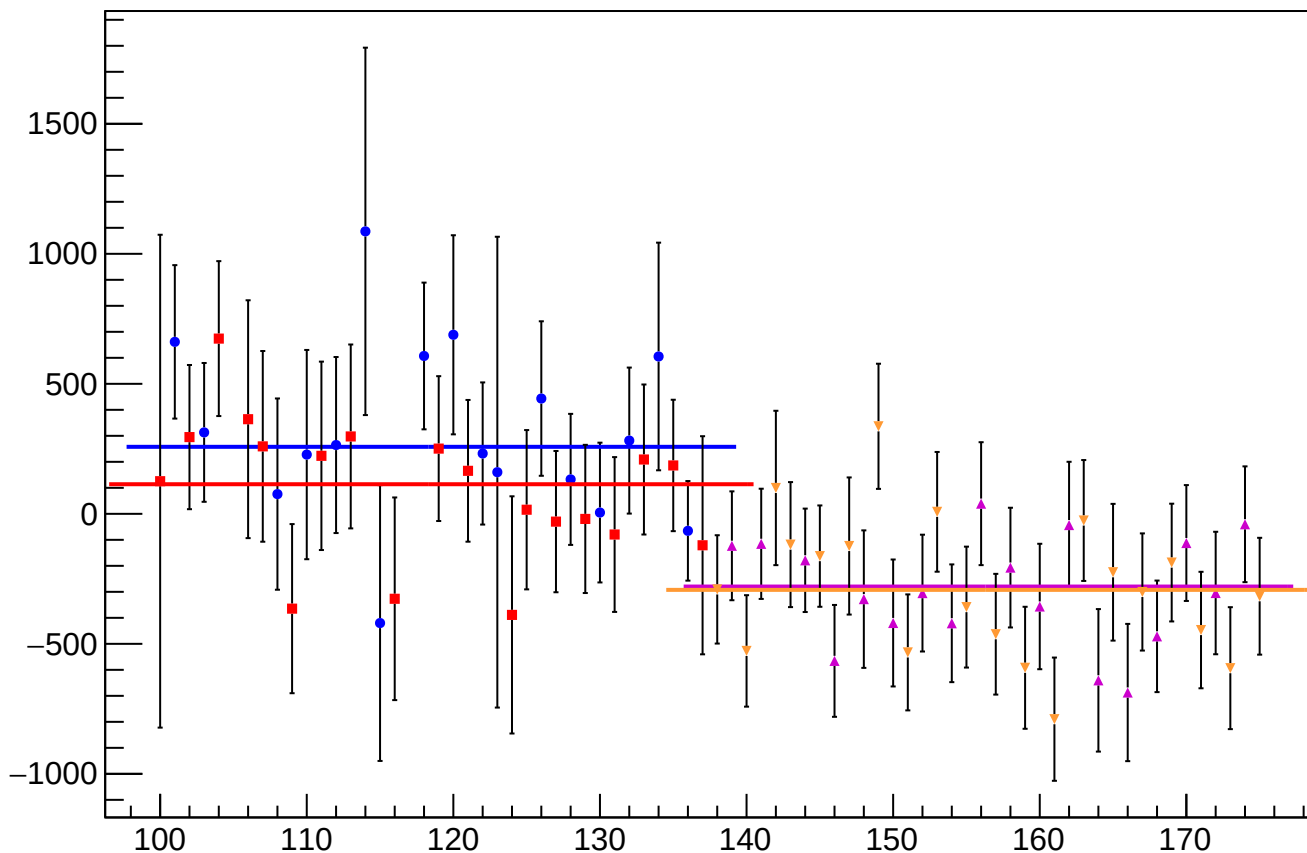
Right: 691.966 $\pm$ 0.135 χ^2 /NDF: 1325377.5/35

In: 667.465 $\pm$ 0.105 χ^2 /NDF:1055014.0/34

Out: 665.256 $\pm$ 0.101 χ^2 /NDF:940124.2/38

All: 666.317 $\pm$ 0.073 χ^2 /NDF: 1995366.9/73

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: -292.445 $\pm$ 51.742 χ^2 /NDF:24.4/19

Right Out: 113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

Left In: -279.653 $\pm$ 54.156 χ^2 /NDF:13.6/17

Left: -286.341 $\pm$ 37.412 χ^2 /NDF: 38.0/37

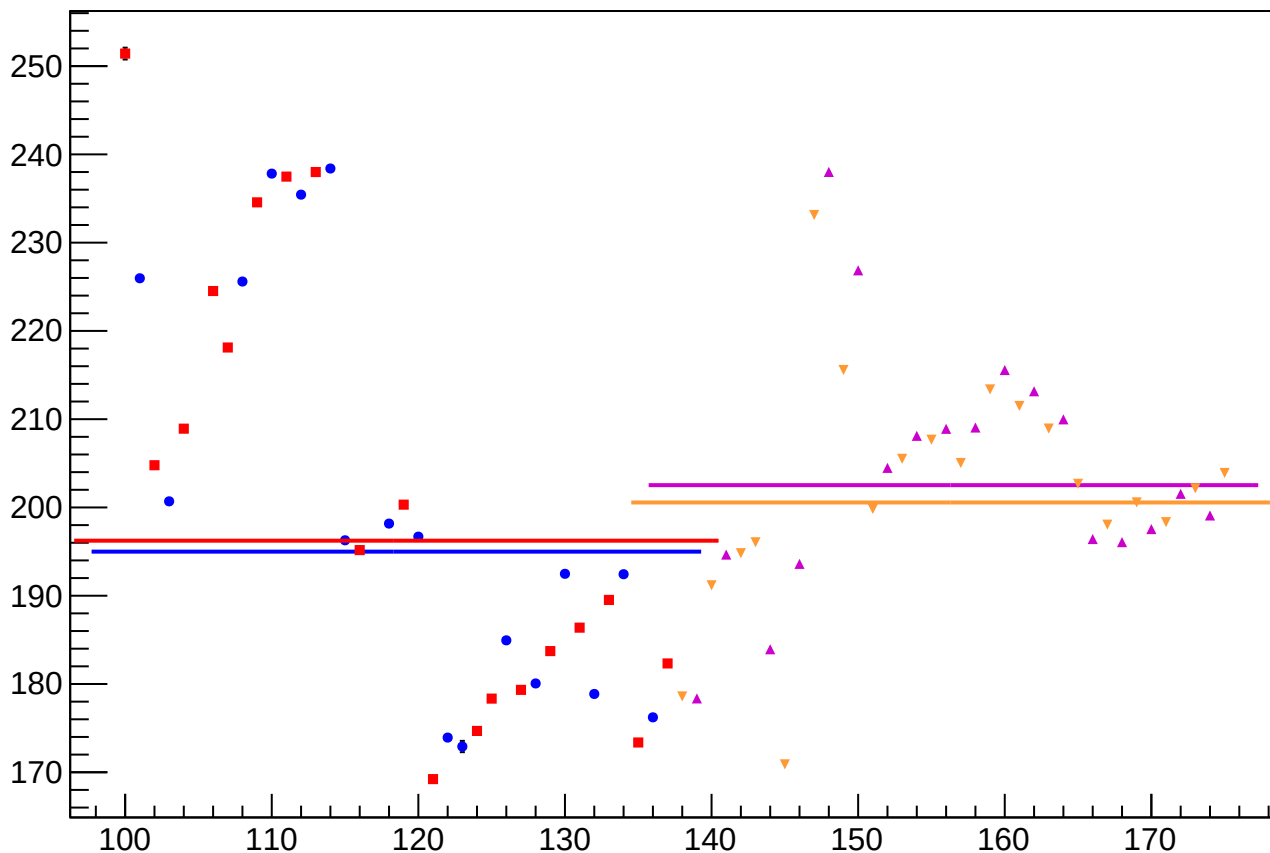
Right: 184.138 $\pm$ 53.073 χ^2 /NDF: 26.1/35

In: -98.464 $\pm$ 44.091 χ^2 /NDF:59.8/34

Out: -159.541 $\pm$ 42.444 χ^2 /NDF:55.8/38

All: -130.164 $\pm$ 30.578 χ^2 /NDF: 116.6/73

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 200.563 ± 0.037 χ^2/NDF : 129670.3/19

Right Out: 196.235 ± 0.052 χ^2/NDF : 173491.6/18

Left In: 202.527 ± 0.038 χ^2/NDF : 126175.6/17

Left: 201.501 ± 0.026 χ^2/NDF : 257220.5/37

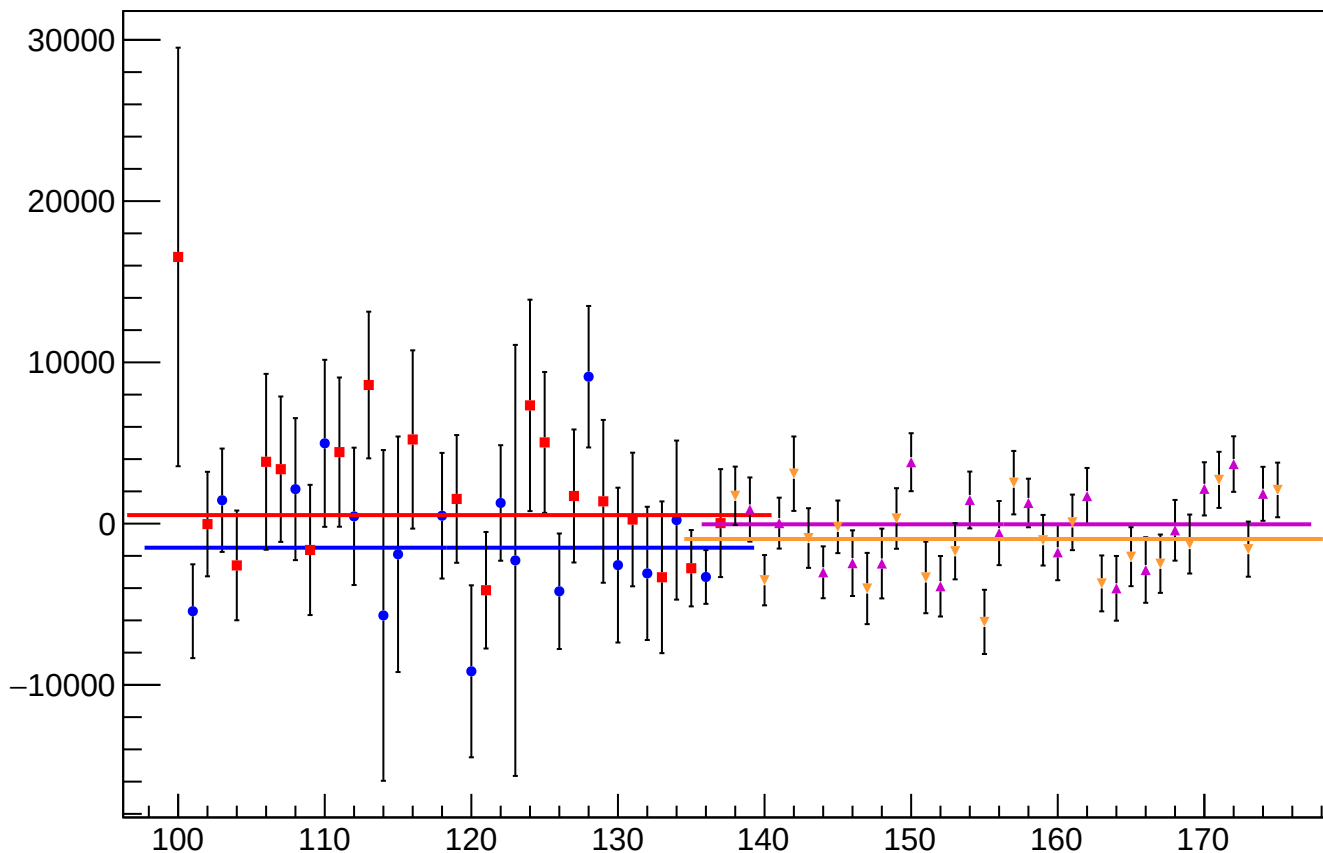
Right: 195.629 ± 0.038 χ^2/NDF : 318035.8/35

In: 199.987 ± 0.031 χ^2/NDF : 283493.1/34

Out: 199.148 ± 0.030 χ^2/NDF : 307740.3/38

All: 199.551 ± 0.022 χ^2/NDF : 591609.9/73

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280 $\pm$ 910.834 χ^2 /NDF: 16.1/16

Left Out: -953.158 $\pm$ 404.699 χ^2 /NDF:33.5/19

Right Out: 528.758 $\pm$ 934.718 χ^2 /NDF: 14.6/18

Left In: -41.903 $\pm$ 422.510 χ^2 /NDF:32.3/17

Left: -517.141 $\pm$ 292.259 χ^2 /NDF: 68.3/37

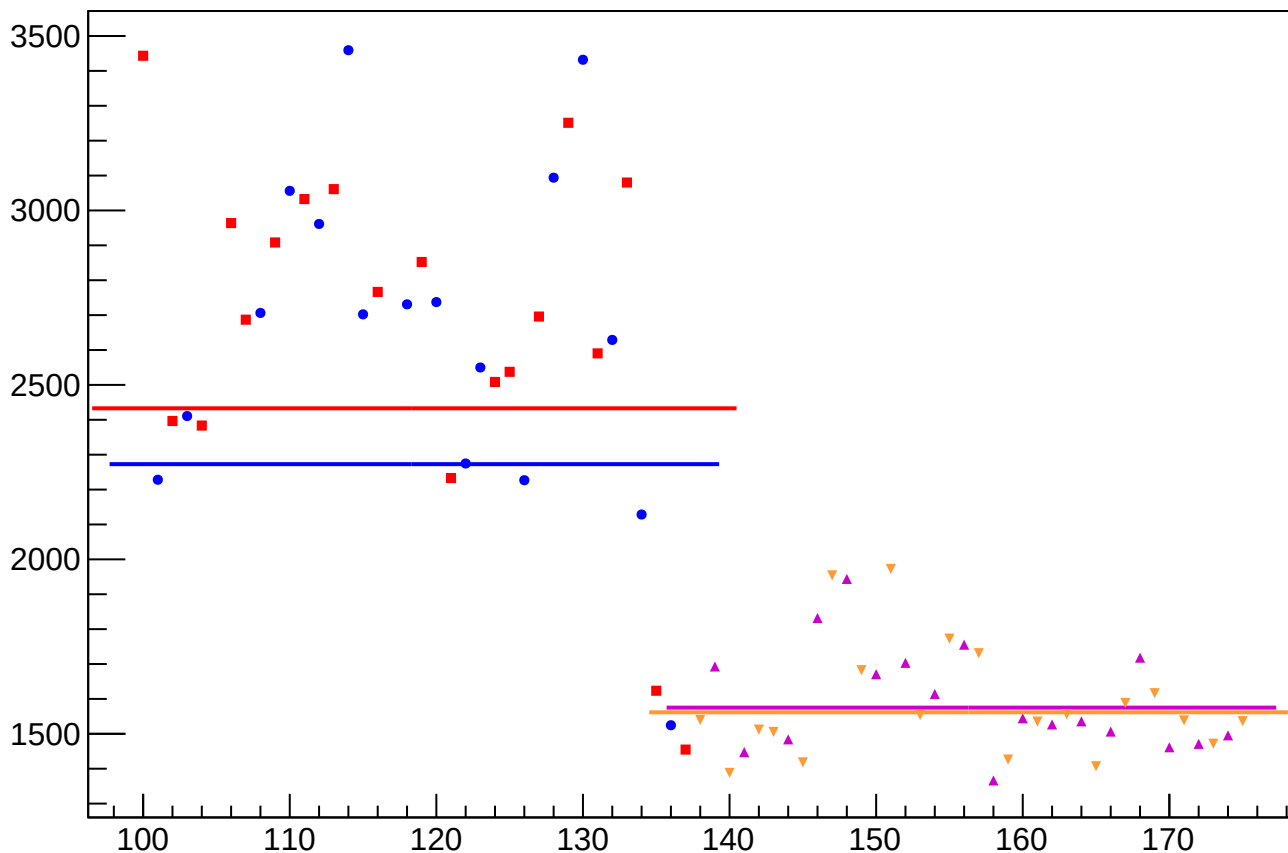
Right: -508.424 $\pm$ 652.337 χ^2 /NDF: 33.2/35

In: -298.904 $\pm$ 383.281 χ^2 /NDF:50.6/34

Out: -719.215 $\pm$ 371.384 χ^2 /NDF:50.3/38

All: -515.684 $\pm$ 266.715 χ^2 /NDF: 101.5/73

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1561.634+/-0.286 χ^2/NDF : 258958.8/19

Right Out: 2432.950+/-0.661 χ^2/NDF : 680783.9/18

Left In: 1575.010+/-0.299 χ^2/NDF : 225383.1/17

Left: 1568.034+/-0.207 χ^2/NDF : 485387.2/37

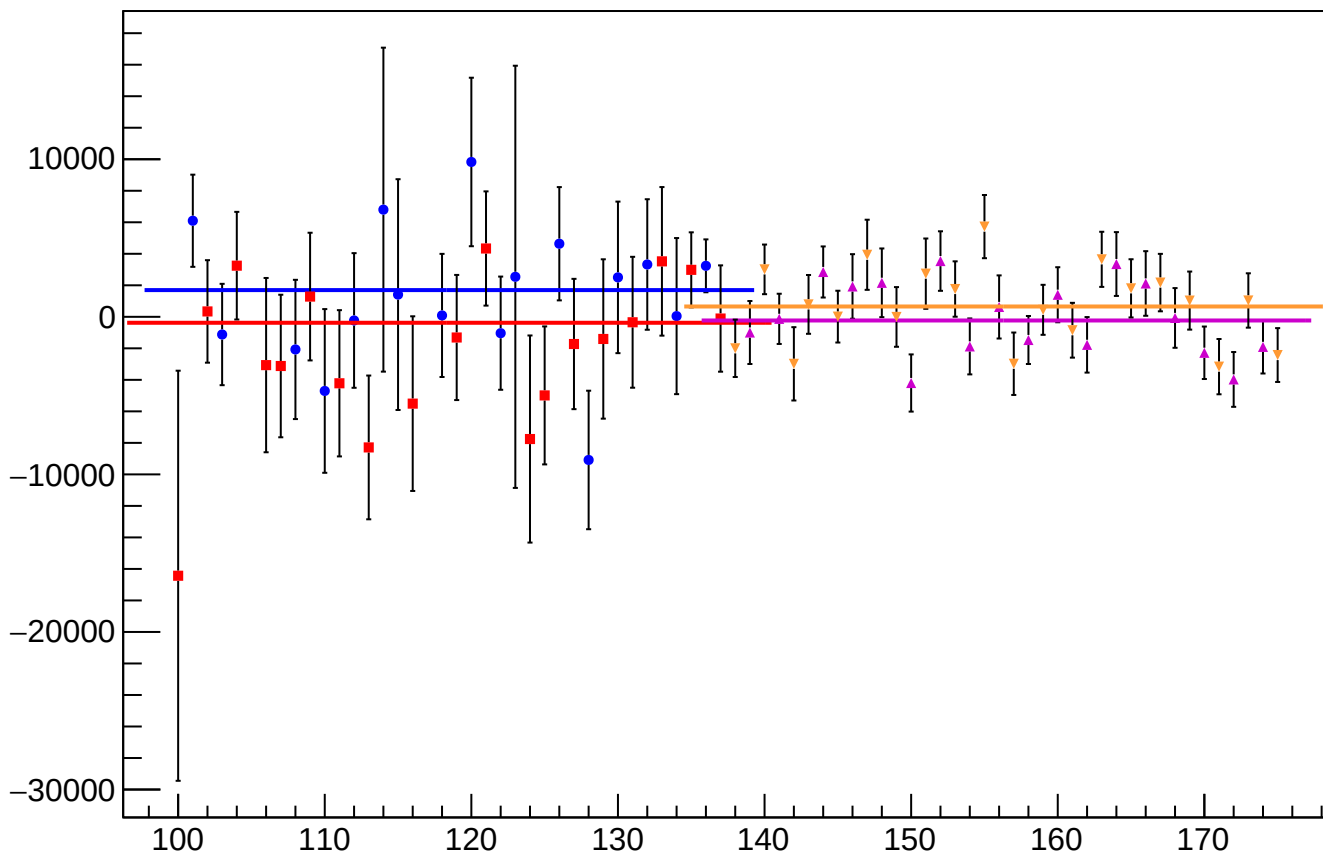
Right: 2350.846+/-0.461 χ^2/NDF : 1516518.2/35

In: 1698.586+/-0.271 χ^2/NDF : 1997229.7/34

Out: 1699.185+/-0.263 χ^2/NDF : 2403272.6/38

All: 1698.895+/-0.189 χ^2/NDF : 4400504.8/73

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 655.638 $\pm$ 408.149 χ^2 /NDF:33.1/19

Right Out: -377.629 $\pm$ 938.528 χ^2 /NDF: 15.0/18

Left In: -232.600 $\pm$ 426.143 χ^2 /NDF:29.8/17

Left: 230.669 $\pm$ 294.761 χ^2 /NDF: 65.2/37

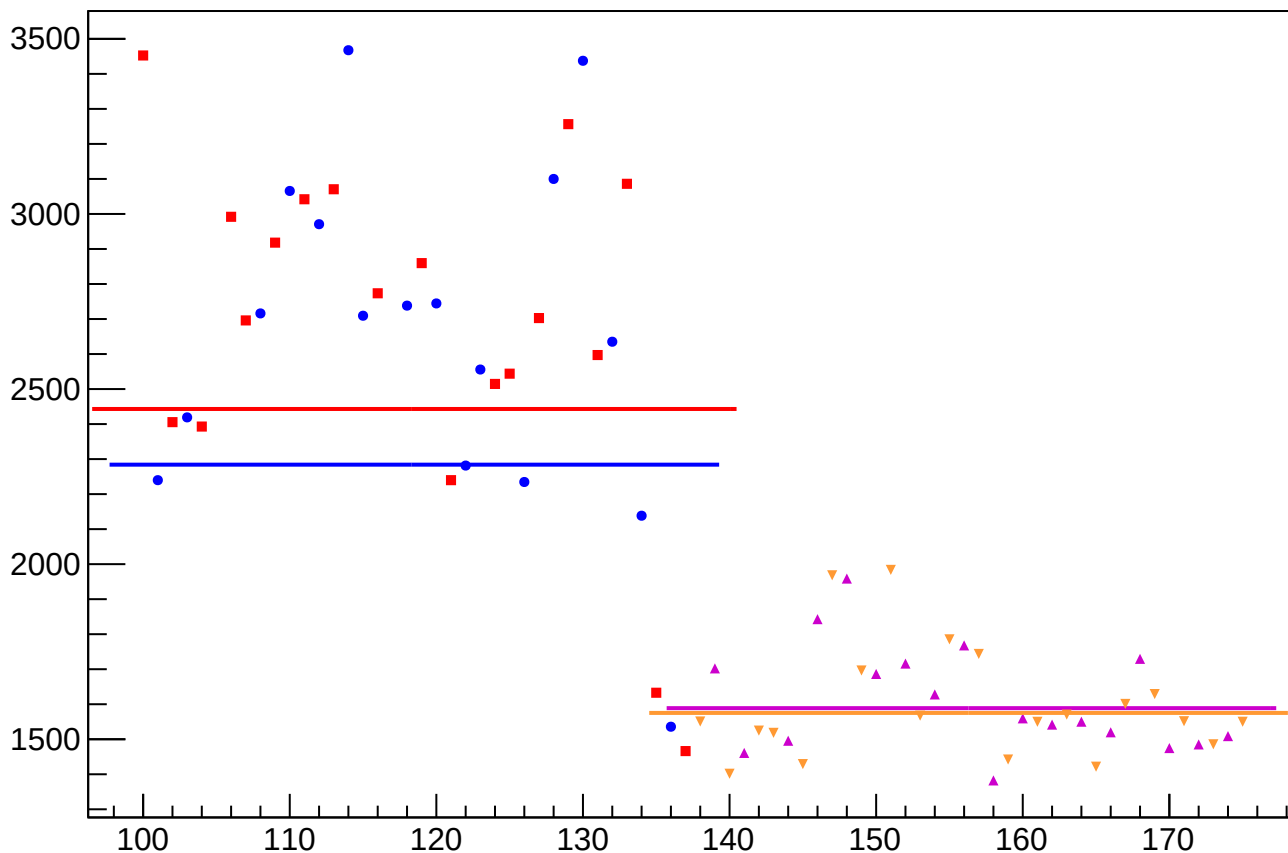
Right: 685.645 $\pm$ 655.109 χ^2 /NDF: 34.1/35

In: 111.241 $\pm$ 386.291 χ^2 /NDF:50.0/34

Out: 491.304 $\pm$ 374.287 χ^2 /NDF:49.1/38

All: 307.270 $\pm$ 268.805 χ^2 /NDF: 99.7/73

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2/NDF : 793993.4/16

Left Out: 1575.189 $\pm$ 0.289 χ^2/NDF : 253992.5/19

Right Out: 2443.124 $\pm$ 0.664 χ^2/NDF : 672899.9/18

Left In: 1588.800 $\pm$ 0.301 χ^2/NDF : 219840.4/17

Left: 1581.701 $\pm$ 0.208 χ^2/NDF : 474897.1/37

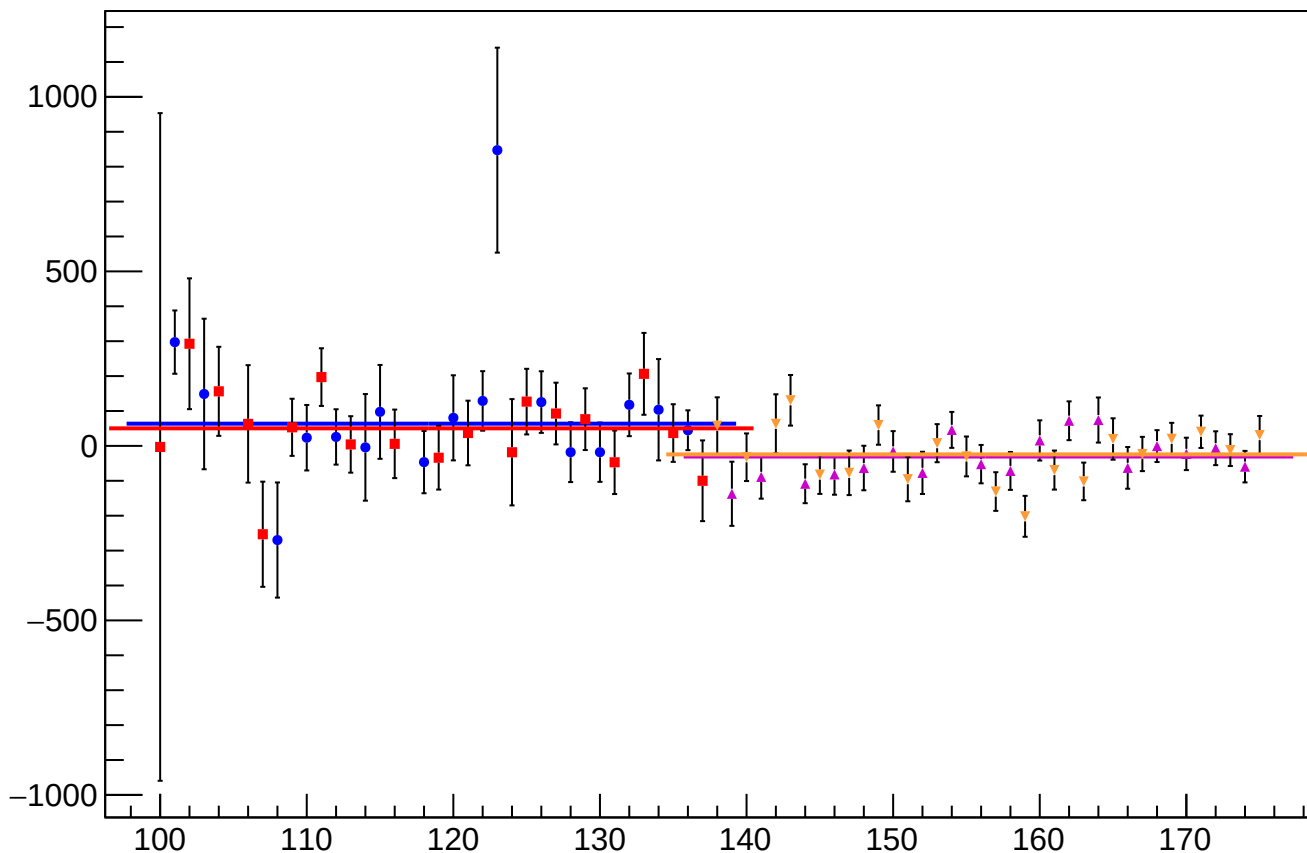
Right: 2361.583 $\pm$ 0.463 χ^2/NDF : 1496334.9/35

In: 1712.766 $\pm$ 0.273 χ^2/NDF : 1963109.7/34

Out: 1713.229 $\pm$ 0.265 χ^2/NDF : 2365303.0/38

All: 1713.004 $\pm$ 0.190 χ^2/NDF : 4328414.2/73

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666+/-23.743 χ^2/NDF : 23.7/16

Left Out: -24.340+/-12.685 χ^2/NDF :32.4/19

Right Out: 50.278+/-23.661 χ^2/NDF : 16.8/18

Left In: -30.472+/-13.067 χ^2/NDF :16.9/17

Left: -27.315+/-9.102 χ^2/NDF : 49.4/37

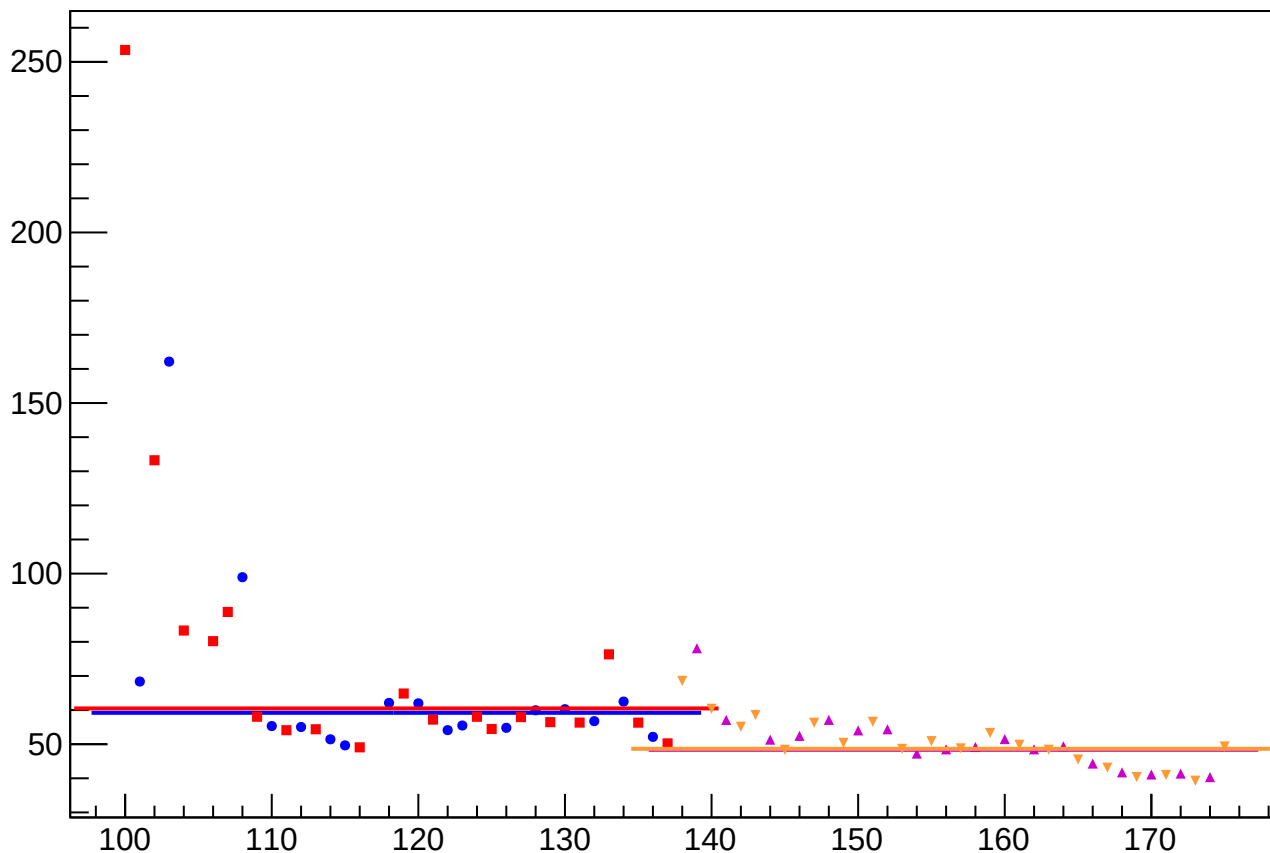
Right: 56.949+/-16.760 χ^2/NDF : 40.6/35

In: -8.587+/-11.448 χ^2/NDF :52.6/34

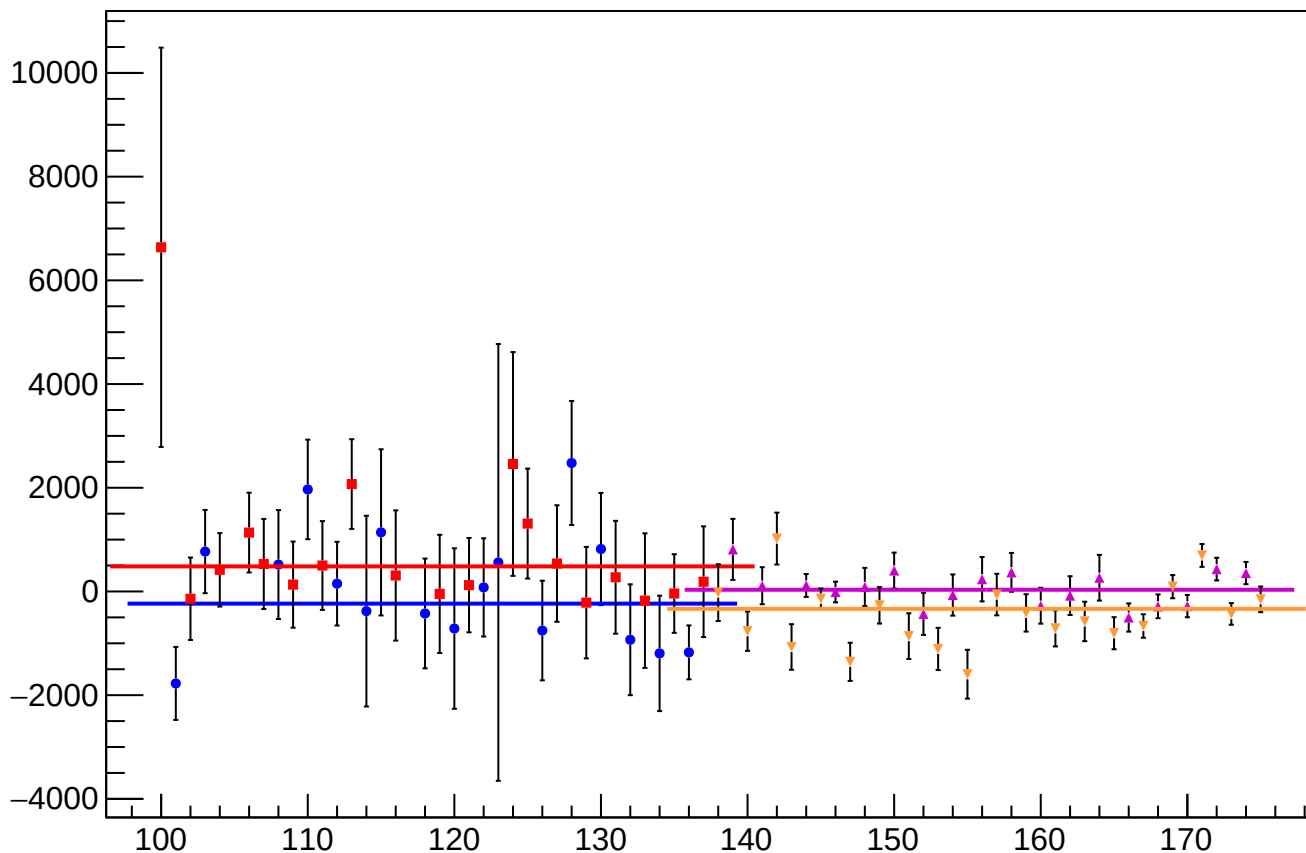
Out: -7.681+/-11.180 χ^2/NDF :56.9/38

All: -8.123+/-7.998 χ^2/NDF : 109.5/73

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 $\pm$ 233.880 χ^2 /NDF: 24.2/16

Left Out: -334.853 $\pm$ 68.176 χ^2 /NDF:65.5/19

Right Out: 483.305 $\pm$ 222.314 χ^2 /NDF: 10.6/18

Left In: 33.104 $\pm$ 68.270 χ^2 /NDF:20.2/17

Left: -151.126 $\pm$ 48.241 χ^2 /NDF: 100.3/37

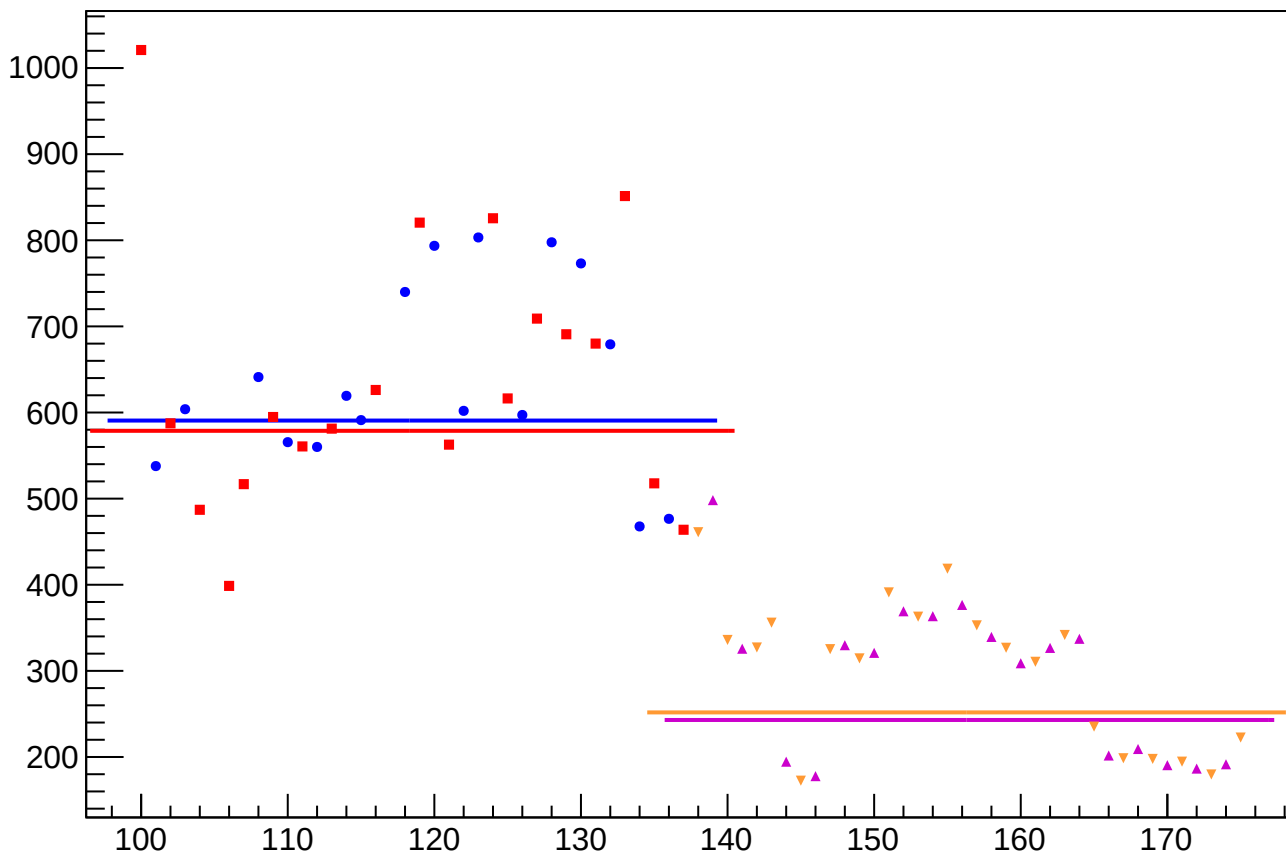
Right: 142.594 $\pm$ 161.133 χ^2 /NDF: 39.7/35

In: 12.094 $\pm$ 65.535 χ^2 /NDF:45.6/34

Out: -264.524 $\pm$ 65.180 χ^2 /NDF:88.5/38

All: -126.965 $\pm$ 46.214 χ^2 /NDF: 143.1/73

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 251.774+/-0.048 χ^2/NDF : 2629698.3/19

Right Out: 578.753+/-0.157 χ^2/NDF : 493962.7/18

Left In: 242.977+/-0.048 χ^2/NDF : 2432009.7/17

Left: 247.382+/-0.034 χ^2/NDF : 5078333.6/37

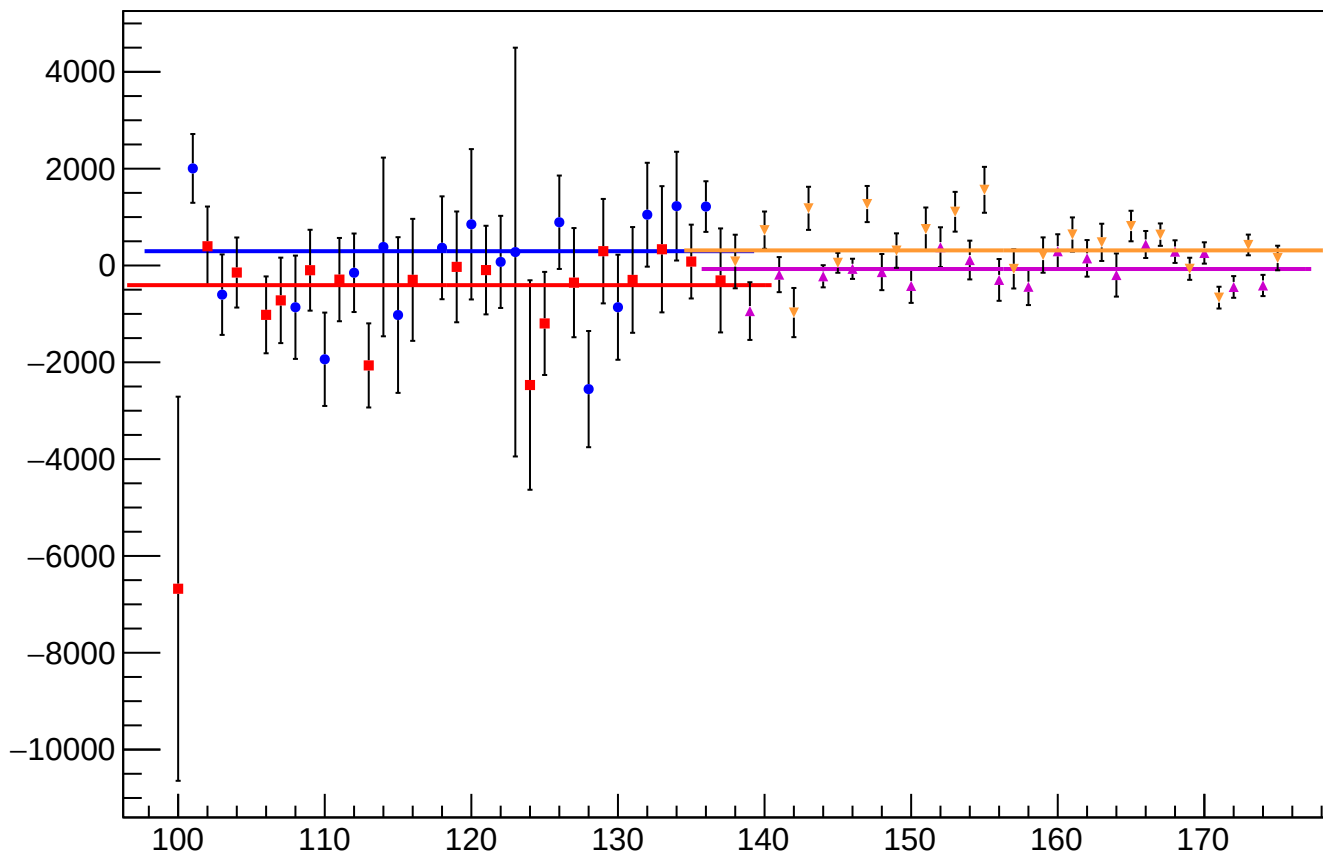
Right: 584.404+/-0.114 χ^2/NDF : 848765.8/35

In: 270.276+/-0.046 χ^2/NDF : 6856916.2/34

Out: 279.881+/-0.046 χ^2/NDF : 7078248.9/38

All: 275.105+/-0.033 χ^2/NDF : 13956764.4/73

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 311.924 $\pm$ 69.591 χ^2 /NDF:60.2/19

Right Out: -406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

Left In: -72.635 $\pm$ 69.832 χ^2 /NDF:20.9/17

Left: 120.309 $\pm$ 49.293 χ^2 /NDF: 96.3/37

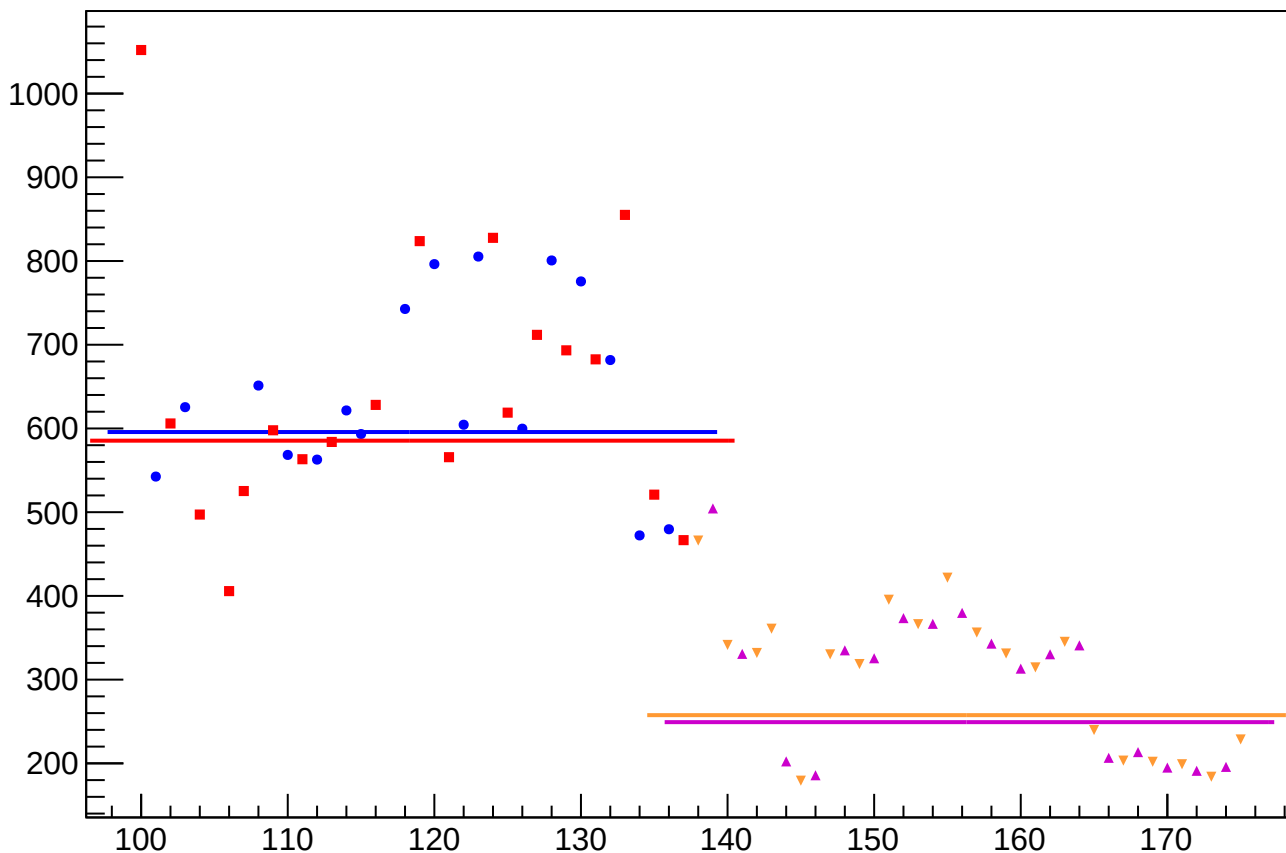
Right: -72.128 $\pm$ 162.748 χ^2 /NDF: 41.7/35

In: -42.973 $\pm$ 66.959 χ^2 /NDF:49.2/34

Out: 249.153 $\pm$ 66.480 χ^2 /NDF:80.5/38

All: 104.139 $\pm$ 47.177 χ^2 /NDF: 139.3/73

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 257.573 $\pm$ 0.049 χ^2 /NDF:2514565.8/19

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

Left In: 249.215 $\pm$ 0.049 χ^2 /NDF:2309778.6/17

Left: 253.408 $\pm$ 0.035 χ^2 /NDF: 4838720.3/37

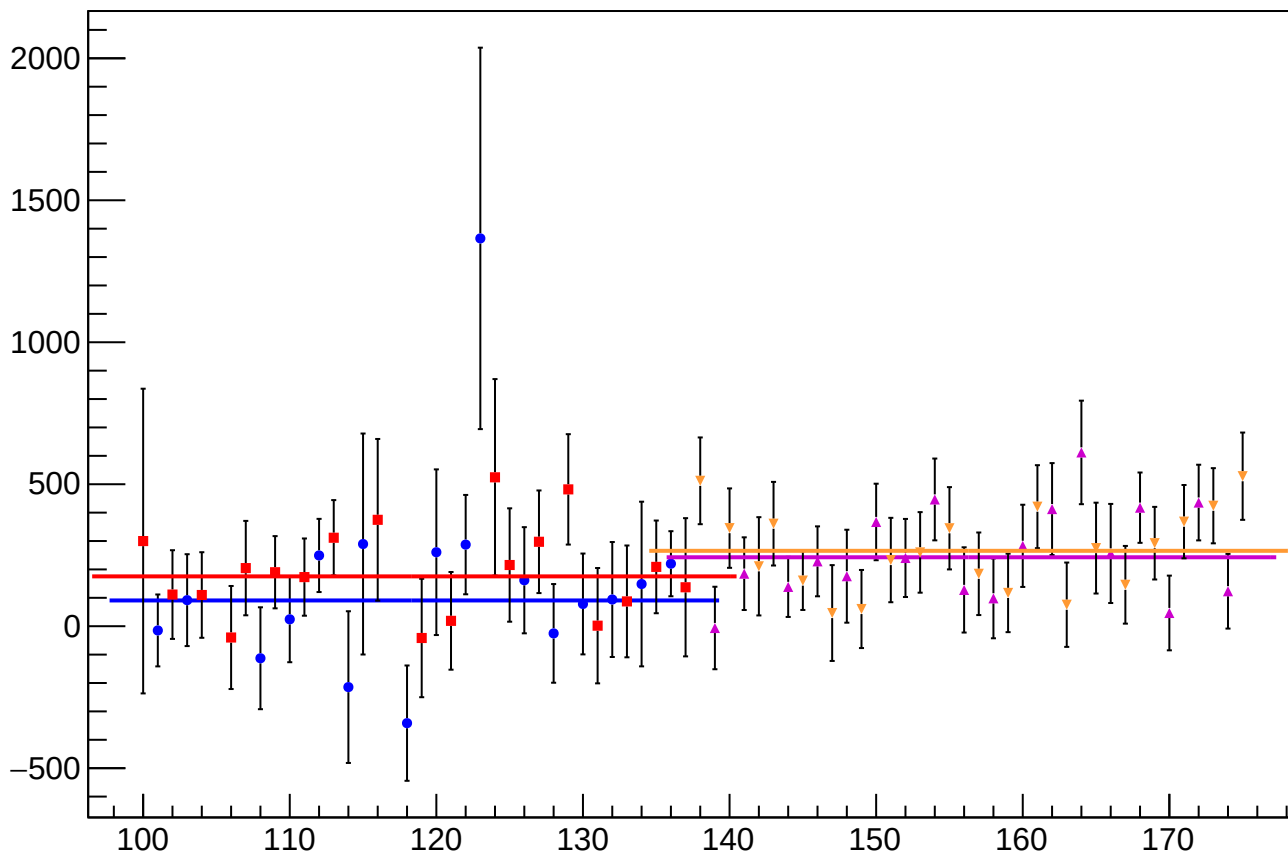
Right: 590.331 $\pm$ 0.115 χ^2 /NDF: 826533.5/35

In: 277.142 $\pm$ 0.047 χ^2 /NDF:6628833.8/34

Out: 286.232 $\pm$ 0.047 χ^2 /NDF:6869159.9/38

All: 281.720 $\pm$ 0.033 χ^2 /NDF: 13516551.8/73

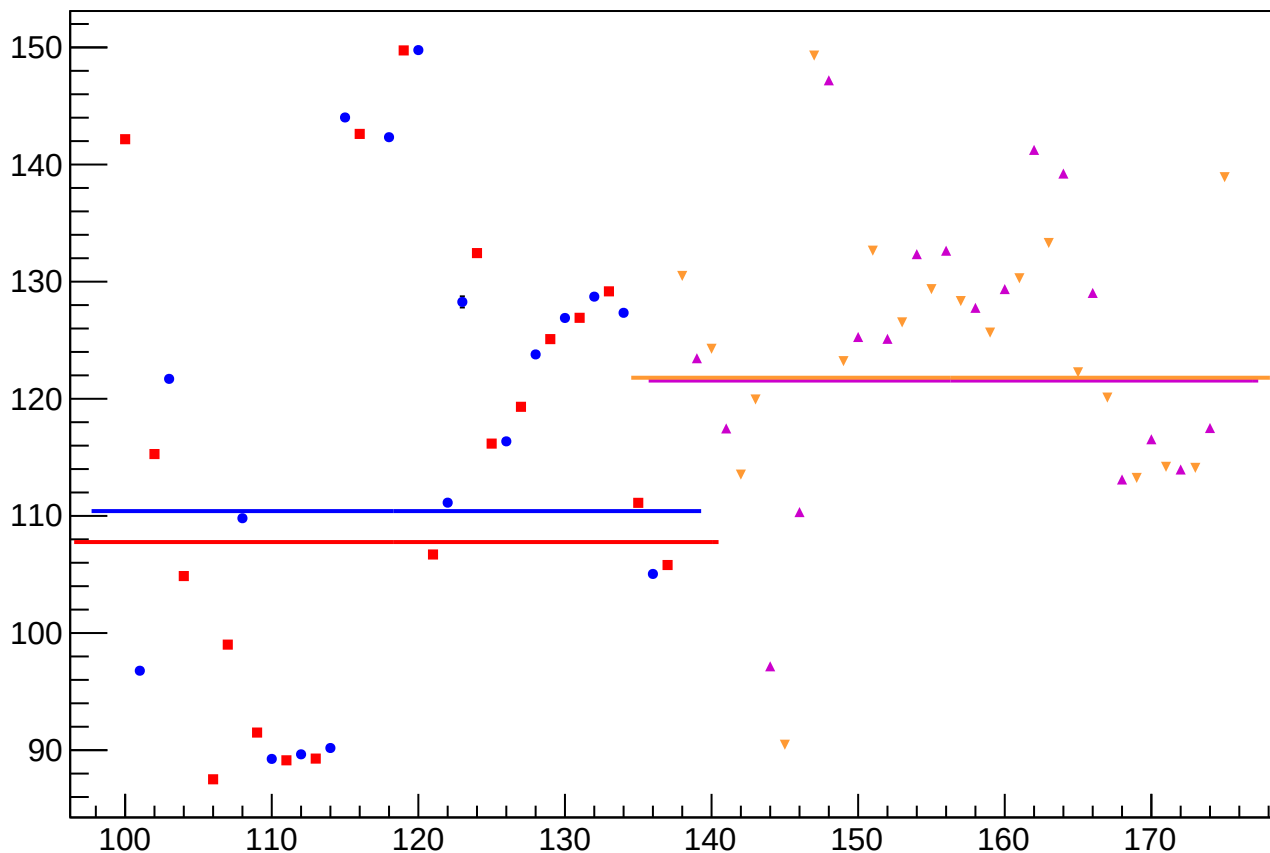
reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16
 Left Out: 265.498+/-31.585 χ^2/NDF : 18.8/19
 Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18
 Left In: 242.776+/-32.651 χ^2/NDF : 21.2/17

Left: 254.514+/-22.702 χ^2/NDF : 40.2/37
 Right: 135.317+/-29.814 χ^2/NDF : 29.2/35
 In: 187.672+/-26.073 χ^2/NDF : 46.0/34
 Out: 232.077+/-25.044 χ^2/NDF : 32.1/38
 All: 210.768+/-18.062 χ^2/NDF : 79.6/73

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: 121.798 $\pm$ 0.022 χ^2 /NDF: 339282.2/19

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

Left In: 121.556 $\pm$ 0.023 χ^2 /NDF: 281692.6/17

Left: 121.681 $\pm$ 0.016 χ^2 /NDF: 621031.6/37

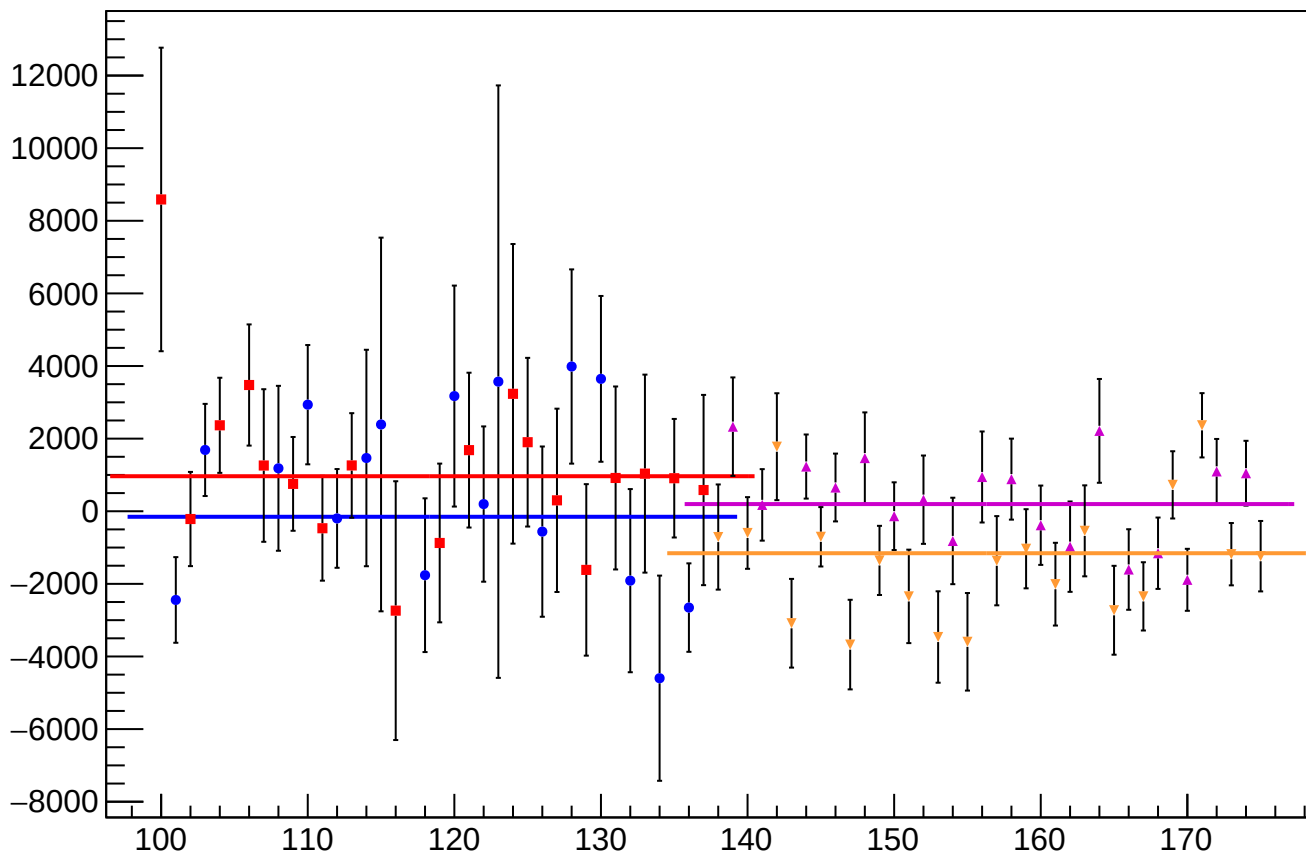
Right: 109.020 $\pm$ 0.021 χ^2 /NDF: 644787.1/35

In: 117.517 $\pm$ 0.018 χ^2 /NDF: 662549.1/34

Out: 116.589 $\pm$ 0.018 χ^2 /NDF: 830246.1/38

All: 117.034 $\pm$ 0.013 χ^2 /NDF: 1494115.1/73

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 $\pm$ 464.753 χ^2 /NDF: 24.7/16

Left Out: -1156.041 $\pm$ 240.772 χ^2 /NDF:43.0/19

Right Out: 964.716 $\pm$ 435.111 χ^2 /NDF: 12.3/18

Left In: 197.547 $\pm$ 247.631 χ^2 /NDF:22.3/17

Left: -498.251 $\pm$ 172.626 χ^2 /NDF: 80.6/37

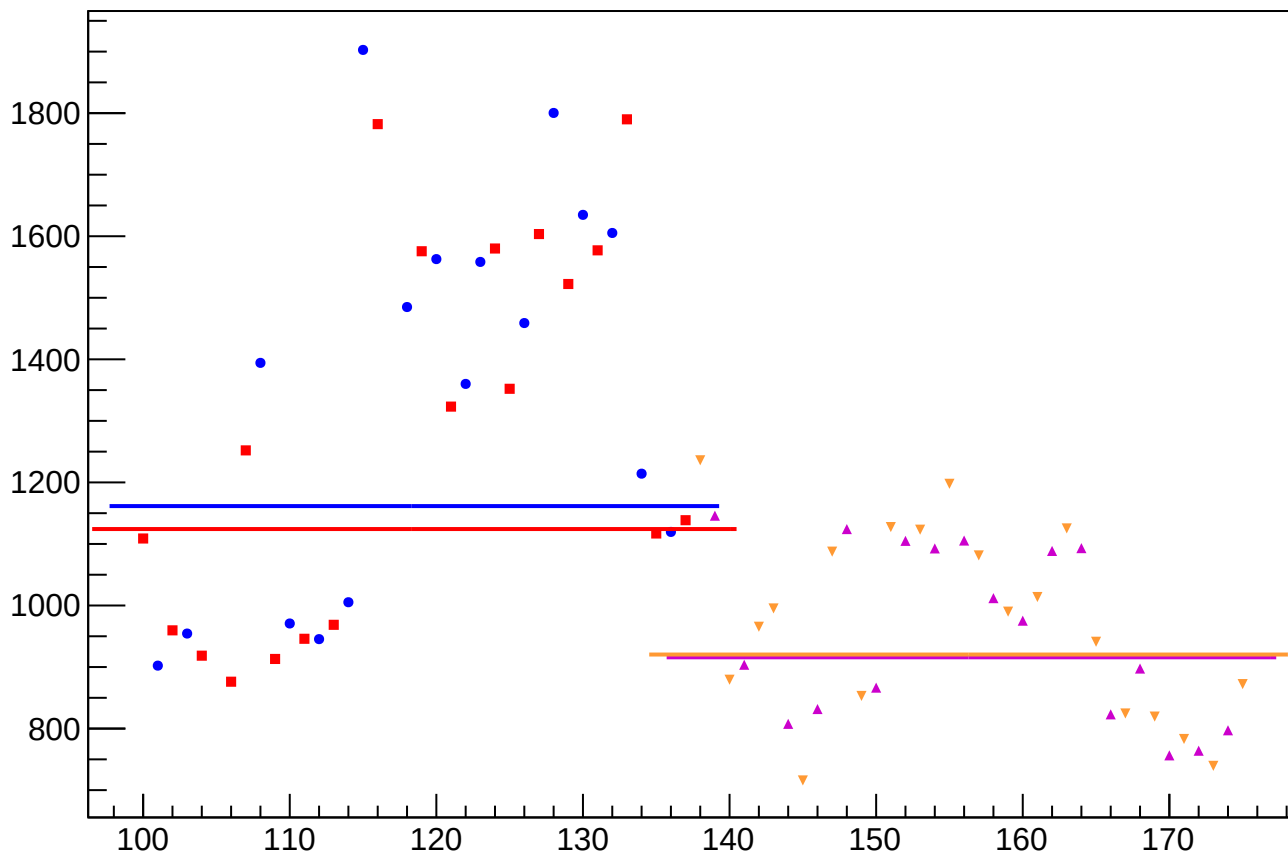
Right: 442.914 $\pm$ 317.632 χ^2 /NDF: 40.0/35

In: 120.165 $\pm$ 218.544 χ^2 /NDF:47.4/34

Out: -658.886 $\pm$ 210.669 χ^2 /NDF:73.4/38

All: -283.649 $\pm$ 151.673 χ^2 /NDF: 127.4/73

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: 920.330 $\pm$ 0.170 χ^2 /NDF: 764932.2/19

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

Left In: 915.808 $\pm$ 0.175 χ^2 /NDF: 570296.8/17

Left: 918.132 $\pm$ 0.122 χ^2 /NDF: 1335571.9/37

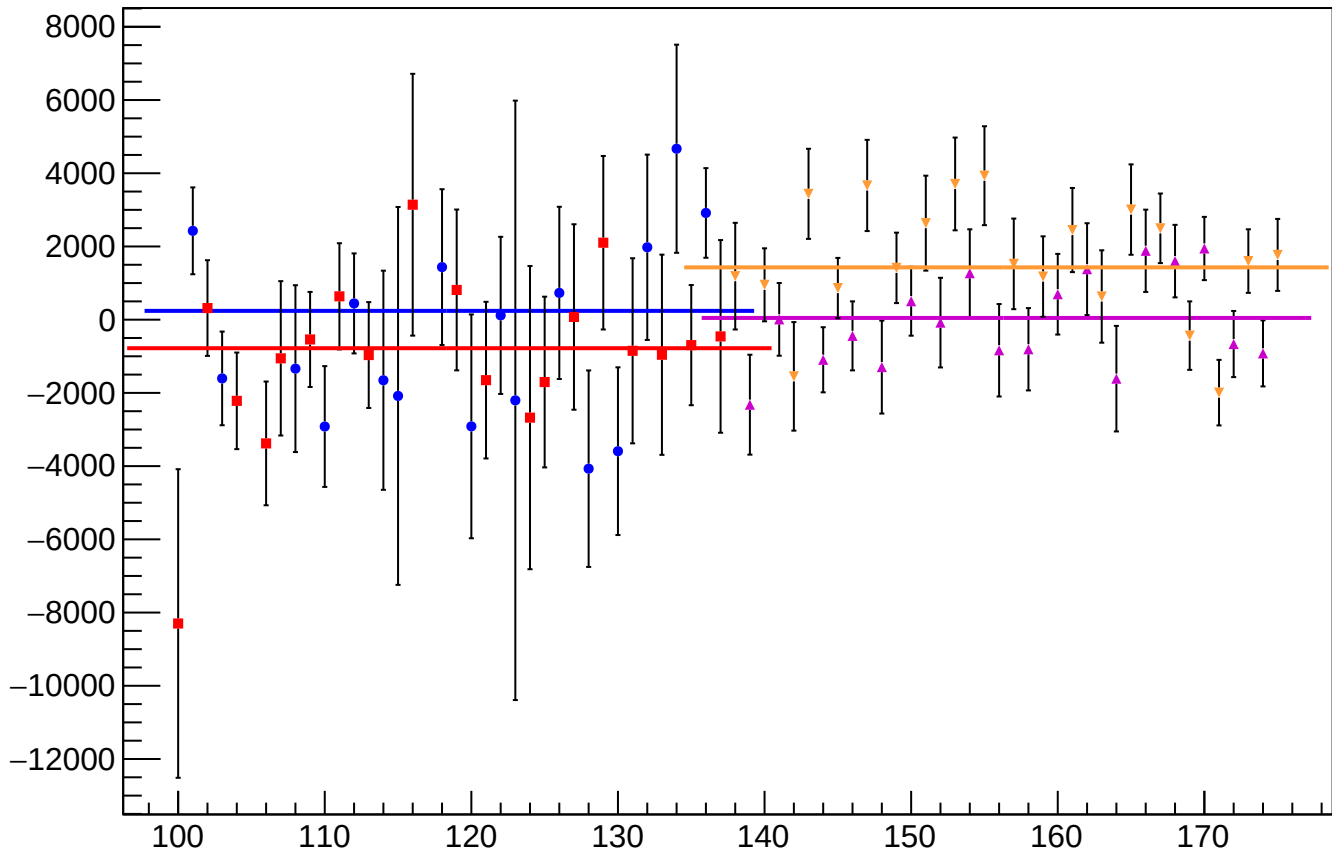
Right: 1141.655 $\pm$ 0.225 χ^2 /NDF: 1470560.5/35

In: 970.143 $\pm$ 0.155 χ^2 /NDF: 1701660.1/34

Out: 968.130 $\pm$ 0.149 χ^2 /NDF: 1868979.7/38

All: 969.099 $\pm$ 0.107 χ^2 /NDF: 3570727.7/73

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1429.173 $\pm$ 242.985 χ^2 /NDF:41.1/19

Right Out: -779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

Left In: 47.756 $\pm$ 249.899 χ^2 /NDF:22.9/17

Left: 757.840 $\pm$ 174.209 χ^2 /NDF: 79.7/37

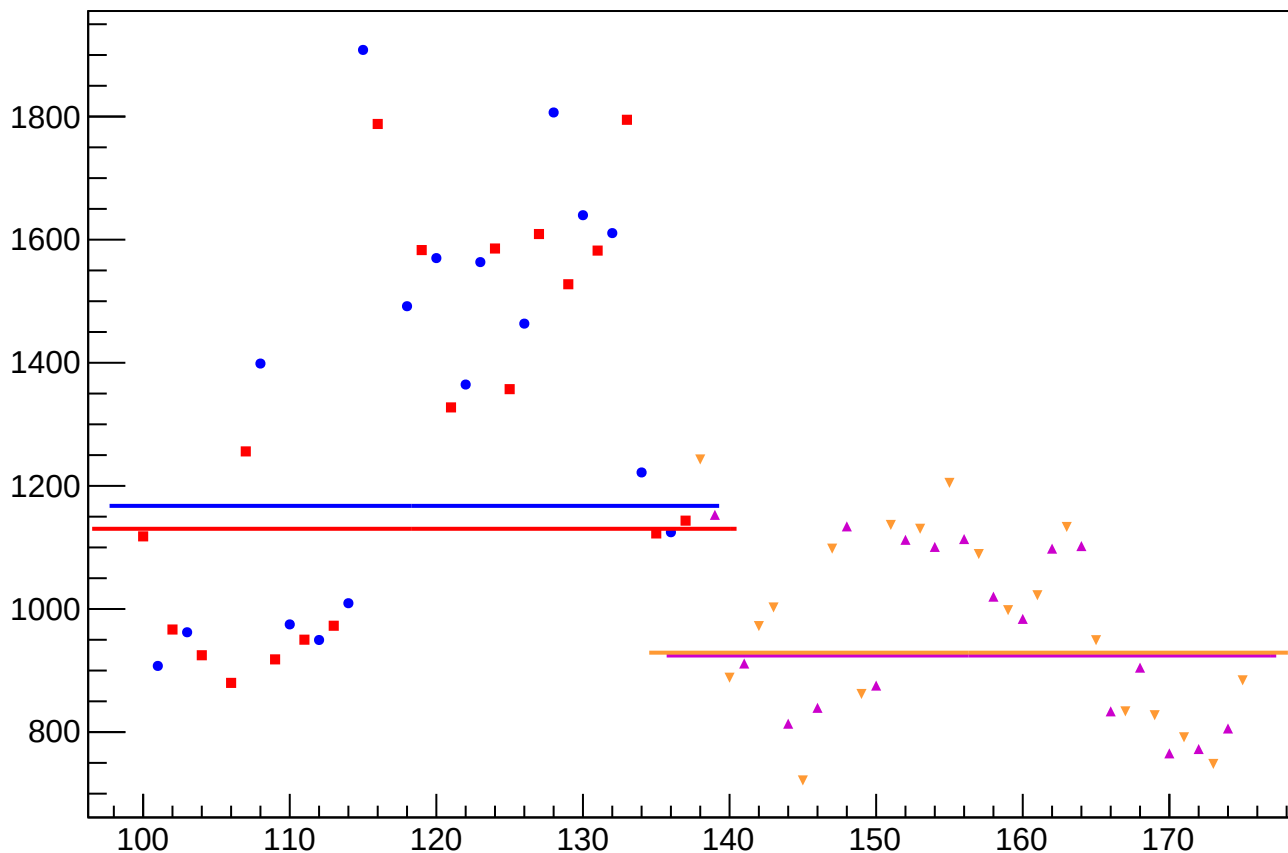
Right: -302.513 $\pm$ 319.286 χ^2 /NDF: 39.7/35

In: 90.709 $\pm$ 220.340 χ^2 /NDF:47.9/34

Out: 908.541 $\pm$ 212.420 χ^2 /NDF:72.9/38

All: 514.587 $\pm$ 152.927 χ^2 /NDF: 127.9/73

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 929.055+/-0.172 χ^2/NDF : 752711.9/19

Right Out: 1130.301+/-0.309 χ^2/NDF : 761503.6/18

Left In: 924.410+/-0.177 χ^2/NDF : 560651.5/17

Left: 926.798+/-0.123 χ^2/NDF : 1313718.6/37

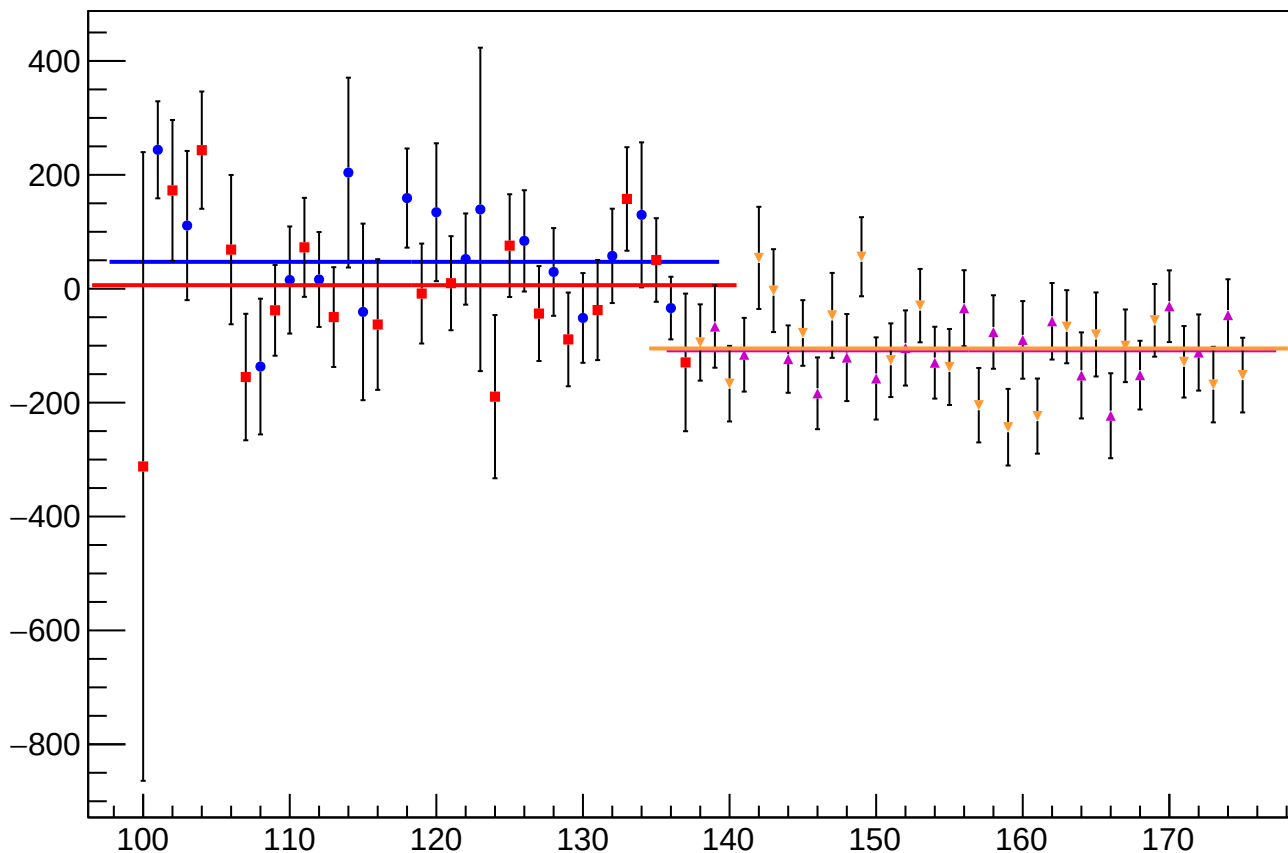
Right: 1147.705+/-0.226 χ^2/NDF : 1458761.3/35

In: 978.526+/-0.156 χ^2/NDF : 1672500.2/34

Out: 976.500+/-0.150 χ^2/NDF : 1837649.1/38

All: 977.476+/-0.108 χ^2/NDF : 3510236.9/73

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: -104.914 ± 14.955 $\chi^2/\text{NDF}: 26.3/19$

Right Out: 6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

Left In: -108.129 ± 15.675 $\chi^2/\text{NDF}: 10.3/17$

Left: -106.446 ± 10.820 $\chi^2/\text{NDF}: 36.6/37$

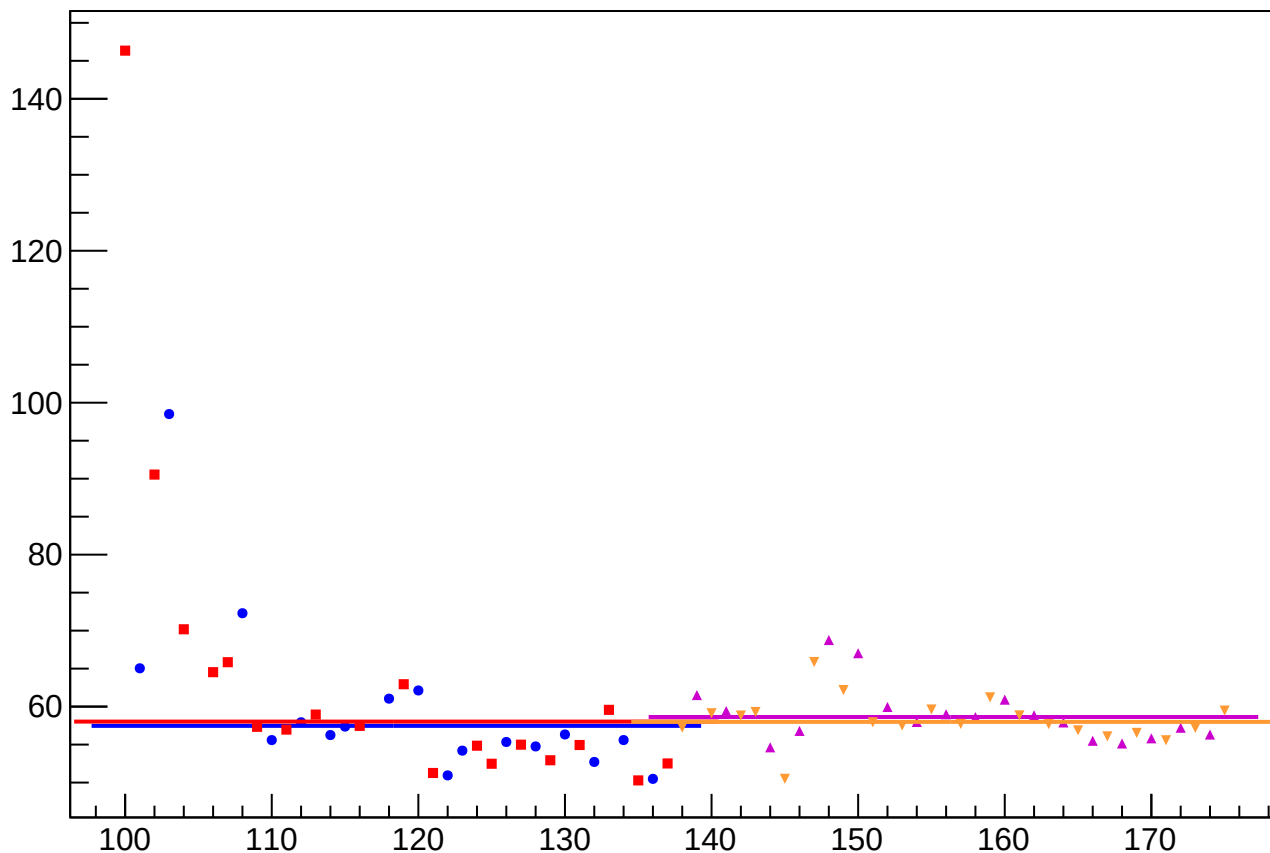
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -57.565 ± 12.873 $\chi^2/\text{NDF}: 58.4/34$

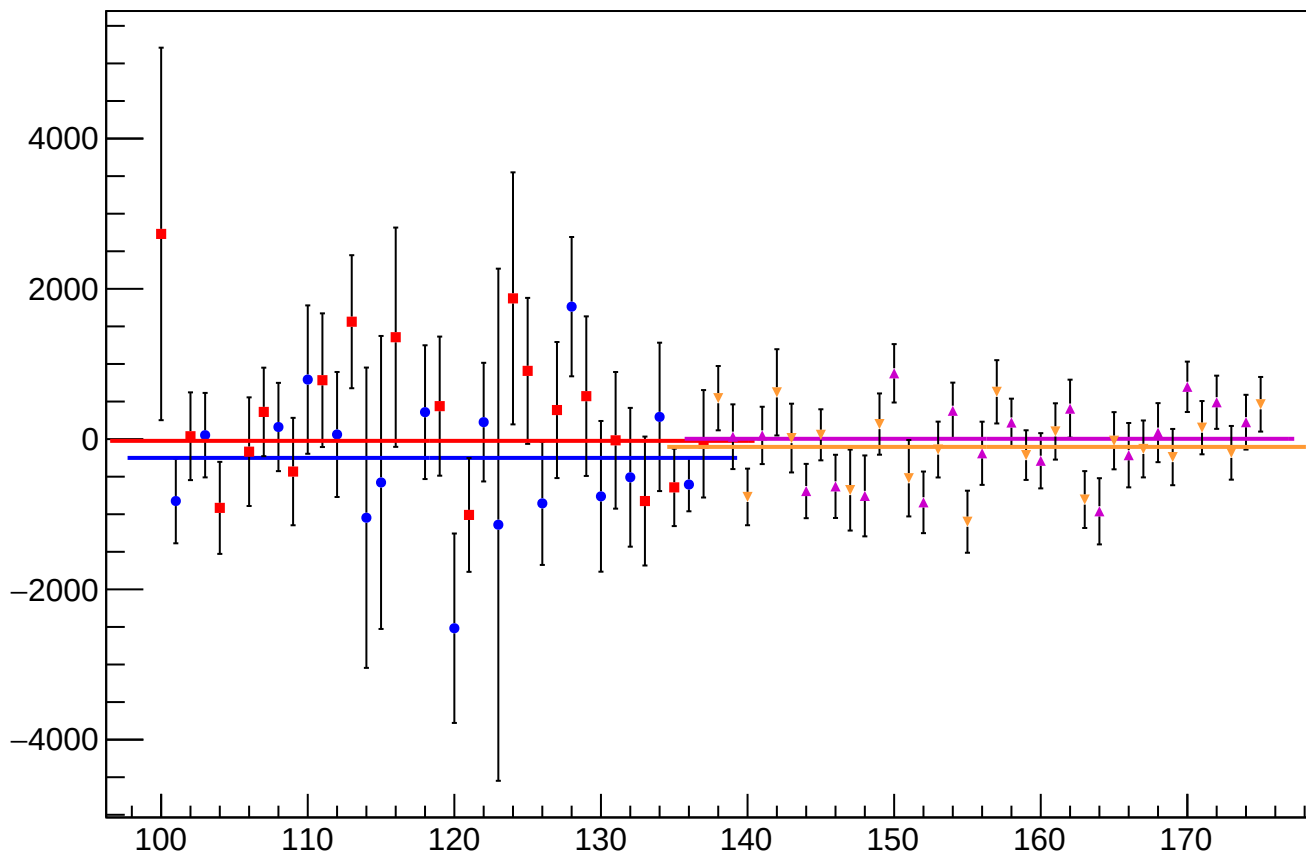
Out: -70.058 ± 12.391 $\chi^2/\text{NDF}: 63.9/38$

All: -64.050 ± 8.927 $\chi^2/\text{NDF}: 122.8/73$

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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: -103.829+/-88.158 χ^2/NDF : 25.6/19

Right Out: -23.314+/-181.834 χ^2/NDF : 16.1/18

Left In: 3.951+/-91.330 χ^2/NDF : 32.3/17

Left: -51.843+/-63.429 χ^2/NDF : 58.5/37

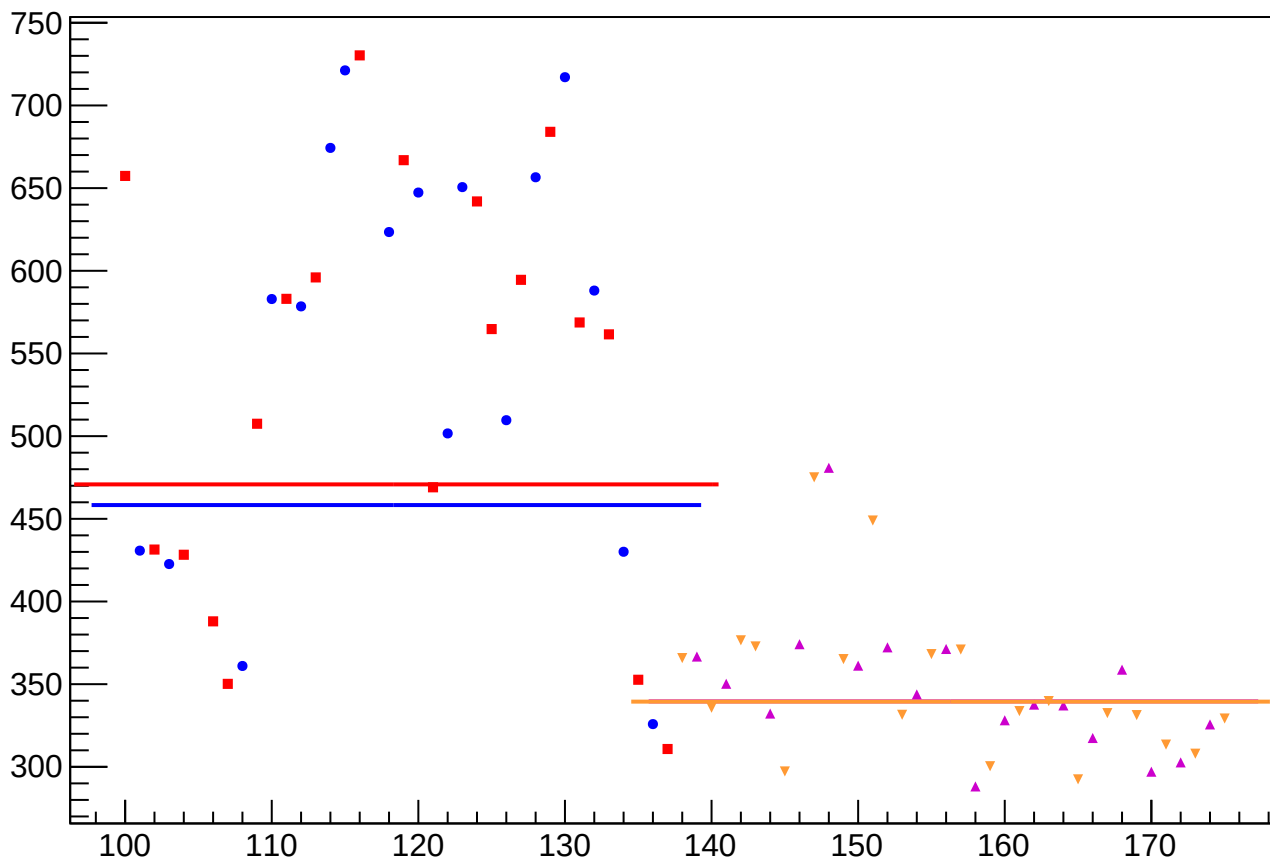
Right: -135.327+/-129.367 χ^2/NDF : 31.1/35

In: -46.235+/-81.815 χ^2/NDF : 48.1/34

Out: -88.506+/-79.327 χ^2/NDF : 41.8/38

All: -68.023+/-56.952 χ^2/NDF : 90.0/73

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324 $\pm$ 0.130 χ^2/NDF : 877201.7/16

Left Out: 339.446 $\pm$ 0.062 χ^2/NDF : 395333.7/19

Right Out: 470.827 $\pm$ 0.129 χ^2/NDF : 778635.2/18

Left In: 339.586 $\pm$ 0.065 χ^2/NDF : 313452.3/17

Left: 339.513 $\pm$ 0.045 χ^2/NDF : 708788.4/37

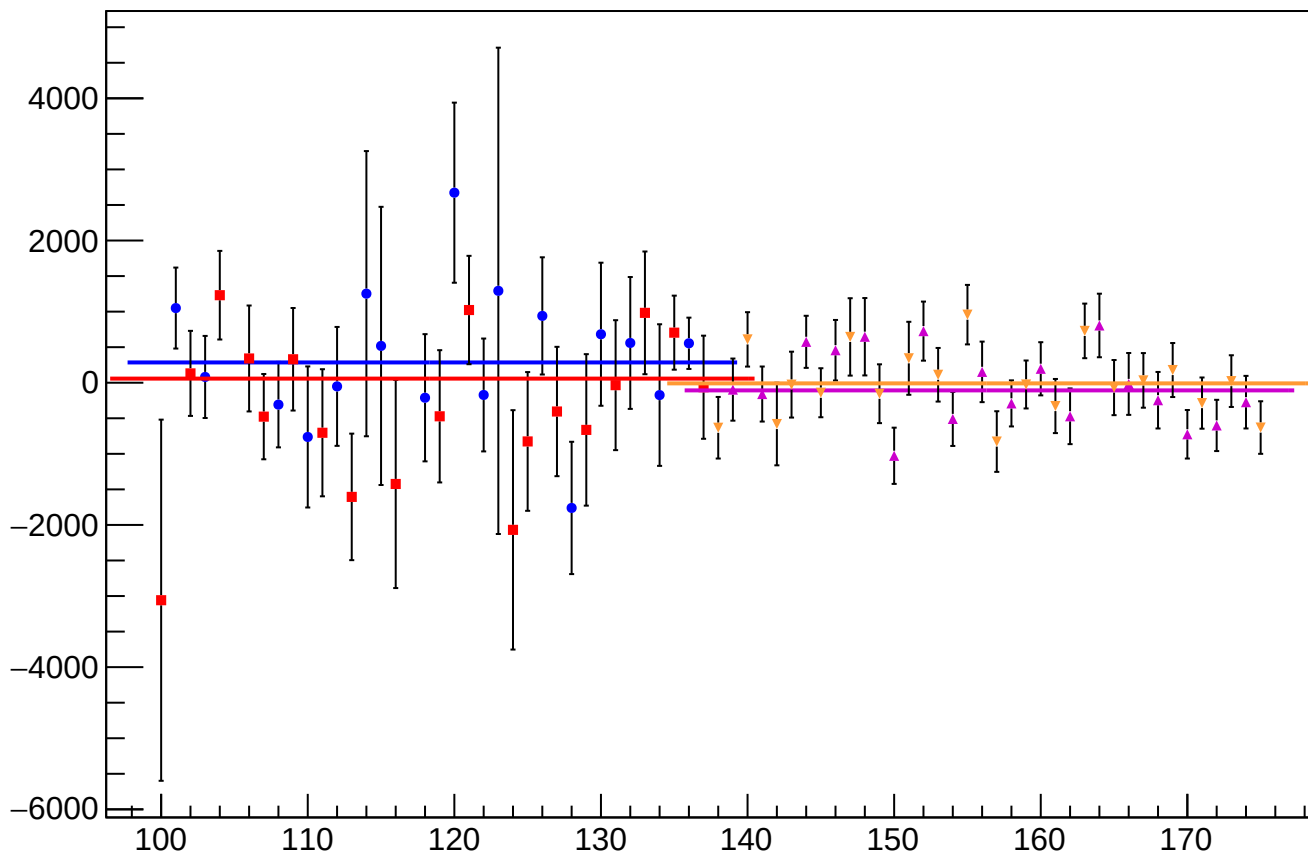
Right: 464.653 $\pm$ 0.091 χ^2/NDF : 1660506.8/35

In: 363.038 $\pm$ 0.058 χ^2/NDF : 1858352.1/34

Out: 364.451 $\pm$ 0.056 χ^2/NDF : 2019362.2/38

All: 363.766 $\pm$ 0.040 χ^2/NDF : 3878021.5/73

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: -9.068 ± 89.484 $\chi^2/\text{NDF}: 25.1/19$

Right Out: 58.001 ± 184.074 $\chi^2/\text{NDF}: 19.2/18$

Left In: -107.728 ± 92.722 $\chi^2/\text{NDF}: 29.6/17$

Left: -56.645 ± 64.389 $\chi^2/\text{NDF}: 55.3/37$

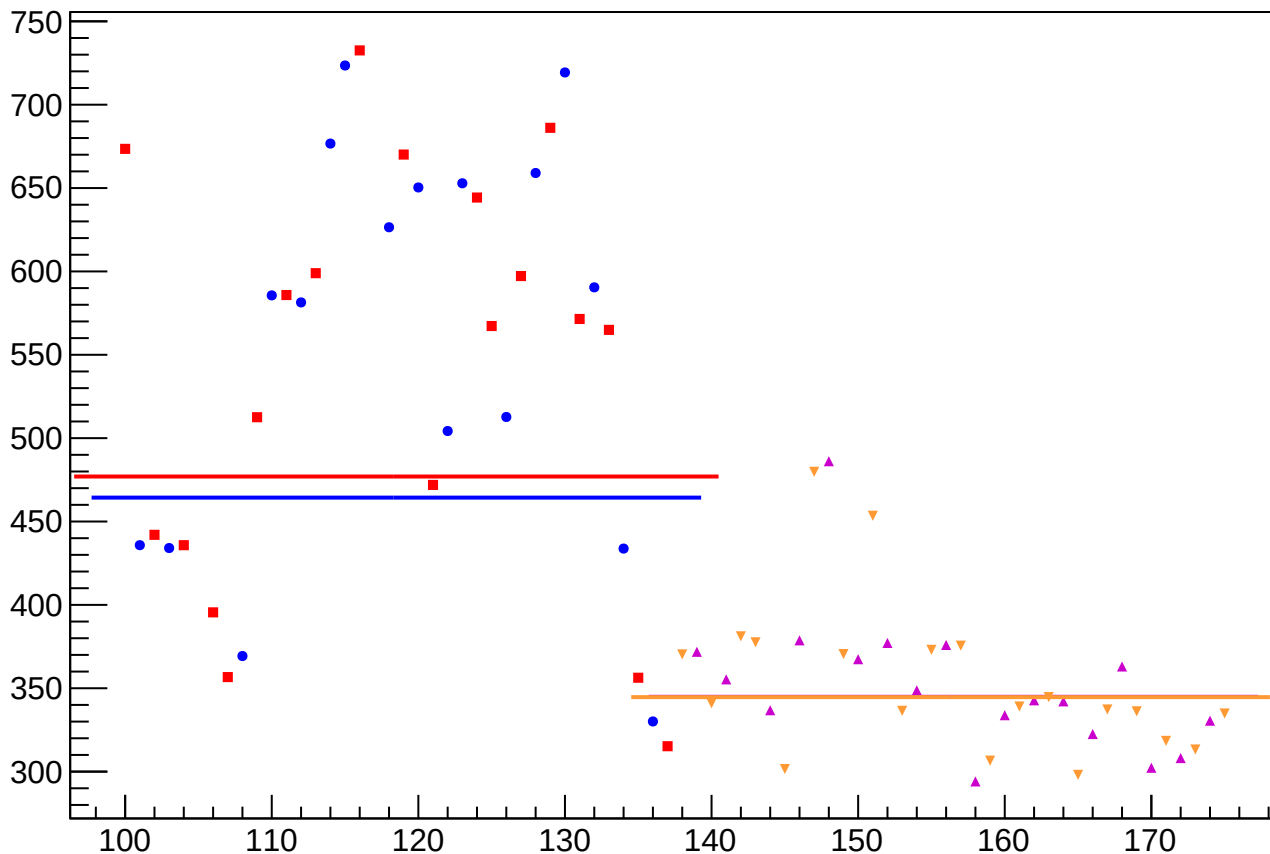
Right: 170.332 ± 130.927 $\chi^2/\text{NDF}: 35.1/35$

In: -29.664 ± 83.006 $\chi^2/\text{NDF}: 48.4/34$

Out: 3.752 ± 80.479 $\chi^2/\text{NDF}: 44.4/38$

All: -12.439 ± 57.780 $\chi^2/\text{NDF}: 92.8/73$

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 344.669+/-0.063 χ^2/NDF : 381583.5/19

Right Out: 476.989+/-0.130 χ^2/NDF : 749331.1/18

Left In: 344.866+/-0.066 χ^2/NDF : 302336.6/17

Left: 344.764+/-0.046 χ^2/NDF : 683924.8/37

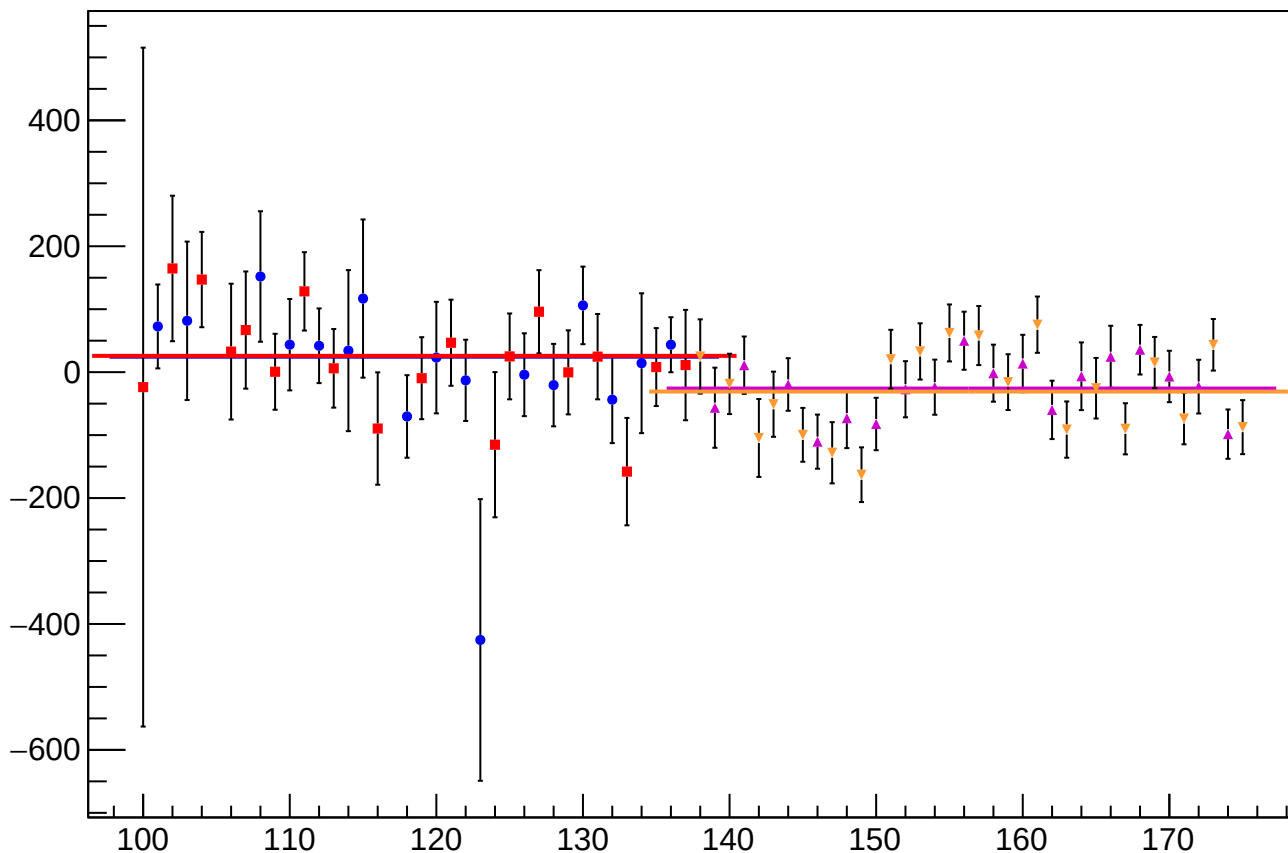
Right: 470.740+/-0.093 χ^2/NDF : 1599897.5/35

In: 368.593+/-0.059 χ^2/NDF : 1807692.1/34

Out: 369.962+/-0.057 χ^2/NDF : 1966830.6/38

All: 369.299+/-0.041 χ^2/NDF : 3774803.1/73

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -30.823 $\pm$ 10.182 χ^2 /NDF:46.5/19

Right Out: 25.884 $\pm$ 17.386 χ^2 /NDF: 16.8/18

Left In: -26.034 $\pm$ 10.545 χ^2 /NDF:19.2/17

Left: -28.512 $\pm$ 7.325 χ^2 /NDF: 65.8/37

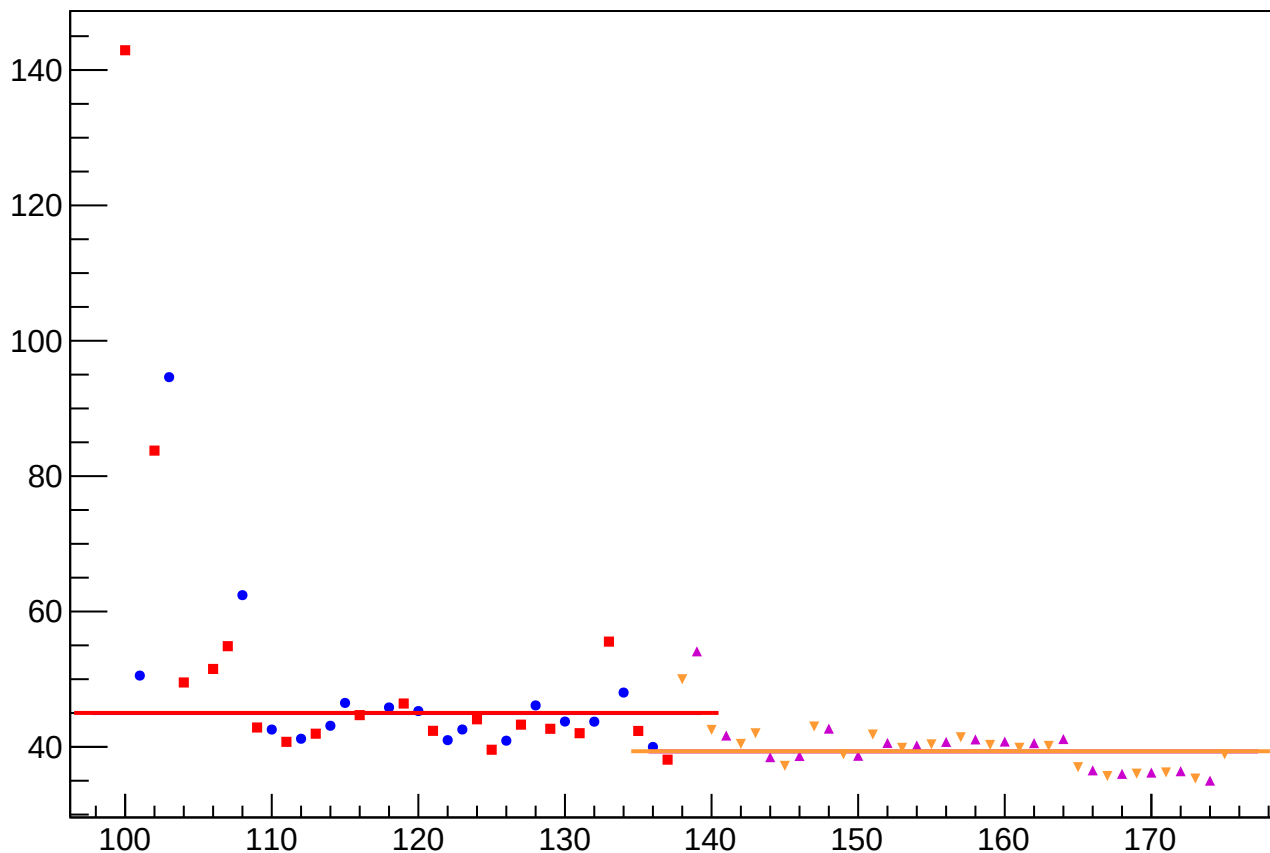
Right: 25.251 $\pm$ 12.451 χ^2 /NDF: 29.8/35

In: -12.928 $\pm$ 9.077 χ^2 /NDF:38.1/34

Out: -16.341 $\pm$ 8.786 χ^2 /NDF:71.3/38

All: -14.690 $\pm$ 6.313 χ^2 /NDF: 109.5/73

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: 39.355 $\pm$ 0.007 χ^2 /NDF: 174249.9/19

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

Left In: 39.330 $\pm$ 0.007 χ^2 /NDF: 204280.4/17

Left: 39.343 $\pm$ 0.005 χ^2 /NDF: 378536.2/37

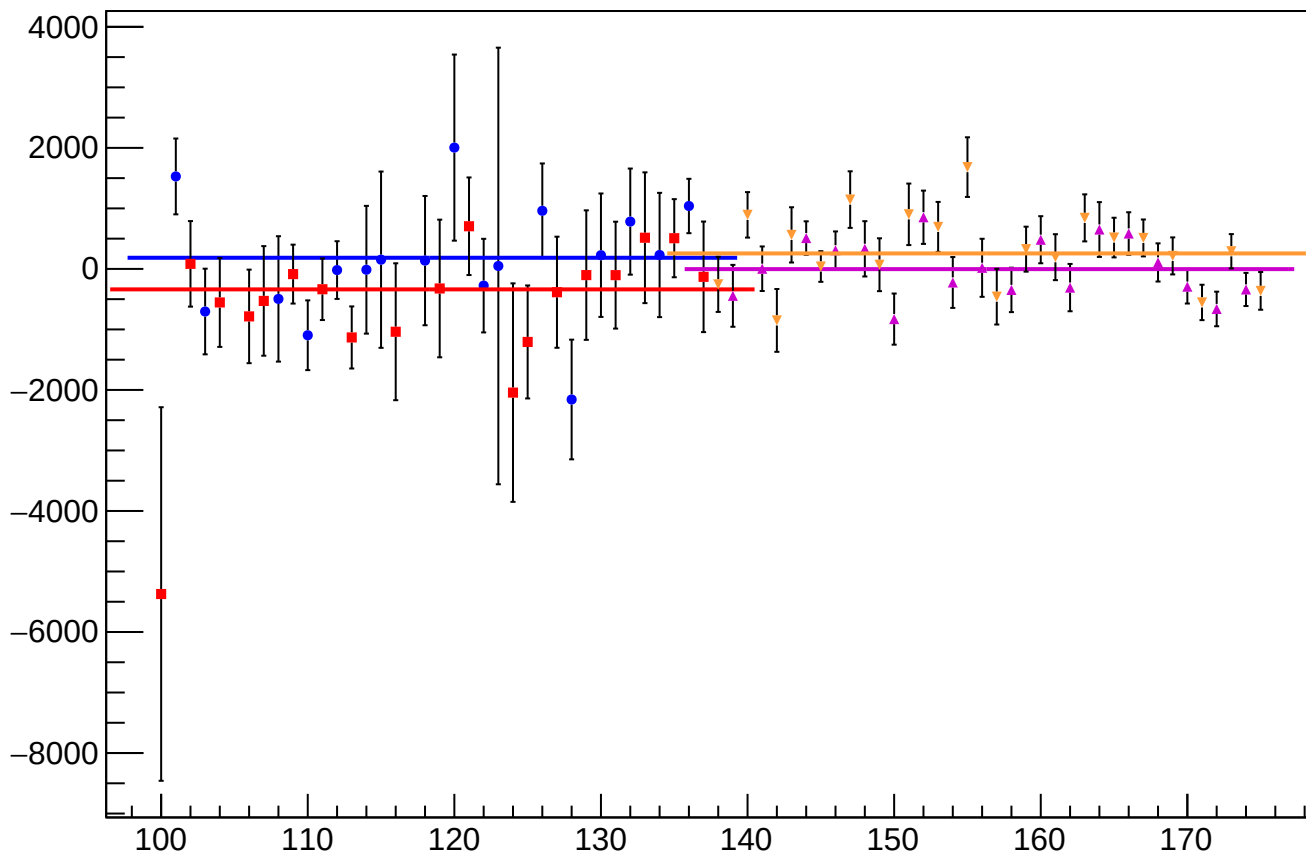
Right: 45.009 $\pm$ 0.009 χ^2 /NDF: 853862.6/35

In: 40.798 $\pm$ 0.006 χ^2 /NDF: 792427.3/34

Out: 40.801 $\pm$ 0.006 χ^2 /NDF: 747691.3/38

All: 40.800 $\pm$ 0.004 χ^2 /NDF: 1540118.8/73

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: 255.890 $\pm$ 81.547 χ^2 /NDF:42.5/19

Right Out: -338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

Left In: -3.533 $\pm$ 83.865 χ^2 /NDF:29.6/17

Left: 129.813 $\pm$ 58.465 χ^2 /NDF: 77.0/37

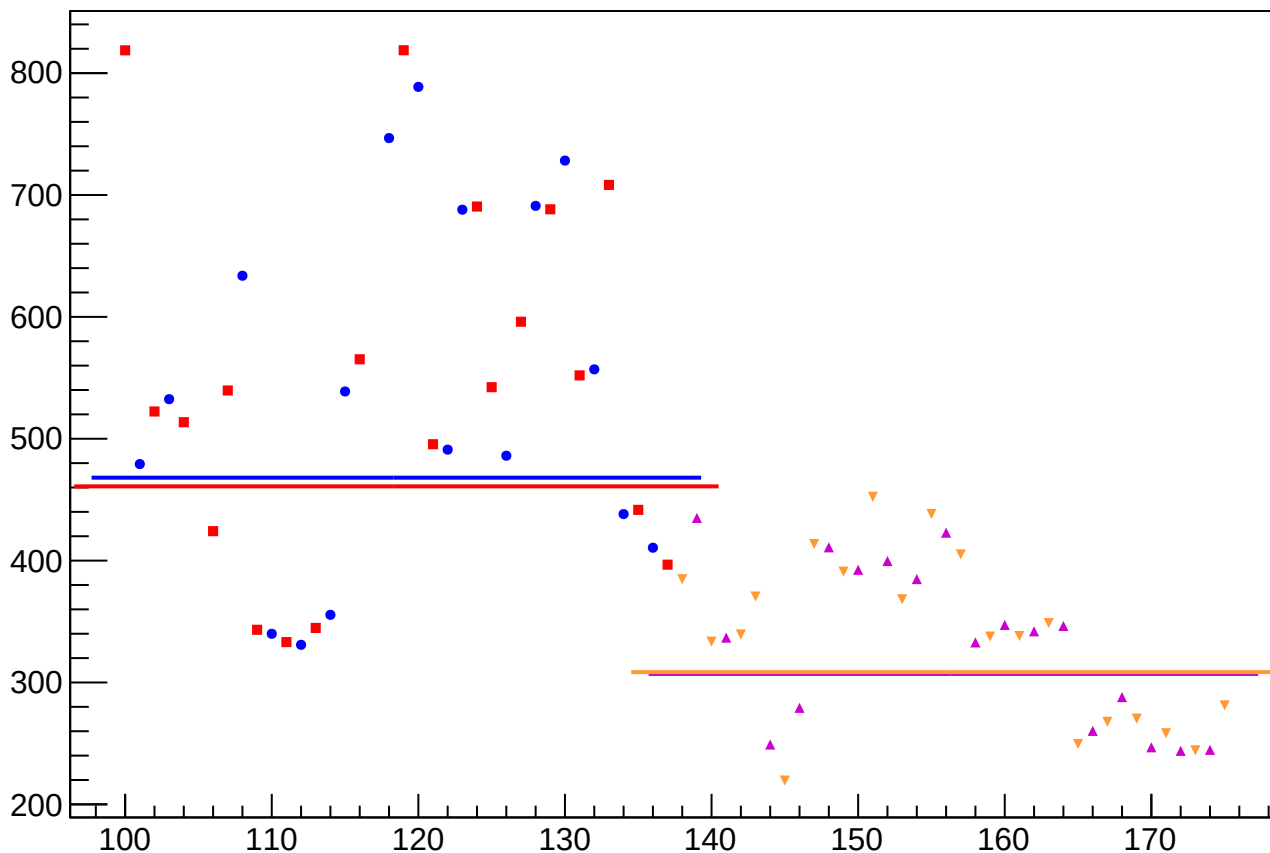
Right: -90.096 $\pm$ 129.965 χ^2 /NDF: 40.7/35

In: 27.469 $\pm$ 76.628 χ^2 /NDF:54.6/34

Out: 154.119 $\pm$ 74.236 χ^2 /NDF:64.1/38

All: 92.801 $\pm$ 53.318 χ^2 /NDF: 120.1/73

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 308.515+/-0.058 χ^2/NDF : 1311180.9/19

Right Out: 460.939+/-0.127 χ^2/NDF : 955028.5/18

Left In: 306.988+/-0.059 χ^2/NDF : 1100342.8/17

Left: 307.773+/-0.041 χ^2/NDF : 2411864.7/37

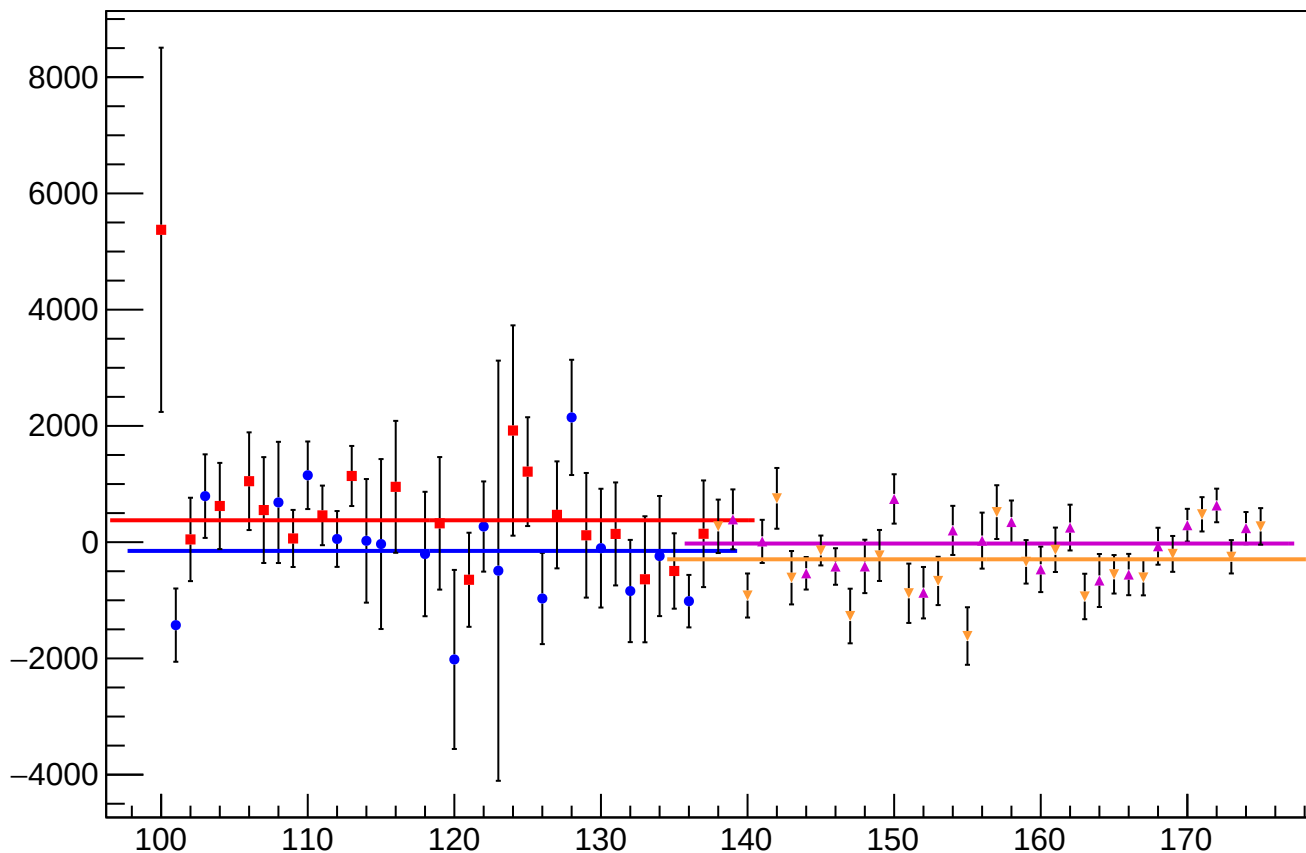
Right: 464.328+/-0.092 χ^2/NDF : 1836849.7/35

In: 333.591+/-0.054 χ^2/NDF : 3199230.9/34

Out: 334.621+/-0.052 χ^2/NDF : 3462939.6/38

All: 334.122+/-0.038 χ^2/NDF : 6662356.9/73

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305 ± 189.729 $\chi^2/\text{NDF}: 24.2/16$

Left Out: -294.758 ± 82.256 $\chi^2/\text{NDF}: 40.5/19$

Right Out: 376.554 ± 181.258 $\chi^2/\text{NDF}: 12.4/18$

Left In: -23.610 ± 84.599 $\chi^2/\text{NDF}: 27.8/17$

Left: -162.989 ± 58.975 $\chi^2/\text{NDF}: 73.6/37$

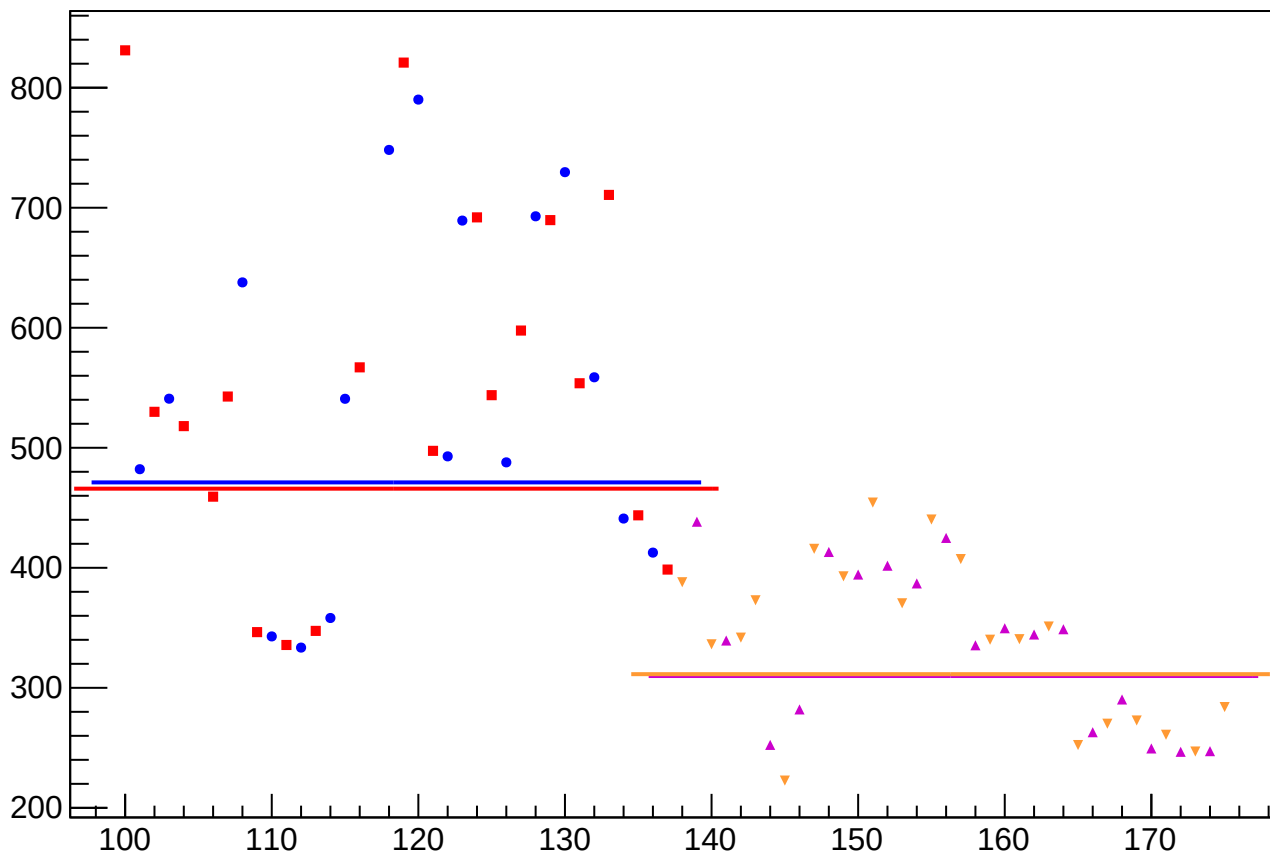
Right: 125.150 ± 131.061 $\chi^2/\text{NDF}: 40.7/35$

In: -44.622 ± 77.266 $\chi^2/\text{NDF}: 52.4/34$

Out: -180.116 ± 74.904 $\chi^2/\text{NDF}: 64.2/38$

All: -114.471 ± 53.781 $\chi^2/\text{NDF}: 118.3/73$

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 311.379+/-0.058 χ^2/NDF :1281065.0/19

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

Left In: 309.836+/-0.060 χ^2/NDF :1076458.8/17

Left: 310.629+/-0.042 χ^2/NDF : 2357865.8/37

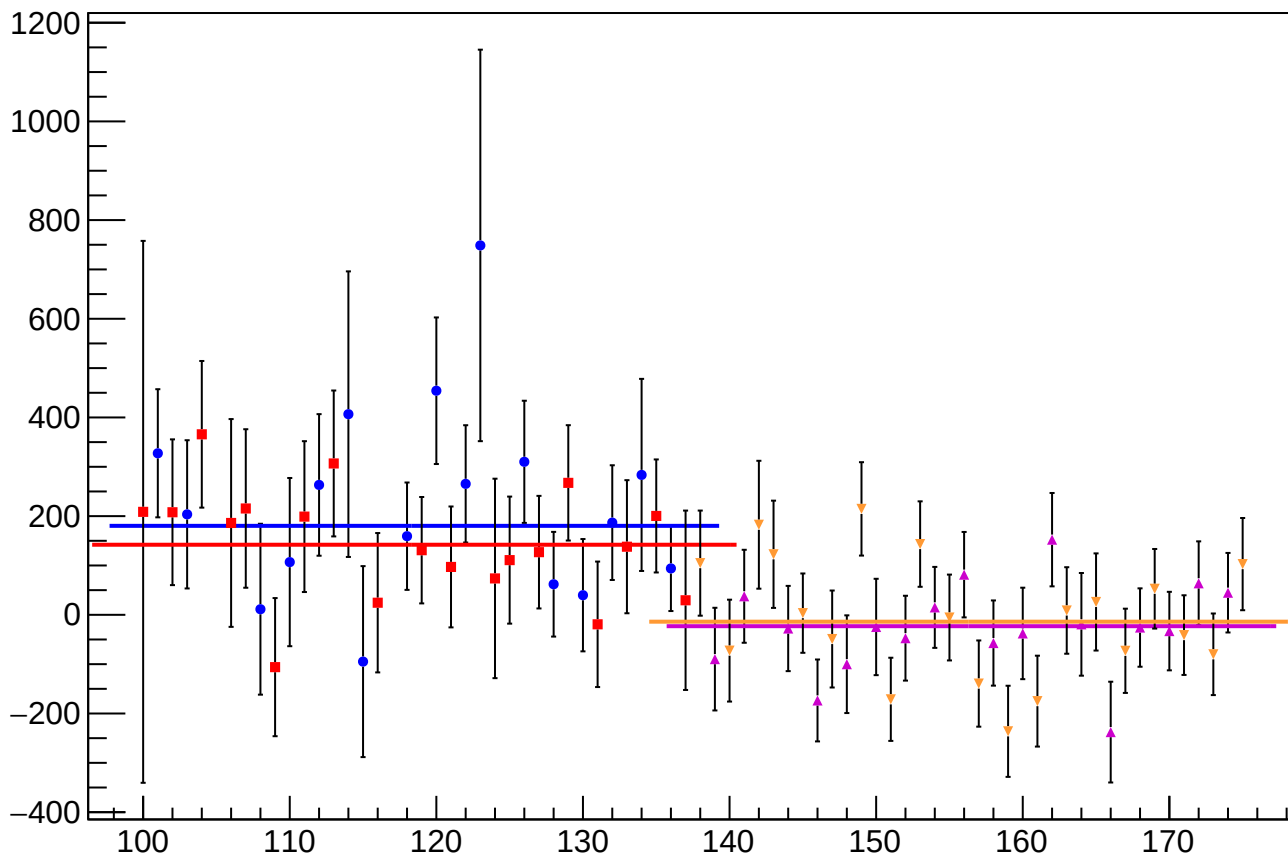
Right: 468.427+/-0.093 χ^2/NDF : 1813145.9/35

In: 336.590+/-0.055 χ^2/NDF :3154399.6/34

Out: 337.773+/-0.053 χ^2/NDF :3427413.9/38

All: 337.200+/-0.038 χ^2/NDF : 6582055.1/73

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: -13.901 $\pm$ 20.382 χ^2 /NDF:32.9/19

Right Out: 142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

Left In: -23.048 $\pm$ 21.000 χ^2 /NDF:16.3/17

Left: -18.338 $\pm$ 14.626 χ^2 /NDF: 49.2/37

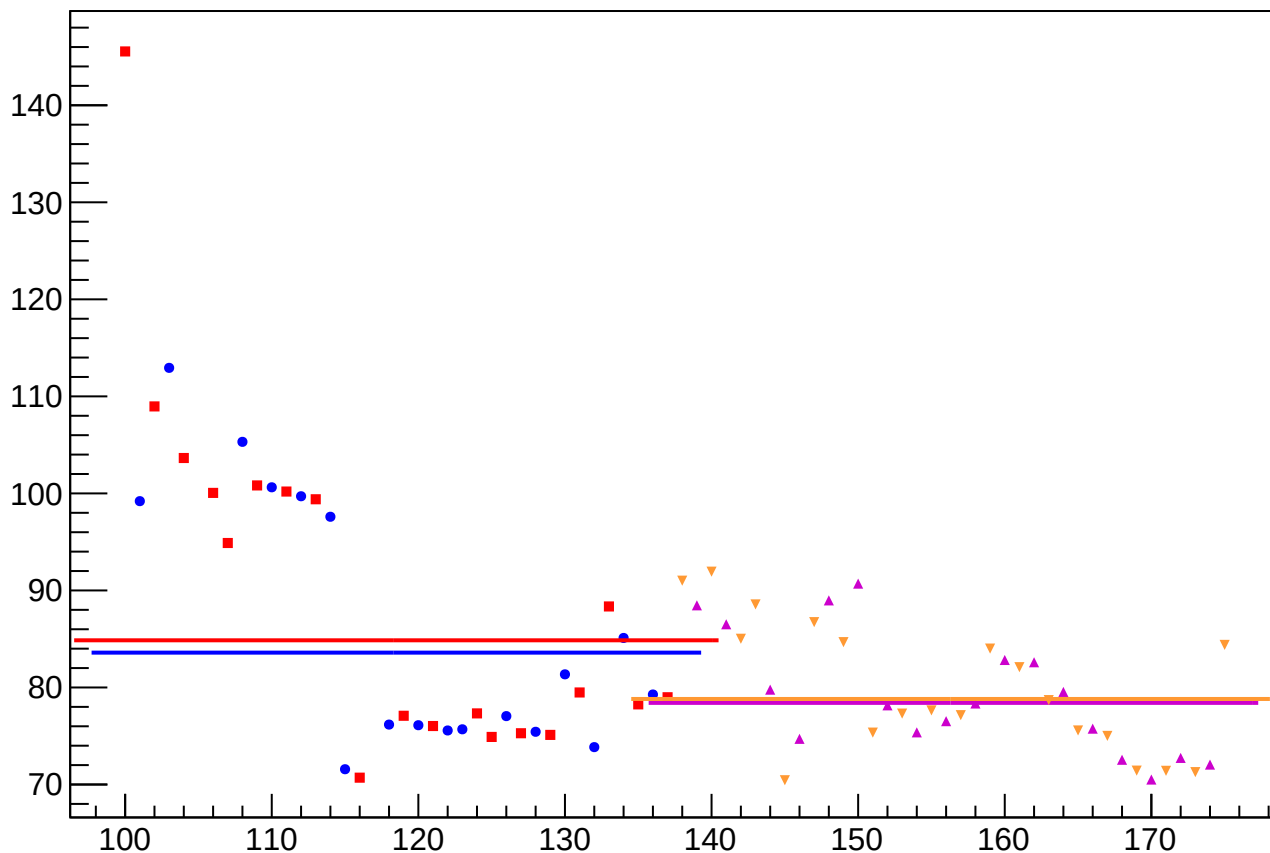
Right: 160.930 $\pm$ 23.017 χ^2 /NDF: 28.9/35

In: 36.161 $\pm$ 17.681 χ^2 /NDF:60.1/34

Out: 30.436 $\pm$ 17.243 χ^2 /NDF:61.2/38

All: 33.227 $\pm$ 12.345 χ^2 /NDF: 121.4/73

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 78.815 $\pm$ 0.014 χ^2 /NDF:198948.2/19

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

Left In: 78.412 $\pm$ 0.015 χ^2 /NDF:158106.4/17

Left: 78.620 $\pm$ 0.010 χ^2 /NDF: 357433.7/37

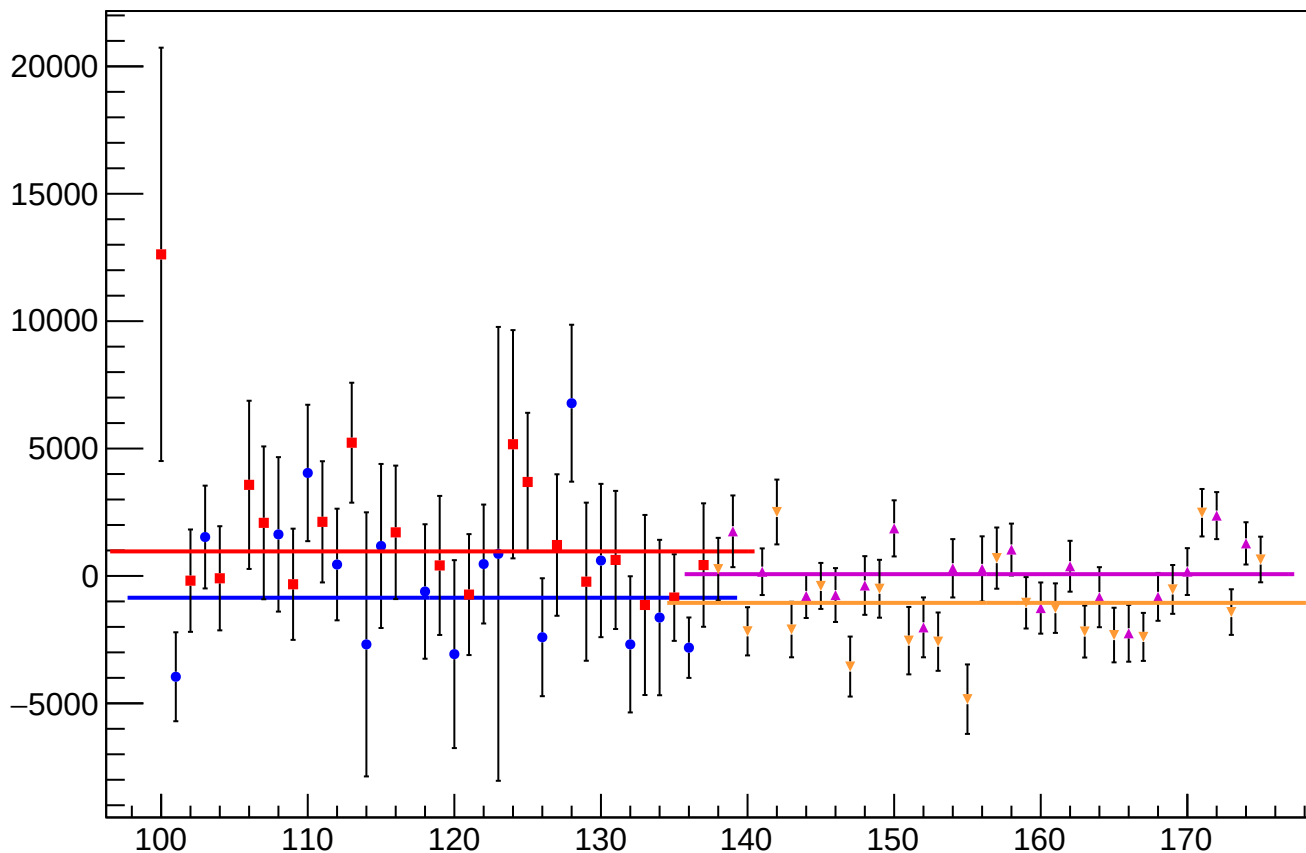
Right: 84.234 $\pm$ 0.016 χ^2 /NDF: 548050.9/35

In: 79.920 $\pm$ 0.013 χ^2 /NDF:449430.4/34

Out: 80.534 $\pm$ 0.012 χ^2 /NDF:539583.3/38

All: 80.235 $\pm$ 0.009 χ^2 /NDF: 990250.9/73

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -1057.132+/-234.015 χ^2/NDF : 52.6/19

Right Out: 962.932+/-589.071 χ^2/NDF : 11.5/18

Left In: 69.755+/-242.326 χ^2/NDF : 26.0/17

Left: -513.345+/-168.335 χ^2/NDF : 89.8/37

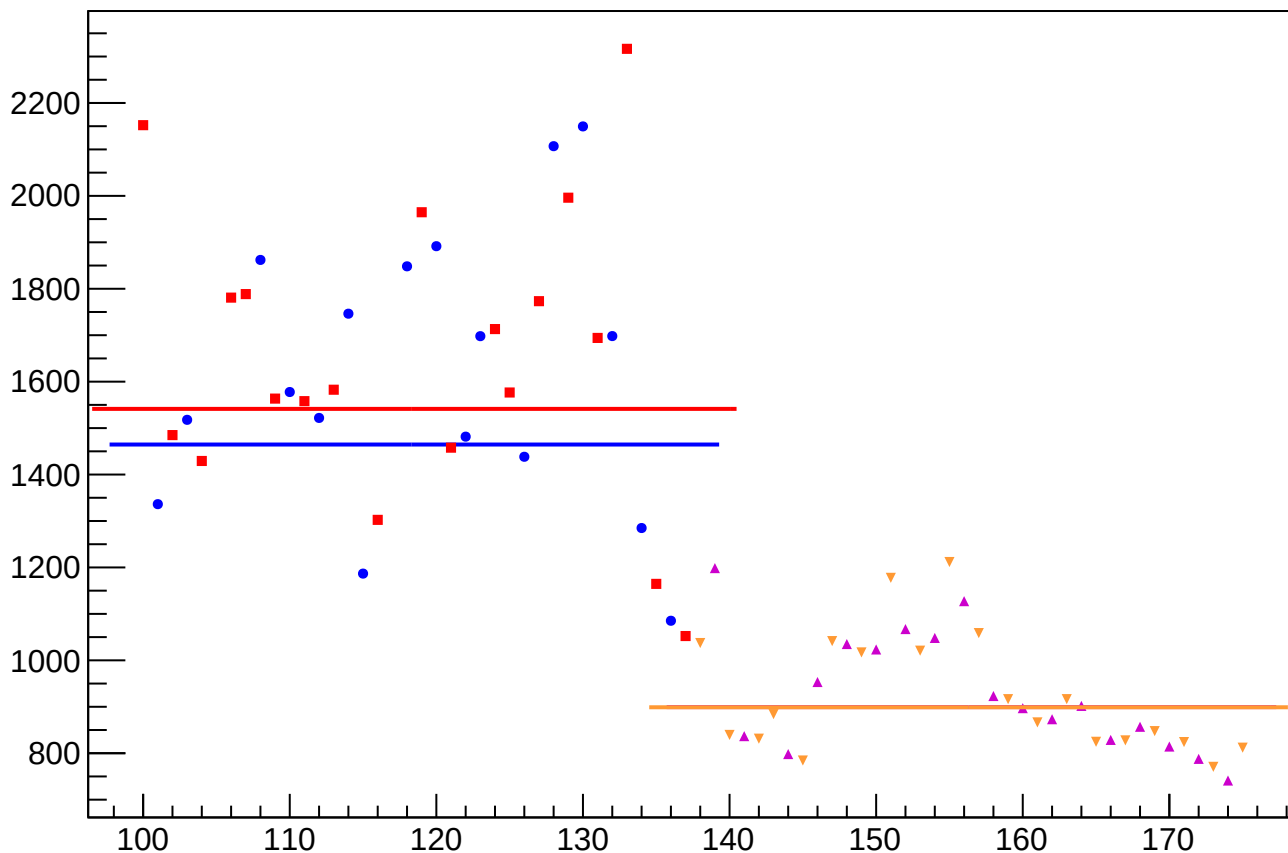
Right: 44.847+/-414.477 χ^2/NDF : 36.6/35

In: -66.407+/-223.783 χ^2/NDF : 48.4/34

Out: -781.787+/-217.482 χ^2/NDF : 74.3/38

All: -434.309+/-155.963 χ^2/NDF : 128.0/73

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 $\pm$ 0.412 χ^2/NDF : 560863.4/16

Left Out: 898.936 $\pm$ 0.165 χ^2/NDF : 477397.2/19

Right Out: 1541.388 $\pm$ 0.417 χ^2/NDF : 453710.5/18

Left In: 899.329 $\pm$ 0.171 χ^2/NDF : 457090.7/17

Left: 899.126 $\pm$ 0.119 χ^2/NDF : 934490.6/37

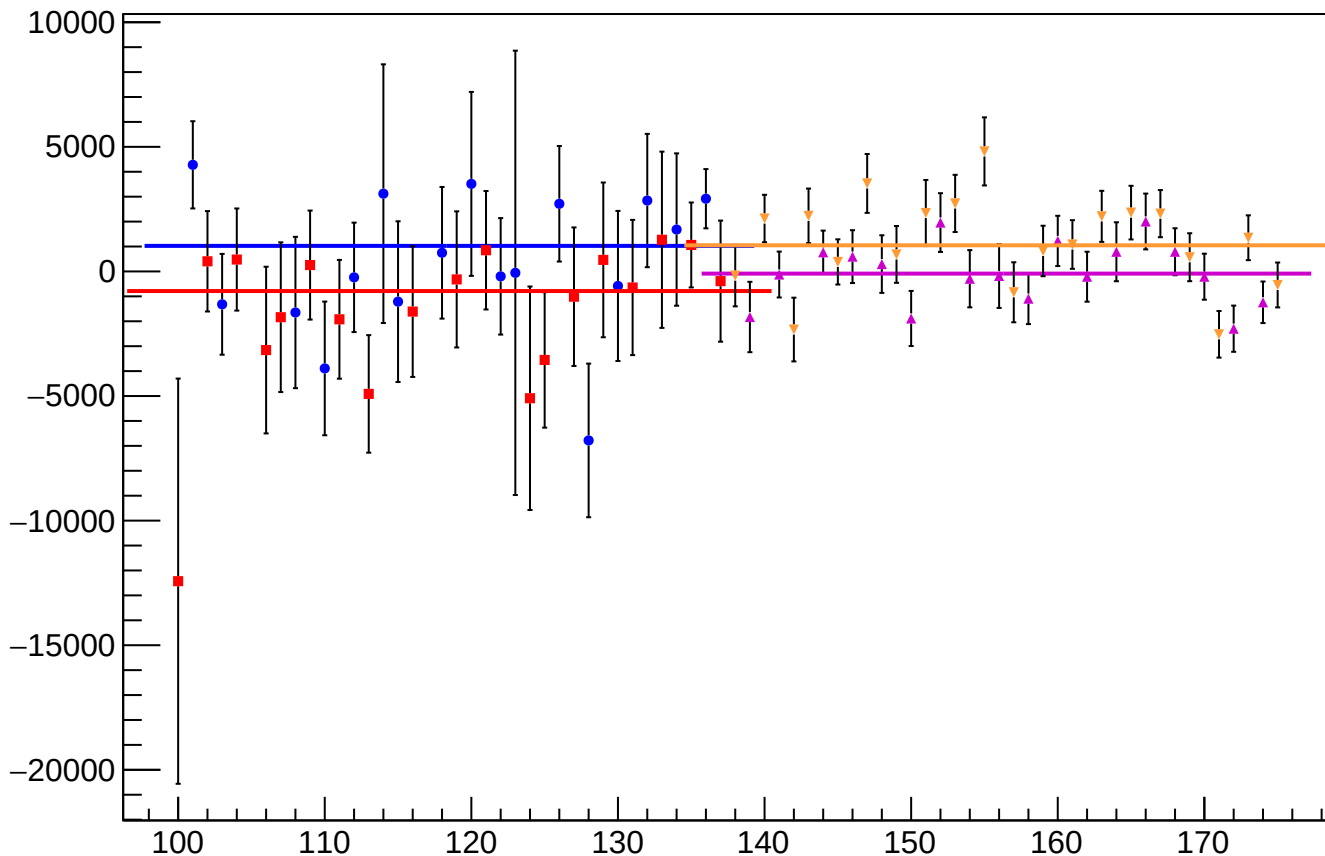
Right: 1502.634 $\pm$ 0.293 χ^2/NDF : 1031717.7/35

In: 982.537 $\pm$ 0.158 χ^2/NDF : 2620021.1/34

Out: 986.506 $\pm$ 0.154 χ^2/NDF : 2985750.7/38

All: 984.578 $\pm$ 0.110 χ^2/NDF : 5606095.3/73

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: 1048.611 $\pm$ 234.984 χ^2 /NDF: 51.3/19

Right Out: -787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

Left In: -87.135 $\pm$ 243.302 χ^2 /NDF: 23.9/17

Left: 500.484 $\pm$ 169.023 χ^2 /NDF: 86.5/37

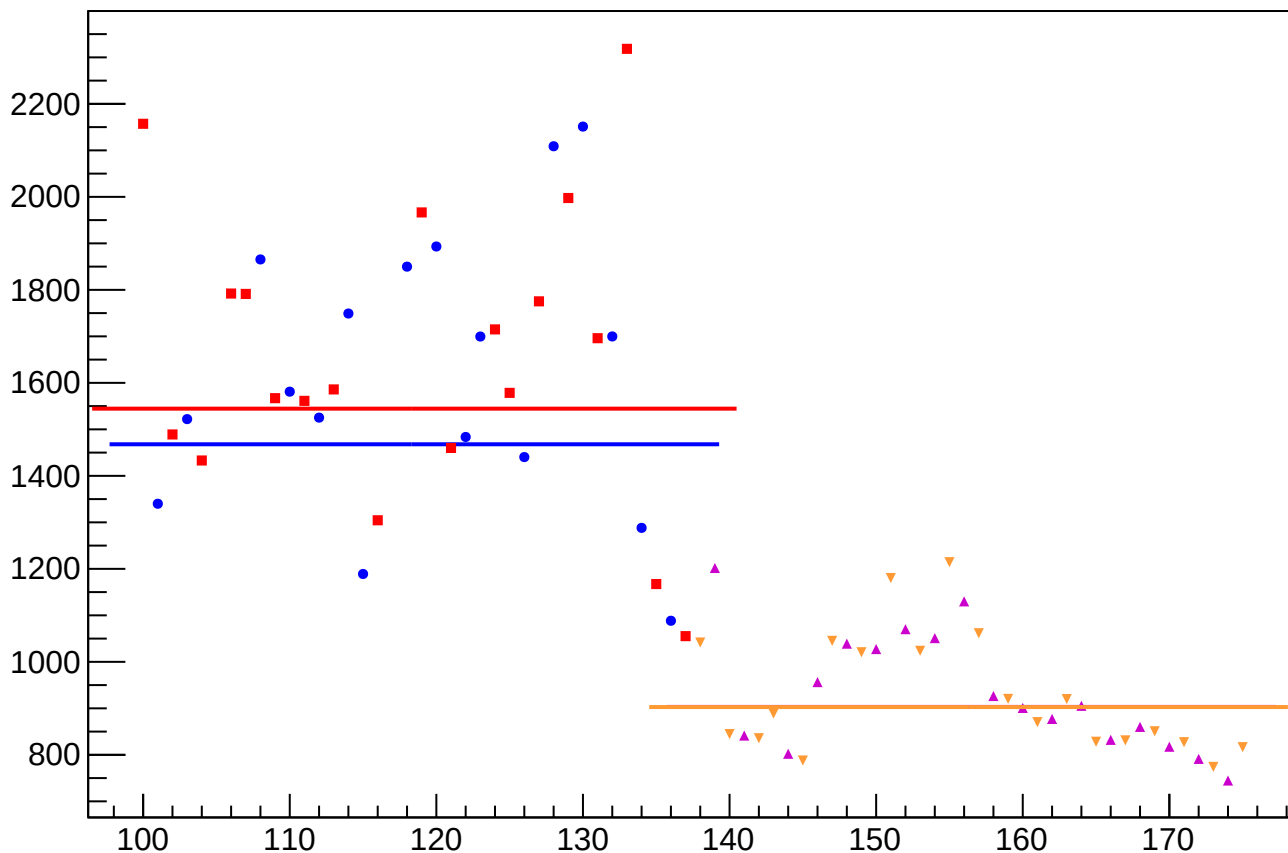
Right: 128.343 $\pm$ 415.370 χ^2 /NDF: 36.9/35

In: 77.184 $\pm$ 224.619 χ^2 /NDF: 47.9/34

Out: 797.585 $\pm$ 218.326 χ^2 /NDF: 70.9/38

All: 447.617 $\pm$ 156.557 χ^2 /NDF: 124.1/73

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905 $\pm$ 0.413 χ^2/NDF : 557458.9/16

Left Out: 902.771 $\pm$ 0.166 χ^2/NDF : 472378.6/19

Right Out: 1544.513 $\pm$ 0.417 χ^2/NDF : 451805.9/18

Left In: 903.049 $\pm$ 0.172 χ^2/NDF : 452542.4/17

Left: 902.905 $\pm$ 0.120 χ^2/NDF : 924922.4/37

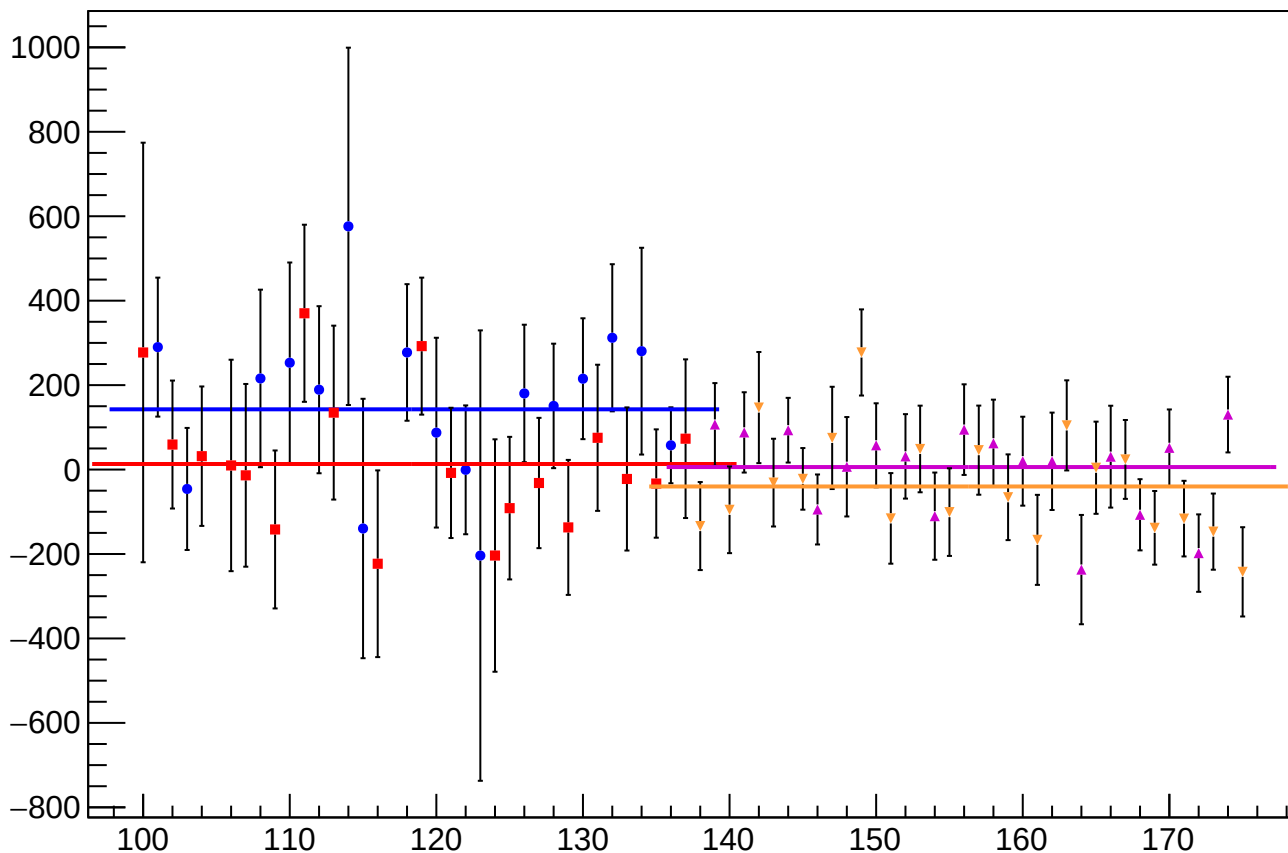
Right: 1505.825 $\pm$ 0.294 χ^2/NDF : 1026270.9/35

In: 986.467 $\pm$ 0.159 χ^2/NDF : 2601991.0/34

Out: 990.531 $\pm$ 0.154 χ^2/NDF : 2964100.3/38

All: 988.557 $\pm$ 0.111 χ^2/NDF : 5566428.0/73

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 ± 41.625 $\chi^2/\text{NDF}: 9.3/16$

Left Out: -40.051 ± 22.396 $\chi^2/\text{NDF}: 27.0/19$

Right Out: 13.177 ± 41.396 $\chi^2/\text{NDF}: 10.8/18$

Left In: 5.949 ± 23.082 $\chi^2/\text{NDF}: 19.7/17$

Left: -17.745 ± 16.074 $\chi^2/\text{NDF}: 48.7/37$

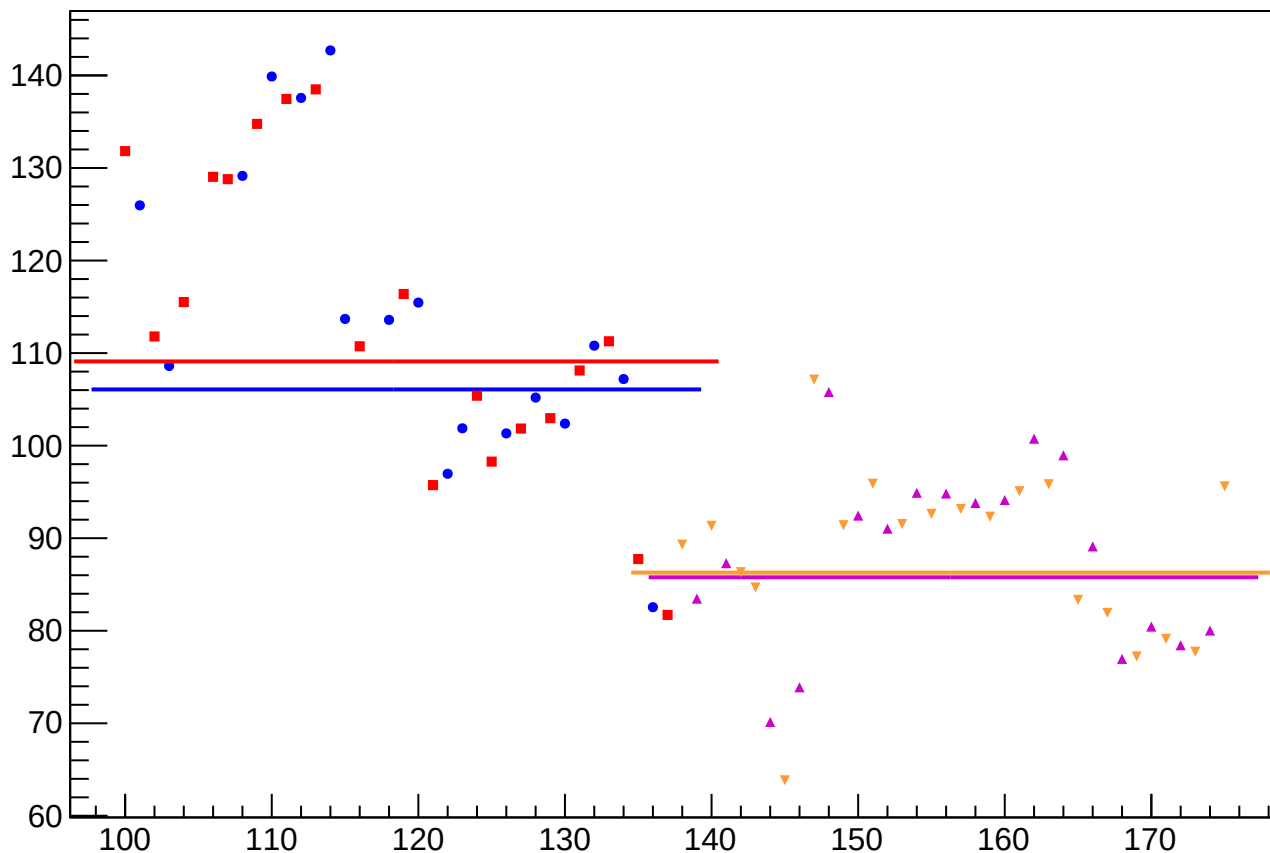
Right: 77.572 ± 29.352 $\chi^2/\text{NDF}: 25.0/35$

In: 38.107 ± 20.186 $\chi^2/\text{NDF}: 37.2/34$

Out: -27.999 ± 19.698 $\chi^2/\text{NDF}: 39.1/38$

All: 4.245 ± 14.098 $\chi^2/\text{NDF}: 81.8/73$

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: 86.284 $\pm$ 0.016 χ^2 /NDF:408003.8/19

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

Left In: 85.773 $\pm$ 0.016 χ^2 /NDF:358540.3/17

Left: 86.036 $\pm$ 0.011 χ^2 /NDF: 767047.8/37

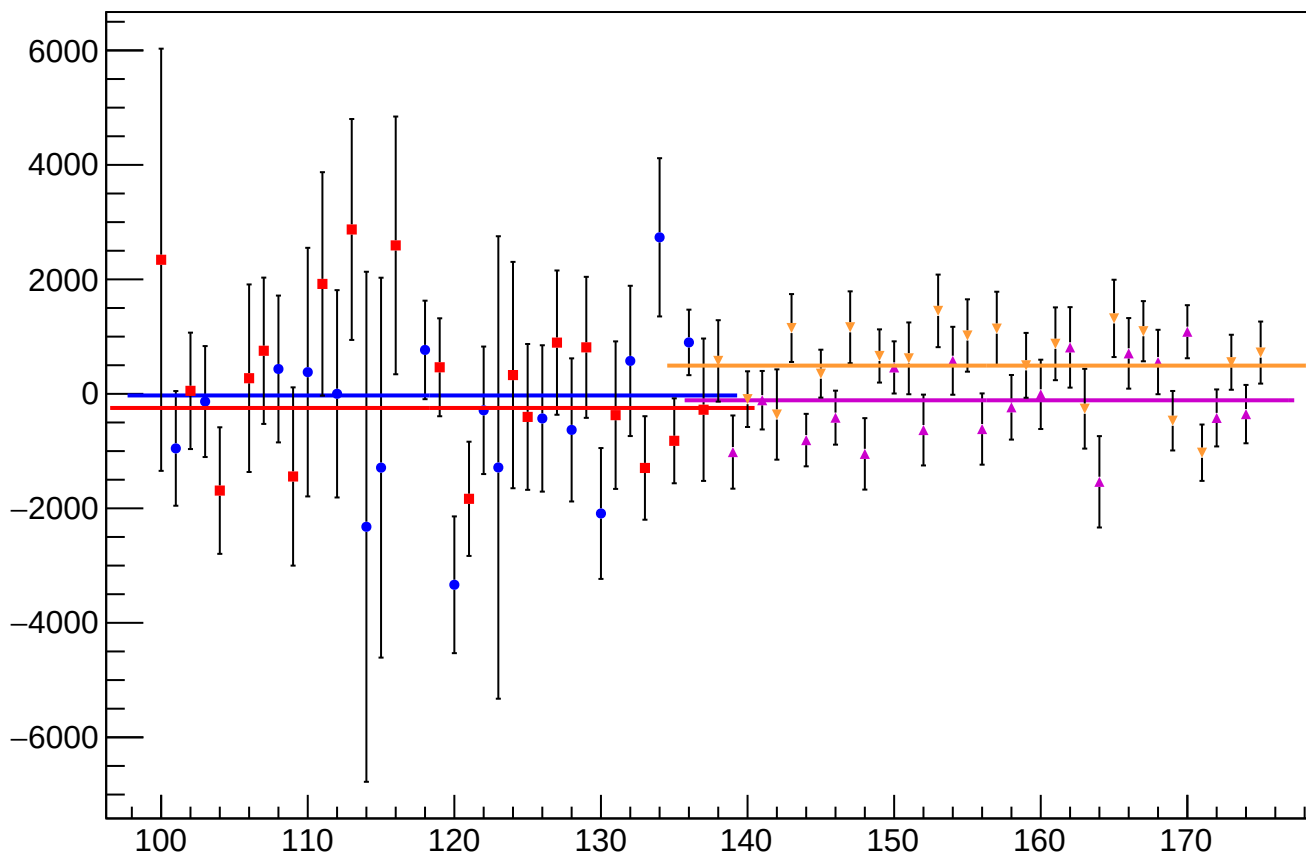
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 90.548 $\pm$ 0.014 χ^2 /NDF:1040262.1/34

Out: 91.450 $\pm$ 0.014 χ^2 /NDF:1163418.0/38

All: 91.010 $\pm$ 0.010 χ^2 /NDF: 2205727.4/73

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: 493.632 ± 126.499 χ^2/NDF : 26.8/19

Right Out: -246.386 ± 279.451 χ^2/NDF : 15.9/18

Left In: -112.517 ± 130.498 χ^2/NDF : 26.7/17

Left: 199.987 ± 90.829 χ^2/NDF : 64.6/37

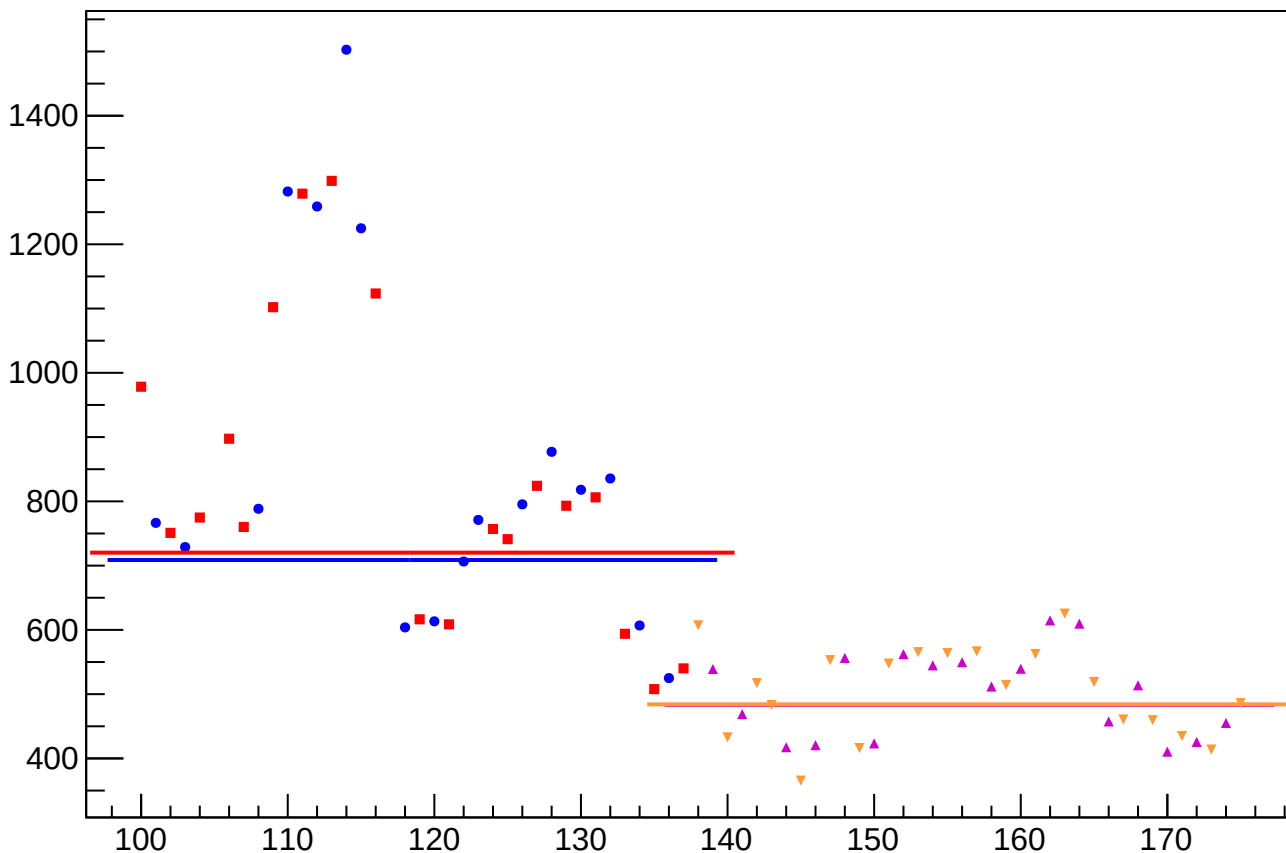
Right: -138.842 ± 199.101 χ^2/NDF : 36.7/35

In: -97.755 ± 118.560 χ^2/NDF : 47.3/34

Out: 367.782 ± 115.242 χ^2/NDF : 48.4/38

All: 141.619 ± 82.637 χ^2/NDF : 103.7/73

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: 484.086 $\pm$ 0.089 χ^2 /NDF: 625859.6/19

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

Left In: 483.241 $\pm$ 0.092 χ^2 /NDF: 466252.5/17

Left: 483.677 $\pm$ 0.064 χ^2 /NDF: 1092155.3/37

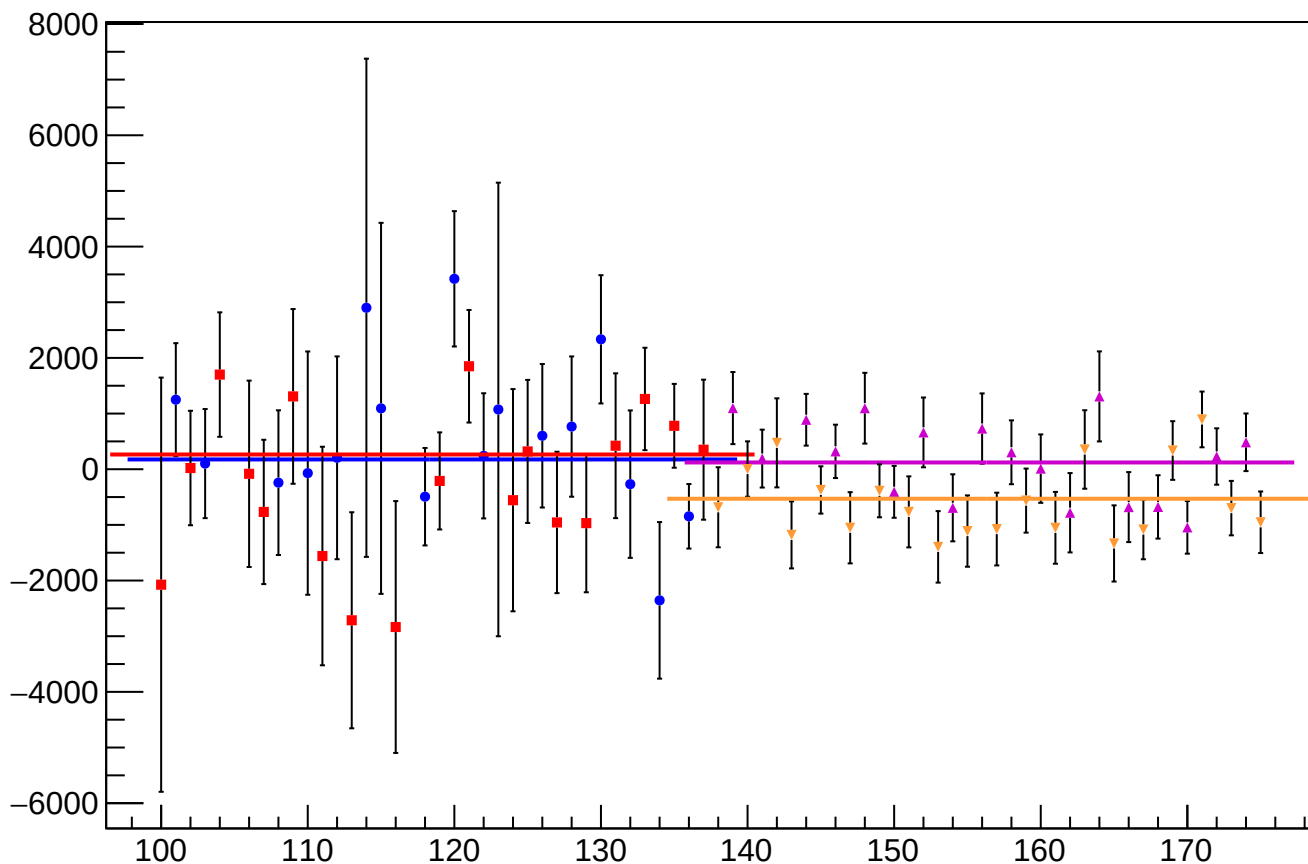
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 522.620 $\pm$ 0.084 χ^2 /NDF: 2302854.2/34

Out: 524.241 $\pm$ 0.081 χ^2 /NDF: 2710773.6/38

All: 523.453 $\pm$ 0.058 χ^2 /NDF: 5013820.0/73

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -530.454 $\pm$ 128.608 χ^2 /NDF:24.5/19

Right Out: 264.622 $\pm$ 283.074 χ^2 /NDF: 14.8/18

Left In: 121.539 $\pm$ 132.640 χ^2 /NDF:26.4/17

Left: -214.518 $\pm$ 92.332 χ^2 /NDF: 63.4/37

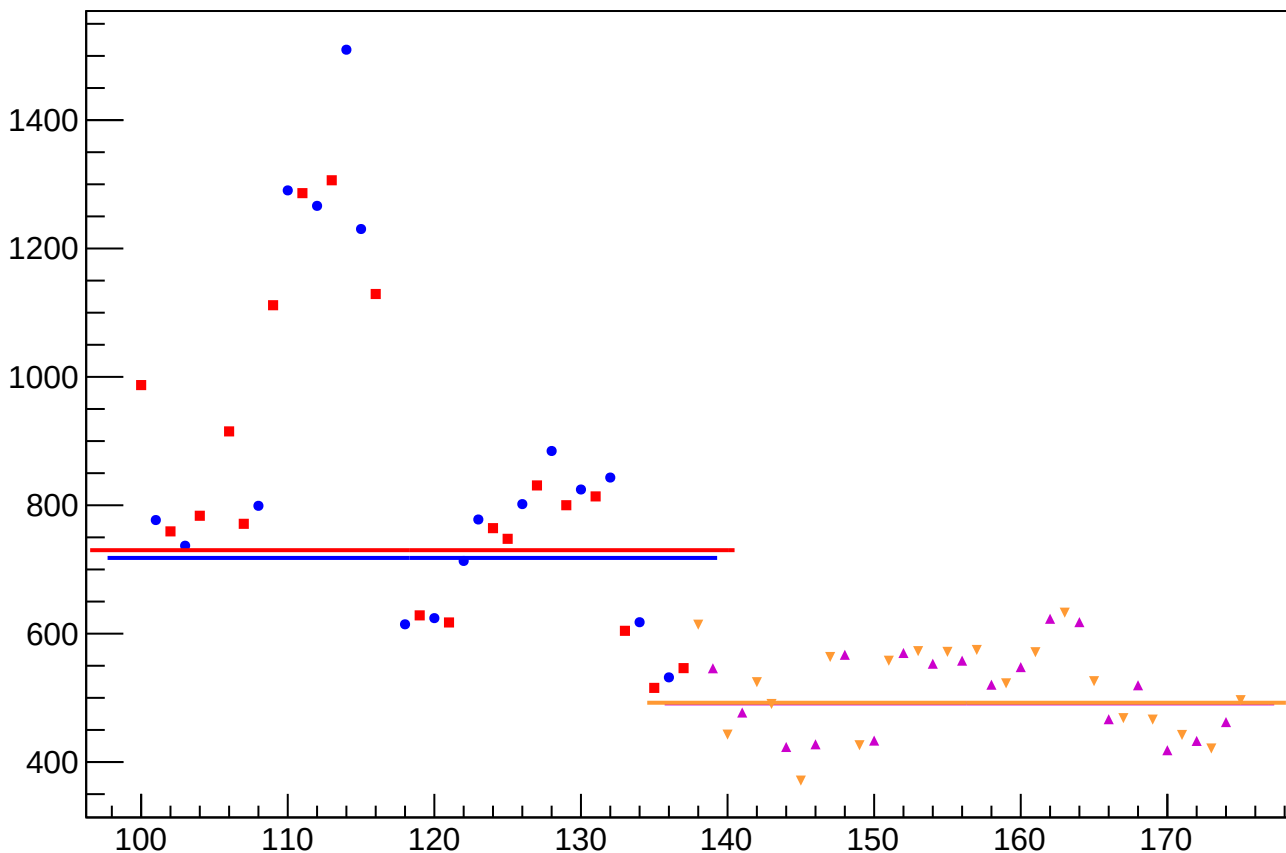
Right: 220.883 $\pm$ 201.613 χ^2 /NDF: 34.6/35

In: 131.086 $\pm$ 120.419 χ^2 /NDF:46.2/34

Out: -394.420 $\pm$ 117.090 χ^2 /NDF:45.8/38

All: -139.032 $\pm$ 83.947 χ^2 /NDF: 101.8/73

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 492.384+/-0.091 χ^2/NDF : 612371.6/19

Right Out: 730.040+/-0.200 χ^2/NDF : 881842.0/18

Left In: 491.327+/-0.094 χ^2/NDF : 455739.7/17

Left: 491.872+/-0.065 χ^2/NDF : 1068176.8/37

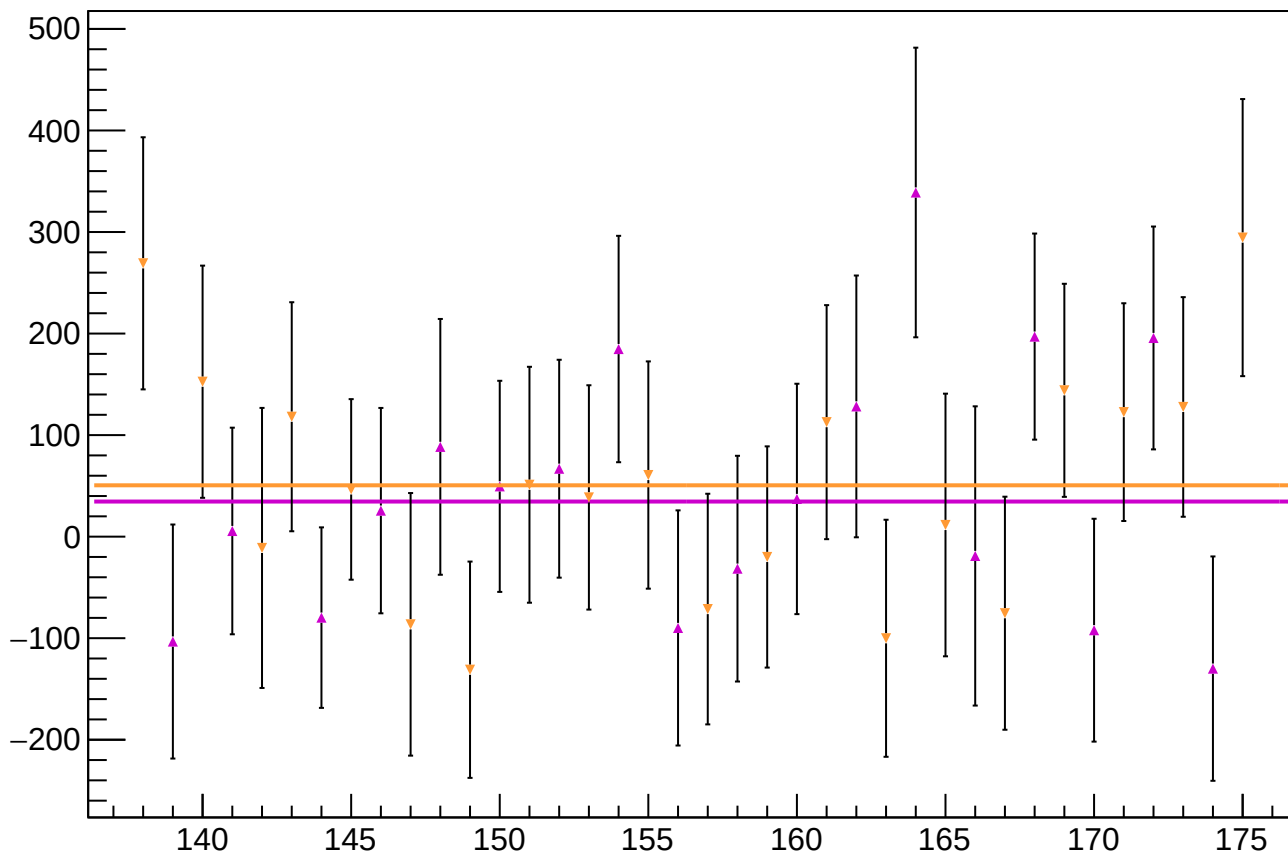
Right: 724.094+/-0.143 χ^2/NDF : 1662212.8/35

In: 531.167+/-0.085 χ^2/NDF : 2260788.5/34

Out: 533.046+/-0.083 χ^2/NDF : 2662720.5/38

All: 532.133+/-0.059 χ^2/NDF : 4923759.4/73

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 50.564 $\pm$ 25.431 χ^2 /NDF:18.3/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 34.568 $\pm$ 26.235 χ^2 /NDF:20.3/17

Left: 42.815 $\pm$ 18.260 χ^2 /NDF: 38.8/37

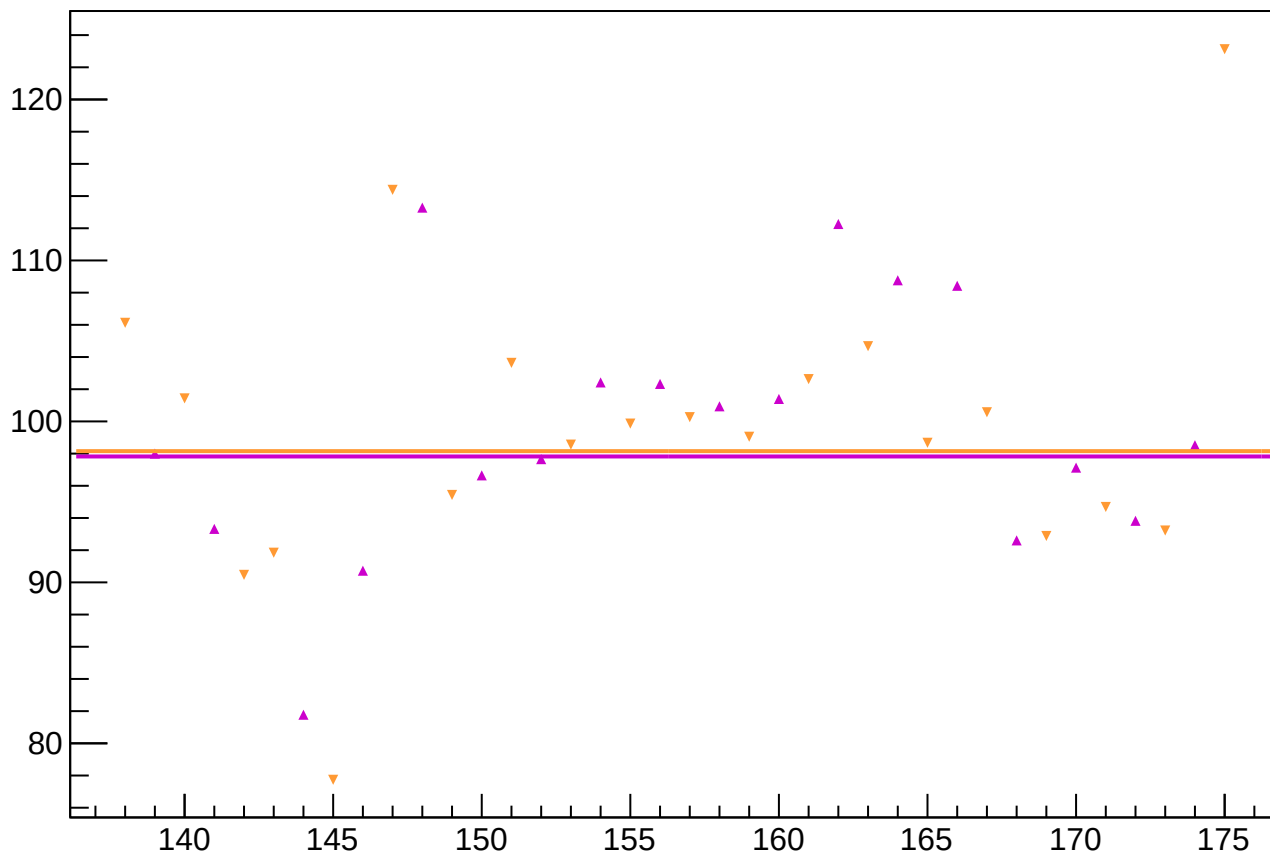
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 34.568 $\pm$ 26.235 χ^2 /NDF:20.3/17

Out: 50.564 $\pm$ 25.431 χ^2 /NDF:18.3/19

All: 42.815 $\pm$ 18.260 χ^2 /NDF: 38.8/37

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 98.153+/-0.018 χ^2/NDF :254883.9/19

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

Left In: 97.822+/-0.019 χ^2/NDF :174653.5/17

Left: 97.993+/-0.013 χ^2/NDF : 429702.0/37

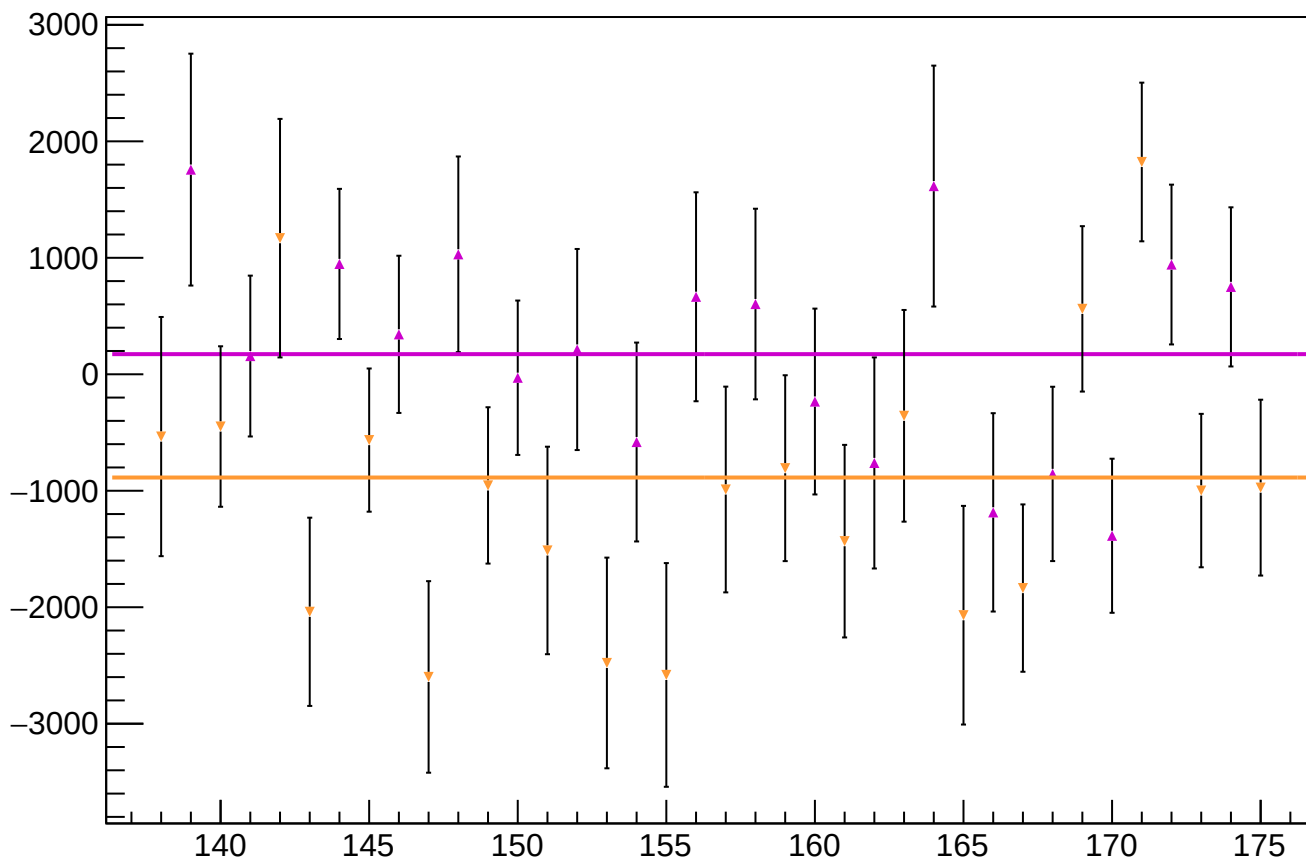
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 97.822+/-0.019 χ^2/NDF :174653.5/17

Out: 98.153+/-0.018 χ^2/NDF :254883.9/19

All: 97.993+/-0.013 χ^2/NDF : 429702.0/37

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -886.331+/-176.088 χ^2/NDF : 42.1/19

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

Left In: 172.866+/-181.680 χ^2/NDF : 21.8/17

Left: -373.283+/-126.444 χ^2/NDF : 81.4/37

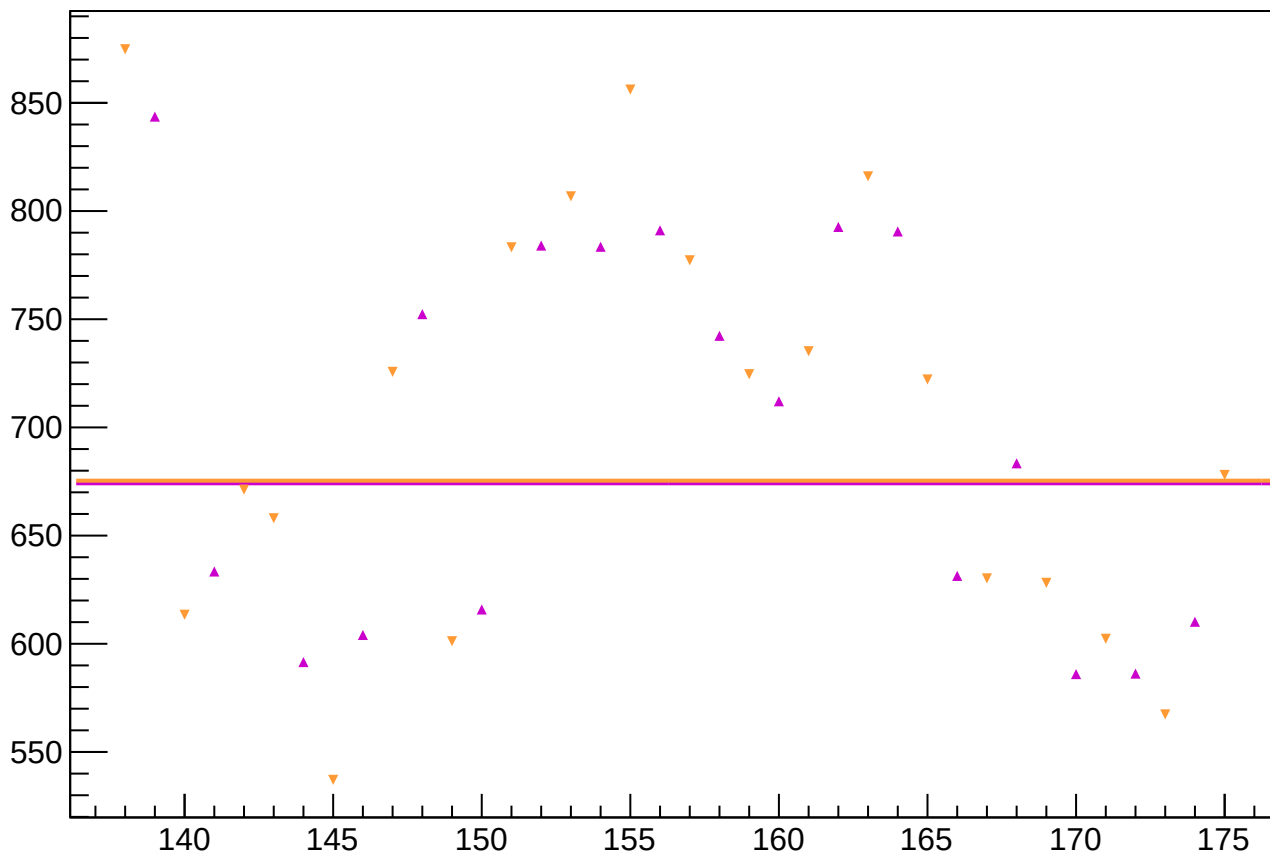
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 172.866+/-181.680 χ^2/NDF : 21.8/17

Out: -886.331+/-176.088 χ^2/NDF : 42.1/19

All: -373.283+/-126.444 χ^2/NDF : 81.4/37

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 675.387+/-0.125 χ^2/NDF :559219.0/19

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

Left In: 674.175+/-0.128 χ^2/NDF :420625.7/17

Left: 674.800+/-0.089 χ^2/NDF : 979890.5/37

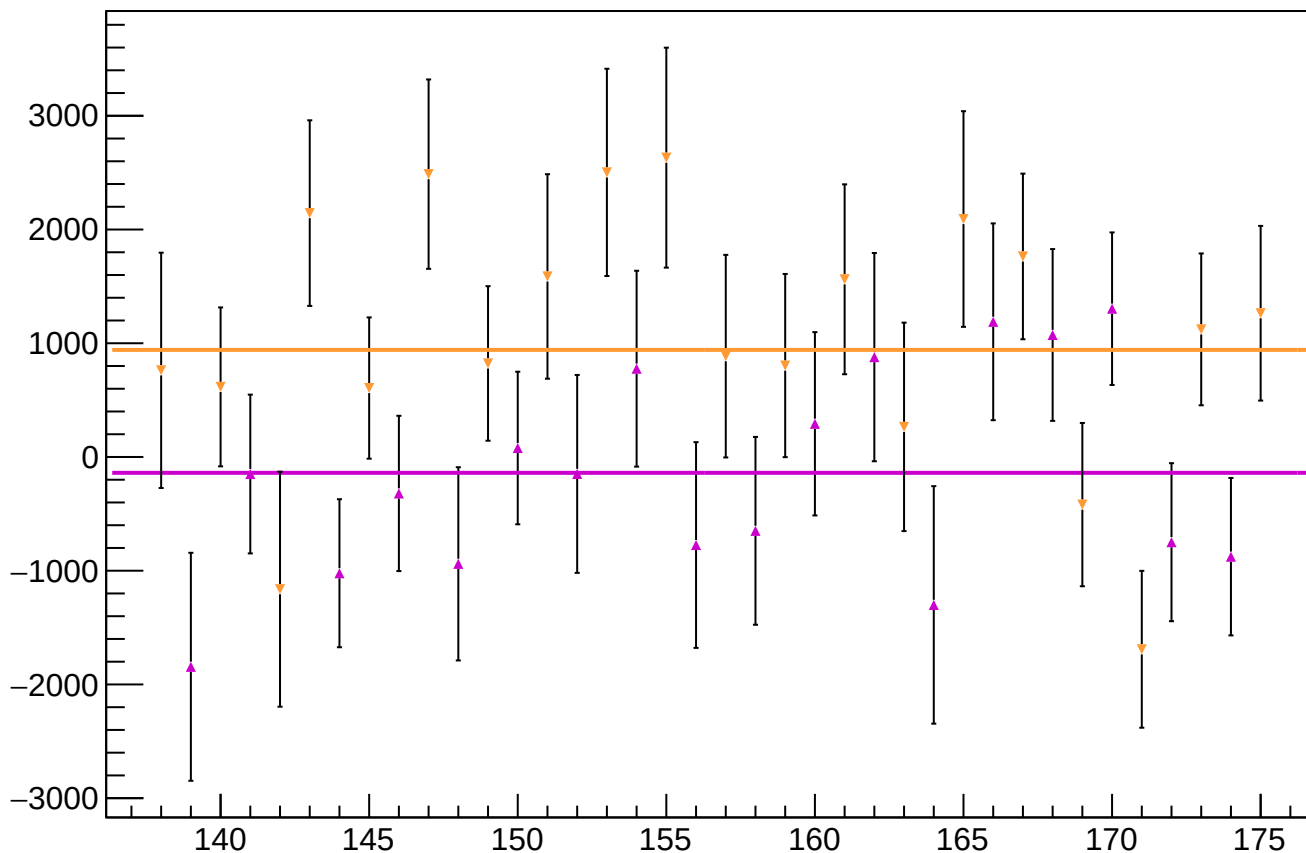
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 674.175+/-0.128 χ^2/NDF :420625.7/17

Out: 675.387+/-0.125 χ^2/NDF :559219.0/19

All: 674.800+/-0.089 χ^2/NDF : 979890.5/37

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 941.552+/-178.057 χ^2/NDF :39.1/19

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

Left In: -139.321+/-183.675 χ^2/NDF :22.0/17

Left: 417.896+/-127.845 χ^2/NDF : 79.0/37

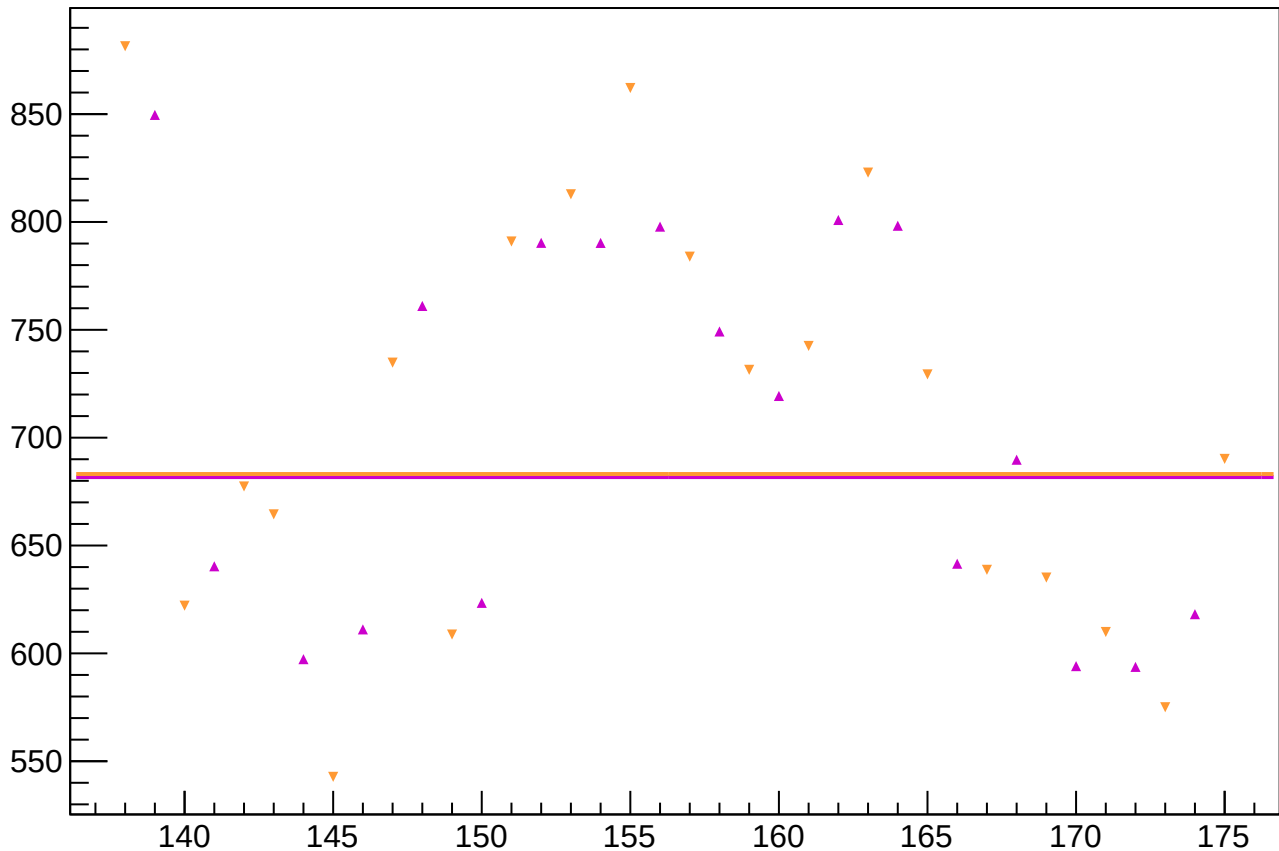
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -139.321+/-183.675 χ^2/NDF :22.0/17

Out: 941.552+/-178.057 χ^2/NDF :39.1/19

All: 417.896+/-127.845 χ^2/NDF : 79.0/37

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 683.144+/-0.126 χ^2/NDF : 547247.4/19

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

Left In: 681.734+/-0.130 χ^2/NDF : 410804.8/17

Left: 682.461+/-0.090 χ^2/NDF : 958113.1/37

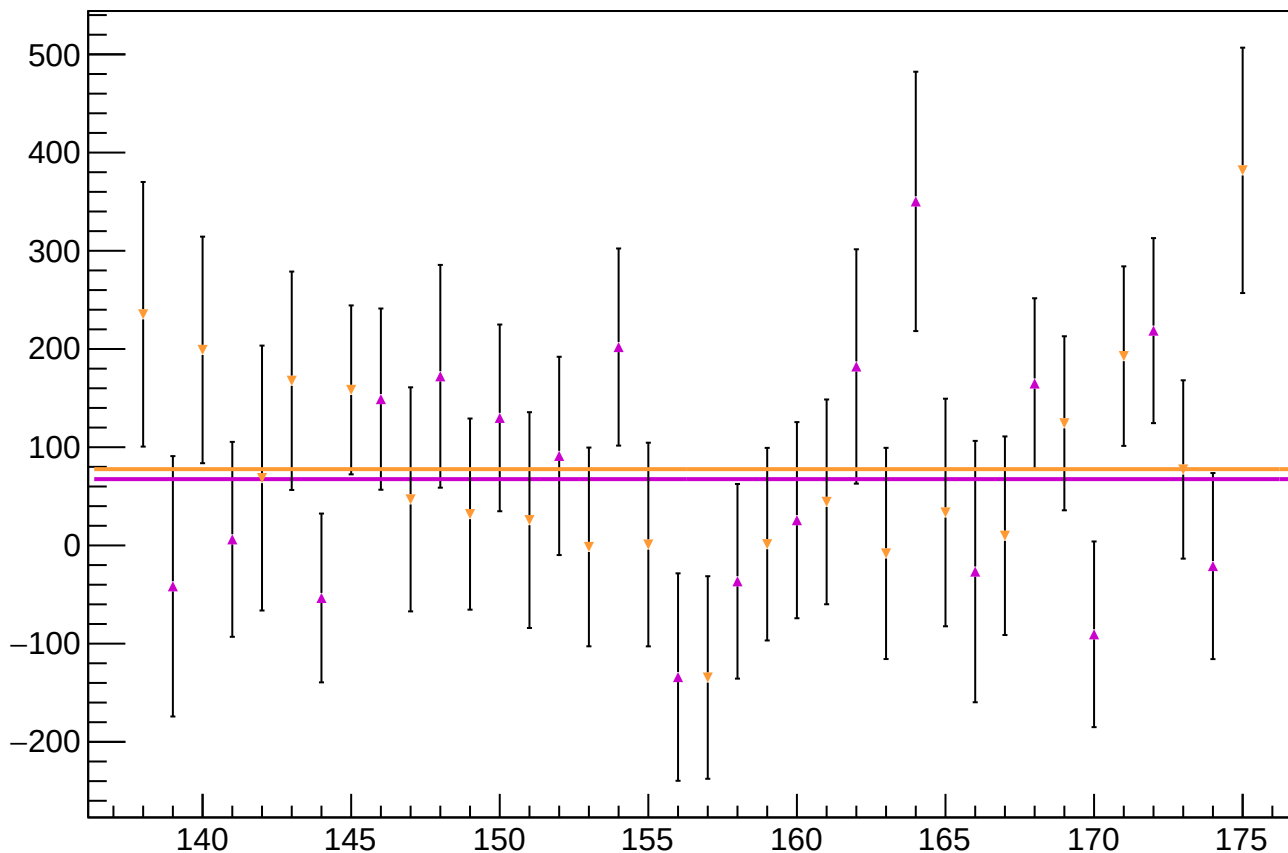
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 681.734+/-0.130 χ^2/NDF : 410804.8/17

Out: 683.144+/-0.126 χ^2/NDF : 547247.4/19

All: 682.461+/-0.090 χ^2/NDF : 958113.1/37

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 77.673 $\pm$ 23.321 χ^2 /NDF:19.7/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 67.503 $\pm$ 23.961 χ^2 /NDF:25.4/17

Left: 72.726 $\pm$ 16.712 χ^2 /NDF: 45.1/37

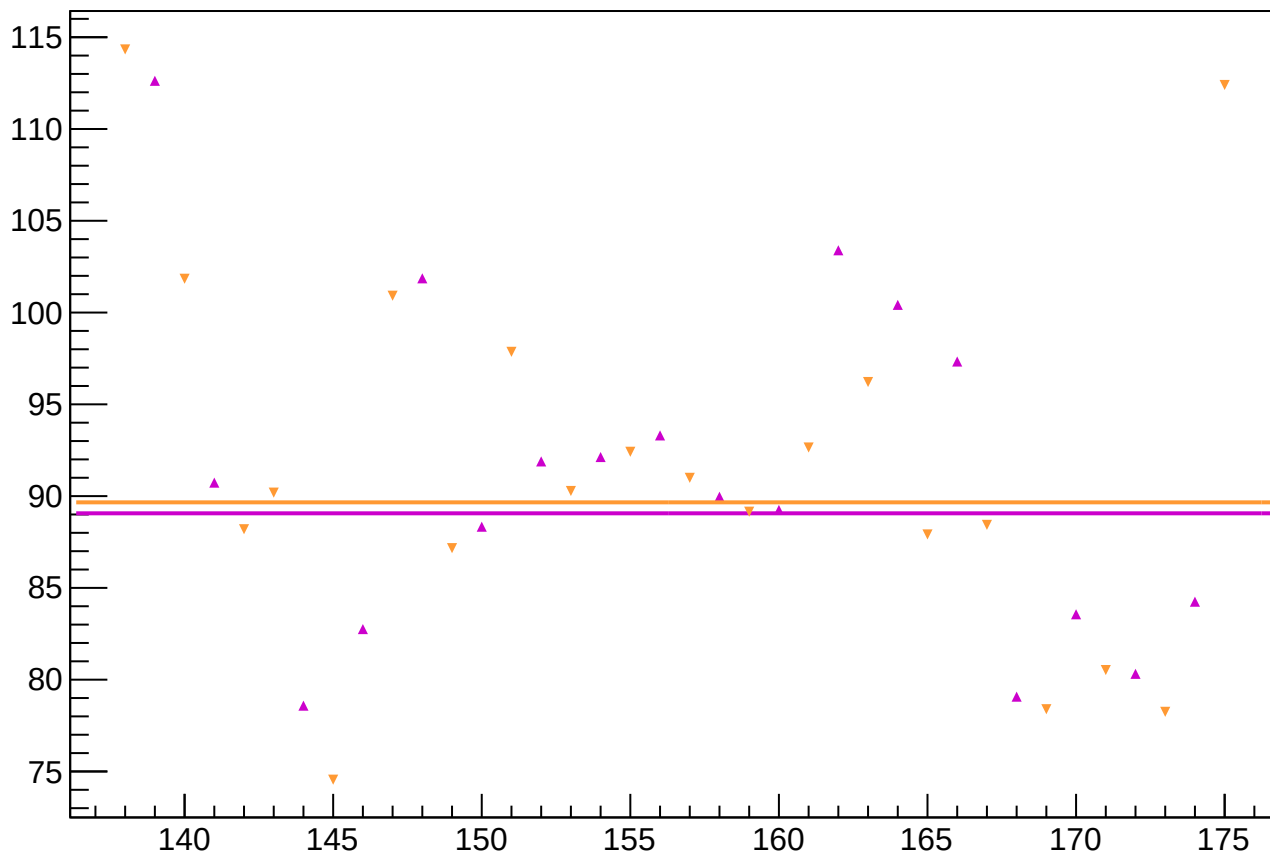
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 67.503 $\pm$ 23.961 χ^2 /NDF:25.4/17

Out: 77.673 $\pm$ 23.321 χ^2 /NDF:19.7/19

All: 72.726 $\pm$ 16.712 χ^2 /NDF: 45.1/37

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 89.660+/-0.016 χ^2/NDF :345232.1/19

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

Left In: 89.063+/-0.017 χ^2/NDF :242317.6/17

Left: 89.370+/-0.012 χ^2/NDF : 588187.9/37

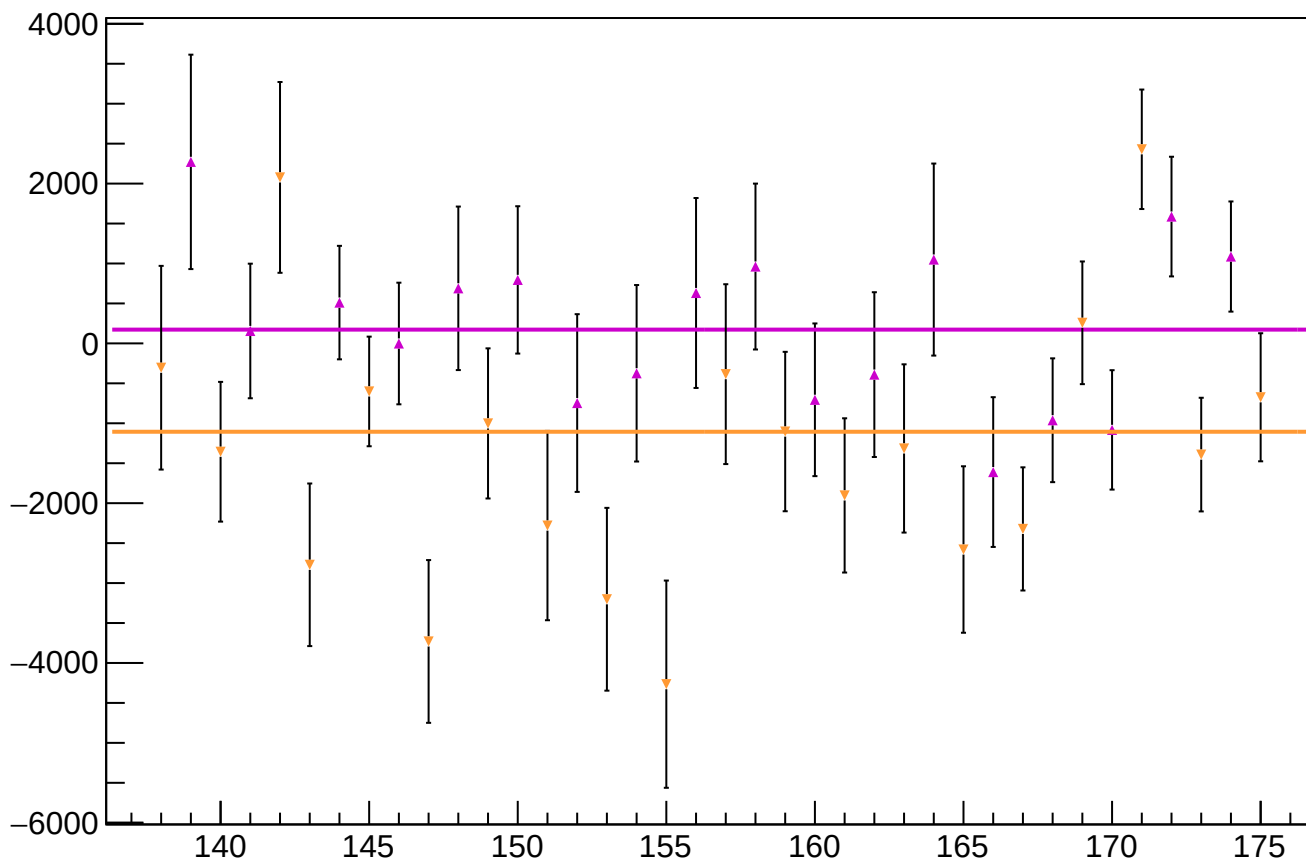
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 89.063+/-0.017 χ^2/NDF :242317.6/17

Out: 89.660+/-0.016 χ^2/NDF :345232.1/19

All: 89.370+/-0.012 χ^2/NDF : 588187.9/37

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1105.972+/-207.277 χ^2/NDF :59.3/19

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

Left In: 172.307+/-211.862 χ^2/NDF :20.7/17

Left: -480.814+/-148.161 χ^2/NDF : 98.6/37

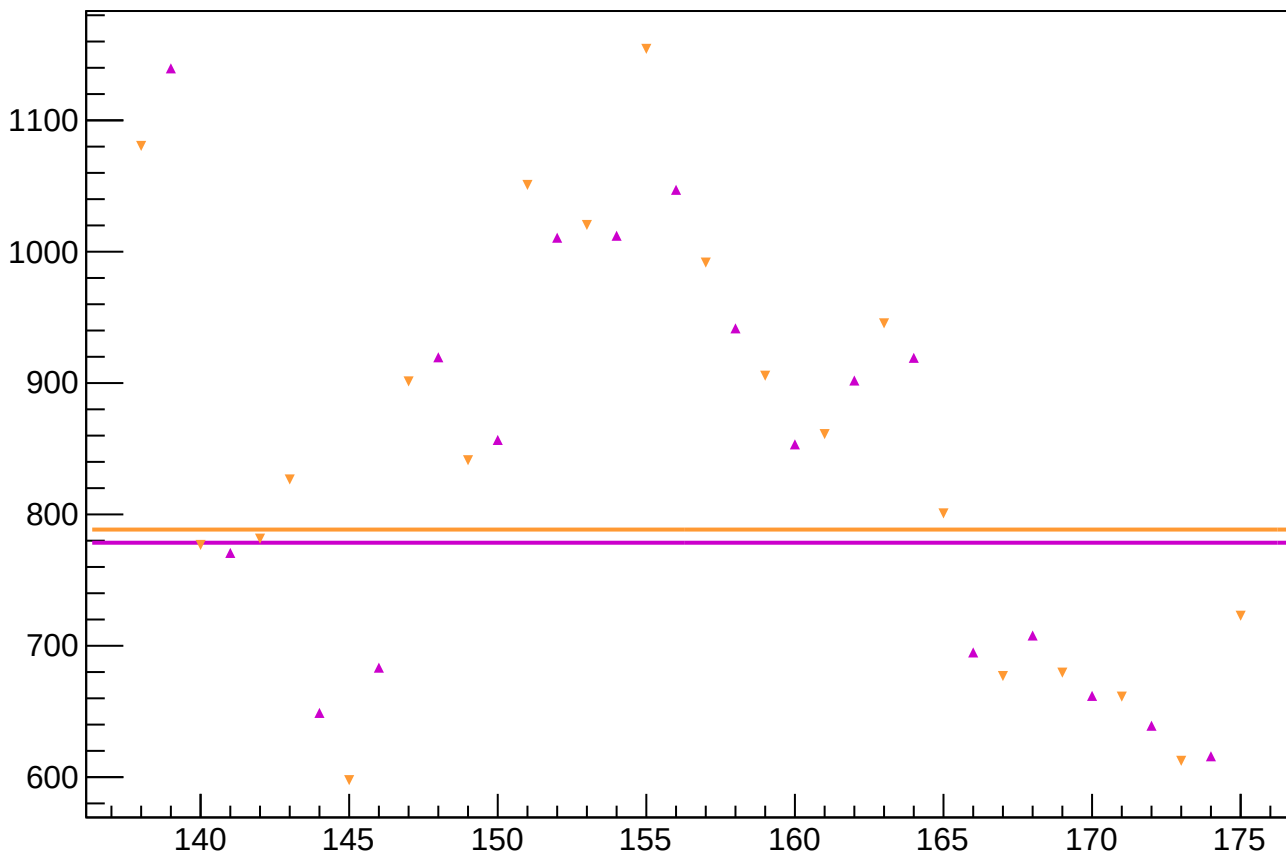
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 172.307+/-211.862 χ^2/NDF :20.7/17

Out: -1105.972+/-207.277 χ^2/NDF :59.3/19

All: -480.814+/-148.161 χ^2/NDF : 98.6/37

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 788.472+/-0.147 χ^2/NDF :1057892.9/19

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

Left In: 778.453+/-0.150 χ^2/NDF :953570.5/17

Left: 783.572+/-0.105 χ^2/NDF : 2013748.6/37

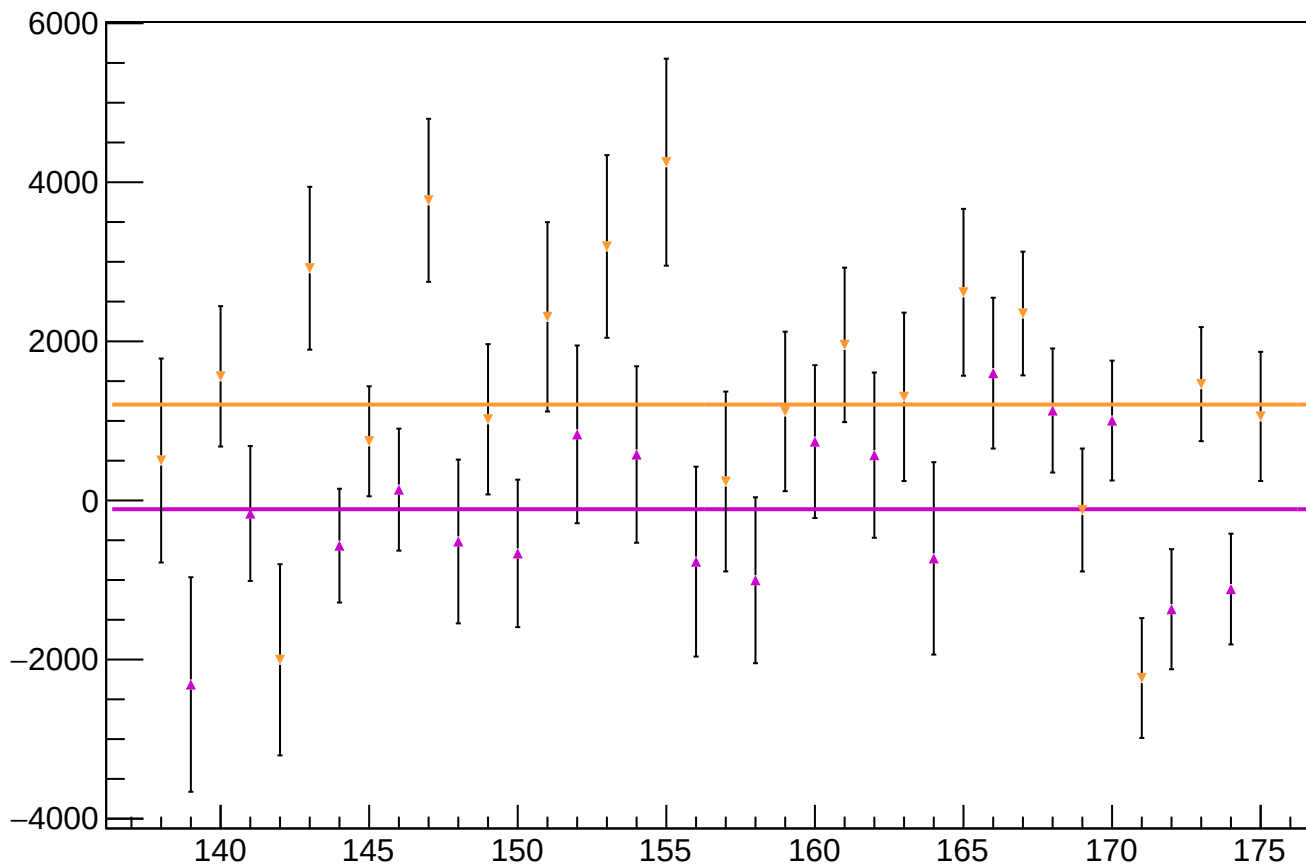
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 778.453+/-0.150 χ^2/NDF :953570.5/17

Out: 788.472+/-0.147 χ^2/NDF :1057892.9/19

All: 783.572+/-0.105 χ^2/NDF : 2013748.6/37

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1206.089+/-208.745 χ^2/NDF :55.7/19

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

Left In: -110.155+/-213.347 χ^2/NDF :20.1/17

Left: 562.319+/-149.206 χ^2/NDF : 95.3/37

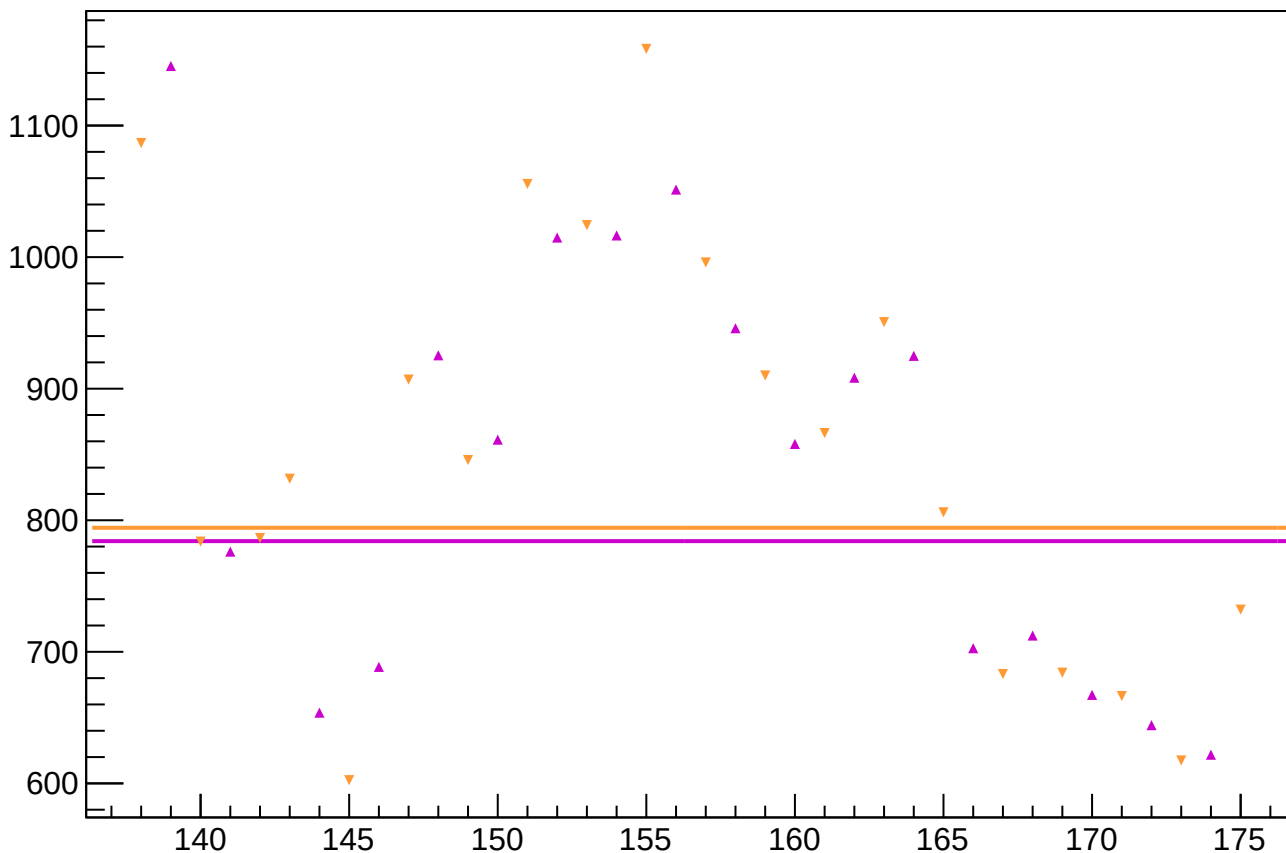
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -110.155+/-213.347 χ^2/NDF :20.1/17

Out: 1206.089+/-208.745 χ^2/NDF :55.7/19

All: 562.319+/-149.206 χ^2/NDF : 95.3/37

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 794.287+/-0.148 χ^2/NDF :1041949.1/19

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

Left In: 784.135+/-0.151 χ^2/NDF :938937.7/17

Left: 789.322+/-0.106 χ^2/NDF : 1983200.4/37

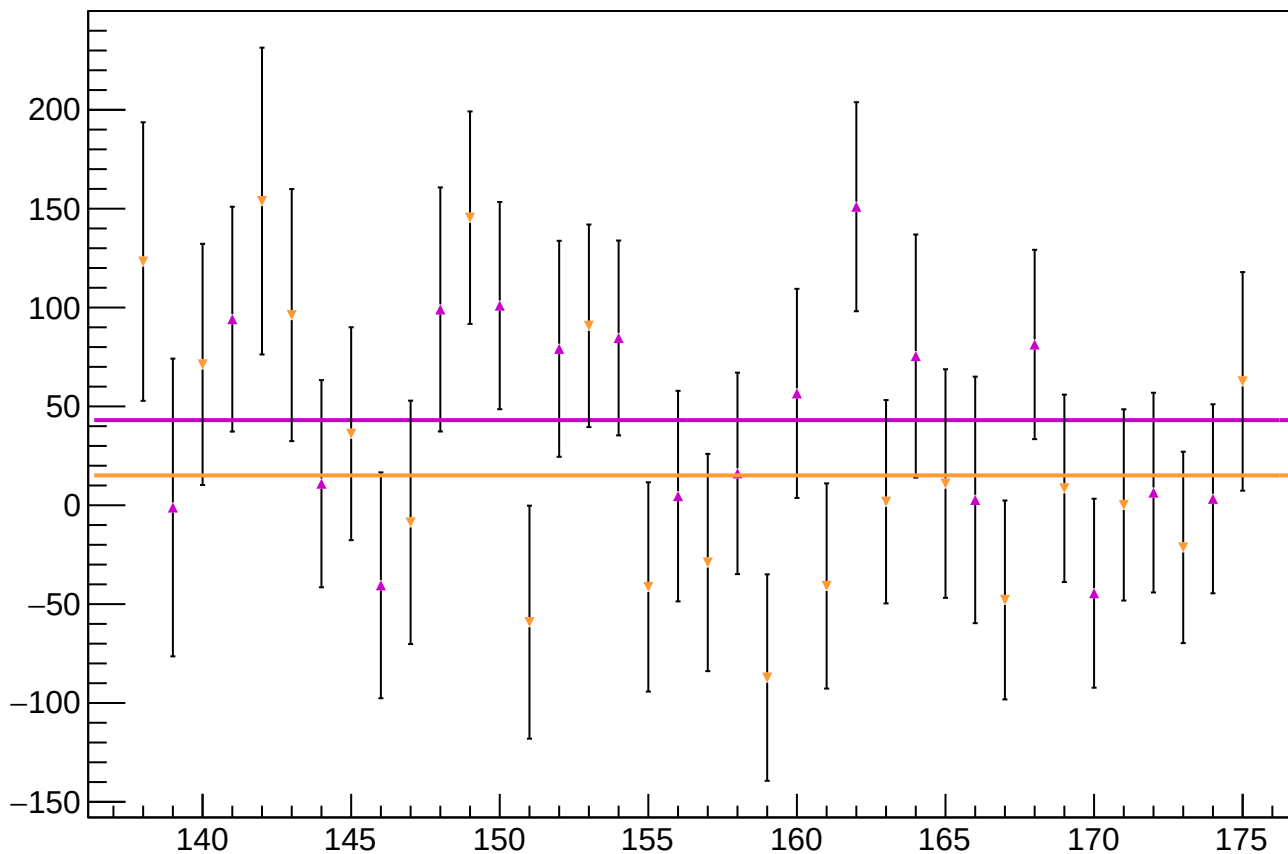
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 784.135+/-0.151 χ^2/NDF :938937.7/17

Out: 794.287+/-0.148 χ^2/NDF :1041949.1/19

All: 789.322+/-0.106 χ^2/NDF : 1983200.4/37

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 15.113+/-12.279 χ^2/NDF : 27.8/19

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

Left In: 43.052+/-12.691 χ^2/NDF : 17.8/17

Left: 28.621+/-8.825 χ^2/NDF : 48.1/37

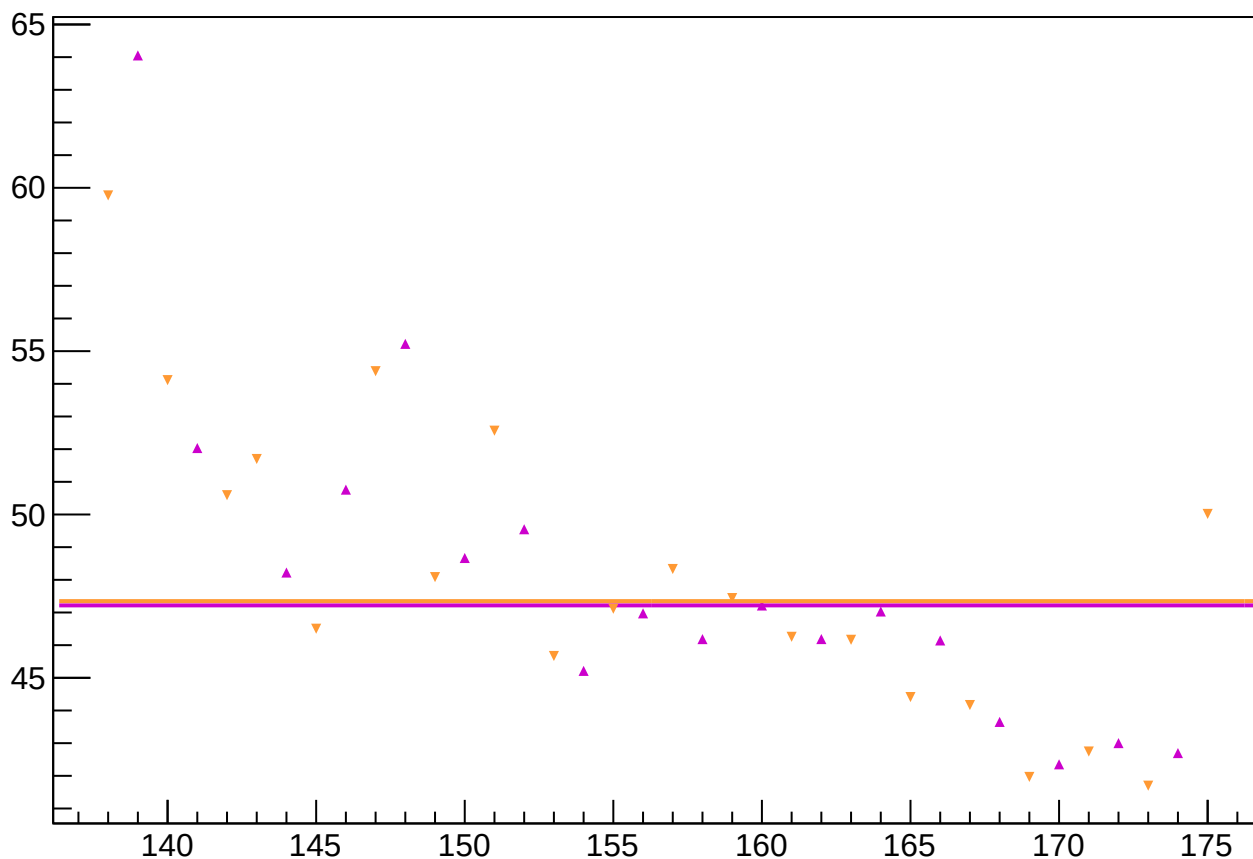
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 43.052+/-12.691 χ^2/NDF : 17.8/17

Out: 15.113+/-12.279 χ^2/NDF : 27.8/19

All: 28.621+/-8.825 χ^2/NDF : 48.1/37

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 47.348+/-0.009 χ^2/NDF :236020.4/19

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

Left In: 47.218+/-0.009 χ^2/NDF :230774.3/17

Left: 47.285+/-0.006 χ^2/NDF : 466903.6/37

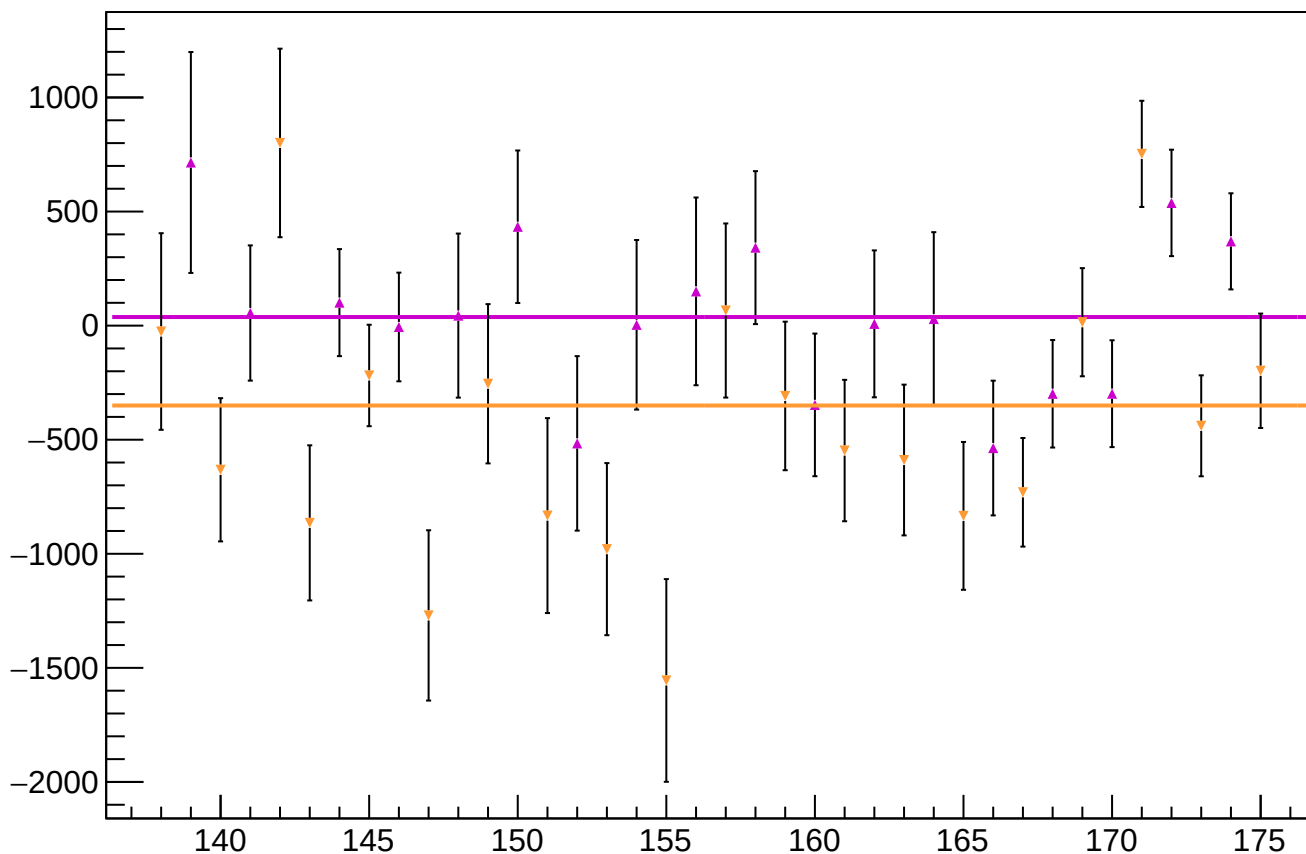
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.218+/-0.009 χ^2/NDF :230774.3/17

Out: 47.348+/-0.009 χ^2/NDF :236020.4/19

All: 47.285+/-0.006 χ^2/NDF : 466903.6/37

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -350.095+/-67.585 χ^2/NDF :61.6/19

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

Left In: 37.682+/-68.608 χ^2/NDF :23.0/17

Left: -159.120+/-48.147 χ^2/NDF : 100.8/37

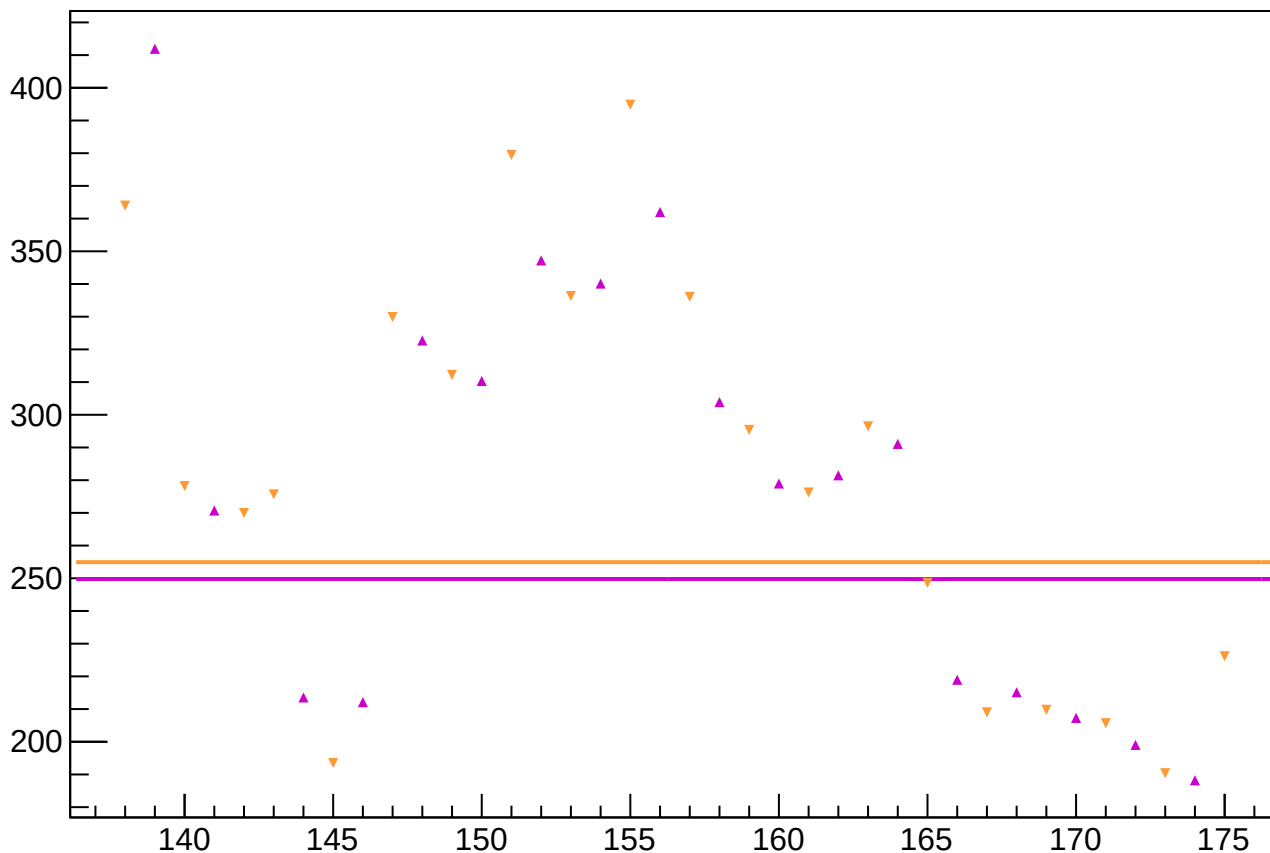
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 37.682+/-68.608 χ^2/NDF :23.0/17

Out: -350.095+/-67.585 χ^2/NDF :61.6/19

All: -159.120+/-48.147 χ^2/NDF : 100.8/37

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 254.928+/-0.048 χ^2/NDF :1494434.6/19

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

Left In: 249.769+/-0.049 χ^2/NDF :1385604.8/17

Left: 252.387+/-0.034 χ^2/NDF : 2885776.7/37

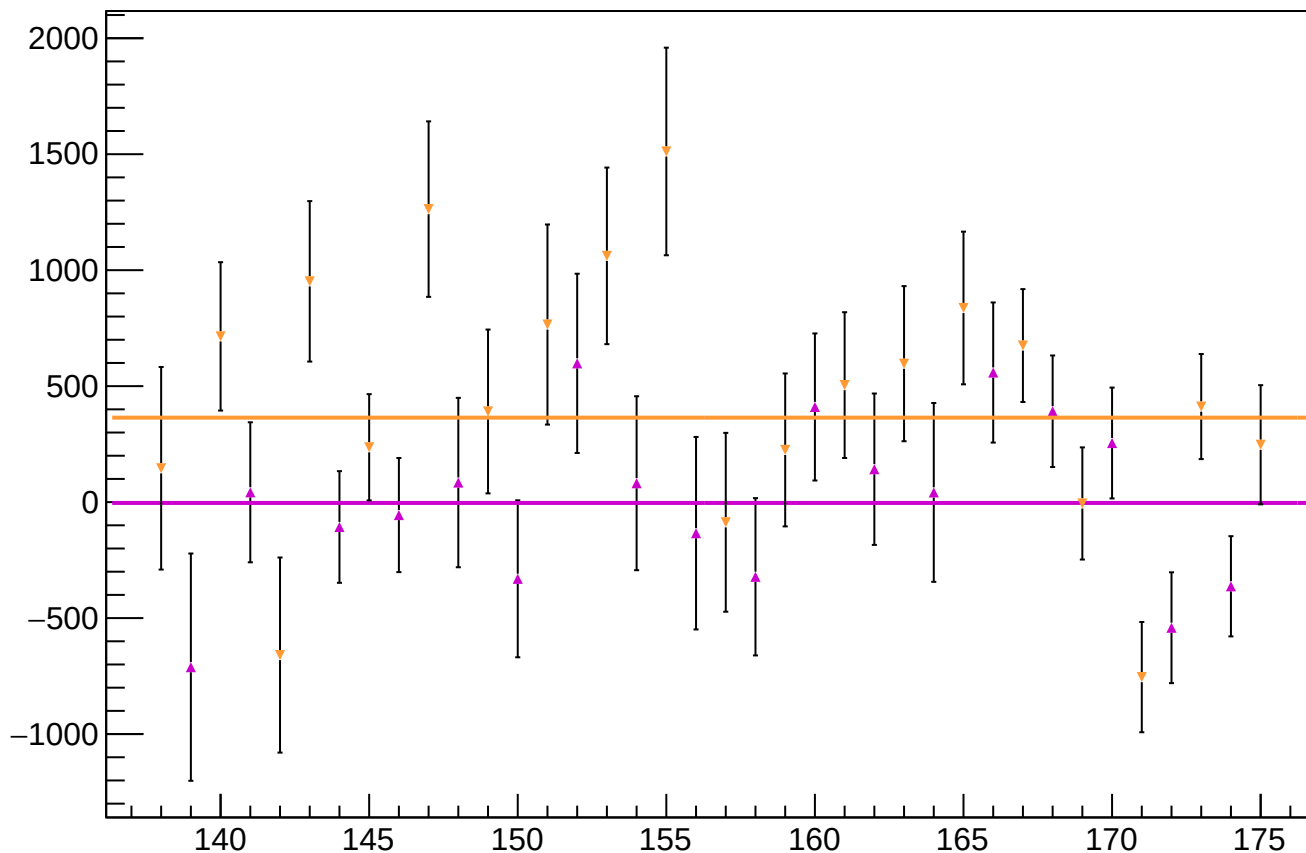
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 249.769+/-0.049 χ^2/NDF :1385604.8/17

Out: 254.928+/-0.048 χ^2/NDF :1494434.6/19

All: 252.387+/-0.034 χ^2/NDF : 2885776.7/37

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 364.180+/-68.856 χ^2/NDF :57.7/19

