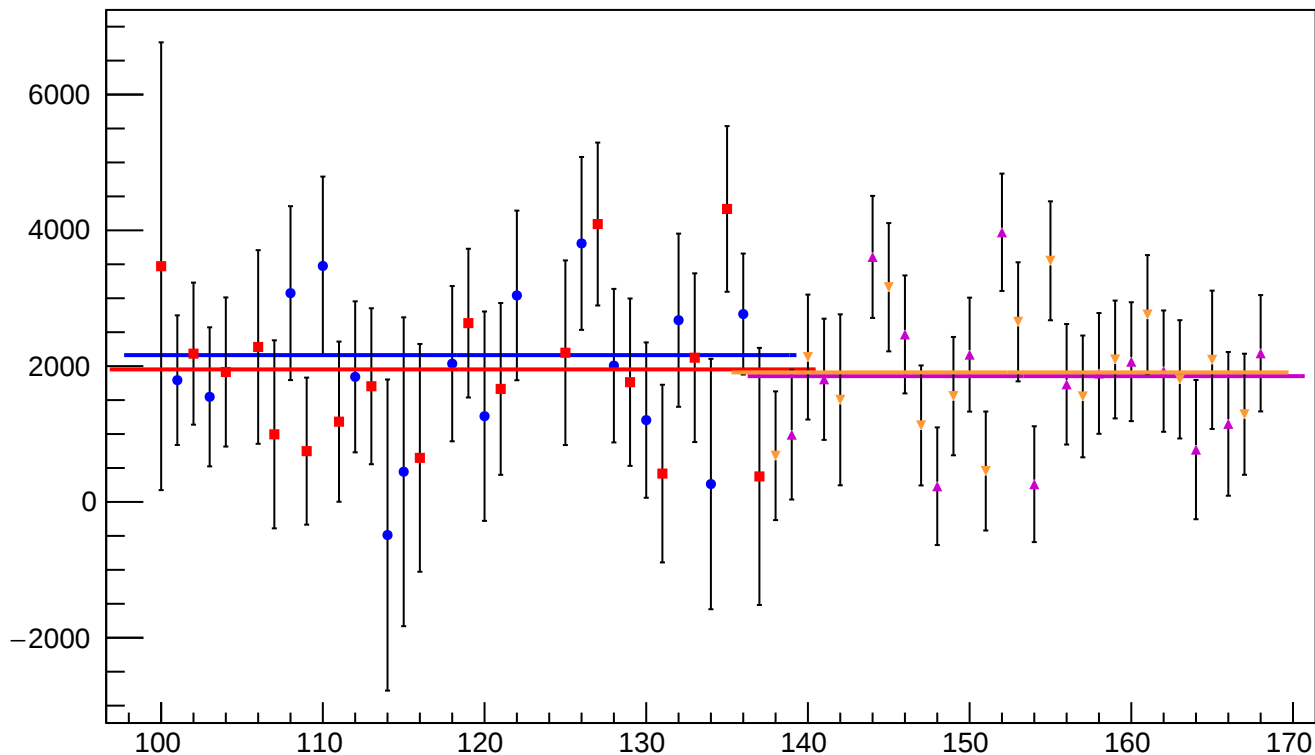


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

Left Out: 1908.064+/-235.950

Right Out: 1952.148+/-300.581

Left In: 1852.790+/-231.405

χ^2/NDF : 8.9/15

χ^2/NDF : 13.2/14

χ^2/NDF : 12.6/17

χ^2/NDF : 20.1/14

Left: 1879.890+/-165.212

Right: 2054.903+/-214.883

In: 1964.787+/-184.858

Out: 1924.872+/-185.598

All: 1944.909+/-130.975

χ^2/NDF : 33.3/29

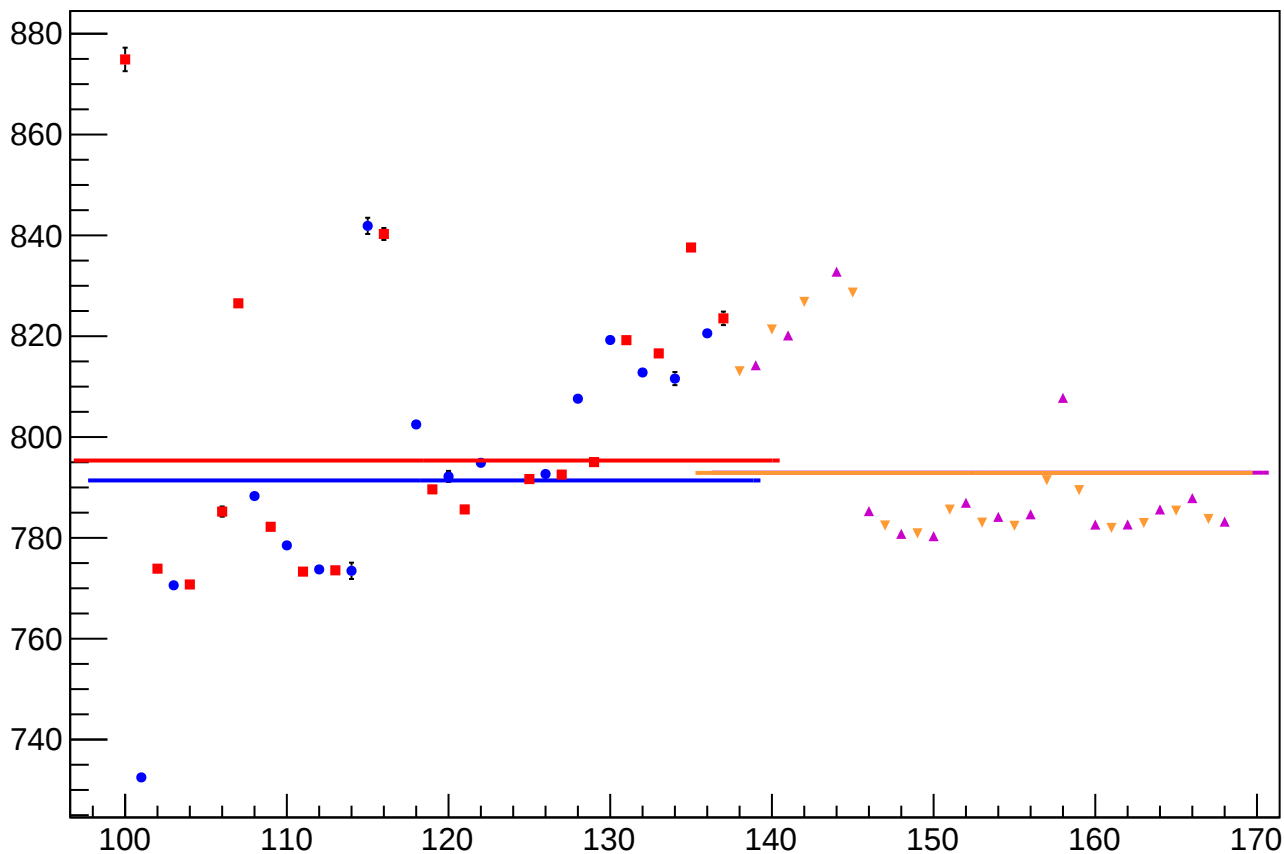
χ^2/NDF : 21.8/33

χ^2/NDF : 29.6/30

χ^2/NDF : 25.8/32

χ^2/NDF : 55.5/63

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 792.886 $\pm$ 0.167 χ^2/NDF :9396.7/14

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

Left In: 792.934 $\pm$ 0.164 χ^2/NDF :9767.3/14

Left: 792.911 $\pm$ 0.117 χ^2/NDF : 19164.1/29

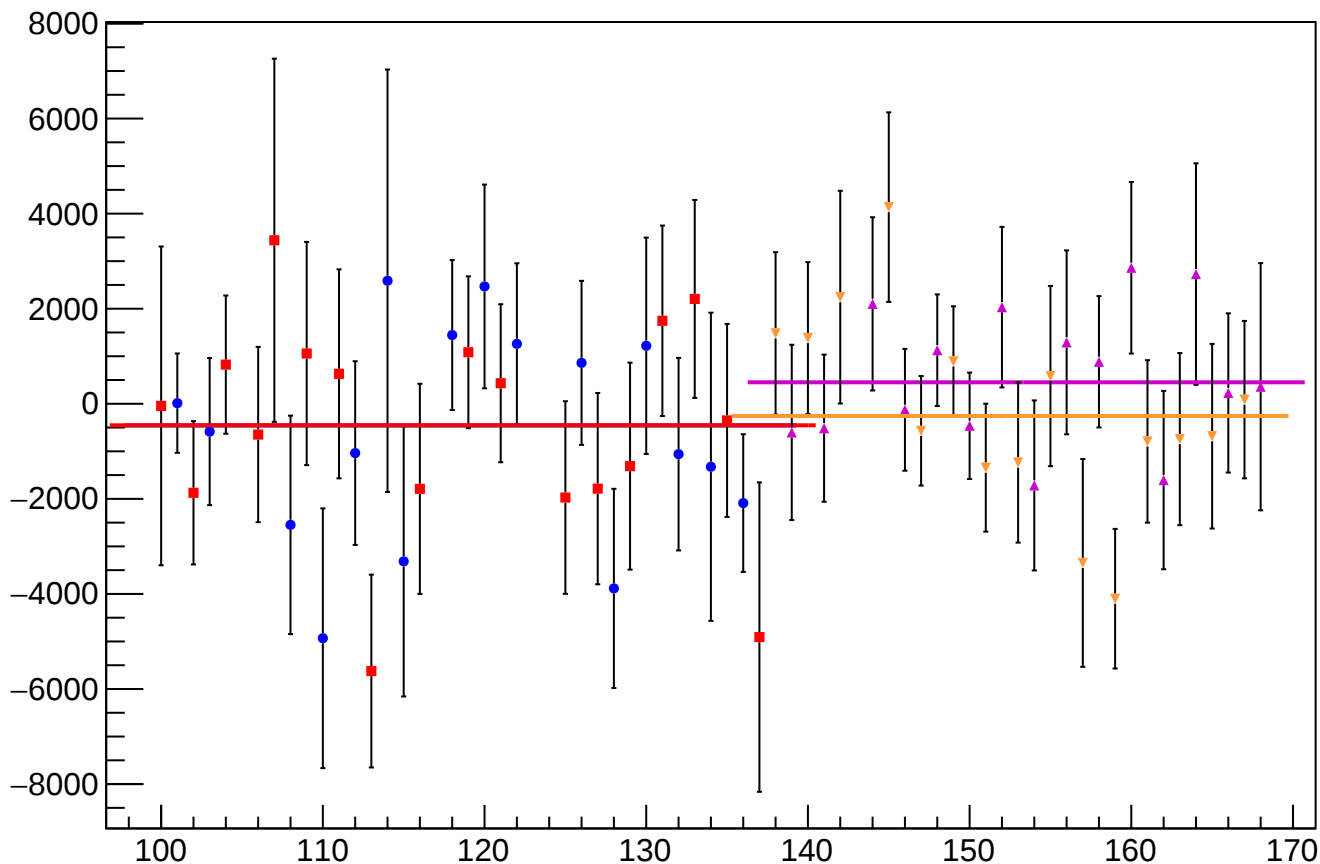
Right: 793.411 $\pm$ 0.152 χ^2/NDF : 26737.3/33

In: 792.375 $\pm$ 0.131 χ^2/NDF :24807.8/30

Out: 793.824 $\pm$ 0.131 χ^2/NDF :21039.3/32

All: 793.097 $\pm$ 0.093 χ^2/NDF : 45908.2/63

asym_us_avg_correction_mean vs Slug, Sign Corrected



Left: 99.584 $\pm$ 292.393 χ^2/NDF : 30.3/29

Right: -454.187 $\pm$ 331.236 χ^2/NDF : 32.2/33

In: 51.571 $\pm$ 308.313 χ^2/NDF : 26.3/30

Out: -341.785 $\pm$ 311.724 χ^2/NDF : 37.0/32

All: -142.944 $\pm$ 219.206 χ^2/NDF : 64.1/63

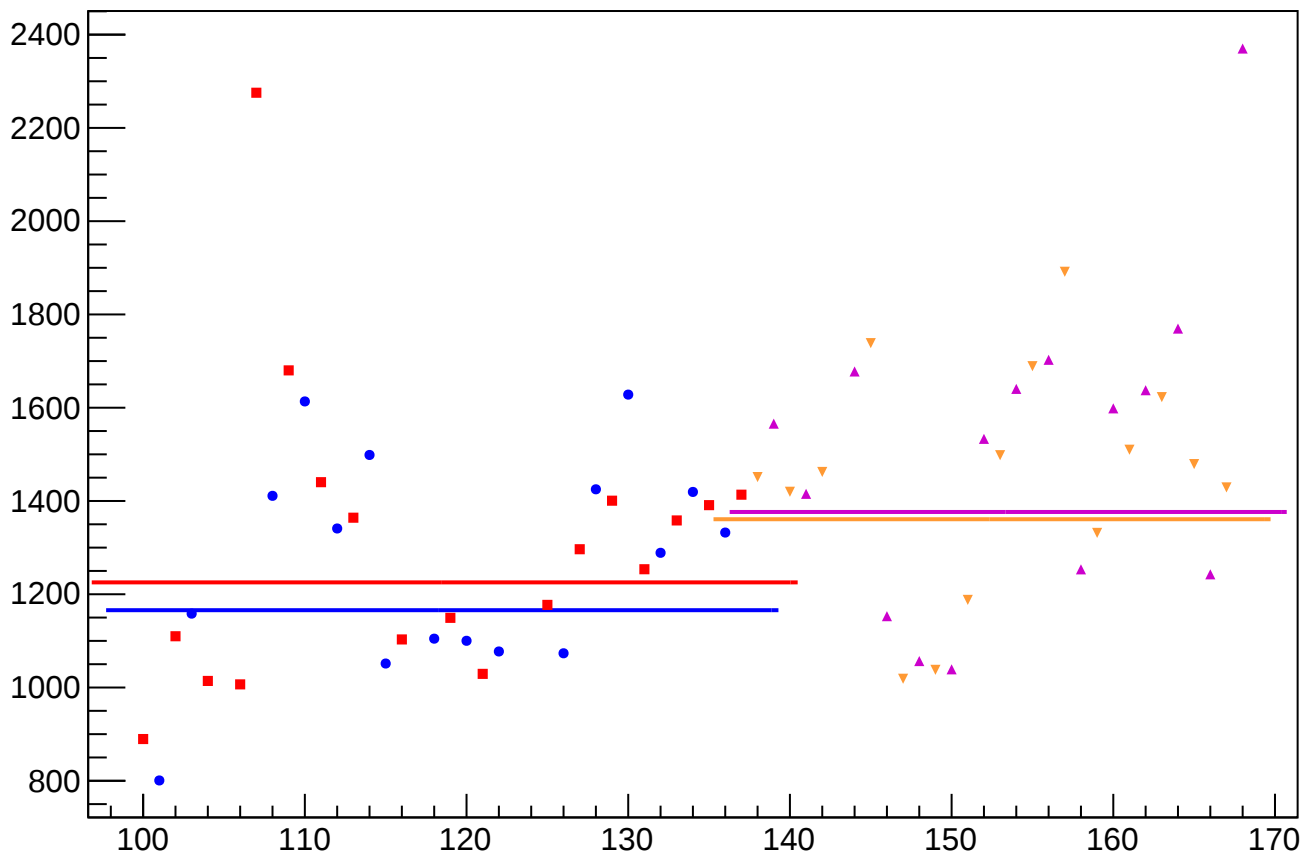
Right In: -455.675 $\pm$ 464.232 χ^2/NDF : 14.9/15

Left Out: -256.514 $\pm$ 414.626 χ^2/NDF : 19.5/14

Right Out: -452.644 $\pm$ 472.760 χ^2/NDF : 17.3/17

Left In: 451.866 $\pm$ 412.397 χ^2/NDF : 9.3/14

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1360.859 $\pm$ 0.293 χ^2 /NDF: 708395.1/14

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

Left In: 1376.434 $\pm$ 0.292 χ^2 /NDF: 1032465.6/14

Left: 1368.688 $\pm$ 0.207 χ^2 /NDF: 1742279.2/29

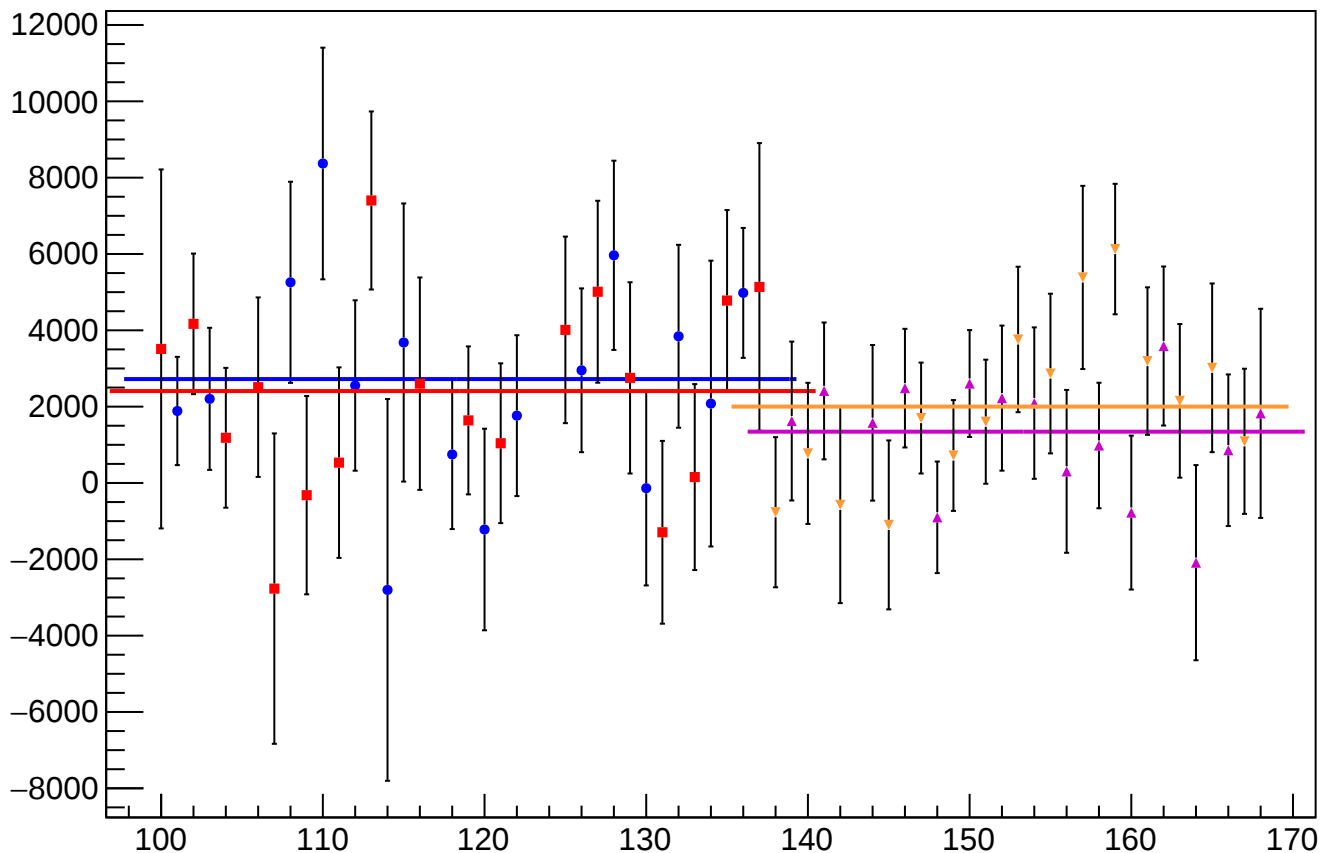
Right: 1195.087 $\pm$ 0.234 χ^2 /NDF: 983424.3/33

In: 1283.533 $\pm$ 0.218 χ^2 /NDF: 1789367.9/30

Out: 1301.987 $\pm$ 0.220 χ^2 /NDF: 1241558.8/32

All: 1292.659 $\pm$ 0.155 χ^2 /NDF: 3034469.8/63

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 2001.369 $\pm$ 485.180 χ^2/NDF : 15.9/14

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

Left In: 1344.242 $\pm$ 481.642 χ^2/NDF : 8.9/14

Left: 1670.401 $\pm$ 341.816 χ^2/NDF : 25.7/29

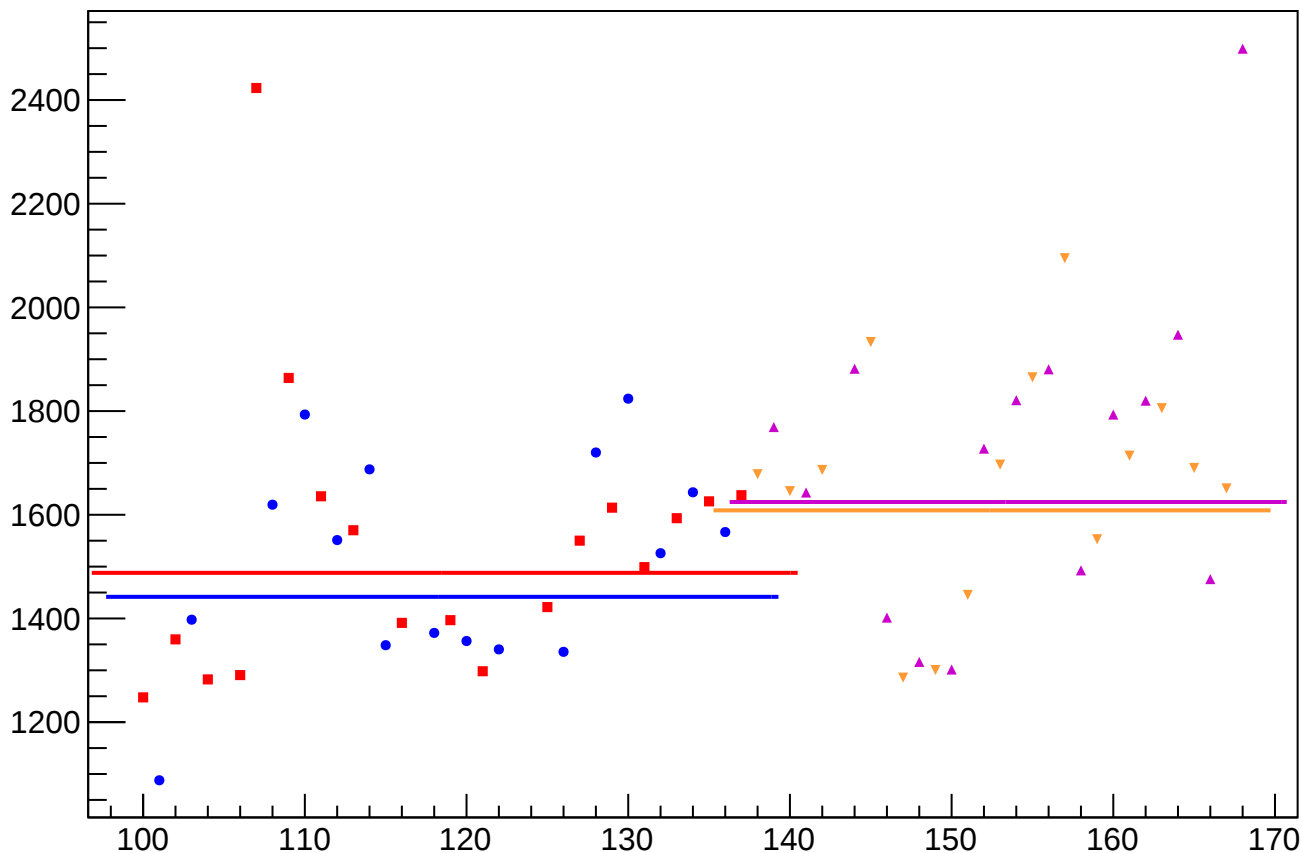
Right: 2565.881 $\pm$ 401.681 χ^2/NDF : 31.0/33

In: 1921.659 $\pm$ 367.122 χ^2/NDF : 26.9/30

Out: 2172.751 $\pm$ 369.181 χ^2/NDF : 32.5/32

All: 2046.503 $\pm$ 260.319 χ^2/NDF : 59.6/63

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1608.514 +/- 0.343 χ^2/NDF : 404393.6/14

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

Left In: 1624.649 +/- 0.341 χ^2/NDF : 623769.2/14

Left: 1616.641 +/- 0.242 χ^2/NDF : 1029277.0/29

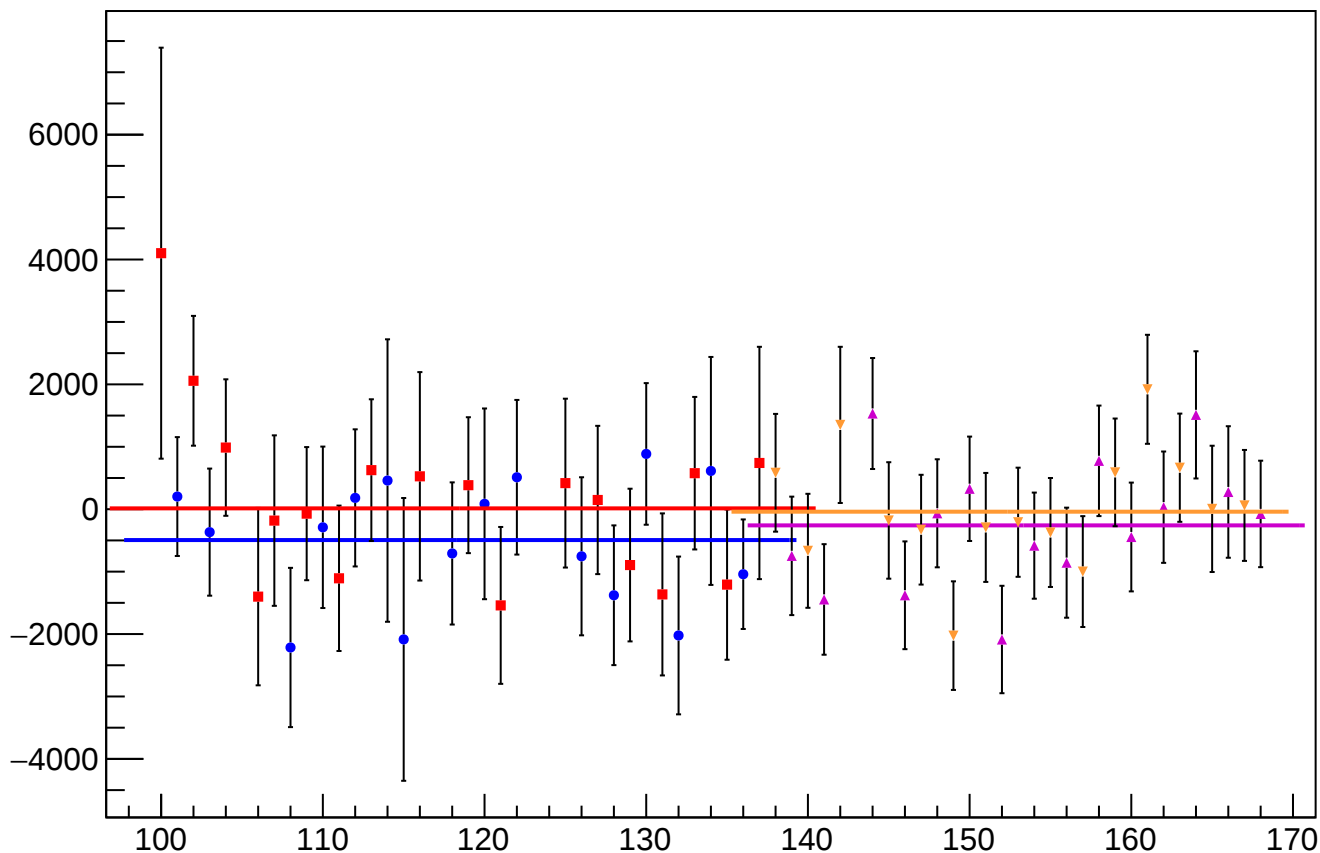
Right: 1464.799 +/- 0.284 χ^2/NDF : 538687.7/33

In: 1548.001 +/- 0.260 χ^2/NDF : 1020555.3/30

Out: 1557.787 +/- 0.261 χ^2/NDF : 712462.3/32

All: 1552.867 +/- 0.184 χ^2/NDF : 1733724.2/63

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -39.717 ± 234.678 χ^2/NDF : 15.2/14

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

Left In: -259.076 ± 230.211 χ^2/NDF : 18.3/14

Left: -151.504 ± 164.340 χ^2/NDF : 33.9/29

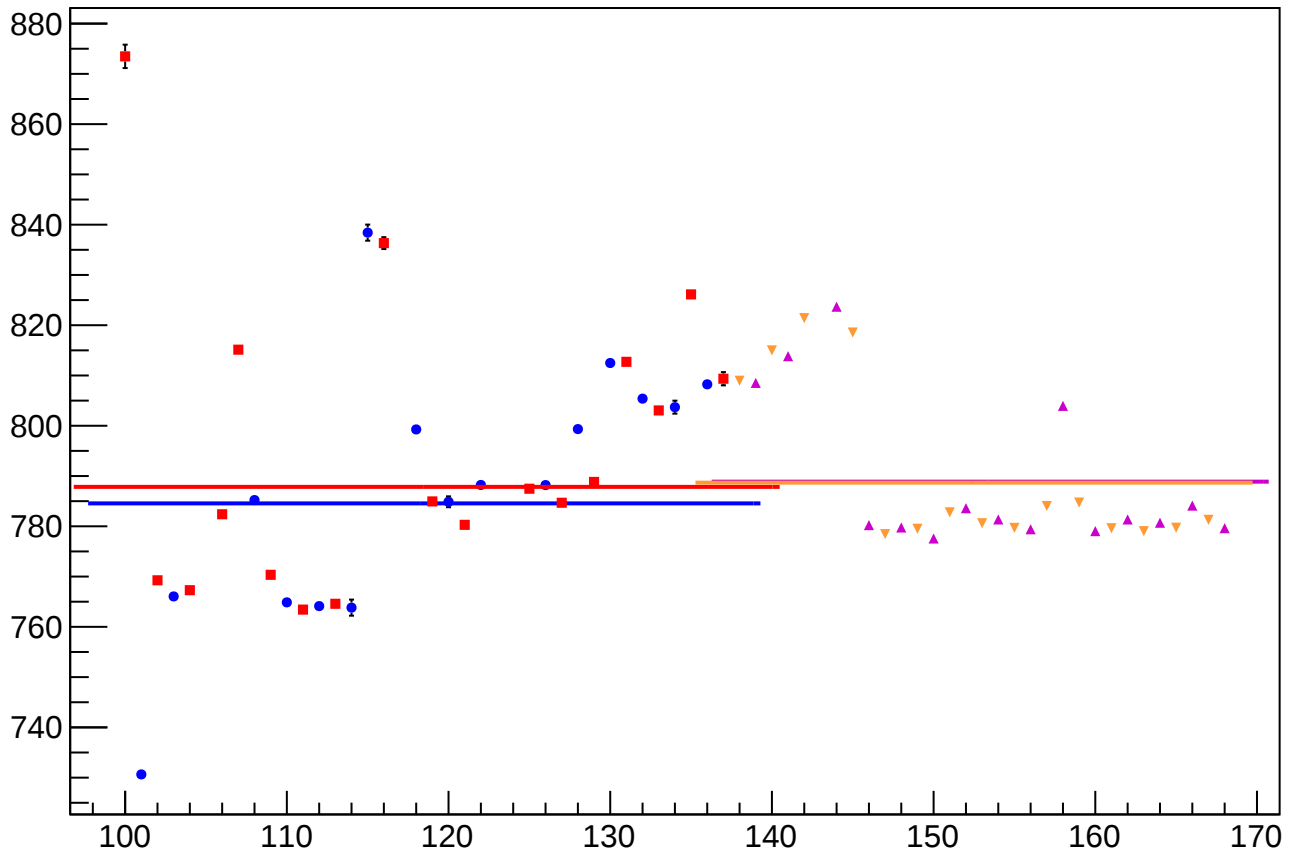
Right: -234.534 ± 212.932 χ^2/NDF : 23.4/33

In: -344.547 ± 183.667 χ^2/NDF : 27.3/30

Out: -19.320 ± 184.308 χ^2/NDF : 28.5/32

All: -182.500 ± 130.098 χ^2/NDF : 57.4/63

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 788.682 $\pm$ 0.166 χ^2 /NDF: 7827.1/14

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

Left In: 788.880 $\pm$ 0.163 χ^2 /NDF: 8145.4/14

Left: 788.783 $\pm$ 0.116 χ^2 /NDF: 15973.2/29

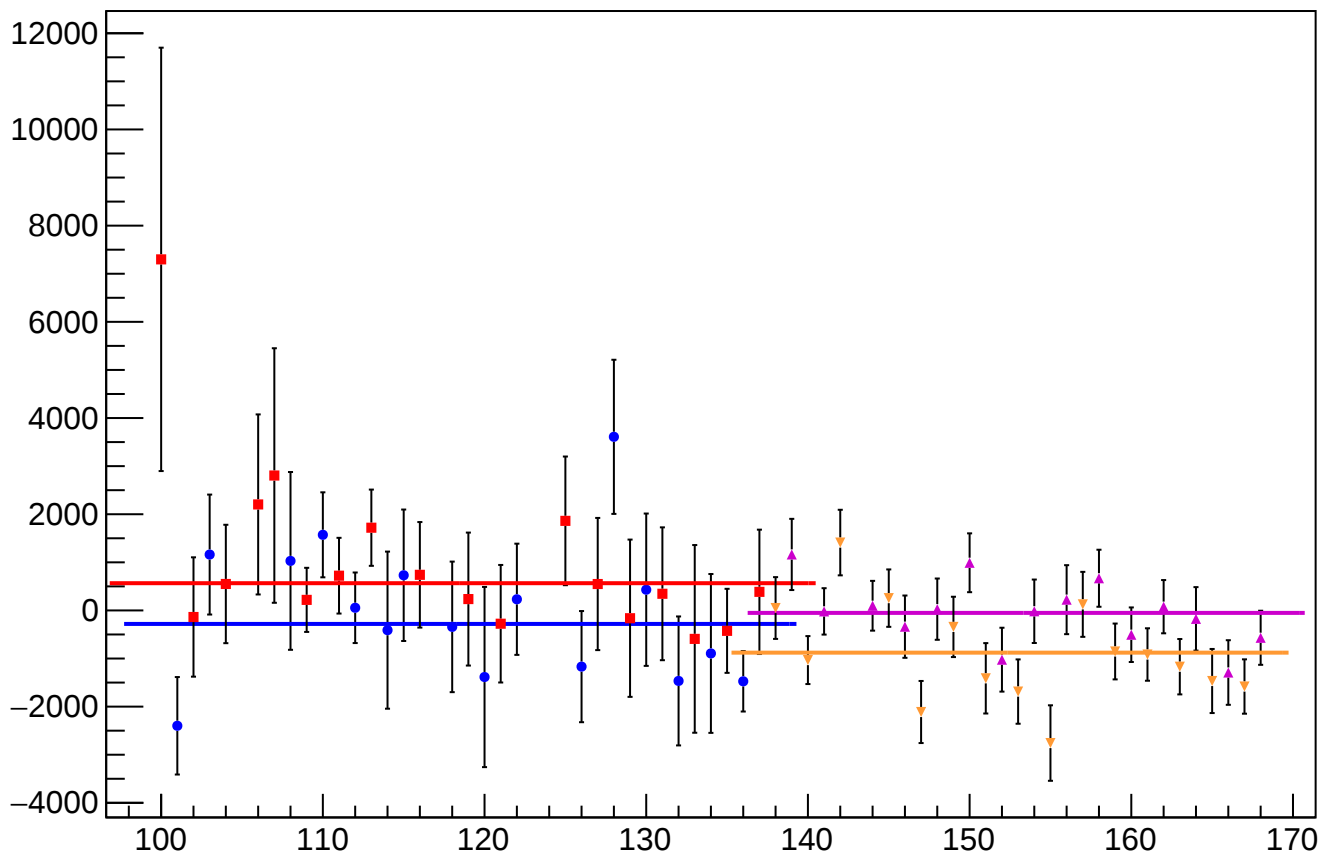
Right: 786.239 $\pm$ 0.151 χ^2 /NDF: 24705.7/33

In: 787.309 $\pm$ 0.130 χ^2 /NDF: 22079.4/30

Out: 788.361 $\pm$ 0.130 χ^2 /NDF: 18745.9/32

All: 787.833 $\pm$ 0.092 χ^2 /NDF: 40857.9/63

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -280.632 ± 282.501 χ^2/NDF : 23.1/15

Left Out: -877.739 ± 160.116 χ^2/NDF : 34.0/14

Right Out: 566.224 ± 272.883 χ^2/NDF : 9.9/17

Left In: -51.262 ± 156.586 χ^2/NDF : 14.6/14

Left: -455.291 ± 111.950 χ^2/NDF : 62.3/29

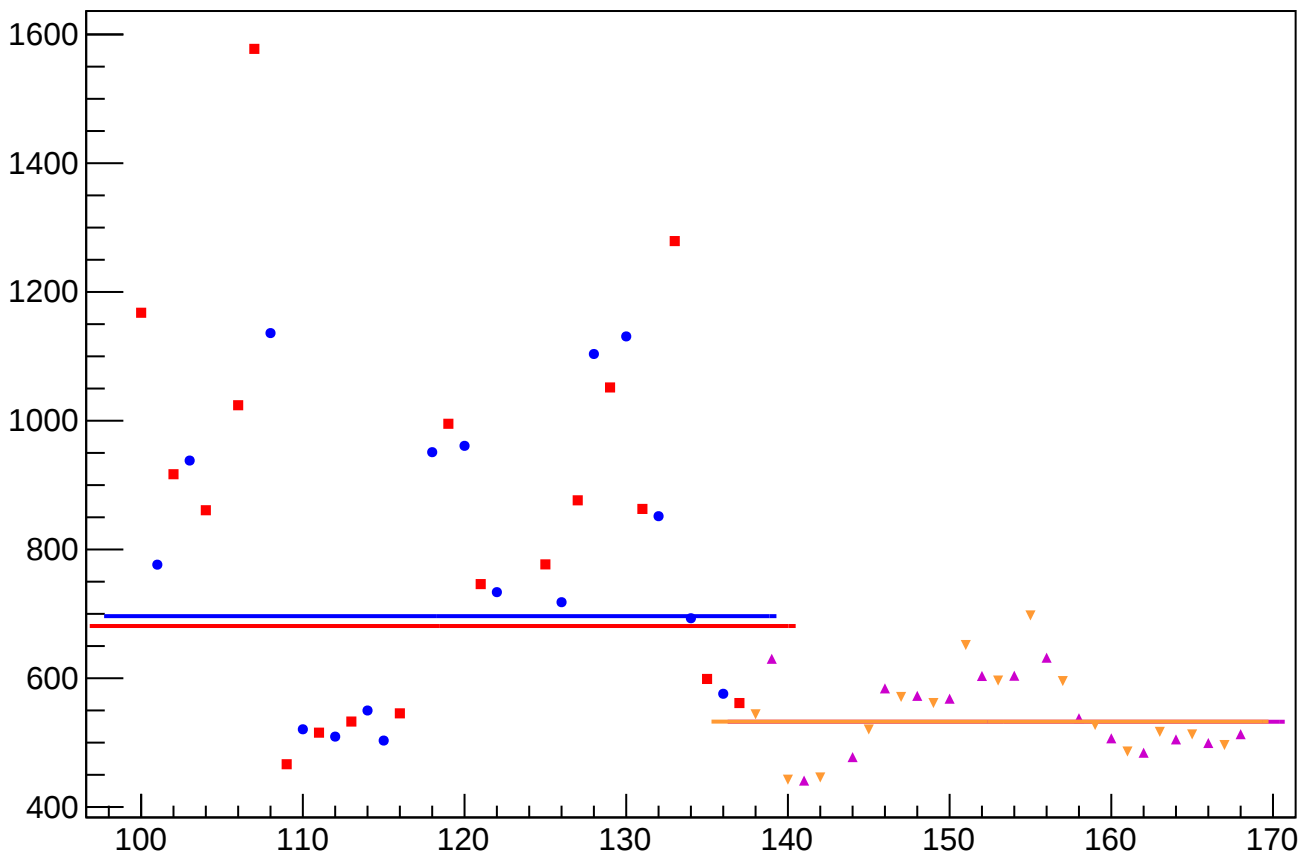
Right: 157.456 ± 196.270 χ^2/NDF : 37.7/33

In: -105.170 ± 136.955 χ^2/NDF : 38.3/30

Out: -507.928 ± 138.098 χ^2/NDF : 64.8/32

All: -304.874 ± 97.243 χ^2/NDF : 107.3/63

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 532.640 $\pm$ 0.113 χ^2/NDF : 313642.4/14

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

Left In: 532.429 $\pm$ 0.111 χ^2/NDF : 271898.4/14

Left: 532.532 $\pm$ 0.079 χ^2/NDF : 585542.6/29

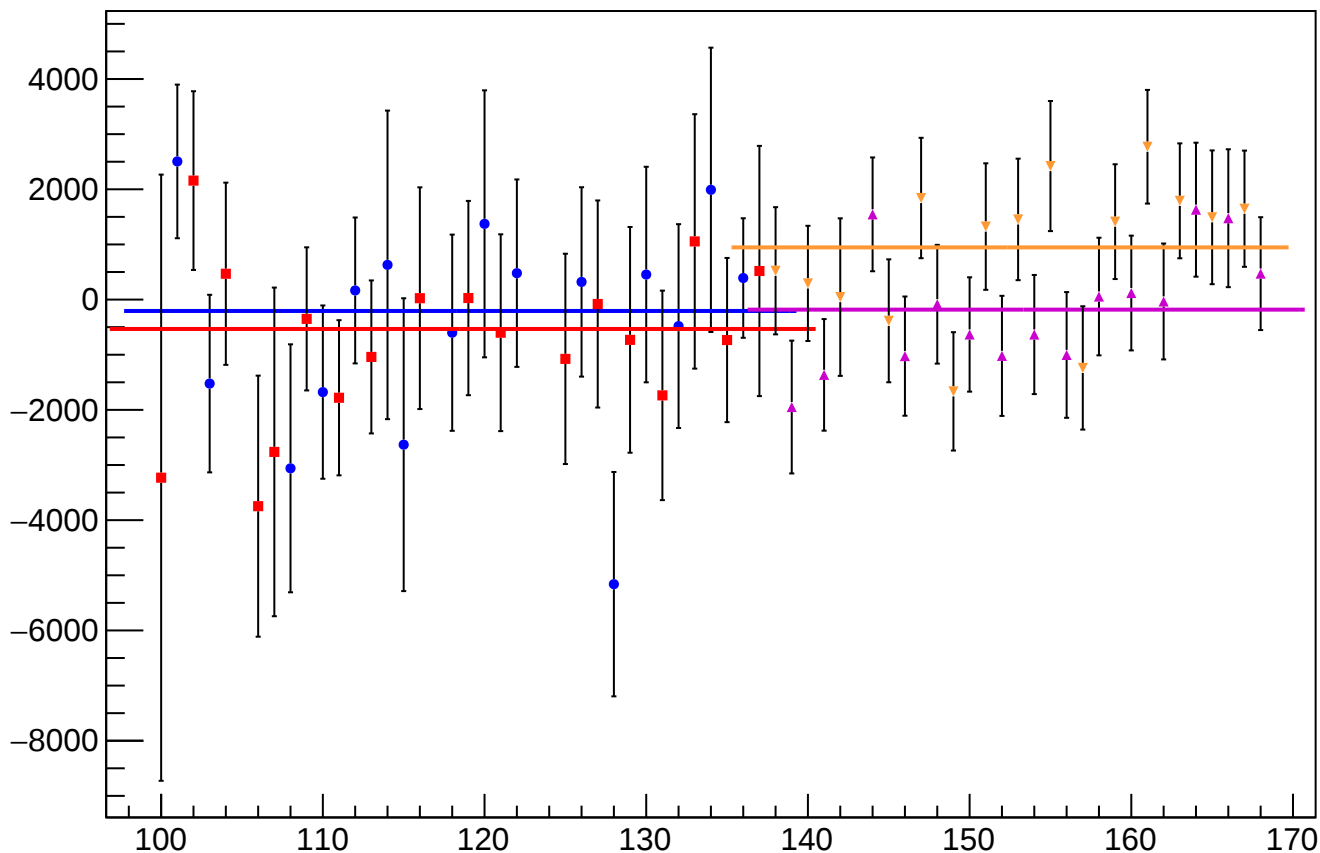
Right: 688.529 $\pm$ 0.139 χ^2/NDF : 2315094.2/33

In: 570.981 $\pm$ 0.097 χ^2/NDF : 1747210.0/30

Out: 570.669 $\pm$ 0.098 χ^2/NDF : 2106711.1/32

All: 570.826 $\pm$ 0.069 χ^2/NDF : 3853926.2/63

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 946.539 ± 287.016 χ^2/NDF : 19.3/14

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

Left In: -182.180 ± 280.559 χ^2/NDF : 13.0/14

Left: 369.341 ± 200.629 χ^2/NDF : 40.2/29

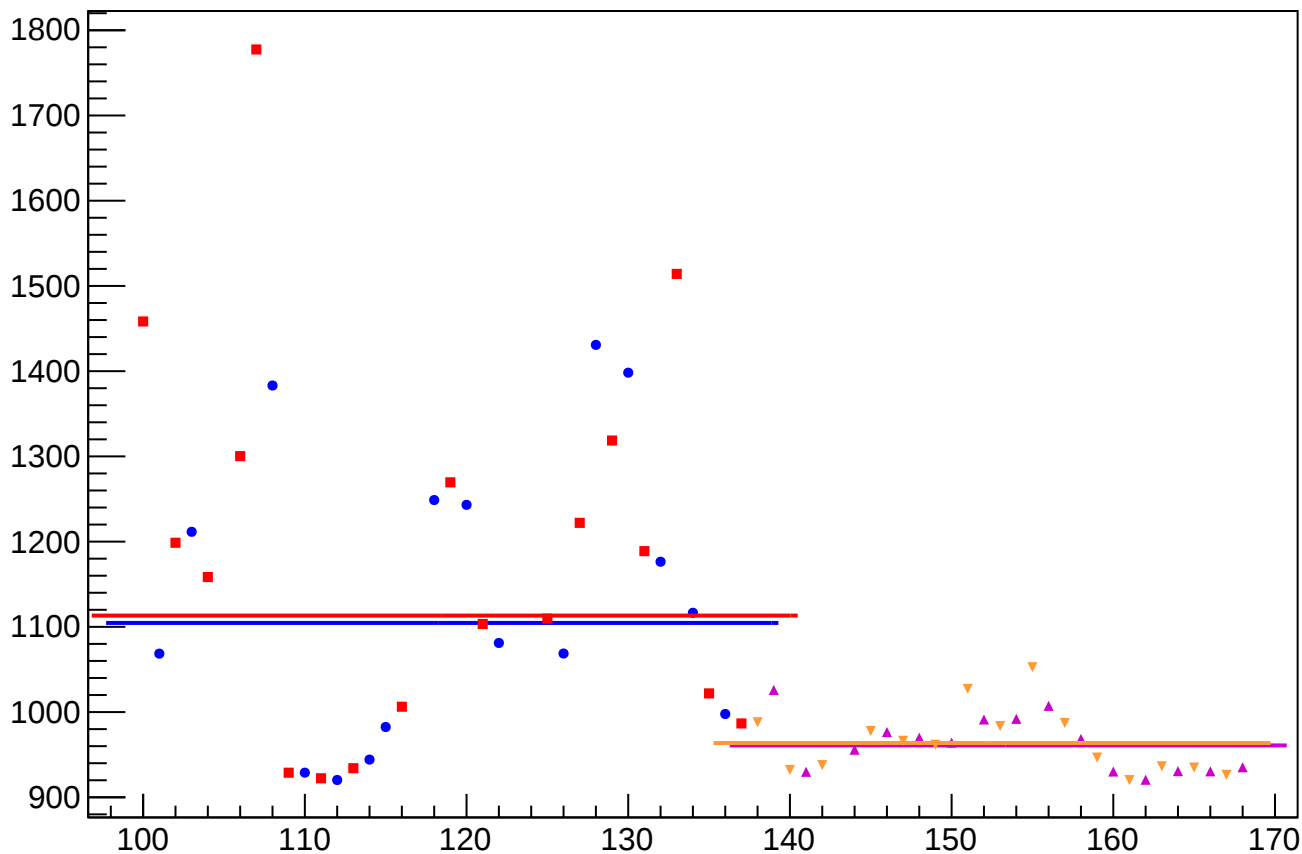
Right: -372.131 ± 304.348 χ^2/NDF : 24.2/33

In: -189.319 ± 235.578 χ^2/NDF : 28.7/30

Out: 486.341 ± 238.227 χ^2/NDF : 35.7/32

All: 144.733 ± 167.508 χ^2/NDF : 68.5/63

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 963.727 $\pm$ 0.203 χ^2 /NDF: 31865.0/14

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

Left In: 960.883 $\pm$ 0.198 χ^2 /NDF: 23340.7/14

Left: 962.273 $\pm$ 0.142 χ^2 /NDF: 55306.1/29

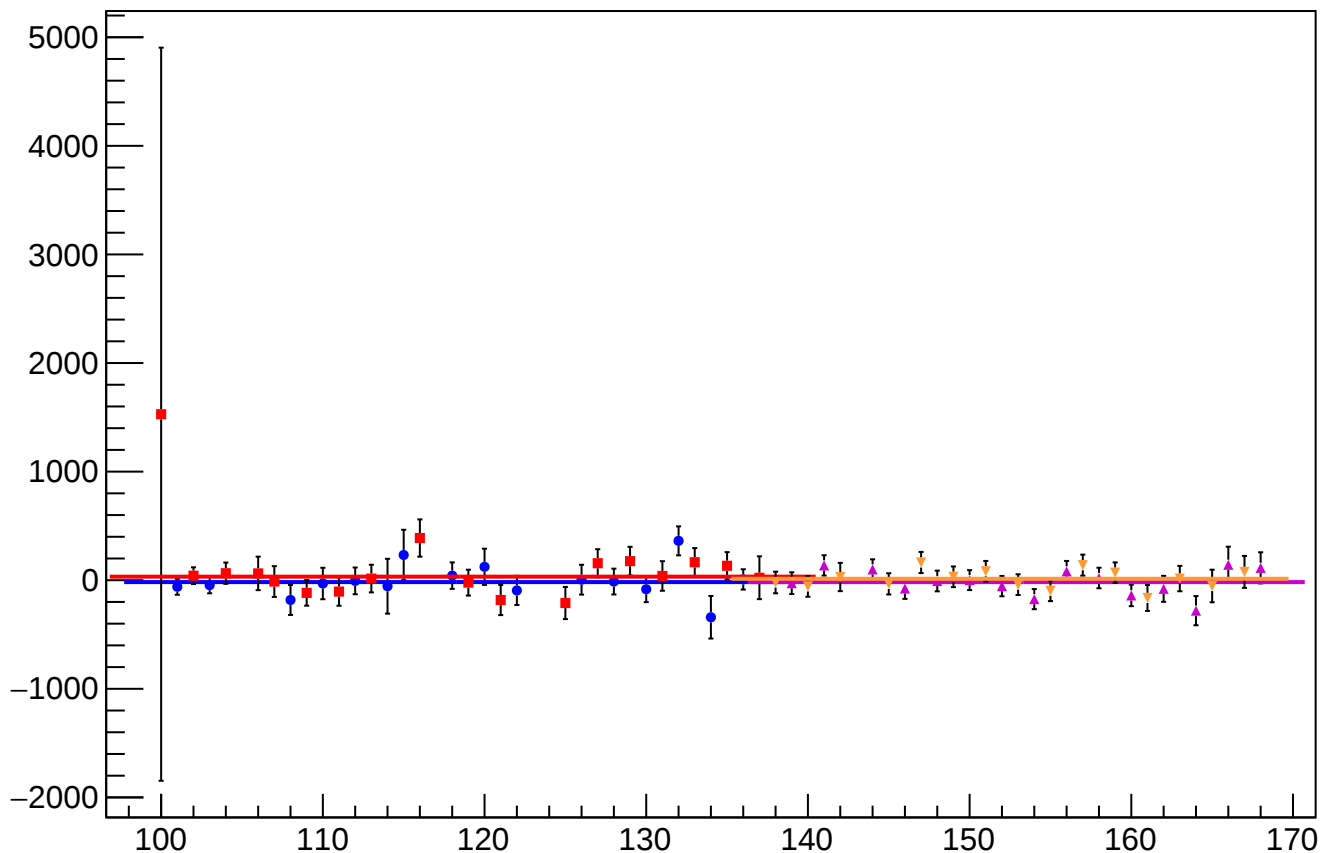
Right: 1108.972 $\pm$ 0.215 χ^2 /NDF: 618871.4/33

In: 1003.271 $\pm$ 0.167 χ^2 /NDF: 433610.9/30

Out: 1010.229 $\pm$ 0.168 χ^2 /NDF: 563618.4/32

All: 1006.711 $\pm$ 0.118 χ^2 /NDF: 998092.1/63

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 13.193+/-26.978 χ^2 /NDF:10.1/14

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

Left In: -17.243+/-26.434 χ^2 /NDF:16.3/14

Left: -2.336+/-18.881 χ^2 /NDF: 27.1/29

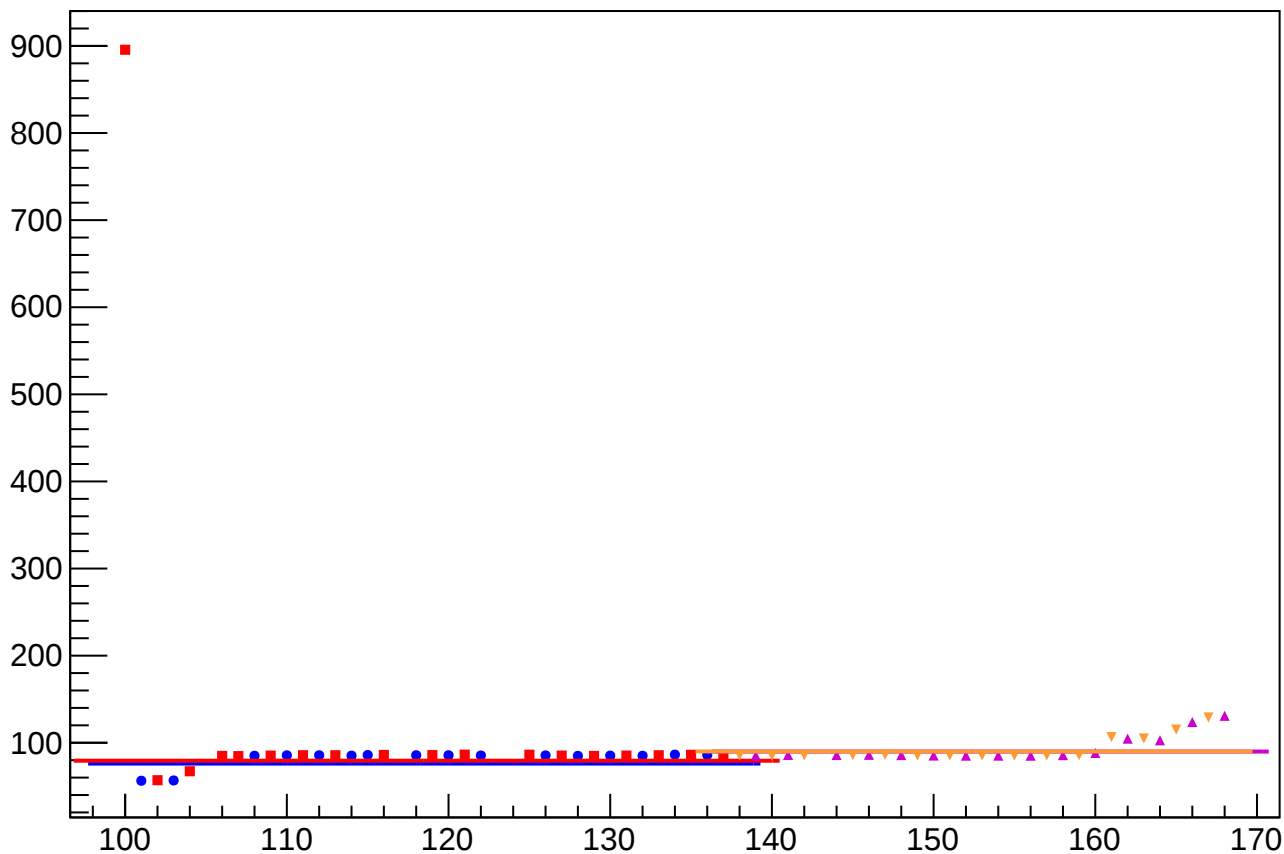
Right: 7.447+/-21.365 χ^2 /NDF: 33.5/33

In: -17.240+/-19.830 χ^2 /NDF:31.9/30

Out: 21.857+/-20.192 χ^2 /NDF:26.9/32

All: 1.954+/-14.148 χ^2 /NDF: 60.7/63

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 90.008 $\pm$ 0.019 χ^2 /NDF: 314875.8/14

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

Left In: 89.895 $\pm$ 0.019 χ^2 /NDF: 338363.2/14

Left: 89.951 $\pm$ 0.013 χ^2 /NDF: 653256.9/29

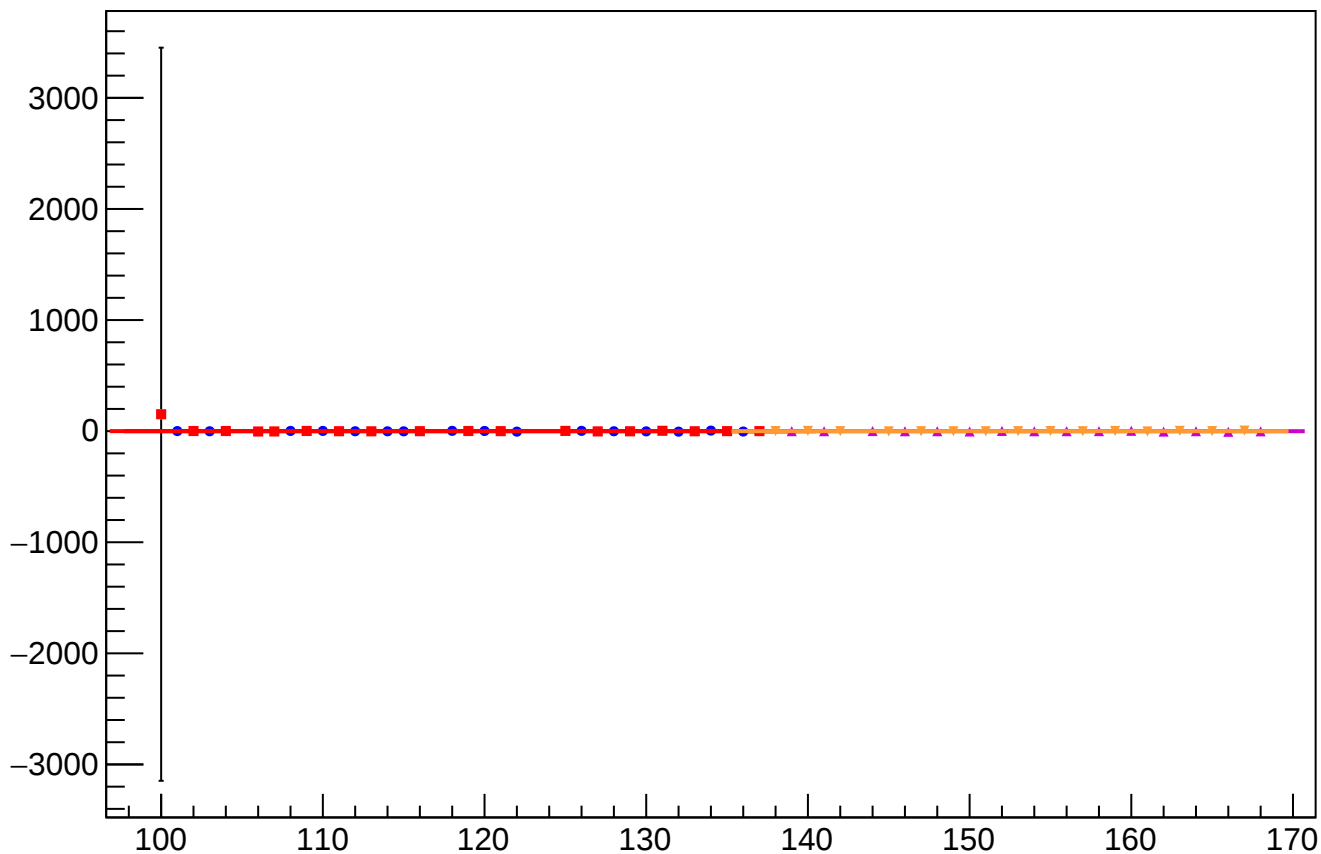
Right: 77.709 $\pm$ 0.015 χ^2 /NDF: 799700.2/33

In: 83.854 $\pm$ 0.014 χ^2 /NDF: 986431.1/30

Out: 85.338 $\pm$ 0.014 χ^2 /NDF: 829668.9/32

All: 84.583 $\pm$ 0.010 χ^2 /NDF: 1821598.4/63

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.001 ± 0.458 χ^2/NDF : 12.7/14

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

Left In: -0.353 ± 0.469 χ^2/NDF : 17.3/14

Left: -0.173 ± 0.328 χ^2/NDF : 30.2/29

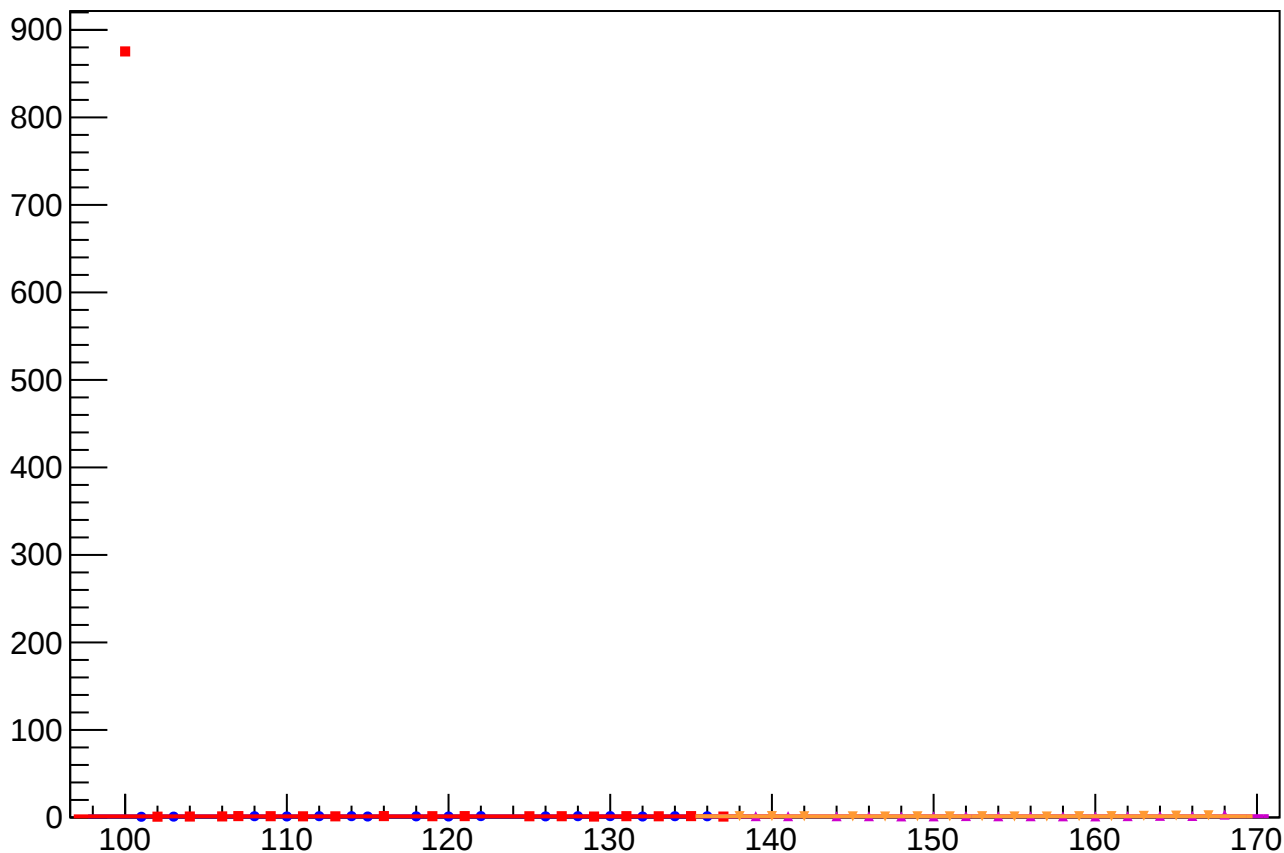
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.319 ± 0.343 χ^2/NDF : 38.4/30

Out: 0.033 ± 0.344 χ^2/NDF : 21.7/32

All: -0.144 ± 0.243 χ^2/NDF : 60.6/63

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.363+/-0.000 χ^2/NDF : 696077.0/14

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

Left In: 1.451+/-0.000 χ^2/NDF : 638318.4/14

Left: 1.406+/-0.000 χ^2/NDF : 1370839.8/29

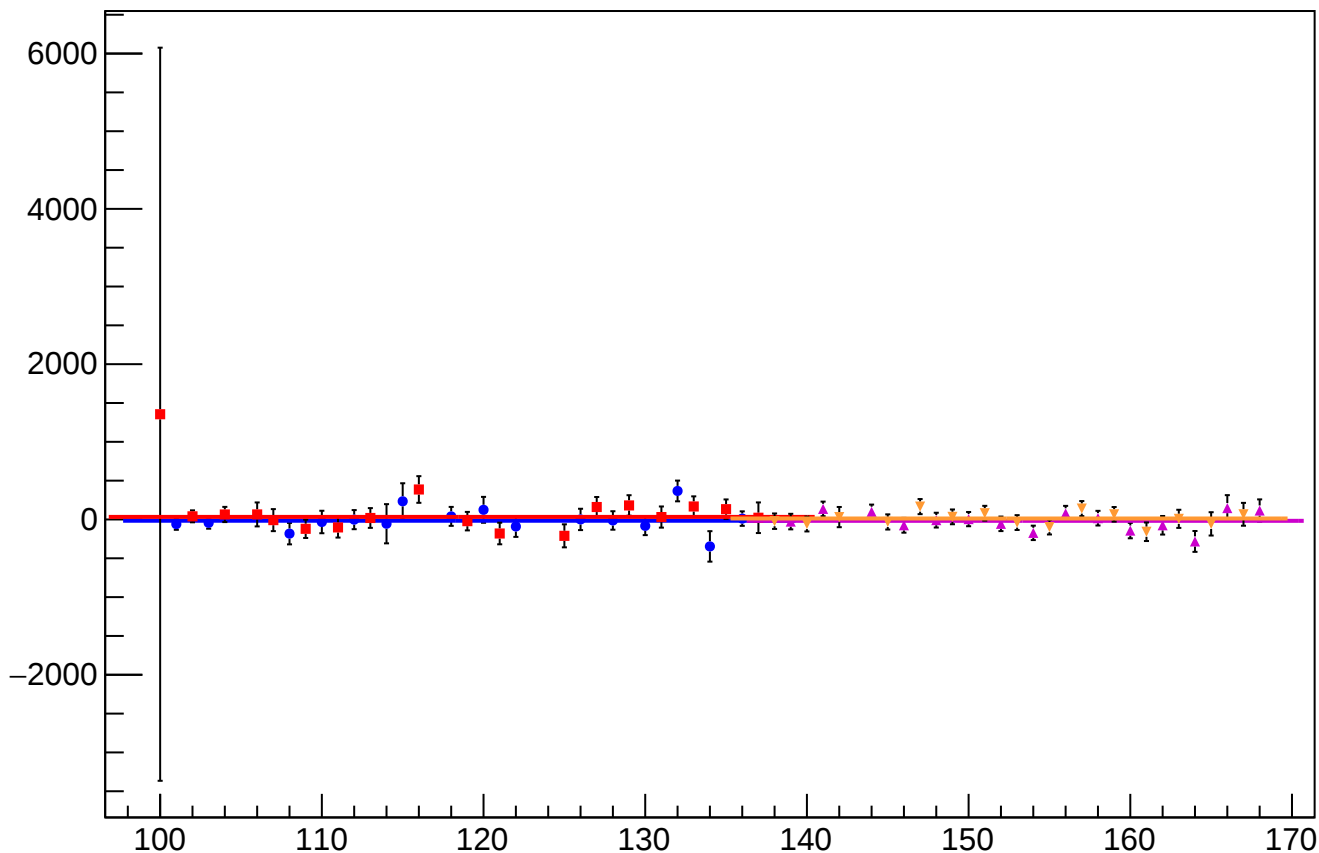
Right: 1.198+/-0.000 χ^2/NDF : 1065824.7/33

In: 1.312+/-0.000 χ^2/NDF : 1531214.4/30

Out: 1.312+/-0.000 χ^2/NDF : 1268711.2/32

All: 1.312+/-0.000 χ^2/NDF : 2799929.6/63

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 12.637 ± 26.986 χ^2/NDF : 10.0/14

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

Left In: -17.431 ± 26.442 χ^2/NDF : 16.4/14

Left: -2.703 ± 18.887 χ^2/NDF : 27.0/29

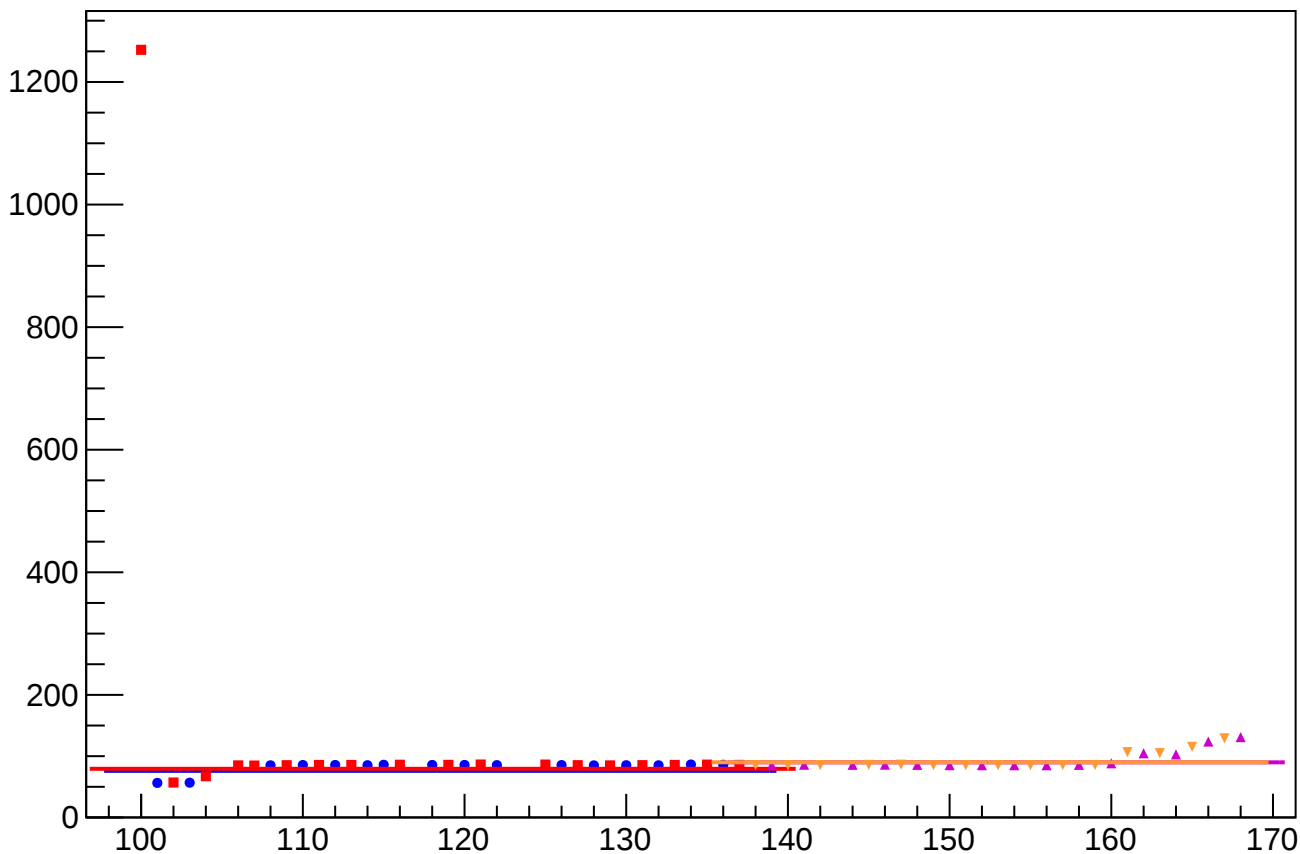
Right: 8.026 ± 21.371 χ^2/NDF : 33.7/33

In: -16.941 ± 19.835 χ^2/NDF : 32.2/30

Out: 21.643 ± 20.198 χ^2/NDF : 26.8/32

All: 2.002 ± 14.152 χ^2/NDF : 60.9/63

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 90.033 $\pm$ 0.019 χ^2 /NDF: 315186.0/14

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

Left In: 89.921 $\pm$ 0.019 χ^2 /NDF: 338850.3/14

Left: 89.976 $\pm$ 0.013 χ^2 /NDF: 654053.9/29

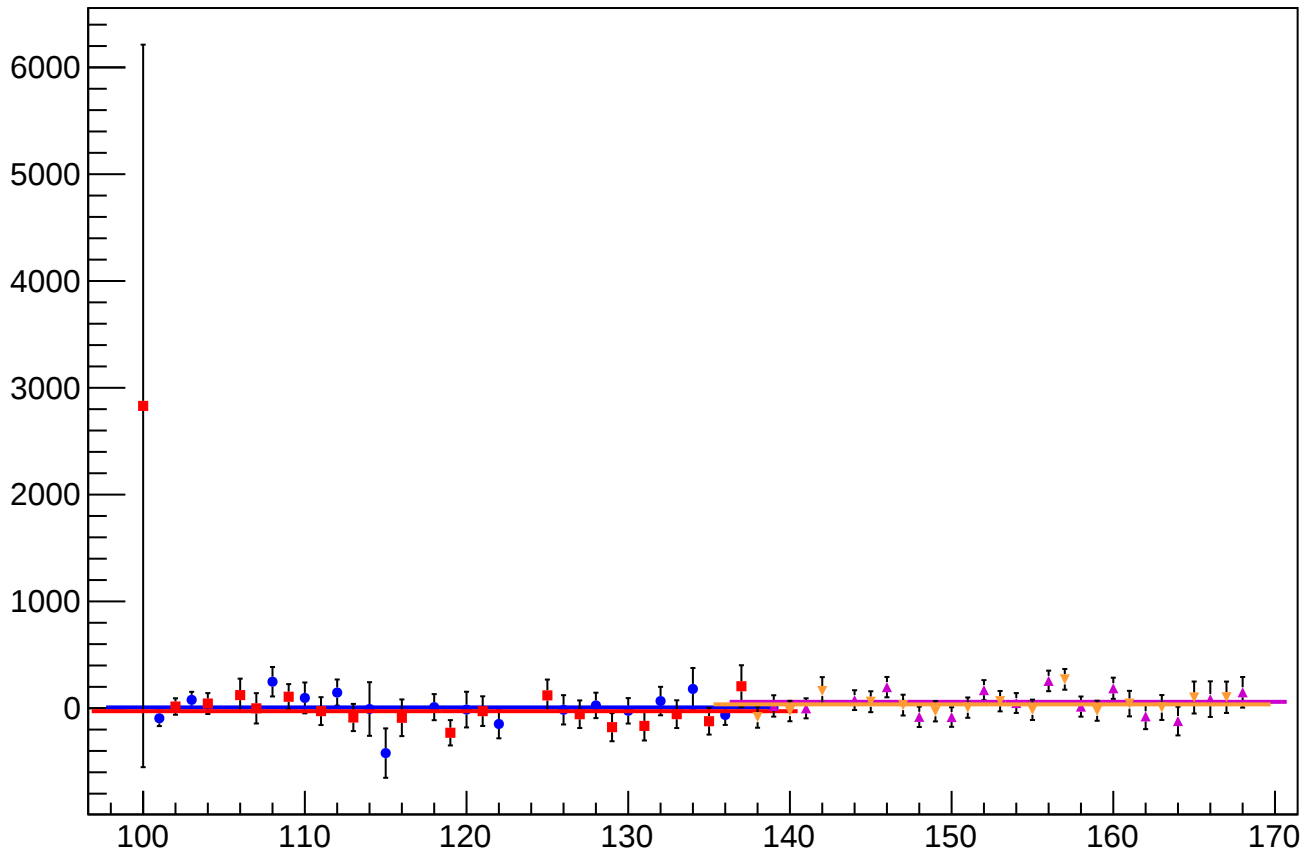
Right: 77.721 $\pm$ 0.015 χ^2 /NDF: 806127.4/33

In: 83.877 $\pm$ 0.014 χ^2 /NDF: 987023.6/30

Out: 85.353 $\pm$ 0.014 χ^2 /NDF: 836979.9/32

All: 84.602 $\pm$ 0.010 χ^2 /NDF: 1829443.4/63

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 36.077+/-26.975 χ^2 /NDF:10.5/14

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

Left In: 59.724+/-26.433 χ^2 /NDF:18.1/14

Left: 48.141+/-18.880 χ^2 /NDF: 29.0/29

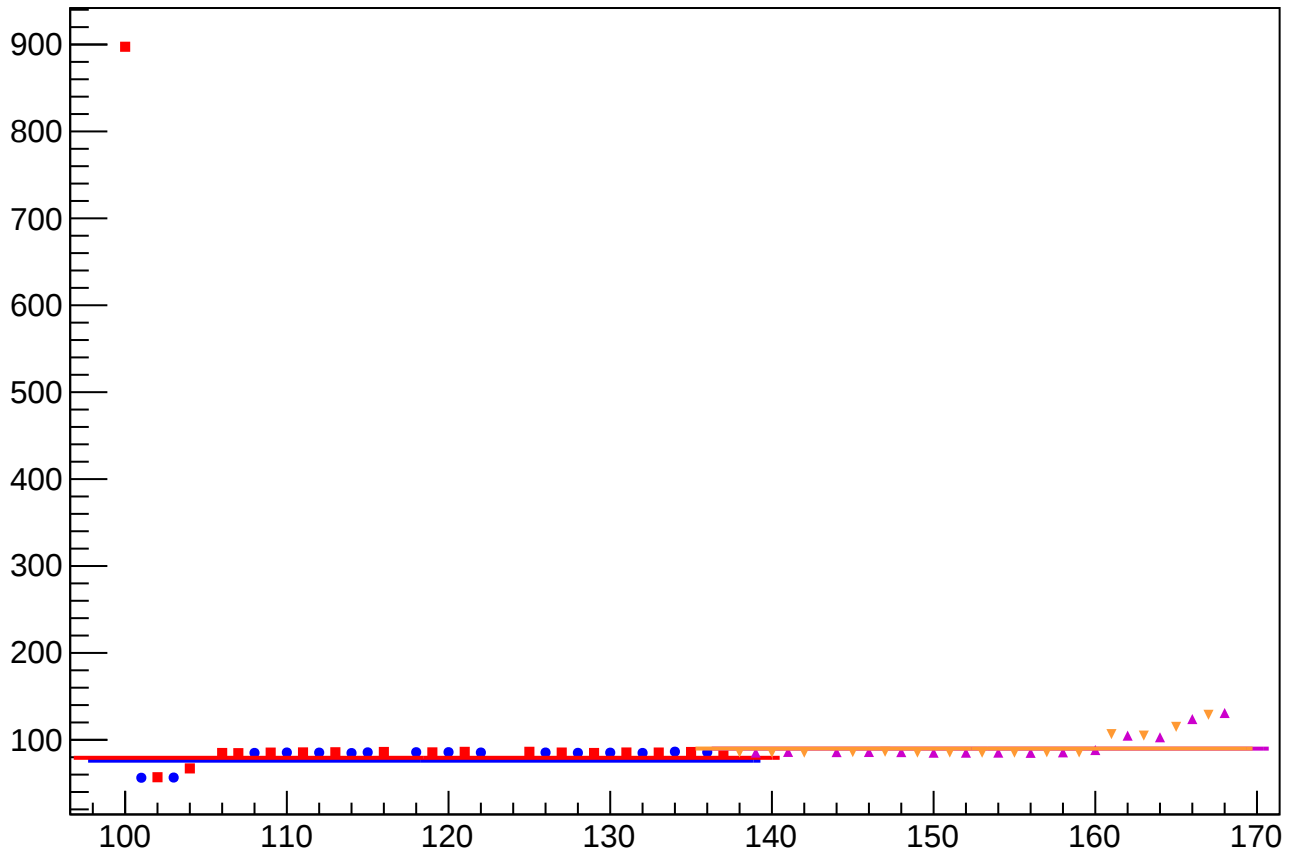
Right: -9.961+/-21.352 χ^2 /NDF: 27.1/33

In: 36.856+/-19.824 χ^2 /NDF:33.8/30

Out: 7.914+/-20.185 χ^2 /NDF:25.5/32

All: 22.646+/-14.144 χ^2 /NDF: 60.3/63

reg_asym_ds_dd_rms vs Slug, Sign Corrected

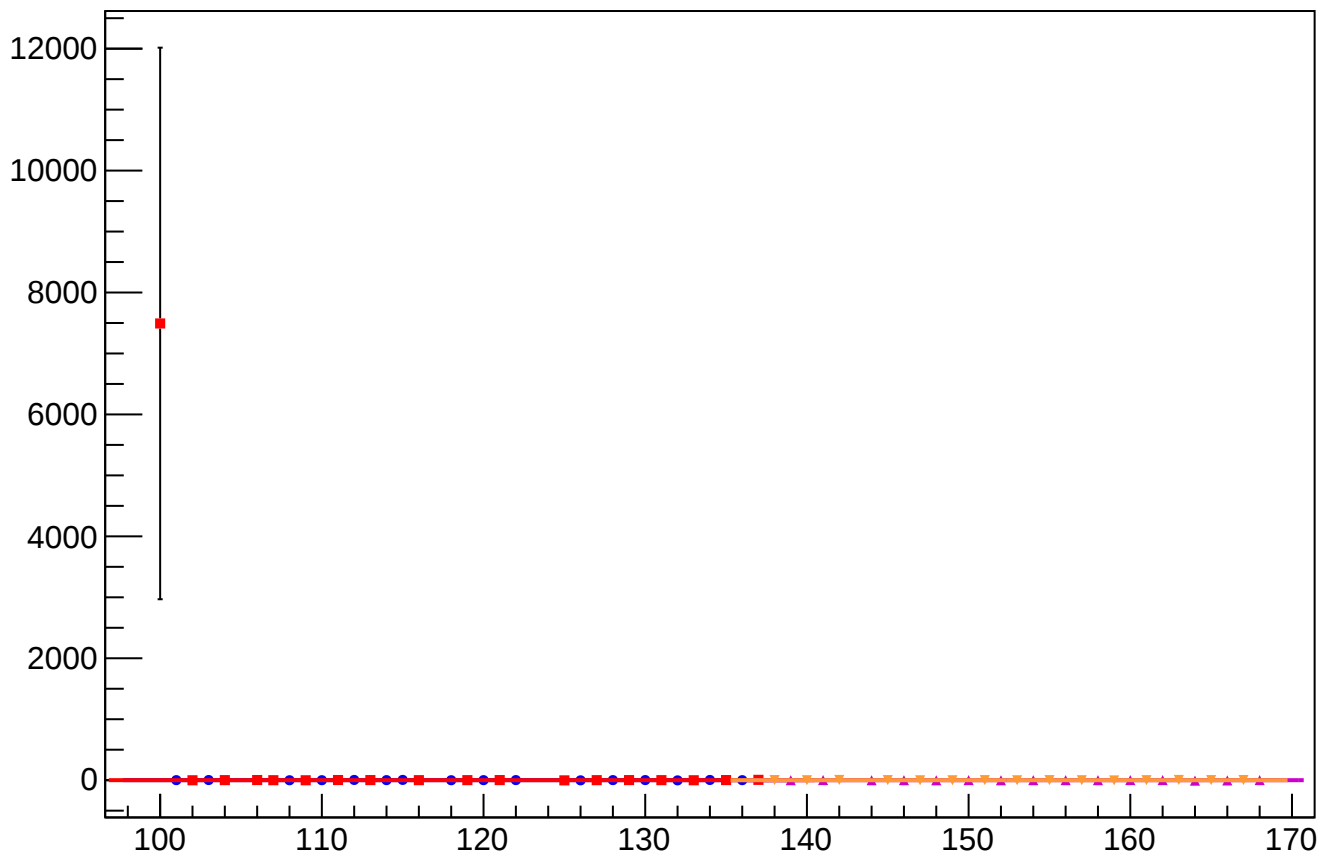


Right In: 76.032 $\pm$ 0.021 χ^2 /NDF: 408917.7/15
Left Out: 90.000 $\pm$ 0.019 χ^2 /NDF: 313136.1/14
Right Out: 79.342 $\pm$ 0.022 χ^2 /NDF: 378371.9/17
Left In: 89.888 $\pm$ 0.019 χ^2 /NDF: 339270.6/14

Left: 89.943 $\pm$ 0.013 χ^2 /NDF: 652424.4/29
Right: 77.662 $\pm$ 0.015 χ^2 /NDF: 799302.8/33
In: 83.825 $\pm$ 0.014 χ^2 /NDF: 988651.6/30
Out: 85.309 $\pm$ 0.014 χ^2 /NDF: 828906.1/32

All: 84.554 $\pm$ 0.010 χ^2 /NDF: 1823063.3/63

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.364 ± 0.473 χ^2/NDF : 16.2/14

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

Left In: 0.100 ± 0.469 χ^2/NDF : 14.8/14

Left: -0.129 ± 0.333 χ^2/NDF : 31.5/29

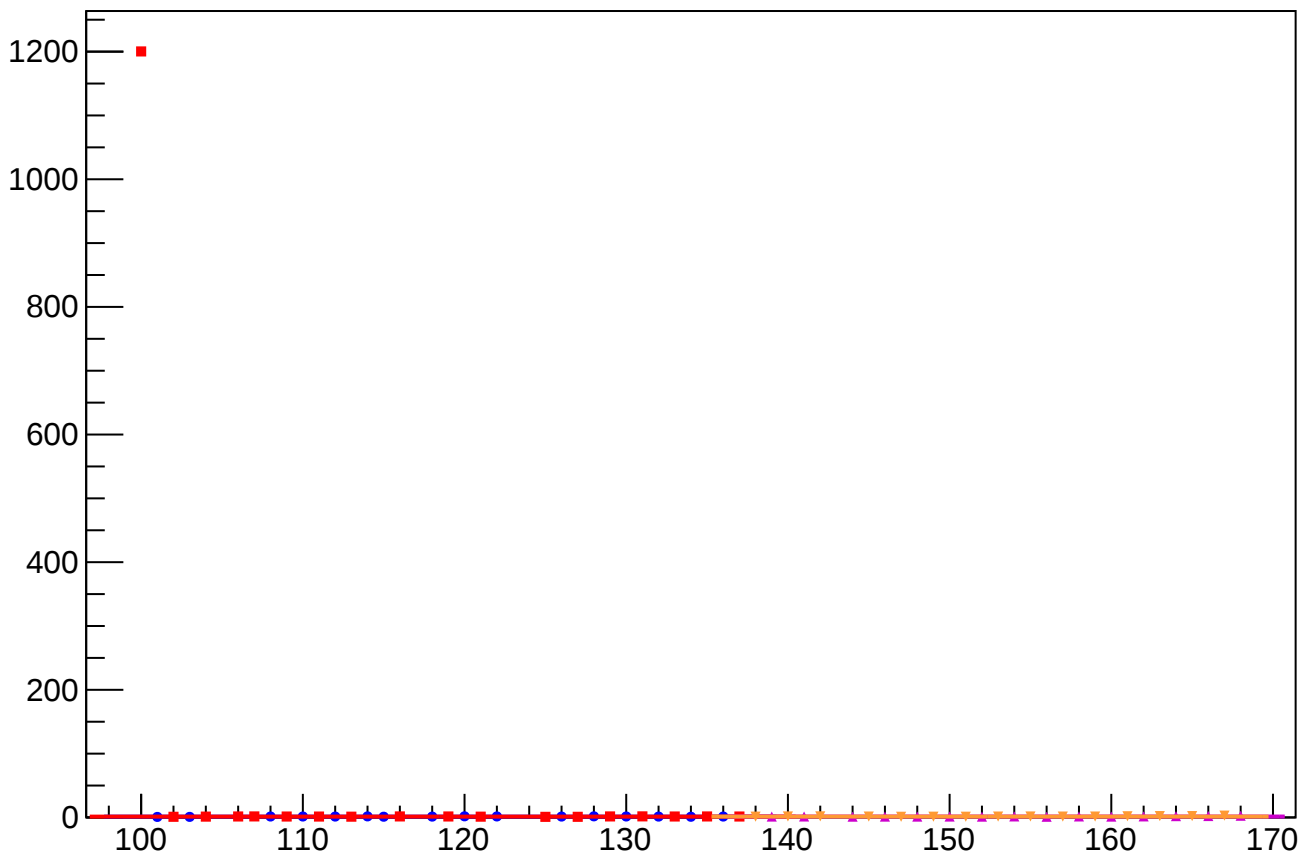
Right: 0.621 ± 0.382 χ^2/NDF : 25.2/33

In: 0.454 ± 0.352 χ^2/NDF : 28.1/30

Out: -0.075 ± 0.358 χ^2/NDF : 29.7/32

All: 0.195 ± 0.251 χ^2/NDF : 58.9/63

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.425+/-0.000 χ^2/NDF : 980729.0/14

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

Left In: 1.438+/-0.000 χ^2/NDF : 725435.7/14

Left: 1.431+/-0.000 χ^2/NDF : 1706989.2/29

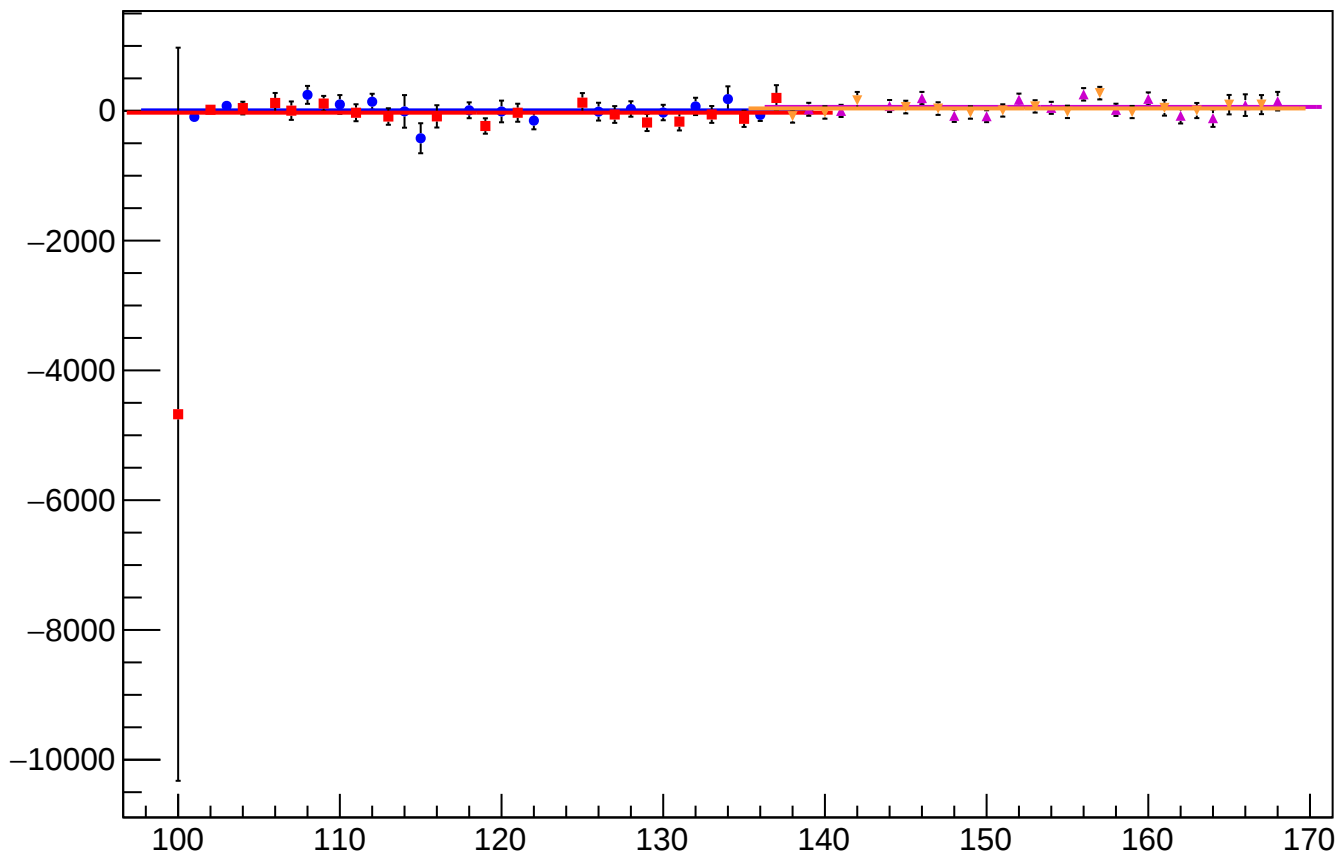
Right: 1.276+/-0.000 χ^2/NDF : 1201203.5/33

In: 1.351+/-0.000 χ^2/NDF : 1542932.2/30

Out: 1.379+/-0.000 χ^2/NDF : 1546034.2/32

All: 1.364+/-0.000 χ^2/NDF : 3095304.7/63

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 36.676 ± 26.983 χ^2/NDF : 10.4/14

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

Left In: 60.091 ± 26.441 χ^2/NDF : 17.8/14

Left: 48.621 ± 18.885 χ^2/NDF : 28.6/29

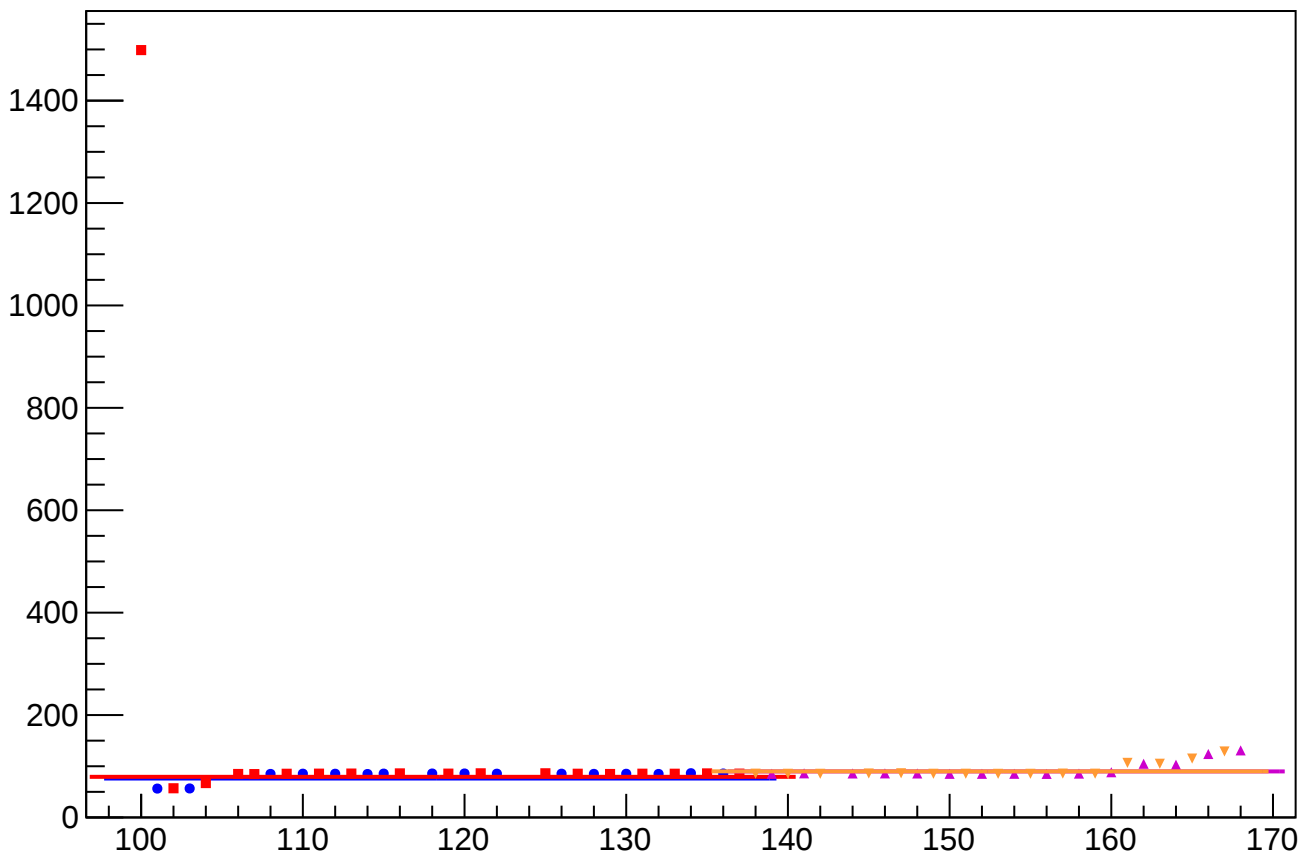
Right: -10.616 ± 21.358 χ^2/NDF : 27.2/33

In: 36.765 ± 19.829 χ^2/NDF : 33.4/30

Out: 7.972 ± 20.191 χ^2/NDF : 25.7/32

All: 22.629 ± 14.148 χ^2/NDF : 60.1/63

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 90.025 $\pm$ 0.019 χ^2 /NDF: 313448.0/14

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

Left In: 89.914 $\pm$ 0.019 χ^2 /NDF: 339741.7/14

Left: 89.968 $\pm$ 0.013 χ^2 /NDF: 653207.0/29

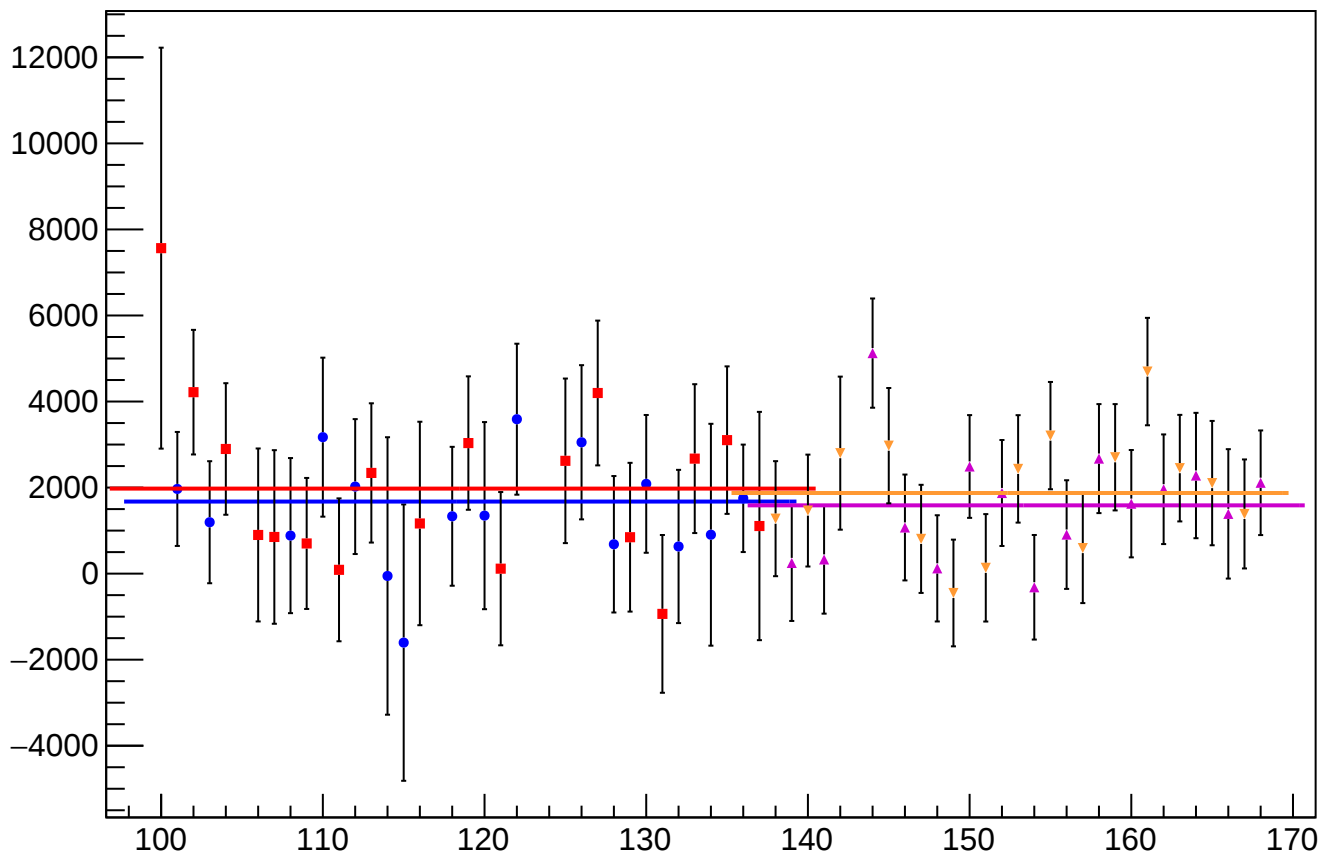
Right: 77.670 $\pm$ 0.015 χ^2 /NDF: 808427.1/33

In: 83.849 $\pm$ 0.014 χ^2 /NDF: 989217.5/30

Out: 85.322 $\pm$ 0.014 χ^2 /NDF: 839130.2/32

All: 84.572 $\pm$ 0.010 χ^2 /NDF: 1833770.7/63

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1874.215 $\pm$ 335.292 χ^2 /NDF:15.7/14

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

Left In: 1586.938 $\pm$ 328.740 χ^2 /NDF:16.0/14

Left: 1727.742 $\pm$ 234.736 χ^2 /NDF: 32.0/29

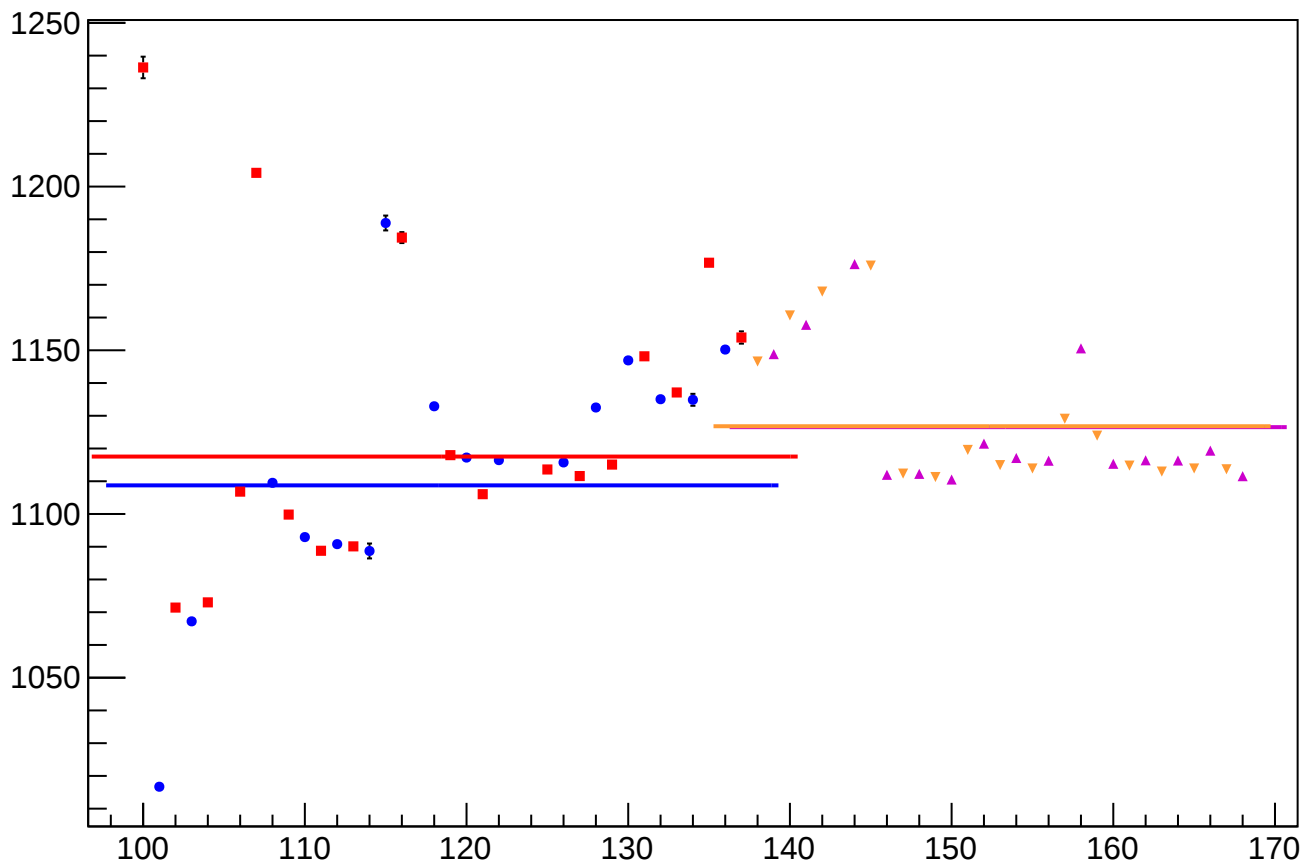
Right: 1828.538 $\pm$ 301.540 χ^2 /NDF: 19.4/33

In: 1619.363 $\pm$ 261.295 χ^2 /NDF:21.1/30

Out: 1913.672 $\pm$ 262.615 χ^2 /NDF:29.8/32

All: 1765.776 $\pm$ 185.229 χ^2 /NDF: 51.5/63

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1126.800 ± 0.237 $\chi^2/\text{NDF}: 7409.2/14$

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

Left In: 1126.525 ± 0.232 $\chi^2/\text{NDF}: 7502.4/14$

Left: 1126.660 ± 0.166 $\chi^2/\text{NDF}: 14912.2/29$

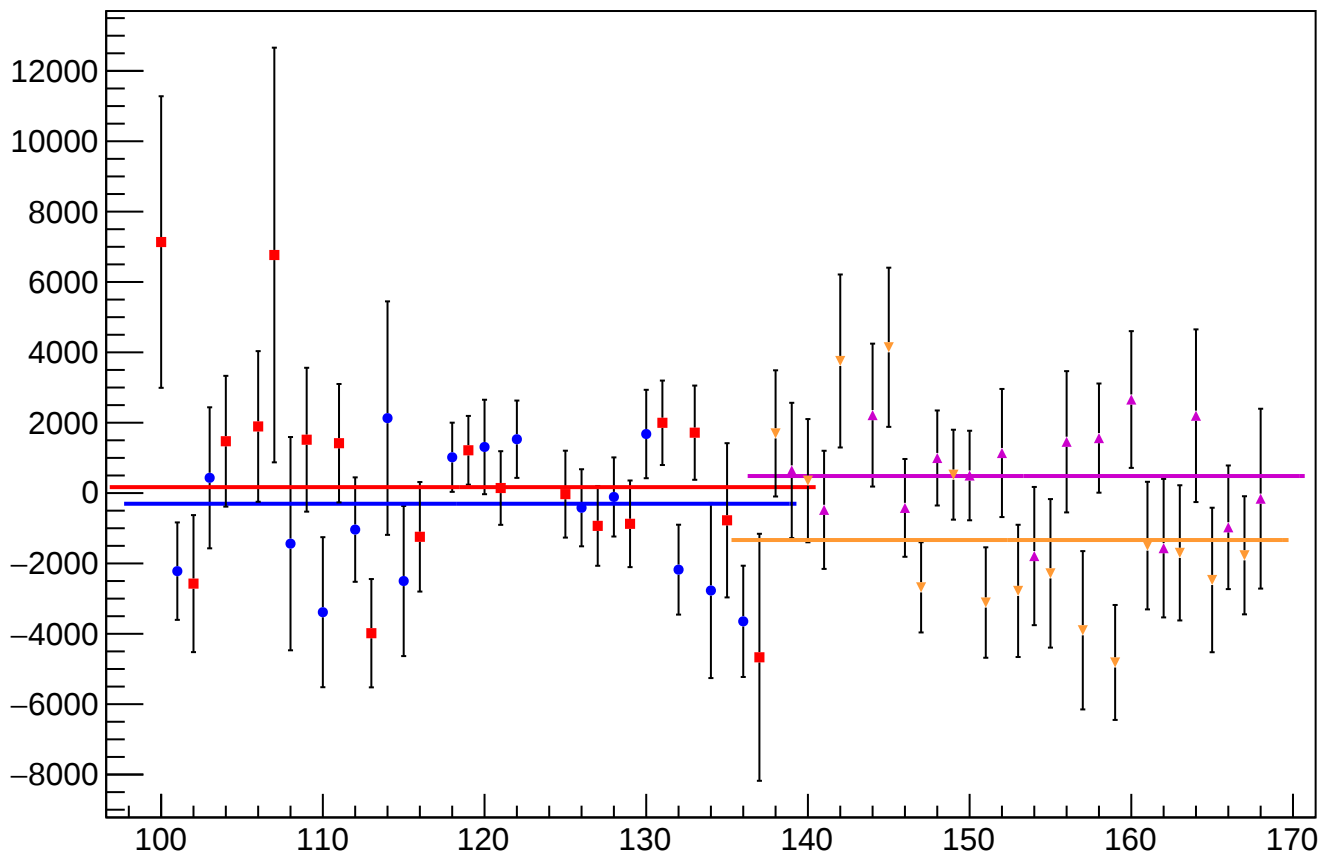
Right: 1113.224 ± 0.213 $\chi^2/\text{NDF}: 34021.5/33$

In: 1119.976 ± 0.185 $\chi^2/\text{NDF}: 27738.8/30$

Out: 1123.220 ± 0.186 $\chi^2/\text{NDF}: 23514.1/32$

All: 1121.590 ± 0.131 $\chi^2/\text{NDF}: 51406.3/63$

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -1334.493 ± 453.091 χ^2/NDF : 25.5/14

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

Left In: 484.717 ± 449.867 χ^2/NDF : 7.4/14

Left: -418.392 ± 319.238 χ^2/NDF : 41.0/29

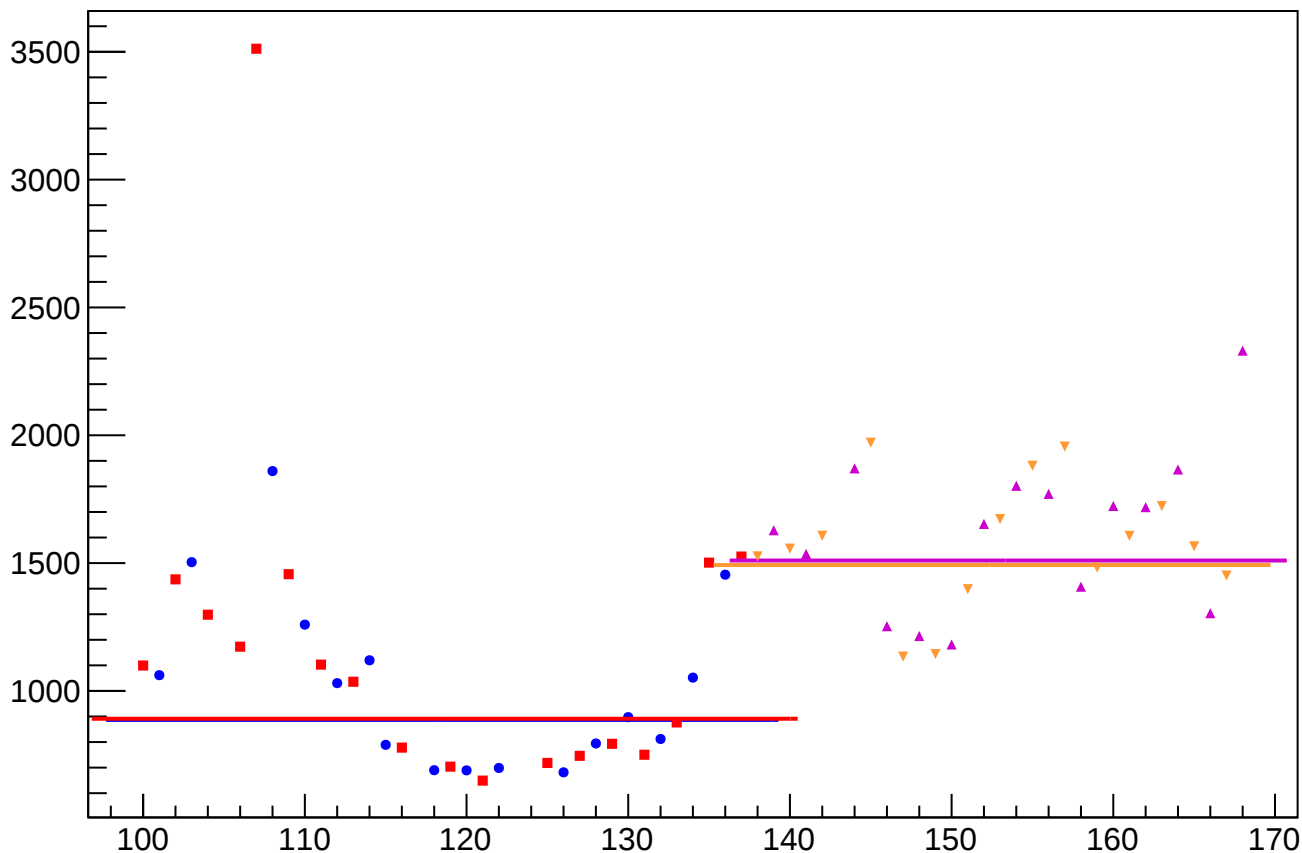
Right: -64.717 ± 253.241 χ^2/NDF : 48.0/33

In: 4.380 ± 281.113 χ^2/NDF : 31.6/30

Out: -405.454 ± 280.045 χ^2/NDF : 57.1/32

All: -201.317 ± 198.398 χ^2/NDF : 89.8/63

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1492.557+/-0.320 χ^2/NDF : 620547.7/14

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

Left In: 1510.196+/-0.318 χ^2/NDF : 789706.5/14

Left: 1501.439+/-0.226 χ^2/NDF : 1411780.7/29

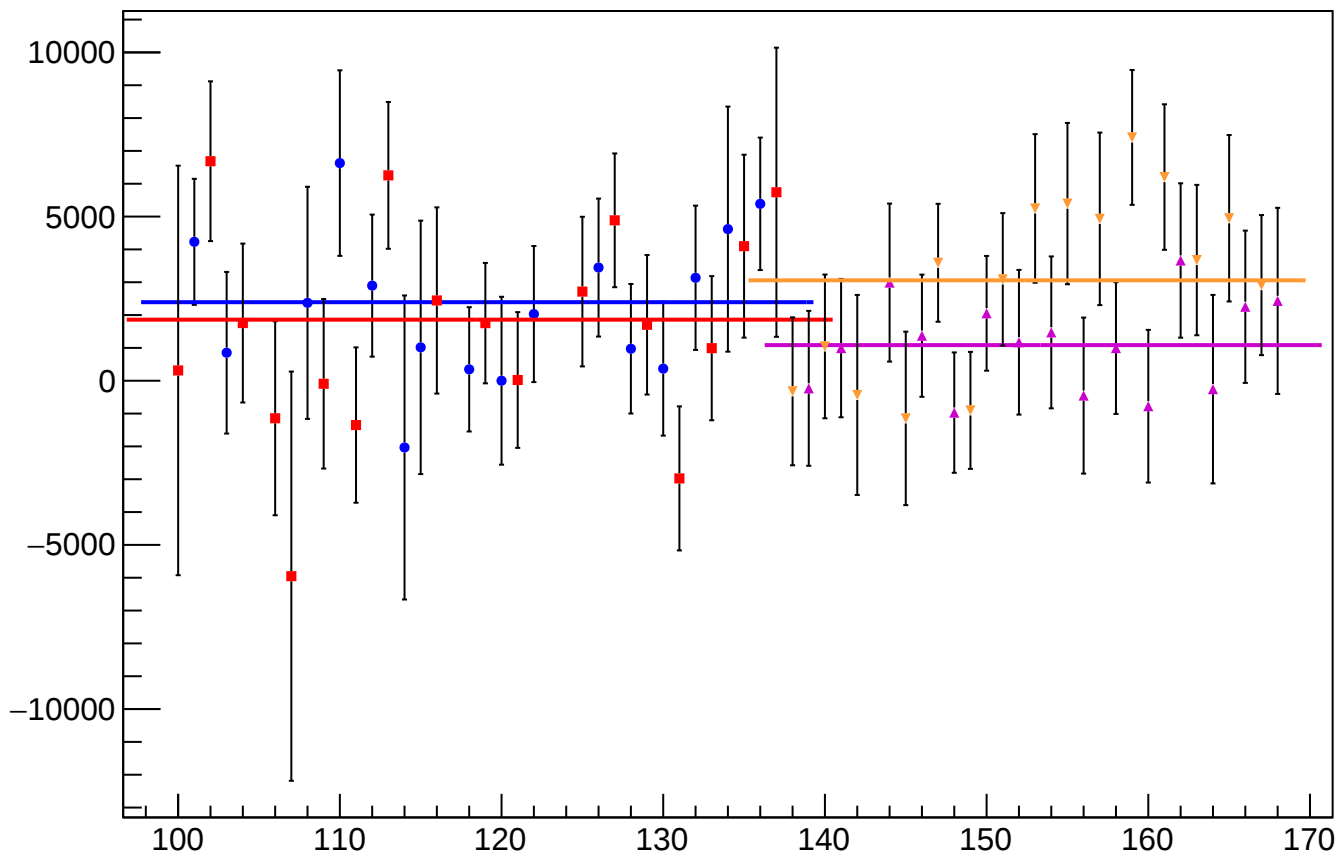
Right: 888.968+/-0.179 χ^2/NDF : 2475210.4/33

In: 1130.154+/-0.199 χ^2/NDF : 4192283.6/30

Out: 1120.927+/-0.198 χ^2/NDF : 4211965.9/32

All: 1125.523+/-0.140 χ^2/NDF : 8405331.1/63

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 3057.916 $\pm$ 573.540 χ^2 /NDF:21.5/14

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

Left In: 1084.859 $\pm$ 567.254 χ^2 /NDF:5.5/14

Left: 2060.516 $\pm$ 403.313 χ^2 /NDF: 33.0/29

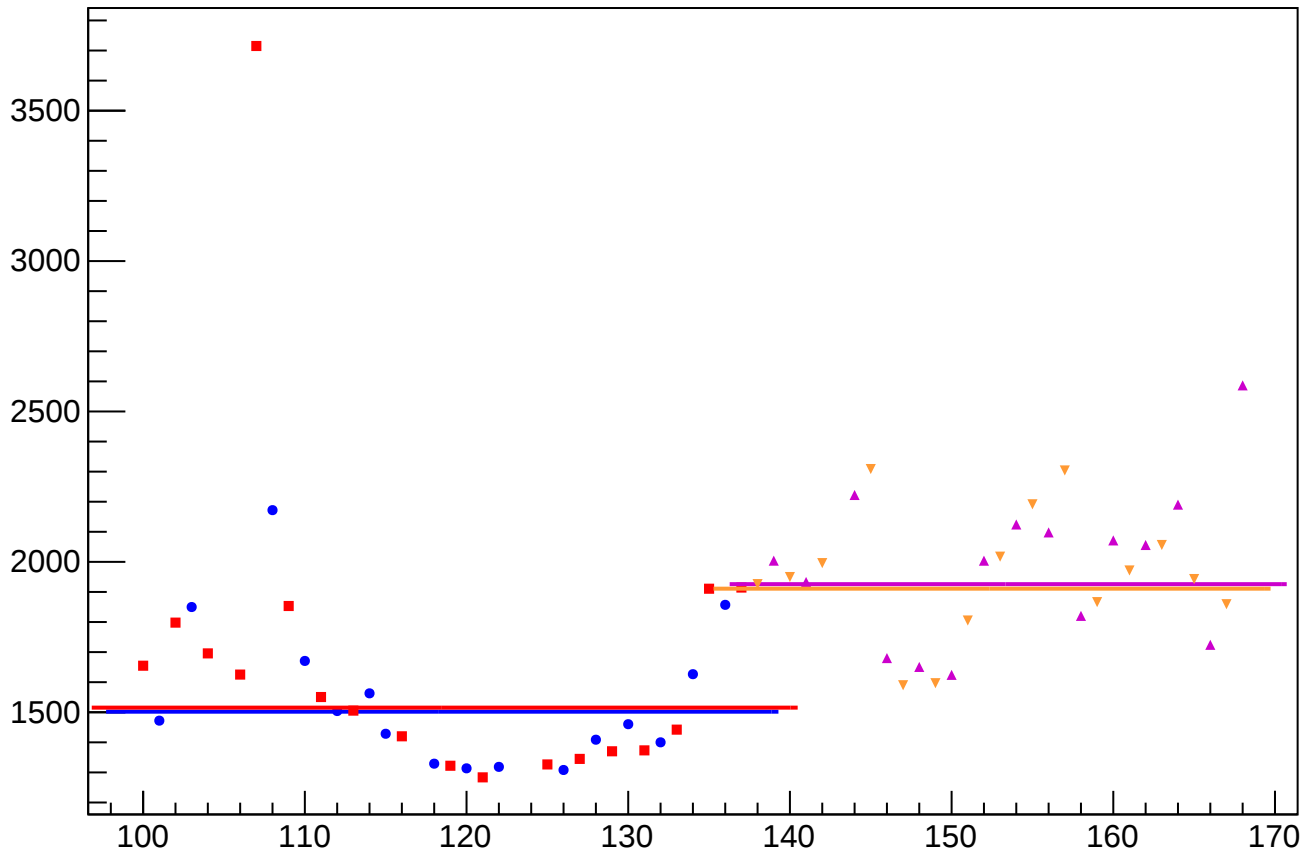
Right: 2123.458 $\pm$ 414.388 χ^2 /NDF: 34.1/33

In: 1714.050 $\pm$ 408.578 χ^2 /NDF:19.2/30

Out: 2468.813 $\pm$ 408.899 χ^2 /NDF:46.1/32

All: 2091.135 $\pm$ 289.022 χ^2 /NDF: 67.0/63

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1910.899 $\pm$ 0.406 χ^2 /NDF: 266428.2/14

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

Left In: 1925.902 $\pm$ 0.401 χ^2 /NDF: 360093.3/14

Left: 1918.483 $\pm$ 0.285 χ^2 /NDF: 627213.3/29

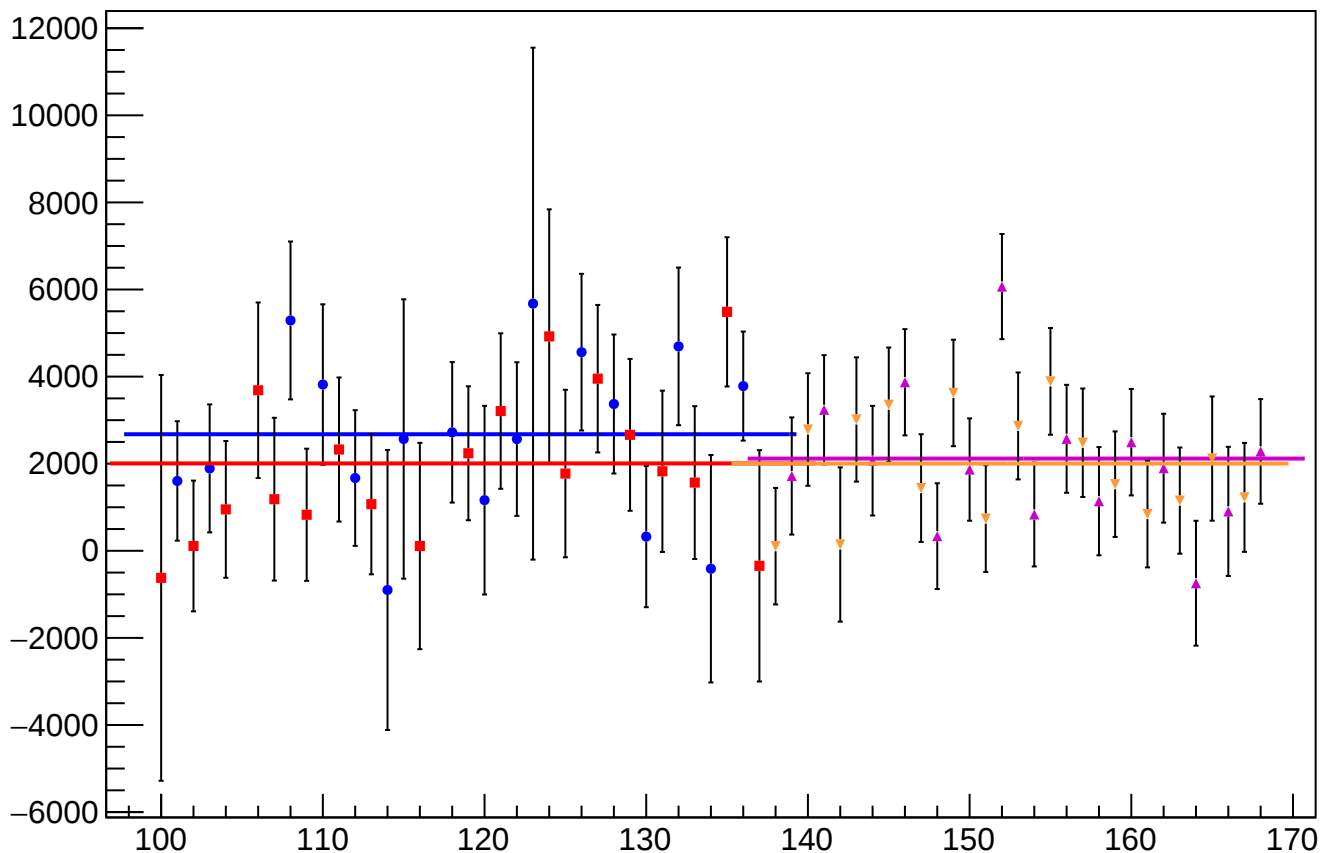
Right: 1508.739 $\pm$ 0.293 χ^2 /NDF: 734837.7/33

In: 1721.887 $\pm$ 0.289 χ^2 /NDF: 1152252.8/30

Out: 1716.427 $\pm$ 0.289 χ^2 /NDF: 1213811.9/32

All: 1719.159 $\pm$ 0.204 χ^2 /NDF: 2366243.1/63

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2003.083 $\pm$ 321.759 χ^2 /NDF:13.0/15

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

Left In: 2117.799 $\pm$ 324.064 χ^2 /NDF:22.6/14

Left: 2060.032 $\pm$ 228.329 χ^2 /NDF: 35.6/30

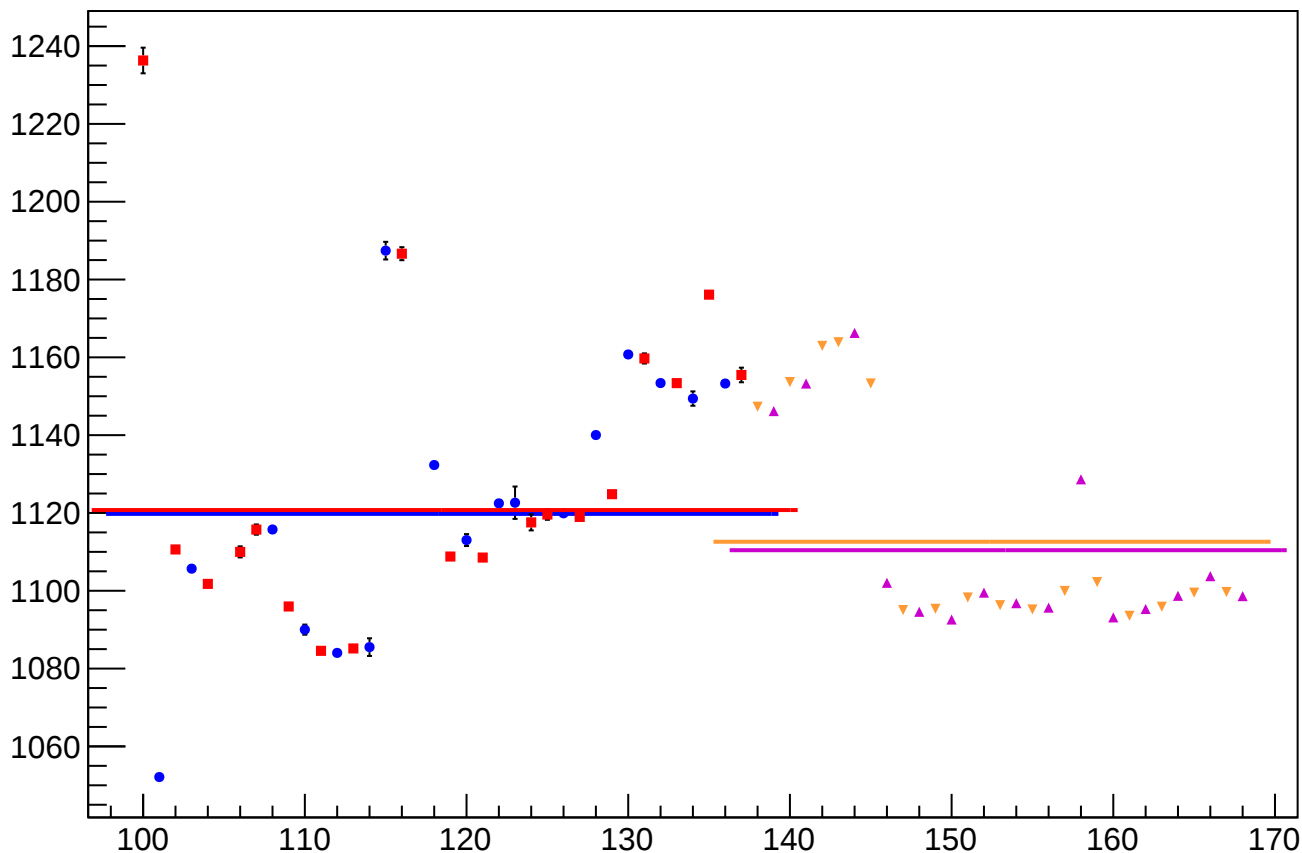
Right: 2330.304 $\pm$ 301.362 χ^2 /NDF: 26.6/35

In: 2318.108 $\pm$ 259.574 χ^2 /NDF:36.2/31

Out: 2004.379 $\pm$ 255.233 χ^2 /NDF:25.8/34

All: 2158.598 $\pm$ 181.992 χ^2 /NDF: 62.8/66

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1112.600 $\pm$ 0.228 χ^2/NDF : 12900.8/15

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

Left In: 1110.426 $\pm$ 0.229 χ^2/NDF : 10771.6/14

Left: 1111.520 $\pm$ 0.161 χ^2/NDF : 23717.8/30

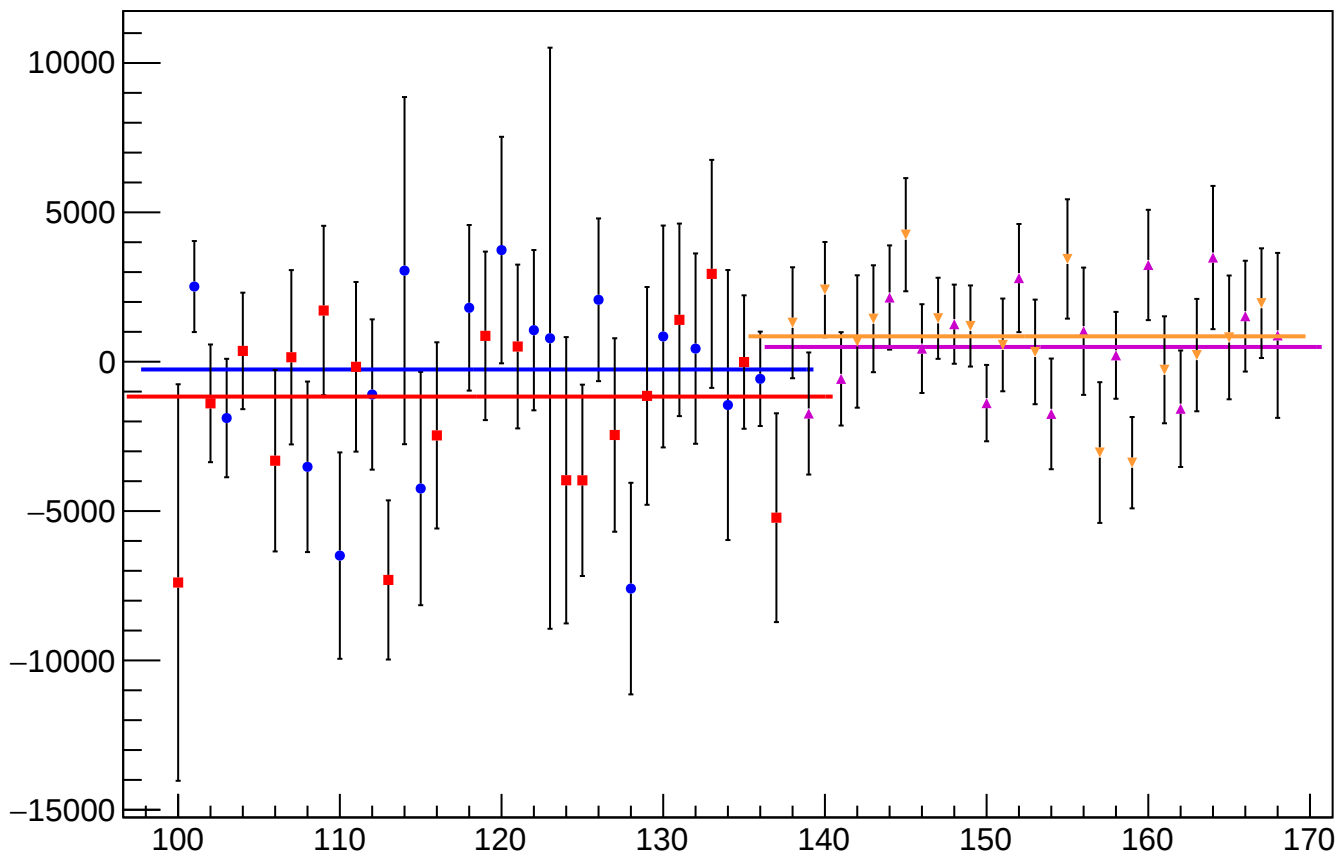
Right: 1120.271 $\pm$ 0.213 χ^2/NDF : 21816.3/35

In: 1113.772 $\pm$ 0.184 χ^2/NDF : 23243.4/31

Out: 1115.620 $\pm$ 0.180 χ^2/NDF : 23310.3/34

All: 1114.712 $\pm$ 0.129 χ^2/NDF : 46605.3/66

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 850.101+/-434.935 χ^2/NDF : 17.7/15

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

Left In: 493.872+/-444.820 χ^2/NDF : 13.5/14

Left: 675.989+/-310.981 χ^2/NDF : 31.5/30

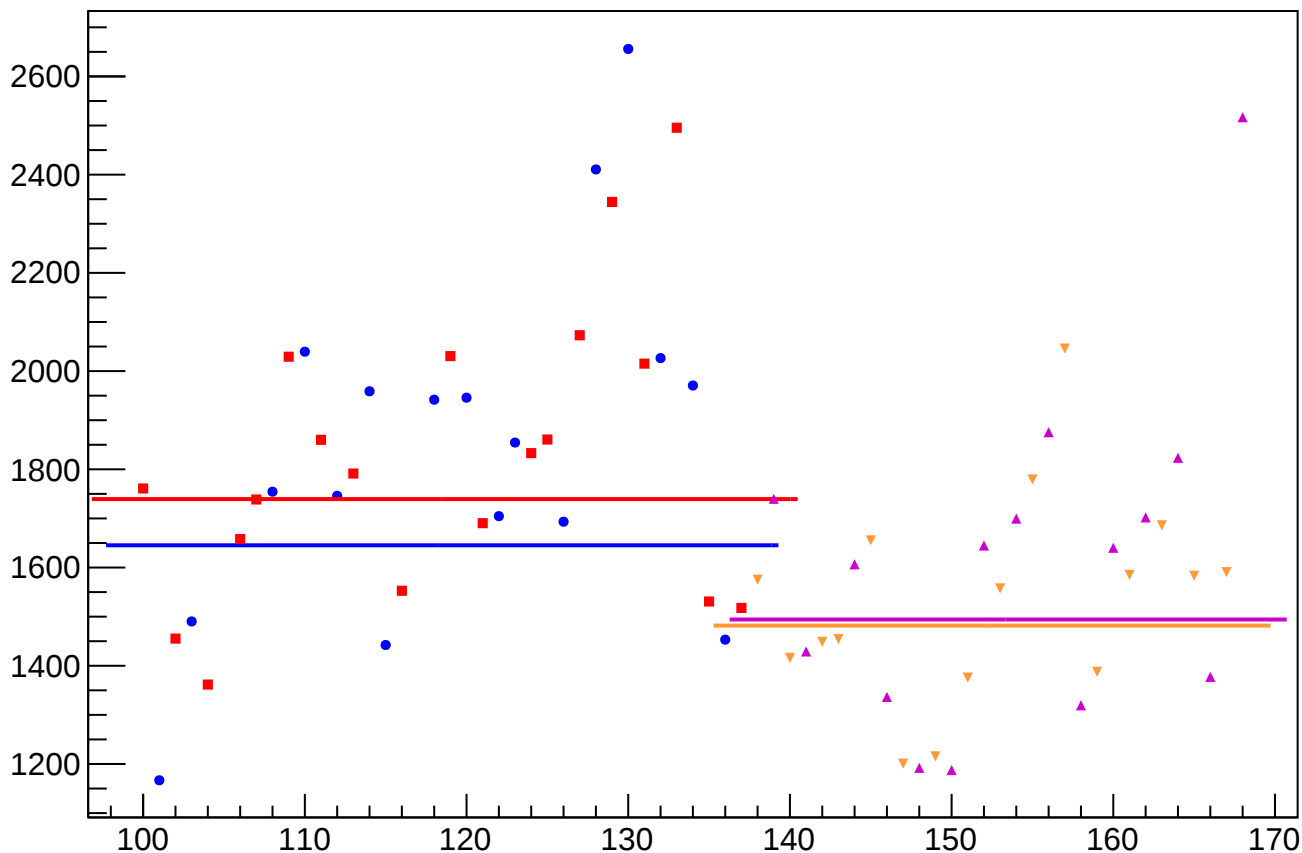
Right: -708.782+/-465.858 χ^2/NDF : 32.6/35

In: 256.122+/-368.033 χ^2/NDF : 31.6/31

Out: 242.302+/-363.572 χ^2/NDF : 38.6/34

All: 249.128+/-258.647 χ^2/NDF : 70.2/66

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1481.790+/-0.308 χ^2/NDF : 410592.3/15

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

Left In: 1494.220+/-0.315 χ^2/NDF : 768816.2/14

Left: 1487.865+/-0.220 χ^2/NDF : 1180206.9/30

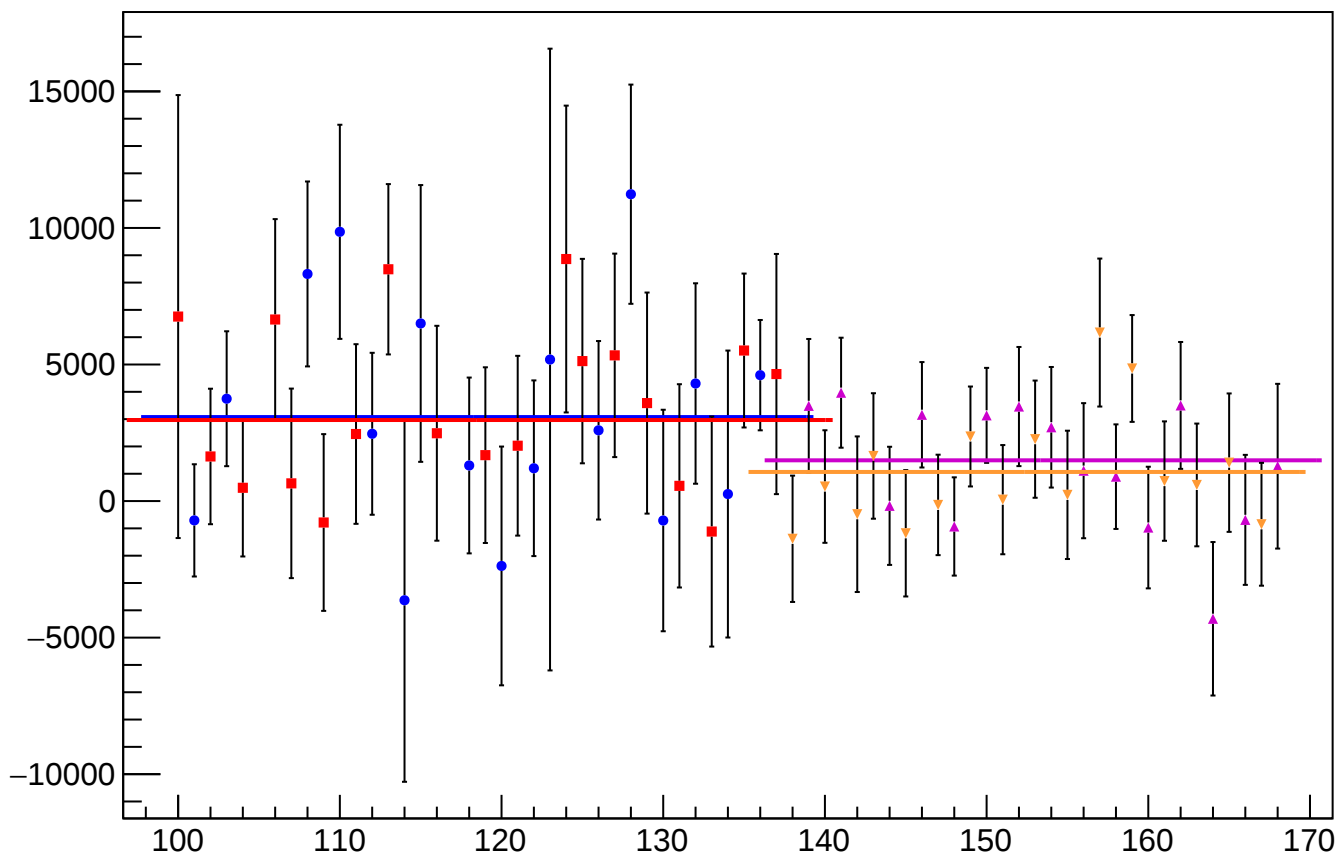
Right: 1691.833+/-0.329 χ^2/NDF : 992315.5/35

In: 1541.880+/-0.260 χ^2/NDF : 1442515.8/31

Out: 1559.385+/-0.257 χ^2/NDF : 992929.3/34

All: 1550.739+/-0.183 χ^2/NDF : 2437734.9/66

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1065.924 $\pm$ 548.524 χ^2 /NDF:12.2/15

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

Left In: 1491.933 $\pm$ 560.142 χ^2 /NDF:14.5/14

Left: 1274.465 $\pm$ 391.908 χ^2 /NDF: 27.1/30

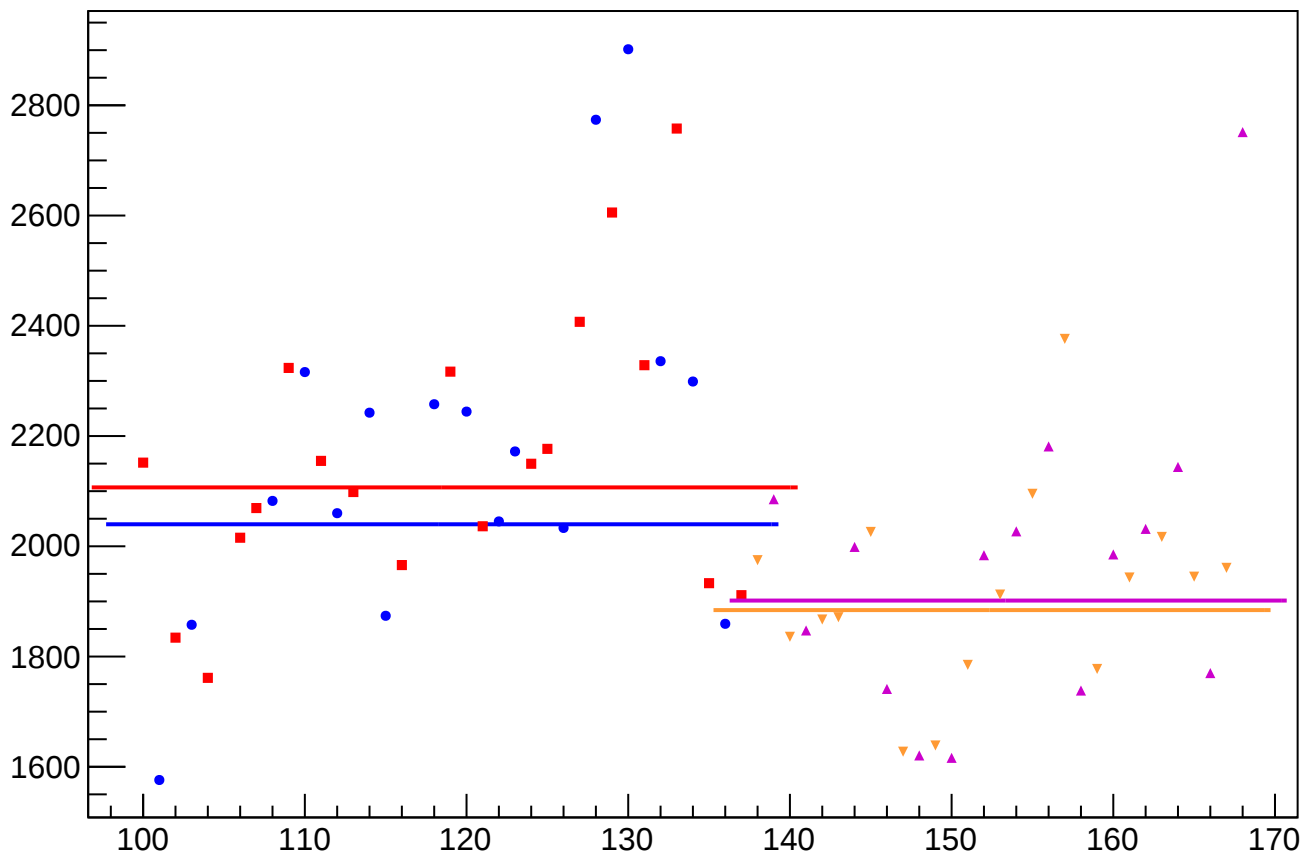
Right: 3021.022 $\pm$ 564.924 χ^2 /NDF: 30.5/35

In: 2010.887 $\pm$ 459.271 χ^2 /NDF:35.8/31

Out: 1678.562 $\pm$ 451.603 χ^2 /NDF:28.0/34

All: 1841.927 $\pm$ 322.009 χ^2 /NDF: 64.0/66

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1884.260 $\pm$ 0.388 χ^2 /NDF:192137.2/15

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

Left In: 1901.559 $\pm$ 0.396 χ^2 /NDF:371498.0/14

Left: 1892.728 $\pm$ 0.277 χ^2 /NDF: 564609.0/30

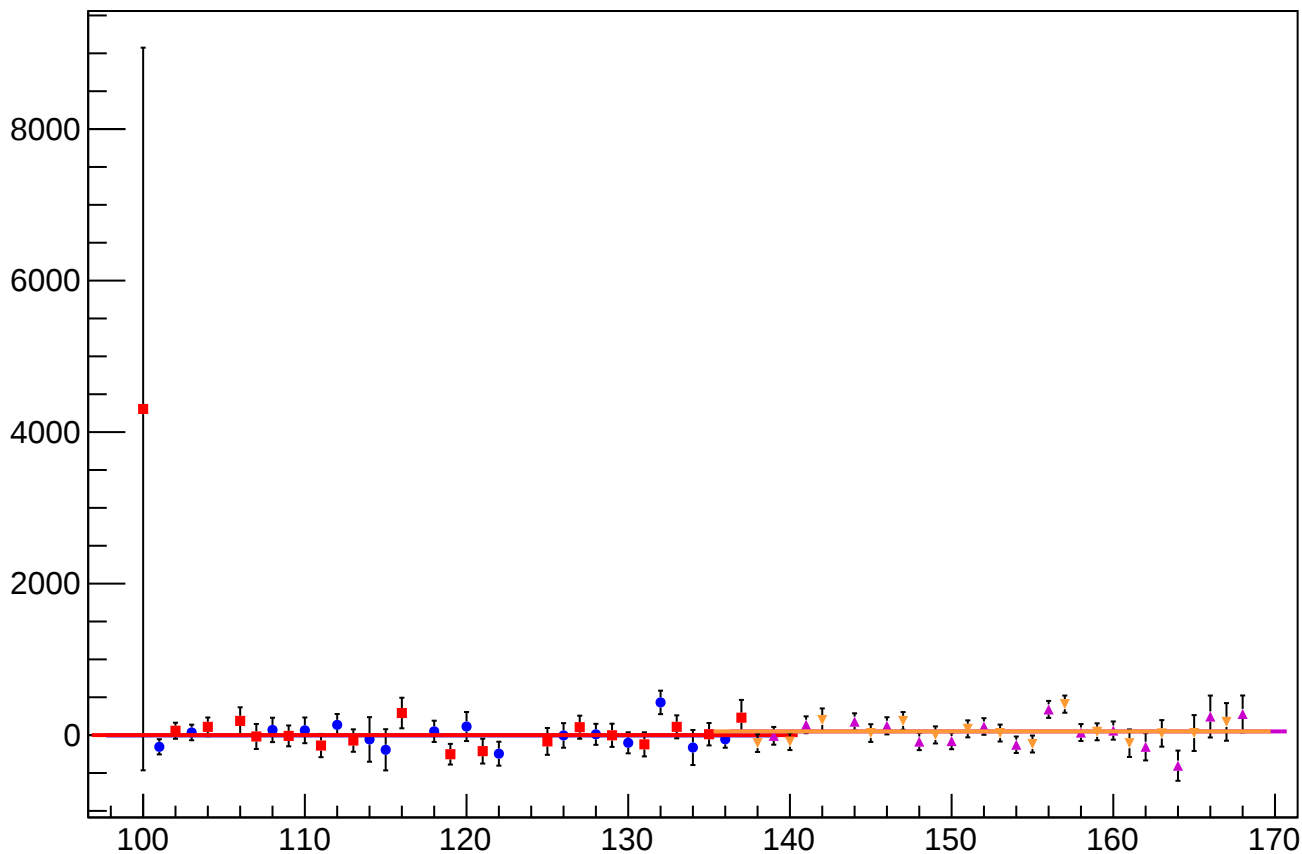
Right: 2073.664 $\pm$ 0.399 χ^2 /NDF: 534442.4/35

In: 1946.912 $\pm$ 0.325 χ^2 /NDF:743487.1/31

Out: 1955.966 $\pm$ 0.319 χ^2 /NDF:493673.4/34

All: 1951.515 $\pm$ 0.228 χ^2 /NDF: 1237555.6/66

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -3.283 $\pm$ 36.714 χ^2/NDF : 16.1/15

Left Out: 49.578 $\pm$ 33.049 χ^2/NDF : 19.2/14

Right Out: 0.487 $\pm$ 36.699 χ^2/NDF : 14.0/17

Left In: 48.941 $\pm$ 32.266 χ^2/NDF : 23.0/14

Left: 49.252 $\pm$ 23.087 χ^2/NDF : 42.2/29

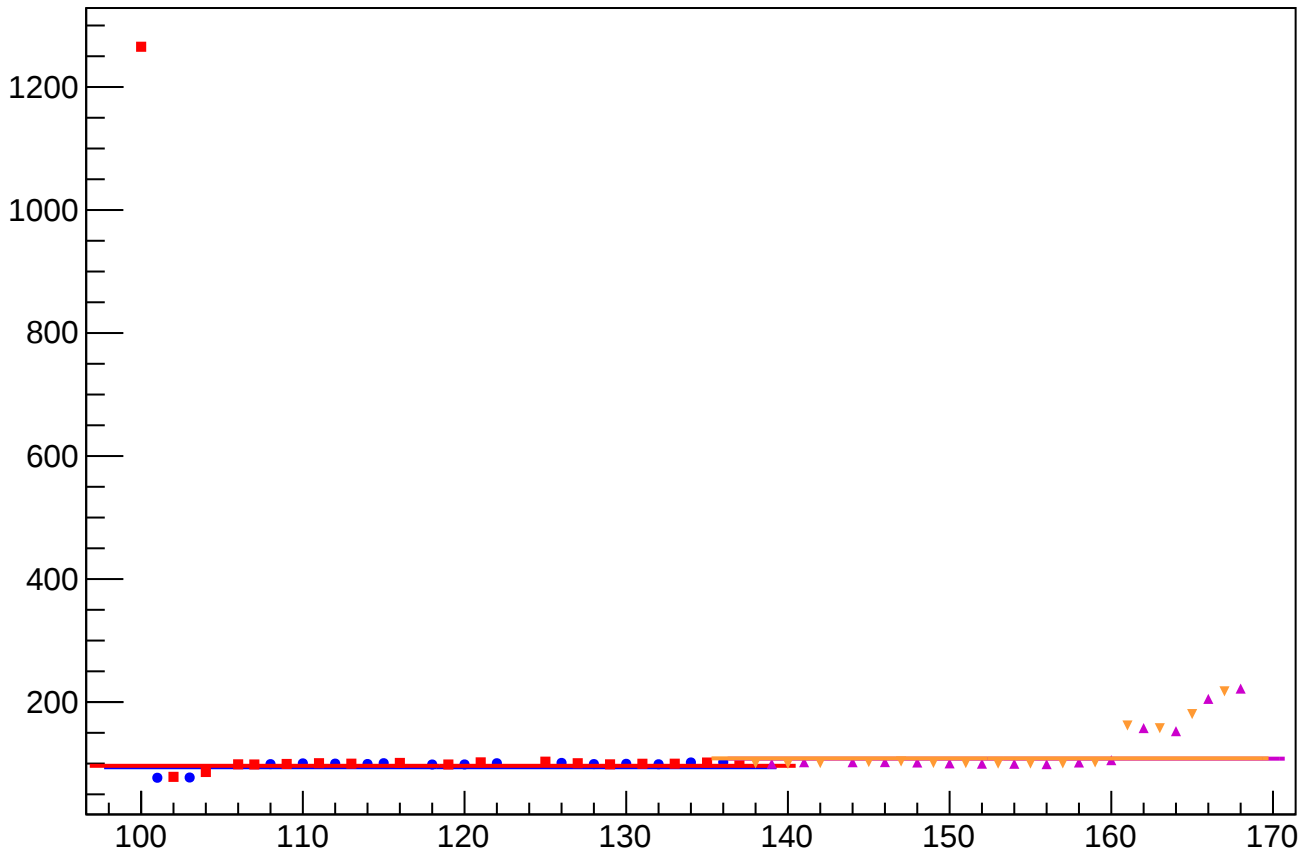
Right: -1.397 $\pm$ 25.955 χ^2/NDF : 30.1/33

In: 26.183 $\pm$ 24.236 χ^2/NDF : 40.3/30

Out: 27.594 $\pm$ 24.558 χ^2/NDF : 34.1/32

All: 26.879 $\pm$ 17.250 χ^2/NDF : 74.4/63

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 108.489+/-0.023 χ^2/NDF : 996584.6/14

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

Left In: 107.978+/-0.023 χ^2/NDF : 1021450.0/14

Left: 108.227+/-0.016 χ^2/NDF : 2018279.4/29

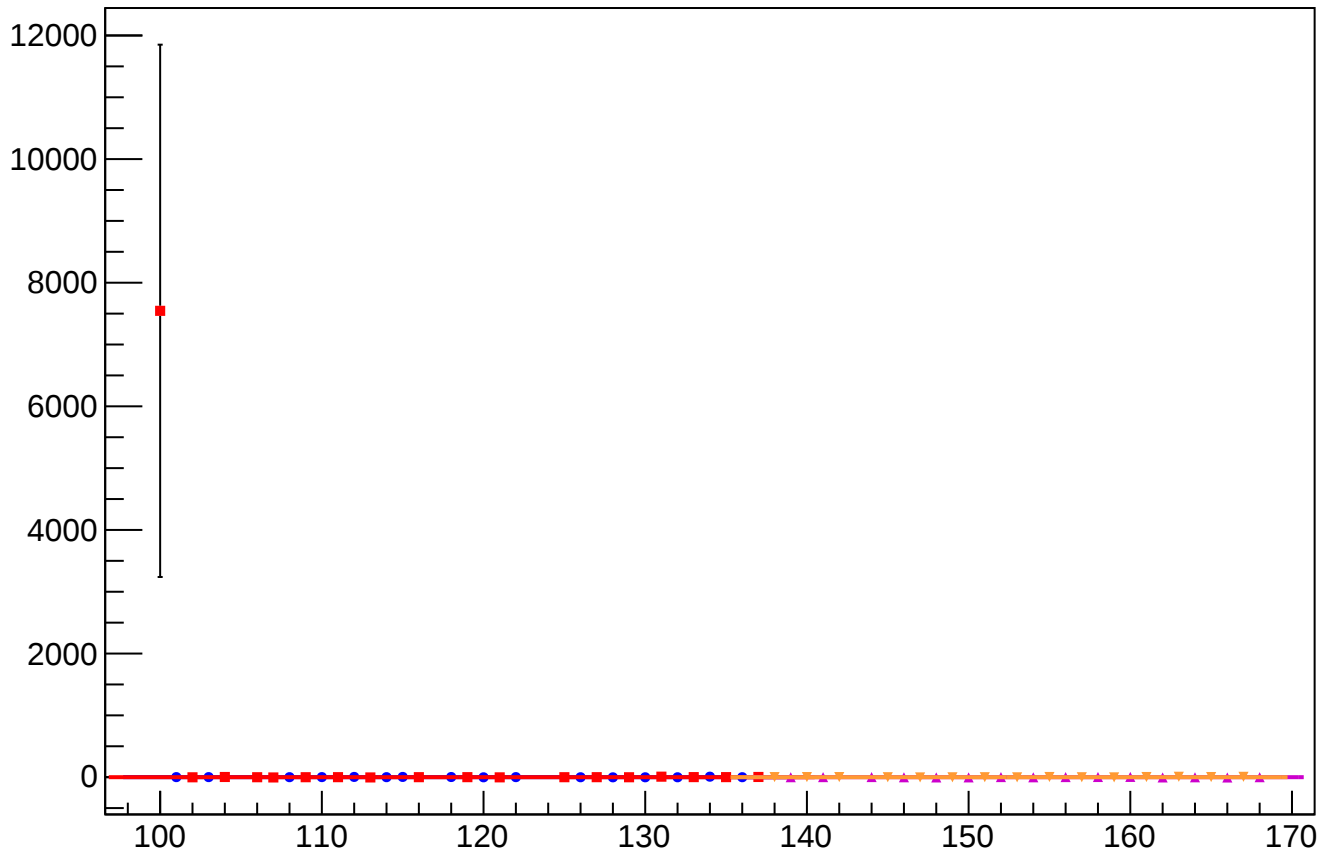
Right: 95.221+/-0.018 χ^2/NDF : 365453.7/33

In: 101.916+/-0.017 χ^2/NDF : 1335706.5/30

Out: 103.063+/-0.017 χ^2/NDF : 1326200.6/32

All: 102.482+/-0.012 χ^2/NDF : 2664115.8/63

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.328+/-0.575 χ^2/NDF : 20.3/14

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

Left In: -0.094+/-0.590 χ^2/NDF : 20.9/14

Left: -0.214+/-0.412 χ^2/NDF : 41.4/29

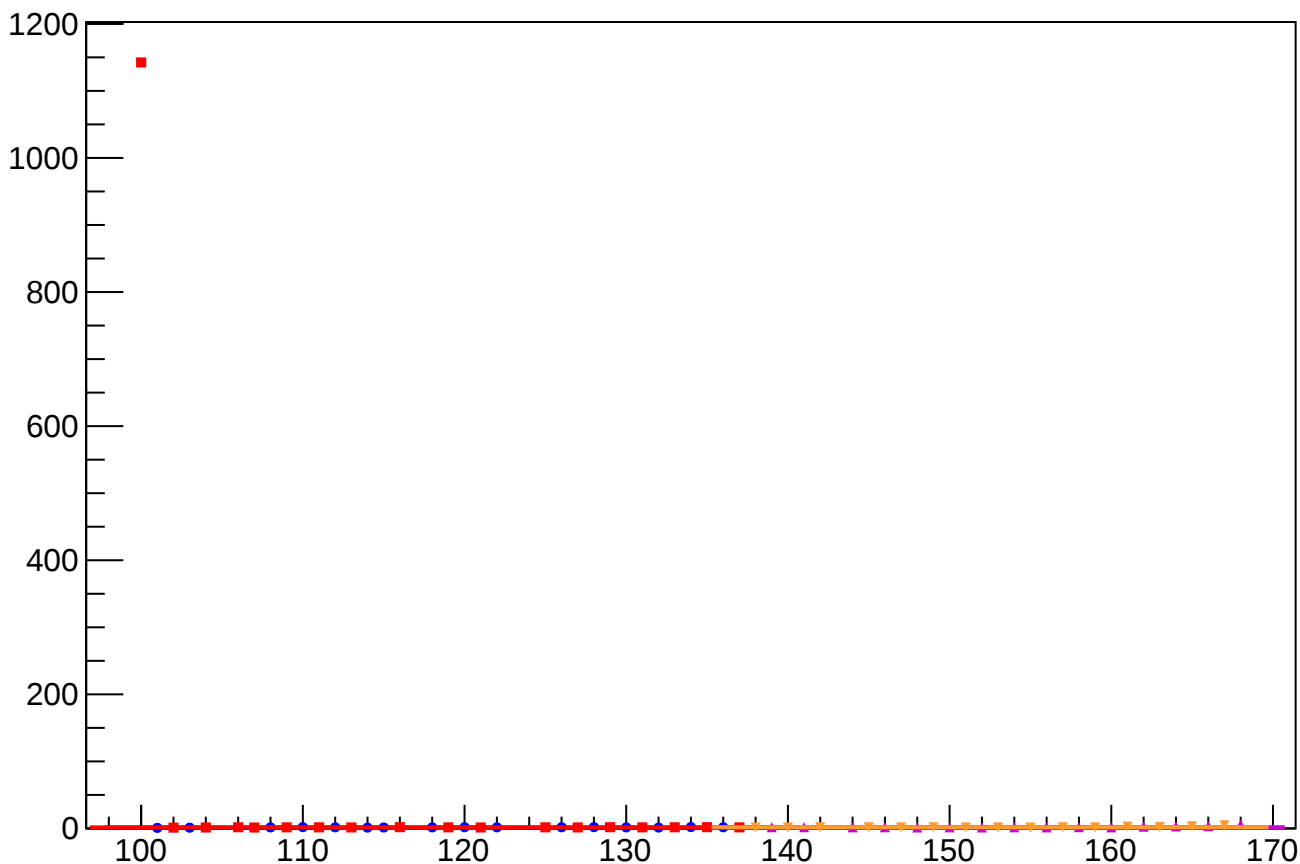
Right: 0.073+/-0.445 χ^2/NDF : 33.2/33

In: 0.155+/-0.426 χ^2/NDF : 31.0/30

Out: -0.321+/-0.429 χ^2/NDF : 43.1/32

All: -0.082+/-0.302 χ^2/NDF : 74.8/63

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.707+/-0.000 χ^2/NDF :1055202.6/14

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

Left In: 1.809+/-0.000 χ^2/NDF :1370659.0/14

Left: 1.757+/-0.000 χ^2/NDF : 2456102.4/29

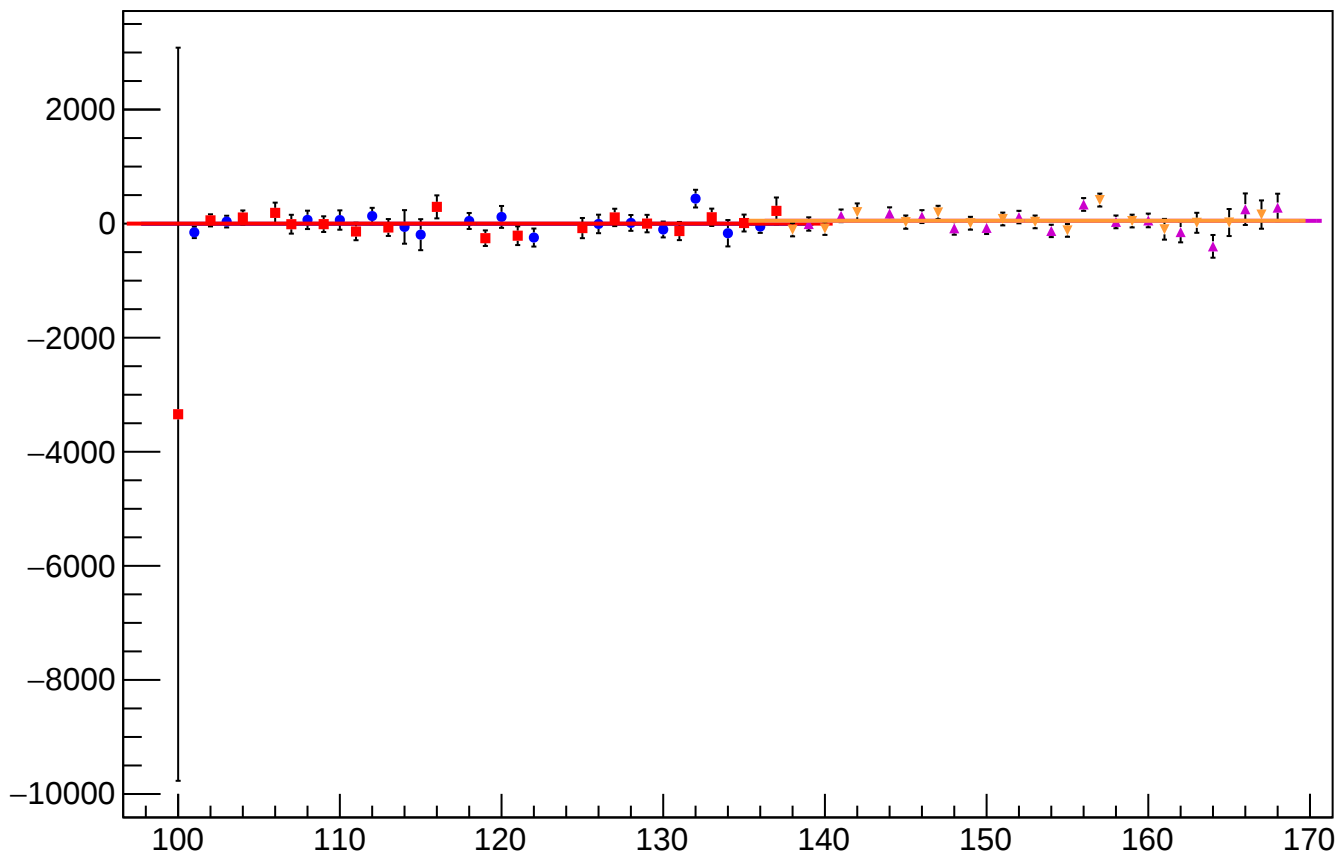
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

In: 1.623+/-0.000 χ^2/NDF :2518025.5/30

Out: 1.640+/-0.000 χ^2/NDF :1432975.6/32

All: 1.631+/-0.000 χ^2/NDF : 3952646.3/63

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 50.115 ± 33.058 $\chi^2/\text{NDF}: 19.5/14$

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

Left In: 48.887 ± 32.276 $\chi^2/\text{NDF}: 22.5/14$

Left: 49.486 ± 23.094 $\chi^2/\text{NDF}: 42.1/29$

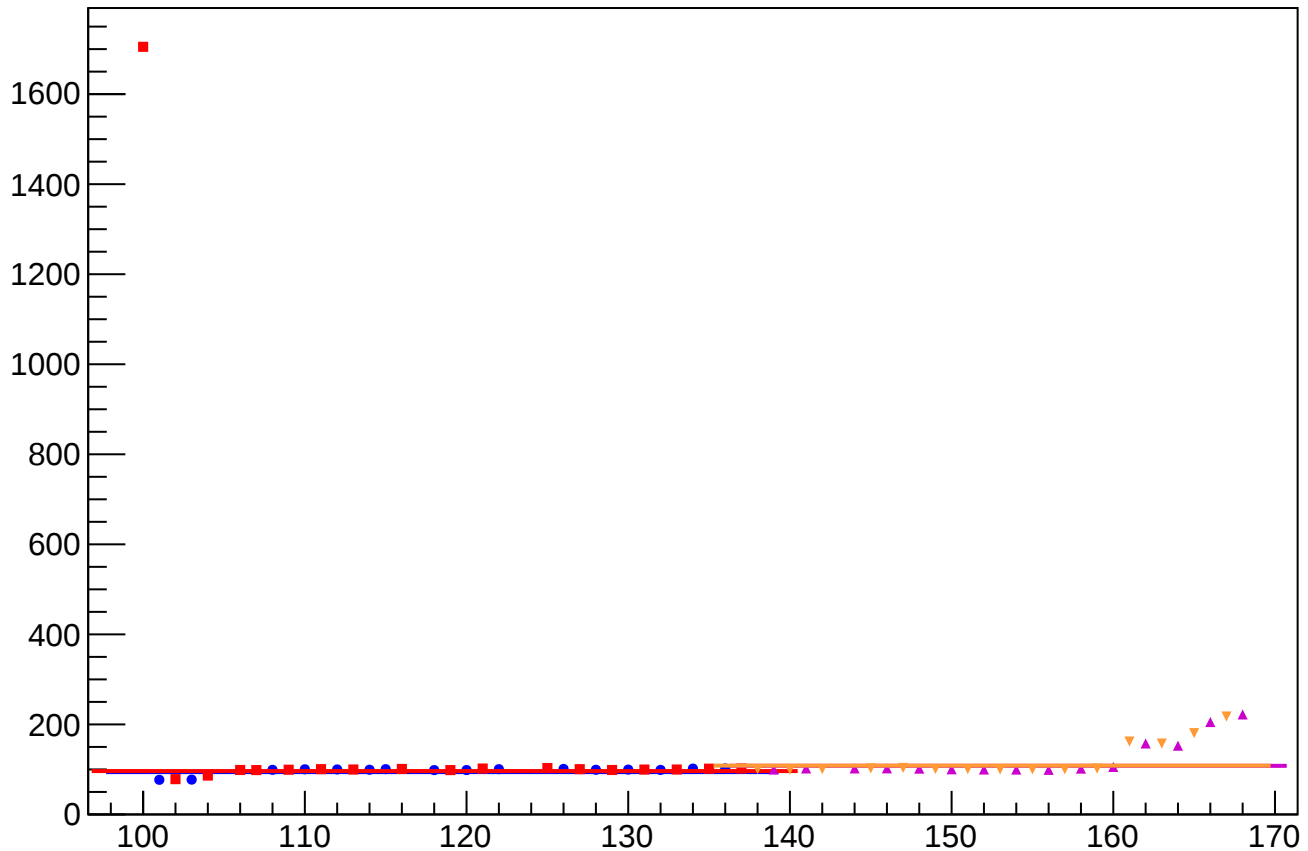
Right: -1.463 ± 25.962 $\chi^2/\text{NDF}: 29.8/33$

In: 26.231 ± 24.243 $\chi^2/\text{NDF}: 39.9/30$

Out: 27.749 ± 24.565 $\chi^2/\text{NDF}: 34.1/32$

All: 26.980 ± 17.255 $\chi^2/\text{NDF}: 74.0/63$

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 108.518+/-0.023 χ^2/NDF : 997171.7/14

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

Left In: 108.007+/-0.023 χ^2/NDF : 1022177.0/14

Left: 108.256+/-0.016 χ^2/NDF : 2019592.9/29

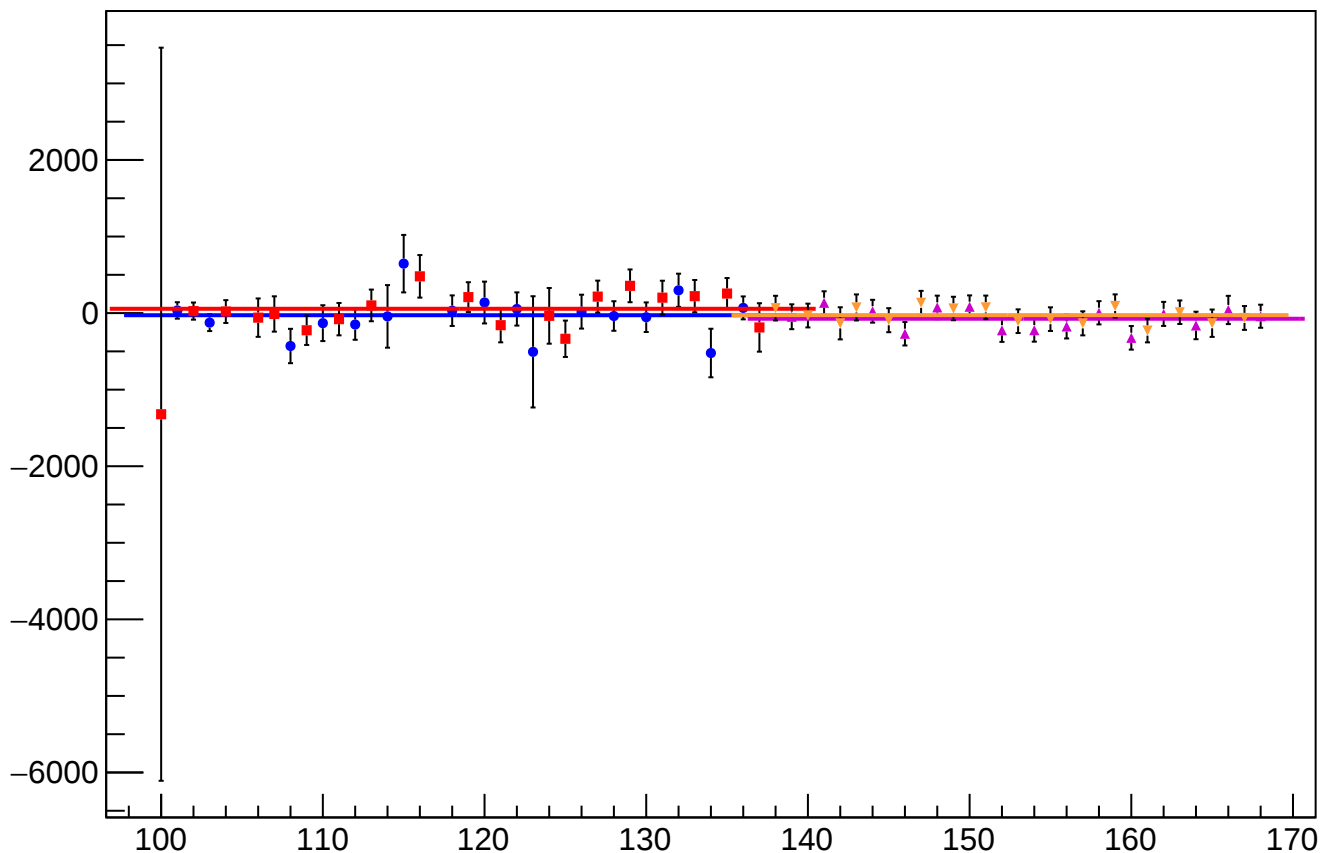
Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33

In: 101.943+/-0.017 χ^2/NDF : 1336484.9/30

Out: 103.083+/-0.017 χ^2/NDF : 1332258.2/32

All: 102.505+/-0.012 χ^2/NDF : 2670923.3/63

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -26.606 ± 39.881 $\chi^2/\text{NDF}: 6.6/15$

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

Left In: -73.878 ± 40.276 $\chi^2/\text{NDF}: 12.2/14$

Left: -50.009 ± 28.339 $\chi^2/\text{NDF}: 19.4/30$

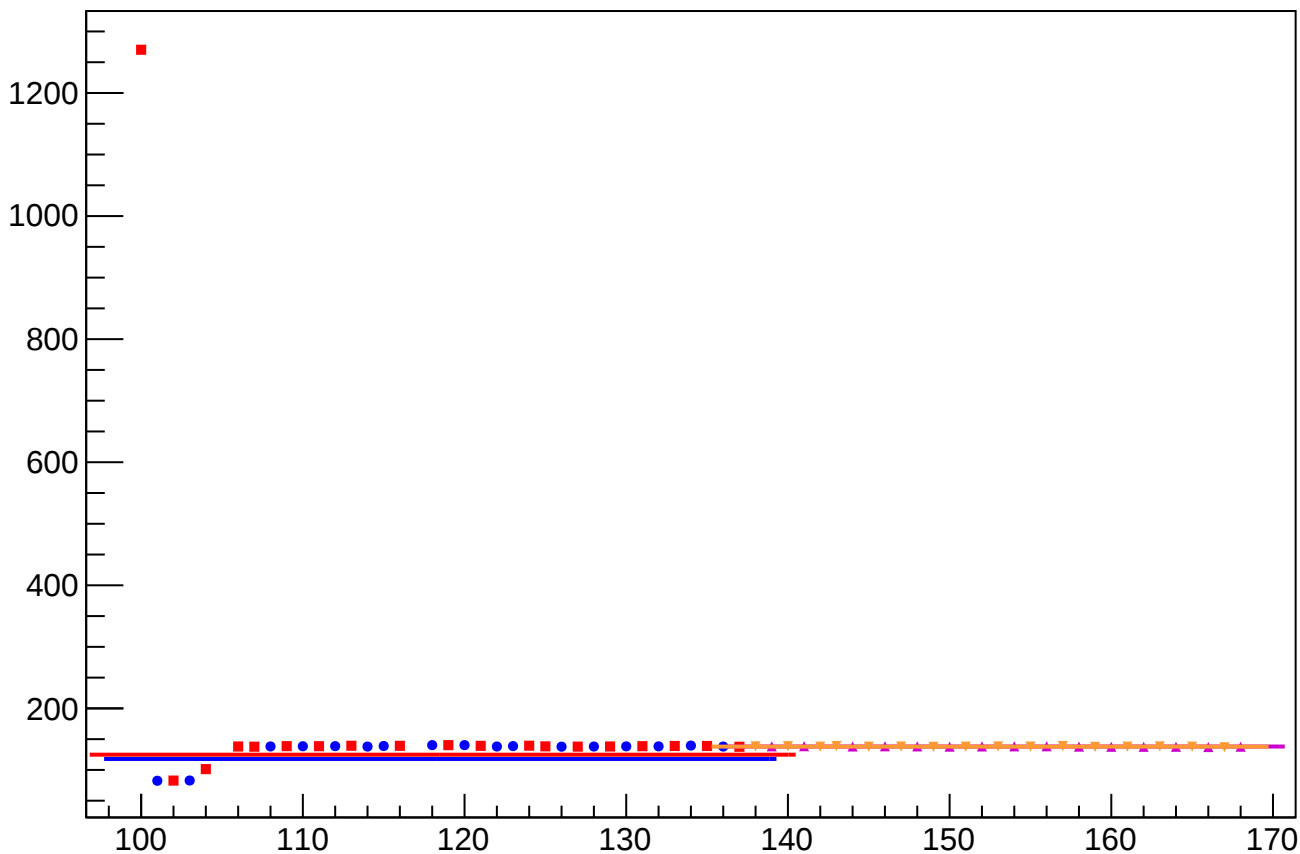
Right: 13.449 ± 33.401 $\chi^2/\text{NDF}: 30.8/35$

In: -54.278 ± 30.521 $\chi^2/\text{NDF}: 27.0/31$

Out: 7.537 ± 30.598 $\chi^2/\text{NDF}: 23.2/34$

All: -23.448 ± 21.609 $\chi^2/\text{NDF}: 52.3/66$

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.938 $\pm$ 0.028 χ^2 /NDF:290.3/15

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

Left In: 138.032 $\pm$ 0.028 χ^2 /NDF:156.6/14

Left: 137.985 $\pm$ 0.020 χ^2 /NDF: 452.4/30

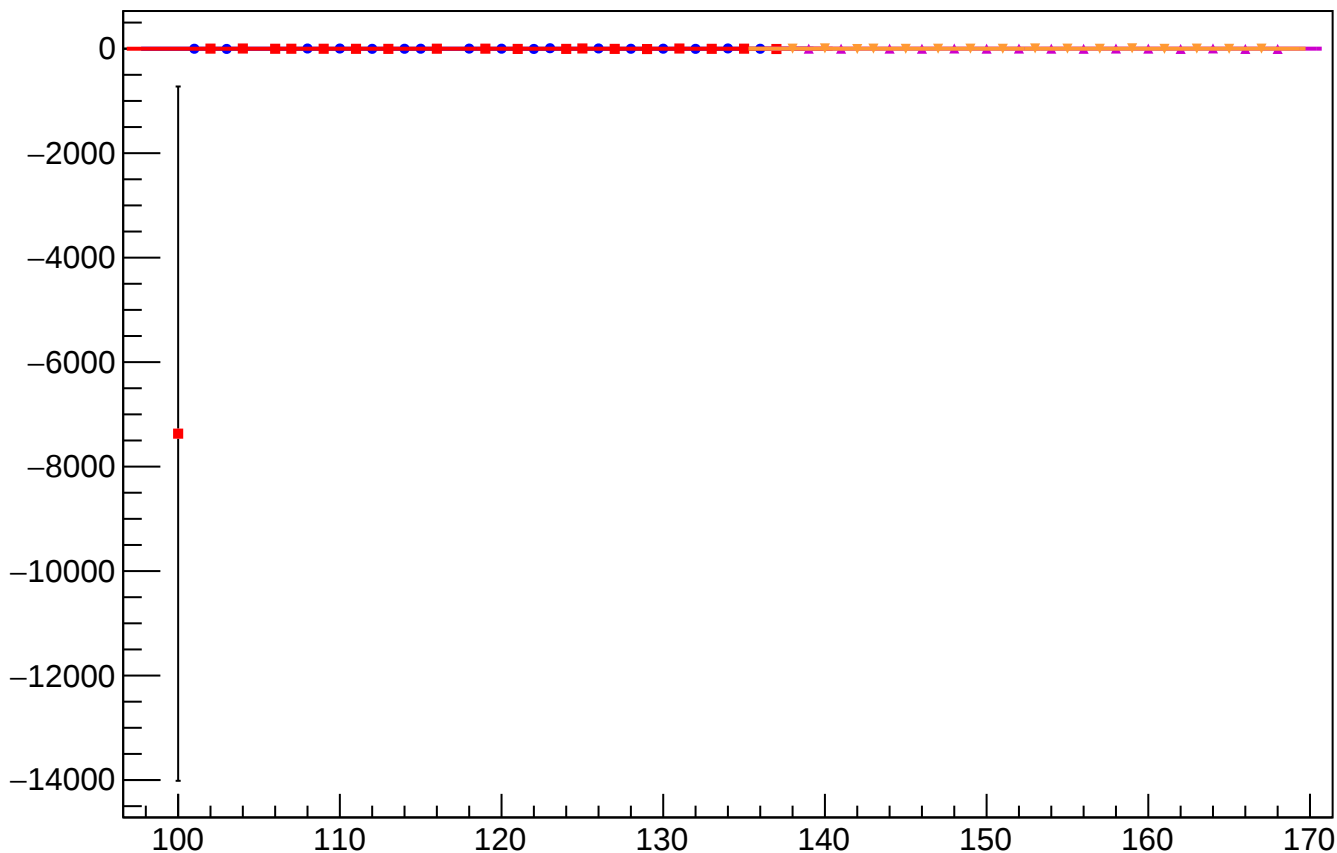
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

In: 129.425 $\pm$ 0.022 χ^2 /NDF:881291.1/31

Out: 132.519 $\pm$ 0.022 χ^2 /NDF:659846.4/34

All: 130.968 $\pm$ 0.015 χ^2 /NDF: 1551387.6/66

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.474 ± 0.687 χ^2/NDF : 20.4/15

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

Left In: 0.728 ± 0.692 χ^2/NDF : 15.4/14

Left: 0.600 ± 0.487 χ^2/NDF : 35.8/30

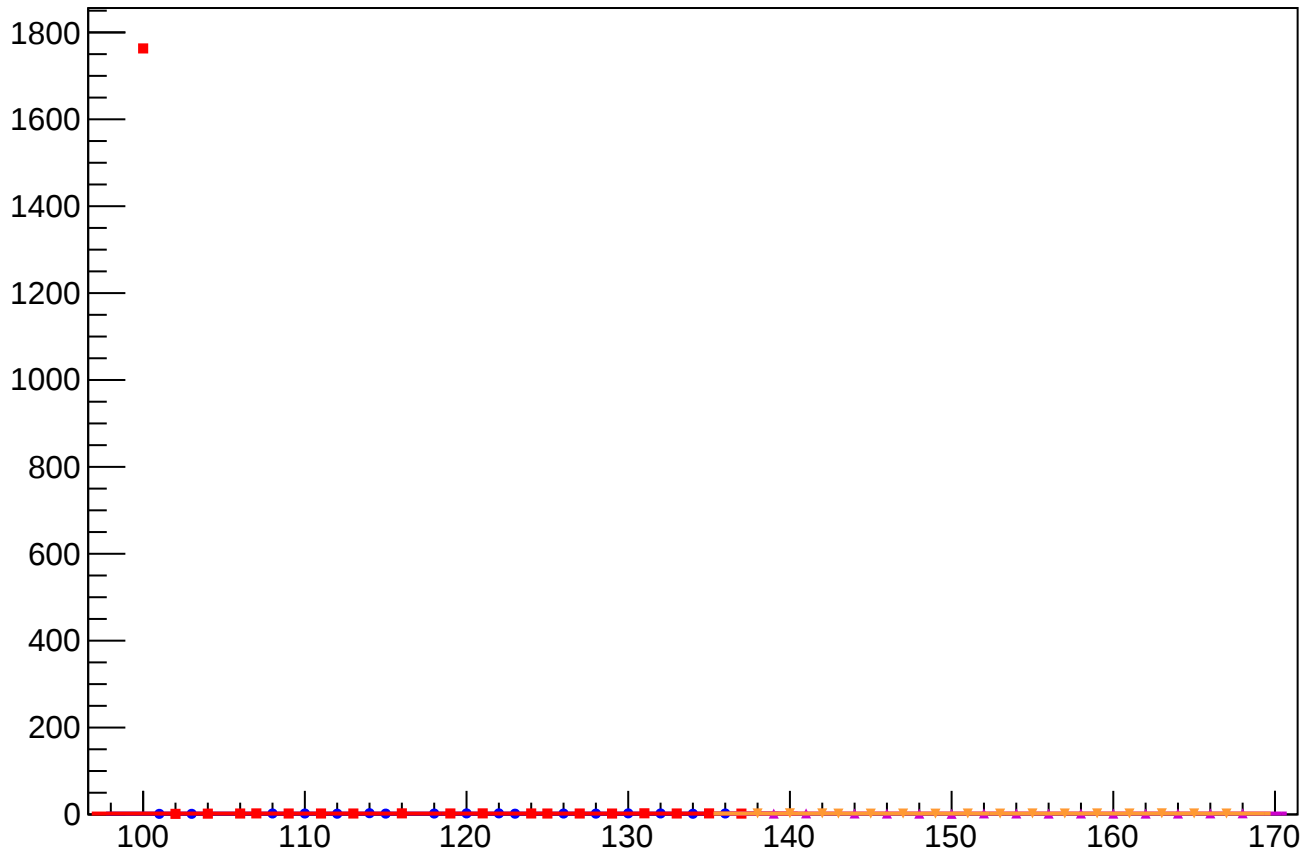
Right: -0.673 ± 0.587 χ^2/NDF : 26.3/35

In: 0.128 ± 0.526 χ^2/NDF : 29.8/31

Out: 0.031 ± 0.535 χ^2/NDF : 35.1/34

All: 0.080 ± 0.375 χ^2/NDF : 64.9/66

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.180 $\pm$ 0.000 χ^2 /NDF: 213179.5/15

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

Left In: 2.131 $\pm$ 0.000 χ^2 /NDF: 365955.2/14

Left: 2.156 $\pm$ 0.000 χ^2 /NDF: 584278.8/30

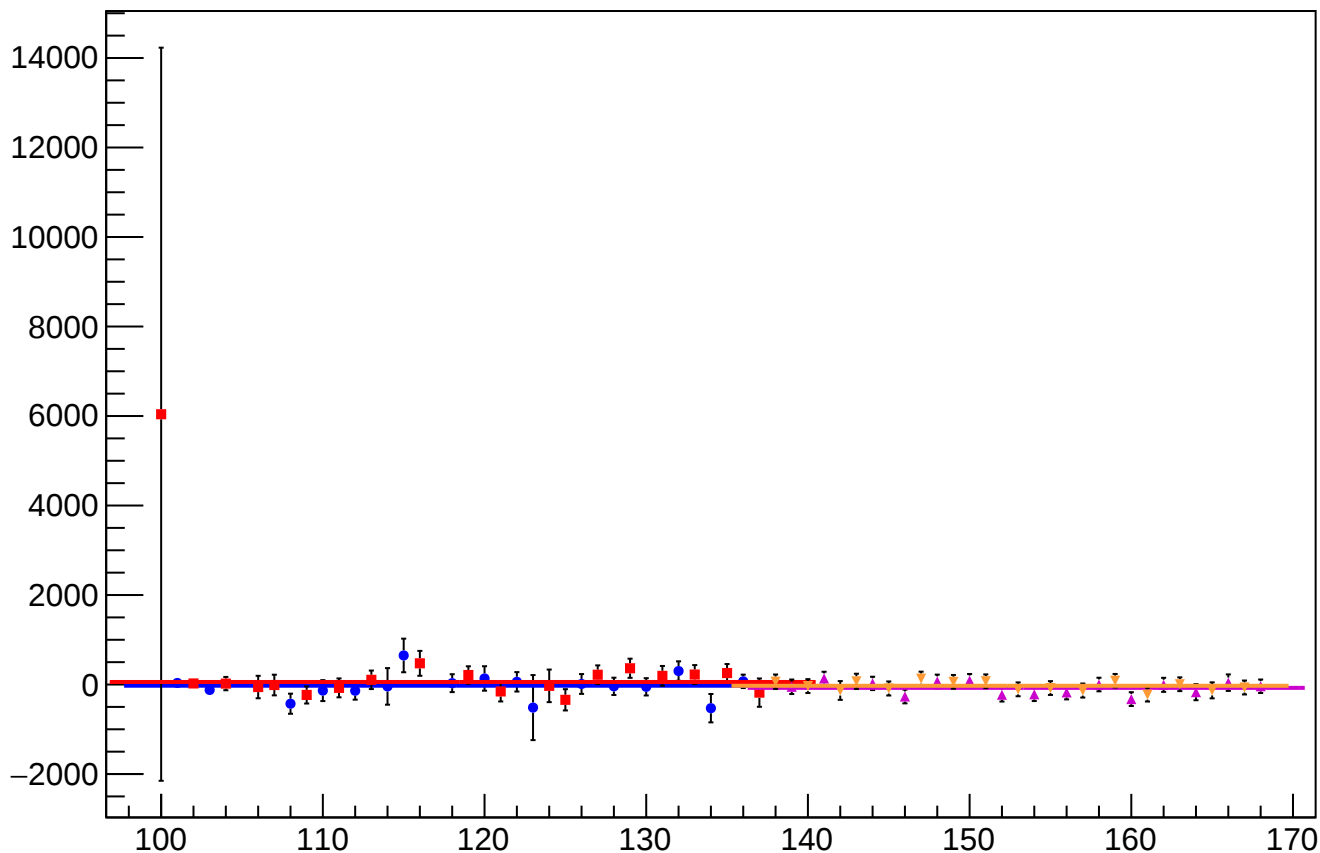
Right: 1.962 $\pm$ 0.000 χ^2 /NDF: 1074296.8/35

In: 2.021 $\pm$ 0.000 χ^2 /NDF: 979846.5/31

Out: 2.135 $\pm$ 0.000 χ^2 /NDF: 760852.3/34

All: 2.077 $\pm$ 0.000 χ^2 /NDF: 1787158.3/66

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -27.757+/-39.891 χ^2 /NDF: 6.3/15

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

Left In: -74.328+/-40.287 χ^2 /NDF: 12.2/14

Left: -50.813+/-28.346 χ^2 /NDF: 19.2/30

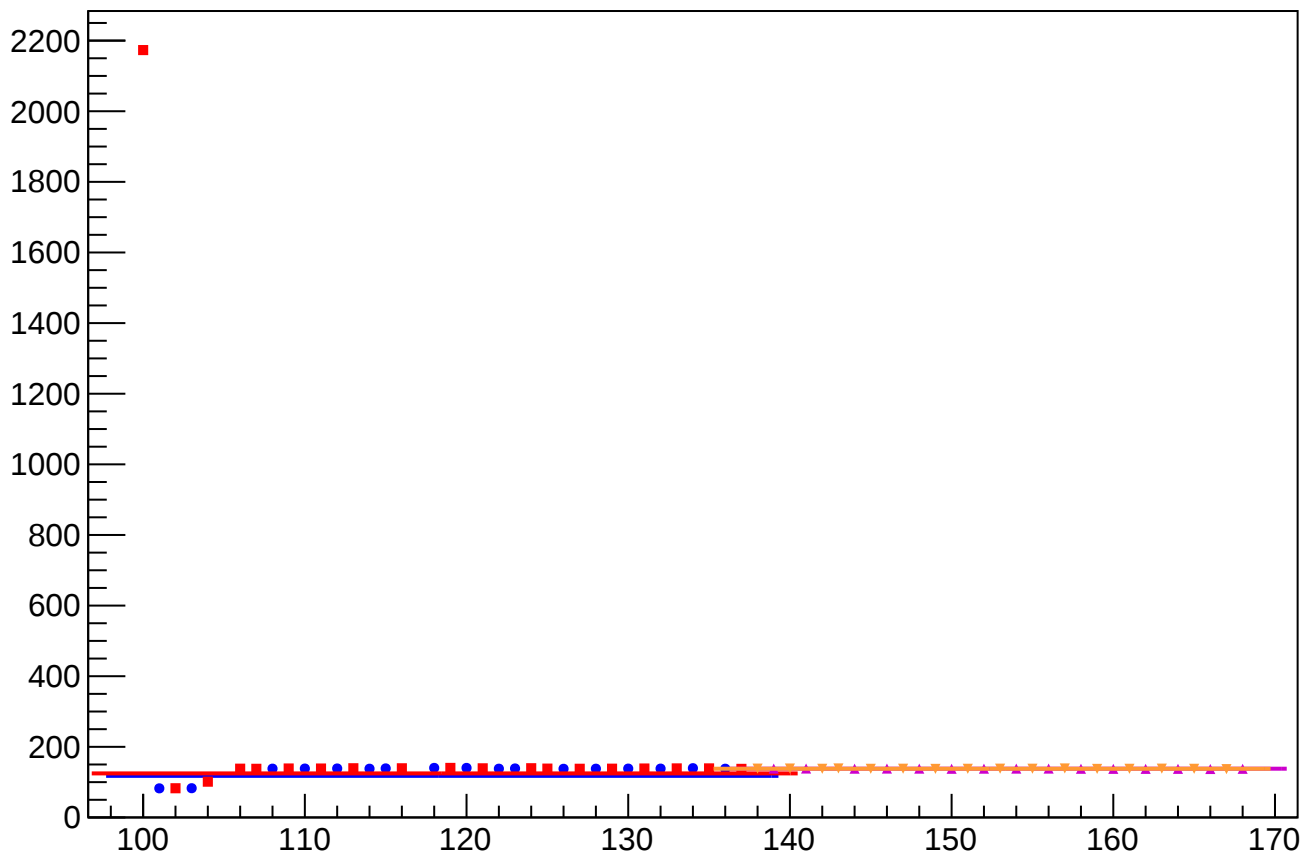
Right: 14.681+/-33.410 χ^2 /NDF: 31.4/35

In: -53.863+/-30.530 χ^2 /NDF: 27.2/31

Out: 7.216+/-30.607 χ^2 /NDF: 23.7/34

All: -23.400+/-21.615 χ^2 /NDF: 52.9/66

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.975 $\pm$ 0.028 χ^2/NDF : 290.0/15

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

Left In: 138.071 $\pm$ 0.028 χ^2/NDF : 154.9/14

Left: 138.022 $\pm$ 0.020 χ^2/NDF : 450.7/30

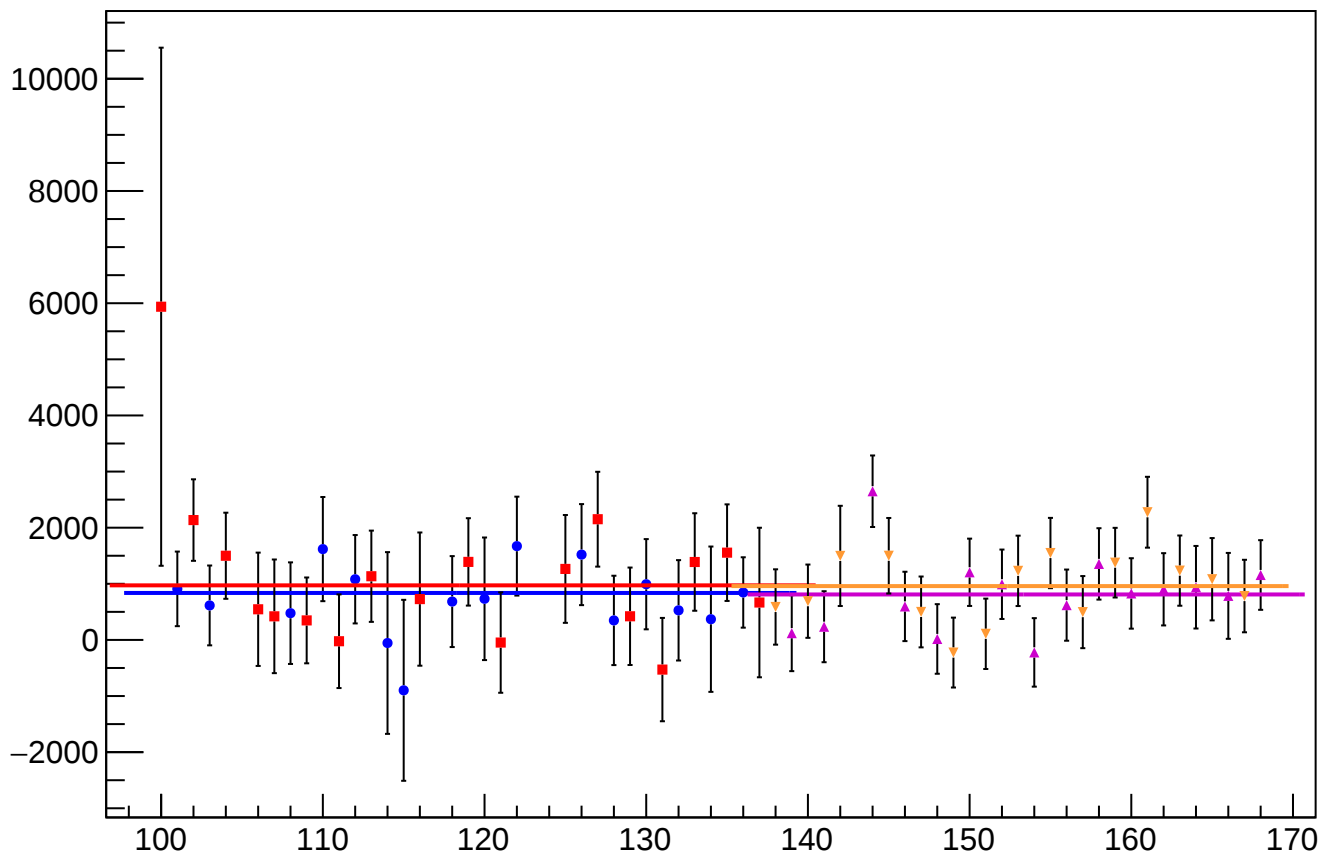
Right: 121.231 $\pm$ 0.024 χ^2/NDF : 1268326.7/35

In: 129.460 $\pm$ 0.022 χ^2/NDF : 881347.0/31

Out: 132.536 $\pm$ 0.022 χ^2/NDF : 671017.6/34

All: 130.994 $\pm$ 0.015 χ^2/NDF : 1562487.5/66

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 959.216 $\pm$ 168.816 χ^2 /NDF:14.2/14

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

Left In: 810.215 $\pm$ 165.515 χ^2 /NDF:16.5/14

Left: 883.244 $\pm$ 118.186 χ^2 /NDF: 31.1/29

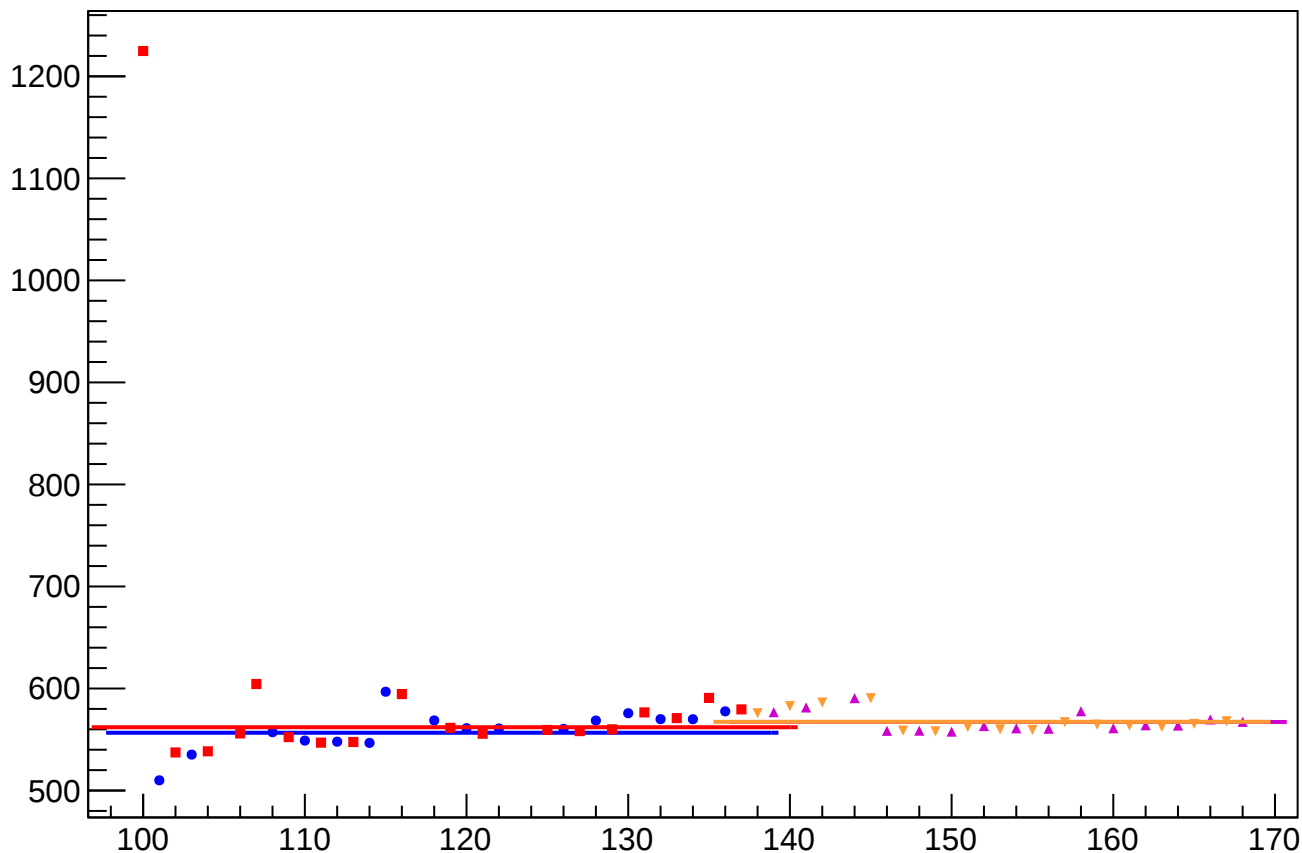
Right: 905.821 $\pm$ 151.634 χ^2 /NDF: 19.2/33

In: 820.131 $\pm$ 131.419 χ^2 /NDF:21.2/30

Out: 964.320 $\pm$ 132.241 χ^2 /NDF:28.4/32

All: 891.776 $\pm$ 93.217 χ^2 /NDF: 50.3/63

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 567.344 $\pm$ 0.119 χ^2 /NDF: 6485.9/14