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

Left In: -3.546+/-69.974 χ^2/NDF :23.9/17

Left: 183.277+/-49.079 χ^2/NDF : 95.6/37

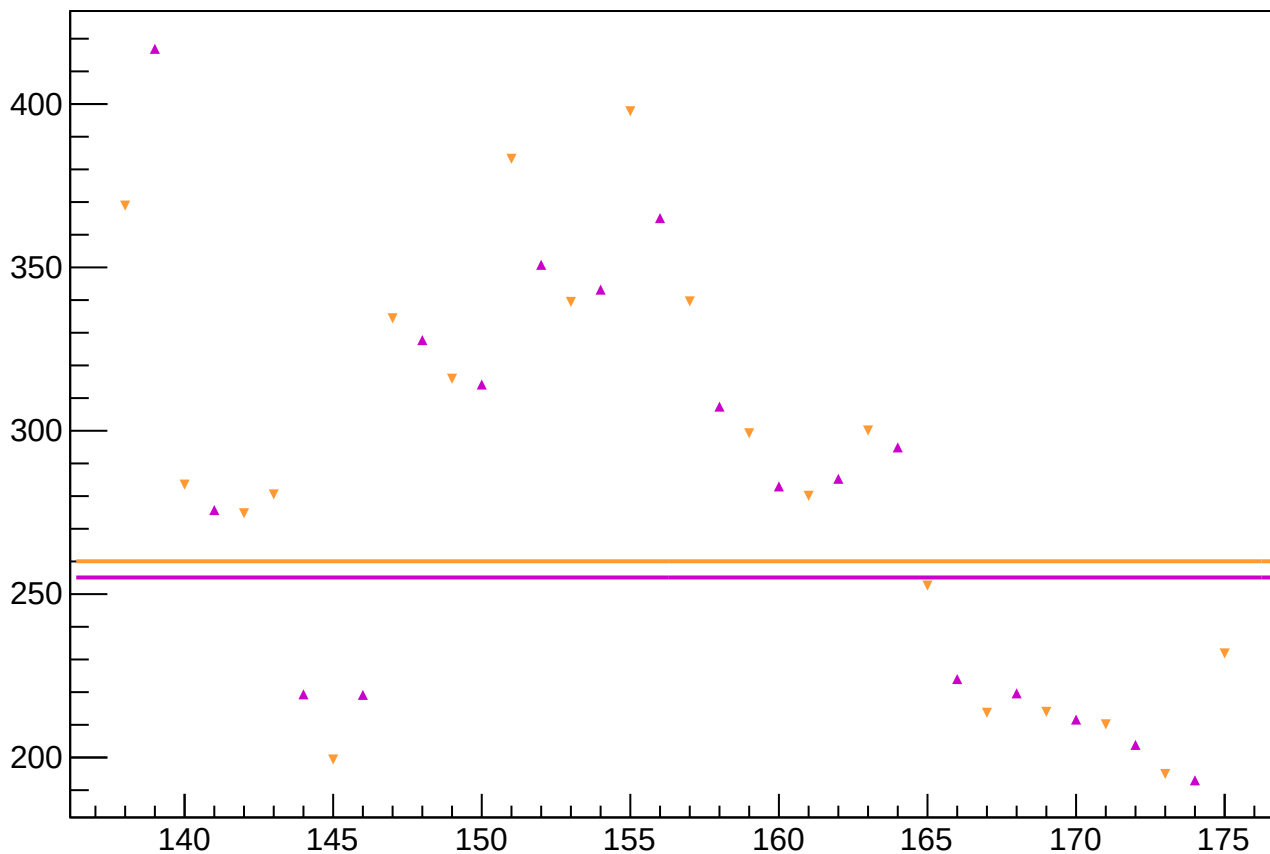
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -3.546+/-69.974 χ^2/NDF :23.9/17

Out: 364.180+/-68.856 χ^2/NDF :57.7/19

All: 183.277+/-49.079 χ^2/NDF : 95.6/37

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 260.054+/-0.049 χ^2/NDF :1425665.1/19

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

Left In: 255.093+/-0.049 χ^2/NDF :1317565.8/17

Left: 257.613+/-0.035 χ^2/NDF : 2748339.6/37

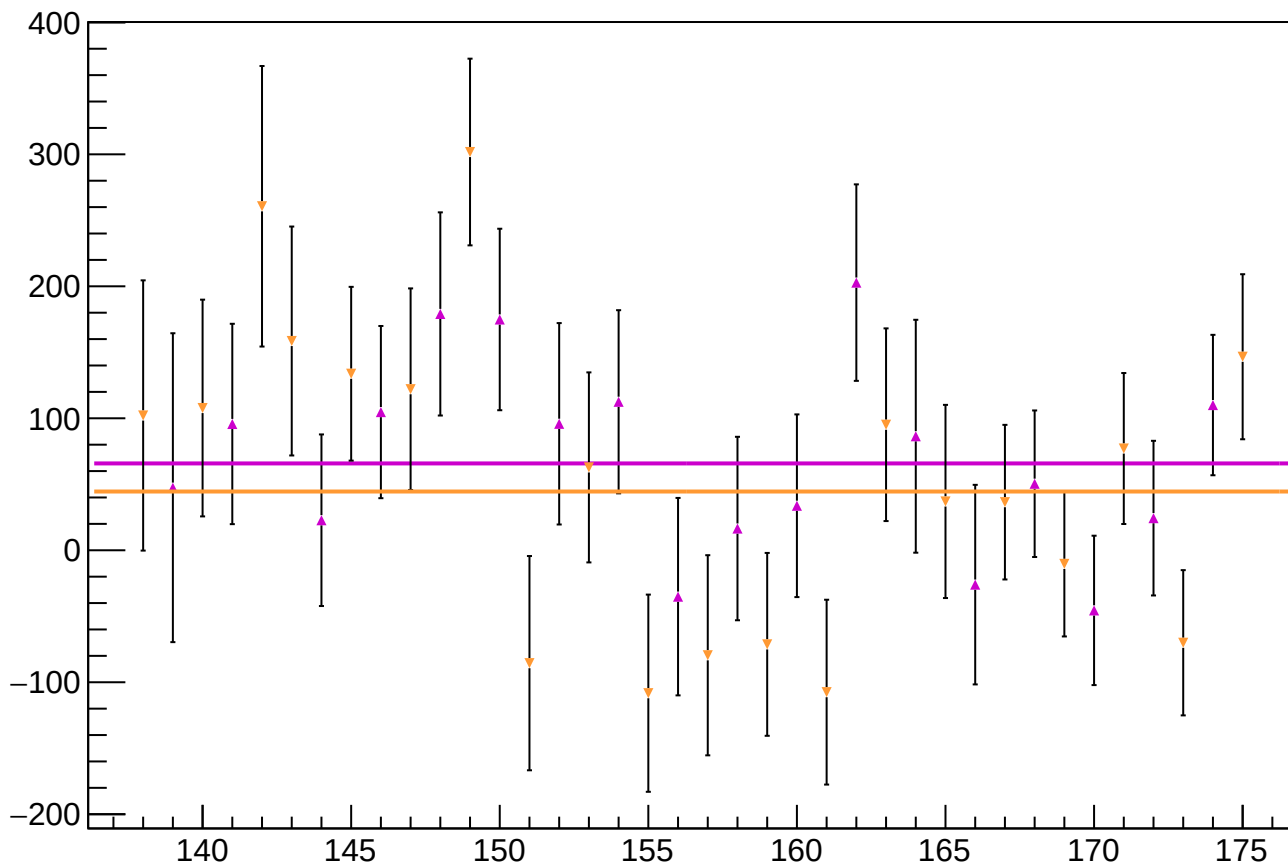
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 255.093+/-0.049 χ^2/NDF :1317565.8/17

Out: 260.054+/-0.049 χ^2/NDF :1425665.1/19

All: 257.613+/-0.035 χ^2/NDF : 2748339.6/37

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 44.520+/-15.683 χ^2/NDF : 48.7/19

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

Left In: 65.800+/-16.142 χ^2/NDF : 18.9/17

Left: 54.853+/-11.248 χ^2/NDF : 68.5/37

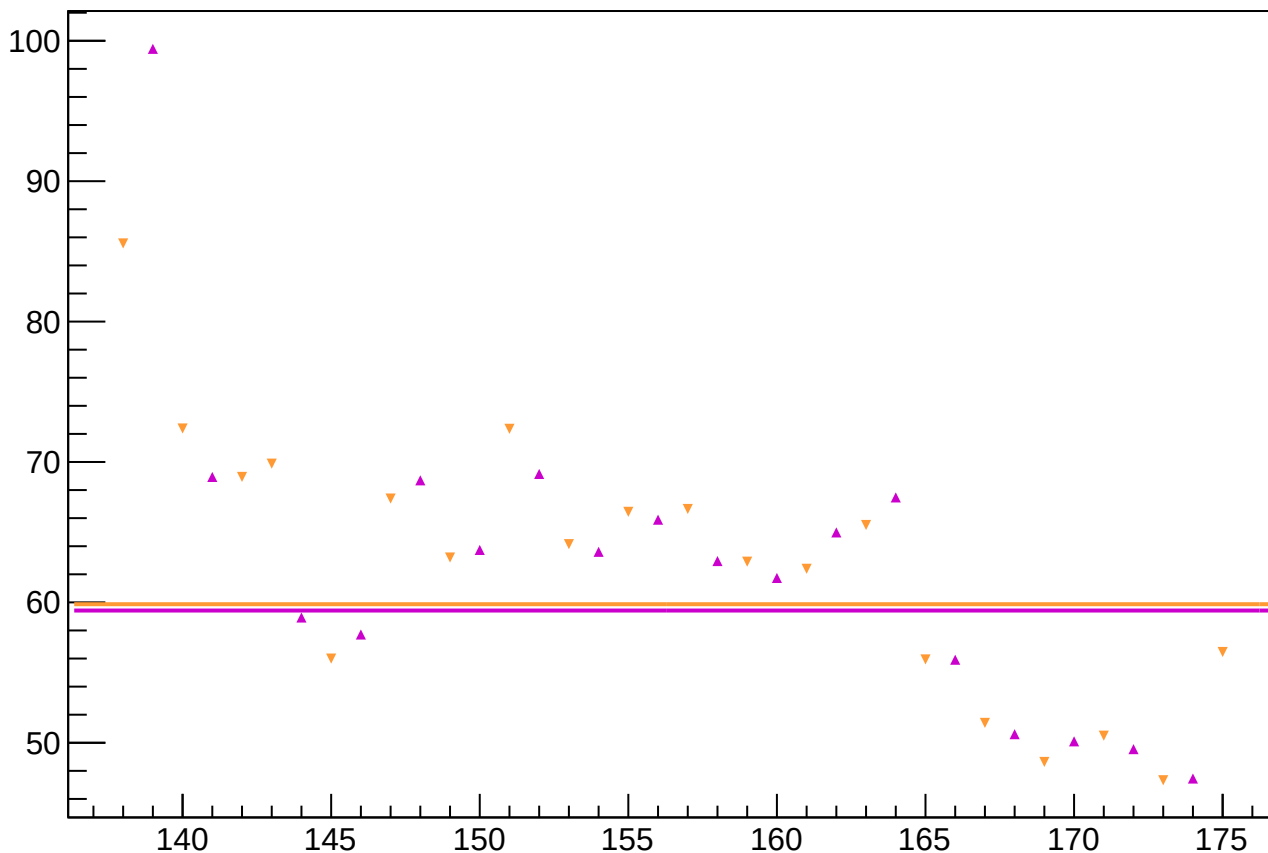
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 65.800+/-16.142 χ^2/NDF : 18.9/17

Out: 44.520+/-15.683 χ^2/NDF : 48.7/19

All: 54.853+/-11.248 χ^2/NDF : 68.5/37

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 59.870+/-0.011 χ^2/NDF :643097.1/19

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

Left In: 59.419+/-0.011 χ^2/NDF :660421.3/17

Left: 59.651+/-0.008 χ^2/NDF : 1304319.4/37

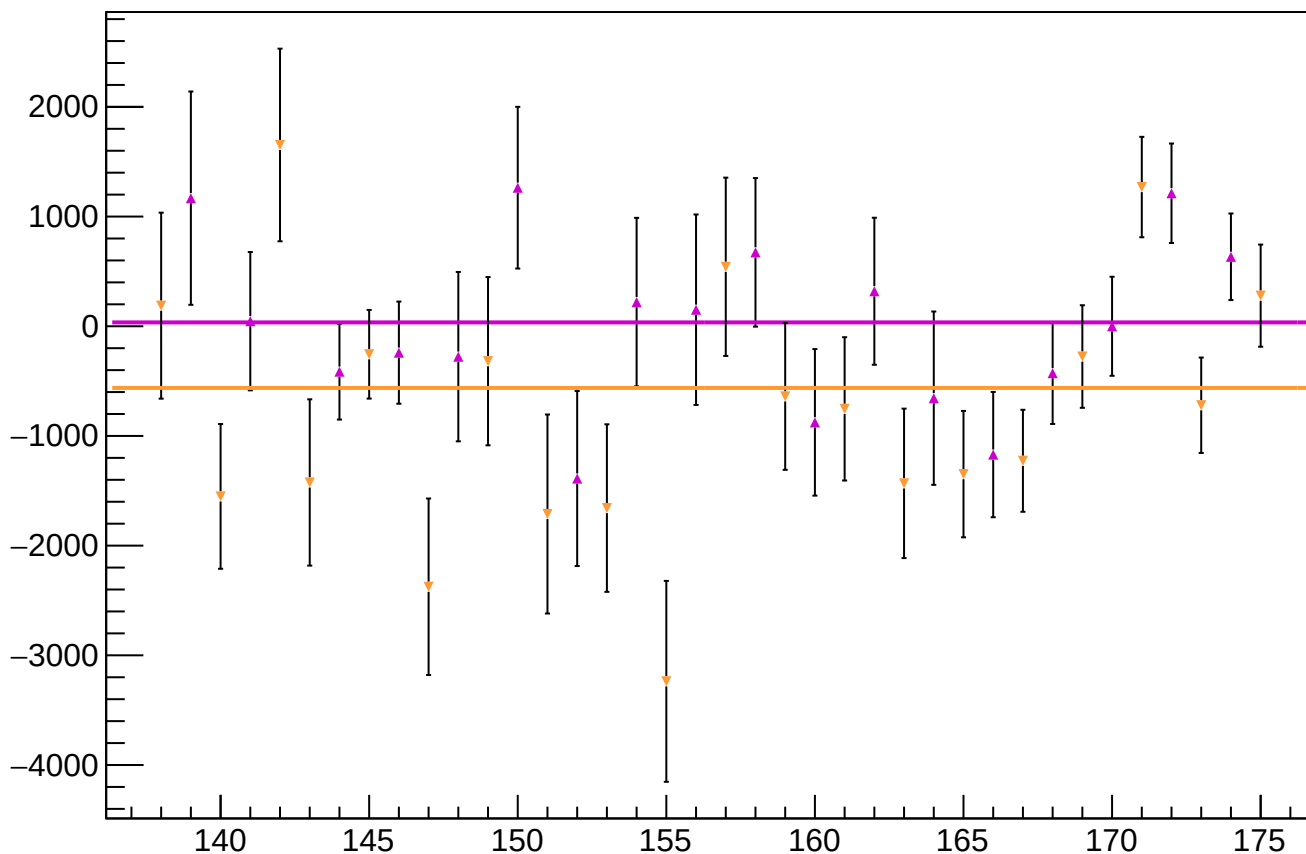
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 59.419+/-0.011 χ^2/NDF :660421.3/17

Out: 59.870+/-0.011 χ^2/NDF :643097.1/19

All: 59.651+/-0.008 χ^2/NDF : 1304319.4/37

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -562.182+/-134.424 χ^2/NDF :55.9/19

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

Left In: 35.121+/-136.455 χ^2/NDF :27.2/17

Left: -268.008+/-95.762 χ^2/NDF : 92.8/37

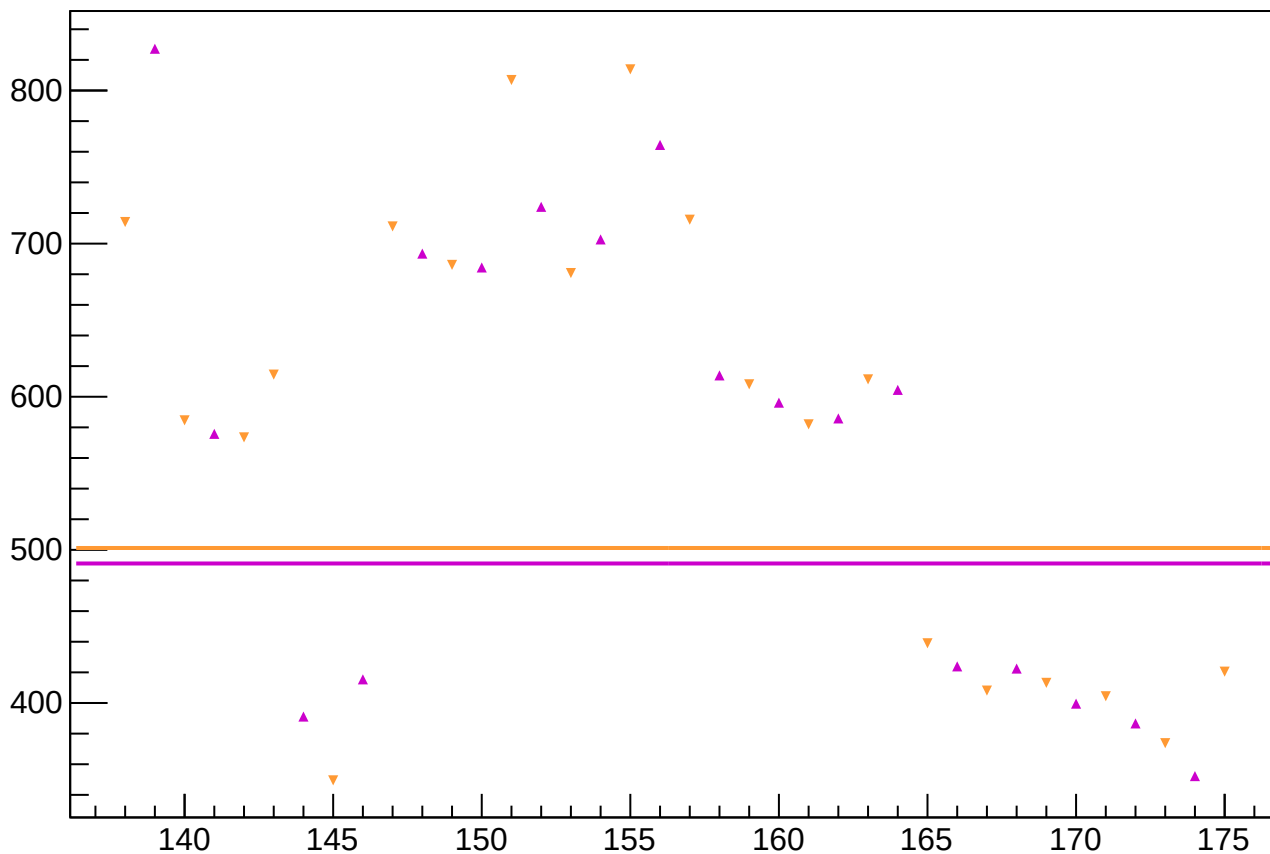
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 35.121+/-136.455 χ^2/NDF :27.2/17

Out: -562.182+/-134.424 χ^2/NDF :55.9/19

All: -268.008+/-95.762 χ^2/NDF : 92.8/37

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 501.226+/-0.095 χ^2/NDF :2090301.0/19

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

Left In: 491.107+/-0.096 χ^2/NDF :1932419.0/17

Left: 496.243+/-0.068 χ^2/NDF : 4028301.5/37

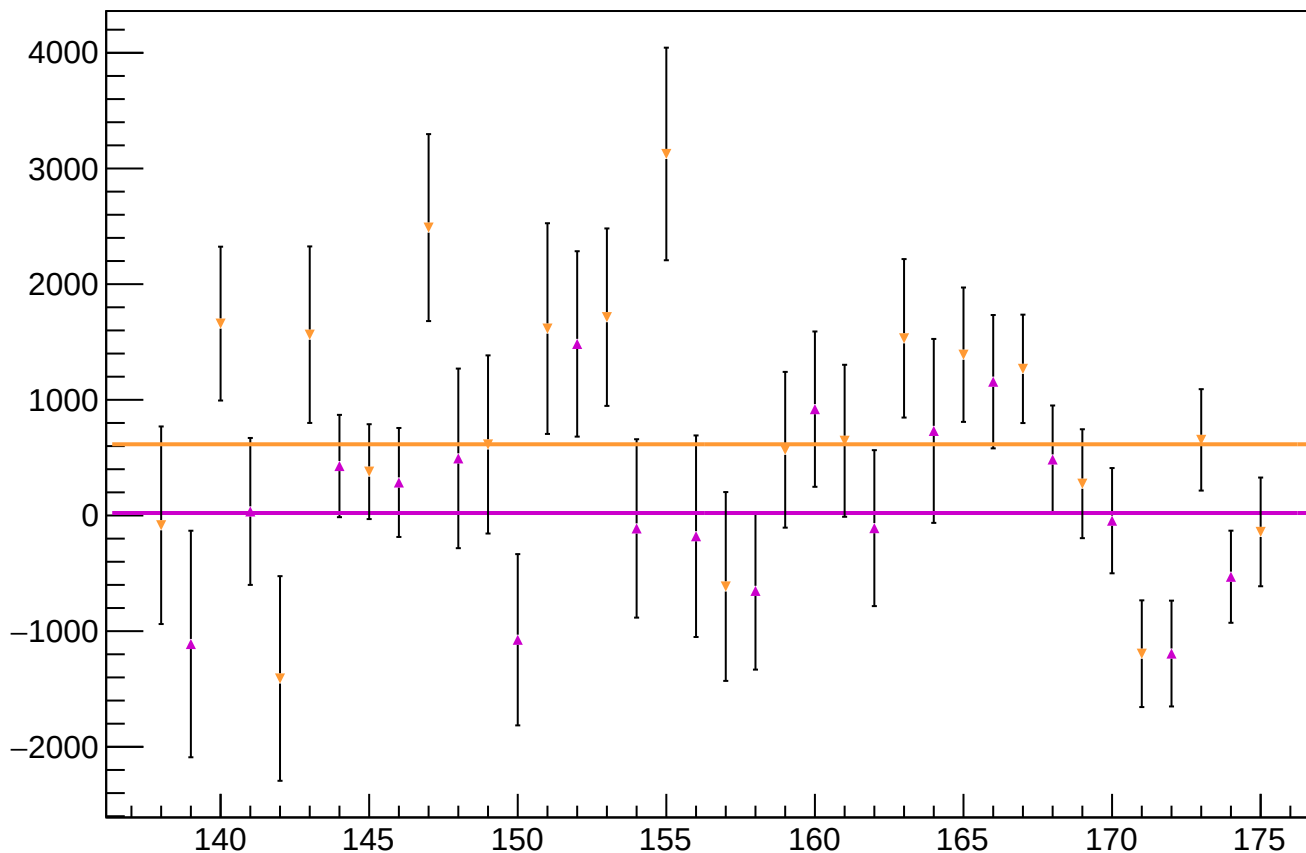
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 491.107+/-0.096 χ^2/NDF :1932419.0/17

Out: 501.226+/-0.095 χ^2/NDF :2090301.0/19

All: 496.243+/-0.068 χ^2/NDF : 4028301.5/37

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 615.715+/-135.466 χ^2/NDF :52.6/19

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

Left In: 21.515+/-137.551 χ^2/NDF :25.9/17

Left: 323.152+/-96.518 χ^2/NDF : 88.0/37

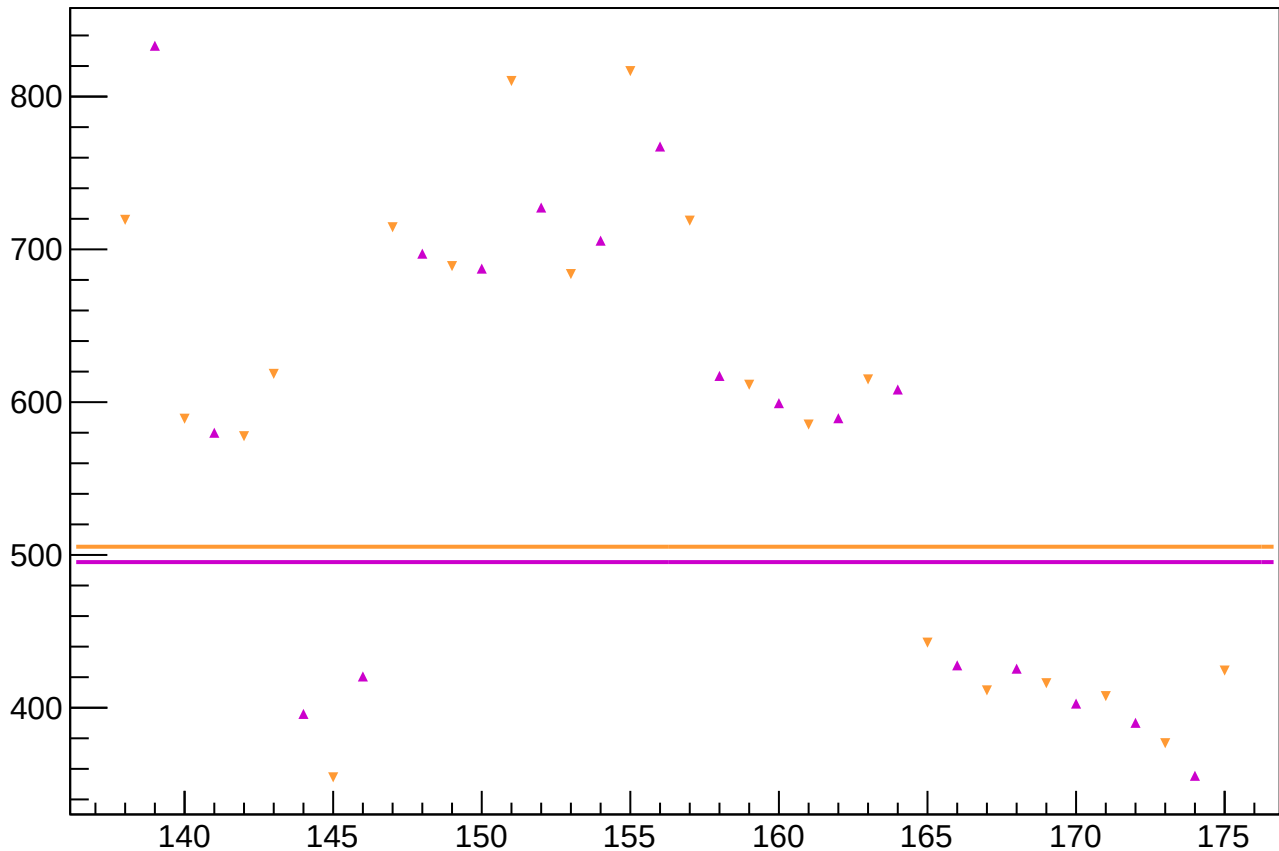
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 21.515+/-137.551 χ^2/NDF :25.9/17

Out: 615.715+/-135.466 χ^2/NDF :52.6/19

All: 323.152+/-96.518 χ^2/NDF : 88.0/37

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 505.390+/-0.096 χ^2/NDF :2059209.0/19

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

Left In: 495.324+/-0.097 χ^2/NDF :1905308.4/17

Left: 500.434+/-0.068 χ^2/NDF : 3969954.4/37

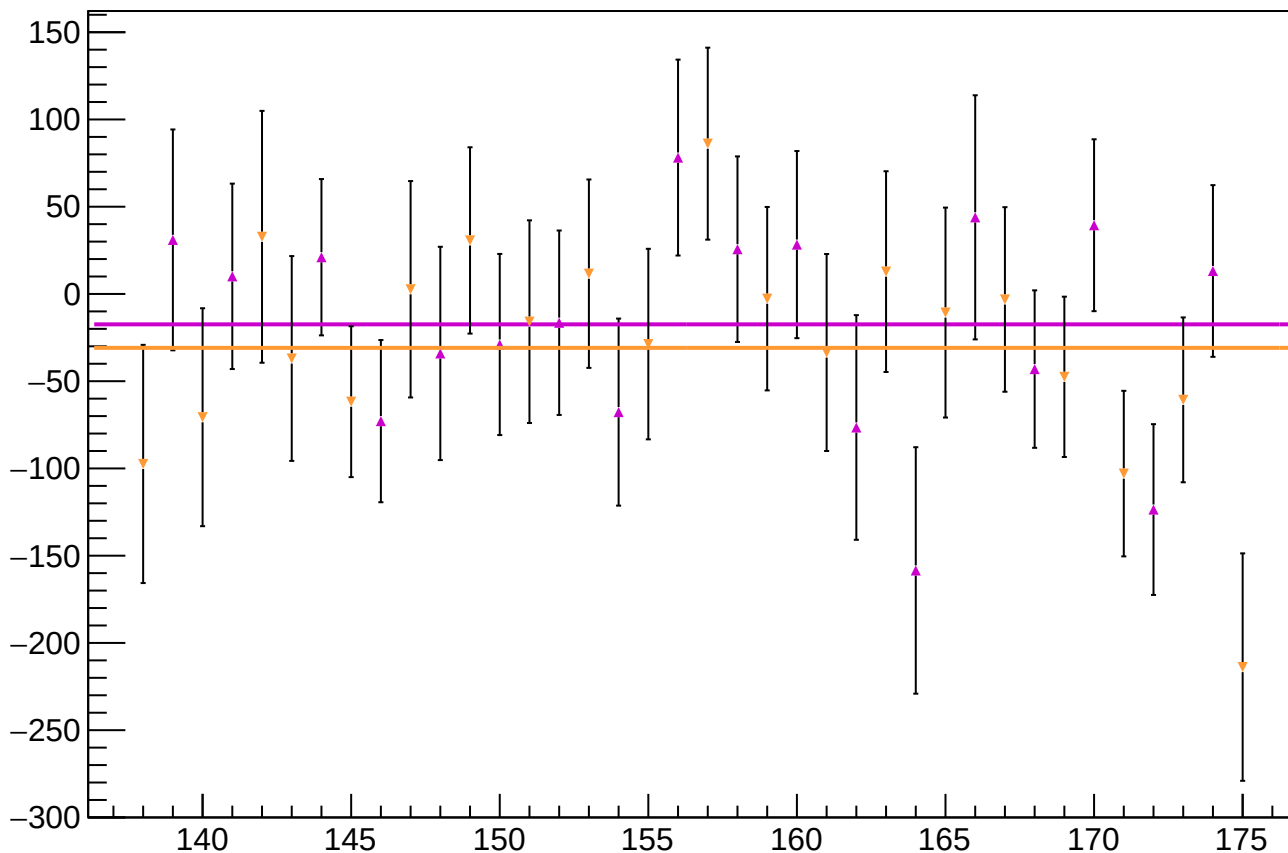
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 495.324+/-0.097 χ^2/NDF :1905308.4/17

Out: 505.390+/-0.096 χ^2/NDF :2059209.0/19

All: 500.434+/-0.068 χ^2/NDF : 3969954.4/37

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -30.894+/-12.293 χ^2/NDF :21.5/19

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

Left In: -17.418+/-12.590 χ^2/NDF :20.6/17

Left: -24.317+/-8.795 χ^2/NDF : 42.7/37

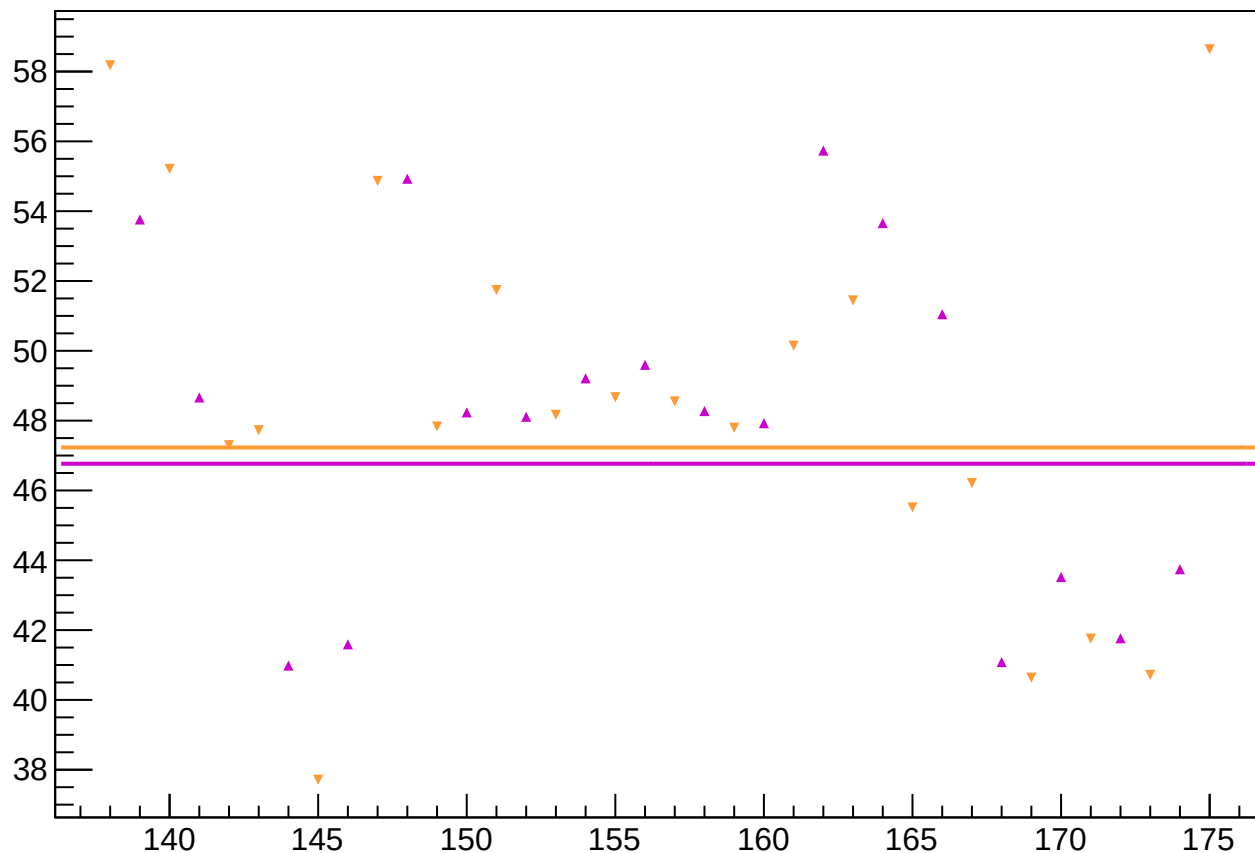
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.418+/-12.590 χ^2/NDF :20.6/17

Out: -30.894+/-12.293 χ^2/NDF :21.5/19

All: -24.317+/-8.795 χ^2/NDF : 42.7/37

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: 47.231+/-0.009 χ^2/NDF :412661.2/19

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

Left In: 46.766+/-0.009 χ^2/NDF :269711.9/17

Left: 47.004+/-0.006 χ^2/NDF : 683771.7/37

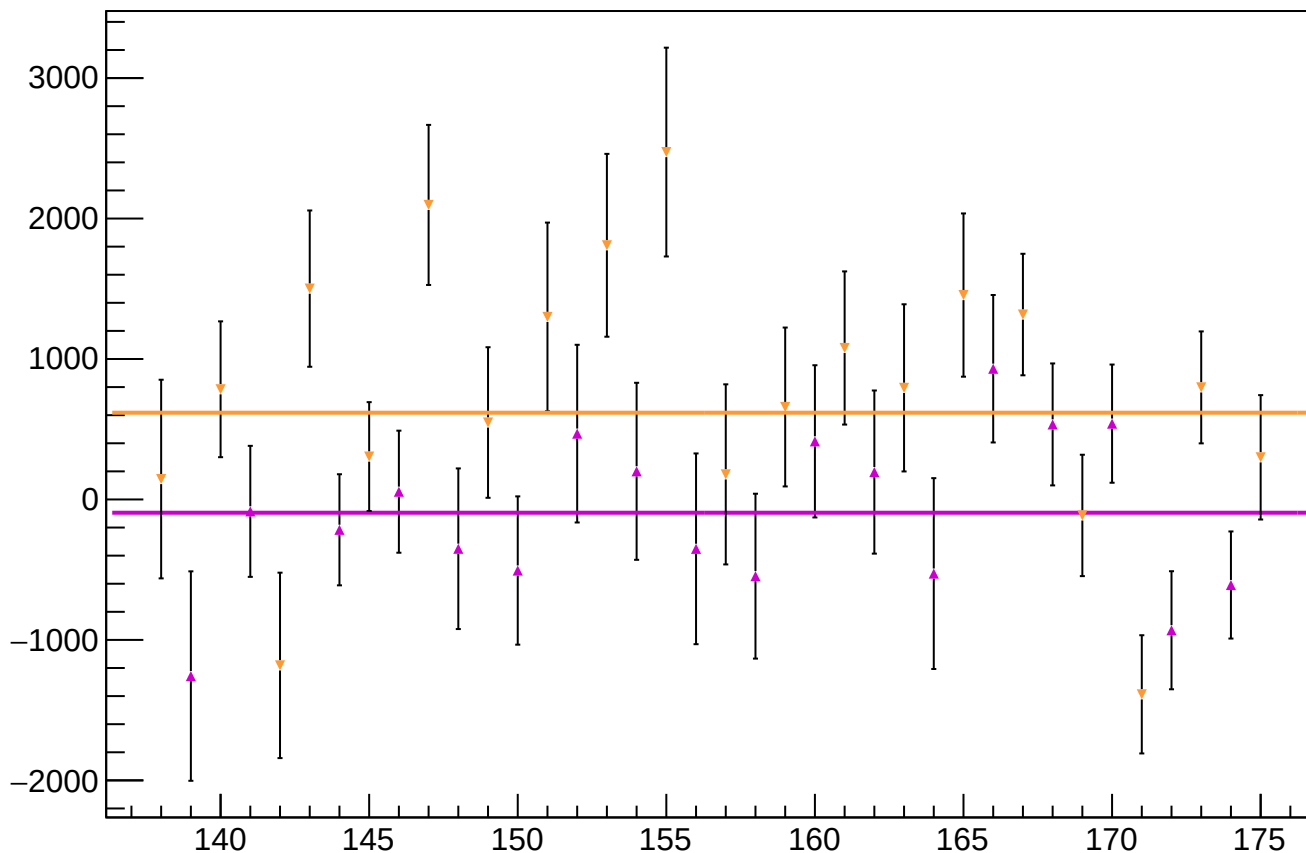
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 46.766+/-0.009 χ^2/NDF :269711.9/17

Out: 47.231+/-0.009 χ^2/NDF :412661.2/19

All: 47.004+/-0.006 χ^2/NDF : 683771.7/37

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: 617.703+/-116.357 χ^2/NDF : 60.8/19

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

Left In: -94.459+/-119.114 χ^2/NDF : 20.7/17

Left: 269.960+/-83.235 χ^2/NDF : 99.8/37

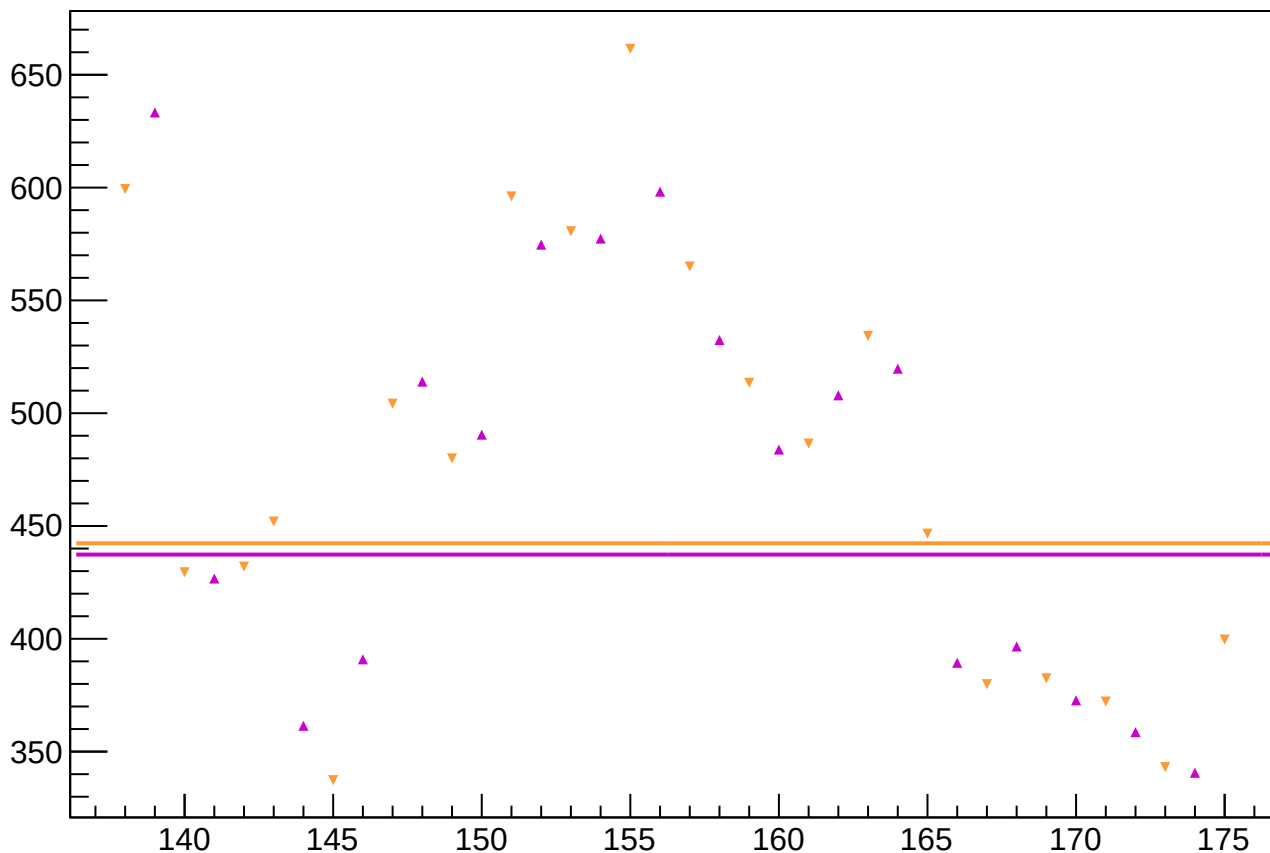
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -94.459+/-119.114 χ^2/NDF : 20.7/17

Out: 617.703+/-116.357 χ^2/NDF : 60.8/19

All: 269.960+/-83.235 χ^2/NDF : 99.8/37

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: 442.349+/-0.082 χ^2/NDF :1094446.3/19

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

Left In: 437.332+/-0.084 χ^2/NDF :1003806.5/17

Left: 439.899+/-0.059 χ^2/NDF : 2100068.2/37

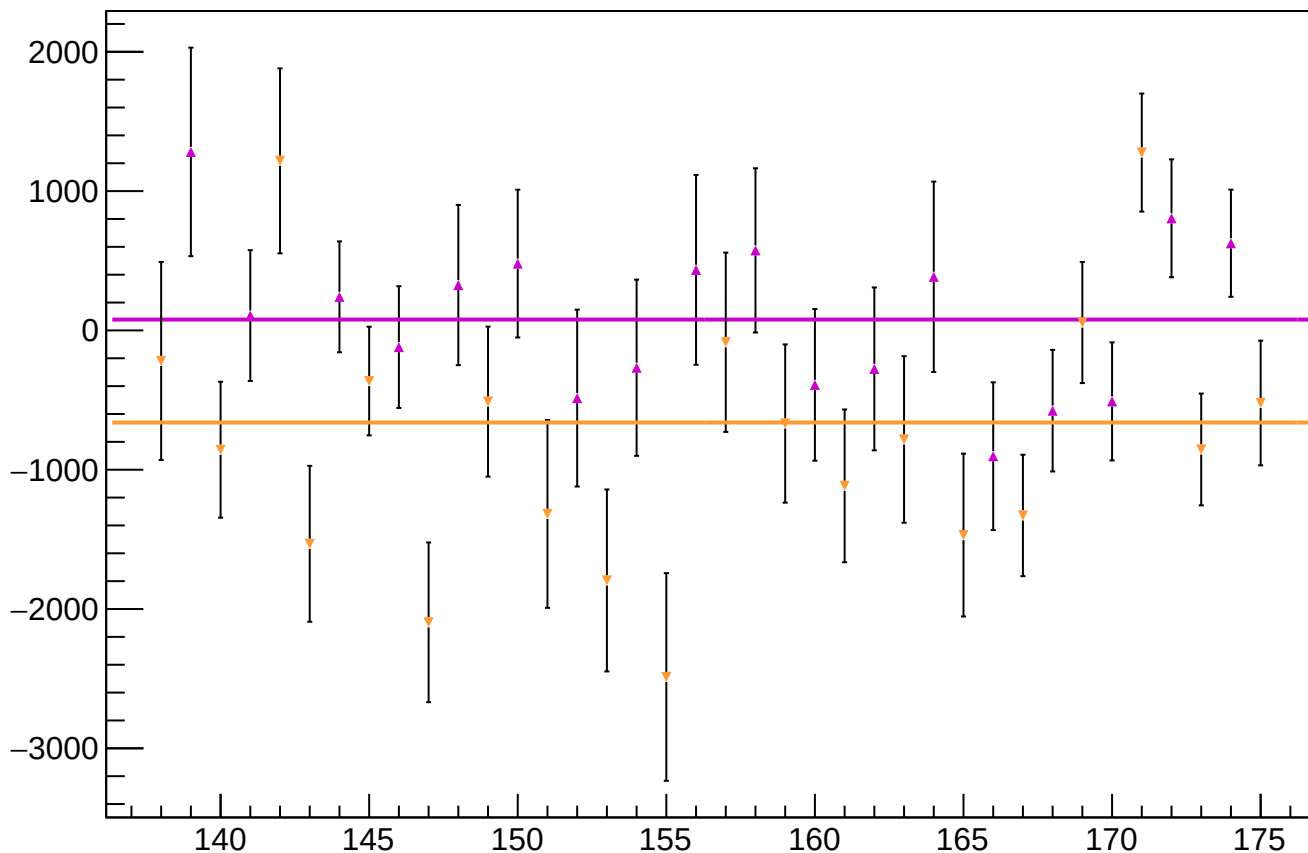
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 437.332+/-0.084 χ^2/NDF :1003806.5/17

Out: 442.349+/-0.082 χ^2/NDF :1094446.3/19

All: 439.899+/-0.059 χ^2/NDF : 2100068.2/37

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -661.259+/-117.087 χ^2/NDF :57.6/19

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

Left In: 77.922+/-119.850 χ^2/NDF :19.7/17

Left: -300.288+/-83.753 χ^2/NDF : 96.8/37

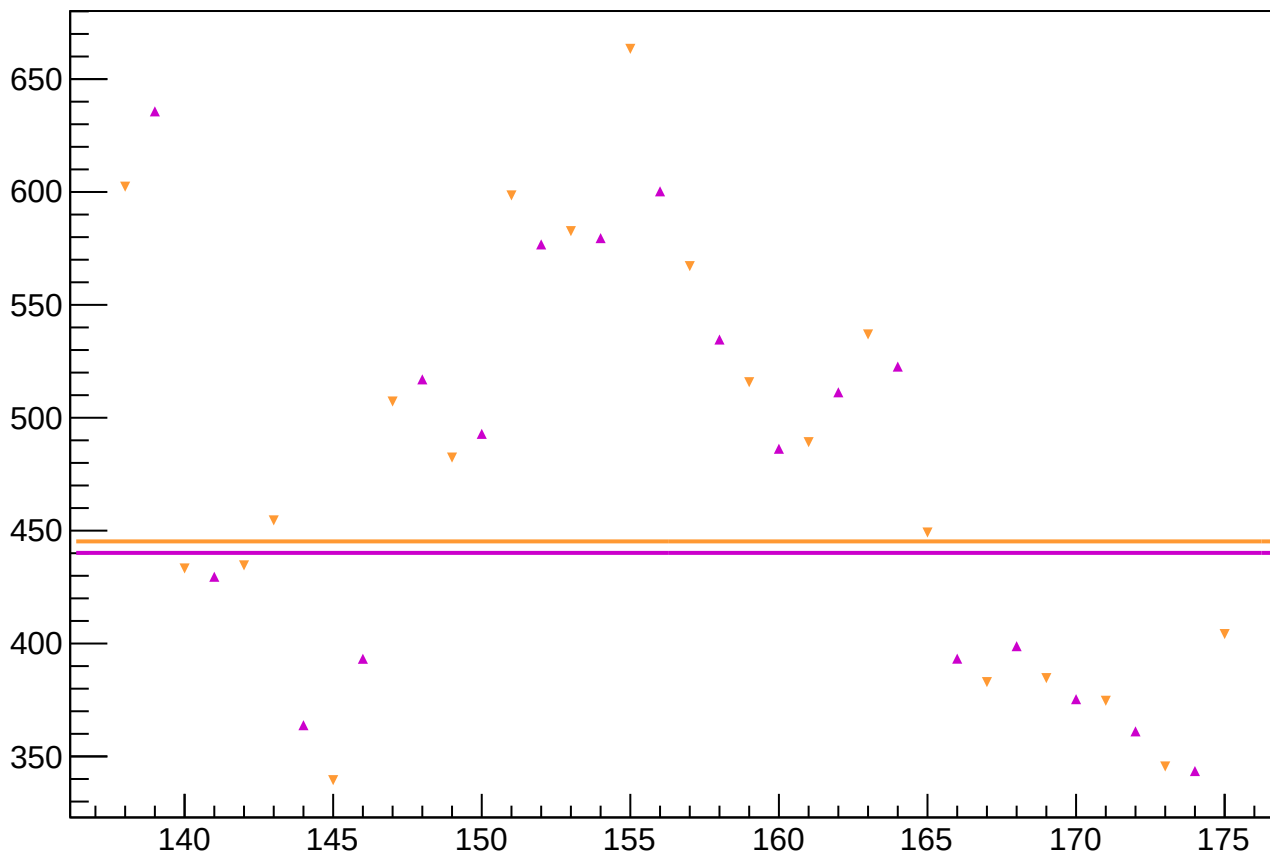
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 77.922+/-119.850 χ^2/NDF :19.7/17

Out: -661.259+/-117.087 χ^2/NDF :57.6/19

All: -300.288+/-83.753 χ^2/NDF : 96.8/37

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 445.237+/-0.083 χ^2/NDF :1081158.3/19

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

Left In: 440.147+/-0.085 χ^2/NDF :990810.4/17

Left: 442.751+/-0.059 χ^2/NDF : 2073814.8/37

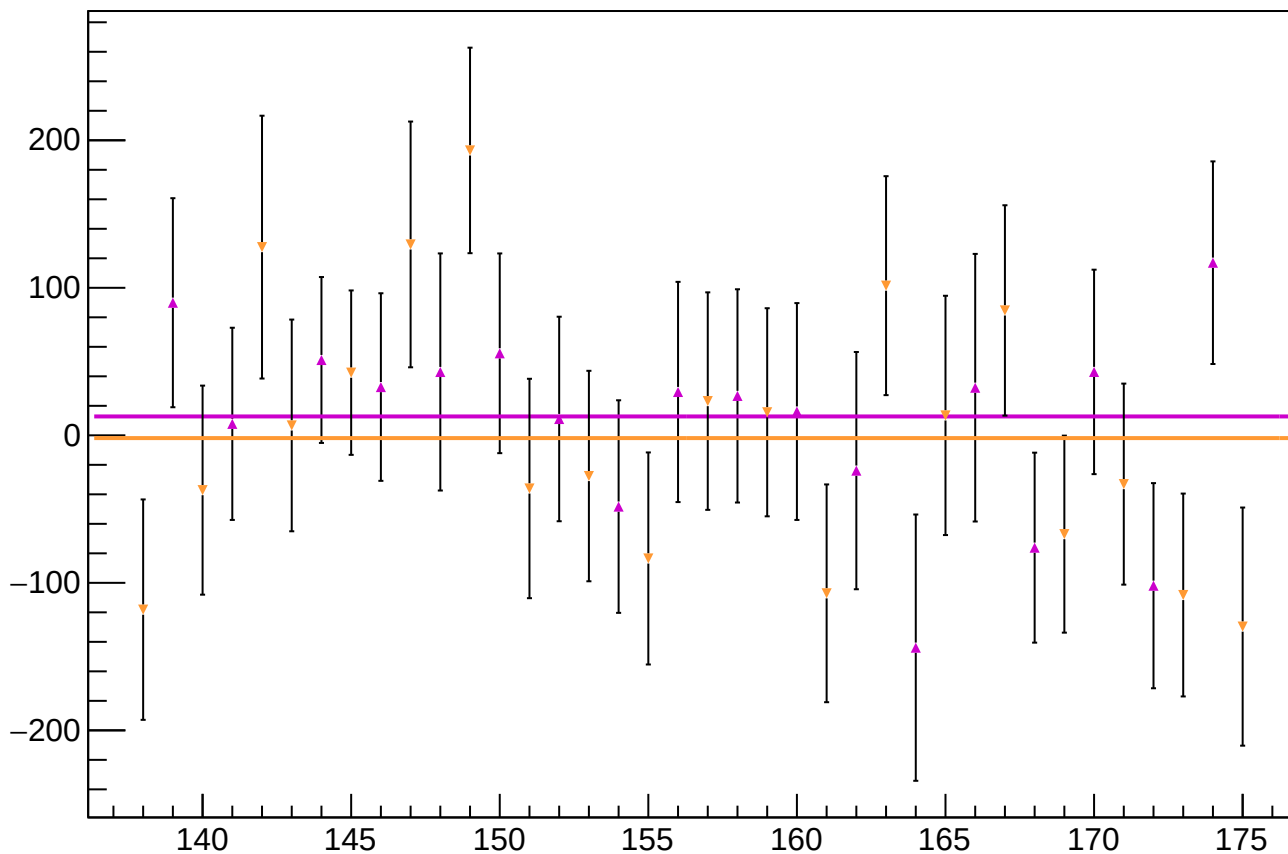
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 440.147+/-0.085 χ^2/NDF :990810.4/17

Out: 445.237+/-0.083 χ^2/NDF :1081158.3/19

All: 442.751+/-0.059 χ^2/NDF : 2073814.8/37

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -1.879+/-16.127 χ^2/NDF : 29.1/19

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

Left In: 12.800+/-16.677 χ^2/NDF : 13.5/17

Left: 5.214+/-11.593 χ^2/NDF : 43.0/37

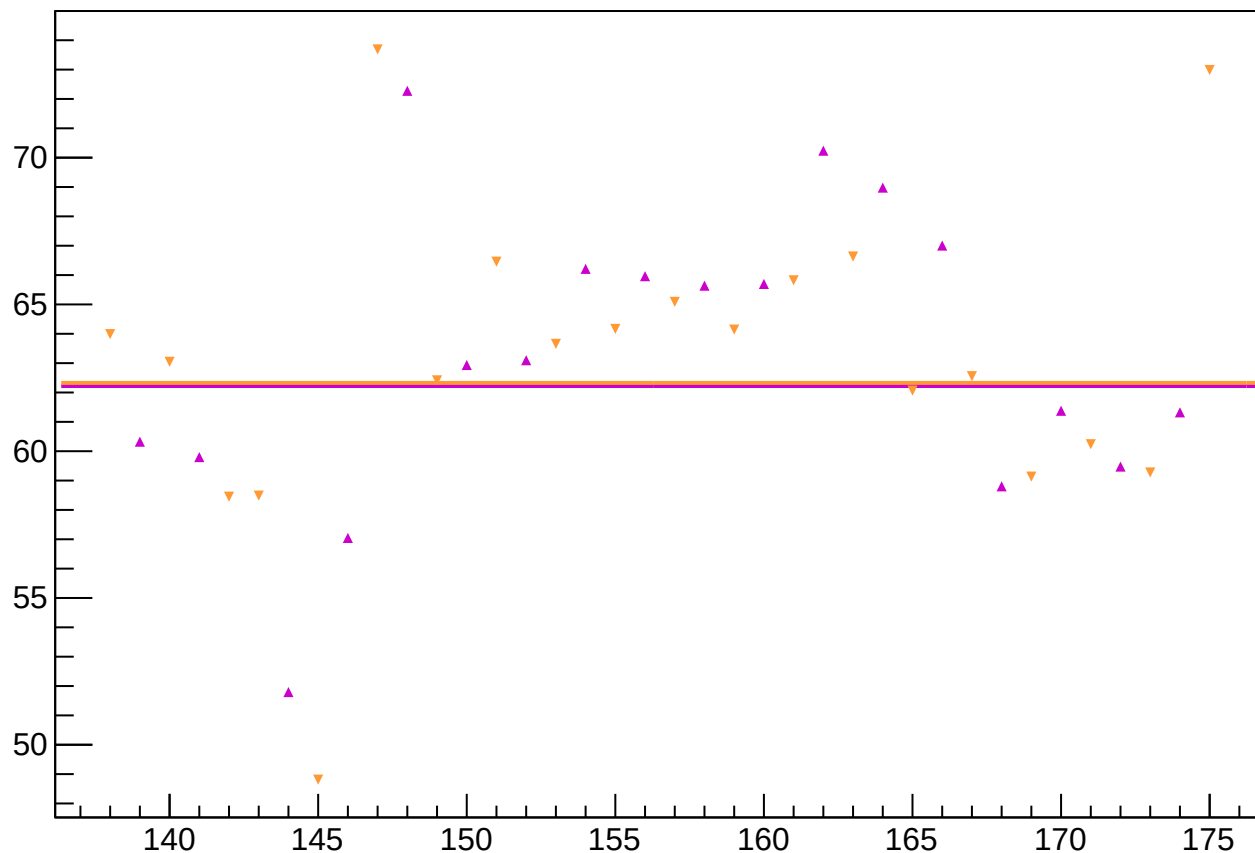
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 12.800+/-16.677 χ^2/NDF : 13.5/17

Out: -1.879+/-16.127 χ^2/NDF : 29.1/19

All: 5.214+/-11.593 χ^2/NDF : 43.0/37

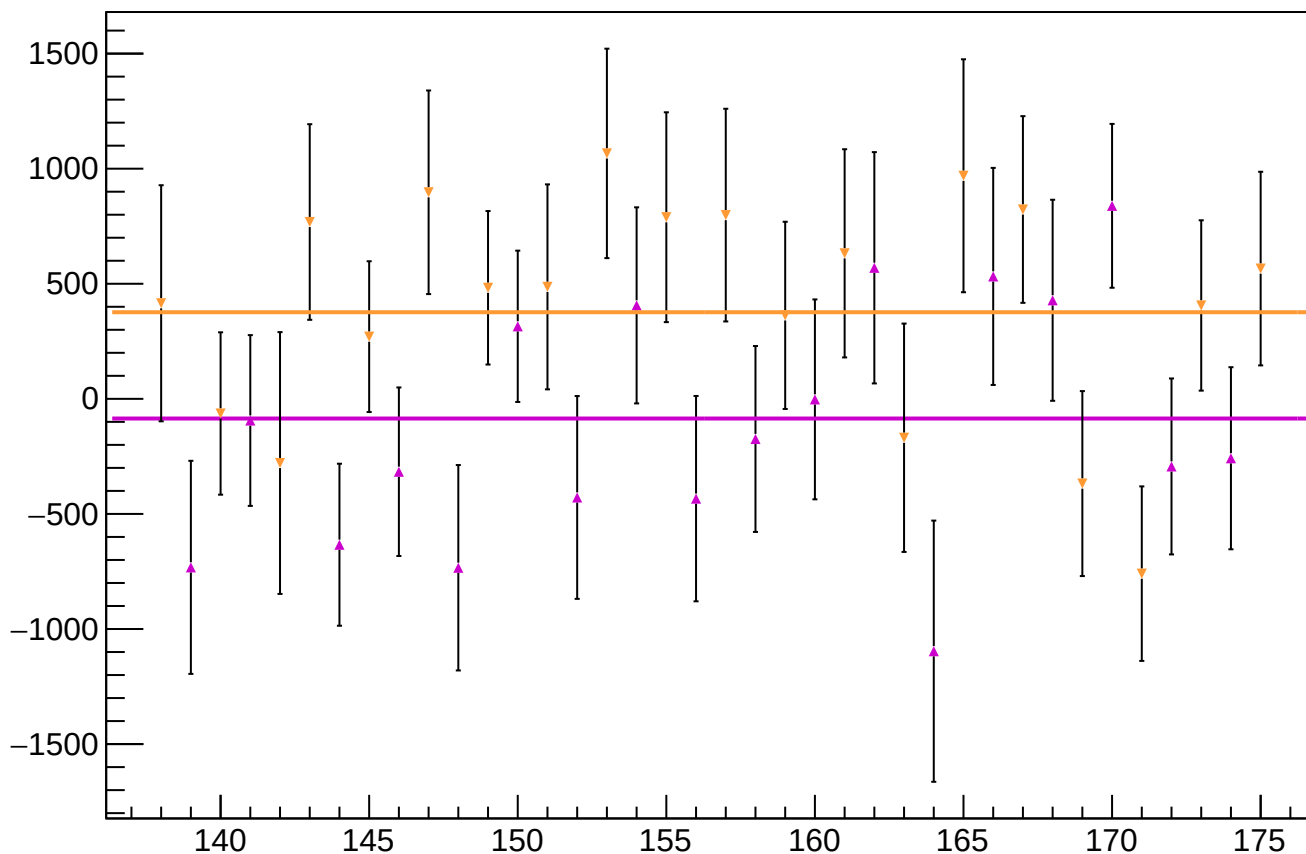
reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 62.327+/-0.011 χ^2/NDF :234389.2/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 62.221+/-0.012 χ^2/NDF :184215.8/17

Left: 62.276+/-0.008 χ^2/NDF : 418646.5/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 62.221+/-0.012 χ^2/NDF :184215.8/17
 Out: 62.327+/-0.011 χ^2/NDF :234389.2/19
 All: 62.276+/-0.008 χ^2/NDF : 418646.5/37

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: 376.279+/-93.516 χ^2/NDF :26.1/19

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

Left In: -85.497+/-96.767 χ^2/NDF :26.2/17

Left: 153.280+/-67.246 χ^2/NDF : 64.1/37

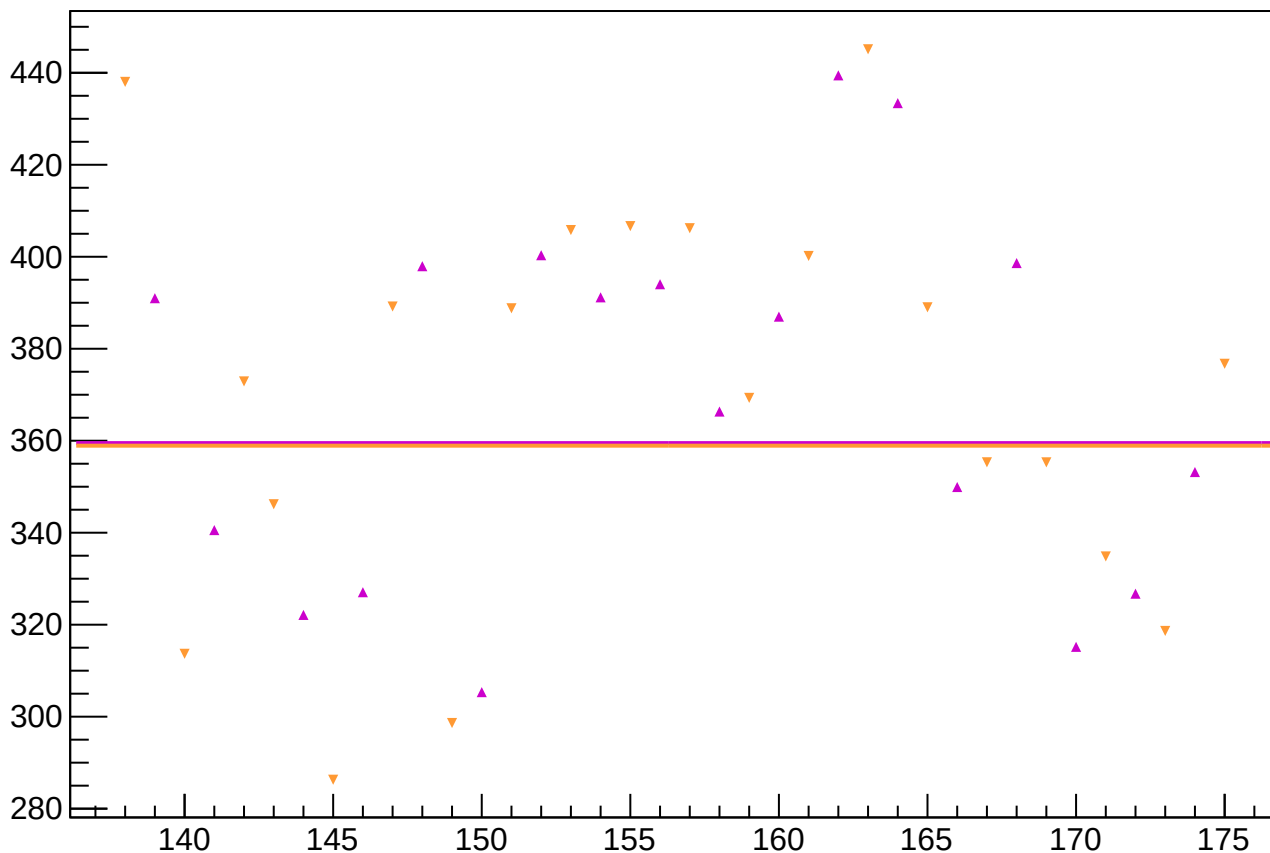
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -85.497+/-96.767 χ^2/NDF :26.2/17

Out: 376.279+/-93.516 χ^2/NDF :26.1/19

All: 153.280+/-67.246 χ^2/NDF : 64.1/37

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 358.925+/-0.066 χ^2/NDF : 450739.5/19

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

Left In: 359.480+/-0.068 χ^2/NDF : 318277.1/17

Left: 359.193+/-0.048 χ^2/NDF : 769050.6/37

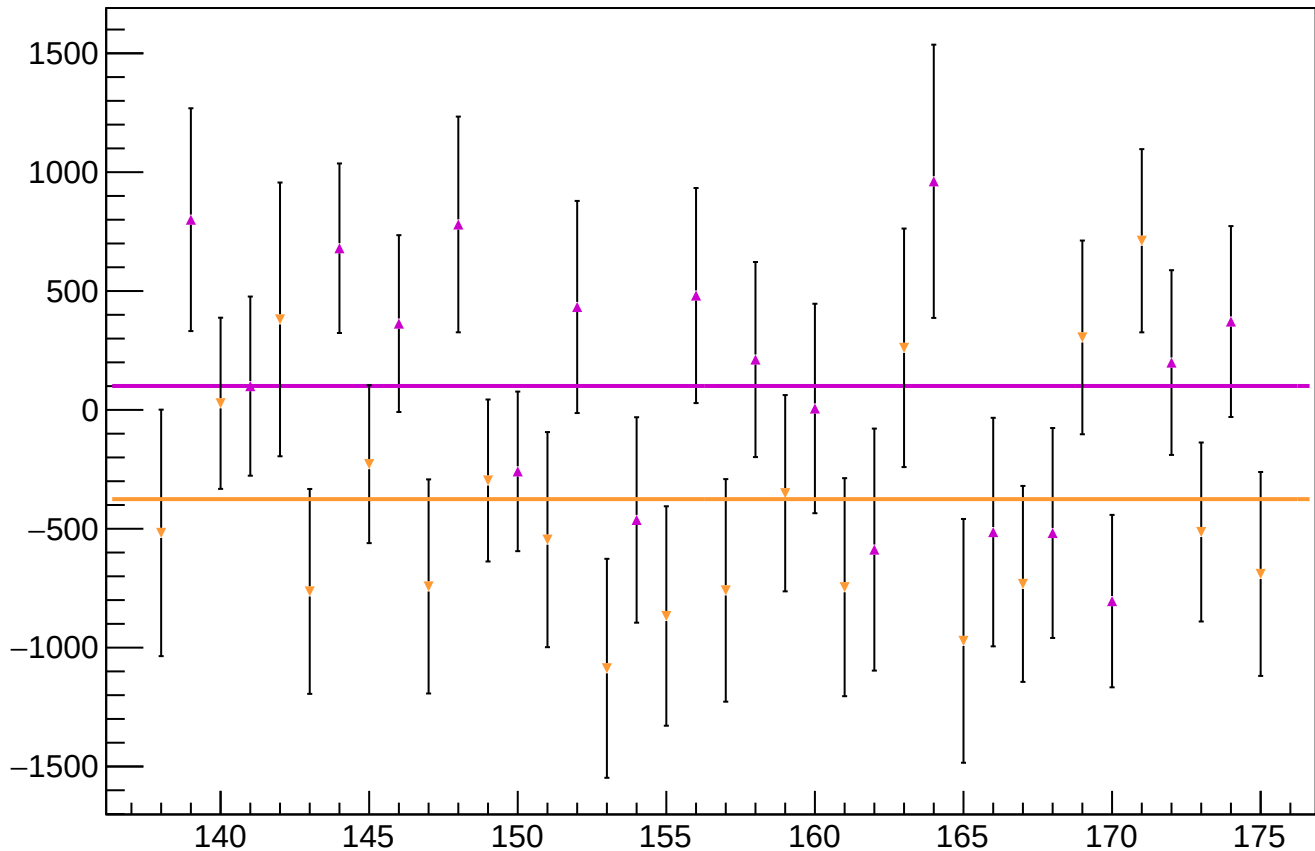
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 359.480+/-0.068 χ^2/NDF : 318277.1/17

Out: 358.925+/-0.066 χ^2/NDF : 450739.5/19

All: 359.193+/-0.048 χ^2/NDF : 769050.6/37

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -375.322 ± 94.990 $\chi^2/\text{NDF}: 24.9/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 100.644 ± 98.268 $\chi^2/\text{NDF}: 26.3/17$

Left: -145.411 ± 68.297 $\chi^2/\text{NDF}: 63.3/37$

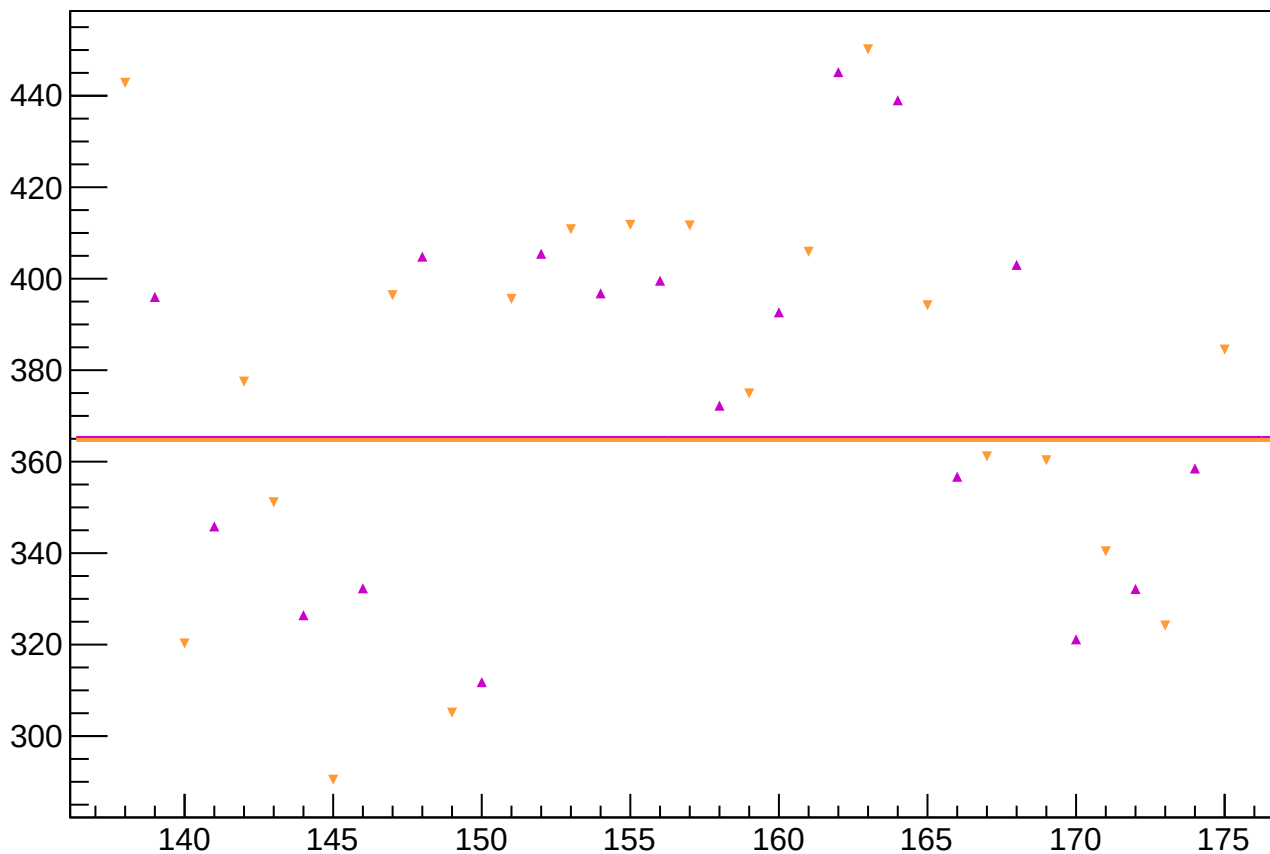
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 100.644 ± 98.268 $\chi^2/\text{NDF}: 26.3/17$

Out: -375.322 ± 94.990 $\chi^2/\text{NDF}: 24.9/19$

All: -145.411 ± 68.297 $\chi^2/\text{NDF}: 63.3/37$

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 364.746+/-0.067 χ^2/NDF : 437811.9/19

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

Left In: 365.171+/-0.069 χ^2/NDF : 308119.1/17

Left: 364.951+/-0.048 χ^2/NDF : 745950.4/37

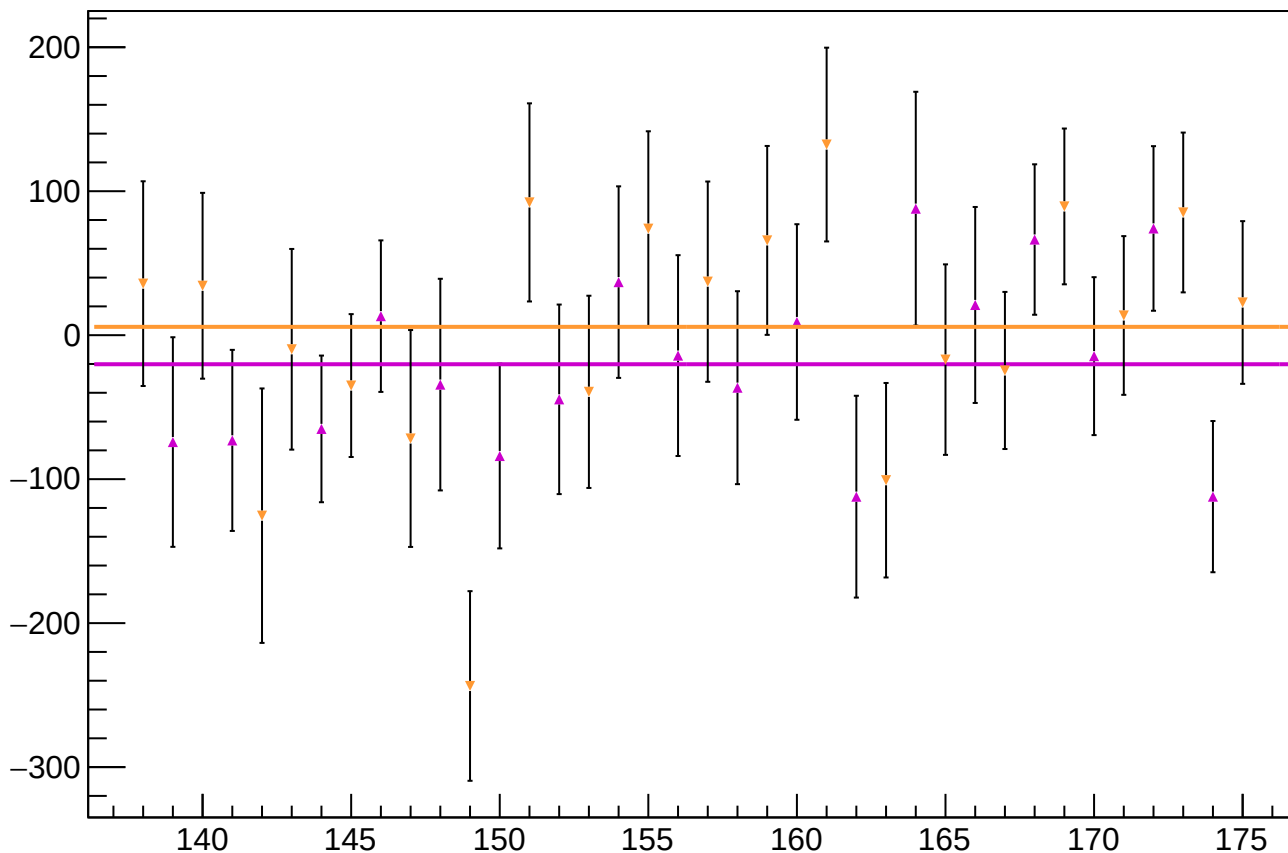
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 365.171+/-0.069 χ^2/NDF : 308119.1/17

Out: 364.746+/-0.067 χ^2/NDF : 437811.9/19

All: 364.951+/-0.048 χ^2/NDF : 745950.4/37

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: 5.788+/-14.155 χ^2/NDF :33.8/19

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

Left In: -20.184+/-14.654 χ^2/NDF :17.0/17

Left: -6.747+/-10.181 χ^2/NDF : 52.4/37

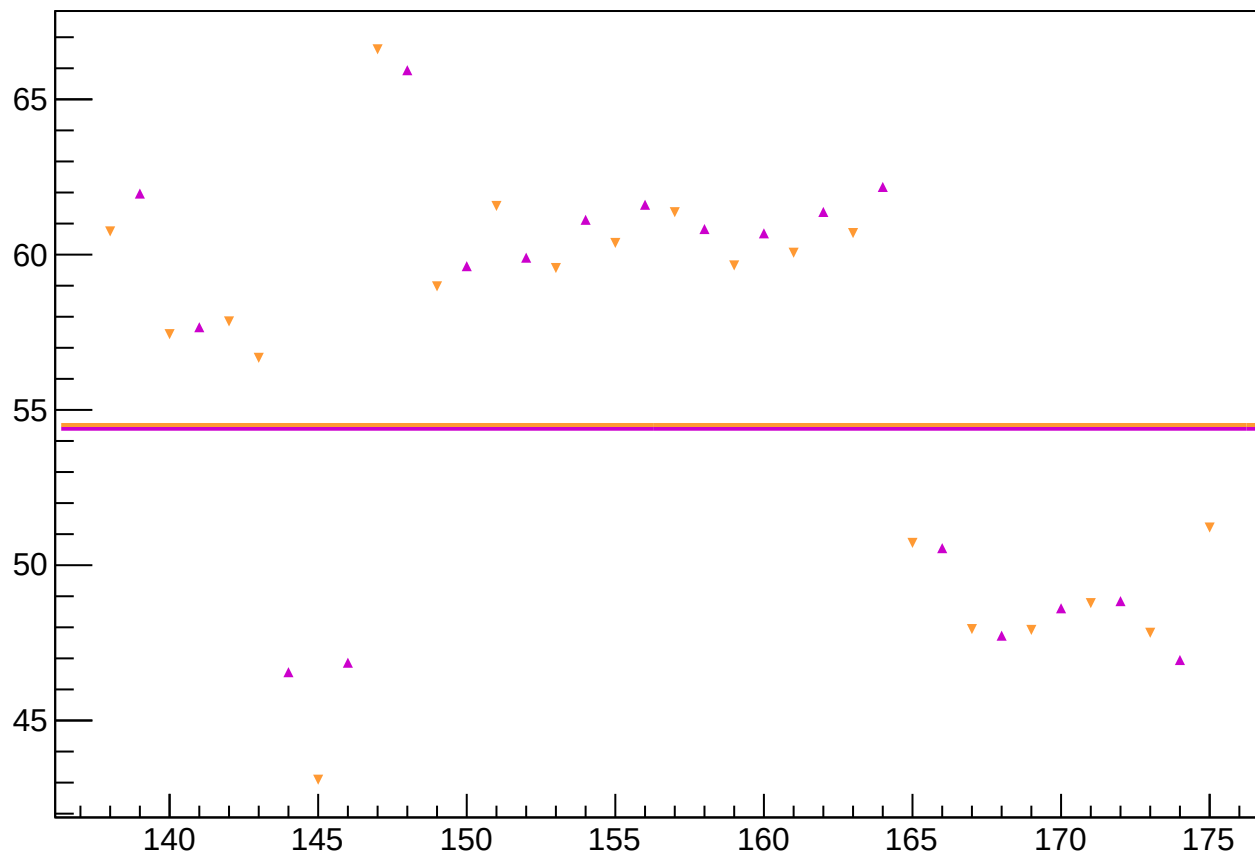
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -20.184+/-14.654 χ^2/NDF :17.0/17

Out: 5.788+/-14.155 χ^2/NDF :33.8/19

All: -6.747+/-10.181 χ^2/NDF : 52.4/37

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: 54.515+/-0.010 χ^2/NDF :423362.4/19

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

Left In: 54.394+/-0.010 χ^2/NDF :427928.1/17

Left: 54.457+/-0.007 χ^2/NDF : 851359.9/37

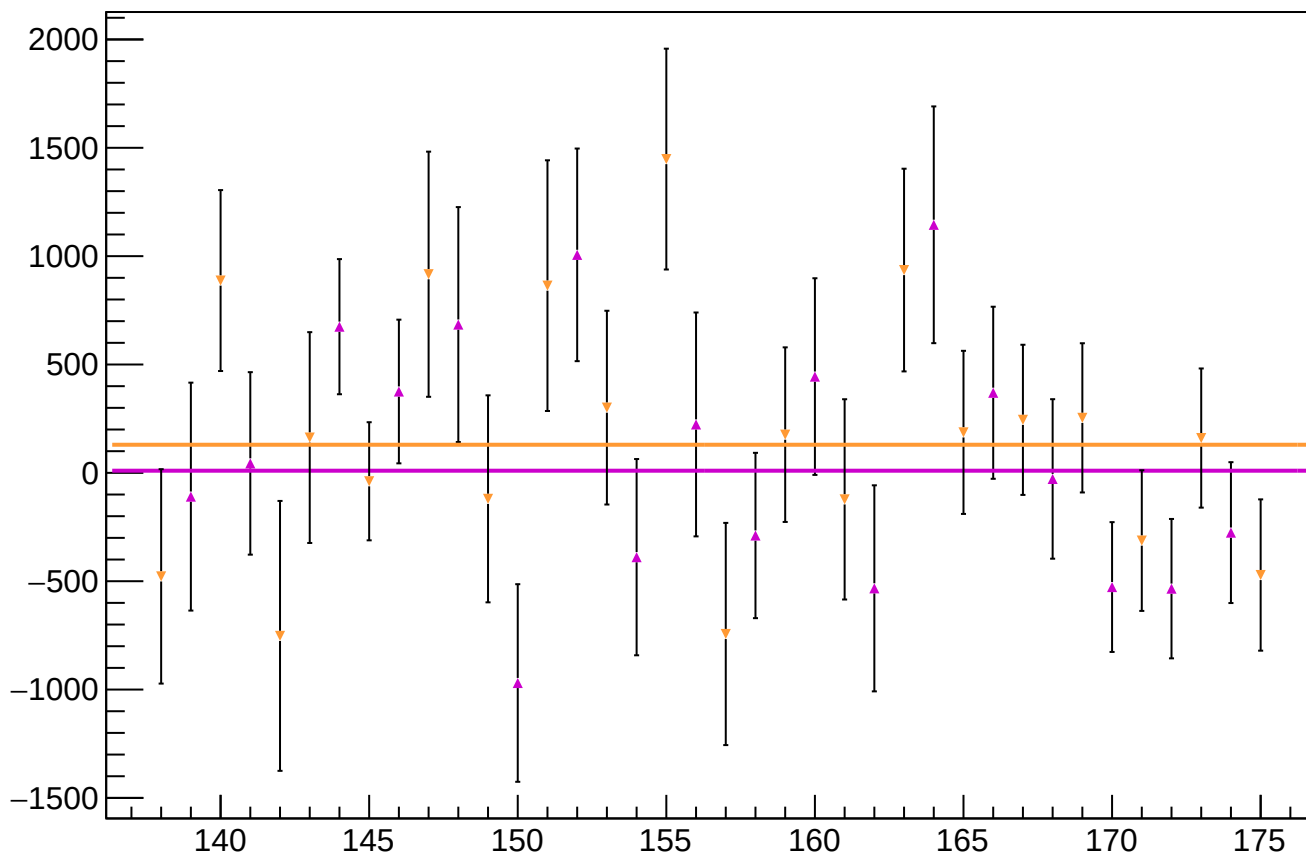
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 54.394+/-0.010 χ^2/NDF :427928.1/17

Out: 54.515+/-0.010 χ^2/NDF :423362.4/19

All: 54.457+/-0.007 χ^2/NDF : 851359.9/37

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 129.730 $\pm$ 91.327 χ^2 /NDF:29.1/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 9.939 $\pm$ 94.012 χ^2 /NDF:31.9/17

Left: 71.570 $\pm$ 65.507 χ^2 /NDF: 61.8/37

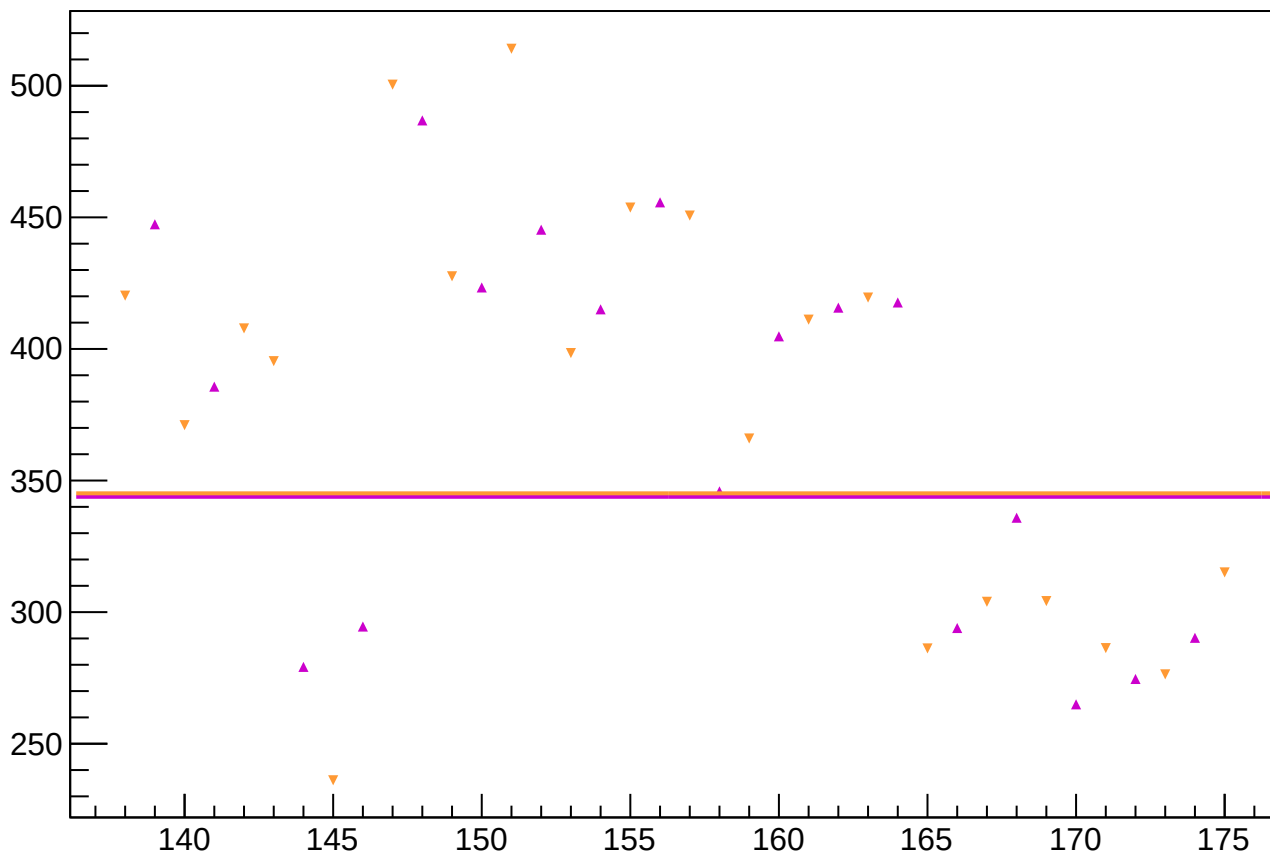
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 9.939 $\pm$ 94.012 χ^2 /NDF:31.9/17

Out: 129.730 $\pm$ 91.327 χ^2 /NDF:29.1/19

All: 71.570 $\pm$ 65.507 χ^2 /NDF: 61.8/37

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: 345.140+/-0.065 χ^2/NDF :1375100.3/19

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

Left In: 343.830+/-0.066 χ^2/NDF :1092883.3/17

Left: 344.504+/-0.046 χ^2/NDF : 2468183.3/37

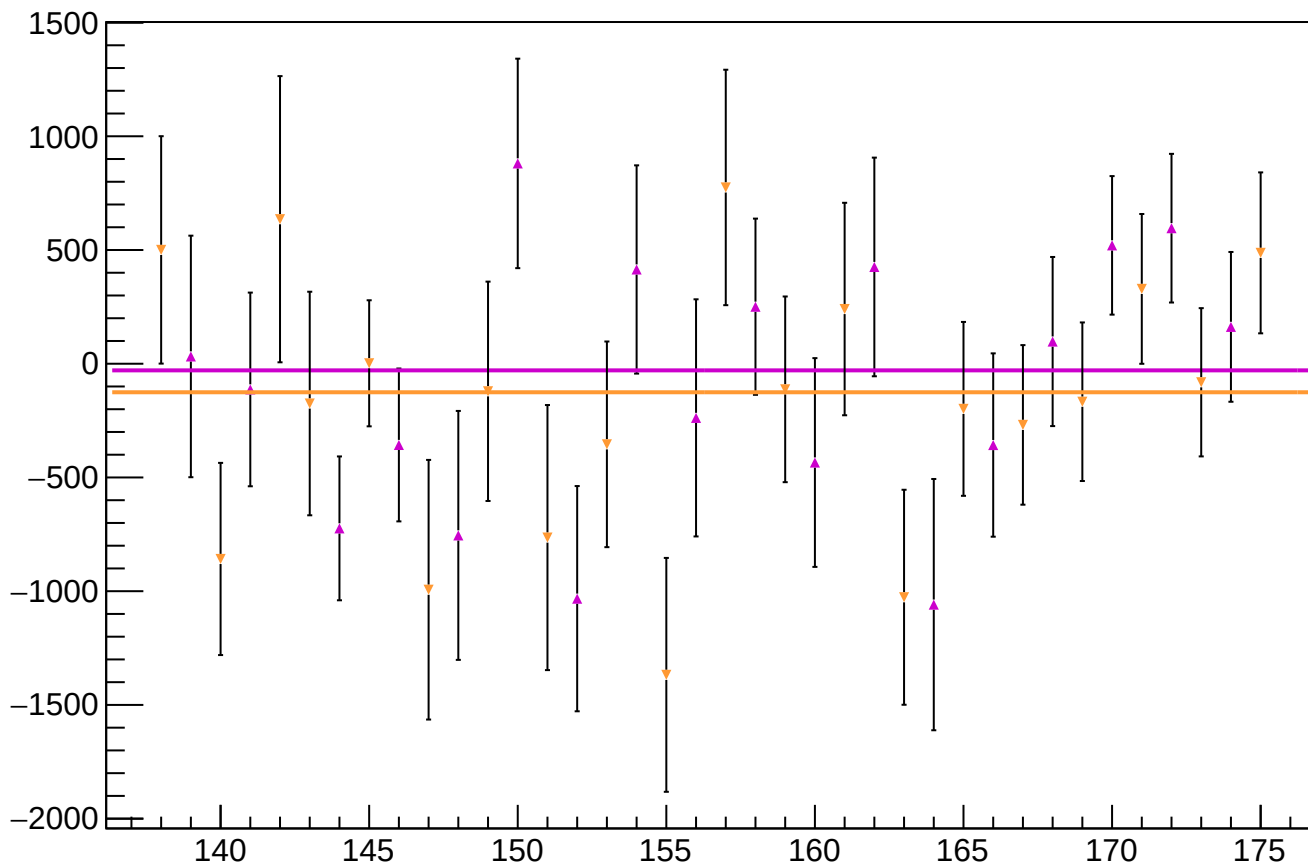
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 343.830+/-0.066 χ^2/NDF :1092883.3/17

Out: 345.140+/-0.065 χ^2/NDF :1375100.3/19

All: 344.504+/-0.046 χ^2/NDF : 2468183.3/37

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -125.446+/-92.484 χ^2/NDF :28.3/19

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

Left In: -29.179+/-95.220 χ^2/NDF :30.4/17

Left: -78.716+/-66.342 χ^2/NDF : 59.2/37

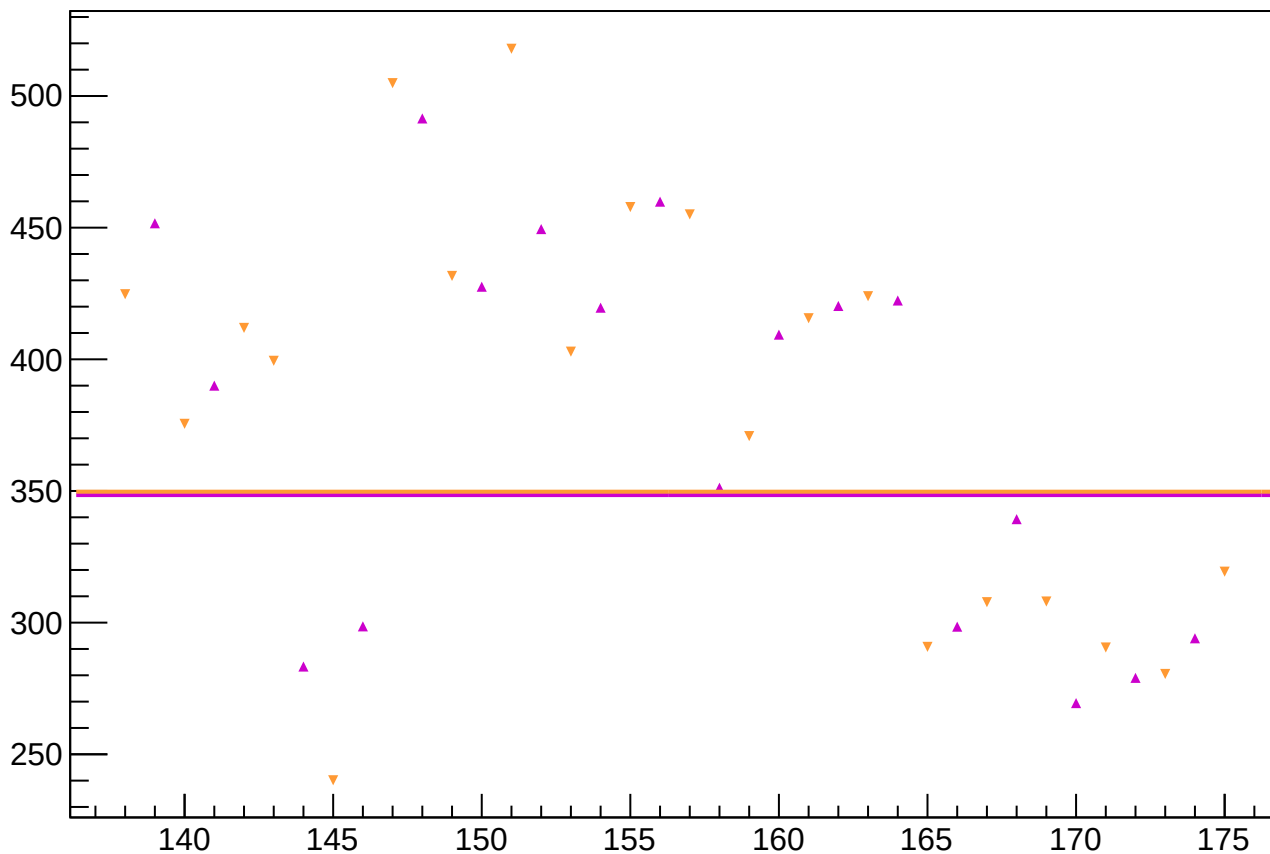
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.179+/-95.220 χ^2/NDF :30.4/17

Out: -125.446+/-92.484 χ^2/NDF :28.3/19

All: -78.716+/-66.342 χ^2/NDF : 59.2/37

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 349.731+/-0.065 χ^2/NDF :1345301.6/19

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

Left In: 348.437+/-0.067 χ^2/NDF :1069348.5/17

Left: 349.103+/-0.047 χ^2/NDF : 2414840.3/37

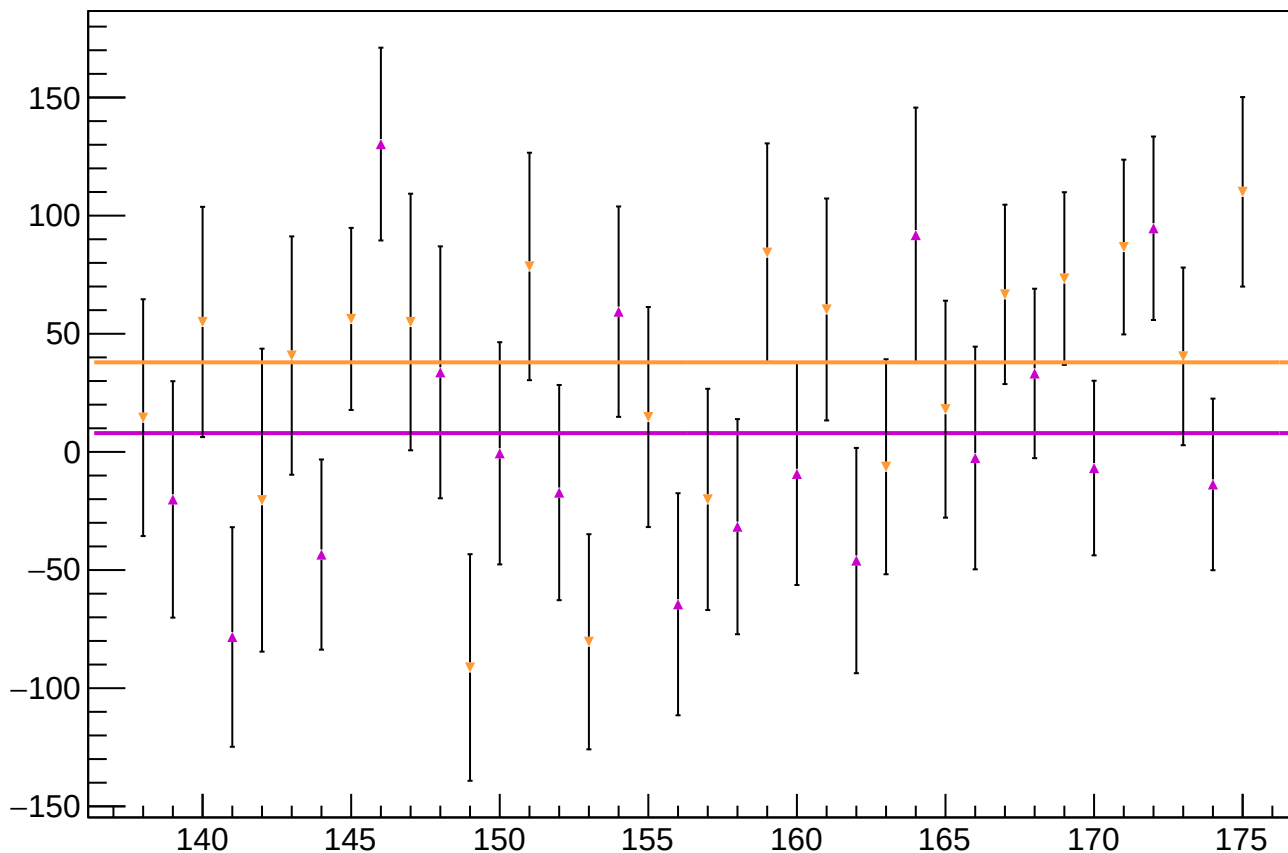
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 348.437+/-0.067 χ^2/NDF :1069348.5/17

Out: 349.731+/-0.065 χ^2/NDF :1345301.6/19

All: 349.103+/-0.047 χ^2/NDF : 2414840.3/37

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 37.920+/-9.942 χ^2/NDF :26.9/19

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

Left In: 7.958+/-10.301 χ^2/NDF :29.3/17

Left: 23.469+/-7.154 χ^2/NDF : 60.5/37

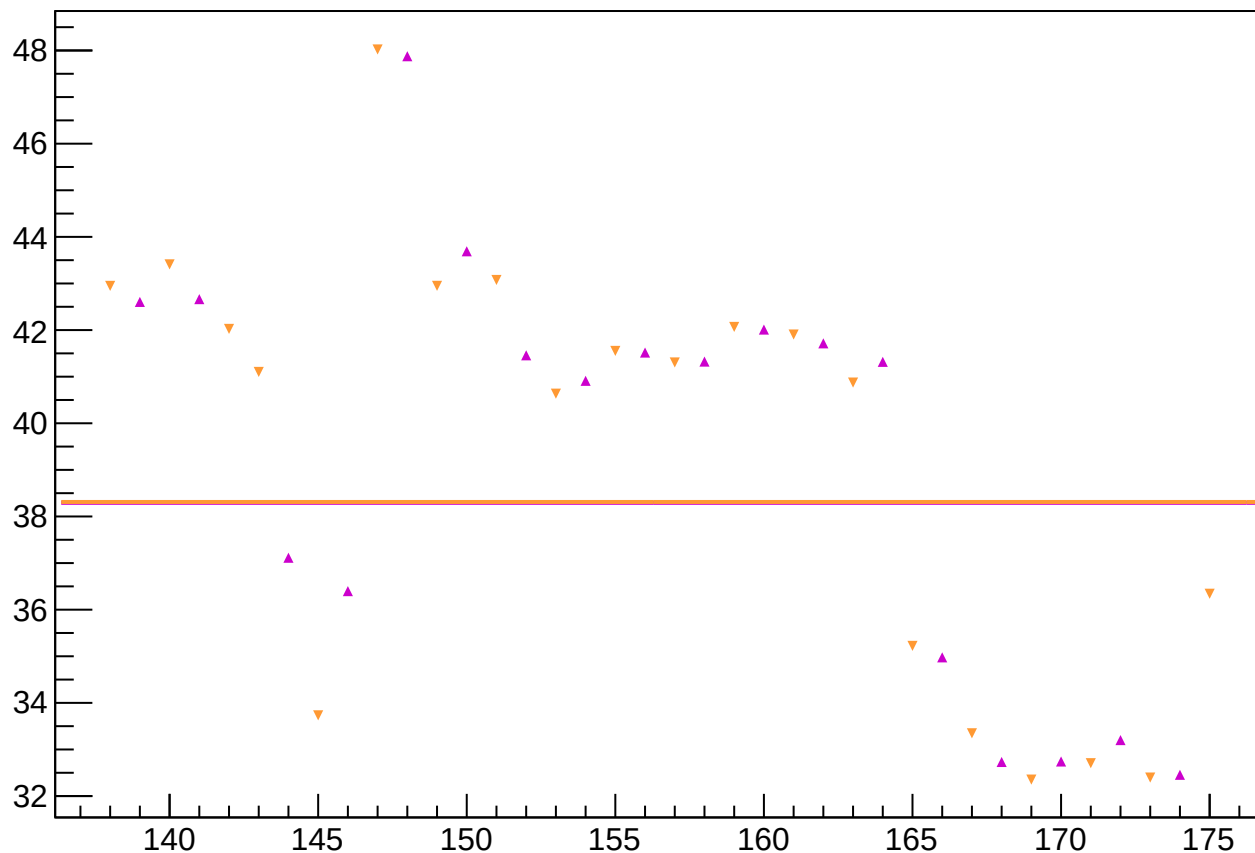
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 7.958+/-10.301 χ^2/NDF :29.3/17

Out: 37.920+/-9.942 χ^2/NDF :26.9/19

All: 23.469+/-7.154 χ^2/NDF : 60.5/37

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: 38.311+/-0.007 χ^2/NDF :433395.1/19

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

Left In: 38.293+/-0.007 χ^2/NDF :382756.0/17

Left: 38.303+/-0.005 χ^2/NDF : 816154.3/37

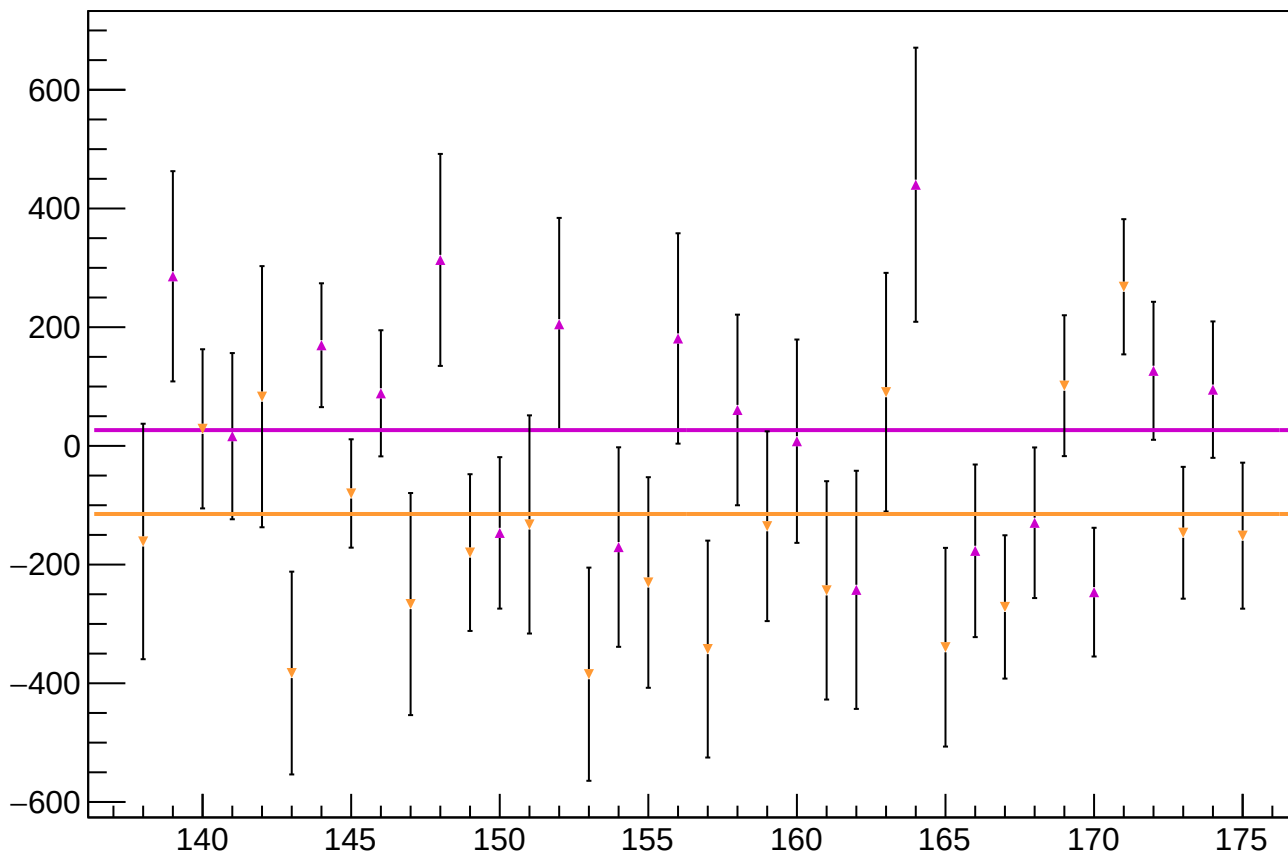
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.293+/-0.007 χ^2/NDF :382756.0/17

Out: 38.311+/-0.007 χ^2/NDF :433395.1/19

All: 38.303+/-0.005 χ^2/NDF : 816154.3/37

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: -114.742+/-32.325 χ^2/NDF :29.6/19

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

Left In: 26.589+/-33.059 χ^2/NDF :27.9/17

Left: -45.663+/-23.112 χ^2/NDF : 66.8/37

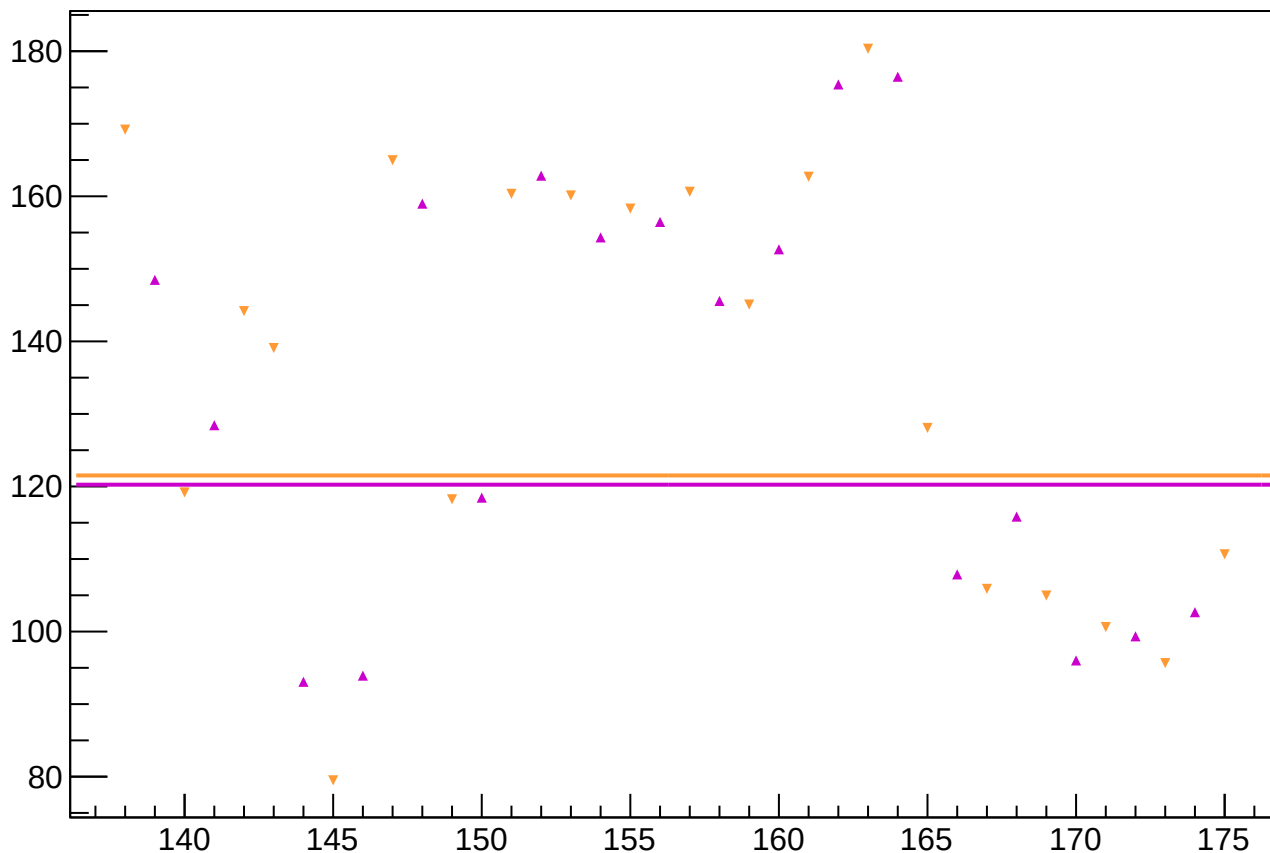
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 26.589+/-33.059 χ^2/NDF :27.9/17

Out: -114.742+/-32.325 χ^2/NDF :29.6/19

All: -45.663+/-23.112 χ^2/NDF : 66.8/37

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: 121.521+/-0.023 χ^2/NDF :1632156.1/19

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

Left In: 120.246+/-0.023 χ^2/NDF :1308796.1/17

Left: 120.898+/-0.016 χ^2/NDF : 2942471.3/37

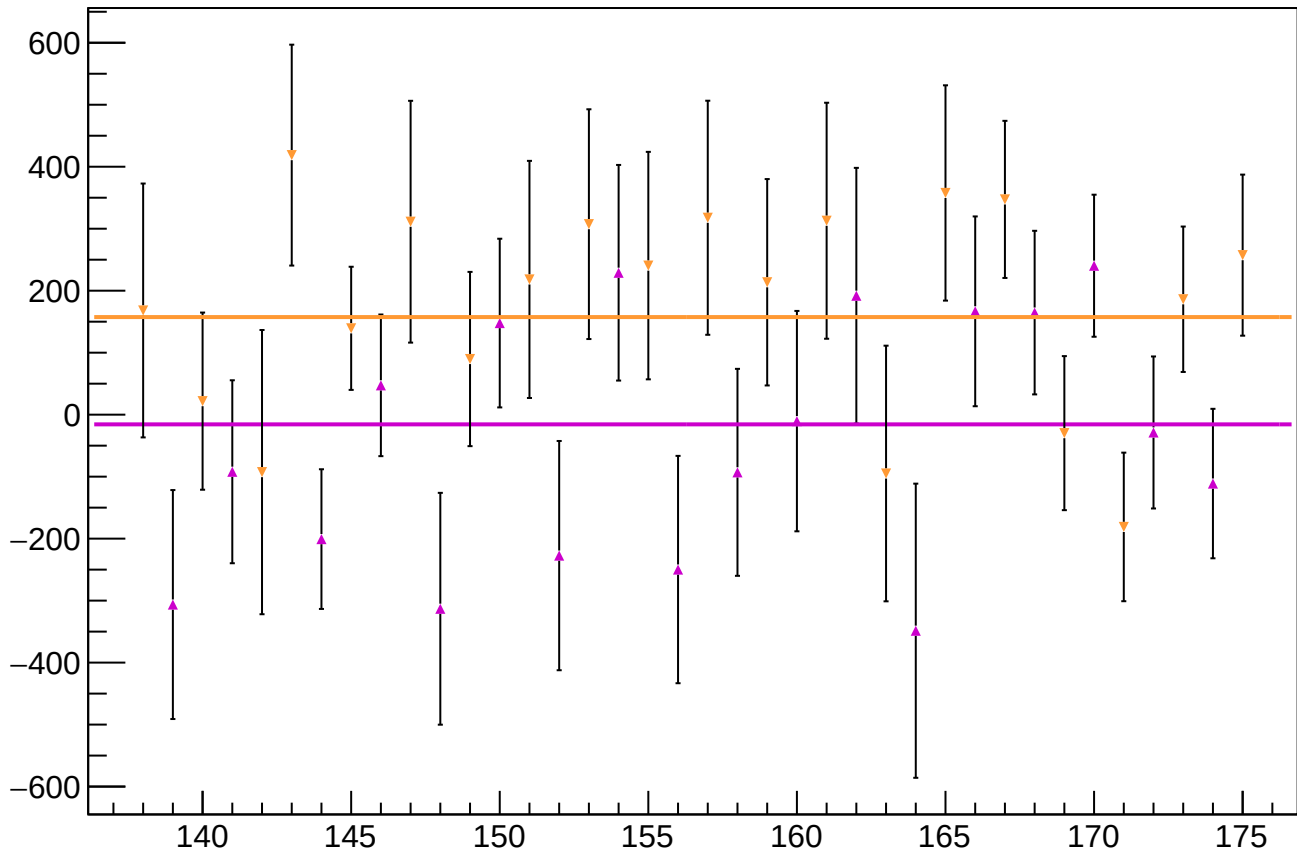
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 120.246+/-0.023 χ^2/NDF :1308796.1/17

Out: 121.521+/-0.023 χ^2/NDF :1632156.1/19

All: 120.898+/-0.016 χ^2/NDF : 2942471.3/37

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 157.431+/-34.007 χ^2/NDF :23.6/19

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

Left In: -15.649+/-34.803 χ^2/NDF :26.8/17

Left: 72.895+/-24.323 χ^2/NDF : 63.0/37

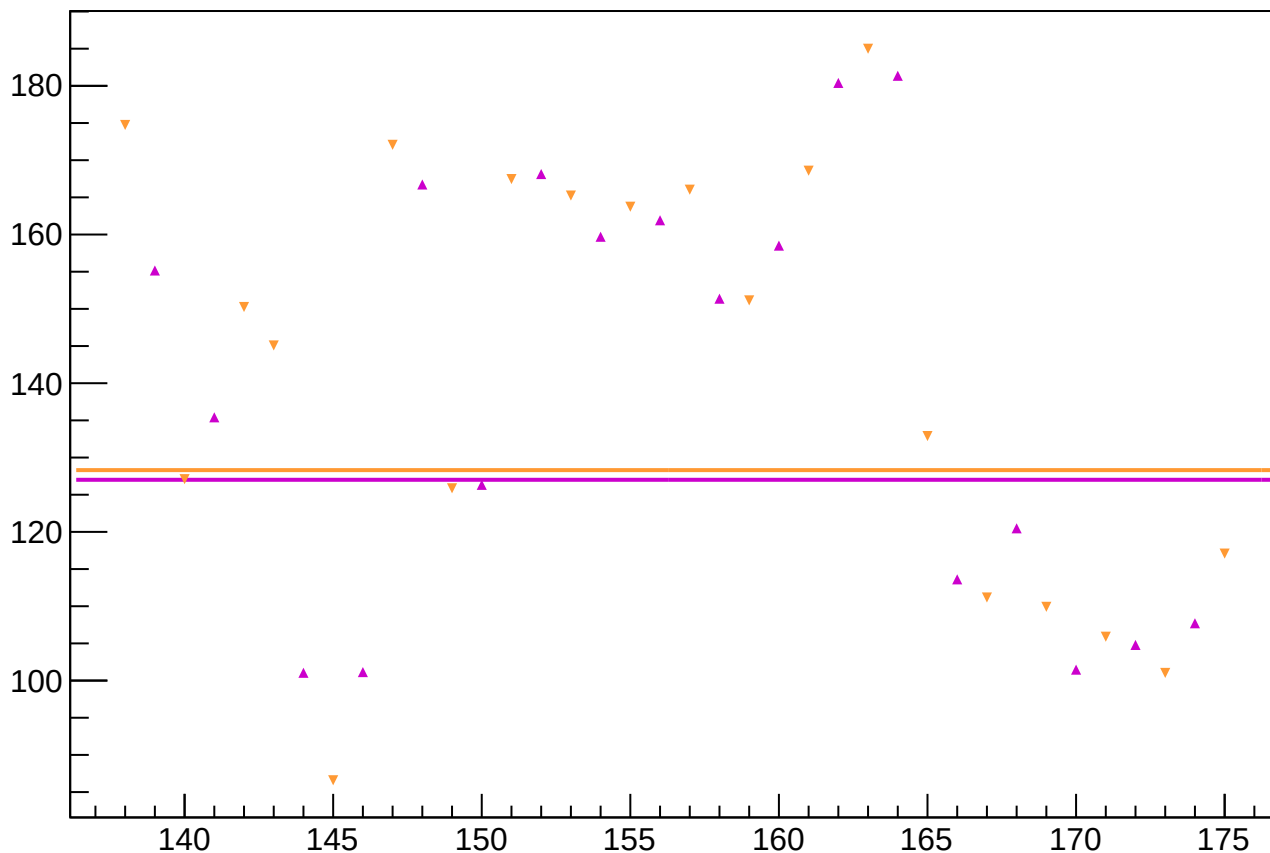
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.649+/-34.803 χ^2/NDF :26.8/17

Out: 157.431+/-34.007 χ^2/NDF :23.6/19

All: 72.895+/-24.323 χ^2/NDF : 63.0/37

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 128.309+/-0.024 χ^2/NDF :1463821.5/19

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

Left In: 127.009+/-0.025 χ^2/NDF :1174712.1/17

Left: 127.674+/-0.017 χ^2/NDF : 2639962.9/37

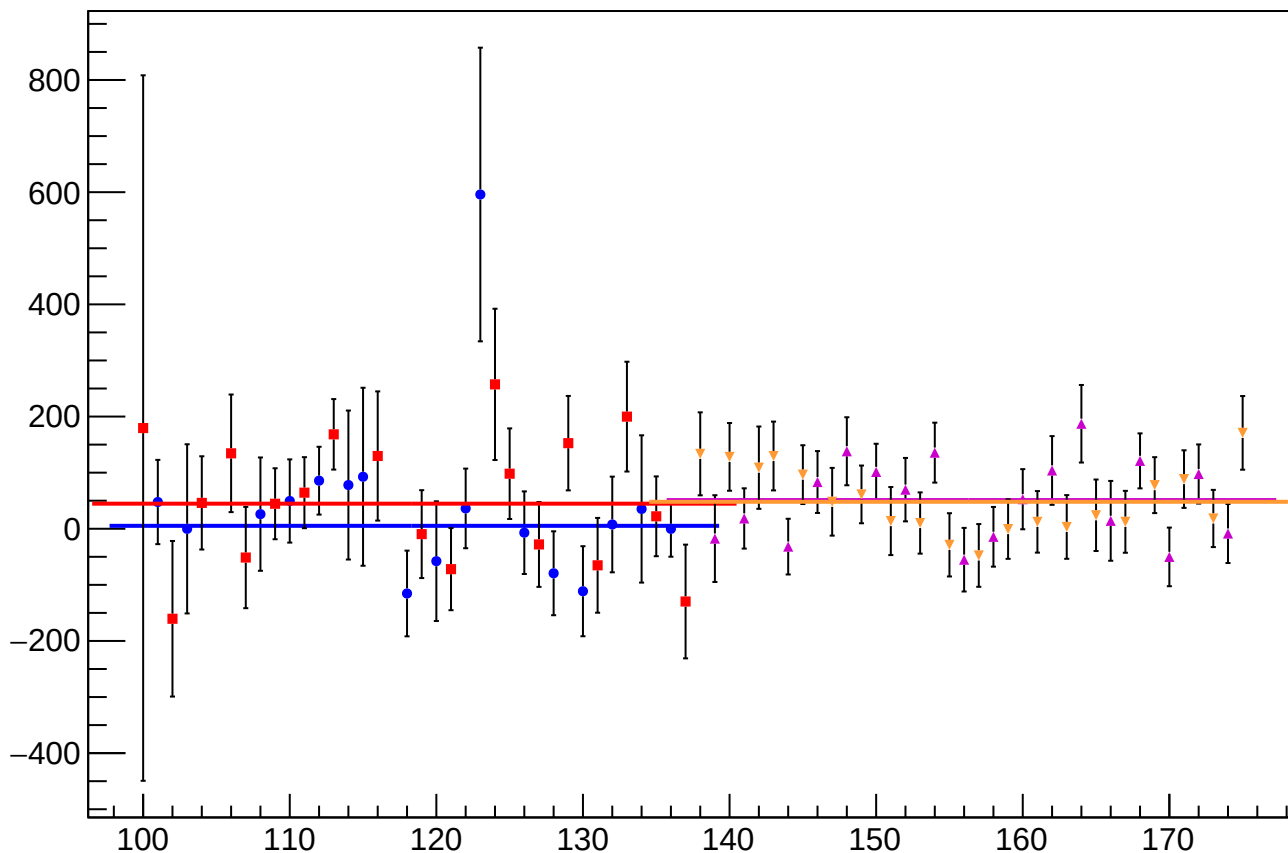
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 127.009+/-0.025 χ^2/NDF :1174712.1/17

Out: 128.309+/-0.024 χ^2/NDF :1463821.5/19

All: 127.674+/-0.017 χ^2/NDF : 2639962.9/37

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220+/-20.150 χ^2/NDF : 14.7/16

Left Out: 48.082+/-12.764 χ^2/NDF :19.3/19

Right Out: 44.715+/-19.410 χ^2/NDF : 24.4/18

Left In: 51.097+/-13.166 χ^2/NDF :27.7/17

Left: 49.543+/-9.164 χ^2/NDF : 47.1/37

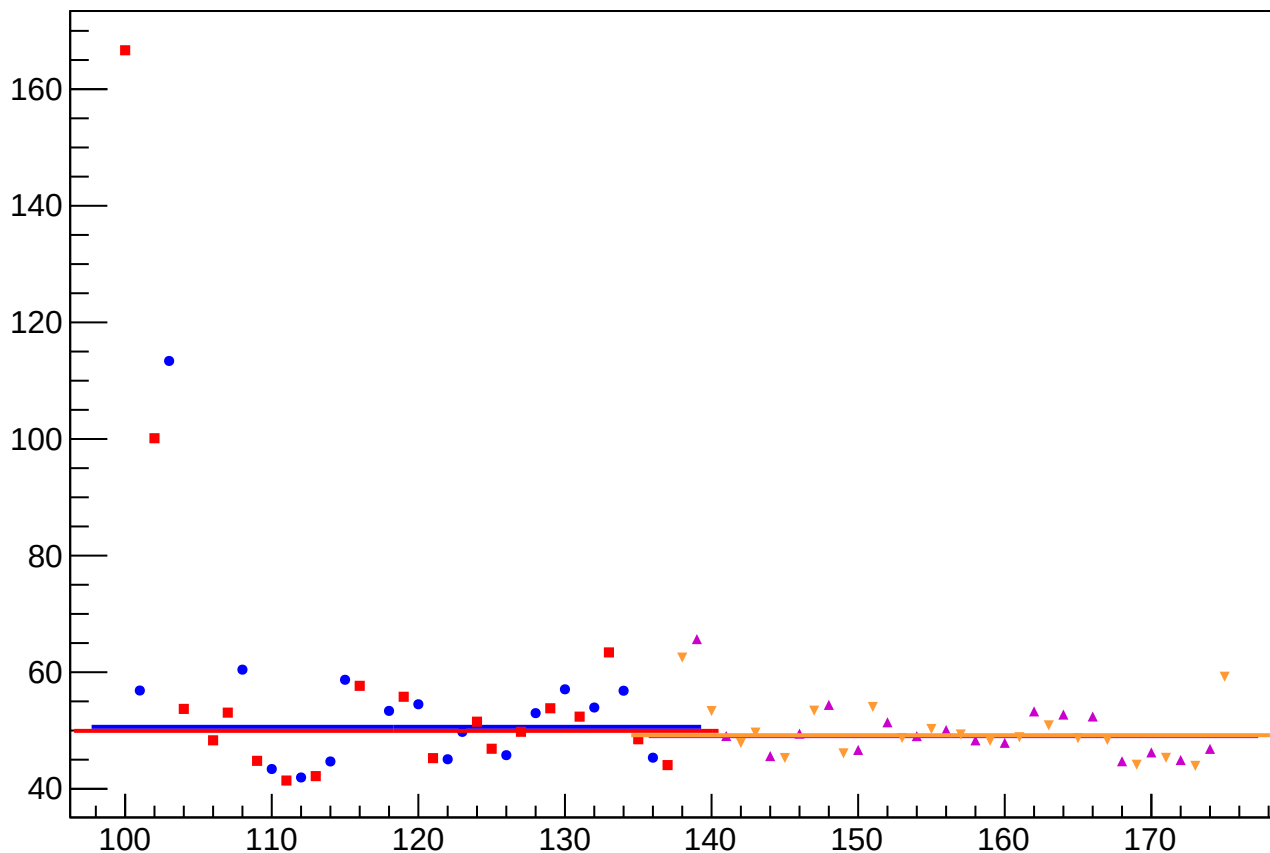
Right: 25.706+/-13.979 χ^2/NDF : 41.1/35

In: 37.371+/-11.022 χ^2/NDF :46.1/34

Out: 47.065+/-10.665 χ^2/NDF :43.7/38

All: 42.378+/-7.664 χ^2/NDF : 90.2/73

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 ± 0.014 χ^2/NDF : 519687.1/16

Left Out: 49.196 ± 0.009 χ^2/NDF : 219961.3/19

Right Out: 49.943 ± 0.014 χ^2/NDF : 500488.8/18

Left In: 49.035 ± 0.009 χ^2/NDF : 184248.0/17

Left: 49.118 ± 0.006 χ^2/NDF : 404362.8/37

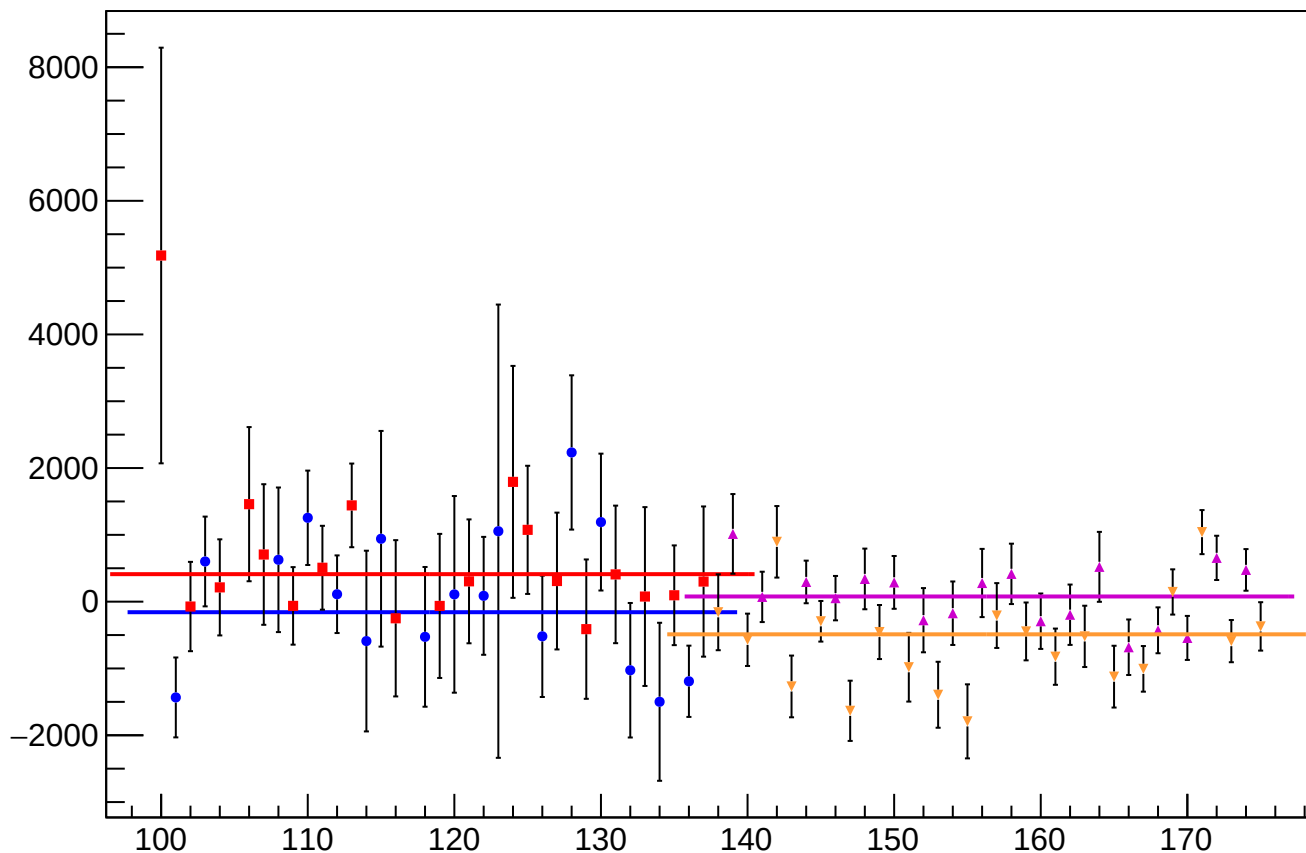
Right: 50.276 ± 0.010 χ^2/NDF : 1021399.4/35

In: 49.514 ± 0.008 χ^2/NDF : 712766.7/34

Out: 49.421 ± 0.008 χ^2/NDF : 722516.9/38

All: 49.466 ± 0.005 χ^2/NDF : 1435356.2/73

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -488.912+/-91.456 χ^2/NDF : 57.0/19

Right Out: 411.611+/-203.633 χ^2/NDF : 9.8/18

Left In: 77.475+/-93.356 χ^2/NDF : 20.7/17

Left: -211.541+/-65.331 χ^2/NDF : 96.5/37

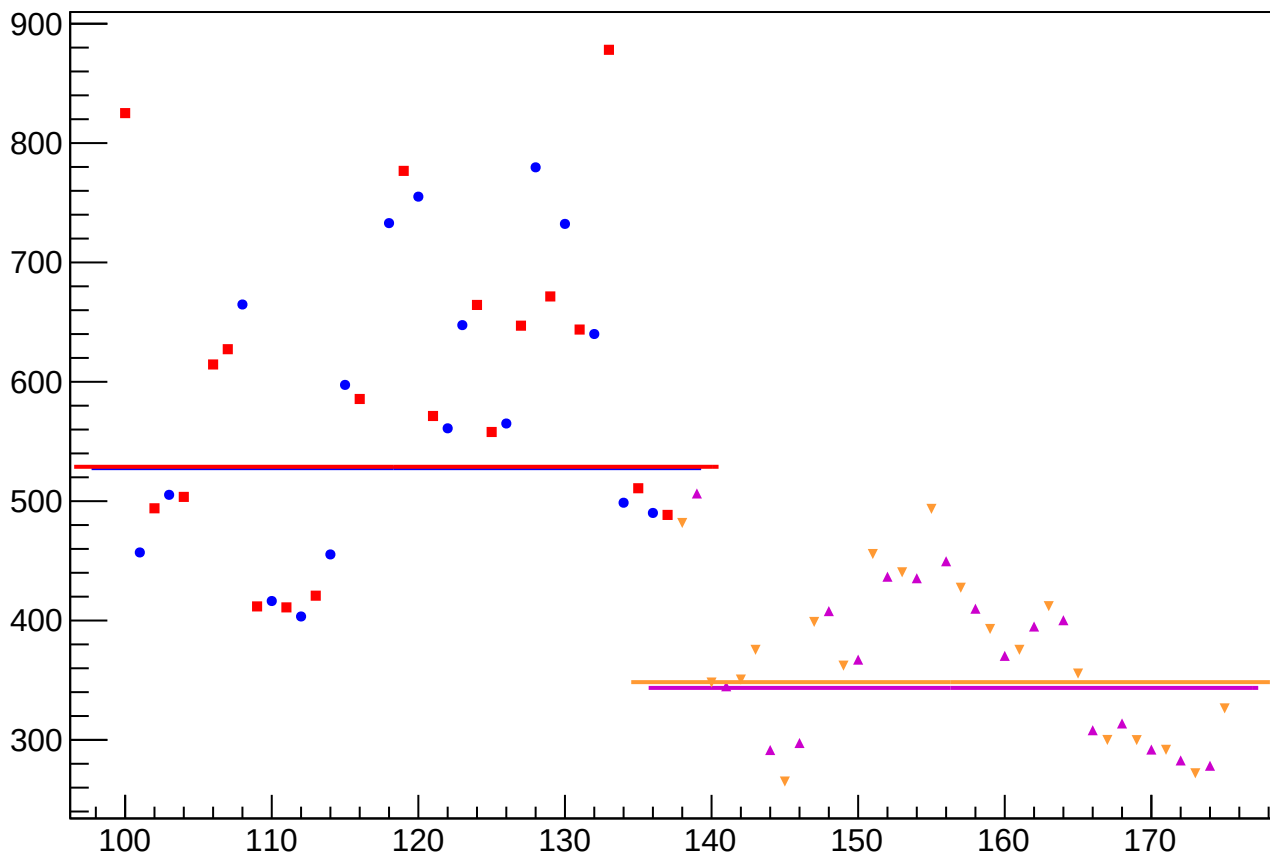
Right: 135.816+/-146.251 χ^2/NDF : 37.0/35

In: 38.674+/-85.319 χ^2/NDF : 45.2/34

Out: -337.757+/-83.428 χ^2/NDF : 83.0/38

All: -153.758+/-59.650 χ^2/NDF : 138.2/73

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 348.386+/-0.065 χ^2/NDF : 974602.7/19

Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

Left In: 343.563+/-0.066 χ^2/NDF : 859313.1/17

Left: 346.024+/-0.046 χ^2/NDF : 1836640.2/37

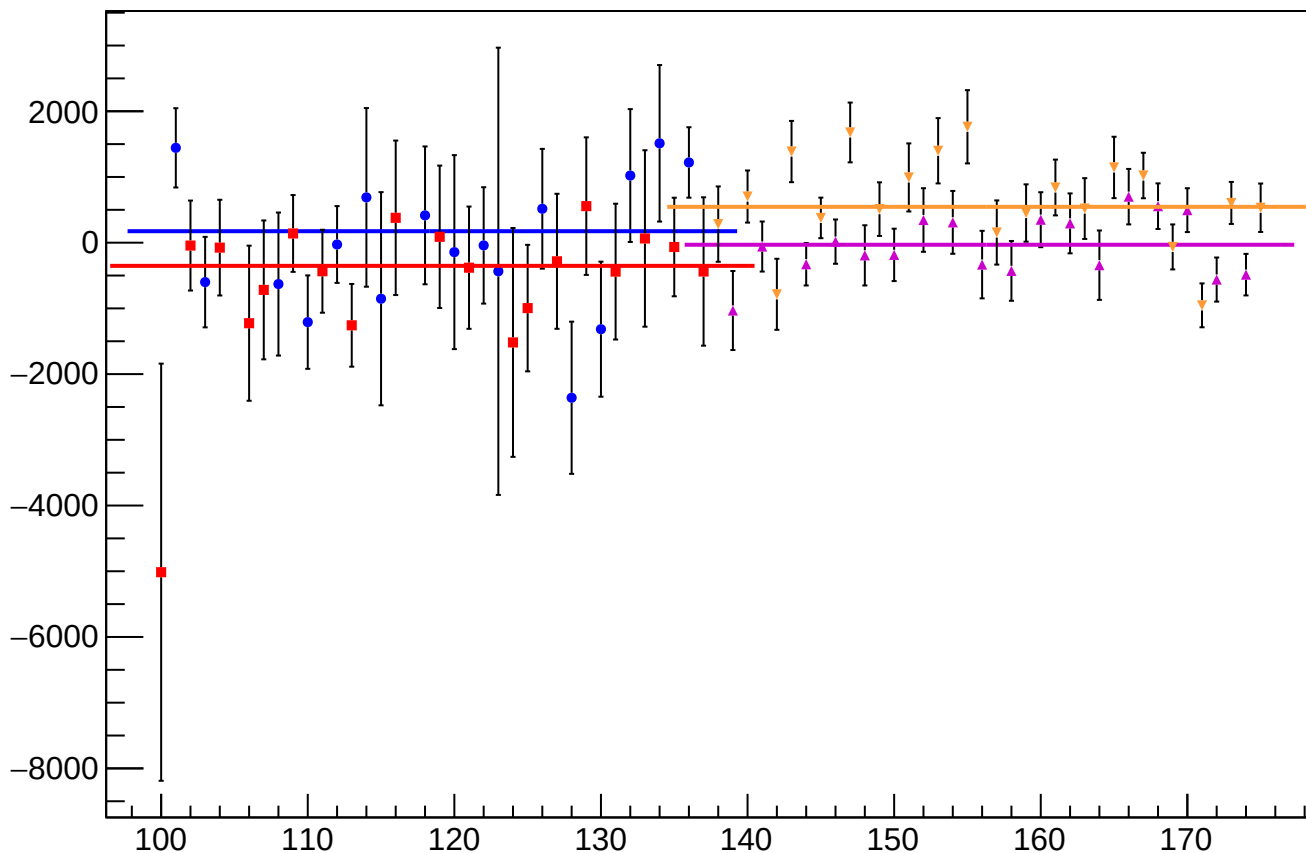
Right: 528.253+/-0.103 χ^2/NDF : 1180818.7/35

In: 373.898+/-0.060 χ^2/NDF : 2698343.2/34

Out: 378.670+/-0.059 χ^2/NDF : 2904447.5/38

All: 376.338+/-0.042 χ^2/NDF : 5605988.7/73

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 545.316 $\pm$ 92.443 χ^2 /NDF:52.8/19

Right Out: -352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

Left In: -31.602 $\pm$ 94.369 χ^2 /NDF:20.7/17

Left: 262.804 $\pm$ 66.038 χ^2 /NDF: 92.6/37

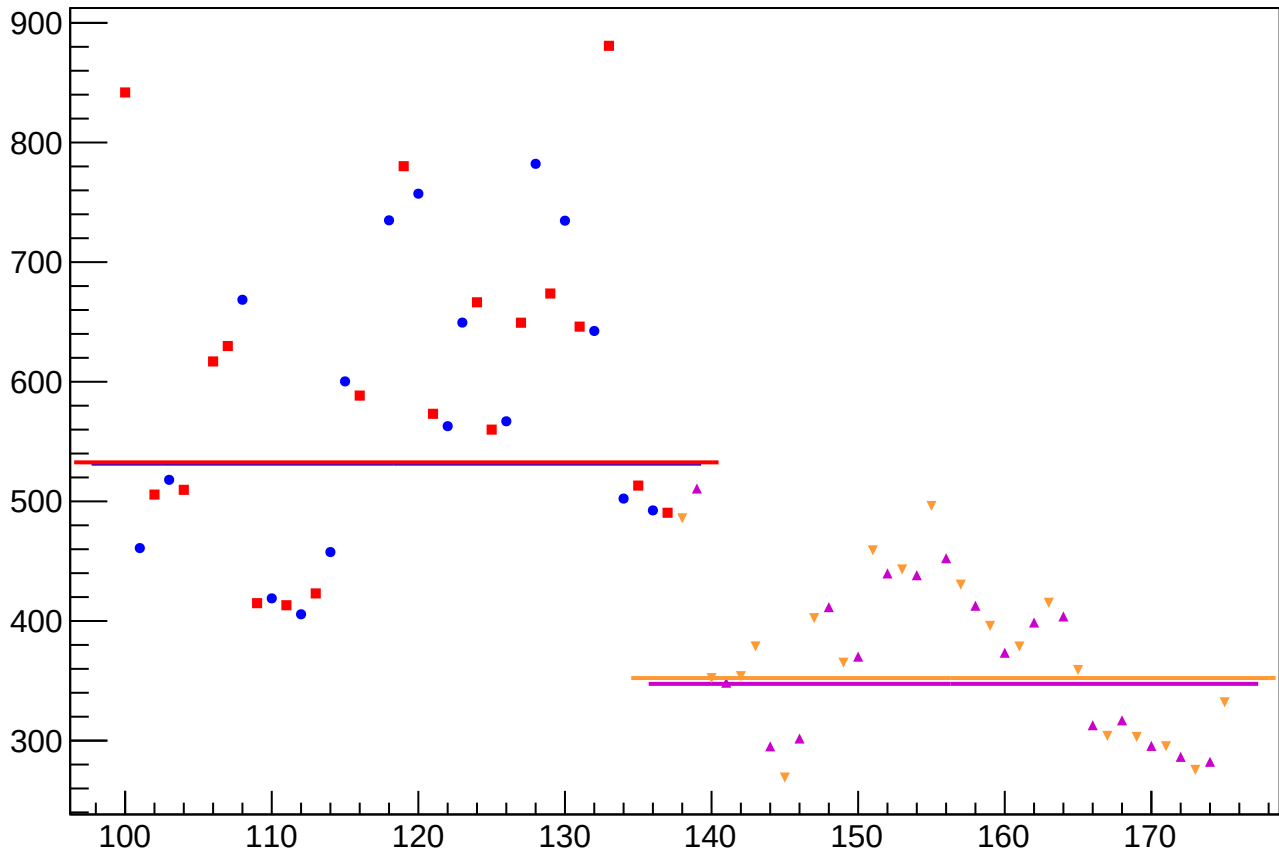
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: 2.591 $\pm$ 86.191 χ^2 /NDF:45.2/34

Out: 393.835 $\pm$ 84.285 χ^2 /NDF:77.1/38

All: 202.586 $\pm$ 60.261 χ^2 /NDF: 132.9/73

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 352.318 $\pm$ 0.065 χ^2 /NDF: 947682.7/19

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

Left In: 347.453 $\pm$ 0.067 χ^2 /NDF: 836095.6/17

Left: 349.935 $\pm$ 0.047 χ^2 /NDF: 1786490.3/37

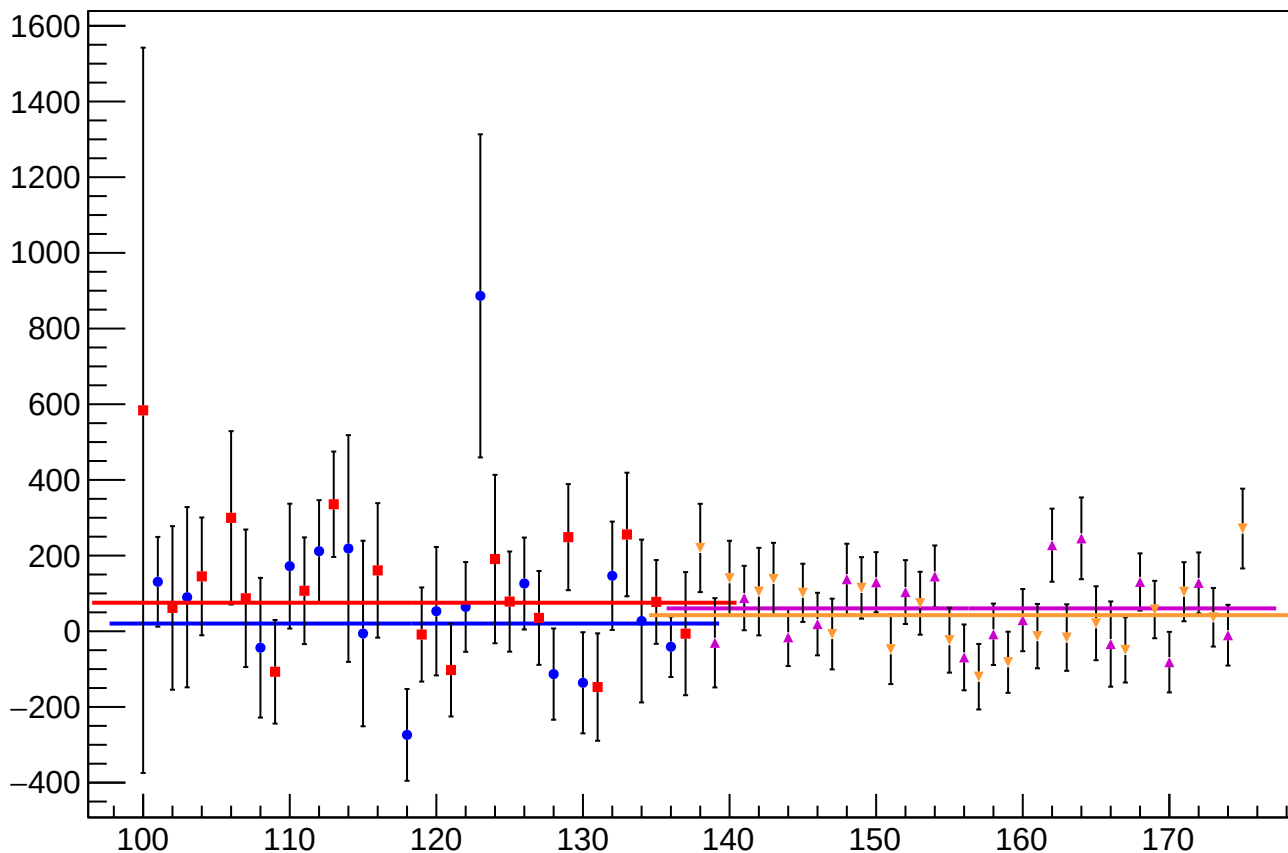
Right: 532.104 $\pm$ 0.104 χ^2 /NDF: 1165860.0/35

In: 377.981 $\pm$ 0.061 χ^2 /NDF: 2648349.0/34

Out: 382.736 $\pm$ 0.060 χ^2 /NDF: 2846996.2/38

All: 380.411 $\pm$ 0.043 χ^2 /NDF: 5498457.4/73

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 42.565 $\pm$ 19.684 χ^2 /NDF:21.3/19

Right Out: 75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

Left In: 60.495 $\pm$ 20.260 χ^2 /NDF:19.9/17

Left: 51.272 $\pm$ 14.118 χ^2 /NDF: 41.6/37

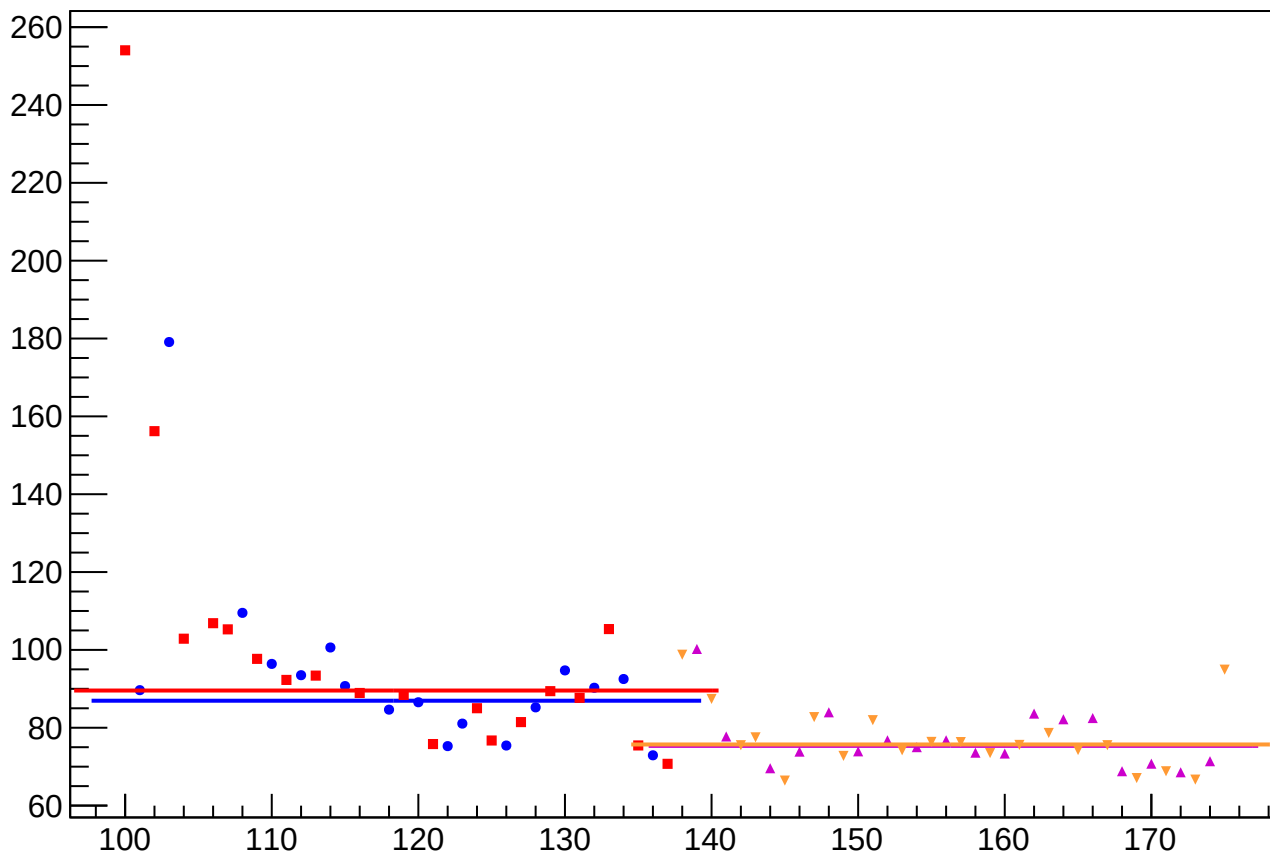
Right: 47.856 $\pm$ 24.495 χ^2 /NDF: 35.9/35

In: 50.261 $\pm$ 17.481 χ^2 /NDF:40.2/34

Out: 50.573 $\pm$ 17.121 χ^2 /NDF:37.4/38

All: 50.420 $\pm$ 12.232 χ^2 /NDF: 77.5/73

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: 75.702 $\pm$ 0.014 χ^2 /NDF: 299281.5/19

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

Left In: 75.338 $\pm$ 0.014 χ^2 /NDF: 194841.1/17

Left: 75.525 $\pm$ 0.010 χ^2 /NDF: 494455.9/37

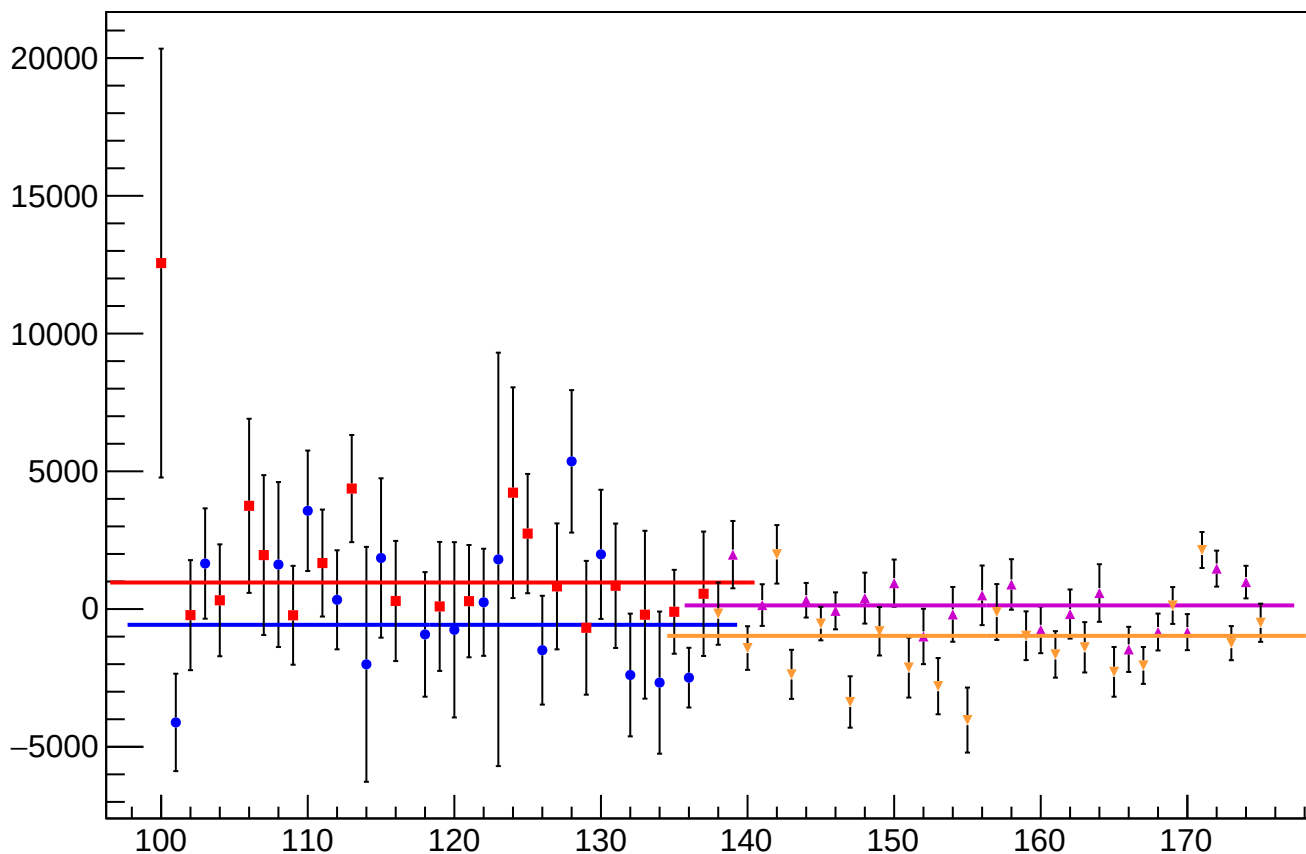
Right: 88.247 $\pm$ 0.017 χ^2 /NDF: 892752.0/35

In: 78.303 $\pm$ 0.012 χ^2 /NDF: 818319.2/34

Out: 79.076 $\pm$ 0.012 χ^2 /NDF: 971882.5/38

All: 78.698 $\pm$ 0.009 χ^2 /NDF: 1792200.0/73

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: -972.035 $\pm$ 183.256 χ^2 /NDF:61.7/19

Right Out: 963.846 $\pm$ 514.621 χ^2 /NDF: 10.1/18

Left In: 132.478 $\pm$ 187.041 χ^2 /NDF:21.3/17

Left: -431.068 $\pm$ 130.899 χ^2 /NDF: 100.8/37

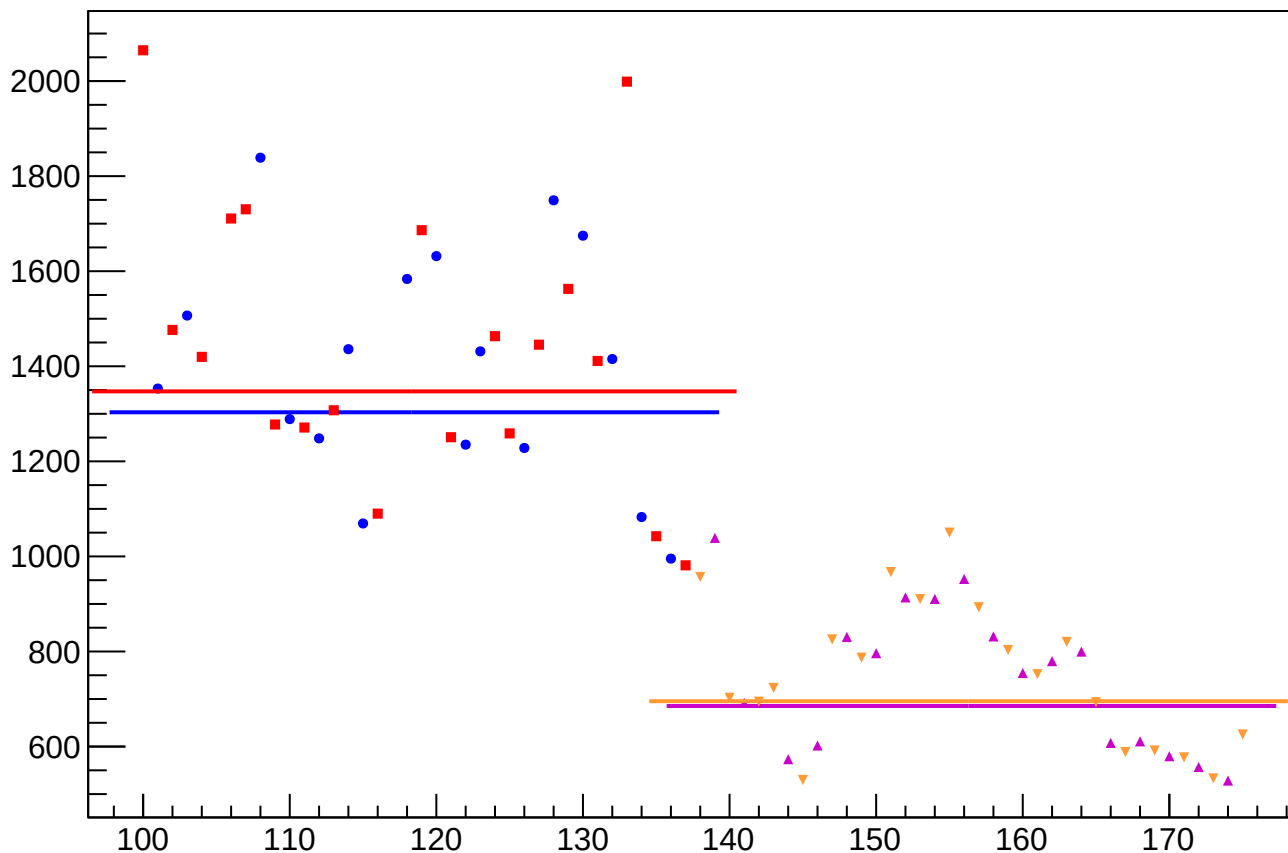
Right: 199.325 $\pm$ 364.737 χ^2 /NDF: 36.4/35

In: 50.910 $\pm$ 175.885 χ^2 /NDF:44.8/34

Out: -754.179 $\pm$ 172.637 χ^2 /NDF:84.3/38

All: -359.138 $\pm$ 123.205 χ^2 /NDF: 139.8/73

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 695.415+/-0.130 χ^2/NDF : 1186221.0/19

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

Left In: 685.315+/-0.132 χ^2/NDF : 1096404.2/17

Left: 690.468+/-0.093 χ^2/NDF : 2285601.1/37

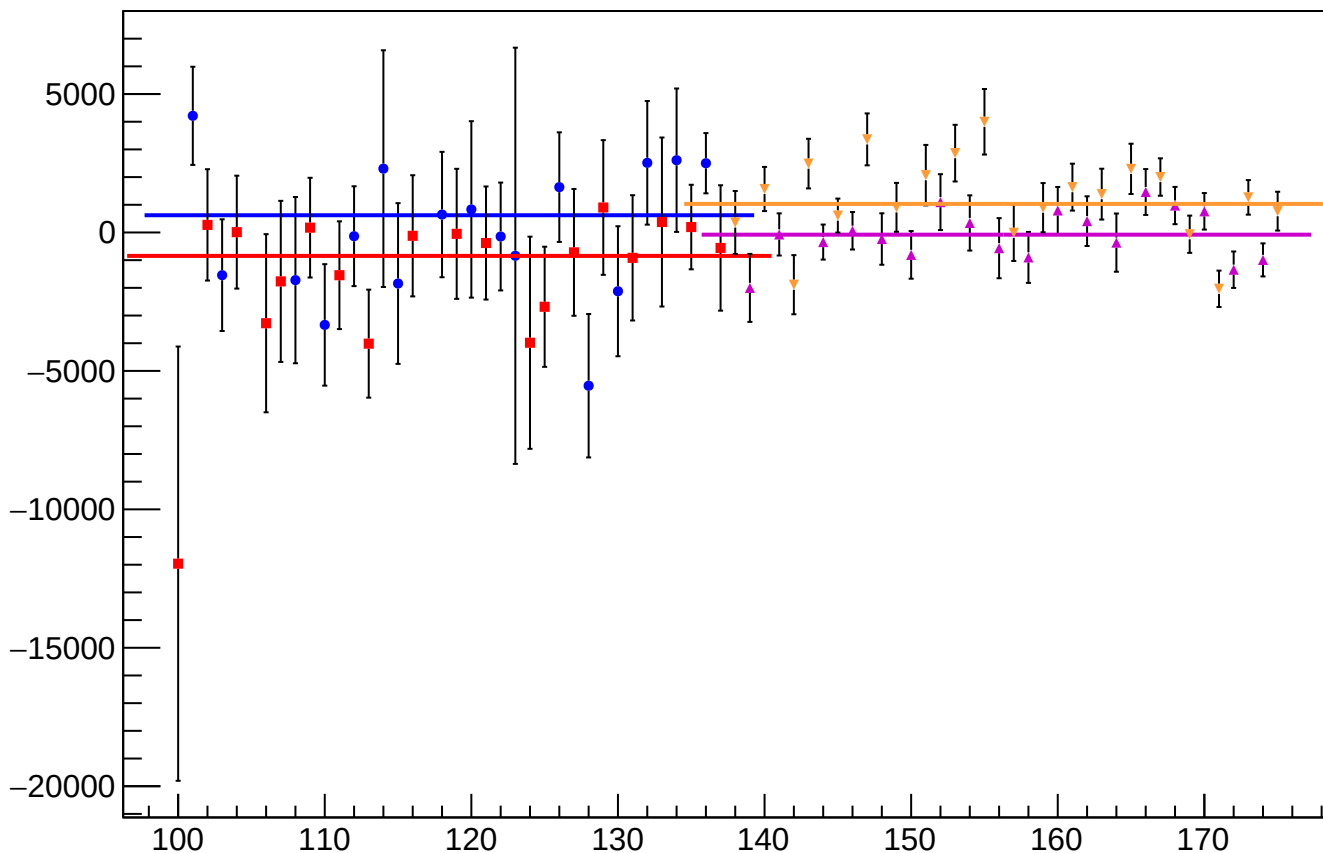
Right: 1325.291+/-0.258 χ^2/NDF : 880004.2/35

In: 756.822+/-0.124 χ^2/NDF : 4074272.7/34

Out: 768.762+/-0.122 χ^2/NDF : 4453967.8/38

All: 762.903+/-0.087 χ^2/NDF : 8532934.5/73

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1031.520 $\pm$ 184.474 χ^2 /NDF:58.4/19

Right Out: -846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

Left In: -79.531 $\pm$ 188.289 χ^2 /NDF:21.0/17

Left: 487.366 $\pm$ 131.771 χ^2 /NDF: 97.1/37

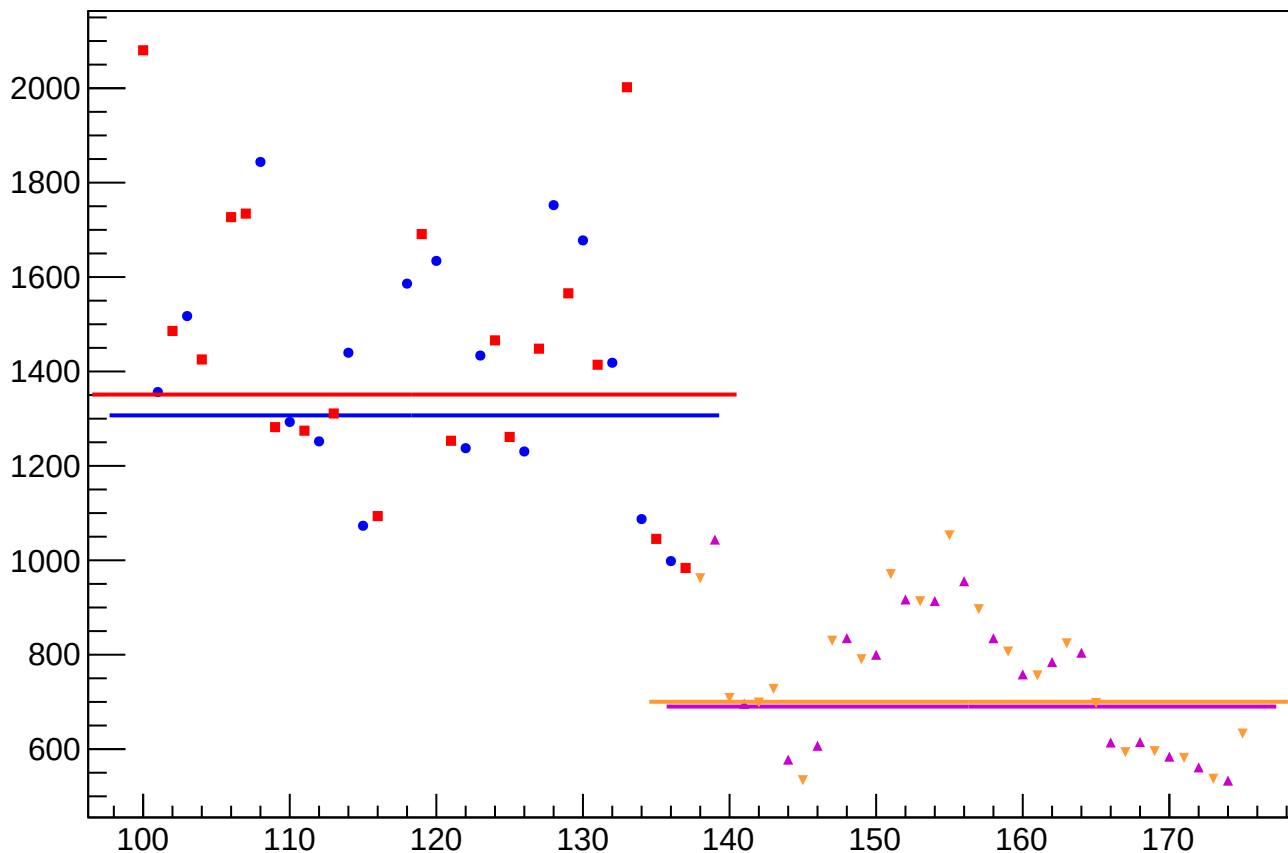
Right: -114.886 $\pm$ 365.862 χ^2 /NDF: 35.1/35

In: 2.252 $\pm$ 176.981 χ^2 /NDF:44.5/34

Out: 818.982 $\pm$ 173.719 χ^2 /NDF:79.2/38

All: 418.213 $\pm$ 123.975 χ^2 /NDF: 134.6/73

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 700.278+/-0.130 χ^2/NDF : 1166901.1/19

Right Out: 1351.096+/-0.365 χ^2/NDF : 421804.6/18

Left In: 690.133+/-0.133 χ^2/NDF : 1077996.3/17

Left: 695.309+/-0.093 χ^2/NDF : 2247860.3/37

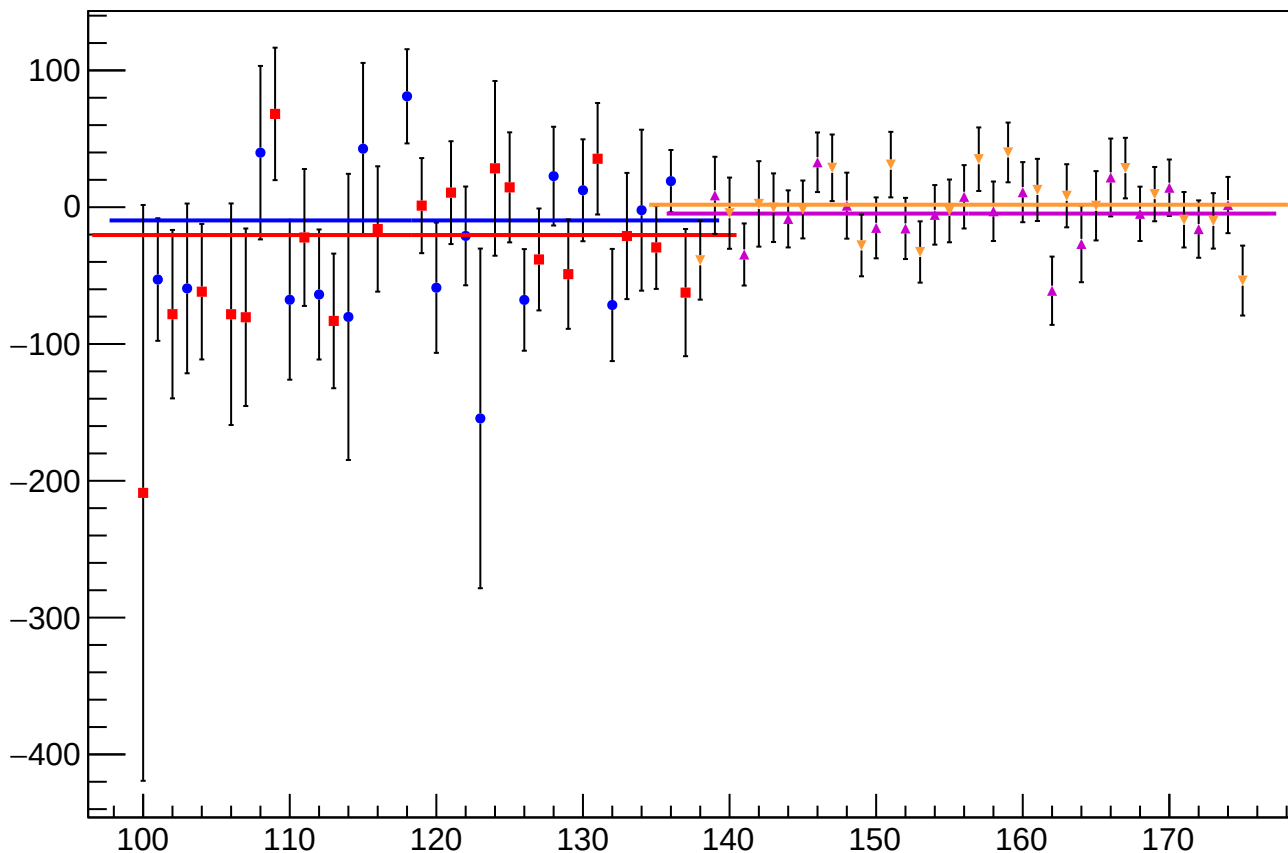
Right: 1329.131+/-0.259 χ^2/NDF : 880266.0/35

In: 762.001+/-0.125 χ^2/NDF : 4030095.6/34

Out: 773.951+/-0.123 χ^2/NDF : 4406627.2/38

All: 768.087+/-0.088 χ^2/NDF : 8441366.7/73

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: 1.816 ± 5.190 $\chi^2/\text{NDF}: 21.3/19$

Right Out: -20.335 ± 10.444 $\chi^2/\text{NDF}: 14.7/18$

Left In: -4.672 ± 5.334 $\chi^2/\text{NDF}: 14.1/17$

Left: -1.340 ± 3.720 $\chi^2/\text{NDF}: 36.2/37$

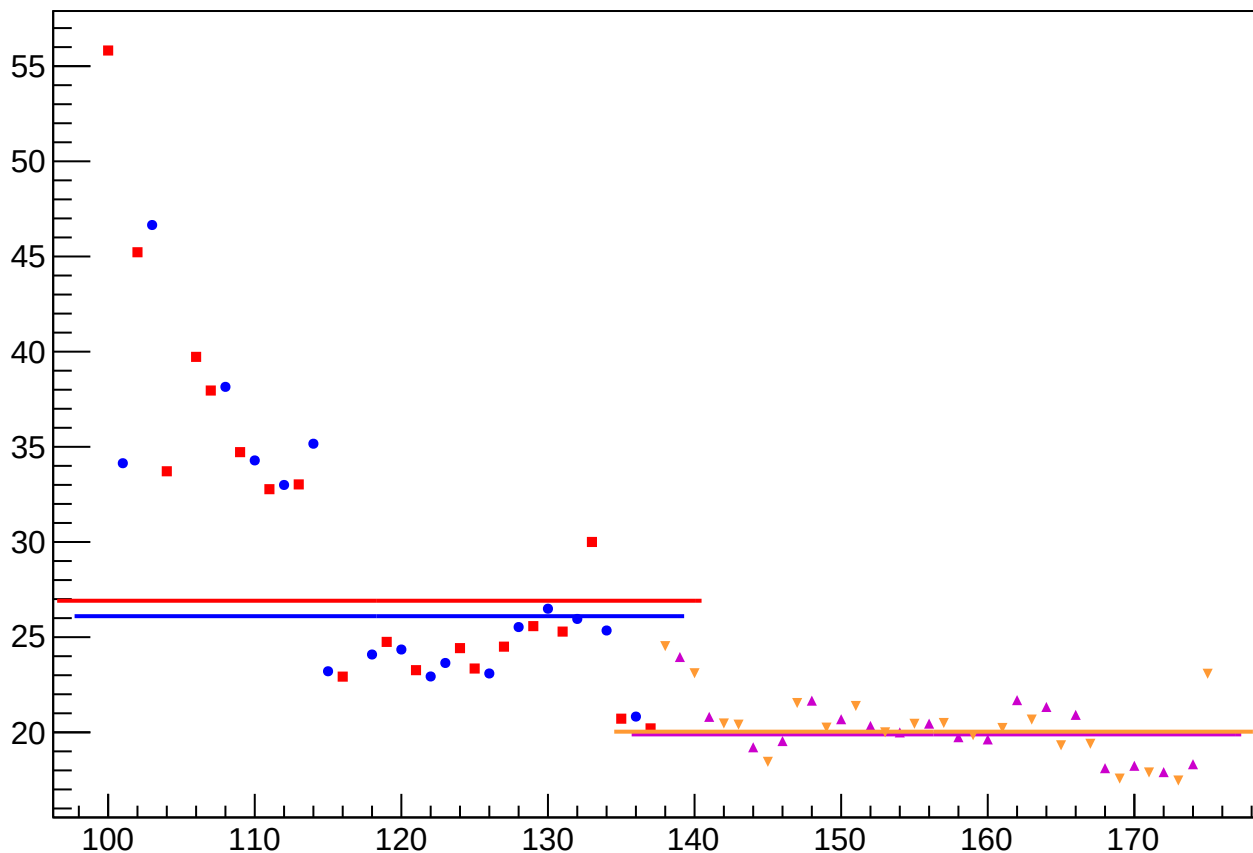
Right: -14.983 ± 7.372 $\chi^2/\text{NDF}: 37.7/35$

In: -5.711 ± 4.747 $\chi^2/\text{NDF}: 36.8/34$

Out: -2.572 ± 4.648 $\chi^2/\text{NDF}: 39.6/38$

All: -4.108 ± 3.321 $\chi^2/\text{NDF}: 76.7/73$

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.035 $\pm$ 0.004 χ^2 /NDF: 222896.9/19

Right Out: 26.914 $\pm$ 0.007 χ^2 /NDF: 678970.2/18

Left In: 19.892 $\pm$ 0.004 χ^2 /NDF: 139882.3/17

Left: 19.965 $\pm$ 0.003 χ^2 /NDF: 363521.6/37

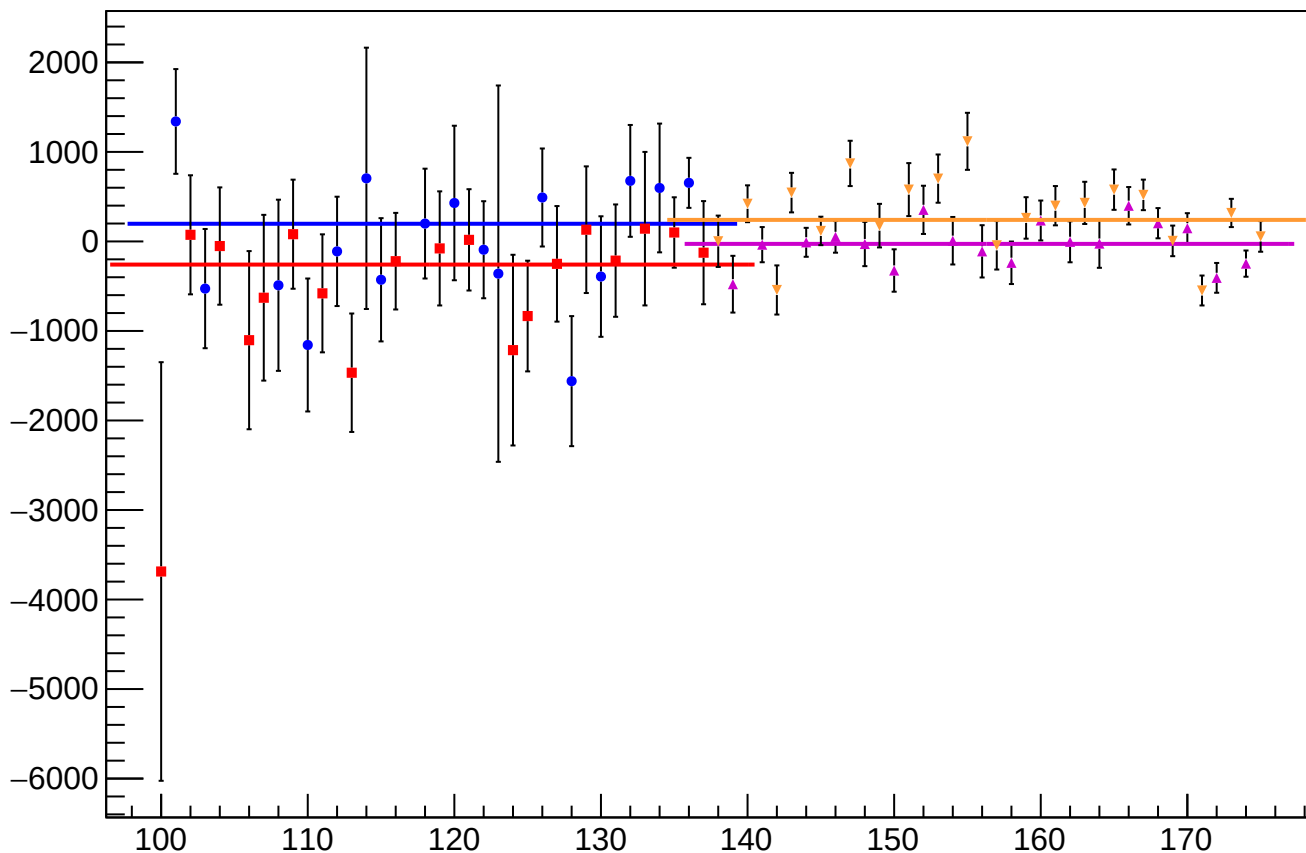
Right: 26.507 $\pm$ 0.005 χ^2 /NDF: 1289062.8/35

In: 21.184 $\pm$ 0.003 χ^2 /NDF: 1308001.1/34

Out: 21.398 $\pm$ 0.003 χ^2 /NDF: 1597645.7/38

All: 21.293 $\pm$ 0.002 χ^2 /NDF: 2907721.4/73

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327+/-147.883 χ^2/NDF : 21.0/16

Left Out: 240.664+/-47.344 χ^2/NDF : 63.0/19

Right Out: -258.537+/-149.867 χ^2/NDF : 10.7/18

Left In: -27.396+/-48.406 χ^2/NDF : 22.6/17

Left: 109.604+/-33.847 χ^2/NDF : 101.3/37

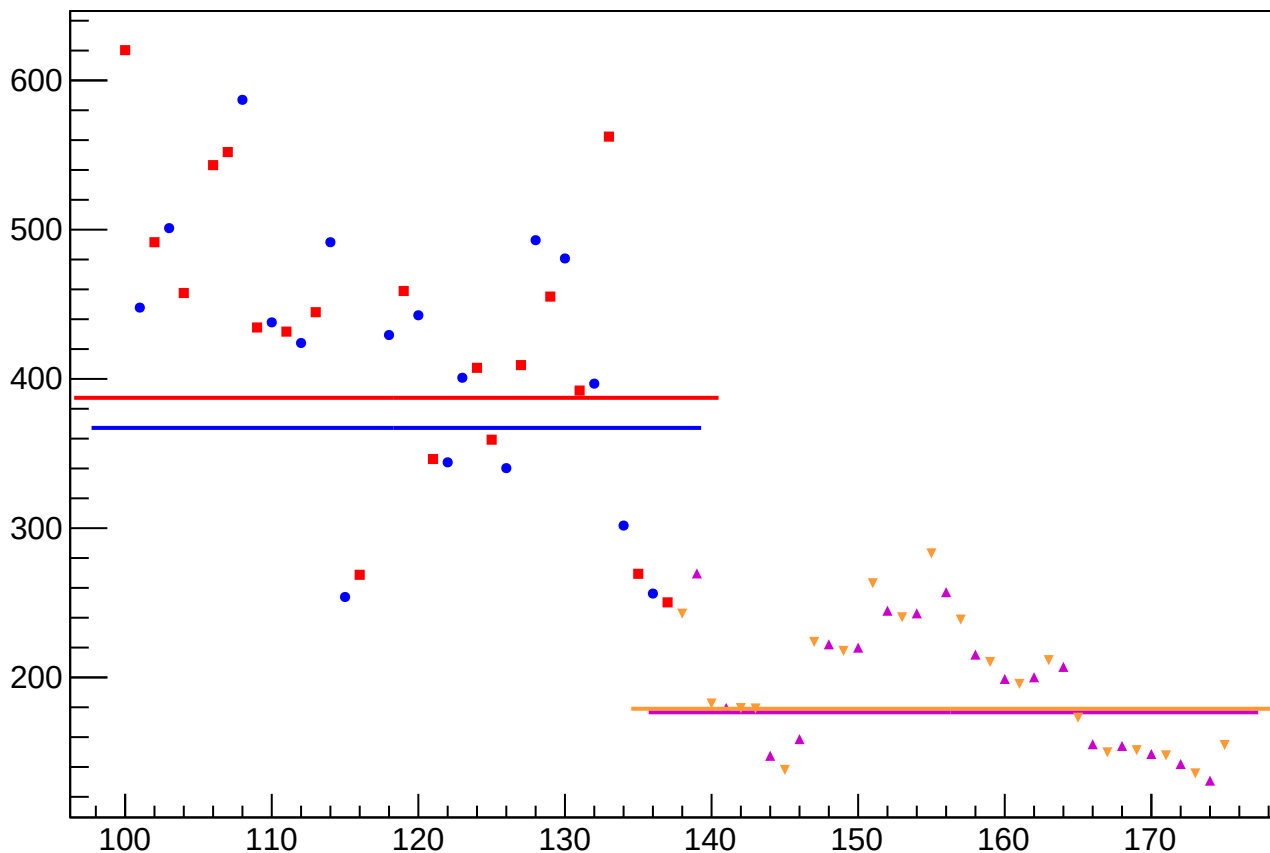
Right: -27.568+/-105.264 χ^2/NDF : 36.3/35

In: -5.649+/-46.004 χ^2/NDF : 45.7/34

Out: 195.365+/-45.145 χ^2/NDF : 83.7/38

All: 96.751+/-32.222 χ^2/NDF : 139.1/73

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 179.010 $\pm$ 0.033 χ^2 /NDF:1381251.4/19

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

Left In: 176.639 $\pm$ 0.034 χ^2 /NDF:1311154.6/17

Left: 177.851 $\pm$ 0.024 χ^2 /NDF: 2694859.3/37

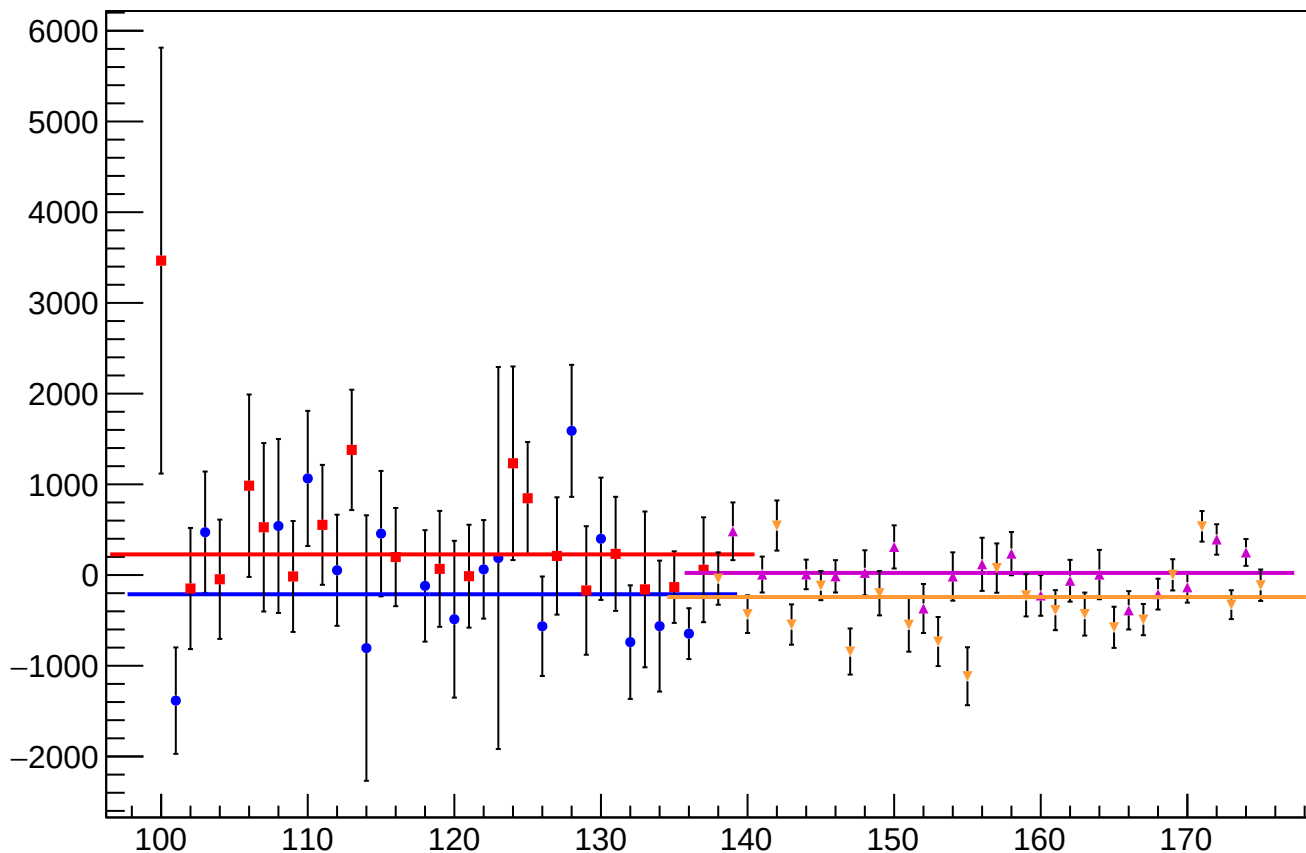
Right: 377.128 $\pm$ 0.074 χ^2 /NDF: 1620053.1/35

In: 195.078 $\pm$ 0.033 χ^2 /NDF:5137251.6/34

Out: 197.915 $\pm$ 0.032 χ^2 /NDF:5669998.0/38

All: 196.523 $\pm$ 0.023 χ^2 /NDF: 10811124.3/73

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -242.337 ± 47.671 χ^2/NDF : 60.4/19

Right Out: 227.831 ± 150.317 χ^2/NDF : 10.1/18

Left In: 23.467 ± 48.742 χ^2/NDF : 21.7/17

Left: -112.386 ± 34.081 χ^2/NDF : 97.3/37

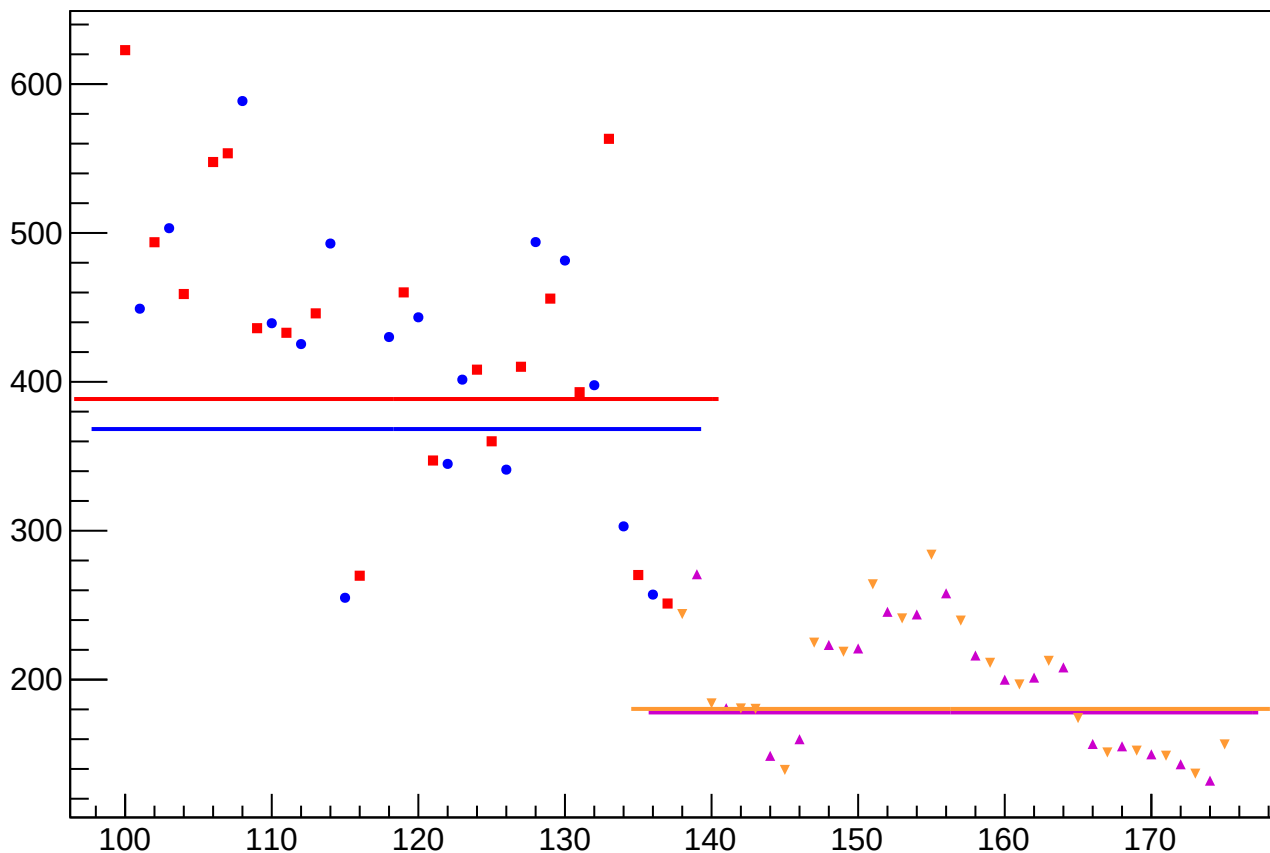
Right: 5.040 ± 105.575 χ^2/NDF : 35.4/35

In: 0.529 ± 46.305 χ^2/NDF : 45.0/34

Out: -199.371 ± 45.441 χ^2/NDF : 79.3/38

All: -101.305 ± 32.433 χ^2/NDF : 133.8/73

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 180.324 $\pm$ 0.034 χ^2 /NDF:1358217.9/19

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

Left In: 177.947 $\pm$ 0.034 χ^2 /NDF:1288396.3/17

Left: 179.162 $\pm$ 0.024 χ^2 /NDF: 2649046.6/37

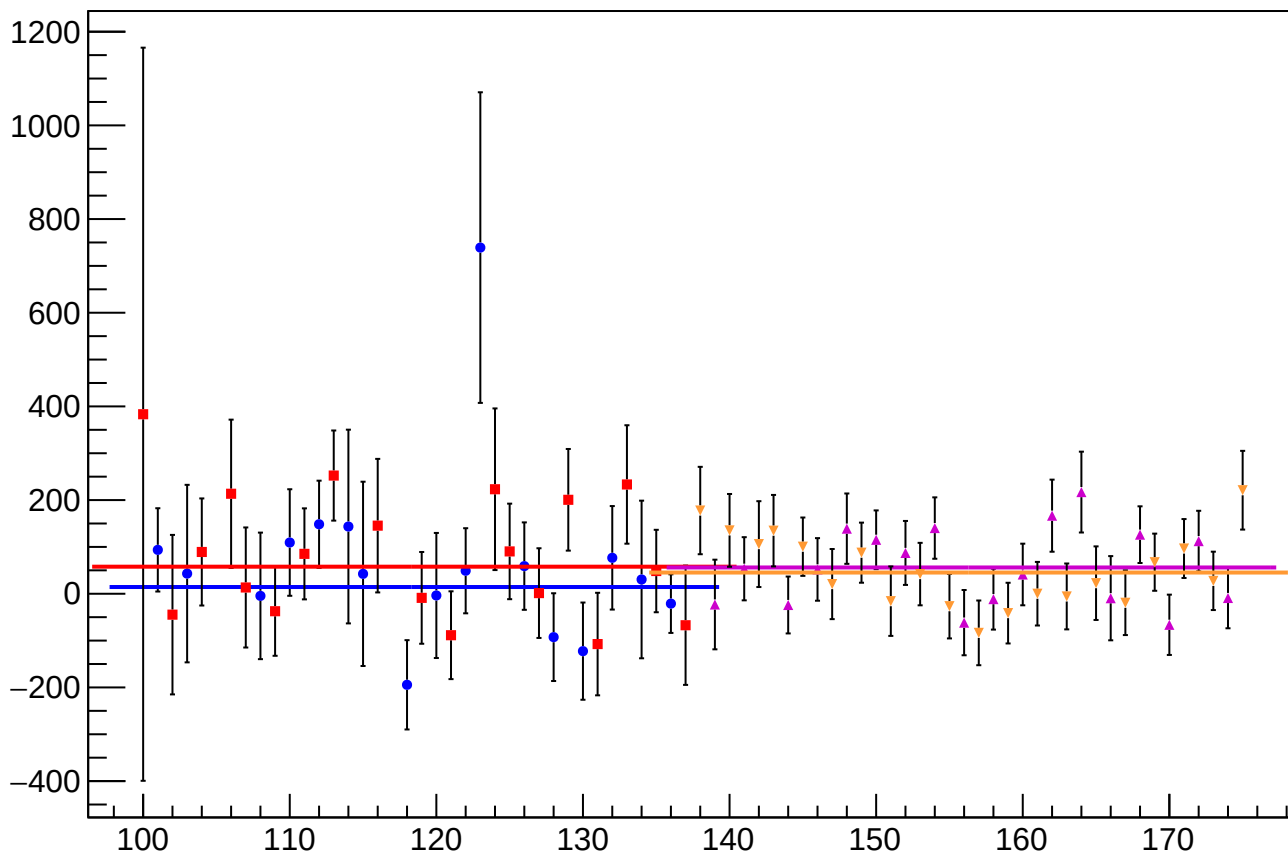
Right: 378.252 $\pm$ 0.075 χ^2 /NDF: 1617584.5/35

In: 196.501 $\pm$ 0.033 χ^2 /NDF:5086345.5/34

Out: 199.346 $\pm$ 0.032 χ^2 /NDF:5617440.4/38

All: 197.950 $\pm$ 0.023 χ^2 /NDF: 10707631.5/73

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: 45.301 $\pm$ 15.757 χ^2 /NDF:20.7/19

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

Left In: 56.116 $\pm$ 16.232 χ^2 /NDF:23.2/17

Left: 50.548 $\pm$ 11.306 χ^2 /NDF: 44.1/37

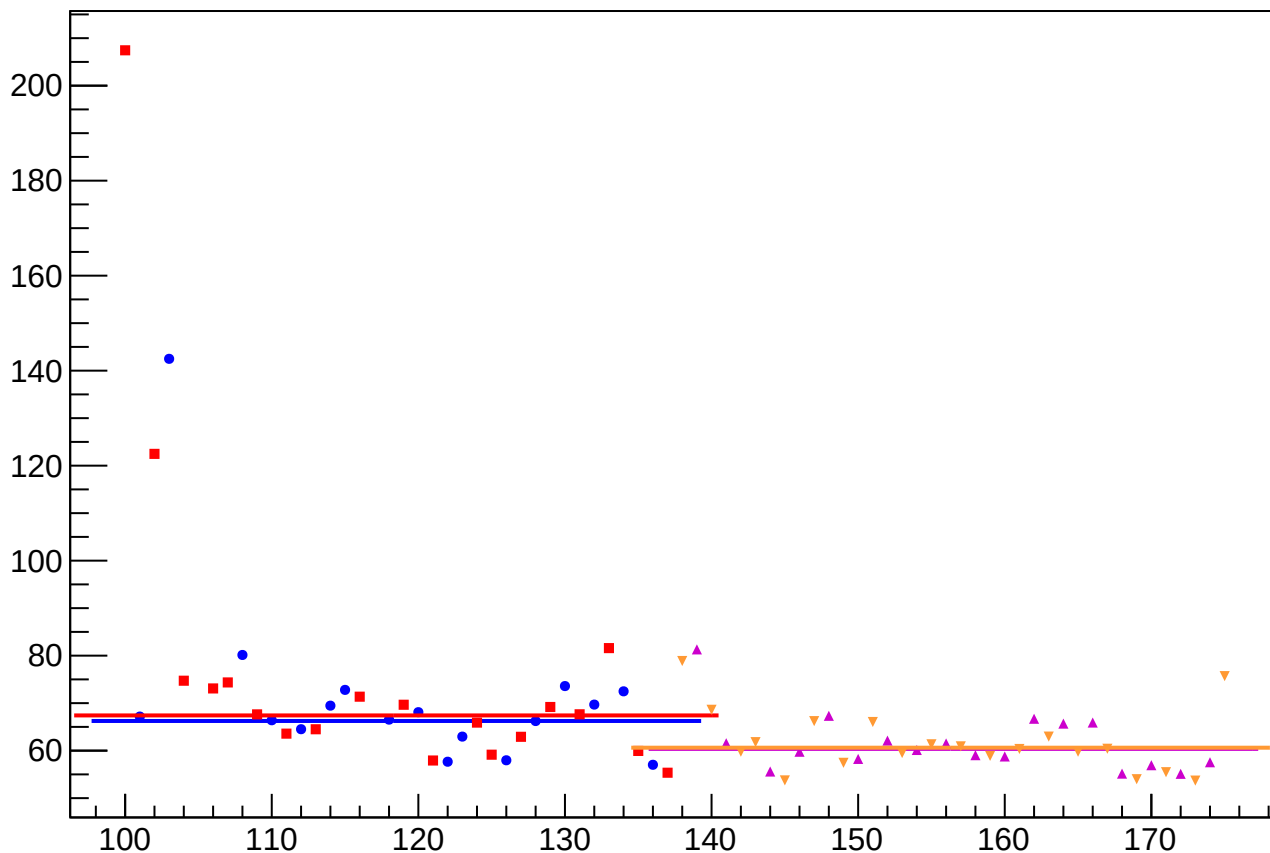
Right: 36.266 $\pm$ 18.545 χ^2 /NDF: 37.5/35

In: 44.627 $\pm$ 13.818 χ^2 /NDF:42.7/34

Out: 48.634 $\pm$ 13.492 χ^2 /NDF:39.3/38

All: 46.678 $\pm$ 9.653 χ^2 /NDF: 82.0/73

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: 60.619 $\pm$ 0.011 χ^2 /NDF: 280230.0/19

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

Left In: 60.369 $\pm$ 0.011 χ^2 /NDF: 198525.3/17

Left: 60.498 $\pm$ 0.008 χ^2 /NDF: 479000.8/37

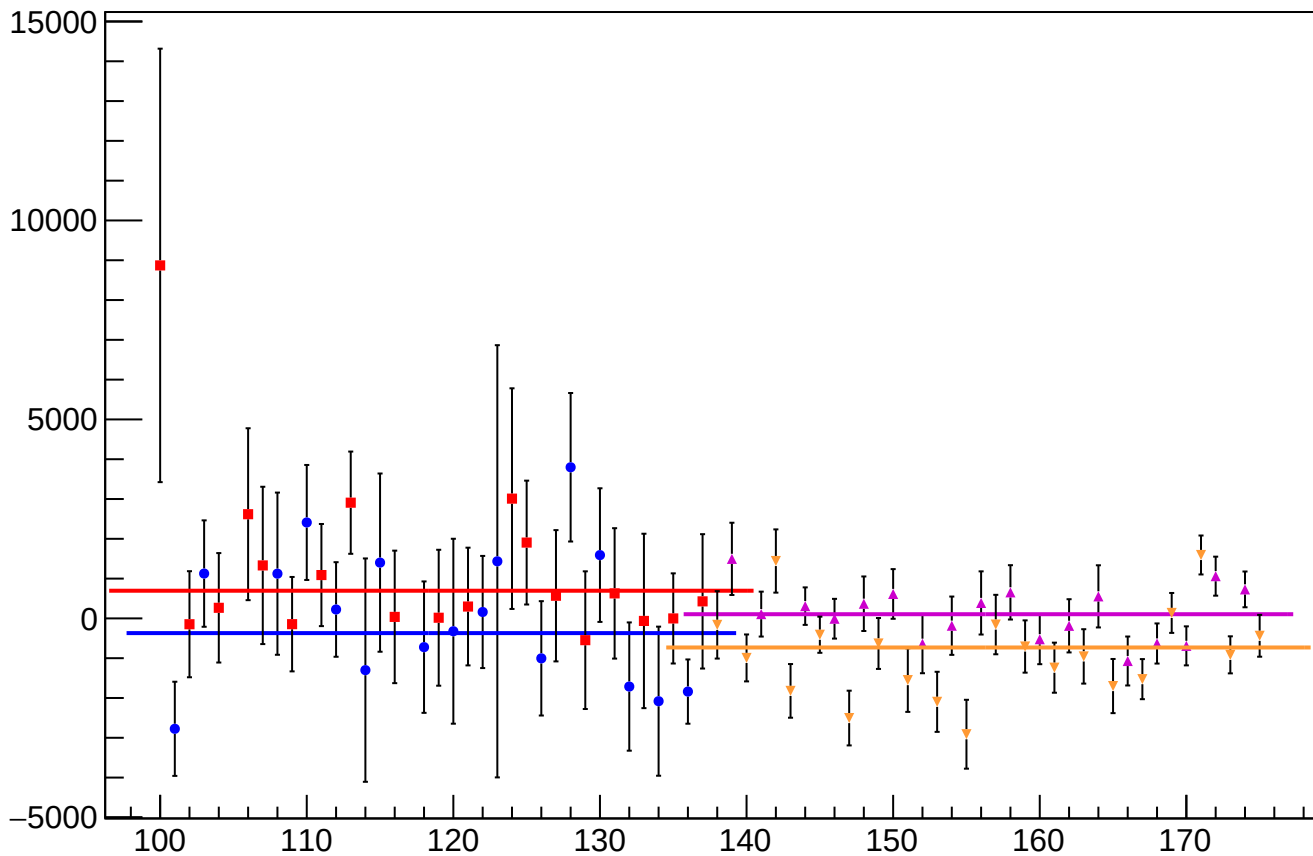
Right: 66.836 $\pm$ 0.013 χ^2 /NDF: 836536.0/35

In: 61.987 $\pm$ 0.010 χ^2 /NDF: 711696.9/34

Out: 62.432 $\pm$ 0.010 χ^2 /NDF: 773101.9/38

All: 62.215 $\pm$ 0.007 χ^2 /NDF: 1485861.8/73

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -730.831+/-136.873 χ^2/NDF :60.5/19

Right Out: 695.425+/-361.887 χ^2/NDF : 9.9/18

Left In: 105.209+/-139.682 χ^2/NDF :21.0/17

Left: -321.302+/-97.762 χ^2/NDF : 99.8/37

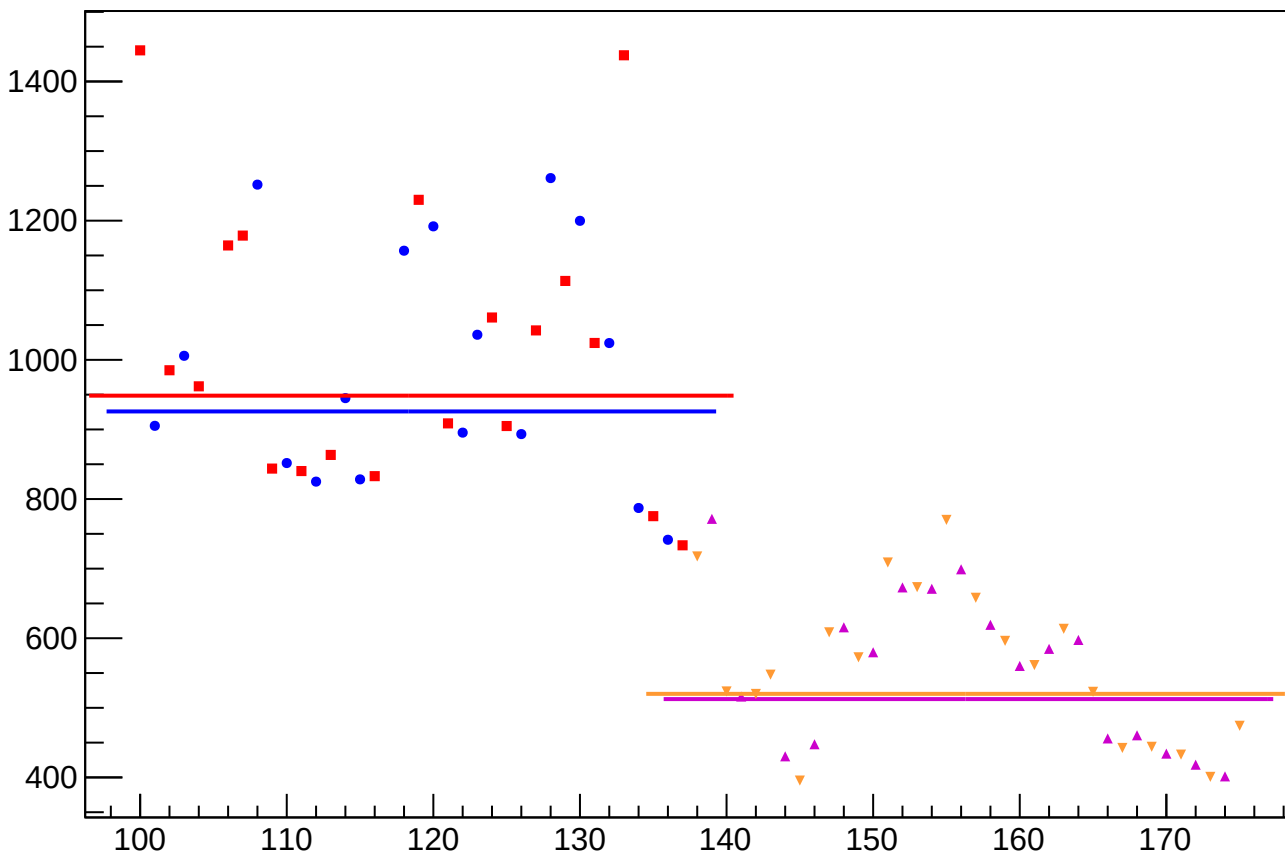
Right: 169.586+/-257.485 χ^2/NDF : 36.5/35

In: 44.976+/-130.520 χ^2/NDF :44.8/34

Out: -552.339+/-128.022 χ^2/NDF :84.0/38

All: -259.454+/-91.396 χ^2/NDF : 139.5/73

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 520.079+/-0.097 χ^2/NDF : 1115394.7/19

Right Out: 948.553+/-0.256 χ^2/NDF : 381931.9/18

Left In: 512.556+/-0.099 χ^2/NDF : 1016796.5/17

Left: 516.394+/-0.069 χ^2/NDF : 2135151.4/37

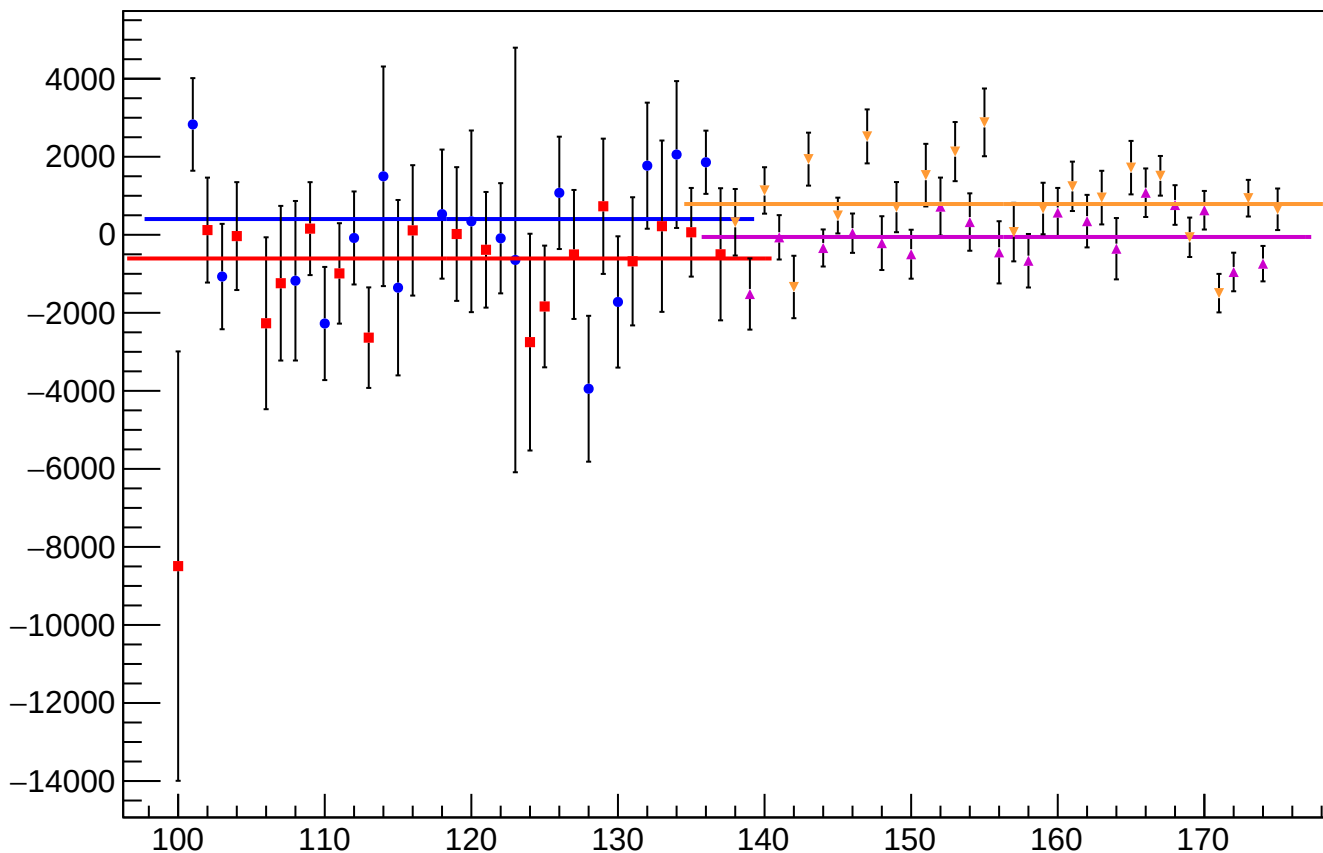
Right: 937.360+/-0.182 χ^2/NDF : 776890.8/35

In: 564.996+/-0.092 χ^2/NDF : 3629716.5/34

Out: 573.701+/-0.091 χ^2/NDF : 3950148.4/38

All: 569.433+/-0.065 χ^2/NDF : 7584399.8/73

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 788.758+/-137.906 χ^2/NDF : 56.9/19

Right Out: -607.276+/-363.327 χ^2/NDF : 8.8/18

Left In: -55.875+/-140.742 χ^2/NDF : 20.8/17

Left: 375.034+/-98.502 χ^2/NDF : 96.1/37

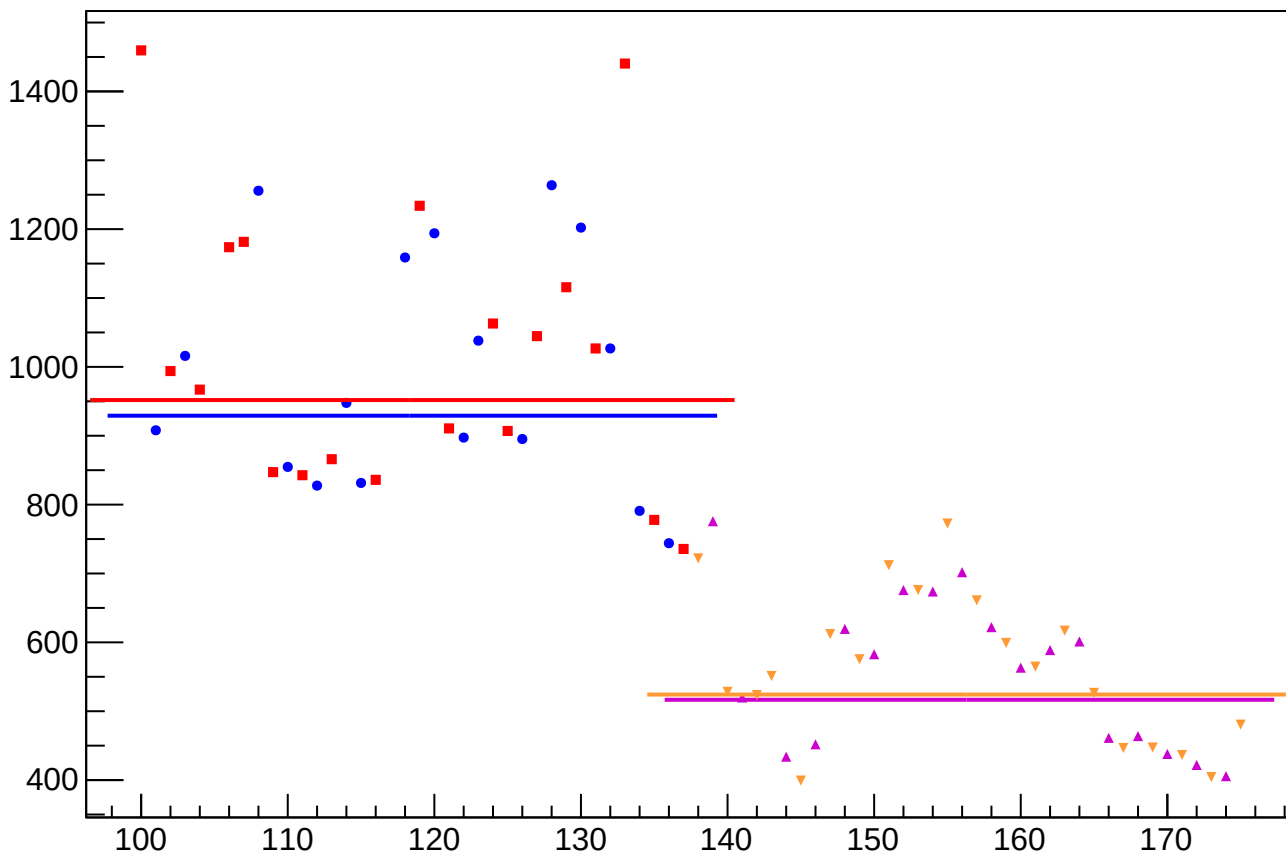
Right: -107.869+/-258.438 χ^2/NDF : 35.1/35

In: 2.842+/-131.441 χ^2/NDF : 44.6/34

Out: 612.959+/-128.931 χ^2/NDF : 78.6/38

All: 313.782+/-92.043 χ^2/NDF : 134.2/73

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 524.202 $\pm$ 0.098 χ^2 /NDF:1094440.6/19

Right Out: 951.847 $\pm$ 0.257 χ^2 /NDF: 382219.3/18

Left In: 516.639 $\pm$ 0.100 χ^2 /NDF:997384.2/17

Left: 520.497 $\pm$ 0.070 χ^2 /NDF: 2094771.5/37

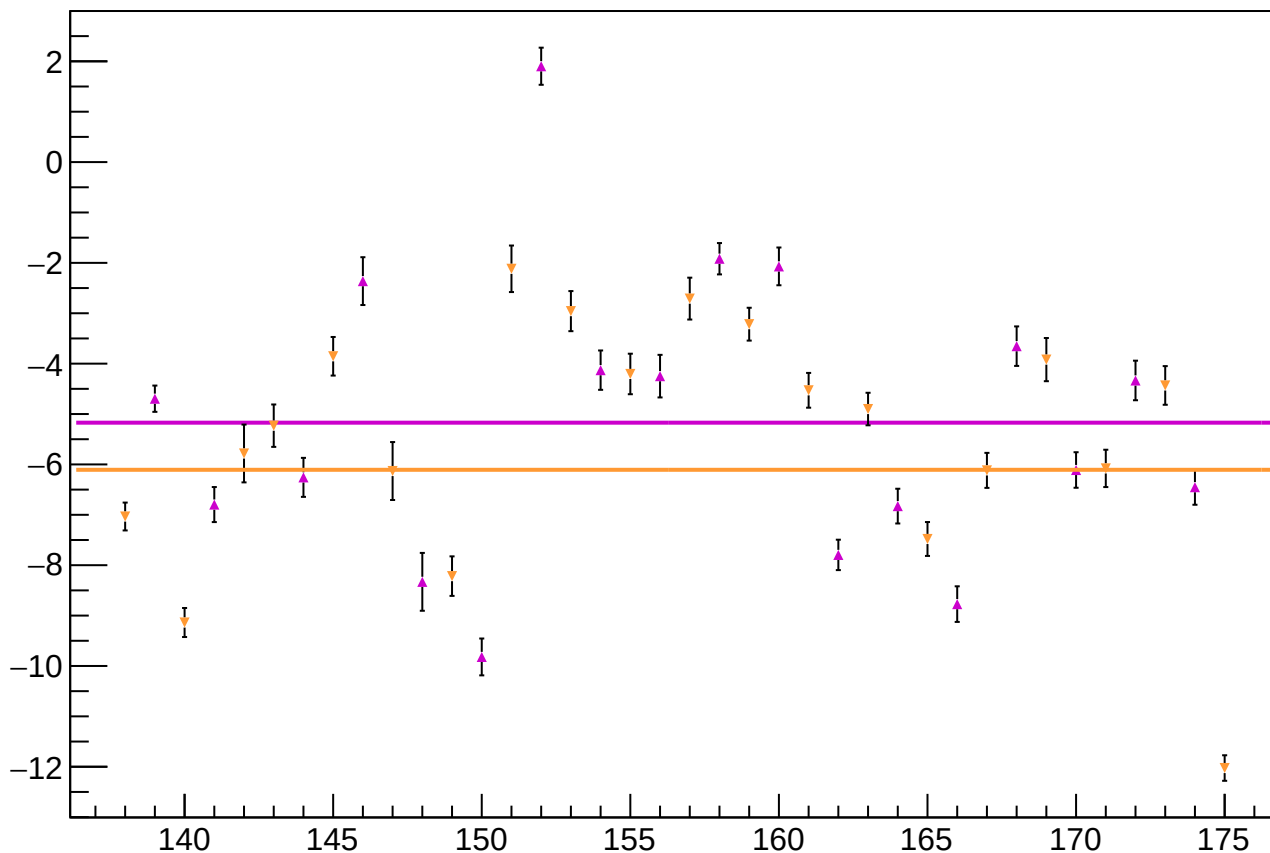
Right: 940.607 $\pm$ 0.183 χ^2 /NDF: 776385.5/35

In: 569.348 $\pm$ 0.093 χ^2 /NDF:3582778.0/34

Out: 578.054 $\pm$ 0.091 χ^2 /NDF:3898511.5/38

All: 573.785 $\pm$ 0.065 χ^2 /NDF: 7485761.1/73

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -6.107 $\pm$ 0.081 χ^2 /NDF:1137.6/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -5.172 $\pm$ 0.085 χ^2 /NDF:1061.2/17

Left: -5.663 $\pm$ 0.059 χ^2 /NDF: 2262.3/37

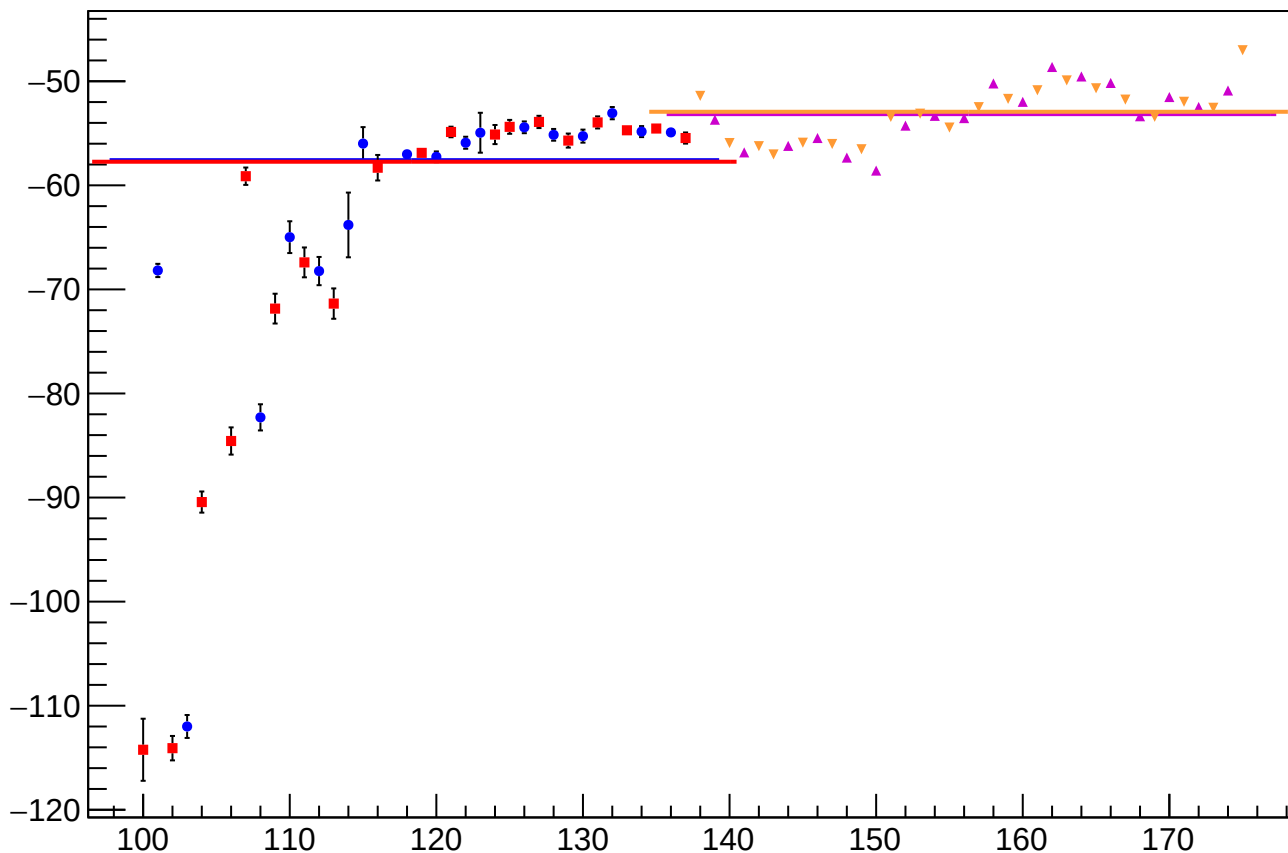
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -5.172 $\pm$ 0.085 χ^2 /NDF:1061.2/17

Out: -6.107 $\pm$ 0.081 χ^2 /NDF:1137.6/19

All: -5.663 $\pm$ 0.059 χ^2 /NDF: 2262.3/37

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581+/-0.143 χ^2/NDF : 3455.5/16

Left Out: -52.932+/-0.062 χ^2/NDF :1818.4/19

Right Out: -57.732+/-0.143 χ^2/NDF : 4698.5/18

Left In: -53.160+/-0.066 χ^2/NDF :1992.6/17

Left: -53.039+/-0.045 χ^2/NDF : 3817.3/37

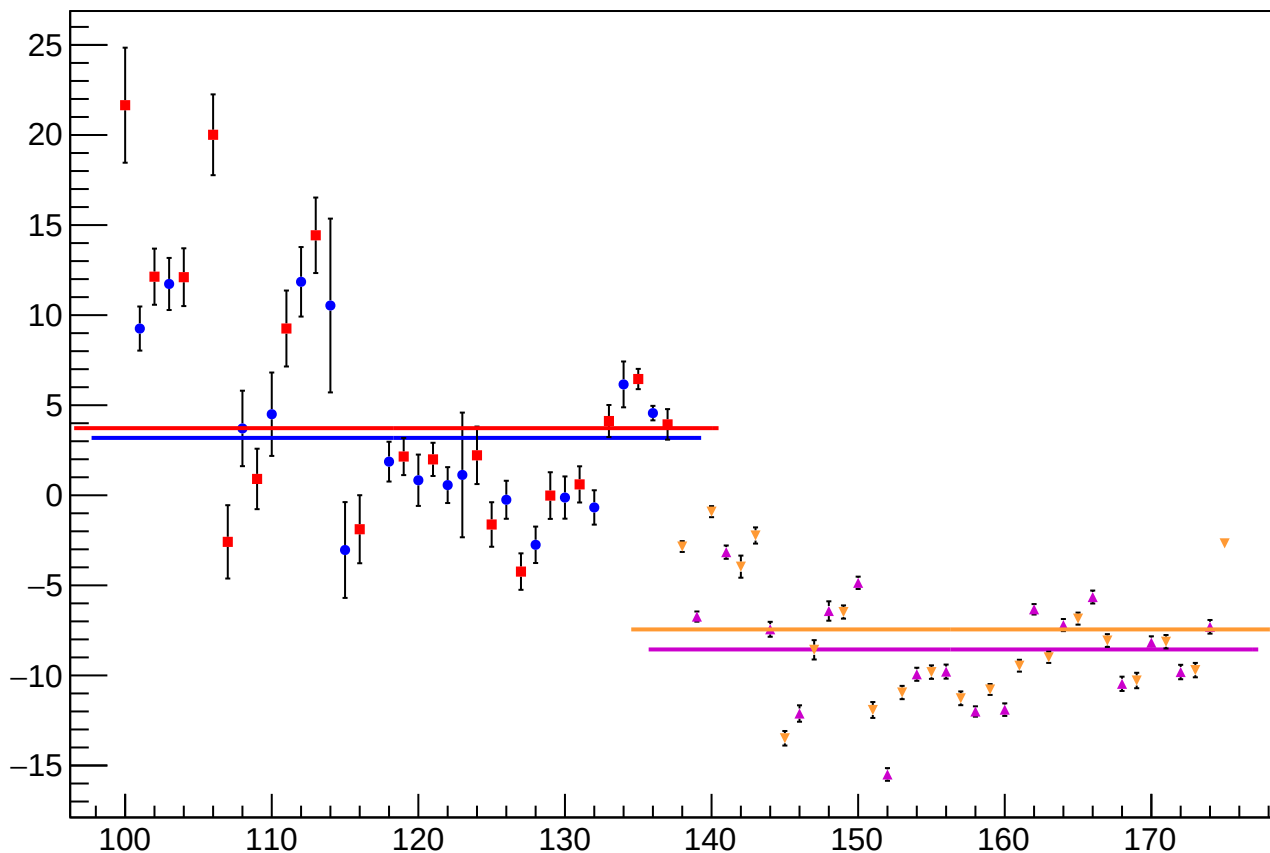
Right: -57.657+/-0.101 χ^2/NDF : 8154.5/35

In: -53.931+/-0.060 χ^2/NDF :6236.6/34

Out: -53.691+/-0.057 χ^2/NDF :7465.8/38

All: -53.805+/-0.041 χ^2/NDF : 13710.9/73

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: -7.446 ± 0.080 $\chi^2/\text{NDF}: 2050.0/19$

Right Out: 3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

Left In: -8.558 ± 0.084 $\chi^2/\text{NDF}: 1289.5/17$

Left: -7.977 ± 0.058 $\chi^2/\text{NDF}: 3430.7/37$

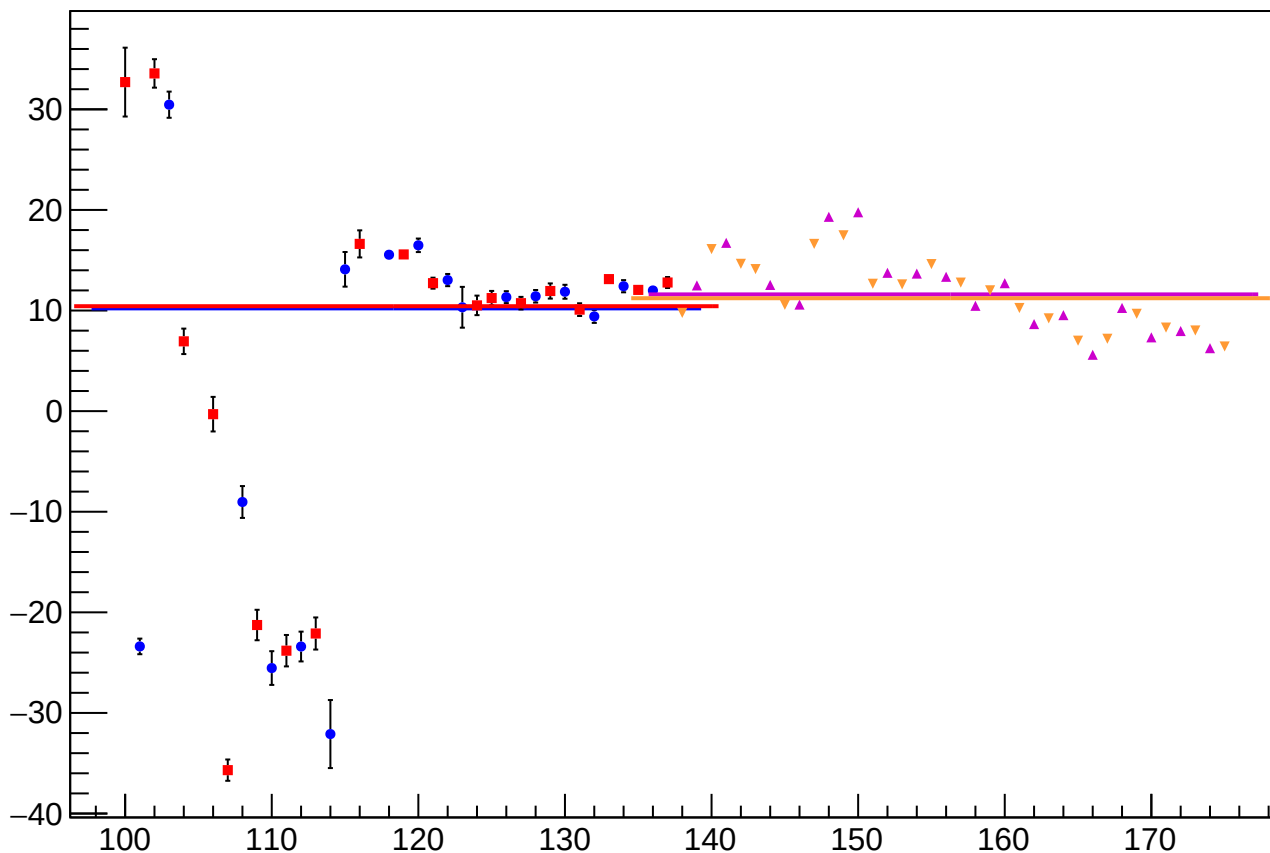
Right: 3.447 ± 0.186 $\chi^2/\text{NDF}: 512.0/35$

In: -7.436 ± 0.080 $\chi^2/\text{NDF}: 3334.6/34$

Out: -6.521 ± 0.077 $\chi^2/\text{NDF}: 3973.5/38$

All: -6.960 ± 0.056 $\chi^2/\text{NDF}: 7376.0/73$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 ± 0.158 χ^2/NDF : 3692.6/16

Left Out: 11.224 ± 0.070 χ^2/NDF : 2196.8/19

Right Out: 10.430 ± 0.160 χ^2/NDF : 3826.9/18

Left In: 11.603 ± 0.074 χ^2/NDF : 2760.2/17

Left: 11.403 ± 0.051 χ^2/NDF : 4971.1/37

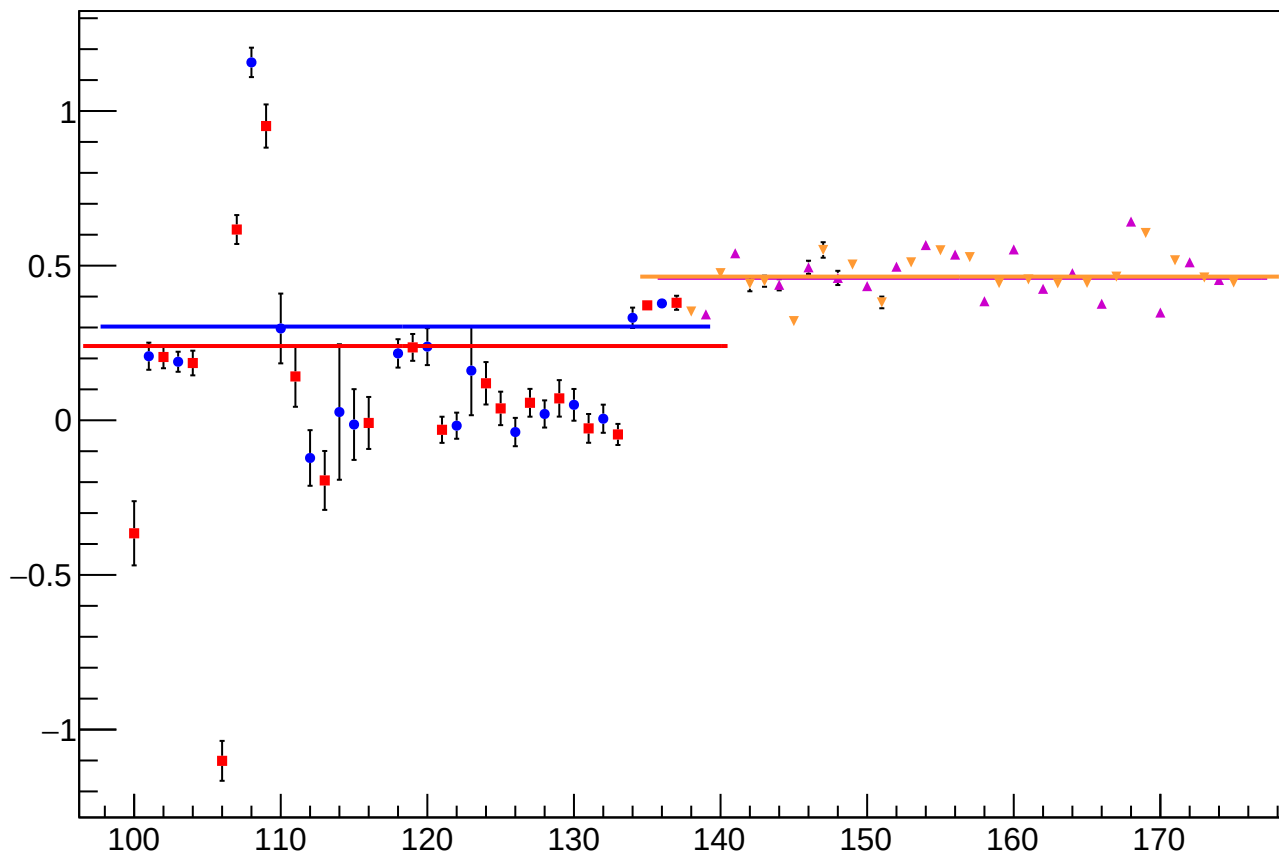
Right: 10.321 ± 0.112 χ^2/NDF : 7520.5/35

In: 11.356 ± 0.067 χ^2/NDF : 6516.3/34

Out: 11.097 ± 0.064 χ^2/NDF : 6044.4/38

All: 11.221 ± 0.046 χ^2/NDF : 12568.5/73

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.465 ± 0.003 χ^2/NDF : 404.3/19

Right Out: 0.240 ± 0.009 χ^2/NDF : 984.4/18

Left In: 0.461 ± 0.003 χ^2/NDF : 668.5/17

Left: 0.463 ± 0.002 χ^2/NDF : 1073.5/37

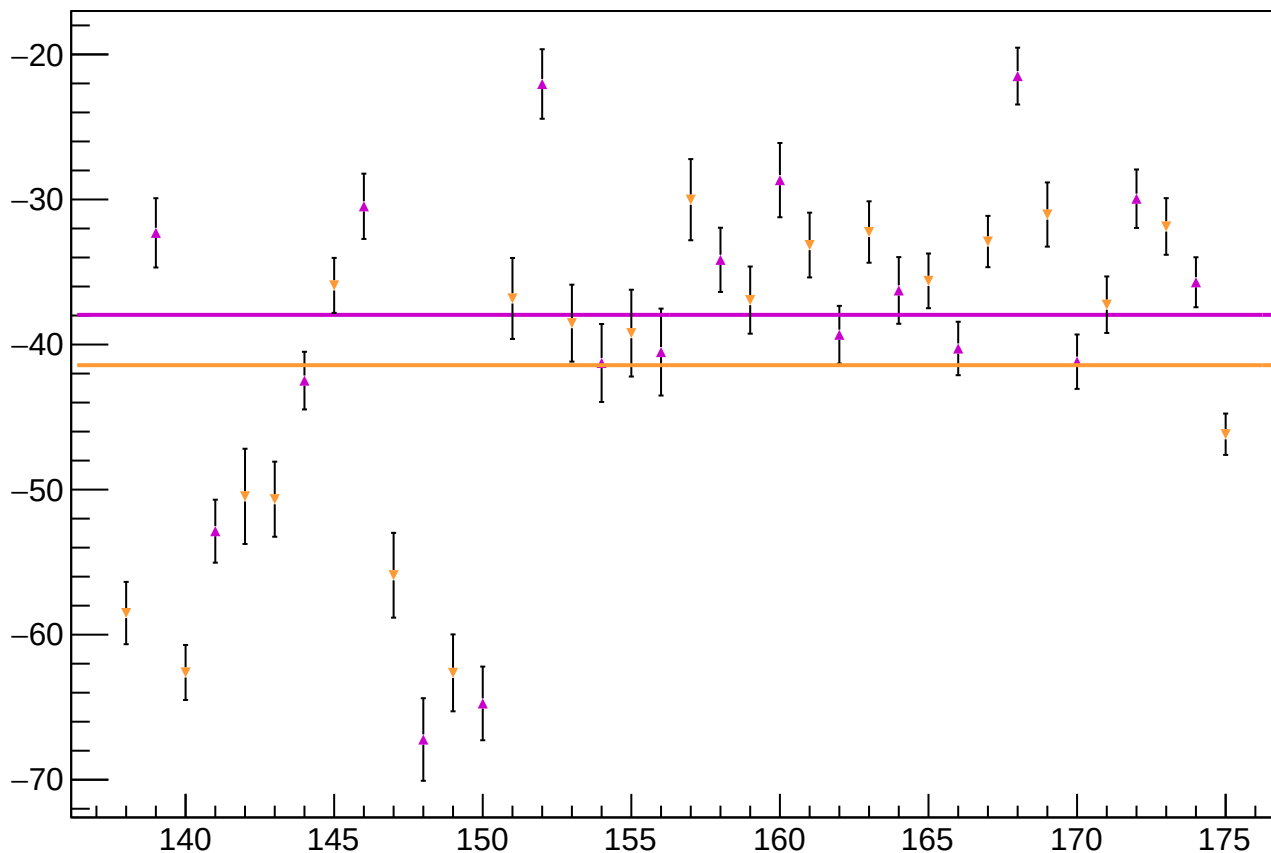
Right: 0.273 ± 0.006 χ^2/NDF : 1658.9/35

In: 0.440 ± 0.003 χ^2/NDF : 1633.4/34

Out: 0.438 ± 0.003 χ^2/NDF : 1998.2/38

All: 0.439 ± 0.002 χ^2/NDF : 3631.8/73

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -41.423 $\pm$ 0.487 χ^2 /NDF:457.4/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -37.954 $\pm$ 0.516 χ^2 /NDF:442.3/17

Left: -39.787 $\pm$ 0.354 χ^2 /NDF: 923.7/37

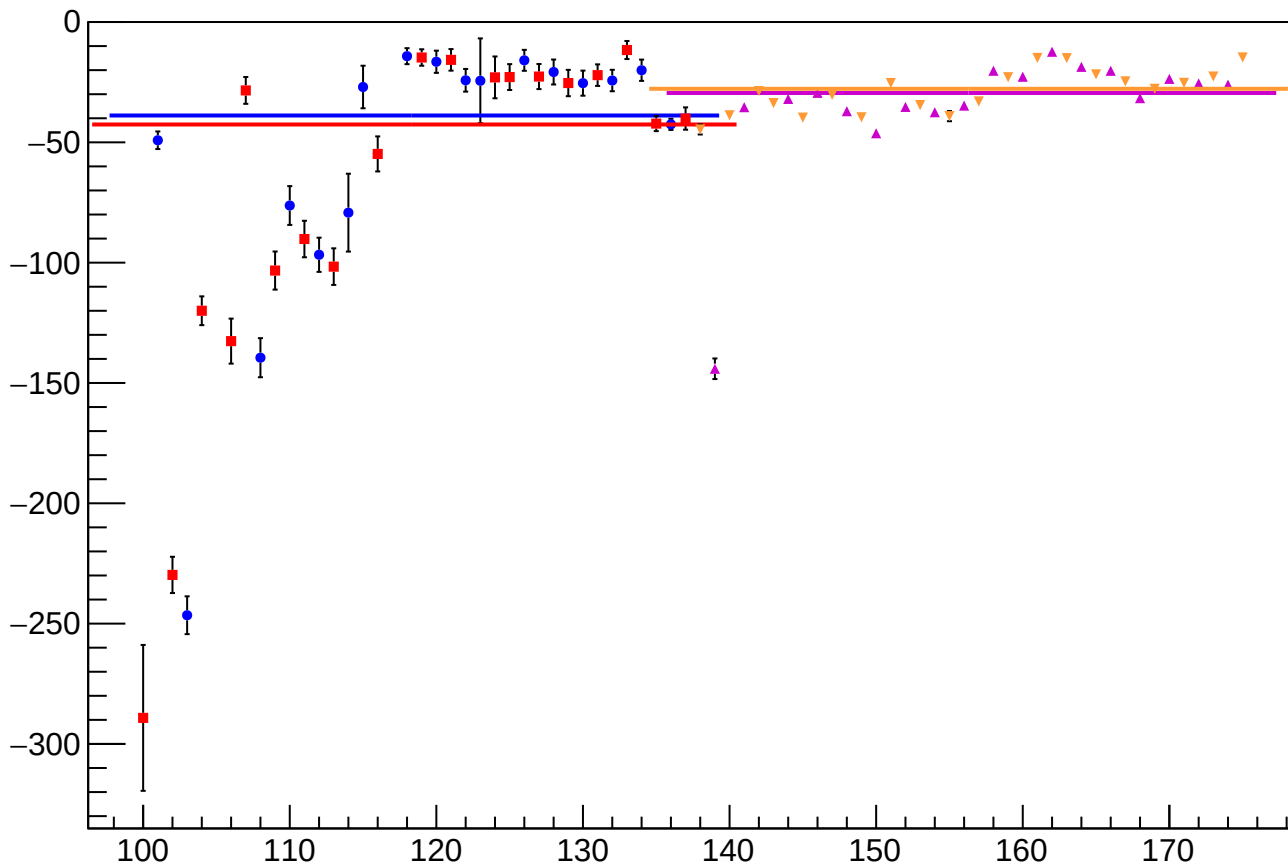
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -37.954 $\pm$ 0.516 χ^2 /NDF:442.3/17

Out: -41.423 $\pm$ 0.487 χ^2 /NDF:457.4/19

All: -39.787 $\pm$ 0.354 χ^2 /NDF: 923.7/37

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -27.745 ± 0.365 χ^2/NDF : 553.6/19

Right Out: -42.586 ± 1.210 χ^2/NDF : 1345.7/18

Left In: -29.501 ± 0.385 χ^2/NDF : 1159.1/17

Left: -28.577 ± 0.265 χ^2/NDF : 1723.6/37

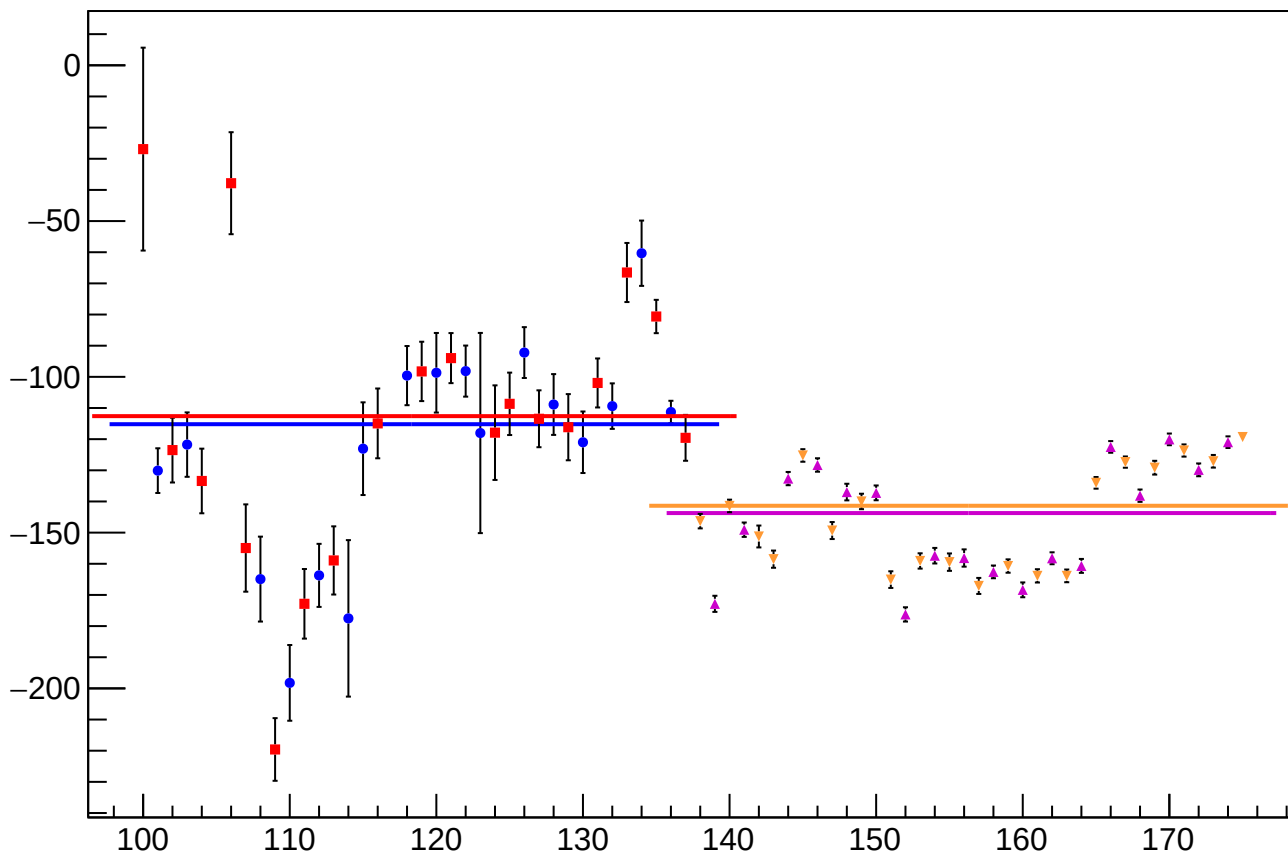
Right: -40.617 ± 0.833 χ^2/NDF : 2472.6/35

In: -30.446 ± 0.365 χ^2/NDF : 2340.5/34

Out: -28.985 ± 0.350 χ^2/NDF : 2037.1/38

All: -29.684 ± 0.253 χ^2/NDF : 4386.0/73

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -141.378 ± 0.486 $\chi^2/\text{NDF}: 1187.5/19$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

Left In: -143.722 ± 0.513 $\chi^2/\text{NDF}: 1278.9/17$

Left: -142.487 ± 0.353 $\chi^2/\text{NDF}: 2477.4/37$

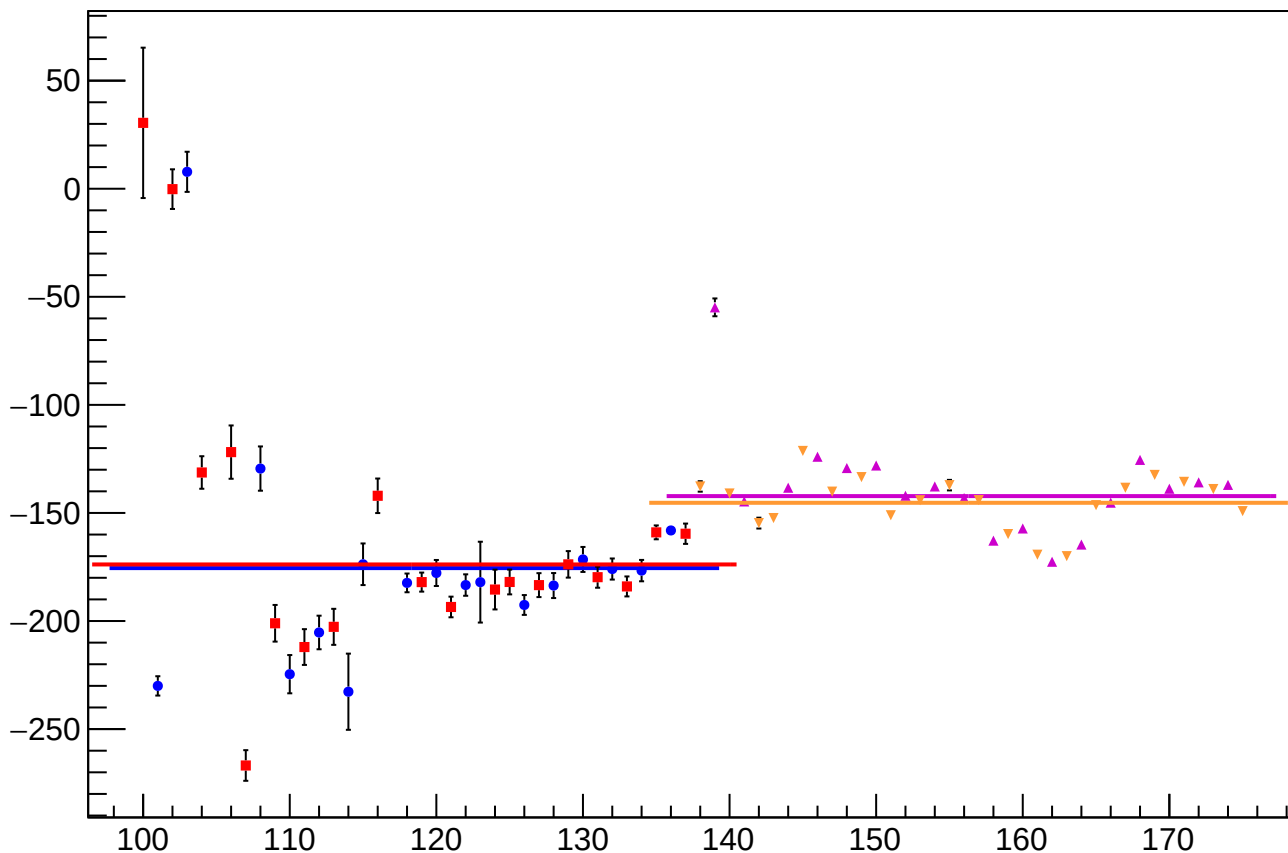
Right: -113.982 ± 1.515 $\chi^2/\text{NDF}: 413.9/35$

In: -142.091 ± 0.498 $\chi^2/\text{NDF}: 1596.7/34$

Out: -140.051 ± 0.475 $\chi^2/\text{NDF}: 1621.6/38$

All: -141.022 ± 0.343 $\chi^2/\text{NDF}: 3227.1/73$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected

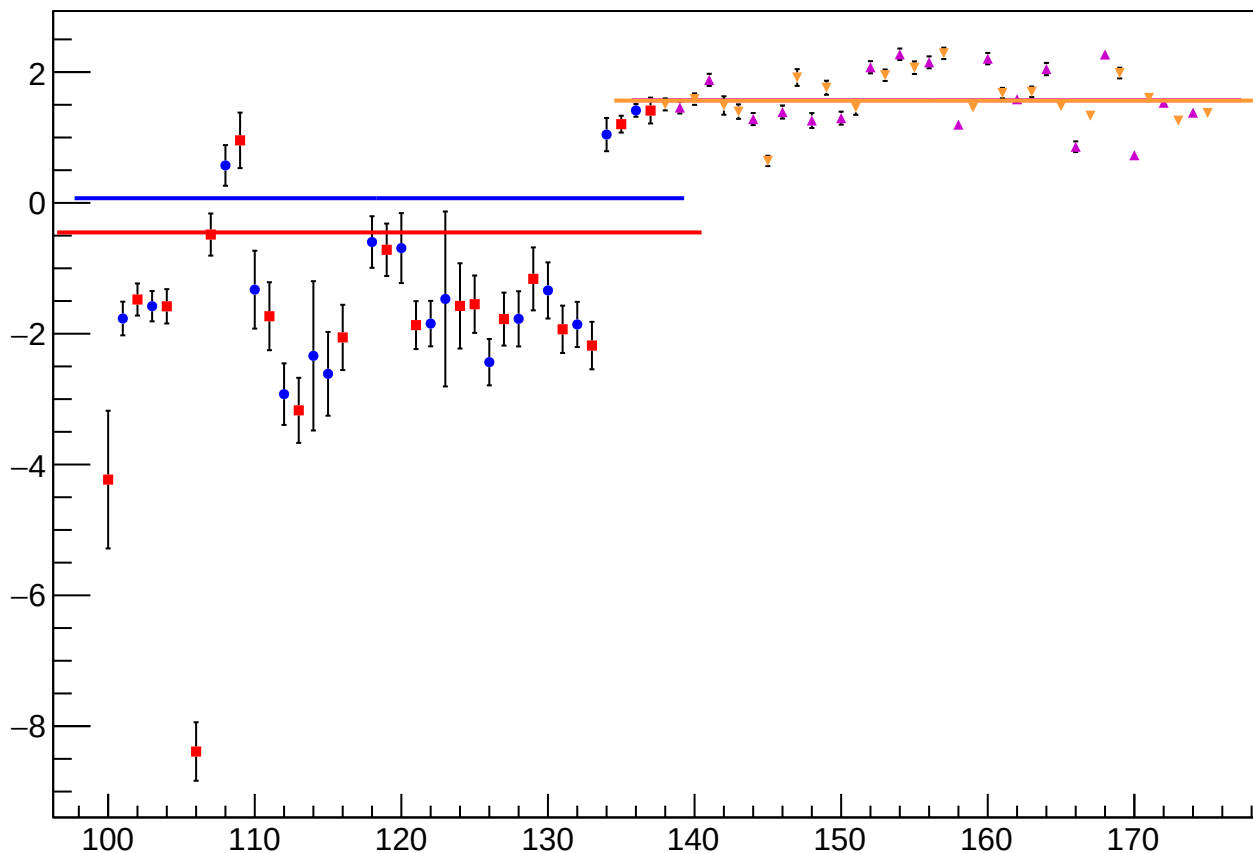


Left: -143.837±/-0.301 χ^2/NDF : 2398.9/37
 Right: -174.726±/-0.930 χ^2/NDF : 1431.0/35

Right In: -175.521±/-1.277 χ^2/NDF : 692.3/16
 Left Out: -145.302±/-0.415 χ^2/NDF : 909.1/19
 Right Out: -173.830±/-1.357 χ^2/NDF : 737.9/18
 Left In: -142.207±/-0.437 χ^2/NDF : 1463.4/17

In: -145.705±/-0.414 χ^2/NDF : 2764.7/34
 Out: -147.739±/-0.396 χ^2/NDF : 2051.5/38
 All: -146.766±/-0.286 χ^2/NDF : 4828.8/73

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.564 ± 0.019 χ^2/NDF : 336.0/19

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

Left In: 1.569 ± 0.020 χ^2/NDF : 599.3/17

Left: 1.567 ± 0.014 χ^2/NDF : 935.3/37

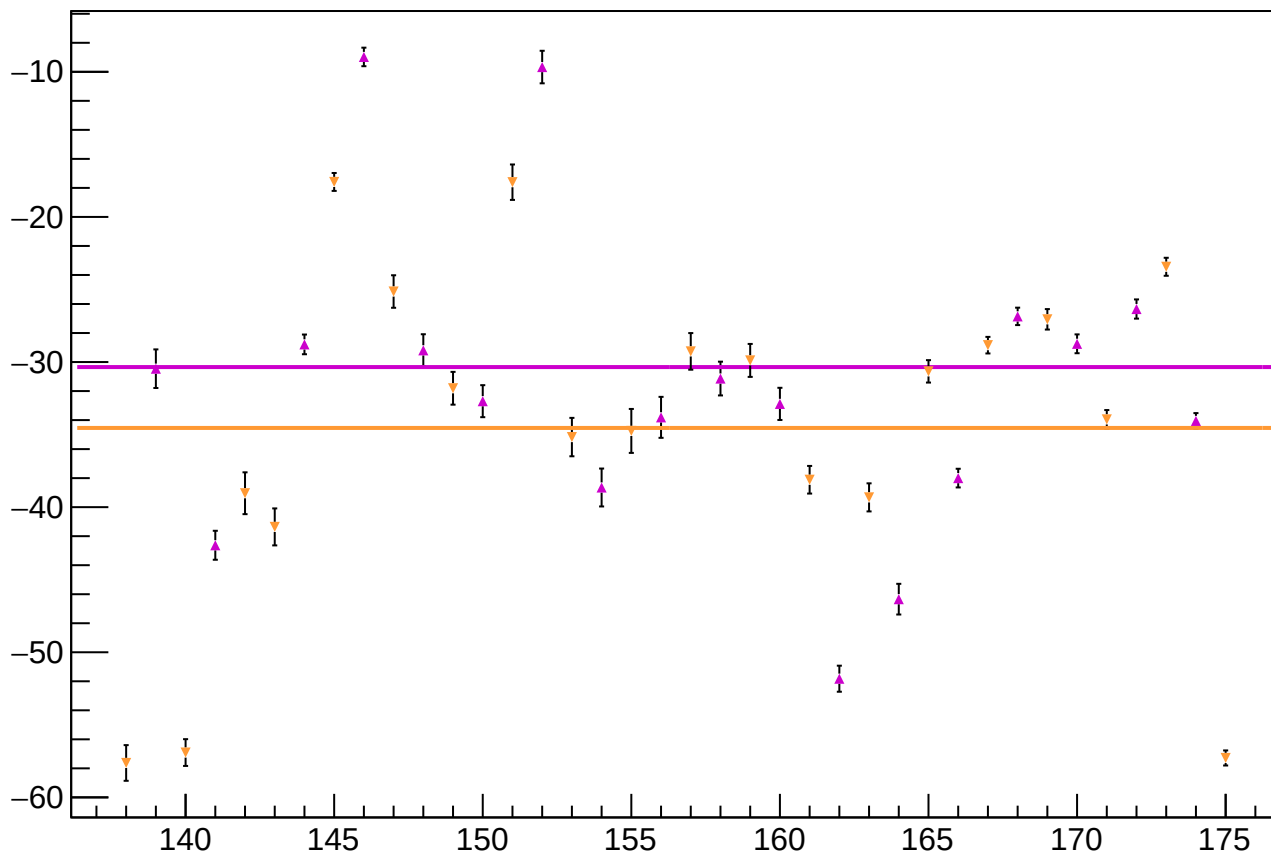
Right: -0.174 ± 0.049 χ^2/NDF : 1305.0/35

In: 1.449 ± 0.019 χ^2/NDF : 1582.2/34

Out: 1.428 ± 0.019 χ^2/NDF : 1831.6/38

All: 1.438 ± 0.013 χ^2/NDF : 3414.4/73

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -34.541 $\pm$ 0.189 χ^2/NDF :4553.8/19

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -30.346 $\pm$ 0.194 χ^2/NDF :2741.3/17

Left: -32.489 $\pm$ 0.135 χ^2/NDF : 7535.0/37

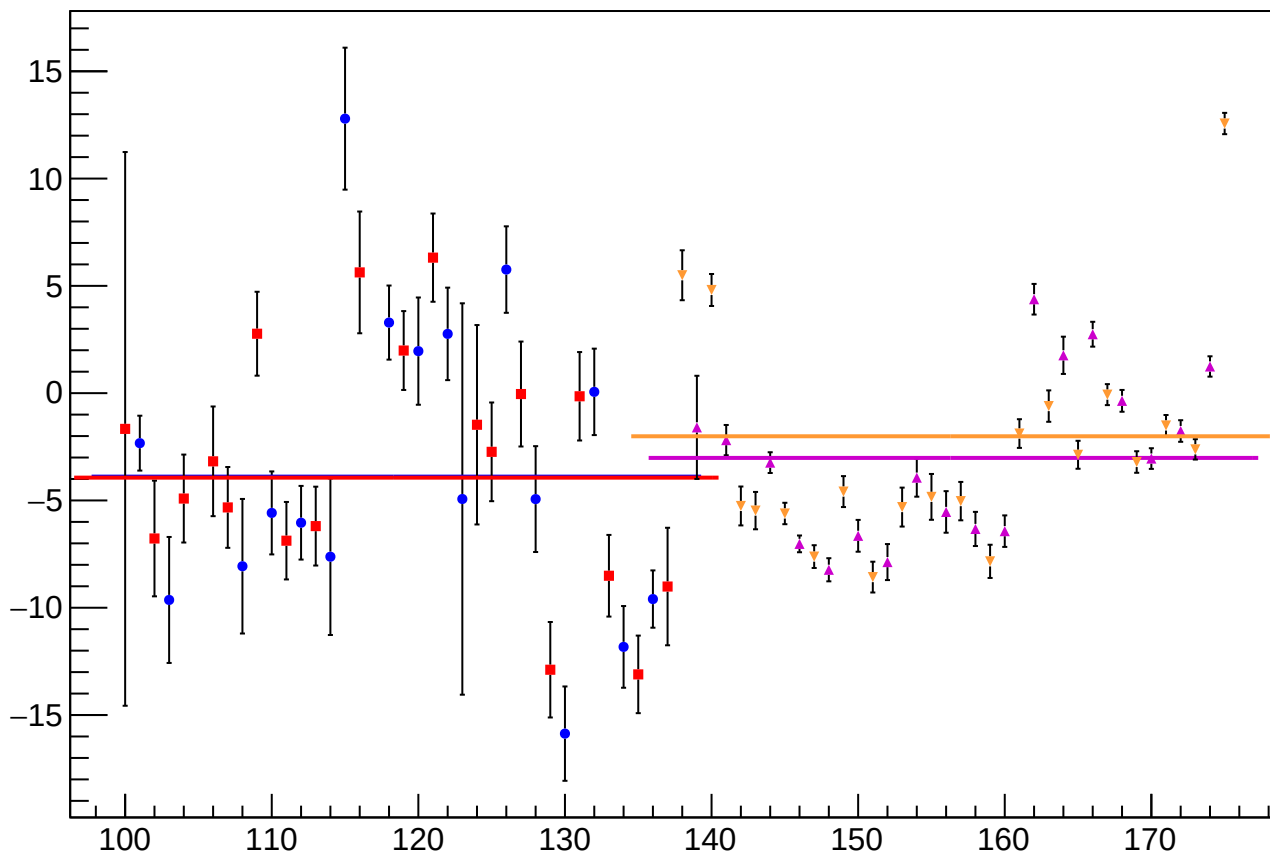
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -30.346 $\pm$ 0.194 χ^2/NDF :2741.3/17

Out: -34.541 $\pm$ 0.189 χ^2/NDF :4553.8/19

All: -32.489 $\pm$ 0.135 χ^2/NDF : 7535.0/37

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890+/-0.498 χ^2/NDF : 160.5/16

Left Out: -2.010+/-0.143 χ^2/NDF :1394.0/19

Right Out: -3.937+/-0.507 χ^2/NDF : 122.2/18

Left In: -3.018+/-0.144 χ^2/NDF :656.1/17

Left: -2.511+/-0.101 χ^2/NDF : 2074.8/37

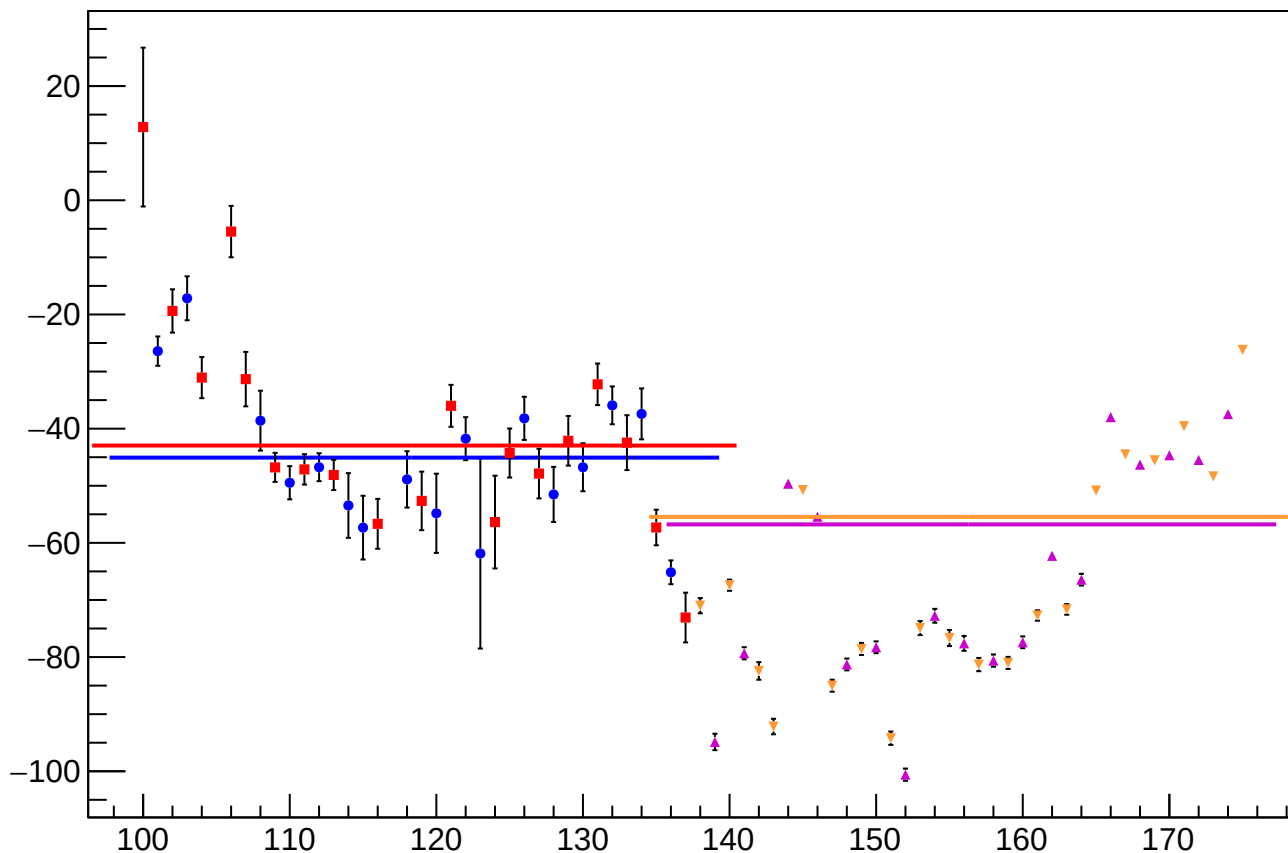
Right: -3.913+/-0.355 χ^2/NDF : 282.6/35

In: -3.085+/-0.138 χ^2/NDF :819.4/34

Out: -2.152+/-0.138 χ^2/NDF :1529.6/38

All: -2.617+/-0.098 χ^2/NDF : 2371.9/73

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 $\chi^2/\text{NDF}: 229.7/16$
 Left Out: -55.452 ± 0.190 $\chi^2/\text{NDF}: 10433.2/19$
 Right Out: -42.959 ± 0.878 $\chi^2/\text{NDF}: 248.3/18$
 Left In: -56.769 ± 0.194 $\chi^2/\text{NDF}: 8205.1/17$

Left: -56.096 ± 0.136 $\chi^2/\text{NDF}: 18661.8/37$

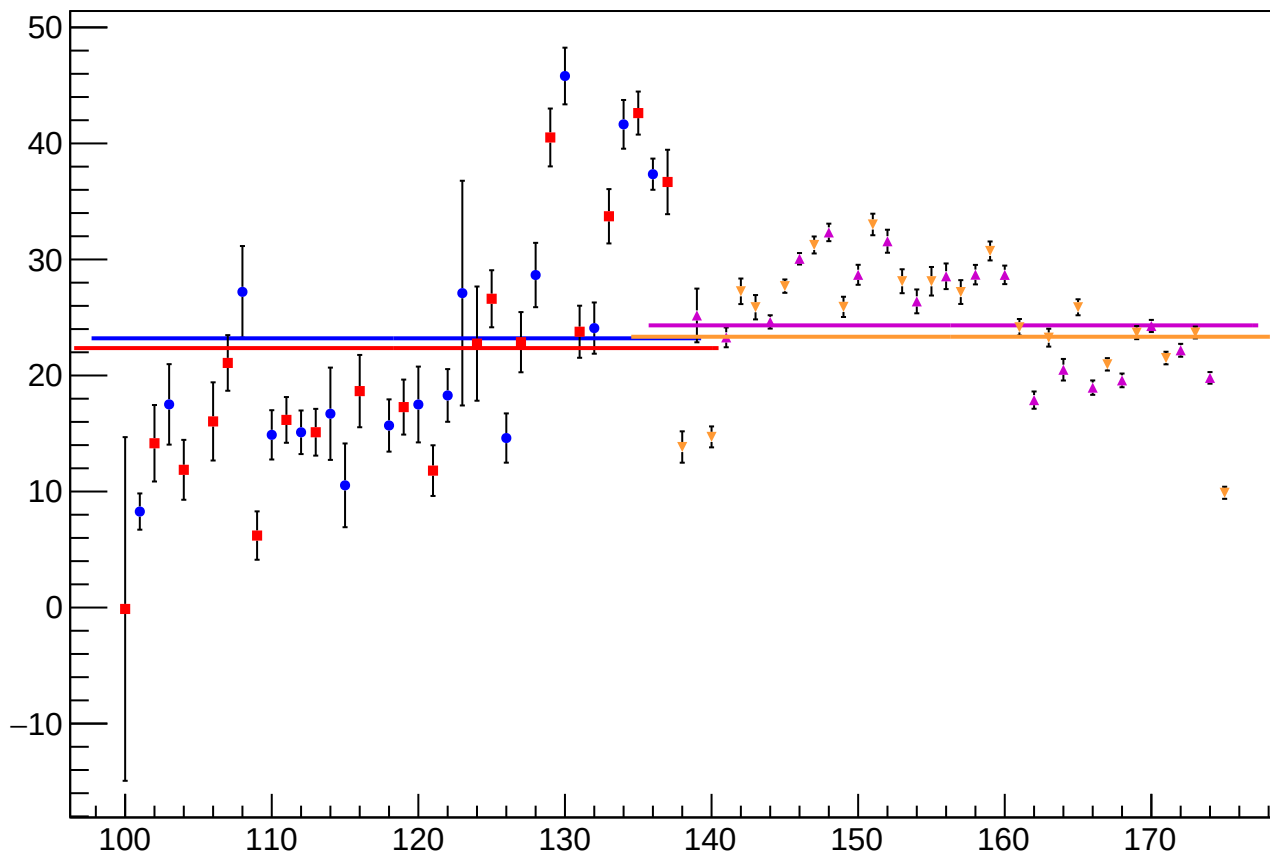
Right: -44.008 ± 0.623 $\chi^2/\text{NDF}: 480.9/35$

In: -56.229 ± 0.190 $\chi^2/\text{NDF}: 8602.2/34$

Out: -54.893 ± 0.186 $\chi^2/\text{NDF}: 10875.0/38$

All: -55.547 ± 0.133 $\chi^2/\text{NDF}: 19502.5/73$

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: 23.339 $\pm$ 0.162 χ^2 /NDF:1295.2/19

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

Left In: 24.320 $\pm$ 0.165 χ^2 /NDF:731.7/17

Left: 23.821 $\pm$ 0.115 χ^2 /NDF: 2044.9/37

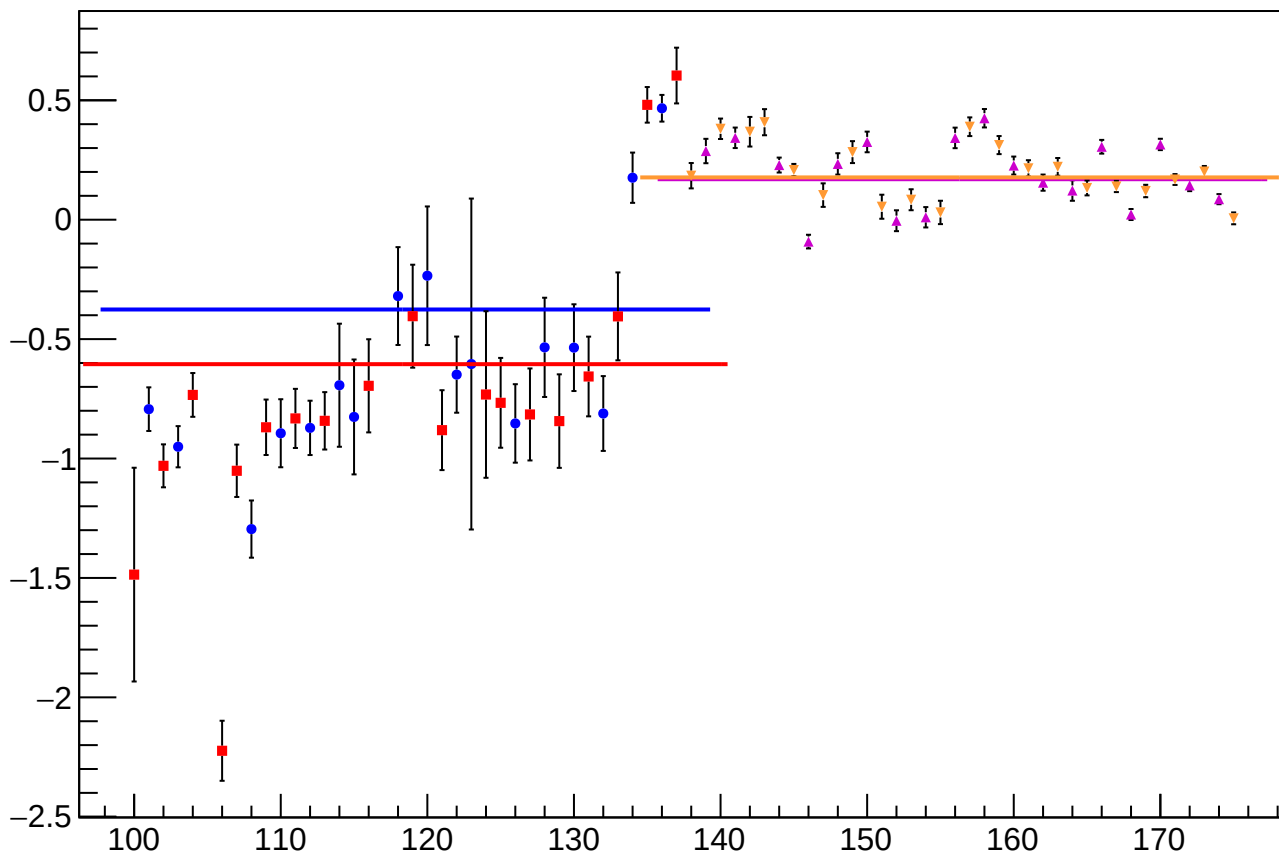
Right: 22.793 $\pm$ 0.400 χ^2 /NDF: 825.2/35

In: 24.230 $\pm$ 0.158 χ^2 /NDF:1192.6/34

Out: 23.267 $\pm$ 0.156 χ^2 /NDF:1664.8/38

All: 23.742 $\pm$ 0.111 χ^2 /NDF: 2876.2/73

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.177 ± 0.007 $\chi^2/\text{NDF}: 181.5/19$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

Left In: 0.170 ± 0.008 $\chi^2/\text{NDF}: 334.6/17$

Left: 0.173 ± 0.005 $\chi^2/\text{NDF}: 516.6/37$

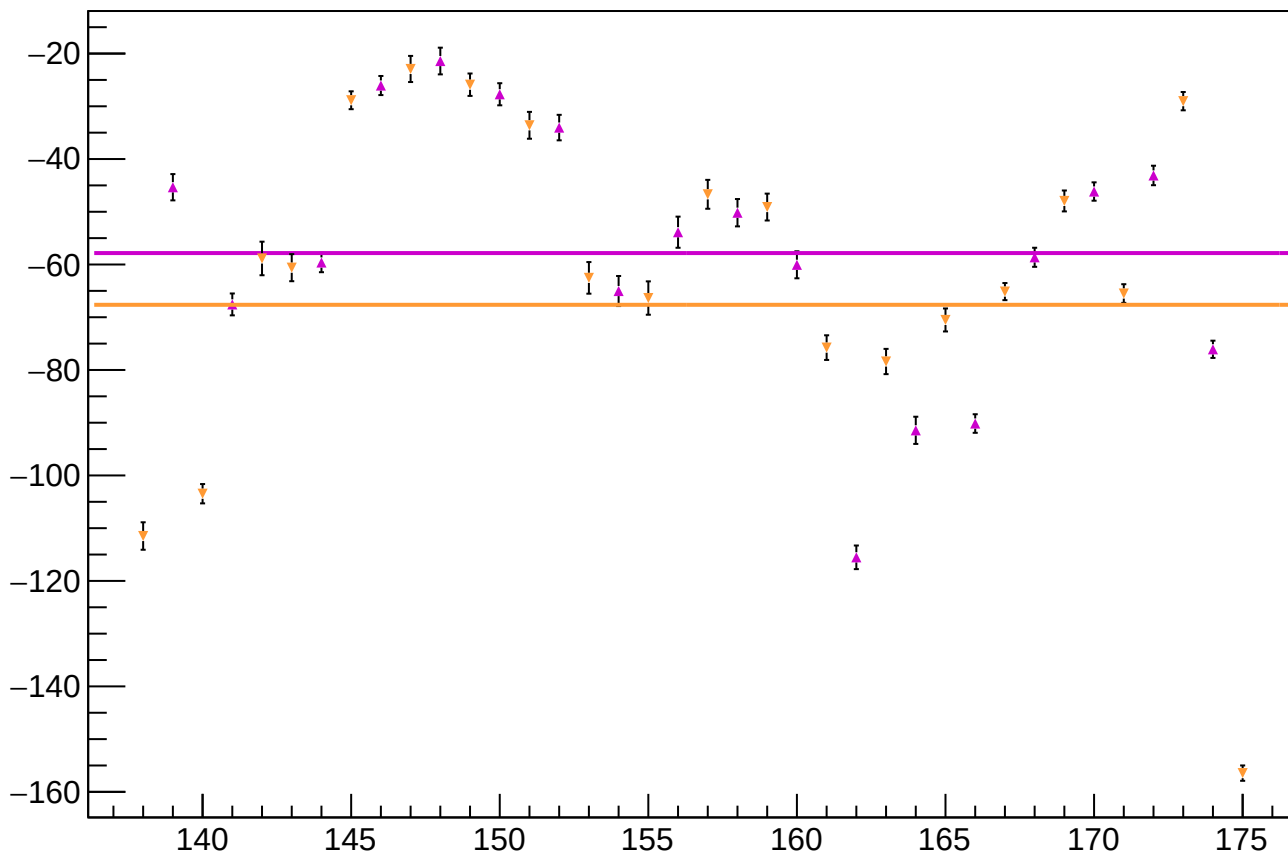
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.2/35$

In: 0.137 ± 0.007 $\chi^2/\text{NDF}: 1080.3/34$

Out: 0.132 ± 0.007 $\chi^2/\text{NDF}: 1363.4/38$

All: 0.134 ± 0.005 $\chi^2/\text{NDF}: 2443.9/73$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -67.642+/-0.476 χ^2/NDF : 6564.0/19

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

Left In: -57.832+/-0.496 χ^2/NDF : 2287.5/17

Left: -62.936+/-0.344 χ^2/NDF : 9054.9/37

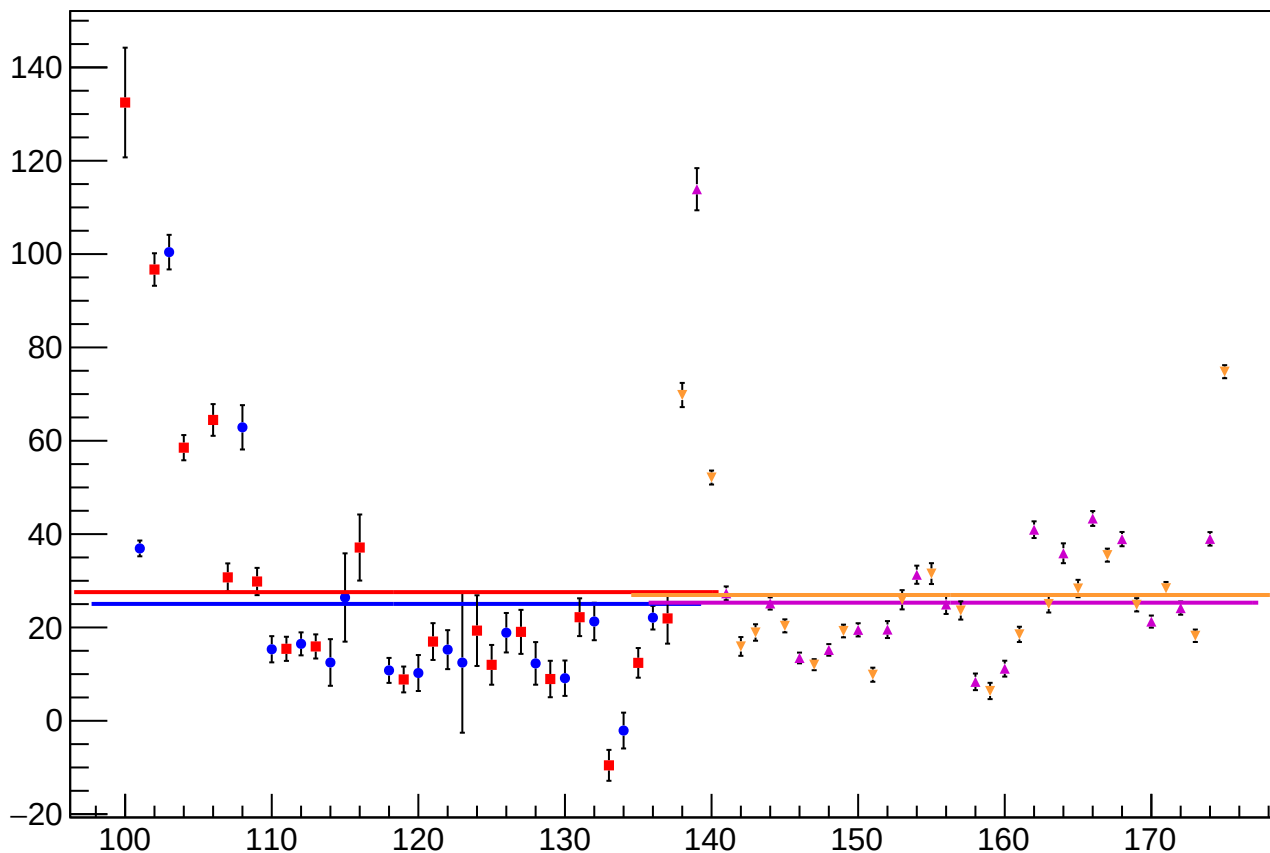
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -57.832+/-0.496 χ^2/NDF : 2287.5/17

Out: -67.642+/-0.476 χ^2/NDF : 6564.0/19

All: -62.936+/-0.344 χ^2/NDF : 9054.9/37

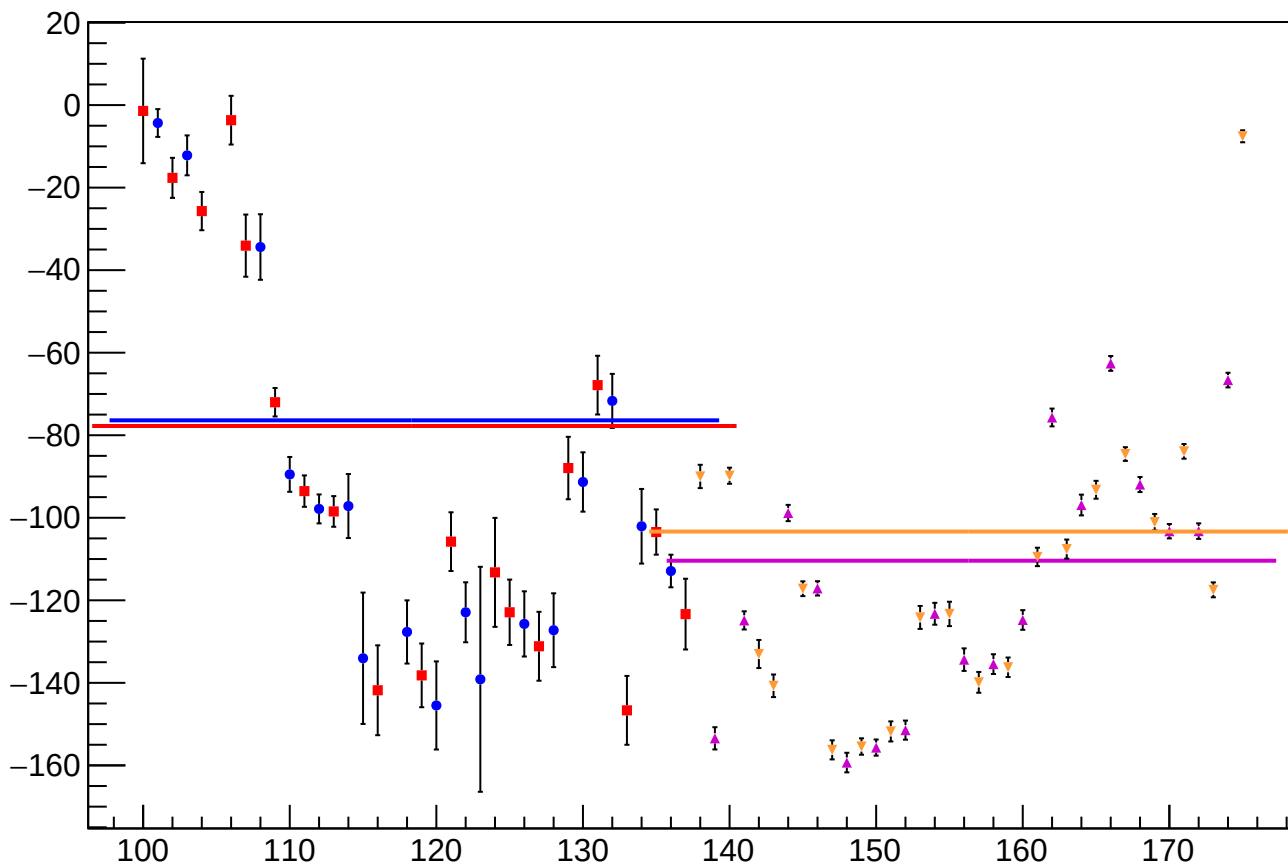
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16
 Left Out: 26.957 ± 0.354 χ^2/NDF : 2374.8/19
 Right Out: 27.573 ± 0.810 χ^2/NDF : 1012.8/18
 Left In: 25.307 ± 0.368 χ^2/NDF : 1163.2/17

Left: 26.164 ± 0.255 χ^2/NDF : 3548.4/37
 Right: 26.303 ± 0.571 χ^2/NDF : 1704.1/35
 In: 25.262 ± 0.335 χ^2/NDF : 1849.7/34
 Out: 27.056 ± 0.324 χ^2/NDF : 3388.0/38
 All: 26.188 ± 0.233 χ^2/NDF : 5252.6/73

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: -103.340 ± 0.476 $\chi^2/\text{NDF}: 7174.8/19$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

Left In: -110.405 ± 0.494 $\chi^2/\text{NDF}: 3605.9/17$

Left: -106.737 ± 0.343 $\chi^2/\text{NDF}: 10886.7/37$

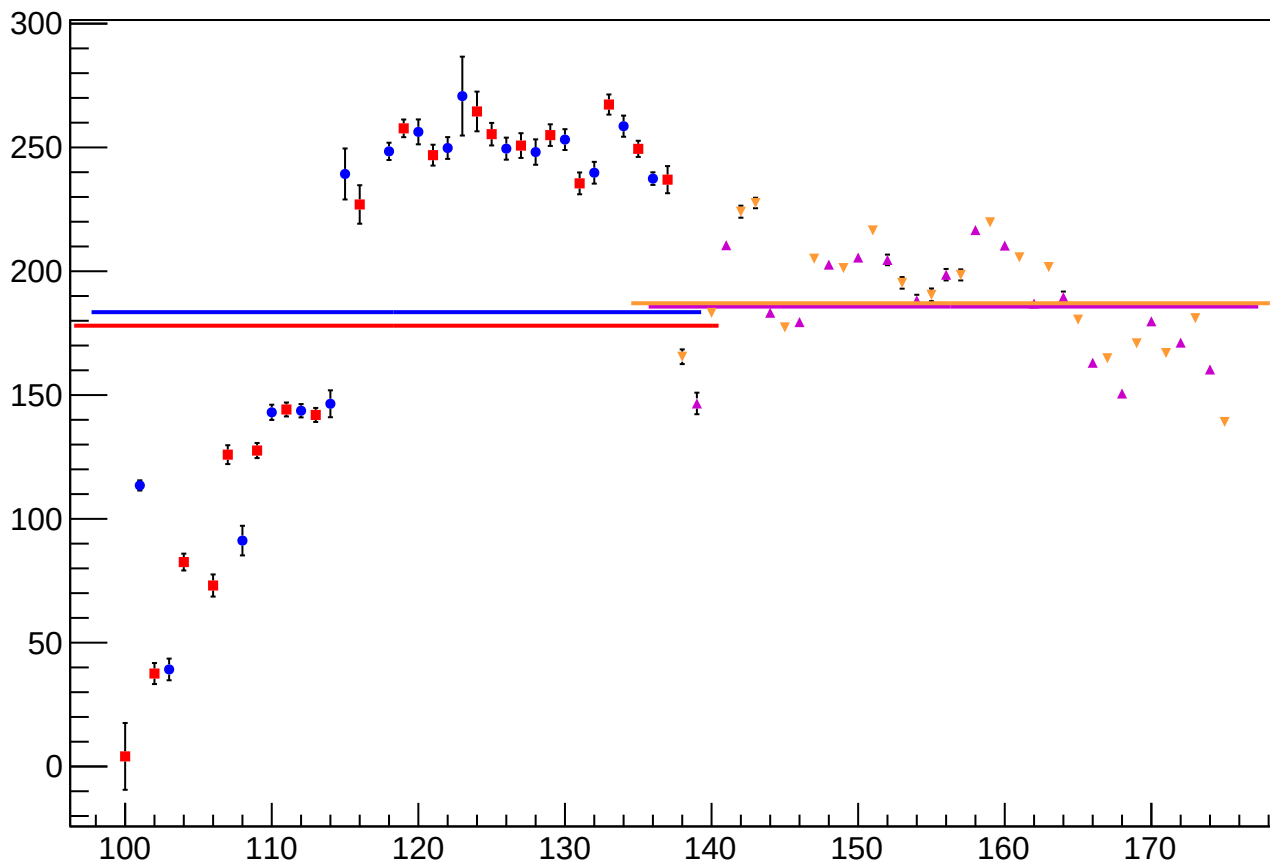
Right: -77.108 ± 0.978 $\chi^2/\text{NDF}: 1905.1/35$

In: -106.711 ± 0.467 $\chi^2/\text{NDF}: 5152.0/34$

Out: -100.526 ± 0.449 $\chi^2/\text{NDF}: 8365.6/38$

All: -103.497 ± 0.323 $\chi^2/\text{NDF}: 13608.9/73$

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: 187.083 $\pm$ 0.404 χ^2 /NDF:3232.2/19

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

Left In: 185.728 $\pm$ 0.421 χ^2 /NDF:2049.0/17

Left: 186.433 $\pm$ 0.292 χ^2 /NDF: 5286.6/37

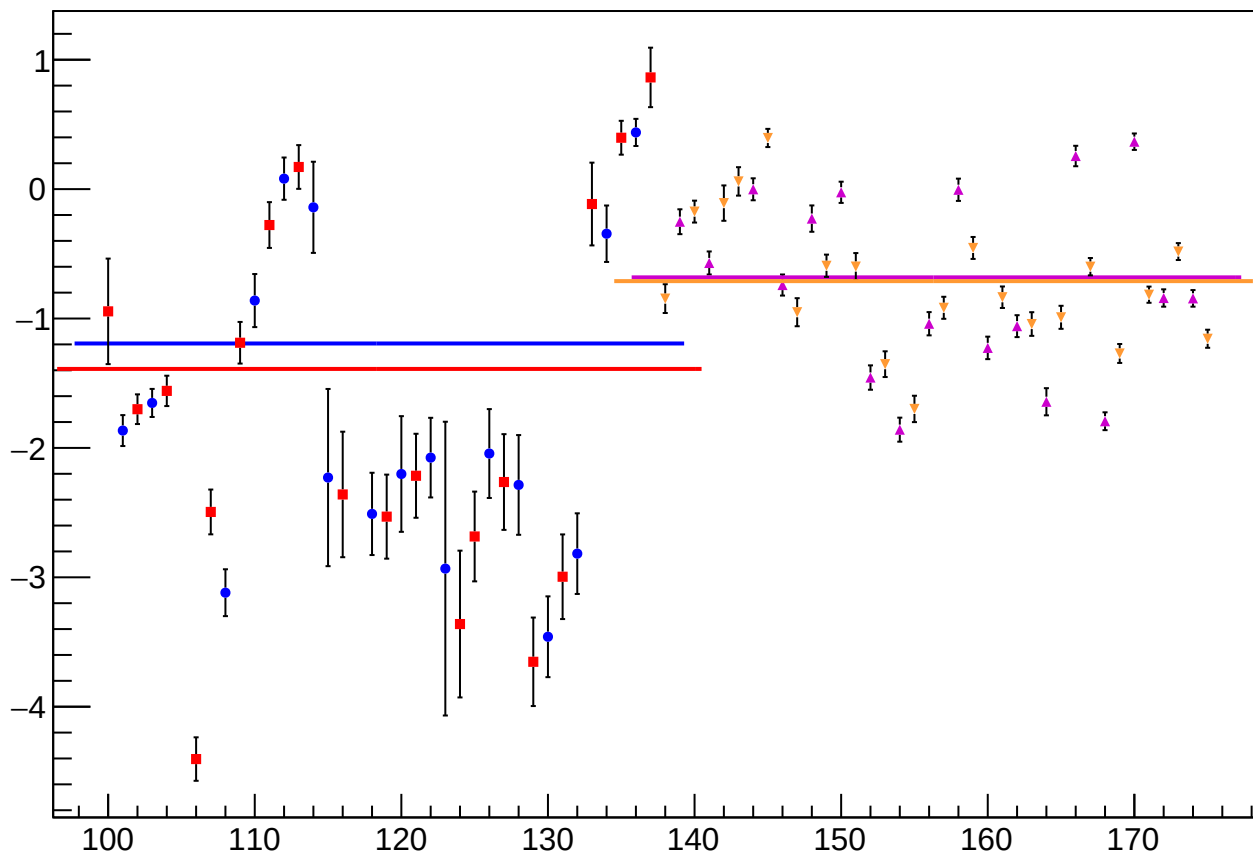
Right: 180.761 $\pm$ 0.651 χ^2 /NDF: 11694.8/35

In: 185.337 $\pm$ 0.383 χ^2 /NDF:7385.4/34

Out: 185.625 $\pm$ 0.370 χ^2 /NDF:9658.9/38

All: 185.486 $\pm$ 0.266 χ^2 /NDF: 17044.5/73

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.711 ± 0.019 χ^2/NDF : 658.3/19

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.682 ± 0.019 χ^2/NDF : 1305.0/17

Left: -0.697 ± 0.013 χ^2/NDF : 1964.5/37

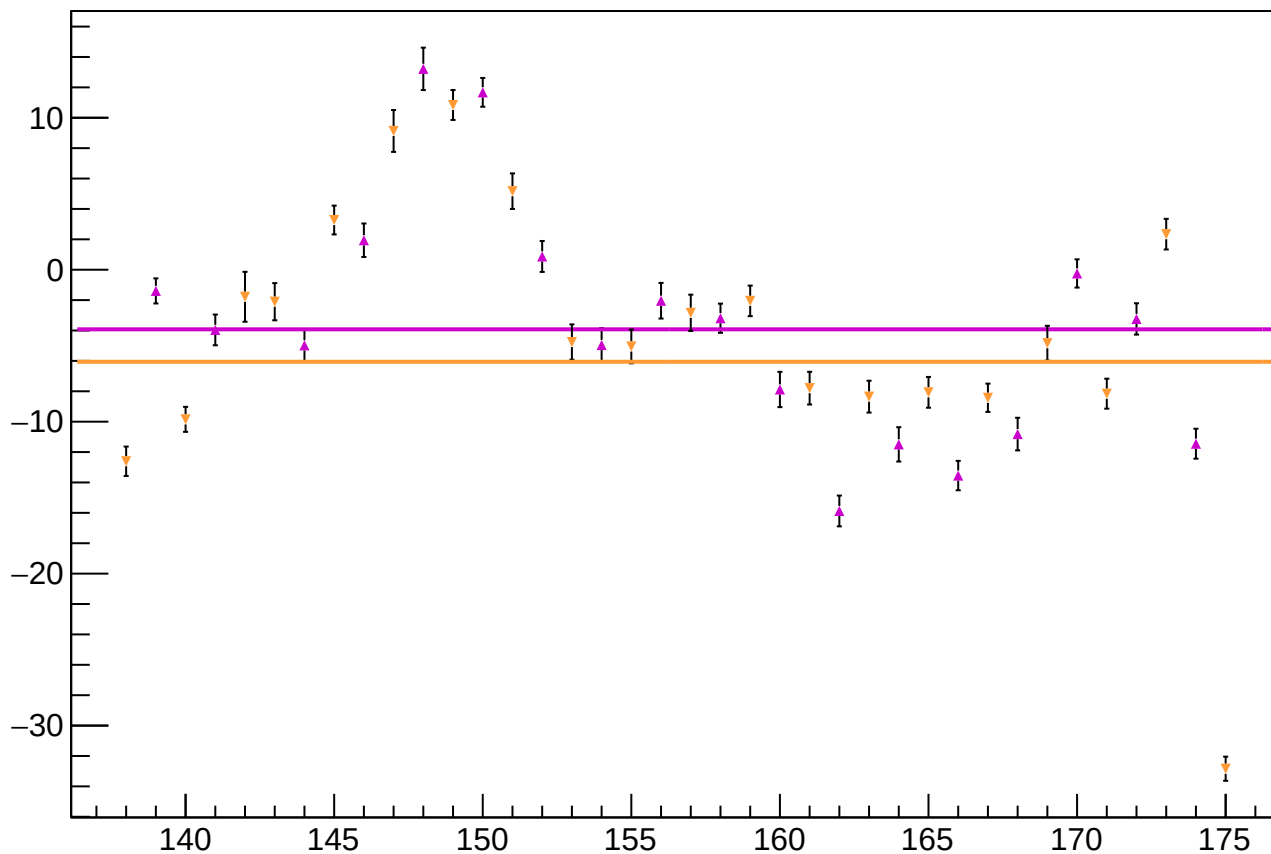
Right: -1.296 ± 0.033 χ^2/NDF : 1551.0/35

In: -0.752 ± 0.018 χ^2/NDF : 2023.7/34

Out: -0.809 ± 0.017 χ^2/NDF : 1766.6/38

All: -0.781 ± 0.012 χ^2/NDF : 3795.4/73

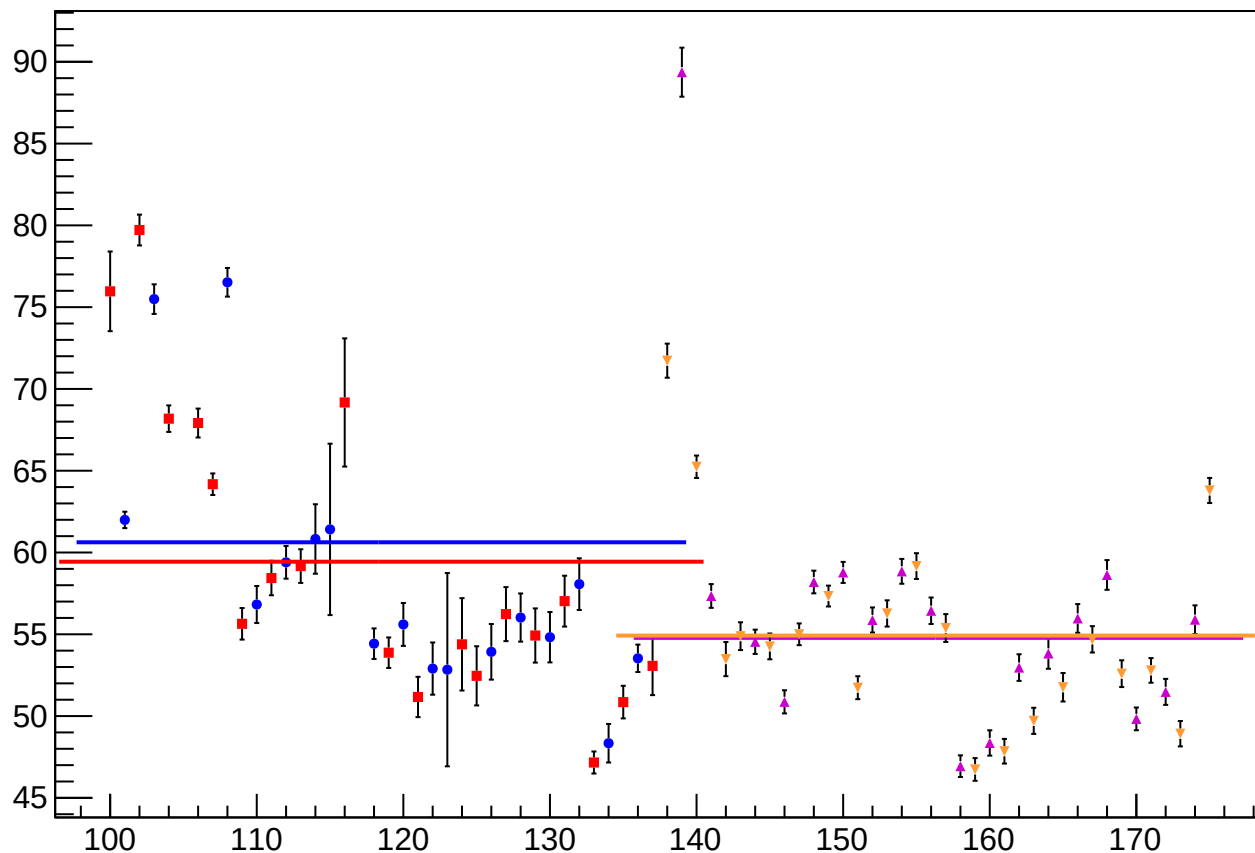
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.057+/-0.233 χ^2/NDF :1942.8/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.923+/-0.243 χ^2/NDF :897.3/17

Left: -5.035+/-0.168 χ^2/NDF : 2880.4/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.923+/-0.243 χ^2/NDF :897.3/17
 Out: -6.057+/-0.233 χ^2/NDF :1942.8/19
 All: -5.035+/-0.168 χ^2/NDF : 2880.4/37

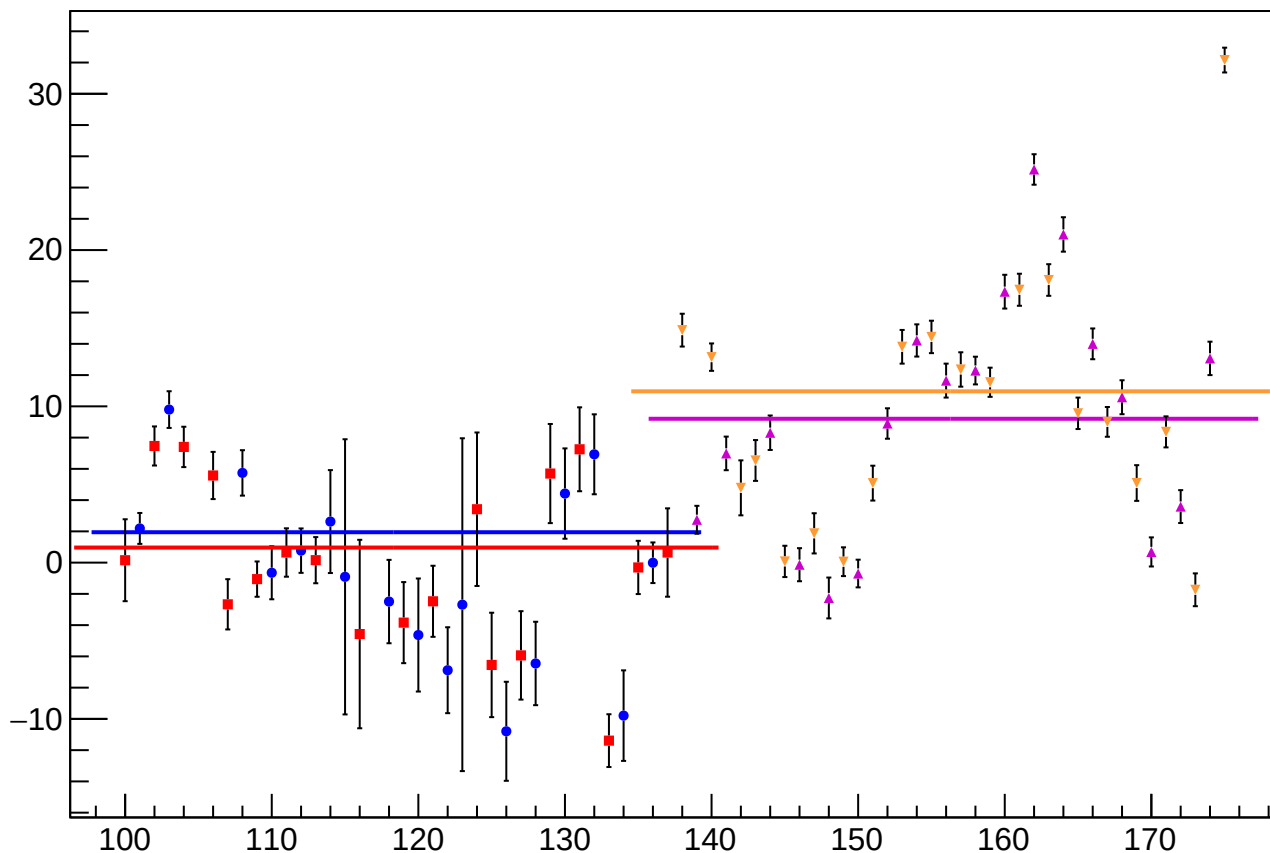
reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16
 Left Out: 54.920 $\pm$ 0.174 χ^2 /NDF:1049.0/19
 Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18
 Left In: 54.781 $\pm$ 0.184 χ^2 /NDF:977.8/17

Left: 54.855 $\pm$ 0.126 χ^2 /NDF: 2027.2/37
 Right: 59.996 $\pm$ 0.180 χ^2 /NDF: 2258.7/35
 In: 56.696 $\pm$ 0.151 χ^2 /NDF:2234.3/34
 Out: 56.409 $\pm$ 0.142 χ^2 /NDF:2595.2/38
 All: 56.544 $\pm$ 0.103 χ^2 /NDF: 4831.4/73

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 $\chi^2/\text{NDF}: 120.6/16$

Left Out: 10.962 ± 0.231 $\chi^2/\text{NDF}: 1389.1/19$

Right Out: 0.964 ± 0.424 $\chi^2/\text{NDF}: 149.5/18$

Left In: 9.205 ± 0.240 $\chi^2/\text{NDF}: 967.3/17$

Left: 10.118 ± 0.166 $\chi^2/\text{NDF}: 2384.3/37$

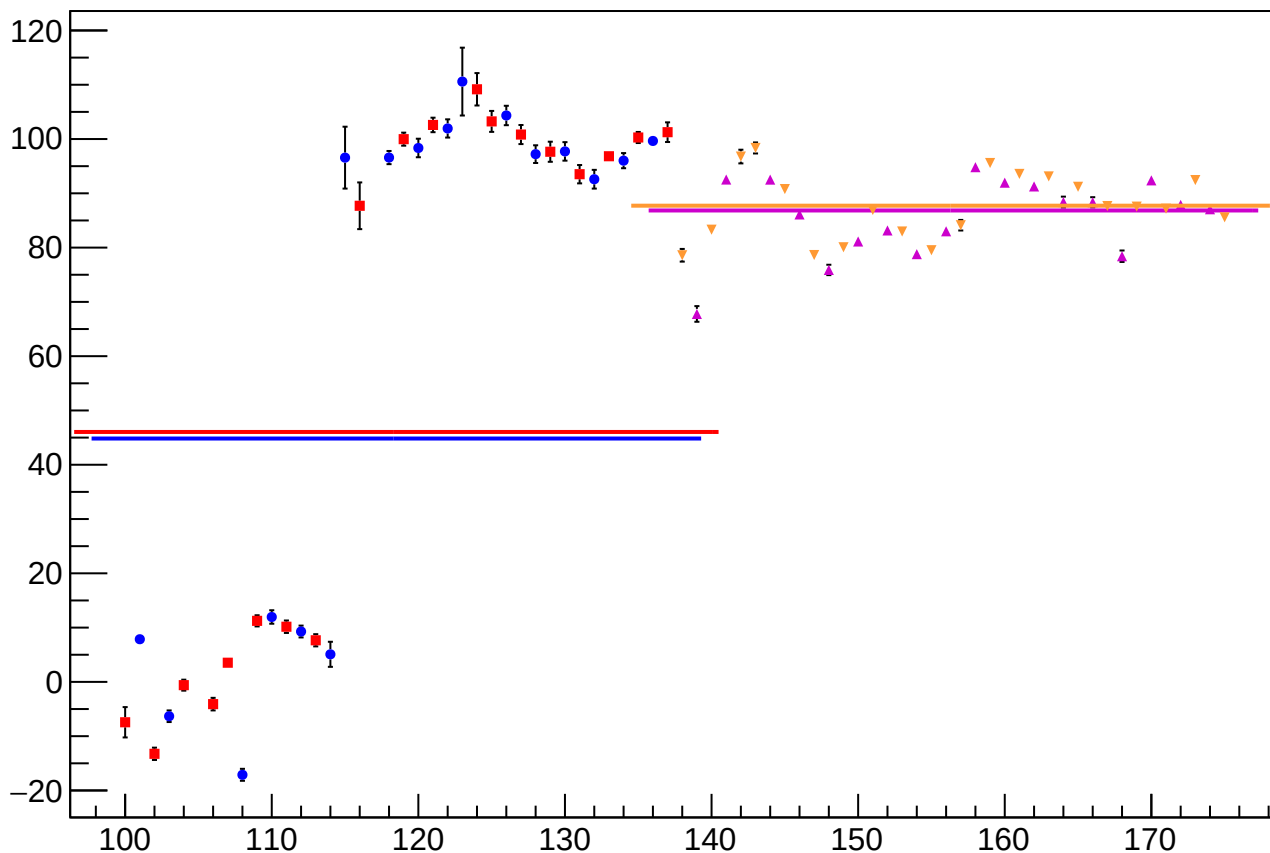
Right: 1.416 ± 0.312 $\chi^2/\text{NDF}: 272.6/35$

In: 7.644 ± 0.213 $\chi^2/\text{NDF}: 1284.4/34$

Out: 8.678 ± 0.203 $\chi^2/\text{NDF}: 1966.9/38$

All: 8.186 ± 0.147 $\chi^2/\text{NDF}: 3263.7/73$

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 87.723+/-0.198 χ^2/NDF : 851.1/19

Right Out: 46.040+/-0.289 χ^2/NDF : 28263.4/18

Left In: 86.840+/-0.208 χ^2/NDF : 887.4/17

Left: 87.303+/-0.143 χ^2/NDF : 1748.0/37

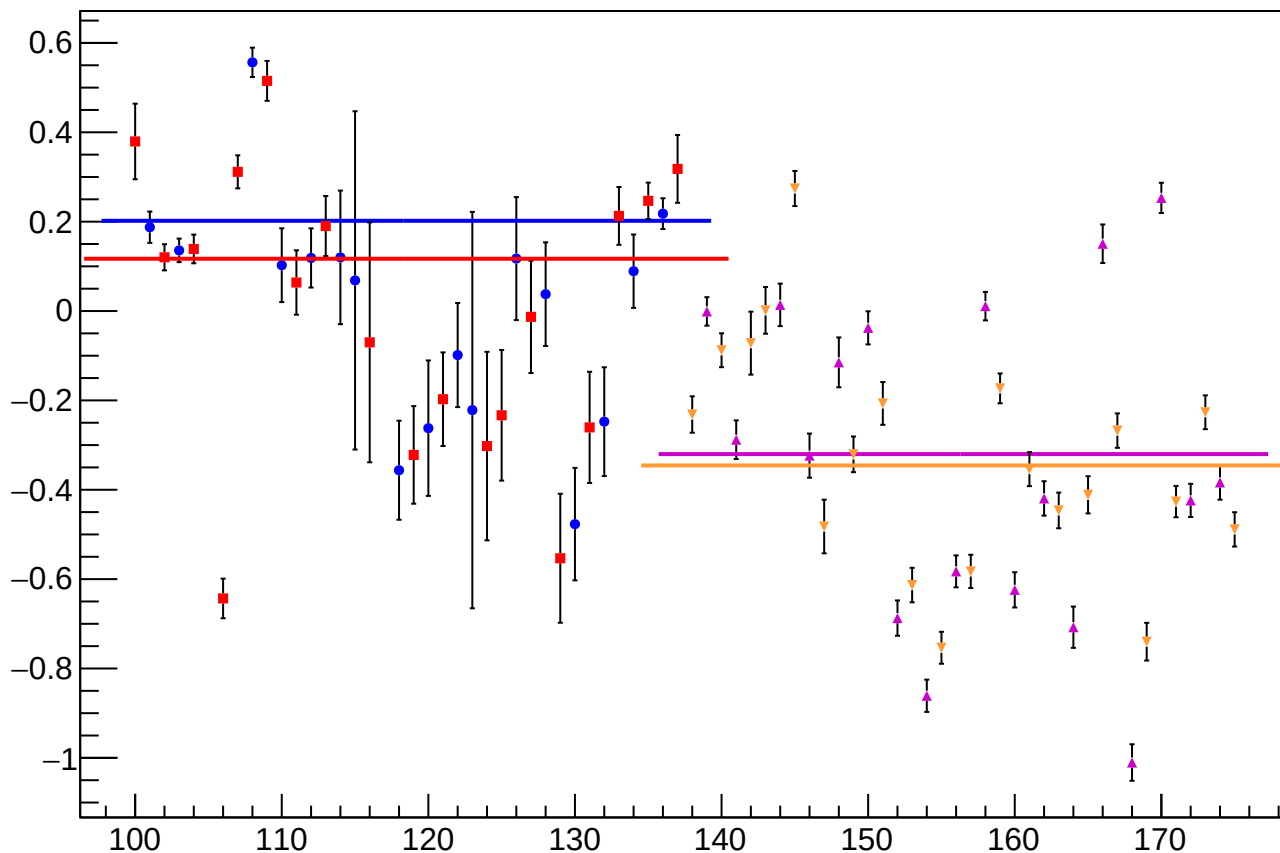
Right: 45.465+/-0.210 χ^2/NDF : 53034.8/35

In: 73.500+/-0.172 χ^2/NDF : 38628.0/34

Out: 74.472+/-0.163 χ^2/NDF : 43257.9/38

All: 74.011+/-0.118 χ^2/NDF : 81902.8/73

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.346 ± 0.009 χ^2/NDF : 752.0/19

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

Left In: -0.320 ± 0.009 χ^2/NDF : 1532.6/17

Left: -0.333 ± 0.006 χ^2/NDF : 2288.5/37

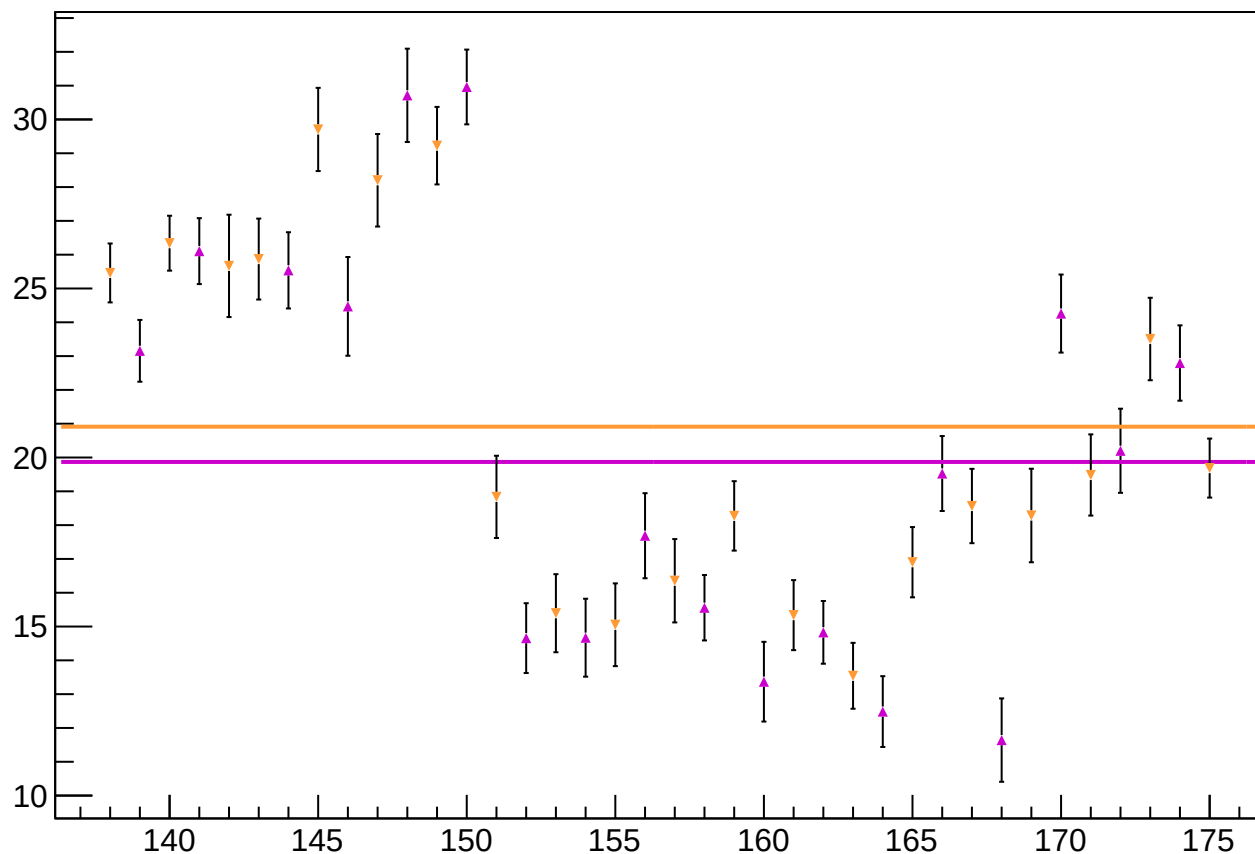
Right: 0.156 ± 0.010 χ^2/NDF : 735.2/35

In: -0.163 ± 0.008 χ^2/NDF : 2714.3/34

Out: -0.195 ± 0.007 χ^2/NDF : 2103.0/38

All: -0.180 ± 0.005 χ^2/NDF : 4826.4/73

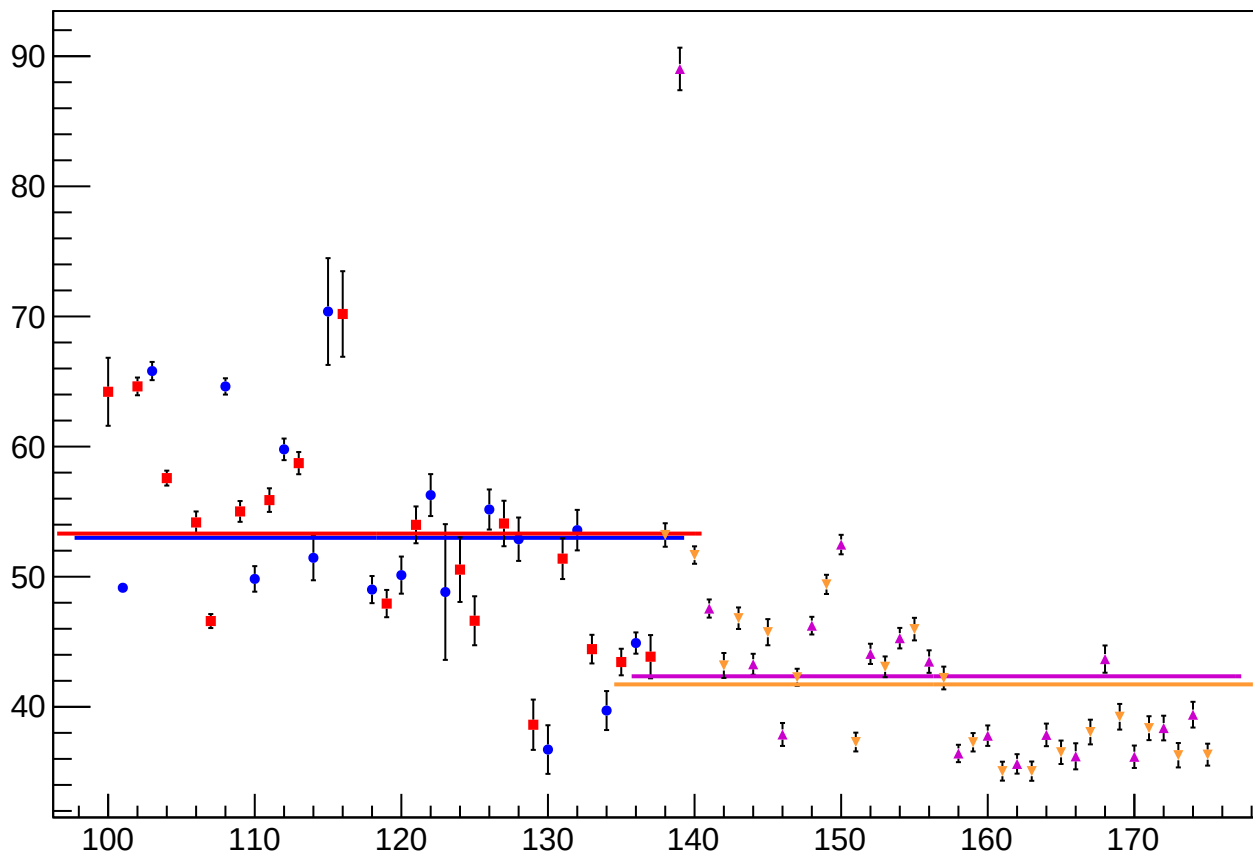
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 20.912 $\pm$ 0.246 χ^2 /NDF:417.0/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.869 $\pm$ 0.261 χ^2 /NDF:495.7/17

Left: 20.421 $\pm$ 0.179 χ^2 /NDF: 921.1/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.869 $\pm$ 0.261 χ^2 /NDF:495.7/17
 Out: 20.912 $\pm$ 0.246 χ^2 /NDF:417.0/19
 All: 20.421 $\pm$ 0.179 χ^2 /NDF: 921.1/37

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: 41.726 $\pm$ 0.182 χ^2 /NDF: 959.2/19

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

Left In: 42.349 $\pm$ 0.195 χ^2 /NDF: 1472.3/17

Left: 42.016 $\pm$ 0.133 χ^2 /NDF: 2436.9/37

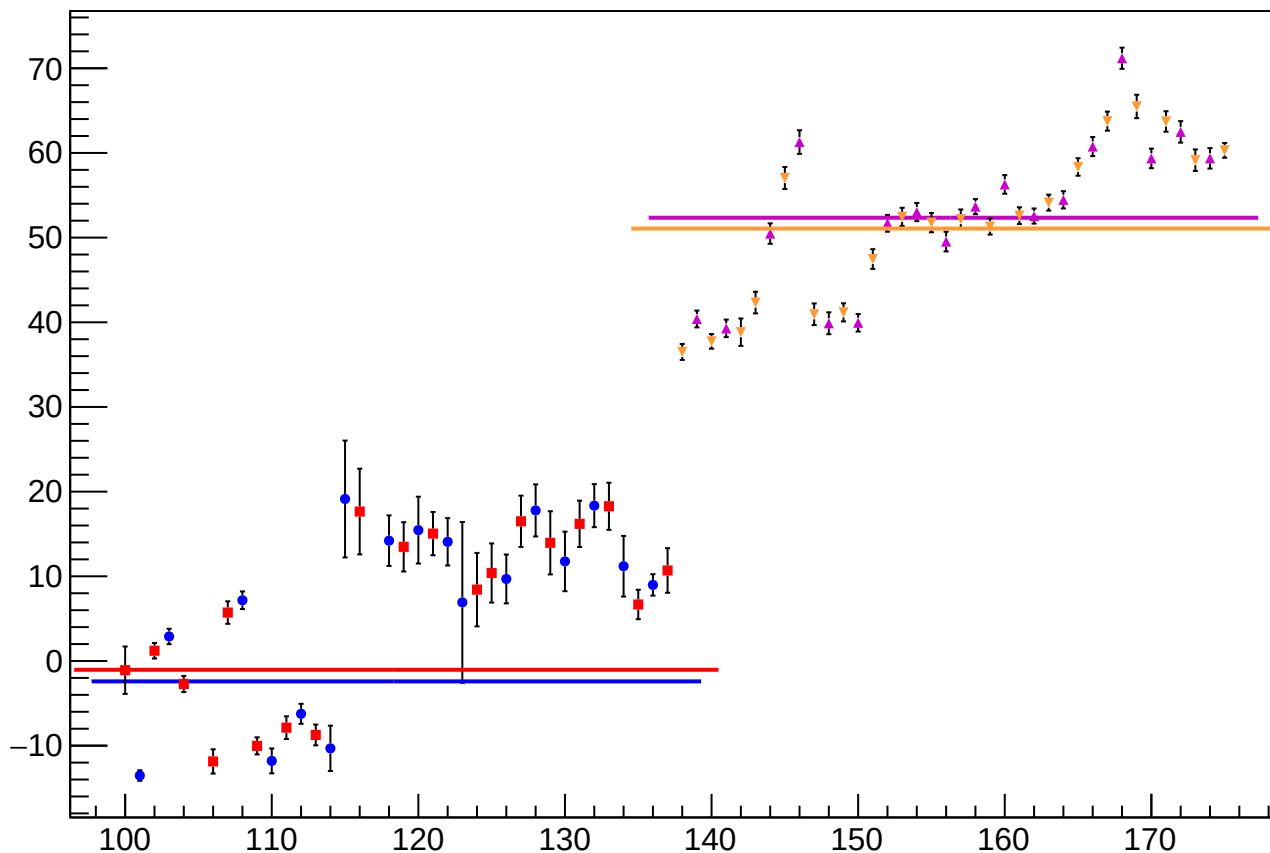
Right: 53.140 $\pm$ 0.154 χ^2 /NDF: 2074.7/35

In: 47.264 $\pm$ 0.143 χ^2 /NDF: 4040.1/34

Out: 46.274 $\pm$ 0.142 χ^2 /NDF: 3422.0/38

All: 46.765 $\pm$ 0.101 χ^2 /NDF: 7486.1/73

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 51.071 ± 0.244 χ^2/NDF : 1321.3/19

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

Left In: 52.346 ± 0.257 χ^2/NDF : 1027.7/17

Left: 51.674 ± 0.177 χ^2/NDF : 2361.9/37

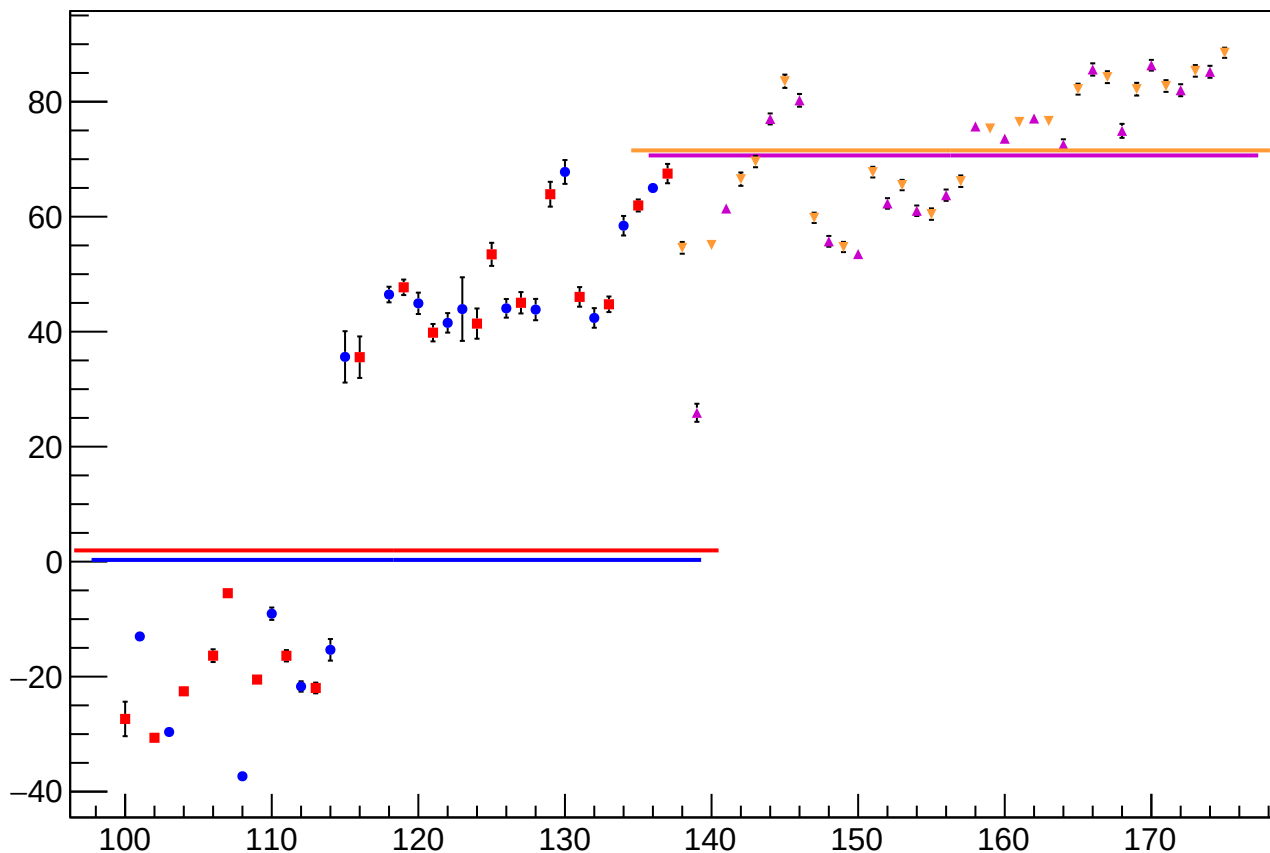
Right: -1.748 ± 0.262 χ^2/NDF : 1349.0/35

In: 34.114 ± 0.210 χ^2/NDF : 16929.2/34

Out: 35.693 ± 0.205 χ^2/NDF : 15292.3/38

All: 34.924 ± 0.147 χ^2/NDF : 32250.5/73

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300+/-0.247 χ^2/NDF : 18259.2/16

Left Out: 71.530+/-0.208 χ^2/NDF : 2717.2/19

Right Out: 1.952+/-0.267 χ^2/NDF : 15450.6/18

Left In: 70.651+/-0.222 χ^2/NDF : 2874.1/17

Left: 71.118+/-0.152 χ^2/NDF : 5599.6/37

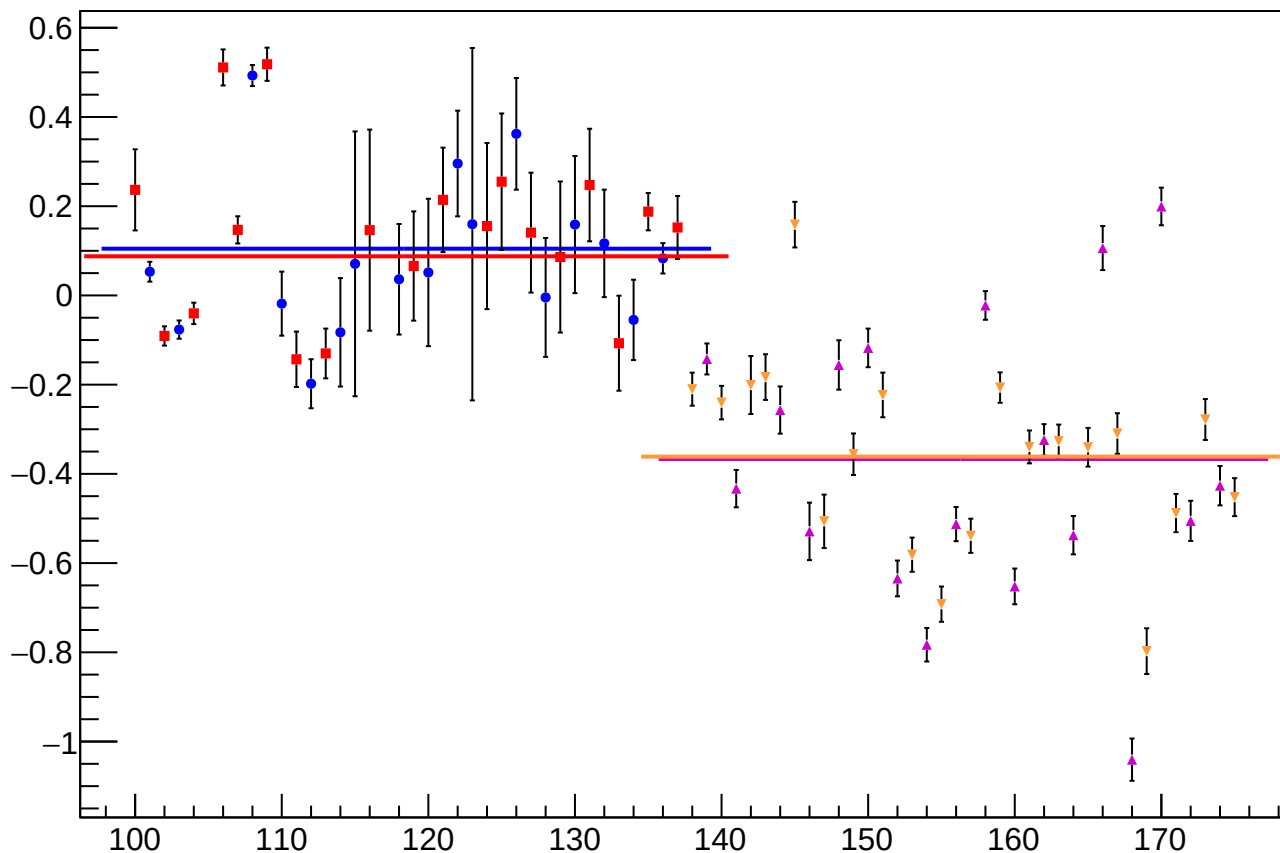
Right: 1.065+/-0.181 χ^2/NDF : 33730.4/35

In: 39.348+/-0.165 χ^2/NDF : 66009.3/34

Out: 45.193+/-0.164 χ^2/NDF : 60487.4/38

All: 42.288+/-0.116 χ^2/NDF : 127127.5/73

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: -0.361 ± 0.010 $\chi^2/\text{NDF}: 399.1/19$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

Left In: -0.367 ± 0.010 $\chi^2/\text{NDF}: 953.5/17$

Left: -0.364 ± 0.007 $\chi^2/\text{NDF}: 1352.8/37$

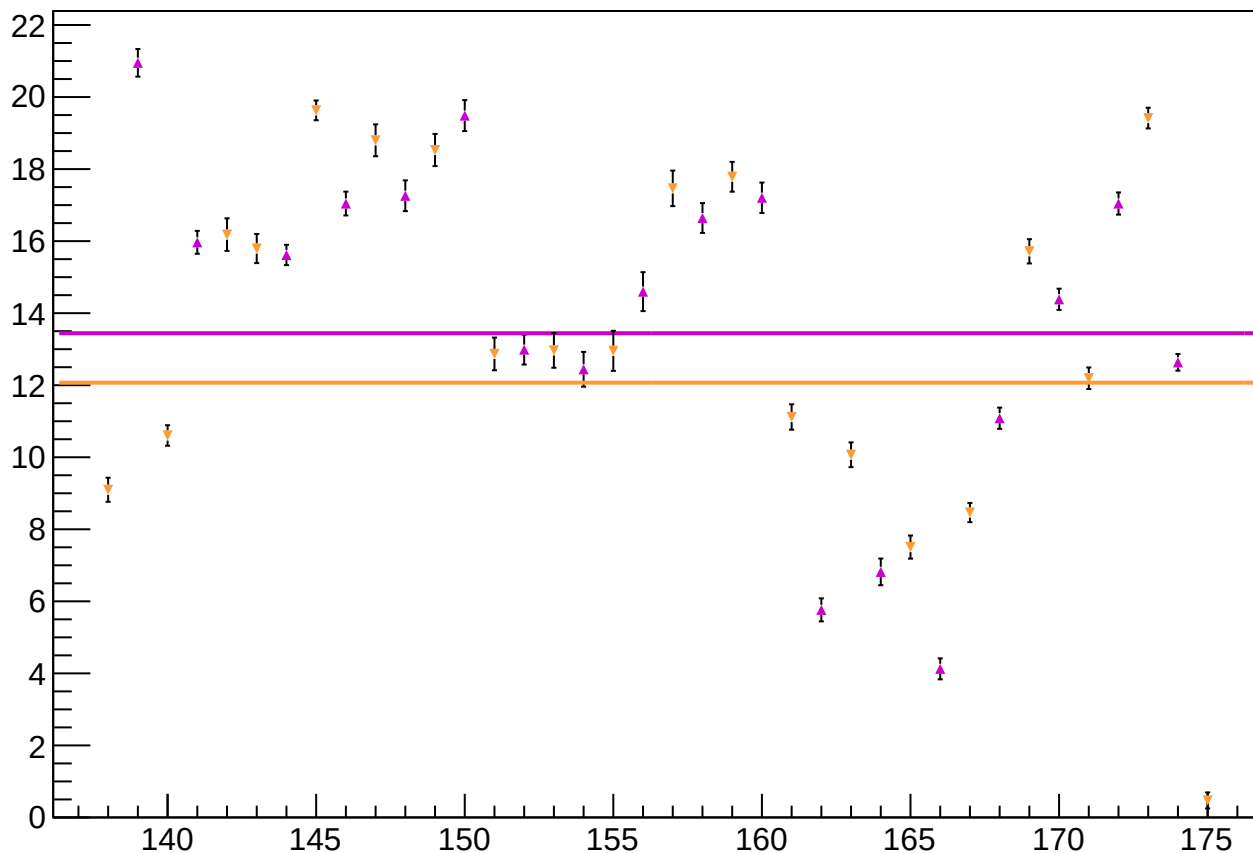
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.157 ± 0.007 $\chi^2/\text{NDF}: 2366.1/34$

Out: -0.168 ± 0.007 $\chi^2/\text{NDF}: 1735.7/38$

All: -0.162 ± 0.005 $\chi^2/\text{NDF}: 4102.9/73$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 12.071+/-0.077 χ^2/NDF :5710.5/19

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

Left In: 13.443+/-0.080 χ^2/NDF :3195.9/17

Left: 12.725+/-0.055 χ^2/NDF : 9059.5/37

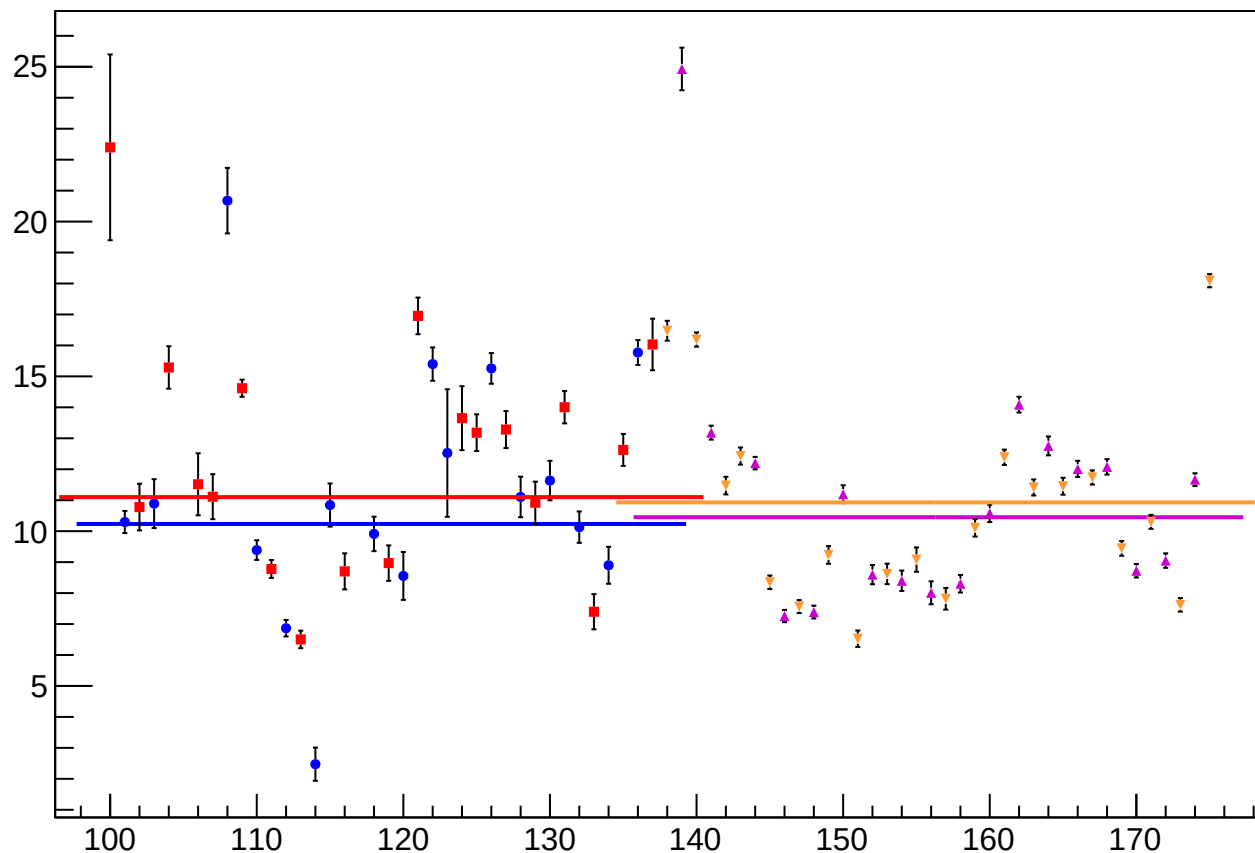
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 13.443+/-0.080 χ^2/NDF :3195.9/17

Out: 12.071+/-0.077 χ^2/NDF :5710.5/19

All: 12.725+/-0.055 χ^2/NDF : 9059.5/37

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232+/-0.119 χ^2/NDF : 876.7/16

Left Out: 10.930+/-0.057 χ^2/NDF : 3170.2/19

Right Out: 11.100+/-0.116 χ^2/NDF : 817.8/18

Left In: 10.451+/-0.060 χ^2/NDF : 1795.0/17

Left: 10.701+/-0.041 χ^2/NDF : 4998.5/37

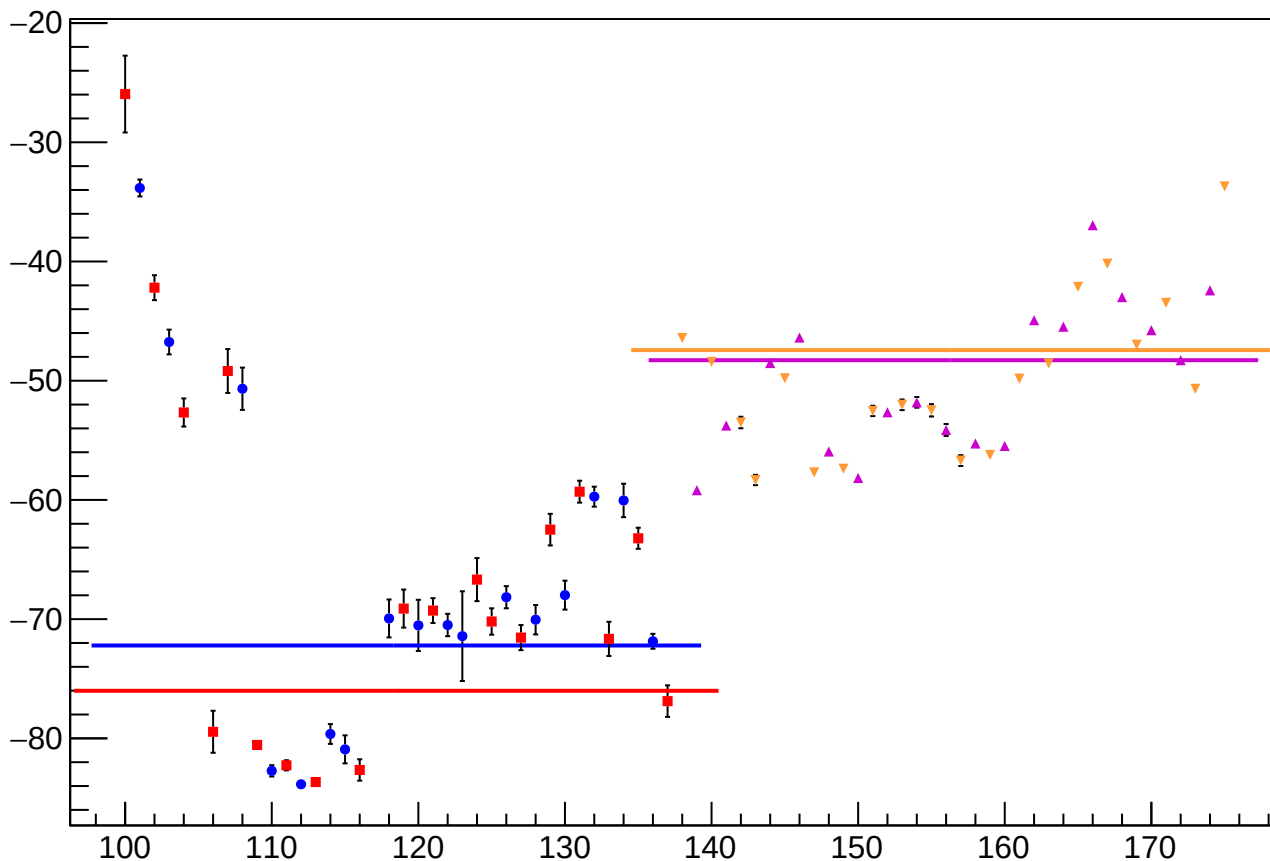
Right: 10.677+/-0.083 χ^2/NDF : 1721.6/35

In: 10.407+/-0.054 χ^2/NDF : 2674.4/34

Out: 10.963+/-0.051 χ^2/NDF : 3989.7/38

All: 10.696+/-0.037 χ^2/NDF : 6720.2/73

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -47.432 ± 0.077 $\chi^2/\text{NDF}: 8470.7/19$

Right Out: -76.009 ± 0.181 $\chi^2/\text{NDF}: 3463.3/18$

Left In: -48.279 ± 0.080 $\chi^2/\text{NDF}: 5515.6/17$

Left: -47.837 ± 0.056 $\chi^2/\text{NDF}: 14044.4/37$

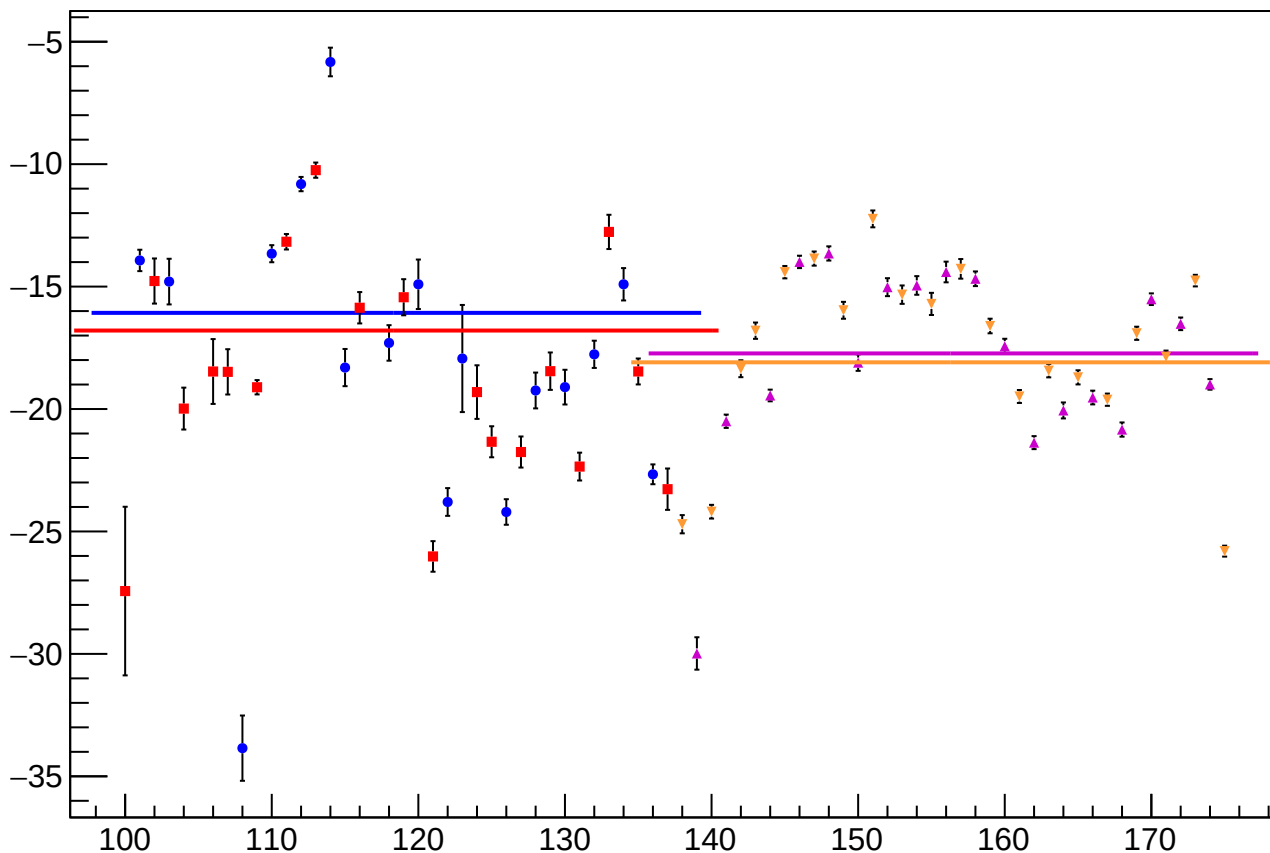
Right: -74.280 ± 0.134 $\chi^2/\text{NDF}: 9230.0/35$

In: -51.665 ± 0.074 $\chi^2/\text{NDF}: 23624.9/34$

Out: -51.797 ± 0.071 $\chi^2/\text{NDF}: 33057.0/38$

All: -51.735 ± 0.051 $\chi^2/\text{NDF}: 56683.6/73$

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: -18.093 ± 0.065 $\chi^2/\text{NDF}: 3237.2/19$

Right Out: -16.795 ± 0.128 $\chi^2/\text{NDF}: 1216.0/18$

Left In: -17.729 ± 0.068 $\chi^2/\text{NDF}: 1727.8/17$

Left: -17.919 ± 0.047 $\chi^2/\text{NDF}: 4979.8/37$

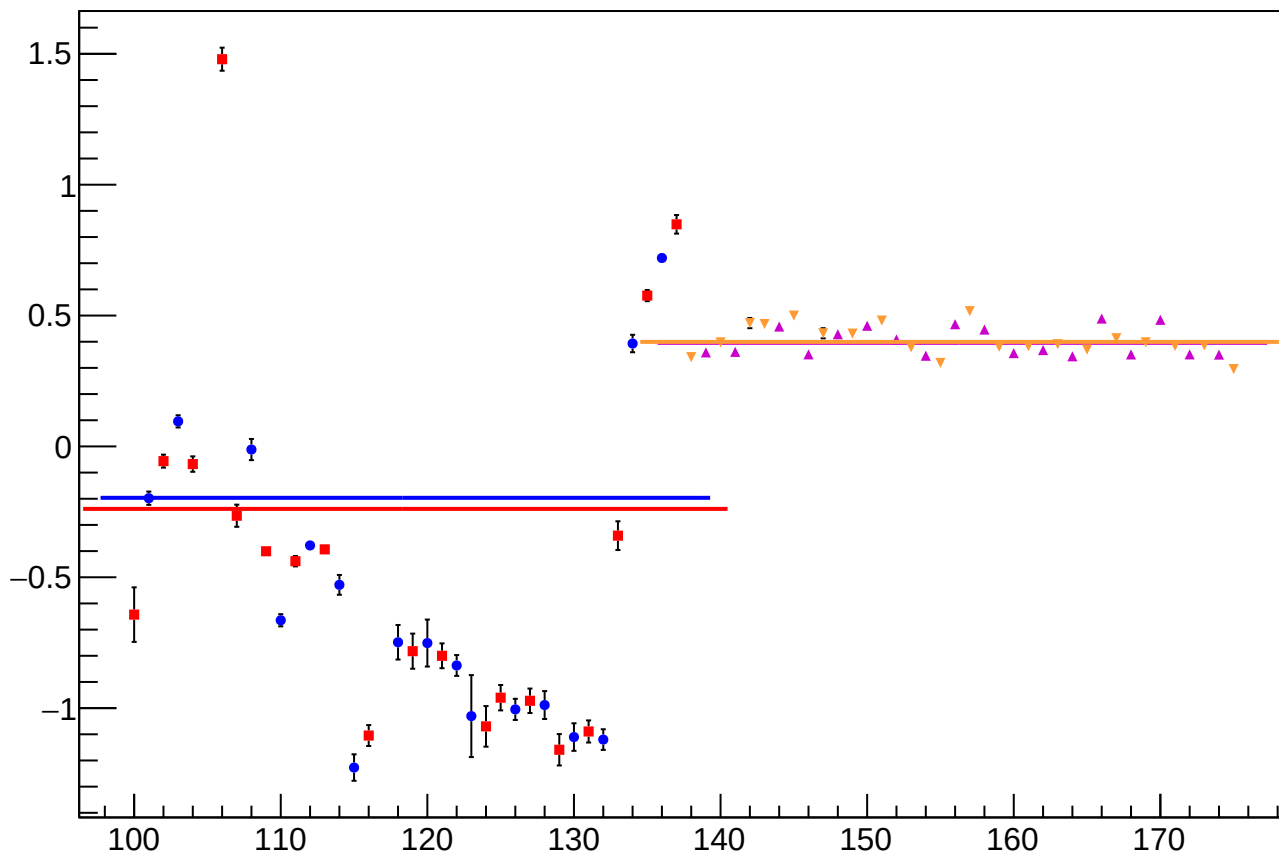
Right: -16.446 ± 0.092 $\chi^2/\text{NDF}: 2871.9/35$

In: -17.381 ± 0.061 $\chi^2/\text{NDF}: 3491.6/34$

Out: -17.825 ± 0.058 $\chi^2/\text{NDF}: 4534.7/38$

All: -17.612 ± 0.042 $\chi^2/\text{NDF}: 8054.1/73$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.399 ± 0.003 χ^2/NDF : 336.3/19

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.396 ± 0.003 χ^2/NDF : 302.2/17

Left: 0.398 ± 0.002 χ^2/NDF : 639.2/37

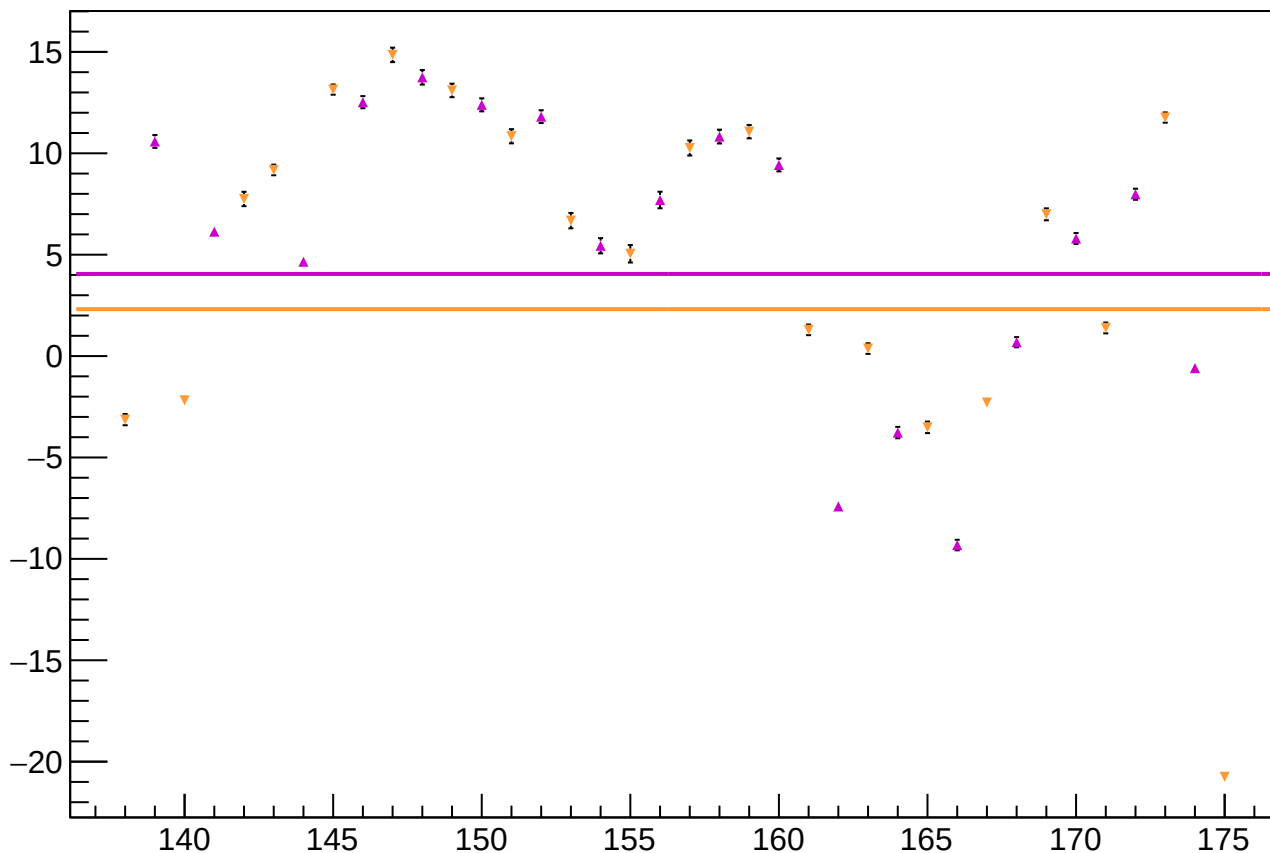
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.309 ± 0.003 χ^2/NDF : 11883.9/34

Out: 0.302 ± 0.003 χ^2/NDF : 13219.3/38

All: 0.305 ± 0.002 χ^2/NDF : 25106.2/73

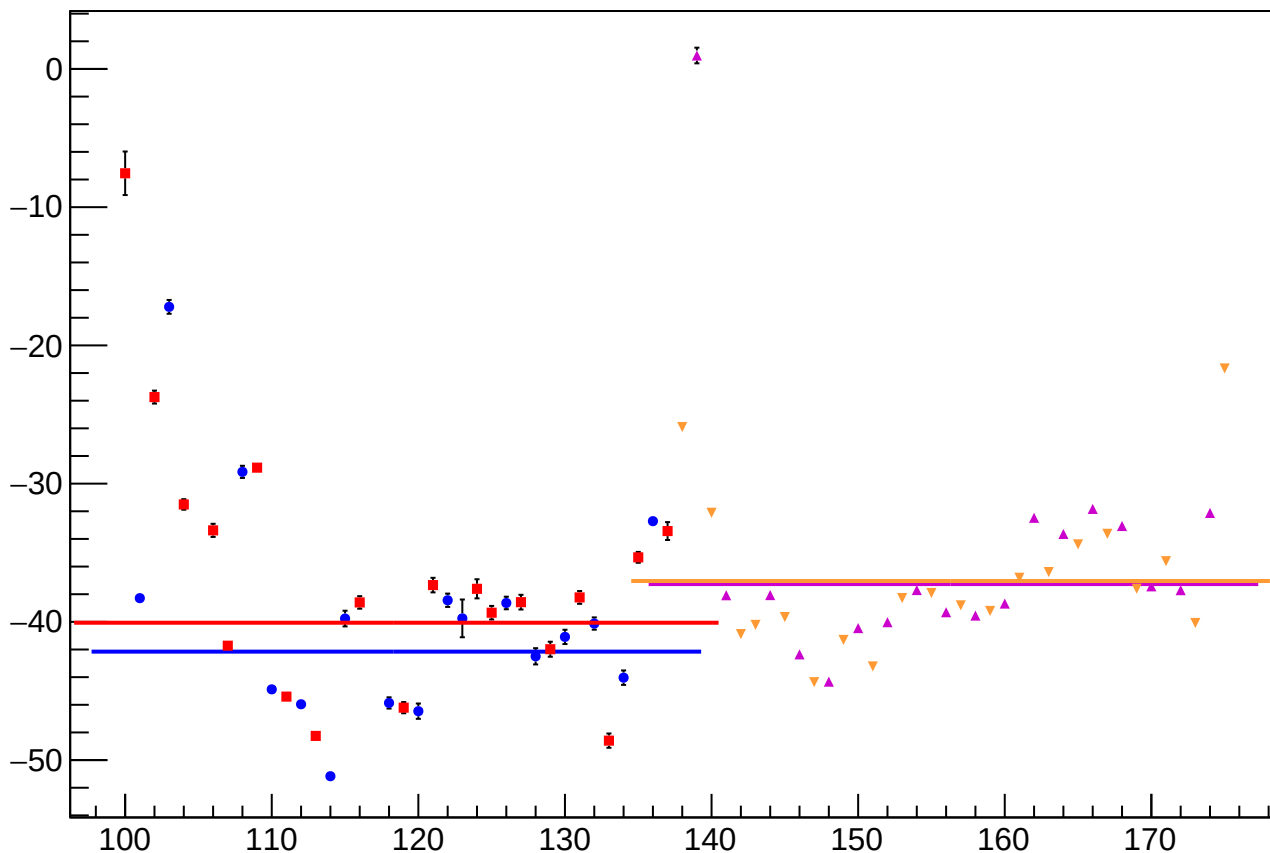
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.314+/-0.063 χ^2/NDF :23930.3/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.050+/-0.067 χ^2/NDF :10683.6/17

Left: 3.134+/-0.046 χ^2/NDF : 34972.0/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.050+/-0.067 χ^2/NDF :10683.6/17
 Out: 2.314+/-0.063 χ^2/NDF :23930.3/19
 All: 3.134+/-0.046 χ^2/NDF : 34972.0/37

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: -37.044 ± 0.047 $\chi^2/\text{NDF}: 13851.6/19$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

Left In: -37.266 ± 0.050 $\chi^2/\text{NDF}: 10099.5/17$

Left: -37.148 ± 0.034 $\chi^2/\text{NDF}: 23961.6/37$

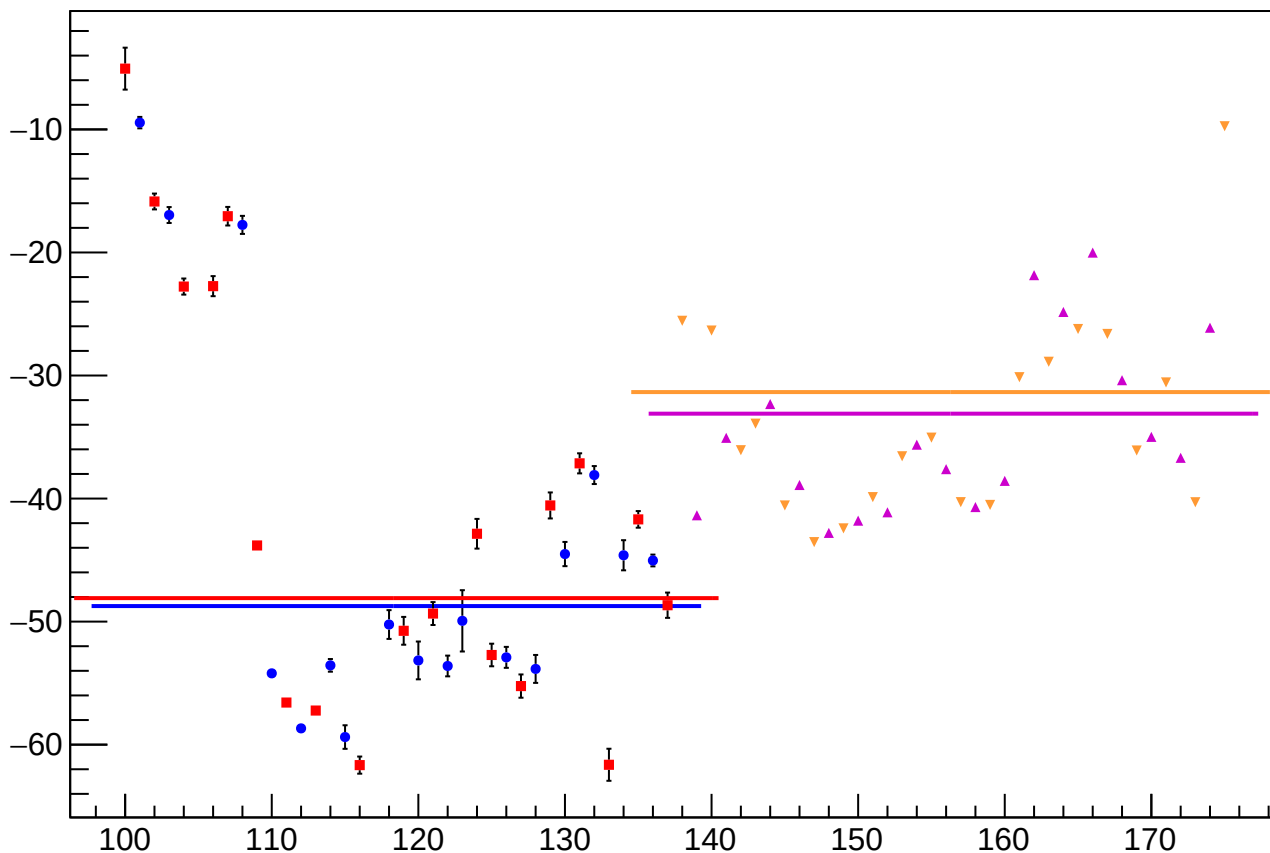
Right: -41.035 ± 0.053 $\chi^2/\text{NDF}: 18264.1/35$

In: -38.683 ± 0.042 $\chi^2/\text{NDF}: 19443.5/34$

Out: -37.928 ± 0.039 $\chi^2/\text{NDF}: 26389.7/38$

All: -38.281 ± 0.029 $\chi^2/\text{NDF}: 46004.8/73$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737+/-0.125 χ^2/NDF : 14658.1/16

Left Out: -31.346+/-0.063 χ^2/NDF : 21521.9/19

Right Out: -48.092+/-0.107 χ^2/NDF : 11733.2/18

Left In: -33.101+/-0.067 χ^2/NDF : 11540.8/17

Left: -32.178+/-0.046 χ^2/NDF : 33428.8/37

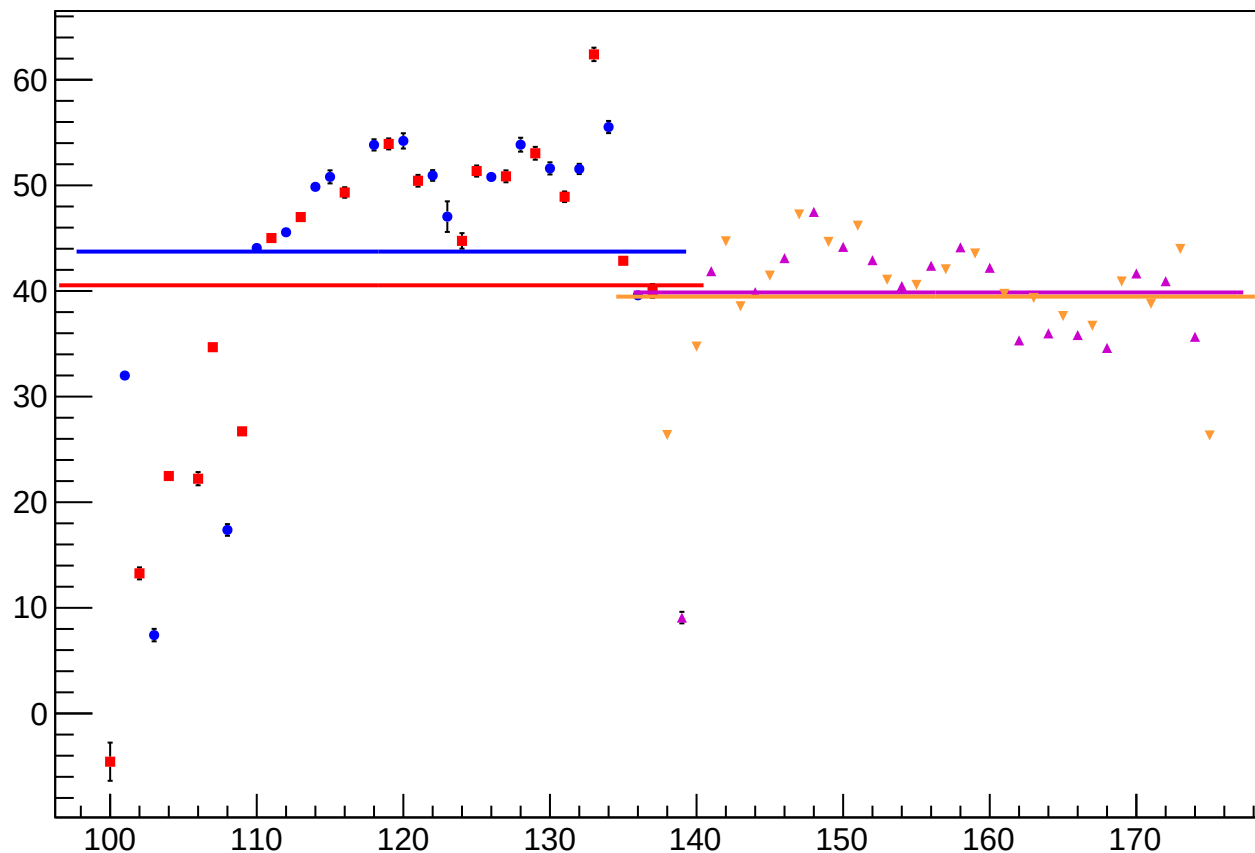
Right: -48.367+/-0.081 χ^2/NDF : 26406.8/35

In: -36.572+/-0.059 χ^2/NDF : 38458.2/34

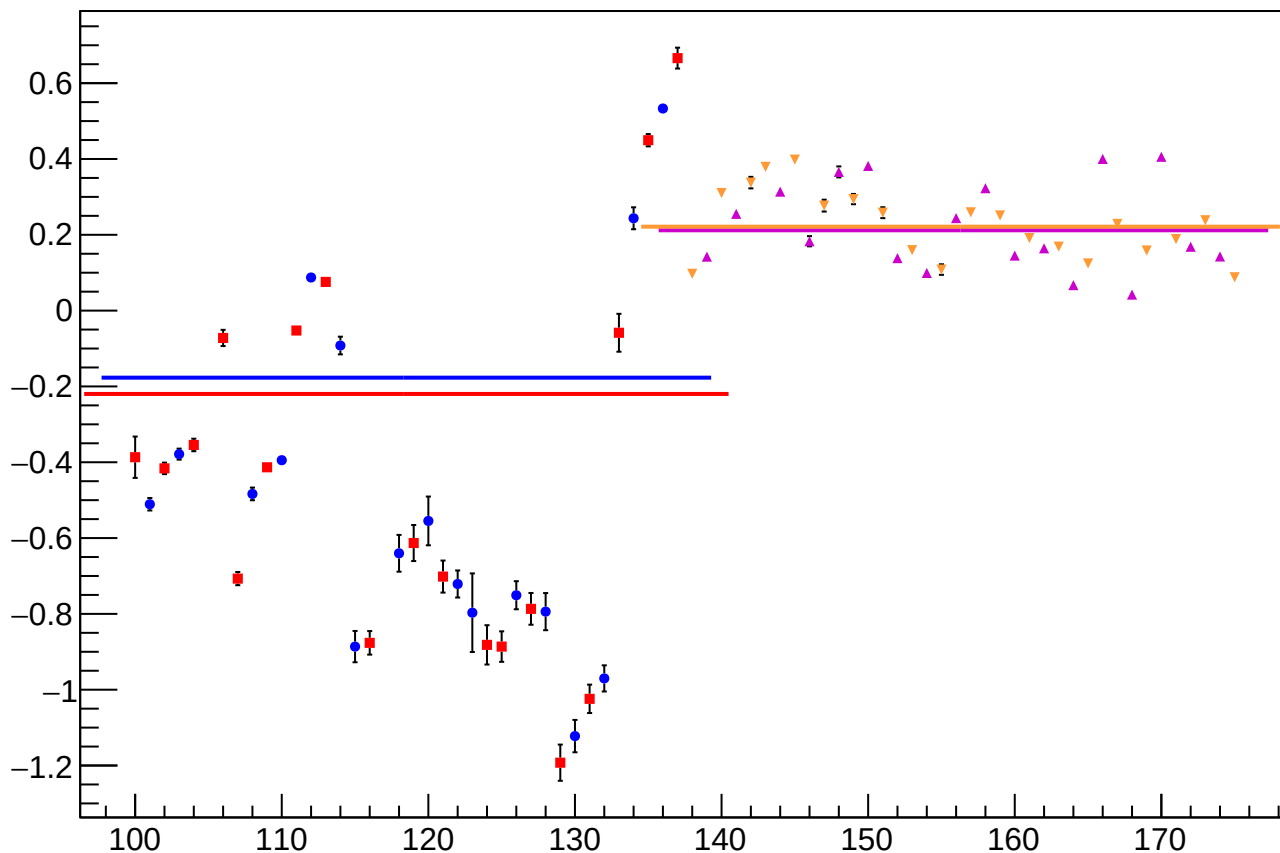
Out: -35.658+/-0.054 χ^2/NDF : 51361.0/38

All: -36.081+/-0.040 χ^2/NDF : 89949.5/73

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.221 ± 0.002 χ^2/NDF : 1229.7/19

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

Left In: 0.212 ± 0.003 χ^2/NDF : 1924.4/17

Left: 0.217 ± 0.002 χ^2/NDF : 3161.1/37

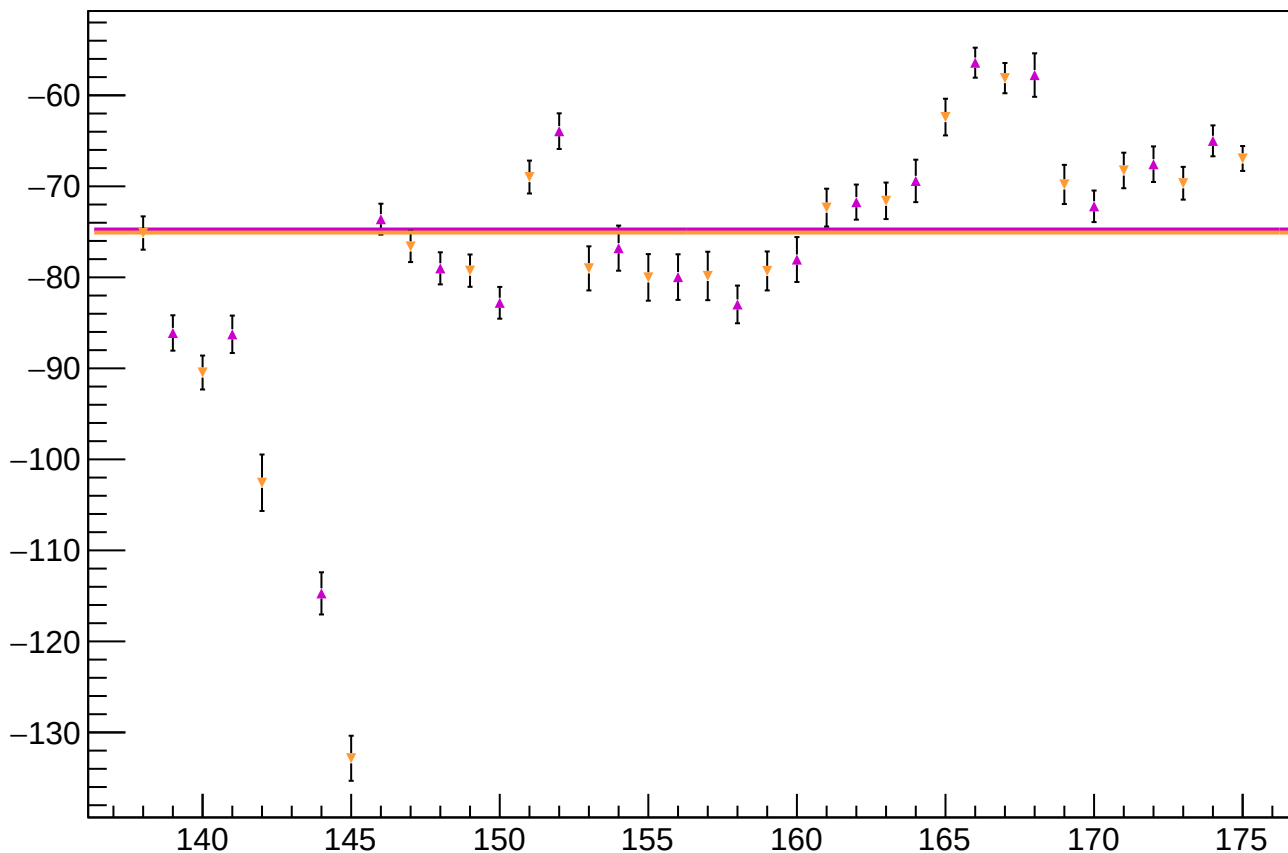
Right: -0.201 ± 0.003 χ^2/NDF : 14839.1/35

In: 0.126 ± 0.002 χ^2/NDF : 14310.9/34

Out: 0.110 ± 0.002 χ^2/NDF : 16523.3/38

All: 0.117 ± 0.002 χ^2/NDF : 30858.7/73

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -75.076+/-0.451 χ^2/NDF :933.6/18

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

Left In: -74.743+/-0.466 χ^2/NDF :673.8/17

Left: -74.915+/-0.324 χ^2/NDF : 1607.7/36

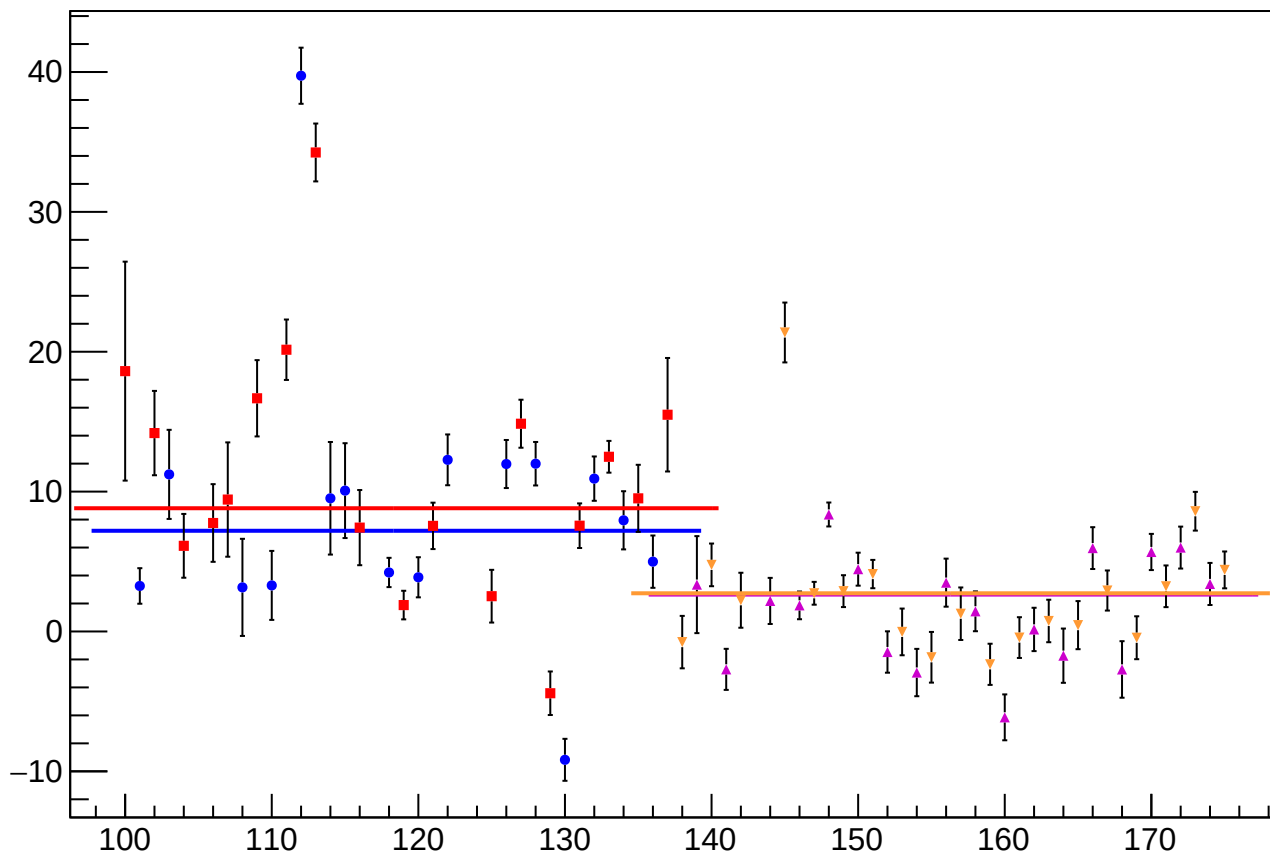
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.743+/-0.466 χ^2/NDF :673.8/17

Out: -75.076+/-0.451 χ^2/NDF :933.6/18

All: -74.915+/-0.324 χ^2/NDF : 1607.7/36

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 $\chi^2/\text{NDF}: 443.8/15$

Left Out: 2.731 ± 0.324 $\chi^2/\text{NDF}: 136.9/18$

Right Out: 8.810 ± 0.448 $\chi^2/\text{NDF}: 349.7/17$

Left In: 2.636 ± 0.335 $\chi^2/\text{NDF}: 139.7/17$

Left: 2.685 ± 0.233 $\chi^2/\text{NDF}: 276.6/36$

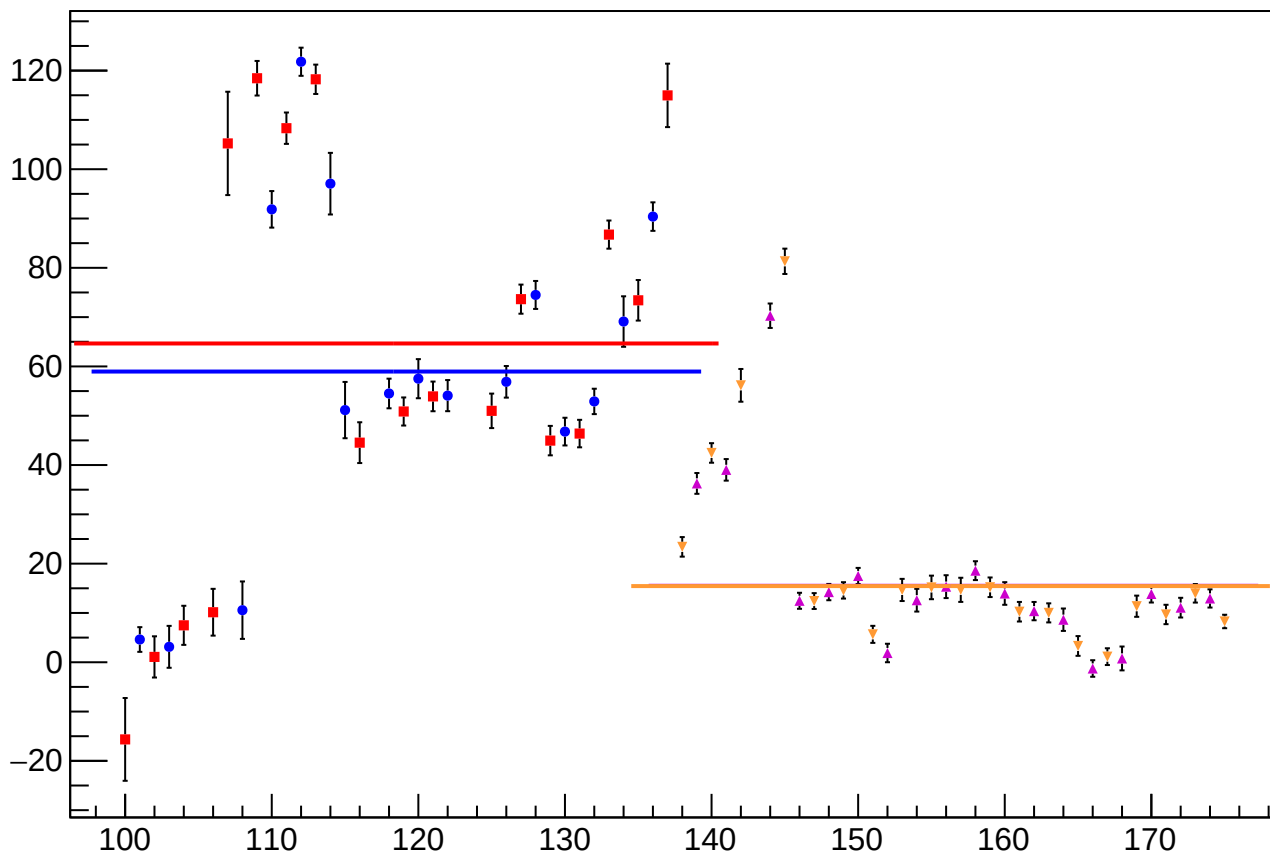
Right: 7.990 ± 0.314 $\chi^2/\text{NDF}: 800.1/33$

In: 4.316 ± 0.267 $\chi^2/\text{NDF}: 651.5/33$

Out: 4.816 ± 0.262 $\chi^2/\text{NDF}: 607.7/36$

All: 4.570 ± 0.187 $\chi^2/\text{NDF}: 1261.0/70$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 ± 0.837 χ^2/NDF : 1496.5/15

Left Out: 15.449 ± 0.445 χ^2/NDF : 1208.1/18

Right Out: 64.655 ± 0.840 χ^2/NDF : 1721.8/17

Left In: 15.510 ± 0.460 χ^2/NDF : 925.5/17

Left: 15.478 ± 0.320 χ^2/NDF : 2133.6/36

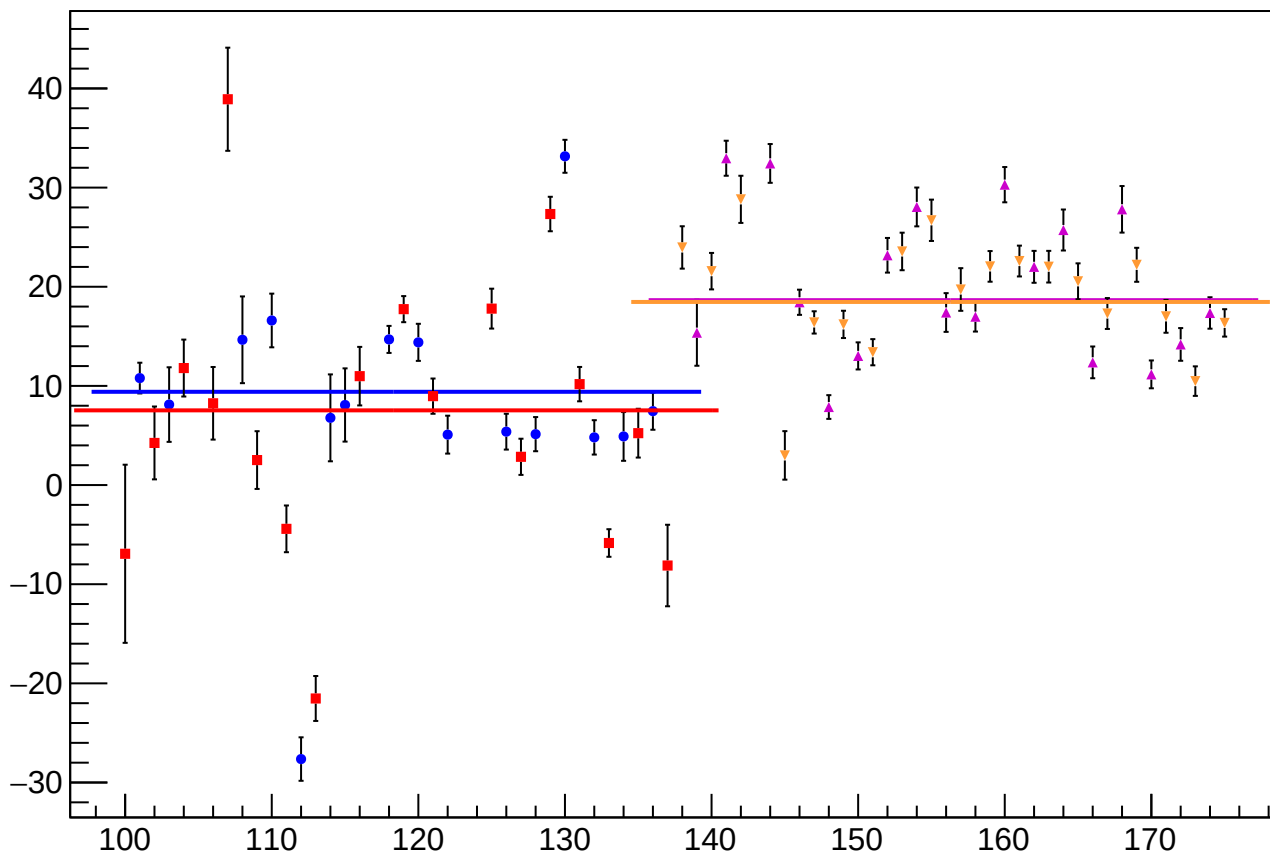
Right: 61.798 ± 0.593 χ^2/NDF : 3241.4/33

In: 25.593 ± 0.403 χ^2/NDF : 4491.9/33

Out: 26.245 ± 0.393 χ^2/NDF : 5608.4/36

All: 25.927 ± 0.282 χ^2/NDF : 10101.6/70

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: 18.467 ± 0.375 $\chi^2/\text{NDF}: 168.4/18$

Right Out: 7.533 ± 0.515 $\chi^2/\text{NDF}: 569.8/17$

Left In: 18.646 ± 0.389 $\chi^2/\text{NDF}: 371.8/17$

Left: 18.554 ± 0.270 $\chi^2/\text{NDF}: 540.2/36$

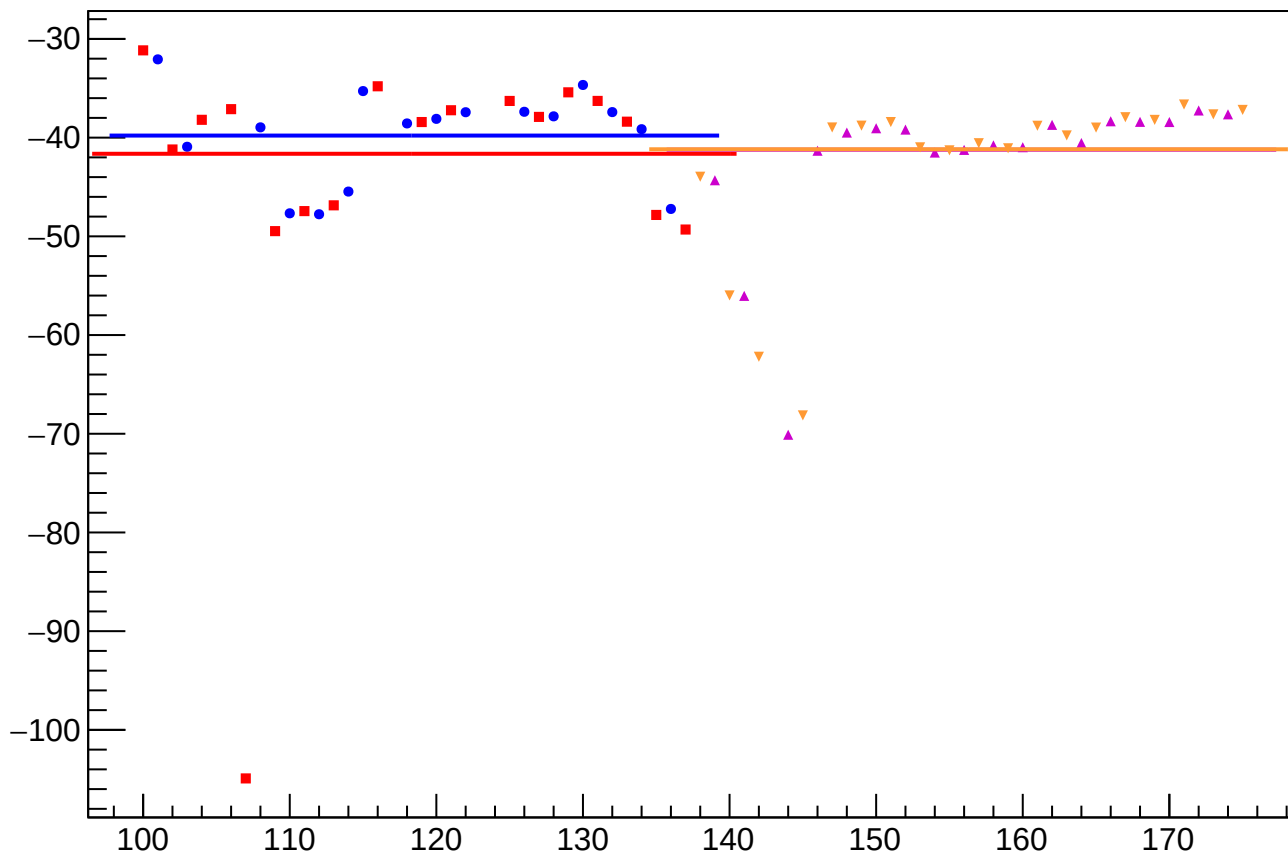
Right: 8.484 ± 0.361 $\chi^2/\text{NDF}: 1126.0/33$

In: 15.217 ± 0.309 $\chi^2/\text{NDF}: 1130.5/33$

Out: 14.673 ± 0.303 $\chi^2/\text{NDF}: 1032.7/36$

All: 14.940 ± 0.216 $\chi^2/\text{NDF}: 2164.7/70$

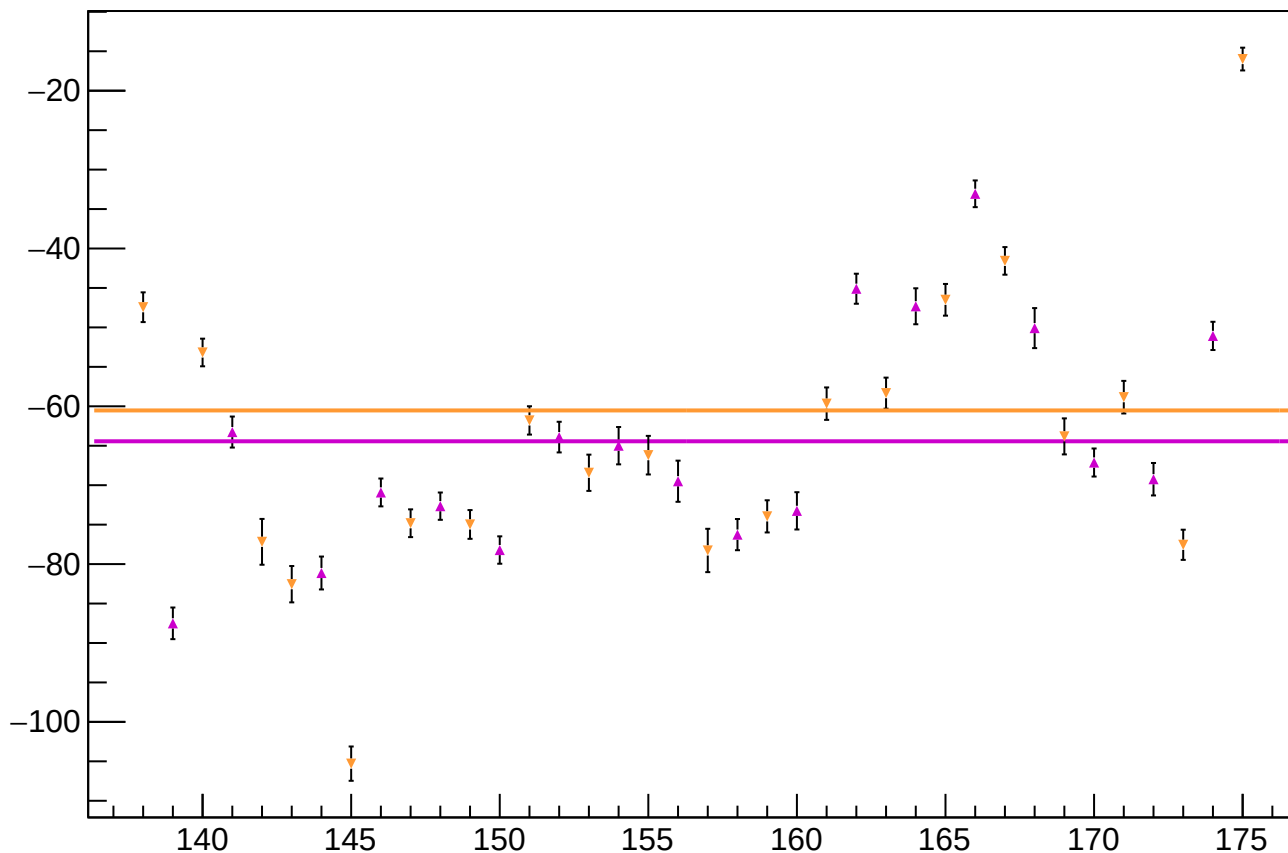
reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 $\chi^2/\text{NDF}: 26138.6/15$
 Left Out: -41.180 ± 0.018 $\chi^2/\text{NDF}: 145190.4/18$
 Right Out: -41.635 ± 0.031 $\chi^2/\text{NDF}: 94393.1/17$
 Left In: -41.223 ± 0.018 $\chi^2/\text{NDF}: 114322.6/17$

Left: -41.201 ± 0.013 $\chi^2/\text{NDF}: 259516.0/36$
 Right: -40.714 ± 0.022 $\chi^2/\text{NDF}: 122277.1/33$
 In: -40.867 ± 0.016 $\chi^2/\text{NDF}: 142041.6/33$
 Out: -41.291 ± 0.015 $\chi^2/\text{NDF}: 239744.5/36$
 All: -41.081 ± 0.011 $\chi^2/\text{NDF}: 382160.2/70$

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -60.525+/-0.446 χ^2/NDF :2047.3/19

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

Left In: -64.434+/-0.467 χ^2/NDF :947.9/17

Left: -62.388+/-0.322 χ^2/NDF : 3031.9/37

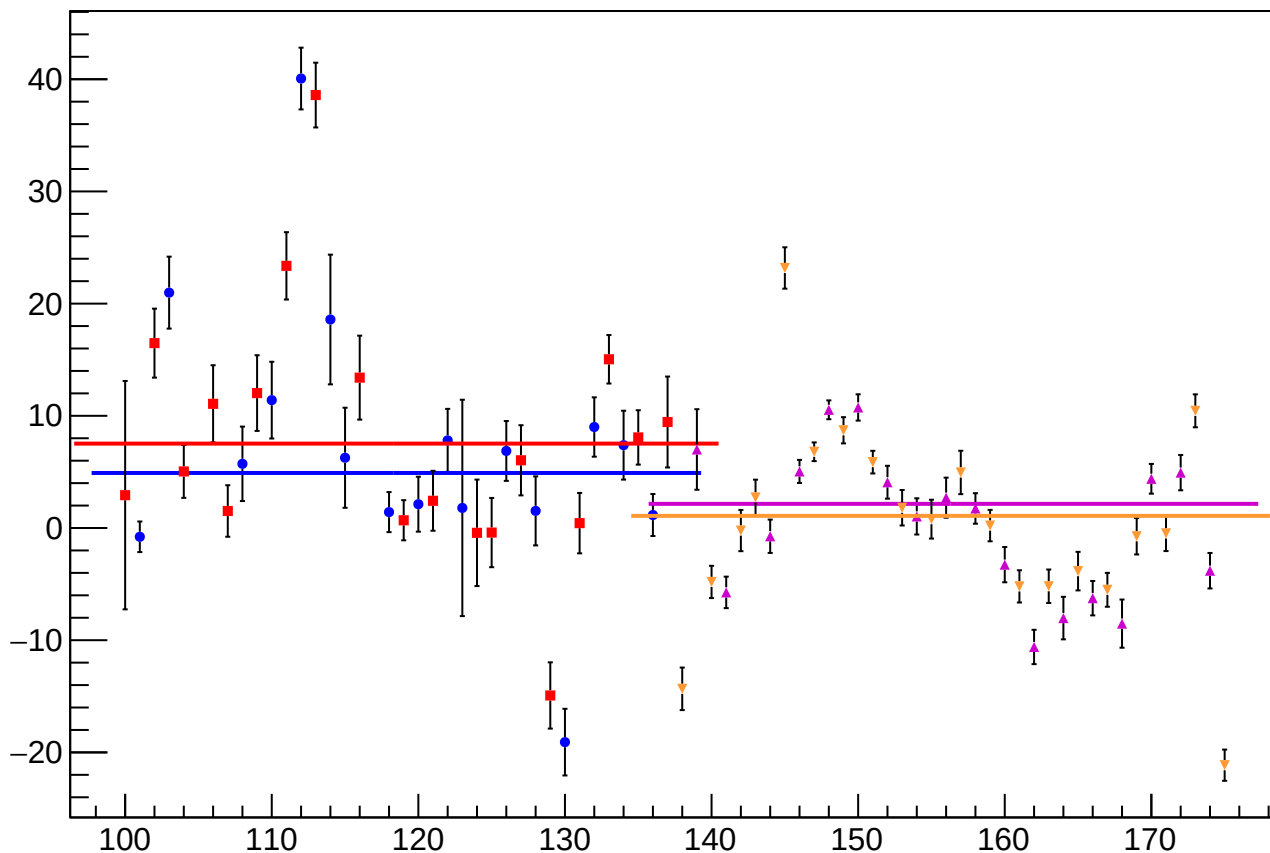
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -64.434+/-0.467 χ^2/NDF :947.9/17

Out: -60.525+/-0.446 χ^2/NDF :2047.3/19

All: -62.388+/-0.322 χ^2/NDF : 3031.9/37

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 1.082 ± 0.318 $\chi^2/\text{NDF}: 707.0/19$

Right Out: 7.523 ± 0.651 $\chi^2/\text{NDF}: 270.6/18$

Left In: 2.153 ± 0.334 $\chi^2/\text{NDF}: 386.2/17$

Left: 1.591 ± 0.230 $\chi^2/\text{NDF}: 1098.6/37$

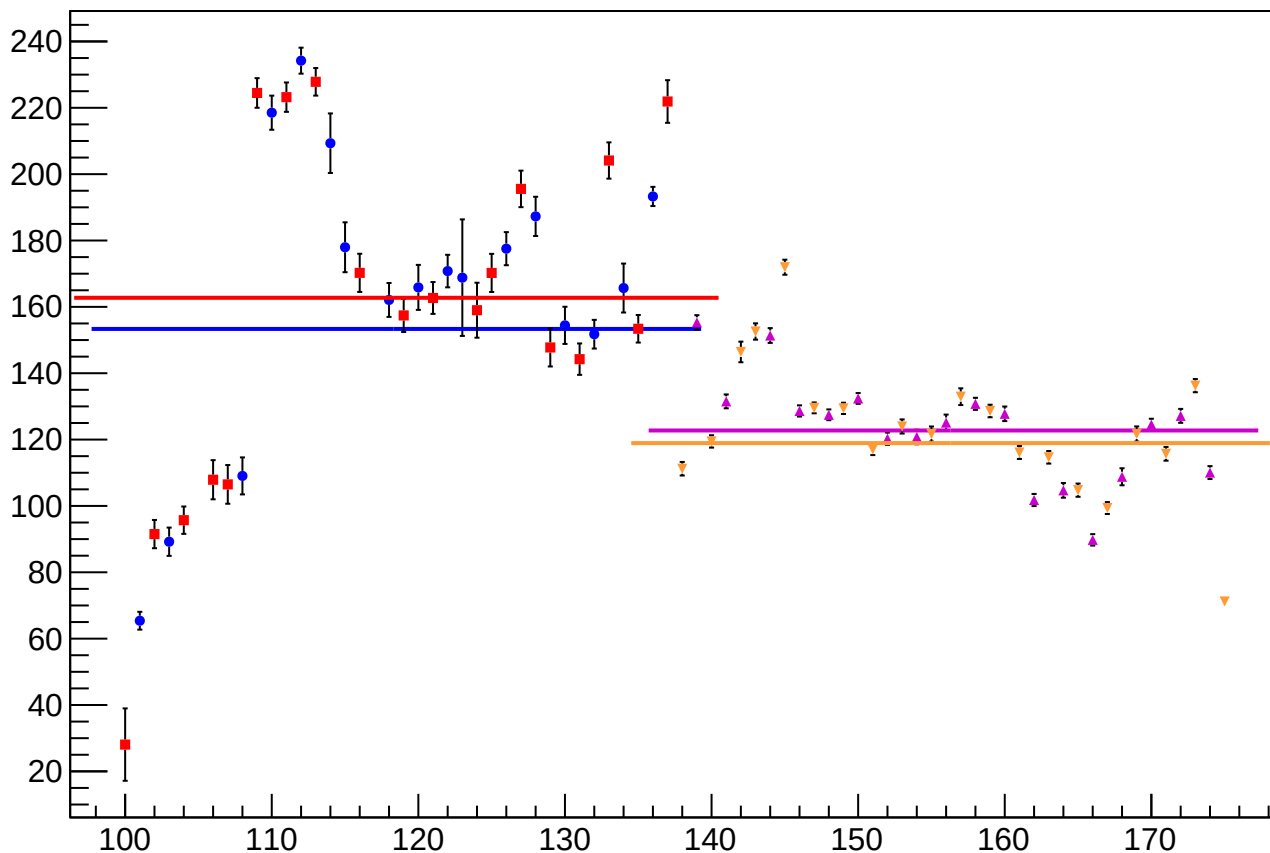
Right: 6.168 ± 0.452 $\chi^2/\text{NDF}: 574.4/35$

In: 2.761 ± 0.295 $\chi^2/\text{NDF}: 696.6/34$

Out: 2.324 ± 0.286 $\chi^2/\text{NDF}: 1056.8/38$

All: 2.536 ± 0.205 $\chi^2/\text{NDF}: 1754.5/73$

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: 118.938 $\pm$ 0.441 χ^2 /NDF:2323.1/19

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

Left In: 122.742 $\pm$ 0.460 χ^2 /NDF:1131.6/17

Left: 120.758 $\pm$ 0.318 χ^2 /NDF: 3490.4/37

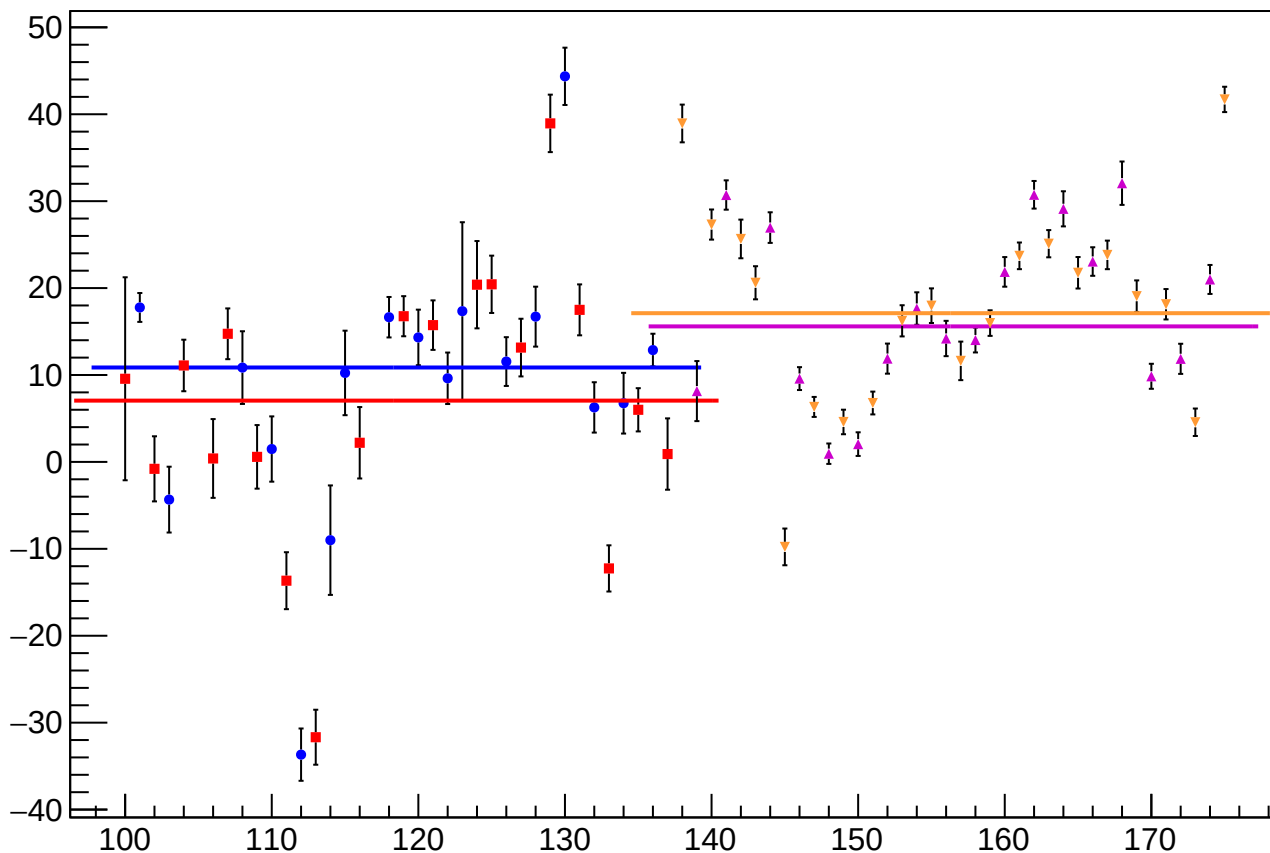
Right: 157.935 $\pm$ 0.823 χ^2 /NDF: 4009.6/35

In: 126.965 $\pm$ 0.427 χ^2 /NDF:4010.3/34

Out: 124.324 $\pm$ 0.413 χ^2 /NDF:5246.4/38

All: 125.599 $\pm$ 0.297 χ^2 /NDF: 9276.6/73

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: 17.111 $\pm$ 0.370 χ^2 /NDF: 968.4/19

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

Left In: 15.592 $\pm$ 0.388 χ^2 /NDF: 654.0/17

Left: 16.388 $\pm$ 0.268 χ^2 /NDF: 1630.5/37

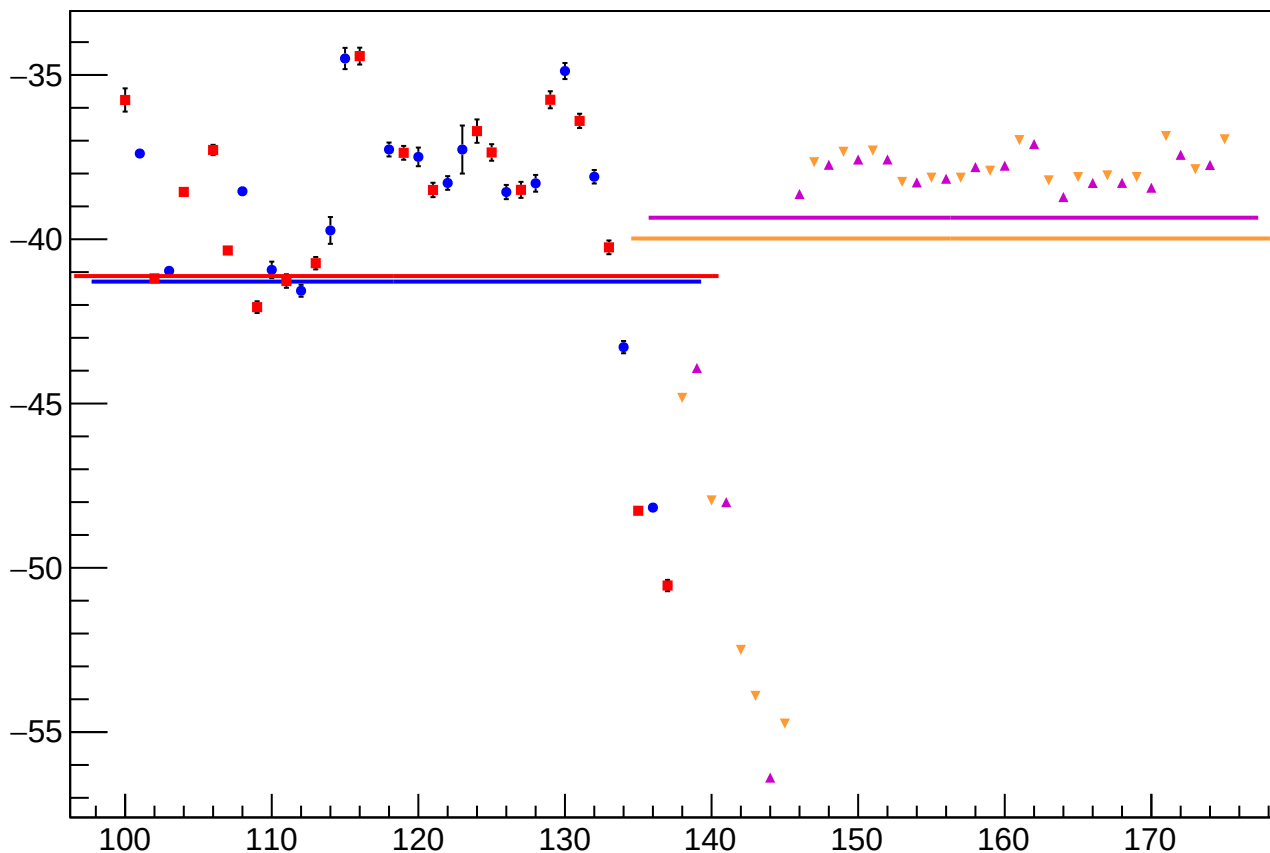
Right: 9.031 $\pm$ 0.518 χ^2 /NDF: 826.1/35

In: 14.527 $\pm$ 0.342 χ^2 /NDF: 1075.4/34

Out: 15.135 $\pm$ 0.331 χ^2 /NDF: 1538.7/38

All: 14.840 $\pm$ 0.238 χ^2 /NDF: 2615.7/73

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -39.977 ± 0.018 $\chi^2/\text{NDF}: 84579.5/19$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

Left In: -39.344 ± 0.018 $\chi^2/\text{NDF}: 50472.7/17$

Left: -39.668 ± 0.013 $\chi^2/\text{NDF}: 135683.3/37$

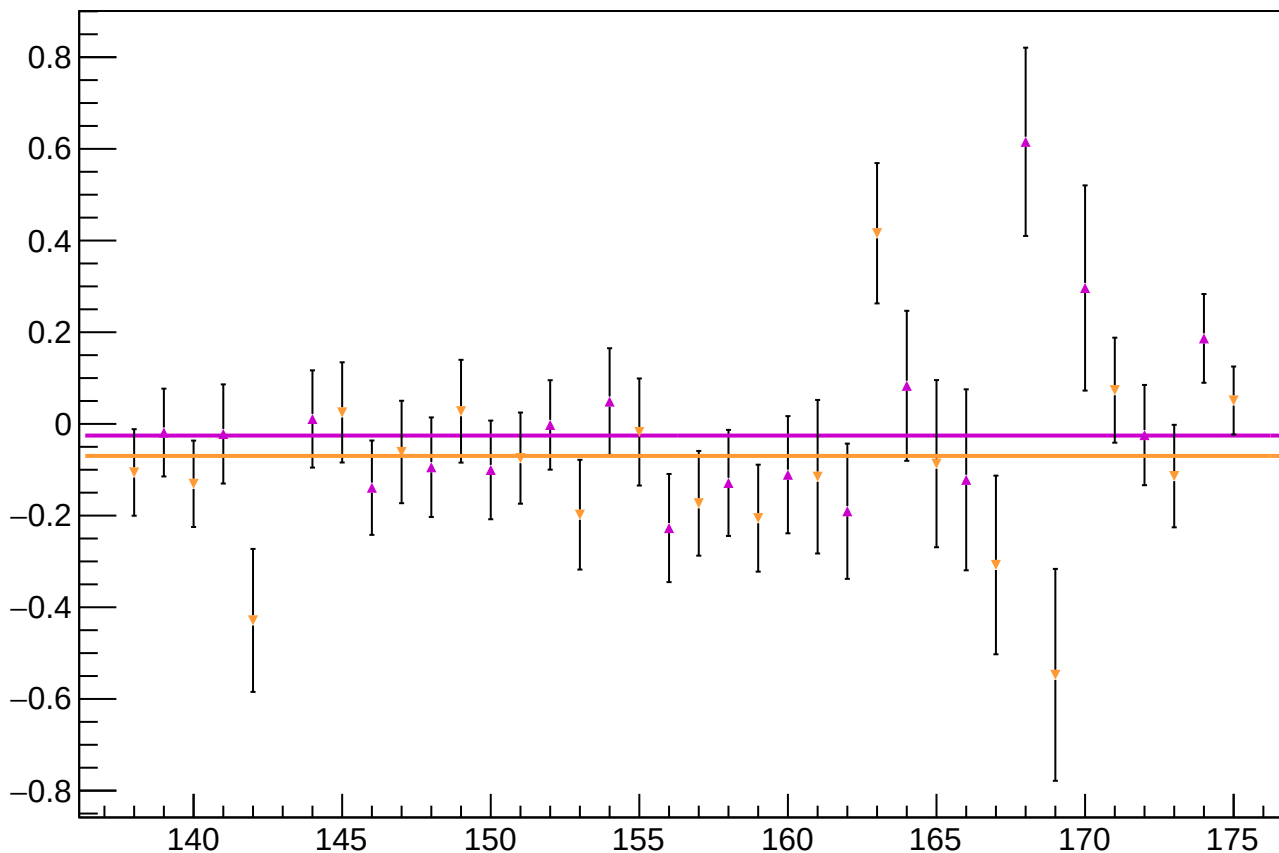
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24629.1/35$

In: -39.691 ± 0.016 $\chi^2/\text{NDF}: 65064.8/34$

Out: -40.173 ± 0.016 $\chi^2/\text{NDF}: 97414.7/38$

All: -39.937 ± 0.011 $\chi^2/\text{NDF}: 162923.1/73$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.070 $\pm$ 0.027 χ^2 /NDF:31.2/18

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.025 $\pm$ 0.028 χ^2 /NDF:25.4/17

Left: -0.049 $\pm$ 0.019 χ^2 /NDF: 57.9/36

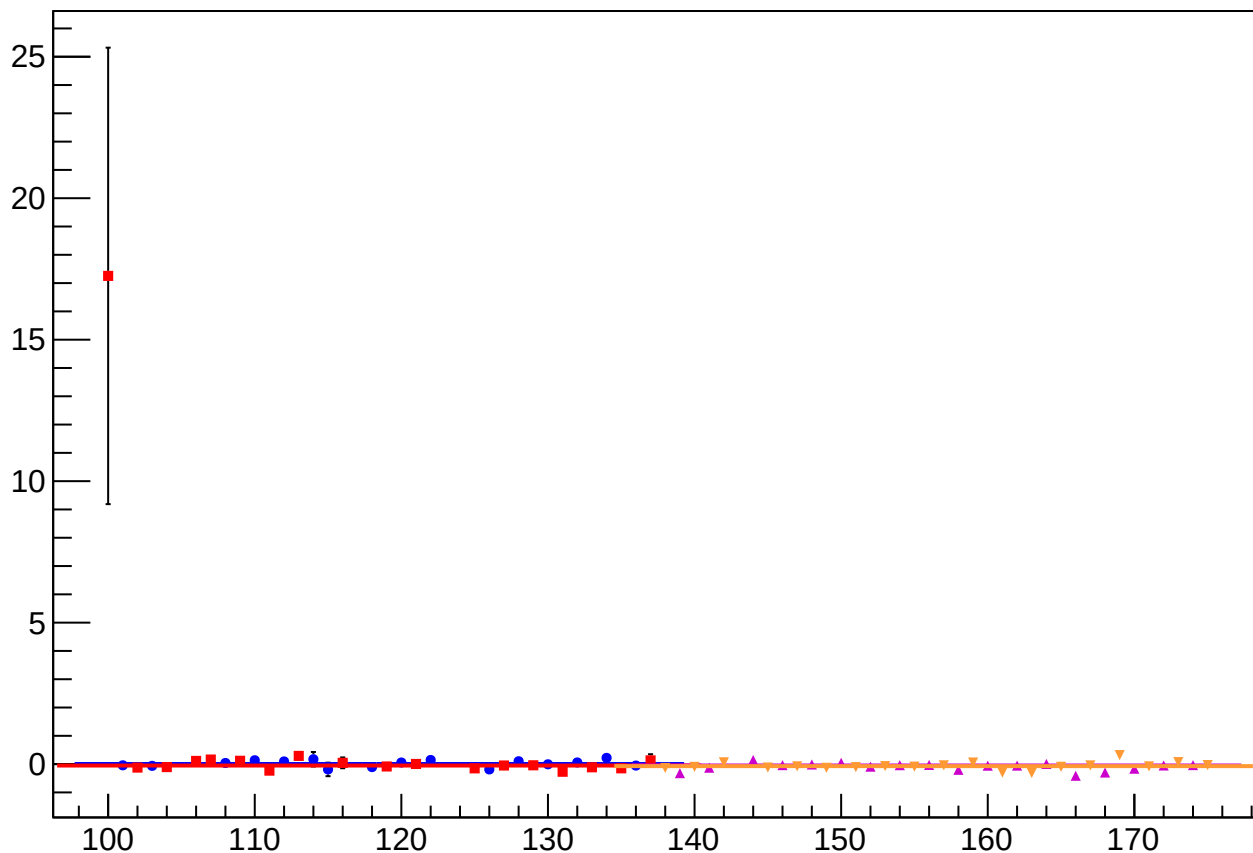
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.025 $\pm$ 0.028 χ^2 /NDF:25.4/17

Out: -0.070 $\pm$ 0.027 χ^2 /NDF:31.2/18

All: -0.049 $\pm$ 0.019 χ^2 /NDF: 57.9/36

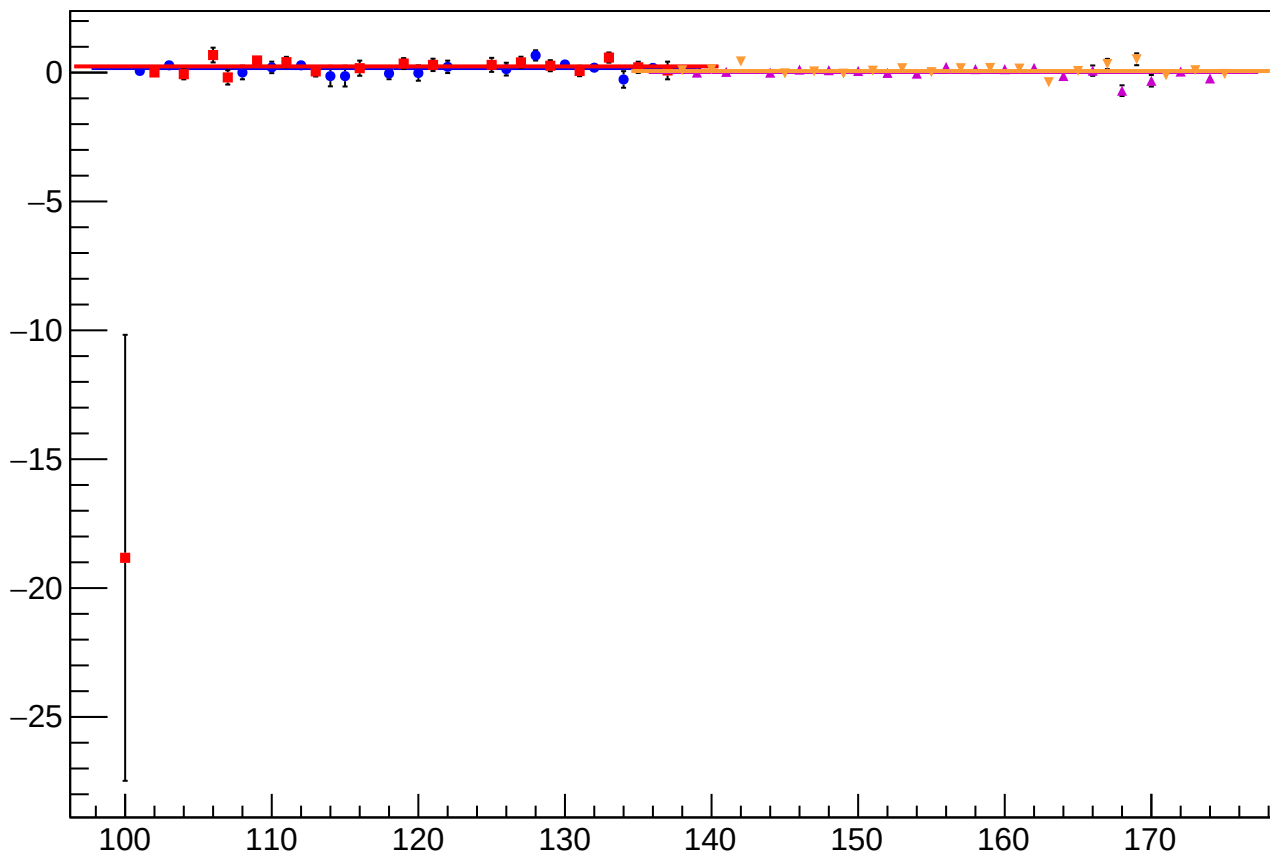
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 $\chi^2/\text{NDF}: 12.4/15$
 Left Out: -0.071 ± 0.019 $\chi^2/\text{NDF}: 23.0/18$
 Right Out: -0.050 ± 0.029 $\chi^2/\text{NDF}: 25.6/17$
 Left In: -0.049 ± 0.020 $\chi^2/\text{NDF}: 23.0/17$

Left: -0.061 ± 0.014 $\chi^2/\text{NDF}: 46.6/36$
 Right: -0.023 ± 0.020 $\chi^2/\text{NDF}: 39.7/33$
 In: -0.032 ± 0.016 $\chi^2/\text{NDF}: 37.7/33$
 Out: -0.065 ± 0.016 $\chi^2/\text{NDF}: 49.0/36$
 All: -0.048 ± 0.012 $\chi^2/\text{NDF}: 88.7/70$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.060+/-0.026 χ^2/NDF : 29.7/18

Right Out: 0.240+/-0.054 χ^2/NDF : 21.6/17

Left In: 0.022+/-0.028 χ^2/NDF : 29.7/17

Left: 0.042+/-0.019 χ^2/NDF : 60.4/36

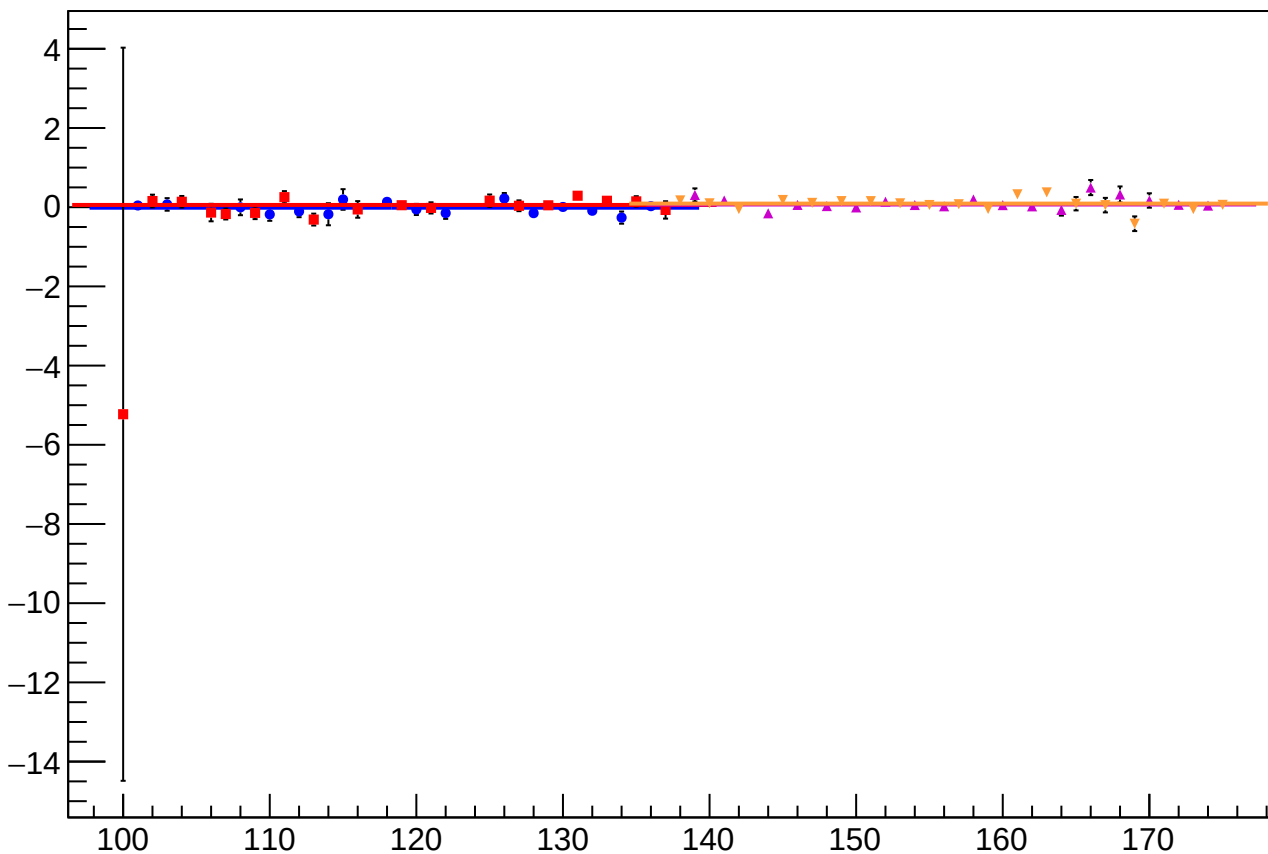
Right: 0.207+/-0.038 χ^2/NDF : 35.3/33

In: 0.056+/-0.024 χ^2/NDF : 49.4/33

Out: 0.095+/-0.024 χ^2/NDF : 60.3/36

All: 0.076+/-0.017 χ^2/NDF : 111.0/70

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 $\pm$ 0.033 χ^2 /NDF: 13.6/15

Left Out: 0.091 $\pm$ 0.023 χ^2 /NDF:25.4/18

Right Out: 0.057 $\pm$ 0.034 χ^2 /NDF: 20.3/17

Left In: 0.068 $\pm$ 0.023 χ^2 /NDF:21.8/17

Left: 0.080 $\pm$ 0.016 χ^2 /NDF: 47.6/36

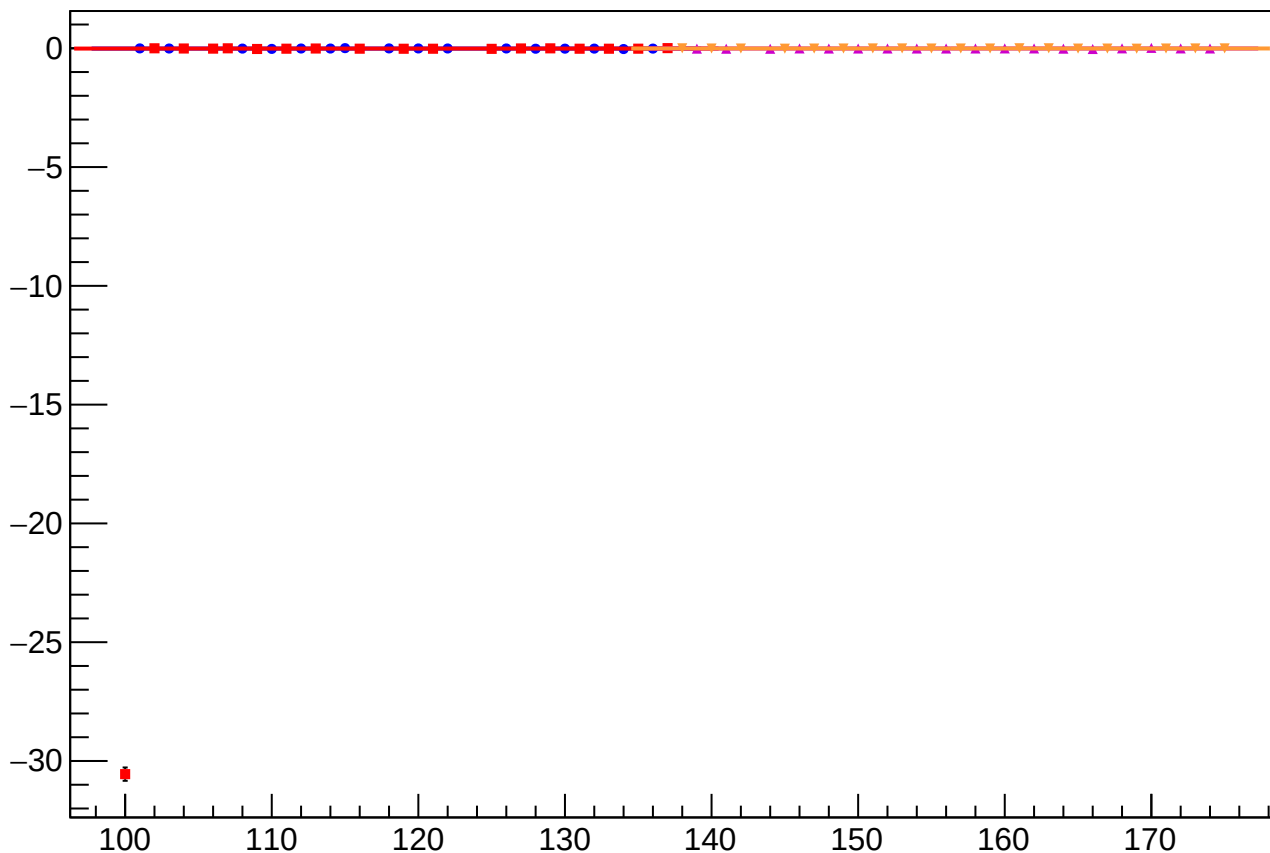
Right: 0.021 $\pm$ 0.024 χ^2 /NDF: 36.2/33

In: 0.041 $\pm$ 0.019 χ^2 /NDF:39.4/33

Out: 0.080 $\pm$ 0.019 χ^2 /NDF:46.4/36

All: 0.061 $\pm$ 0.013 χ^2 /NDF: 88.0/70

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 15.2/18

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.4/17

Left In: -0.010 ± 0.001 χ^2/NDF : 30.4/17

Left: -0.009 ± 0.001 χ^2/NDF : 46.7/36

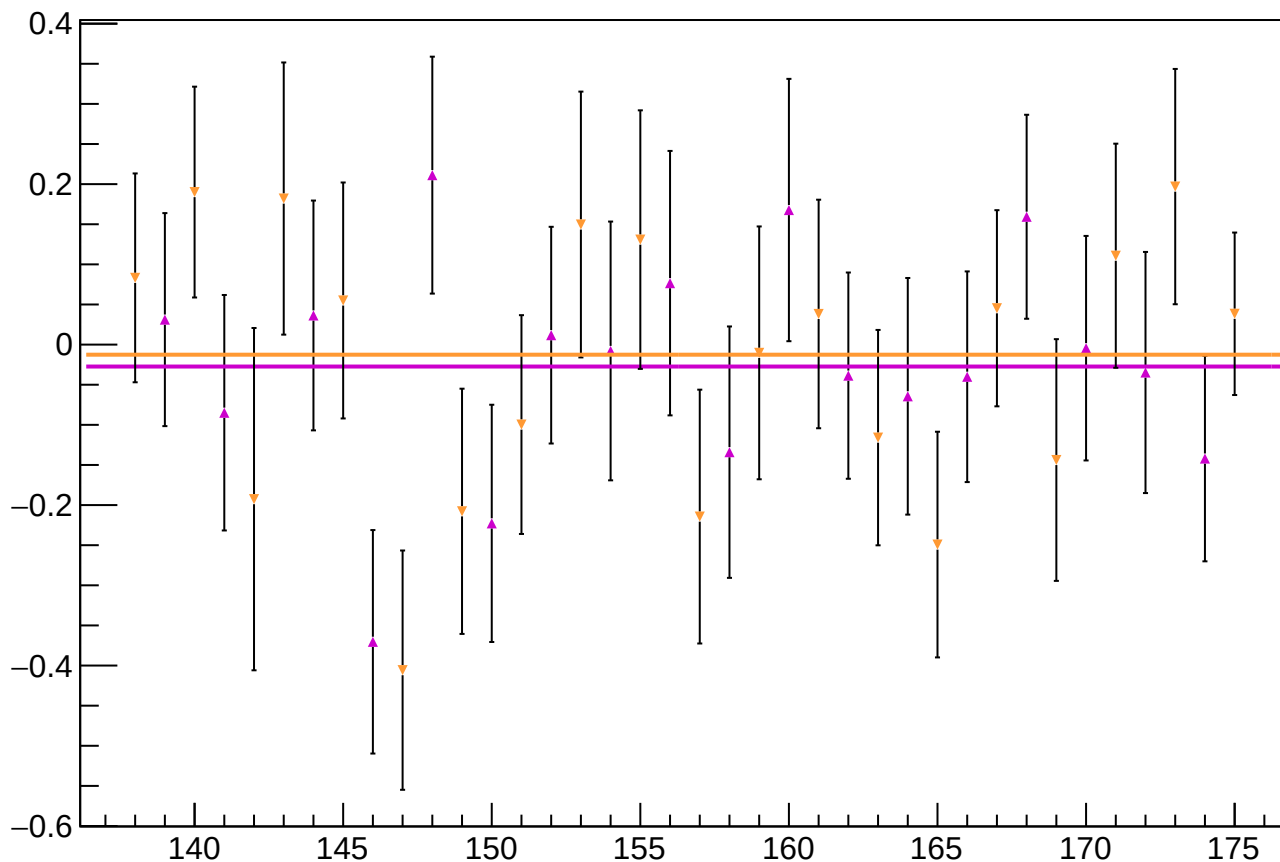
Right: -0.012 ± 0.001 χ^2/NDF : 11904.1/33

In: -0.010 ± 0.001 χ^2/NDF : 44.3/33

Out: -0.009 ± 0.001 χ^2/NDF : 11910.3/36

All: -0.010 ± 0.001 χ^2/NDF : 11955.4/70

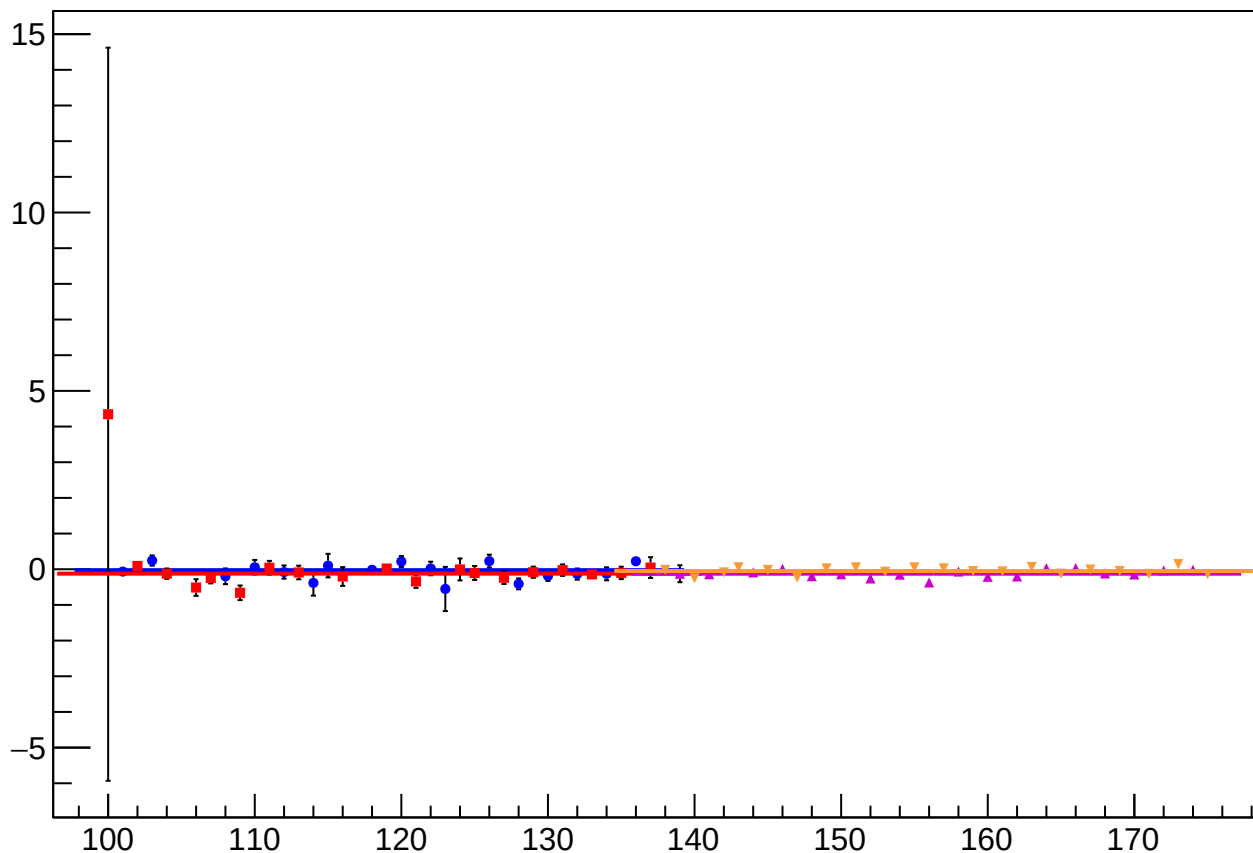
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.013 $\pm$ 0.032 χ^2 /NDF:25.1/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.027 $\pm$ 0.034 χ^2 /NDF:16.4/17

Left: -0.020 $\pm$ 0.023 χ^2 /NDF: 41.7/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.027 $\pm$ 0.034 χ^2 /NDF:16.4/17
 Out: -0.013 $\pm$ 0.032 χ^2 /NDF:25.1/19
 All: -0.020 $\pm$ 0.023 χ^2 /NDF: 41.7/37

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.051 ± 0.023 χ^2/NDF : 20.8/19

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

Left In: -0.125 ± 0.025 χ^2/NDF : 16.8/17

Left: -0.086 ± 0.017 χ^2/NDF : 42.4/37

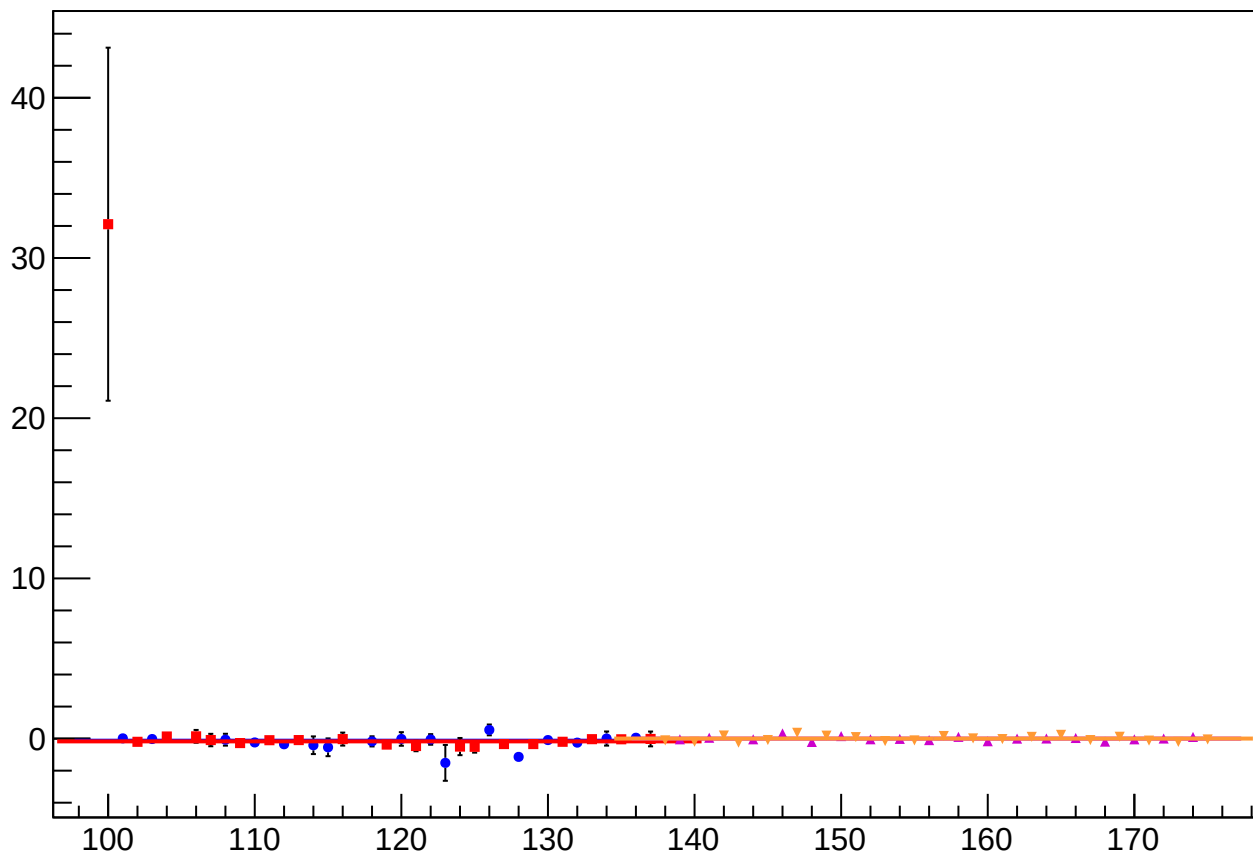
Right: -0.072 ± 0.027 χ^2/NDF : 44.3/35

In: -0.094 ± 0.021 χ^2/NDF : 44.5/34

Out: -0.070 ± 0.020 χ^2/NDF : 41.7/38

All: -0.082 ± 0.014 χ^2/NDF : 86.9/73

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: 0.003 ± 0.032 $\chi^2/\text{NDF}: 24.8/19$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 14.9/18$

Left In: 0.000 ± 0.033 $\chi^2/\text{NDF}: 14.8/17$

Left: 0.002 ± 0.023 $\chi^2/\text{NDF}: 39.6/37$

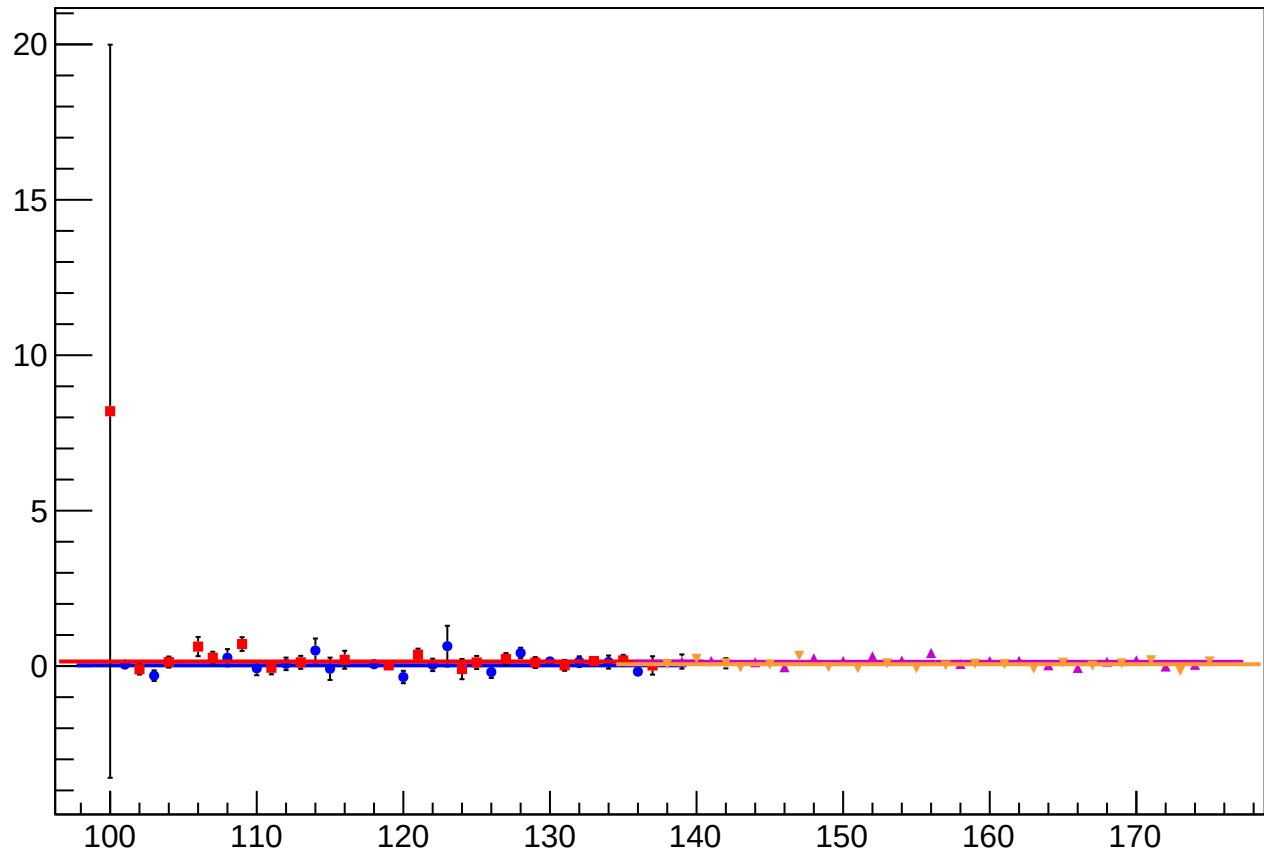
Right: -0.150 ± 0.049 $\chi^2/\text{NDF}: 38.2/35$

In: -0.025 ± 0.030 $\chi^2/\text{NDF}: 40.9/34$

Out: -0.026 ± 0.029 $\chi^2/\text{NDF}: 44.8/38$

All: -0.026 ± 0.021 $\chi^2/\text{NDF}: 85.7/73$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.059+/-0.027 χ^2/NDF :20.5/19

Right Out: 0.148+/-0.045 χ^2/NDF : 16.6/18

Left In: 0.137+/-0.029 χ^2/NDF :17.1/17

Left: 0.096+/-0.020 χ^2/NDF : 41.5/37

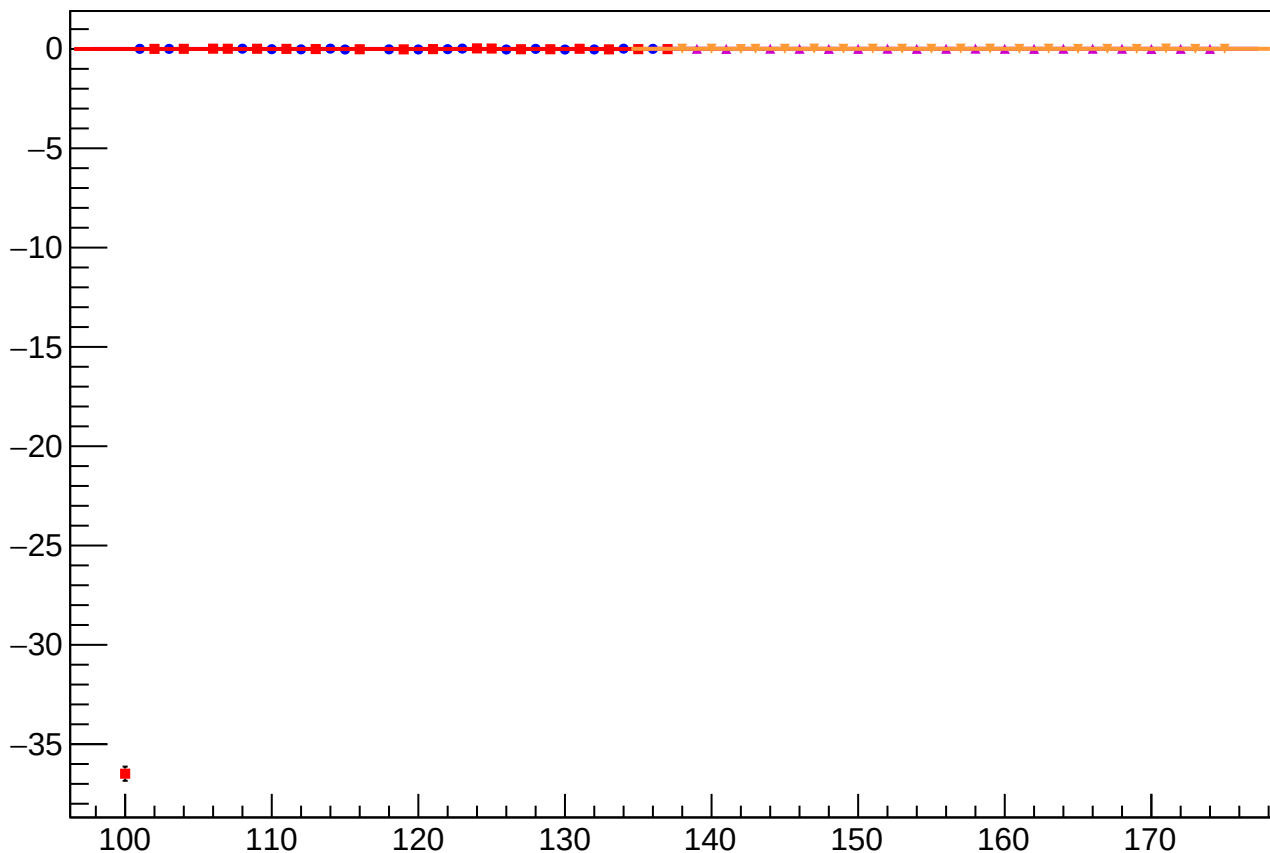
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.101+/-0.024 χ^2/NDF :43.3/34

Out: 0.082+/-0.023 χ^2/NDF :39.9/38

All: 0.092+/-0.017 χ^2/NDF : 83.6/73

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.009 $\pm$ 0.001 χ^2 /NDF:18.7/19

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF:10.8/17

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 29.6/37

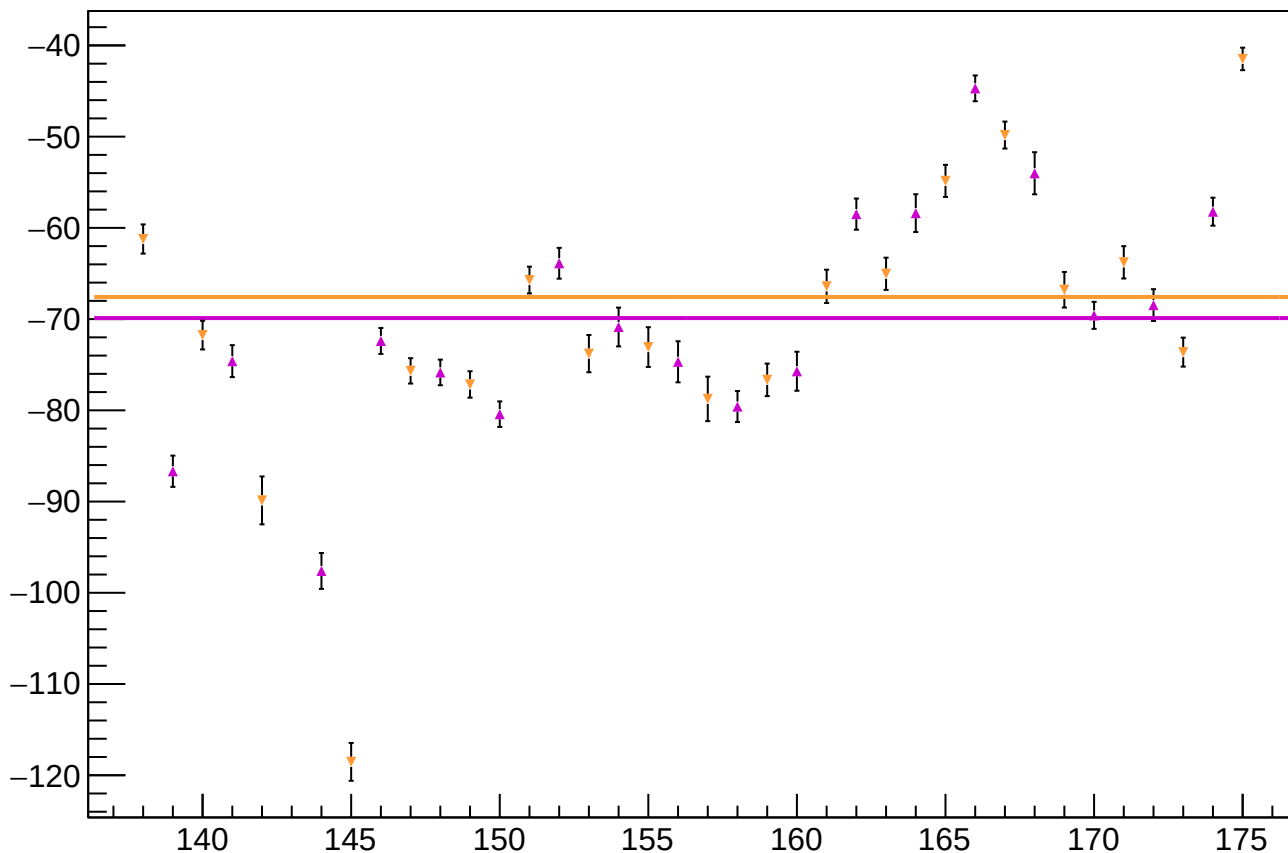
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF:52.5/34

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10478.5/38

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10531.0/73

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -67.572 ± 0.389 χ^2/NDF : 1505.9/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -69.887 ± 0.400 χ^2/NDF : 936.5/17

Left: -68.698 ± 0.279 χ^2/NDF : 2459.5/36

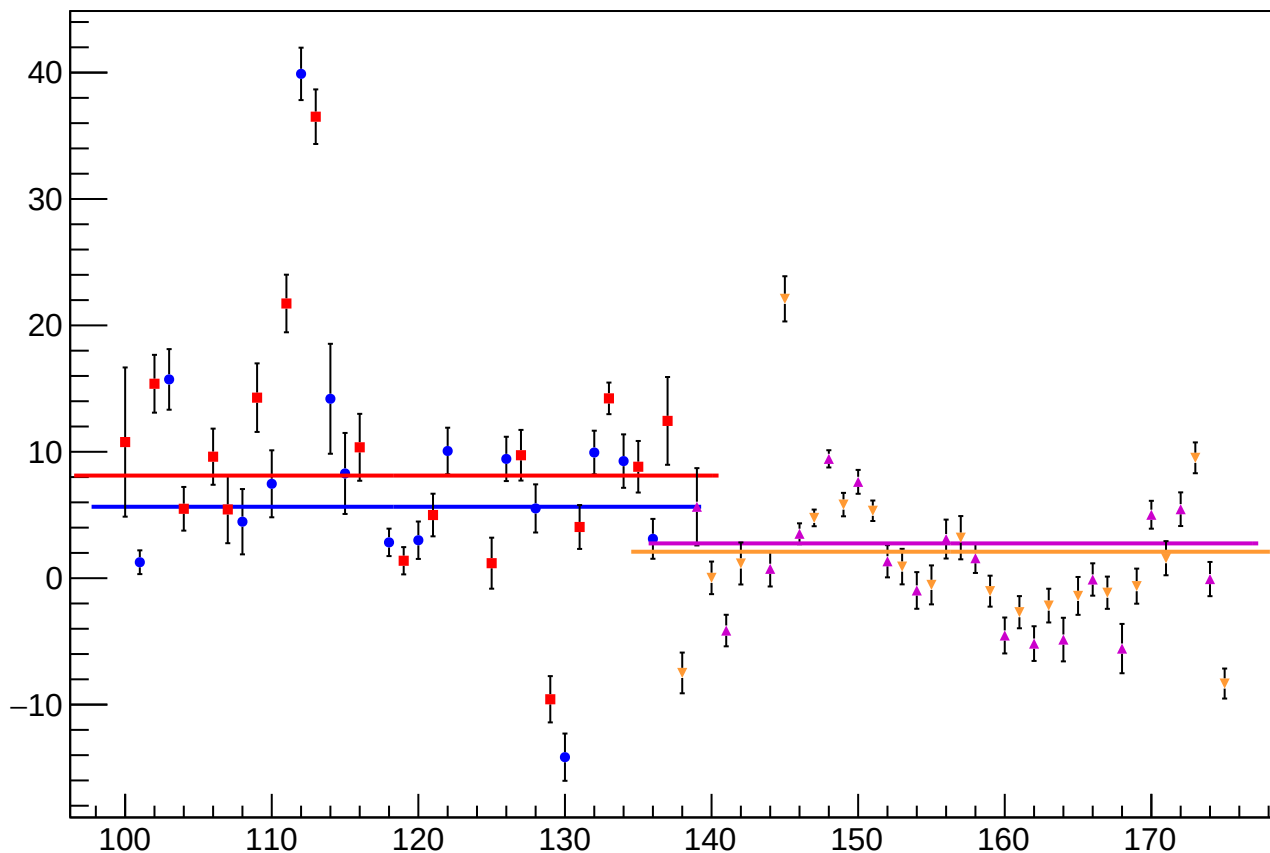
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -69.887 ± 0.400 χ^2/NDF : 936.5/17

Out: -67.572 ± 0.389 χ^2/NDF : 1505.9/18

All: -68.698 ± 0.279 χ^2/NDF : 2459.5/36

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 2.095 ± 0.274 χ^2/NDF : 377.1/18

Right Out: 8.119 ± 0.453 χ^2/NDF : 407.9/17

Left In: 2.753 ± 0.284 χ^2/NDF : 280.9/17

Left: 2.413 ± 0.197 χ^2/NDF : 660.8/36

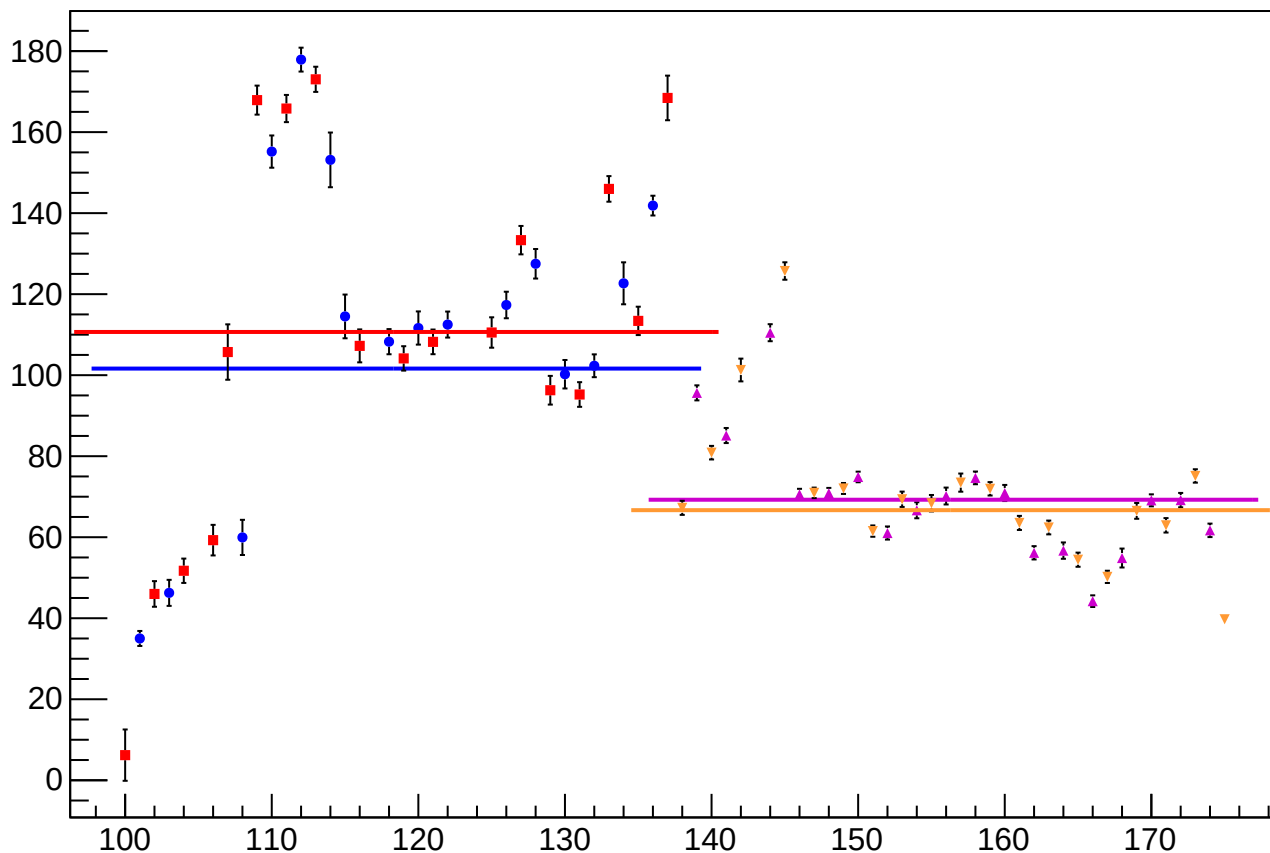
Right: 6.819 ± 0.311 χ^2/NDF : 885.4/33

In: 3.635 ± 0.237 χ^2/NDF : 774.6/33

Out: 3.715 ± 0.235 χ^2/NDF : 914.5/36

All: 3.675 ± 0.167 χ^2/NDF : 1689.1/70

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: 66.677 $\pm$ 0.383 χ^2 /NDF:1722.9/18

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

Left In: 69.253 $\pm$ 0.394 χ^2 /NDF:1184.0/17

Left: 67.930 $\pm$ 0.275 χ^2 /NDF: 2928.9/36

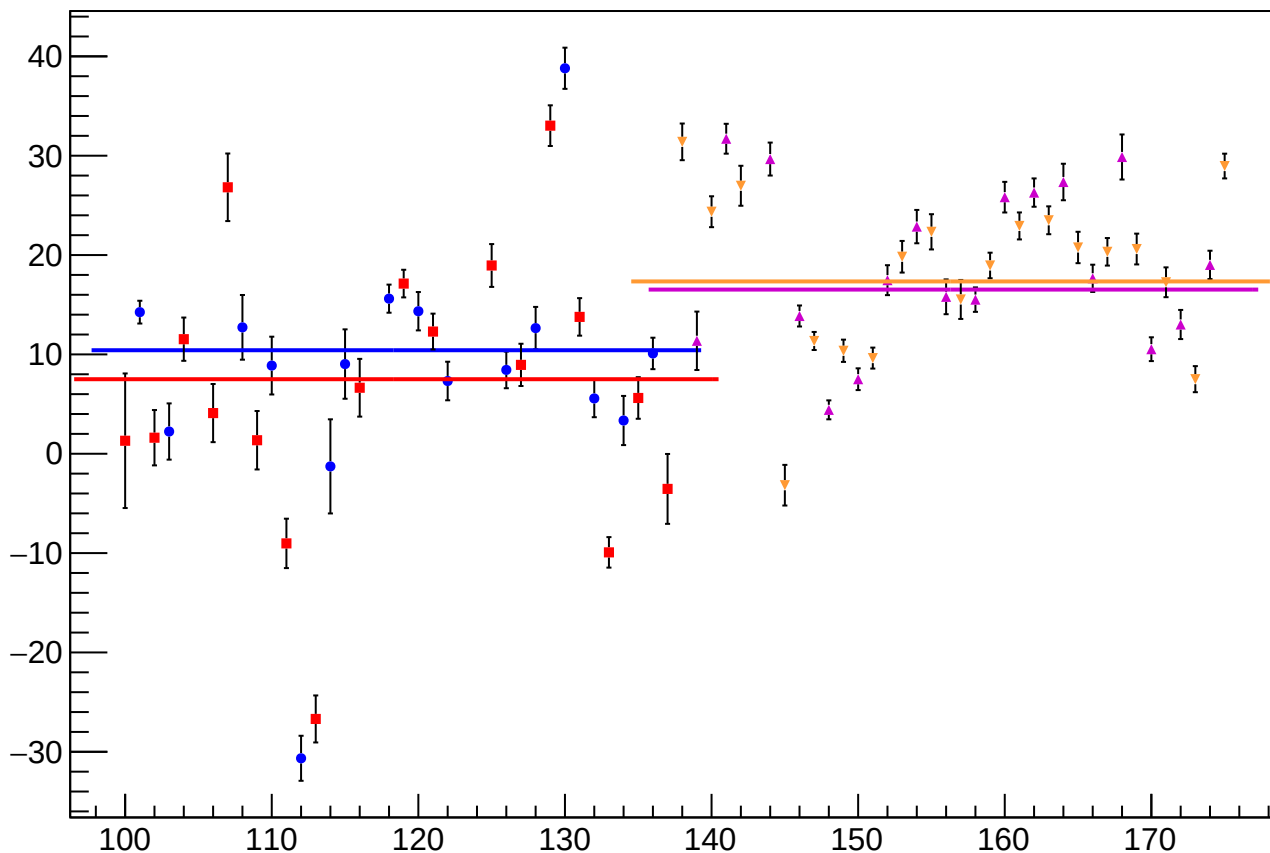
Right: 106.018 $\pm$ 0.583 χ^2 /NDF: 5554.3/33

In: 75.418 $\pm$ 0.354 χ^2 /NDF:5451.2/33

Out: 74.315 $\pm$ 0.348 χ^2 /NDF:6524.6/36

All: 74.857 $\pm$ 0.248 χ^2 /NDF: 11980.8/70

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: 17.345 $\pm$ 0.321 χ^2 /NDF: 543.2/18

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

Left In: 16.524 $\pm$ 0.331 χ^2 /NDF: 605.9/17

Left: 16.948 $\pm$ 0.230 χ^2 /NDF: 1152.3/36

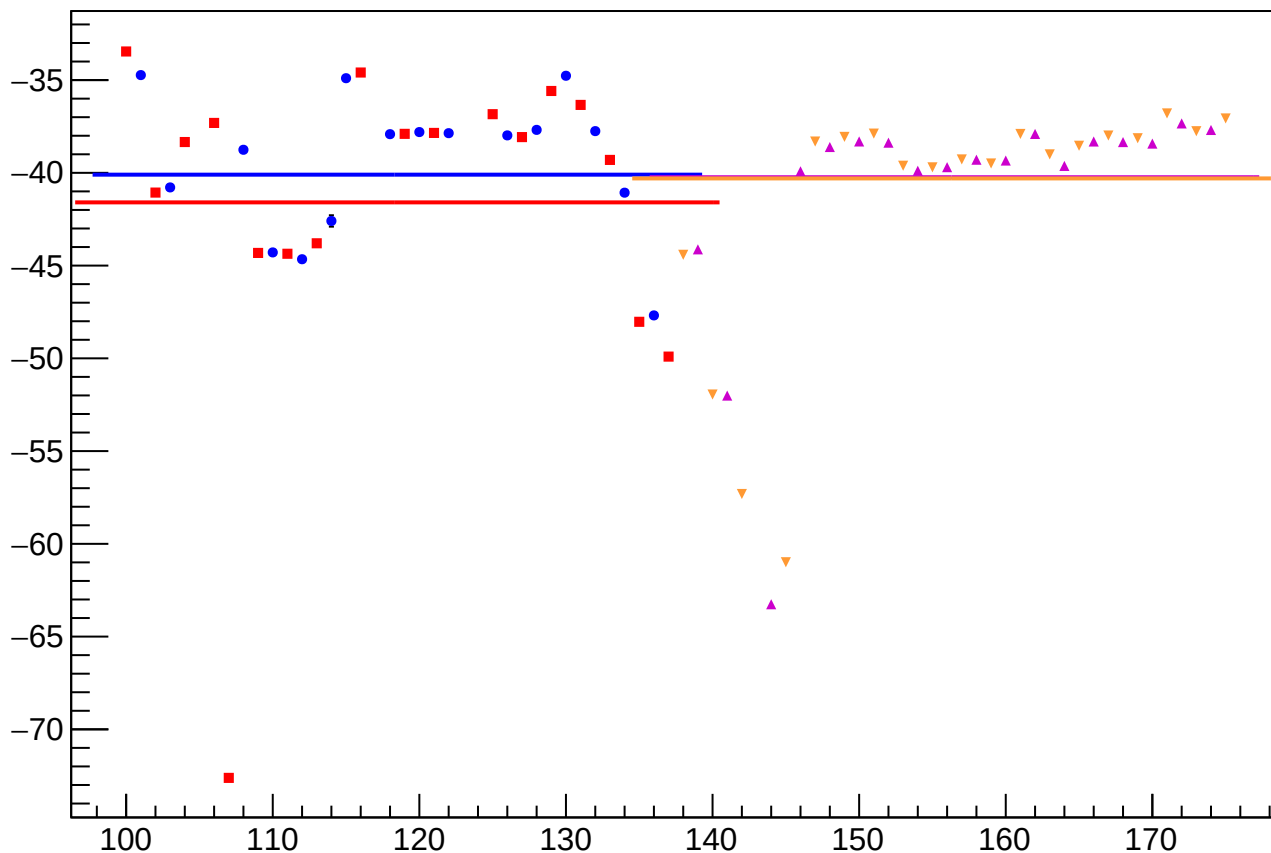
Right: 9.035 $\pm$ 0.360 χ^2 /NDF: 1285.5/33

In: 14.649 $\pm$ 0.276 χ^2 /NDF: 1290.0/33

Out: 14.658 $\pm$ 0.273 χ^2 /NDF: 1489.9/36

All: 14.654 $\pm$ 0.194 χ^2 /NDF: 2779.9/70

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: -40.301 ± 0.015 χ^2/NDF : 127384.8/18

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

Left In: -40.236 ± 0.015 χ^2/NDF : 101472.3/17

Left: -40.268 ± 0.011 χ^2/NDF : 228866.0/36

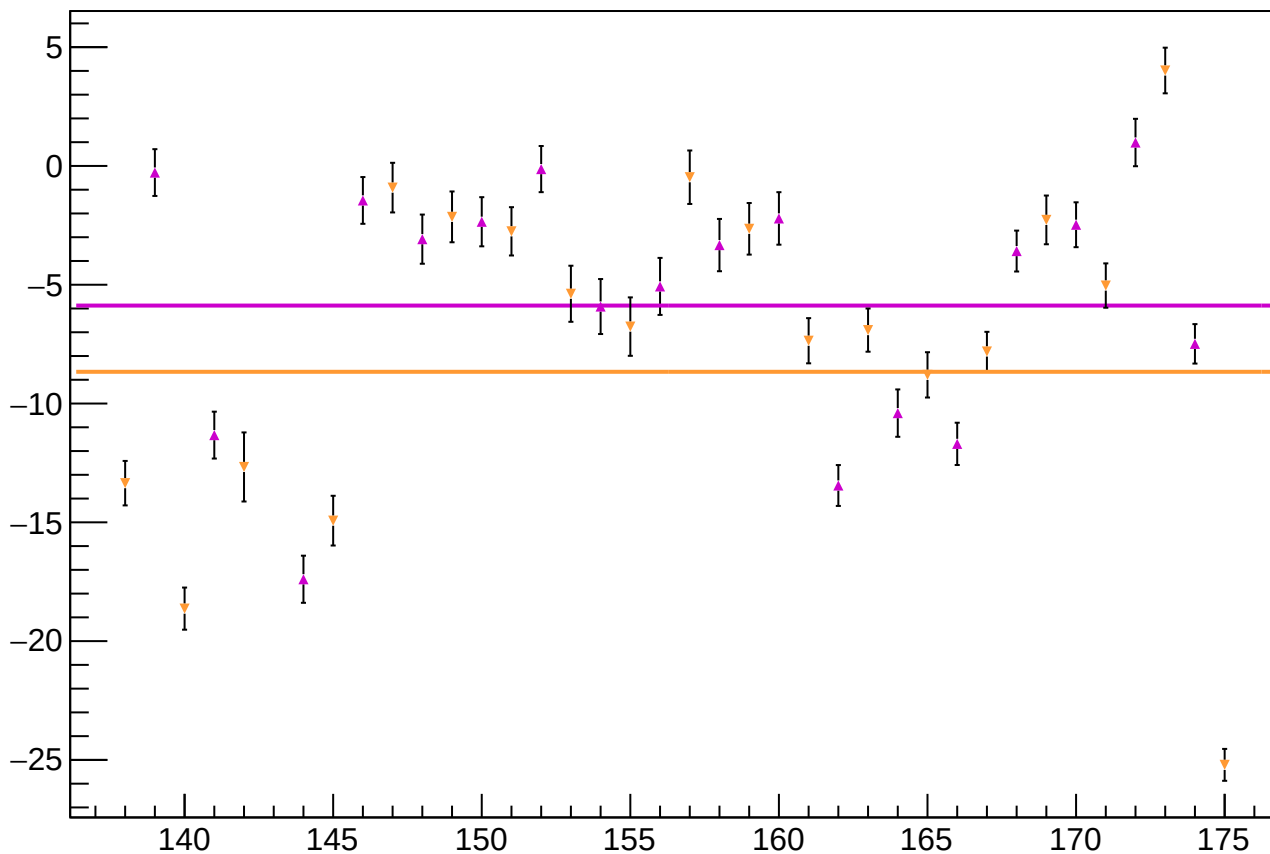
Right: -40.838 ± 0.020 χ^2/NDF : 88129.3/33