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

Left In: 567.194 $\pm$ 0.117 χ^2 /NDF: 6729.7/14

Left: 567.268 $\pm$ 0.084 χ^2 /NDF: 13216.4/29

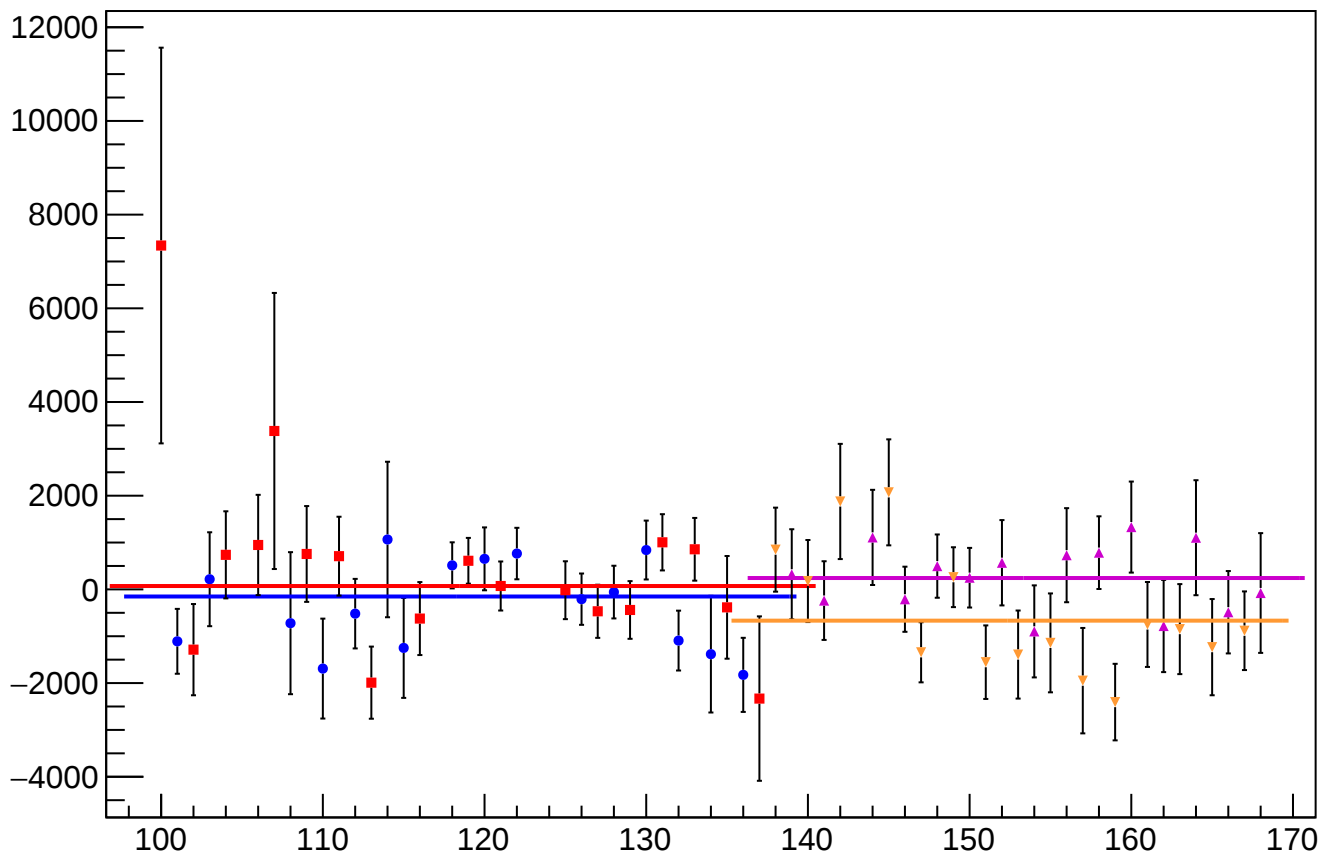
Right: 559.386 $\pm$ 0.107 χ^2 /NDF: 74603.5/33

In: 563.293 $\pm$ 0.093 χ^2 /NDF: 28128.5/30

Out: 565.298 $\pm$ 0.094 χ^2 /NDF: 62821.7/32

All: 564.289 $\pm$ 0.066 χ^2 /NDF: 91181.4/63

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -667.398 $\pm$ 226.597 χ^2/NDF : 25.5/14

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

Left In: 242.591 $\pm$ 224.997 χ^2/NDF : 7.4/14

Left: -209.178 $\pm$ 159.660 χ^2/NDF : 41.0/29

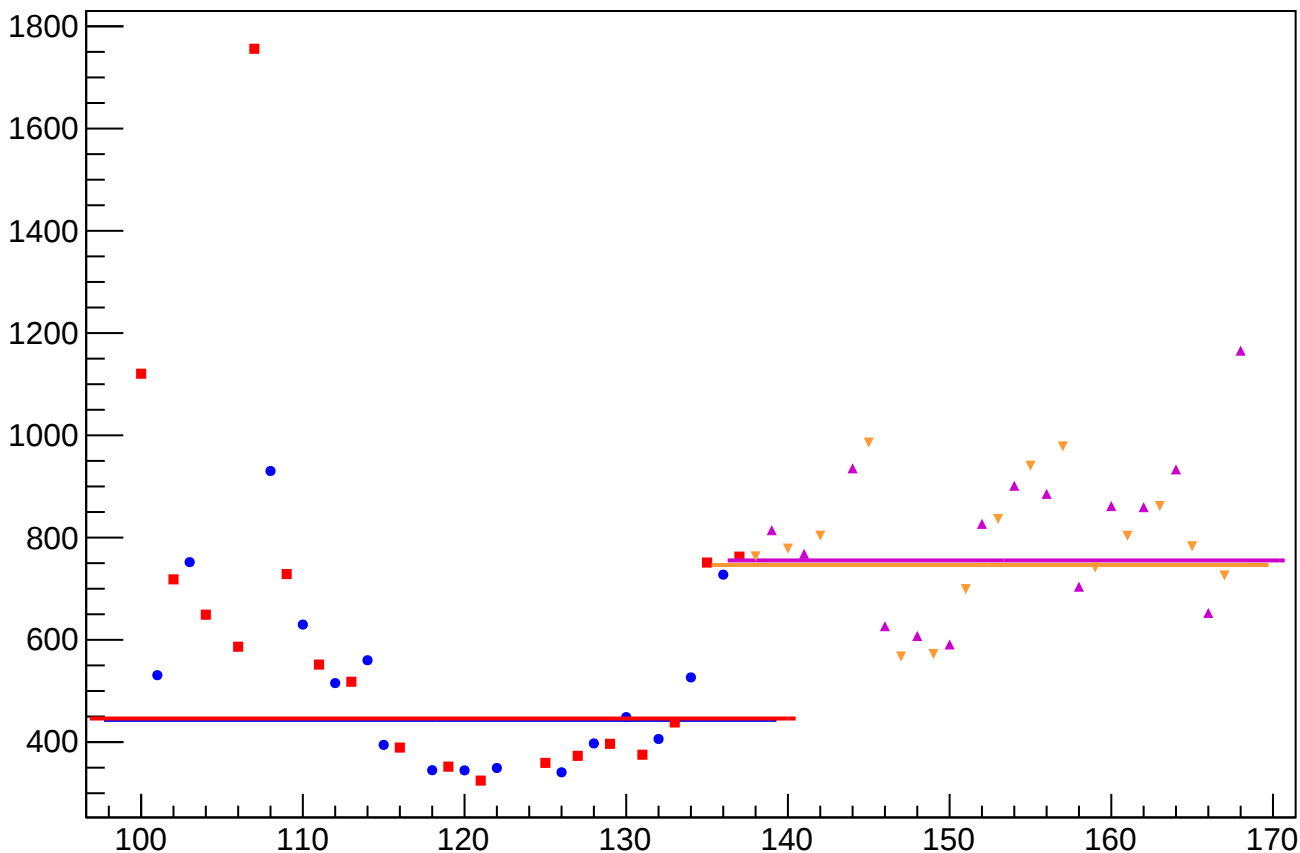
Right: -39.177 $\pm$ 126.832 χ^2/NDF : 48.1/33

In: 2.147 $\pm$ 140.593 χ^2/NDF : 31.6/30

Out: -211.602 $\pm$ 140.300 χ^2/NDF : 57.0/32

All: -104.951 $\pm$ 99.310 χ^2/NDF : 89.8/63

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 746.447+/-0.160 χ^2/NDF : 620319.7/14

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

Left In: 755.317+/-0.159 χ^2/NDF : 789253.9/14

Left: 750.913+/-0.113 χ^2/NDF : 1411116.9/29

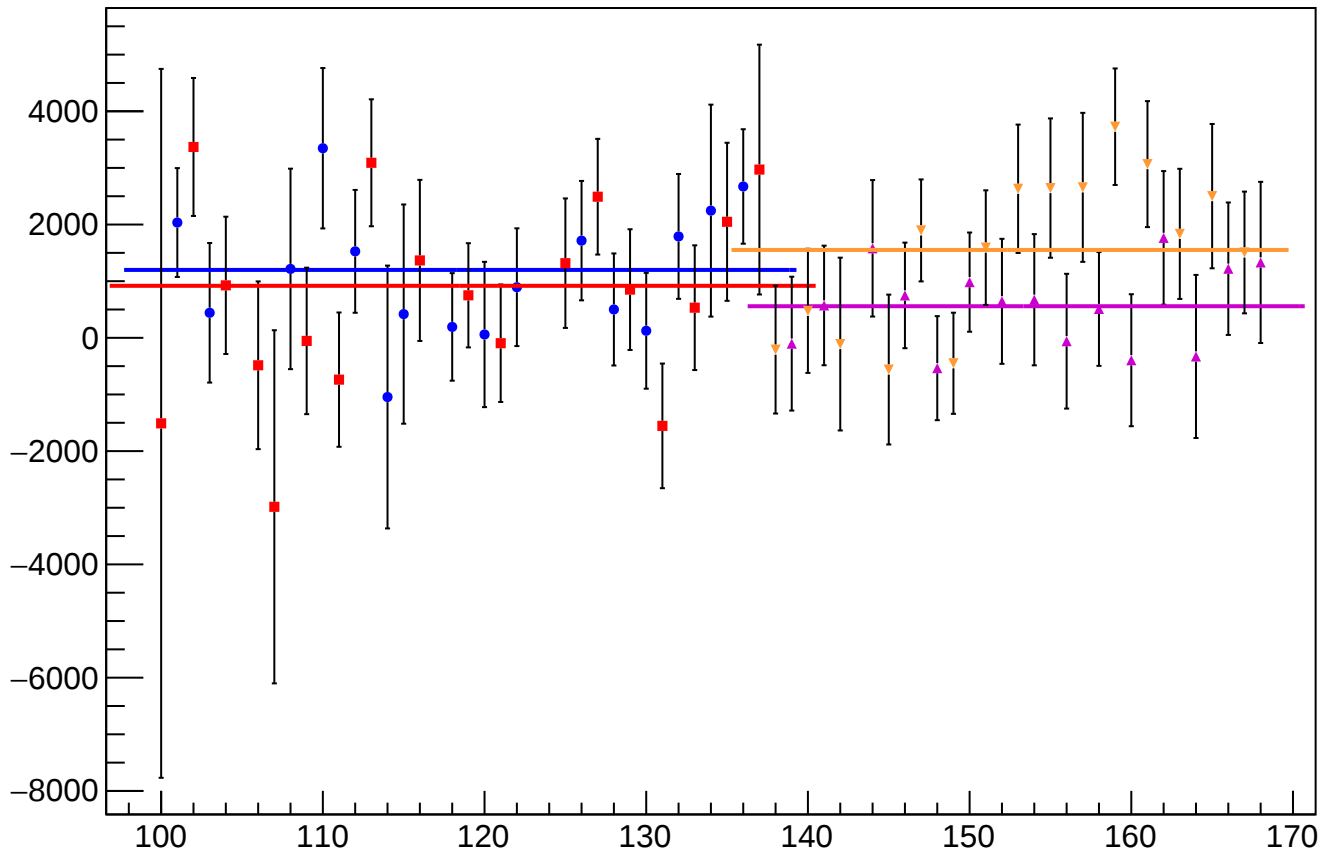
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

In: 565.221+/-0.099 χ^2/NDF : 4192368.7/30

Out: 561.269+/-0.099 χ^2/NDF : 4246334.2/32

All: 563.241+/-0.070 χ^2/NDF : 8439494.8/63

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 1551.877 $\pm$ 287.526 χ^2 /NDF:21.7/14

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

Left In: 557.872 $\pm$ 284.316 χ^2 /NDF:5.7/14

Left: 1049.295 $\pm$ 202.167 χ^2 /NDF: 33.4/29

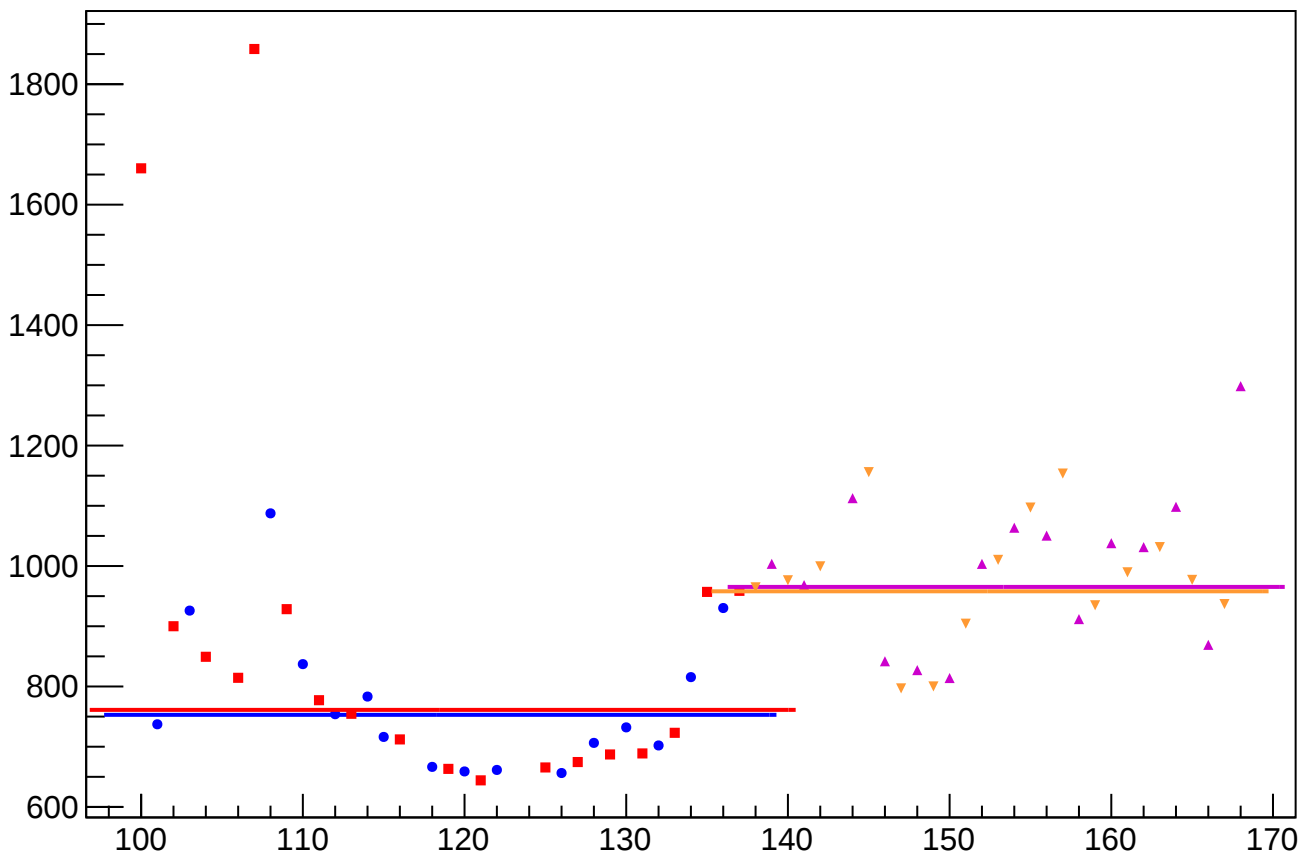
Right: 1057.763 $\pm$ 208.076 χ^2 /NDF: 34.9/33

In: 866.339 $\pm$ 204.796 χ^2 /NDF:19.4/30

Out: 1241.435 $\pm$ 205.321 χ^2 /NDF:47.2/32

All: 1053.407 $\pm$ 144.998 χ^2 /NDF: 68.3/63

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 958.024+/-0.203 χ^2/NDF : 265169.5/14

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

Left In: 965.329+/-0.201 χ^2/NDF : 359146.6/14

Left: 961.717+/-0.143 χ^2/NDF : 624968.7/29

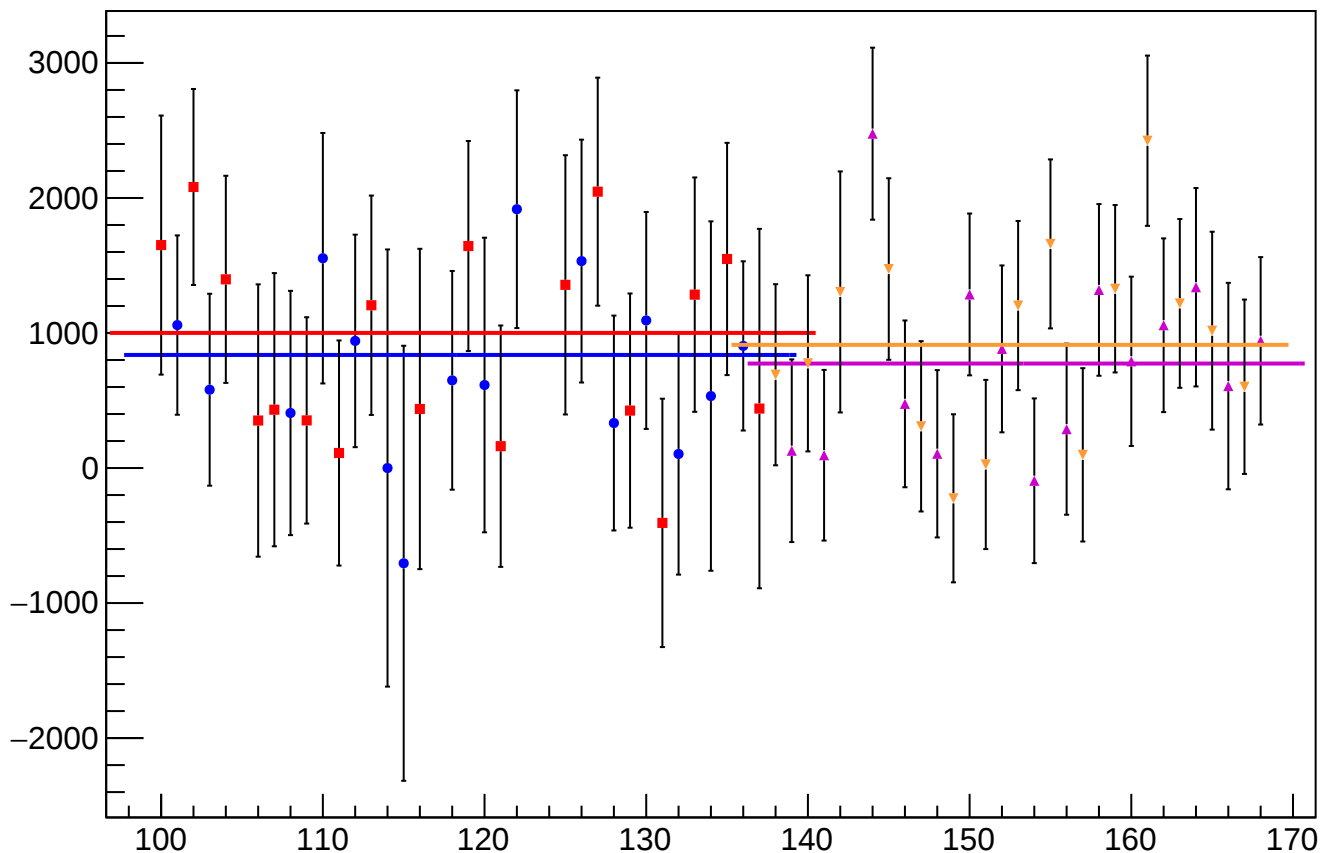
Right: 757.076+/-0.147 χ^2/NDF : 770443.9/33

In: 863.136+/-0.145 χ^2/NDF : 1148684.0/30

Out: 861.547+/-0.145 χ^2/NDF : 1241785.4/32

All: 862.344+/-0.103 χ^2/NDF : 2390529.4/63

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 837.557 ± 216.015 $\chi^2/\text{NDF}: 5.7/15$

Left Out: 912.485 ± 168.669 $\chi^2/\text{NDF}: 17.2/14$

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

Left In: 773.826 ± 165.379 $\chi^2/\text{NDF}: 15.6/14$

Left: 841.790 ± 118.086 $\chi^2/\text{NDF}: 33.2/29$

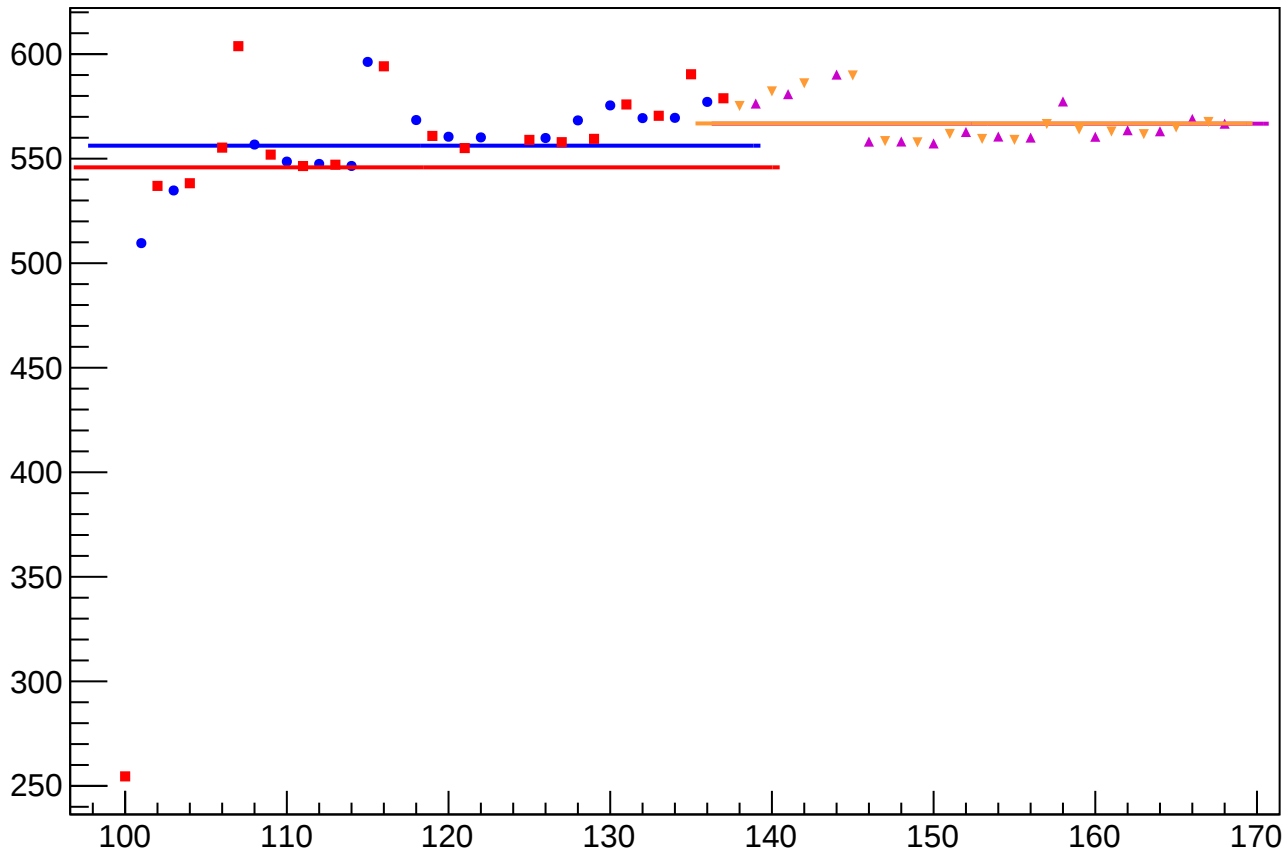
Right: 922.267 ± 149.737 $\chi^2/\text{NDF}: 18.5/33$

In: 797.377 ± 131.314 $\chi^2/\text{NDF}: 21.4/30$

Out: 947.499 ± 130.945 $\chi^2/\text{NDF}: 29.9/32$

All: 872.649 ± 92.722 $\chi^2/\text{NDF}: 51.9/63$

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 566.849 ± 0.119 χ^2/NDF : 6443.8/14

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

Left In: 566.728 ± 0.117 χ^2/NDF : 6759.2/14

Left: 566.787 ± 0.083 χ^2/NDF : 13203.5/29

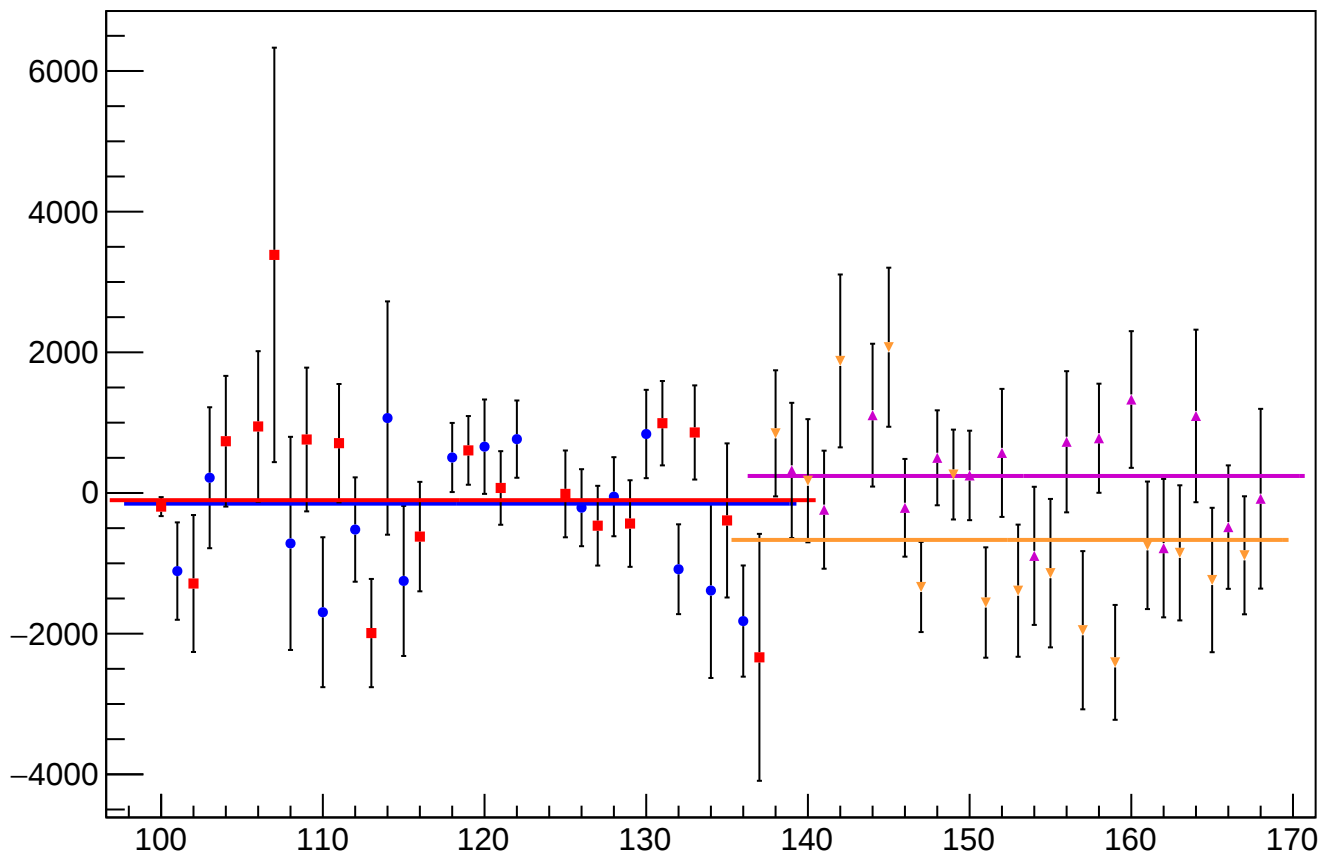
Right: 550.825 ± 0.106 χ^2/NDF : 228450.1/33

In: 562.841 ± 0.093 χ^2/NDF : 28166.1/30

Out: 558.504 ± 0.093 χ^2/NDF : 226406.5/32

All: 560.667 ± 0.066 χ^2/NDF : 255666.6/63

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -667.088+/-226.494 χ^2/NDF : 25.5/14

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

Left In: 242.128+/-224.870 χ^2/NDF : 7.4/14

Left: -209.209+/-159.578 χ^2/NDF : 41.0/29

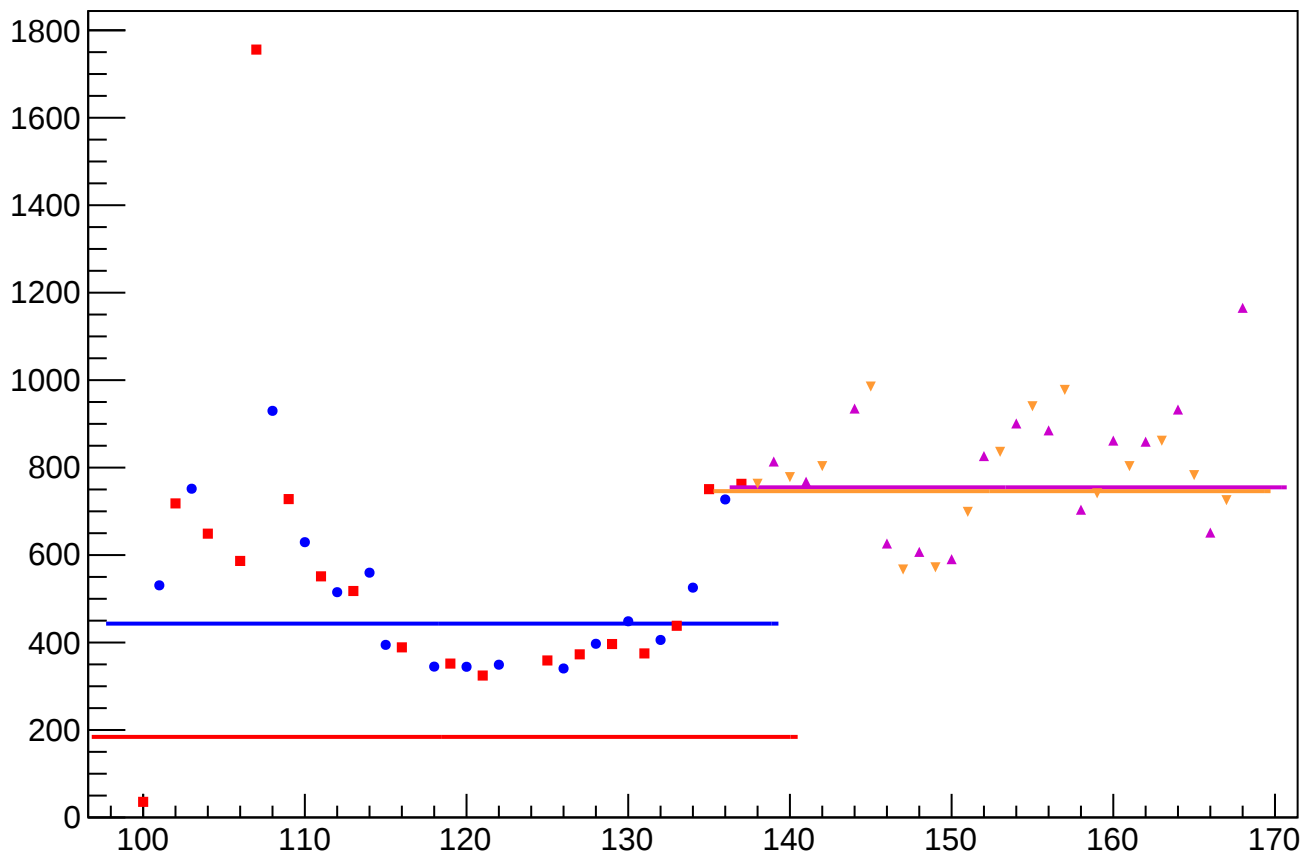
Right: -115.099+/-92.423 χ^2/NDF : 45.6/33

In: 2.234+/-140.520 χ^2/NDF : 31.5/30

Out: -206.285+/-97.269 χ^2/NDF : 53.8/32

All: -138.738+/-79.978 χ^2/NDF : 86.8/63

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 746.110+/-0.160 χ^2/NDF : 620774.1/14

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

Left In: 754.878+/-0.159 χ^2/NDF : 790161.1/14

Left: 750.525+/-0.113 χ^2/NDF : 1412444.7/29

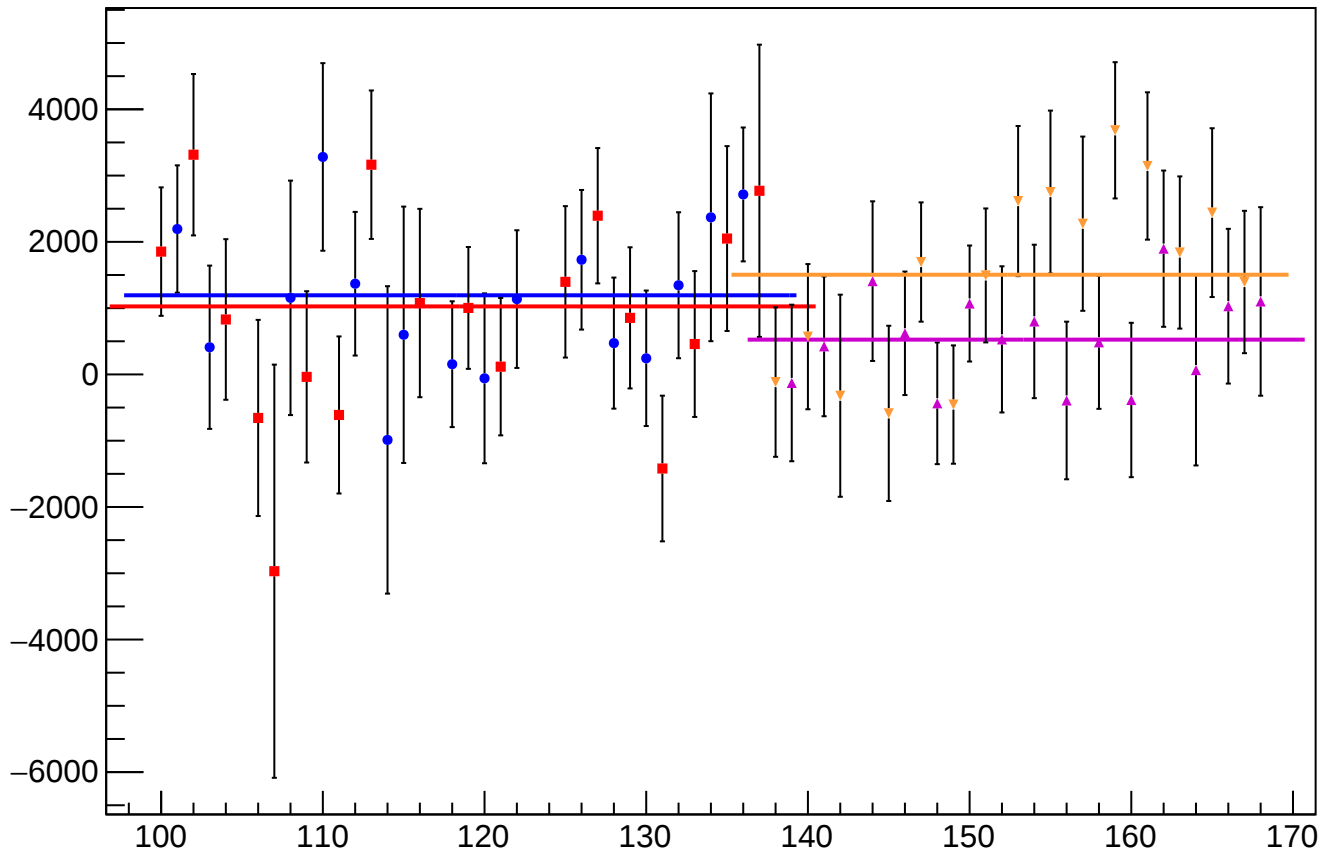
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

In: 564.933+/-0.099 χ^2/NDF : 4192178.8/30

Out: 287.846+/-0.069 χ^2/NDF : 18739455.4/32

All: 377.605+/-0.057 χ^2/NDF : 28189022.1/63

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 1503.938 $\pm$ 287.354 χ^2/NDF : 21.2/14

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

Left In: 524.793 $\pm$ 284.135 χ^2/NDF : 5.4/14

Left: 1008.849 $\pm$ 202.042 χ^2/NDF : 32.5/29

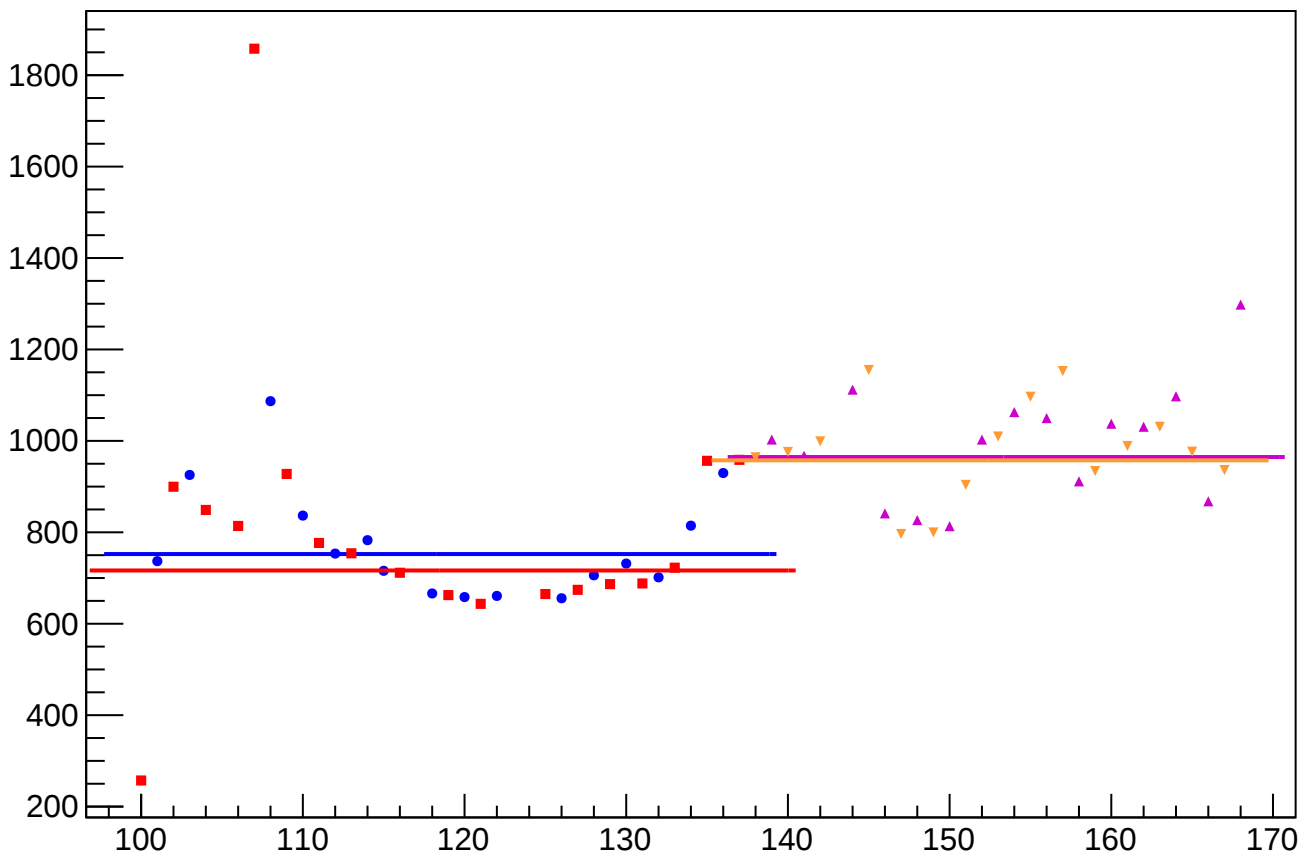
Right: 1105.849 $\pm$ 203.414 χ^2/NDF : 33.9/33

In: 846.721 $\pm$ 204.662 χ^2/NDF : 19.3/30

Out: 1259.541 $\pm$ 200.841 χ^2/NDF : 45.2/32

All: 1057.021 $\pm$ 143.348 χ^2/NDF : 66.5/63

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 957.457+/-0.203 χ^2/NDF : 265109.6/14

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

Left In: 964.700+/-0.201 χ^2/NDF : 359643.0/14

Left: 961.119+/-0.143 χ^2/NDF : 625395.0/29

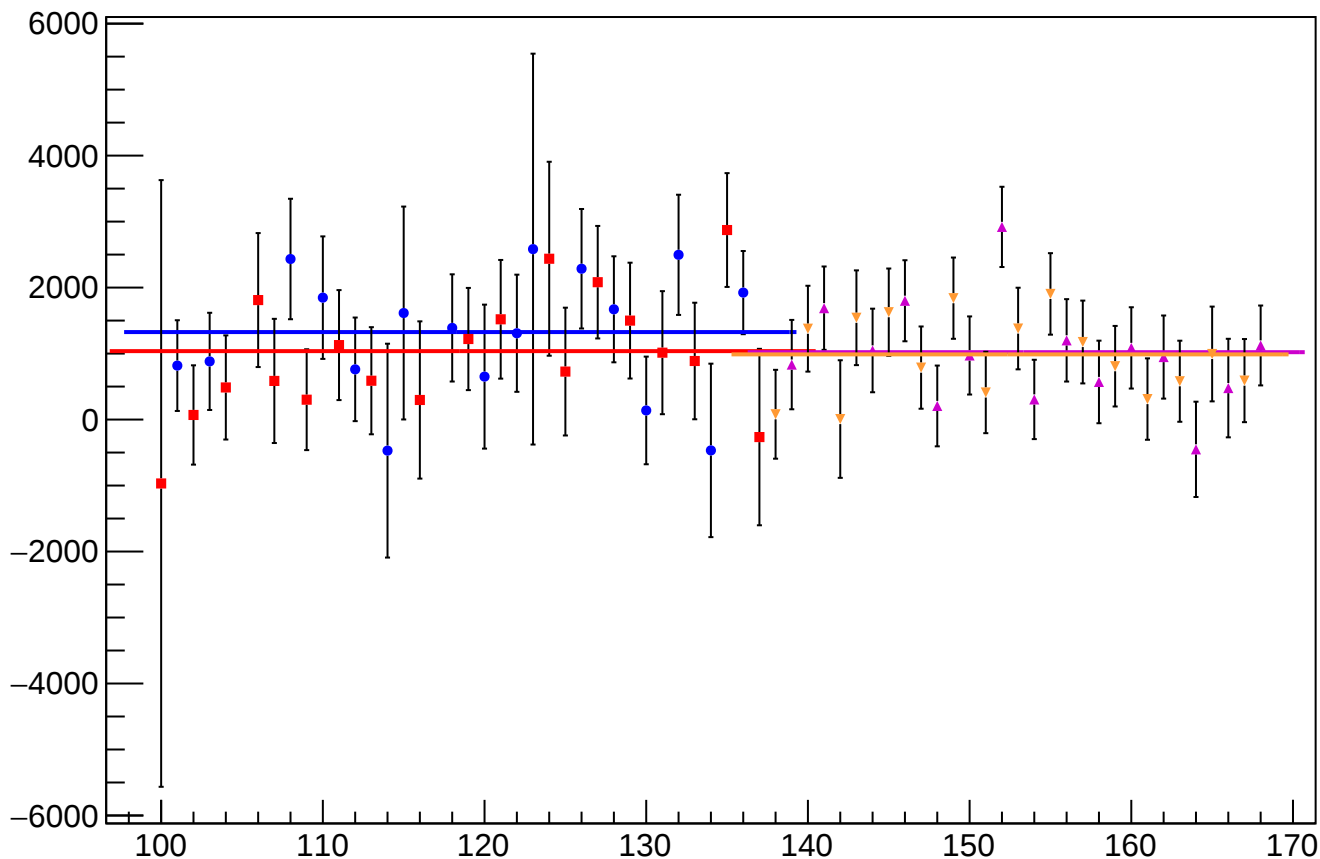
Right: 733.589+/-0.144 χ^2/NDF : 1235181.4/33

In: 862.562+/-0.145 χ^2/NDF : 1149455.2/30

Out: 834.220+/-0.142 χ^2/NDF : 1951222.1/32

All: 848.124+/-0.101 χ^2/NDF : 3120215.6/63

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 987.980 $\pm$ 162.030 χ^2 /NDF:12.6/15

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

Left In: 1021.018 $\pm$ 163.194 χ^2 /NDF:21.1/14

Left: 1004.381 $\pm$ 114.982 χ^2 /NDF: 33.7/30

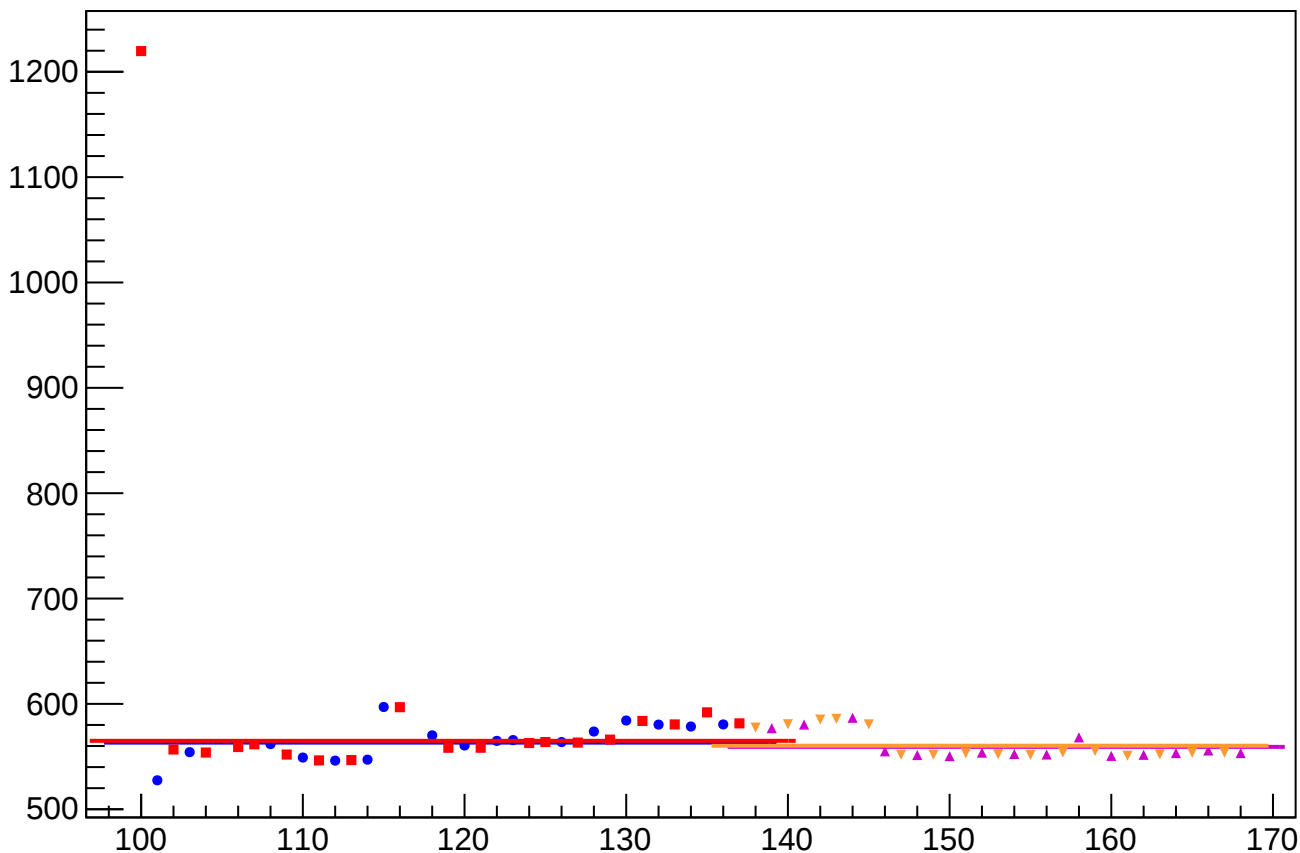
Right: 1177.020 $\pm$ 151.865 χ^2 /NDF: 27.2/35

In: 1130.400 $\pm$ 130.666 χ^2 /NDF:35.2/31

Out: 1006.111 $\pm$ 128.642 χ^2 /NDF:26.1/34

All: 1067.286 $\pm$ 91.671 χ^2 /NDF: 61.8/66

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 560.284+/-0.115 χ^2/NDF :12534.5/15

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

Left In: 559.197+/-0.115 χ^2/NDF :10425.7/14

Left: 559.744+/-0.081 χ^2/NDF : 23004.9/30

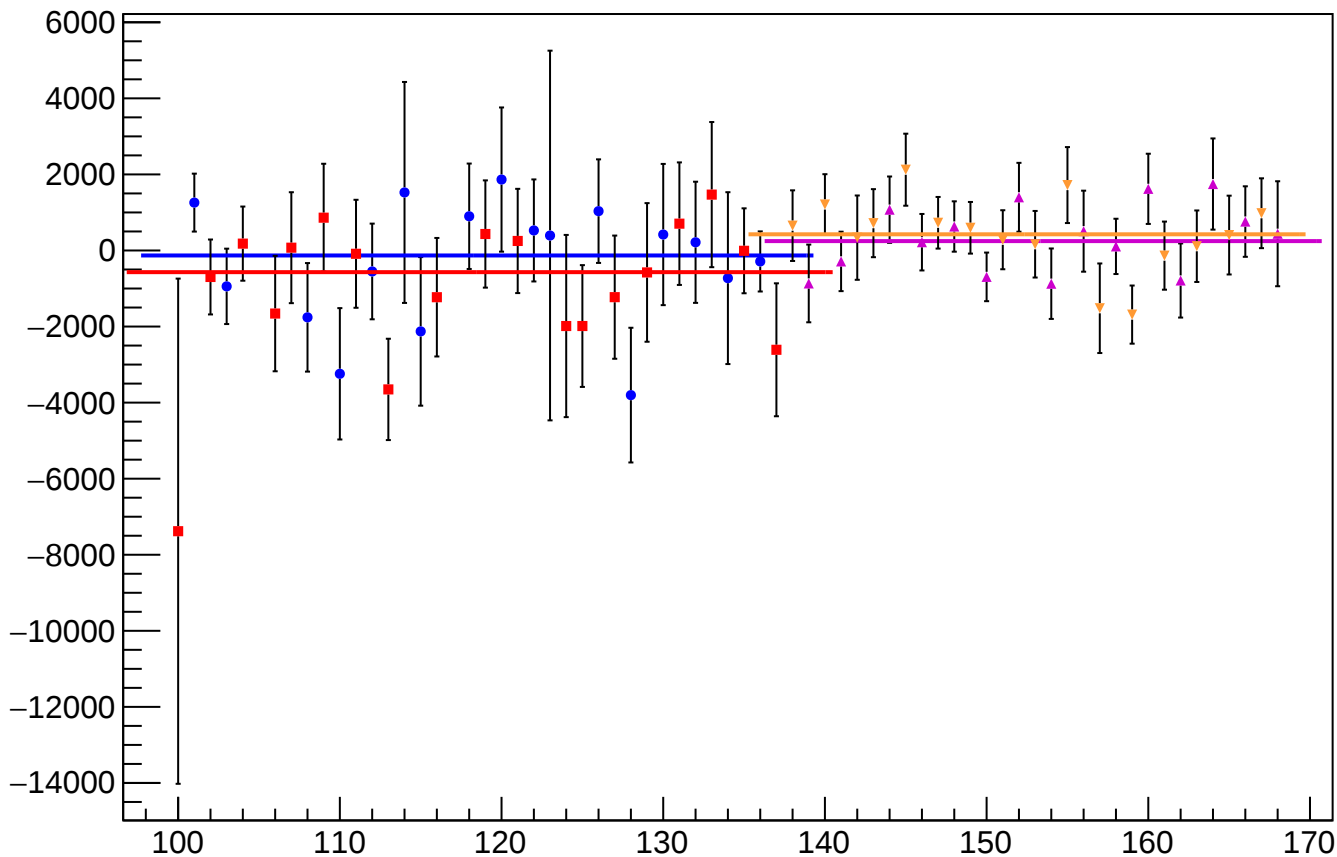
Right: 564.130+/-0.107 χ^2/NDF : 61877.2/35

In: 560.657+/-0.092 χ^2/NDF :23392.2/31

Out: 562.007+/-0.091 χ^2/NDF :62442.0/34

All: 561.342+/-0.065 χ^2/NDF : 85942.5/66

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 425.582 ± 217.429 χ^2/NDF : 17.6/15

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

Left In: 246.645 ± 222.356 χ^2/NDF : 13.5/14

Left: 338.118 ± 155.458 χ^2/NDF : 31.5/30

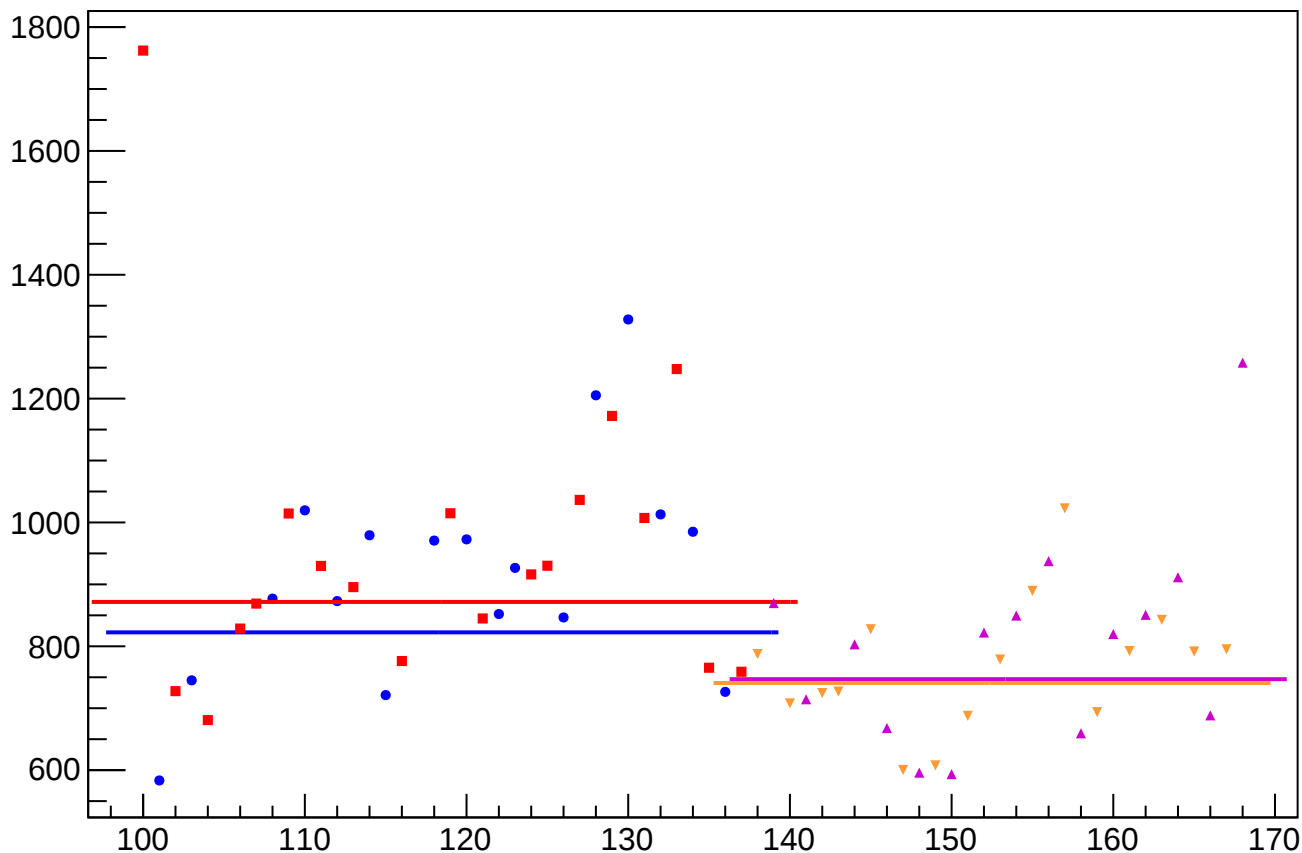
Right: -347.269 ± 233.324 χ^2/NDF : 32.7/35

In: 127.502 ± 183.977 χ^2/NDF : 31.6/31

Out: 127.301 ± 181.959 χ^2/NDF : 38.5/34

All: 127.401 ± 129.372 χ^2/NDF : 70.1/66

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 740.768+/-0.154 χ^2/NDF : 410541.2/15

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

Left In: 746.925+/-0.157 χ^2/NDF : 768981.7/14

Left: 743.778+/-0.110 χ^2/NDF : 1180306.6/30

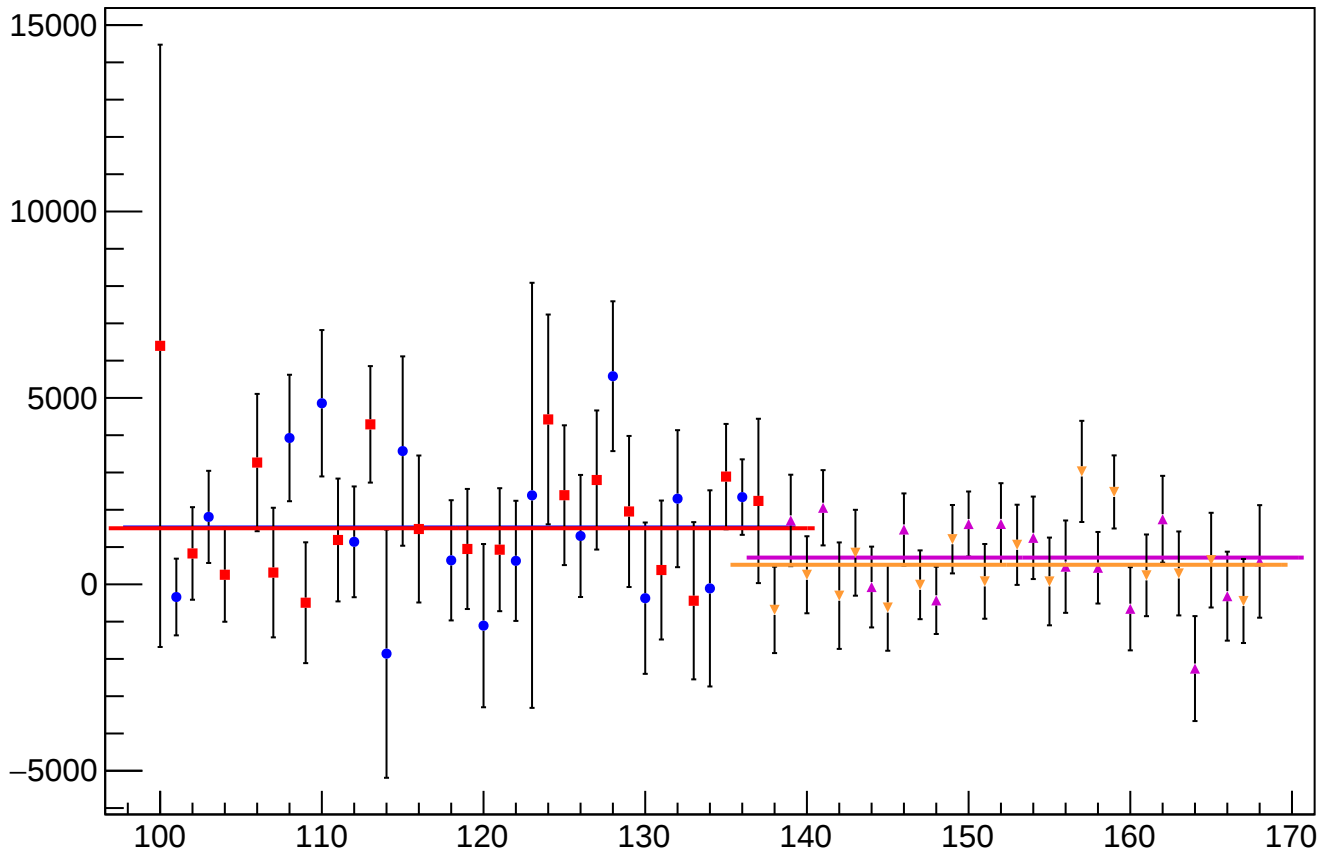
Right: 846.744+/-0.165 χ^2/NDF : 1029998.2/35

In: 770.770+/-0.130 χ^2/NDF : 1442862.5/31

Out: 779.996+/-0.129 χ^2/NDF : 1034649.6/34

All: 775.434+/-0.091 χ^2/NDF : 2480054.4/66

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 524.892 $\pm$ 274.944 χ^2/NDF : 12.3/15

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

Left In: 717.665 $\pm$ 280.749 χ^2/NDF : 14.8/14

Left: 619.265 $\pm$ 196.435 χ^2/NDF : 27.3/30

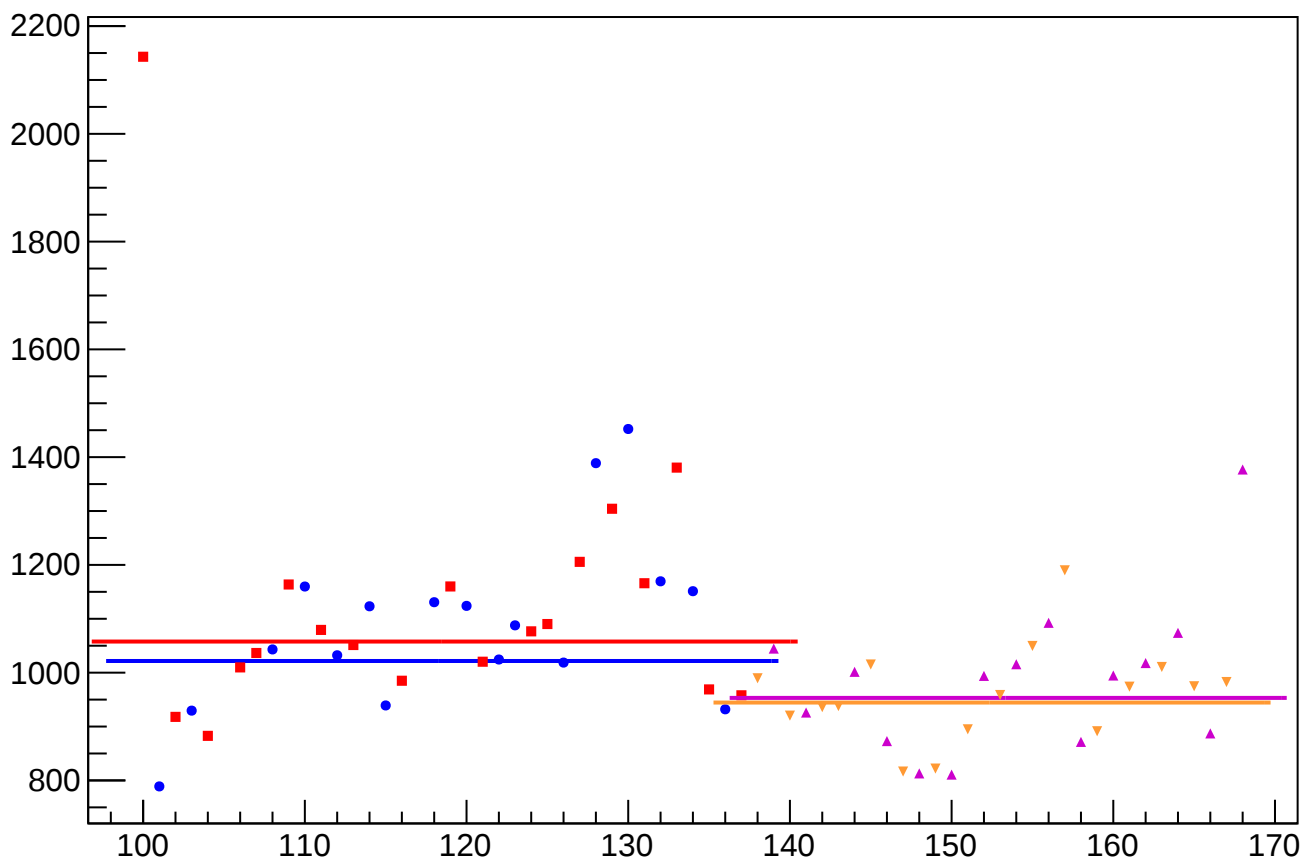
Right: 1514.890 $\pm$ 283.454 χ^2/NDF : 30.4/35

In: 982.686 $\pm$ 230.133 χ^2/NDF : 35.7/31

Out: 839.235 $\pm$ 226.572 χ^2/NDF : 28.5/34

All: 909.842 $\pm$ 161.455 χ^2/NDF : 64.4/66

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 944.540 $\pm$ 0.194 χ^2/NDF : 190187.5/15

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

Left In: 953.163 $\pm$ 0.199 χ^2/NDF : 368235.4/14

Left: 948.761 $\pm$ 0.139 χ^2/NDF : 559386.0/30

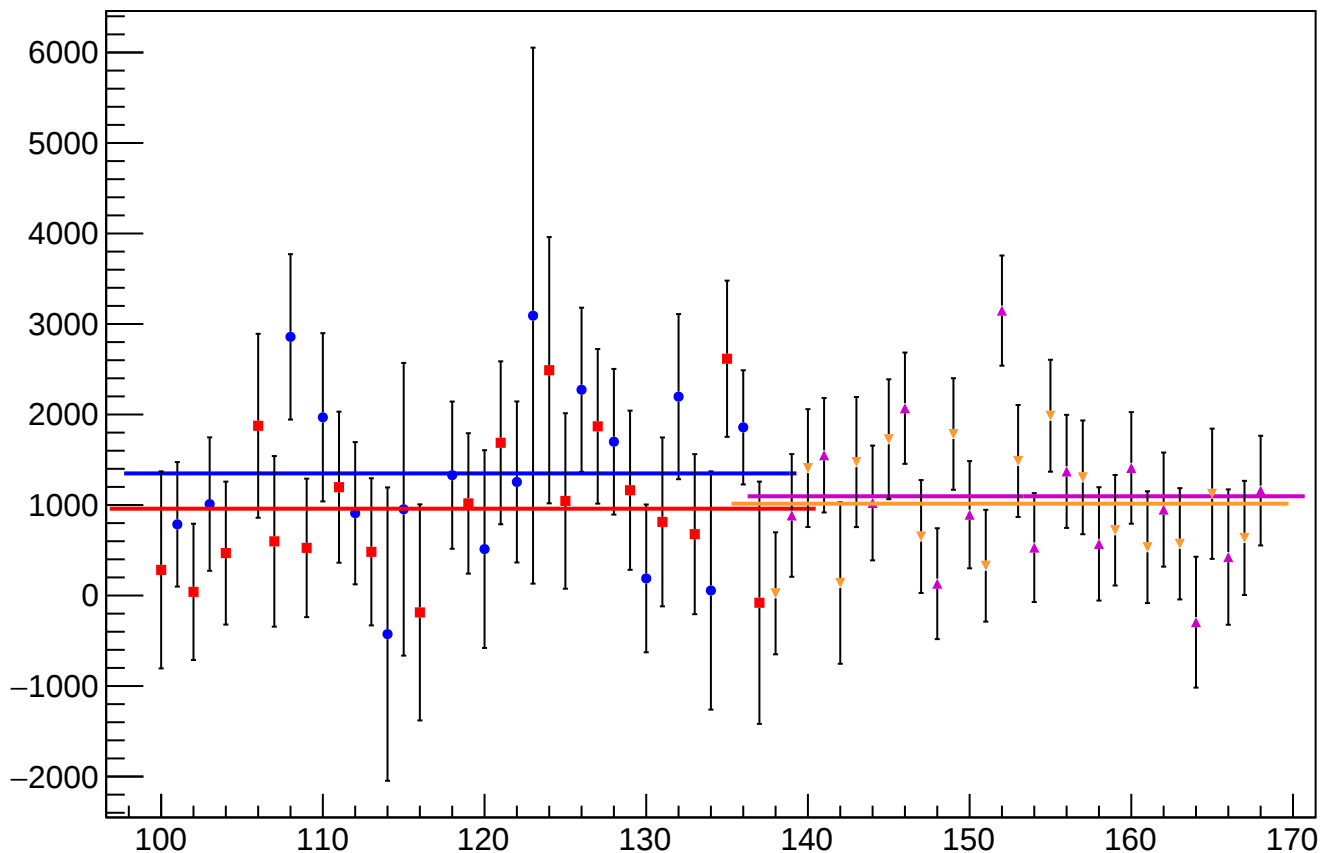
Right: 1039.788 $\pm$ 0.200 χ^2/NDF : 570995.5/35

In: 975.637 $\pm$ 0.163 χ^2/NDF : 739247.9/31

Out: 980.870 $\pm$ 0.160 χ^2/NDF : 529945.9/34

All: 978.294 $\pm$ 0.114 χ^2/NDF : 1269719.1/66

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1015.035 $\pm$ 162.198 χ^2 /NDF:13.2/15

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

Left In: 1096.706 $\pm$ 163.369 χ^2 /NDF:23.7/14

Left: 1055.577 $\pm$ 115.103 χ^2 /NDF: 37.0/30

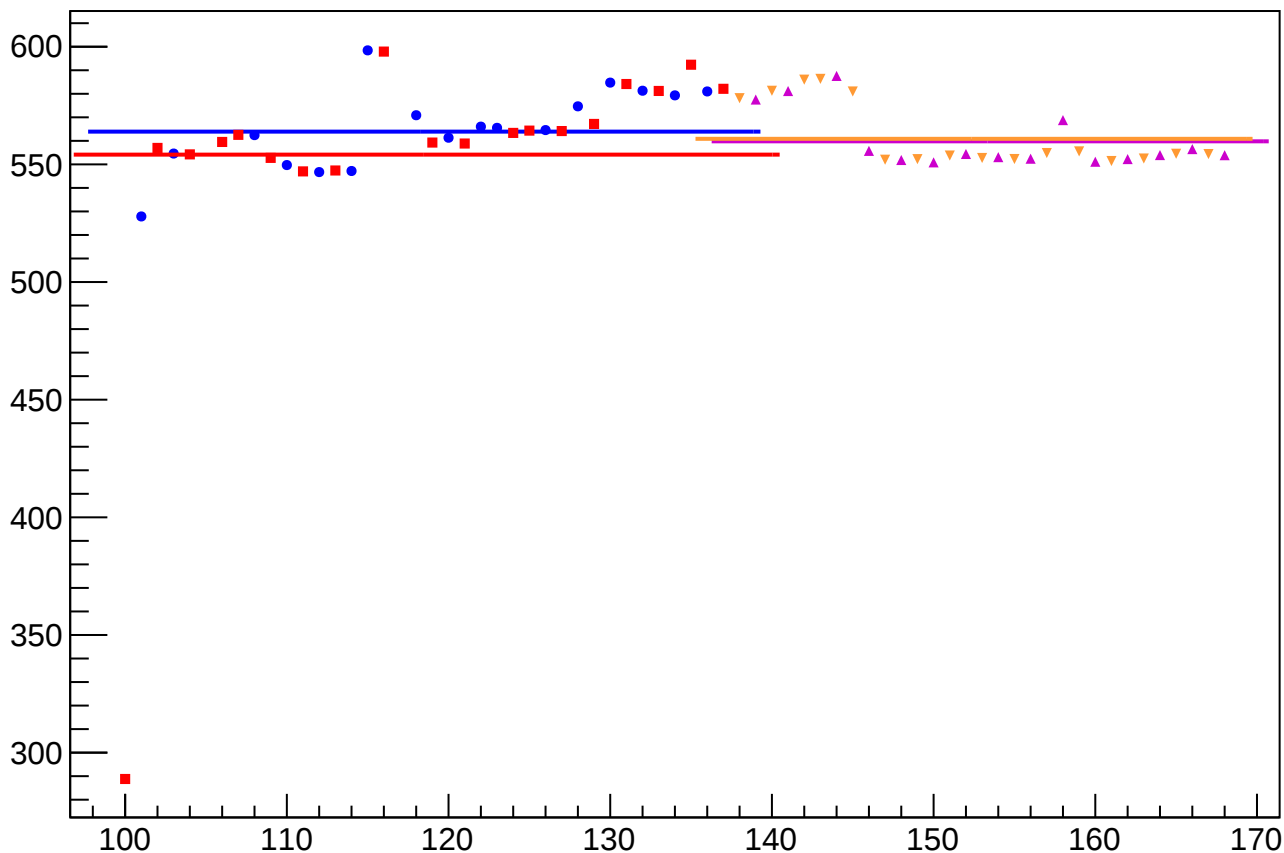
Right: 1144.995 $\pm$ 150.662 χ^2 /NDF: 26.2/35

In: 1187.303 $\pm$ 130.811 χ^2 /NDF:36.9/31

Out: 994.051 $\pm$ 127.939 χ^2 /NDF:25.5/34

All: 1088.532 $\pm$ 91.465 χ^2 /NDF: 63.5/66

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 560.864 $\pm$ 0.115 χ^2 /NDF:12560.8/15

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

Left In: 559.798 $\pm$ 0.116 χ^2 /NDF:10517.3/14

Left: 560.335 $\pm$ 0.081 χ^2 /NDF: 23121.0/30

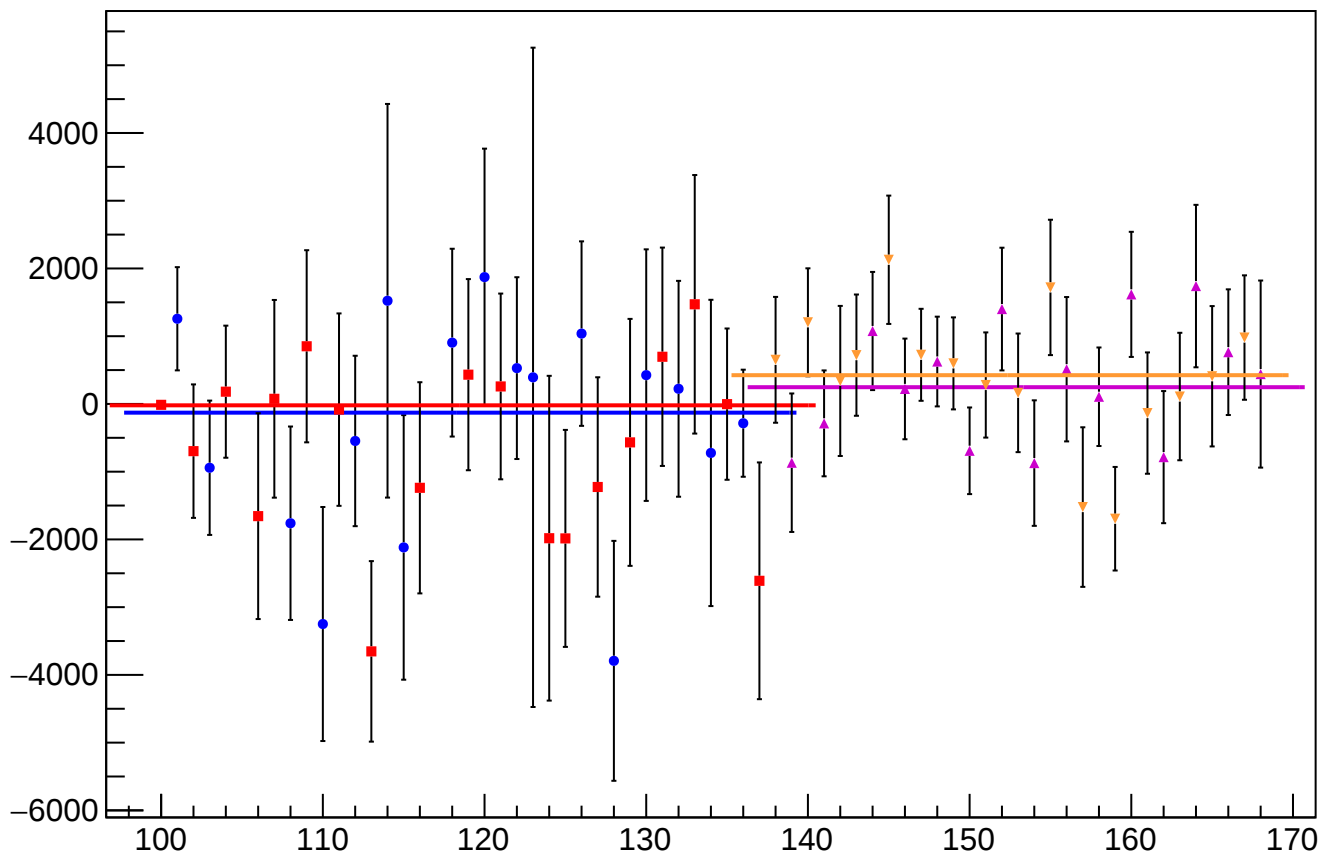
Right: 558.799 $\pm$ 0.107 χ^2 /NDF: 146729.2/35

In: 561.278 $\pm$ 0.092 χ^2 /NDF:23637.8/31

Out: 558.325 $\pm$ 0.090 χ^2 /NDF:145822.6/34

All: 559.769 $\pm$ 0.065 χ^2 /NDF: 169981.4/66

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 424.513+/-217.506 χ^2/NDF : 17.7/15

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

Left In: 247.227+/-222.464 χ^2/NDF : 13.4/14

Left: 337.868+/-155.523 χ^2/NDF : 31.5/30

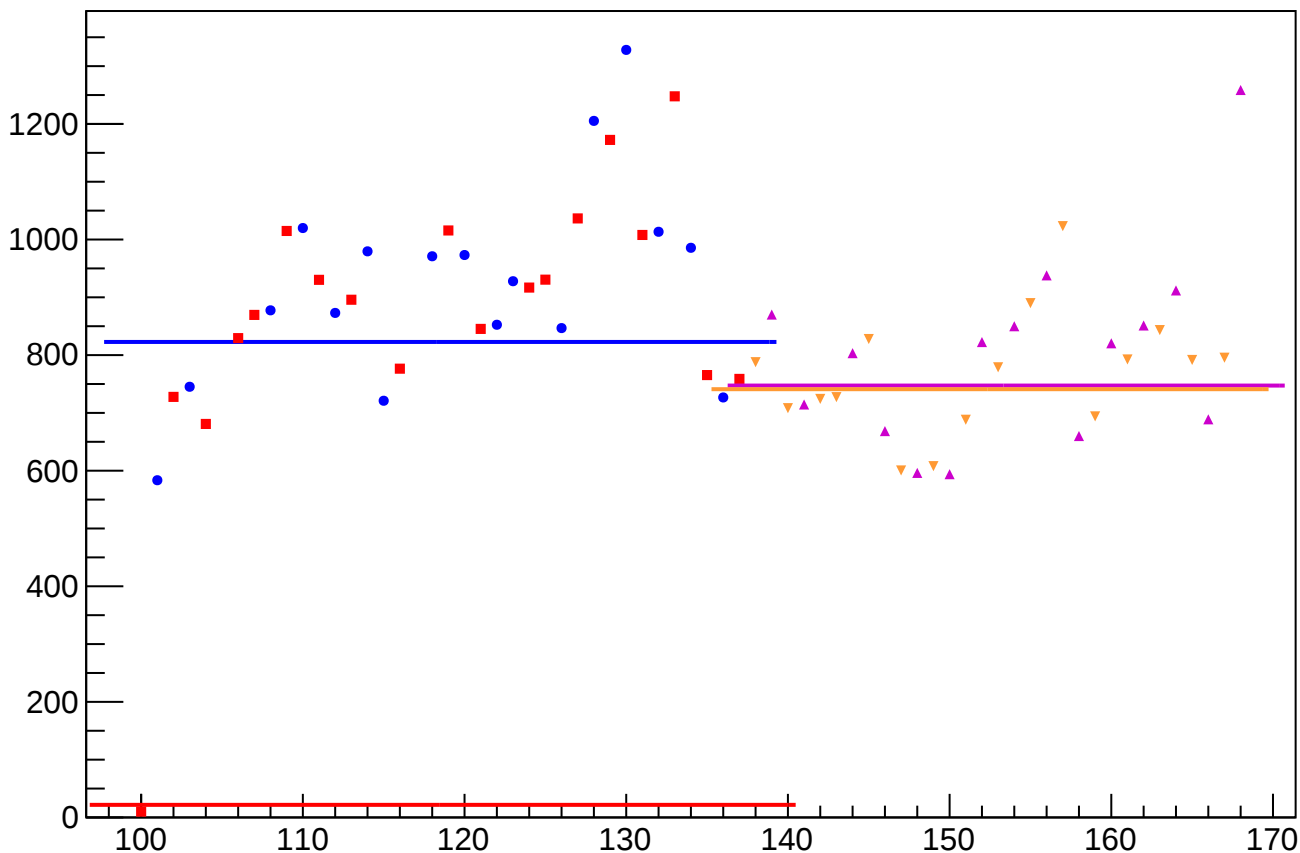
Right: -21.894+/-38.682 χ^2/NDF : 33.4/35

In: 128.619+/-184.056 χ^2/NDF : 31.5/31

Out: -6.557+/-38.344 χ^2/NDF : 37.9/34

All: -0.935+/-37.538 χ^2/NDF : 69.9/66

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 741.021 $\pm$ 0.154 χ^2 /NDF: 410643.1/15

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

Left In: 747.296 $\pm$ 0.157 χ^2 /NDF: 768648.1/14

Left: 744.088 $\pm$ 0.110 χ^2 /NDF: 1180104.7/30

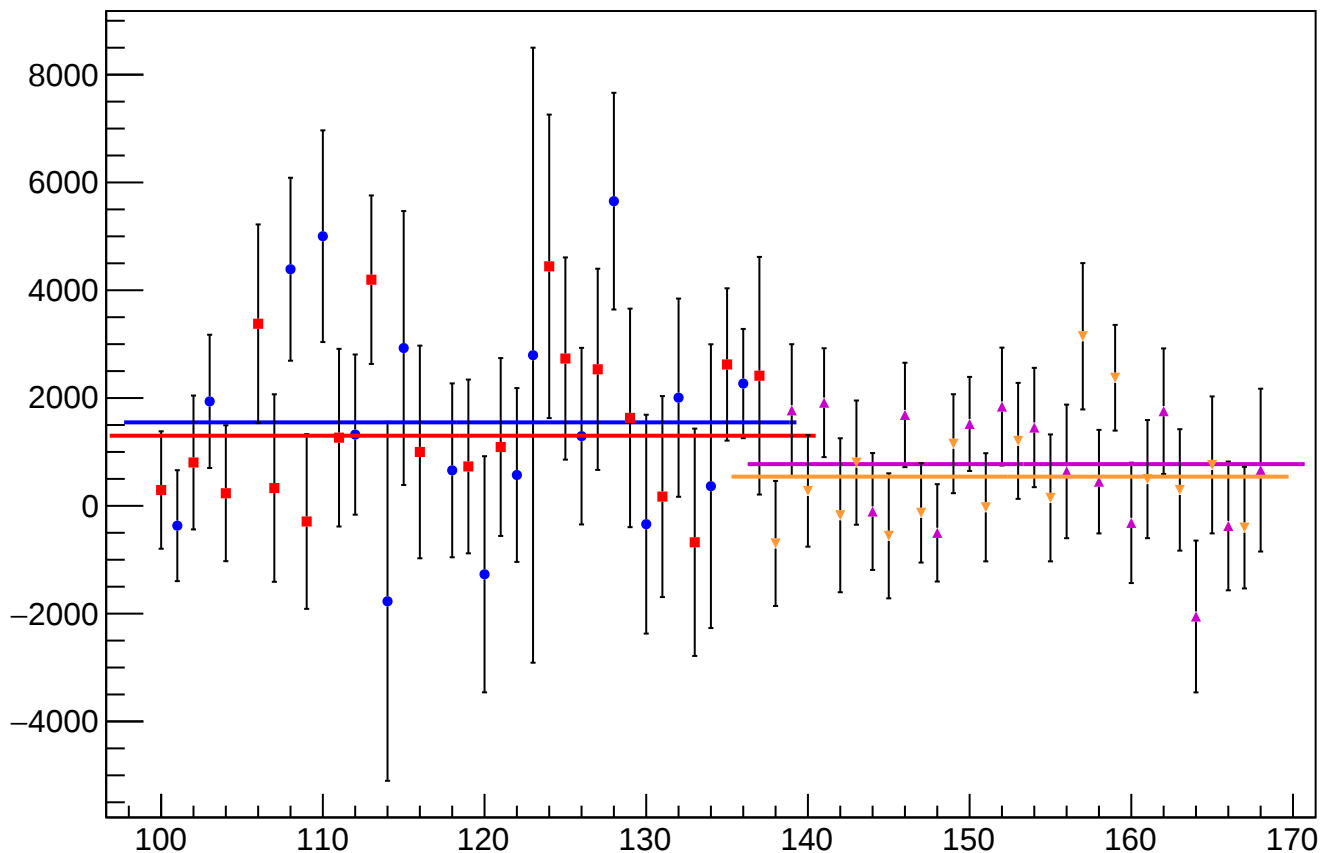
Right: 32.973 $\pm$ 0.027 χ^2 /NDF: 25907183.1/35

In: 771.110 $\pm$ 0.130 χ^2 /NDF: 1442165.1/31

Out: 44.164 $\pm$ 0.027 χ^2 /NDF: 35122051.9/34

All: 74.401 $\pm$ 0.027 χ^2 /NDF: 66464963.4/66

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 541.637 $\pm$ 275.104 χ^2/NDF : 12.2/15

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

Left In: 773.963 $\pm$ 280.943 χ^2/NDF : 14.3/14

Left: 655.361 $\pm$ 196.560 χ^2/NDF : 26.8/30

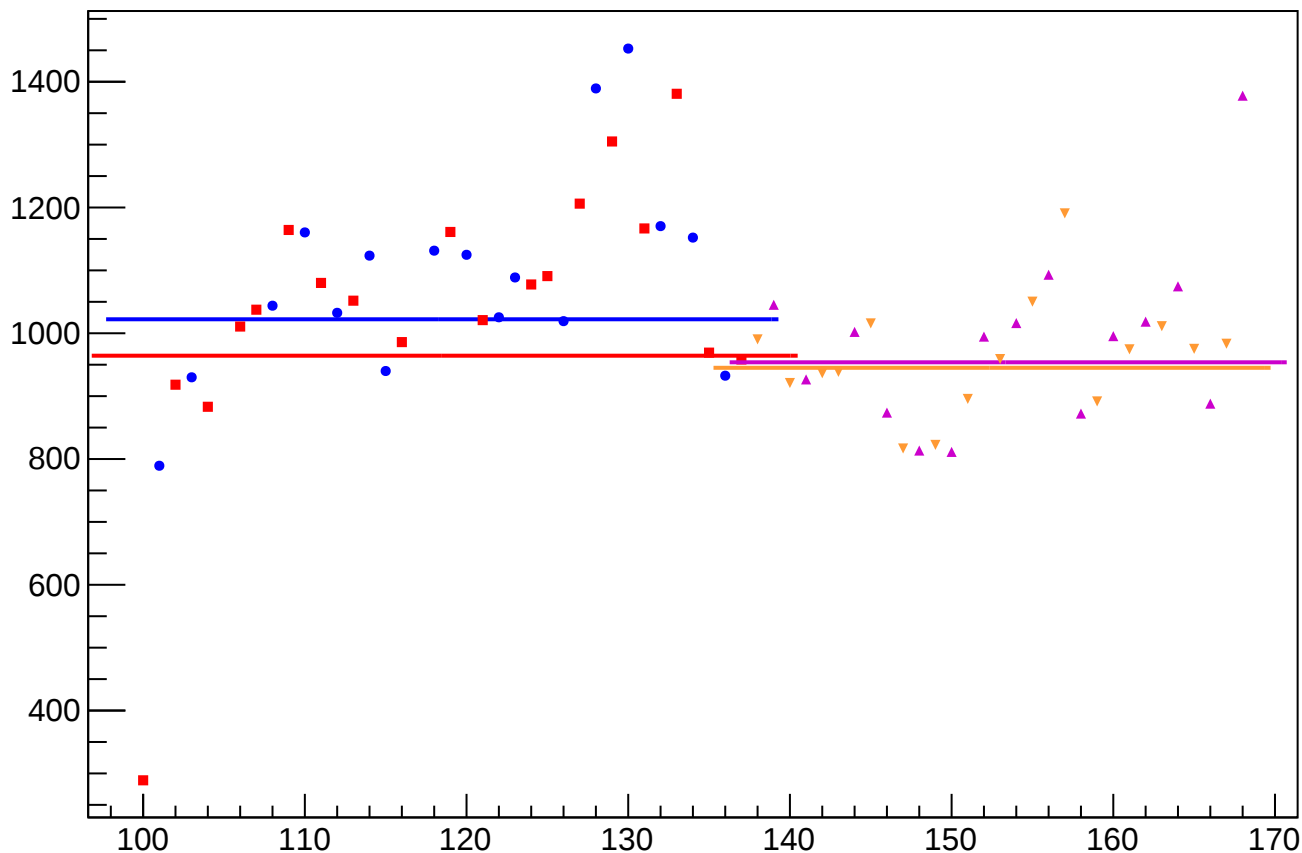
Right: 1416.645 $\pm$ 274.624 χ^2/NDF : 31.7/35

In: 1028.236 $\pm$ 230.282 χ^2/NDF : 35.8/31

Out: 806.347 $\pm$ 222.031 χ^2/NDF : 27.4/34

All: 913.246 $\pm$ 159.837 χ^2/NDF : 63.6/66

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 945.082 $\pm$ 0.195 χ^2 /NDF:190346.7/15

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

Left In: 953.826 $\pm$ 0.199 χ^2 /NDF:367973.2/14

Left: 949.362 $\pm$ 0.139 χ^2 /NDF: 559309.1/30

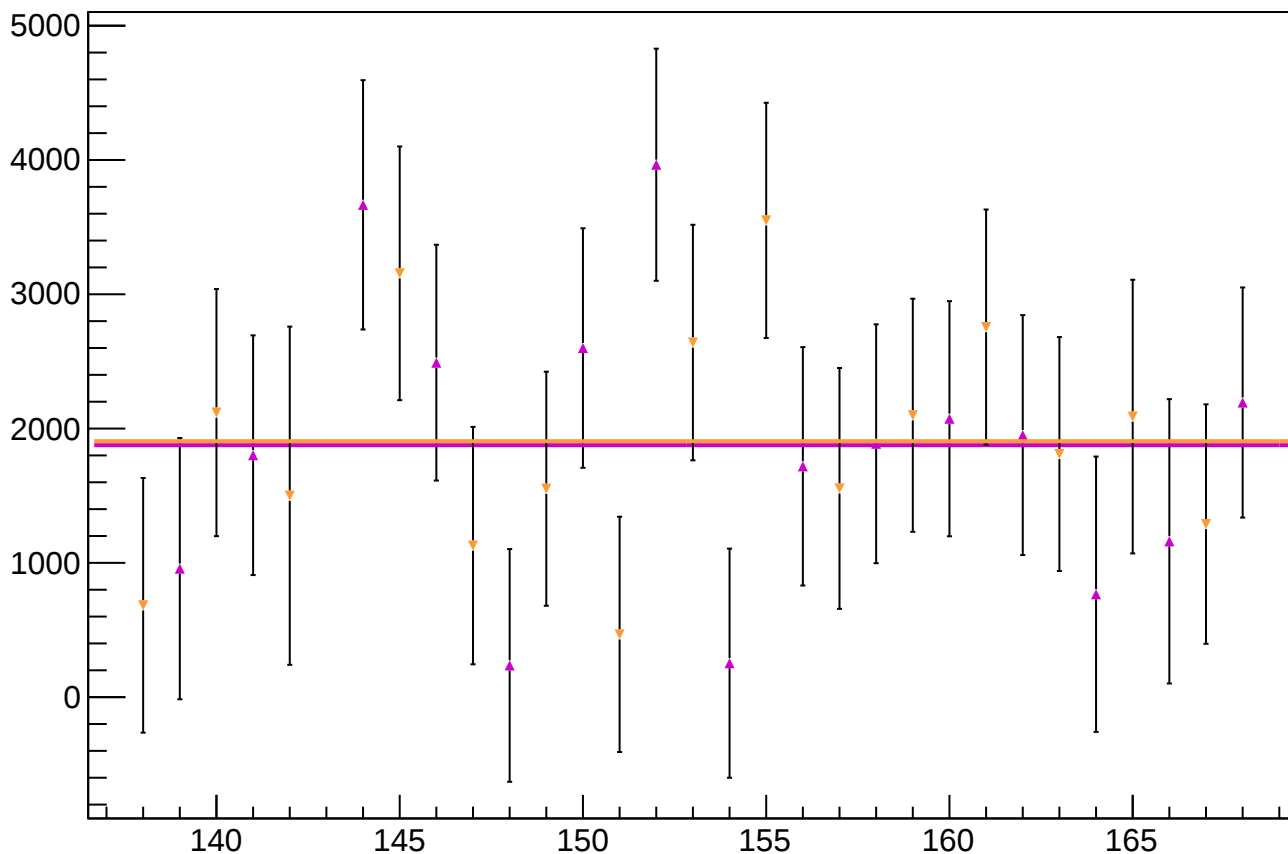
Right: 991.355 $\pm$ 0.194 χ^2 /NDF: 1421282.7/35

In: 976.275 $\pm$ 0.163 χ^2 /NDF:738757.1/31

Out: 951.792 $\pm$ 0.157 χ^2 /NDF:1261041.0/34

All: 963.587 $\pm$ 0.113 χ^2 /NDF: 2011514.1/66

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1906.020+/-235.961 χ^2/NDF :13.1/14

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

Left In: 1876.506+/-233.334 χ^2/NDF :20.7/14

Left: 1891.098+/-165.913 χ^2/NDF : 33.8/29

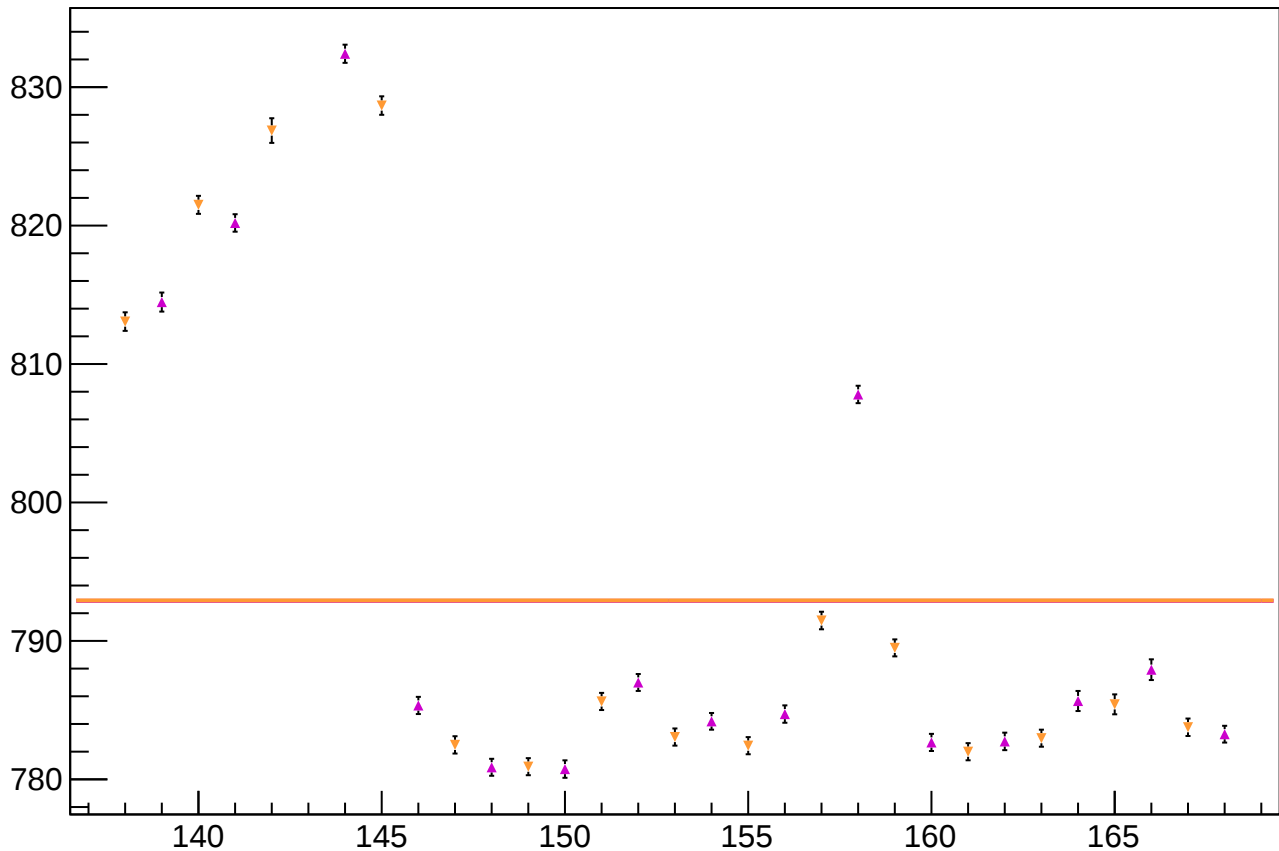
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1876.506+/-233.334 χ^2/NDF :20.7/14

Out: 1906.020+/-235.961 χ^2/NDF :13.1/14

All: 1891.098+/-165.913 χ^2/NDF : 33.8/29

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 792.921+/-0.167 χ^2/NDF :9413.3/14

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

Left In: 792.892+/-0.165 χ^2/NDF :9345.1/14

Left: 792.907+/-0.117 χ^2/NDF : 18758.4/29

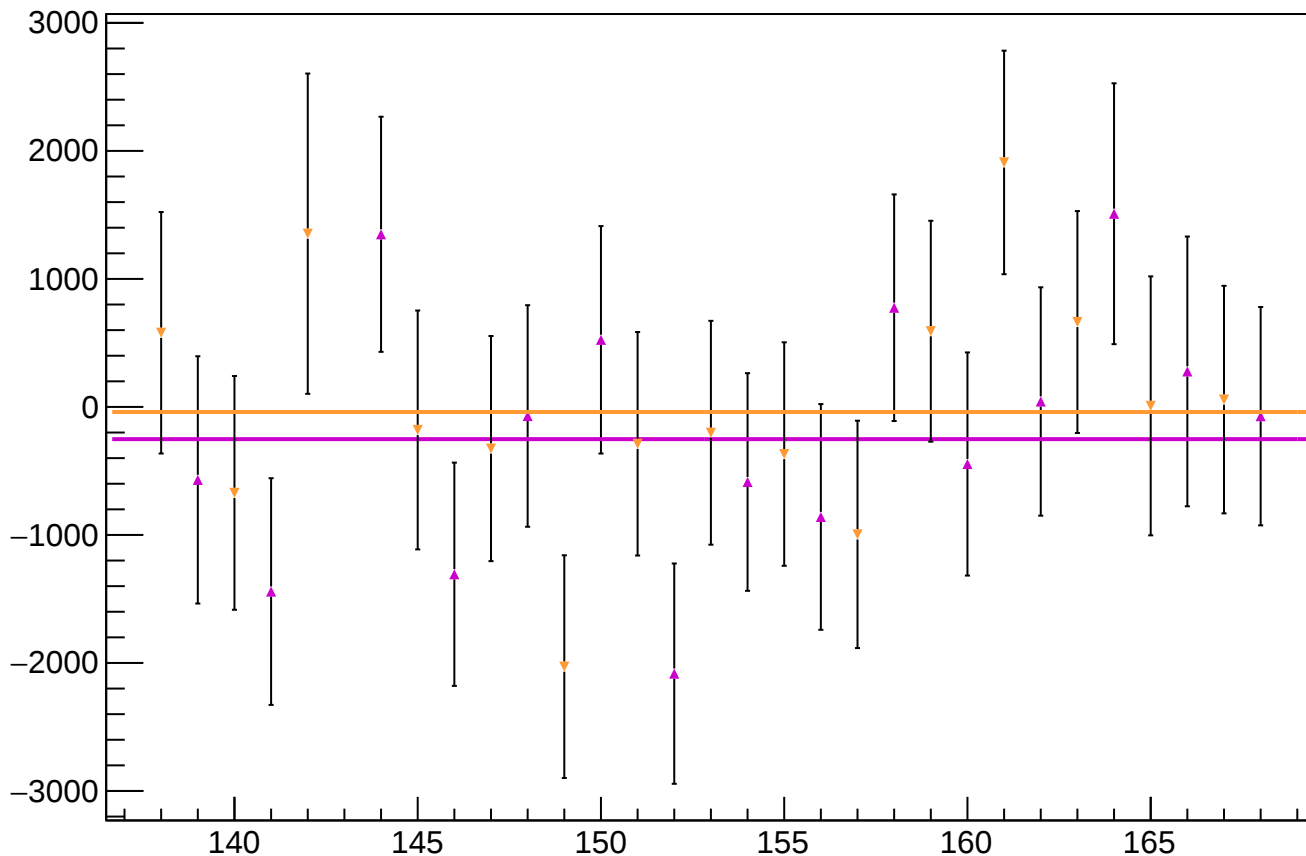
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 792.892+/-0.165 χ^2/NDF :9345.1/14

Out: 792.921+/-0.167 χ^2/NDF :9413.3/14

All: 792.907+/-0.117 χ^2/NDF : 18758.4/29

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -39.706+/-234.683 χ^2/NDF :15.1/14

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

Left In: -251.639+/-232.120 χ^2/NDF :17.2/14

Left: -146.837+/-165.032 χ^2/NDF : 32.7/29

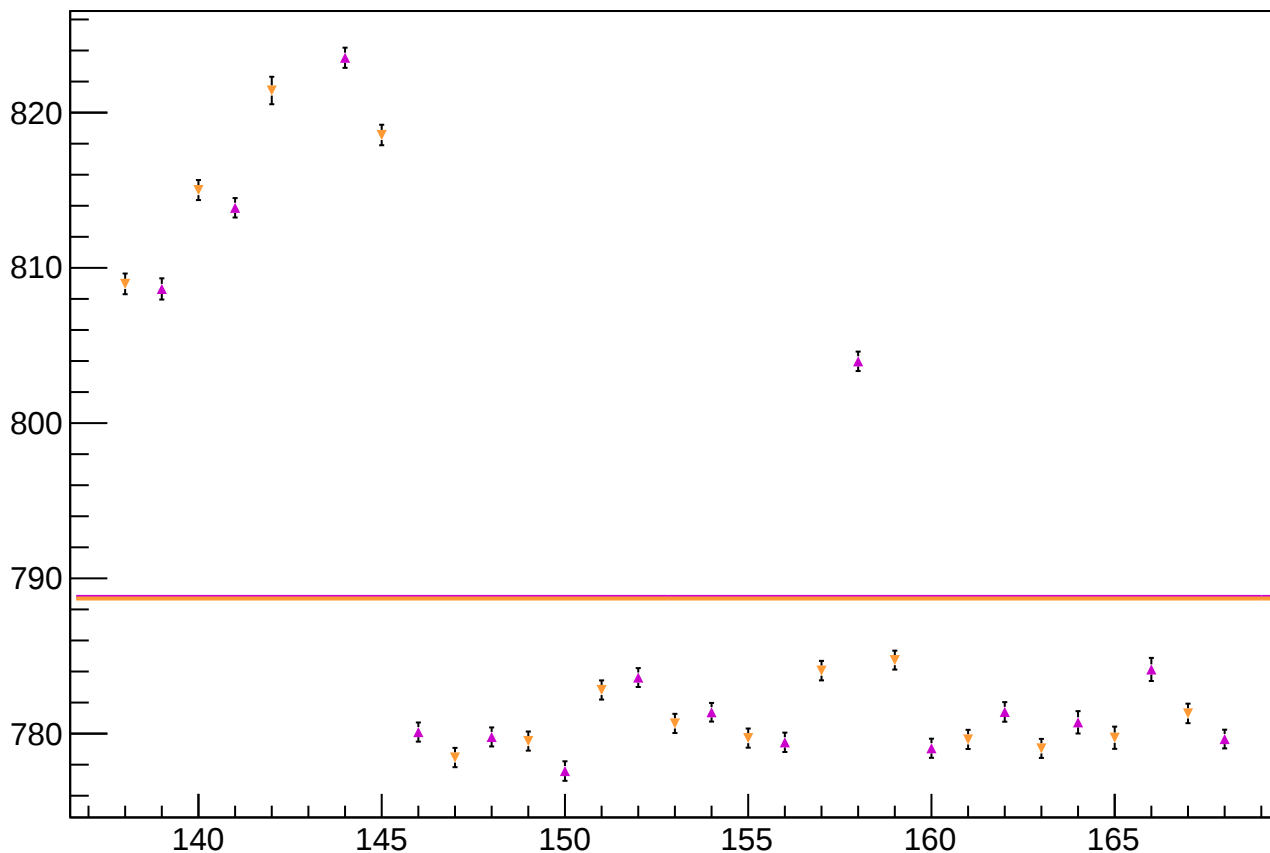
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -251.639+/-232.120 χ^2/NDF :17.2/14

Out: -39.706+/-234.683 χ^2/NDF :15.1/14

All: -146.837+/-165.032 χ^2/NDF : 32.7/29

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 788.702+/-0.166 χ^2/NDF :7824.2/14

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

Left In: 788.806+/-0.164 χ^2/NDF :7864.6/14

Left: 788.755+/-0.117 χ^2/NDF : 15689.0/29

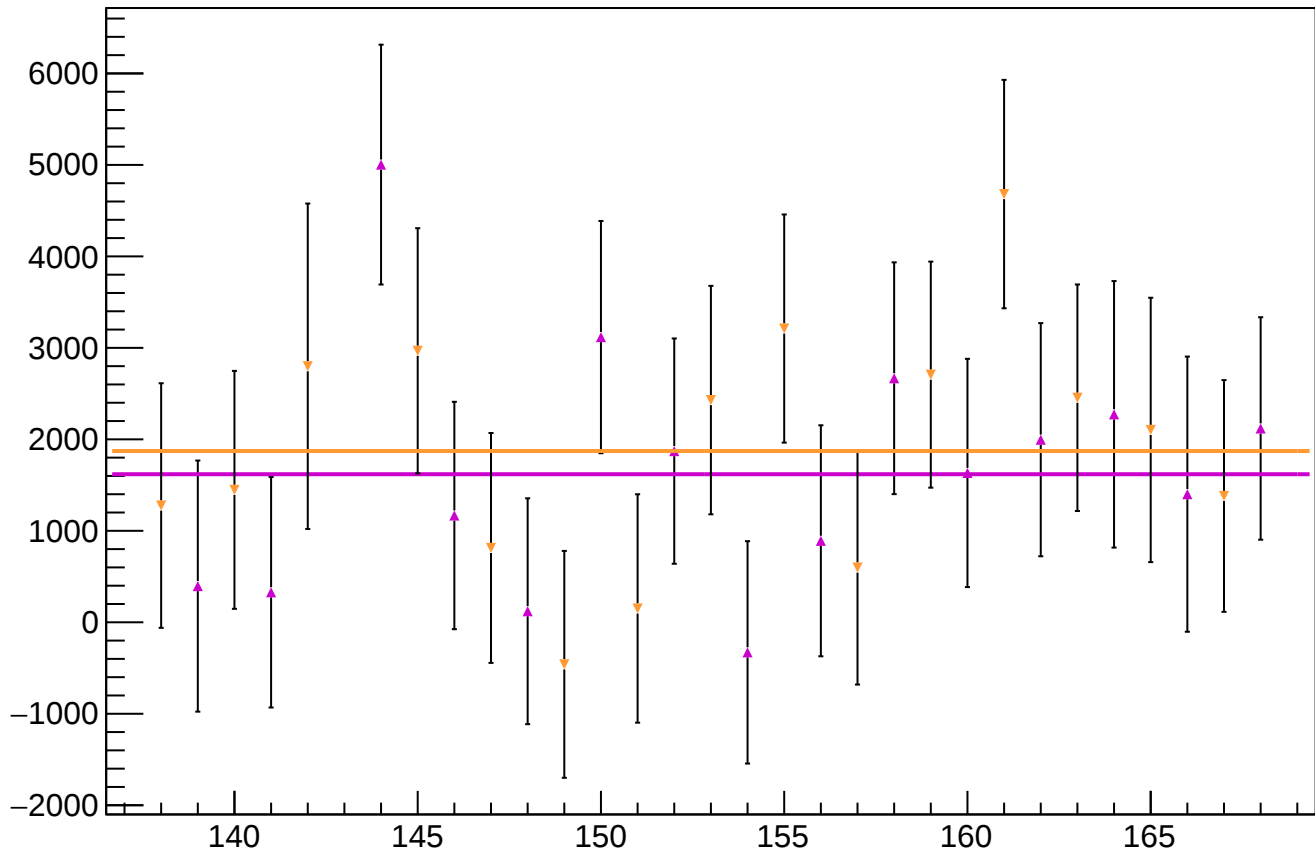
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 788.806+/-0.164 χ^2/NDF :7864.6/14

Out: 788.702+/-0.166 χ^2/NDF :7824.2/14

All: 788.755+/-0.117 χ^2/NDF : 15689.0/29

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1872.256+/-335.304 χ^2/NDF :15.7/14

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

Left In: 1618.594+/-331.485 χ^2/NDF :15.6/14

Left: 1743.972+/-235.734 χ^2/NDF : 31.6/29

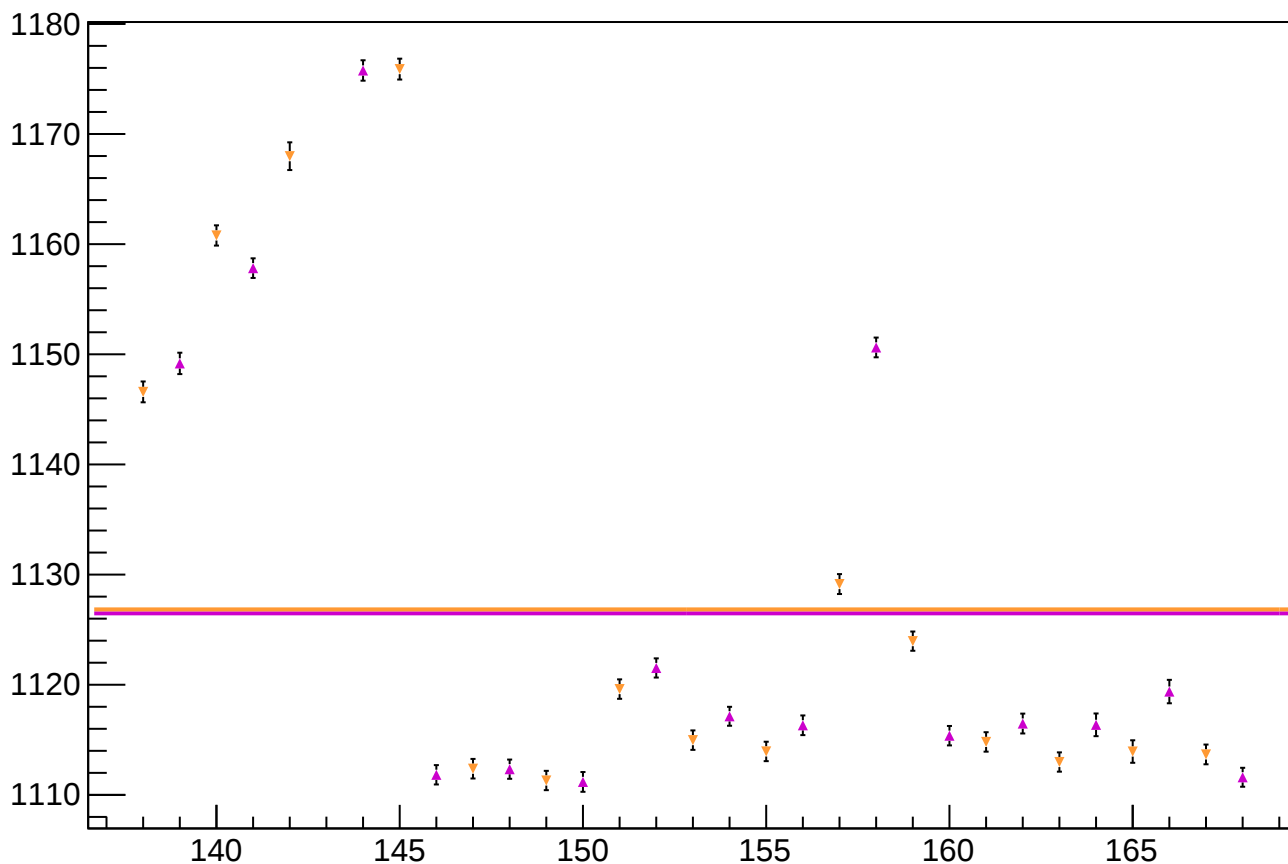
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1618.594+/-331.485 χ^2/NDF :15.6/14

Out: 1872.256+/-335.304 χ^2/NDF :15.7/14

All: 1743.972+/-235.734 χ^2/NDF : 31.6/29

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1126.841+/-0.237 χ^2/NDF : 7417.3/14

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

Left In: 1126.482+/-0.234 χ^2/NDF : 7170.7/14

Left: 1126.660+/-0.167 χ^2/NDF : 14589.1/29

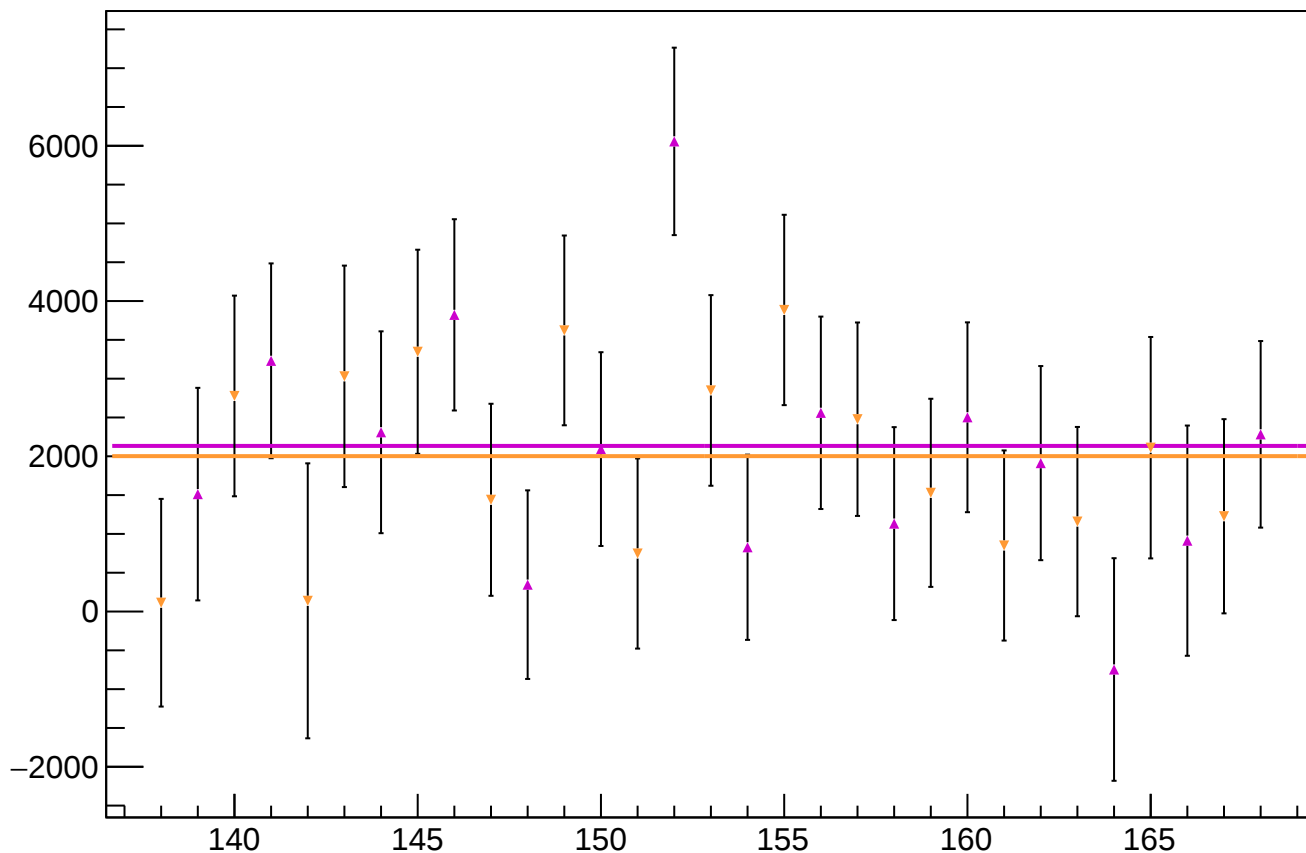
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1126.482+/-0.234 χ^2/NDF : 7170.7/14

Out: 1126.841+/-0.237 χ^2/NDF : 7417.3/14

All: 1126.660+/-0.167 χ^2/NDF : 14589.1/29

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2001.973+/-321.770 χ^2/NDF :12.9/15

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

Left In: 2133.663+/-326.747 χ^2/NDF :22.4/14

Left: 2066.807+/-229.265 χ^2/NDF : 35.4/30

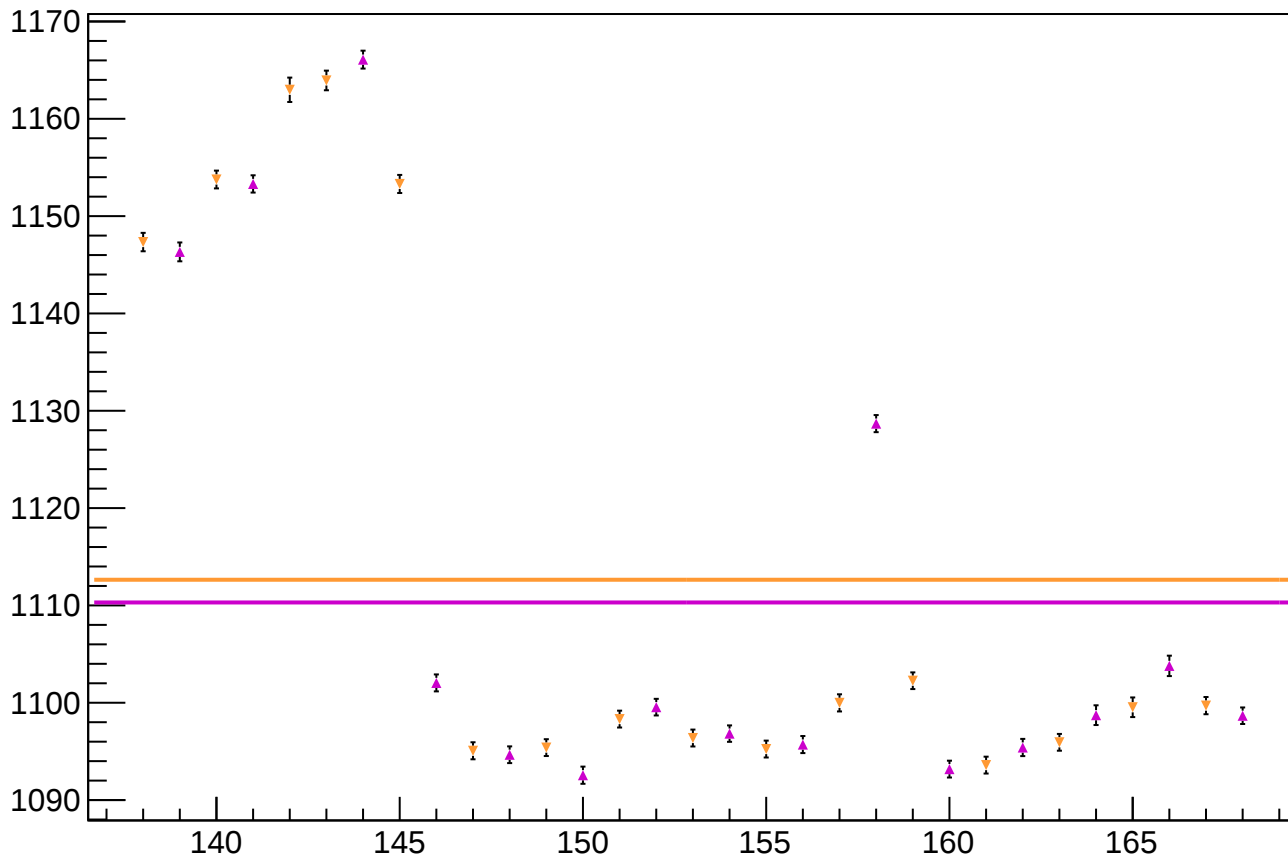
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2133.663+/-326.747 χ^2/NDF :22.4/14

Out: 2001.973+/-321.770 χ^2/NDF :12.9/15

All: 2066.807+/-229.265 χ^2/NDF : 35.4/30

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1112.638+/-0.228 χ^2/NDF :12908.1/15

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

Left In: 1110.304+/-0.231 χ^2/NDF :10401.0/14

Left: 1111.489+/-0.162 χ^2/NDF : 23360.9/30

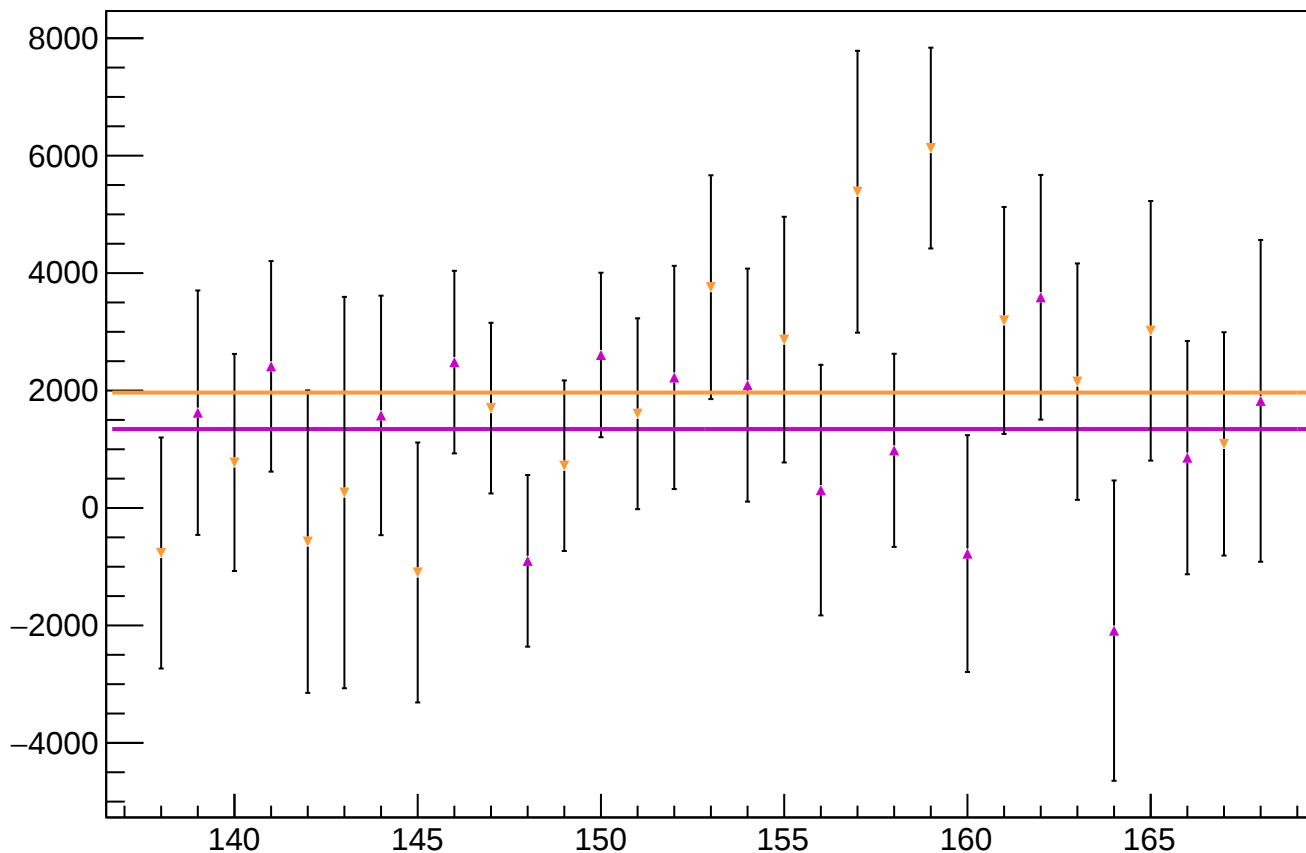
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1110.304+/-0.231 χ^2/NDF :10401.0/14

Out: 1112.638+/-0.228 χ^2/NDF :12908.1/15

All: 1111.489+/-0.162 χ^2/NDF : 23360.9/30

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1965.281+/-480.118 χ^2/NDF : 16.2/15

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

Left In: 1344.242+/-481.642 χ^2/NDF : 8.9/14

Left: 1655.745+/-340.032 χ^2/NDF : 25.9/30

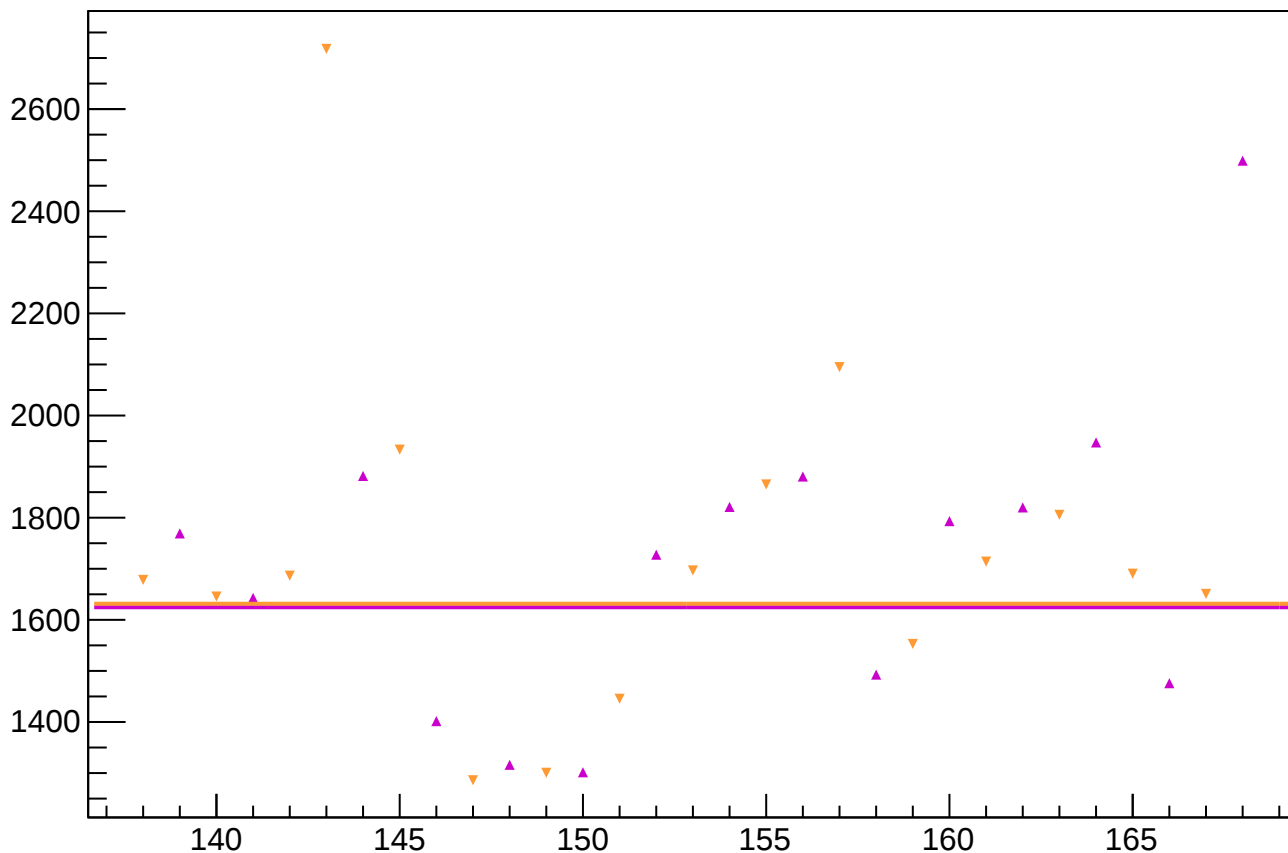
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1344.242+/-481.642 χ^2/NDF : 8.9/14

Out: 1965.281+/-480.118 χ^2/NDF : 16.2/15

All: 1655.745+/-340.032 χ^2/NDF : 25.9/30

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1631.541+/-0.339 χ^2/NDF : 621440.7/15

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

Left In: 1624.649+/-0.341 χ^2/NDF : 623769.2/14

Left: 1628.106+/-0.240 χ^2/NDF : 1245415.3/30

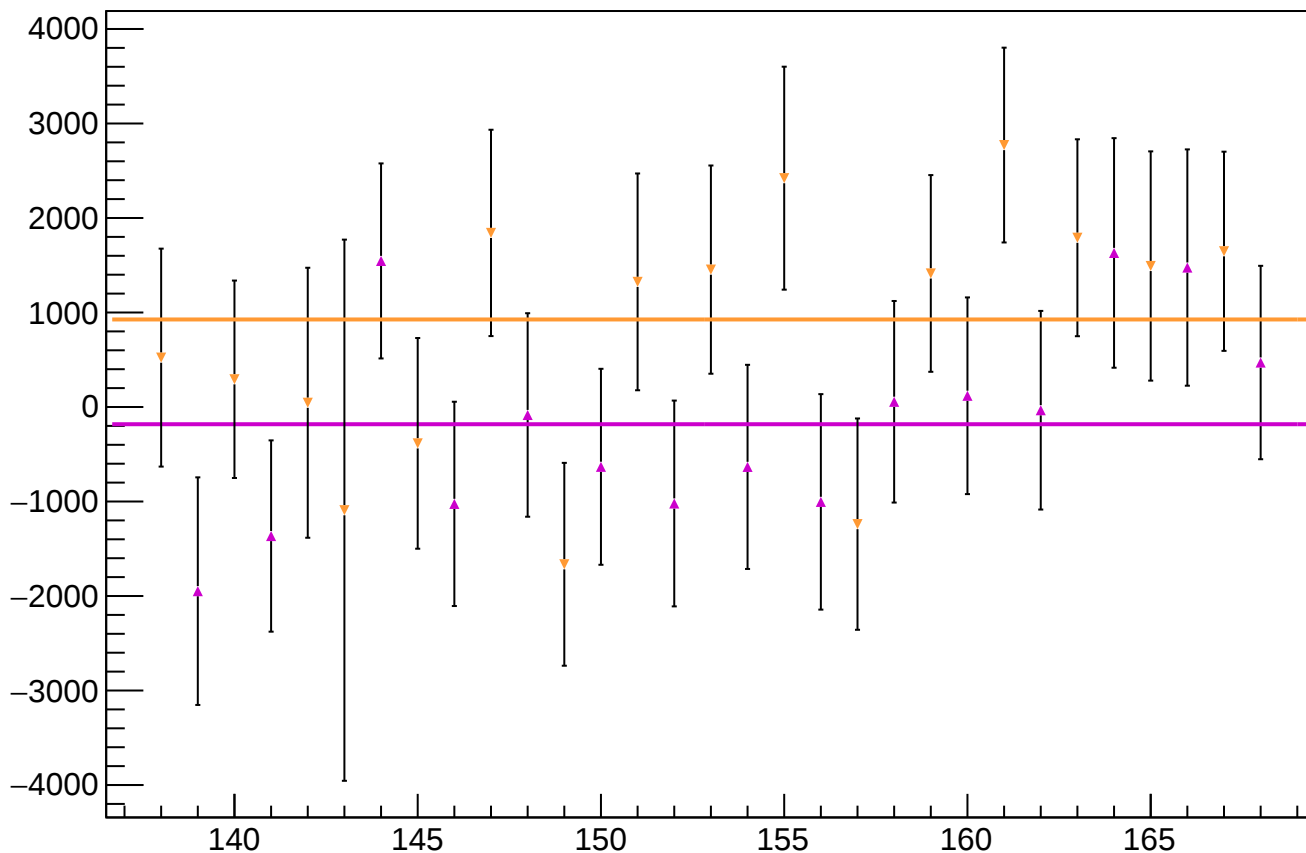
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1624.649+/-0.341 χ^2/NDF : 623769.2/14

Out: 1631.541+/-0.339 χ^2/NDF : 621440.7/15

All: 1628.106+/-0.240 χ^2/NDF : 1245415.3/30

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 926.257+/-285.584 χ^2/NDF :19.8/15

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

Left In: -182.180+/-280.559 χ^2/NDF :13.0/14

Left: 362.200+/-200.138 χ^2/NDF : 40.4/30

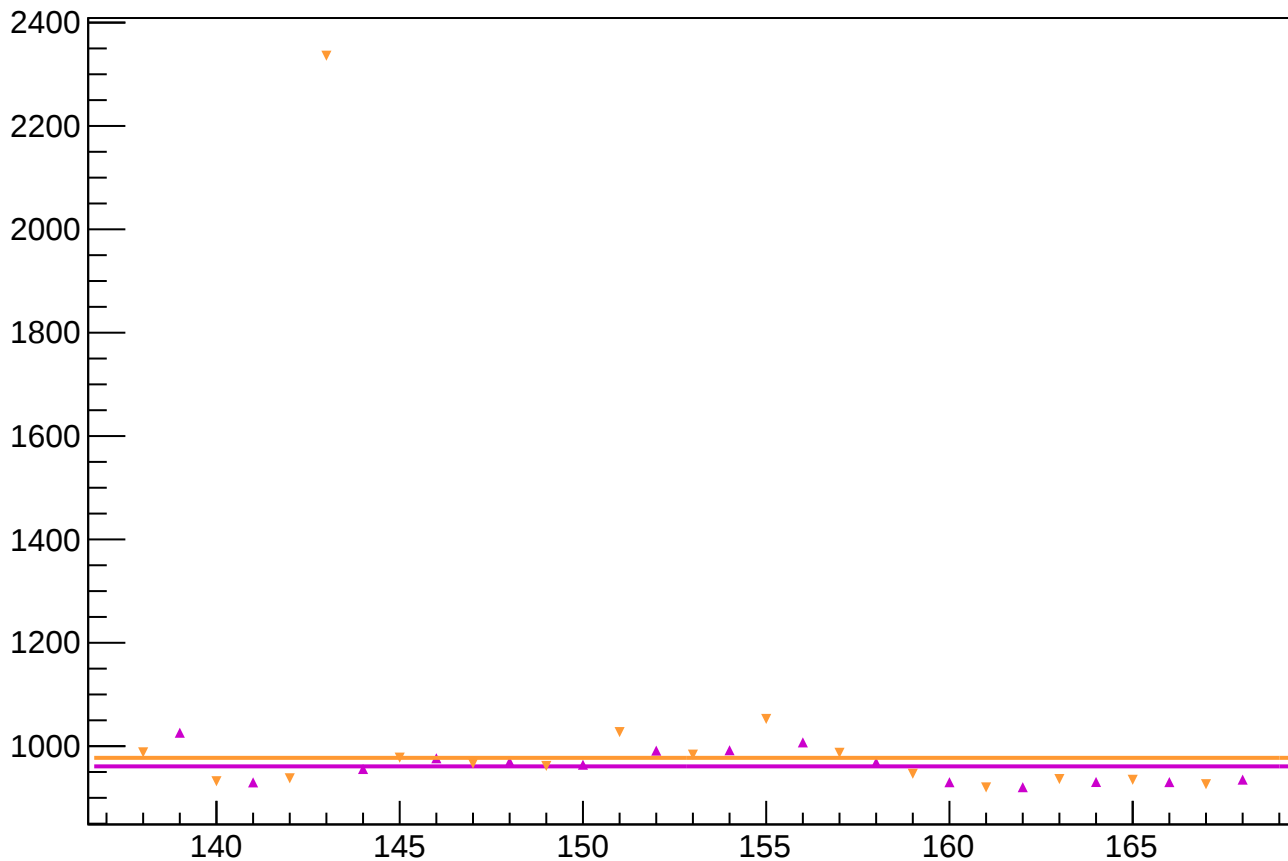
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -182.180+/-280.559 χ^2/NDF :13.0/14

Out: 926.257+/-285.584 χ^2/NDF :19.8/15

All: 362.200+/-200.138 χ^2/NDF : 40.4/30

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 977.378+/-0.202 χ^2/NDF : 486640.1/15

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

Left In: 960.883+/-0.198 χ^2/NDF : 23340.7/14

Left: 968.984+/-0.142 χ^2/NDF : 513376.2/30

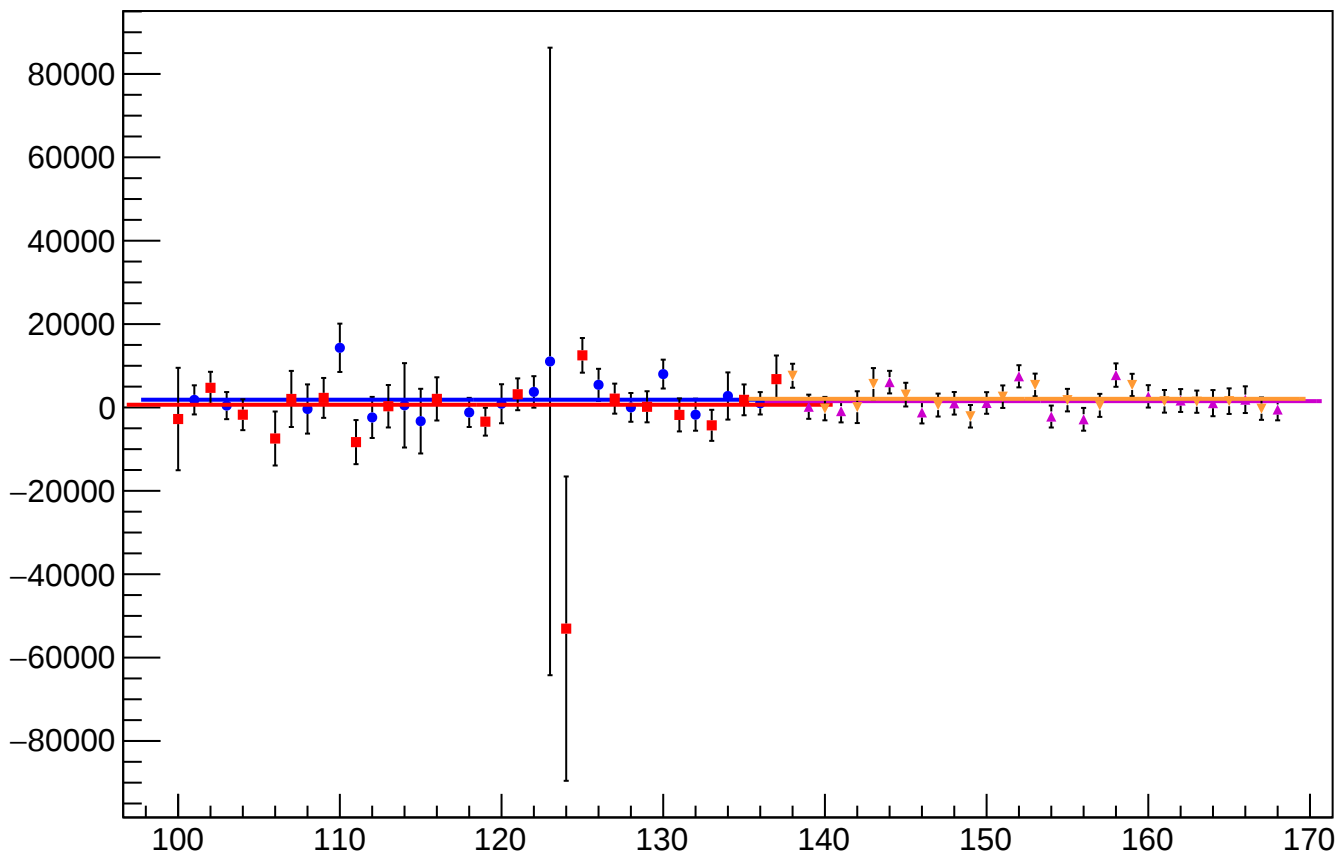
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 960.883+/-0.198 χ^2/NDF : 23340.7/14

Out: 977.378+/-0.202 χ^2/NDF : 486640.1/15

All: 968.984+/-0.142 χ^2/NDF : 513376.2/30

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2073.188+/-711.054 χ^2 /NDF:12.7/15

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

Left In: 1516.992+/-709.678 χ^2 /NDF:20.3/14

Left: 1794.551+/-502.304 χ^2 /NDF: 33.2/30

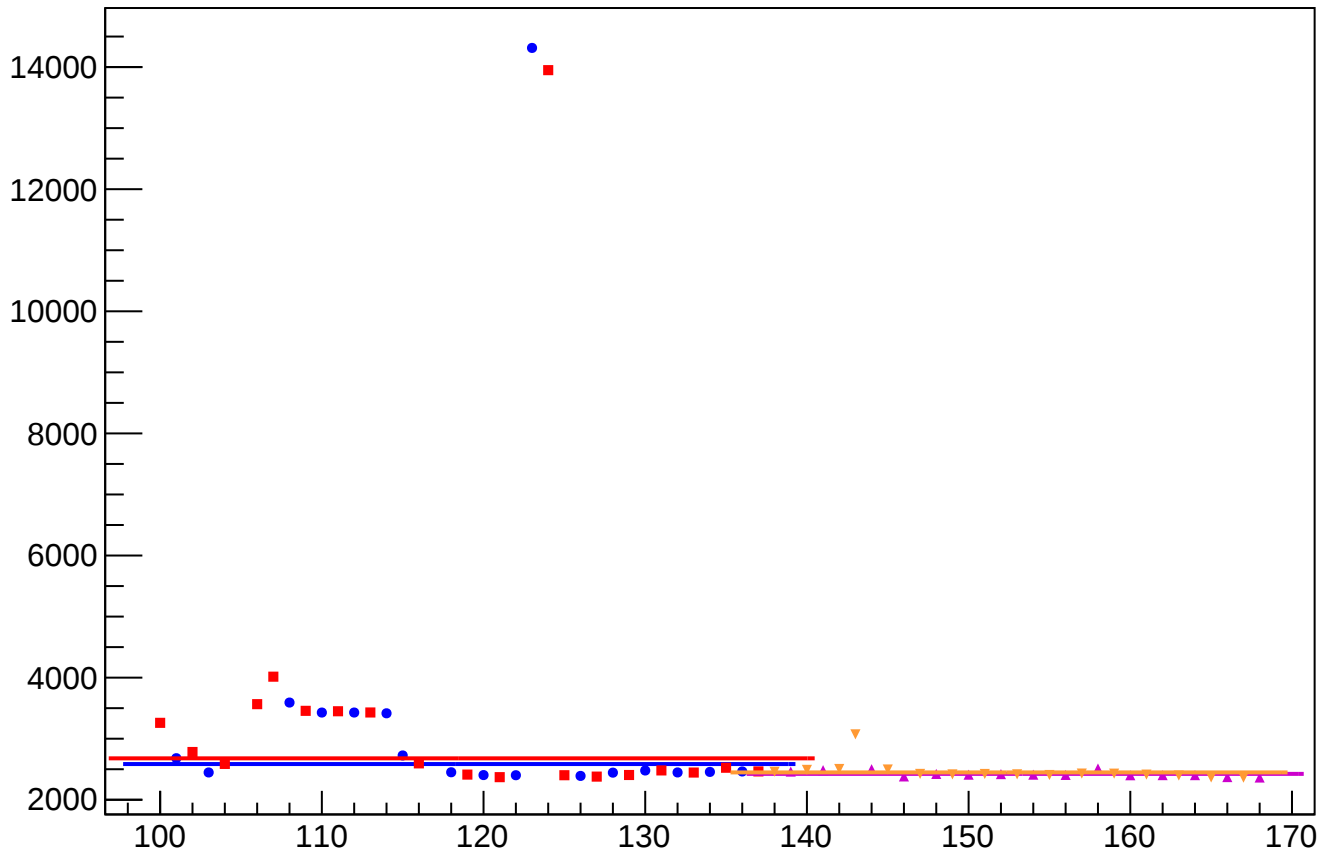
Right: 1263.106+/-720.235 χ^2 /NDF: 35.3/35

In: 1629.775+/-581.318 χ^2 /NDF:32.9/31

Out: 1611.434+/-584.012 χ^2 /NDF:36.1/34

All: 1620.647+/-412.003 χ^2 /NDF: 68.9/66

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2447.908 $\pm$ 0.503 χ^2 /NDF: 61243.8/15

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

Left In: 2423.886 $\pm$ 0.502 χ^2 /NDF: 7557.0/14

Left: 2435.874 $\pm$ 0.355 χ^2 /NDF: 69944.4/30

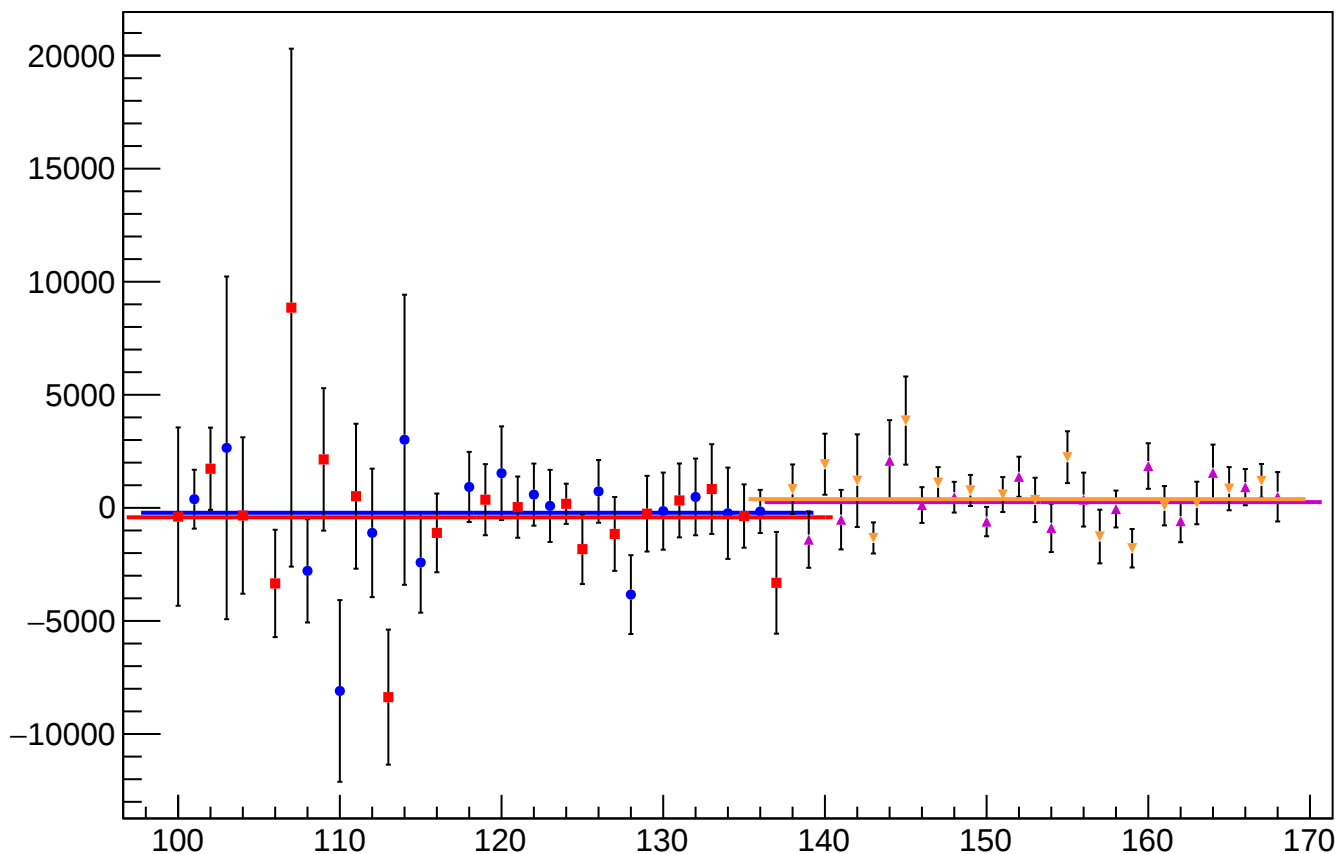
Right: 2631.050 $\pm$ 0.509 χ^2 /NDF: 796216.7/35

In: 2476.837 $\pm$ 0.411 χ^2 /NDF: 297107.5/31

Out: 2522.858 $\pm$ 0.413 χ^2 /NDF: 661625.6/34

All: 2499.741 $\pm$ 0.291 χ^2 /NDF: 964971.5/66

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -217.017 ± 420.077 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 384.486 ± 228.491 $\chi^2/\text{NDF}: 25.2/15$

Right Out: -417.202 ± 408.976 $\chi^2/\text{NDF}: 15.7/18$

Left In: 254.245 ± 241.128 $\chi^2/\text{NDF}: 13.1/14$

Left: 322.868 ± 165.855 $\chi^2/\text{NDF}: 38.4/30$

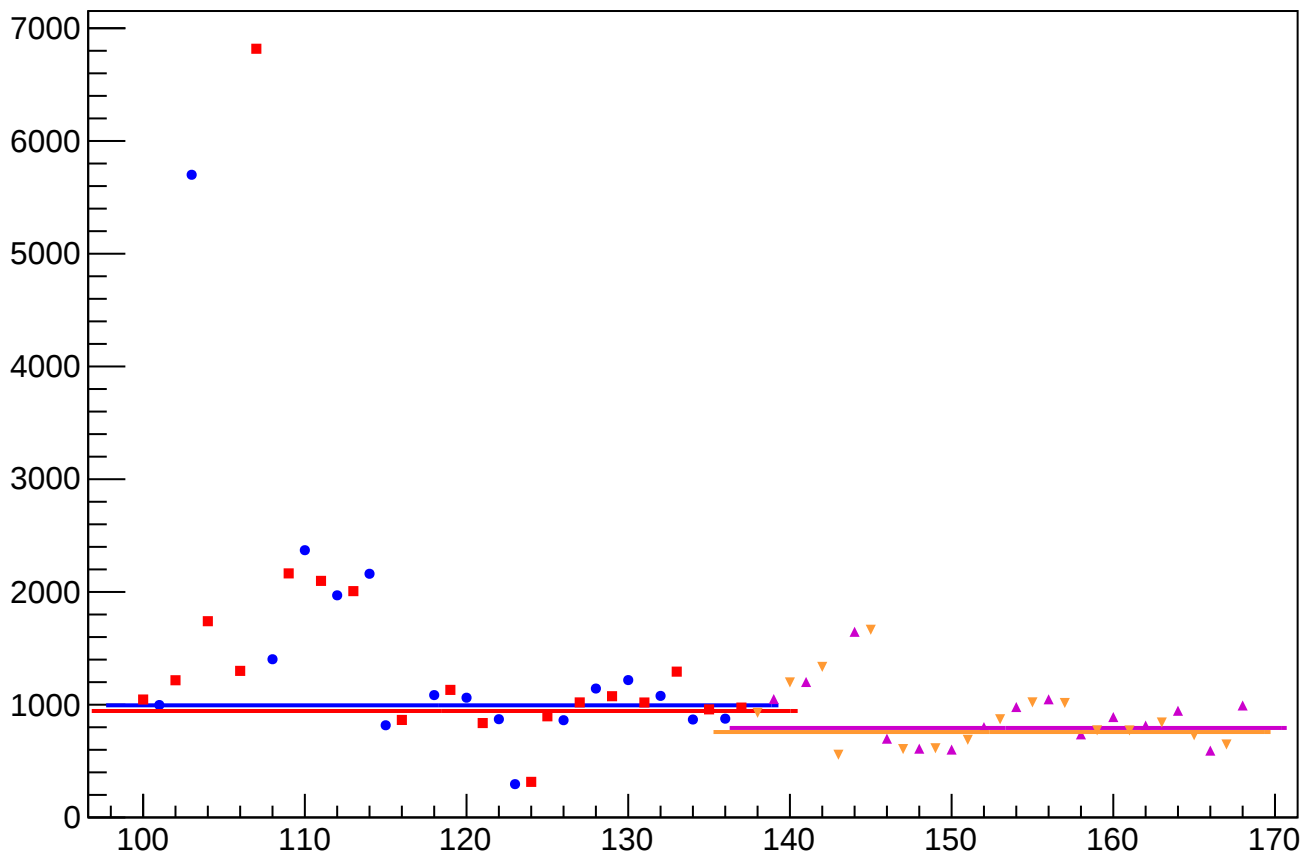
Right: -319.789 ± 293.036 $\chi^2/\text{NDF}: 29.2/35$

In: 137.453 ± 209.125 $\chi^2/\text{NDF}: 27.4/31$

Out: 193.778 ± 199.471 $\chi^2/\text{NDF}: 43.8/34$

All: 166.945 ± 144.340 $\chi^2/\text{NDF}: 71.2/66$

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 757.676+/-0.162 χ^2/NDF :1514643.1/15

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

Left In: 793.802+/-0.171 χ^2/NDF :1480883.7/14

Left: 774.768+/-0.117 χ^2/NDF : 3019179.8/30

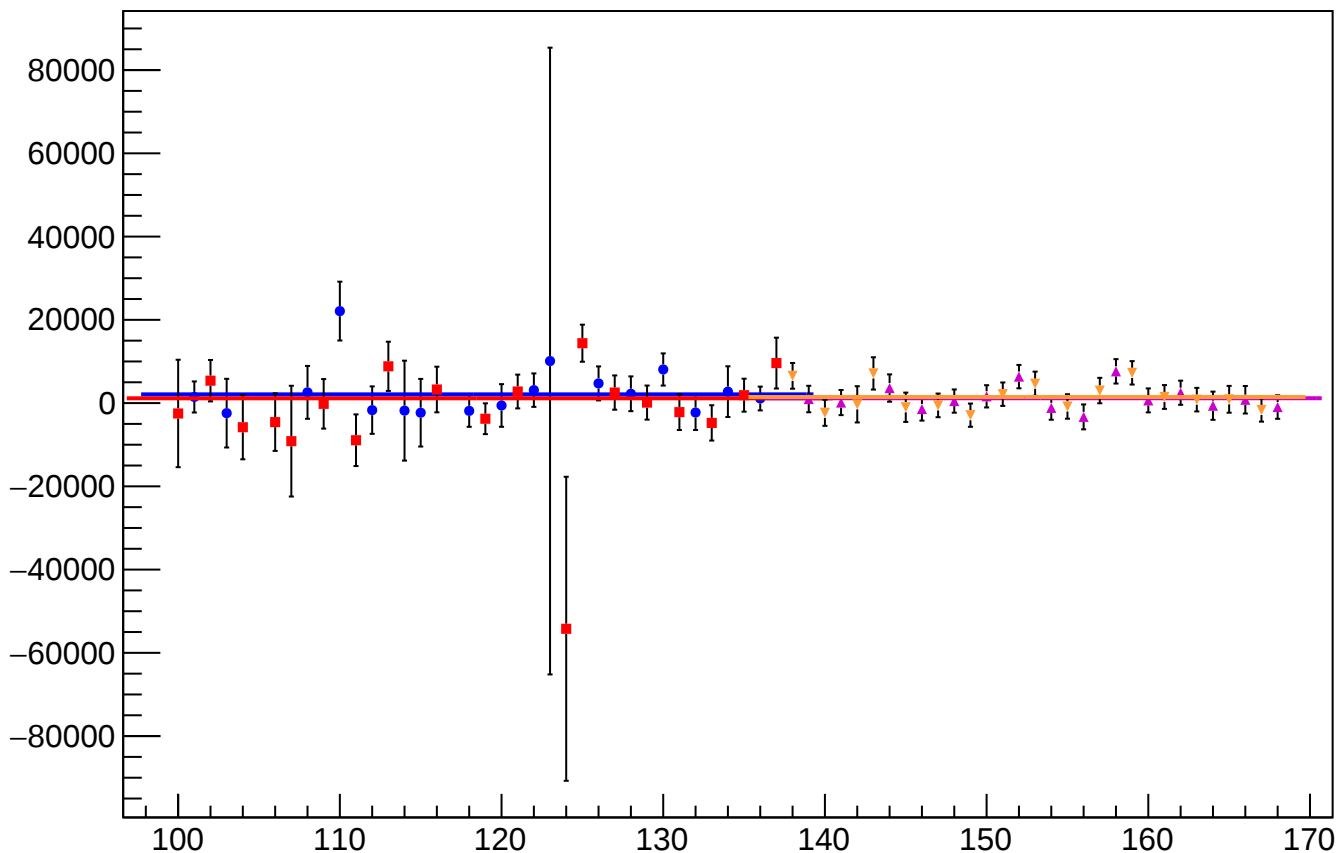
Right: 968.741+/-0.207 χ^2/NDF : 4585251.1/35

In: 843.551+/-0.148 χ^2/NDF :3728952.3/31

Out: 802.068+/-0.141 χ^2/NDF :4497991.7/34

All: 821.830+/-0.102 χ^2/NDF : 8268151.7/66

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1458.155+/-761.924 χ^2 /NDF:17.6/15

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

Left In: 1165.338+/-762.683 χ^2 /NDF:13.9/14

Left: 1311.892+/-539.030 χ^2 /NDF: 31.6/30

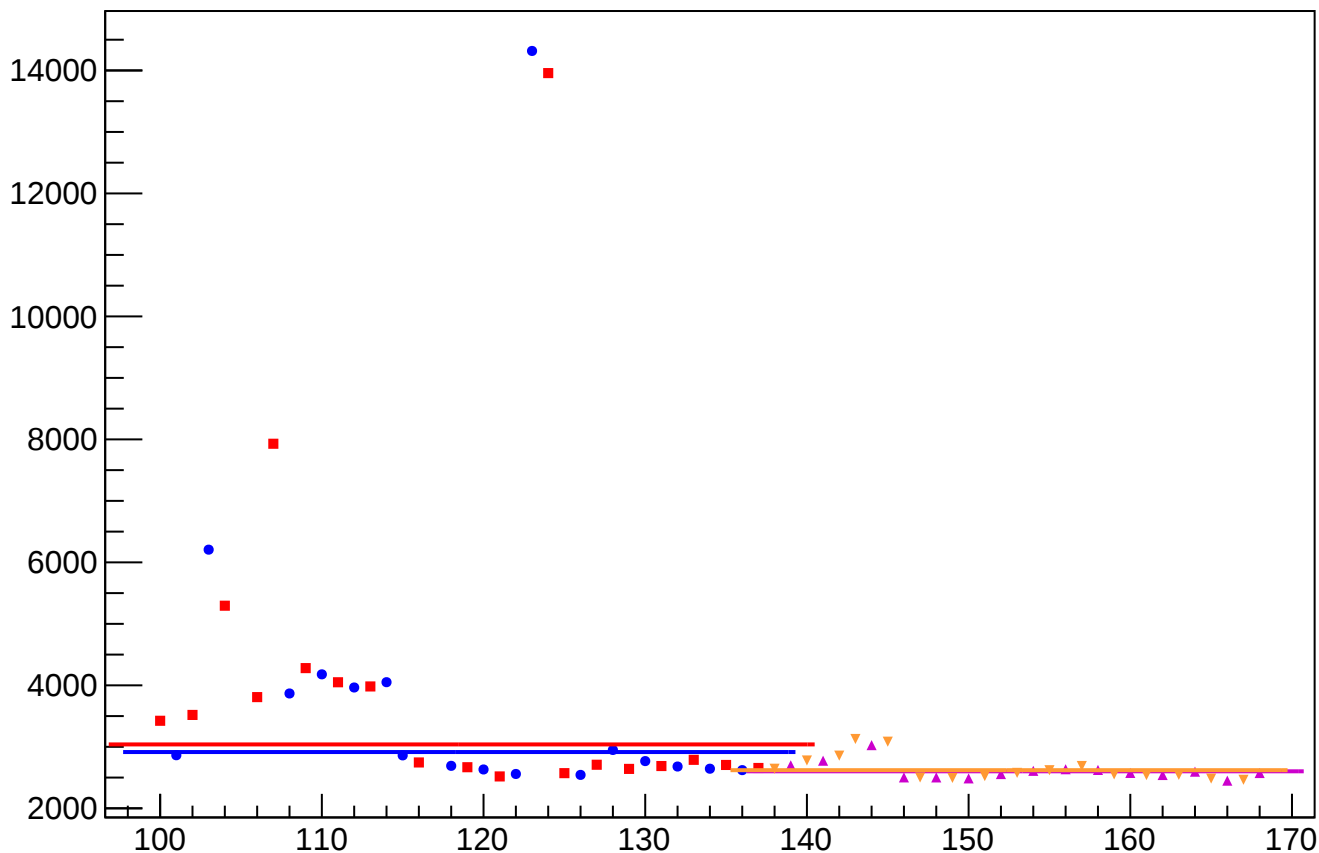
Right: 1631.633+/-829.783 χ^2 /NDF: 40.1/35

In: 1445.494+/-637.349 χ^2 /NDF:29.0/31

Out: 1367.591+/-641.197 χ^2 /NDF:42.8/34

All: 1406.777+/-452.028 χ^2 /NDF: 71.8/66

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2620.179+/-0.539 χ^2/NDF : 105291.5/15

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

Left In: 2601.948+/-0.539 χ^2/NDF : 57193.6/14

Left: 2611.073+/-0.381 χ^2/NDF : 163057.0/30

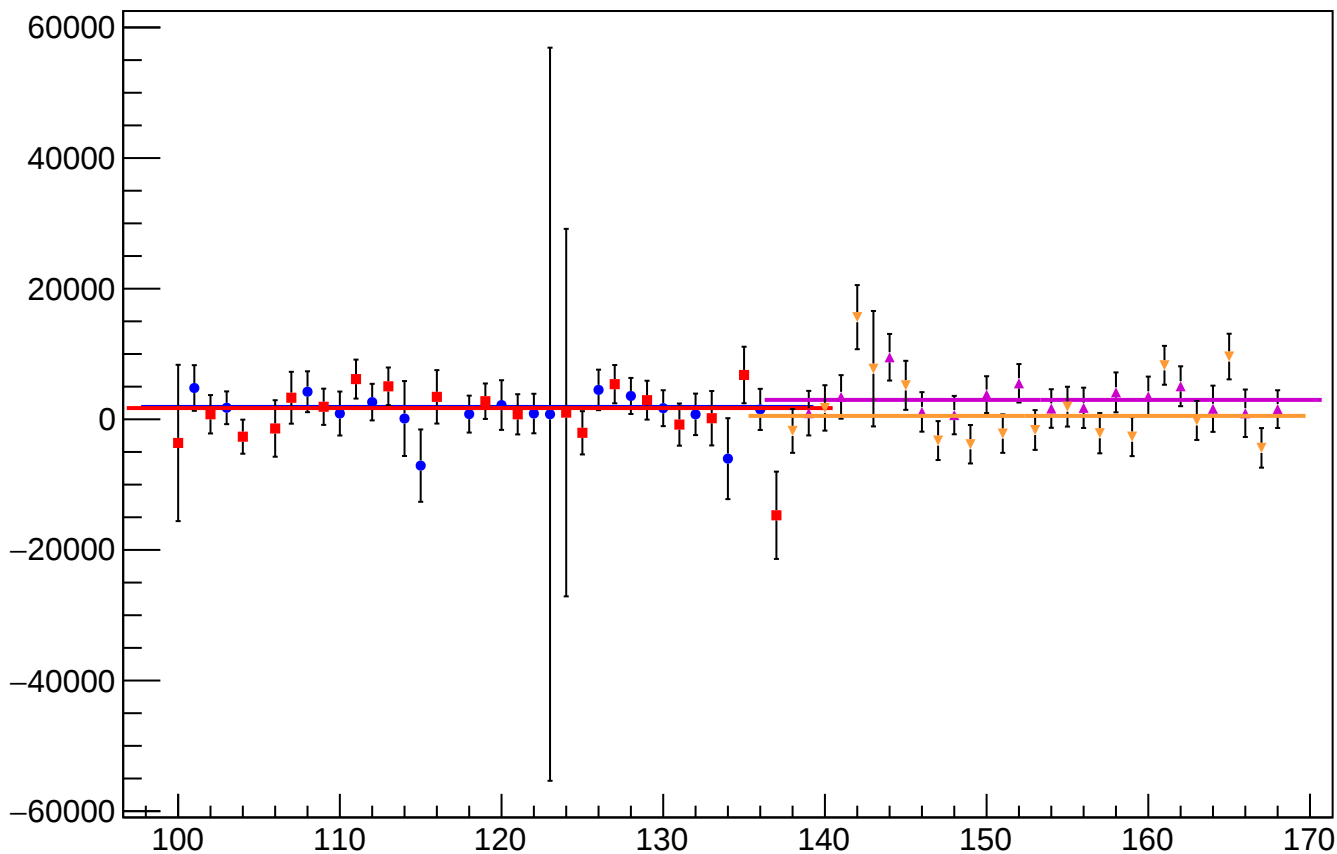
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

In: 2696.444+/-0.451 χ^2/NDF : 798107.1/31

Out: 2742.429+/-0.453 χ^2/NDF : 1293126.9/34

All: 2719.298+/-0.320 χ^2/NDF : 2096408.3/60

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 522.921 $\pm$ 819.572 χ^2 /NDF:35.7/15

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

Left In: 2971.427 $\pm$ 805.962 χ^2 /NDF:7.2/14

Left: 1767.674 $\pm$ 574.653 χ^2 /NDF: 47.5/30

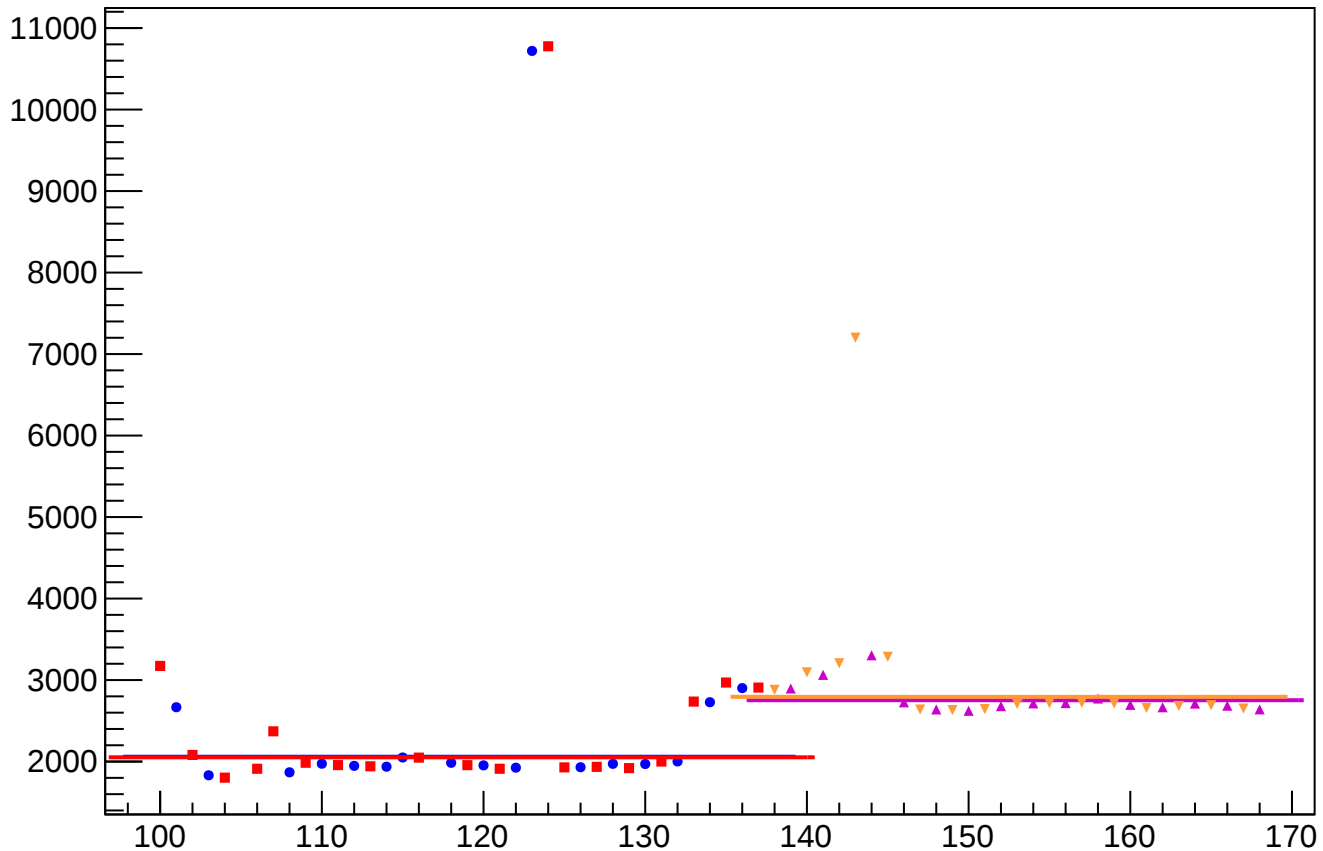
Right: 1802.263 $\pm$ 566.080 χ^2 /NDF: 26.2/35

In: 2434.342 $\pm$ 571.825 χ^2 /NDF:15.4/31

Out: 1142.913 $\pm$ 568.823 χ^2 /NDF:55.8/34

All: 1785.228 $\pm$ 403.276 χ^2 /NDF: 73.8/66

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2794.559+/-0.580 χ^2/NDF : 597437.8/15

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

Left In: 2752.724+/-0.570 χ^2/NDF : 84301.0/14

Left: 2773.291+/-0.406 χ^2/NDF : 684387.9/30

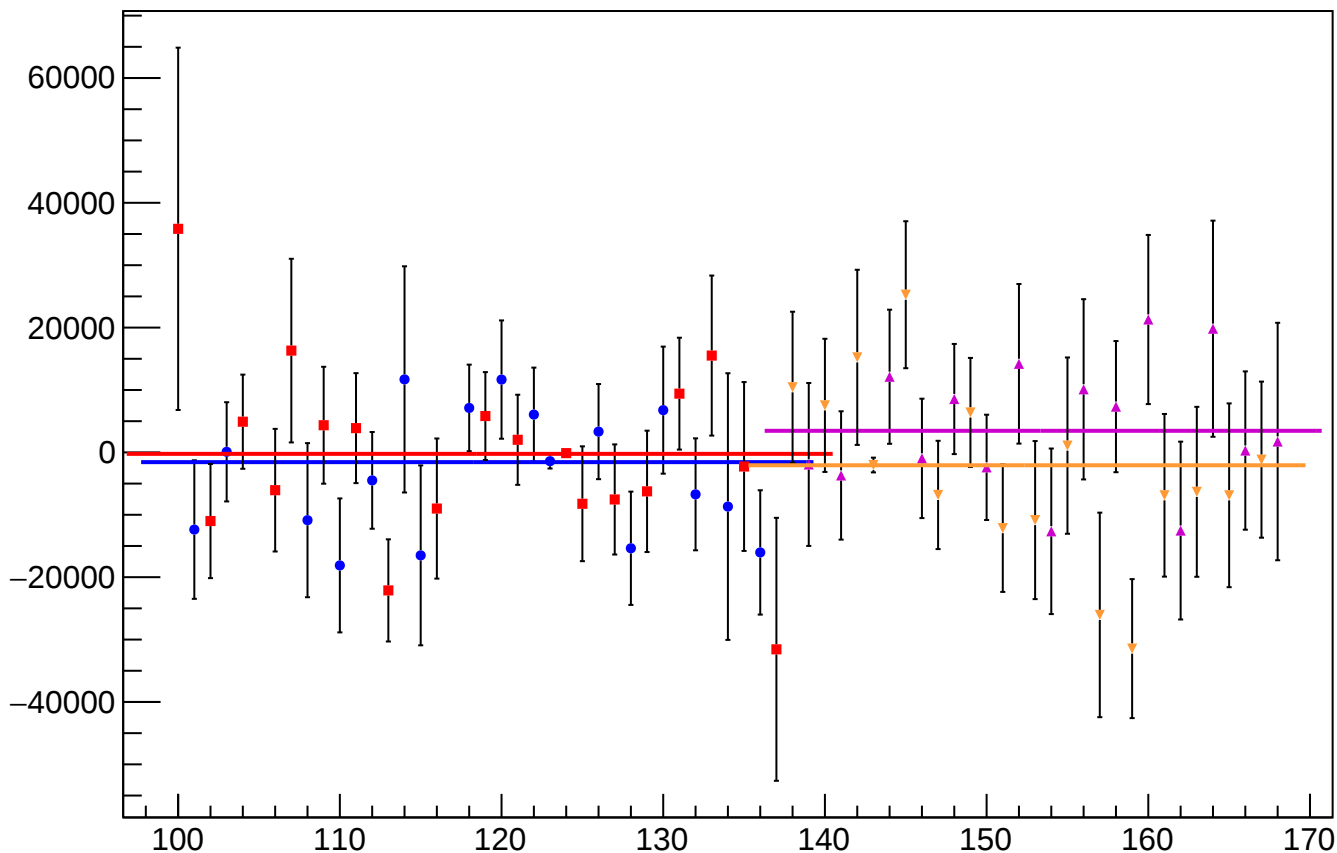
Right: 2055.522+/-0.400 χ^2/NDF : 761953.2/35

In: 2408.189+/-0.404 χ^2/NDF : 1138805.3/31

Out: 2409.825+/-0.402 χ^2/NDF : 1891101.9/34

All: 2409.012+/-0.285 χ^2/NDF : 3029915.5/60

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2063.704+/-1101.566 χ^2/NDF : 21.0/15

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

Left In: 3459.367+/-3013.808 χ^2/NDF : 8.8/14

Left: -1412.806+/-1034.622 χ^2/NDF : 32.7/30

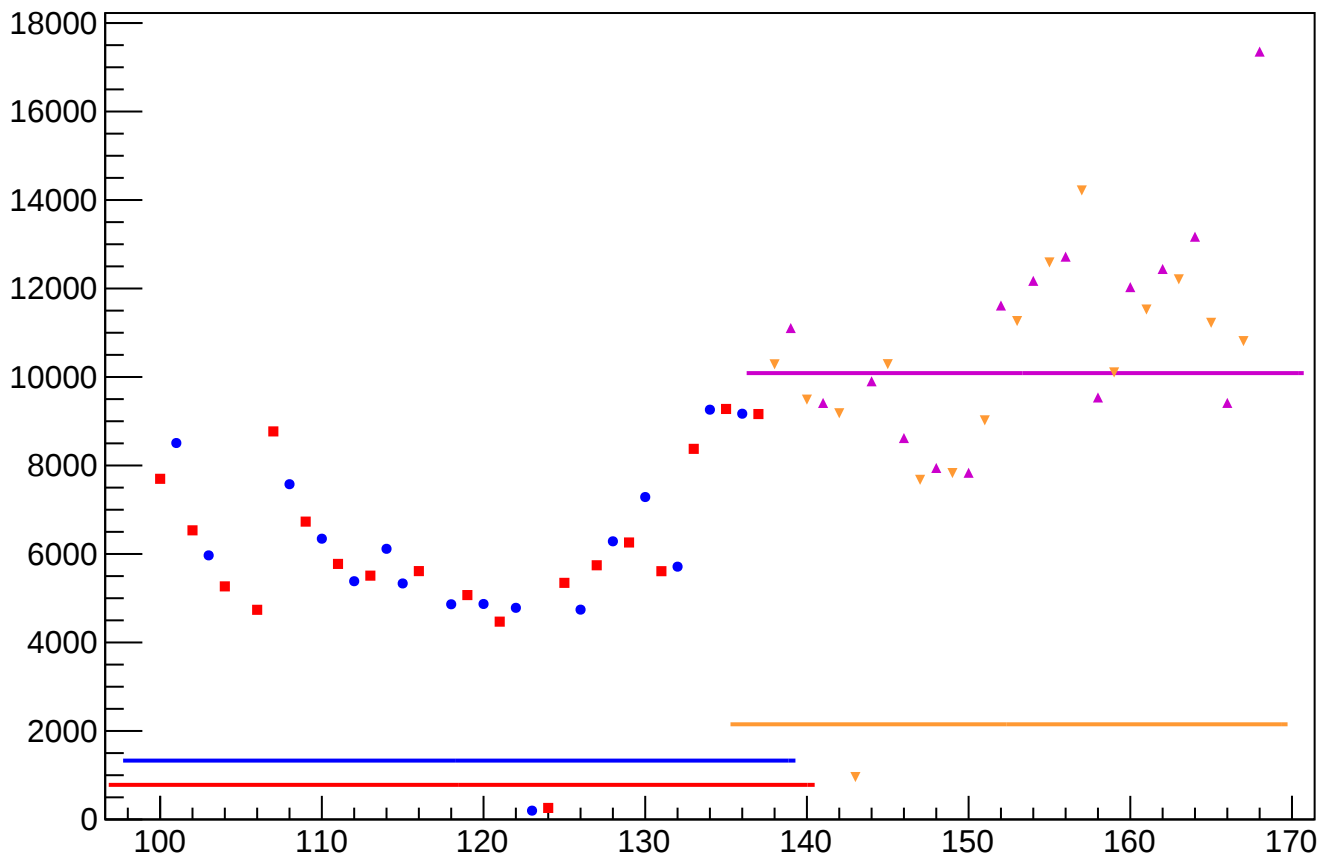
Right: -638.499+/-580.304 χ^2/NDF : 38.1/35

In: -1015.918+/-994.867 χ^2/NDF : 27.5/31

Out: -756.710+/-587.891 χ^2/NDF : 43.7/34

All: -823.797+/-506.127 χ^2/NDF : 71.3/66

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250+/-0.745

χ^2/NDF : 10046828.9/16

Left: 3086.109+/-0.732

χ^2/NDF : 29139865.8/30

Left Out: 2150.714+/-0.779

χ^2/NDF : 15968185.5/15

Right: 948.102+/-0.410

χ^2/NDF : 21864055.1/35

Right Out: 781.848+/-0.492

χ^2/NDF : 11439893.7/18

In: 2284.545+/-0.703

χ^2/NDF : 26029114.8/31

Out: 1171.730+/-0.416

χ^2/NDF : 29616825.7/34

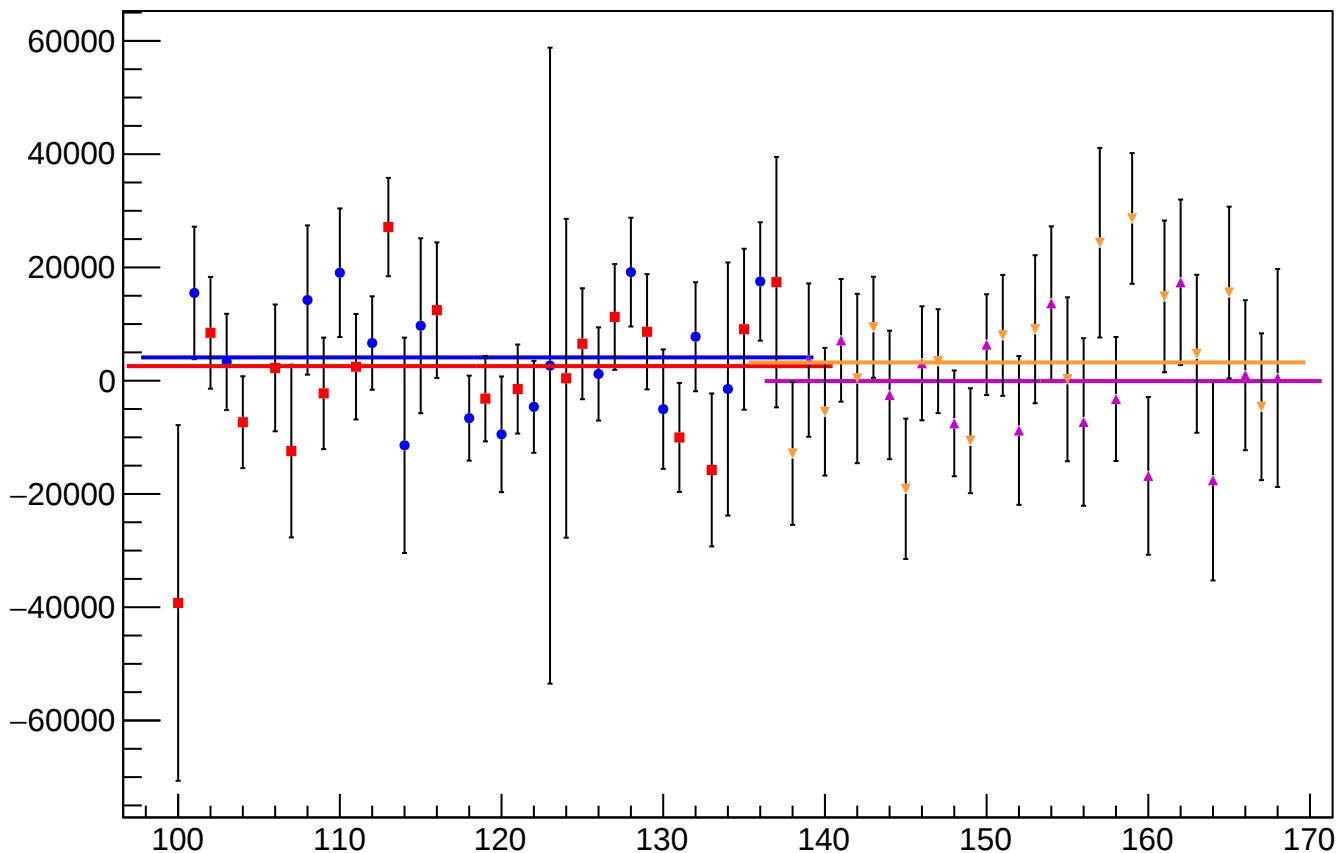
Left In: 10087.829+/-2.131

χ^2/NDF : 934929.2/14

All: 1459.743+/-0.358

χ^2/NDF : 57500635.0/6

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 3226.700 $\pm$ 2978.804 χ^2 /NDF:16.9/15

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

Left In: -61.040 $\pm$ 3142.433 χ^2 /NDF:7.5/14

Left: 1670.653 $\pm$ 2161.866 χ^2 /NDF: 24.9/30

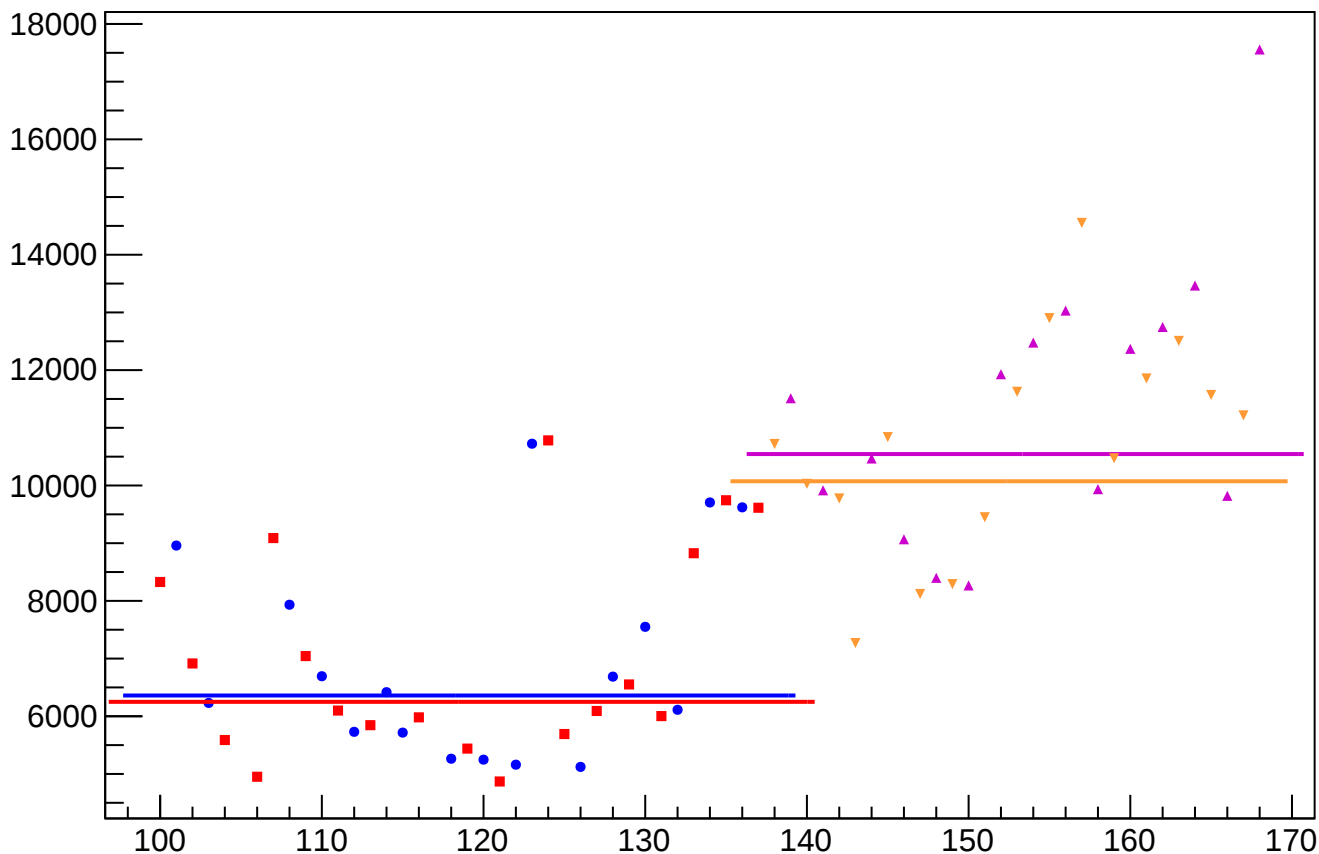
Right: 3309.487 $\pm$ 1750.441 χ^2 /NDF: 34.5/35

In: 2467.211 $\pm$ 1972.776 χ^2 /NDF:22.9/31

Out: 2835.810 $\pm$ 1878.506 χ^2 /NDF:36.9/34

All: 2660.527 $\pm$ 1360.411 χ^2 /NDF: 59.7/66

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 10073.432+/-2.106 χ^2/NDF : 763908.2/15

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

Left In: 10545.095+/-2.222 χ^2/NDF : 827570.9/14

Left: 10296.664+/-1.529 χ^2/NDF : 1615211.1/30

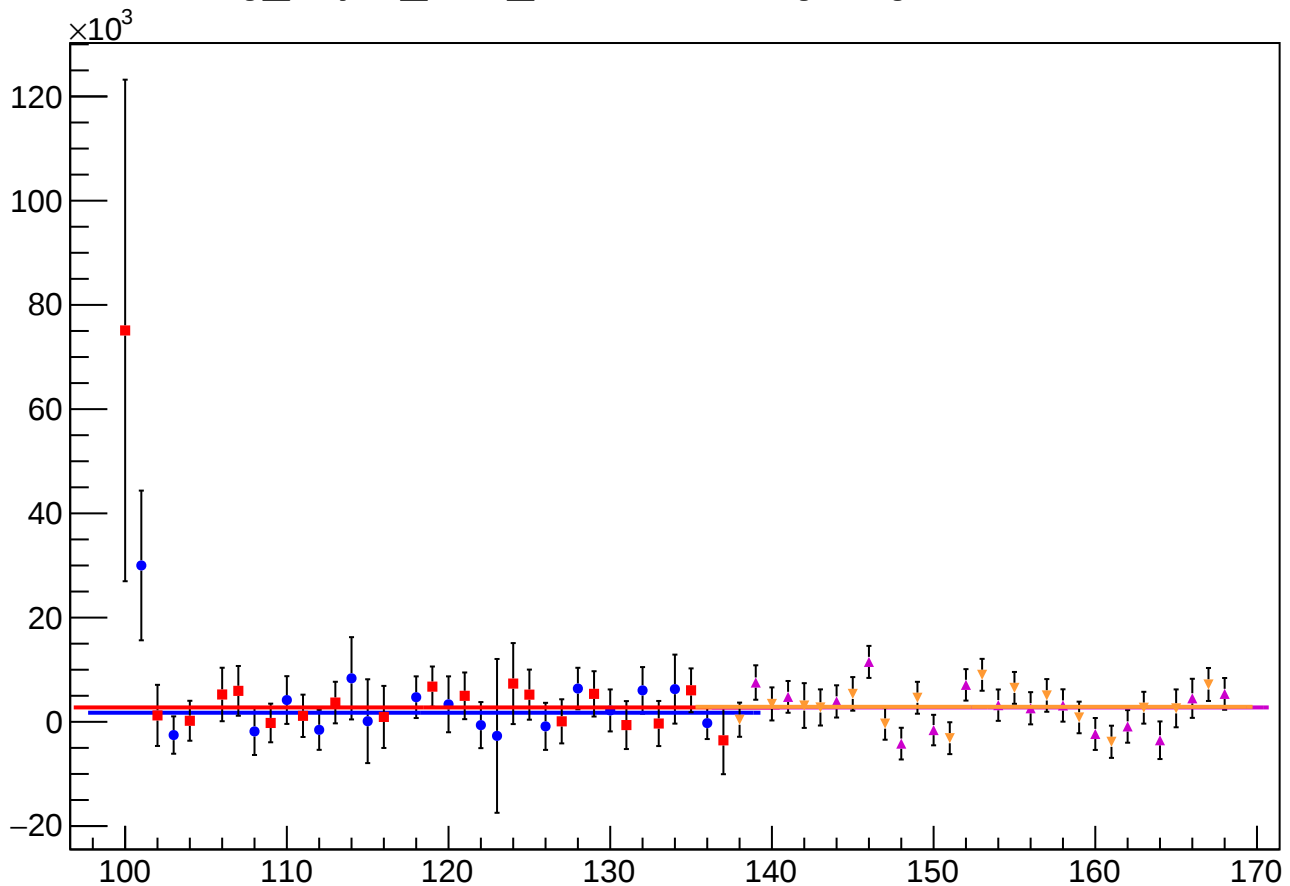
Right: 6302.460+/-1.238 χ^2/NDF : 1115403.3/35

In: 8009.357+/-1.395 χ^2/NDF : 3557431.6/31

Out: 7770.474+/-1.328 χ^2/NDF : 3281505.1/34

All: 7884.069+/-0.962 χ^2/NDF : 6854317.2/66

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1746.001 ± 1128.522 $\chi^2/\text{NDF}: 12.2/16$

Left Out: 2881.712 ± 801.547 $\chi^2/\text{NDF}: 19.4/15$

Right Out: 2763.863 ± 1071.947 $\chi^2/\text{NDF}: 9.7/18$

Left In: 2761.605 ± 809.053 $\chi^2/\text{NDF}: 28.4/14$

Left: 2822.218 ± 569.414 $\chi^2/\text{NDF}: 47.8/30$

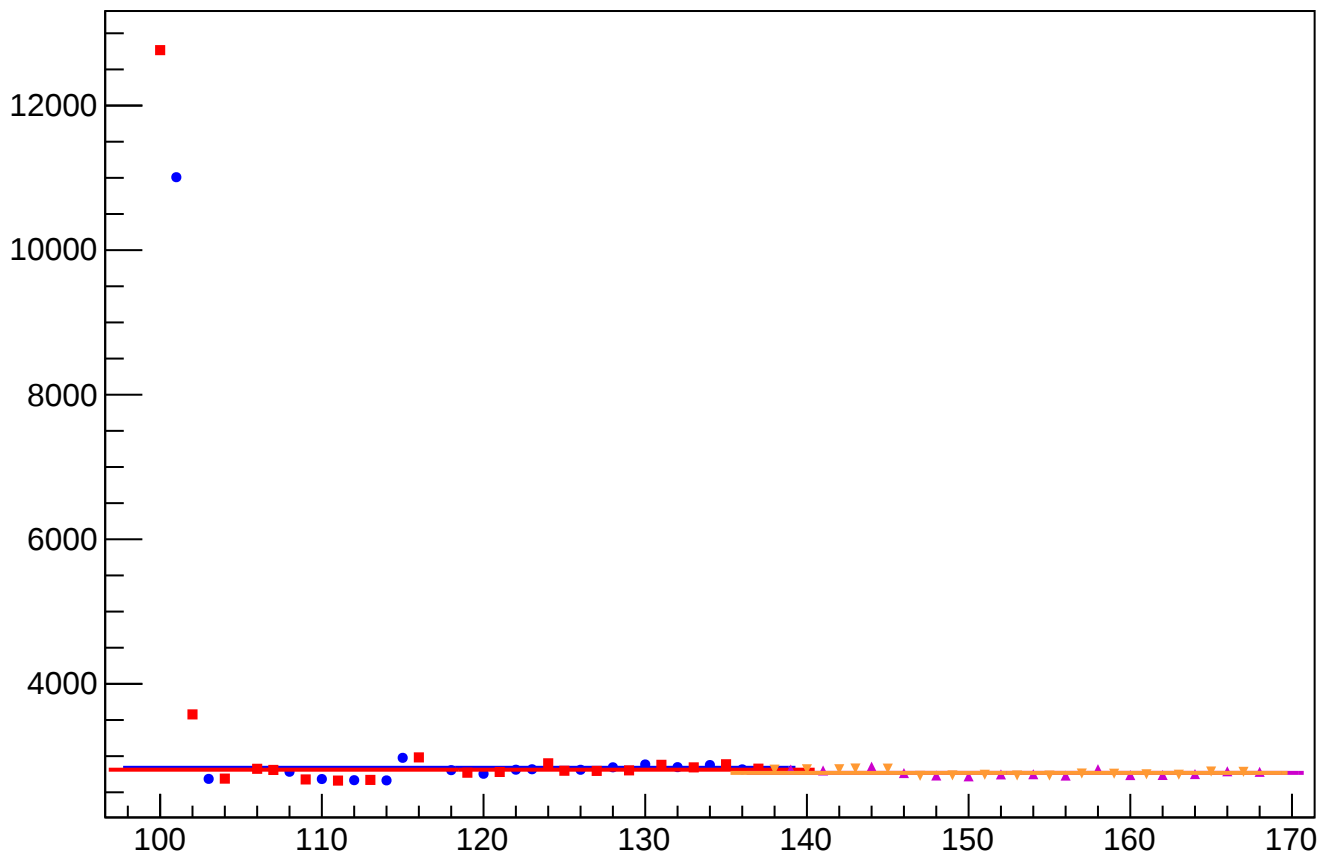
Right: 2281.084 ± 777.212 $\chi^2/\text{NDF}: 22.3/35$

In: 2416.825 ± 657.535 $\chi^2/\text{NDF}: 41.1/31$

Out: 2839.449 ± 641.930 $\chi^2/\text{NDF}: 29.1/34$

All: 2633.212 ± 459.331 $\chi^2/\text{NDF}: 70.5/66$

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2768.341+/-0.567 χ^2/NDF : 4096.3/15

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

Left In: 2768.613+/-0.572 χ^2/NDF : 4519.8/14

Left: 2768.475+/-0.403 χ^2/NDF : 8616.2/30

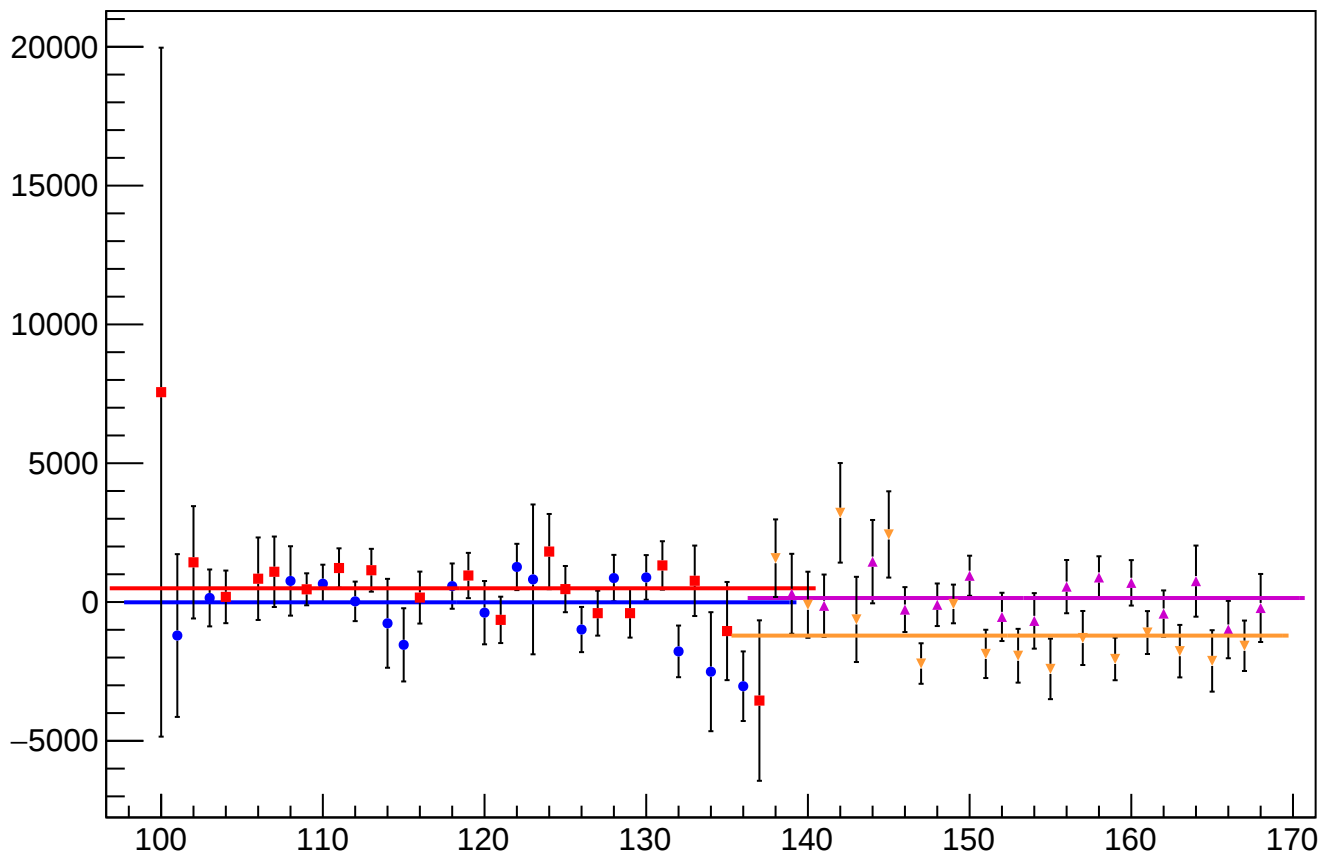
Right: 2825.011+/-0.550 χ^2/NDF : 793836.1/35

In: 2792.419+/-0.465 χ^2/NDF : 669829.8/31

Out: 2784.222+/-0.454 χ^2/NDF : 139349.9/34

All: 2788.222+/-0.325 χ^2/NDF : 809338.8/66

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -9.845 ± 241.678 $\chi^2/\text{NDF}: 20.7/16$

Left Out: -1209.111 ± 241.743 $\chi^2/\text{NDF}: 25.9/15$

Right Out: 495.250 ± 221.487 $\chi^2/\text{NDF}: 11.9/18$

Left In: 144.679 ± 241.545 $\chi^2/\text{NDF}: 7.3/14$

Left: -531.661 ± 170.868 $\chi^2/\text{NDF}: 48.9/30$

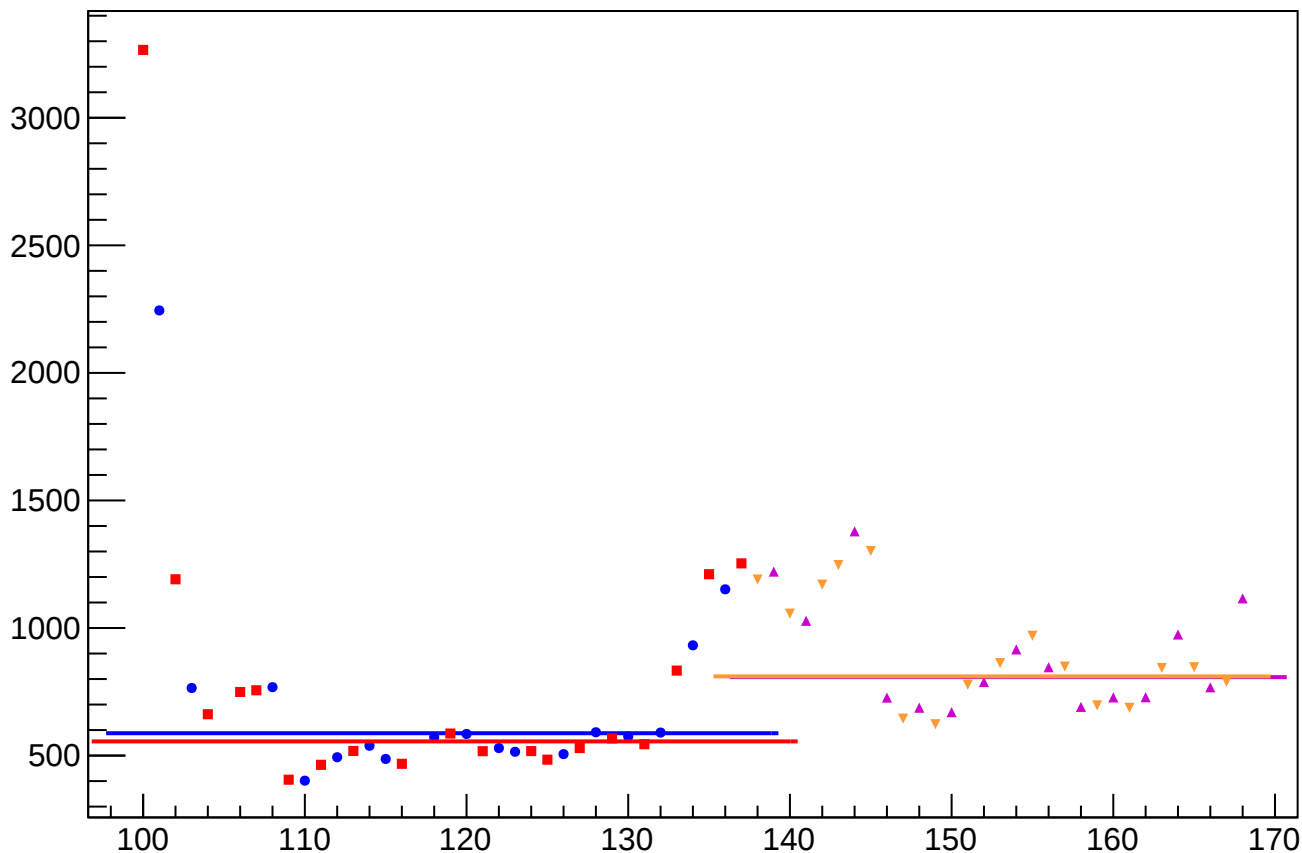
Right: 264.680 ± 163.287 $\chi^2/\text{NDF}: 35.0/35$

In: 67.460 ± 170.845 $\chi^2/\text{NDF}: 28.2/31$

Out: -282.543 ± 163.307 $\chi^2/\text{NDF}: 64.8/34$

All: -115.433 ± 118.051 $\chi^2/\text{NDF}: 95.2/66$

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 810.442+/-0.171 χ^2/NDF :1077985.4/15