In: -40.204 ± 0.014 χ^2/NDF : 126563.8/33

Out: -40.590 ± 0.014 χ^2/NDF : 190645.2/36

All: -40.397 ± 0.010 χ^2/NDF : 317615.0/70

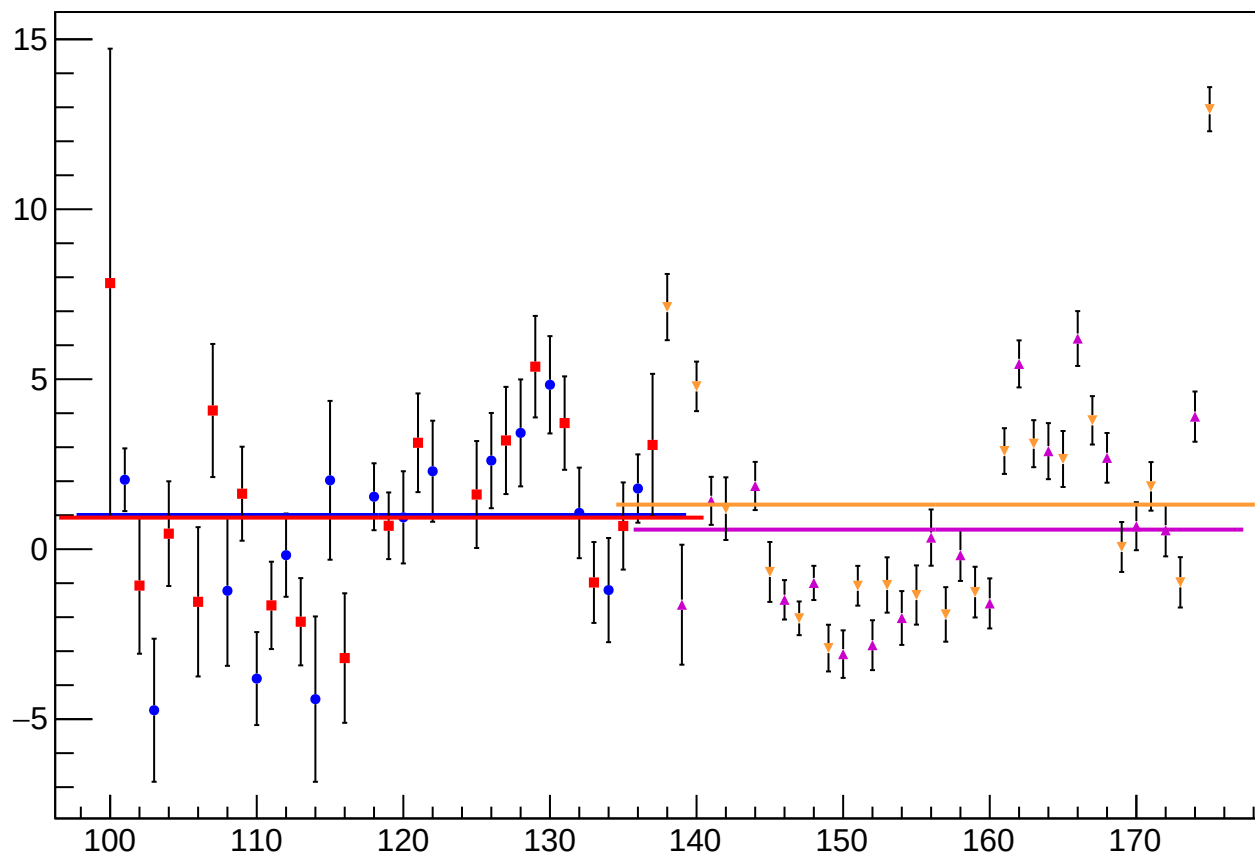
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.664 $\pm$ 0.224 χ^2 /NDF:1257.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.877 $\pm$ 0.231 χ^2 /NDF:500.8/17

Left: -7.313 $\pm$ 0.161 χ^2 /NDF: 1832.8/36
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -5.877 $\pm$ 0.231 χ^2 /NDF:500.8/17
 Out: -8.664 $\pm$ 0.224 χ^2 /NDF:1257.3/18
 All: -7.313 $\pm$ 0.161 χ^2 /NDF: 1832.8/36

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 1.311 ± 0.166 $\chi^2/\text{NDF}: 570.4/18$

Right Out: 0.929 ± 0.353 $\chi^2/\text{NDF}: 41.9/17$

Left In: 0.576 ± 0.171 $\chi^2/\text{NDF}: 232.8/17$

Left: 0.955 ± 0.119 $\chi^2/\text{NDF}: 812.8/36$

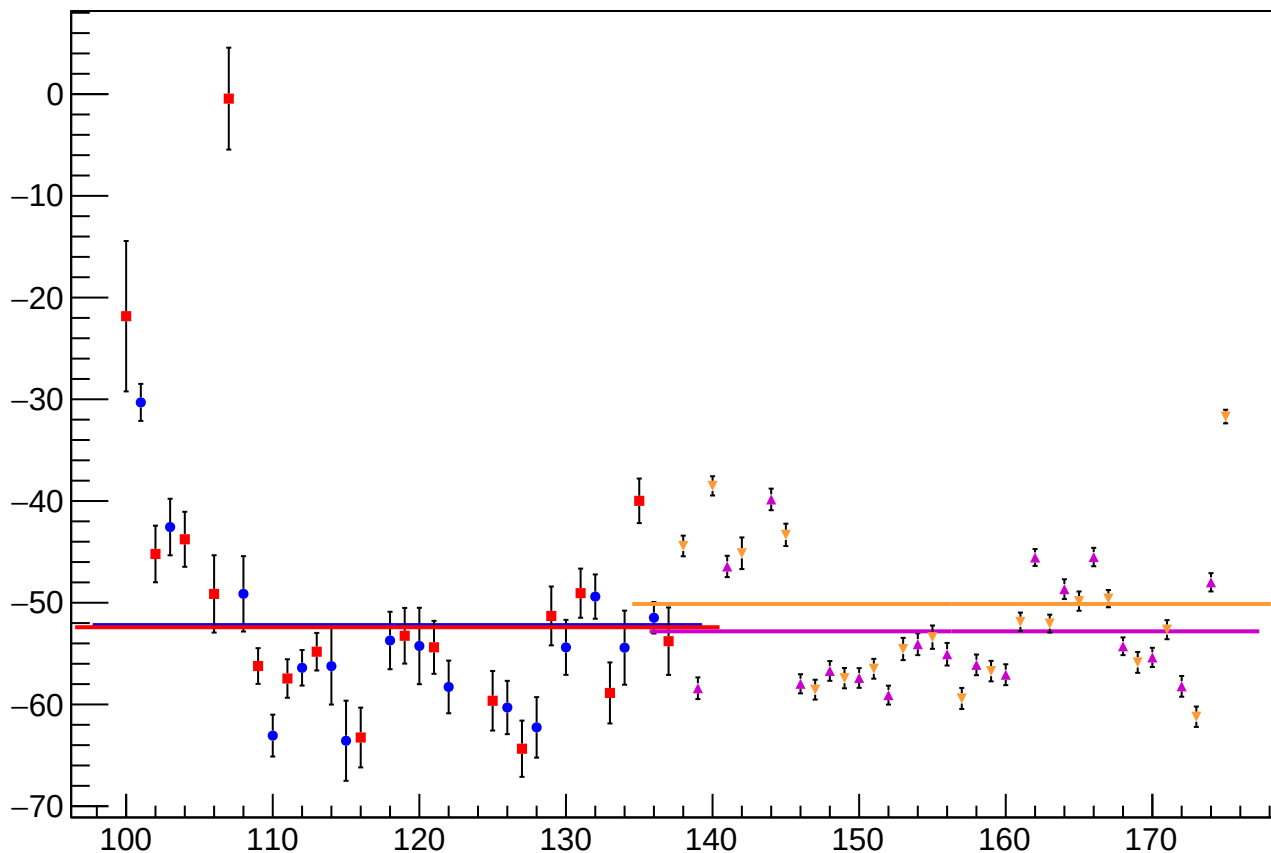
Right: 0.969 ± 0.246 $\chi^2/\text{NDF}: 84.6/33$

In: 0.662 ± 0.153 $\chi^2/\text{NDF}: 276.8/33$

Out: 1.242 ± 0.150 $\chi^2/\text{NDF}: 613.3/36$

All: 0.957 ± 0.107 $\chi^2/\text{NDF}: 897.4/70$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -50.120 ± 0.222 χ^2/NDF : 1474.7/18

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

Left In: -52.812 ± 0.229 χ^2/NDF : 588.2/17

Left: -51.424 ± 0.159 χ^2/NDF : 2134.1/36

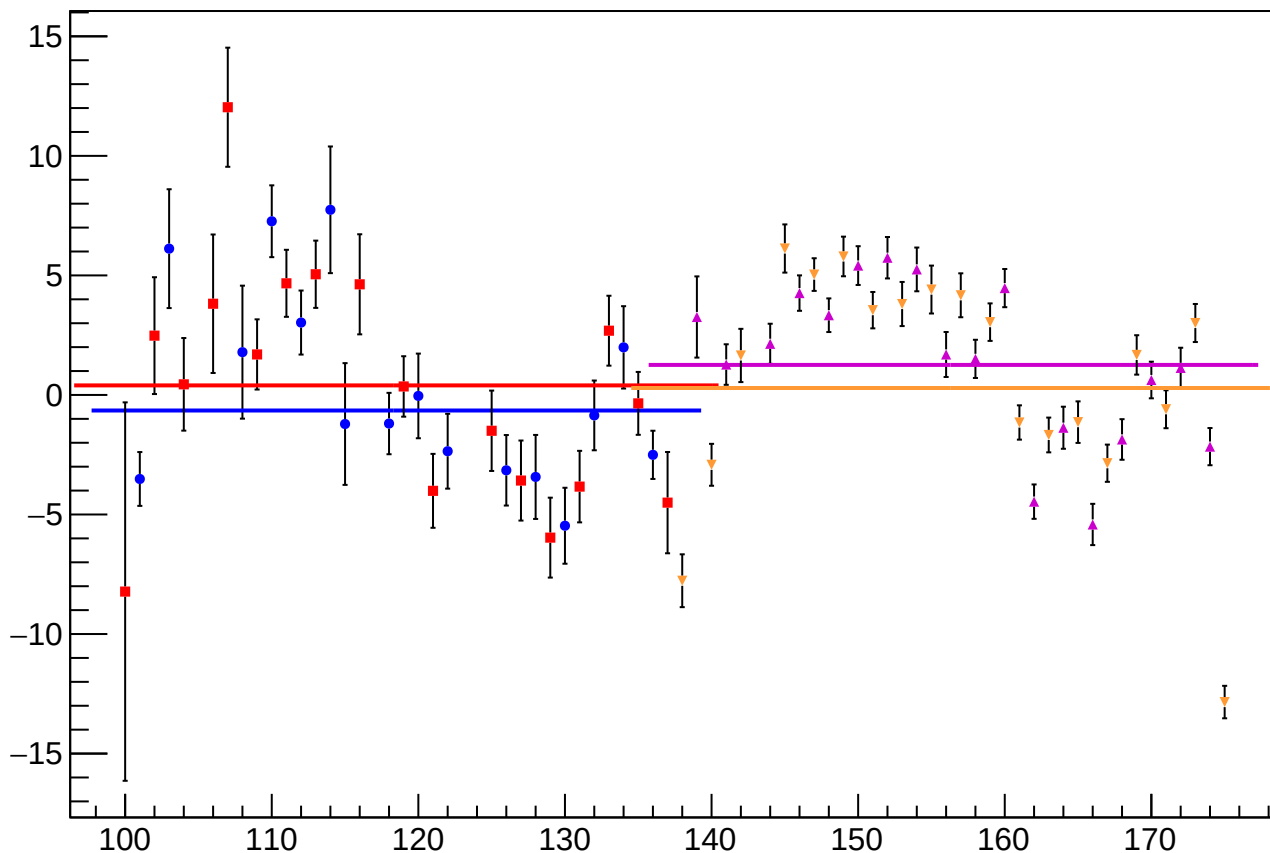
Right: -52.303 ± 0.435 χ^2/NDF : 464.6/33

In: -52.737 ± 0.215 χ^2/NDF : 819.7/33

Out: -50.383 ± 0.209 χ^2/NDF : 1720.8/36

All: -51.528 ± 0.150 χ^2/NDF : 2602.3/70

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: 0.291 ± 0.190 χ^2/NDF : 694.0/18

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

Left In: 1.256 ± 0.196 χ^2/NDF : 281.8/17

Left: 0.757 ± 0.136 χ^2/NDF : 988.3/36

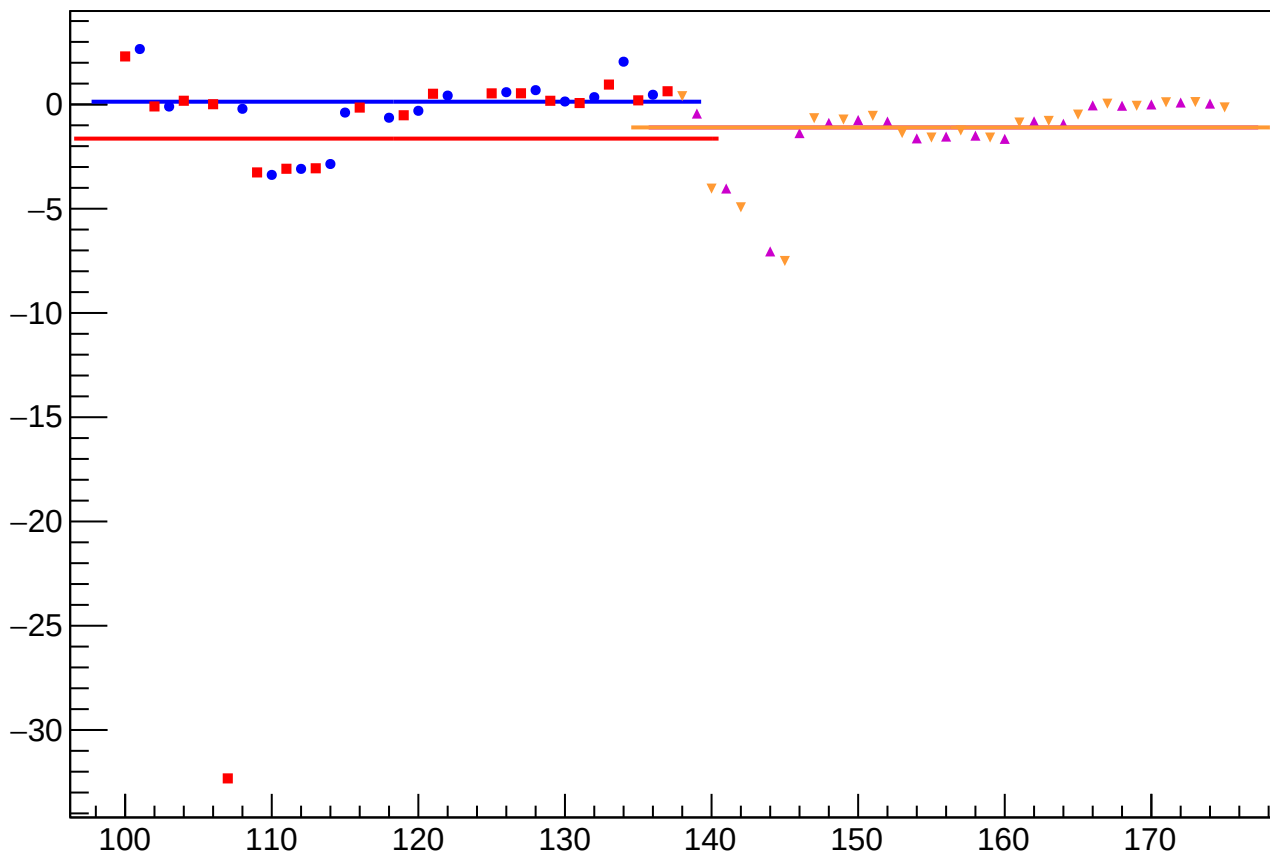
Right: -0.142 ± 0.278 χ^2/NDF : 181.4/33

In: 0.867 ± 0.175 χ^2/NDF : 383.0/33

Out: 0.311 ± 0.171 χ^2/NDF : 789.9/36

All: 0.583 ± 0.122 χ^2/NDF : 1178.1/70

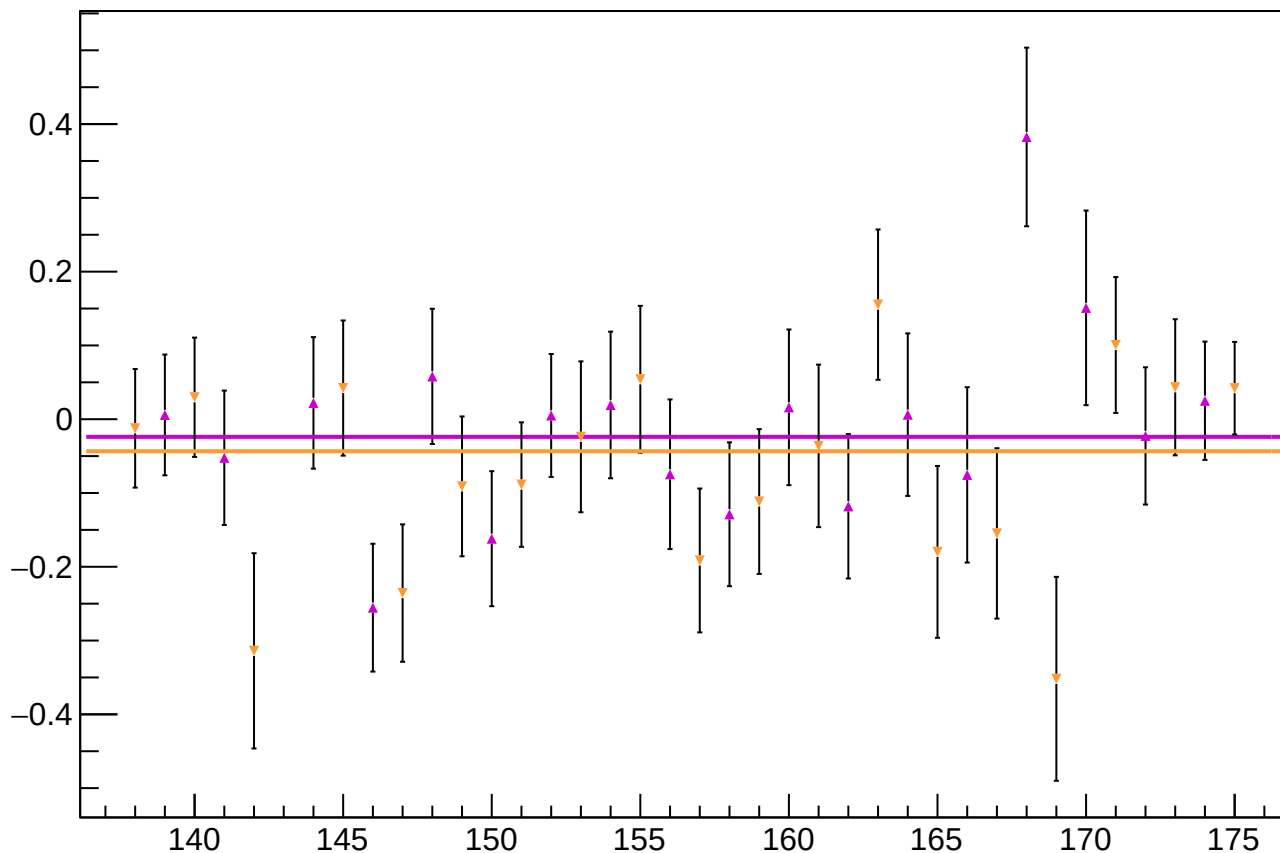
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$
 Left Out: -1.101 ± 0.009 $\chi^2/\text{NDF}: 38578.2/18$
 Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$
 Left In: -1.103 ± 0.009 $\chi^2/\text{NDF}: 27550.4/17$

Left: -1.102 ± 0.006 $\chi^2/\text{NDF}: 66128.6/36$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -0.924 ± 0.008 $\chi^2/\text{NDF}: 35603.6/33$
 Out: -1.176 ± 0.008 $\chi^2/\text{NDF}: 116946.5/36$
 All: -1.051 ± 0.006 $\chi^2/\text{NDF}: 153024.3/70$

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: -0.043+/-0.022 χ^2/NDF : 30.9/18

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

Left In: -0.024+/-0.023 χ^2/NDF : 27.2/17

Left: -0.034+/-0.016 χ^2/NDF : 58.4/36

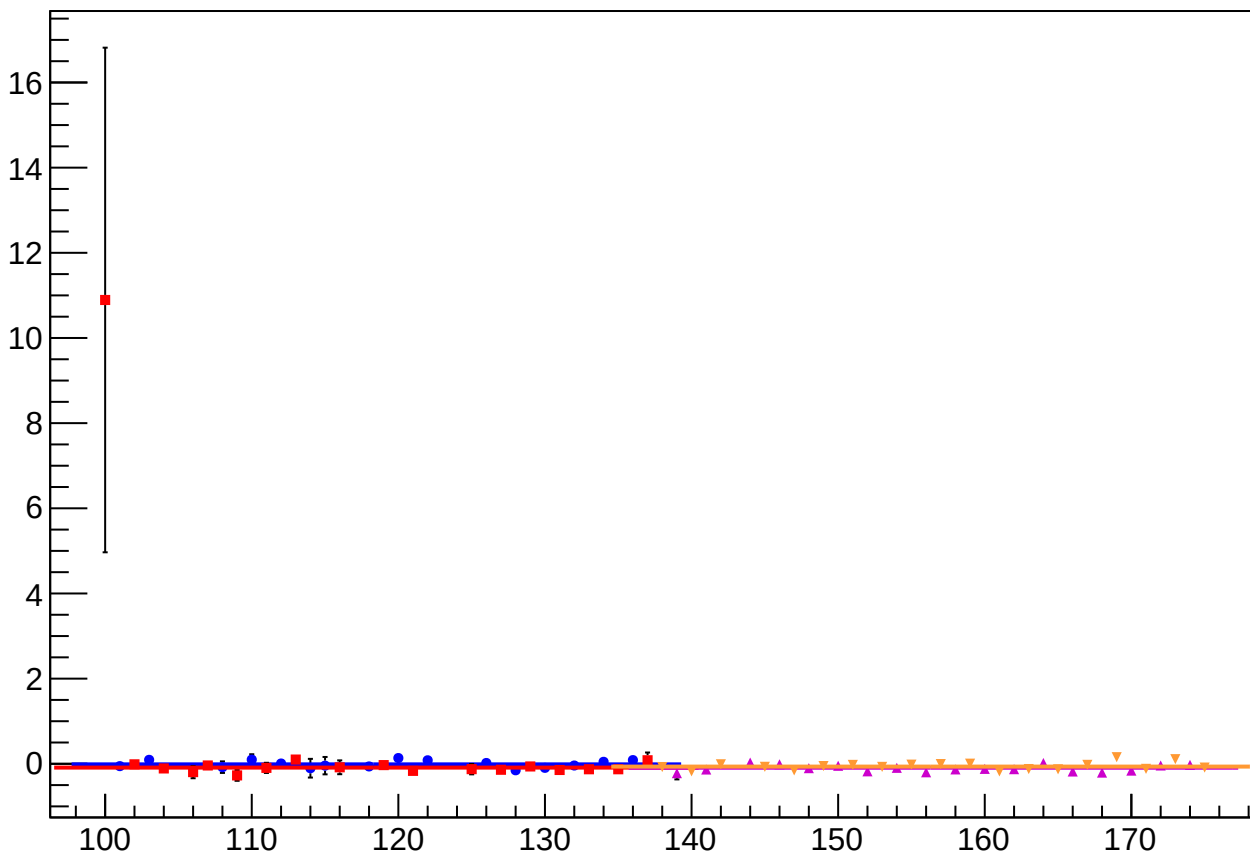
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.024+/-0.023 χ^2/NDF : 27.2/17

Out: -0.043+/-0.022 χ^2/NDF : 30.9/18

All: -0.034+/-0.016 χ^2/NDF : 58.4/36

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 11.7/15

Left Out: -0.066 $\pm$ 0.016 χ^2 /NDF:25.1/18

Right Out: -0.089 $\pm$ 0.025 χ^2 /NDF: 13.0/17

Left In: -0.092 $\pm$ 0.016 χ^2 /NDF:17.9/17

Left: -0.078 $\pm$ 0.011 χ^2 /NDF: 44.4/36

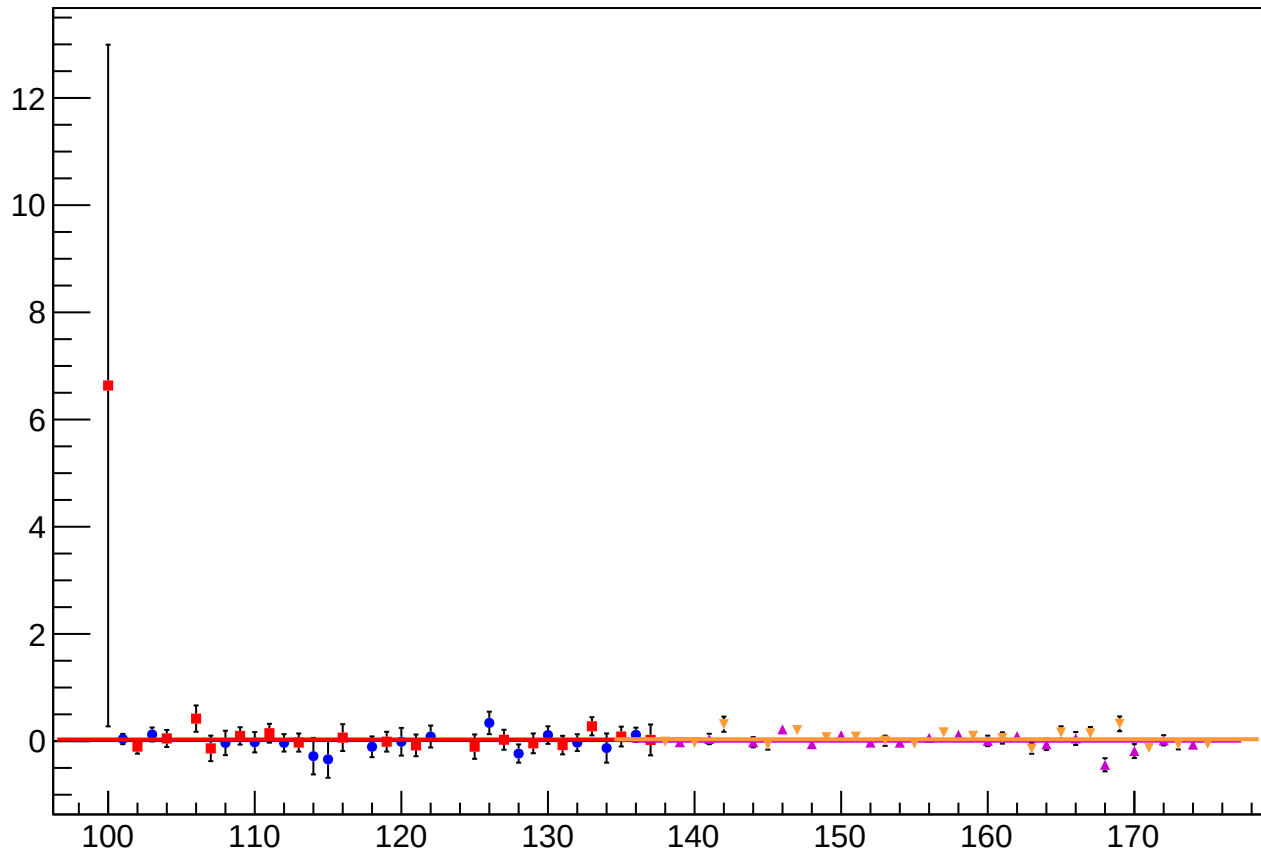
Right: -0.049 $\pm$ 0.017 χ^2 /NDF: 29.6/33

In: -0.066 $\pm$ 0.013 χ^2 /NDF:37.2/33

Out: -0.072 $\pm$ 0.013 χ^2 /NDF:38.7/36

All: -0.069 $\pm$ 0.009 χ^2 /NDF: 76.0/70

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.035 $\pm$ 0.021 χ^2 /NDF: 28.8/18

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

Left In: 0.008 $\pm$ 0.022 χ^2 /NDF: 28.7/17

Left: 0.022 $\pm$ 0.015 χ^2 /NDF: 58.3/36

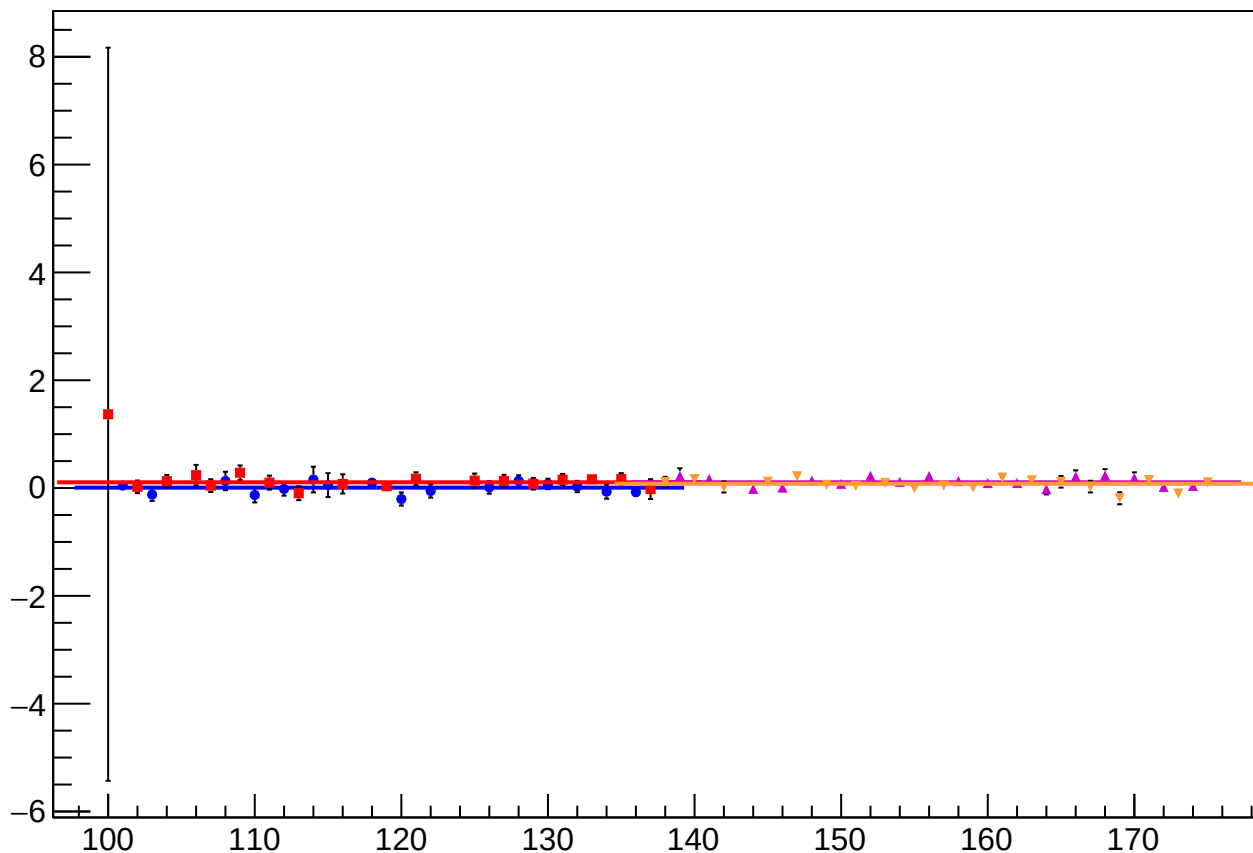
Right: 0.025 $\pm$ 0.031 χ^2 /NDF: 18.3/33

In: 0.010 $\pm$ 0.020 χ^2 /NDF: 37.8/33

Out: 0.034 $\pm$ 0.019 χ^2 /NDF: 38.1/36

All: 0.023 $\pm$ 0.014 χ^2 /NDF: 76.6/70

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.079 $\pm$ 0.018 χ^2 /NDF:25.0/18

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

Left In: 0.107 $\pm$ 0.019 χ^2 /NDF:17.7/17

Left: 0.093 $\pm$ 0.013 χ^2 /NDF: 43.8/36

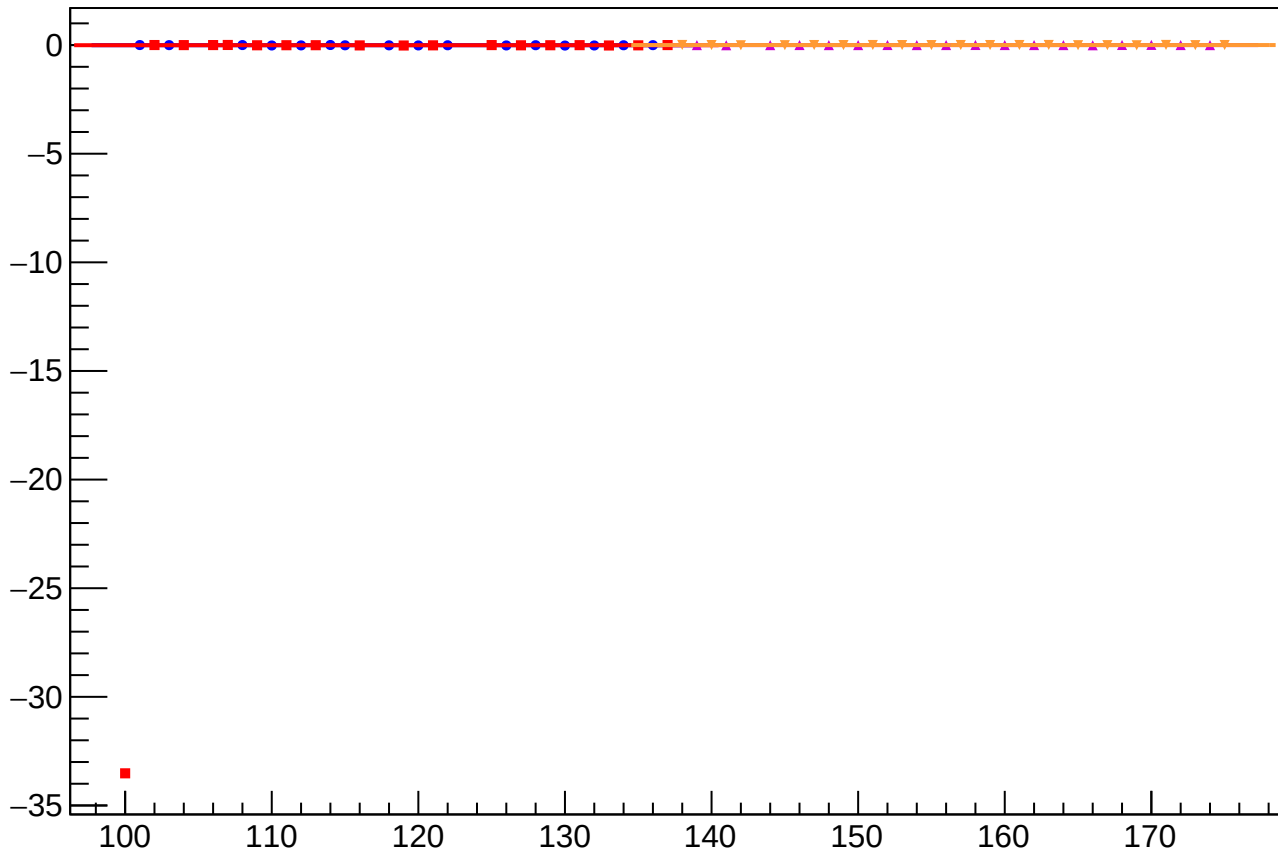
Right: 0.054 $\pm$ 0.020 χ^2 /NDF: 25.8/33

In: 0.074 $\pm$ 0.016 χ^2 /NDF:38.0/33

Out: 0.087 $\pm$ 0.015 χ^2 /NDF:33.8/36

All: 0.081 $\pm$ 0.011 χ^2 /NDF: 72.2/70

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF:18.6/18

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.7/17

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF:15.5/17

Left: 0.001 $\pm$ 0.001 χ^2 /NDF: 34.4/36

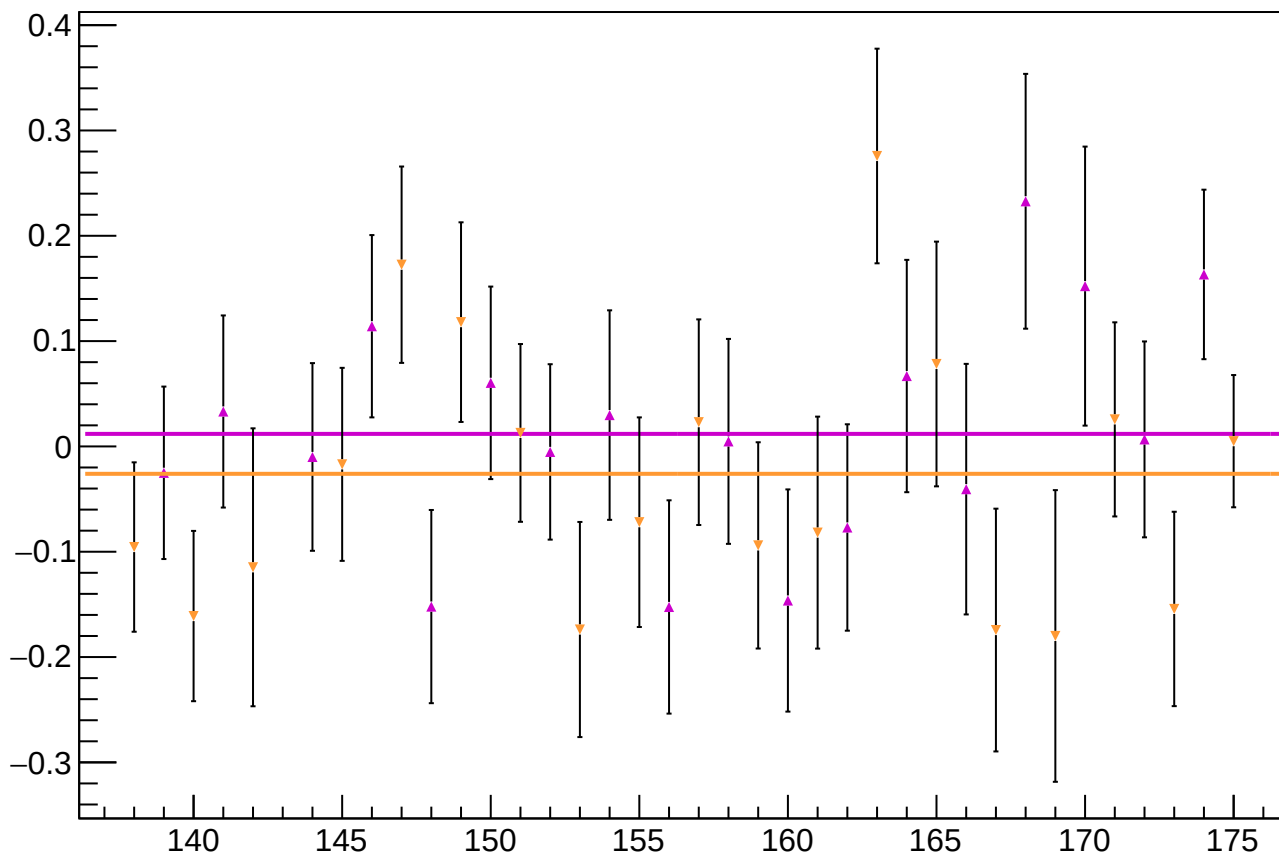
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26530.6/33

In: -0.001 $\pm$ 0.001 χ^2 /NDF:48.5/33

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26544.1/36

All: -0.001 $\pm$ 0.001 χ^2 /NDF: 26592.7/70

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: -0.026 $\pm$ 0.022 χ^2 /NDF:29.3/18

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.012 $\pm$ 0.023 χ^2 /NDF:19.4/17

Left: -0.008 $\pm$ 0.016 χ^2 /NDF: 50.2/36

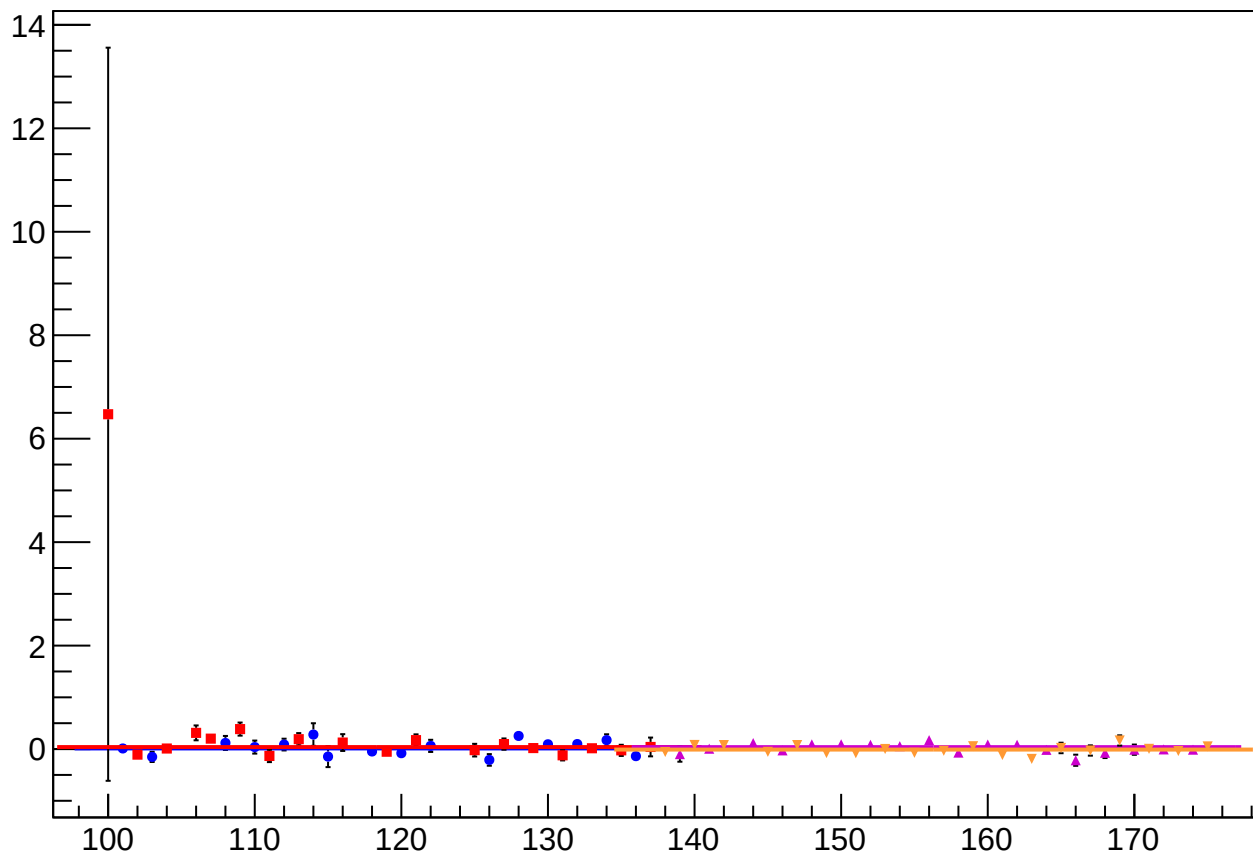
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.012 $\pm$ 0.023 χ^2 /NDF:19.4/17

Out: -0.026 $\pm$ 0.022 χ^2 /NDF:29.3/18

All: -0.008 $\pm$ 0.016 χ^2 /NDF: 50.2/36

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: -0.010 $\pm$ 0.016 χ^2 /NDF:24.2/18

Right Out: 0.038 $\pm$ 0.025 χ^2 /NDF: 28.4/17

Left In: 0.037 $\pm$ 0.016 χ^2 /NDF:21.9/17

Left: 0.013 $\pm$ 0.011 χ^2 /NDF: 50.4/36

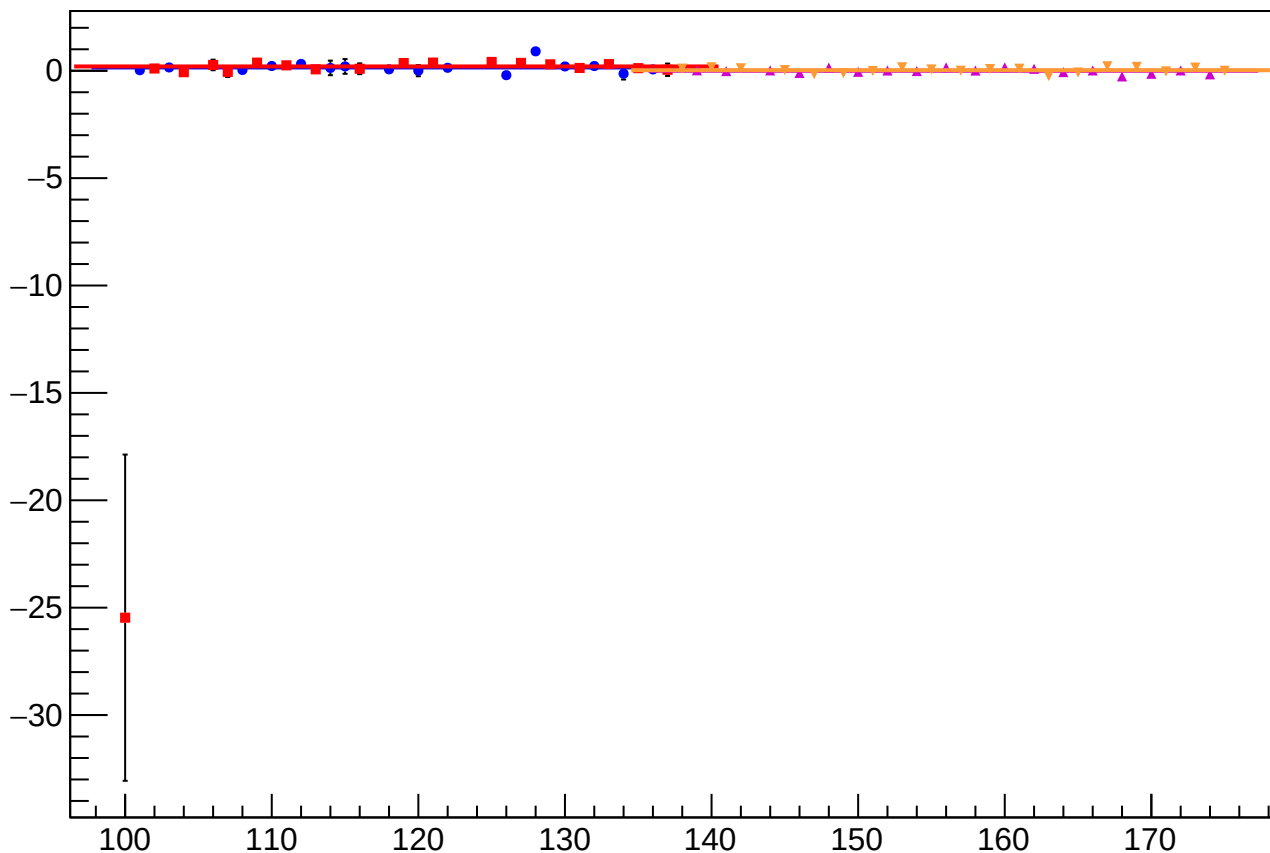
Right: 0.025 $\pm$ 0.017 χ^2 /NDF: 54.0/33

In: 0.029 $\pm$ 0.013 χ^2 /NDF:47.7/33

Out: 0.004 $\pm$ 0.013 χ^2 /NDF:55.3/36

All: 0.016 $\pm$ 0.009 χ^2 /NDF: 104.8/70

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.025 $\pm$ 0.021 χ^2 /NDF: 28.4/18

Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

Left In: -0.001 $\pm$ 0.022 χ^2 /NDF: 21.0/17

Left: 0.013 $\pm$ 0.015 χ^2 /NDF: 50.1/36

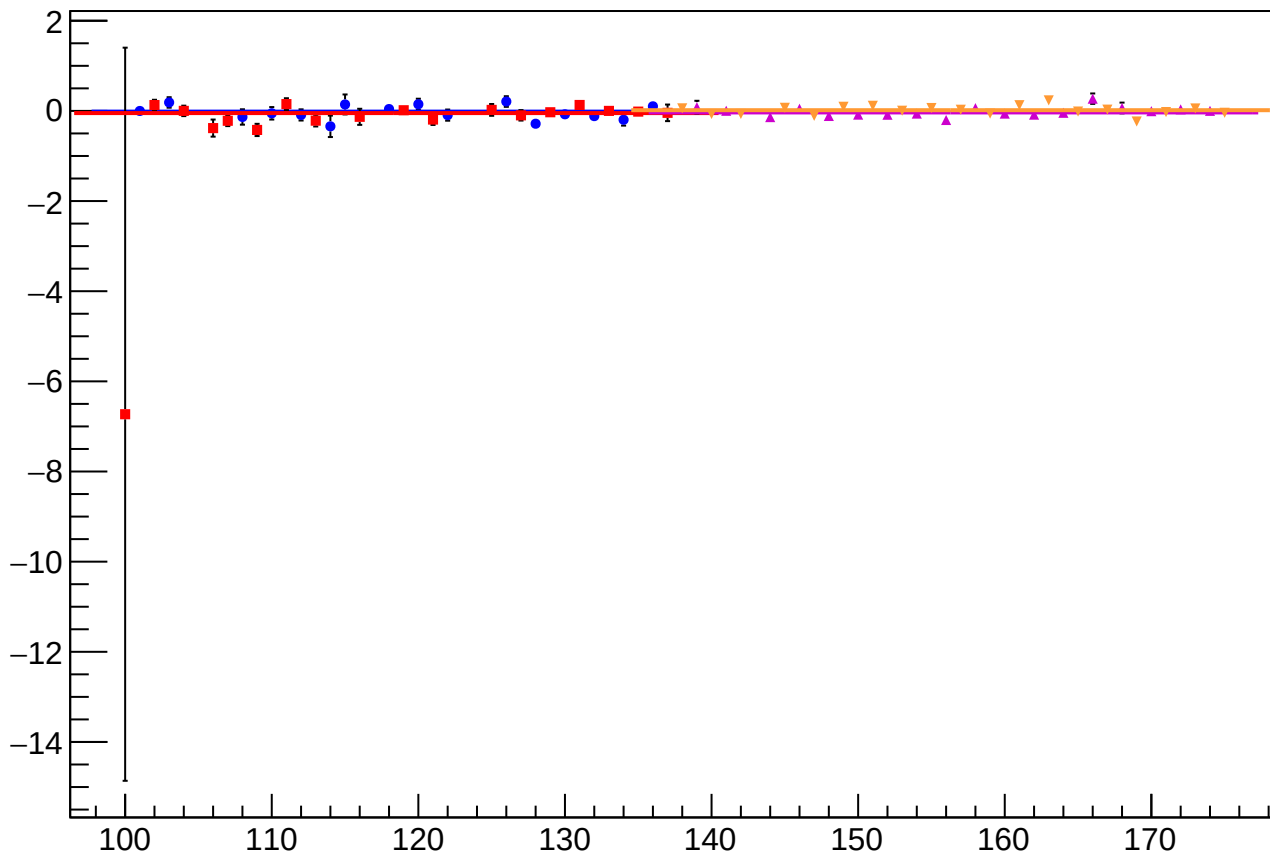
Right: 0.177 $\pm$ 0.031 χ^2 /NDF: 51.1/33

In: 0.032 $\pm$ 0.020 χ^2 /NDF: 59.2/33

Out: 0.058 $\pm$ 0.019 χ^2 /NDF: 63.4/36

All: 0.045 $\pm$ 0.014 χ^2 /NDF: 123.5/70

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 $\pm$ 0.027 χ^2 /NDF: 24.3/15

Left Out: 0.016 $\pm$ 0.018 χ^2 /NDF:27.1/18

Right Out: -0.048 $\pm$ 0.029 χ^2 /NDF: 25.9/17

Left In: -0.034 $\pm$ 0.019 χ^2 /NDF:22.5/17

Left: -0.008 $\pm$ 0.013 χ^2 /NDF: 53.1/36

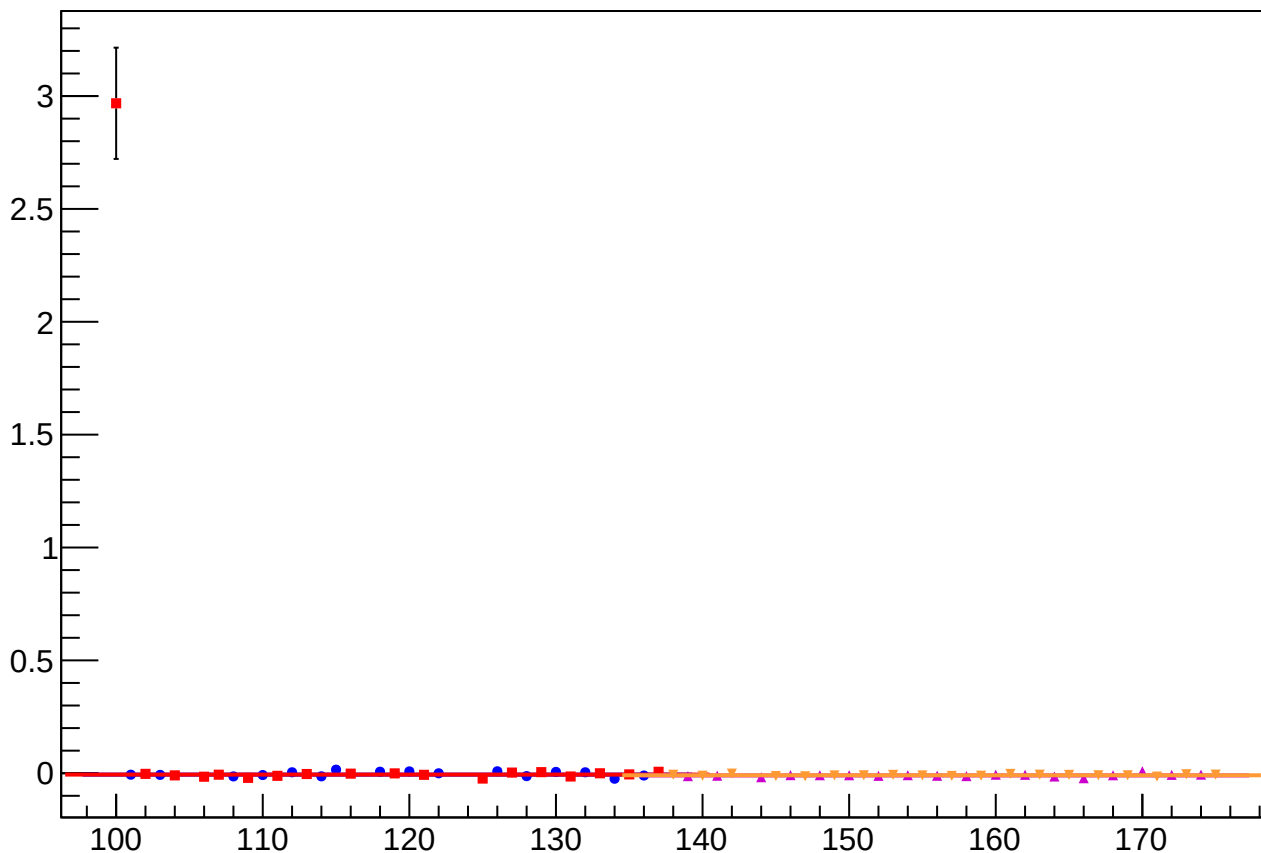
Right: -0.031 $\pm$ 0.020 χ^2 /NDF: 51.0/33

In: -0.028 $\pm$ 0.016 χ^2 /NDF:47.1/33

Out: -0.003 $\pm$ 0.015 χ^2 /NDF:56.5/36

All: -0.015 $\pm$ 0.011 χ^2 /NDF: 105.0/70

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 27.3/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF:15.1/18

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 165.9/17

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:30.6/17

Left: -0.009 $\pm$ 0.001 χ^2 /NDF: 45.9/36

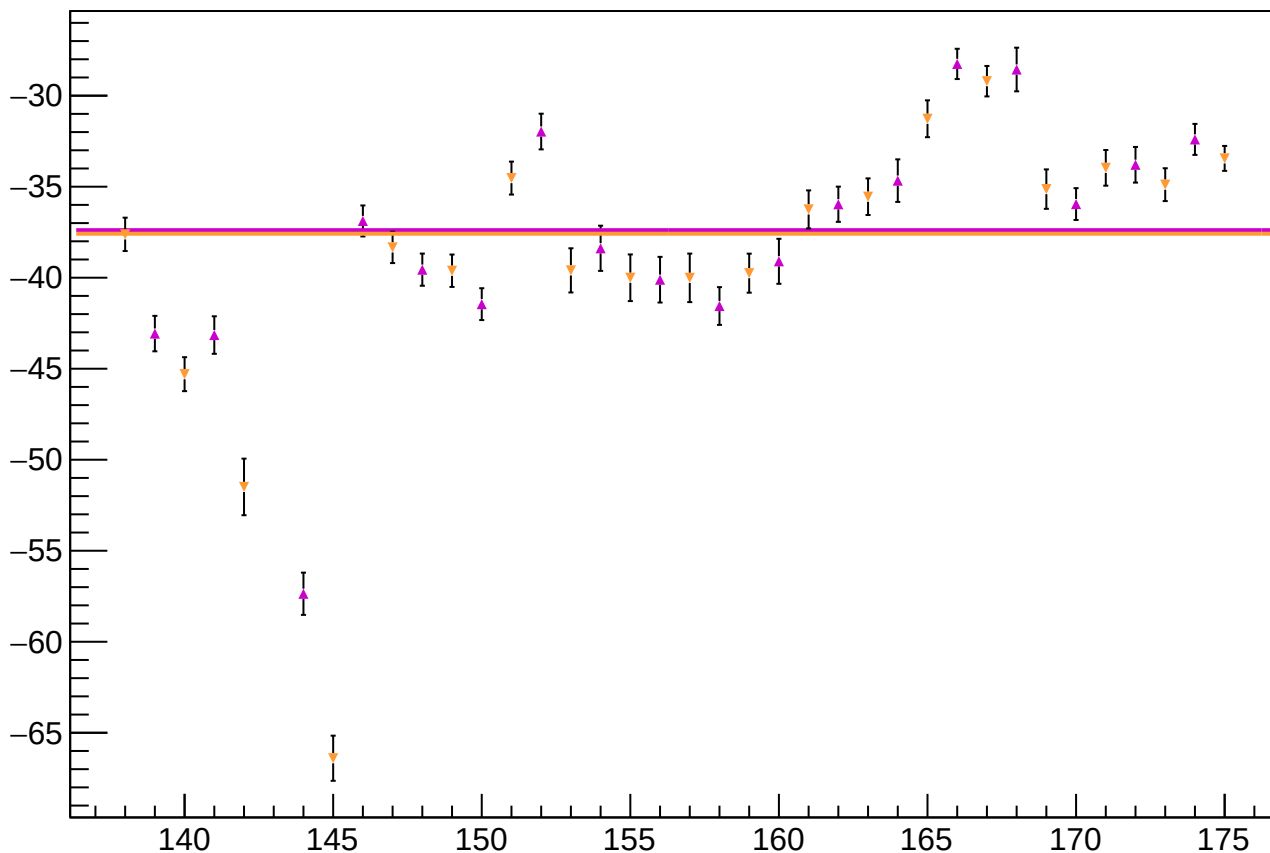
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 193.3/33

In: -0.009 $\pm$ 0.001 χ^2 /NDF:62.2/33

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:184.2/36

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 246.7/70

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: -37.584+/-0.226 χ^2/NDF :929.2/18

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

Left In: -37.389+/-0.234 χ^2/NDF :676.4/17

Left: -37.490+/-0.163 χ^2/NDF : 1605.9/36

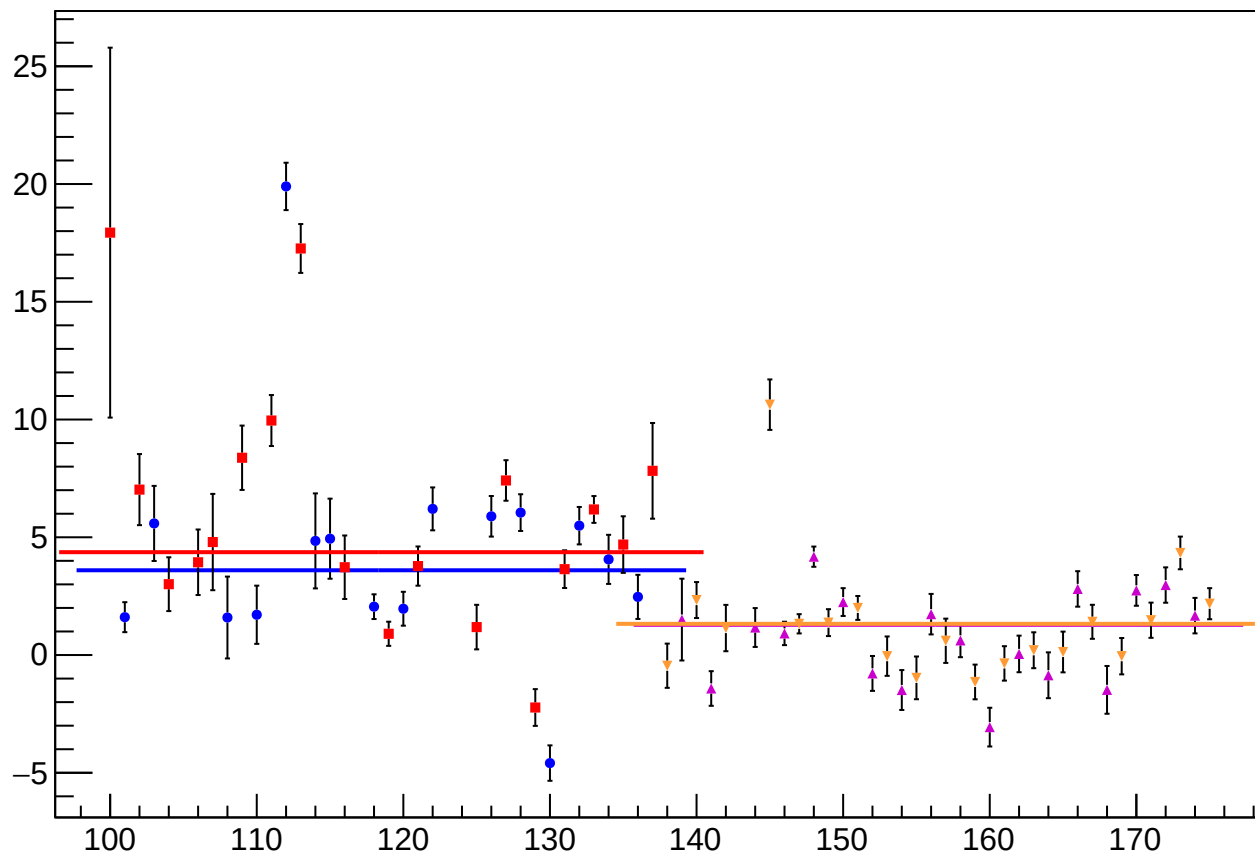
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.389+/-0.234 χ^2/NDF :676.4/17

Out: -37.584+/-0.226 χ^2/NDF :929.2/18

All: -37.490+/-0.163 χ^2/NDF : 1605.9/36

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599+/-0.220 χ^2/NDF : 443.4/15

Left Out: 1.324+/-0.162 χ^2/NDF :136.6/18

Right Out: 4.367+/-0.225 χ^2/NDF : 353.1/17

Left In: 1.283+/-0.168 χ^2/NDF :139.0/17

Left: 1.304+/-0.117 χ^2/NDF : 275.6/36

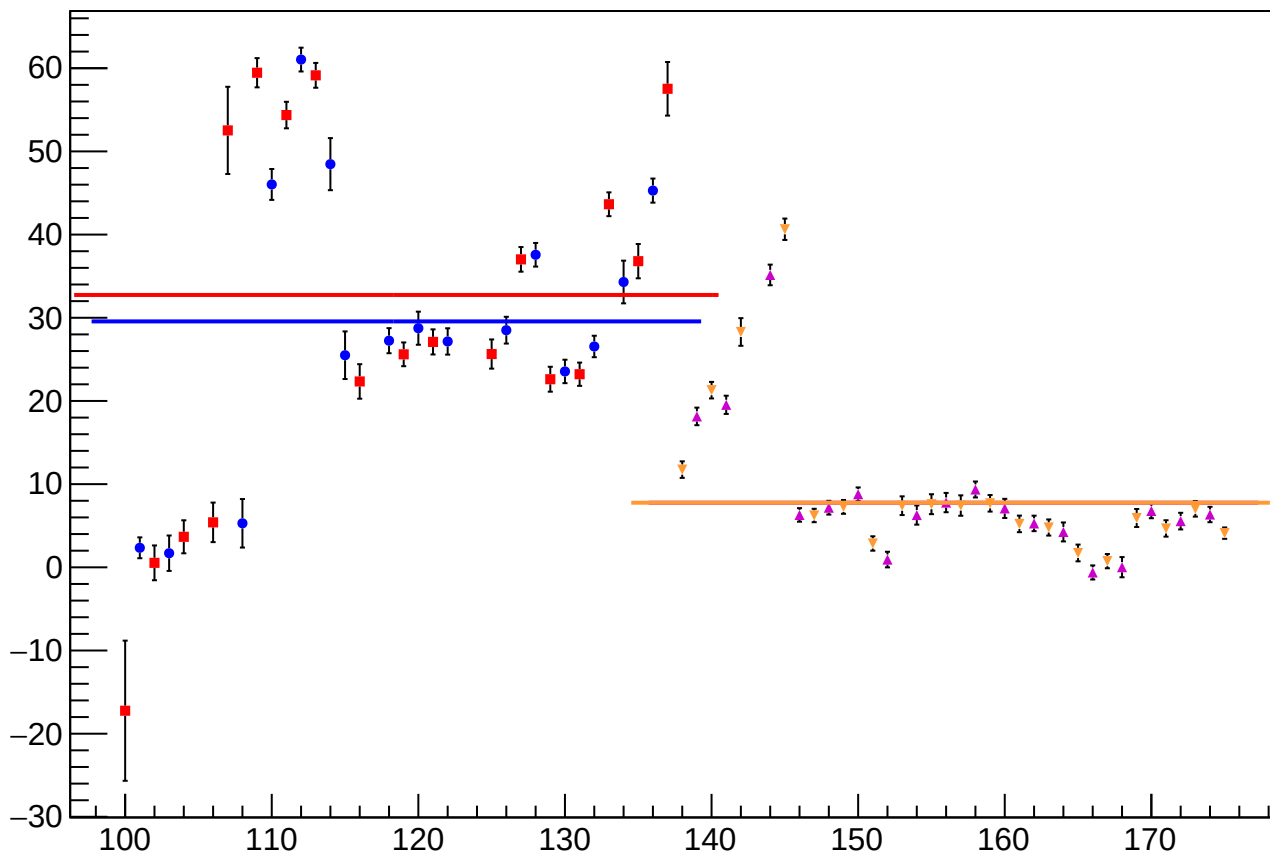
Right: 3.975+/-0.157 χ^2/NDF : 802.5/33

In: 2.135+/-0.134 χ^2/NDF :652.2/33

Out: 2.366+/-0.132 χ^2/NDF :610.1/36

All: 2.253+/-0.094 χ^2/NDF : 1263.9/70

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: 7.768 $\pm$ 0.223 χ^2 /NDF:1204.4/18

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

Left In: 7.767 $\pm$ 0.231 χ^2 /NDF:925.8/17

Left: 7.767 $\pm$ 0.160 χ^2 /NDF: 2130.3/36

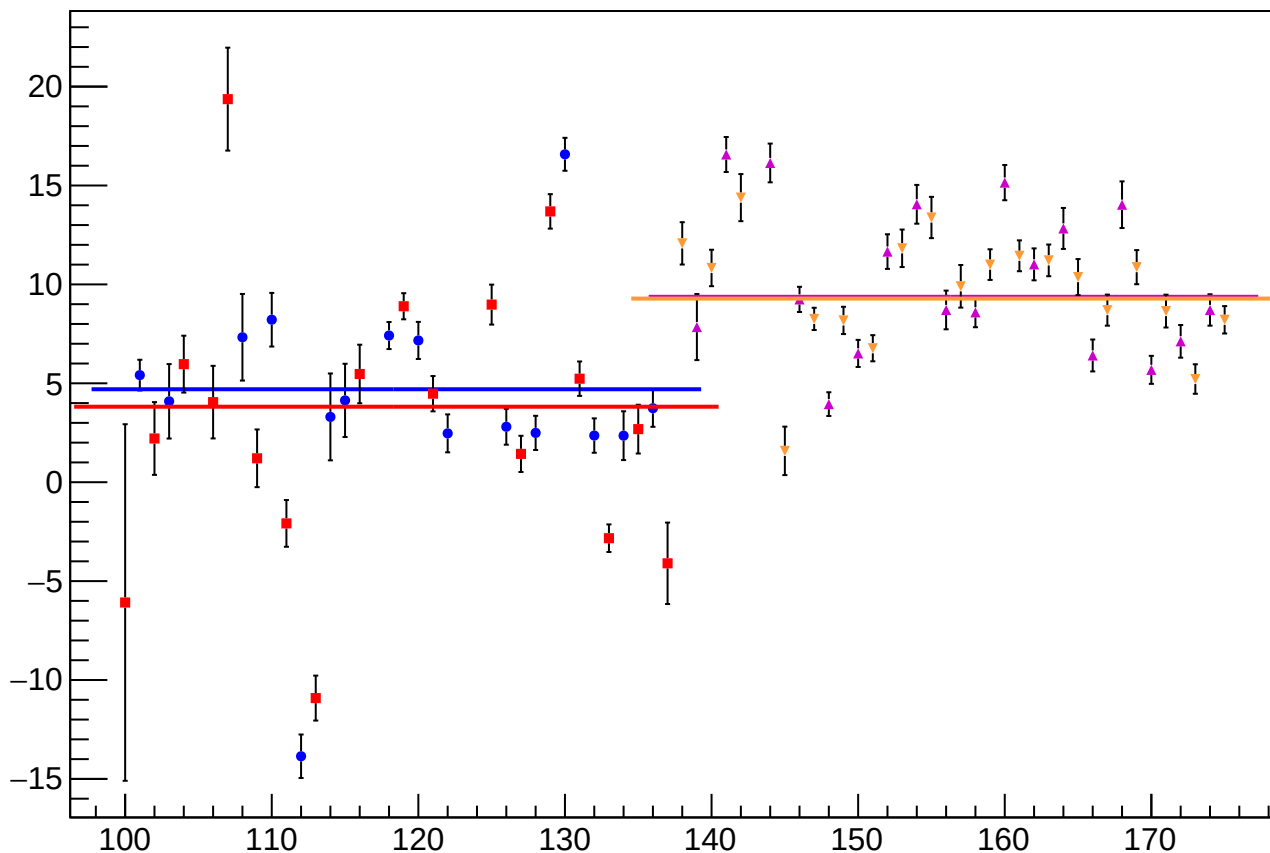
Right: 31.140 $\pm$ 0.298 χ^2 /NDF: 3186.3/33

In: 12.828 $\pm$ 0.202 χ^2 /NDF:4493.0/33

Out: 13.216 $\pm$ 0.197 χ^2 /NDF:5596.2/36

All: 13.027 $\pm$ 0.141 χ^2 /NDF: 10091.1/70

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 $\pm$ 0.254 χ^2 /NDF: 548.9/15

Left Out: 9.284 $\pm$ 0.188 χ^2 /NDF:167.2/18

Right Out: 3.817 $\pm$ 0.258 χ^2 /NDF: 567.6/17

Left In: 9.374 $\pm$ 0.195 χ^2 /NDF:366.9/17

Left: 9.327 $\pm$ 0.135 χ^2 /NDF: 534.2/36

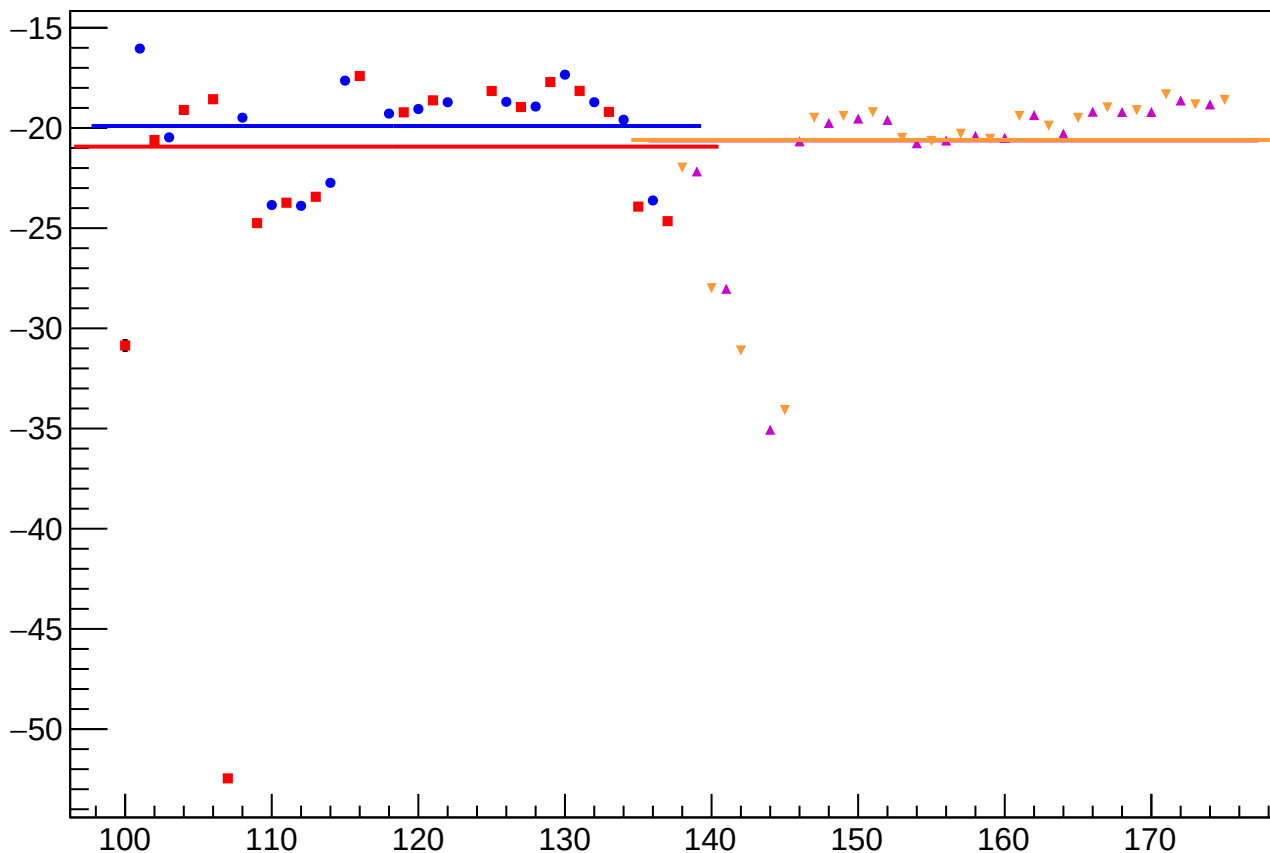
Right: 4.265 $\pm$ 0.181 χ^2 /NDF: 1122.4/33

In: 7.638 $\pm$ 0.155 χ^2 /NDF:1128.8/33

Out: 7.389 $\pm$ 0.152 χ^2 /NDF:1027.2/36

All: 7.512 $\pm$ 0.109 χ^2 /NDF: 2157.3/70

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: -20.598 ± 0.009 $\chi^2/\text{NDF}: 144778.4/18$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

Left In: -20.620 ± 0.009 $\chi^2/\text{NDF}: 114054.2/17$

Left: -20.608 ± 0.006 $\chi^2/\text{NDF}: 258835.6/36$

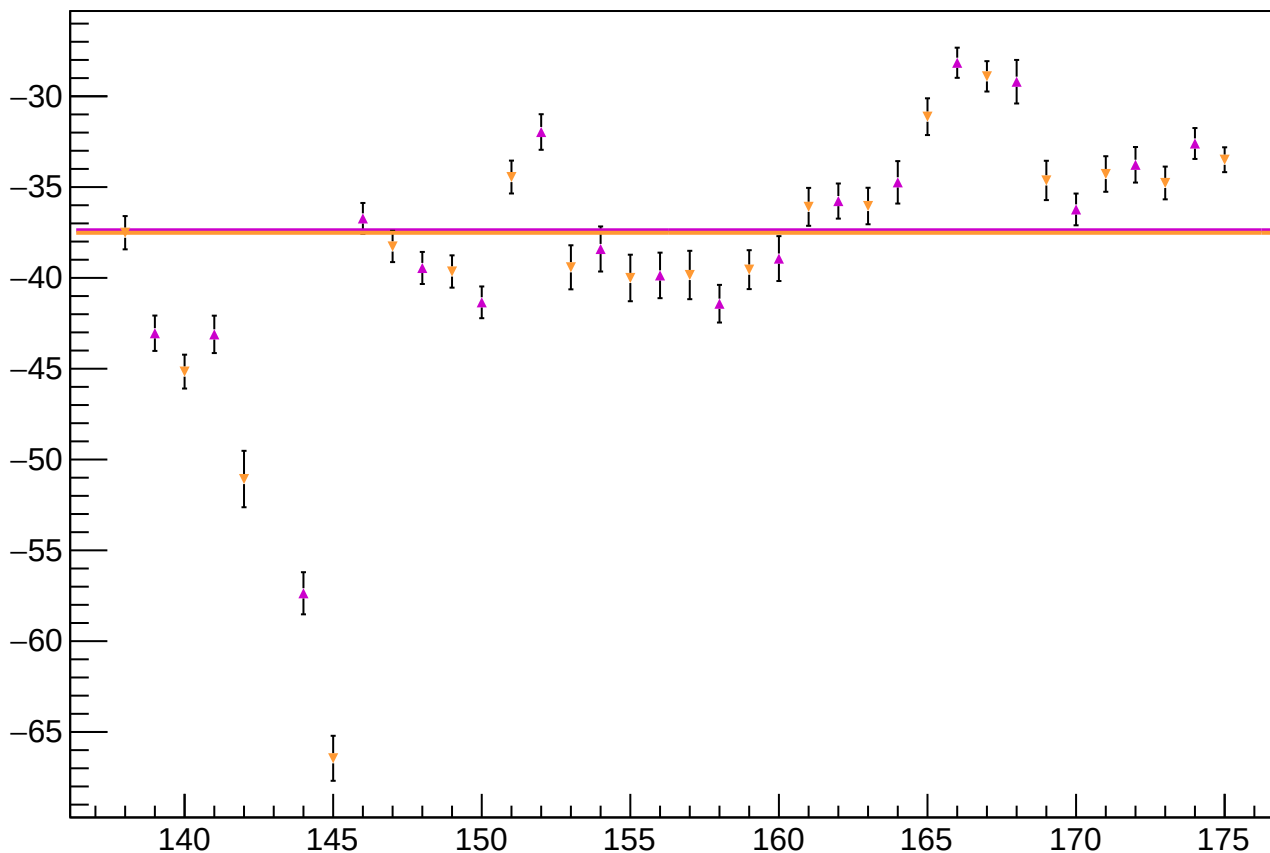
Right: -20.414 ± 0.011 $\chi^2/\text{NDF}: 122212.6/33$

In: -20.441 ± 0.008 $\chi^2/\text{NDF}: 141686.2/33$

Out: -20.679 ± 0.008 $\chi^2/\text{NDF}: 239126.7/36$

All: -20.561 ± 0.006 $\chi^2/\text{NDF}: 381279.3/70$

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: -37.516+/-0.226 χ^2/NDF :931.7/18

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

Left In: -37.378+/-0.234 χ^2/NDF :665.1/17

Left: -37.449+/-0.163 χ^2/NDF : 1596.9/36

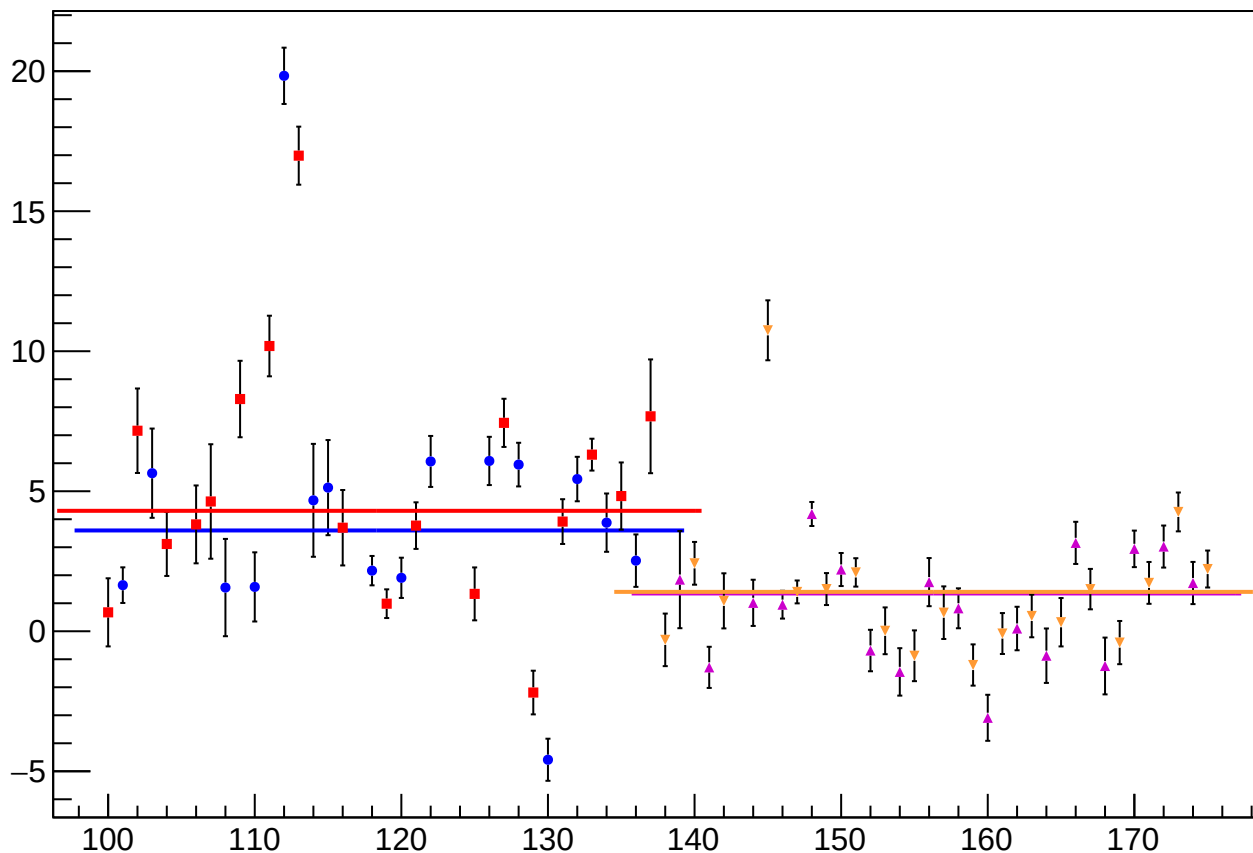
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.378+/-0.234 χ^2/NDF :665.1/17

Out: -37.516+/-0.226 χ^2/NDF :931.7/18

All: -37.449+/-0.163 χ^2/NDF : 1596.9/36

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: 1.407 ± 0.162 $\chi^2/\text{NDF}: 136.7/18$

Right Out: 4.301 ± 0.221 $\chi^2/\text{NDF}: 352.1/17$

Left In: 1.349 ± 0.168 $\chi^2/\text{NDF}: 139.5/17$

Left: 1.379 ± 0.117 $\chi^2/\text{NDF}: 276.2/36$

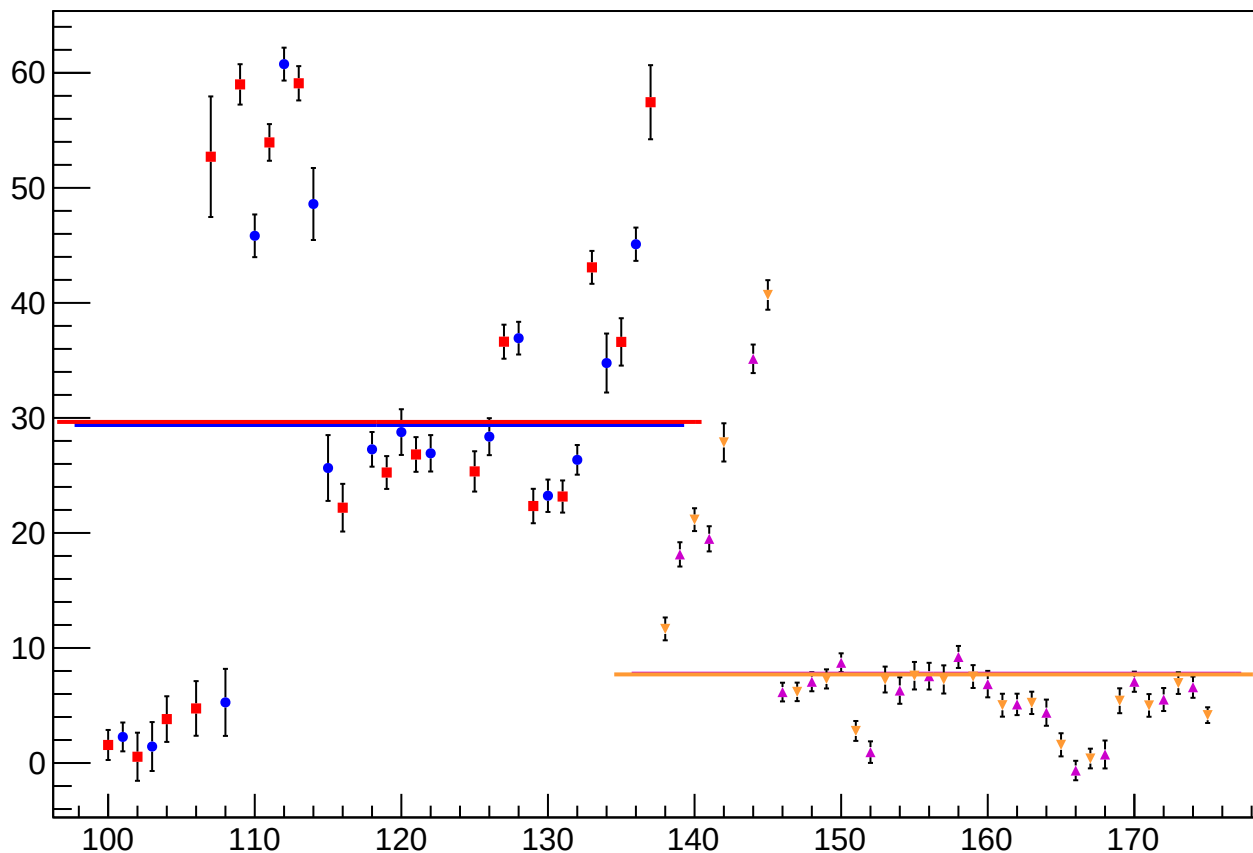
Right: 3.949 ± 0.156 $\chi^2/\text{NDF}: 797.4/33$

In: 2.178 ± 0.134 $\chi^2/\text{NDF}: 645.7/33$

Out: 2.419 ± 0.131 $\chi^2/\text{NDF}: 600.3/36$

All: 2.301 ± 0.093 $\chi^2/\text{NDF}: 1247.7/70$

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: 7.702 $\pm$ 0.223 χ^2 /NDF:1205.0/18

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

Left In: 7.765 $\pm$ 0.231 χ^2 /NDF:918.8/17

Left: 7.732 $\pm$ 0.160 χ^2 /NDF: 2123.8/36

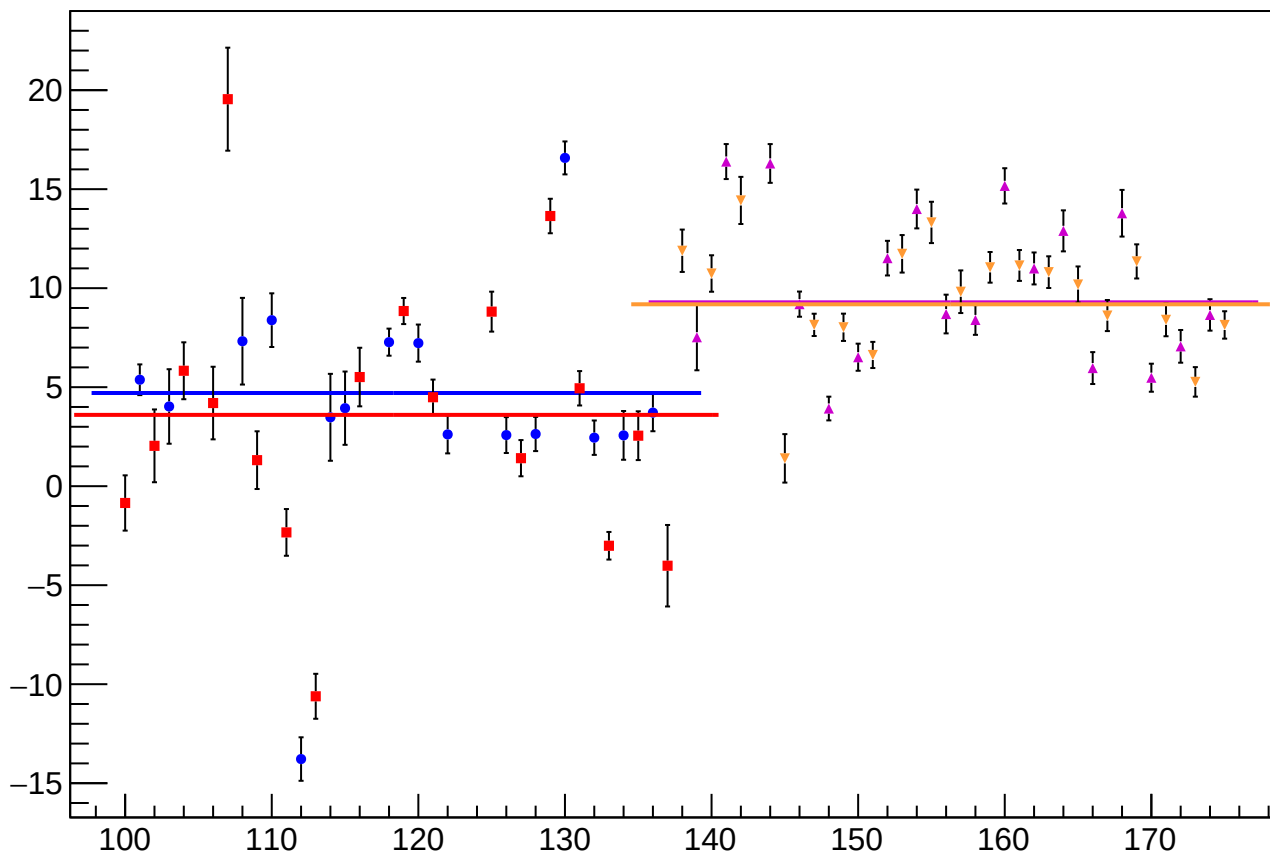
Right: 29.525 $\pm$ 0.290 χ^2 /NDF: 3619.8/33

In: 12.786 $\pm$ 0.202 χ^2 /NDF:4449.5/33

Out: 12.867 $\pm$ 0.195 χ^2 /NDF:5611.9/36

All: 12.828 $\pm$ 0.140 χ^2 /NDF: 10061.5/70

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: 9.186 ± 0.188 $\chi^2/\text{NDF}: 168.7/18$

Right Out: 3.601 ± 0.254 $\chi^2/\text{NDF}: 573.4/17$

Left In: 9.285 ± 0.195 $\chi^2/\text{NDF}: 373.7/17$

Left: 9.234 ± 0.135 $\chi^2/\text{NDF}: 542.5/36$

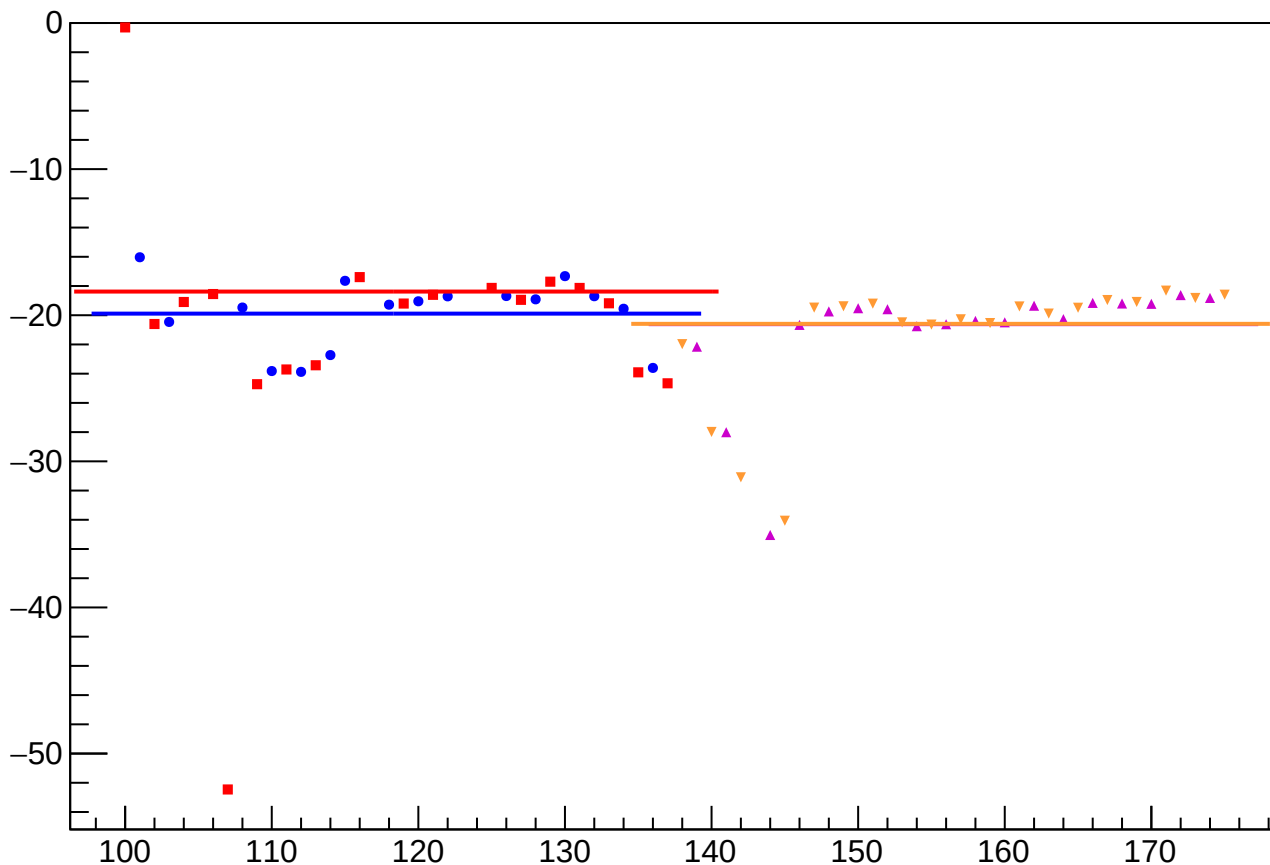
Right: 4.154 ± 0.180 $\chi^2/\text{NDF}: 1128.1/33$

In: 7.585 ± 0.155 $\chi^2/\text{NDF}: 1123.4/33$

Out: 7.209 ± 0.151 $\chi^2/\text{NDF}: 1054.3/36$

All: 7.392 ± 0.108 $\chi^2/\text{NDF}: 2180.7/70$

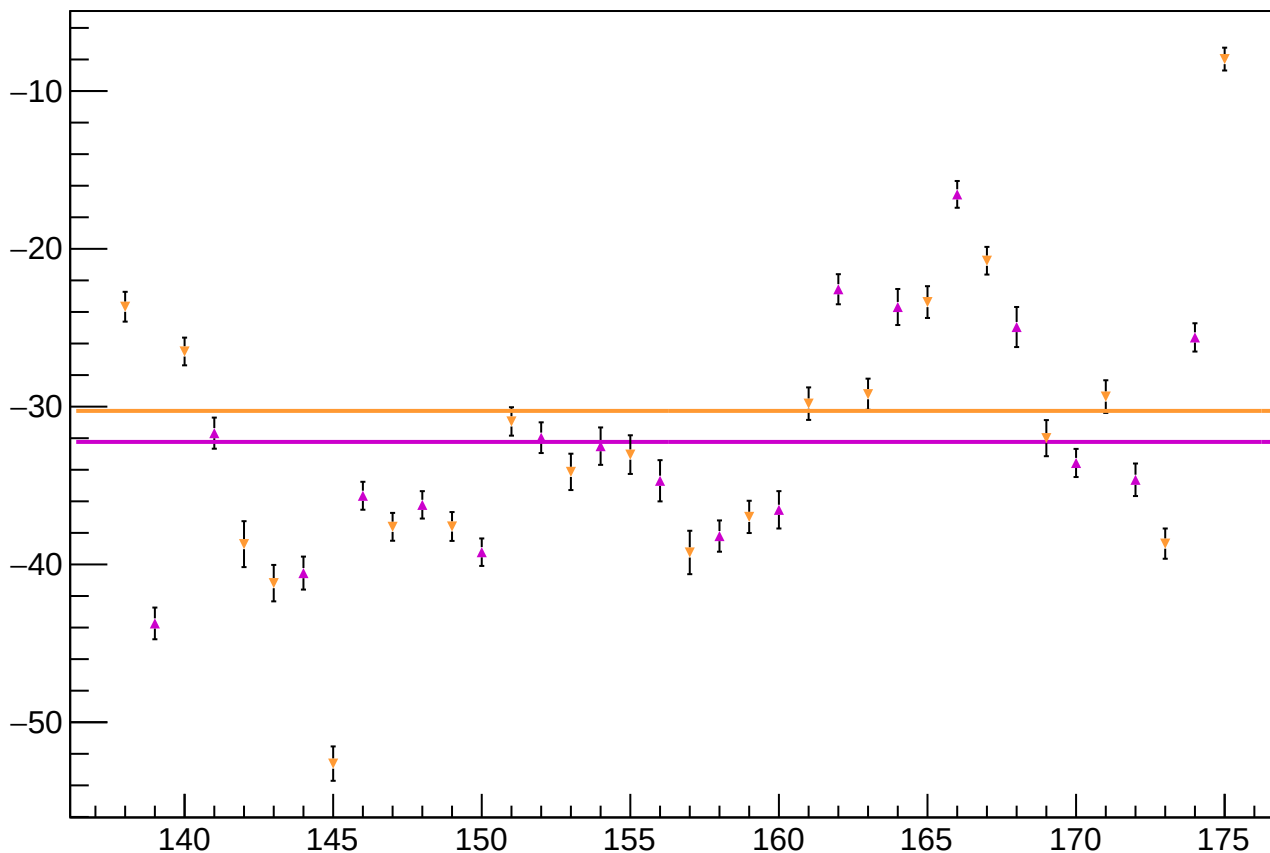
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15
 Left Out: -20.590 ± 0.009 χ^2/NDF : 144857.1/18
 Right Out: -18.380 ± 0.015 χ^2/NDF : 300999.4/17
 Left In: -20.611 ± 0.009 χ^2/NDF : 113948.3/17

Left: -20.600 ± 0.006 χ^2/NDF : 258808.2/36
 Right: -19.091 ± 0.011 χ^2/NDF : 331979.2/33
 In: -20.432 ± 0.008 χ^2/NDF : 141588.7/33
 Out: -19.998 ± 0.008 χ^2/NDF : 462296.2/36
 All: -20.210 ± 0.005 χ^2/NDF : 605463.4/70

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -30.269 $\pm$ 0.223 χ^2/NDF :2043.4/19

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -32.235 $\pm$ 0.234 χ^2/NDF :944.0/17

Left: -31.206 $\pm$ 0.162 χ^2/NDF : 3024.3/37

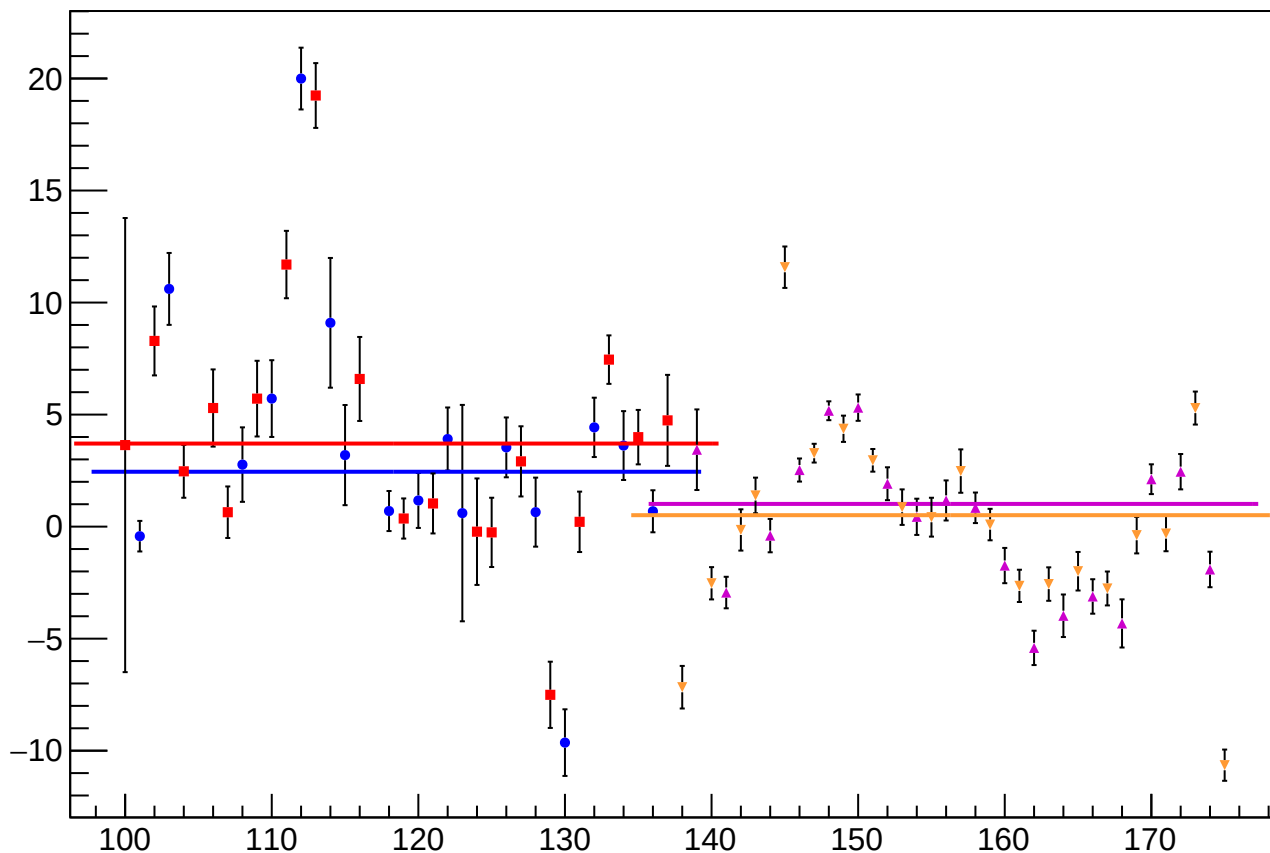
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -32.235 $\pm$ 0.234 χ^2/NDF :944.0/17

Out: -30.269 $\pm$ 0.223 χ^2/NDF :2043.4/19

All: -31.206 $\pm$ 0.162 χ^2/NDF : 3024.3/37

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 0.510 ± 0.159 $\chi^2/\text{NDF}: 707.4/19$

Right Out: 3.707 ± 0.326 $\chi^2/\text{NDF}: 269.4/18$

Left In: 1.013 ± 0.167 $\chi^2/\text{NDF}: 382.0/17$

Left: 0.750 ± 0.115 $\chi^2/\text{NDF}: 1094.1/37$

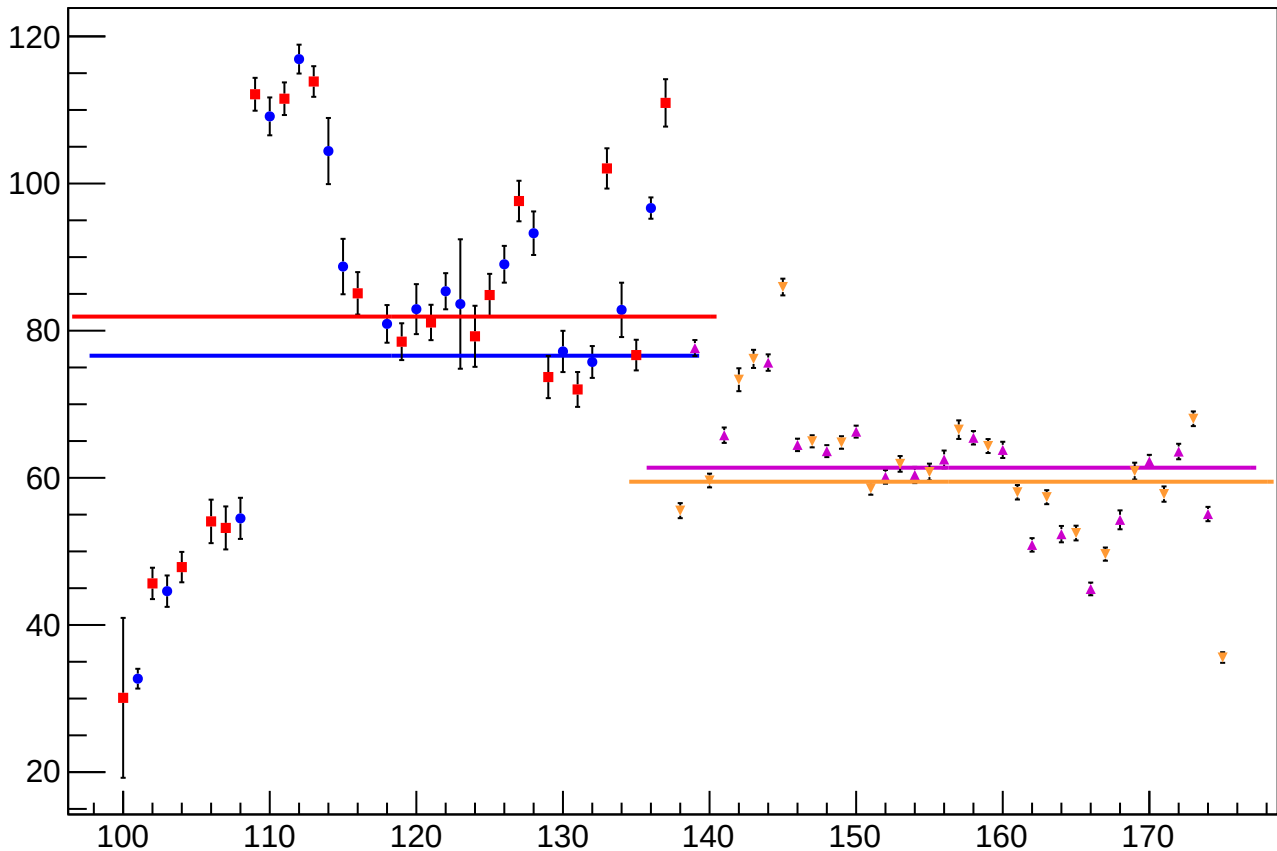
Right: 3.055 ± 0.226 $\chi^2/\text{NDF}: 572.4/35$

In: 1.331 ± 0.148 $\chi^2/\text{NDF}: 693.5/34$

Out: 1.126 ± 0.143 $\chi^2/\text{NDF}: 1054.3/38$

All: 1.225 ± 0.103 $\chi^2/\text{NDF}: 1748.8/73$

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: 59.473 $\pm$ 0.221 χ^2/NDF :2314.9/19

Right Out: 81.916 $\pm$ 0.592 χ^2/NDF : 1570.7/18

Left In: 61.376 $\pm$ 0.231 χ^2/NDF :1127.5/17

Left: 60.384 $\pm$ 0.160 χ^2/NDF : 3477.9/37

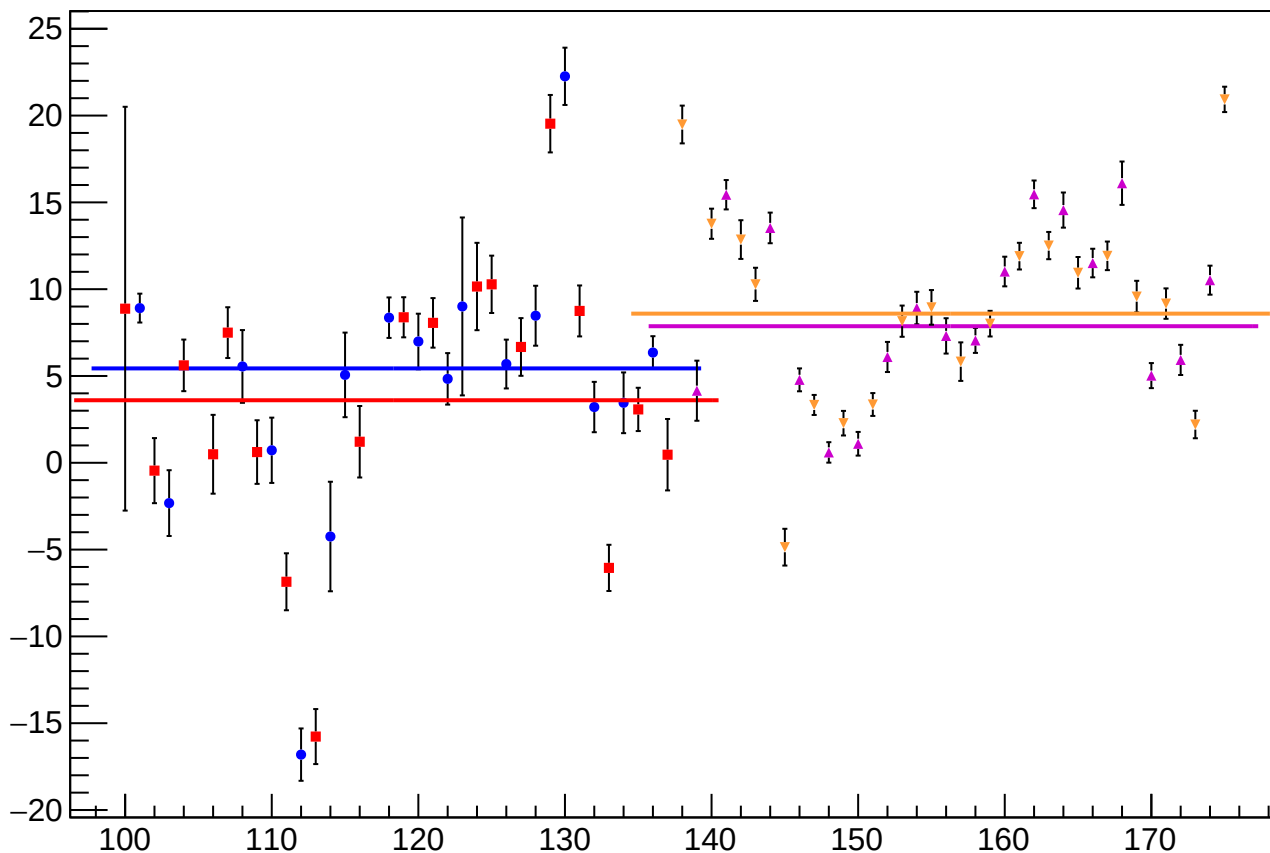
Right: 79.184 $\pm$ 0.413 χ^2/NDF : 3867.3/35

In: 63.479 $\pm$ 0.214 χ^2/NDF :3984.3/34

Out: 62.215 $\pm$ 0.207 χ^2/NDF :5147.1/38

All: 62.826 $\pm$ 0.149 χ^2/NDF : 9149.4/73

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Left: 8.247 $\pm$ 0.134 χ^2/NDF : 1621.3/37

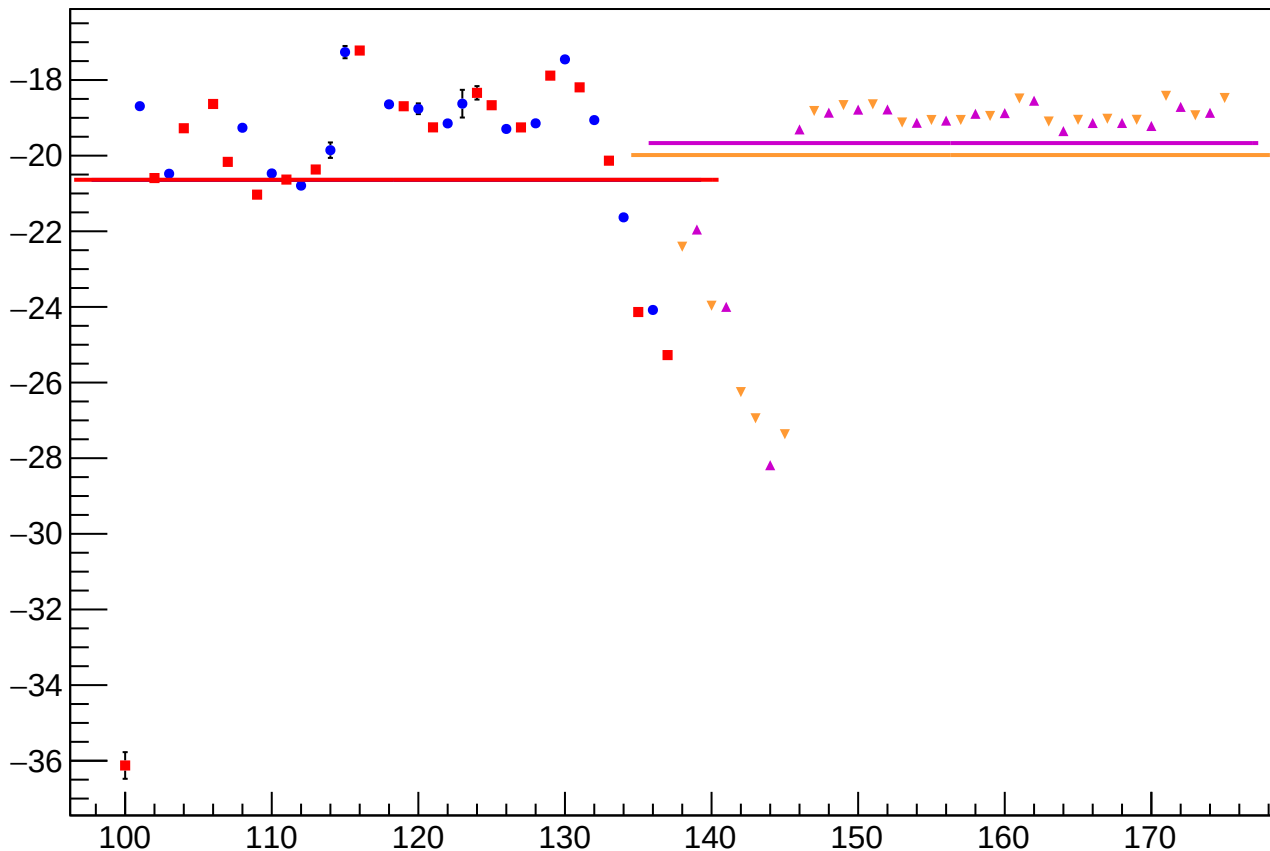
Right: 4.556 $\pm$ 0.260 χ^2/NDF : 823.0/35

In: 7.318 $\pm$ 0.171 χ^2/NDF : 1070.1/34

Out: 7.613 $\pm$ 0.166 χ^2/NDF : 1532.0/38

All: 7.470 $\pm$ 0.119 χ^2/NDF : 2603.5/73

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: -19.984 $\pm$ 0.009 χ^2 /NDF: 84228.0/19

Right Out: -20.638 $\pm$ 0.019 χ^2 /NDF: 13783.4/18

Left In: -19.668 $\pm$ 0.009 χ^2 /NDF: 50251.0/17

Left: -19.829 $\pm$ 0.006 χ^2 /NDF: 135108.1/37

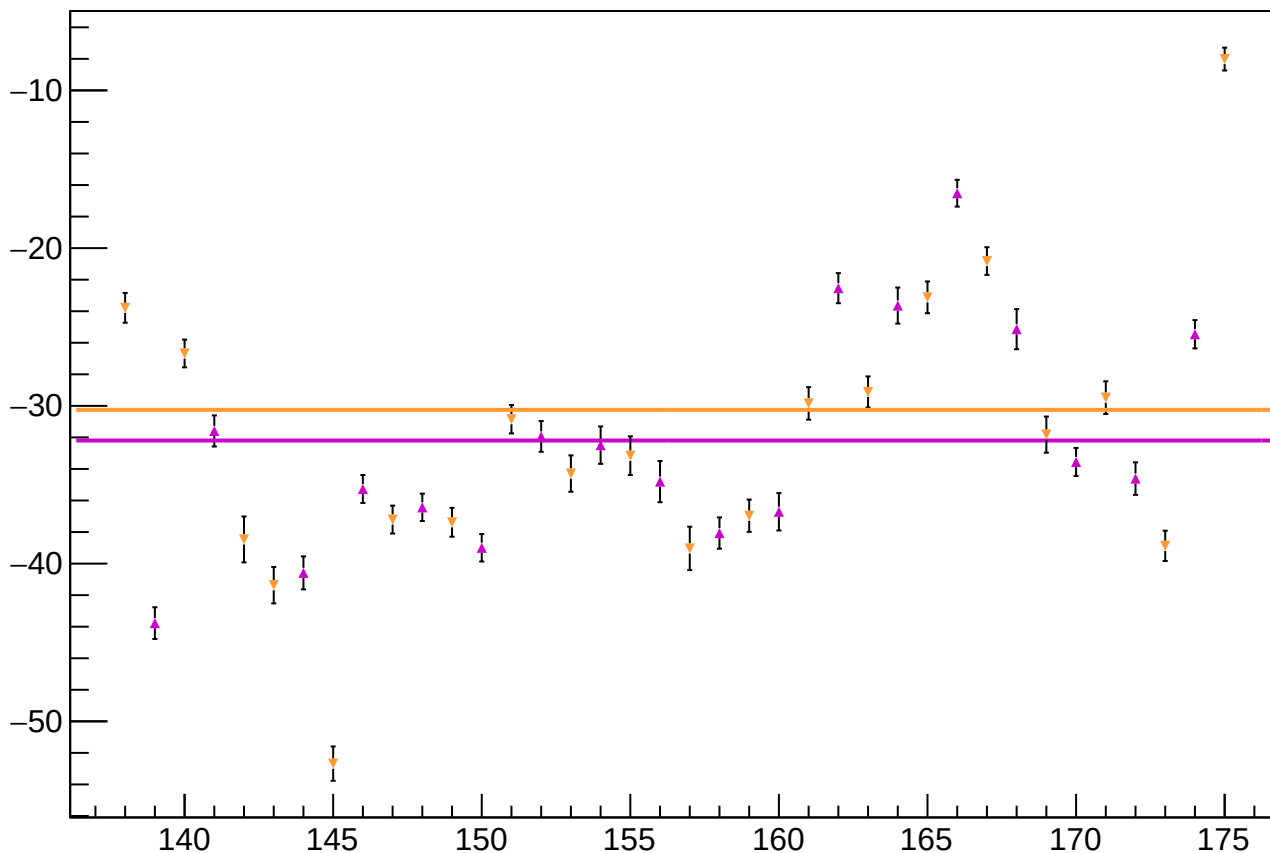
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26214.9/35

In: -19.842 $\pm$ 0.008 χ^2 /NDF: 64767.5/34

Out: -20.096 $\pm$ 0.008 χ^2 /NDF: 98948.7/38

All: -19.971 $\pm$ 0.006 χ^2 /NDF: 164206.6/73

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



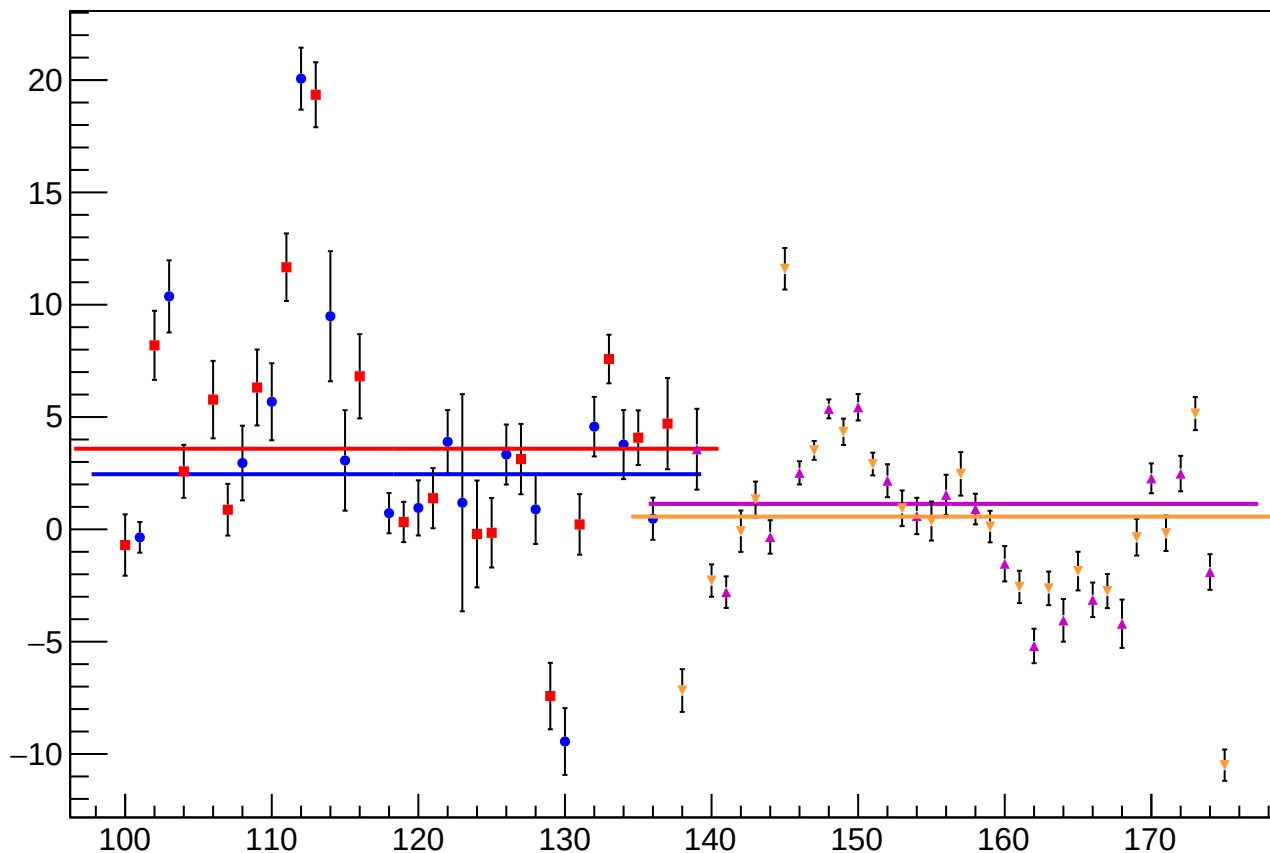
Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -30.252 ± 0.223 χ^2/NDF : 2030.8/19
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -32.196 ± 0.234 χ^2/NDF : 942.0/17

Left: -31.178 ± 0.162 χ^2/NDF : 3008.9/37
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -32.196 ± 0.234 χ^2/NDF : 942.0/17
 Out: -30.252 ± 0.223 χ^2/NDF : 2030.8/19

All: -31.178 ± 0.162 χ^2/NDF : 3008.9/37

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: 0.567 $\pm$ 0.160 χ^2 /NDF:699.6/19

Right Out: 3.590 $\pm$ 0.318 χ^2 /NDF: 279.8/18

Left In: 1.133 $\pm$ 0.168 χ^2 /NDF:386.1/17

Left: 0.836 $\pm$ 0.116 χ^2 /NDF: 1091.7/37

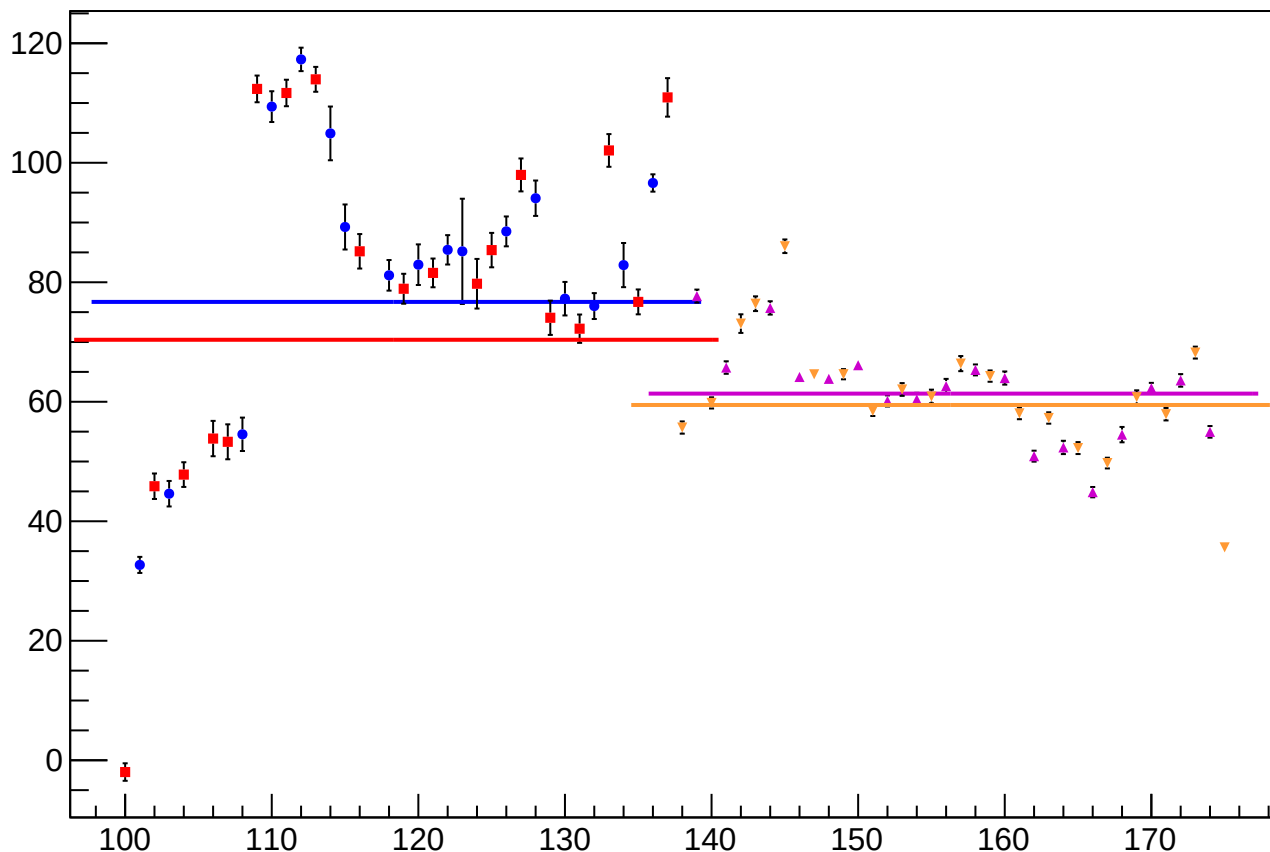
Right: 3.017 $\pm$ 0.224 χ^2 /NDF: 579.8/35

In: 1.426 $\pm$ 0.148 χ^2 /NDF:693.3/34

Out: 1.175 $\pm$ 0.143 χ^2 /NDF:1051.7/38

All: 1.296 $\pm$ 0.103 χ^2 /NDF: 1746.5/73

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 59.462+/-0.221 χ^2/NDF : 2308.5/19

Right Out: 70.376+/-0.550 χ^2/NDF : 4390.7/18

Left In: 61.364+/-0.231 χ^2/NDF : 1124.5/17

Left: 60.372+/-0.160 χ^2/NDF : 3468.5/37

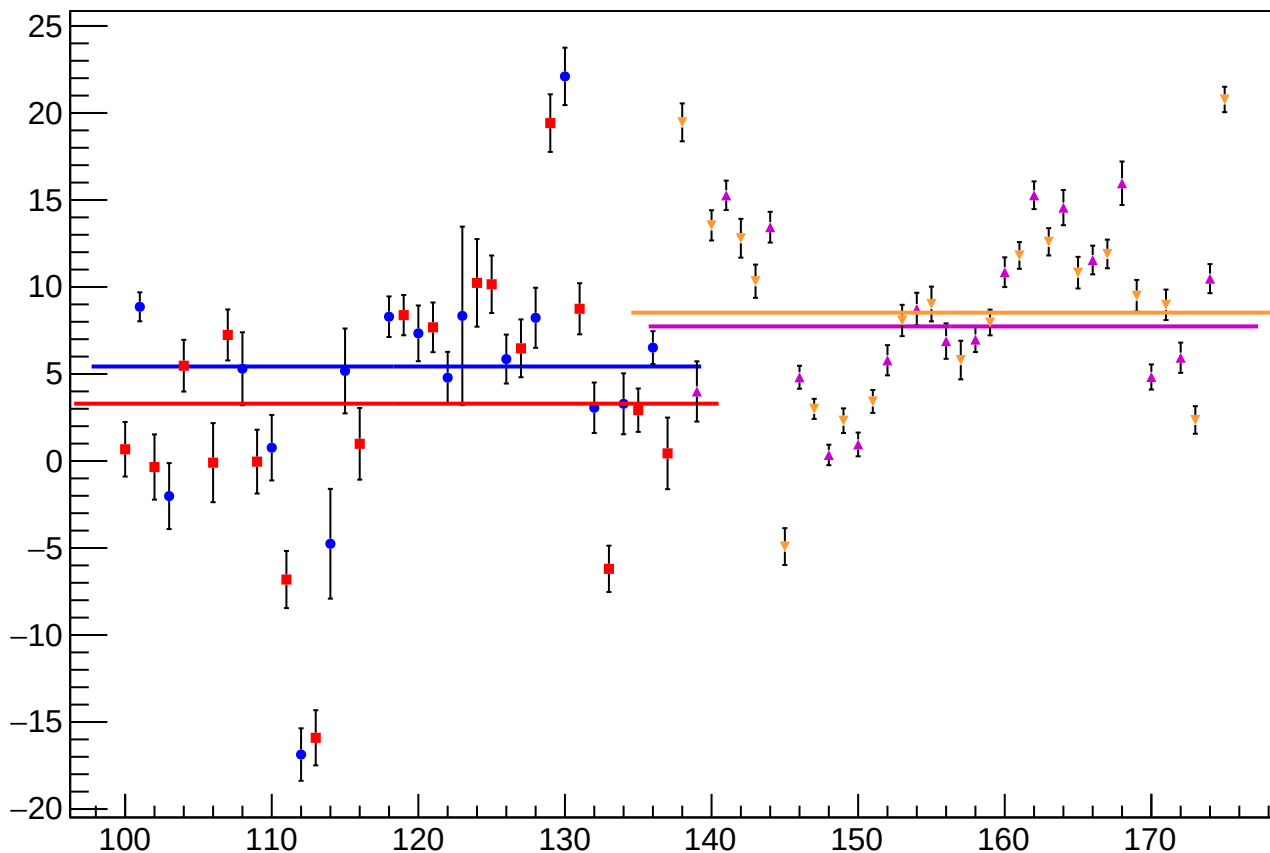
Right: 73.396+/-0.398 χ^2/NDF : 6720.6/35

In: 63.485+/-0.214 χ^2/NDF : 4002.3/34

Out: 60.980+/-0.205 χ^2/NDF : 7038.4/38

All: 62.178+/-0.148 χ^2/NDF : 11112.1/73

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 $\pm$ 0.361 χ^2 /NDF: 385.9/16

Left Out: 8.527 $\pm$ 0.185 χ^2 /NDF:960.4/19

Right Out: 3.295 $\pm$ 0.365 χ^2 /NDF: 426.1/18

Left In: 7.735 $\pm$ 0.195 χ^2 /NDF:653.2/17

Left: 8.150 $\pm$ 0.134 χ^2 /NDF: 1622.3/37

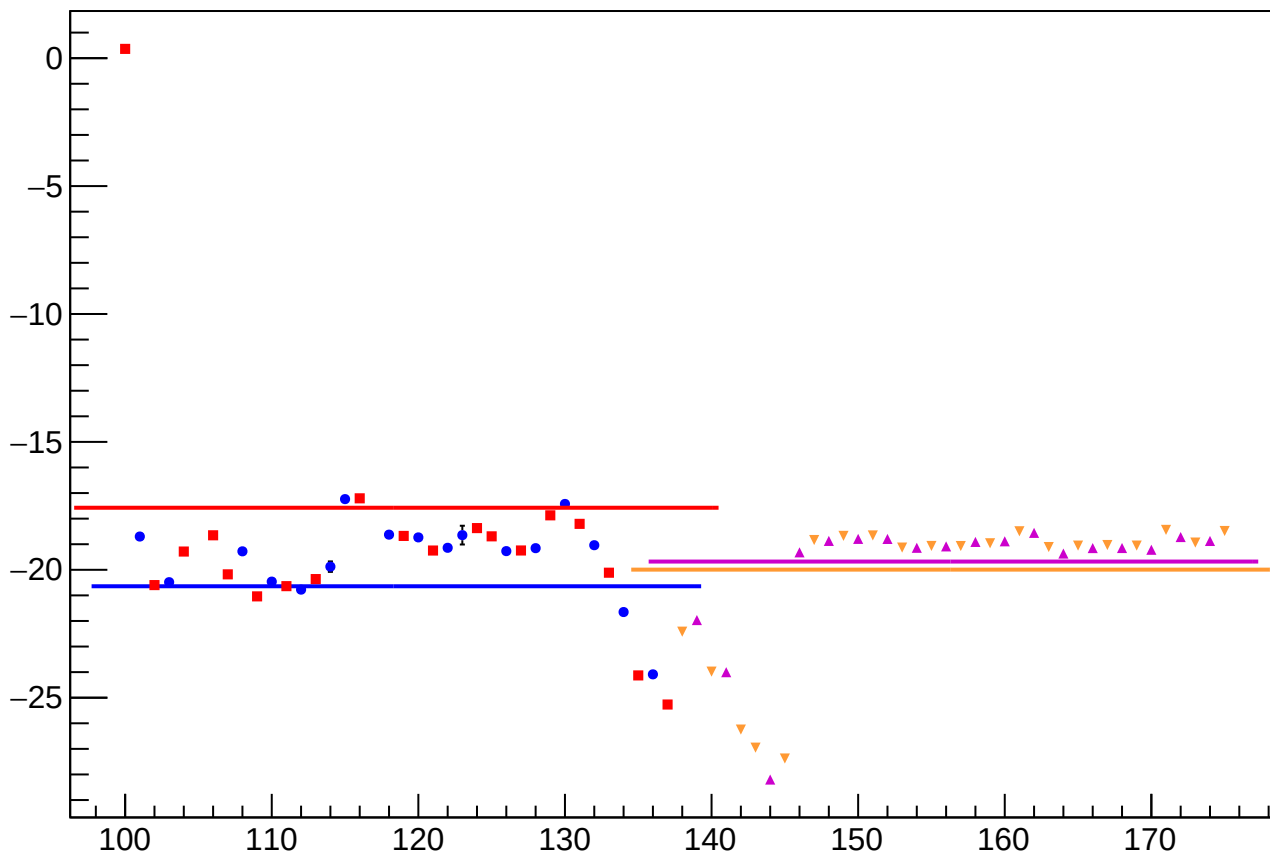
Right: 4.376 $\pm$ 0.257 χ^2 /NDF: 829.3/35

In: 7.215 $\pm$ 0.171 χ^2 /NDF:1070.7/34

Out: 7.454 $\pm$ 0.165 χ^2 /NDF:1549.8/38

All: 7.339 $\pm$ 0.119 χ^2 /NDF: 2621.5/73

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643 $\pm$ 0.019 χ^2/NDF : 12468.6/16

Left Out: -19.993 $\pm$ 0.009 χ^2/NDF : 84080.2/19

Right Out: -17.574 $\pm$ 0.018 χ^2/NDF : 178327.0/18

Left In: -19.678 $\pm$ 0.009 χ^2/NDF : 50192.5/17

Left: -19.839 $\pm$ 0.006 χ^2/NDF : 134897.7/37

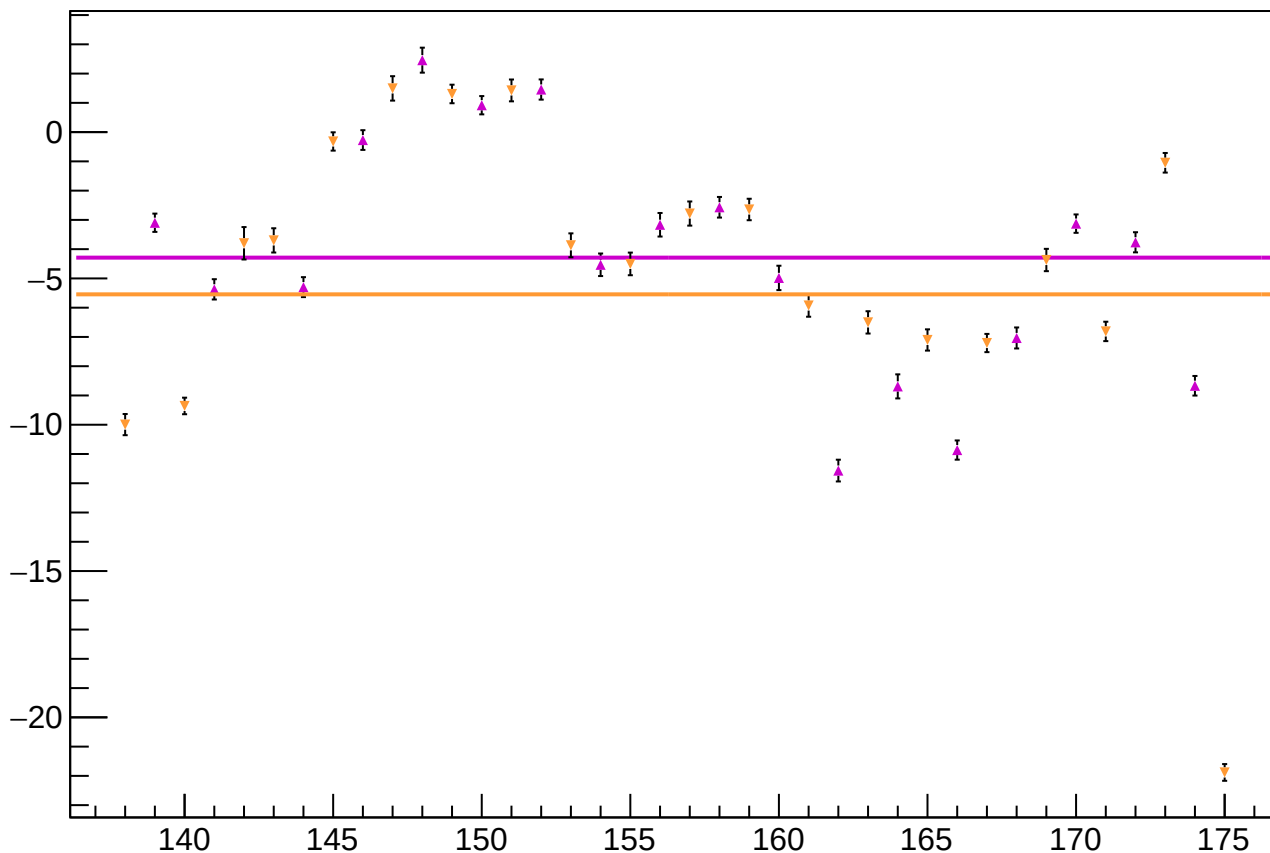
Right: -19.001 $\pm$ 0.013 χ^2/NDF : 204262.7/35

In: -19.850 $\pm$ 0.008 χ^2/NDF : 64707.4/34

Out: -19.526 $\pm$ 0.008 χ^2/NDF : 276925.5/38

All: -19.683 $\pm$ 0.006 χ^2/NDF : 342443.7/73

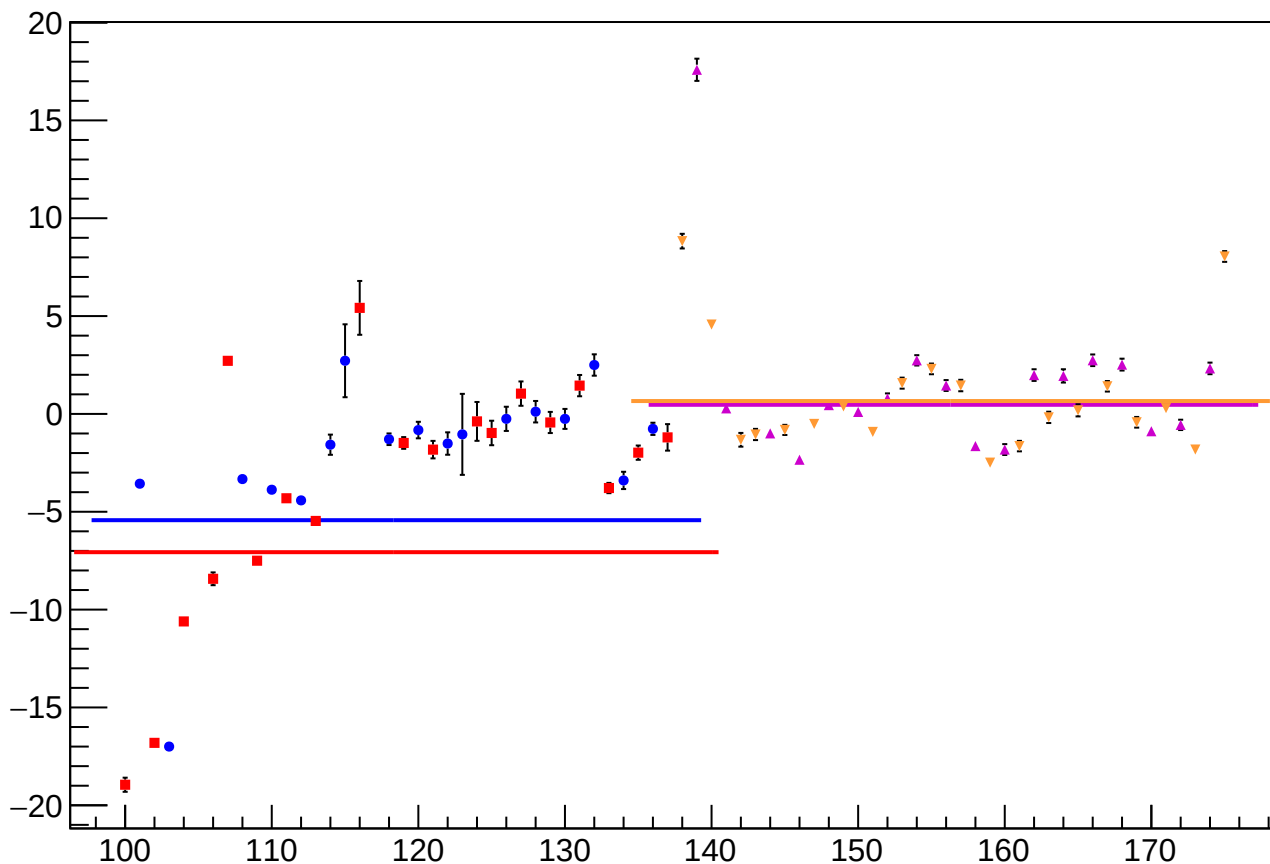
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -5.544 $\pm$ 0.080 χ^2 /NDF:5399.9/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.290 $\pm$ 0.083 χ^2 /NDF:2158.9/17

Left: -4.943 $\pm$ 0.058 χ^2 /NDF: 7677.1/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -4.290 $\pm$ 0.083 χ^2 /NDF:2158.9/17
 Out: -5.544 $\pm$ 0.080 χ^2 /NDF:5399.9/19
 All: -4.943 $\pm$ 0.058 χ^2 /NDF: 7677.1/37

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: 0.658 ± 0.059 χ^2/NDF : 2072.5/19

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

Left In: 0.466 ± 0.062 χ^2/NDF : 1591.5/17

Left: 0.567 ± 0.043 χ^2/NDF : 3669.0/37

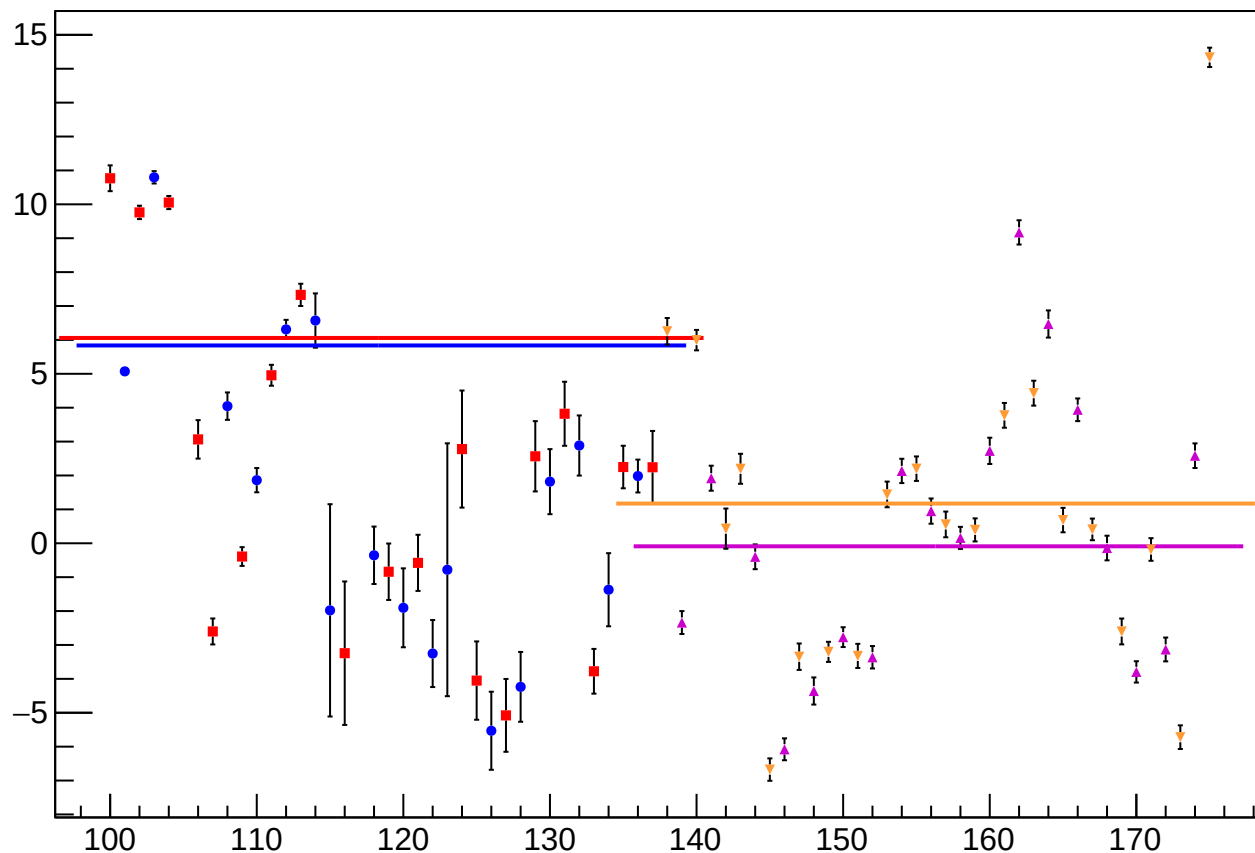
Right: -6.189 ± 0.040 χ^2/NDF : 21952.0/35

In: -2.838 ± 0.041 χ^2/NDF : 15905.2/34

Out: -3.185 ± 0.042 χ^2/NDF : 22982.8/38

All: -3.009 ± 0.029 χ^2/NDF : 38923.2/73

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 ± 0.090 χ^2/NDF : 1440.9/16

Left Out: 1.172 ± 0.079 χ^2/NDF : 4288.1/19

Right Out: 6.057 ± 0.093 χ^2/NDF : 2668.9/18

Left In: -0.090 ± 0.082 χ^2/NDF : 2164.2/17

Left: 0.565 ± 0.057 χ^2/NDF : 6574.3/37

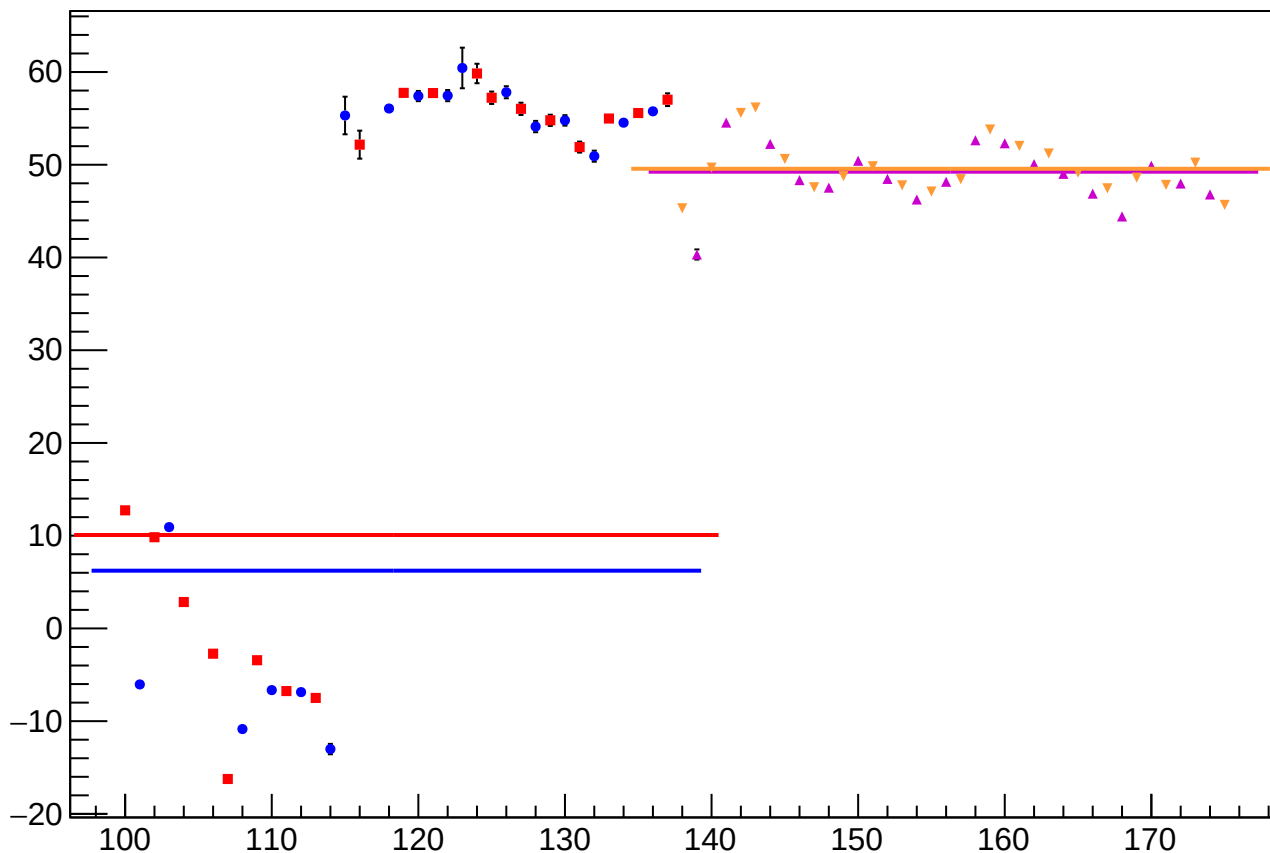
Right: 5.942 ± 0.065 χ^2/NDF : 4112.7/35

In: 2.619 ± 0.061 χ^2/NDF : 5976.8/34

Out: 3.217 ± 0.060 χ^2/NDF : 8550.0/38

All: 2.919 ± 0.043 χ^2/NDF : 14575.6/73

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: 49.567+/-0.067 χ^2/NDF :1498.2/19

Right Out: 10.075+/-0.070 χ^2/NDF : 122049.3/18

Left In: 49.252+/-0.071 χ^2/NDF :1490.7/17

Left: 49.418+/-0.049 χ^2/NDF : 2999.3/37

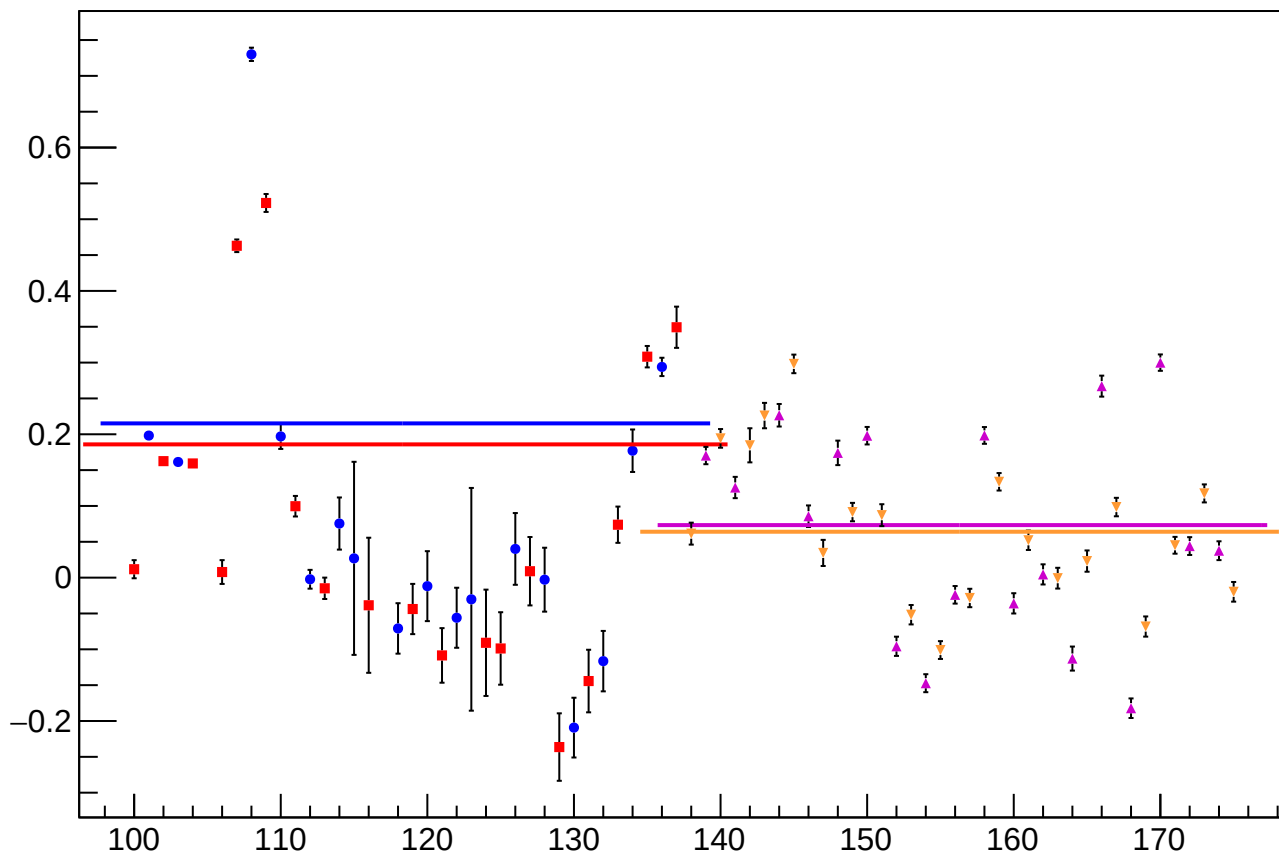
Right: 8.011+/-0.047 χ^2/NDF : 244638.0/35

In: 25.895+/-0.048 χ^2/NDF :323802.9/34

Out: 30.523+/-0.048 χ^2/NDF :289598.1/38

All: 28.177+/-0.034 χ^2/NDF : 618030.5/73

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: 0.064 $\pm$ 0.003 χ^2 /NDF:1061.3/19

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

Left In: 0.073 $\pm$ 0.003 χ^2 /NDF:2095.4/17

Left: 0.069 $\pm$ 0.002 χ^2 /NDF: 3161.1/37

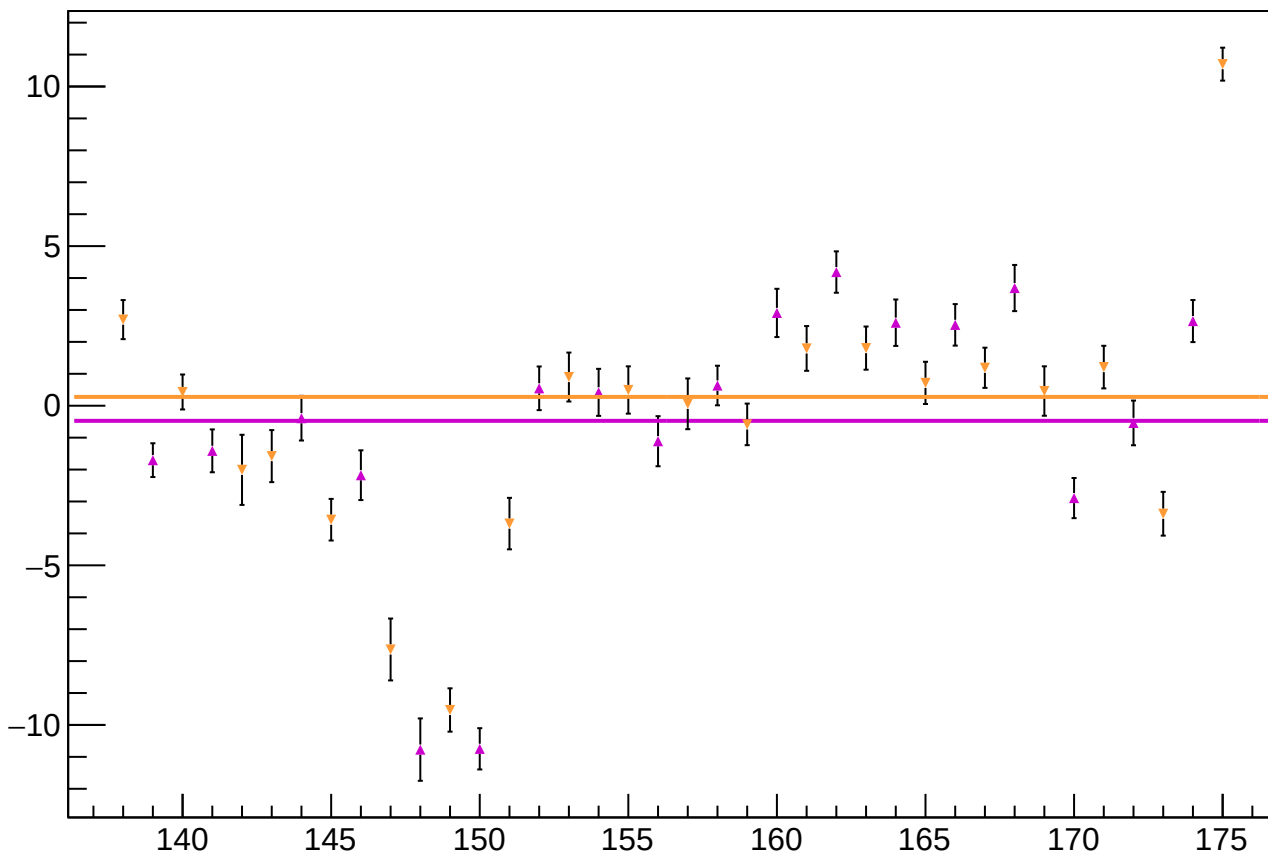
Right: 0.200 $\pm$ 0.002 χ^2 /NDF: 6701.6/35

In: 0.154 $\pm$ 0.002 χ^2 /NDF:7157.2/34

Out: 0.134 $\pm$ 0.002 χ^2 /NDF:4660.7/38

All: 0.143 $\pm$ 0.001 χ^2 /NDF: 11865.8/73

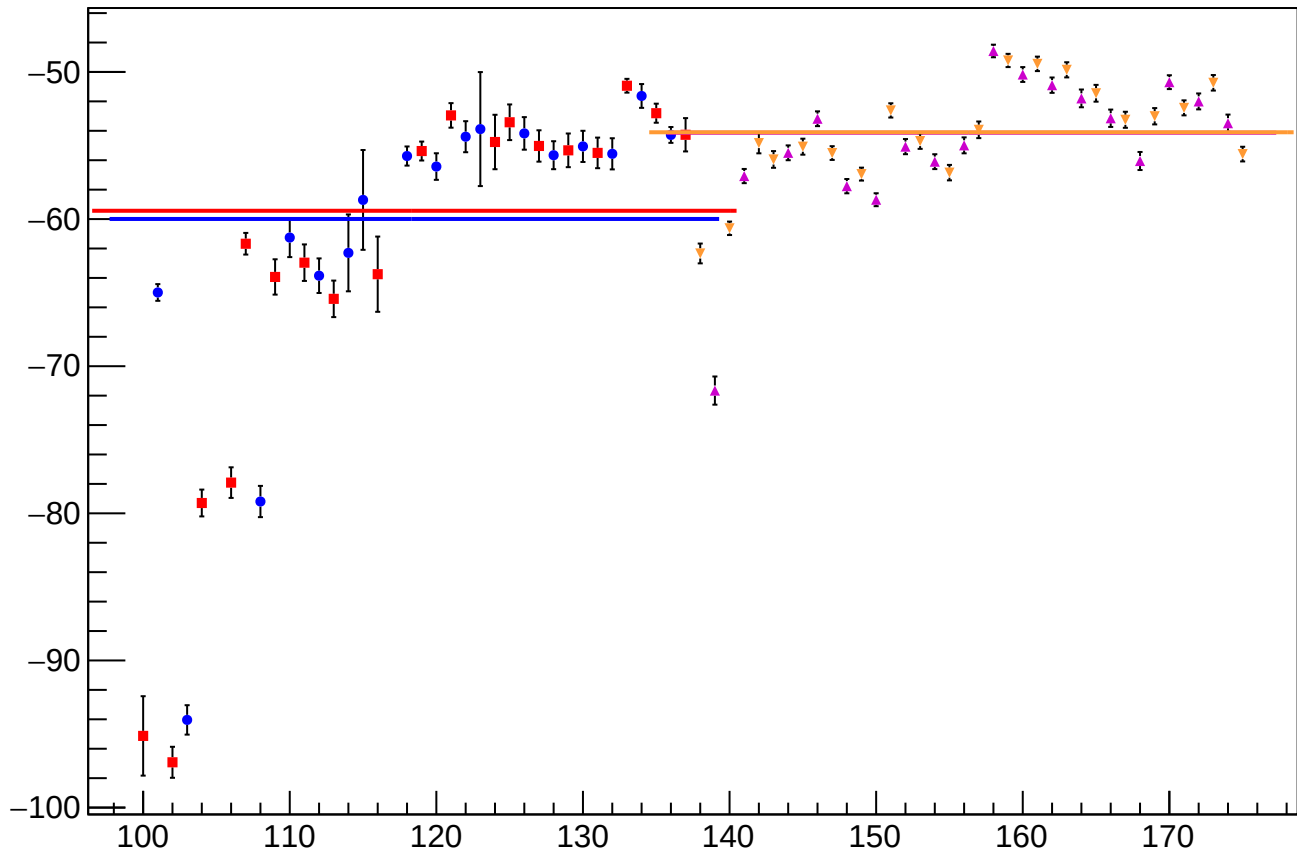
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.276+/-0.155 χ^2/NDF :812.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.473+/-0.162 χ^2/NDF :564.7/17

Left: -0.082+/-0.112 χ^2/NDF : 1388.6/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.473+/-0.162 χ^2/NDF :564.7/17
 Out: 0.276+/-0.155 χ^2/NDF :812.7/19
 All: -0.082+/-0.112 χ^2/NDF : 1388.6/37

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 $\pm$ 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.100 $\pm$ 0.116 χ^2/NDF : 819.9/19

Right Out: -59.435 $\pm$ 0.212 χ^2/NDF : 2917.9/18

Left In: -54.132 $\pm$ 0.123 χ^2/NDF : 932.3/17

Left: -54.115 $\pm$ 0.085 χ^2/NDF : 1752.2/37

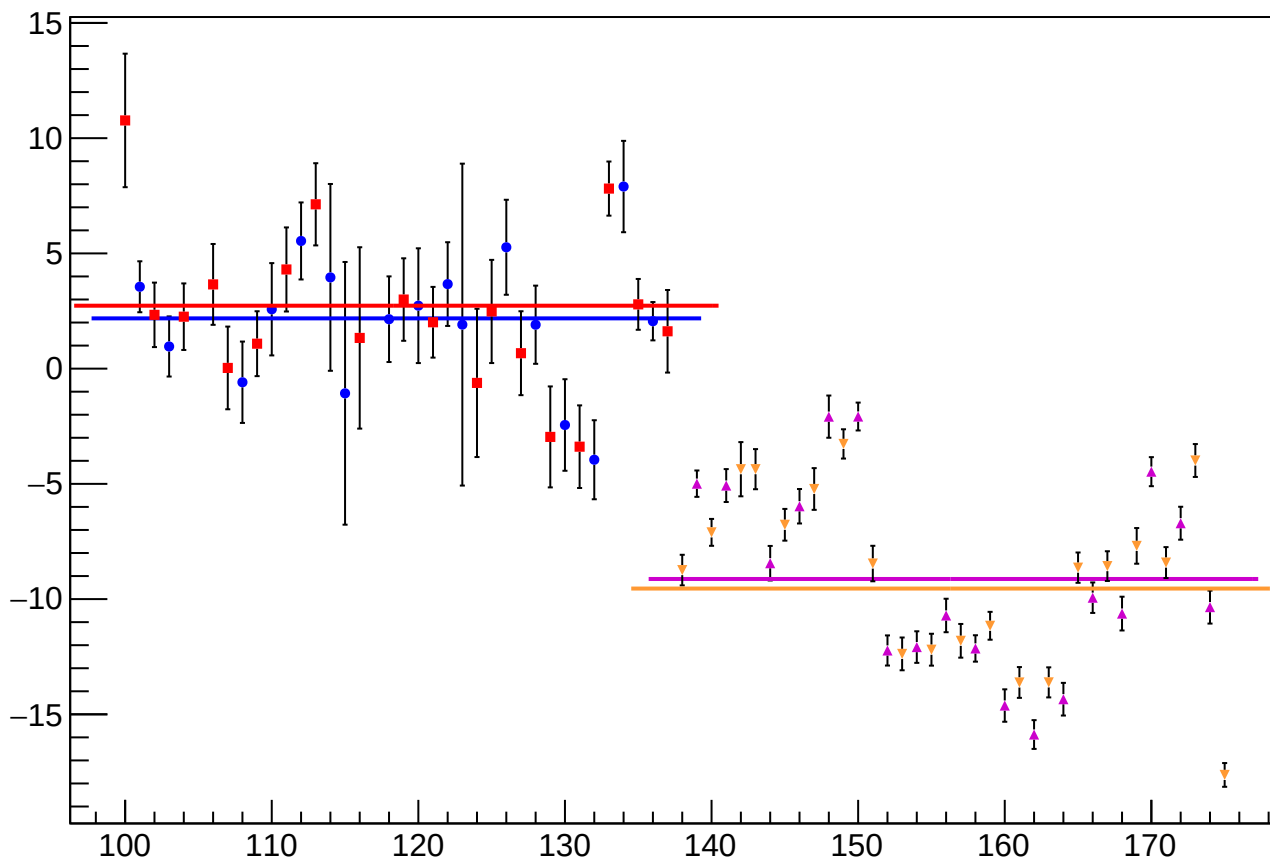
Right: -59.697 $\pm$ 0.154 χ^2/NDF : 4894.0/35

In: -55.483 $\pm$ 0.108 χ^2/NDF : 3427.3/34

Out: -55.336 $\pm$ 0.102 χ^2/NDF : 4224.6/38

All: -55.406 $\pm$ 0.074 χ^2/NDF : 7652.9/73

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: -9.543 ± 0.154 $\chi^2/\text{NDF}: 655.6/19$

Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -9.127 ± 0.160 $\chi^2/\text{NDF}: 678.4/17$

Left: -9.343 ± 0.111 $\chi^2/\text{NDF}: 1337.5/37$

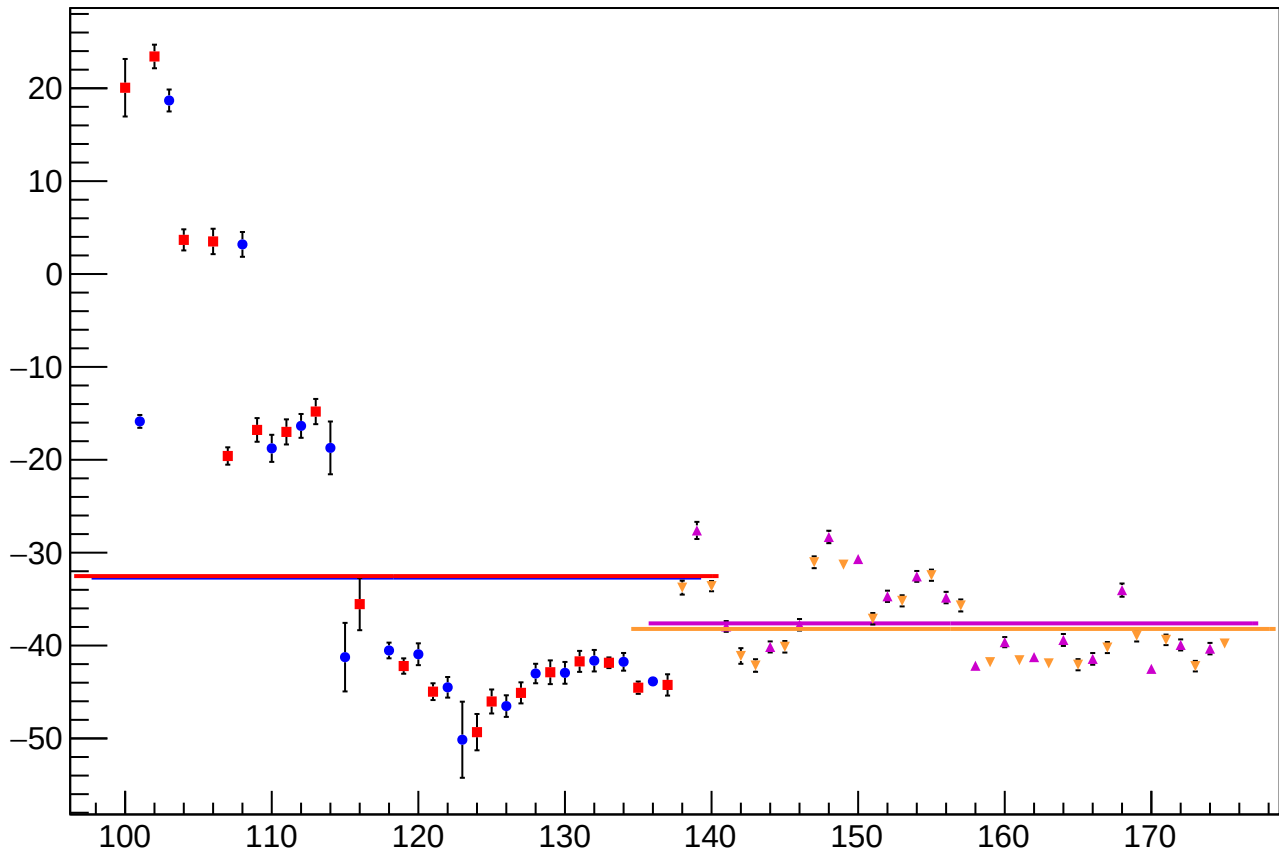
Right: 2.468 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$

In: -7.605 ± 0.149 $\chi^2/\text{NDF}: 1389.9/34$

Out: -7.878 ± 0.143 $\chi^2/\text{NDF}: 1579.6/38$

All: -7.747 ± 0.103 $\chi^2/\text{NDF}: 2971.3/73$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 χ^2/NDF : 4646.9/16

Left Out: -38.212 ± 0.132 χ^2/NDF : 856.2/19

Right Out: -32.523 ± 0.244 χ^2/NDF : 6045.3/18

Left In: -37.614 ± 0.139 χ^2/NDF : 989.9/17

Left: -37.928 ± 0.096 χ^2/NDF : 1855.8/37

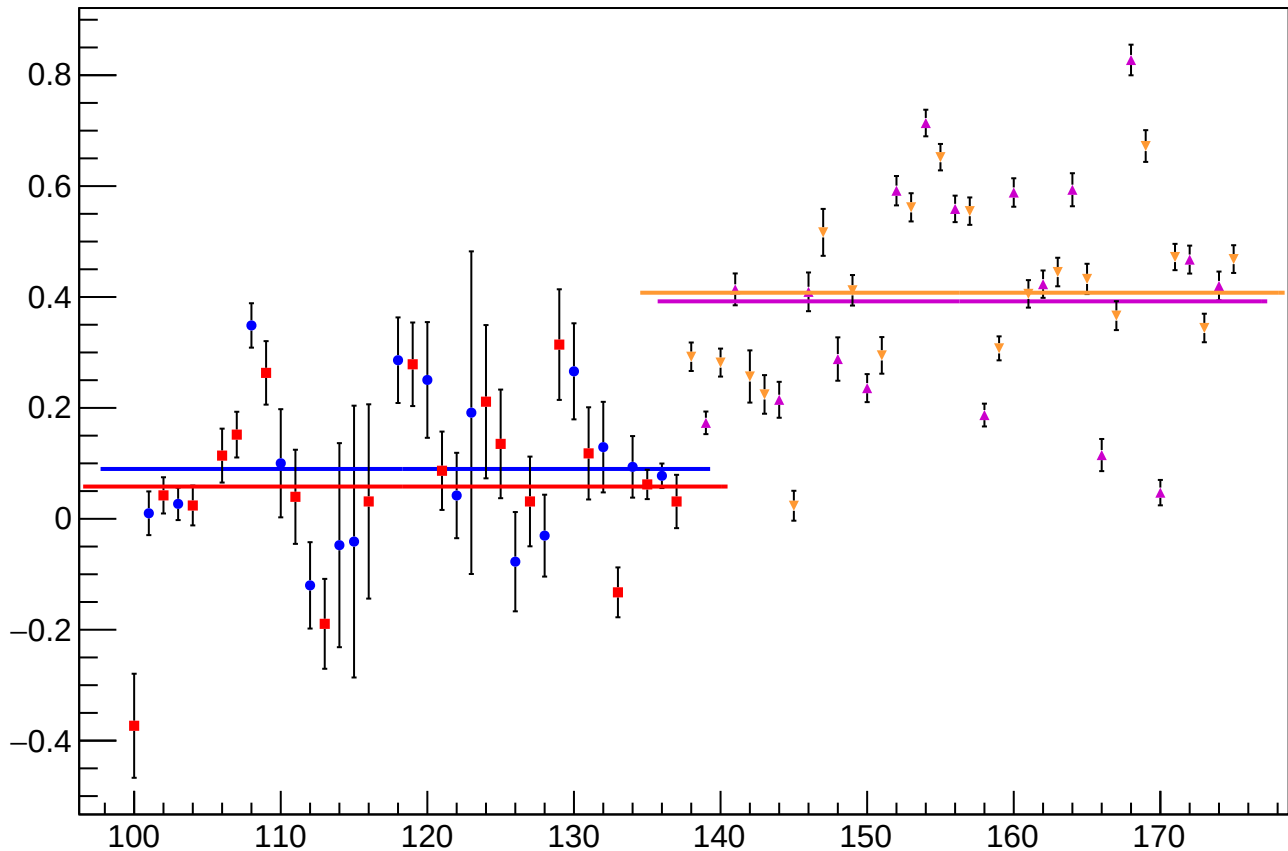
Right: -32.599 ± 0.177 χ^2/NDF : 10692.4/35

In: -36.491 ± 0.122 χ^2/NDF : 5923.8/34

Out: -36.924 ± 0.116 χ^2/NDF : 7322.0/38

All: -36.718 ± 0.084 χ^2/NDF : 13252.5/73

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.408 ± 0.006 $\chi^2/\text{NDF}: 613.3/19$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

Left In: 0.392 ± 0.006 $\chi^2/\text{NDF}: 1258.8/17$

Left: 0.400 ± 0.004 $\chi^2/\text{NDF}: 1875.4/37$

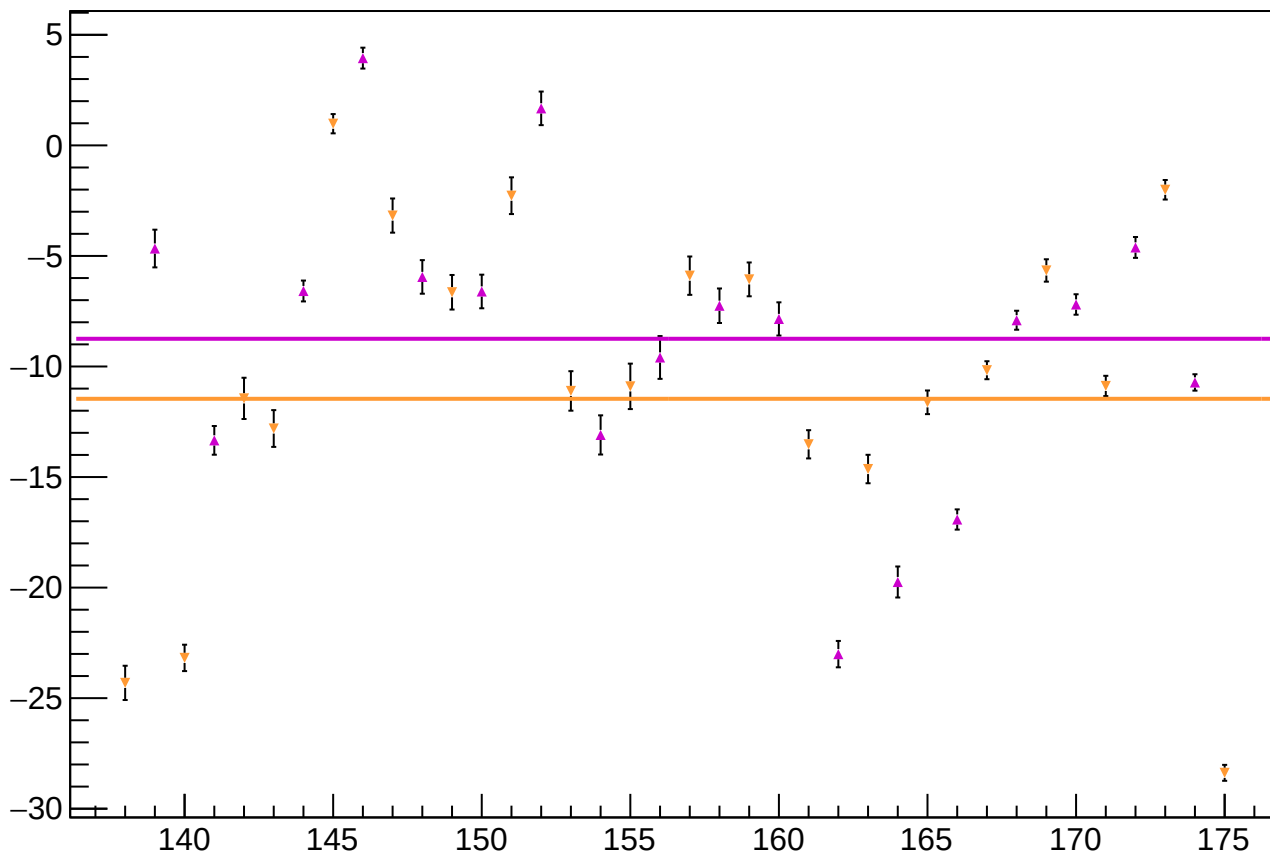
Right: 0.073 ± 0.009 $\chi^2/\text{NDF}: 169.1/35$

In: 0.335 ± 0.006 $\chi^2/\text{NDF}: 1794.5/34$

Out: 0.339 ± 0.005 $\chi^2/\text{NDF}: 1363.5/38$

All: 0.337 ± 0.004 $\chi^2/\text{NDF}: 3158.2/73$

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: -11.461 $\pm$ 0.131 χ^2/NDF :4684.7/19

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -8.747 $\pm$ 0.135 χ^2/NDF :2311.4/17

Left: -10.141 $\pm$ 0.094 χ^2/NDF : 7204.8/37

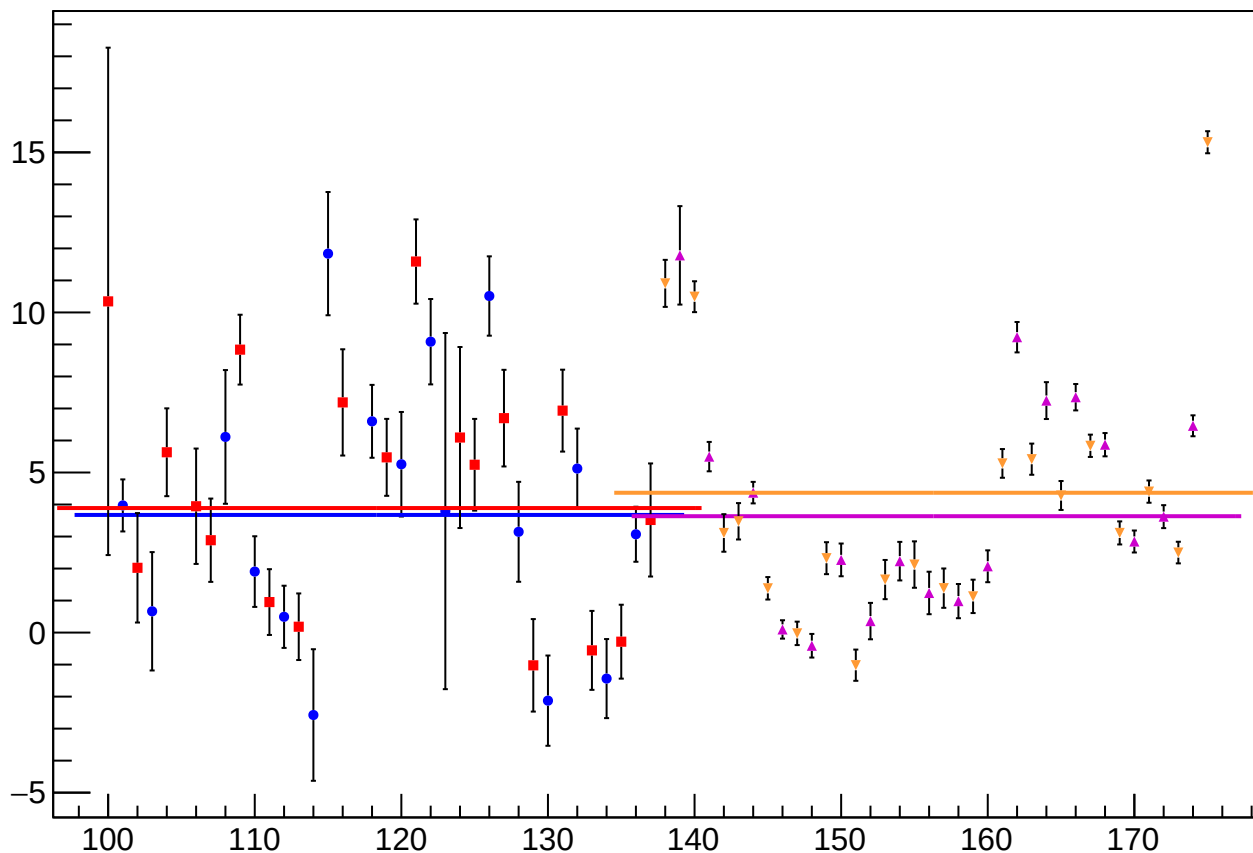
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -8.747 $\pm$ 0.135 χ^2/NDF :2311.4/17

Out: -11.461 $\pm$ 0.131 χ^2/NDF :4684.7/19

All: -10.141 $\pm$ 0.094 χ^2/NDF : 7204.8/37

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 $\chi^2/\text{NDF}: 135.2/16$

Left Out: 4.367 ± 0.099 $\chi^2/\text{NDF}: 1772.8/19$

Right Out: 3.890 ± 0.316 $\chi^2/\text{NDF}: 133.7/18$

Left In: 3.635 ± 0.100 $\chi^2/\text{NDF}: 791.8/17$

Left: 4.006 ± 0.070 $\chi^2/\text{NDF}: 2591.7/37$

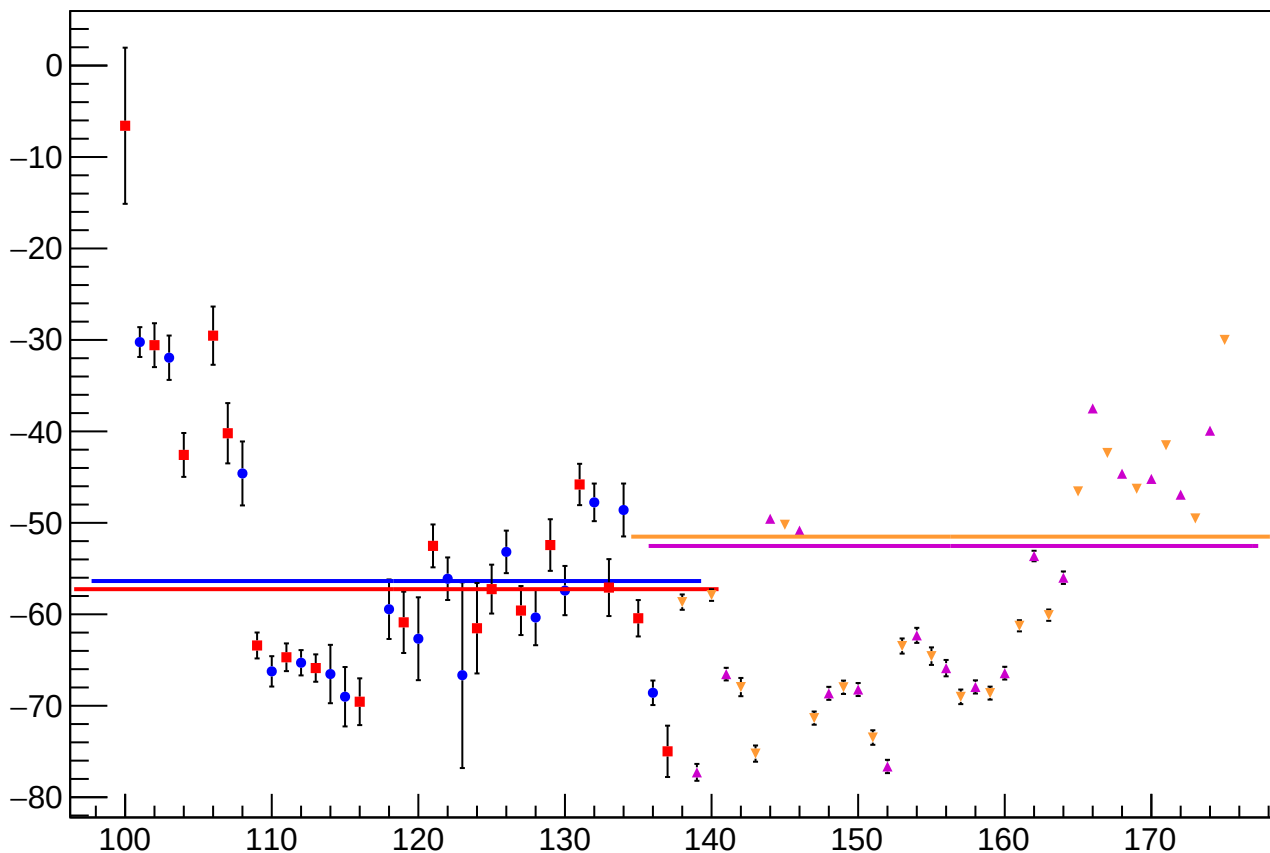
Right: 3.780 ± 0.221 $\chi^2/\text{NDF}: 269.1/35$

In: 3.639 ± 0.095 $\chi^2/\text{NDF}: 927.0/34$

Out: 4.325 ± 0.094 $\chi^2/\text{NDF}: 1908.6/38$

All: 3.986 ± 0.067 $\chi^2/\text{NDF}: 2861.8/73$

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: -51.508 ± 0.131 $\chi^2/\text{NDF}: 9801.2/19$

Right Out: -57.252 ± 0.536 $\chi^2/\text{NDF}: 476.0/18$

Left In: -52.528 ± 0.135 $\chi^2/\text{NDF}: 7263.9/17$

Left: -52.004 ± 0.094 $\chi^2/\text{NDF}: 17094.4/37$

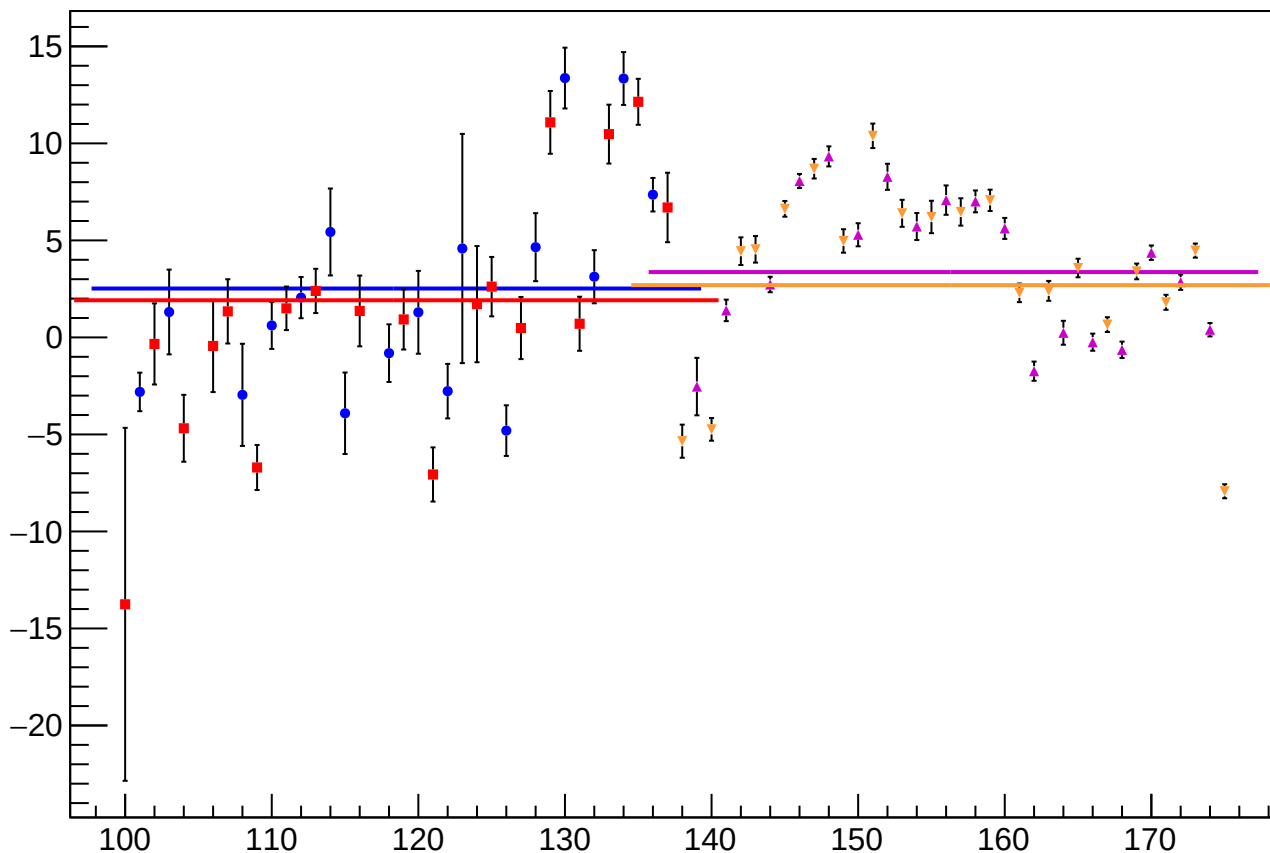
Right: -56.813 ± 0.382 $\chi^2/\text{NDF}: 1064.6/35$

In: -52.752 ± 0.131 $\chi^2/\text{NDF}: 7898.0/34$

Out: -51.834 ± 0.128 $\chi^2/\text{NDF}: 10385.4/38$

All: -52.280 ± 0.091 $\chi^2/\text{NDF}: 18308.6/73$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 $\pm$ 0.347 χ^2 /NDF: 242.3/16

Left Out: 2.694 $\pm$ 0.112 χ^2 /NDF:1726.7/19

Right Out: 1.914 $\pm$ 0.355 χ^2 /NDF: 264.5/18

Left In: 3.368 $\pm$ 0.115 χ^2 /NDF:860.5/17

Left: 3.023 $\pm$ 0.080 χ^2 /NDF: 2604.9/37

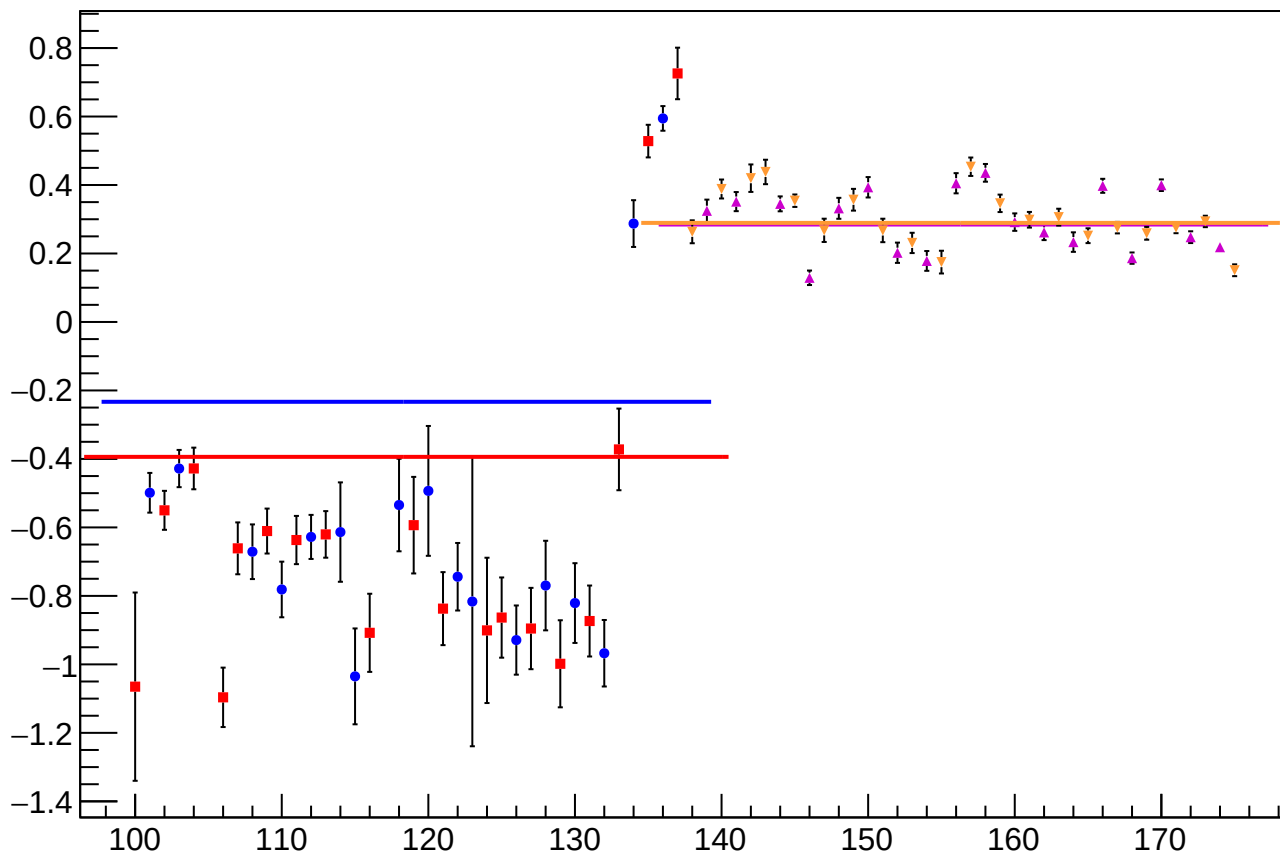
Right: 2.224 $\pm$ 0.248 χ^2 /NDF: 508.4/35

In: 3.285 $\pm$ 0.109 χ^2 /NDF:1108.3/34

Out: 2.624 $\pm$ 0.107 χ^2 /NDF:1995.6/38

All: 2.948 $\pm$ 0.076 χ^2 /NDF: 3122.7/73

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: 0.289 ± 0.005 χ^2/NDF : 189.3/19

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.285 ± 0.005 χ^2/NDF : 298.0/17

Left: 0.287 ± 0.004 χ^2/NDF : 487.7/37

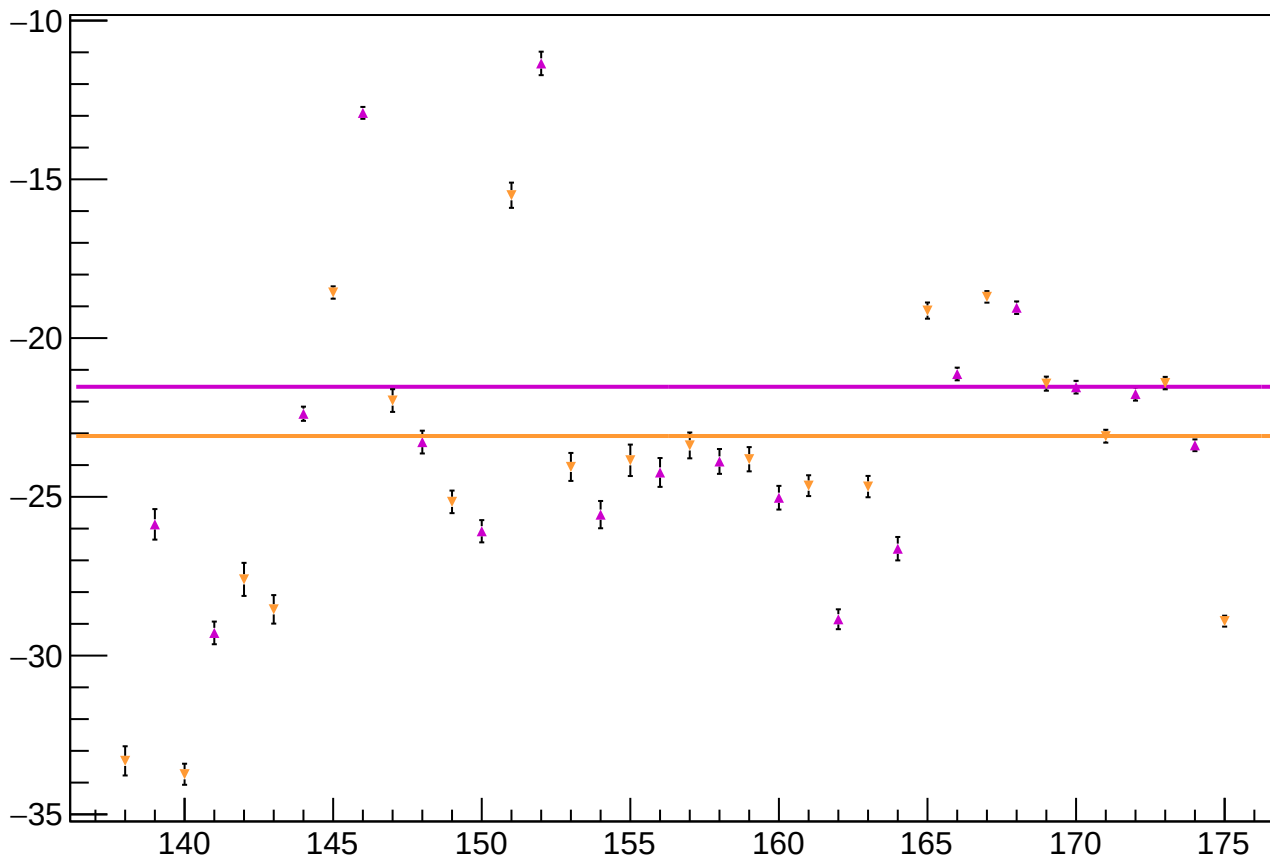
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.247 ± 0.005 χ^2/NDF : 1950.7/34

Out: 0.242 ± 0.005 χ^2/NDF : 2239.5/38

All: 0.245 ± 0.004 χ^2/NDF : 4190.8/73

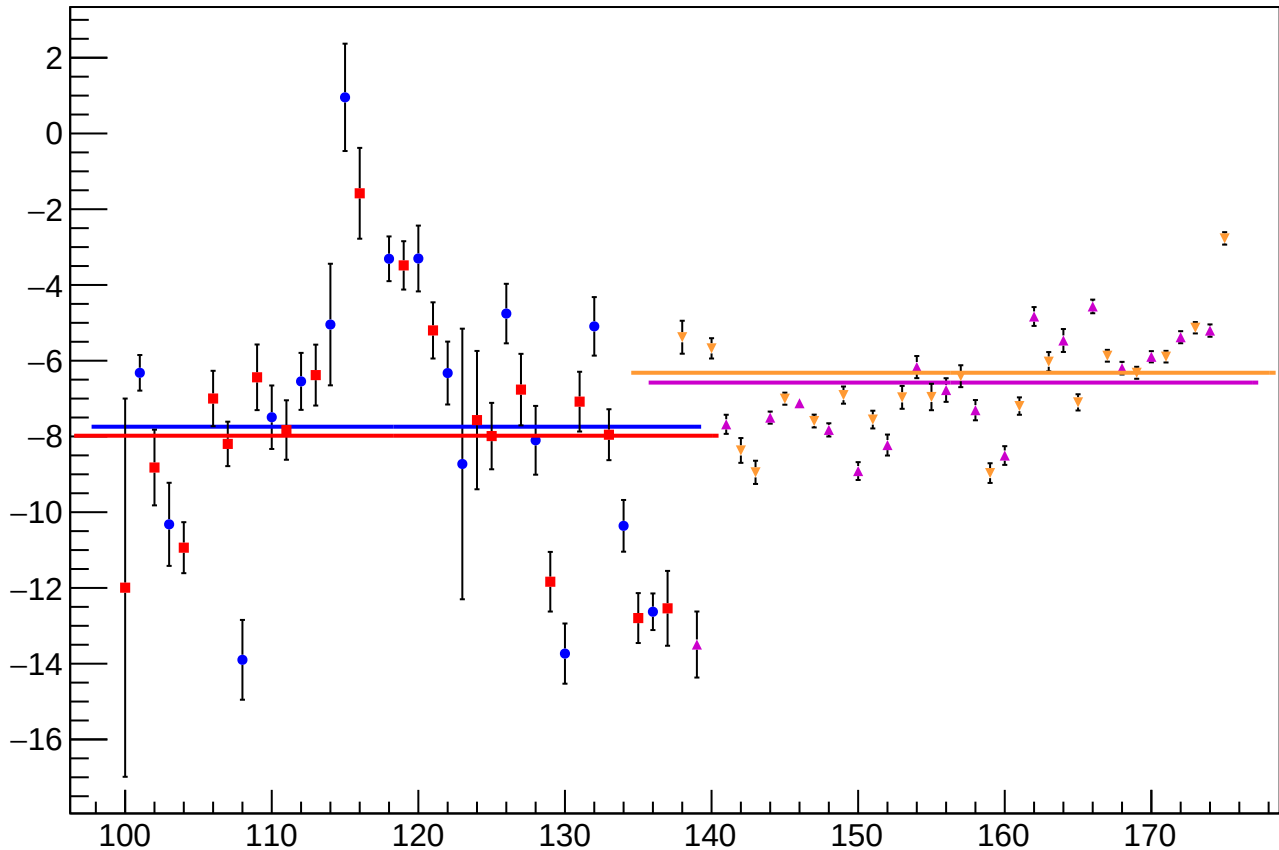
reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.084+/-0.062 χ^2/NDF : 4850.1/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -21.533+/-0.063 χ^2/NDF : 4884.9/17

Left: -22.321+/-0.044 χ^2/NDF : 10044.4/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -21.533+/-0.063 χ^2/NDF : 4884.9/17
 Out: -23.084+/-0.062 χ^2/NDF : 4850.1/19
 All: -22.321+/-0.044 χ^2/NDF : 10044.4/37

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: -6.318 ± 0.047 χ^2/NDF : 918.2/19

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

Left In: -6.578 ± 0.047 χ^2/NDF : 734.5/17

Left: -6.449 ± 0.033 χ^2/NDF : 1668.2/37

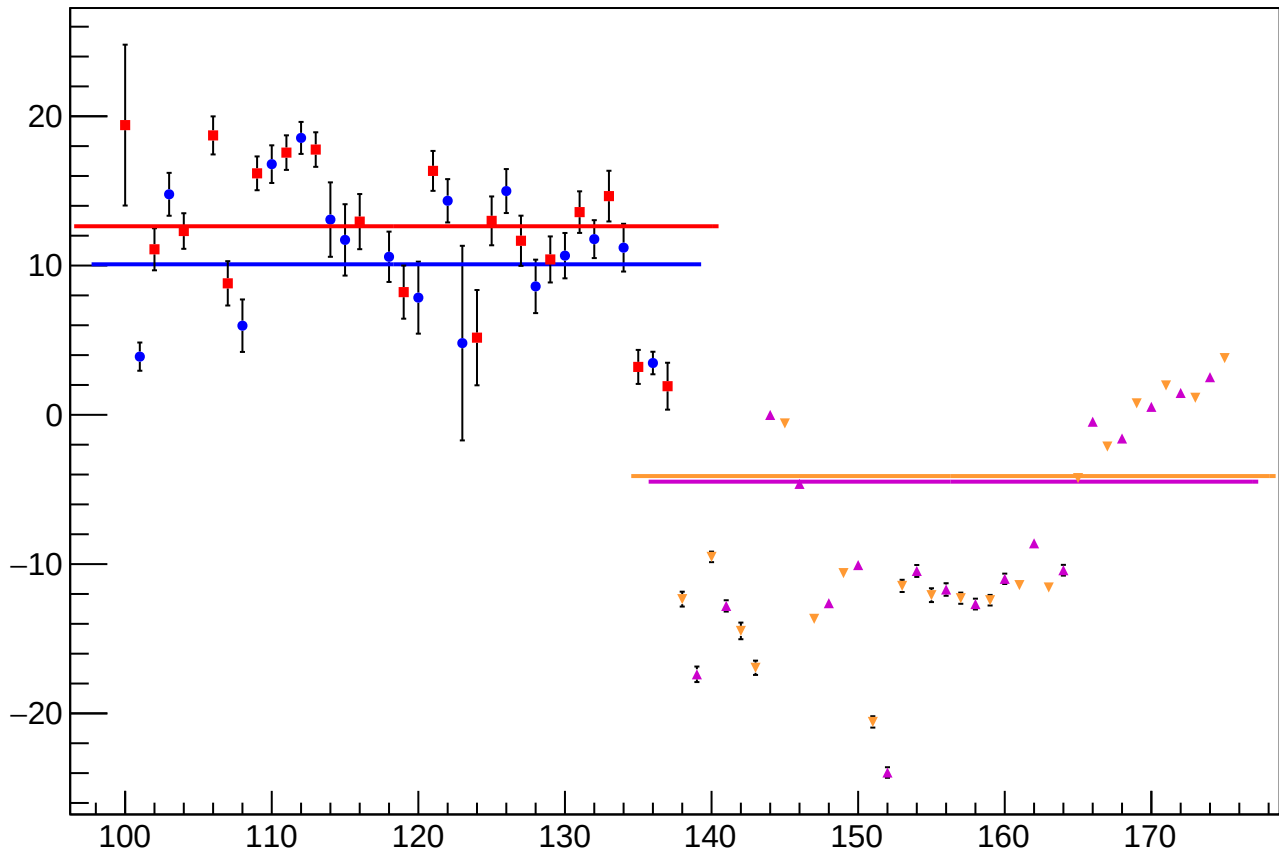
Right: -7.863 ± 0.132 χ^2/NDF : 601.9/35

In: -6.646 ± 0.045 χ^2/NDF : 1148.5/34

Out: -6.417 ± 0.045 χ^2/NDF : 1217.1/38

All: -6.532 ± 0.032 χ^2/NDF : 2378.4/73

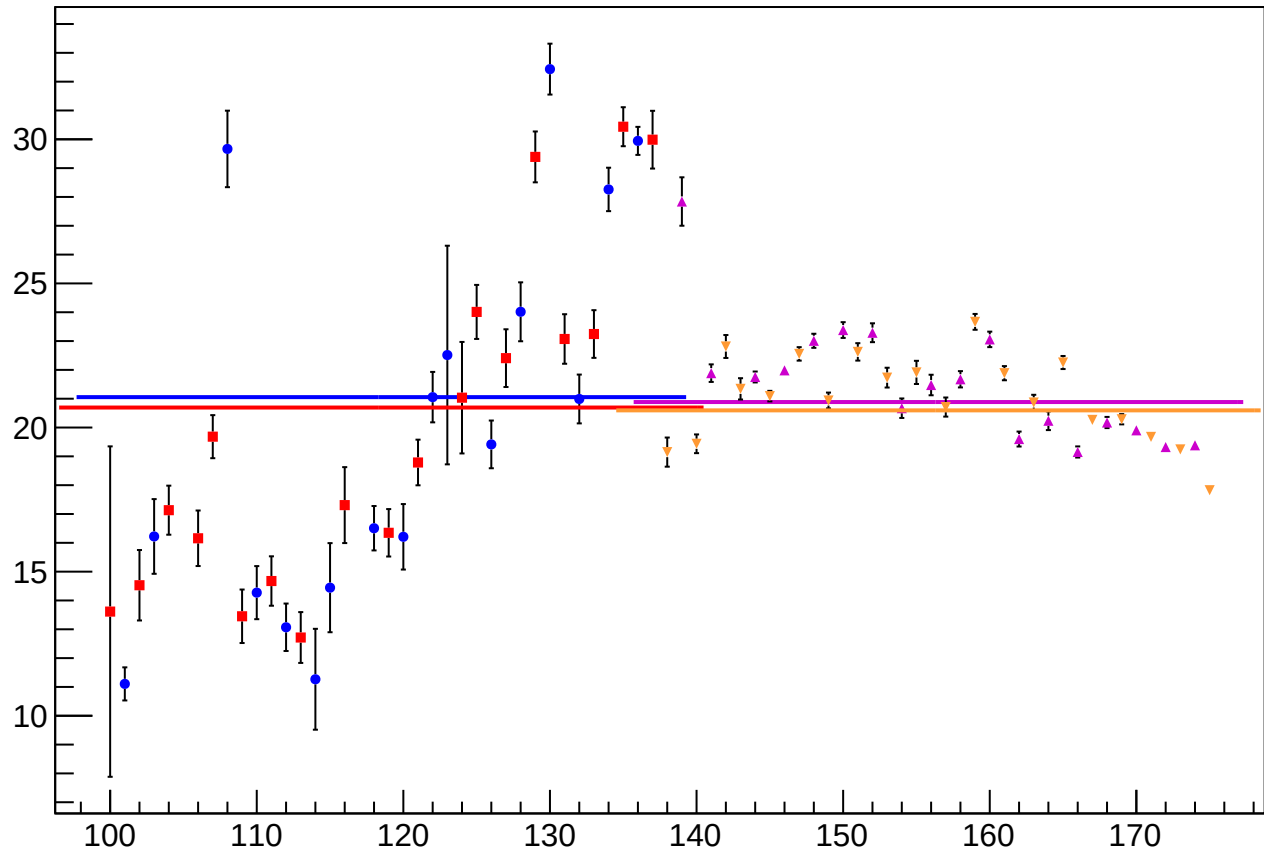
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$
 Left Out: -4.102 ± 0.062 $\chi^2/\text{NDF}: 11910.9/19$
 Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$
 Left In: -4.478 ± 0.063 $\chi^2/\text{NDF}: 10413.7/17$

Left: -4.287 ± 0.044 $\chi^2/\text{NDF}: 22342.8/37$
 Right: 11.377 ± 0.237 $\chi^2/\text{NDF}: 500.1/35$
 In: -3.990 ± 0.062 $\chi^2/\text{NDF}: 12460.9/34$
 Out: -3.540 ± 0.061 $\chi^2/\text{NDF}: 14574.9/38$
 All: -3.761 ± 0.043 $\chi^2/\text{NDF}: 27062.5/73$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 20.596 $\pm$ 0.053 χ^2 /NDF: 772.0/19

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

Left In: 20.884 $\pm$ 0.053 χ^2 /NDF: 761.1/17

Left: 20.739 $\pm$ 0.038 χ^2 /NDF: 1547.9/37

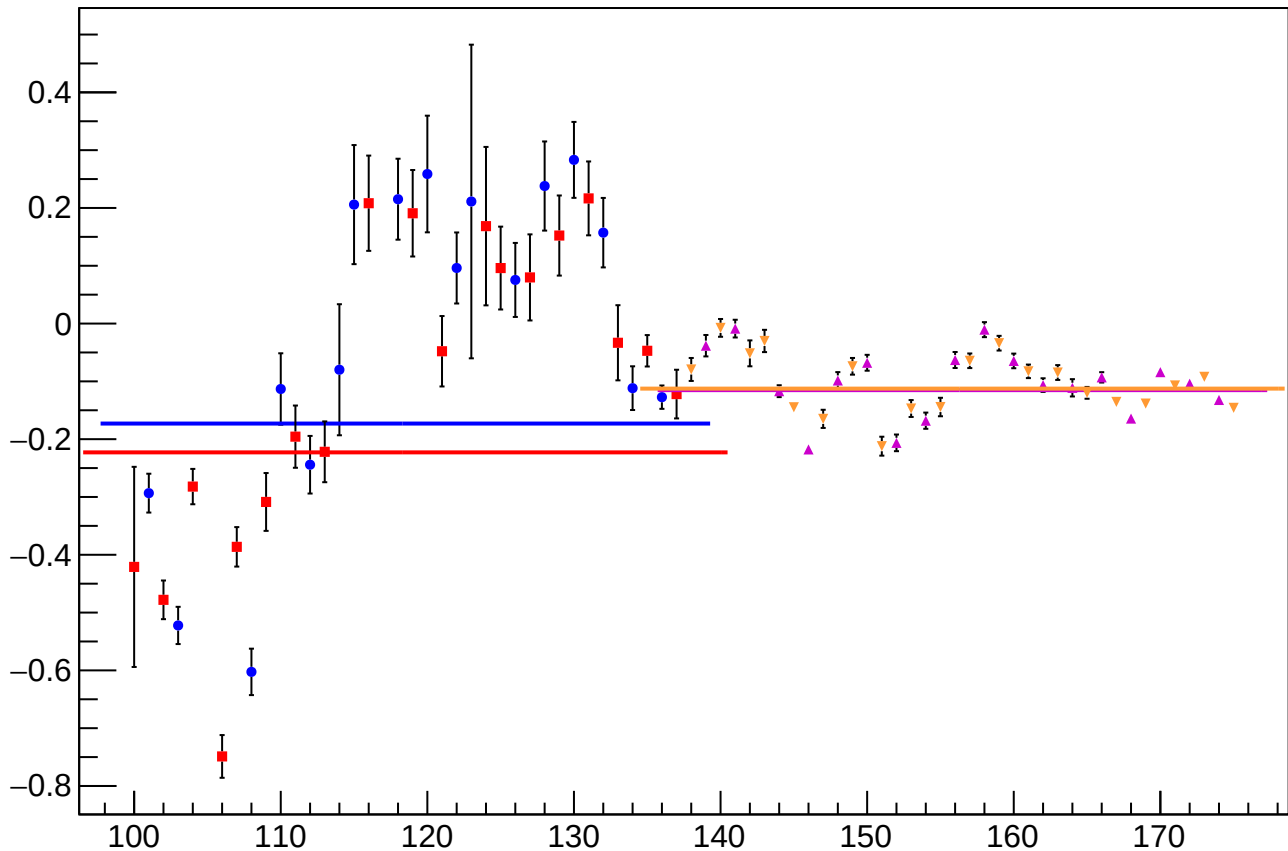
Right: 20.876 $\pm$ 0.150 χ^2 /NDF: 1937.3/35

In: 20.895 $\pm$ 0.052 χ^2 /NDF: 1973.5/34

Out: 20.601 $\pm$ 0.051 χ^2 /NDF: 1496.3/38

All: 20.747 $\pm$ 0.036 χ^2 /NDF: 3486.0/73

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: -0.113 ± 0.002 χ^2/NDF : 263.9/19

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.115 ± 0.002 χ^2/NDF : 450.4/17

Left: -0.114 ± 0.002 χ^2/NDF : 714.9/37

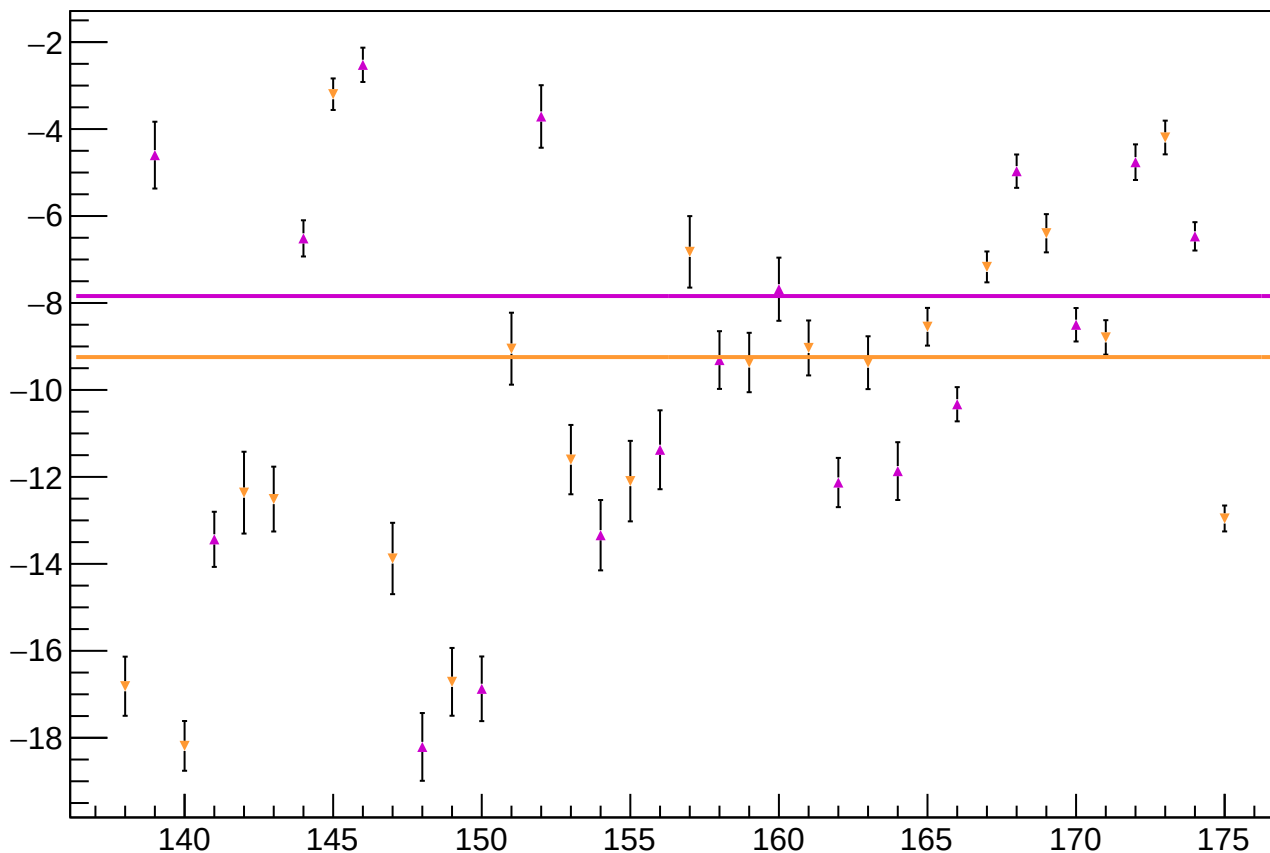
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.118 ± 0.002 χ^2/NDF : 937.7/34

Out: -0.118 ± 0.002 χ^2/NDF : 895.5/38

All: -0.118 ± 0.002 χ^2/NDF : 1833.2/73

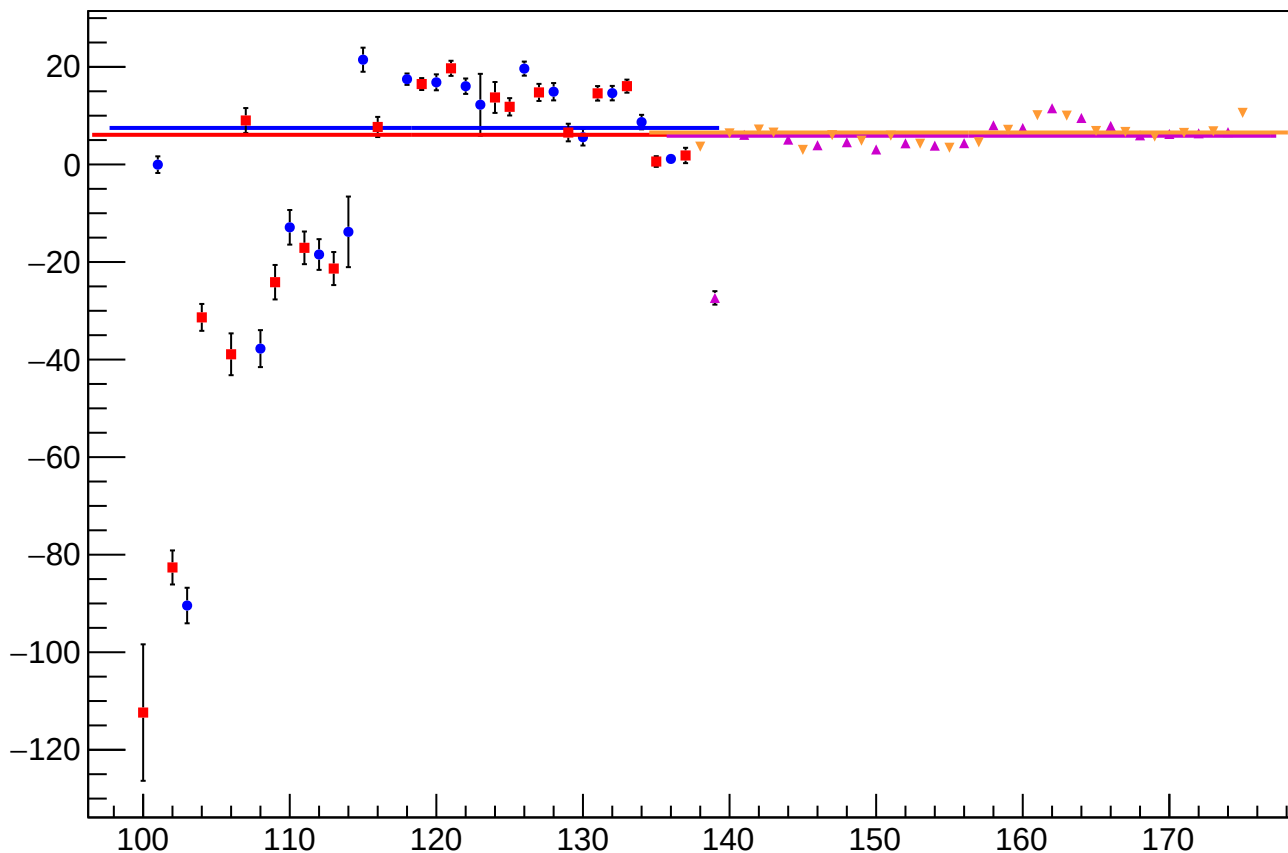
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -9.244 ± 0.116 $\chi^2/\text{NDF}: 1231.8/19$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -7.840 ± 0.120 $\chi^2/\text{NDF}: 978.7/17$

Left: -8.568 ± 0.083 $\chi^2/\text{NDF}: 2281.5/37$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -7.840 ± 0.120 $\chi^2/\text{NDF}: 978.7/17$
 Out: -9.244 ± 0.116 $\chi^2/\text{NDF}: 1231.8/19$
 All: -8.568 ± 0.083 $\chi^2/\text{NDF}: 2281.5/37$

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: 6.553 ± 0.089 $\chi^2/\text{NDF}: 572.0/19$

Right Out: 6.078 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 5.887 ± 0.090 $\chi^2/\text{NDF}: 994.6/17$

Left: 6.226 ± 0.063 $\chi^2/\text{NDF}: 1594.3/37$

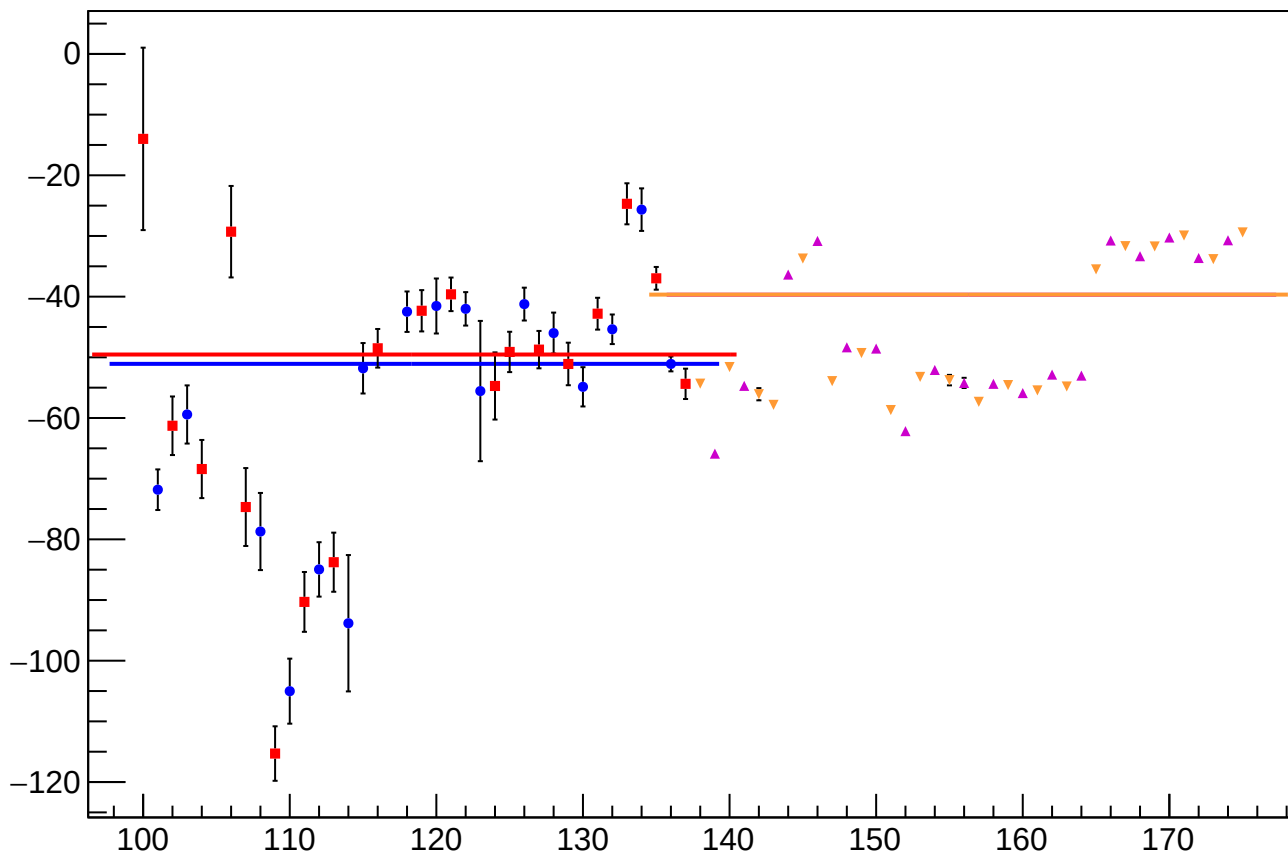
Right: 6.829 ± 0.297 $\chi^2/\text{NDF}: 2858.2/35$

In: 5.962 ± 0.088 $\chi^2/\text{NDF}: 2349.9/34$

Out: 6.534 ± 0.087 $\chi^2/\text{NDF}: 2085.2/38$

All: 6.252 ± 0.062 $\chi^2/\text{NDF}: 4456.5/73$

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: -39.664 ± 0.116 χ^2/NDF : 8839.8/19
 Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18
 Left In: -39.686 ± 0.121 χ^2/NDF : 8404.9/17

Left: -39.675 ± 0.084 χ^2/NDF : 17244.8/37

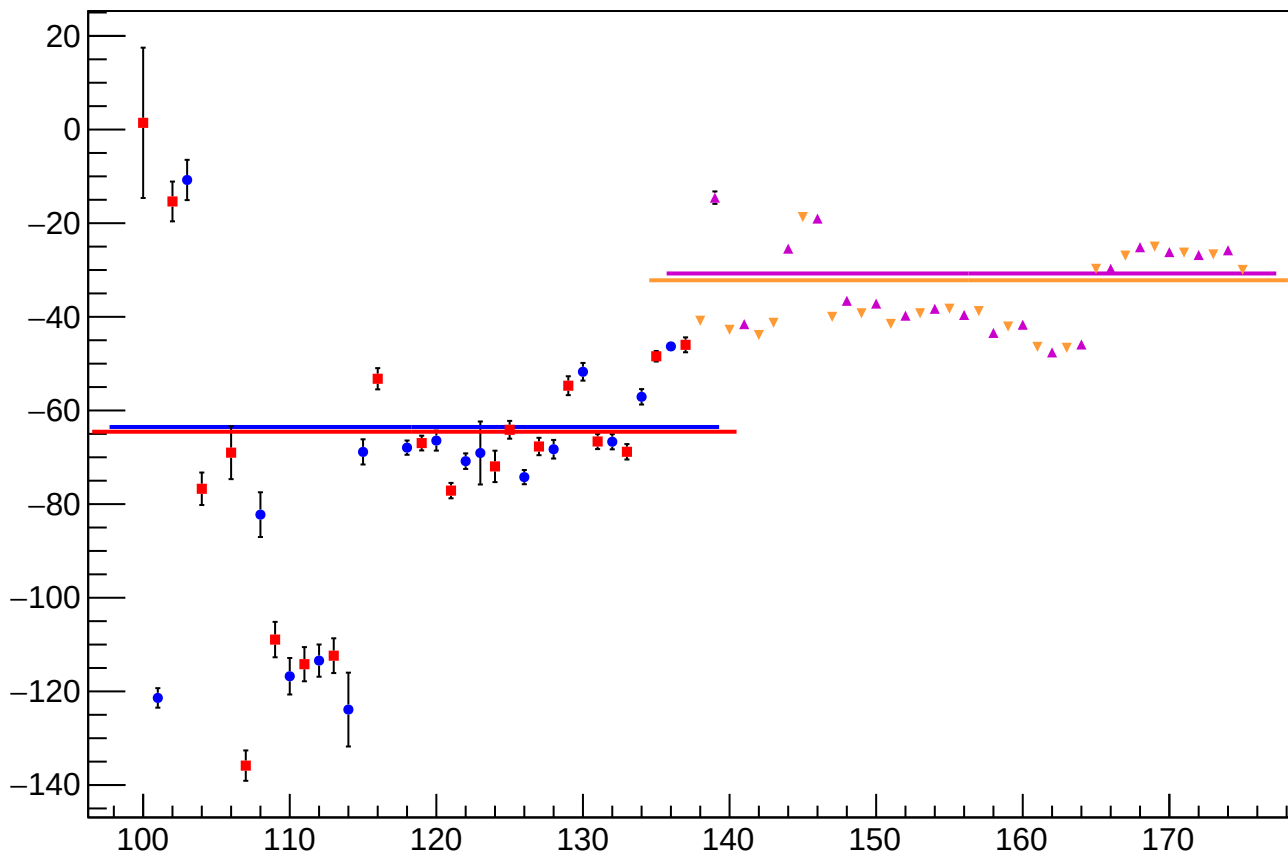
Right: -50.365 ± 0.543 χ^2/NDF : 841.8/35

In: -39.980 ± 0.119 χ^2/NDF : 8965.4/34

Out: -39.869 ± 0.115 χ^2/NDF : 9499.1/38

All: -39.923 ± 0.083 χ^2/NDF : 18465.0/73

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -32.195 ± 0.100 χ^2/NDF : 7034.1/19

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

Left In: -30.738 ± 0.103 χ^2/NDF : 6840.6/17

Left: -31.489 ± 0.072 χ^2/NDF : 13978.2/37

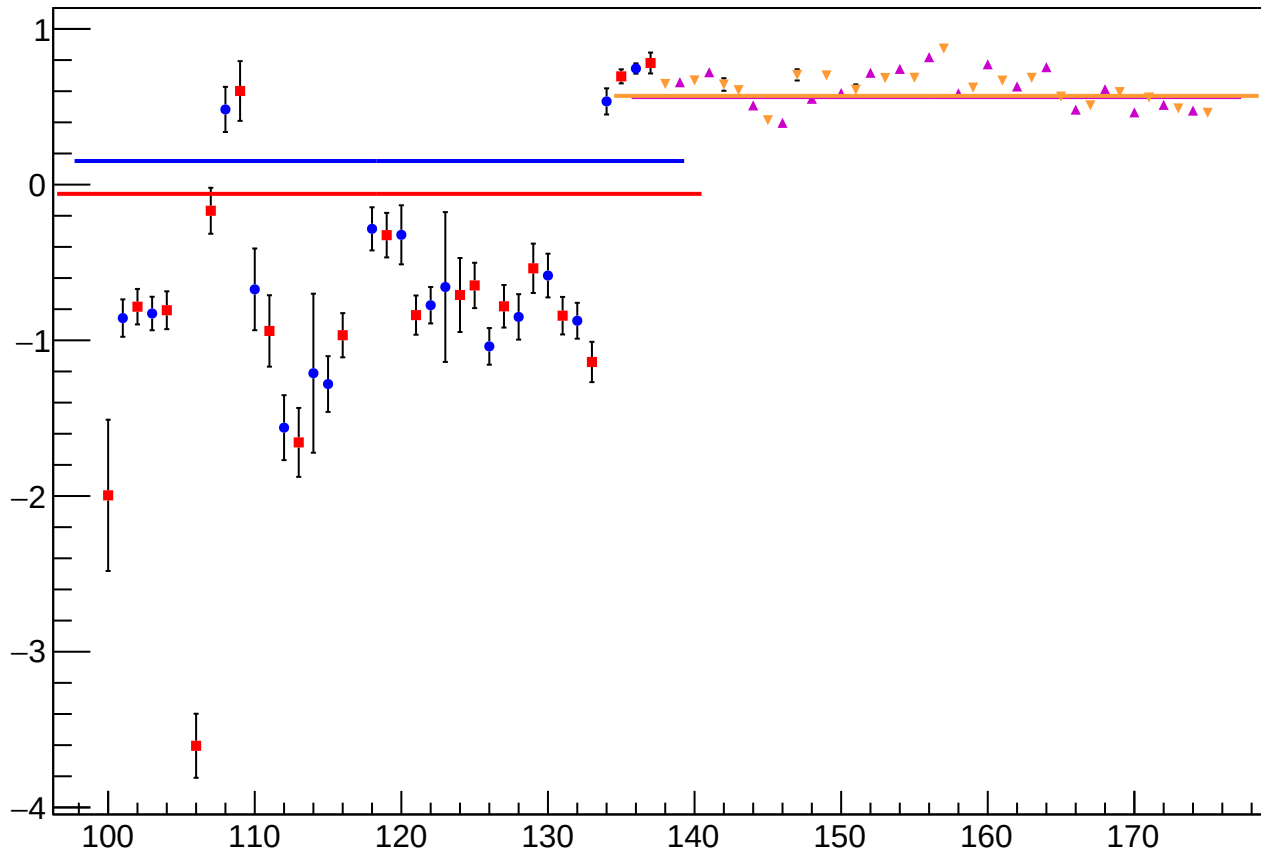
Right: -63.995 ± 0.329 χ^2/NDF : 3616.4/35