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

Left In: 807.521+/-0.171 χ^2/NDF :948261.6/14

Left: 808.980+/-0.121 χ^2/NDF : 2026393.2/30

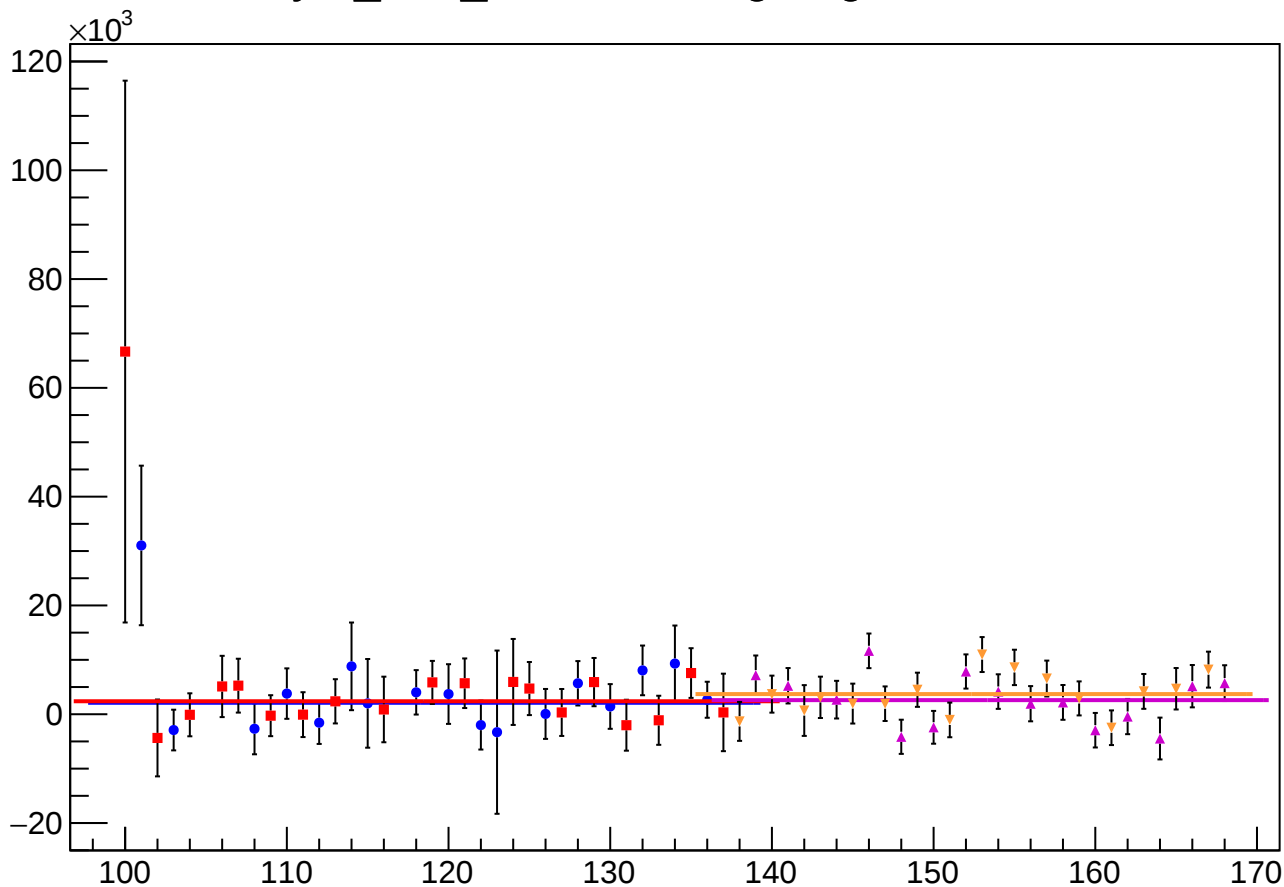
Right: 570.170+/-0.115 χ^2/NDF : 2551661.9/35

In: 697.619+/-0.121 χ^2/NDF :3202566.7/31

Out: 671.862+/-0.115 χ^2/NDF :3393683.0/34

All: 684.160+/-0.083 χ^2/NDF : 6620003.1/66

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3704.684 $\pm$ 846.630 χ^2 /NDF:19.2/15

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

Left In: 2591.665 $\pm$ 851.722 χ^2 /NDF:29.5/14

Left: 3151.512 $\pm$ 600.450 χ^2 /NDF: 49.5/30

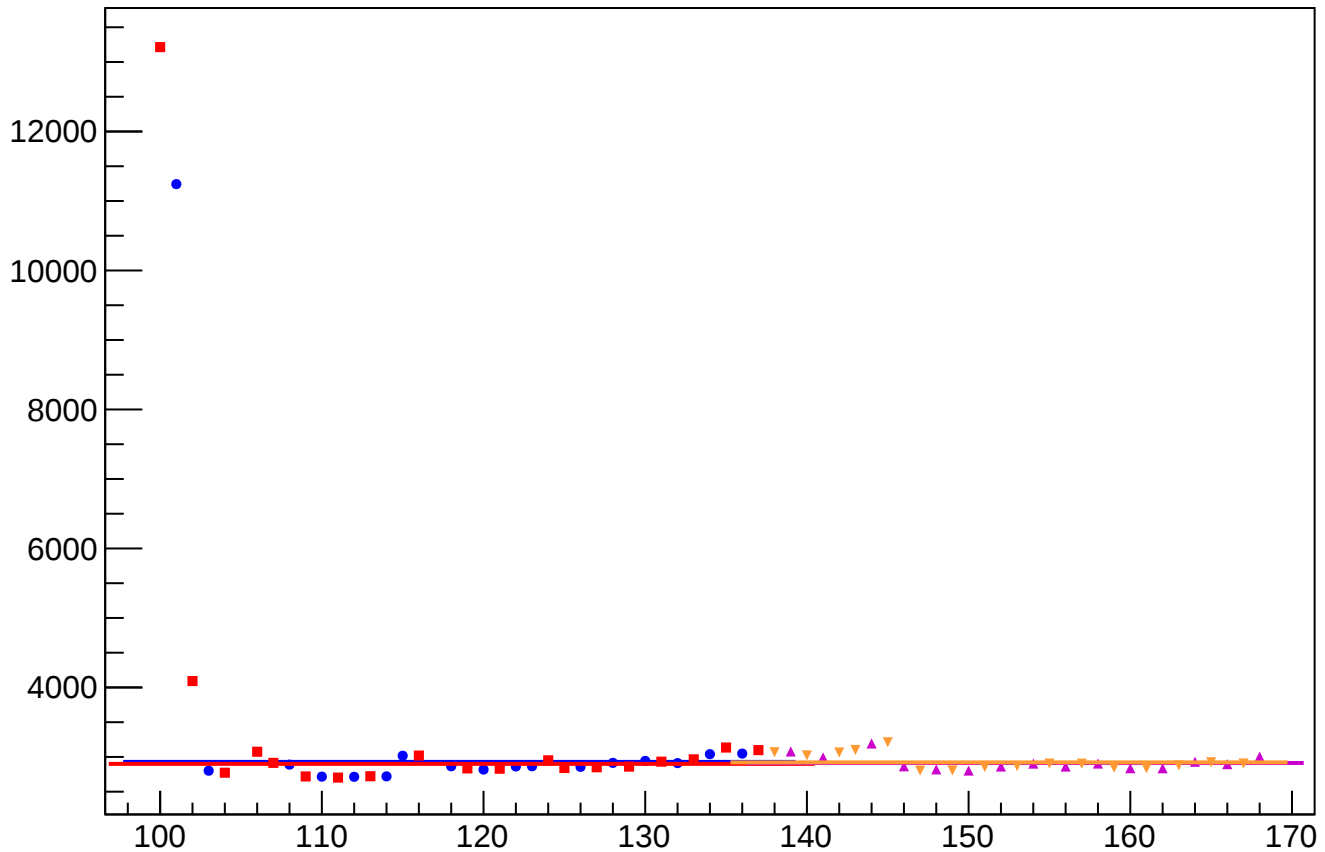
Right: 2253.766 $\pm$ 803.505 χ^2 /NDF: 23.4/35

In: 2423.244 $\pm$ 687.430 χ^2 /NDF:43.0/31

Out: 3219.765 $\pm$ 673.224 χ^2 /NDF:30.0/34

All: 2829.820 $\pm$ 480.985 χ^2 /NDF: 73.7/66

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2921.766+/-0.599 χ^2/NDF : 33942.6/15

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

Left In: 2913.125+/-0.602 χ^2/NDF : 28278.7/14

Left: 2917.472+/-0.425 χ^2/NDF : 62324.8/30

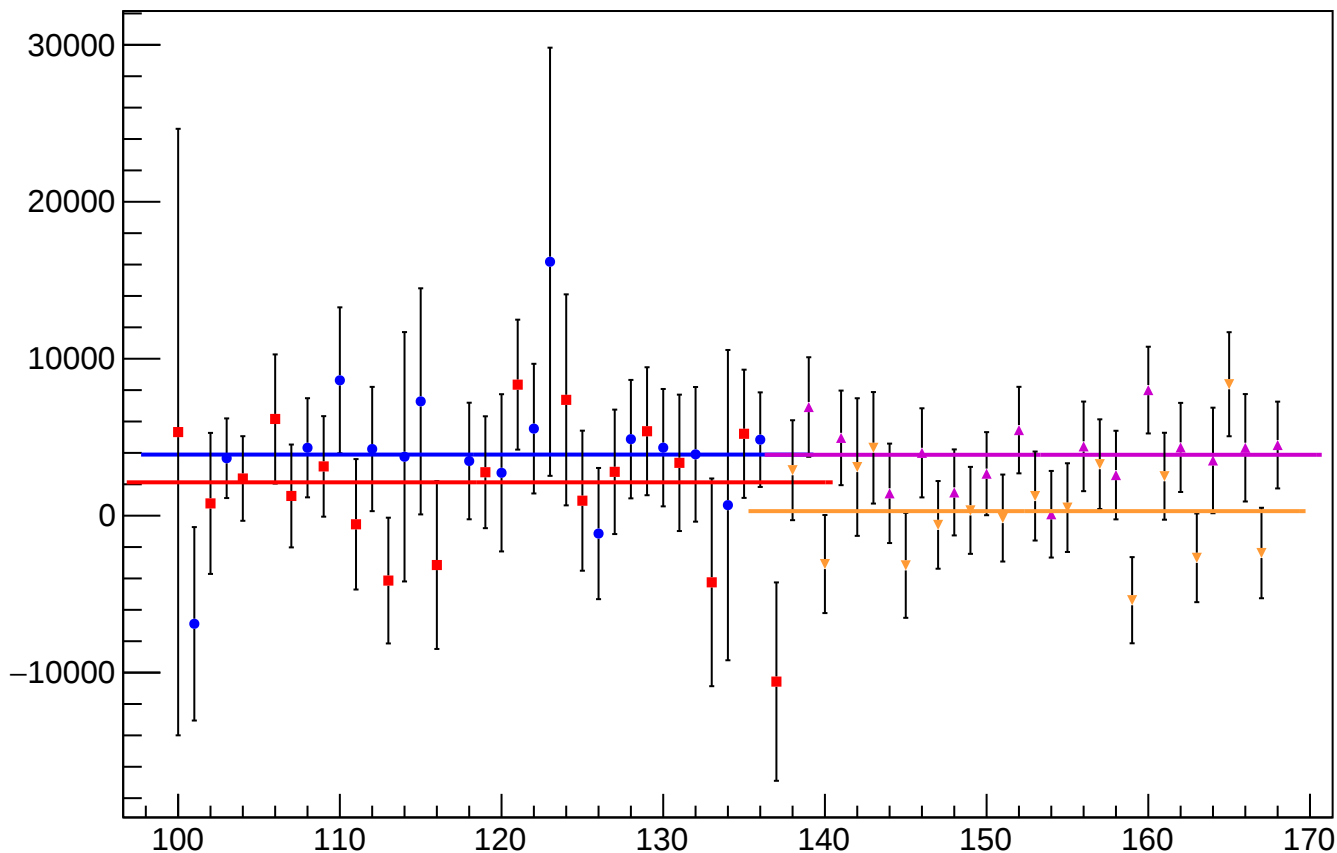
Right: 2913.915+/-0.568 χ^2/NDF : 832699.2/35

In: 2918.554+/-0.486 χ^2/NDF : 690874.7/31

Out: 2913.937+/-0.476 χ^2/NDF : 204128.4/34

All: 2916.197+/-0.340 χ^2/NDF : 895049.1/66

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 288.131 $\pm$ 749.114 χ^2 /NDF: 18.8/15

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

Left In: 3879.090 $\pm$ 749.546 χ^2 /NDF: 7.4/14

Left: 2082.576 $\pm$ 529.856 χ^2 /NDF: 37.7/30

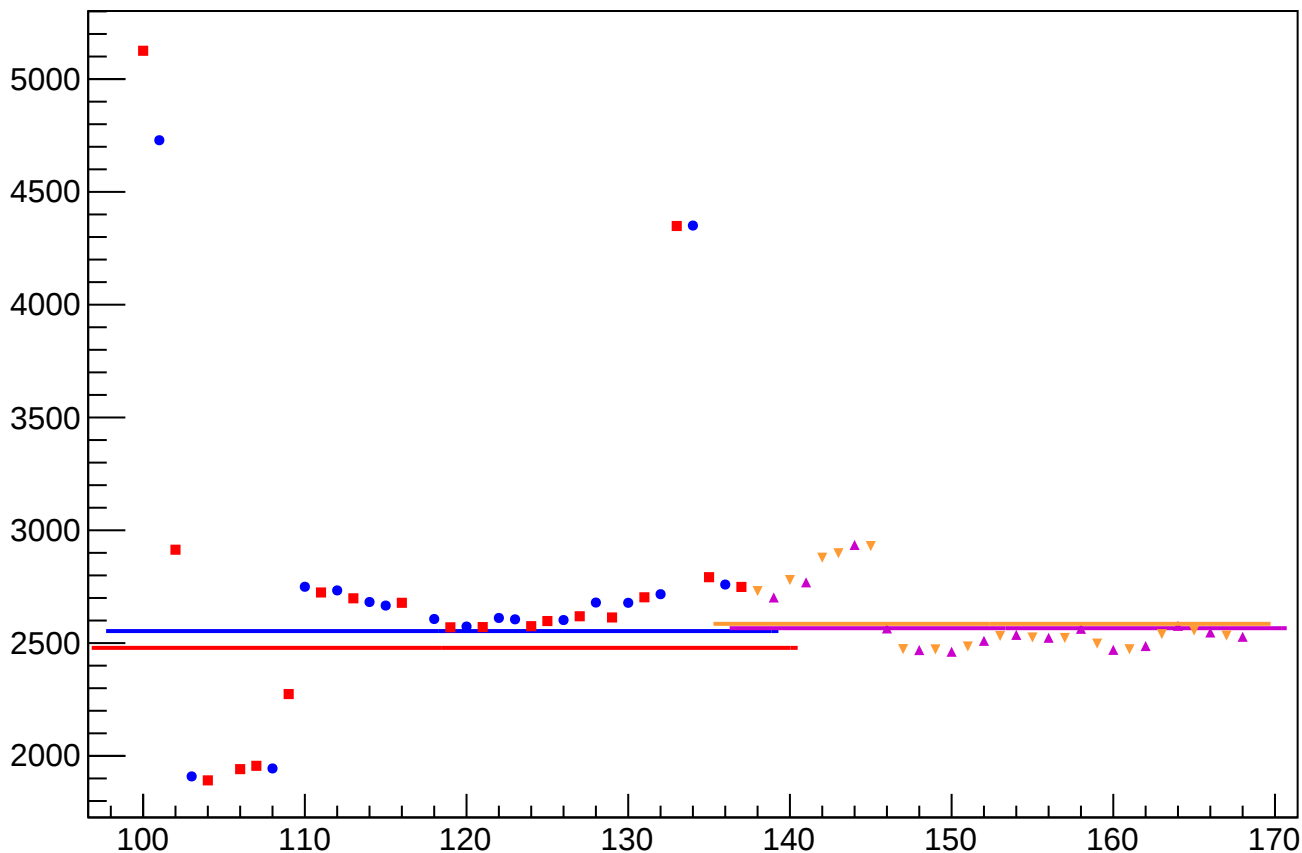
Right: 2960.811 $\pm$ 695.784 χ^2 /NDF: 23.1/35

In: 3883.844 $\pm$ 602.268 χ^2 /NDF: 14.5/31

Out: 984.627 $\pm$ 590.216 χ^2 /NDF: 35.4/34

All: 2404.937 $\pm$ 421.542 χ^2 /NDF: 61.8/66

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2585.356+/-0.530 χ^2/NDF : 76052.6/15

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

Left In: 2566.005+/-0.530 χ^2/NDF : 51457.5/14

Left: 2575.686+/-0.375 χ^2/NDF : 128177.0/30

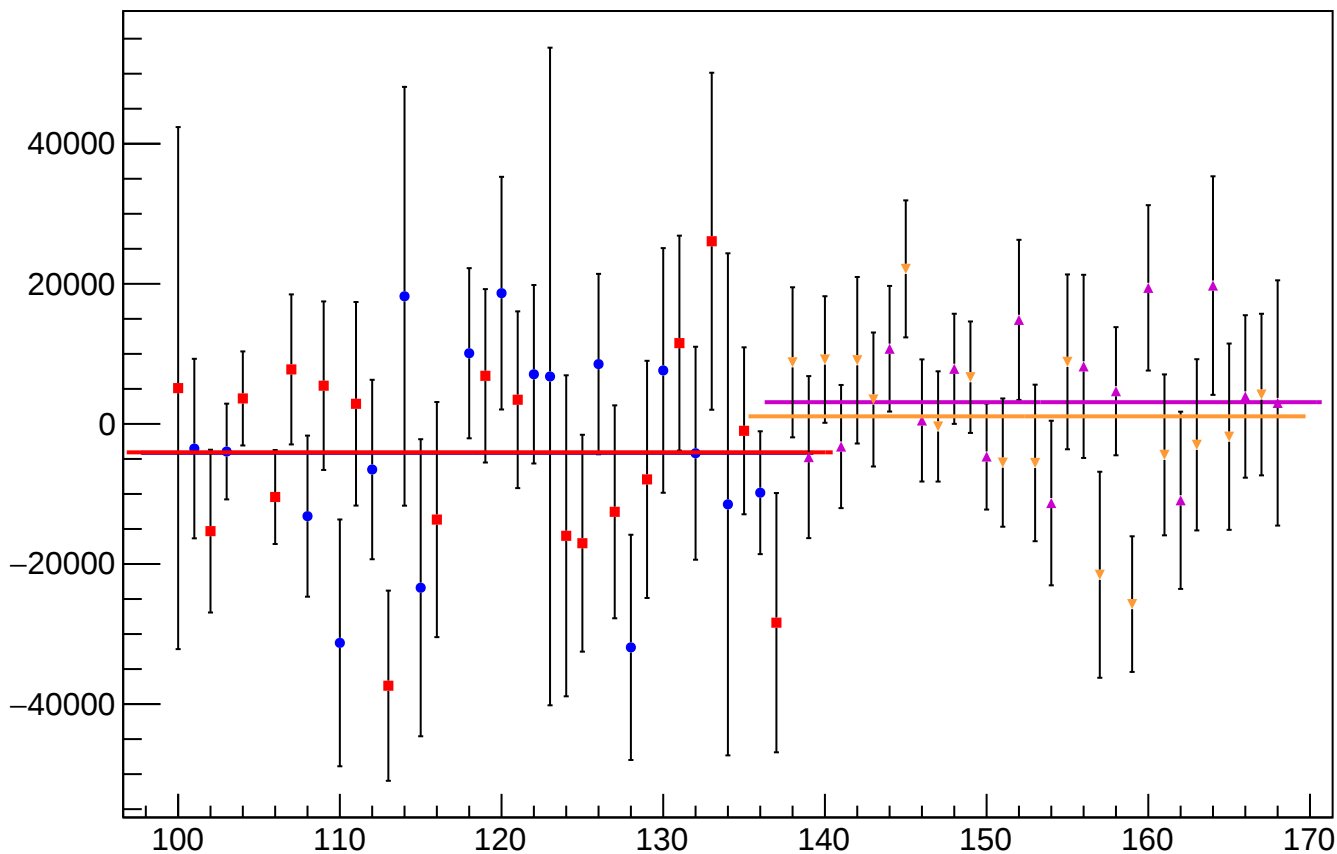
Right: 2514.058+/-0.492 χ^2/NDF : 1000433.0/35

In: 2561.496+/-0.426 χ^2/NDF : 596888.7/31

Out: 2544.968+/-0.417 χ^2/NDF : 540884.1/34

All: 2553.065+/-0.298 χ^2/NDF : 1138541.1/60

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -4126.319 ± 3227.044 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 1082.102 ± 2578.199 $\chi^2/\text{NDF}: 18.8/15$

Right Out: -4060.328 ± 2834.326 $\chi^2/\text{NDF}: 18.5/18$

Left In: 3102.010 ± 2667.574 $\chi^2/\text{NDF}: 10.2/14$

Left: 2057.652 ± 1853.853 $\chi^2/\text{NDF}: 29.3/30$

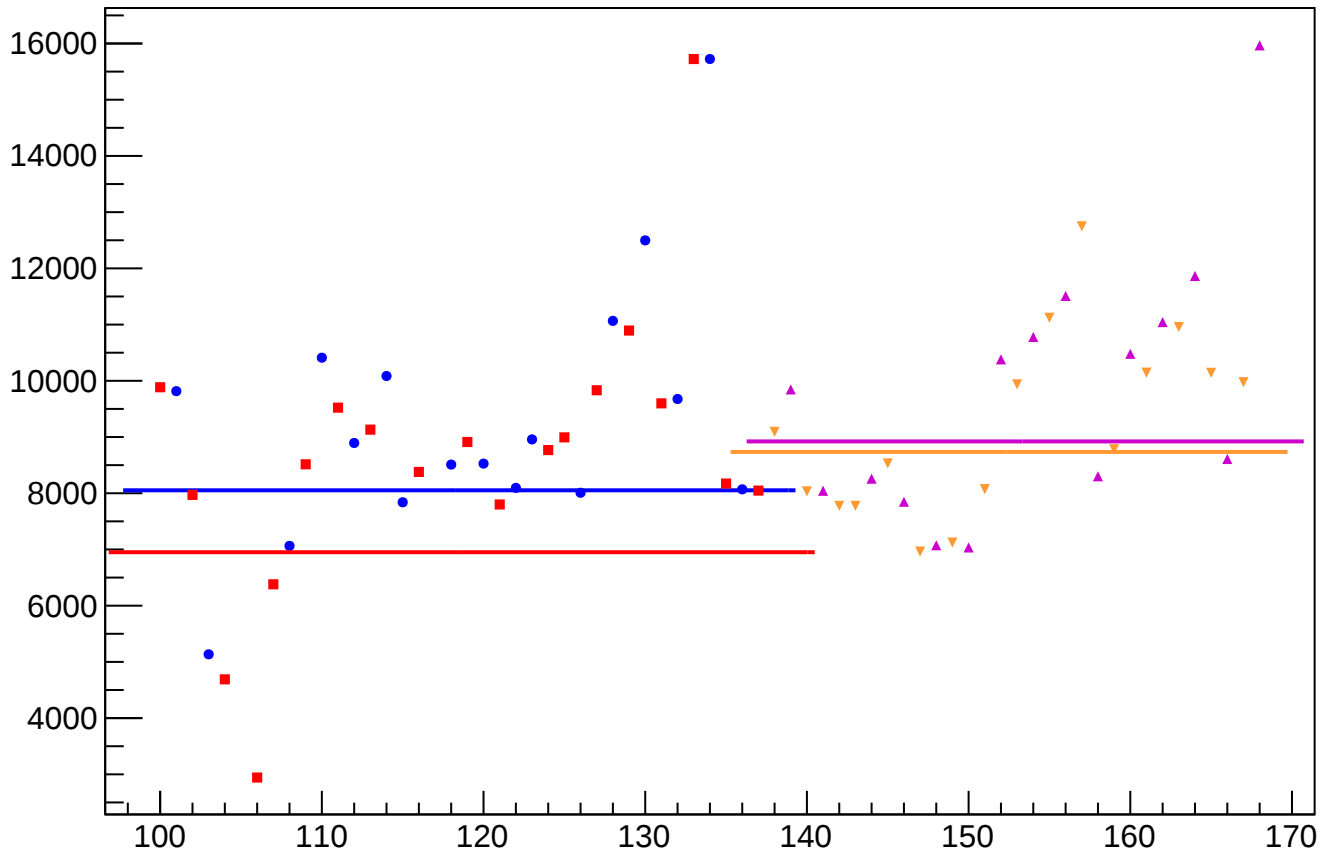
Right: -4089.066 ± 2129.557 $\chi^2/\text{NDF}: 31.9/35$

In: 167.775 ± 2056.048 $\chi^2/\text{NDF}: 26.6/31$

Out: -1246.310 ± 1907.197 $\chi^2/\text{NDF}: 39.1/34$

All: -592.303 ± 1398.256 $\chi^2/\text{NDF}: 65.9/66$

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8734.912 $\pm$ 1.823 χ^2 /NDF: 629274.3/15

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

Left In: 8921.975 $\pm$ 1.886 χ^2 /NDF: 965873.1/14

Left: 8825.257 $\pm$ 1.311 χ^2 /NDF: 1600232.4/30

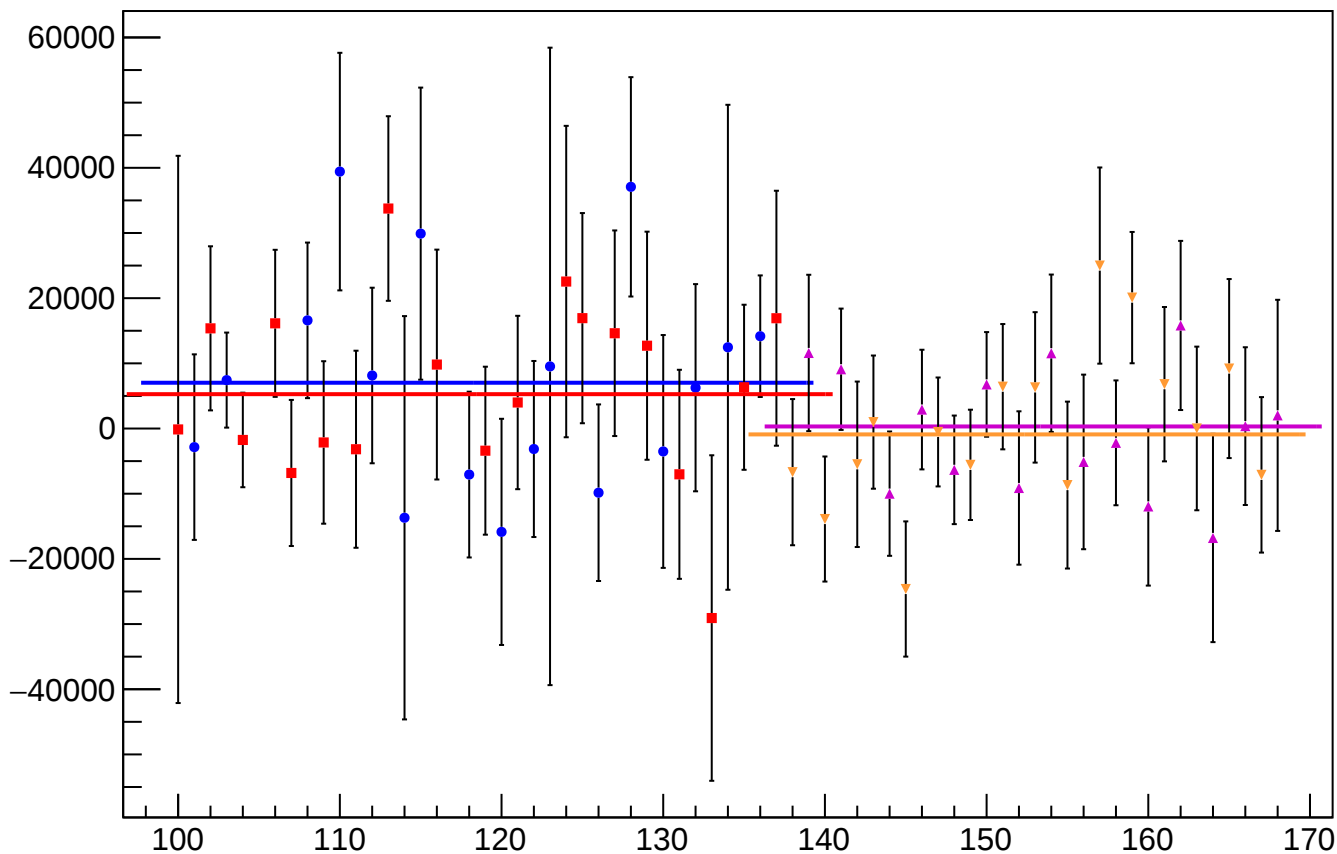
Right: 7430.673 $\pm$ 1.506 χ^2 /NDF: 2698872.2/35

In: 8569.045 $\pm$ 1.454 χ^2 /NDF: 1842838.7/31

Out: 7927.159 $\pm$ 1.349 χ^2 /NDF: 2839427.3/34

All: 8224.028 $\pm$ 0.989 χ^2 /NDF: 4787042.1/66

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -901.627+/-2704.748 χ^2/NDF : 17.7/15

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

Left In: 317.076+/-2789.700 χ^2/NDF : 9.7/14

Left: -311.114+/-1941.884 χ^2/NDF : 27.4/30

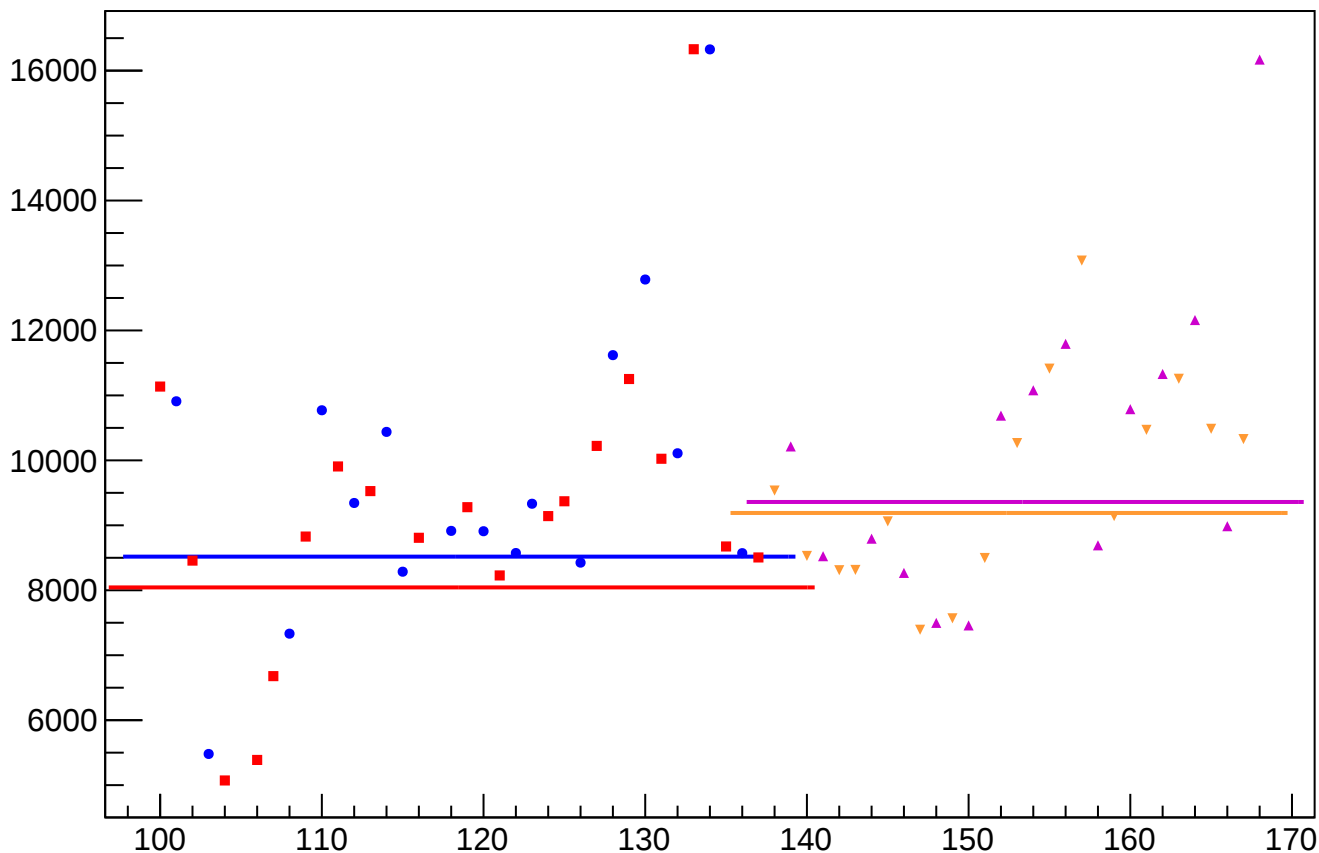
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 3007.183+/-2159.072 χ^2/NDF : 27.0/31

Out: 1700.939+/-2057.074 χ^2/NDF : 33.2/34

All: 2322.478+/-1489.325 χ^2/NDF : 60.4/66

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 9190.124 $\pm$ 1.913 χ^2/NDF : 537052.1/15

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

Left In: 9359.357 $\pm$ 1.973 χ^2/NDF : 847690.9/14

Left: 9272.124 $\pm$ 1.373 χ^2/NDF : 1388536.8/30

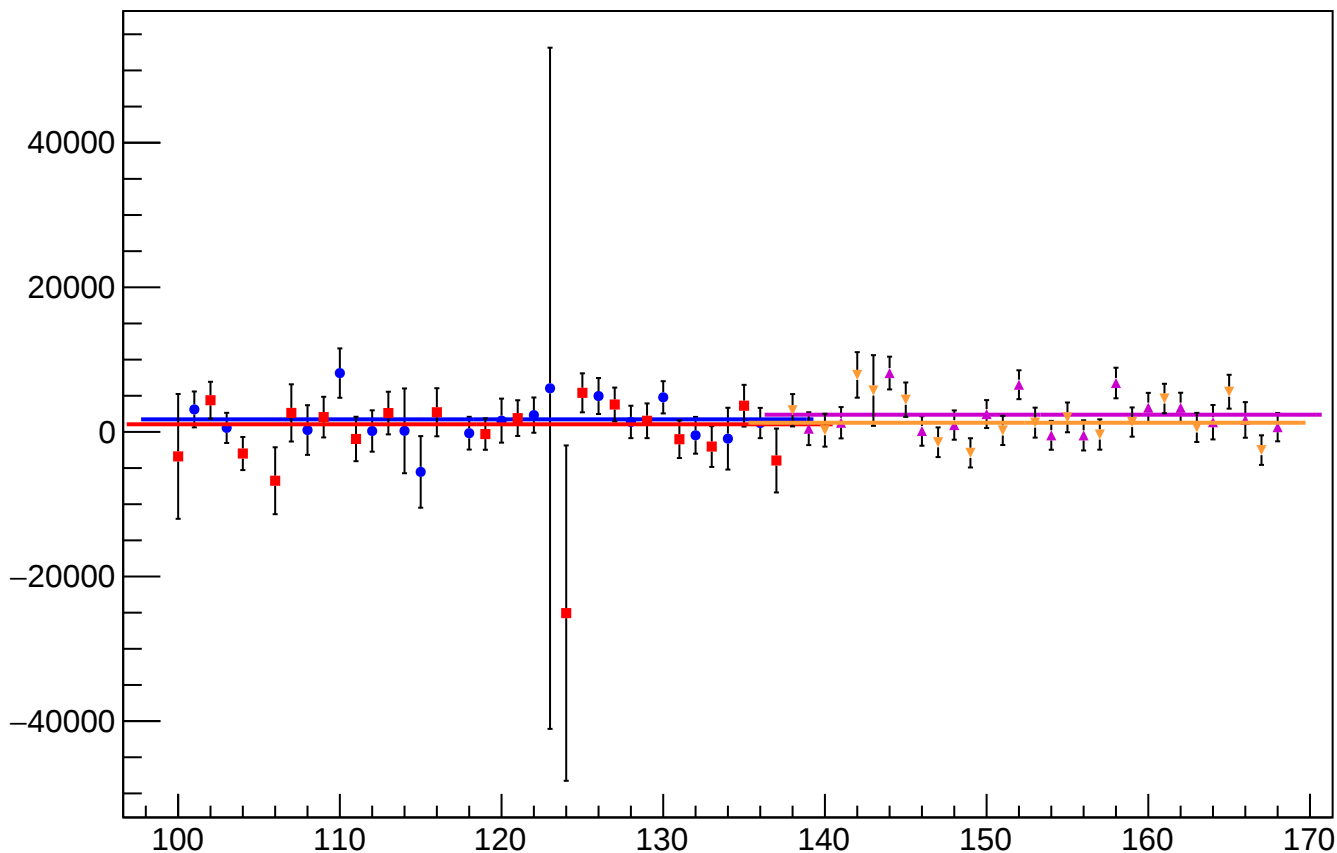
Right: 8263.573 $\pm$ 1.641 χ^2/NDF : 1736141.9/35

In: 9021.919 $\pm$ 1.527 χ^2/NDF : 1683943.0/31

Out: 8706.925 $\pm$ 1.455 χ^2/NDF : 1640581.0/34

All: 8856.803 $\pm$ 1.053 χ^2/NDF : 3346838.4/60

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1267.976+/-551.288 χ^2/NDF : 24.4/15

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

Left In: 2380.683+/-543.573 χ^2/NDF : 23.2/14

Left: 1832.171+/-387.063 χ^2/NDF : 49.7/30

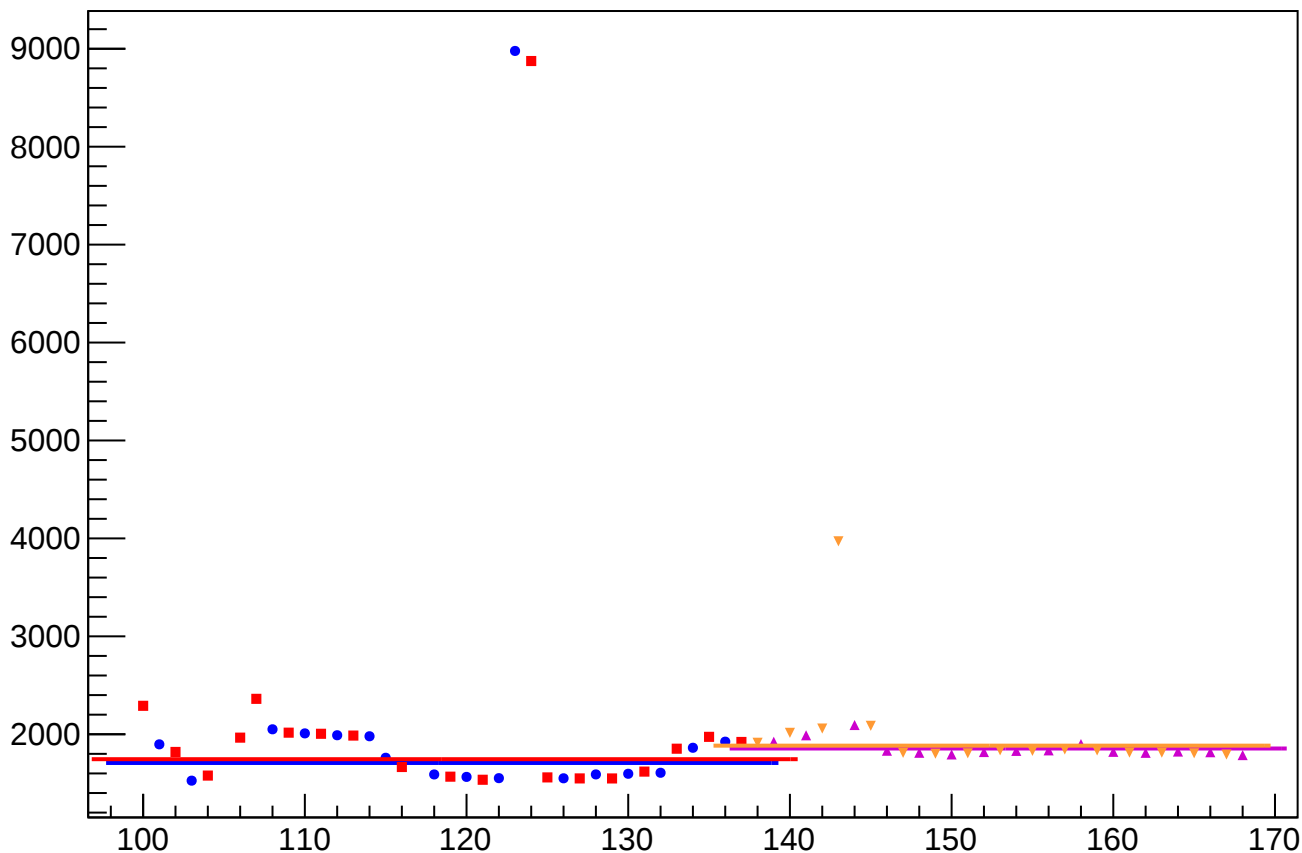
Right: 1397.913+/-474.249 χ^2/NDF : 31.8/35

In: 2126.408+/-422.220 χ^2/NDF : 36.2/31

Out: 1182.382+/-425.957 χ^2/NDF : 43.3/34

All: 1658.554+/-299.867 χ^2/NDF : 82.0/66

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1883.658+/-0.390 χ^2/NDF : 416466.7/15

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

Left In: 1854.521+/-0.384 χ^2/NDF : 41816.3/14

Left: 1868.884+/-0.274 χ^2/NDF : 461115.7/30

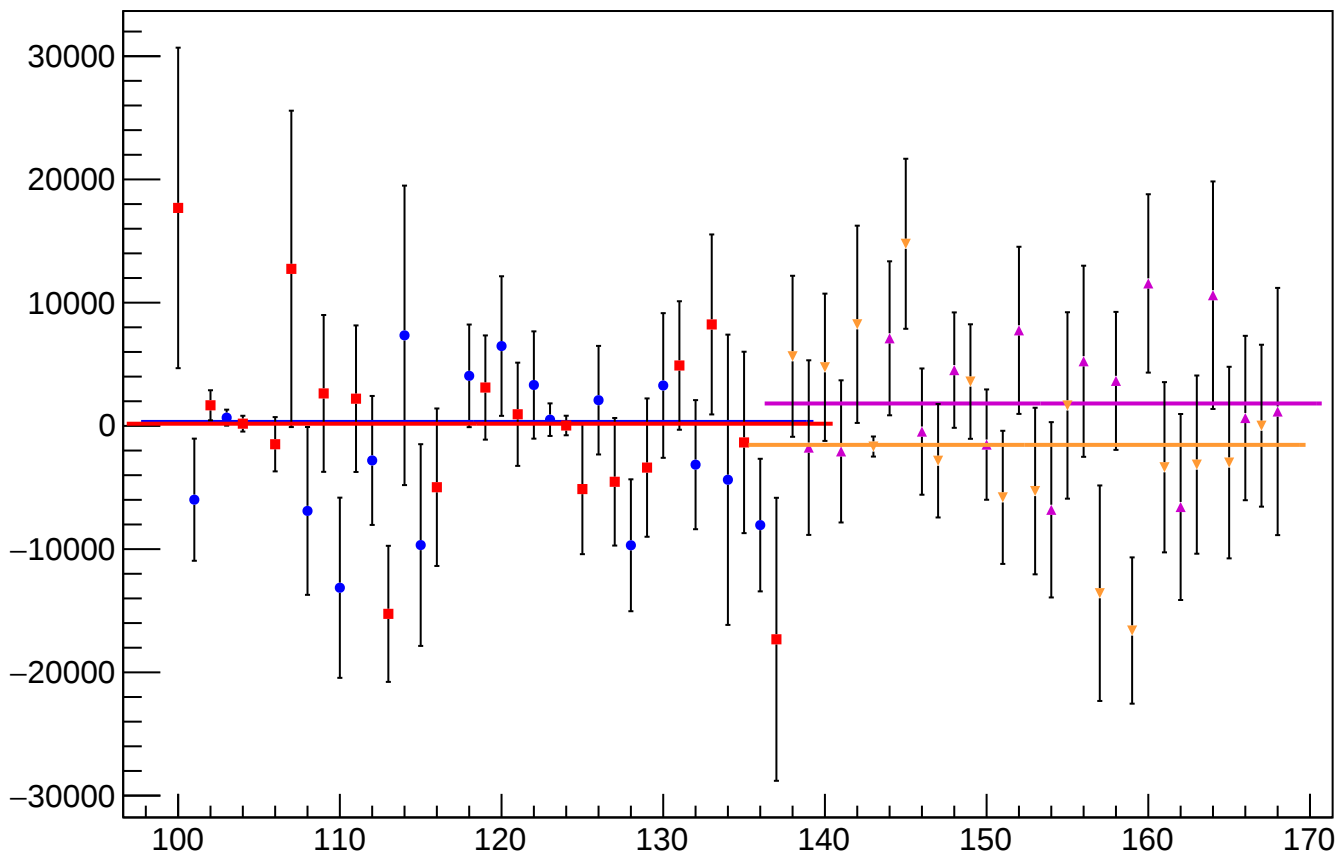
Right: 1726.220+/-0.335 χ^2/NDF : 600688.4/35

In: 1795.953+/-0.299 χ^2/NDF : 297907.7/31

Out: 1827.656+/-0.301 χ^2/NDF : 867218.5/34

All: 1811.694+/-0.212 χ^2/NDF : 1170724.8/66

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1539.850+/-728.733 χ^2/NDF : 20.4/15

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

Left In: 1818.904+/-1622.093 χ^2/NDF : 9.0/14

Left: -975.797+/-664.732 χ^2/NDF : 33.0/30

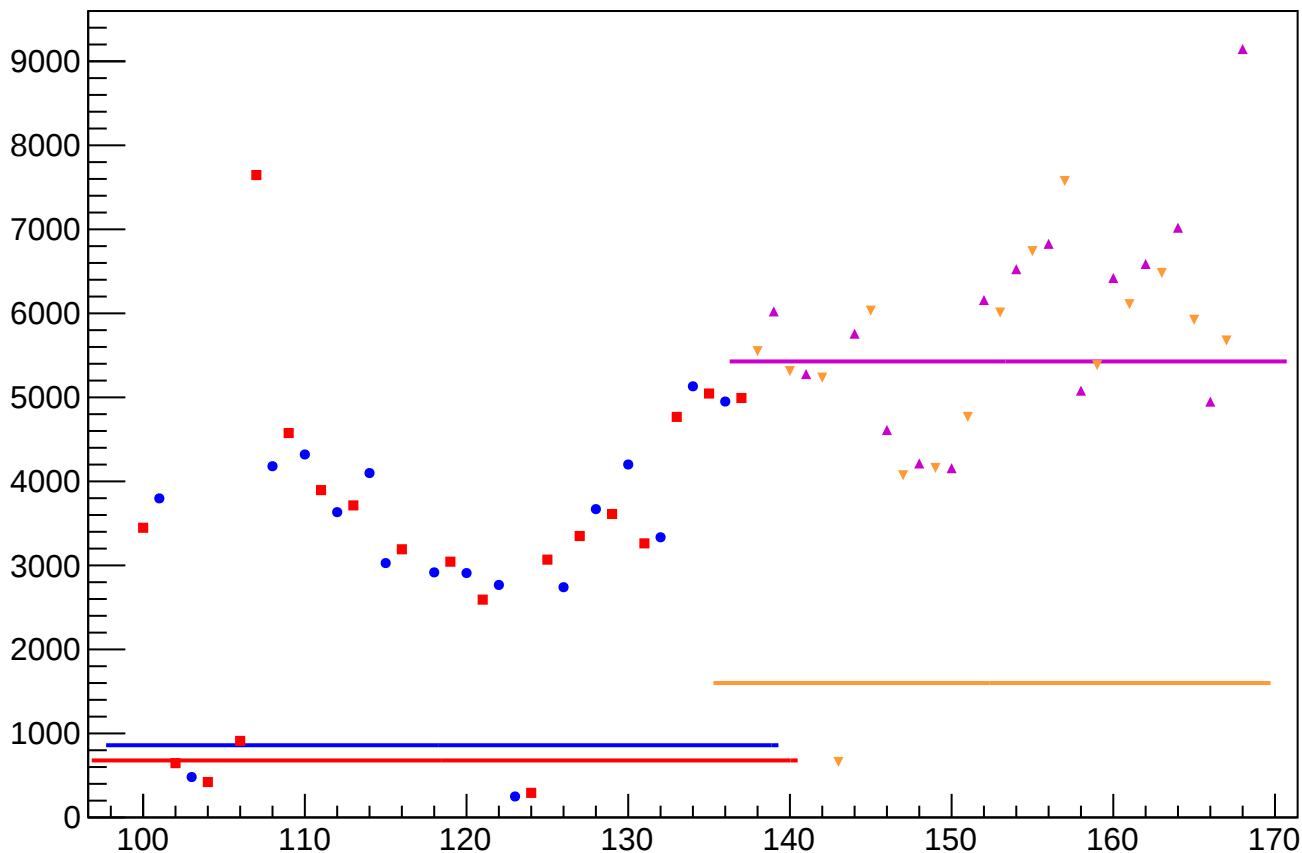
Right: 233.134+/-338.167 χ^2/NDF : 38.8/35

In: 470.543+/-512.683 χ^2/NDF : 27.8/31

Out: -272.088+/-372.597 χ^2/NDF : 45.2/34

All: -15.415+/-301.406 χ^2/NDF : 74.4/66

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1600.128 $\pm$ 0.515 χ^2 /NDF: 13947223.0/15

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

Left In: 5427.713 $\pm$ 1.147 χ^2 /NDF: 940741.2/14

Left: 2242.915 $\pm$ 0.470 χ^2 /NDF: 24153818.2/30

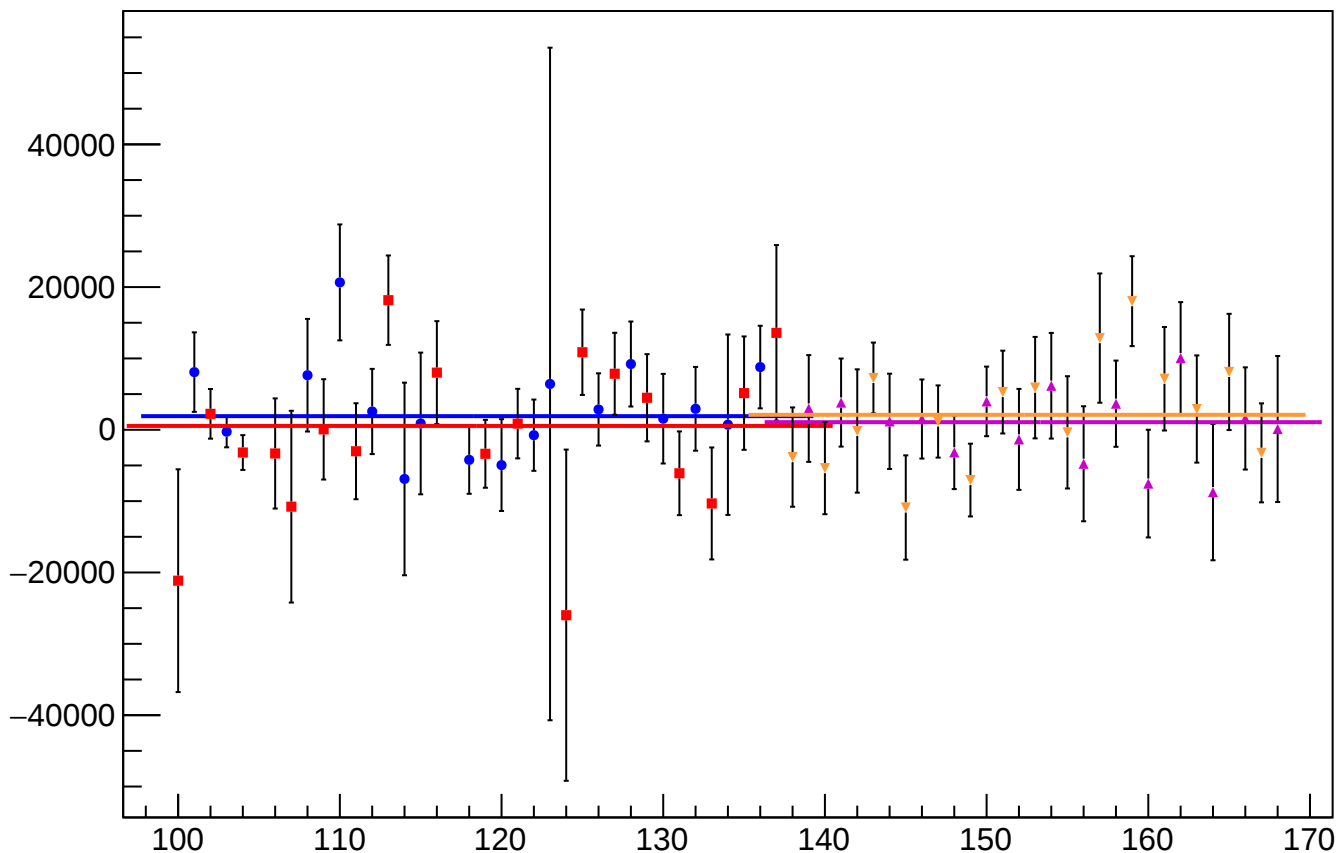
Right: 749.467 $\pm$ 0.239 χ^2 /NDF: 16664518.8/35

In: 1315.895 $\pm$ 0.363 χ^2 /NDF: 23361546.7/31

Out: 919.510 $\pm$ 0.263 χ^2 /NDF: 24694169.4/34

All: 1056.511 $\pm$ 0.213 χ^2 /NDF: 48838054.6/66

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 2096.962 $\pm$ 1642.924 χ^2 /NDF:19.7/15

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

Left In: 1068.184 $\pm$ 1731.093 χ^2 /NDF:6.3/14

Left: 1609.439 $\pm$ 1191.674 χ^2 /NDF: 26.2/30

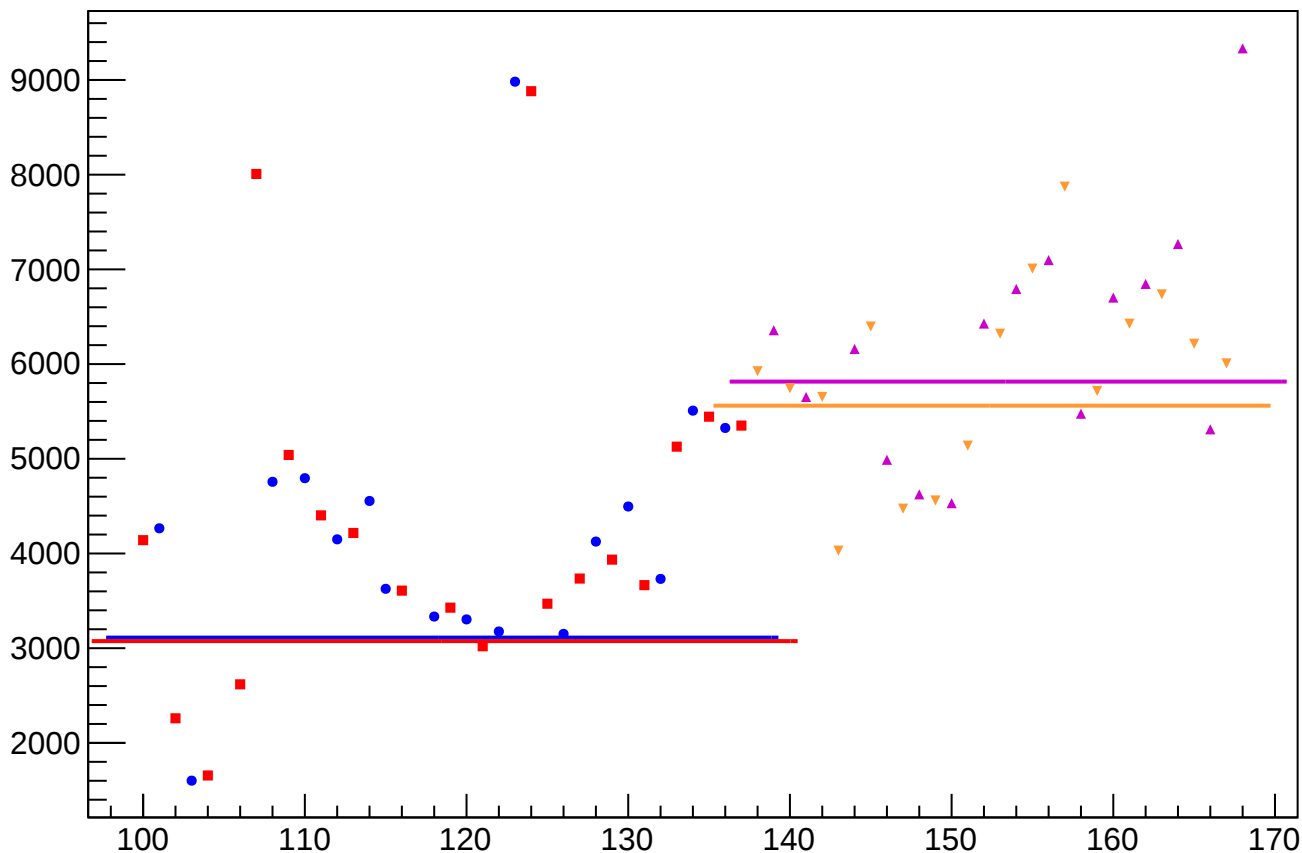
Right: 1211.574 $\pm$ 917.716 χ^2 /NDF: 41.6/35

In: 1602.984 $\pm$ 1044.718 χ^2 /NDF:21.0/31

Out: 1131.139 $\pm$ 1012.573 χ^2 /NDF:46.7/34

All: 1359.690 $\pm$ 727.096 χ^2 /NDF: 67.8/66

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5560.887+/-1.162 χ^2/NDF : 724648.5/15

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

Left In: 5815.001+/-1.224 χ^2/NDF : 768863.6/14

Left: 5681.308+/-0.843 χ^2/NDF : 1516186.0/30

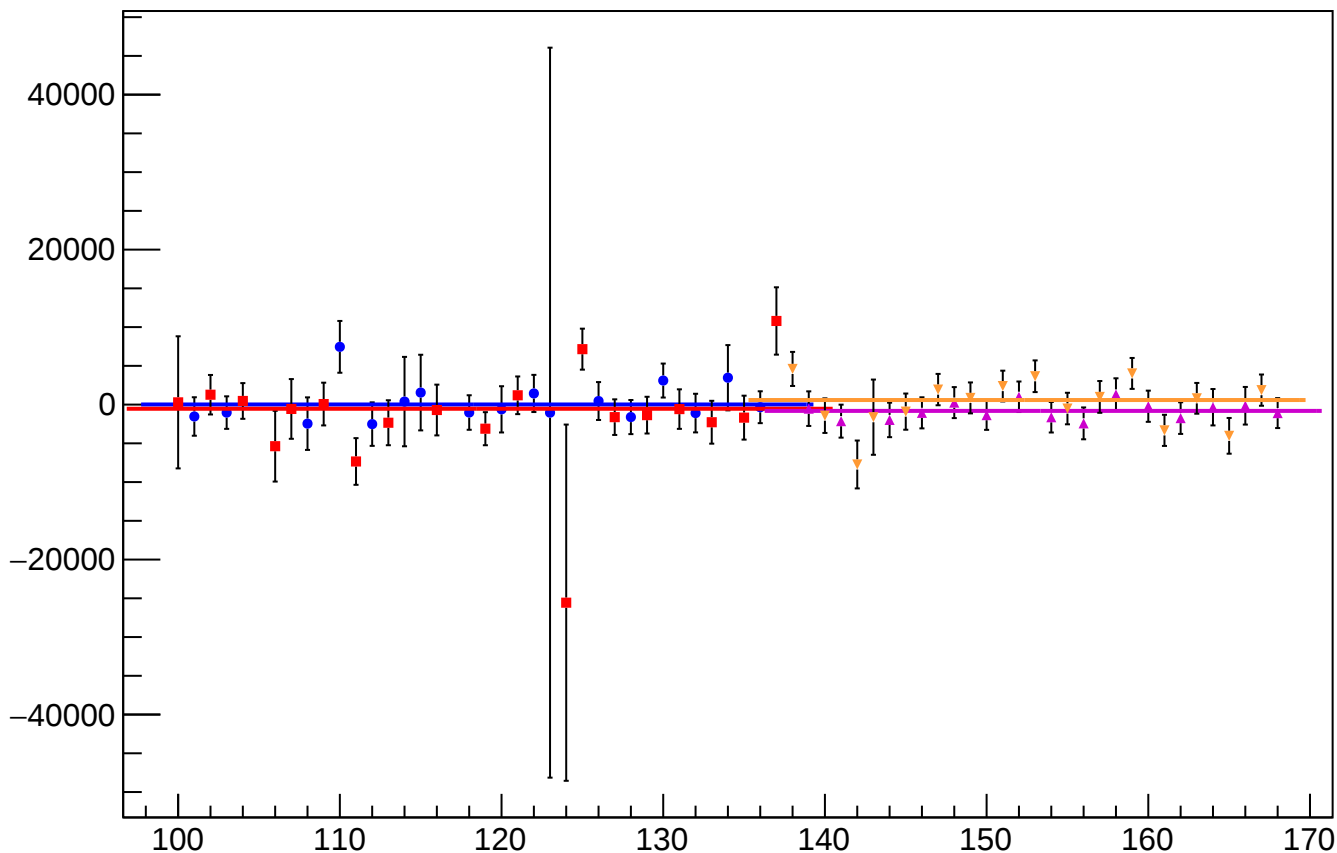
Right: 3092.680+/-0.644 χ^2/NDF : 3886012.7/35

In: 4096.355+/-0.739 χ^2/NDF : 5749052.5/31

Out: 4002.124+/-0.710 χ^2/NDF : 5601694.5/34

All: 4047.340+/-0.512 χ^2/NDF : 11359210.6/66

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118 ± 661.101 $\chi^2/\text{NDF}: 11.1/16$

Left Out: 588.788 ± 543.010 $\chi^2/\text{NDF}: 27.1/15$

Right Out: -537.476 ± 661.143 $\chi^2/\text{NDF}: 26.7/18$

Left In: -813.409 ± 535.609 $\chi^2/\text{NDF}: 4.2/14$

Left: -121.931 ± 381.322 $\chi^2/\text{NDF}: 34.6/30$

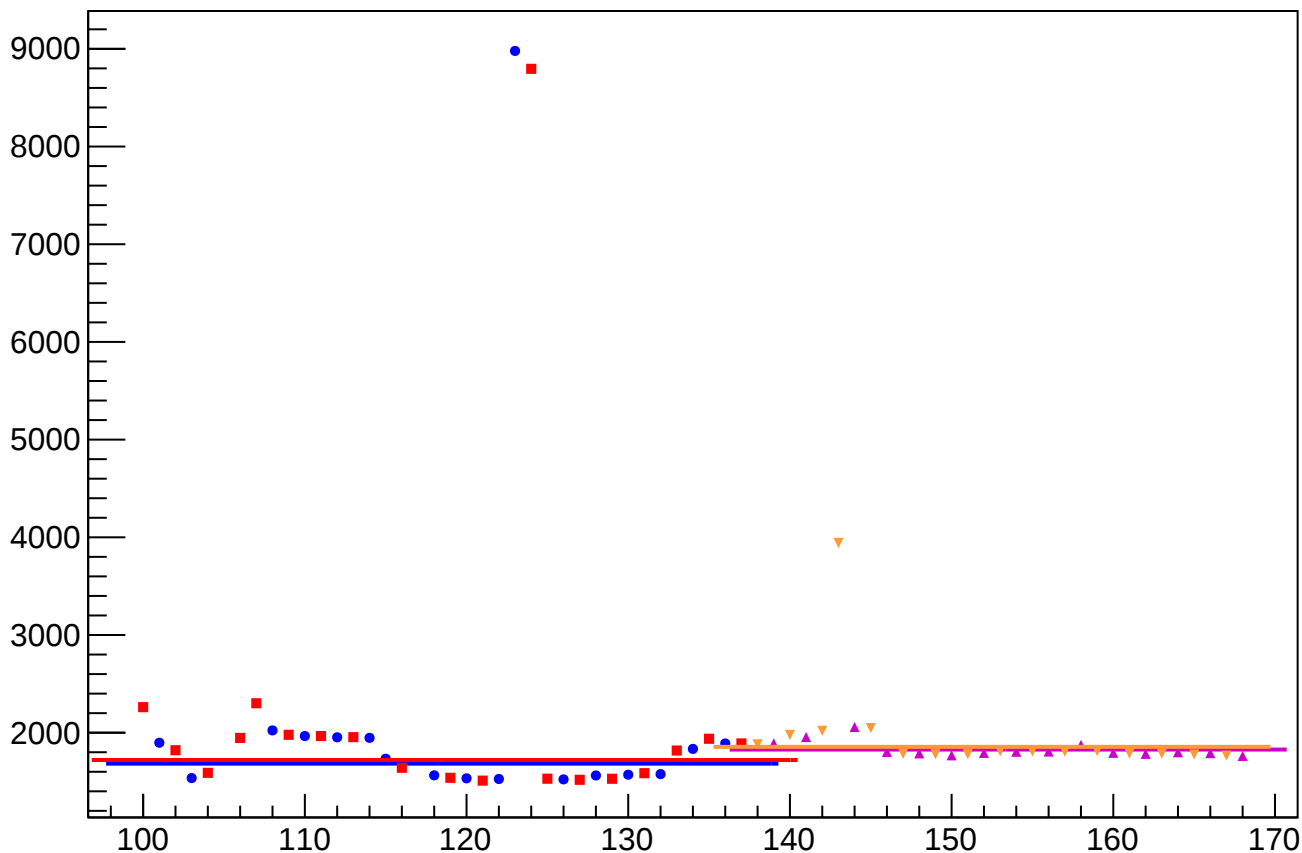
Right: -261.662 ± 467.484 $\chi^2/\text{NDF}: 38.1/35$

In: -485.480 ± 416.166 $\chi^2/\text{NDF}: 16.2/31$

Out: 135.094 ± 419.620 $\chi^2/\text{NDF}: 55.5/34$

All: -177.757 ± 295.488 $\chi^2/\text{NDF}: 72.8/66$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1855.288+/-0.384 χ^2/NDF : 418621.1/15

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

Left In: 1827.375+/-0.379 χ^2/NDF : 39923.0/14

Left: 1841.140+/-0.270 χ^2/NDF : 461222.8/30

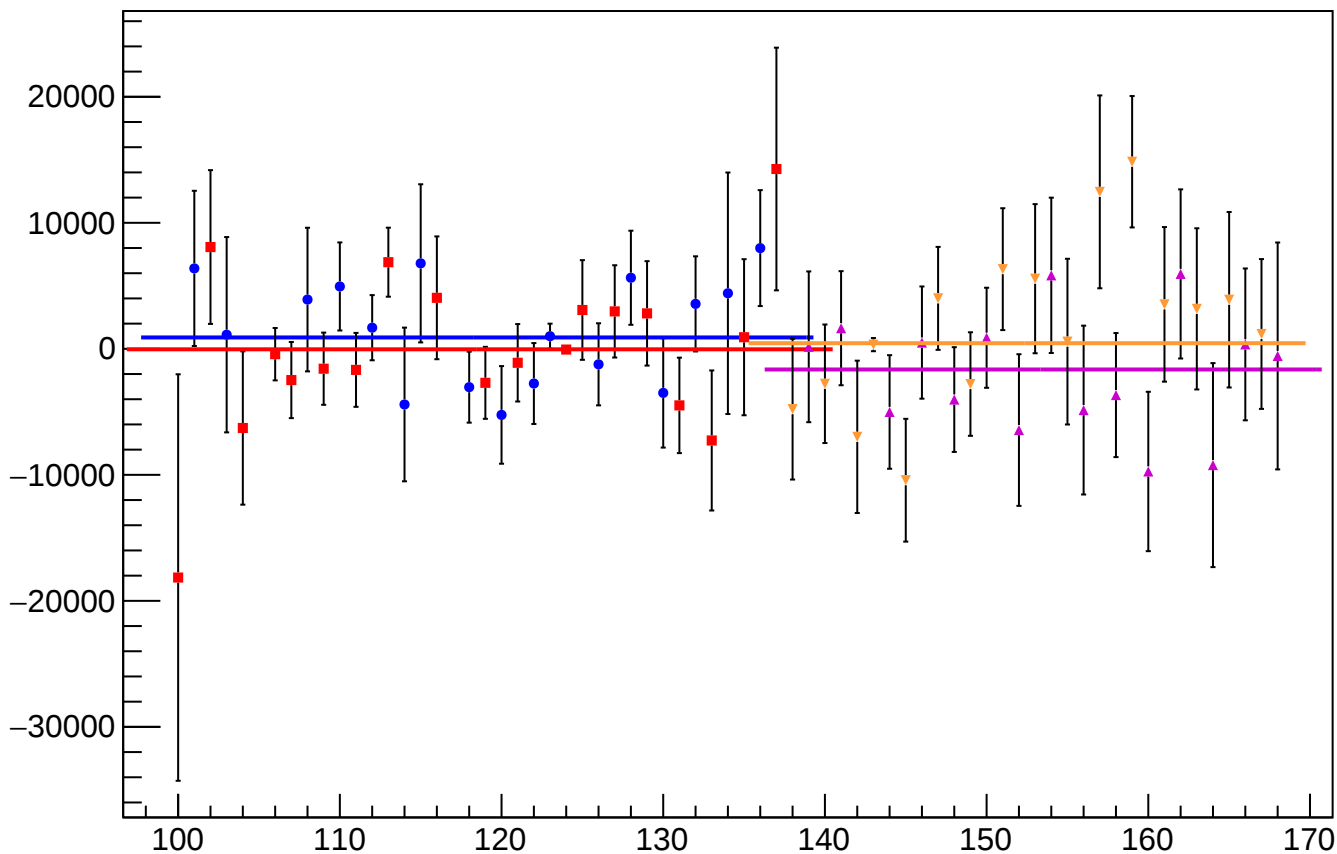
Right: 1701.898+/-0.330 χ^2/NDF : 595159.7/35

In: 1770.265+/-0.294 χ^2/NDF : 293196.1/31

Out: 1800.661+/-0.296 χ^2/NDF : 864708.7/34

All: 1785.364+/-0.209 χ^2/NDF : 1163204.6/66

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 447.890 $\pm$ 489.264 χ^2/NDF : 22.3/15

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

Left In: -1638.975 $\pm$ 1389.963 χ^2/NDF : 8.6/14

Left: 217.827 $\pm$ 461.508 χ^2/NDF : 32.8/30

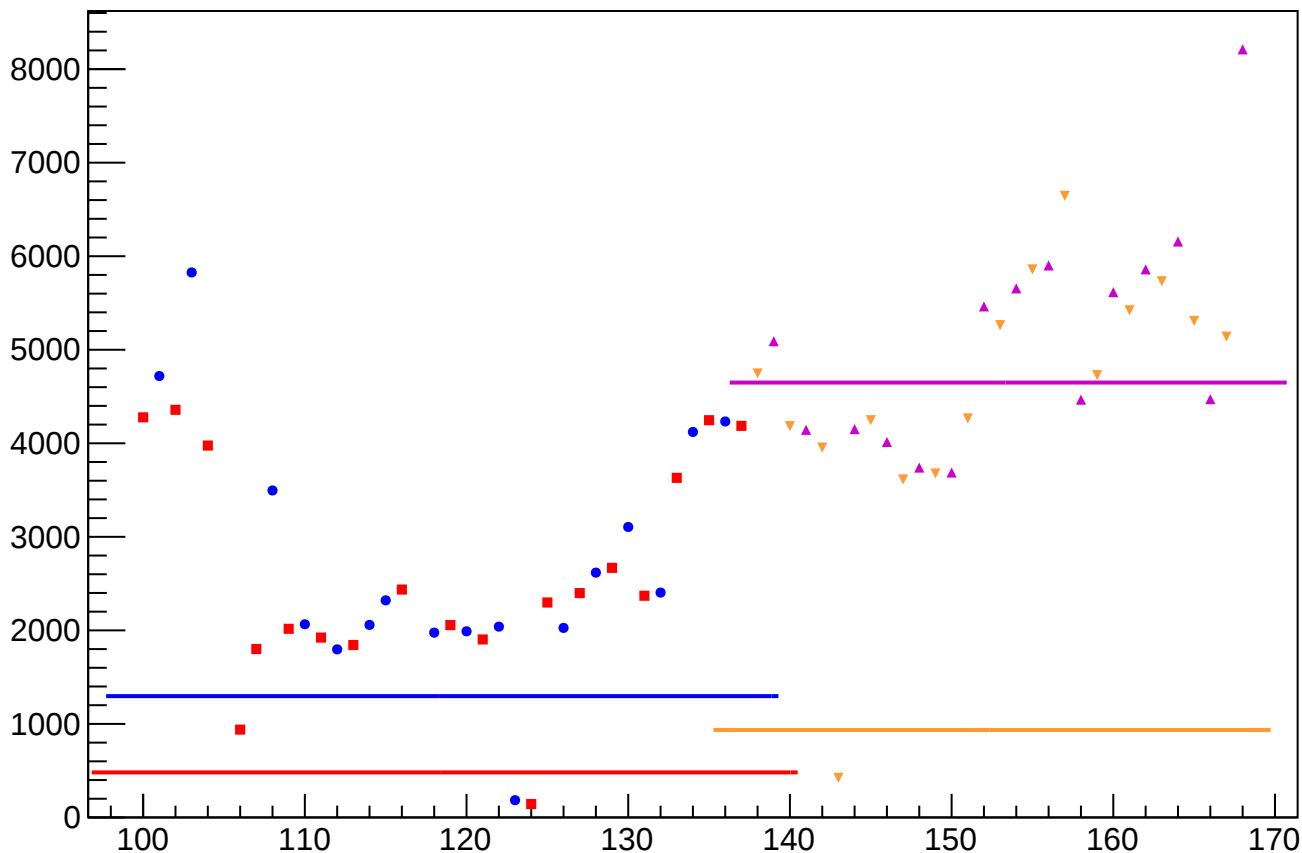
Right: 153.912 $\pm$ 318.670 χ^2/NDF : 37.9/35

In: 382.474 $\pm$ 629.148 χ^2/NDF : 27.2/31

Out: 130.831 $\pm$ 288.483 χ^2/NDF : 43.4/34

All: 174.547 $\pm$ 262.230 χ^2/NDF : 70.8/66

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1297.005 $\pm$ 0.499 χ^2 /NDF: 6509608.5/16

Left Out: 935.378 $\pm$ 0.346 χ^2 /NDF: 16277691.1/15

Right Out: 481.577 $\pm$ 0.253 χ^2 /NDF: 10144170.1/18

Left In: 4649.339 $\pm$ 0.983 χ^2 /NDF: 972275.1/14

Left: 1344.816 $\pm$ 0.326 χ^2 /NDF: 29954814.4/30

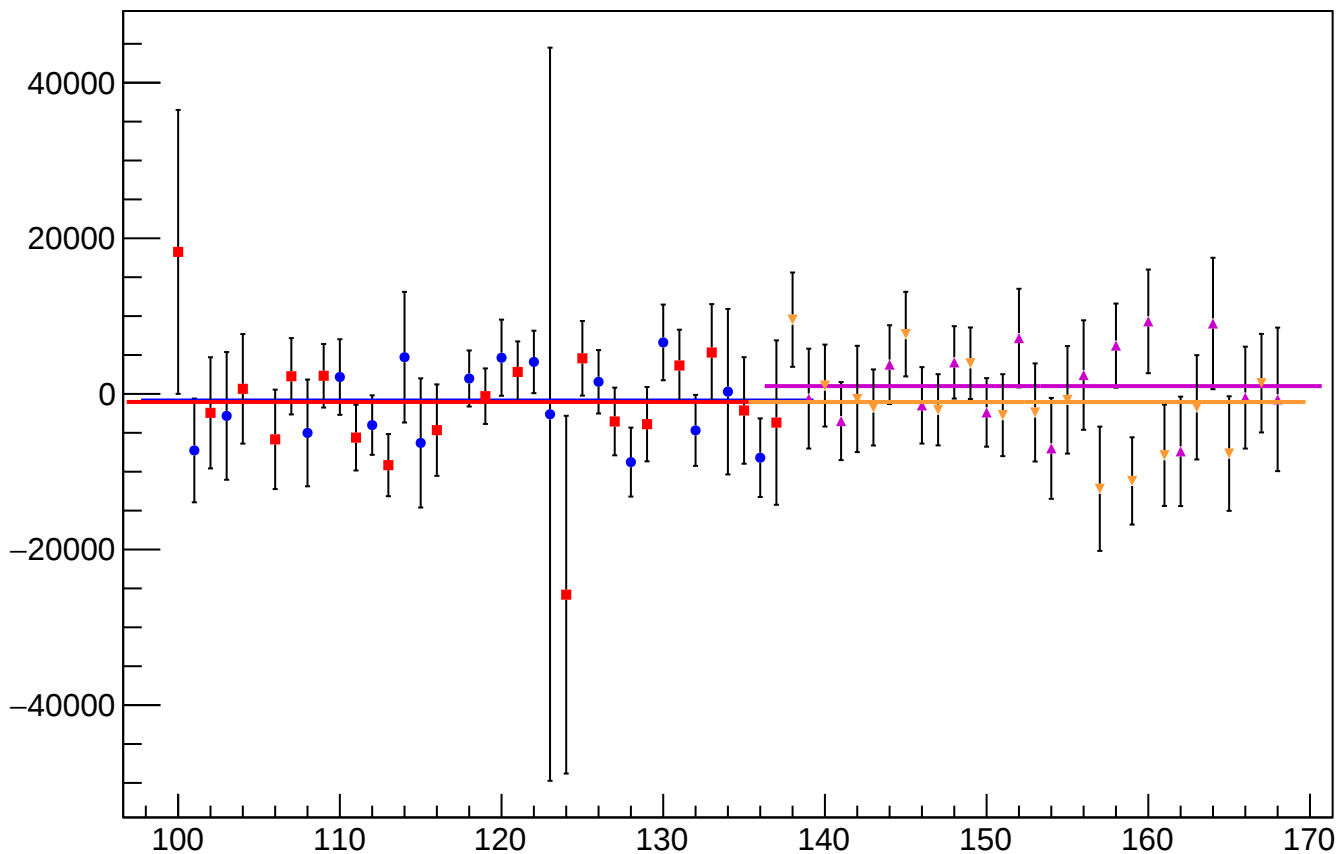
Right: 647.917 $\pm$ 0.225 χ^2 /NDF: 18780181.6/35

In: 1983.830 $\pm$ 0.445 χ^2 /NDF: 16732077.2/31

Out: 639.345 $\pm$ 0.204 χ^2 /NDF: 27544264.4/34

All: 872.914 $\pm$ 0.185 χ^2 /NDF: 51823116.2/60

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -849.372 ± 1261.026 $\chi^2/\text{NDF}: 15.4/16$

Left Out: -1036.908 ± 1451.984 $\chi^2/\text{NDF}: 14.5/15$

Right Out: -1033.205 ± 1190.714 $\chi^2/\text{NDF}: 15.0/18$

Left In: 1003.181 ± 1512.481 $\chi^2/\text{NDF}: 9.9/14$

Left: -58.479 ± 1047.442 $\chi^2/\text{NDF}: 25.3/30$

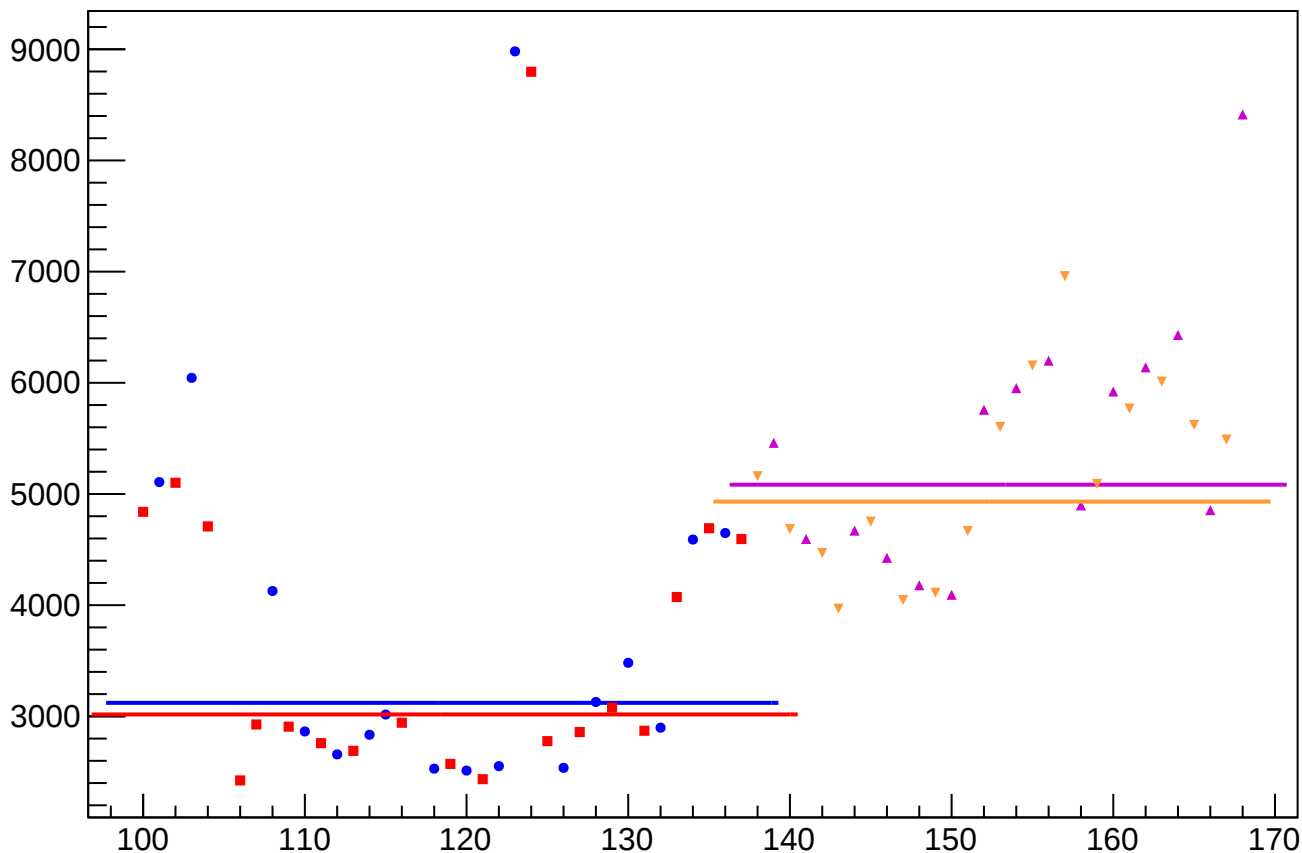
Right: -946.556 ± 865.752 $\chi^2/\text{NDF}: 30.4/35$

In: -89.684 ± 968.550 $\chi^2/\text{NDF}: 26.2/31$

Out: -1034.694 ± 920.714 $\chi^2/\text{NDF}: 29.5/34$

All: -586.102 ± 667.313 $\chi^2/\text{NDF}: 56.1/66$

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4931.492+/-1.027 χ^2/NDF : 573840.1/15

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

Left In: 5083.835+/-1.069 χ^2/NDF : 753298.3/14

Left: 5004.556+/-0.741 χ^2/NDF : 1337697.7/30

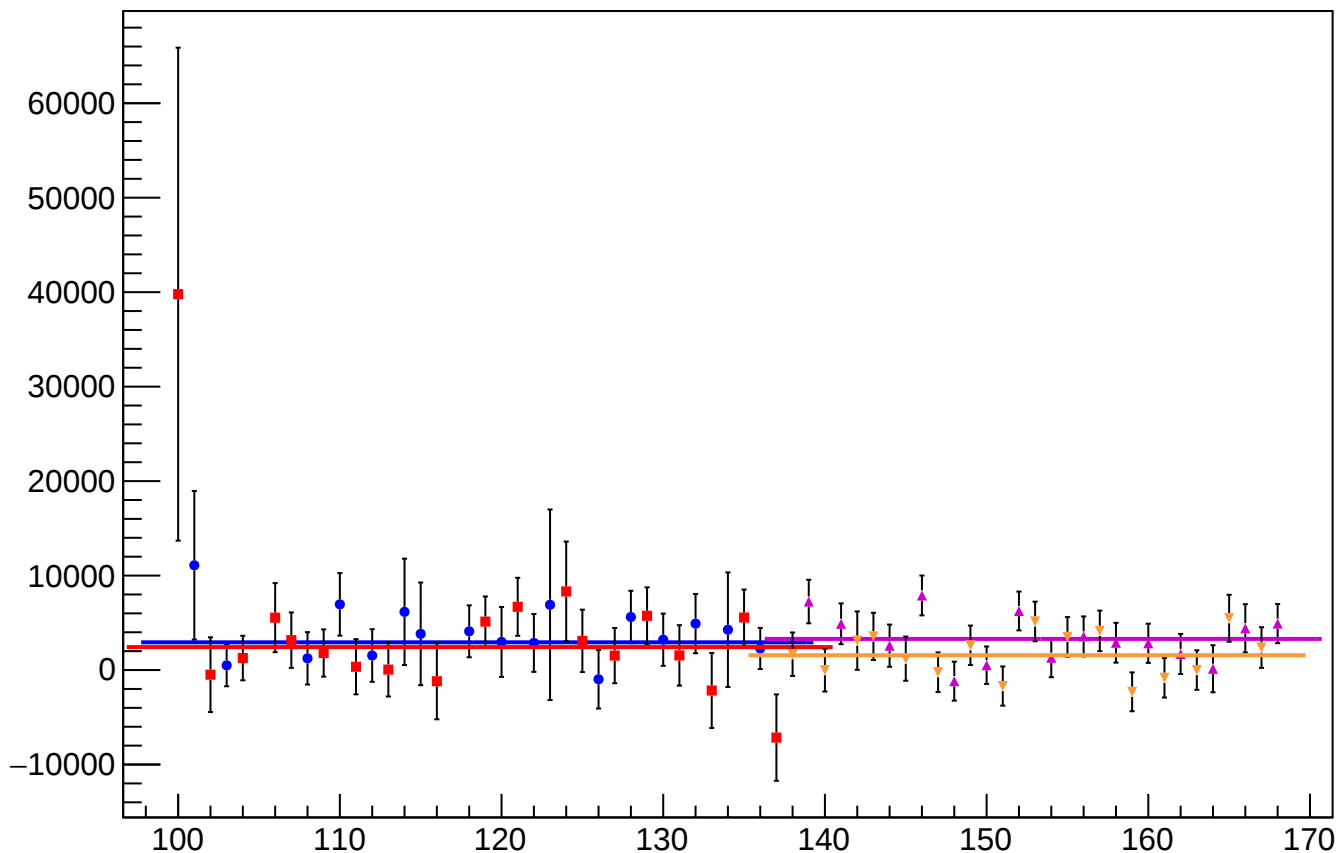
Right: 3065.680+/-0.608 χ^2/NDF : 1745010.6/35

In: 3926.153+/-0.685 χ^2/NDF : 3685244.6/31

Out: 3775.432+/-0.646 χ^2/NDF : 3465220.0/34

All: 3846.413+/-0.470 χ^2/NDF : 7176087.9/66

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1569.575+/-553.135 χ^2/NDF : 18.1/15

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

Left In: 3296.756+/-555.467 χ^2/NDF : 21.1/14

Left: 2429.533+/-391.948 χ^2/NDF : 44.1/30

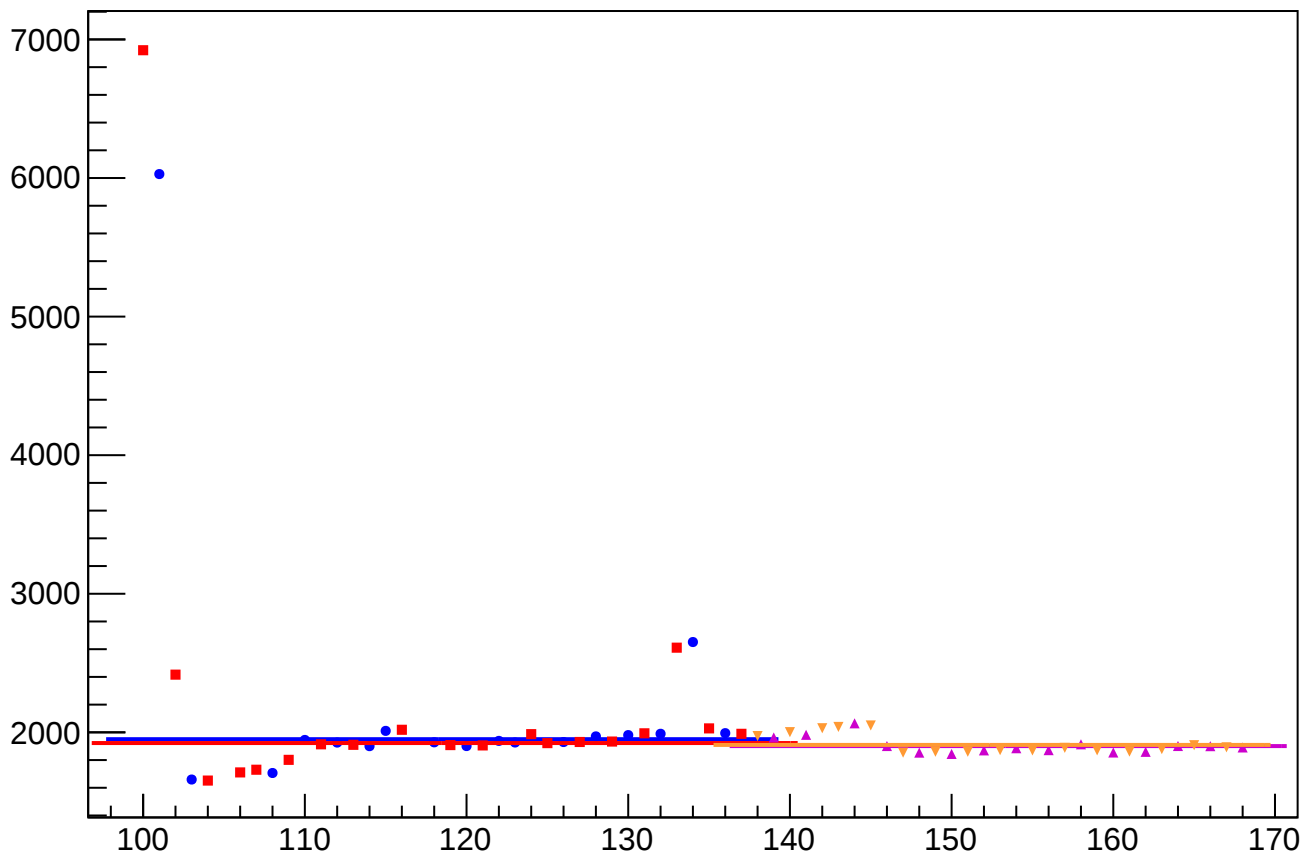
Right: 2672.699+/-535.482 χ^2/NDF : 26.5/35

In: 3174.344+/-451.551 χ^2/NDF : 29.4/31

Out: 1878.760+/-443.133 χ^2/NDF : 37.2/34

All: 2514.362+/-316.277 χ^2/NDF : 70.8/66

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1909.251 $\pm$ 0.391 χ^2 /NDF:28114.8/15

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

Left In: 1900.830 $\pm$ 0.393 χ^2 /NDF:20589.8/14

Left: 1905.058 $\pm$ 0.277 χ^2 /NDF: 48935.4/30

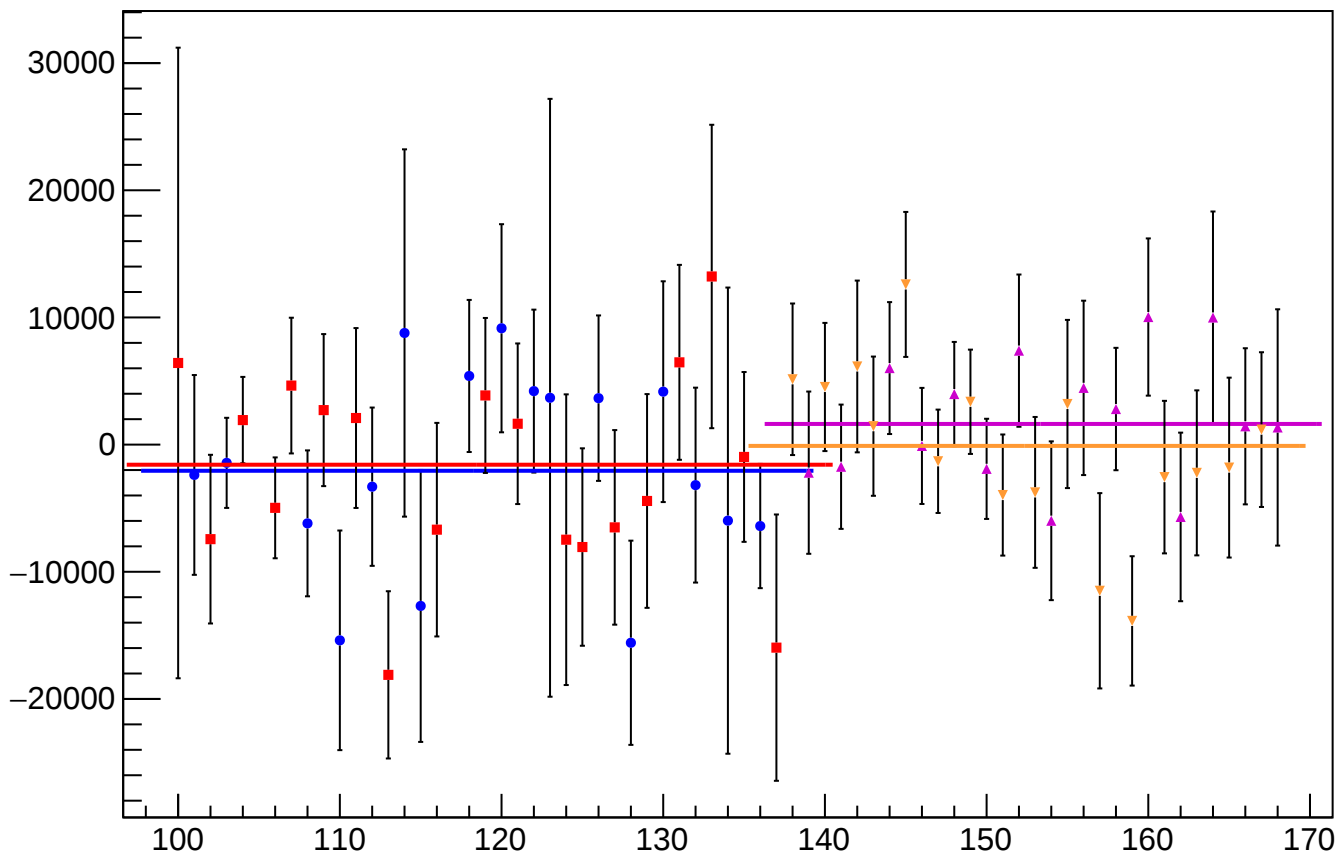
Right: 1936.009 $\pm$ 0.378 χ^2 /NDF: 836086.0/35

In: 1917.715 $\pm$ 0.319 χ^2 /NDF:643370.8/31

Out: 1914.101 $\pm$ 0.313 χ^2 /NDF:245942.9/34

All: 1915.873 $\pm$ 0.224 χ^2 /NDF: 889379.0/66

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -101.140 $\pm$ 1382.556 χ^2 /NDF:19.5/15

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

Left In: 1624.956 $\pm$ 1421.266 χ^2 /NDF:9.5/14

Left: 738.082 $\pm$ 991.017 χ^2 /NDF: 29.8/30

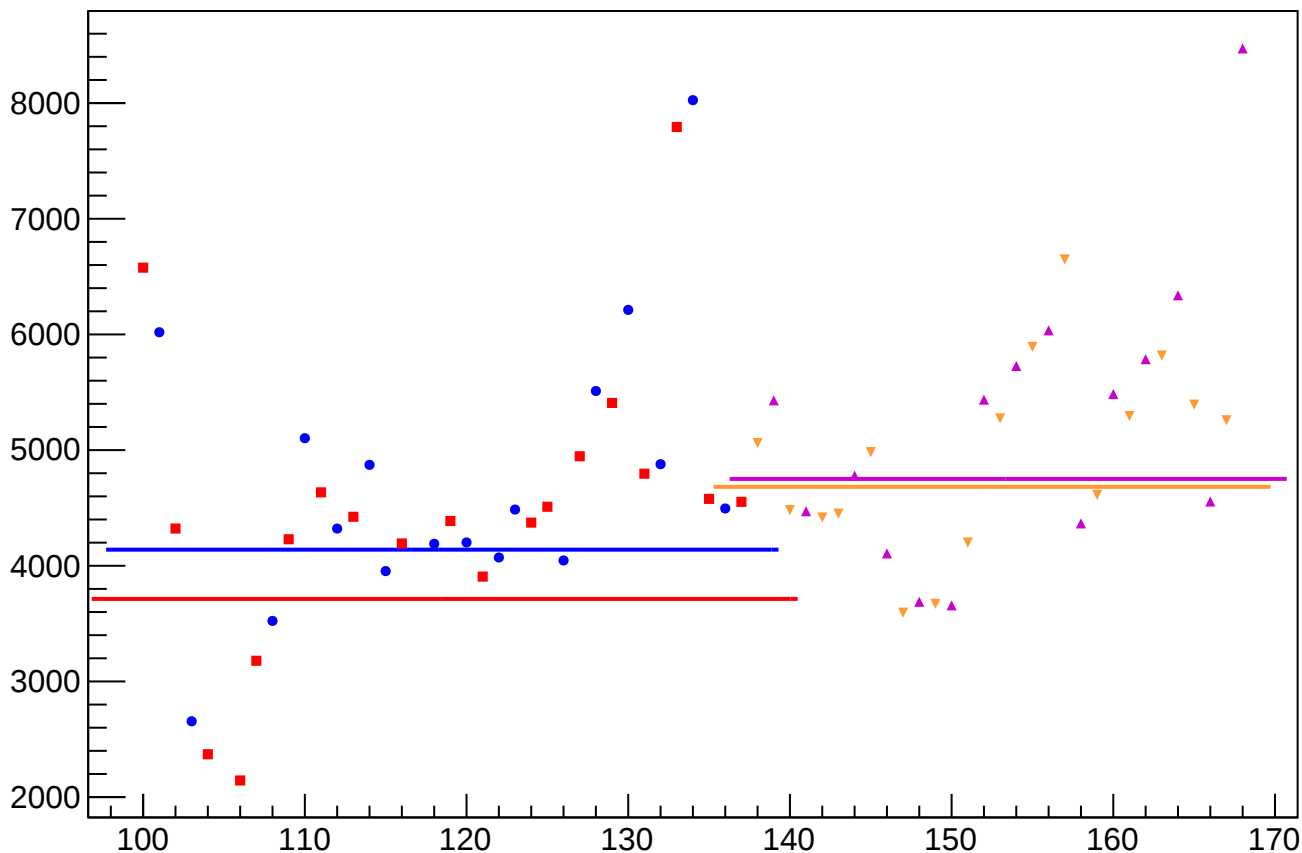
Right: -1791.026 $\pm$ 1103.932 χ^2 /NDF: 32.6/35

In: 68.770 $\pm$ 1079.913 χ^2 /NDF:26.3/31

Out: -791.913 $\pm$ 1009.482 χ^2 /NDF:38.6/34

All: -390.551 $\pm$ 737.454 χ^2 /NDF: 65.3/66

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4682.525+/-0.978 χ^2/NDF : 647396.7/15

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

Left In: 4750.828+/-1.005 χ^2/NDF : 987825.3/14

Left: 4715.733+/-0.701 χ^2/NDF : 1637595.3/30

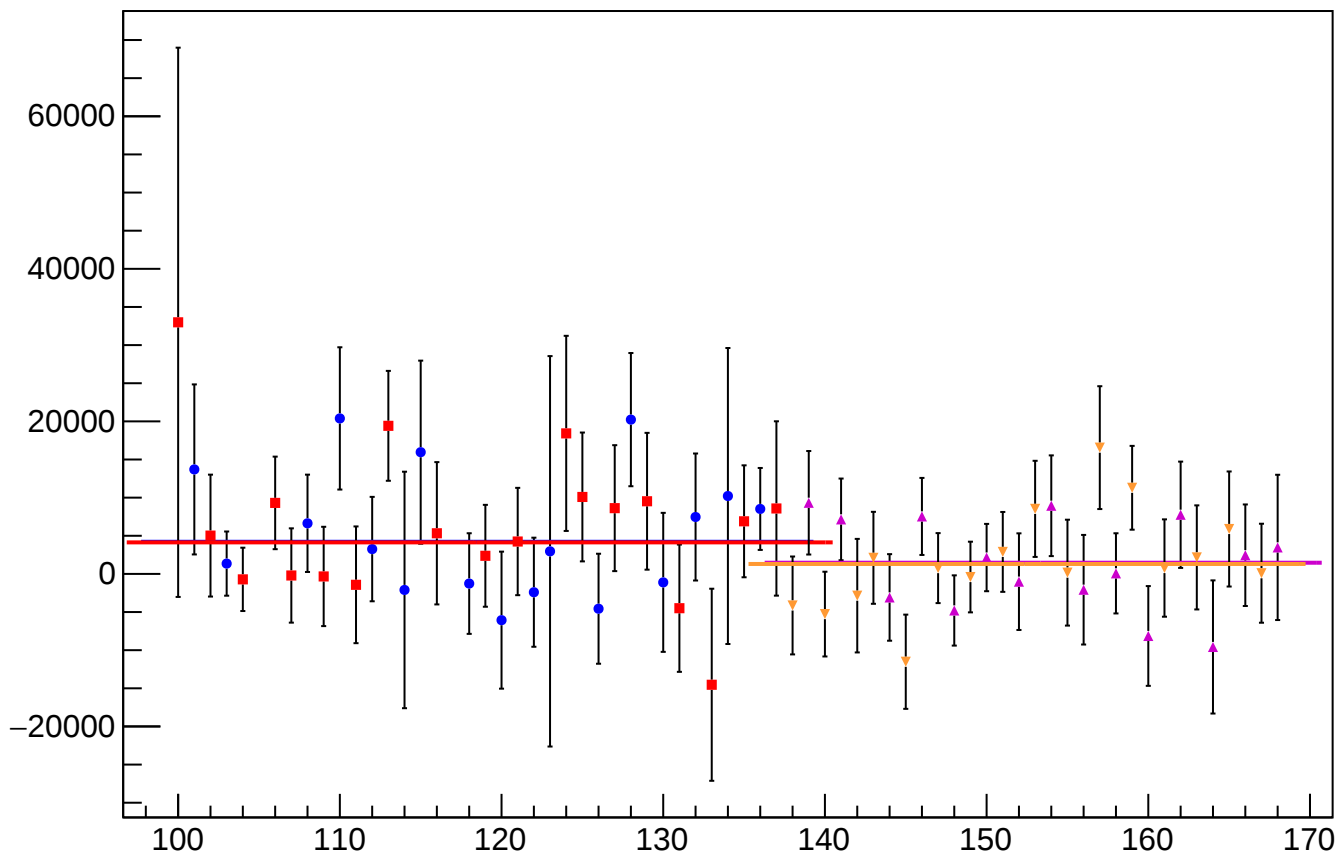
Right: 3901.622+/-0.781 χ^2/NDF : 2162777.5/35

In: 4492.395+/-0.764 χ^2/NDF : 1957826.1/31

Out: 4230.126+/-0.714 χ^2/NDF : 2381904.5/34

All: 4352.430+/-0.521 χ^2/NDF : 4402684.0/66

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1303.406+/-1506.194 χ^2/NDF : 15.7/15

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

Left In: 1466.818+/-1544.040 χ^2/NDF : 12.8/14

Left: 1383.084+/-1078.171 χ^2/NDF : 28.5/30

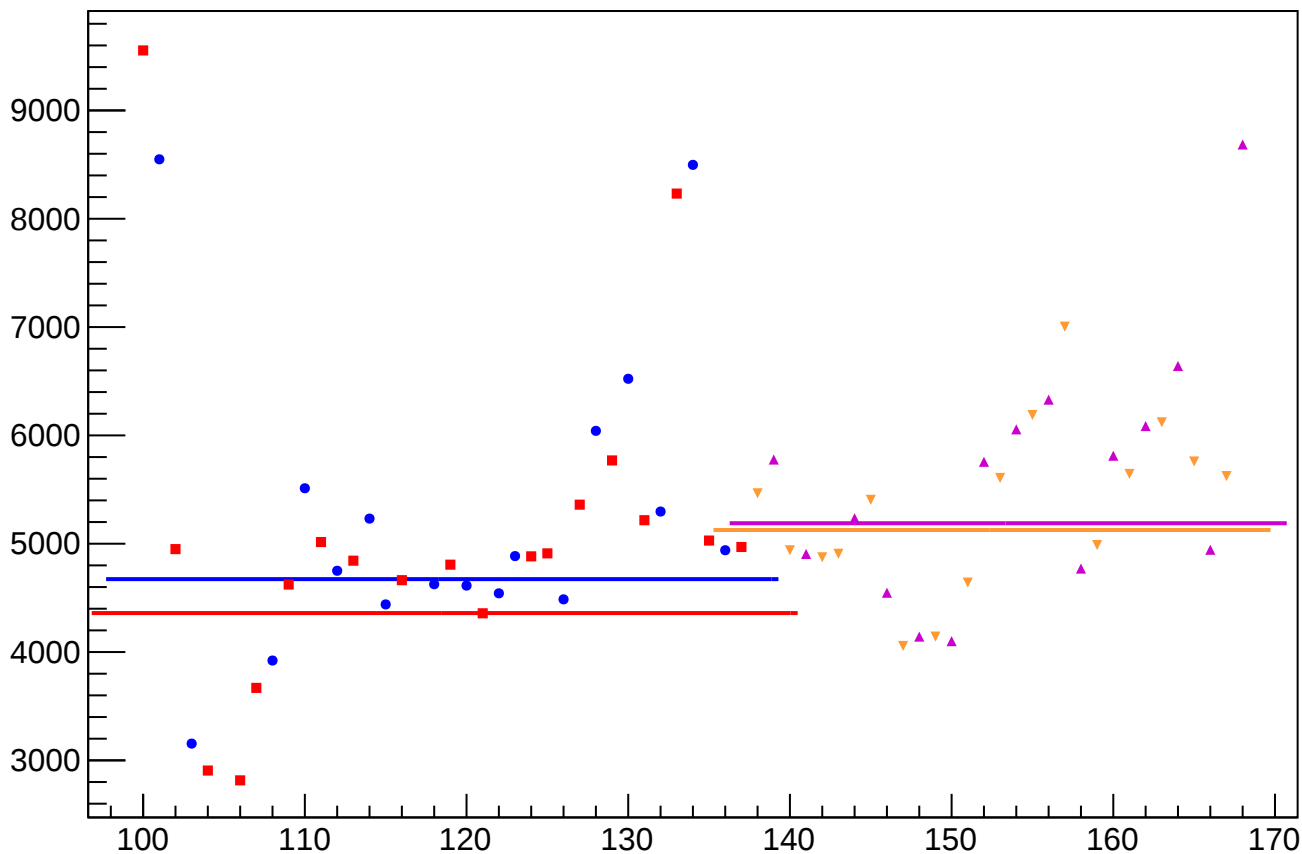
Right: 4169.584+/-1268.468 χ^2/NDF : 29.2/35

In: 2578.690+/-1190.964 χ^2/NDF : 28.5/31

Out: 2527.478+/-1134.660 χ^2/NDF : 32.0/34

All: 2551.845+/-821.510 χ^2/NDF : 60.5/66

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 5126.488 $\pm$ 1.065 χ^2 /NDF: 482862.3/15

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

Left In: 5189.263 $\pm$ 1.092 χ^2 /NDF: 770469.6/14

Left: 5157.096 $\pm$ 0.762 χ^2 /NDF: 1255025.8/30

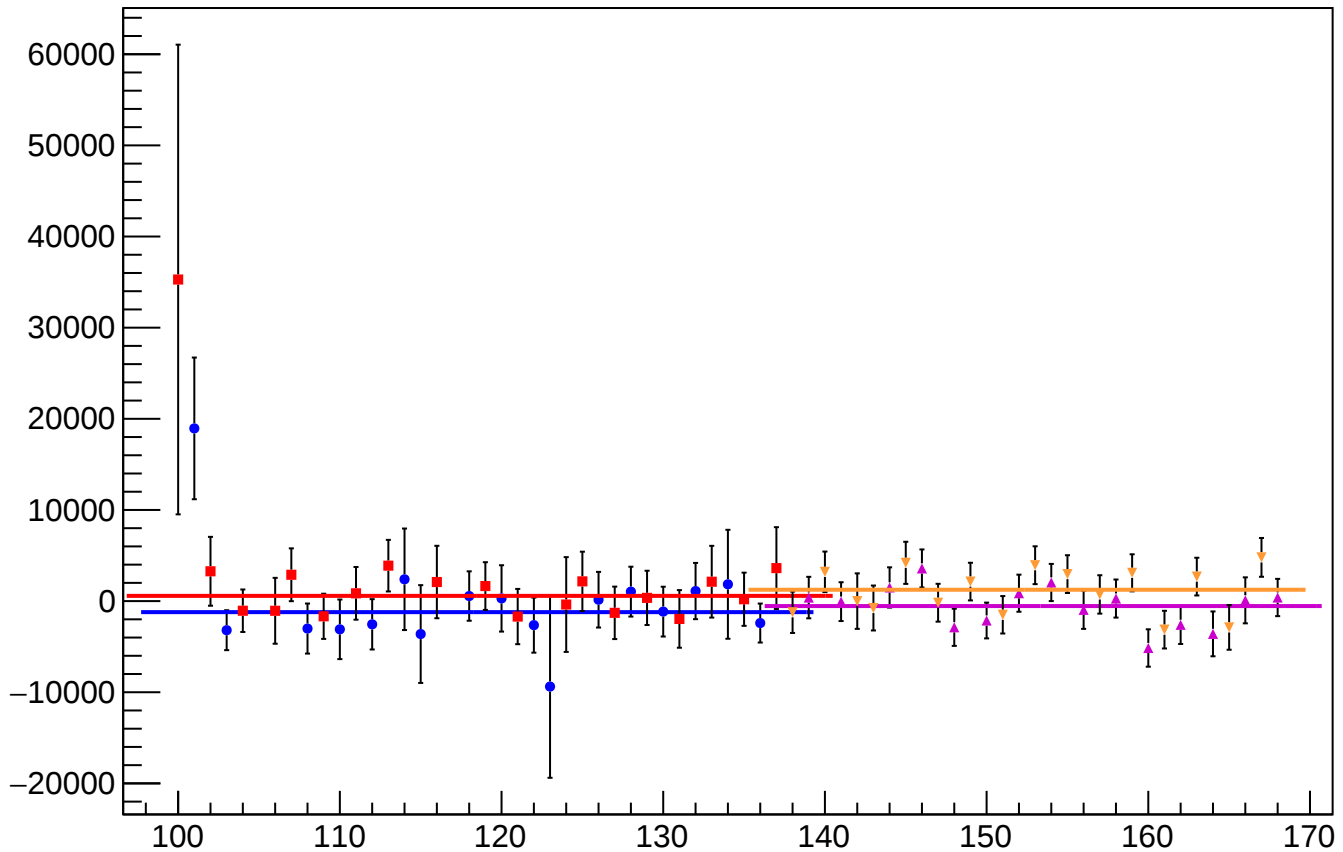
Right: 4502.849 $\pm$ 0.894 χ^2 /NDF: 1639958.3/35

In: 4980.169 $\pm$ 0.842 χ^2 /NDF: 1638340.4/31

Out: 4792.732 $\pm$ 0.800 χ^2 /NDF: 1540631.2/34

All: 4881.680 $\pm$ 0.580 χ^2 /NDF: 3205001.7/66

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1246.092 $\pm$ 546.656 χ^2/NDF : 20.7/15

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

Left In: -544.853 $\pm$ 549.269 χ^2/NDF : 17.0/14

Left: 354.891 $\pm$ 387.465 χ^2/NDF : 43.1/30

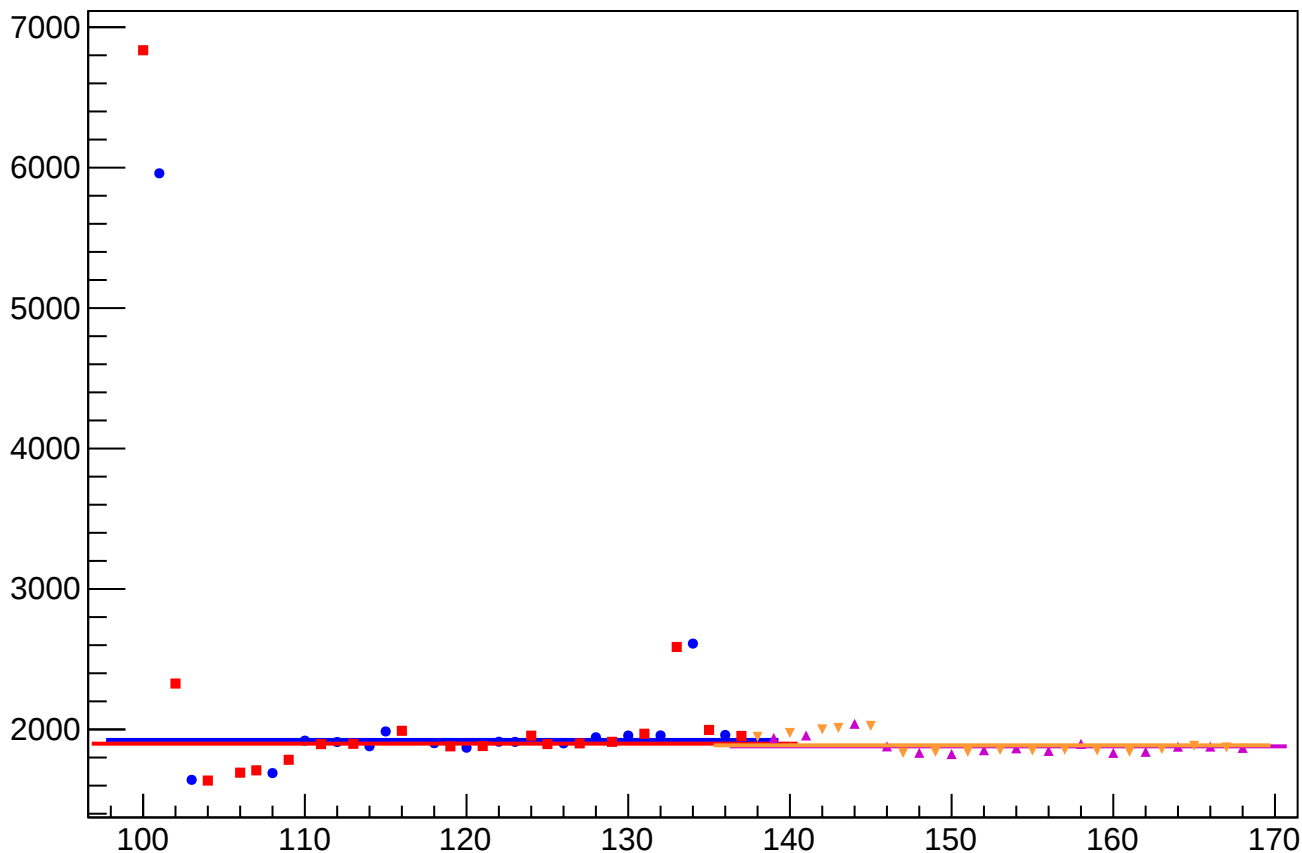
Right: -277.573 $\pm$ 528.478 χ^2/NDF : 24.2/35

In: -771.395 $\pm$ 446.232 χ^2/NDF : 30.2/31

Out: 1004.705 $\pm$ 437.711 χ^2/NDF : 30.0/34

All: 133.775 $\pm$ 312.478 χ^2/NDF : 68.2/66

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1886.975+/-0.387 χ^2/NDF : 26581.5/15

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

Left In: 1879.650+/-0.388 χ^2/NDF : 20041.0/14

Left: 1883.330+/-0.274 χ^2/NDF : 46801.2/30

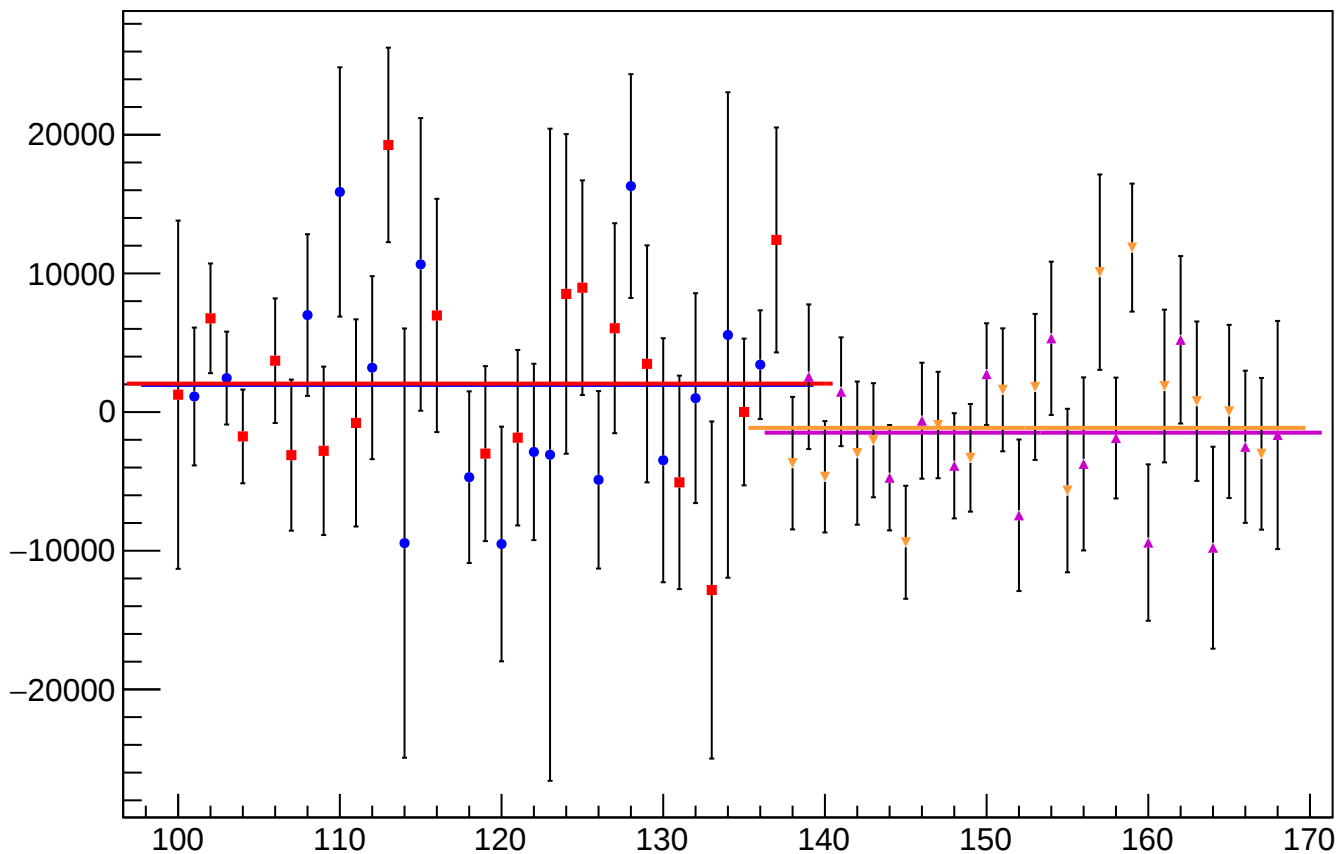
Right: 1911.445+/-0.373 χ^2/NDF : 827992.7/35

In: 1895.177+/-0.316 χ^2/NDF : 640605.7/31

Out: 1891.251+/-0.309 χ^2/NDF : 237796.5/34

All: 1893.174+/-0.221 χ^2/NDF : 878481.2/66

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1959.060+/-1556.840 χ^2/NDF : 12.9/16

Left Out: -1137.622+/-1193.722 χ^2/NDF : 18.0/15

Right Out: 2052.842+/-1413.641 χ^2/NDF : 17.4/18

Left In: -1485.938+/-1247.740 χ^2/NDF : 11.0/14

Left: -1304.078+/-862.553 χ^2/NDF : 29.0/30

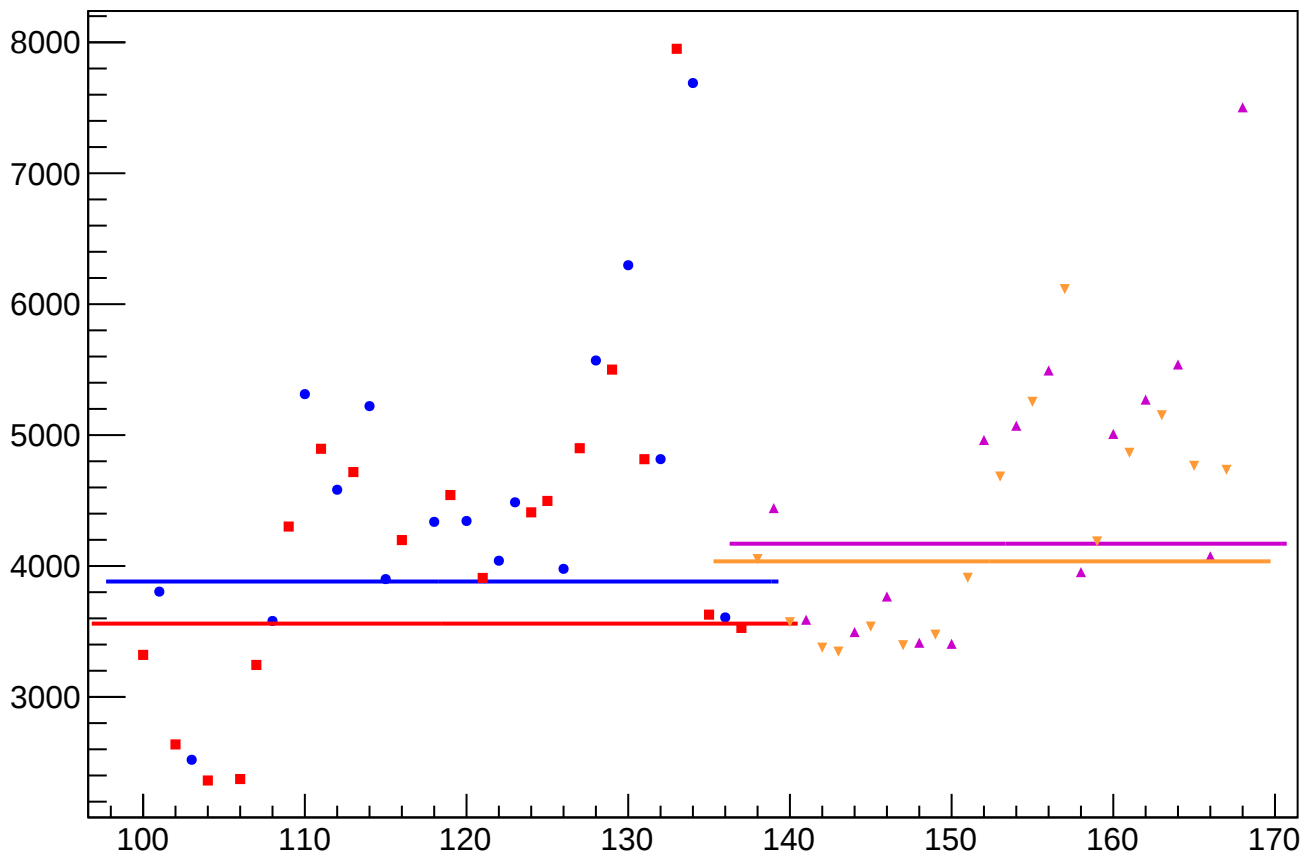
Right: 2010.461+/-1046.568 χ^2/NDF : 30.4/35

In: -138.566+/-973.629 χ^2/NDF : 27.0/31

Out: 190.410+/-912.046 χ^2/NDF : 38.4/34

All: 36.655+/-665.621 χ^2/NDF : 65.4/66

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 4035.701+/-0.844 χ^2/NDF : 717013.6/15

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

Left In: 4170.363+/-0.882 χ^2/NDF : 997694.9/14

Left: 4100.054+/-0.610 χ^2/NDF : 1726871.3/30

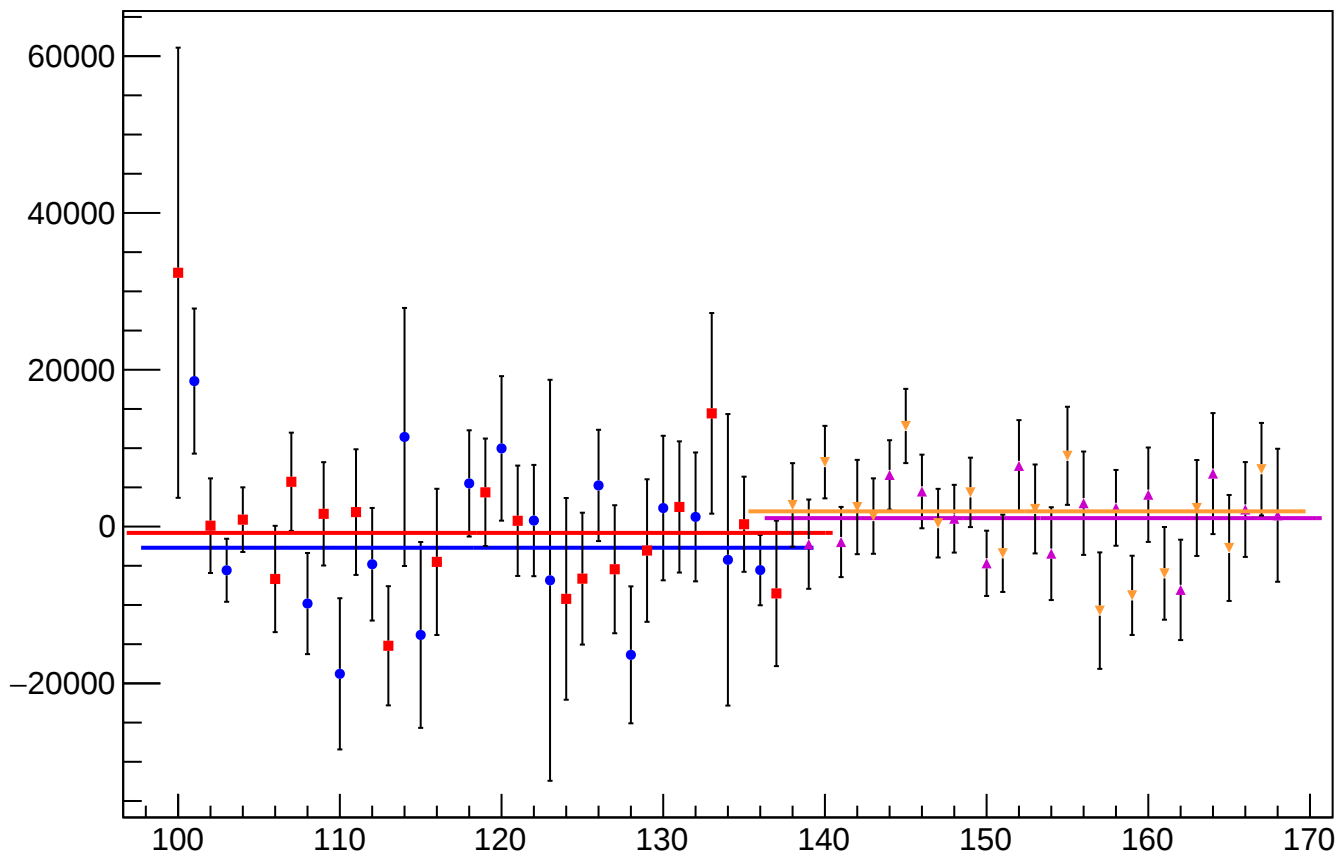
Right: 3705.352+/-0.740 χ^2/NDF : 2105744.2/35

In: 4057.416+/-0.688 χ^2/NDF : 1857063.2/31

Out: 3837.713+/-0.645 χ^2/NDF : 2090711.5/34

All: 3940.397+/-0.471 χ^2/NDF : 4002016.9/66

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1943.215 $\pm$ 1334.410 χ^2 /NDF: 20.6/15

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

Left In: 1076.457 $\pm$ 1384.029 χ^2 /NDF: 9.7/14

Left: 1525.651 $\pm$ 960.633 χ^2 /NDF: 30.5/30

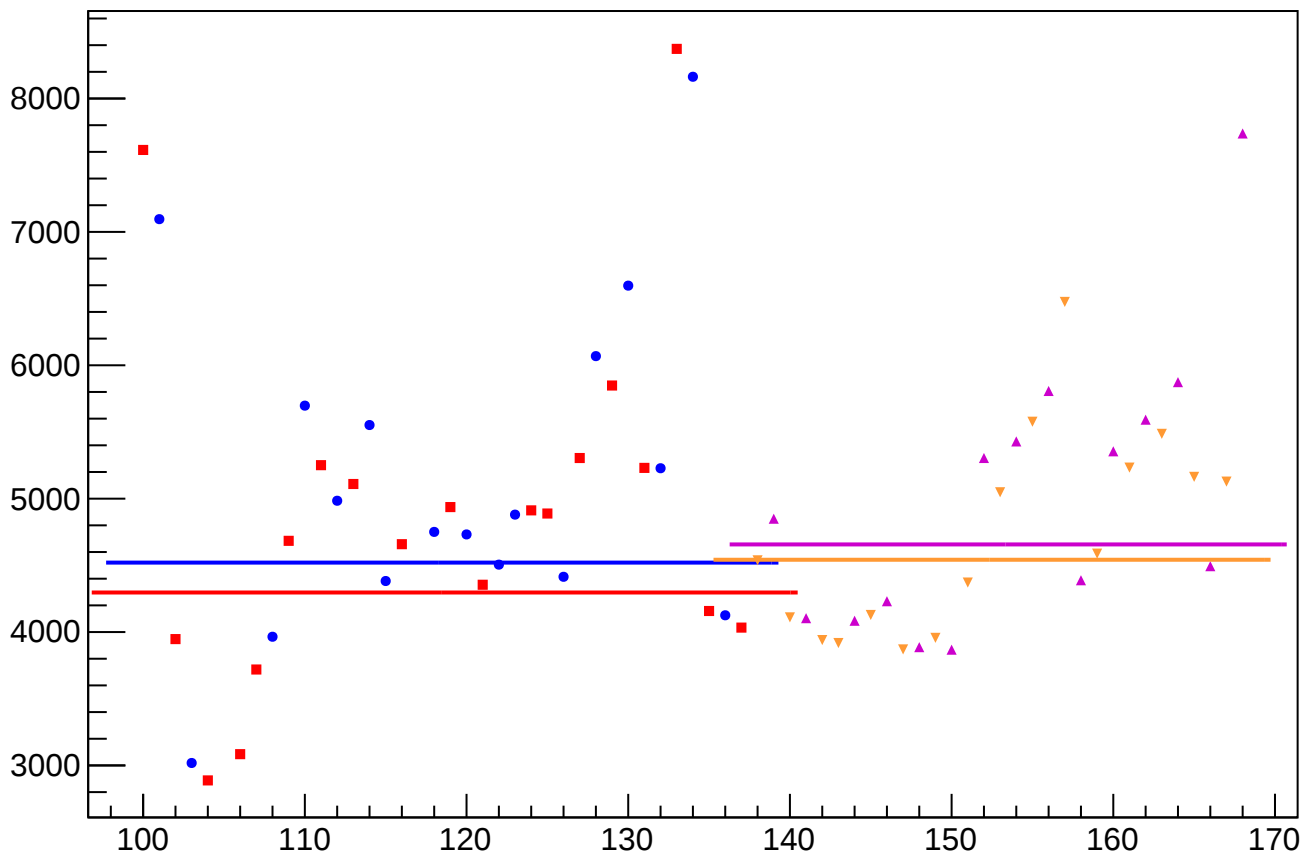
Right: -1689.130 $\pm$ 1235.094 χ^2 /NDF: 31.9/35

In: -318.104 $\pm$ 1099.228 χ^2 /NDF: 32.2/31

Out: 887.725 $\pm$ 1047.379 χ^2 /NDF: 33.8/34

All: 313.919 $\pm$ 758.276 χ^2 /NDF: 66.6/66

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685+/-1.279 χ^2/NDF : 770887.4/16

Left Out: 4542.019+/-0.944 χ^2/NDF : 488802.0/15

Right Out: 4296.527+/-1.189 χ^2/NDF : 771785.2/18

Left In: 4656.948+/-0.979 χ^2/NDF : 728423.3/14

Left: 4597.387+/-0.679 χ^2/NDF : 1224372.4/30

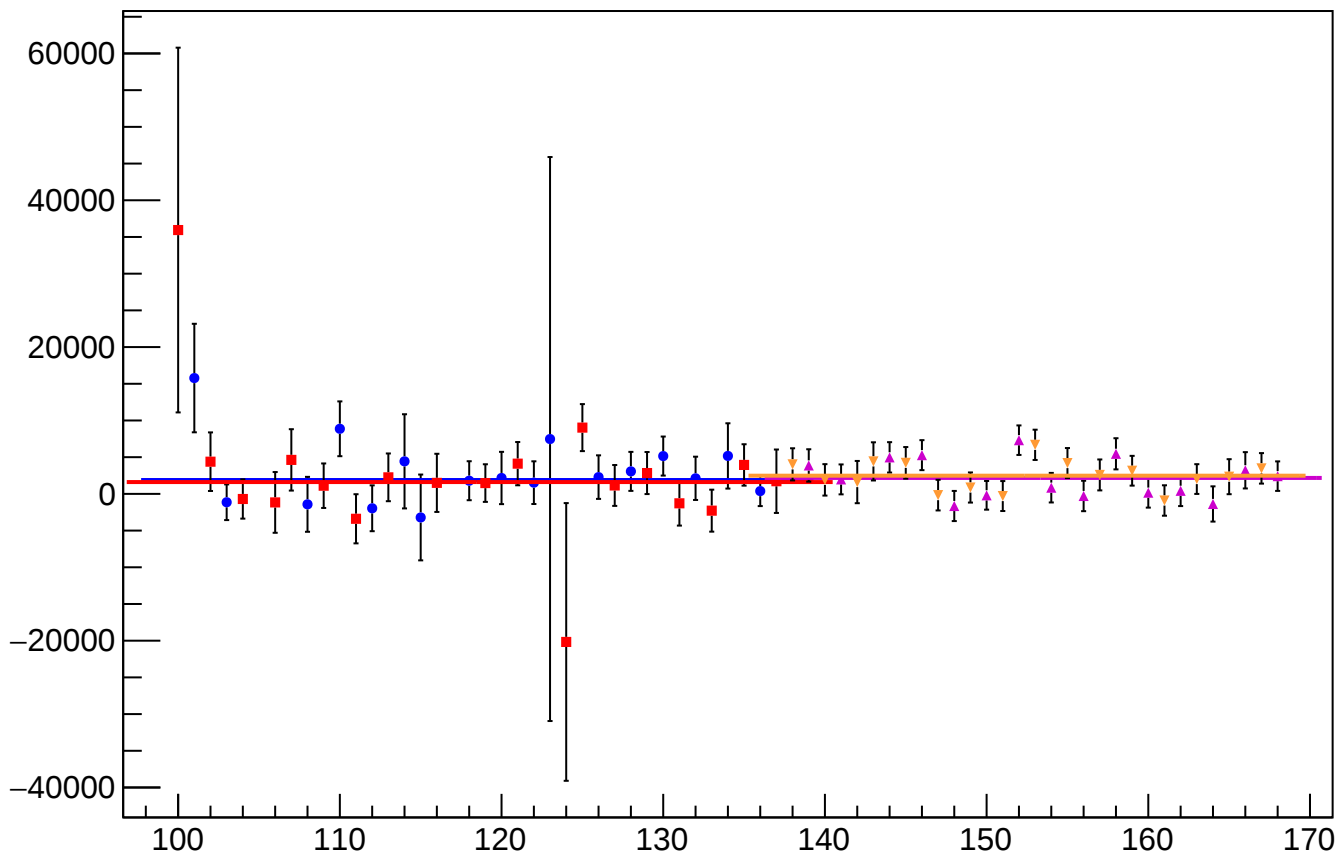
Right: 4400.391+/-0.871 χ^2/NDF : 1559151.4/35

In: 4606.639+/-0.777 χ^2/NDF : 1506468.4/31

Out: 4447.120+/-0.739 χ^2/NDF : 1286754.0/34

All: 4522.858+/-0.536 χ^2/NDF : 2815343.5/66

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1887.915+/-783.827 χ^2/NDF : 14.7/16

Left Out: 2477.753+/-538.787 χ^2/NDF :13.9/15

Right Out: 1610.310+/-765.843 χ^2/NDF : 17.5/18

Left In: 2172.962+/-540.500 χ^2/NDF :24.5/14

Left: 2325.842+/-381.584 χ^2/NDF : 38.6/30

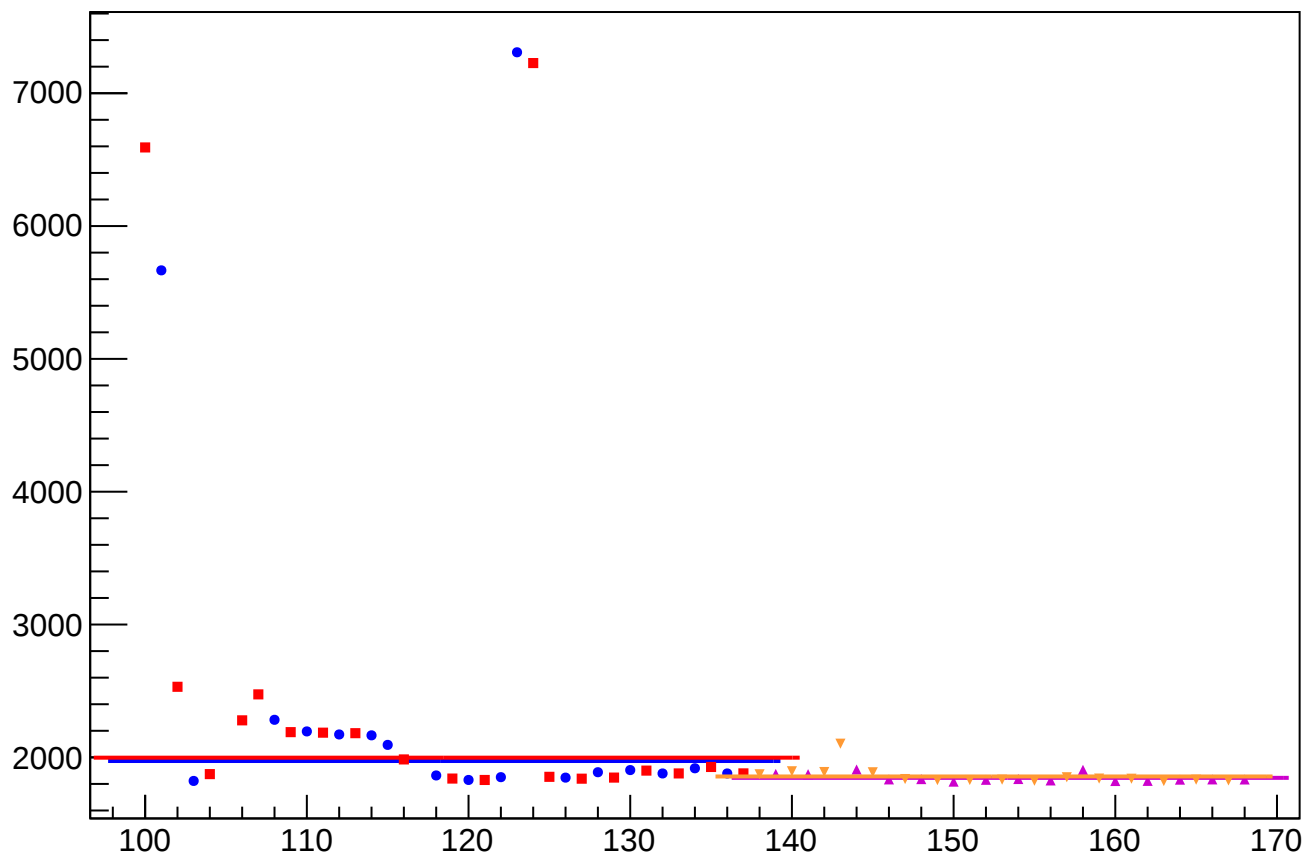
Right: 1745.891+/-547.780 χ^2/NDF : 32.2/35

In: 2081.102+/-444.965 χ^2/NDF :39.3/31

Out: 2190.562+/-440.661 χ^2/NDF :32.2/34

All: 2136.364+/-313.105 χ^2/NDF : 71.5/66

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1856.045+/-0.381 χ^2/NDF : 22620.8/15

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

Left In: 1845.742+/-0.382 χ^2/NDF : 5710.0/14

Left: 1850.910+/-0.270 χ^2/NDF : 28695.3/30

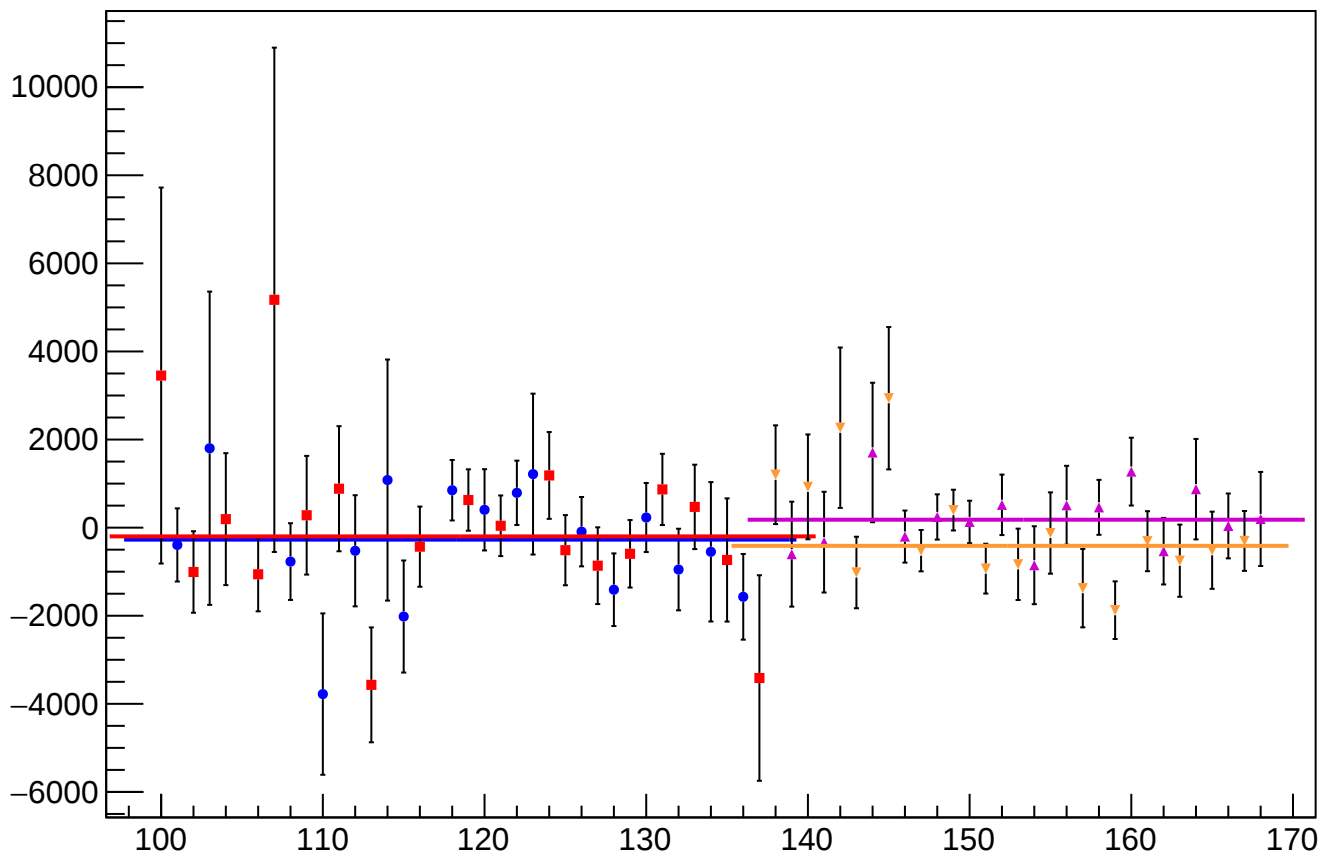
Right: 1985.358+/-0.387 χ^2/NDF : 957496.6/35

In: 1886.587+/-0.315 χ^2/NDF : 642019.2/31

Out: 1902.926+/-0.312 χ^2/NDF : 423930.5/34

All: 1894.836+/-0.221 χ^2/NDF : 1067311.2/66

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -413.187 ± 184.270 $\chi^2/\text{NDF}: 21.1/15$

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

Left In: 180.273 ± 192.509 $\chi^2/\text{NDF}: 7.3/14$

Left: -129.427 ± 133.116 $\chi^2/\text{NDF}: 33.3/30$

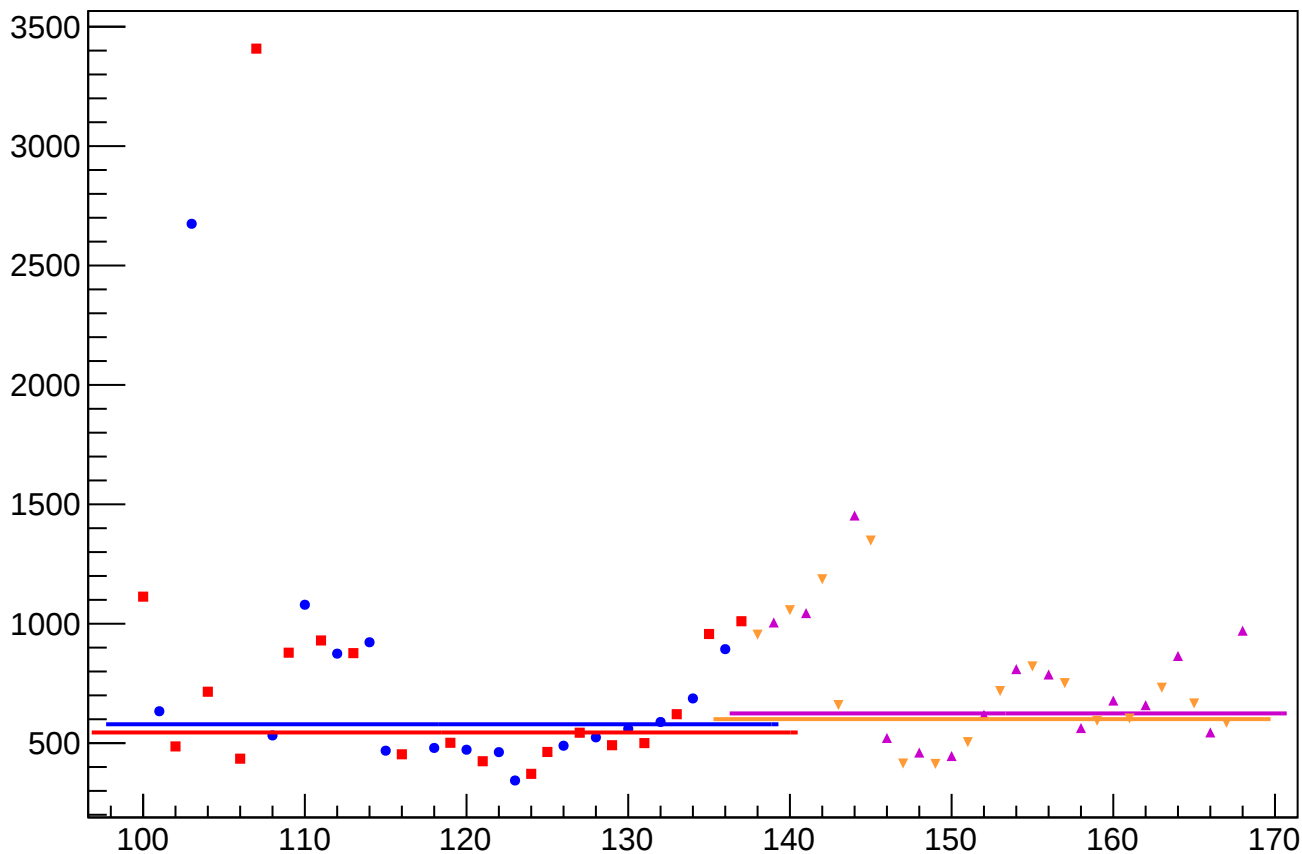
Right: -233.352 ± 165.764 $\chi^2/\text{NDF}: 37.0/35$

In: 3.487 ± 150.221 $\chi^2/\text{NDF}: 26.6/31$

Out: -328.797 ± 143.572 $\chi^2/\text{NDF}: 41.3/34$

All: -170.171 ± 103.792 $\chi^2/\text{NDF}: 70.5/66$

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 600.523 $\pm$ 0.130 χ^2 /NDF: 2117441.0/15

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

Left In: 624.441 $\pm$ 0.136 χ^2 /NDF: 2071691.4/14

Left: 611.959 $\pm$ 0.094 χ^2 /NDF: 4205243.1/30

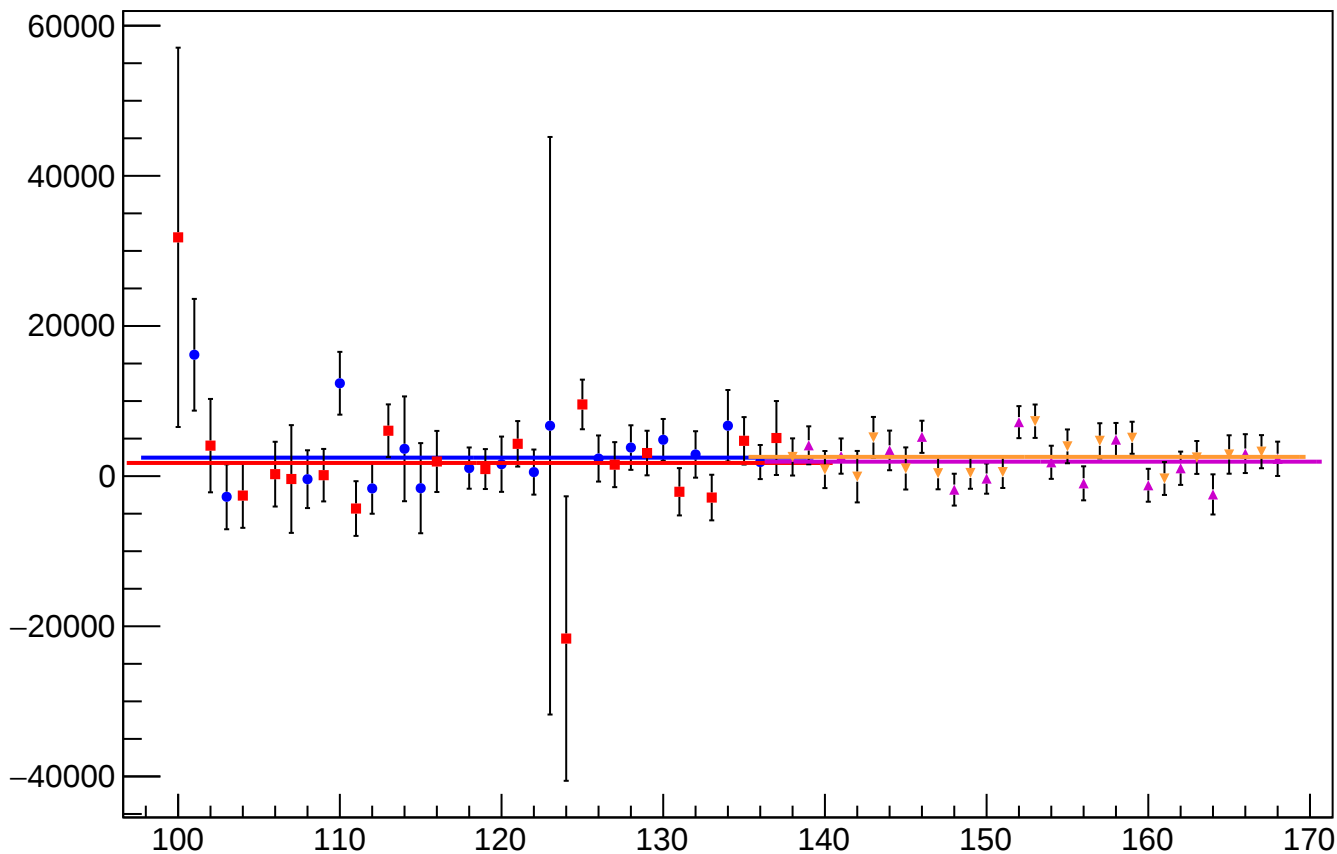
Right: 561.024 $\pm$ 0.117 χ^2 /NDF: 2901353.8/35

In: 606.674 $\pm$ 0.106 χ^2 /NDF: 3537400.1/31

Out: 578.577 $\pm$ 0.102 χ^2 /NDF: 3647433.1/34

All: 591.990 $\pm$ 0.073 χ^2 /NDF: 7221397.9/66

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2565.568 $\pm$ 585.654 χ^2 /NDF:14.3/15

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

Left In: 1925.555 $\pm$ 589.005 χ^2 /NDF:22.4/14

Left: 2247.387 $\pm$ 415.300 χ^2 /NDF: 37.3/30

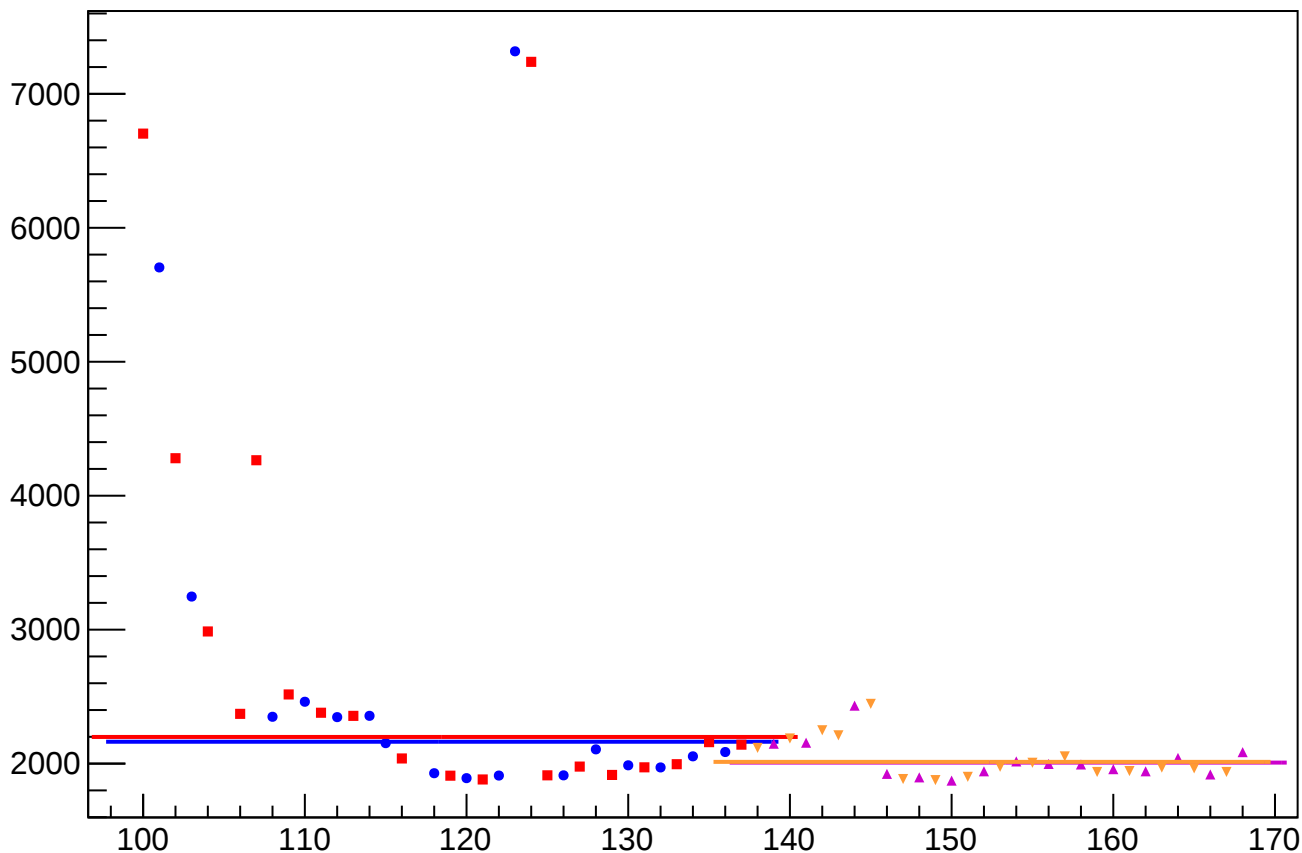
Right: 2106.351 $\pm$ 606.840 χ^2 /NDF: 36.4/35

In: 2096.637 $\pm$ 486.531 χ^2 /NDF:38.2/31

Out: 2306.578 $\pm$ 482.863 χ^2 /NDF:35.4/34

All: 2202.402 $\pm$ 342.725 χ^2 /NDF: 73.7/66

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2012.974+/-0.414 χ^2/NDF :111739.4/15

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

Left In: 2007.568+/-0.416 χ^2/NDF :93203.0/14

Left: 2010.286+/-0.294 χ^2/NDF : 205027.1/30

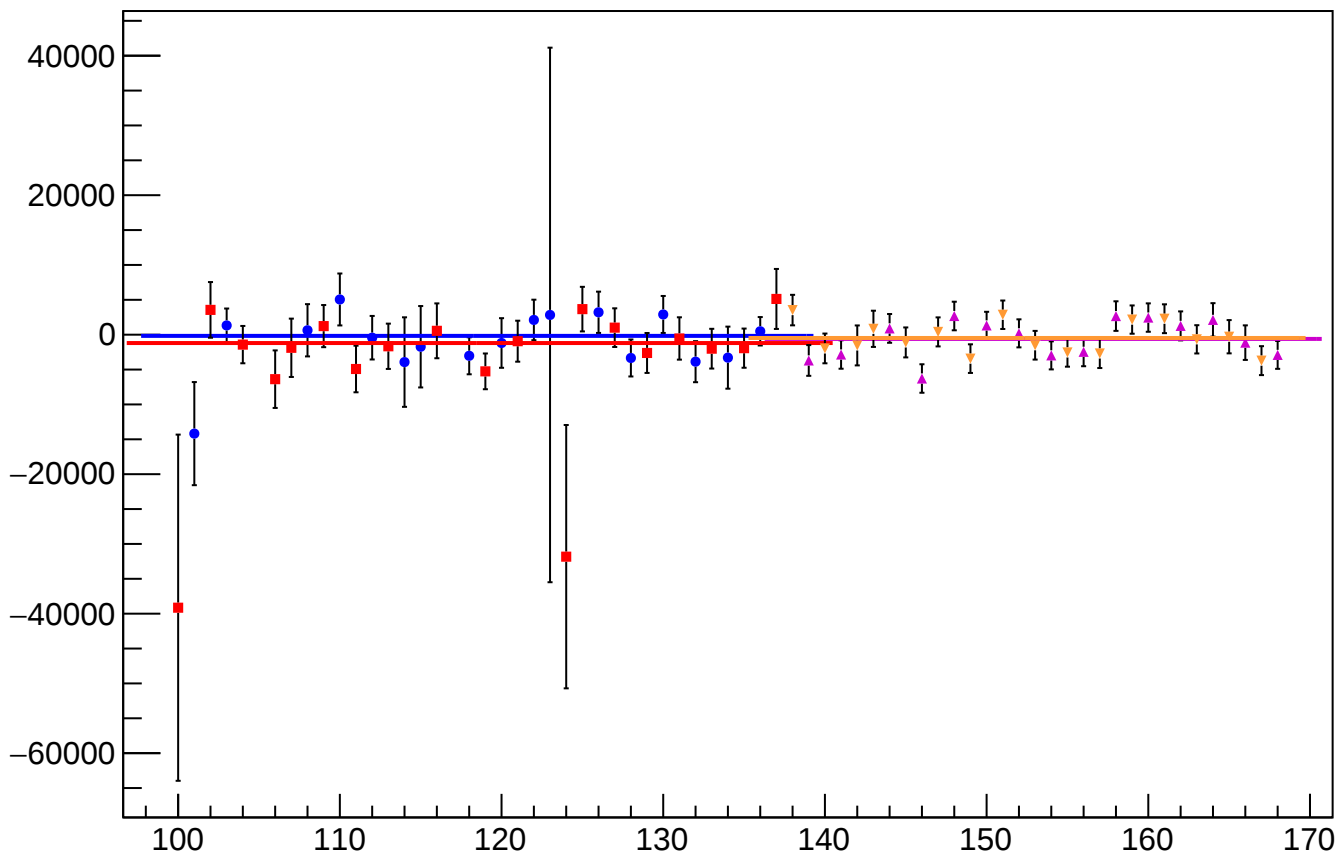
Right: 2181.359+/-0.429 χ^2/NDF : 1514611.9/35

In: 2057.043+/-0.344 χ^2/NDF :847206.0/31

Out: 2072.545+/-0.341 χ^2/NDF :979655.9/34

All: 2064.853+/-0.242 χ^2/NDF : 1827884.9/66

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -170.351 ± 782.384 $\chi^2/\text{NDF}: 14.5/16$

Left Out: -471.641 ± 537.769 $\chi^2/\text{NDF}: 17.6/15$

Right Out: -1197.543 ± 764.254 $\chi^2/\text{NDF}: 18.2/18$

Left In: -605.914 ± 539.721 $\chi^2/\text{NDF}: 25.4/14$

Left: -538.534 ± 380.948 $\chi^2/\text{NDF}: 43.0/30$

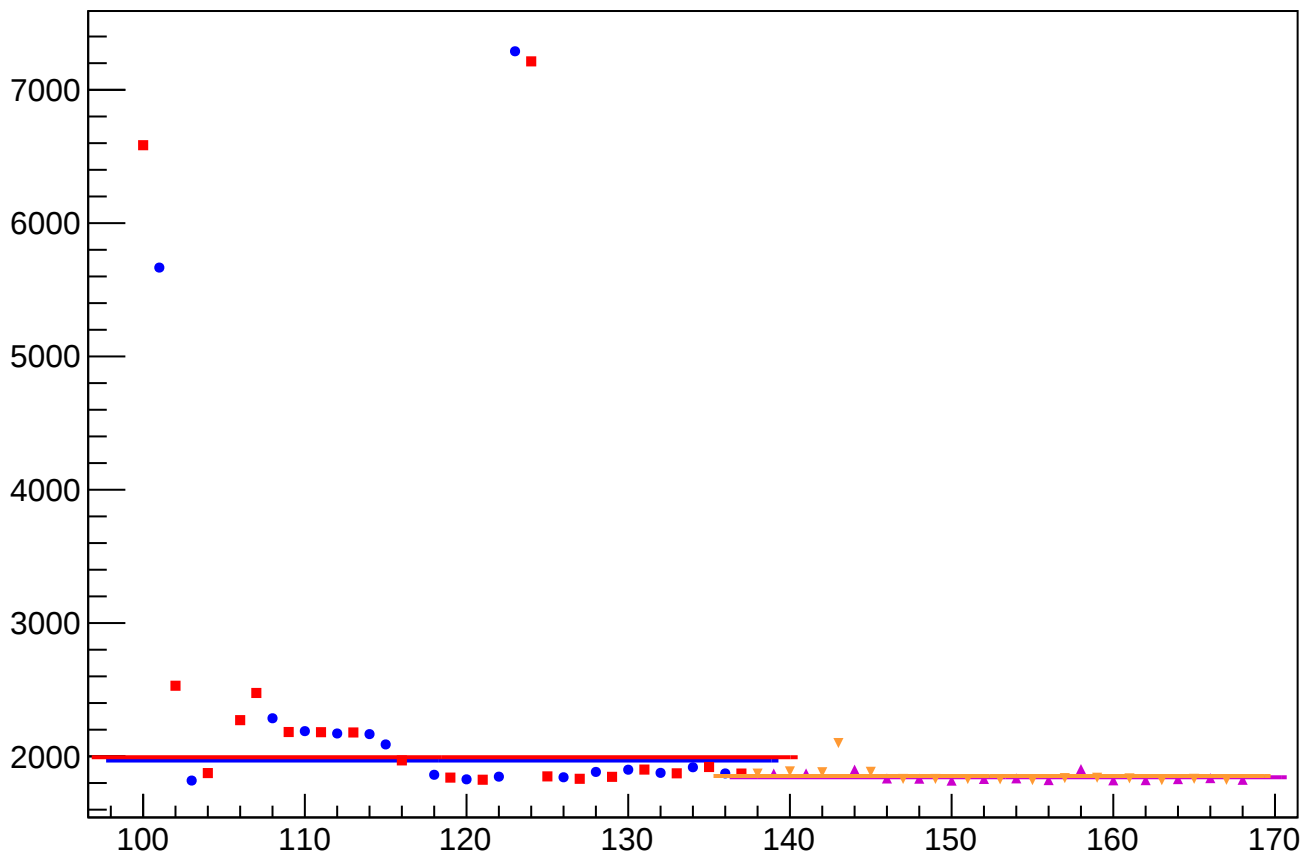
Right: -695.987 ± 546.706 $\chi^2/\text{NDF}: 33.6/35$

In: -465.472 ± 444.266 $\chi^2/\text{NDF}: 40.2/31$

Out: -712.031 ± 439.801 $\chi^2/\text{NDF}: 36.4/34$

All: -589.997 ± 312.553 $\chi^2/\text{NDF}: 76.7/66$

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1852.573 $\pm$ 0.380 χ^2 /NDF: 22264.5/15

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

Left In: 1843.085 $\pm$ 0.382 χ^2 /NDF: 5419.5/14

Left: 1847.846 $\pm$ 0.269 χ^2 /NDF: 27994.2/30

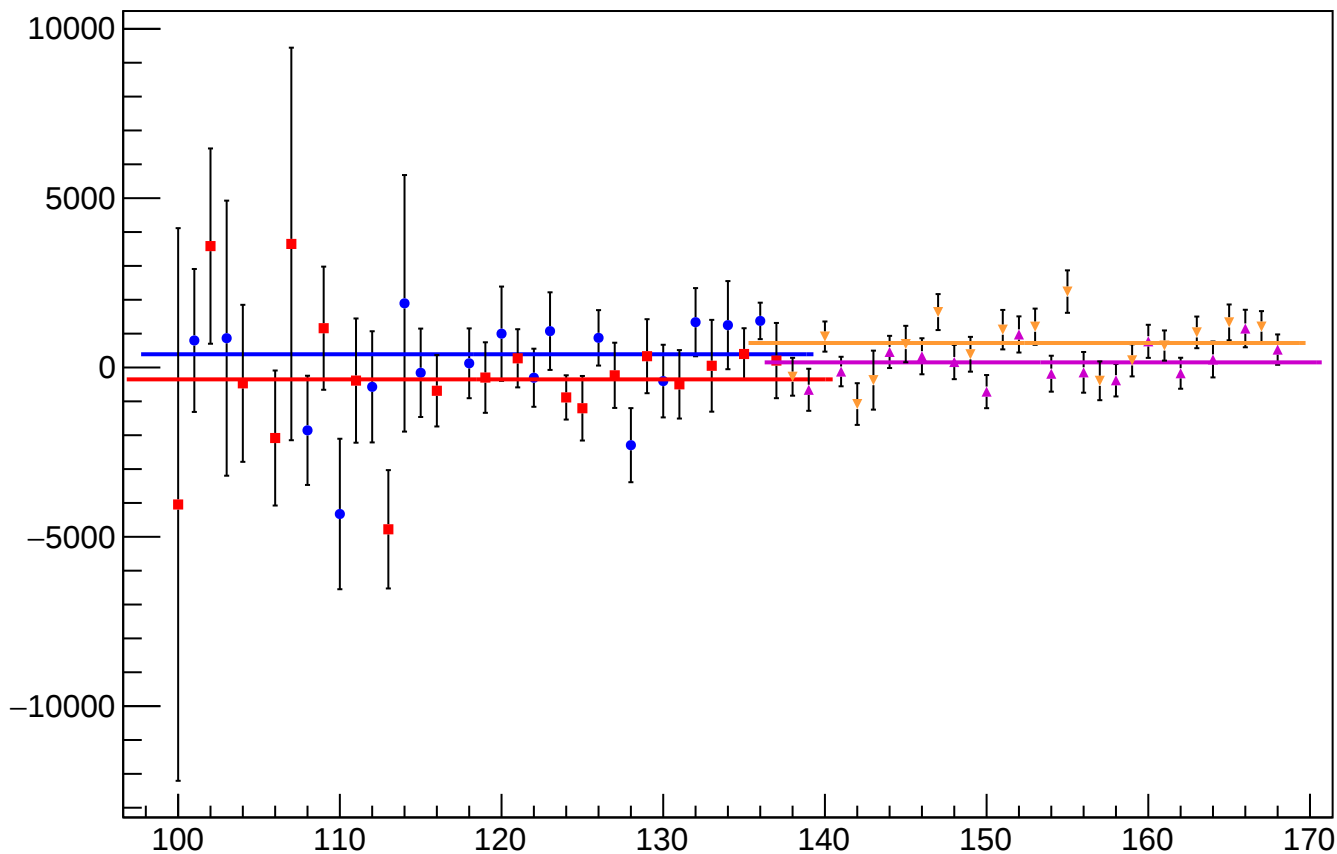
Right: 1981.318 $\pm$ 0.387 χ^2 /NDF: 960172.6/35

In: 1883.566 $\pm$ 0.314 χ^2 /NDF: 643286.6/31

Out: 1899.217 $\pm$ 0.311 χ^2 /NDF: 423871.1/34

All: 1891.471 $\pm$ 0.221 χ^2 /NDF: 1068411.2/66

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923+/-270.128 χ^2/NDF : 20.0/16

Left Out: 723.637+/-131.924 χ^2/NDF :31.9/15

Right Out: -350.642+/-266.097 χ^2/NDF : 14.2/18

Left In: 151.532+/-130.374 χ^2/NDF :16.1/14

Left: 434.204+/-92.732 χ^2/NDF : 57.5/30

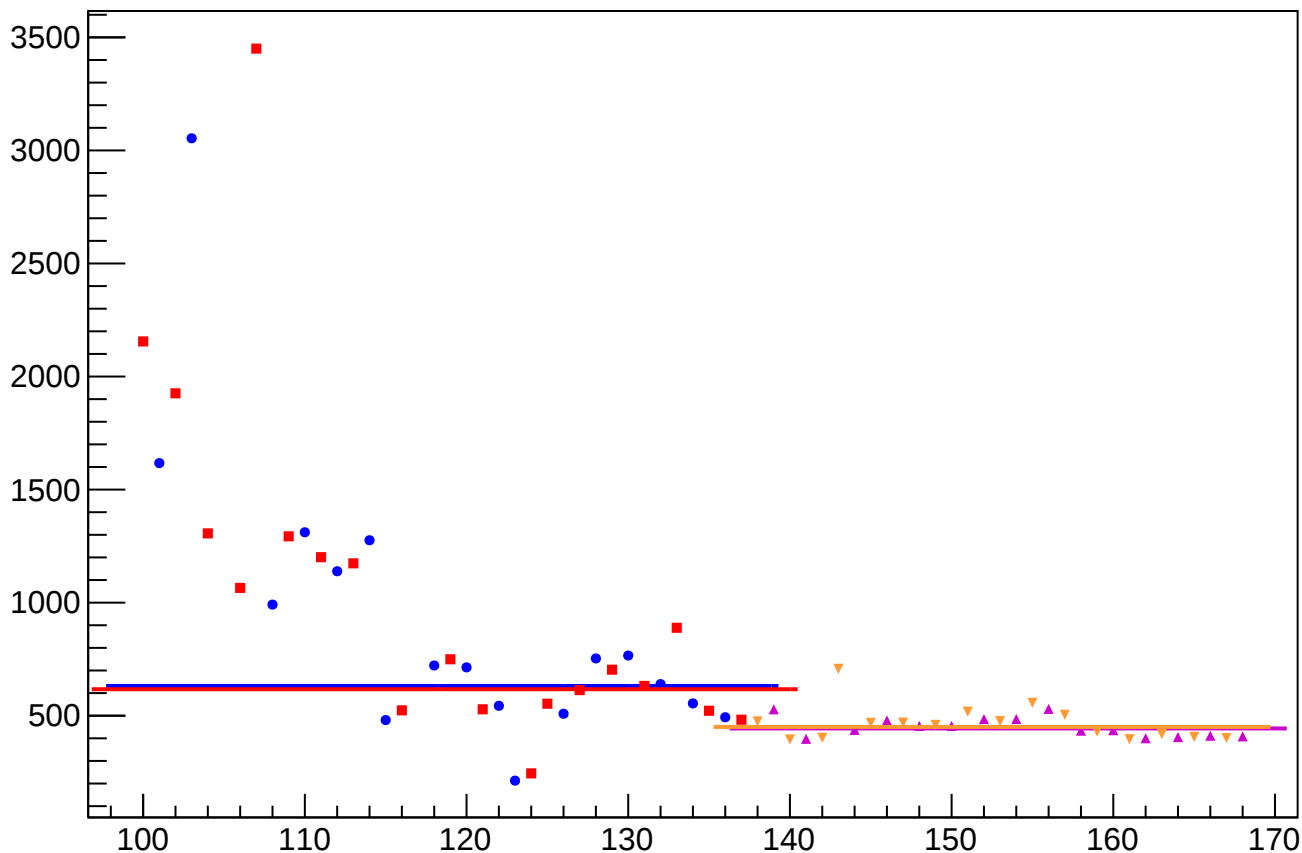
Right: 14.566+/-189.568 χ^2/NDF : 38.1/35

In: 196.760+/-117.414 χ^2/NDF :36.7/31

Out: 511.683+/-118.196 χ^2/NDF :59.3/34

All: 353.177+/-83.299 χ^2/NDF : 99.6/66

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 450.366+/-0.093 χ^2/NDF : 412499.4/15

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

Left In: 443.638+/-0.092 χ^2/NDF : 184703.9/14

Left: 446.962+/-0.066 χ^2/NDF : 599834.6/30

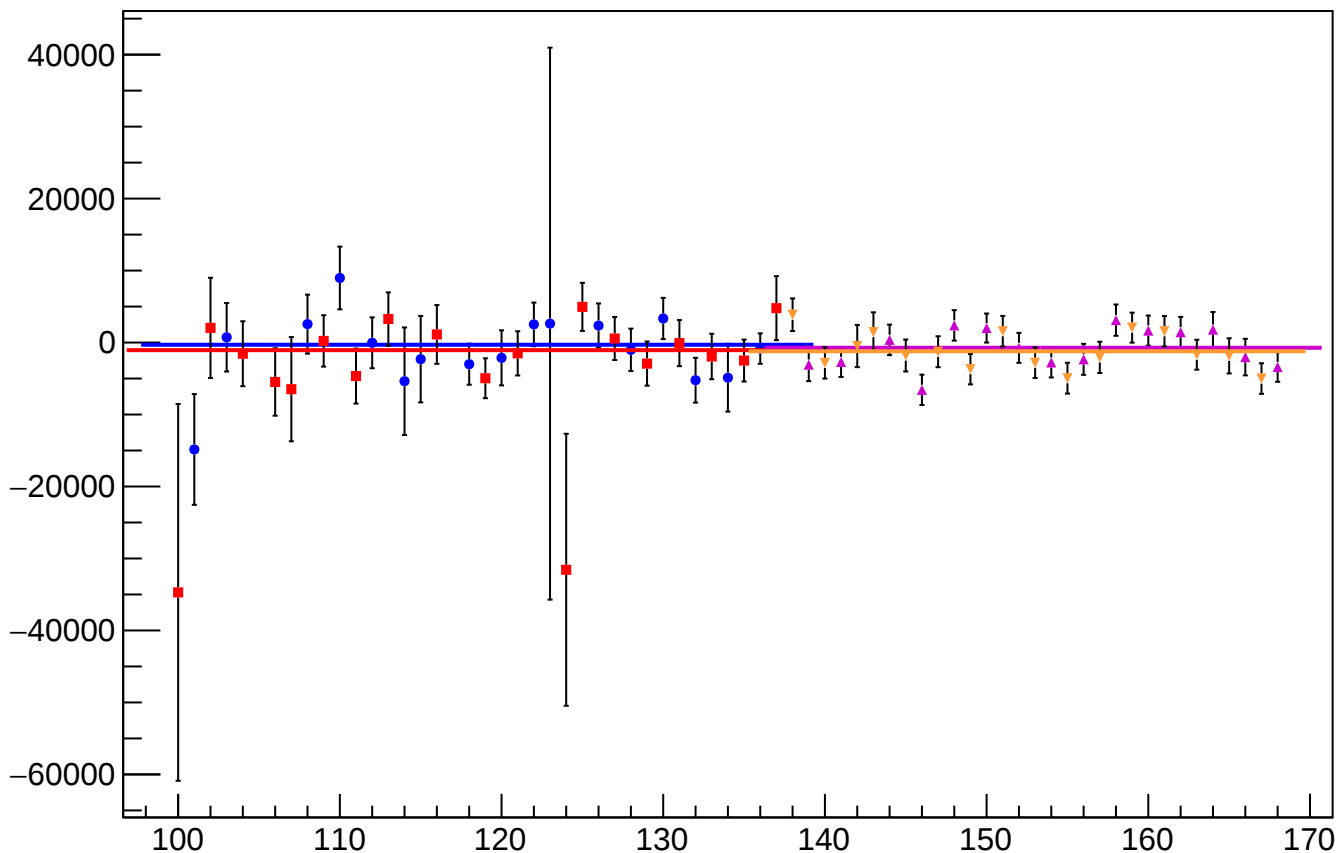
Right: 624.124+/-0.134 χ^2/NDF : 5065724.7/35

In: 479.117+/-0.083 χ^2/NDF : 3229369.2/31

Out: 483.249+/-0.084 χ^2/NDF : 3844474.2/34

All: 481.170+/-0.059 χ^2/NDF : 7075073.5/66

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713 $\pm$ 871.922 χ^2/NDF : 17.2/16

Left Out: -1213.310 $\pm$ 555.463 χ^2/NDF : 21.0/15

Right Out: -1056.856 $\pm$ 867.445 χ^2/NDF : 16.6/18

Left In: -725.182 $\pm$ 556.316 χ^2/NDF : 23.8/14

Left: -969.621 $\pm$ 393.073 χ^2/NDF : 45.2/30

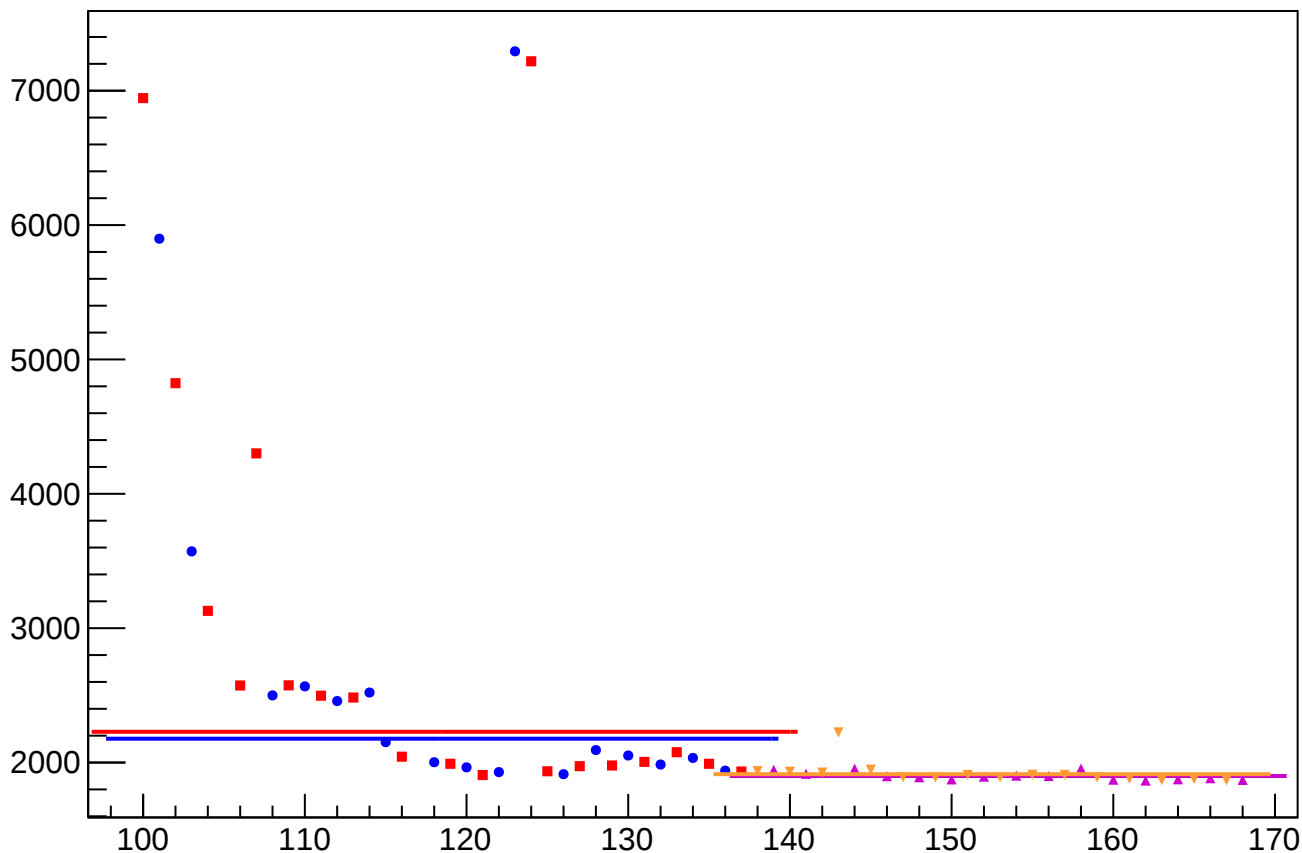
Right: -683.218 $\pm$ 614.953 χ^2/NDF : 34.2/35

In: -603.824 $\pm$ 468.987 χ^2/NDF : 41.2/31

Out: -1167.813 $\pm$ 467.777 χ^2/NDF : 37.7/34

All: -886.547 $\pm$ 331.195 χ^2/NDF : 79.5/66

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1913.429 $\pm$ 0.393 χ^2 /NDF:30207.1/15

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

Left In: 1899.941 $\pm$ 0.393 χ^2 /NDF:5448.4/14

Left: 1906.695 $\pm$ 0.278 χ^2 /NDF: 36244.3/30

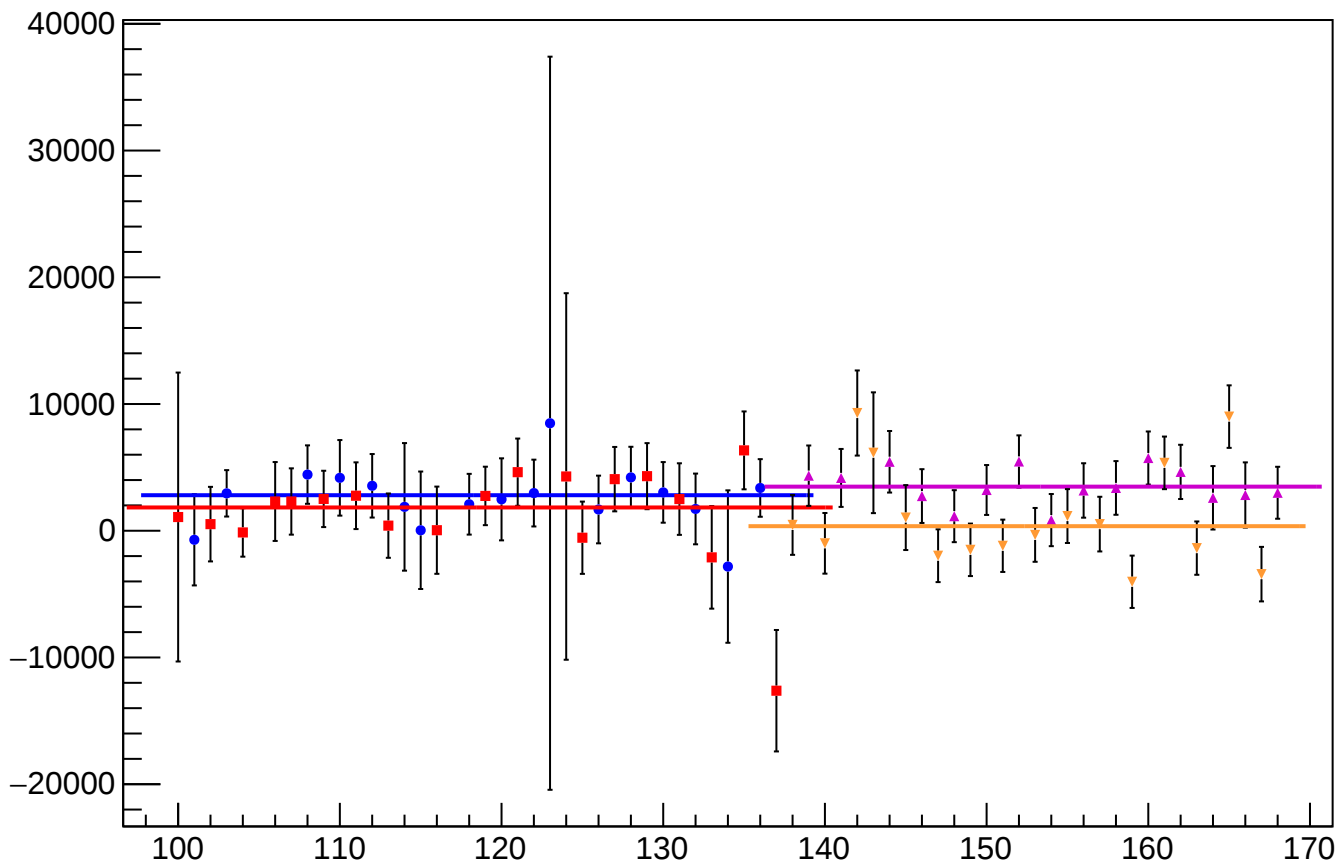
Right: 2203.363 $\pm$ 0.435 χ^2 /NDF: 1702161.6/35

In: 1980.226 $\pm$ 0.332 χ^2 /NDF:952263.3/31

Out: 2005.202 $\pm$ 0.331 χ^2 /NDF:1113752.2/34

All: 1992.746 $\pm$ 0.234 χ^2 /NDF: 2068858.8/66

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917+/-678.548 χ^2/NDF : 3.9/16

Left Out: 360.111+/-570.892 χ^2/NDF : 38.2/15

Right Out: 1837.168+/-655.307 χ^2/NDF : 18.0/18

Left In: 3479.938+/-562.381 χ^2/NDF : 6.6/14

Left: 1943.456+/-400.639 χ^2/NDF : 59.9/30

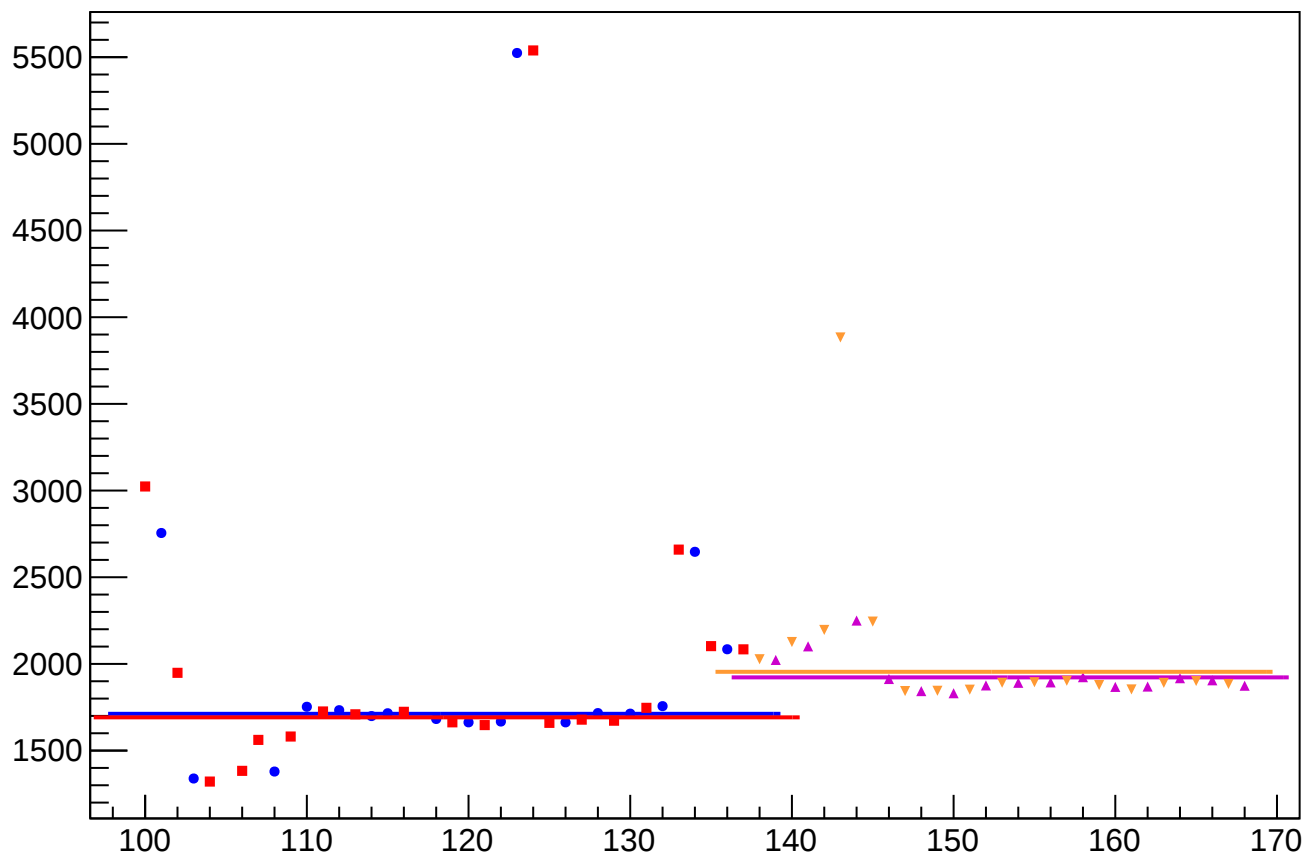
Right: 2303.702+/-471.374 χ^2/NDF : 23.0/35

In: 3204.663+/-432.997 χ^2/NDF : 11.1/31

Out: 997.435+/-430.453 χ^2/NDF : 59.1/34

All: 2094.548+/-305.272 χ^2/NDF : 83.3/66

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1954.477+/-0.404 χ^2/NDF : 408972.4/15

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

Left In: 1922.304+/-0.398 χ^2/NDF : 65205.1/14

Left: 1938.149+/-0.283 χ^2/NDF : 477401.4/30

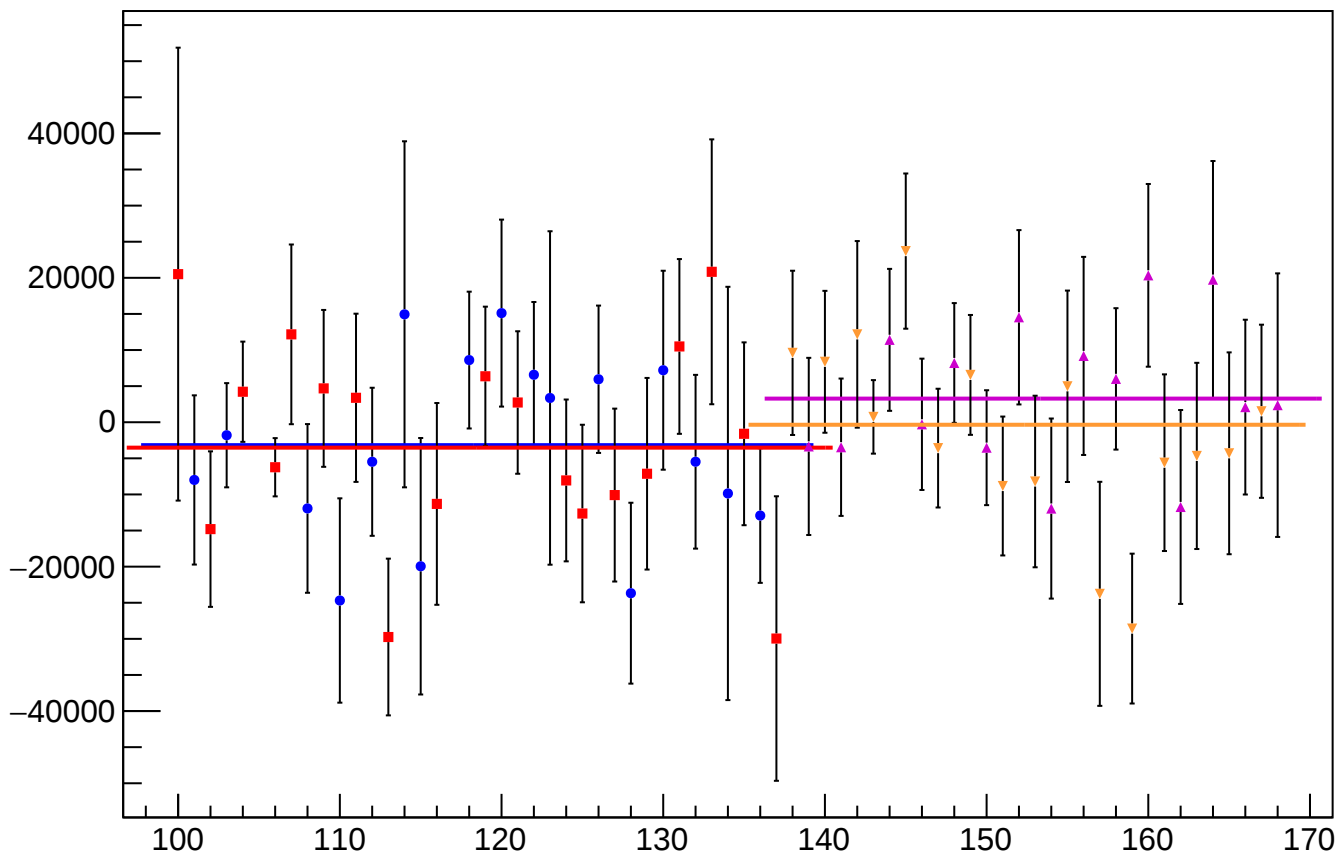
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1836.731+/-0.306 χ^2/NDF : 611403.1/31

Out: 1841.113+/-0.304 χ^2/NDF : 1046666.9/34

All: 1838.935+/-0.216 χ^2/NDF : 1658173.0/66

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: -349.232 $\pm$ 2481.361 χ^2 /NDF: 19.8/15

Right Out: -3520.105 $\pm$ 2266.532 χ^2 /NDF: 19.5/18

Left In: 3272.213 $\pm$ 2830.268 χ^2 /NDF: 9.4/14

Left: 1224.629 $\pm$ 1865.820 χ^2 /NDF: 30.2/30

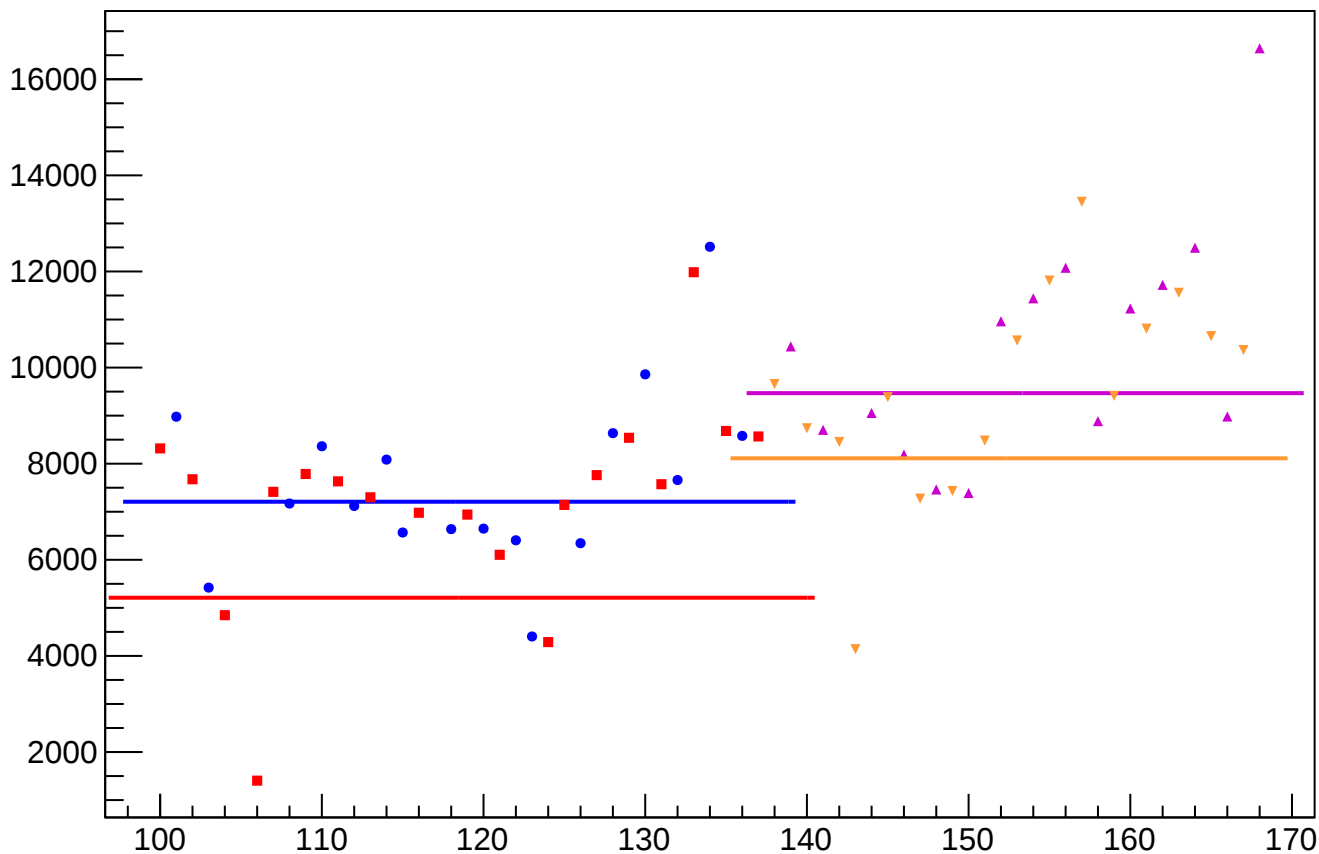
Right: -3385.836 $\pm$ 1774.424 χ^2 /NDF: 33.9/35

In: 74.114 $\pm$ 2008.935 χ^2 /NDF: 26.4/31

Out: -2077.849 $\pm$ 1673.485 χ^2 /NDF: 40.3/34

All: -1196.287 $\pm$ 1285.804 χ^2 /NDF: 67.3/66

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 8112.236 $\pm$ 1.755 χ^2 /NDF: 2214849.4/15

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

Left In: 9468.249 $\pm$ 2.001 χ^2 /NDF: 957266.1/14

Left: 8701.552 $\pm$ 1.319 χ^2 /NDF: 3431690.0/30

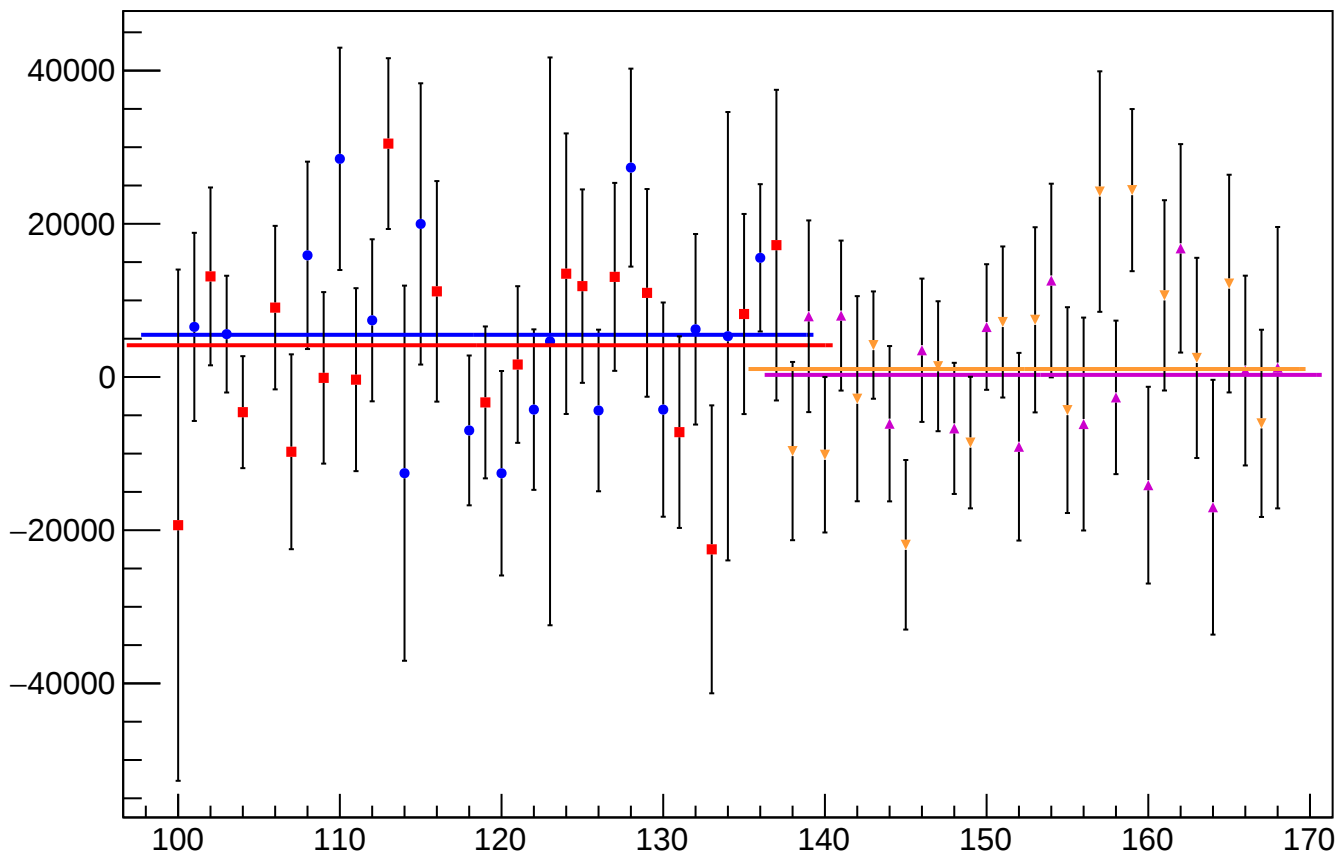
Right: 5984.369 $\pm$ 1.255 χ^2 /NDF: 4267414.1/35

In: 8347.043 $\pm$ 1.421 χ^2 /NDF: 2059136.3/31

Out: 6530.715 $\pm$ 1.183 χ^2 /NDF: 6902041.8/34

All: 7274.782 $\pm$ 0.909 χ^2 /NDF: 9926323.7/66

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 $\pm$ 2971.033 χ^2/NDF : 14.1/16

Left Out: 1043.707 $\pm$ 2688.959 χ^2/NDF : 17.3/15

Right Out: 4146.067 $\pm$ 2790.212 χ^2/NDF : 15.4/18

Left In: 277.665 $\pm$ 2897.470 χ^2/NDF : 8.4/14

Left: 689.238 $\pm$ 1970.977 χ^2/NDF : 25.8/30

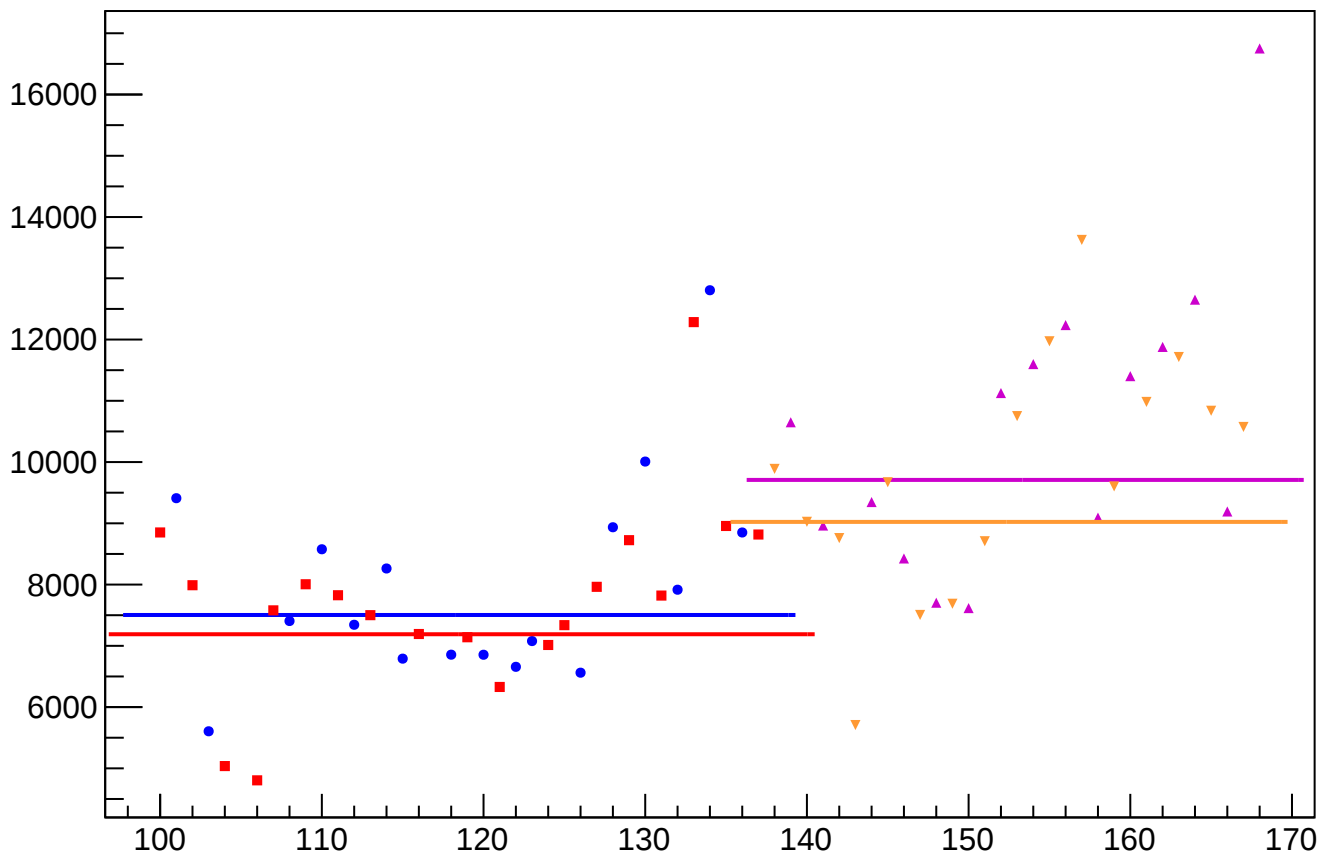
Right: 4784.984 $\pm$ 2033.900 χ^2/NDF : 29.6/35