In: -32.373 ± 0.100 χ^2/NDF : 13925.4/34

Out: -33.518 ± 0.098 χ^2/NDF : 12939.1/38

All: -32.960 ± 0.070 χ^2/NDF : 26931.4/73

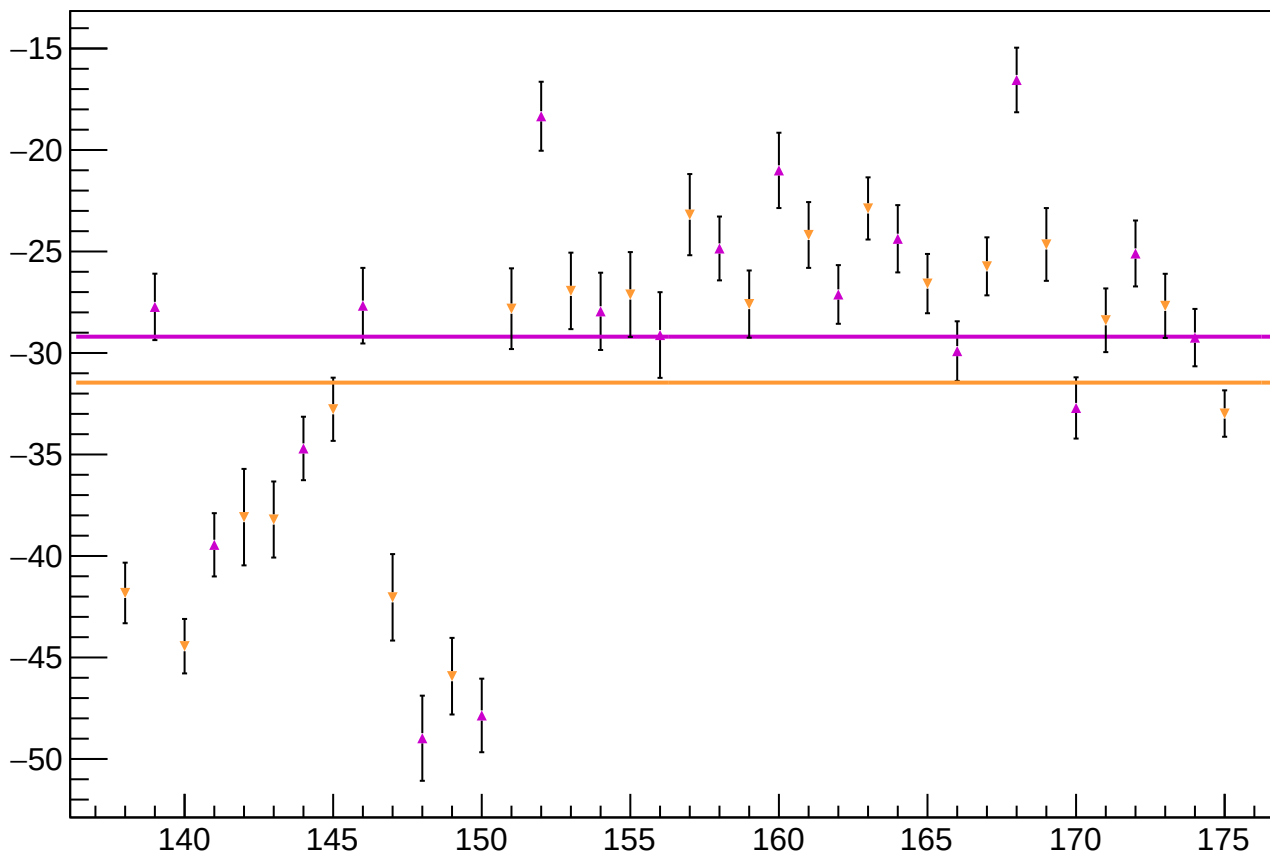
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$
 Left Out: 0.570 ± 0.005 $\chi^2/\text{NDF}: 496.2/19$
 Right Out: -0.059 ± 0.026 $\chi^2/\text{NDF}: 1161.9/18$
 Left In: 0.562 ± 0.005 $\chi^2/\text{NDF}: 575.3/17$

Left: 0.566 ± 0.003 $\chi^2/\text{NDF}: 1072.8/37$
 Right: 0.056 ± 0.018 $\chi^2/\text{NDF}: 2184.3/35$
 In: 0.547 ± 0.005 $\chi^2/\text{NDF}: 1843.9/34$
 Out: 0.551 ± 0.005 $\chi^2/\text{NDF}: 2213.9/38$
 All: 0.549 ± 0.003 $\chi^2/\text{NDF}: 4058.2/73$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -31.459 $\pm$ 0.367 χ^2 /NDF:387.2/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -29.197 $\pm$ 0.390 χ^2 /NDF:406.3/17

Left: -30.395 $\pm$ 0.267 χ^2 /NDF: 811.4/37

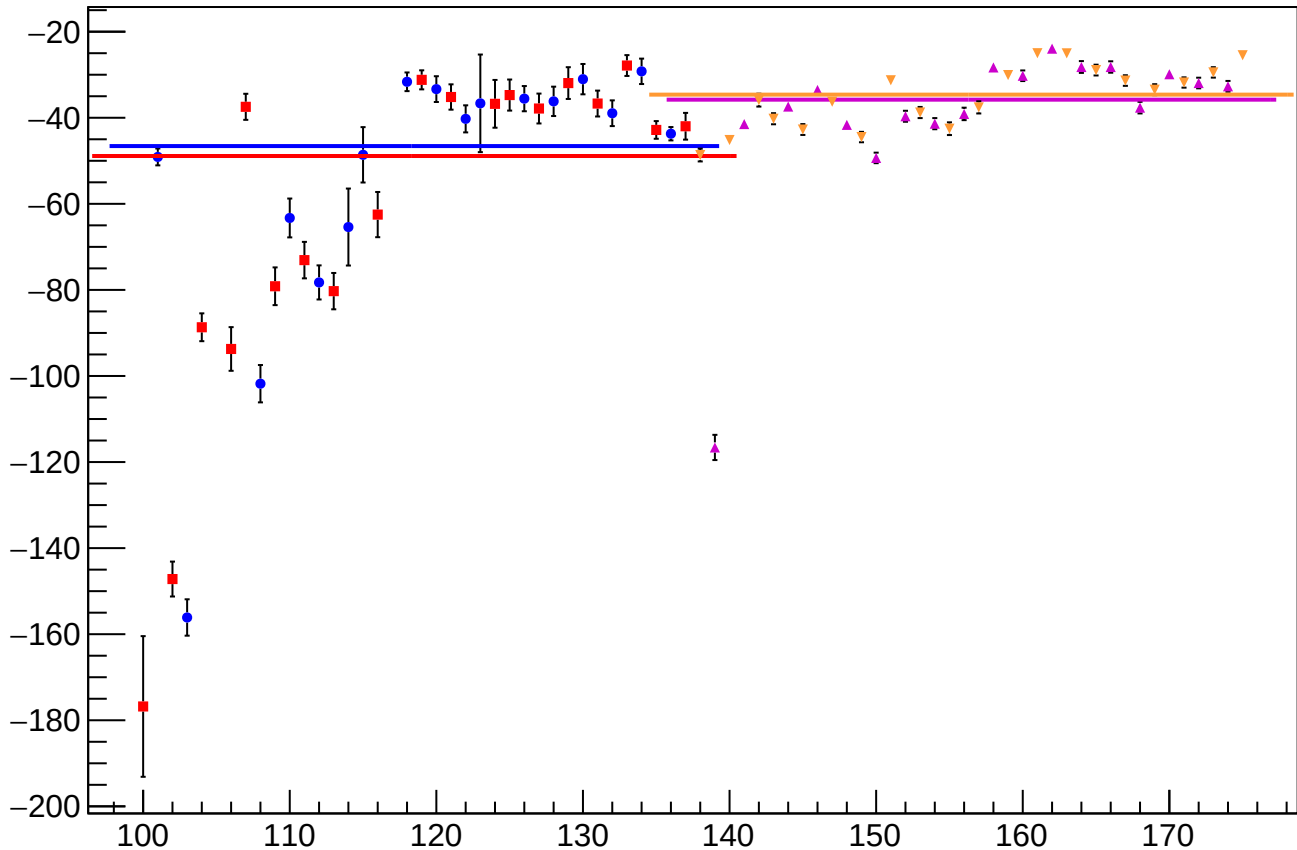
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -29.197 $\pm$ 0.390 χ^2 /NDF:406.3/17

Out: -31.459 $\pm$ 0.367 χ^2 /NDF:387.2/19

All: -30.395 $\pm$ 0.267 χ^2 /NDF: 811.4/37

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: -34.626 ± 0.274 $\chi^2/\text{NDF}: 640.0/19$

Right Out: -48.888 ± 0.763 $\chi^2/\text{NDF}: 1277.5/18$

Left In: -35.796 ± 0.291 $\chi^2/\text{NDF}: 1262.2/17$

Left: -35.176 ± 0.200 $\chi^2/\text{NDF}: 1910.8/37$

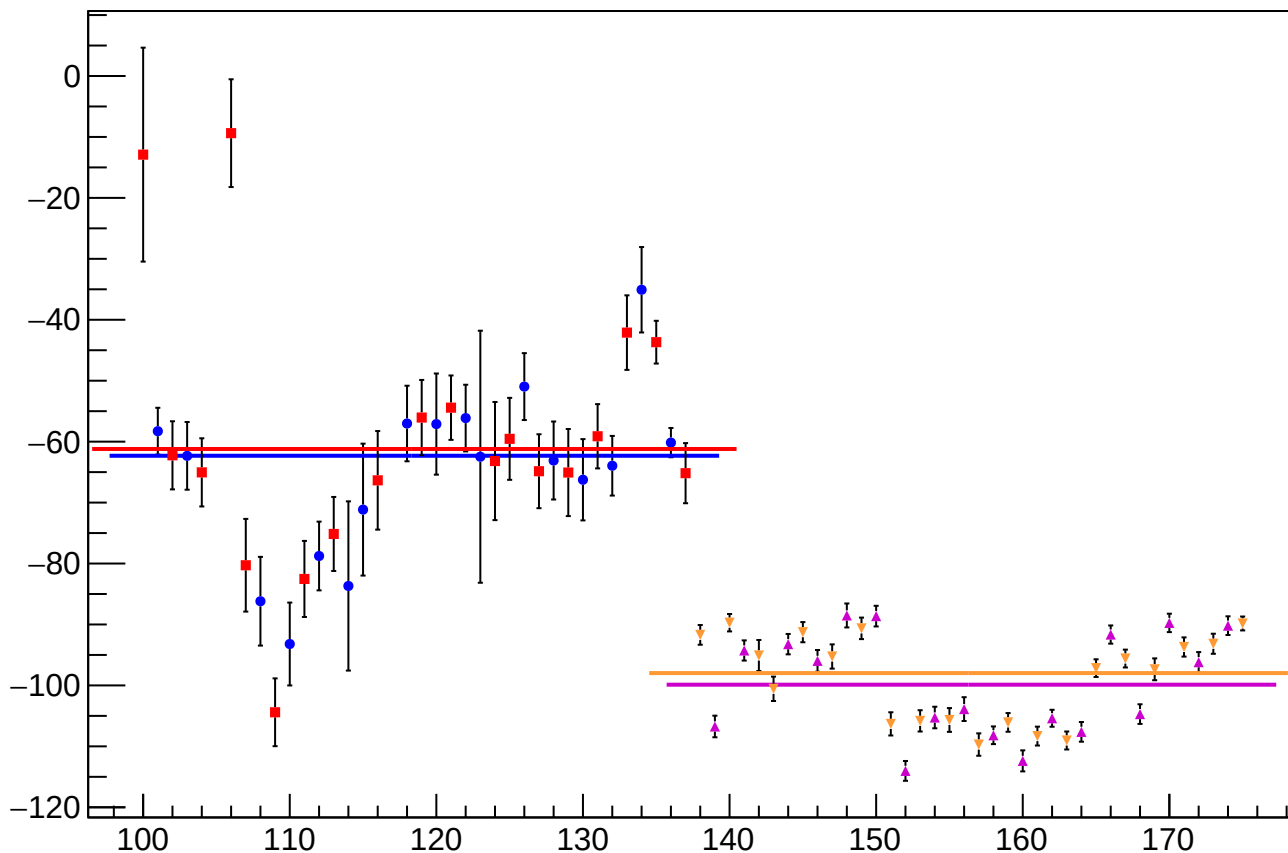
Right: -47.681 ± 0.527 $\chi^2/\text{NDF}: 2358.7/35$

In: -37.277 ± 0.270 $\chi^2/\text{NDF}: 2527.0/34$

Out: -36.256 ± 0.258 $\chi^2/\text{NDF}: 2226.6/38$

All: -36.743 ± 0.187 $\chi^2/\text{NDF}: 4761.1/73$

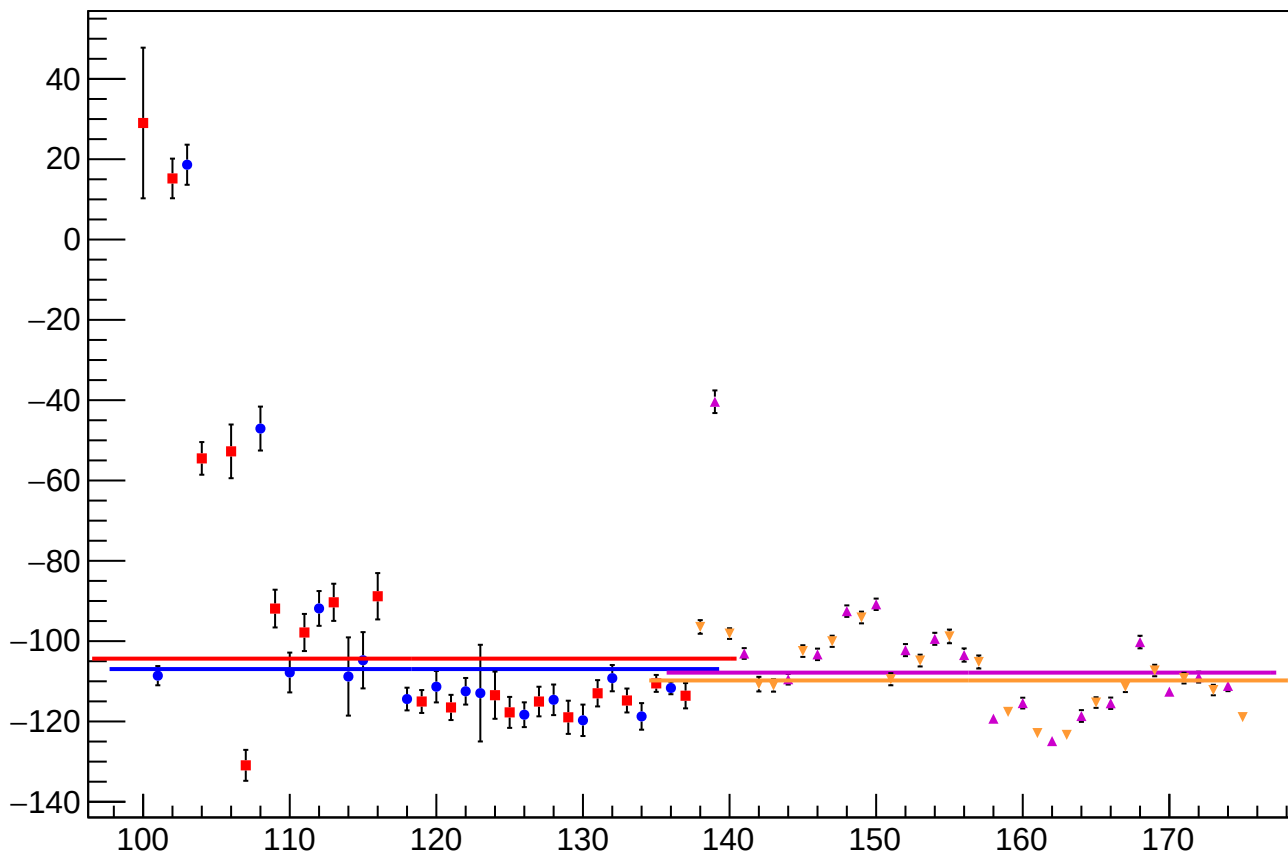
reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$
 Left Out: -97.975 ± 0.366 $\chi^2/\text{NDF}: 380.8/19$
 Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$
 Left In: -99.882 ± 0.387 $\chi^2/\text{NDF}: 466.7/17$

Left: -98.876 ± 0.266 $\chi^2/\text{NDF}: 860.4/37$
 Right: -61.786 ± 0.953 $\chi^2/\text{NDF}: 232.5/35$
 In: -96.896 ± 0.371 $\chi^2/\text{NDF}: 1284.4/34$
 Out: -95.562 ± 0.354 $\chi^2/\text{NDF}: 1208.3/38$
 All: -96.198 ± 0.256 $\chi^2/\text{NDF}: 2499.5/73$

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: -109.787 ± 0.312 $\chi^2/\text{NDF}: 759.6/19$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -107.841 ± 0.331 $\chi^2/\text{NDF}: 1369.9/17$

Left: -108.870 ± 0.227 $\chi^2/\text{NDF}: 2147.8/37$

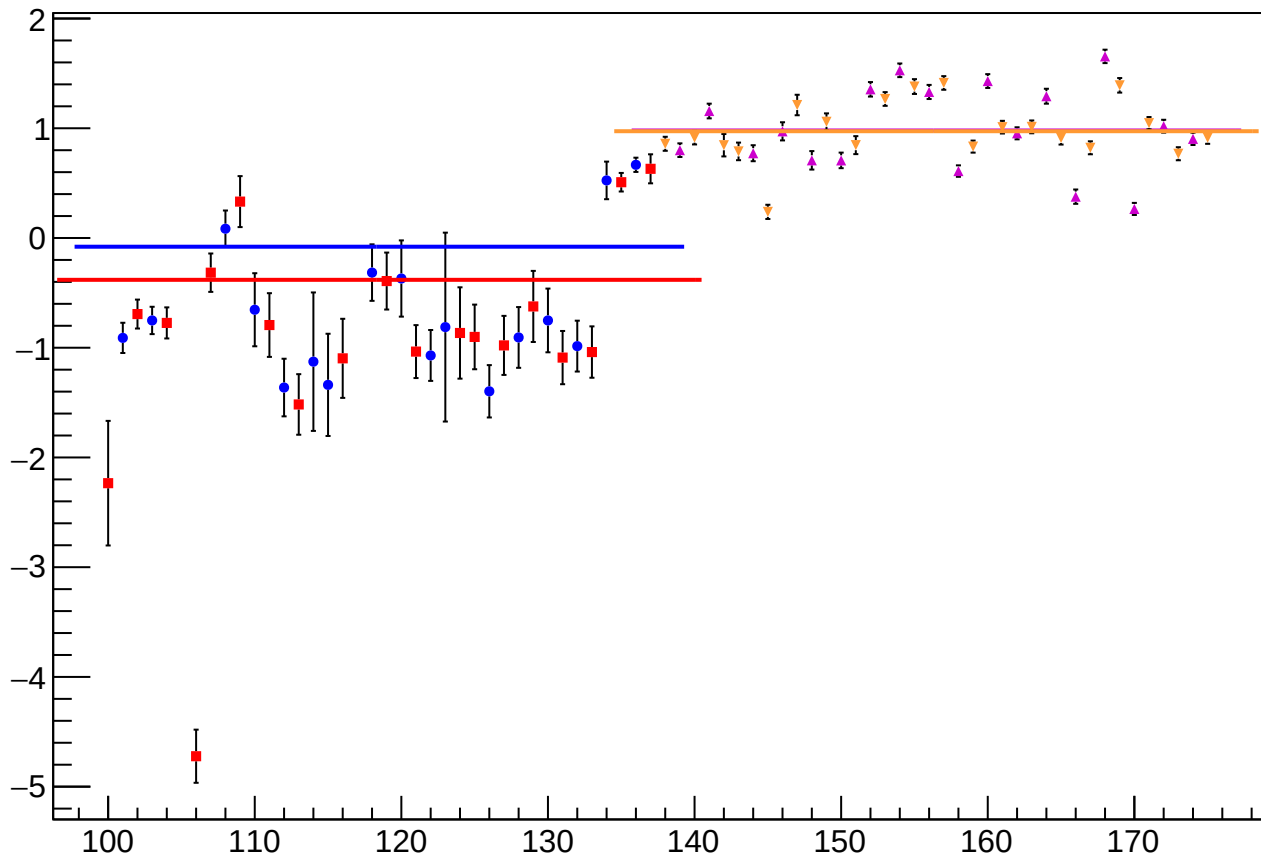
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -107.717 ± 0.306 $\chi^2/\text{NDF}: 2198.1/34$

Out: -109.157 ± 0.293 $\chi^2/\text{NDF}: 1815.7/38$

All: -108.468 ± 0.212 $\chi^2/\text{NDF}: 4025.4/73$

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: 0.973 ± 0.014 χ^2/NDF : 327.6/19

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 0.980 ± 0.015 χ^2/NDF : 689.1/17

Left: 0.976 ± 0.010 χ^2/NDF : 1016.7/37

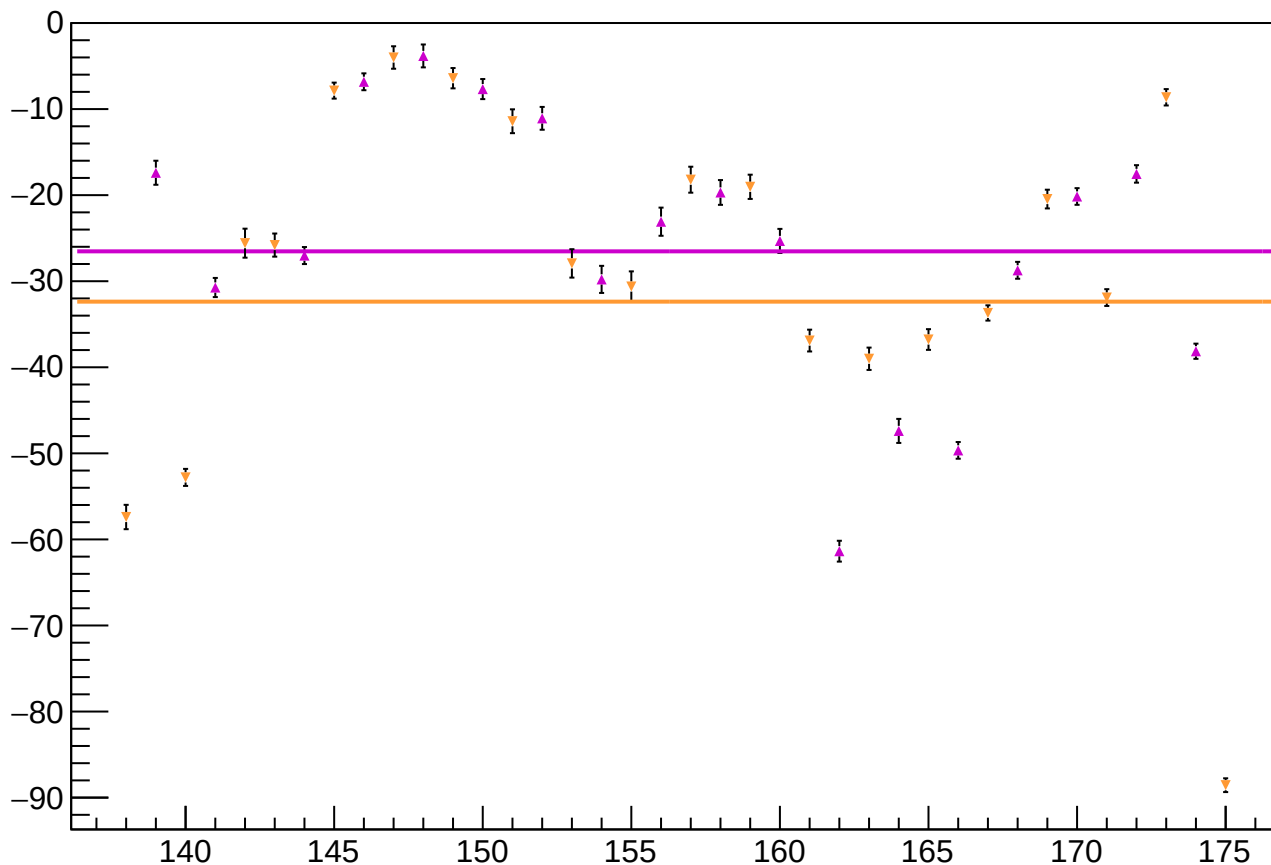
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.862 ± 0.014 χ^2/NDF : 1576.1/34

Out: 0.842 ± 0.014 χ^2/NDF : 1763.0/38

All: 0.852 ± 0.010 χ^2/NDF : 3340.2/73

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.374+/-0.260 χ^2/NDF :8574.5/19

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

Left In: -26.530+/-0.271 χ^2/NDF :3100.4/17

Left: -29.569+/-0.188 χ^2/NDF : 11917.1/37

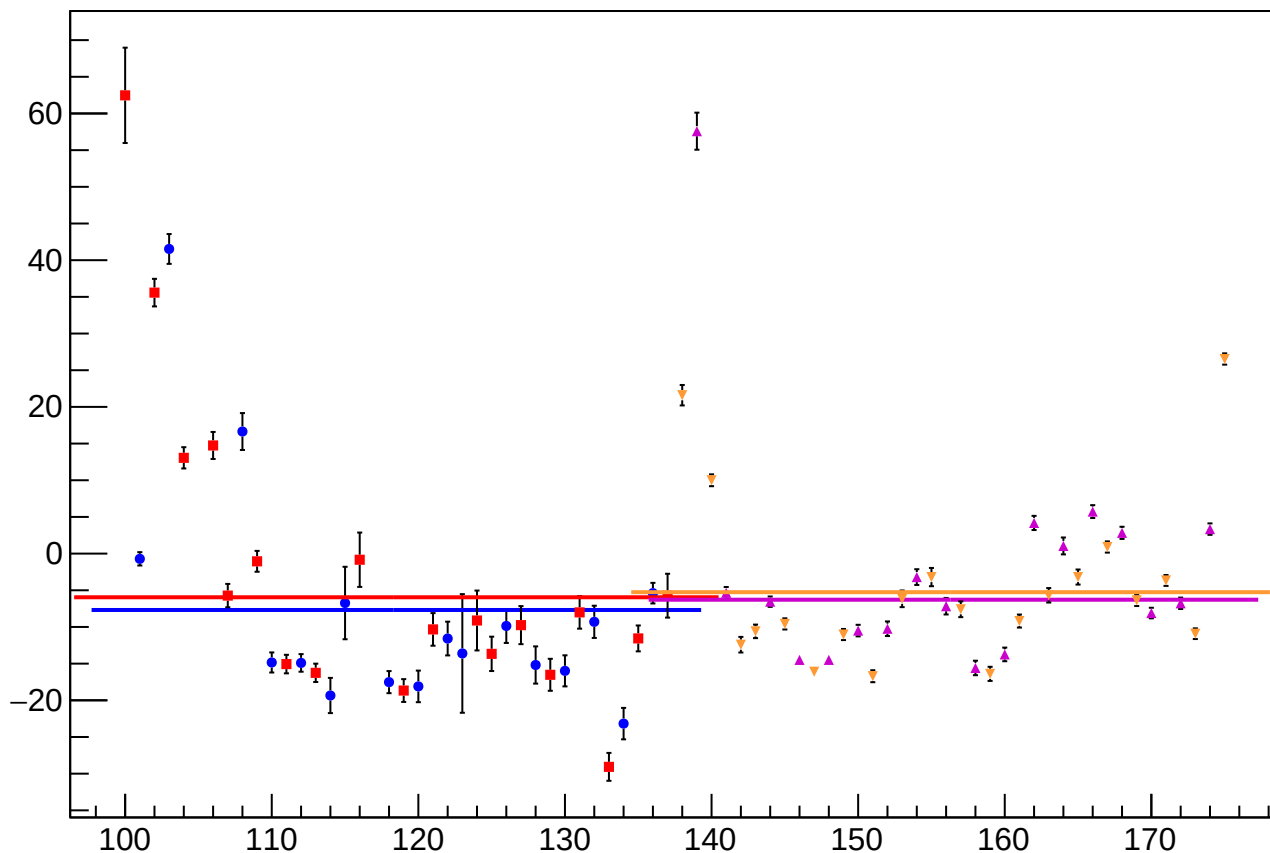
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.530+/-0.271 χ^2/NDF :3100.4/17

Out: -32.374+/-0.260 χ^2/NDF :8574.5/19

All: -29.569+/-0.188 χ^2/NDF : 11917.1/37

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -5.259 ± 0.192 χ^2/NDF : 3405.1/19

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

Left In: -6.288 ± 0.200 χ^2/NDF : 1808.6/17

Left: -5.754 ± 0.139 χ^2/NDF : 5227.4/37

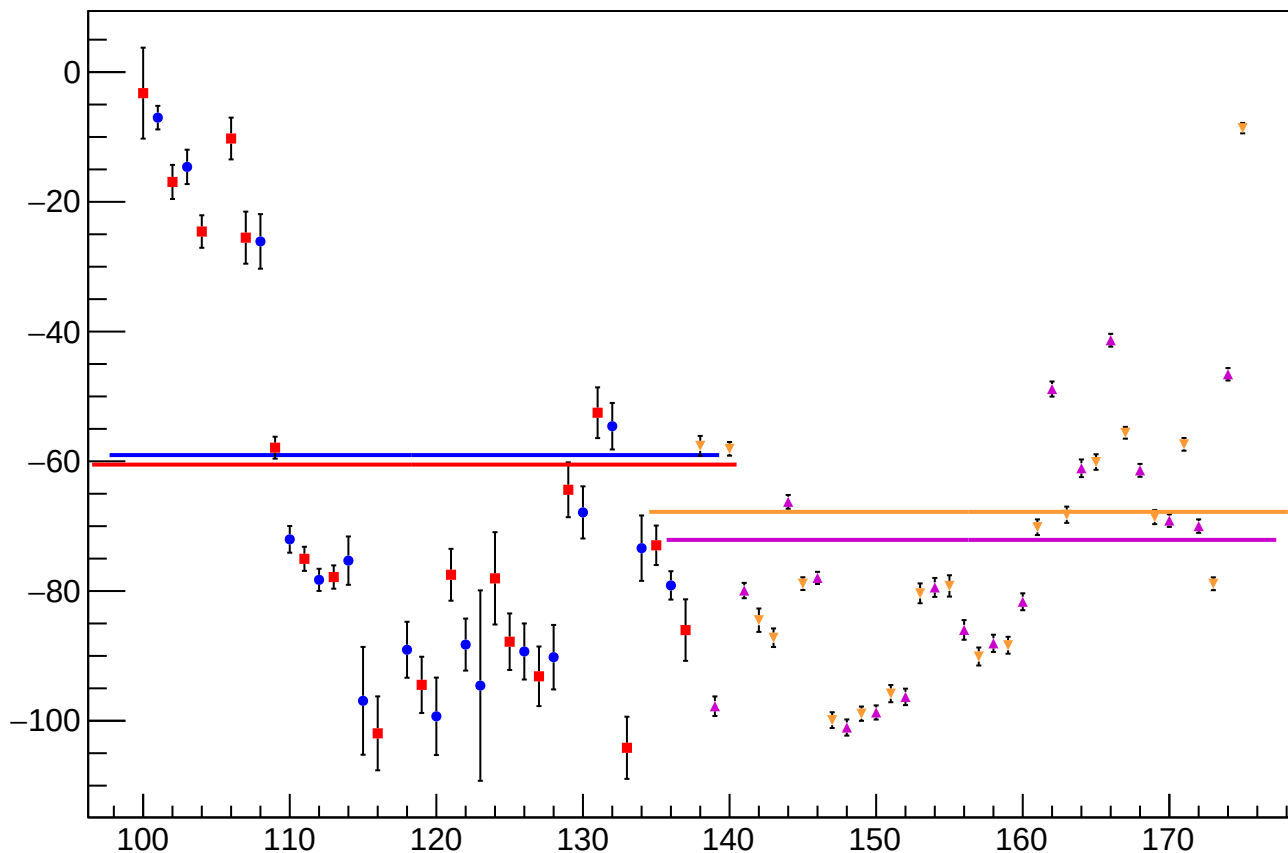
Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35

In: -6.536 ± 0.181 χ^2/NDF : 2793.3/34

Out: -5.376 ± 0.176 χ^2/NDF : 4705.3/38

All: -5.937 ± 0.126 χ^2/NDF : 7519.8/73

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 ± 0.746 $\chi^2/\text{NDF}: 1709.5/16$

Left Out: -67.793 ± 0.260 $\chi^2/\text{NDF}: 9004.7/19$

Right Out: -60.507 ± 0.704 $\chi^2/\text{NDF}: 1384.8/18$

Left In: -72.112 ± 0.270 $\chi^2/\text{NDF}: 4477.6/17$

Left: -69.870 ± 0.187 $\chi^2/\text{NDF}: 13615.2/37$

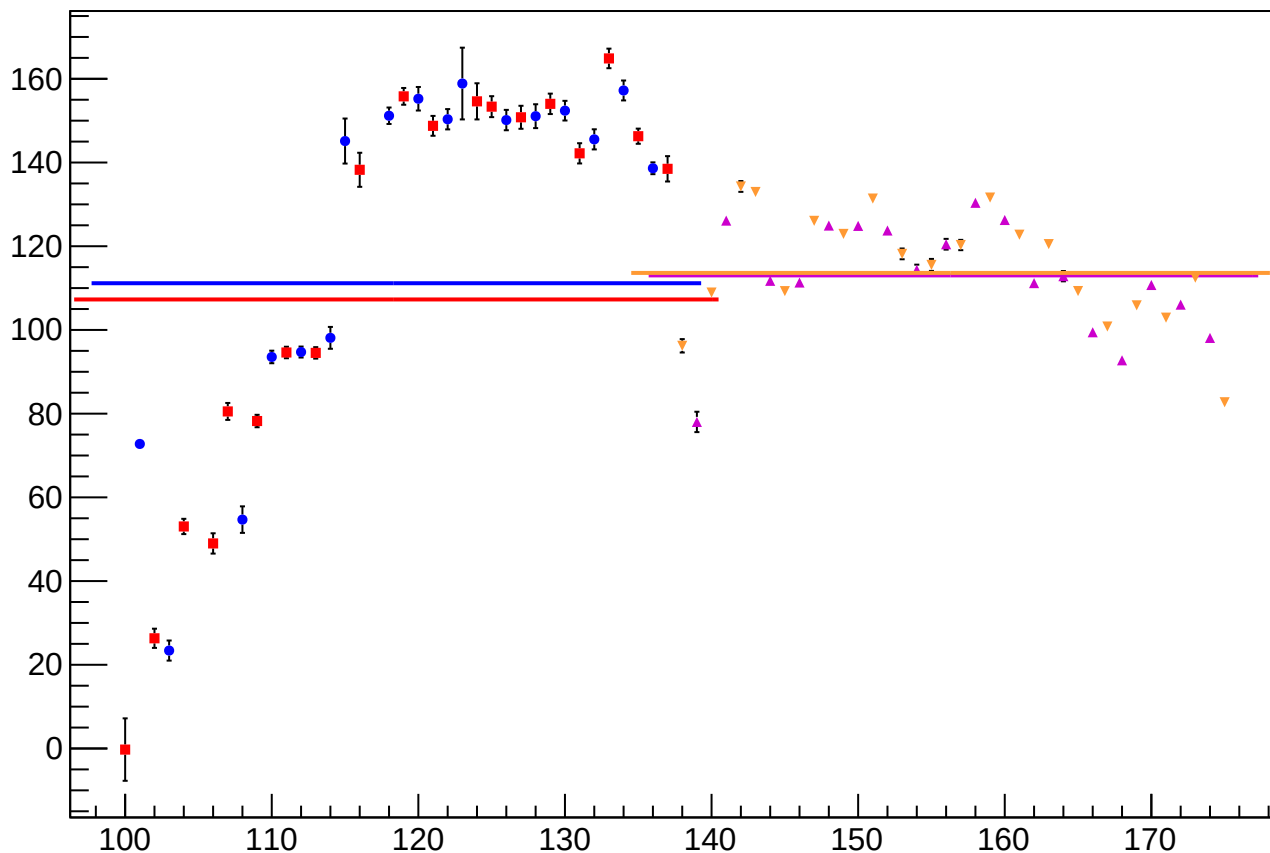
Right: -59.815 ± 0.512 $\chi^2/\text{NDF}: 3096.4/35$

In: -70.597 ± 0.254 $\chi^2/\text{NDF}: 6458.9/34$

Out: -66.920 ± 0.244 $\chi^2/\text{NDF}: 10483.7/38$

All: -68.685 ± 0.176 $\chi^2/\text{NDF}: 17051.8/73$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 113.625 $\pm$ 0.220 χ^2 /NDF:3787.0/19

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

Left In: 113.034 $\pm$ 0.229 χ^2 /NDF:2369.7/17

Left: 113.341 $\pm$ 0.159 χ^2 /NDF: 6160.2/37

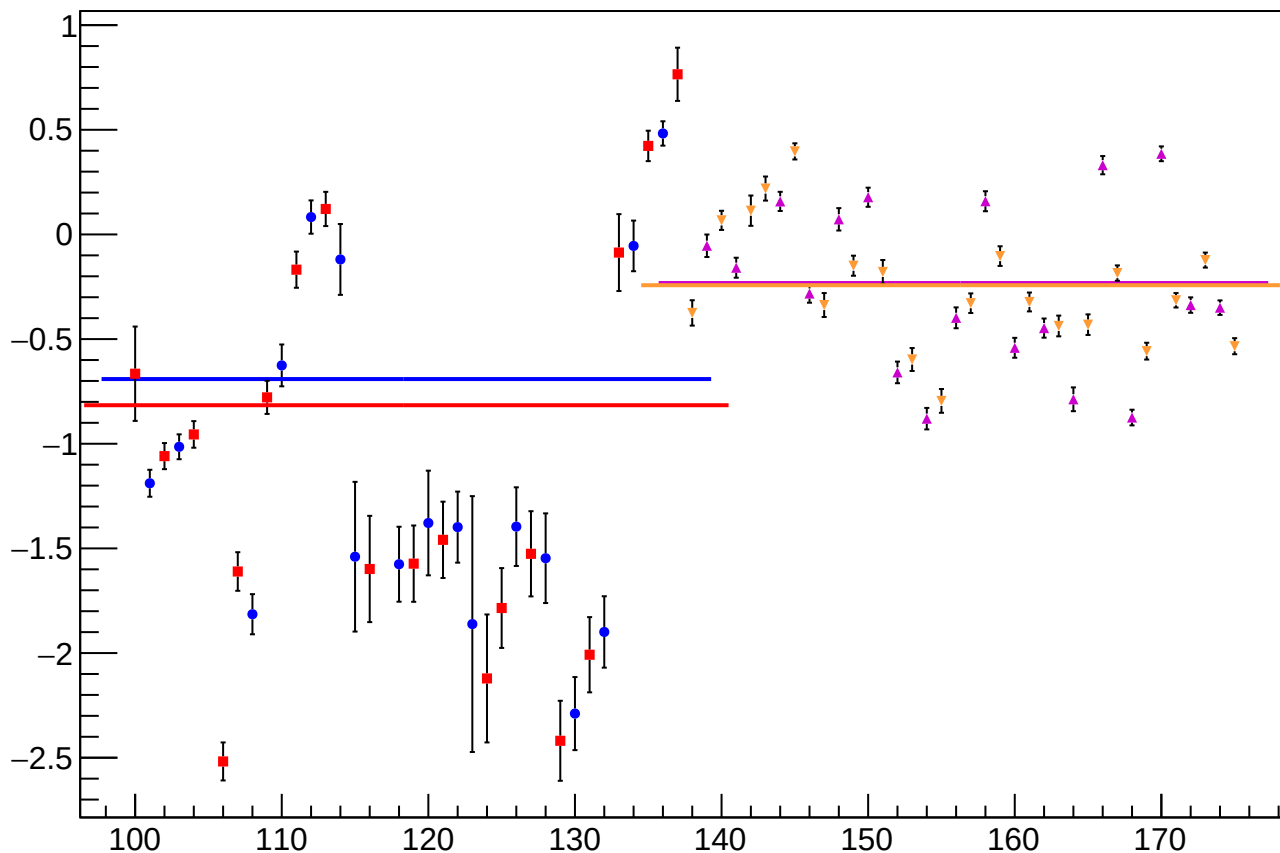
Right: 109.217 $\pm$ 0.345 χ^2 /NDF: 12964.2/35

In: 112.696 $\pm$ 0.208 χ^2 /NDF:8259.3/34

Out: 112.550 $\pm$ 0.201 χ^2 /NDF:10982.6/38

All: 112.621 $\pm$ 0.144 χ^2 /NDF: 19242.1/73

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: -0.243 ± 0.010 χ^2/NDF : 740.4/19

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

Left In: -0.232 ± 0.011 χ^2/NDF : 1452.8/17

Left: -0.237 ± 0.007 χ^2/NDF : 2193.7/37

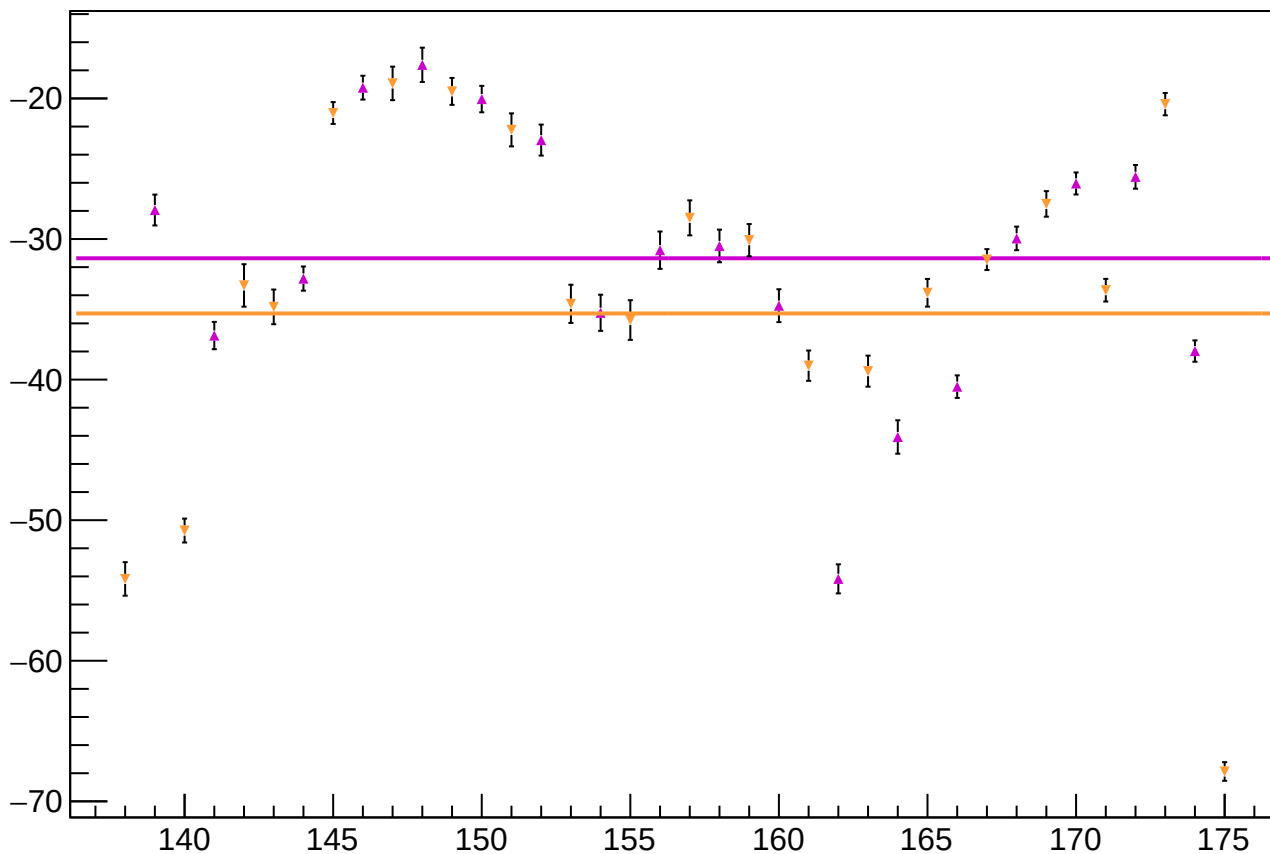
Right: -0.757 ± 0.018 χ^2/NDF : 2307.7/35

In: -0.297 ± 0.010 χ^2/NDF : 2714.6/34

Out: -0.329 ± 0.009 χ^2/NDF : 2515.1/38

All: -0.314 ± 0.007 χ^2/NDF : 5235.0/73

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



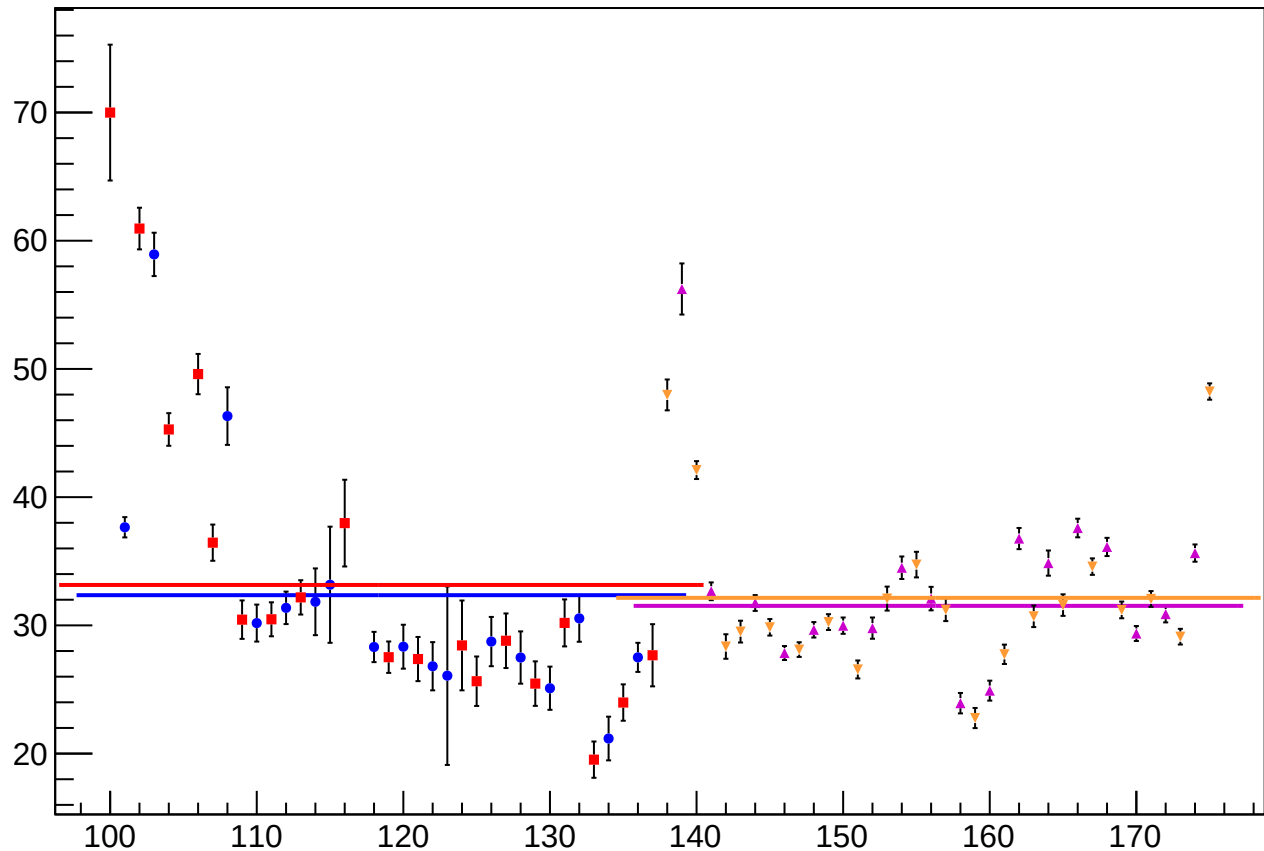
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -35.295+/-0.219 χ^2/NDF : 4456.9/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -31.370+/-0.228 χ^2/NDF : 1499.6/17

Left: -33.413+/-0.158 χ^2/NDF : 6111.1/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.370+/-0.228 χ^2/NDF : 1499.6/17
 Out: -35.295+/-0.219 χ^2/NDF : 4456.9/19

All: -33.413+/-0.158 χ^2/NDF : 6111.1/37

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: 32.147+/-0.163 χ^2 /NDF:1403.4/19

Right Out: 33.152+/-0.379 χ^2 /NDF: 772.0/18

Left In: 31.522+/-0.170 χ^2 /NDF:611.6/17

Left: 31.847+/-0.118 χ^2 /NDF: 2022.1/37

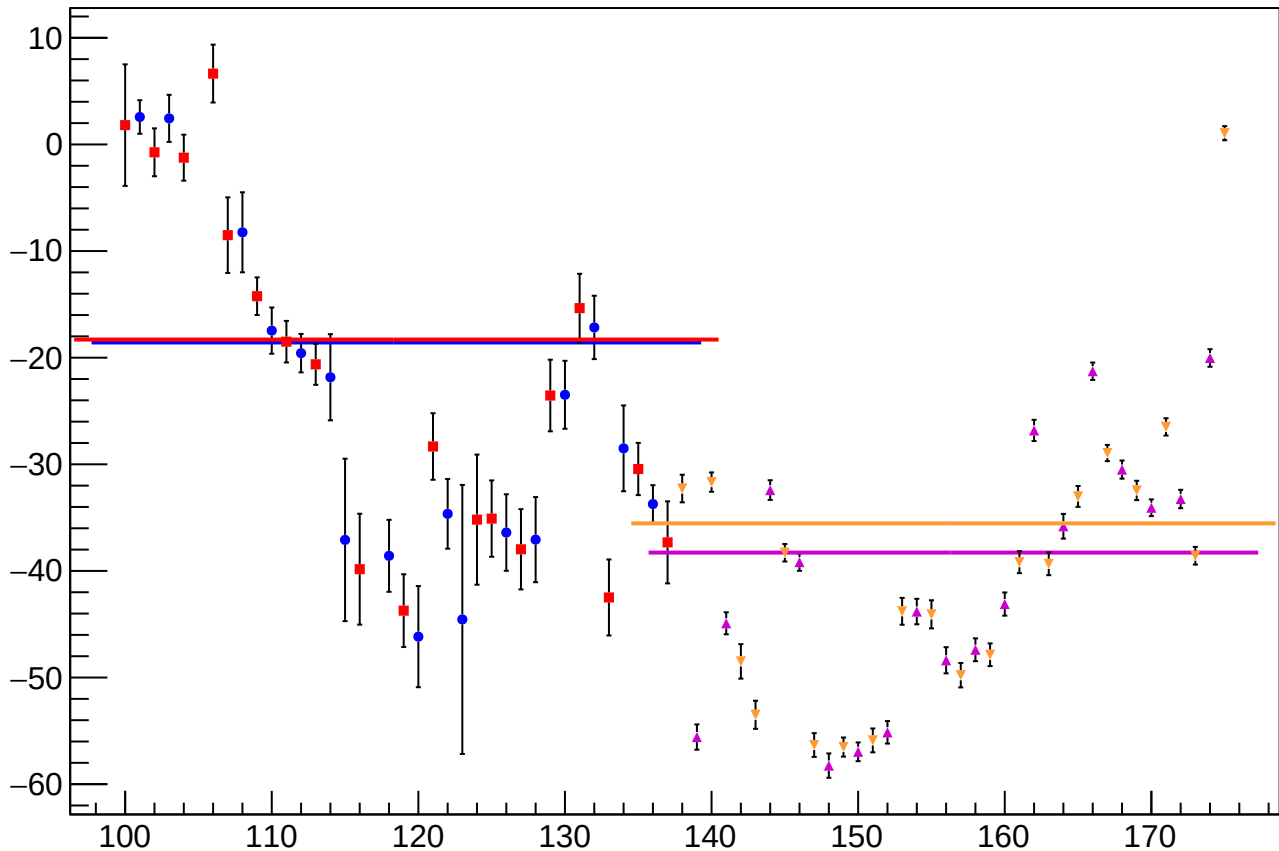
Right: 32.750+/-0.267 χ^2 /NDF: 1224.7/35

In: 31.664+/-0.155 χ^2 /NDF:1066.2/34

Out: 32.304+/-0.150 χ^2 /NDF:2181.3/38

All: 31.995+/-0.108 χ^2 /NDF: 3256.4/73

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: -35.537 ± 0.218 χ^2/NDF : 5196.5/19

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

Left In: -38.279 ± 0.227 χ^2/NDF : 2694.4/17

Left: -36.854 ± 0.157 χ^2/NDF : 7966.9/37

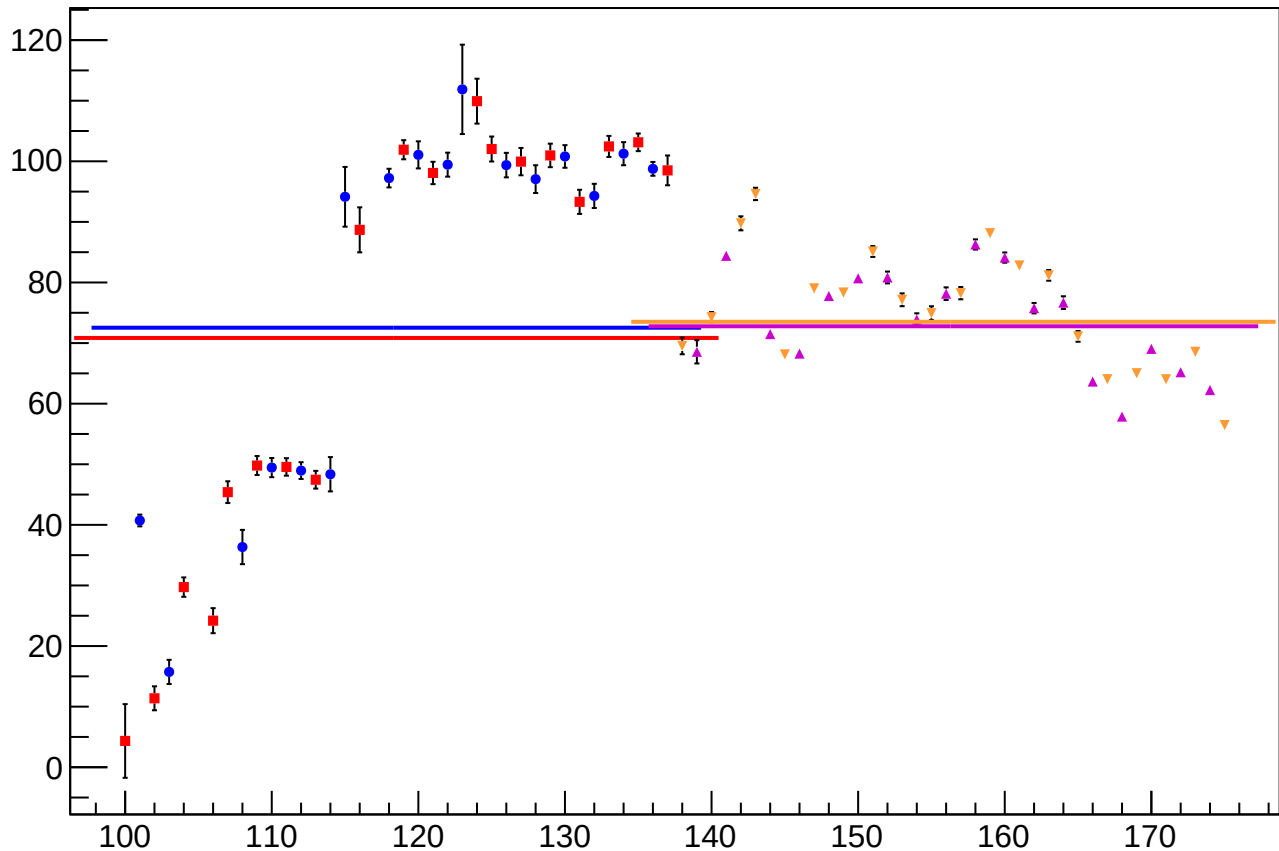
Right: -18.431 ± 0.463 χ^2/NDF : 984.9/35

In: -36.239 ± 0.215 χ^2/NDF : 3987.4/34

Out: -33.763 ± 0.207 χ^2/NDF : 6312.9/38

All: -34.953 ± 0.149 χ^2/NDF : 10369.3/73

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537 $\pm$ 0.428 χ^2 /NDF: 4684.1/16

Left Out: 73.516 $\pm$ 0.186 χ^2 /NDF: 2724.5/19

Right Out: 70.849 $\pm$ 0.433 χ^2 /NDF: 5500.2/18

Left In: 72.771 $\pm$ 0.194 χ^2 /NDF: 1789.5/17

Left: 73.159 $\pm$ 0.134 χ^2 /NDF: 4521.7/37

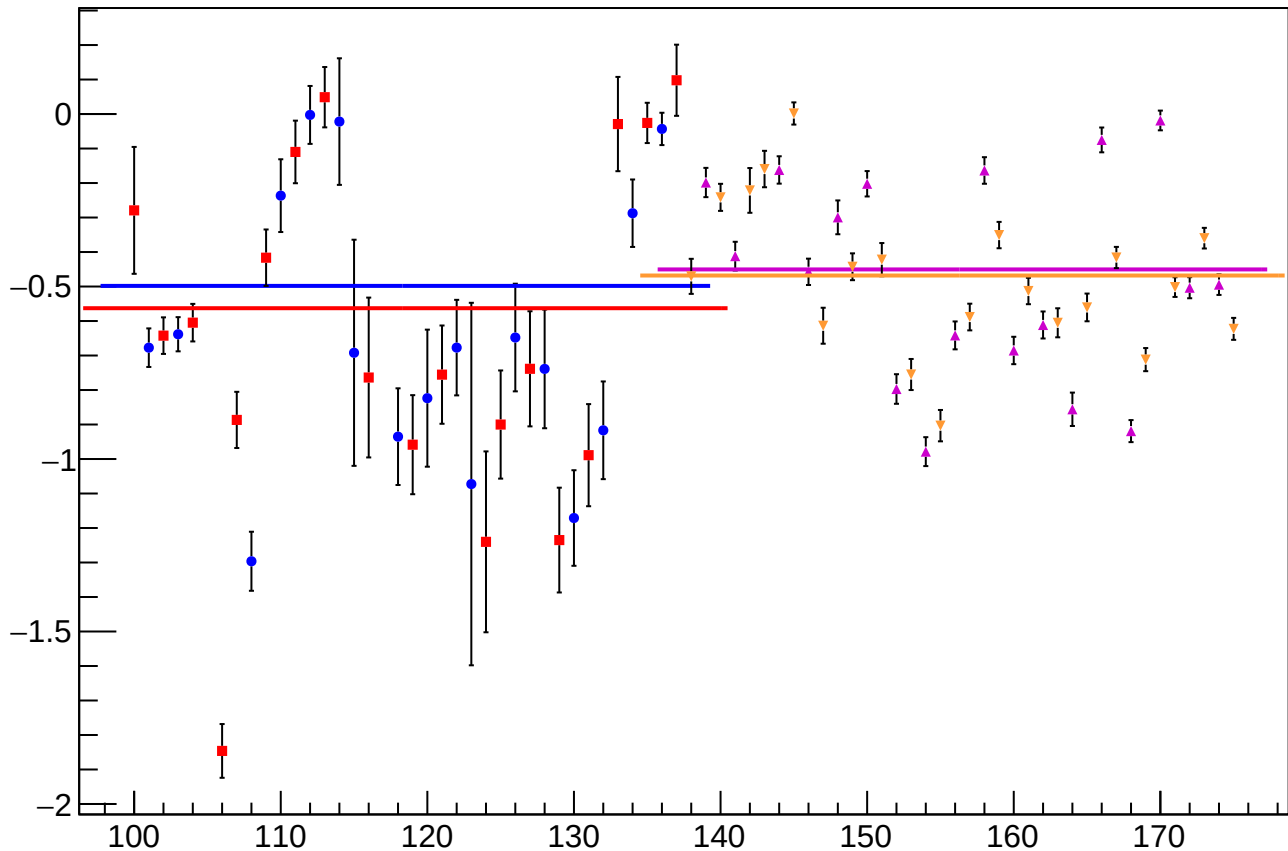
Right: 71.702 $\pm$ 0.305 χ^2 /NDF: 10192.0/35

In: 72.732 $\pm$ 0.177 χ^2 /NDF: 6473.8/34

Out: 73.101 $\pm$ 0.171 χ^2 /NDF: 8256.7/38

All: 72.923 $\pm$ 0.123 χ^2 /NDF: 14732.8/73

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: -0.468 ± 0.009 χ^2/NDF : 566.8/19

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.450 ± 0.009 χ^2/NDF : 1125.6/17

Left: -0.459 ± 0.006 χ^2/NDF : 1694.4/37

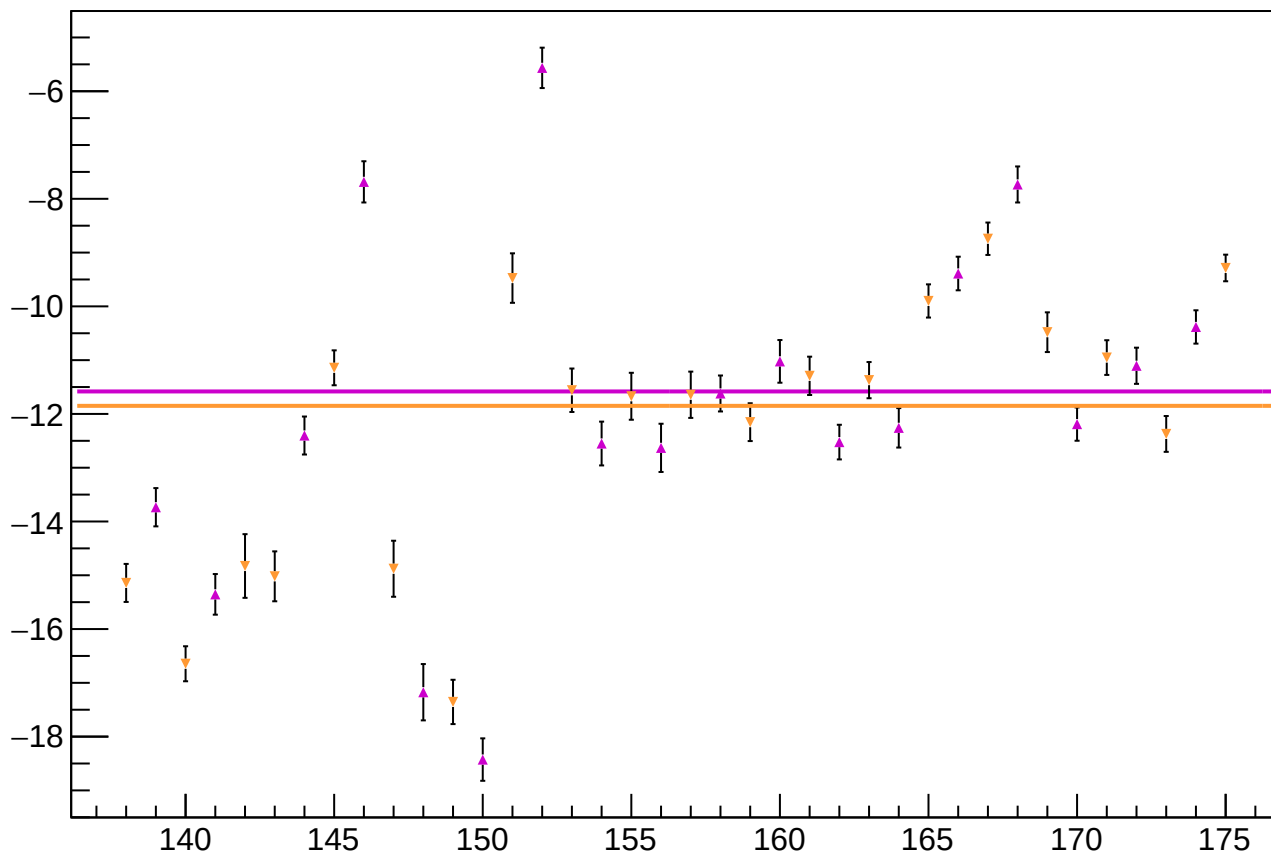
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.457 ± 0.008 χ^2/NDF : 1432.3/34

Out: -0.481 ± 0.008 χ^2/NDF : 1144.4/38

All: -0.469 ± 0.006 χ^2/NDF : 2581.2/73

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: -11.850 ± 0.081 χ^2/NDF : 903.5/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -11.582 ± 0.085 χ^2/NDF : 1144.0/17

Left: -11.723 ± 0.058 χ^2/NDF : 2052.7/37

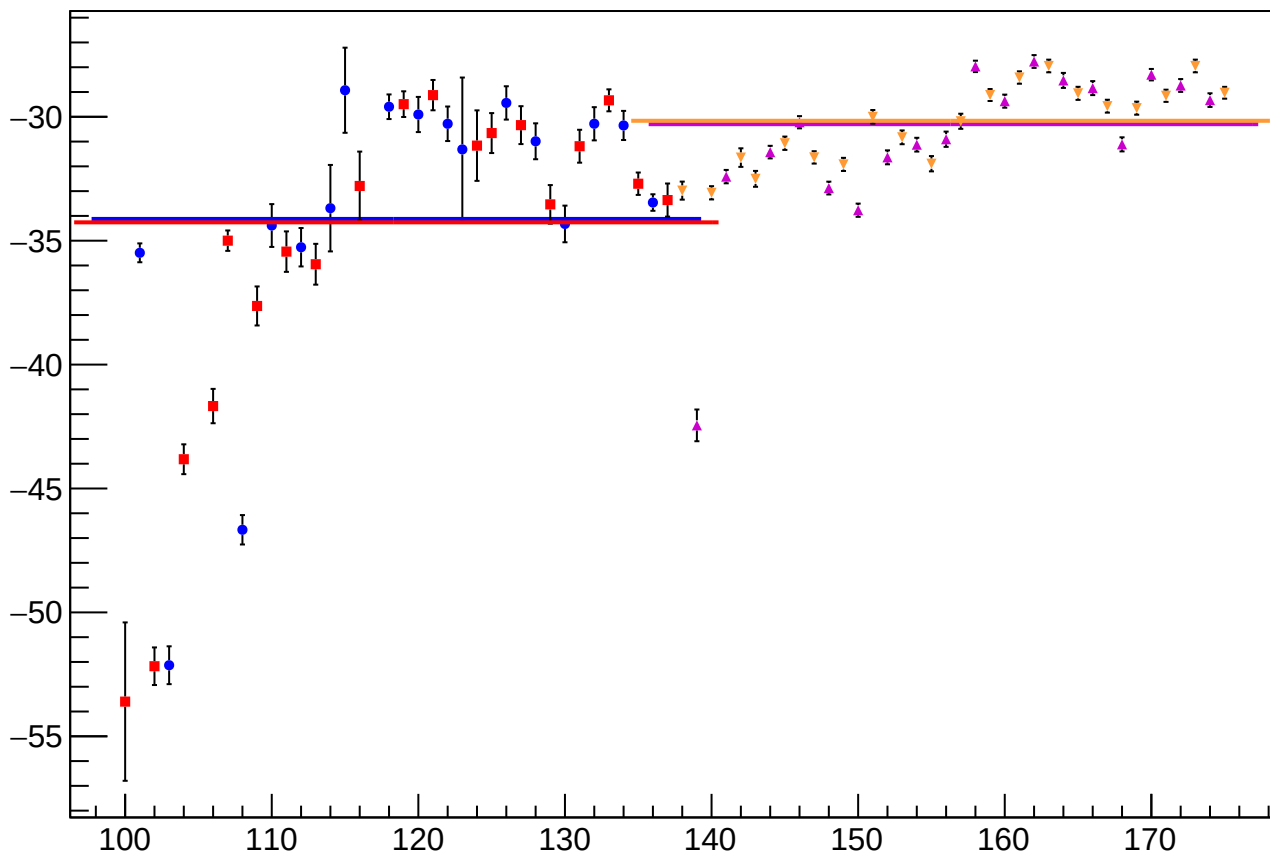
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -11.582 ± 0.085 χ^2/NDF : 1144.0/17

Out: -11.850 ± 0.081 χ^2/NDF : 903.5/19

All: -11.723 ± 0.058 χ^2/NDF : 2052.7/37

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -30.160 ± 0.061 $\chi^2/\text{NDF}: 656.8/19$

Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

Left In: -30.298 ± 0.064 $\chi^2/\text{NDF}: 1148.5/17$

Left: -30.226 ± 0.044 $\chi^2/\text{NDF}: 1807.8/37$

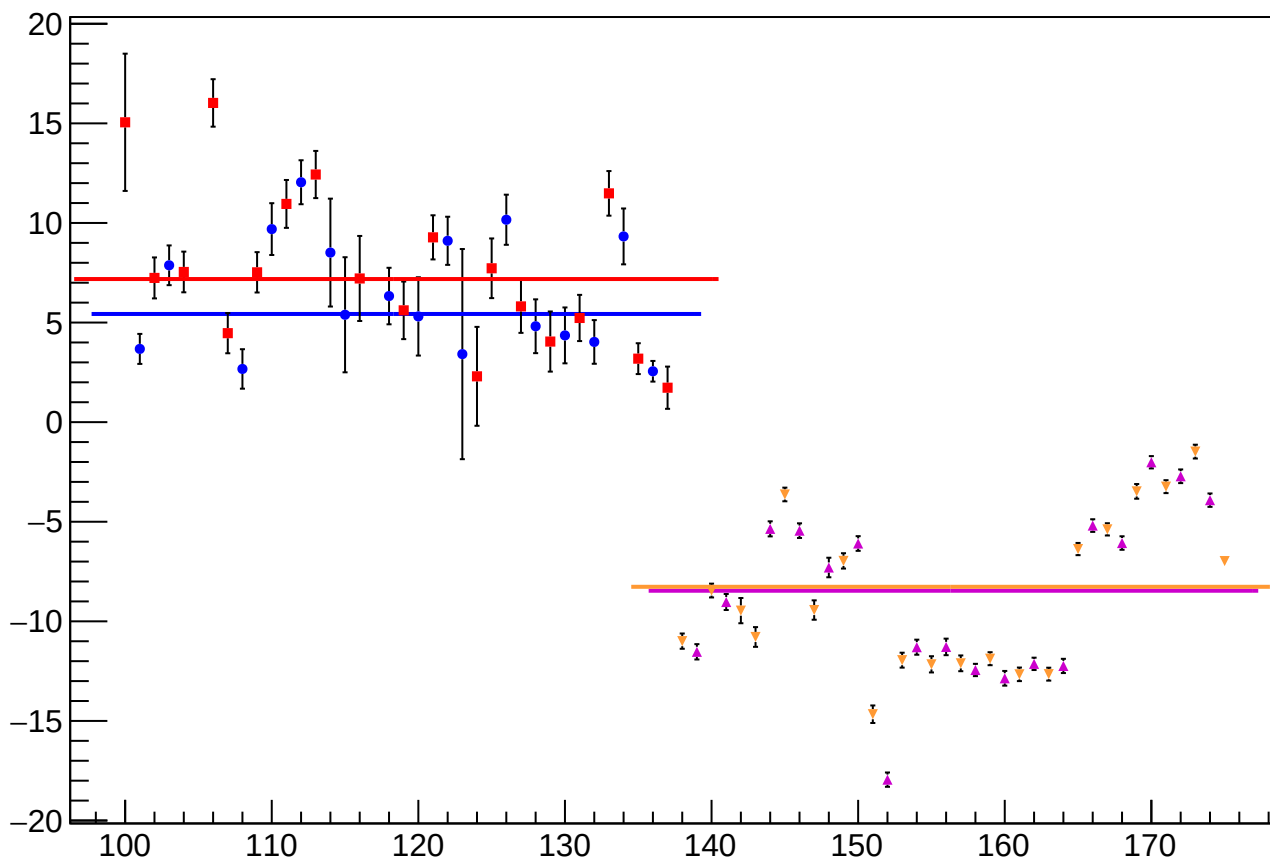
Right: -34.191 ± 0.107 $\chi^2/\text{NDF}: 2677.8/35$

In: -30.876 ± 0.059 $\chi^2/\text{NDF}: 3009.5/34$

Out: -30.733 ± 0.056 $\chi^2/\text{NDF}: 2647.3/38$

All: -30.801 ± 0.041 $\chi^2/\text{NDF}: 5659.9/73$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.266 ± 0.080 χ^2/NDF : 2189.3/19

Right Out: 7.185 ± 0.274 χ^2/NDF : 182.1/18

Left In: -8.464 ± 0.084 χ^2/NDF : 2658.9/17

Left: -8.360 ± 0.058 χ^2/NDF : 4851.1/37

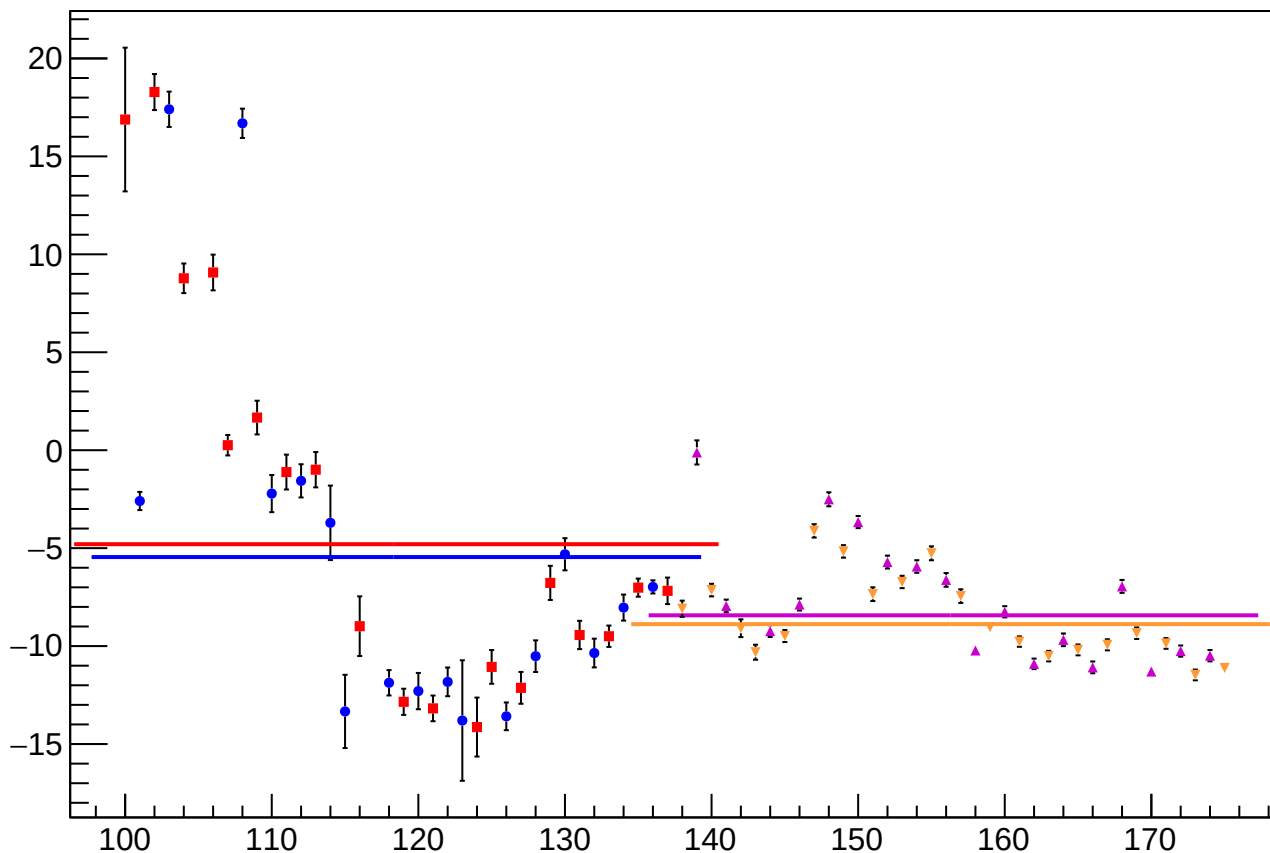
Right: 6.295 ± 0.193 χ^2/NDF : 334.8/35

In: -7.241 ± 0.080 χ^2/NDF : 5199.1/34

Out: -7.054 ± 0.077 χ^2/NDF : 5292.5/38

All: -7.144 ± 0.055 χ^2/NDF : 10494.4/73

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 $\chi^2/\text{NDF}: 2096.5/16$

Left Out: -8.879 ± 0.069 $\chi^2/\text{NDF}: 832.9/19$

Right Out: -4.798 ± 0.173 $\chi^2/\text{NDF}: 2047.4/18$

Left In: -8.429 ± 0.072 $\chi^2/\text{NDF}: 1334.0/17$

Left: -8.666 ± 0.050 $\chi^2/\text{NDF}: 2187.3/37$

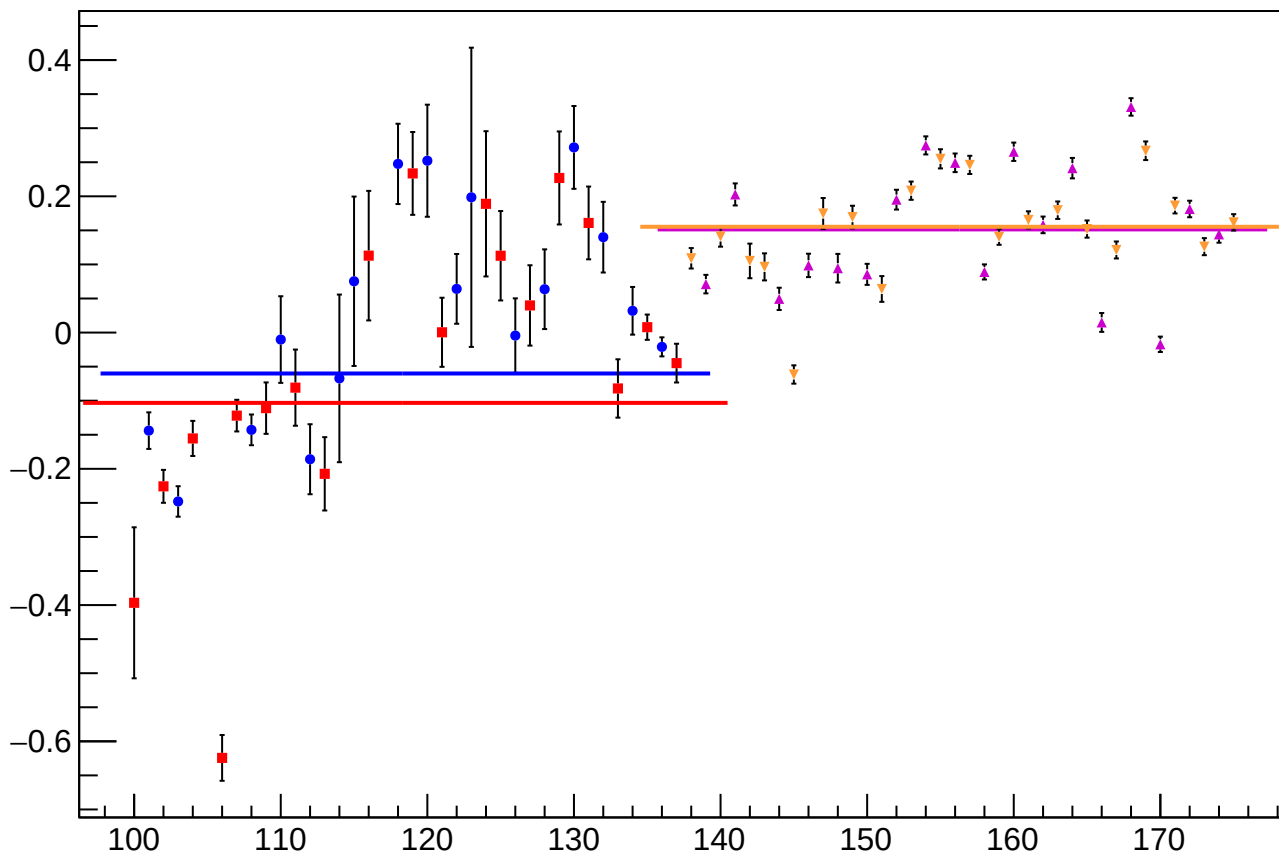
Right: -5.131 ± 0.122 $\chi^2/\text{NDF}: 4151.2/35$

In: -7.979 ± 0.066 $\chi^2/\text{NDF}: 3687.7/34$

Out: -8.325 ± 0.064 $\chi^2/\text{NDF}: 3361.7/38$

All: -8.159 ± 0.046 $\chi^2/\text{NDF}: 7063.5/73$

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: 0.155 ± 0.003 χ^2/NDF : 513.1/19

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

Left In: 0.151 ± 0.003 χ^2/NDF : 929.1/17

Left: 0.153 ± 0.002 χ^2/NDF : 1443.0/37

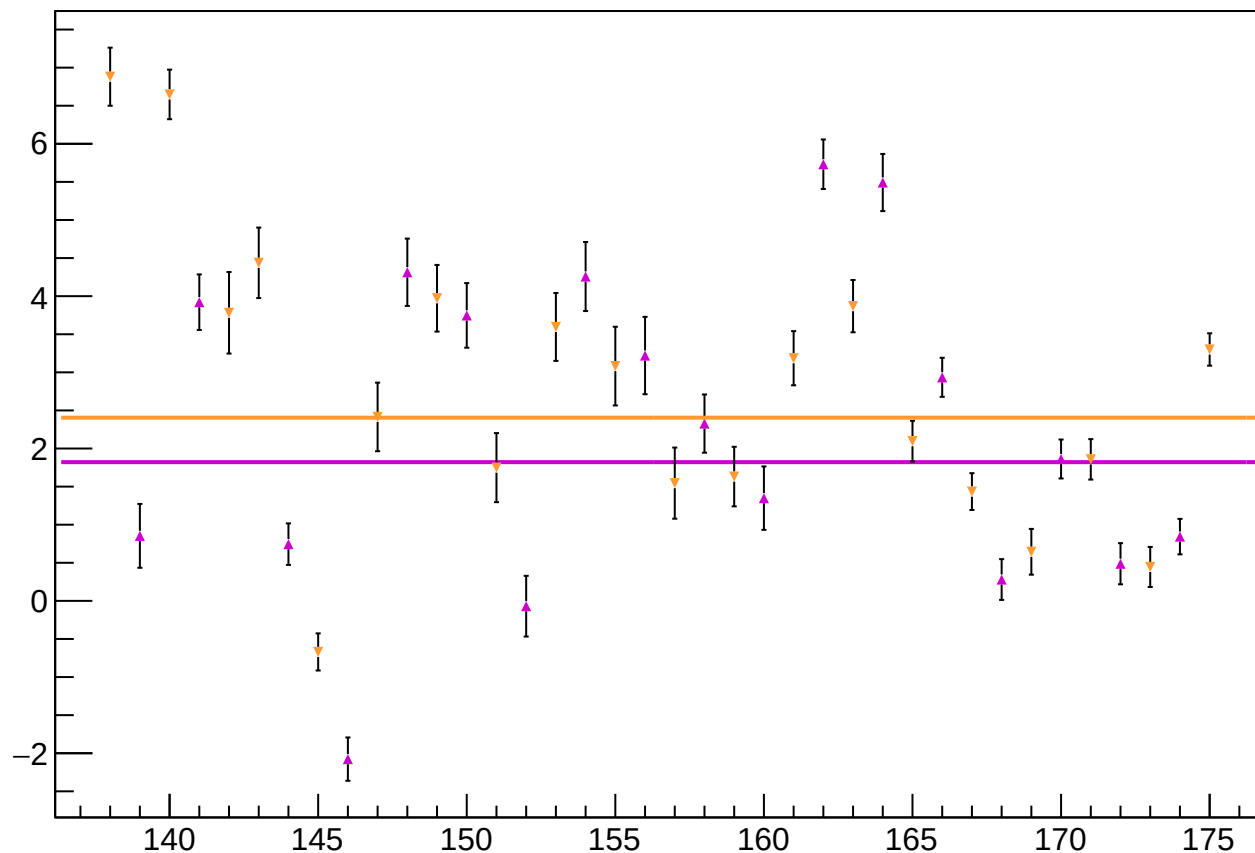
Right: -0.082 ± 0.006 χ^2/NDF : 662.9/35

In: 0.124 ± 0.003 χ^2/NDF : 1696.5/34

Out: 0.124 ± 0.003 χ^2/NDF : 1772.0/38

All: 0.124 ± 0.002 χ^2/NDF : 3468.5/73

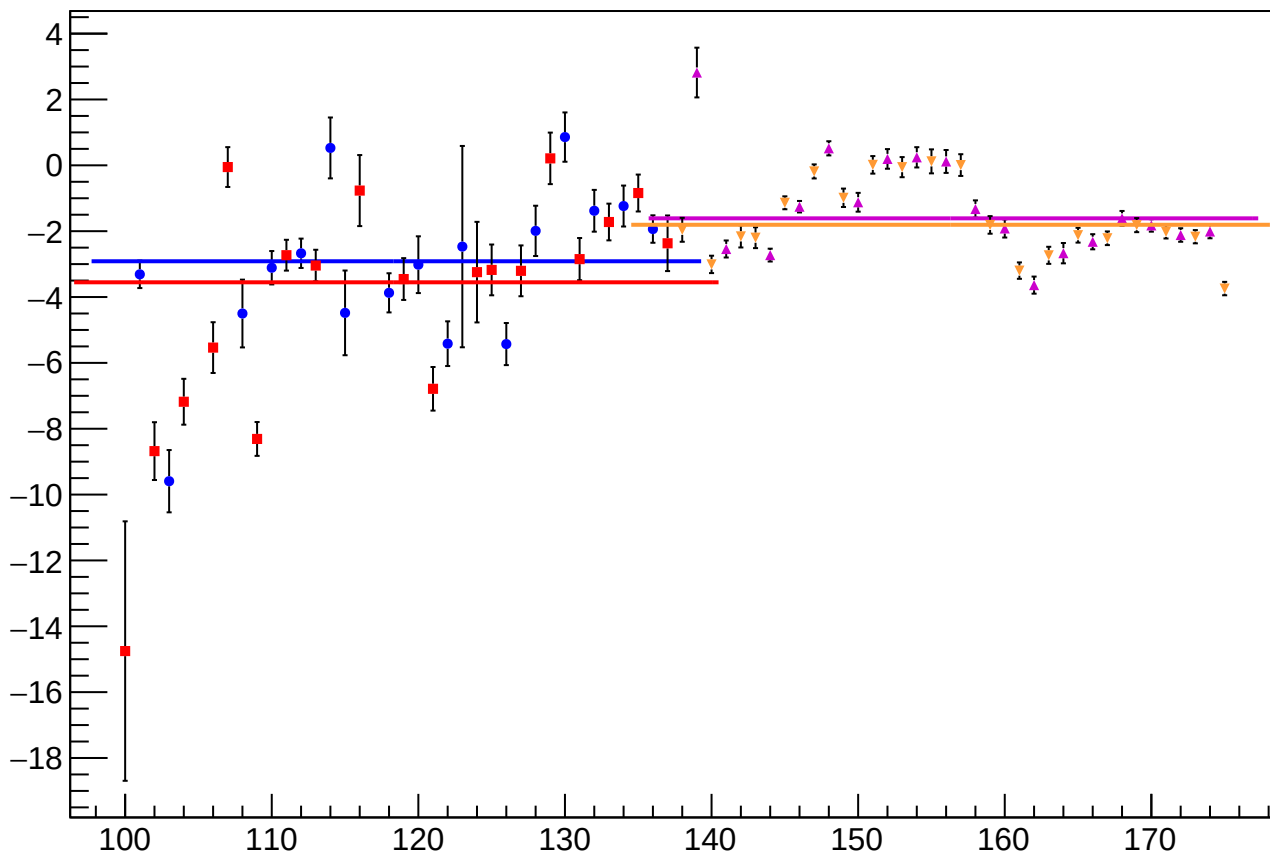
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.405 $\pm$ 0.073 χ^2 /NDF:676.6/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.821 $\pm$ 0.077 χ^2 /NDF:690.5/17

Left: 2.125 $\pm$ 0.053 χ^2 /NDF: 1397.4/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.821 $\pm$ 0.077 χ^2 /NDF:690.5/17
 Out: 2.405 $\pm$ 0.073 χ^2 /NDF:676.6/19
 All: 2.125 $\pm$ 0.053 χ^2 /NDF: 1397.4/37

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: -1.805 ± 0.055 $\chi^2/\text{NDF}: 383.7/19$

Right Out: -3.553 ± 0.155 $\chi^2/\text{NDF}: 290.9/18$

Left In: -1.610 ± 0.057 $\chi^2/\text{NDF}: 378.2/17$

Left: -1.711 ± 0.040 $\chi^2/\text{NDF}: 768.0/37$

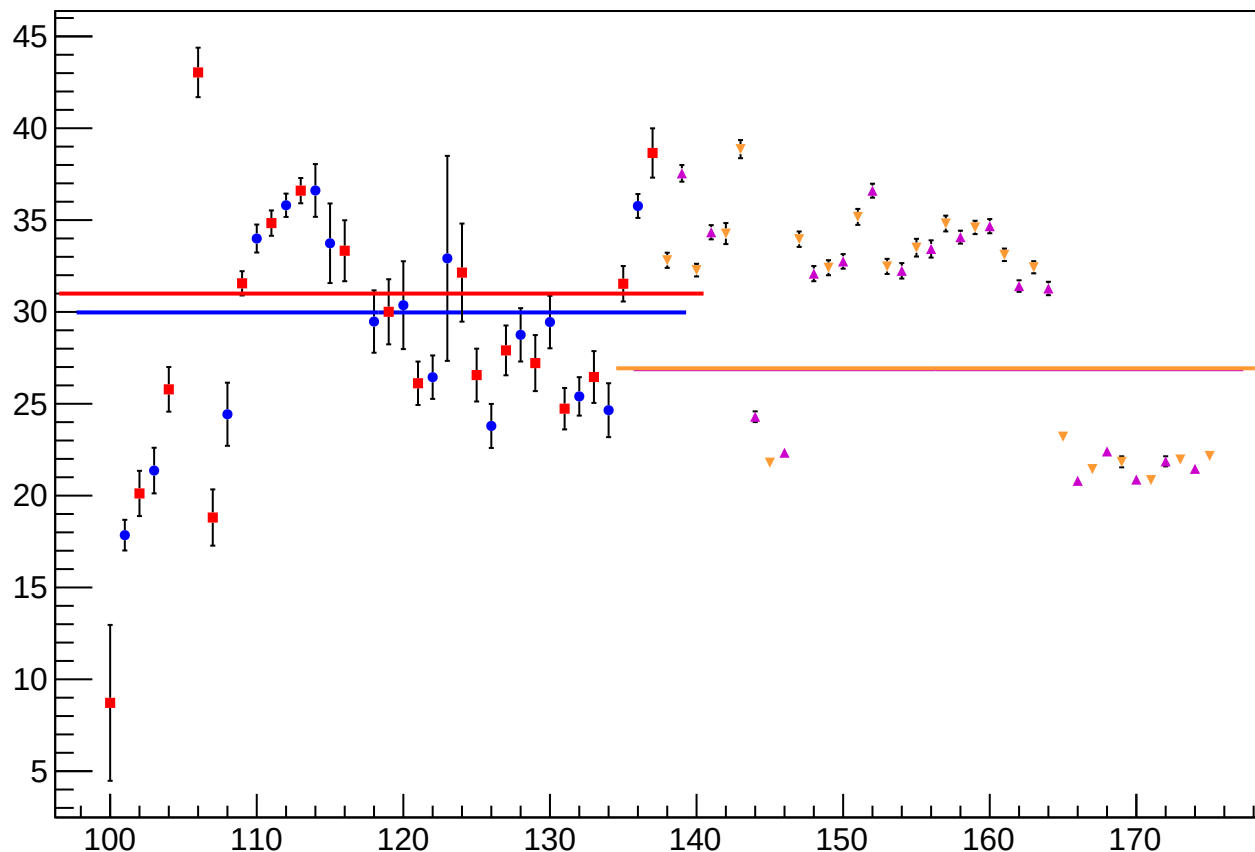
Right: -3.234 ± 0.109 $\chi^2/\text{NDF}: 445.5/35$

In: -1.767 ± 0.054 $\chi^2/\text{NDF}: 586.7/34$

Out: -2.004 ± 0.052 $\chi^2/\text{NDF}: 787.8/38$

All: -1.889 ± 0.037 $\chi^2/\text{NDF}: 1384.6/73$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 26.931 $\pm$ 0.073 χ^2 /NDF: 6480.1/19

Right Out: 30.999 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 26.882 $\pm$ 0.077 χ^2 /NDF: 5991.1/17

Left: 26.908 $\pm$ 0.053 χ^2 /NDF: 12471.4/37

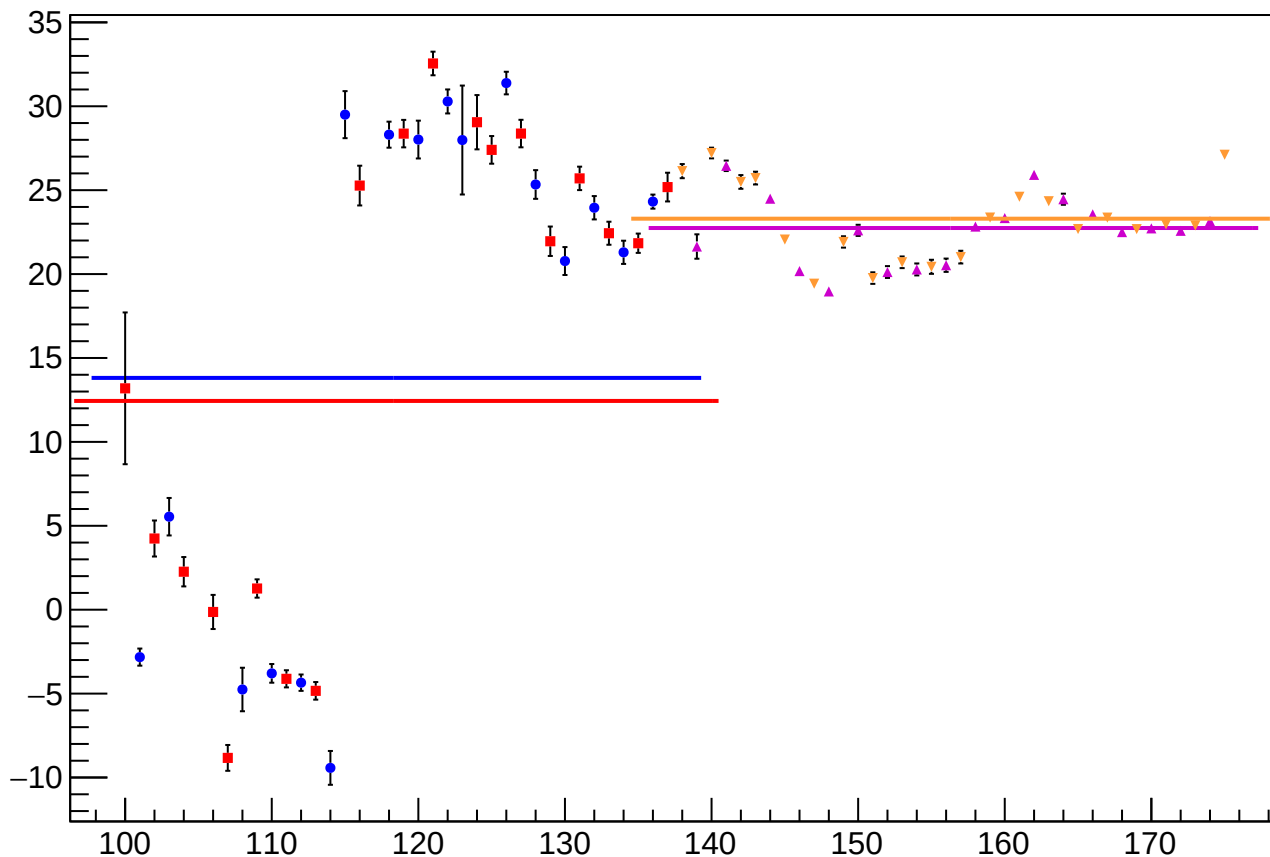
Right: 30.500 $\pm$ 0.186 χ^2 /NDF: 1041.4/35

In: 27.116 $\pm$ 0.074 χ^2 /NDF: 6669.0/34

Out: 27.232 $\pm$ 0.071 χ^2 /NDF: 7186.1/38

All: 27.177 $\pm$ 0.051 χ^2 /NDF: 13856.4/73

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: 23.301 $\pm$ 0.063 χ^2 /NDF:1104.0/19

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

Left In: 22.745 $\pm$ 0.065 χ^2 /NDF:814.1/17

Left: 23.034 $\pm$ 0.045 χ^2 /NDF: 1956.1/37

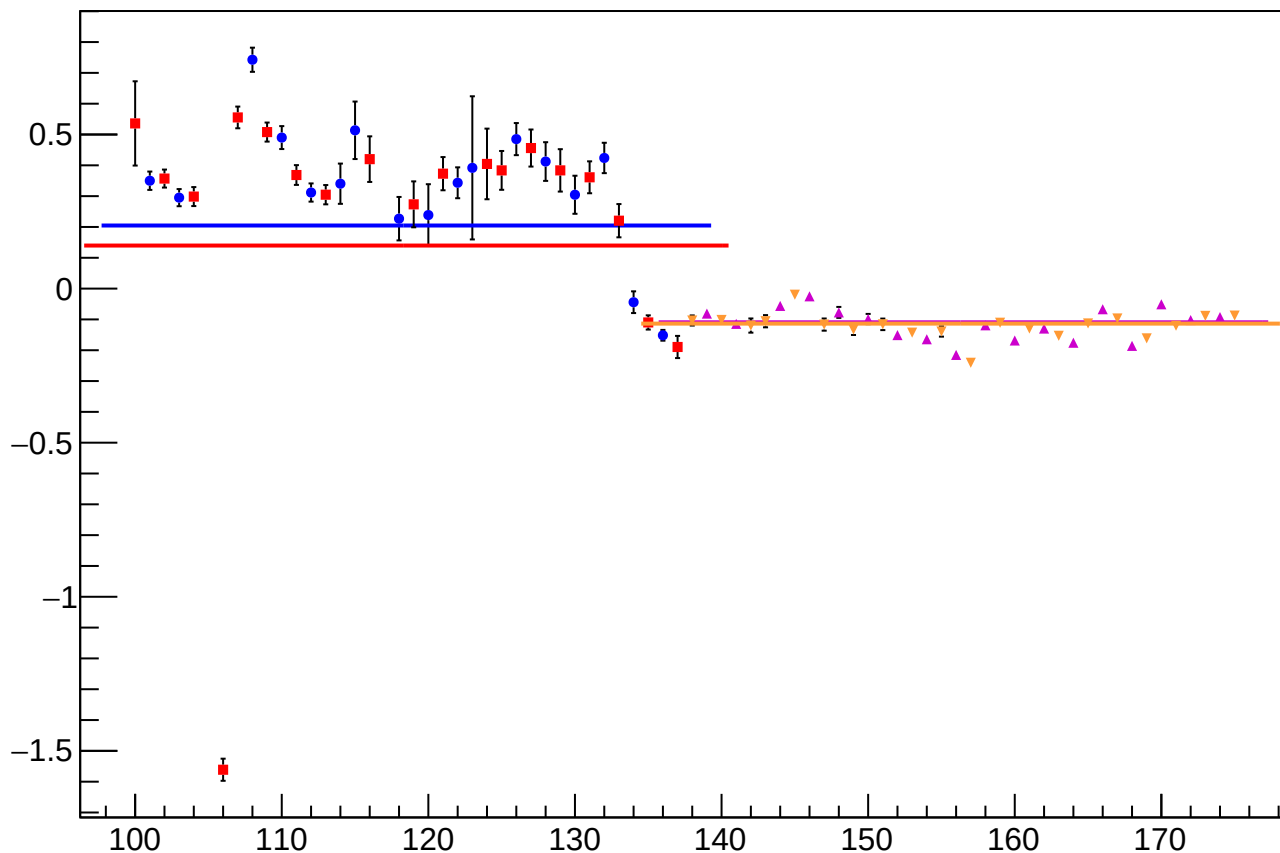
Right: 13.131 $\pm$ 0.122 χ^2 /NDF: 14320.3/35

In: 21.635 $\pm$ 0.061 χ^2 /NDF:10475.9/34

Out: 22.052 $\pm$ 0.059 χ^2 /NDF:11533.3/38

All: 21.850 $\pm$ 0.042 χ^2 /NDF: 22033.5/73

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: -0.114 ± 0.003 $\chi^2/\text{NDF}: 216.1/19$

Right Out: 0.140 ± 0.009 $\chi^2/\text{NDF}: 3014.2/18$

Left In: -0.109 ± 0.003 $\chi^2/\text{NDF}: 288.8/17$

Left: -0.112 ± 0.002 $\chi^2/\text{NDF}: 506.0/37$

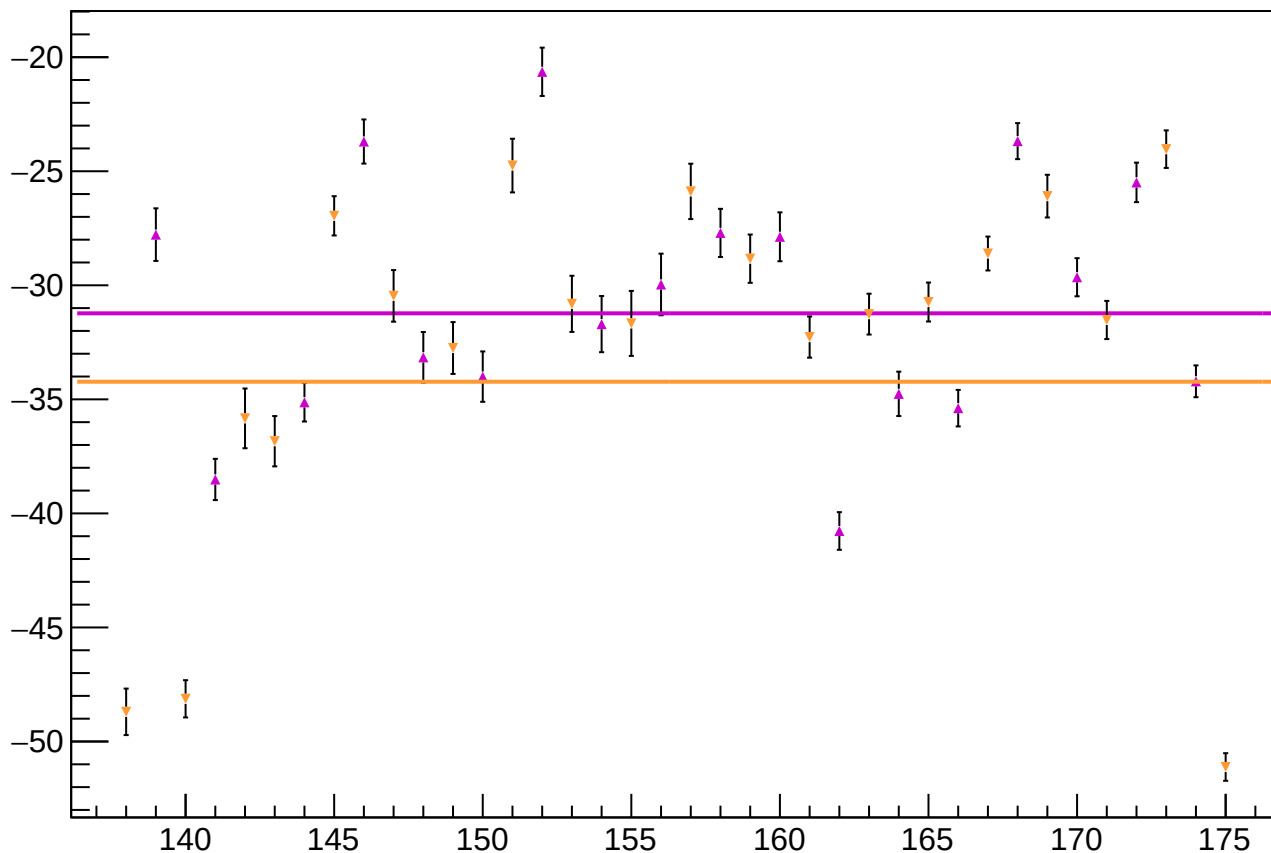
Right: 0.172 ± 0.007 $\chi^2/\text{NDF}: 3884.5/35$

In: -0.081 ± 0.003 $\chi^2/\text{NDF}: 2154.2/34$

Out: -0.091 ± 0.003 $\chi^2/\text{NDF}: 3919.0/38$

All: -0.086 ± 0.002 $\chi^2/\text{NDF}: 6079.9/73$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -34.227 $\pm$ 0.210 χ^2/NDF :1839.5/19

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -31.229 $\pm$ 0.221 χ^2/NDF :618.1/17

Left: -32.804 $\pm$ 0.152 χ^2/NDF : 2554.2/37

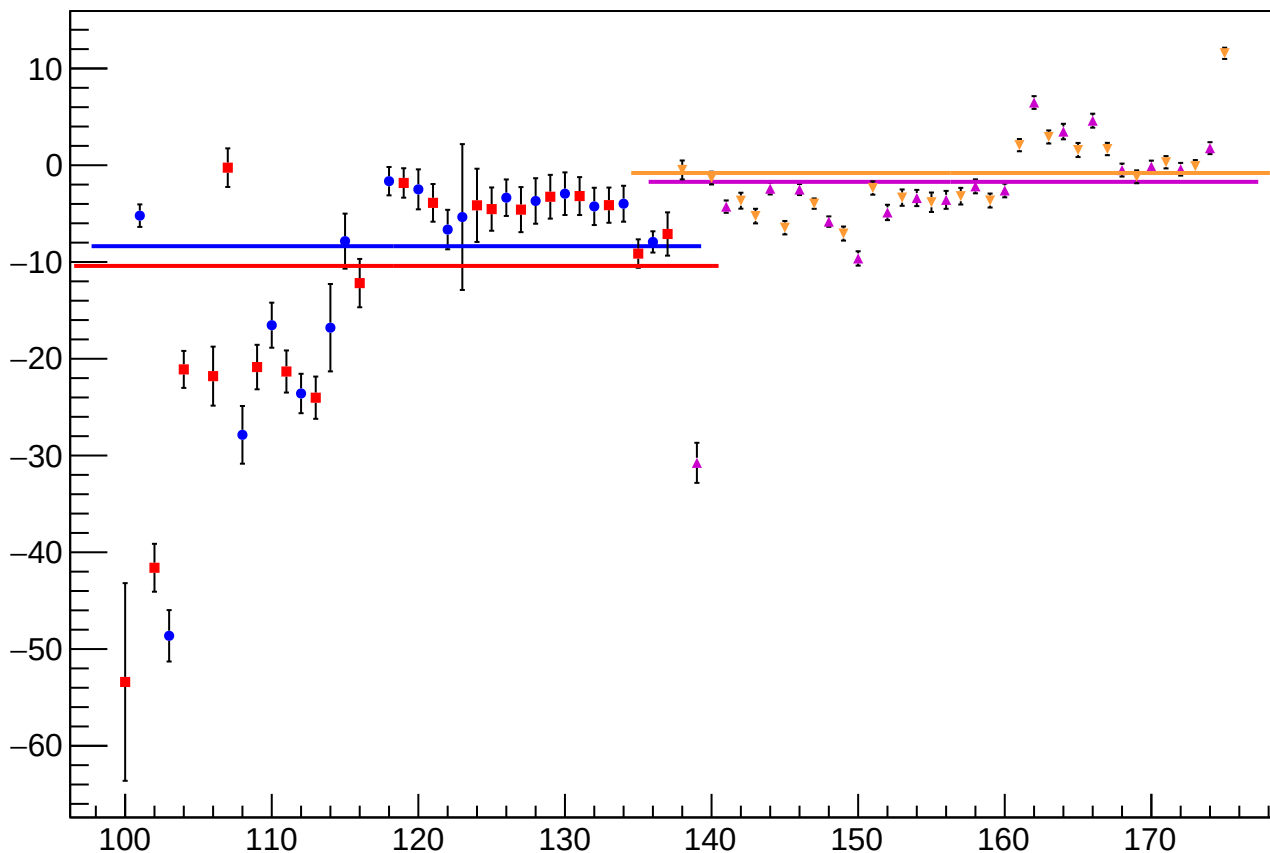
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -31.229 $\pm$ 0.221 χ^2/NDF :618.1/17

Out: -34.227 $\pm$ 0.210 χ^2/NDF :1839.5/19

All: -32.804 $\pm$ 0.152 χ^2/NDF : 2554.2/37

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -0.800 ± 0.156 χ^2/NDF : 802.9/19

Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

Left In: -1.718 ± 0.164 χ^2/NDF : 732.0/17

Left: -1.238 ± 0.113 χ^2/NDF : 1551.4/37

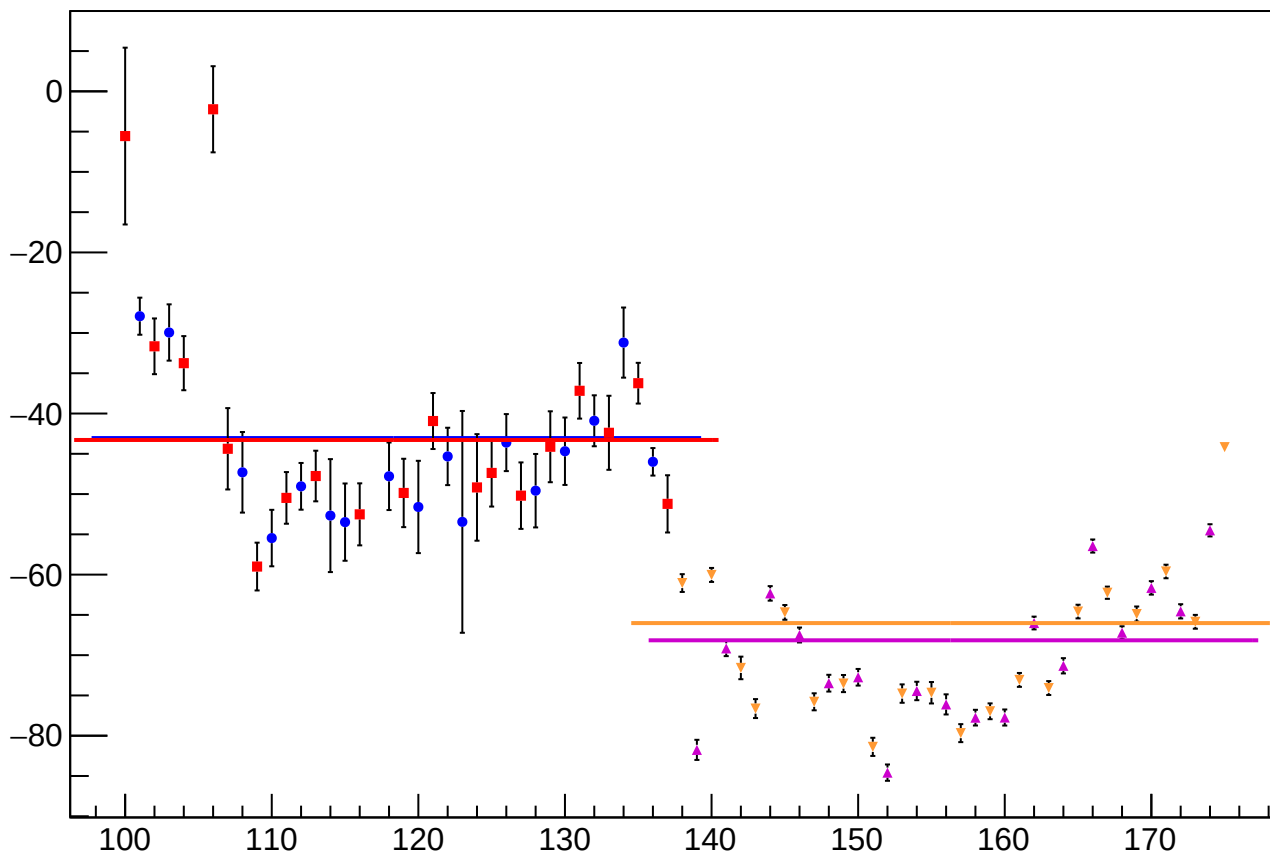
Right: -9.333 ± 0.338 χ^2/NDF : 848.2/35

In: -2.447 ± 0.154 χ^2/NDF : 1322.1/34

Out: -1.684 ± 0.149 χ^2/NDF : 1580.7/38

All: -2.052 ± 0.107 χ^2/NDF : 2915.5/73

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

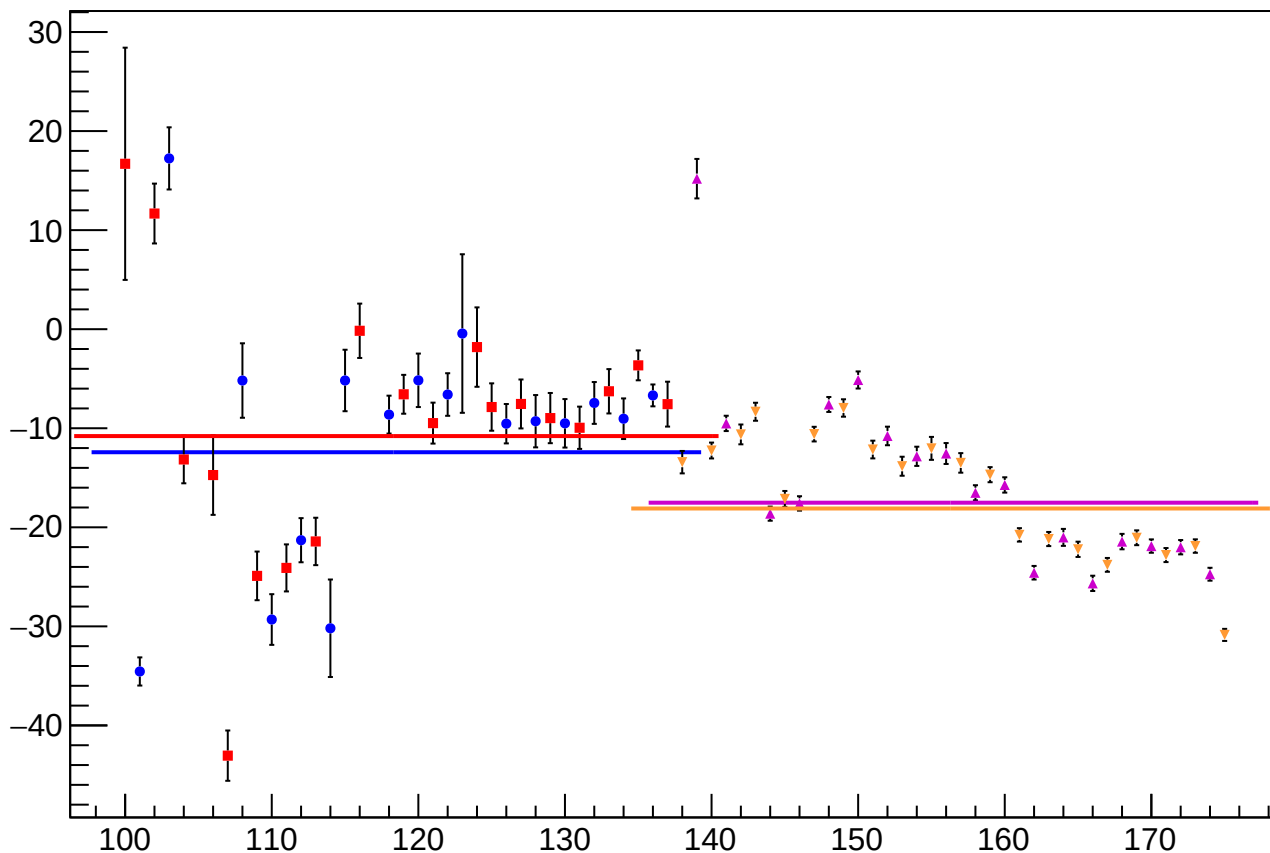


Right In: -43.047 $\pm$ 0.837 χ^2/NDF : 99.0/16
 Left Out: -66.016 $\pm$ 0.210 χ^2/NDF : 2405.6/19
 Right Out: -43.282 $\pm$ 0.867 χ^2/NDF : 154.4/18
 Left In: -68.155 $\pm$ 0.220 χ^2/NDF : 1359.9/17

Left: -67.033 $\pm$ 0.152 χ^2/NDF : 3815.0/37
 Right: -43.161 $\pm$ 0.602 χ^2/NDF : 253.4/35
 In: -66.531 $\pm$ 0.213 χ^2/NDF : 2300.0/34
 Out: -64.761 $\pm$ 0.204 χ^2/NDF : 3209.3/38

All: -65.607 $\pm$ 0.147 χ^2/NDF : 5545.4/73

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 $\chi^2/\text{NDF}: 474.4/16$

Left Out: -18.101 ± 0.178 $\chi^2/\text{NDF}: 1270.7/19$

Right Out: -10.791 ± 0.554 $\chi^2/\text{NDF}: 365.8/18$

Left In: -17.516 ± 0.187 $\chi^2/\text{NDF}: 1324.2/17$

Left: -17.823 ± 0.129 $\chi^2/\text{NDF}: 2600.1/37$

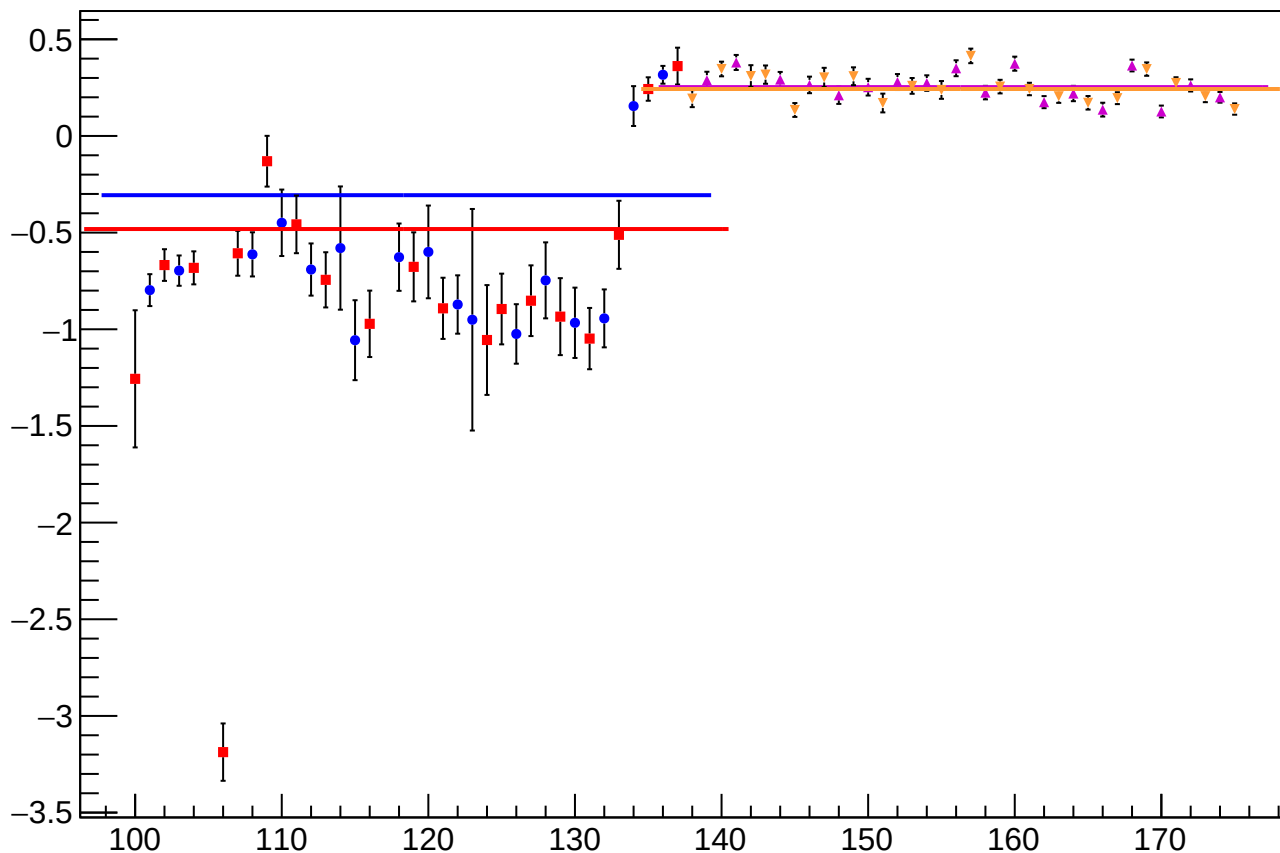
Right: -11.652 ± 0.380 $\chi^2/\text{NDF}: 844.7/35$

In: -16.939 ± 0.176 $\chi^2/\text{NDF}: 1882.8/34$

Out: -17.417 ± 0.169 $\chi^2/\text{NDF}: 1794.4/38$

All: -17.187 ± 0.122 $\chi^2/\text{NDF}: 3681.0/73$

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: 0.243 ± 0.008 χ^2/NDF : 80.0/19

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.253 ± 0.009 χ^2/NDF : 83.1/17

Left: 0.248 ± 0.006 χ^2/NDF : 163.8/37

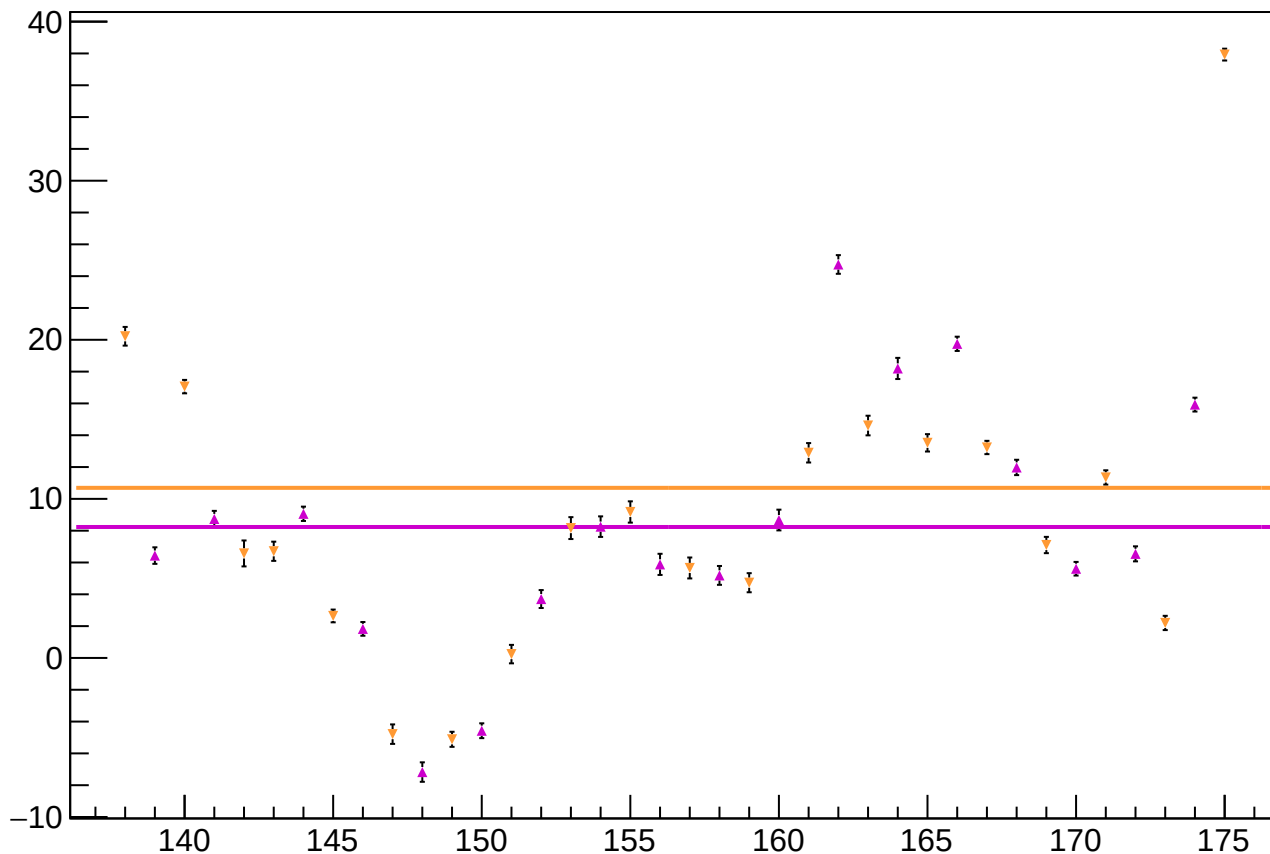
Right: -0.391 ± 0.020 χ^2/NDF : 1019.4/35

In: 0.204 ± 0.008 χ^2/NDF : 830.0/34

Out: 0.186 ± 0.008 χ^2/NDF : 1299.8/38

All: 0.195 ± 0.006 χ^2/NDF : 2132.1/73

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 10.693 ± 0.116 $\chi^2/\text{NDF}: 9085.4/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 8.232 ± 0.121 $\chi^2/\text{NDF}: 3825.9/17$

Left: 9.515 ± 0.084 $\chi^2/\text{NDF}: 13125.2/37$

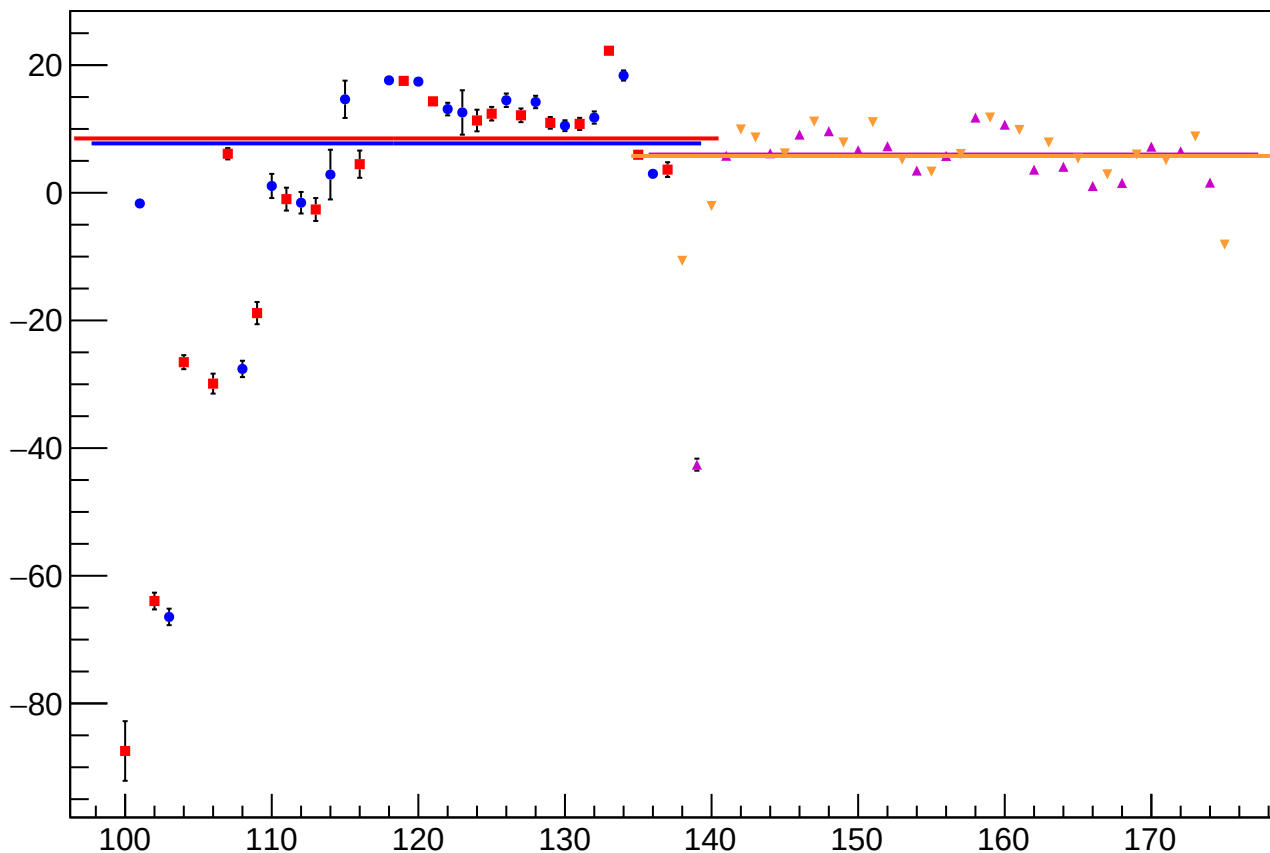
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 8.232 ± 0.121 $\chi^2/\text{NDF}: 3825.9/17$

Out: 10.693 ± 0.116 $\chi^2/\text{NDF}: 9085.4/19$

All: 9.515 ± 0.084 $\chi^2/\text{NDF}: 13125.2/37$

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: 5.768 ± 0.086 $\chi^2/\text{NDF}: 3999.0/19$

Right Out: 8.514 ± 0.213 $\chi^2/\text{NDF}: 6719.4/18$

Left In: 5.987 ± 0.090 $\chi^2/\text{NDF}: 3734.7/17$

Left: 5.873 ± 0.062 $\chi^2/\text{NDF}: 7736.8/37$

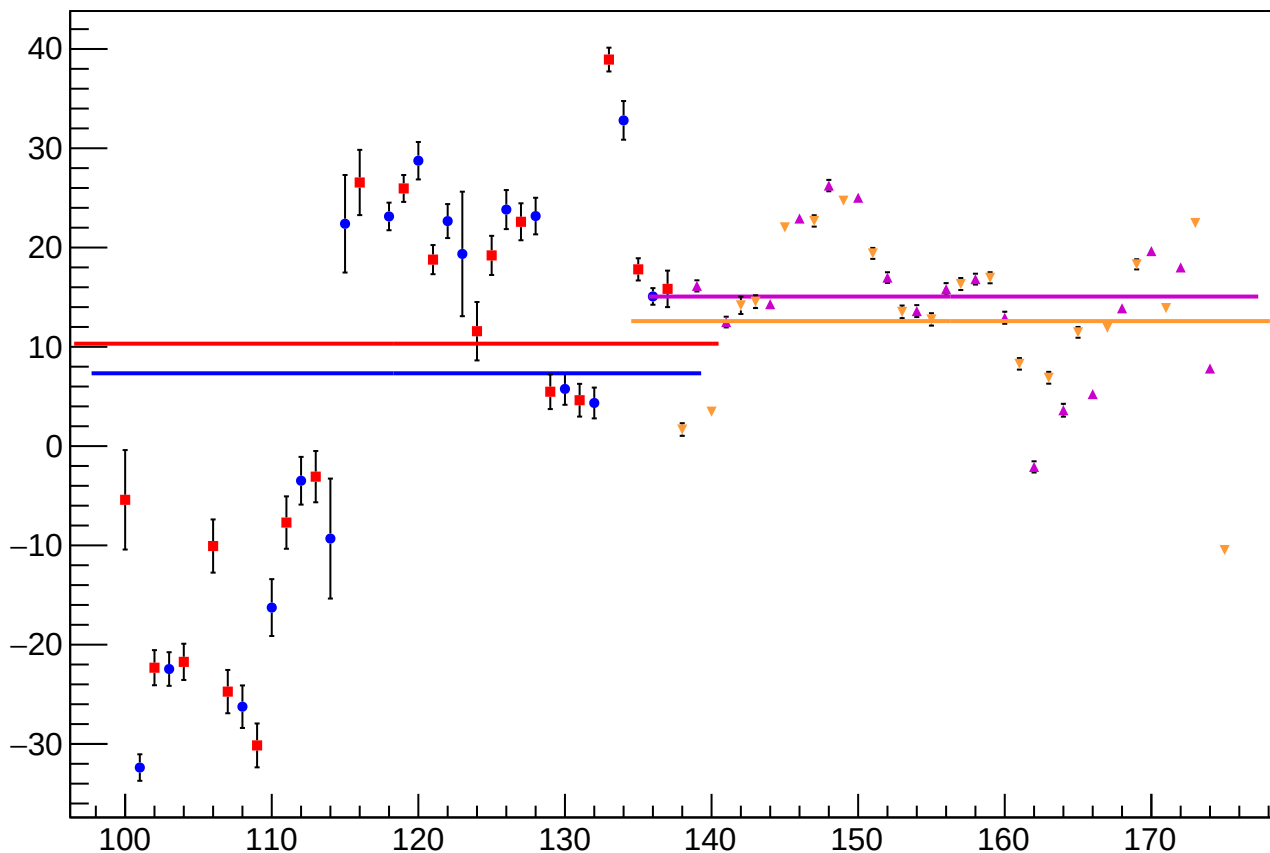
Right: 8.134 ± 0.152 $\chi^2/\text{NDF}: 12026.5/35$

In: 6.243 ± 0.083 $\chi^2/\text{NDF}: 9090.2/34$

Out: 6.154 ± 0.080 $\chi^2/\text{NDF}: 10860.9/38$

All: 6.197 ± 0.058 $\chi^2/\text{NDF}: 19951.8/73$

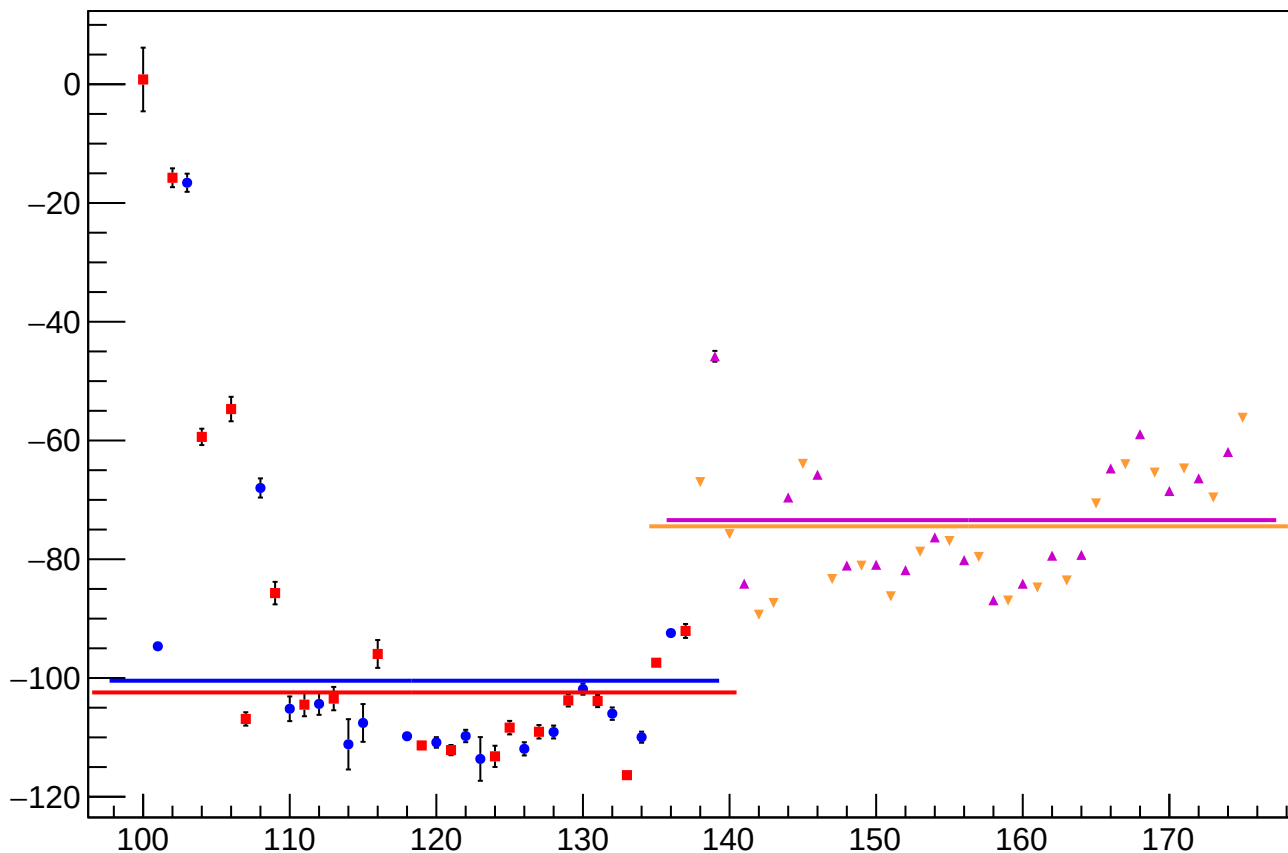
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 $\chi^2/\text{NDF}: 2293.1/16$
 Left Out: 12.591 ± 0.116 $\chi^2/\text{NDF}: 7095.9/19$
 Right Out: 10.317 ± 0.417 $\chi^2/\text{NDF}: 2281.5/18$
 Left In: 15.063 ± 0.121 $\chi^2/\text{NDF}: 3420.2/17$

Left: 13.779 ± 0.084 $\chi^2/\text{NDF}: 10733.9/37$
 Right: 8.831 ± 0.295 $\chi^2/\text{NDF}: 4600.2/35$
 In: 14.470 ± 0.116 $\chi^2/\text{NDF}: 6028.2/34$
 Out: 12.428 ± 0.112 $\chi^2/\text{NDF}: 9405.1/38$
 All: 13.411 ± 0.081 $\chi^2/\text{NDF}: 15593.8/73$

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457+/-0.251 χ^2/NDF : 4461.1/16

Left Out: -74.454+/-0.099 χ^2/NDF : 9963.4/19

Right Out: -102.431+/-0.246 χ^2/NDF : 6094.3/18

Left In: -73.409+/-0.103 χ^2/NDF : 7747.2/17

Left: -73.954+/-0.071 χ^2/NDF : 17764.1/37

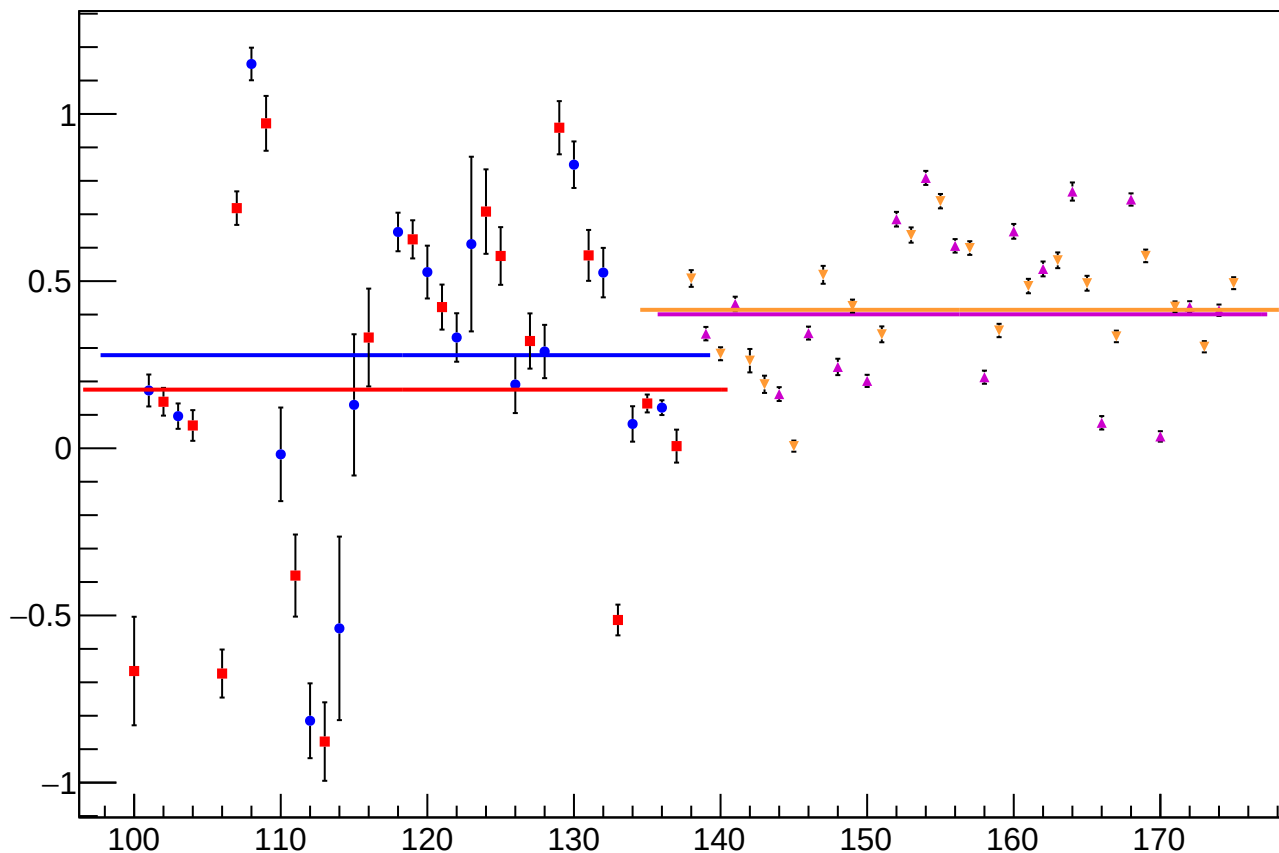
Right: -101.462+/-0.176 χ^2/NDF : 10586.9/35

In: -77.329+/-0.095 χ^2/NDF : 22158.2/34

Out: -78.336+/-0.092 χ^2/NDF : 27173.8/38

All: -77.852+/-0.066 χ^2/NDF : 49389.8/73

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.414 ± 0.005 χ^2/NDF : 1411.7/19

Right Out: 0.175 ± 0.013 χ^2/NDF : 967.7/18

Left In: 0.401 ± 0.005 χ^2/NDF : 2552.2/17

Left: 0.408 ± 0.003 χ^2/NDF : 3968.1/37

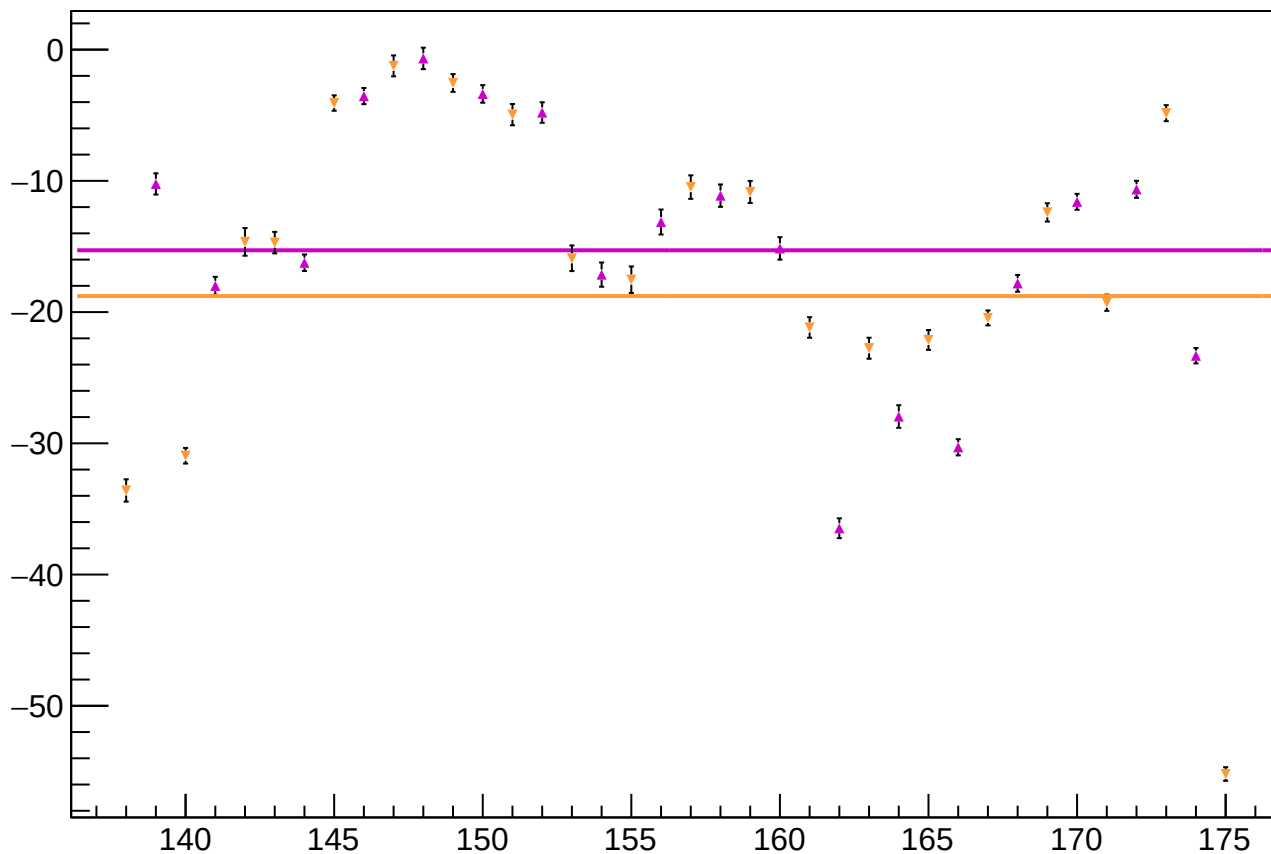
Right: 0.227 ± 0.010 χ^2/NDF : 1650.8/35

In: 0.388 ± 0.004 χ^2/NDF : 3279.1/34

Out: 0.389 ± 0.004 χ^2/NDF : 2660.6/38

All: 0.389 ± 0.003 χ^2/NDF : 5939.8/73

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: -18.780+/-0.161 χ^2/NDF :8528.5/19

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

Left In: -15.290+/-0.168 χ^2/NDF :3158.3/17

Left: -17.109+/-0.116 χ^2/NDF : 11911.4/37

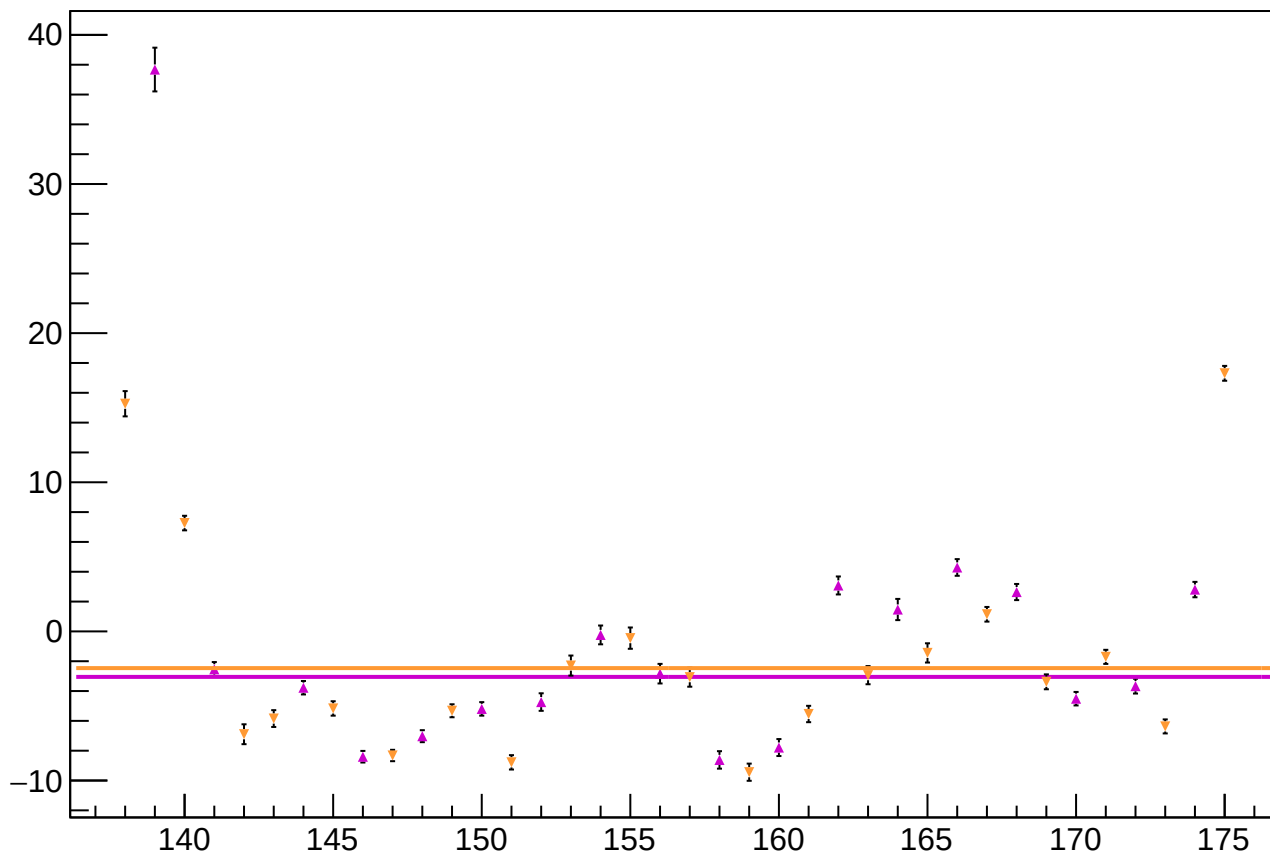
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.290+/-0.168 χ^2/NDF :3158.3/17

Out: -18.780+/-0.161 χ^2/NDF :8528.5/19

All: -17.109+/-0.116 χ^2/NDF : 11911.4/37

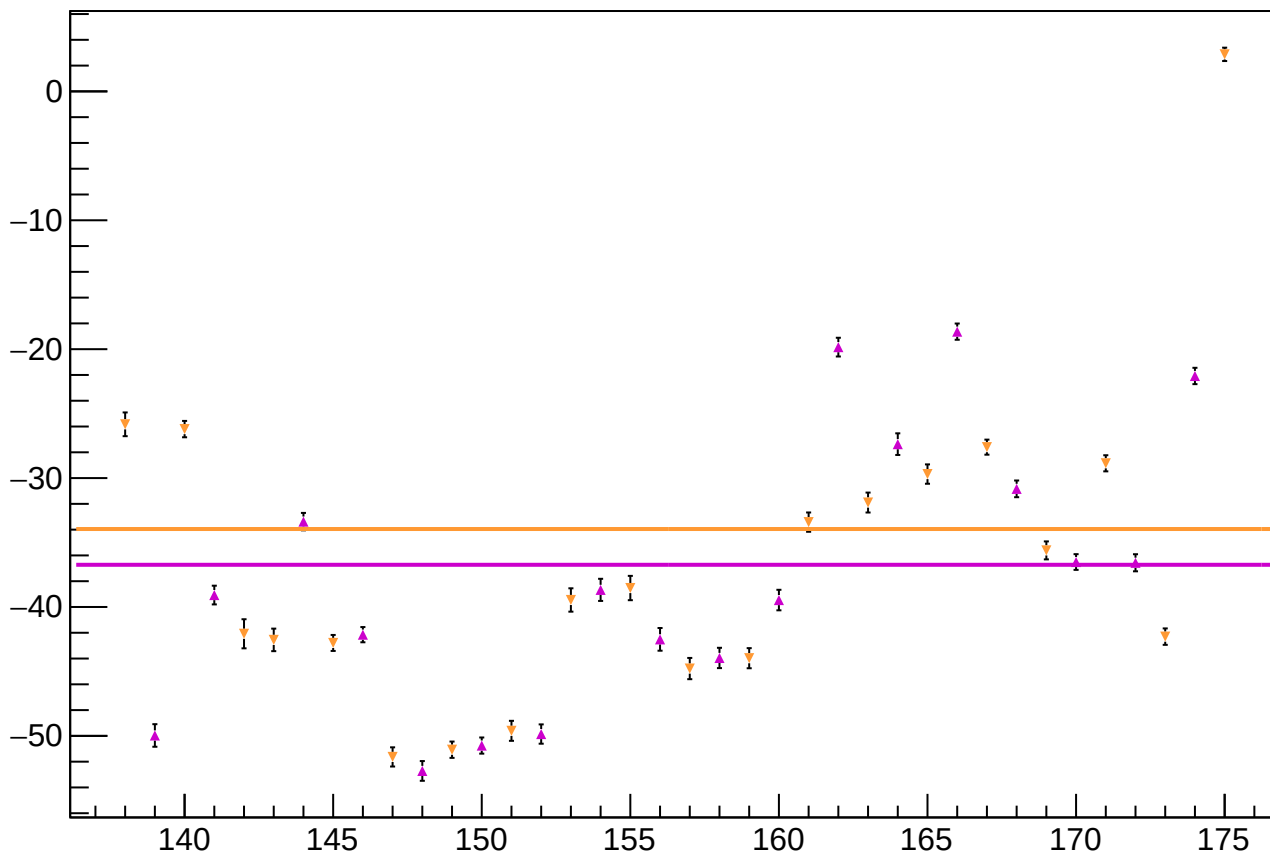
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.461+/-0.119 χ^2/NDF : 3291.9/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.051+/-0.124 χ^2/NDF : 1839.2/17

Left: -2.743+/-0.086 χ^2/NDF : 5142.9/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.051+/-0.124 χ^2/NDF : 1839.2/17
 Out: -2.461+/-0.119 χ^2/NDF : 3291.9/19
 All: -2.743+/-0.086 χ^2/NDF : 5142.9/37

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: -33.951±/-0.161 χ^2/NDF :8129.3/19

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

Left In: -36.727±/-0.167 χ^2/NDF :3843.6/17

Left: -35.284±/-0.116 χ^2/NDF : 12116.2/37

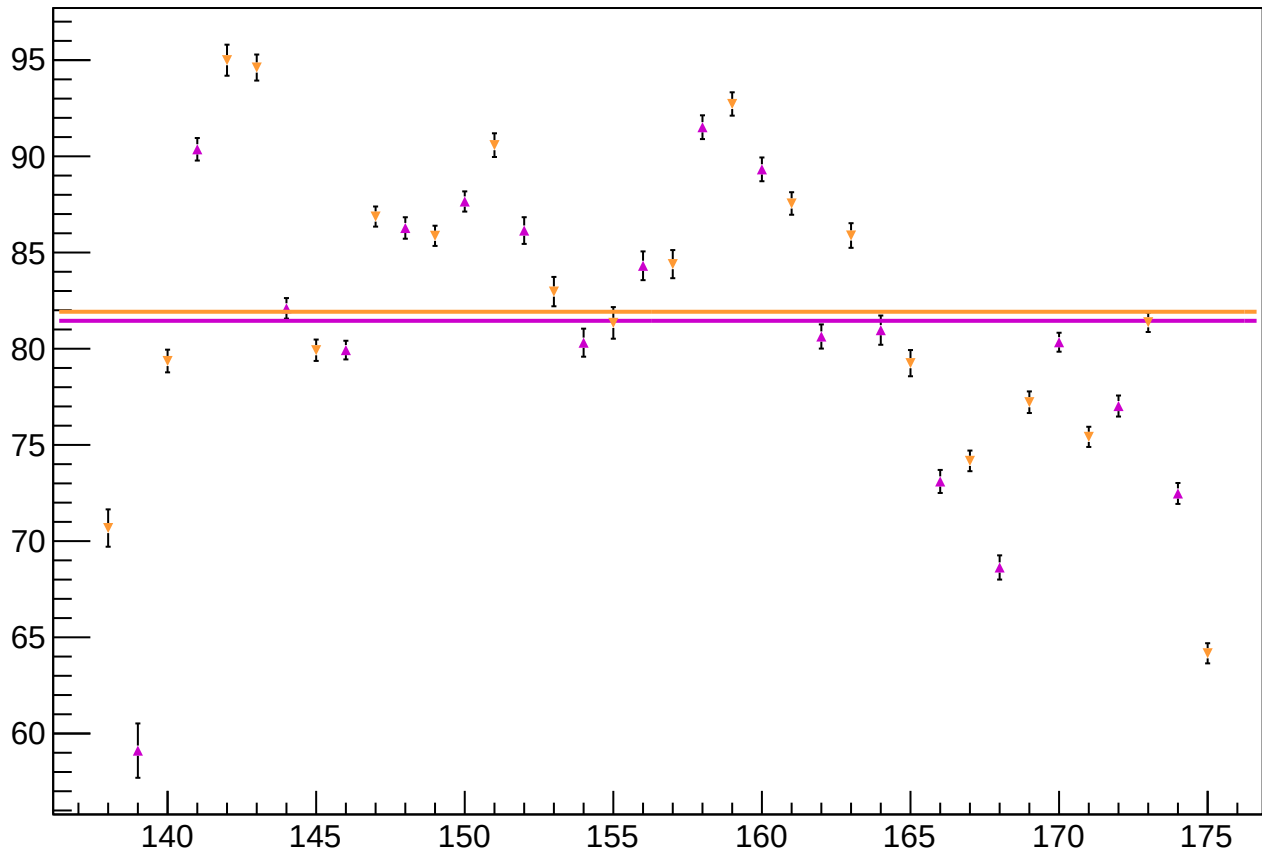
Right: 0.000±/-0.000 χ^2/NDF : 0.0/0

In: -36.727±/-0.167 χ^2/NDF :3843.6/17

Out: -33.951±/-0.161 χ^2/NDF :8129.3/19

All: -35.284±/-0.116 χ^2/NDF : 12116.2/37

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: 81.922+/-0.136 χ^2/NDF :3182.5/19

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

Left In: 81.451+/-0.142 χ^2/NDF :2152.9/17

Left: 81.697+/-0.098 χ^2/NDF : 5341.1/37

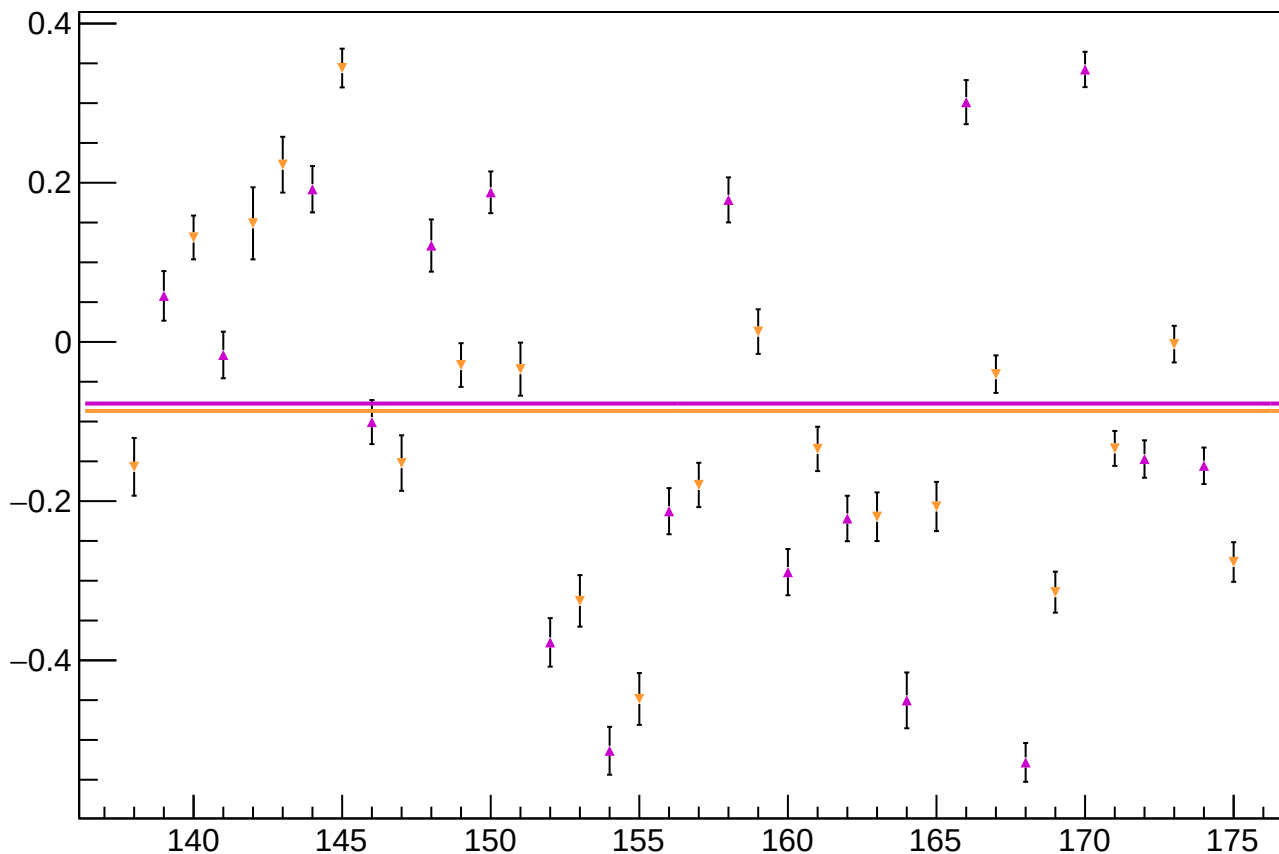
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 81.451+/-0.142 χ^2/NDF :2152.9/17

Out: 81.922+/-0.136 χ^2/NDF :3182.5/19

All: 81.697+/-0.098 χ^2/NDF : 5341.1/37

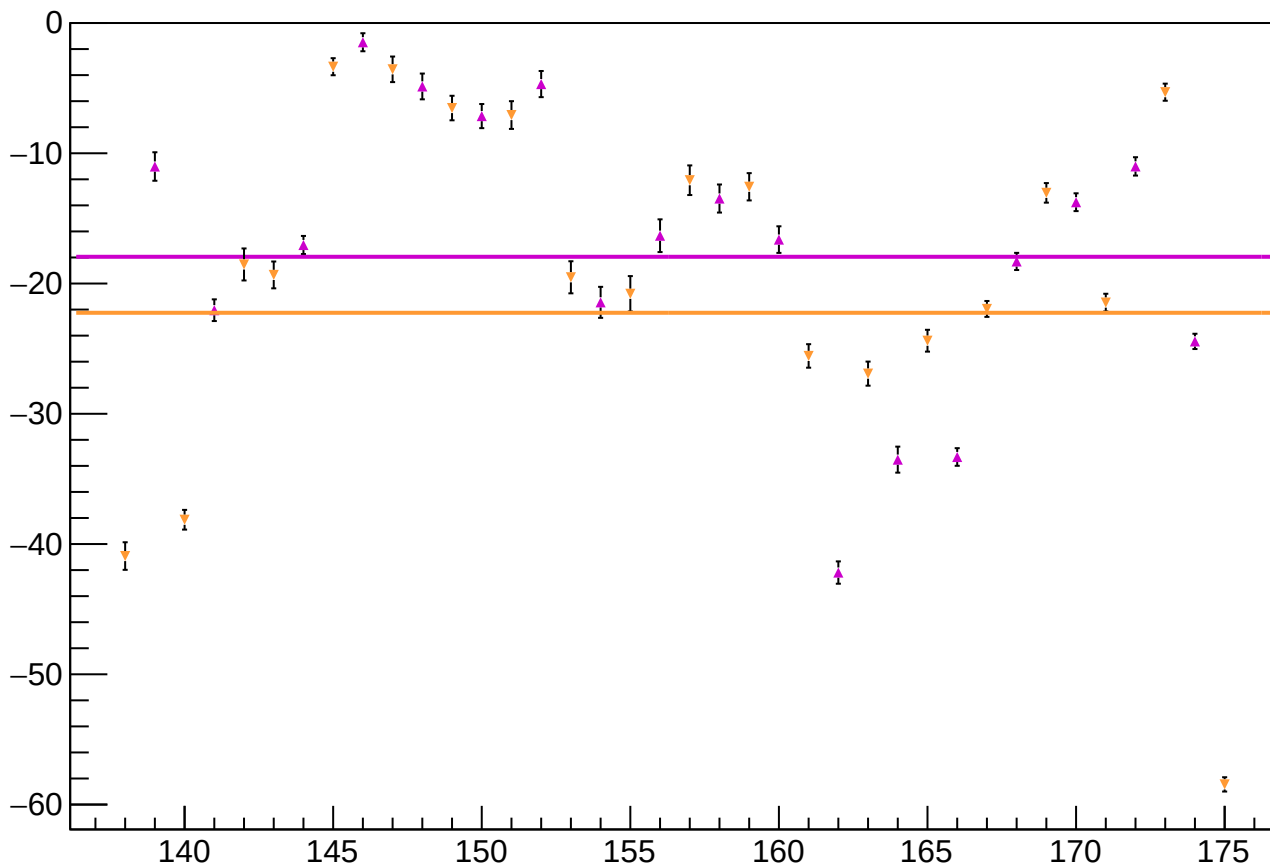
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.087 $\pm$ 0.006 χ^2 /NDF:891.9/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.077 $\pm$ 0.007 χ^2 /NDF:1757.3/17

Left: -0.082 $\pm$ 0.005 χ^2 /NDF: 2650.3/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.077 $\pm$ 0.007 χ^2 /NDF:1757.3/17
 Out: -0.087 $\pm$ 0.006 χ^2 /NDF:891.9/19
 All: -0.082 $\pm$ 0.005 χ^2 /NDF: 2650.3/37

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: -22.246+/-0.187 χ^2/NDF : 7828.0/19

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

Left In: -17.946+/-0.194 χ^2/NDF : 2962.8/17

Left: -20.170+/-0.134 χ^2/NDF : 11046.1/37

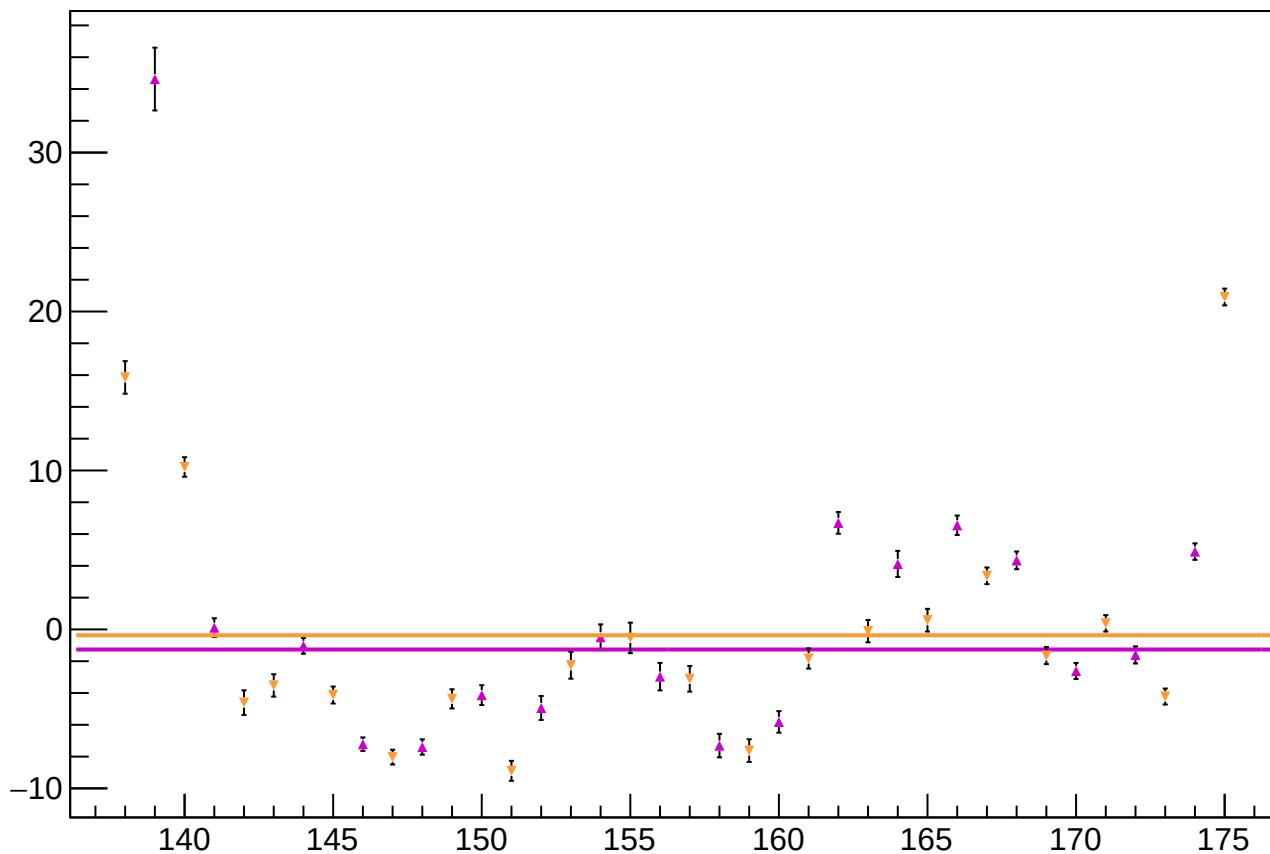
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.946+/-0.194 χ^2/NDF : 2962.8/17

Out: -22.246+/-0.187 χ^2/NDF : 7828.0/19

All: -20.170+/-0.134 χ^2/NDF : 11046.1/37

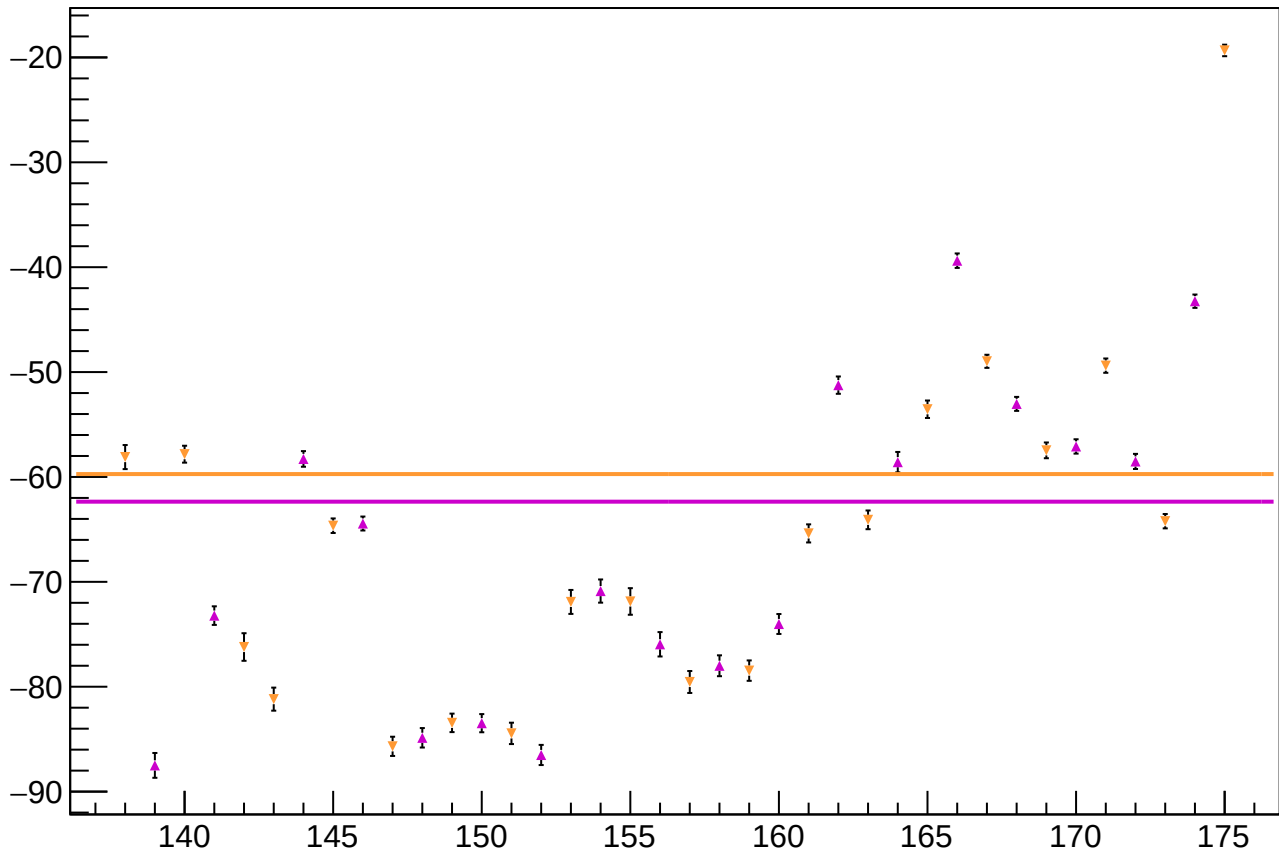
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.366+/-0.139 χ^2/NDF :3021.2/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.264+/-0.143 χ^2/NDF :1444.3/17

Left: -0.803+/-0.100 χ^2/NDF : 4485.6/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.264+/-0.143 χ^2/NDF :1444.3/17
 Out: -0.366+/-0.139 χ^2/NDF :3021.2/19
 All: -0.803+/-0.100 χ^2/NDF : 4485.6/37

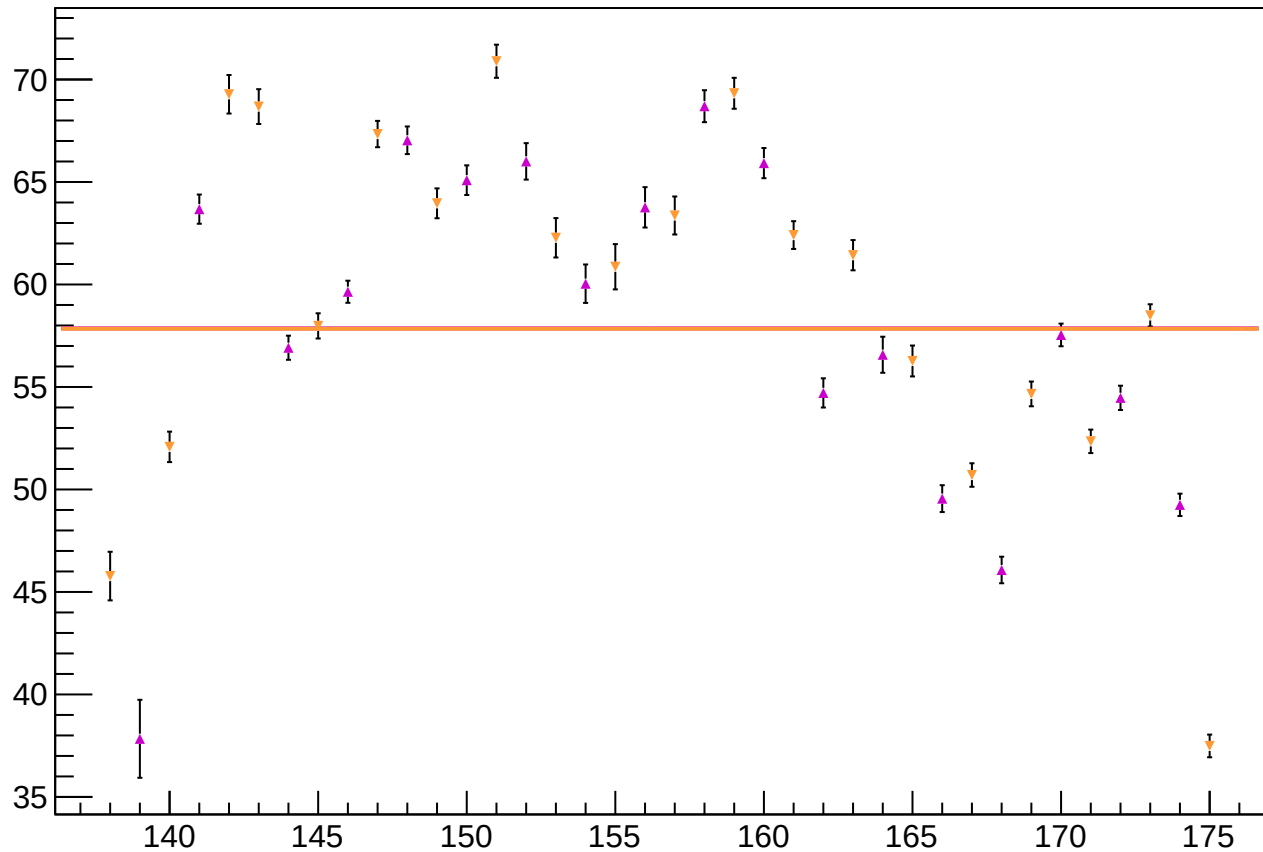
reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -59.725+/-0.187 χ^2/NDF : 9742.0/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -62.356+/-0.193 χ^2/NDF : 5543.7/17

Left: -60.997+/-0.135 χ^2/NDF : 15381.4/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -62.356+/-0.193 χ^2/NDF : 5543.7/17
 Out: -59.725+/-0.187 χ^2/NDF : 9742.0/19
 All: -60.997+/-0.135 χ^2/NDF : 15381.4/37

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 57.842 $\pm$ 0.159 χ^2 /NDF:3023.1/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 57.858 $\pm$ 0.164 χ^2 /NDF:1710.1/17

Left: 57.850 $\pm$ 0.114 χ^2 /NDF: 4733.2/37

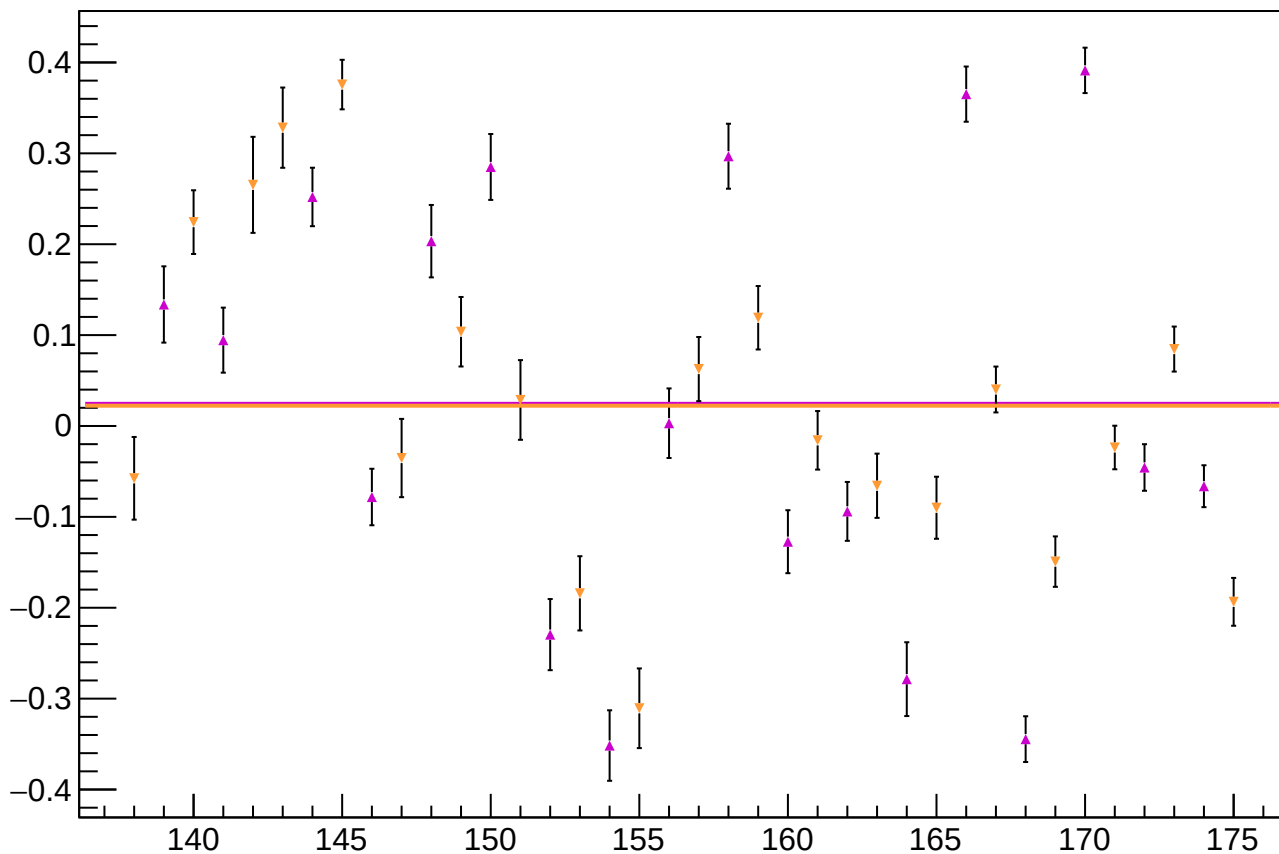
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 57.858 $\pm$ 0.164 χ^2 /NDF:1710.1/17

Out: 57.842 $\pm$ 0.159 χ^2 /NDF:3023.1/19

All: 57.850 $\pm$ 0.114 χ^2 /NDF: 4733.2/37

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: 0.022 $\pm$ 0.007 χ^2 /NDF:506.4/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.024 $\pm$ 0.008 χ^2 /NDF:1005.4/17

Left: 0.023 $\pm$ 0.005 χ^2 /NDF: 1511.8/37

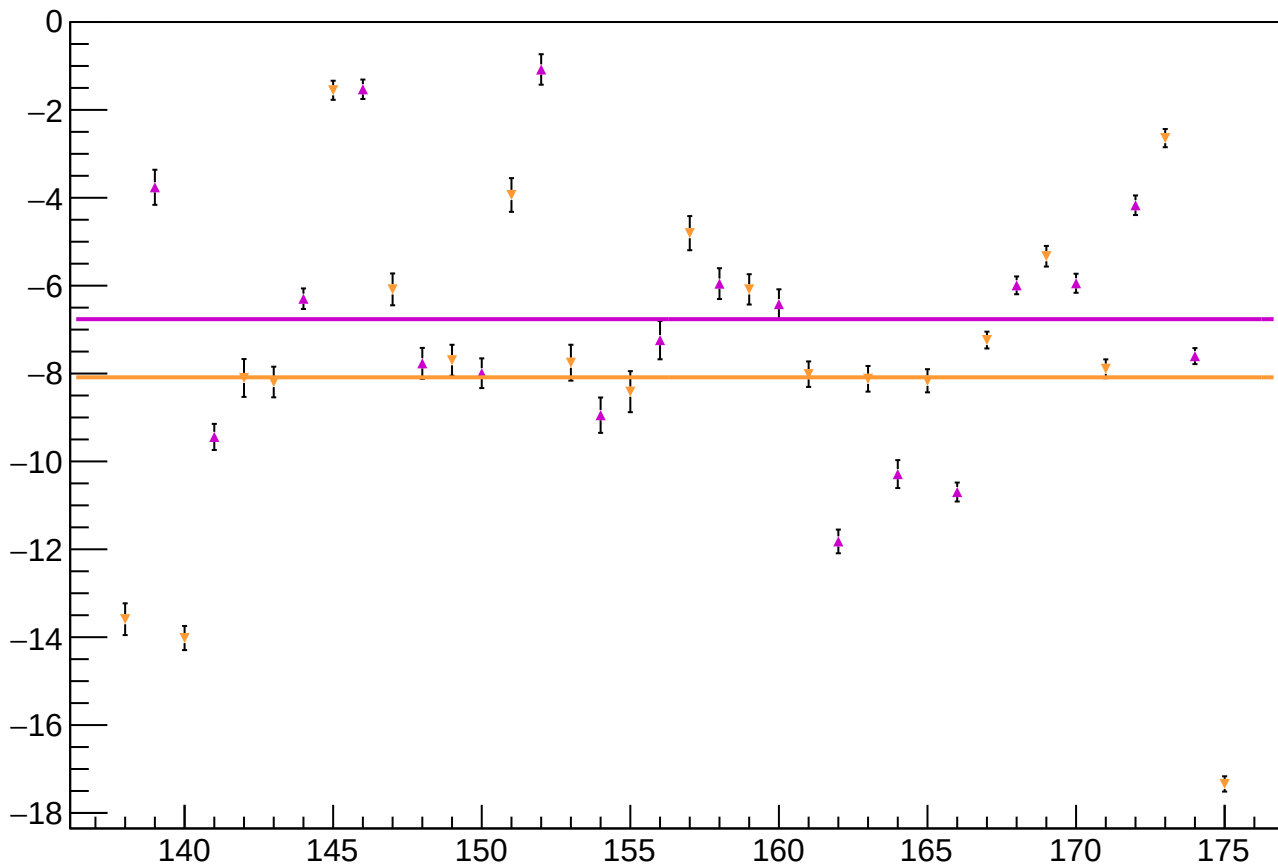
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.024 $\pm$ 0.008 χ^2 /NDF:1005.4/17

Out: 0.022 $\pm$ 0.007 χ^2 /NDF:506.4/19

All: 0.023 $\pm$ 0.005 χ^2 /NDF: 1511.8/37

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: -8.086+/-0.061 χ^2/NDF :5534.9/19

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

Left In: -6.763+/-0.063 χ^2/NDF :2022.5/17

Left: -7.443+/-0.044 χ^2/NDF : 7783.3/37

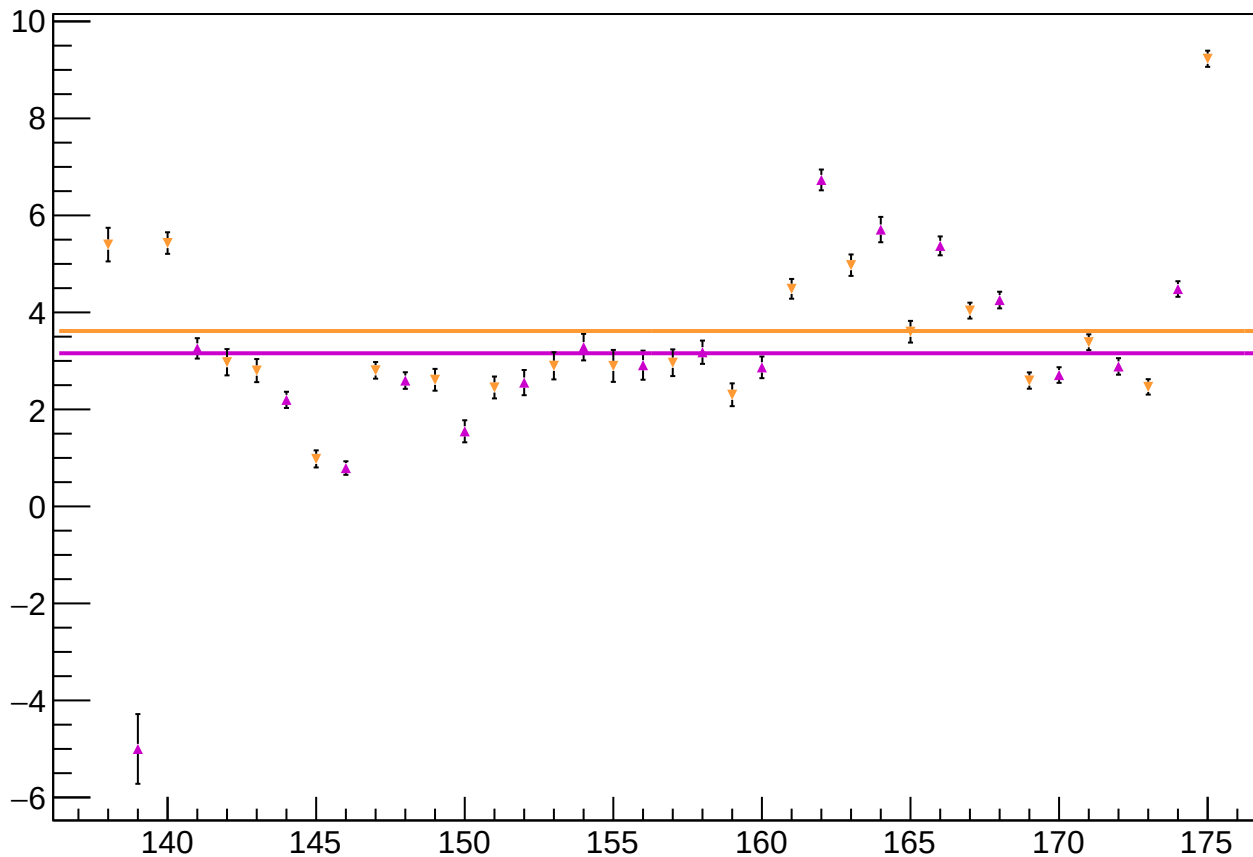
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.763+/-0.063 χ^2/NDF :2022.5/17

Out: -8.086+/-0.061 χ^2/NDF :5534.9/19

All: -7.443+/-0.044 χ^2/NDF : 7783.3/37

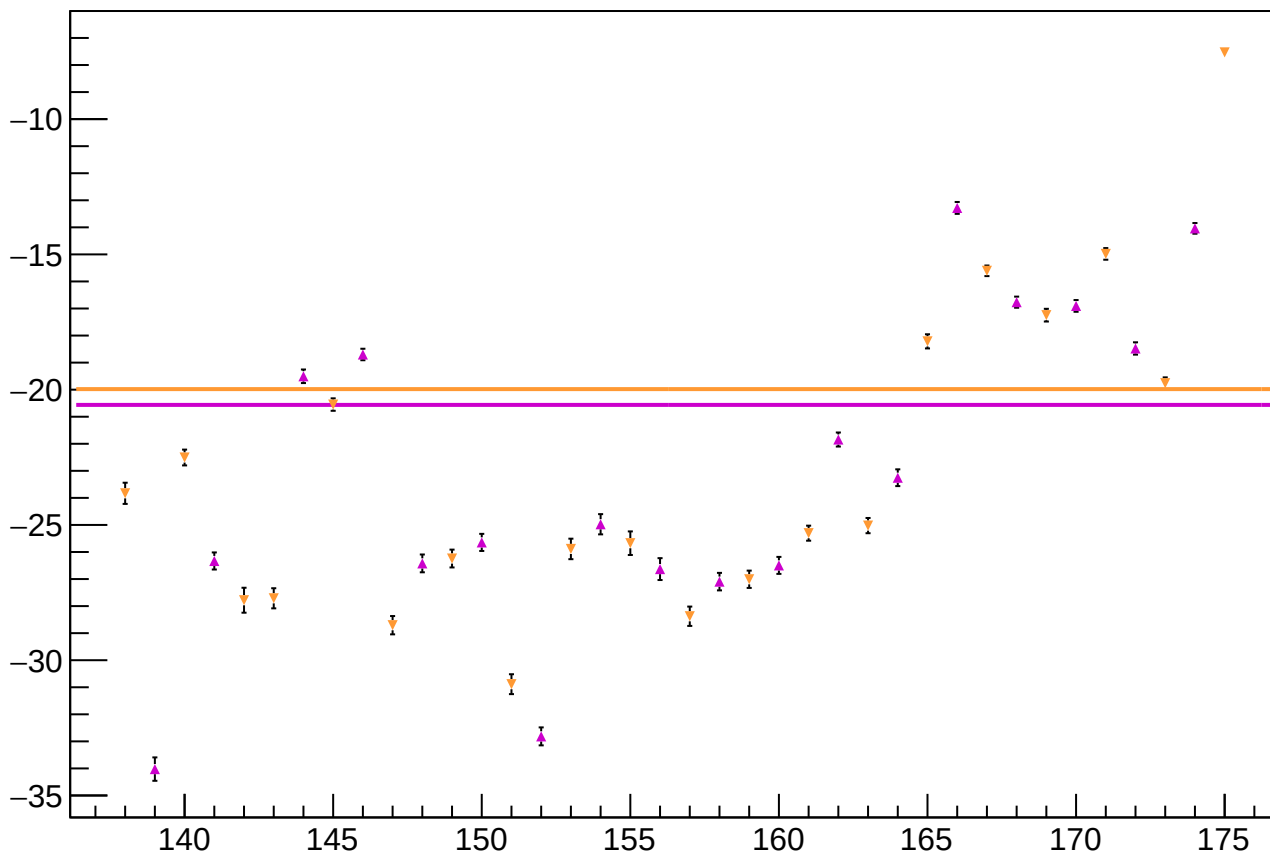
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.617+/-0.046 χ^2/NDF :1738.3/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.158+/-0.047 χ^2/NDF :1140.1/17

Left: 3.392+/-0.033 χ^2/NDF : 2926.8/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.158+/-0.047 χ^2/NDF :1140.1/17
 Out: 3.617+/-0.046 χ^2/NDF :1738.3/19
 All: 3.392+/-0.033 χ^2/NDF : 2926.8/37

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: -19.979+/-0.061 χ^2/NDF :11252.7/19

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

Left In: -20.563+/-0.063 χ^2/NDF :7464.0/17

Left: -20.263+/-0.044 χ^2/NDF : 18760.5/37

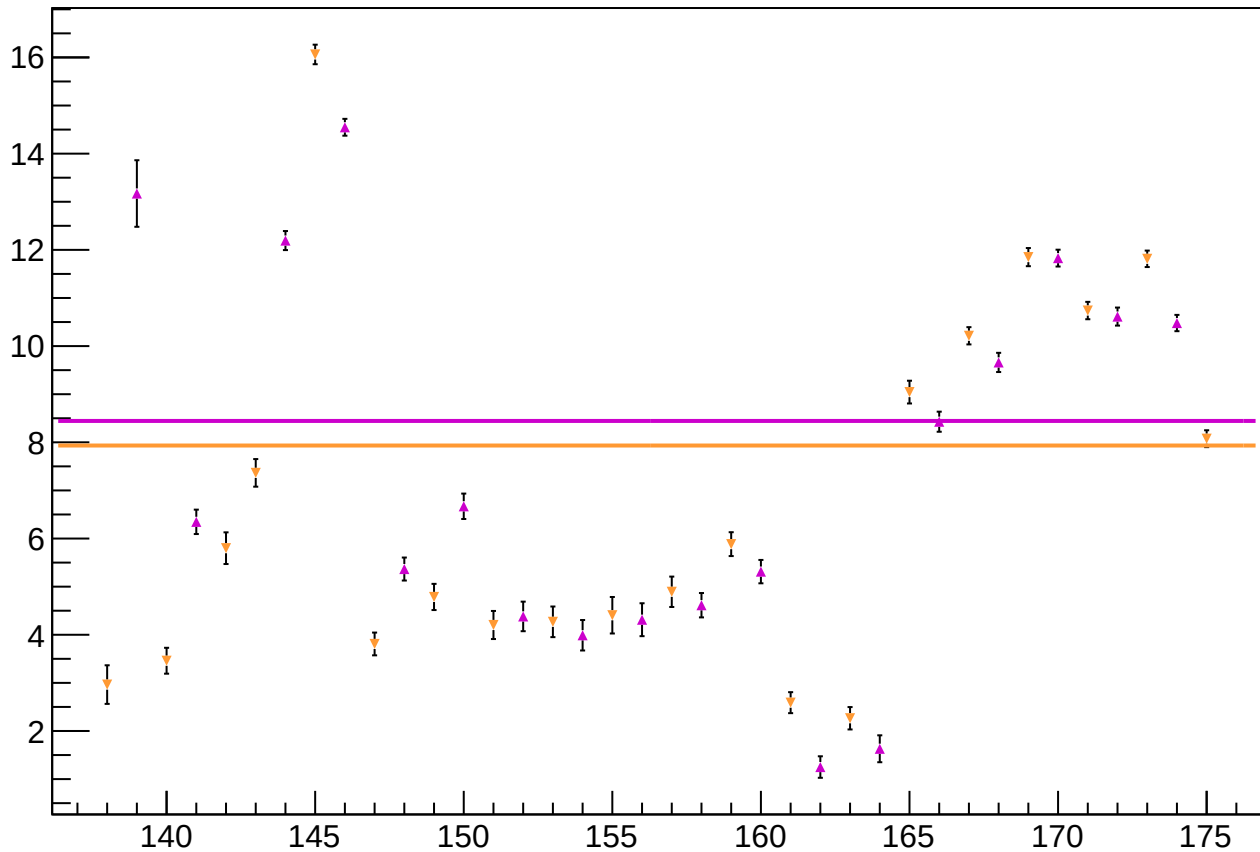
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -20.563+/-0.063 χ^2/NDF :7464.0/17

Out: -19.979+/-0.061 χ^2/NDF :11252.7/19

All: -20.263+/-0.044 χ^2/NDF : 18760.5/37

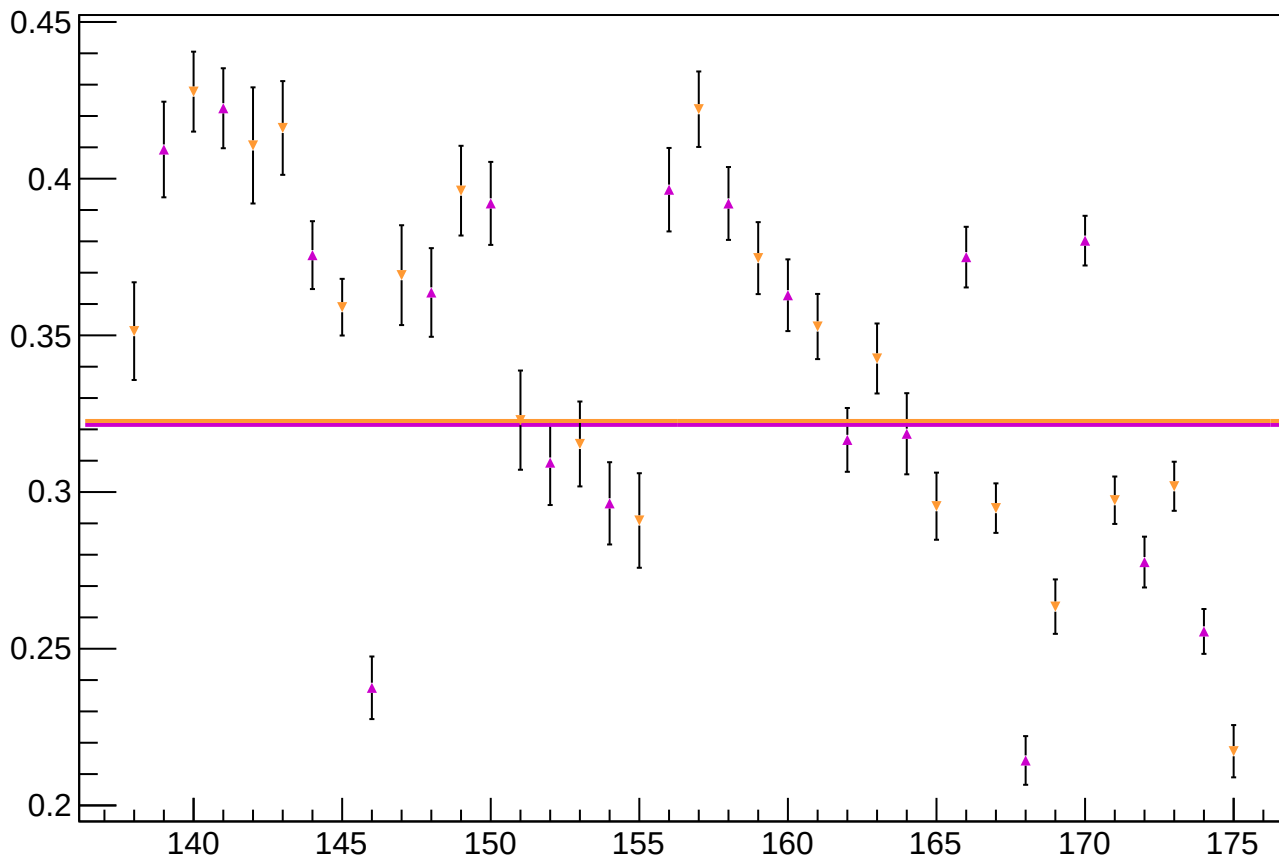
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.933+/-0.052 χ^2/NDF :5622.3/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.444+/-0.054 χ^2/NDF :5135.3/17

Left: 8.182+/-0.037 χ^2/NDF : 10804.1/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.444+/-0.054 χ^2/NDF :5135.3/17
 Out: 7.933+/-0.052 χ^2/NDF :5622.3/19
 All: 8.182+/-0.037 χ^2/NDF : 10804.1/37

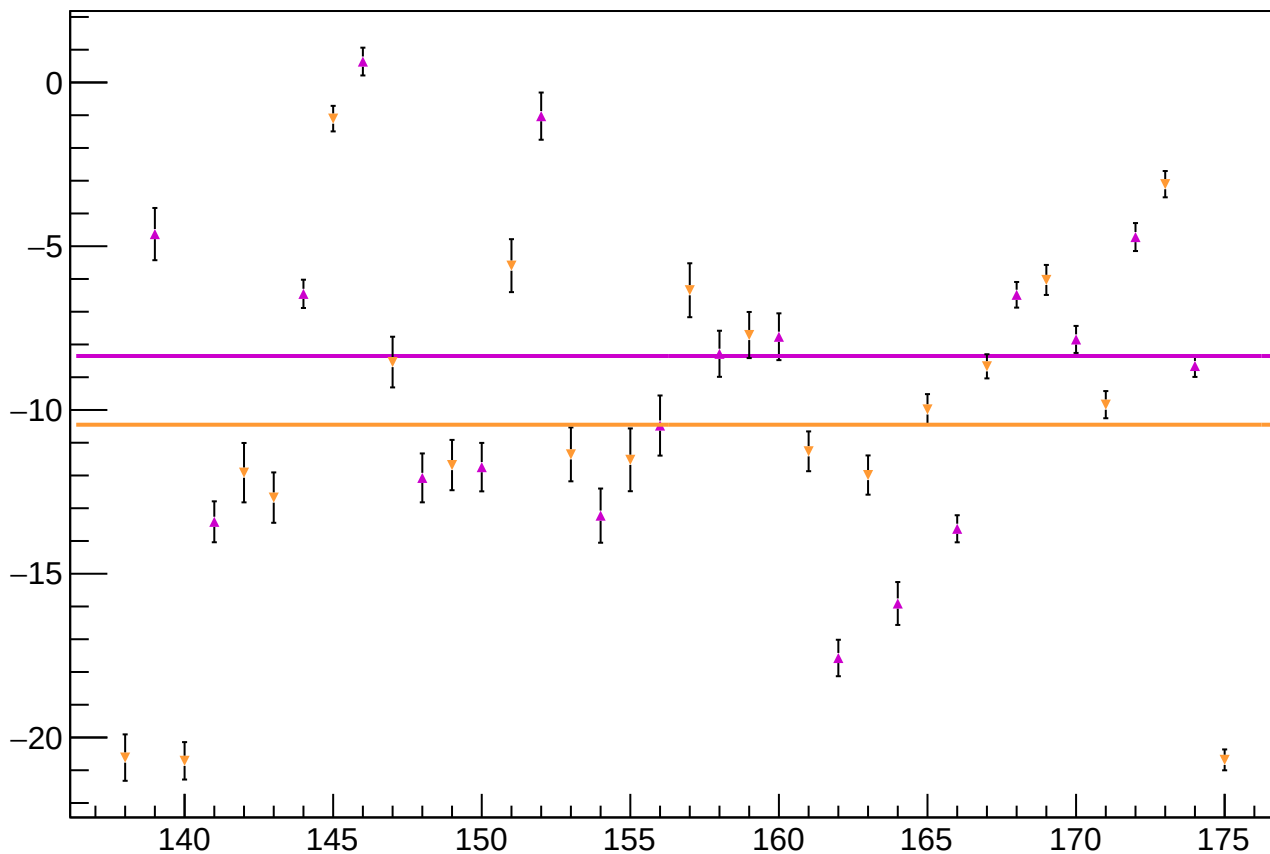
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.323 $\pm$ 0.002 χ^2 /NDF:532.0/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.321 $\pm$ 0.002 χ^2 /NDF:704.9/17

Left: 0.322 $\pm$ 0.002 χ^2 /NDF: 1237.0/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.321 $\pm$ 0.002 χ^2 /NDF:704.9/17
 Out: 0.323 $\pm$ 0.002 χ^2 /NDF:532.0/19
 All: 0.322 $\pm$ 0.002 χ^2 /NDF: 1237.0/37

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: -10.450 $\pm$ 0.120 χ^2/NDF :2694.3/19

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -8.352 $\pm$ 0.124 χ^2/NDF :1413.3/17

Left: -9.433 $\pm$ 0.086 χ^2/NDF : 4256.0/37

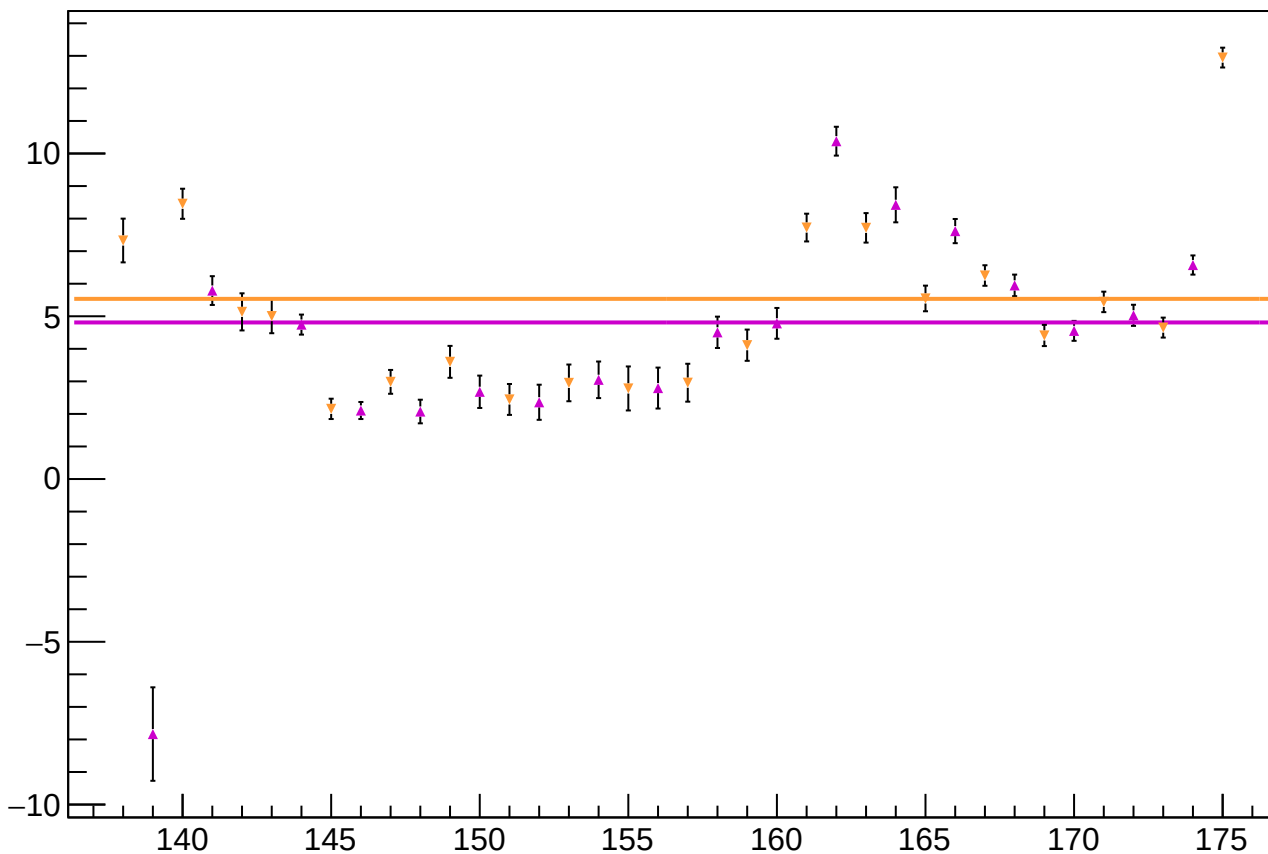
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -8.352 $\pm$ 0.124 χ^2/NDF :1413.3/17

Out: -10.450 $\pm$ 0.120 χ^2/NDF :2694.3/19

All: -9.433 $\pm$ 0.086 χ^2/NDF : 4256.0/37

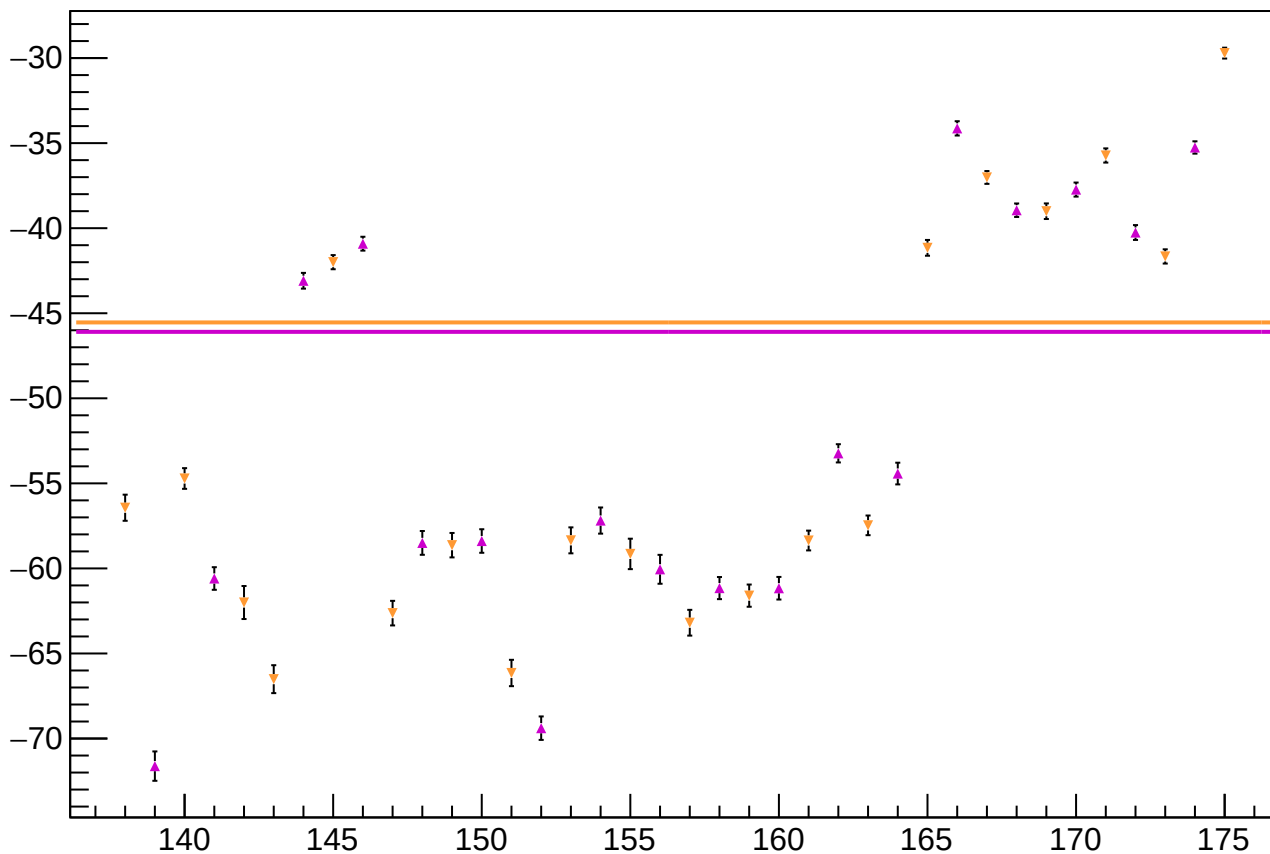
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.535 $\pm$ 0.091 χ^2 /NDF:1005.5/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.810 $\pm$ 0.093 χ^2 /NDF:614.3/17

Left: 5.178 $\pm$ 0.065 χ^2 /NDF: 1651.0/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.810 $\pm$ 0.093 χ^2 /NDF:614.3/17
 Out: 5.535 $\pm$ 0.091 χ^2 /NDF:1005.5/19
 All: 5.178 $\pm$ 0.065 χ^2 /NDF: 1651.0/37

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: -45.540+/-0.120 χ^2/NDF :9508.9/19

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

Left In: -46.094+/-0.124 χ^2/NDF :7819.3/17

Left: -45.808+/-0.086 χ^2/NDF : 17338.5/37

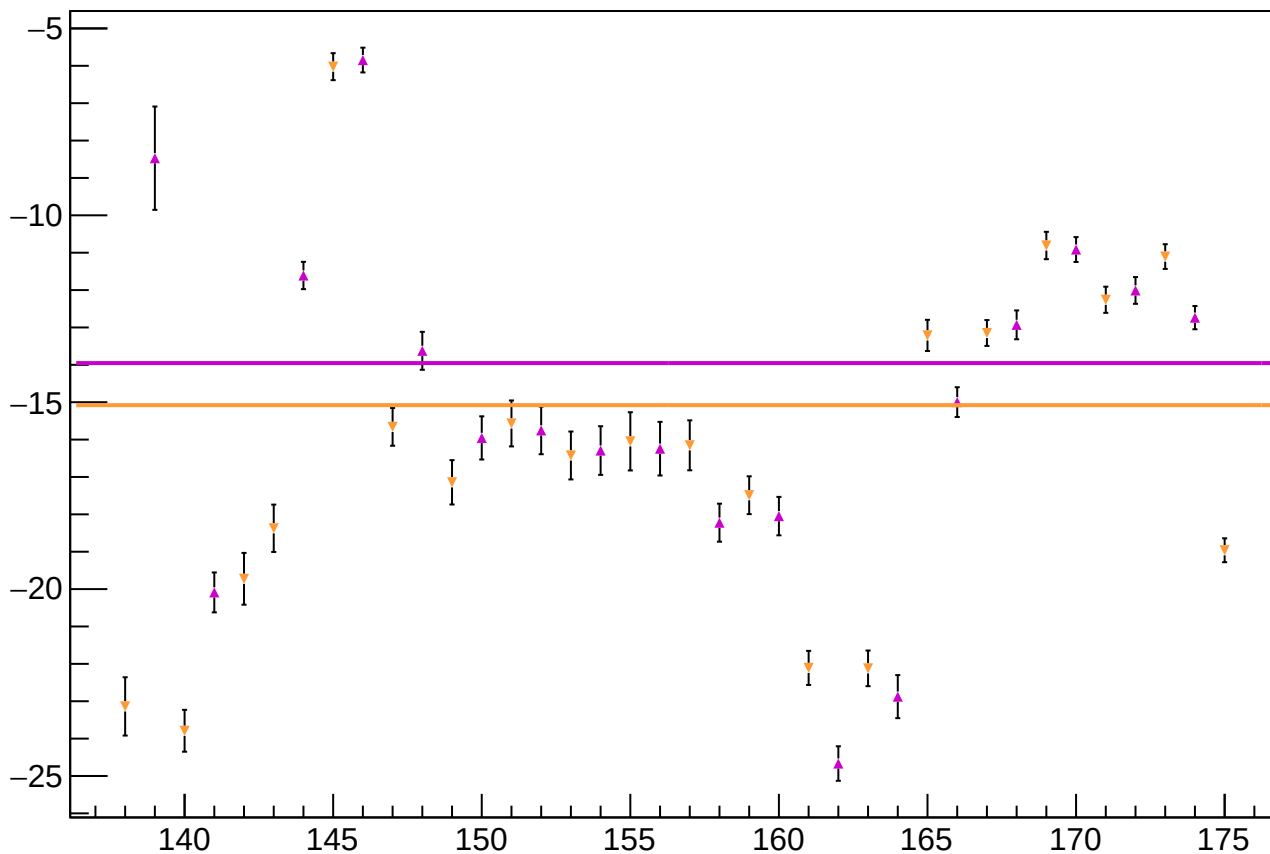
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -46.094+/-0.124 χ^2/NDF :7819.3/17

Out: -45.540+/-0.120 χ^2/NDF :9508.9/19

All: -45.808+/-0.086 χ^2/NDF : 17338.5/37

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -15.078+/-0.103 χ^2/NDF :2095.8/19

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

Left In: -13.953+/-0.106 χ^2/NDF :1886.2/17

Left: -14.530+/-0.074 χ^2/NDF : 4040.3/37

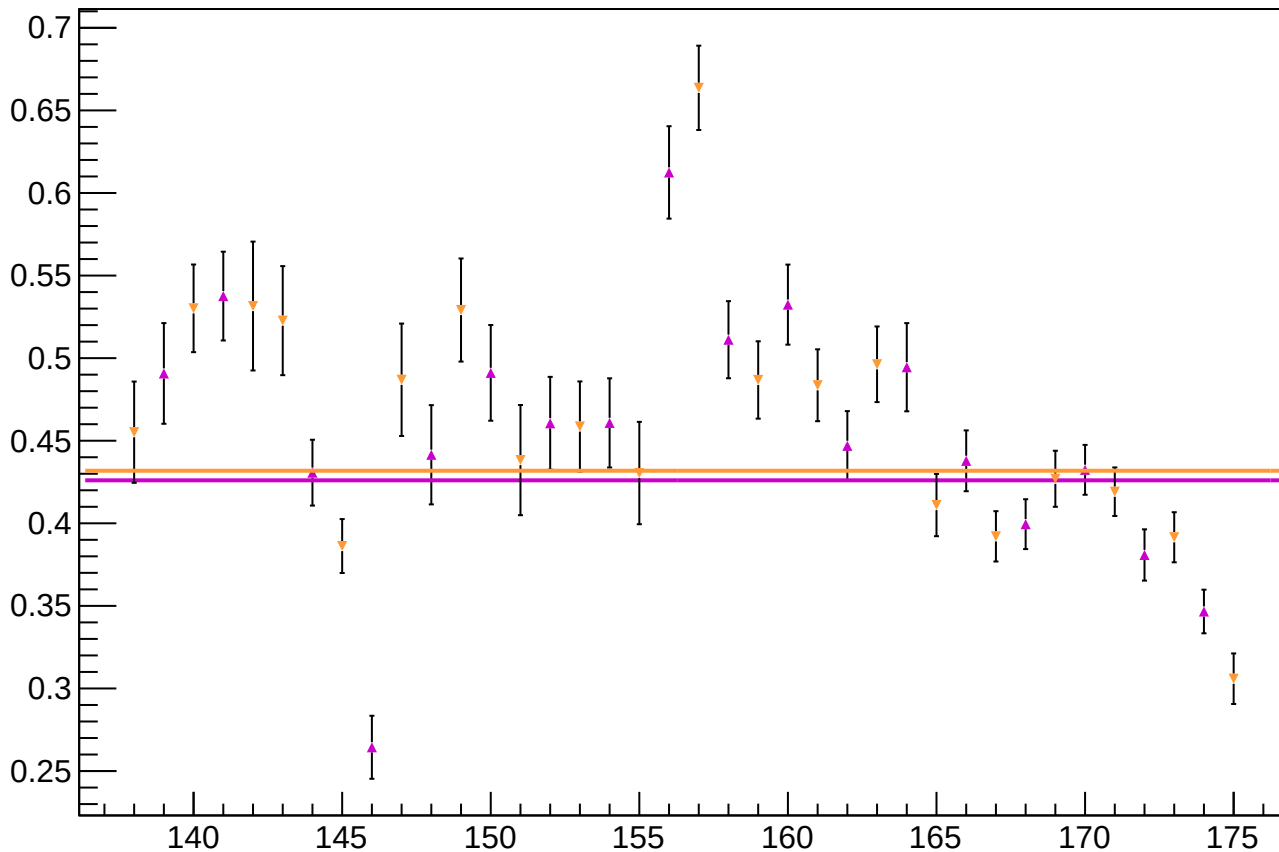
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -13.953+/-0.106 χ^2/NDF :1886.2/17

Out: -15.078+/-0.103 χ^2/NDF :2095.8/19

All: -14.530+/-0.074 χ^2/NDF : 4040.3/37

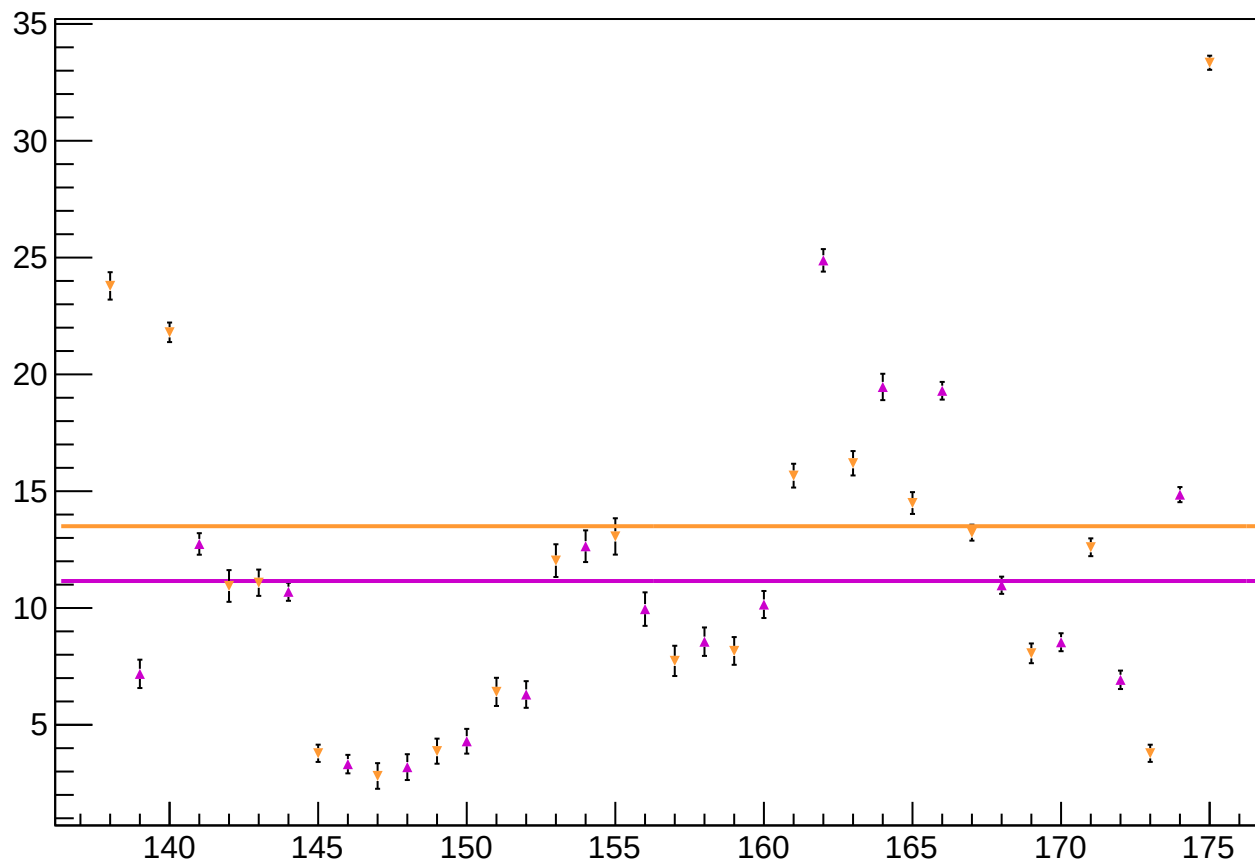
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.432 $\pm$ 0.005 χ^2 /NDF:234.7/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.426 $\pm$ 0.005 χ^2 /NDF:234.8/17

Left: 0.429 $\pm$ 0.003 χ^2 /NDF: 470.3/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.426 $\pm$ 0.005 χ^2 /NDF:234.8/17
 Out: 0.432 $\pm$ 0.005 χ^2 /NDF:234.7/19
 All: 0.429 $\pm$ 0.003 χ^2 /NDF: 470.3/37

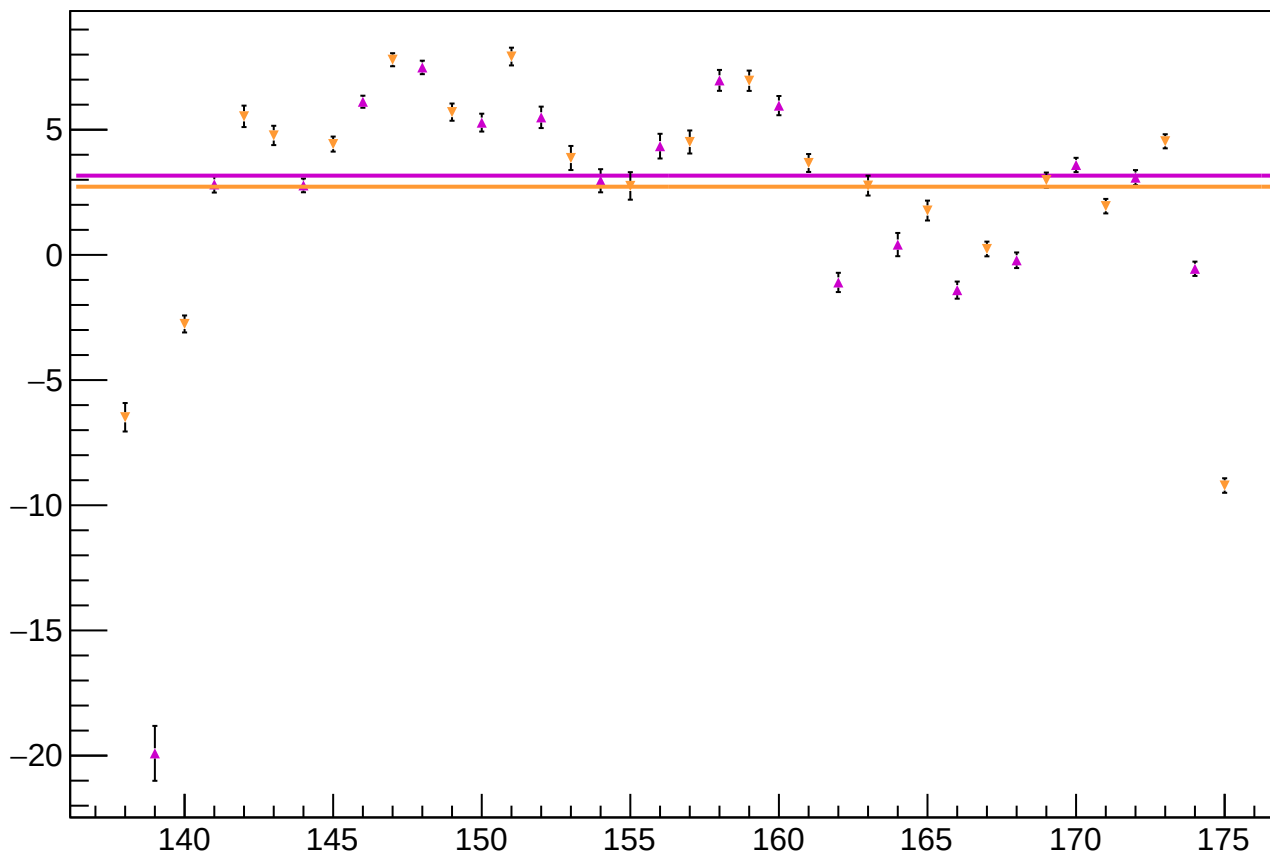
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 13.501+/-0.105 χ^2/NDF :7641.9/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 11.156+/-0.109 χ^2/NDF :2706.8/17

Left: 12.372+/-0.075 χ^2/NDF : 10590.3/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 11.156+/-0.109 χ^2/NDF :2706.8/17
 Out: 13.501+/-0.105 χ^2/NDF :7641.9/19
 All: 12.372+/-0.075 χ^2/NDF : 10590.3/37

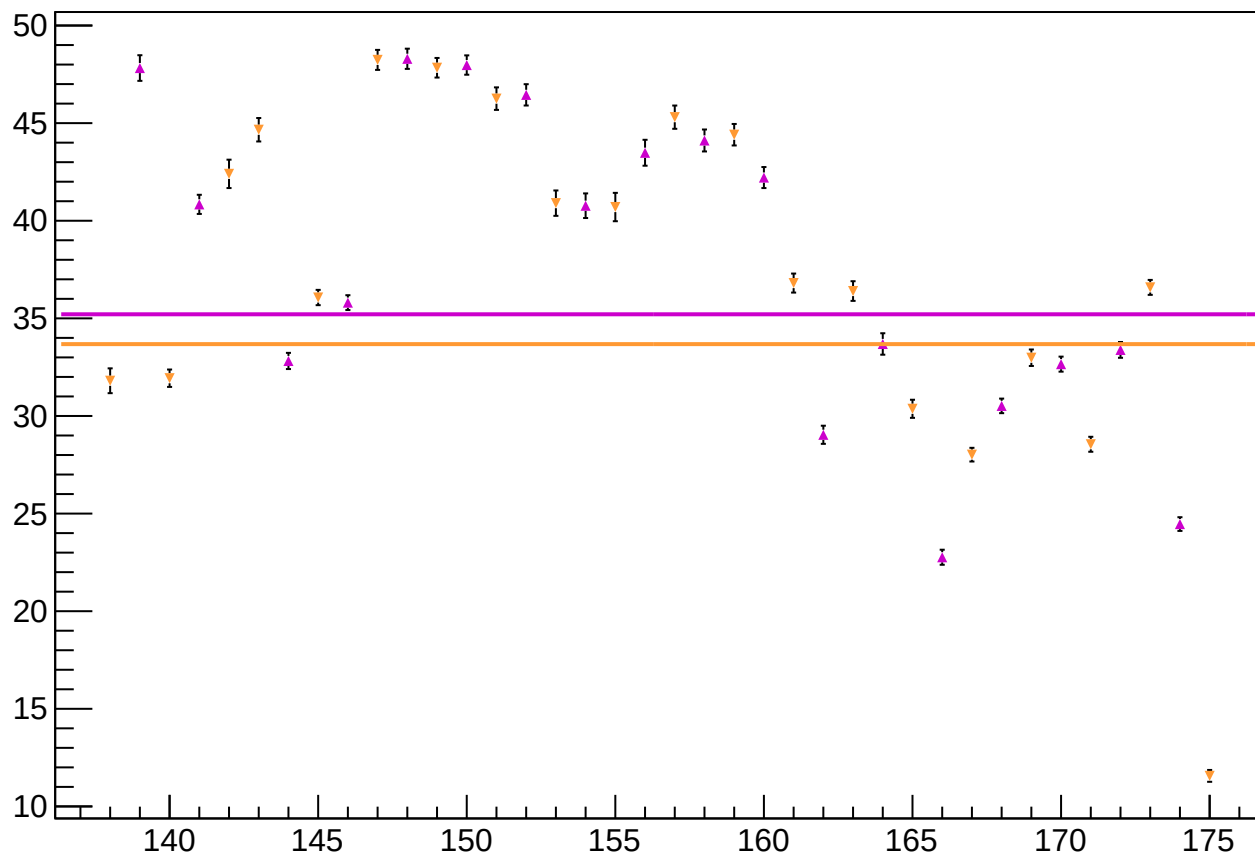
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.724+/-0.078 χ^2/NDF :3245.6/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.166+/-0.080 χ^2/NDF :1685.7/17

Left: 2.938+/-0.056 χ^2/NDF : 4946.9/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.166+/-0.080 χ^2/NDF :1685.7/17
 Out: 2.724+/-0.078 χ^2/NDF :3245.6/19
 All: 2.938+/-0.056 χ^2/NDF : 4946.9/37

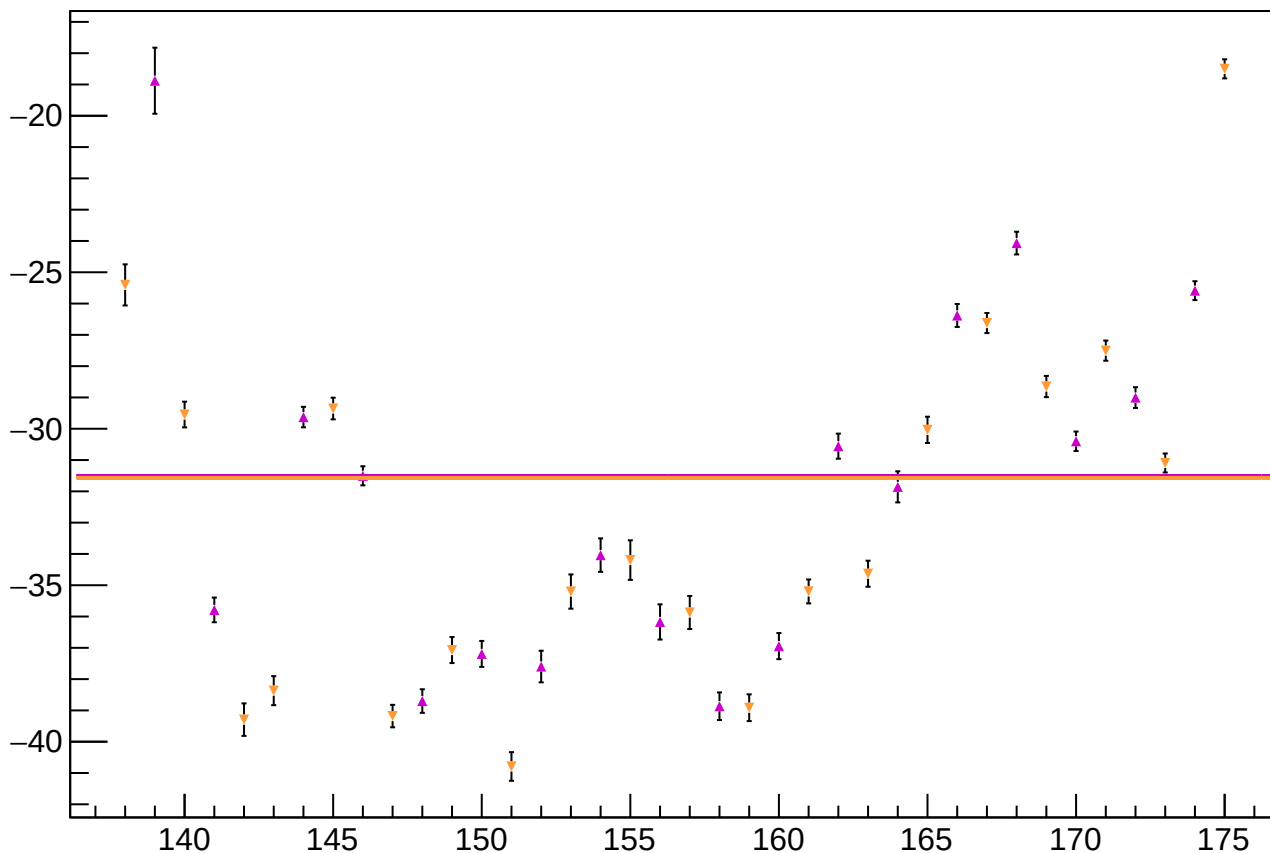
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 33.680+/-0.105 χ^2/NDF : 9528.2/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 35.208+/-0.109 χ^2/NDF : 5298.6/17

Left: 34.417+/-0.075 χ^2/NDF : 14929.1/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 35.208+/-0.109 χ^2/NDF : 5298.6/17
 Out: 33.680+/-0.105 χ^2/NDF : 9528.2/19
 All: 34.417+/-0.075 χ^2/NDF : 14929.1/37

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: -31.573+/-0.089 χ^2/NDF : 4507.6/19

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

Left In: -31.510+/-0.092 χ^2/NDF : 2612.0/17

Left: -31.542+/-0.064 χ^2/NDF : 7119.8/37

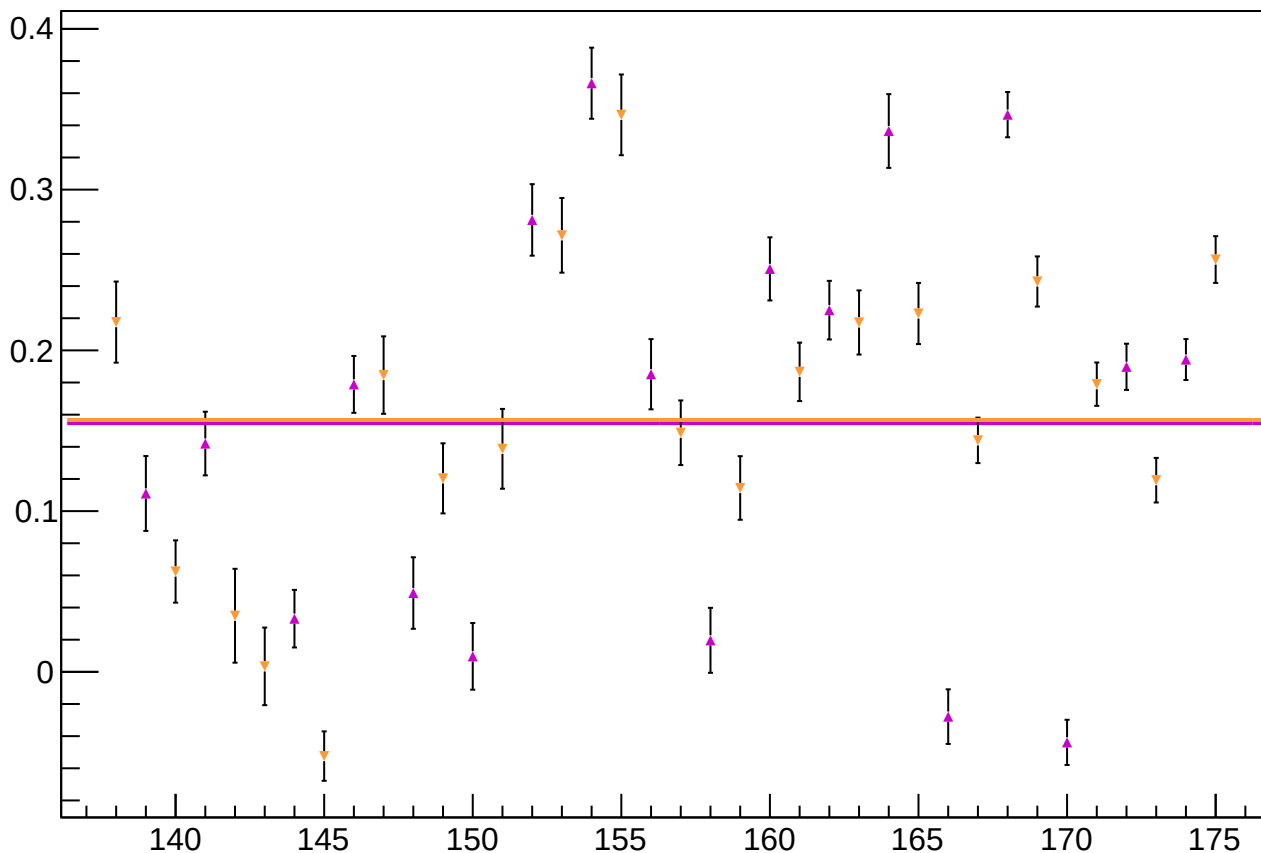
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.510+/-0.092 χ^2/NDF : 2612.0/17

Out: -31.573+/-0.089 χ^2/NDF : 4507.6/19

All: -31.542+/-0.064 χ^2/NDF : 7119.8/37

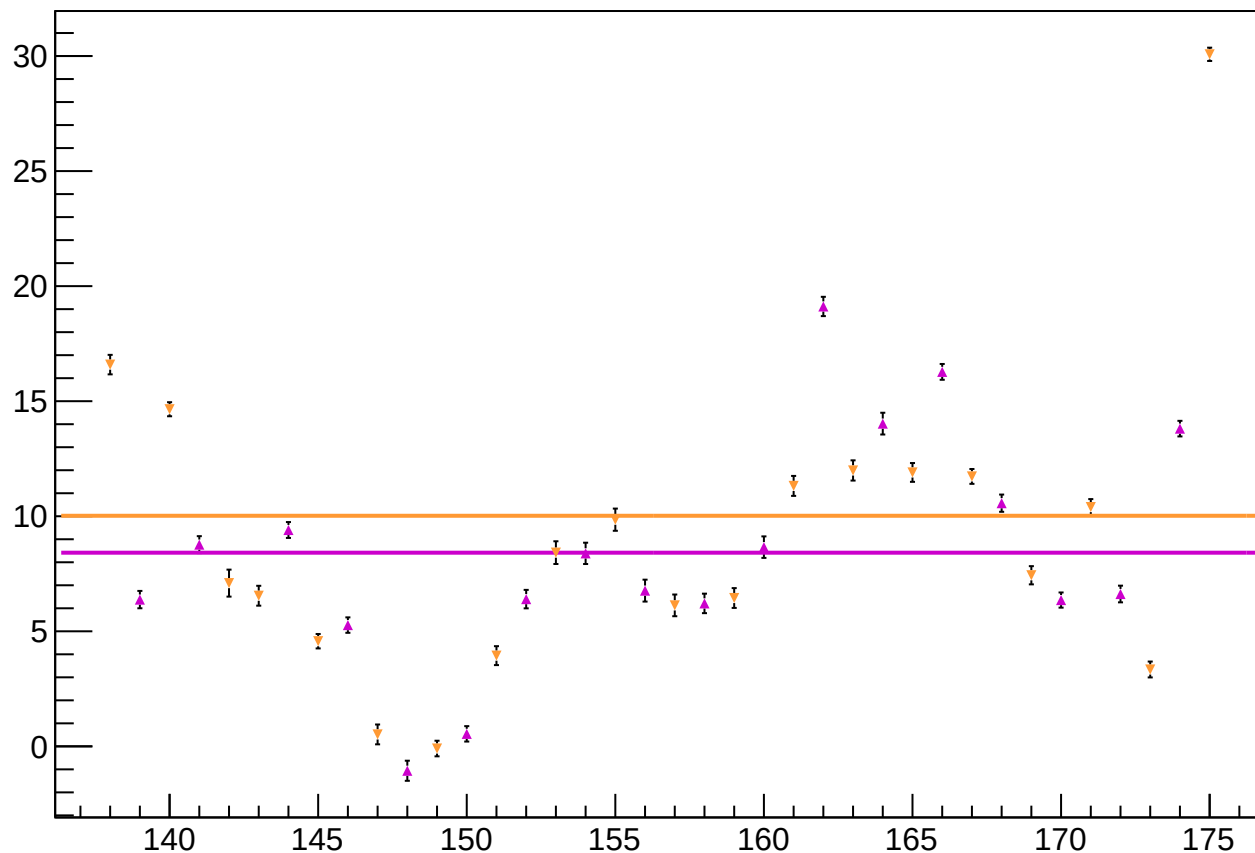
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.157 $\pm$ 0.004 χ^2 /NDF:475.5/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.155 $\pm$ 0.004 χ^2 /NDF:911.5/17