In: 2827.959 $\pm$ 2074.340 χ^2/NDF : 24.1/31

Out: 2537.576 $\pm$ 1936.187 χ^2/NDF : 33.4/34

All: 2672.776 $\pm$ 1415.414 χ^2/NDF : 57.5/66

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 9023.305 $\pm$ 1.901 χ^2 /NDF:1095810.1/15

Right Out: 7189.231 $\pm$ 1.973 χ^2 /NDF: 557703.4/18

Left In: 9708.532 $\pm$ 2.049 χ^2 /NDF:894002.7/14

Left: 9340.378 $\pm$ 1.394 χ^2 /NDF: 2049910.3/30

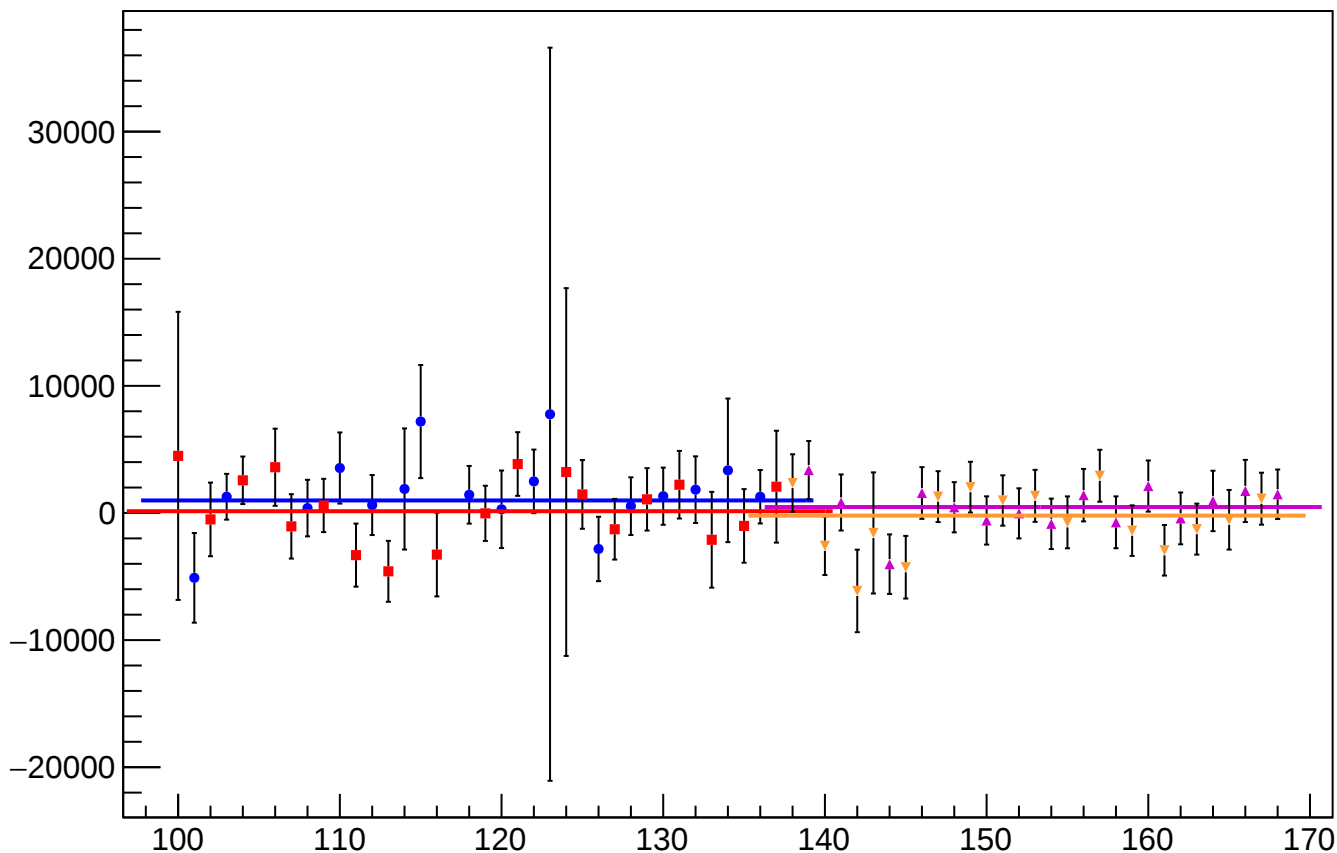
Right: 7336.574 $\pm$ 1.438 χ^2 /NDF: 996921.9/35

In: 8633.705 $\pm$ 1.467 χ^2 /NDF:1885879.3/31

Out: 8140.032 $\pm$ 1.369 χ^2 /NDF:2101611.8/34

All: 8369.871 $\pm$ 1.001 χ^2 /NDF: 4048032.5/66

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452 $\pm$ 644.630 χ^2/NDF : 9.1/16

Left Out: -207.975 $\pm$ 547.367 χ^2/NDF :16.6/15

Right Out: 138.627 $\pm$ 623.555 χ^2/NDF : 14.7/18

Left In: 466.945 $\pm$ 539.400 χ^2/NDF :8.4/14

Left: 134.432 $\pm$ 384.199 χ^2/NDF : 25.8/30

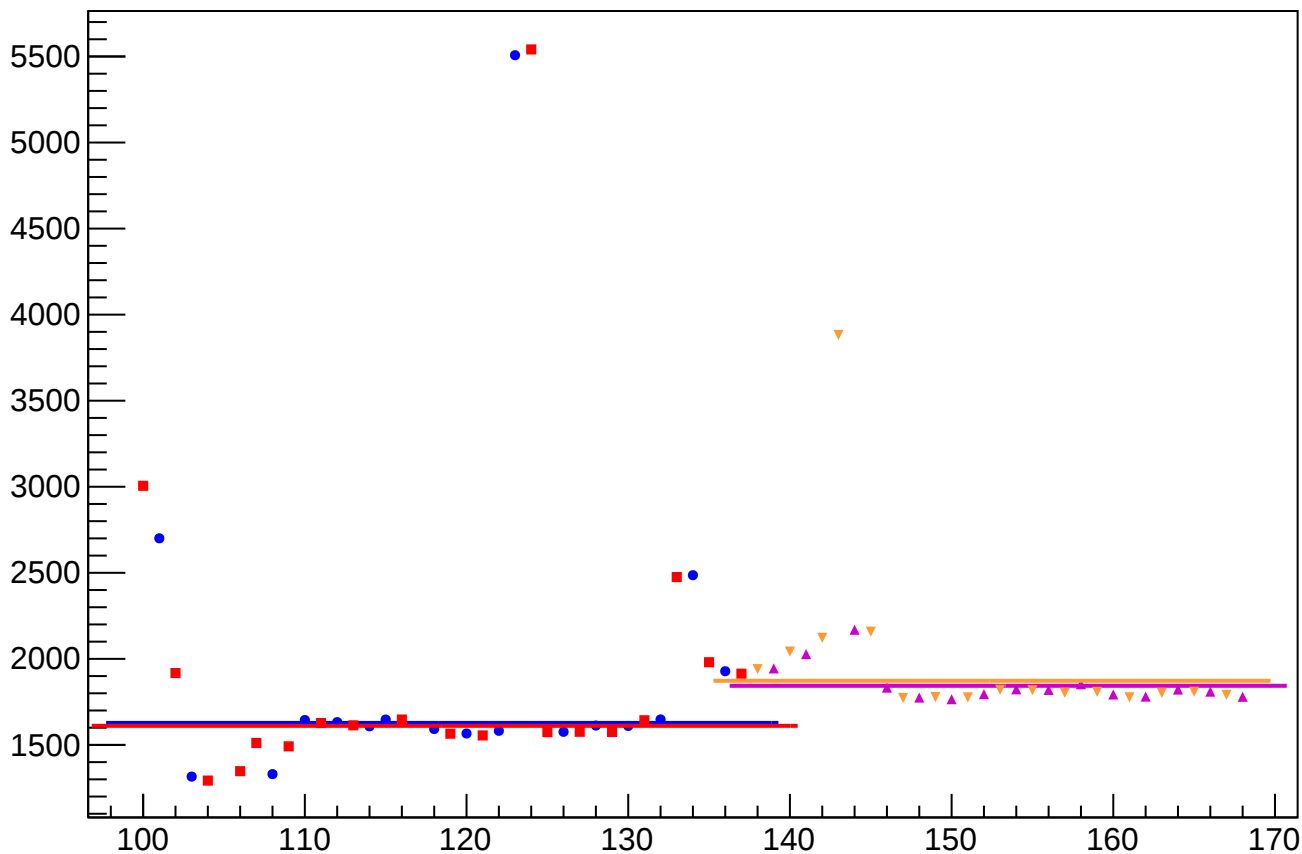
Right: 547.971 $\pm$ 448.185 χ^2/NDF : 24.6/35

In: 680.478 $\pm$ 413.681 χ^2/NDF :17.9/31

Out: -57.131 $\pm$ 411.361 χ^2/NDF :31.5/34

All: 309.599 $\pm$ 291.693 χ^2/NDF : 50.9/66

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1872.644 $\pm$ 0.387 χ^2 /NDF:440336.3/15

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

Left In: 1843.542 $\pm$ 0.381 χ^2 /NDF:69922.0/14

Left: 1857.880 $\pm$ 0.272 χ^2 /NDF: 513126.5/30

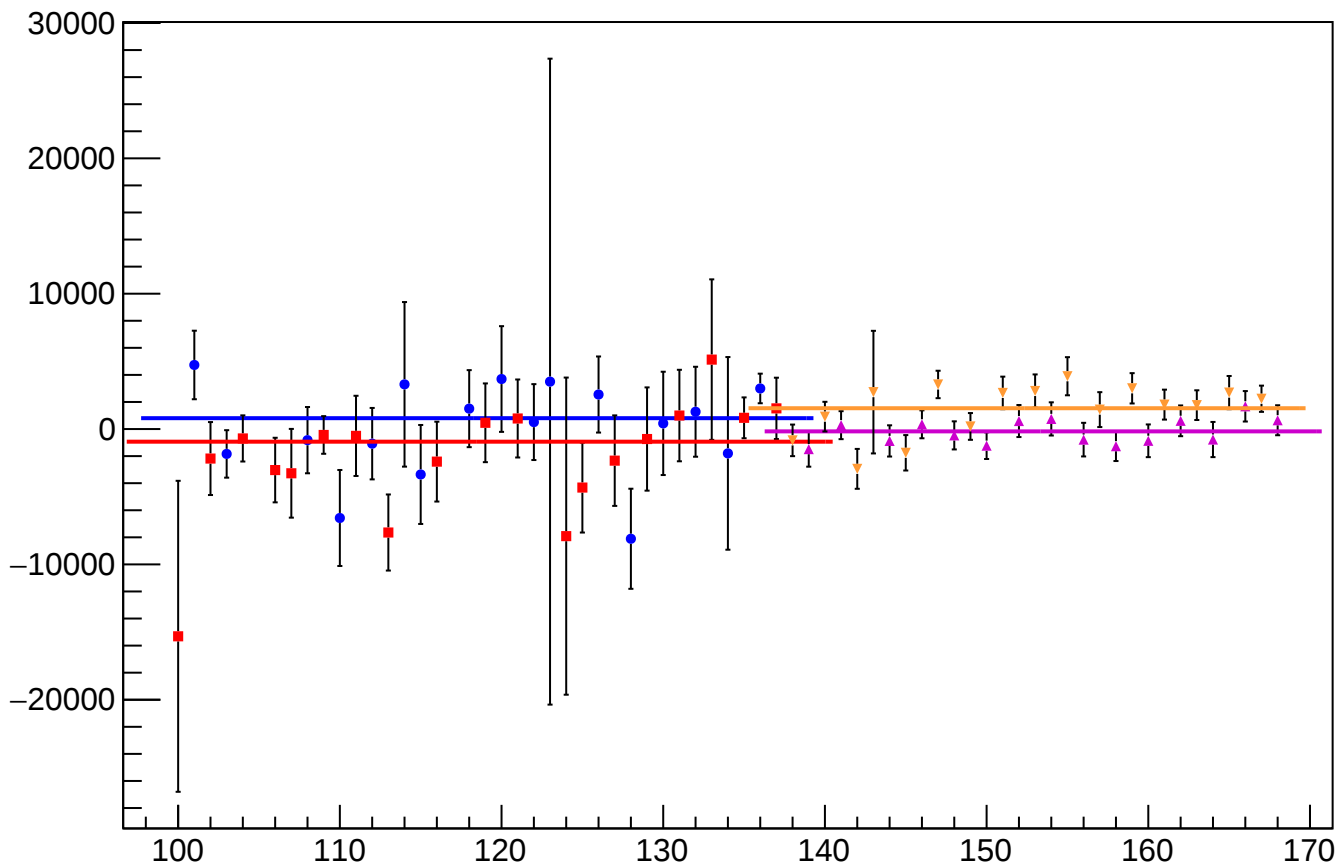
Right: 1619.112 $\pm$ 0.317 χ^2 /NDF: 841776.5/35

In: 1754.710 $\pm$ 0.293 χ^2 /NDF:608746.0/31

Out: 1758.752 $\pm$ 0.291 χ^2 /NDF:1073256.0/34

All: 1756.742 $\pm$ 0.206 χ^2 /NDF: 1682098.0/66

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048+/-631.676 χ^2/NDF : 22.4/16

Left Out: 1537.996+/-297.545 χ^2/NDF :33.0/15

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

Left In: -171.884+/-292.376 χ^2/NDF :9.6/14

Left: 668.076+/-208.545 χ^2/NDF : 59.4/30

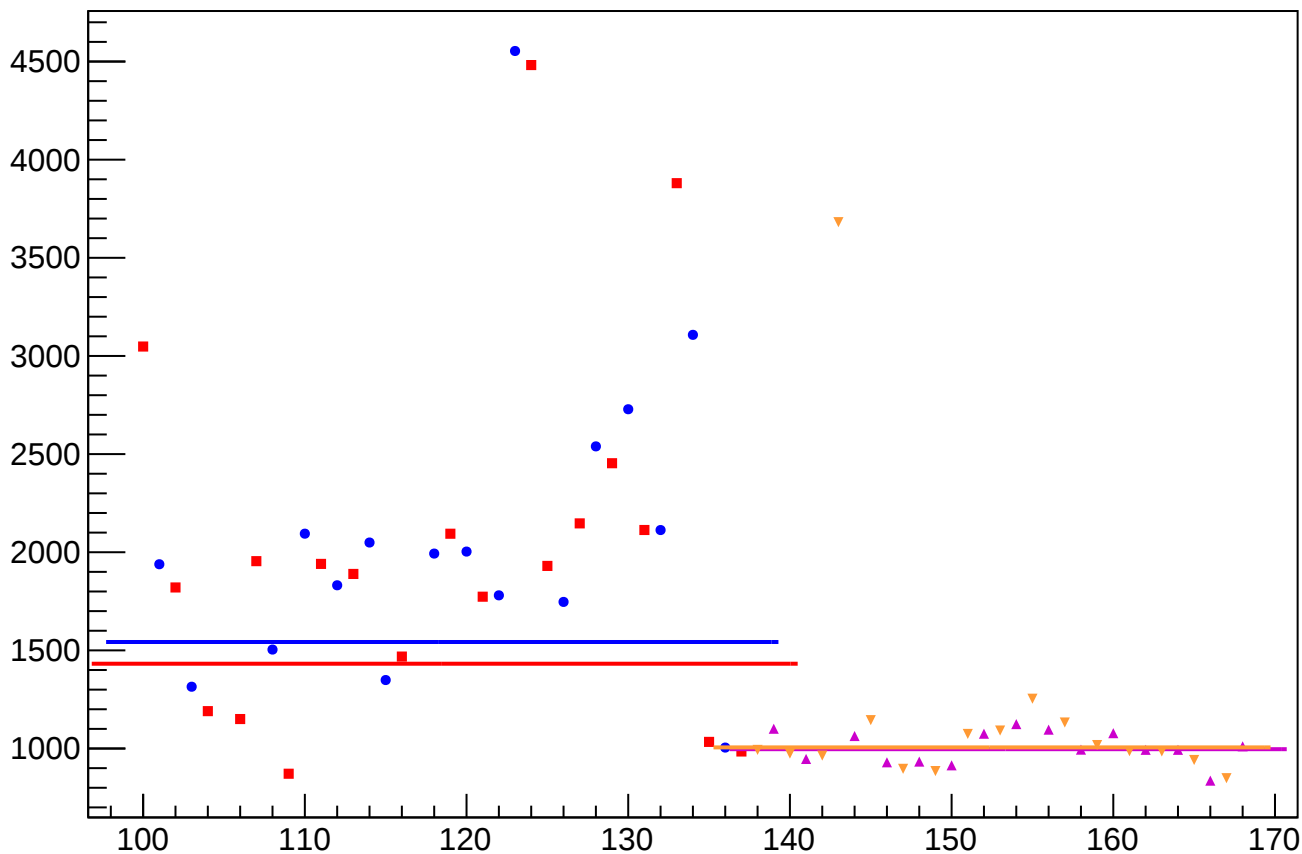
Right: -124.875+/-431.067 χ^2/NDF : 41.7/35

In: 0.131+/-265.332 χ^2/NDF :34.0/31

Out: 1036.469+/-265.647 χ^2/NDF :62.2/34

All: 517.685+/-187.730 χ^2/NDF : 103.8/66

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 1005.708 $\pm$ 0.210 χ^2 /NDF: 934181.0/15

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

Left In: 996.618 $\pm$ 0.207 χ^2 /NDF: 147582.6/14

Left: 1001.083 $\pm$ 0.147 χ^2 /NDF: 1082713.3/30

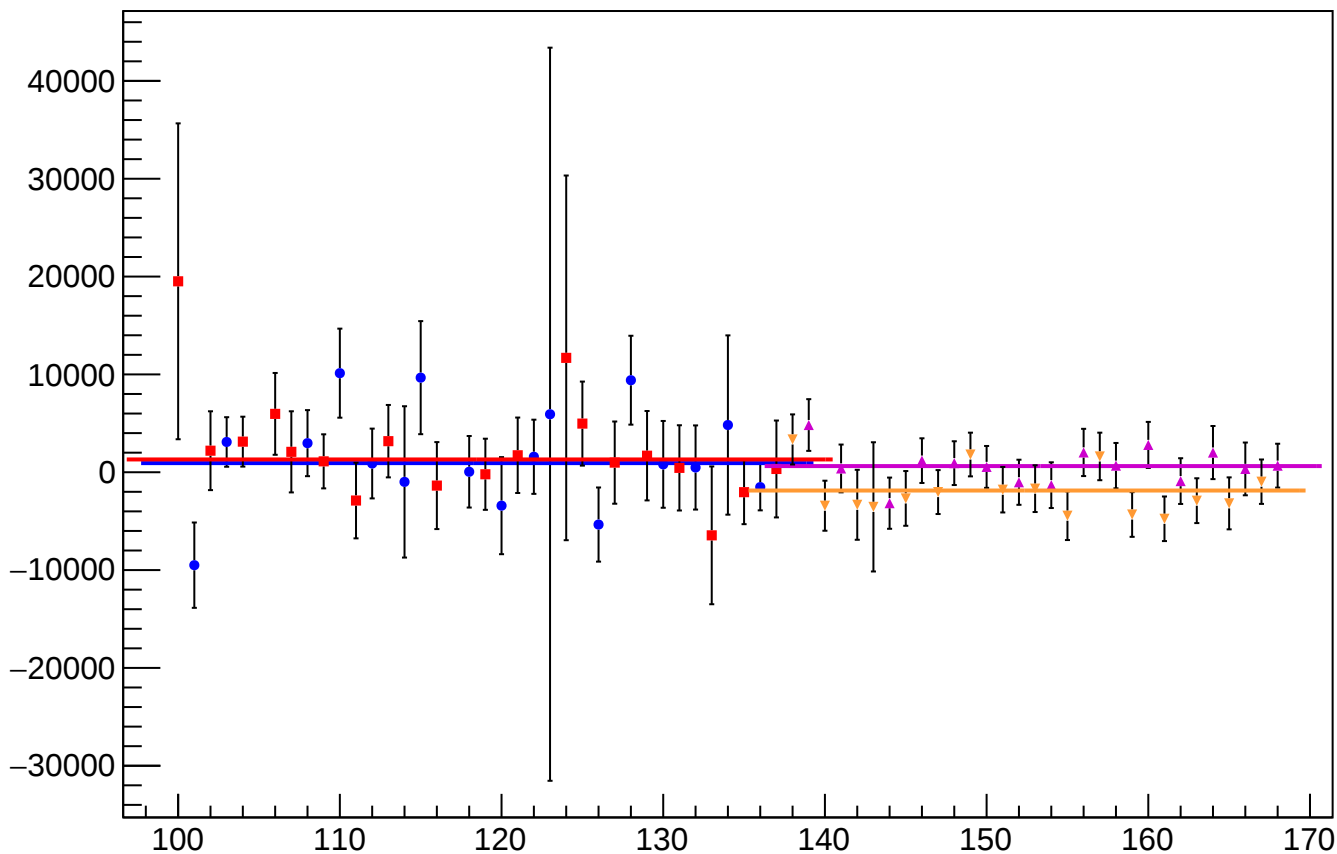
Right: 1483.562 $\pm$ 0.305 χ^2 /NDF: 3144570.0/35

In: 1092.968 $\pm$ 0.188 χ^2 /NDF: 2666538.3/31

Out: 1092.211 $\pm$ 0.188 χ^2 /NDF: 3591048.3/34

All: 1092.590 $\pm$ 0.133 χ^2 /NDF: 6257594.8/66

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 $\pm$ 967.941 χ^2/NDF : 21.6/16

Left Out: -1868.396 $\pm$ 628.045 χ^2/NDF : 14.1/15

Right Out: 1307.802 $\pm$ 925.415 χ^2/NDF : 8.5/18

Left In: 629.682 $\pm$ 616.431 χ^2/NDF : 7.8/14

Left: -596.046 $\pm$ 439.931 χ^2/NDF : 29.9/30

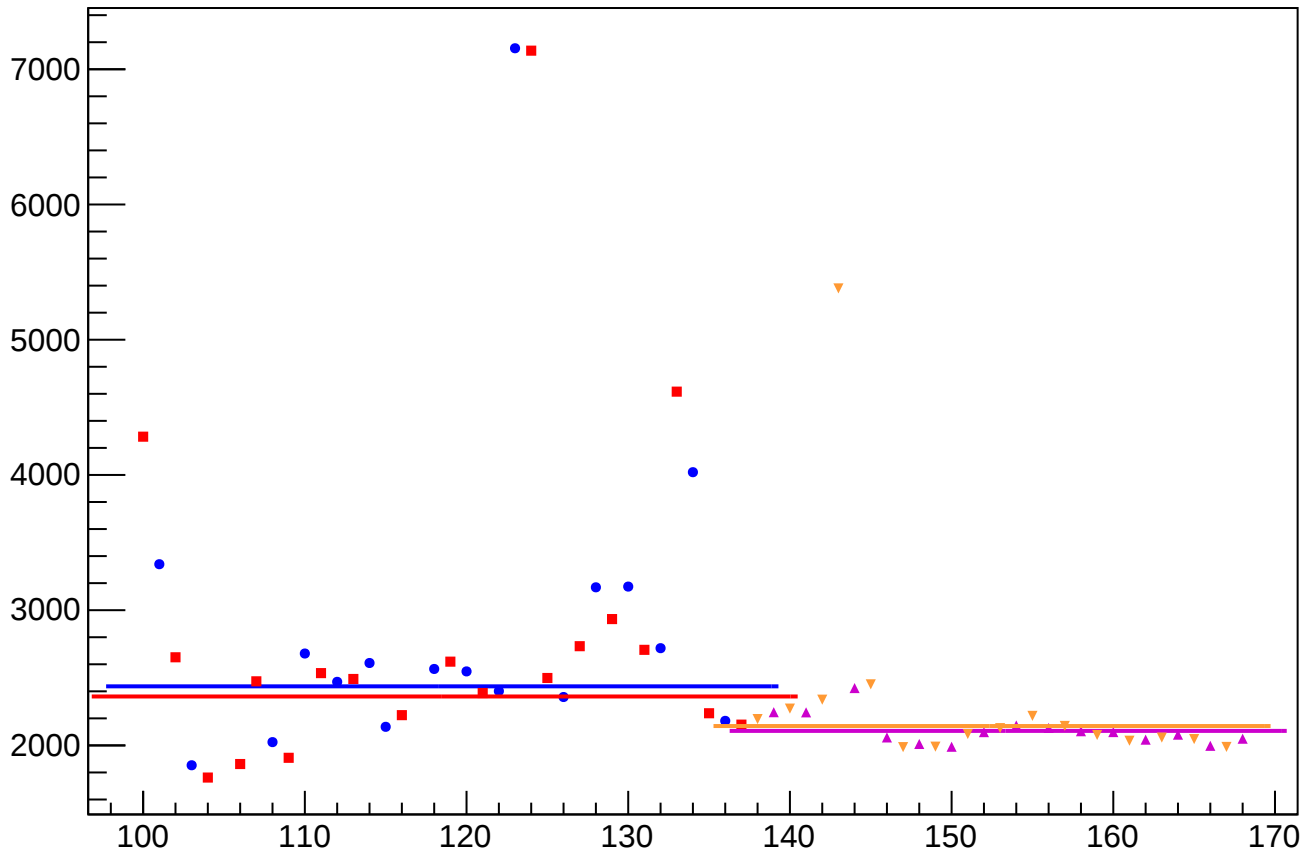
Right: 1128.728 $\pm$ 668.896 χ^2/NDF : 30.2/35

In: 717.151 $\pm$ 519.945 χ^2/NDF : 29.5/31

Out: -866.808 $\pm$ 519.670 χ^2/NDF : 30.6/34

All: -75.248 $\pm$ 367.559 χ^2/NDF : 64.7/66

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855 $\pm$ 0.684 χ^2 /NDF: 469030.2/16

Left Out: 2143.316 $\pm$ 0.444 χ^2 /NDF: 559537.3/15

Right Out: 2361.880 $\pm$ 0.654 χ^2 /NDF: 655847.5/18

Left In: 2107.372 $\pm$ 0.436 χ^2 /NDF: 58912.7/14

Left: 2125.009 $\pm$ 0.311 χ^2 /NDF: 621786.7/30

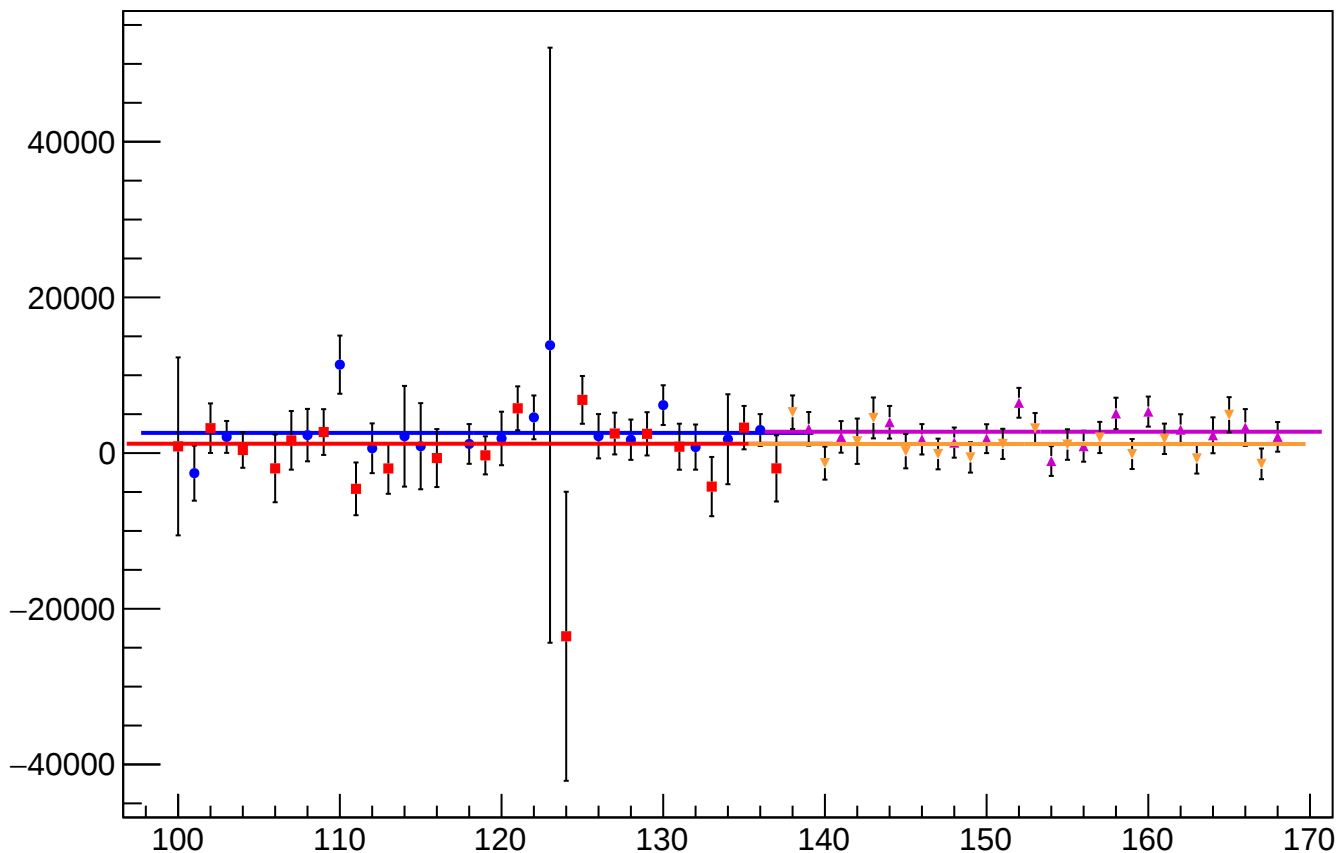
Right: 2397.684 $\pm$ 0.473 χ^2 /NDF: 1131146.9/35

In: 2202.443 $\pm$ 0.368 χ^2 /NDF: 692814.9/31

Out: 2212.239 $\pm$ 0.367 χ^2 /NDF: 1291766.5/34

All: 2207.344 $\pm$ 0.260 χ^2 /NDF: 1984936.5/66

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1171.167 $\pm$ 519.592 χ^2 /NDF:15.0/15

Right Out: 1202.548 $\pm$ 739.618 χ^2 /NDF: 17.2/18

Left In: 2742.710 $\pm$ 518.869 χ^2 /NDF:13.4/14

Left: 1958.033 $\pm$ 367.151 χ^2 /NDF: 33.0/30

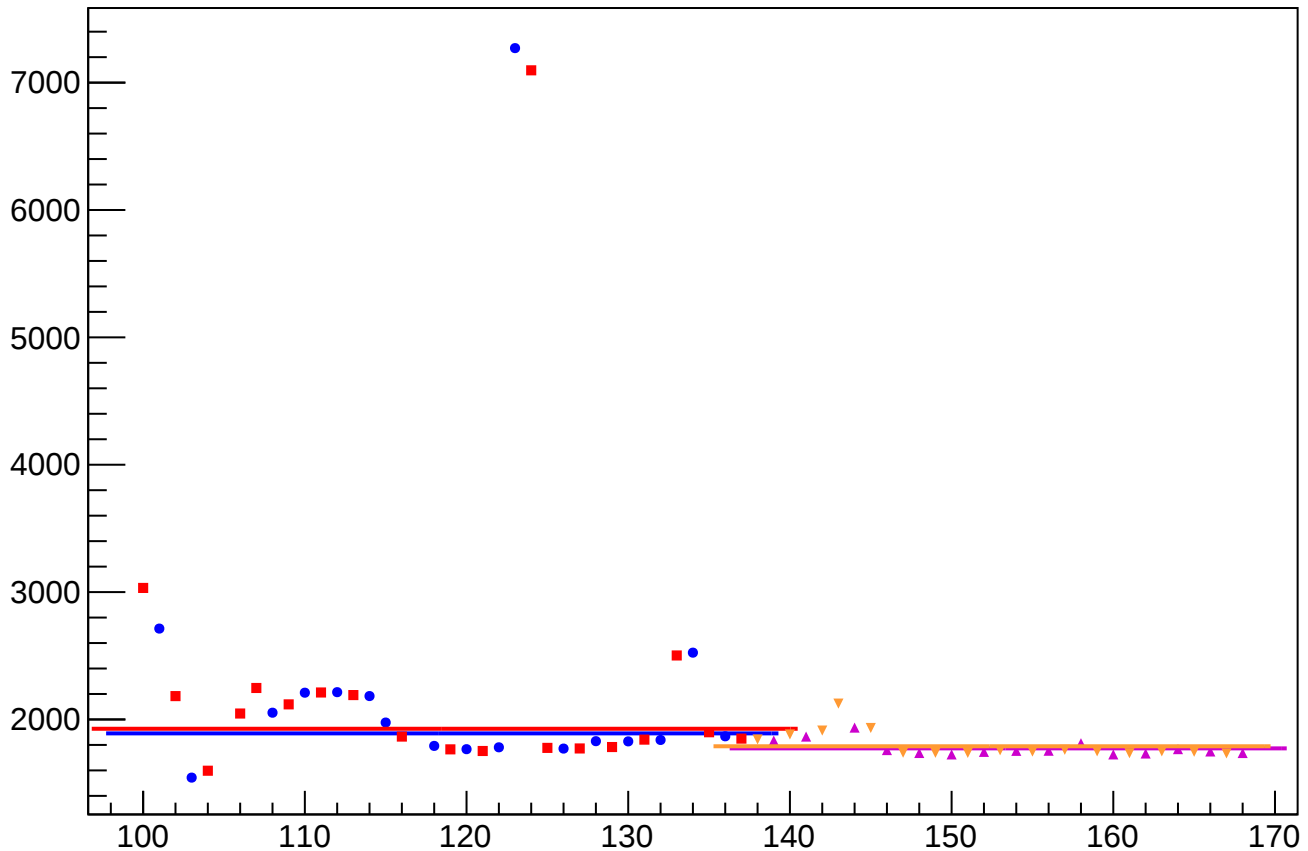
Right: 1895.439 $\pm$ 524.180 χ^2 /NDF: 30.7/35

In: 2694.185 $\pm$ 425.405 χ^2 /NDF:25.1/31

Out: 1181.537 $\pm$ 425.163 χ^2 /NDF:32.2/34

All: 1937.432 $\pm$ 300.721 χ^2 /NDF: 63.6/66

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1789.505+/-0.367 χ^2/NDF : 61218.1/15

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

Left In: 1772.970+/-0.367 χ^2/NDF : 24596.2/14

Left: 1781.226+/-0.260 χ^2/NDF : 86828.4/30

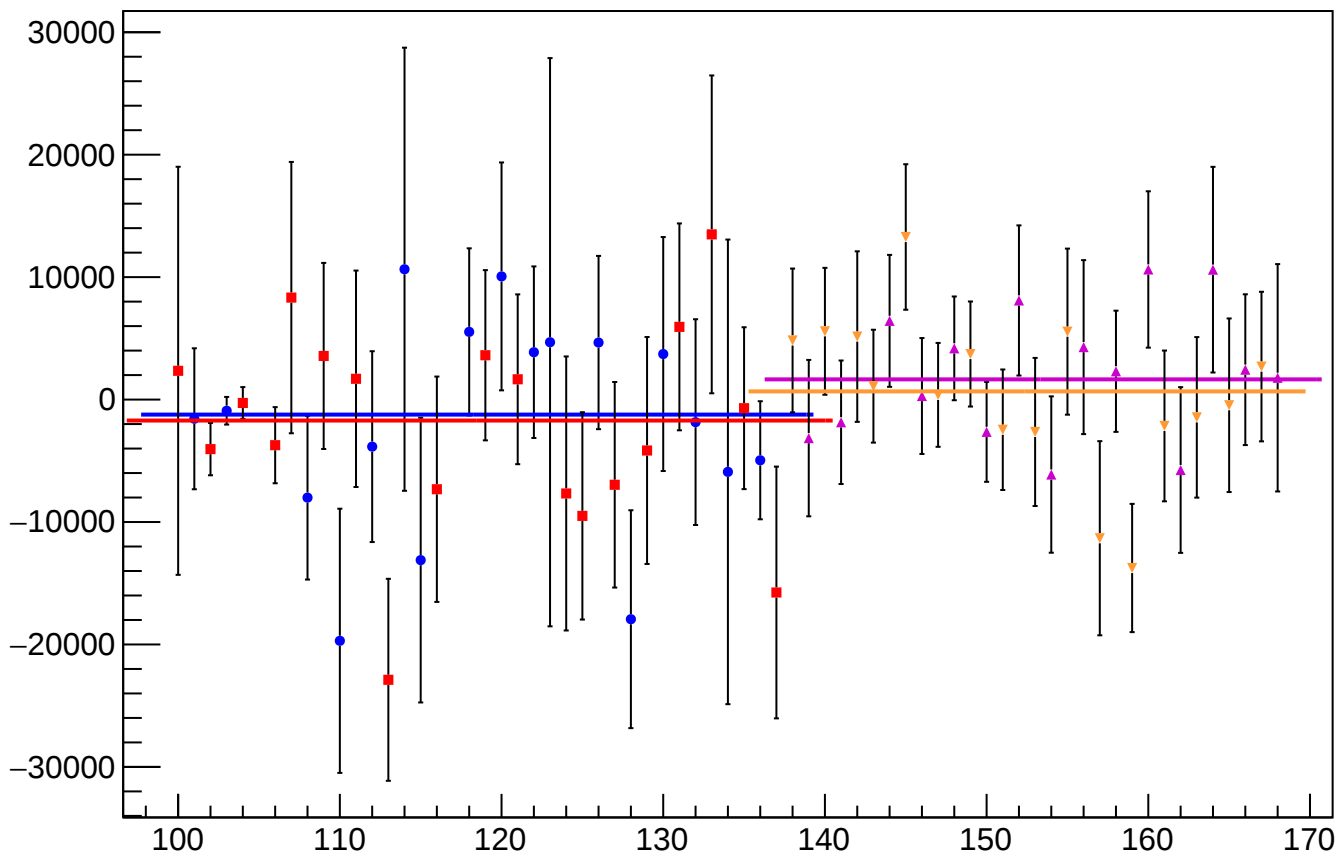
Right: 1908.946+/-0.370 χ^2/NDF : 653591.4/35

In: 1811.570+/-0.301 χ^2/NDF : 347306.7/31

Out: 1835.018+/-0.300 χ^2/NDF : 469814.3/34

All: 1823.307+/-0.213 χ^2/NDF : 820162.2/66

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 ± 984.603 $\chi^2/\text{NDF}: 13.8/16$

Left Out: 669.503 ± 1398.445 $\chi^2/\text{NDF}: 18.4/15$

Right Out: -1711.747 ± 941.580 $\chi^2/\text{NDF}: 17.8/18$

Left In: 1650.310 ± 1460.228 $\chi^2/\text{NDF}: 10.4/14$

Left: 1138.719 ± 1009.986 $\chi^2/\text{NDF}: 29.1/30$

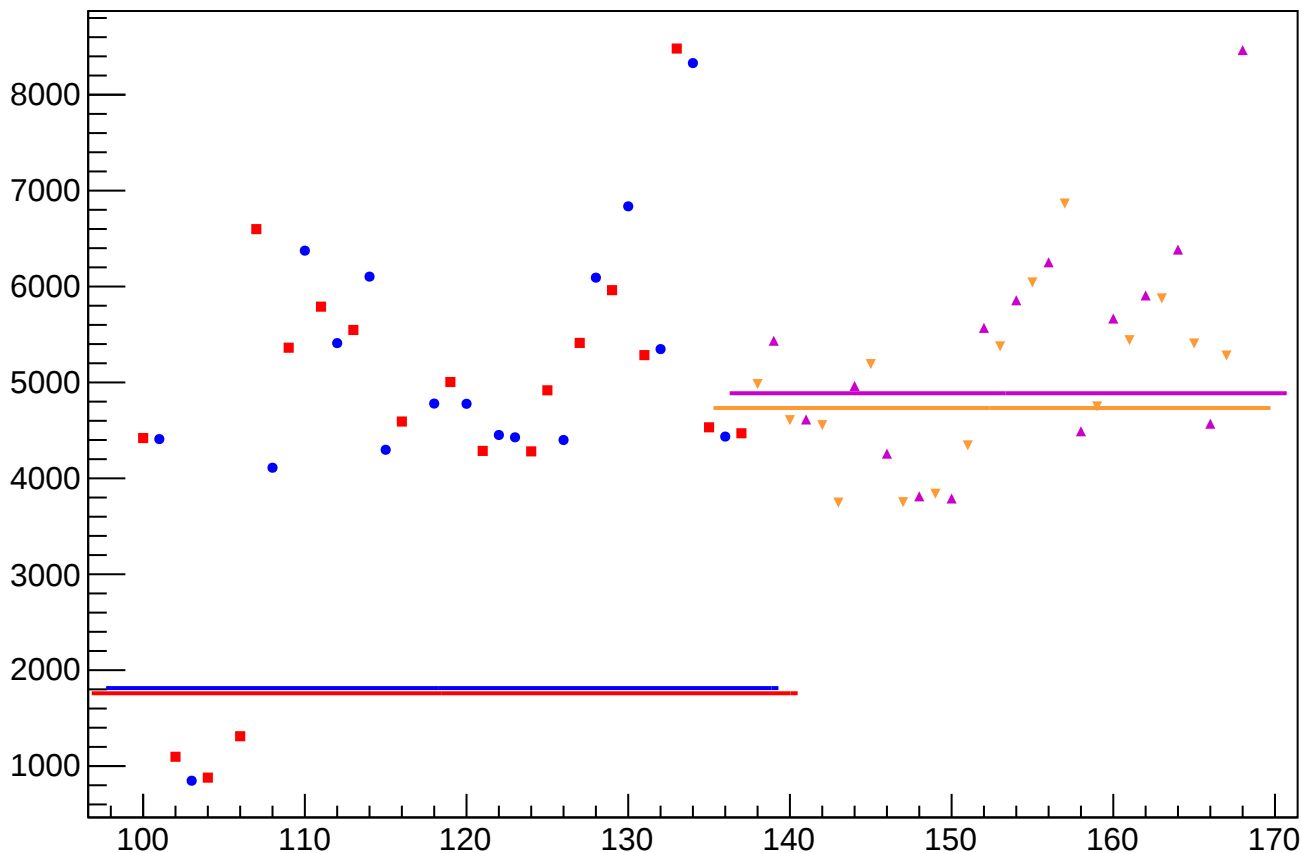
Right: -1480.155 ± 680.499 $\chi^2/\text{NDF}: 31.8/35$

In: -327.635 ± 816.359 $\chi^2/\text{NDF}: 26.9/31$

Out: -968.965 ± 781.041 $\chi^2/\text{NDF}: 38.2/34$

All: -662.472 ± 564.352 $\chi^2/\text{NDF}: 65.4/66$

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4733.435+/-0.989 χ^2/NDF : 679160.3/15

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

Left In: 4887.282+/-1.033 χ^2/NDF : 928472.8/14

Left: 4807.035+/-0.714 χ^2/NDF : 1619212.9/30

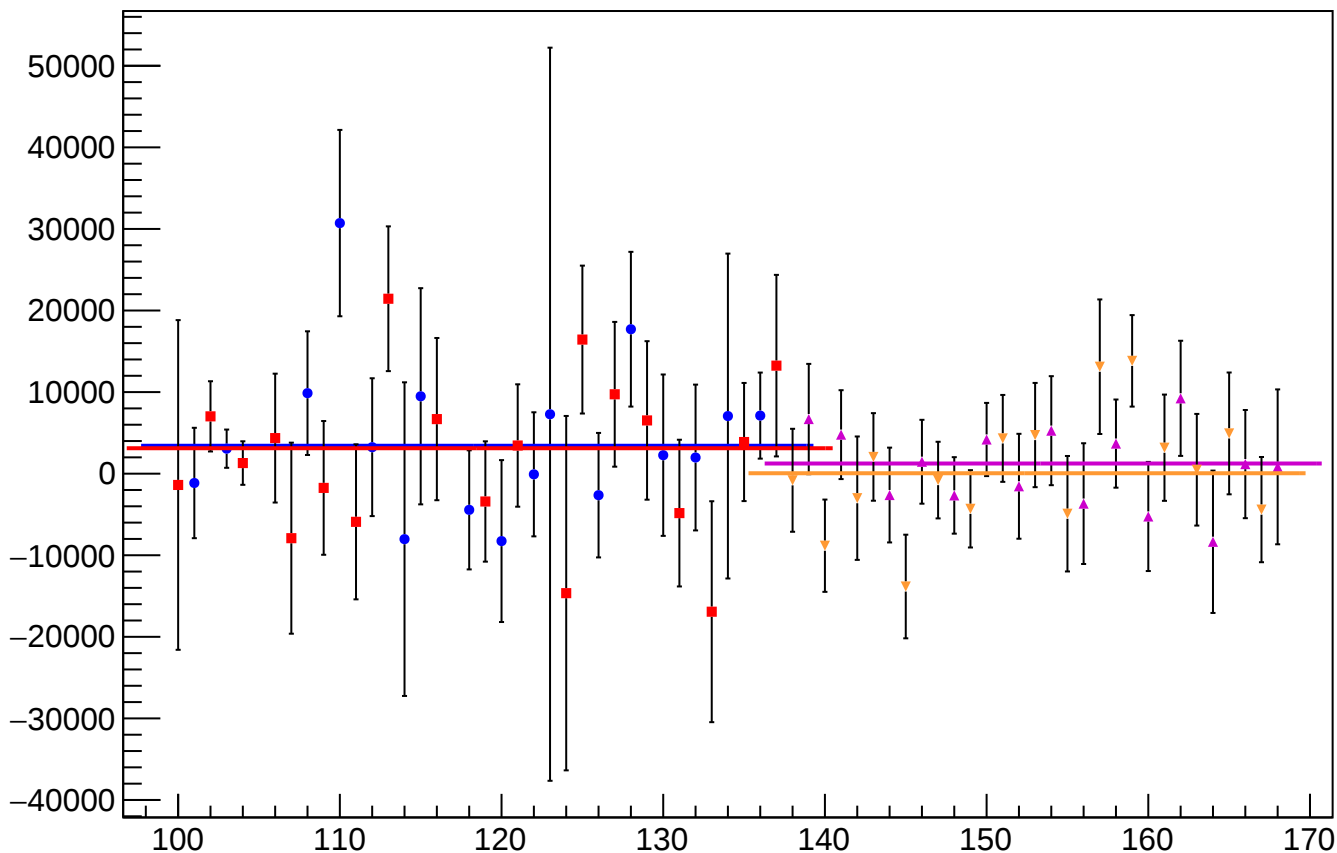
Right: 1784.958+/-0.481 χ^2/NDF : 12765256.3/35

In: 2774.005+/-0.577 χ^2/NDF : 13470933.6/31

Out: 2686.907+/-0.552 χ^2/NDF : 13217259.3/34

All: 2728.531+/-0.399 χ^2/NDF : 26700078.9/6

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: 52.620+/-1513.995 χ^2/NDF : 19.8/15

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

Left In: 1245.697+/-1568.033 χ^2/NDF : 7.3/14

Left: 628.246+/-1089.159 χ^2/NDF : 27.4/30

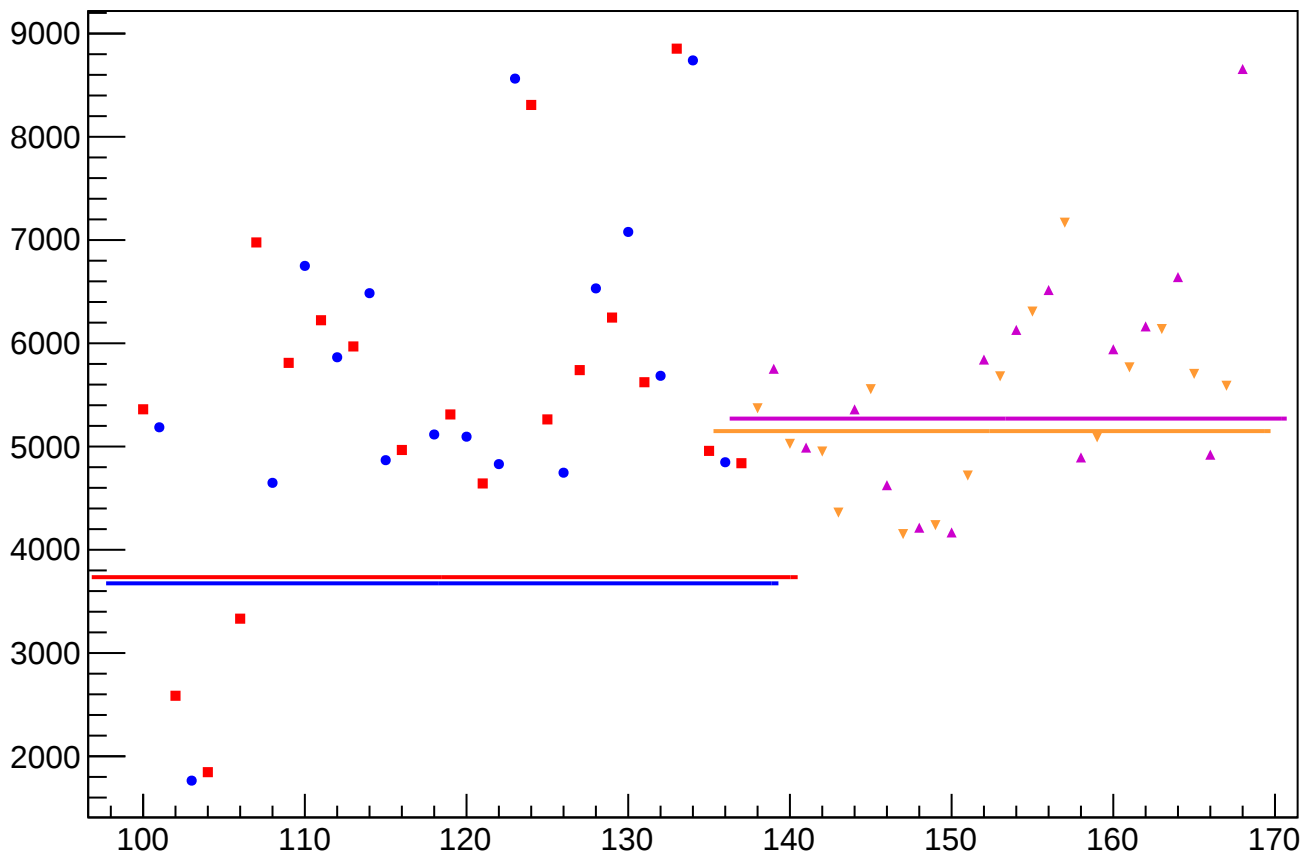
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2307.002+/-1122.180 χ^2/NDF : 21.9/31

Out: 1494.993+/-1101.624 χ^2/NDF : 37.7/34

All: 1893.492+/-786.133 χ^2/NDF : 59.9/66

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5149.464+/-1.071 χ^2/NDF : 500655.1/15

Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

Left In: 5270.662+/-1.109 χ^2/NDF : 746646.4/14

Left: 5207.939+/-0.770 χ^2/NDF : 1253485.2/30

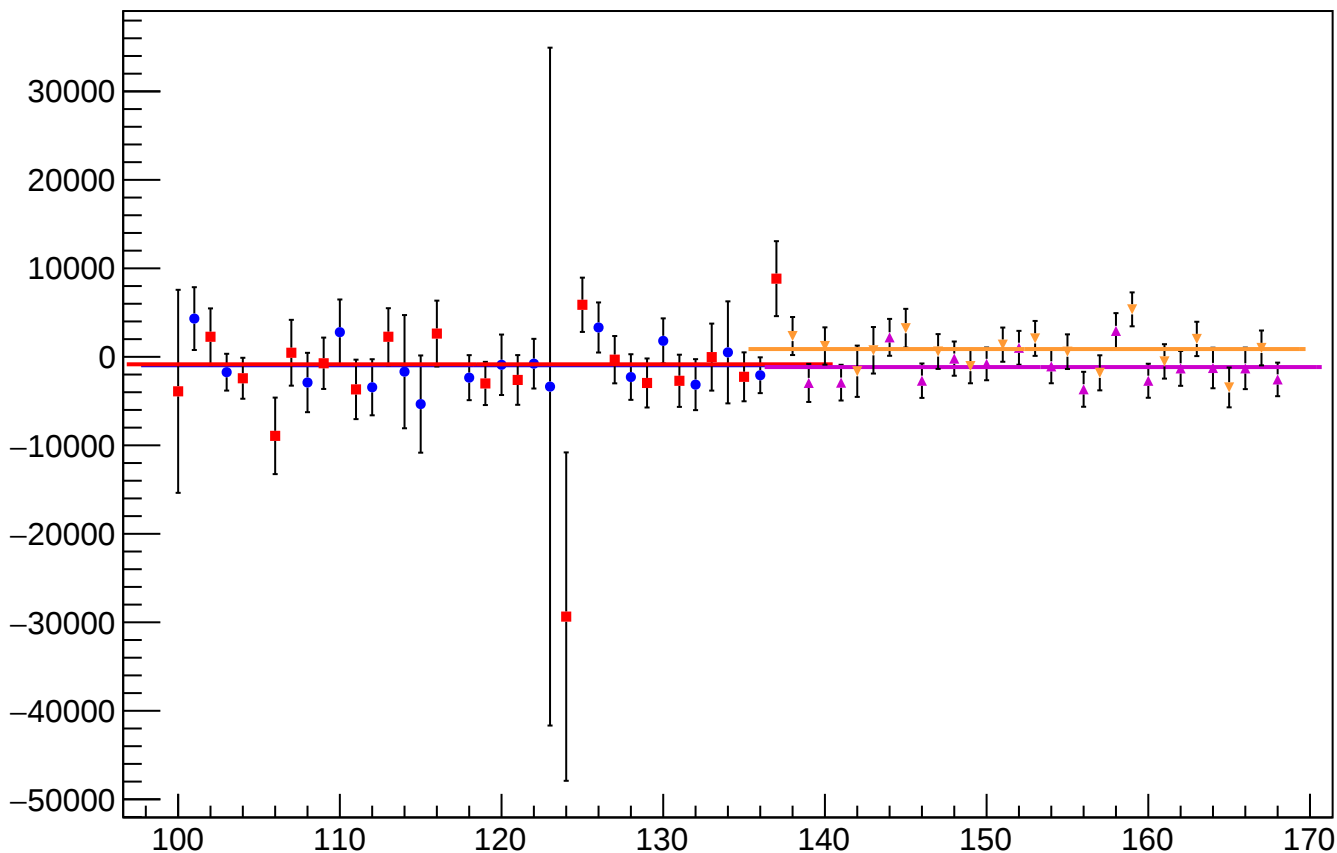
Right: 3705.112+/-0.800 χ^2/NDF : 5470409.5/35

In: 4492.253+/-0.794 χ^2/NDF : 4532072.1/31

Out: 4479.082+/-0.777 χ^2/NDF : 4022066.2/34

All: 4485.525+/-0.555 χ^2/NDF : 8554279.0/66

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 880.886+/-517.431 χ^2/NDF :15.8/15

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

Left In: -1155.076+/-516.699 χ^2/NDF :13.2/14

Left: -138.536+/-365.620 χ^2/NDF : 36.7/30

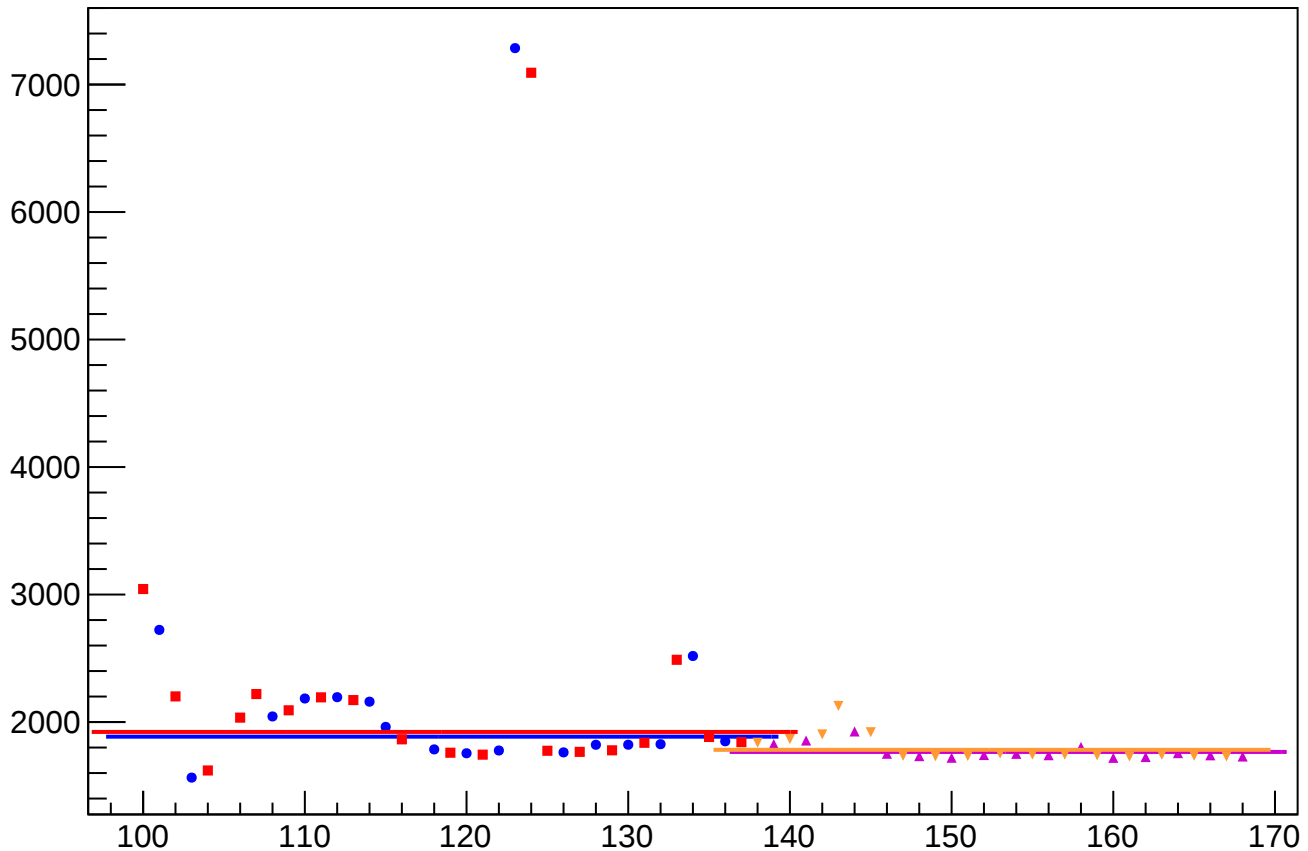
Right: -897.217+/-522.617 χ^2/NDF : 32.5/35

In: -1088.395+/-423.771 χ^2/NDF :23.2/31

Out: 312.088+/-423.582 χ^2/NDF :41.9/34

All: -387.840+/-299.584 χ^2/NDF : 70.6/66

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360 ± 0.524 $\chi^2/\text{NDF}: 280429.0/16$

Left Out: 1782.110 ± 0.366 $\chi^2/\text{NDF}: 61447.9/15$

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

Left In: 1765.586 ± 0.365 $\chi^2/\text{NDF}: 23869.9/14$

Left: 1773.836 ± 0.259 $\chi^2/\text{NDF}: 86339.1/30$

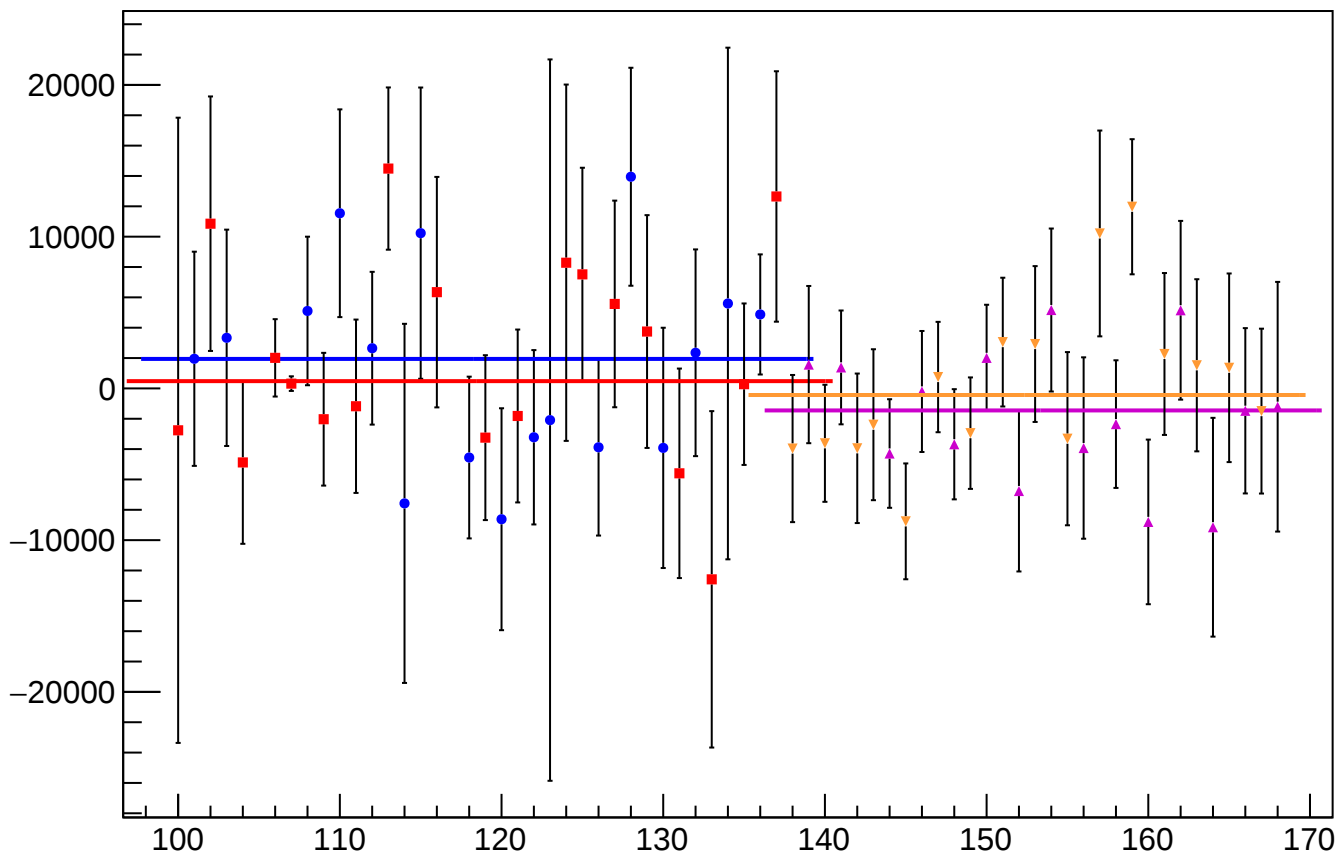
Right: 1904.057 ± 0.369 $\chi^2/\text{NDF}: 634475.3/35$

In: 1804.794 ± 0.300 $\chi^2/\text{NDF}: 339479.0/31$

Out: 1828.528 ± 0.299 $\chi^2/\text{NDF}: 461652.5/34$

All: 1816.672 ± 0.212 $\chi^2/\text{NDF}: 804271.2/66$

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -434.688+/-1168.725 χ^2/NDF :19.3/15

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

Left In: -1451.443+/-1202.028 χ^2/NDF :10.0/14

Left: -928.785+/-837.939 χ^2/NDF : 29.6/30

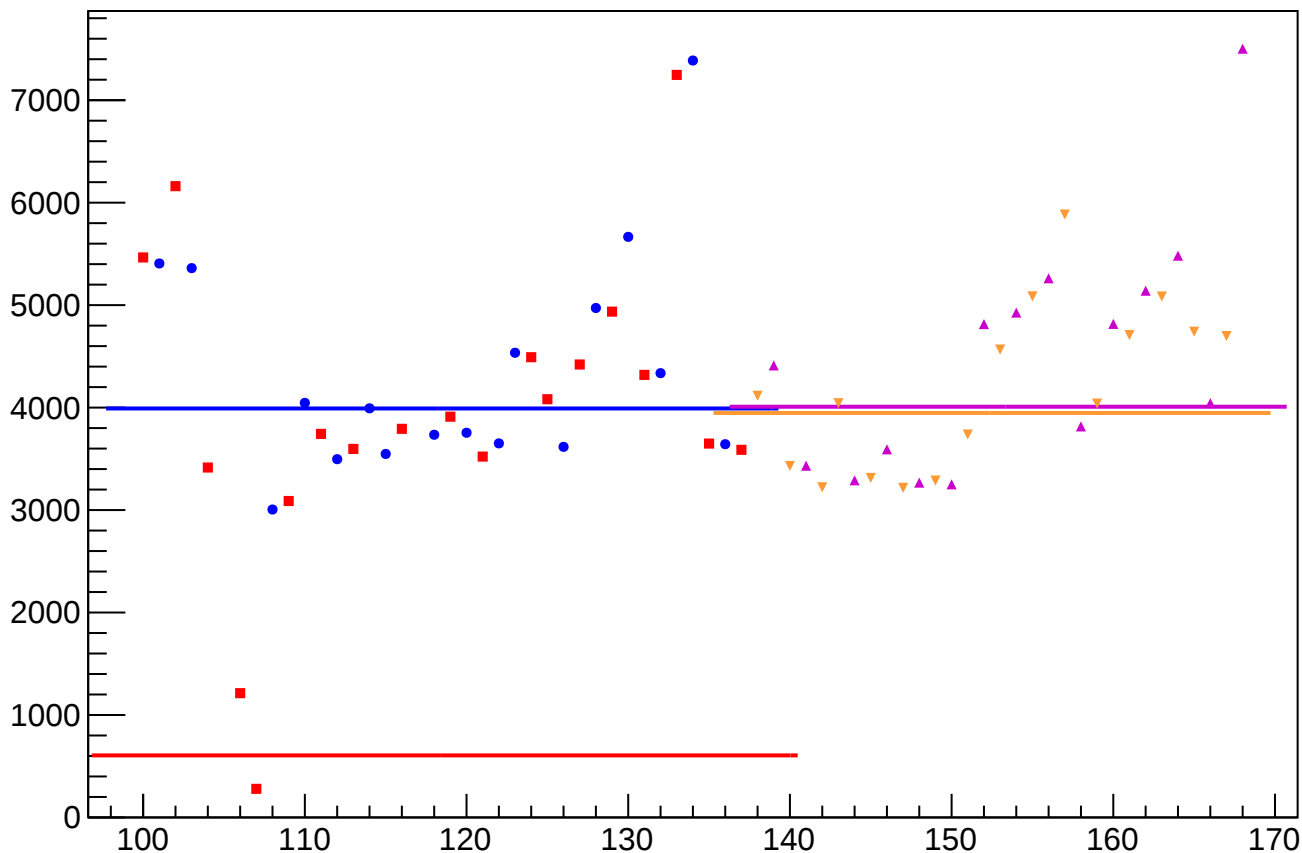
Right: 590.230+/-436.086 χ^2/NDF : 32.0/35

In: -208.032+/-956.886 χ^2/NDF :26.1/31

Out: 359.198+/-422.936 χ^2/NDF :37.9/34

All: 266.496+/-386.835 χ^2/NDF : 64.3/66

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3947.659+/-0.826 χ^2/NDF : 752004.9/15

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

Left In: 4008.537+/-0.850 χ^2/NDF : 1098133.1/14

Left: 3977.243+/-0.593 χ^2/NDF : 1852775.1/30

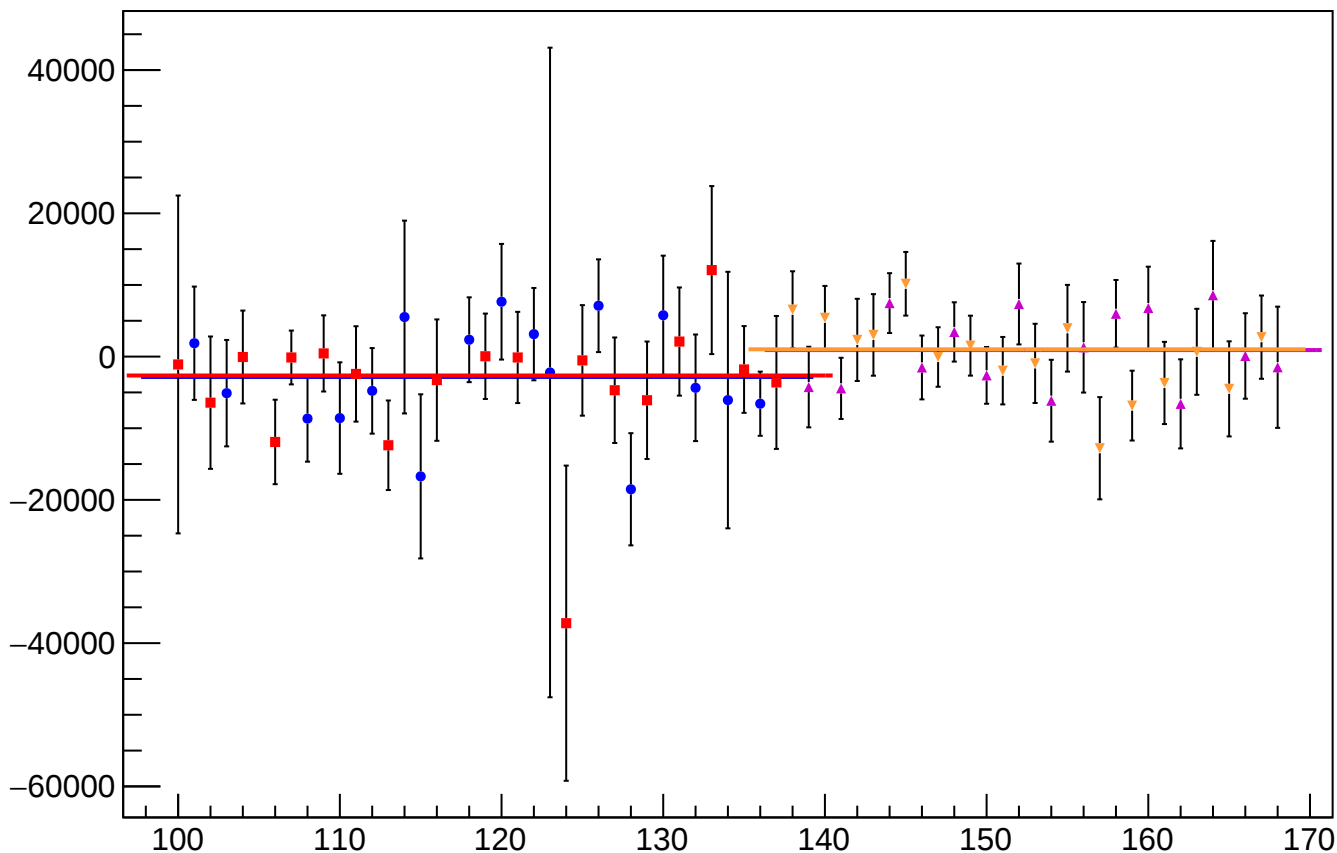
Right: 863.300+/-0.308 χ^2/NDF : 19230863.1/35

In: 4002.266+/-0.677 χ^2/NDF : 1609064.5/31

Out: 1043.376+/-0.299 χ^2/NDF : 25210141.8/34

All: 1526.947+/-0.274 χ^2/NDF : 42817348.7/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 ± 1786.019 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 1015.662 ± 1302.235 $\chi^2/\text{NDF}: 15.1/15$

Right Out: -2637.071 ± 1575.105 $\chi^2/\text{NDF}: 11.2/18$

Left In: 912.149 ± 1332.341 $\chi^2/\text{NDF}: 13.9/14$

Left: 965.088 ± 931.281 $\chi^2/\text{NDF}: 29.0/30$

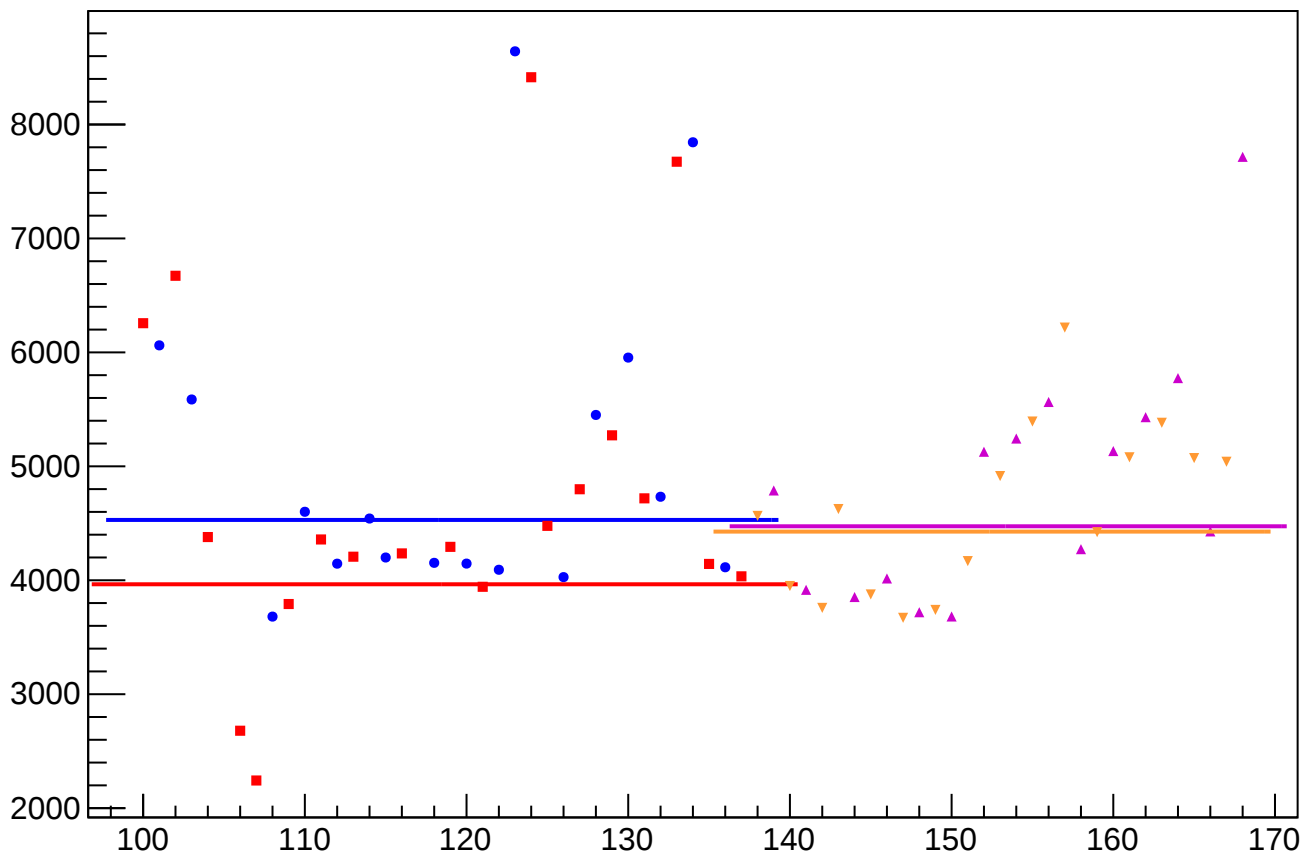
Right: -2725.676 ± 1181.334 $\chi^2/\text{NDF}: 26.6/35$

In: -429.212 ± 1067.928 $\chi^2/\text{NDF}: 32.2/31$

Out: -467.389 ± 1003.641 $\chi^2/\text{NDF}: 29.5/34$

All: -449.484 ± 731.353 $\chi^2/\text{NDF}: 61.7/66$

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4427.153 $\pm$ 0.921 χ^2 /NDF: 521412.1/15

Right Out: 3964.829 $\pm$ 1.107 χ^2 /NDF: 1140409.6/18

Left In: 4473.793 $\pm$ 0.942 χ^2 /NDF: 804551.9/14

Left: 4449.940 $\pm$ 0.659 χ^2 /NDF: 1327217.4/30

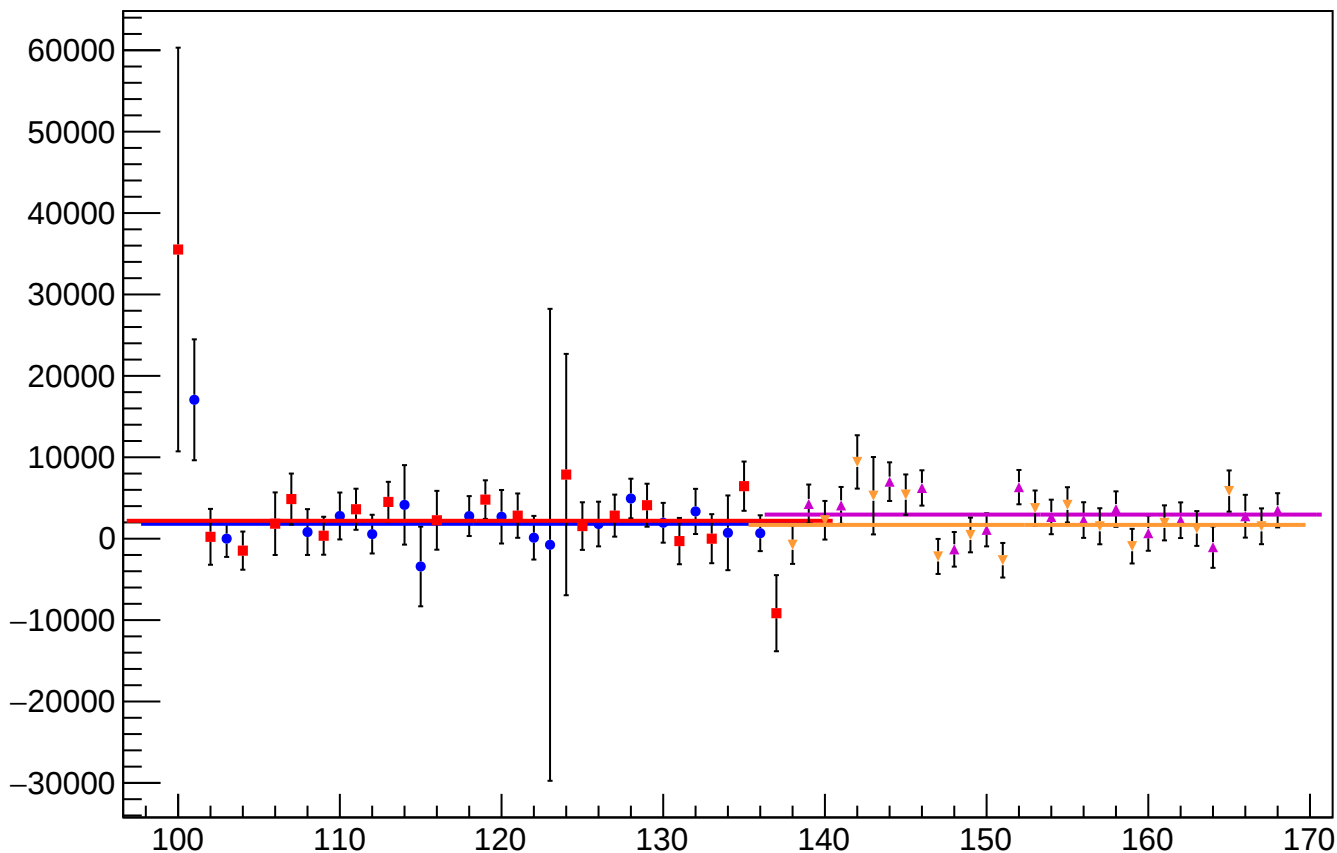
Right: 4210.073 $\pm$ 0.832 χ^2 /NDF: 1642804.6/35

In: 4493.696 $\pm$ 0.755 χ^2 /NDF: 1195126.4/31

Out: 4238.013 $\pm$ 0.708 χ^2 /NDF: 1764950.7/34

All: 4357.595 $\pm$ 0.516 χ^2 /NDF: 3021102.3/66

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1692.532+/-580.820 χ^2/NDF :23.7/15

Right Out: 2198.063+/-684.205 χ^2/NDF : 18.3/18

Left In: 2960.529+/-573.536 χ^2/NDF :17.1/14

Left: 2334.532+/-408.102 χ^2/NDF : 43.3/30

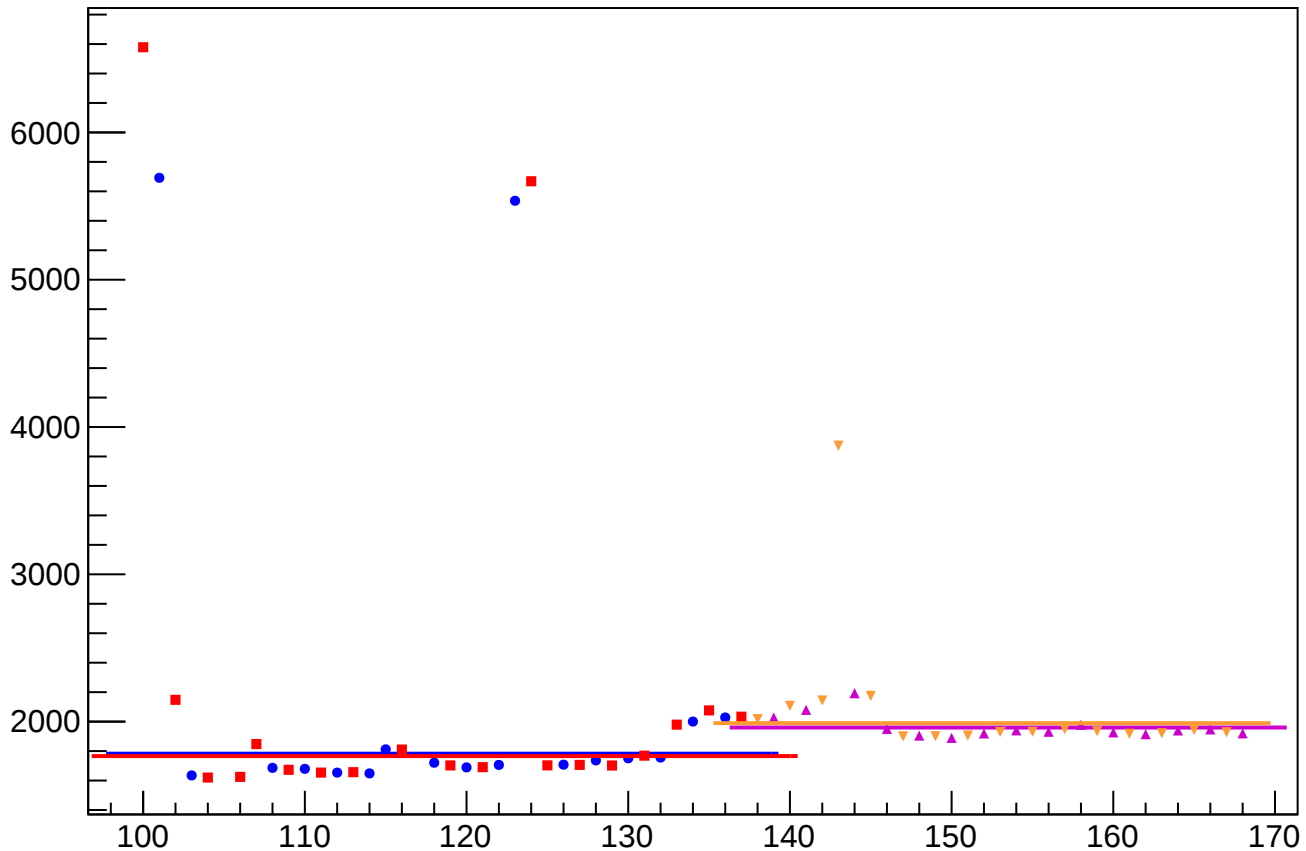
Right: 2021.233+/-493.118 χ^2/NDF : 28.2/35

In: 2515.172+/-446.485 χ^2/NDF :28.3/31

Out: 1904.257+/-442.790 χ^2/NDF :42.4/34

All: 2207.177+/-314.398 χ^2/NDF : 71.7/66

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 1989.510+/-0.411 χ^2/NDF : 356532.7/15

Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

Left In: 1959.839+/-0.406 χ^2/NDF : 33836.5/14

Left: 1974.487+/-0.289 χ^2/NDF : 393011.7/30

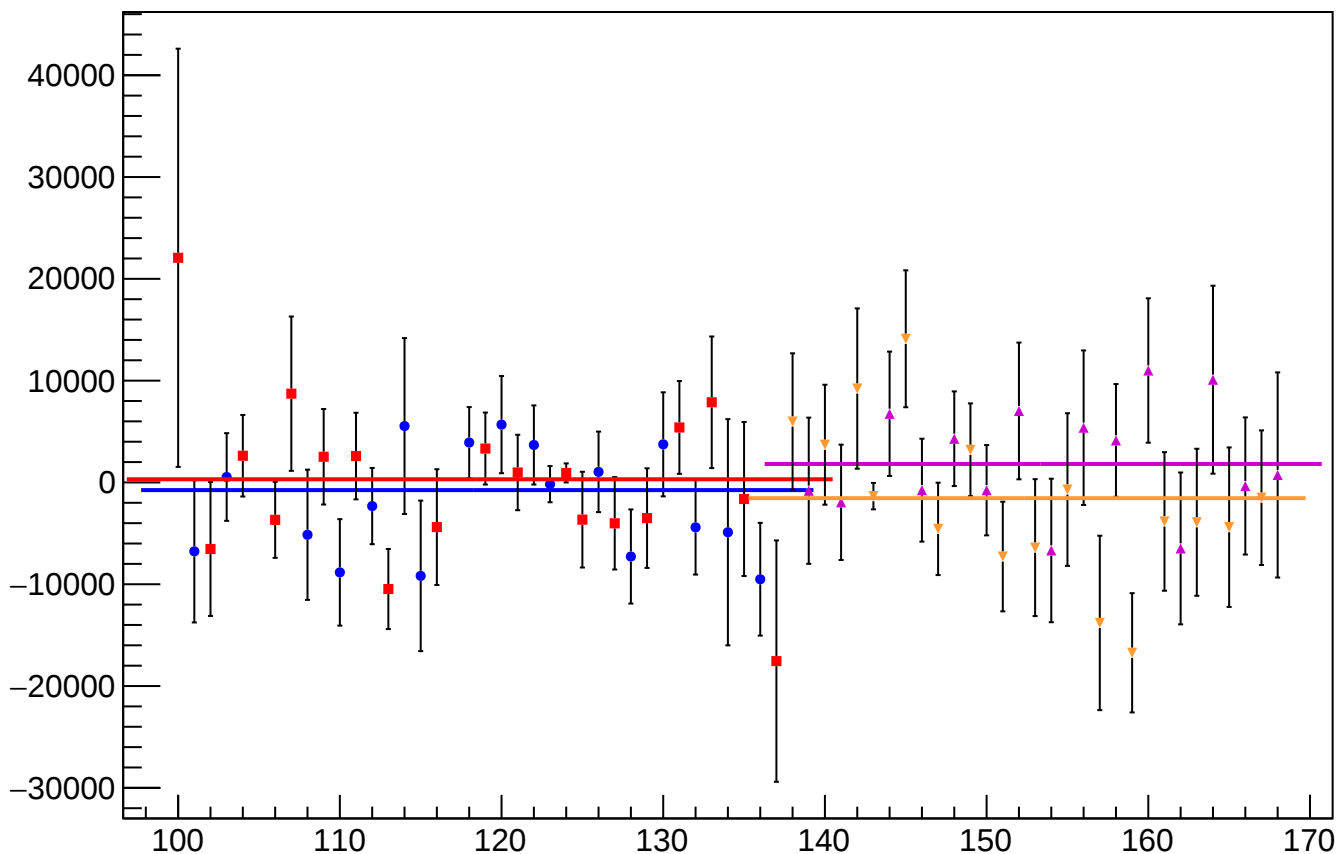
Right: 1773.682+/-0.347 χ^2/NDF : 952527.4/35

In: 1889.829+/-0.316 χ^2/NDF : 754667.0/31

Out: 1895.138+/-0.312 χ^2/NDF : 788400.2/34

All: 1892.513+/-0.222 χ^2/NDF : 1543210.1/66

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -1545.111+/-1012.362 χ^2/NDF : 21.7/15

Right Out: 311.405+/-725.132 χ^2/NDF : 22.0/18

Left In: 1815.948+/-1606.705 χ^2/NDF : 8.4/14

Left: -589.950+/-856.518 χ^2/NDF : 33.2/30

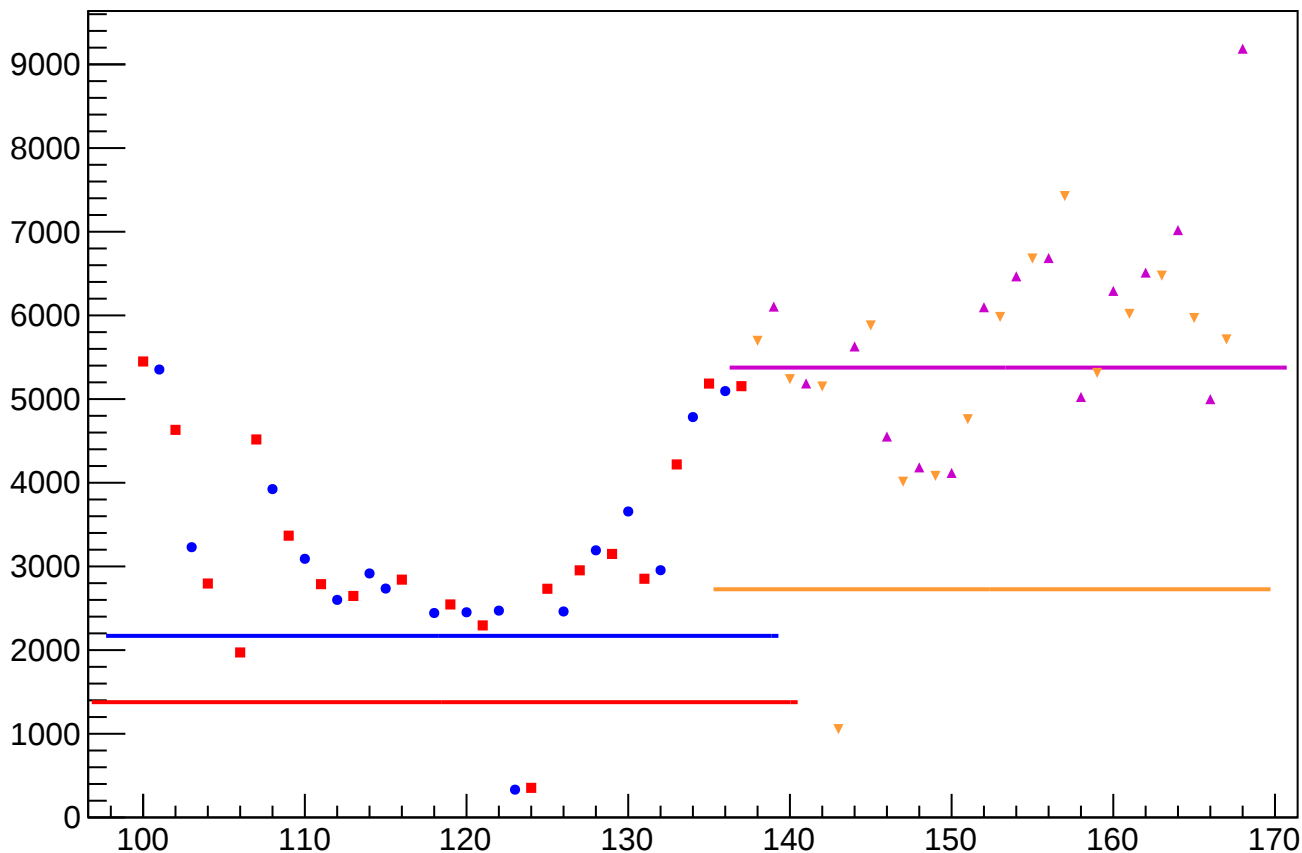
Right: -51.479+/-588.747 χ^2/NDF : 39.7/35

In: -27.215+/-854.189 χ^2/NDF : 27.2/31

Out: -318.111+/-589.508 χ^2/NDF : 45.9/34

All: -224.261+/-485.181 χ^2/NDF : 73.2/66

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2727.140+/-0.716 χ^2/NDF : 9091527.3/15

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

Left In: 5376.344+/-1.136 χ^2/NDF : 946276.8/14

Left: 3480.003+/-0.606 χ^2/NDF : 13929955.9/30

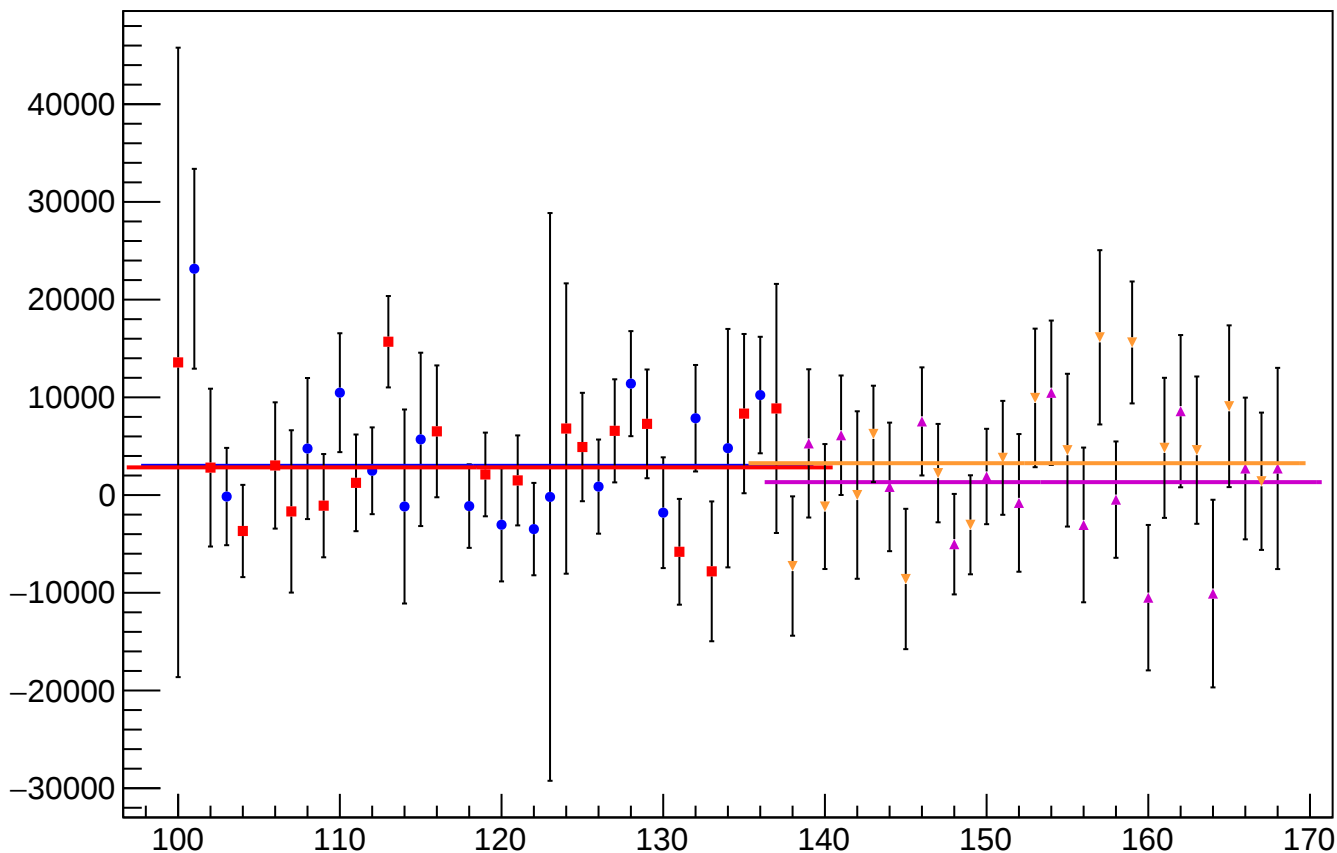
Right: 1647.801+/-0.416 χ^2/NDF : 11635181.2/35

In: 3076.419+/-0.604 χ^2/NDF : 10632800.0/31

Out: 1835.285+/-0.417 χ^2/NDF : 18287380.6/34

All: 2235.708+/-0.343 χ^2/NDF : 31780322.4/66

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 3261.247 $\pm$ 1638.525 χ^2 /NDF: 15.1/15

Right Out: 2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

Left In: 1322.898 $\pm$ 1724.675 χ^2 /NDF: 10.6/14

Left: 2341.691 $\pm$ 1187.901 χ^2 /NDF: 26.3/30

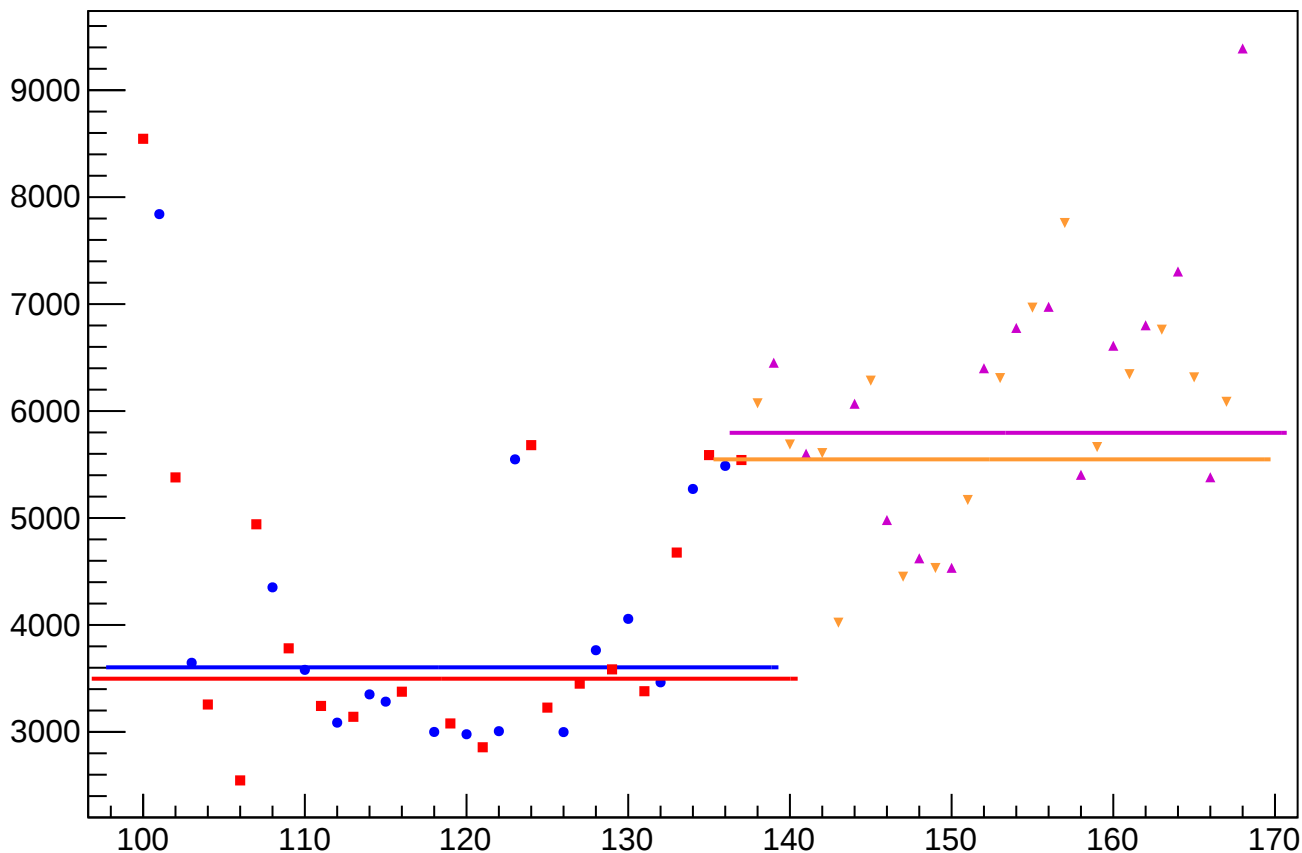
Right: 2909.269 $\pm$ 998.385 χ^2 /NDF: 33.4/35

In: 2302.820 $\pm$ 1108.616 χ^2 /NDF: 26.8/31

Out: 3010.817 $\pm$ 1055.119 χ^2 /NDF: 32.8/34

All: 2674.313 $\pm$ 764.295 χ^2 /NDF: 59.9/66

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 ± 1.023 $\chi^2/\text{NDF}: 784674.5/16$

Left Out: 5548.365 ± 1.159 $\chi^2/\text{NDF}: 725859.2/15$

Right Out: 3497.586 ± 0.962 $\chi^2/\text{NDF}: 661898.6/18$

Left In: 5796.464 ± 1.220 $\chi^2/\text{NDF}: 761486.8/14$

Left: 5666.064 ± 0.840 $\chi^2/\text{NDF}: 1509098.9/30$

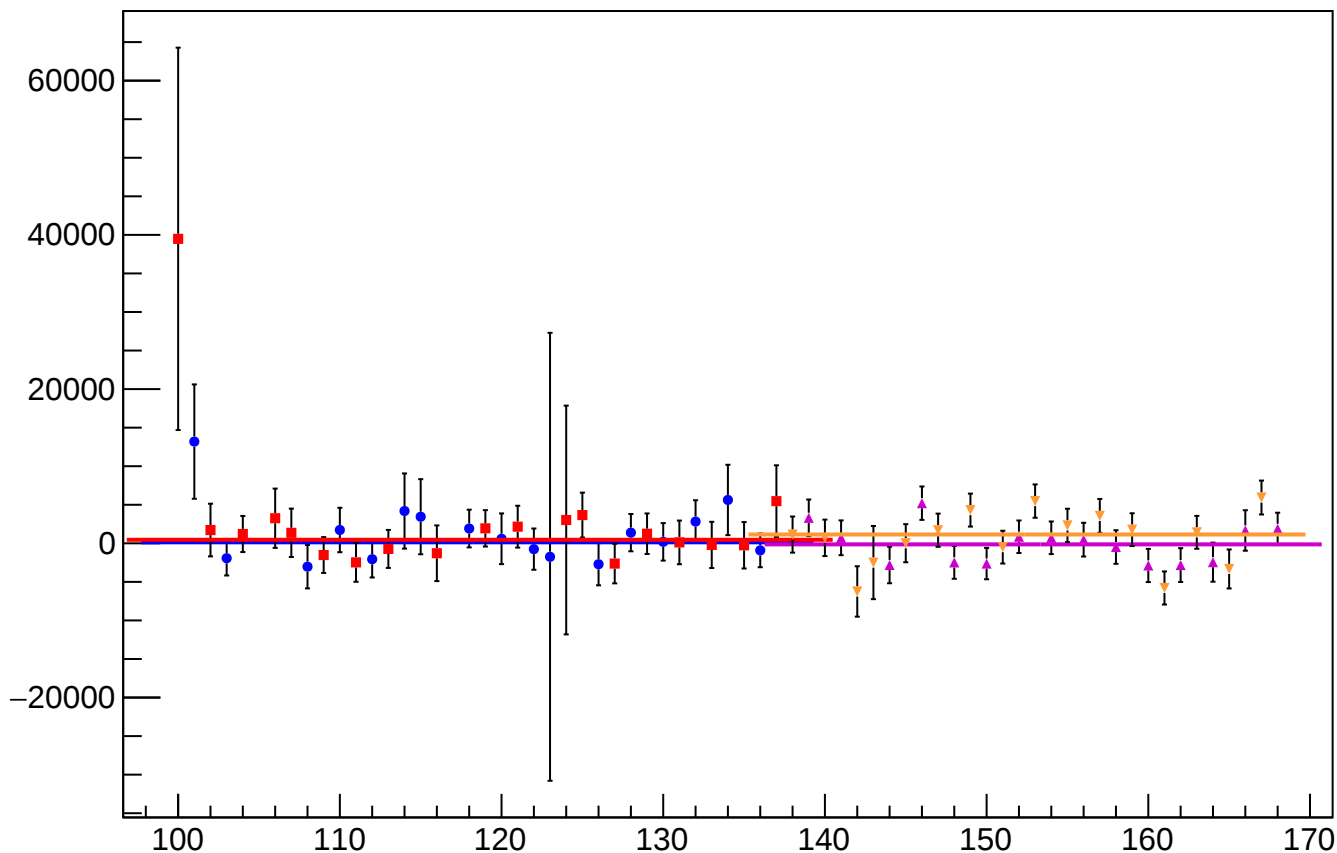
Right: 3547.455 ± 0.701 $\chi^2/\text{NDF}: 1452308.2/35$

In: 4509.852 ± 0.784 $\chi^2/\text{NDF}: 3442908.4/31$

Out: 4334.072 ± 0.740 $\chi^2/\text{NDF}: 3242852.6/34$

All: 4416.897 ± 0.538 $\chi^2/\text{NDF}: 6712350.7/66$

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1145.162 $\pm$ 579.466 χ^2 /NDF:32.8/15

Right Out: 459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

Left In: -135.805 $\pm$ 572.558 χ^2 /NDF:18.1/14

Left: 496.997 $\pm$ 407.280 χ^2 /NDF: 53.4/30

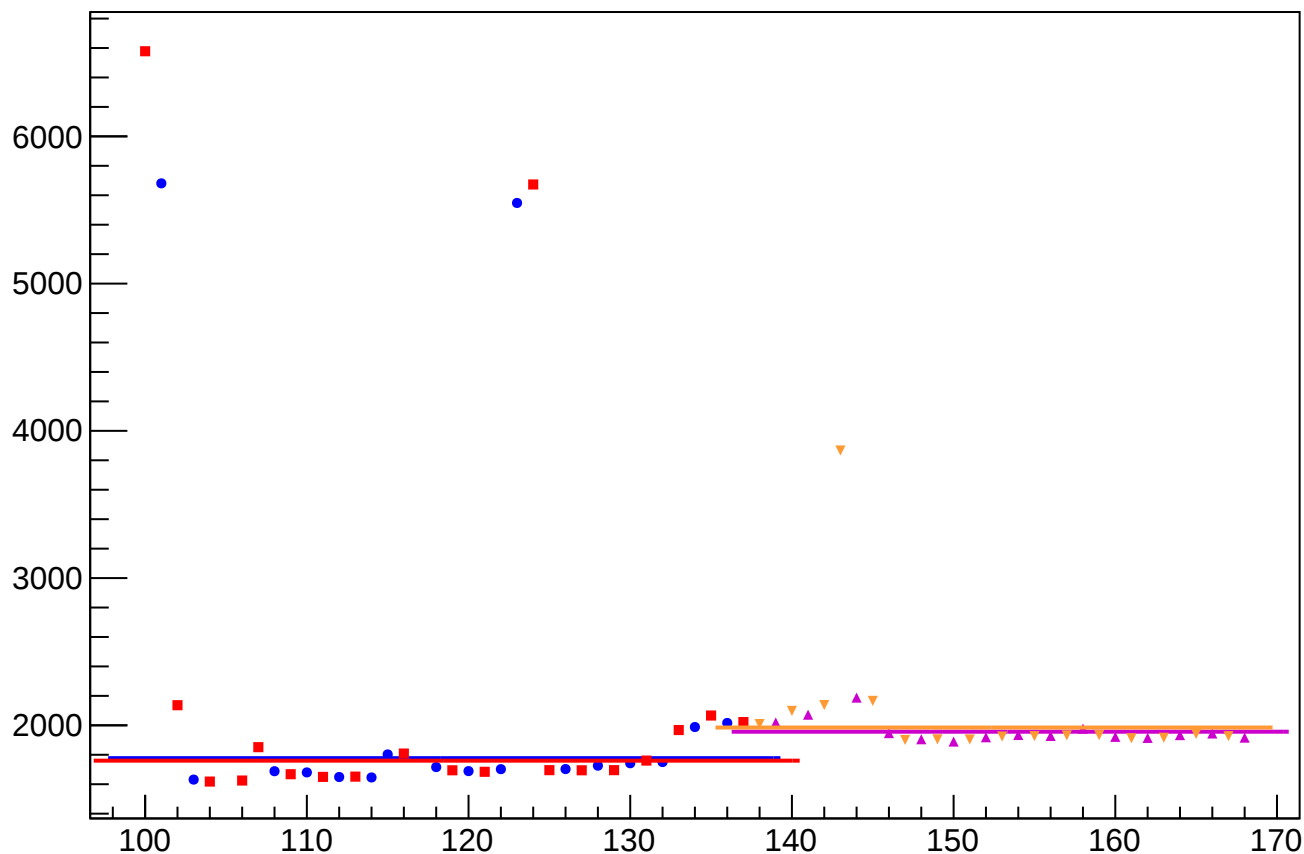
Right: 301.426 $\pm$ 491.524 χ^2 /NDF: 23.0/35

In: -30.561 $\pm$ 445.497 χ^2 /NDF:30.4/31

Out: 857.424 $\pm$ 441.550 χ^2 /NDF:44.1/34

All: 417.383 $\pm$ 313.609 χ^2 /NDF: 76.4/66

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1985.012+/-0.410 χ^2/NDF : 355043.7/15

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

Left In: 1956.566+/-0.405 χ^2/NDF : 32746.9/14

Left: 1970.618+/-0.288 χ^2/NDF : 390229.4/30

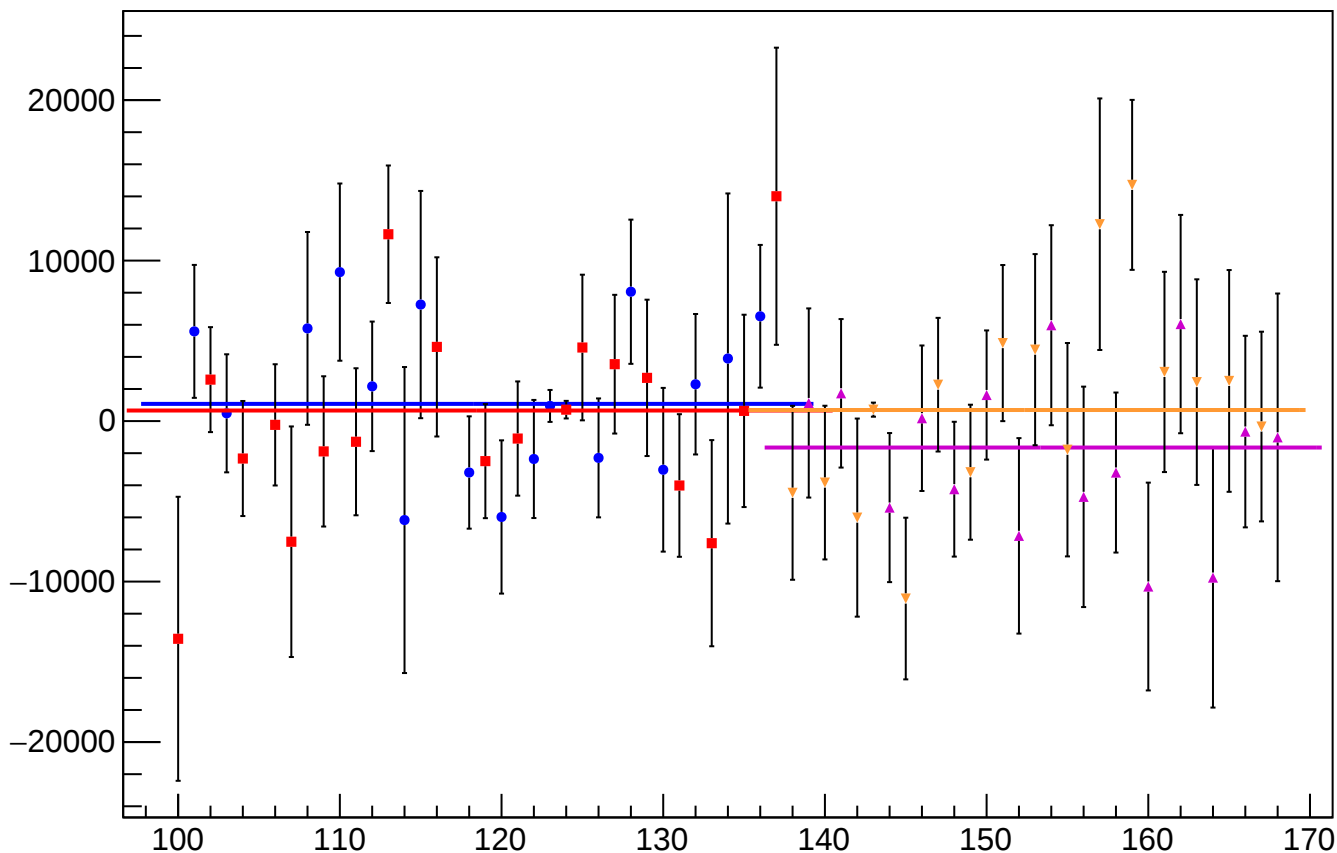
Right: 1768.045+/-0.346 χ^2/NDF : 950324.7/35

In: 1885.663+/-0.315 χ^2/NDF : 754049.8/31

Out: 1889.897+/-0.311 χ^2/NDF : 788680.0/34

All: 1887.805+/-0.221 χ^2/NDF : 1542821.1/66

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 690.318+/-419.098 χ^2/NDF : 20.2/15

Right Out: 658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: -1648.142+/-1408.059 χ^2/NDF : 9.3/14

Left: 500.011+/-401.683 χ^2/NDF : 32.1/30

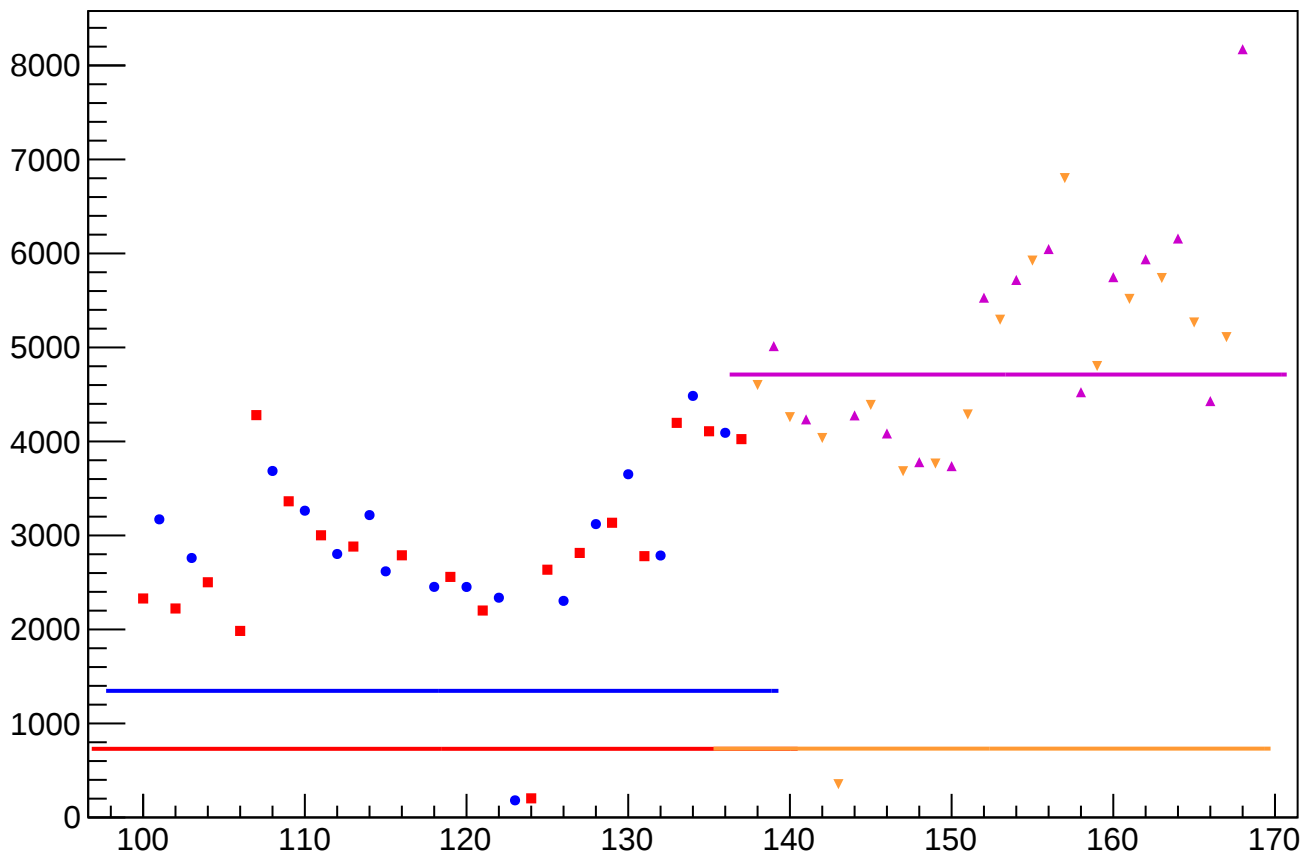
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 468.124+/-663.519 χ^2/NDF : 27.8/31

Out: 676.923+/-317.951 χ^2/NDF : 40.0/34

All: 637.932+/-286.731 χ^2/NDF : 67.9/66

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 732.234 $\pm$ 0.296 χ^2 /NDF: 17461811.9/15

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

Left In: 4711.816 $\pm$ 0.996 χ^2 /NDF: 947519.4/14

Left: 1056.098 $\pm$ 0.284 χ^2 /NDF: 33085018.5/30

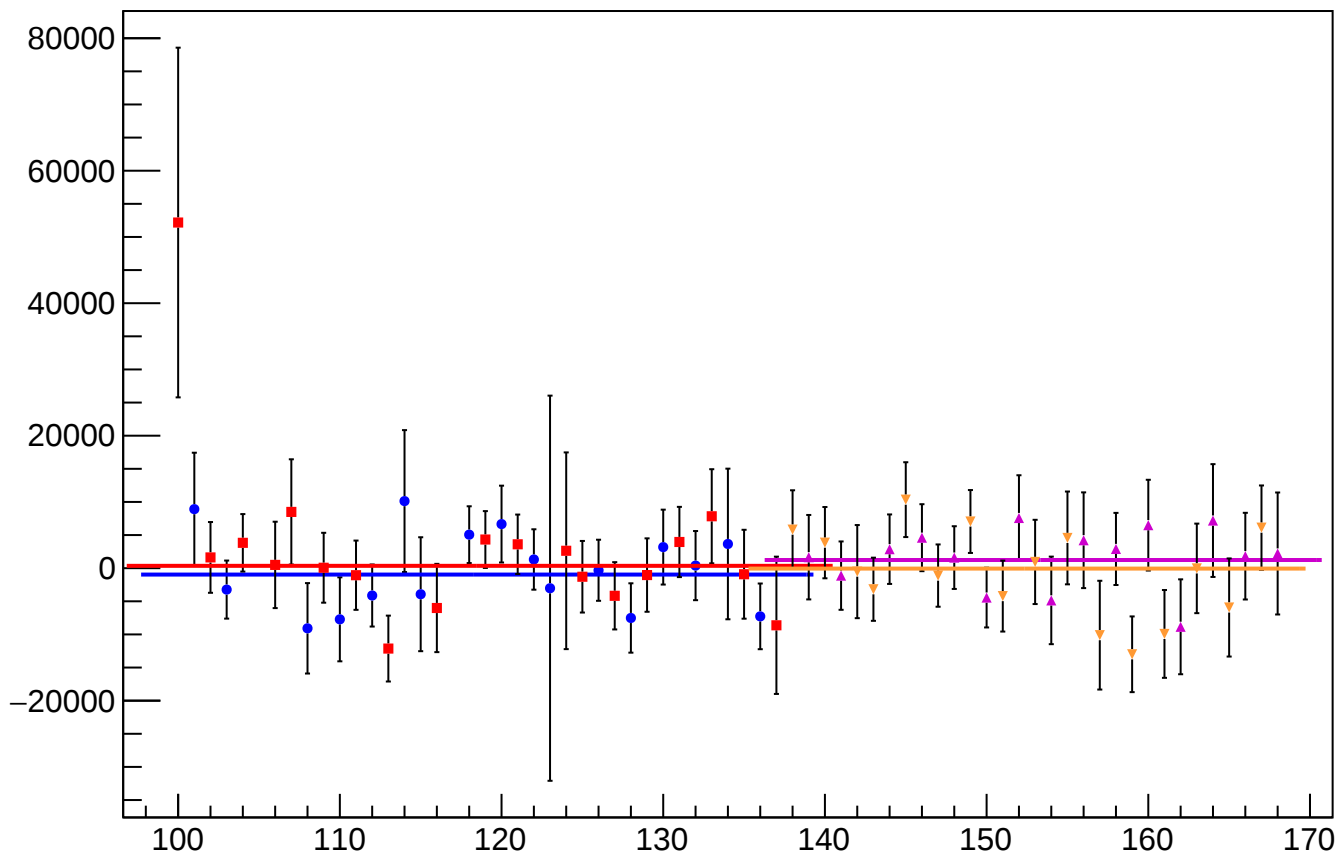
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2094.054 $\pm$ 0.469 χ^2 /NDF: 16672523.2/31

Out: 731.337 $\pm$ 0.225 χ^2 /NDF: 26964960.8/34

All: 985.813 $\pm$ 0.203 χ^2 /NDF: 50498106.8/66

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 ± 1395.626 $\chi^2/\text{NDF}: 13.7/16$

Left Out: -61.497 ± 1472.622 $\chi^2/\text{NDF}: 19.1/15$

Right Out: 354.646 ± 1329.760 $\chi^2/\text{NDF}: 17.6/18$

Left In: 1234.267 ± 1541.236 $\chi^2/\text{NDF}: 7.5/14$

Left: 556.900 ± 1064.732 $\chi^2/\text{NDF}: 27.0/30$

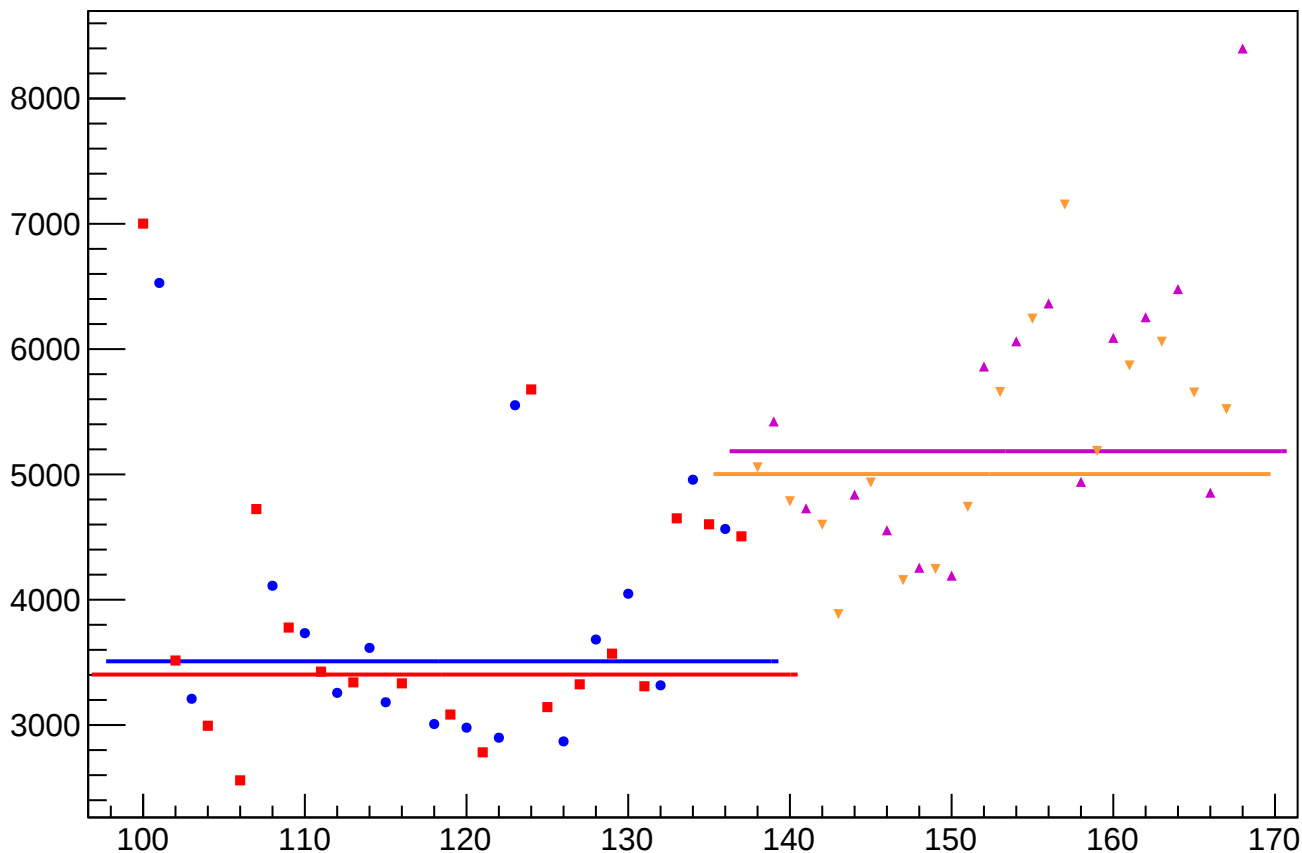
Right: -272.899 ± 962.726 $\chi^2/\text{NDF}: 31.8/35$

In: 26.327 ± 1034.514 $\chi^2/\text{NDF}: 22.4/31$

Out: 167.734 ± 986.935 $\chi^2/\text{NDF}: 36.8/34$

All: 100.357 ± 714.097 $\chi^2/\text{NDF}: 59.1/66$

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 5002.736+/-1.041 χ^2/NDF : 575684.0/15

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

Left In: 5185.255+/-1.090 χ^2/NDF : 721261.9/14

Left: 5089.842+/-0.753 χ^2/NDF : 1311608.4/30

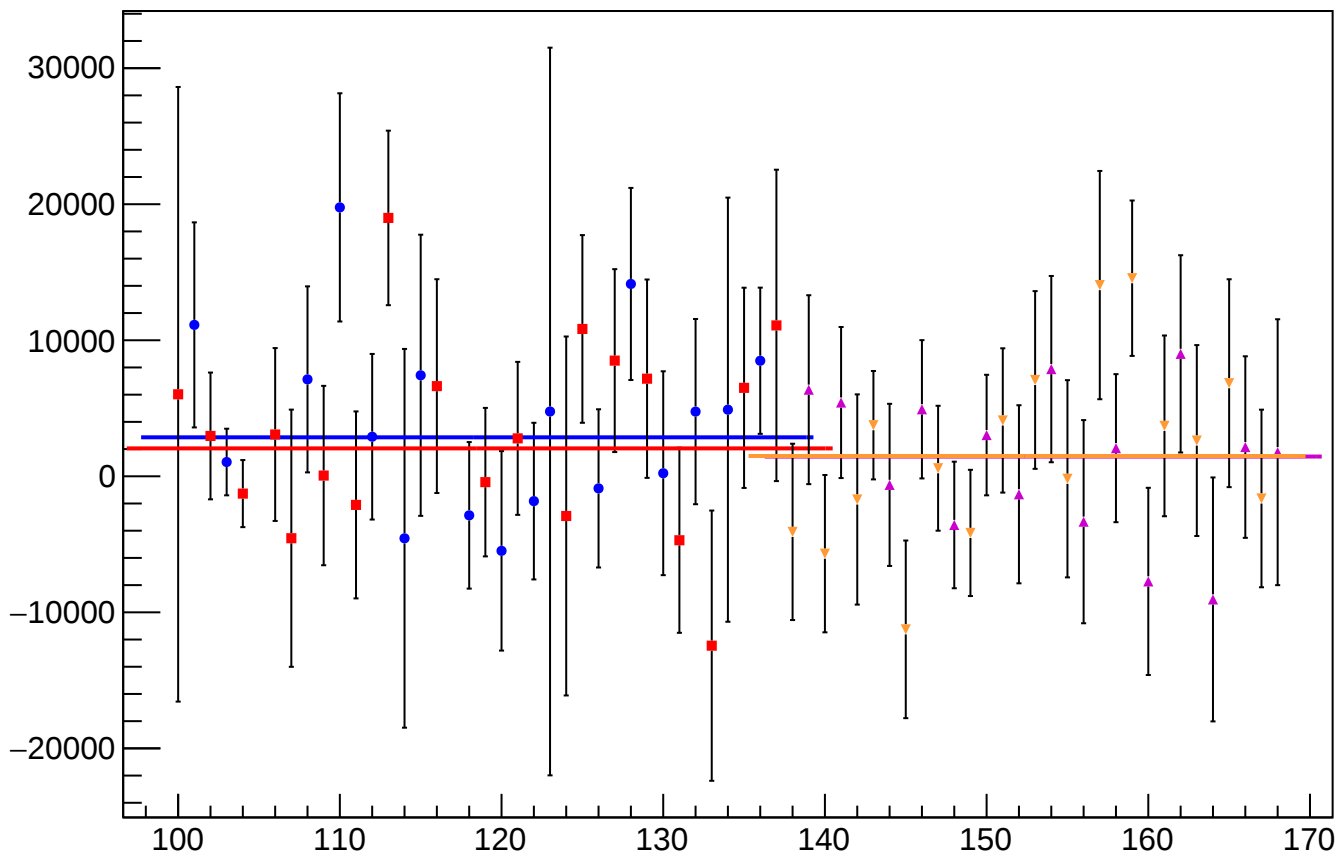
Right: 3452.447+/-0.676 χ^2/NDF : 996829.8/35

In: 4263.933+/-0.732 χ^2/NDF : 2584159.1/31

Out: 4111.163+/-0.693 χ^2/NDF : 2319719.4/34

All: 4183.405+/-0.503 χ^2/NDF : 4926869.2/66

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: 1491.827+/-1478.849 χ^2/NDF : 17.5/15

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 1451.946+/-1582.917 χ^2/NDF : 8.6/14

Left: 1473.240+/-1080.623 χ^2/NDF : 26.1/30

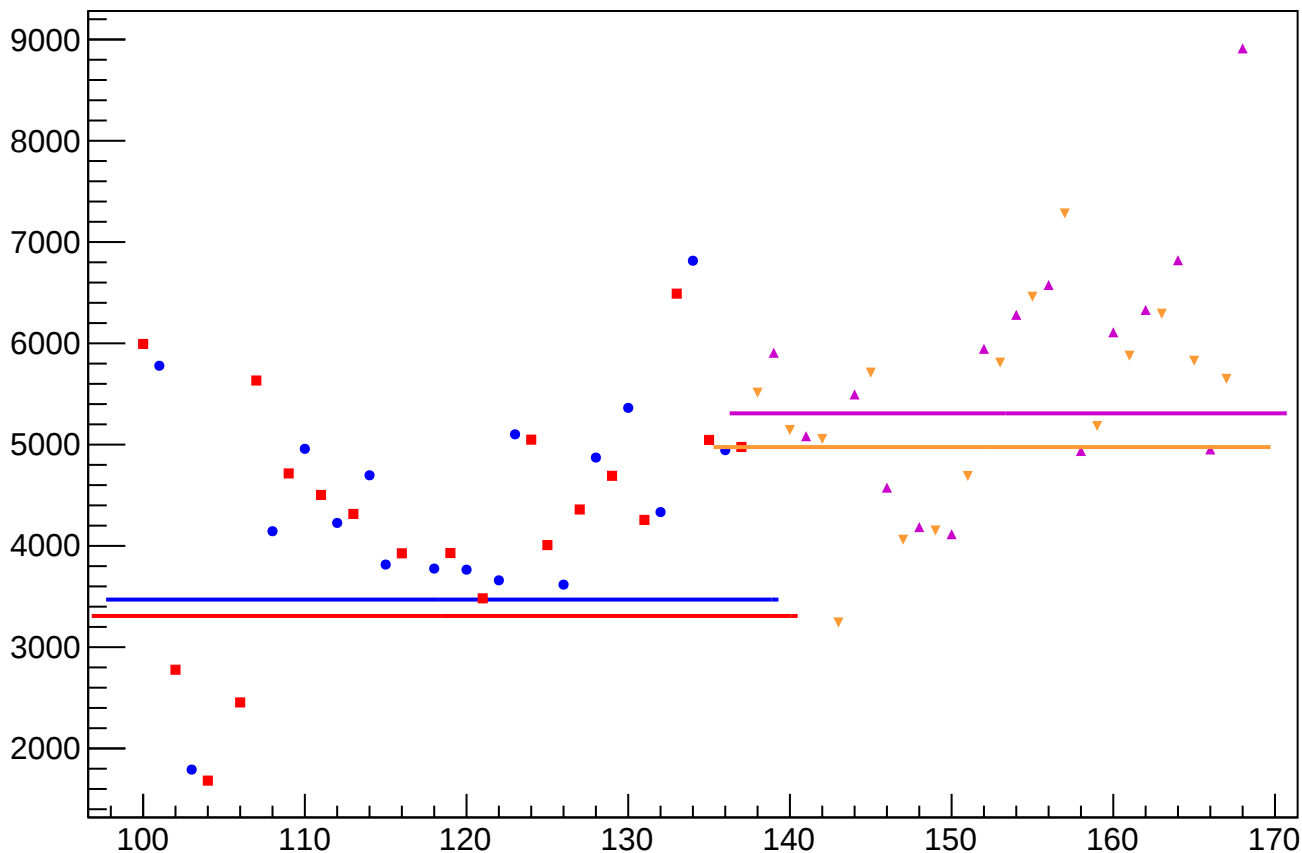
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2218.872+/-1070.277 χ^2/NDF : 23.1/31

Out: 1790.520+/-1009.560 χ^2/NDF : 35.2/34

All: 1992.202+/-734.394 χ^2/NDF : 58.4/66

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: 4975.678 $\pm$ 1.046 χ^2 /NDF:990638.7/15

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5308.762 $\pm$ 1.119 χ^2 /NDF:850781.2/14

Left: 5130.912 $\pm$ 0.764 χ^2 /NDF: 1888704.9/30

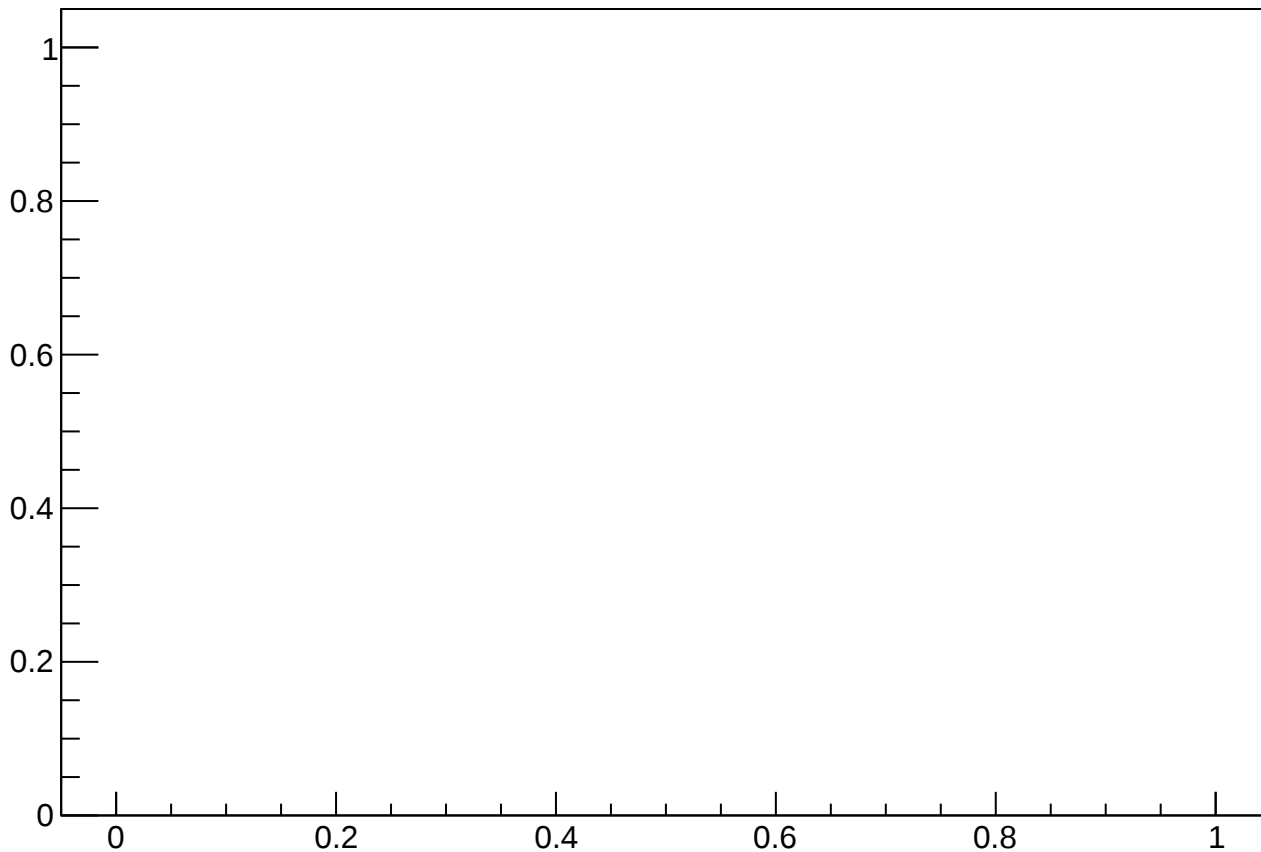
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4310.623 $\pm$ 0.757 χ^2 /NDF:4076582.3/31

Out: 4077.711 $\pm$ 0.710 χ^2 /NDF:4270697.4/34

All: 4186.804 $\pm$ 0.518 χ^2 /NDF: 8397633.5/66

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

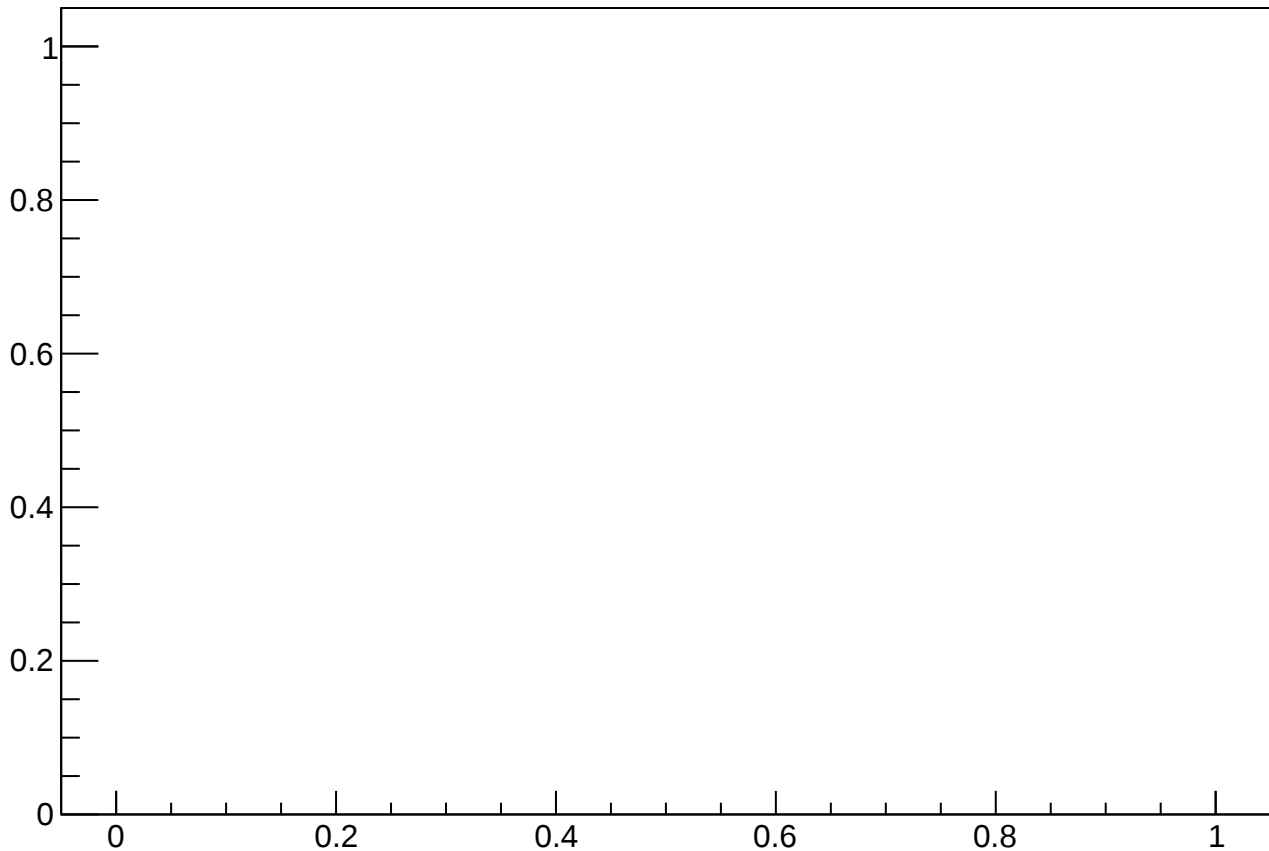
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

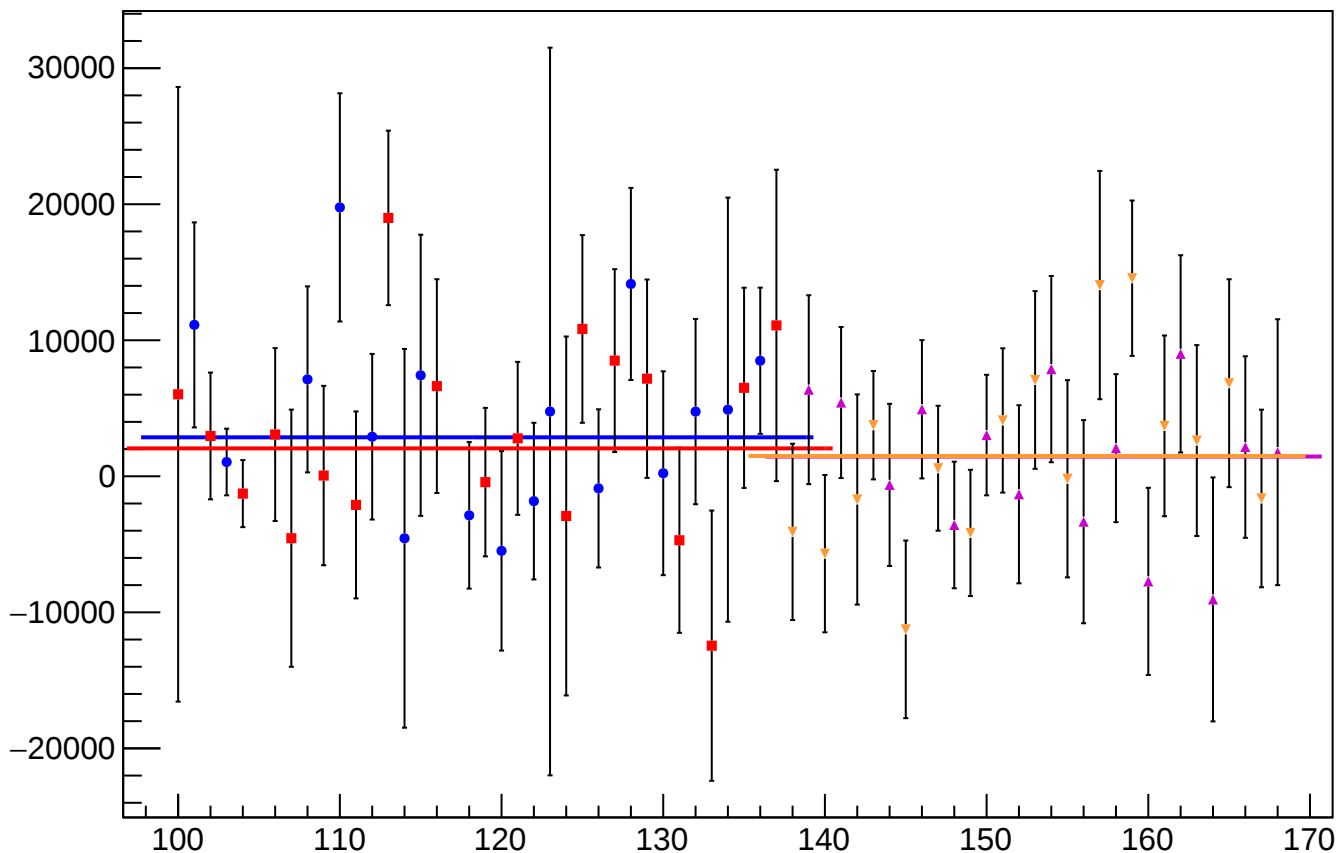
asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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: 1491.827+/-1478.849 χ^2/NDF : 17.5/15

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 1451.946+/-1582.917 χ^2/NDF : 8.6/14

Left: 1473.240+/-1080.623 χ^2/NDF : 26.1/30

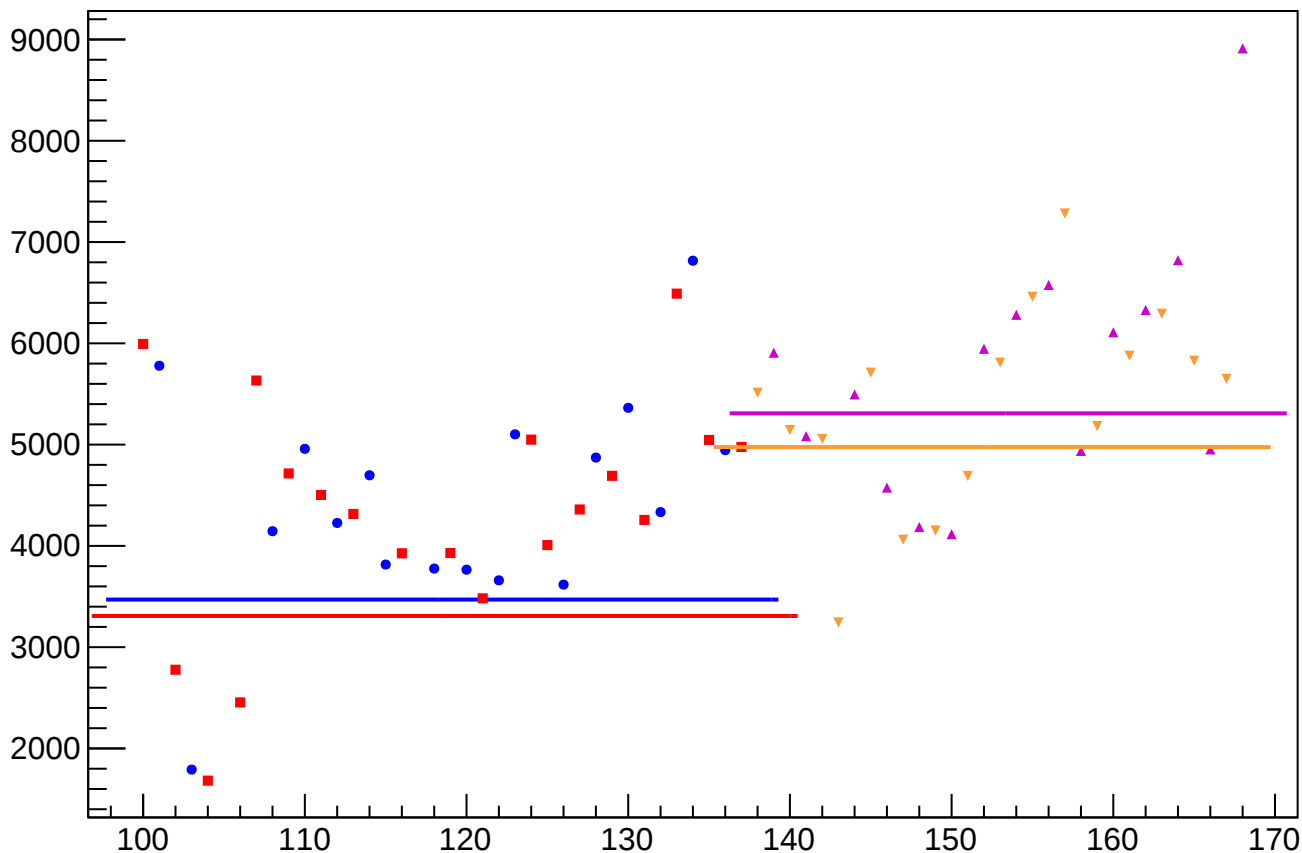
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2218.872+/-1070.277 χ^2/NDF : 23.1/31

Out: 1790.520+/-1009.560 χ^2/NDF : 35.2/34

All: 1992.202+/-734.394 χ^2/NDF : 58.4/66

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: 4975.678 $\pm$ 1.046 χ^2 /NDF: 990638.7/15

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5308.762 $\pm$ 1.119 χ^2 /NDF: 850781.2/14

Left: 5130.912 $\pm$ 0.764 χ^2 /NDF: 1888704.9/30

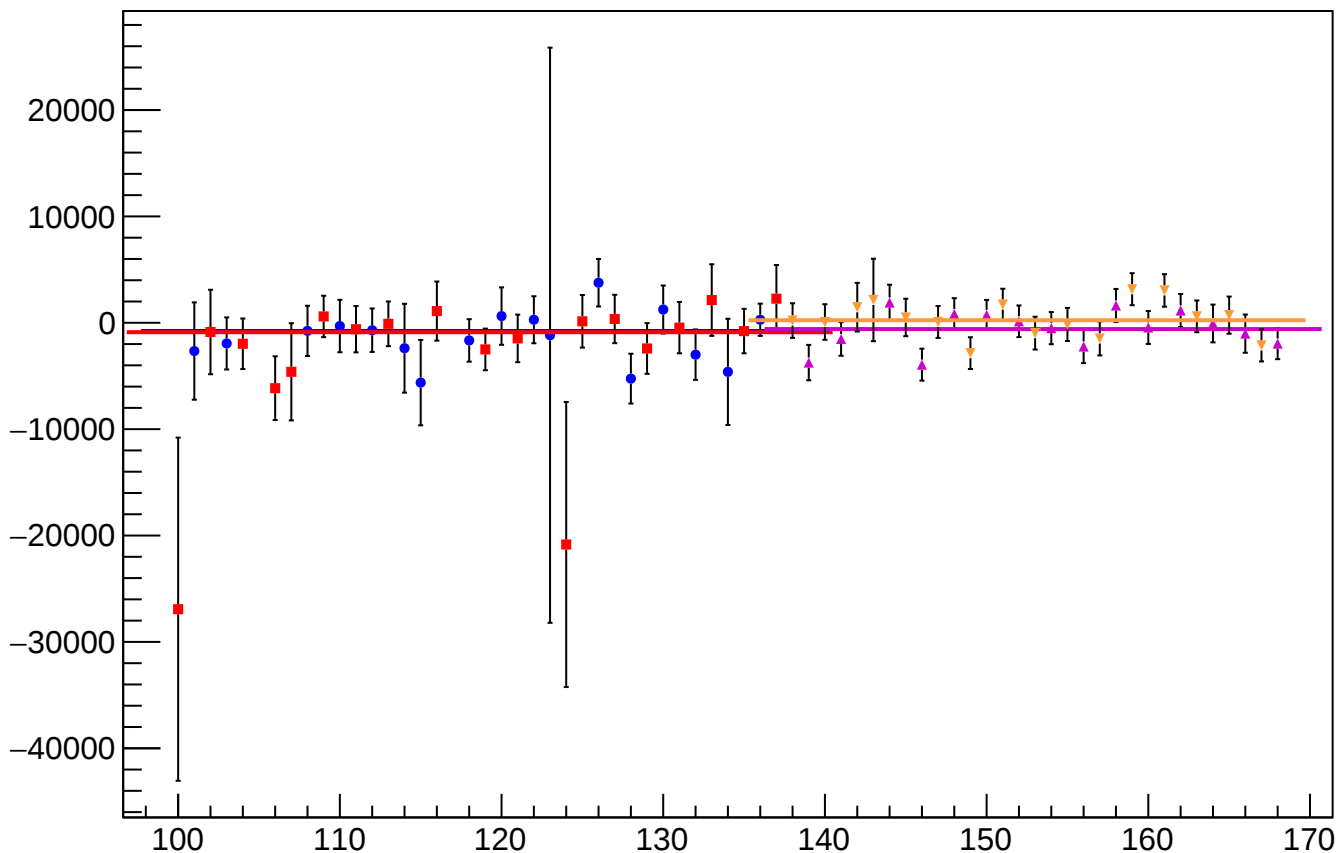
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4310.623 $\pm$ 0.757 χ^2 /NDF: 4076582.3/31

Out: 4077.711 $\pm$ 0.710 χ^2 /NDF: 4270697.4/34

All: 4186.804 $\pm$ 0.518 χ^2 /NDF: 8397633.5/66

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: 238.896+/-409.199 χ^2/NDF :17.4/15

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -589.213+/-403.181 χ^2/NDF :18.6/14

Left: -181.293+/-287.196 χ^2/NDF : 38.0/30

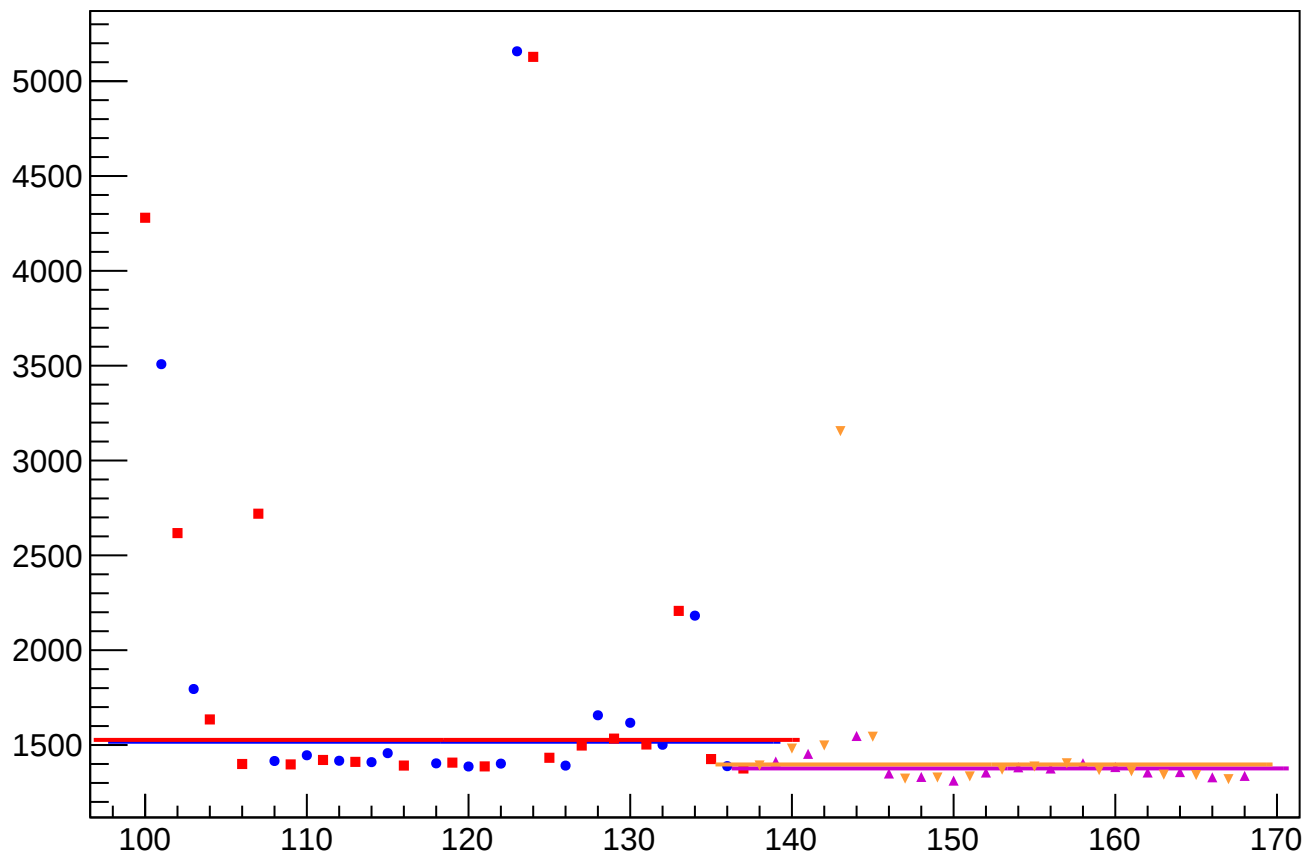
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -645.333+/-335.282 χ^2/NDF :31.9/31

Out: -121.991+/-337.171 χ^2/NDF :33.3/34

All: -385.132+/-237.745 χ^2/NDF : 66.4/66

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: 1397.442+/-0.289 χ^2/NDF : 459311.1/15

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1376.561+/-0.285 χ^2/NDF : 37675.2/14

Left: 1386.847+/-0.203 χ^2/NDF : 499628.7/30

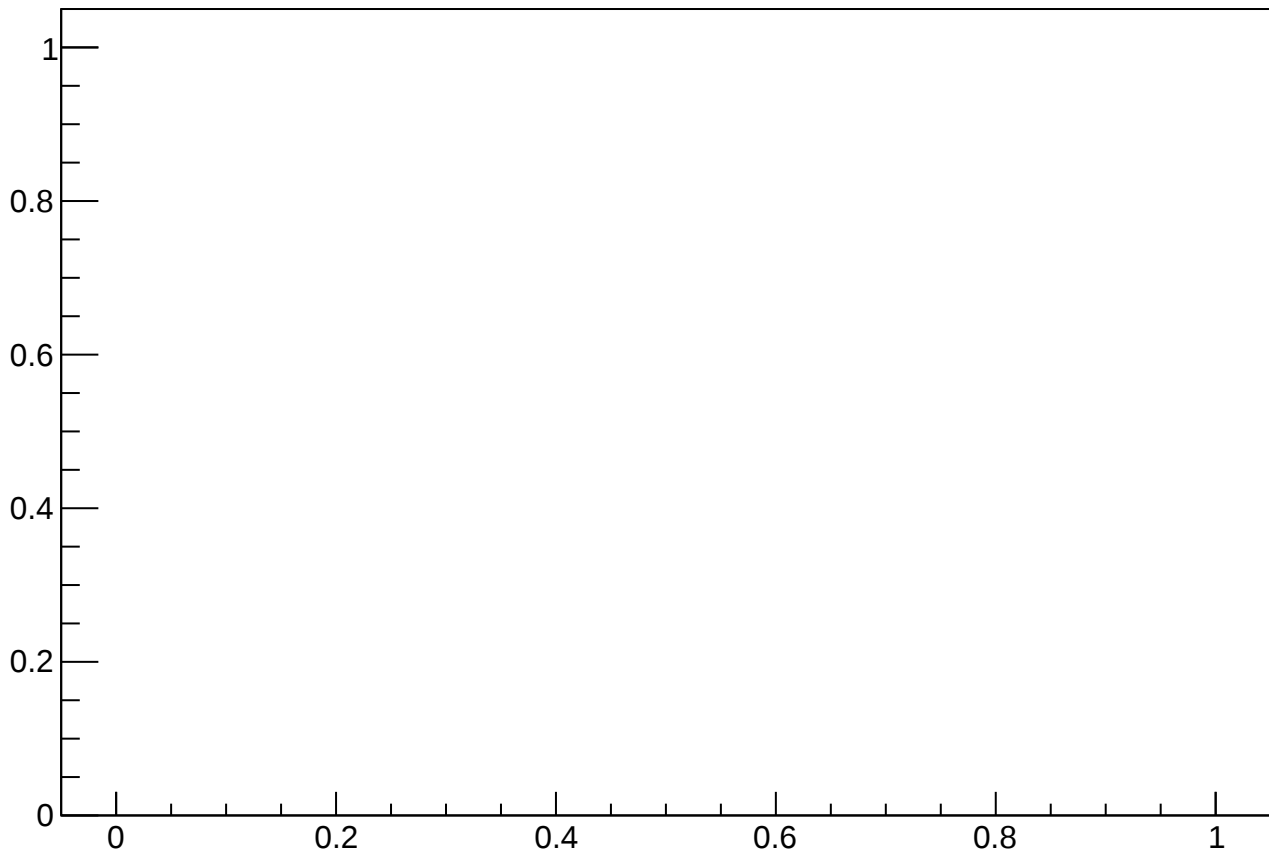
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1419.984+/-0.237 χ^2/NDF : 649545.5/31

Out: 1439.040+/-0.238 χ^2/NDF : 1155370.3/34

All: 1429.458+/-0.168 χ^2/NDF : 1808128.1/60

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

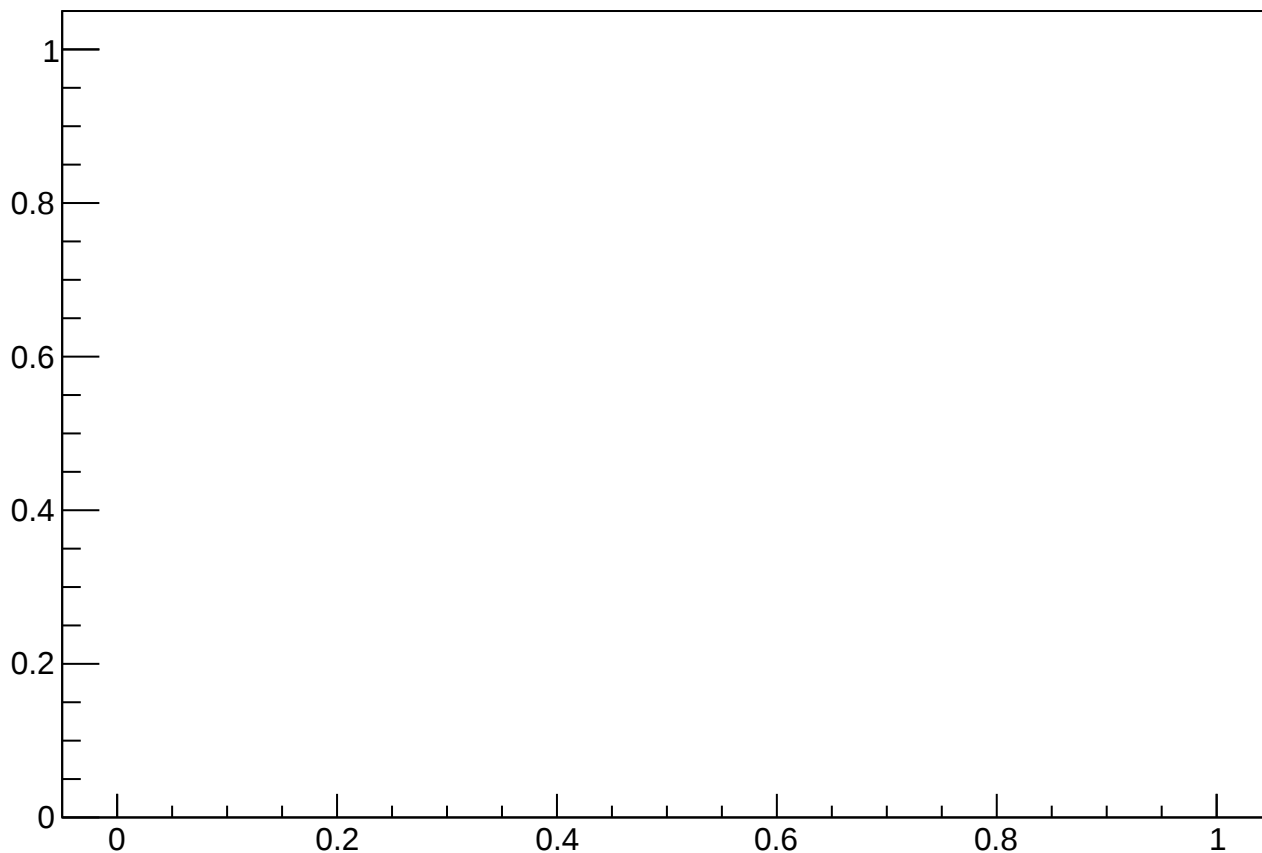
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

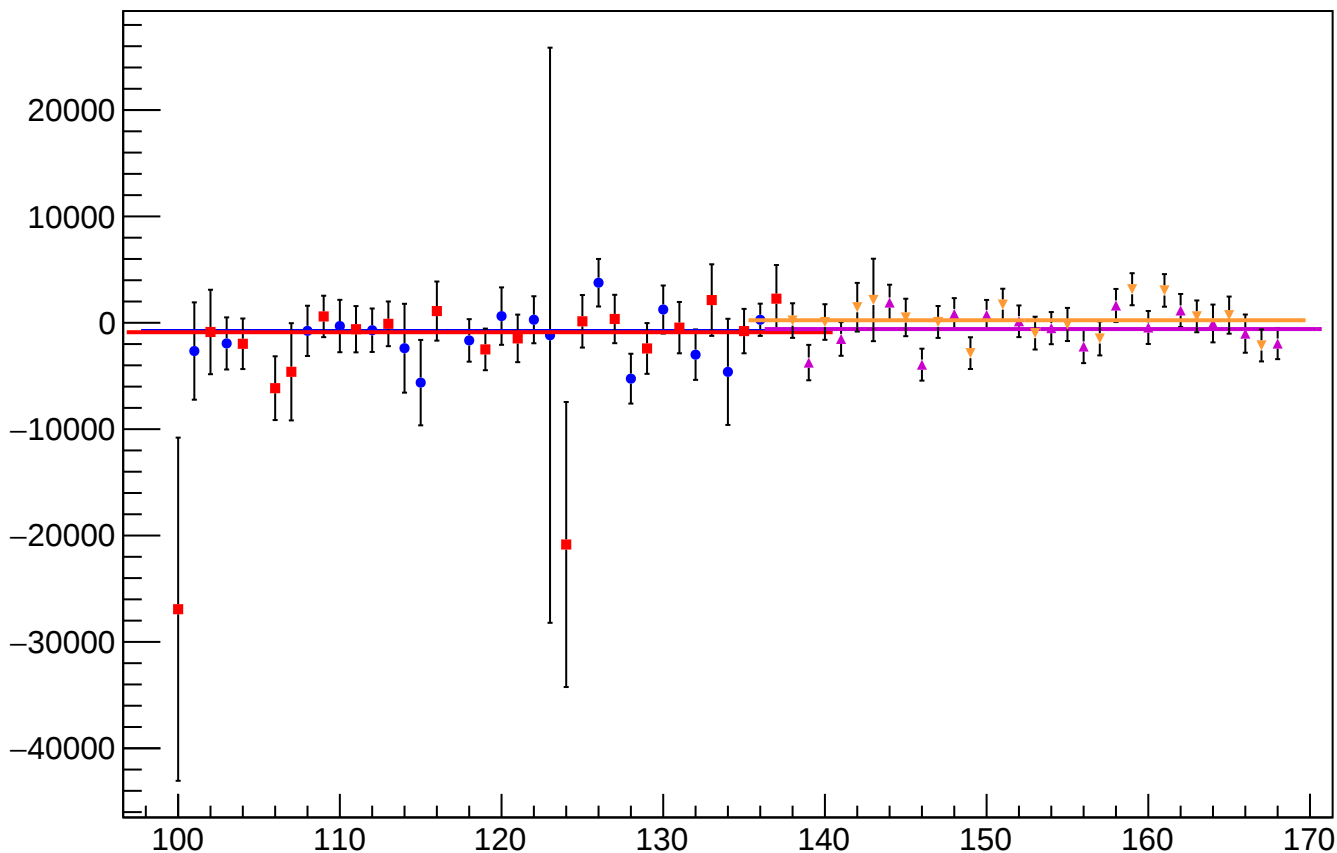
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 238.896+/-409.199 χ^2/NDF : 17.4/15

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -589.213+/-403.181 χ^2/NDF : 18.6/14

Left: -181.293+/-287.196 χ^2/NDF : 38.0/30

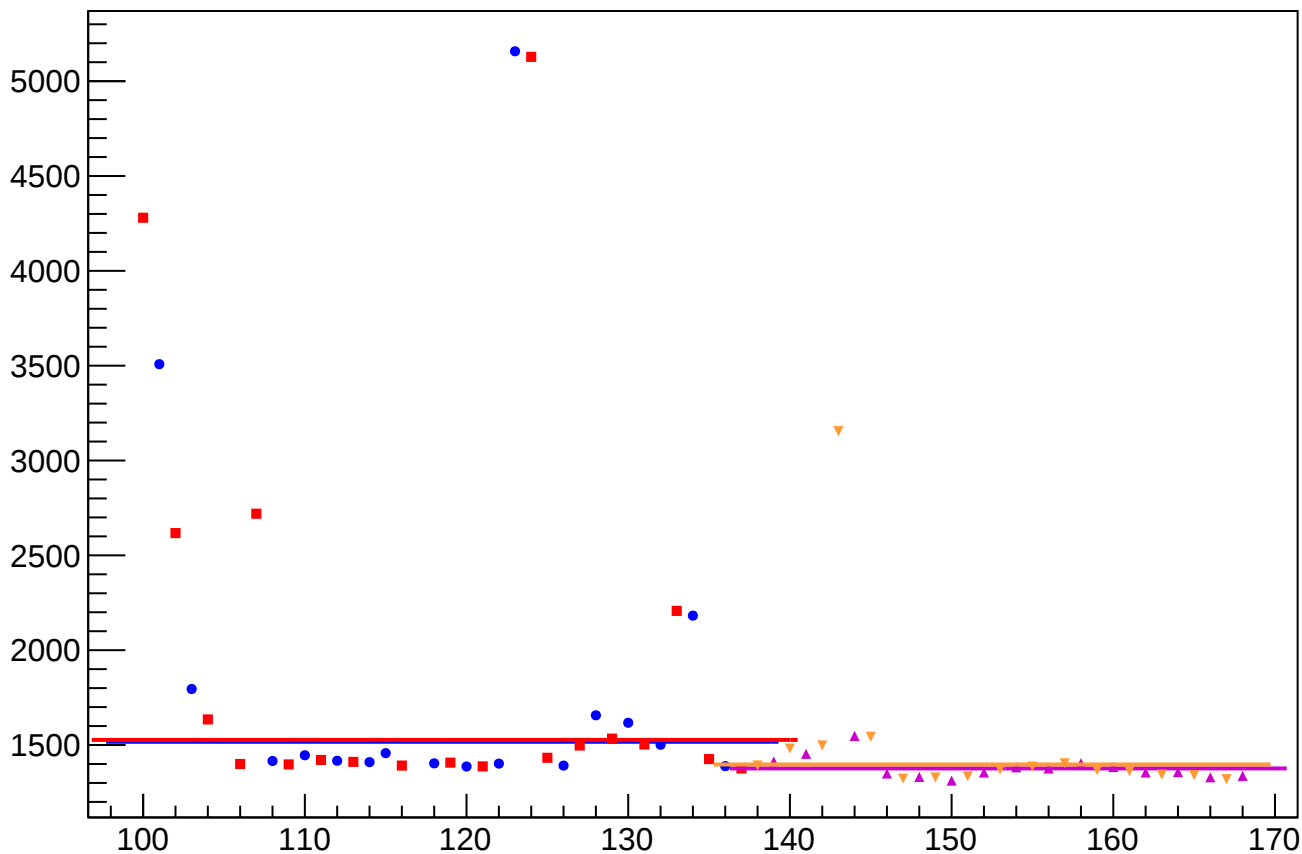
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -645.333+/-335.282 χ^2/NDF : 31.9/31

Out: -121.991+/-337.171 χ^2/NDF : 33.3/34

All: -385.132+/-237.745 χ^2/NDF : 66.4/66

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: 1397.442+/-0.289 χ^2/NDF : 459311.1/15

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1376.561+/-0.285 χ^2/NDF : 37675.2/14

Left: 1386.847+/-0.203 χ^2/NDF : 499628.7/30

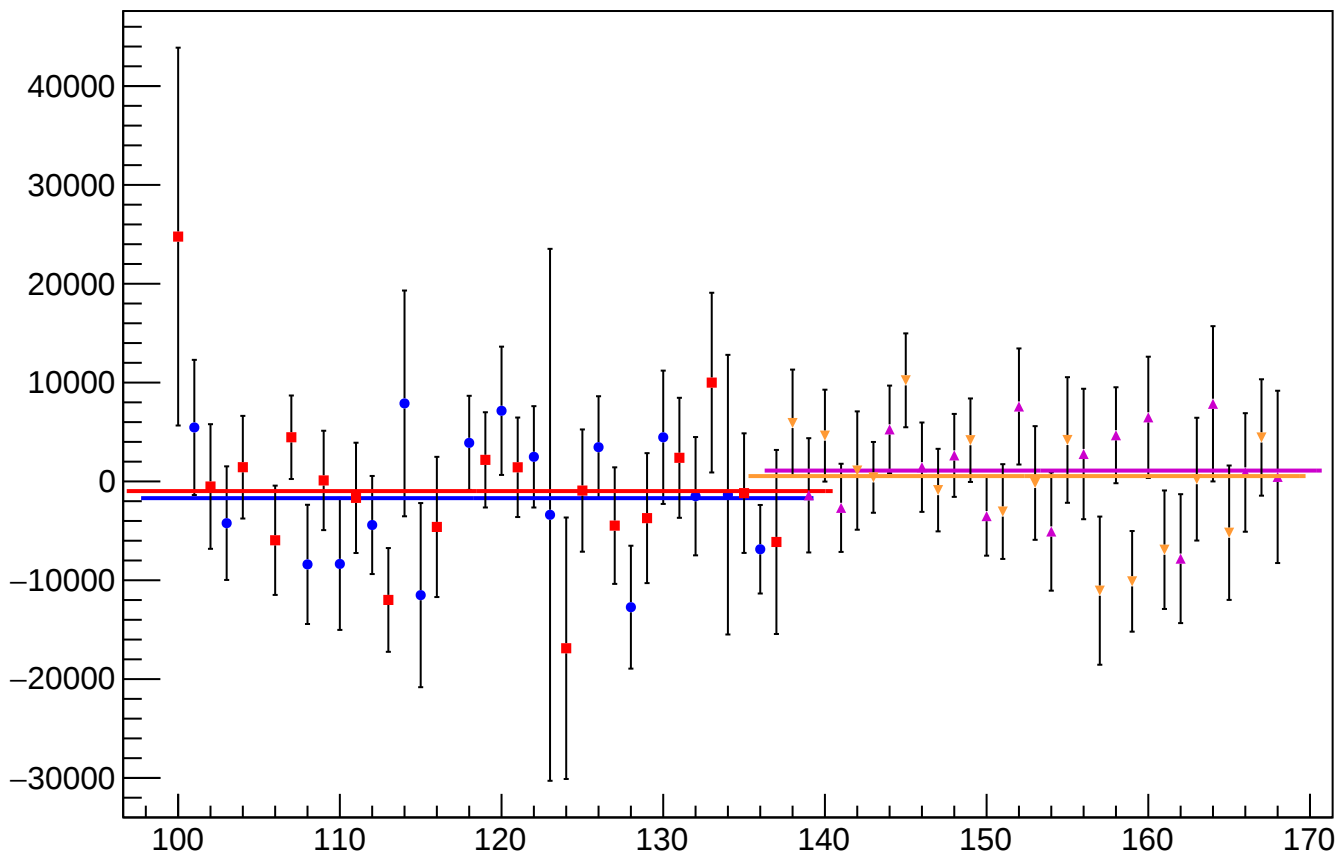
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1419.984+/-0.237 χ^2/NDF : 649545.5/31

Out: 1439.040+/-0.238 χ^2/NDF : 1155370.3/34

All: 1429.458+/-0.168 χ^2/NDF : 1808128.1/66

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 540.077 ± 1287.608 $\chi^2/\text{NDF}: 17.2/15$

Right Out: -977.899 ± 1378.874 $\chi^2/\text{NDF}: 13.9/18$

Left In: 1098.129 ± 1375.151 $\chi^2/\text{NDF}: 9.5/14$

Left: 800.776 ± 939.902 $\chi^2/\text{NDF}: 26.8/30$

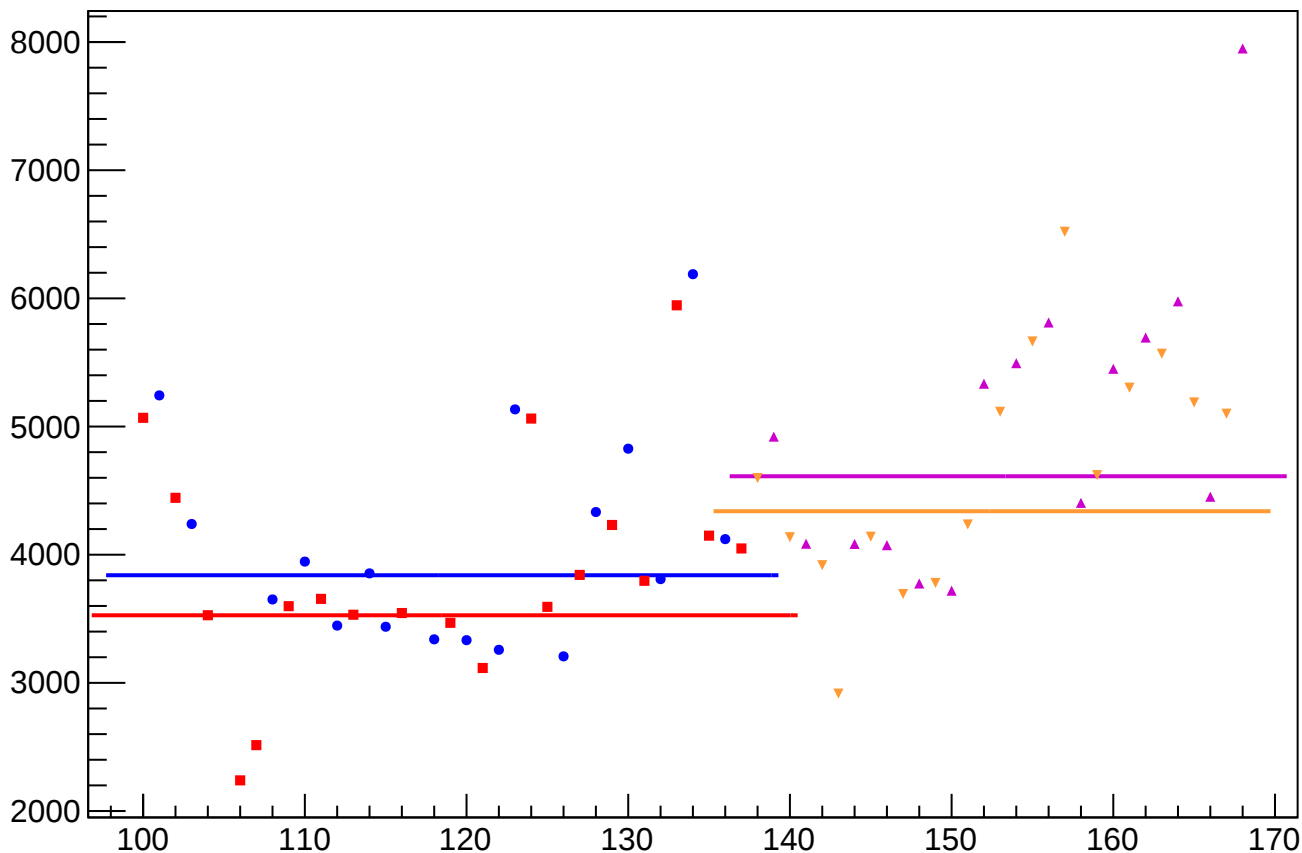
Right: -1302.190 ± 1019.117 $\chi^2/\text{NDF}: 29.9/35$

In: -164.401 ± 1017.611 $\chi^2/\text{NDF}: 27.2/31$

Out: -167.016 ± 941.088 $\chi^2/\text{NDF}: 31.7/34$

All: -165.810 ± 690.921 $\chi^2/\text{NDF}: 59.0/66$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4339.252+/-0.910 χ^2/NDF : 914556.8/15

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4612.106+/-0.972 χ^2/NDF : 860319.7/14

Left: 4466.718+/-0.665 χ^2/NDF : 1816832.0/30

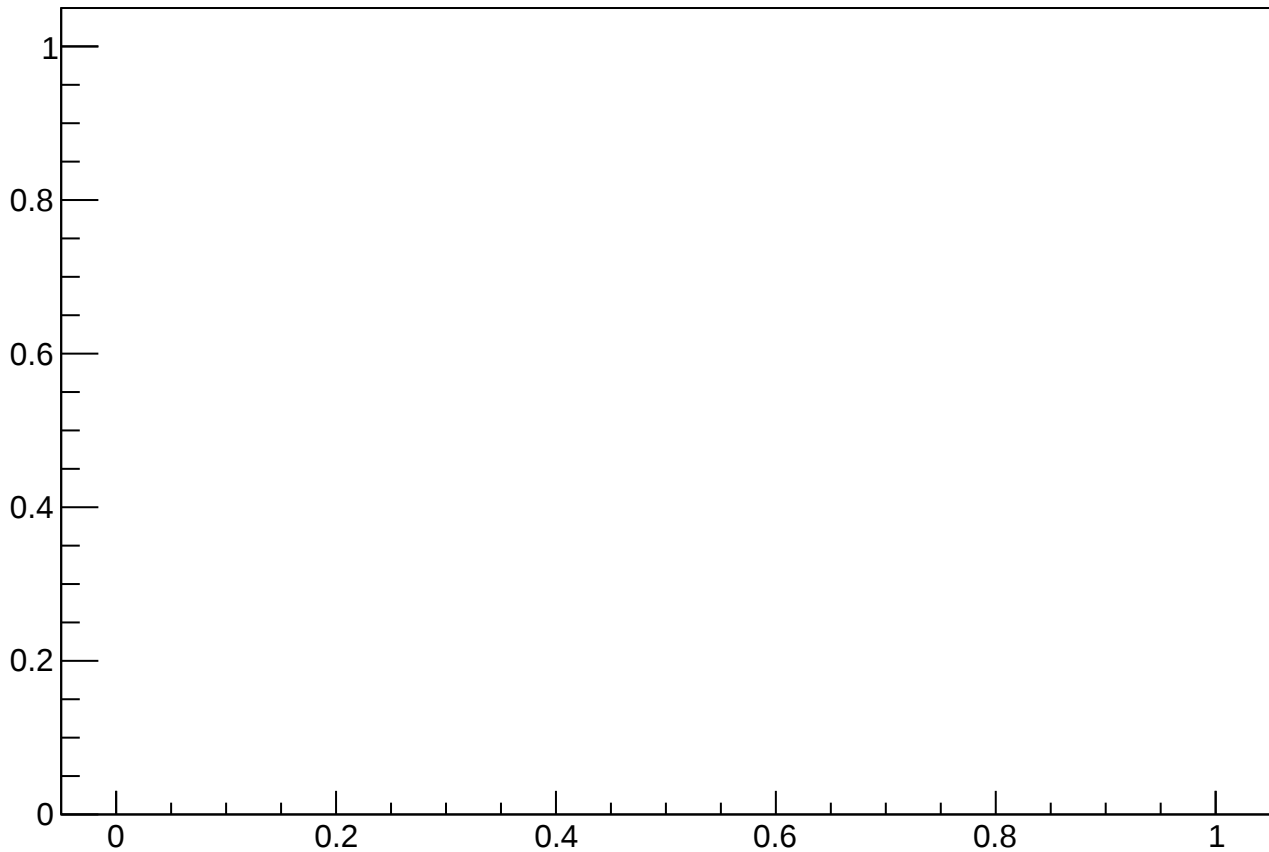
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4262.682+/-0.720 χ^2/NDF : 1471708.4/31

Out: 3957.352+/-0.663 χ^2/NDF : 1843394.0/34

All: 4097.460+/-0.487 χ^2/NDF : 3412537.4/66

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

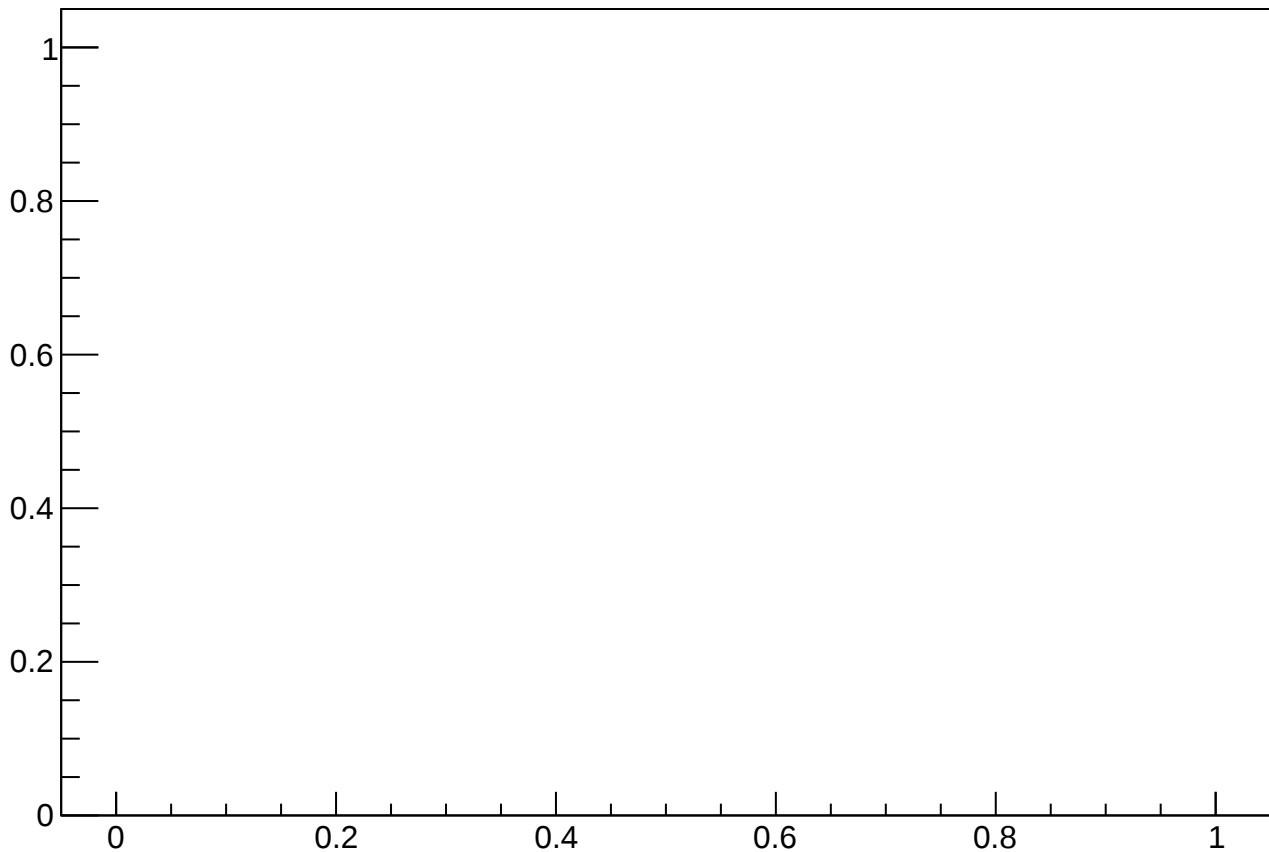
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

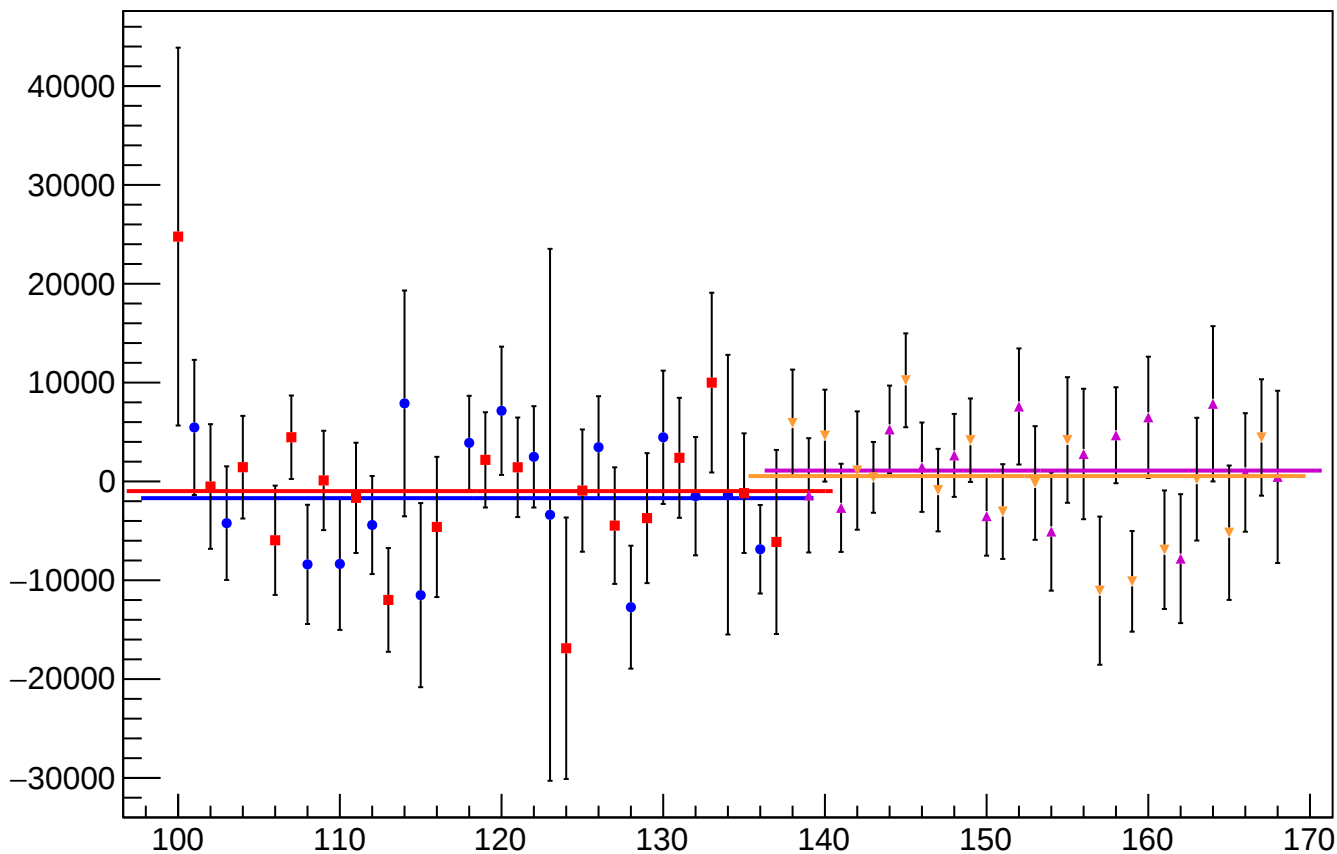
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 540.077 ± 1287.608 $\chi^2/\text{NDF}: 17.2/15$

Right Out: -977.899 ± 1378.874 $\chi^2/\text{NDF}: 13.9/18$

Left In: 1098.129 ± 1375.151 $\chi^2/\text{NDF}: 9.5/14$

Left: 800.776 ± 939.902 $\chi^2/\text{NDF}: 26.8/30$

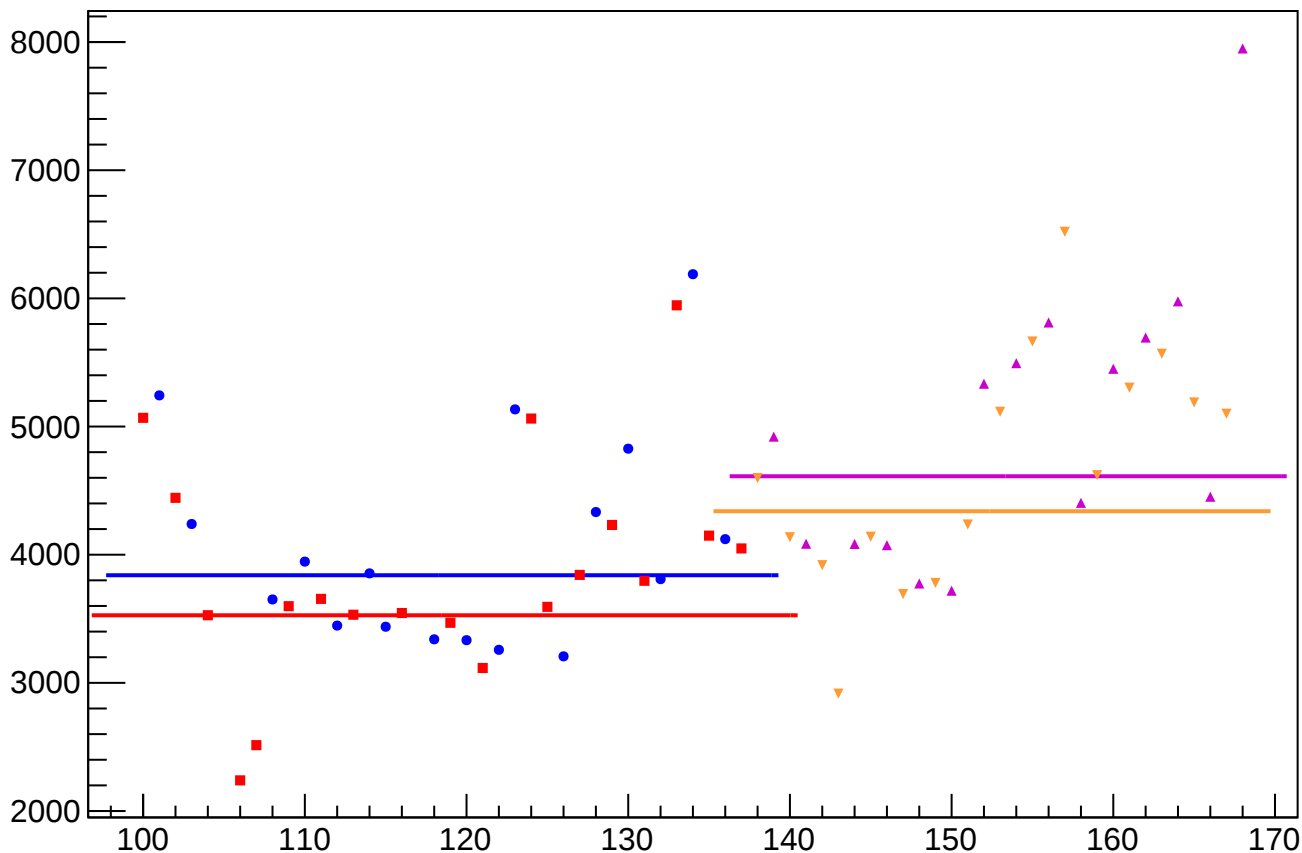
Right: -1302.190 ± 1019.117 $\chi^2/\text{NDF}: 29.9/35$

In: -164.401 ± 1017.611 $\chi^2/\text{NDF}: 27.2/31$

Out: -167.016 ± 941.088 $\chi^2/\text{NDF}: 31.7/34$

All: -165.810 ± 690.921 $\chi^2/\text{NDF}: 59.0/66$

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: 4339.252+/-0.910 χ^2/NDF : 914556.8/15

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4612.106+/-0.972 χ^2/NDF : 860319.7/14

Left: 4466.718+/-0.665 χ^2/NDF : 1816832.0/30

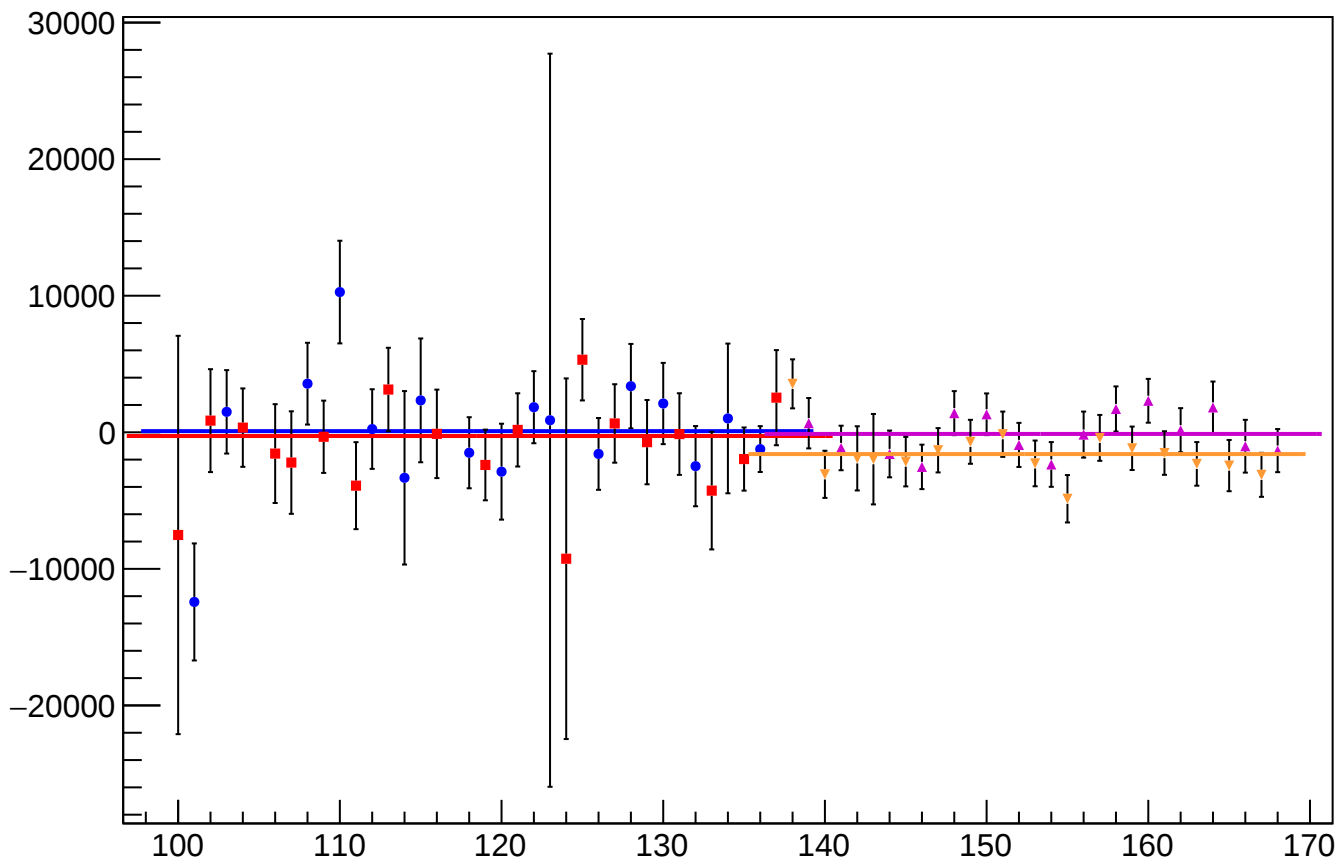
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4262.682+/-0.720 χ^2/NDF : 1471708.4/31

Out: 3957.352+/-0.663 χ^2/NDF : 1843394.0/34

All: 4097.460+/-0.487 χ^2/NDF : 3412537.4/66

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1594.636+/-436.638 χ^2/NDF :15.8/15

Right Out: -272.707+/-734.115 χ^2/NDF : 10.2/18

Left In: -120.013+/-430.459 χ^2/NDF :12.8/14

Left: -846.817+/-306.542 χ^2/NDF : 34.4/30

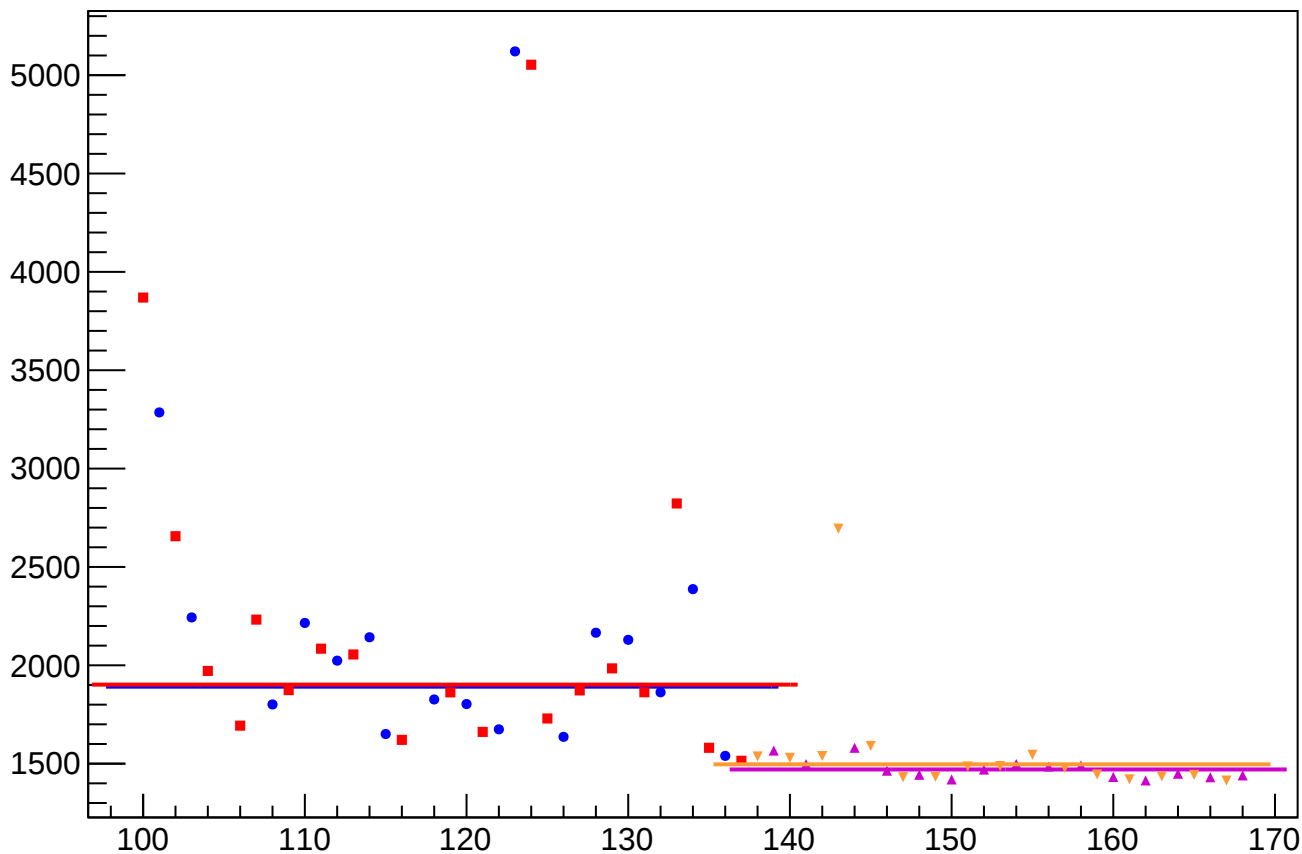
Right: -98.370+/-524.811 χ^2/NDF : 33.2/35

In: -69.551+/-373.405 χ^2/NDF :35.8/31

Out: -1249.190+/-375.275 χ^2/NDF :28.3/34

All: -656.425+/-264.696 χ^2/NDF : 69.0/66

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: 1496.671+/-0.309 χ^2/NDF : 294397.3/15

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1470.520+/-0.304 χ^2/NDF : 23477.8/14

Left: 1483.409+/-0.217 χ^2/NDF : 321513.2/30

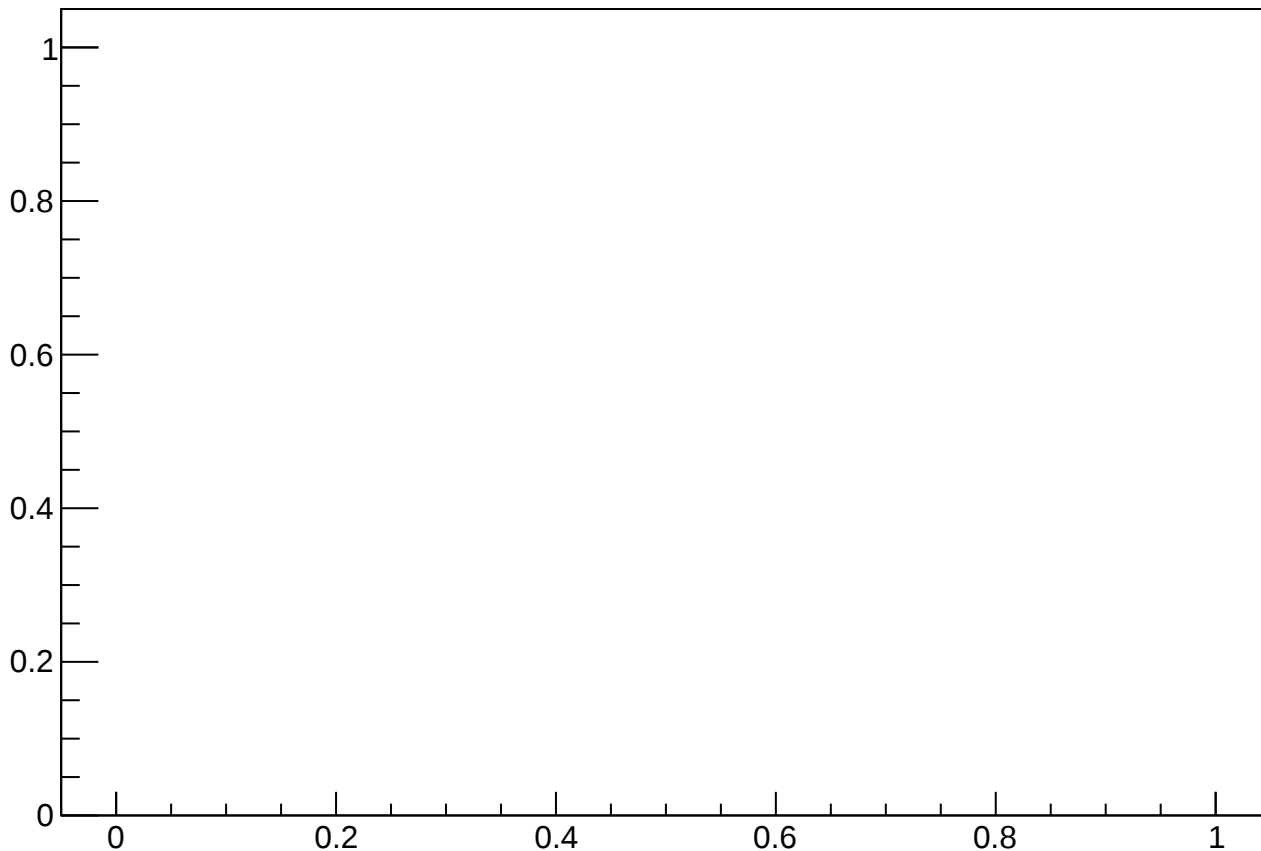
Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1574.718+/-0.264 χ^2/NDF : 961431.7/31

Out: 1602.541+/-0.265 χ^2/NDF : 1205018.7/34

All: 1588.560+/-0.187 χ^2/NDF : 2171974.4/60

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

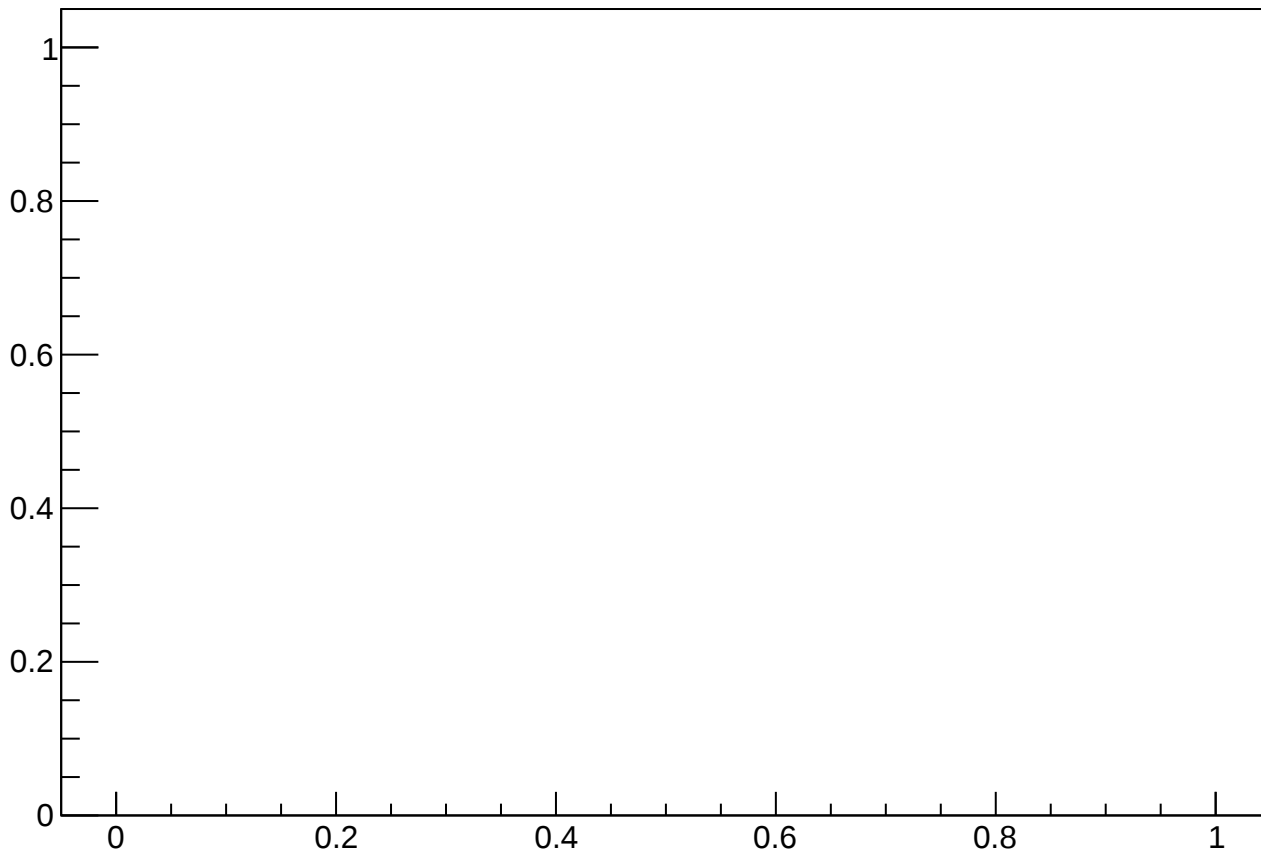
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

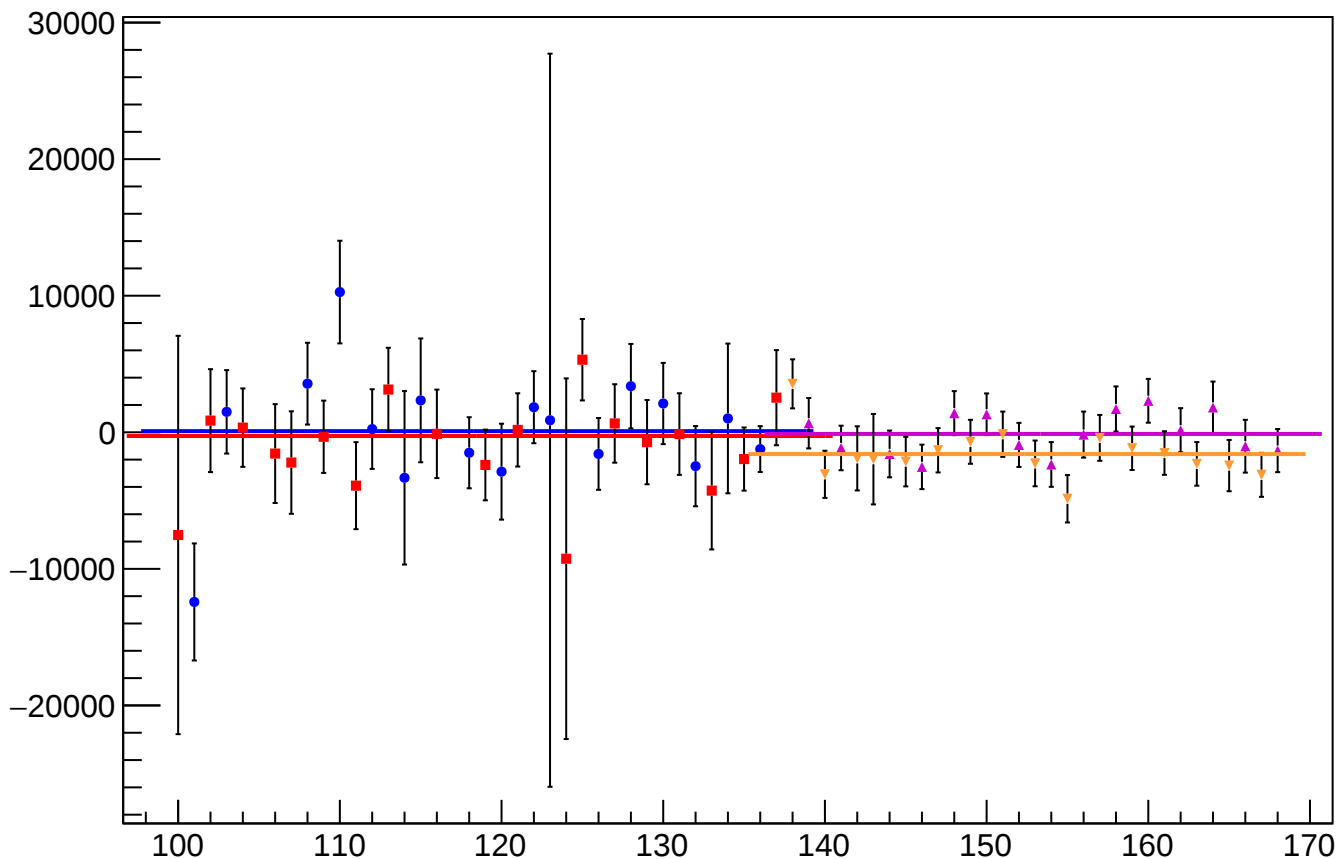
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1594.636 ± 436.638 $\chi^2/\text{NDF}: 15.8/15$

Right Out: -272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

Left In: -120.013 ± 430.459 $\chi^2/\text{NDF}: 12.8/14$

Left: -846.817 ± 306.542 $\chi^2/\text{NDF}: 34.4/30$

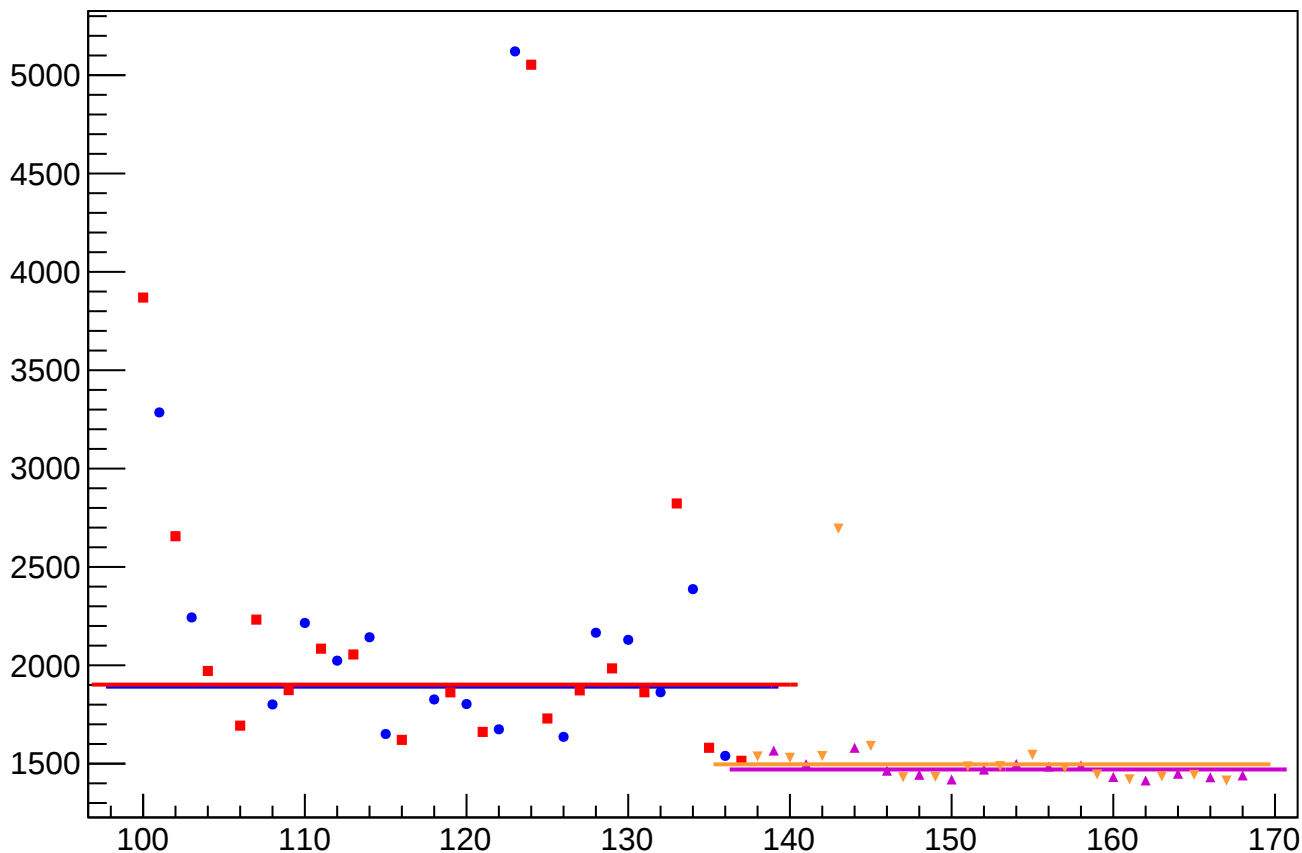
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: -69.551 ± 373.405 $\chi^2/\text{NDF}: 35.8/31$

Out: -1249.190 ± 375.275 $\chi^2/\text{NDF}: 28.3/34$

All: -656.425 ± 264.696 $\chi^2/\text{NDF}: 69.0/66$

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1496.671 $\pm$ 0.309 χ^2 /NDF: 294397.3/15

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

Left In: 1470.520 $\pm$ 0.304 χ^2 /NDF: 23477.8/14

Left: 1483.409 $\pm$ 0.217 χ^2 /NDF: 321513.2/30

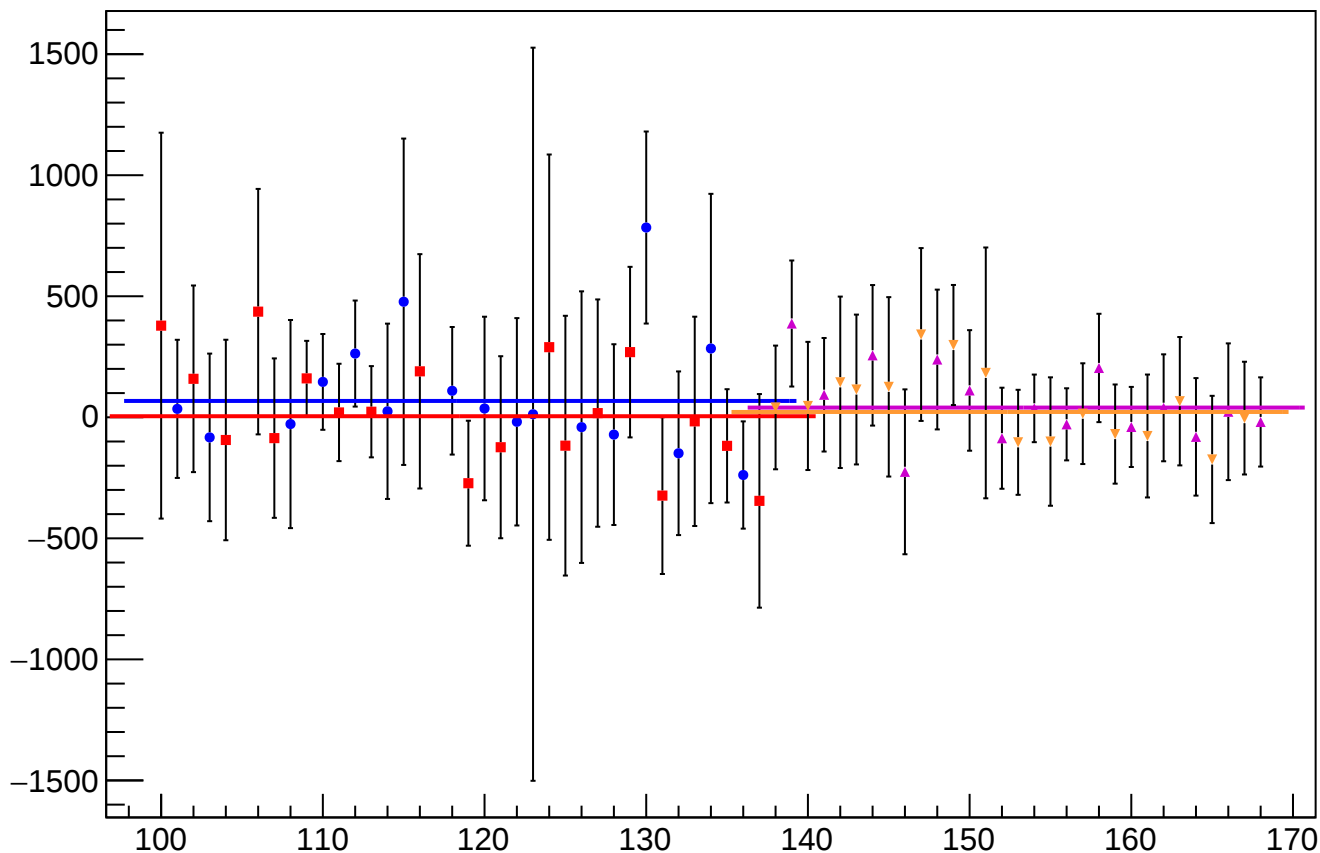
Right: 1896.759 $\pm$ 0.371 χ^2 /NDF: 925377.5/35

In: 1574.718 $\pm$ 0.264 χ^2 /NDF: 961431.7/31

Out: 1602.541 $\pm$ 0.265 χ^2 /NDF: 1205018.7/34

All: 1588.560 $\pm$ 0.187 χ^2 /NDF: 2171974.4/66

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: 21.995 $\pm$ 66.202 χ^2 /NDF: 3.9/15

Right Out: 4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

Left In: 40.129 $\pm$ 54.485 χ^2 /NDF: 5.3/14

Left: 32.806 $\pm$ 42.069 χ^2 /NDF: 9.2/30

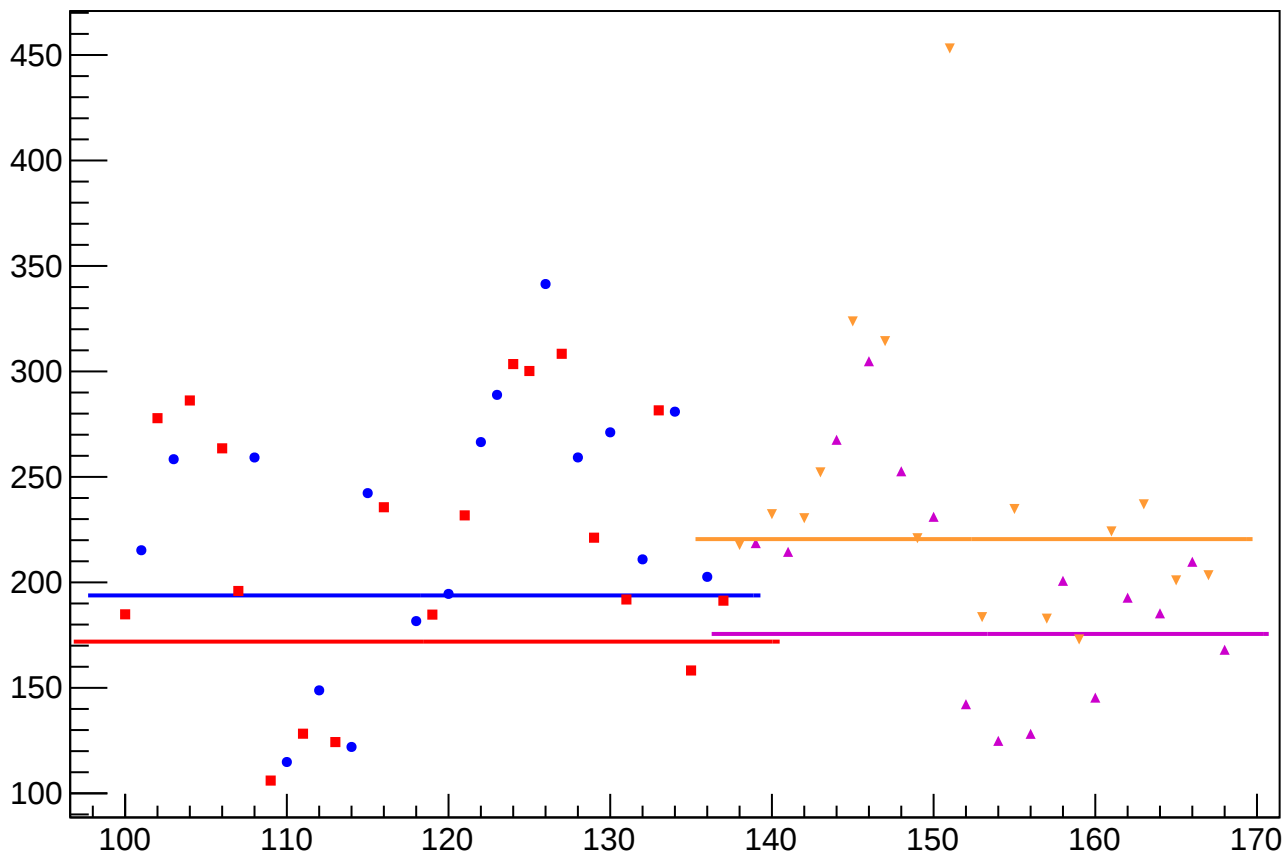
Right: 31.949 $\pm$ 52.572 χ^2 /NDF: 14.2/35

In: 48.874 $\pm$ 44.962 χ^2 /NDF: 12.9/31

Out: 13.700 $\pm$ 48.102 χ^2 /NDF: 10.3/34

All: 32.472 $\pm$ 32.847 χ^2 /NDF: 23.5/66

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: 220.515 $\pm$ 0.047 χ^2 /NDF:990701.1/15

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

Left In: 175.561 $\pm$ 0.039 χ^2 /NDF:1497643.7/14

Left: 193.714 $\pm$ 0.030 χ^2 /NDF: 3038124.5/30

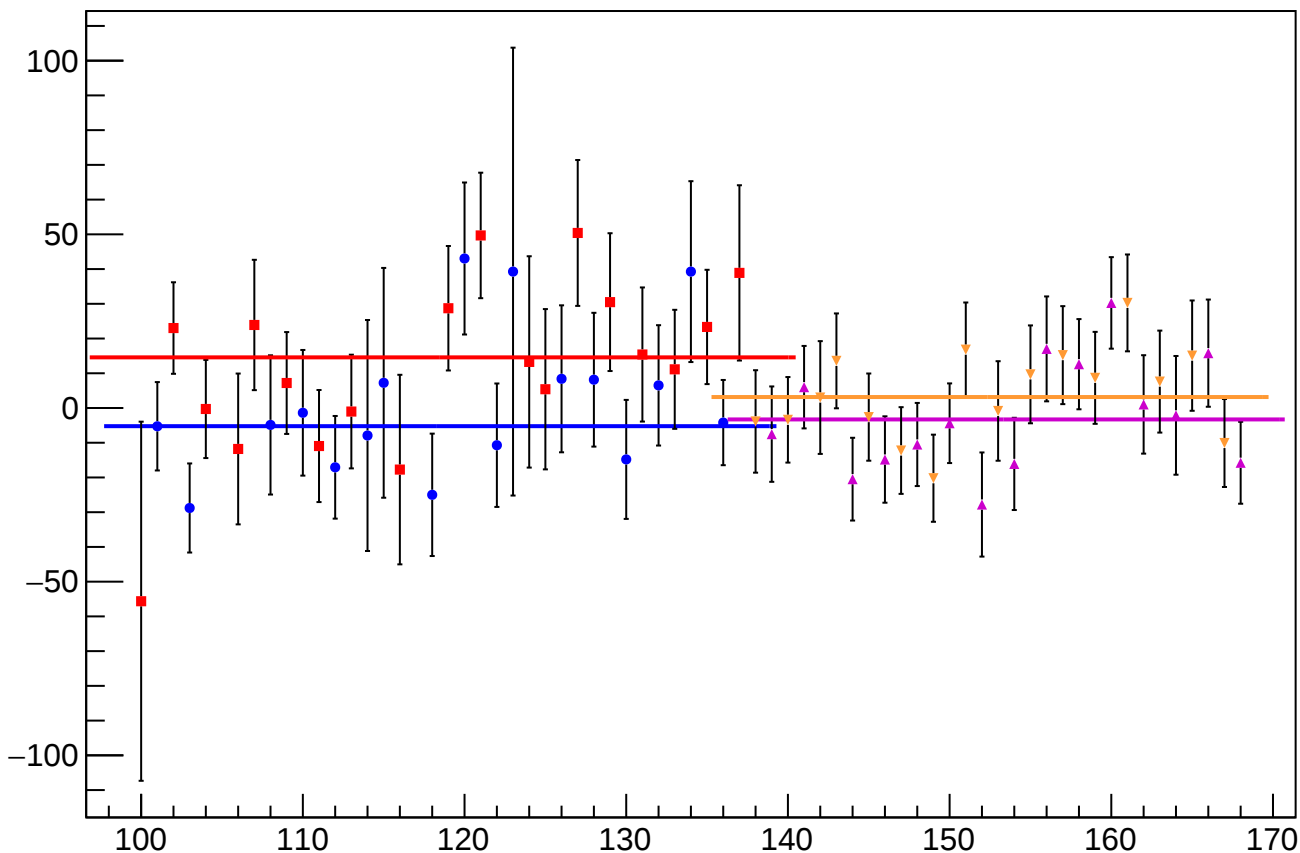
Right: 181.469 $\pm$ 0.037 χ^2 /NDF: 2672713.5/35

In: 181.384 $\pm$ 0.032 χ^2 /NDF:2579580.7/31

Out: 197.574 $\pm$ 0.034 χ^2 /NDF:3076484.8/34

All: 188.934 $\pm$ 0.023 χ^2 /NDF: 5776988.2/66

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 3.156 ± 3.420 $\chi^2/\text{NDF}: 14.0/15$

Right Out: 14.579 ± 4.265 $\chi^2/\text{NDF}: 19.5/18$

Left In: -3.291 ± 3.400 $\chi^2/\text{NDF}: 20.2/14$

Left: -0.086 ± 2.411 $\chi^2/\text{NDF}: 36.0/30$

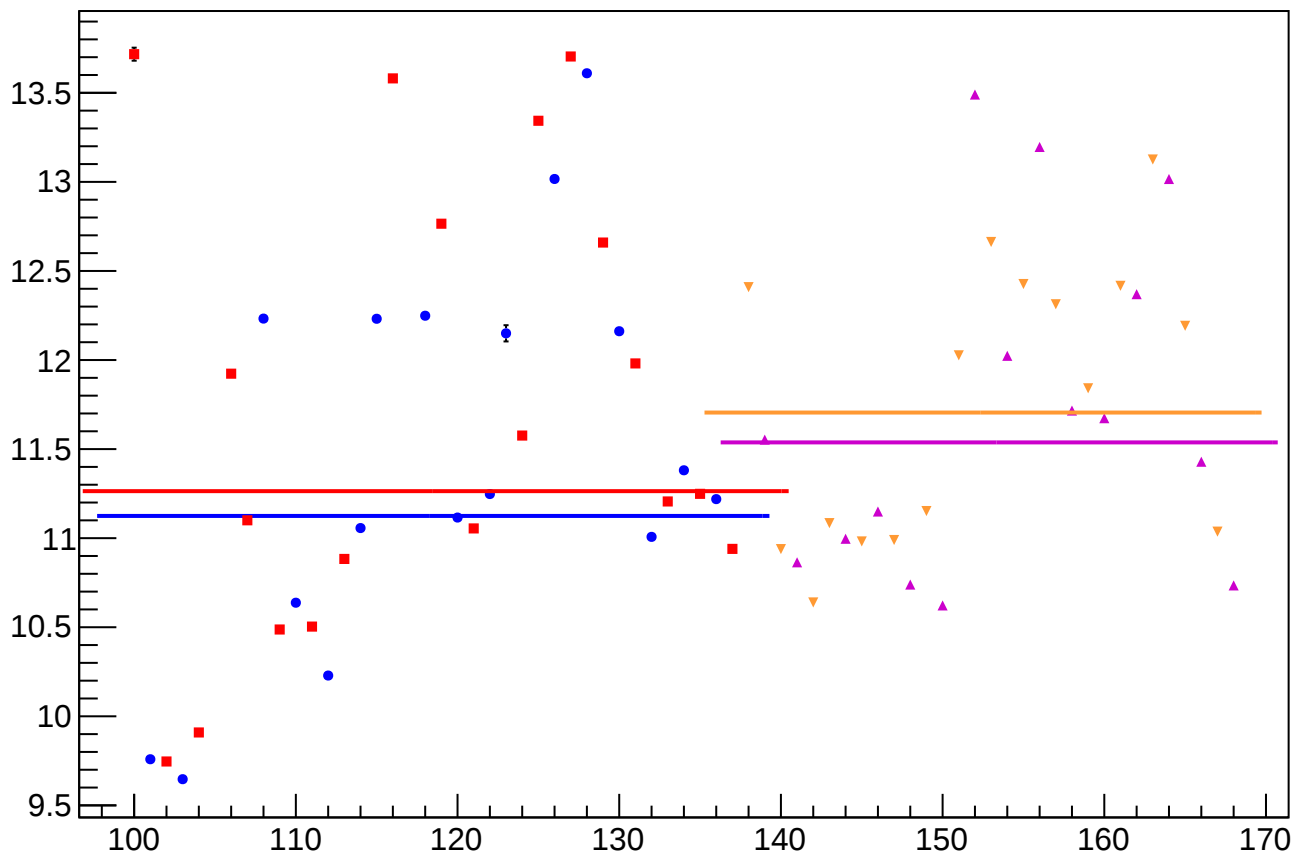
Right: 4.883 ± 3.047 $\chi^2/\text{NDF}: 45.6/35$

In: -4.025 ± 2.680 $\chi^2/\text{NDF}: 35.8/31$

Out: 7.626 ± 2.668 $\chi^2/\text{NDF}: 37.9/34$

All: 1.827 ± 1.891 $\chi^2/\text{NDF}: 83.2/66$

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: 11.705 $\pm$ 0.002 χ^2 /NDF: 92774.5/15

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

Left In: 11.538 $\pm$ 0.002 χ^2 /NDF: 126692.4/14

Left: 11.621 $\pm$ 0.002 χ^2 /NDF: 221882.4/30

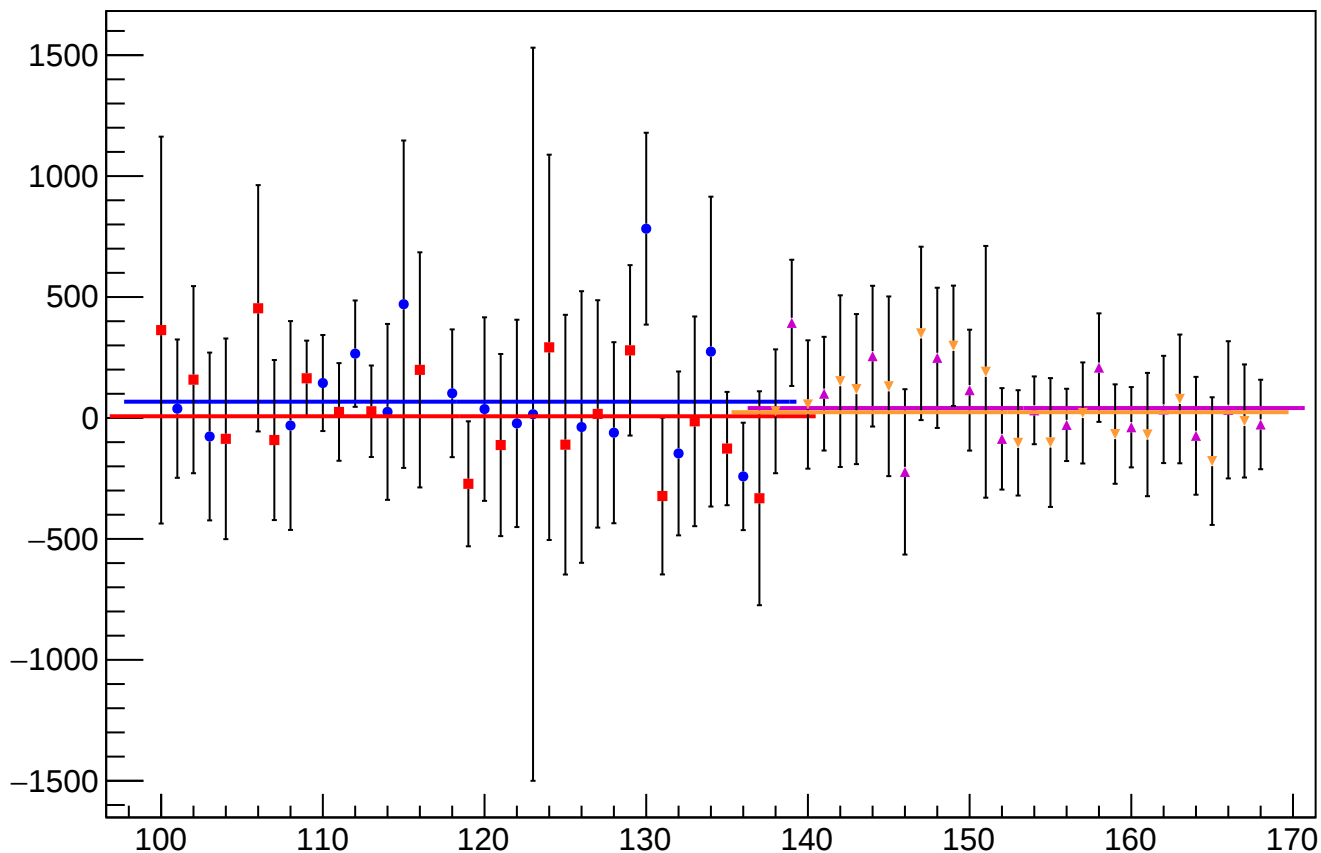
Right: 11.196 $\pm$ 0.002 χ^2 /NDF: 281295.0/35

In: 11.381 $\pm$ 0.002 χ^2 /NDF: 270371.4/31

Out: 11.533 $\pm$ 0.002 χ^2 /NDF: 253537.1/34

All: 11.457 $\pm$ 0.001 χ^2 /NDF: 527106.9/66

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: 23.929 $\pm$ 66.434 χ^2 /NDF: 4.0/15

Right Out: 7.039 $\pm$ 70.212 χ^2 /NDF: 6.4/18

Left In: 41.039 $\pm$ 54.672 χ^2 /NDF: 5.4/14

Left: 34.130 $\pm$ 42.215 χ^2 /NDF: 9.4/30

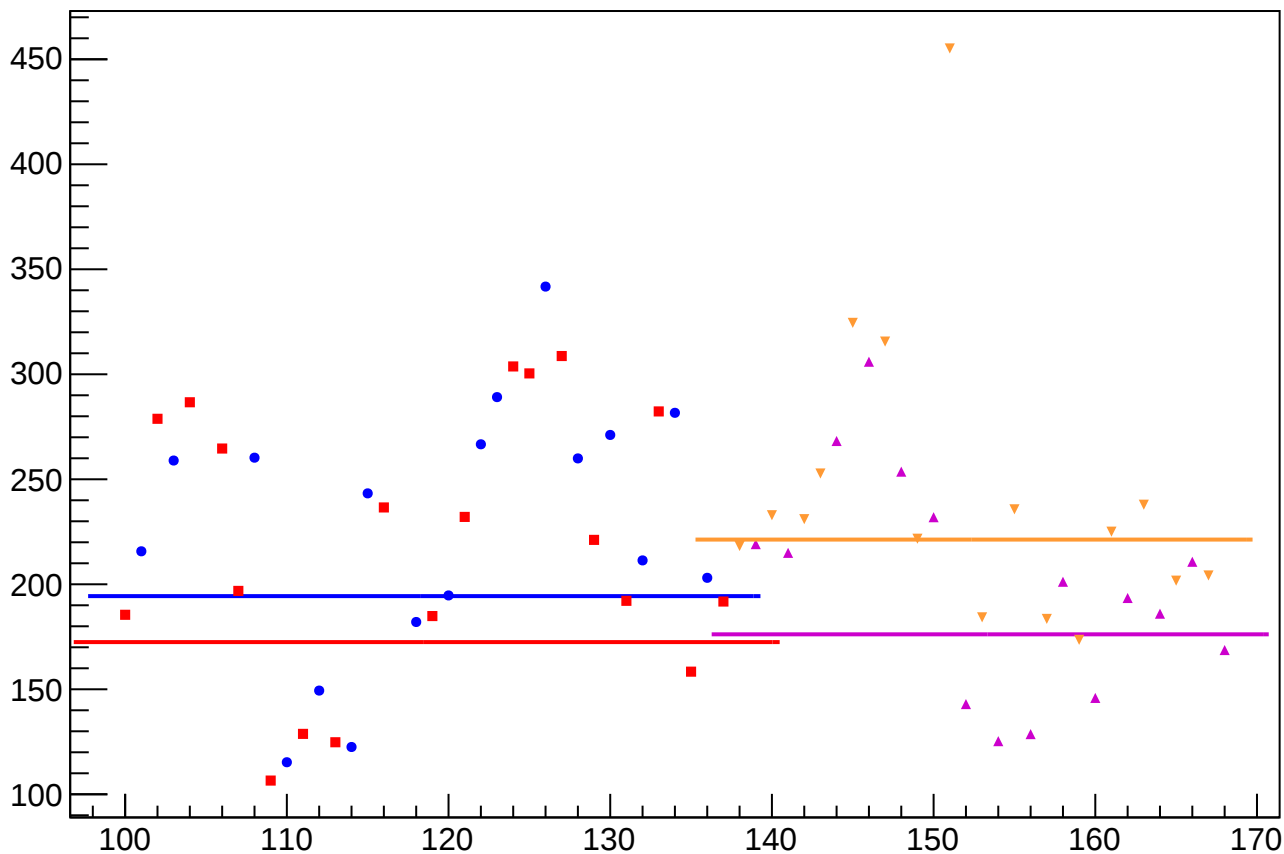
Right: 33.329 $\pm$ 52.718 χ^2 /NDF: 14.2/35

In: 49.427 $\pm$ 45.105 χ^2 /NDF: 12.9/31

Out: 15.950 $\pm$ 48.256 χ^2 /NDF: 10.5/34

All: 33.817 $\pm$ 32.952 χ^2 /NDF: 23.7/66

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365+/-0.056 χ^2/NDF : 1005234.4/16

Left Out: 221.289+/-0.047 χ^2/NDF : 989772.6/15

Right Out: 172.471+/-0.050 χ^2/NDF : 1569648.4/18

Left In: 176.171+/-0.039 χ^2/NDF : 1495695.0/14

Left: 194.389+/-0.030 χ^2/NDF : 3035441.7/30

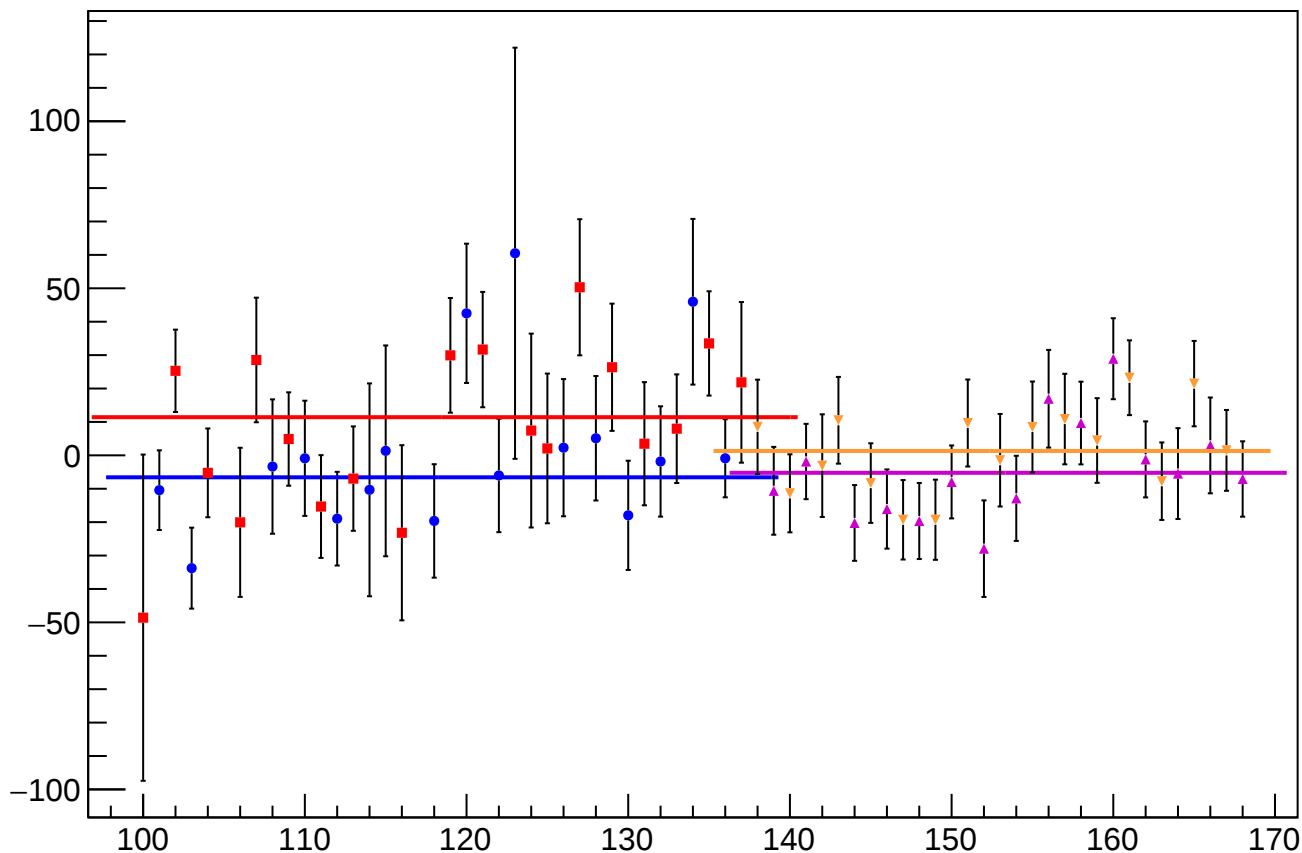
Right: 182.022+/-0.037 χ^2/NDF : 2659717.0/35

In: 181.981+/-0.032 χ^2/NDF : 2571662.6/31

Out: 198.229+/-0.034 χ^2/NDF : 3069548.7/34

All: 189.557+/-0.023 χ^2/NDF : 5762215.9/66

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 $\pm$ 4.157 χ^2 /NDF: 19.3/16

Left Out: 1.310 $\pm$ 3.160 χ^2 /NDF:16.8/15

Right Out: 11.423 $\pm$ 4.080 χ^2 /NDF: 23.0/18

Left In: -5.228 $\pm$ 3.171 χ^2 /NDF:19.5/14

Left: -1.948 $\pm$ 2.238 χ^2 /NDF: 38.5/30

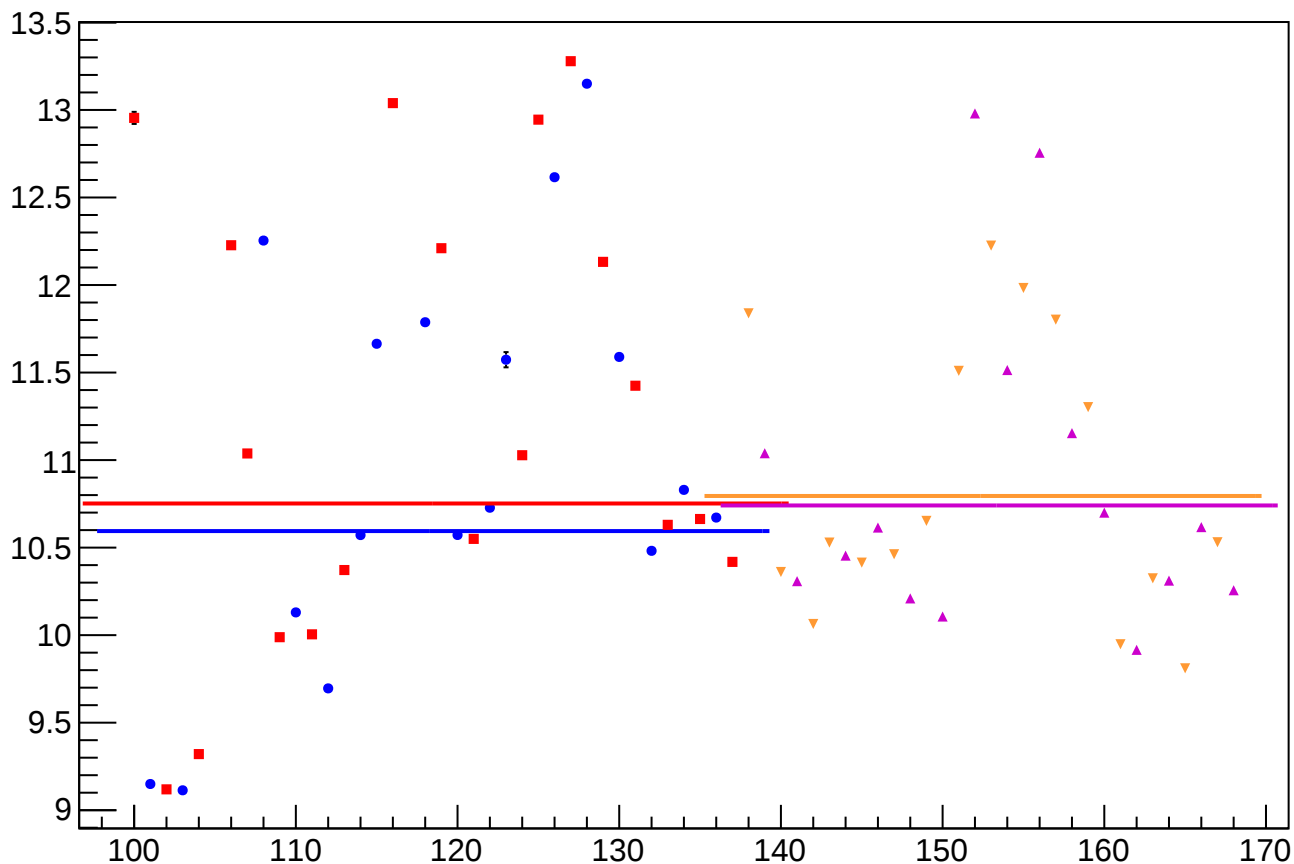
Right: 2.593 $\pm$ 2.912 χ^2 /NDF: 51.8/35

In: -5.724 $\pm$ 2.521 χ^2 /NDF:38.9/31

Out: 5.103 $\pm$ 2.498 χ^2 /NDF:43.6/34

All: -0.261 $\pm$ 1.775 χ^2 /NDF: 91.8/66

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: 10.795 $\pm$ 0.002 χ^2 /NDF:107346.0/15

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

Left In: 10.741 $\pm$ 0.002 χ^2 /NDF:128510.4/14

Left: 10.768 $\pm$ 0.002 χ^2 /NDF: 236149.3/30

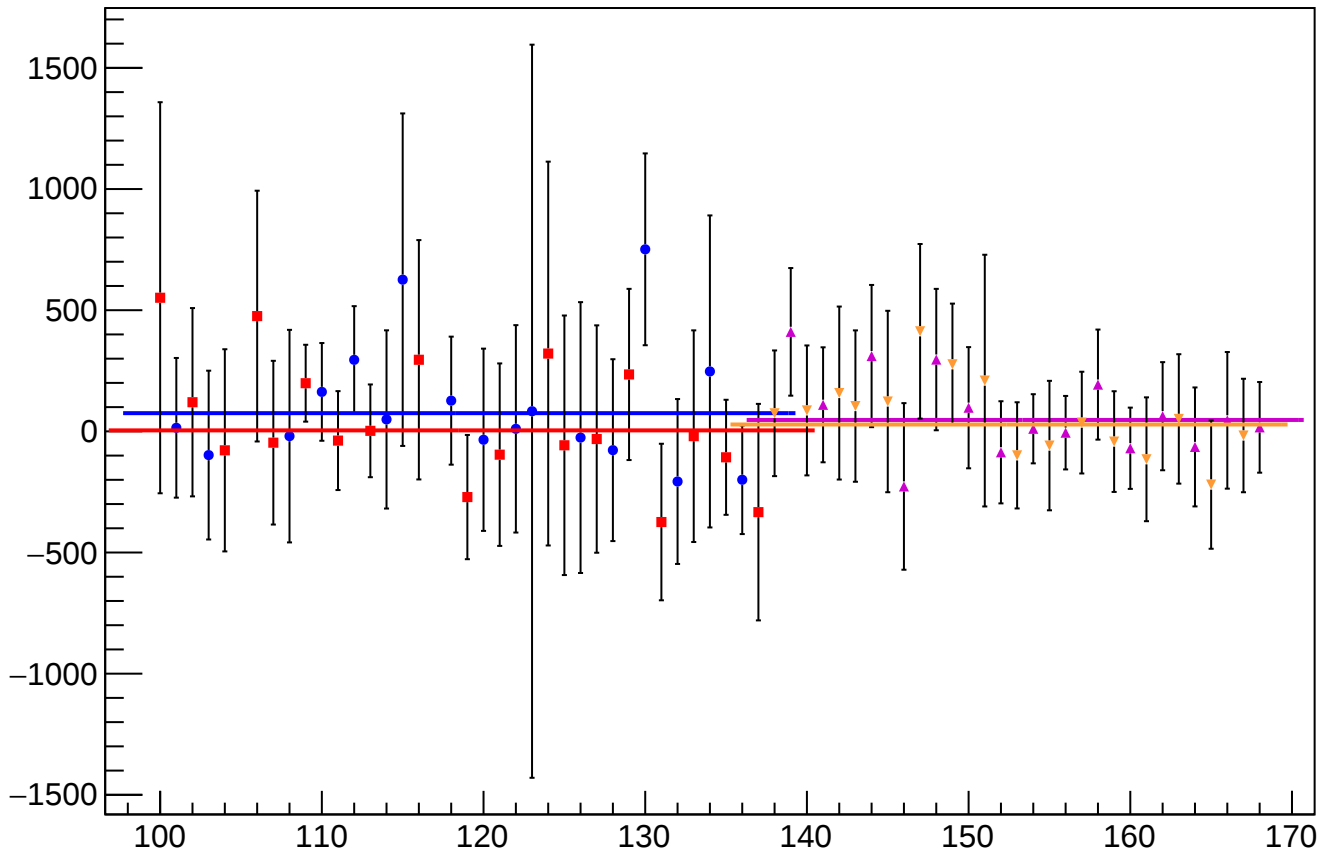
Right: 10.675 $\pm$ 0.002 χ^2 /NDF: 338695.4/35

In: 10.687 $\pm$ 0.002 χ^2 /NDF:290136.3/31

Out: 10.779 $\pm$ 0.002 χ^2 /NDF:284657.5/34

All: 10.733 $\pm$ 0.001 χ^2 /NDF: 576134.1/66

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086+/-80.352 χ^2/NDF : 7.7/16

Left Out: 28.315+/-66.835 χ^2/NDF : 4.4/15

Right Out: 3.999+/-70.883 χ^2/NDF : 7.3/18

Left In: 47.050+/-55.226 χ^2/NDF : 5.9/14

Left: 39.448+/-42.573 χ^2/NDF : 10.3/30

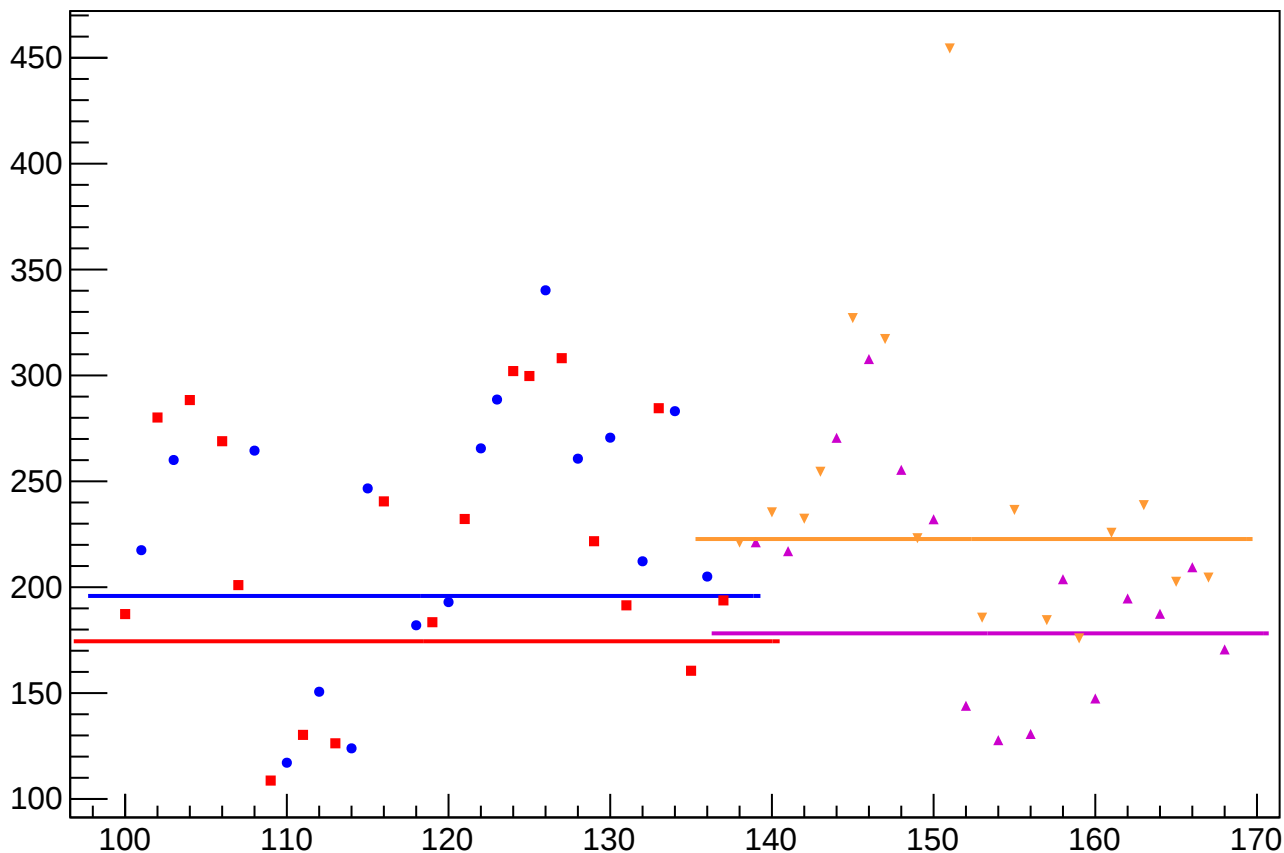
Right: 35.109+/-53.156 χ^2/NDF : 15.5/35

In: 56.045+/-45.513 χ^2/NDF : 13.7/31

Out: 16.871+/-48.628 χ^2/NDF : 11.8/34

All: 37.753+/-33.229 χ^2/NDF : 25.8/66

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: 222.750 $\pm$ 0.047 χ^2 /NDF: 979852.2/15

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

Left In: 178.206 $\pm$ 0.039 χ^2 /NDF: 1454721.4/14

Left: 196.279 $\pm$ 0.030 χ^2 /NDF: 2962506.3/30

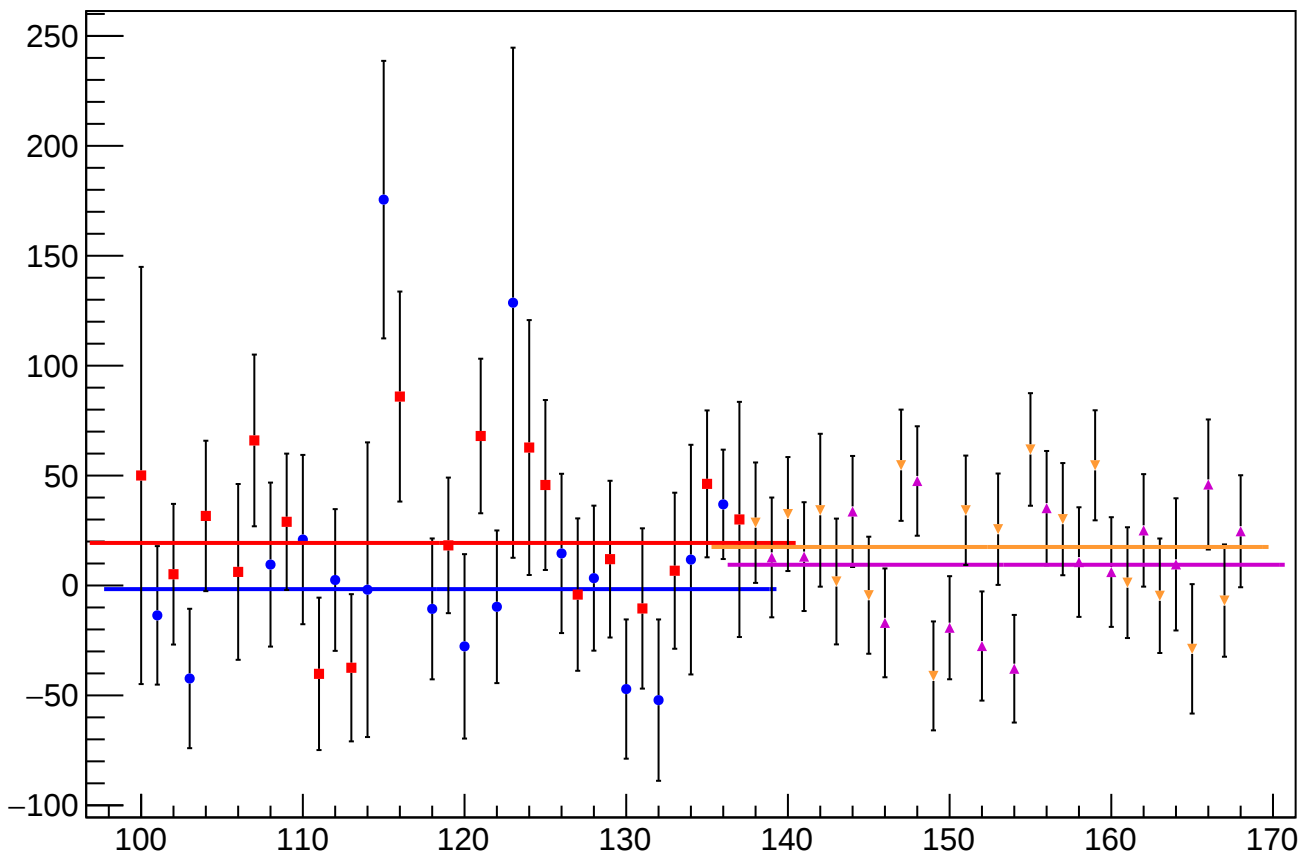
Right: 183.832 $\pm$ 0.038 χ^2 /NDF: 2587830.9/35

In: 183.873 $\pm$ 0.032 χ^2 /NDF: 2499605.5/31

Out: 200.026 $\pm$ 0.034 χ^2 /NDF: 2999905.9/34

All: 191.415 $\pm$ 0.023 χ^2 /NDF: 5617146.9/66

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 $\chi^2/\text{NDF}: 18.5/16$

Left Out: 17.521 ± 6.589 $\chi^2/\text{NDF}: 20.0/15$

Right Out: 19.357 ± 8.556 $\chi^2/\text{NDF}: 14.8/18$

Left In: 9.426 ± 6.607 $\chi^2/\text{NDF}: 15.1/14$

Left: 13.484 ± 4.665 $\chi^2/\text{NDF}: 35.9/30$

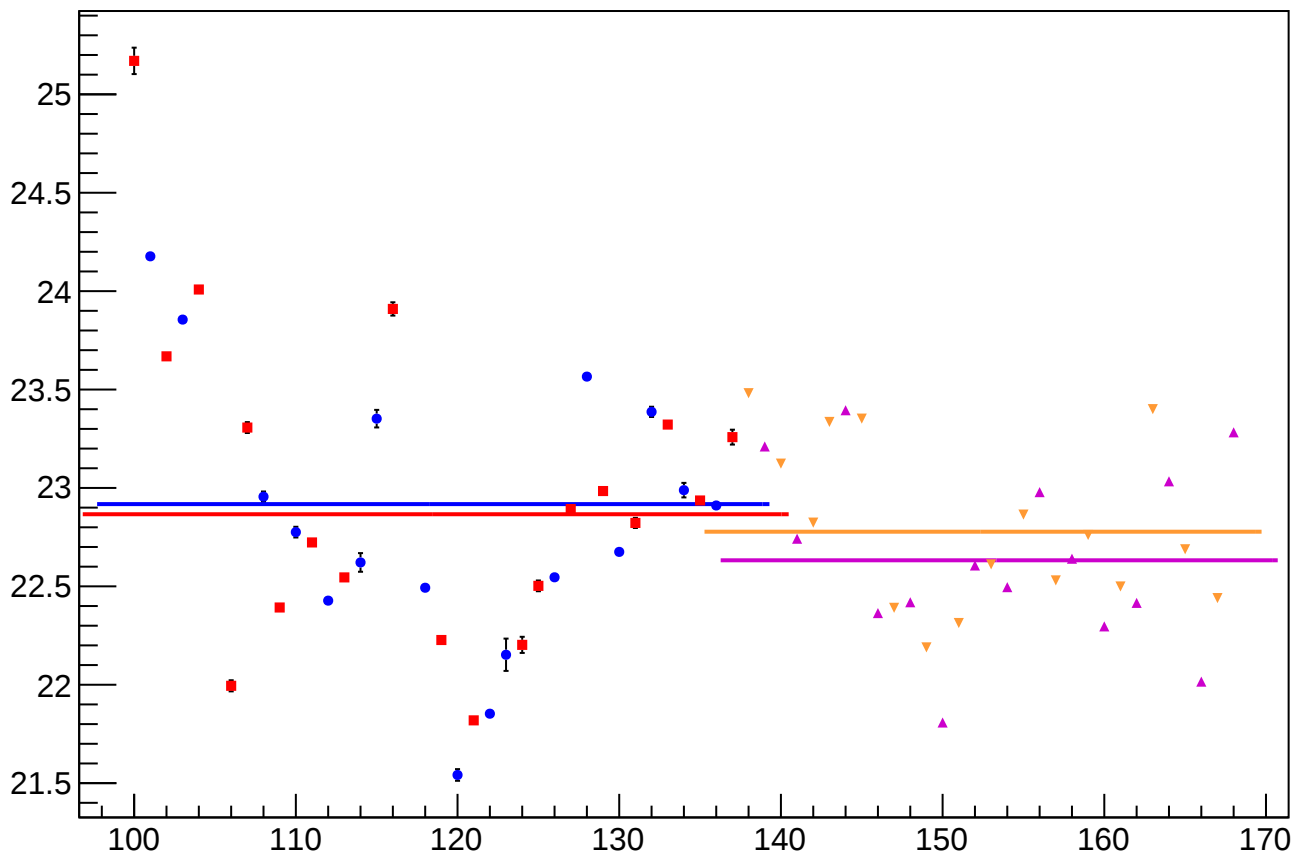
Right: 9.244 ± 6.162 $\chi^2/\text{NDF}: 36.2/35$

In: 5.479 ± 5.301 $\chi^2/\text{NDF}: 34.7/31$

Out: 18.204 ± 5.220 $\chi^2/\text{NDF}: 34.8/34$

All: 11.939 ± 3.719 $\chi^2/\text{NDF}: 72.4/66$

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: 22.778 $\pm$ 0.005 χ^2 /NDF: 7711.7/15

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

Left In: 22.632 $\pm$ 0.005 χ^2 /NDF: 9066.6/14

Left: 22.705 $\pm$ 0.003 χ^2 /NDF: 17263.3/30

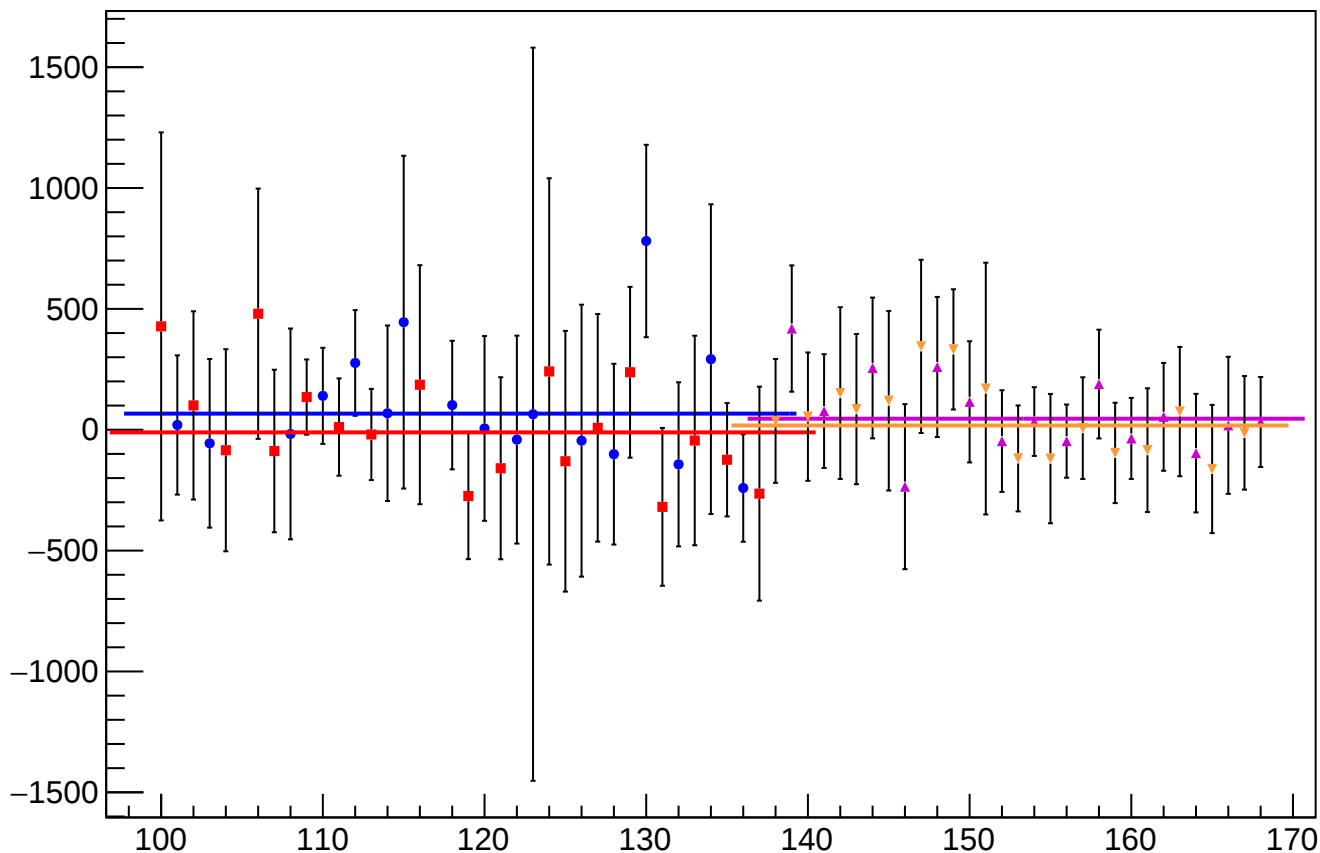
Right: 22.891 $\pm$ 0.004 χ^2 /NDF: 22559.6/35

In: 22.734 $\pm$ 0.004 χ^2 /NDF: 21869.5/31

Out: 22.811 $\pm$ 0.004 χ^2 /NDF: 18899.4/34

All: 22.773 $\pm$ 0.003 χ^2 /NDF: 40981.1/66

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: 17.706 $\pm$ 66.708 χ^2 /NDF:4.4/15

Right Out: -10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

Left In: 45.720 $\pm$ 55.061 χ^2 /NDF:5.4/14

Left: 34.368 $\pm$ 42.464 χ^2 /NDF: 10.0/30

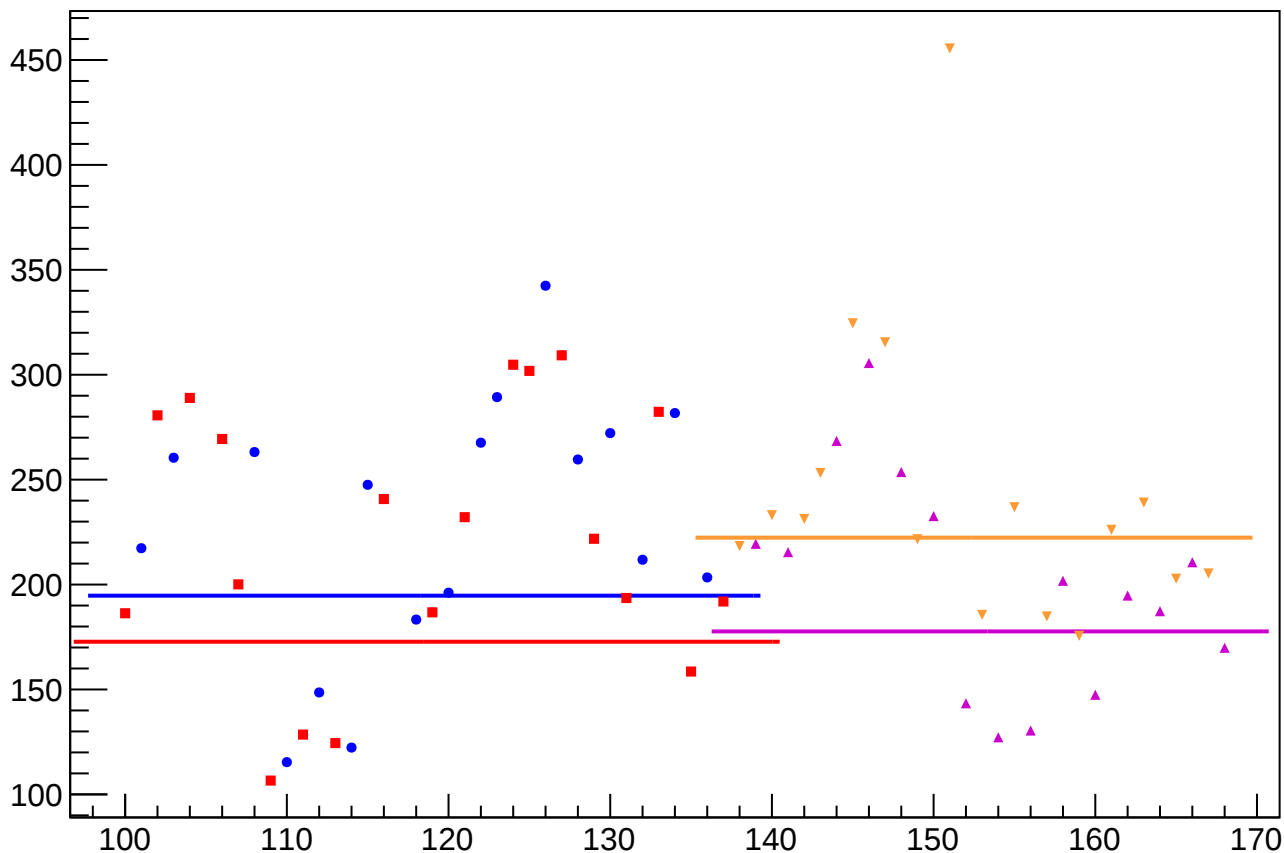
Right: 22.979 $\pm$ 52.843 χ^2 /NDF: 13.8/35

In: 52.464 $\pm$ 45.355 χ^2 /NDF:13.0/31

Out: 4.184 $\pm$ 48.418 χ^2 /NDF:10.2/34

All: 29.899 $\pm$ 33.101 χ^2 /NDF: 23.8/66

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: 222.353 $\pm$ 0.047 χ^2 /NDF:969041.4/15

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

Left In: 177.673 $\pm$ 0.039 χ^2 /NDF:1444049.6/14

Left: 195.778 $\pm$ 0.030 χ^2 /NDF: 2946733.0/30

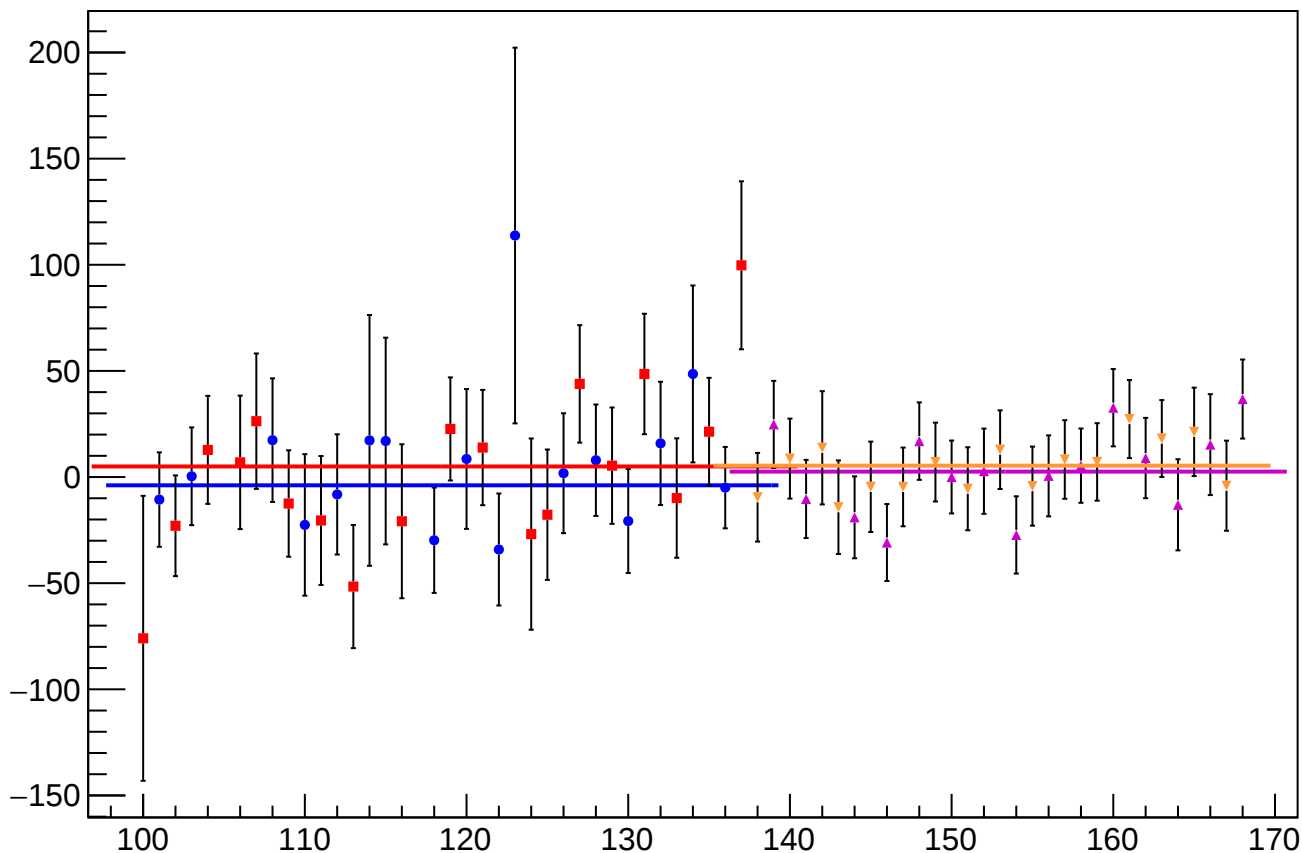
Right: 182.331 $\pm$ 0.037 χ^2 /NDF: 2701685.9/35

In: 183.147 $\pm$ 0.032 χ^2 /NDF:2525425.4/31

Out: 198.883 $\pm$ 0.034 χ^2 /NDF:3089172.2/34

All: 190.502 $\pm$ 0.023 χ^2 /NDF: 5727106.1/66

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894 $\pm$ 6.915 χ^2 /NDF: 8.4/16

Left Out: 5.351 $\pm$ 4.912 χ^2 /NDF:5.4/15

Right Out: 4.985 $\pm$ 6.727 χ^2 /NDF: 21.3/18

Left In: 2.559 $\pm$ 4.903 χ^2 /NDF:16.7/14

Left: 3.952 $\pm$ 3.470 χ^2 /NDF: 22.3/30

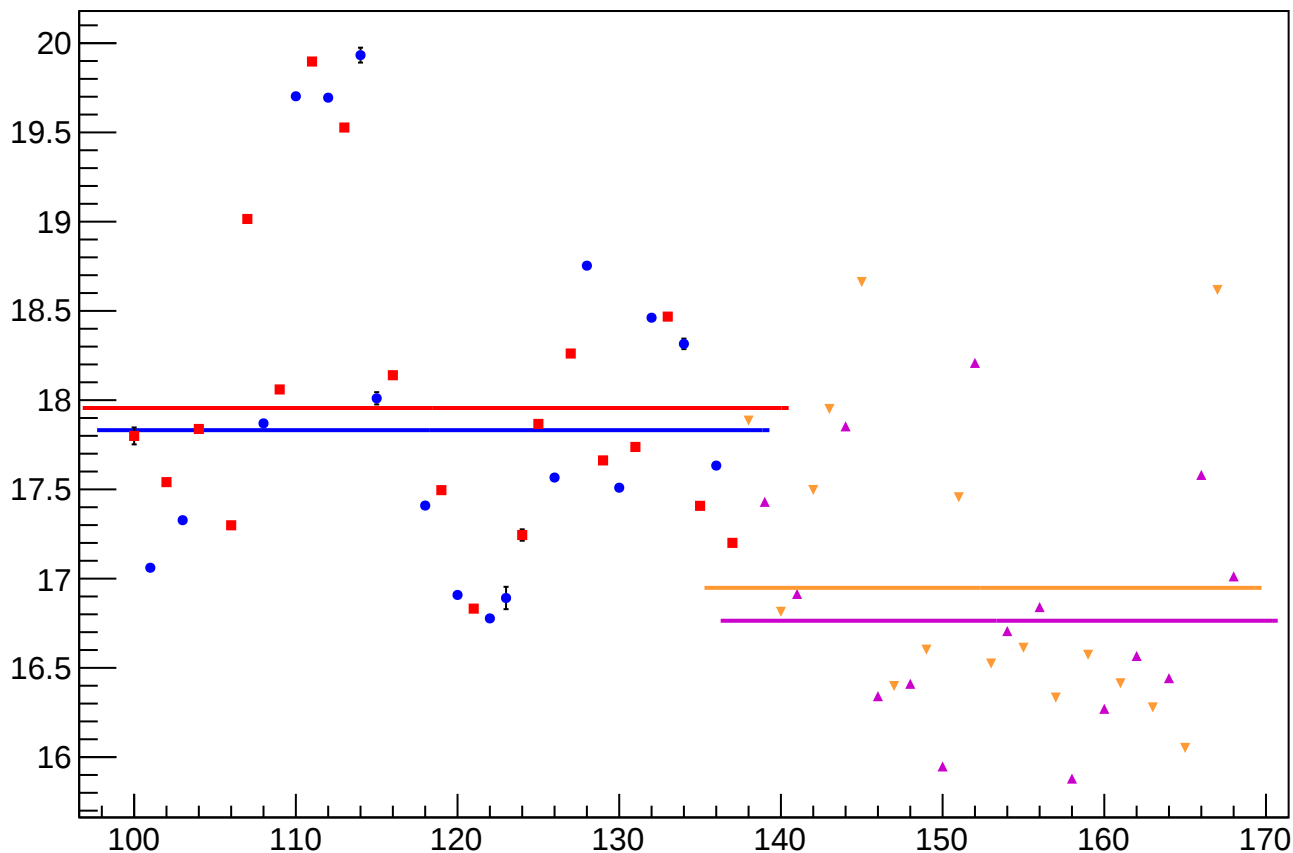
Right: 0.668 $\pm$ 4.822 χ^2 /NDF: 30.6/35

In: 0.400 $\pm$ 4.000 χ^2 /NDF:25.7/31

Out: 5.224 $\pm$ 3.967 χ^2 /NDF:26.8/34

All: 2.832 $\pm$ 2.817 χ^2 /NDF: 53.2/66

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 16.948 $\pm$ 0.003 χ^2 /NDF: 51101.6/15

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

Left In: 16.764 $\pm$ 0.003 χ^2 /NDF: 35341.3/14

Left: 16.856 $\pm$ 0.002 χ^2 /NDF: 87853.9/30

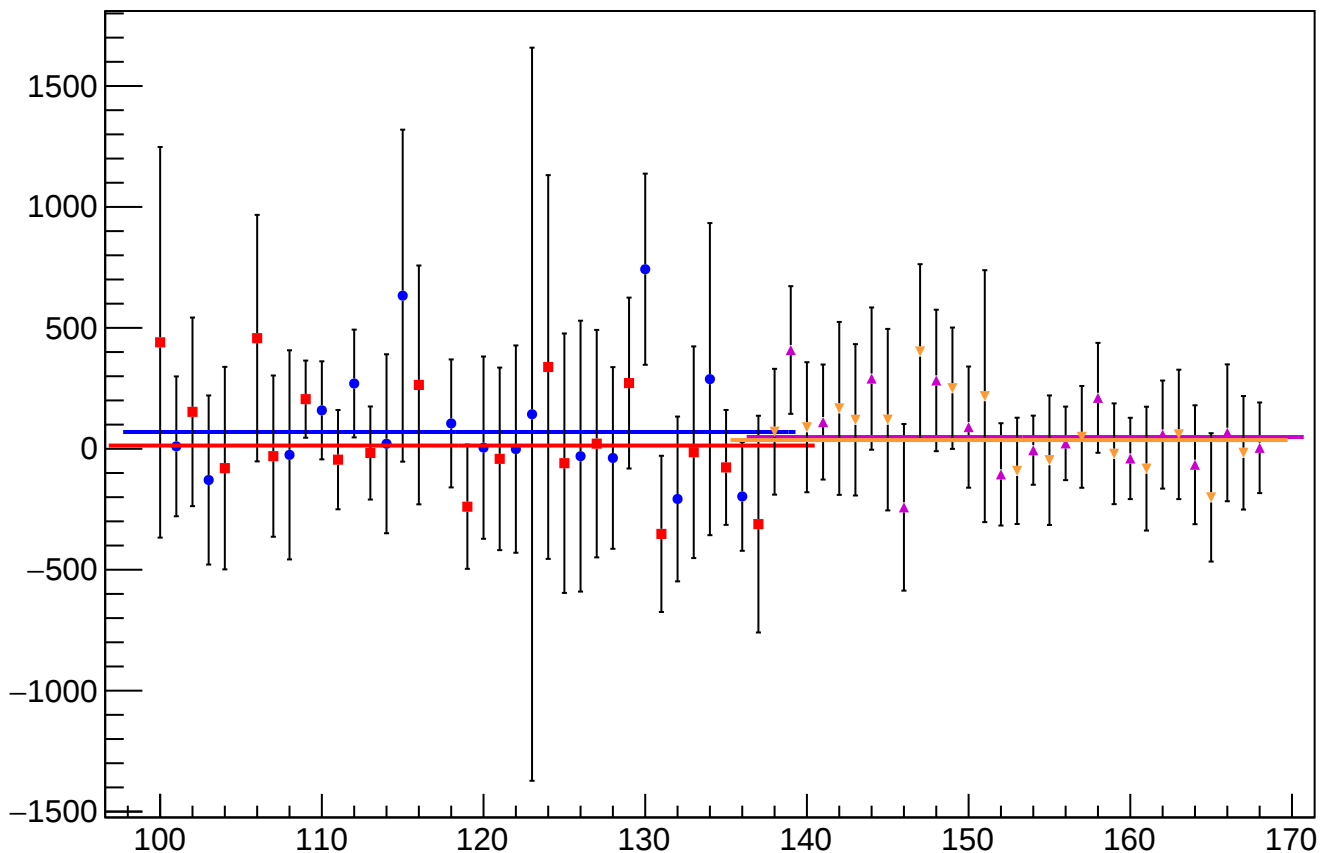
Right: 17.896 $\pm$ 0.003 χ^2 /NDF: 56643.8/35

In: 17.121 $\pm$ 0.003 χ^2 /NDF: 97932.3/31

Out: 17.299 $\pm$ 0.003 χ^2 /NDF: 105814.7/34

All: 17.211 $\pm$ 0.002 χ^2 /NDF: 205734.1/66

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 36.131+/-66.985 χ^2/NDF : 3.8/15

Right Out: 13.410+/-71.041 χ^2/NDF : 6.7/18

Left In: 48.677+/-55.338 χ^2/NDF : 5.8/14

Left: 43.588+/-42.663 χ^2/NDF : 9.5/30

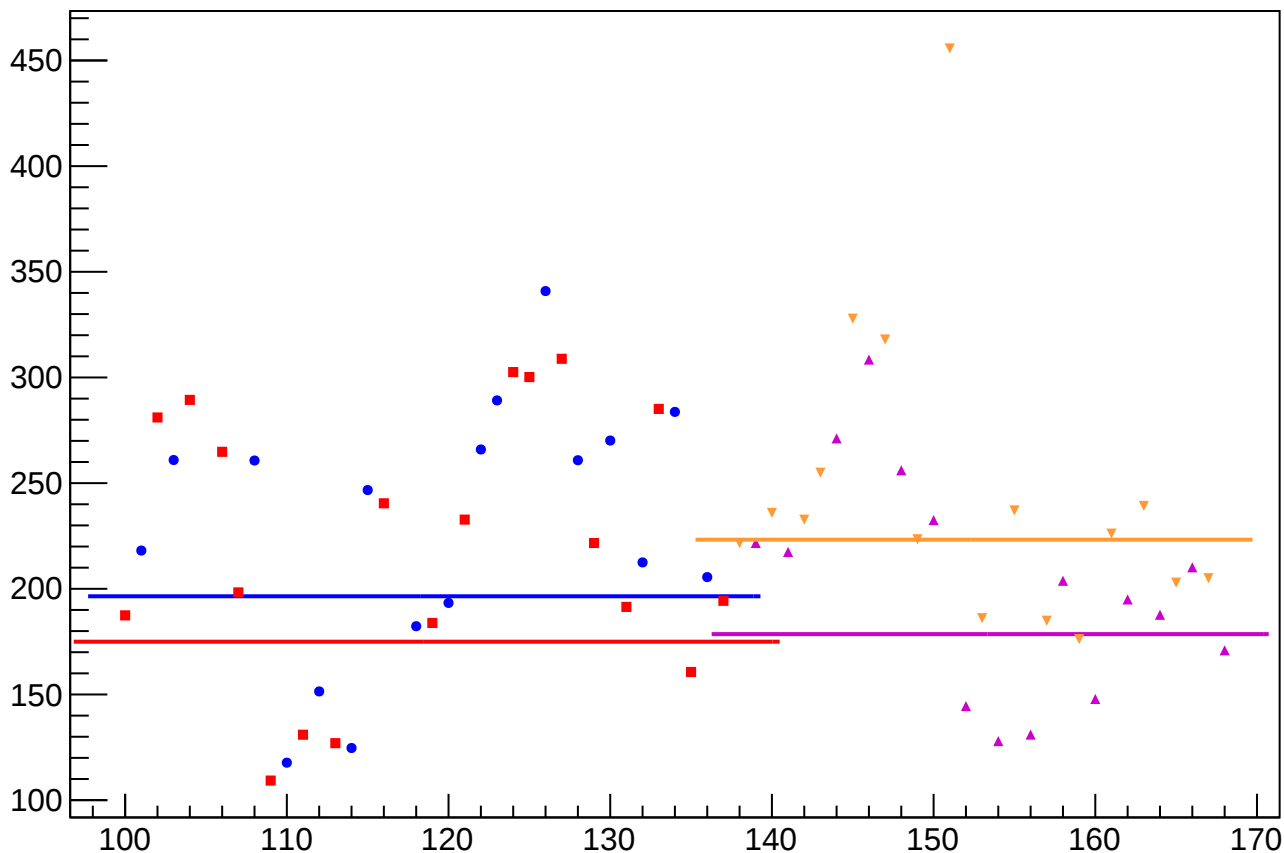
Right: 37.955+/-53.280 χ^2/NDF : 14.4/35

In: 55.357+/-45.611 χ^2/NDF : 13.2/31

Out: 25.438+/-48.737 χ^2/NDF : 10.5/34

All: 41.387+/-33.302 χ^2/NDF : 23.9/66

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470+/-0.057 χ^2/NDF : 964281.5/16

Left Out: 223.248+/-0.047 χ^2/NDF : 979873.6/15

Right Out: 174.981+/-0.050 χ^2/NDF : 1511102.3/18

Left In: 178.566+/-0.039 χ^2/NDF : 1454478.5/14

Left: 196.691+/-0.030 χ^2/NDF : 2963267.3/30

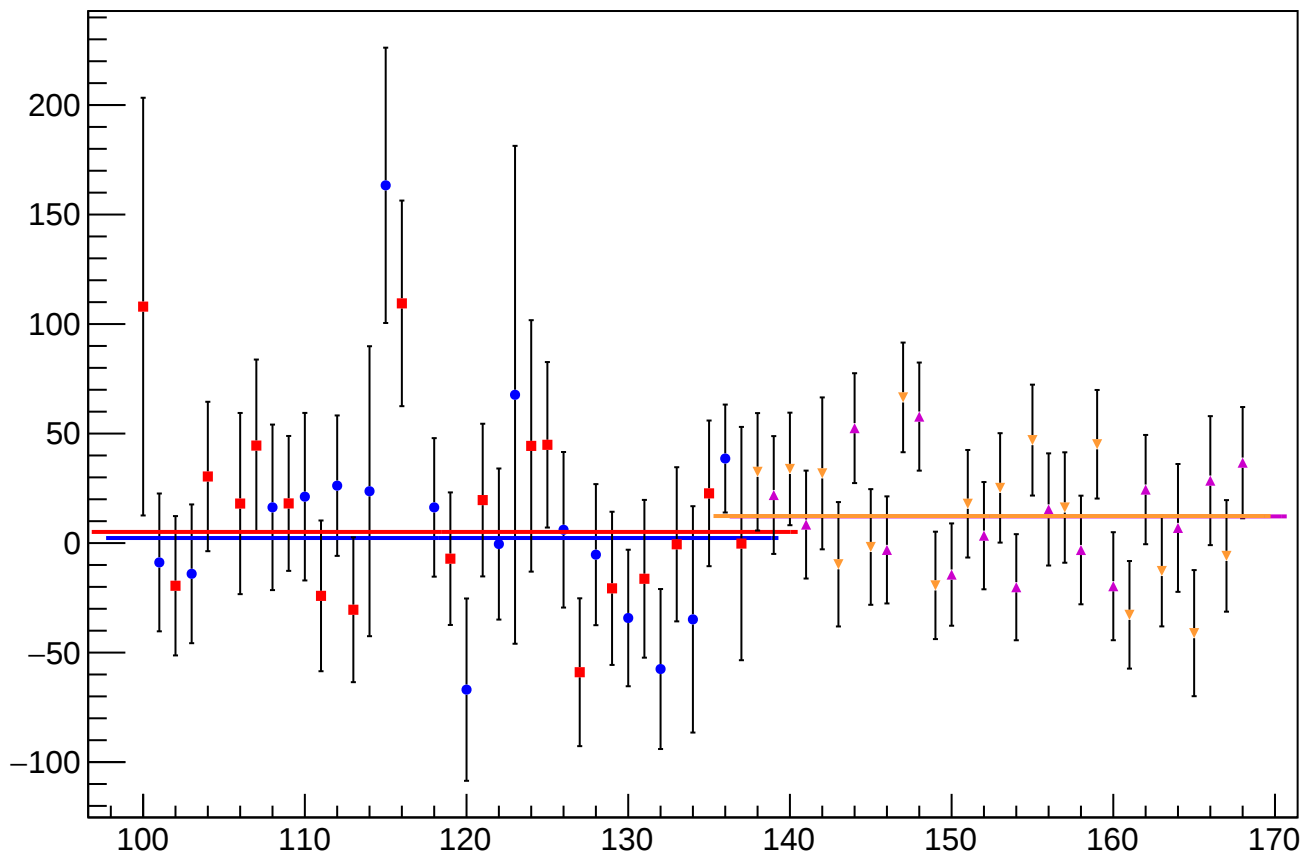
Right: 184.383+/-0.038 χ^2/NDF : 2555448.8/35

In: 184.307+/-0.032 χ^2/NDF : 2485887.3/31

Out: 200.532+/-0.034 χ^2/NDF : 2979696.6/34

All: 191.882+/-0.024 χ^2/NDF : 5583746.3/66

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: 12.345 ± 6.501 $\chi^2/\text{NDF}: 21.1/15$

Right Out: 5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

Left In: 12.182 ± 6.534 $\chi^2/\text{NDF}: 13.3/14$

Left: 12.264 ± 4.608 $\chi^2/\text{NDF}: 34.4/30$

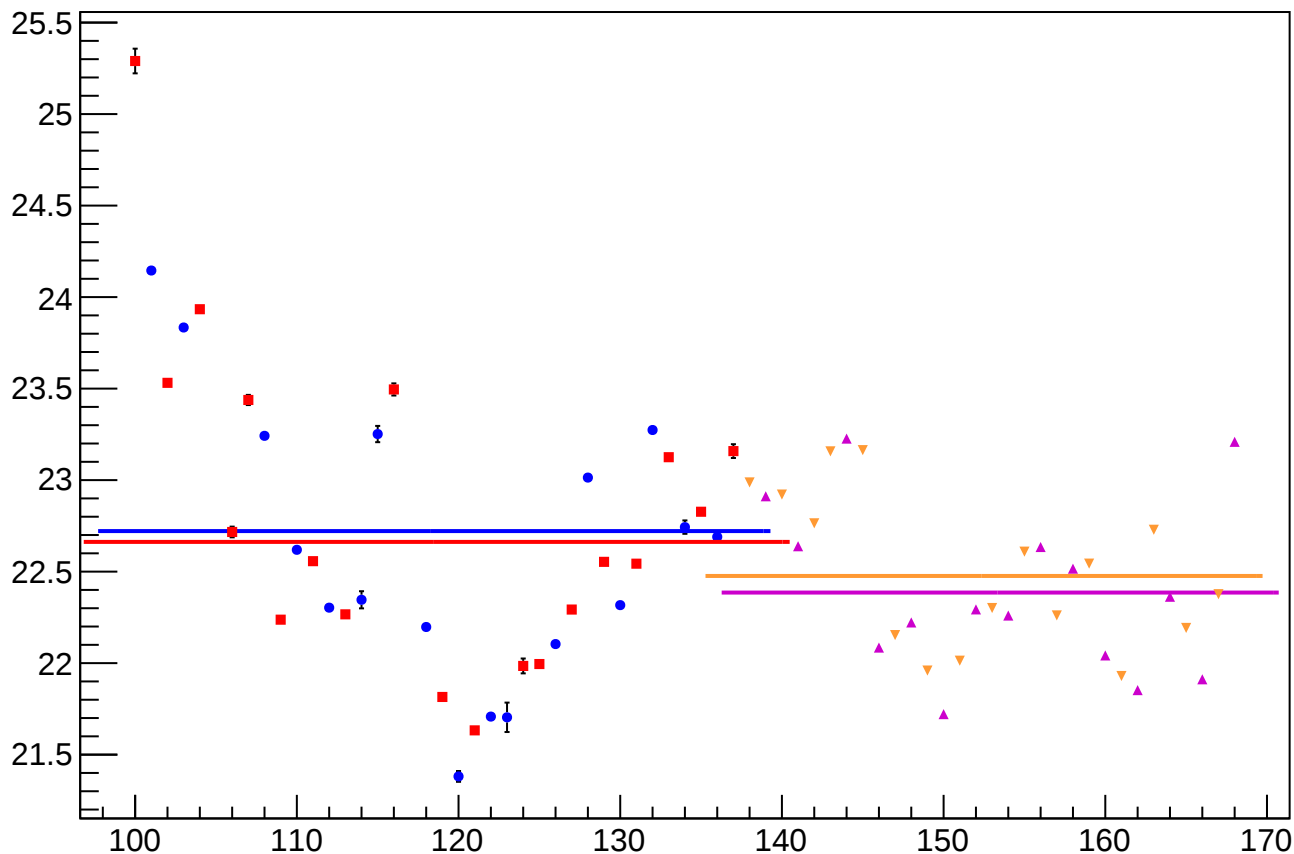
Right: 3.750 ± 6.108 $\chi^2/\text{NDF}: 35.3/35$

In: 8.675 ± 5.247 $\chi^2/\text{NDF}: 32.2/31$

Out: 9.659 ± 5.159 $\chi^2/\text{NDF}: 38.7/34$

All: 9.176 ± 3.679 $\chi^2/\text{NDF}: 71.0/66$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722+/-0.006 χ^2/NDF : 13580.6/16

Left Out: 22.476+/-0.005 χ^2/NDF : 7631.6/15

Right Out: 22.662+/-0.006 χ^2/NDF : 12955.6/18

Left In: 22.386+/-0.005 χ^2/NDF : 9484.9/14

Left: 22.431+/-0.003 χ^2/NDF : 17310.4/30

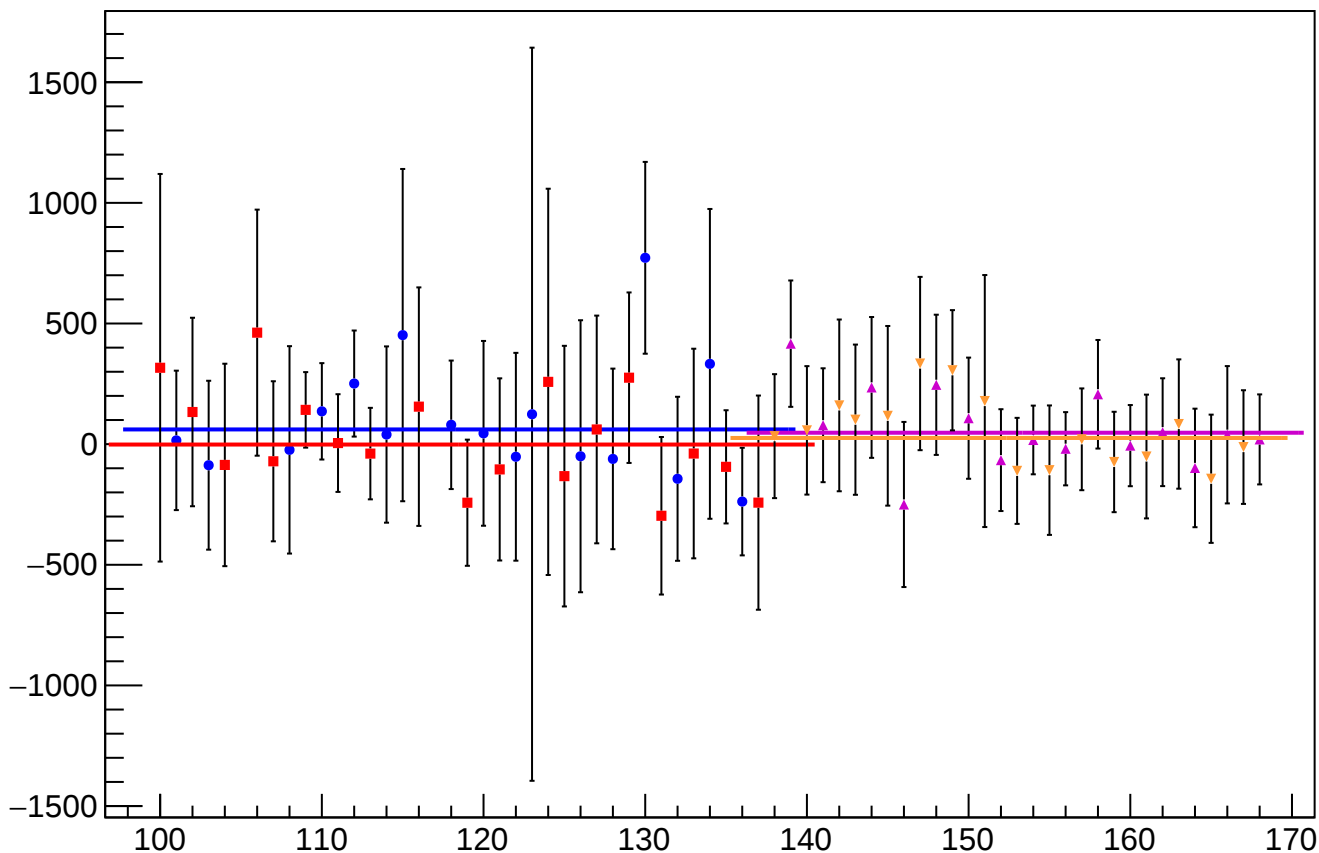
Right: 22.691+/-0.004 χ^2/NDF : 26582.8/35

In: 22.505+/-0.004 χ^2/NDF : 24942.7/31

Out: 22.545+/-0.004 χ^2/NDF : 21193.9/34

All: 22.525+/-0.003 χ^2/NDF : 46196.7/66

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: 25.603 $\pm$ 66.858 χ^2 /NDF:3.8/15

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

Left In: 47.276 $\pm$ 55.172 χ^2 /NDF:5.2/14

Left: 38.496 $\pm$ 42.554 χ^2 /NDF: 9.1/30

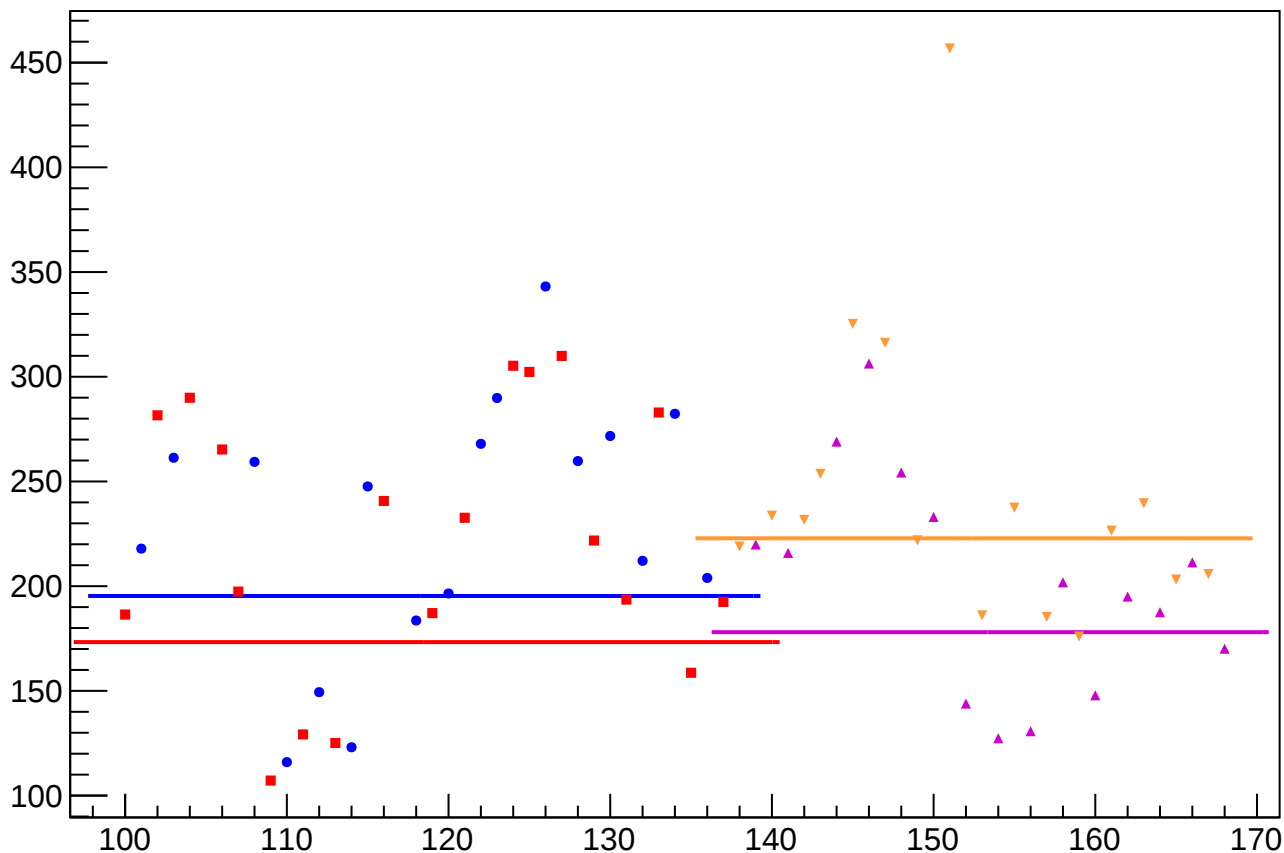
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 51.672 $\pm$ 45.454 χ^2 /NDF:12.4/31

Out: 12.710 $\pm$ 48.528 χ^2 /NDF:9.0/34

All: 33.464 $\pm$ 33.175 χ^2 /NDF: 21.8/66

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 222.849+/-0.047 χ^2/NDF : 969078.7/15

Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

Left In: 178.031+/-0.039 χ^2/NDF : 1443901.7/14

Left: 196.188+/-0.030 χ^2/NDF : 2947622.6/30

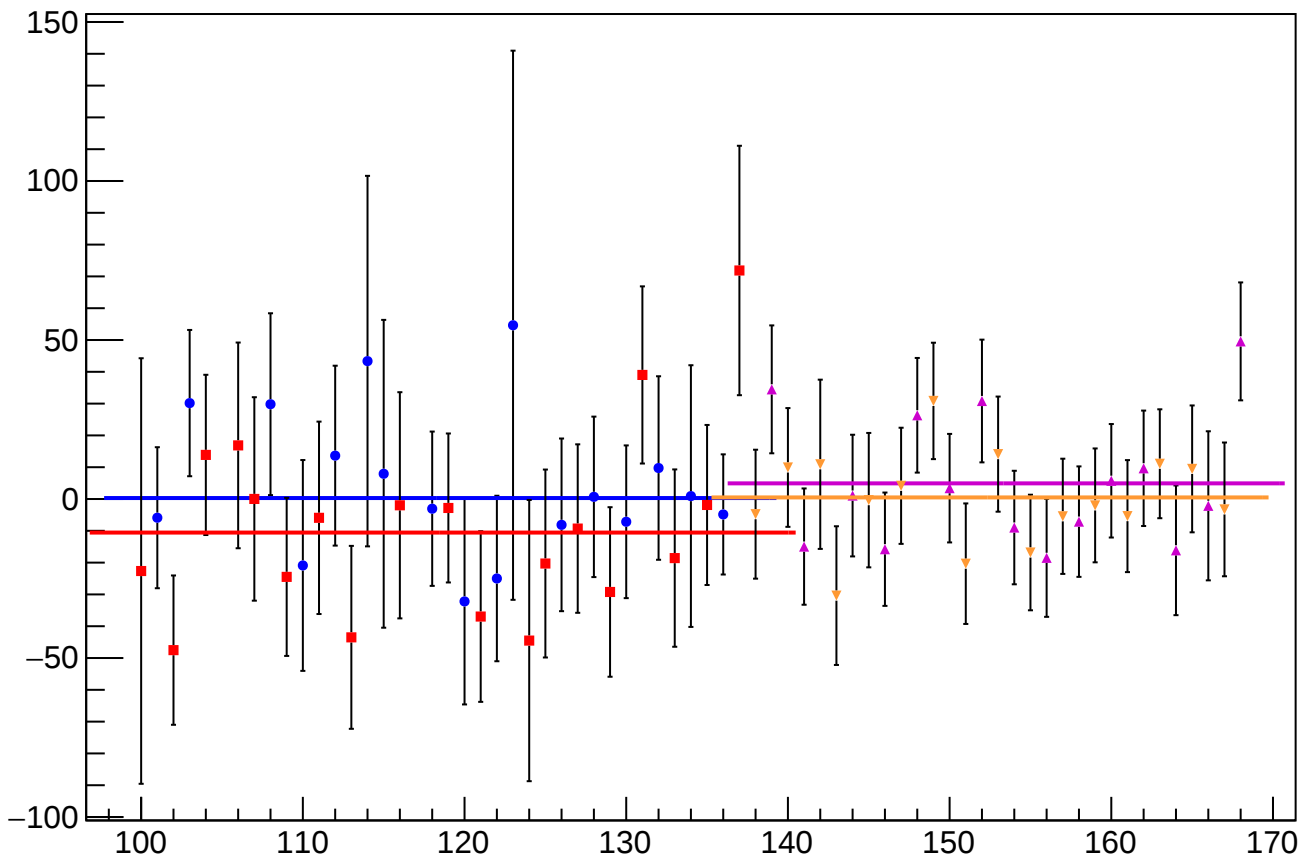
Right: 182.896+/-0.037 χ^2/NDF : 2667678.3/35

In: 183.584+/-0.032 χ^2/NDF : 2511169.8/31

Out: 199.398+/-0.034 χ^2/NDF : 3067536.2/34

All: 190.974+/-0.023 χ^2/NDF : 5691832.5/66

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: 0.500 ± 4.796 χ^2/NDF : 8.8/15

Right Out: -10.553 ± 6.628 χ^2/NDF : 16.0/18

Left In: 4.922 ± 4.810 χ^2/NDF : 17.7/14

Left: 2.704 ± 3.396 χ^2/NDF : 26.9/30

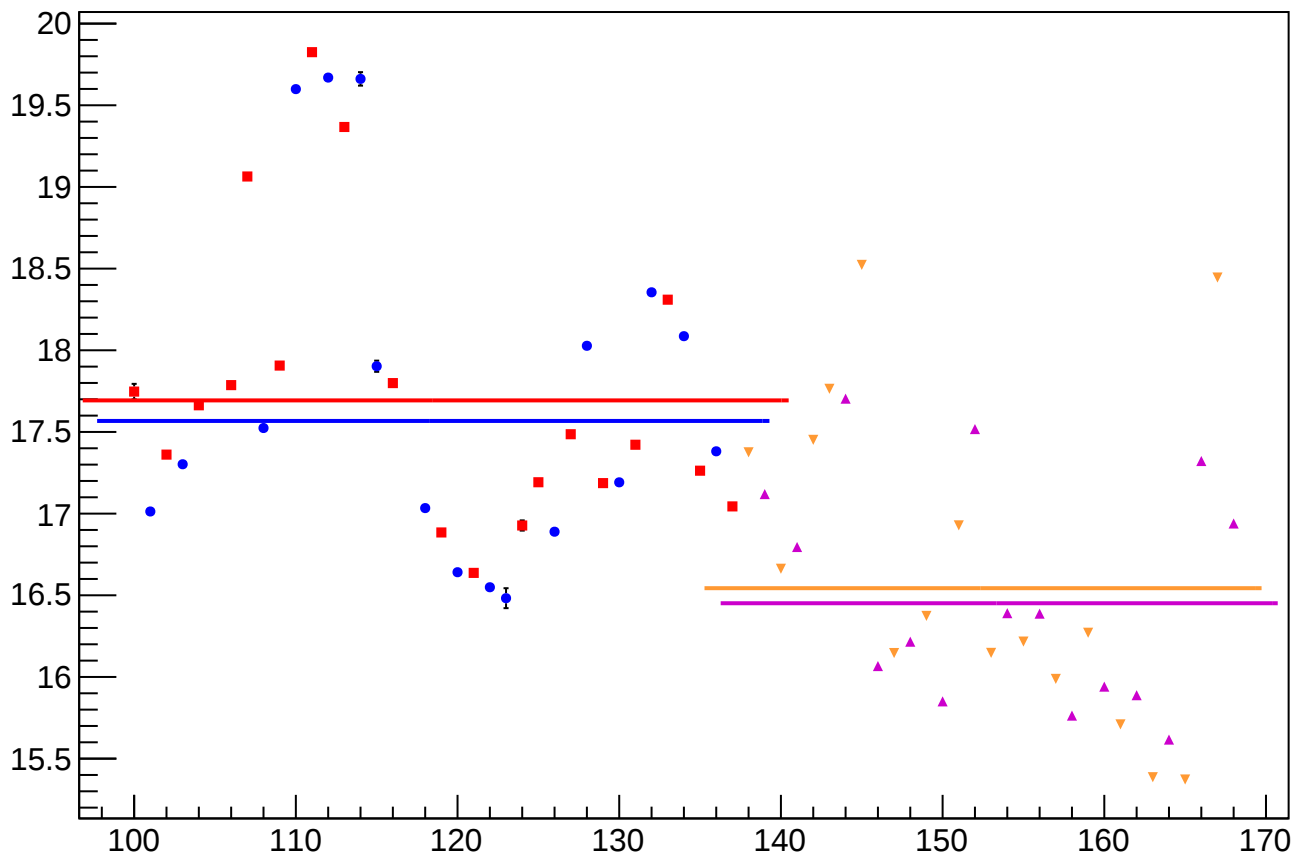
Right: -5.273 ± 4.751 χ^2/NDF : 24.1/35

In: 3.386 ± 3.930 χ^2/NDF : 24.7/31

Out: -3.298 ± 3.885 χ^2/NDF : 26.7/34

All: 0.006 ± 2.763 χ^2/NDF : 52.9/66

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: 16.544 $\pm$ 0.003 χ^2 /NDF: 72355.3/15

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.451 $\pm$ 0.003 χ^2 /NDF: 35595.2/14

Left: 16.498 $\pm$ 0.002 χ^2 /NDF: 108318.8/30

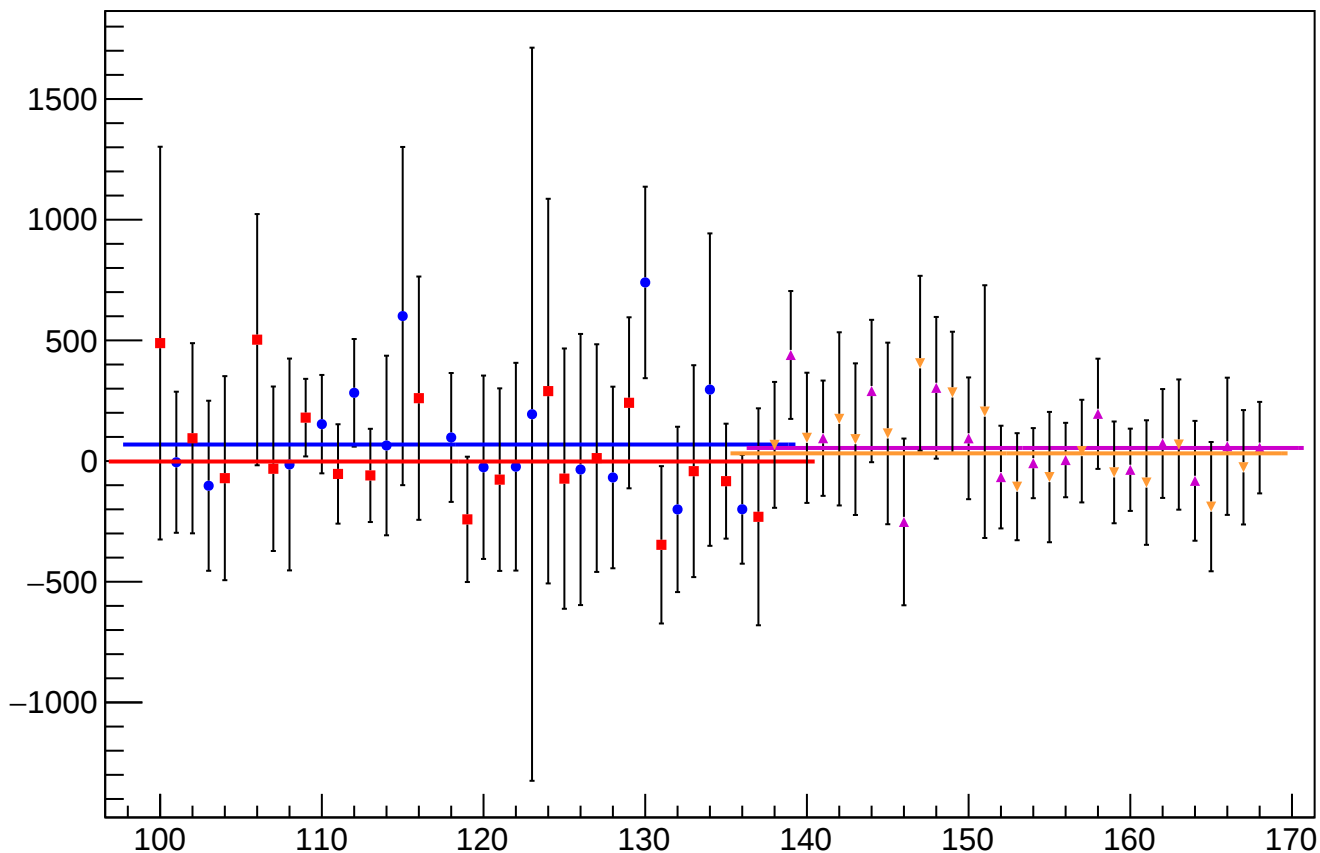
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.823 $\pm$ 0.003 χ^2 /NDF: 104559.3/31

Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 142622.0/34

All: 16.881 $\pm$ 0.002 χ^2 /NDF: 248061.1/66

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 31.983+/-67.472 χ^2/NDF : 4.1/15

Right Out: -1.831+/-71.538 χ^2/NDF : 6.1/18

Left In: 54.268+/-55.880 χ^2/NDF : 5.9/14

Left: 45.201+/-43.037 χ^2/NDF : 10.1/30

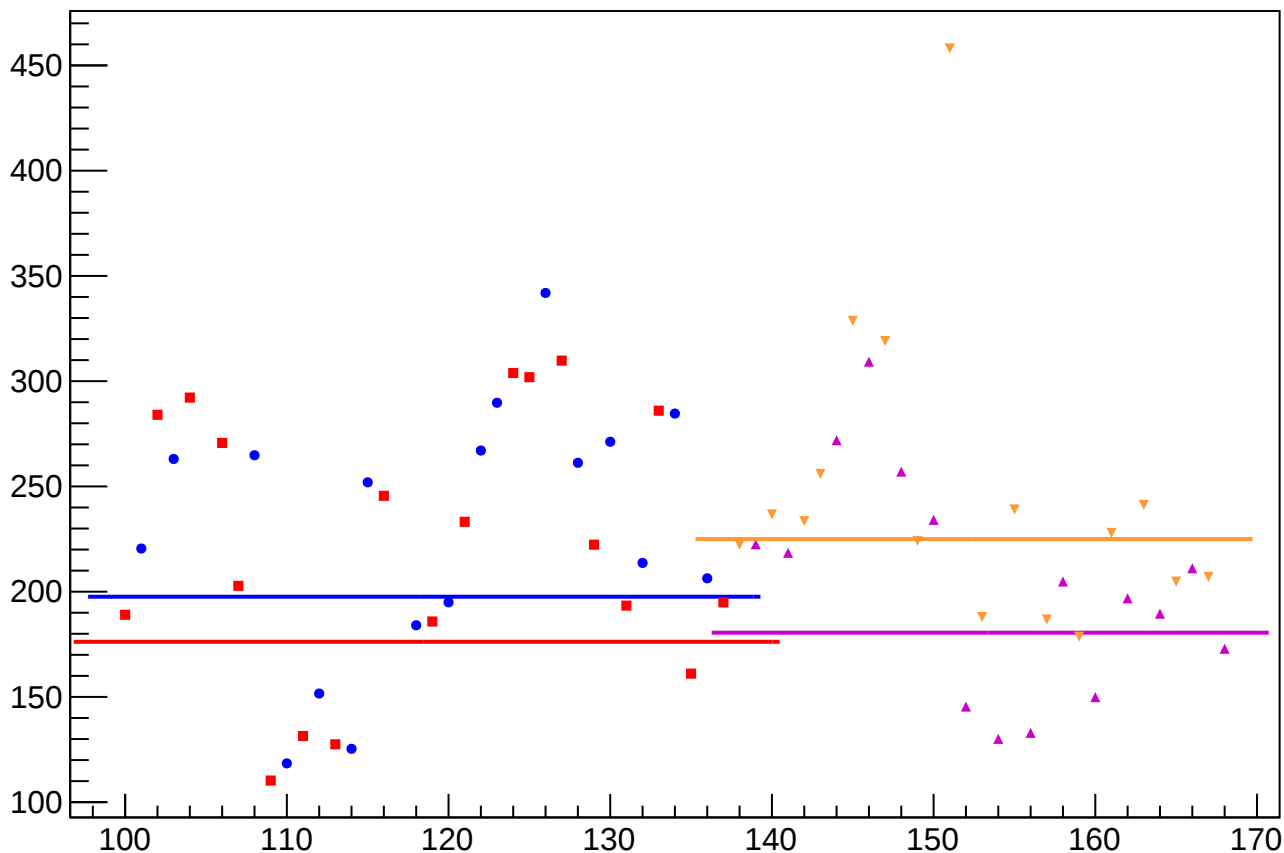
Right: 29.004+/-53.625 χ^2/NDF : 13.9/35

In: 58.873+/-46.000 χ^2/NDF : 13.2/31

Out: 16.065+/-49.084 χ^2/NDF : 10.4/34

All: 38.856+/-33.564 χ^2/NDF : 24.0/66

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: 225.003 $\pm$ 0.048 χ^2 /NDF: 960553.6/15

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

Left In: 180.527 $\pm$ 0.040 χ^2 /NDF: 1409996.2/14

Left: 198.622 $\pm$ 0.030 χ^2 /NDF: 2886038.5/30

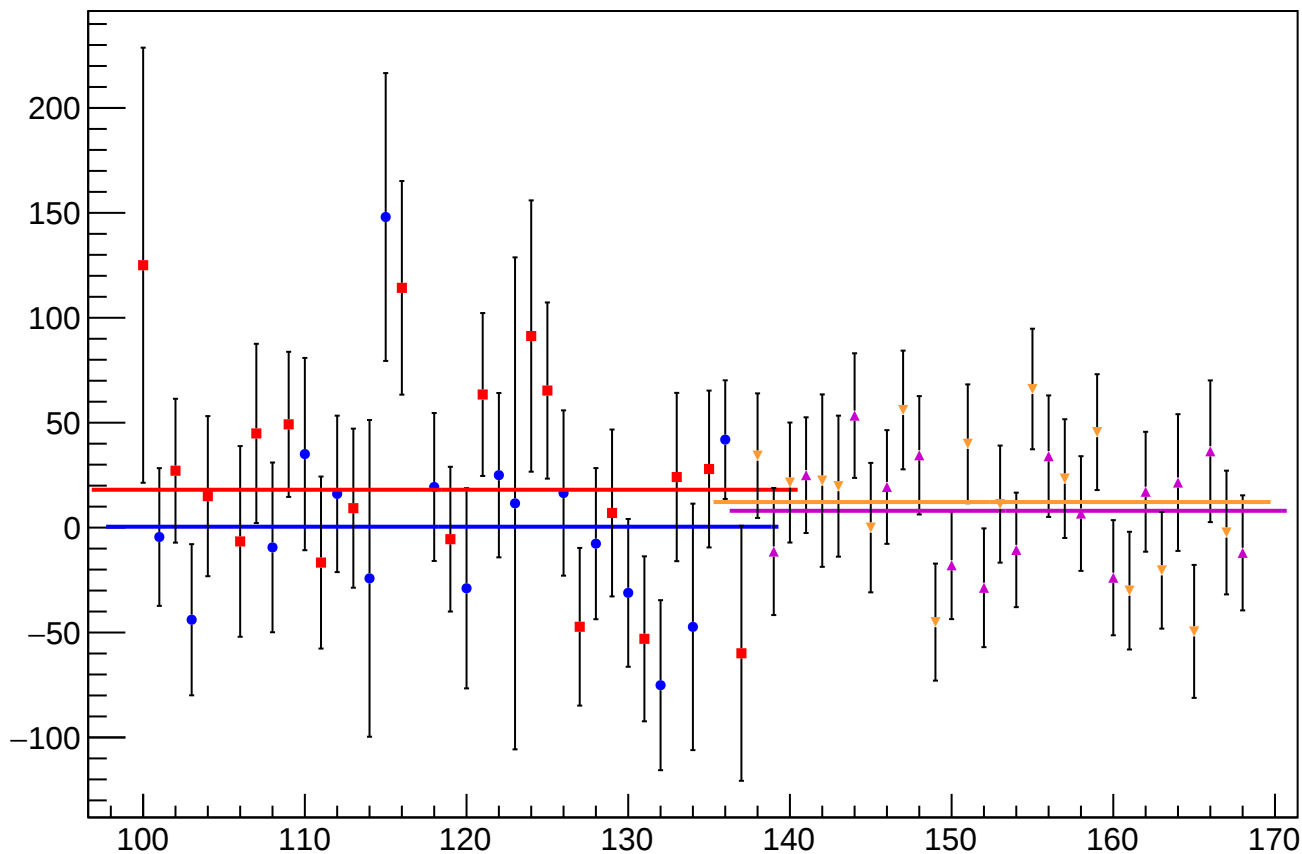
Right: 185.577 $\pm$ 0.038 χ^2 /NDF: 2567082.7/35

In: 186.031 $\pm$ 0.033 χ^2 /NDF: 2439034.9/31

Out: 202.029 $\pm$ 0.035 χ^2 /NDF: 2972964.4/34

All: 193.512 $\pm$ 0.024 χ^2 /NDF: 5525101.8/66

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: 12.185 $\pm$ 7.364 χ^2/NDF :21.3/15

Right Out: 18.044 $\pm$ 9.499 χ^2/NDF : 19.5/18

Left In: 8.017 $\pm$ 7.351 χ^2/NDF :11.0/14

Left: 10.098 $\pm$ 5.203 χ^2/NDF : 32.5/30

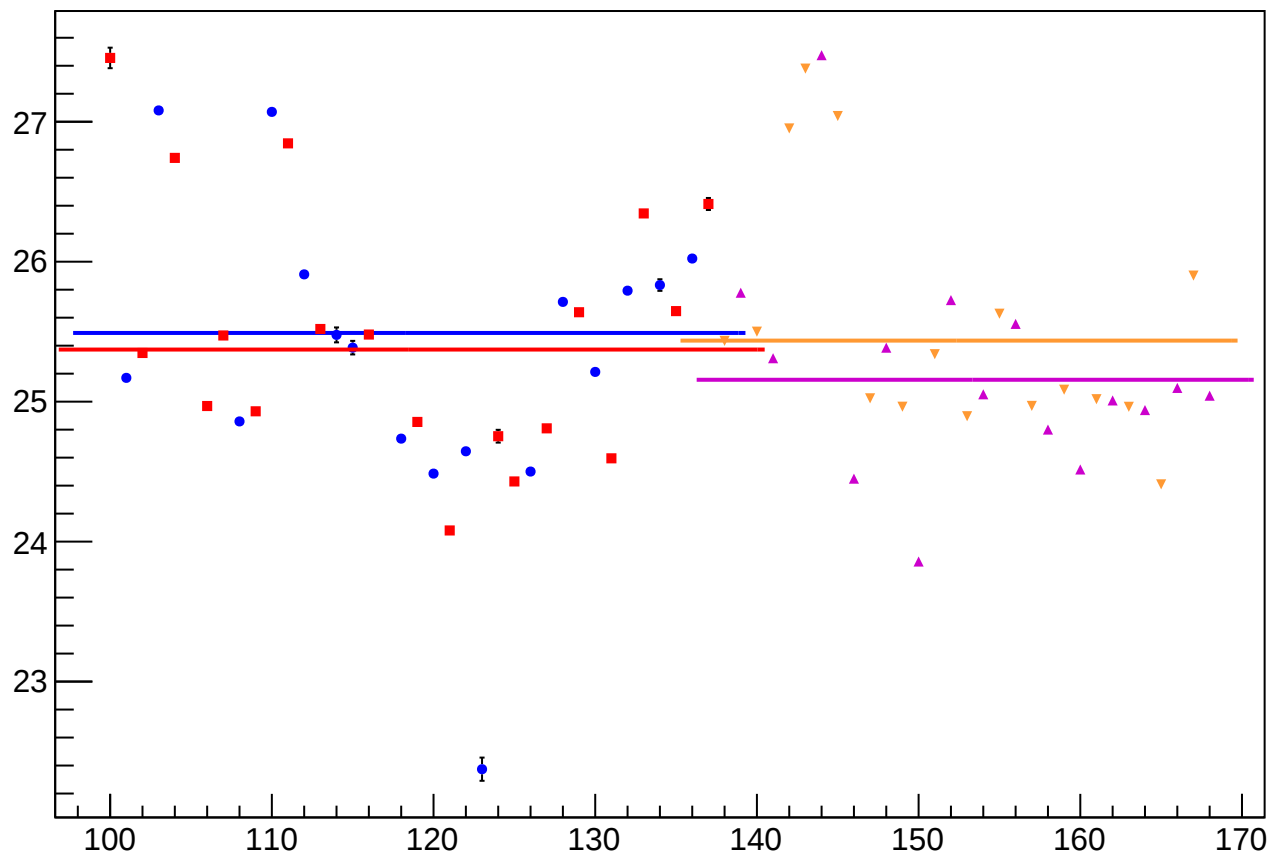
Right: 9.585 $\pm$ 6.849 χ^2/NDF : 36.6/35

In: 5.314 $\pm$ 5.899 χ^2/NDF :26.9/31

Out: 14.385 $\pm$ 5.820 χ^2/NDF :41.0/34

All: 9.910 $\pm$ 4.143 χ^2/NDF : 69.1/66

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: 25.436 $\pm$ 0.005 χ^2 /NDF:21186.0/15

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

Left In: 25.156 $\pm$ 0.005 χ^2 /NDF:22546.6/14

Left: 25.296 $\pm$ 0.004 χ^2 /NDF: 45179.2/30

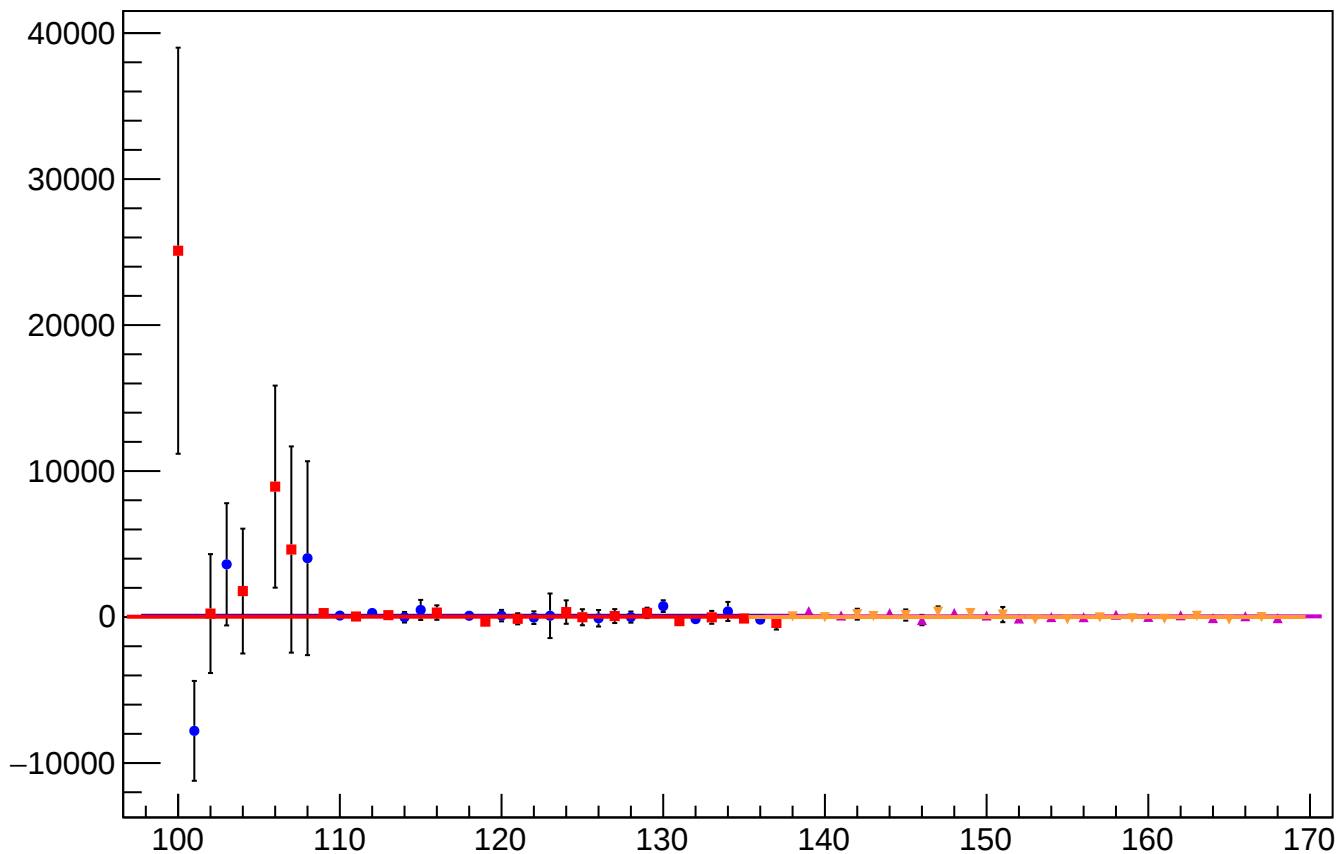
Right: 25.429 $\pm$ 0.005 χ^2 /NDF: 27413.4/35

In: 25.275 $\pm$ 0.004 χ^2 /NDF:37734.9/31

Out: 25.412 $\pm$ 0.004 χ^2 /NDF:34793.1/34

All: 25.345 $\pm$ 0.003 χ^2 /NDF: 73072.2/66

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: -0.005 $\pm$ 67.924 χ^2 /NDF:4.5/15

Right Out: 23.352 $\pm$ 80.948 χ^2 /NDF: 11.9/18

Left In: 47.993 $\pm$ 56.541 χ^2 /NDF:5.5/14

Left: 28.347 $\pm$ 43.455 χ^2 /NDF: 10.2/30

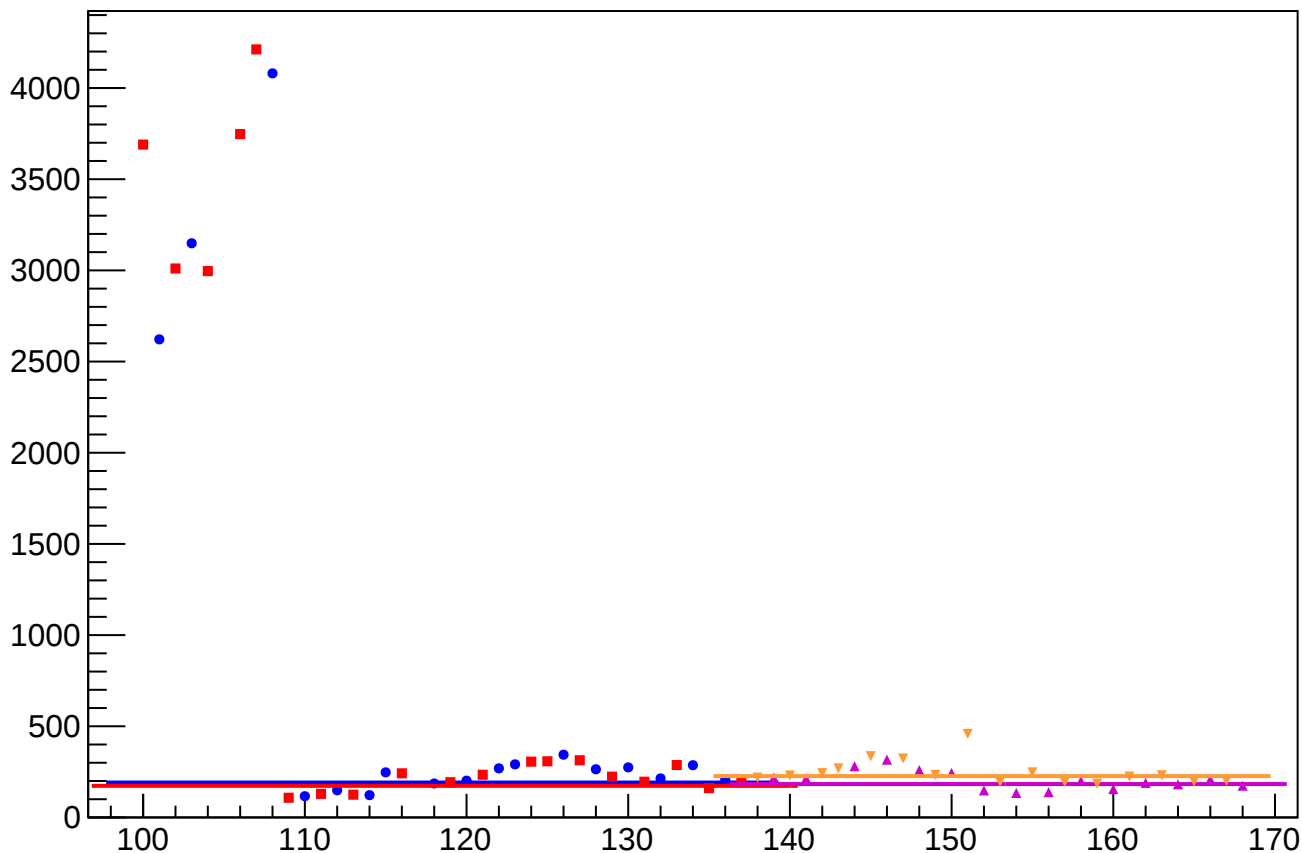
Right: 52.171 $\pm$ 59.707 χ^2 /NDF: 24.7/35

In: 59.185 $\pm$ 47.635 χ^2 /NDF:18.1/31

Out: 9.645 $\pm$ 52.033 χ^2 /NDF:16.4/34

All: 36.597 $\pm$ 35.135 χ^2 /NDF: 35.0/66

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: 226.672+/-0.048 χ^2/NDF : 954450.5/15

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

Left In: 183.182+/-0.040 χ^2/NDF : 1304308.3/14

Left: 200.983+/-0.031 χ^2/NDF : 2743075.6/30

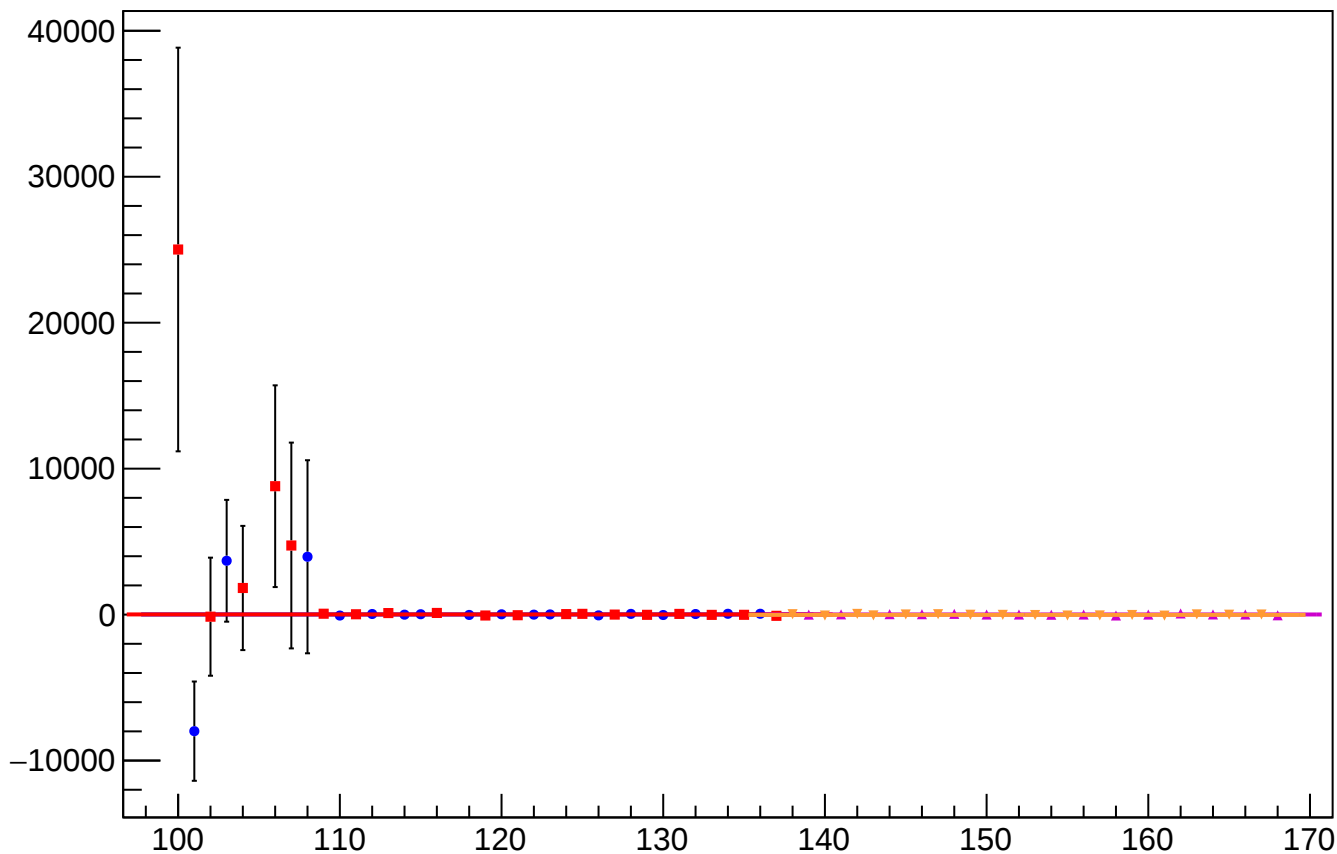
Right: 181.587+/-0.042 χ^2/NDF : 7826577.3/35

In: 185.590+/-0.034 χ^2/NDF : 4889957.6/31

Out: 204.619+/-0.037 χ^2/NDF : 5672136.2/34

All: 194.266+/-0.025 χ^2/NDF : 10707623.5/60

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: -17.592+/-8.420 χ^2/NDF : 16.6/15

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: 8.730+/-8.478 χ^2/NDF : 17.2/14

Left: -4.521+/-5.974 χ^2/NDF : 38.7/30

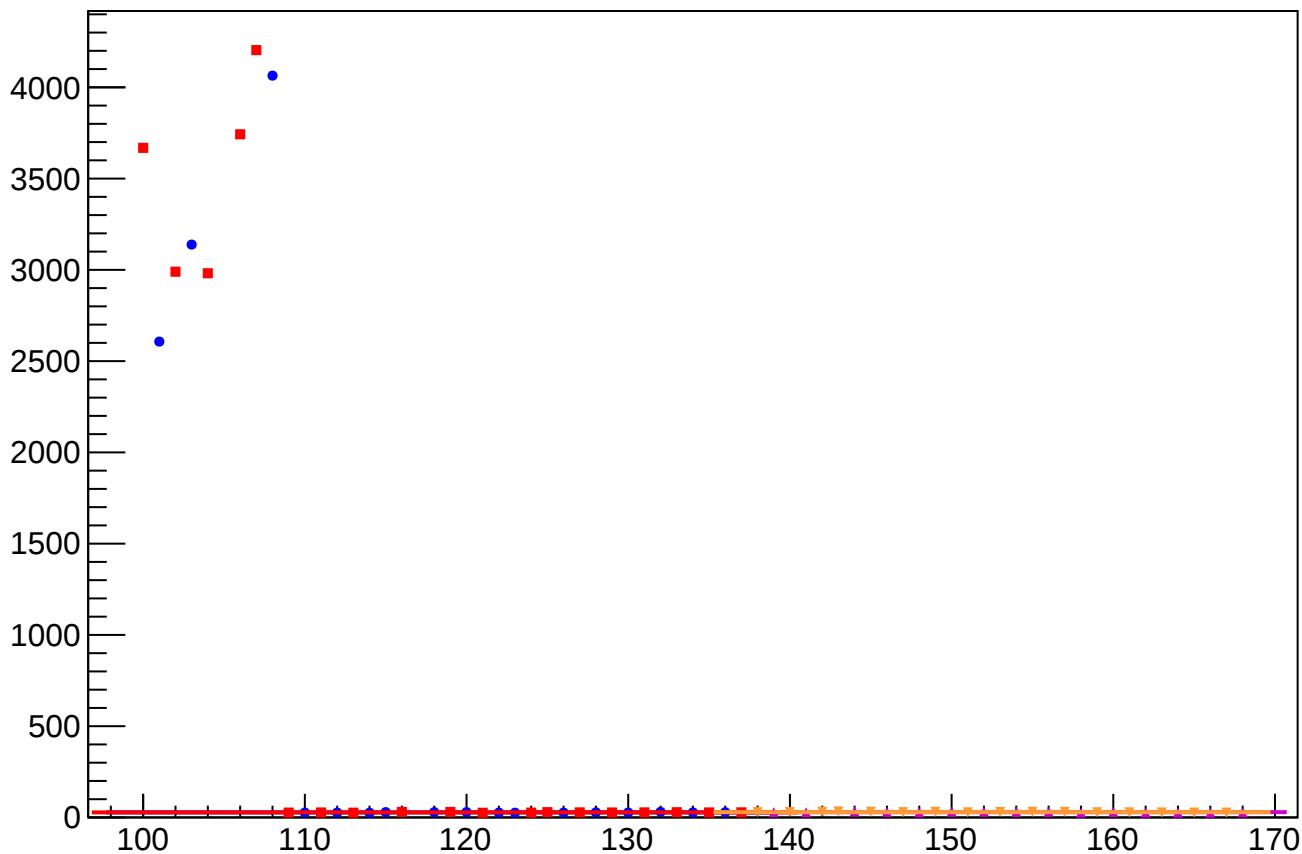
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 9.232+/-6.977 χ^2/NDF : 35.6/31

Out: -7.863+/-6.936 χ^2/NDF : 45.6/34

All: 0.634+/-4.919 χ^2/NDF : 84.2/66

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 29.020+/-0.006 χ^2/NDF : 92056.0/15

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

Left In: 28.929+/-0.006 χ^2/NDF : 108281.9/14

Left: 28.975+/-0.004 χ^2/NDF : 200454.8/30

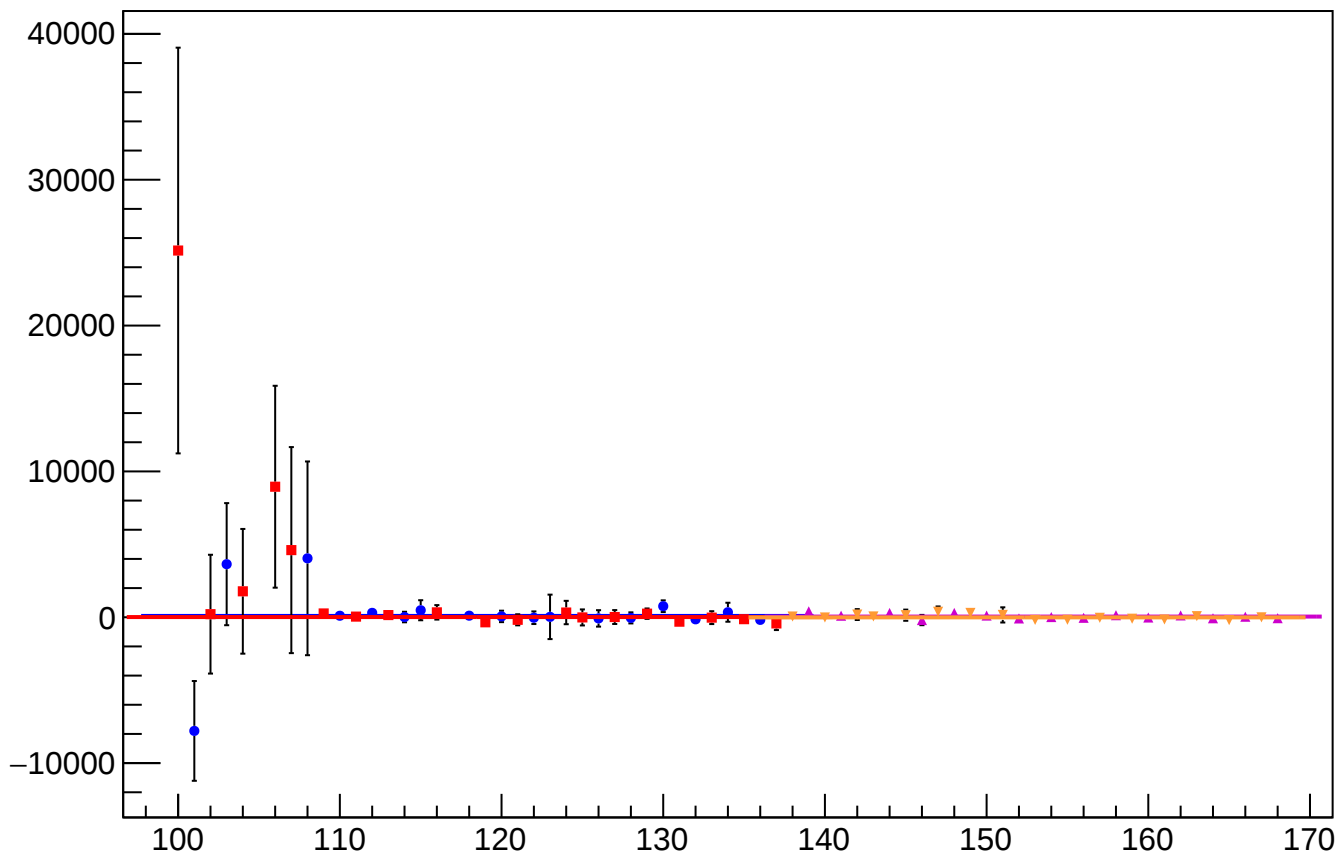
Right: 27.774+/-0.006 χ^2/NDF : 6504689.9/35

In: 28.582+/-0.005 χ^2/NDF : 3146314.3/31

Out: 28.594+/-0.005 χ^2/NDF : 3584848.0/34

All: 28.588+/-0.003 χ^2/NDF : 6731165.2/66

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: -8.114+/-67.775 χ^2/NDF : 5.2/15

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: 46.582+/-56.431 χ^2/NDF : 5.6/14

Left: 24.188+/-43.367 χ^2/NDF : 11.1/30

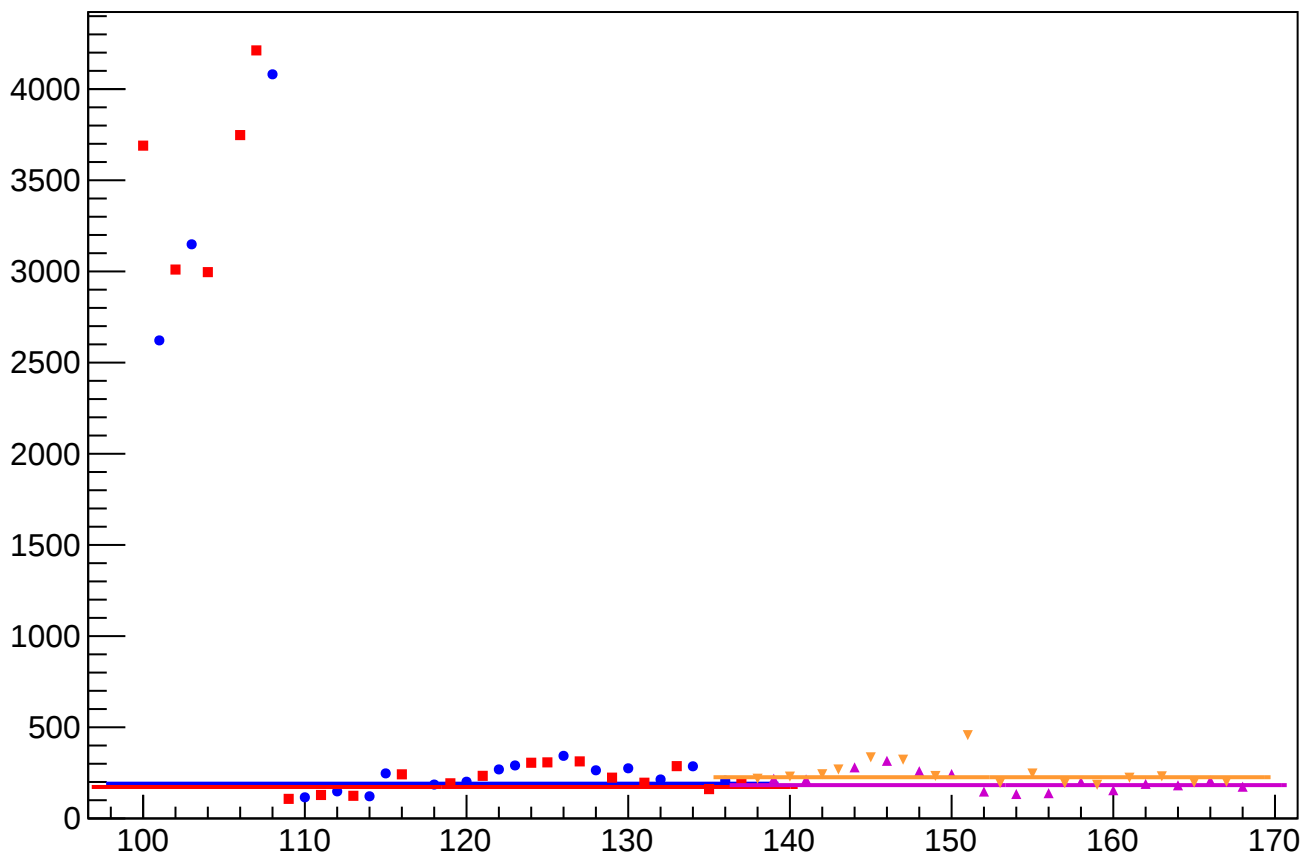
Right: 48.642+/-59.518 χ^2/NDF : 25.9/35

In: 59.428+/-47.526 χ^2/NDF : 18.5/31

Out: 0.761+/-51.896 χ^2/NDF : 17.9/34

All: 32.668+/-35.049 χ^2/NDF : 37.1/66

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 226.180+/-0.048 χ^2/NDF : 954315.8/15

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

Left In: 182.829+/-0.040 χ^2/NDF : 1304074.2/14

Left: 200.578+/-0.031 χ^2/NDF : 2741628.0/30

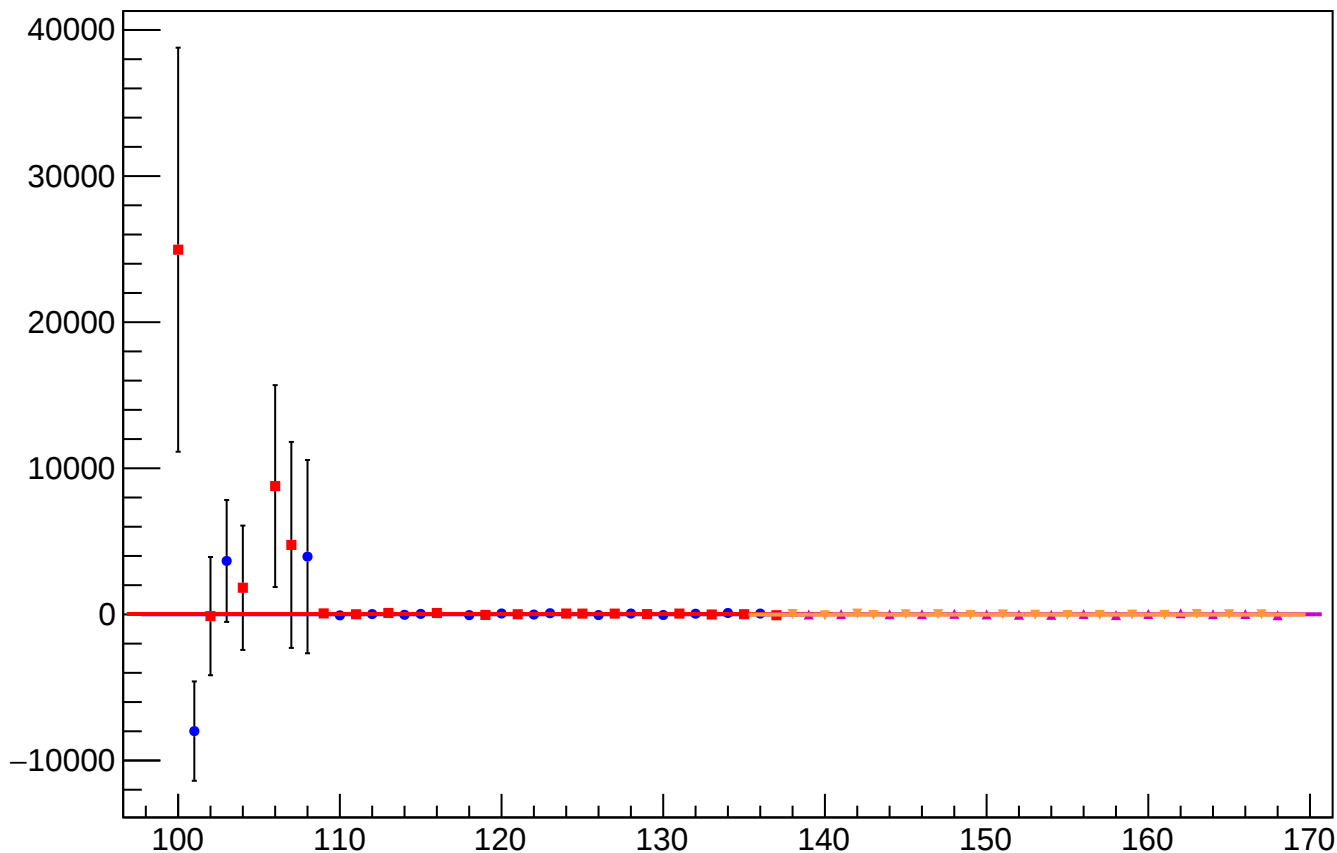
Right: 180.899+/-0.042 χ^2/NDF : 7849745.6/35

In: 185.138+/-0.034 χ^2/NDF : 4900618.7/31

Out: 204.027+/-0.037 χ^2/NDF : 5689466.8/34

All: 193.754+/-0.025 χ^2/NDF : 10734193.1/60

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -12.171 $\pm$ 8.486 χ^2 /NDF:11.4/15

Right Out: 29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

Left In: 7.168 $\pm$ 8.531 χ^2 /NDF:17.4/14

Left: -2.552 $\pm$ 6.016 χ^2 /NDF: 31.4/30

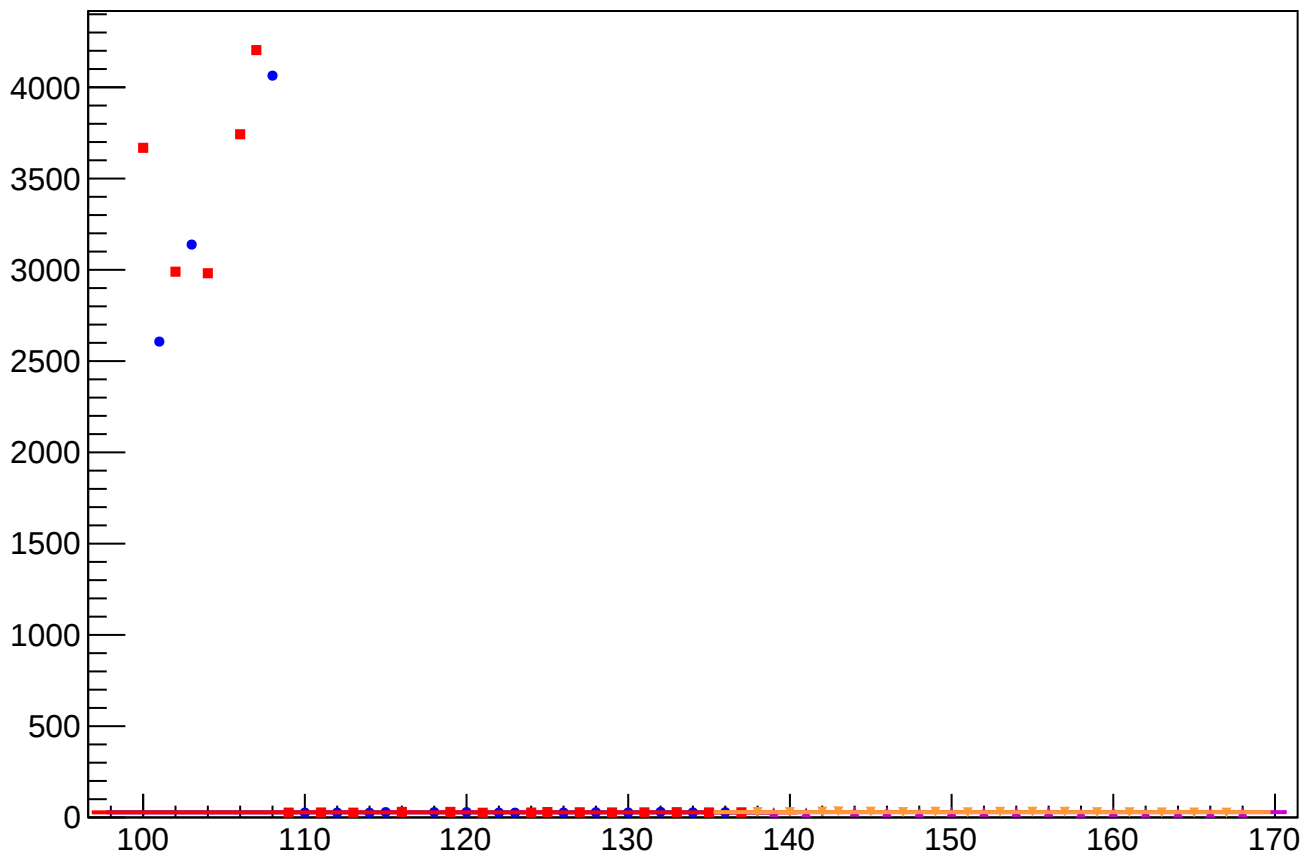
Right: 19.027 $\pm$ 8.733 χ^2 /NDF: 41.4/35

In: 7.630 $\pm$ 7.022 χ^2 /NDF:40.6/31

Out: 1.185 $\pm$ 6.991 χ^2 /NDF:35.9/34

All: 4.393 $\pm$ 4.954 χ^2 /NDF: 76.9/66

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: 29.241+/-0.006 χ^2/NDF : 96043.5/15

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

Left In: 29.112+/-0.006 χ^2/NDF : 108721.5/14

Left: 29.177+/-0.004 χ^2/NDF : 204994.9/30

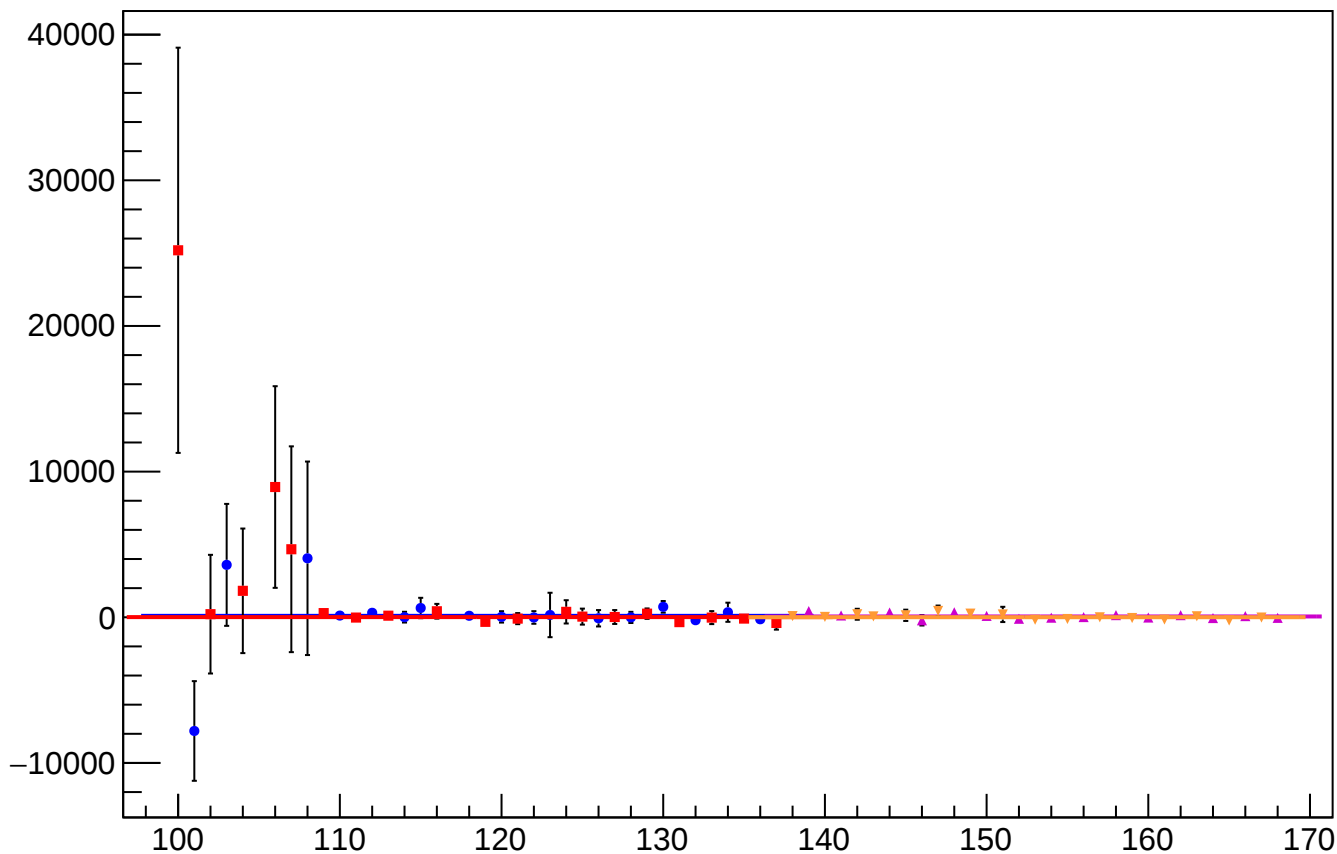
Right: 27.981+/-0.006 χ^2/NDF : 6507693.6/35

In: 28.768+/-0.005 χ^2/NDF : 3146725.9/31

Out: 28.816+/-0.005 χ^2/NDF : 3591353.6/34

All: 28.792+/-0.004 χ^2/NDF : 6738126.9/66

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: 5.496 $\pm$ 68.531 χ^2 /NDF:4.9/15

Right Out: 11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

Left In: 55.512 $\pm$ 57.233 χ^2 /NDF:6.1/14

Left: 34.961 $\pm$ 43.929 χ^2 /NDF: 11.4/30

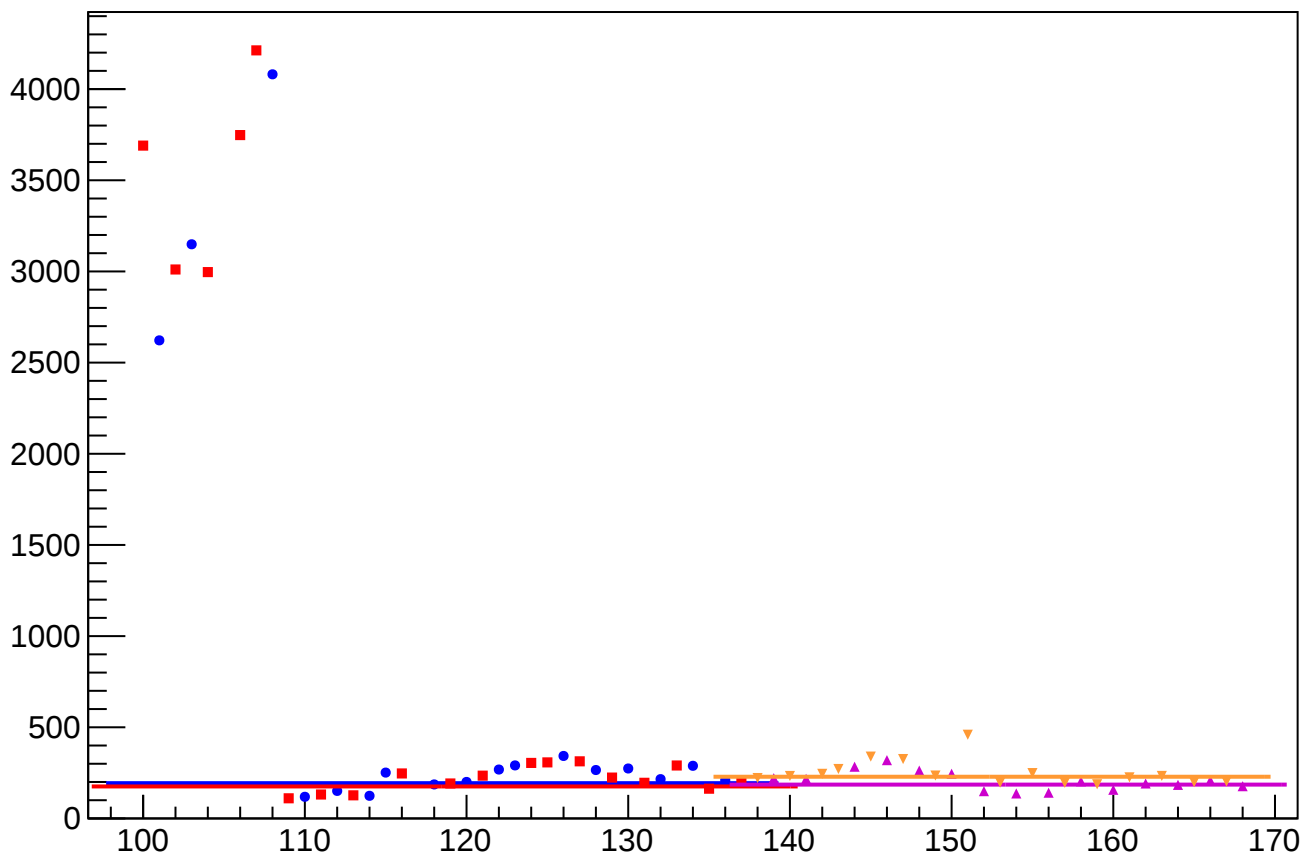
Right: 51.186 $\pm$ 60.278 χ^2 /NDF: 25.3/35

In: 67.943 $\pm$ 48.171 χ^2 /NDF:18.8/31

Out: 8.067 $\pm$ 52.525 χ^2 /NDF:17.2/34

All: 40.589 $\pm$ 35.501 χ^2 /NDF: 36.7/66

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: 228.796+/-0.048 χ^2/NDF : 947549.3/15

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 185.619+/-0.040 χ^2/NDF : 1275482.8/14

Left: 203.360+/-0.031 χ^2/NDF : 2690738.1/30

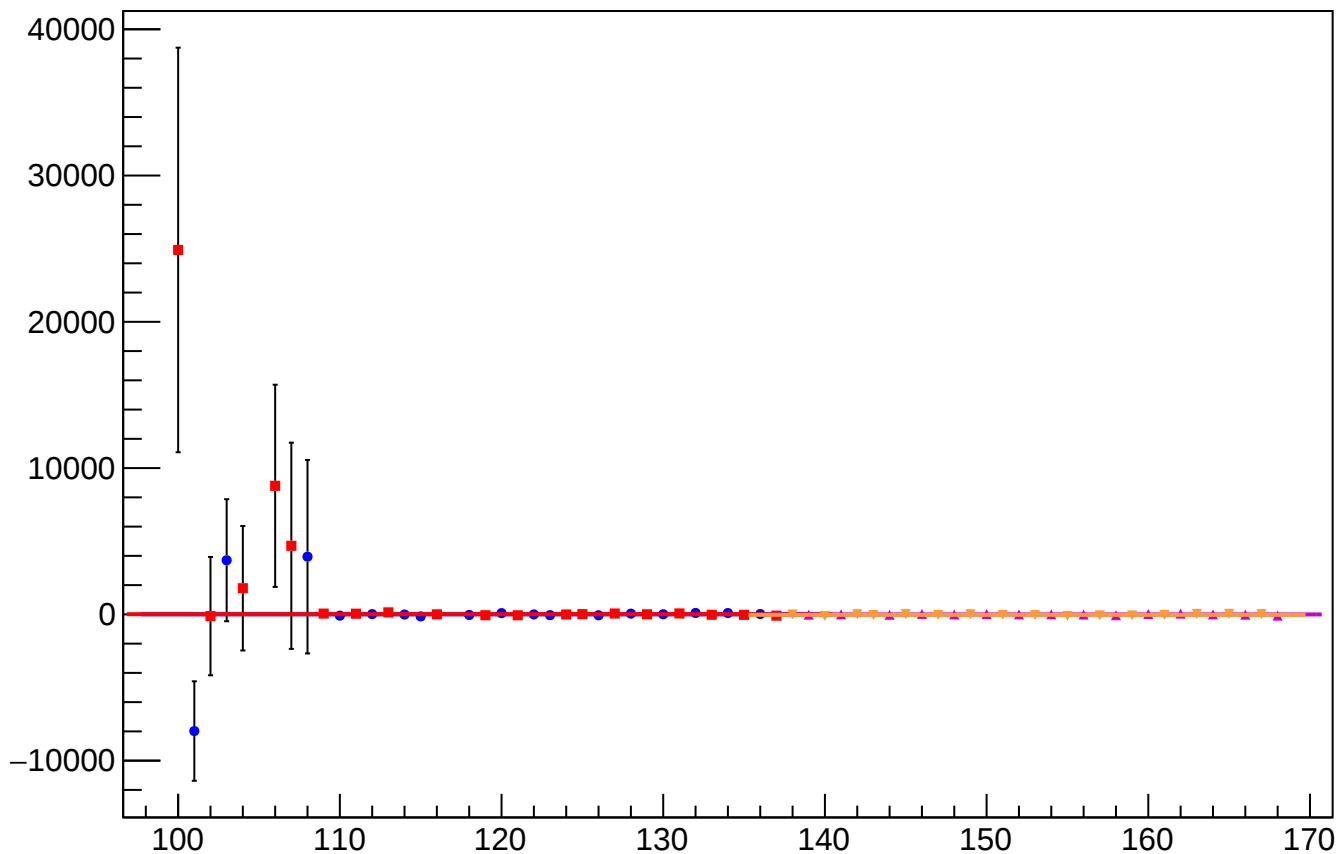
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 187.922+/-0.034 χ^2/NDF : 4823536.5/31

Out: 206.811+/-0.037 χ^2/NDF : 5612015.7/34

All: 196.551+/-0.025 χ^2/NDF : 10576047.1/60

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: -31.230 $\pm$ 10.059 χ^2 /NDF:19.4/15

Right Out: 12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

Left In: -3.393 $\pm$ 10.149 χ^2 /NDF:11.7/14

Left: -17.435 $\pm$ 7.144 χ^2 /NDF: 34.9/30

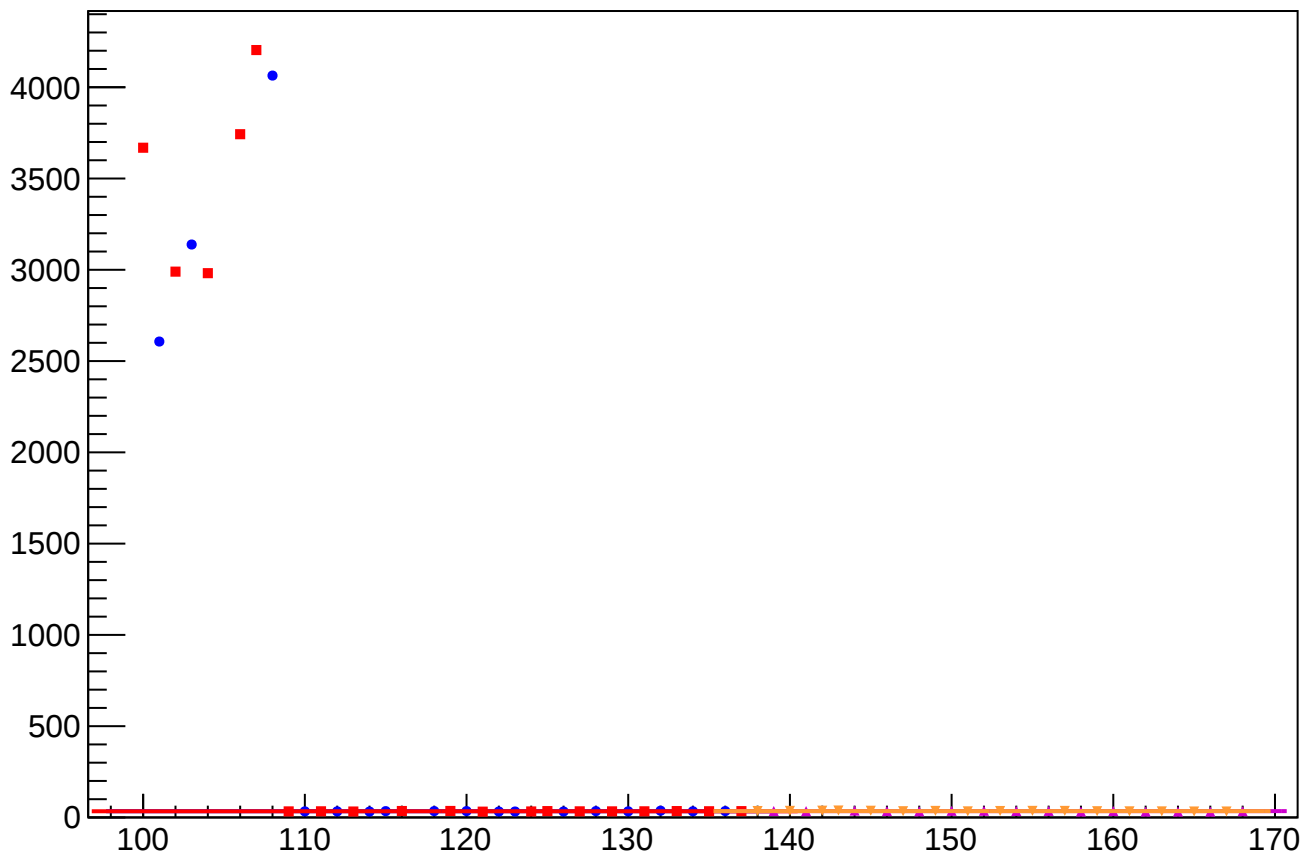
Right: 8.883 $\pm$ 10.608 χ^2 /NDF: 42.5/35

In: -0.594 $\pm$ 8.415 χ^2 /NDF:32.4/31

Out: -17.711 $\pm$ 8.346 χ^2 /NDF:47.2/34

All: -9.222 $\pm$ 5.926 χ^2 /NDF: 81.7/66

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: 34.725 $\pm$ 0.007 χ^2 /NDF:46756.5/15

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

Left In: 34.703 $\pm$ 0.007 χ^2 /NDF:51640.1/14

Left: 34.714 $\pm$ 0.005 χ^2 /NDF: 98401.5/30

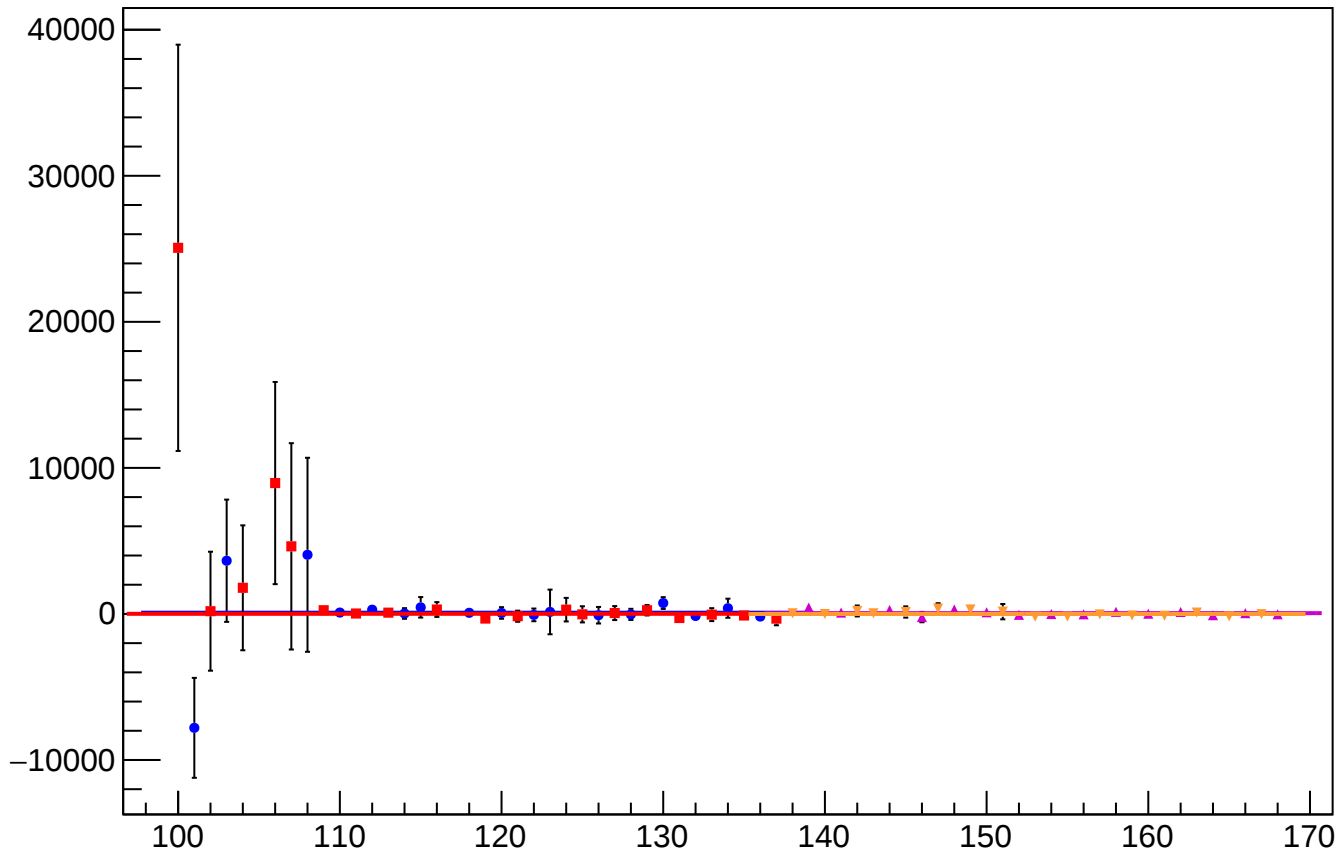
Right: 34.039 $\pm$ 0.008 χ^2 /NDF: 6458714.0/35

In: 34.536 $\pm$ 0.006 χ^2 /NDF:3059891.9/31

Out: 34.472 $\pm$ 0.006 χ^2 /NDF:3502735.0/34

All: 34.504 $\pm$ 0.004 χ^2 /NDF: 6562684.3/66

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: -3.826+/-68.408 χ^2/NDF : 5.0/15

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

Left In: 53.830+/-57.074 χ^2/NDF : 5.5/14

Left: 30.168+/-43.824 χ^2/NDF : 10.9/30

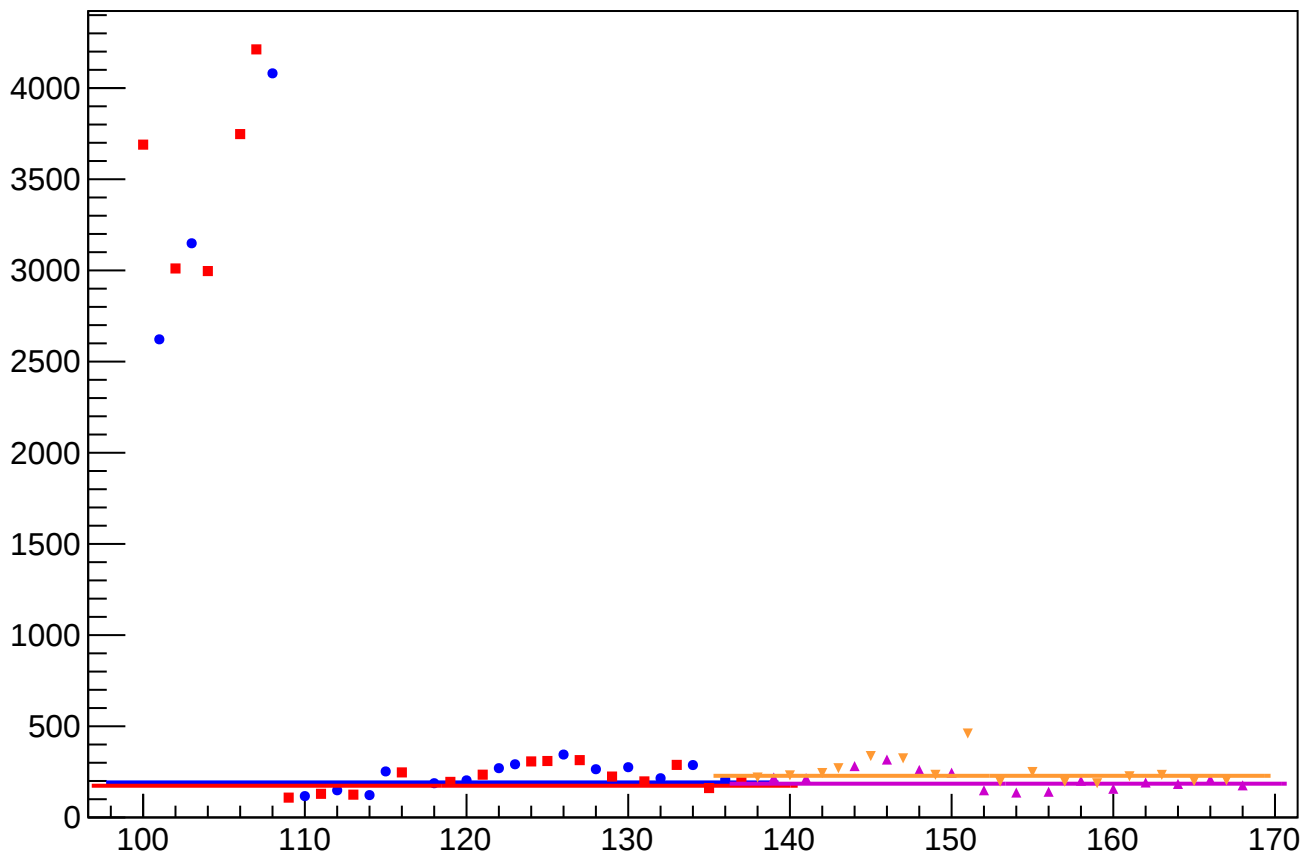
Right: 43.196+/-59.931 χ^2/NDF : 24.0/35

In: 62.805+/-48.004 χ^2/NDF : 18.1/31

Out: 1.314+/-52.332 χ^2/NDF : 16.1/34

All: 34.707+/-35.375 χ^2/NDF : 34.9/66

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: 228.413+/-0.048 χ^2/NDF : 936534.7/15

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 185.114+/-0.040 χ^2/NDF : 1262885.6/14

Left: 202.884+/-0.031 χ^2/NDF : 2671858.8/30

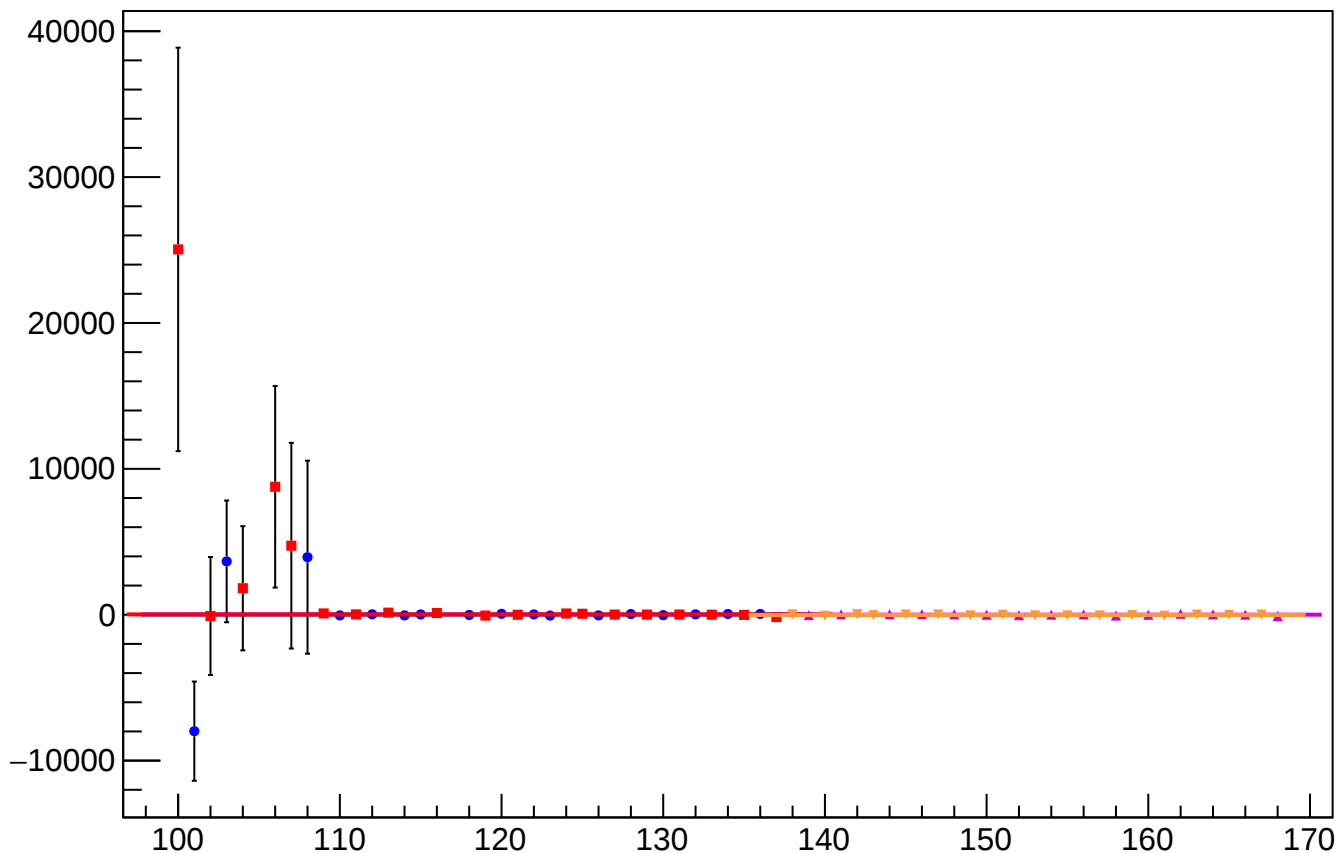
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 187.180+/-0.034 χ^2/NDF : 4846465.1/31

Out: 205.828+/-0.037 χ^2/NDF : 5673773.7/34

All: 195.701+/-0.025 χ^2/NDF : 10658147.5/60

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: -19.731+/-9.132 χ^2/NDF :12.0/15

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: 4.075+/-9.191 χ^2/NDF :21.3/14

Left: -7.904+/-6.478 χ^2/NDF : 36.7/30

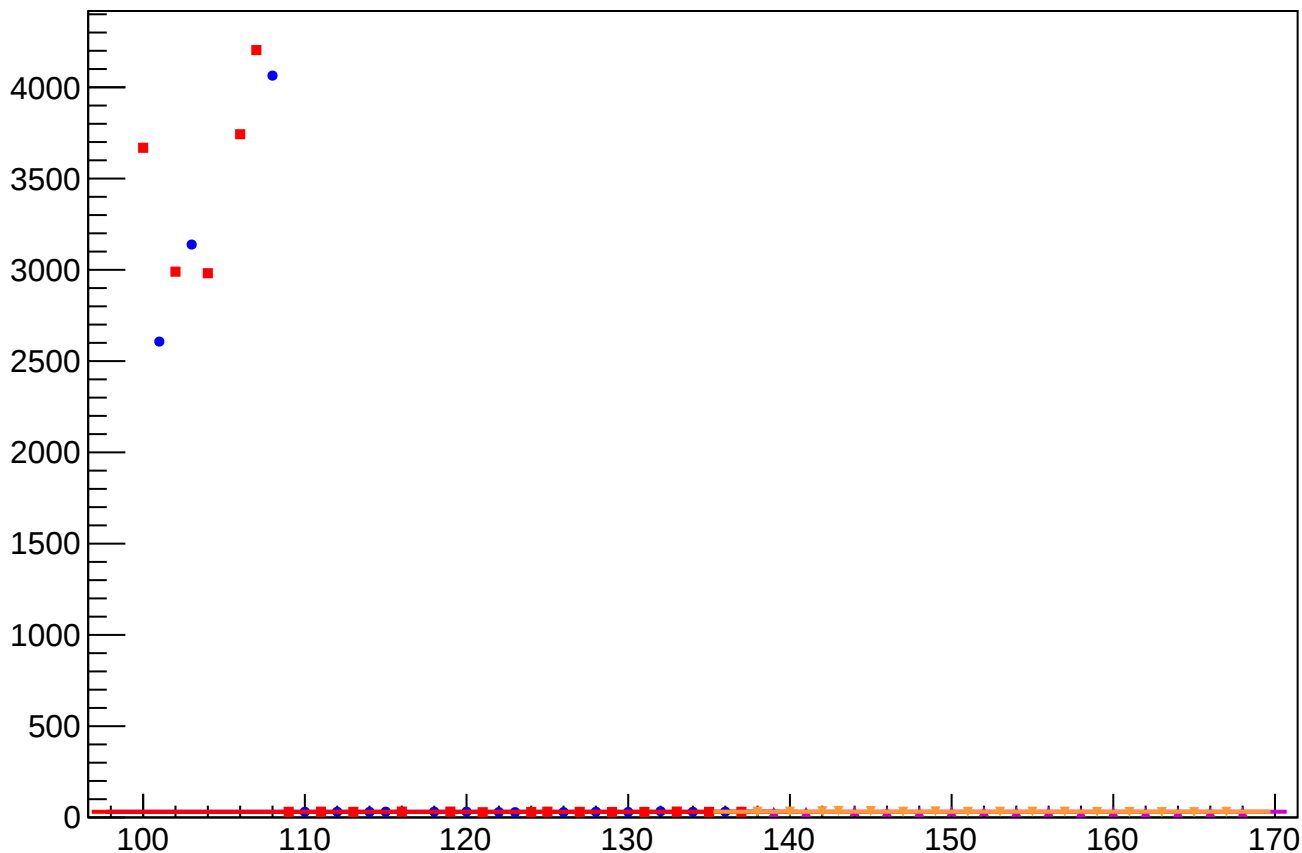
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 6.762+/-7.636 χ^2/NDF :36.3/31

Out: -6.650+/-7.592 χ^2/NDF :46.6/34

All: 0.017+/-5.384 χ^2/NDF : 84.4/66

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: 31.492+/-0.006 χ^2/NDF : 72403.9/15

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.380+/-0.006 χ^2/NDF : 80459.9/14

Left: 31.436+/-0.005 χ^2/NDF : 153012.6/30

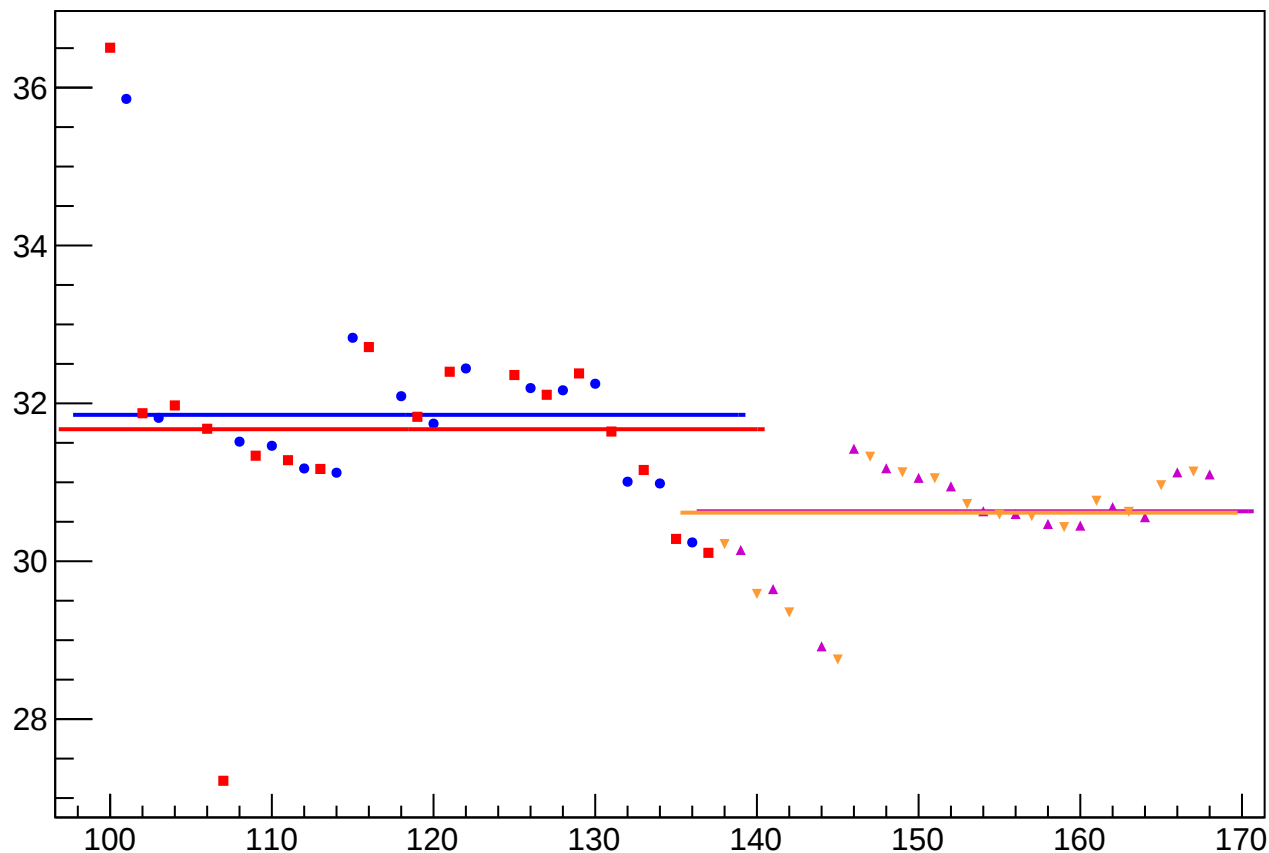
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.310+/-0.005 χ^2/NDF : 3095352.9/31

Out: 31.328+/-0.005 χ^2/NDF : 3533403.0/34

All: 31.319+/-0.004 χ^2/NDF : 6628761.8/66

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000

χ^2/NDF : 1570522165.5/15

Left: 30.624+/-0.000

χ^2/NDF : 1261120782.3/29

Left Out: 30.615+/-0.000

χ^2/NDF : 647642159.5/14

Right: 31.765+/-0.000

χ^2/NDF : 2508641774.0/33

Right Out: 31.672+/-0.000

χ^2/NDF : 917899841.8/17

In: 31.154+/-0.000

χ^2/NDF : 3248565615.6/30

Out: 31.059+/-0.000

χ^2/NDF : 2339834513.6/32

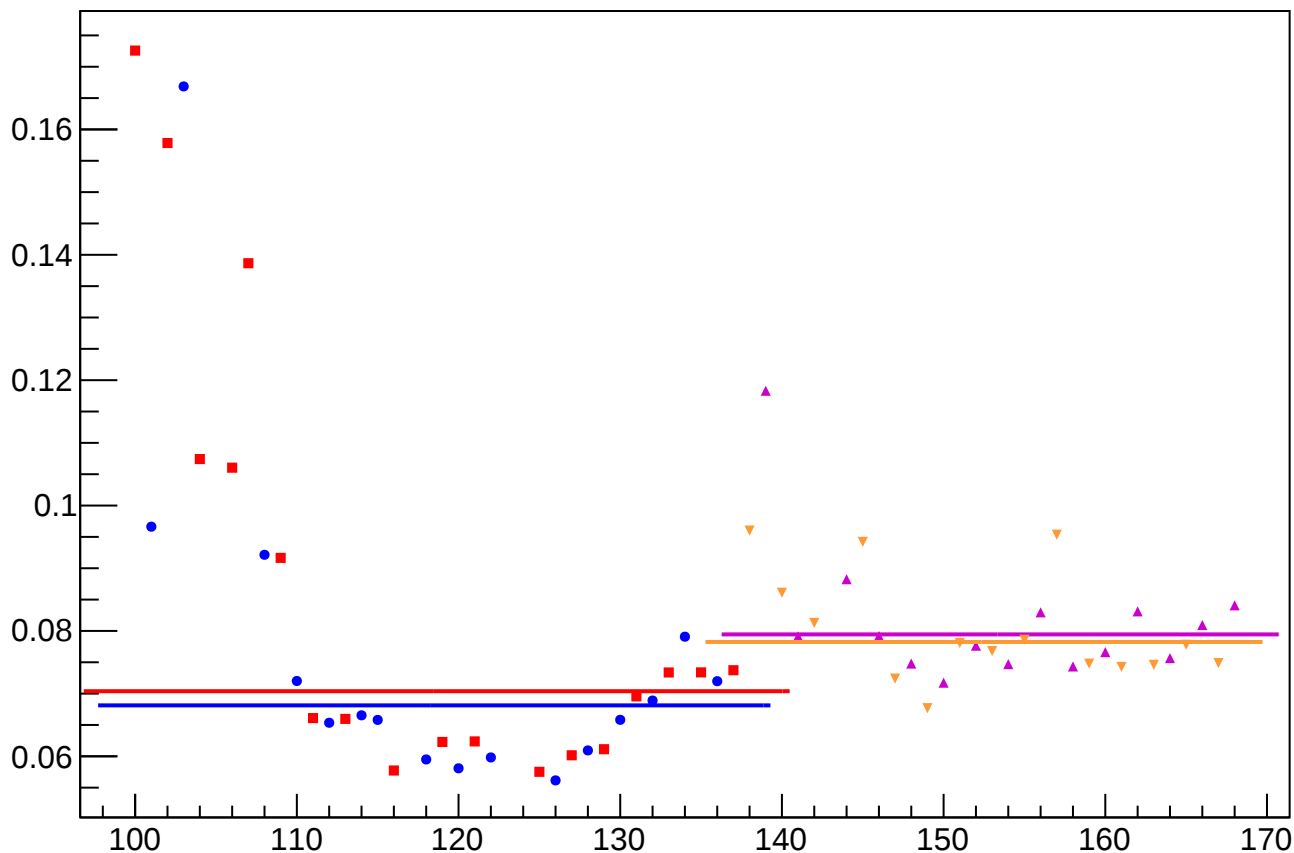
Left In: 30.633+/-0.000

χ^2/NDF : 613221385.3/14

All: 31.107+/-0.000

χ^2/NDF : 5601387369.4/6

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.078 $\pm$ 0.000 χ^2 /NDF:199828.9/14