Left: 0.156 $\pm$ 0.003 χ^2 /NDF: 1387.1/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.155 $\pm$ 0.004 χ^2 /NDF:911.5/17
 Out: 0.157 $\pm$ 0.004 χ^2 /NDF:475.5/19
 All: 0.156 $\pm$ 0.003 χ^2 /NDF: 1387.1/37

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 10.021 $\pm$ 0.086 χ^2 /NDF:7915.5/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 8.416 $\pm$ 0.090 χ^2 /NDF:2879.7/17

Left: 9.255 $\pm$ 0.062 χ^2 /NDF: 10960.2/37

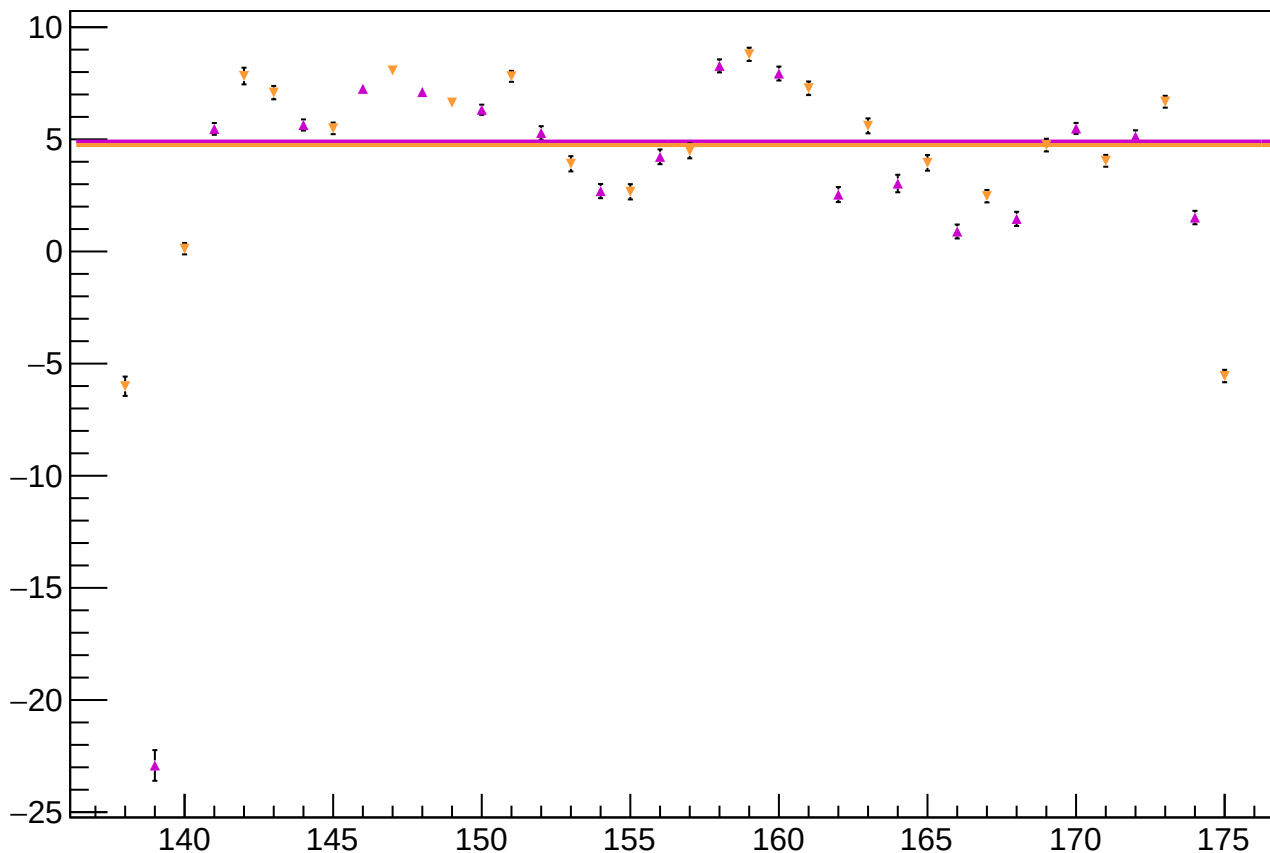
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 8.416 $\pm$ 0.090 χ^2 /NDF:2879.7/17

Out: 10.021 $\pm$ 0.086 χ^2 /NDF:7915.5/19

All: 9.255 $\pm$ 0.062 χ^2 /NDF: 10960.2/37

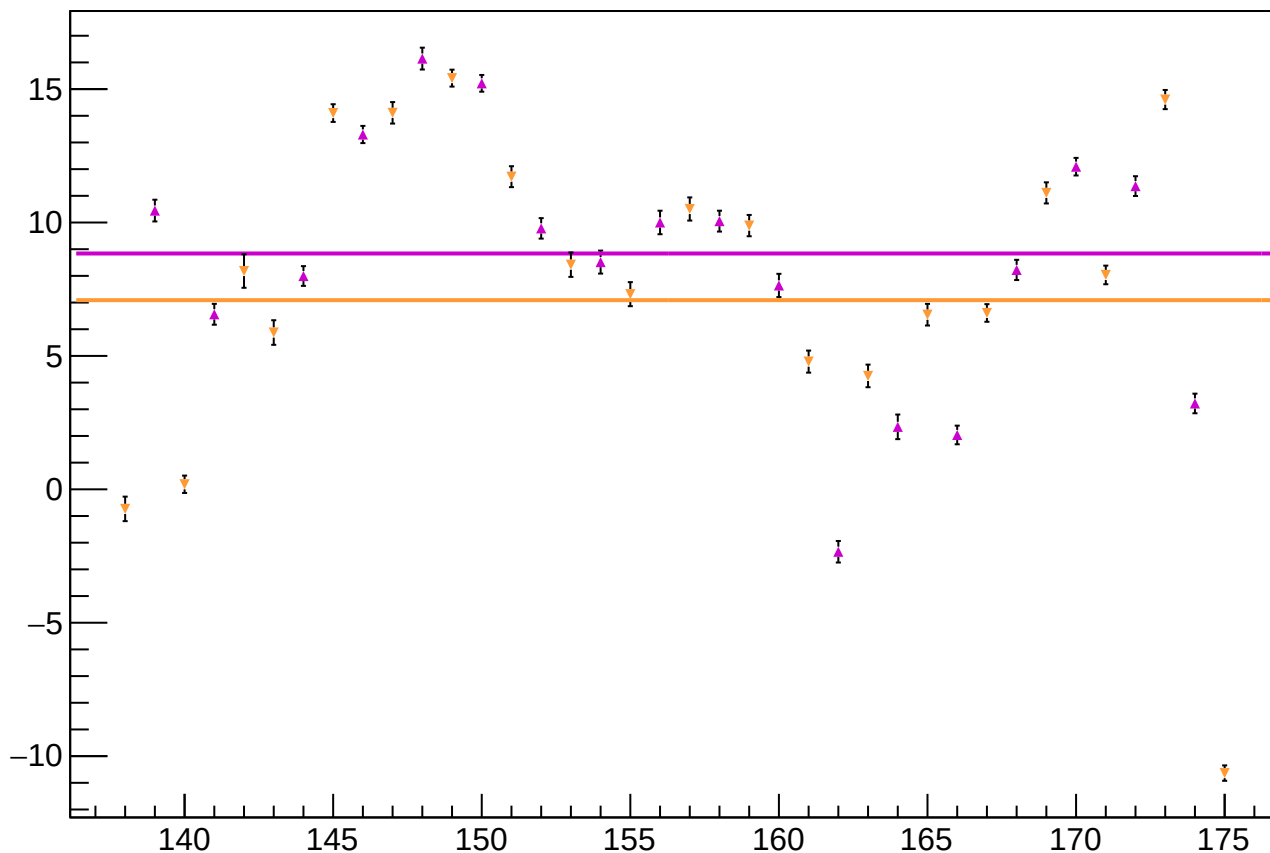
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.746+/-0.064 χ^2/NDF :3398.1/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.901+/-0.067 χ^2/NDF :2706.6/17

Left: 4.820+/-0.046 χ^2/NDF : 6107.5/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.901+/-0.067 χ^2/NDF :2706.6/17
 Out: 4.746+/-0.064 χ^2/NDF :3398.1/19
 All: 4.820+/-0.046 χ^2/NDF : 6107.5/37

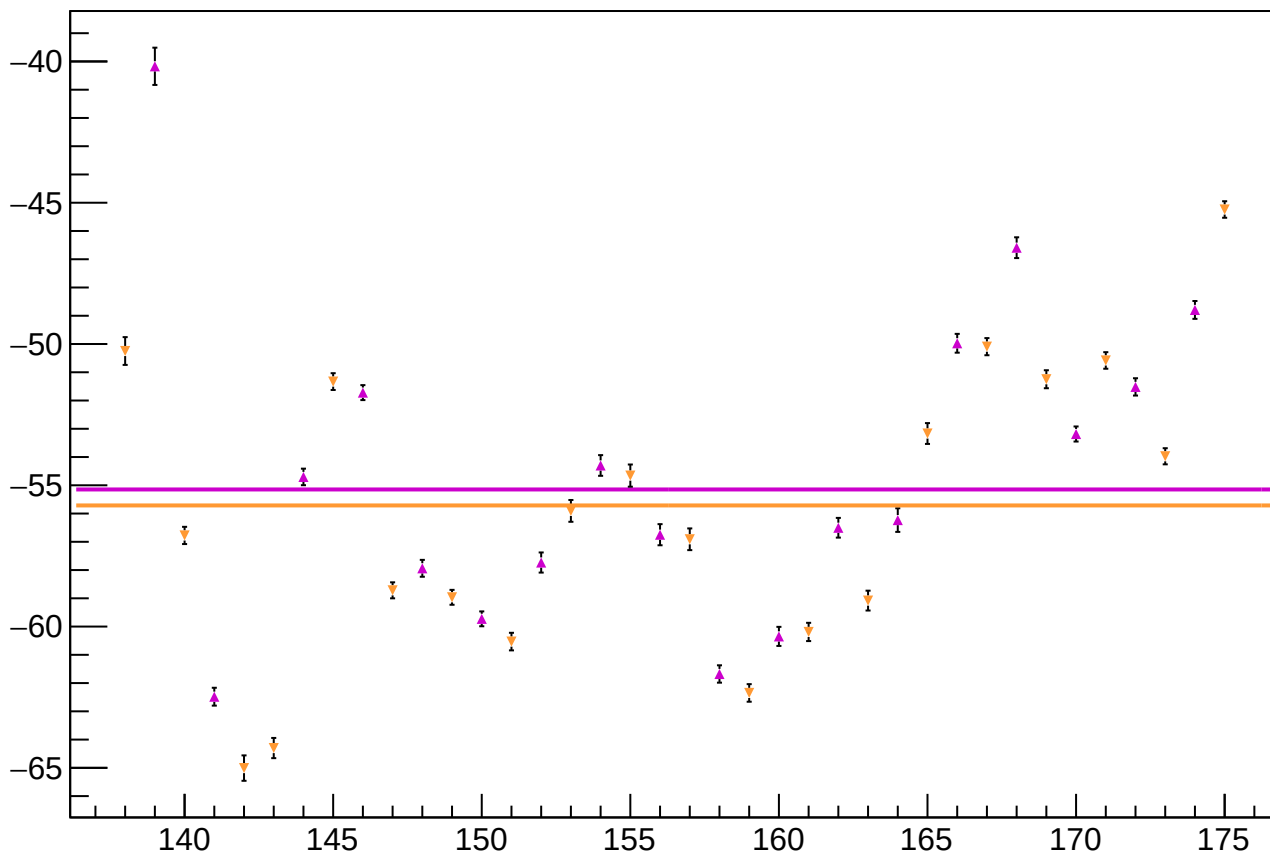
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.090 $\pm$ 0.086 χ^2 /NDF:6843.5/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 8.839 $\pm$ 0.090 χ^2 /NDF:2733.5/17

Left: 7.928 $\pm$ 0.062 χ^2 /NDF: 9775.5/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 8.839 $\pm$ 0.090 χ^2 /NDF:2733.5/17
 Out: 7.090 $\pm$ 0.086 χ^2 /NDF:6843.5/19
 All: 7.928 $\pm$ 0.062 χ^2 /NDF: 9775.5/37

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: -55.713+/-0.073 χ^2/NDF :4831.9/19

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

Left In: -55.148+/-0.077 χ^2/NDF :3784.5/17

Left: -55.444+/-0.053 χ^2/NDF : 8645.0/37

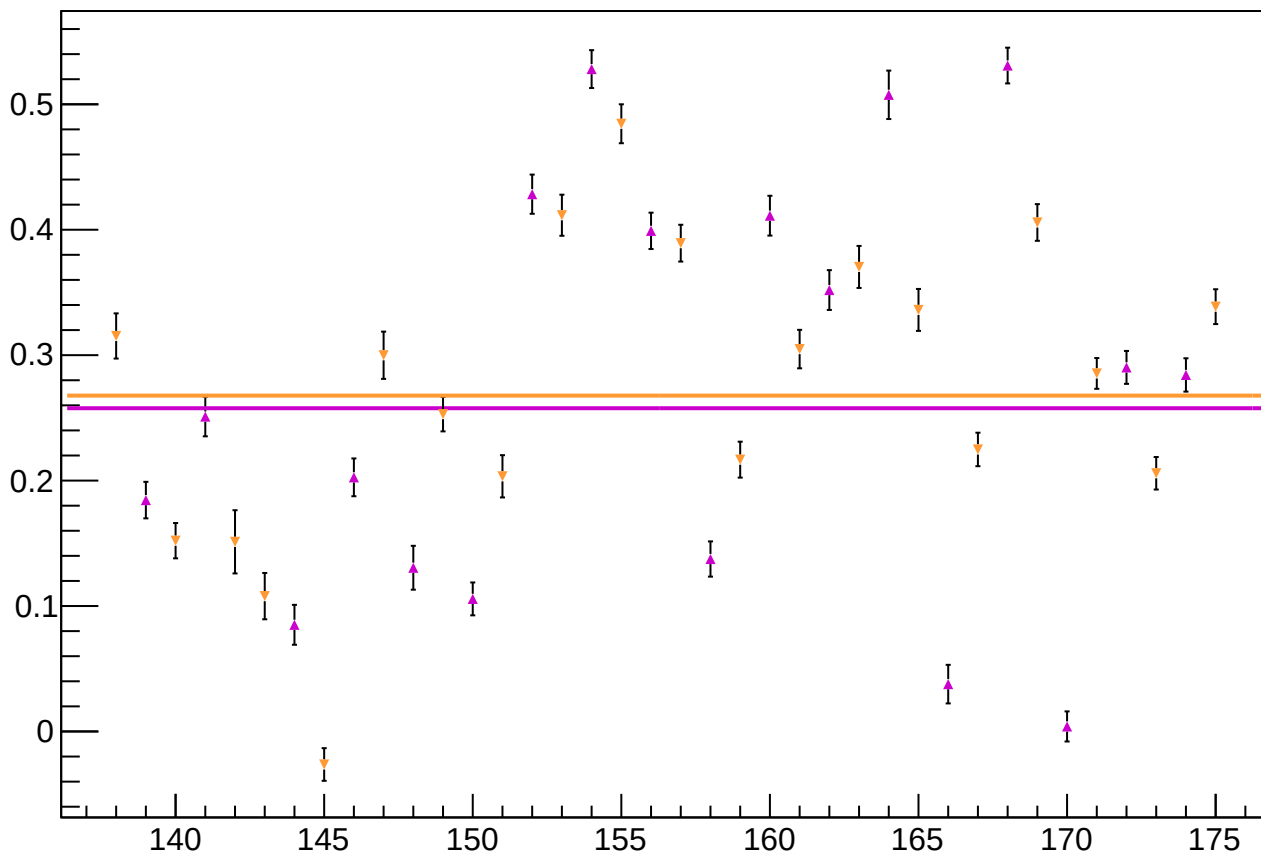
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -55.148+/-0.077 χ^2/NDF :3784.5/17

Out: -55.713+/-0.073 χ^2/NDF :4831.9/19

All: -55.444+/-0.053 χ^2/NDF : 8645.0/37

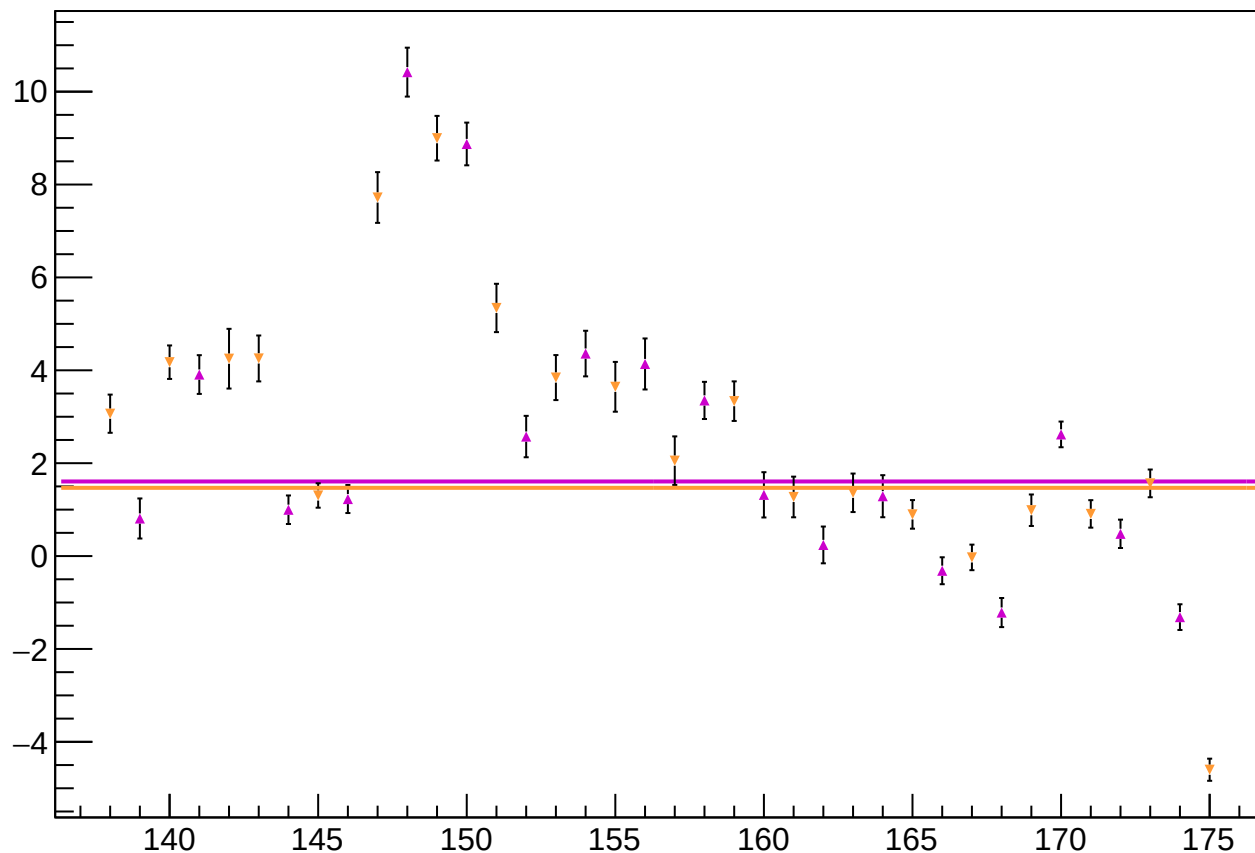
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.268+/-0.003 χ^2/NDF :1264.4/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.258+/-0.003 χ^2/NDF :2278.3/17

Left: 0.263+/-0.002 χ^2/NDF : 3547.1/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.258+/-0.003 χ^2/NDF :2278.3/17
 Out: 0.268+/-0.003 χ^2/NDF :1264.4/19
 All: 0.263+/-0.002 χ^2/NDF : 3547.1/37

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: 1.469 $\pm$ 0.083 χ^2 /NDF:1303.0/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 1.606 $\pm$ 0.086 χ^2 /NDF:921.8/17

Left: 1.535 $\pm$ 0.060 χ^2 /NDF: 2226.1/37

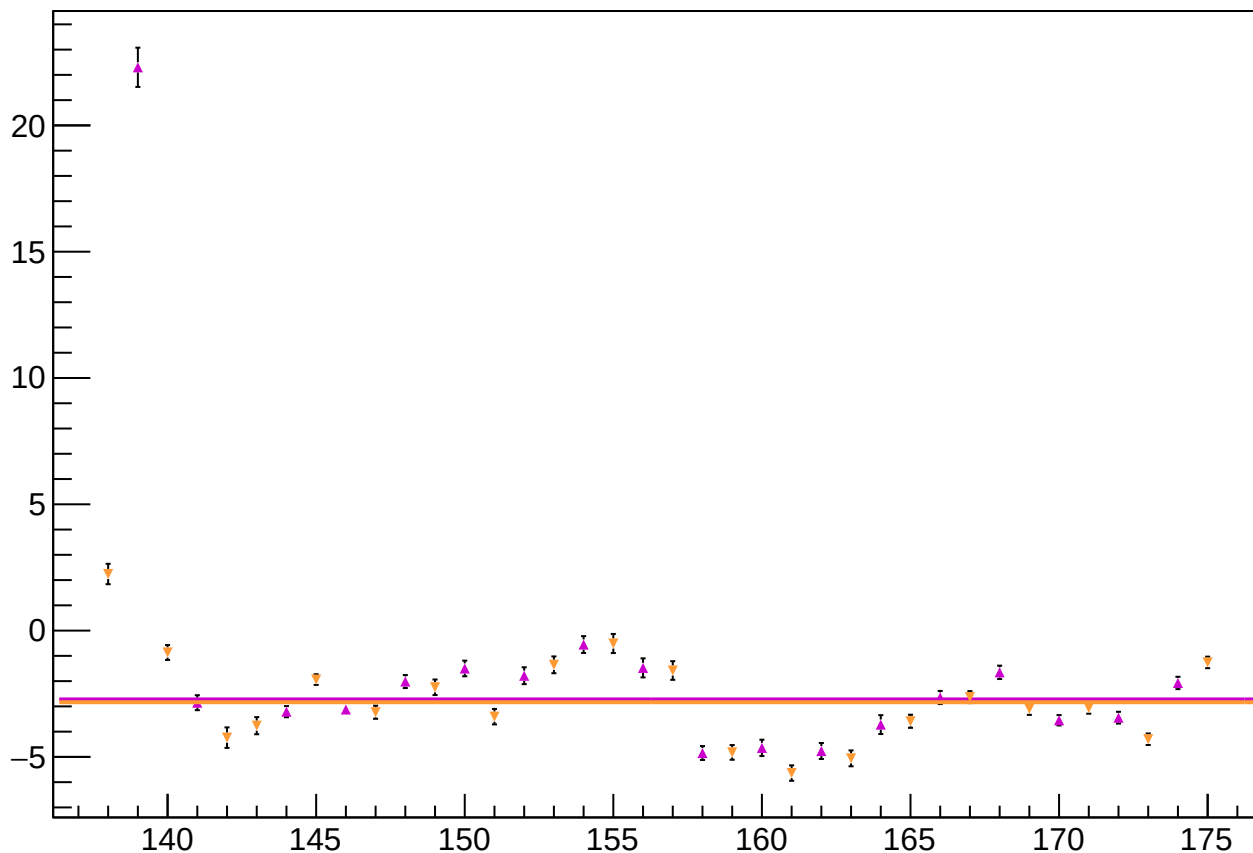
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 1.606 $\pm$ 0.086 χ^2 /NDF:921.8/17

Out: 1.469 $\pm$ 0.083 χ^2 /NDF:1303.0/19

All: 1.535 $\pm$ 0.060 χ^2 /NDF: 2226.1/37

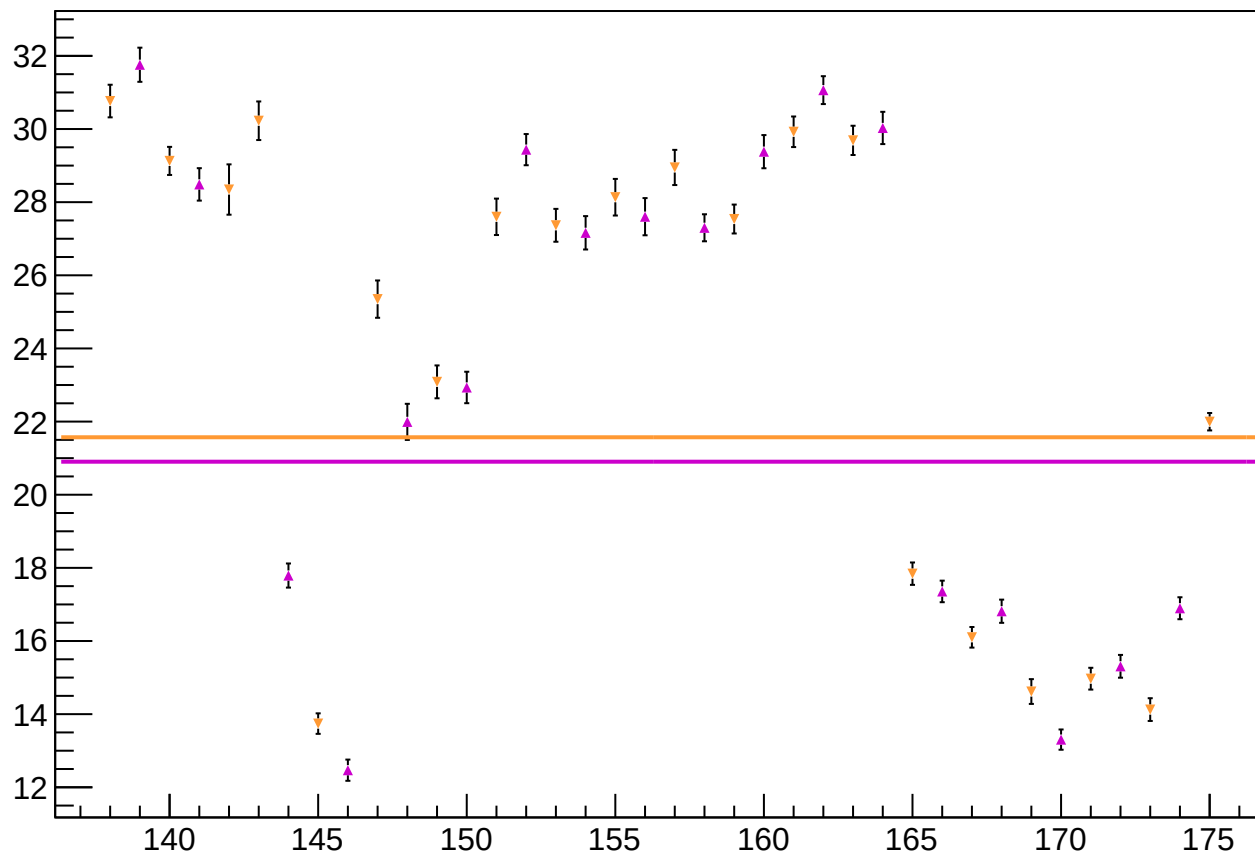
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.835+/-0.063 χ^2/NDF :598.8/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.725+/-0.065 χ^2/NDF :1323.5/17

Left: -2.782+/-0.045 χ^2/NDF : 1923.8/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.725+/-0.065 χ^2/NDF :1323.5/17
 Out: -2.835+/-0.063 χ^2/NDF :598.8/19
 All: -2.782+/-0.045 χ^2/NDF : 1923.8/37

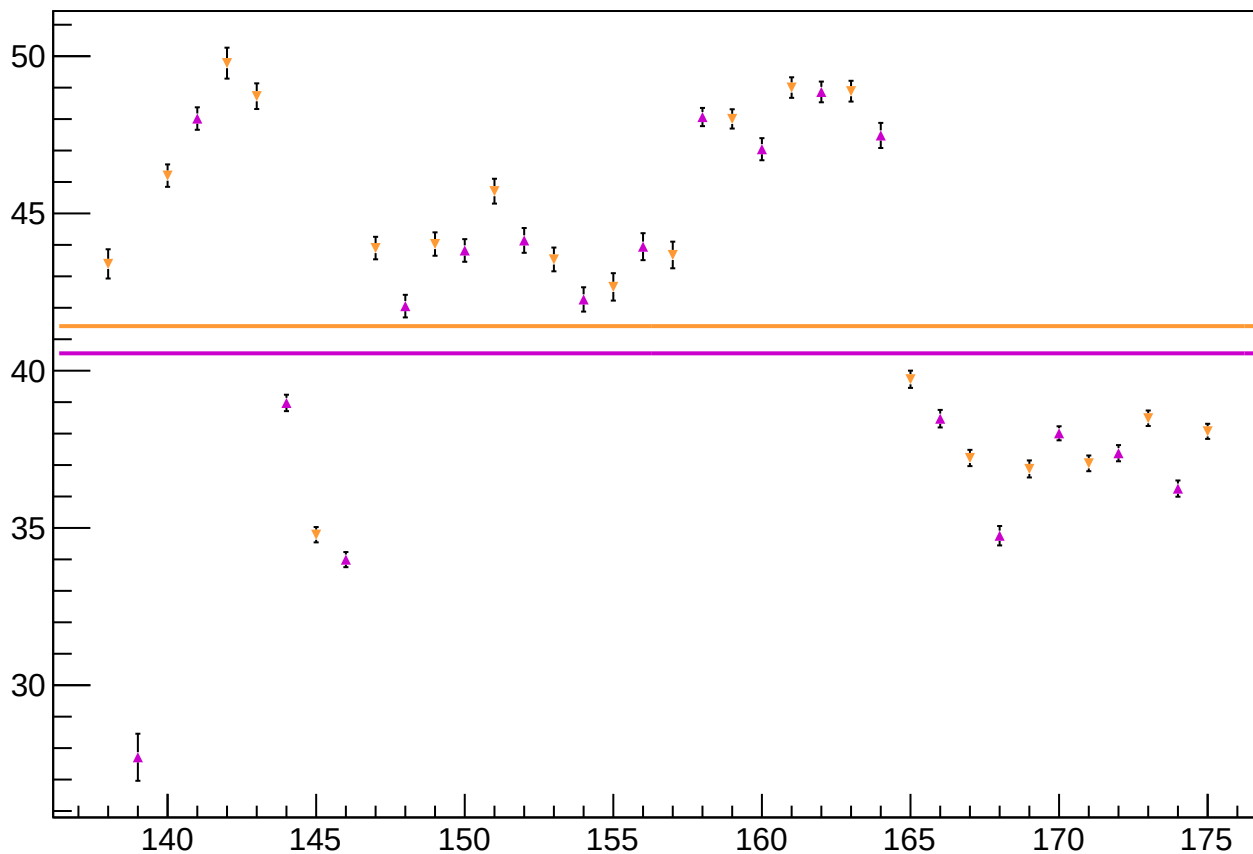
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 21.571+/-0.083 χ^2/NDF :5798.6/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 20.903+/-0.086 χ^2/NDF :5908.9/17

Left: 21.251+/-0.060 χ^2/NDF : 11738.7/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 20.903+/-0.086 χ^2/NDF :5908.9/17
 Out: 21.571+/-0.083 χ^2/NDF :5798.6/19
 All: 21.251+/-0.060 χ^2/NDF : 11738.7/37

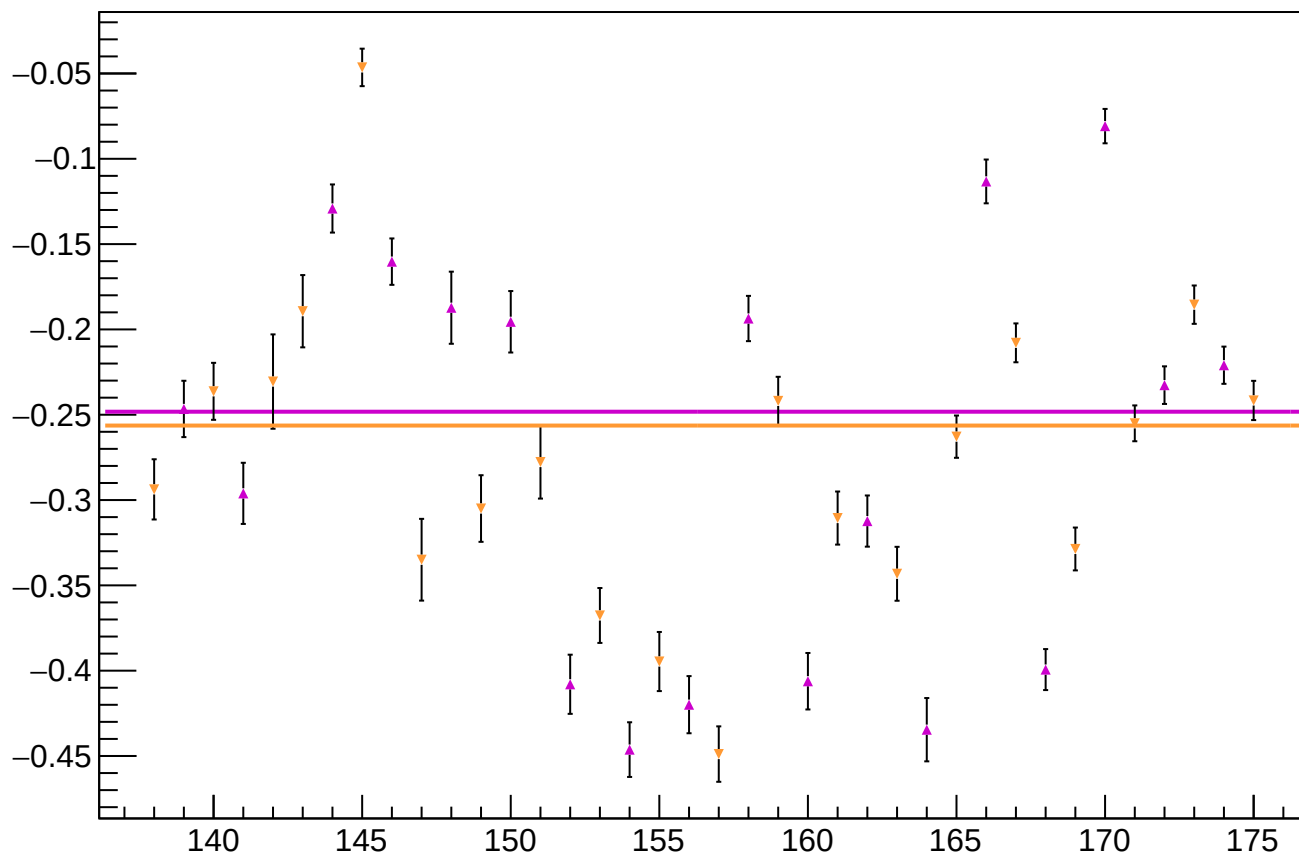
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 41.417+/-0.071 χ^2/NDF : 4562.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 40.552+/-0.074 χ^2/NDF : 4697.1/17

Left: 41.001+/-0.051 χ^2/NDF : 9331.5/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 40.552+/-0.074 χ^2/NDF : 4697.1/17
 Out: 41.417+/-0.071 χ^2/NDF : 4562.7/19
 All: 41.001+/-0.051 χ^2/NDF : 9331.5/37

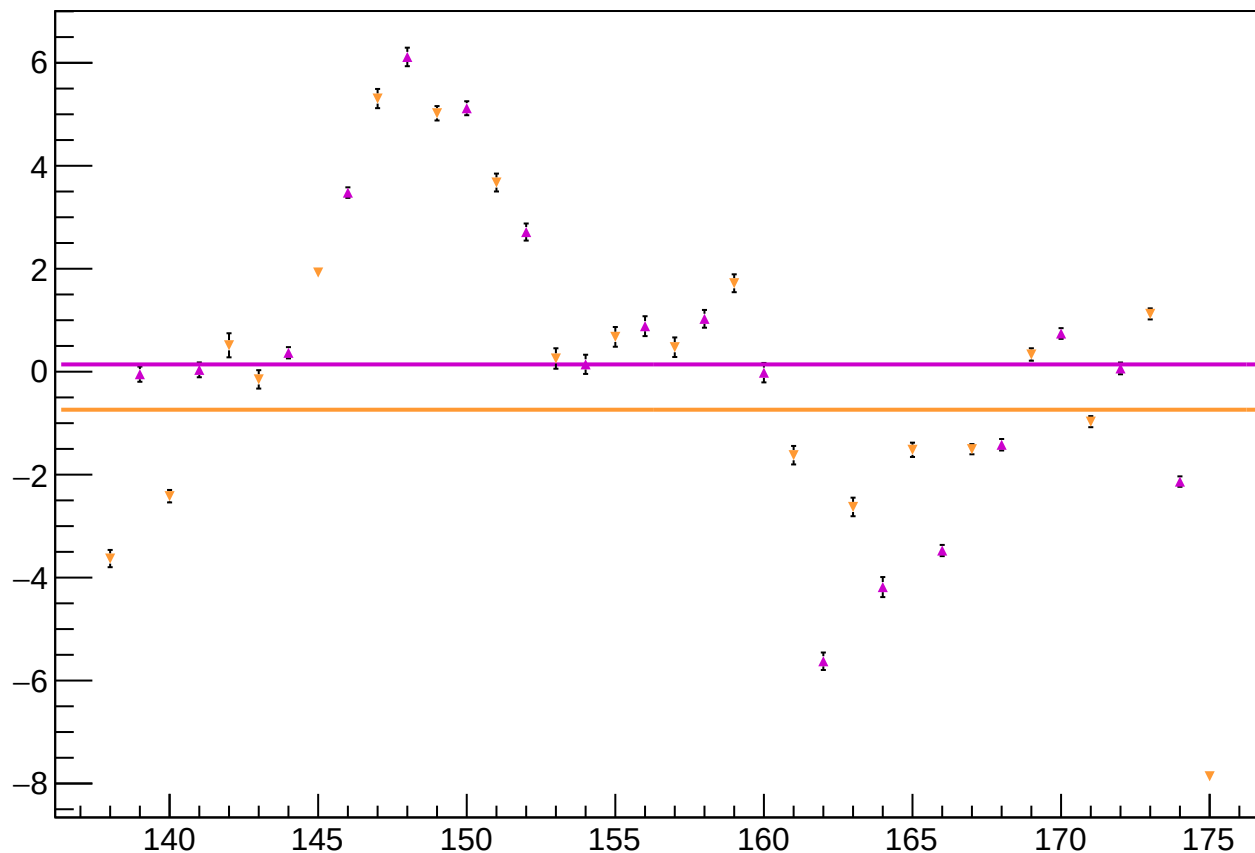
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.256 $\pm$ 0.003 χ^2 /NDF:788.3/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.248 $\pm$ 0.003 χ^2 /NDF:1259.9/17

Left: -0.252 $\pm$ 0.002 χ^2 /NDF: 2051.3/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.248 $\pm$ 0.003 χ^2 /NDF:1259.9/17
 Out: -0.256 $\pm$ 0.003 χ^2 /NDF:788.3/19
 All: -0.252 $\pm$ 0.002 χ^2 /NDF: 2051.3/37

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



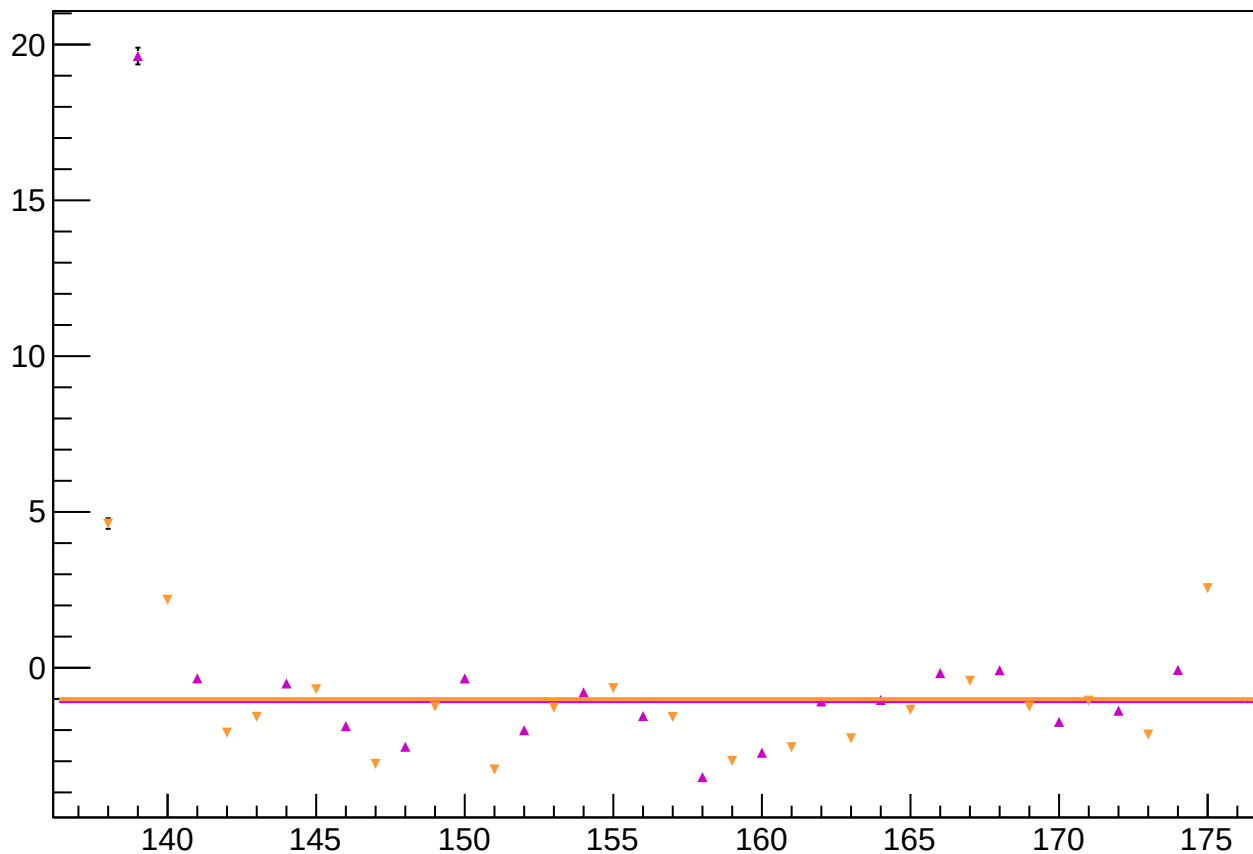
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.739+/-0.030 χ^2/NDF :12267.4/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.141+/-0.032 χ^2/NDF :7280.0/17

Left: -0.315+/-0.022 χ^2/NDF : 19950.1/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.141+/-0.032 χ^2/NDF :7280.0/17
 Out: -0.739+/-0.030 χ^2/NDF :12267.4/19

All: -0.315+/-0.022 χ^2/NDF : 19950.1/37

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



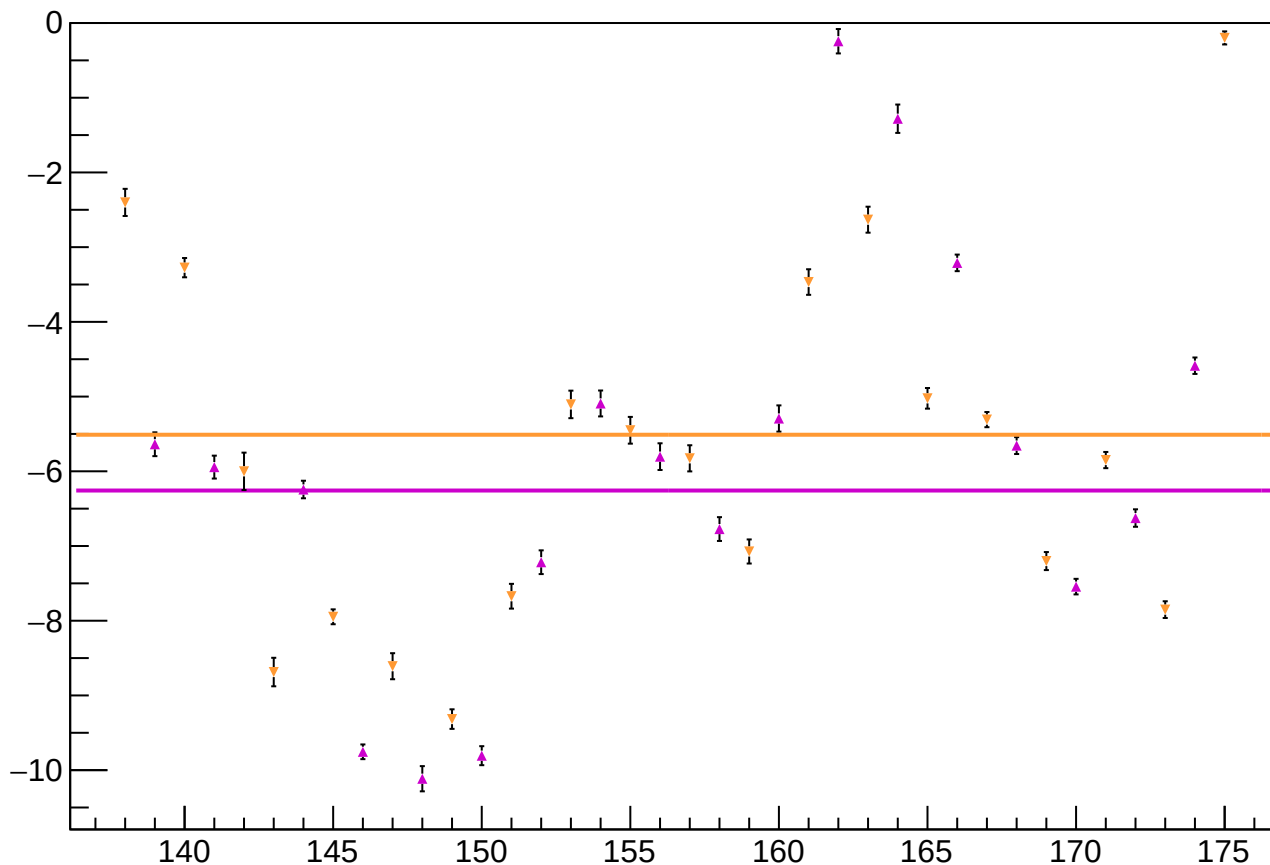
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.007+/-0.023 χ^2/NDF : 5830.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.073+/-0.024 χ^2/NDF : 7578.4/17

Left: -1.039+/-0.016 χ^2/NDF : 13413.1/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.073+/-0.024 χ^2/NDF : 7578.4/17
 Out: -1.007+/-0.023 χ^2/NDF : 5830.7/19

All: -1.039+/-0.016 χ^2/NDF : 13413.1/37

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



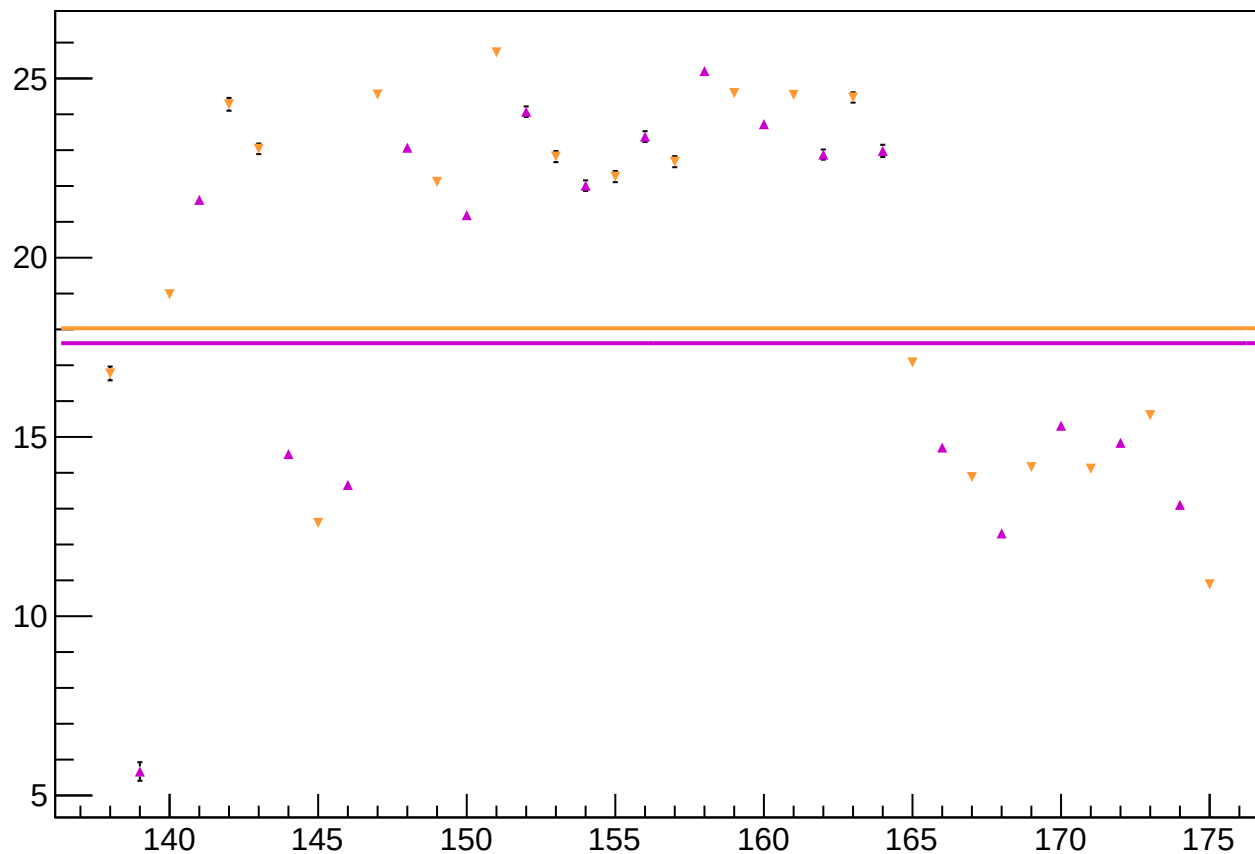
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.511+/-0.031 χ^2/NDF : 7664.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.257+/-0.032 χ^2/NDF : 5930.7/17

Left: -5.871+/-0.022 χ^2/NDF : 13884.7/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.257+/-0.032 χ^2/NDF : 5930.7/17
 Out: -5.511+/-0.031 χ^2/NDF : 7664.7/19

All: -5.871+/-0.022 χ^2/NDF : 13884.7/37

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 18.032+/-0.026 χ^2/NDF :36363.9/19

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

Left In: 17.615+/-0.027 χ^2/NDF :28918.5/17

Left: 17.830+/-0.019 χ^2/NDF : 65404.8/37

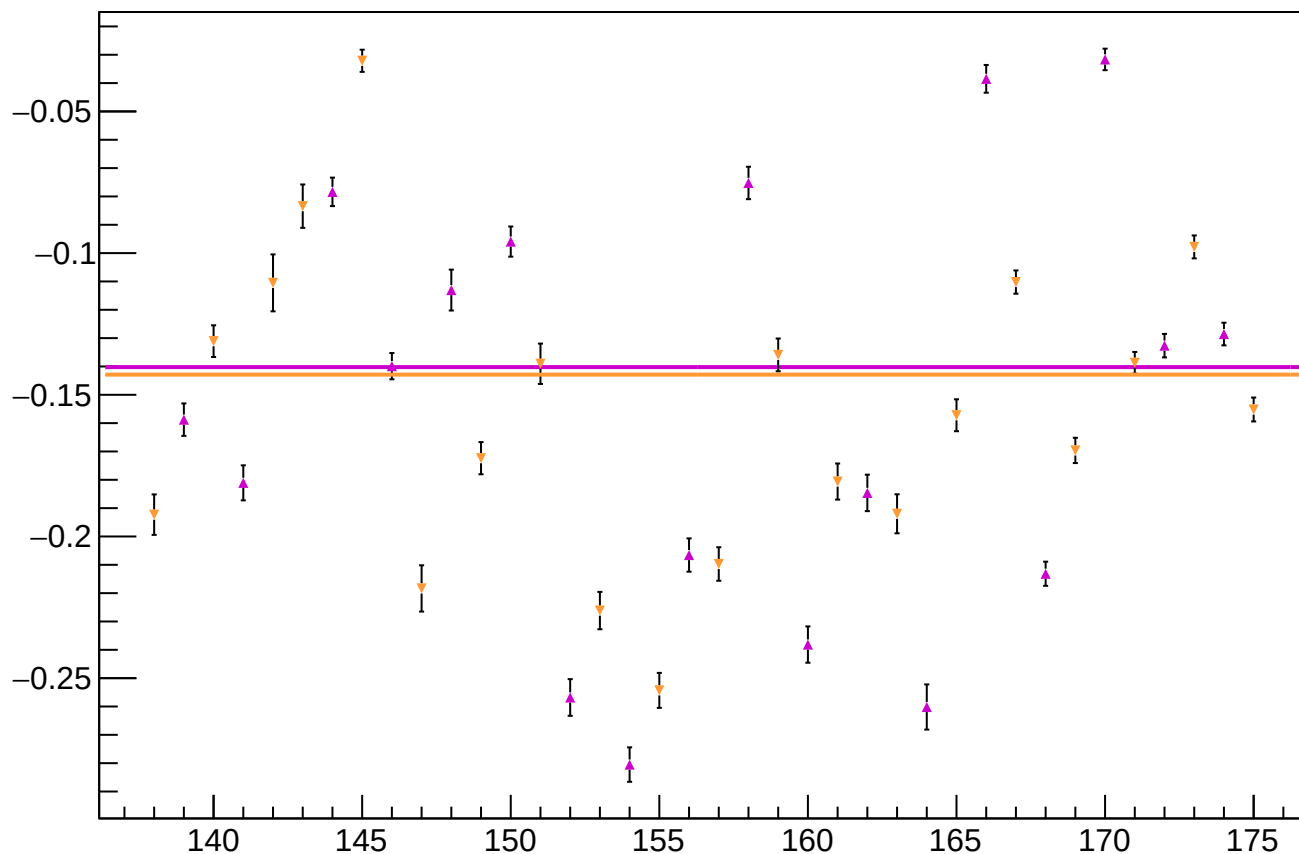
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 17.615+/-0.027 χ^2/NDF :28918.5/17

Out: 18.032+/-0.026 χ^2/NDF :36363.9/19

All: 17.830+/-0.019 χ^2/NDF : 65404.8/37

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.143 $\pm$ 0.001 χ^2 /NDF:1979.5/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.140 $\pm$ 0.001 χ^2 /NDF:3465.1/17

Left: -0.142 $\pm$ 0.001 χ^2 /NDF: 5446.9/37

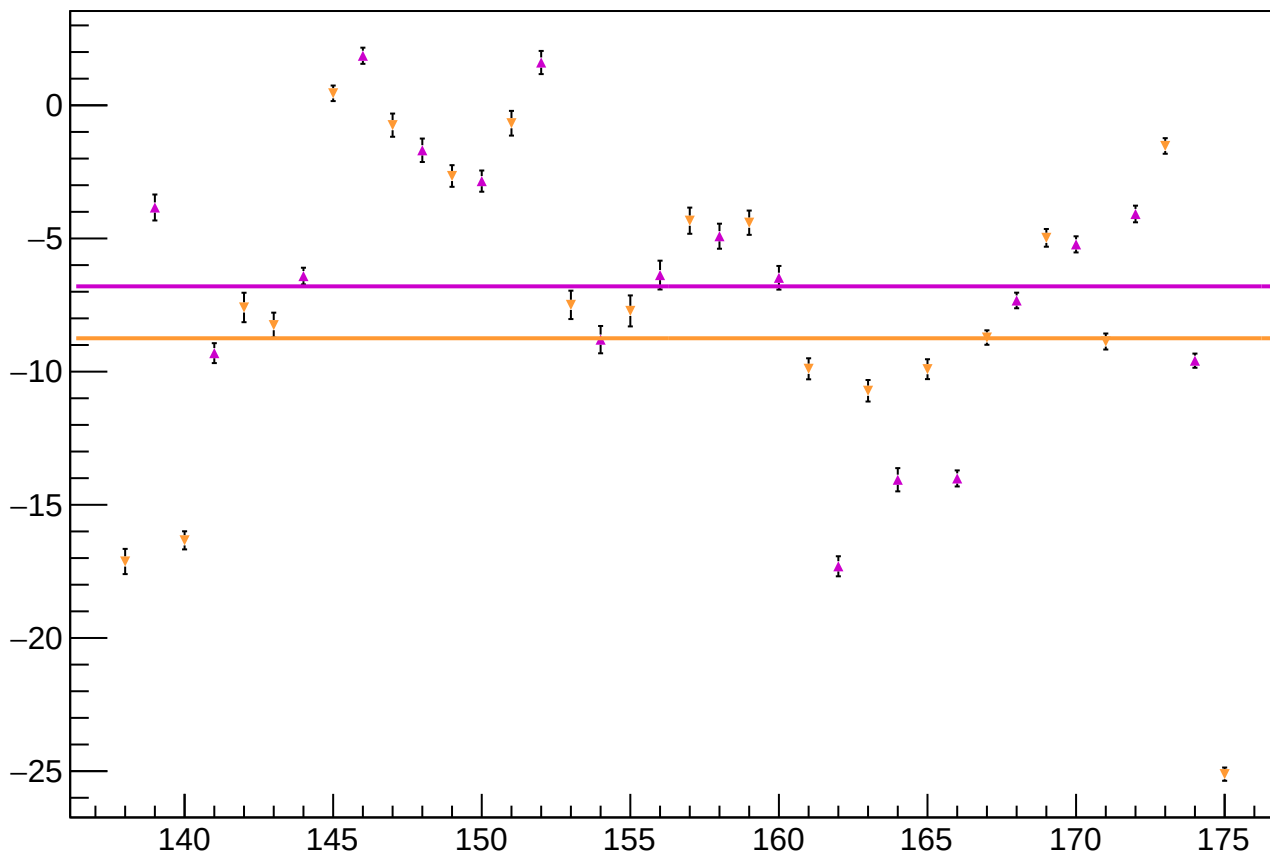
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.140 $\pm$ 0.001 χ^2 /NDF:3465.1/17

Out: -0.143 $\pm$ 0.001 χ^2 /NDF:1979.5/19

All: -0.142 $\pm$ 0.001 χ^2 /NDF: 5446.9/37

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



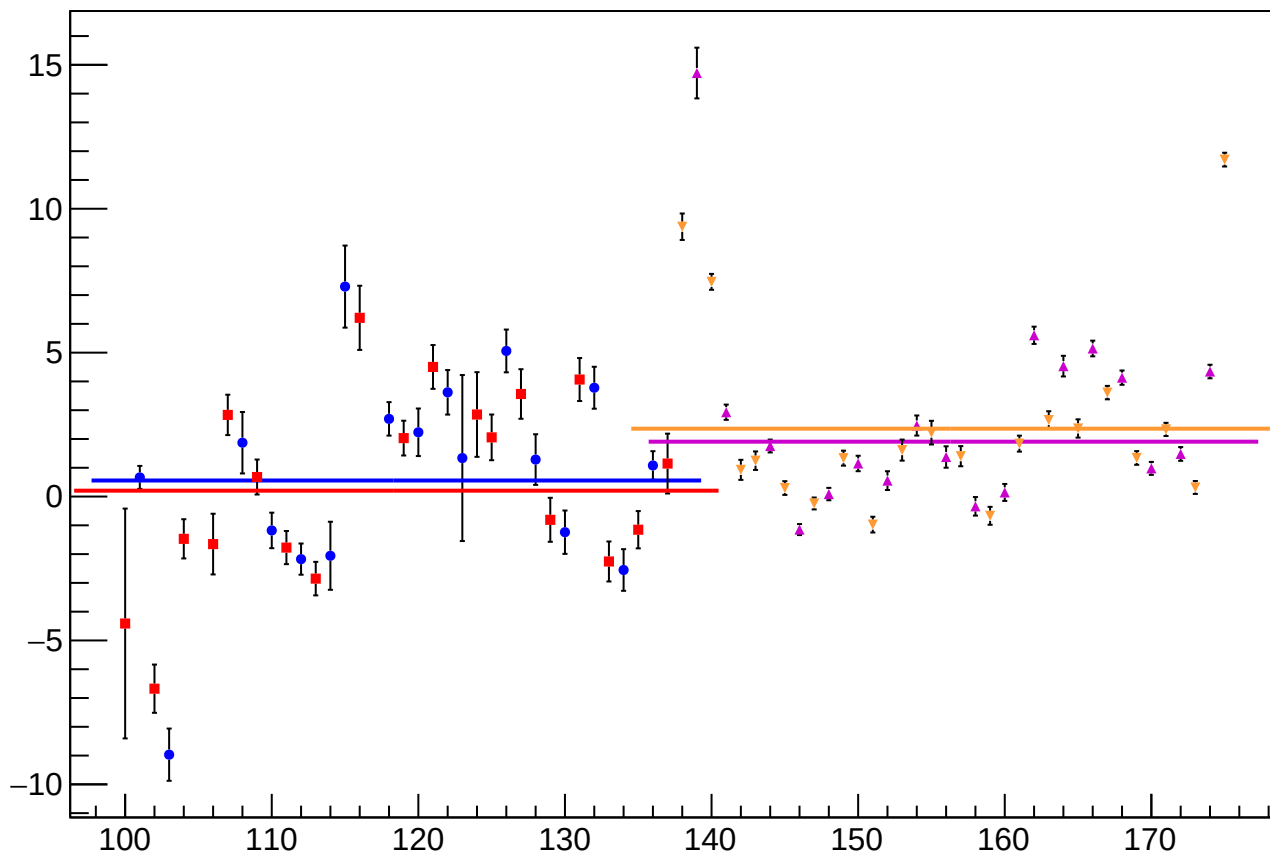
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -8.747 $\pm$ 0.083 χ^2/NDF :7942.6/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -6.798 $\pm$ 0.086 χ^2/NDF :3380.0/17

Left: -7.804 $\pm$ 0.060 χ^2/NDF : 11589.4/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -6.798 $\pm$ 0.086 χ^2/NDF :3380.0/17
 Out: -8.747 $\pm$ 0.083 χ^2/NDF :7942.6/19

All: -7.804 $\pm$ 0.060 χ^2/NDF : 11589.4/37

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: 2.139 ± 0.044 χ^2/NDF : 4015.5/37

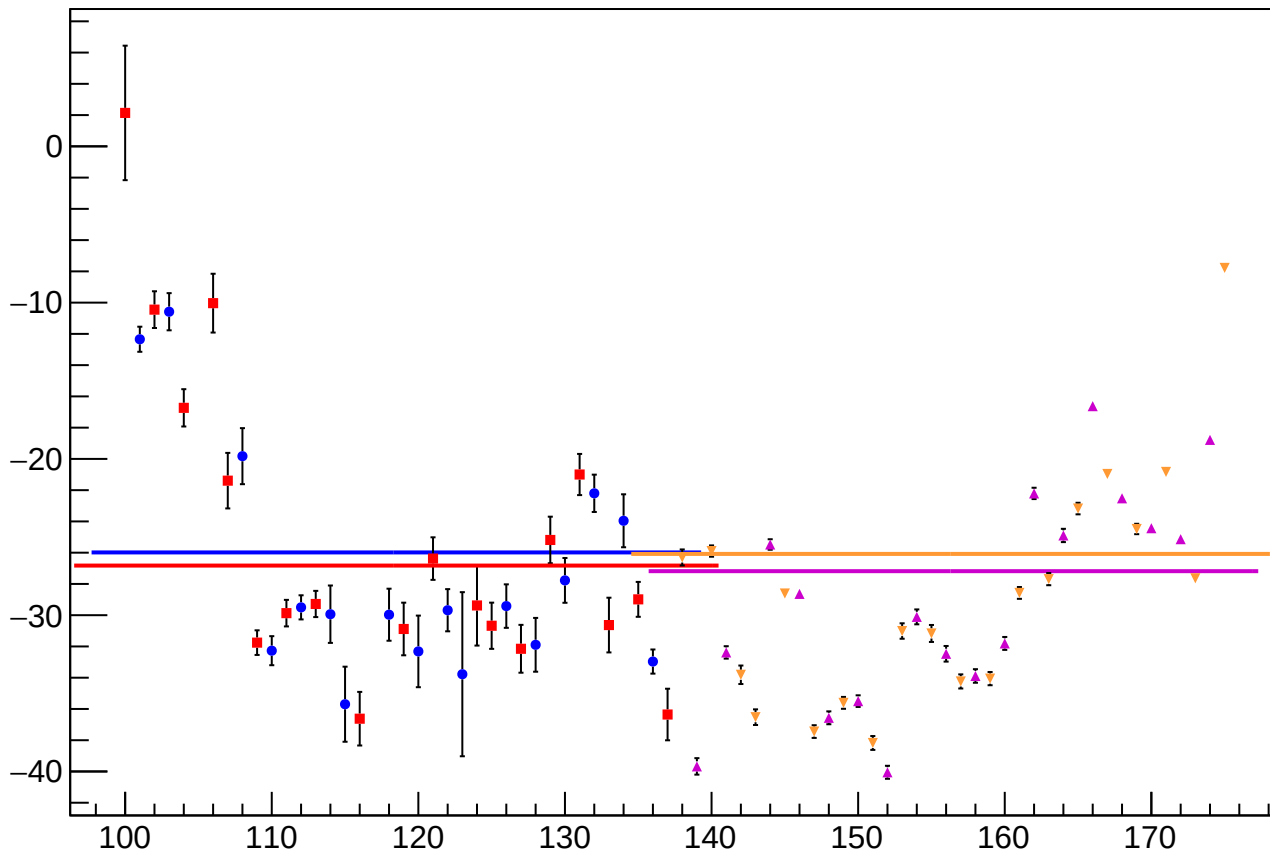
Right: 0.386 ± 0.122 χ^2/NDF : 562.1/35

In: 1.742 ± 0.059 χ^2/NDF : 1565.3/34

Out: 2.119 ± 0.058 χ^2/NDF : 3174.6/38

All: 1.934 ± 0.042 χ^2/NDF : 4760.4/73

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: -26.079 ± 0.083 χ^2/NDF : 9879.5/19

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

Left In: -27.183 ± 0.086 χ^2/NDF : 5878.2/17

Left: -26.614 ± 0.060 χ^2/NDF : 15843.6/37

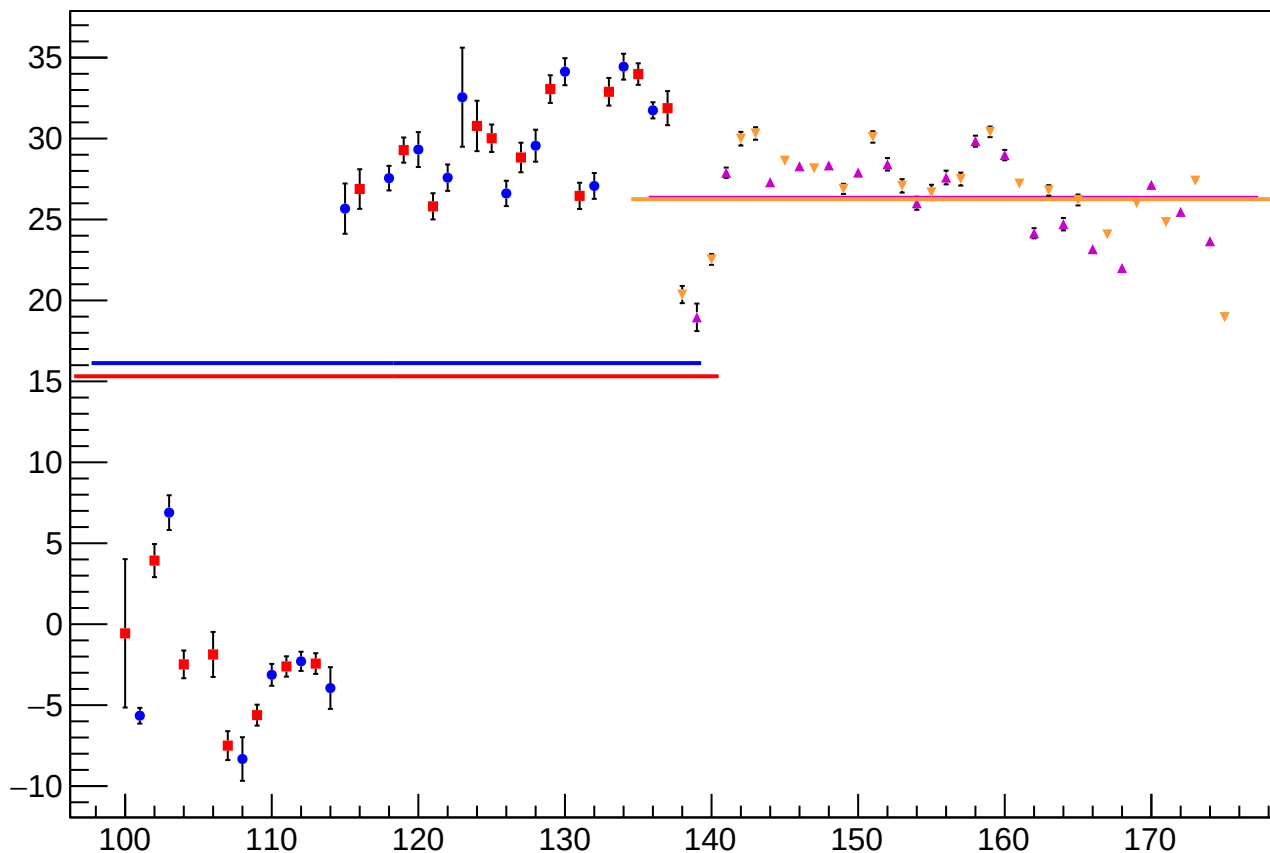
Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35

In: -27.093 ± 0.082 χ^2/NDF : 6584.5/34

Out: -26.133 ± 0.080 χ^2/NDF : 10466.9/38

All: -26.599 ± 0.057 χ^2/NDF : 17121.5/73

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: 26.254 $\pm$ 0.070 χ^2 /NDF:1834.0/19

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

Left In: 26.341 $\pm$ 0.073 χ^2 /NDF:1010.0/17

Left: 26.296 $\pm$ 0.051 χ^2 /NDF: 2844.7/37

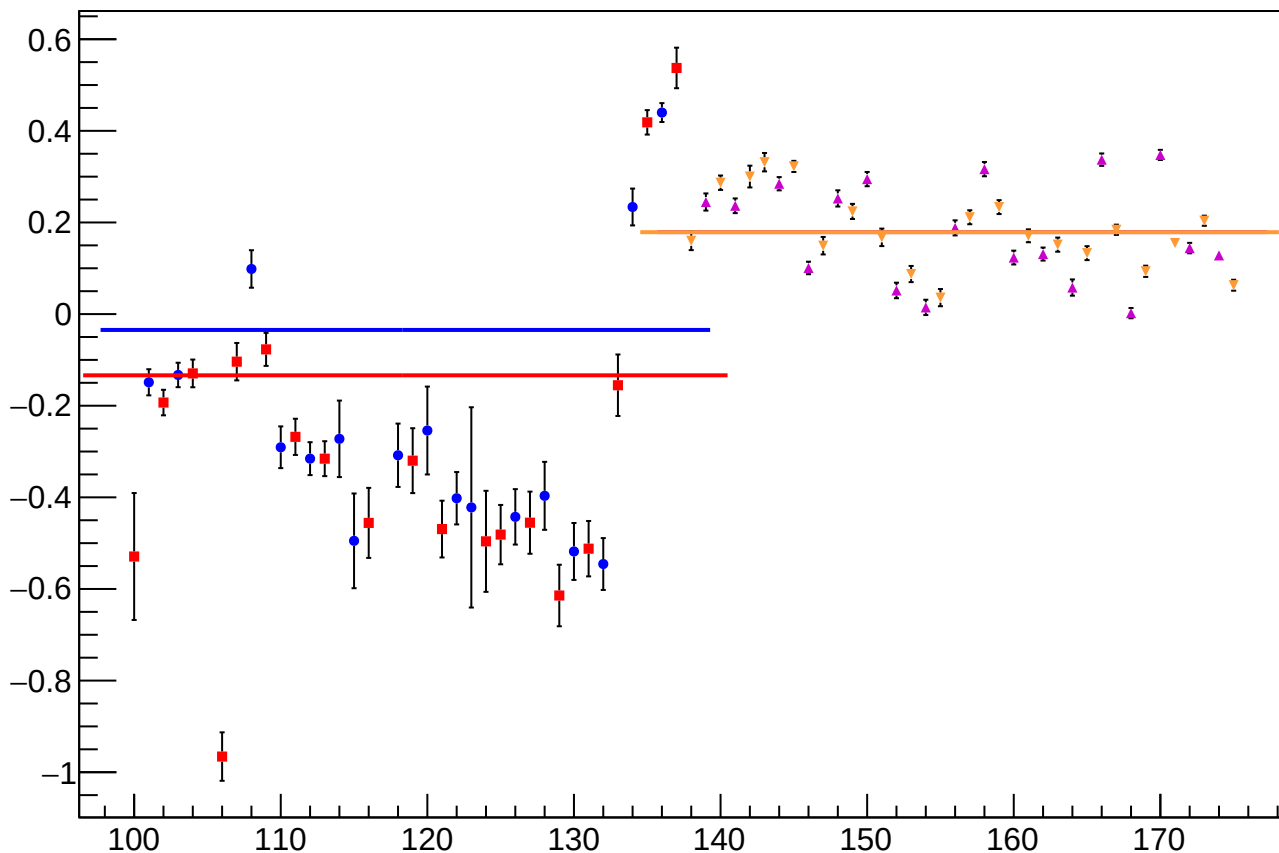
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 25.062 $\pm$ 0.068 χ^2 /NDF:11055.6/34

Out: 25.017 $\pm$ 0.066 χ^2 /NDF:11846.2/38

All: 25.039 $\pm$ 0.047 χ^2 /NDF: 22902.1/73

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: 0.179 ± 0.003 χ^2/NDF : 549.1/19

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

Left In: 0.179 ± 0.003 χ^2/NDF : 1136.6/17

Left: 0.179 ± 0.002 χ^2/NDF : 1685.7/37

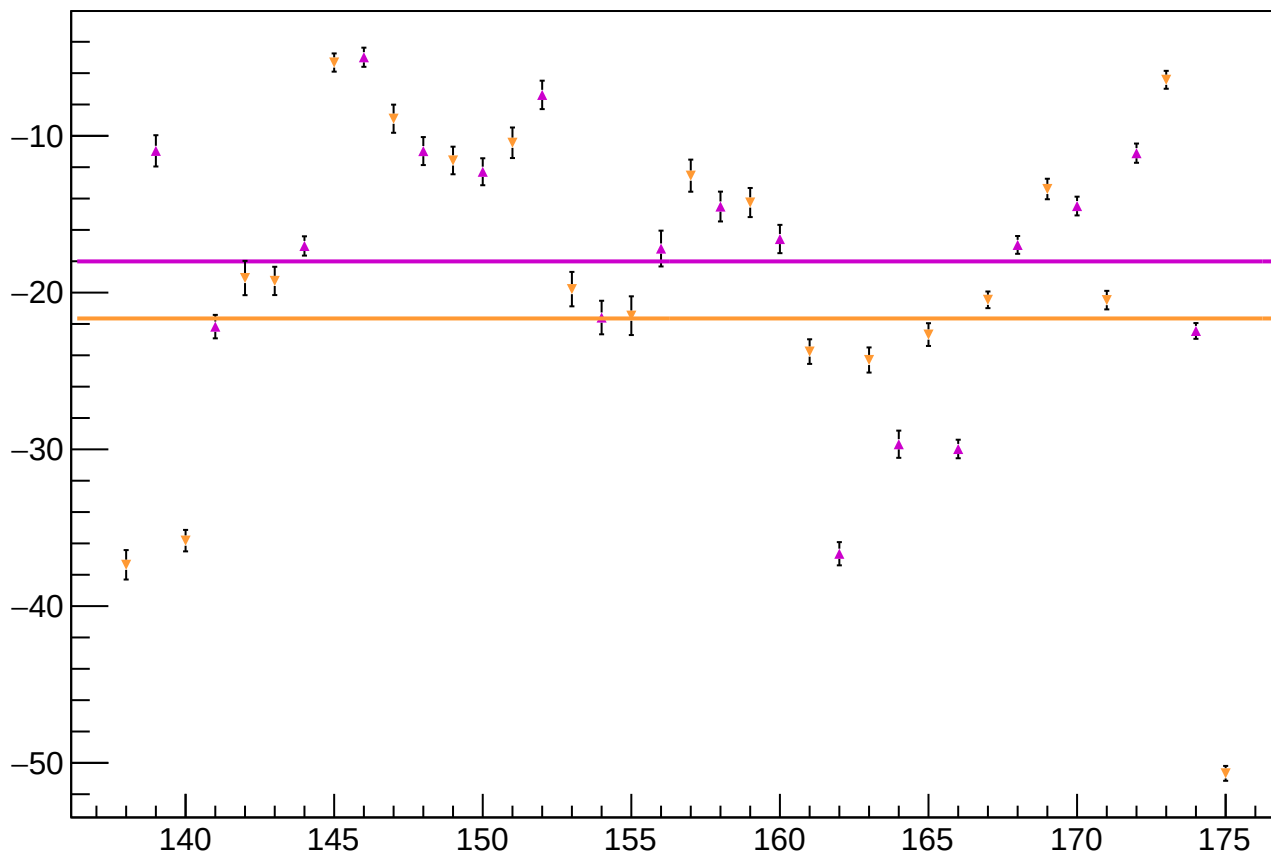
Right: -0.084 ± 0.007 χ^2/NDF : 2219.2/35

In: 0.159 ± 0.003 χ^2/NDF : 2535.2/34

Out: 0.151 ± 0.003 χ^2/NDF : 2535.9/38

All: 0.155 ± 0.002 χ^2/NDF : 5074.5/73

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



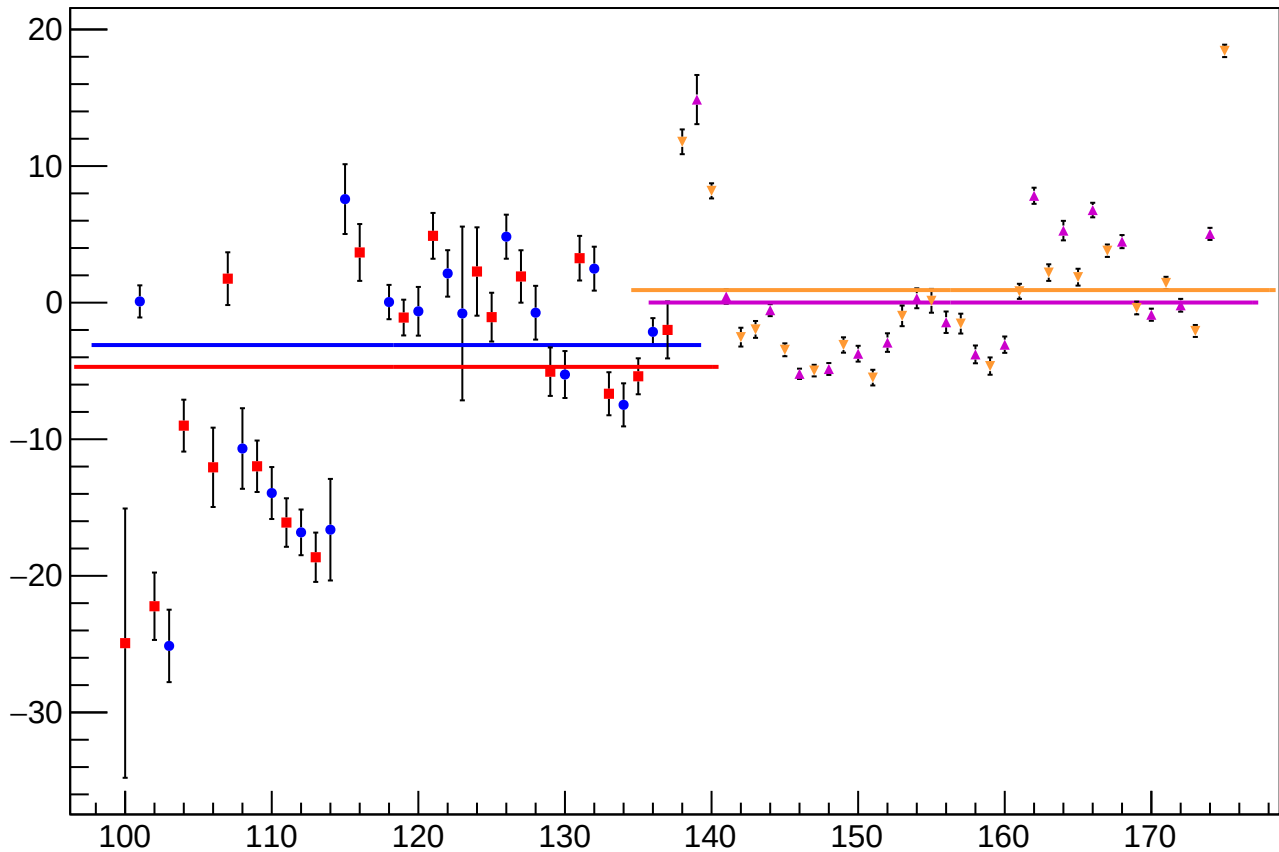
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -21.650+/-0.165 χ^2/NDF :6757.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -18.010+/-0.170 χ^2/NDF :2276.6/17

Left: -19.890+/-0.118 χ^2/NDF : 9269.9/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.010+/-0.170 χ^2/NDF :2276.6/17
 Out: -21.650+/-0.165 χ^2/NDF :6757.7/19

All: -19.890+/-0.118 χ^2/NDF : 9269.9/37

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: 0.920 ± 0.123 χ^2/NDF : 2493.9/19

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

Left In: 0.009 ± 0.126 χ^2/NDF : 1120.3/17

Left: 0.476 ± 0.088 χ^2/NDF : 3640.7/37

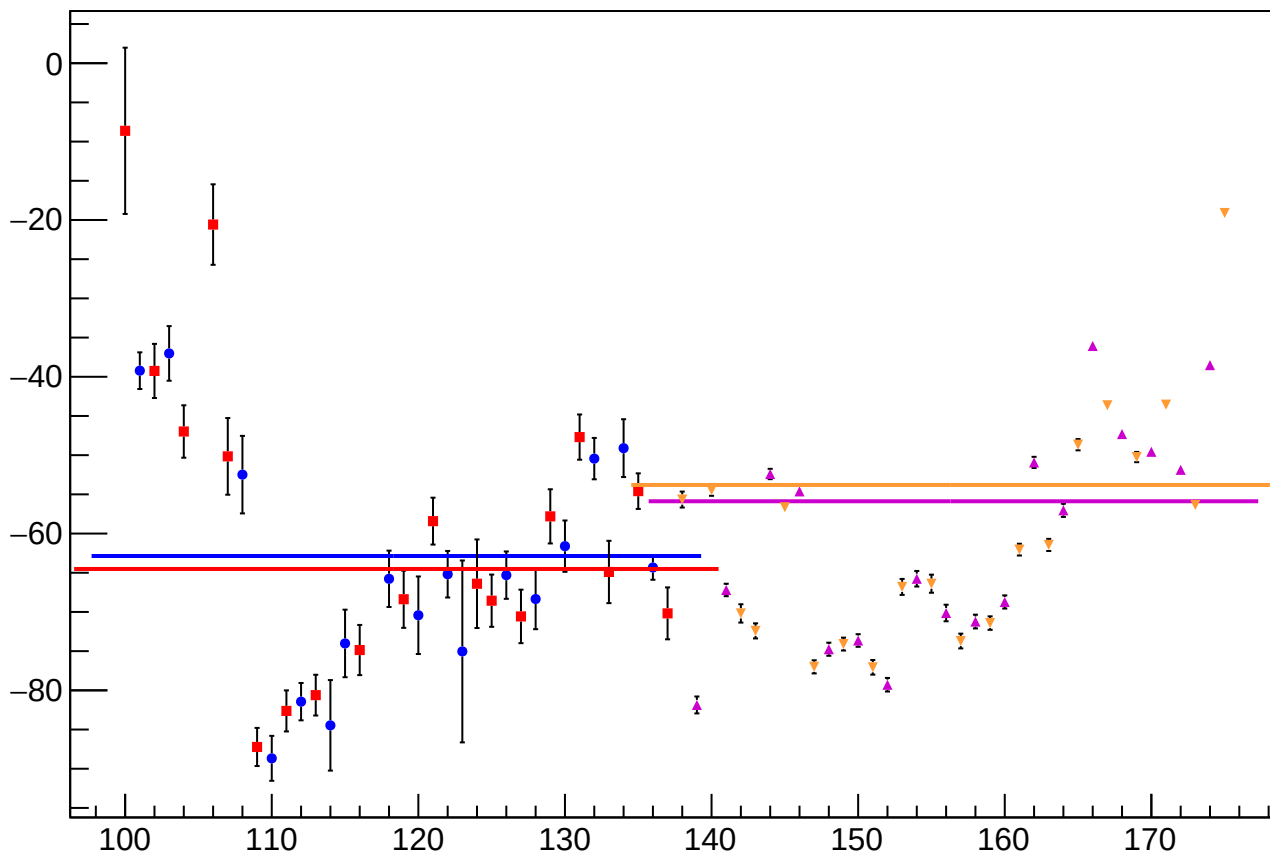
Right: -3.873 ± 0.296 χ^2/NDF : 584.0/35

In: -0.260 ± 0.121 χ^2/NDF : 1451.8/34

Out: 0.487 ± 0.118 χ^2/NDF : 2951.8/38

All: 0.121 ± 0.085 χ^2/NDF : 4423.1/73

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: -54.807 ± 0.119 $\chi^2/\text{NDF} = 15976.3/37$

Right: -63.677 ± 0.528 $\chi^2/\text{NDF} = 815.4/35$

Right In: -62.863 ± 0.741 $\chi^2/\text{NDF} = 368.7/16$

Left Out: -53.801 ± 0.165 $\chi^2/\text{NDF} = 10024.4/19$

Right Out: -64.517 ± 0.752 $\chi^2/\text{NDF} = 444.3/18$

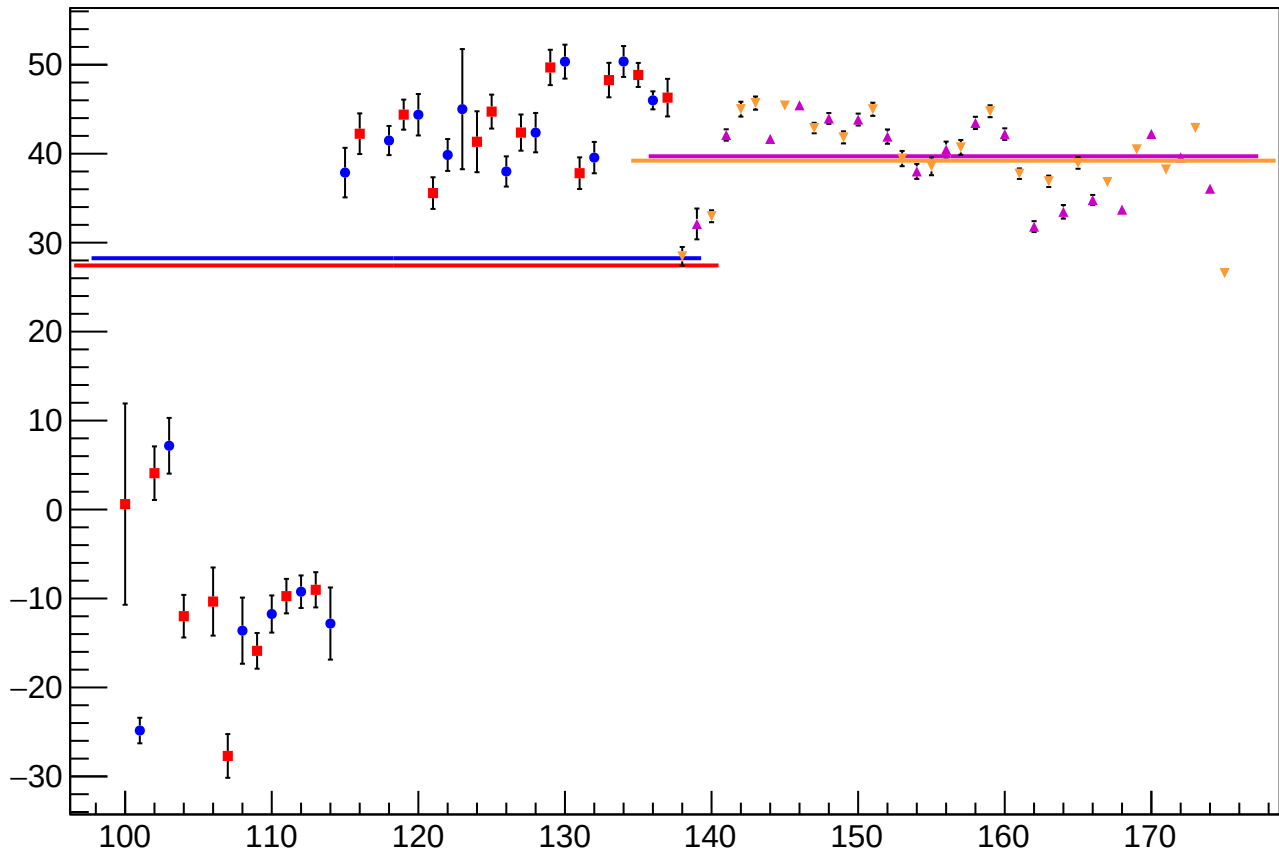
In: -56.231 ± 0.166 $\chi^2/\text{NDF} = 6328.3/34$

Out: -54.294 ± 0.161 $\chi^2/\text{NDF} = 10662.5/38$

Left In: -55.879 ± 0.171 $\chi^2/\text{NDF} = 5875.2/17$

All: -55.233 ± 0.116 $\chi^2/\text{NDF} = 17060.8/73$

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: 39.216 $\pm$ 0.140 χ^2 /NDF:1444.7/19

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

Left In: 39.711 $\pm$ 0.145 χ^2 /NDF:844.9/17

Left: 39.456 $\pm$ 0.101 χ^2 /NDF: 2295.6/37

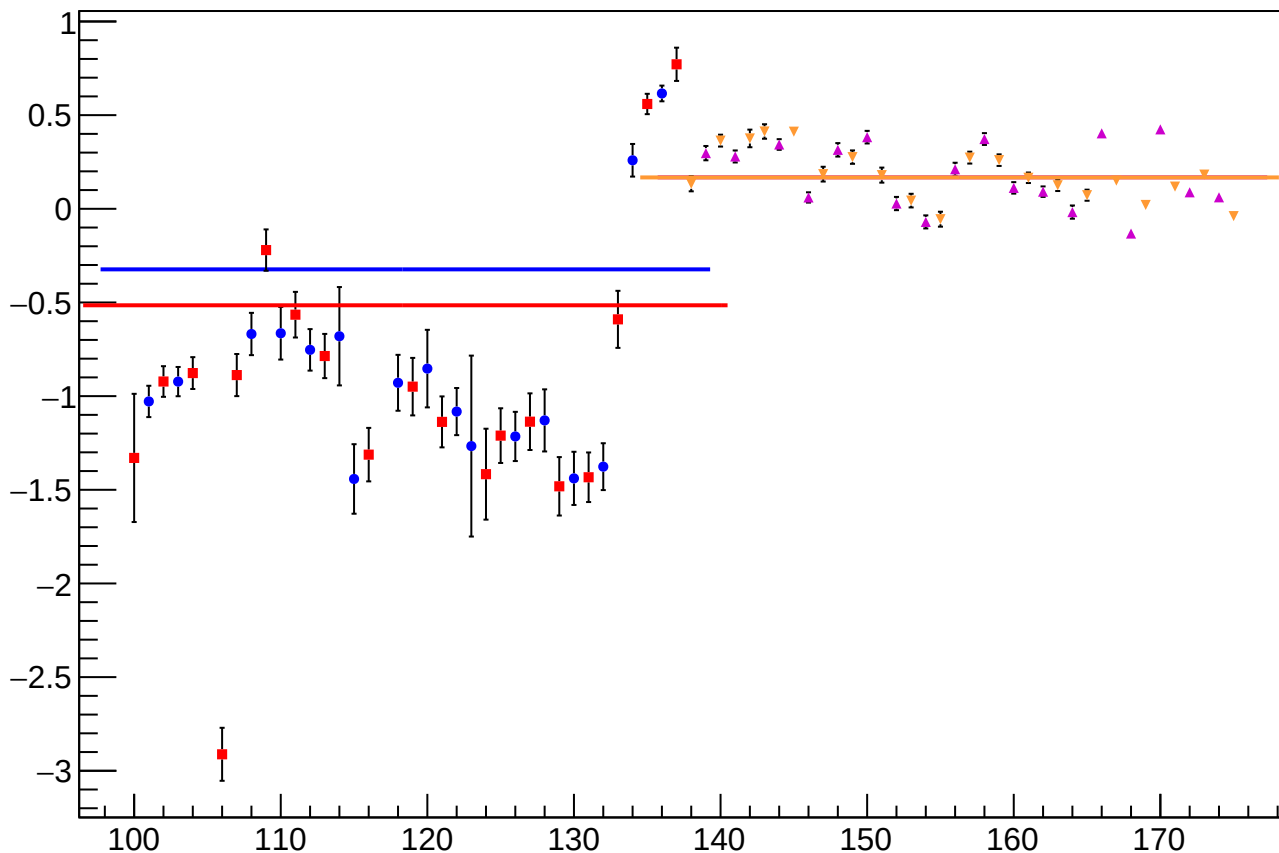
Right: 27.859 $\pm$ 0.332 χ^2 /NDF: 6353.5/35

In: 38.679 $\pm$ 0.138 χ^2 /NDF:4729.0/34

Out: 38.286 $\pm$ 0.135 χ^2 /NDF:5034.8/38

All: 38.477 $\pm$ 0.096 χ^2 /NDF: 9767.9/73

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: 0.167 ± 0.007 χ^2/NDF : 410.8/19

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

Left In: 0.168 ± 0.007 χ^2/NDF : 725.8/17

Left: 0.168 ± 0.005 χ^2/NDF : 1136.6/37

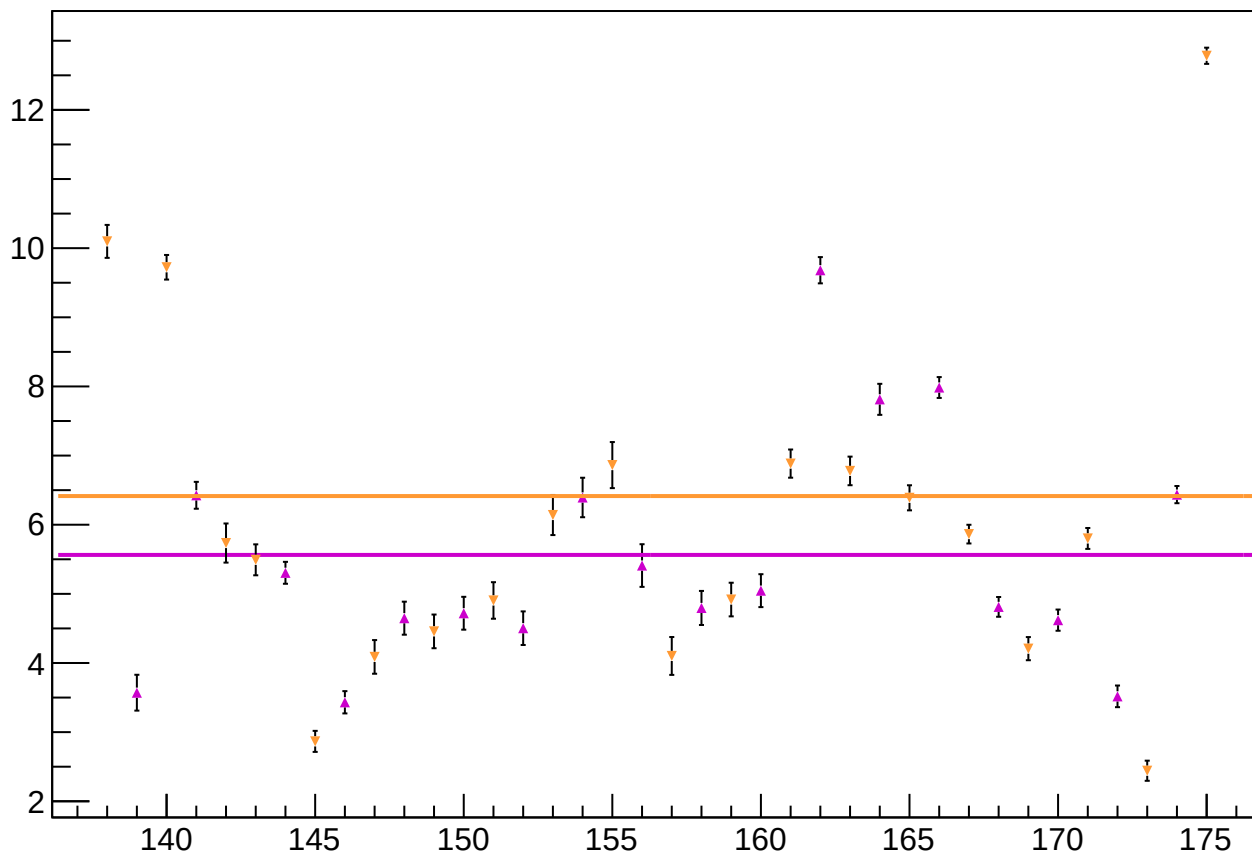
Right: -0.416 ± 0.018 χ^2/NDF : 2200.2/35

In: 0.135 ± 0.006 χ^2/NDF : 2098.5/34

Out: 0.126 ± 0.006 χ^2/NDF : 2231.5/38

All: 0.131 ± 0.005 χ^2/NDF : 4331.0/73

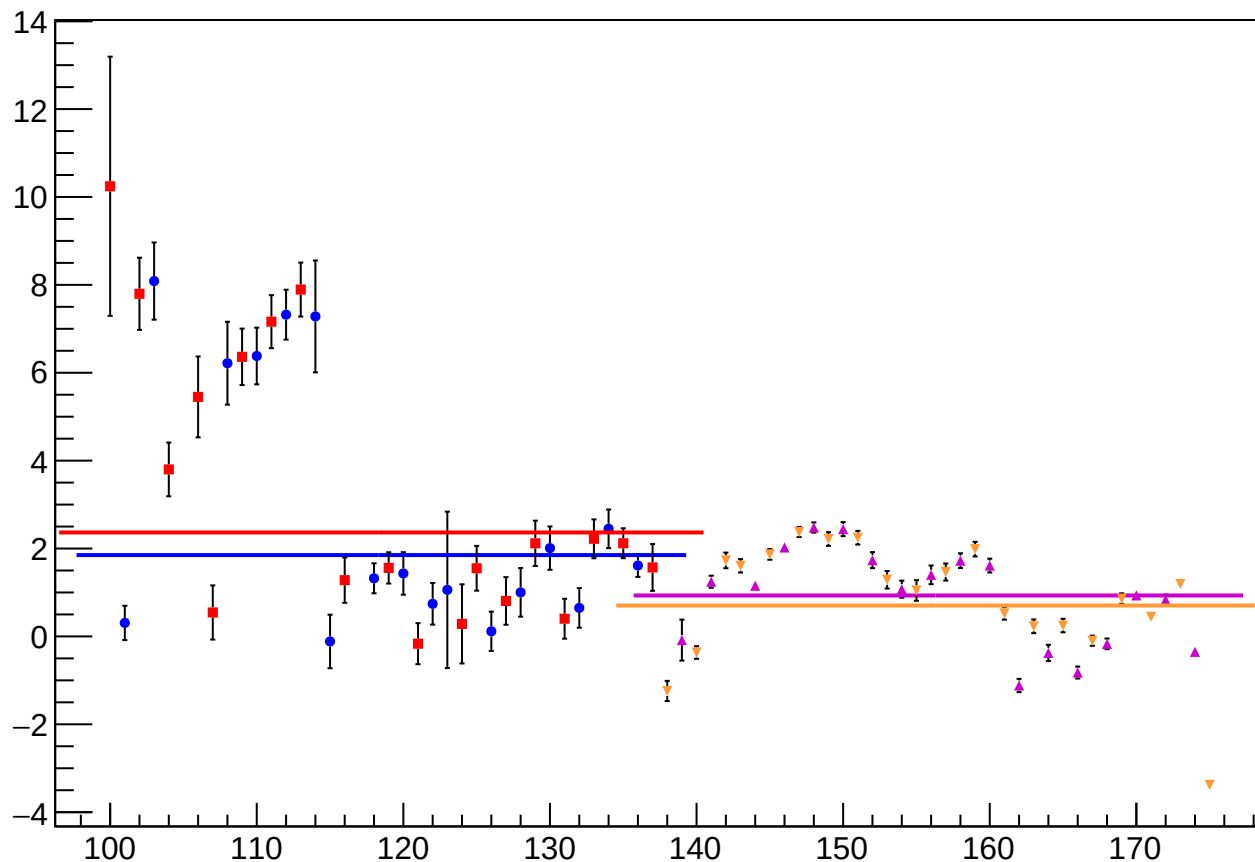
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 6.415 $\pm$ 0.042 χ^2/NDF :5366.8/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 5.563 $\pm$ 0.044 χ^2/NDF :1439.6/17

Left: 6.004 $\pm$ 0.031 χ^2/NDF : 7000.6/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 5.563 $\pm$ 0.044 χ^2/NDF :1439.6/17
 Out: 6.415 $\pm$ 0.042 χ^2/NDF :5366.8/19
 All: 6.004 $\pm$ 0.031 χ^2/NDF : 7000.6/37

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 $\pm$ 0.117 χ^2 /NDF: 294.2/16

Left Out: 0.703 $\pm$ 0.032 χ^2 /NDF:2188.2/19

Right Out: 2.365 $\pm$ 0.123 χ^2 /NDF: 336.2/18

Left In: 0.932 $\pm$ 0.033 χ^2 /NDF:1089.4/17

Left: 0.814 $\pm$ 0.023 χ^2 /NDF: 3302.6/37

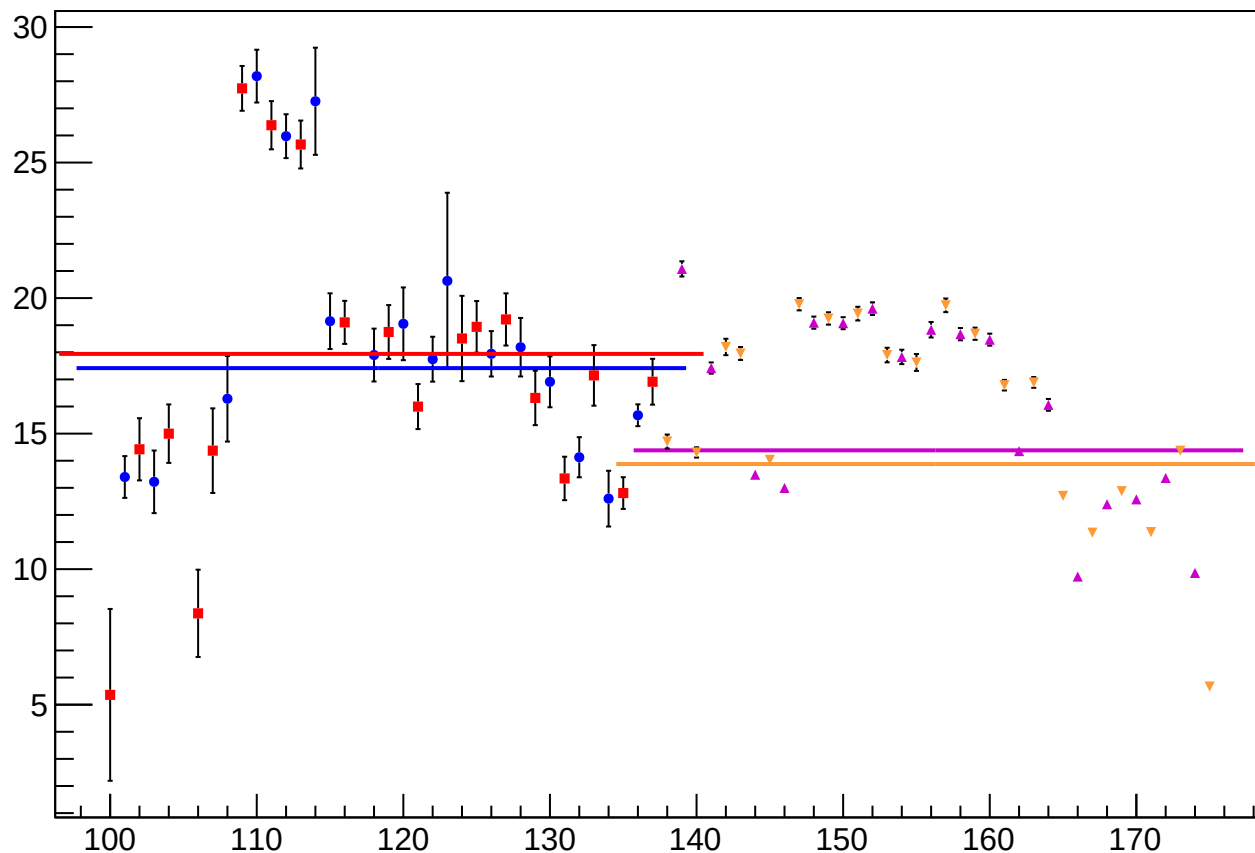
Right: 2.097 $\pm$ 0.085 χ^2 /NDF: 639.6/35

In: 0.998 $\pm$ 0.032 χ^2 /NDF:1440.7/34

Out: 0.809 $\pm$ 0.031 χ^2 /NDF:2696.7/38

All: 0.901 $\pm$ 0.022 χ^2 /NDF: 4155.8/73

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 ± 0.213 $\chi^2/\text{NDF}: 367.0/16$

Left Out: 13.877 ± 0.043 $\chi^2/\text{NDF}: 9618.7/19$

Right Out: 17.941 ± 0.219 $\chi^2/\text{NDF}: 505.6/18$

Left In: 14.383 ± 0.044 $\chi^2/\text{NDF}: 5861.7/17$

Left: 14.121 ± 0.031 $\chi^2/\text{NDF}: 15548.7/37$

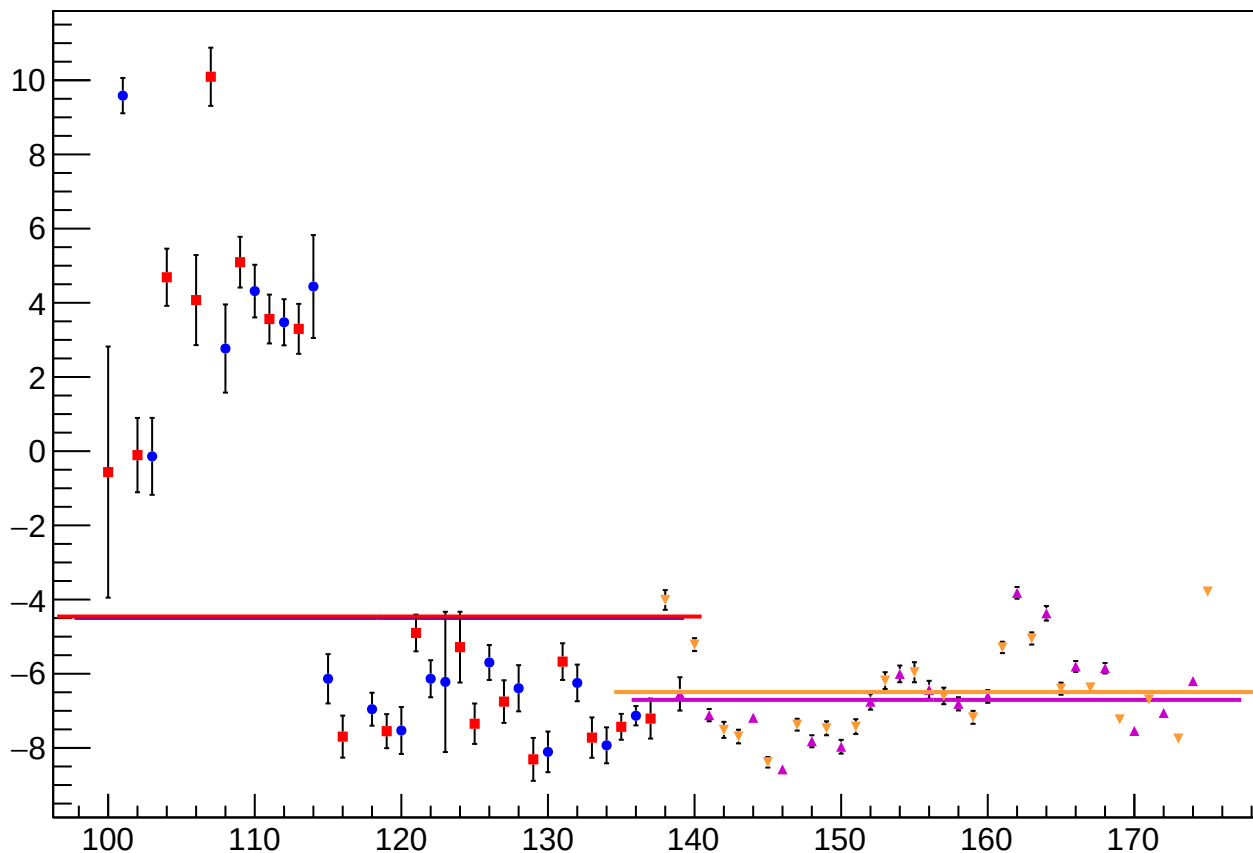
Right: 17.671 ± 0.153 $\chi^2/\text{NDF}: 875.6/35$

In: 14.508 ± 0.043 $\chi^2/\text{NDF}: 6424.0/34$

Out: 14.024 ± 0.042 $\chi^2/\text{NDF}: 10455.7/38$

All: 14.258 ± 0.030 $\chi^2/\text{NDF}: 16944.5/73$

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: -6.494 ± 0.036 $\chi^2/\text{NDF}: 1292.5/19$

Right Out: -4.458 ± 0.137 $\chi^2/\text{NDF}: 1338.9/18$

Left In: -6.705 ± 0.037 $\chi^2/\text{NDF}: 973.2/17$

Left: -6.596 ± 0.026 $\chi^2/\text{NDF}: 2282.1/37$

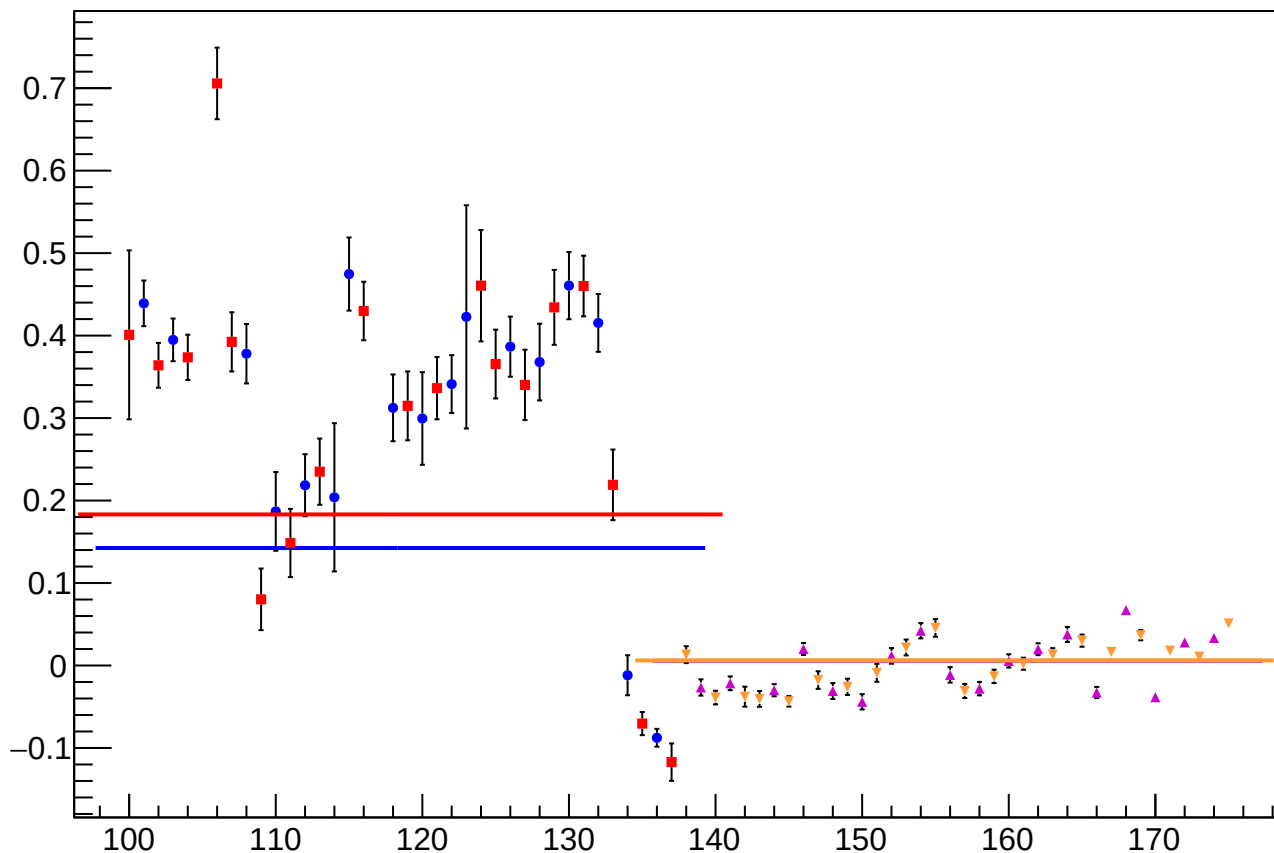
Right: -4.476 ± 0.094 $\chi^2/\text{NDF}: 2924.4/35$

In: -6.536 ± 0.036 $\chi^2/\text{NDF}: 2824.6/34$

Out: -6.361 ± 0.035 $\chi^2/\text{NDF}: 2837.8/38$

All: -6.446 ± 0.025 $\chi^2/\text{NDF}: 5674.5/73$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.007 χ^2/NDF : 1058.8/16

Left Out: 0.006 $\pm$ 0.002 χ^2/NDF :294.8/19

Right Out: 0.183 $\pm$ 0.007 χ^2/NDF : 1000.9/18

Left In: 0.006 $\pm$ 0.002 χ^2/NDF :410.2/17

Left: 0.006 $\pm$ 0.001 χ^2/NDF : 705.1/37

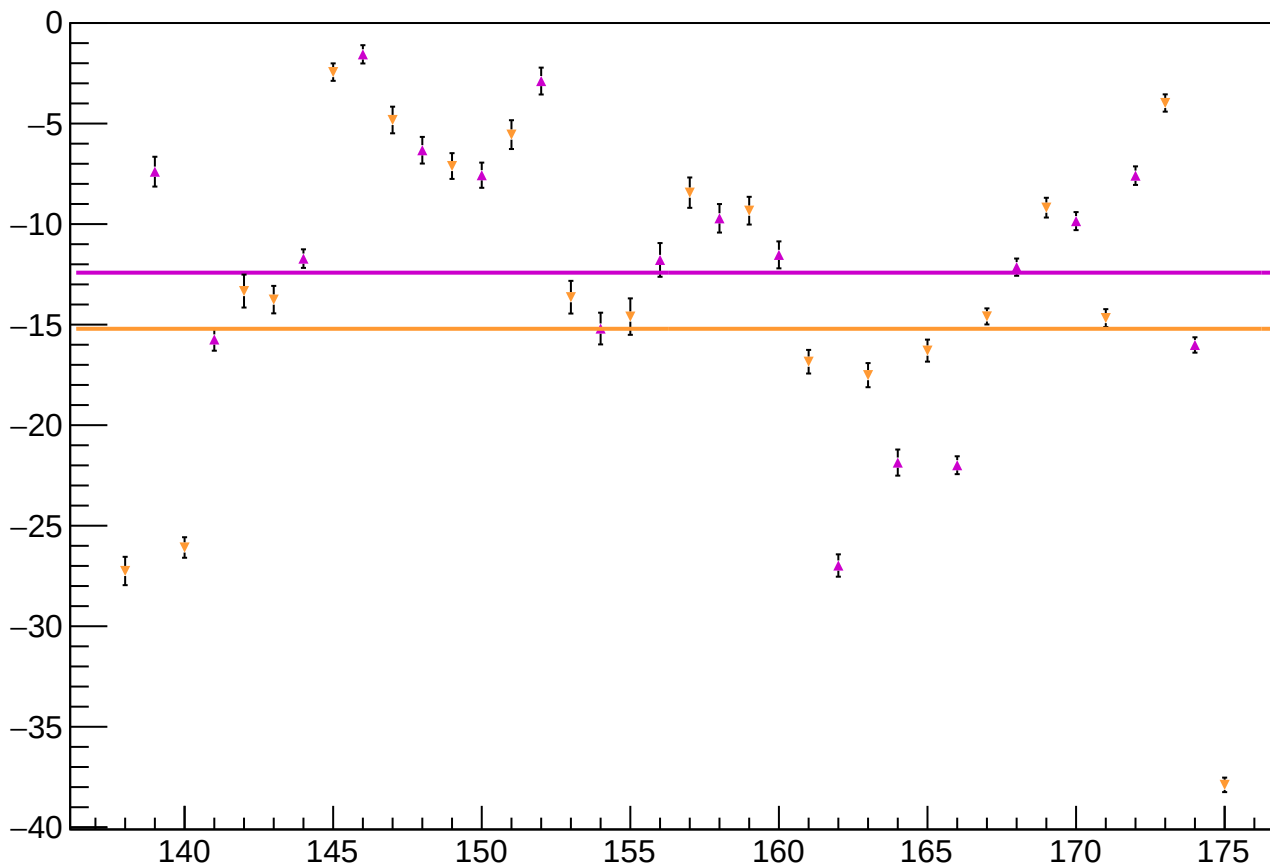
Right: 0.162 $\pm$ 0.005 χ^2/NDF : 2075.4/35

In: 0.013 $\pm$ 0.002 χ^2/NDF :1822.5/34

Out: 0.015 $\pm$ 0.002 χ^2/NDF :1838.7/38

All: 0.014 $\pm$ 0.001 χ^2/NDF : 3661.6/73

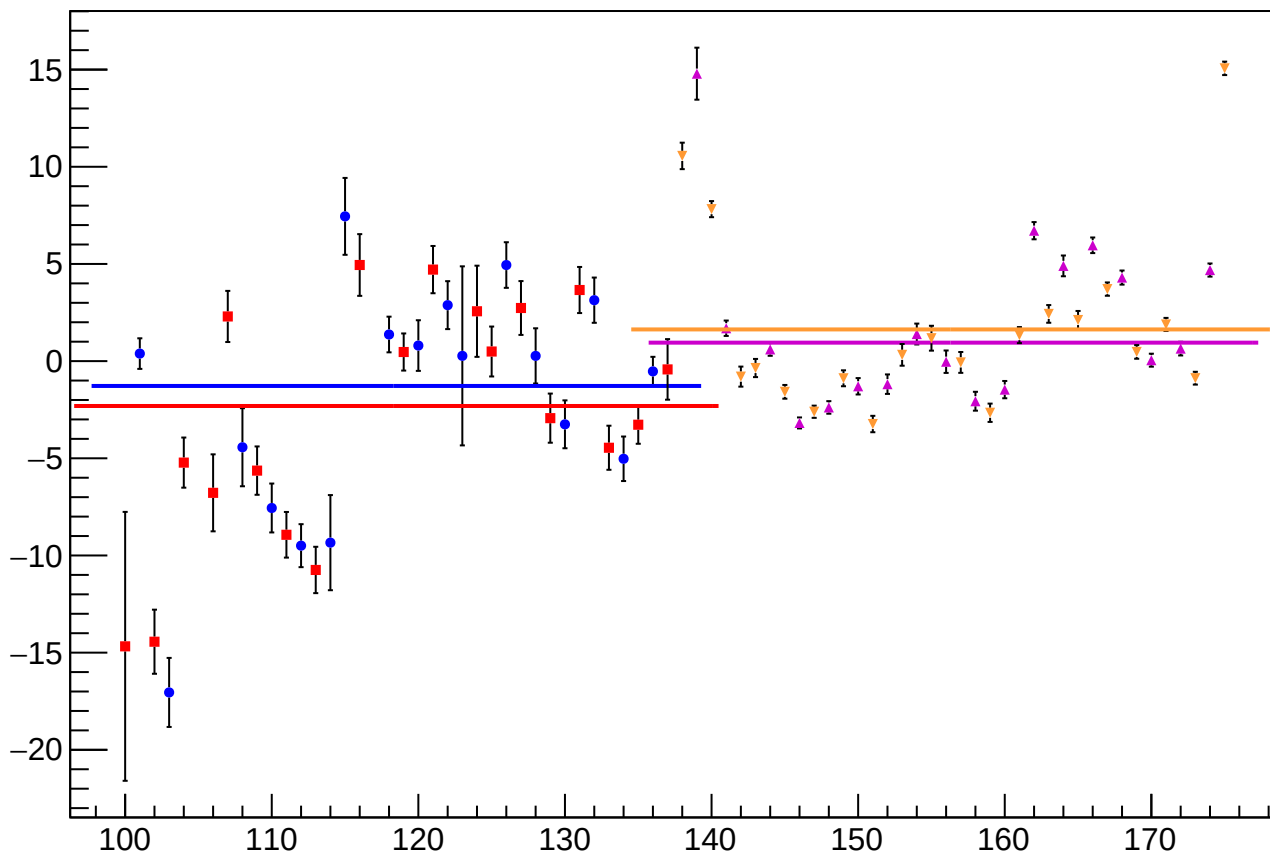
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -15.207+/-0.123 χ^2/NDF : 7185.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -12.416+/-0.128 χ^2/NDF : 2624.2/17

Left: -13.857+/-0.089 χ^2/NDF : 10057.1/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -12.416+/-0.128 χ^2/NDF : 2624.2/17
 Out: -15.207+/-0.123 χ^2/NDF : 7185.7/19
 All: -13.857+/-0.089 χ^2/NDF : 10057.1/37

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: 1.631 ± 0.092 χ^2/NDF : 2589.5/19

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

Left In: 0.950 ± 0.095 χ^2/NDF : 1144.8/17

Left: 1.300 ± 0.066 χ^2/NDF : 3760.9/37

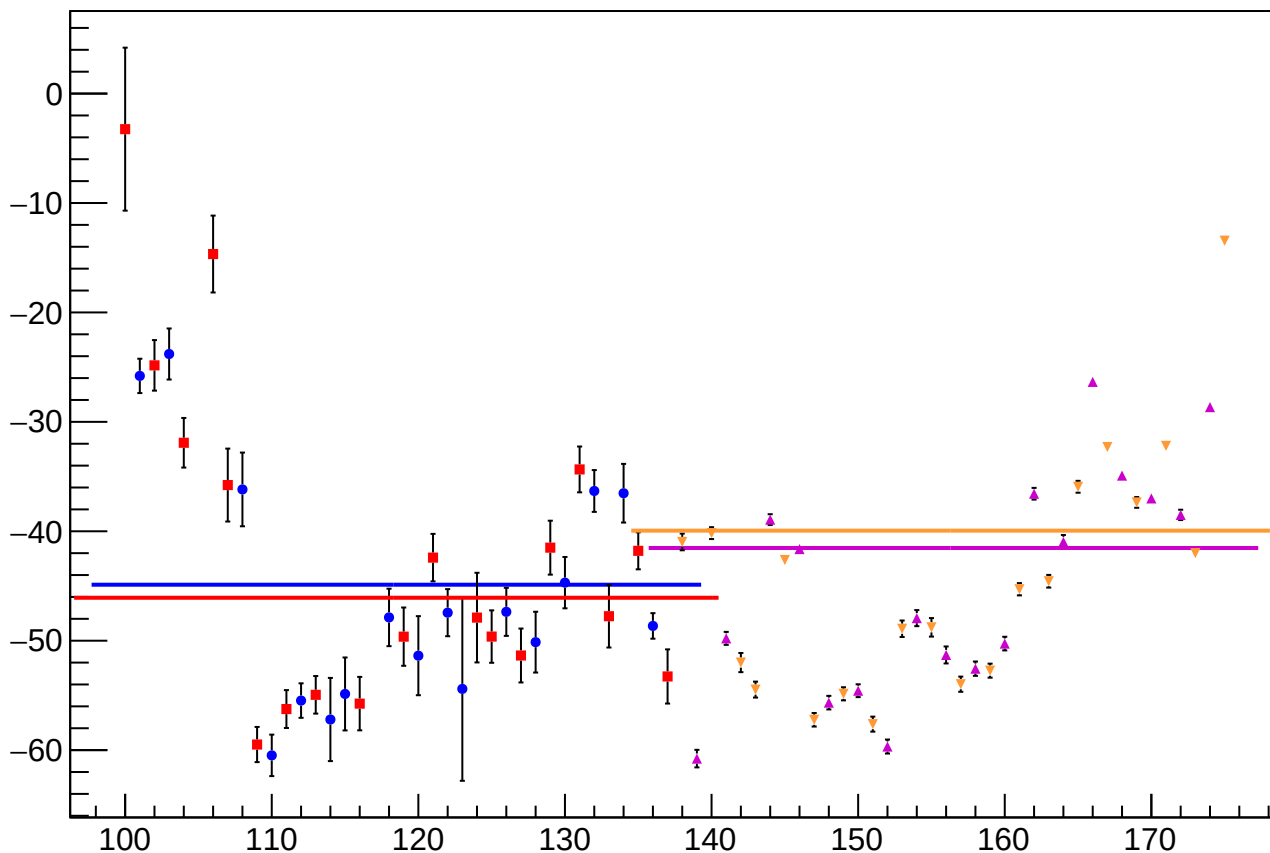
Right: -1.776 ± 0.210 χ^2/NDF : 567.8/35

In: 0.739 ± 0.090 χ^2/NDF : 1473.8/34

Out: 1.296 ± 0.088 χ^2/NDF : 3030.2/38

All: 1.024 ± 0.063 χ^2/NDF : 4523.6/73

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -39.942 ± 0.124 χ^2/NDF : 10037.1/19

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

Left In: -41.526 ± 0.128 χ^2/NDF : 5875.8/17

Left: -40.709 ± 0.089 χ^2/NDF : 15992.5/37

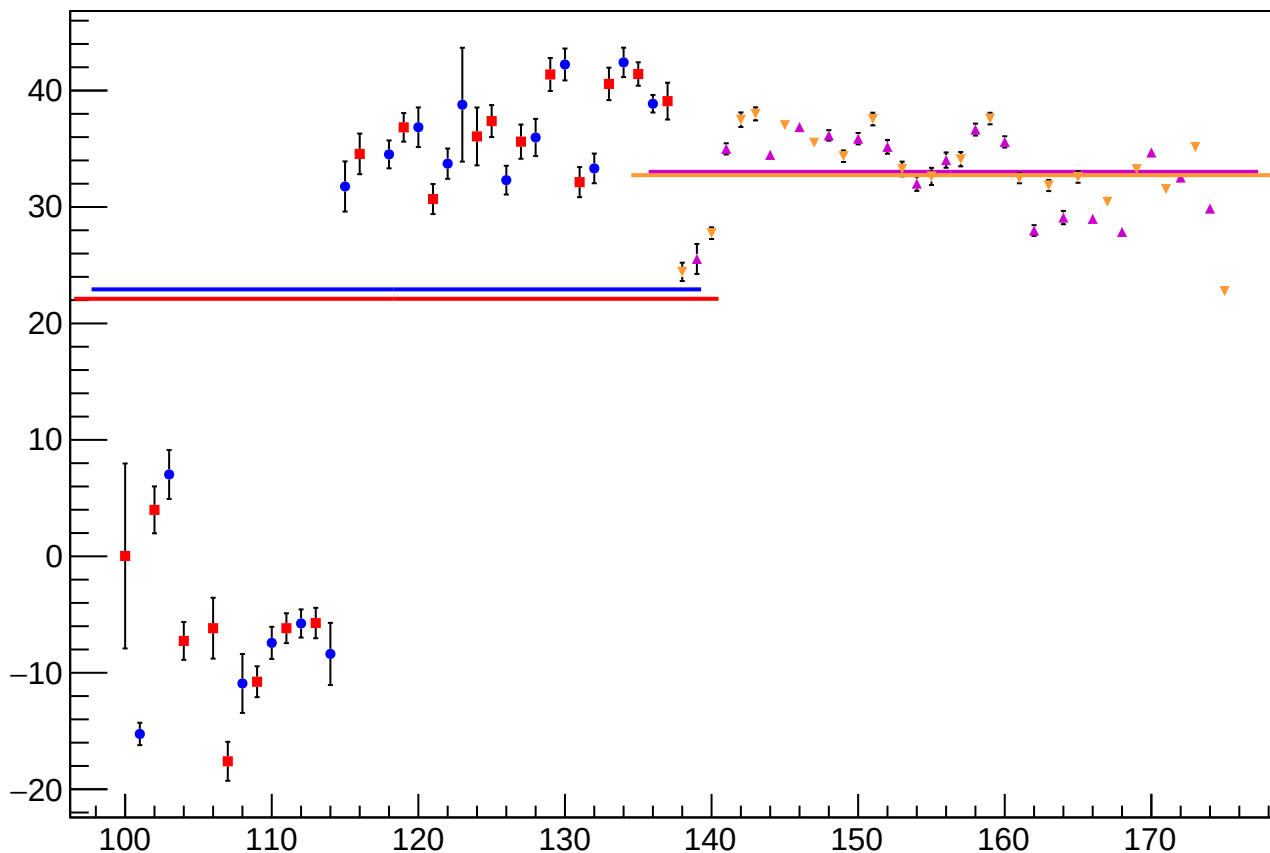
Right: -45.474 ± 0.372 χ^2/NDF : 877.8/35

In: -41.714 ± 0.124 χ^2/NDF : 6335.4/34

Out: -40.259 ± 0.120 χ^2/NDF : 10619.0/38

All: -40.965 ± 0.086 χ^2/NDF : 17025.4/73

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: 32.732 $\pm$ 0.105 χ^2 /NDF:1548.7/19

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

Left In: 33.019 $\pm$ 0.108 χ^2 /NDF:865.6/17

Left: 32.871 $\pm$ 0.075 χ^2 /NDF: 2418.0/37

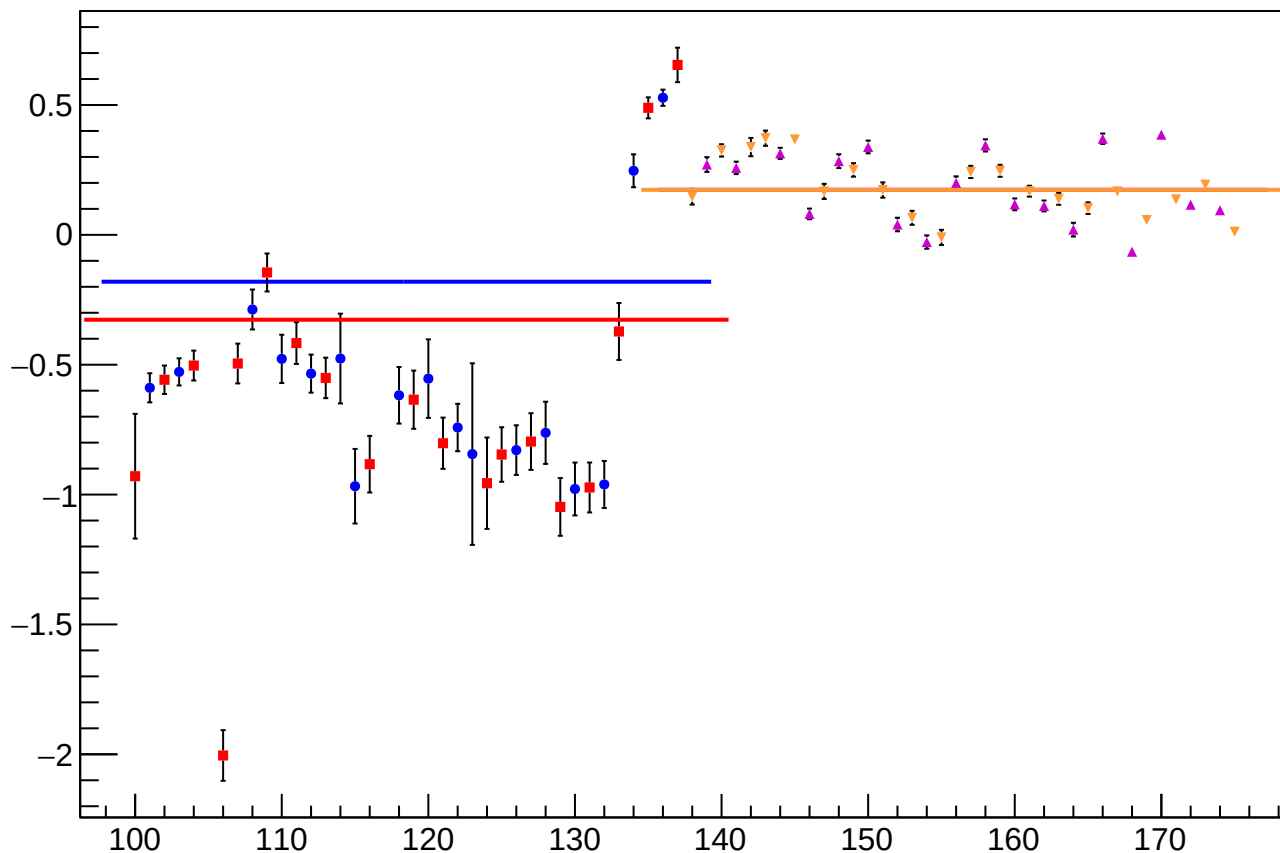
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 32.028 $\pm$ 0.103 χ^2 /NDF:6049.5/34

Out: 31.810 $\pm$ 0.100 χ^2 /NDF:6472.4/38

All: 31.916 $\pm$ 0.072 χ^2 /NDF: 12524.1/73

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: 0.173 ± 0.005 χ^2/NDF : 455.4/19

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.174 ± 0.005 χ^2/NDF : 855.3/17

Left: 0.173 ± 0.003 χ^2/NDF : 1310.8/37

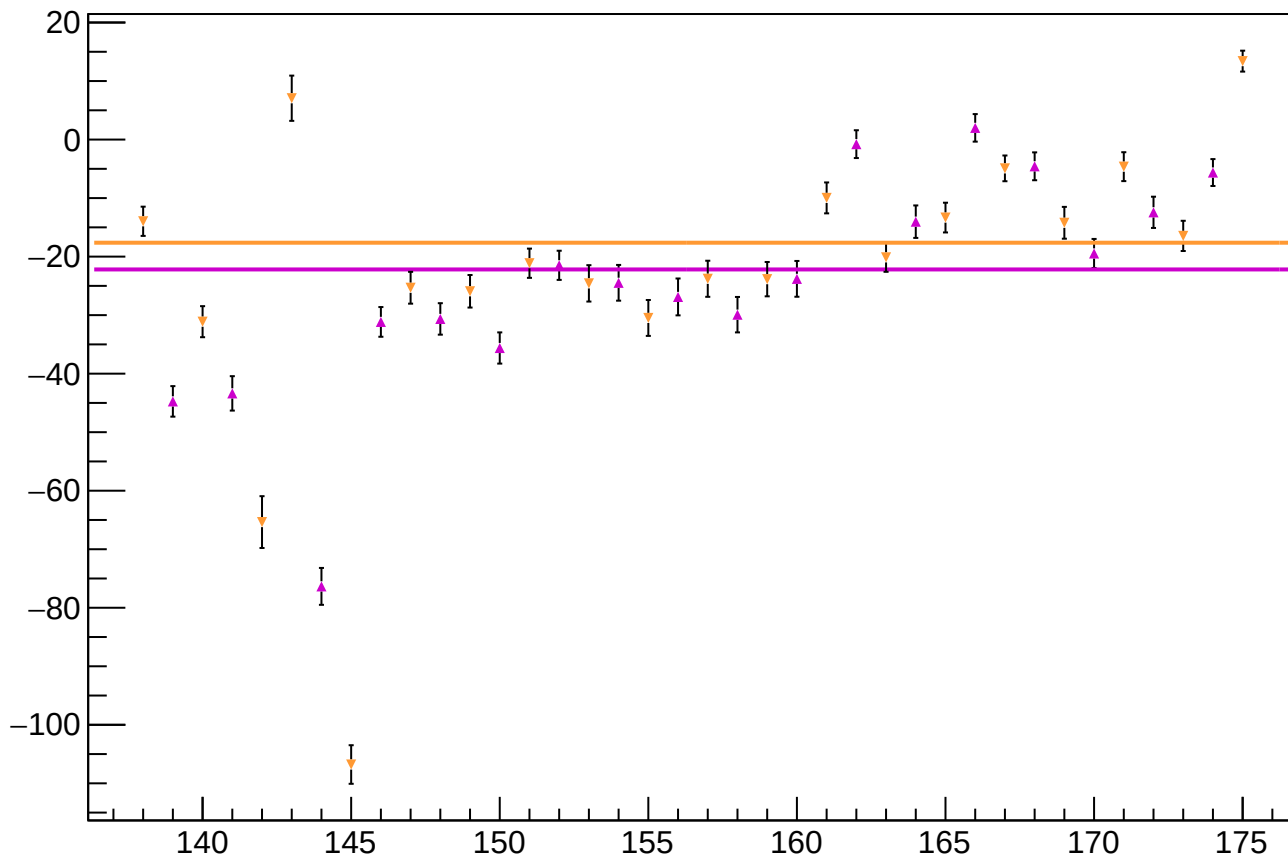
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.148 ± 0.005 χ^2/NDF : 2219.2/34

Out: 0.140 ± 0.005 χ^2/NDF : 2335.7/38

All: 0.144 ± 0.003 χ^2/NDF : 4556.4/73

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -17.625 ± 0.598 χ^2/NDF : 1342.9/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -22.193 ± 0.628 χ^2/NDF : 795.9/17

Left: -19.797 ± 0.433 χ^2/NDF : 2166.6/37

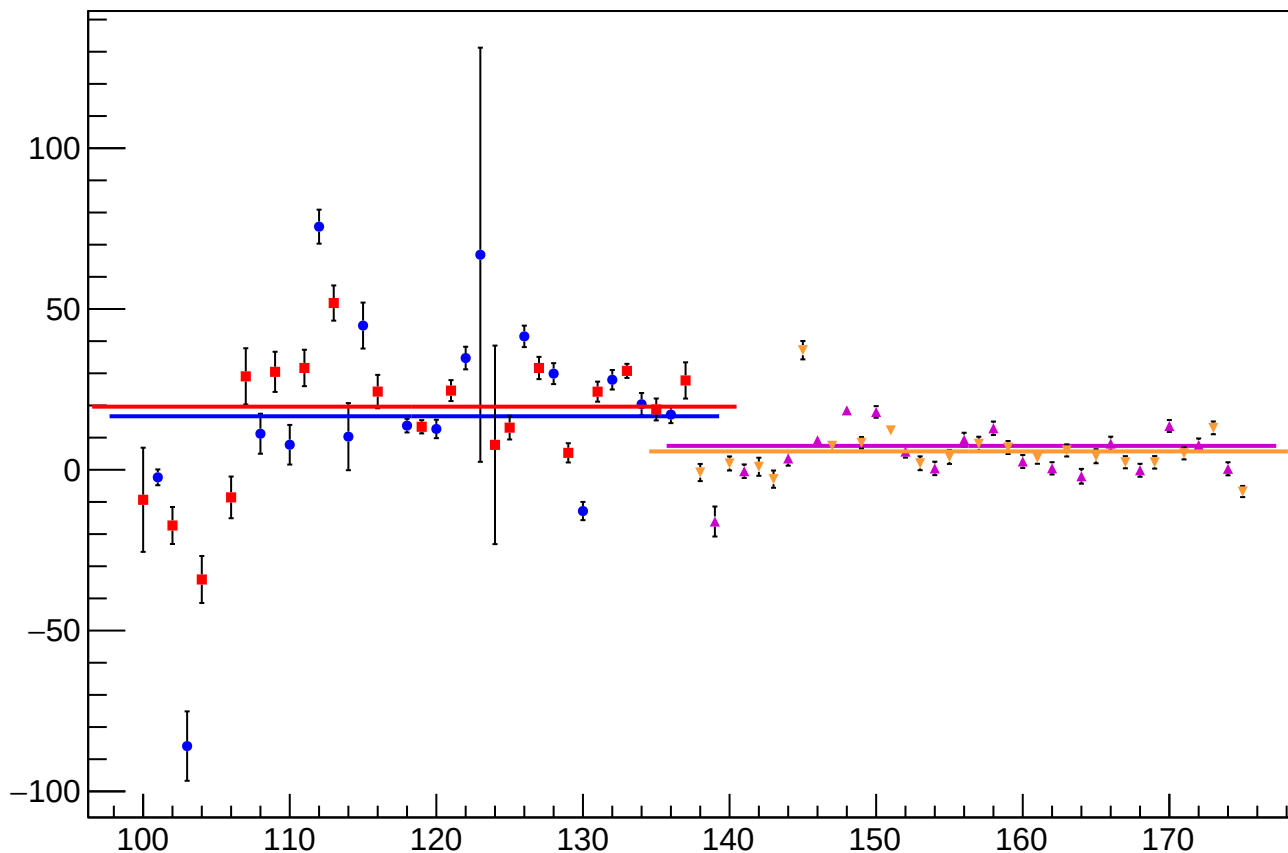
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -22.193 ± 0.628 χ^2/NDF : 795.9/17

Out: -17.625 ± 0.598 χ^2/NDF : 1342.9/19

All: -19.797 ± 0.433 χ^2/NDF : 2166.6/37

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 5.715 ± 0.438 $\chi^2/\text{NDF}: 247.2/19$

Right Out: 19.632 ± 0.896 $\chi^2/\text{NDF}: 241.7/18$

Left In: 7.435 ± 0.461 $\chi^2/\text{NDF}: 242.7/17$

Left: 6.531 ± 0.318 $\chi^2/\text{NDF}: 497.2/37$

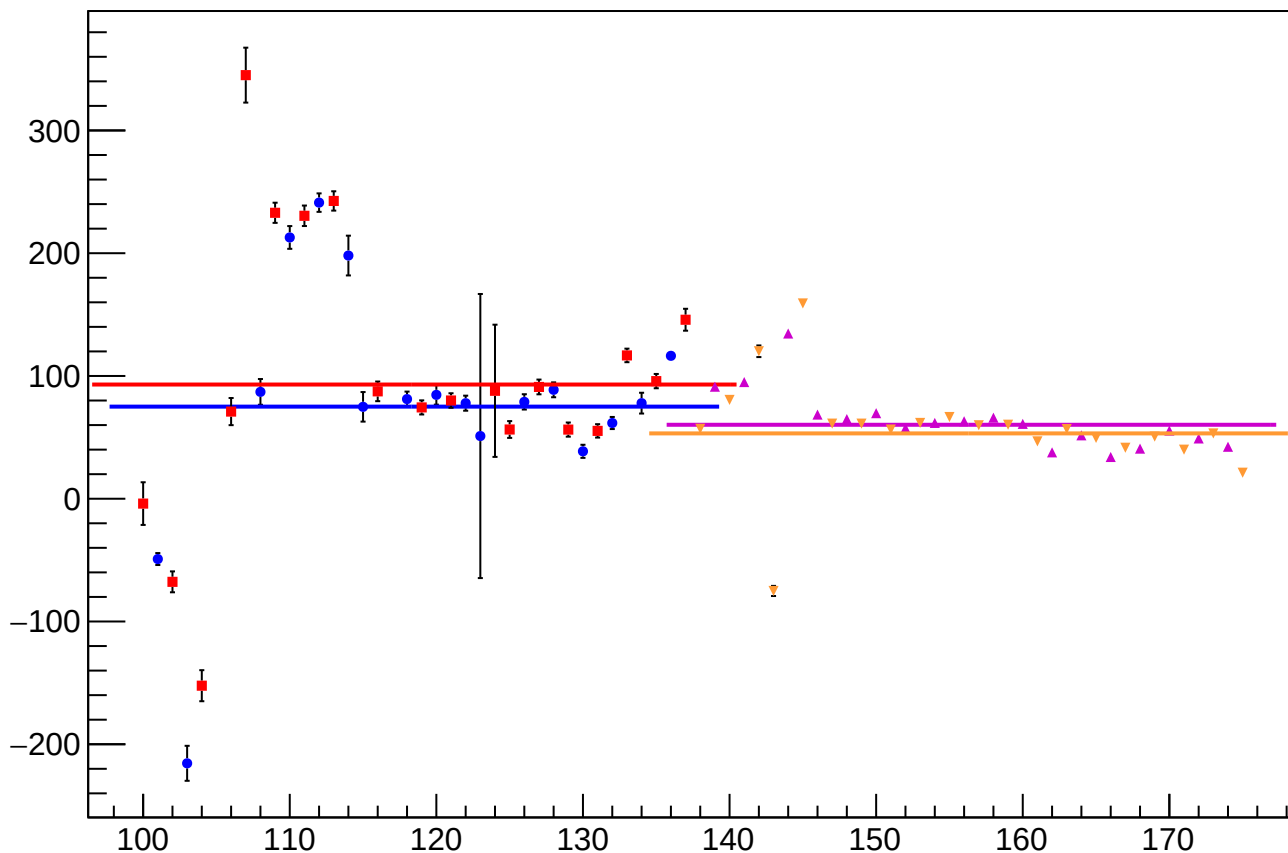
Right: 18.072 ± 0.620 $\chi^2/\text{NDF}: 766.4/35$

In: 9.497 ± 0.406 $\chi^2/\text{NDF}: 850.8/34$

Out: 8.397 ± 0.393 $\chi^2/\text{NDF}: 683.5/38$

All: 8.929 ± 0.283 $\chi^2/\text{NDF}: 1538.1/73$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 53.218 $\pm$ 0.591 χ^2 /NDF:2671.2/19

Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

Left In: 60.244 $\pm$ 0.620 χ^2 /NDF:1130.3/17

Left: 56.563 $\pm$ 0.428 χ^2 /NDF: 3868.9/37

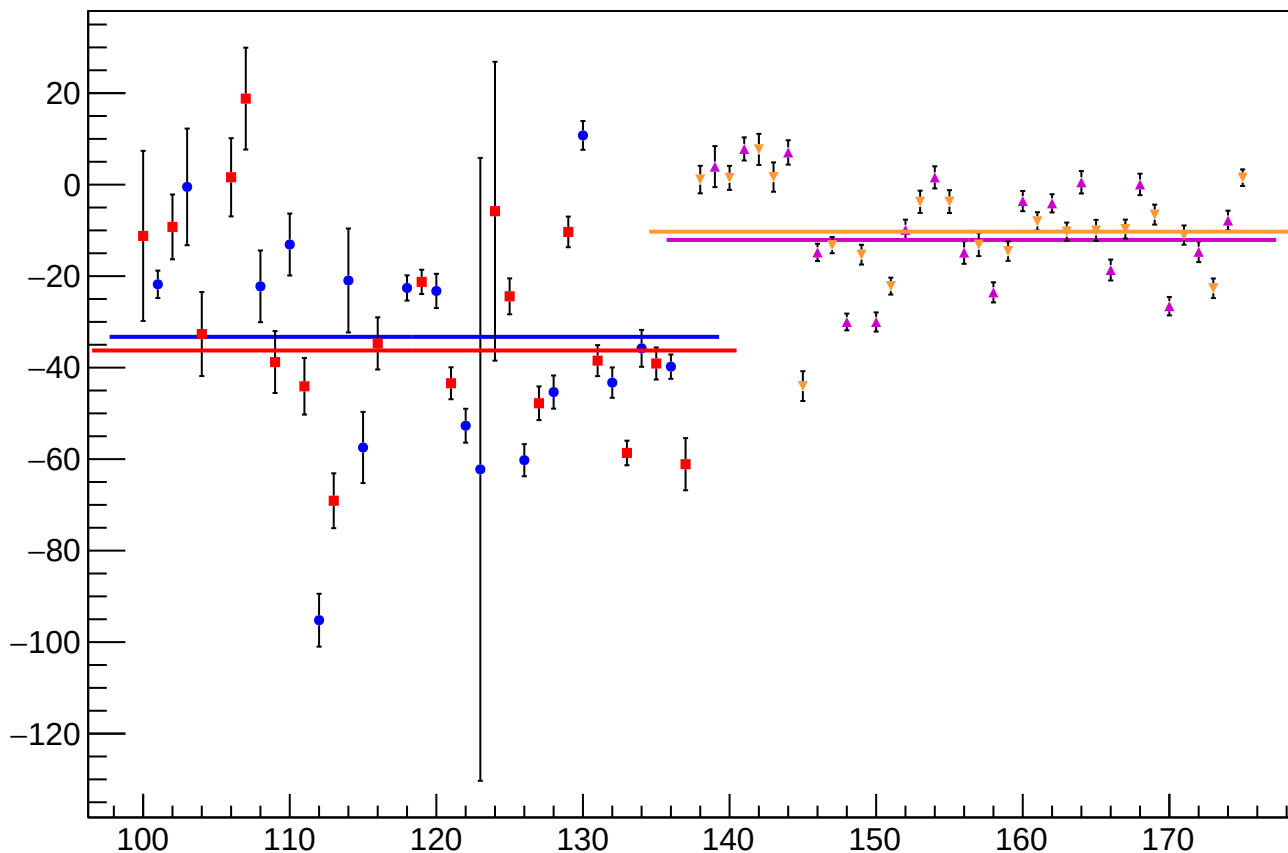
Right: 83.683 $\pm$ 1.187 χ^2 /NDF: 4060.7/35

In: 62.079 $\pm$ 0.580 χ^2 /NDF:3200.7/34

Out: 57.456 $\pm$ 0.558 χ^2 /NDF:5158.3/38

All: 59.680 $\pm$ 0.402 χ^2 /NDF: 8391.9/73

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -10.274 ± 0.503 $\chi^2/\text{NDF}: 333.0/19$

Right Out: -36.251 ± 1.024 $\chi^2/\text{NDF}: 297.6/18$

Left In: -12.084 ± 0.531 $\chi^2/\text{NDF}: 508.7/17$

Left: -11.130 ± 0.365 $\chi^2/\text{NDF}: 847.8/37$

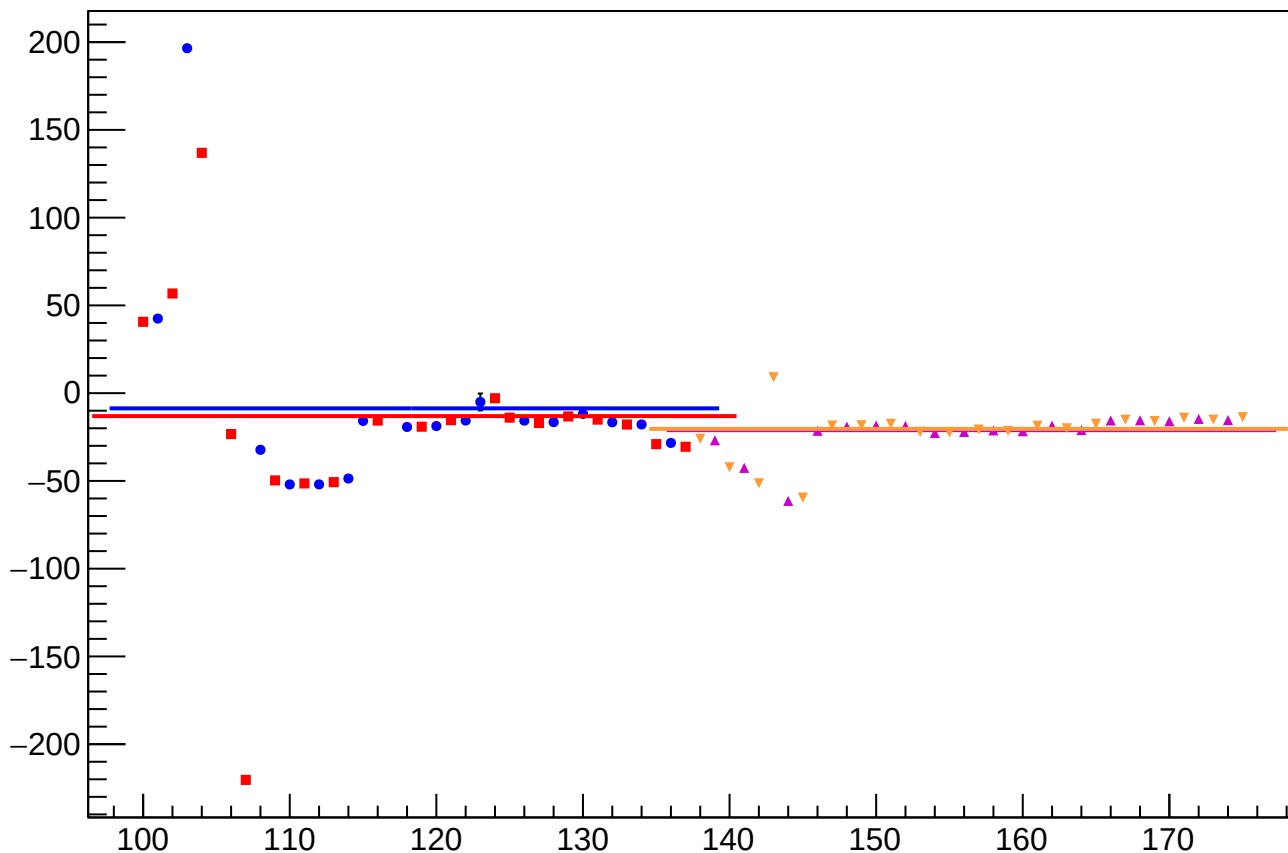
Right: -34.699 ± 0.709 $\chi^2/\text{NDF}: 791.4/35$

In: -16.873 ± 0.467 $\chi^2/\text{NDF}: 1358.4/34$

Out: -15.319 ± 0.451 $\chi^2/\text{NDF}: 1149.2/38$

All: -16.070 ± 0.324 $\chi^2/\text{NDF}: 2513.4/73$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -20.348 ± 0.023 χ^2/NDF : 199563.2/19

Right Out: -13.077 ± 0.062 χ^2/NDF : 558318.9/18

Left In: -21.072 ± 0.024 χ^2/NDF : 127825.2/17

Left: -20.701 ± 0.017 χ^2/NDF : 327855.2/37

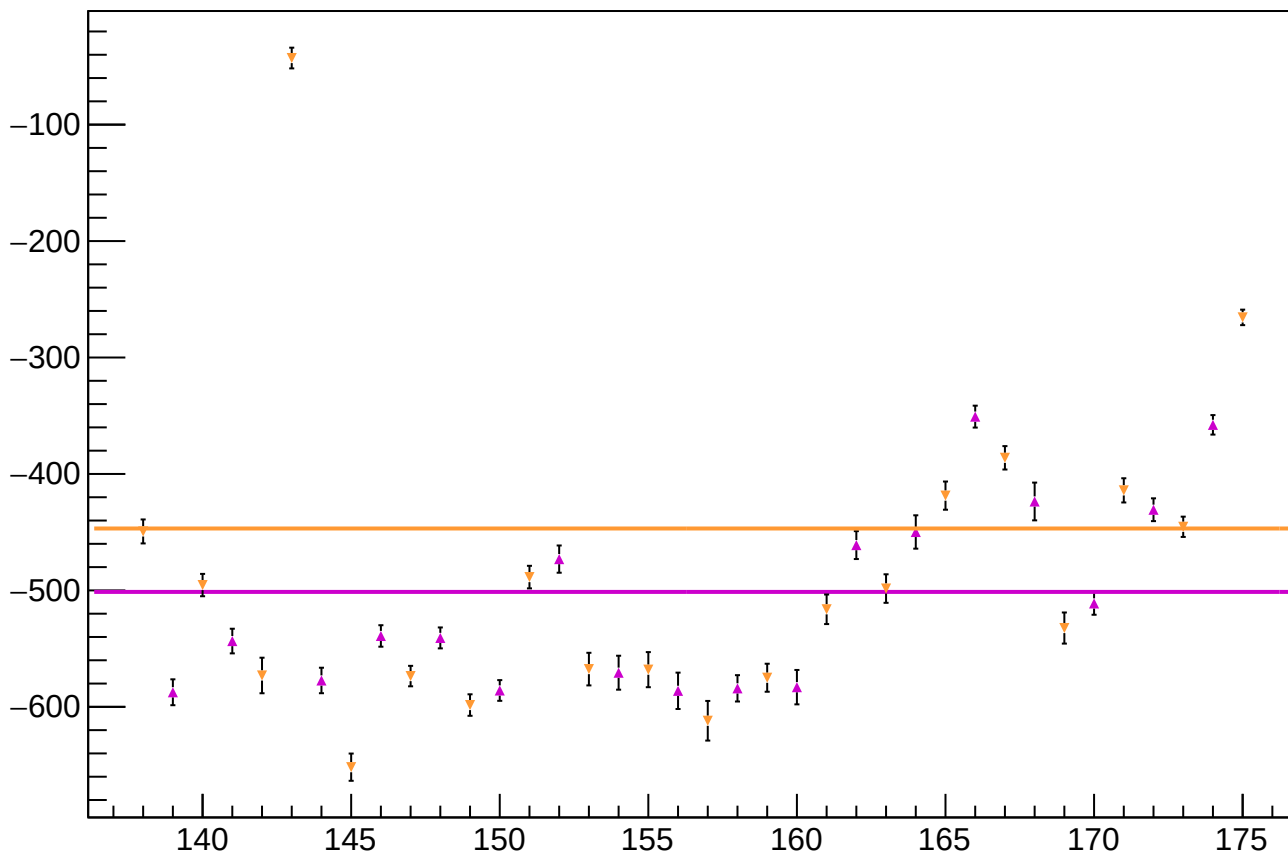
Right: -10.767 ± 0.043 χ^2/NDF : 1136731.7/35

In: -19.313 ± 0.022 χ^2/NDF : 741466.4/34

Out: -19.440 ± 0.022 χ^2/NDF : 769986.5/38

All: -19.378 ± 0.016 χ^2/NDF : 1511469.3/73

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -446.834+/-2.357 χ^2/NDF : 4188.5/19

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

Left In: -501.293+/-2.558 χ^2/NDF : 1042.8/17

Left: -471.846+/-1.733 χ^2/NDF : 5476.4/37

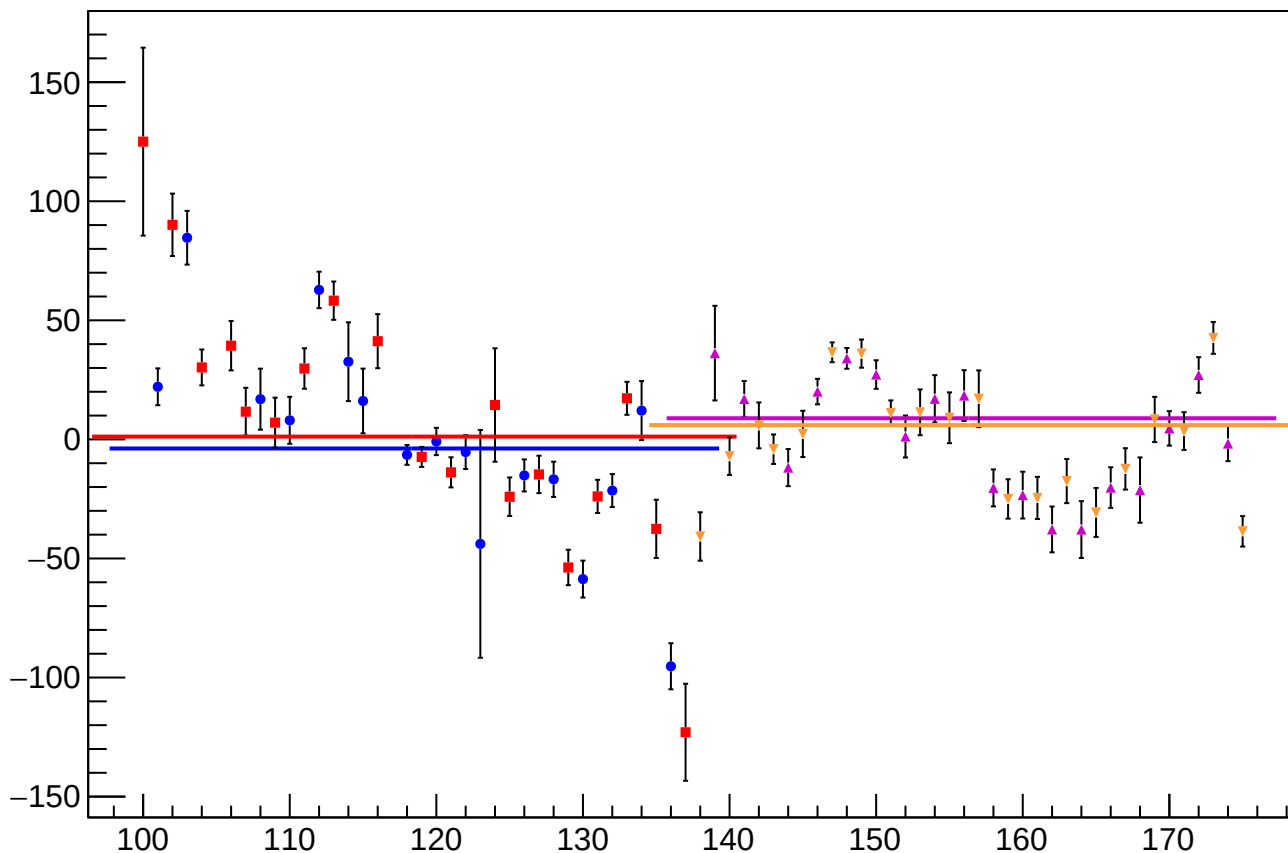
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -501.293+/-2.558 χ^2/NDF : 1042.8/17

Out: -446.834+/-2.357 χ^2/NDF : 4188.5/19

All: -471.846+/-1.733 χ^2/NDF : 5476.4/37

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 $\chi^2/\text{NDF}: 314.3/16$

Left Out: 6.002 ± 1.673 $\chi^2/\text{NDF}: 237.2/19$

Right Out: 1.175 ± 1.914 $\chi^2/\text{NDF}: 303.9/18$

Left In: 8.879 ± 1.817 $\chi^2/\text{NDF}: 148.2/17$

Left: 7.322 ± 1.231 $\chi^2/\text{NDF}: 386.7/37$

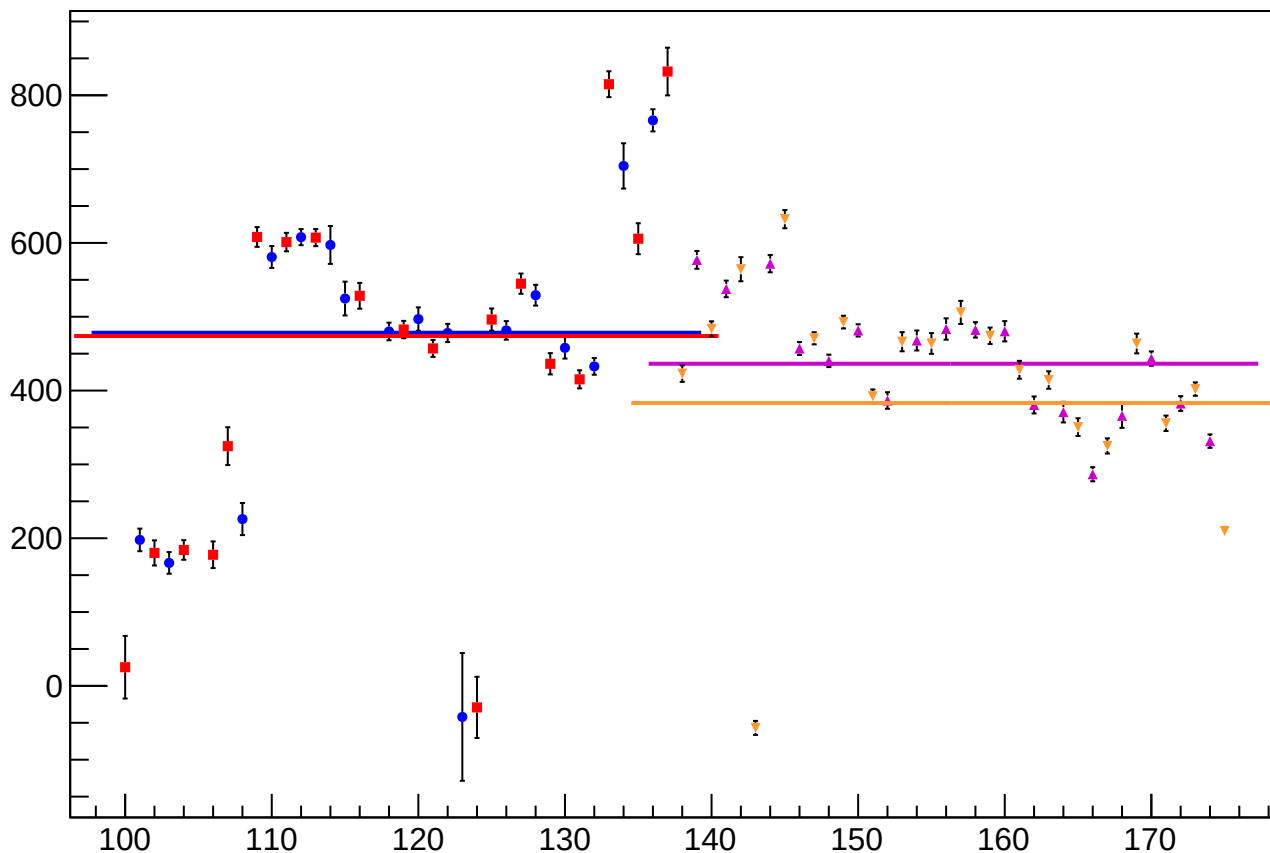
Right: -1.308 ± 1.356 $\chi^2/\text{NDF}: 621.6/35$

In: 2.891 ± 1.321 $\chi^2/\text{NDF}: 485.5/34$

Out: 3.911 ± 1.260 $\chi^2/\text{NDF}: 544.7/38$

All: 3.425 ± 0.911 $\chi^2/\text{NDF}: 1030.5/73$

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: 383.160 $\pm$ 2.344 χ^2 /NDF:4054.5/19

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

Left In: 436.370 $\pm$ 2.531 χ^2 /NDF:922.3/17

Left: 407.719 $\pm$ 1.720 χ^2 /NDF: 5214.7/37

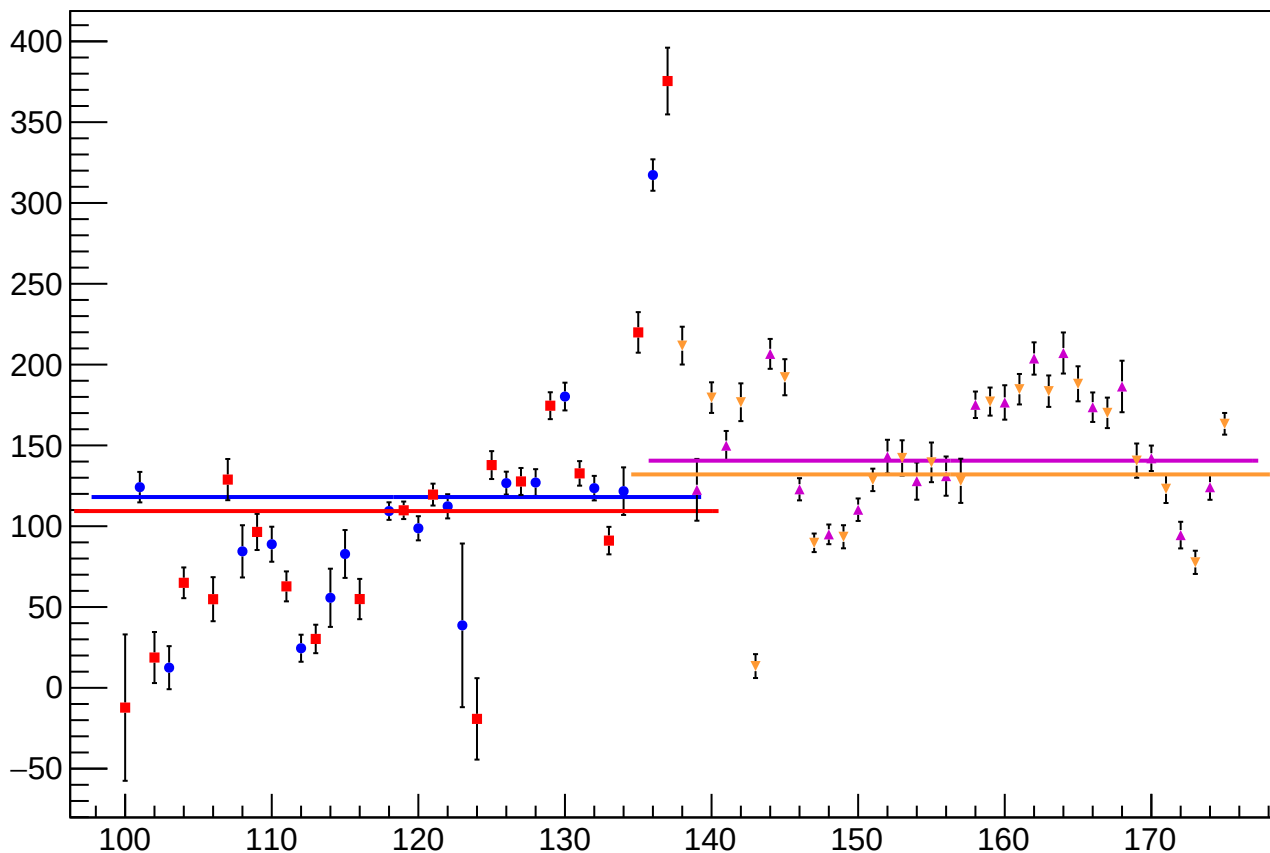
Right: 476.038 $\pm$ 2.542 χ^2 /NDF: 3914.6/35

In: 449.938 $\pm$ 2.082 χ^2 /NDF:2640.0/34

Out: 410.910 $\pm$ 1.953 χ^2 /NDF:6798.0/38

All: 429.171 $\pm$ 1.424 χ^2 /NDF: 9624.9/73

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: 132.051 $\pm$ 1.956 χ^2 /NDF:667.4/19

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

Left In: 140.550 $\pm$ 2.122 χ^2 /NDF:290.5/17

Left: 135.957 $\pm$ 1.438 χ^2 /NDF: 966.5/37

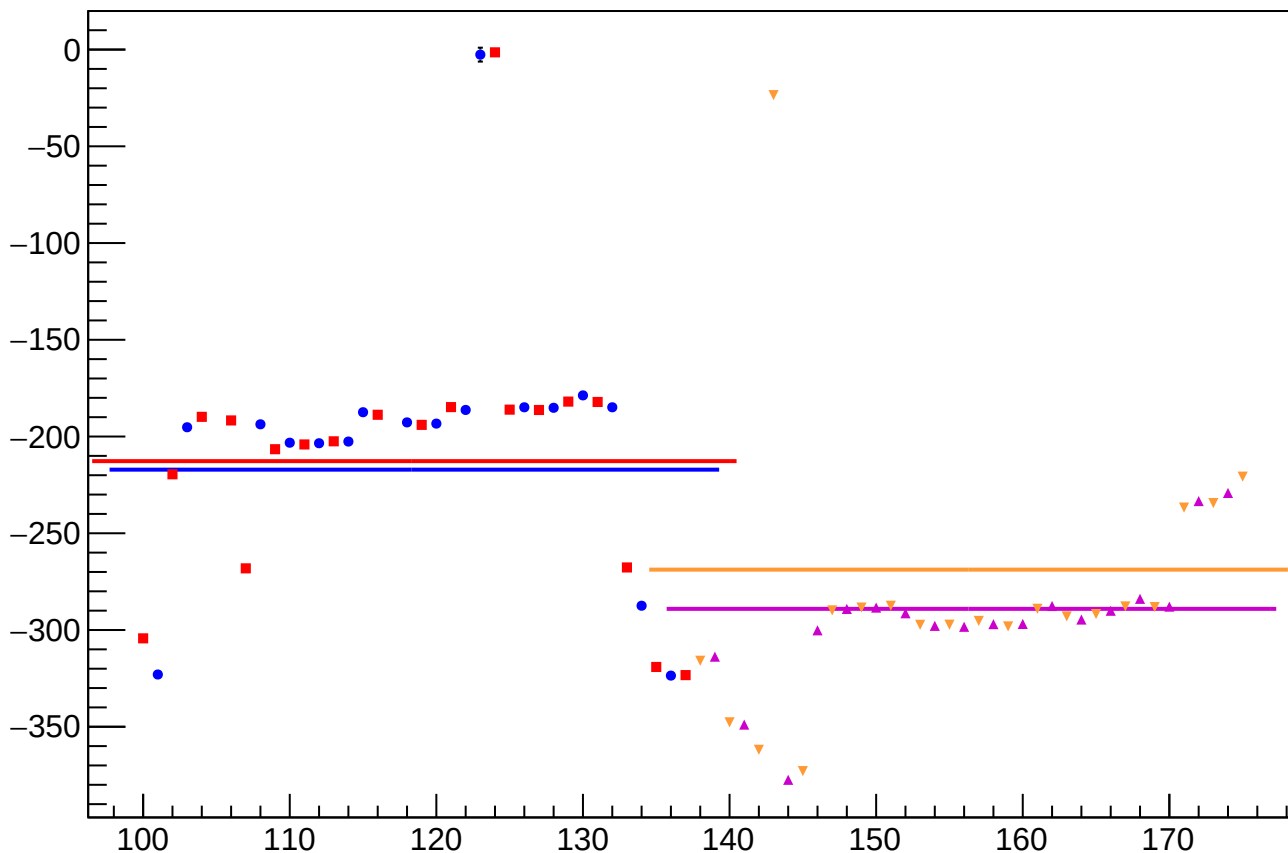
Right: 113.671 $\pm$ 1.566 χ^2 /NDF: 1282.8/35

In: 129.839 $\pm$ 1.536 χ^2 /NDF:1049.3/34

Out: 122.059 $\pm$ 1.463 χ^2 /NDF:1296.4/38

All: 125.762 $\pm$ 1.059 χ^2 /NDF: 2359.2/73

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -268.797+/-0.095 χ^2/NDF : 598589.1/19

Right Out: -212.715+/-0.130 χ^2/NDF : 115566.2/18

Left In: -289.068+/-0.099 χ^2/NDF : 110414.6/17

Left: -278.450+/-0.068 χ^2/NDF : 730851.1/37

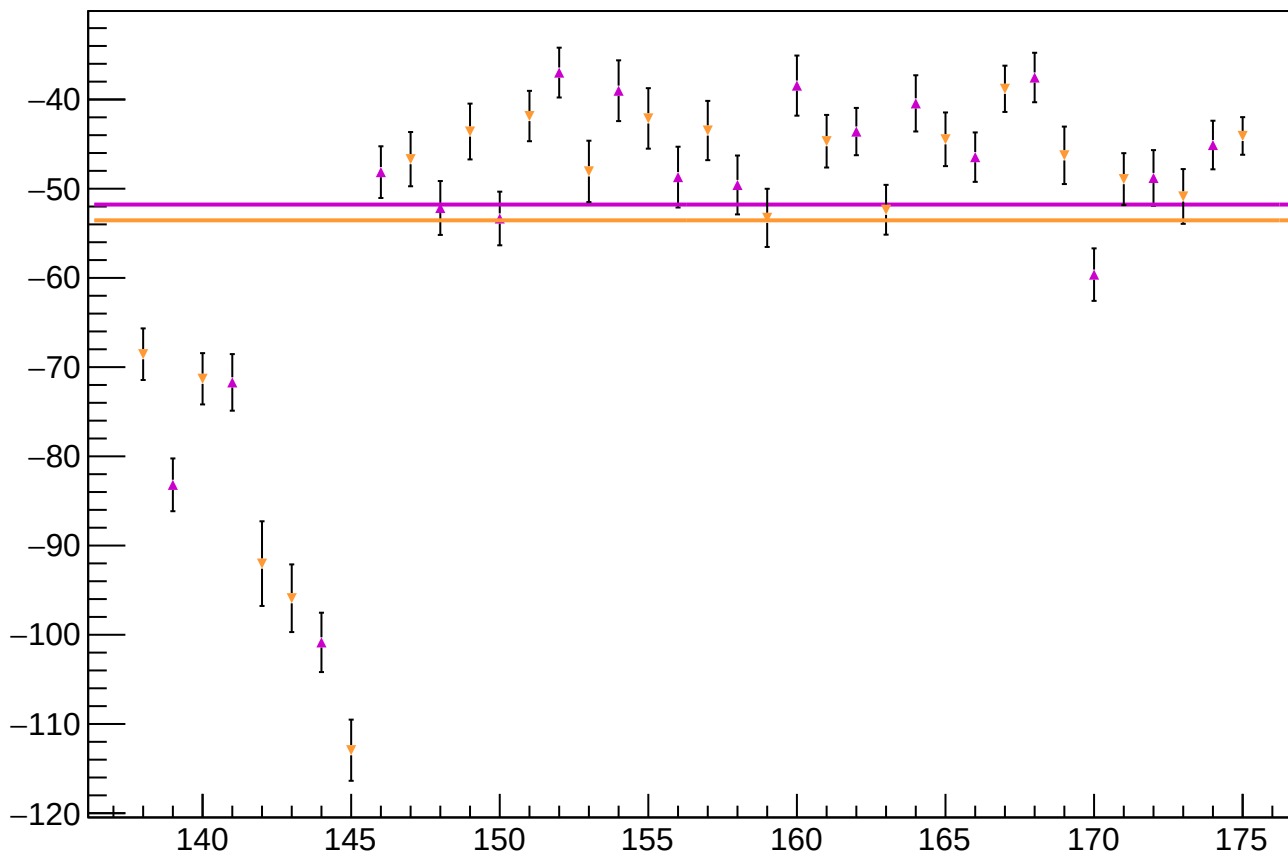
Right: -214.812+/-0.094 χ^2/NDF : 262670.9/35

In: -264.202+/-0.080 χ^2/NDF : 438577.2/34

Out: -249.404+/-0.077 χ^2/NDF : 835572.9/38

All: -256.450+/-0.055 χ^2/NDF : 1291943.3/73

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -53.546 ± 0.677 $\chi^2/\text{NDF}: 690.4/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -51.777 ± 0.711 $\chi^2/\text{NDF}: 497.3/17$

Left: -52.704 ± 0.490 $\chi^2/\text{NDF}: 1190.9/37$

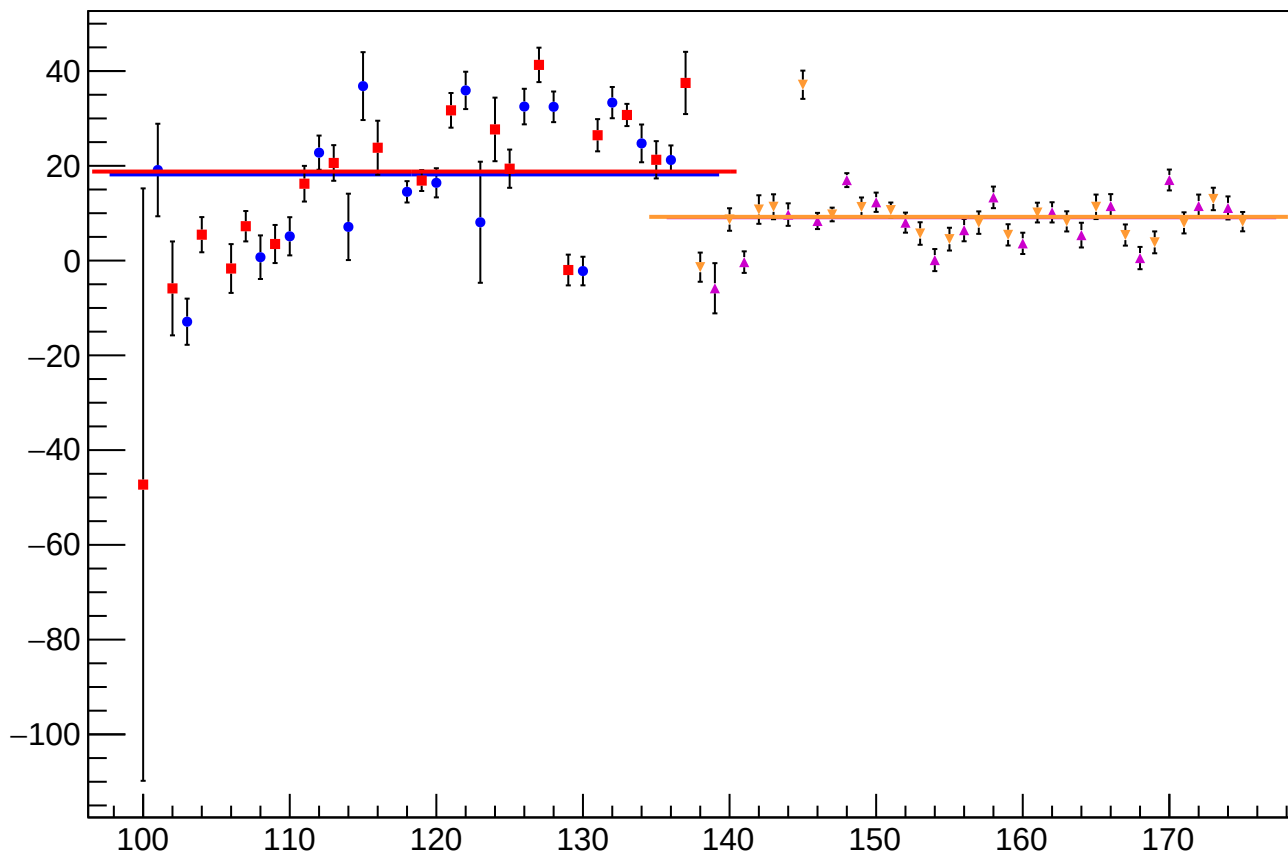
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -51.777 ± 0.711 $\chi^2/\text{NDF}: 497.3/17$

Out: -53.546 ± 0.677 $\chi^2/\text{NDF}: 690.4/19$

All: -52.704 ± 0.490 $\chi^2/\text{NDF}: 1190.9/37$

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 $\pm$ 0.917 χ^2 /NDF: 204.9/16

Left Out: 9.231 $\pm$ 0.494 χ^2 /NDF:124.0/19

Right Out: 18.791 $\pm$ 0.863 χ^2 /NDF: 198.8/18

Left In: 9.151 $\pm$ 0.521 χ^2 /NDF:113.5/17

Left: 9.193 $\pm$ 0.358 χ^2 /NDF: 237.5/37

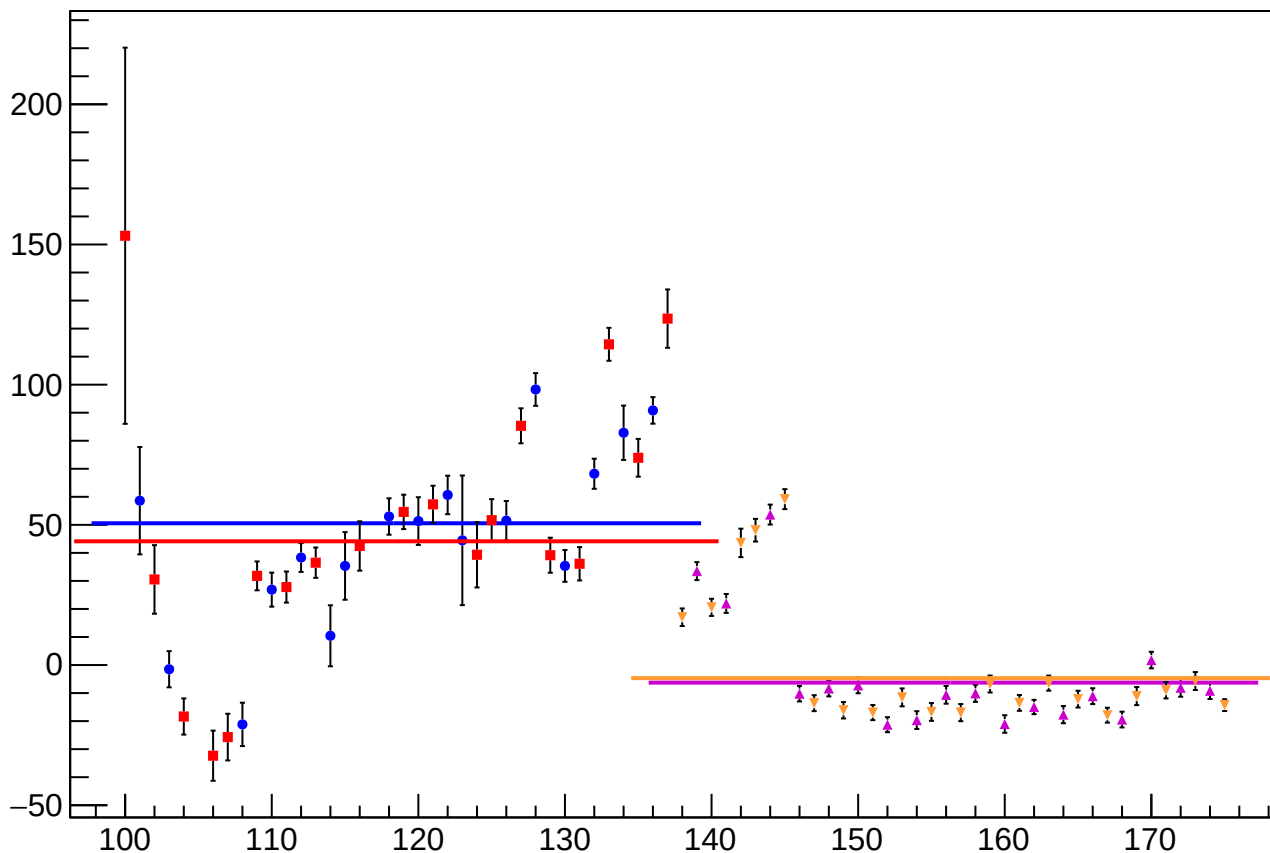
Right: 18.508 $\pm$ 0.628 χ^2 /NDF: 403.9/35

In: 11.355 $\pm$ 0.453 χ^2 /NDF:391.8/34

Out: 11.590 $\pm$ 0.429 χ^2 /NDF:415.2/38

All: 11.479 $\pm$ 0.311 χ^2 /NDF: 807.2/73

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: -4.666 $\pm$ 0.669 χ^2 /NDF: 847.7/19

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

Left In: -6.271 $\pm$ 0.701 χ^2 /NDF: 644.4/17

Left: -5.431 $\pm$ 0.484 χ^2 /NDF: 1494.9/37

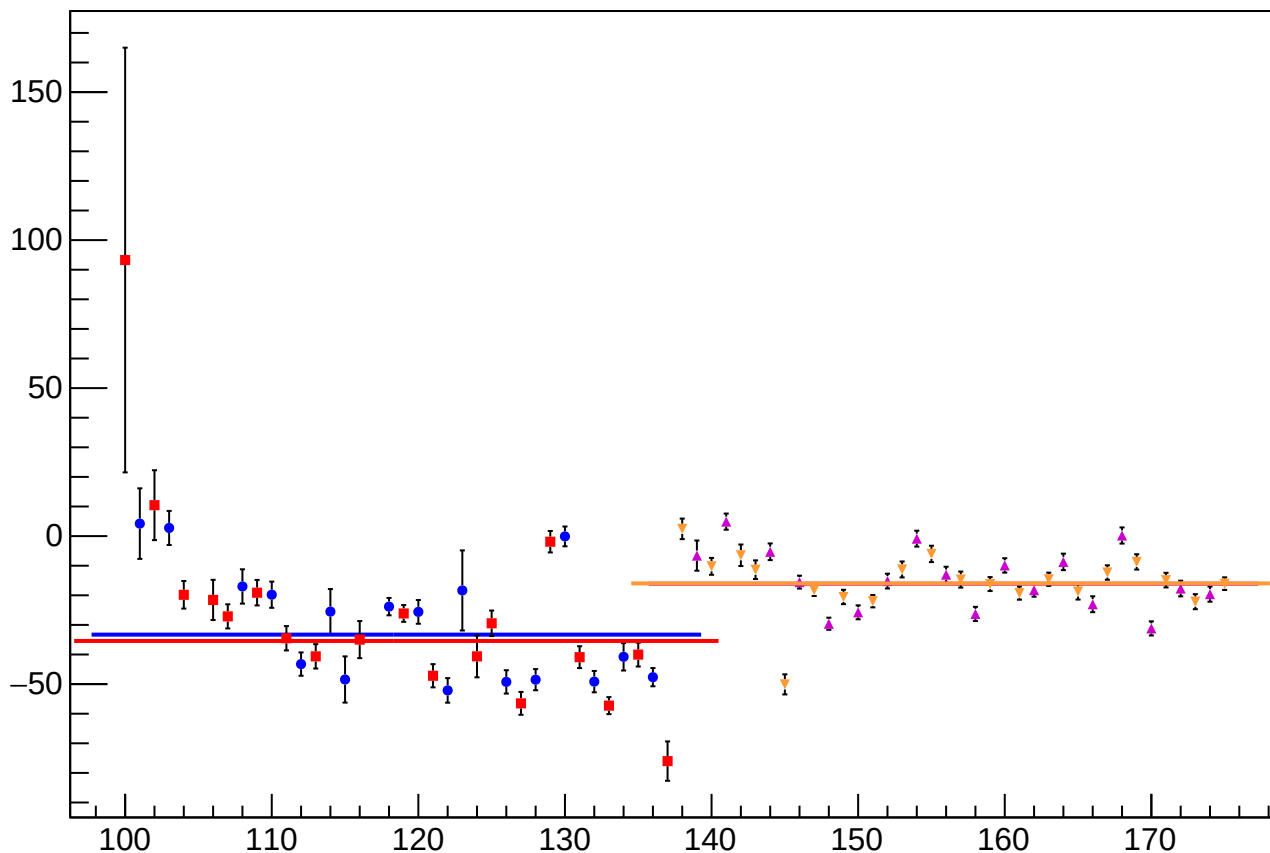
Right: 47.201 $\pm$ 1.159 χ^2 /NDF: 898.2/35

In: 2.178 $\pm$ 0.647 χ^2 /NDF: 1979.6/34

Out: 2.580 $\pm$ 0.618 χ^2 /NDF: 2169.8/38

All: 2.388 $\pm$ 0.447 χ^2 /NDF: 4149.6/73

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 $\chi^2/\text{NDF}: 290.1/16$

Left Out: -15.984 ± 0.568 $\chi^2/\text{NDF}: 191.3/19$

Right Out: -35.417 ± 0.991 $\chi^2/\text{NDF}: 289.7/18$

Left In: -16.090 ± 0.600 $\chi^2/\text{NDF}: 287.9/17$

Left: -16.034 ± 0.412 $\chi^2/\text{NDF}: 479.3/37$

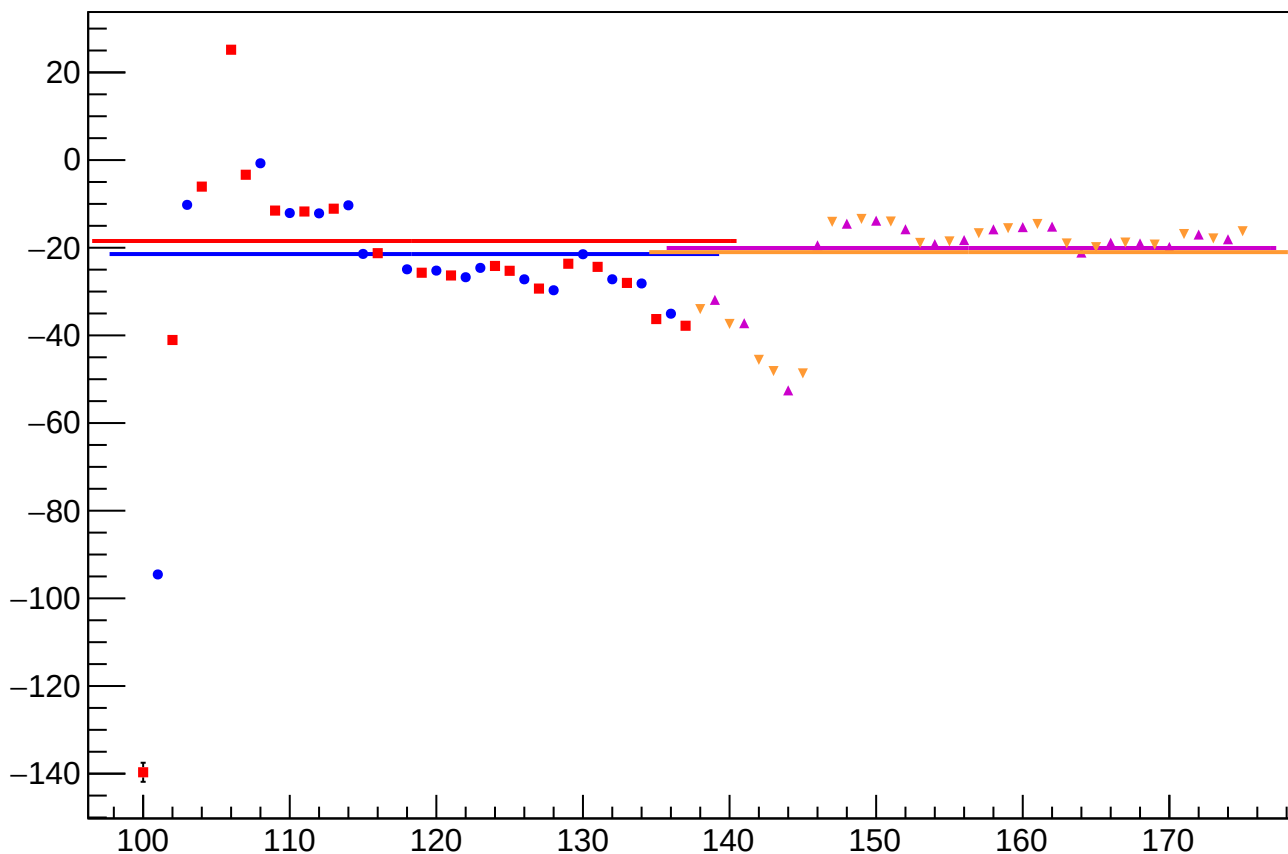
Right: -34.404 ± 0.719 $\chi^2/\text{NDF}: 582.0/35$

In: -20.357 ± 0.520 $\chi^2/\text{NDF}: 782.1/34$

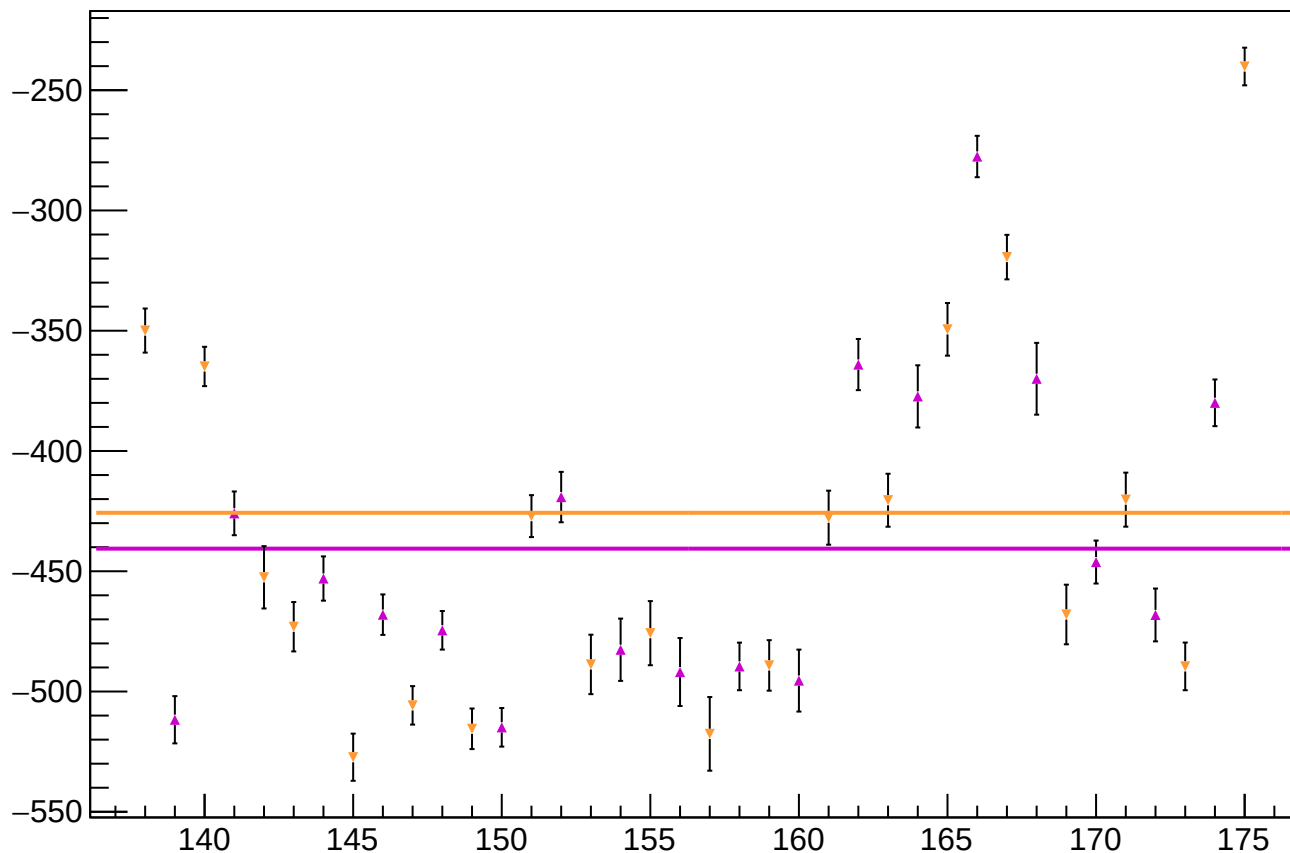
Out: -20.791 ± 0.493 $\chi^2/\text{NDF}: 770.3/38$

All: -20.586 ± 0.358 $\chi^2/\text{NDF}: 1552.7/73$

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: -425.689 +/- 2.246 χ^2/NDF : 1379.0/19

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

Left In: -440.606 +/- 2.357 χ^2/NDF : 744.4/17

Left: -432.790 +/- 1.626 χ^2/NDF : 2144.4/37

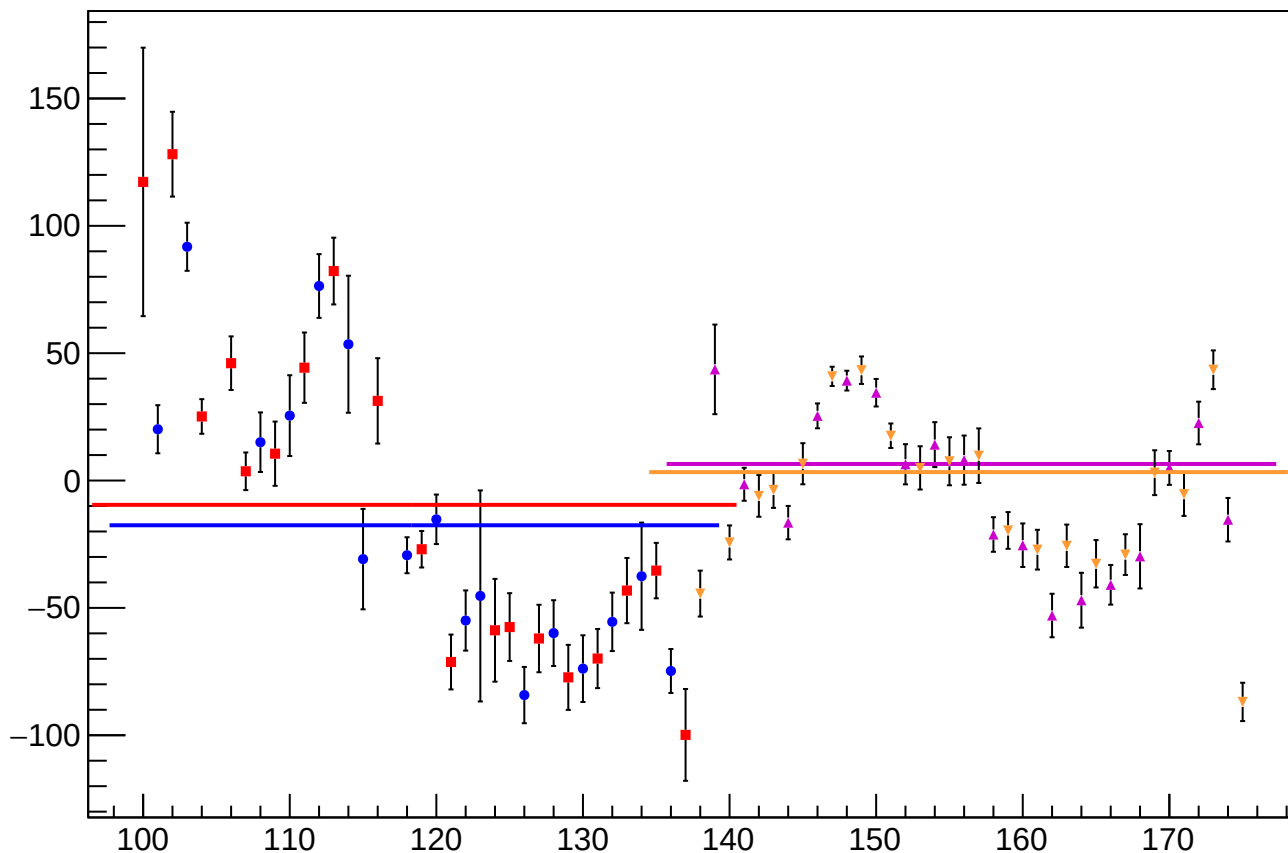
Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

In: -440.606 +/- 2.357 χ^2/NDF : 744.4/17

Out: -425.689 +/- 2.246 χ^2/NDF : 1379.0/19

All: -432.790 +/- 1.626 χ^2/NDF : 2144.4/37

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: 3.318 ± 1.571 $\chi^2/\text{NDF}: 451.9/19$

Right Out: -9.547 ± 2.609 $\chi^2/\text{NDF}: 370.3/18$

Left In: 6.502 ± 1.659 $\chi^2/\text{NDF}: 291.2/17$

Left: 4.824 ± 1.141 $\chi^2/\text{NDF}: 745.0/37$

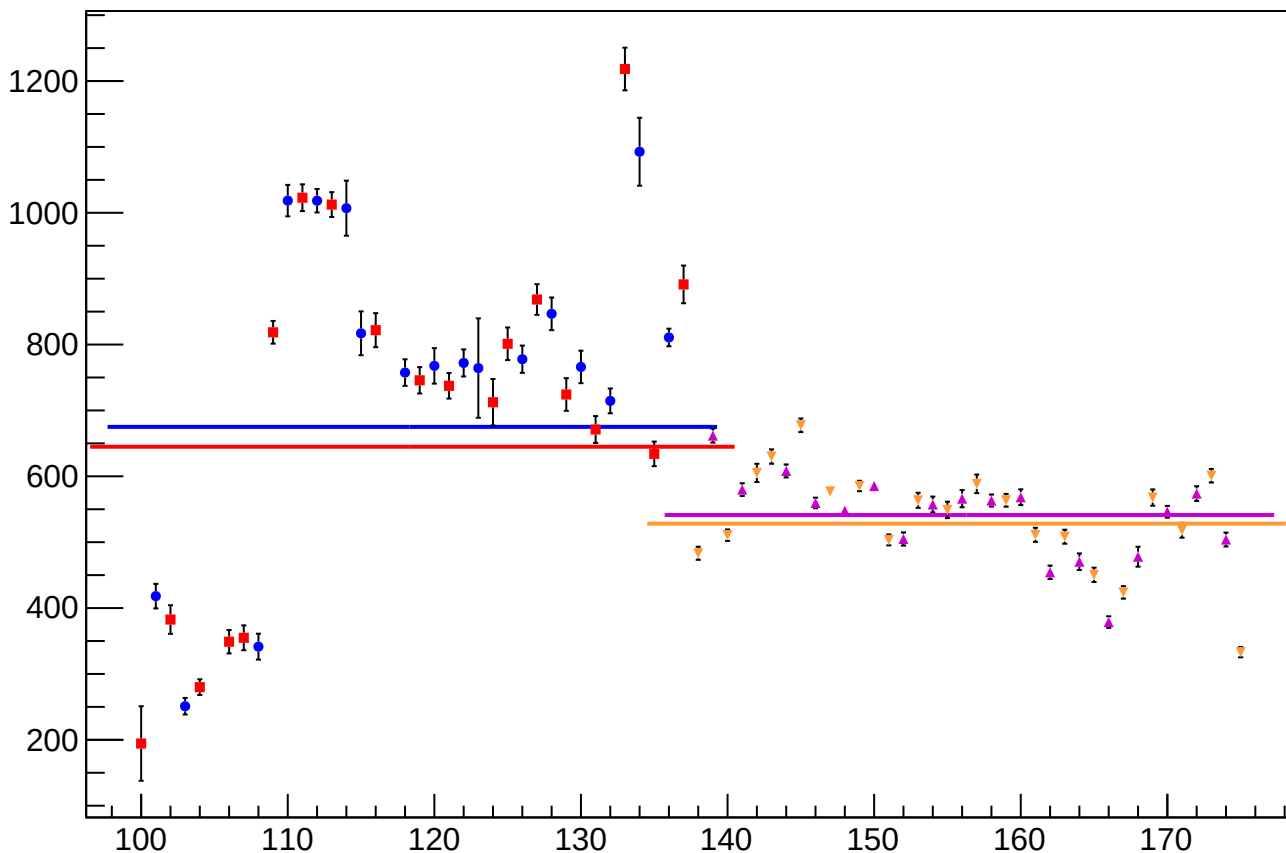
Right: -13.243 ± 1.915 $\chi^2/\text{NDF}: 738.4/35$

In: 0.317 ± 1.430 $\chi^2/\text{NDF}: 709.0/34$

Out: -0.107 ± 1.346 $\chi^2/\text{NDF}: 840.0/38$

All: 0.092 ± 0.980 $\chi^2/\text{NDF}: 1549.1/73$

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: 528.172 $\pm$ 2.227 χ^2 /NDF:1360.8/19

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

Left In: 541.293 $\pm$ 2.324 χ^2 /NDF:746.2/17

Left: 534.452 $\pm$ 1.608 χ^2 /NDF: 2123.6/37

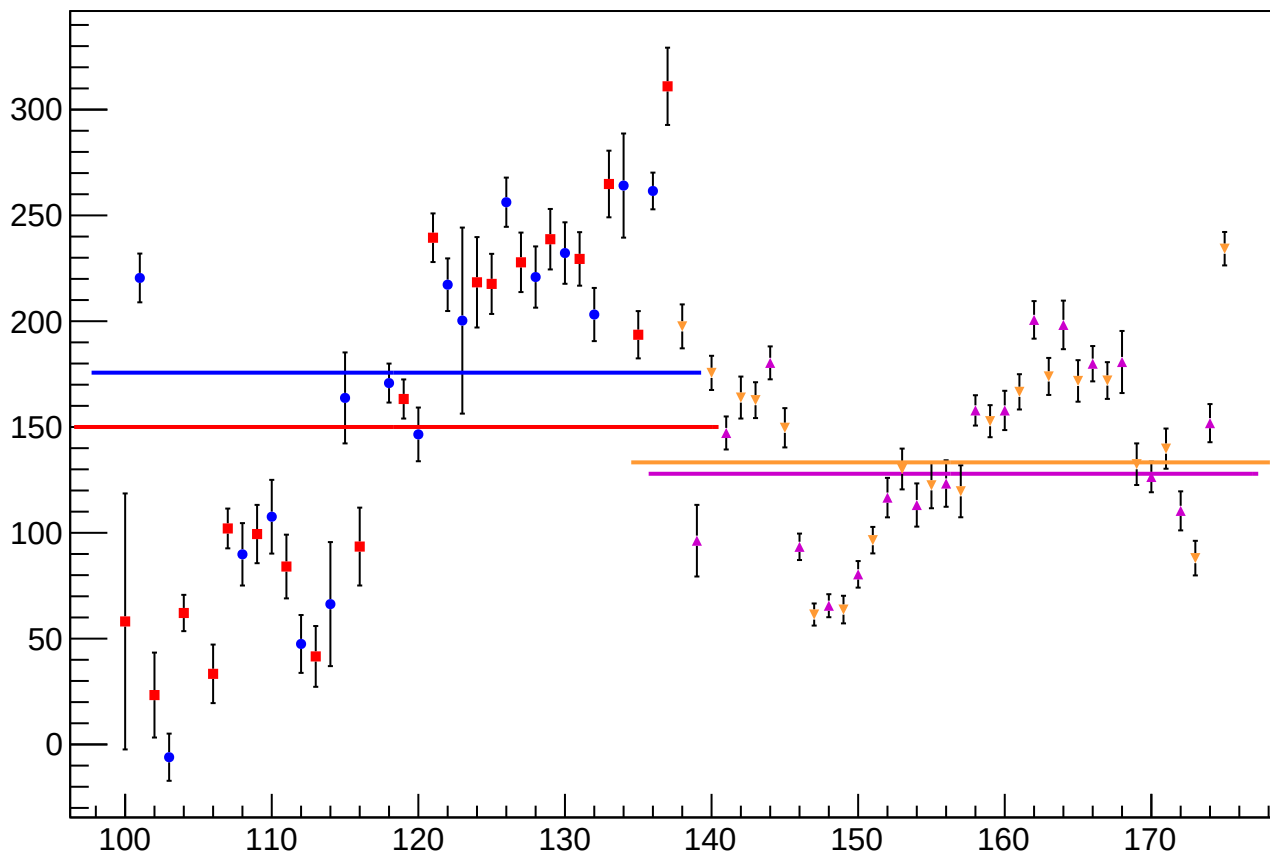
Right: 659.042 $\pm$ 3.470 χ^2 /NDF: 5725.3/35

In: 564.540 $\pm$ 2.113 χ^2 /NDF:3906.2/34

Out: 549.124 $\pm$ 2.017 χ^2 /NDF:4976.2/38

All: 556.475 $\pm$ 1.459 χ^2 /NDF: 8910.2/73

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 ± 3.239 $\chi^2/\text{NDF}: 637.9/16$

Left Out: 133.291 ± 1.848 $\chi^2/\text{NDF}: 703.9/19$

Right Out: 150.017 ± 3.042 $\chi^2/\text{NDF}: 693.8/18$

Left In: 127.908 ± 1.945 $\chi^2/\text{NDF}: 473.3/17$

Left: 130.737 ± 1.340 $\chi^2/\text{NDF}: 1181.3/37$

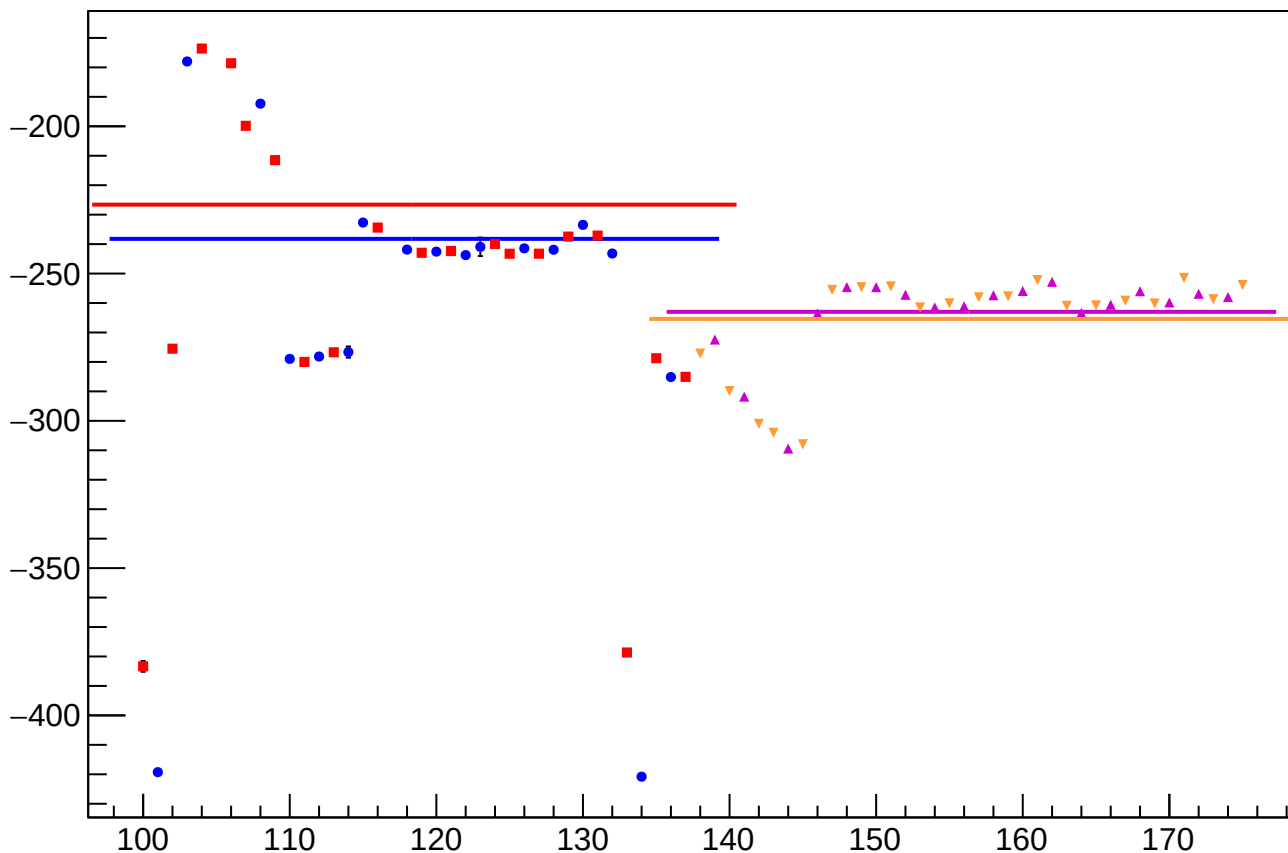
Right: 162.048 ± 2.217 $\chi^2/\text{NDF}: 1365.0/35$

In: 140.574 ± 1.668 $\chi^2/\text{NDF}: 1271.2/34$

Out: 137.801 ± 1.580 $\chi^2/\text{NDF}: 1419.8/38$

All: 139.113 ± 1.147 $\chi^2/\text{NDF}: 2692.4/73$

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 $\chi^2/\text{NDF}: 167120.0/16$

Left Out: -265.399 ± 0.090 $\chi^2/\text{NDF}: 35501.0/19$

Right Out: -226.597 ± 0.151 $\chi^2/\text{NDF}: 102562.3/18$

Left In: -262.991 ± 0.092 $\chi^2/\text{NDF}: 21173.6/17$

Left: -264.221 ± 0.064 $\chi^2/\text{NDF}: 57027.7/37$

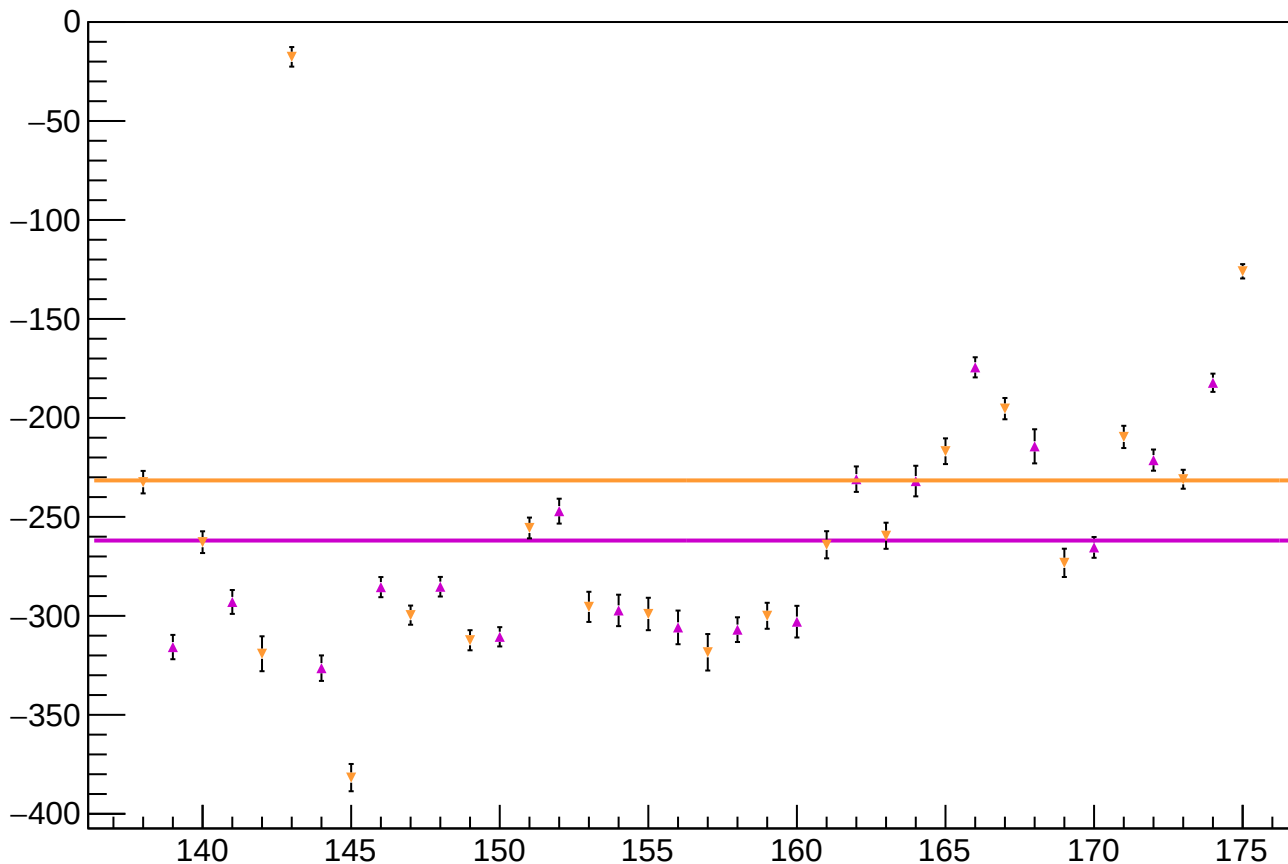
Right: -232.063 ± 0.110 $\chi^2/\text{NDF}: 272459.7/35$

In: -256.902 ± 0.080 $\chi^2/\text{NDF}: 206272.7/34$

Out: -255.313 ± 0.077 $\chi^2/\text{NDF}: 186783.3/38$

All: -256.082 ± 0.055 $\chi^2/\text{NDF}: 393261.7/73$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -231.576 $\pm$ 1.294 χ^2/NDF :4274.0/19

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -261.947 $\pm$ 1.404 χ^2/NDF :1199.0/17

Left: -245.522 $\pm$ 0.952 χ^2/NDF : 5726.0/37

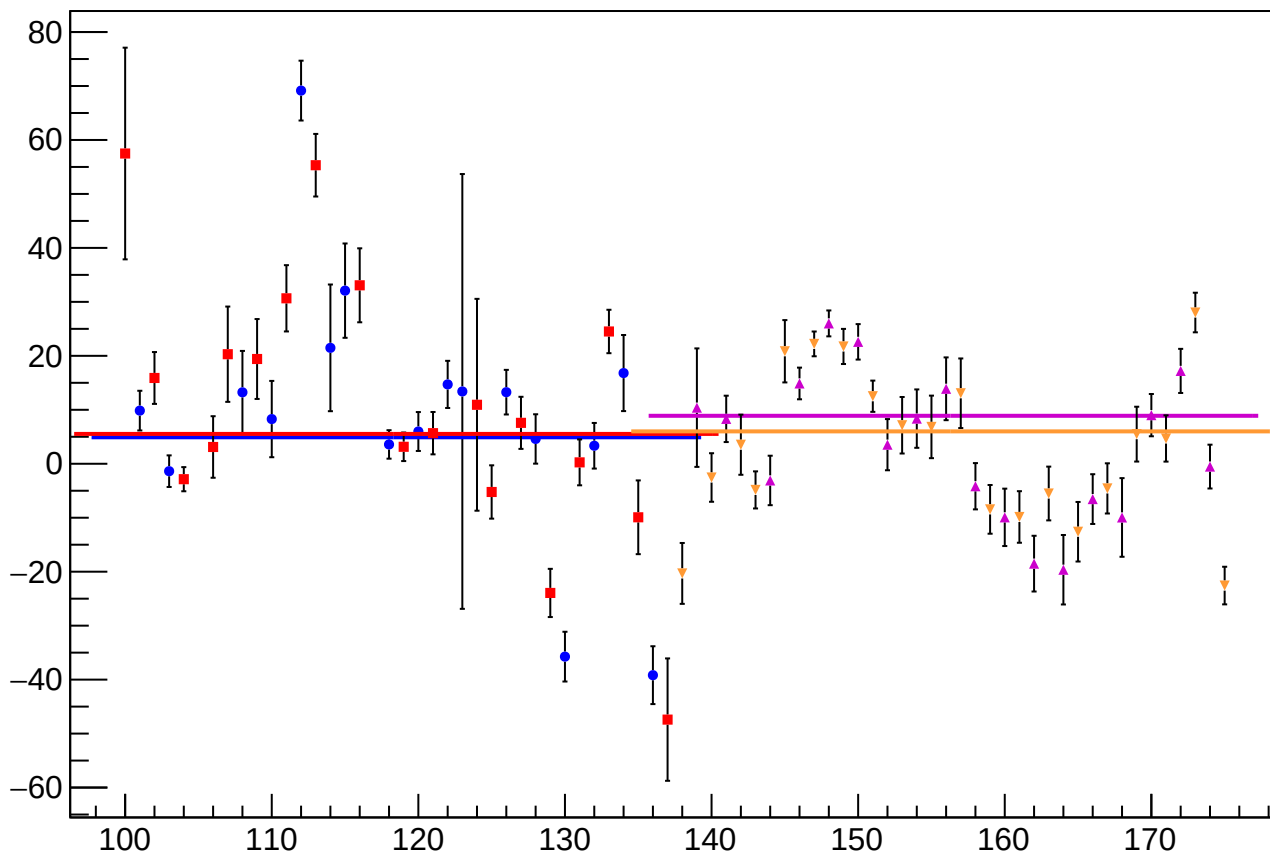
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -261.947 $\pm$ 1.404 χ^2/NDF :1199.0/17

Out: -231.576 $\pm$ 1.294 χ^2/NDF :4274.0/19

All: -245.522 $\pm$ 0.952 χ^2/NDF : 5726.0/37

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 $\pm$ 1.105 χ^2 /NDF: 311.7/16

Left Out: 6.000 $\pm$ 0.919 χ^2 /NDF:268.2/19

Right Out: 5.530 $\pm$ 1.069 χ^2 /NDF: 238.9/18

Left In: 8.889 $\pm$ 0.998 χ^2 /NDF:178.3/17

Left: 7.326 $\pm$ 0.676 χ^2 /NDF: 451.0/37

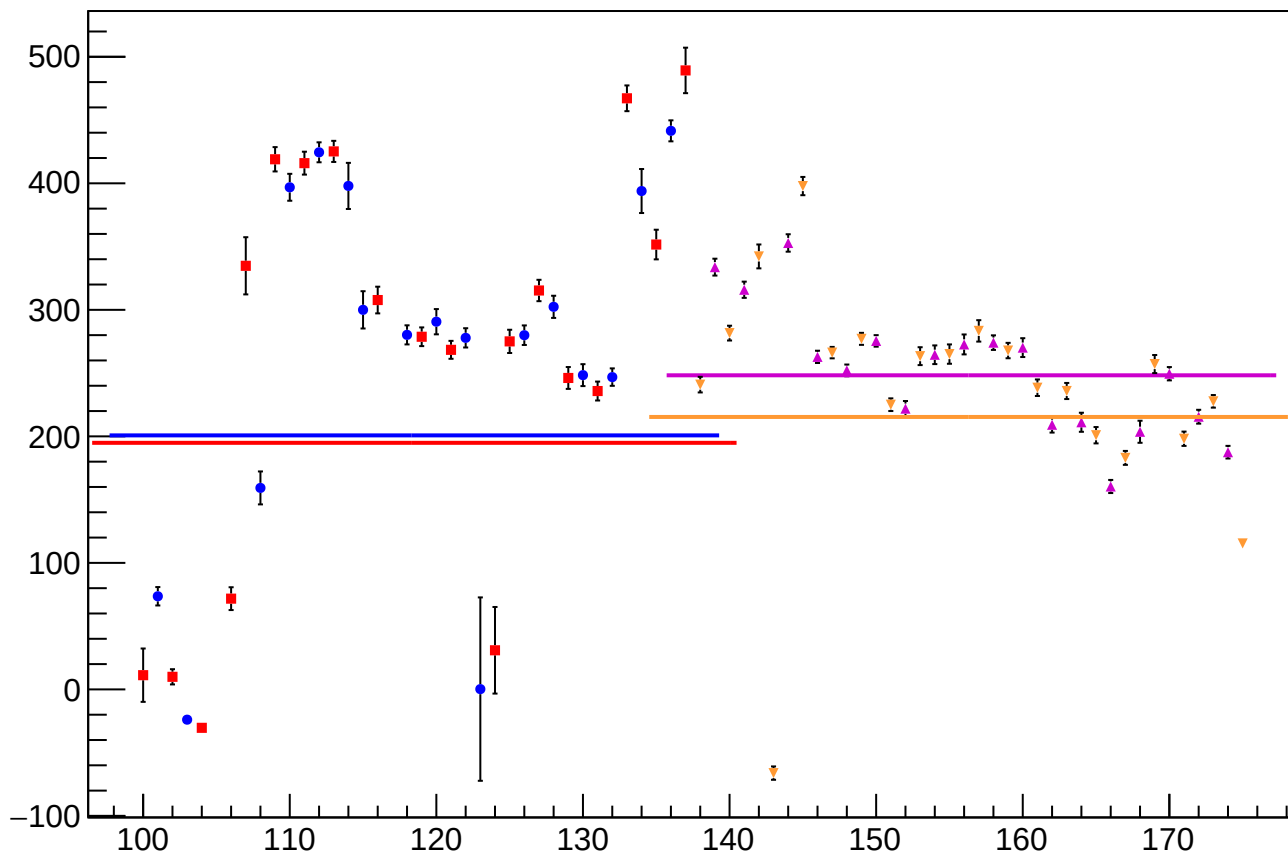
Right: 5.228 $\pm$ 0.768 χ^2 /NDF: 550.7/35

In: 7.099 $\pm$ 0.741 χ^2 /NDF:497.1/34

Out: 5.800 $\pm$ 0.697 χ^2 /NDF:507.2/38

All: 6.410 $\pm$ 0.508 χ^2 /NDF: 1006.0/73

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: 215.336 $\pm$ 1.285 χ^2 /NDF:5209.1/19

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

Left In: 248.260 $\pm$ 1.389 χ^2 /NDF:1175.6/17

Left: 230.526 $\pm$ 0.943 χ^2 /NDF: 6687.5/37

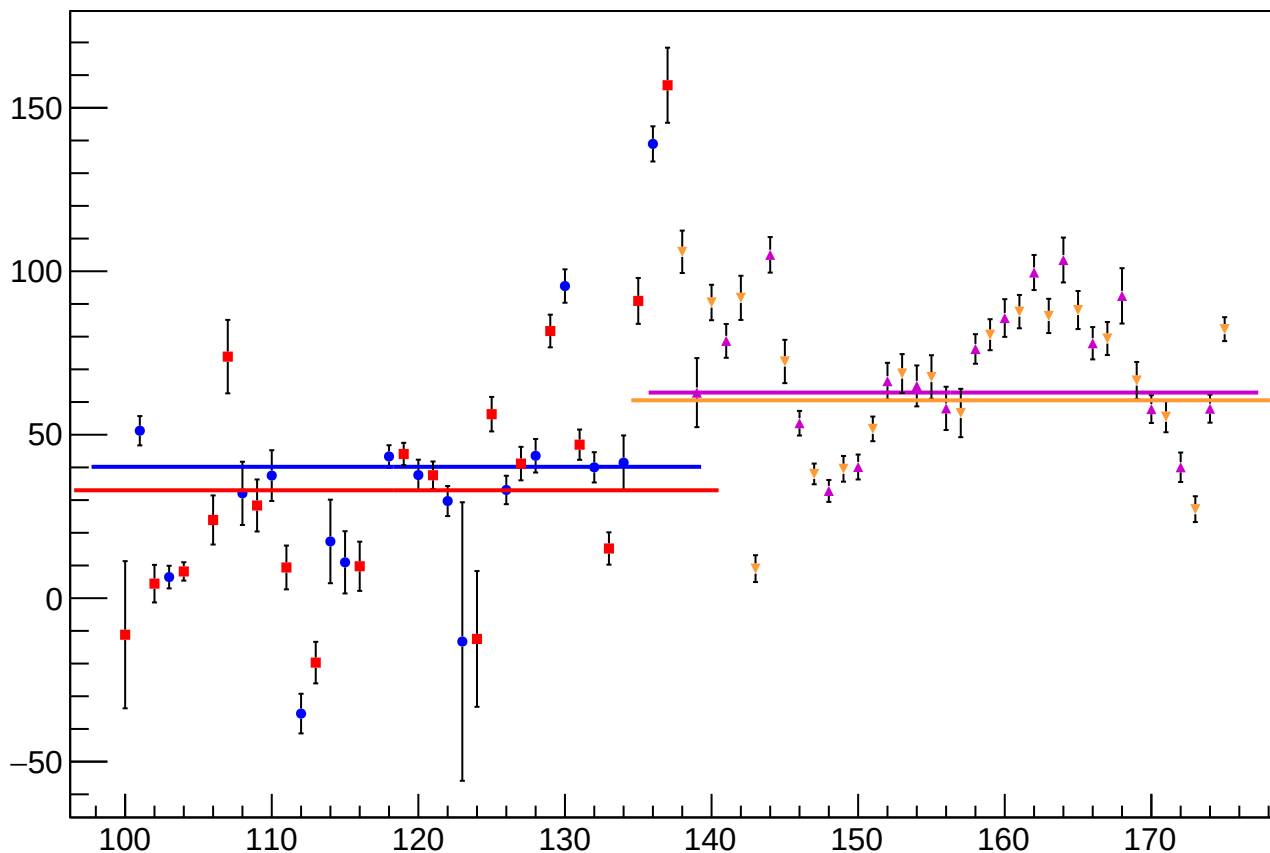
Right: 197.743 $\pm$ 1.381 χ^2 /NDF: 14984.6/35

In: 232.639 $\pm$ 1.137 χ^2 /NDF:8293.3/34

Out: 209.028 $\pm$ 1.069 χ^2 /NDF:13534.3/38

All: 220.098 $\pm$ 0.779 χ^2 /NDF: 22056.5/73

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: 60.528 $\pm$ 1.074 χ^2 /NDF:564.8/19

Right Out: 33.006 $\pm$ 1.250 χ^2 /NDF: 552.7/18

Left In: 62.899 $\pm$ 1.165 χ^2 /NDF:348.6/17

Left: 61.617 $\pm$ 0.789 χ^2 /NDF: 915.6/37

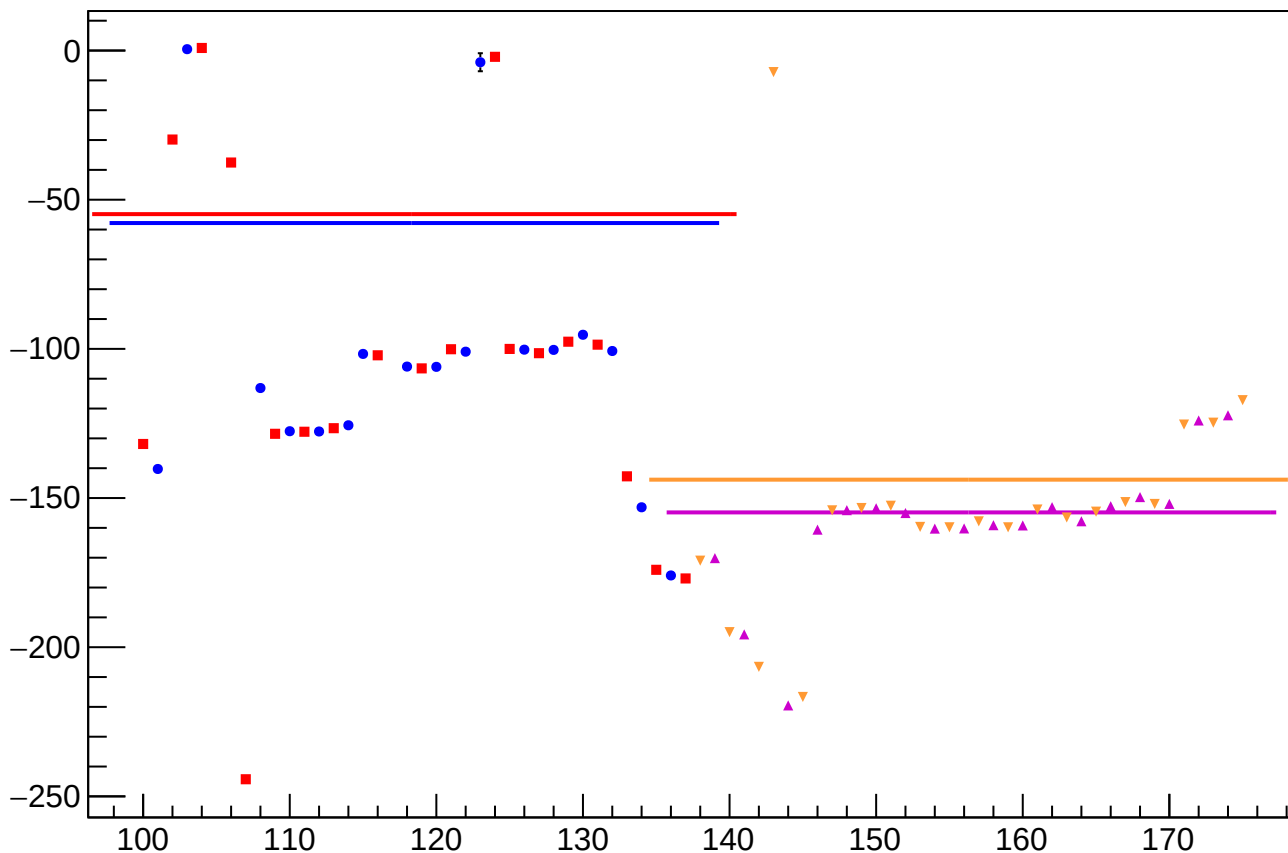
Right: 36.503 $\pm$ 0.896 χ^2 /NDF: 1303.3/35

In: 52.639 $\pm$ 0.862 χ^2 /NDF:1255.0/34

Out: 48.849 $\pm$ 0.815 χ^2 /NDF:1396.4/38

All: 50.636 $\pm$ 0.592 χ^2 /NDF: 2661.6/73

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 $\pm$ 0.062 χ^2 /NDF: 1101296.2/16

Left Out: -143.840 $\pm$ 0.052 χ^2 /NDF: 635140.0/19

Right Out: -54.833 $\pm$ 0.060 χ^2 /NDF: 1000741.7/18

Left In: -154.817 $\pm$ 0.054 χ^2 /NDF: 135612.1/17

Left: -149.067 $\pm$ 0.038 χ^2 /NDF: 792090.2/37

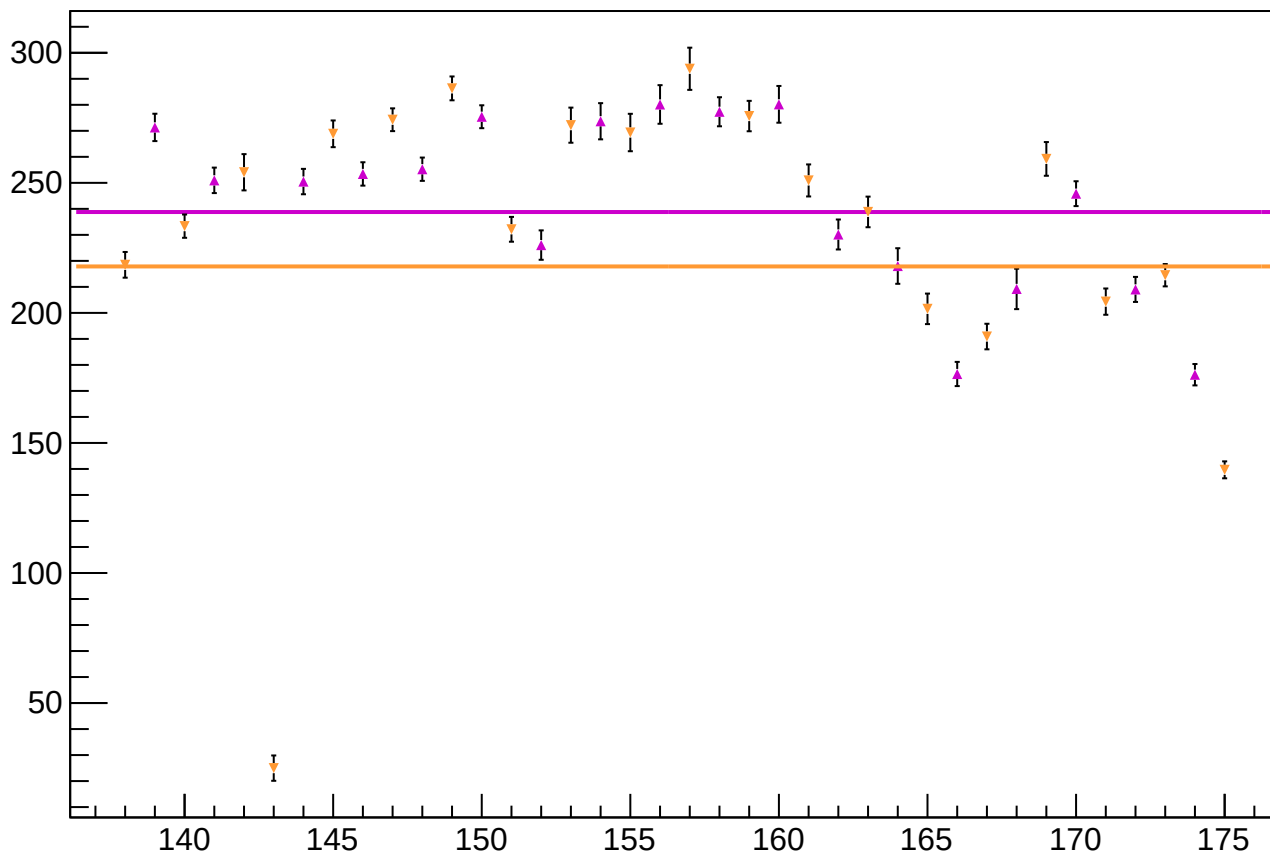
Right: -56.289 $\pm$ 0.043 χ^2 /NDF: 2103236.7/35