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

Left In: 0.079 $\pm$ 0.000 χ^2 /NDF:218918.3/14

Left: 0.079 $\pm$ 0.000 χ^2 /NDF: 421162.2/29

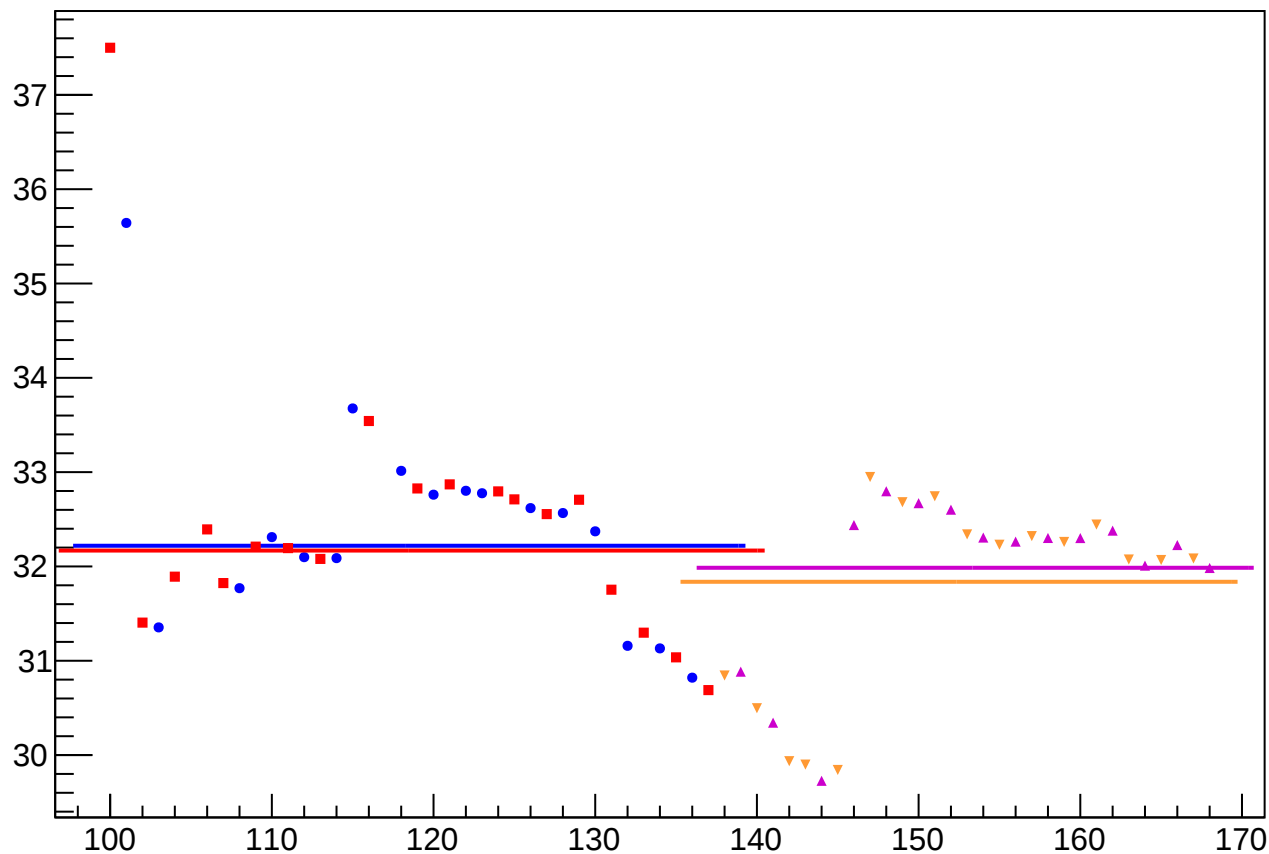
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1477315.9/33

In: 0.075 $\pm$ 0.000 χ^2 /NDF:1031591.7/30

Out: 0.075 $\pm$ 0.000 χ^2 /NDF:1126668.1/32

All: 0.075 $\pm$ 0.000 χ^2 /NDF: 2158566.0/63

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.837+/-0.000 χ^2/NDF : 1825870237.0/15

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

Left In: 31.986+/-0.000 χ^2/NDF : 1399161633.0/14

Left: 31.910+/-0.000 χ^2/NDF : 3244167788.8/30

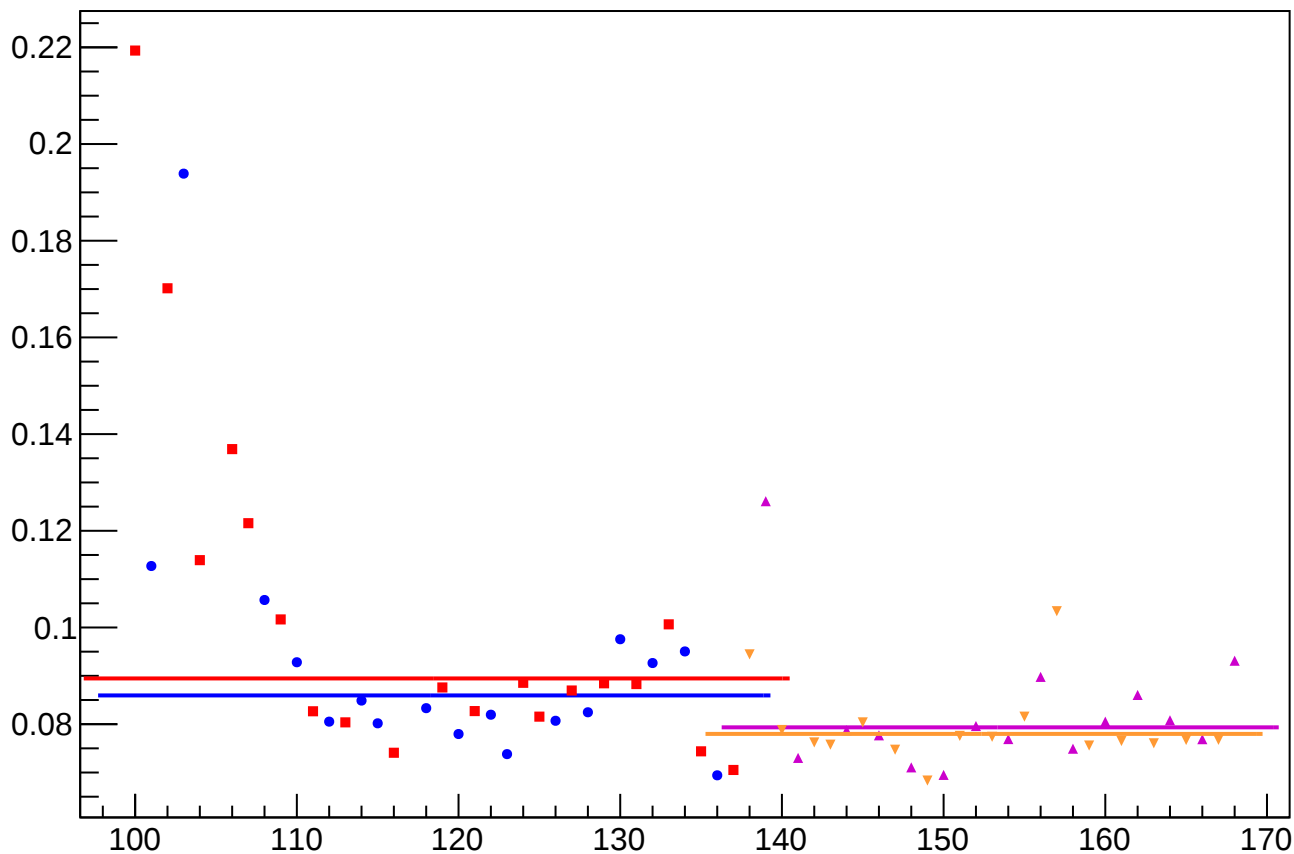
Right: 32.194+/-0.000 χ^2/NDF : 1457173552.7/35

In: 32.060+/-0.000 χ^2/NDF : 2442317682.4/31

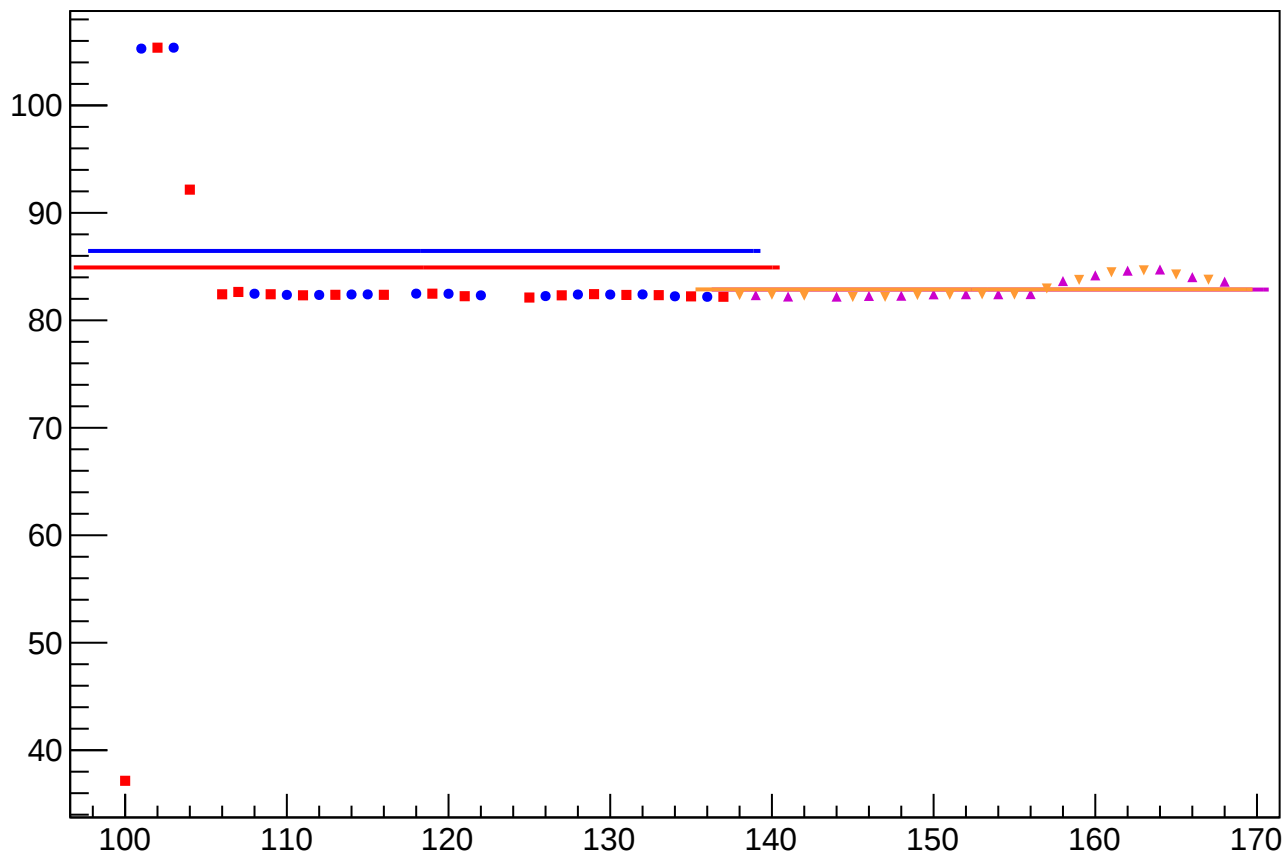
Out: 31.937+/-0.000 χ^2/NDF : 2326870775.9/34

All: 31.998+/-0.000 χ^2/NDF : 4787943106.0/6

yield_usr_rms vs Slug, Sign Corrected

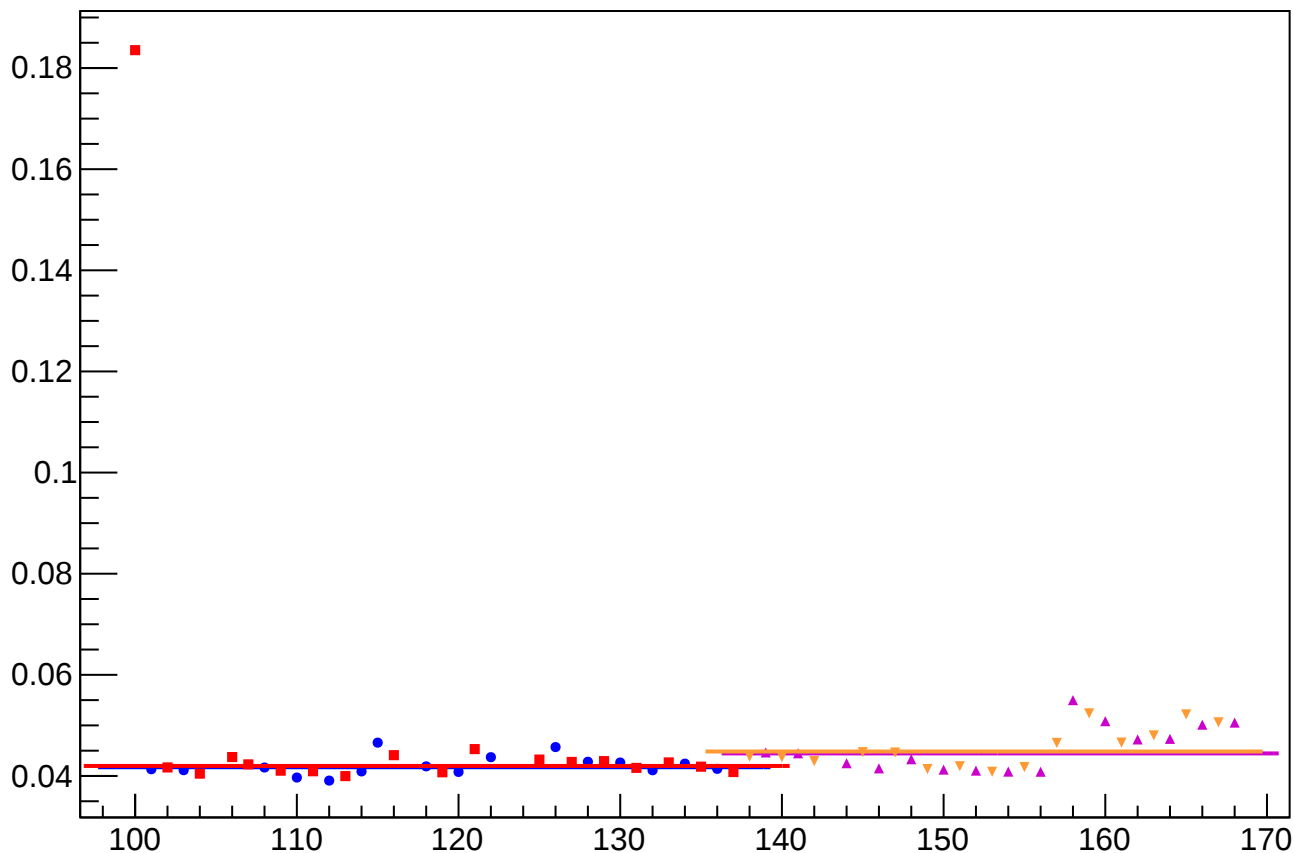


yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000	χ^2/NDF : 291421048436.2/15	Left: 82.870+/-0.000	χ^2/NDF : 8098207830.6/29
Left Out: 82.878+/-0.000	χ^2/NDF : 3919926653.1/14	Right: 85.675+/-0.000	χ^2/NDF : 468146833571.9/33
Right Out: 84.920+/-0.000	χ^2/NDF : 172195187677.7/17	In: 84.283+/-0.000	χ^2/NDF : 325029888211.9/30
Left In: 82.863+/-0.000	χ^2/NDF : 4177708847.5/14	Out: 83.731+/-0.000	χ^2/NDF : 185594841652.5/32
		All: 84.010+/-0.000	χ^2/NDF : 512065803548.0

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:131345.5/14

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96869.3/17

Left In: 0.044 $\pm$ 0.000 χ^2 /NDF:188317.6/14

Left: 0.045 $\pm$ 0.000 χ^2 /NDF: 320462.5/29

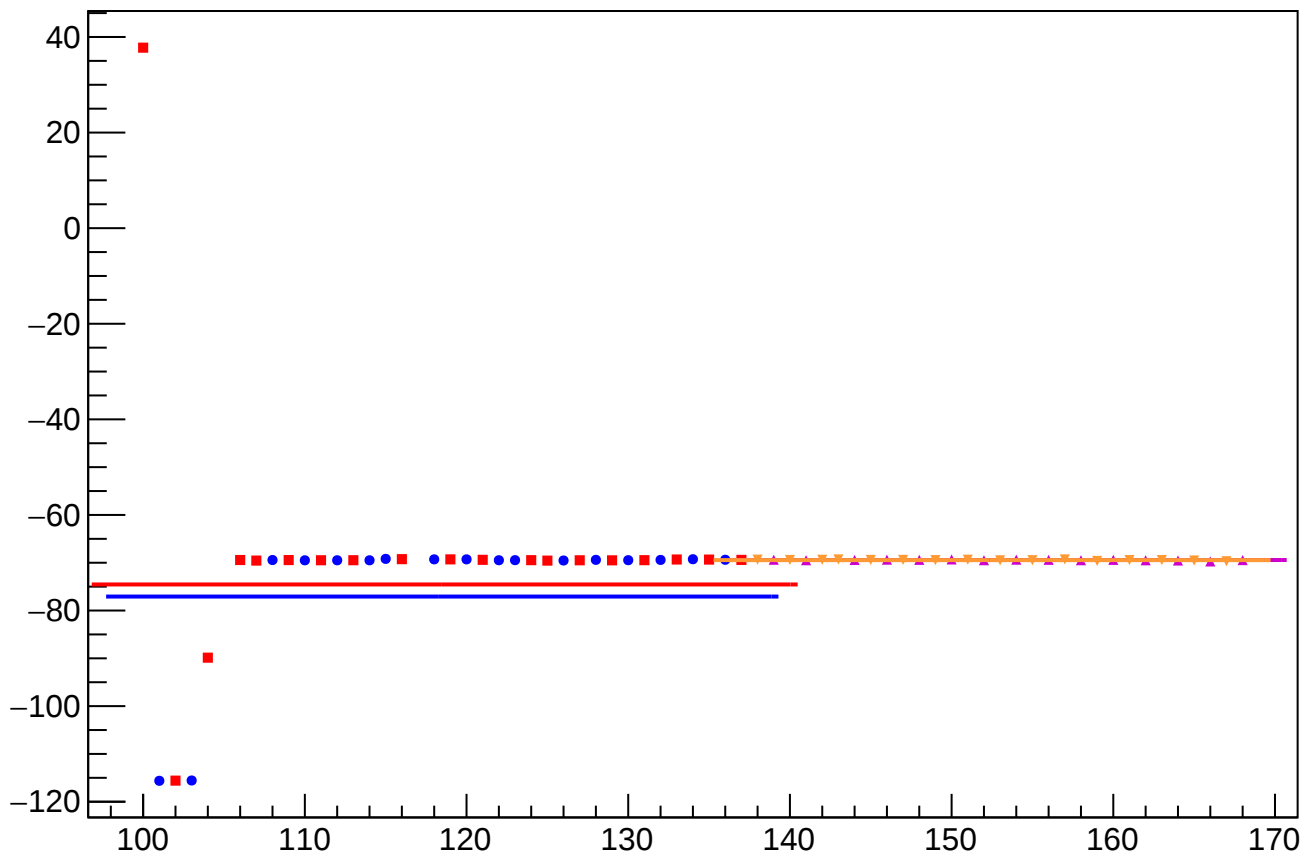
Right: 0.042 $\pm$ 0.000 χ^2 /NDF: 116001.6/33

In: 0.043 $\pm$ 0.000 χ^2 /NDF:241170.7/30

Out: 0.044 $\pm$ 0.000 χ^2 /NDF:265264.6/32

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 507092.3/63

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.452+/-0.000 χ^2/NDF : 39138594.5/15

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

Left In: -69.431+/-0.000 χ^2/NDF : 30884198.8/14

Left: -69.442+/-0.000 χ^2/NDF : 70792897.2/30

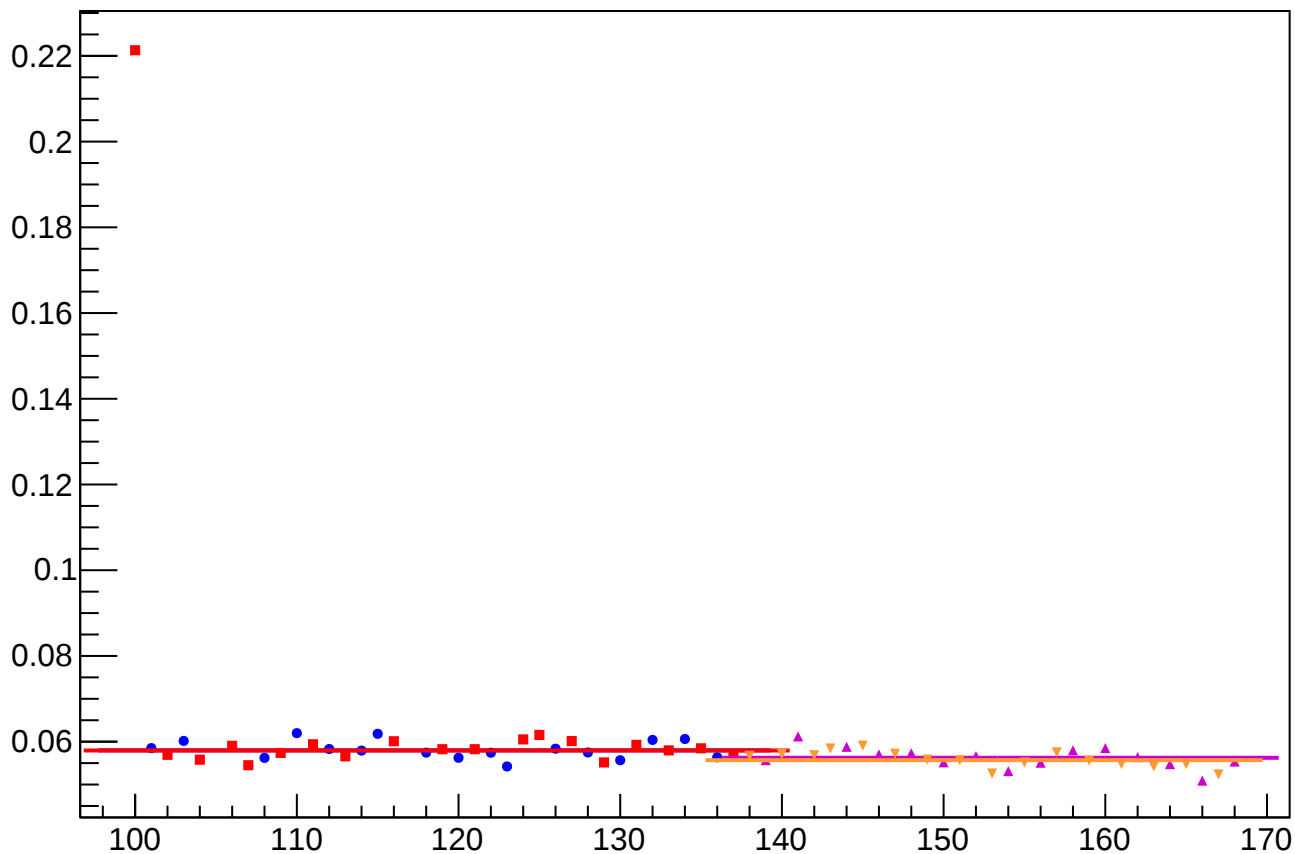
Right: -75.769+/-0.000 χ^2/NDF : 943595296169.5/34

In: -72.097+/-0.000 χ^2/NDF : 638260555782.6/31

Out: -71.261+/-0.000 χ^2/NDF : 406123476363.5/34

All: -71.669+/-0.000 χ^2/NDF : 104635077569

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 ± 0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056 ± 0.000 χ^2/NDF : 25486.9/15

Right Out: 0.058 ± 0.000 χ^2/NDF : 86466.5/18

Left In: 0.056 ± 0.000 χ^2/NDF : 38486.2/14

Left: 0.056 ± 0.000 χ^2/NDF : 65117.9/30

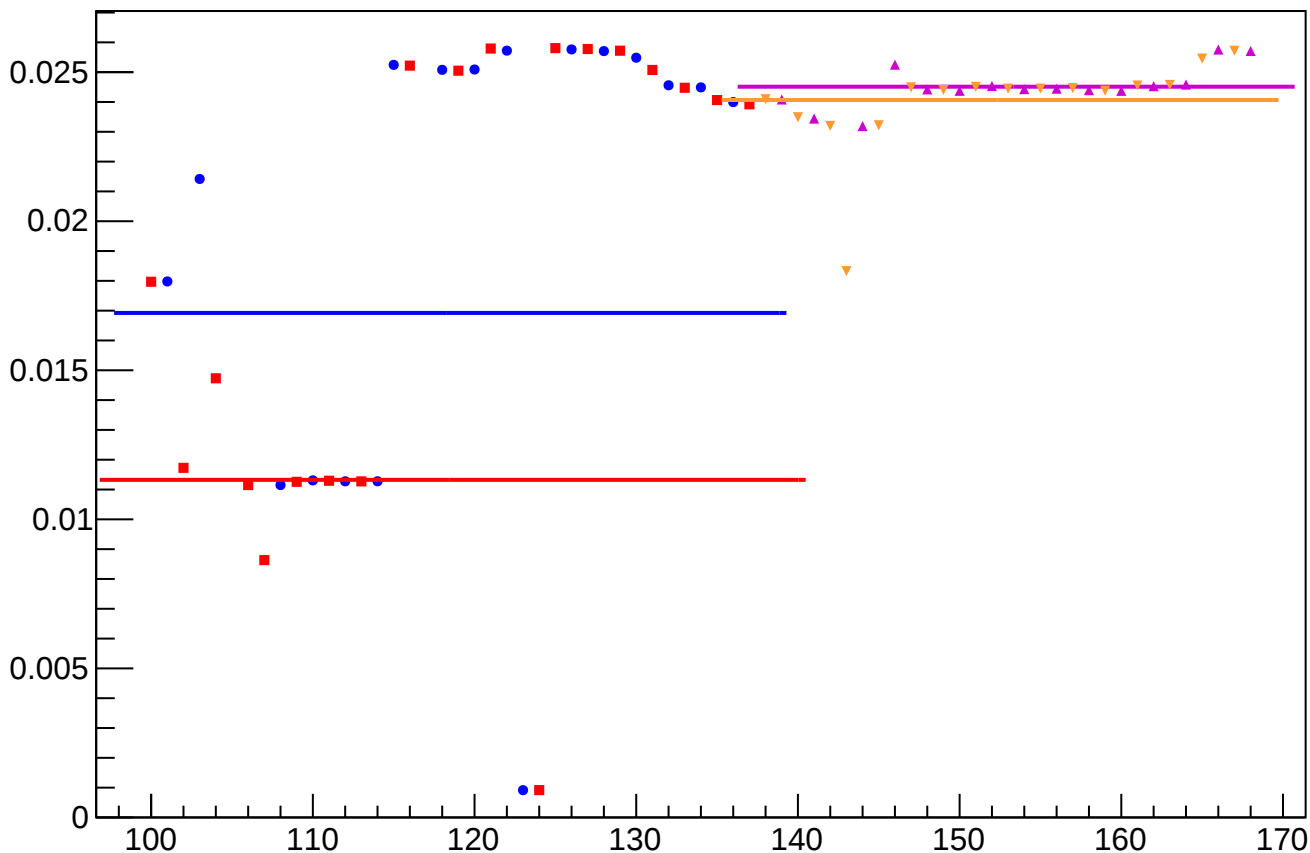
Right: 0.058 ± 0.000 χ^2/NDF : 98743.9/35

In: 0.057 ± 0.000 χ^2/NDF : 58245.6/31

Out: 0.056 ± 0.000 χ^2/NDF : 125444.0/34

All: 0.057 ± 0.000 χ^2/NDF : 184424.4/66

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5903100929.6/15

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 896685714.0/14

Left: 0.024 $\pm$ 0.000 χ^2 /NDF: 7027714034.1/30

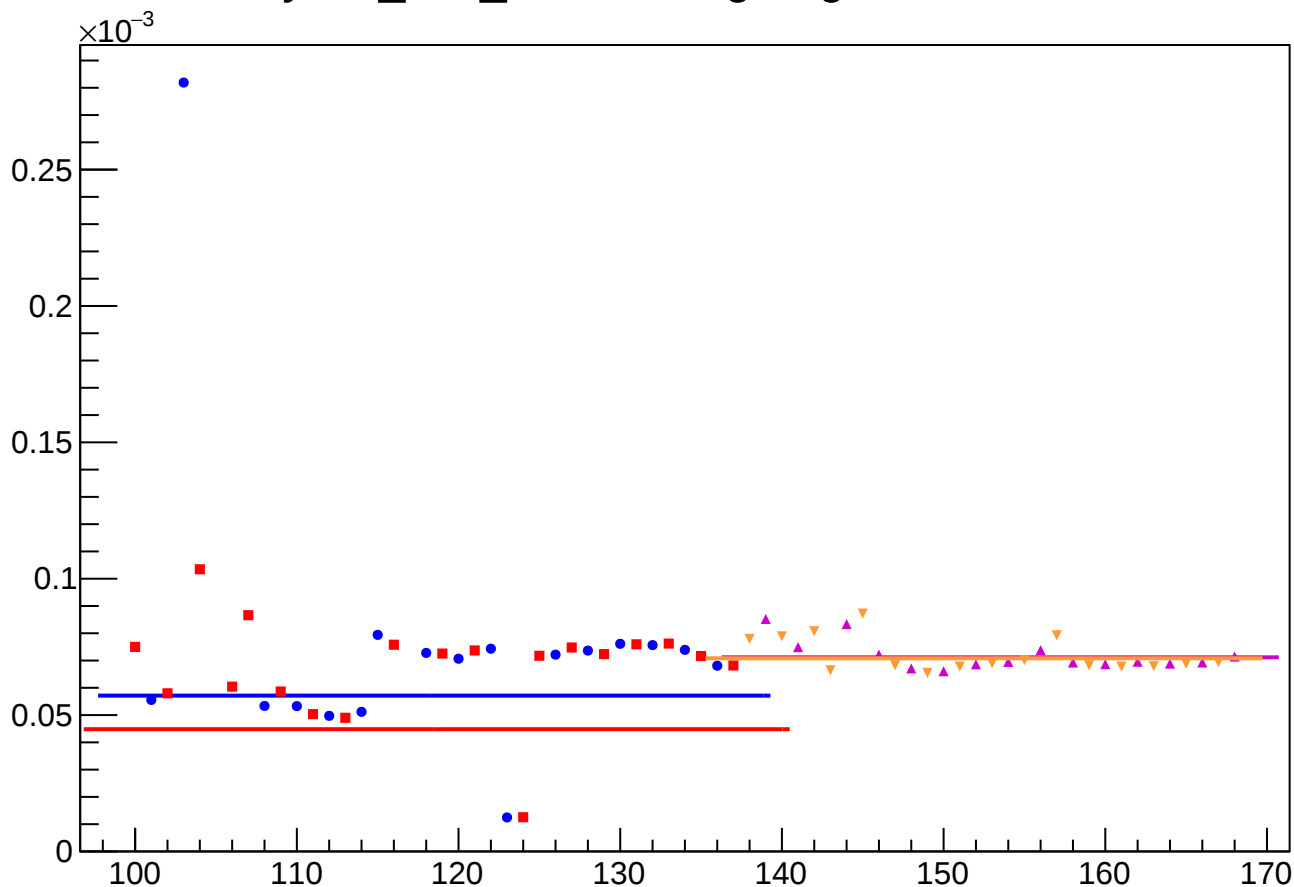
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 392122680736.2/35

In: 0.021 $\pm$ 0.000 χ^2 /NDF: 182840207570.4/31

Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 431701677756.4/34

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 643940276173.3

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :140968.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :106038.5/14

Left: 0.000+/-0.000 χ^2/NDF : 247301.5/30

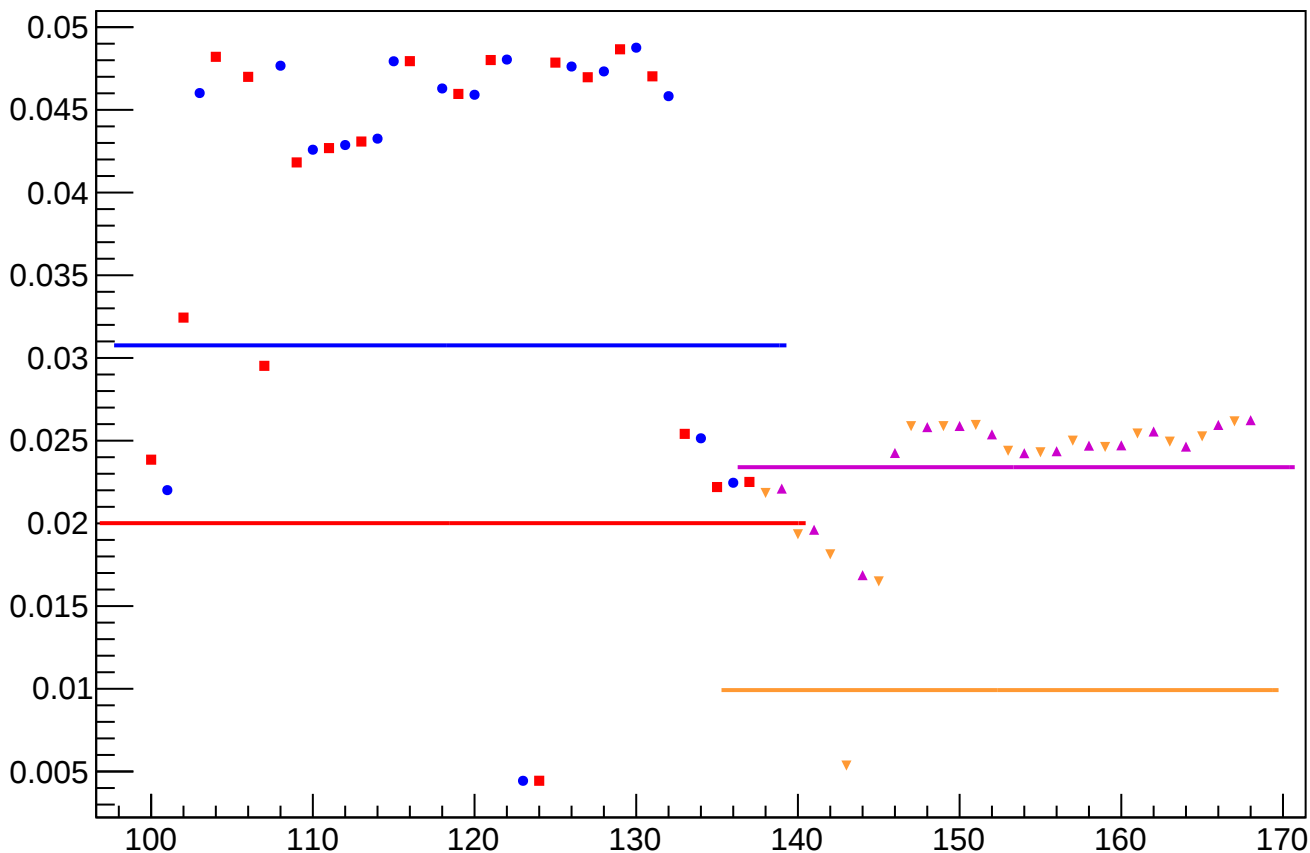
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2486507.2/31

Out: 0.000+/-0.000 χ^2/NDF :5323839.5/34

All: 0.000+/-0.000 χ^2/NDF : 8059102.0/66

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21174738549.0/16

Left: 0.013+/-0.000

χ^2/NDF : 47743508026.9/30

Left Out: 0.010+/-0.000

χ^2/NDF : 29744492444.1/15

Right: 0.024+/-0.000

χ^2/NDF : 66286425044.9/35

Right Out: 0.020+/-0.000

χ^2/NDF : 40011334157.0/18

In: 0.026+/-0.000

χ^2/NDF : 24677464339.9/31

Out: 0.012+/-0.000

χ^2/NDF : 79306891923.5/34

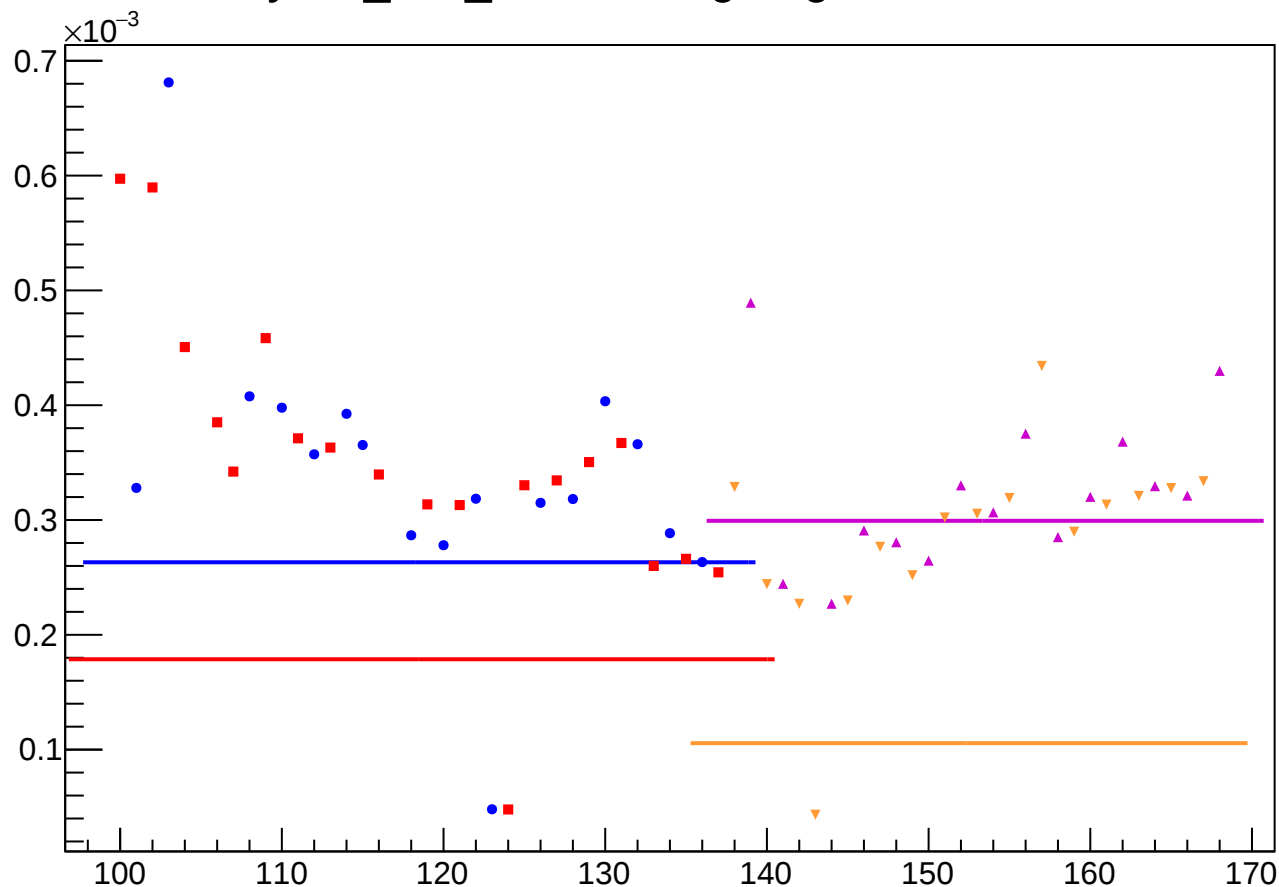
Left In: 0.023+/-0.000

χ^2/NDF : 1118566069.6/14

All: 0.015+/-0.000

χ^2/NDF : 132717393628.4

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 :11089663.5/15

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF :766571.2/14

Left: 0.000+/-0.000 χ^2/NDF : 18827016.6/30

Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF :3282189.6/31

Out: 0.000+/-0.000 χ^2/NDF :17431797.4/34

All: 0.000+/-0.000 χ^2/NDF : 28453798.5/66

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 : 719251849.6/30

Left Out: 0.039+/-0.000

χ^2/NDF : 384007675.8/15

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 : 119970088147.7/31

Out: 0.037+/-0.000

χ^2/NDF : 48790767503.5/34

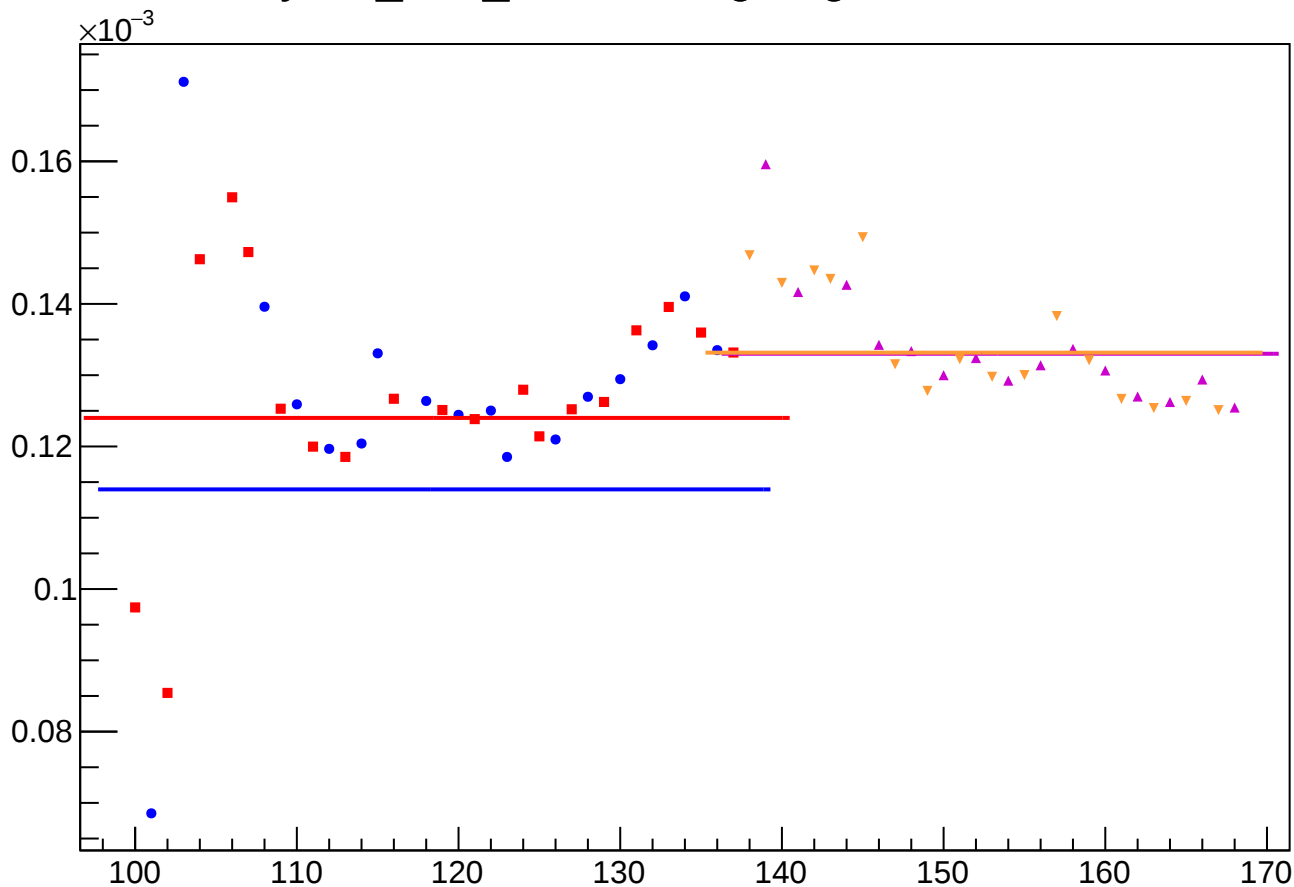
Left In: 0.039+/-0.000

χ^2/NDF : 334809870.0/14

All: 0.036+/-0.000

χ^2/NDF : 171189404204.2

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 : 75445.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 70026.4/14

Left: 0.000+/-0.000 χ^2/NDF : 145487.9/30

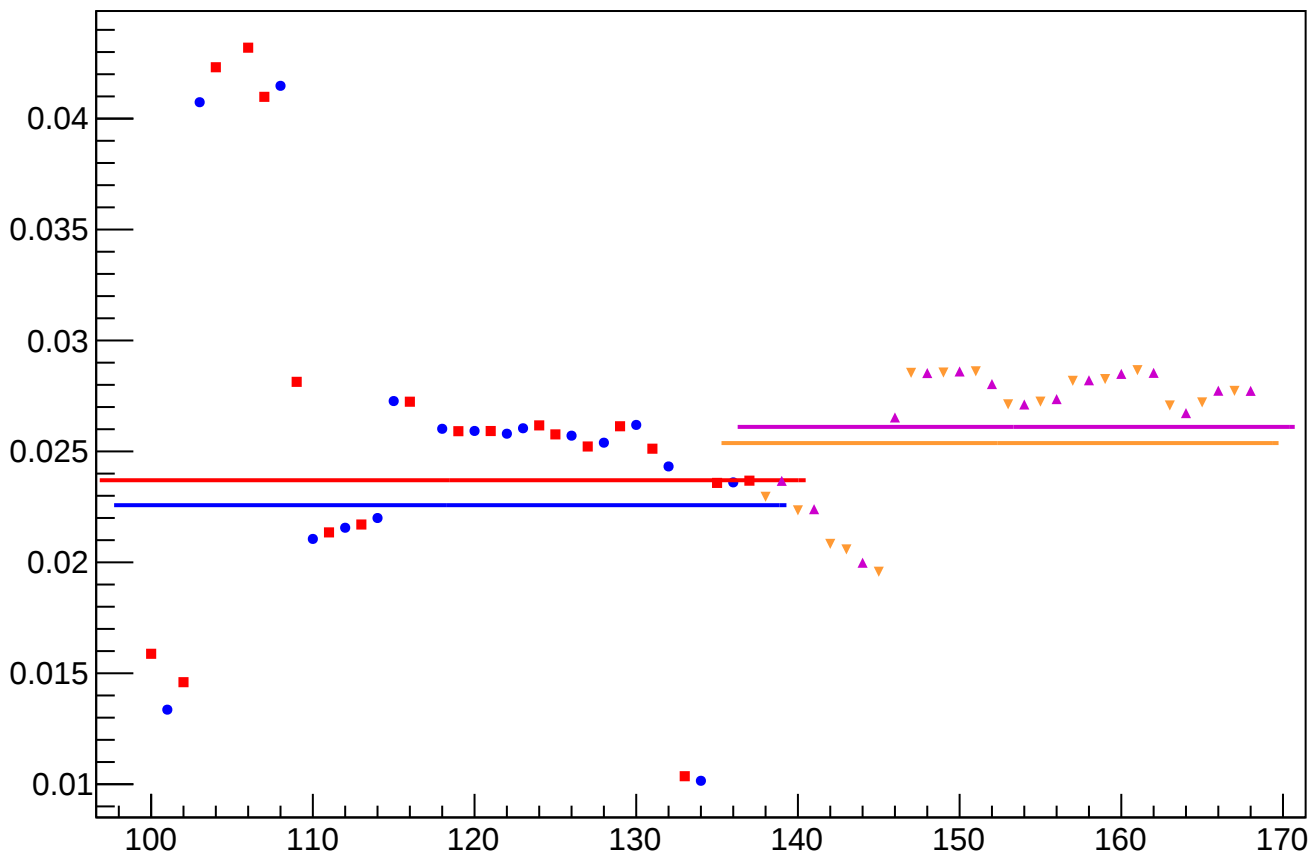
Right: 0.000+/-0.000 χ^2/NDF : 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF : 1062079.0/31

Out: 0.000+/-0.000 χ^2/NDF : 364260.8/34

All: 0.000+/-0.000 χ^2/NDF : 1449111.3/66

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.025+/-0.000 χ^2/NDF : 1647548038.0/15

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

Left In: 0.026+/-0.000 χ^2/NDF : 1130326465.8/14

Left: 0.026+/-0.000 χ^2/NDF : 2812225053.0/30

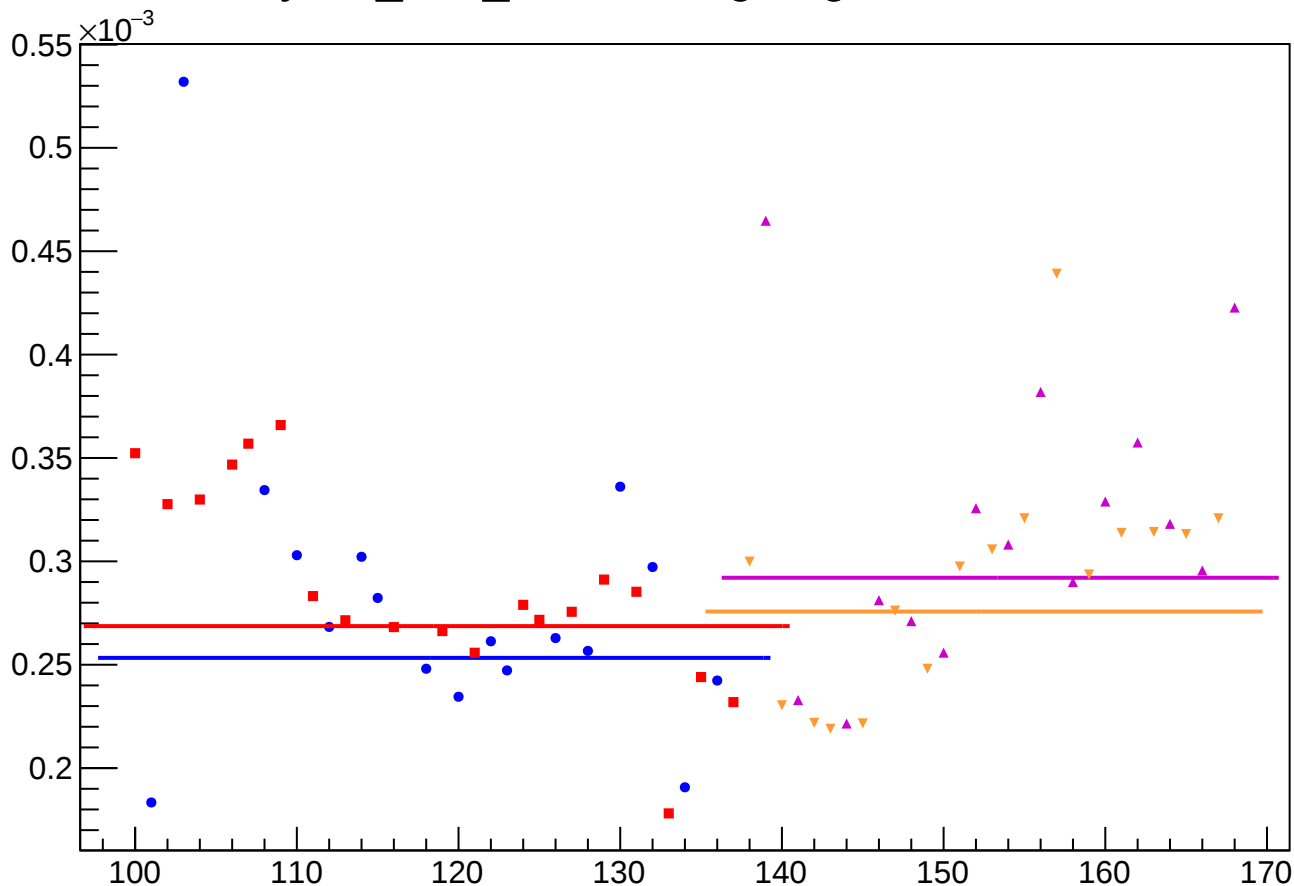
Right: 0.023+/-0.000 χ^2/NDF : 9954563356.3/35

In: 0.025+/-0.000 χ^2/NDF : 6024143779.0/31

Out: 0.025+/-0.000 χ^2/NDF : 7446264525.3/34

All: 0.025+/-0.000 χ^2/NDF : 13472130385.0/6

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 587833.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF : 812422.5/14

Left: 0.000+/-0.000 χ^2/NDF : 1434708.8/30

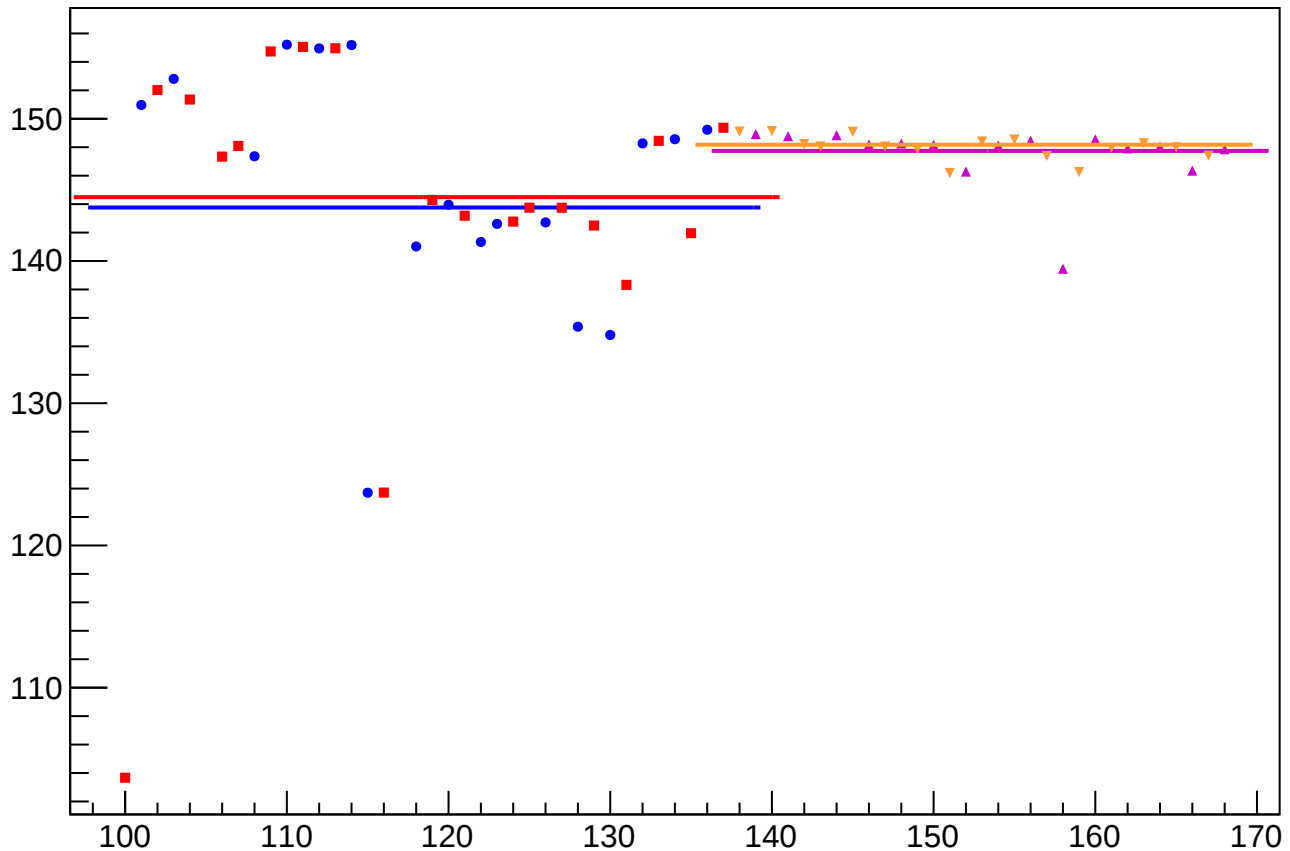
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF : 1597355.4/31

Out: 0.000+/-0.000 χ^2/NDF : 1021389.7/34

All: 0.000+/-0.000 χ^2/NDF : 2620204.1/66

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.176+/-0.000 χ^2/NDF : 52407732.4/15

Right Out: 144.490+/-0.000 χ^2/NDF : 4182548232.5/18

Left In: 147.743+/-0.000 χ^2/NDF : 325231534.1/14

Left: 147.965+/-0.000 χ^2/NDF : 384127845.1/30

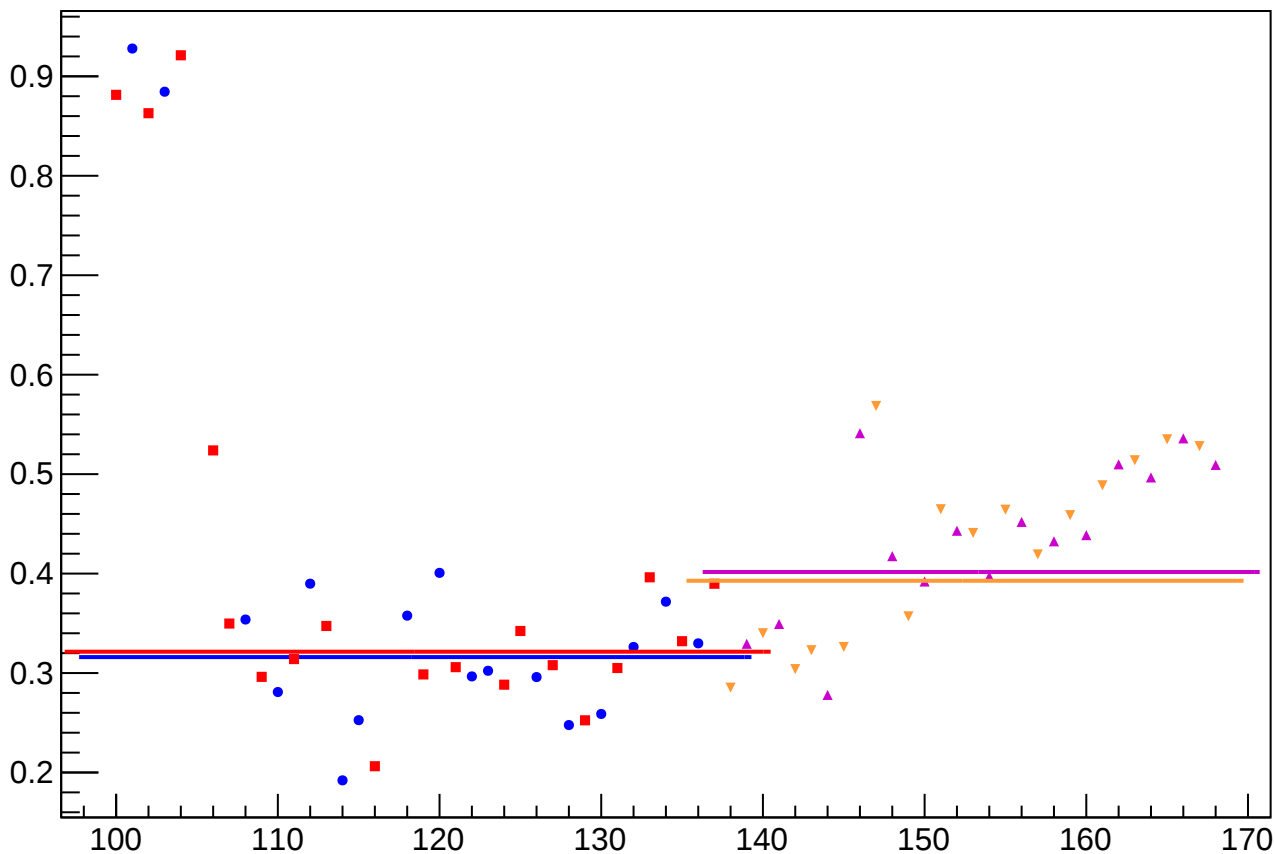
Right: 144.130+/-0.000 χ^2/NDF : 7732099987.4/35

In: 145.946+/-0.000 χ^2/NDF : 4343161653.9/31

Out: 146.540+/-0.000 χ^2/NDF : 4663151239.1/34

All: 146.248+/-0.000 χ^2/NDF : 9028434449.9

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.393 $\pm$ 0.000 χ^2/NDF : 1044249.0/15

Right Out: 0.321 $\pm$ 0.000 χ^2/NDF : 1219073.9/18

Left In: 0.402 $\pm$ 0.000 χ^2/NDF : 843089.3/14

Left: 0.397 $\pm$ 0.000 χ^2/NDF : 1892731.3/30

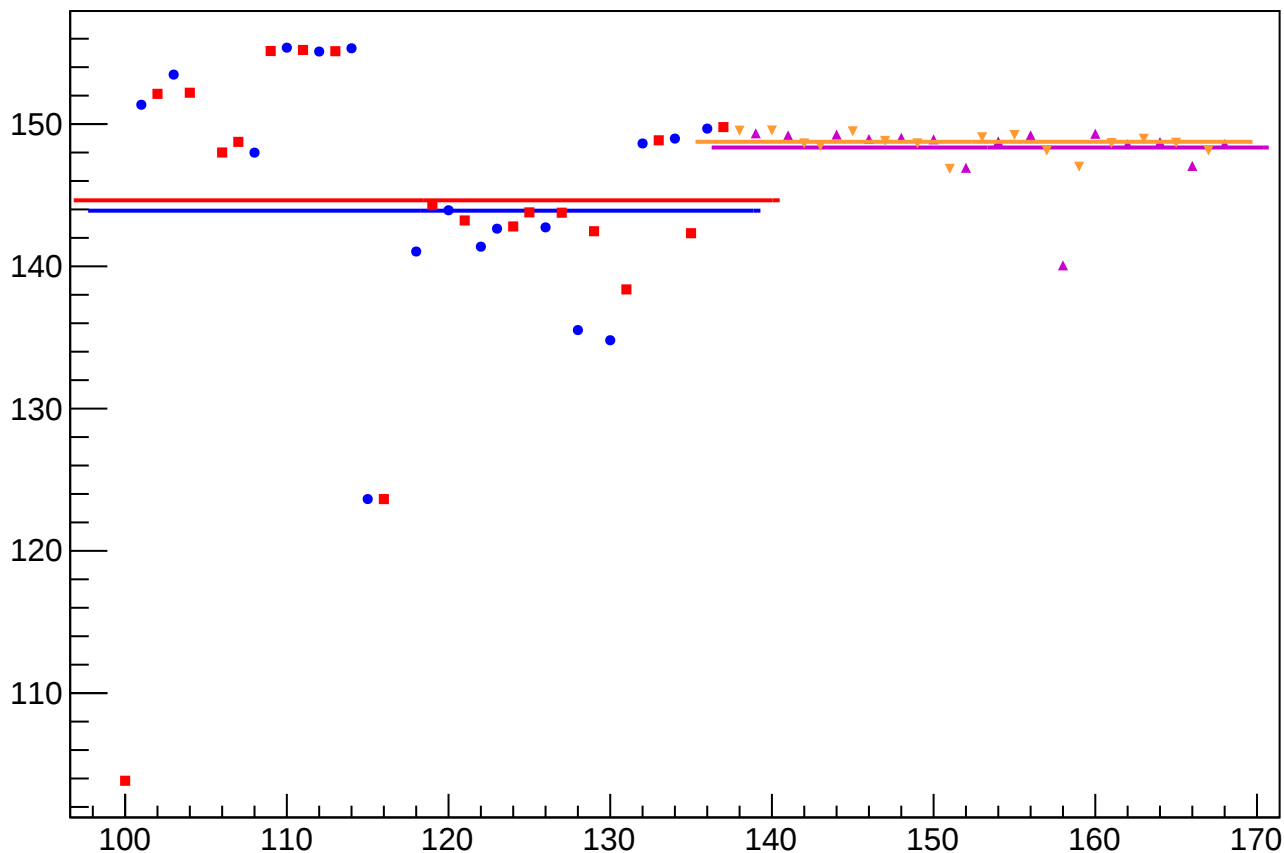
Right: 0.319 $\pm$ 0.000 χ^2/NDF : 2486648.0/35

In: 0.363 $\pm$ 0.000 χ^2/NDF : 2555874.7/31

Out: 0.361 $\pm$ 0.000 χ^2/NDF : 2584140.5/34

All: 0.362 $\pm$ 0.000 χ^2/NDF : 5140443.0/66

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.755 $\pm$ 0.000 χ^2 /NDF: 40888029.6/15

Right Out: 144.640 $\pm$ 0.000 χ^2 /NDF: 4209610240.4/18

Left In: 148.353 $\pm$ 0.000 χ^2 /NDF: 314101957.2/14

Left: 148.559 $\pm$ 0.000 χ^2 /NDF: 360475462.3/30

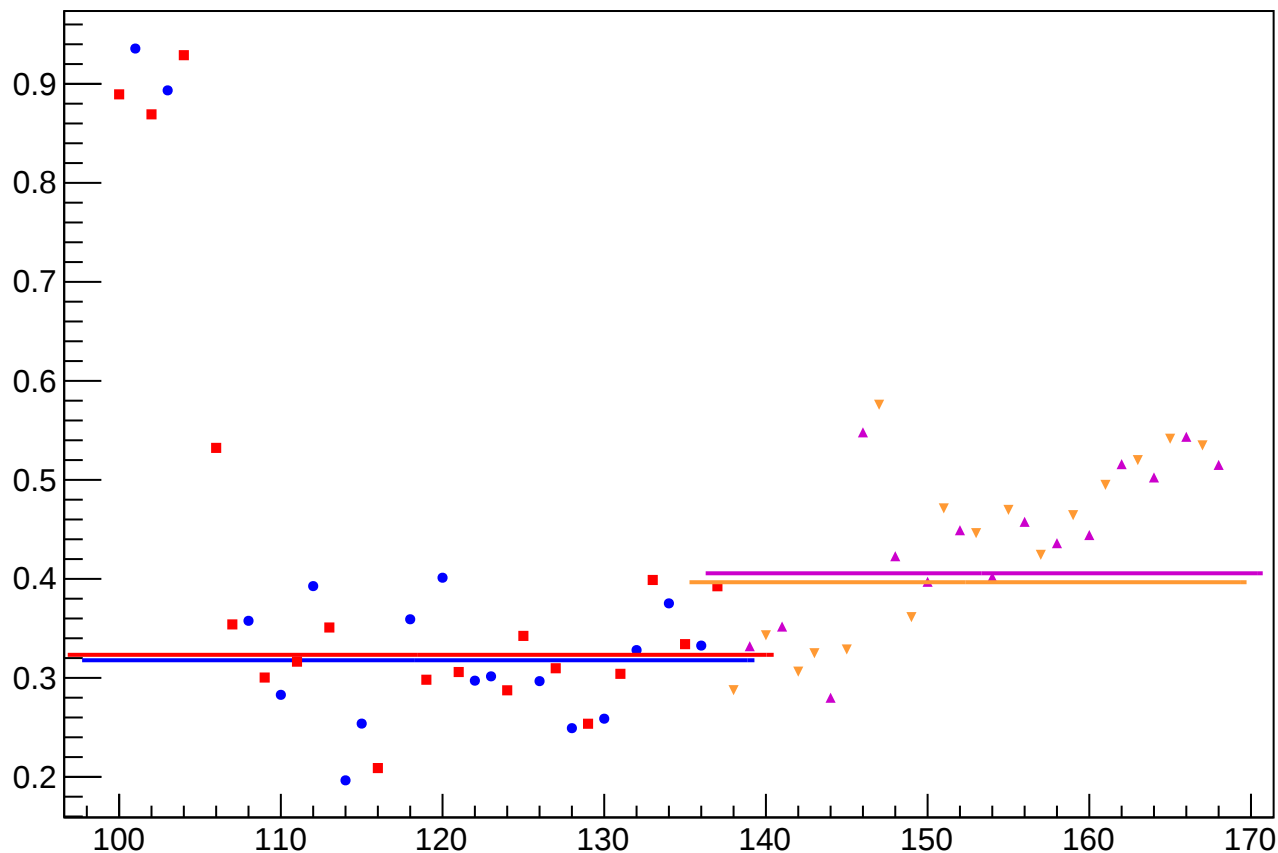
Right: 144.280 $\pm$ 0.000 χ^2 /NDF: 7812104995.9/35

In: 146.338 $\pm$ 0.000 χ^2 /NDF: 4494203832.9/31

Out: 146.920 $\pm$ 0.000 χ^2 /NDF: 4775977817.7/34

All: 146.634 $\pm$ 0.000 χ^2 /NDF: 9291120295.1

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.397+/-0.000 χ^2/NDF :1063431.3/15

Right Out: 0.323+/-0.000 χ^2/NDF : 1222241.9/18

Left In: 0.406+/-0.000 χ^2/NDF :860418.2/14

Left: 0.401+/-0.000 χ^2/NDF : 1929375.8/30

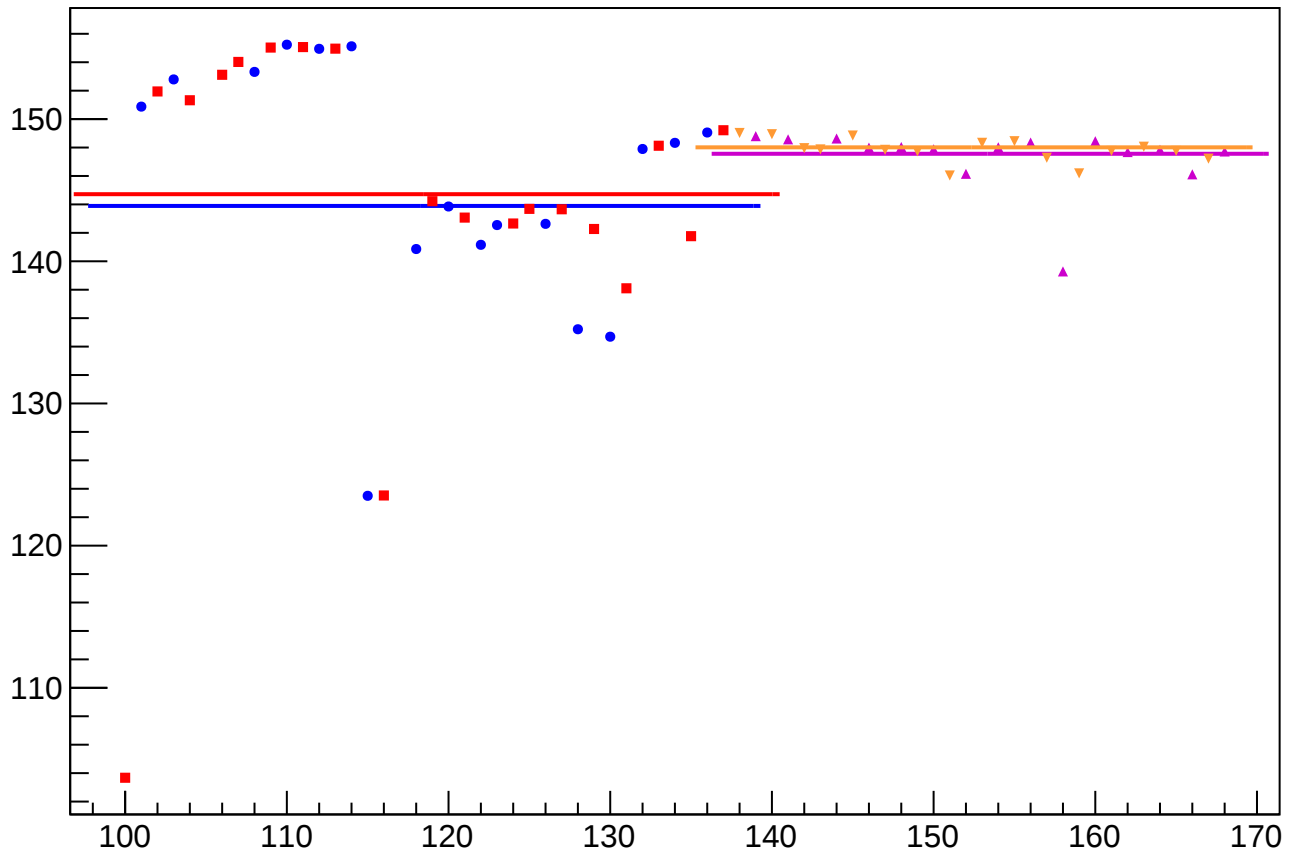
Right: 0.321+/-0.000 χ^2/NDF : 2492180.0/35

In: 0.366+/-0.000 χ^2/NDF :2592179.1/31

Out: 0.364+/-0.000 χ^2/NDF :2619351.0/34

All: 0.365+/-0.000 χ^2/NDF : 5211954.3/66

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.014+/-0.000 χ^2/NDF : 50891381.9/15

Right Out: 144.719+/-0.000 χ^2/NDF : 4473225884.5/18

Left In: 147.561+/-0.000 χ^2/NDF : 324091008.8/14

Left: 147.793+/-0.000 χ^2/NDF : 382024428.3/30

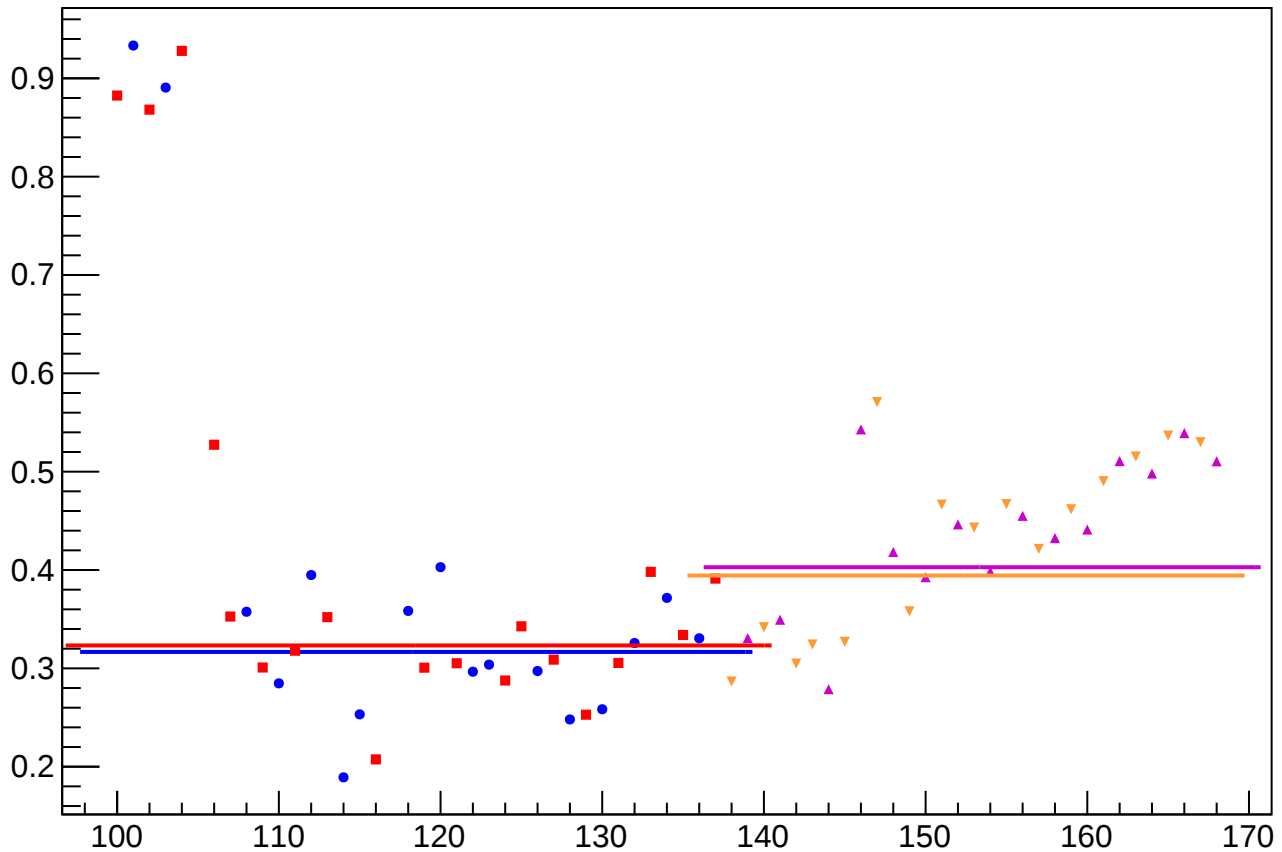
Right: 144.309+/-0.000 χ^2/NDF : 8244852440.8/35

In: 145.905+/-0.000 χ^2/NDF : 4484650116.3/31

Out: 146.554+/-0.000 χ^2/NDF : 4862928542.9/34

All: 146.235+/-0.000 χ^2/NDF : 9373764630.6

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.394 $\pm$ 0.000 χ^2 /NDF:1045178.0/15

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222784.7/18

Left In: 0.403 $\pm$ 0.000 χ^2 /NDF:847216.9/14

Left: 0.399 $\pm$ 0.000 χ^2 /NDF: 1897281.7/30

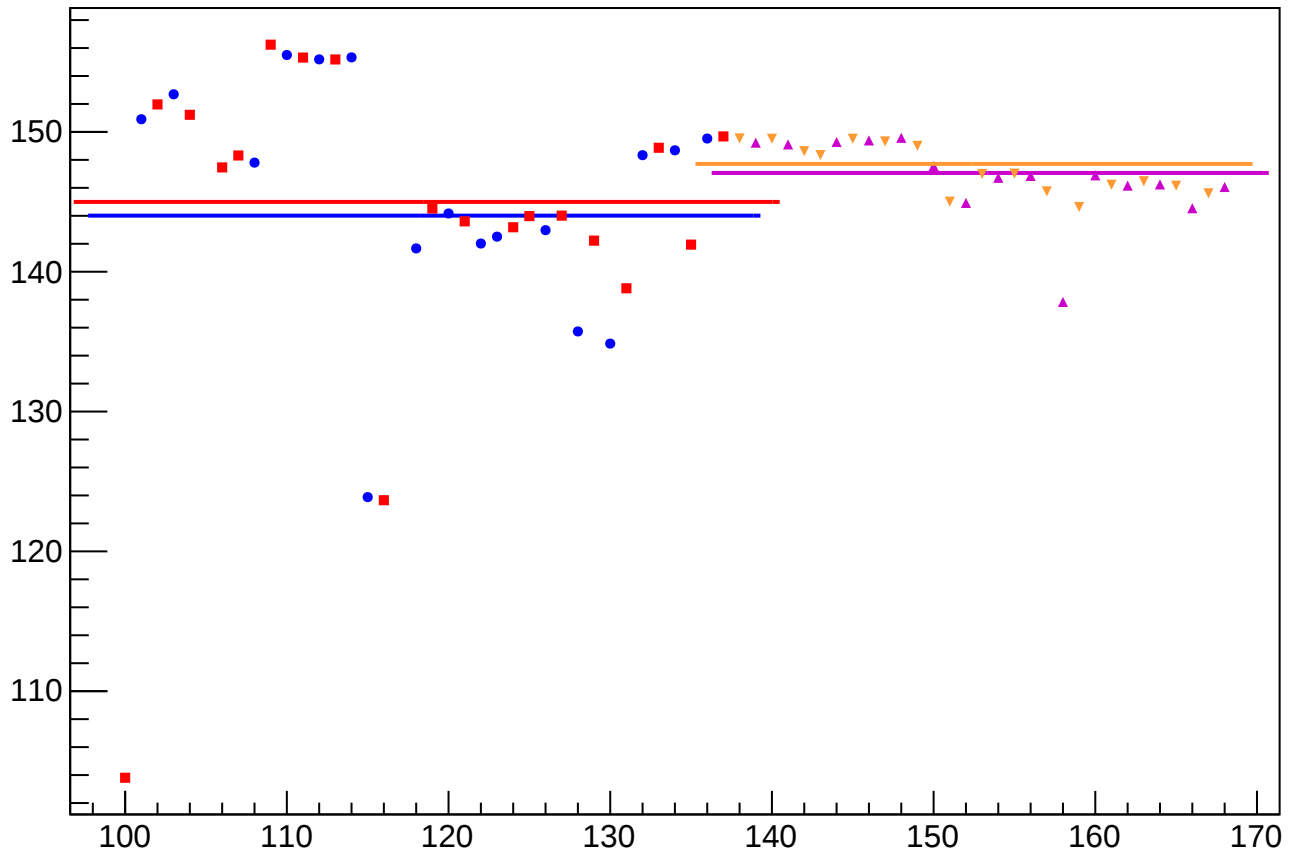
Right: 0.320 $\pm$ 0.000 χ^2 /NDF: 2505560.8/35

In: 0.364 $\pm$ 0.000 χ^2 /NDF:2577464.1/31

Out: 0.363 $\pm$ 0.000 χ^2 /NDF:2583634.1/34

All: 0.363 $\pm$ 0.000 χ^2 /NDF: 5161235.3/66

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 147.711 $\pm$ 0.000 χ^2 /NDF: 189940066.8/15

Right Out: 144.994 $\pm$ 0.000 χ^2 /NDF: 3852381452.1/18

Left In: 147.066 $\pm$ 0.000 χ^2 /NDF: 503106441.4/14

Left: 147.396 $\pm$ 0.000 χ^2 /NDF: 706379056.2/30

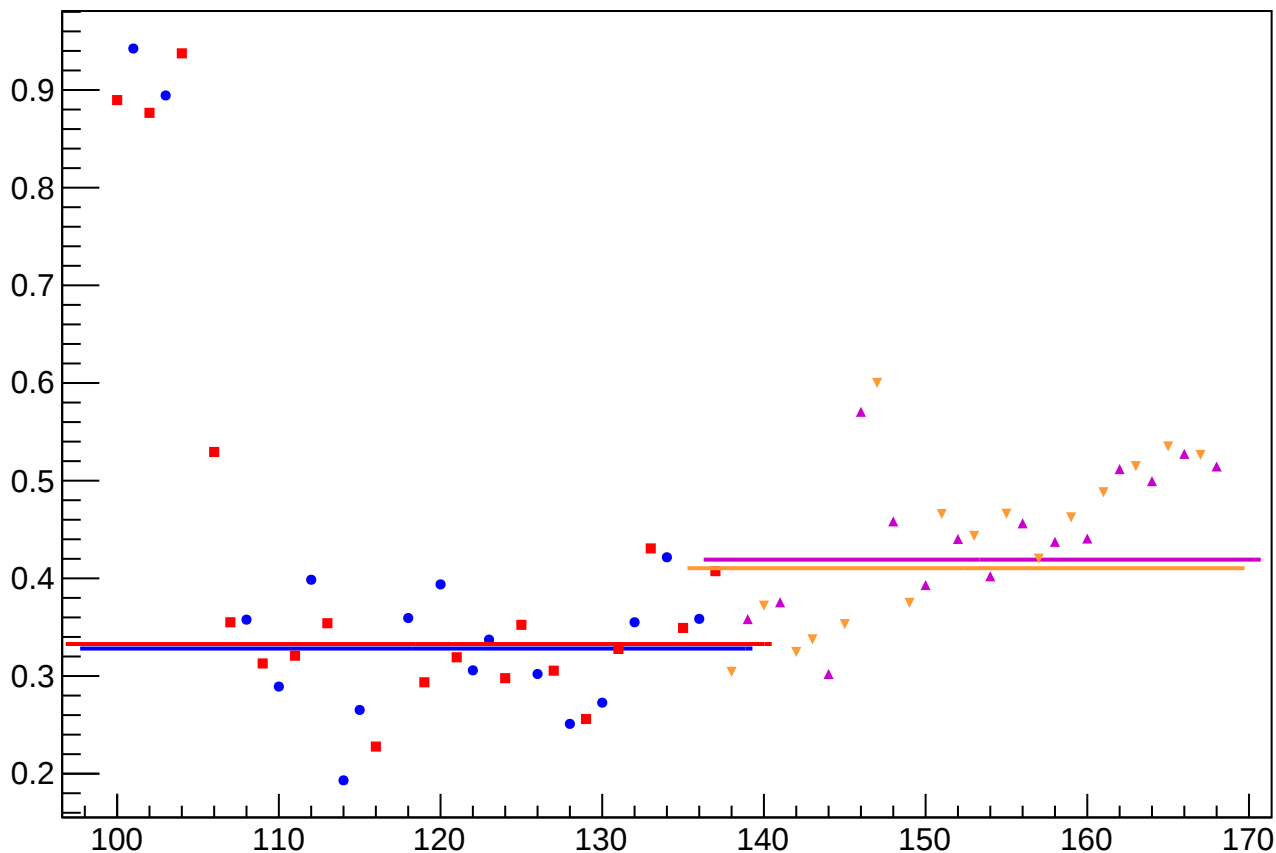
Right: 144.510 $\pm$ 0.000 χ^2 /NDF: 7119138597.7/35

In: 145.689 $\pm$ 0.000 χ^2 /NDF: 4007575673.0/31

Out: 146.498 $\pm$ 0.000 χ^2 /NDF: 4258275558.5/34

All: 146.101 $\pm$ 0.000 χ^2 /NDF: 8303814558.4

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.410+/-0.000 χ^2/NDF : 813772.6/15

Right Out: 0.333+/-0.000 χ^2/NDF : 1185129.6/18

Left In: 0.419+/-0.000 χ^2/NDF : 641519.2/14

Left: 0.415+/-0.000 χ^2/NDF : 1460223.0/30

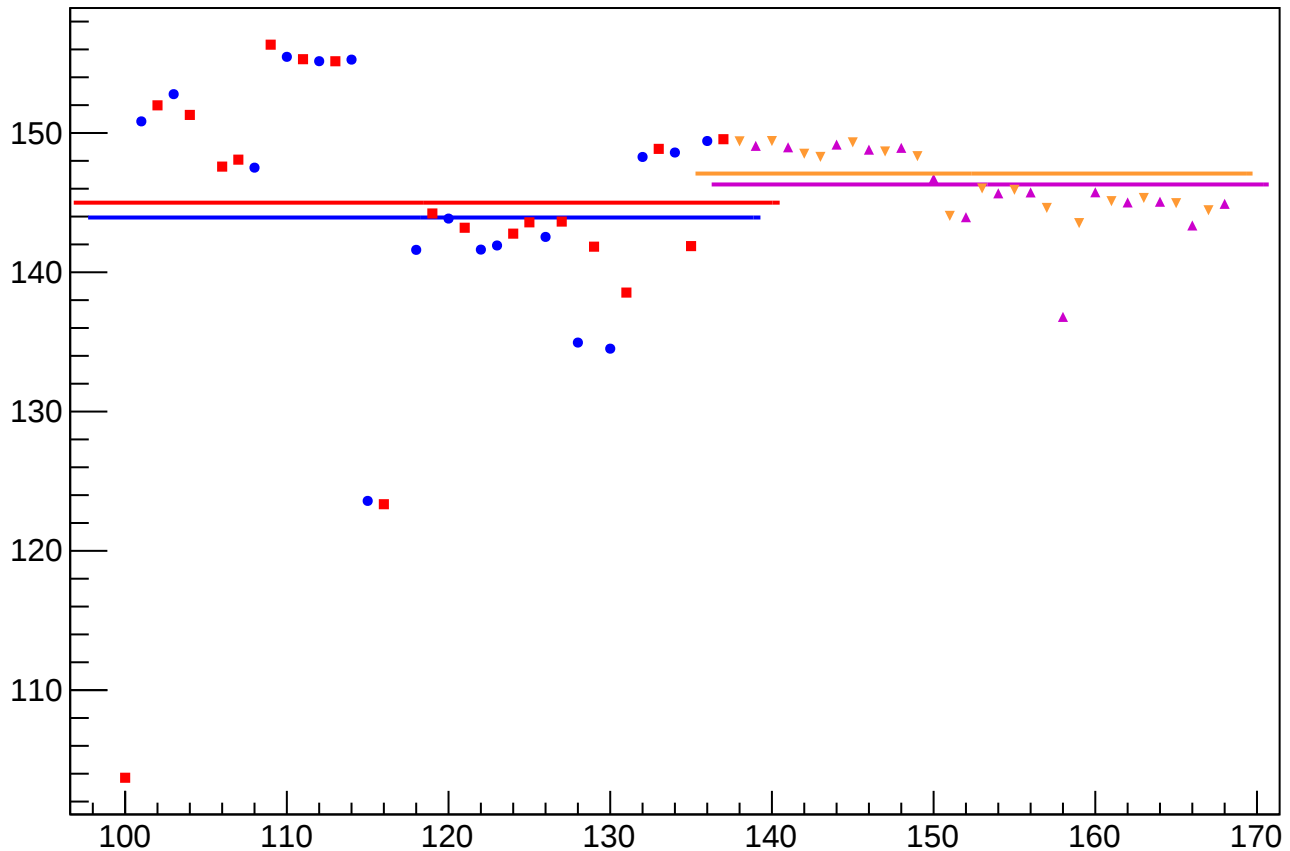
Right: 0.330+/-0.000 χ^2/NDF : 2452140.8/35

In: 0.378+/-0.000 χ^2/NDF : 2374563.5/31

Out: 0.376+/-0.000 χ^2/NDF : 2351182.1/34

All: 0.377+/-0.000 χ^2/NDF : 4726407.9/66

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 147.088 $\pm$ 0.000 χ^2 /NDF: 291058205.9/15

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3932958476.0/18

Left In: 146.305 $\pm$ 0.000 χ^2 /NDF: 621233633.6/14

Left: 146.705 $\pm$ 0.000 χ^2 /NDF: 931808375.4/30

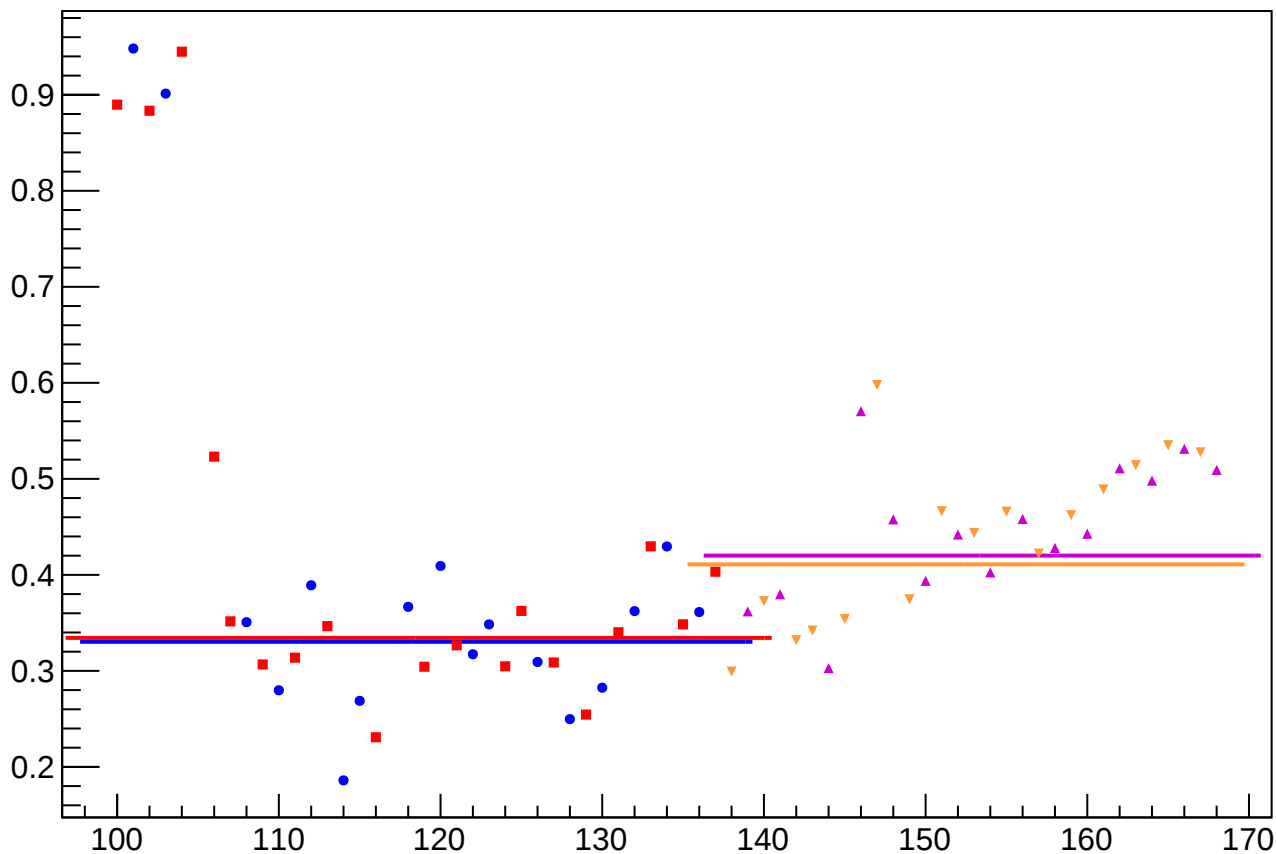
Right: 144.474 $\pm$ 0.000 χ^2 /NDF: 7345100324.4/35

In: 145.242 $\pm$ 0.000 χ^2 /NDF: 4161020664.8/31

Out: 146.159 $\pm$ 0.000 χ^2 /NDF: 4350657202.3/34

All: 145.710 $\pm$ 0.000 χ^2 /NDF: 8559959951.1

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.411 $\pm$ 0.000 χ^2 /NDF: 812270.1/15

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1174012.0/18

Left In: 0.420 $\pm$ 0.000 χ^2 /NDF: 619950.8/14

Left: 0.415 $\pm$ 0.000 χ^2 /NDF: 1437567.7/30

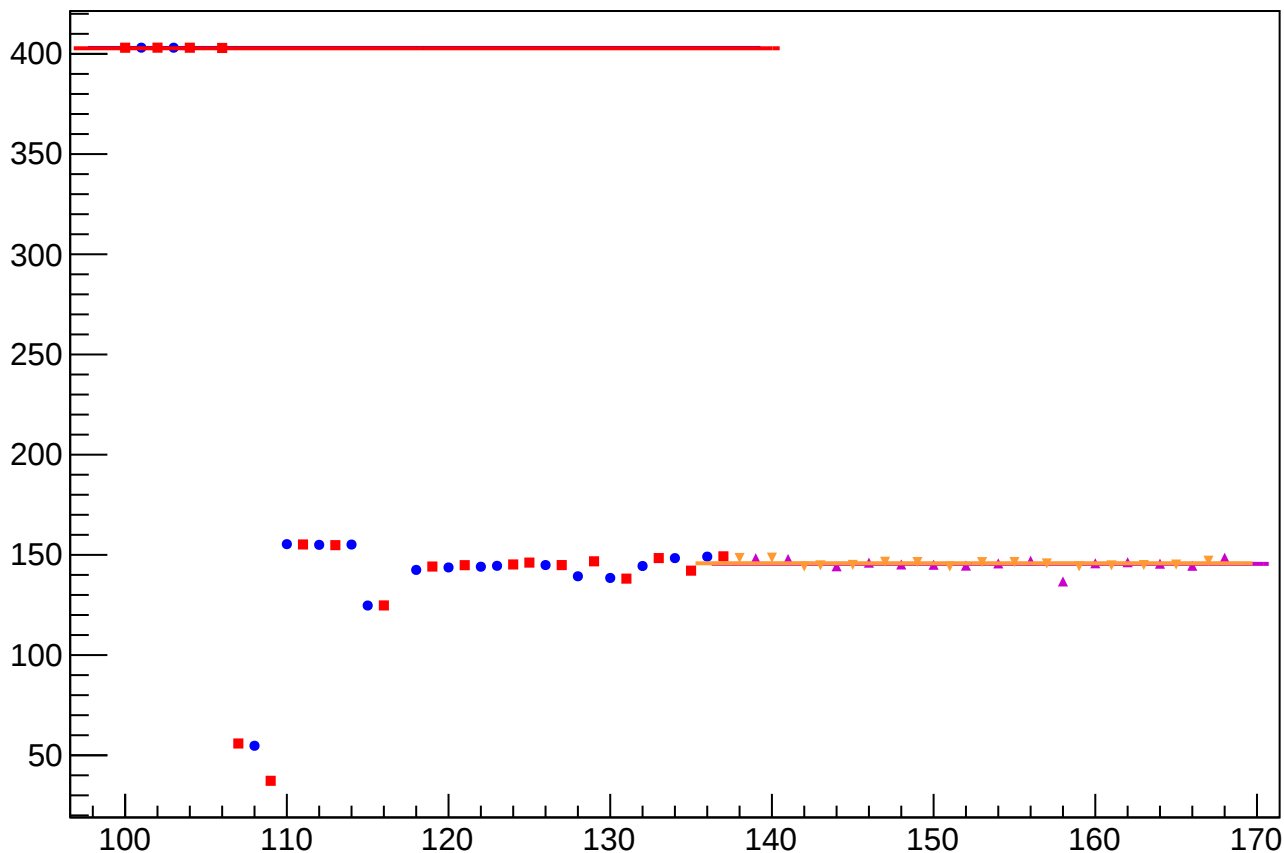
Right: 0.332 $\pm$ 0.000 χ^2 /NDF: 2458819.5/35

In: 0.380 $\pm$ 0.000 χ^2 /NDF: 2352936.7/31

Out: 0.377 $\pm$ 0.000 χ^2 /NDF: 2326032.8/34

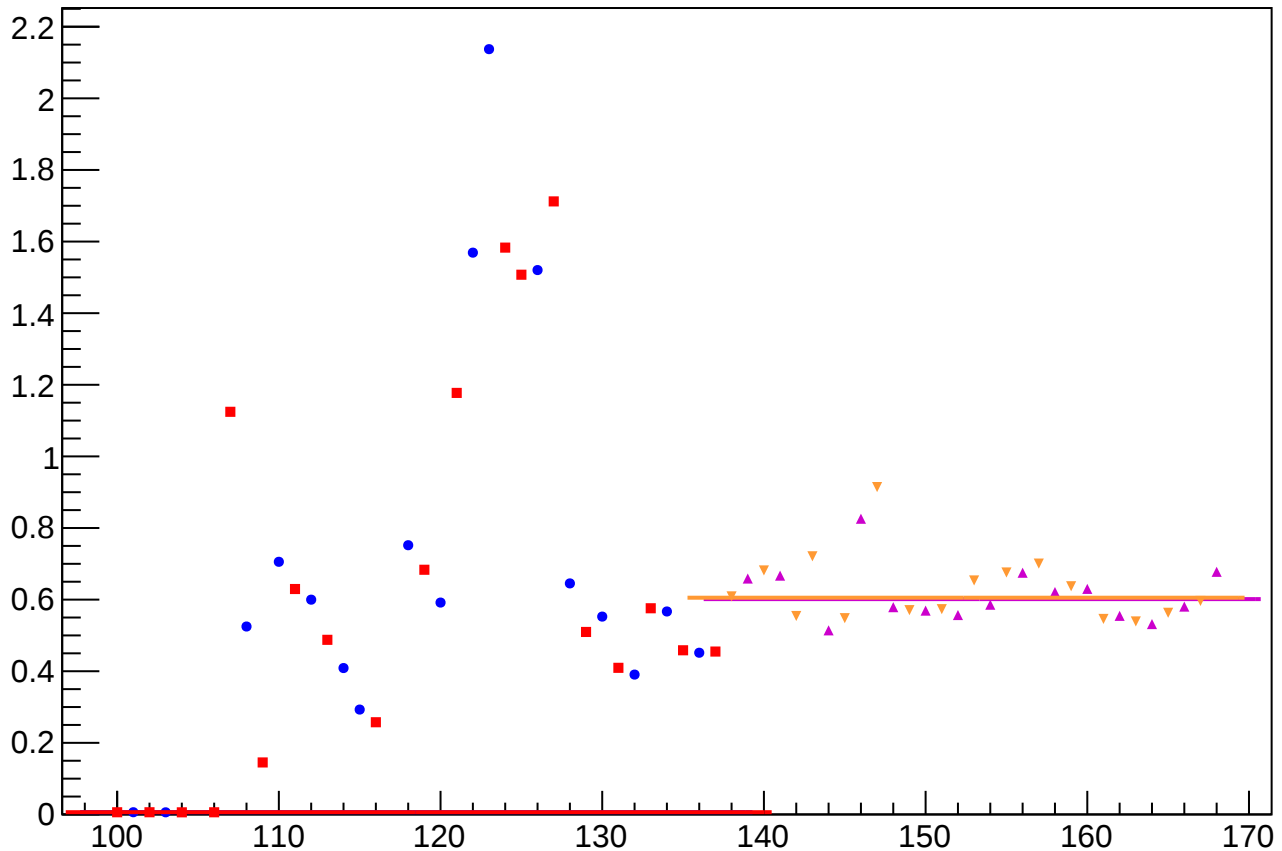
All: 0.378 $\pm$ 0.000 χ^2 /NDF: 4679992.4/66

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16
 Left Out: 145.794+/-0.000 χ^2/NDF : 44614617.9/15
 Right Out: 402.799+/-0.000 χ^2/NDF : 3102036567767.5/18
 Left In: 145.514+/-0.000 χ^2/NDF : 148036411.3/14
 Left: 145.654+/-0.000 χ^2/NDF : 193569294.2/30
 Right: 402.873+/-0.000 χ^2/NDF : 4196818264482.1/16
 In: 402.764+/-0.000 χ^2/NDF : 2650679221416.8/30
 Out: 402.629+/-0.000 χ^2/NDF : 4643514008153.2/30
 All: 402.692+/-0.000 χ^2/NDF : 729449418893.4/16

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.605+/-0.000 χ^2/NDF : 255157.8/15

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

Left In: 0.601+/-0.000 χ^2/NDF : 209468.4/14

Left: 0.603+/-0.000 χ^2/NDF : 464988.6/30

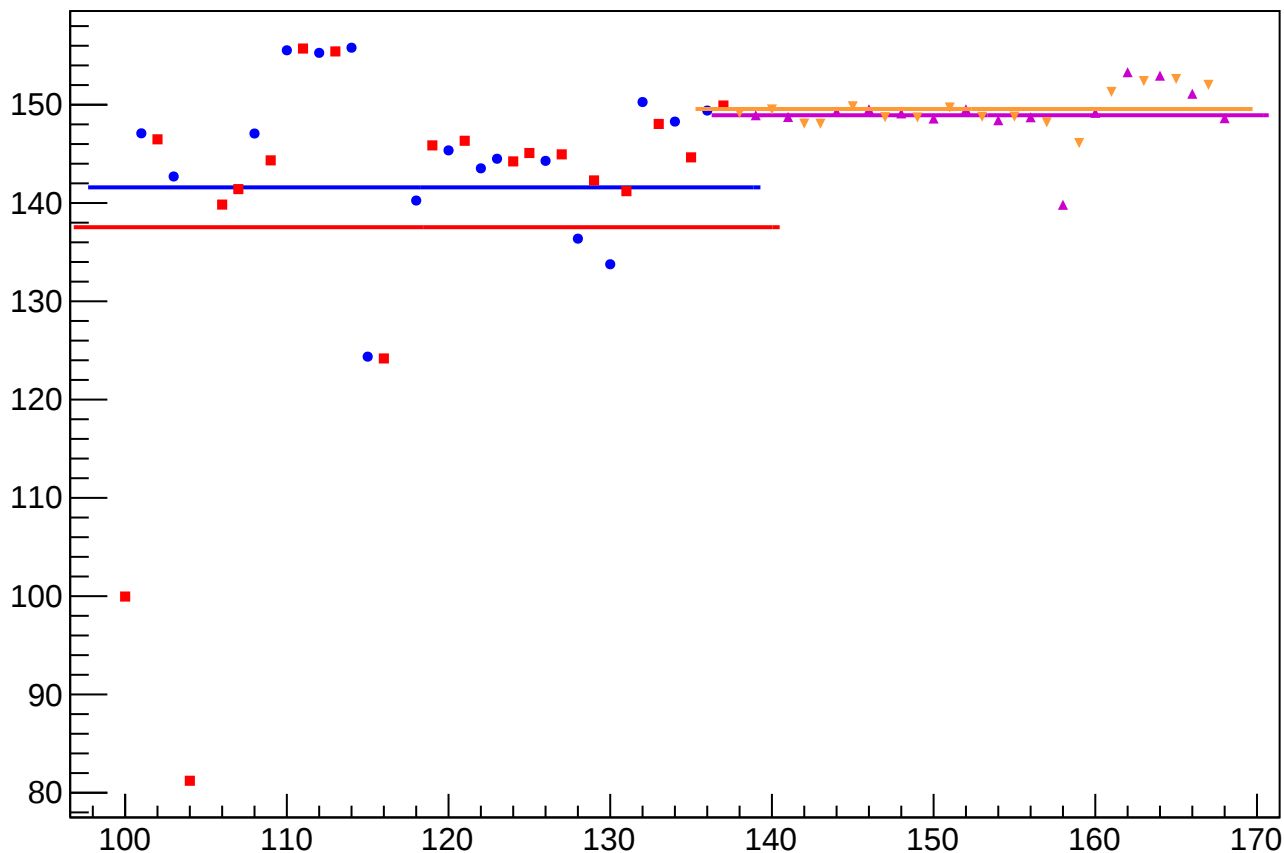
Right: 0.006+/-0.000 χ^2/NDF : 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF : 25917687.2/31

Out: 0.007+/-0.000 χ^2/NDF : 26196032.3/34

All: 0.007+/-0.000 χ^2/NDF : 52113848.6/66

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593+/-0.000 χ^2/NDF : 980101868.2/16

Left Out: 149.565+/-0.000 χ^2/NDF : 119654760.5/15

Right Out: 137.539+/-0.000 χ^2/NDF : 1316096307.7/18

Left In: 148.930+/-0.000 χ^2/NDF : 363114069.2/14

Left: 149.260+/-0.000 χ^2/NDF : 490274385.3/30

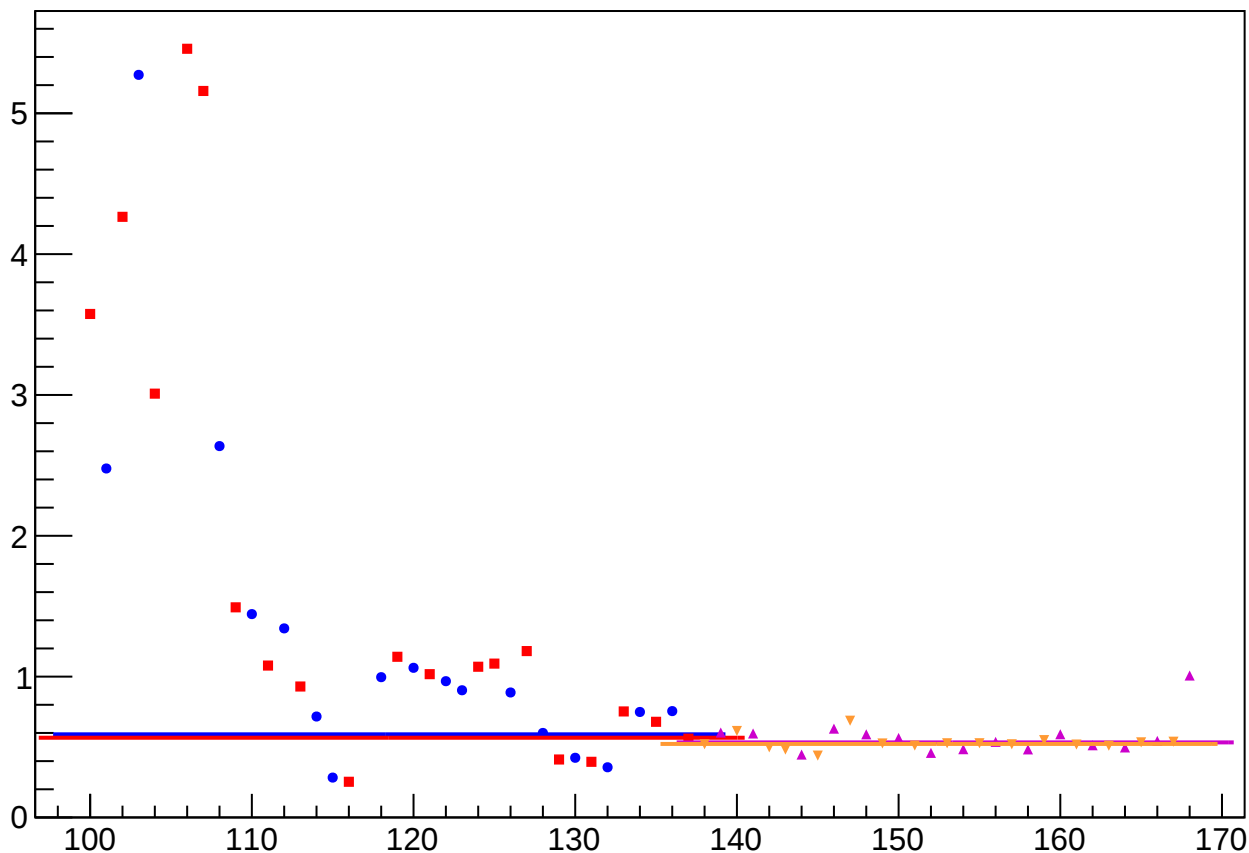
Right: 139.514+/-0.000 χ^2/NDF : 2381261600.7/35

In: 147.314+/-0.000 χ^2/NDF : 1766909885.8/31

Out: 146.970+/-0.000 χ^2/NDF : 2640604877.8/34

All: 147.136+/-0.000 χ^2/NDF : 4410317390.0

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.522 $\pm$ 0.000 χ^2/NDF : 170997.0/15

Right Out: 0.566 $\pm$ 0.000 χ^2/NDF : 4683596.4/18

Left In: 0.533 $\pm$ 0.000 χ^2/NDF : 541979.0/14

Left: 0.527 $\pm$ 0.000 χ^2/NDF : 717428.1/30

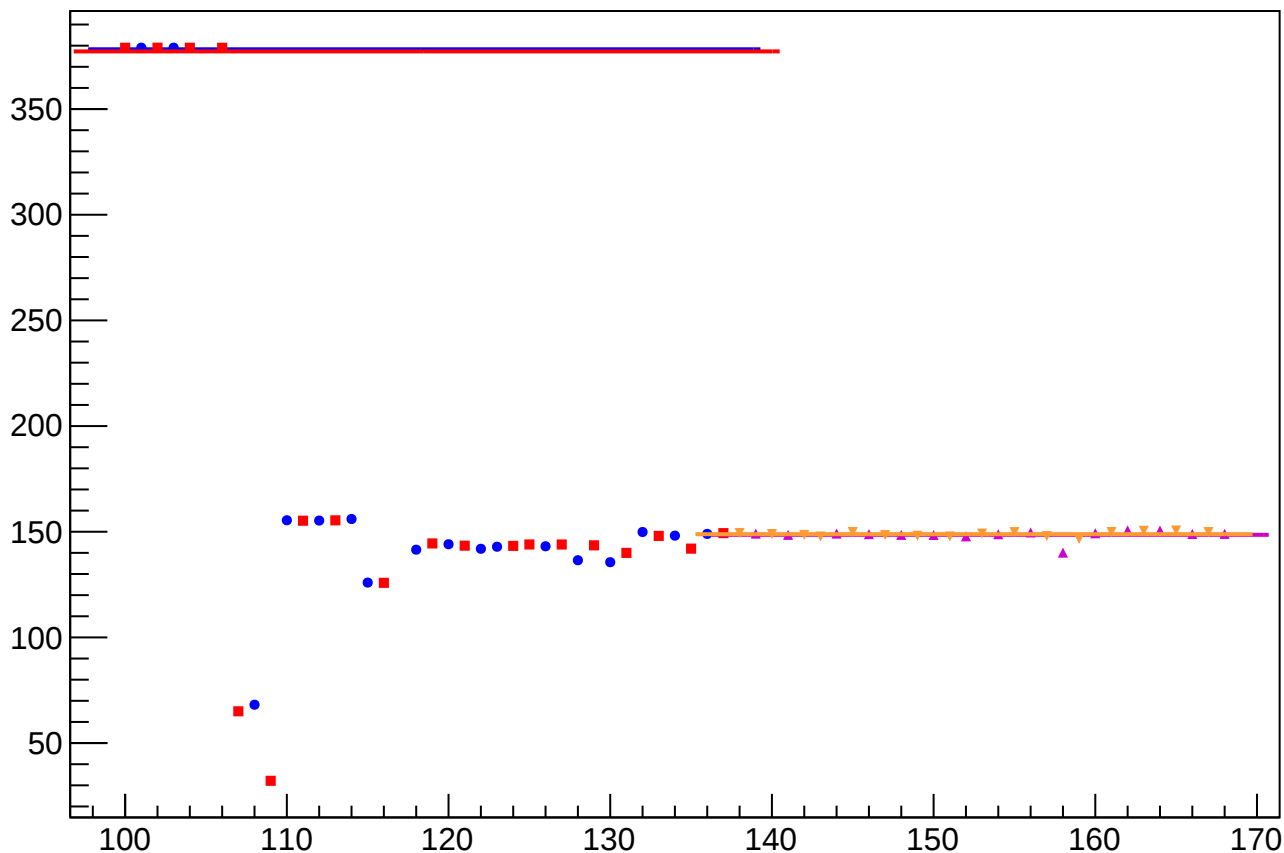
Right: 0.578 $\pm$ 0.000 χ^2/NDF : 8181648.0/35

In: 0.546 $\pm$ 0.000 χ^2/NDF : 4085591.7/31

Out: 0.532 $\pm$ 0.000 χ^2/NDF : 4886881.1/34

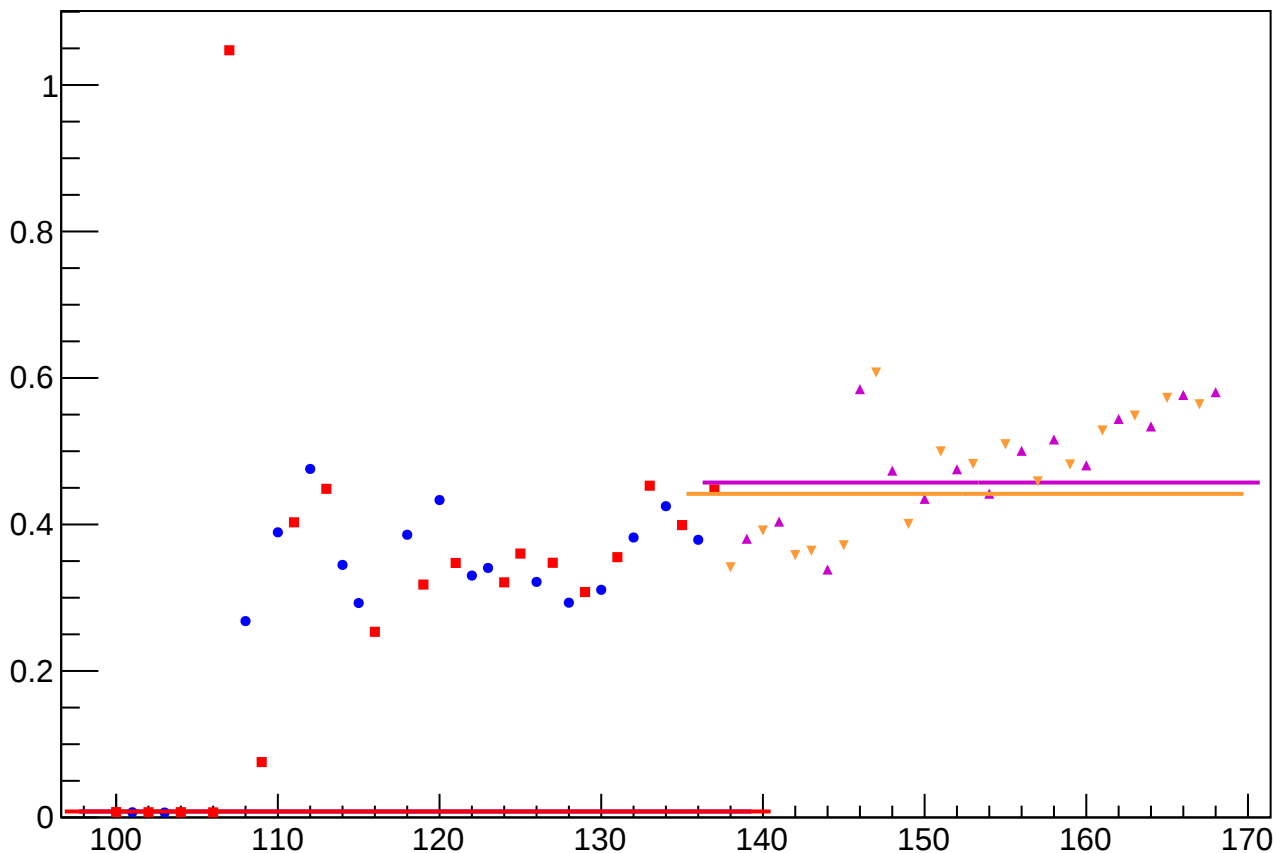
All: 0.538 $\pm$ 0.000 χ^2/NDF : 8981858.9/66

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000	χ^2/NDF : 2508313421453.8/16	Left: 148.694+/-0.000	χ^2/NDF : 296174192.8/30
Left Out: 148.838+/-0.000	χ^2/NDF : 59923019.5/15	Right: 377.752+/-0.000	χ^2/NDF : 10801647529340.7
Right Out: 377.287+/-0.000	χ^2/NDF : 8286303106836.4/18	In: 377.372+/-0.000	χ^2/NDF : 5293336286704.9/30
Left In: 148.539+/-0.000	χ^2/NDF : 233783749.3/14	Out: 376.430+/-0.000	χ^2/NDF : 11259291155853.2
		All: 376.870+/-0.000	χ^2/NDF : 165589522873.0

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.442 $\pm$ 0.000 χ^2 /NDF: 736168.5/15

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

Left In: 0.457 $\pm$ 0.000 χ^2 /NDF: 595877.9/14

Left: 0.449 $\pm$ 0.000 χ^2 /NDF: 1345163.8/30

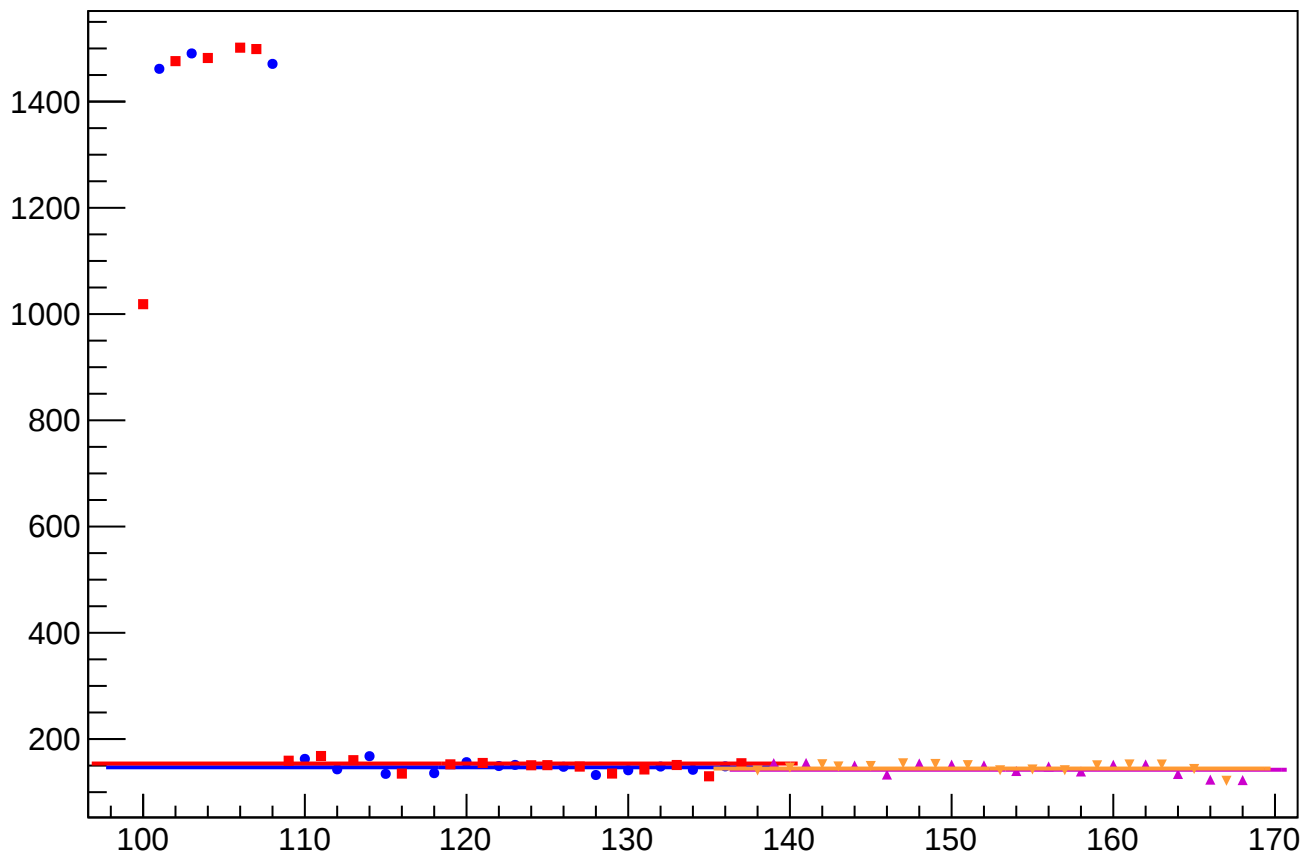
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 19329555.6/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF: 31686553.7/31

Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 31683455.2/34

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 63370239.9/66

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000

χ^2/NDF : 24360774977.7/16

Left: 143.322+/-0.000 χ^2/NDF : 2978857827.8/30

Right: 150.348+/-0.000 χ^2/NDF : 58231390734.2/35

Left Out: 144.465+/-0.000

χ^2/NDF : 1165733374.9/15

In: 143.529+/-0.000 χ^2/NDF : 26221285826.1/31

Right Out: 153.901+/-0.000

χ^2/NDF : 33737565970.8/18

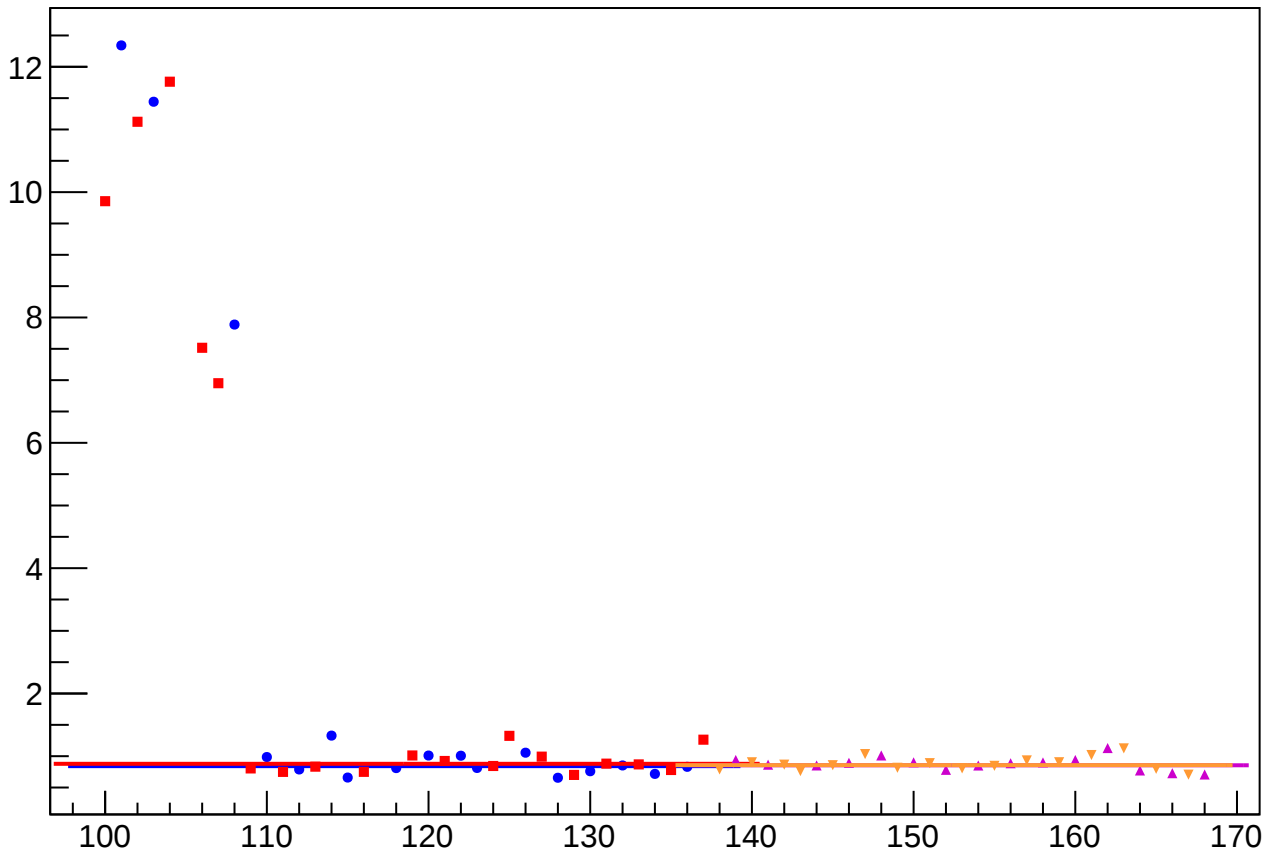
Out: 147.201+/-0.000 χ^2/NDF : 35237618036.5/34

Left In: 142.189+/-0.000

χ^2/NDF : 1779416672.1/14

All: 145.357+/-0.000 χ^2/NDF : 61582366285.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.857+/-0.000 χ^2/NDF :273346.1/15

Right Out: 0.878+/-0.000 χ^2/NDF : 2814626.6/18

Left In: 0.855+/-0.000 χ^2/NDF :266509.7/14

Left: 0.856+/-0.000 χ^2/NDF : 539908.5/30

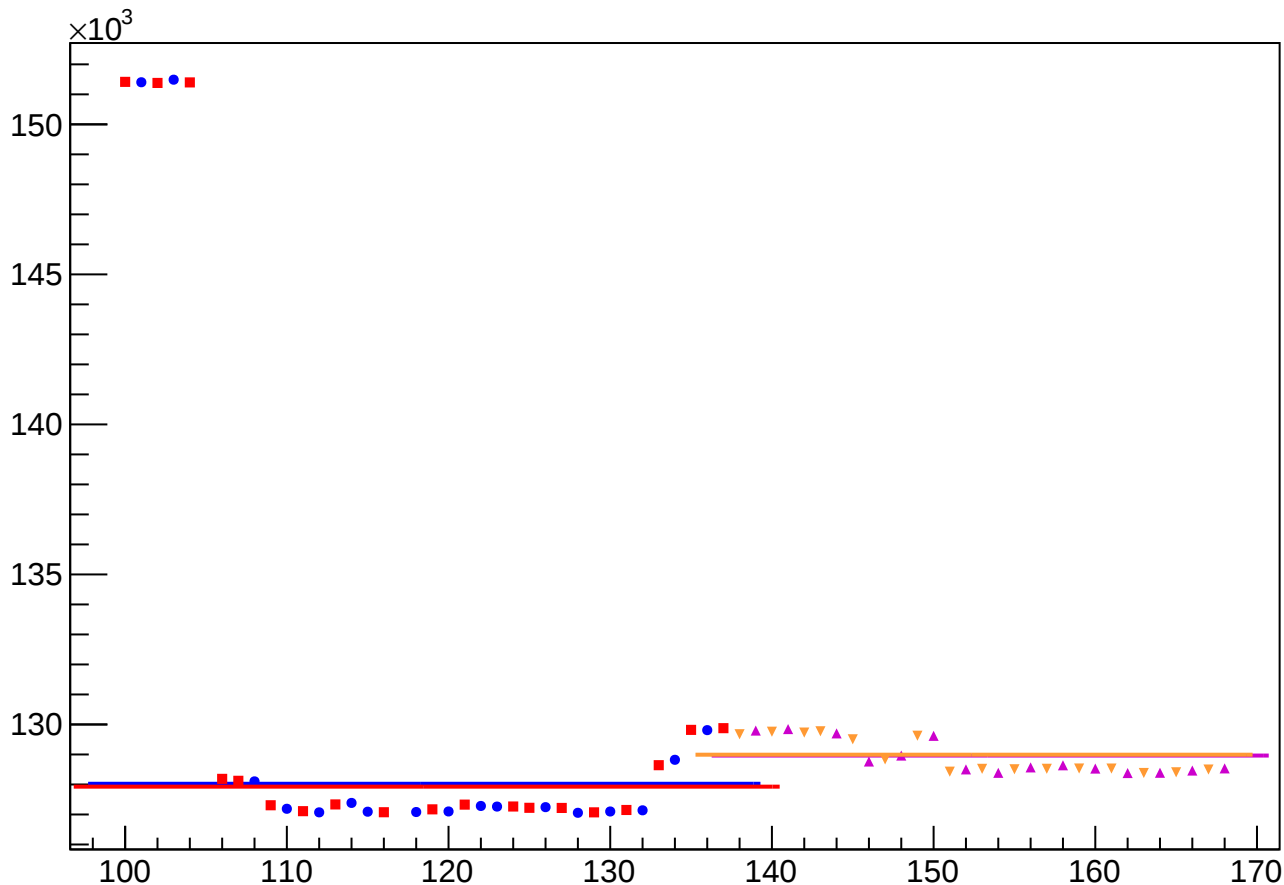
Right: 0.860+/-0.000 χ^2/NDF : 5484331.4/35

In: 0.851+/-0.000 χ^2/NDF :2930337.2/31

Out: 0.863+/-0.000 χ^2/NDF :3091394.6/34

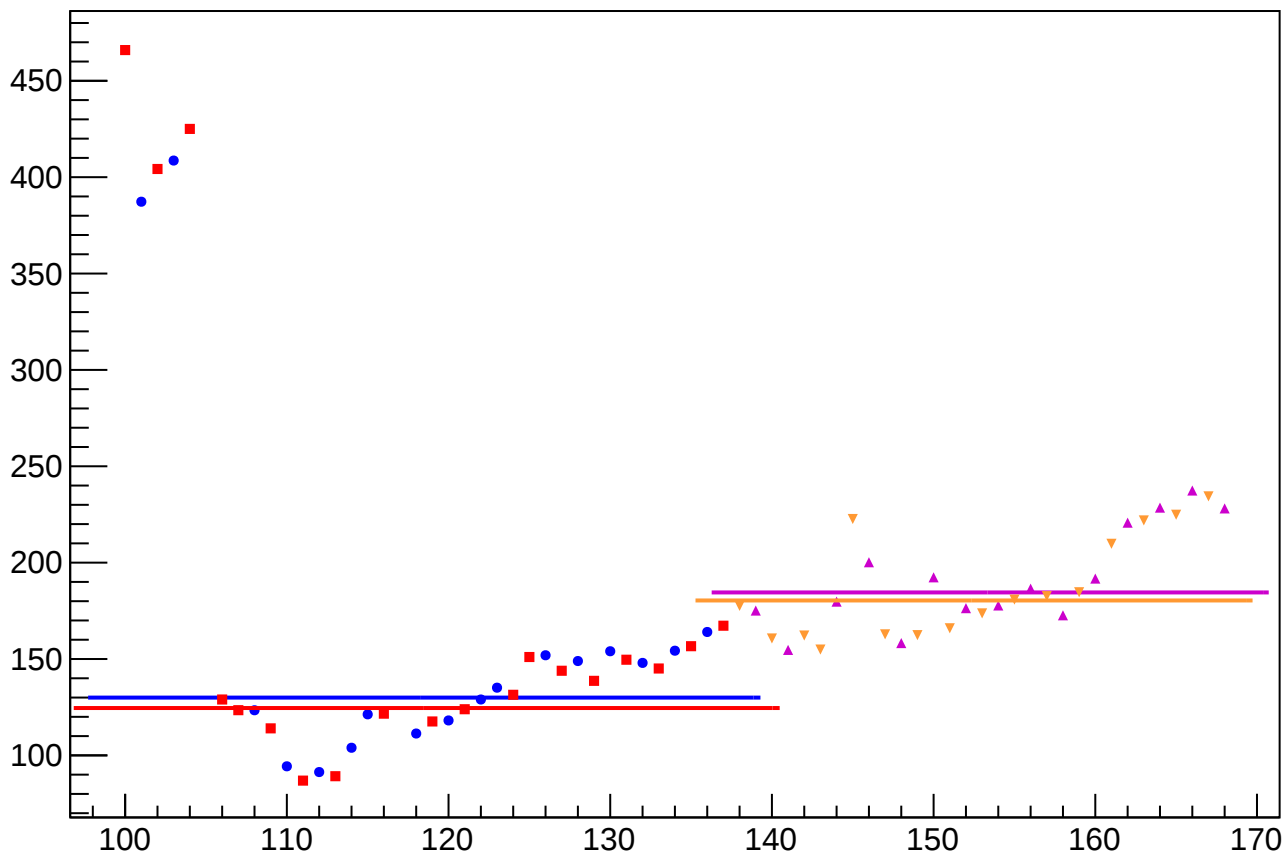
All: 0.857+/-0.000 χ^2/NDF : 6024450.2/66

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527+/-0.055	χ^2/NDF : 4316540586.9/16	Left: 128978.574+/-0.038	χ^2/NDF : 226020703.3/30
Left Out: 128992.511+/-0.053	χ^2/NDF : 118358394.1/15	Right: 127971.691+/-0.037	χ^2/NDF : 8085261759.1/15
Right Out: 127927.471+/-0.050	χ^2/NDF : 3767047216.9/18	In: 128493.080+/-0.039	χ^2/NDF : 4572488352.7/30
Left In: 128963.763+/-0.055	χ^2/NDF : 107519504.7/14	Out: 128433.276+/-0.037	χ^2/NDF : 4097706546.6/30
		All: 128461.518+/-0.027	χ^2/NDF : 867146250.0/100

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 ± 0.039 $\chi^2/\text{NDF}: 1485519.5/16$

Left Out: 180.377 ± 0.037 $\chi^2/\text{NDF}: 392696.9/15$

Right Out: 124.566 ± 0.036 $\chi^2/\text{NDF}: 1531273.9/18$

Left In: 184.544 ± 0.039 $\chi^2/\text{NDF}: 339826.1/14$

Left: 182.397 ± 0.027 $\chi^2/\text{NDF}: 738522.0/30$

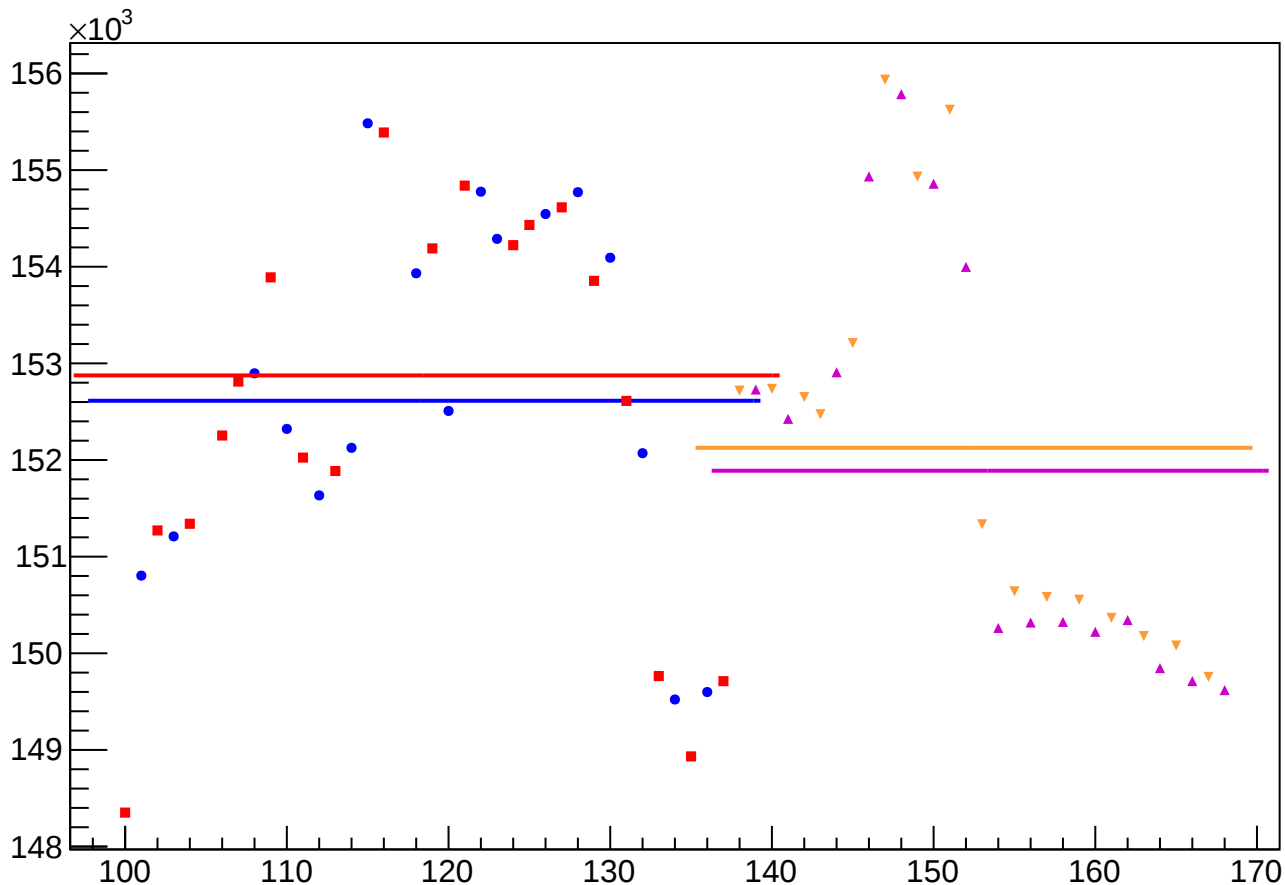
Right: 127.058 ± 0.026 $\chi^2/\text{NDF}: 3027426.7/35$

In: 157.229 ± 0.027 $\chi^2/\text{NDF}: 2825078.5/31$

Out: 151.072 ± 0.026 $\chi^2/\text{NDF}: 3089949.0/34$

All: 153.979 ± 0.019 $\chi^2/\text{NDF}: 5941899.7/66$

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 152126.279 $\pm$ 0.058 χ^2 /NDF: 1001022007.5/15

Right Out: 152875.313 $\pm$ 0.066 χ^2 /NDF: 716358700.9/18

Left In: 151889.019 $\pm$ 0.059 χ^2 /NDF: 1093791782.2/14

Left: 152009.509 $\pm$ 0.041 χ^2 /NDF: 2103047366.7/3

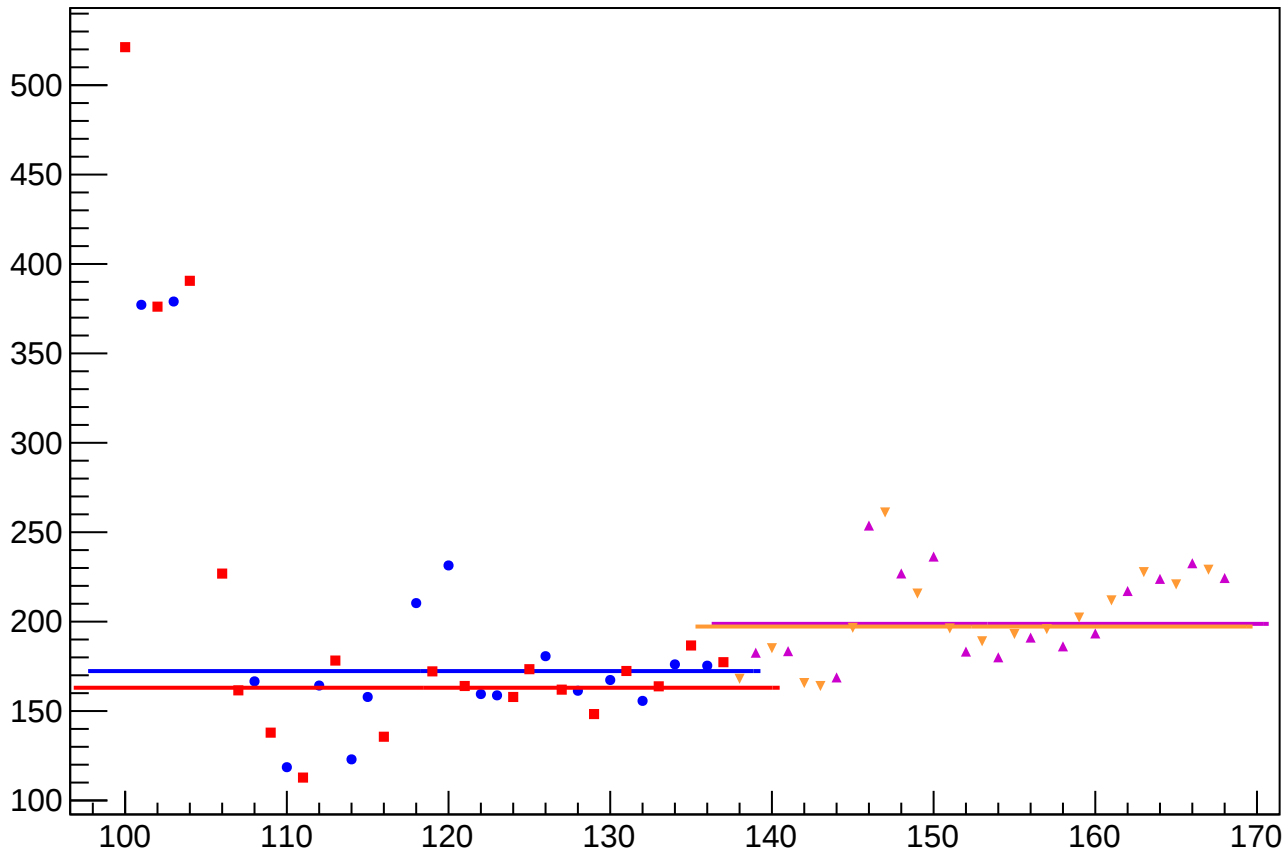
Right: 152755.689 $\pm$ 0.049 χ^2 /NDF: 1346872378.3/3

In: 152178.183 $\pm$ 0.046 χ^2 /NDF: 1777453472.7/3

Out: 152451.624 $\pm$ 0.044 χ^2 /NDF: 1789803918.8/3

All: 152321.148 $\pm$ 0.032 χ^2 /NDF: 358600217

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351 ± 0.051 $\chi^2/\text{NDF}: 921911.1/16$

Left Out: 197.248 ± 0.041 $\chi^2/\text{NDF}: 321708.6/15$

Right Out: 163.029 ± 0.047 $\chi^2/\text{NDF}: 1032736.0/18$

Left In: 198.755 ± 0.042 $\chi^2/\text{NDF}: 328357.8/14$

Left: 197.989 ± 0.029 $\chi^2/\text{NDF}: 650730.7/30$

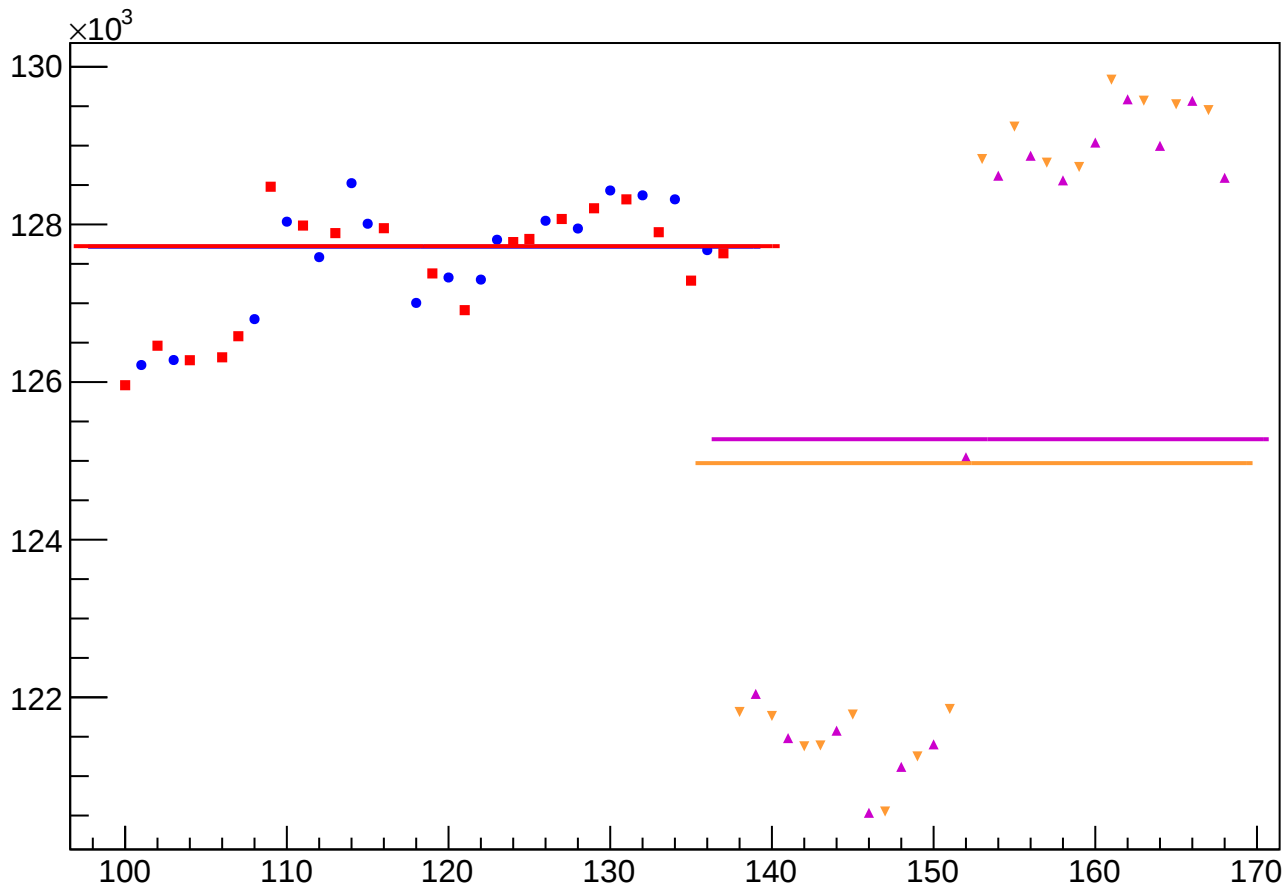
Right: 167.282 ± 0.035 $\chi^2/\text{NDF}: 1972741.3/35$

In: 188.211 ± 0.032 $\chi^2/\text{NDF}: 1410633.4/31$

Out: 182.385 ± 0.031 $\chi^2/\text{NDF}: 1656730.1/34$

All: 185.165 ± 0.022 $\chi^2/\text{NDF}: 3084380.1/66$

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 124971.515 $\pm$ 0.051 χ^2 /NDF: 5540257460.5/15

Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18

Left In: 125274.806 $\pm$ 0.051 χ^2 /NDF: 4995686795.5/14

Left: 125125.061 $\pm$ 0.036 χ^2 /NDF: 10553715018.1

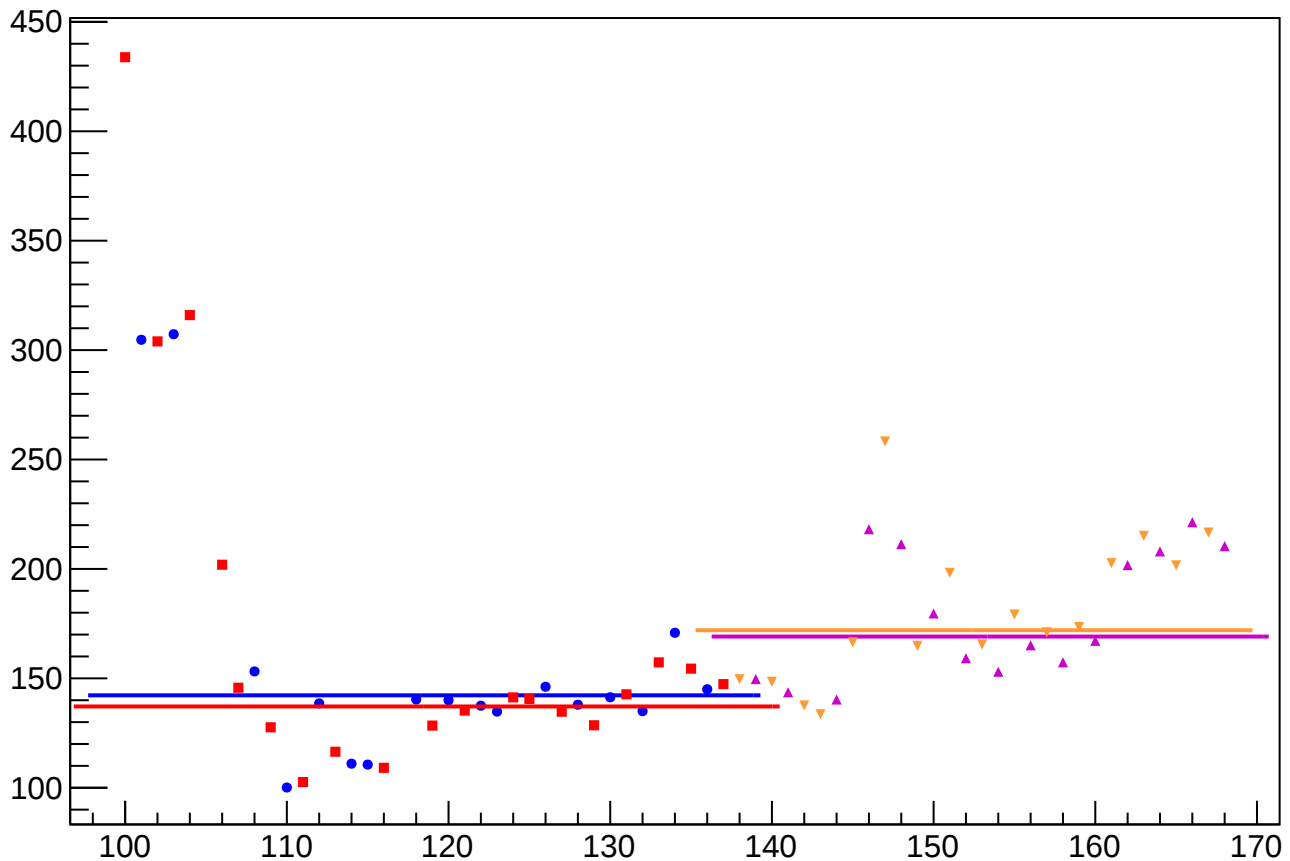
Right: 127721.424 $\pm$ 0.040 χ^2 /NDF: 207735167.4/3

In: 126323.683 $\pm$ 0.038 χ^2 /NDF: 6093534137.8/3

Out: 126261.366 $\pm$ 0.037 χ^2 /NDF: 7007855151.5/3

All: 126291.807 $\pm$ 0.027 χ^2 /NDF: 131027512

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 171.978+/-0.036 χ^2/NDF : 626241.1/15

Right Out: 137.151+/-0.039 χ^2/NDF : 957730.8/18

Left In: 169.094+/-0.036 χ^2/NDF : 532994.6/14

Left: 170.518+/-0.025 χ^2/NDF : 1162450.4/30

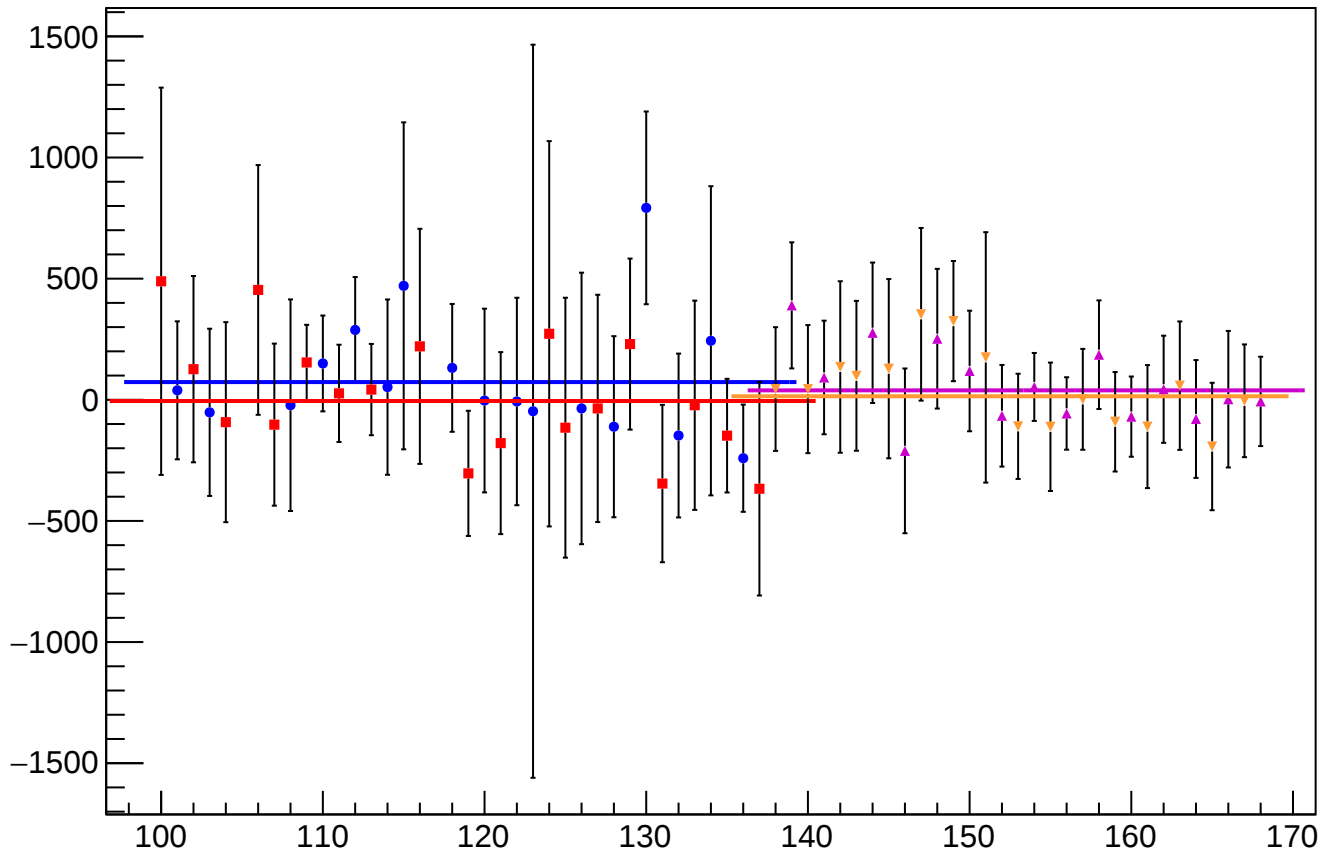
Right: 139.526+/-0.028 χ^2/NDF : 1802277.5/35

In: 157.565+/-0.027 χ^2/NDF : 1611689.3/31

Out: 155.661+/-0.026 χ^2/NDF : 2017687.2/34

All: 156.591+/-0.019 χ^2/NDF : 3631919.4/66

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109 $\pm$ 79.604 χ^2 /NDF: 7.9/16

Left Out: 14.495 $\pm$ 66.202 χ^2 /NDF:4.6/15

Right Out: -5.021 $\pm$ 70.098 χ^2 /NDF: 7.1/18

Left In: 38.967 $\pm$ 54.576 χ^2 /NDF:5.6/14

Left: 29.065 $\pm$ 42.111 χ^2 /NDF: 10.2/30

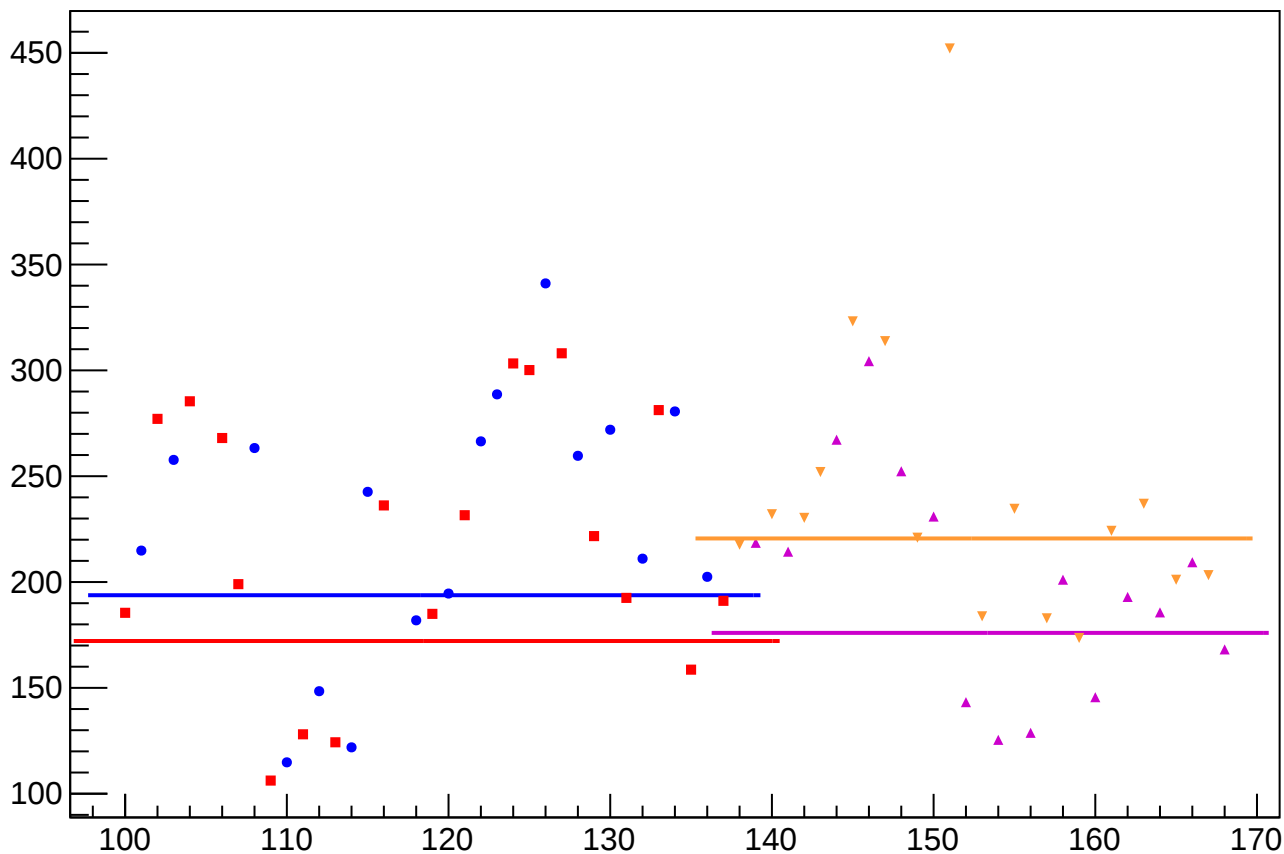
Right: 29.103 $\pm$ 52.608 χ^2 /NDF: 15.5/35

In: 49.884 $\pm$ 45.013 χ^2 /NDF:13.6/31

Out: 5.295 $\pm$ 48.130 χ^2 /NDF:11.7/34

All: 29.080 $\pm$ 32.876 χ^2 /NDF: 25.7/66

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 ± 0.056 χ^2/NDF : 1017081.7/16

Left Out: 220.592 ± 0.047 χ^2/NDF : 981651.5/15

Right Out: 172.142 ± 0.050 χ^2/NDF : 1580035.1/18

Left In: 175.980 ± 0.039 χ^2/NDF : 1475089.1/14

Left: 194.031 ± 0.030 χ^2/NDF : 2997479.0/30

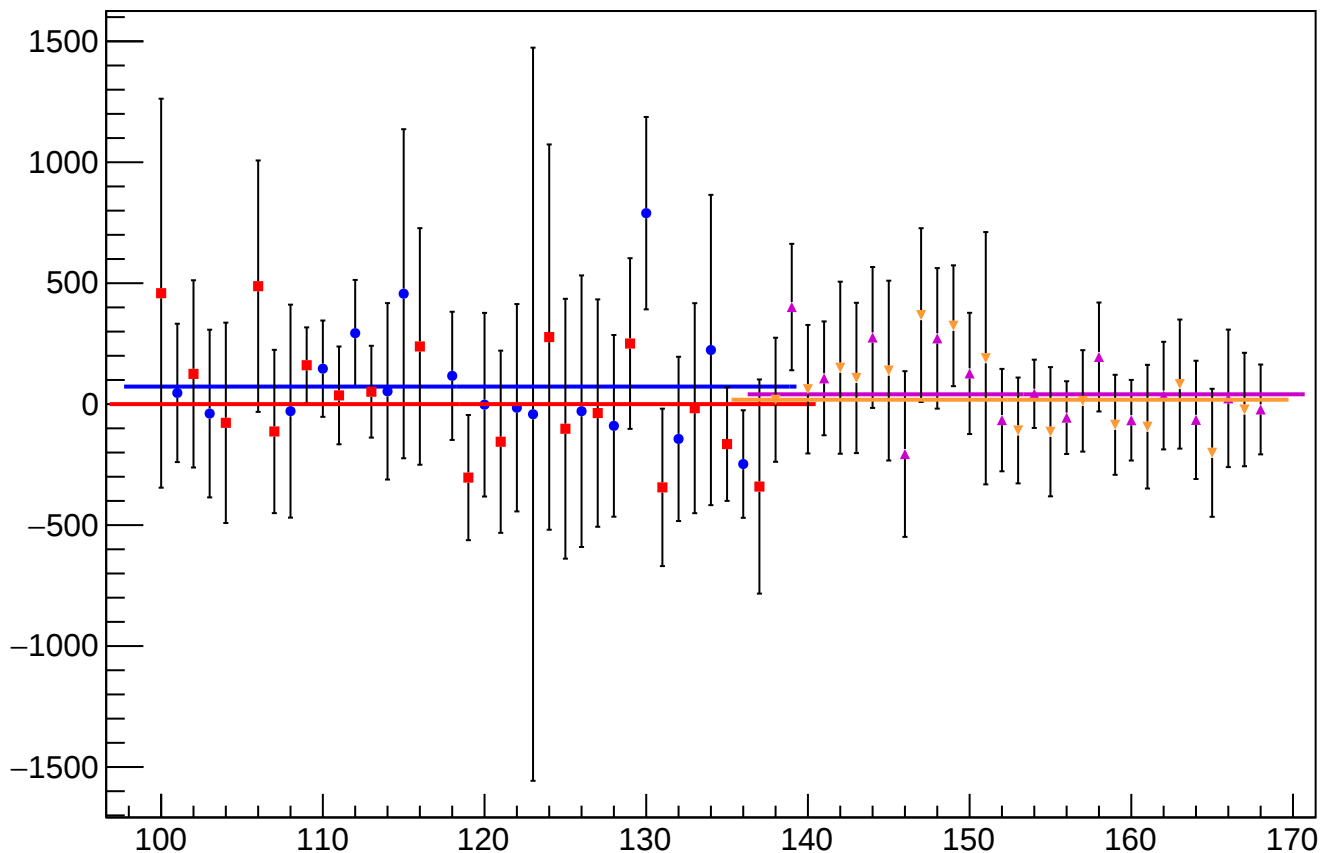
Right: 181.589 ± 0.037 χ^2/NDF : 2680292.0/35

In: 181.669 ± 0.032 χ^2/NDF : 2560141.2/31

Out: 197.751 ± 0.034 χ^2/NDF : 3066696.3/34

All: 189.172 ± 0.023 χ^2/NDF : 5745947.0/66

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 18.337+/-66.634 χ^2/NDF : 4.7/15

Right Out: 0.181+/-70.467 χ^2/NDF : 7.3/18

Left In: 40.748+/-54.915 χ^2/NDF : 5.8/14

Left: 31.683+/-42.378 χ^2/NDF : 10.5/30

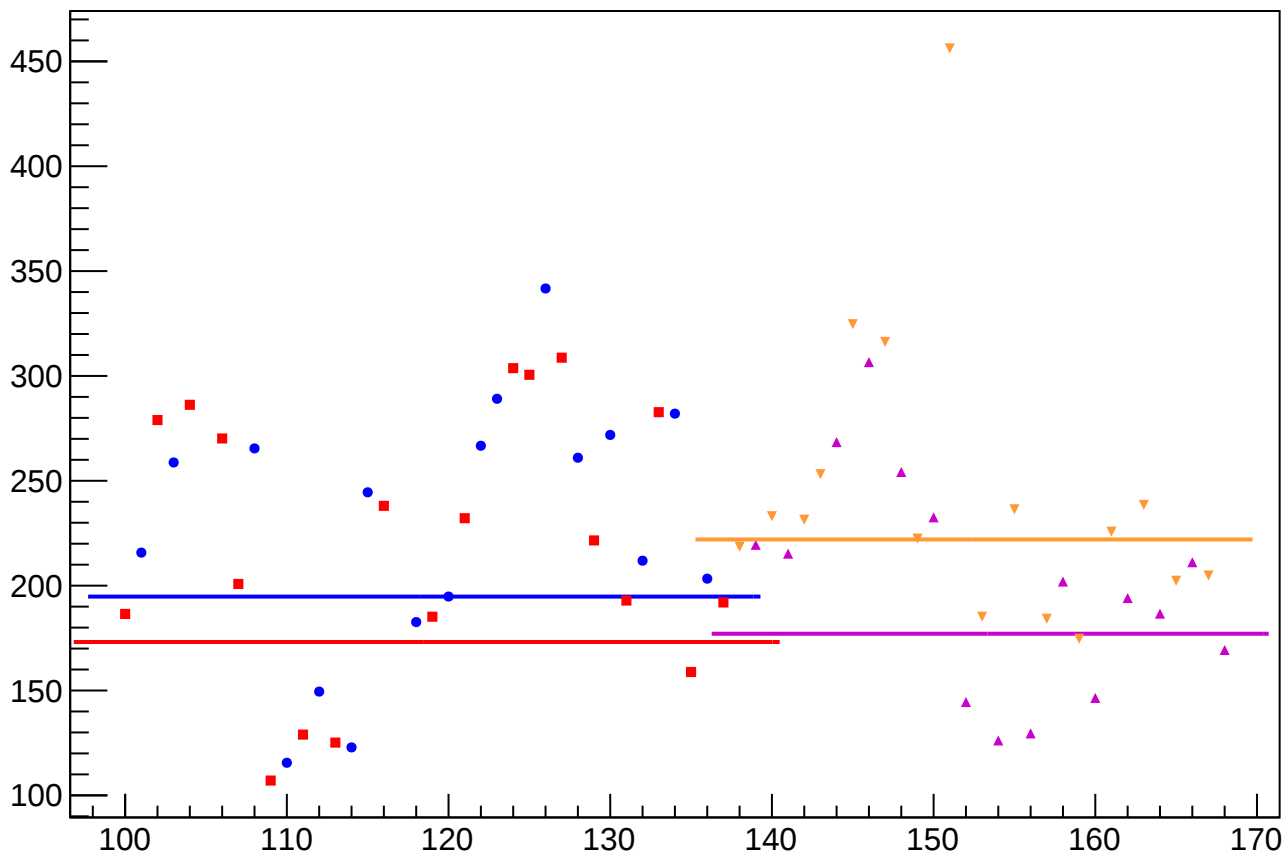
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 50.975+/-45.273 χ^2/NDF : 13.6/31

Out: 9.766+/-48.416 χ^2/NDF : 12.0/34

All: 31.751+/-33.068 χ^2/NDF : 26.0/66

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 222.028 $\pm$ 0.047 χ^2 /NDF:980812.2/15

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

Left In: 177.071 $\pm$ 0.039 χ^2 /NDF:1473596.4/14

Left: 195.255 $\pm$ 0.030 χ^2 /NDF: 2996558.6/30

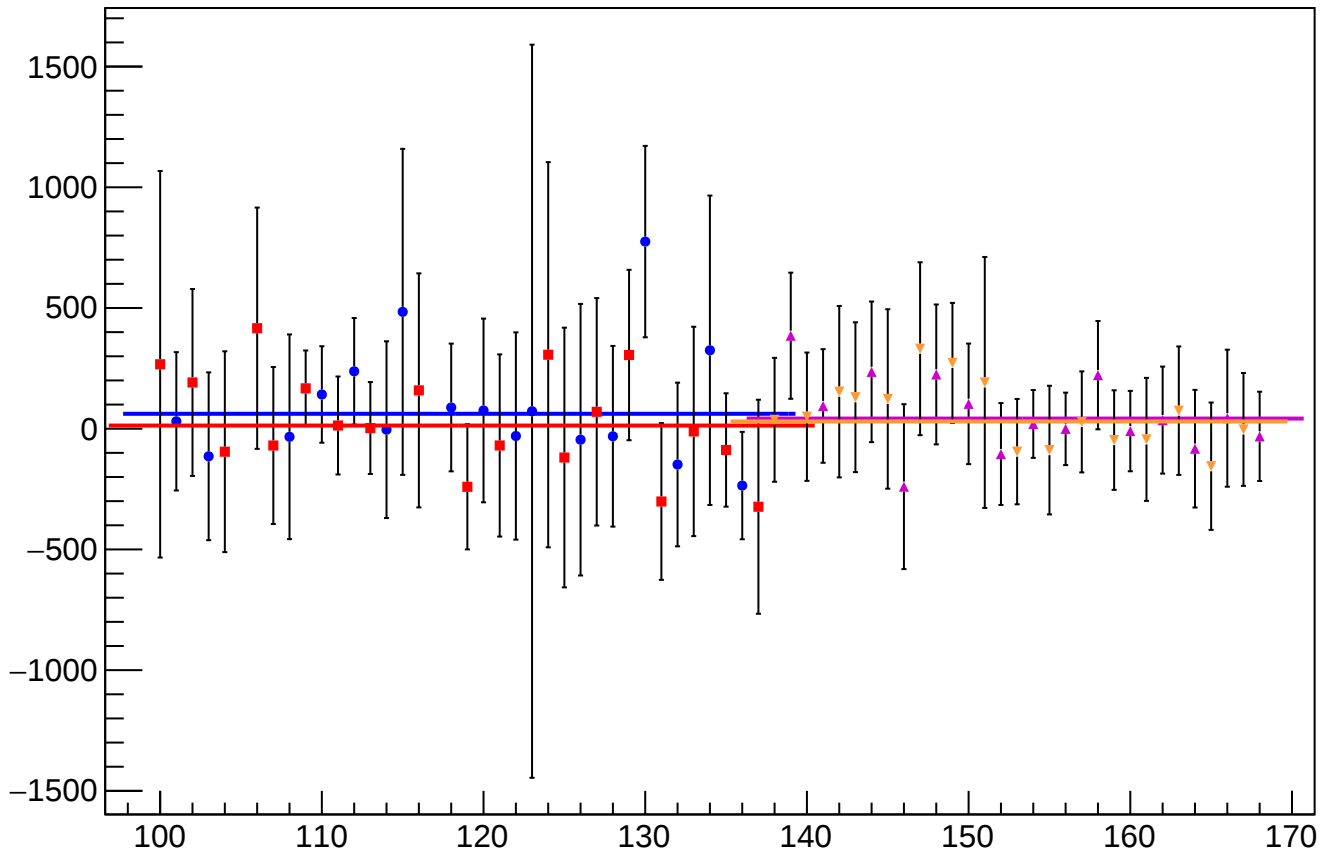
Right: 182.592 $\pm$ 0.037 χ^2 /NDF: 2658346.9/35

In: 182.745 $\pm$ 0.032 χ^2 /NDF:2548526.6/31

Out: 198.945 $\pm$ 0.034 χ^2 /NDF:3056756.8/34

All: 190.302 $\pm$ 0.023 χ^2 /NDF: 5724753.5/66

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2/NDF : 7.3/16

Left Out: 30.119 $\pm$ 66.480 χ^2/NDF : 3.3/15

Right Out: 13.101 $\pm$ 70.391 χ^2/NDF : 5.8/18

Left In: 42.057 $\pm$ 54.774 χ^2/NDF : 5.1/14

Left: 37.230 $\pm$ 42.274 χ^2/NDF : 8.5/30

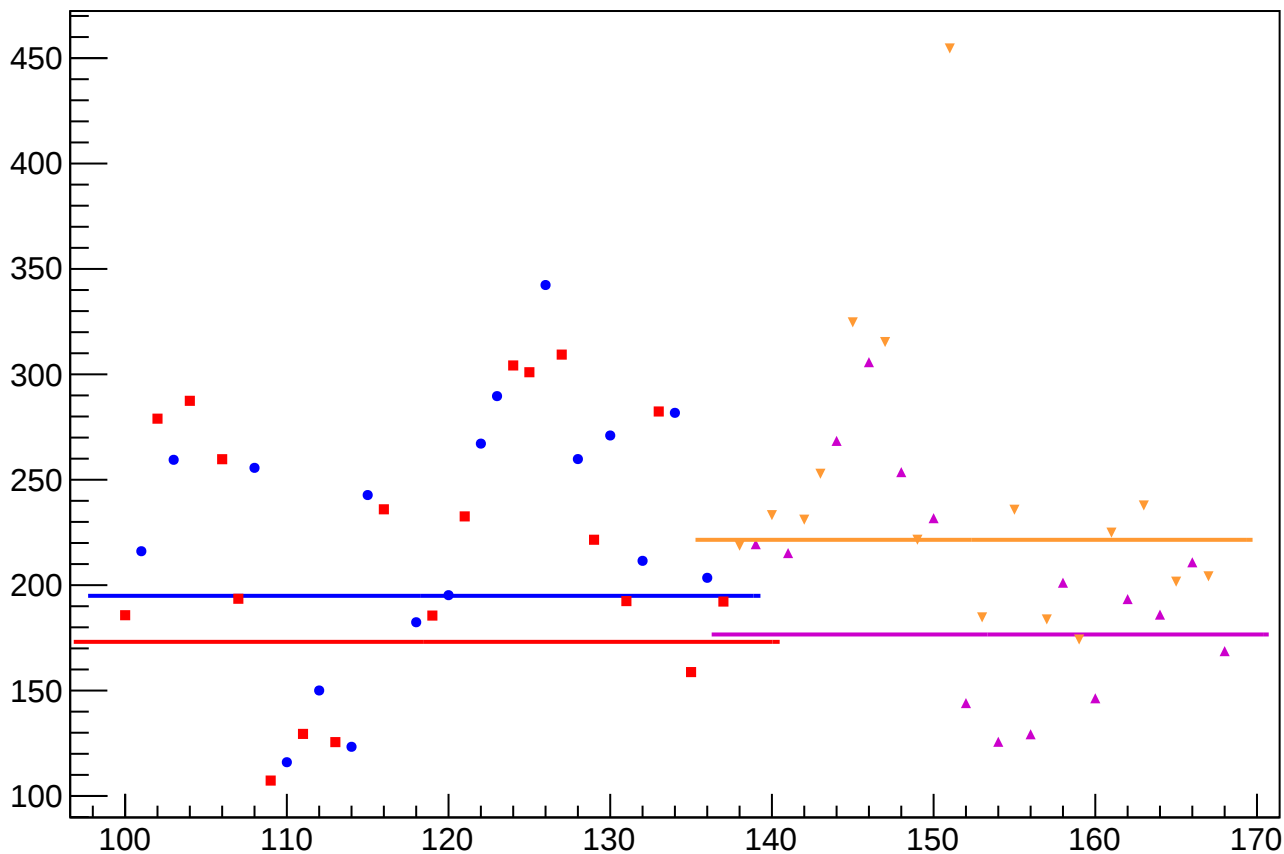
Right: 34.362 $\pm$ 52.842 χ^2/NDF : 13.2/35

In: 48.365 $\pm$ 45.193 χ^2/NDF : 12.4/31

Out: 22.096 $\pm$ 48.332 χ^2/NDF : 9.1/34

All: 36.111 $\pm$ 33.010 χ^2/NDF : 21.7/66

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 221.506 $\pm$ 0.047 χ^2 /NDF: 982806.1/15

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

Left In: 176.604 $\pm$ 0.039 χ^2 /NDF: 1477412.6/14

Left: 194.760 $\pm$ 0.030 χ^2 /NDF: 3003669.4/30

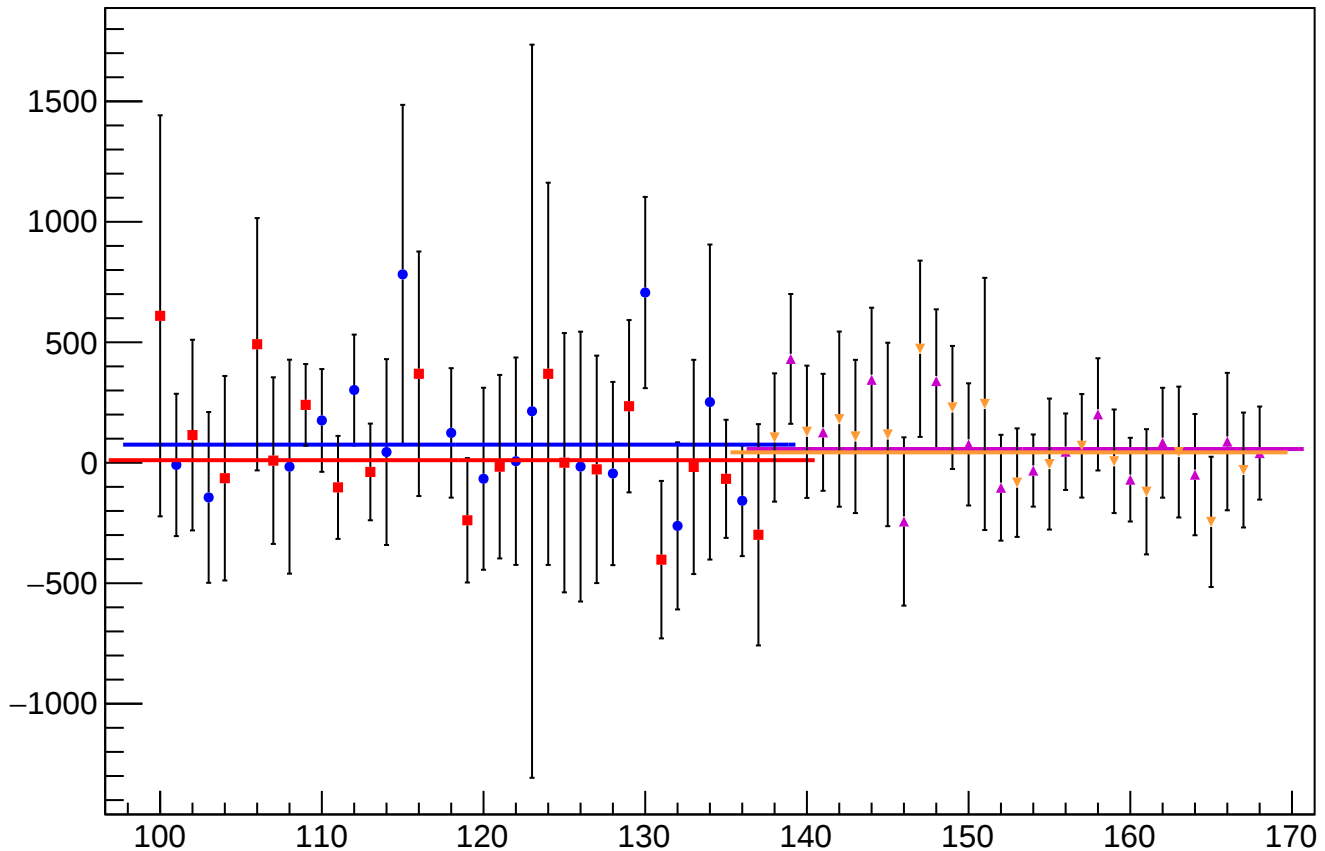
Right: 182.637 $\pm$ 0.037 χ^2 /NDF: 2615306.2/35

In: 182.457 $\pm$ 0.032 χ^2 /NDF: 2535579.3/31

Out: 198.689 $\pm$ 0.034 χ^2 /NDF: 3027244.0/34

All: 190.029 $\pm$ 0.023 χ^2 /NDF: 5683170.0/66

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 43.311 $\pm$ 68.298 χ^2 /NDF:4.5/15

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: 57.007 $\pm$ 57.008 χ^2 /NDF:6.6/14

Left: 51.383 $\pm$ 43.765 χ^2 /NDF: 11.1/30

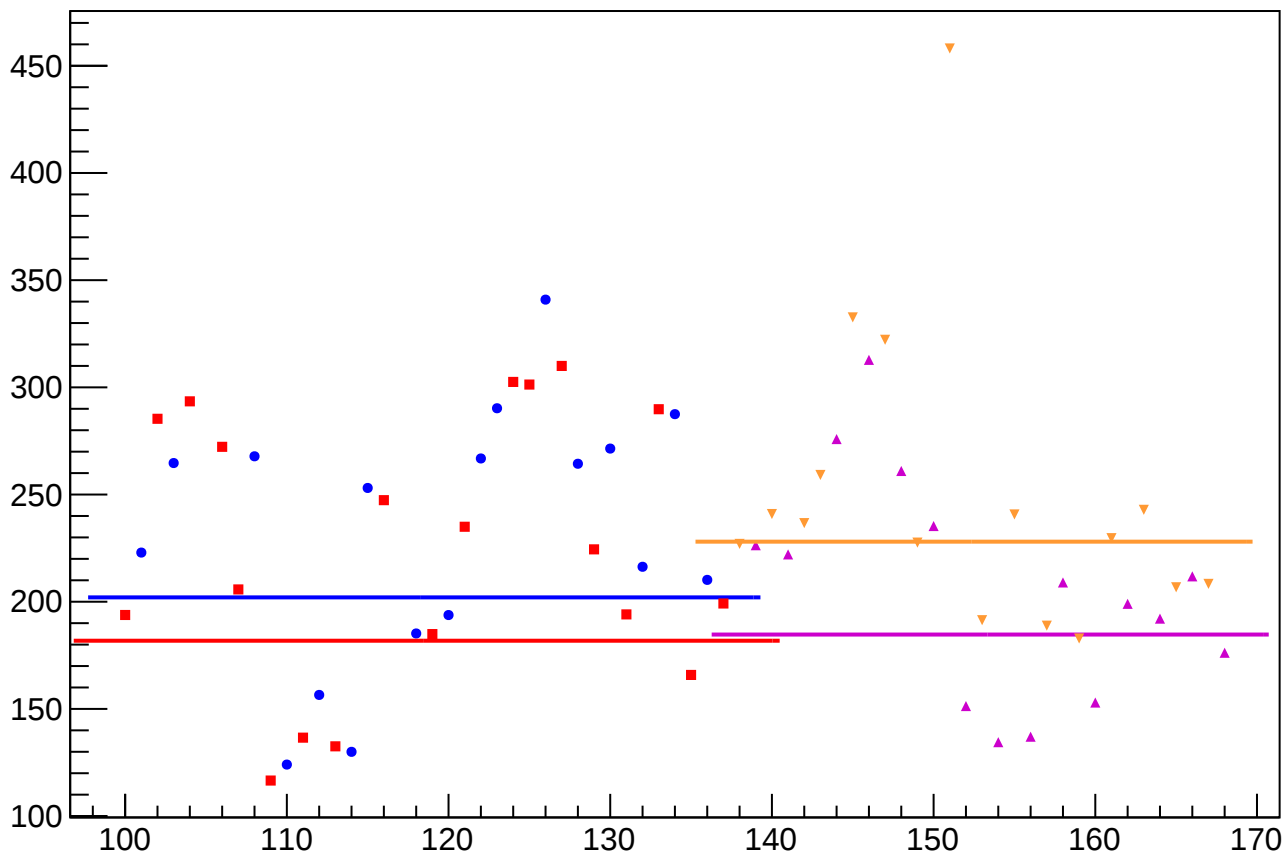
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 62.888 $\pm$ 46.901 χ^2 /NDF:14.3/31

Out: 28.152 $\pm$ 49.981 χ^2 /NDF:12.4/34

All: 46.623 $\pm$ 34.201 χ^2 /NDF: 26.9/66

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 228.021 $\pm$ 0.048 χ^2 /NDF: 938961.1/15

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

Left In: 184.690 $\pm$ 0.040 χ^2 /NDF: 1332654.0/14

Left: 202.483 $\pm$ 0.031 χ^2 /NDF: 2746075.8/30

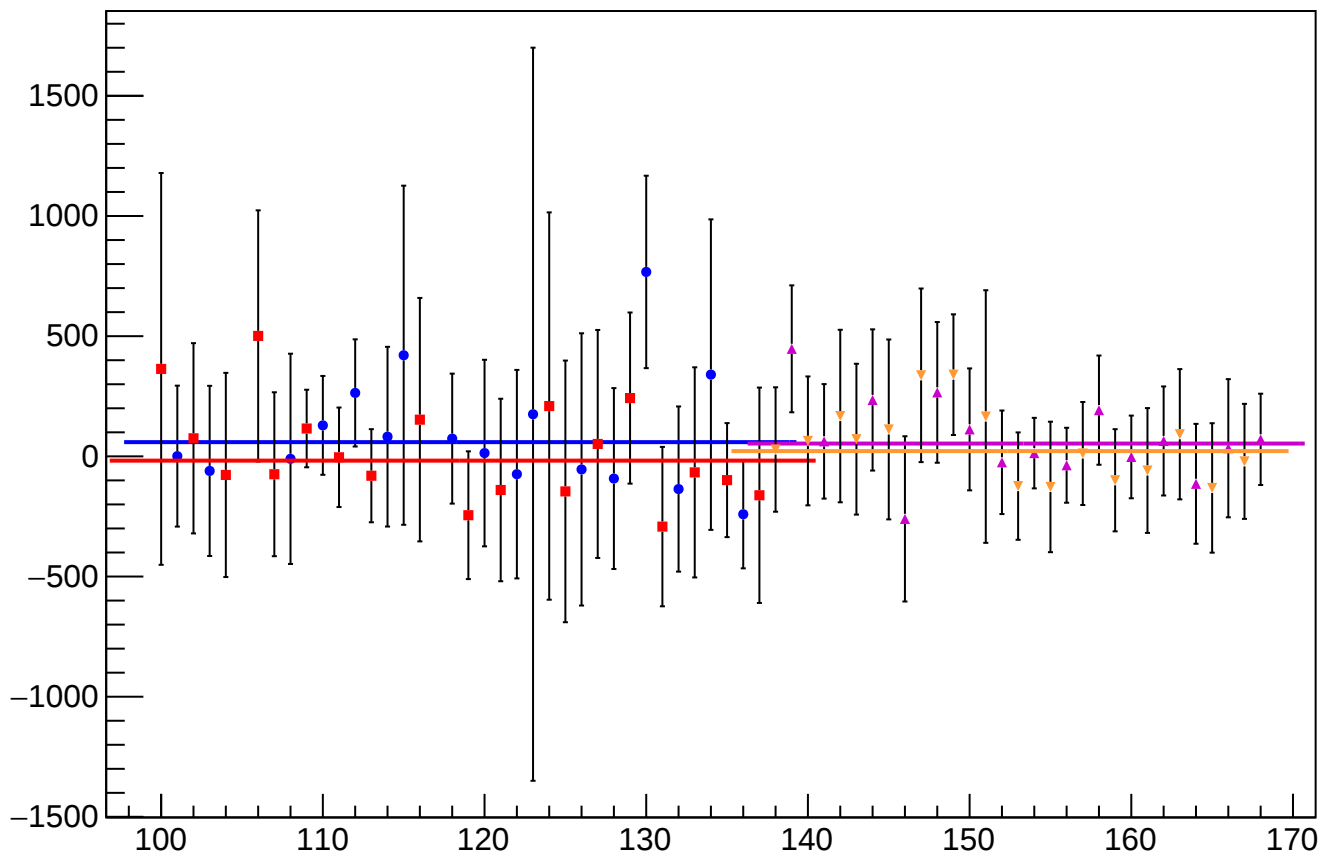
Right: 190.735 $\pm$ 0.039 χ^2 /NDF: 2326235.8/35

In: 190.293 $\pm$ 0.033 χ^2 /NDF: 2274050.3/31

Out: 206.558 $\pm$ 0.035 χ^2 /NDF: 2741735.0/34

All: 197.909 $\pm$ 0.024 χ^2 /NDF: 5128413.6/66

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2/NDF : 7.1/16

Left Out: 21.916 $\pm$ 67.679 χ^2/NDF : 4.3/15

Right Out: -17.727 $\pm$ 71.900 χ^2/NDF : 4.7/18

Left In: 53.278 $\pm$ 56.177 χ^2/NDF : 5.5/14

Left: 40.485 $\pm$ 43.226 χ^2/NDF : 9.9/30

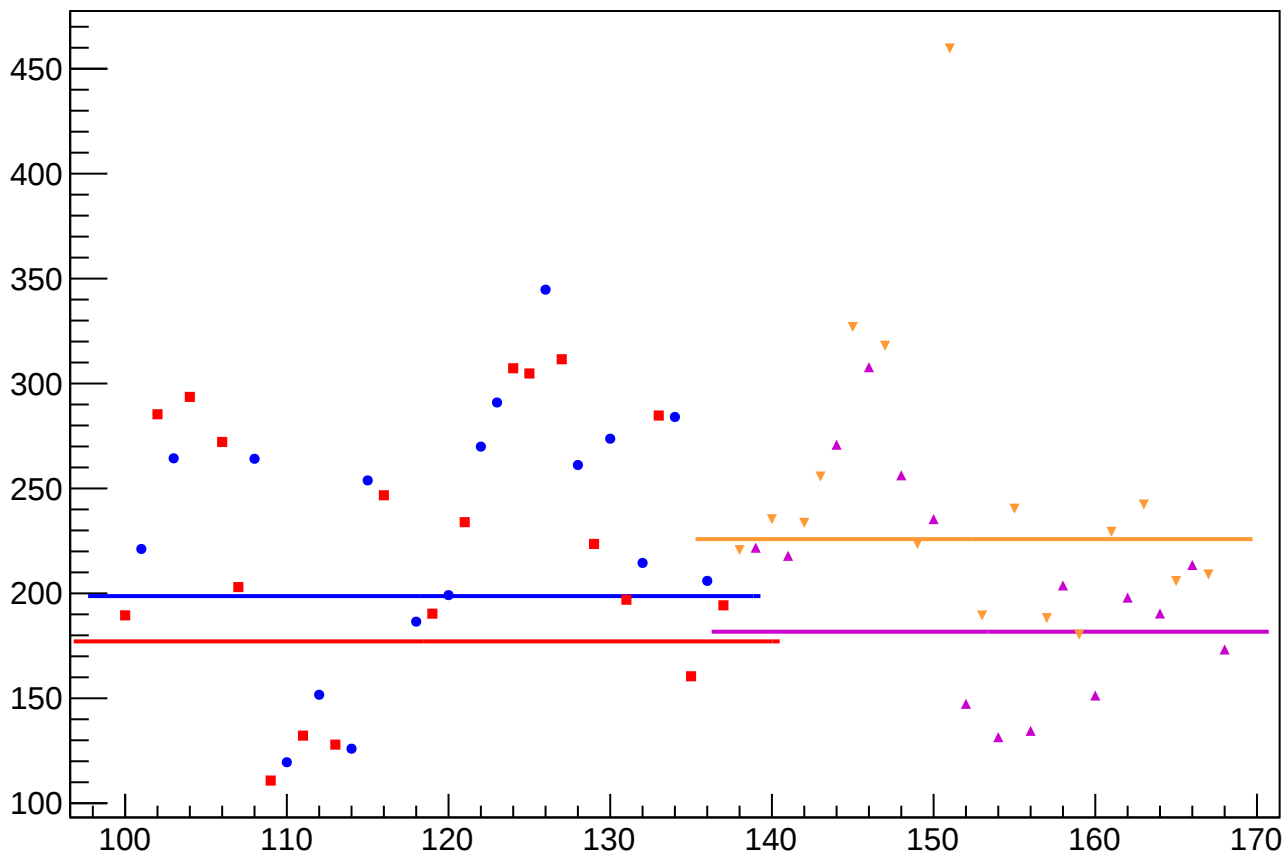
Right: 15.968 $\pm$ 53.893 χ^2/NDF : 12.3/35

In: 55.180 $\pm$ 46.238 χ^2/NDF : 12.7/31

Out: 3.292 $\pm$ 49.281 χ^2/NDF : 9.1/34

All: 30.887 $\pm$ 33.720 χ^2/NDF : 22.4/66

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704+/-0.058 χ^2/NDF : 963394.4/16

Left Out: 225.854+/-0.048 χ^2/NDF : 935405.8/15

Right Out: 177.125+/-0.051 χ^2/NDF : 1524889.9/18

Left In: 181.744+/-0.040 χ^2/NDF : 1355674.0/14

Left: 199.738+/-0.031 χ^2/NDF : 2794079.6/30

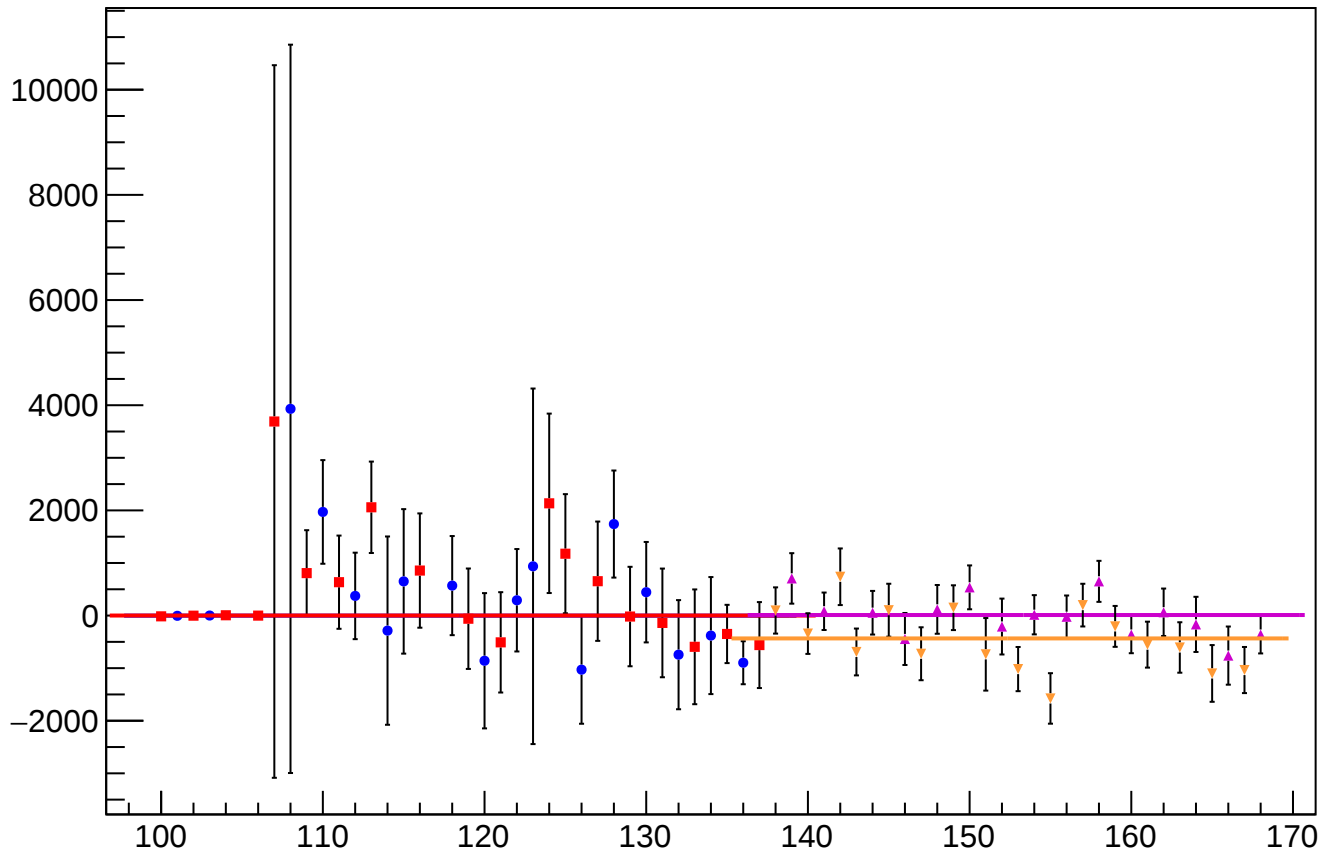
Right: 186.580+/-0.038 χ^2/NDF : 2567217.8/35

In: 187.214+/-0.033 χ^2/NDF : 2377857.3/31

Out: 202.962+/-0.035 χ^2/NDF : 2947382.7/34

All: 194.587+/-0.024 χ^2/NDF : 5433846.2/66

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -434.641 ± 114.124 χ^2/NDF : 24.1/15

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

Left In: 10.466 ± 109.438 χ^2/NDF : 11.8/14

Left: -202.763 ± 78.989 χ^2/NDF : 43.8/30

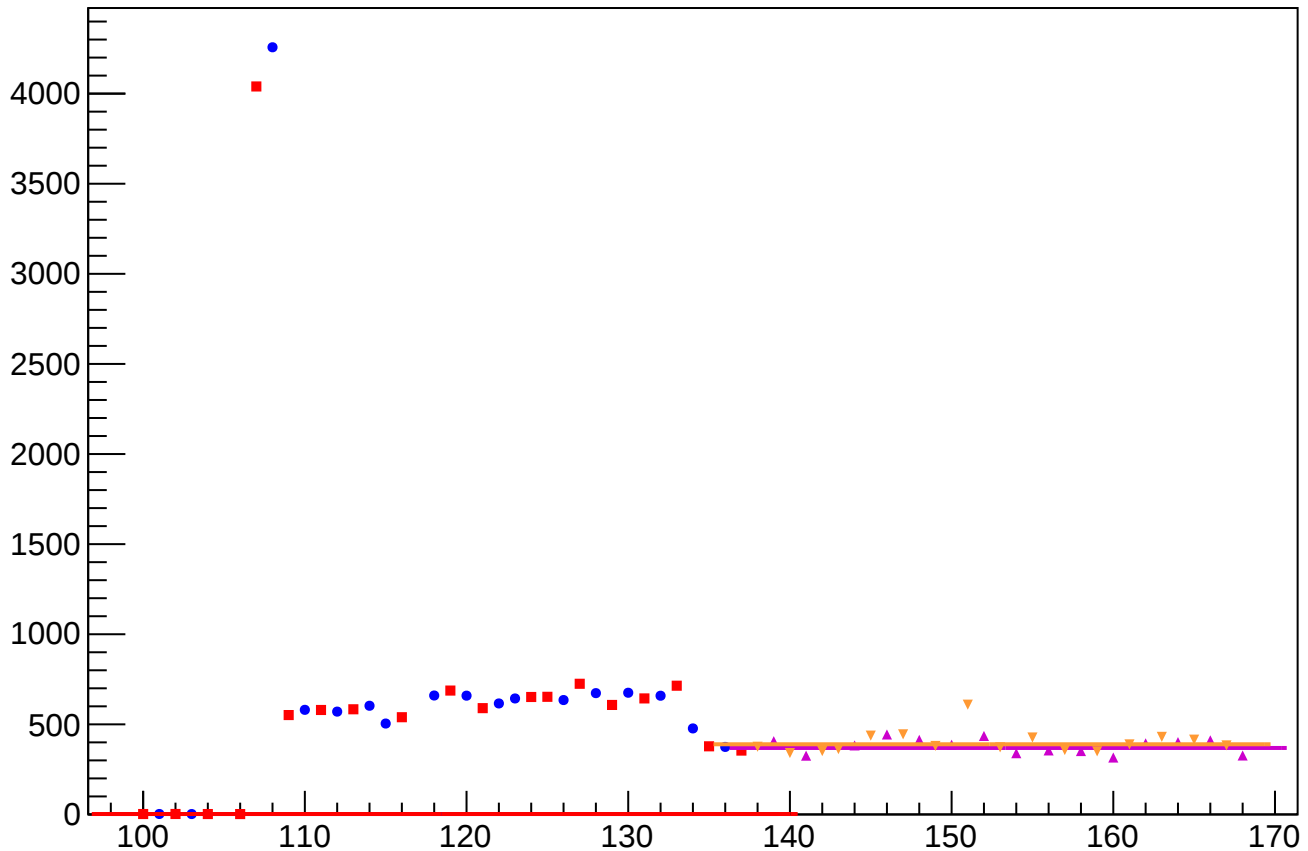
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.524 ± 2.251 χ^2/NDF : 28.4/31

Out: 0.583 ± 2.111 χ^2/NDF : 57.0/34

All: -0.403 ± 1.540 χ^2/NDF : 85.9/66

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456 ± 0.002 χ^2/NDF : 10706347.4/16

Left Out: 389.460 ± 0.081 χ^2/NDF : 364790.3/15

Right Out: 2.437 ± 0.001 χ^2/NDF : 11140185.1/18

Left In: 368.972 ± 0.077 χ^2/NDF : 259576.4/14

Left: 378.787 ± 0.056 χ^2/NDF : 657945.6/30

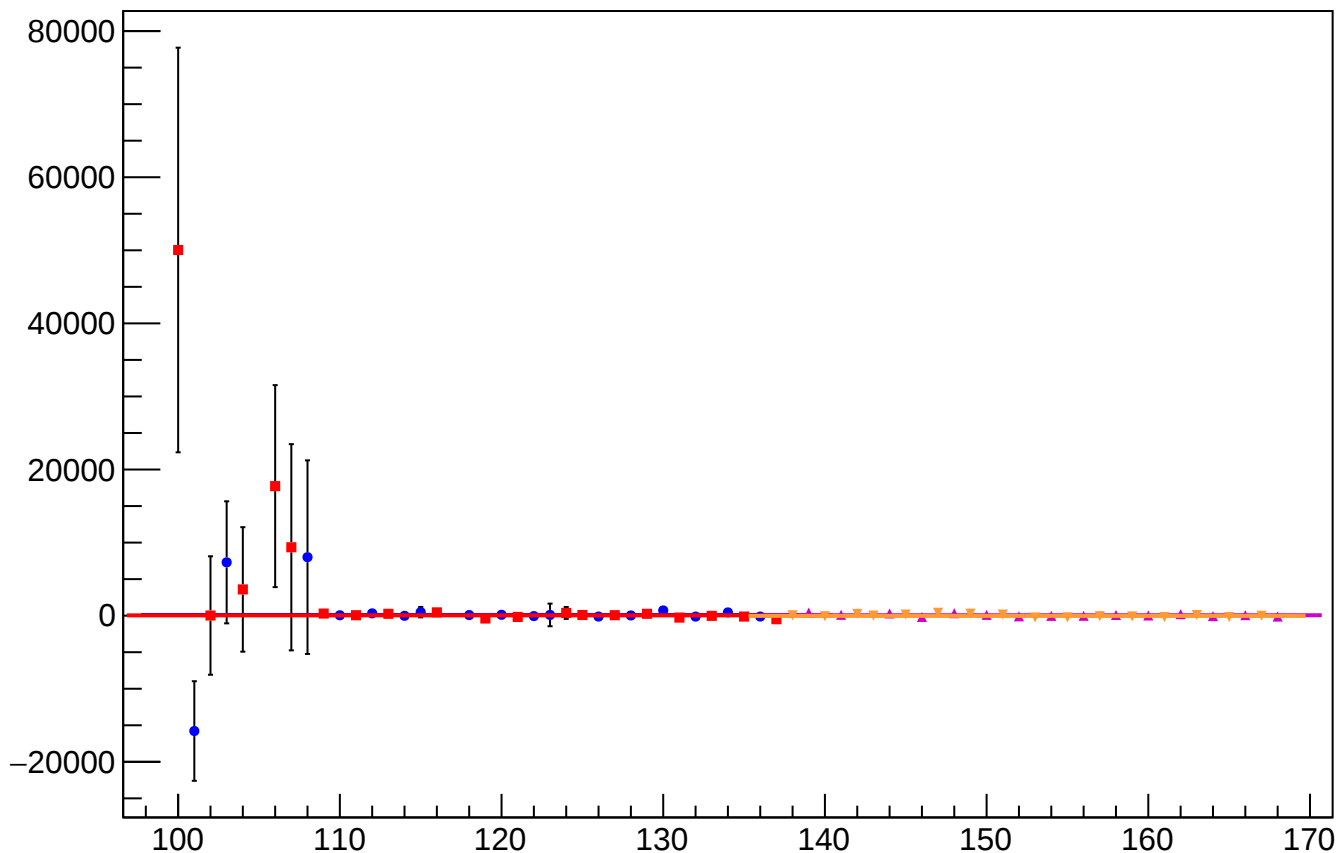
Right: 2.446 ± 0.001 χ^2/NDF : 21846612.0/35

In: 2.611 ± 0.002 χ^2/NDF : 33388891.0/31

Out: 2.569 ± 0.001 χ^2/NDF : 34498346.3/34

All: 2.589 ± 0.001 χ^2/NDF : 67887610.1/66

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -28.145+/-70.264 χ^2/NDF : 5.8/15

Right Out: 42.617+/-84.547 χ^2/NDF : 14.0/18

Left In: 57.558+/-59.673 χ^2/NDF : 6.2/14

Left: 21.646+/-45.484 χ^2/NDF : 12.9/30

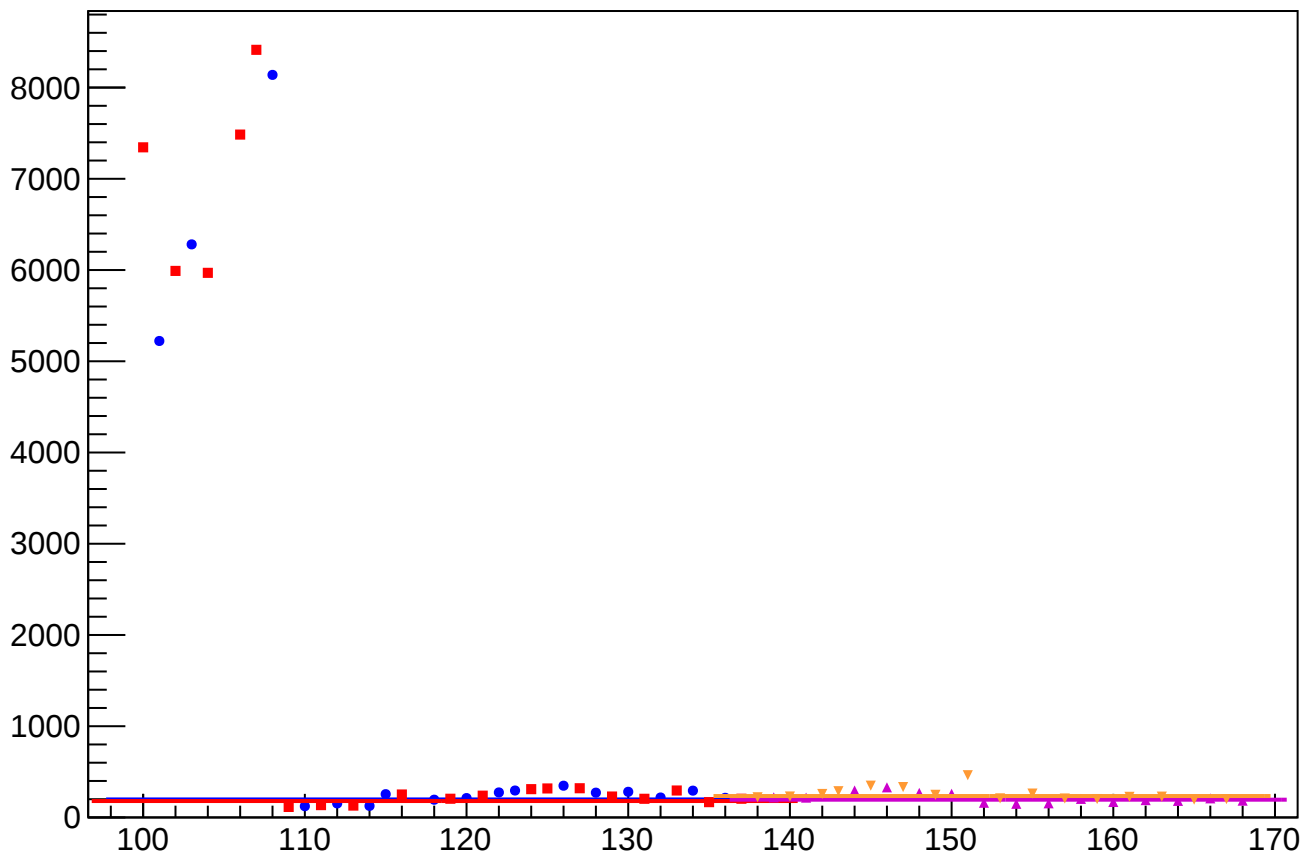
Right: 66.846+/-62.161 χ^2/NDF : 26.2/35

In: 68.800+/-50.017 χ^2/NDF : 18.3/31

Out: 0.763+/-54.038 χ^2/NDF : 20.2/34

All: 37.407+/-36.707 χ^2/NDF : 39.4/66

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 234.906+/-0.050 χ^2/NDF : 933330.0/15

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

Left In: 194.702+/-0.042 χ^2/NDF : 1071267.7/14

Left: 211.549+/-0.032 χ^2/NDF : 2385005.8/30

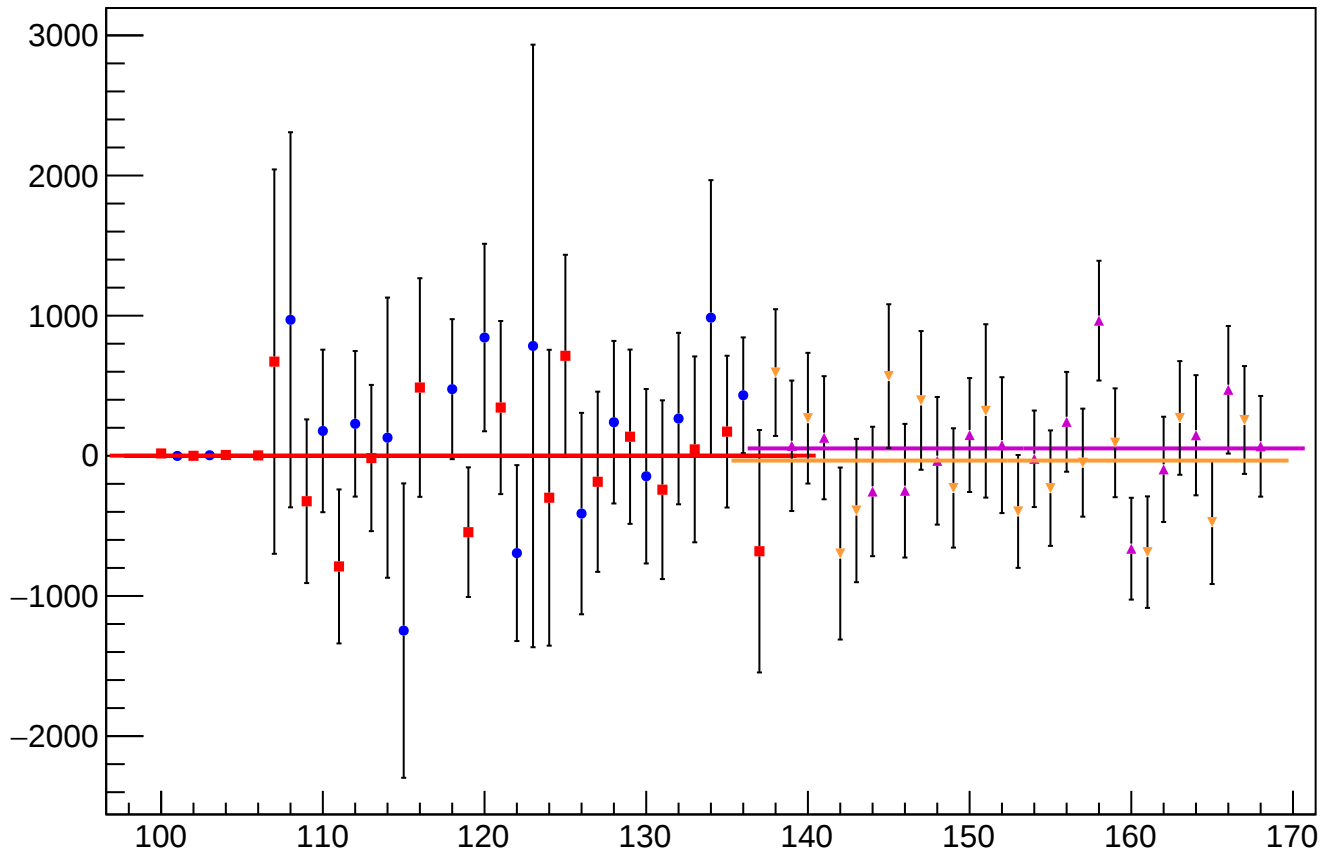
Right: 187.995+/-0.044 χ^2/NDF : 8056346.9/35

In: 195.511+/-0.035 χ^2/NDF : 4768351.9/31

Out: 212.469+/-0.038 χ^2/NDF : 5753948.7/34

All: 203.335+/-0.026 χ^2/NDF : 10628374.3/66

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -33.744 ± 110.646 χ^2/NDF : 12.6/15

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.5/18

Left In: 52.805 ± 106.302 χ^2/NDF : 10.8/14

Left: 11.262 ± 76.657 χ^2/NDF : 23.7/30

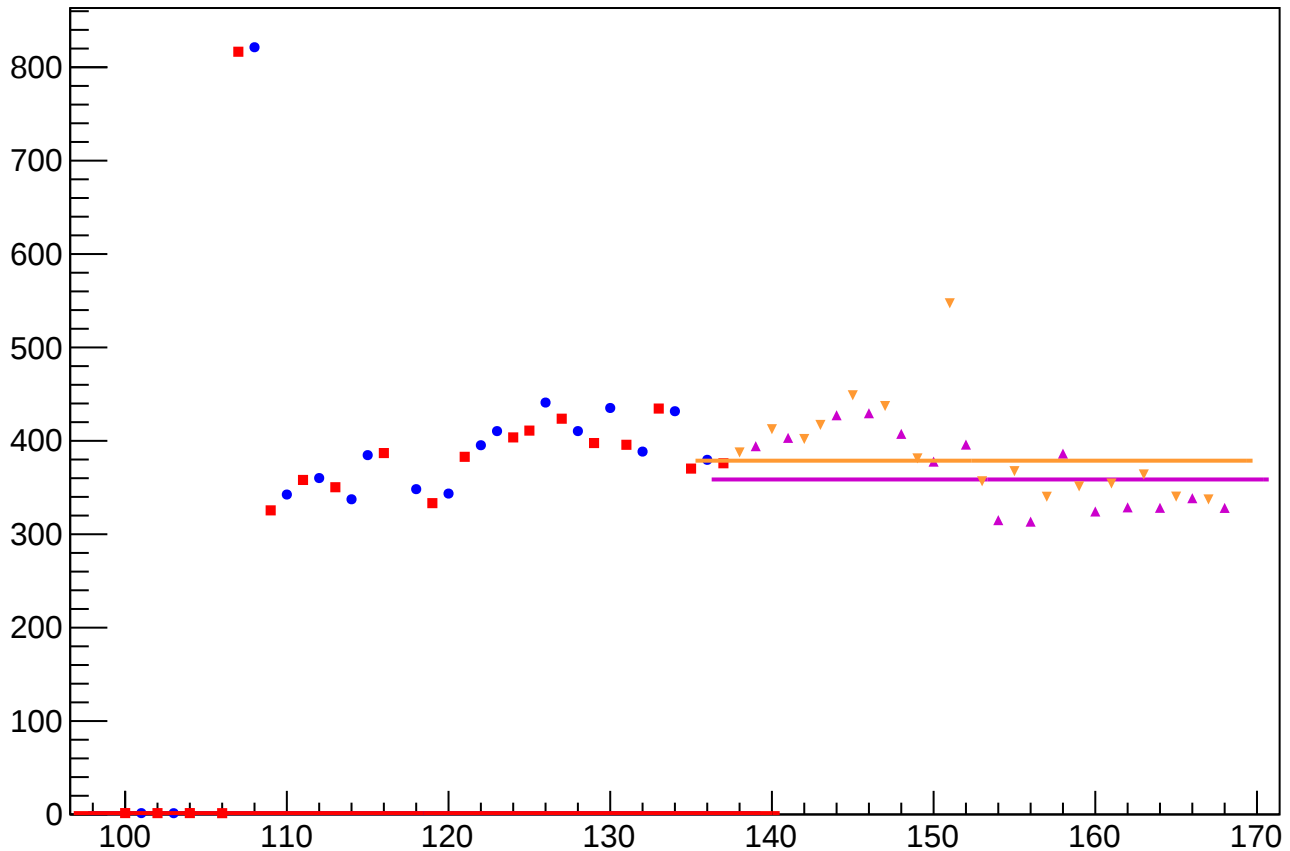
Right: 0.642 ± 1.186 χ^2/NDF : 19.7/35

In: -0.125 ± 1.736 χ^2/NDF : 20.8/31

Out: 1.316 ± 1.622 χ^2/NDF : 22.2/34

All: 0.645 ± 1.185 χ^2/NDF : 43.4/66

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10815892.9/16

Left Out: 378.765 $\pm$ 0.078 χ^2 /NDF: 325358.6/15

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10873552.2/18

Left In: 358.644 $\pm$ 0.075 χ^2 /NDF: 291349.7/14

Left: 368.302 $\pm$ 0.054 χ^2 /NDF: 651103.0/30

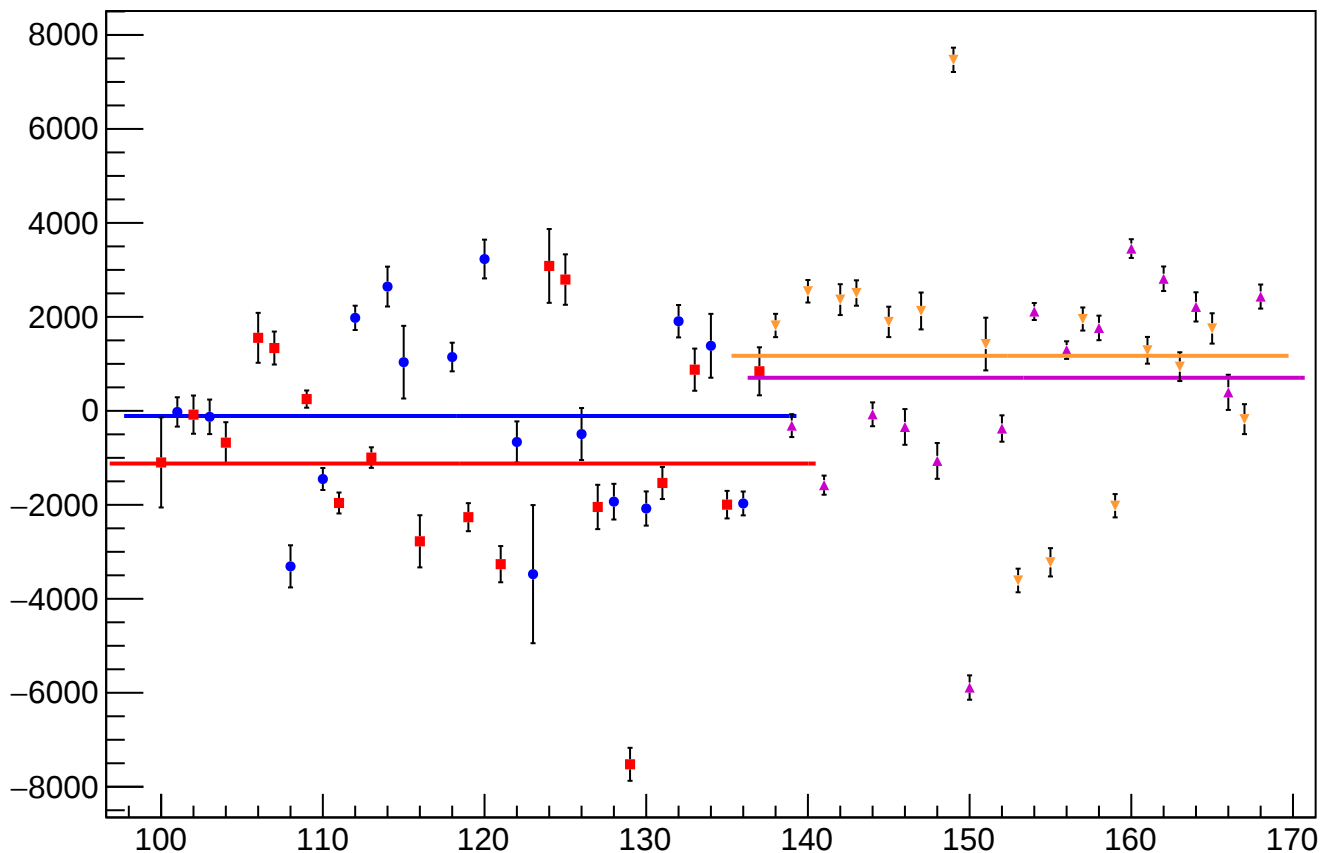
Right: 1.452 $\pm$ 0.001 χ^2 /NDF: 21689445.7/35

In: 1.548 $\pm$ 0.001 χ^2 /NDF: 33682344.5/31

Out: 1.532 $\pm$ 0.001 χ^2 /NDF: 34451680.0/34

All: 1.539 $\pm$ 0.001 χ^2 /NDF: 68134108.0/66

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225±/87.961 χ^2/NDF : 428.3/16

Left Out: 1171.739±/72.022 χ^2/NDF :1453.1/15

Right Out: -1121.203±/78.396 χ^2/NDF : 670.1/18

Left In: 704.026±/64.010 χ^2/NDF :1254.5/14

Left: 910.428±/47.845 χ^2/NDF : 2731.2/30

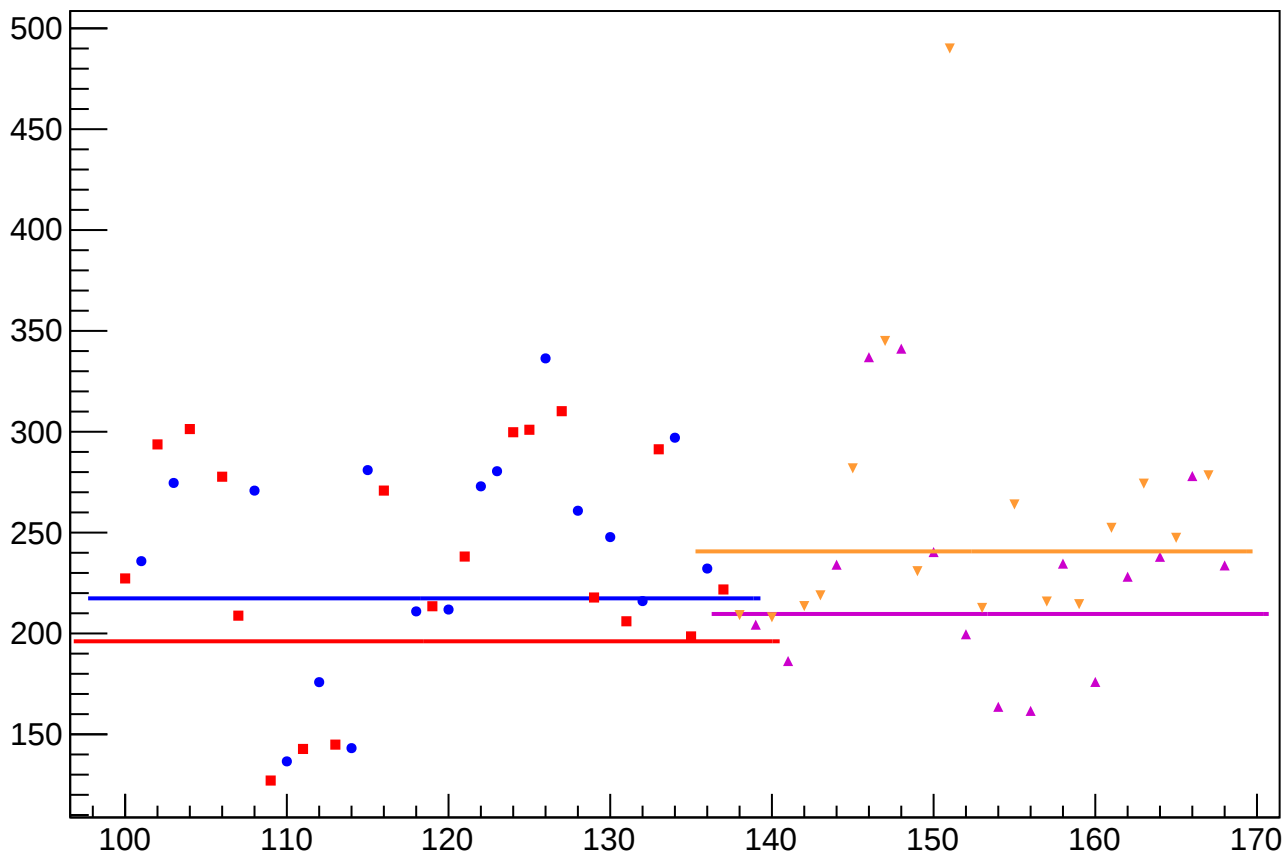
Right: -673.210±/58.525 χ^2/NDF : 1172.2/35

In: 422.468±/51.756 χ^2/NDF :1738.8/31

Out: 122.255±/53.038 χ^2/NDF :2587.1/34

All: 276.032±/37.042 χ^2/NDF : 4342.2/66

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 240.682 $\pm$ 0.051 χ^2 /NDF:803627.1/15

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

Left In: 209.663 $\pm$ 0.045 χ^2 /NDF:985919.3/14

Left: 223.352 $\pm$ 0.034 χ^2 /NDF: 1996821.6/30

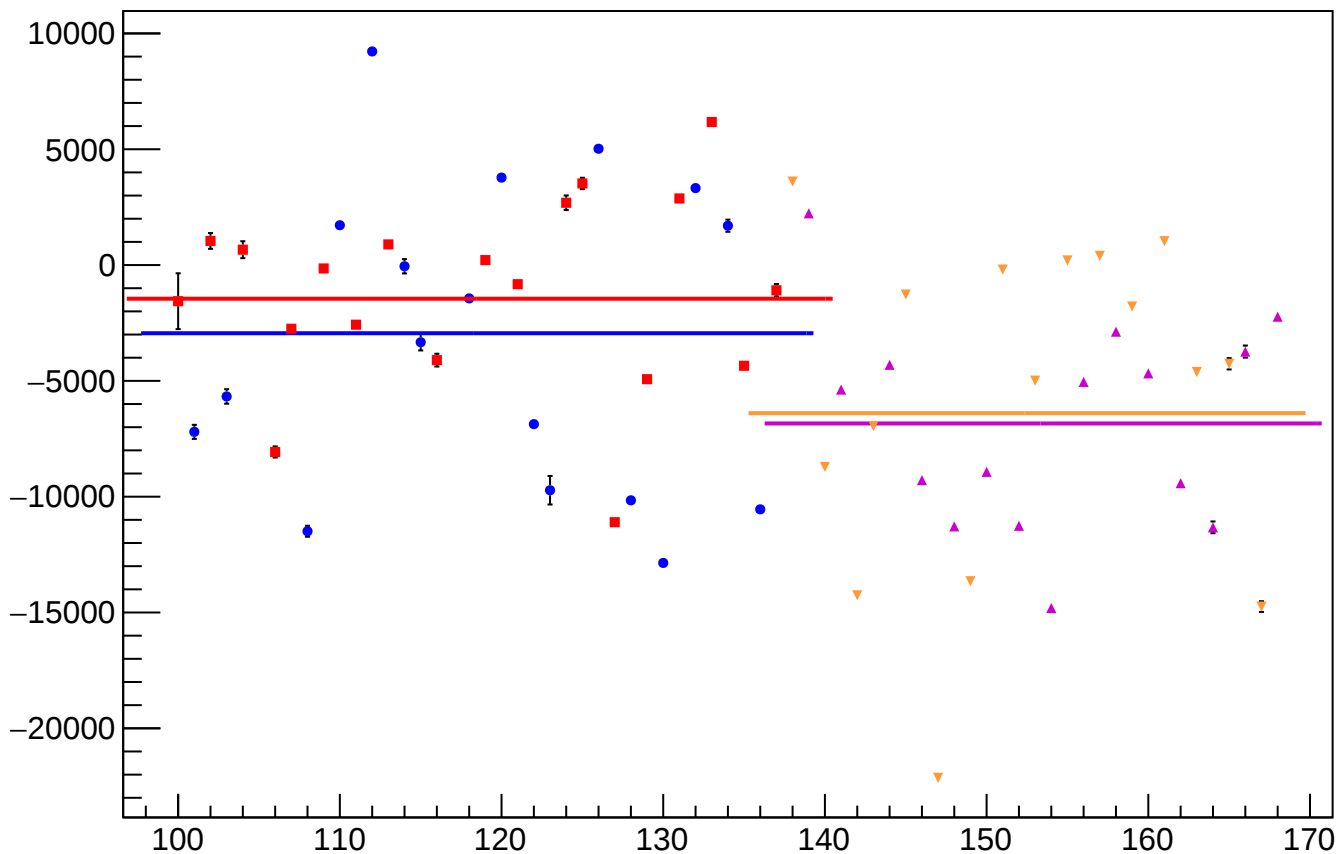
Right: 205.537 $\pm$ 0.041 χ^2 /NDF: 1908796.2/35

In: 212.342 $\pm$ 0.037 χ^2 /NDF:1648676.8/31

Out: 220.282 $\pm$ 0.038 χ^2 /NDF:2345054.0/34

All: 216.215 $\pm$ 0.026 χ^2 /NDF: 4016690.6/66

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -6393.411+/-39.657 χ^2/NDF : 35421.2/15

Right Out: -1453.116+/-46.404 χ^2/NDF : 7996.0/18

Left In: -6838.695+/-40.362 χ^2/NDF : 11917.9/14

Left: -6612.133+/-28.288 χ^2/NDF : 47401.0/30

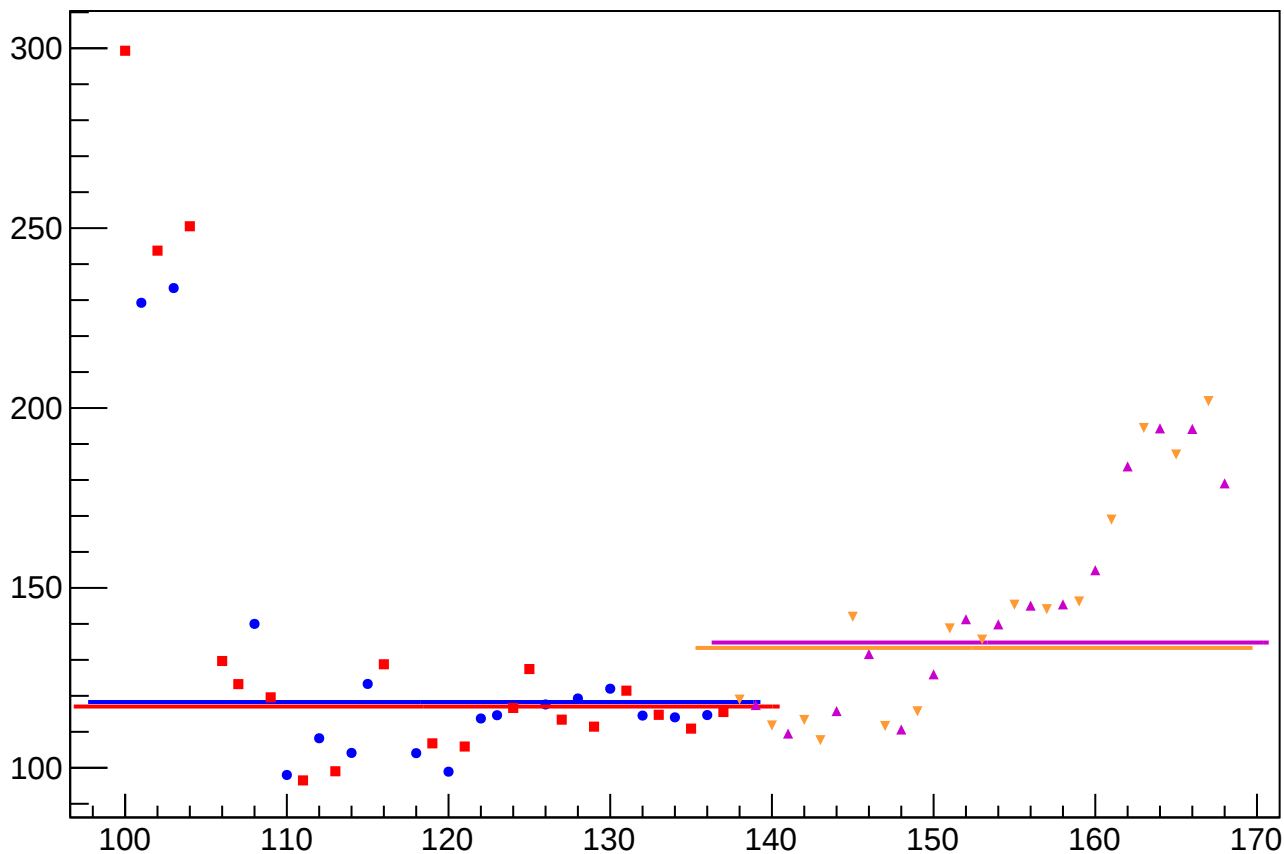
Right: -2163.502+/-33.566 χ^2/NDF : 29397.3/35

In: -5249.056+/-31.053 χ^2/NDF : 36629.0/31

Out: -4308.160+/-30.148 χ^2/NDF : 49967.5/34

All: -4764.686+/-21.631 χ^2/NDF : 87069.1/66

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 133.322+/-0.028 χ^2/NDF : 811579.7/15

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

Left In: 134.817+/-0.029 χ^2/NDF : 718324.8/14

Left: 134.056+/-0.020 χ^2/NDF : 1531299.7/30

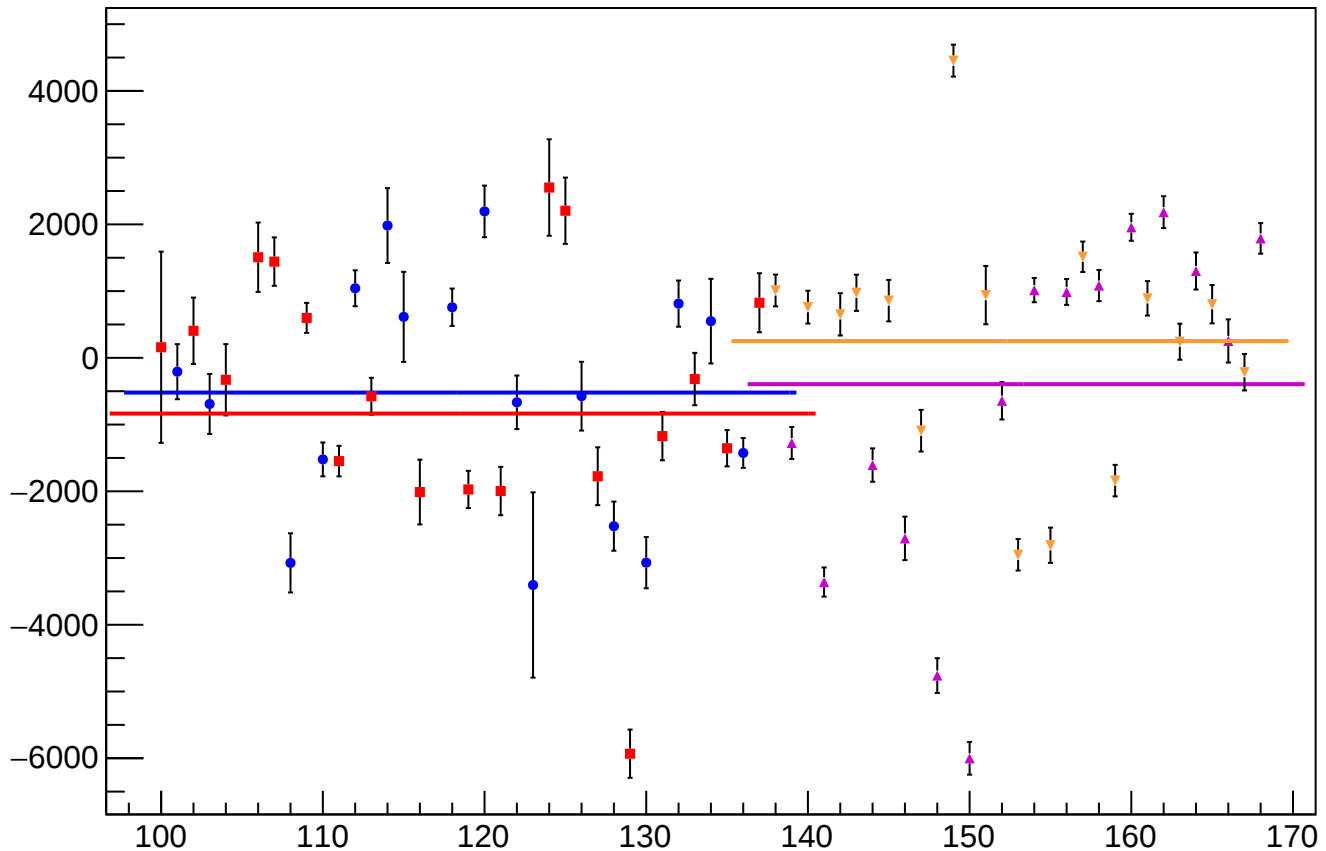
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 128.071+/-0.022 χ^2/NDF : 1492151.9/31

Out: 126.446+/-0.021 χ^2/NDF : 1644896.2/34

All: 127.235+/-0.015 χ^2/NDF : 3139867.4/66

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267±/89.241 χ^2/NDF : 288.1/16

Left Out: 252.265±/66.683 χ^2/NDF :797.0/15

Right Out: -834.834±/82.273 χ^2/NDF : 434.7/18

Left In: -394.531±/61.199 χ^2/NDF :1613.3/14

Left: -98.823±/45.088 χ^2/NDF : 2461.3/30

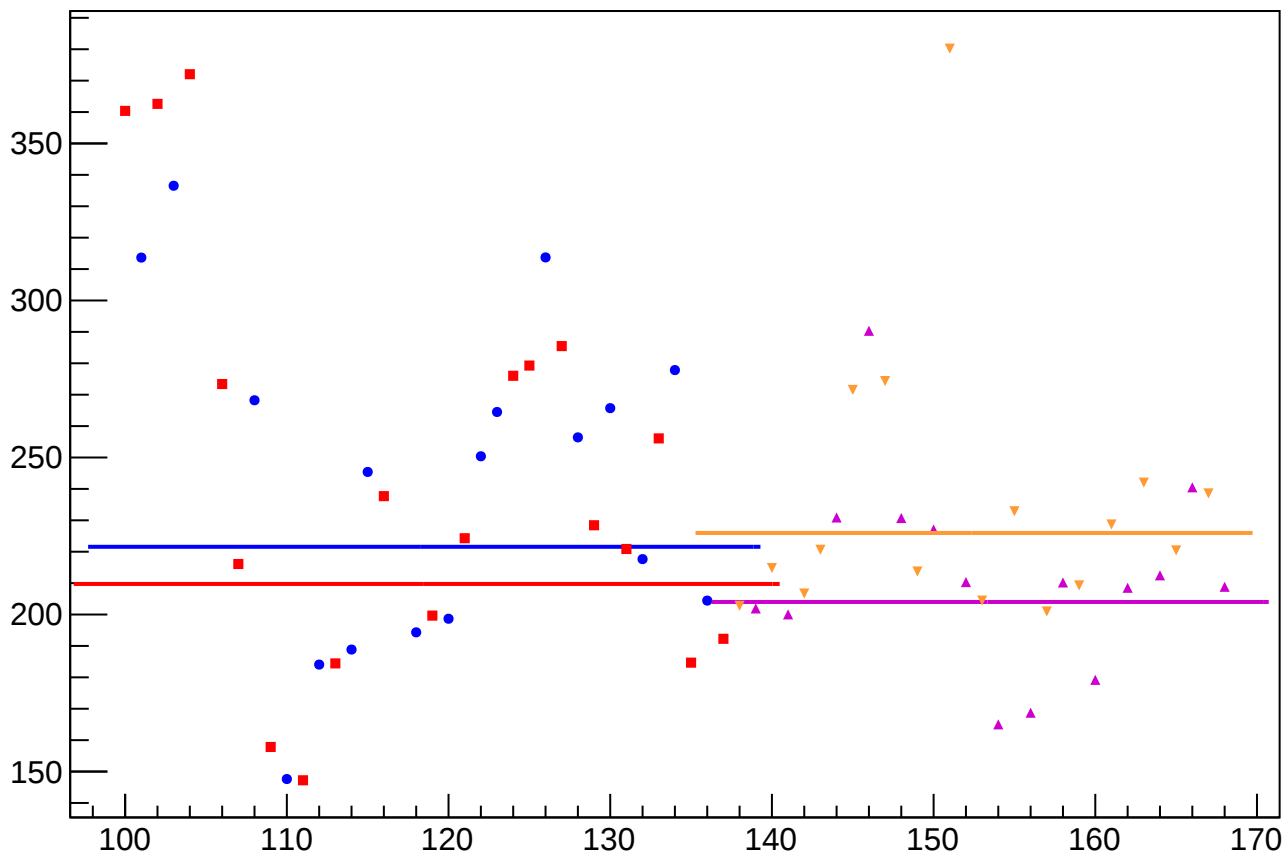
Right: -690.308±/60.489 χ^2/NDF : 729.5/35

In: -434.748±/50.471 χ^2/NDF :1902.8/31

Out: -178.741±/51.804 χ^2/NDF :1337.0/34

All: -310.082±/36.151 χ^2/NDF : 3252.3/66

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 225.973 $\pm$ 0.047 χ^2 /NDF: 441699.9/15

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

Left In: 204.000 $\pm$ 0.043 χ^2 /NDF: 423529.3/14

Left: 214.046 $\pm$ 0.032 χ^2 /NDF: 983102.8/30

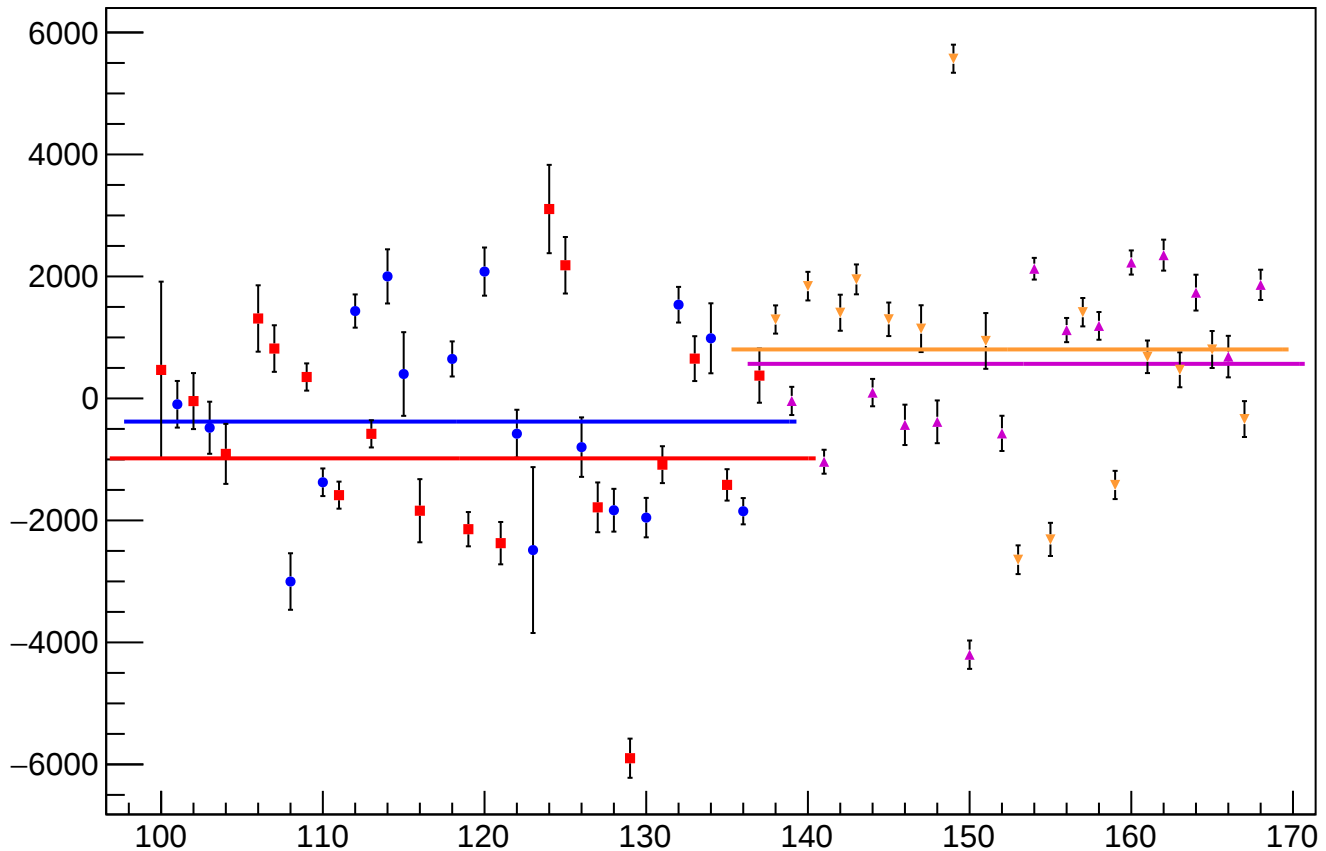
Right: 215.173 $\pm$ 0.043 χ^2 /NDF: 1547873.9/35

In: 209.620 $\pm$ 0.036 χ^2 /NDF: 1121196.5/31

Out: 219.536 $\pm$ 0.037 χ^2 /NDF: 1372635.8/34

All: 214.448 $\pm$ 0.026 χ^2 /NDF: 2531423.0/66

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 $\chi^2/\text{NDF}: 317.2/16$

Left Out: 803.277 ± 66.526 $\chi^2/\text{NDF}: 943.6/15$

Right Out: -982.539 ± 77.724 $\chi^2/\text{NDF}: 476.3/18$

Left In: 566.940 ± 61.293 $\chi^2/\text{NDF}: 785.5/14$

Left: 675.449 ± 45.077 $\chi^2/\text{NDF}: 1736.0/30$

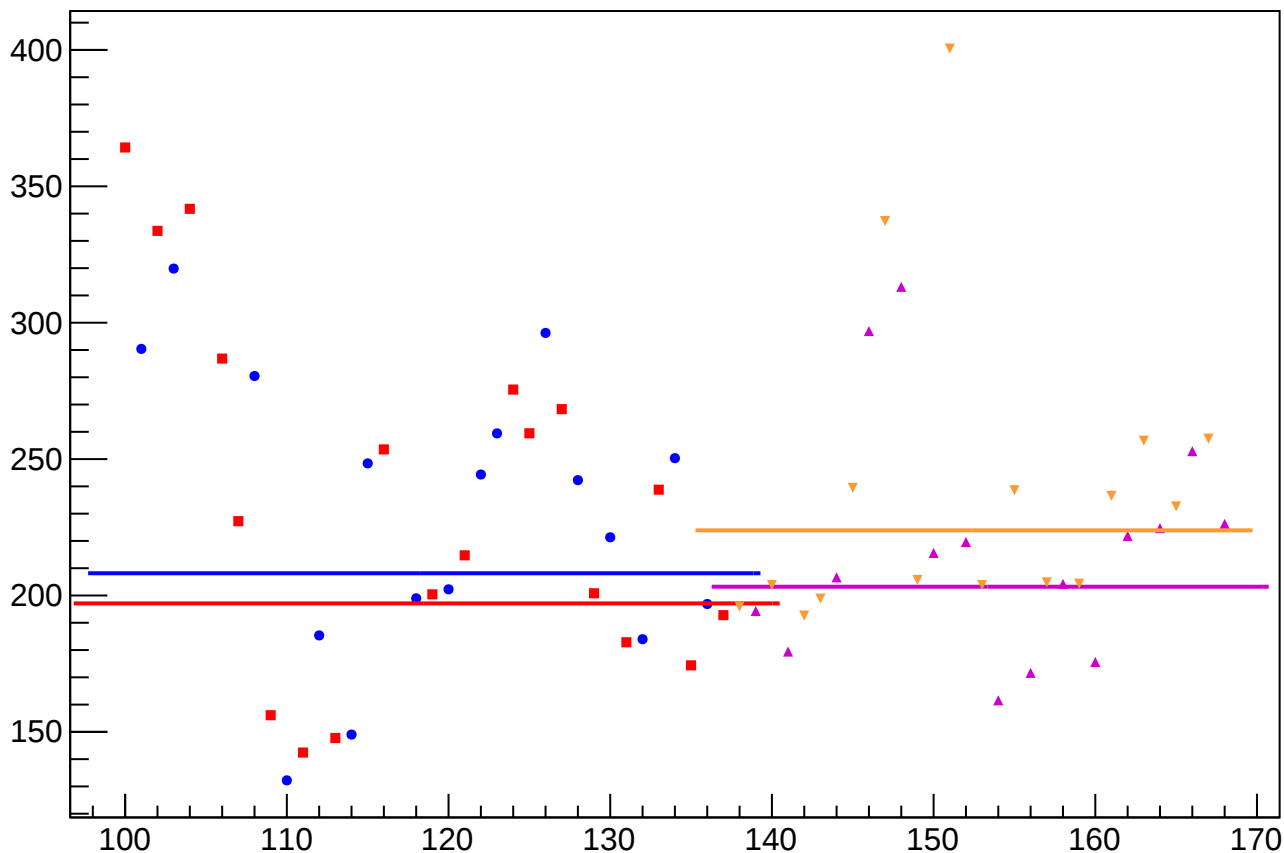
Right: -705.376 ± 57.130 $\chi^2/\text{NDF}: 821.1/35$

In: 239.378 ± 49.566 $\chi^2/\text{NDF}: 1185.2/31$

Out: 48.174 ± 50.541 $\chi^2/\text{NDF}: 1724.6/34$

All: 145.637 ± 35.388 $\chi^2/\text{NDF}: 2917.1/66$

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 223.880+/-0.047 χ^2/NDF : 685783.2/15

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

Left In: 203.215+/-0.043 χ^2/NDF : 682644.6/14

Left: 212.703+/-0.032 χ^2/NDF : 1472804.0/30

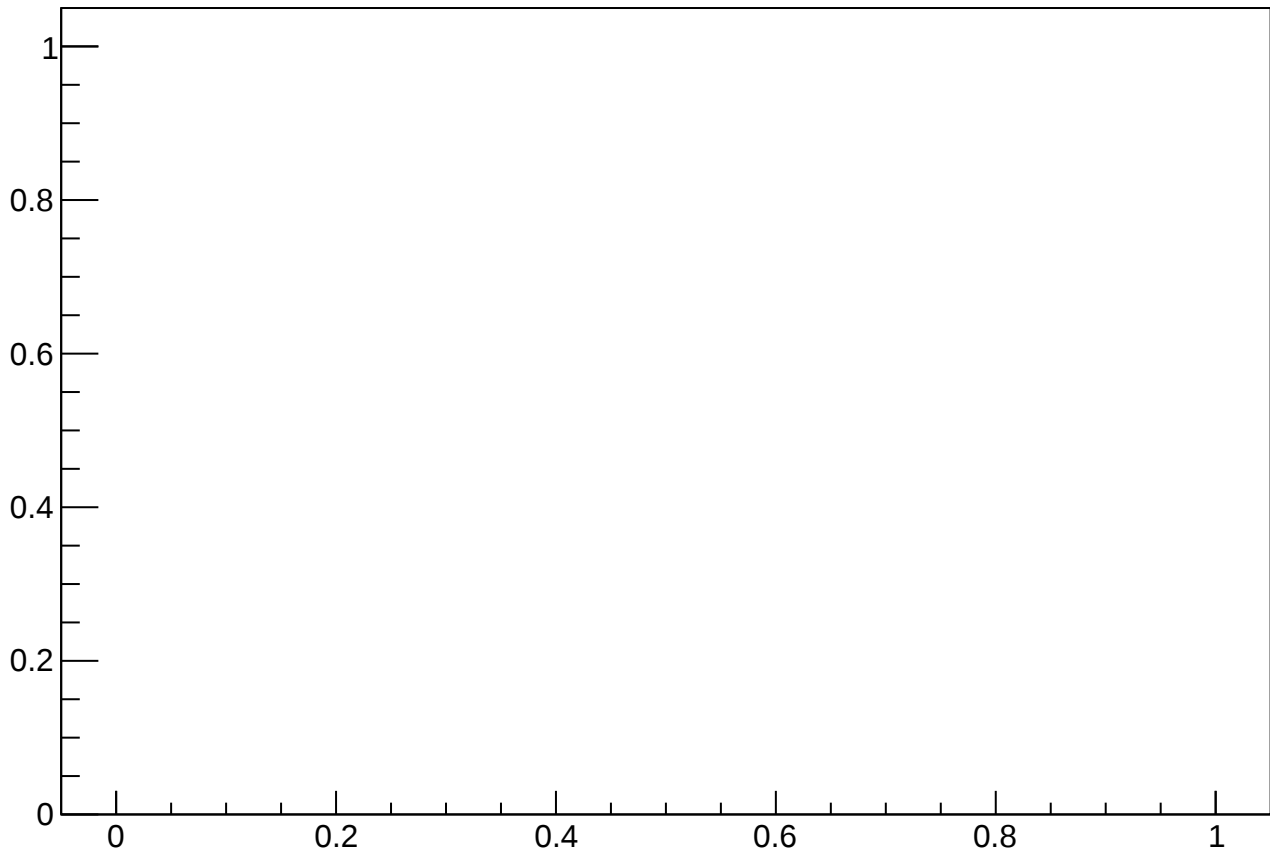
Right: 202.182+/-0.040 χ^2/NDF : 1644129.7/35

In: 204.923+/-0.035 χ^2/NDF : 1386217.2/31

Out: 212.557+/-0.036 χ^2/NDF : 1749256.8/34

All: 208.666+/-0.025 χ^2/NDF : 3158735.9/66

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

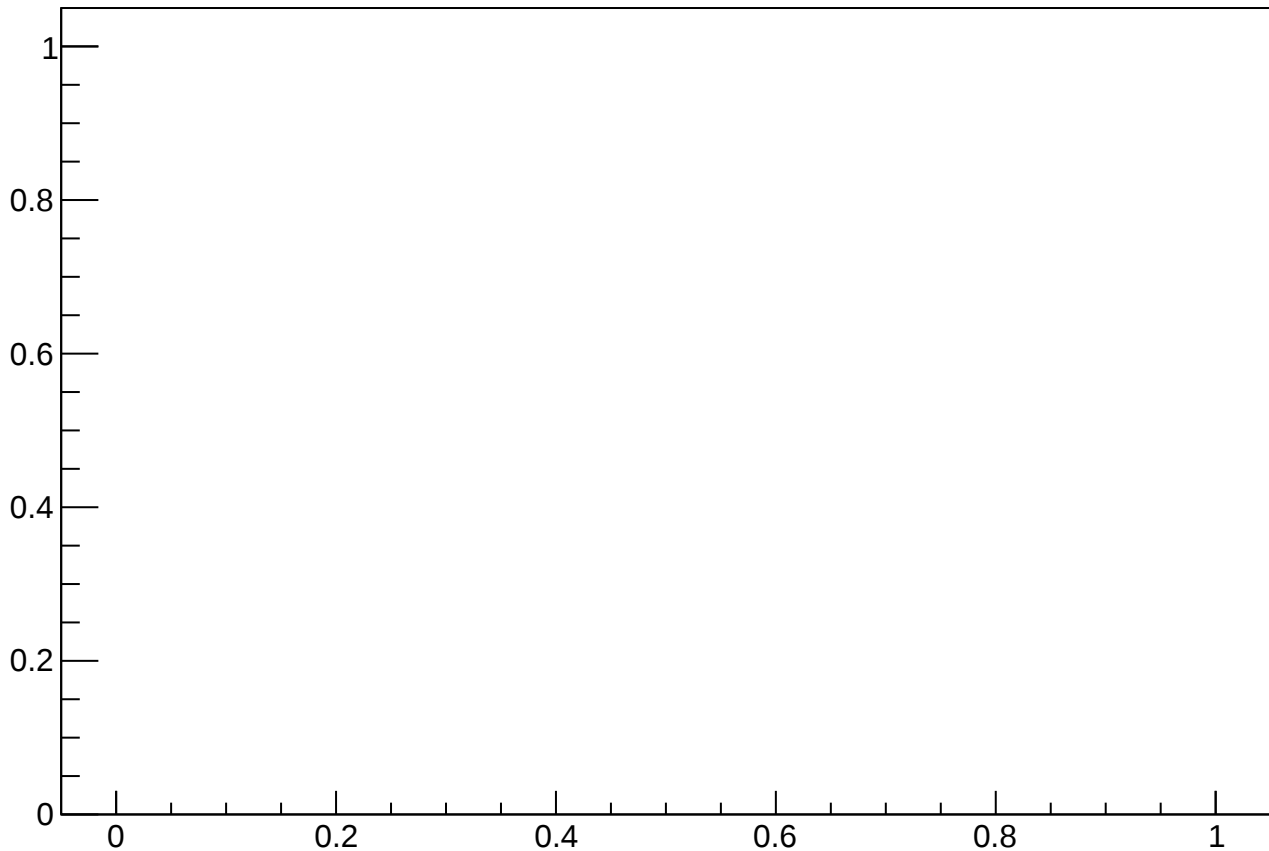
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

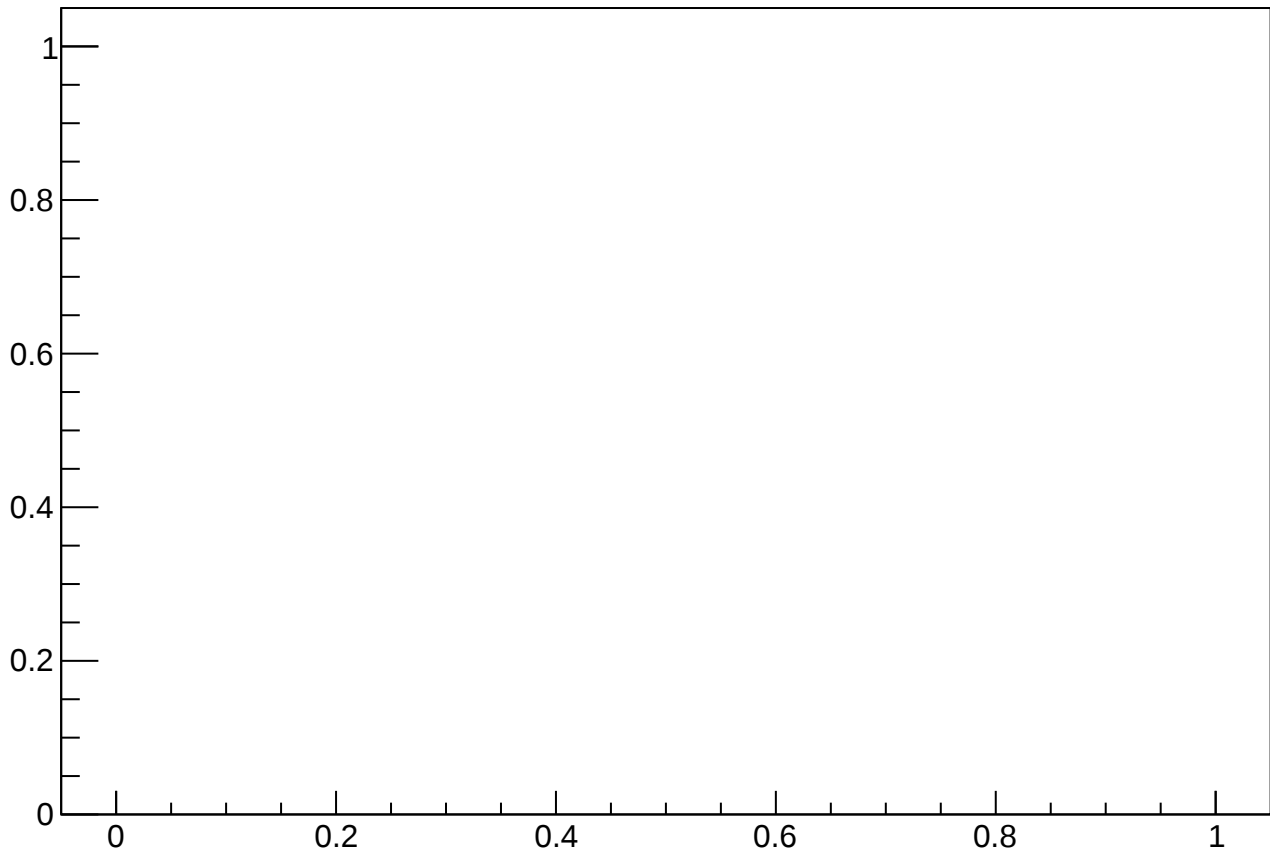
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

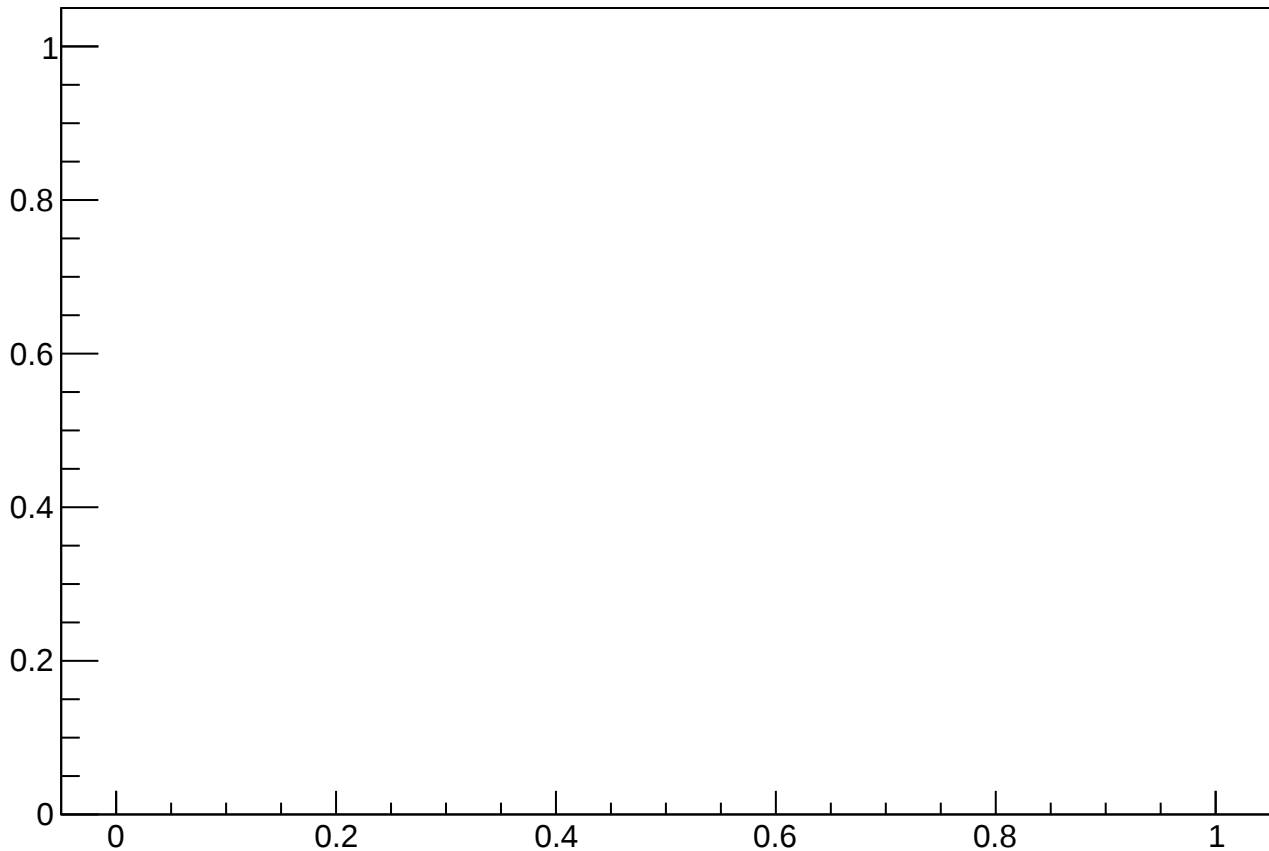
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

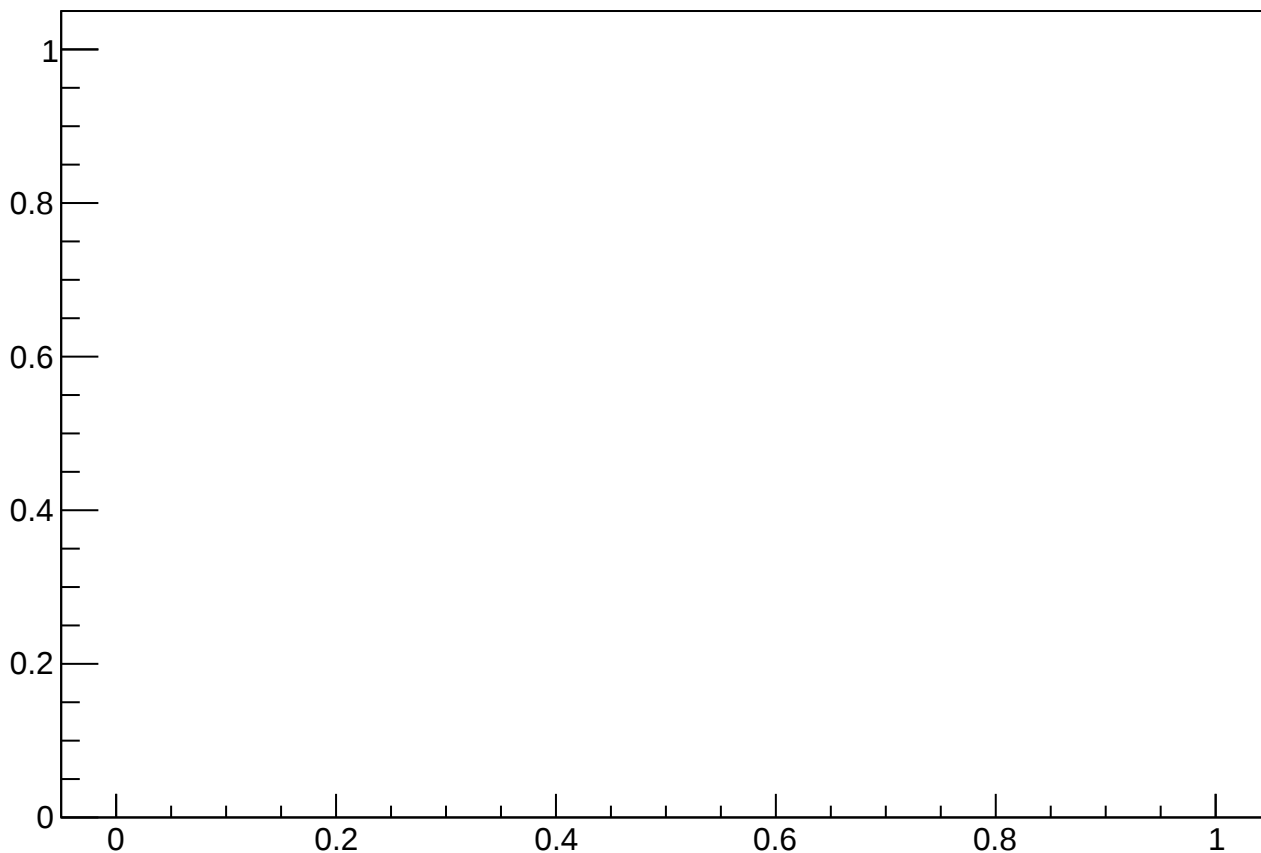
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

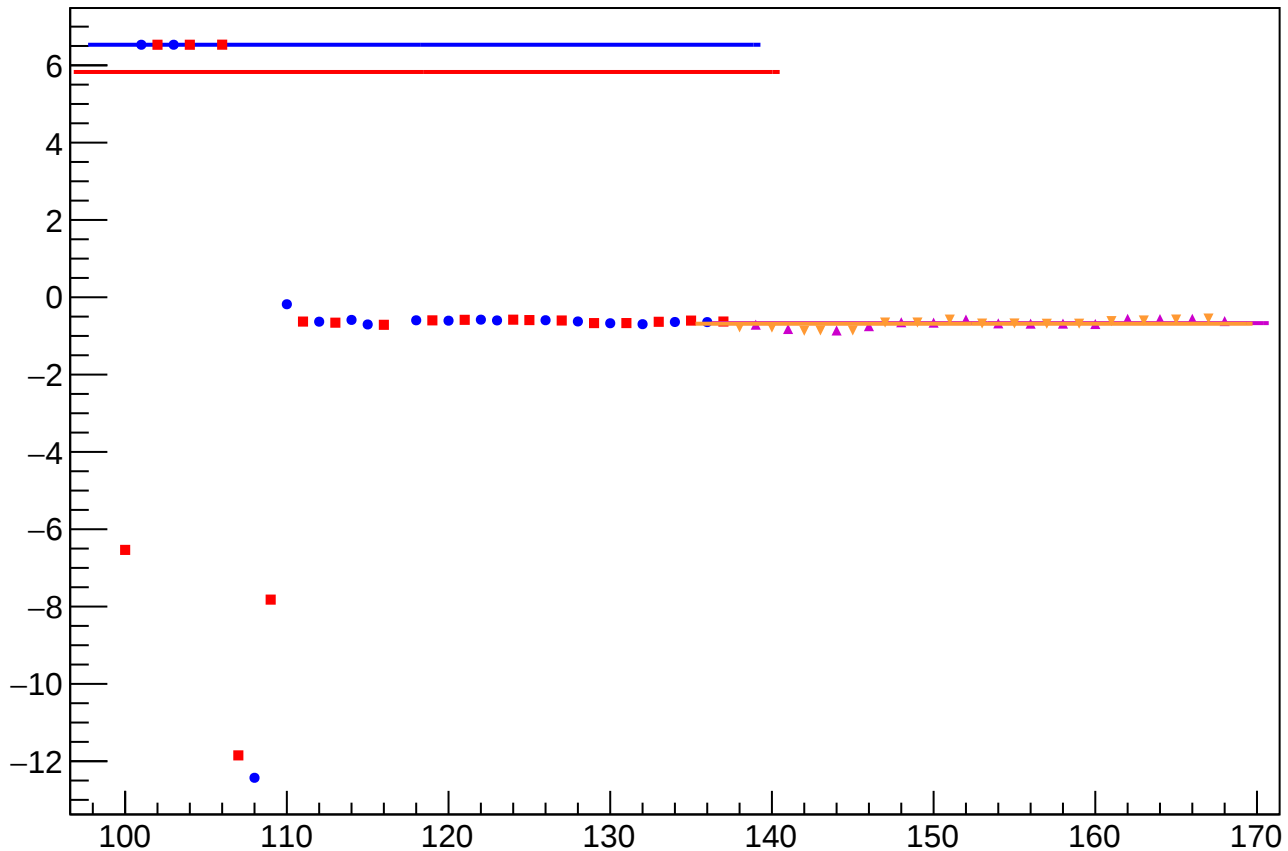
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

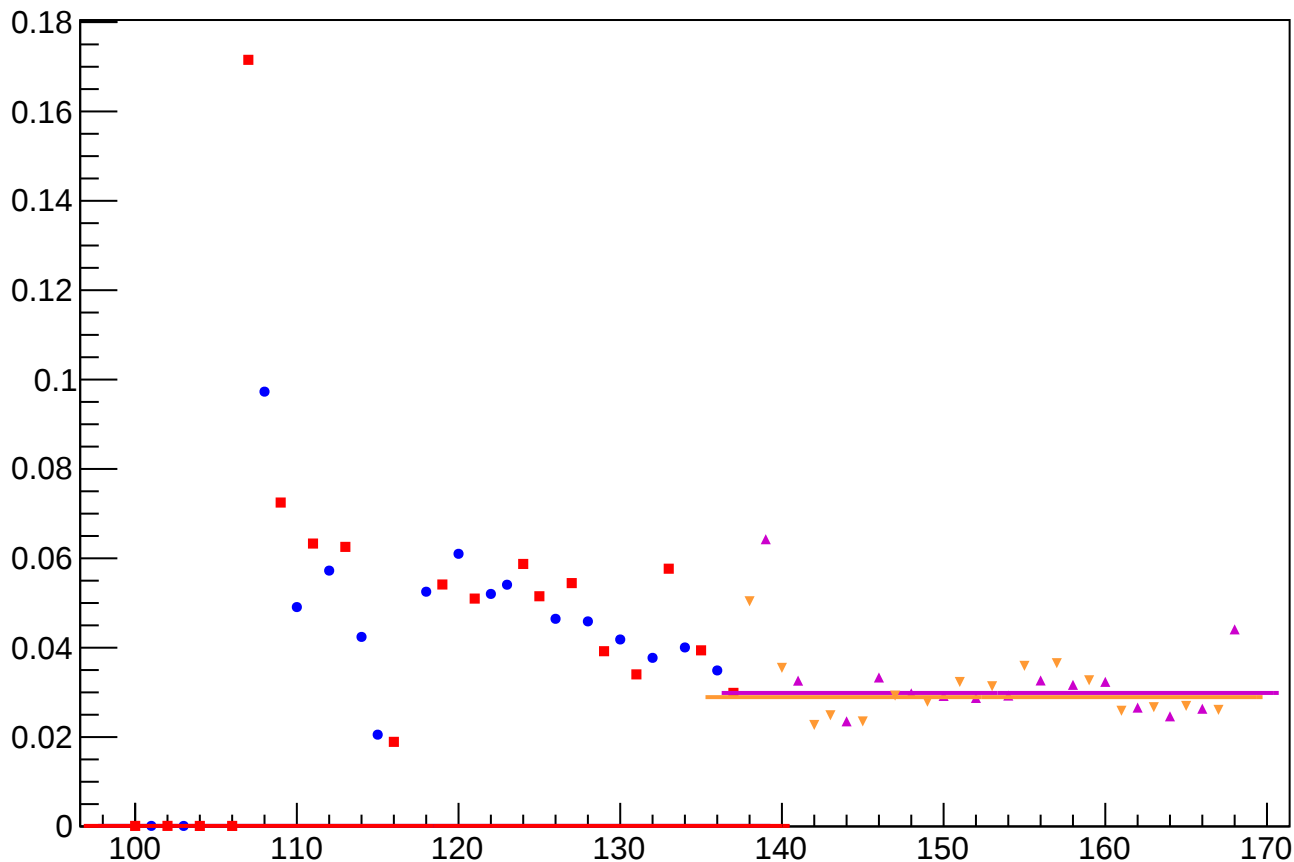
All: 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532 +/- 0.000 χ^2/NDF : 127219747629.7/16
 Left Out: -0.684 +/- 0.000 χ^2/NDF : 124130909.0/15
 Right Out: 5.827 +/- 0.000 χ^2/NDF : 755963218053643.4/18
 Left In: -0.669 +/- 0.000 χ^2/NDF : 95225564.4/14
 All: 6.154 +/- 0.000 χ^2/NDF : 77710773122584.5/30

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029+/-0.000 χ^2/NDF : 588181.6/15

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

Left In: 0.030+/-0.000 χ^2/NDF : 762684.7/14

Left: 0.029+/-0.000 χ^2/NDF : 1360432.4/30

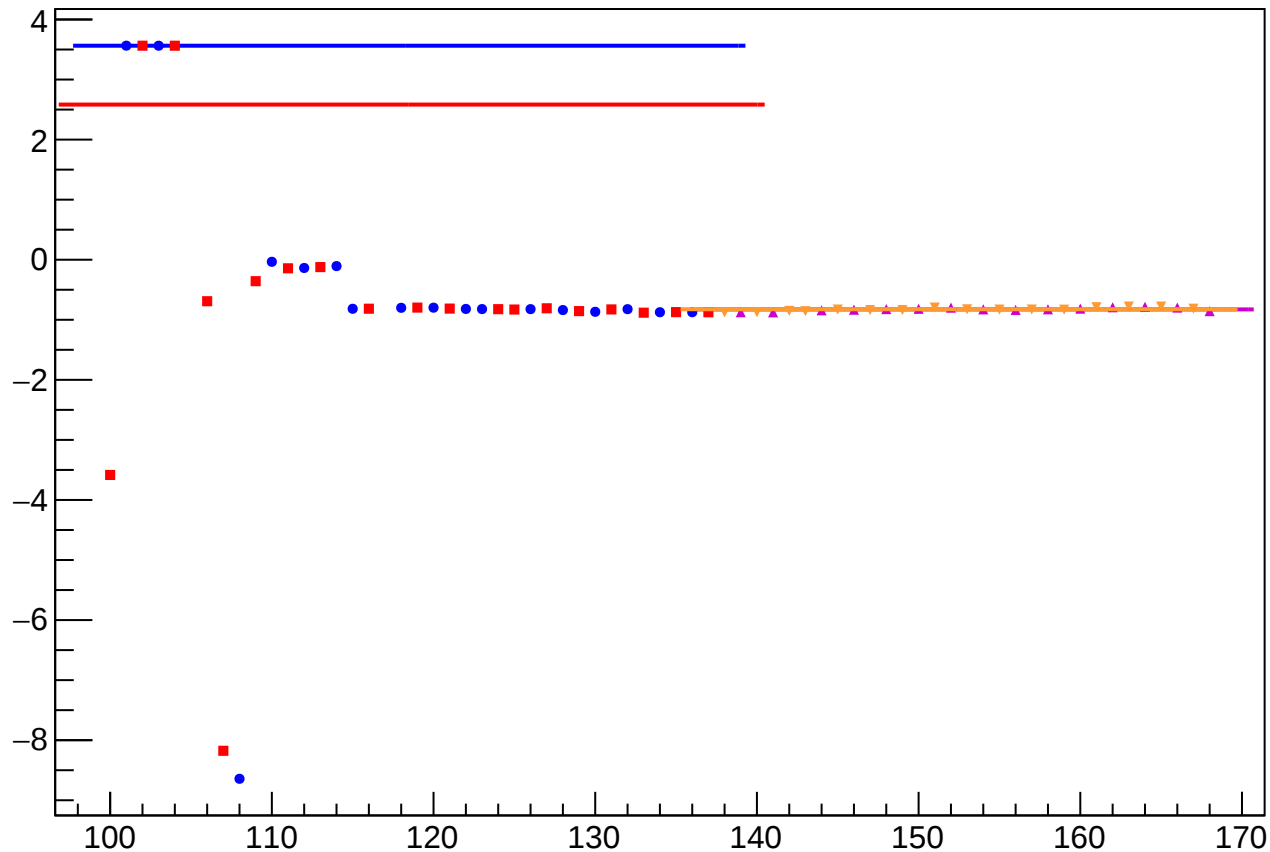
Right: 0.000+/-0.000 χ^2/NDF : 18237948.0/35

In: 0.000+/-0.000 χ^2/NDF : 28088561.0/31

Out: 0.000+/-0.000 χ^2/NDF : 28685362.5/34

All: 0.000+/-0.000 χ^2/NDF : 56774282.1/66

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.824+/-0.000 χ^2/NDF : 125433911.2/15

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.827+/-0.000 χ^2/NDF : 108857631.8/14

Left: -0.826+/-0.000 χ^2/NDF : 234771517.4/30

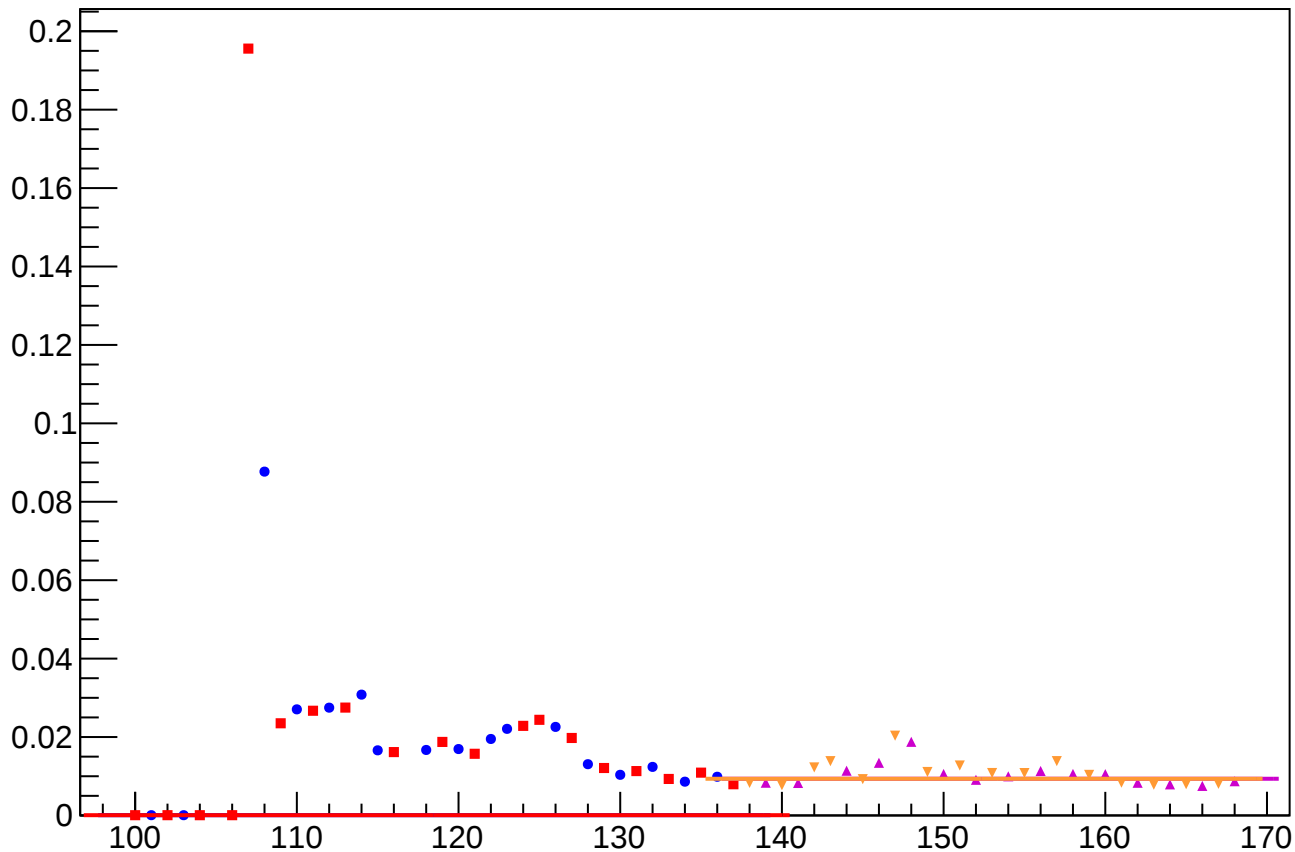
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.0/173

In: 3.561+/-0.000 χ^2/NDF : 2536066469680.3/31

Out: 2.582+/-0.000 χ^2/NDF : 1254741816543817.5/173

All: 3.039+/-0.000 χ^2/NDF : 13854433610739.0/173

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 :1061659.7/15

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

Left In: 0.009+/-0.000 χ^2/NDF :755638.8/14

Left: 0.009+/-0.000 χ^2/NDF : 1817299.2/30

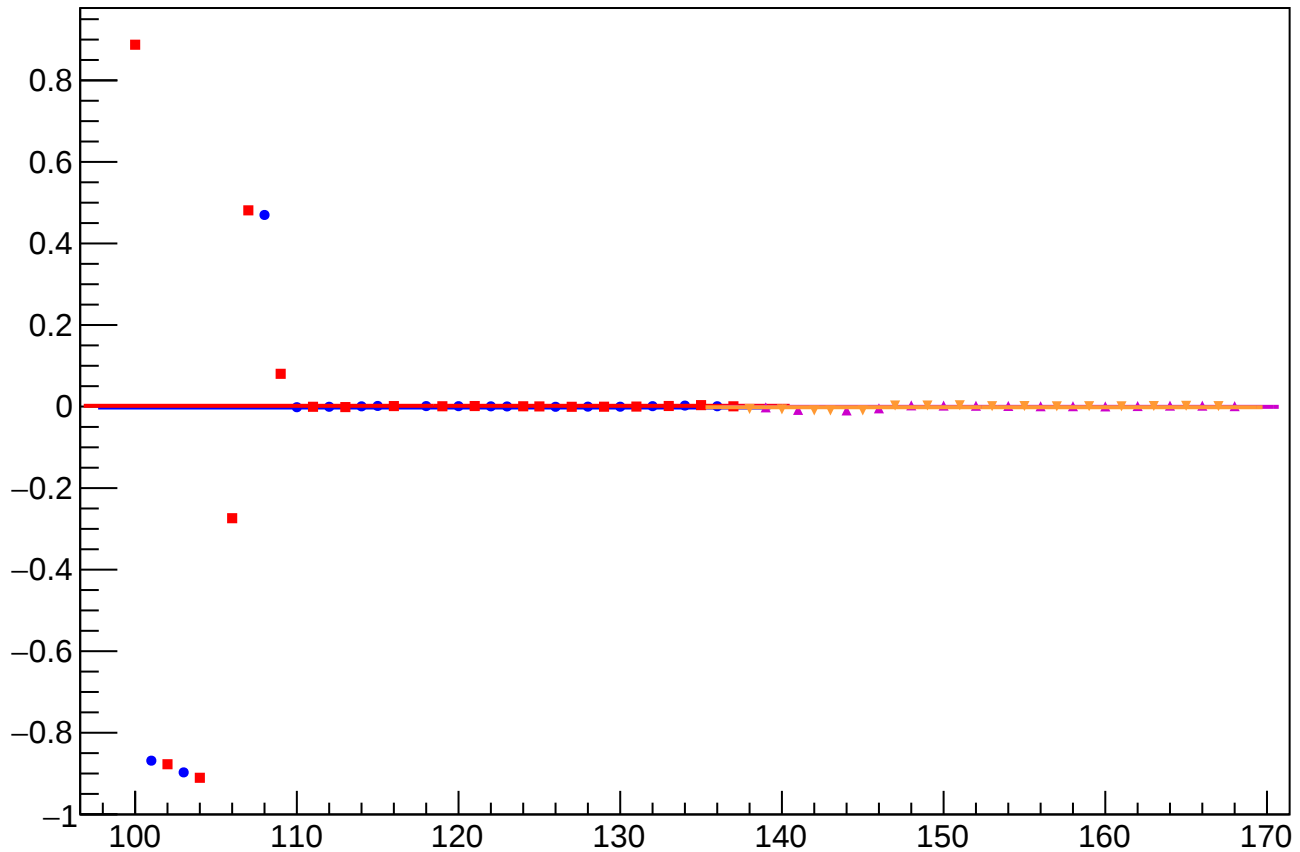
Right: 0.000+/-0.000 χ^2/NDF : 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF :28875525.3/31

Out: 0.000+/-0.000 χ^2/NDF :29345108.2/34

All: 0.000+/-0.000 χ^2/NDF : 58221240.4/66

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.002+/-0.000 χ^2/NDF : 91934954.6/15

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

Left In: -0.001+/-0.000 χ^2/NDF : 66520748.3/14

Left: -0.001+/-0.000 χ^2/NDF : 160235437.4/30

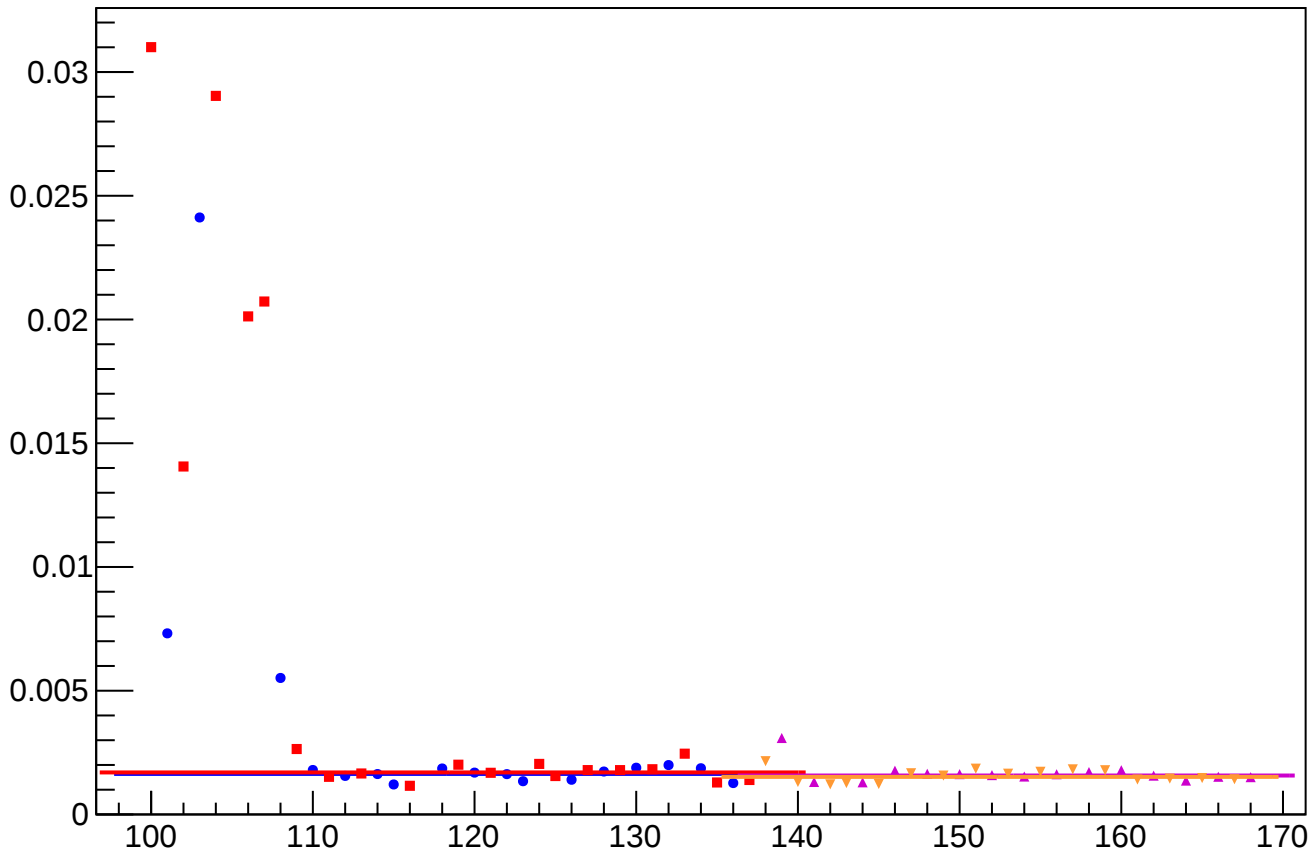
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF : 9864497139.1/31

Out: -0.001+/-0.000 χ^2/NDF : 3147104915.3/34

All: -0.001+/-0.000 χ^2/NDF : 13012330777.6/69

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:426926.2/15

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:525109.4/14

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 963877.3/30

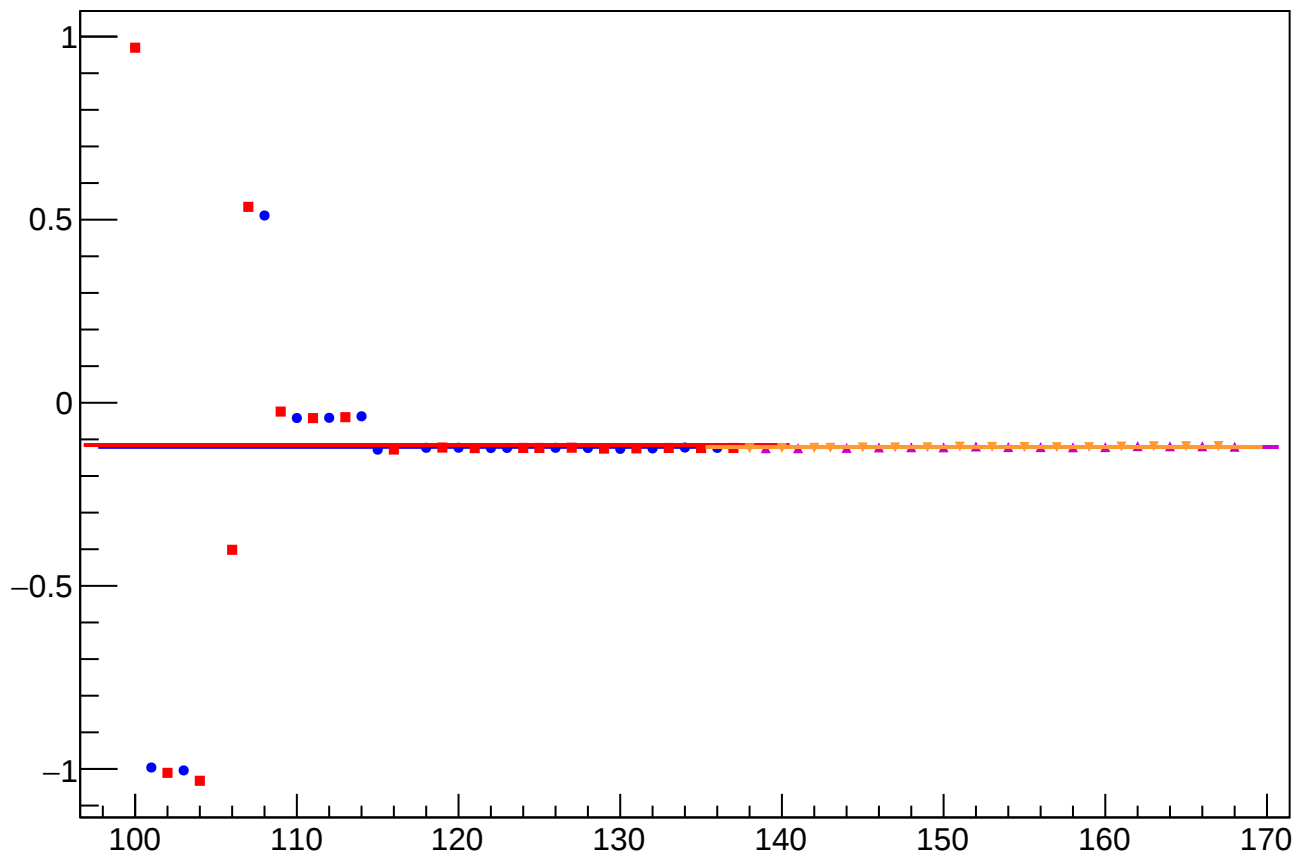
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4945998.5/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF:2451258.1/31

Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3523164.5/34

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5977990.2/66

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 : 31510598.4/15

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

Left In: -0.121+/-0.000 χ^2/NDF : 28408834.1/14

Left: -0.121+/-0.000 χ^2/NDF : 59919692.9/30

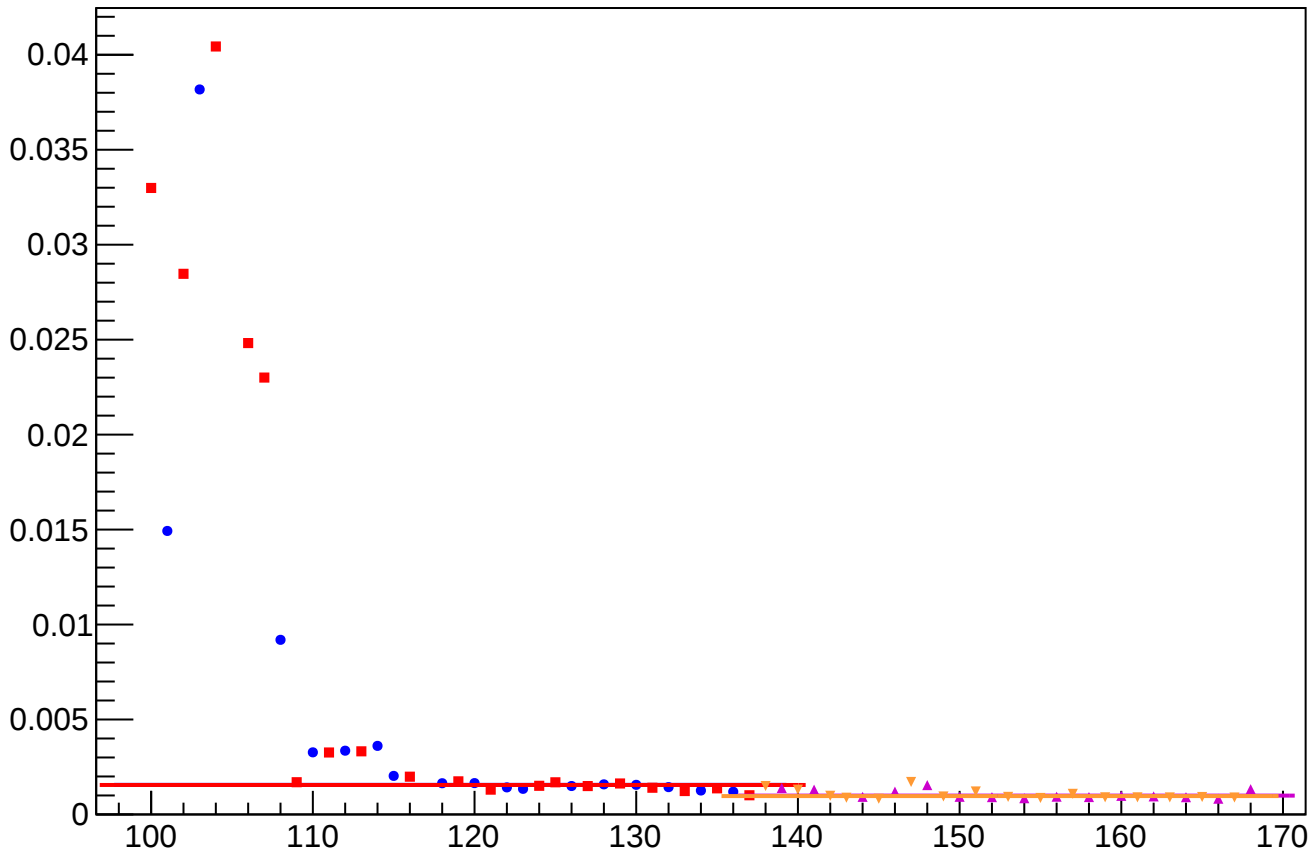
Right: -0.118+/-0.000 χ^2/NDF : 6411653427.4/35

In: -0.121+/-0.000 χ^2/NDF : 3961037784.1/31

Out: -0.120+/-0.000 χ^2/NDF : 2536948840.8/34

All: -0.120+/-0.000 χ^2/NDF : 6500950122.6/6

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 727262.4/15

Right Out: 0.002+/-0.000 χ^2/NDF : 3539455.6/18

Left In: 0.001+/-0.000 χ^2/NDF : 666496.7/14

Left: 0.001+/-0.000 χ^2/NDF : 1400587.3/30

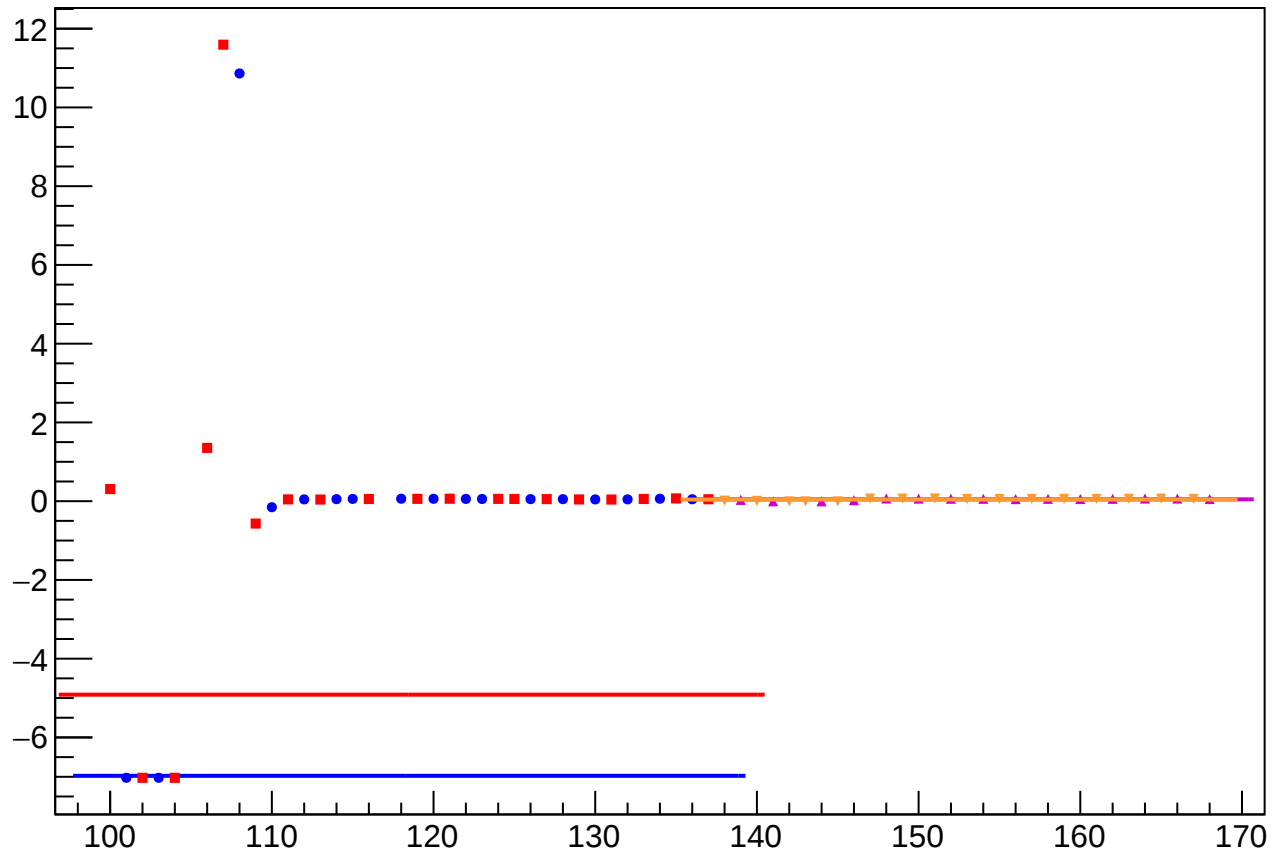
Right: 0.002+/-0.000 χ^2/NDF : 6440590.7/35

In: 0.001+/-0.000 χ^2/NDF : 4591144.9/31

Out: 0.001+/-0.000 χ^2/NDF : 5381186.1/34

All: 0.001+/-0.000 χ^2/NDF : 9981372.1/66

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000

χ^2/NDF : 8749579700722.8/16

Left: 0.044+/-0.000 χ^2/NDF : 169472339.2/30

Right: -5.900+/-0.000 χ^2/NDF : 430307691650468.6

Left Out: 0.041+/-0.000 χ^2/NDF : 94001481.2/15

In: -6.945+/-0.000 χ^2/NDF : 14120193457584.6/31

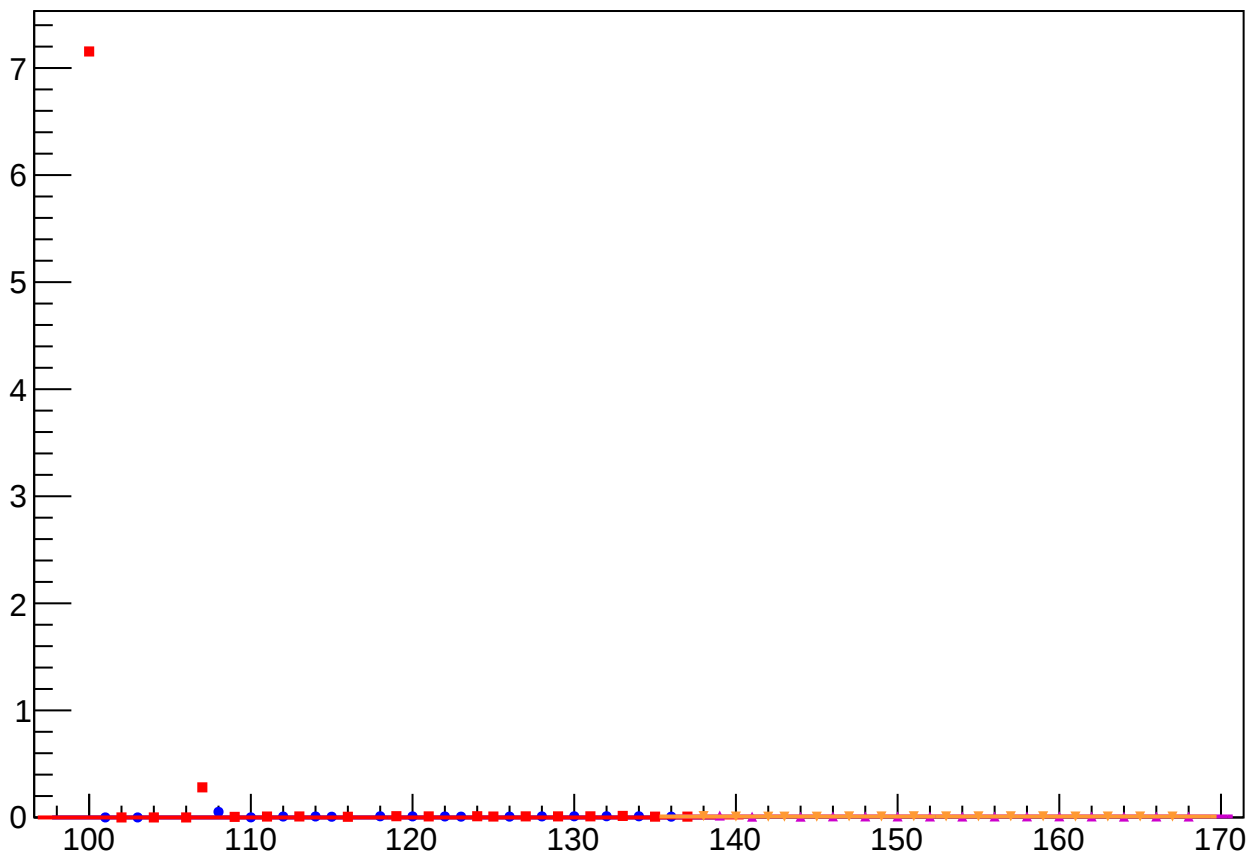
Right Out: -4.914+/-0.000 χ^2/NDF : 365358092730279.9/18

Out: -4.893+/-0.000 χ^2/NDF : 368235304053395.9/18

Left In: 0.046+/-0.000 χ^2/NDF : 74060556.8/14

All: -5.874+/-0.000 χ^2/NDF : 4382954782685.6/30

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 : 419700.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF : 517654.7/14

Left: 0.009+/-0.000 χ^2/NDF : 949223.4/30

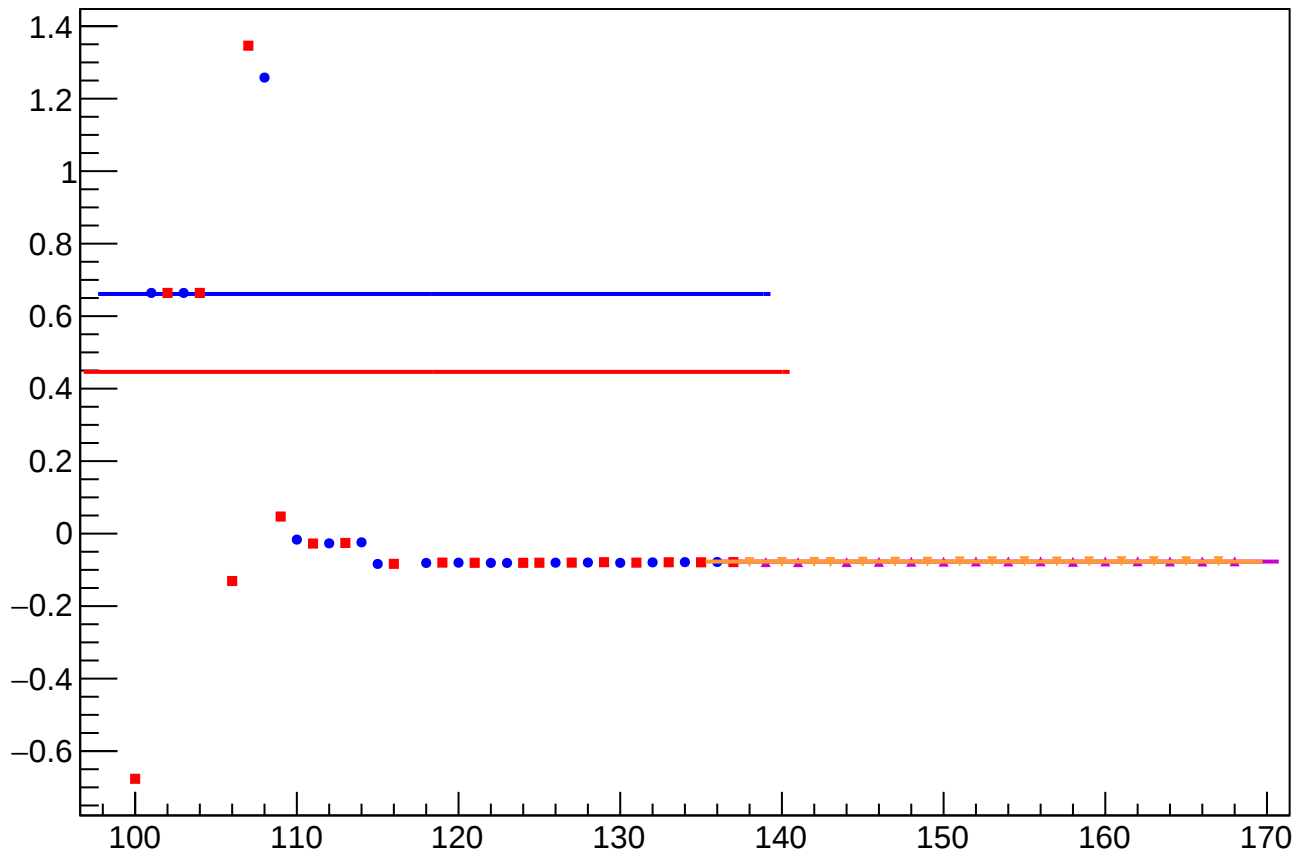
Right: 0.000+/-0.000 χ^2/NDF : 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF : 26828478.6/31

Out: 0.000+/-0.000 χ^2/NDF : 27287690.9/34

All: 0.000+/-0.000 χ^2/NDF : 54116885.2/66

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5607525081216.0/16

Left Out: -0.077 $\pm$ 0.000 χ^2 /NDF: 29978489.3/15

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405416924315199.0/18

Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 21796285.5/14

Left: -0.077 $\pm$ 0.000 χ^2 /NDF: 51775818.7/30

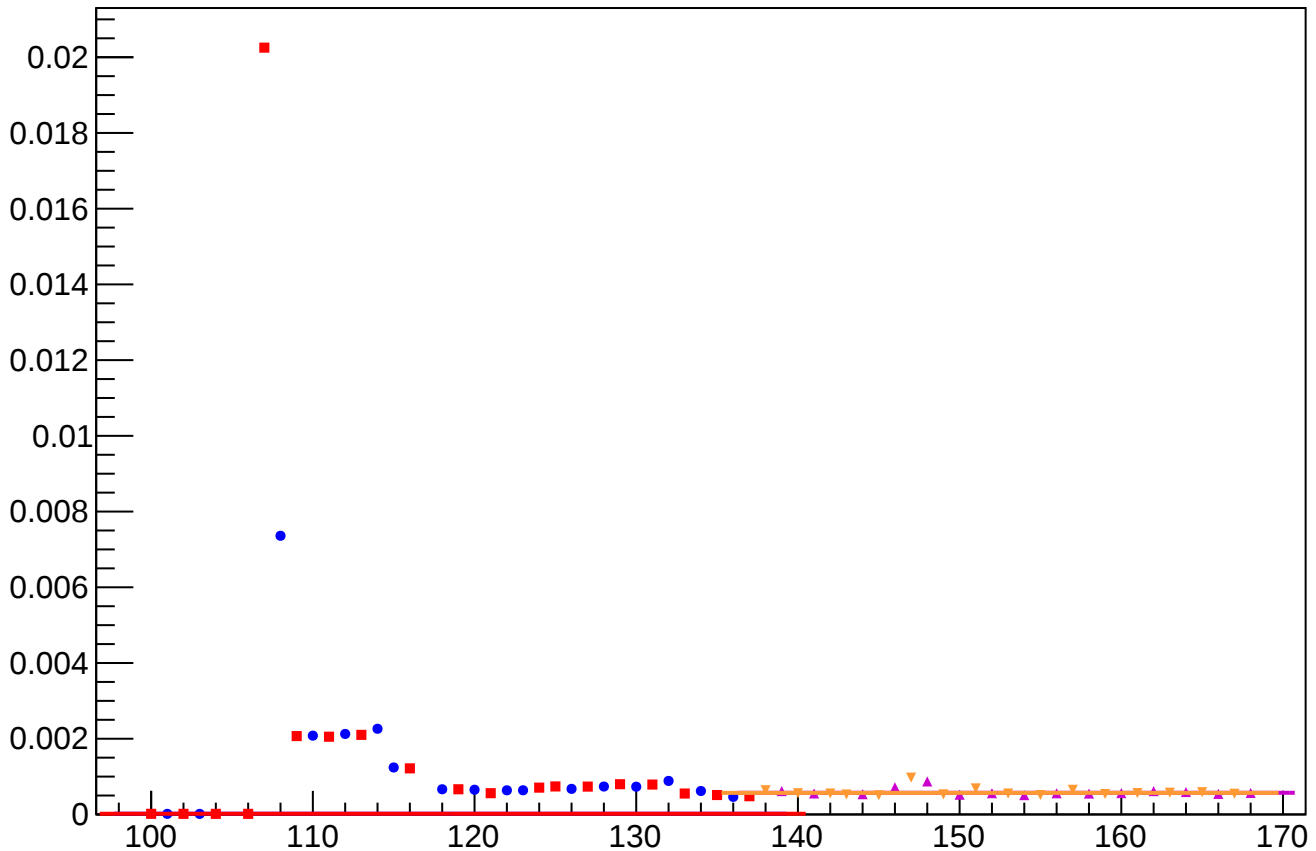
Right: 0.549 $\pm$ 0.000 χ^2 /NDF: 473947475230218.3/30

In: 0.652 $\pm$ 0.000 χ^2 /NDF: 23905428309446.1/31

Out: 0.440 $\pm$ 0.000 χ^2 /NDF: 414795878799580.0/31

All: 0.541 $\pm$ 0.000 χ^2 /NDF: 50051883071115.0/61

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 : 410890.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

Left In: 0.001+/-0.000 χ^2/NDF : 315839.4/14

Left: 0.001+/-0.000 χ^2/NDF : 726918.9/30

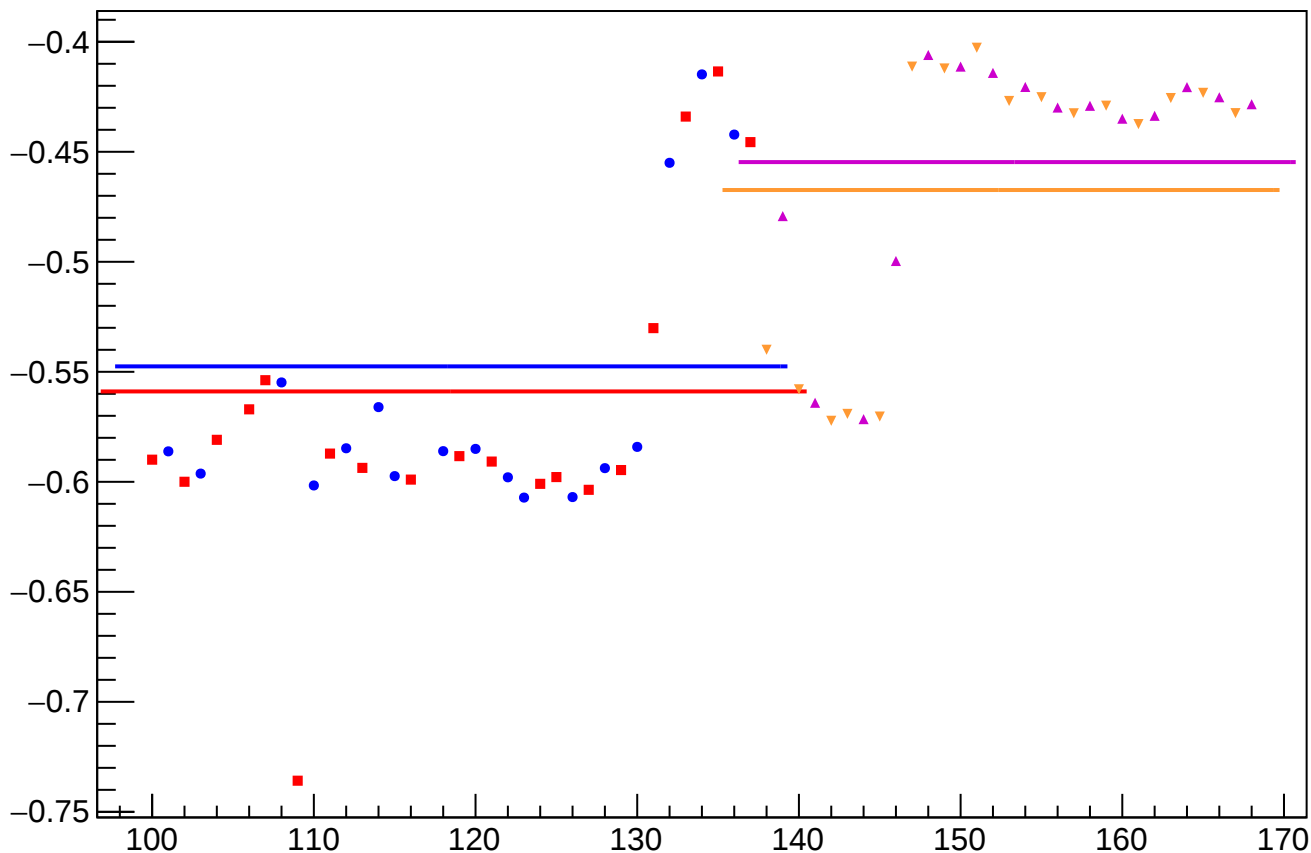
Right: 0.000+/-0.000 χ^2/NDF : 19354868.6/35

In: 0.000+/-0.000 χ^2/NDF : 30787807.1/31

Out: 0.000+/-0.000 χ^2/NDF : 30727886.9/34

All: 0.000+/-0.000 χ^2/NDF : 61516582.5/66

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.467+/-0.000 χ^2/NDF : 102248062.5/15

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

Left In: -0.455+/-0.000 χ^2/NDF : 73945389.1/14

Left: -0.461+/-0.000 χ^2/NDF : 178063808.0/30

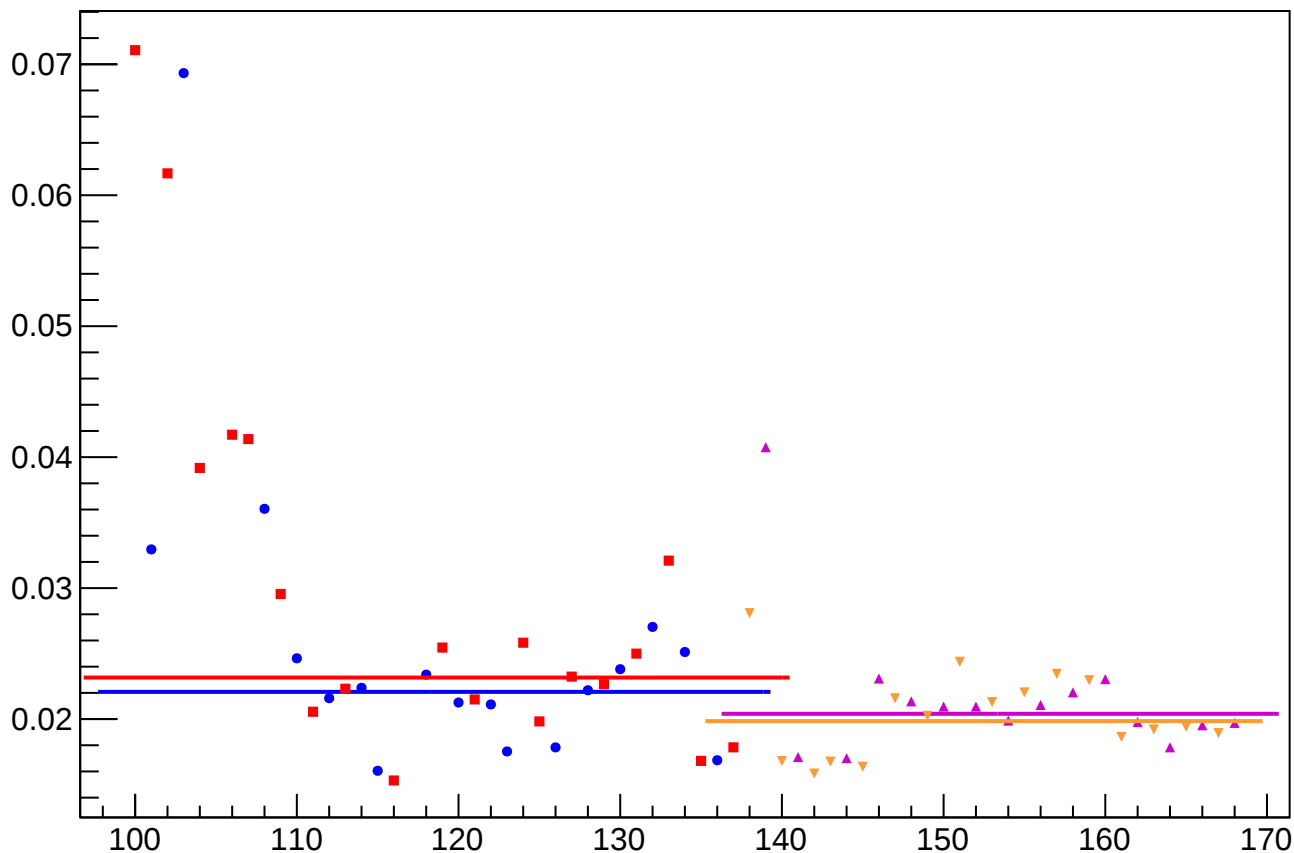
Right: -0.553+/-0.000 χ^2/NDF : 114532950.1/35

In: -0.484+/-0.000 χ^2/NDF : 183668821.6/31

Out: -0.494+/-0.000 χ^2/NDF : 226318825.2/34

All: -0.489+/-0.000 χ^2/NDF : 411763966.5/66

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 :396493.1/15

Right Out: 0.023+/-0.000 χ^2/NDF : 1156758.3/18

Left In: 0.020+/-0.000 χ^2/NDF :527271.1/14

Left: 0.020+/-0.000 χ^2/NDF : 930985.3/30

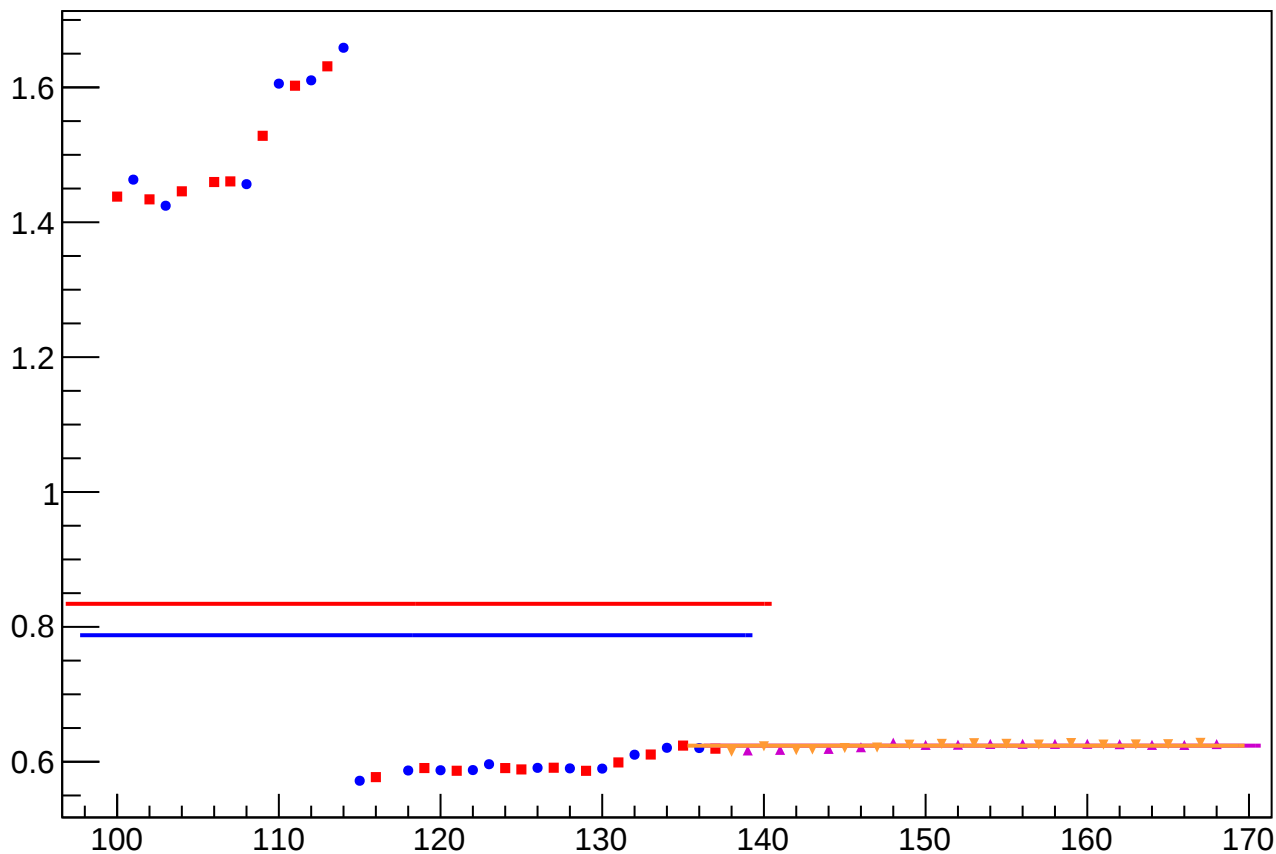
Right: 0.023+/-0.000 χ^2/NDF : 2123609.7/35

In: 0.021+/-0.000 χ^2/NDF :1521877.5/31

Out: 0.021+/-0.000 χ^2/NDF :1708181.4/34

All: 0.021+/-0.000 χ^2/NDF : 3230464.7/66

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:1135107.5/15

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:906807.1/14

Left: 0.624 $\pm$ 0.000 χ^2 /NDF: 2041916.6/30

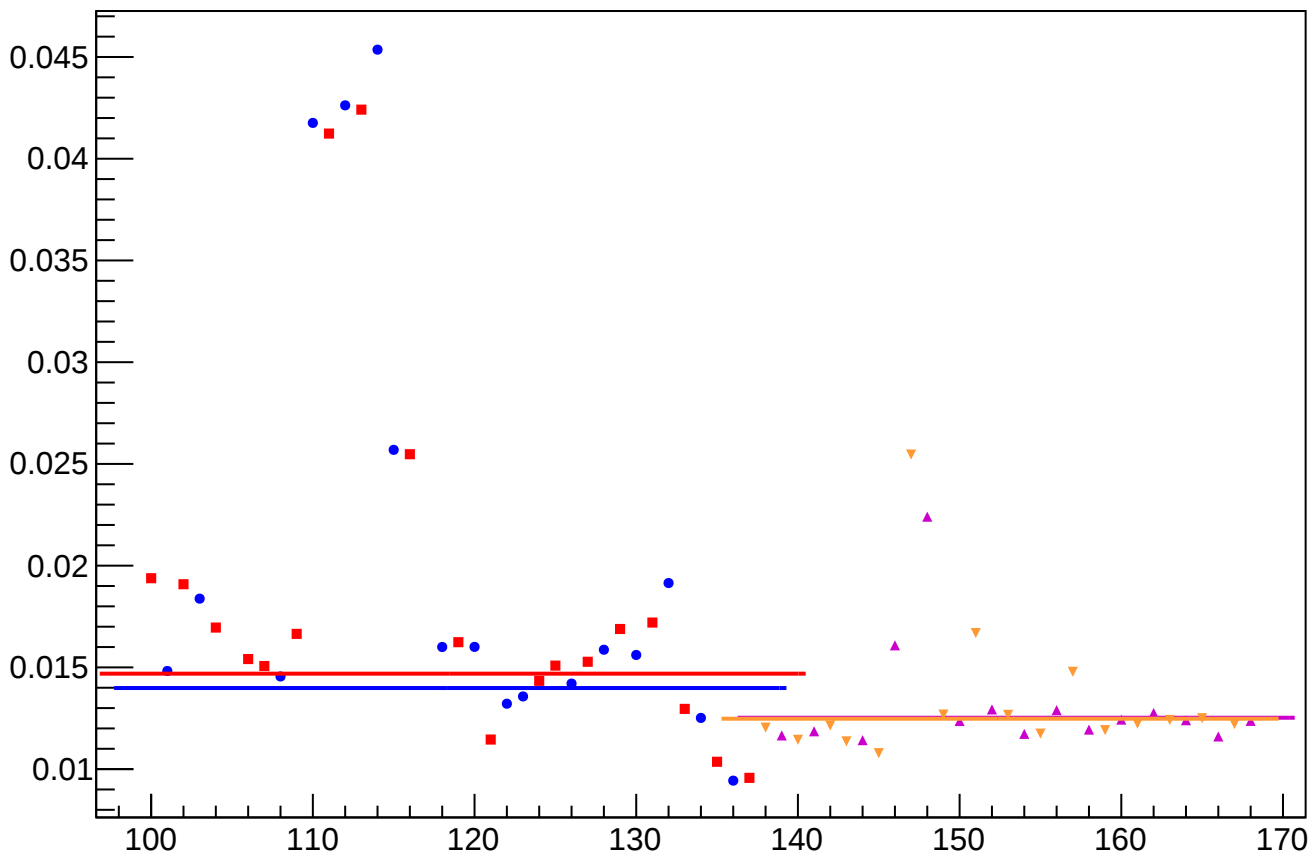
Right: 0.811 $\pm$ 0.000 χ^2 /NDF: 7764167044.9/35

In: 0.671 $\pm$ 0.000 χ^2 /NDF:4131649293.4/31

Out: 0.682 $\pm$ 0.000 χ^2 /NDF:5042563834.6/34

All: 0.677 $\pm$ 0.000 χ^2 /NDF: 9180725565.3/66

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF :589131.1/15

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

Left In: 0.013+/-0.000 χ^2/NDF :417614.3/14

Left: 0.013+/-0.000 χ^2/NDF : 1006911.9/30

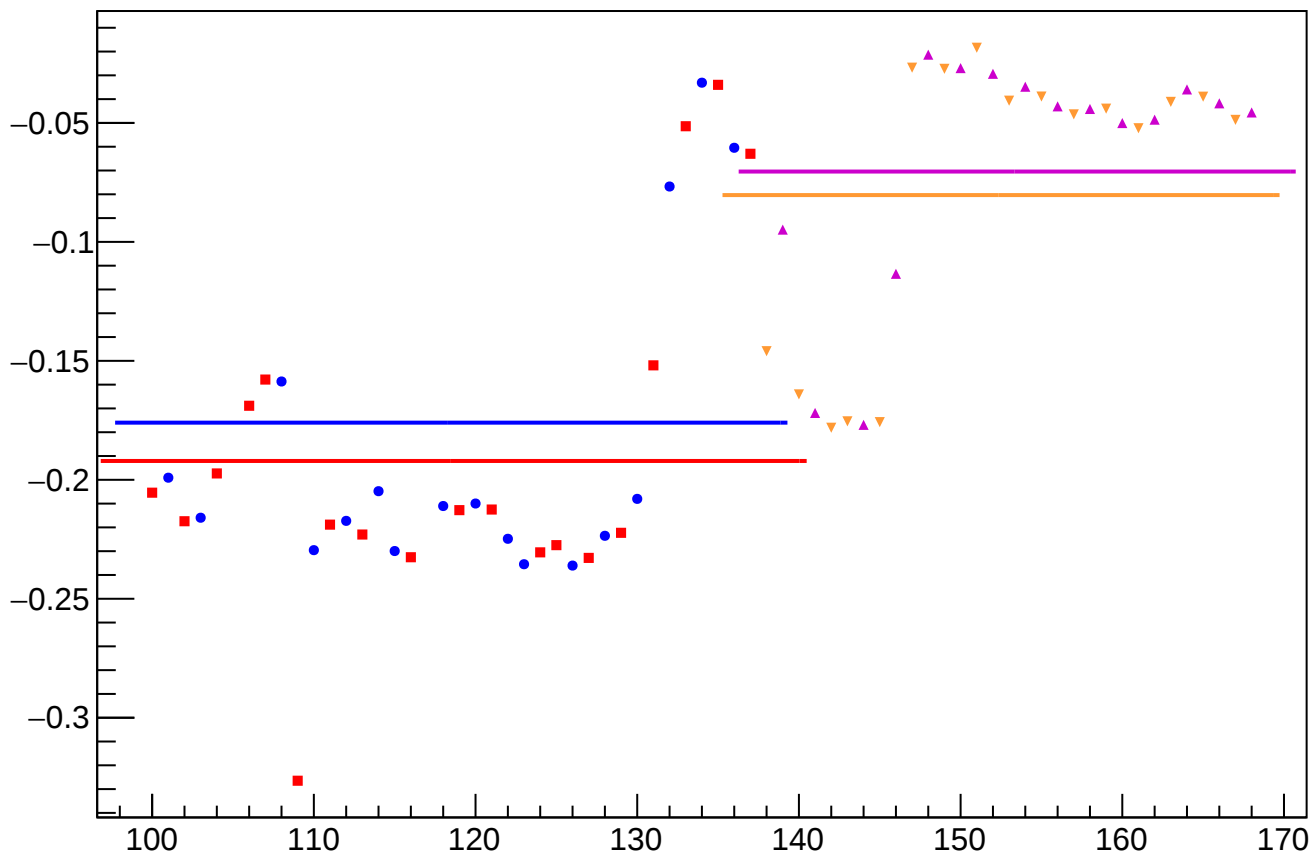
Right: 0.014+/-0.000 χ^2/NDF : 2671110.0/35

In: 0.013+/-0.000 χ^2/NDF :1903463.6/31

Out: 0.013+/-0.000 χ^2/NDF :2044763.0/34

All: 0.013+/-0.000 χ^2/NDF : 3950412.5/66

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.080+/-0.000 χ^2/NDF : 97523517.4/15

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

Left In: -0.070+/-0.000 χ^2/NDF : 74227622.3/14

Left: -0.076+/-0.000 χ^2/NDF : 172963779.5/30

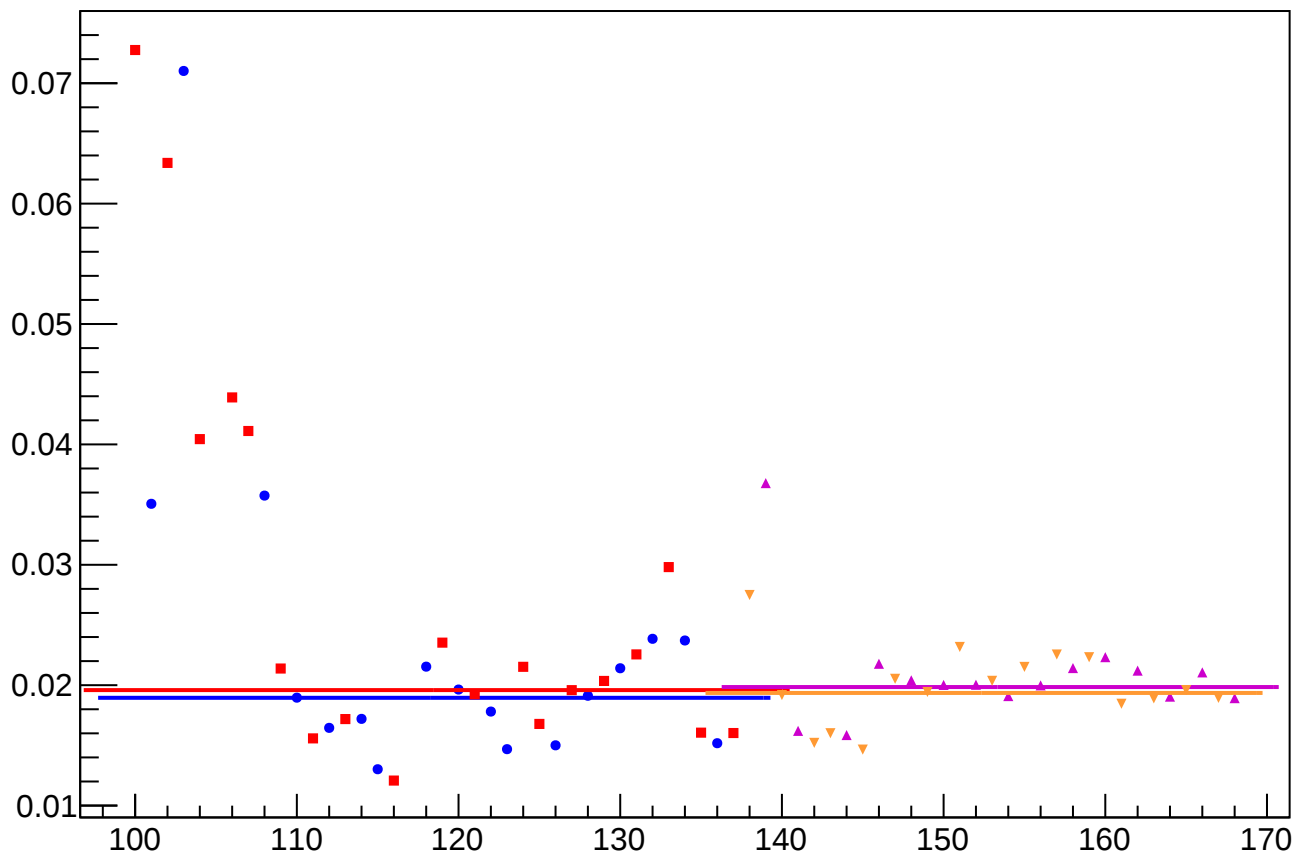
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.109+/-0.000 χ^2/NDF : 242006272.4/31

Out: -0.119+/-0.000 χ^2/NDF : 291034918.6/34

All: -0.114+/-0.000 χ^2/NDF : 535043776.5/66

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 : 417749.2/15

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.020+/-0.000 χ^2/NDF : 496913.4/14

Left: 0.020+/-0.000 χ^2/NDF : 920614.4/30

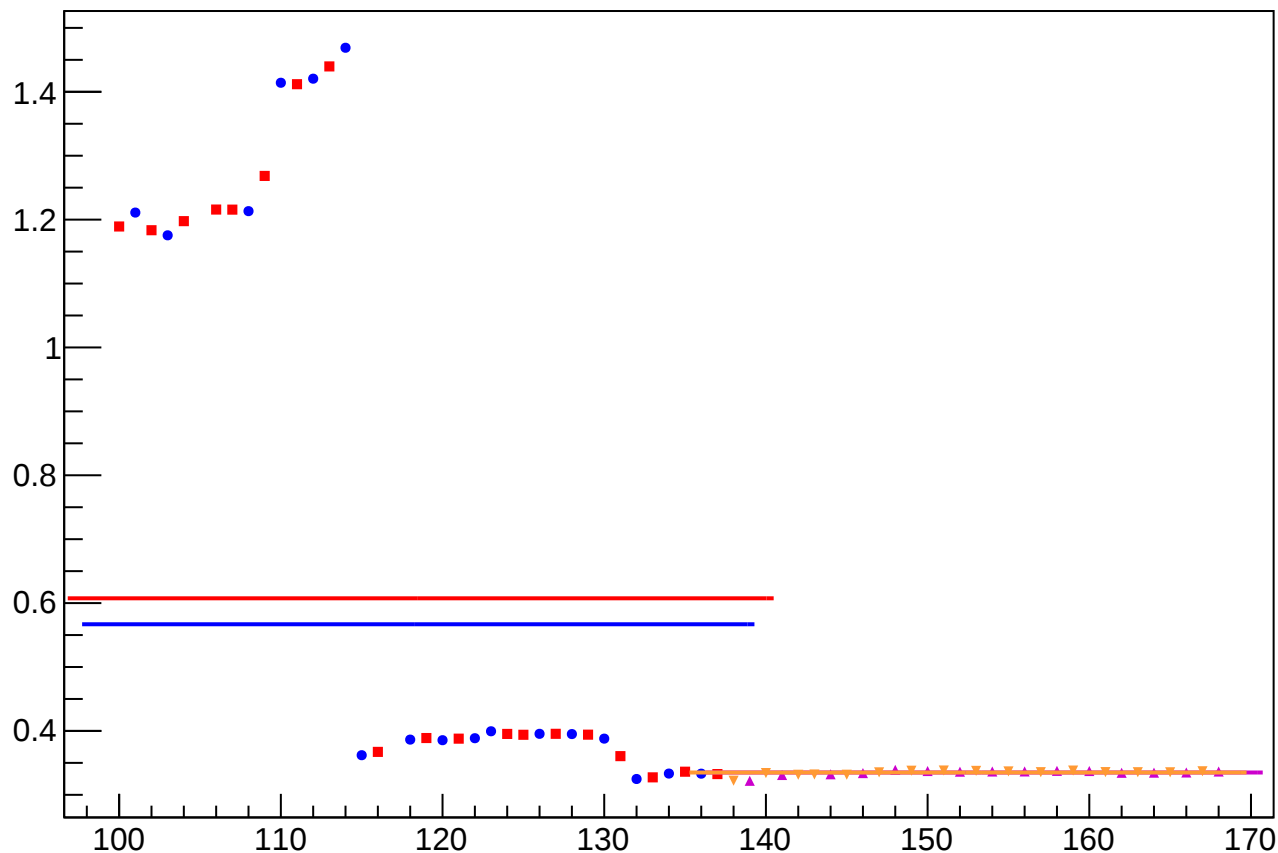
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.020+/-0.000 χ^2/NDF : 1714186.9/31

Out: 0.019+/-0.000 χ^2/NDF : 1874063.7/34

All: 0.019+/-0.000 χ^2/NDF : 3588517.6/66

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.335+/-0.000 χ^2/NDF :1093504.0/15

Right Out: 0.607+/-0.000 χ^2/NDF : 5505226431.3/18

Left In: 0.335+/-0.000 χ^2/NDF :1168639.2/14

Left: 0.335+/-0.000 χ^2/NDF : 2262152.7/30

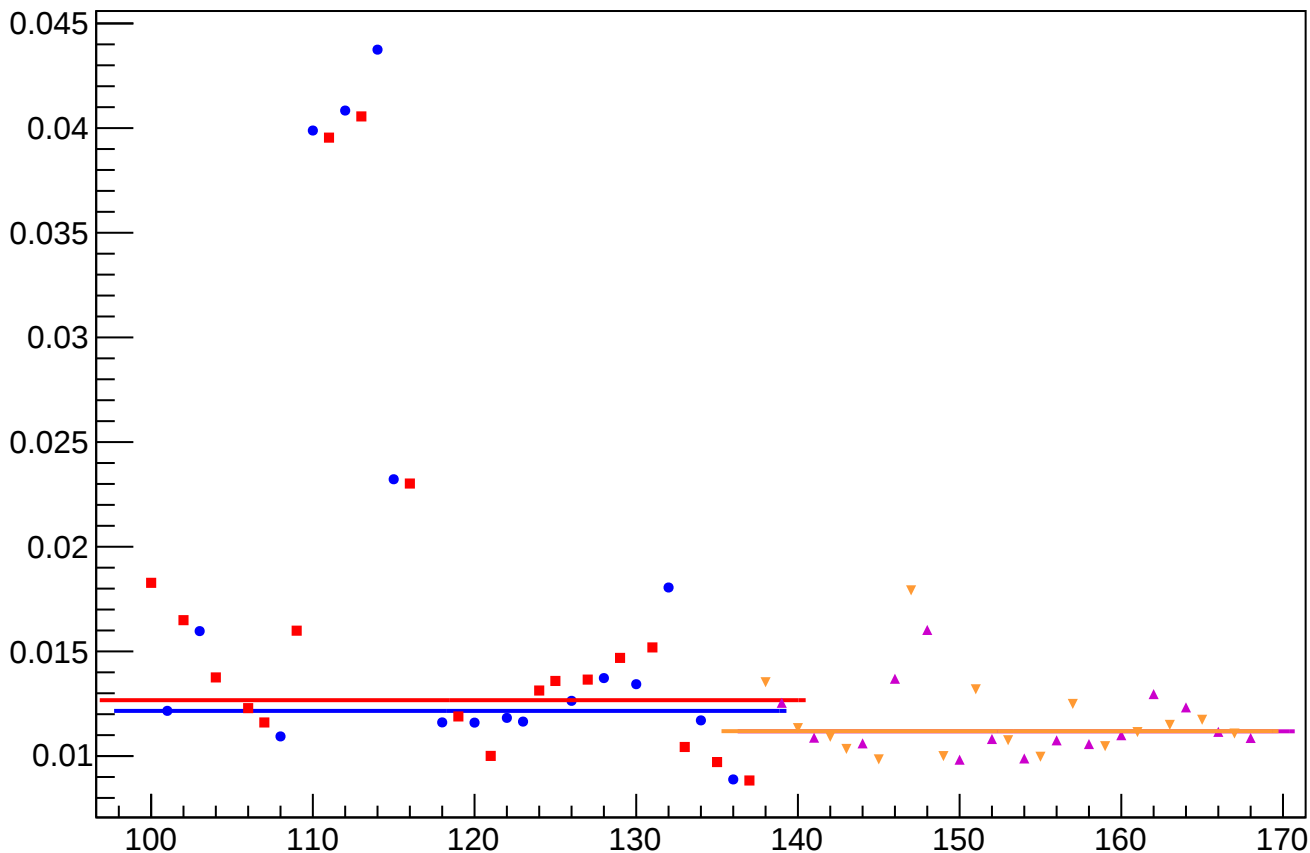
Right: 0.587+/-0.000 χ^2/NDF : 10552855690.4/35

In: 0.404+/-0.000 χ^2/NDF :6448032287.8/31

Out: 0.414+/-0.000 χ^2/NDF :7441064791.1/34

All: 0.409+/-0.000 χ^2/NDF : 13894988494.2/66

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:398807.2/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:323005.1/14

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 721816.9/30

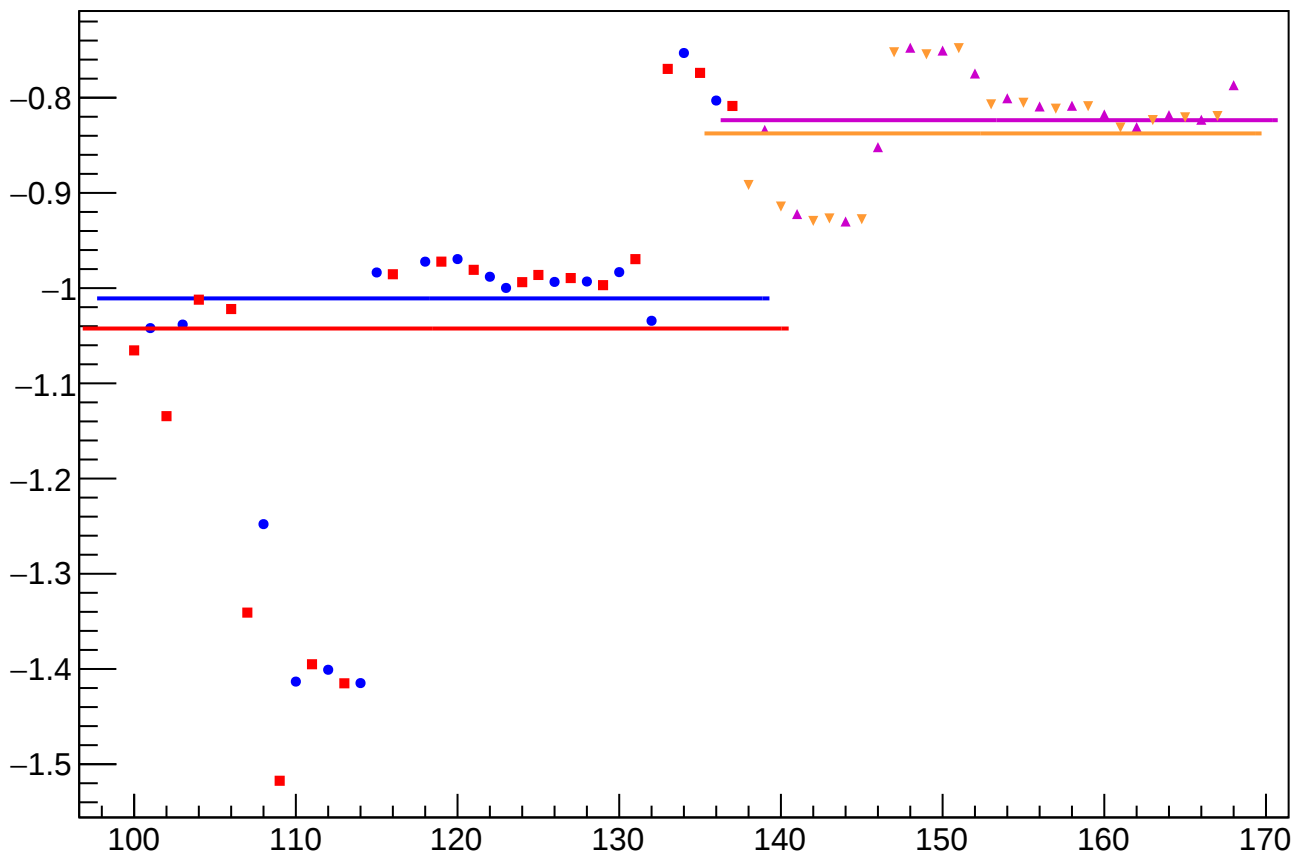
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2584926.4/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:1681522.1/31

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1780100.1/34

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3464265.7/66

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.838+/-0.000 χ^2/NDF : 93456070.9/15

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

Left In: -0.824+/-0.000 χ^2/NDF : 73020597.4/14

Left: -0.831+/-0.000 χ^2/NDF : 168834130.8/30

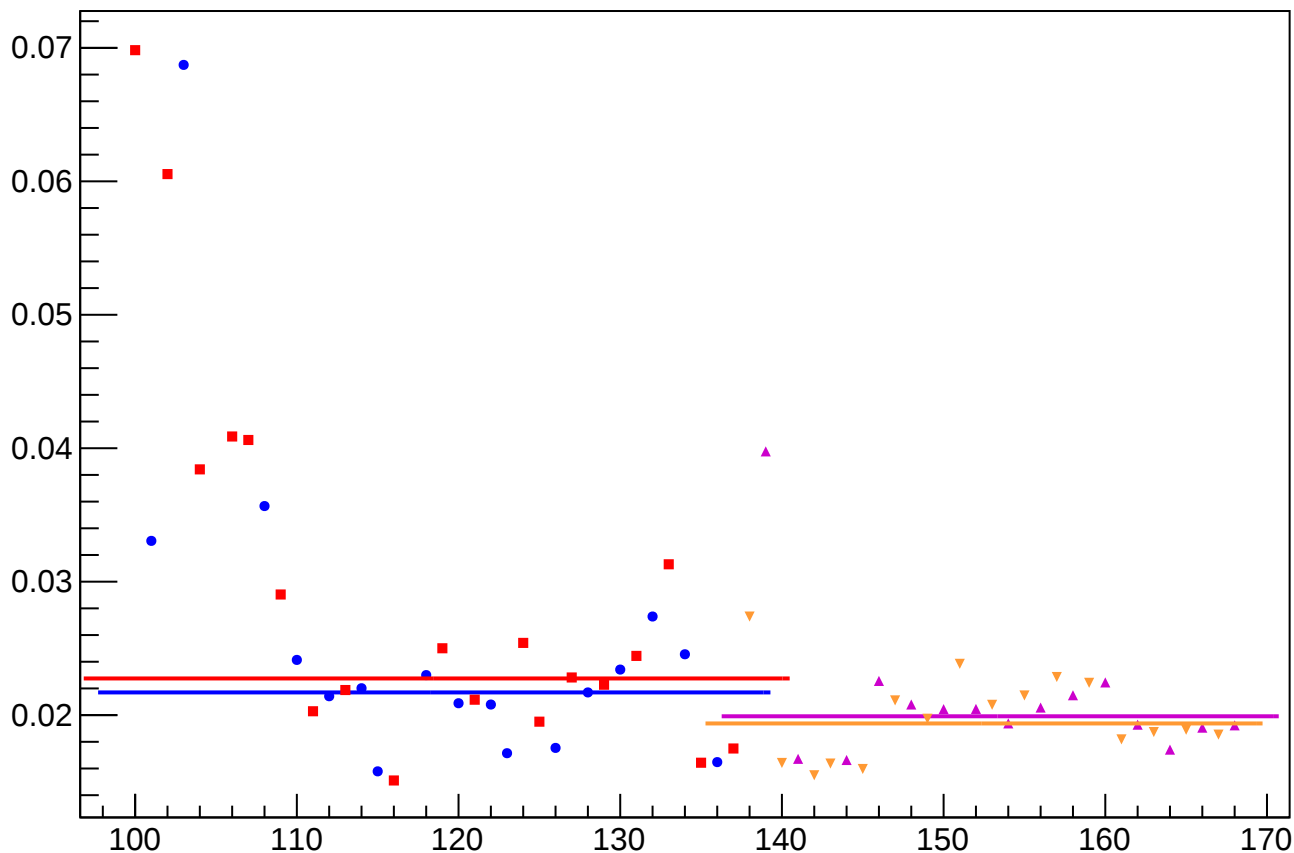
Right: -1.026+/-0.000 χ^2/NDF : 921337924.7/35

In: -0.882+/-0.000 χ^2/NDF : 718291722.6/31

Out: -0.897+/-0.000 χ^2/NDF : 928197988.8/34

All: -0.889+/-0.000 χ^2/NDF : 1650498599.1/6

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 979293.5/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 394317.1/15$

Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1152332.6/18$

Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 524182.9/14$

Left: 0.020 ± 0.000 $\chi^2/\text{NDF}: 925548.9/30$

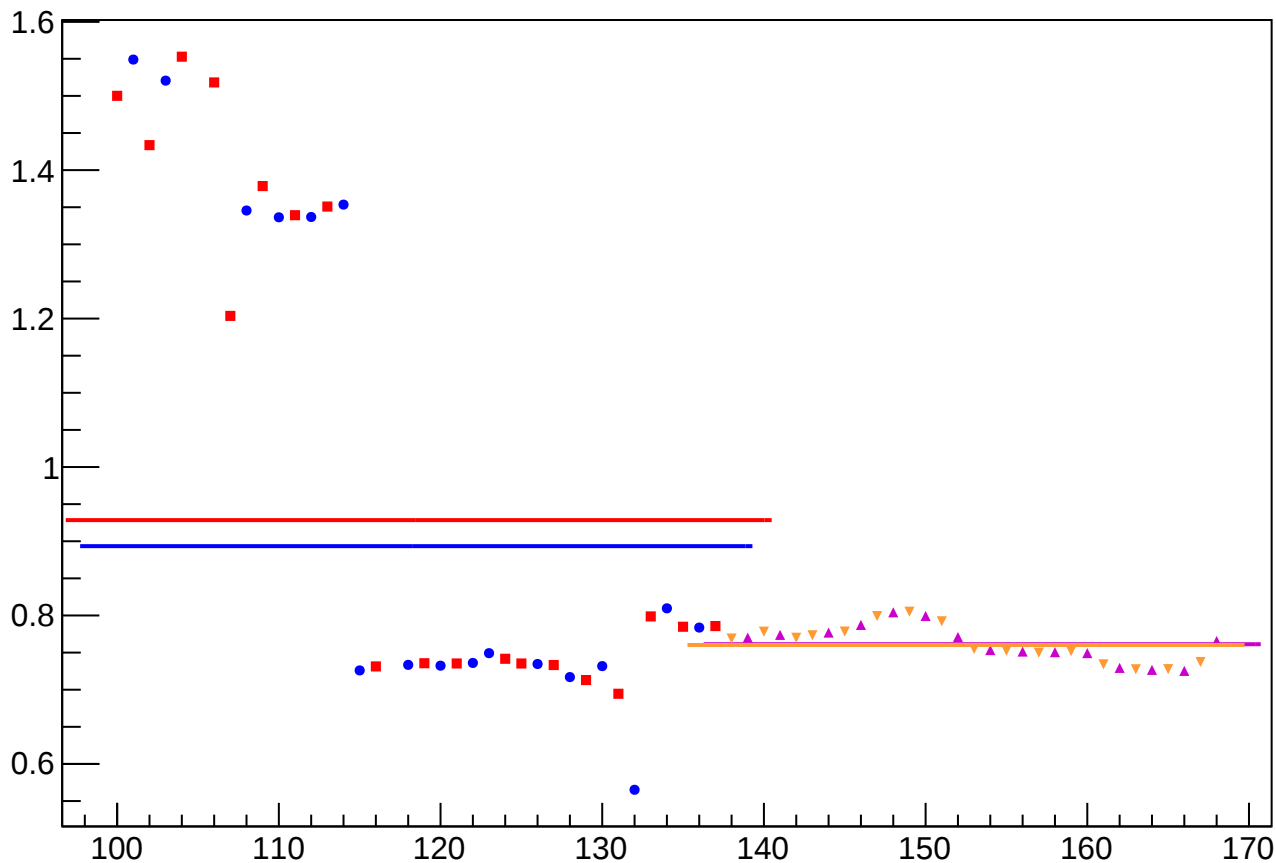
Right: 0.022 ± 0.000 $\chi^2/\text{NDF}: 2143091.8/35$

In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 1550577.6/31$

Out: 0.020 ± 0.000 $\chi^2/\text{NDF}: 1712261.3/34$

All: 0.020 ± 0.000 $\chi^2/\text{NDF}: 3263302.4/66$

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.760+/-0.000 χ^2/NDF : 36445555.1/15

Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

Left In: 0.761+/-0.000 χ^2/NDF : 32621848.5/14

Left: 0.761+/-0.000 χ^2/NDF : 69104040.1/30

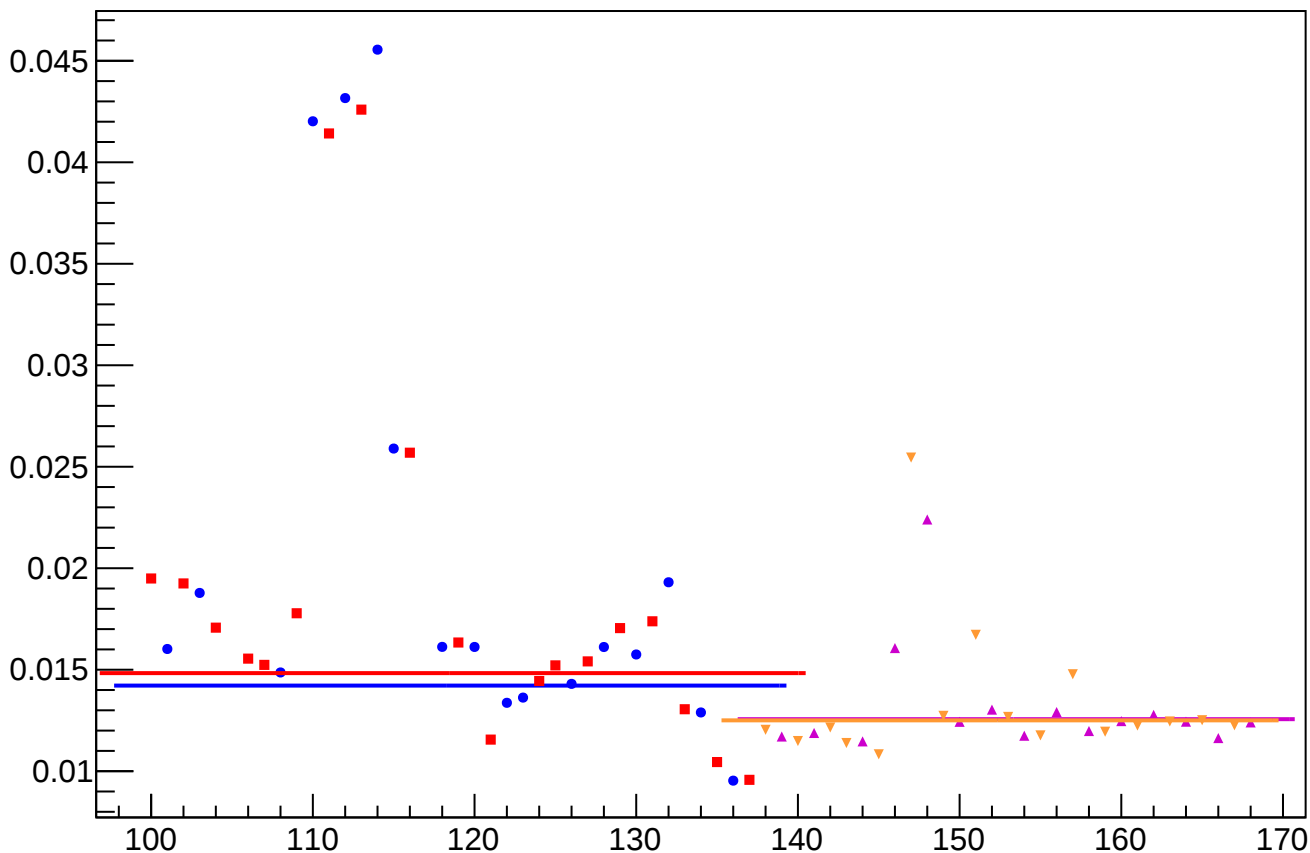
Right: 0.911+/-0.000 χ^2/NDF : 4860512064.2/35

In: 0.798+/-0.000 χ^2/NDF : 2787764184.8/31

Out: 0.806+/-0.000 χ^2/NDF : 3030524807.4/34

All: 0.802+/-0.000 χ^2/NDF : 5821475279.5/66

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.013+/-0.000 χ^2/NDF :584464.0/15

Right Out: 0.015+/-0.000 χ^2/NDF : 1269559.2/18

Left In: 0.013+/-0.000 χ^2/NDF :413395.7/14

Left: 0.013+/-0.000 χ^2/NDF : 998102.7/30

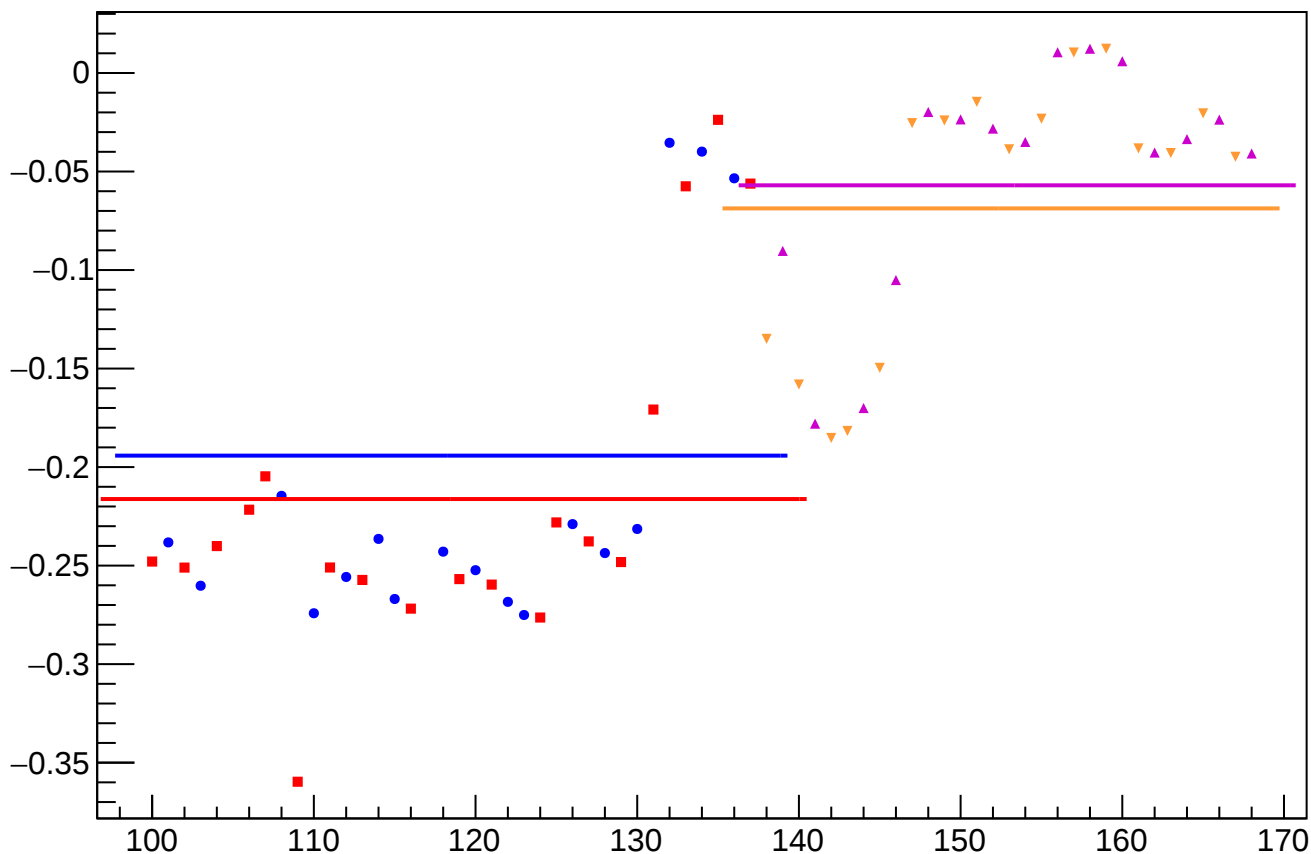
Right: 0.015+/-0.000 χ^2/NDF : 2689500.8/35

In: 0.013+/-0.000 χ^2/NDF :1931872.3/31

Out: 0.013+/-0.000 χ^2/NDF :2067847.8/34

All: 0.013+/-0.000 χ^2/NDF : 4001037.3/66

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194 ± 0.000 $\chi^2/\text{NDF}: 108425823.4/16$

Left Out: -0.069 ± 0.000 $\chi^2/\text{NDF}: 114547777.4/15$

Right Out: -0.216 ± 0.000 $\chi^2/\text{NDF}: 111036295.0/18$

Left In: -0.057 ± 0.000 $\chi^2/\text{NDF}: 97281493.8/14$

Left: -0.063 ± 0.000 $\chi^2/\text{NDF}: 213535307.9/30$

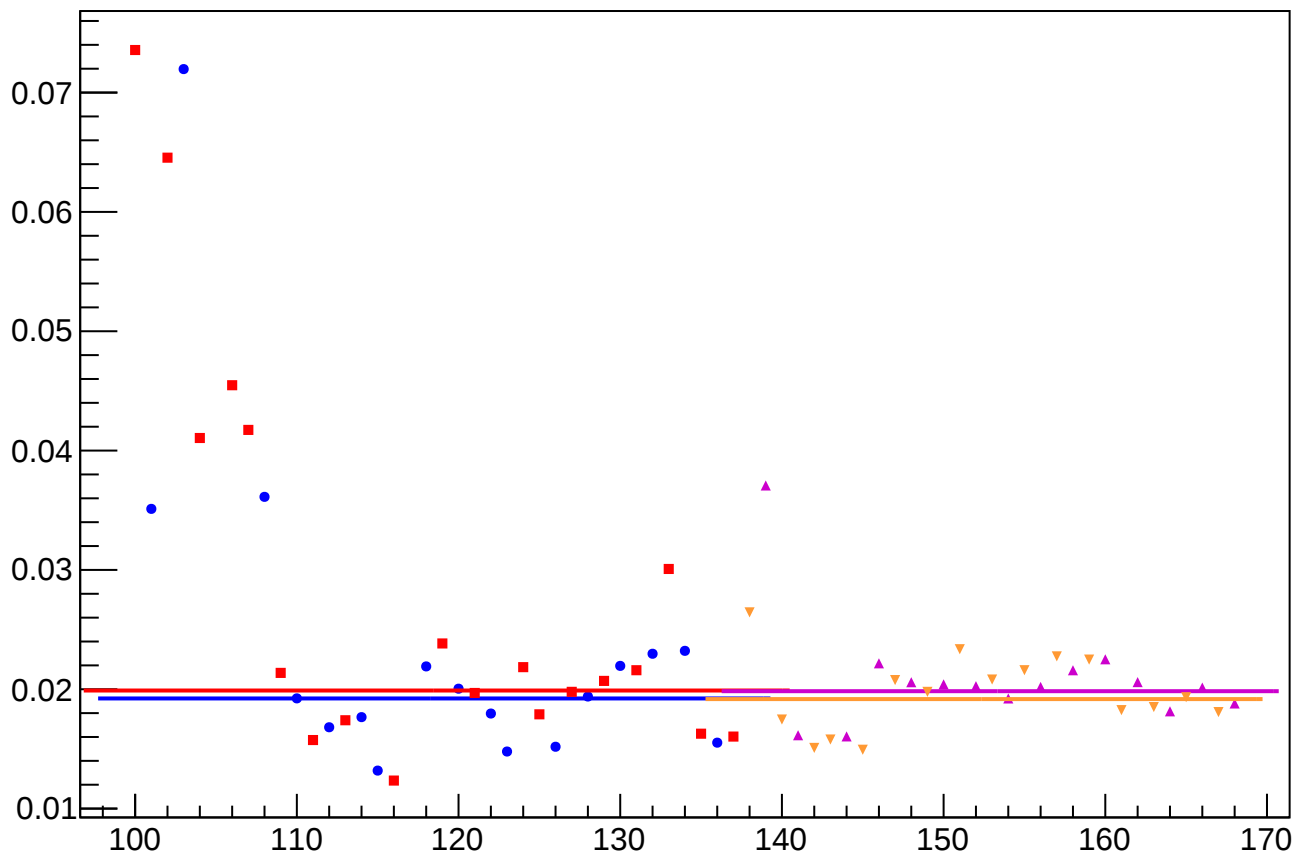
Right: -0.205 ± 0.000 $\chi^2/\text{NDF}: 222671892.3/35$

In: -0.106 ± 0.000 $\chi^2/\text{NDF}: 367516526.8/31$

Out: -0.118 ± 0.000 $\chi^2/\text{NDF}: 414339275.8/34$

All: -0.112 ± 0.000 $\chi^2/\text{NDF}: 784667491.8/66$

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 : 425783.9/15

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 506019.2/14

Left: 0.019+/-0.000 χ^2/NDF : 942701.3/30

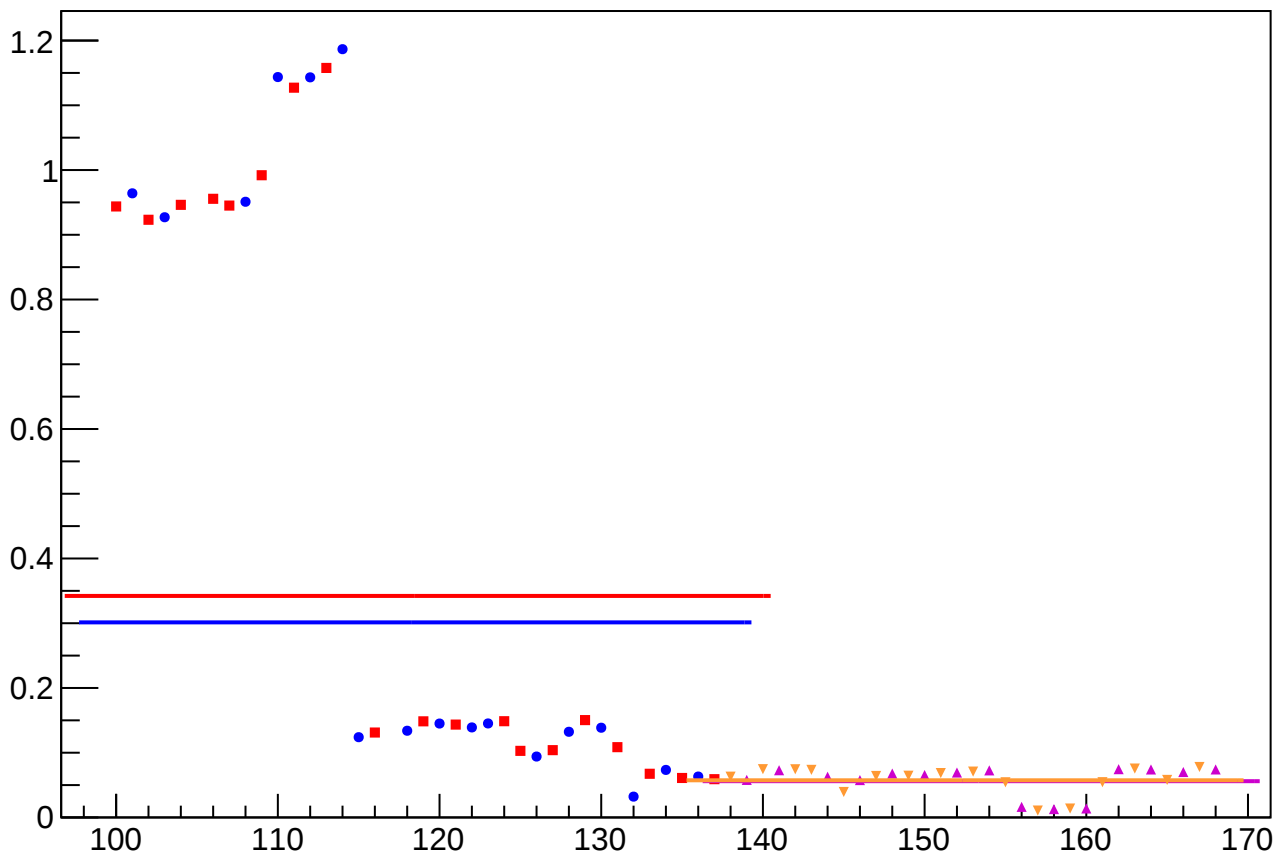
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.020+/-0.000 χ^2/NDF : 1686972.8/31

Out: 0.019+/-0.000 χ^2/NDF : 1879187.8/34

All: 0.020+/-0.000 χ^2/NDF : 3567719.1/66

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.057+/-0.000 χ^2/NDF : 40315064.5/15

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

Left In: 0.056+/-0.000 χ^2/NDF : 50965873.0/14

Left: 0.057+/-0.000 χ^2/NDF : 91367804.5/30

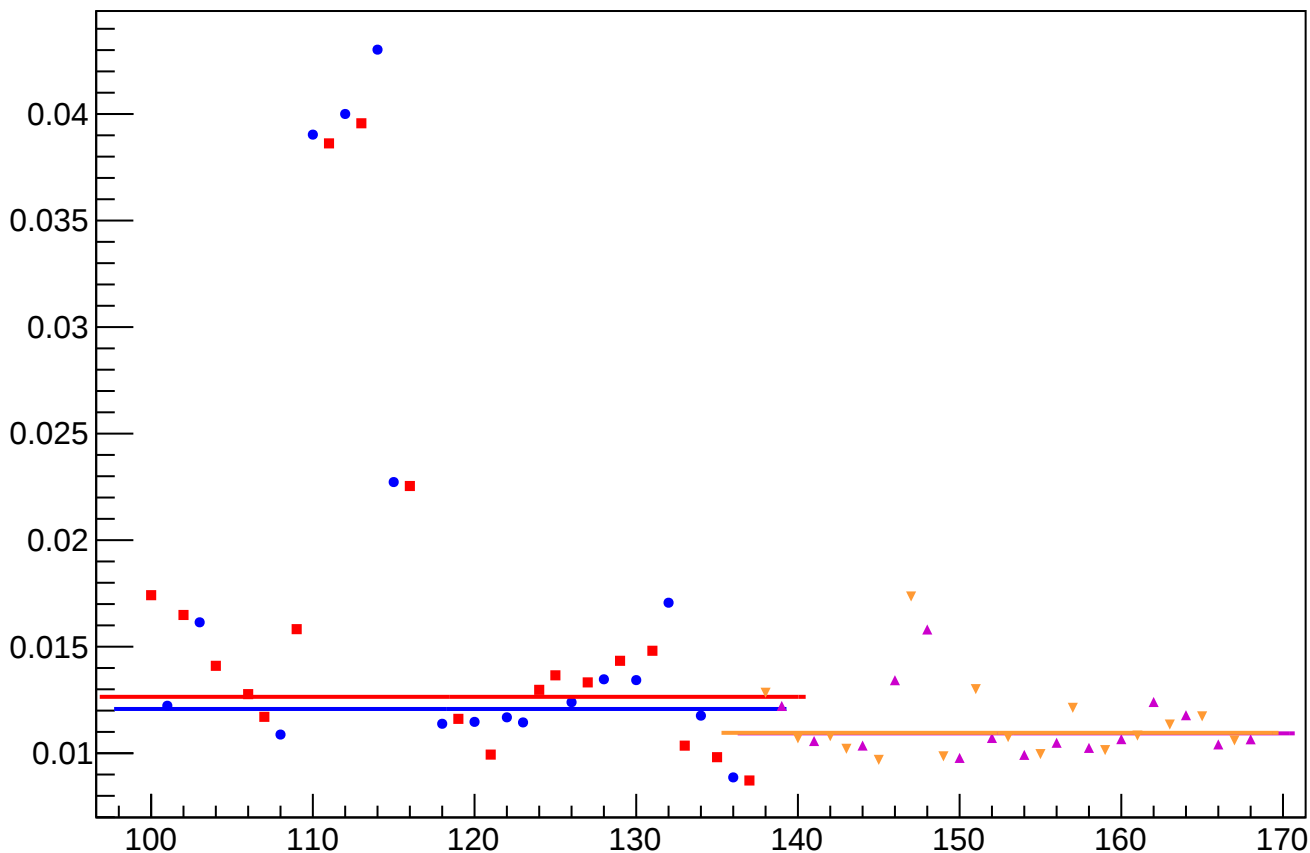
Right: 0.321+/-0.000 χ^2/NDF : 10628899850.1/35

In: 0.128+/-0.000 χ^2/NDF : 6842426665.9/31

Out: 0.137+/-0.000 χ^2/NDF : 7627864187.4/34

All: 0.133+/-0.000 χ^2/NDF : 14476523307.3/68

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 371854.2/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 302774.9/14

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 674687.7/30

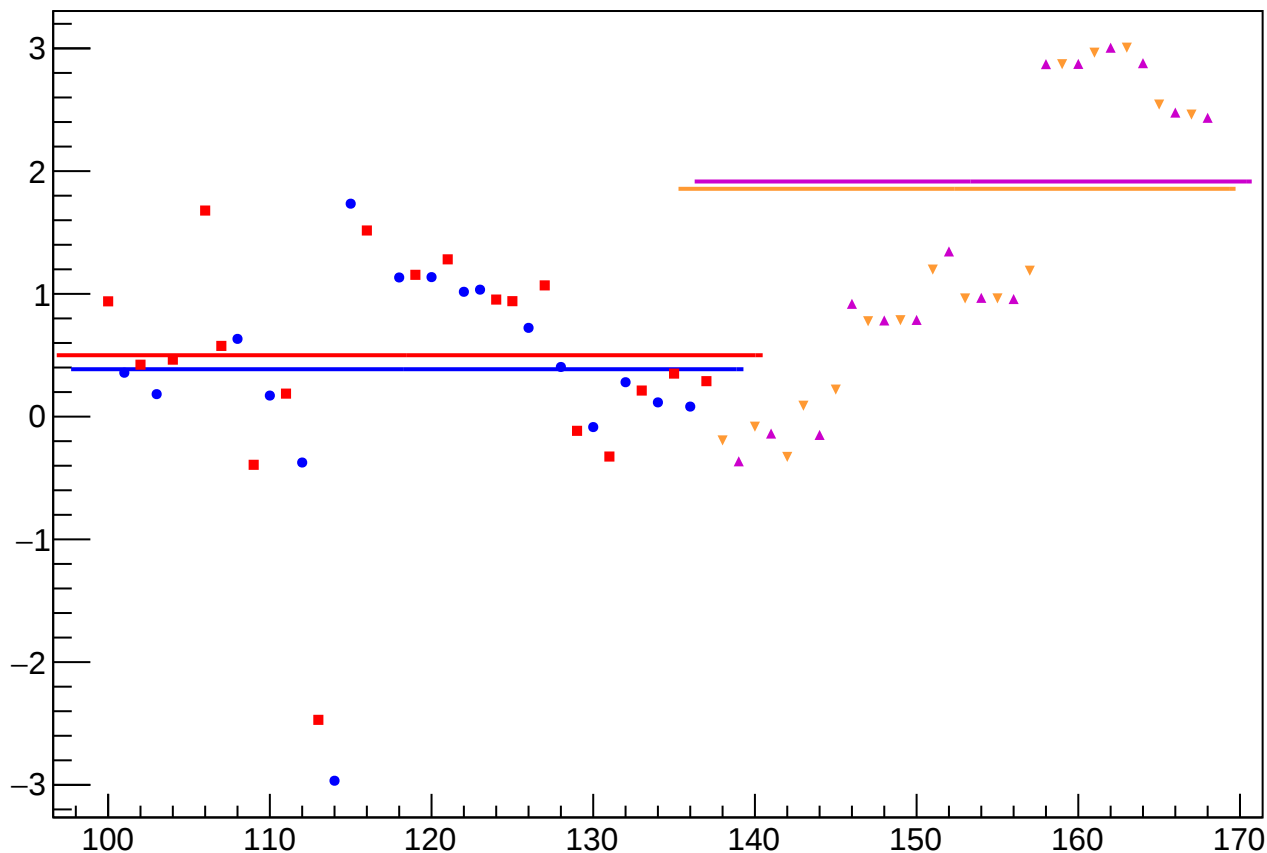
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2528646.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF: 1654362.5/31

Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1758889.7/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3416849.9/66

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.856+/-0.000 χ^2/NDF :26346047214.0/15

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

Left In: 1.916+/-0.000 χ^2/NDF :27762141271.7/14

Left: 1.887+/-0.000 χ^2/NDF : 54160649847.4/30

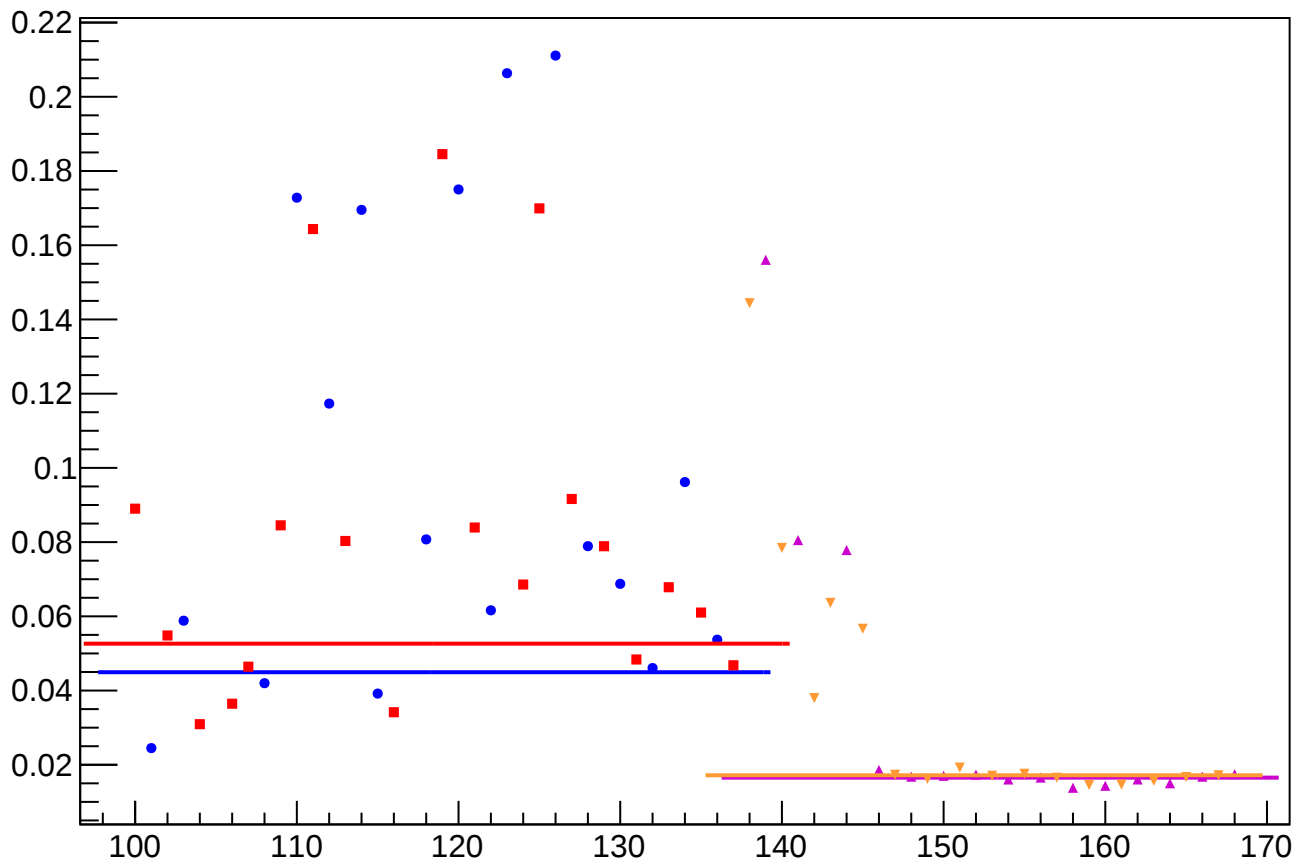
Right: 0.439+/-0.000 χ^2/NDF : 1240216918.3/35

In: 1.834+/-0.000 χ^2/NDF :31877483163.5/31

Out: 1.788+/-0.000 χ^2/NDF :29928947614.6/34

All: 1.812+/-0.000 χ^2/NDF : 61838885058.9/6

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2733424.0/15

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

Left In: 0.017+/-0.000 χ^2/NDF : 2406771.5/14

Left: 0.017+/-0.000 χ^2/NDF : 5152253.8/30

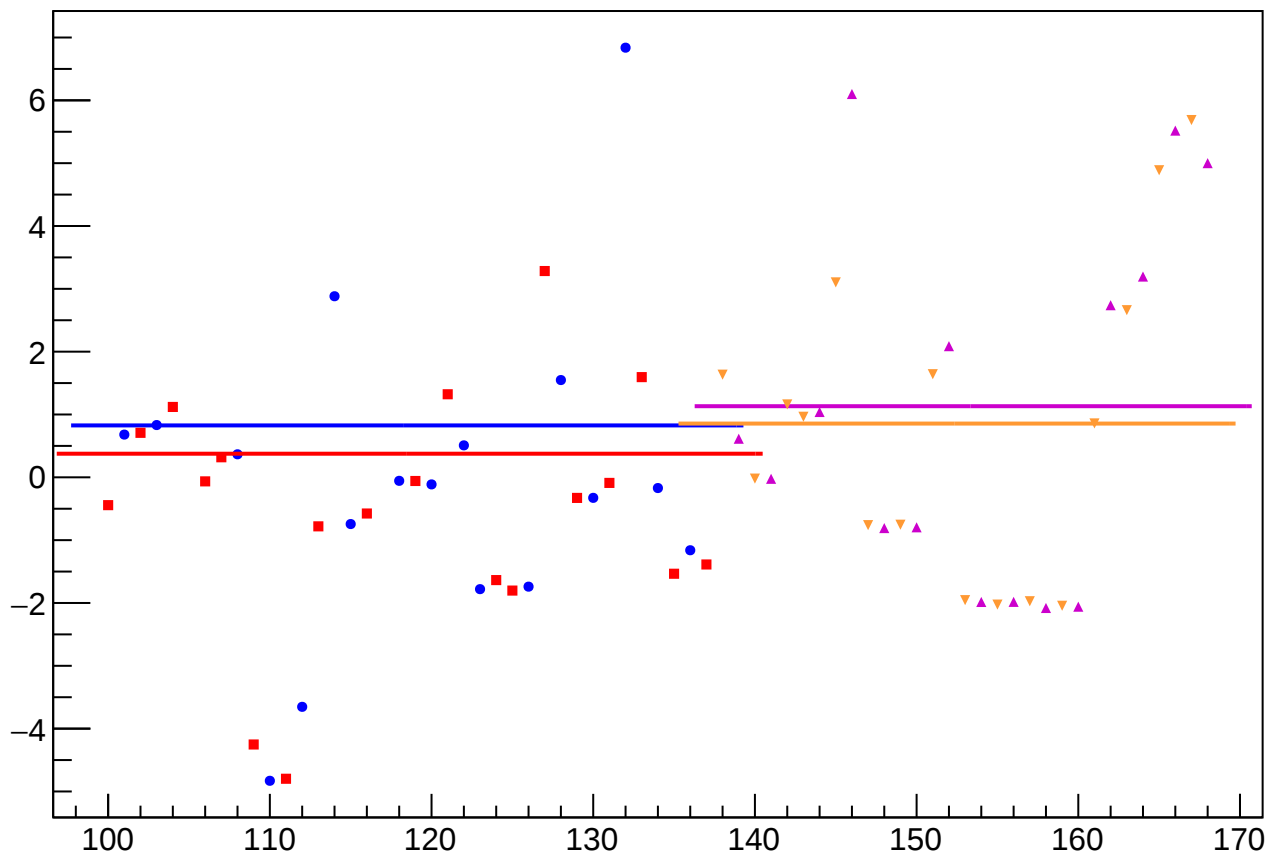
Right: 0.048+/-0.000 χ^2/NDF : 5075265.3/35

In: 0.018+/-0.000 χ^2/NDF : 7864076.1/31

Out: 0.019+/-0.000 χ^2/NDF : 8481333.3/34

All: 0.018+/-0.000 χ^2/NDF : 16370259.5/66

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.855+/-0.000 χ^2/NDF : 361488340124.3/15

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

Left In: 1.132+/-0.000 χ^2/NDF : 475105137873.2/14

Left: 0.999+/-0.000 χ^2/NDF : 838421151869.6/30

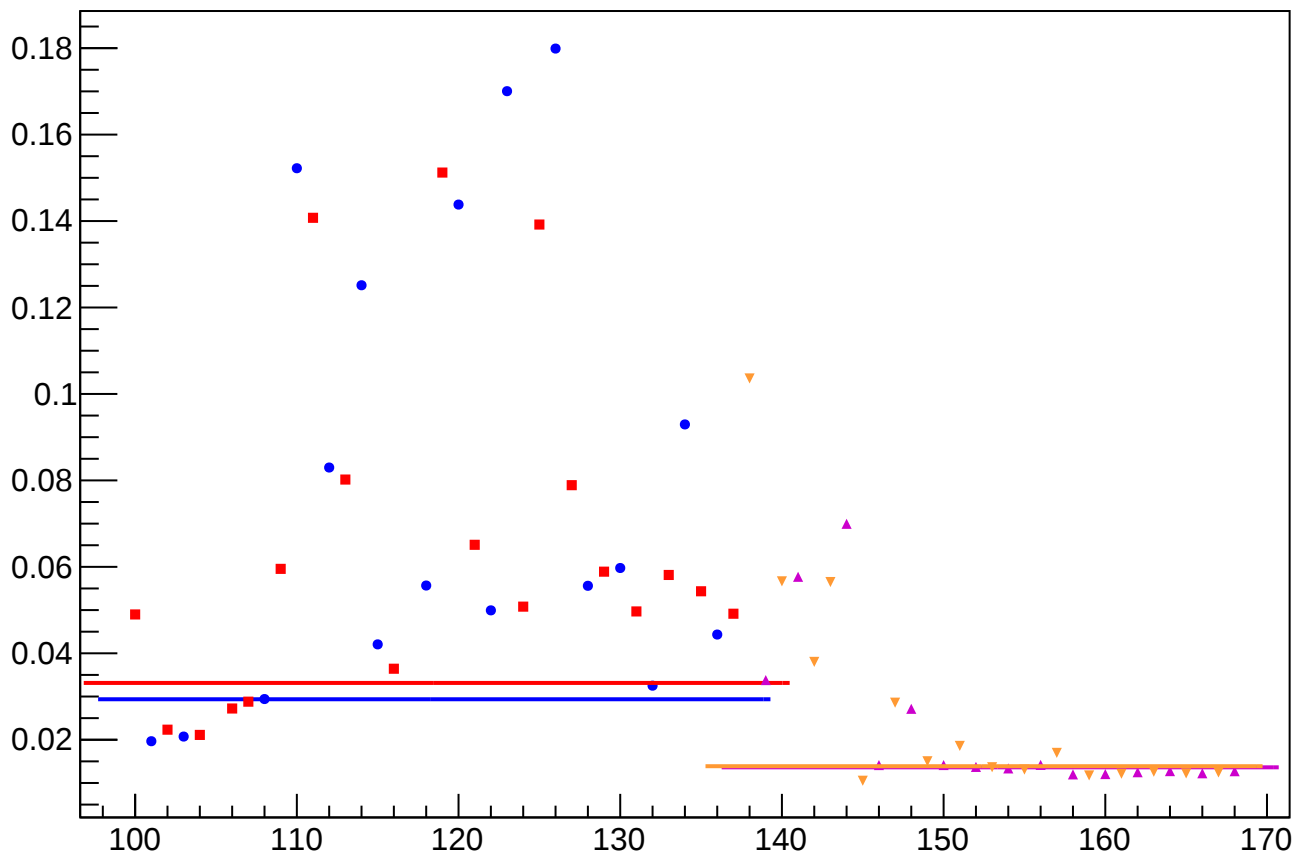
Right: 0.614+/-0.000 χ^2/NDF : 16267855103.5/35

In: 1.110+/-0.000 χ^2/NDF : 486391459296.4/31

Out: 0.822+/-0.000 χ^2/NDF : 367182352187.3/34

All: 0.972+/-0.000 χ^2/NDF : 855710227130.7

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.014+/-0.000 χ^2/NDF :2835596.4/15

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

Left In: 0.014+/-0.000 χ^2/NDF :1889974.8/14

Left: 0.014+/-0.000 χ^2/NDF : 4728762.2/30

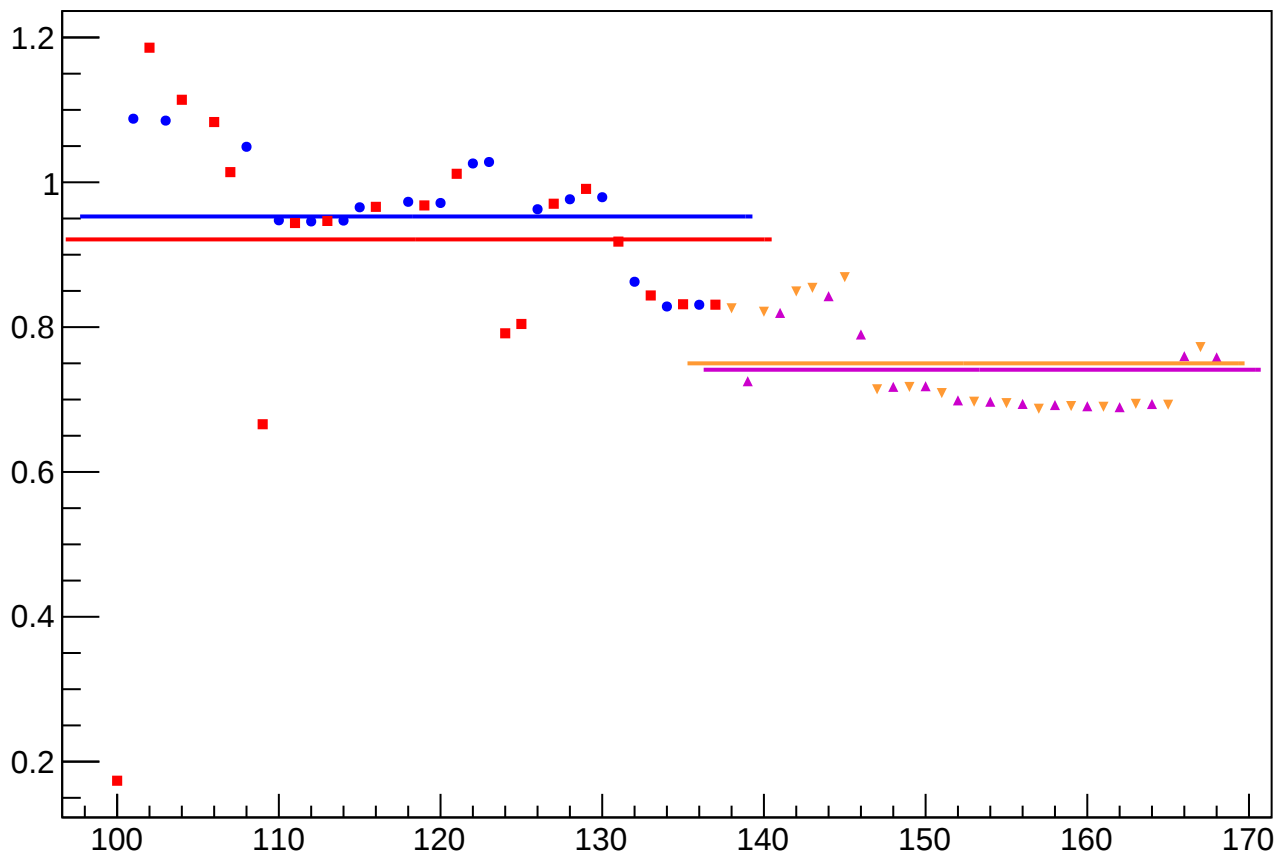
Right: 0.031+/-0.000 χ^2/NDF : 6139085.6/35

In: 0.015+/-0.000 χ^2/NDF :6685158.2/31

Out: 0.015+/-0.000 χ^2/NDF :8344855.6/34

All: 0.015+/-0.000 χ^2/NDF : 15041244.4/66

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.750+/-0.000 χ^2/NDF :260498309.3/15

Right Out: 0.921+/-0.000 χ^2/NDF : 374151585.5/18

Left In: 0.741+/-0.000 χ^2/NDF :156547763.0/14

Left: 0.746+/-0.000 χ^2/NDF : 419190134.5/30

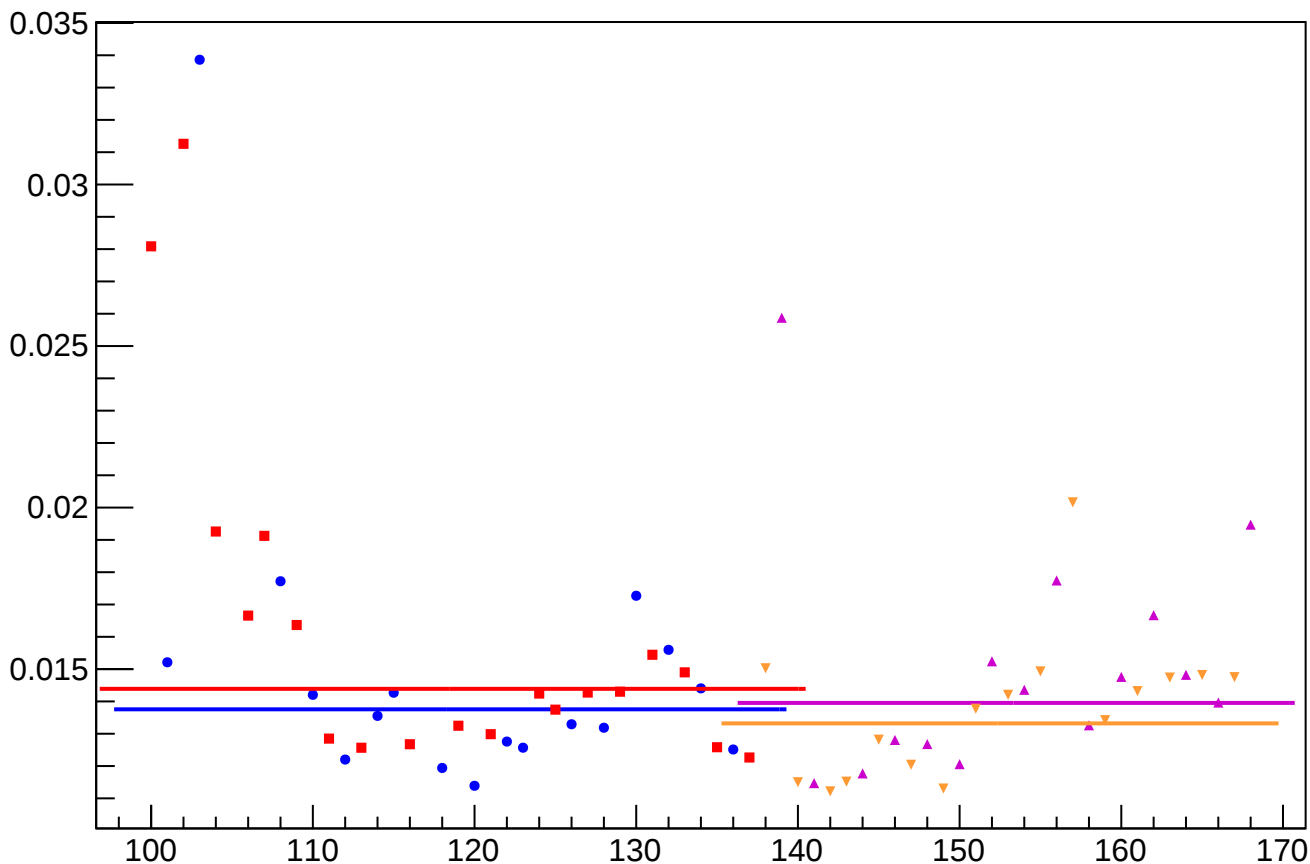
Right: 0.937+/-0.000 χ^2/NDF : 564889848.1/35

In: 0.819+/-0.000 χ^2/NDF :1196250915.1/31

Out: 0.808+/-0.000 χ^2/NDF :1205303522.8/34

All: 0.813+/-0.000 χ^2/NDF : 2406786820.0/66

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 : 369777.0/15

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

Left In: 0.014+/-0.000 χ^2/NDF : 728567.4/14

Left: 0.014+/-0.000 χ^2/NDF : 1120519.5/30

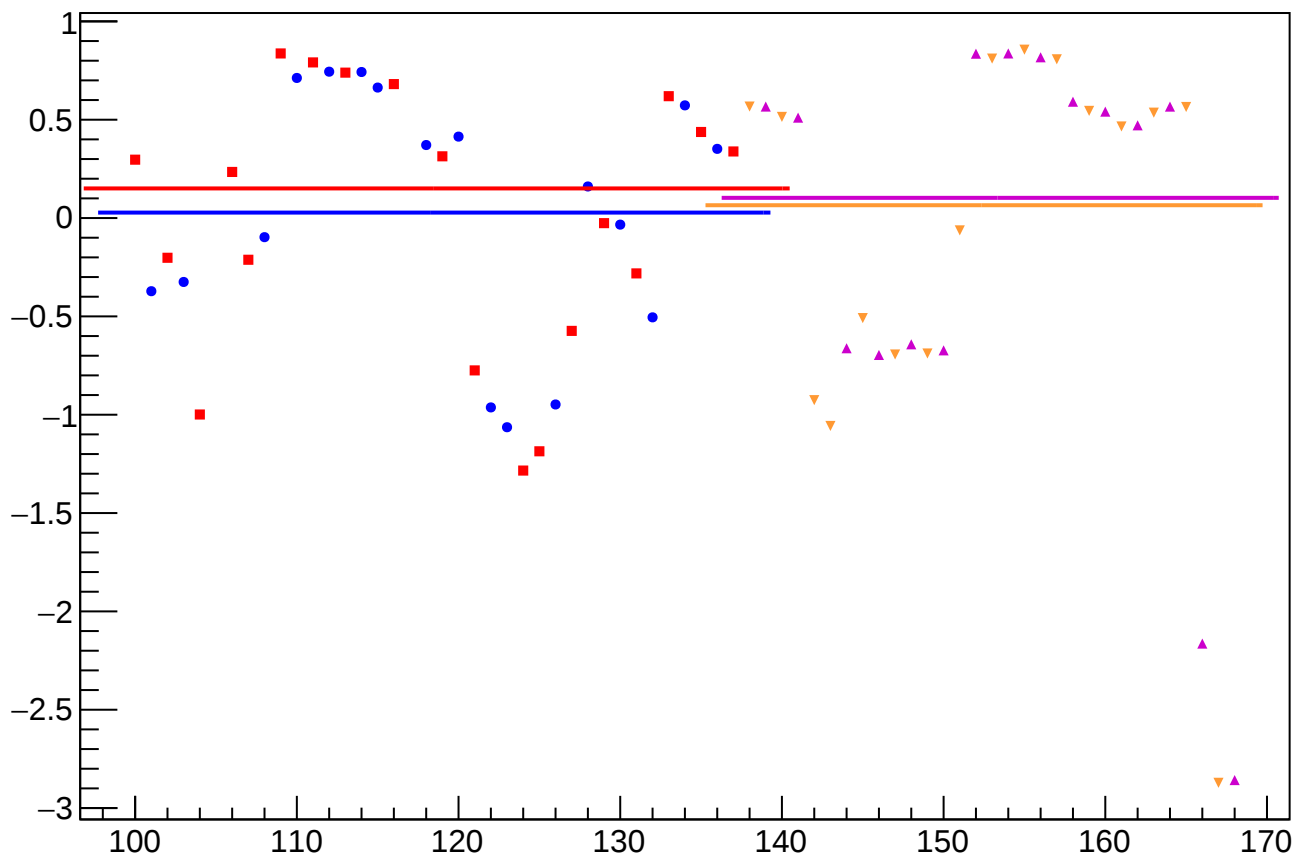
Right: 0.014+/-0.000 χ^2/NDF : 1054284.2/35

In: 0.014+/-0.000 χ^2/NDF : 1268556.1/31

Out: 0.014+/-0.000 χ^2/NDF : 918129.7/34

All: 0.014+/-0.000 χ^2/NDF : 2190149.9/66

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000

χ^2/NDF : 6276955529.7/16

Left: 0.084+/-0.000 χ^2/NDF : 134018153835.9/30

Right: 0.095+/-0.000 χ^2/NDF : 19125643372.9/35

Left Out: 0.065+/-0.000

χ^2/NDF : 61937261433.8/15

In: 0.084+/-0.000 χ^2/NDF : 78406486007.2/31

Right Out: 0.151+/-0.000 χ^2/NDF : 12653743155.9/18

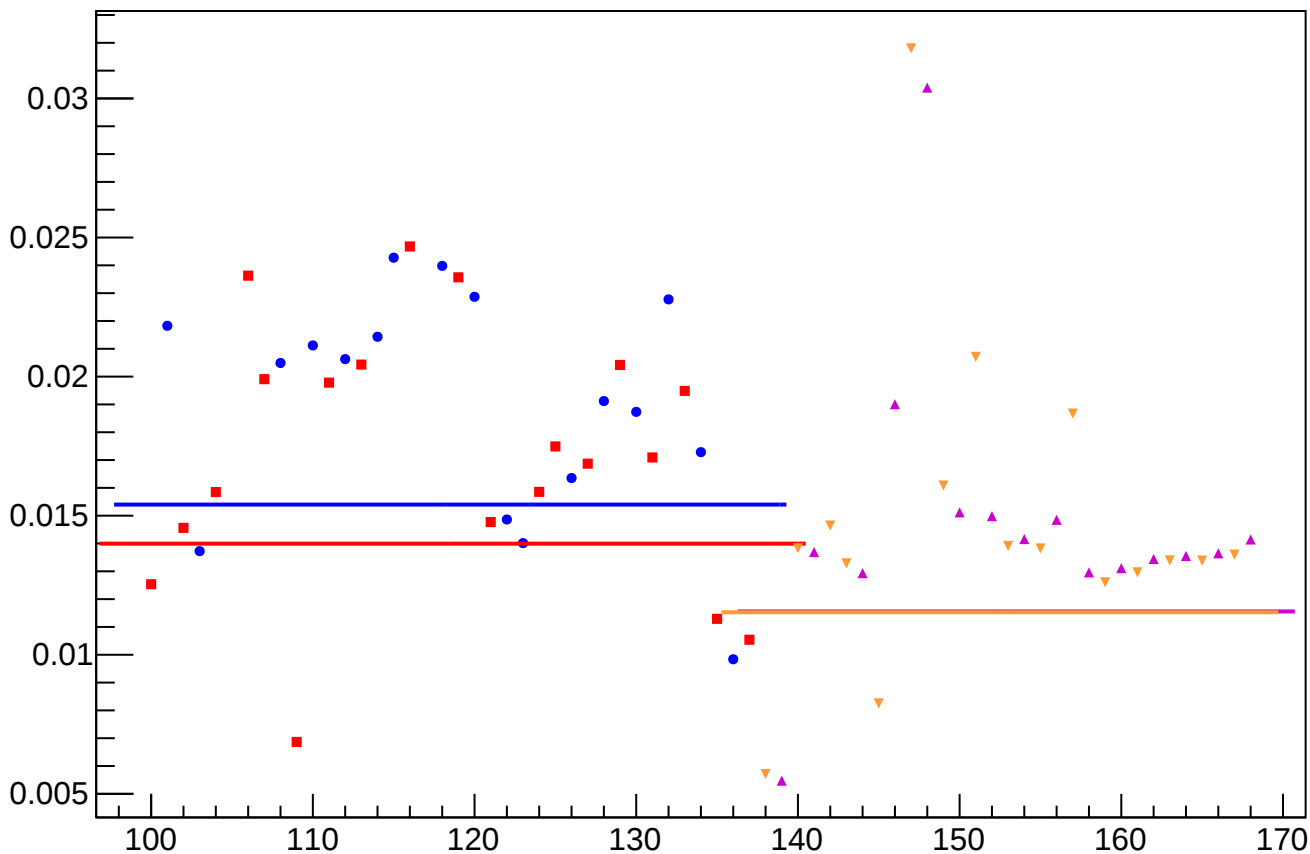
Out: 0.089+/-0.000 χ^2/NDF : 74740946940.9/34

Left In: 0.103+/-0.000

χ^2/NDF : 72029324256.1/14

All: 0.087+/-0.000 χ^2/NDF : 153148542329.3

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 : 2943562.5/15

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

Left In: 0.012+/-0.000 χ^2/NDF : 3007919.3/14

Left: 0.012+/-0.000 χ^2/NDF : 5951544.8/30

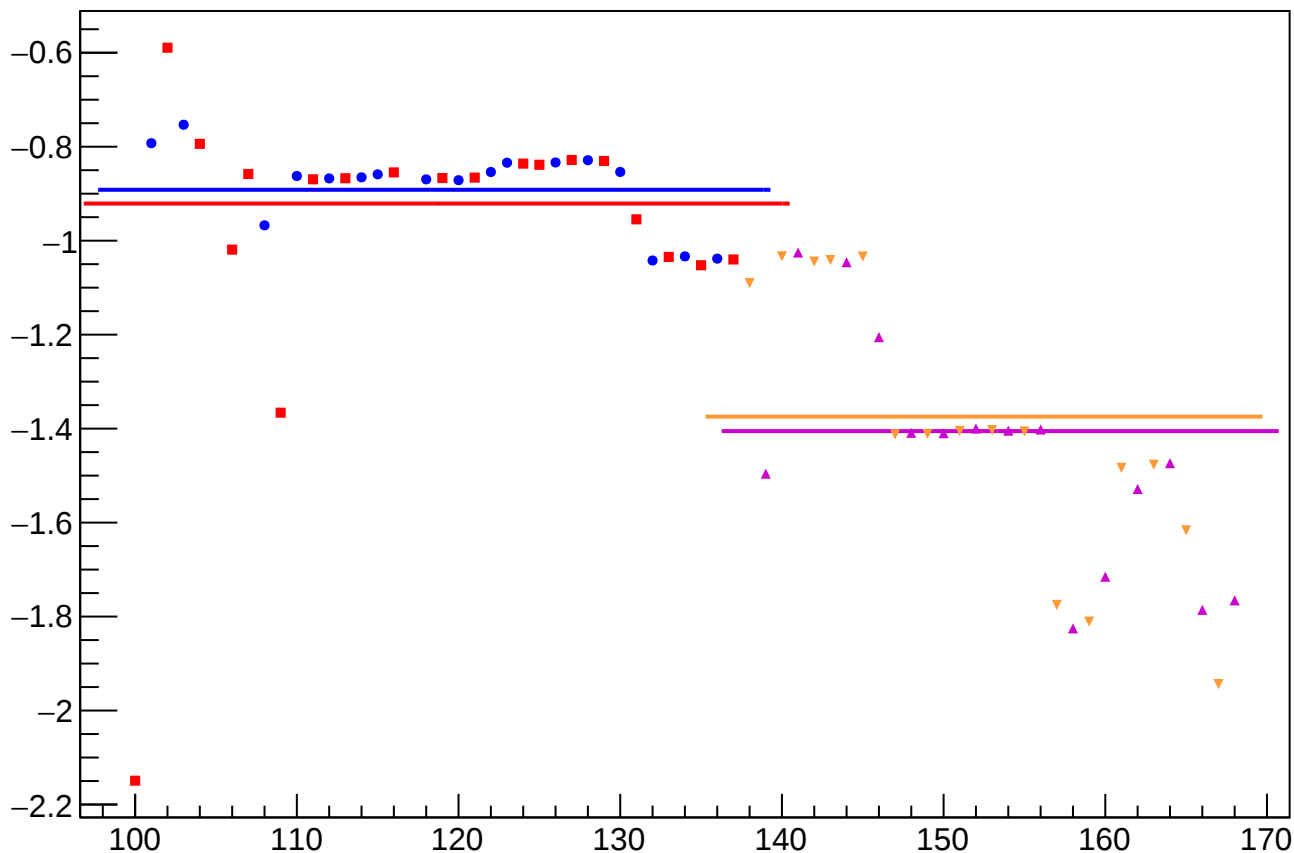
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.012+/-0.000 χ^2/NDF : 4676015.8/31