In: -112.474 $\pm$ 0.041 χ^2 /NDF: 2625431.8/34

Out: -105.953 $\pm$ 0.039 χ^2 /NDF: 2890051.8/38

All: -109.089 $\pm$ 0.028 χ^2 /NDF: 5528725.8/73

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 217.861 $\pm$ 1.149 χ^2/NDF :3109.3/19

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 238.783 $\pm$ 1.237 χ^2/NDF :764.1/17

Left: 227.547 $\pm$ 0.842 χ^2/NDF : 4027.0/37

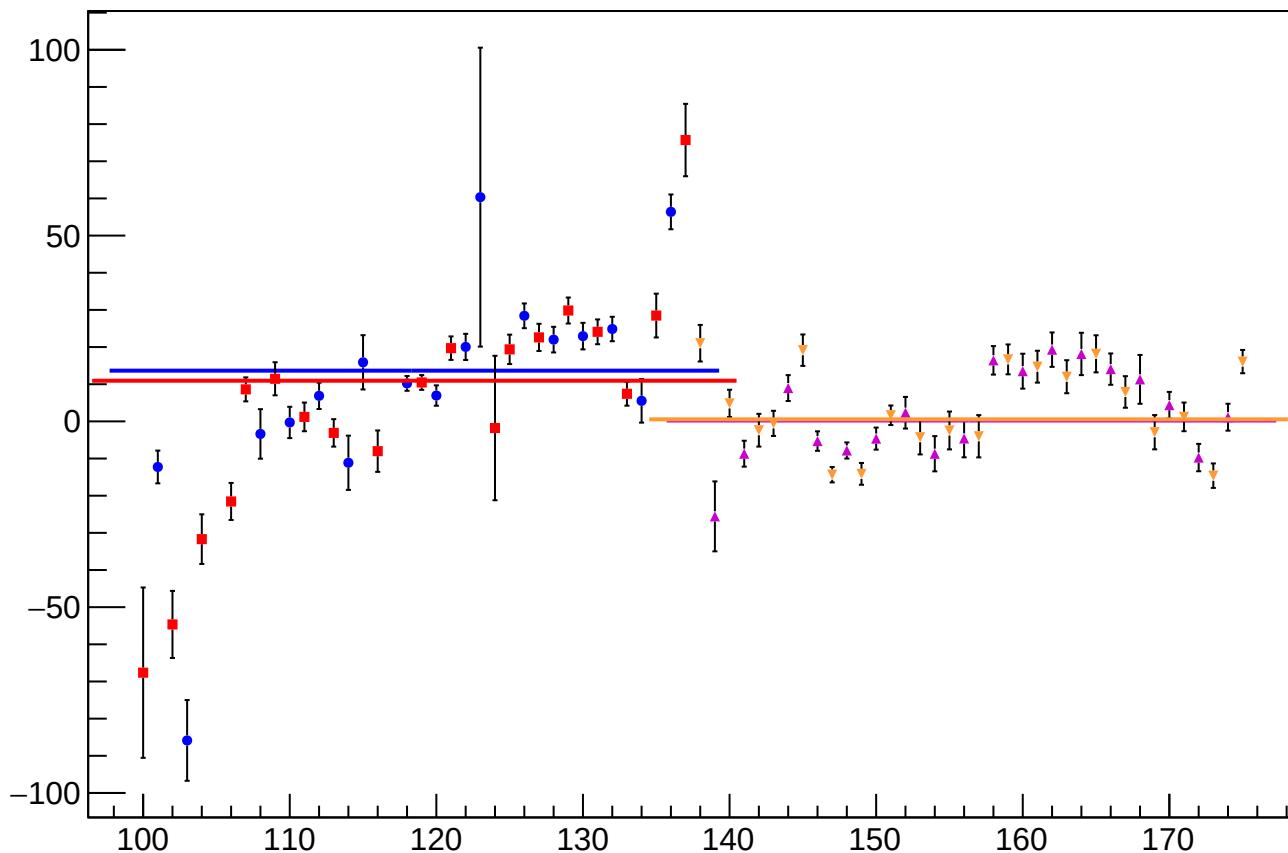
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 238.783 $\pm$ 1.237 χ^2/NDF :764.1/17

Out: 217.861 $\pm$ 1.149 χ^2/NDF :3109.3/19

All: 227.547 $\pm$ 0.842 χ^2/NDF : 4027.0/37

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: 0.555 $\pm$ 0.819 χ^2 /NDF: 212.8/19

Right Out: 10.944 $\pm$ 0.913 χ^2 /NDF: 302.5/18

Left In: 0.232 $\pm$ 0.882 χ^2 /NDF: 121.0/17

Left: 0.405 $\pm$ 0.600 χ^2 /NDF: 333.9/37

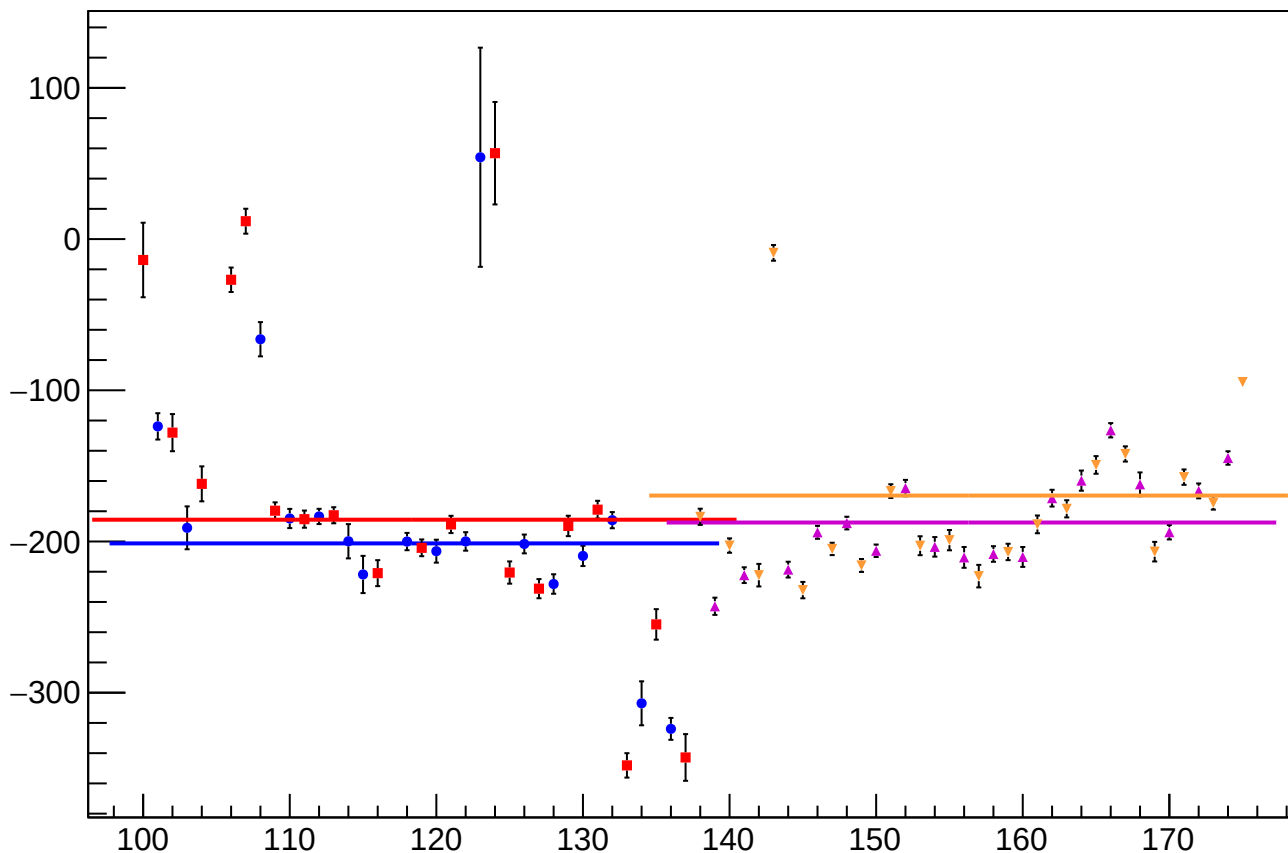
Right: 12.264 $\pm$ 0.654 χ^2 /NDF: 600.9/35

In: 6.545 $\pm$ 0.642 χ^2 /NDF: 523.9/34

Out: 5.189 $\pm$ 0.610 χ^2 /NDF: 587.0/38

All: 5.832 $\pm$ 0.442 χ^2 /NDF: 1113.2/73

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: -169.627 ± 1.143 χ^2/NDF : 2154.5/19

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

Left In: -187.461 ± 1.226 χ^2/NDF : 574.4/17

Left: -177.917 ± 0.836 χ^2/NDF : 2842.2/37

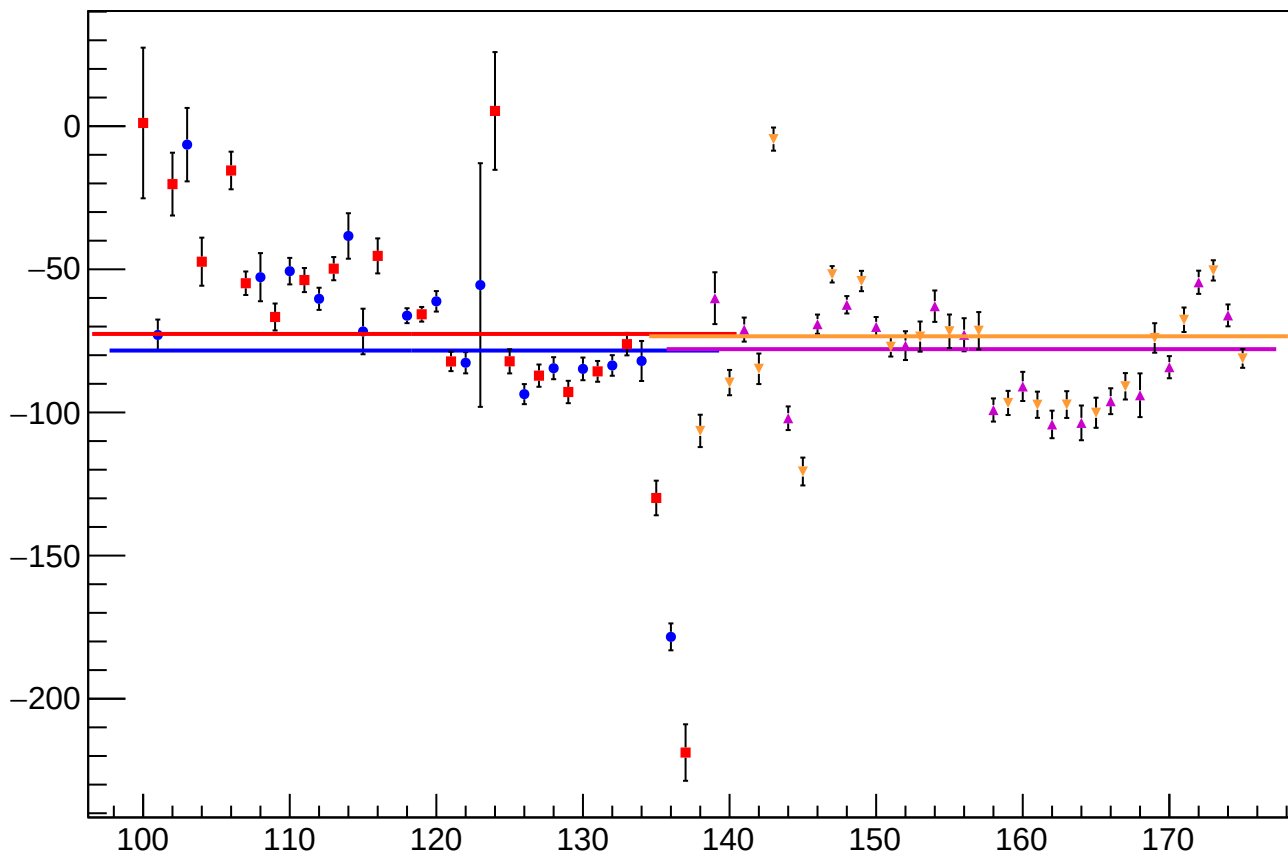
Right: -192.999 ± 1.234 χ^2/NDF : 2409.6/35

In: -191.851 ± 1.012 χ^2/NDF : 1238.2/34

Out: -174.598 ± 0.948 χ^2/NDF : 3961.3/38

All: -182.660 ± 0.692 χ^2/NDF : 5354.2/73

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.376 $\pm$ 1.081 χ^2 /NDF: 651.4/16

Left Out: -73.395 $\pm$ 0.956 χ^2 /NDF:697.8/19

Right Out: -72.577 $\pm$ 1.052 χ^2 /NDF: 605.8/18

Left In: -77.889 $\pm$ 1.029 χ^2 /NDF:234.9/17

Left: -75.478 $\pm$ 0.701 χ^2 /NDF: 943.0/37

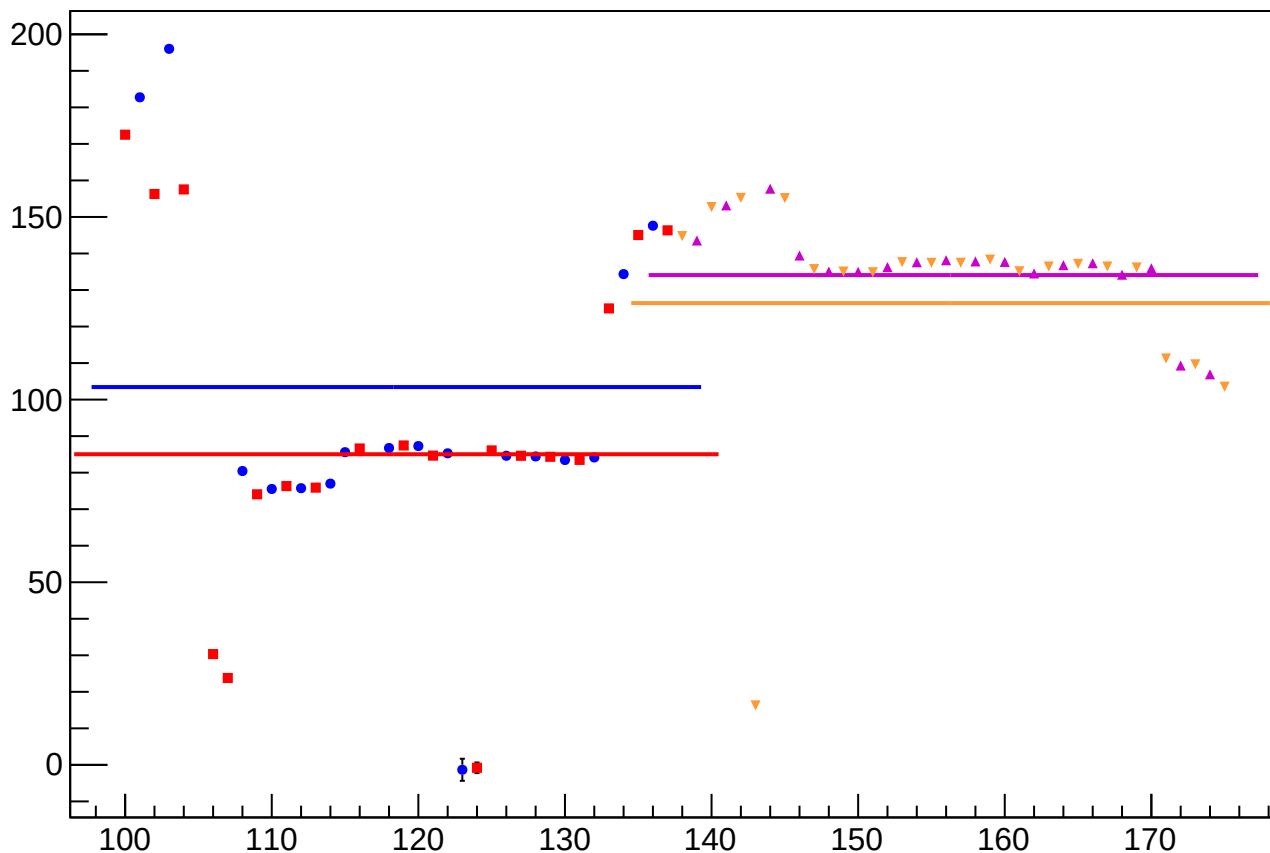
Right: -75.395 $\pm$ 0.754 χ^2 /NDF: 1272.0/35

In: -78.120 $\pm$ 0.746 χ^2 /NDF:886.4/34

Out: -73.025 $\pm$ 0.708 χ^2 /NDF:1304.0/38

All: -75.440 $\pm$ 0.513 χ^2 /NDF: 2215.0/73

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 126.422 $\pm$ 0.046 χ^2 /NDF: 396290.9/19

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

Left In: 134.095 $\pm$ 0.048 χ^2 /NDF: 72148.1/17

Left: 130.096 $\pm$ 0.033 χ^2 /NDF: 481725.0/37

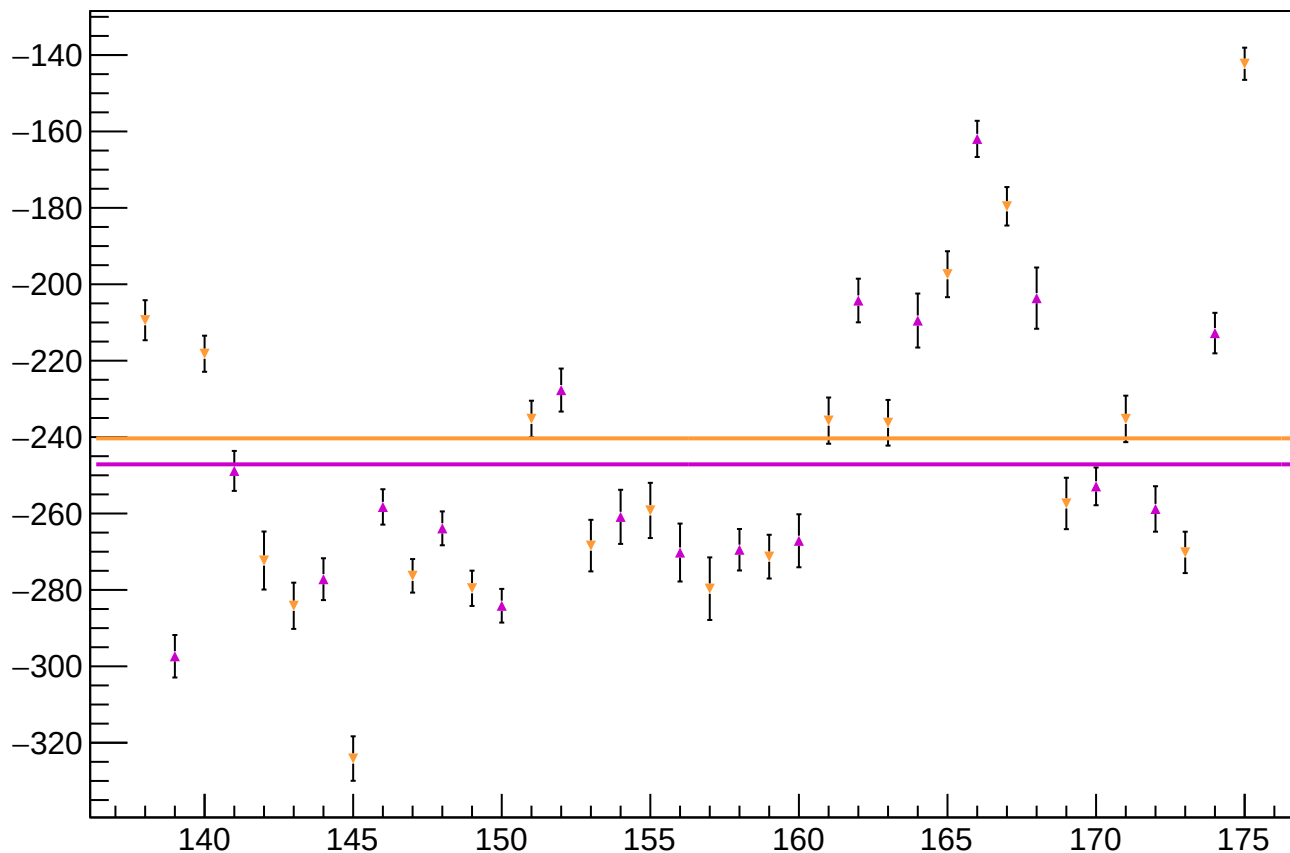
Right: 93.267 $\pm$ 0.047 χ^2 /NDF: 732362.9/35

In: 124.441 $\pm$ 0.040 χ^2 /NDF: 473119.1/34

Out: 112.227 $\pm$ 0.037 χ^2 /NDF: 1095504.1/38

All: 117.948 $\pm$ 0.027 χ^2 /NDF: 1618755.4/73

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: -240.329+/-1.243 χ^2/NDF :1328.0/19

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

Left In: -247.136+/-1.302 χ^2/NDF :737.6/17

Left: -243.577+/-0.899 χ^2/NDF : 2080.0/37

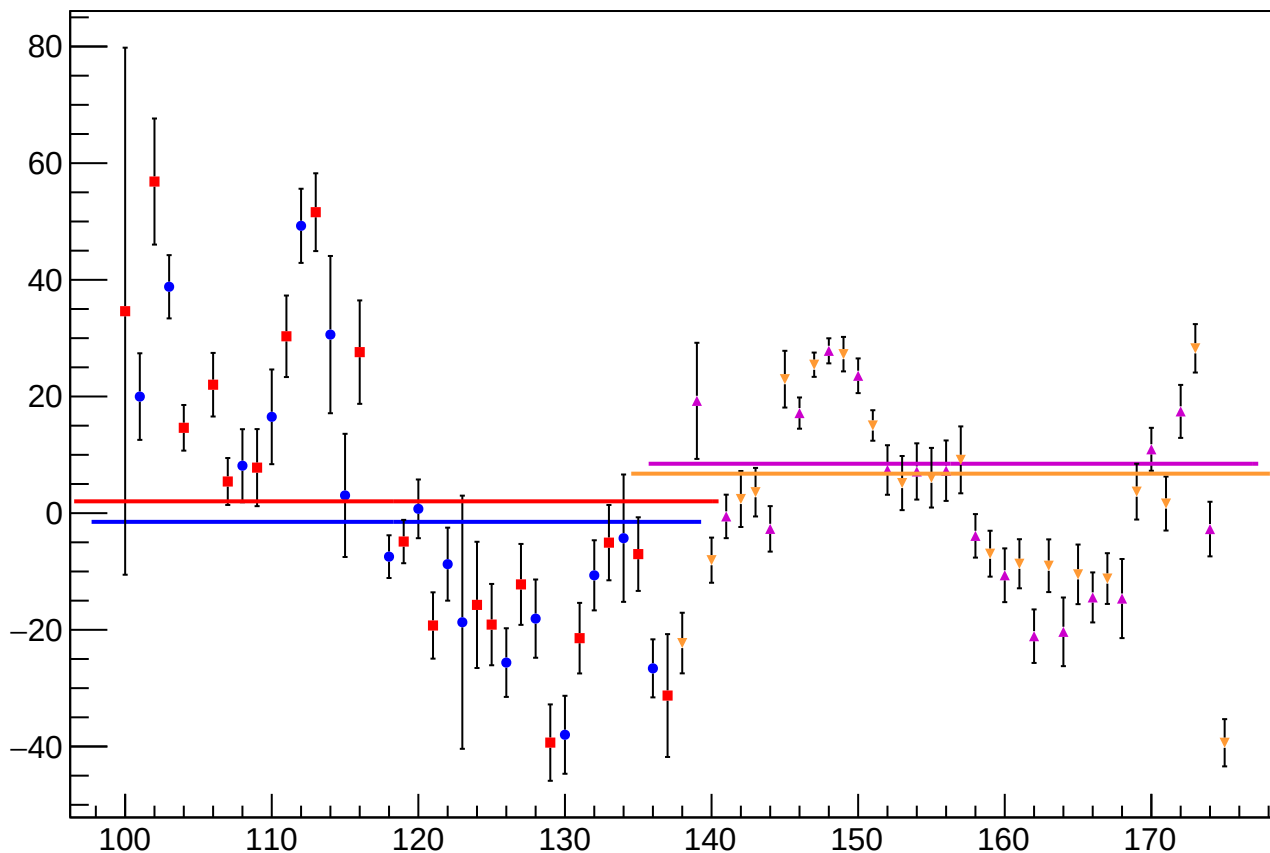
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -247.136+/-1.302 χ^2/NDF :737.6/17

Out: -240.329+/-1.243 χ^2/NDF :1328.0/19

All: -243.577+/-0.899 χ^2/NDF : 2080.0/37

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 6.772 ± 0.869 $\chi^2/\text{NDF}: 421.8/19$

Right Out: 2.028 ± 1.400 $\chi^2/\text{NDF}: 233.3/18$

Left In: 8.472 ± 0.916 $\chi^2/\text{NDF}: 276.7/17$

Left: 7.577 ± 0.630 $\chi^2/\text{NDF}: 700.3/37$

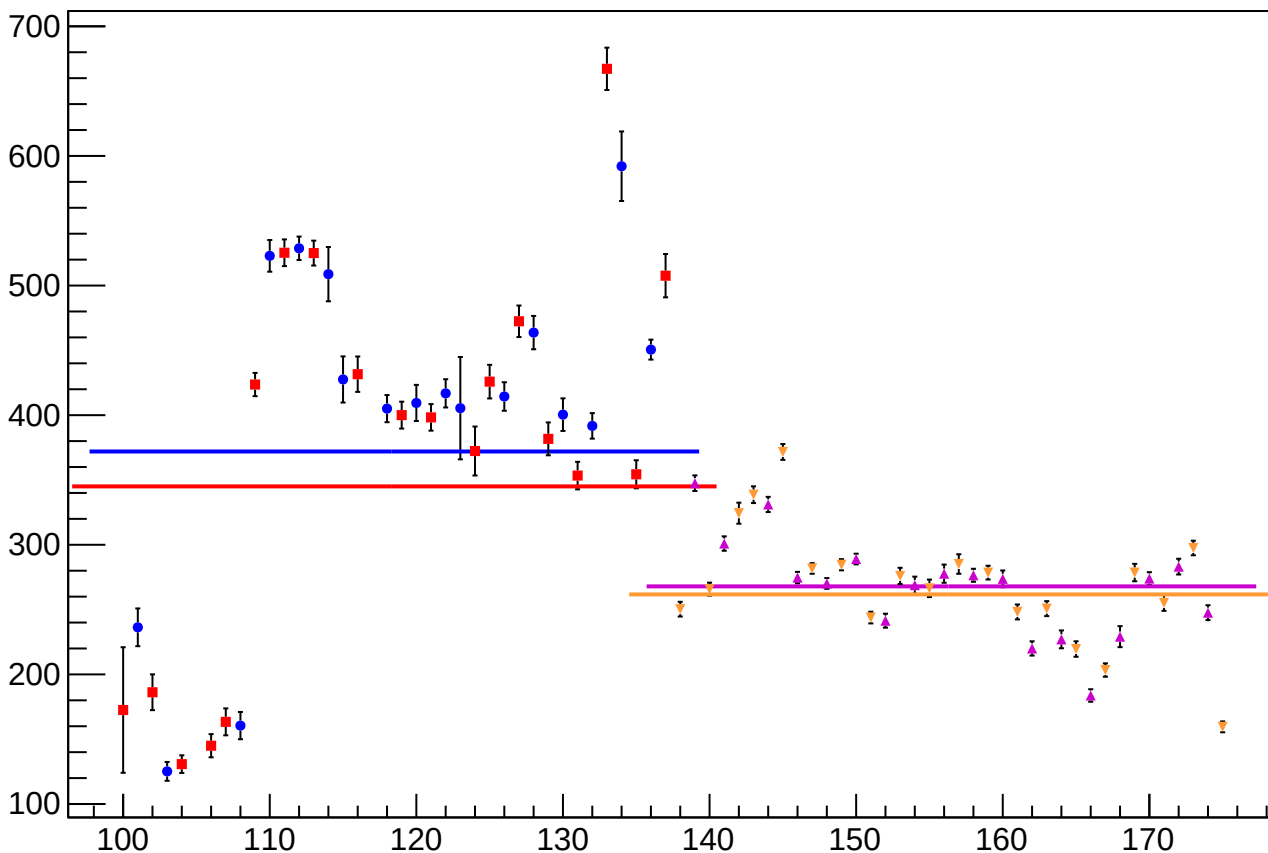
Right: 0.432 ± 1.035 $\chi^2/\text{NDF}: 462.1/35$

In: 5.859 ± 0.787 $\chi^2/\text{NDF}: 533.7/34$

Out: 5.452 ± 0.738 $\chi^2/\text{NDF}: 663.3/38$

All: 5.642 ± 0.538 $\chi^2/\text{NDF}: 1197.1/73$

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: 261.710 $\pm$ 1.229 χ^2 /NDF:1448.1/19

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

Left In: 267.916 $\pm$ 1.282 χ^2 /NDF:843.5/17

Left: 264.684 $\pm$ 0.887 χ^2 /NDF: 2303.8/37

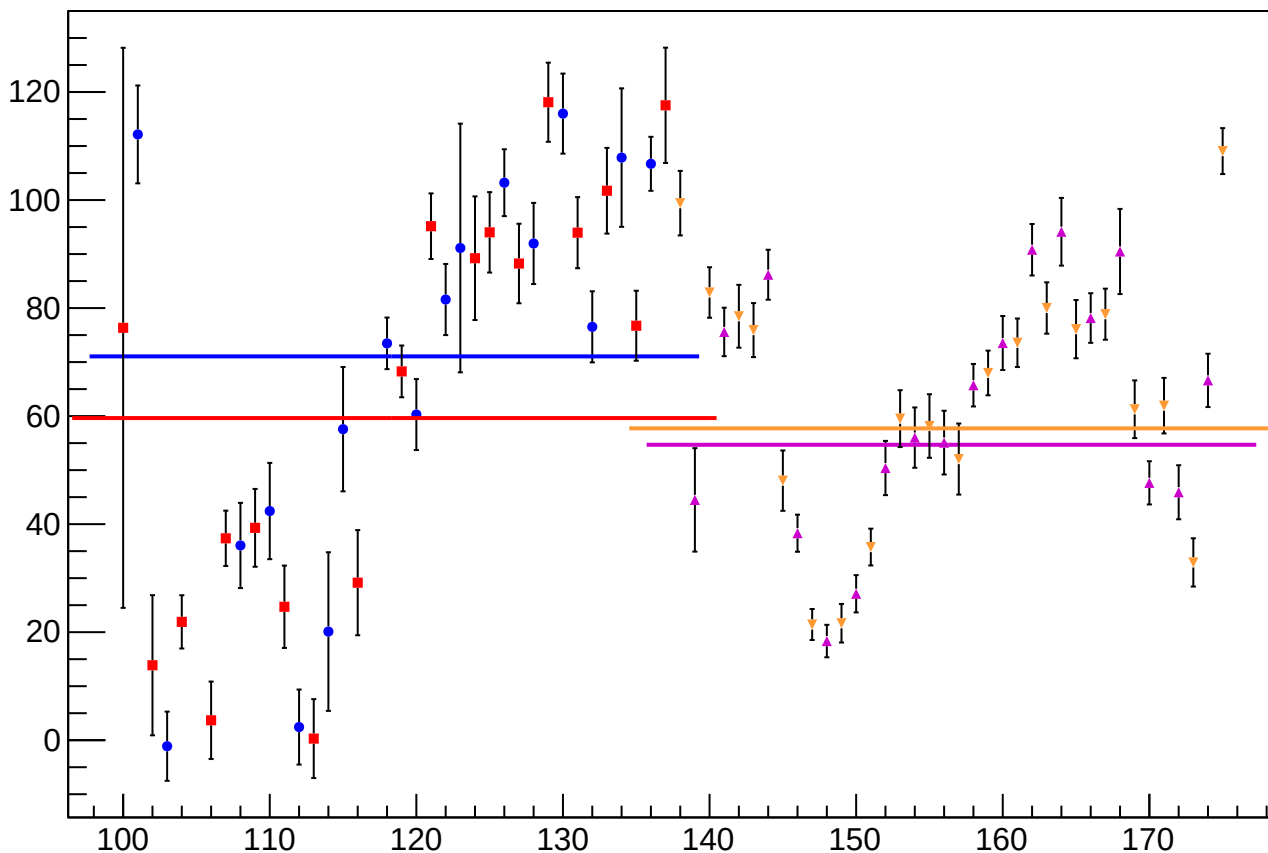
Right: 357.423 $\pm$ 1.883 χ^2 /NDF: 5898.6/35

In: 286.179 $\pm$ 1.164 χ^2 /NDF:4433.2/34

Out: 277.306 $\pm$ 1.108 χ^2 /NDF:5723.2/38

All: 281.527 $\pm$ 0.803 χ^2 /NDF: 10186.9/73

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: 57.730 $\pm$ 1.021 χ^2 /NDF:661.0/19

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

Left In: 54.692 $\pm$ 1.073 χ^2 /NDF:480.4/17

Left: 56.287 $\pm$ 0.740 χ^2 /NDF: 1145.6/37

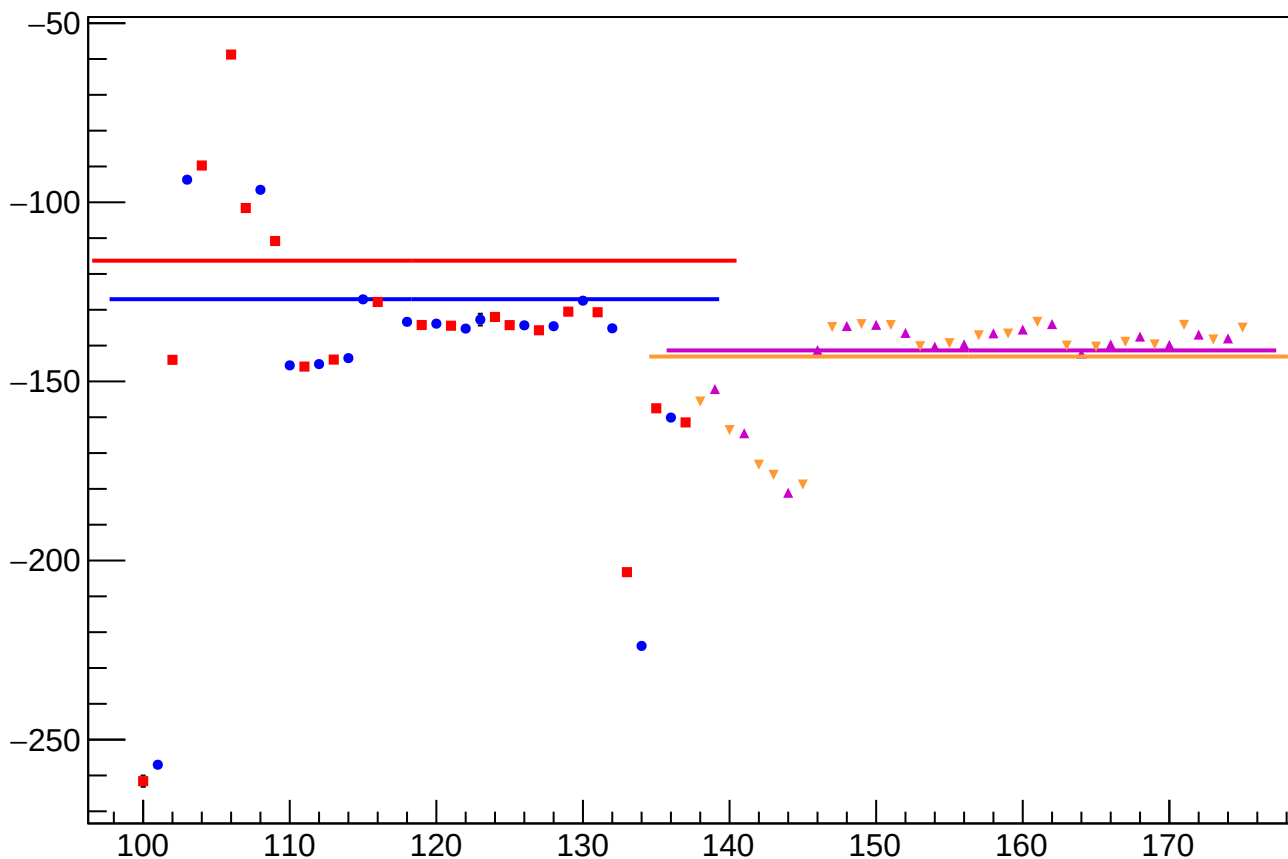
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 59.112 $\pm$ 0.917 χ^2 /NDF:969.4/34

Out: 58.267 $\pm$ 0.865 χ^2 /NDF:1153.7/38

All: 58.665 $\pm$ 0.629 χ^2 /NDF: 2123.5/73

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -143.058+/-0.049 χ^2/NDF : 73367.2/19

Right Out: -116.295+/-0.083 χ^2/NDF : 167109.1/18

Left In: -141.347+/-0.050 χ^2/NDF : 44336.9/17

Left: -142.220+/-0.035 χ^2/NDF : 118291.0/37

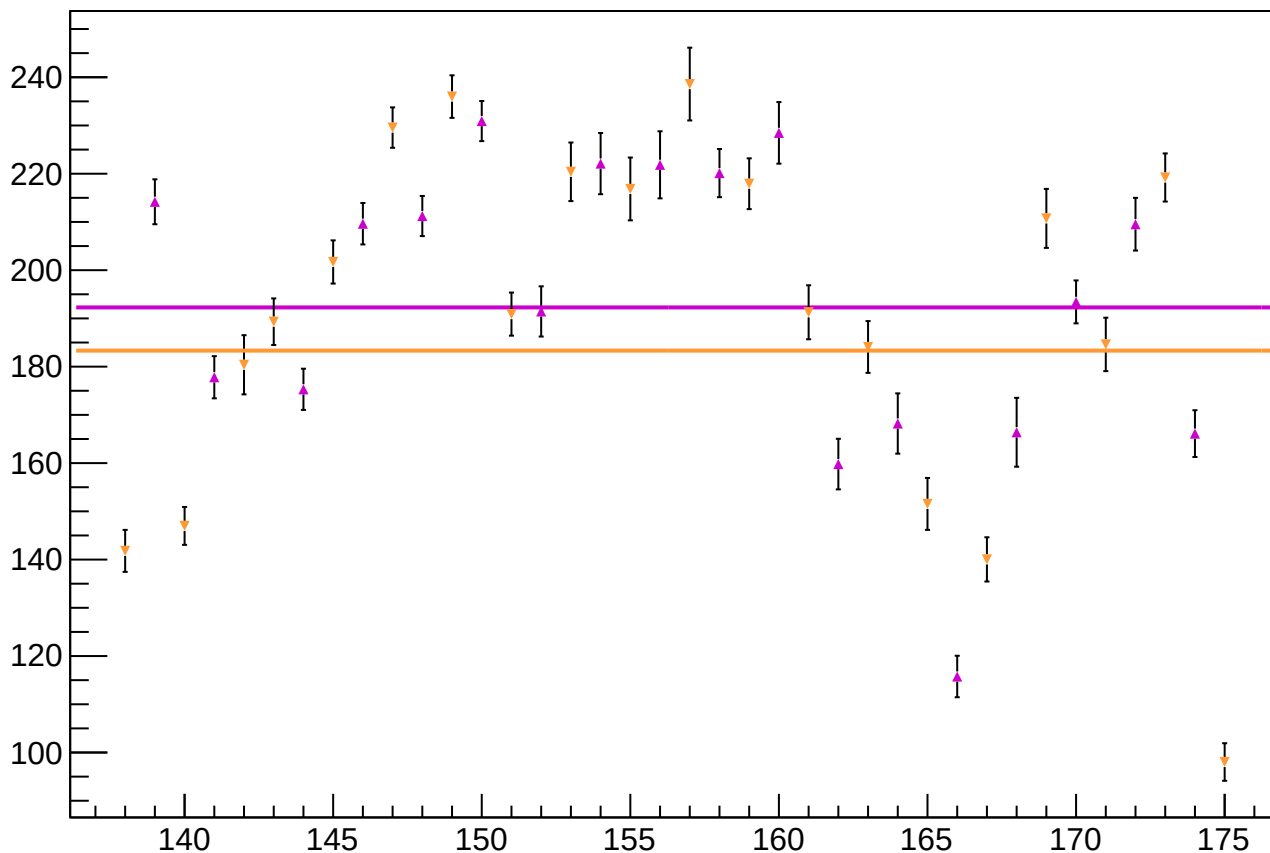
Right: -121.250+/-0.061 χ^2/NDF : 341860.6/35

In: -137.916+/-0.044 χ^2/NDF : 230629.6/34

Out: -136.046+/-0.042 χ^2/NDF : 317236.9/38

All: -136.949+/-0.031 χ^2/NDF : 548801.9/73

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: 183.326 $\pm$ 1.109 χ^2/NDF :1300.3/19

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 192.279 $\pm$ 1.169 χ^2/NDF :697.6/17

Left: 187.567 $\pm$ 0.804 χ^2/NDF : 2028.8/37

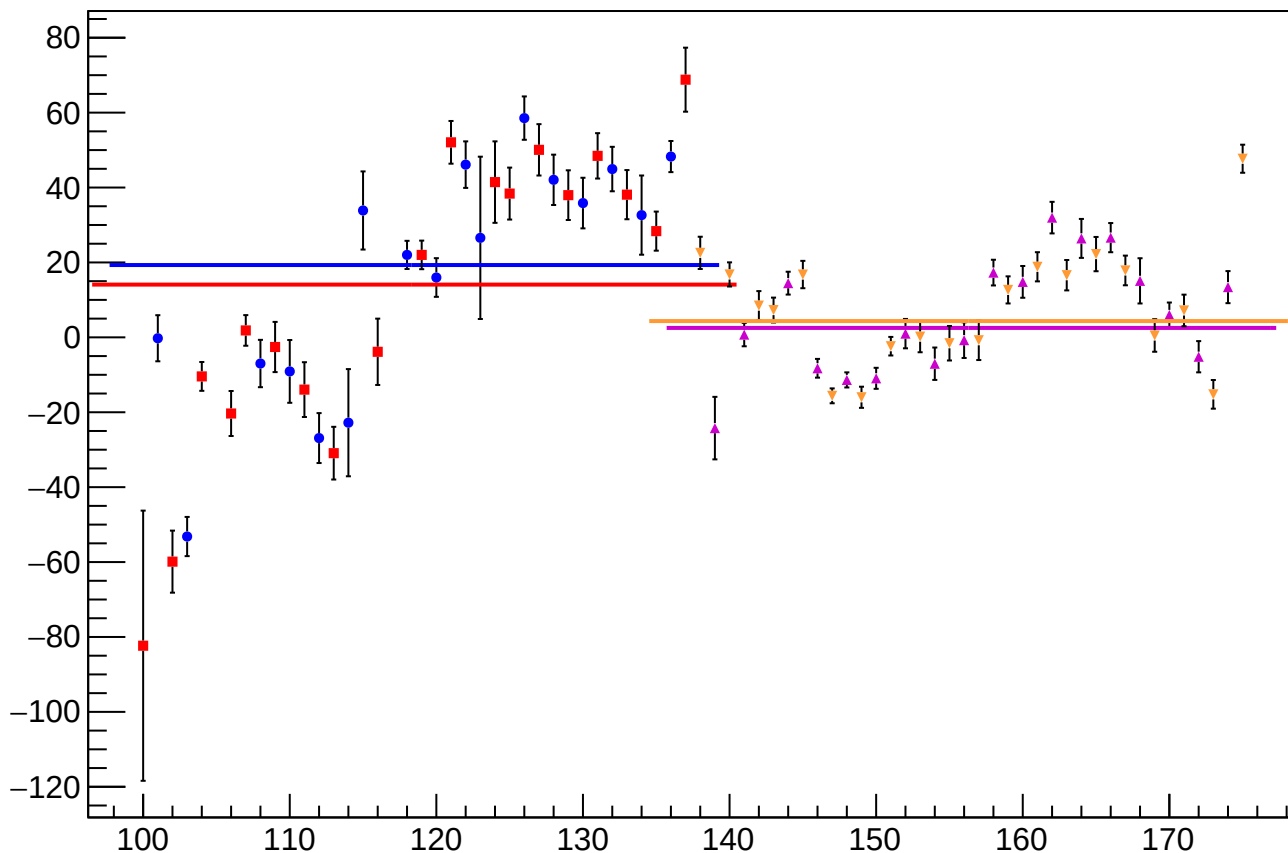
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 192.279 $\pm$ 1.169 χ^2/NDF :697.6/17

Out: 183.326 $\pm$ 1.109 χ^2/NDF :1300.3/19

All: 187.567 $\pm$ 0.804 χ^2/NDF : 2028.8/37

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 $\pm$ 1.500 χ^2 /NDF: 441.3/16

Left Out: 4.348 $\pm$ 0.784 χ^2 /NDF: 426.6/19

Right Out: 14.083 $\pm$ 1.390 χ^2 /NDF: 436.9/18

Left In: 2.517 $\pm$ 0.830 χ^2 /NDF: 270.9/17

Left: 3.485 $\pm$ 0.570 χ^2 /NDF: 700.1/37

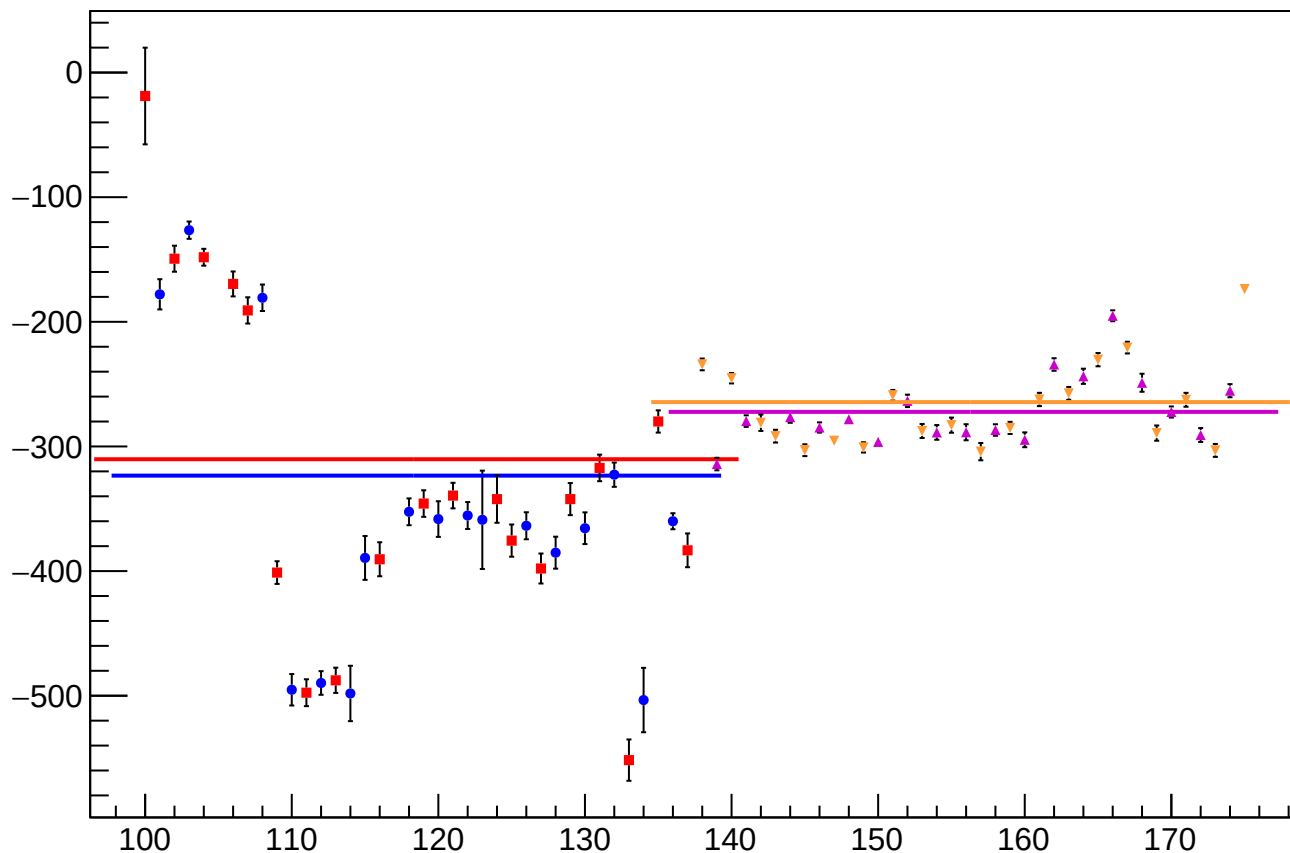
Right: 16.496 $\pm$ 1.020 χ^2 /NDF: 884.7/35

In: 6.454 $\pm$ 0.727 χ^2 /NDF: 808.0/34

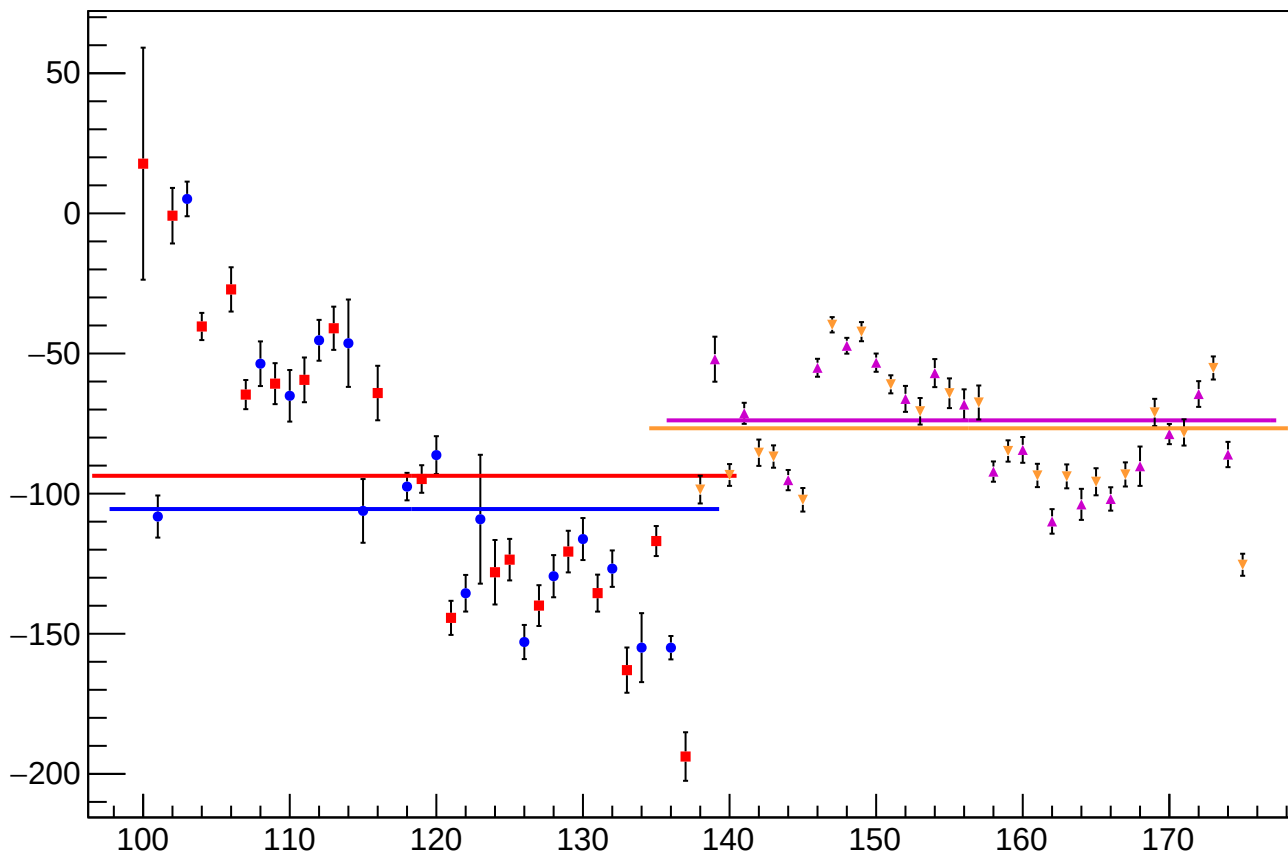
Out: 6.697 $\pm$ 0.683 χ^2 /NDF: 900.8/38

All: 6.583 $\pm$ 0.498 χ^2 /NDF: 1708.8/73

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -76.681 ± 0.919 χ^2/NDF : 651.2/19

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

Left In: -73.855 ± 0.971 χ^2/NDF : 412.9/17

Left: -75.346 ± 0.667 χ^2/NDF : 1068.6/37

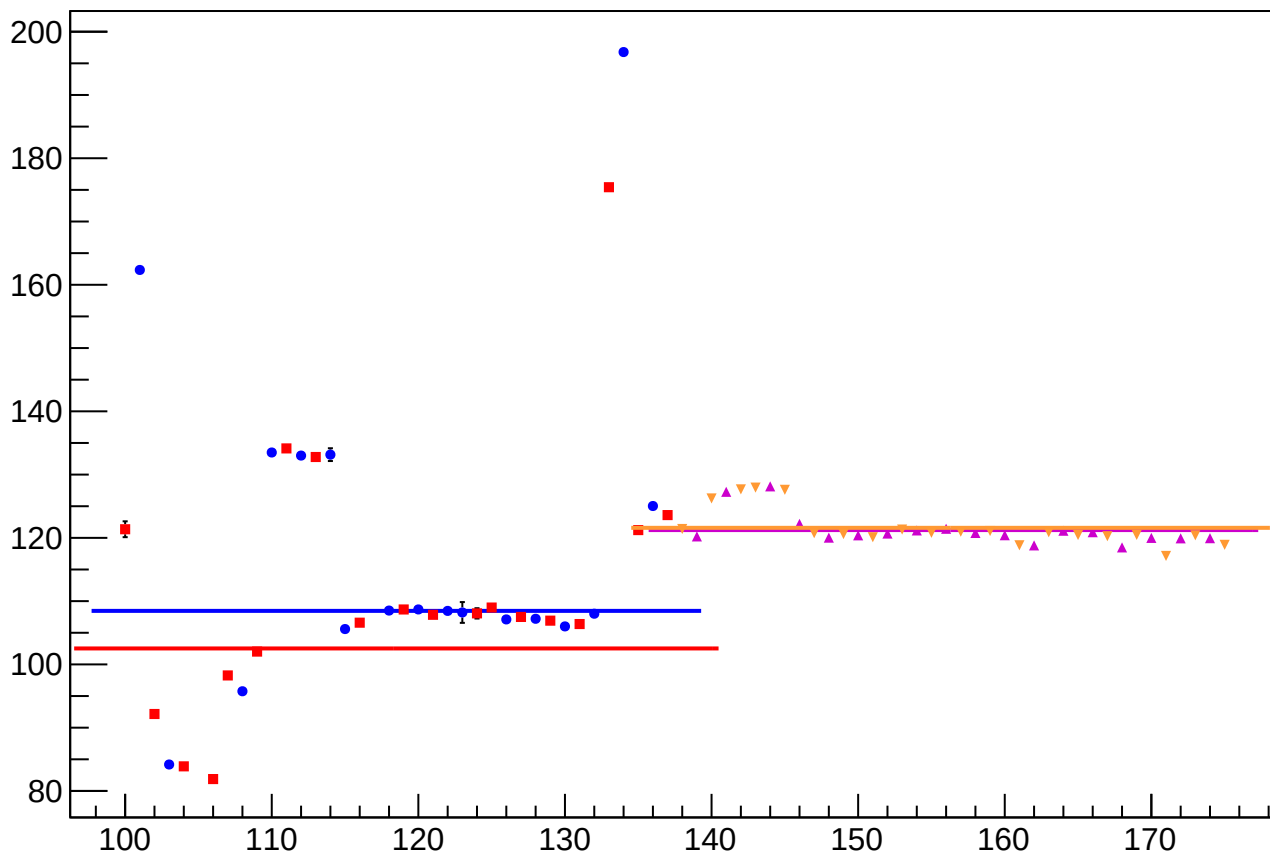
Right: -99.203 ± 1.173 χ^2/NDF : 1589.9/35

In: -81.555 ± 0.845 χ^2/NDF : 1408.7/34

Out: -80.845 ± 0.798 χ^2/NDF : 1562.0/38

All: -81.180 ± 0.580 χ^2/NDF : 2971.1/73

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 121.586 $\pm$ 0.044 χ^2 /NDF: 4351.9/19

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

Left In: 121.231 $\pm$ 0.045 χ^2 /NDF: 2796.1/17

Left: 121.414 $\pm$ 0.032 χ^2 /NDF: 7179.3/37

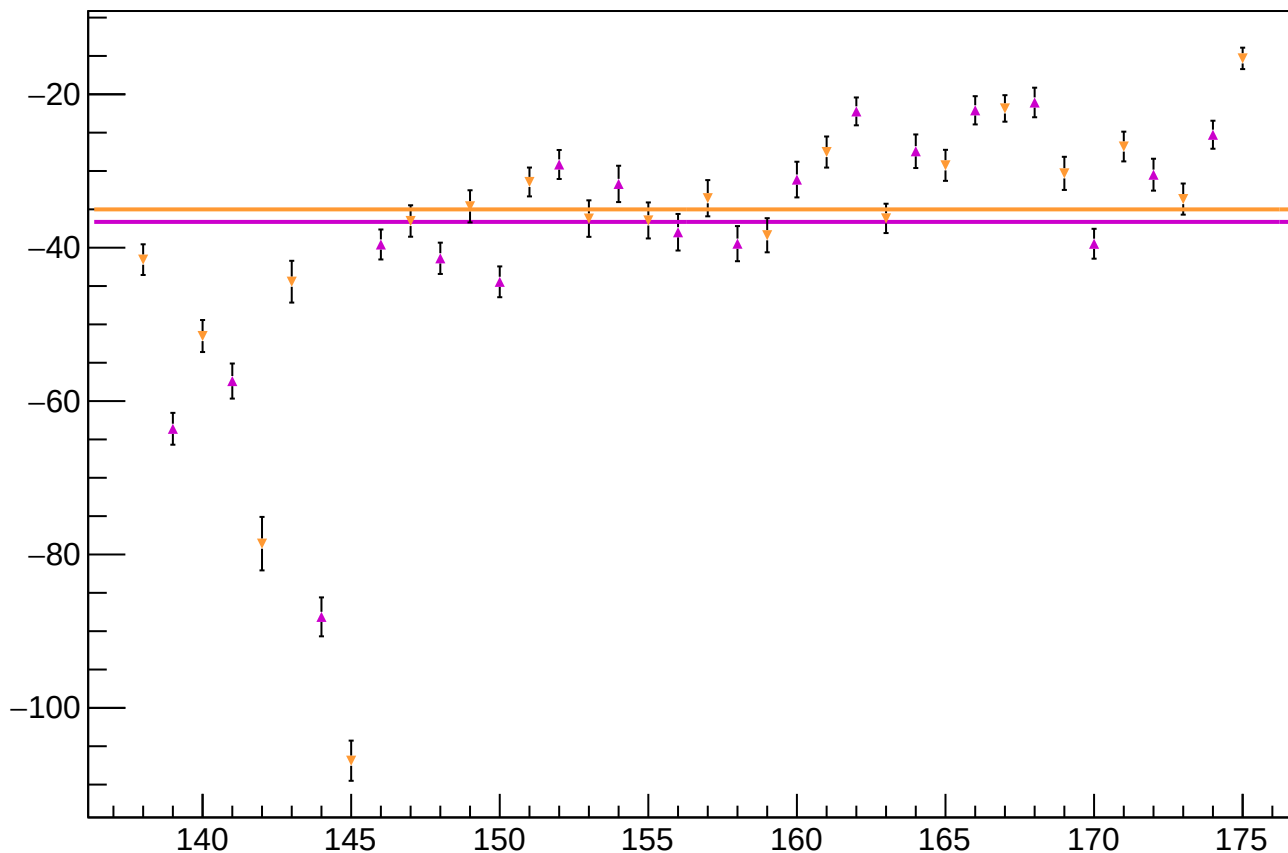
Right: 105.294 $\pm$ 0.058 χ^2 /NDF: 128896.1/35

In: 118.391 $\pm$ 0.040 χ^2 /NDF: 93652.5/34

Out: 117.080 $\pm$ 0.039 χ^2 /NDF: 101207.4/38

All: 117.712 $\pm$ 0.028 χ^2 /NDF: 195413.4/73

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -35.006 ± 0.463 $\chi^2/\text{NDF}: 1304.1/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -36.638 ± 0.487 $\chi^2/\text{NDF}: 971.0/17$

Left: -35.780 ± 0.336 $\chi^2/\text{NDF}: 2281.0/37$

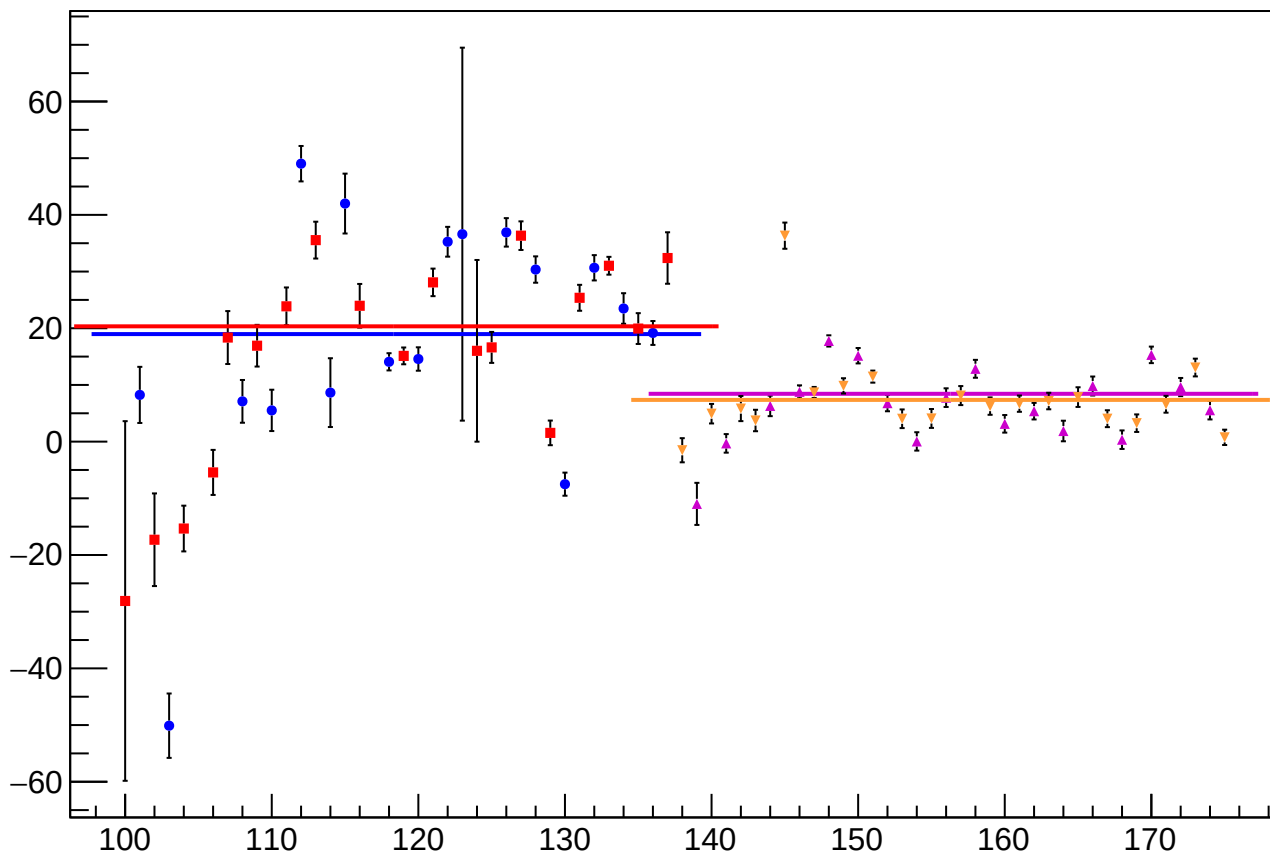
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -36.638 ± 0.487 $\chi^2/\text{NDF}: 971.0/17$

Out: -35.006 ± 0.463 $\chi^2/\text{NDF}: 1304.1/19$

All: -35.780 ± 0.336 $\chi^2/\text{NDF}: 2281.0/37$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 7.359 ± 0.337 χ^2/NDF : 259.2/19

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

Left In: 8.436 ± 0.356 χ^2/NDF : 286.5/17

Left: 7.868 ± 0.245 χ^2/NDF : 550.5/37

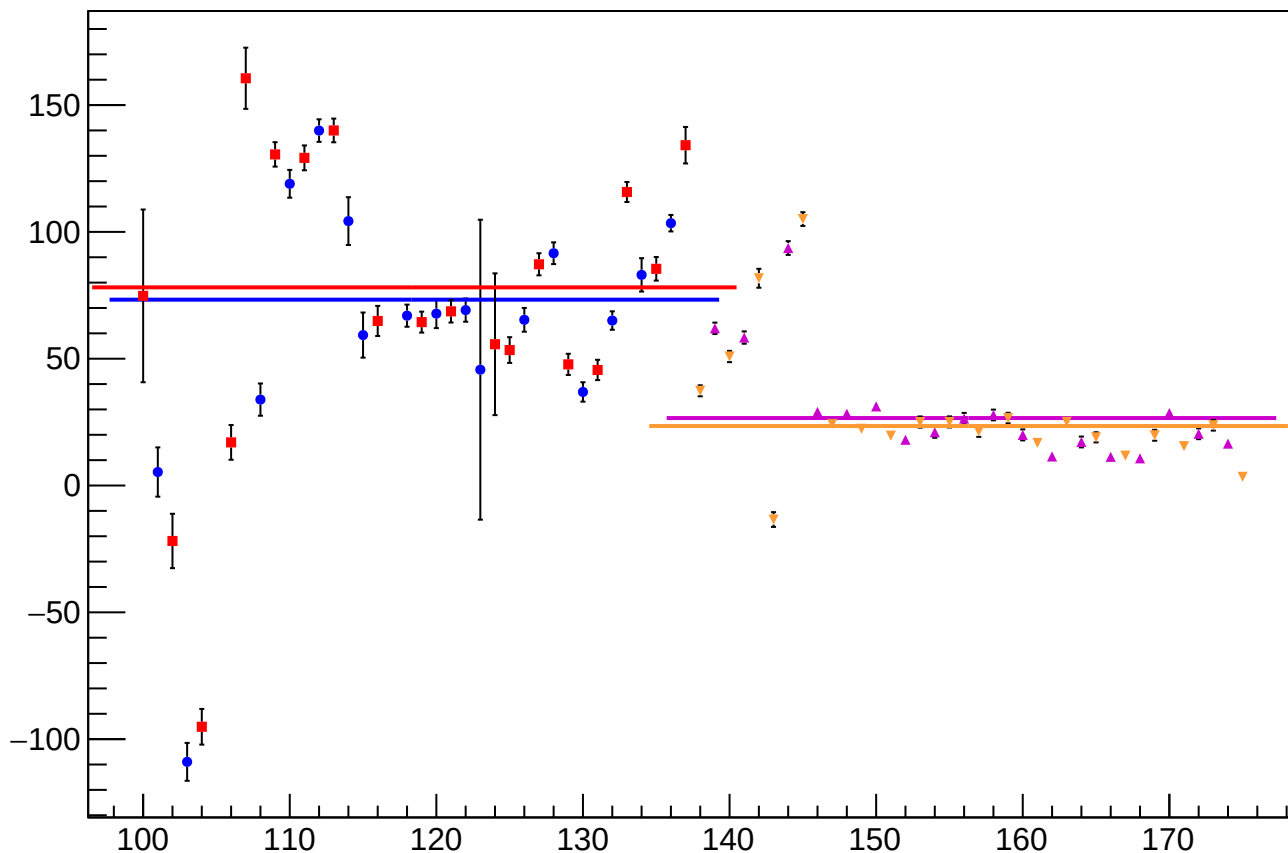
Right: 19.666 ± 0.458 χ^2/NDF : 987.0/35

In: 10.854 ± 0.313 χ^2/NDF : 1105.4/34

Out: 10.164 ± 0.299 χ^2/NDF : 945.8/38

All: 10.493 ± 0.216 χ^2/NDF : 2053.7/73

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: 23.453 $\pm$ 0.457 χ^2 /NDF:1804.7/19

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

Left In: 26.604 $\pm$ 0.480 χ^2 /NDF:1337.5/17

Left: 24.951 $\pm$ 0.331 χ^2 /NDF: 3164.8/37

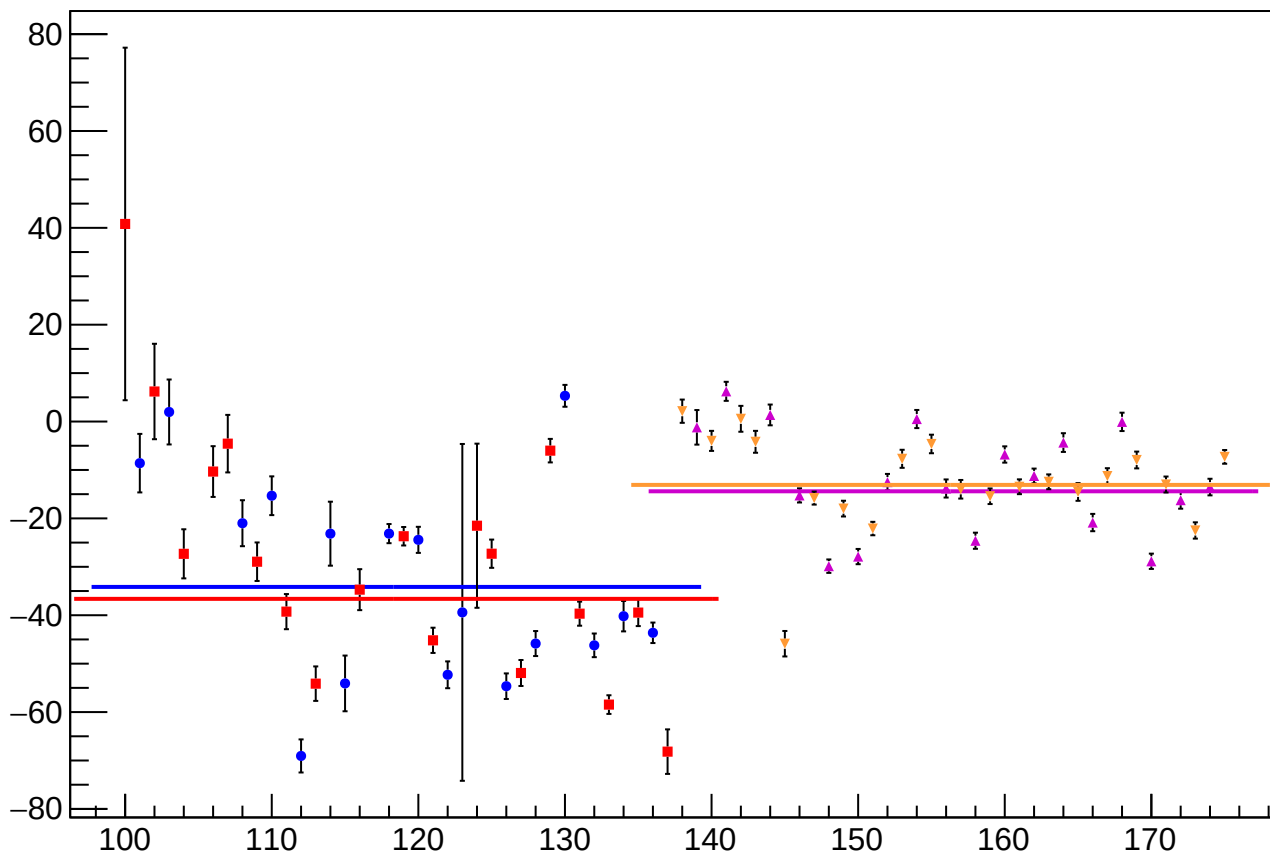
Right: 75.732 $\pm$ 0.869 χ^2 /NDF: 2749.7/35

In: 32.728 $\pm$ 0.448 χ^2 /NDF:3774.1/34

Out: 30.161 $\pm$ 0.428 χ^2 /NDF:5102.8/38

All: 31.387 $\pm$ 0.309 χ^2 /NDF: 8894.1/73

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: -13.084 ± 0.388 χ^2/NDF : 401.0/19

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

Left In: -14.407 ± 0.410 χ^2/NDF : 685.1/17

Left: -13.708 ± 0.282 χ^2/NDF : 1091.5/37

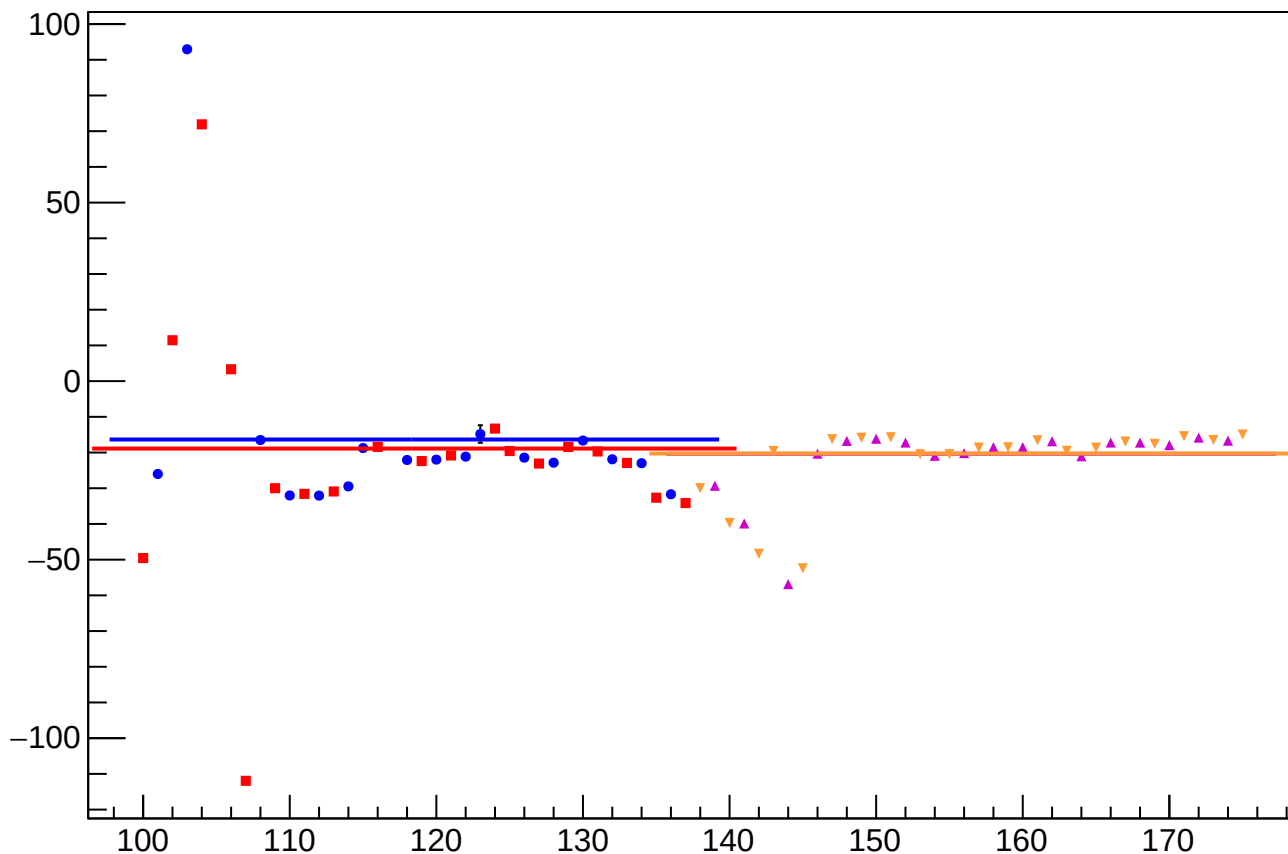
Right: -35.401 ± 0.523 χ^2/NDF : 1270.0/35

In: -19.007 ± 0.360 χ^2/NDF : 1941.6/34

Out: -18.205 ± 0.343 χ^2/NDF : 1748.4/38

All: -18.587 ± 0.248 χ^2/NDF : 3692.7/73

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349±/0.045 χ^2/NDF : 474192.3/16

Left Out: -20.282±/0.018 χ^2/NDF : 208054.8/19

Right Out: -18.886±/0.045 χ^2/NDF : 433793.7/18

Left In: -20.351±/0.019 χ^2/NDF : 167624.9/17

Left: -20.316±/0.013 χ^2/NDF : 375686.7/37

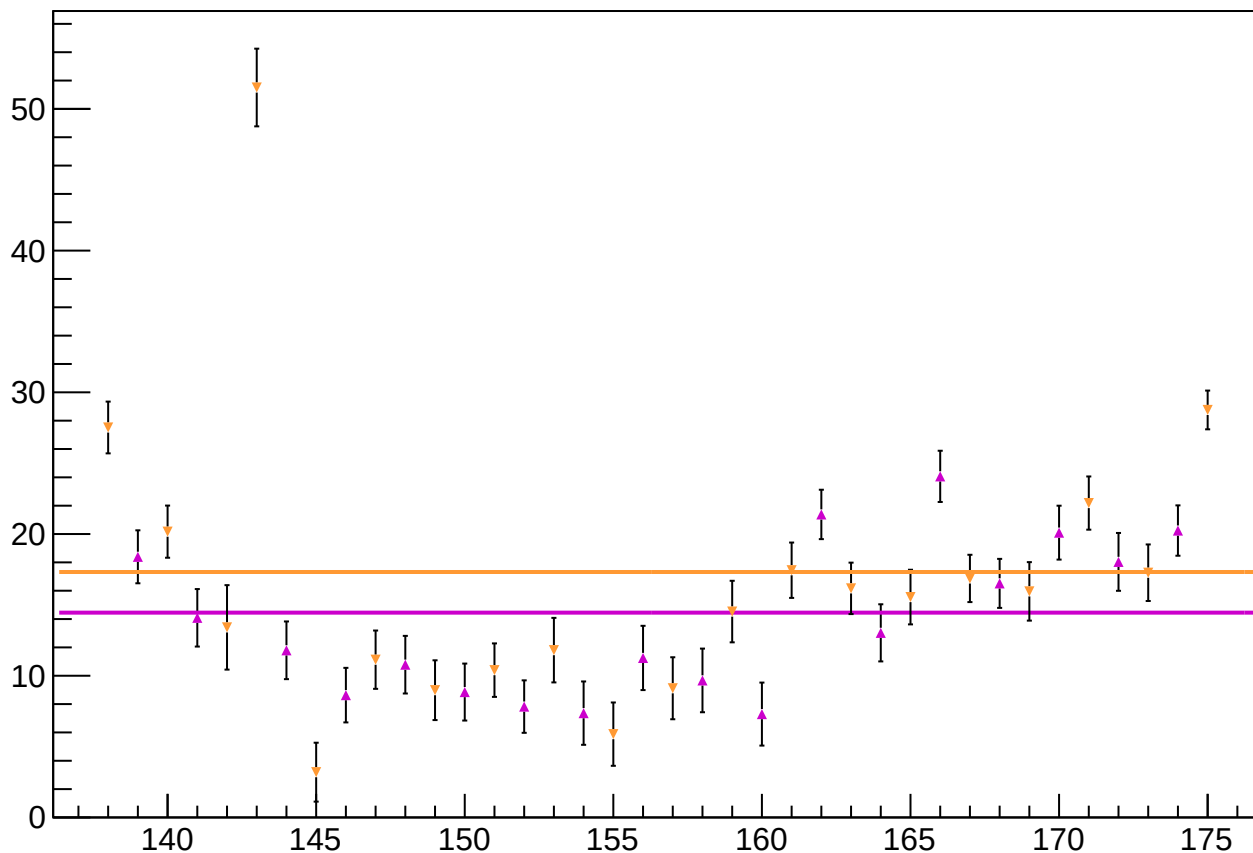
Right: -17.599±/0.032 χ^2/NDF : 909577.8/35

In: -19.758±/0.017 χ^2/NDF : 648663.8/34

Out: -20.090±/0.017 χ^2/NDF : 642667.5/38

All: -19.928±/0.012 χ^2/NDF : 1291522.2/73

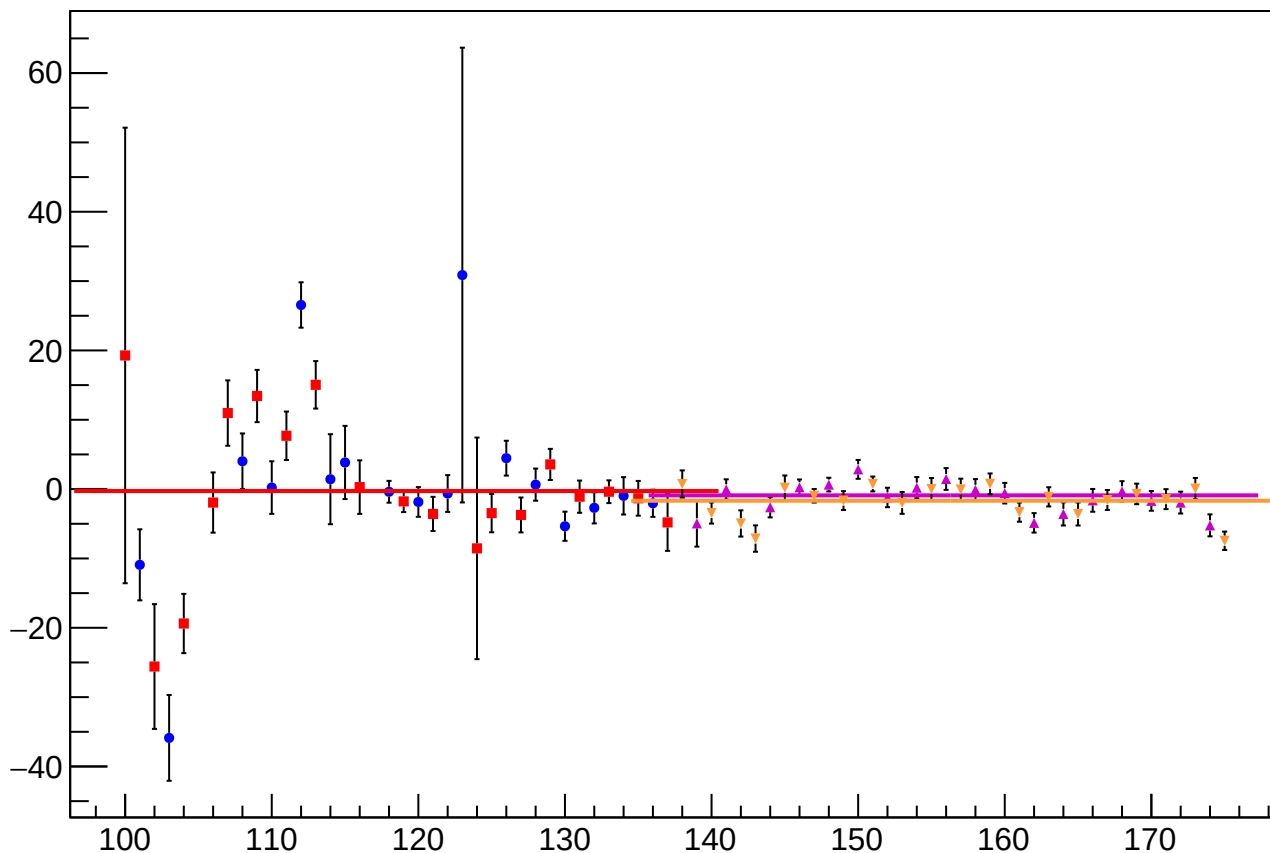
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 17.321 $\pm$ 0.442 χ^2/NDF :401.4/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 14.453 $\pm$ 0.463 χ^2/NDF :134.7/17

Left: 15.954 $\pm$ 0.320 χ^2/NDF : 556.2/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 14.453 $\pm$ 0.463 χ^2/NDF :134.7/17
 Out: 17.321 $\pm$ 0.442 χ^2/NDF :401.4/19
 All: 15.954 $\pm$ 0.320 χ^2/NDF : 556.2/37

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: -1.677 ± 0.324 χ^2/NDF : 49.4/19

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

Left In: -0.902 ± 0.341 χ^2/NDF : 36.6/17

Left: -1.309 ± 0.235 χ^2/NDF : 88.6/37

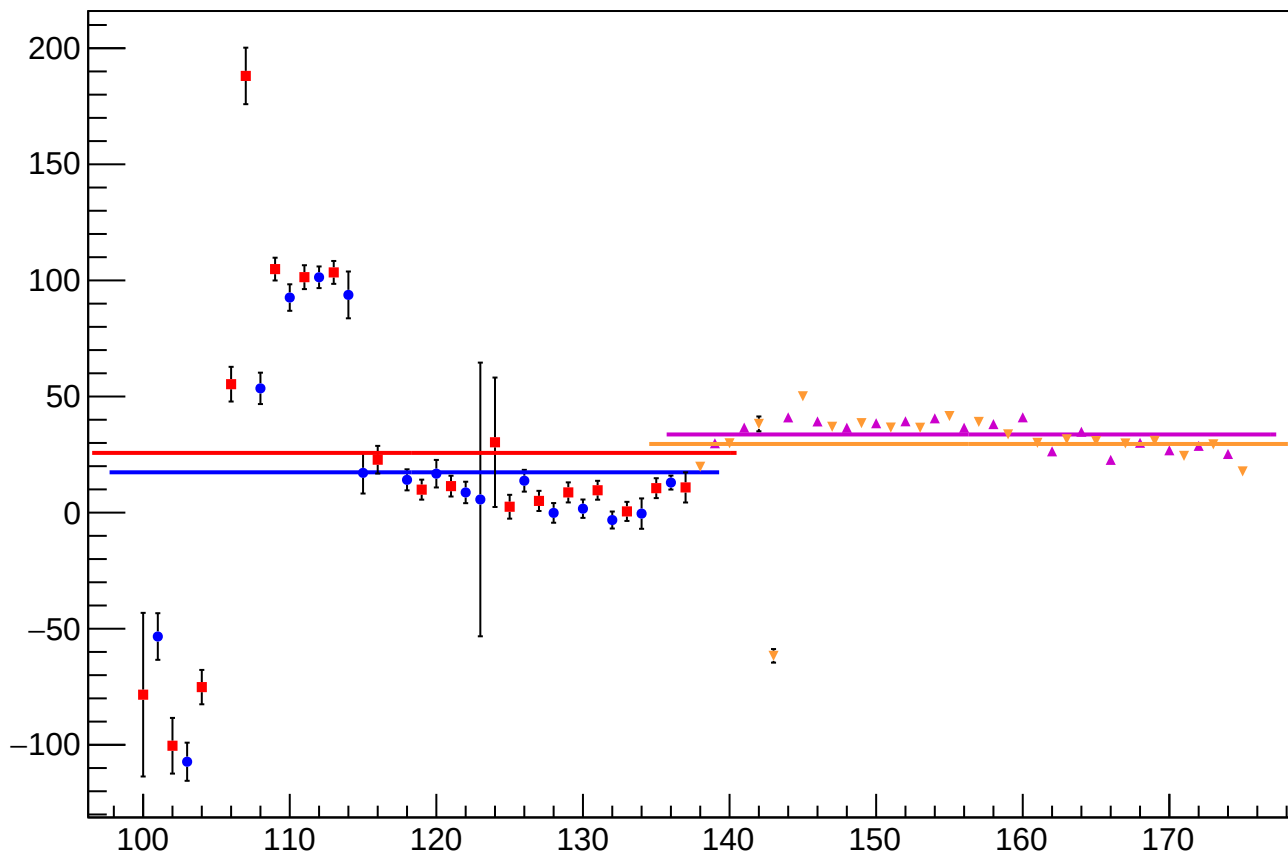
Right: -0.275 ± 0.466 χ^2/NDF : 202.7/35

In: -0.772 ± 0.303 χ^2/NDF : 156.8/34

Out: -1.401 ± 0.291 χ^2/NDF : 136.3/38

All: -1.099 ± 0.210 χ^2/NDF : 295.3/73

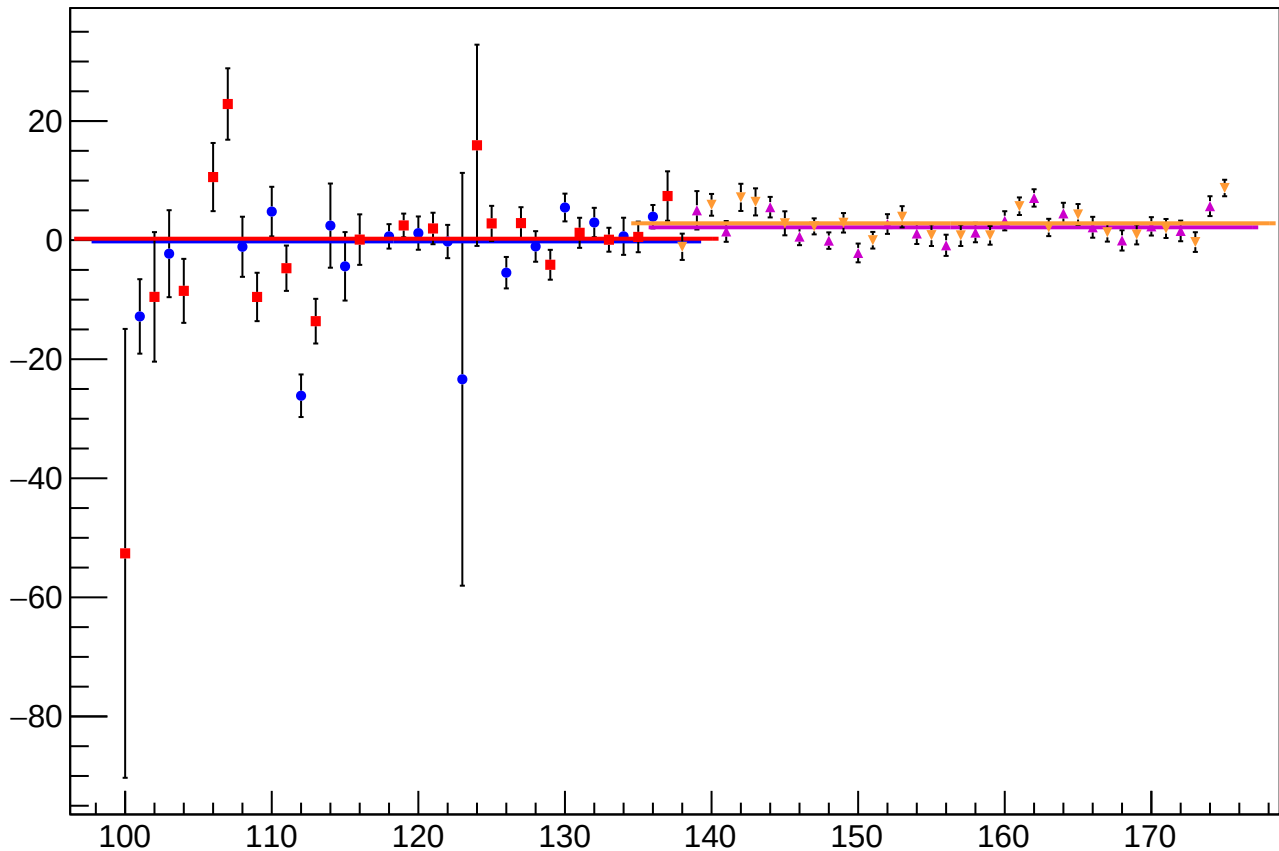
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16
 Left Out: 29.565+/-0.437 χ^2/NDF :1299.0/19
 Right Out: 25.717+/-1.243 χ^2/NDF : 1378.8/18
 Left In: 33.659+/-0.458 χ^2/NDF :171.8/17

Left: 31.518+/-0.316 χ^2/NDF : 1512.6/37
 Right: 21.552+/-0.880 χ^2/NDF : 2344.4/35
 In: 31.724+/-0.430 χ^2/NDF :1265.4/34
 Out: 29.141+/-0.412 χ^2/NDF :2686.3/38
 All: 30.380+/-0.297 χ^2/NDF : 3970.5/73

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: 2.828 ± 0.372 χ^2/NDF : 50.2/19

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 2.154 ± 0.392 χ^2/NDF : 39.6/17

Left: 2.509 ± 0.270 χ^2/NDF : 91.4/37

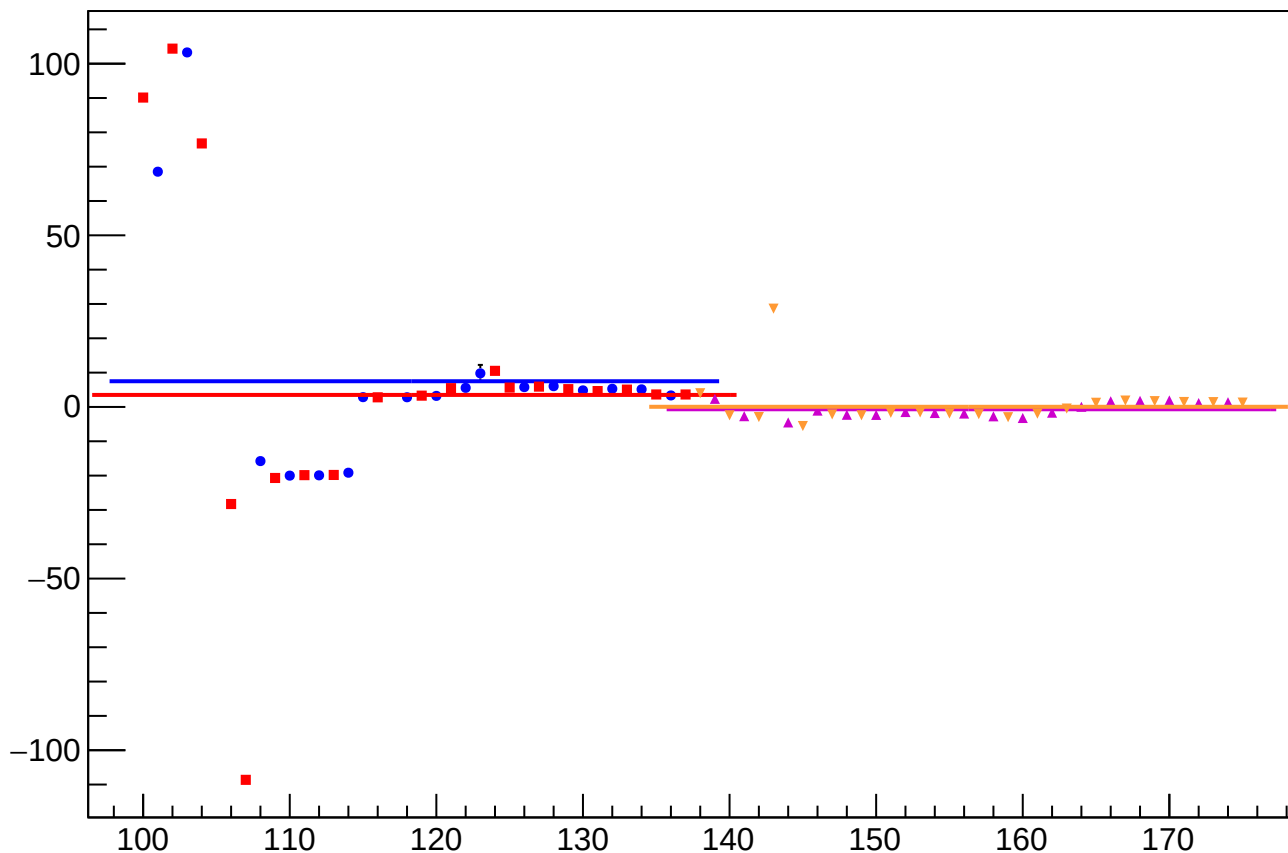
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.648 ± 0.348 χ^2/NDF : 123.3/34

Out: 2.315 ± 0.333 χ^2/NDF : 114.3/38

All: 1.995 ± 0.241 χ^2/NDF : 239.5/73

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: 0.048 ± 0.017 $\chi^2/\text{NDF}: 77220.0/19$

Right Out: 3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.4/18$

Left In: -0.675 ± 0.018 $\chi^2/\text{NDF}: 12733.9/17$

Left: -0.304 ± 0.012 $\chi^2/\text{NDF}: 90808.7/37$

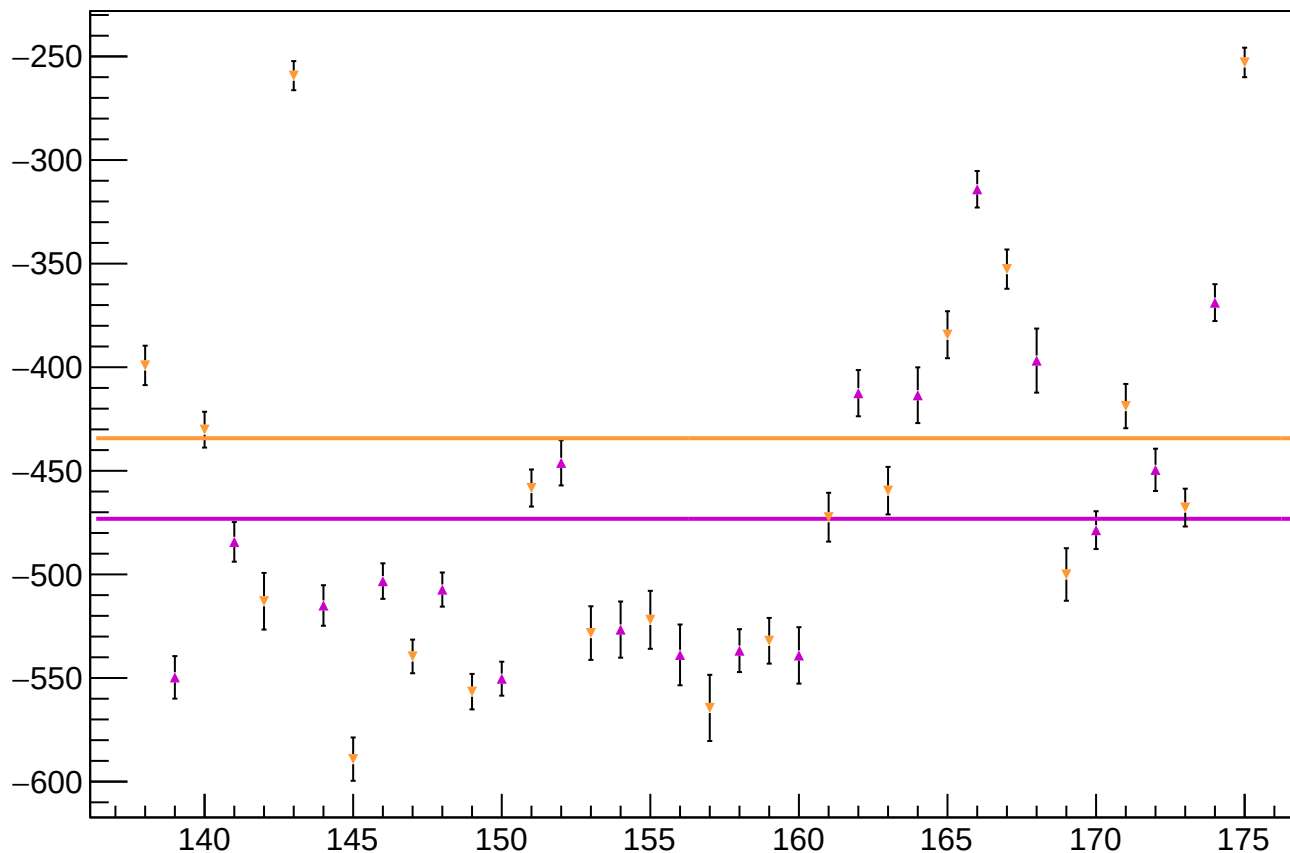
Right: 5.541 ± 0.032 $\chi^2/\text{NDF}: 870462.8/35$

In: 0.437 ± 0.016 $\chi^2/\text{NDF}: 397635.6/34$

Out: 0.480 ± 0.016 $\chi^2/\text{NDF}: 592818.8/38$

All: 0.459 ± 0.012 $\chi^2/\text{NDF}: 990457.9/73$

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: -434.274+/-2.213 χ^2/NDF :2304.2/19

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

Left In: -473.160+/-2.410 χ^2/NDF :839.4/17

Left: -452.066+/-1.630 χ^2/NDF : 3284.8/37

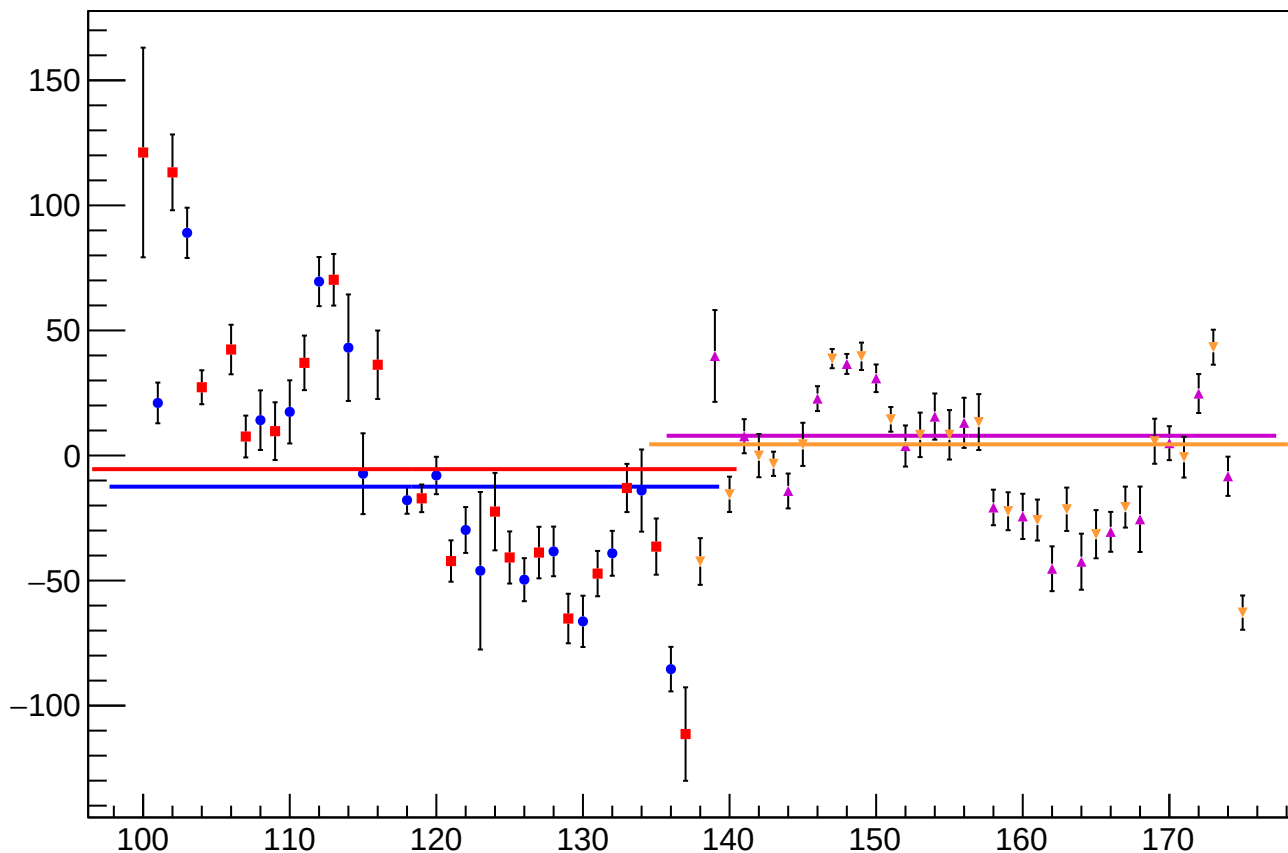
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -473.160+/-2.410 χ^2/NDF :839.4/17

Out: -434.274+/-2.213 χ^2/NDF :2304.2/19

All: -452.066+/-1.630 χ^2/NDF : 3284.8/37

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 $\pm$ 2.349 χ^2 /NDF: 341.1/16

Left Out: 4.472 $\pm$ 1.553 χ^2 /NDF:348.0/19

Right Out: -5.453 $\pm$ 2.259 χ^2 /NDF: 345.0/18

Left In: 7.893 $\pm$ 1.700 χ^2 /NDF:215.5/17

Left: 6.029 $\pm$ 1.147 χ^2 /NDF: 565.7/37

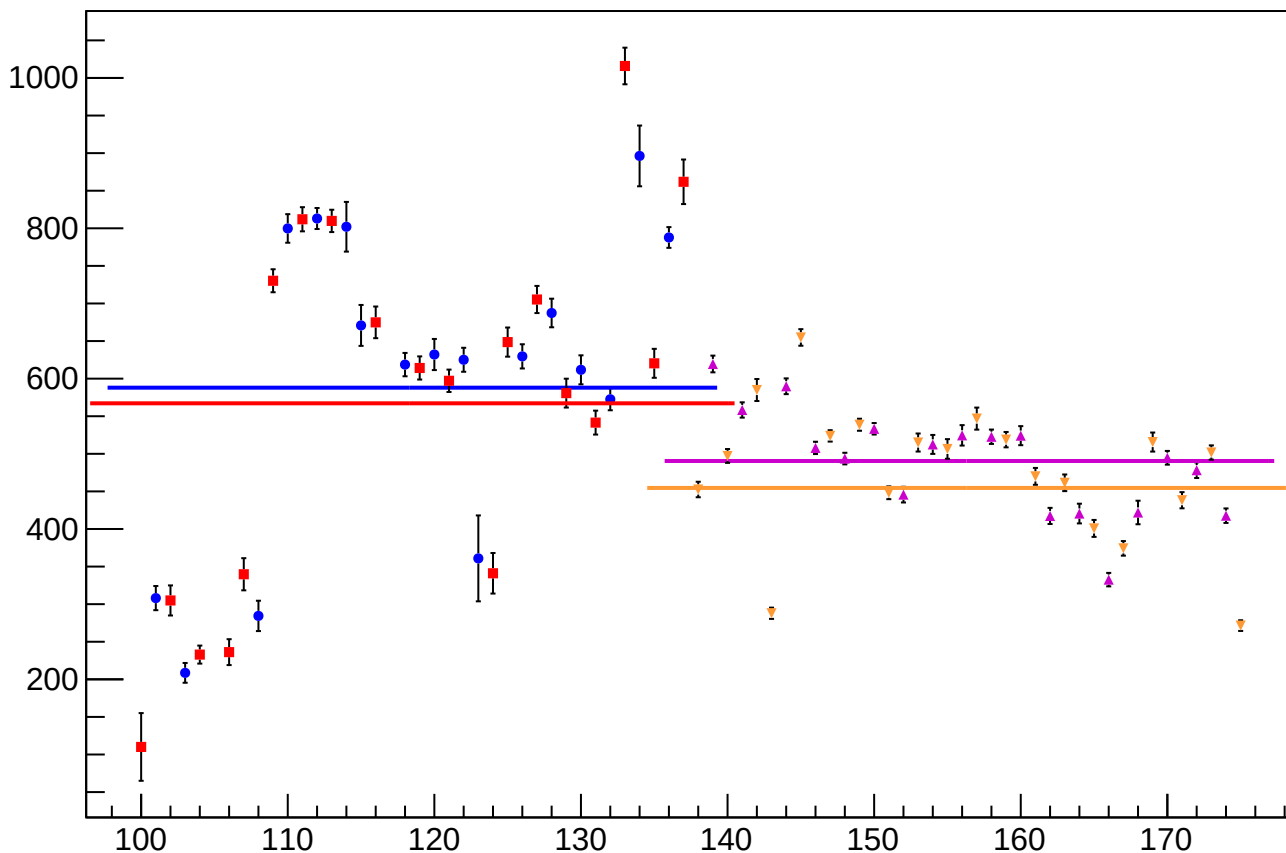
Right: -8.819 $\pm$ 1.628 χ^2 /NDF: 690.7/35

In: 0.897 $\pm$ 1.377 χ^2 /NDF:605.9/34

Out: 1.286 $\pm$ 1.280 χ^2 /NDF:706.1/38

All: 1.105 $\pm$ 0.937 χ^2 /NDF: 1312.0/73

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: 454.614 $\pm$ 2.203 χ^2/NDF : 2047.1/19

Right Out: 567.179 $\pm$ 4.136 χ^2/NDF : 2783.2/18

Left In: 490.467 $\pm$ 2.380 χ^2/NDF : 813.3/17

Left: 471.160 $\pm$ 1.617 χ^2/NDF : 2982.6/37

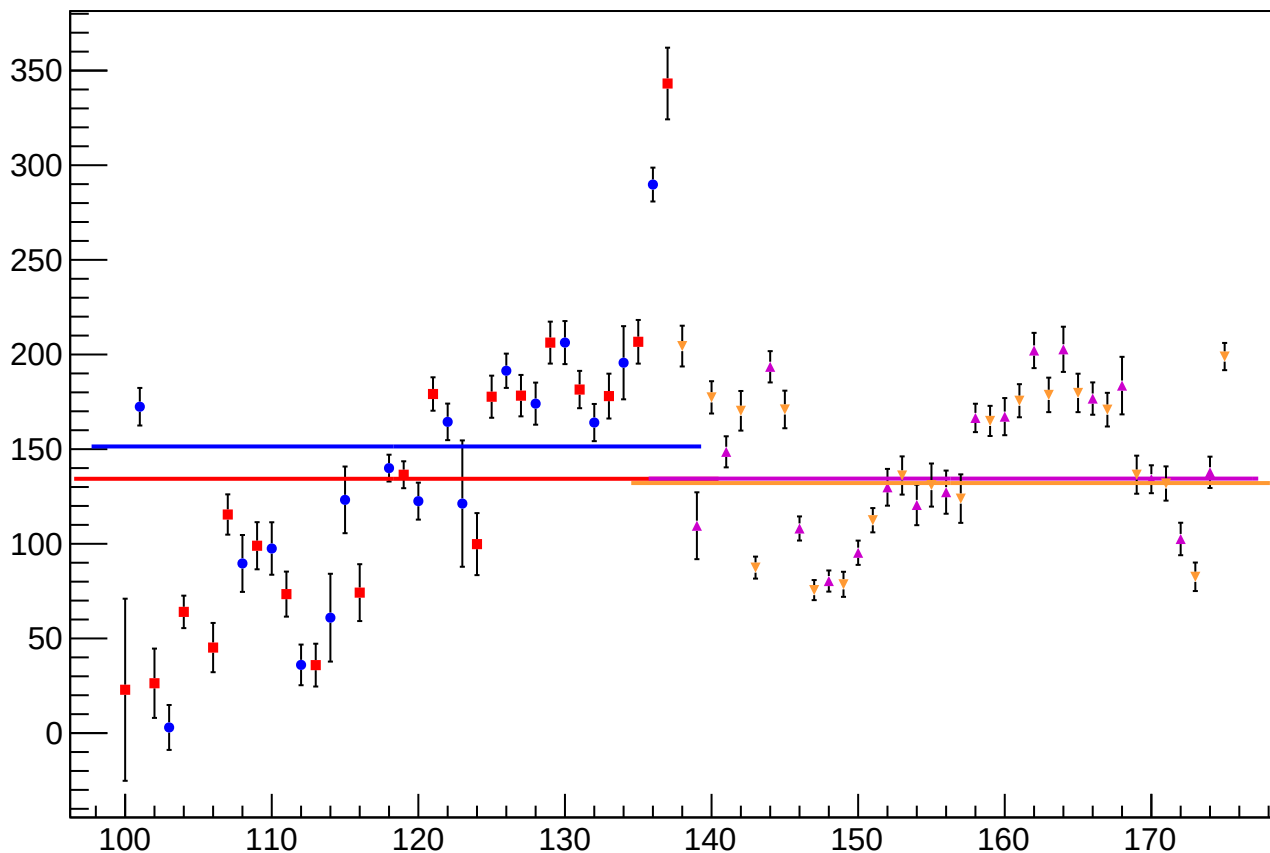
Right: 577.056 $\pm$ 2.998 χ^2/NDF : 4924.8/35

In: 512.915 $\pm$ 2.088 χ^2/NDF : 3329.4/34

Out: 479.496 $\pm$ 1.945 χ^2/NDF : 5407.3/38

All: 495.016 $\pm$ 1.423 χ^2/NDF : 8873.9/73

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: 132.088 $\pm$ 1.826 χ^2 /NDF: 588.6/19

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

Left In: 134.449 $\pm$ 1.992 χ^2 /NDF: 370.6/17

Left: 133.166 $\pm$ 1.346 χ^2 /NDF: 959.9/37

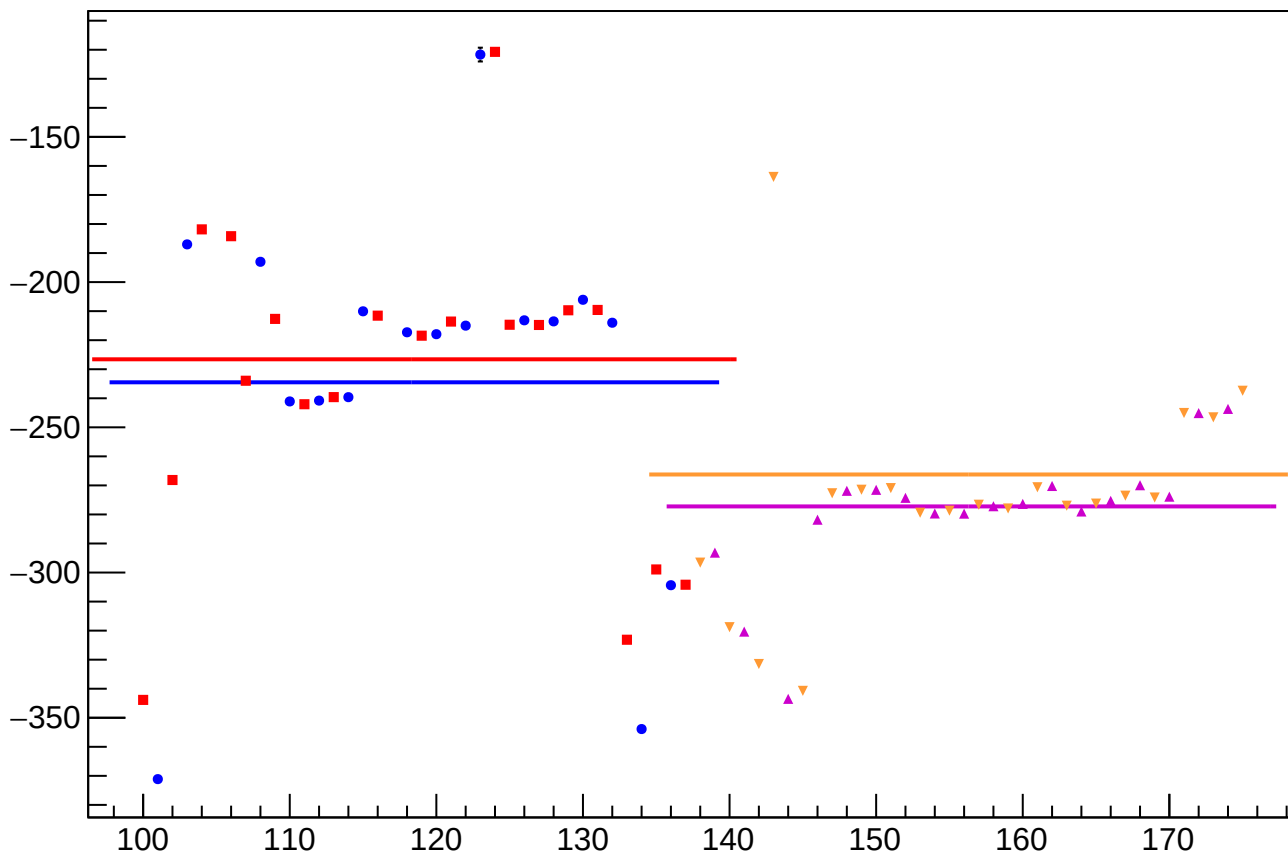
Right: 142.583 $\pm$ 1.882 χ^2 /NDF: 1238.7/35

In: 140.403 $\pm$ 1.605 χ^2 /NDF: 1029.4/34

Out: 132.828 $\pm$ 1.497 χ^2 /NDF: 1174.0/38

All: 136.354 $\pm$ 1.095 χ^2 /NDF: 2215.2/73

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -266.237 ± 0.089 $\chi^2/\text{NDF}: 199259.9/19$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

Left In: -277.233 ± 0.094 $\chi^2/\text{NDF}: 51687.8/17$

Left: -271.446 ± 0.064 $\chi^2/\text{NDF}: 258200.5/37$

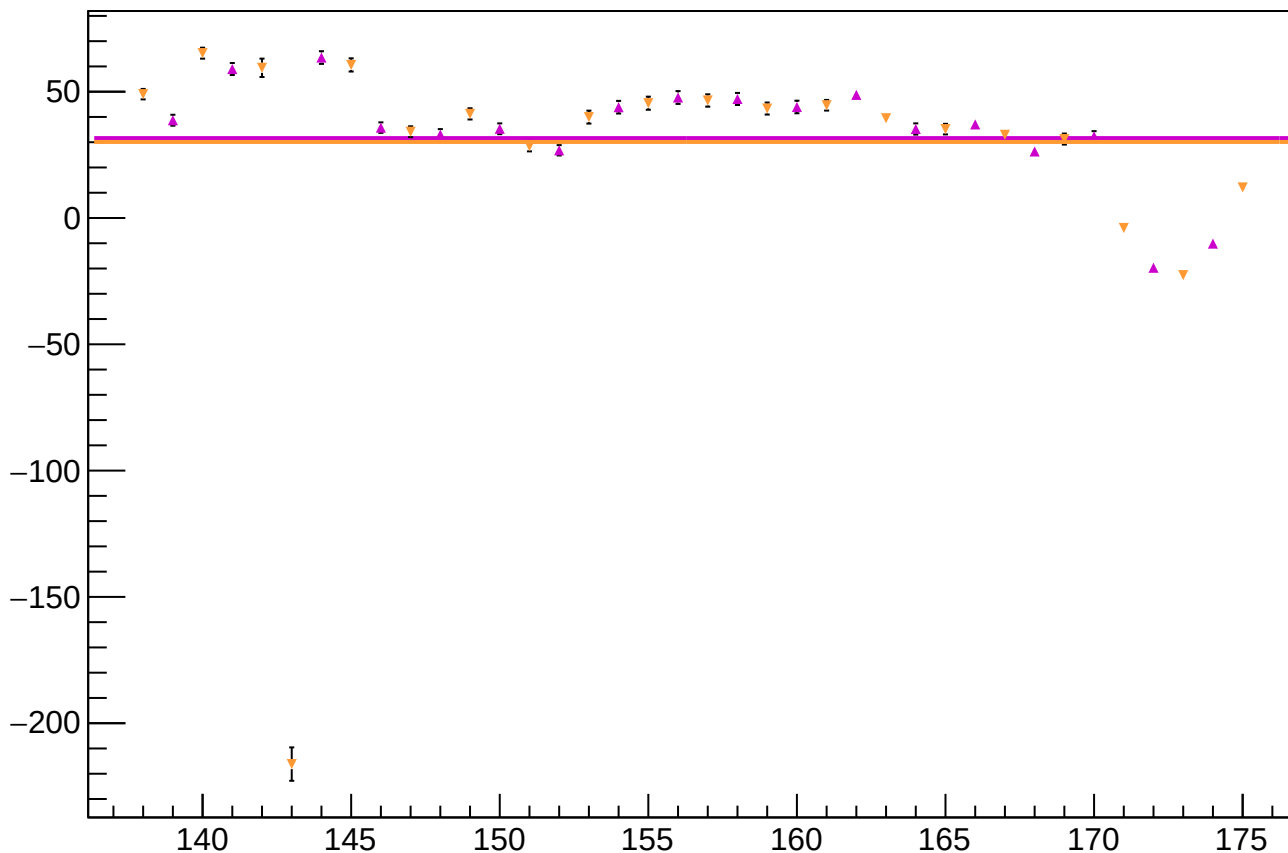
Right: -230.333 ± 0.103 $\chi^2/\text{NDF}: 245501.4/35$

In: -265.133 ± 0.079 $\chi^2/\text{NDF}: 255671.7/34$

Out: -255.008 ± 0.075 $\chi^2/\text{NDF}: 354604.0/38$

All: -259.805 ± 0.055 $\chi^2/\text{NDF}: 618854.5/73$

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: 30.108+/-0.485 χ^2/NDF :3389.7/19

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

Left In: 31.629+/-0.502 χ^2/NDF :1795.3/17

Left: 30.841+/-0.349 χ^2/NDF : 5189.7/37

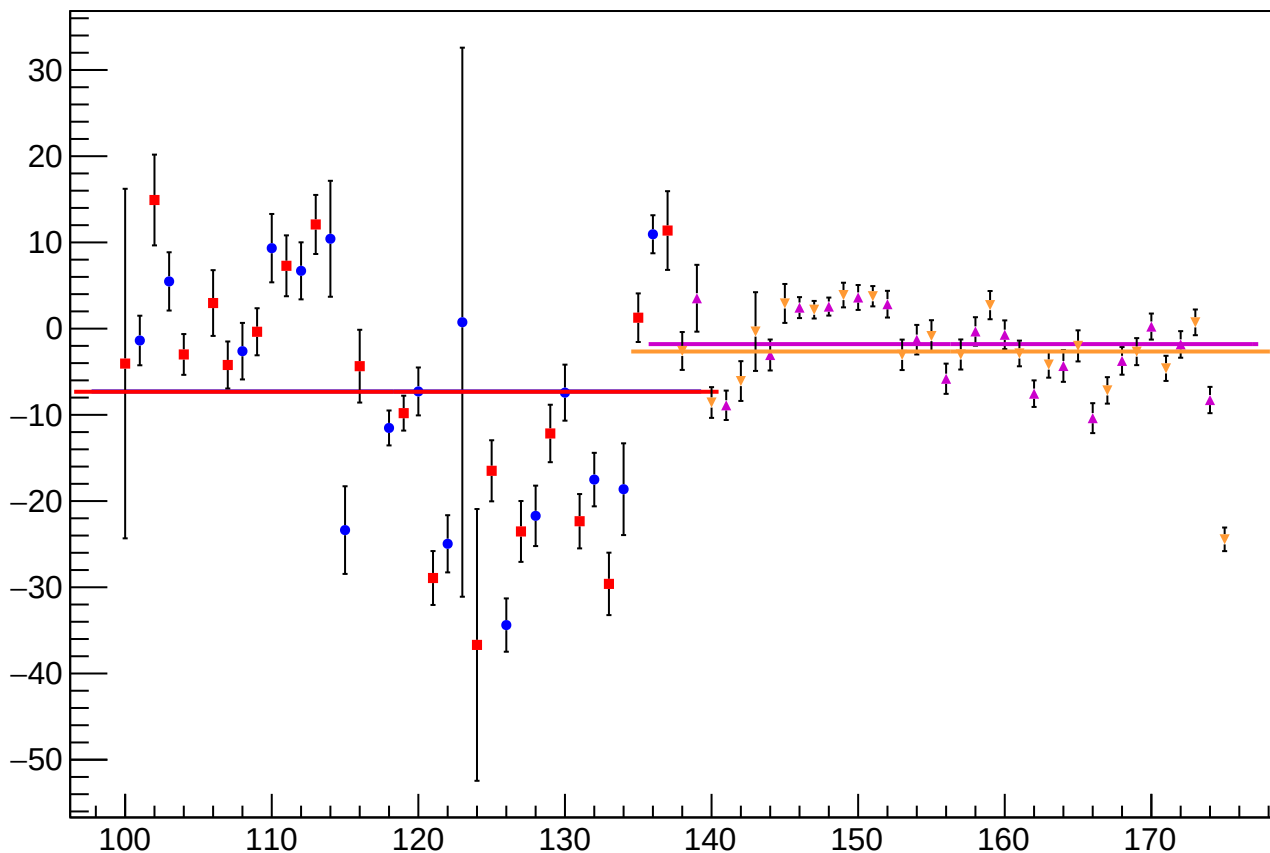
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 31.629+/-0.502 χ^2/NDF :1795.3/17

Out: 30.108+/-0.485 χ^2/NDF :3389.7/19

All: 30.841+/-0.349 χ^2/NDF : 5189.7/37

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: -2.652 ± 0.355 χ^2/NDF : 374.6/19

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: -1.795 ± 0.369 χ^2/NDF : 140.3/17

Left: -2.240 ± 0.256 χ^2/NDF : 517.7/37

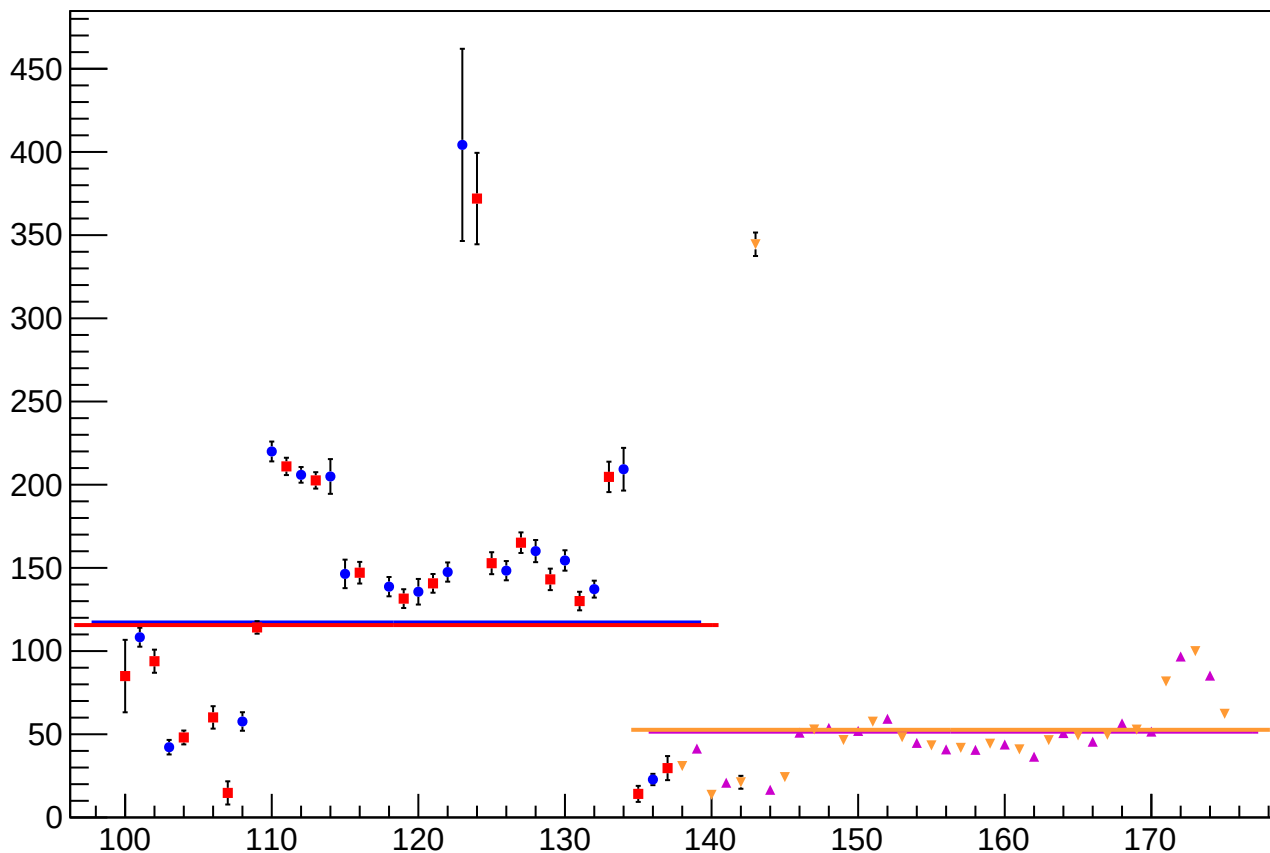
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -2.783 ± 0.335 χ^2/NDF : 463.3/34

Out: -3.489 ± 0.322 χ^2/NDF : 660.8/38

All: -3.149 ± 0.232 χ^2/NDF : 1126.4/73

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: 52.679 $\pm$ 0.479 χ^2 /NDF:3209.5/19

Right Out: 115.632 $\pm$ 1.361 χ^2 /NDF: 2137.6/18

Left In: 51.559 $\pm$ 0.497 χ^2 /NDF:1314.9/17

Left: 52.139 $\pm$ 0.345 χ^2 /NDF: 4527.1/37

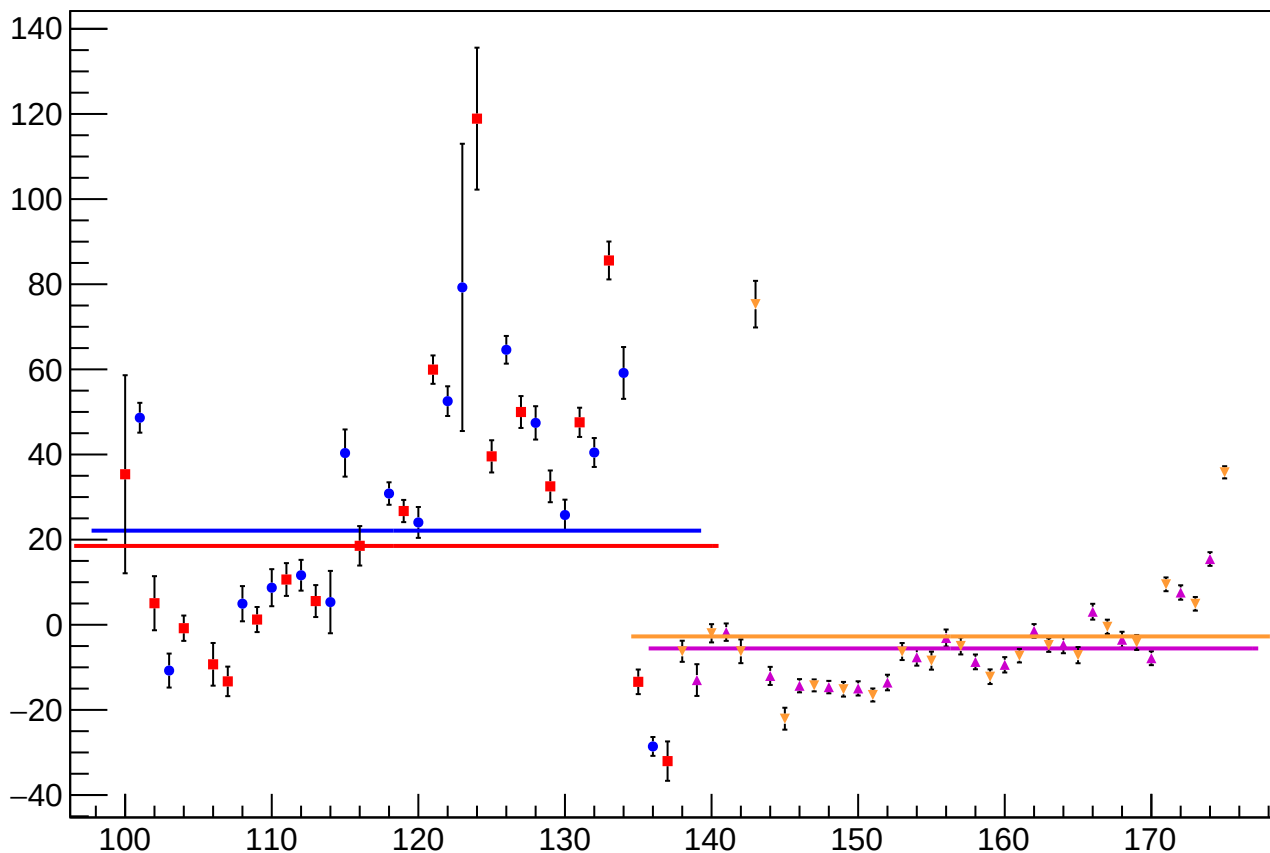
Right: 116.378 $\pm$ 0.981 χ^2 /NDF: 4299.2/35

In: 58.743 $\pm$ 0.469 χ^2 /NDF:5387.9/34

Out: 59.608 $\pm$ 0.452 χ^2 /NDF:7251.1/38

All: 59.192 $\pm$ 0.325 χ^2 /NDF: 12640.7/73

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -2.738 $\pm$ 0.407 χ^2 /NDF:1325.3/19

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

Left In: -5.562 $\pm$ 0.425 χ^2 /NDF:410.6/17

Left: -4.092 $\pm$ 0.294 χ^2 /NDF: 1758.9/37

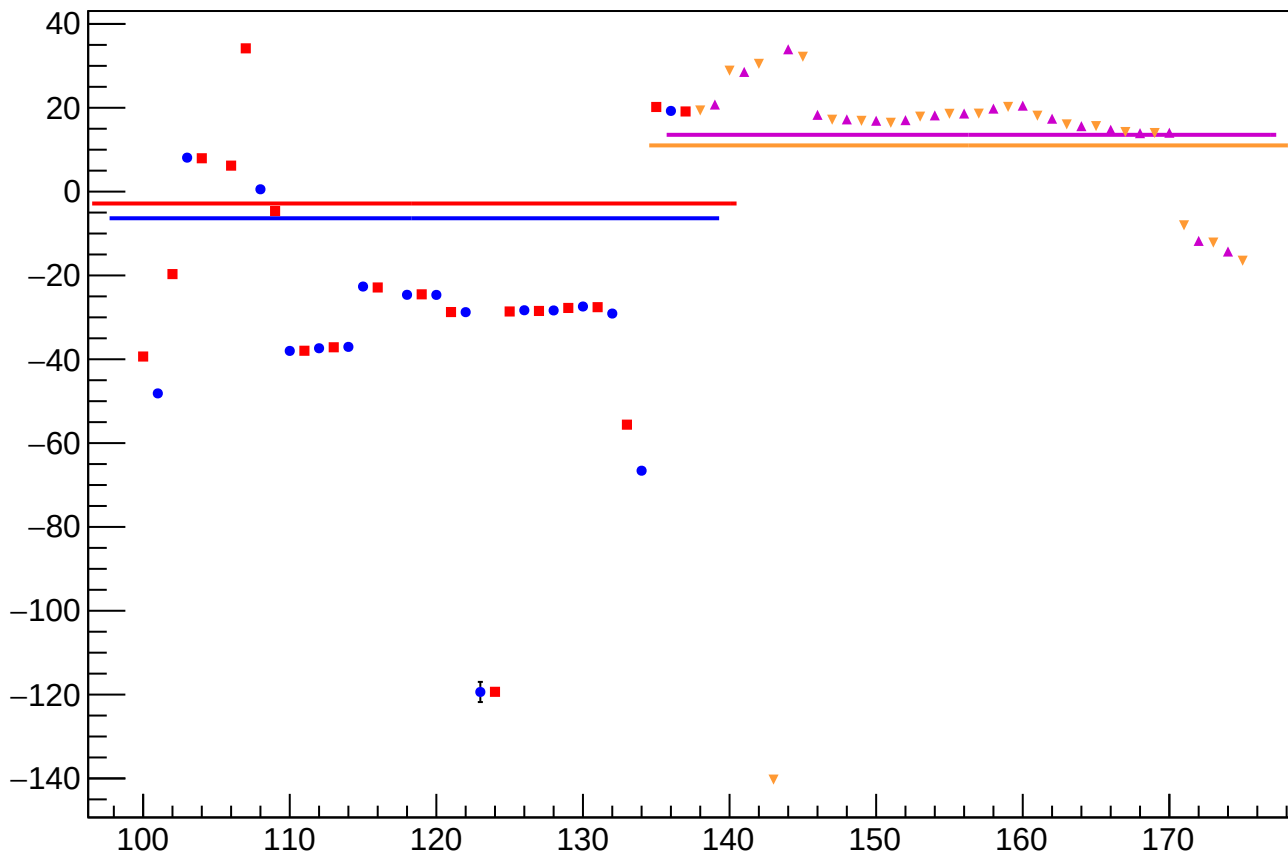
Right: 20.261 $\pm$ 0.625 χ^2 /NDF: 2147.1/35

In: -0.507 $\pm$ 0.384 χ^2 /NDF:2256.7/34

Out: 1.077 $\pm$ 0.369 χ^2 /NDF:2882.5/38

All: 0.316 $\pm$ 0.266 χ^2 /NDF: 5148.0/73

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 $\pm$ 0.046 χ^2/NDF : 264750.9/16

Left Out: 11.022 $\pm$ 0.019 χ^2/NDF : 790946.6/19

Right Out: -2.837 $\pm$ 0.046 χ^2/NDF : 265573.0/18

Left In: 13.548 $\pm$ 0.019 χ^2/NDF : 382594.4/17

Left: 12.265 $\pm$ 0.013 χ^2/NDF : 1182324.0/37

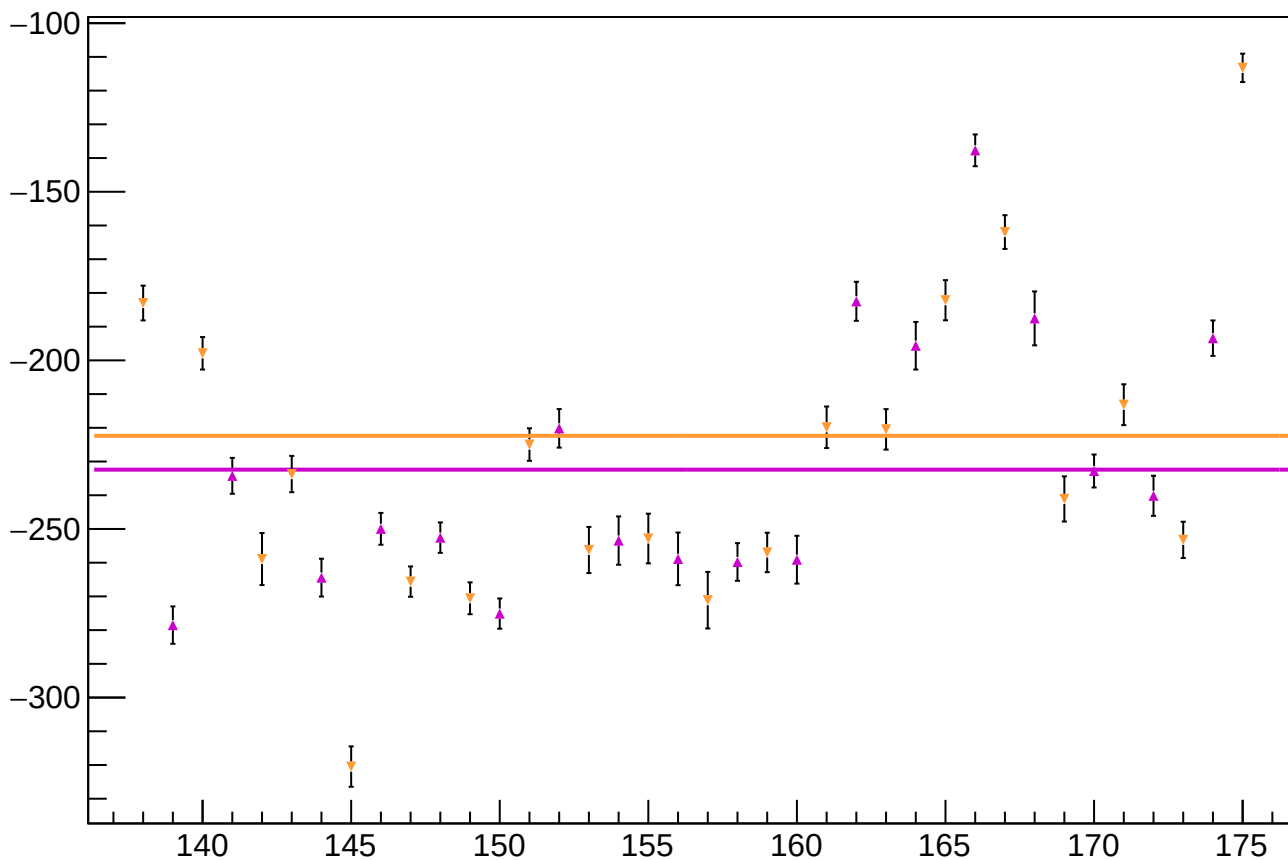
Right: -4.577 $\pm$ 0.033 χ^2/NDF : 533252.4/35

In: 10.625 $\pm$ 0.018 χ^2/NDF : 804993.7/34

Out: 8.999 $\pm$ 0.017 χ^2/NDF : 1134903.0/38

All: 9.800 $\pm$ 0.012 χ^2/NDF : 1944161.7/73

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: -222.367 ± 1.247 χ^2/NDF : 1594.2/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -232.406 ± 1.314 χ^2/NDF : 882.6/17

Left: -227.121 ± 0.905 χ^2/NDF : 2507.5/37

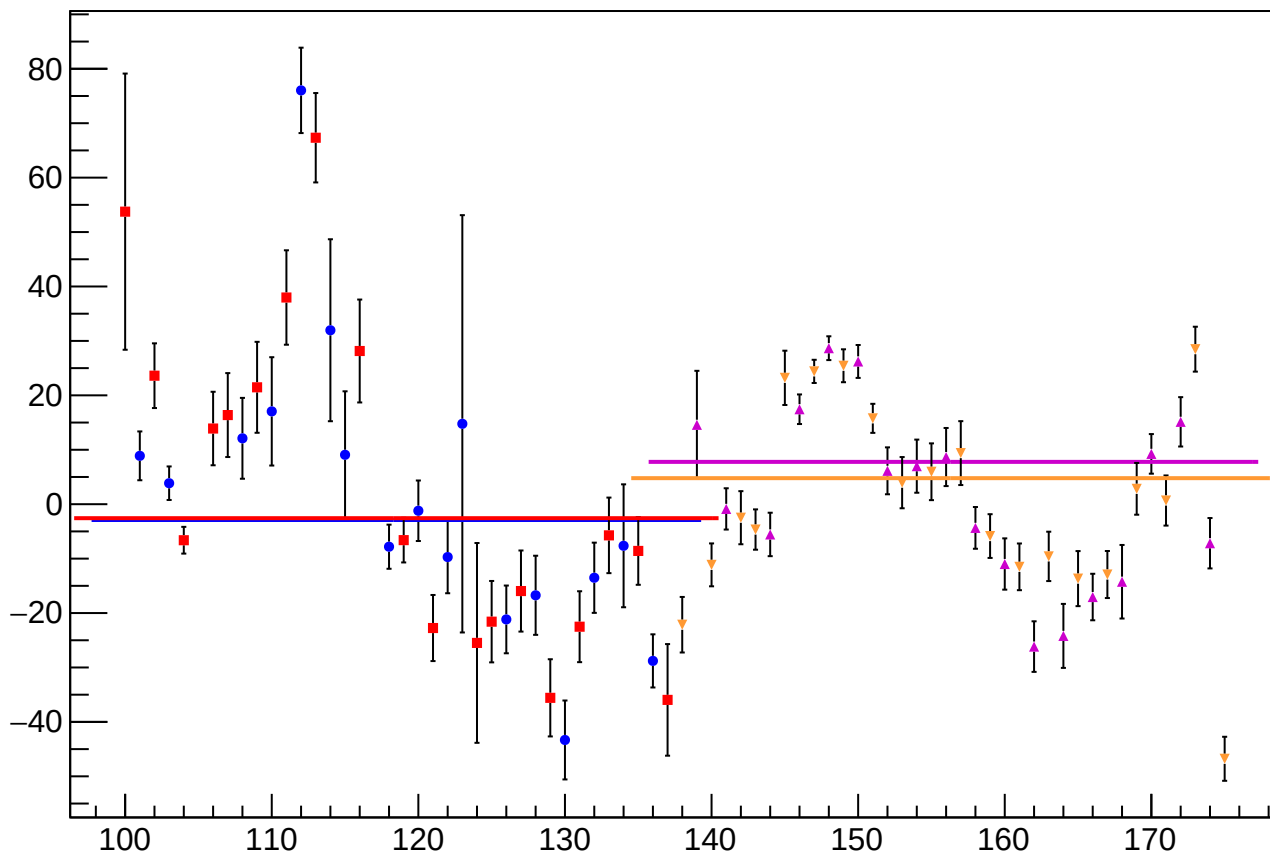
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -232.406 ± 1.314 χ^2/NDF : 882.6/17

Out: -222.367 ± 1.247 χ^2/NDF : 1594.2/19

All: -227.121 ± 0.905 χ^2/NDF : 2507.5/37

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 4.783 ± 0.874 χ^2/NDF : 473.7/19

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

Left In: 7.776 ± 0.927 χ^2/NDF : 324.6/17

Left: 6.192 ± 0.636 χ^2/NDF : 803.9/37

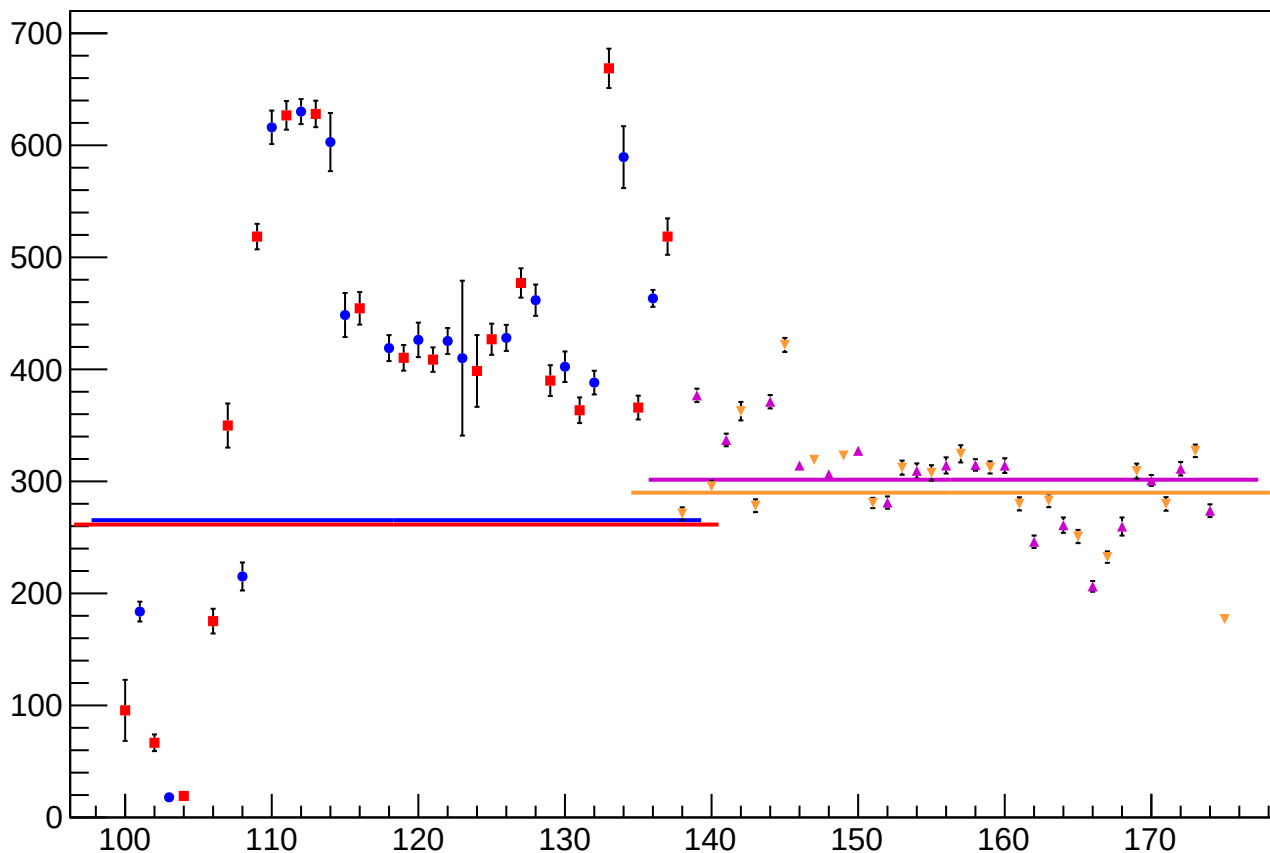
Right: -2.728 ± 1.011 χ^2/NDF : 421.8/35

In: 4.728 ± 0.784 χ^2/NDF : 566.1/34

Out: 2.712 ± 0.741 χ^2/NDF : 711.8/38

All: 3.664 ± 0.538 χ^2/NDF : 1281.4/73

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369+/-2.488 χ^2/NDF : 7633.8/16

Left Out: 289.910+/-1.235 χ^2/NDF :1651.8/19

Right Out: 261.465+/-2.458 χ^2/NDF : 8204.3/18

Left In: 301.484+/-1.295 χ^2/NDF :986.9/17

Left: 295.421+/-0.894 χ^2/NDF : 2680.5/37

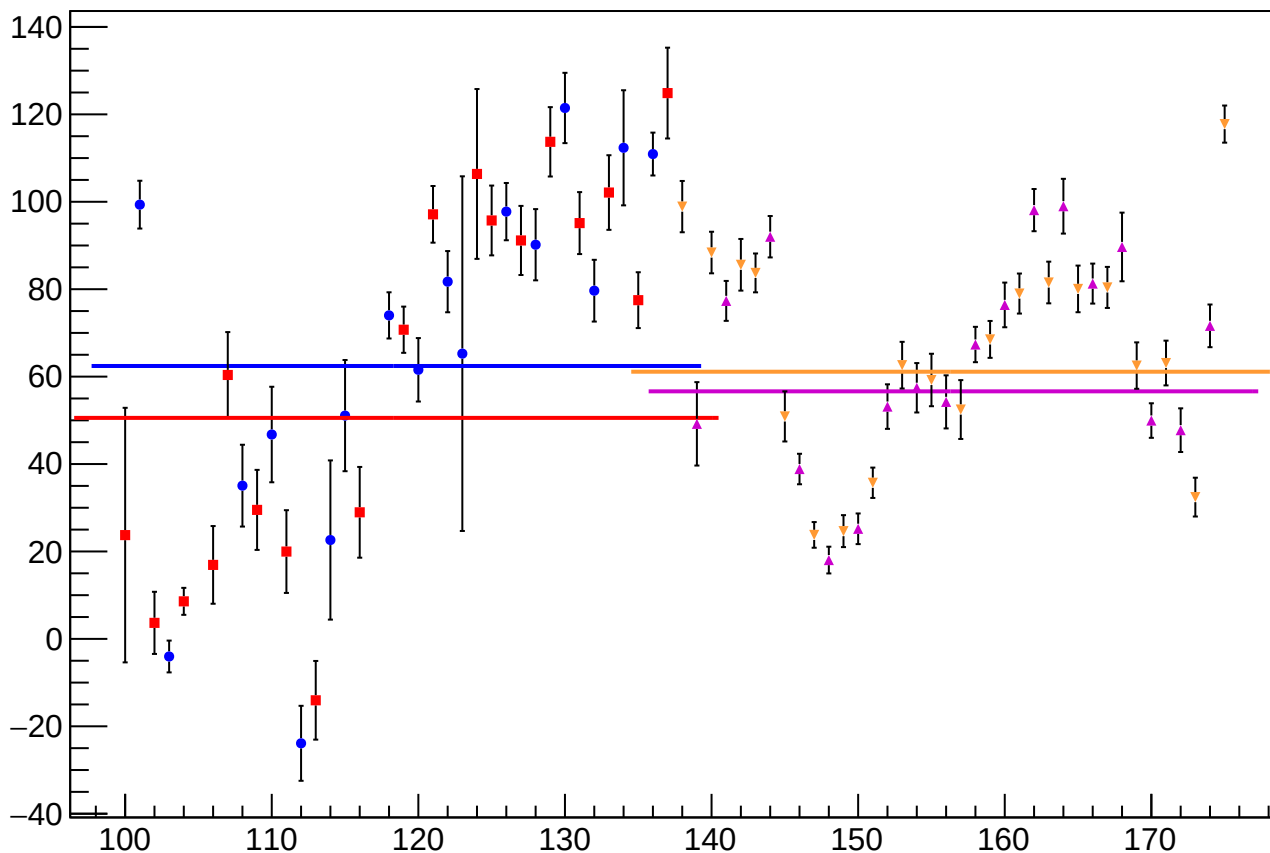
Right: 263.393+/-1.749 χ^2/NDF : 15839.3/35

In: 293.784+/-1.149 χ^2/NDF :8786.5/34

Out: 284.178+/-1.103 χ^2/NDF :9963.0/38

All: 288.787+/-0.796 χ^2/NDF : 18785.8/73

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 61.124 $\pm$ 1.026 χ^2 /NDF: 722.9/19

Right Out: 50.560 $\pm$ 1.642 χ^2 /NDF: 657.4/18

Left In: 56.633 $\pm$ 1.086 χ^2 /NDF: 546.7/17

Left: 59.005 $\pm$ 0.746 χ^2 /NDF: 1278.7/37

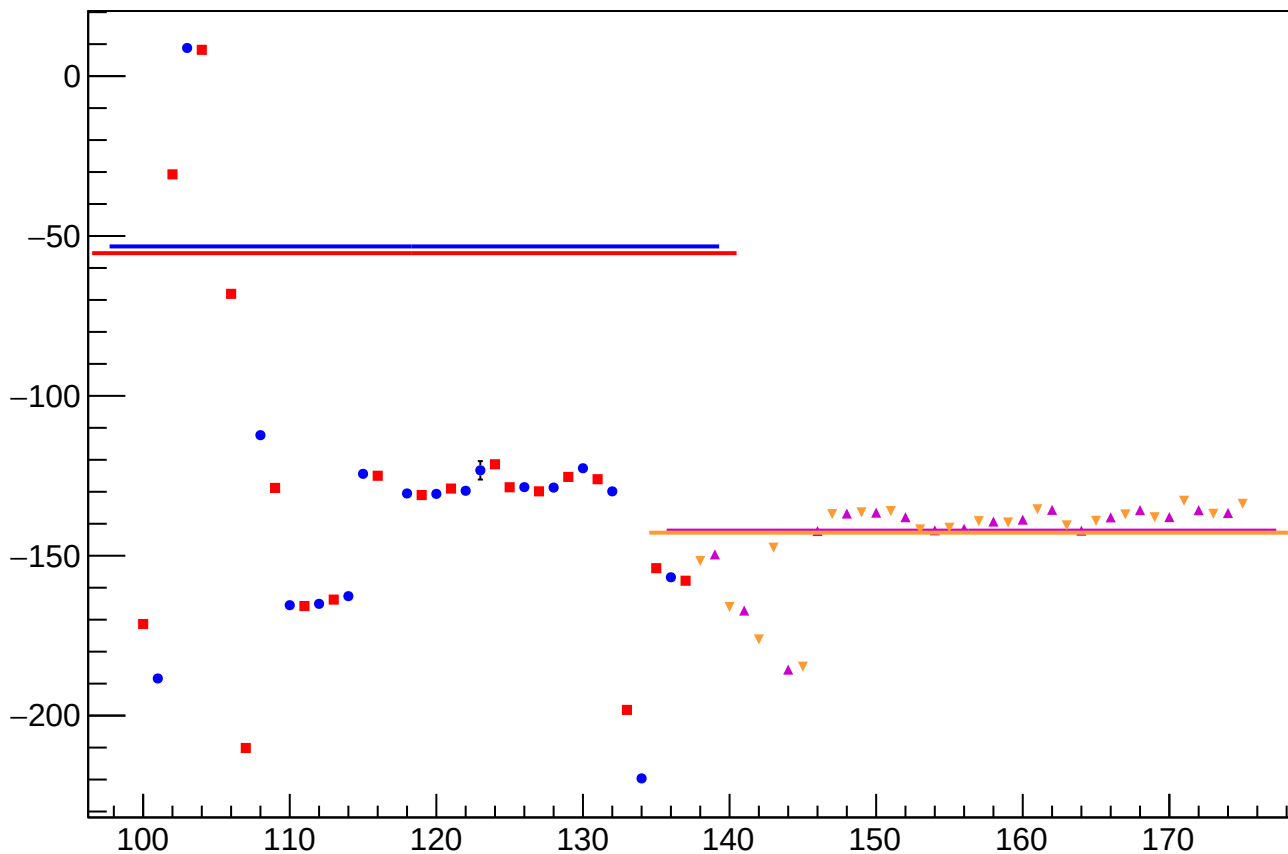
Right: 56.313 $\pm$ 1.179 χ^2 /NDF: 1404.5/35

In: 58.322 $\pm$ 0.914 χ^2 /NDF: 1276.8/34

Out: 58.157 $\pm$ 0.870 χ^2 /NDF: 1410.0/38

All: 58.235 $\pm$ 0.630 χ^2 /NDF: 2686.8/73

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -142.783 ± 0.050 $\chi^2/\text{NDF}: 62422.5/19$

Right Out: -55.373 ± 0.072 $\chi^2/\text{NDF}: 967027.2/18$

Left In: -142.149 ± 0.051 $\chi^2/\text{NDF}: 47088.4/17$

Left: -142.474 ± 0.036 $\chi^2/\text{NDF}: 109590.3/37$

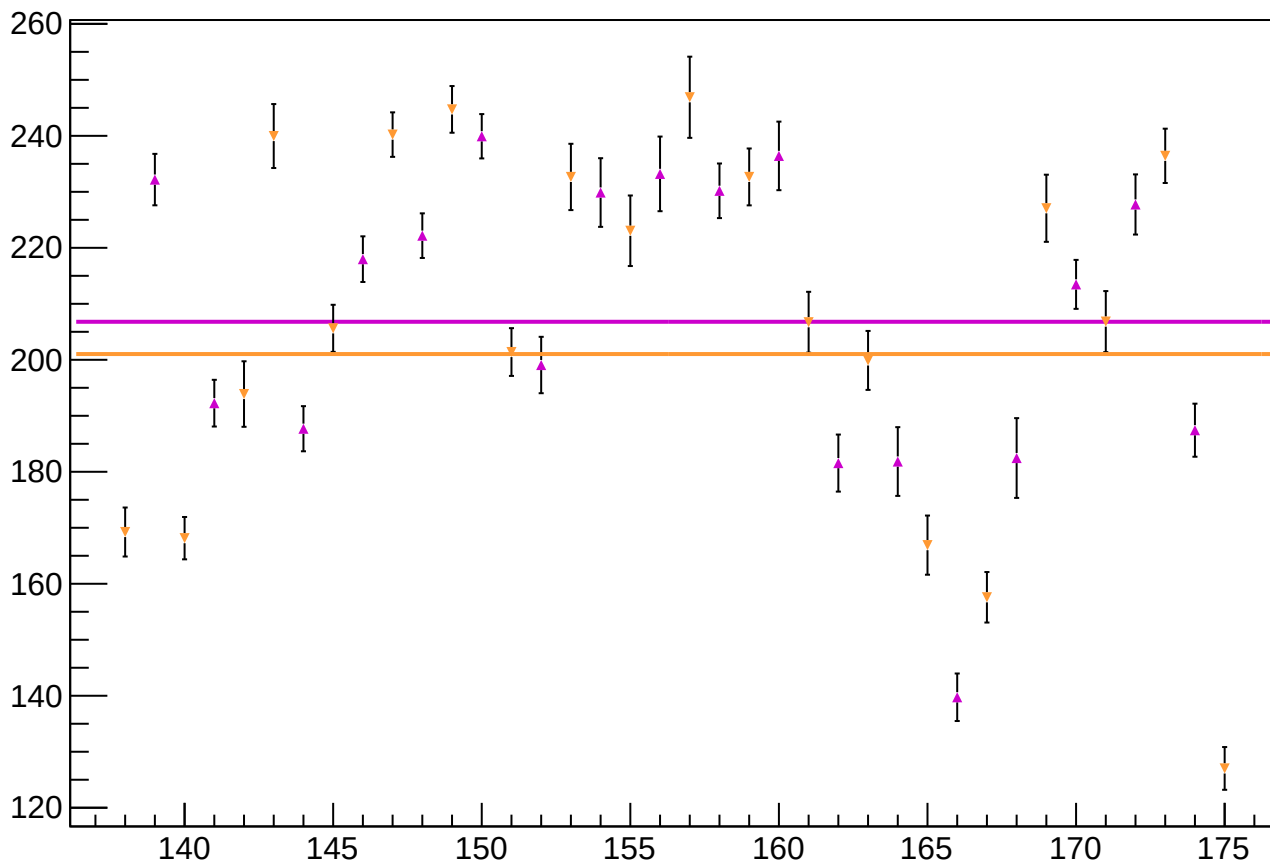
Right: -54.295 ± 0.050 $\chi^2/\text{NDF}: 2192958.9/35$

In: -111.601 ± 0.041 $\chi^2/\text{NDF}: 2318473.4/34$

Out: -114.585 ± 0.041 $\chi^2/\text{NDF}: 2029227.2/38$

All: -113.108 ± 0.029 $\chi^2/\text{NDF}: 4350339.5/73$

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: 201.028+/-1.082 χ^2/NDF :1088.6/19

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

Left In: 206.792+/-1.130 χ^2/NDF :573.1/17

Left: 203.785+/-0.782 χ^2/NDF : 1675.3/37

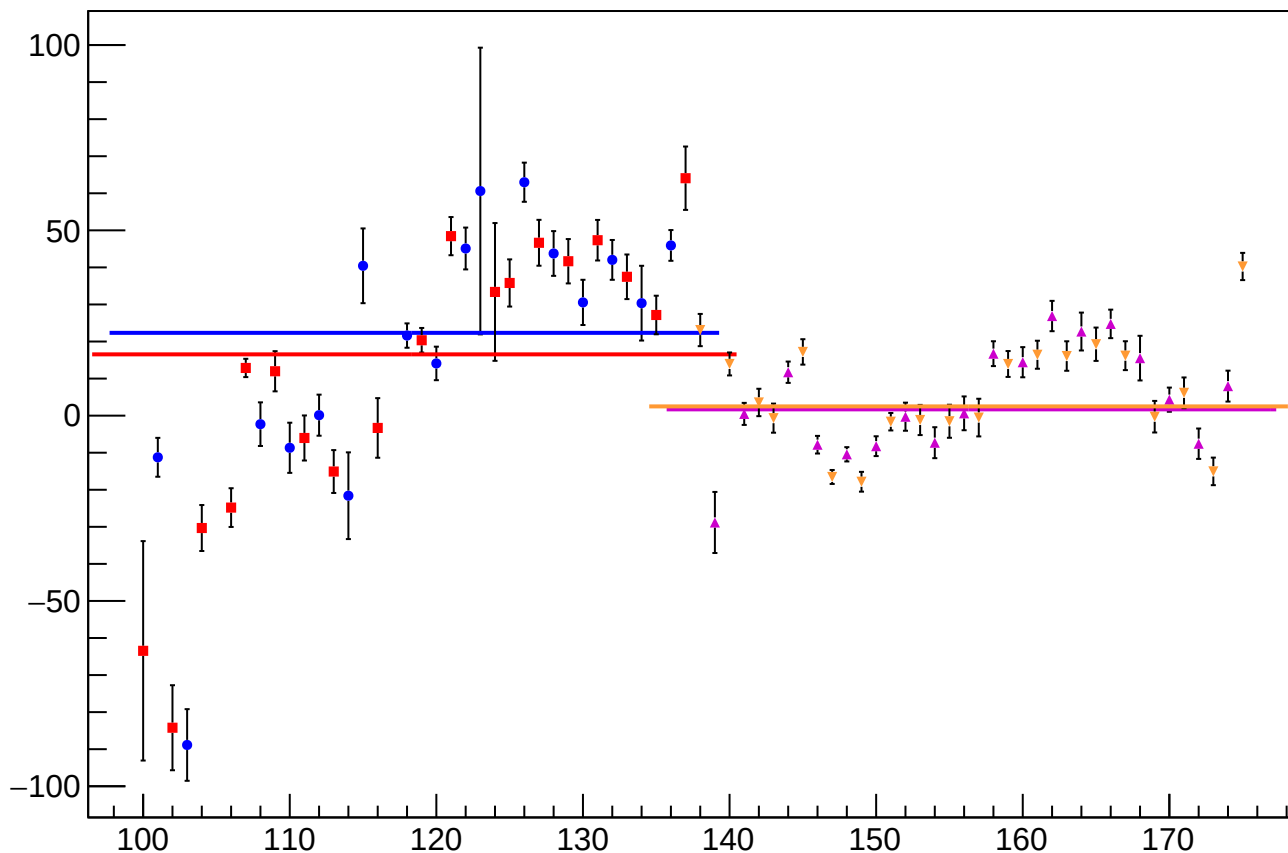
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 206.792+/-1.130 χ^2/NDF :573.1/17

Out: 201.028+/-1.082 χ^2/NDF :1088.6/19

All: 203.785+/-0.782 χ^2/NDF : 1675.3/37

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: 2.494 ± 0.762 χ^2/NDF : 411.7/19

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

Left In: 1.694 ± 0.800 χ^2/NDF : 234.2/17

Left: 2.113 ± 0.552 χ^2/NDF : 646.4/37

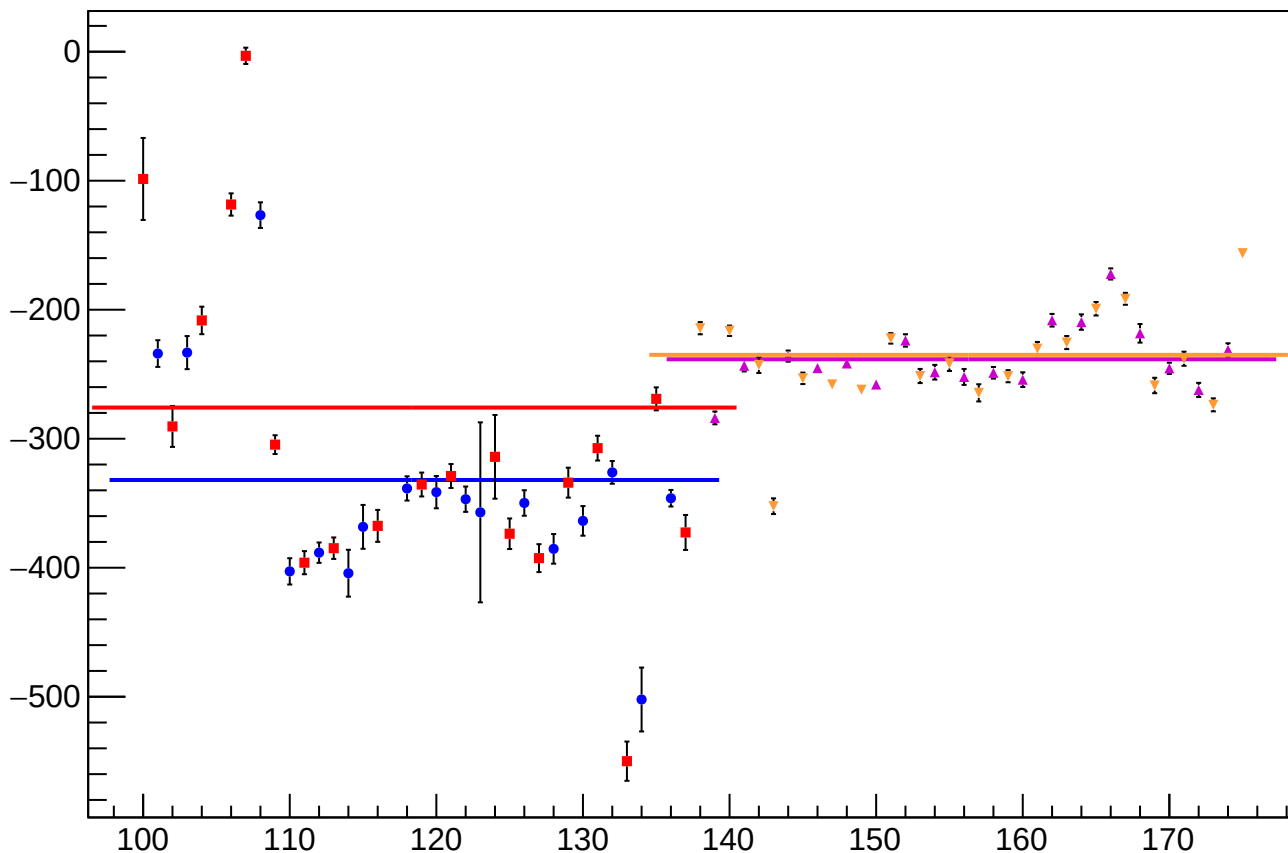
Right: 19.069 ± 0.922 χ^2/NDF : 822.2/35

In: 6.803 ± 0.694 χ^2/NDF : 784.9/34

Out: 6.403 ± 0.647 χ^2/NDF : 932.8/38

All: 6.589 ± 0.473 χ^2/NDF : 1717.8/73

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: -234.980 ± 1.075 $\chi^2/\text{NDF}: 1208.4/19$

Right Out: -275.842 ± 2.325 $\chi^2/\text{NDF}: 3362.2/18$

Left In: -238.419 ± 1.117 $\chi^2/\text{NDF}: 473.9/17$

Left: -236.633 ± 0.775 $\chi^2/\text{NDF}: 1687.2/37$

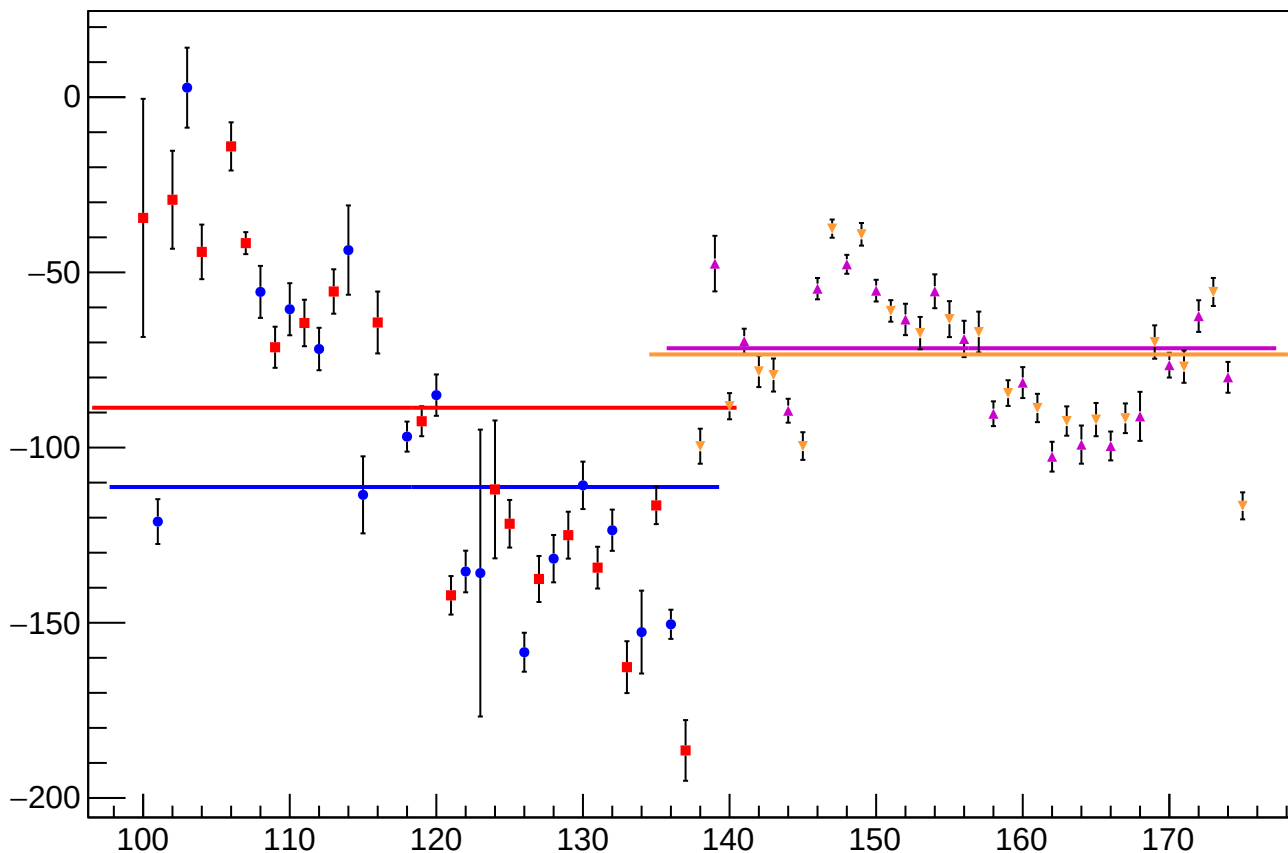
Right: -300.997 ± 1.727 $\chi^2/\text{NDF}: 4408.6/35$

In: -253.191 ± 1.025 $\chi^2/\text{NDF}: 2366.3/34$

Out: -242.176 ± 0.976 $\chi^2/\text{NDF}: 4825.3/38$

All: -247.410 ± 0.707 $\chi^2/\text{NDF}: 7252.2/73$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -73.412 ± 0.895 $\chi^2/\text{NDF}: 641.3/19$

Right Out: -88.633 ± 1.433 $\chi^2/\text{NDF}: 971.0/18$

Left In: -71.654 ± 0.937 $\chi^2/\text{NDF}: 364.4/17$

Left: -72.574 ± 0.647 $\chi^2/\text{NDF}: 1007.5/37$

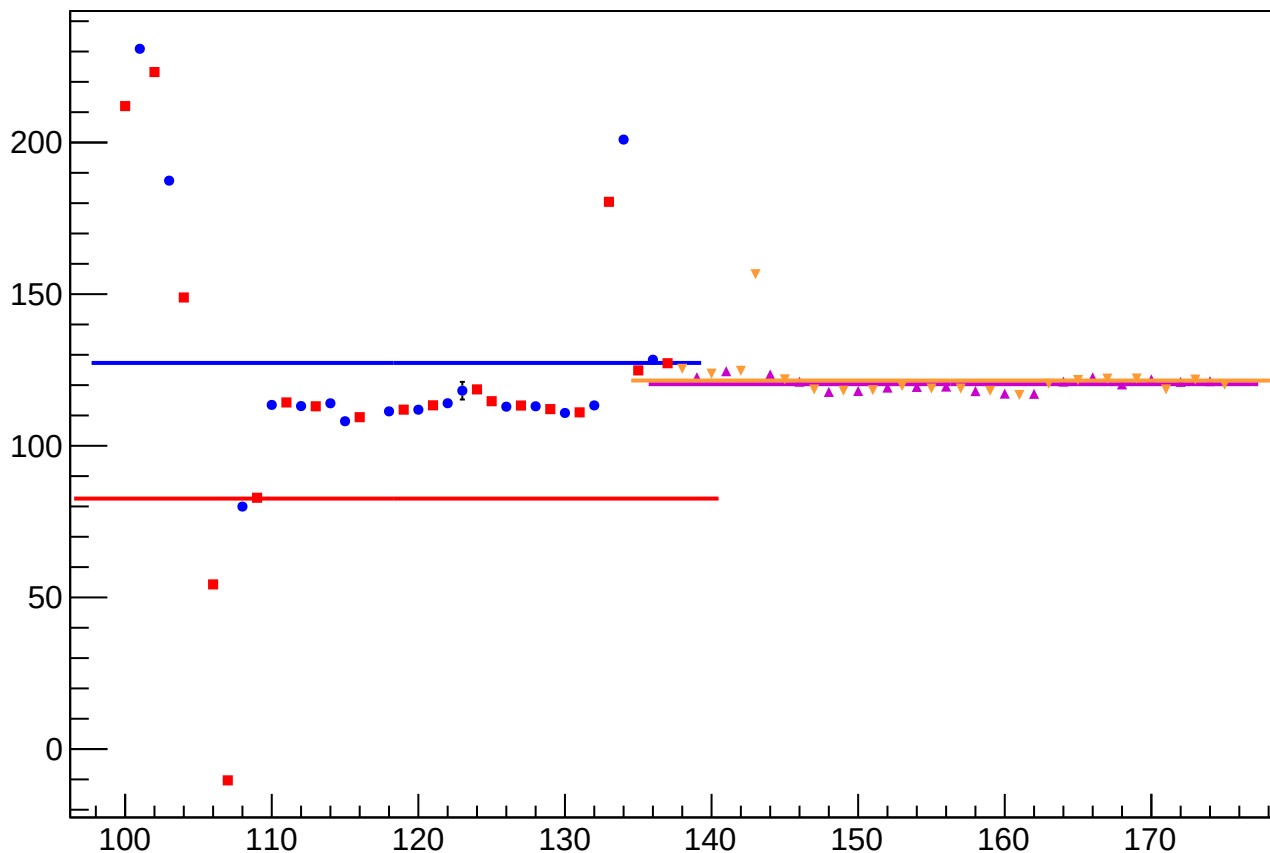
Right: -98.723 ± 1.067 $\chi^2/\text{NDF}: 1591.7/35$

In: -81.792 ± 0.808 $\chi^2/\text{NDF}: 1331.4/34$

Out: -77.681 ± 0.759 $\chi^2/\text{NDF}: 1693.4/38$

All: -79.607 ± 0.553 $\chi^2/\text{NDF}: 3038.5/73$

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: 121.520+/-0.043 χ^2/NDF : 23993.1/19

Right Out: 82.595+/-0.075 χ^2/NDF : 765022.5/18

Left In: 120.322+/-0.044 χ^2/NDF : 2562.5/17

Left: 120.933+/-0.031 χ^2/NDF : 26933.0/37

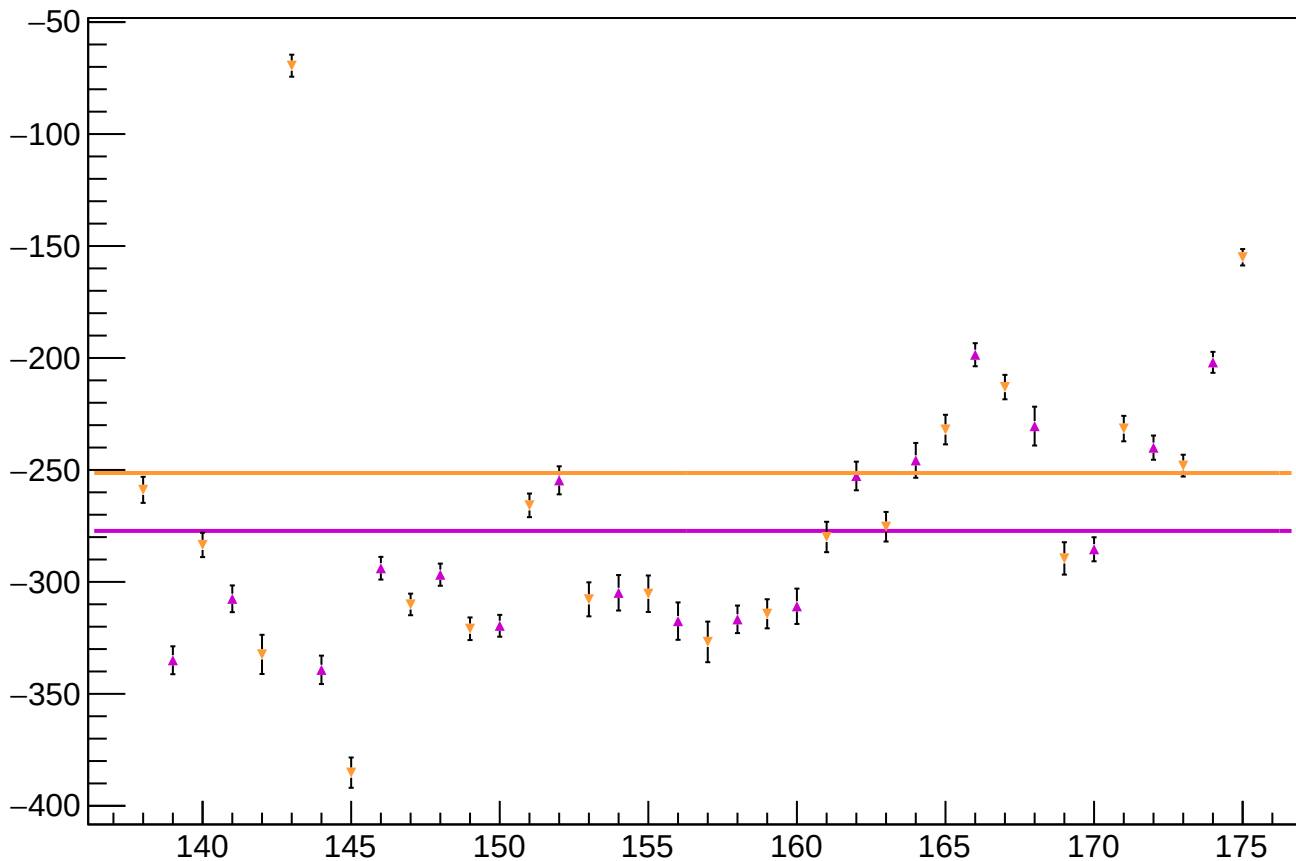
Right: 101.169+/-0.058 χ^2/NDF : 1099026.8/35

In: 121.687+/-0.039 χ^2/NDF : 195271.0/34

Out: 111.907+/-0.037 χ^2/NDF : 989841.8/38

All: 116.539+/-0.027 χ^2/NDF : 1217401.2/73

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: -251.358+/-1.298 χ^2/NDF :3307.2/19

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

Left In: -277.233+/-1.407 χ^2/NDF :1018.7/17

Left: -263.252+/-0.954 χ^2/NDF : 4508.6/37

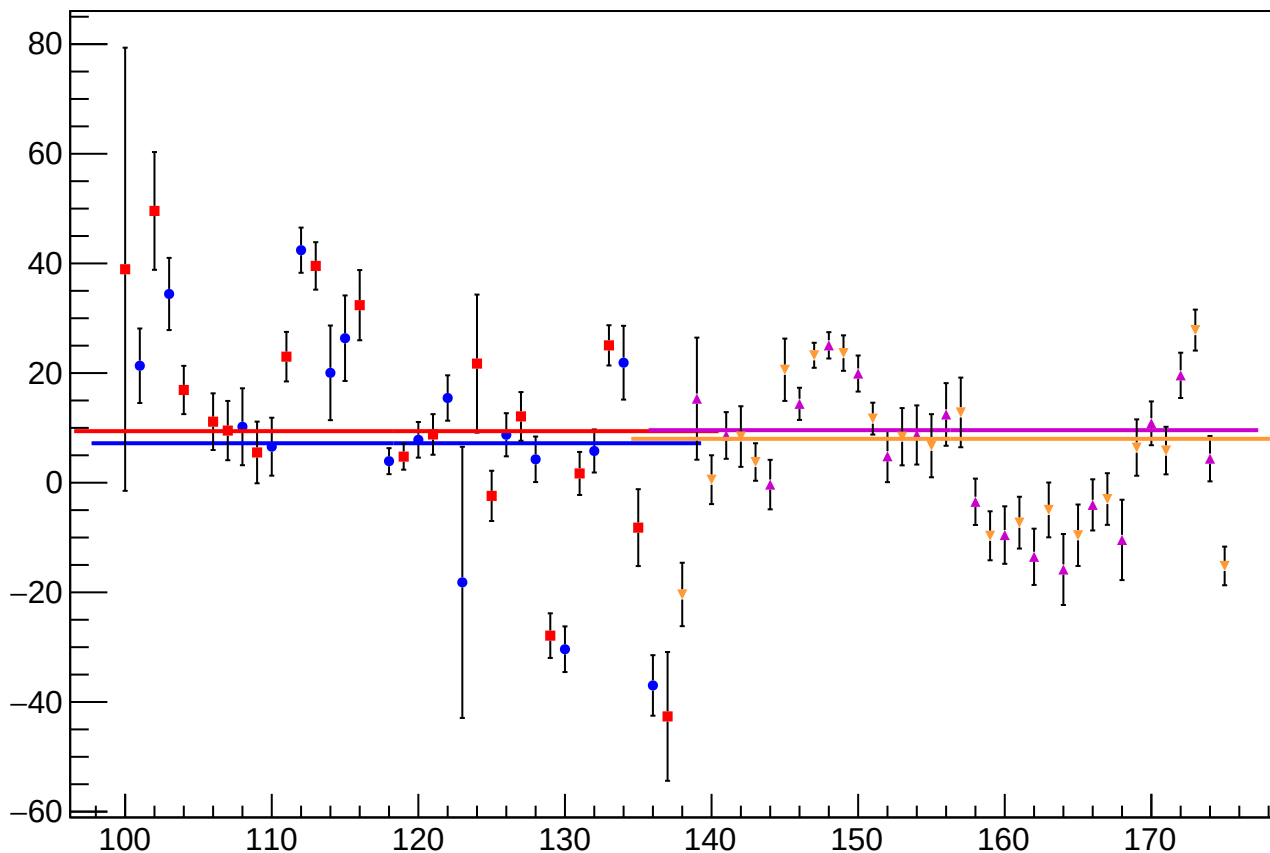
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -277.233+/-1.407 χ^2/NDF :1018.7/17

Out: -251.358+/-1.298 χ^2/NDF :3307.2/19

All: -263.252+/-0.954 χ^2/NDF : 4508.6/37

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 $\pm$ 1.103 χ^2/NDF : 260.9/16

Left Out: 8.003 $\pm$ 0.920 χ^2/NDF :223.4/19

Right Out: 9.403 $\pm$ 1.071 χ^2/NDF : 232.2/18

Left In: 9.582 $\pm$ 0.999 χ^2/NDF :142.6/17

Left: 8.728 $\pm$ 0.677 χ^2/NDF : 367.4/37

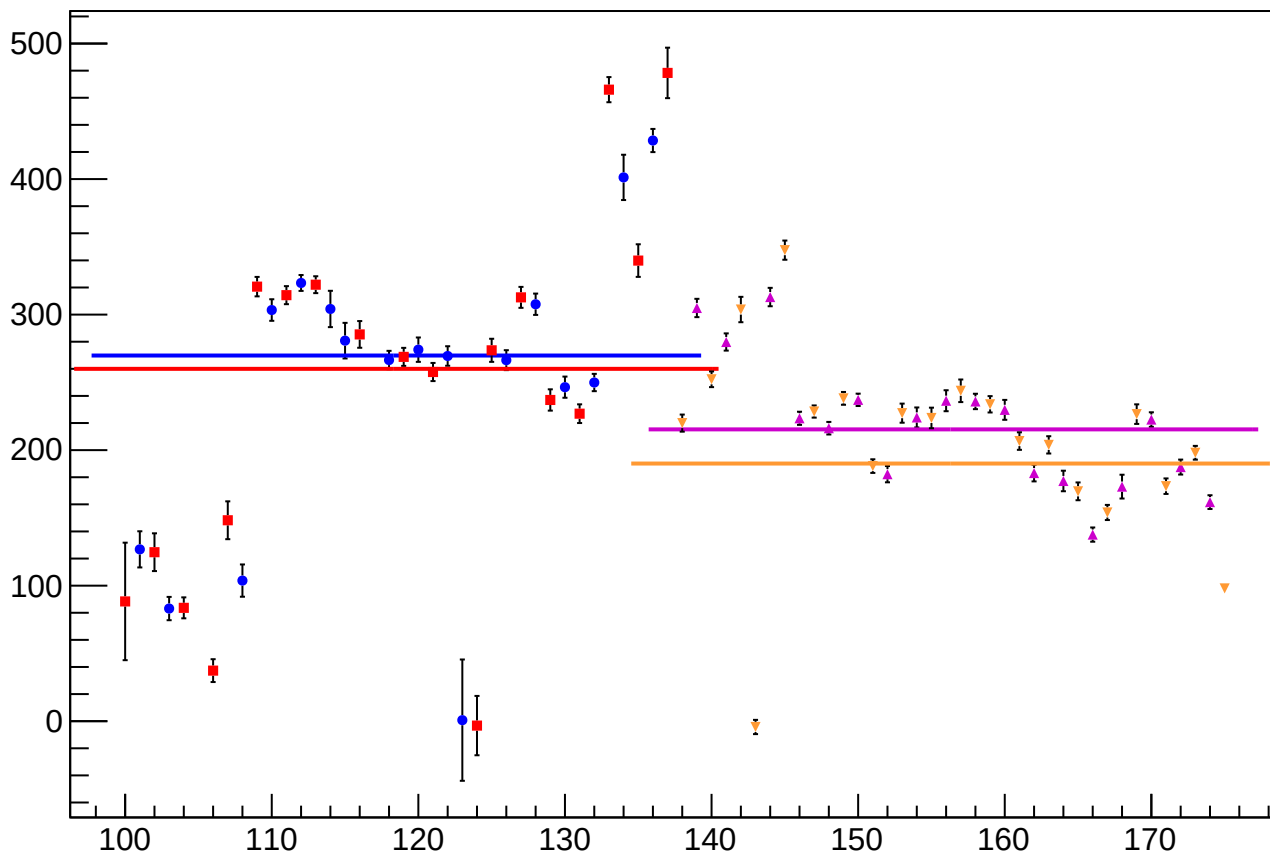
Right: 8.333 $\pm$ 0.768 χ^2/NDF : 495.1/35

In: 8.508 $\pm$ 0.740 χ^2/NDF :406.0/34

Out: 8.597 $\pm$ 0.698 χ^2/NDF :456.6/38

All: 8.556 $\pm$ 0.508 χ^2/NDF : 862.6/73

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: 190.105 $\pm$ 1.288 χ^2/NDF : 3199.2/19

Right Out: 259.980 $\pm$ 1.977 χ^2/NDF : 2538.6/18

Left In: 215.312 $\pm$ 1.390 χ^2/NDF : 1001.2/17

Left: 201.749 $\pm$ 0.945 χ^2/NDF : 4377.3/37

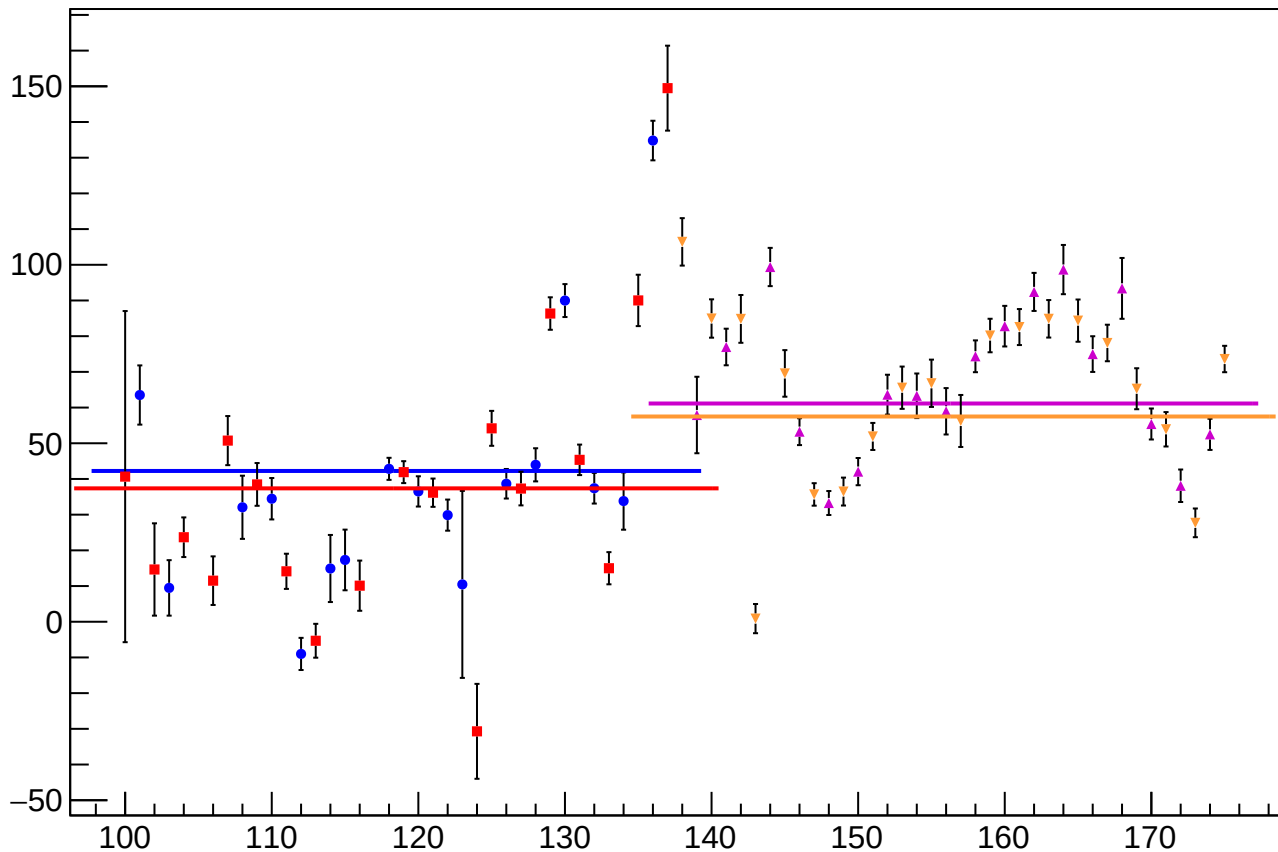
Right: 264.622 $\pm$ 1.436 χ^2/NDF : 3924.4/35

In: 232.037 $\pm$ 1.157 χ^2/NDF : 2846.9/34

Out: 210.928 $\pm$ 1.079 χ^2/NDF : 6614.9/38

All: 220.746 $\pm$ 0.789 χ^2/NDF : 9639.7/73

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 57.496 $\pm$ 1.075 χ^2 /NDF: 563.2/19

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

Left In: 61.138 $\pm$ 1.166 χ^2 /NDF: 299.9/17

Left: 59.171 $\pm$ 0.790 χ^2 /NDF: 868.4/37

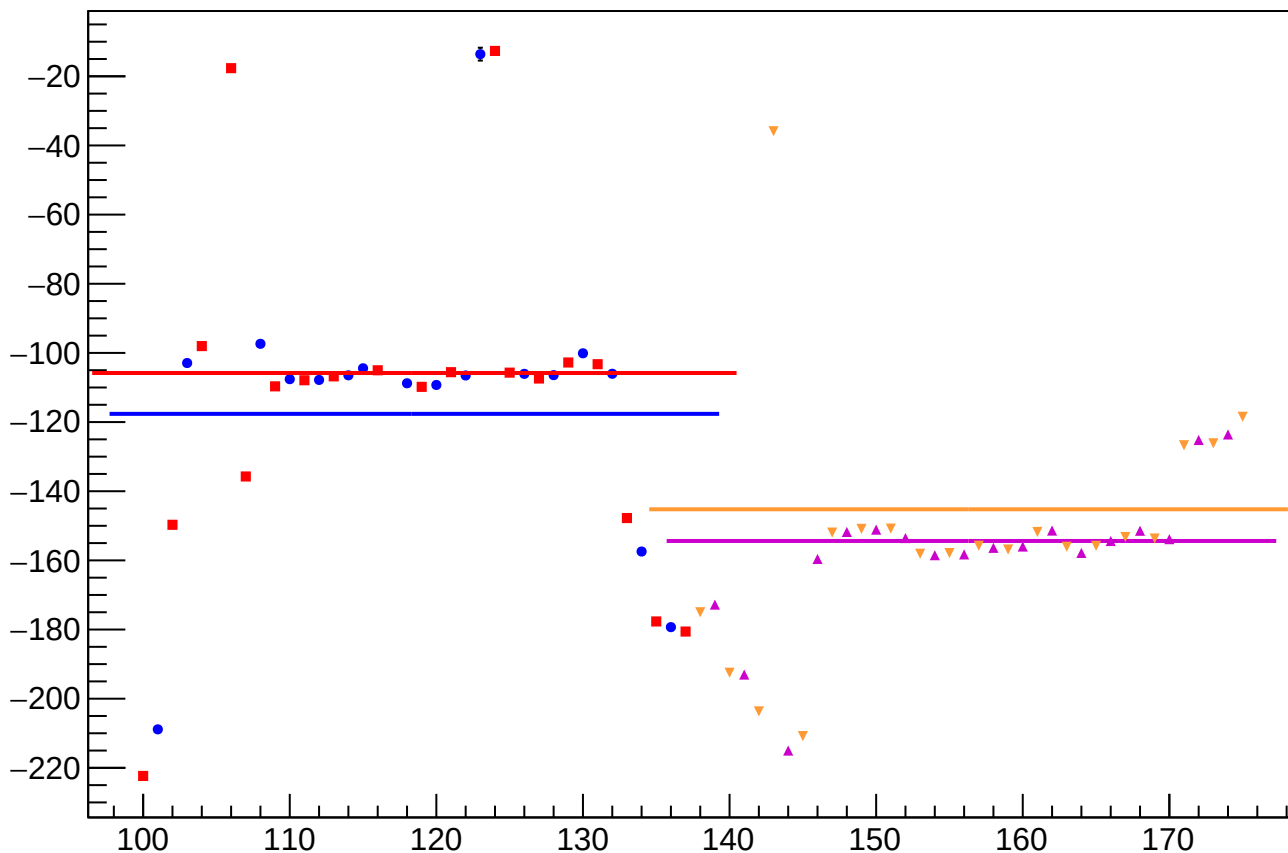
Right: 39.728 $\pm$ 0.886 χ^2 /NDF: 1054.2/35

In: 52.525 $\pm$ 0.860 χ^2 /NDF: 994.1/34

Out: 48.813 $\pm$ 0.811 χ^2 /NDF: 1186.7/38

All: 50.560 $\pm$ 0.590 χ^2 /NDF: 2190.7/73

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: -145.225+/-0.052 χ^2/NDF : 457736.4/19

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

Left In: -154.386+/-0.054 χ^2/NDF : 122335.6/17

Left: -149.589+/-0.038 χ^2/NDF : 594876.5/37

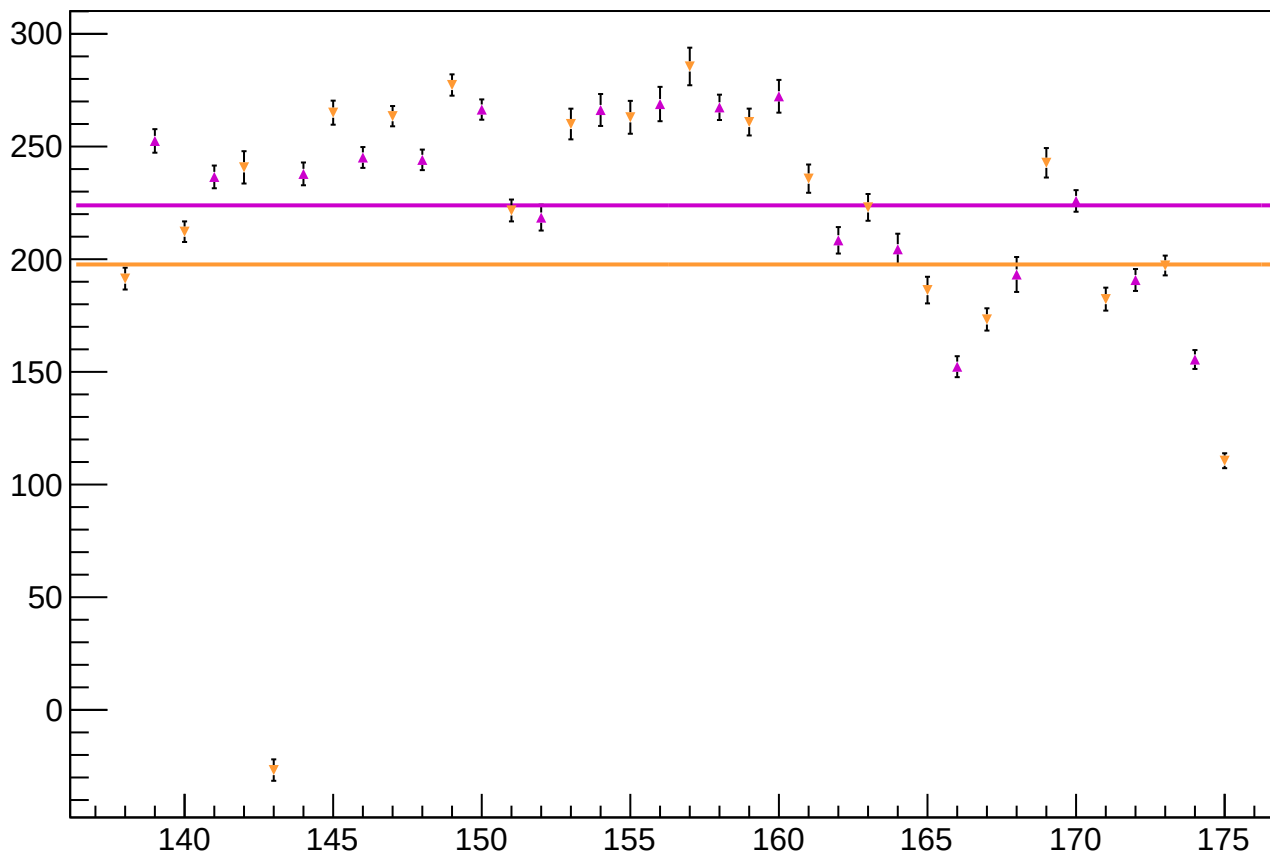
Right: -111.270+/-0.053 χ^2/NDF : 477157.6/35

In: -142.441+/-0.045 χ^2/NDF : 412146.9/34

Out: -131.923+/-0.042 χ^2/NDF : 975009.2/38

All: -136.885+/-0.031 χ^2/NDF : 1416327.1/73

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: 197.668+/-1.165 χ^2/NDF :4175.4/19

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

Left In: 223.893+/-1.257 χ^2/NDF :930.1/17

Left: 209.784+/-0.854 χ^2/NDF : 5339.7/37

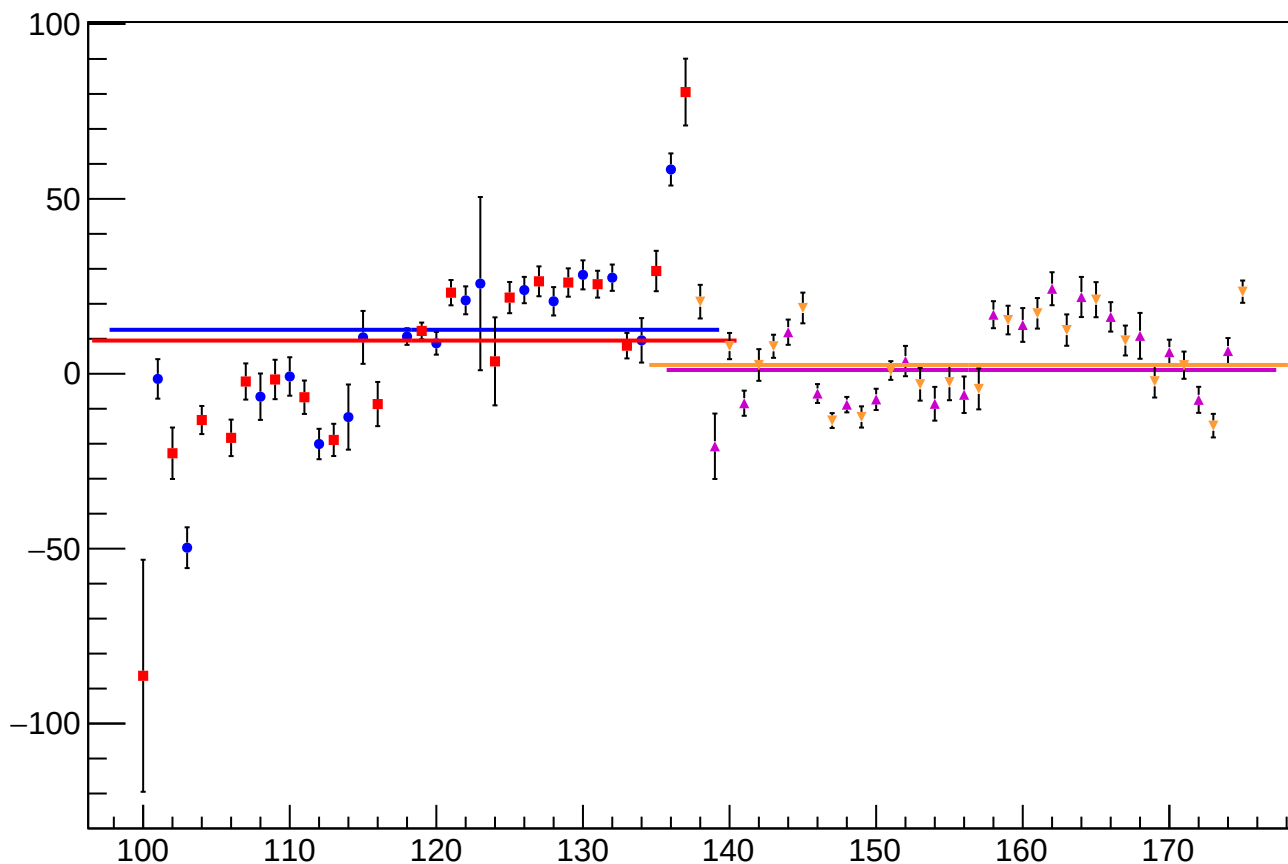
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 223.893+/-1.257 χ^2/NDF :930.1/17

Out: 197.668+/-1.165 χ^2/NDF :4175.4/19

All: 209.784+/-0.854 χ^2/NDF : 5339.7/37

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: 2.519+/-0.833 χ^2/NDF :229.8/19

Right Out: 9.493+/-1.047 χ^2/NDF : 295.8/18

Left In: 1.077+/-0.899 χ^2/NDF :147.5/17

Left: 1.853+/-0.611 χ^2/NDF : 378.8/37

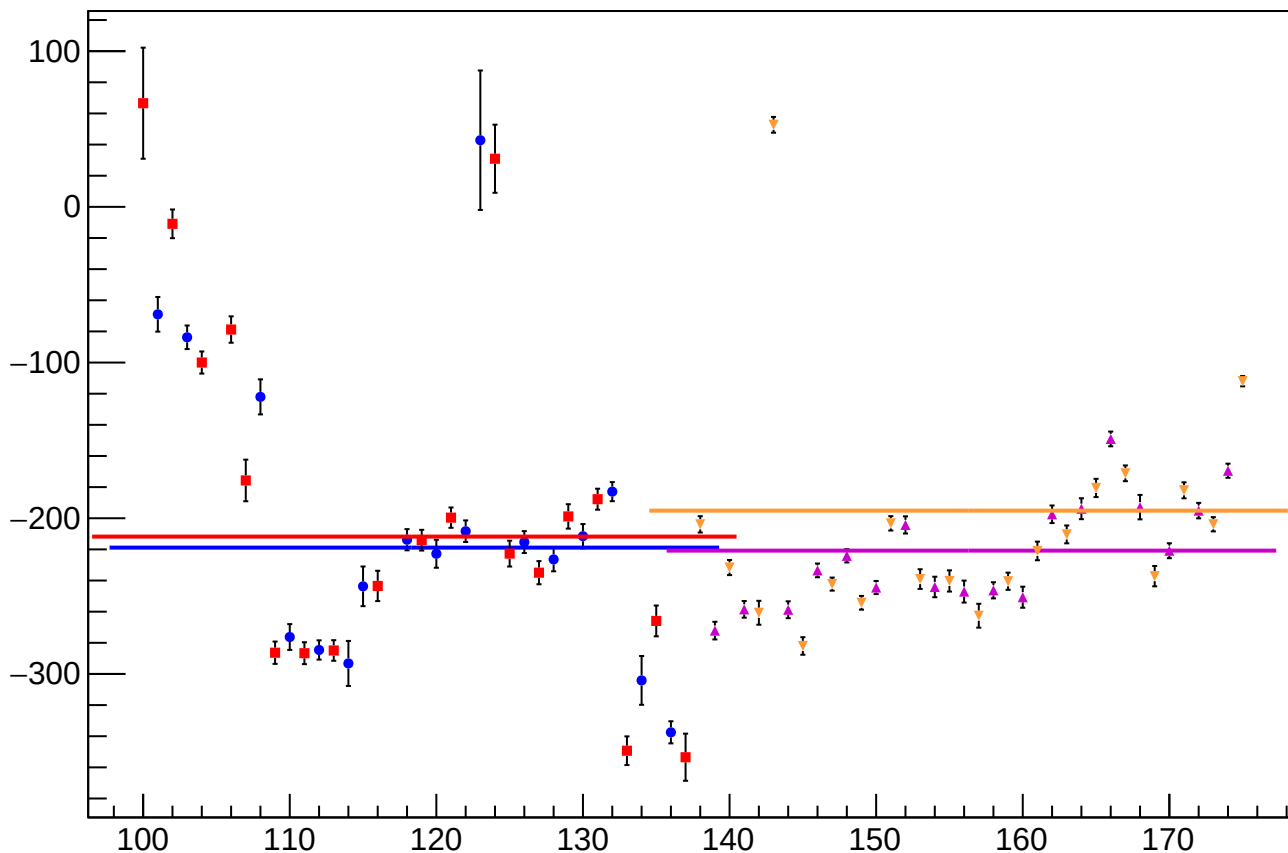
Right: 10.995+/-0.750 χ^2/NDF : 648.0/35

In: 5.813+/-0.689 χ^2/NDF :562.9/34

Out: 5.220+/-0.652 χ^2/NDF :552.8/38

All: 5.500+/-0.474 χ^2/NDF : 1116.1/73

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -195.122 ± 1.159 $\chi^2/\text{NDF}: 4038.0/19$

Right Out: -211.780 ± 1.924 $\chi^2/\text{NDF}: 1885.2/18$

Left In: -220.784 ± 1.246 $\chi^2/\text{NDF}: 730.0/17$

Left: -207.031 ± 0.849 $\chi^2/\text{NDF}: 4995.3/37$

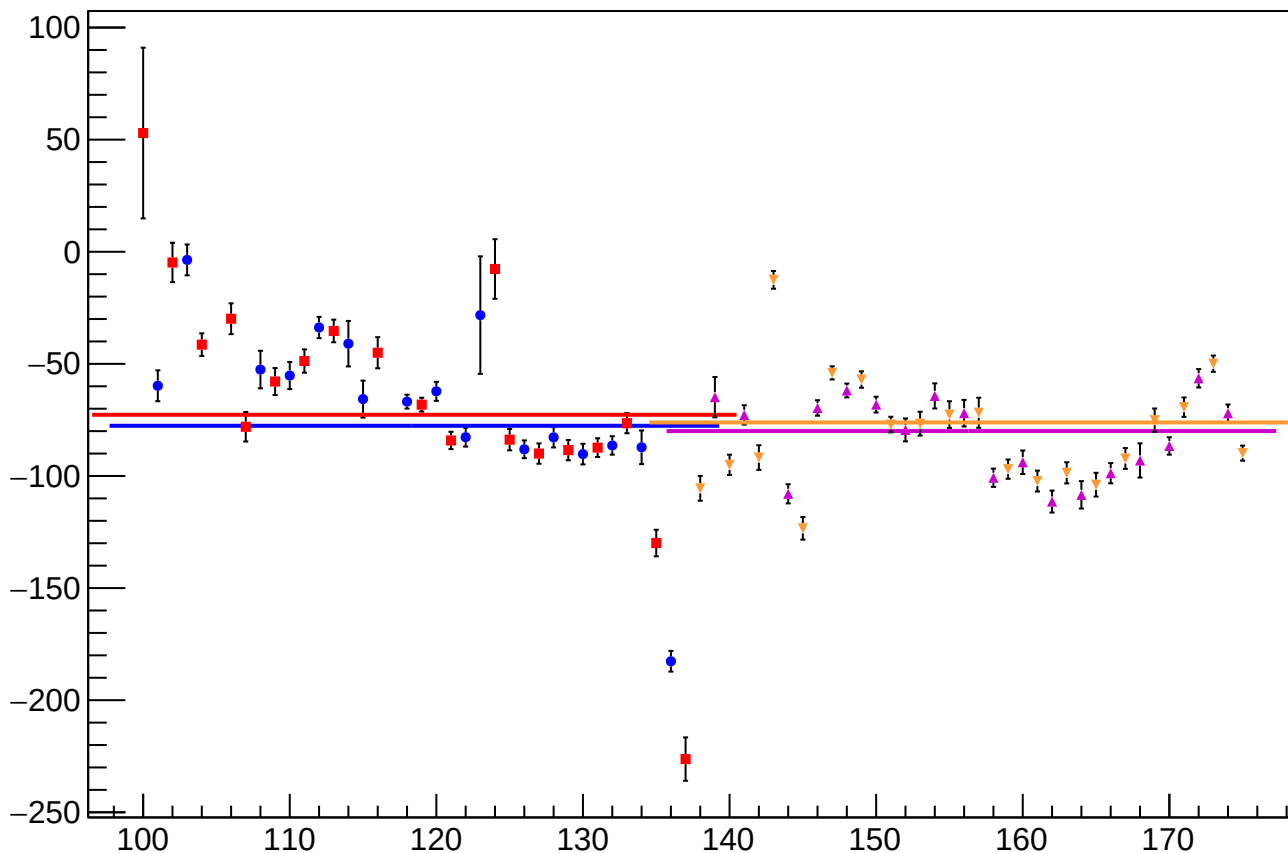
Right: -215.141 ± 1.394 $\chi^2/\text{NDF}: 3038.2/35$

In: -220.254 ± 1.061 $\chi^2/\text{NDF}: 1877.2/34$

Out: -199.560 ± 0.993 $\chi^2/\text{NDF}: 5978.1/38$

All: -209.225 ± 0.725 $\chi^2/\text{NDF}: 8058.1/73$

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: -76.137 ± 0.971 χ^2/NDF : 673.7/19

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

Left In: -79.975 ± 1.048 χ^2/NDF : 268.8/17

Left: -77.911 ± 0.712 χ^2/NDF : 949.7/37

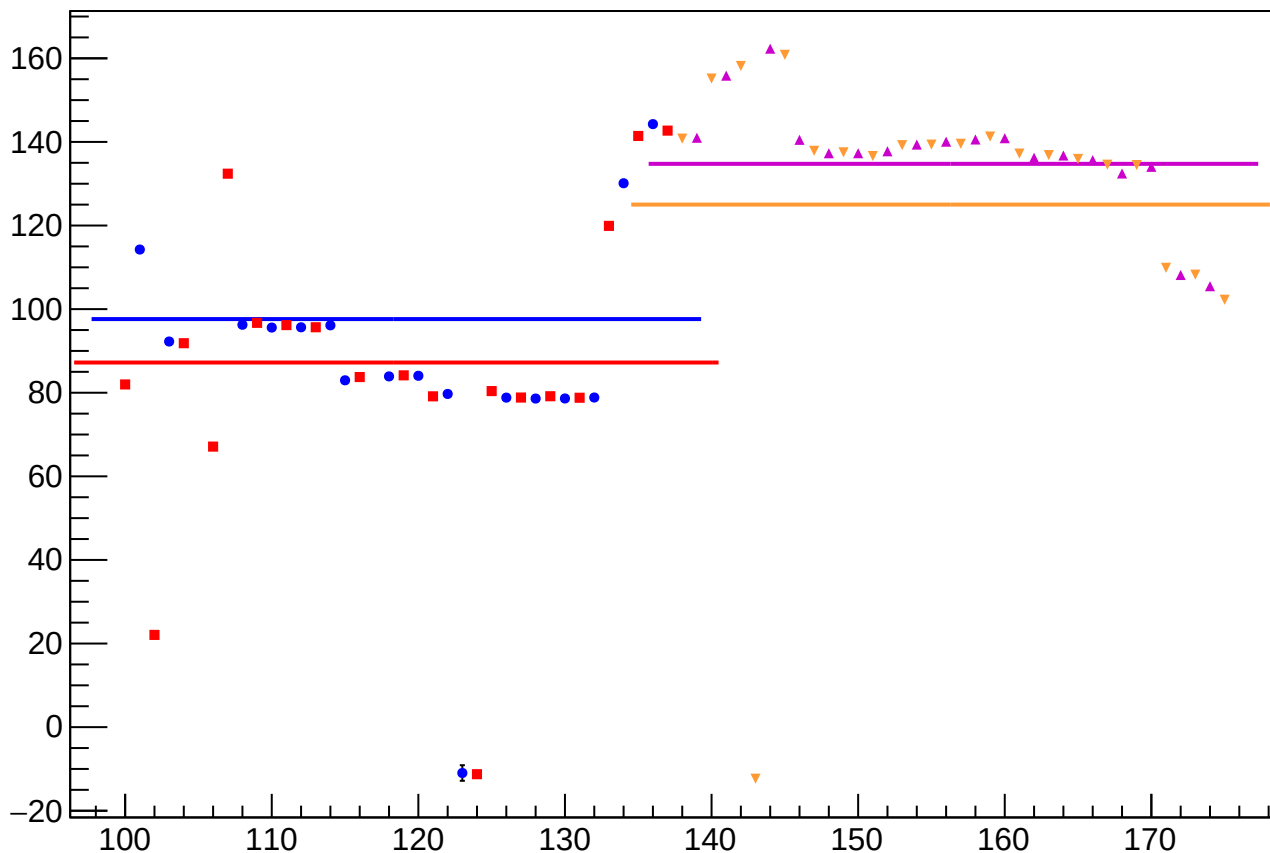
Right: -75.100 ± 0.863 χ^2/NDF : 1495.4/35

In: -78.988 ± 0.799 χ^2/NDF : 1086.8/34

Out: -74.789 ± 0.756 χ^2/NDF : 1350.0/38

All: -76.773 ± 0.549 χ^2/NDF : 2451.4/73

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: 125.009 $\pm$ 0.047 χ^2 /NDF: 598744.9/19

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

Left In: 134.757 $\pm$ 0.049 χ^2 /NDF: 82306.4/17

Left: 129.670 $\pm$ 0.034 χ^2 /NDF: 701860.1/37

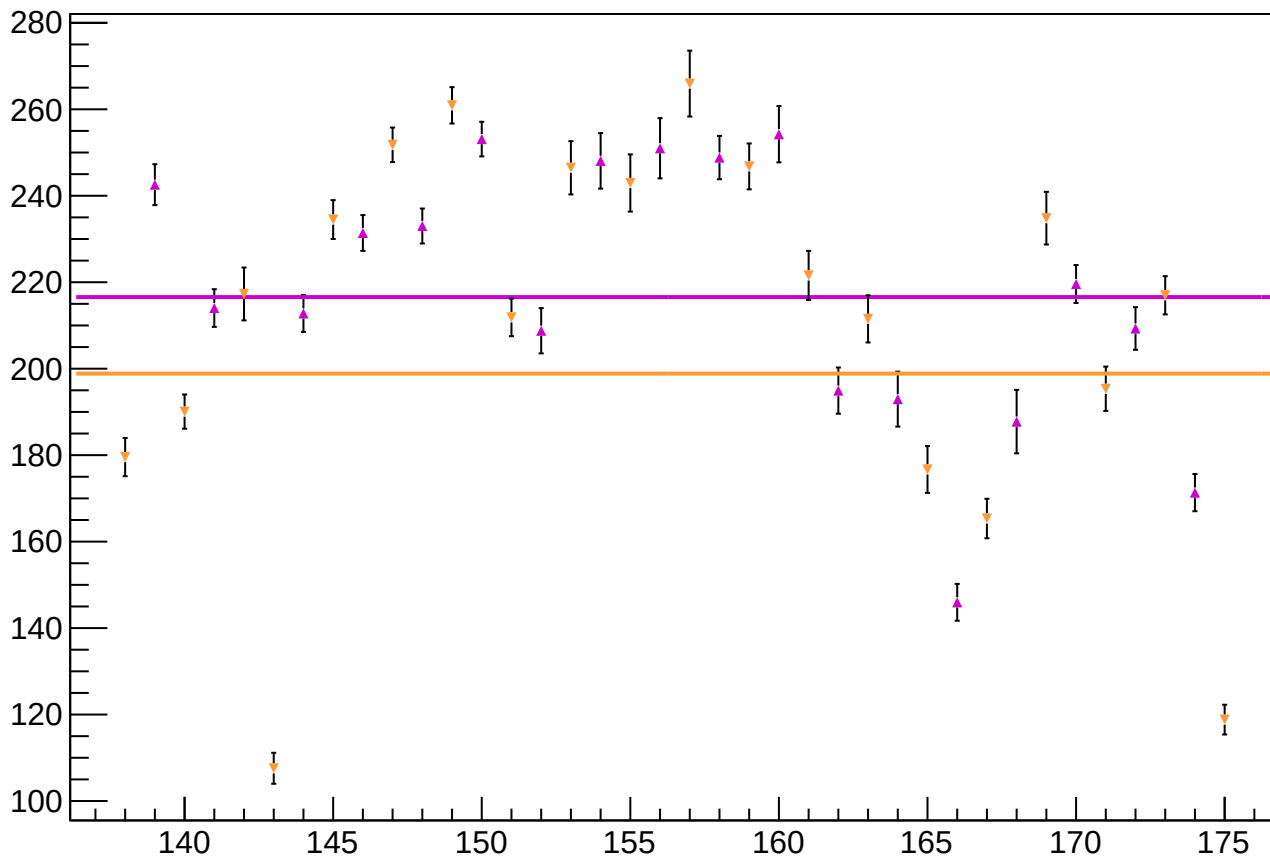
Right: 92.025 $\pm$ 0.050 χ^2 /NDF: 325598.1/35

In: 123.436 $\pm$ 0.041 χ^2 /NDF: 352802.2/34

Out: 112.955 $\pm$ 0.039 χ^2 /NDF: 1028181.0/38

All: 117.913 $\pm$ 0.028 χ^2 /NDF: 1415930.9/73

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 198.863+/-1.060 χ^2/NDF :2093.7/19

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

Left In: 216.565+/-1.148 χ^2/NDF :702.7/17

Left: 207.012+/-0.779 χ^2/NDF : 2924.8/37

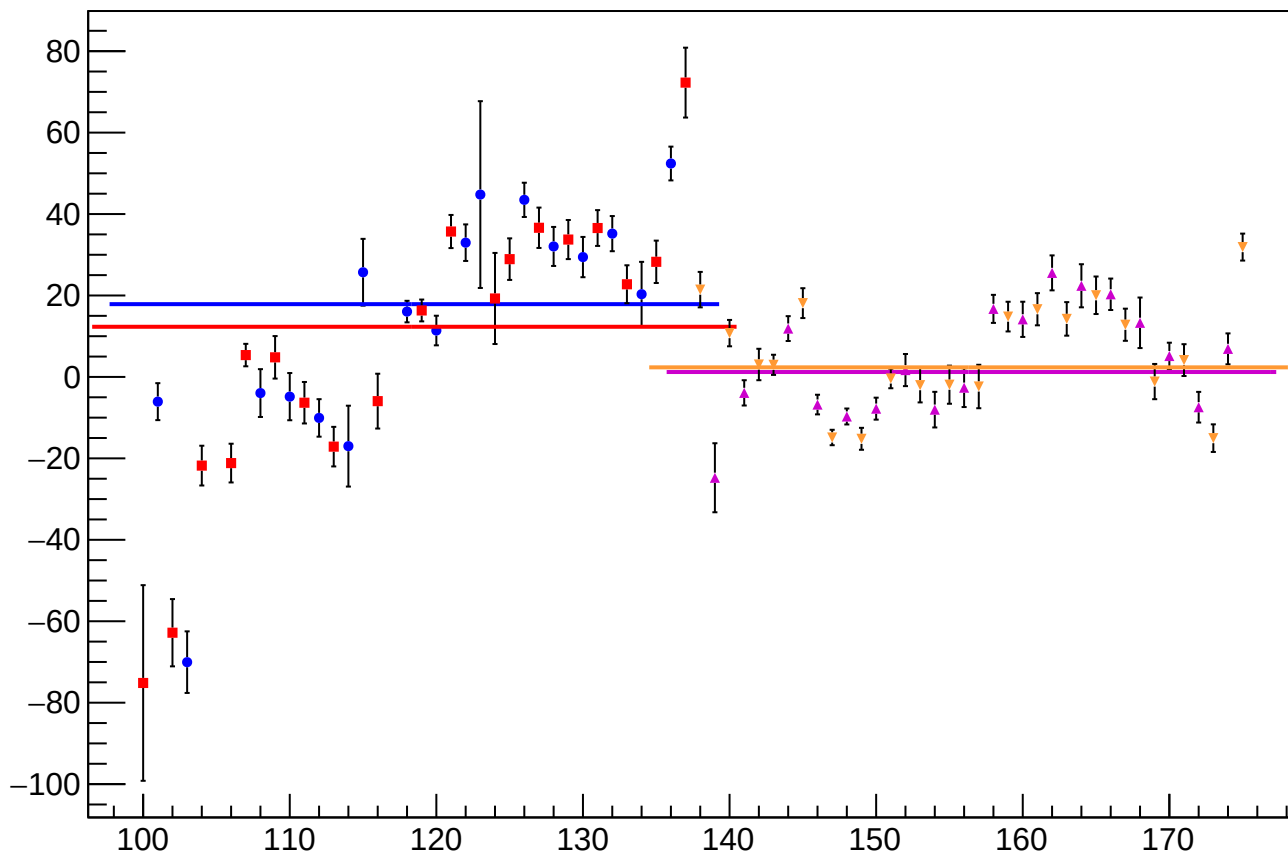
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 216.565+/-1.148 χ^2/NDF :702.7/17

Out: 198.863+/-1.060 χ^2/NDF :2093.7/19

All: 207.012+/-0.779 χ^2/NDF : 2924.8/37

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: 2.352 ± 0.748 χ^2/NDF : 335.2/19

Right Out: 12.317 ± 1.083 χ^2/NDF : 444.0/18

Left In: 1.205 ± 0.814 χ^2/NDF : 197.3/17

Left: 1.827 ± 0.551 χ^2/NDF : 533.6/37

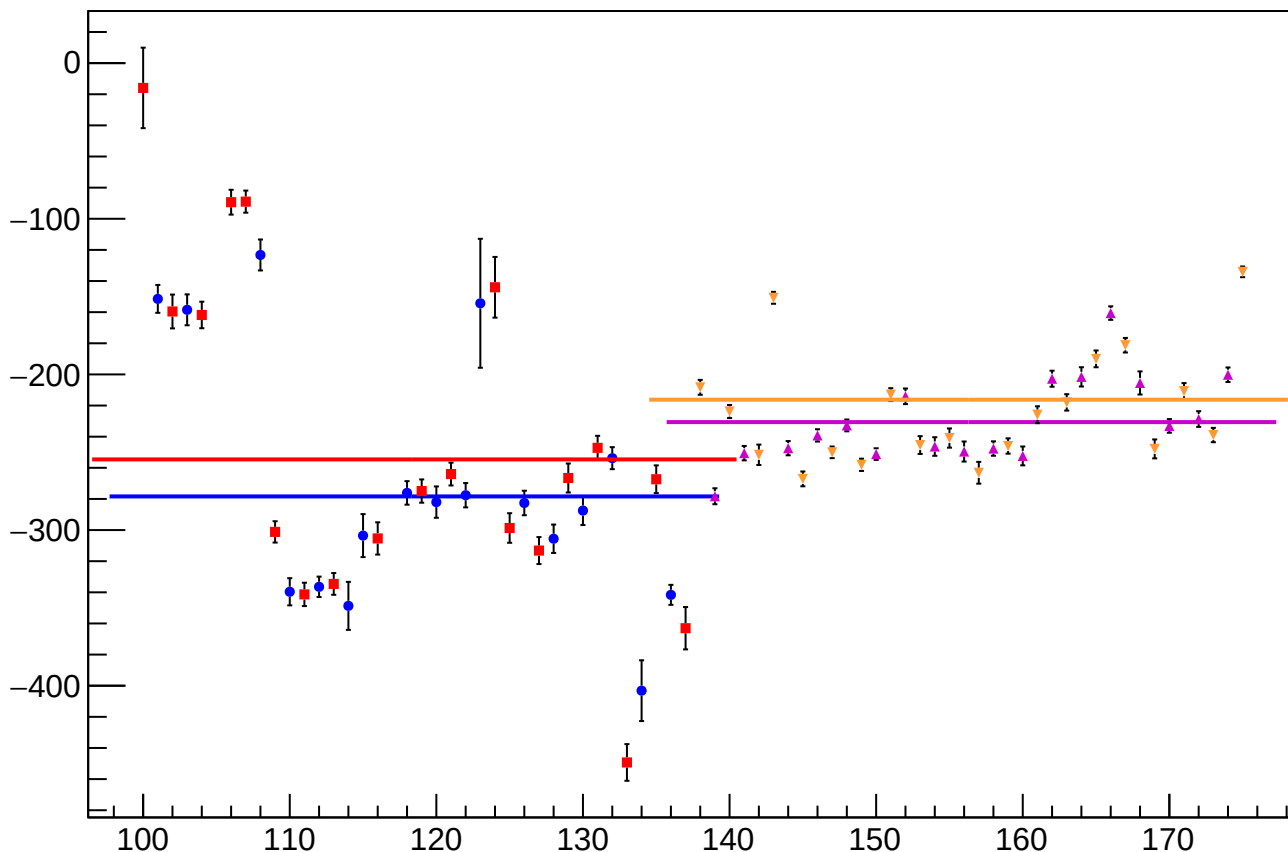
Right: 14.891 ± 0.794 χ^2/NDF : 851.6/35

In: 6.664 ± 0.667 χ^2/NDF : 730.1/34

Out: 5.570 ± 0.616 χ^2/NDF : 836.6/38

All: 6.073 ± 0.452 χ^2/NDF : 1568.1/73

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: -216.241 ± 1.057 χ^2/NDF : 1467.8/19

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

Left In: -230.636 ± 1.136 χ^2/NDF : 572.1/17

Left: -222.921 ± 0.774 χ^2/NDF : 2126.1/37

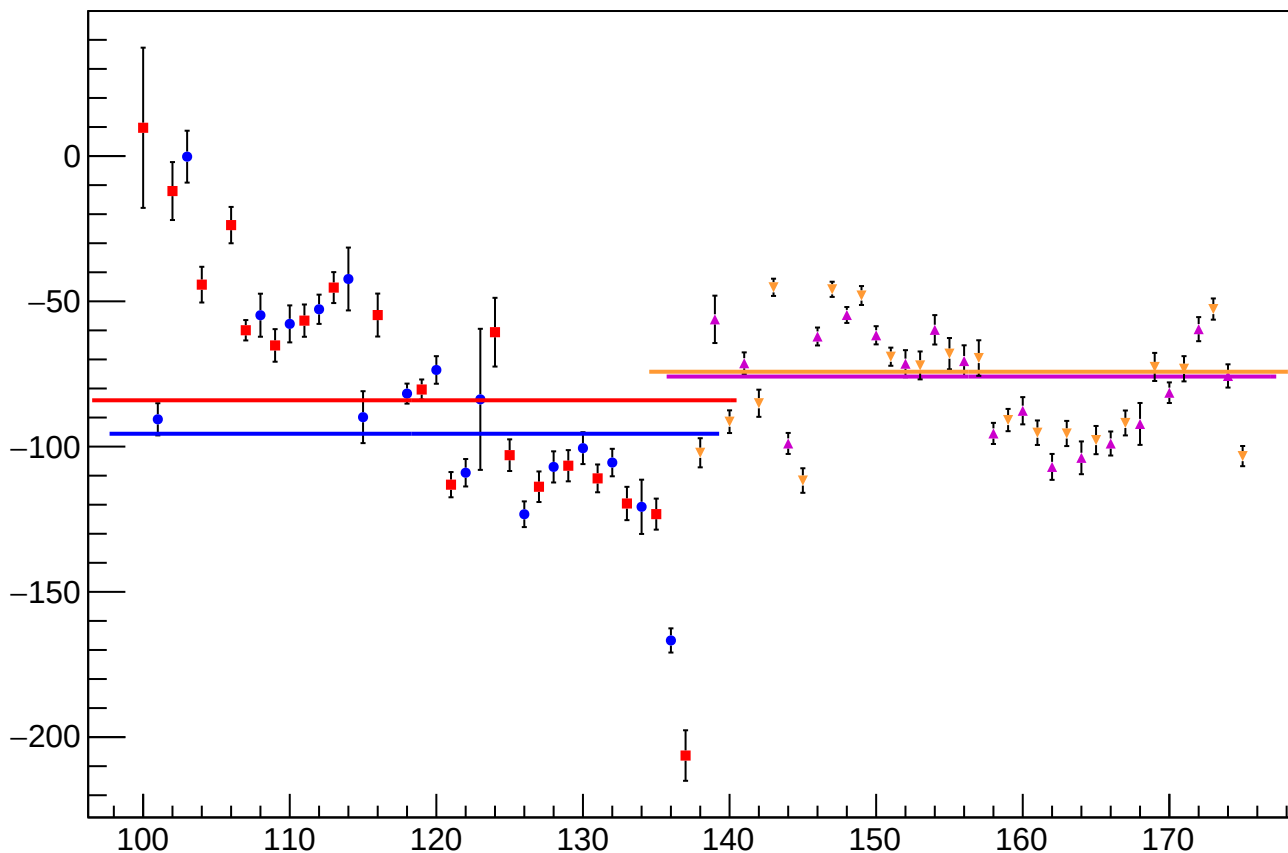
Right: -265.560 ± 1.483 χ^2/NDF : 3011.9/35

In: -240.791 ± 1.008 χ^2/NDF : 1858.7/34

Out: -224.485 ± 0.936 χ^2/NDF : 3788.5/38

All: -232.041 ± 0.686 χ^2/NDF : 5787.7/73

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: -74.231 ± 0.878 χ^2/NDF : 630.9/19

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

Left In: -75.893 ± 0.952 χ^2/NDF : 322.9/17

Left: -74.995 ± 0.646 χ^2/NDF : 955.4/37

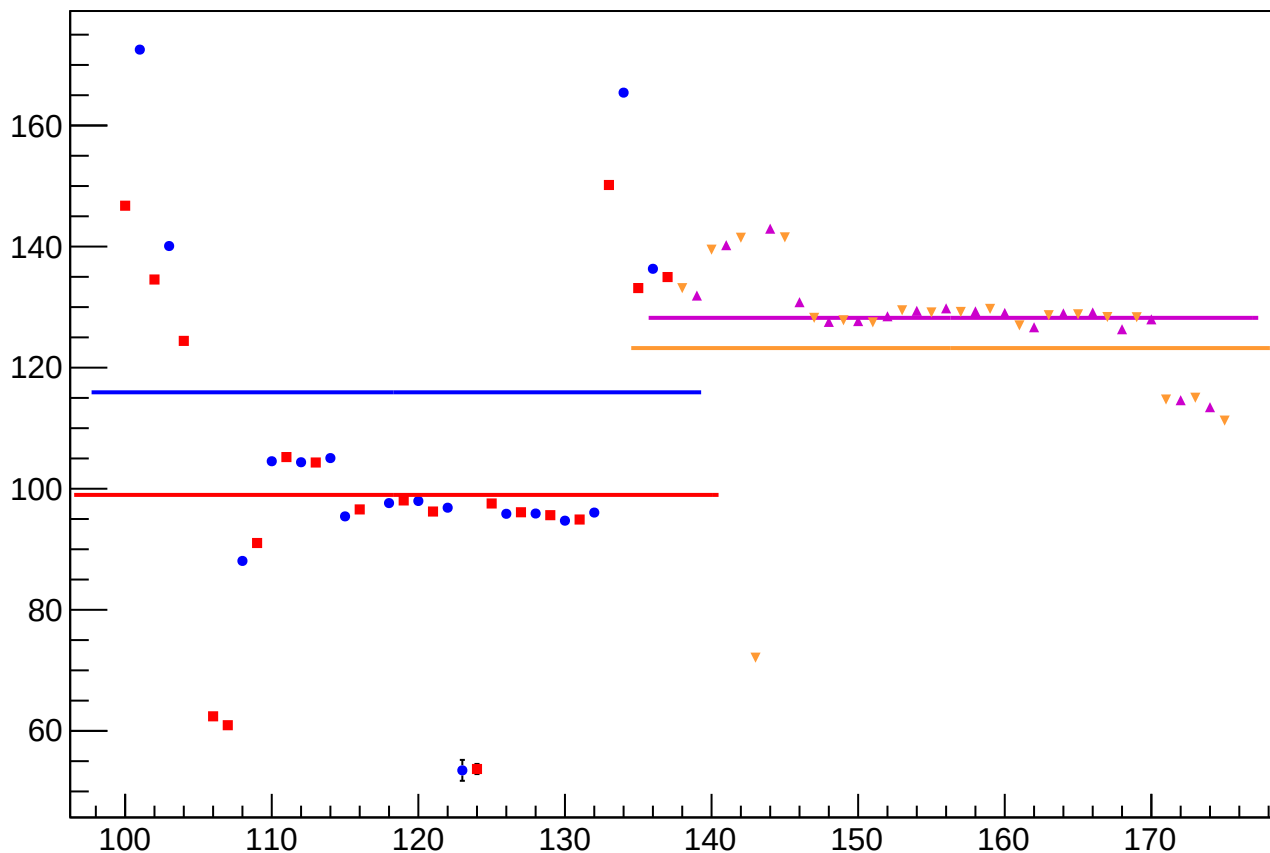
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -82.494 ± 0.776 χ^2/NDF : 1137.4/34

Out: -77.456 ± 0.720 χ^2/NDF : 1455.2/38

All: -79.785 ± 0.528 χ^2/NDF : 2615.3/73

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 123.233 $\pm$ 0.043 χ^2 /NDF:154291.4/19

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

Left In: 128.227 $\pm$ 0.045 χ^2 /NDF:23853.2/17

Left: 125.609 $\pm$ 0.031 χ^2 /NDF: 184692.2/37

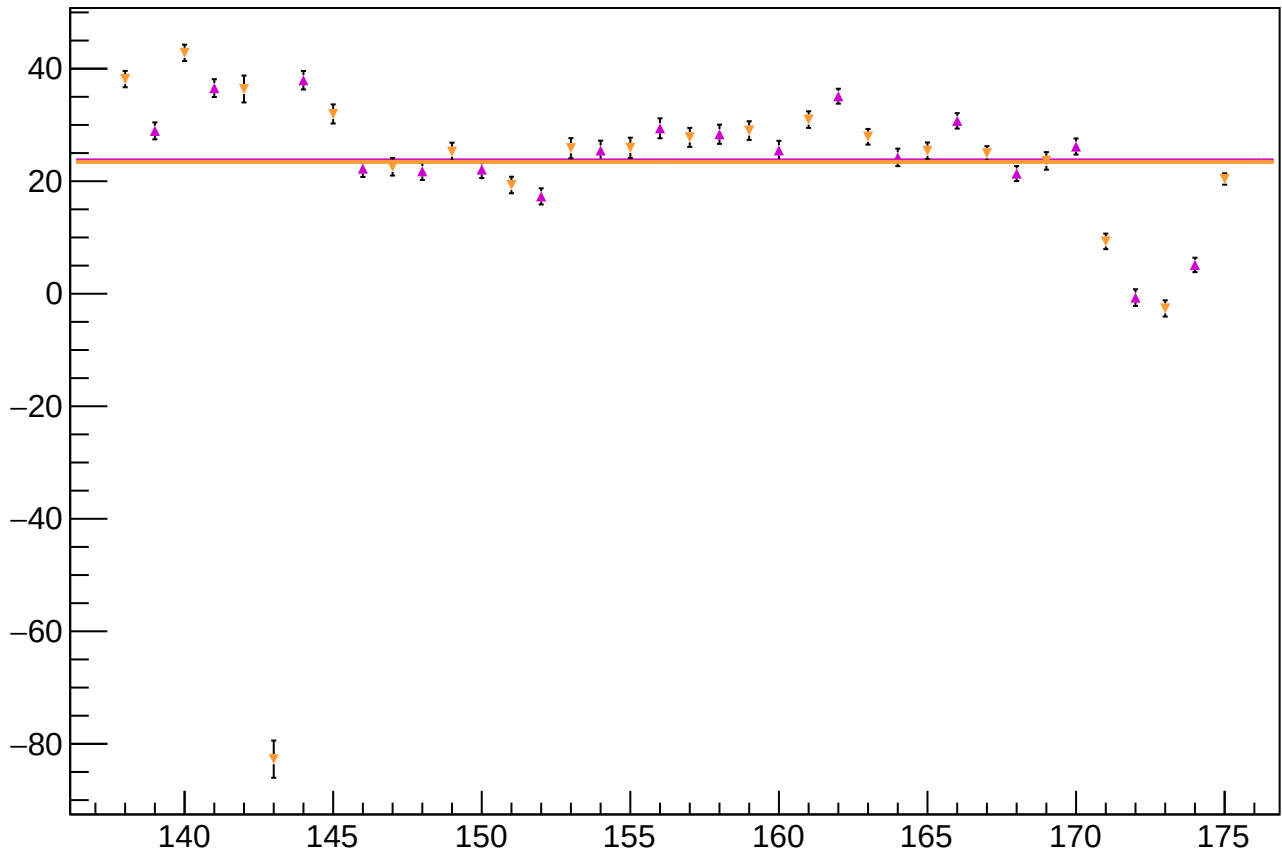
Right: 106.321 $\pm$ 0.052 χ^2 /NDF: 305233.1/35

In: 125.213 $\pm$ 0.039 χ^2 /NDF:148214.4/34

Out: 116.486 $\pm$ 0.036 χ^2 /NDF:417606.4/38

All: 120.540 $\pm$ 0.026 χ^2 /NDF: 592879.2/73

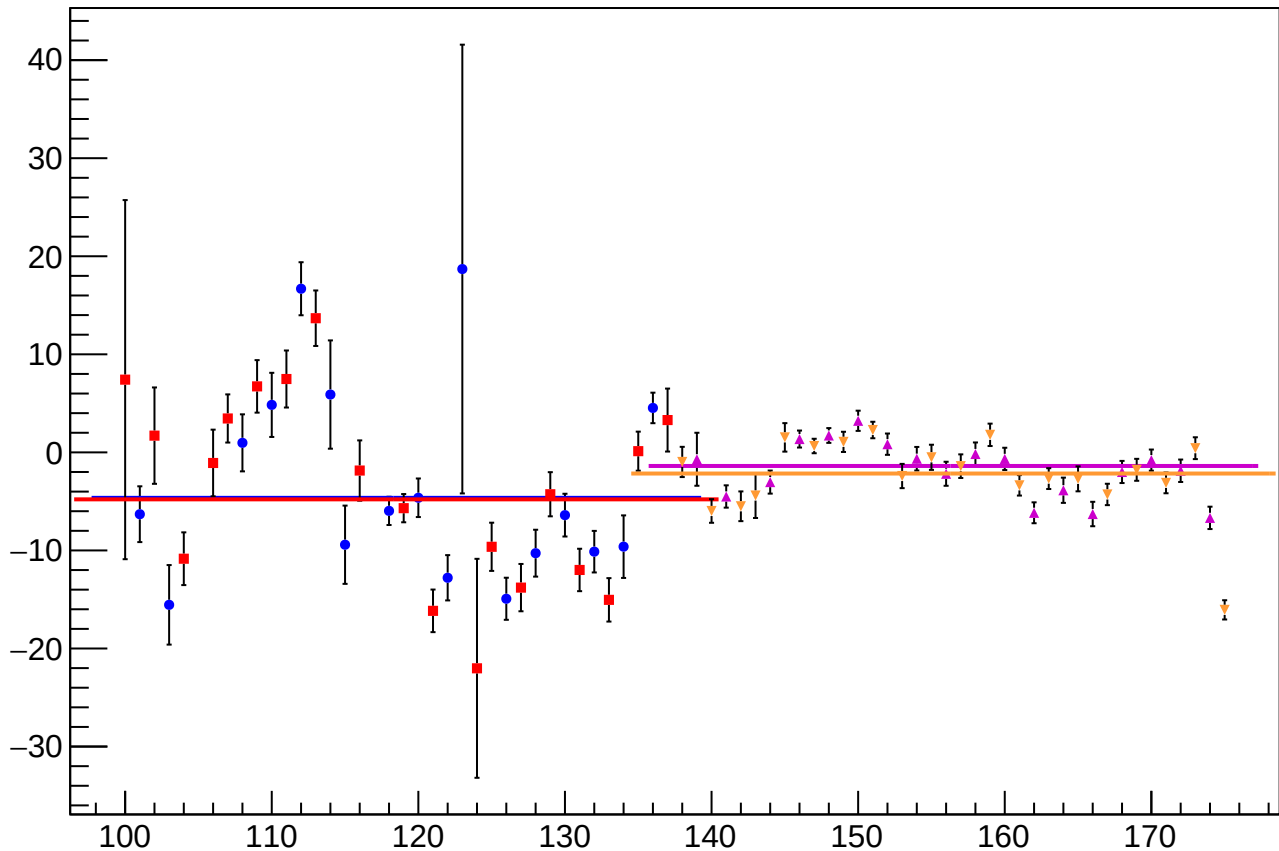
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 23.438 $\pm$ 0.341 χ^2 /NDF:1870.2/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 23.697 $\pm$ 0.355 χ^2 /NDF:782.2/17

Left: 23.562 $\pm$ 0.246 χ^2 /NDF: 2652.7/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 23.697 $\pm$ 0.355 χ^2 /NDF:782.2/17
 Out: 23.438 $\pm$ 0.341 χ^2 /NDF:1870.2/19
 All: 23.562 $\pm$ 0.246 χ^2 /NDF: 2652.7/37

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: -2.157 ± 0.251 χ^2/NDF : 301.7/19

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

Left In: -1.386 ± 0.261 χ^2/NDF : 124.6/17

Left: -1.787 ± 0.181 χ^2/NDF : 430.8/37

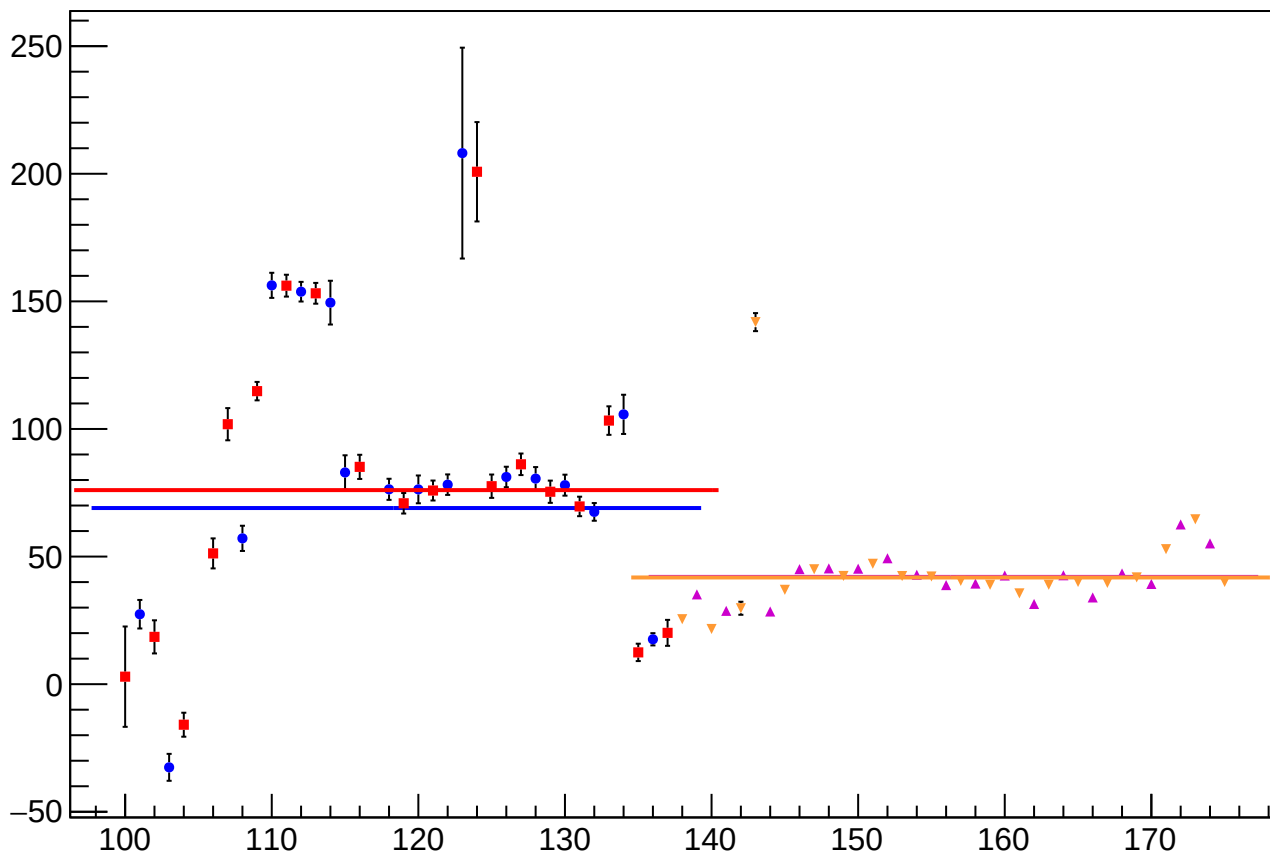
Right: -4.714 ± 0.414 χ^2/NDF : 367.0/35

In: -1.921 ± 0.239 χ^2/NDF : 324.6/34

Out: -2.566 ± 0.230 χ^2/NDF : 511.4/38

All: -2.255 ± 0.166 χ^2/NDF : 839.8/73

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 41.810+/-0.337 χ^2/NDF :1455.4/19

Right Out: 76.041+/-1.070 χ^2/NDF : 1881.9/18

Left In: 42.034+/-0.351 χ^2/NDF :569.3/17

Left: 41.918+/-0.243 χ^2/NDF : 2024.9/37

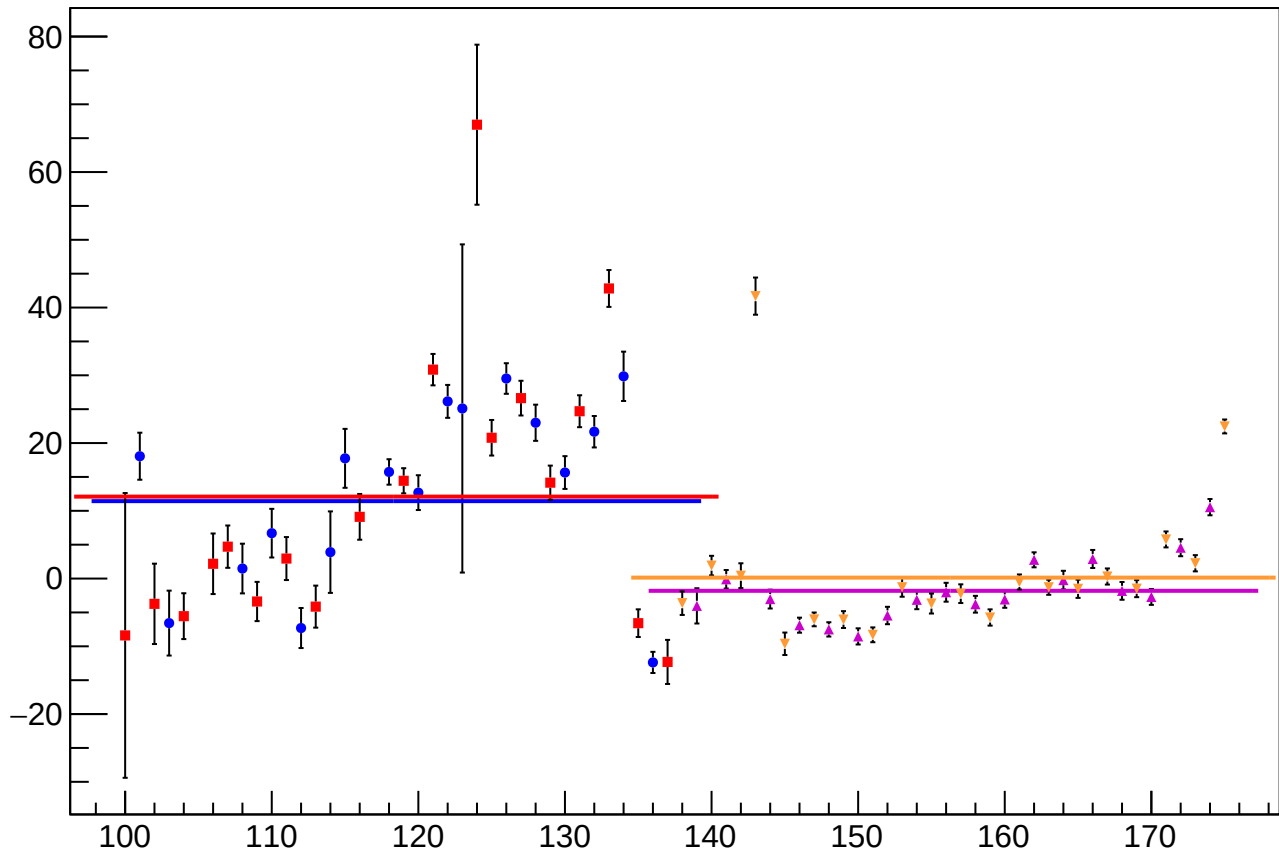
Right: 72.574+/-0.761 χ^2/NDF : 3751.2/35

In: 44.593+/-0.334 χ^2/NDF :2978.8/34

Out: 44.903+/-0.322 χ^2/NDF :4268.6/38

All: 44.753+/-0.232 χ^2/NDF : 7247.8/73

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 $\chi^2/\text{NDF}: 476.8/16$

Left Out: 0.140 ± 0.287 $\chi^2/\text{NDF}: 929.3/19$

Right Out: 12.095 ± 0.664 $\chi^2/\text{NDF}: 539.1/18$

Left In: -1.809 ± 0.300 $\chi^2/\text{NDF}: 260.1/17$

Left: -0.792 ± 0.207 $\chi^2/\text{NDF}: 1211.5/37$

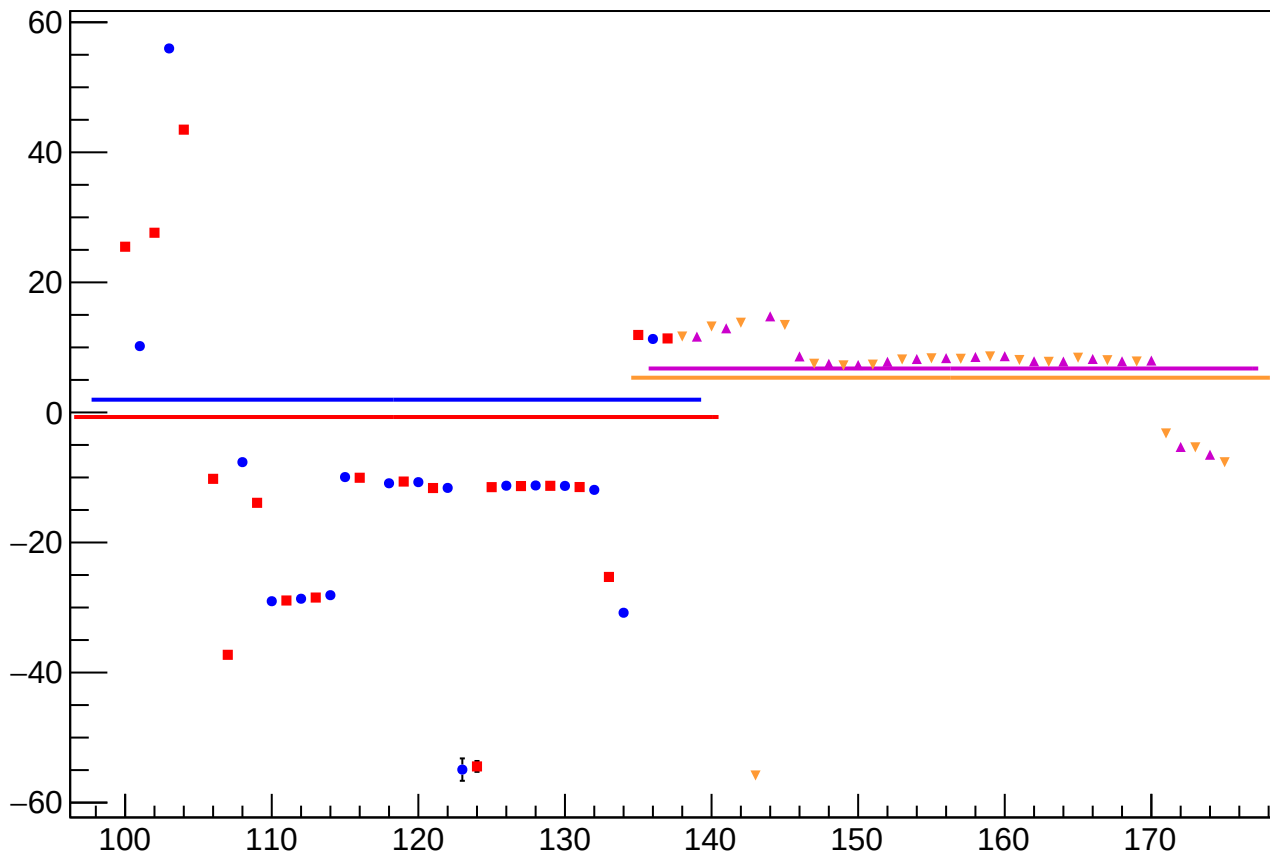
Right: 11.762 ± 0.470 $\chi^2/\text{NDF}: 1016.4/35$

In: 0.426 ± 0.273 $\chi^2/\text{NDF}: 1065.7/34$

Out: 2.024 ± 0.264 $\chi^2/\text{NDF}: 1741.6/38$

All: 1.255 ± 0.190 $\chi^2/\text{NDF}: 2825.0/73$

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 ± 0.037 χ^2/NDF : 358457.0/16

Left Out: 5.340 ± 0.013 χ^2/NDF : 396024.4/19

Right Out: -0.704 ± 0.037 χ^2/NDF : 361168.6/18

Left In: 6.757 ± 0.014 χ^2/NDF : 152782.8/17

Left: 6.035 ± 0.010 χ^2/NDF : 554358.6/37

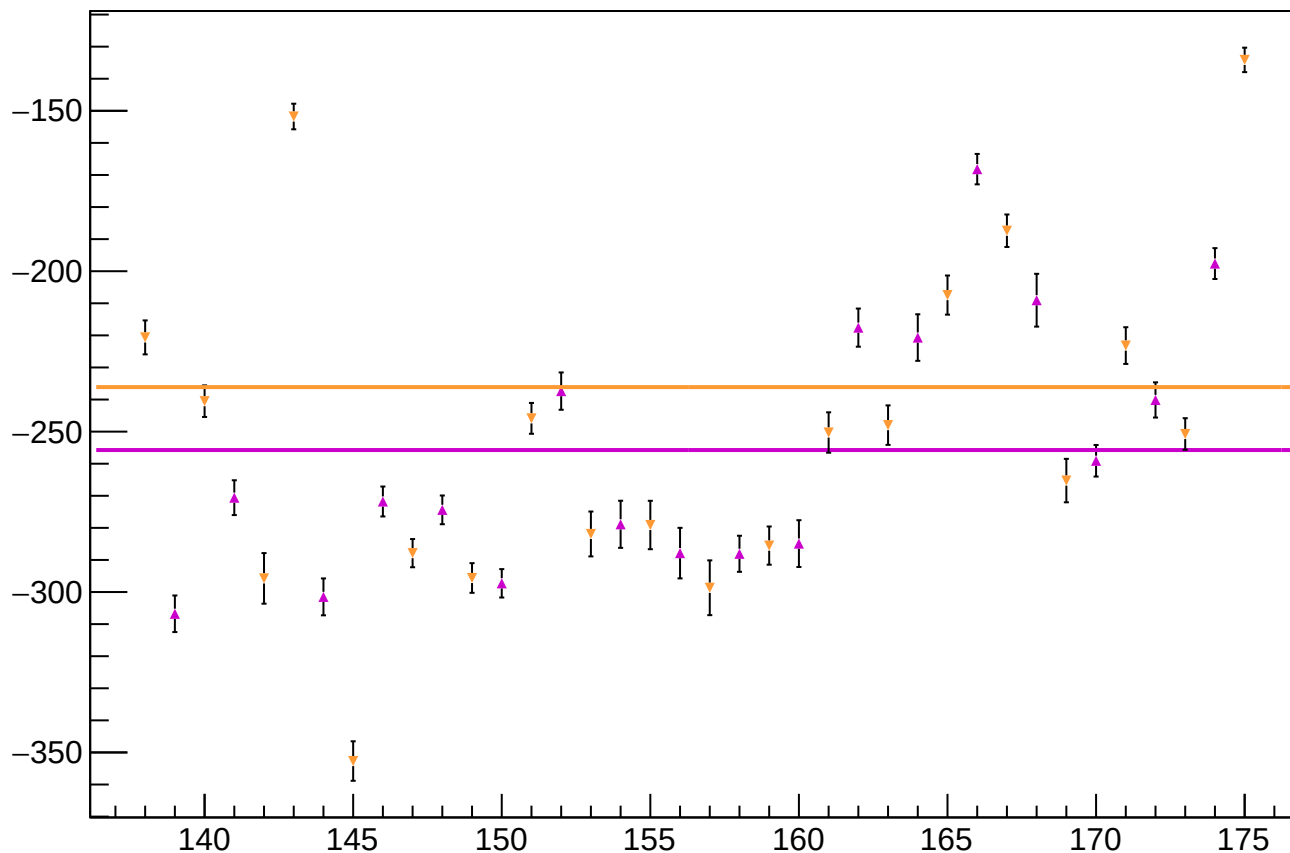
Right: 0.627 ± 0.026 χ^2/NDF : 722198.2/35

In: 6.192 ± 0.013 χ^2/NDF : 525951.8/34

Out: 4.651 ± 0.013 χ^2/NDF : 780681.7/38

All: 5.408 ± 0.009 χ^2/NDF : 1314060.9/73

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -236.121 ± 1.209 $\chi^2/\text{NDF}: 2250.9/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -255.740 ± 1.312 $\chi^2/\text{NDF}: 946.0/17$

Left: -245.129 ± 0.889 $\chi^2/\text{NDF}: 3317.8/37$

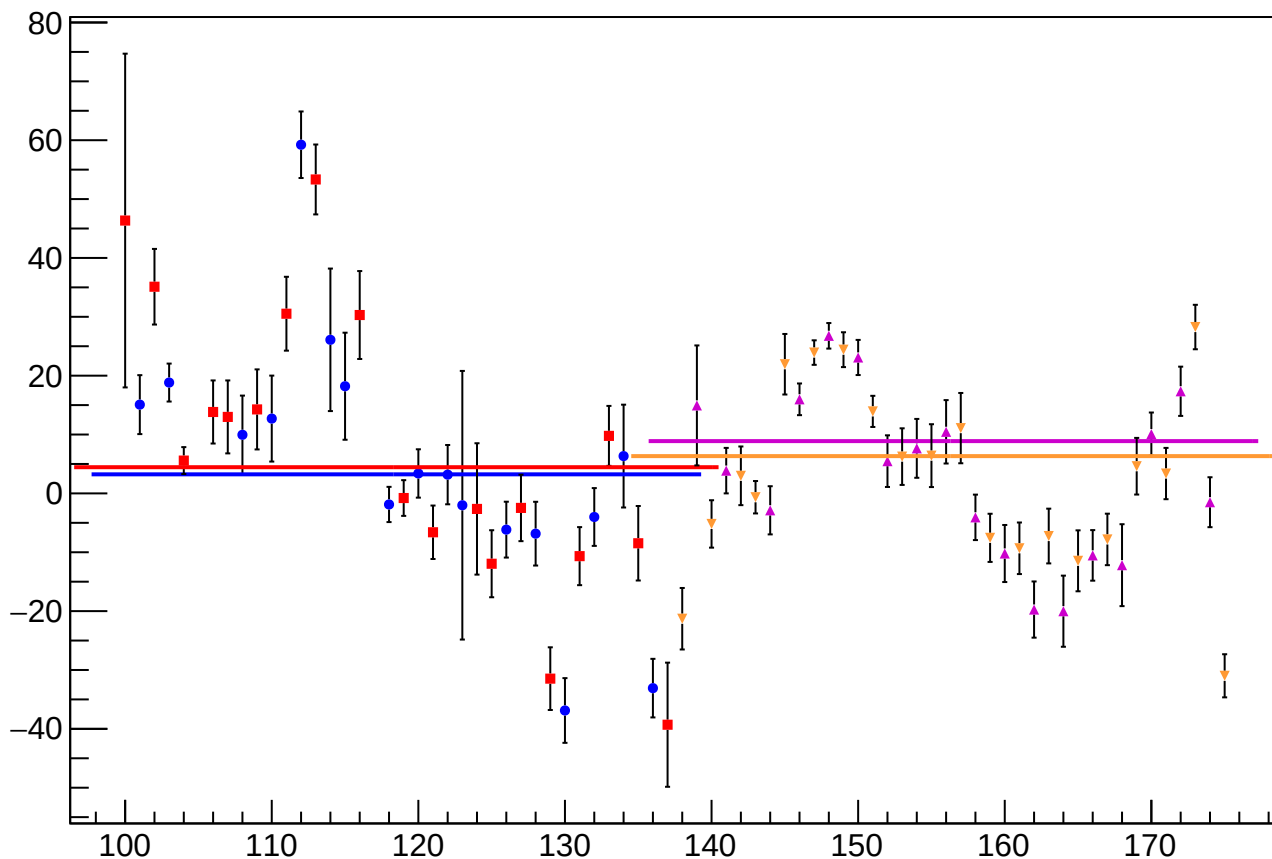
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -255.740 ± 1.312 $\chi^2/\text{NDF}: 946.0/17$

Out: -236.121 ± 1.209 $\chi^2/\text{NDF}: 2250.9/19$

All: -245.129 ± 0.889 $\chi^2/\text{NDF}: 3317.8/37$

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: 6.333 ± 0.848 $\chi^2/\text{NDF}: 363.1/19$

Right Out: 4.450 ± 1.157 $\chi^2/\text{NDF}: 225.8/18$

Left In: 8.882 ± 0.925 $\chi^2/\text{NDF}: 234.0/17$

Left: 7.496 ± 0.625 $\chi^2/\text{NDF}: 601.1/37$

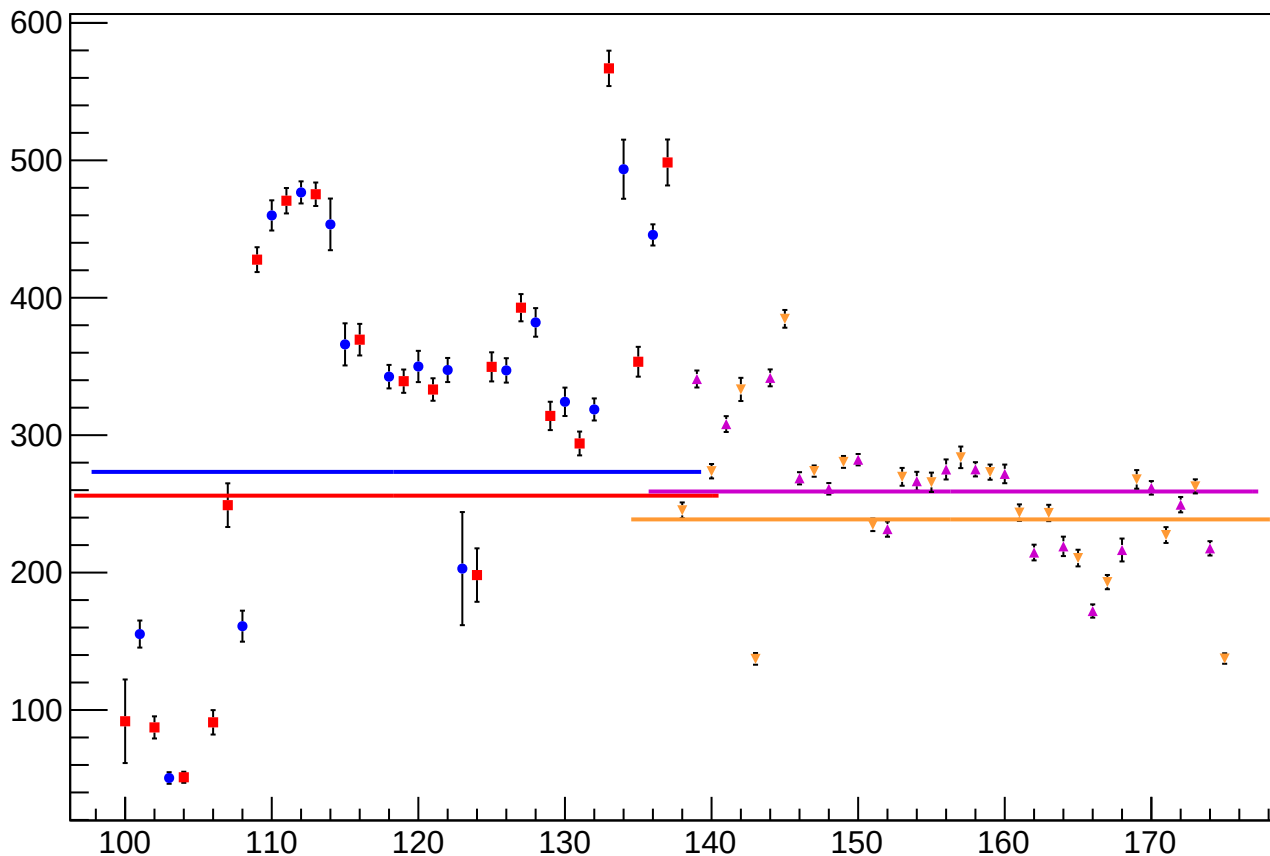
Right: 3.887 ± 0.847 $\chi^2/\text{NDF}: 481.6/35$

In: 6.871 ± 0.742 $\chi^2/\text{NDF}: 502.5/34$

Out: 5.675 ± 0.684 $\chi^2/\text{NDF}: 590.5/38$

All: 6.224 ± 0.503 $\chi^2/\text{NDF}: 1094.4/73$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276+/-2.205 χ^2/NDF : 5101.5/16

Left Out: 238.696+/-1.201 χ^2/NDF : 2381.6/19

Right Out: 255.985+/-2.080 χ^2/NDF : 6438.4/18

Left In: 259.008+/-1.294 χ^2/NDF : 1016.5/17

Left: 248.095+/-0.880 χ^2/NDF : 3530.4/37

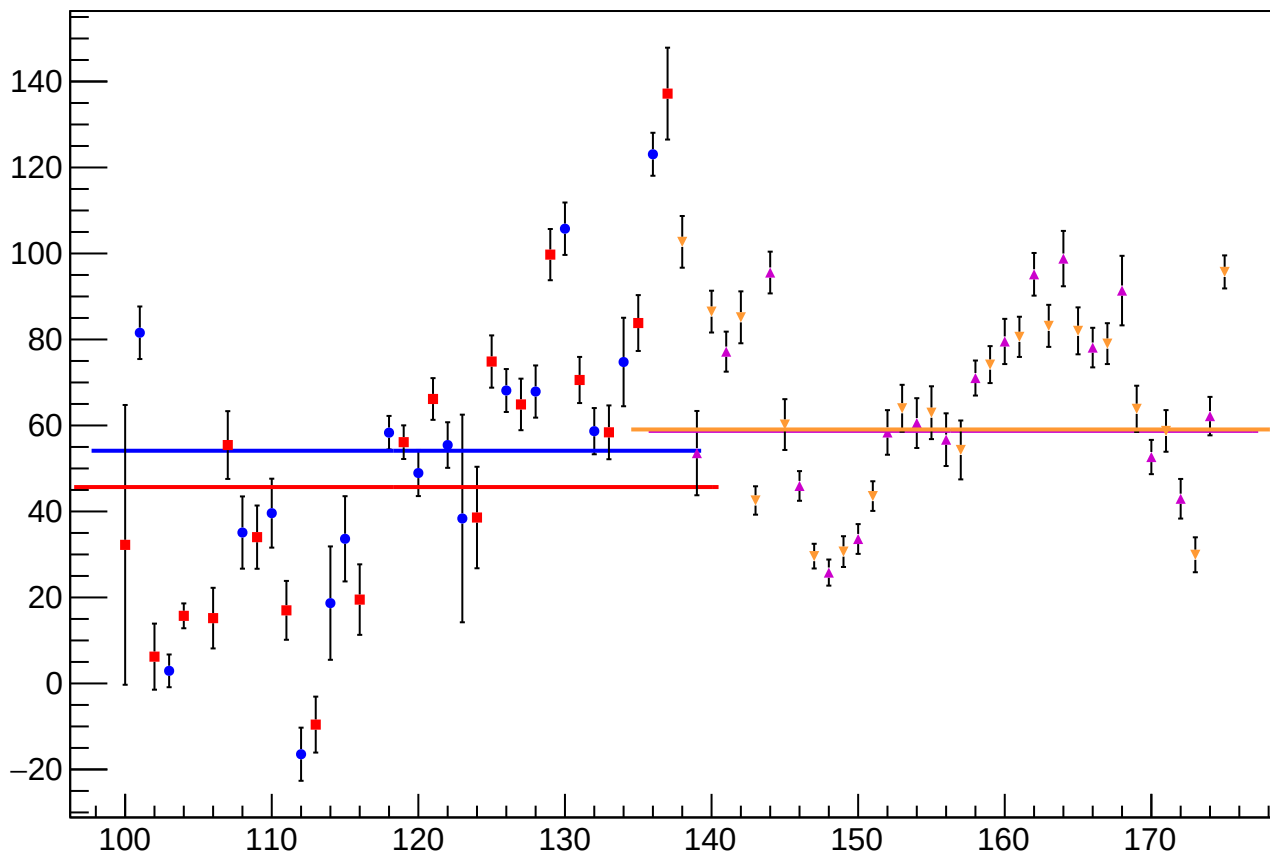
Right: 264.127+/-1.513 χ^2/NDF : 11572.5/35

In: 262.665+/-1.116 χ^2/NDF : 6149.2/34

Out: 243.021+/-1.040 χ^2/NDF : 8871.8/38

All: 252.151+/-0.761 χ^2/NDF : 15186.8/73

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: 59.070 $\pm$ 0.996 χ^2 /NDF:554.5/19

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

Left In: 58.738 $\pm$ 1.083 χ^2 /NDF:424.0/17

Left: 58.918 $\pm$ 0.733 χ^2 /NDF: 978.5/37

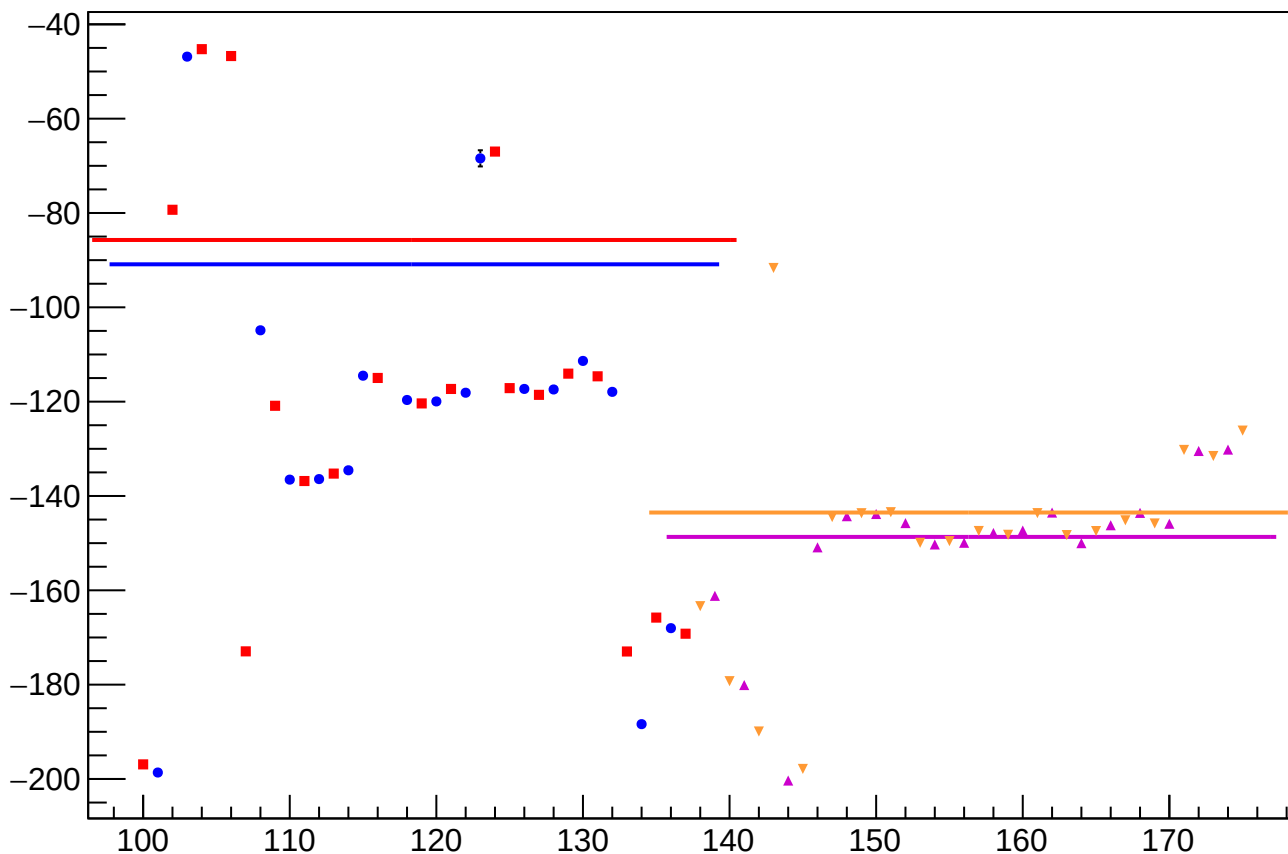
Right: 49.654 $\pm$ 0.987 χ^2 /NDF: 1183.2/35

In: 57.066 $\pm$ 0.865 χ^2 /NDF:1064.5/34

Out: 54.380 $\pm$ 0.803 χ^2 /NDF:1148.8/38

All: 55.623 $\pm$ 0.589 χ^2 /NDF: 2218.5/73

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 $\pm$ 0.068 χ^2 /NDF: 533423.8/16

Left Out: -143.508 $\pm$ 0.048 χ^2 /NDF: 208317.6/19

Right Out: -85.722 $\pm$ 0.065 χ^2 /NDF: 494183.1/18

Left In: -148.676 $\pm$ 0.051 χ^2 /NDF: 79092.8/17

Left: -145.964 $\pm$ 0.035 χ^2 /NDF: 292821.9/37

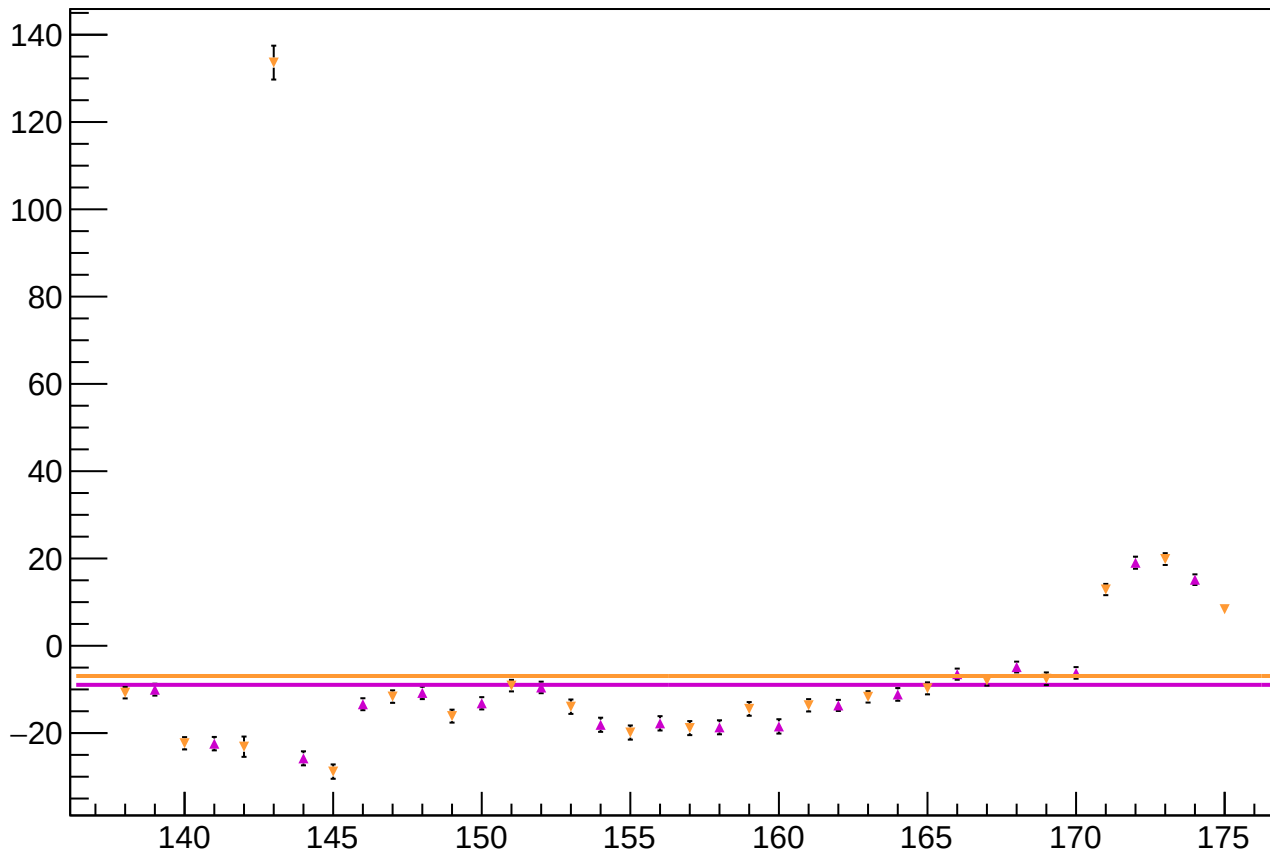
Right: -88.197 $\pm$ 0.047 χ^2 /NDF: 1030623.7/35

In: -127.832 $\pm$ 0.041 χ^2 /NDF: 1077727.3/34

Out: -122.905 $\pm$ 0.039 χ^2 /NDF: 1210025.5/38

All: -125.255 $\pm$ 0.028 χ^2 /NDF: 2295424.0/73

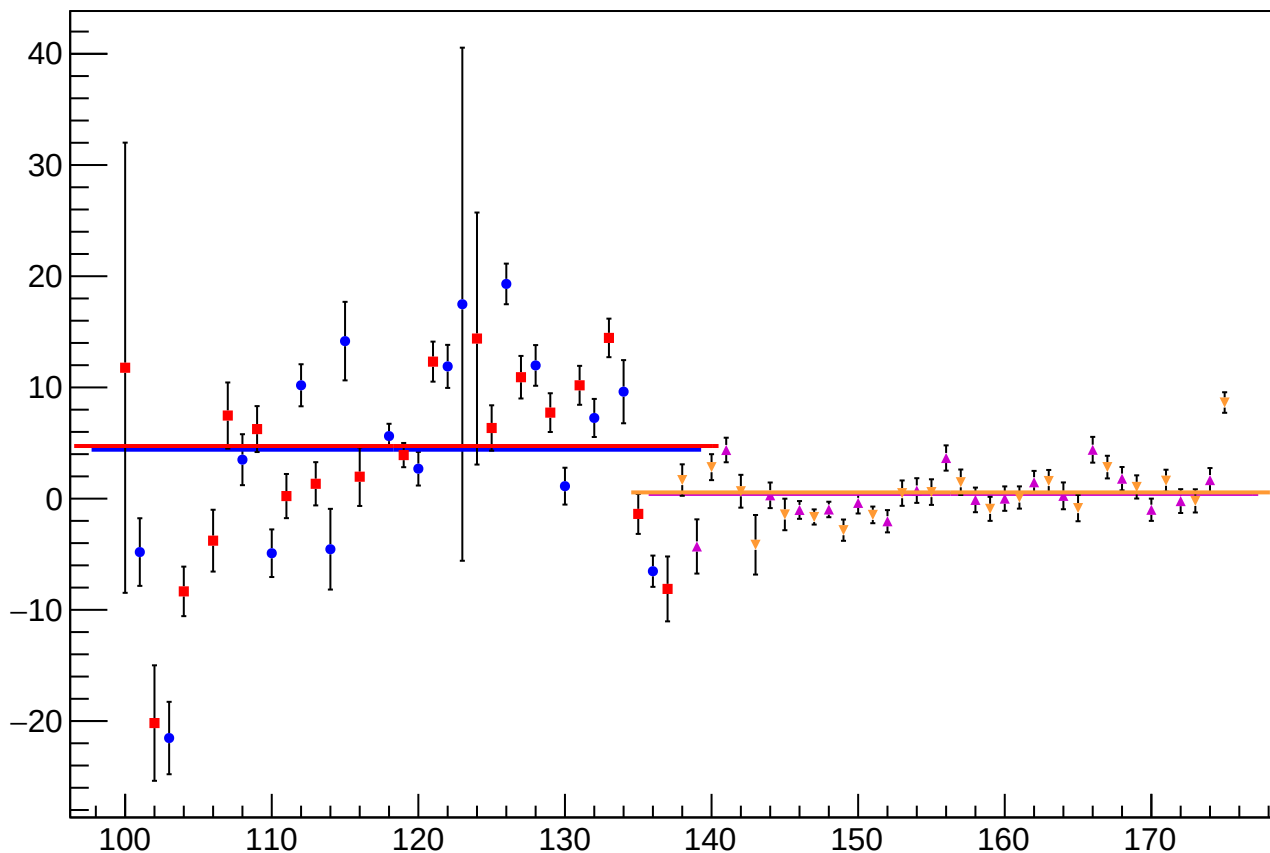
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.925+/-0.319 χ^2/NDF : 2801.4/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.952+/-0.332 χ^2/NDF : 1173.3/17

Left: -7.899+/-0.230 χ^2/NDF : 3994.0/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.952+/-0.332 χ^2/NDF : 1173.3/17
 Out: -6.925+/-0.319 χ^2/NDF : 2801.4/19
 All: -7.899+/-0.230 χ^2/NDF : 3994.0/37

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 $\chi^2/\text{NDF}: 286.8/16$

Left Out: 0.561 ± 0.234 $\chi^2/\text{NDF}: 128.4/19$

Right Out: 4.732 ± 0.473 $\chi^2/\text{NDF}: 182.9/18$

Left In: 0.424 ± 0.245 $\chi^2/\text{NDF}: 57.4/17$

Left: 0.496 ± 0.169 $\chi^2/\text{NDF}: 185.9/37$

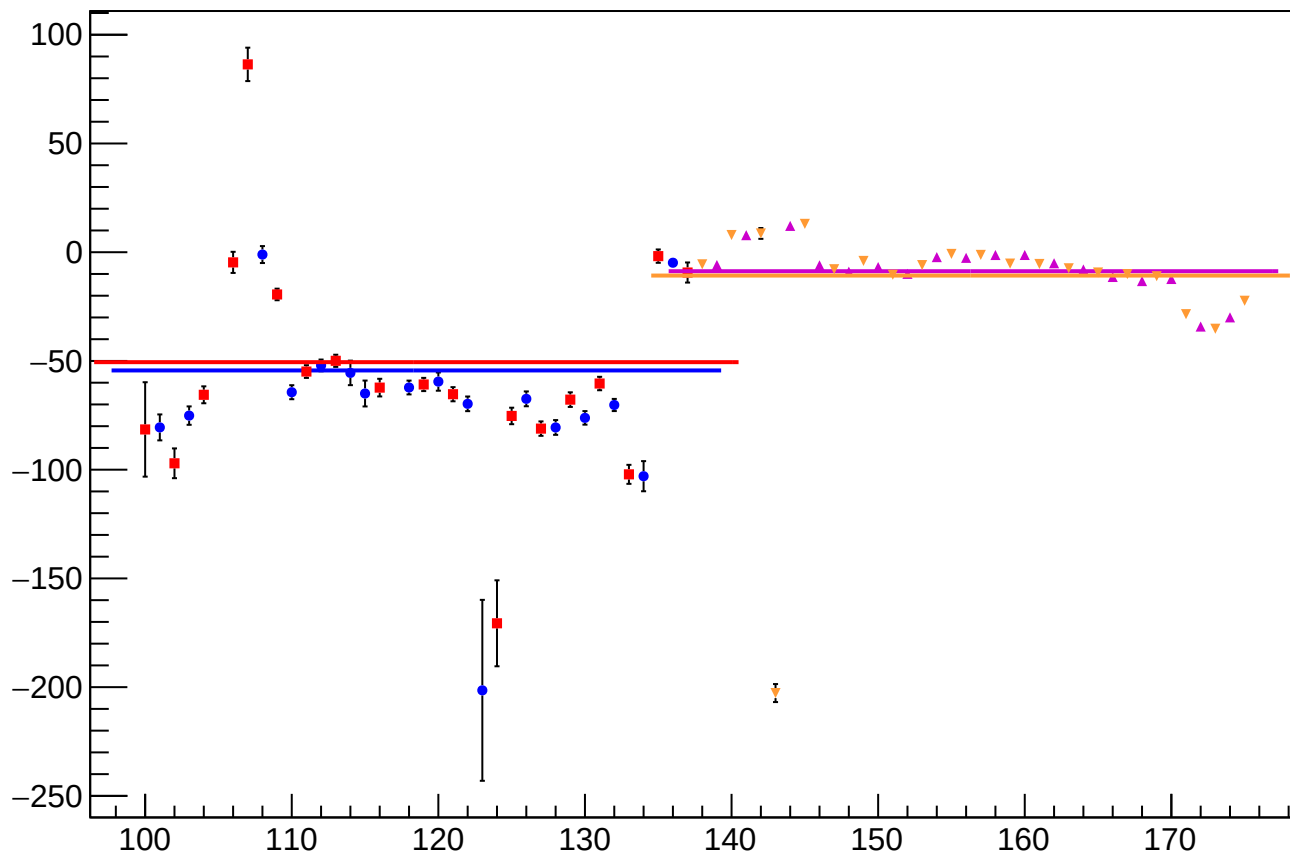
Right: 4.565 ± 0.334 $\chi^2/\text{NDF}: 470.0/35$

In: 1.268 ± 0.217 $\chi^2/\text{NDF}: 400.3/34$

Out: 1.382 ± 0.210 $\chi^2/\text{NDF}: 373.7/38$

All: 1.327 ± 0.151 $\chi^2/\text{NDF}: 774.1/73$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 $\pm$ 0.868 χ^2 /NDF: 1013.5/16

Left Out: -10.734 $\pm$ 0.315 χ^2 /NDF:3362.8/19

Right Out: -50.554 $\pm$ 0.858 χ^2 /NDF: 1321.3/18

Left In: -8.734 $\pm$ 0.328 χ^2 /NDF:959.4/17

Left: -9.773 $\pm$ 0.227 χ^2 /NDF: 4341.5/37

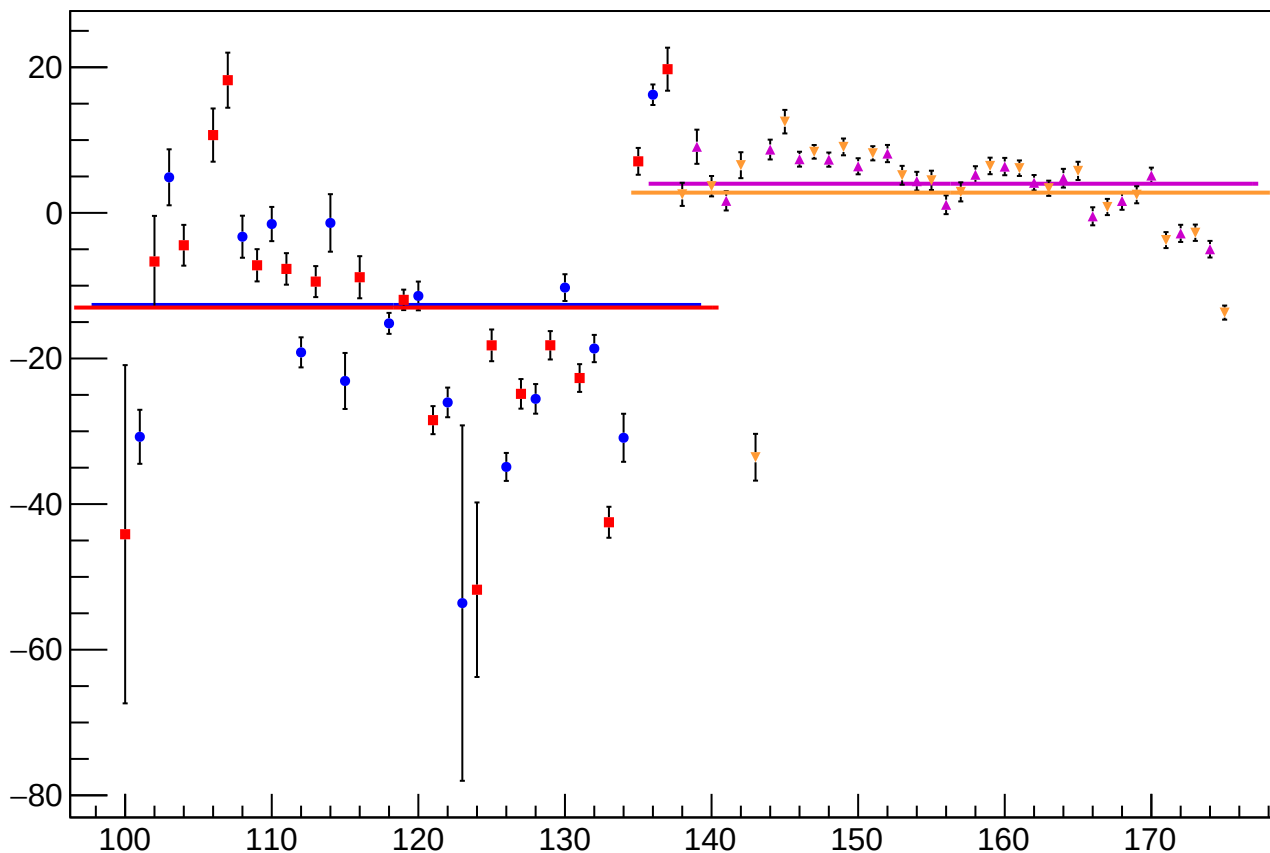
Right: -52.436 $\pm$ 0.610 χ^2 /NDF: 2344.5/35

In: -14.435 $\pm$ 0.307 χ^2 /NDF:4389.9/34

Out: -15.482 $\pm$ 0.296 χ^2 /NDF:6583.4/38

All: -14.977 $\pm$ 0.213 χ^2 /NDF: 10979.3/73

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 $\pm$ 0.536 χ^2 /NDF: 788.4/16

Left Out: 2.781 $\pm$ 0.269 χ^2 /NDF:649.5/19

Right Out: -13.005 $\pm$ 0.538 χ^2 /NDF: 721.4/18

Left In: 4.004 $\pm$ 0.281 χ^2 /NDF:183.2/17

Left: 3.365 $\pm$ 0.194 χ^2 /NDF: 842.6/37

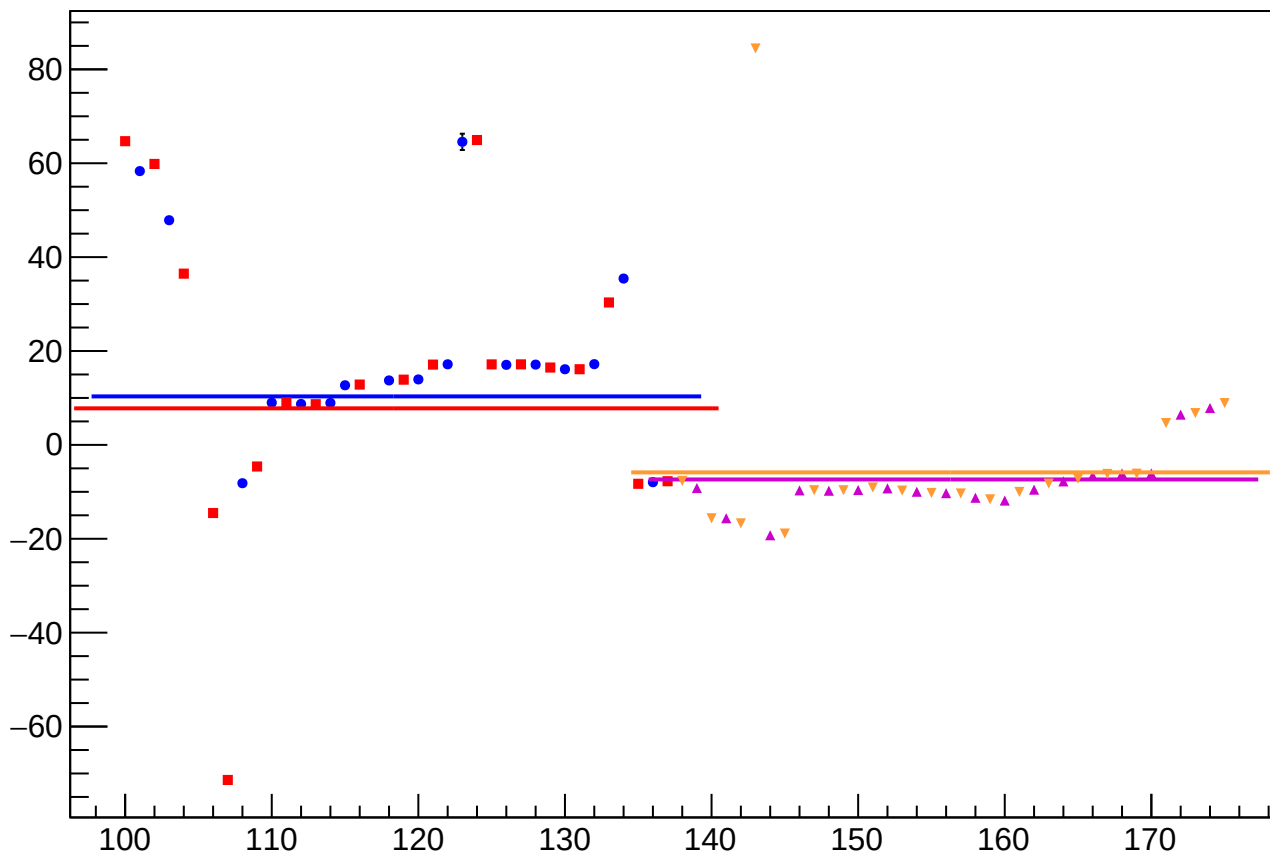
Right: -12.826 $\pm$ 0.380 χ^2 /NDF: 1510.1/35

In: 0.412 $\pm$ 0.249 χ^2 /NDF:1727.8/34

Out: -0.378 $\pm$ 0.240 χ^2 /NDF:2060.8/38

All: 0.003 $\pm$ 0.173 χ^2 /NDF: 3793.8/73

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 ± 0.031 $\chi^2/\text{NDF}: 380857.1/16$

Left Out: -5.855 ± 0.012 $\chi^2/\text{NDF}: 636445.6/19$

Right Out: 7.786 ± 0.031 $\chi^2/\text{NDF}: 544119.7/18$

Left In: -7.365 ± 0.013 $\chi^2/\text{NDF}: 245998.7/17$

Left: -6.596 ± 0.009 $\chi^2/\text{NDF}: 889652.2/37$

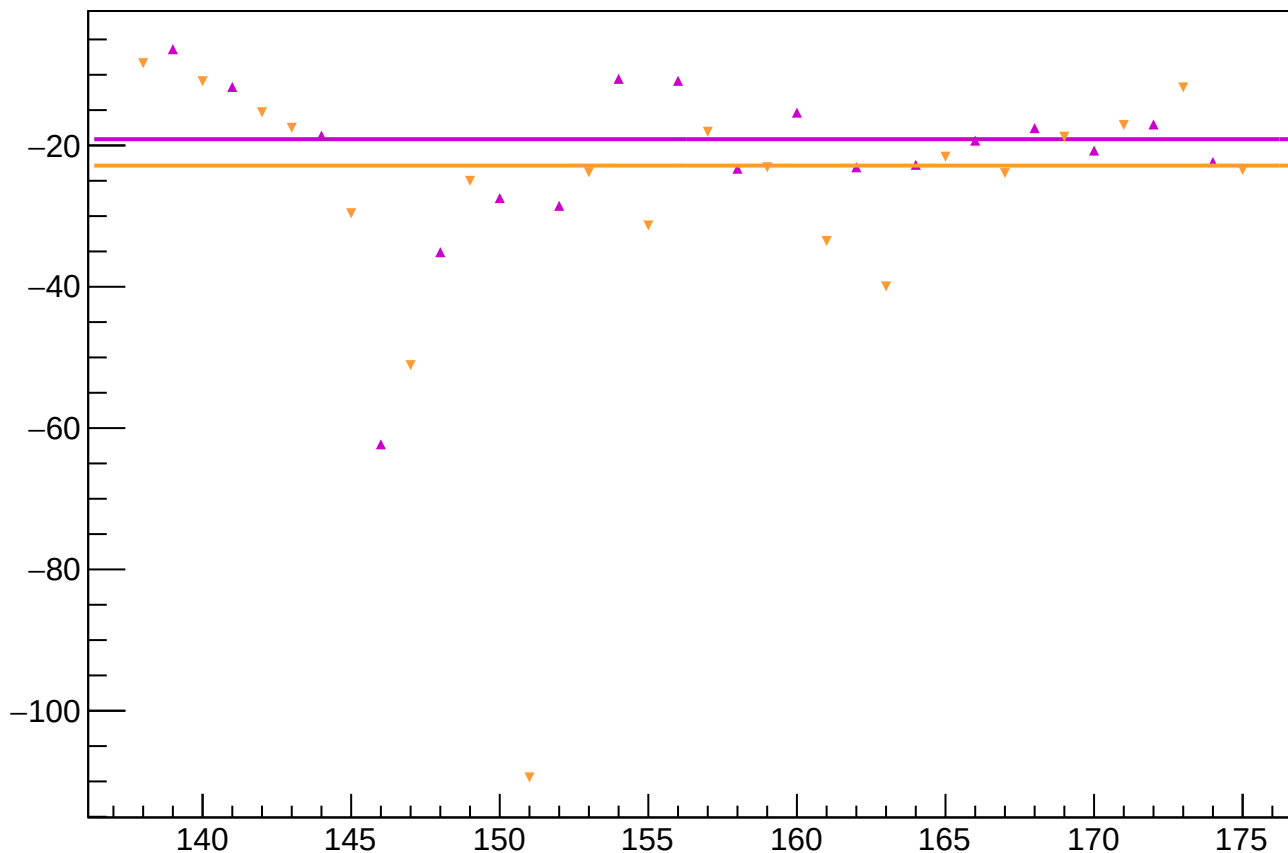
Right: 9.084 ± 0.022 $\chi^2/\text{NDF}: 928345.1/35$

In: -4.778 ± 0.012 $\chi^2/\text{NDF}: 910952.1/34$

Out: -3.991 ± 0.012 $\chi^2/\text{NDF}: 1344508.8/38$

All: -4.379 ± 0.008 $\chi^2/\text{NDF}: 2257741.2/73$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



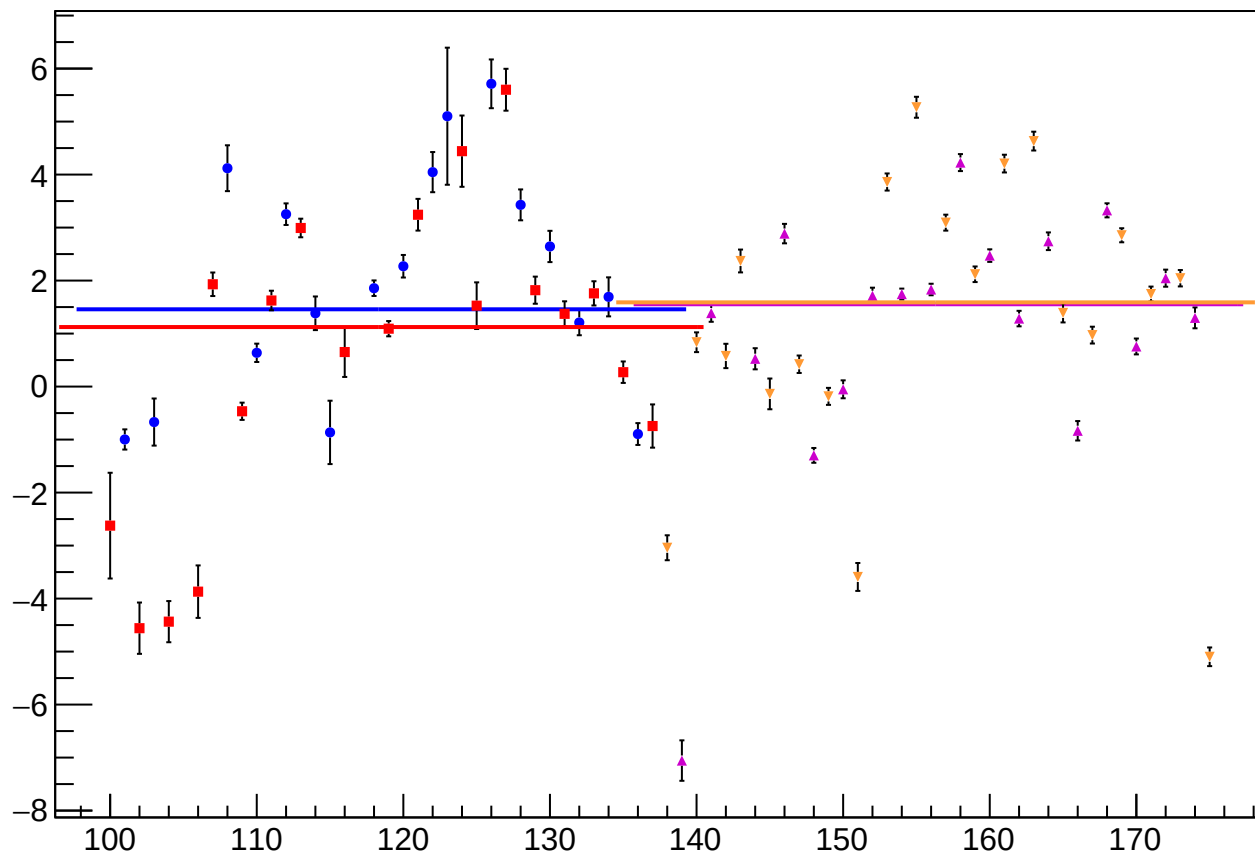
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -22.851 $\pm$ 0.051 χ^2/NDF : 62492.1/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -19.115 $\pm$ 0.048 χ^2/NDF : 37514.7/17

Left: -20.856 $\pm$ 0.035 χ^2/NDF : 102827.0/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -19.115 $\pm$ 0.048 χ^2/NDF : 37514.7/17
 Out: -22.851 $\pm$ 0.051 χ^2/NDF : 62492.1/19

All: -20.856 $\pm$ 0.035 χ^2/NDF : 102827.0/37

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: 1.589 $\pm$ 0.039 χ^2 /NDF:3786.4/19

Right Out: 1.123 $\pm$ 0.058 χ^2 /NDF: 947.4/18

Left In: 1.553 $\pm$ 0.036 χ^2 /NDF:1886.1/17

Left: 1.570 $\pm$ 0.026 χ^2 /NDF: 5672.9/37

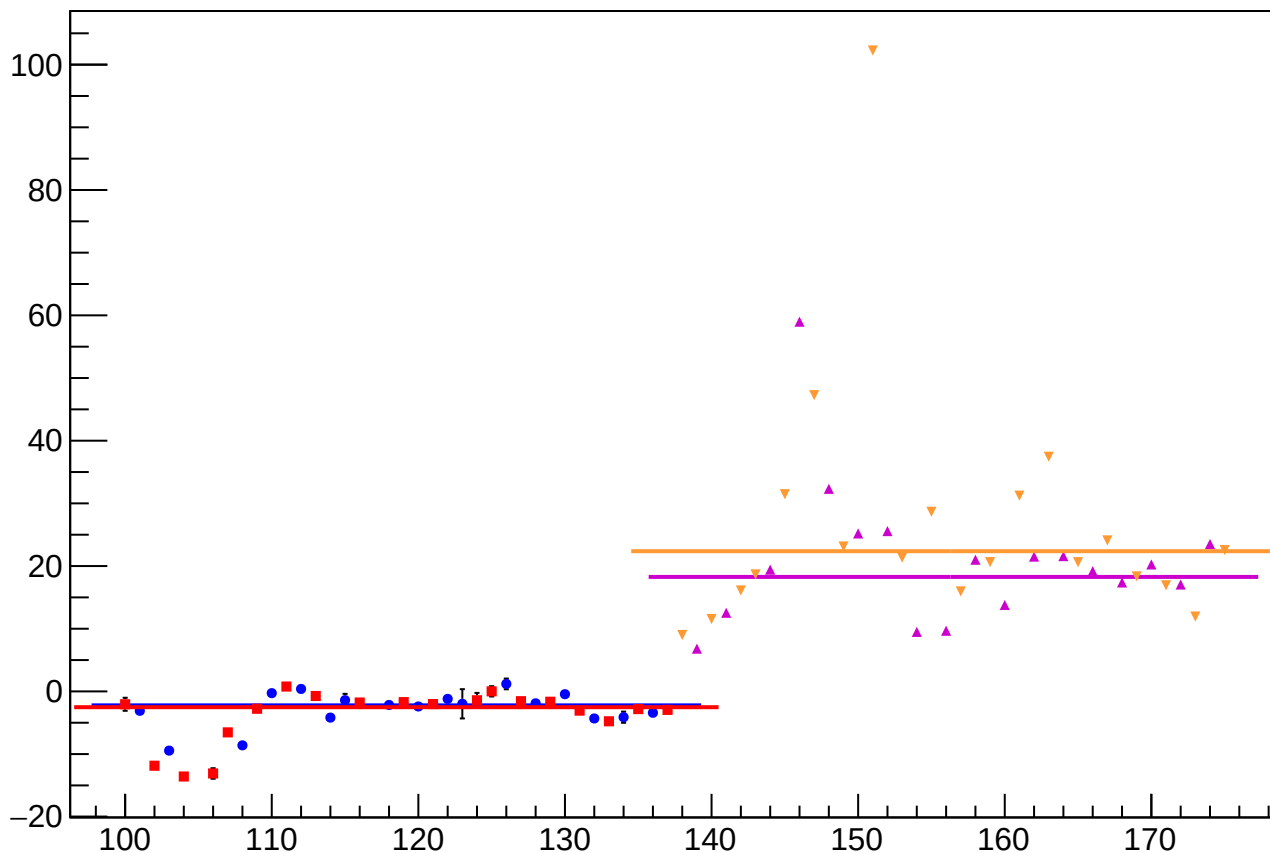
Right: 1.280 $\pm$ 0.042 χ^2 /NDF: 1661.2/35

In: 1.530 $\pm$ 0.031 χ^2 /NDF:2586.0/34

Out: 1.445 $\pm$ 0.032 χ^2 /NDF:4778.3/38

All: 1.489 $\pm$ 0.022 χ^2 /NDF: 7367.9/73

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: 22.370 ± 0.051 χ^2/NDF : 55677.9/19

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

Left In: 18.266 ± 0.047 χ^2/NDF : 35804.3/17

Left: 20.150 ± 0.035 χ^2/NDF : 94990.7/37

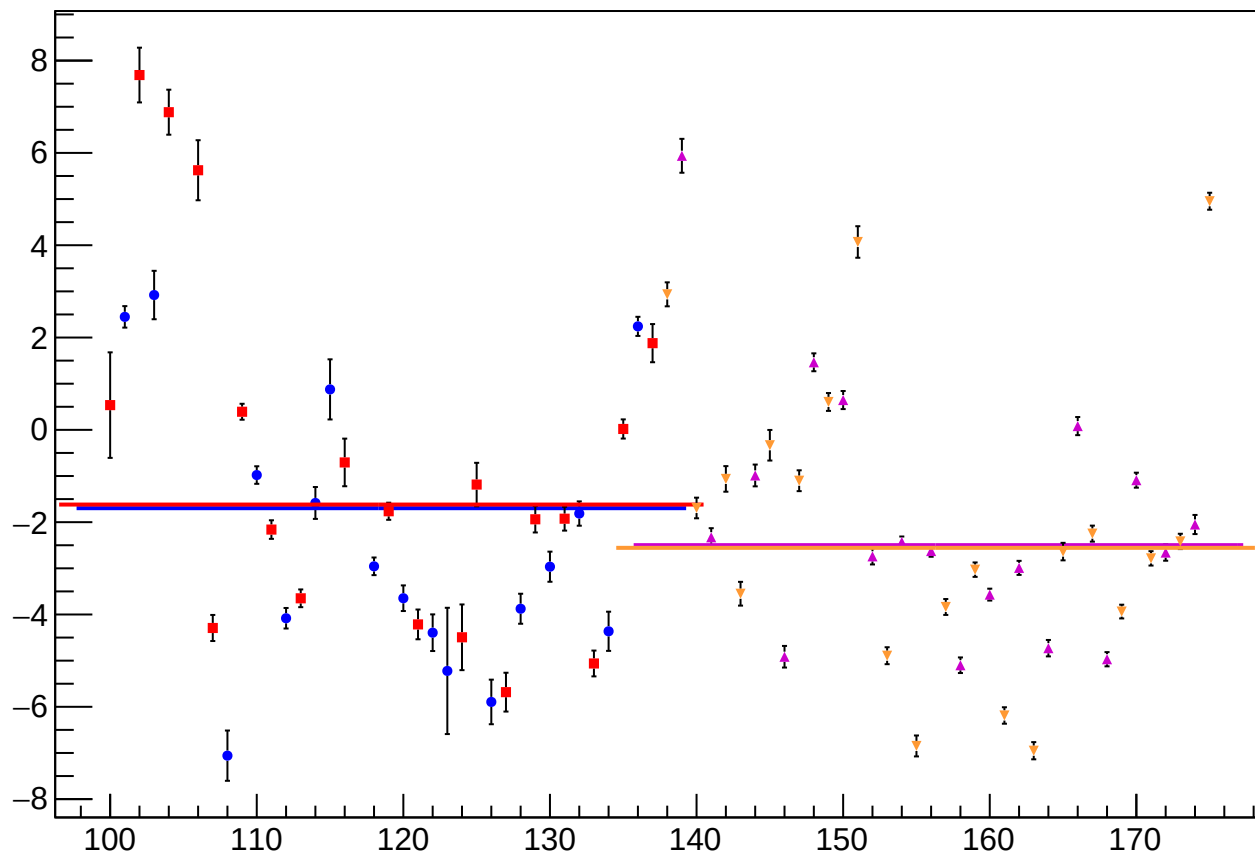
Right: -2.391 ± 0.074 χ^2/NDF : 1368.3/35

In: 15.169 ± 0.043 χ^2/NDF : 65064.2/34

Out: 17.156 ± 0.045 χ^2/NDF : 106571.7/38

All: 16.117 ± 0.031 χ^2/NDF : 172641.9/73

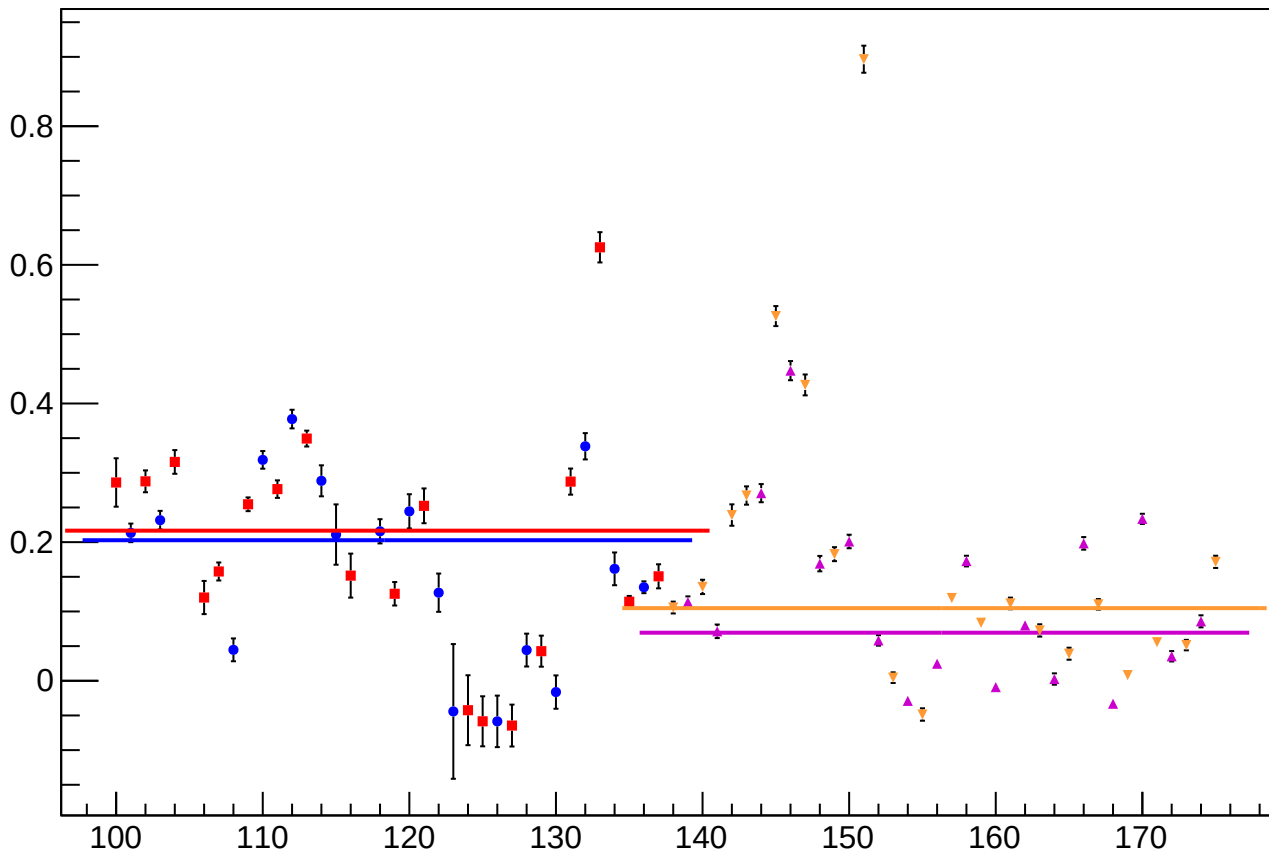
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16
 Left Out: -2.556 ± 0.044 χ^2/NDF : 4550.2/19
 Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18
 Left In: -2.498 ± 0.040 χ^2/NDF : 2339.0/17

Left: -2.524 ± 0.030 χ^2/NDF : 6890.2/37
 Right: -1.655 ± 0.048 χ^2/NDF : 2809.3/35
 In: -2.304 ± 0.035 χ^2/NDF : 3754.6/34
 Out: -2.269 ± 0.036 χ^2/NDF : 6180.8/38
 All: -2.287 ± 0.025 χ^2/NDF : 9935.9/73

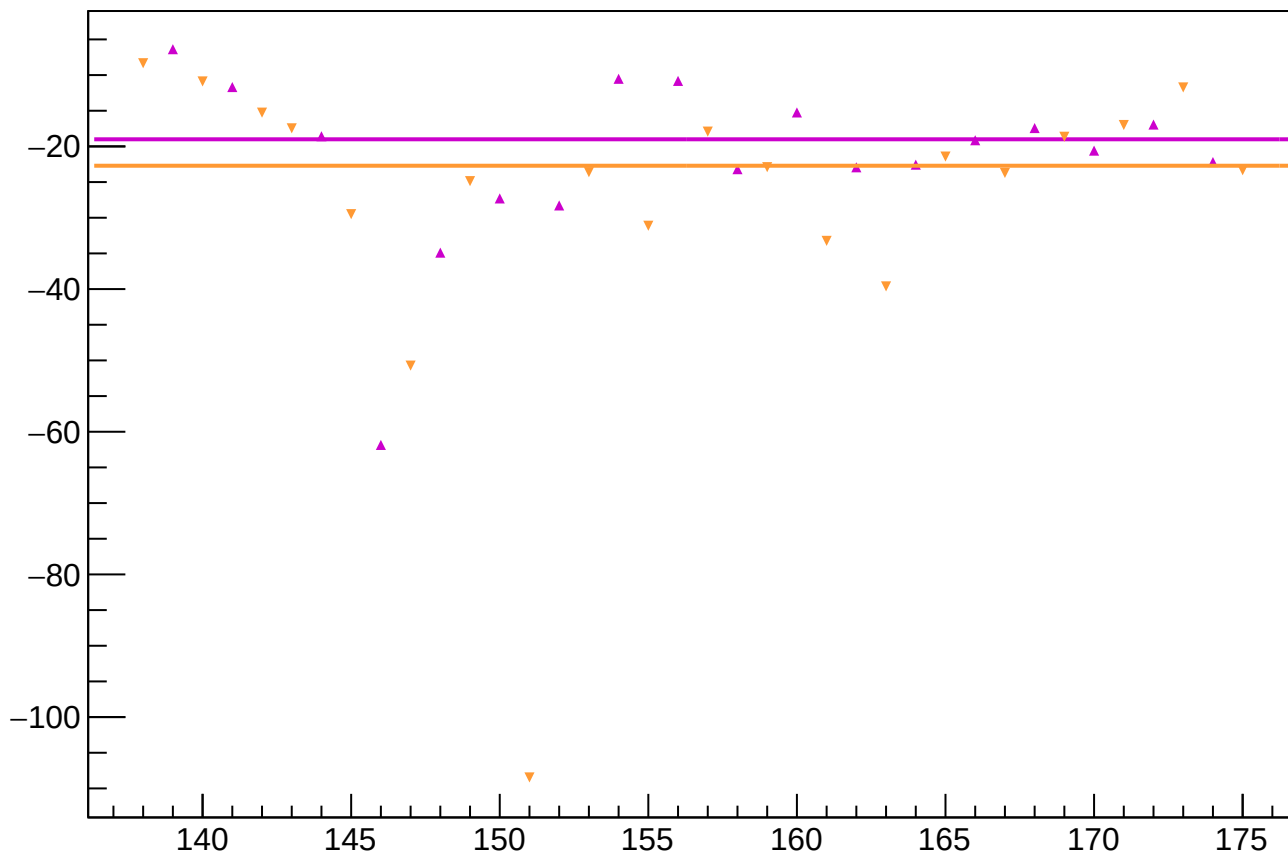
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16
 Left Out: 0.105 $\pm$ 0.002 χ^2 /NDF: 4161.3/19
 Right Out: 0.217 $\pm$ 0.004 χ^2 /NDF: 1064.4/18
 Left In: 0.069 $\pm$ 0.002 χ^2 /NDF: 3203.4/17

Left: 0.085 $\pm$ 0.001 χ^2 /NDF: 7546.4/37
 Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1747.1/35
 In: 0.089 $\pm$ 0.002 χ^2 /NDF: 4756.8/34
 Out: 0.129 $\pm$ 0.002 χ^2 /NDF: 5938.5/38
 All: 0.108 $\pm$ 0.001 χ^2 /NDF: 10979.9/73

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: -22.708+/-0.051 χ^2/NDF :62305.1/19

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

Left In: -19.002+/-0.048 χ^2/NDF :37422.9/17

Left: -20.729+/-0.035 χ^2/NDF : 102539.1/37

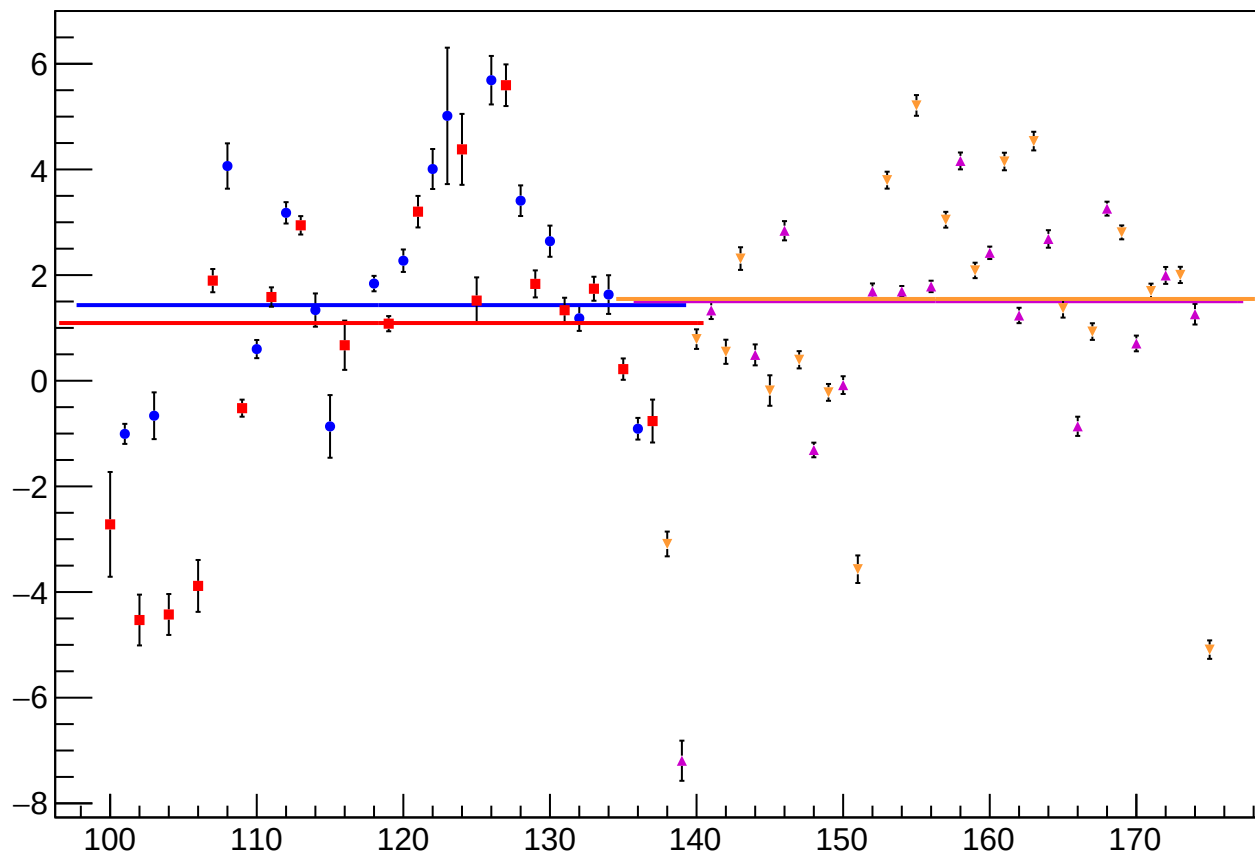
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.002+/-0.048 χ^2/NDF :37422.9/17

Out: -22.708+/-0.051 χ^2/NDF :62305.1/19

All: -20.729+/-0.035 χ^2/NDF : 102539.1/37

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: 1.548 $\pm$ 0.039 χ^2/NDF : 3785.3/19

Right Out: 1.092 $\pm$ 0.058 χ^2/NDF : 953.2/18

Left In: 1.506 $\pm$ 0.035 χ^2/NDF : 1895.6/17

Left: 1.525 $\pm$ 0.026 χ^2/NDF : 5681.6/37

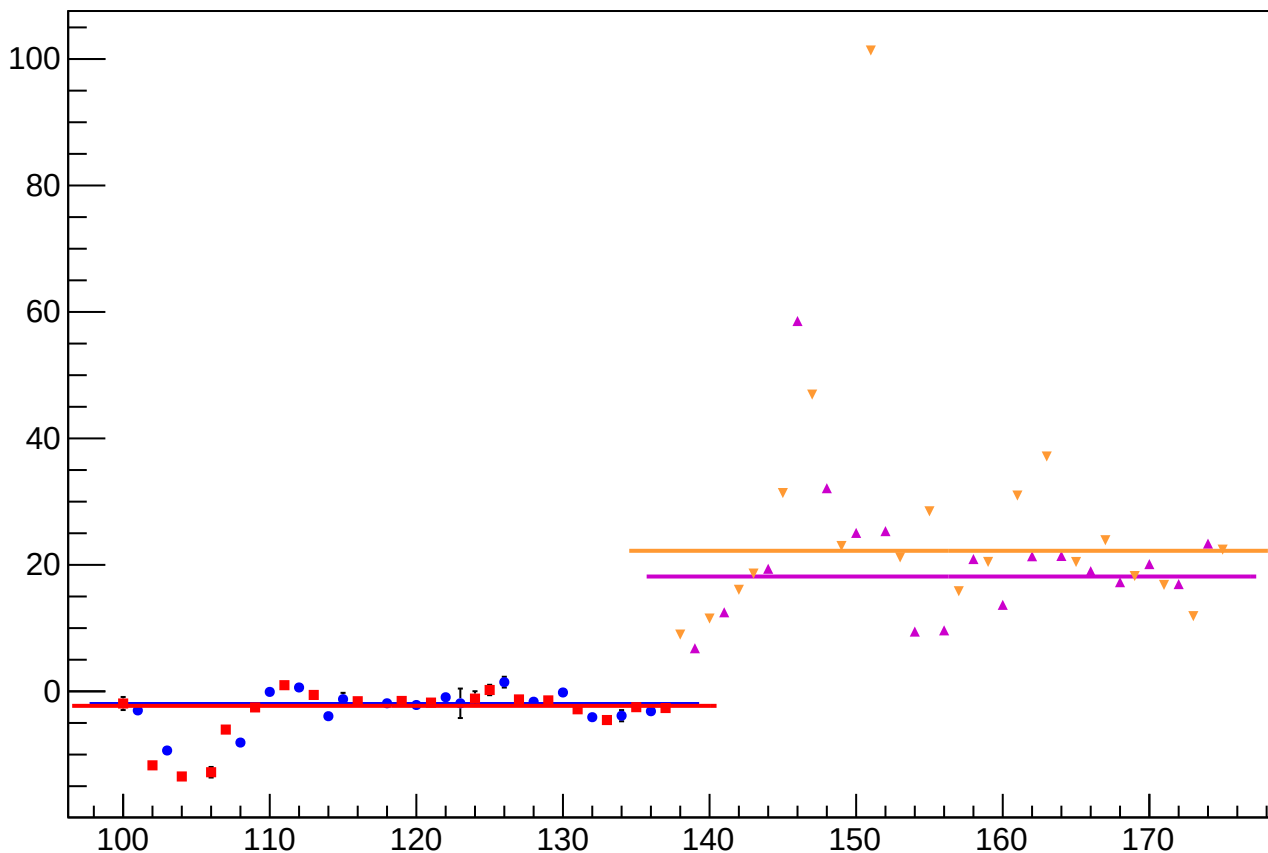
Right: 1.251 $\pm$ 0.042 χ^2/NDF : 1665.8/35

In: 1.487 $\pm$ 0.031 χ^2/NDF : 2593.2/34

Out: 1.408 $\pm$ 0.032 χ^2/NDF : 4781.4/38

All: 1.449 $\pm$ 0.022 χ^2/NDF : 7377.9/73

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: 22.227 ± 0.051 χ^2/NDF : 55530.9/19

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

Left In: 18.159 ± 0.047 χ^2/NDF : 35723.8/17

Left: 20.027 ± 0.034 χ^2/NDF : 94749.1/37

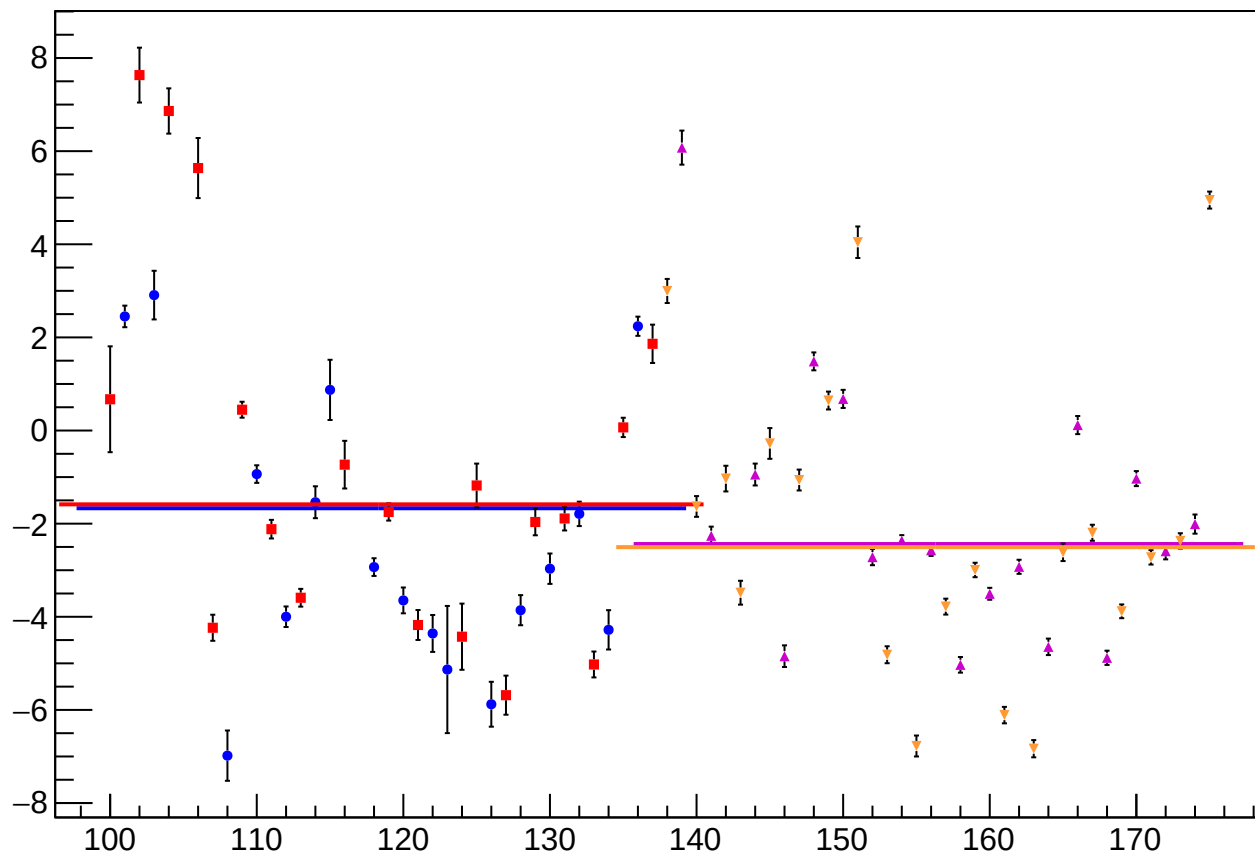
Right: -2.167 ± 0.074 χ^2/NDF : 1374.2/35

In: 15.119 ± 0.043 χ^2/NDF : 64354.1/34

Out: 17.101 ± 0.045 χ^2/NDF : 105504.8/38

All: 16.065 ± 0.031 χ^2/NDF : 170873.2/73

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: -2.504 ± 0.043 χ^2/NDF : 4547.4/19

Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18

Left In: -2.438 ± 0.040 χ^2/NDF : 2349.2/17

Left: -2.468 ± 0.029 χ^2/NDF : 6897.9/37

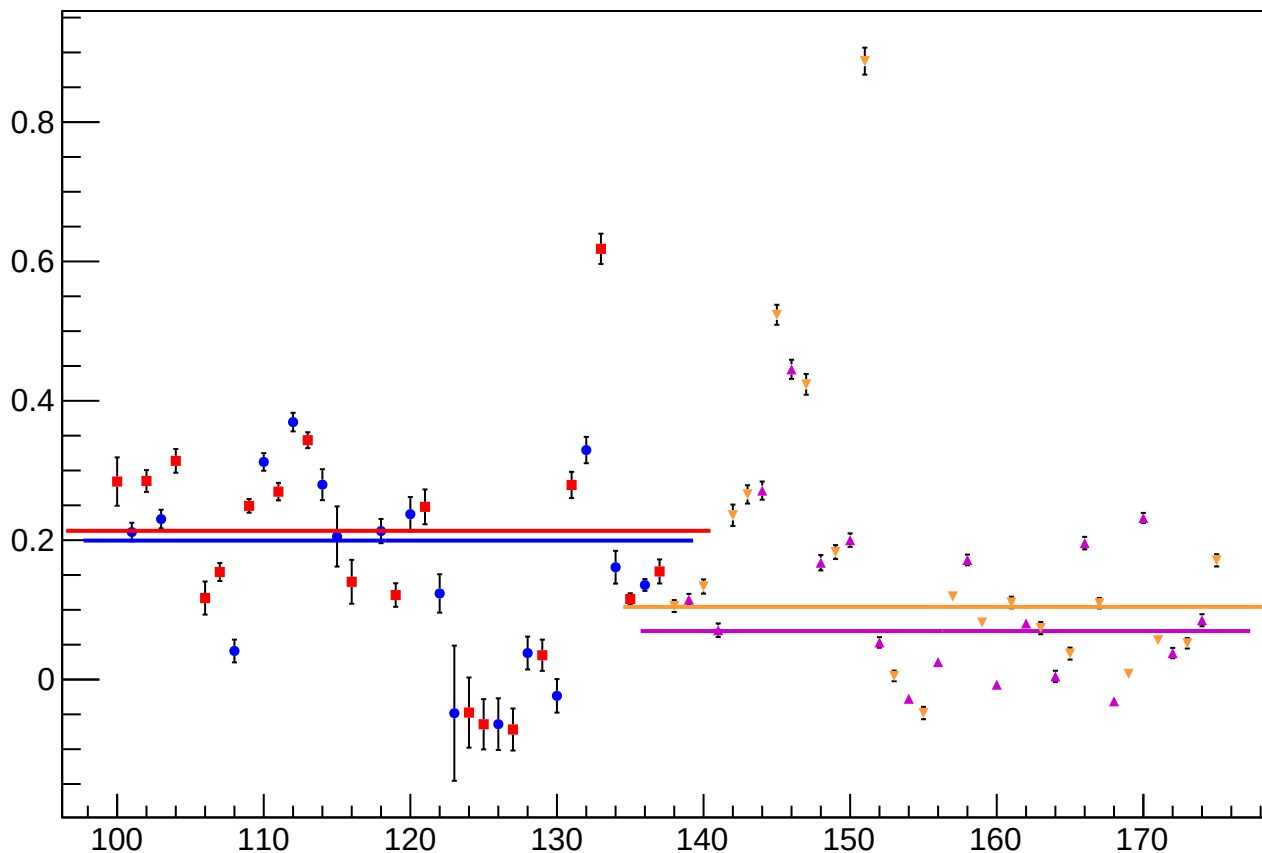
Right: -1.624 ± 0.048 χ^2/NDF : 2810.4/35

In: -2.252 ± 0.035 χ^2/NDF : 3753.6/34

Out: -2.223 ± 0.036 χ^2/NDF : 6179.3/38

All: -2.239 ± 0.025 χ^2/NDF : 9933.3/73

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 : 4153.2/19

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

Left In: 0.070 ± 0.002 χ^2/NDF : 3177.2/17

Left: 0.085 ± 0.001 χ^2/NDF : 7506.4/37

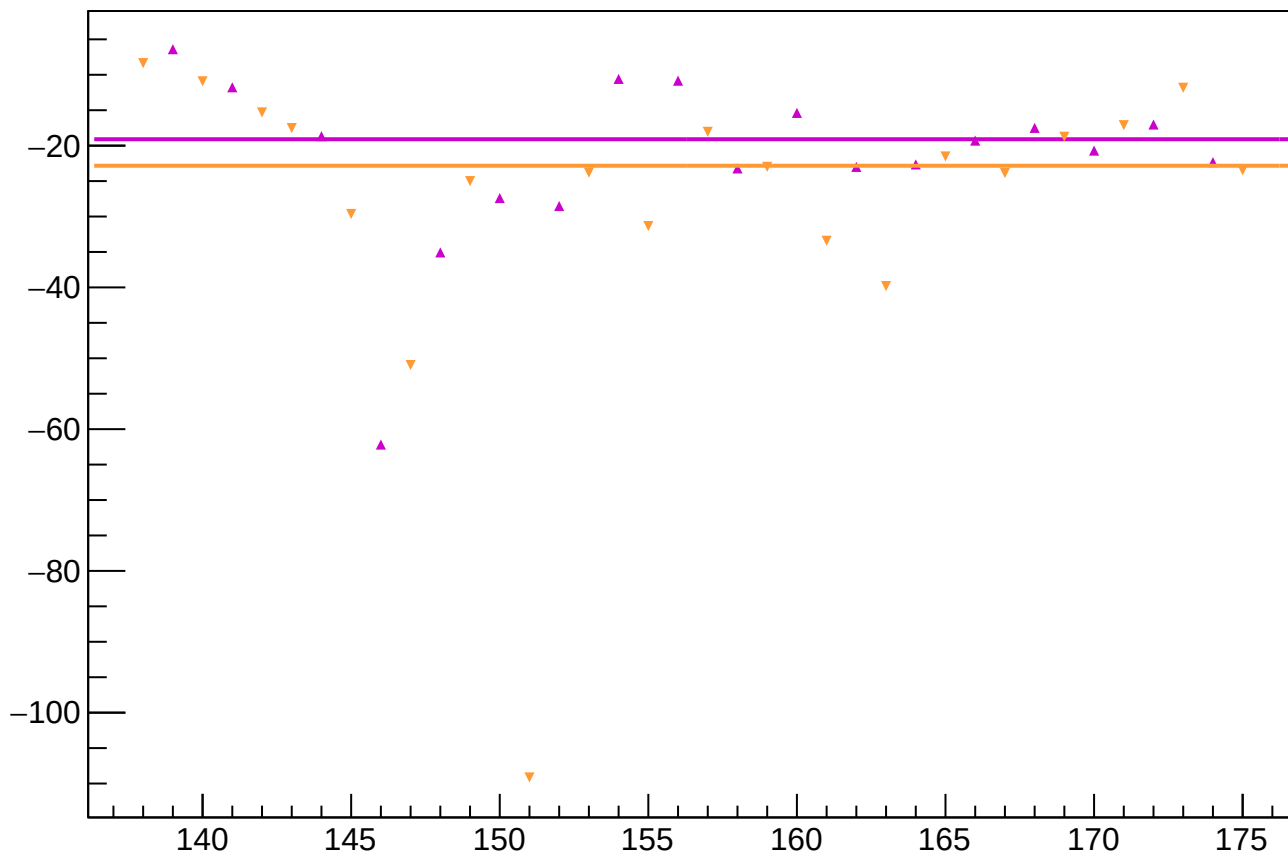
Right: 0.207 ± 0.003 χ^2/NDF : 1716.7/35

In: 0.089 ± 0.002 χ^2/NDF : 4678.3/34

Out: 0.128 ± 0.002 χ^2/NDF : 5888.7/38

All: 0.107 ± 0.001 χ^2/NDF : 10843.2/73

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: -22.833+/-0.051 χ^2/NDF :62418.8/19

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

Left In: -19.095+/-0.048 χ^2/NDF :37495.8/17

Left: -20.836+/-0.035 χ^2/NDF : 102752.2/37

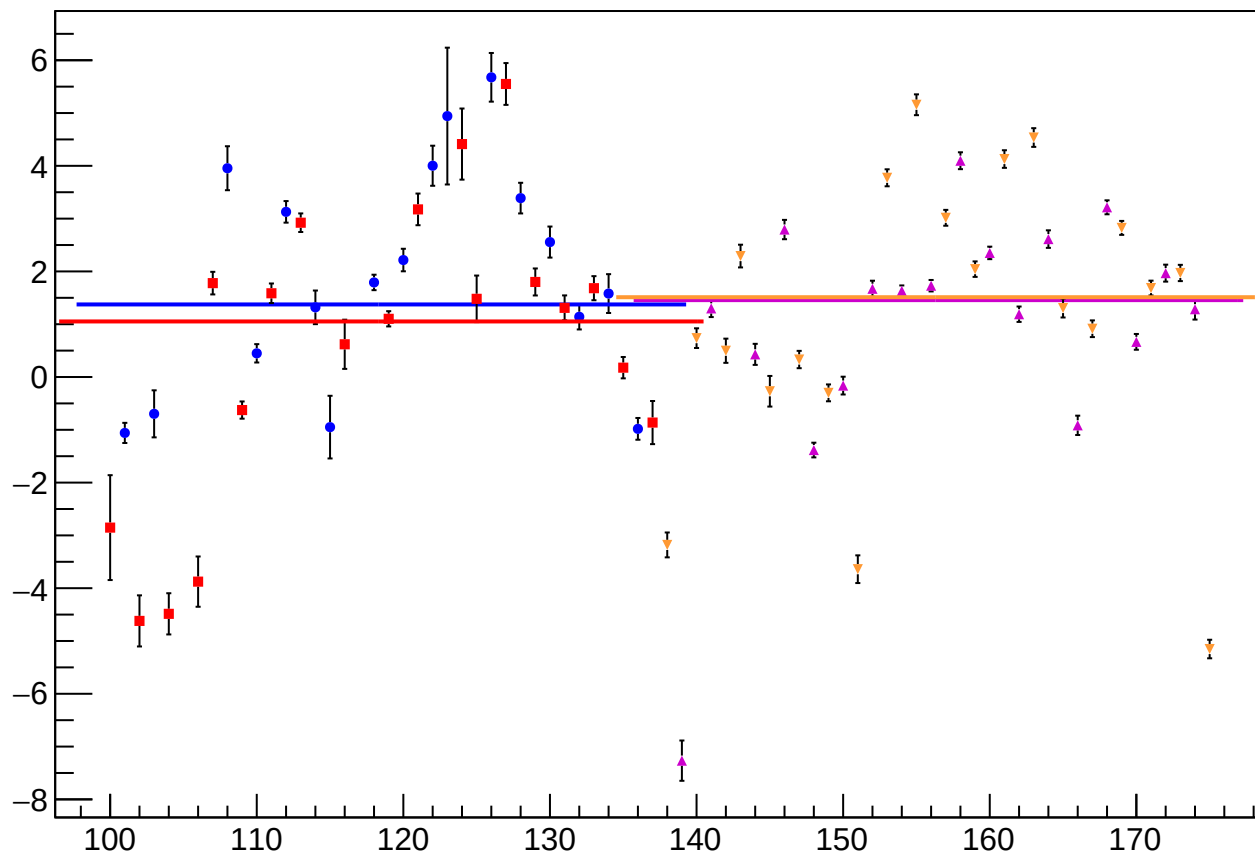
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.095+/-0.048 χ^2/NDF :37495.8/17

Out: -22.833+/-0.051 χ^2/NDF :62418.8/19

All: -20.836+/-0.035 χ^2/NDF : 102752.2/37

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: 1.511 $\pm$ 0.039 χ^2 /NDF:3805.0/19

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 964.0/18

Left In: 1.456 $\pm$ 0.035 χ^2 /NDF:1887.5/17

Left: 1.481 $\pm$ 0.026 χ^2 /NDF: 5693.6/37

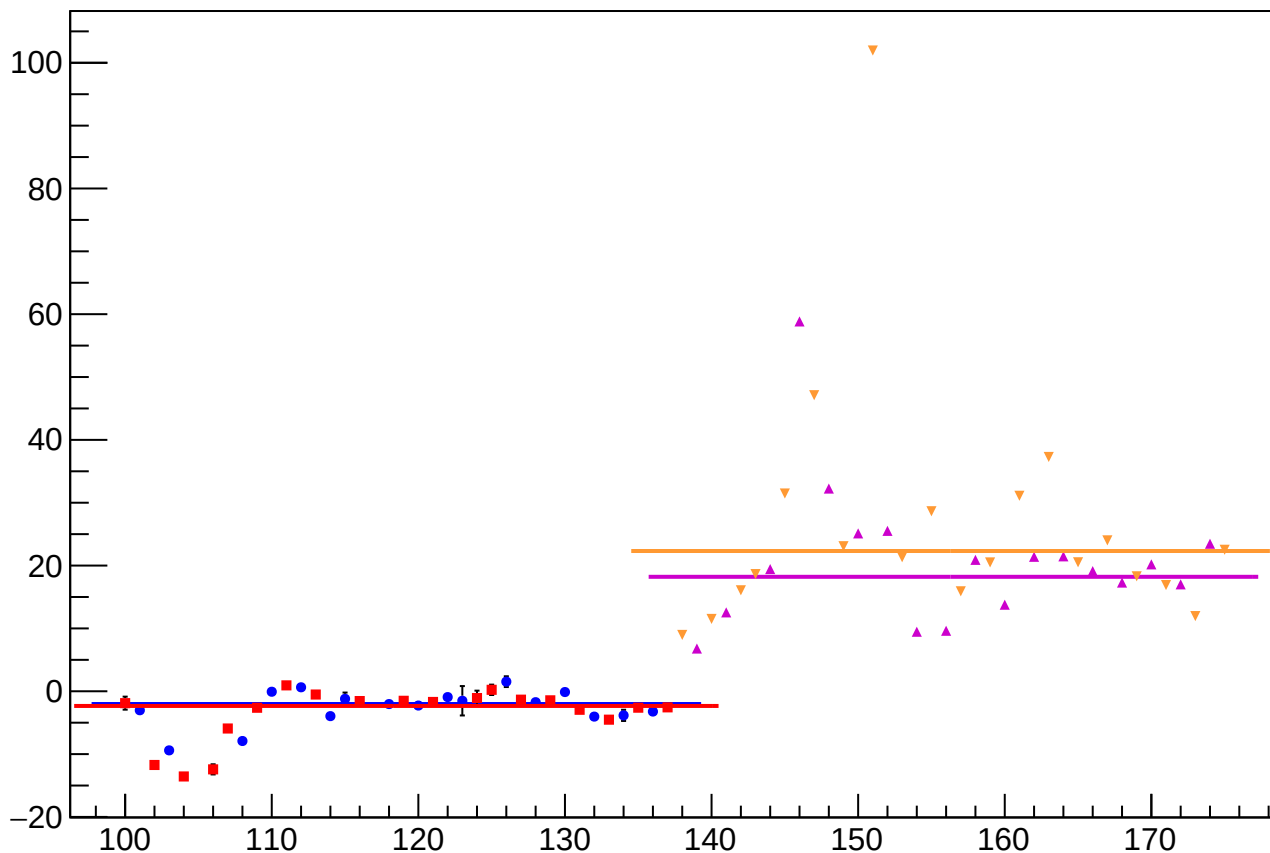
Right: 1.203 $\pm$ 0.042 χ^2 /NDF: 1680.9/35

In: 1.436 $\pm$ 0.031 χ^2 /NDF:2591.3/34

Out: 1.370 $\pm$ 0.032 χ^2 /NDF:4812.3/38

All: 1.405 $\pm$ 0.022 χ^2 /NDF: 7405.9/73

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: 22.318 ± 0.051 χ^2/NDF : 55628.6/19

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

Left In: 18.213 ± 0.047 χ^2/NDF : 35808.3/17

Left: 20.097 ± 0.034 χ^2/NDF : 94966.0/37

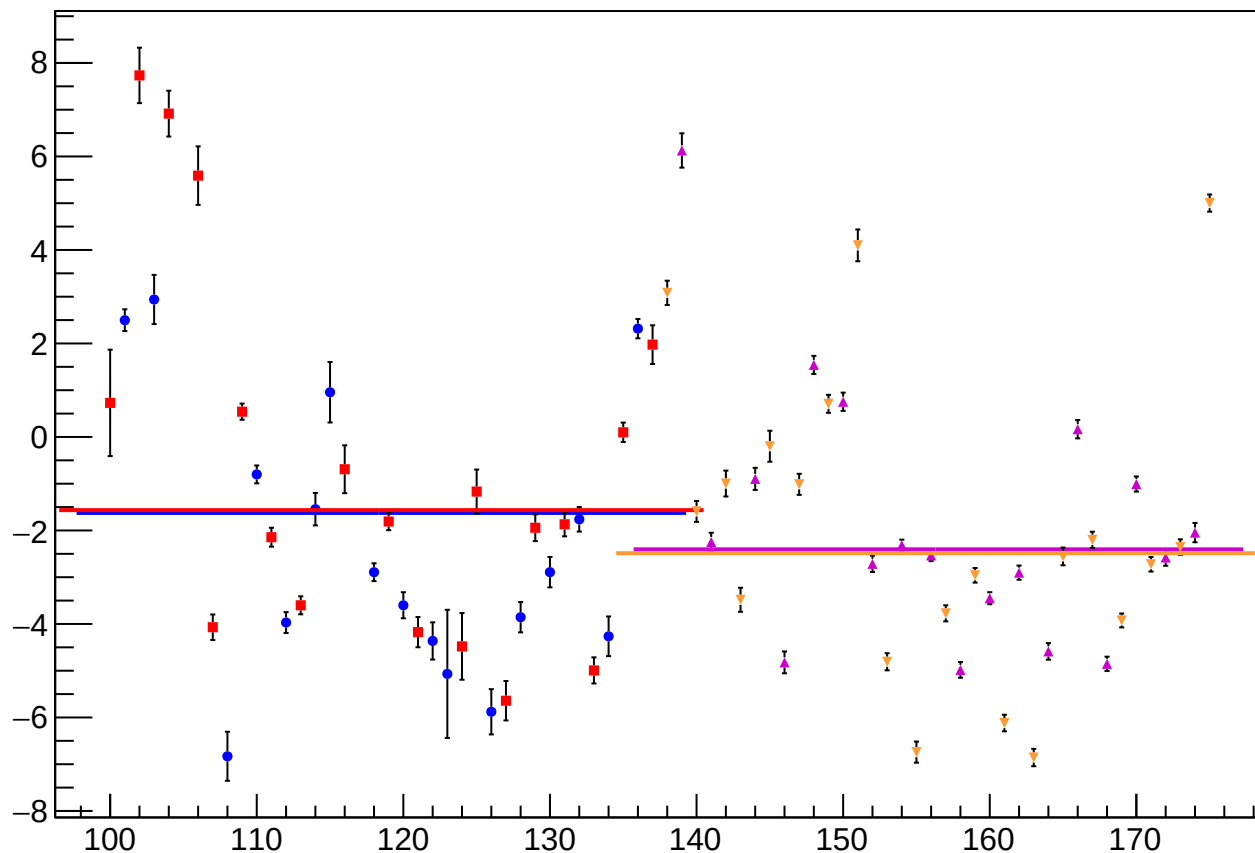
Right: -2.202 ± 0.074 χ^2/NDF : 1369.3/35

In: 15.169 ± 0.043 χ^2/NDF : 64376.9/34

Out: 17.170 ± 0.045 χ^2/NDF : 105656.4/38

All: 16.123 ± 0.031 χ^2/NDF : 171057.9/73

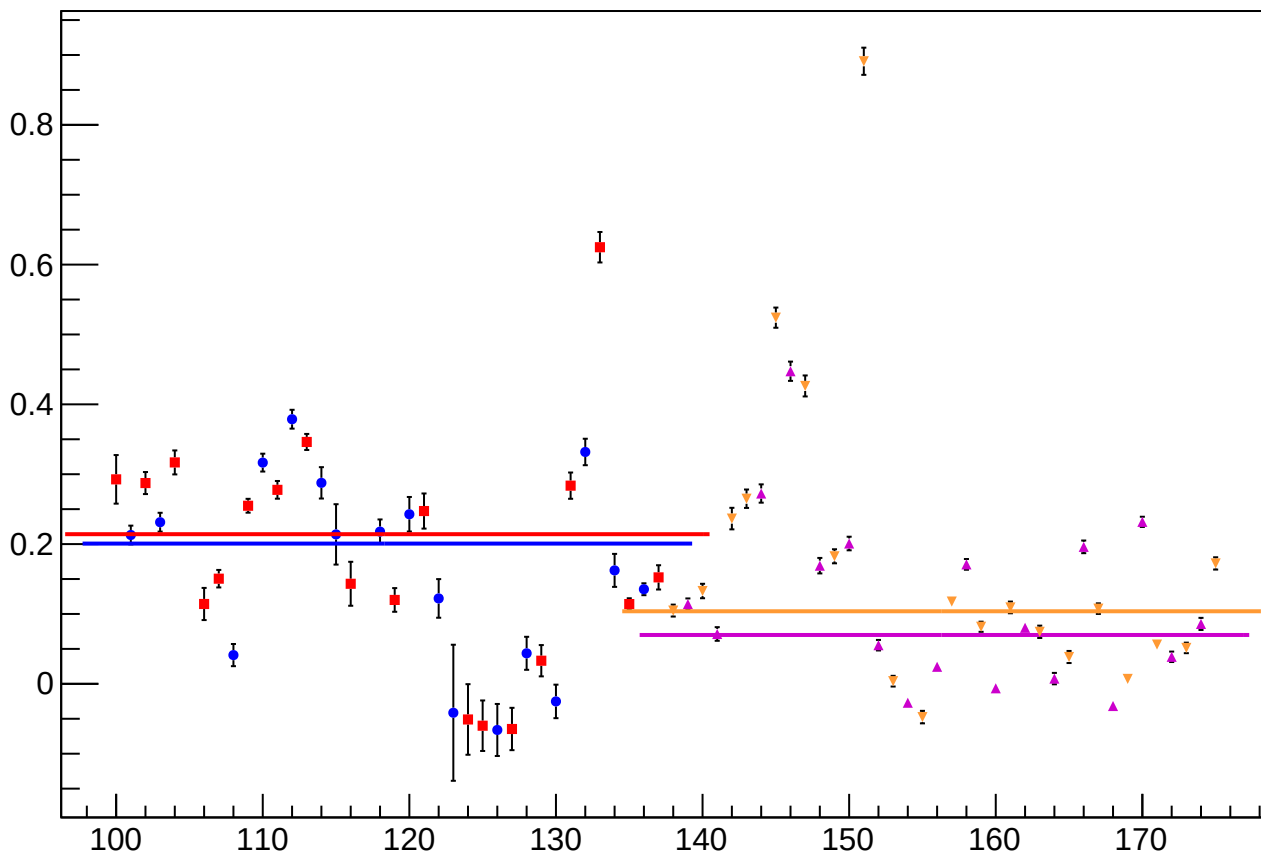
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16
 Left Out: -2.487 ± 0.044 χ^2/NDF : 4576.0/19
 Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18
 Left In: -2.404 ± 0.040 χ^2/NDF : 2339.4/17

Left: -2.442 ± 0.029 χ^2/NDF : 6917.3/37
 Right: -1.592 ± 0.048 χ^2/NDF : 2826.9/35
 In: -2.216 ± 0.035 χ^2/NDF : 3751.3/34
 Out: -2.204 ± 0.036 χ^2/NDF : 6218.8/38
 All: -2.211 ± 0.025 χ^2/NDF : 9970.2/73

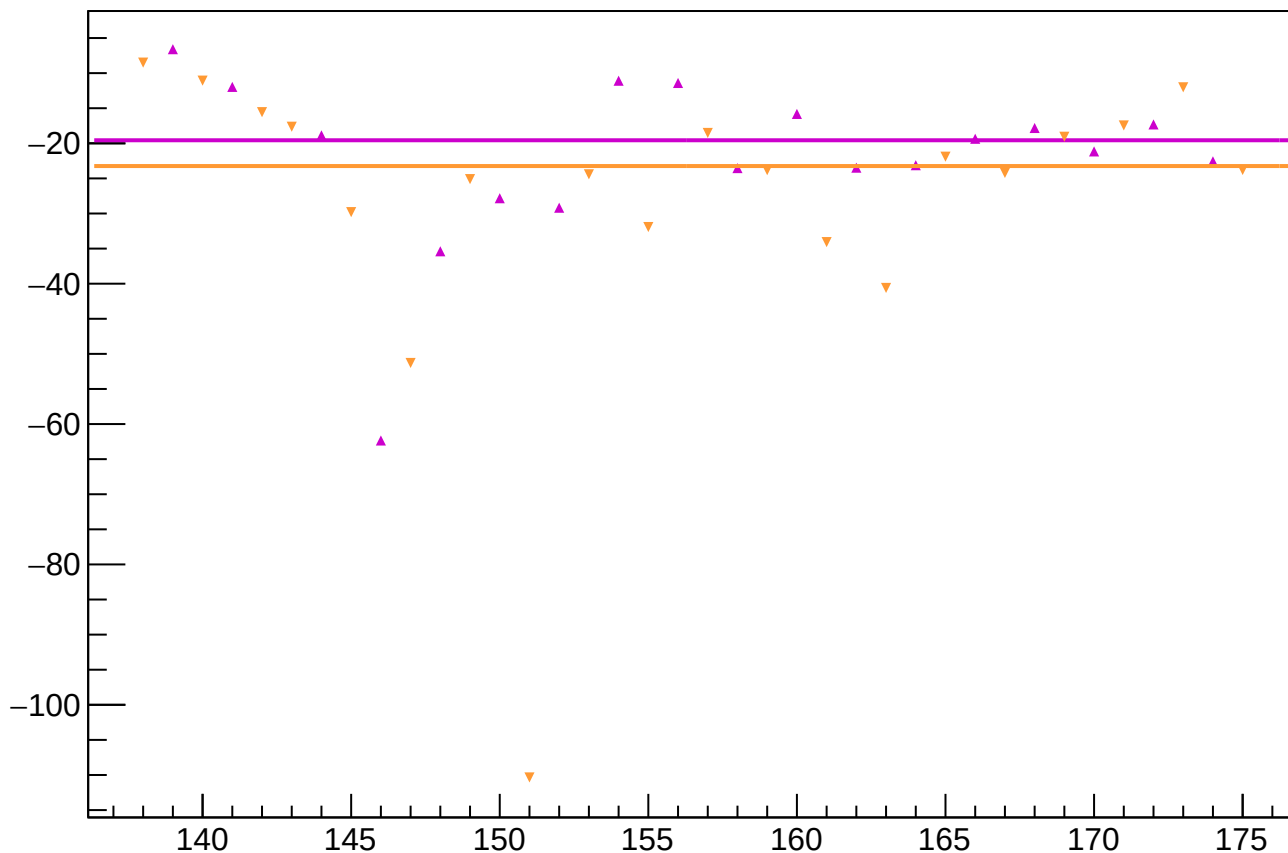
reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 $\chi^2/\text{NDF}: 690.6/16$
 Left Out: 0.104 ± 0.002 $\chi^2/\text{NDF}: 4143.3/19$
 Right Out: 0.214 ± 0.004 $\chi^2/\text{NDF}: 1080.4/18$
 Left In: 0.070 ± 0.002 $\chi^2/\text{NDF}: 3155.7/17$

Left: 0.085 ± 0.001 $\chi^2/\text{NDF}: 7466.5/37$
 Right: 0.208 ± 0.003 $\chi^2/\text{NDF}: 1776.9/35$
 In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 4692.0/34$
 Out: 0.128 ± 0.002 $\chi^2/\text{NDF}: 5922.0/38$
 All: 0.107 ± 0.001 $\chi^2/\text{NDF}: 10881.0/73$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.239+/-0.052 χ^2/NDF :62270.9/19

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

Left In: -19.566+/-0.049 χ^2/NDF :36329.9/17

Left: -21.284+/-0.036 χ^2/NDF : 101226.5/37

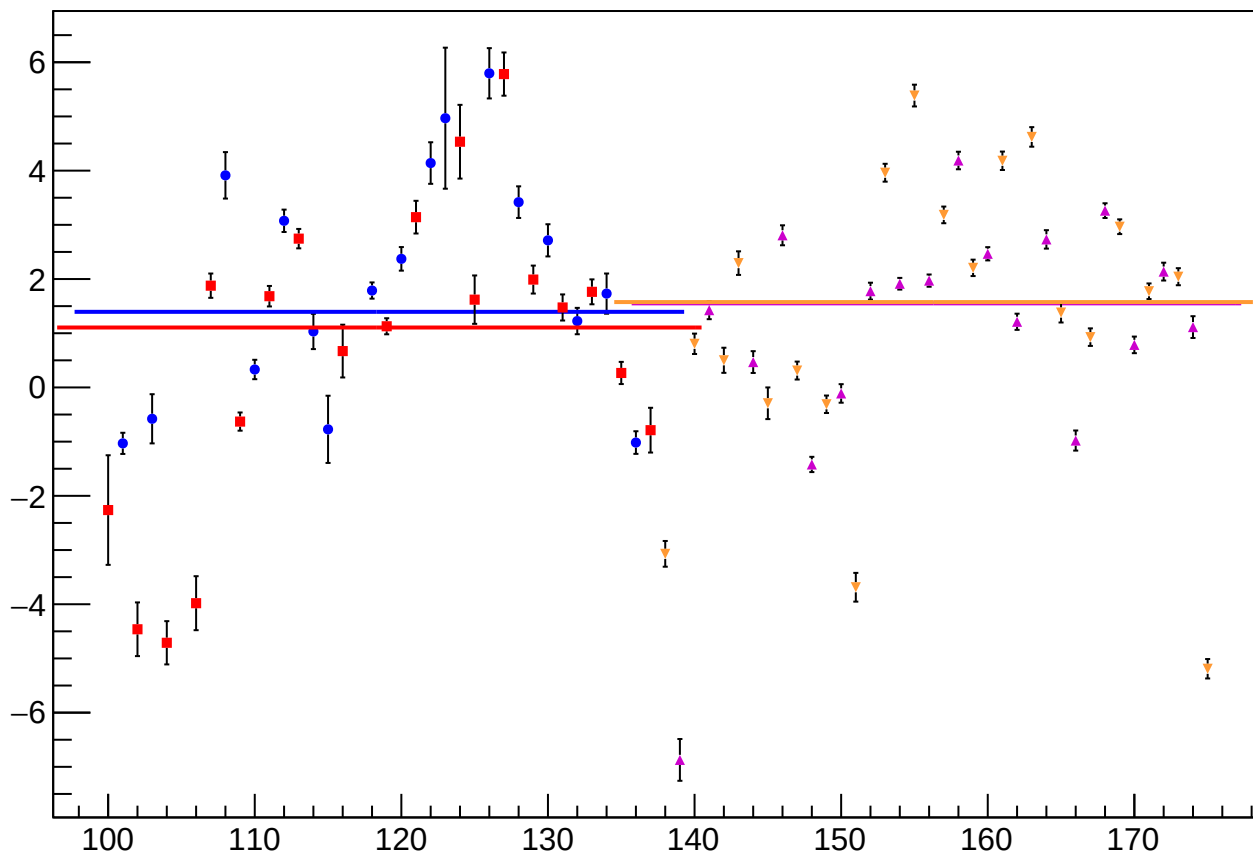
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.566+/-0.049 χ^2/NDF :36329.9/17

Out: -23.239+/-0.052 χ^2/NDF :62270.9/19

All: -21.284+/-0.036 χ^2/NDF : 101226.5/37

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: 1.575 $\pm$ 0.039 χ^2 /NDF:3835.4/19

Right Out: 1.106 $\pm$ 0.059 χ^2 /NDF: 937.0/18

Left In: 1.551 $\pm$ 0.036 χ^2 /NDF:1882.7/17

Left: 1.562 $\pm$ 0.027 χ^2 /NDF: 5718.3/37

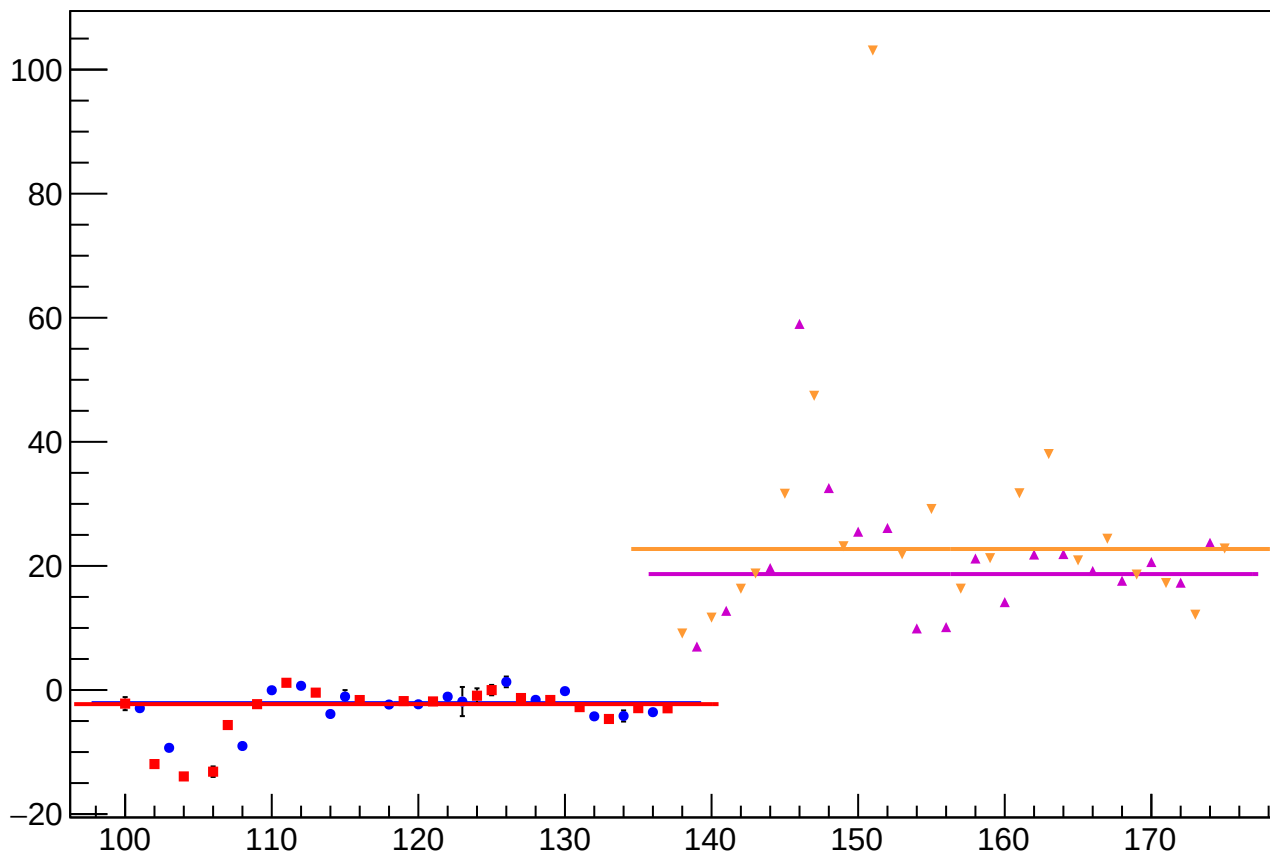
Right: 1.241 $\pm$ 0.043 χ^2 /NDF: 1649.6/35

In: 1.512 $\pm$ 0.031 χ^2 /NDF:2588.8/34

Out: 1.431 $\pm$ 0.033 χ^2 /NDF:4815.9/38

All: 1.473 $\pm$ 0.023 χ^2 /NDF: 7407.9/73

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 22.729 ± 0.052 χ^2/NDF : 55374.0/19

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

Left In: 18.686 ± 0.048 χ^2/NDF : 34490.5/17

Left: 20.551 ± 0.035 χ^2/NDF : 93140.0/37

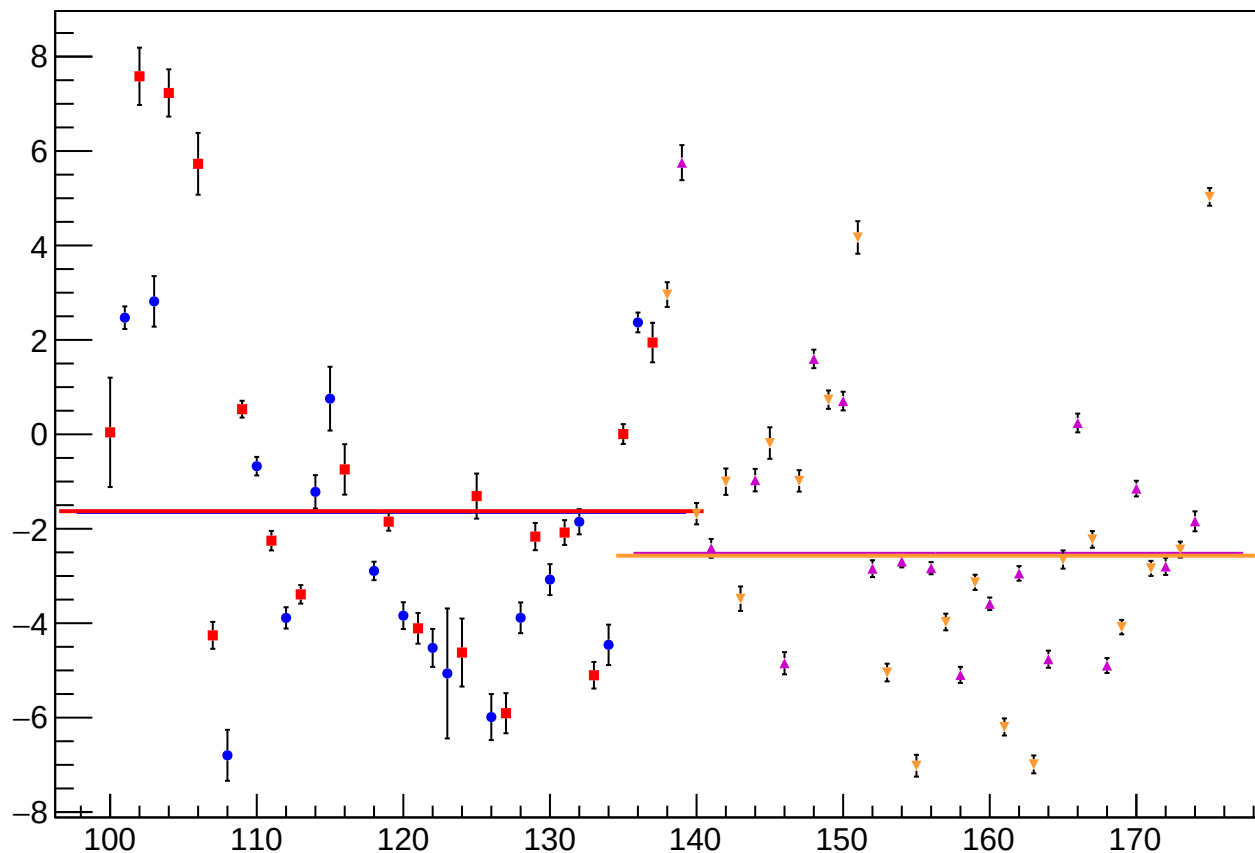
Right: -2.207 ± 0.075 χ^2/NDF : 1406.8/35

In: 15.523 ± 0.044 χ^2/NDF : 63570.7/34

Out: 17.517 ± 0.046 χ^2/NDF : 104777.8/38

All: 16.477 ± 0.032 χ^2/NDF : 169323.1/73

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: -2.570 ± 0.044 χ^2/NDF : 4599.0/19

Right Out: -1.627 ± 0.067 χ^2/NDF : 1468.1/18

Left In: -2.531 ± 0.041 χ^2/NDF : 2312.6/17

Left: -2.549 ± 0.030 χ^2/NDF : 6912.0/37

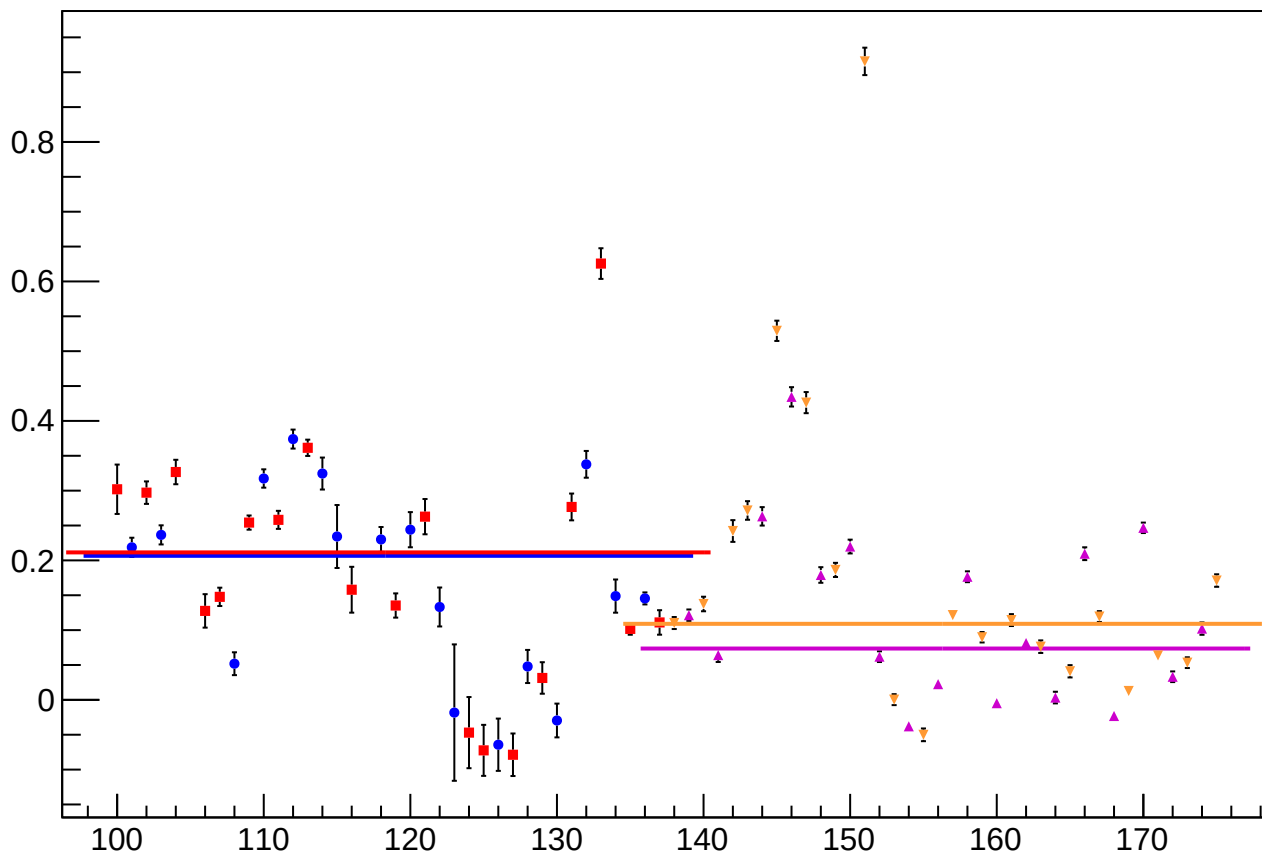
Right: -1.635 ± 0.049 χ^2/NDF : 2778.2/35

In: -2.315 ± 0.036 χ^2/NDF : 3736.5/34

Out: -2.281 ± 0.037 χ^2/NDF : 6204.8/38

All: -2.299 ± 0.026 χ^2/NDF : 9941.7/73

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 $\pm$ 0.004 χ^2 /NDF: 655.0/16

Left Out: 0.109 $\pm$ 0.002 χ^2 /NDF:4159.9/19

Right Out: 0.211 $\pm$ 0.004 χ^2 /NDF: 1145.6/18

Left In: 0.074 $\pm$ 0.002 χ^2 /NDF:3255.7/17

Left: 0.089 $\pm$ 0.001 χ^2 /NDF: 7590.1/37

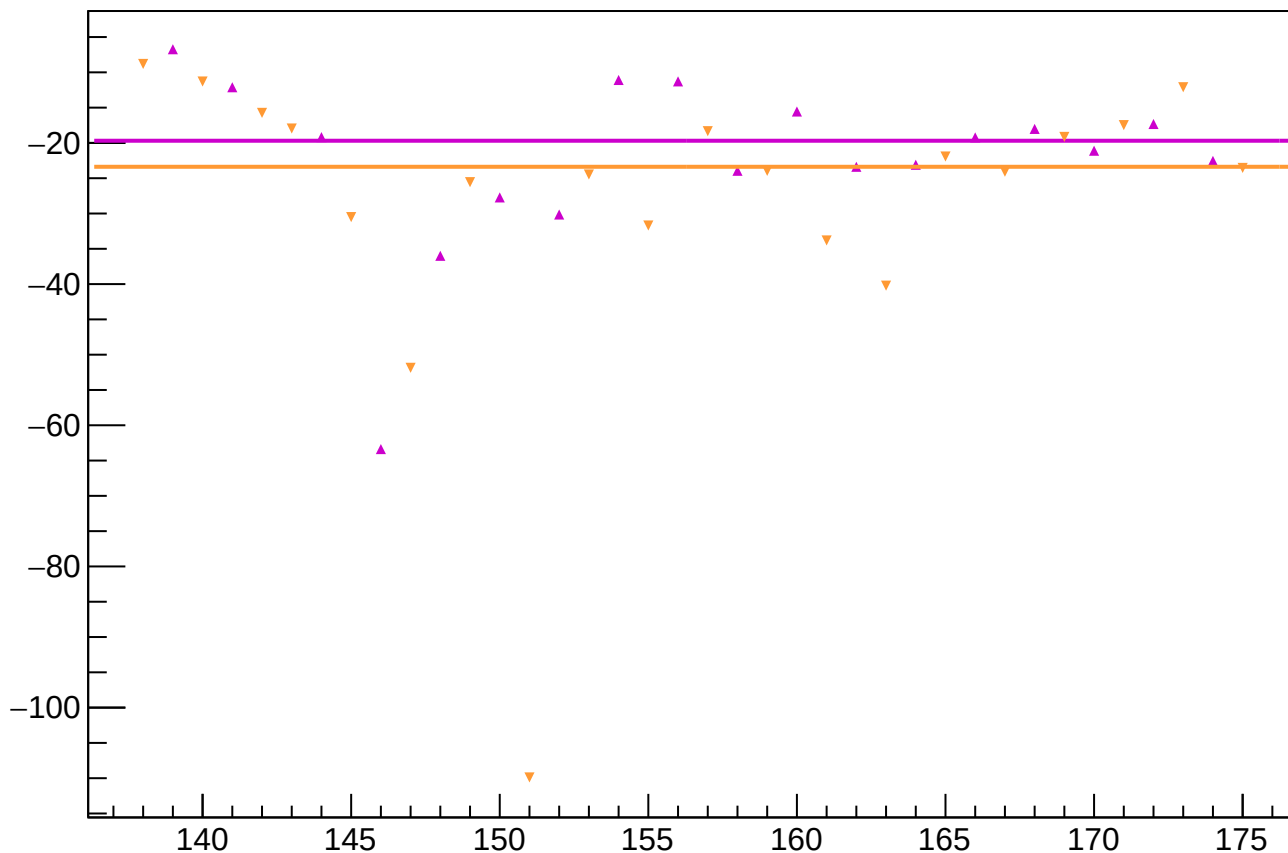
Right: 0.209 $\pm$ 0.003 χ^2 /NDF: 1801.3/35

In: 0.094 $\pm$ 0.002 χ^2 /NDF:4752.6/34

Out: 0.132 $\pm$ 0.002 χ^2 /NDF:5883.2/38

All: 0.111 $\pm$ 0.001 χ^2 /NDF: 10880.0/73

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.379+/-0.053 χ^2/NDF :61034.7/19

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

Left In: -19.690+/-0.050 χ^2/NDF :36613.8/17

Left: -21.422+/-0.036 χ^2/NDF : 100240.2/37

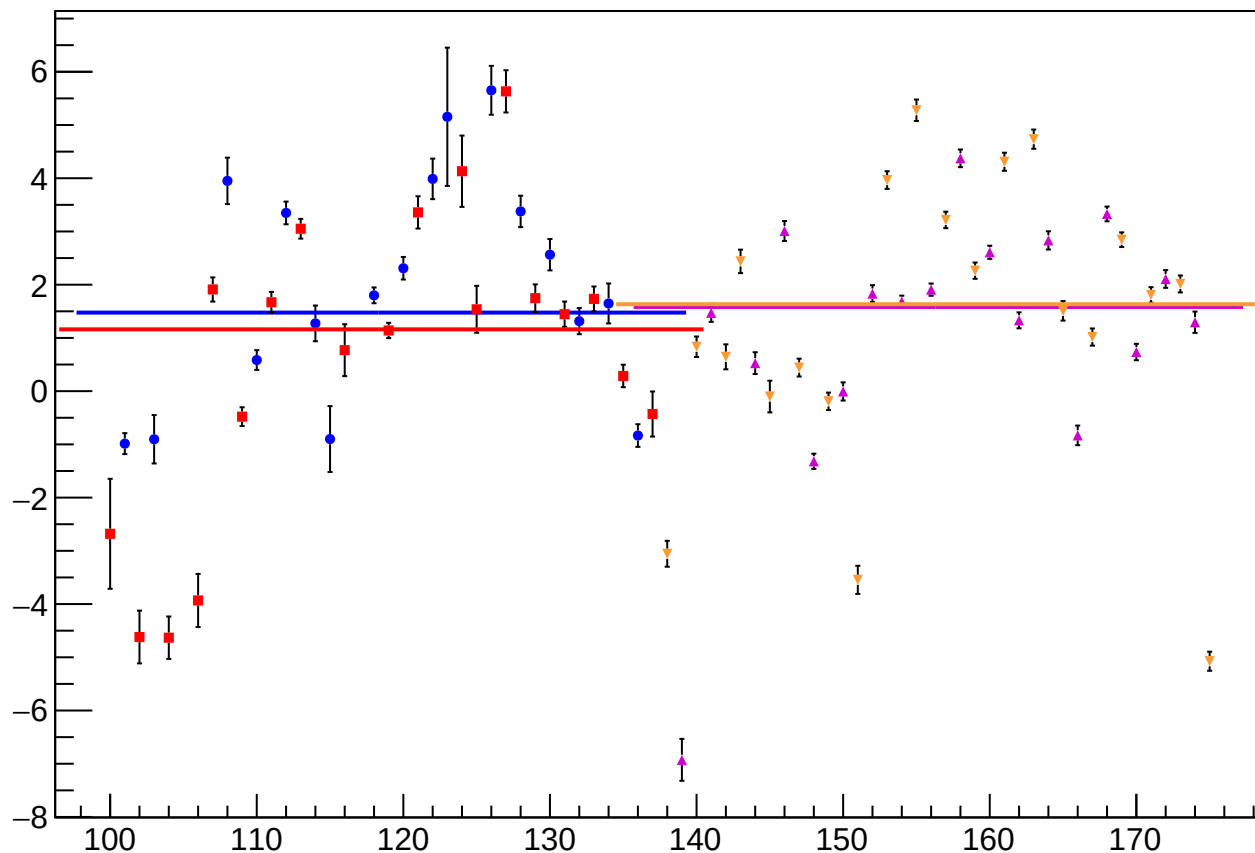
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.690+/-0.050 χ^2/NDF :36613.8/17

Out: -23.379+/-0.053 χ^2/NDF :61034.7/19

All: -21.422+/-0.036 χ^2/NDF : 100240.2/37

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 $\pm$ 0.064 χ^2 /NDF: 659.7/16

Left Out: 1.633 $\pm$ 0.040 χ^2 /NDF:3701.8/19

Right Out: 1.161 $\pm$ 0.060 χ^2 /NDF: 917.9/18

Left In: 1.582 $\pm$ 0.037 χ^2 /NDF:1843.2/17

Left: 1.606 $\pm$ 0.027 χ^2 /NDF: 5545.8/37

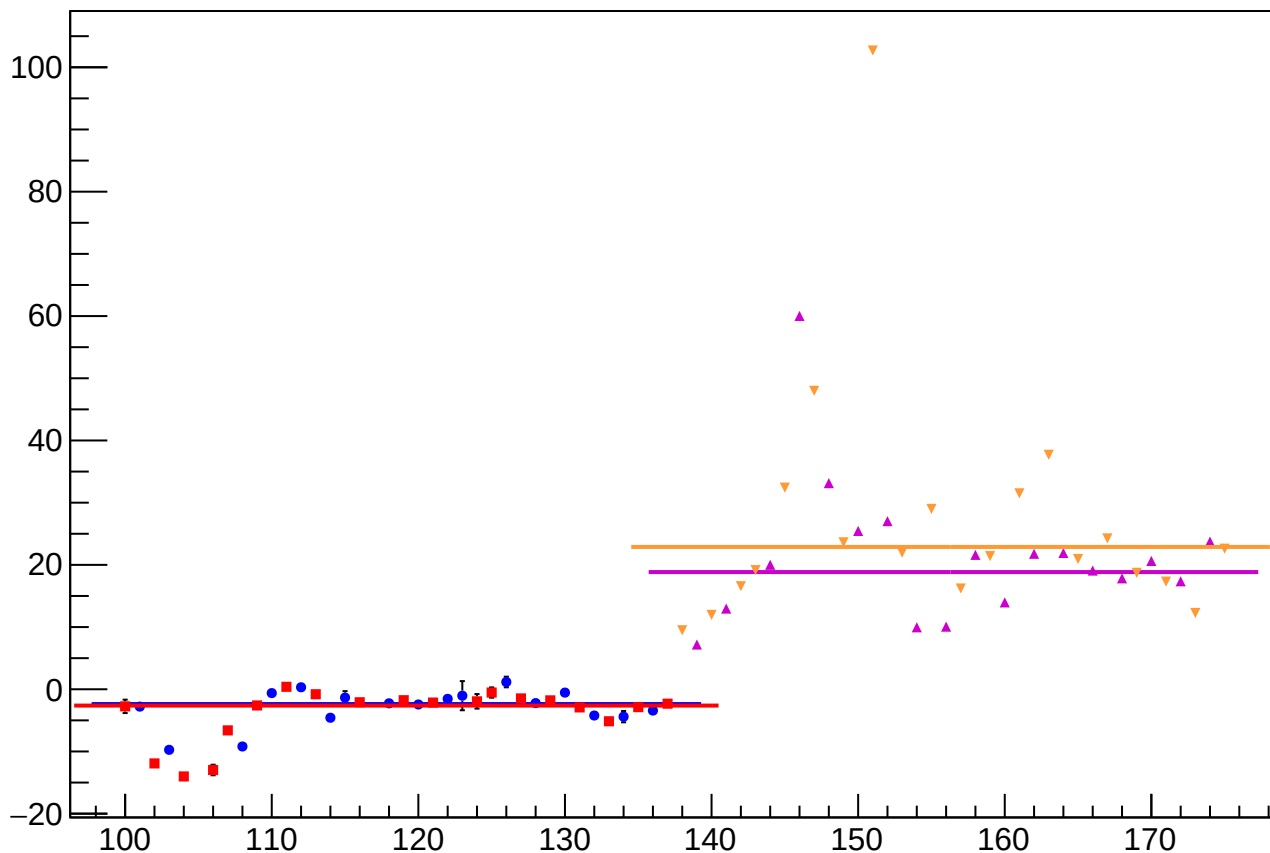
Right: 1.309 $\pm$ 0.044 χ^2 /NDF: 1590.5/35

In: 1.556 $\pm$ 0.032 χ^2 /NDF:2504.9/34

Out: 1.488 $\pm$ 0.033 χ^2 /NDF:4662.7/38

All: 1.523 $\pm$ 0.023 χ^2 /NDF: 7169.7/73

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: 22.884 ± 0.052 χ^2/NDF : 54387.6/19

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

Left In: 18.845 ± 0.049 χ^2/NDF : 34783.2/17

Left: 20.715 ± 0.036 χ^2/NDF : 92372.8/37

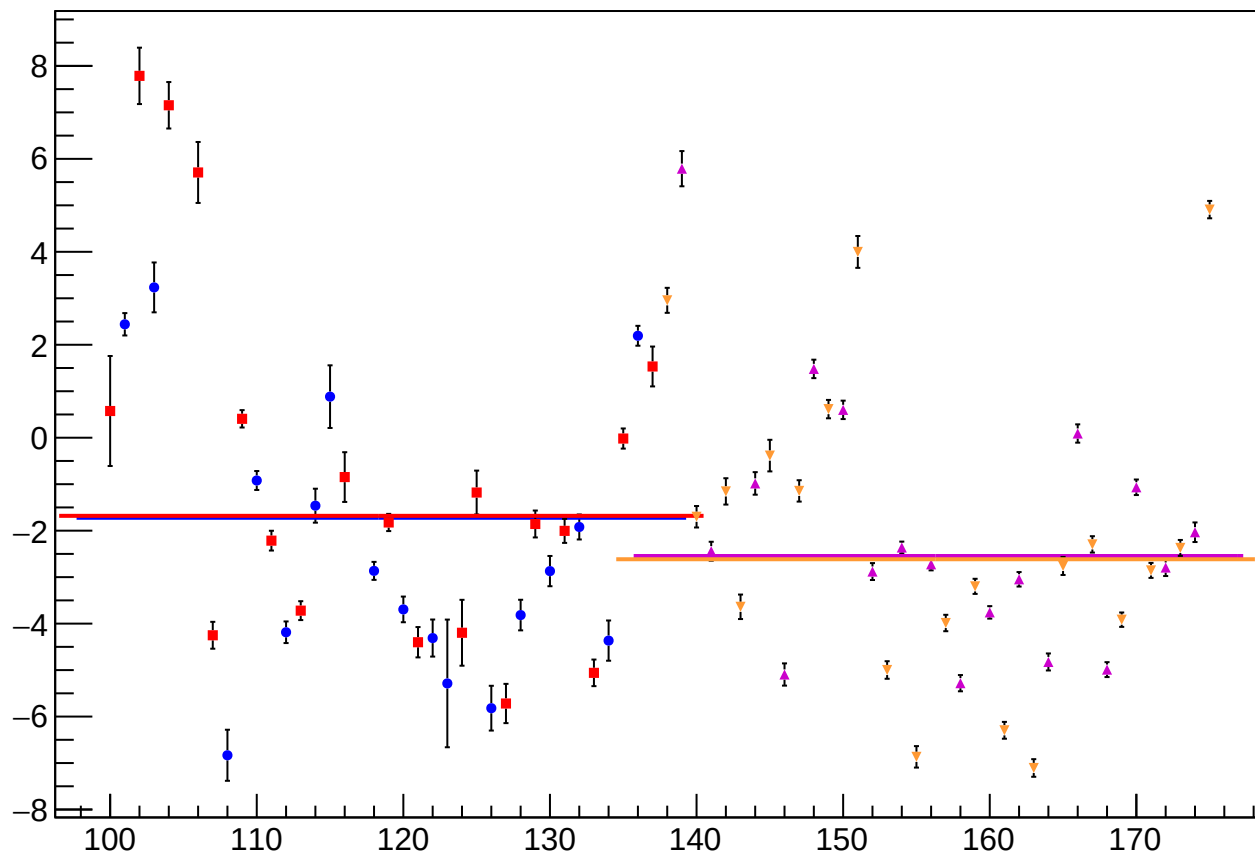
Right: -2.514 ± 0.077 χ^2/NDF : 1282.5/35

In: 15.633 ± 0.045 χ^2/NDF : 64115.8/34

Out: 17.676 ± 0.047 χ^2/NDF : 103788.7/38

All: 16.611 ± 0.032 χ^2/NDF : 168903.1/73

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -2.615 ± 0.045 χ^2/NDF : 4448.6/19

Right Out: -1.681 ± 0.068 χ^2/NDF : 1431.0/18

Left In: -2.545 ± 0.042 χ^2/NDF : 2299.5/17

Left: -2.577 ± 0.030 χ^2/NDF : 6749.4/37

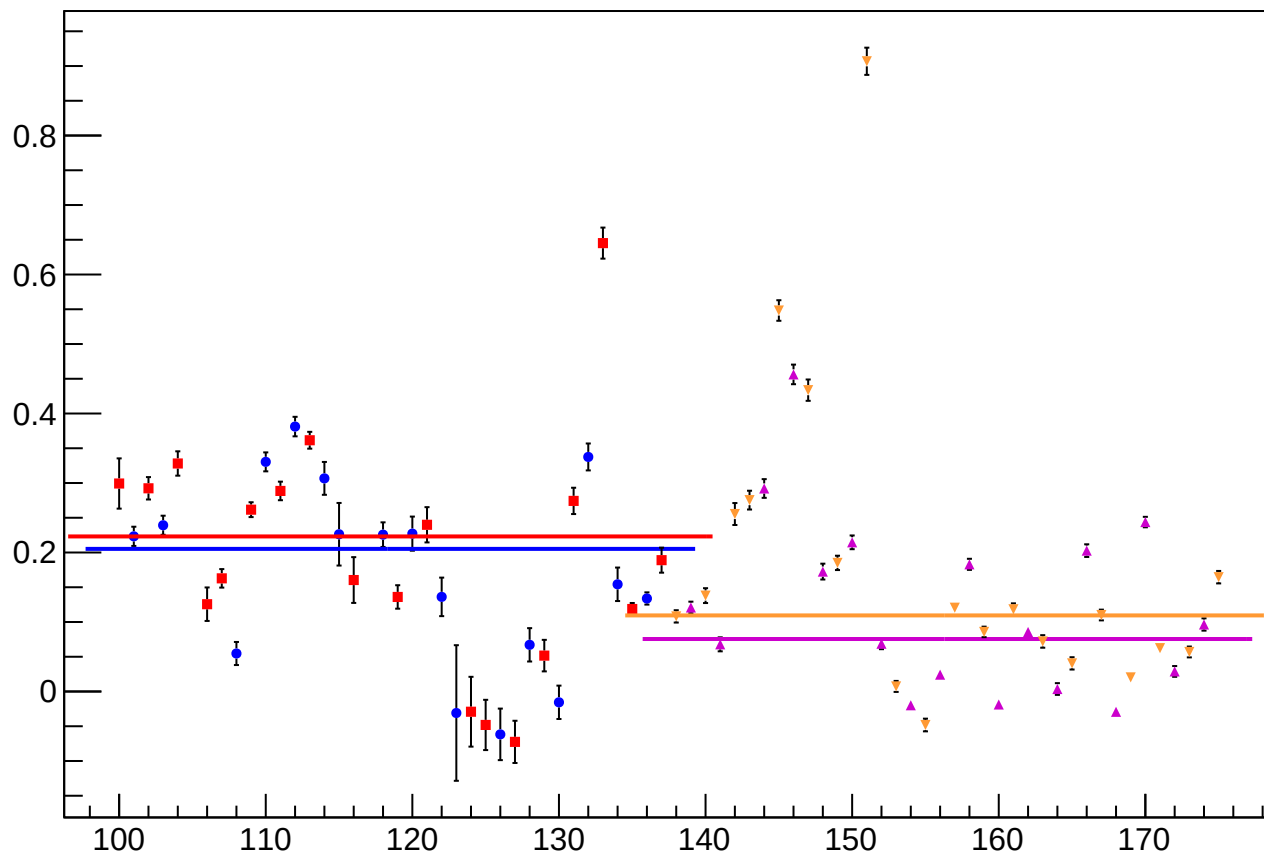
Right: -1.700 ± 0.050 χ^2/NDF : 2678.8/35

In: -2.344 ± 0.036 χ^2/NDF : 3642.9/34

Out: -2.332 ± 0.037 χ^2/NDF : 6011.3/38

All: -2.338 ± 0.026 χ^2/NDF : 9654.2/73

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: 0.109 $\pm$ 0.002 χ^2 /NDF:4127.8/19

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1040.5/18

Left In: 0.076 $\pm$ 0.002 χ^2 /NDF:3225.6/17

Left: 0.091 $\pm$ 0.001 χ^2 /NDF: 7510.2/37

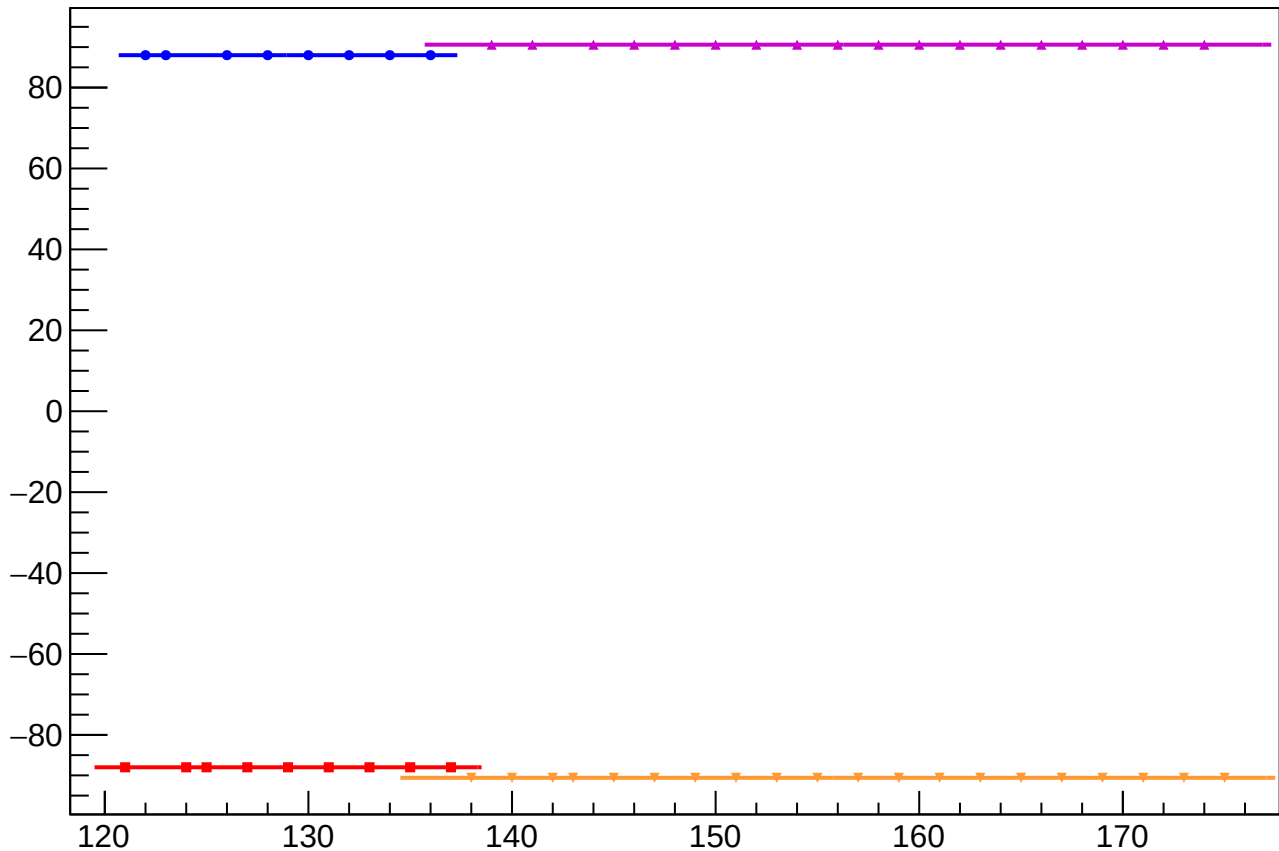
Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1700.9/35

In: 0.095 $\pm$ 0.002 χ^2 /NDF:4655.7/34

Out: 0.134 $\pm$ 0.002 χ^2 /NDF:5854.6/38

All: 0.113 $\pm$ 0.001 χ^2 /NDF: 10762.1/73

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 5508748.2/19

Right Out: -88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: 90.599+/-0.000 χ^2/NDF : 5159781.4/17

Left: -3.164+/-0.000 χ^2/NDF : 24652060377852707

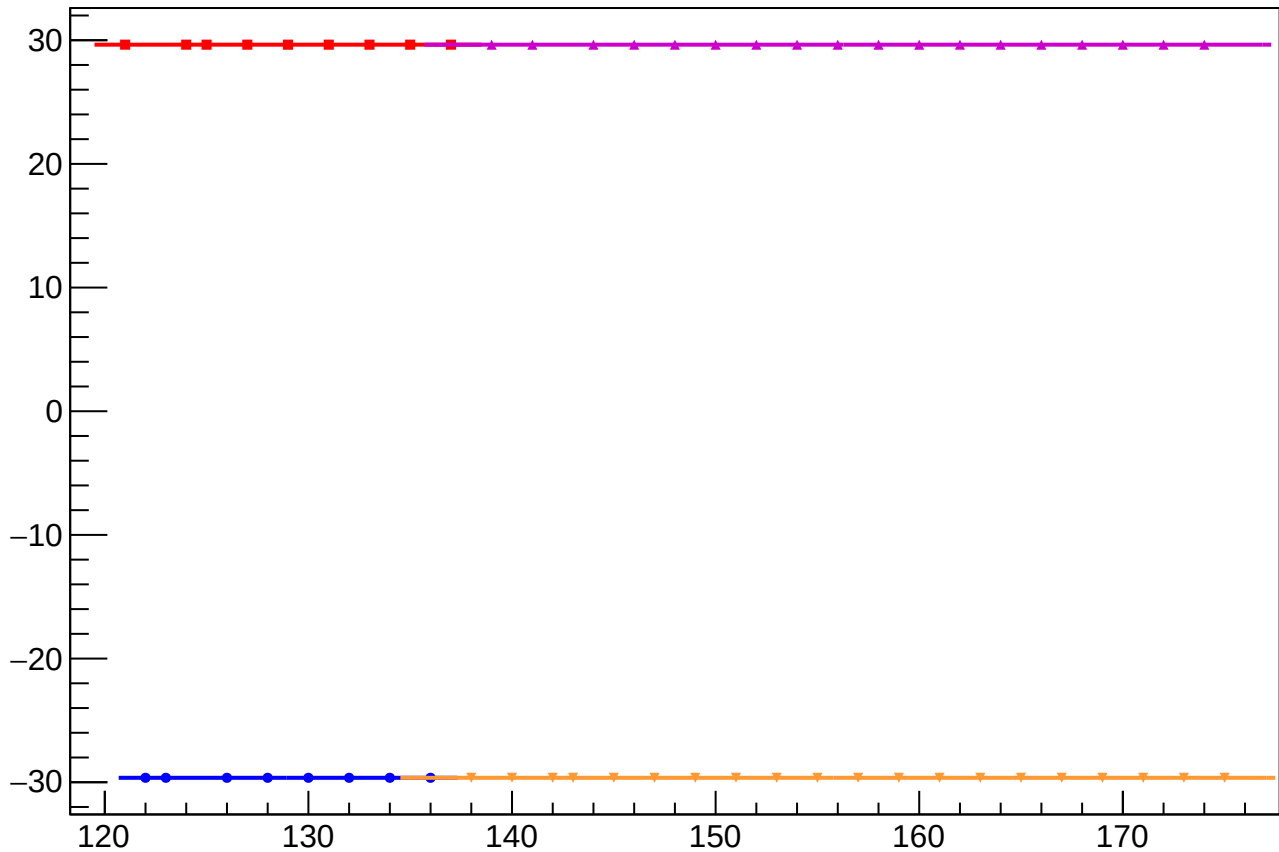
Right: 3.062+/-0.000 χ^2/NDF : 51126681569224617

In: 90.104+/-0.000 χ^2/NDF : 186891697251110730

Out: -90.157+/-0.000 χ^2/NDF : 1787622378575298

All: -2.042+/-0.000 χ^2/NDF : 2978573119552

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 288584.3/19

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: 29.641+/-0.000 χ^2/NDF : 329226.4/17

Left: -1.035+/-0.000 χ^2/NDF : 26386426109558587

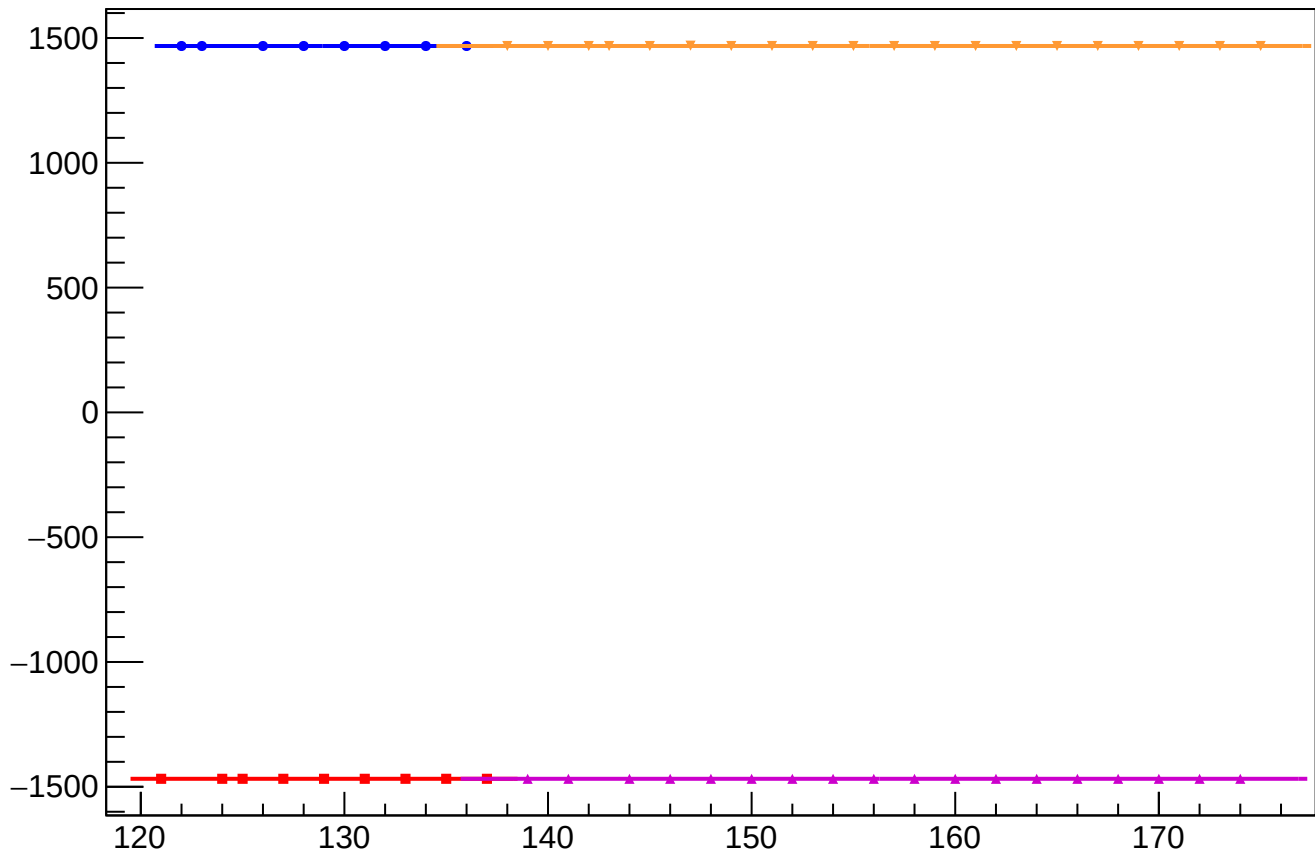
Right: -1.031+/-0.000 χ^2/NDF : 5800324943766944

In: 18.333+/-0.000 χ^2/NDF : 972635738974669307

Out: -19.555+/-0.000 χ^2/NDF : 9303277988091063

All: -1.034+/-0.000 χ^2/NDF : 3218675112507

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.059+/-0.000 χ^2/NDF : 126909153750954161884650968973312.0/19

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: -1467.992+/-0.000 χ^2/NDF : 131818056482371582149213028352.0/17

Left: 51.295+/-0.000 χ^2/NDF : 64724820539079720

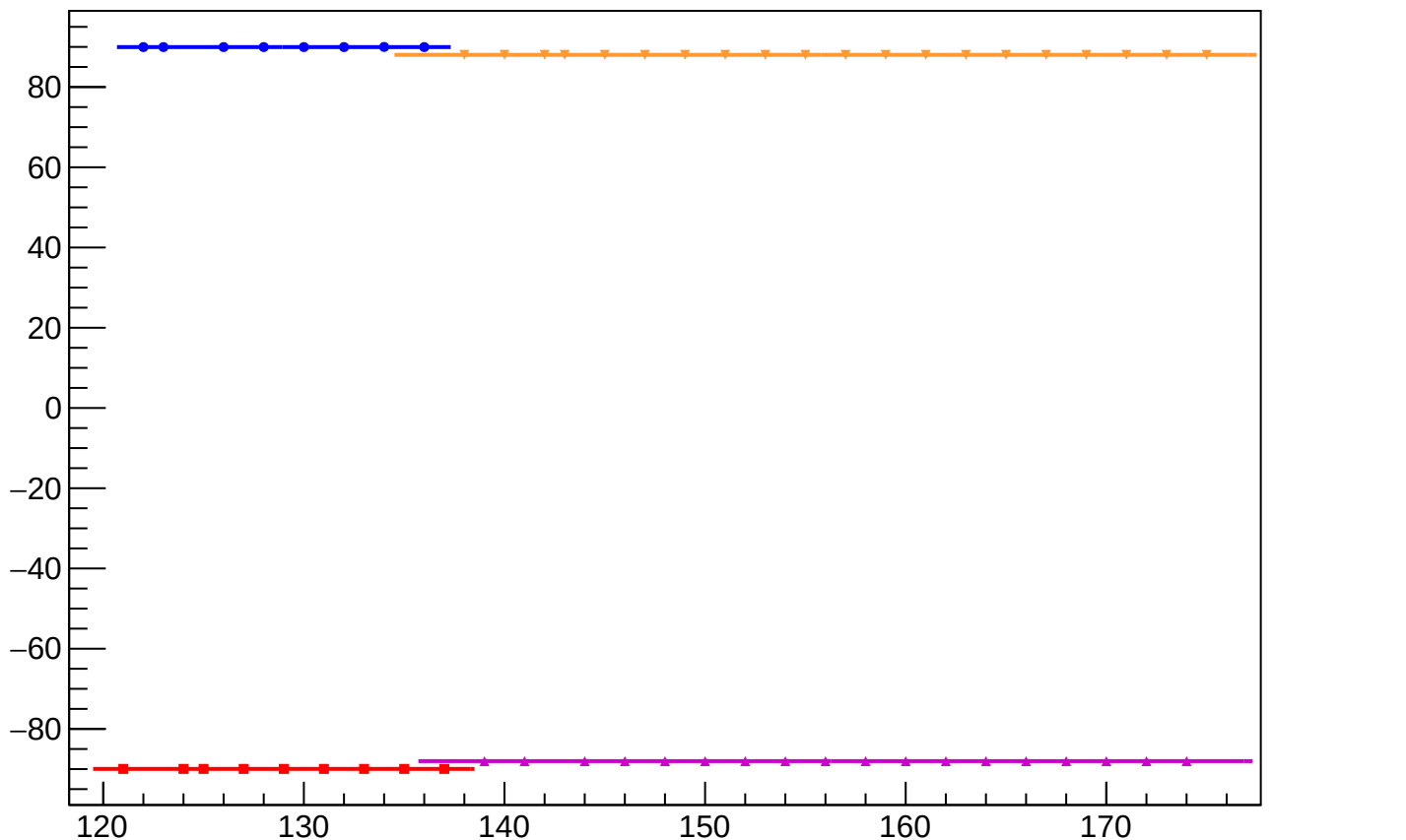
Right: 51.079+/-0.000 χ^2/NDF : 1422706063207371

In: -907.980+/-0.000 χ^2/NDF : 2385706068188722

Out: 968.541+/-0.000 χ^2/NDF : 2282035750503324

All: 51.256+/-0.000 χ^2/NDF : 7895188142196

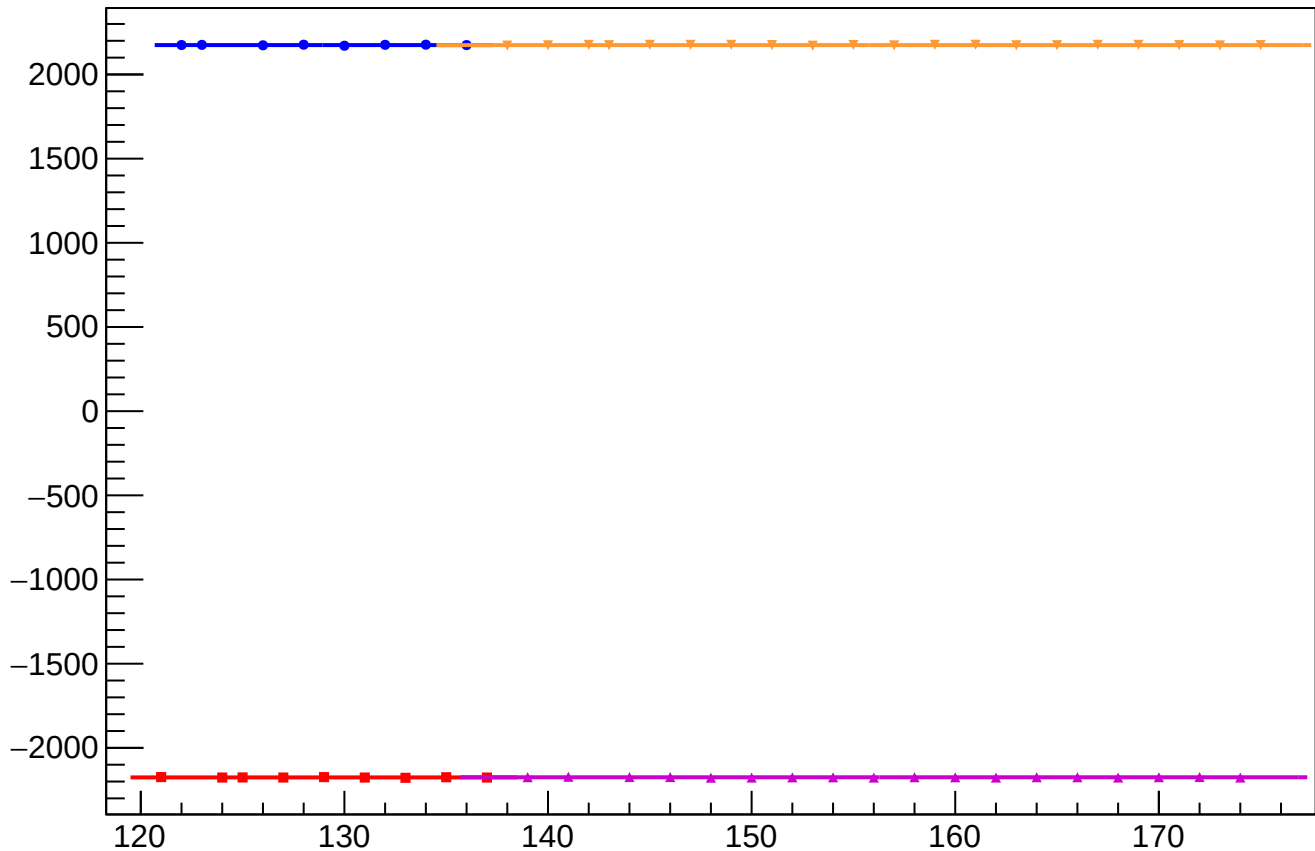
Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961 +/- 0.000 χ^2/NDF : 21528640598708602874349223936.0/7
 Left Out: 88.021 +/- 0.000 χ^2/NDF : 5015994.2/19
 Right Out: -89.959 +/- 0.000 χ^2/NDF : 331397.3/8
 Left In: -88.021 +/- 0.000 χ^2/NDF : 4674499.4/17

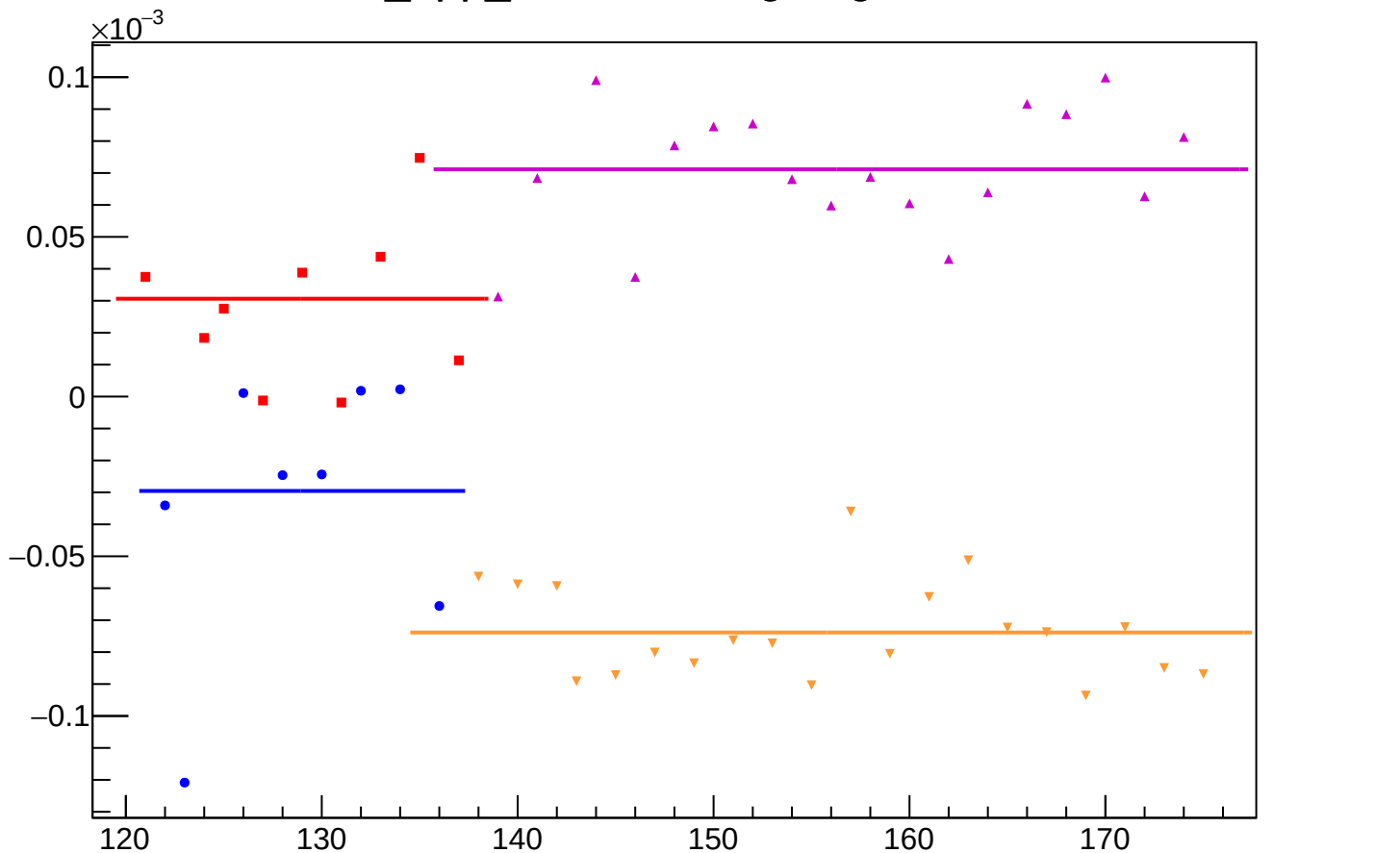
Left: 3.074 +/- 0.000 χ^2/NDF : 232687597341442805
 Right: 3.131 +/- 0.000 χ^2/NDF : 53429021948733419
 In: -54.072 +/- 0.000 χ^2/NDF : 87672933571568147
 Out: 57.740 +/- 0.000 χ^2/NDF : 83857403001949703
 All: 3.084 +/- 0.000 χ^2/NDF : 28611663733068

HALLA_p_mean vs Slug, Sign Corrected



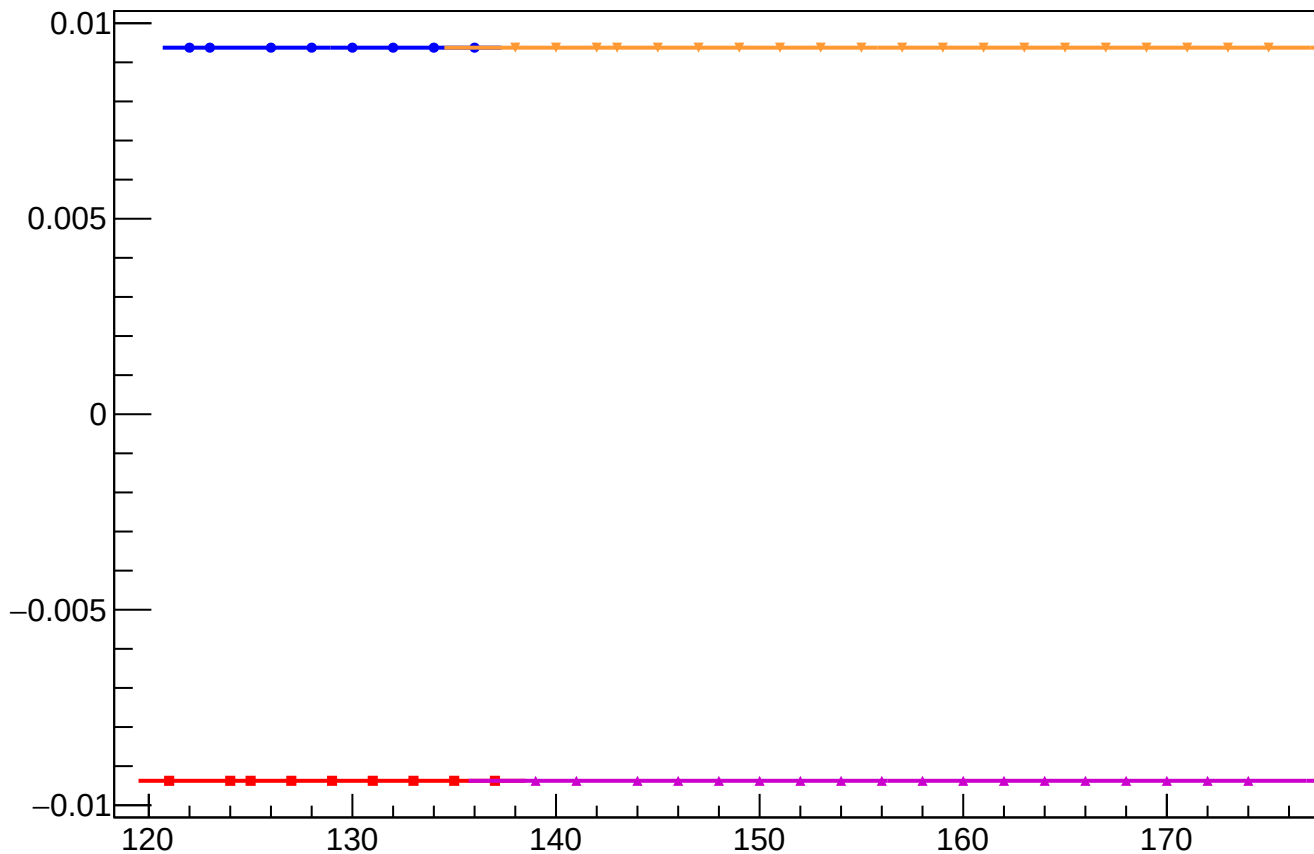
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7
 Left Out: 2174.455 $\pm$ 0.000 χ^2 /NDF: 4205317873437321569058236640788480.0/19
 Right Out: -2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8
 Left In: -2174.642 $\pm$ 0.000 χ^2 /NDF: 3016376771325964658632098408562688.0/17
 All: 75.732 $\pm$ 0.000 χ^2 /NDF: 1732493535760

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 : 16666871294482921
Left Out: -0.000+/-0.000	χ^2/NDF : 342850263732356487577600.0/19	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 : 3590795277090316349
Left In: 0.000+/-0.000	χ^2/NDF : 534116823621160631533568.0/17	Out: -0.000+/-0.000	χ^2/NDF : 34301328289360158
		All: -0.000+/-0.000	χ^2/NDF : 1771764741911

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 : 0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/17

Left: 0.000+/-0.000 χ^2/NDF : 263964863235782374

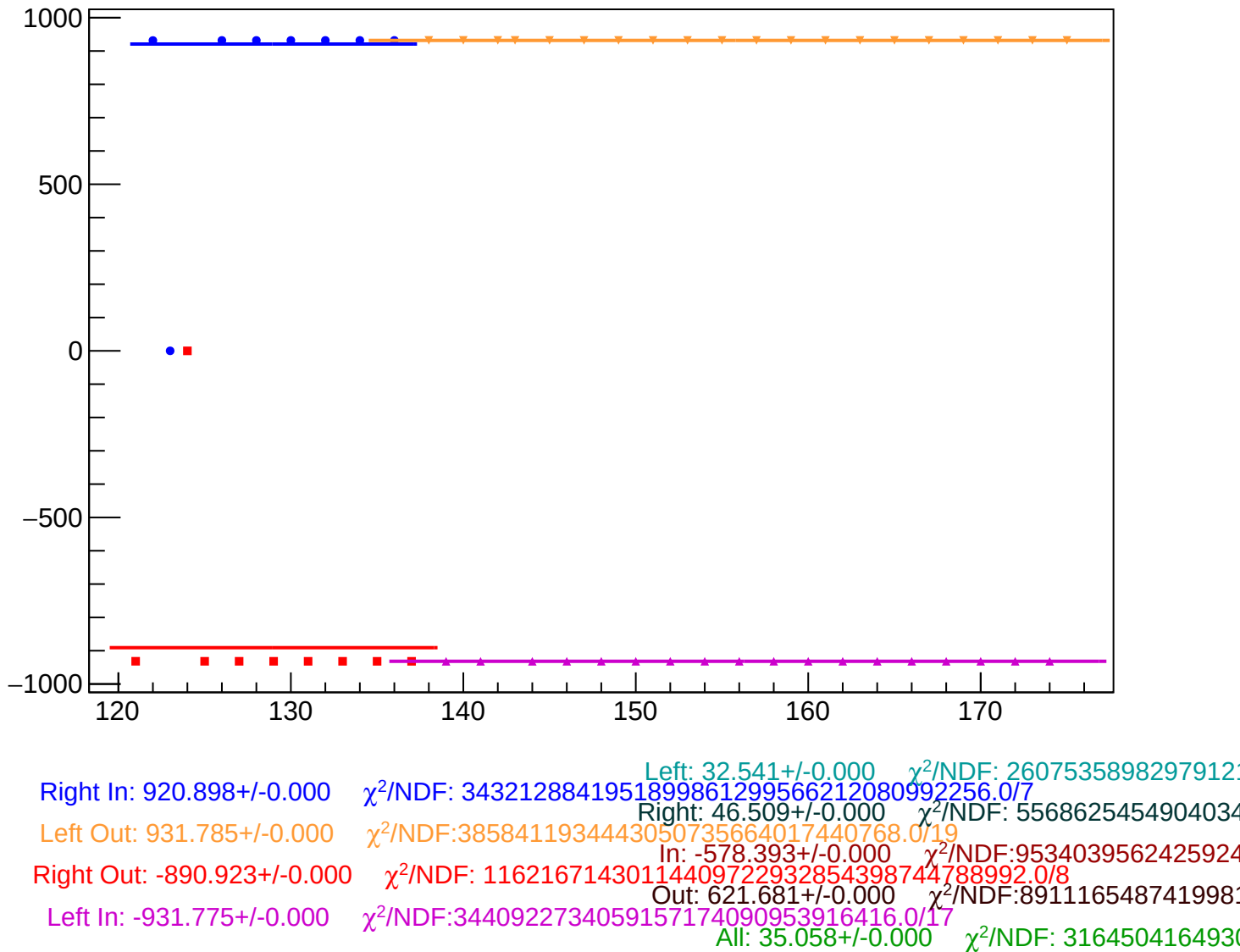
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.006+/-0.000 χ^2/NDF : 973006570691576031

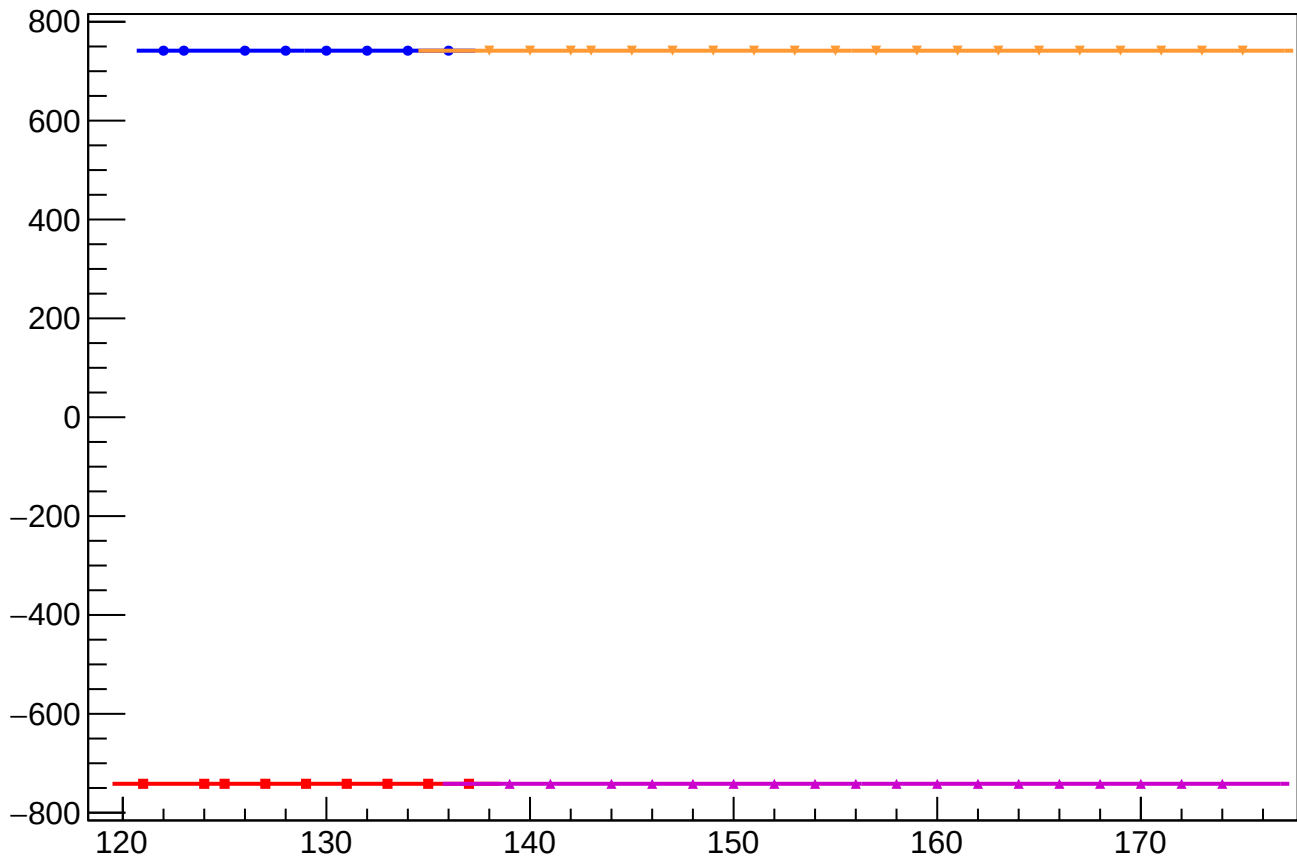
Out: 0.006+/-0.000 χ^2/NDF : 930682499999998147

All: 0.000+/-0.000 χ^2/NDF : 32199022798527

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected

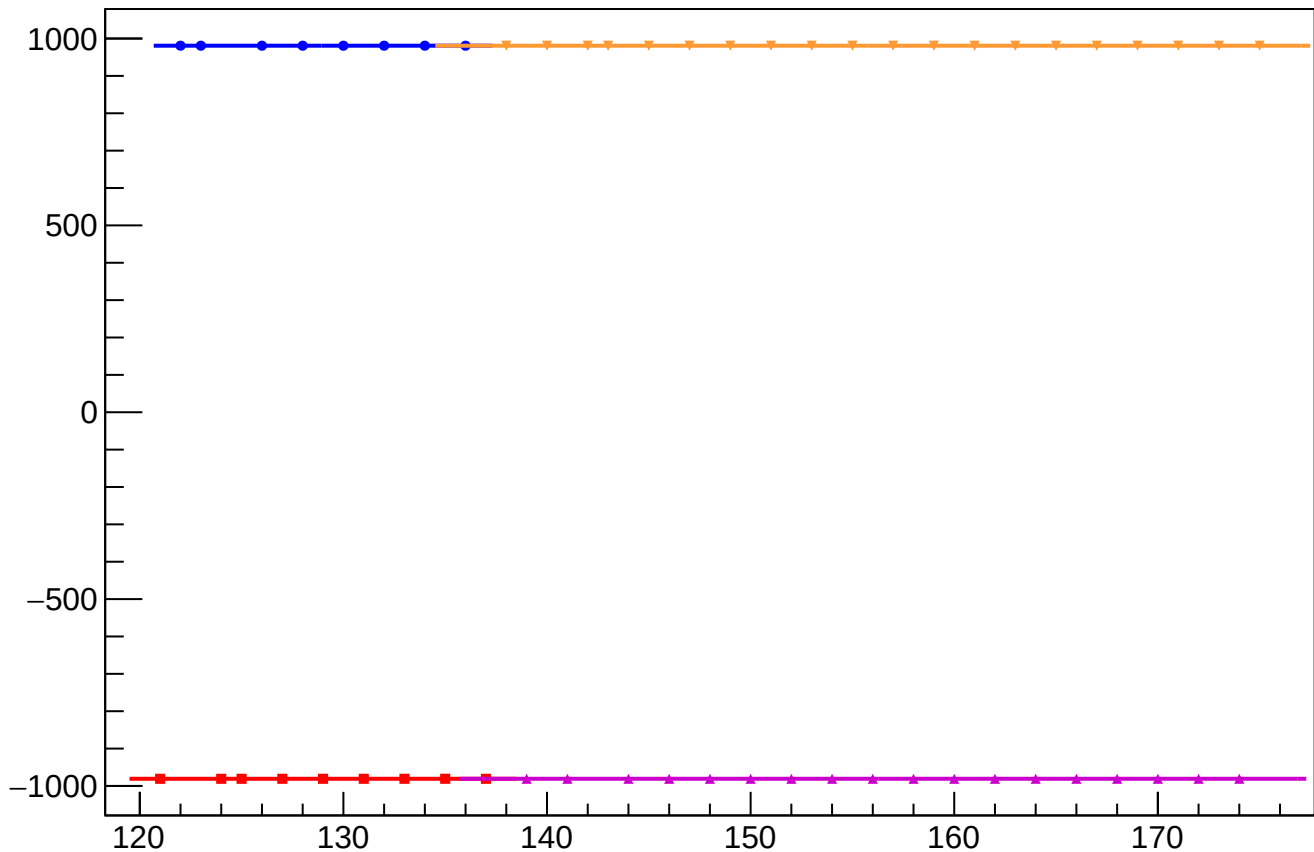


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



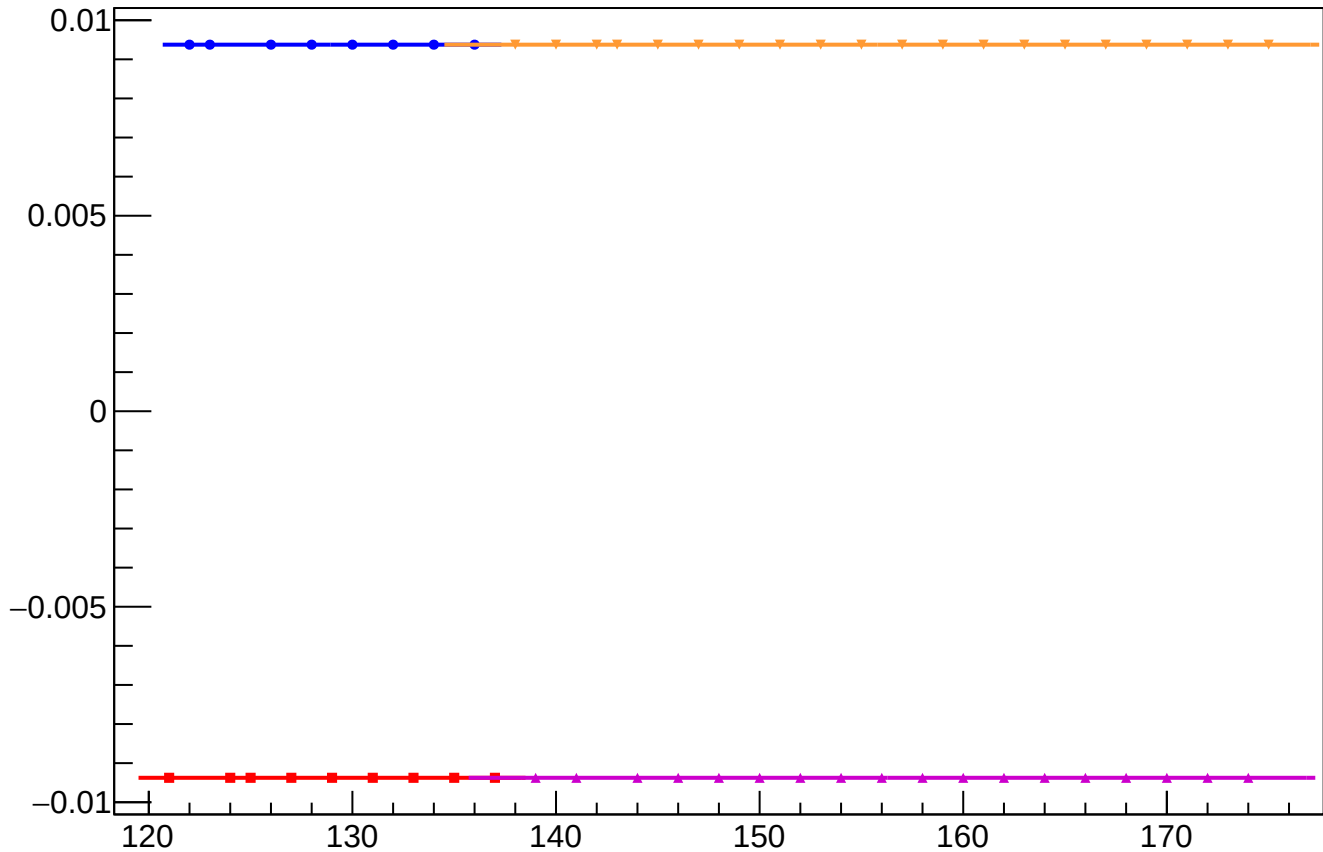
Right In: 741.528 $\pm$ 0.000 χ^2 /NDF: 18896144326732419810052800512.0/7
 Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 195442786739944327869030727680.0/19
 Right Out: -741.529 $\pm$ 0.000 χ^2 /NDF: 16580353917842624420385914880.0/8
 Left In: -741.512 $\pm$ 0.000 χ^2 /NDF: 184885971689019012423247462400.0/17
 All: 25.876 $\pm$ 0.000 χ^2 /NDF: 2014375214857

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825 +/- 0.000 χ^2/NDF : 159345321268745350954763681792.0/7
 Left Out: 980.767 +/- 0.000 χ^2/NDF : 658287090231265625928401682432.0/19
 Right Out: -980.818 +/- 0.000 χ^2/NDF : 143689912167528137563261894656.0/8
 Left In: -980.775 +/- 0.000 χ^2/NDF : 1372437756069350011037884088320.0/17
 All: 34.223 +/- 0.000 χ^2/NDF : 3524060746023

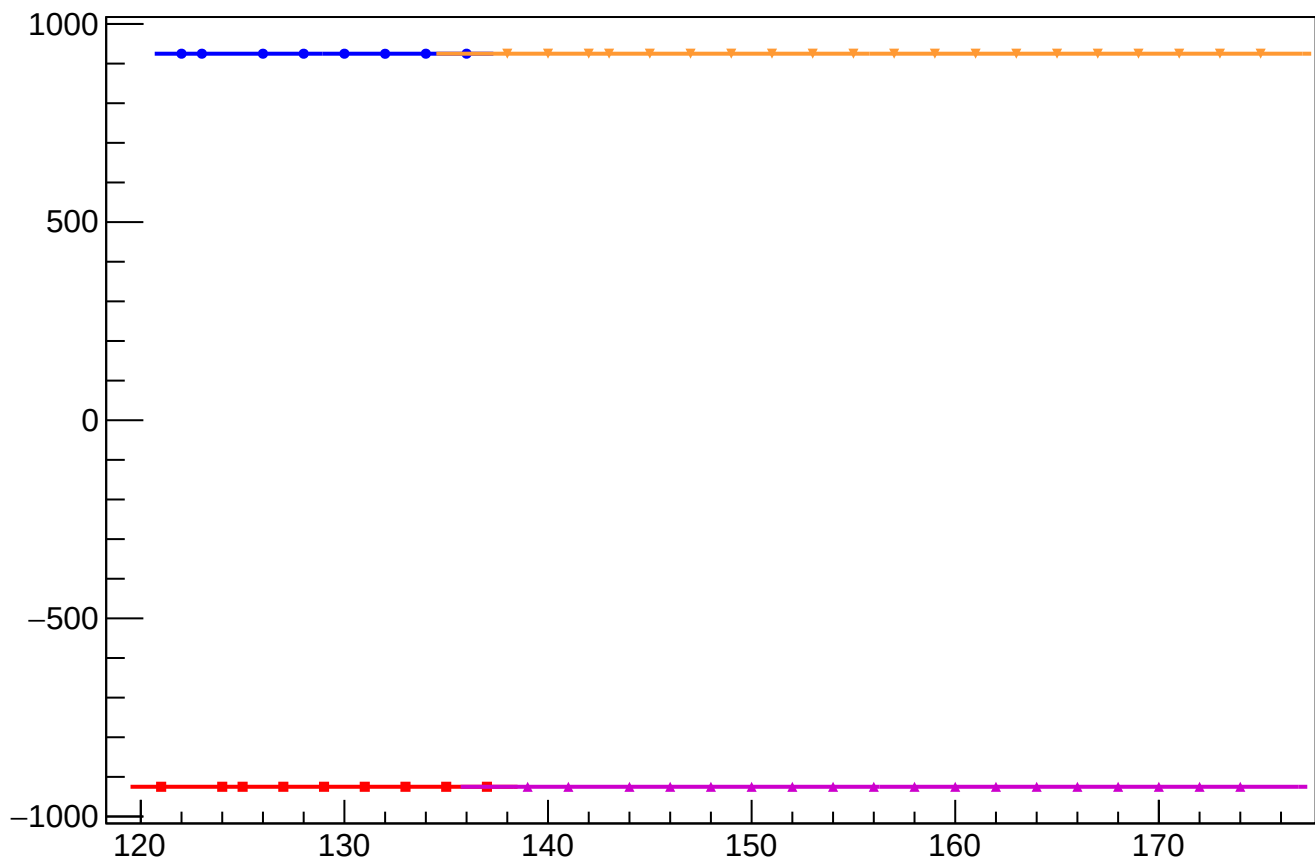
MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7
Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/19
Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8
Left In: -0.009+/-0.000 χ^2/NDF : 0.1/17

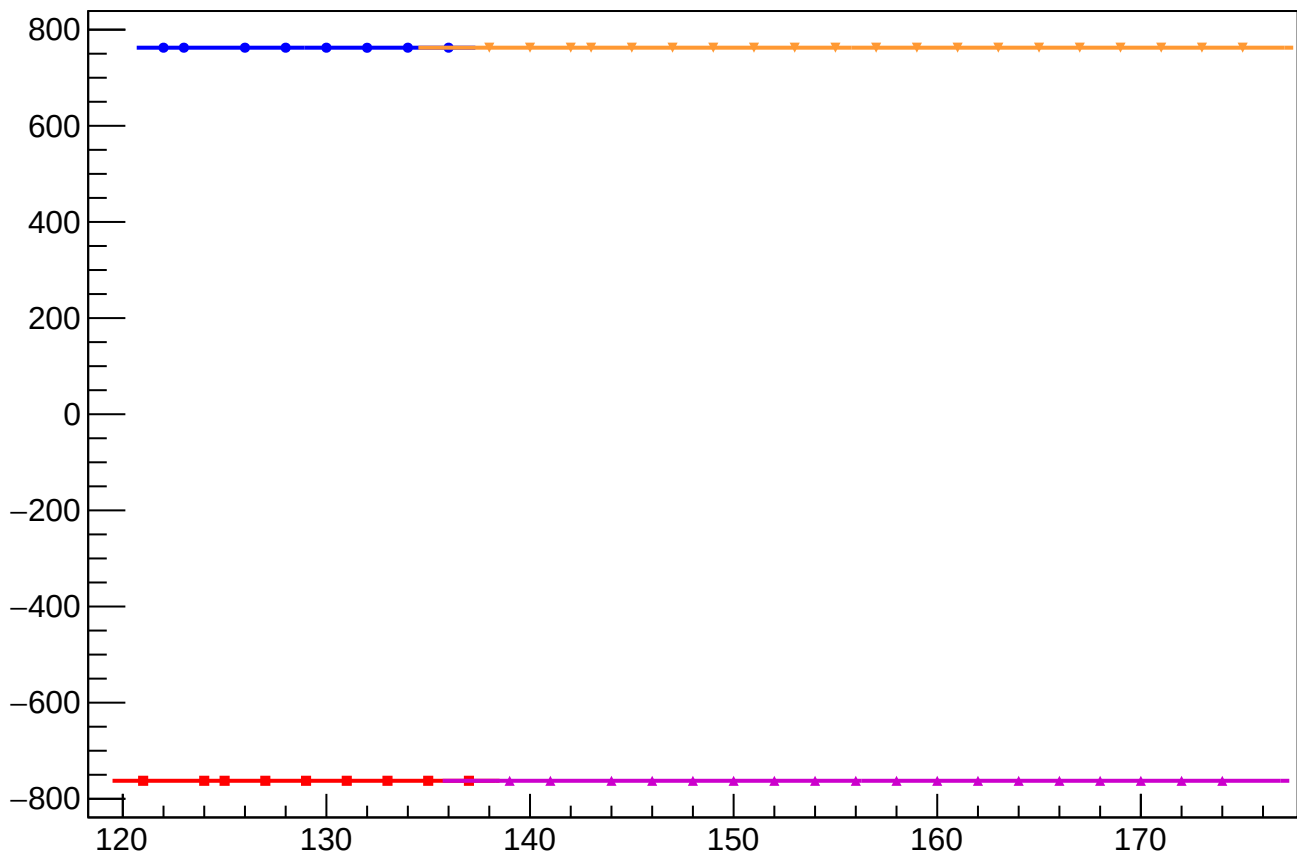
Left: 0.000+/-0.000 χ^2/NDF : 263964863235782374
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994
In: -0.006+/-0.000 χ^2/NDF : 973006570691576031
Out: 0.006+/-0.000 χ^2/NDF : 930682499999998147
All: 0.000+/-0.000 χ^2/NDF : 32199022798527

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



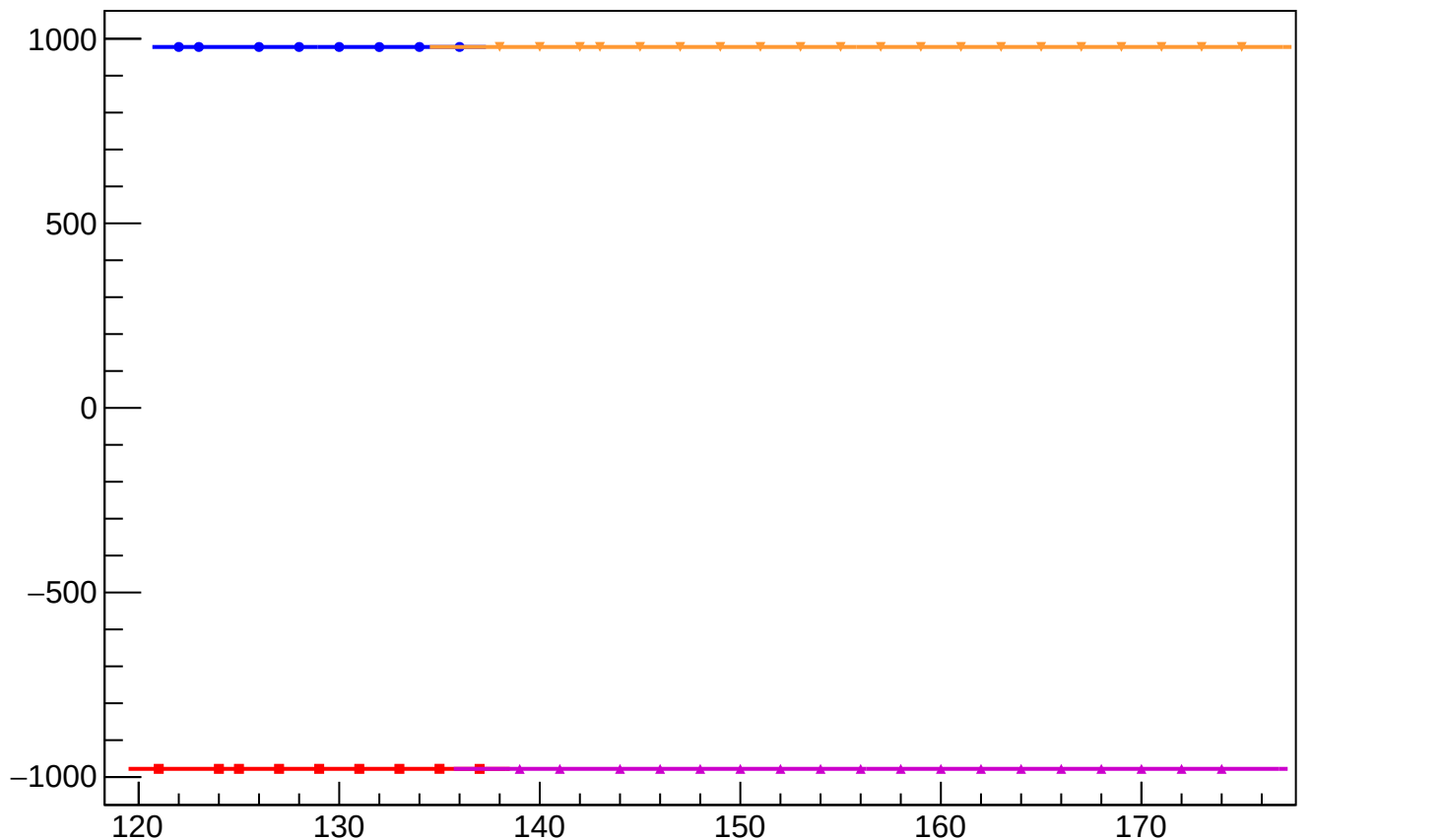
Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7
 Left Out: 924.983+/-0.000 χ^2/NDF : 844259595256691386369475346432.0/19
 Right Out: -924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8
 Left In: -924.985+/-0.000 χ^2/NDF : 716896244509161762519850680320.0/17
 All: 32.276+/-0.000 χ^2/NDF : 3134459340620.0/26

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



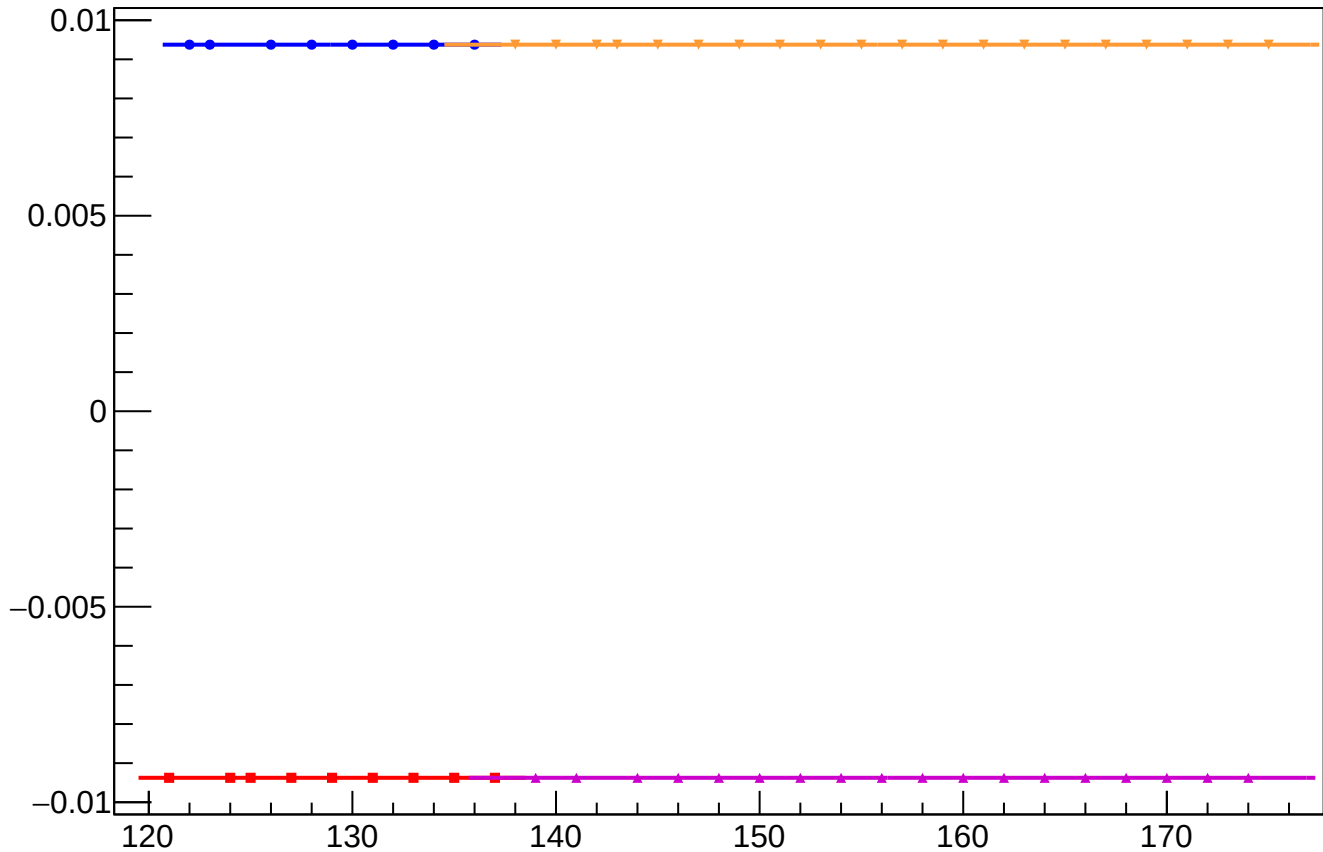
Right In: 762.484+/-0.000	χ^2/NDF : 784430761251084401798891438080.0/7	Left: 26.626+/-0.000	χ^2/NDF : 17462245644757767
Left Out: 762.515+/-0.000	χ^2/NDF : 594978733737028996429212811264.0/19	Right: 26.523+/-0.000	χ^2/NDF : 3838365691051738
Right Out: -762.501+/-0.000	χ^2/NDF : 469794702848036819563446272.0/8	In: -471.634+/-0.000	χ^2/NDF : 6436532838820050
Left In: -762.515+/-0.000	χ^2/NDF : 494698734051504235416947523584.0/17	Out: 503.059+/-0.000	χ^2/NDF : 6156696977617335
		All: 26.607+/-0.000	χ^2/NDF : 2130061139349

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000	χ^2/NDF : 1738104571804792841781326643200.0/7	Left: 34.143+/-0.000	χ^2/NDF : 28710927090891780
Left Out: 977.738+/-0.000	χ^2/NDF : 1127215311523322847280037363712.0/19	Right: 34.023+/-0.000	χ^2/NDF : 6311333196839596
Right Out: -977.737+/-0.000	χ^2/NDF : 772313054358211830610902646784.0/8	In: -604.744+/-0.000	χ^2/NDF : 1058322702178844
Left In: -977.735+/-0.000	χ^2/NDF : 959347616001683134177848852480.0/17	Out: 645.047+/-0.000	χ^2/NDF : 1012286717793533
	All: 34.121+/-0.000		χ^2/NDF : 3502226036517

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/19

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.1/17

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 263964863235782374

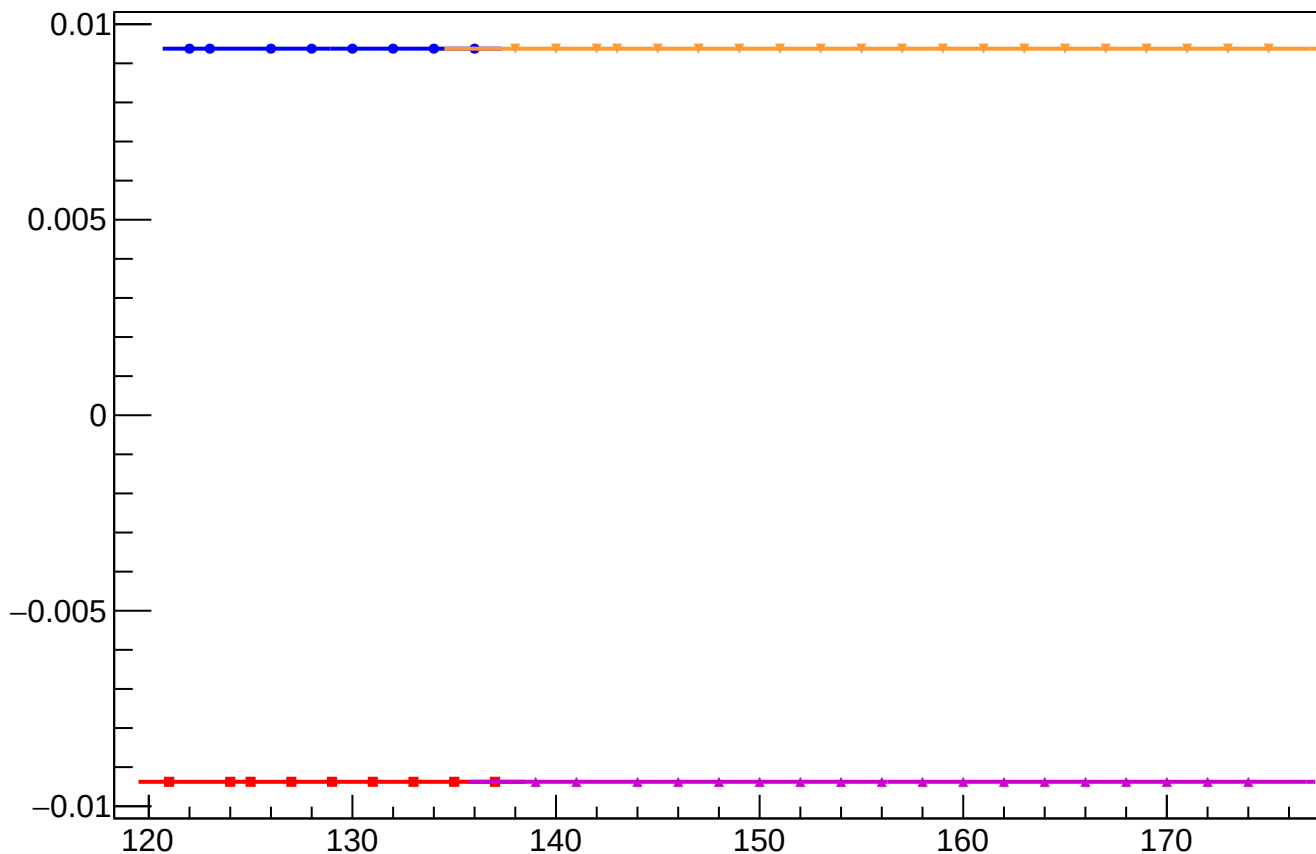
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.006 $\pm$ 0.000 χ^2 /NDF:973006570691576031

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:930682499999998147

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32199022798527

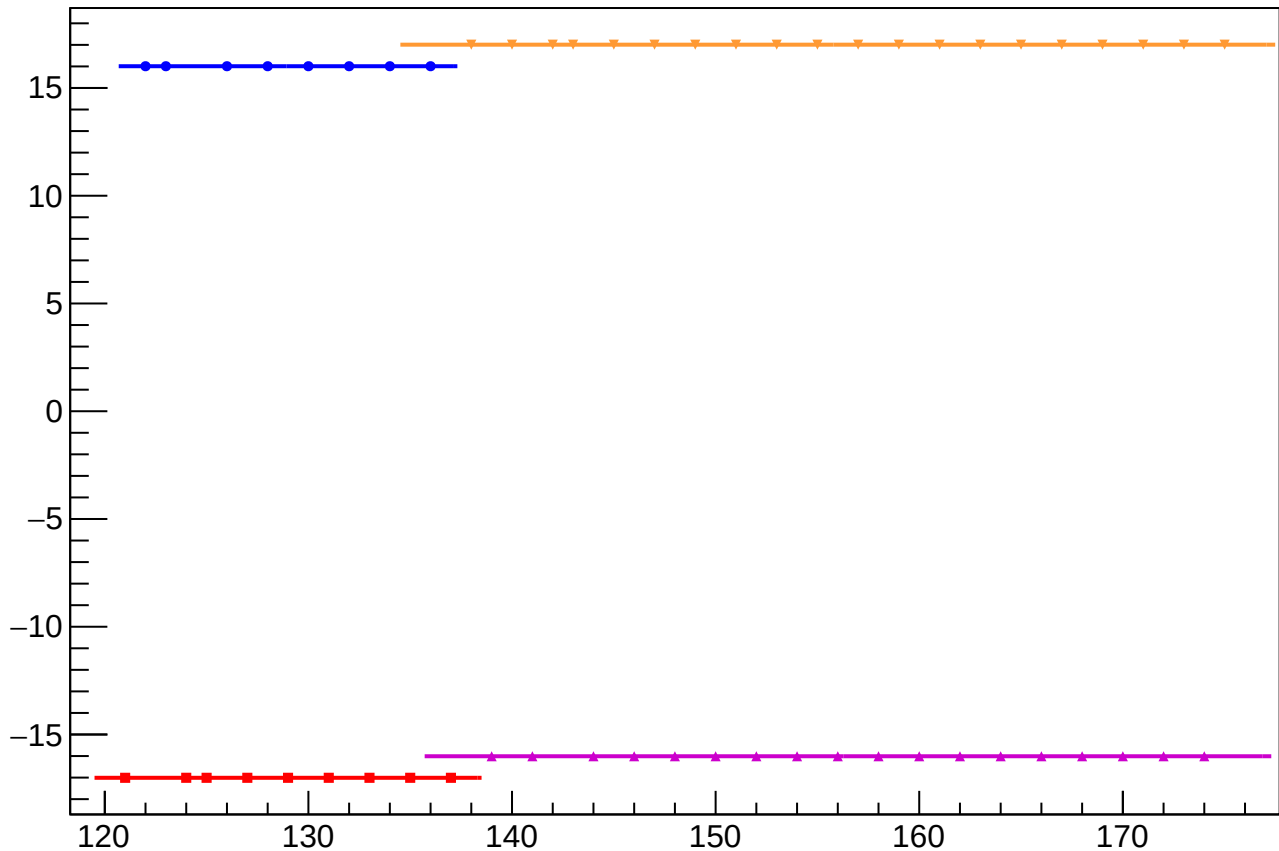
MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7
 Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/19
 Right Out: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8
 Left In: -0.009 $\pm$ 0.000 χ^2/NDF : 0.1/17

Left: 0.000 $\pm$ 0.000 χ^2/NDF : 263964863235782374
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 58025364031769994
 In: -0.006 $\pm$ 0.000 χ^2/NDF : 973006570691576031
 Out: 0.006 $\pm$ 0.000 χ^2/NDF : 930682499999998147
 All: 0.000 $\pm$ 0.000 χ^2/NDF : 32199022798527

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: 23166597556081921970143232.0/19

Right Out: -17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

Left In: -16.009 $\pm$ 0.000 χ^2 /NDF: 126536526272078544896000.0/17

Left: 1.027 $\pm$ 0.000 χ^2 /NDF: 758843124762985678

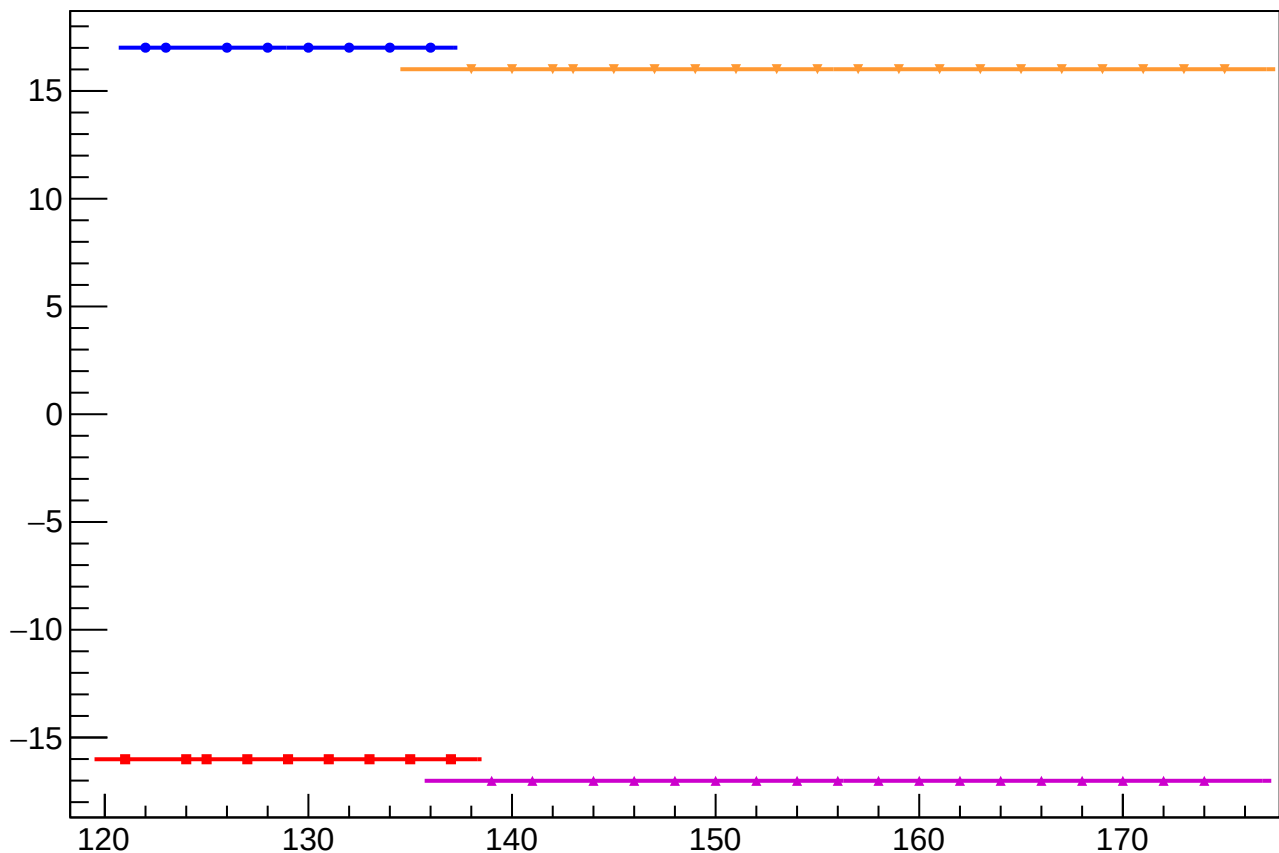
Right: -0.126 $\pm$ 0.000 χ^2 /NDF: 1683539334964133

In: -9.933 $\pm$ 0.000 χ^2 /NDF: 262478344401592288

Out: 11.105 $\pm$ 0.000 χ^2 /NDF: 28883304639981447

All: 0.818 $\pm$ 0.000 χ^2 /NDF: 92786962008639

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 55371.7/19

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: -17.009+/-0.000 χ^2/NDF : 113661769845788630843392.0/17

Left: 0.155+/-0.000 χ^2/NDF : 801966574043424283

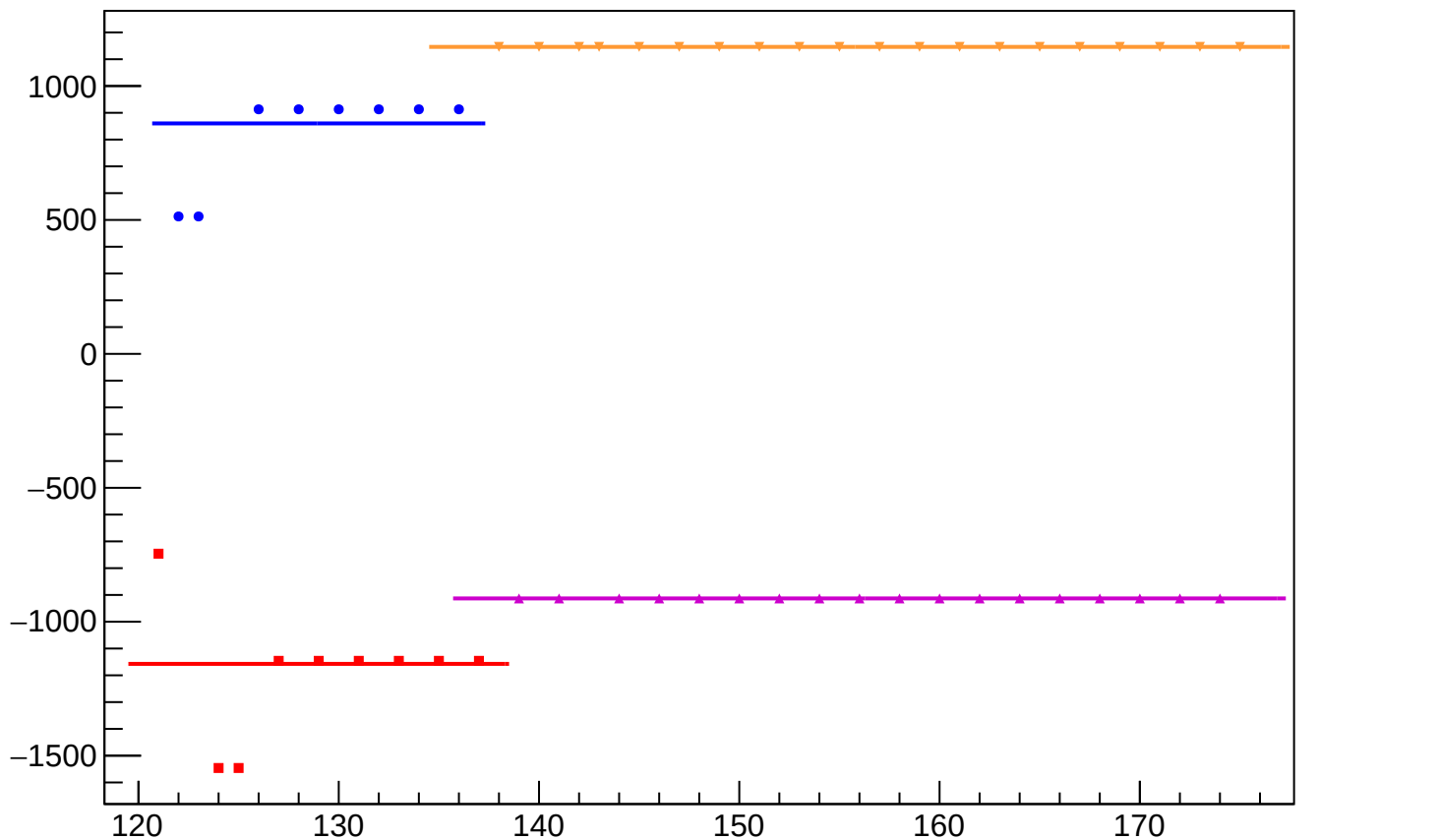
Right: 1.074+/-0.000 χ^2/NDF : 17994367493156690

In: -10.388+/-0.000 χ^2/NDF : 31874797277561971

Out: 10.491+/-0.000 χ^2/NDF : 27067726278303994

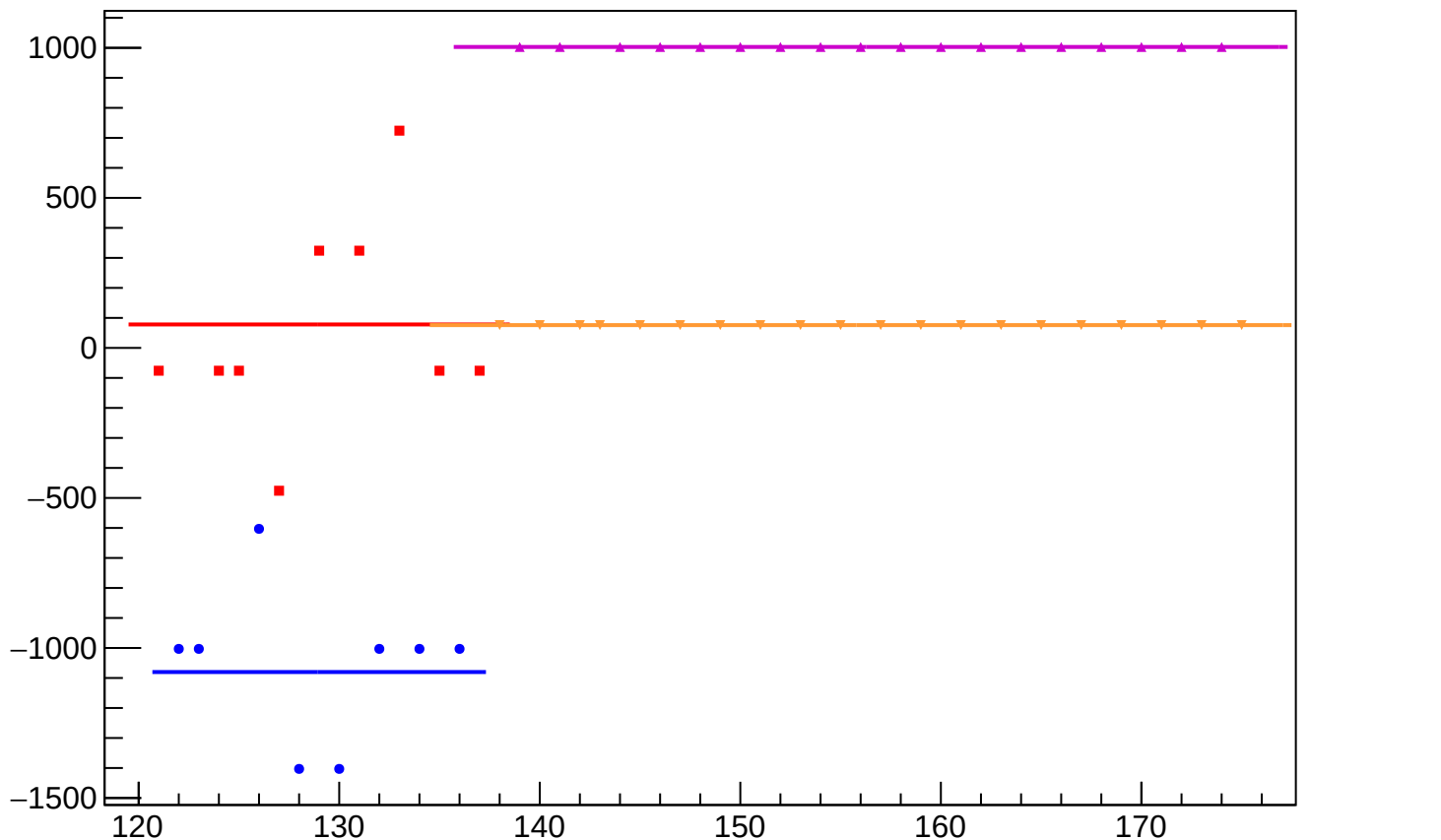
All: 0.324+/-0.000 χ^2/NDF : 98236623930710

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 : 4709544628538996258408235008.0/19
 Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8
 Left In: -912.995+/-0.000 χ^2/NDF : 22824128529436191353682788352.0/17
 All: 104.554+/-0.000 χ^2/NDF : 391349270976

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182 $\pm$ 0.000 χ^2 /NDF: 21641787691490496475350584298794123264.0/7
 Left Out: 76.011 $\pm$ 0.000 χ^2 /NDF: 10067013089678785617825103872.0/19
 Right Out: 78.224 $\pm$ 0.000 χ^2 /NDF: 39611265375063350144036471826150326272.0/8
 Left In: 1002.990 $\pm$ 0.000 χ^2 /NDF: 2192616263018197865675620352.0/17
 All: 335.099 $\pm$ 0.000 χ^2 /NDF: 151904278168