Out: 0.012+/-0.000 χ^2/NDF : 4755247.6/34

All: 0.012+/-0.000 χ^2/NDF : 9439020.5/66

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.375+/-0.000 χ^2/NDF : 642542621.2/15

Right Out: -0.921+/-0.000 χ^2/NDF : 131159330.1/18

Left In: -1.405+/-0.000 χ^2/NDF : 509184416.7/14

Left: -1.389+/-0.000 χ^2/NDF : 1155647159.1/30

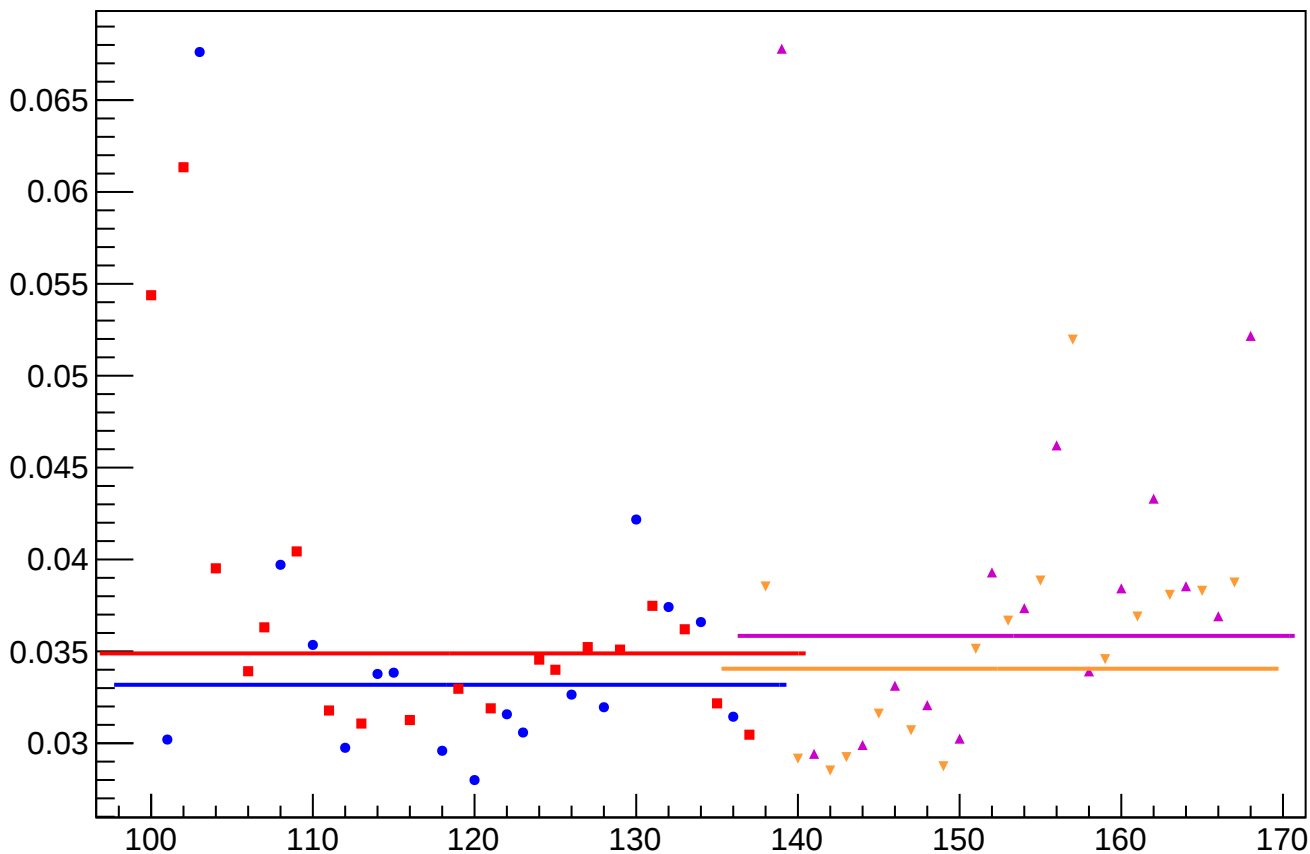
Right: -0.906+/-0.000 χ^2/NDF : 173170801.3/35

In: -1.200+/-0.000 χ^2/NDF : 1383998743.2/31

Out: -1.209+/-0.000 χ^2/NDF : 1433288470.2/34

All: -1.204+/-0.000 χ^2/NDF : 2817866030.7/6

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.034+/-0.000 χ^2/NDF : 410377.5/15

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

Left In: 0.036+/-0.000 χ^2/NDF : 812491.7/14

Left: 0.035+/-0.000 χ^2/NDF : 1249466.0/30

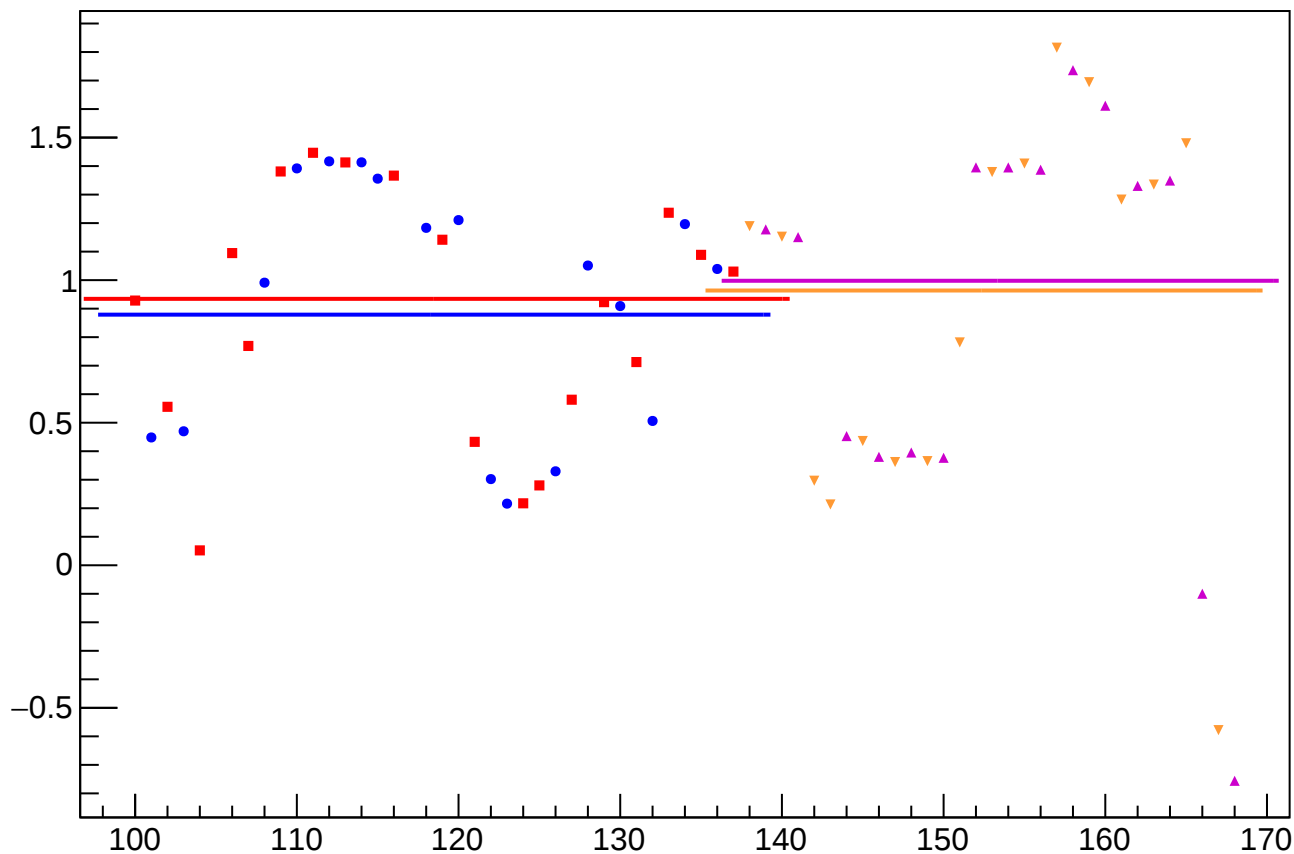
Right: 0.034+/-0.000 χ^2/NDF : 690186.6/35

In: 0.035+/-0.000 χ^2/NDF : 1257485.4/31

Out: 0.034+/-0.000 χ^2/NDF : 689847.8/34

All: 0.035+/-0.000 χ^2/NDF : 1949685.8/66

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000

χ^2/NDF : 6371602566.2/16

Left: 0.981+/-0.000 χ^2/NDF : 110614110076.7/30

Right: 0.908+/-0.000 χ^2/NDF : 16282606826.3/35

Left Out: 0.964+/-0.000

χ^2/NDF : 53396227703.4/15

In: 0.965+/-0.000 χ^2/NDF : 64045414714.5/31

Right Out: 0.934+/-0.000

χ^2/NDF : 9827120184.9/18

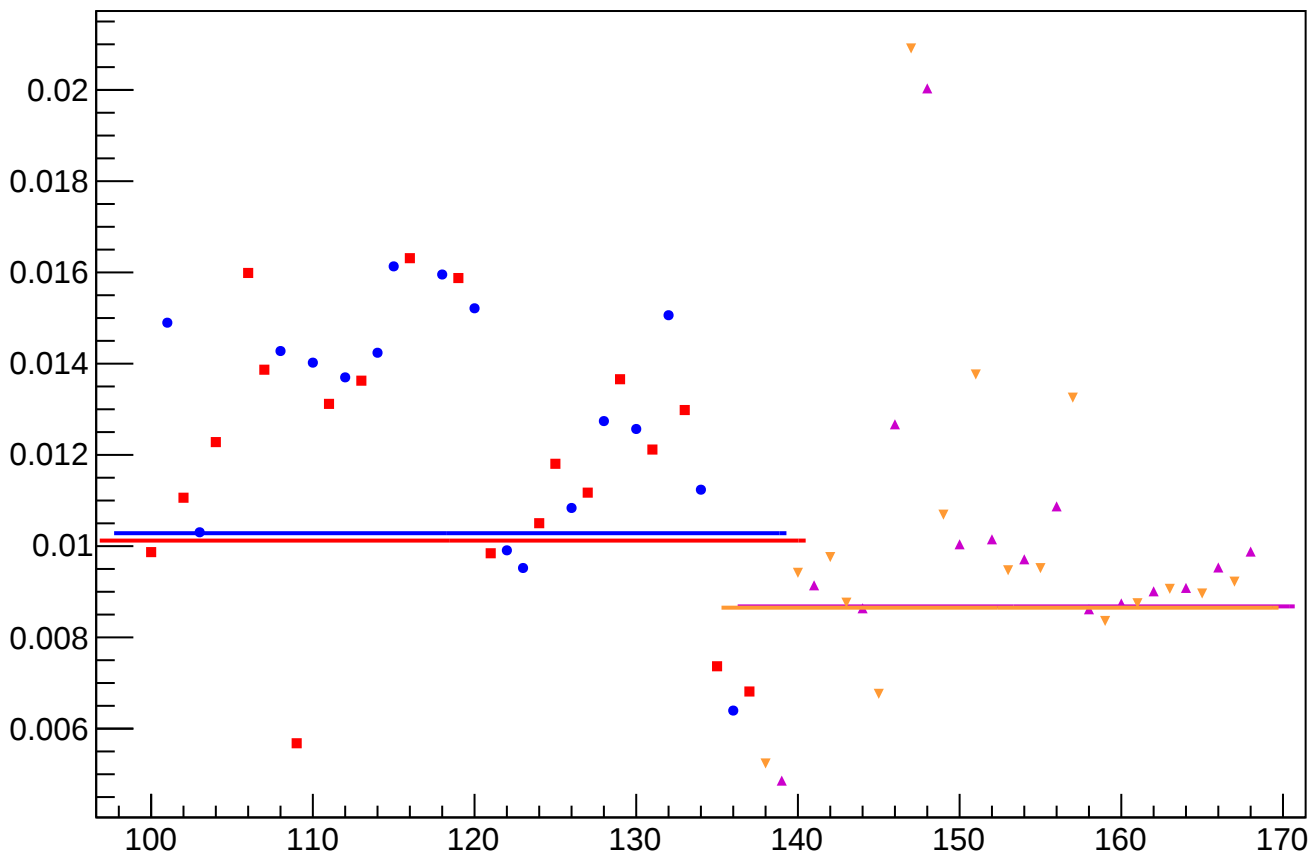
Out: 0.955+/-0.000 χ^2/NDF : 63258064759.3/34

Left In: 0.998+/-0.000

χ^2/NDF : 57136655173.2/14

All: 0.960+/-0.000 χ^2/NDF : 127312803041.7

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 ± 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.009 ± 0.000 χ^2/NDF : 1665842.8/15

Right Out: 0.010 ± 0.000 χ^2/NDF : 1176642.1/18

Left In: 0.009 ± 0.000 χ^2/NDF : 1652887.3/14

Left: 0.009 ± 0.000 χ^2/NDF : 3318841.3/30

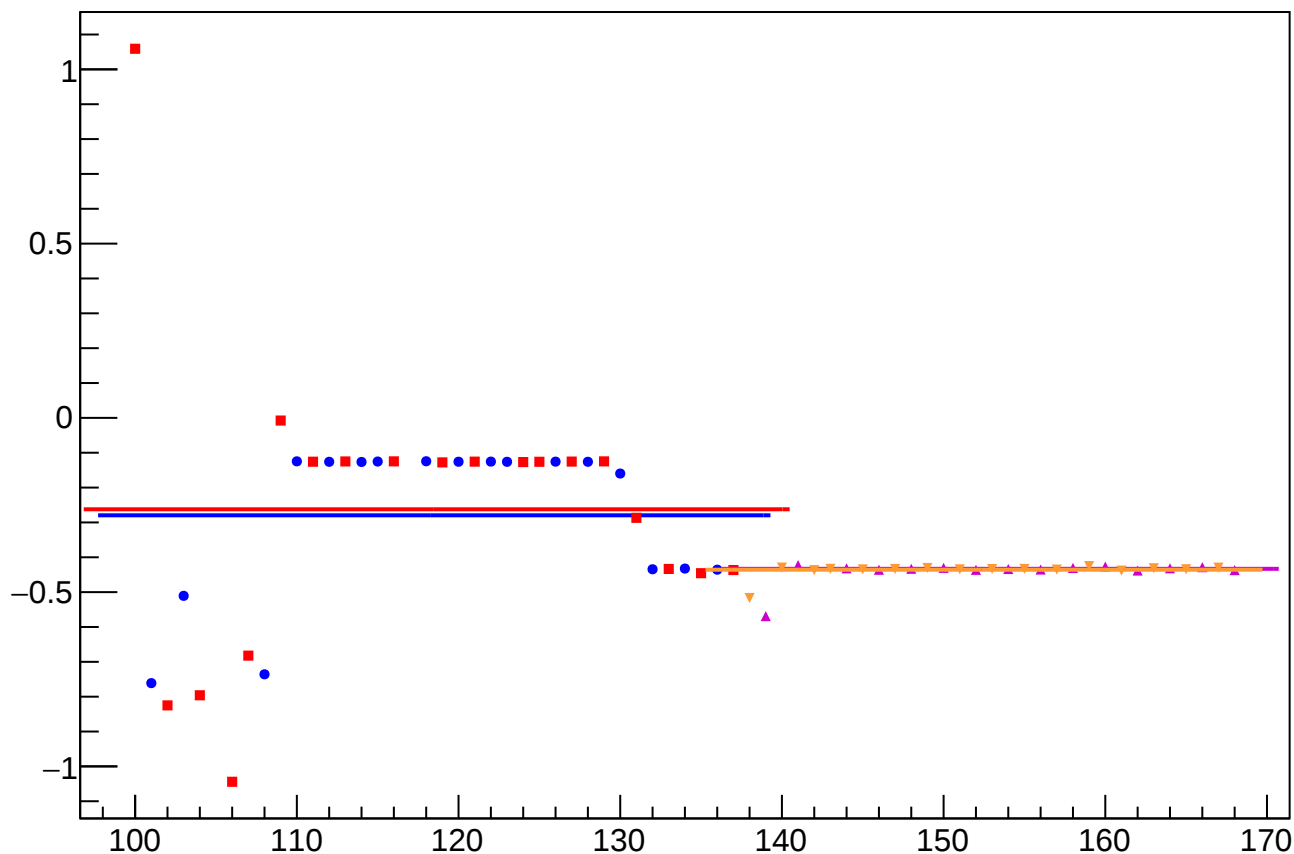
Right: 0.010 ± 0.000 χ^2/NDF : 2385530.8/35

In: 0.009 ± 0.000 χ^2/NDF : 3056148.6/31

Out: 0.009 ± 0.000 χ^2/NDF : 3017825.8/34

All: 0.009 ± 0.000 χ^2/NDF : 6074405.0/66

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 : 25880494.6/15

Right Out: -0.262+/-0.000 χ^2/NDF : 1006263824.6/18

Left In: -0.433+/-0.000 χ^2/NDF : 19726497.9/14

Left: -0.434+/-0.000 χ^2/NDF : 45936276.7/30

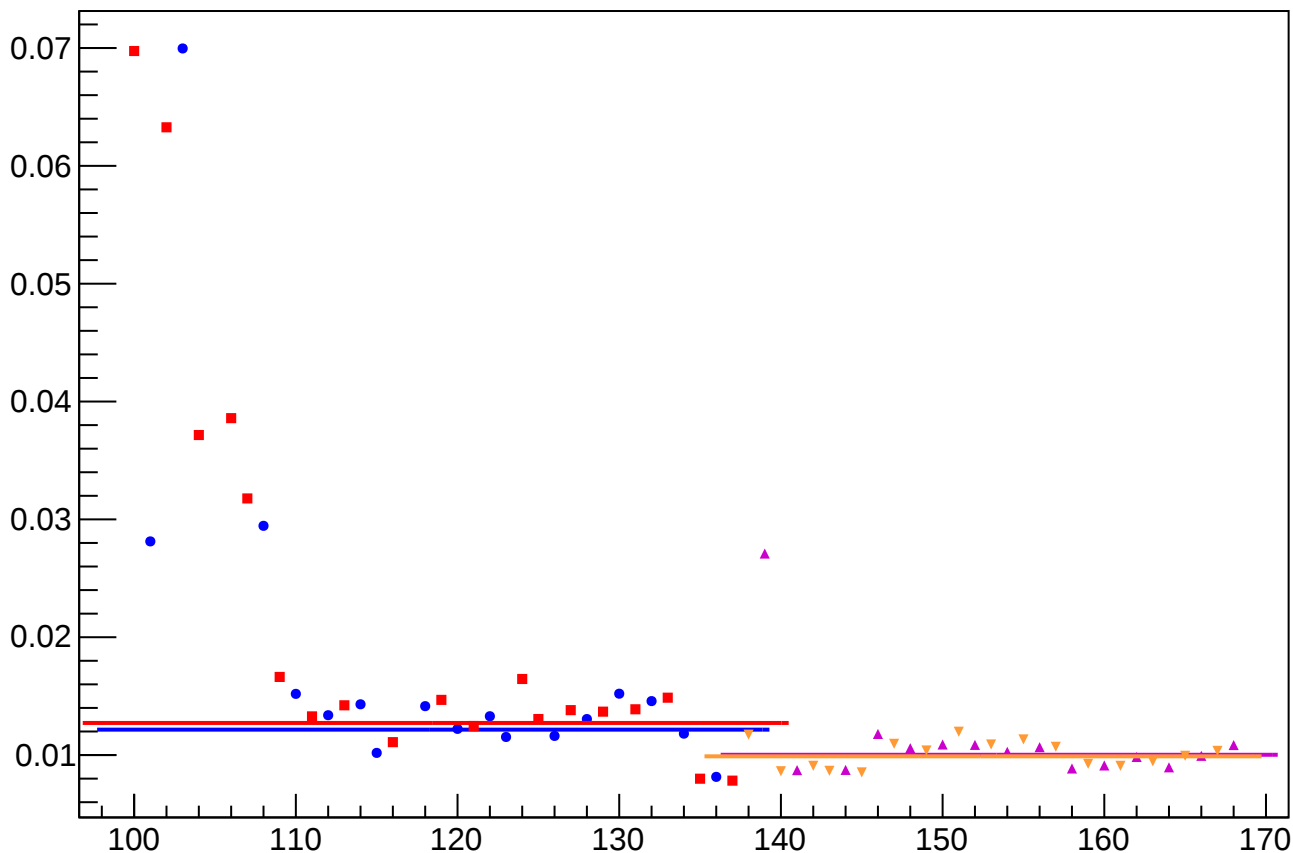
Right: -0.271+/-0.000 χ^2/NDF : 1940066892.0/35

In: -0.395+/-0.000 χ^2/NDF : 1508897575.6/31

Out: -0.396+/-0.000 χ^2/NDF : 1725618793.2/34

All: -0.396+/-0.000 χ^2/NDF : 3234558914.2/6

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:228405.0/15

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:740375.9/14

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 970485.5/30

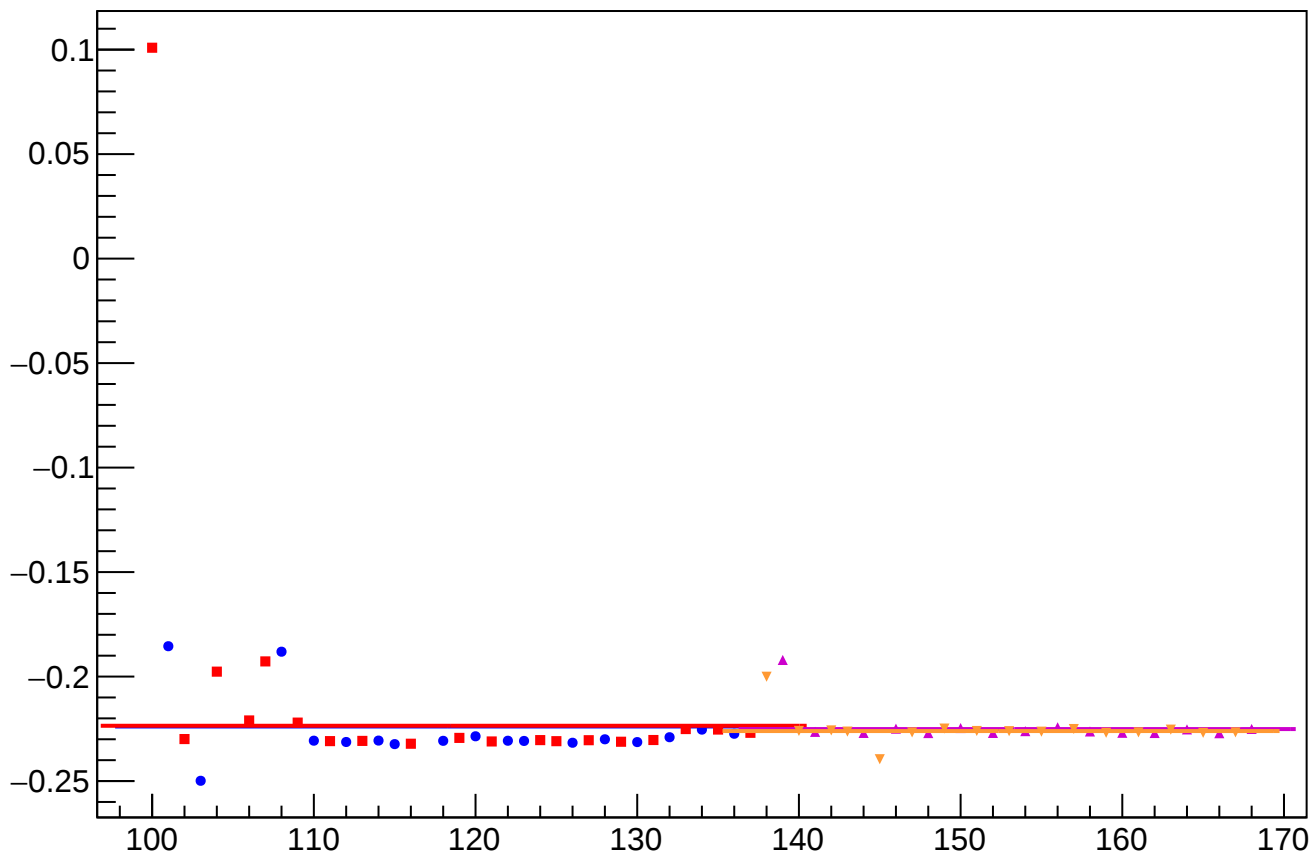
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3700041.2/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2679381.3/31

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2565643.7/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5245039.2/66

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 : 20613932.5/15

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

Left In: -0.225+/-0.000 χ^2/NDF : 12833827.8/14

Left: -0.226+/-0.000 χ^2/NDF : 33632637.7/30

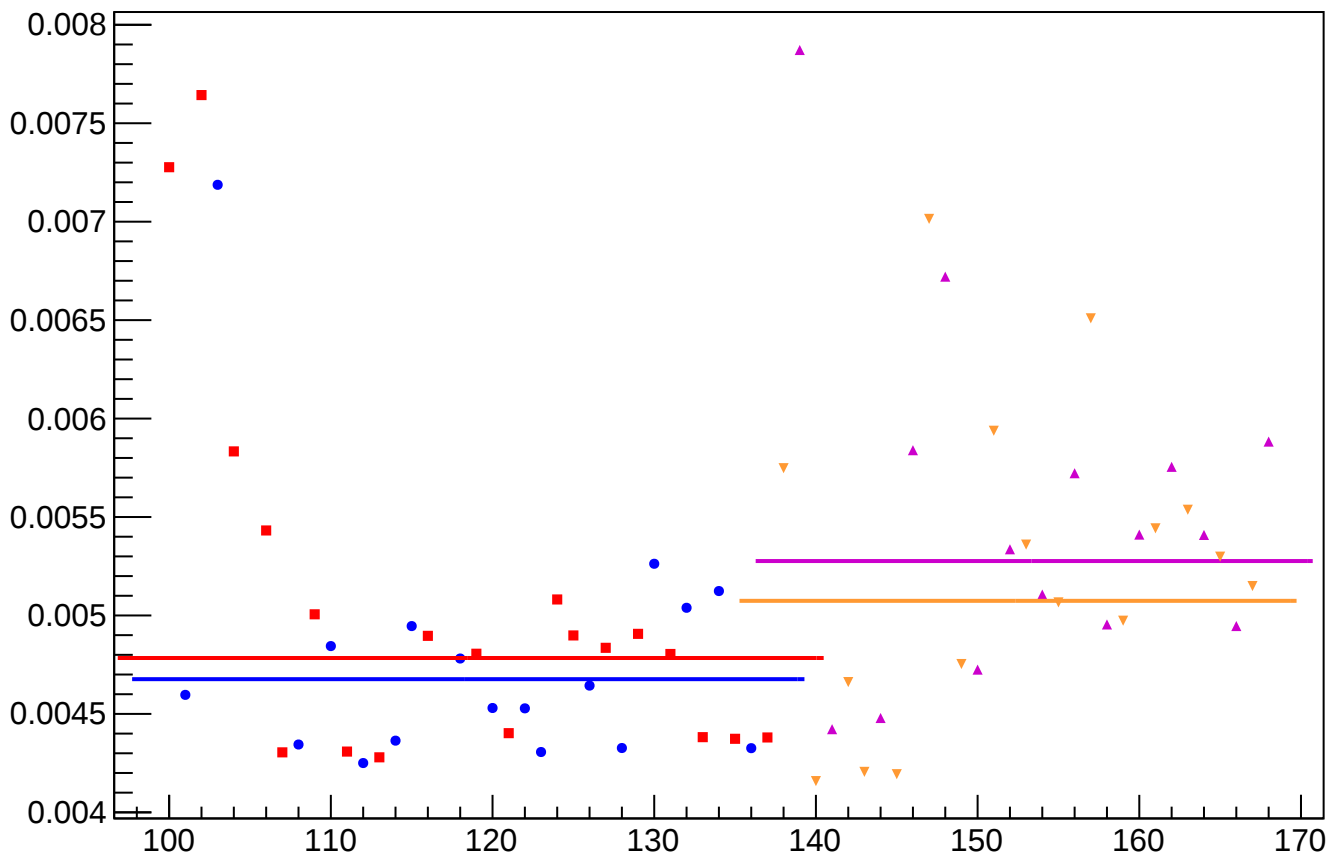
Right: -0.224+/-0.000 χ^2/NDF : 242740169.2/35

In: -0.225+/-0.000 χ^2/NDF : 87681102.8/31

Out: -0.225+/-0.000 χ^2/NDF : 189816443.8/34

All: -0.225+/-0.000 χ^2/NDF : 277569927.9/66

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 : 449344.2/15

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 414593.1/14

Left: 0.005+/-0.000 χ^2/NDF : 880639.2/30

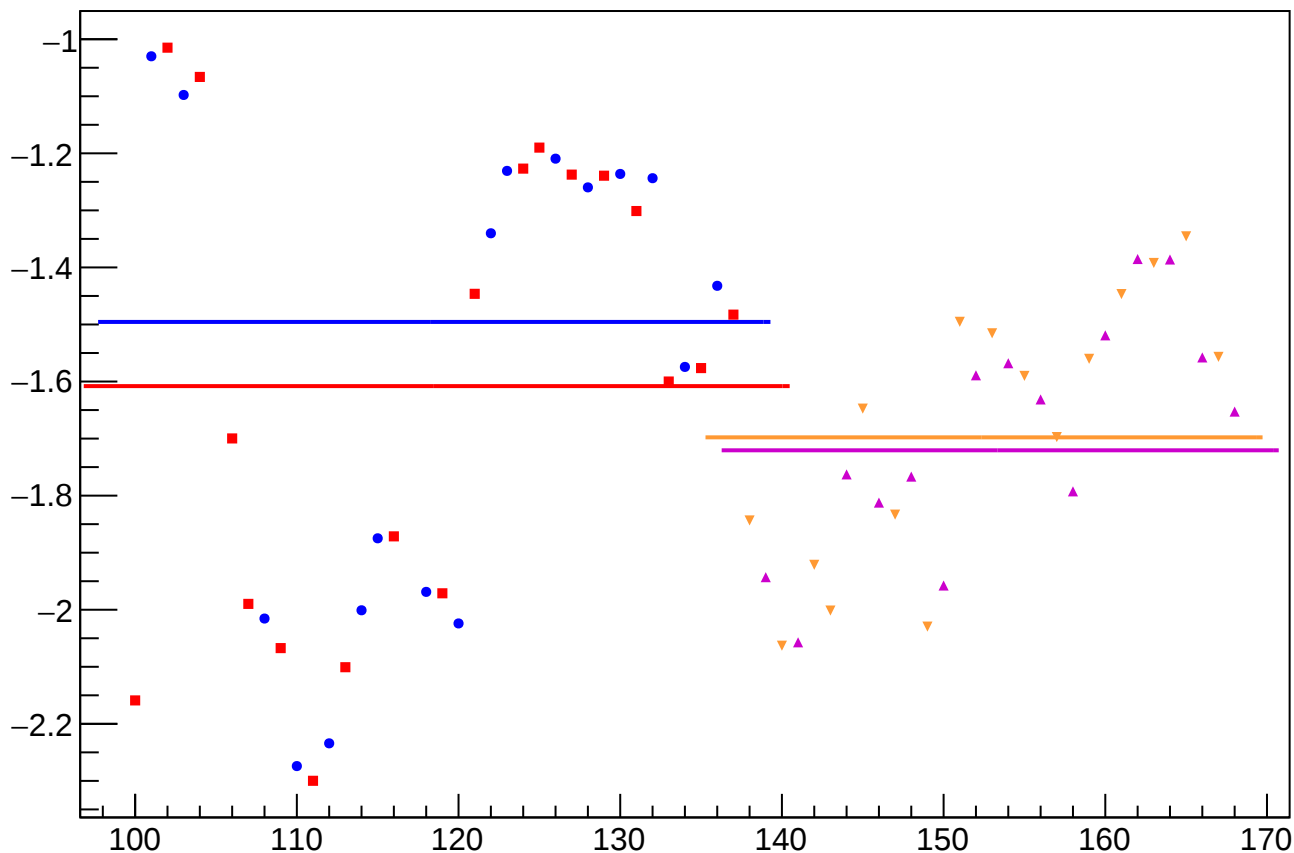
Right: 0.005+/-0.000 χ^2/NDF : 432242.2/35

In: 0.005+/-0.000 χ^2/NDF : 711447.6/31

Out: 0.005+/-0.000 χ^2/NDF : 726052.6/34

All: 0.005+/-0.000 χ^2/NDF : 1440909.9/66

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.698+/-0.000 χ^2/NDF : 15535947249.4/15

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.721+/-0.000 χ^2/NDF : 10890487490.9/14

Left: -1.709+/-0.000 χ^2/NDF : 26500274861.0/30

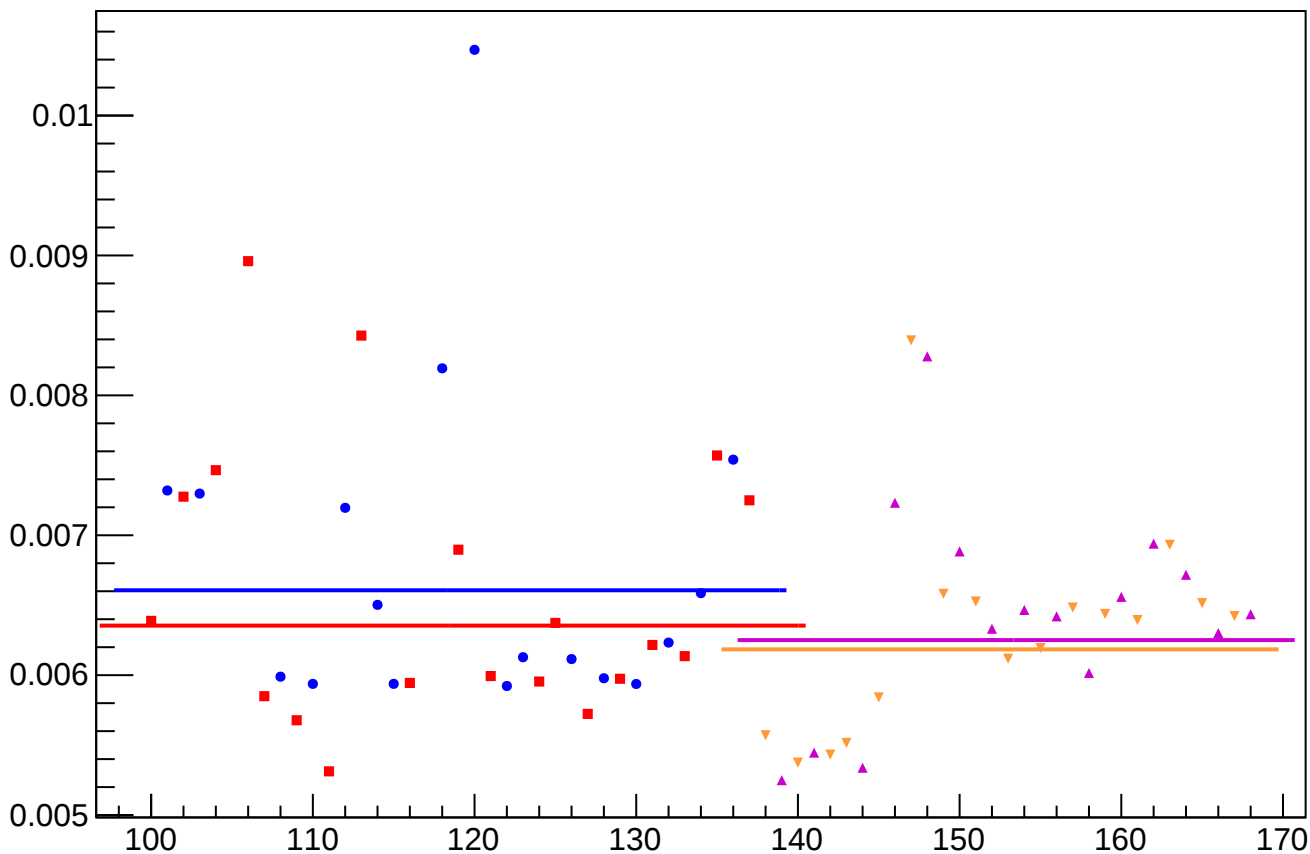
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.646+/-0.000 χ^2/NDF : 38096373286.3/31

Out: -1.666+/-0.000 χ^2/NDF : 44233751300.3/34

All: -1.656+/-0.000 χ^2/NDF : 82415486057.8/78

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :228413.2/15

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

Left In: 0.006+/-0.000 χ^2/NDF :290968.6/14

Left: 0.006+/-0.000 χ^2/NDF : 520639.4/30

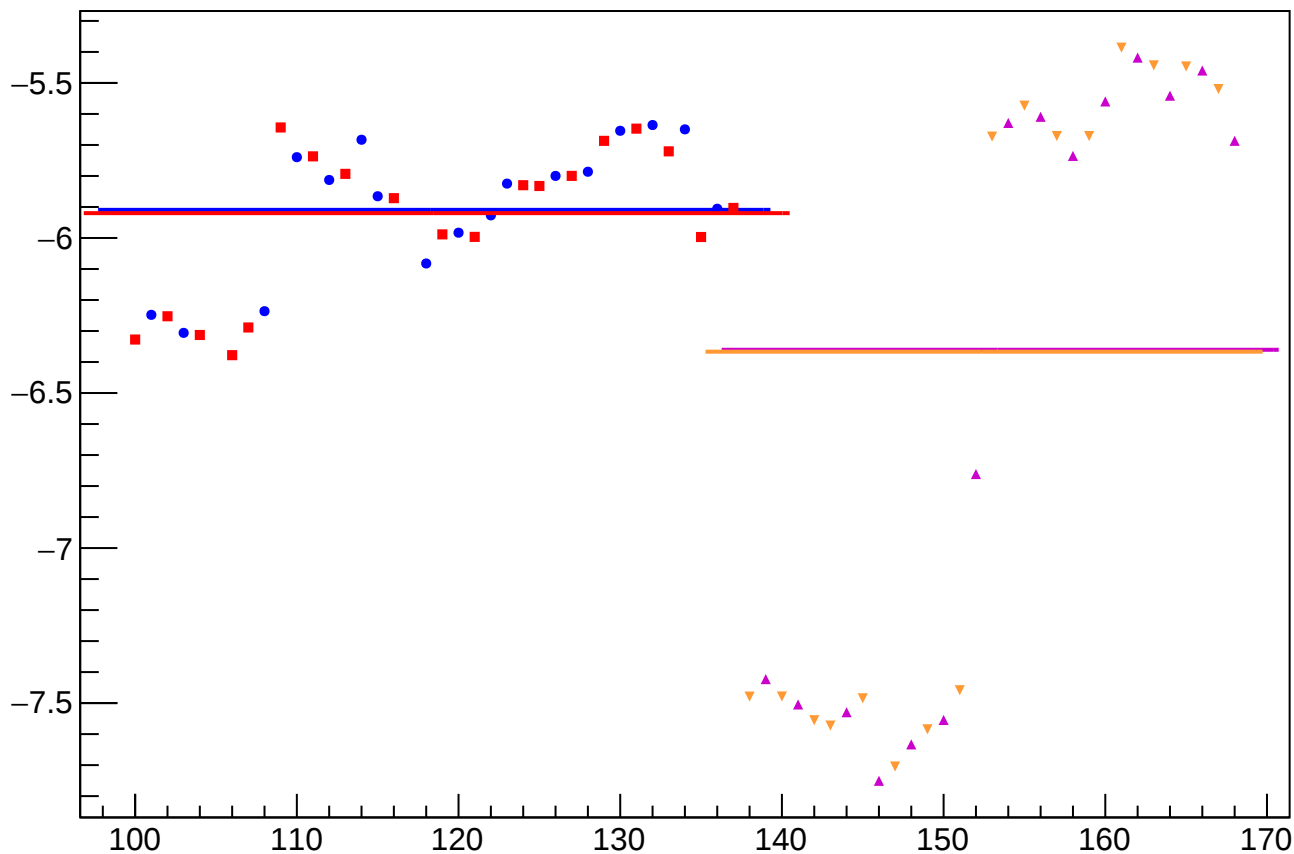
Right: 0.006+/-0.000 χ^2/NDF : 438183.3/35

In: 0.006+/-0.000 χ^2/NDF :515817.9/31

Out: 0.006+/-0.000 χ^2/NDF :461736.0/34

All: 0.006+/-0.000 χ^2/NDF : 984225.8/66

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909 ± 0.000 $\chi^2/\text{NDF}: 11125163629.1/16$

Left Out: -6.367 ± 0.000 $\chi^2/\text{NDF}: 159141900598.4/15$

Right Out: -5.920 ± 0.000 $\chi^2/\text{NDF}: 12785272526.6/18$

Left In: -6.360 ± 0.000 $\chi^2/\text{NDF}: 134369562216.5/14$

Left: -6.364 ± 0.000 $\chi^2/\text{NDF}: 293514524788.0/30$

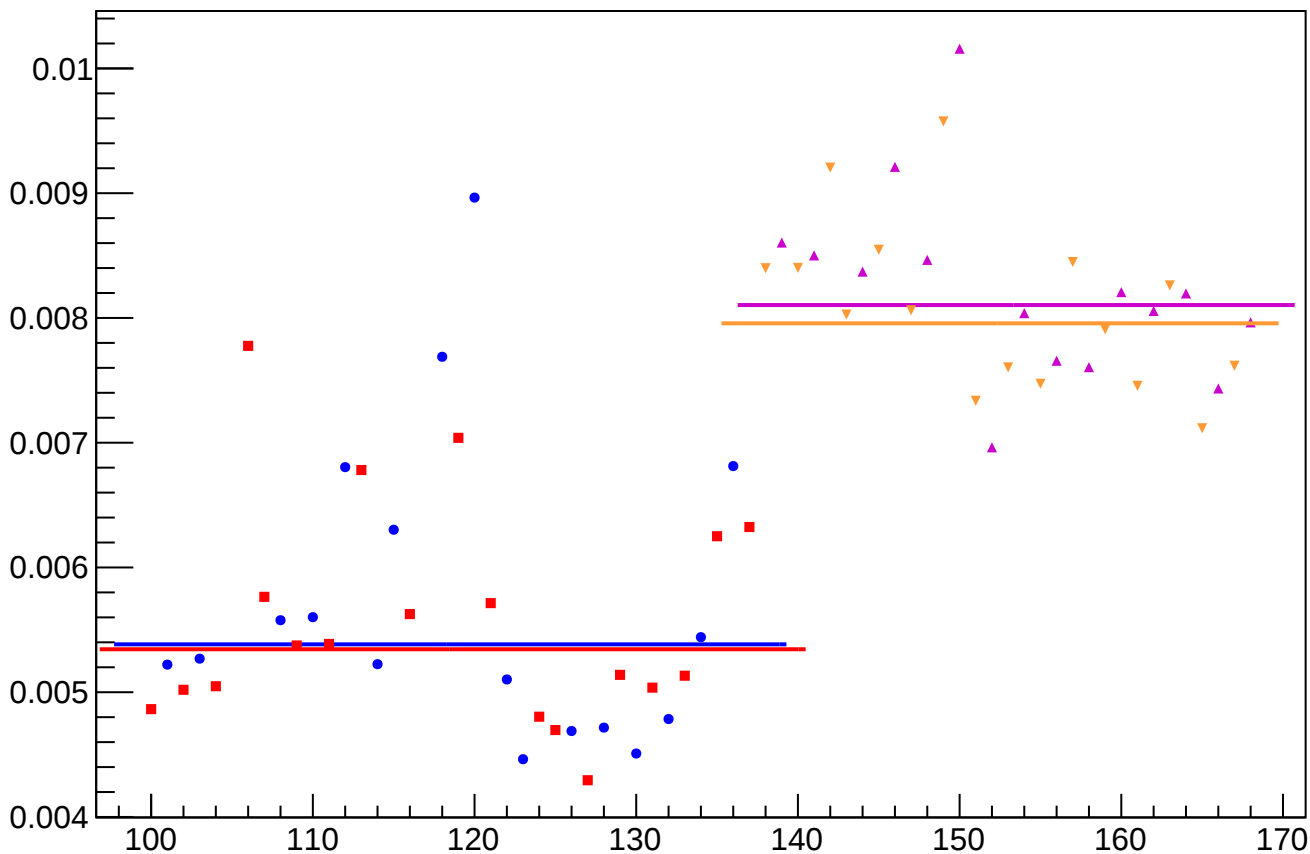
Right: -5.915 ± 0.000 $\chi^2/\text{NDF}: 23922455242.5/35$

In: -6.108 ± 0.000 $\chi^2/\text{NDF}: 163618928854.8/31$

Out: -6.109 ± 0.000 $\chi^2/\text{NDF}: 190803206205.9/34$

All: -6.109 ± 0.000 $\chi^2/\text{NDF}: 354422590612.4$

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 :115821.8/15

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :149972.7/14

Left: 0.008+/-0.000 χ^2/NDF : 269260.2/30

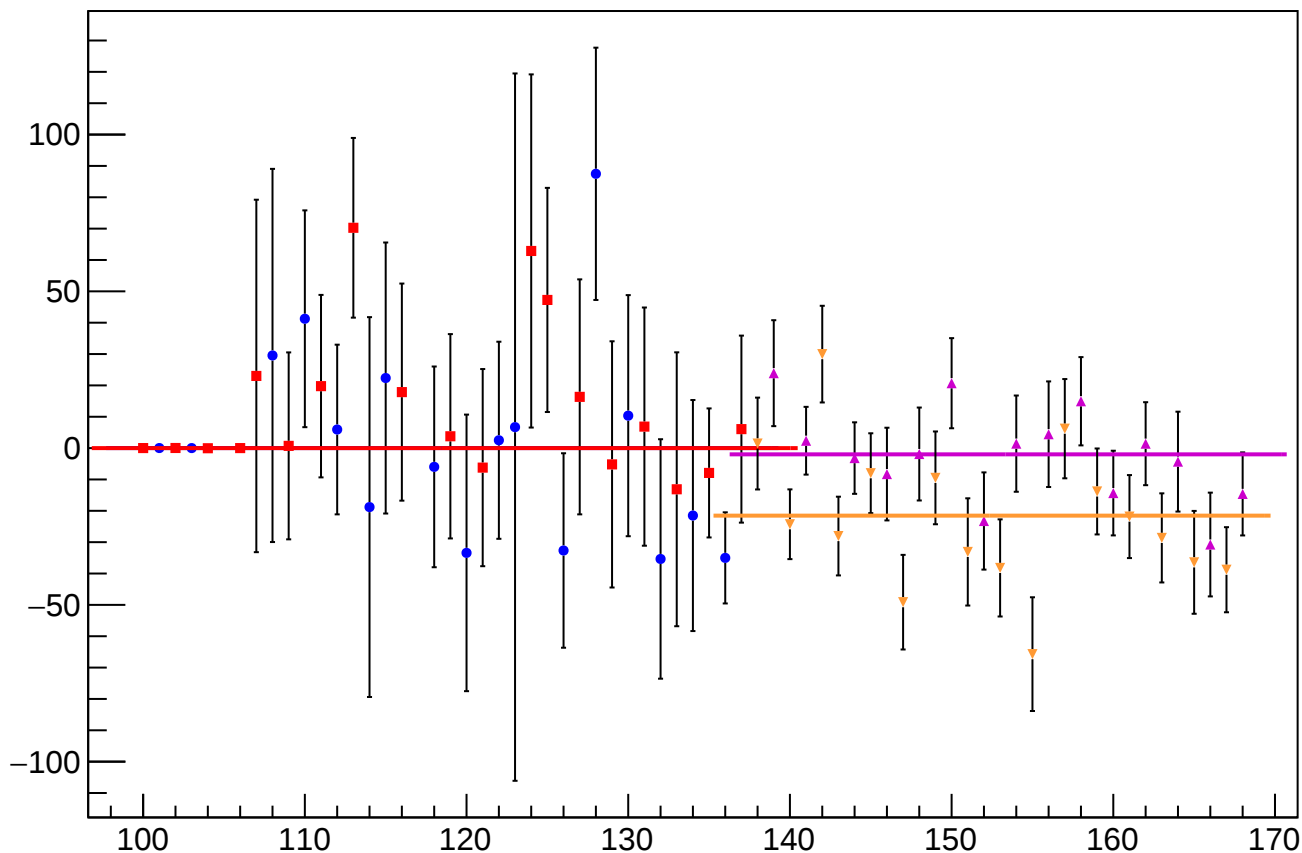
Right: 0.005+/-0.000 χ^2/NDF : 592657.5/35

In: 0.007+/-0.000 χ^2/NDF :1814319.2/31

Out: 0.006+/-0.000 χ^2/NDF :1651635.3/34

All: 0.007+/-0.000 χ^2/NDF : 3472088.7/66

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2/NDF : 15.8/16

Left Out: -21.538 $\pm$ 3.577 χ^2/NDF : 32.7/15

Right Out: -0.003 $\pm$ 0.016 χ^2/NDF : 15.3/18

Left In: -1.990 $\pm$ 3.647 χ^2/NDF : 13.6/14

Left: -11.954 $\pm$ 2.554 χ^2/NDF : 60.9/30

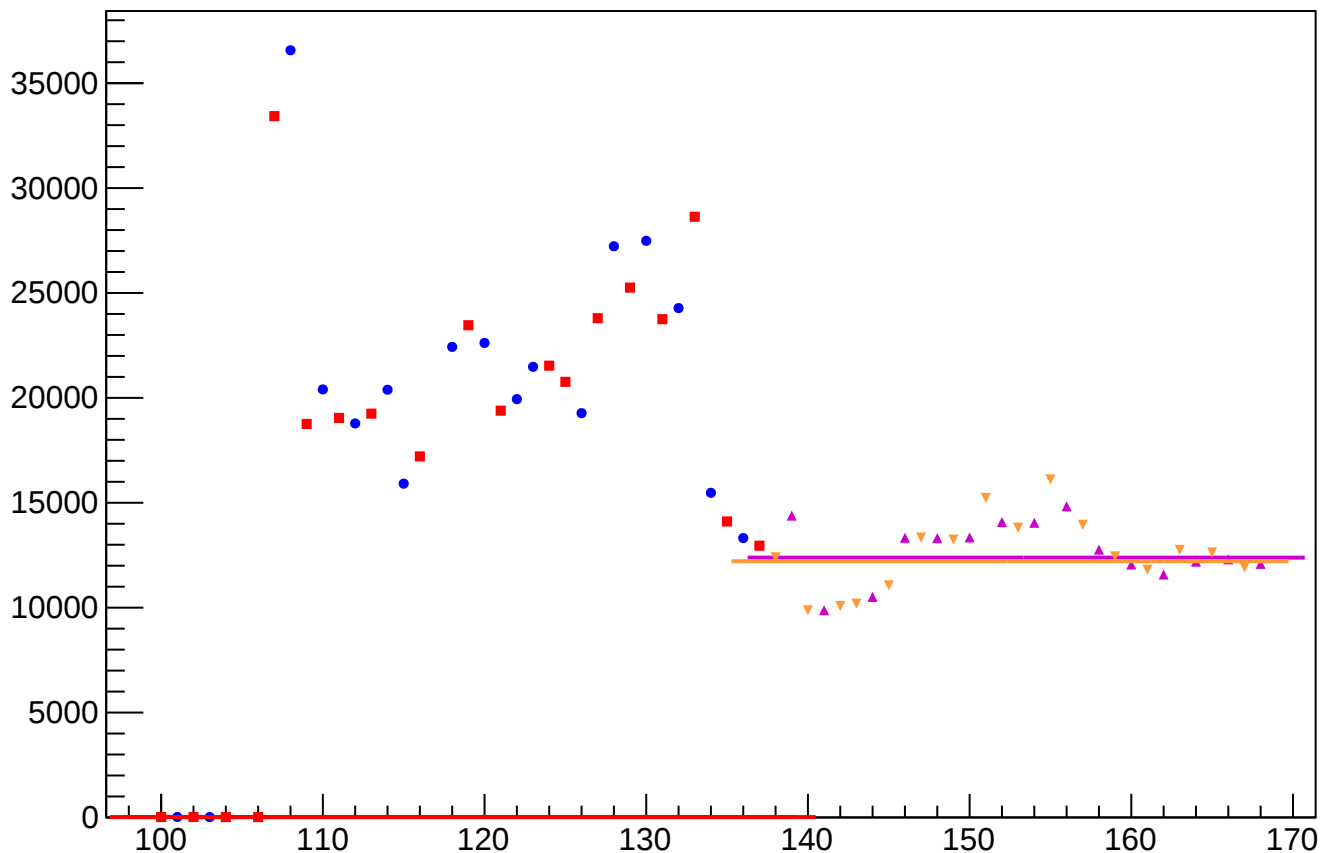
Right: 0.004 $\pm$ 0.012 χ^2/NDF : 31.6/35

In: 0.013 $\pm$ 0.017 χ^2/NDF : 29.6/31

Out: -0.004 $\pm$ 0.016 χ^2/NDF : 84.3/34

All: 0.004 $\pm$ 0.012 χ^2/NDF : 114.4/66

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12212.523+/-2.529 χ^2/NDF : 424137.6/15

Right Out: 18.311+/-0.011 χ^2/NDF : 11103320.8/18

Left In: 12384.928+/-2.579 χ^2/NDF : 315726.6/14

Left: 12297.051+/-1.806 χ^2/NDF : 742142.6/30

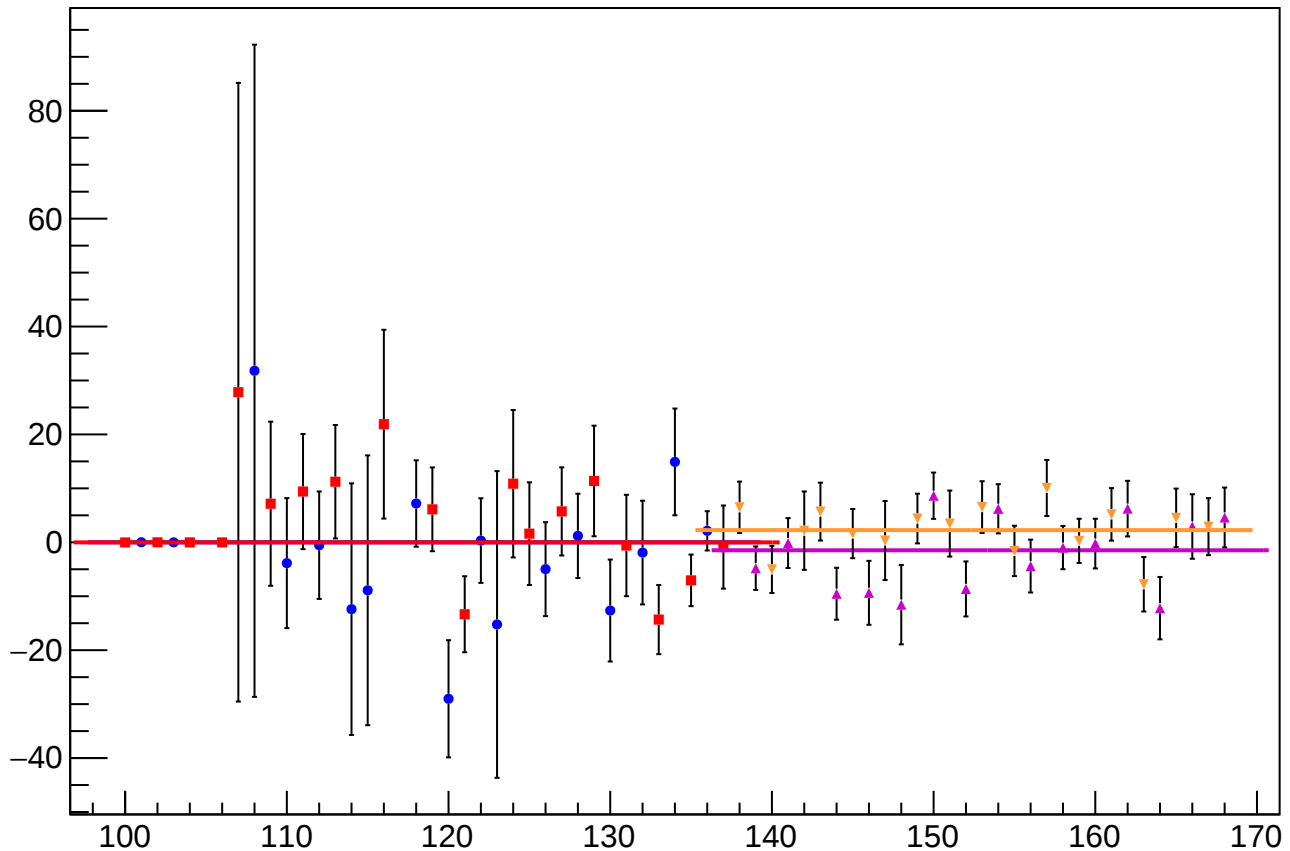
Right: 18.464+/-0.008 χ^2/NDF : 21945270.7/35

In: 18.920+/-0.012 χ^2/NDF : 34154398.5/31

Out: 18.558+/-0.011 χ^2/NDF : 34774890.1/34

All: 18.725+/-0.008 χ^2/NDF : 68929759.2/66

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF : 14.9/16

Left Out: 2.256+/-1.262 χ^2/NDF :12.8/15

Right Out: -0.014+/-0.009 χ^2/NDF : 18.4/18

Left In: -1.478+/-1.272 χ^2/NDF :25.5/14

Left: 0.403+/-0.896 χ^2/NDF : 42.6/30

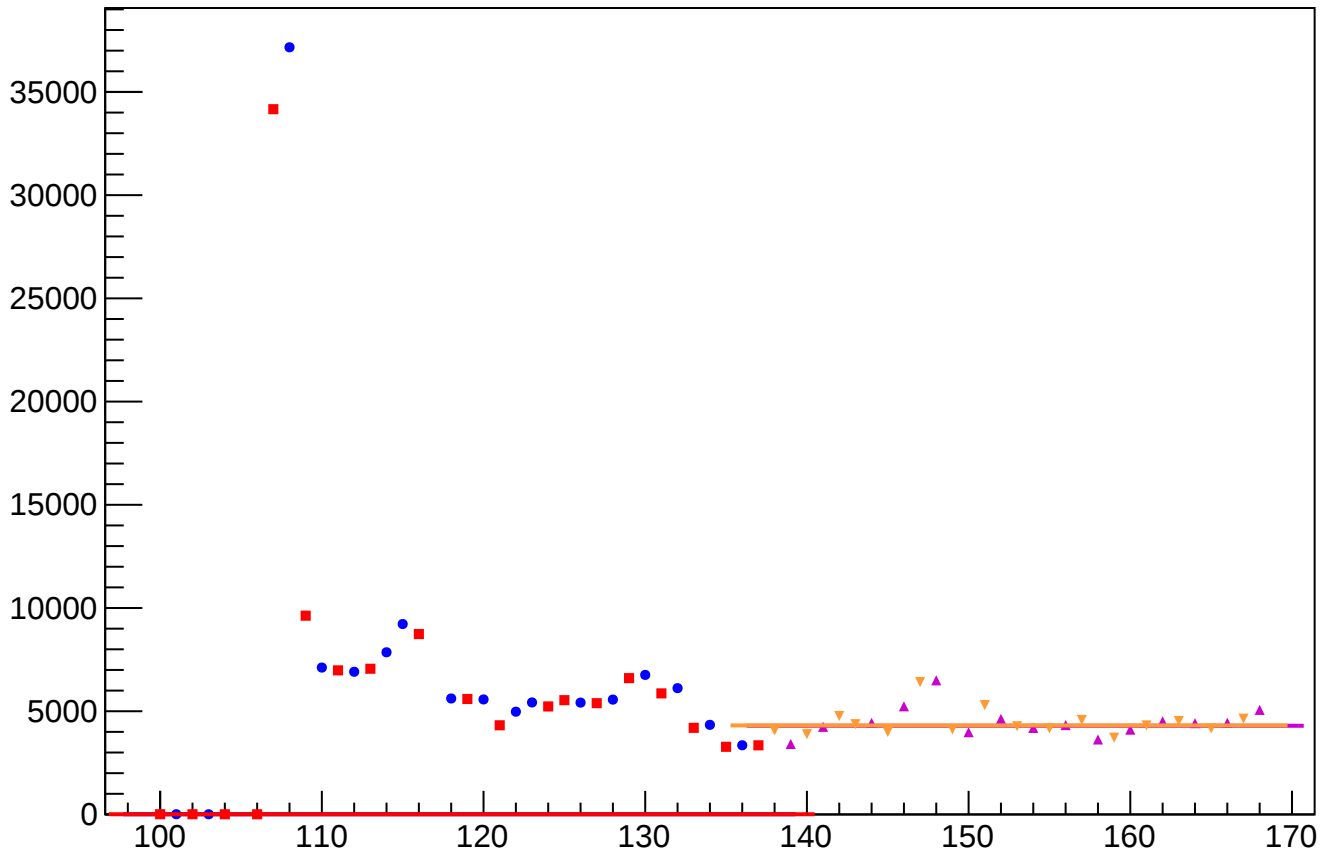
Right: -0.007+/-0.006 χ^2/NDF : 34.7/35

In: 0.001+/-0.009 χ^2/NDF :41.7/31

Out: -0.014+/-0.009 χ^2/NDF :34.4/34

All: -0.007+/-0.006 χ^2/NDF : 77.5/66

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 ± 0.007 $\chi^2/\text{NDF}: 10973577.1/16$

Left Out: 4313.098 ± 0.892 $\chi^2/\text{NDF}: 323324.5/15$

Right Out: 9.854 ± 0.006 $\chi^2/\text{NDF}: 11152667.7/18$

Left In: 4296.223 ± 0.899 $\chi^2/\text{NDF}: 449880.1/14$

Left: 4304.725 ± 0.633 $\chi^2/\text{NDF}: 773382.1/30$

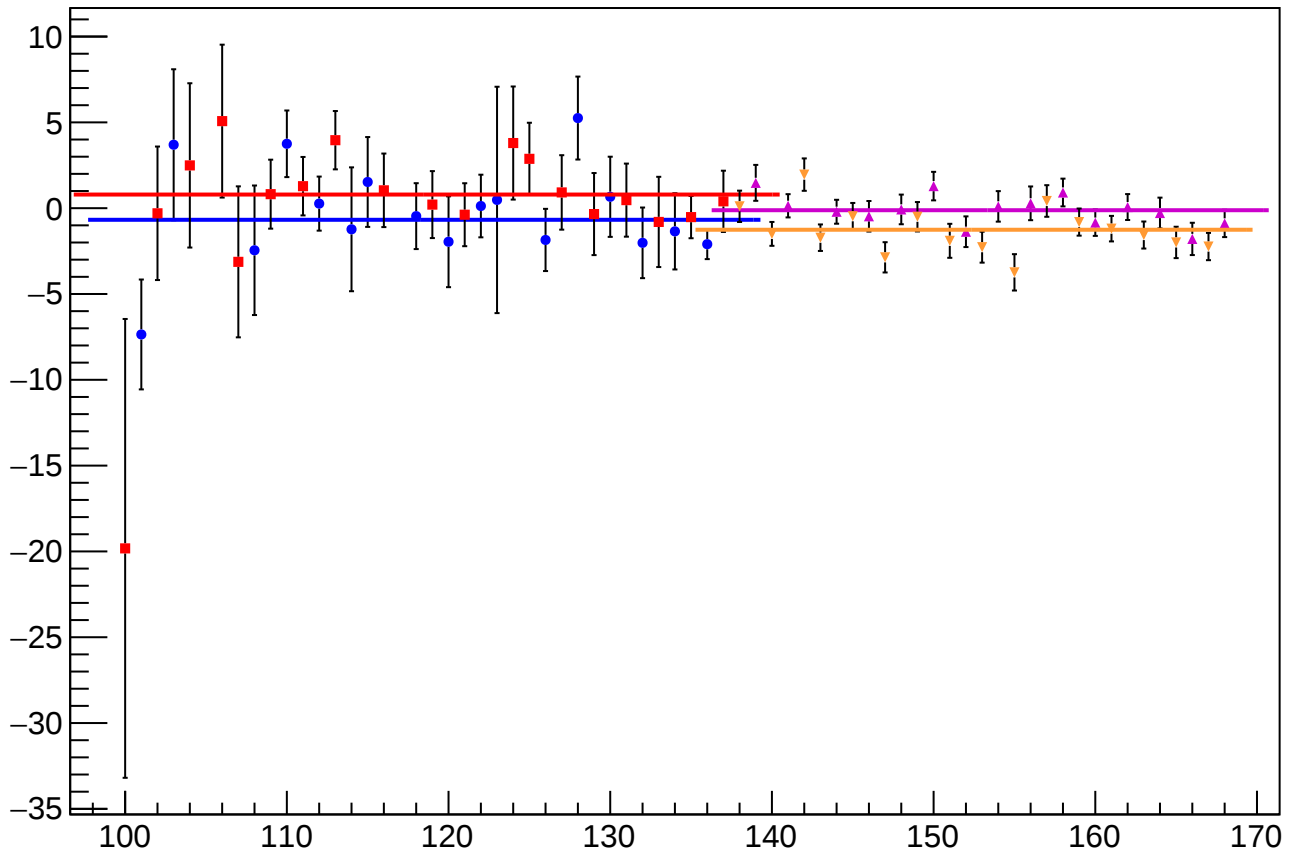
Right: 9.894 ± 0.004 $\chi^2/\text{NDF}: 22126332.7/35$

In: 10.162 ± 0.007 $\chi^2/\text{NDF}: 34144565.3/31$

Out: 10.056 ± 0.006 $\chi^2/\text{NDF}: 34730069.8/34$

All: 10.106 ± 0.004 $\chi^2/\text{NDF}: 68874776.0/66$

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.256 ± 0.211 χ^2/NDF : 32.6/15

Right Out: 0.795 ± 0.501 χ^2/NDF : 12.0/18

Left In: -0.118 ± 0.215 χ^2/NDF : 14.4/14

Left: -0.698 ± 0.150 χ^2/NDF : 61.3/30

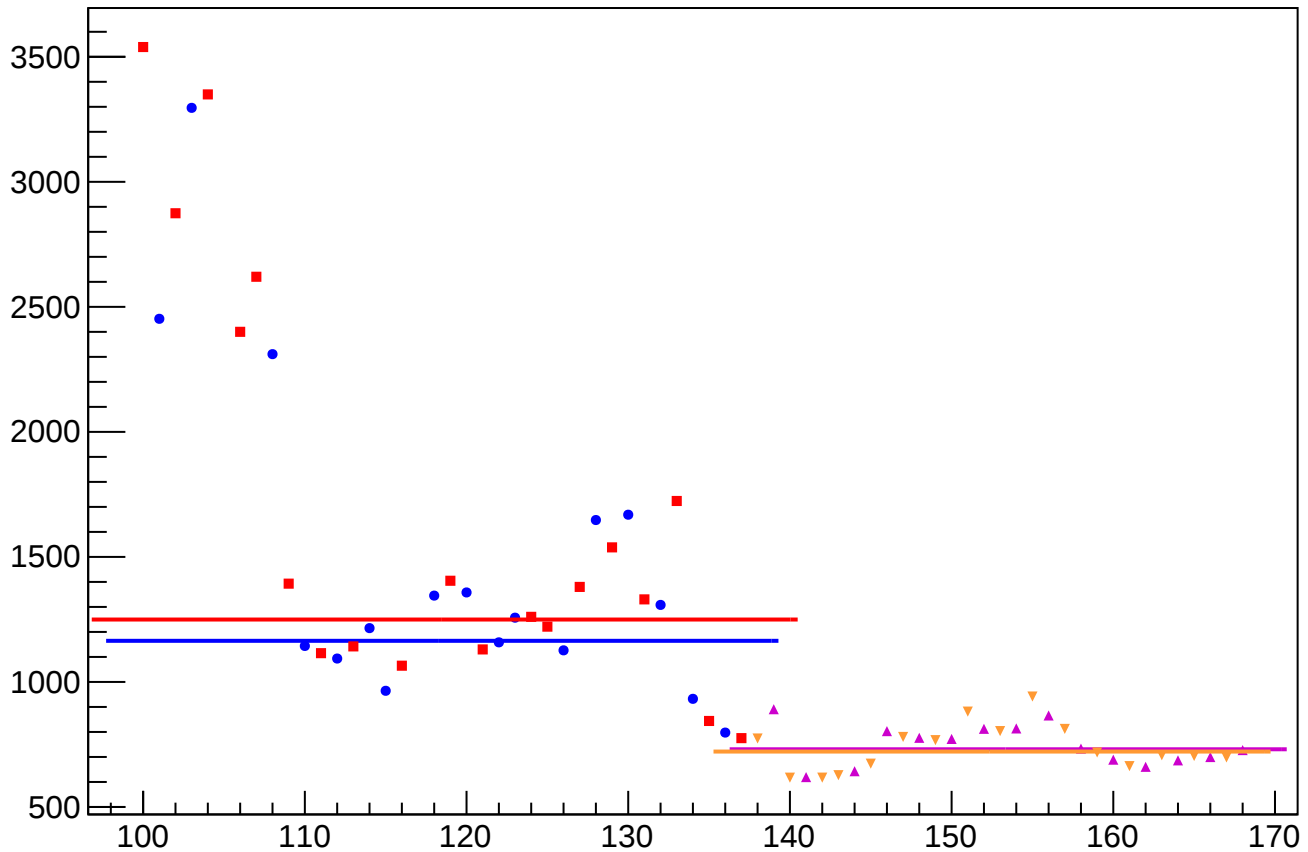
Right: 0.033 ± 0.348 χ^2/NDF : 38.7/35

In: -0.210 ± 0.196 χ^2/NDF : 37.8/31

Out: -0.948 ± 0.194 χ^2/NDF : 58.8/34

All: -0.583 ± 0.138 χ^2/NDF : 103.7/66

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 +/- 0.342 χ^2/NDF : 1584212.9/16

Left Out: 721.628 +/- 0.149 χ^2/NDF : 317972.3/15

Right Out: 1249.596 +/- 0.354 χ^2/NDF : 1650133.1/18

Left In: 730.724 +/- 0.152 χ^2/NDF : 258845.6/14

Left: 726.090 +/- 0.106 χ^2/NDF : 578644.9/30

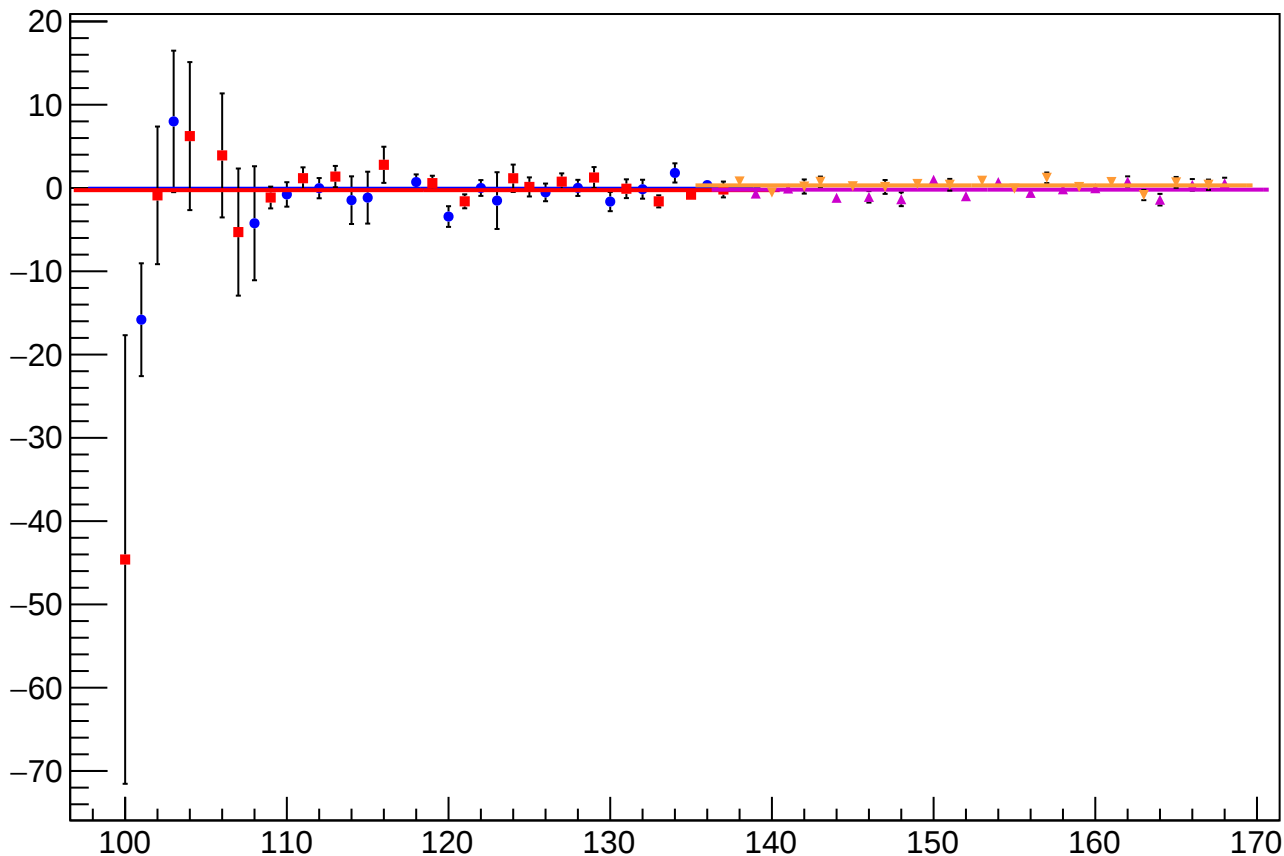
Right: 1205.546 +/- 0.246 χ^2/NDF : 3264193.7/35

In: 802.078 +/- 0.139 χ^2/NDF : 3184221.6/31

Out: 800.945 +/- 0.137 χ^2/NDF : 3853340.5/34

All: 801.506 +/- 0.098 χ^2/NDF : 7037595.8/66

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.317 ± 0.151 χ^2/NDF : 12.2/15

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

Left In: -0.197 ± 0.153 χ^2/NDF : 25.1/14

Left: 0.063 ± 0.107 χ^2/NDF : 42.9/30

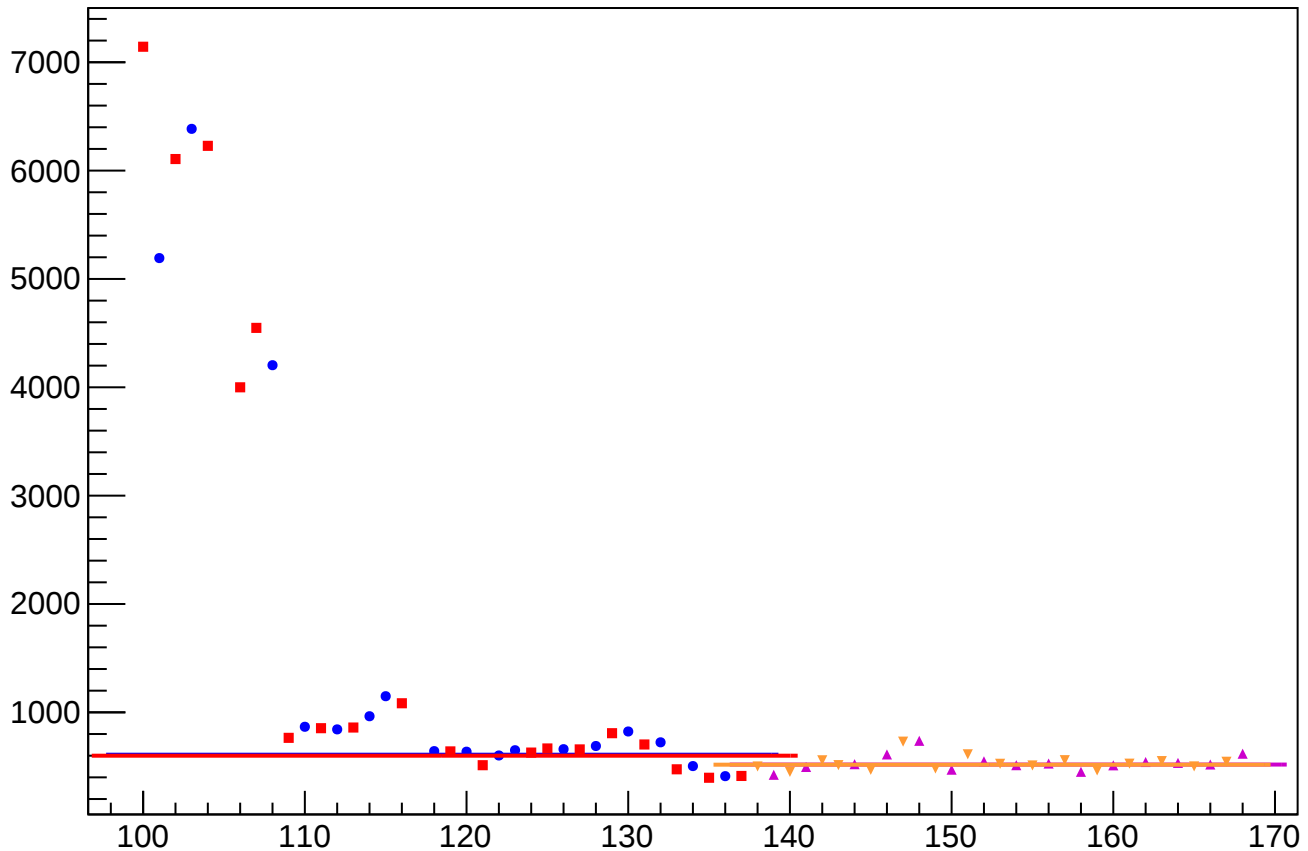
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.170 ± 0.133 χ^2/NDF : 46.3/31

Out: 0.175 ± 0.131 χ^2/NDF : 36.2/34

All: 0.005 ± 0.093 χ^2/NDF : 85.9/66

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 516.924+/-0.107 χ^2/NDF : 274540.4/15

Right Out: 599.910+/-0.187 χ^2/NDF : 3547599.8/18

Left In: 518.058+/-0.108 χ^2/NDF : 356686.8/14

Left: 517.484+/-0.076 χ^2/NDF : 631282.9/30

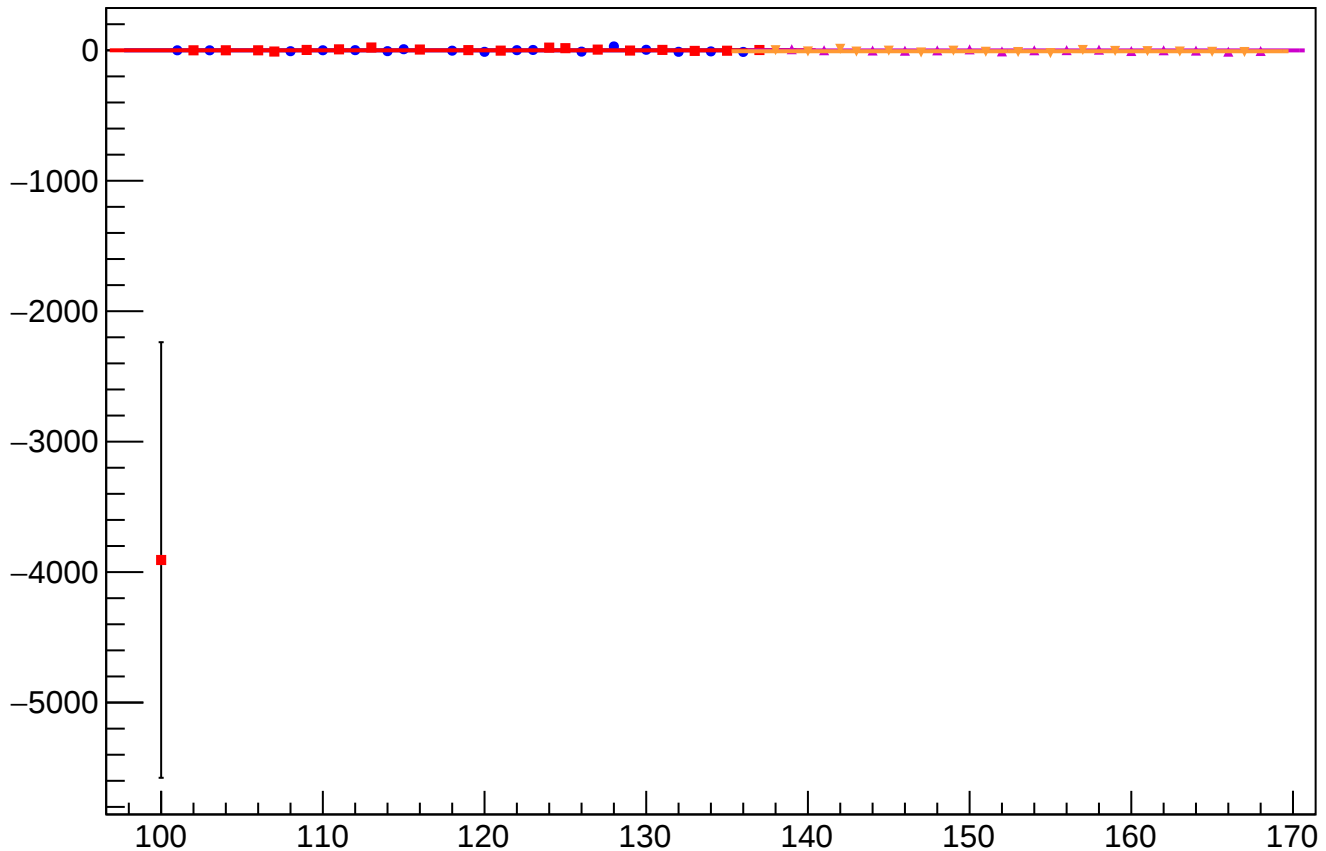
Right: 604.364+/-0.134 χ^2/NDF : 6687992.0/35

In: 540.141+/-0.094 χ^2/NDF : 3667593.6/31

Out: 537.343+/-0.093 χ^2/NDF : 3970757.0/34

All: 538.721+/-0.066 χ^2/NDF : 7638799.2/66

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2/NDF : 15.3/16

Left Out: -7.258+/-1.229 χ^2/NDF : 32.7/15

Right Out: 0.027+/-0.020 χ^2/NDF : 17.3/18

Left In: -0.703+/-1.254 χ^2/NDF : 14.0/14

Left: -4.047+/-0.878 χ^2/NDF : 60.7/30

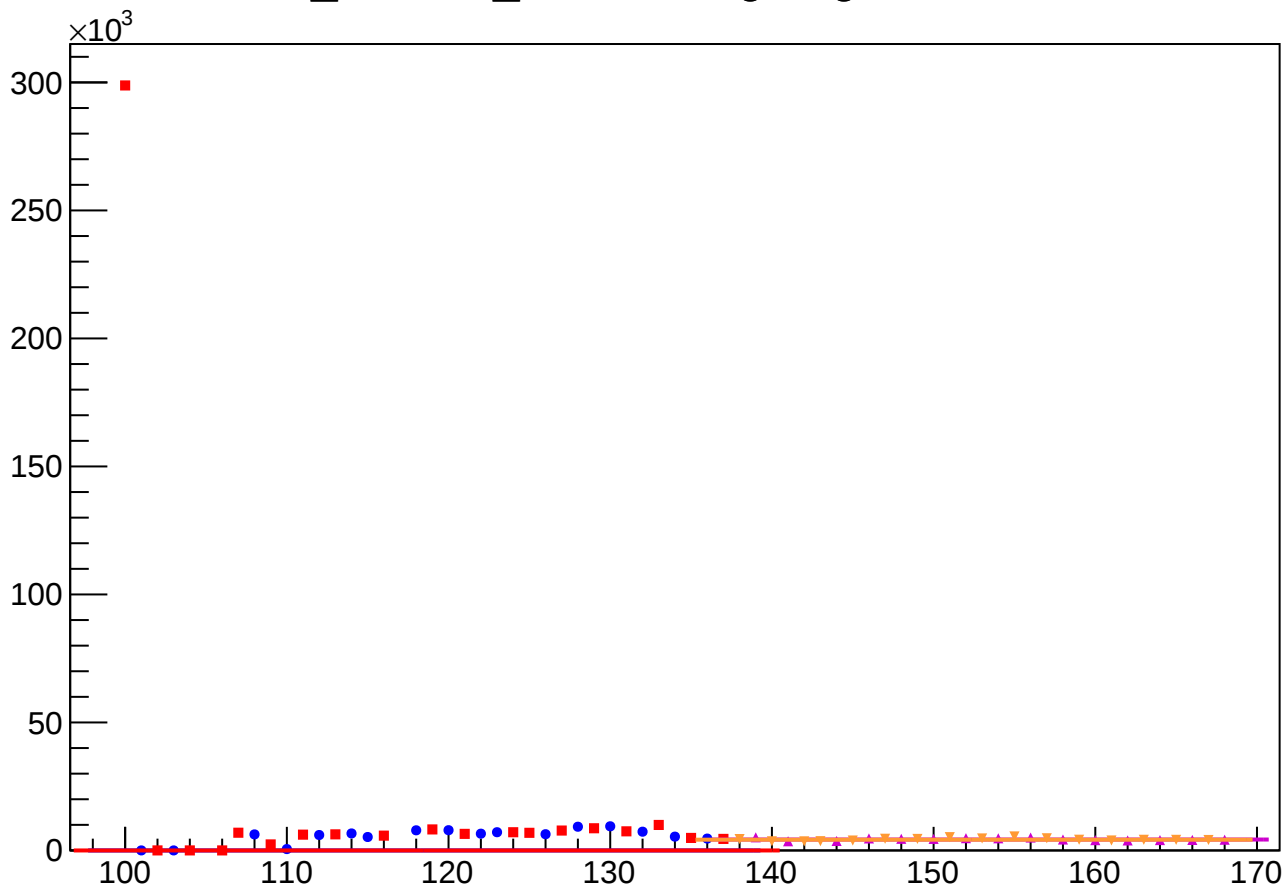
Right: 0.004+/-0.014 χ^2/NDF : 35.4/35

In: -0.022+/-0.021 χ^2/NDF : 29.6/31

Out: 0.025+/-0.020 χ^2/NDF : 85.1/34

All: 0.003+/-0.014 χ^2/NDF : 117.3/66

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 +/- 0.015 χ^2/NDF : 10359409.4/16

Left Out: 4205.245 +/- 0.869 χ^2/NDF : 335467.6/15

Right Out: 17.268 +/- 0.014 χ^2/NDF : 10813350.8/18

Left In: 4264.665 +/- 0.887 χ^2/NDF : 262276.5/14

Left: 4234.355 +/- 0.621 χ^2/NDF : 600035.1/30

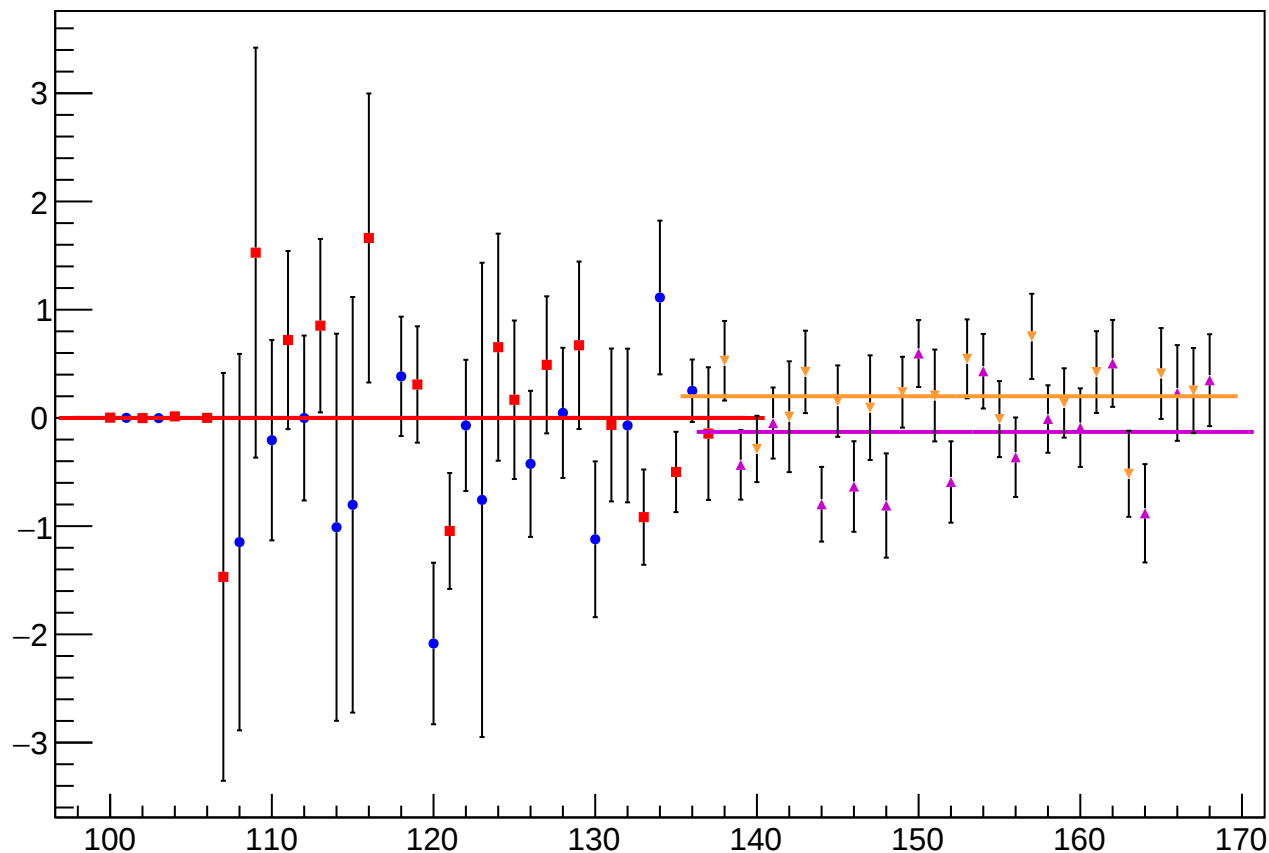
Right: 17.301 +/- 0.010 χ^2/NDF : 21172771.7/35

In: 18.505 +/- 0.015 χ^2/NDF : 33562750.9/31

Out: 18.353 +/- 0.014 χ^2/NDF : 34373642.1/34

All: 18.425 +/- 0.010 χ^2/NDF : 67936449.1/66

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2/NDF : 15.6/16

Left Out: 0.200 $\pm$ 0.094 χ^2/NDF : 11.0/15

Right Out: -0.001 $\pm$ 0.002 χ^2/NDF : 17.8/18

Left In: -0.130 $\pm$ 0.095 χ^2/NDF : 25.5/14

Left: 0.038 $\pm$ 0.067 χ^2/NDF : 42.7/30

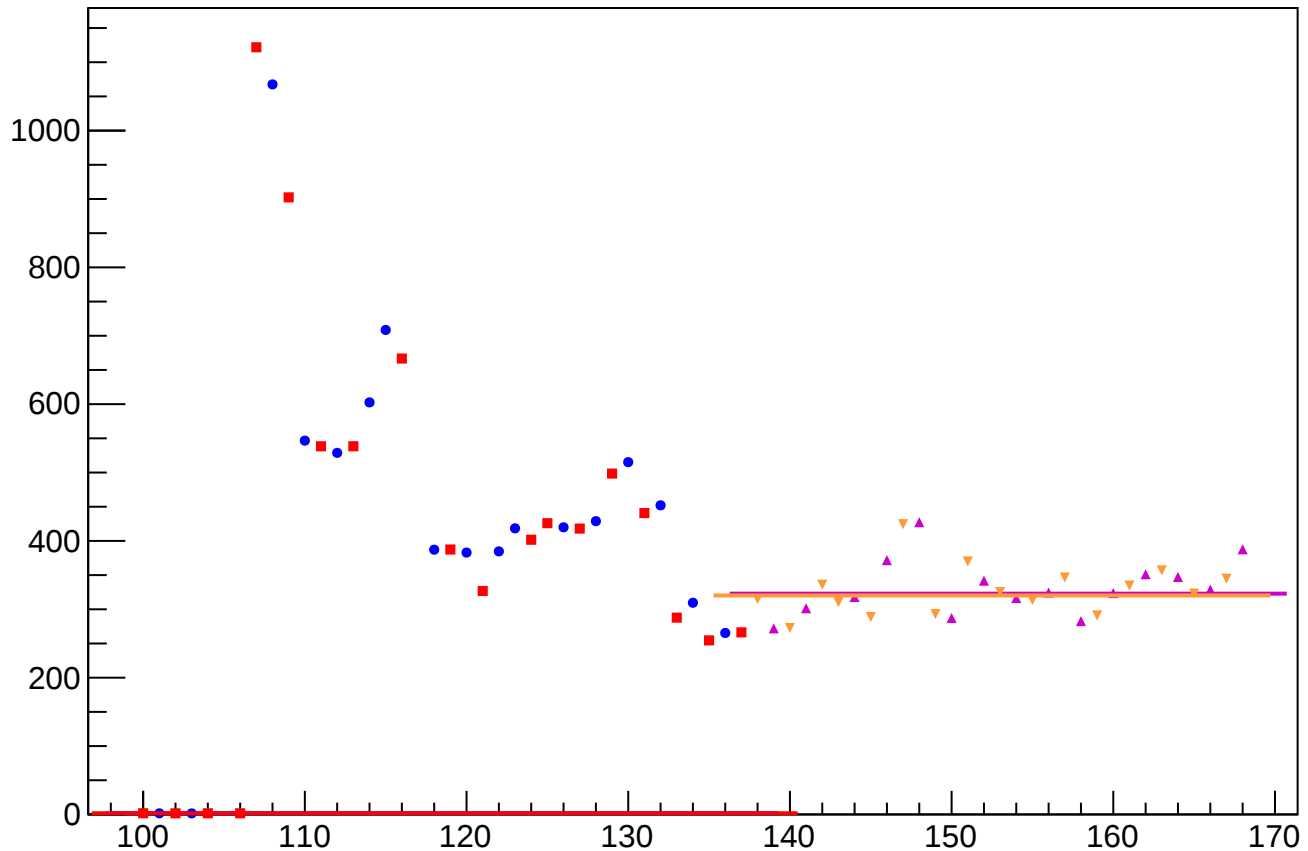
Right: -0.000 $\pm$ 0.001 χ^2/NDF : 33.6/35

In: 0.000 $\pm$ 0.002 χ^2/NDF : 43.0/31

Out: -0.001 $\pm$ 0.002 χ^2/NDF : 33.5/34

All: -0.000 $\pm$ 0.001 χ^2/NDF : 76.6/66

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 320.236 $\pm$ 0.066 χ^2 /NDF:258511.0/15

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

Left In: 322.873 $\pm$ 0.067 χ^2 /NDF:308631.4/14

Left: 321.531 $\pm$ 0.047 χ^2 /NDF: 567923.0/30

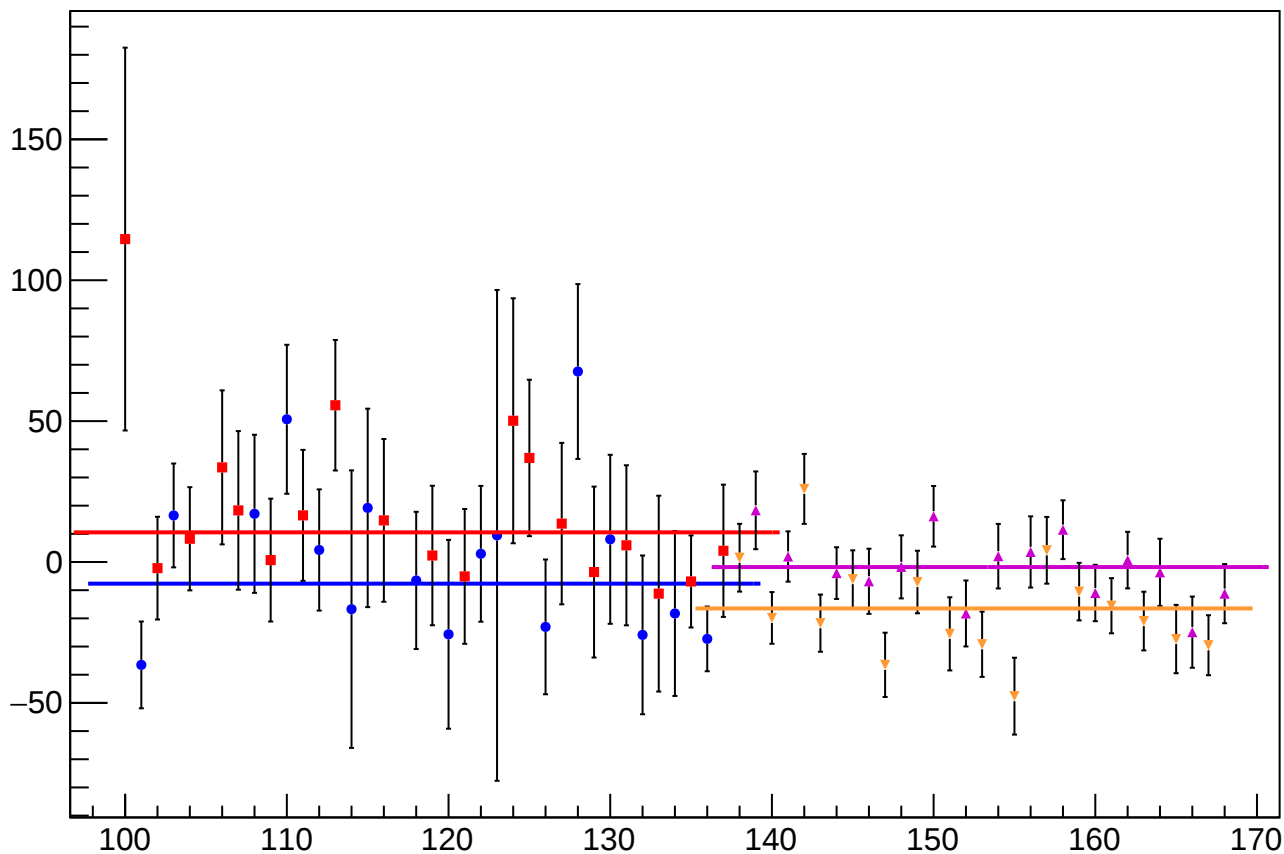
Right: 1.714 $\pm$ 0.001 χ^2 /NDF: 21648518.8/35

In: 1.844 $\pm$ 0.001 χ^2 /NDF:33969266.4/31

Out: 1.865 $\pm$ 0.001 χ^2 /NDF:34190423.6/34

All: 1.855 $\pm$ 0.001 χ^2 /NDF: 68159807.7/66

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -16.480 ± 2.761 $\chi^2/\text{NDF}: 31.9/15$

Right Out: 10.524 ± 5.682 $\chi^2/\text{NDF}: 11.9/18$

Left In: -1.797 ± 2.811 $\chi^2/\text{NDF}: 14.3/14$

Left: -9.271 ± 1.970 $\chi^2/\text{NDF}: 60.1/30$

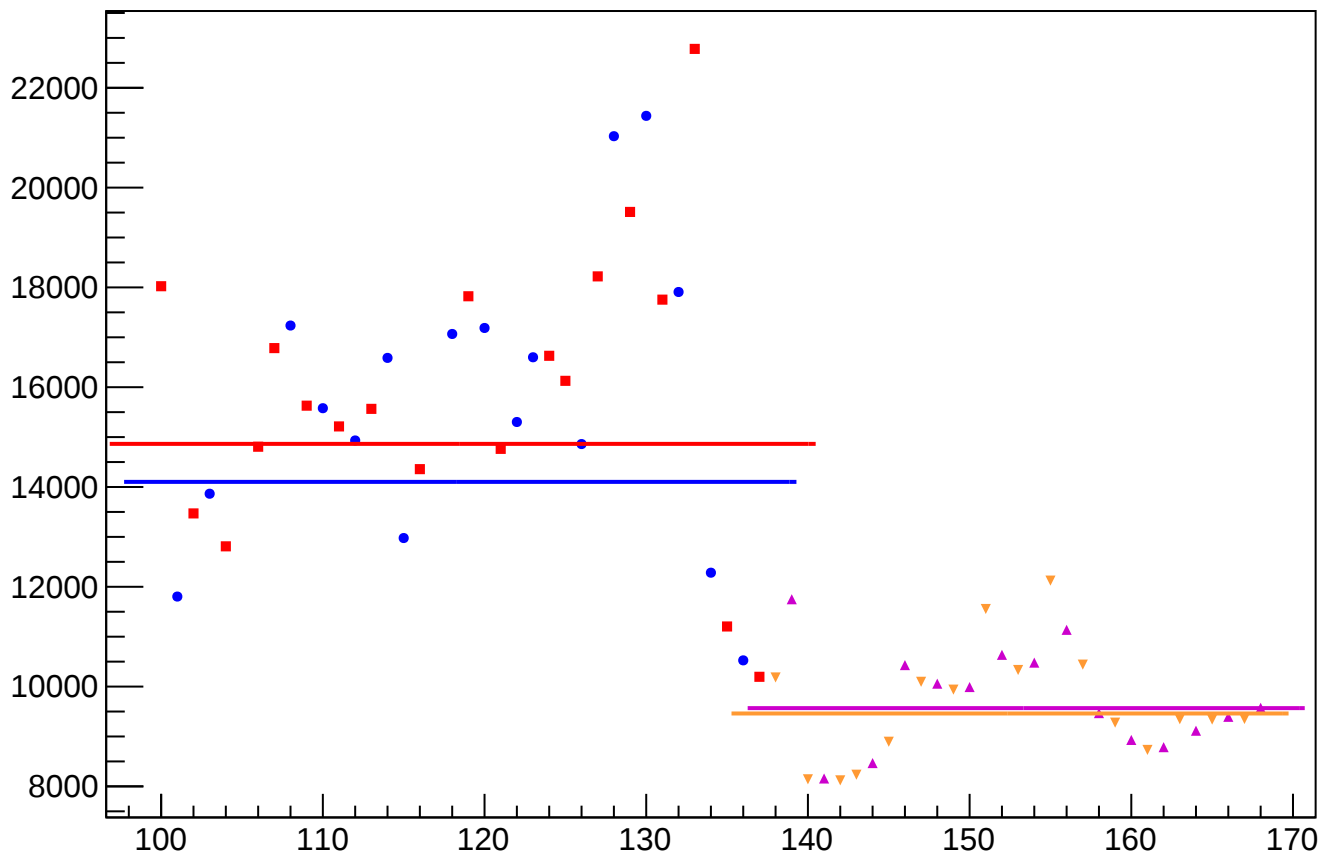
Right: 1.332 ± 3.998 $\chi^2/\text{NDF}: 39.4/35$

In: -2.973 ± 2.515 $\chi^2/\text{NDF}: 37.6/31$

Out: -11.321 ± 2.484 $\chi^2/\text{NDF}: 62.0/34$

All: -7.200 ± 1.767 $\chi^2/\text{NDF}: 105.2/66$

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 +/- 3.979 χ^2/NDF : 598934.8/16

Left Out: 9460.838 +/- 1.952 χ^2/NDF : 282934.7/15

Right Out: 14864.163 +/- 4.018 χ^2/NDF : 470280.3/18

Left In: 9568.257 +/- 1.988 χ^2/NDF : 230781.3/14

Left: 9513.579 +/- 1.393 χ^2/NDF : 515202.1/30

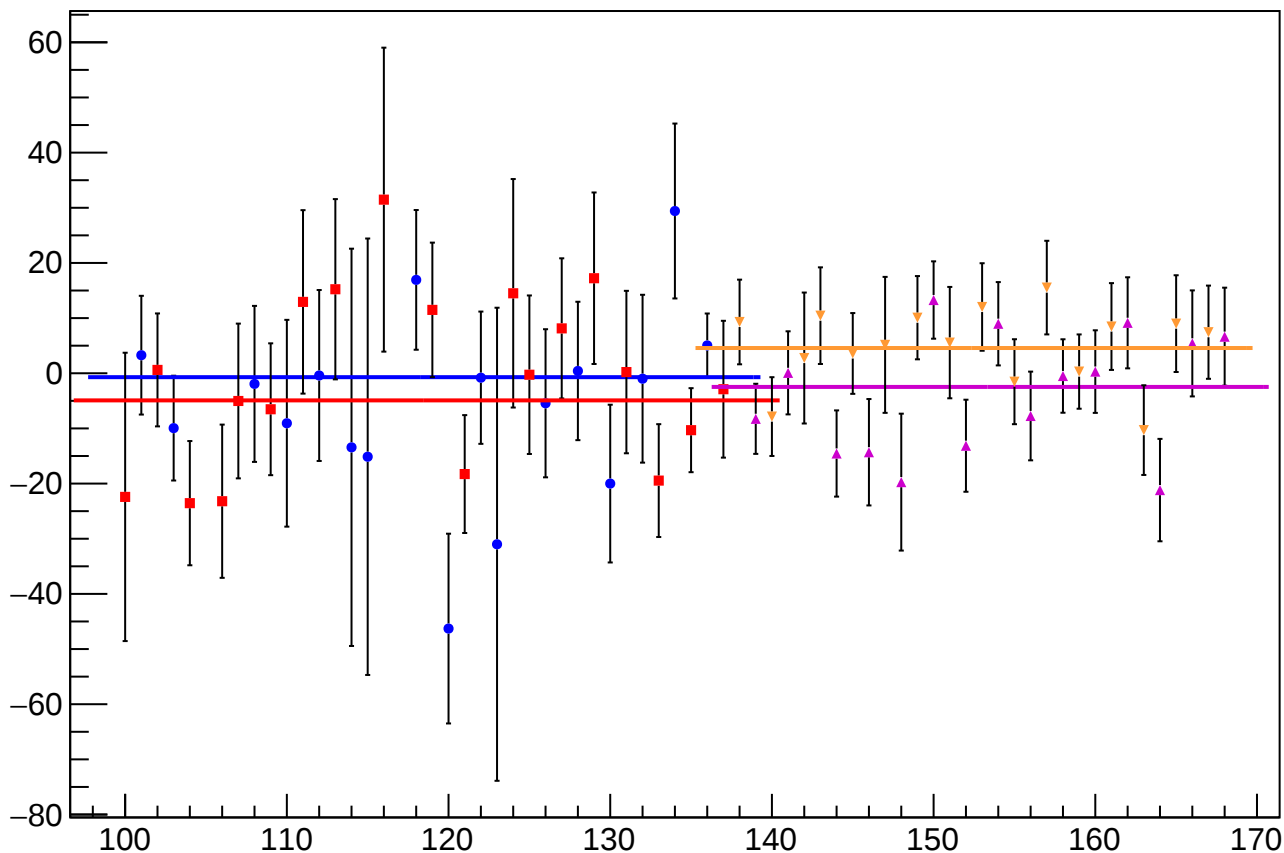
Right: 14479.636 +/- 2.827 χ^2/NDF : 1087356.3/35

In: 10474.003 +/- 1.778 χ^2/NDF : 1868870.3/31

Out: 10493.027 +/- 1.756 χ^2/NDF : 2216218.5/34

All: 10483.635 +/- 1.250 χ^2/NDF : 4085146.7/68

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 4.576 ± 2.057 χ^2/NDF : 12.0/15

Right Out: -4.918 ± 2.940 χ^2/NDF : 19.8/18

Left In: -2.477 ± 2.068 χ^2/NDF : 24.2/14

Left: 1.068 ± 1.458 χ^2/NDF : 42.0/30

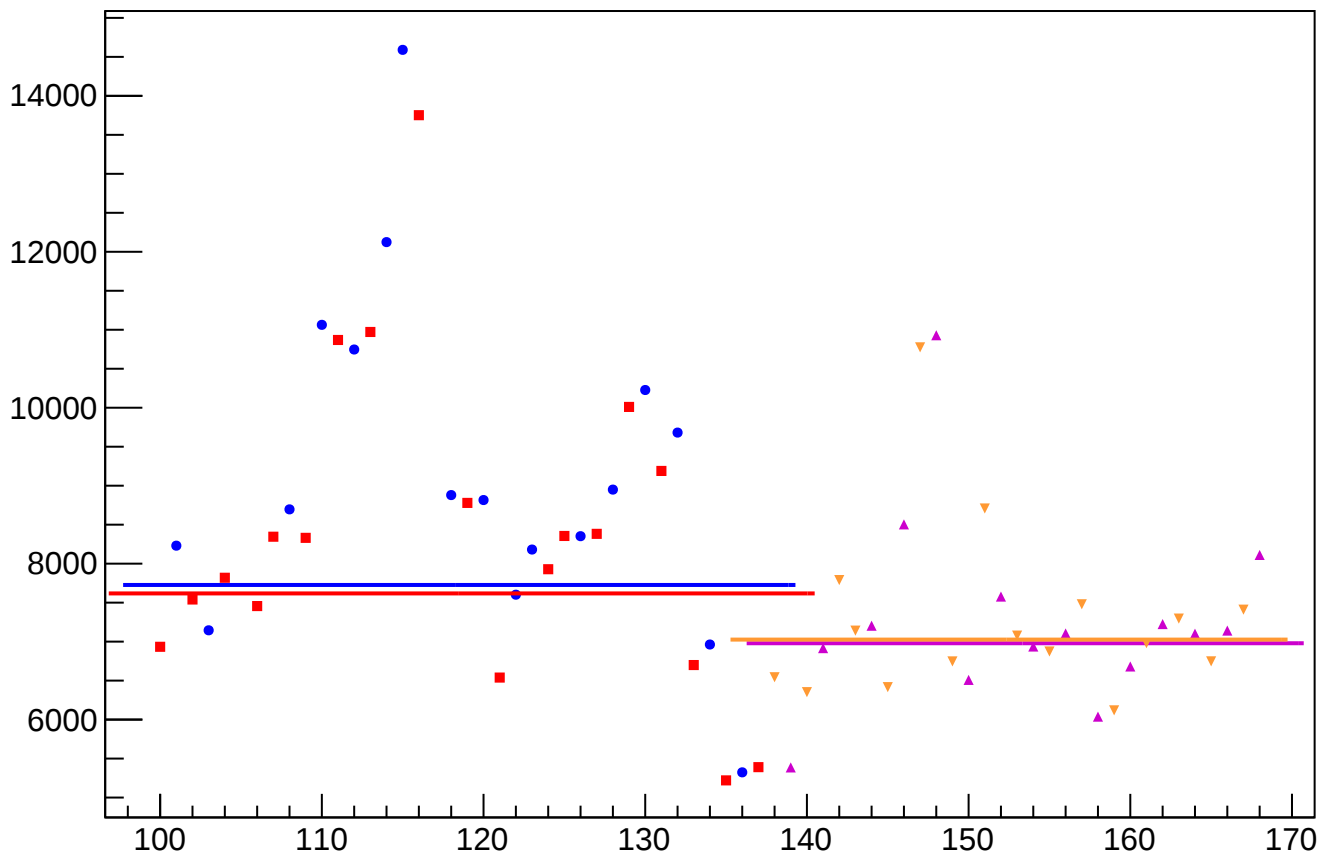
Right: -2.914 ± 2.128 χ^2/NDF : 38.3/35

In: -1.928 ± 1.717 χ^2/NDF : 42.0/31

Out: 1.455 ± 1.685 χ^2/NDF : 38.7/34

All: -0.205 ± 1.203 χ^2/NDF : 82.7/66

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7026.009+/-1.455 χ^2/NDF : 342775.9/15

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

Left In: 6979.182+/-1.462 χ^2/NDF : 478243.7/14

Left: 7002.716+/-1.031 χ^2/NDF : 821535.0/30

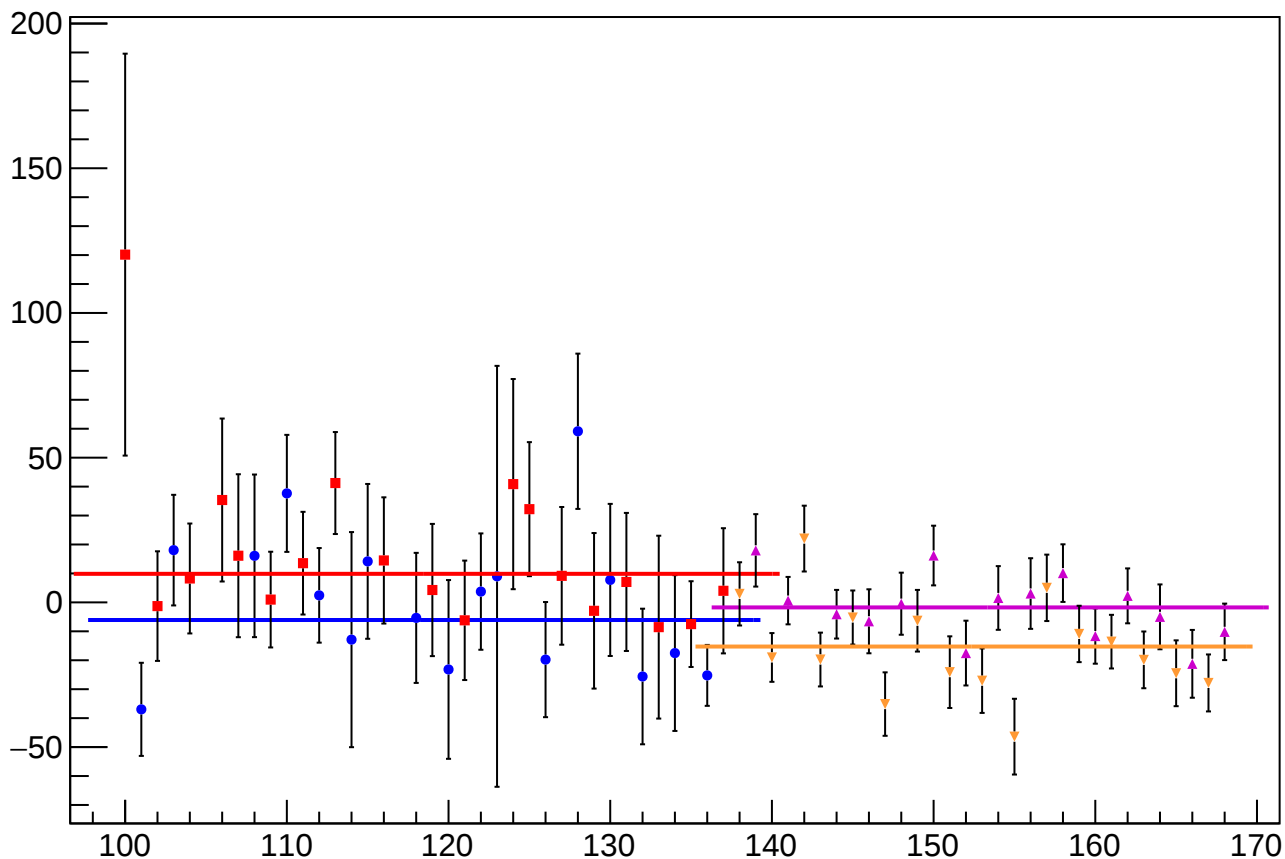
Right: 7669.883+/-1.504 χ^2/NDF : 1418936.4/35

In: 7211.081+/-1.214 χ^2/NDF : 1301843.8/31

Out: 7220.700+/-1.192 χ^2/NDF : 1072386.9/34

All: 7215.981+/-0.851 χ^2/NDF : 2374262.7/66

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -15.261 ± 2.590 χ^2/NDF : 32.3/15

Right Out: 9.864 ± 5.004 χ^2/NDF : 11.6/18

Left In: -1.742 ± 2.648 χ^2/NDF : 14.4/14

Left: -8.652 ± 1.852 χ^2/NDF : 60.0/30

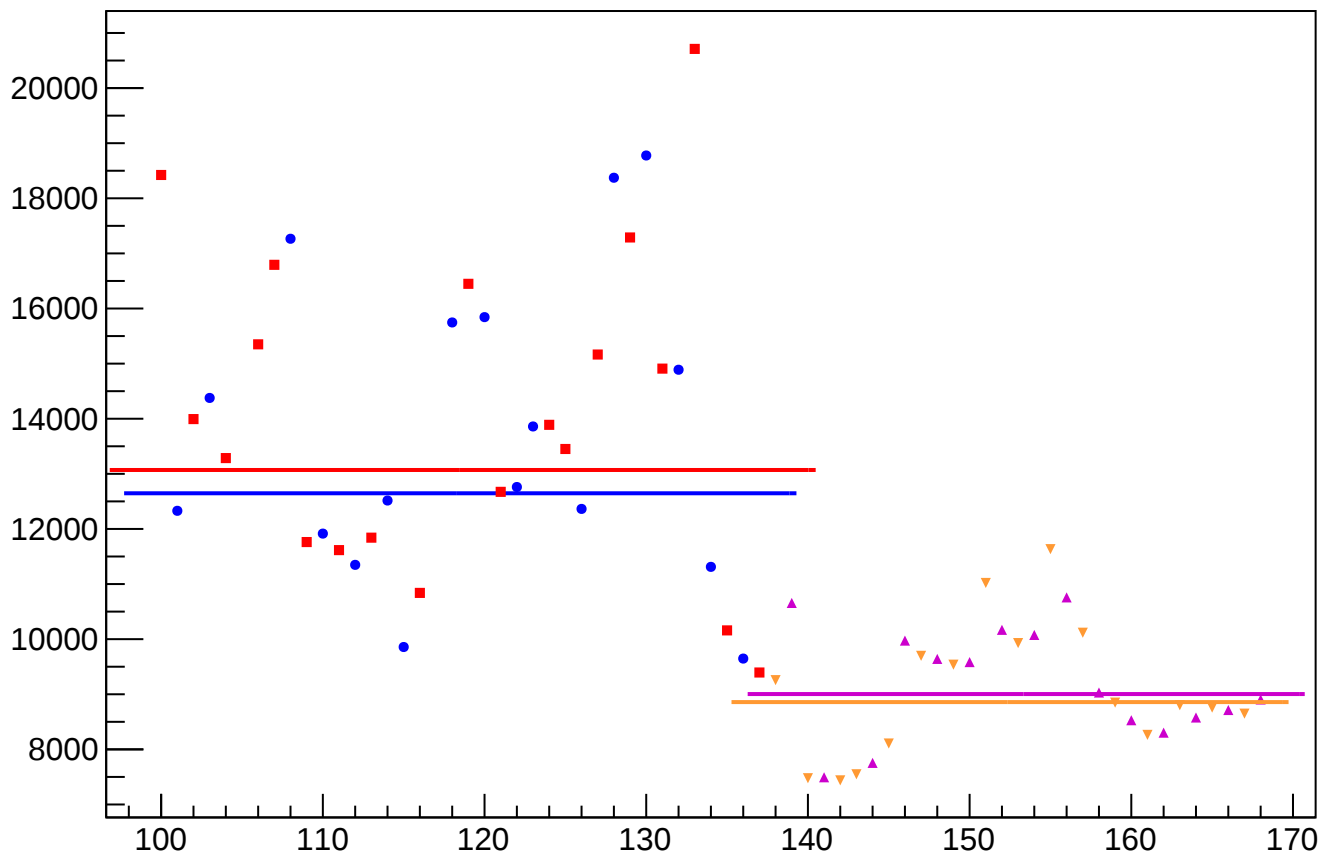
Right: 1.934 ± 3.549 χ^2/NDF : 39.6/35

In: -2.685 ± 2.344 χ^2/NDF : 37.8/31

Out: -9.952 ± 2.300 χ^2/NDF : 63.8/34

All: -6.387 ± 1.642 χ^2/NDF : 106.6/66

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 ± 3.559 χ^2/NDF : 554320.4/16

Left Out: 8858.165 ± 1.831 χ^2/NDF : 363094.8/15

Right Out: 13069.930 ± 3.538 χ^2/NDF : 496271.7/18

Left In: 9003.979 ± 1.873 χ^2/NDF : 278024.1/14

Left: 8929.453 ± 1.309 χ^2/NDF : 644218.1/30

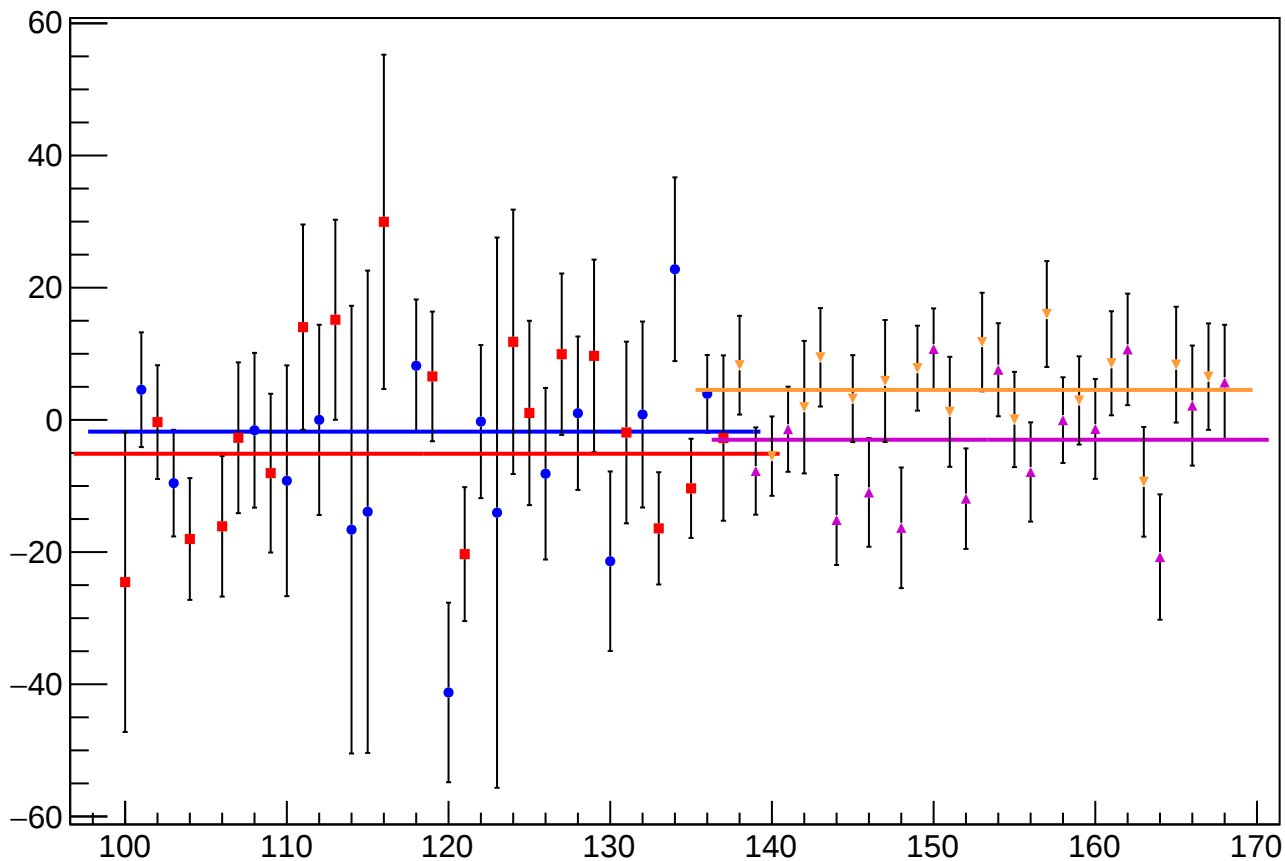
Right: 12859.864 ± 2.509 χ^2/NDF : 1057685.3/35

In: 9793.760 ± 1.657 χ^2/NDF : 1652934.8/31

Out: 9748.230 ± 1.626 χ^2/NDF : 1977009.5/34

All: 9770.568 ± 1.161 χ^2/NDF : 3630328.8/66

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 4.537 ± 1.885 $\chi^2/\text{NDF}: 10.8/15$

Right Out: -5.122 ± 2.642 $\chi^2/\text{NDF}: 18.9/18$

Left In: -3.004 ± 1.928 $\chi^2/\text{NDF}: 23.6/14$

Left: 0.853 ± 1.348 $\chi^2/\text{NDF}: 42.2/30$

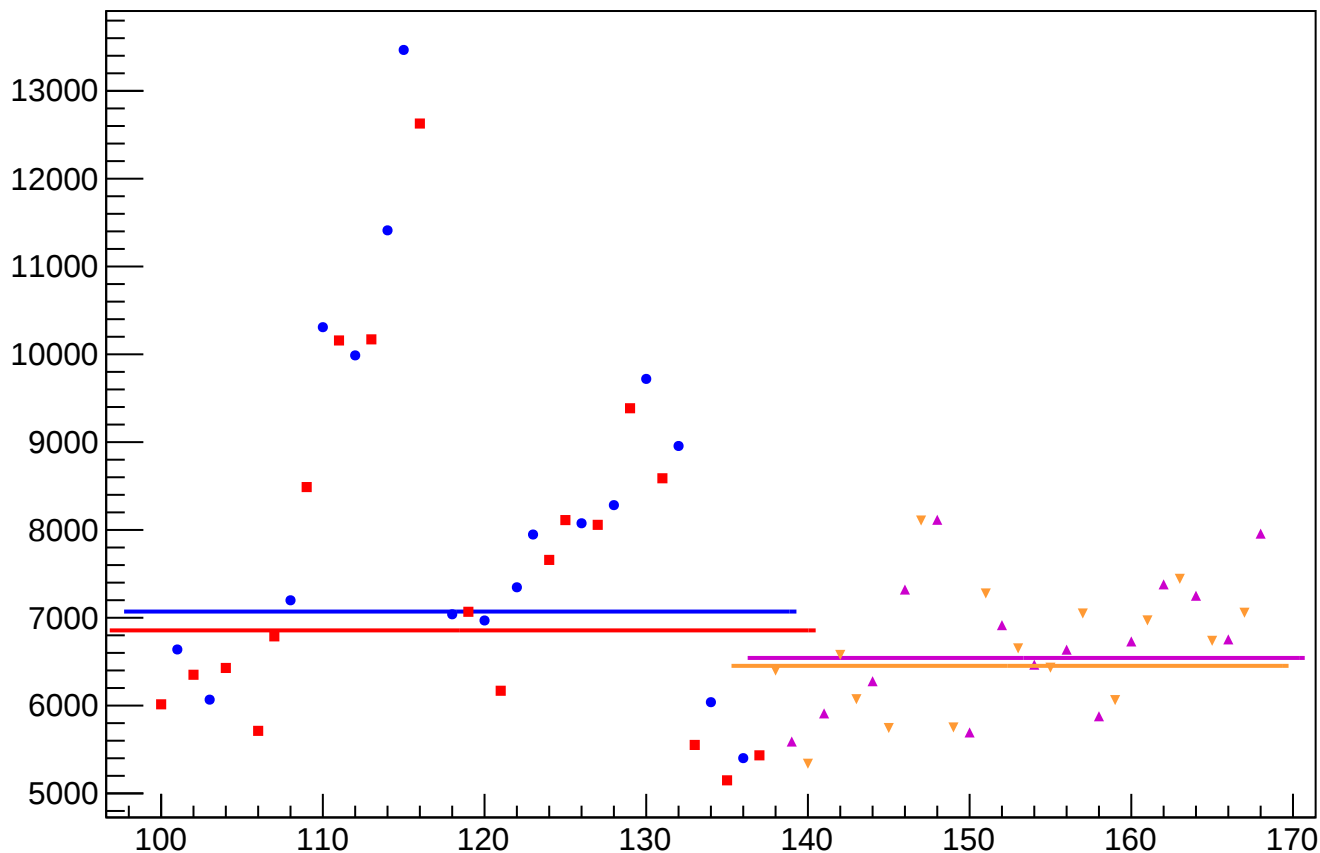
Right: -3.550 ± 1.923 $\chi^2/\text{NDF}: 37.6/35$

In: -2.610 ± 1.589 $\chi^2/\text{NDF}: 41.7/31$

Out: 1.280 ± 1.534 $\chi^2/\text{NDF}: 38.5/34$

All: -0.597 ± 1.104 $\chi^2/\text{NDF}: 83.4/66$

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2/NDF : 601692.5/16

Left Out: 6452.351 $\pm$ 1.333 χ^2/NDF :275593.8/15

Right Out: 6856.136 $\pm$ 1.868 χ^2/NDF : 682220.3/18

Left In: 6542.477 $\pm$ 1.363 χ^2/NDF :291876.7/14

Left: 6496.387 $\pm$ 0.953 χ^2/NDF : 569705.6/30

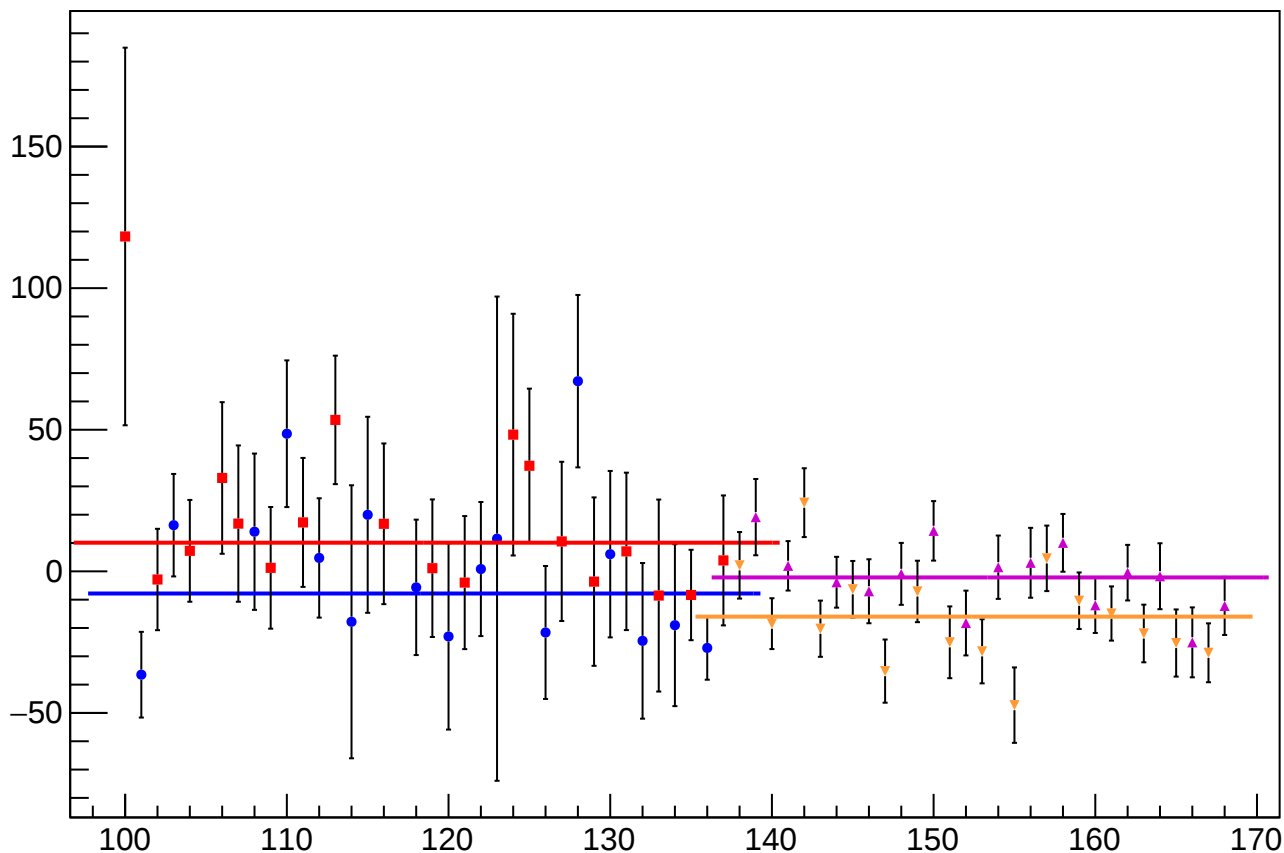
Right: 6956.947 $\pm$ 1.360 χ^2/NDF : 1290110.2/35

In: 6711.866 $\pm$ 1.124 χ^2/NDF :941709.6/31

Out: 6588.522 $\pm$ 1.085 χ^2/NDF :988778.5/34

All: 6648.029 $\pm$ 0.780 χ^2/NDF : 1936724.8/60

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -15.995 ± 2.699 $\chi^2/\text{NDF}: 31.3/15$

Right Out: 10.117 ± 5.571 $\chi^2/\text{NDF}: 12.2/18$

Left In: -2.150 ± 2.748 $\chi^2/\text{NDF}: 14.6/14$

Left: -9.196 ± 1.926 $\chi^2/\text{NDF}: 58.8/30$

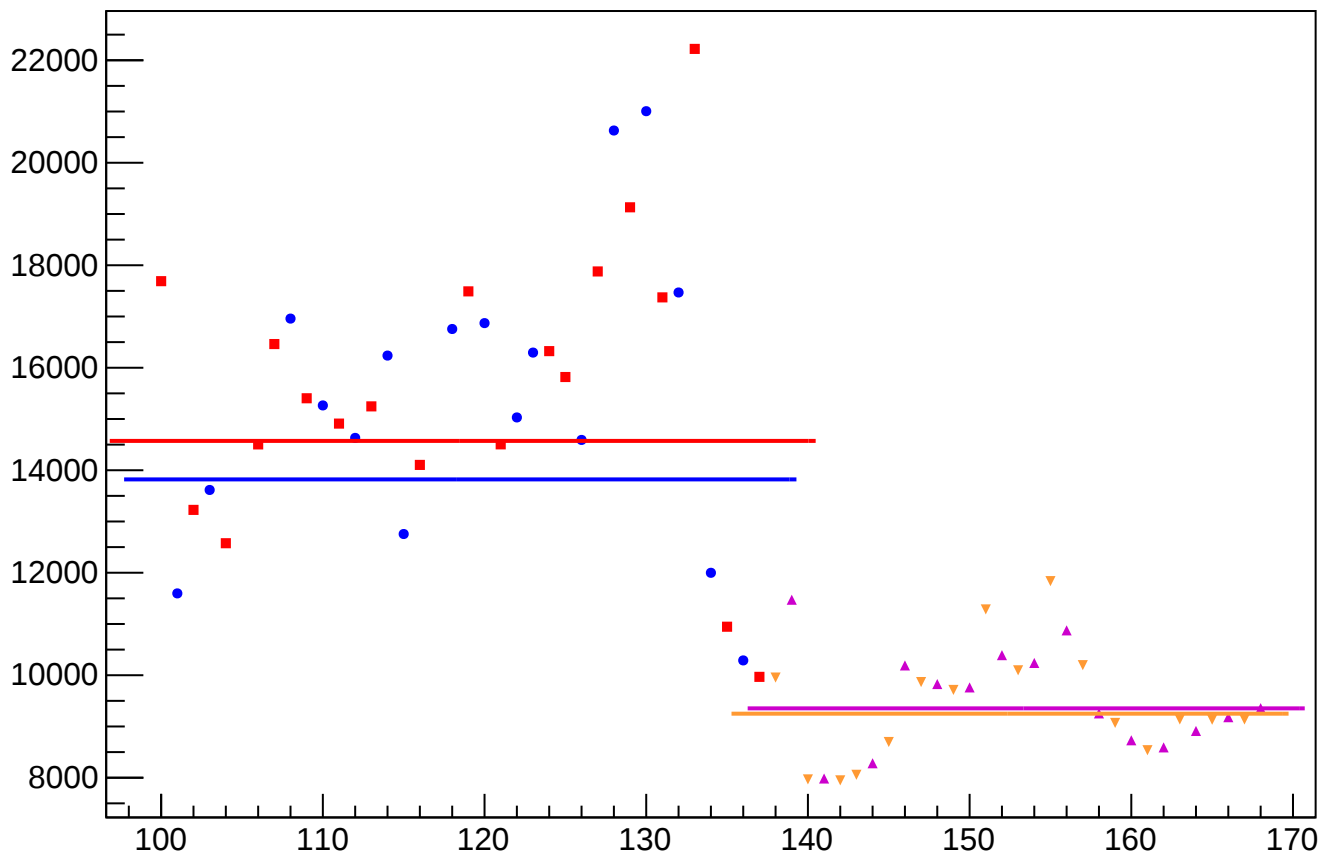
Right: 1.056 ± 3.920 $\chi^2/\text{NDF}: 39.7/35$

In: -3.279 ± 2.460 $\chi^2/\text{NDF}: 37.7/31$

Out: -11.030 ± 2.429 $\chi^2/\text{NDF}: 61.3/34$

All: -7.203 ± 1.728 $\chi^2/\text{NDF}: 104.0/66$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9249.681+/-1.909 χ^2/NDF : 279726.8/15

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

Left In: 9353.374+/-1.943 χ^2/NDF : 228013.6/14

Left: 9300.599+/-1.362 χ^2/NDF : 509189.7/30

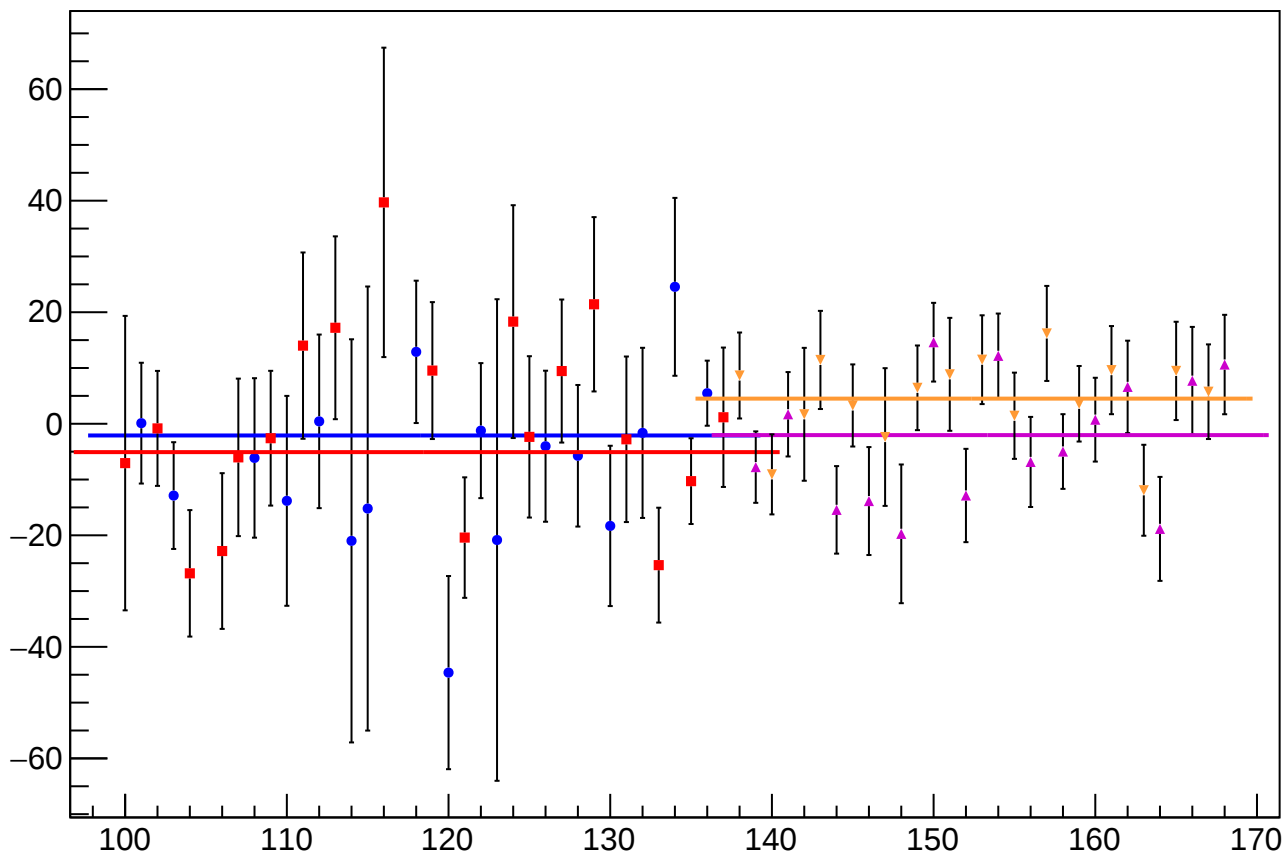
Right: 14193.062+/-2.772 χ^2/NDF : 1093505.5/35

In: 10241.863+/-1.739 χ^2/NDF : 1881964.3/31

Out: 10261.645+/-1.718 χ^2/NDF : 2230730.1/34

All: 10251.877+/-1.222 χ^2/NDF : 4112759.9/66

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 4.509 ± 2.066 χ^2/NDF : 12.8/15

Right Out: -5.085 ± 2.962 χ^2/NDF : 24.8/18

Left In: -2.034 ± 2.077 χ^2/NDF : 26.3/14

Left: 1.255 ± 1.465 χ^2/NDF : 44.1/30

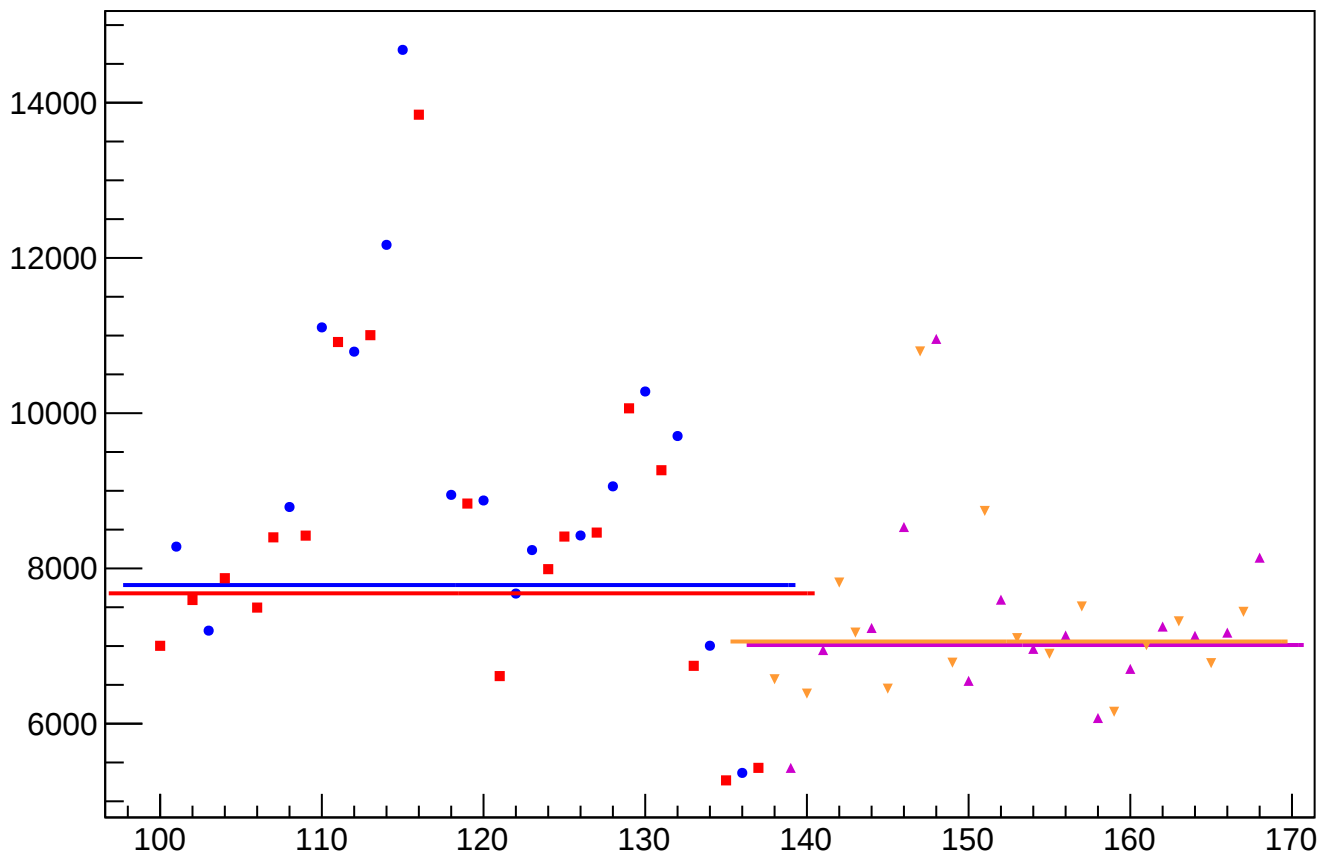
Right: -3.662 ± 2.144 χ^2/NDF : 40.9/35

In: -2.054 ± 1.727 χ^2/NDF : 42.0/31

Out: 1.369 ± 1.695 χ^2/NDF : 44.6/34

All: -0.310 ± 1.210 χ^2/NDF : 88.5/66

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7058.516 $\pm$ 1.461 χ^2 /NDF:338900.4/15

Right Out: 7679.182 $\pm$ 2.095 χ^2 /NDF: 668736.8/18

Left In: 7013.373 $\pm$ 1.469 χ^2 /NDF:470310.9/14

Left: 7036.065 $\pm$ 1.036 χ^2 /NDF: 809686.1/30

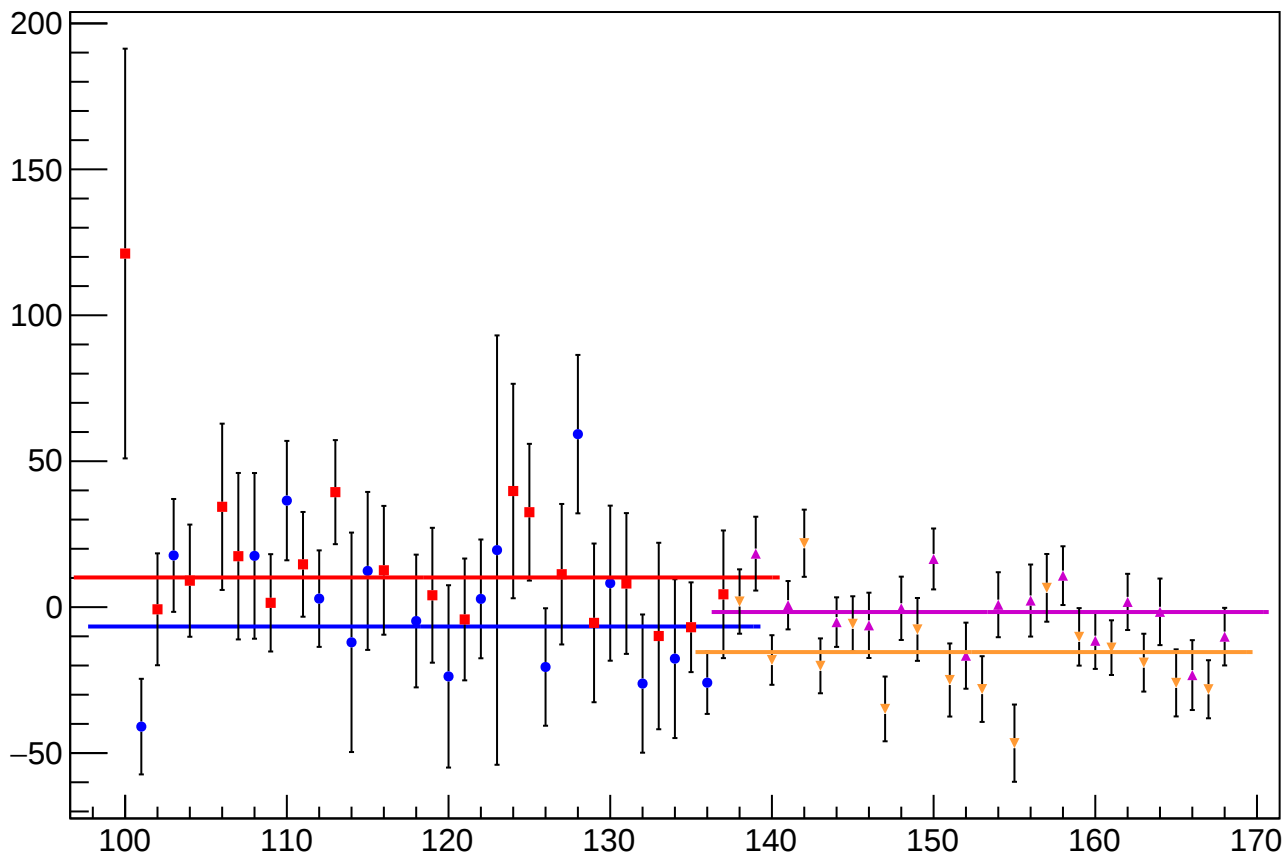
Right: 7730.020 $\pm$ 1.516 χ^2 /NDF: 1408075.7/35

In: 7252.106 $\pm$ 1.221 χ^2 /NDF:1293885.0/31

Out: 7261.677 $\pm$ 1.198 χ^2 /NDF:1066700.7/34

All: 7256.981 $\pm$ 0.855 χ^2 /NDF: 2360617.0/66

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -15.393 ± 2.618 χ^2/NDF : 31.9/15

Right Out: 10.172 ± 5.075 χ^2/NDF : 10.8/18

Left In: -1.674 ± 2.681 χ^2/NDF : 14.6/14

Left: -8.696 ± 1.873 χ^2/NDF : 59.9/30

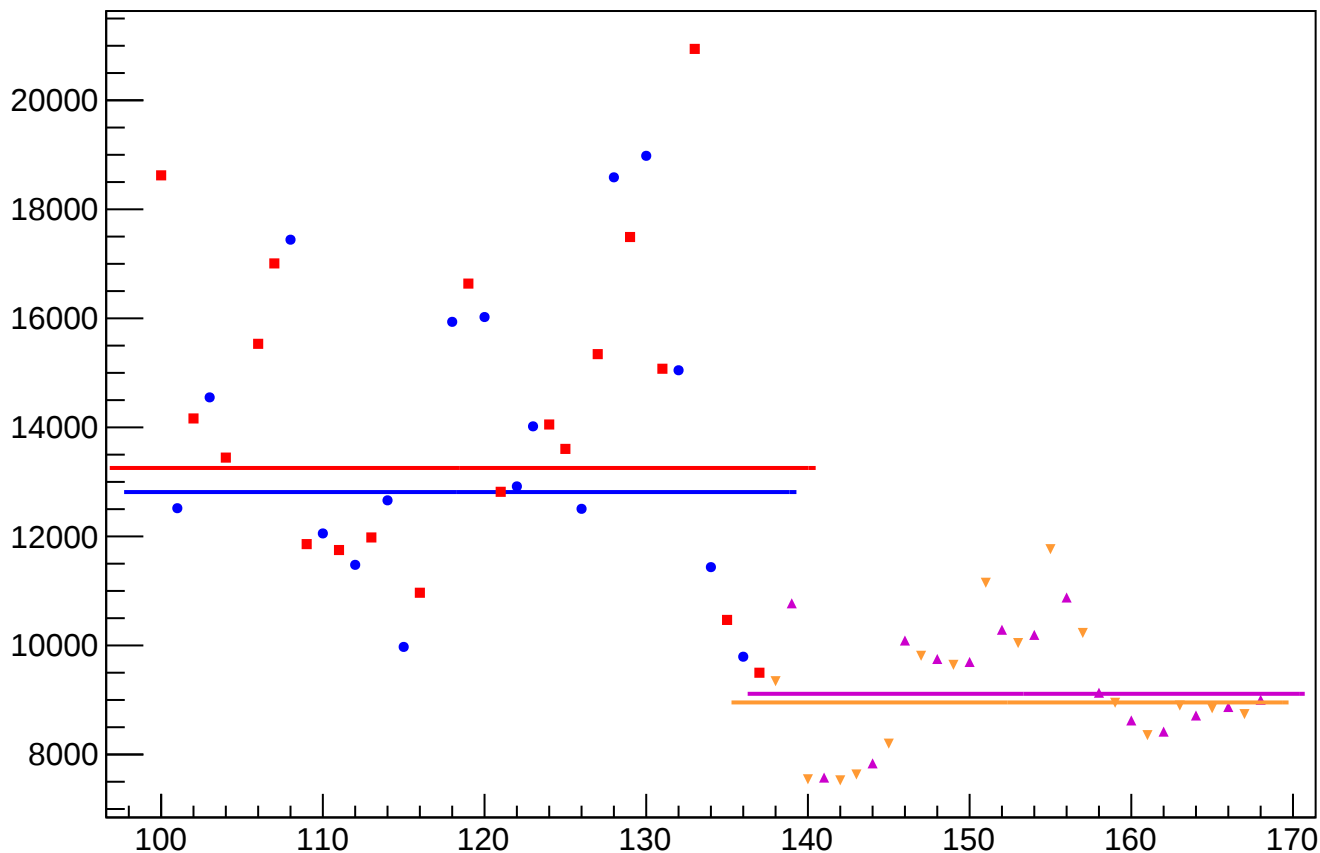
Right: 1.813 ± 3.598 χ^2/NDF : 39.7/35

In: -2.747 ± 2.373 χ^2/NDF : 38.7/31

Out: -10.018 ± 2.327 χ^2/NDF : 62.7/34

All: -6.455 ± 1.661 χ^2/NDF : 106.2/66

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 $\pm$ 3.607 χ^2/NDF : 548127.6/16

Left Out: 8954.597 $\pm$ 1.851 χ^2/NDF : 364700.7/15

Right Out: 13255.535 $\pm$ 3.588 χ^2/NDF : 484287.4/18

Left In: 9113.014 $\pm$ 1.896 χ^2/NDF : 277260.1/14

Left: 9031.933 $\pm$ 1.325 χ^2/NDF : 645534.9/30

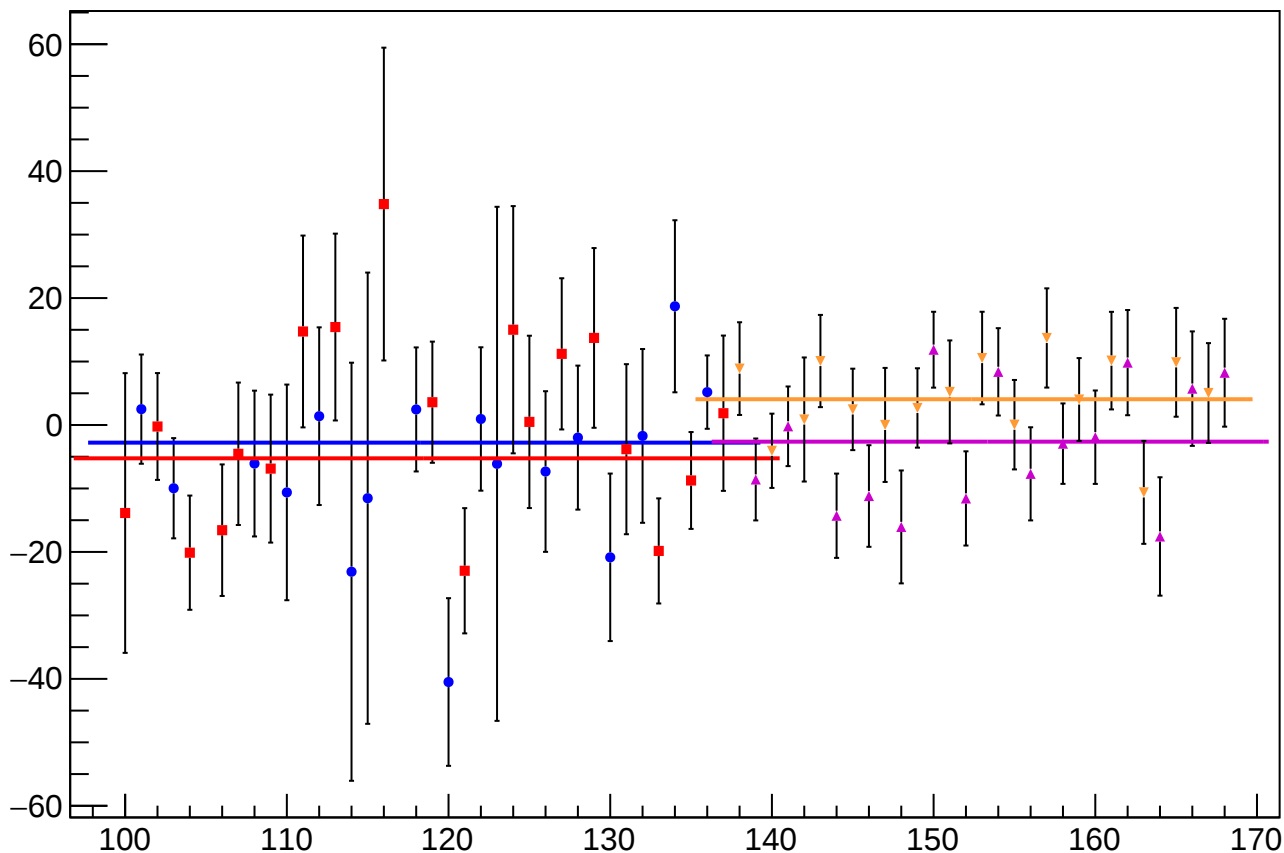
Right: 13035.784 $\pm$ 2.544 χ^2/NDF : 1039954.9/35

In: 9913.927 $\pm$ 1.678 χ^2/NDF : 1650126.1/31

Out: 9858.819 $\pm$ 1.645 χ^2/NDF : 1983522.5/34

All: 9885.830 $\pm$ 1.175 χ^2/NDF : 3634198.4/66

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 4.061 ± 1.840 χ^2/NDF : 10.5/15

Right Out: -5.252 ± 2.590 χ^2/NDF : 23.5/18

Left In: -2.626 ± 1.884 χ^2/NDF : 25.2/14

Left: 0.797 ± 1.316 χ^2/NDF : 42.2/30

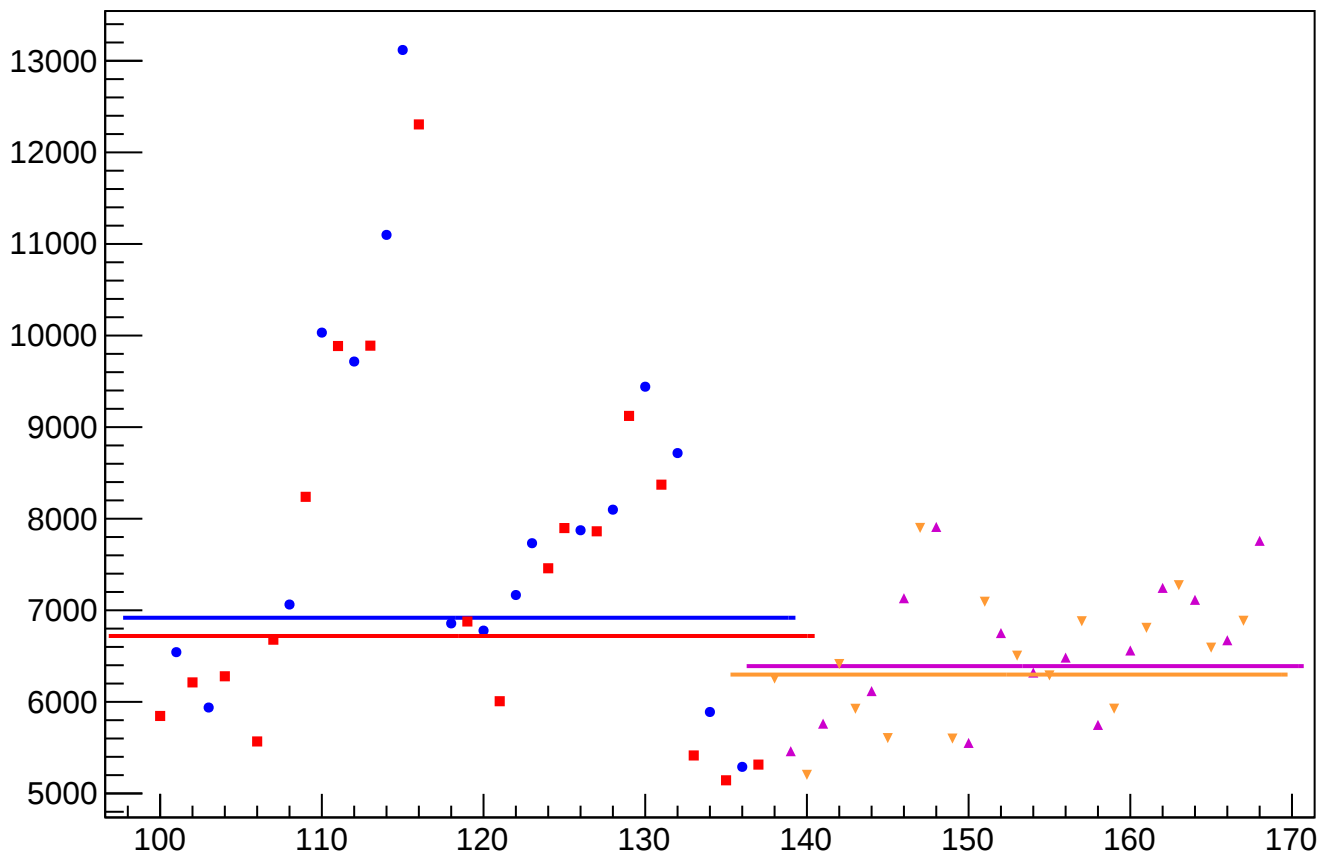
Right: -4.088 ± 1.884 χ^2/NDF : 41.0/35

In: -2.675 ± 1.554 χ^2/NDF : 42.2/31

Out: 0.938 ± 1.500 χ^2/NDF : 42.6/34

All: -0.805 ± 1.079 χ^2/NDF : 87.6/66

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 $\pm$ 1.943 χ^2 /NDF: 587976.6/16

Left Out: 6298.077 $\pm$ 1.301 χ^2 /NDF: 277261.0/15

Right Out: 6719.404 $\pm$ 1.831 χ^2 /NDF: 653831.7/18

Left In: 6390.457 $\pm$ 1.332 χ^2 /NDF: 293743.1/14

Left: 6343.163 $\pm$ 0.931 χ^2 /NDF: 573465.9/30

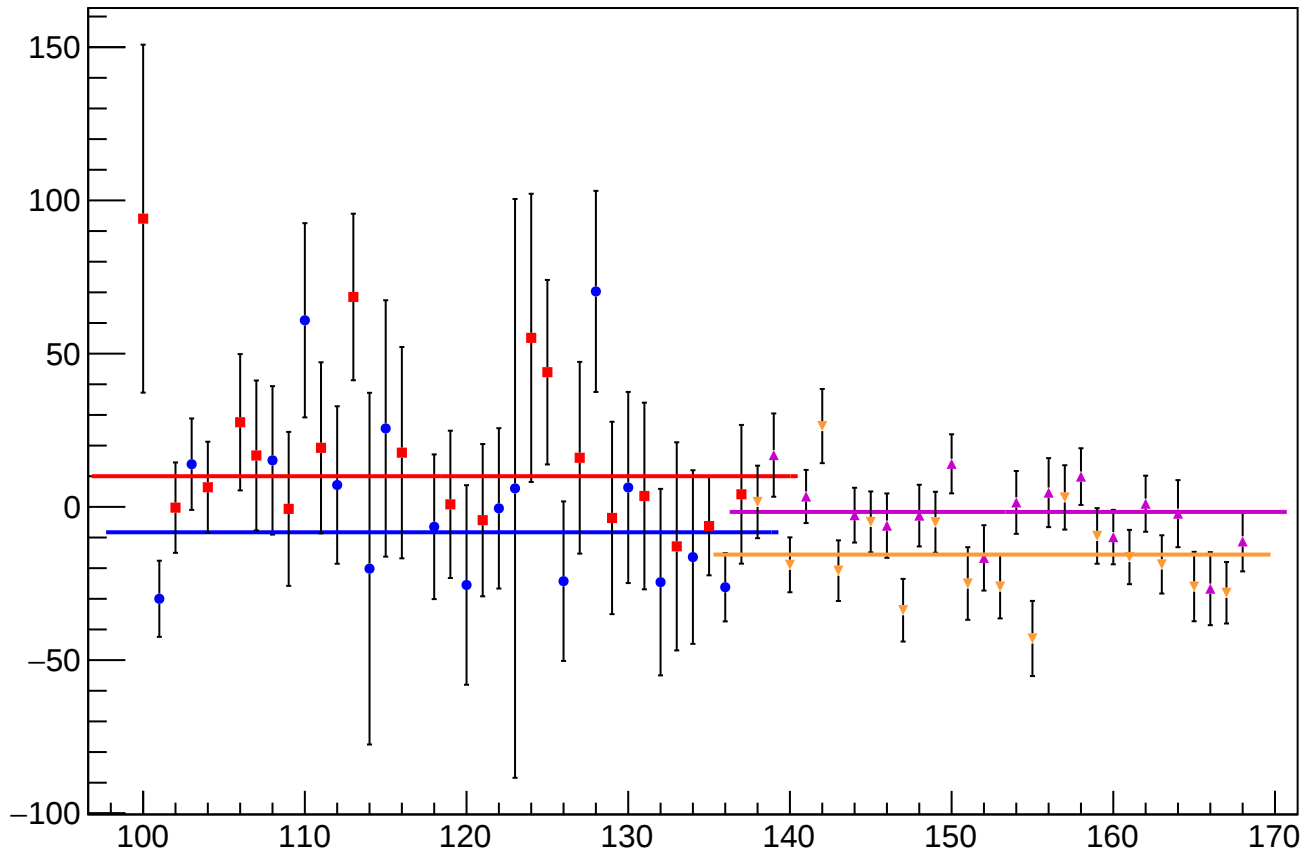
Right: 6813.106 $\pm$ 1.332 χ^2 /NDF: 1247373.6/35

In: 6559.386 $\pm$ 1.099 χ^2 /NDF: 931986.6/31

Out: 6439.375 $\pm$ 1.060 χ^2 /NDF: 966279.3/34

All: 6497.257 $\pm$ 0.763 χ^2 /NDF: 1904443.2/66

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -15.559 ± 2.562 χ^2/NDF : 32.7/15

Right Out: 10.007 ± 5.513 χ^2/NDF : 12.9/18

Left In: -1.651 ± 2.588 χ^2/NDF : 15.3/14

Left: -8.675 ± 1.821 χ^2/NDF : 62.6/30

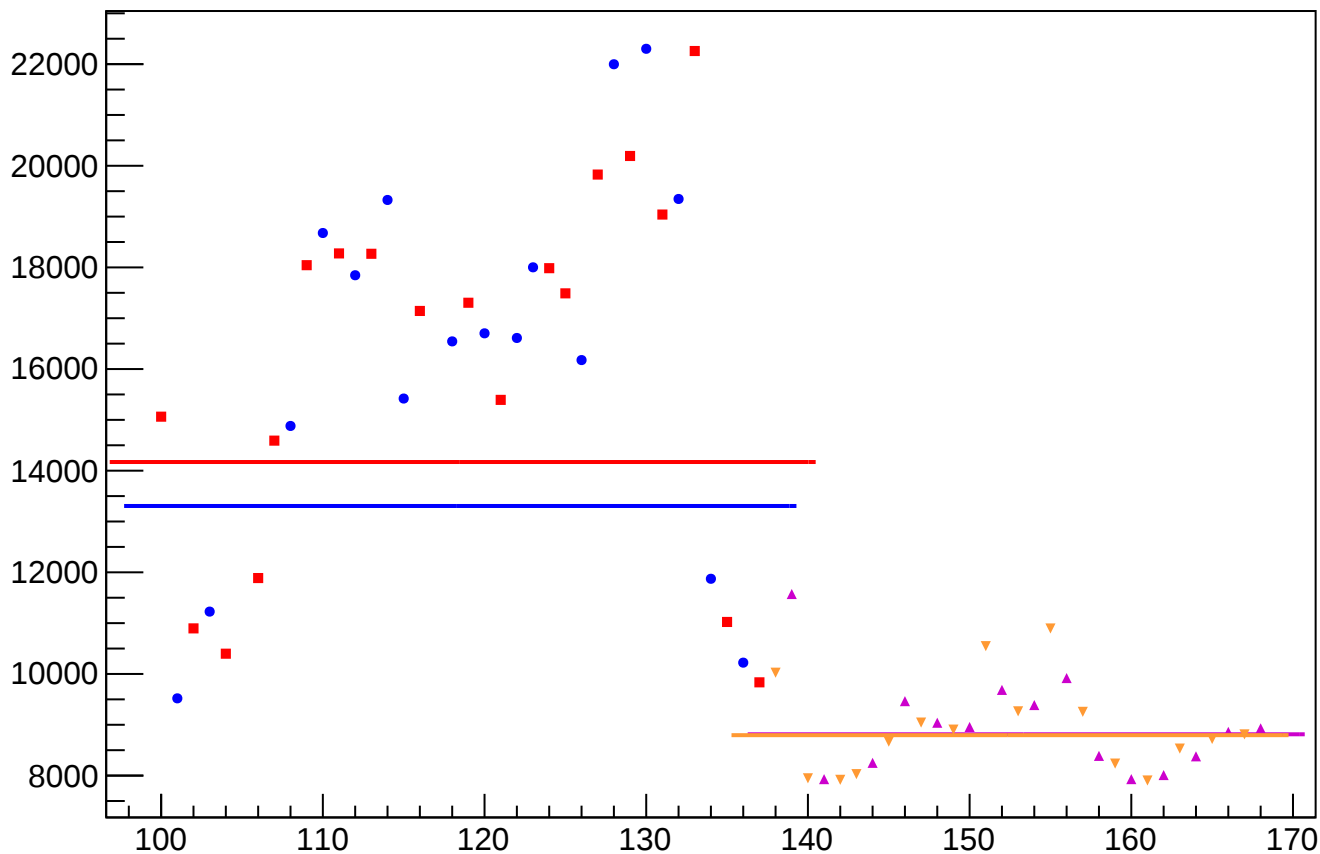
Right: 0.688 ± 3.861 χ^2/NDF : 40.2/35

In: -2.887 ± 2.335 χ^2/NDF : 38.3/31

Out: -11.017 ± 2.324 χ^2/NDF : 63.3/34

All: -6.972 ± 1.647 χ^2/NDF : 107.7/66

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8795.470+/-1.812 χ^2/NDF : 203665.4/15

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

Left In: 8812.847+/-1.830 χ^2/NDF : 202148.1/14

Left: 8804.071+/-1.288 χ^2/NDF : 405859.0/30

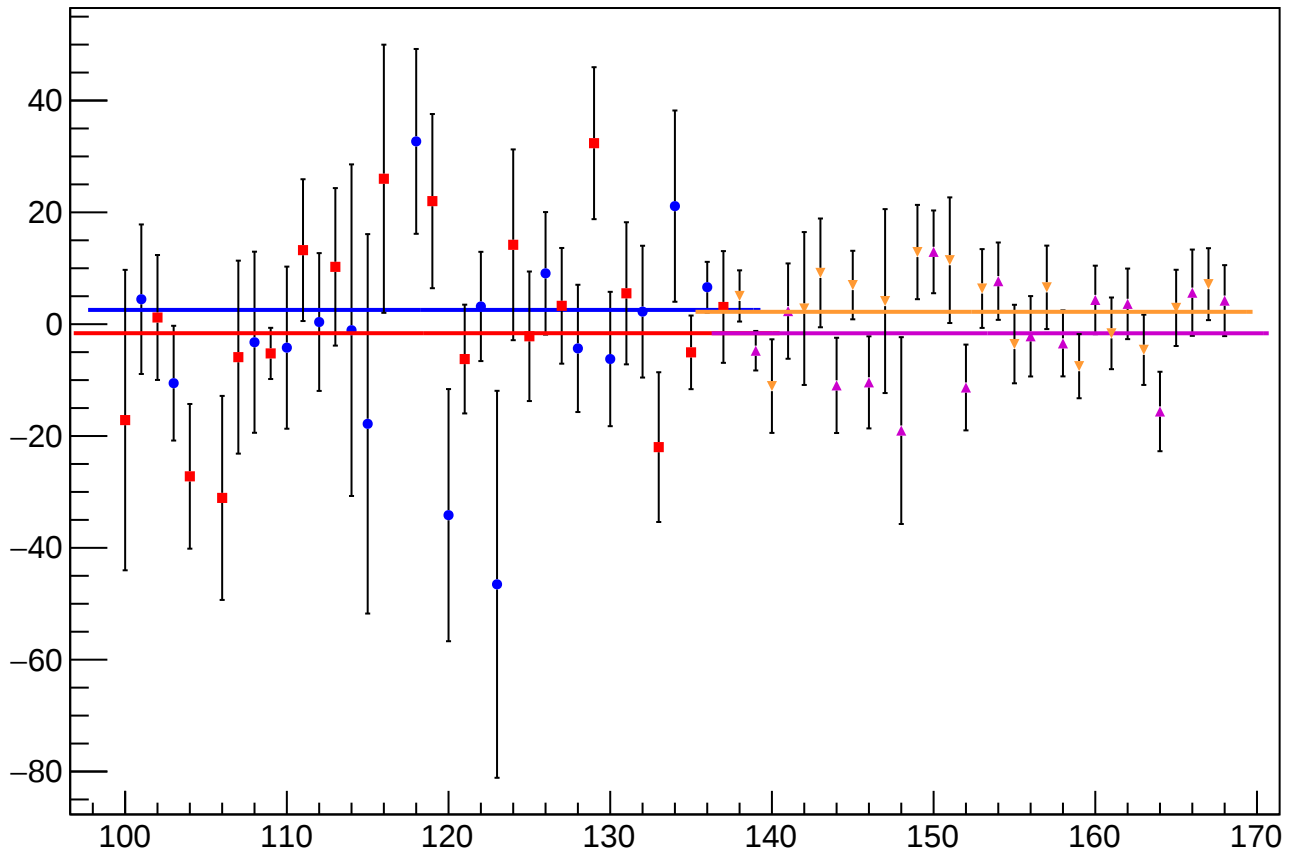
Right: 13729.884+/-2.730 χ^2/NDF : 1999799.5/35

In: 9649.518+/-1.651 χ^2/NDF : 2368518.8/31

Out: 9750.278+/-1.643 χ^2/NDF : 2697766.1/34

All: 9700.139+/-1.165 χ^2/NDF : 5068156.3/66

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 2.211 ± 1.784 $\chi^2/\text{NDF}: 12.7/15$

Right Out: -1.613 ± 2.442 $\chi^2/\text{NDF}: 24.0/18$

Left In: -1.628 ± 1.707 $\chi^2/\text{NDF}: 19.0/14$

Left: 0.207 ± 1.233 $\chi^2/\text{NDF}: 34.2/30$

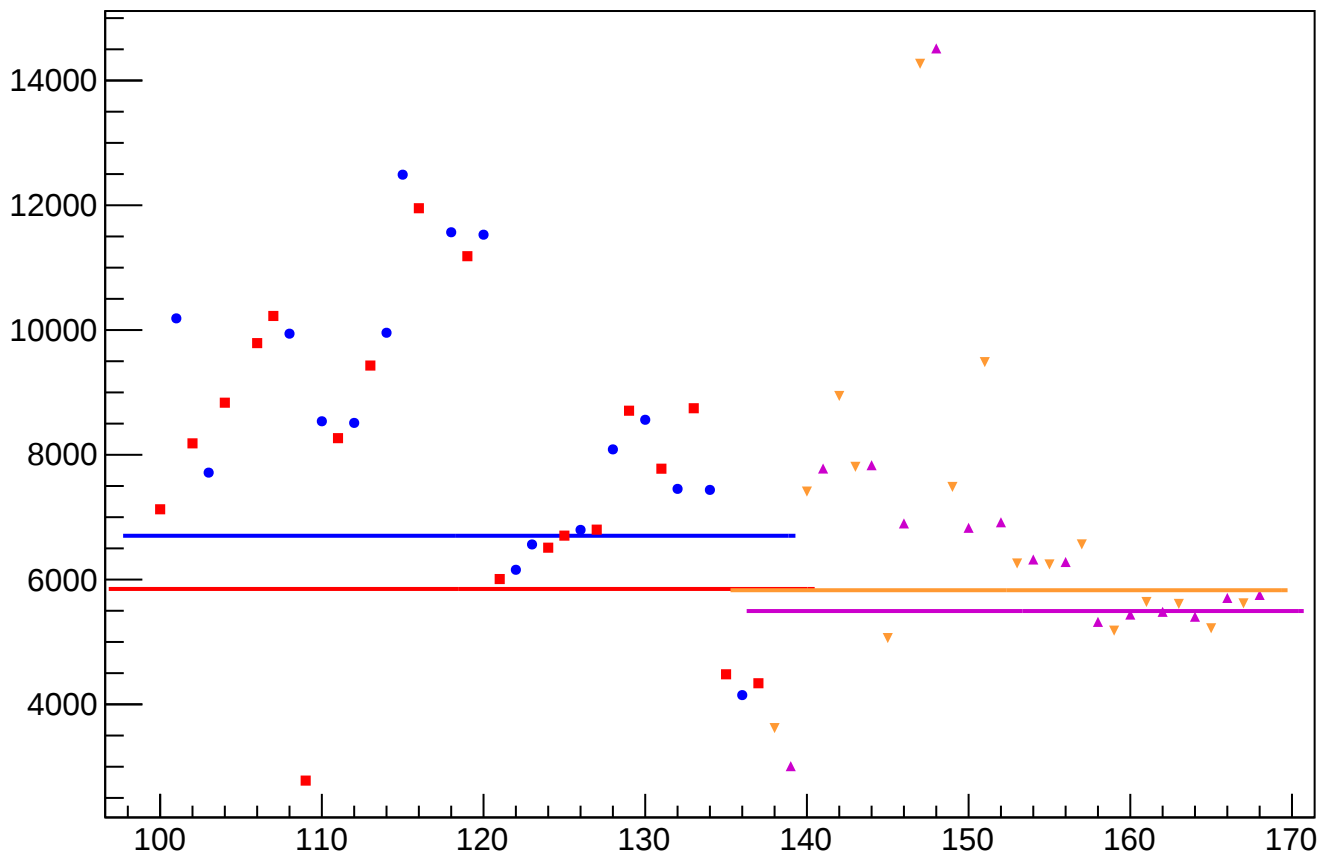
Right: 0.218 ± 1.828 $\chi^2/\text{NDF}: 38.9/35$

In: -0.470 ± 1.451 $\chi^2/\text{NDF}: 34.3/31$

Out: 0.881 ± 1.440 $\chi^2/\text{NDF}: 38.3/34$

All: 0.210 ± 1.022 $\chi^2/\text{NDF}: 73.1/66$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5829.205+/-1.261 χ^2/NDF : 1651835.4/15

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

Left In: 5495.686+/-1.207 χ^2/NDF : 2118561.4/14

Left: 5655.069+/-0.872 χ^2/NDF : 3806903.0/30

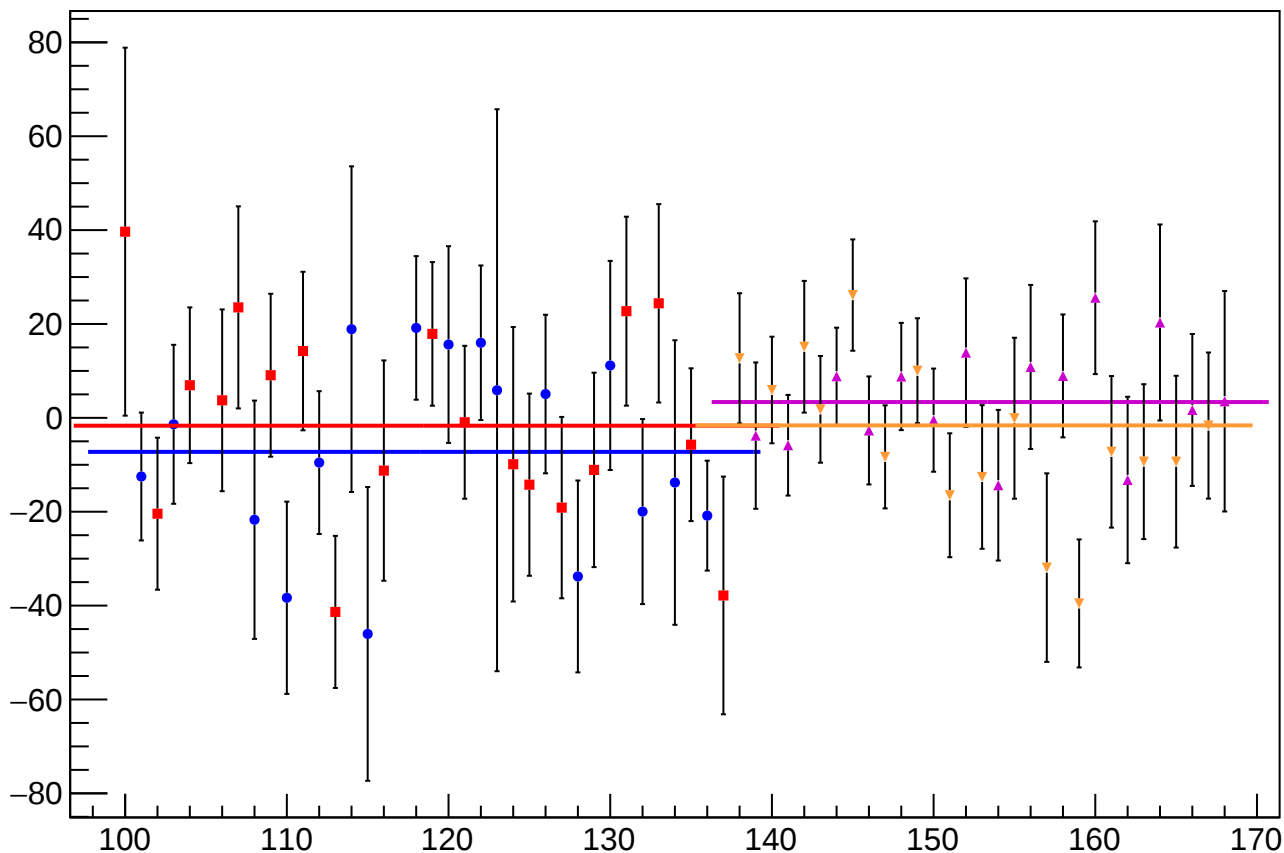
Right: 6224.538+/-1.293 χ^2/NDF : 3775609.7/35

In: 5829.946+/-1.026 χ^2/NDF : 3785489.9/31

Out: 5836.302+/-1.019 χ^2/NDF : 3930390.9/34

All: 5833.147+/-0.723 χ^2/NDF : 7715900.2/60

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: -1.608 $\pm$ 3.428 χ^2/NDF : 22.3/15

Right Out: -1.671 $\pm$ 4.373 χ^2/NDF : 19.9/18

Left In: 3.366 $\pm$ 3.592 χ^2/NDF : 7.3/14

Left: 0.764 $\pm$ 2.480 χ^2/NDF : 30.6/30

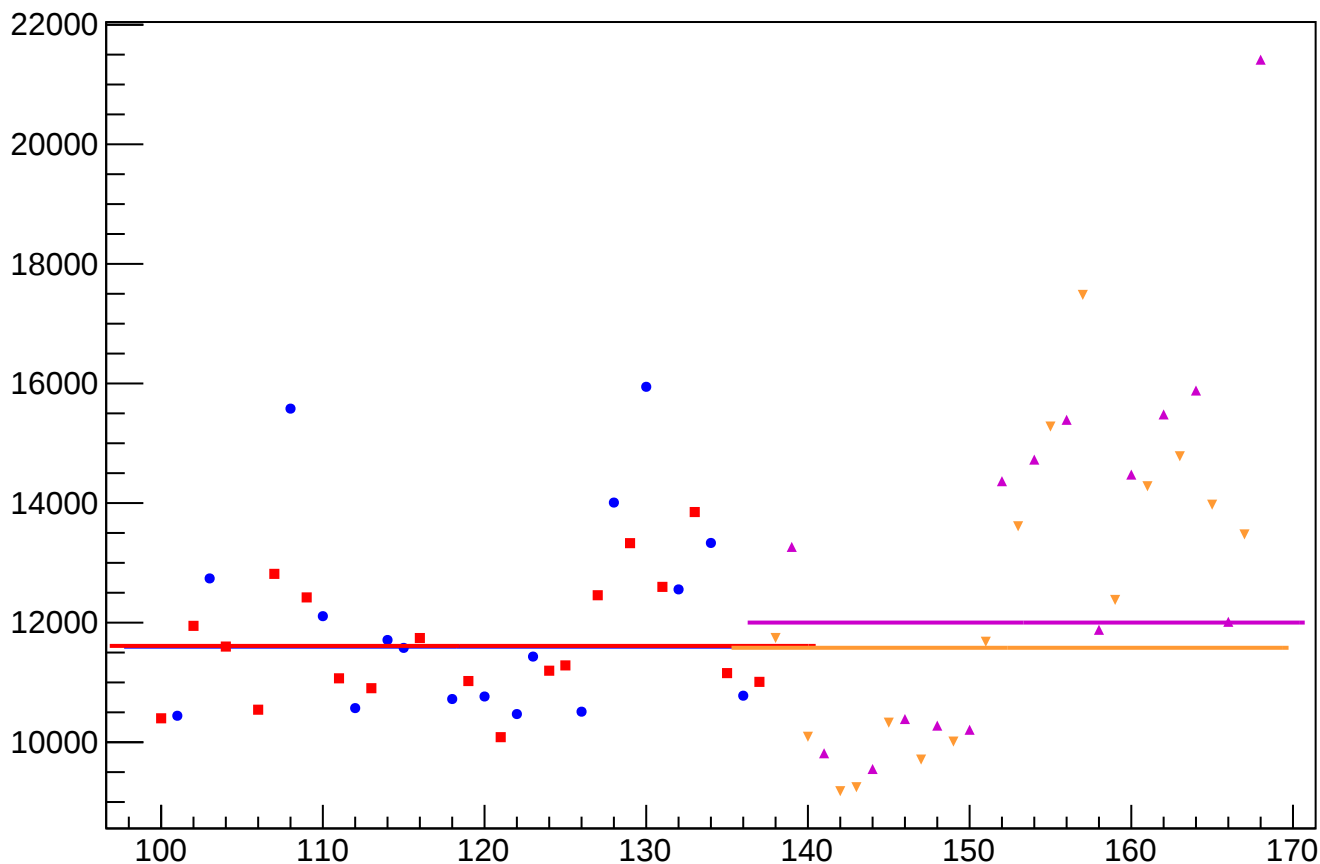
Right: -4.349 $\pm$ 3.152 χ^2/NDF : 36.6/35

In: -0.711 $\pm$ 2.819 χ^2/NDF : 26.6/31

Out: -1.632 $\pm$ 2.698 χ^2/NDF : 42.1/34

All: -1.192 $\pm$ 1.949 χ^2/NDF : 68.8/66

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751 $\pm$ 3.215 χ^2/NDF : 235423.8/16

Left Out: 11579.485 $\pm$ 2.424 χ^2/NDF : 800239.8/15

Right Out: 11610.941 $\pm$ 3.092 χ^2/NDF : 94447.0/18

Left In: 12001.126 $\pm$ 2.540 χ^2/NDF : 1037973.3/14

Left: 11780.485 $\pm$ 1.754 χ^2/NDF : 1852633.2/30

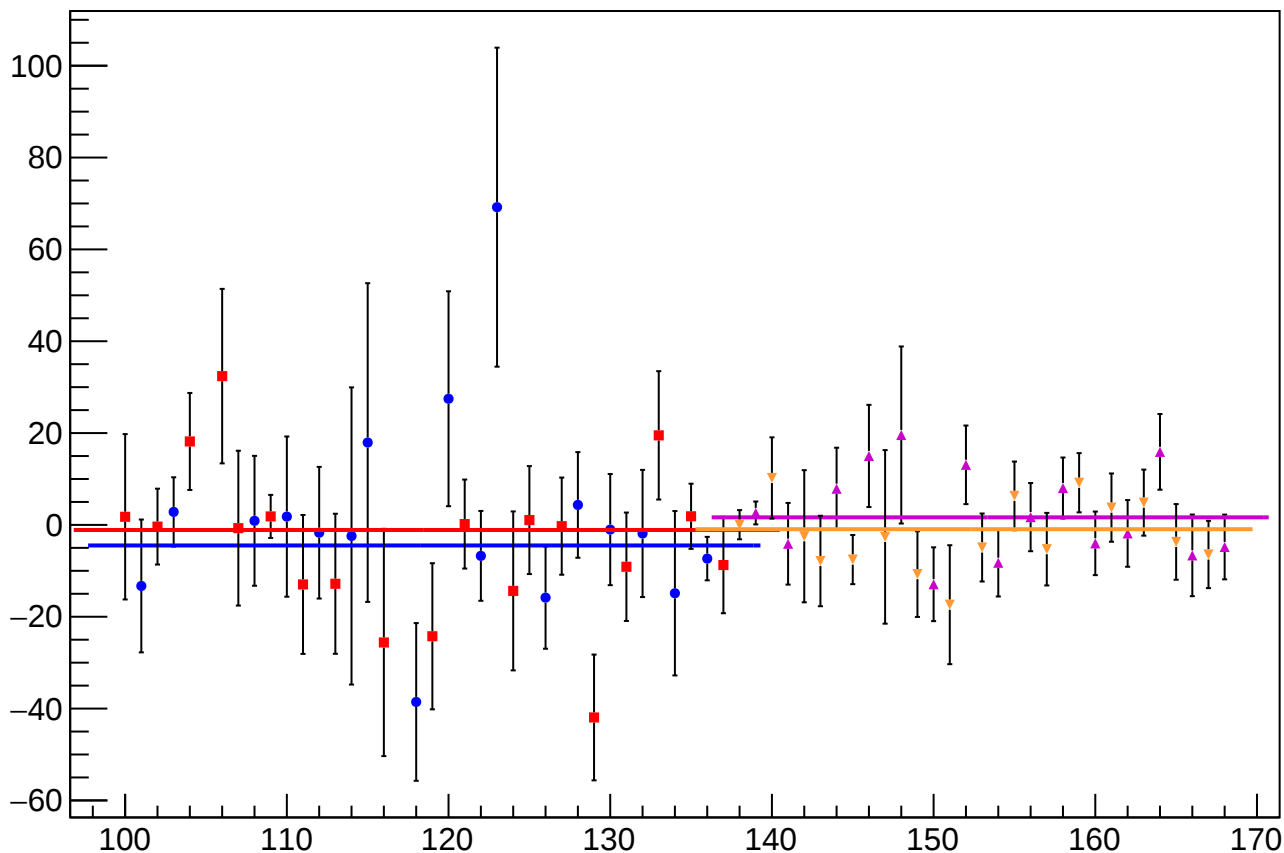
Right: 11605.084 $\pm$ 2.229 χ^2/NDF : 329878.2/35

In: 11846.503 $\pm$ 1.993 χ^2/NDF : 1283040.8/31

Out: 11591.460 $\pm$ 1.908 χ^2/NDF : 894750.9/34

All: 11713.412 $\pm$ 1.378 χ^2/NDF : 2186336.7/66

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.938 ± 1.743 χ^2/NDF : 12.2/15

Right Out: -1.105 ± 2.429 χ^2/NDF : 24.0/18

Left In: 1.646 ± 1.638 χ^2/NDF : 16.8/14

Left: 0.435 ± 1.194 χ^2/NDF : 30.1/30

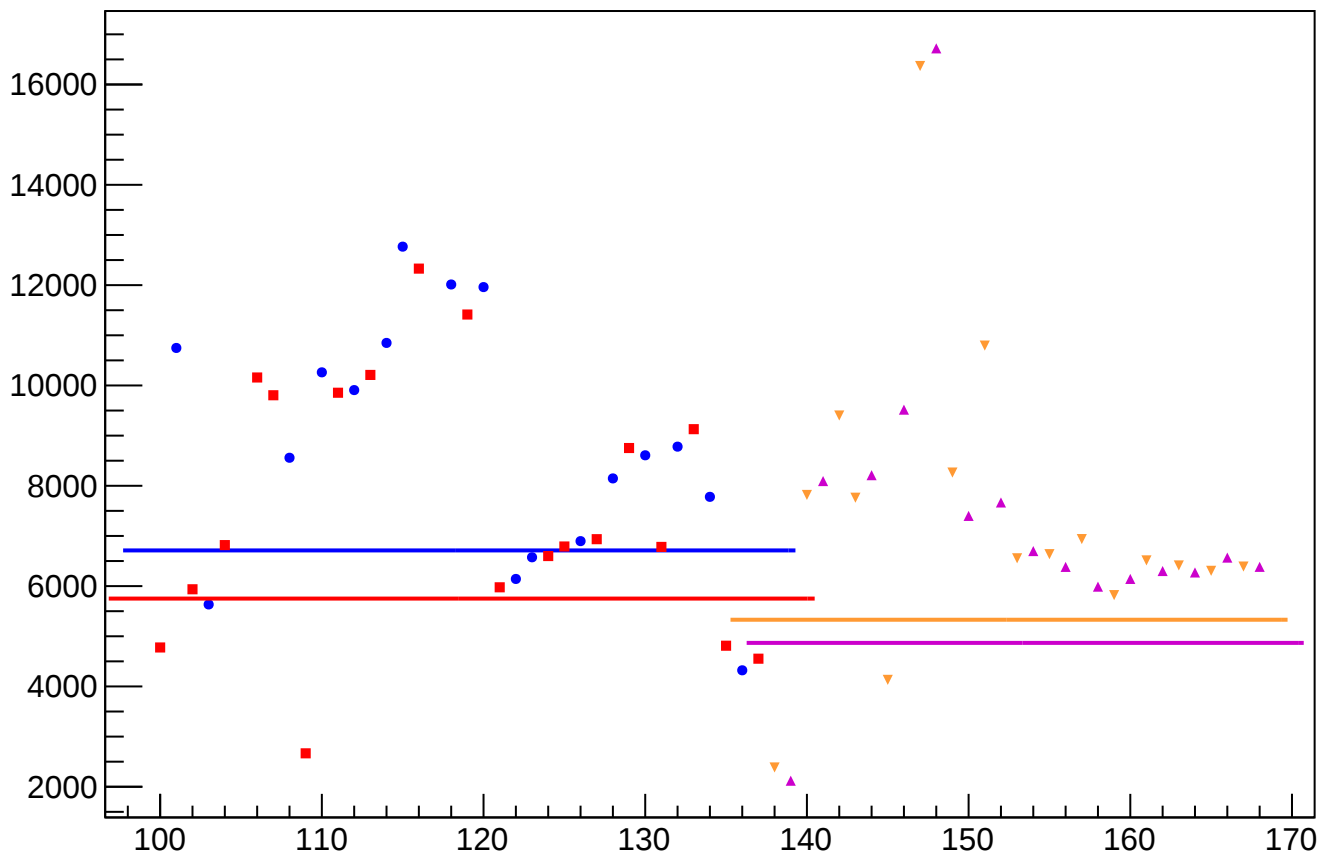
Right: -2.563 ± 1.830 χ^2/NDF : 39.7/35

In: 0.071 ± 1.411 χ^2/NDF : 35.2/31

Out: -0.994 ± 1.416 χ^2/NDF : 36.2/34

All: -0.460 ± 1.000 χ^2/NDF : 71.7/66

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 +/- 1.967

χ^2/NDF : 1446972.0/16

Left: 5084.509 +/- 0.844

χ^2/NDF : 9072991.0/30

Left Out: 5329.678 +/- 1.233

χ^2/NDF : 3871014.4/15

Right: 6166.836 +/- 1.294

χ^2/NDF : 3747249.5/35

Right Out: 5751.505 +/- 1.718

χ^2/NDF : 2165110.0/18

In: 5342.610 +/- 0.998

χ^2/NDF : 7226733.0/31

Out: 5473.089 +/- 1.001

χ^2/NDF : 6075936.6/34

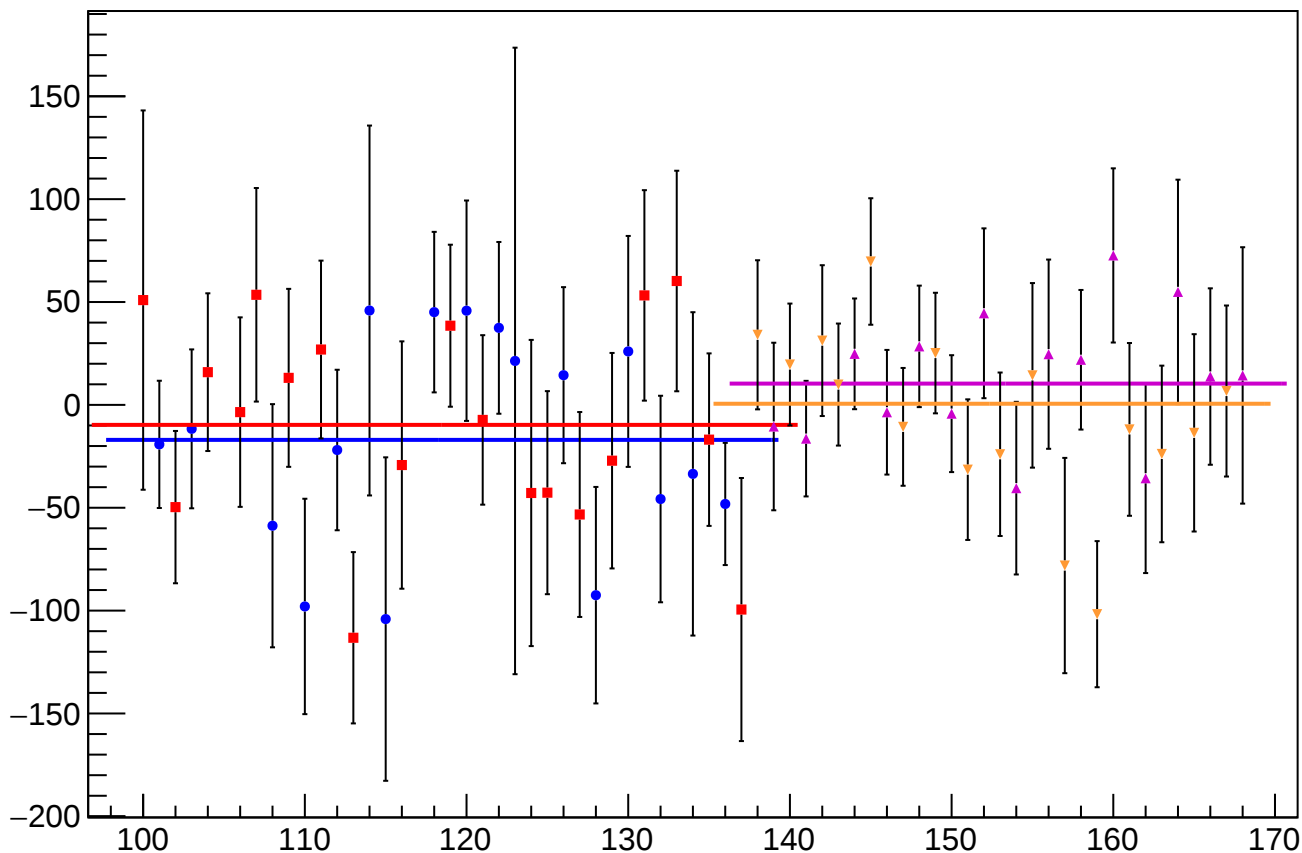
Left In: 4868.156 +/- 1.158

χ^2/NDF : 5127510.4/14

All: 5407.617 +/- 0.707

χ^2/NDF : 13311187.6/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 ± 11.287 $\chi^2/\text{NDF}: 15.0/16$

Left Out: 0.553 ± 8.947 $\chi^2/\text{NDF}: 20.4/15$

Right Out: -9.719 ± 10.891 $\chi^2/\text{NDF}: 19.1/18$

Left In: 10.345 ± 9.370 $\chi^2/\text{NDF}: 8.5/14$

Left: 5.223 ± 6.471 $\chi^2/\text{NDF}: 29.5/30$

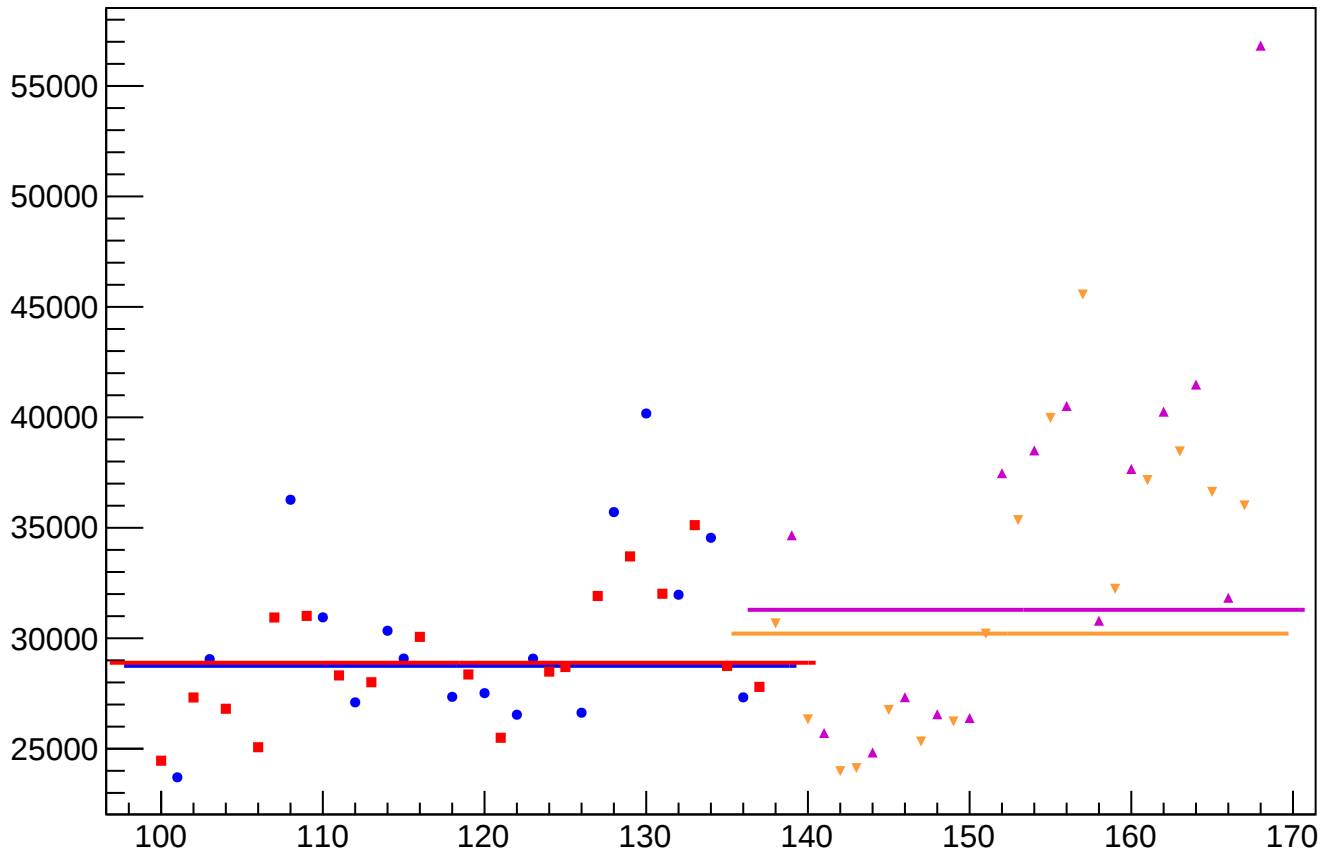
Right: -13.234 ± 7.837 $\chi^2/\text{NDF}: 34.3/35$

In: -0.816 ± 7.210 $\chi^2/\text{NDF}: 27.0/31$

Out: -3.586 ± 6.913 $\chi^2/\text{NDF}: 40.0/34$

All: -2.259 ± 4.990 $\chi^2/\text{NDF}: 67.1/66$

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 30210.723+/-6.326 χ^2/NDF : 807034.9/15

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

Left In: 31288.001+/-6.626 χ^2/NDF : 1064622.1/14

Left: 30724.468+/-4.576 χ^2/NDF : 1885485.0/30

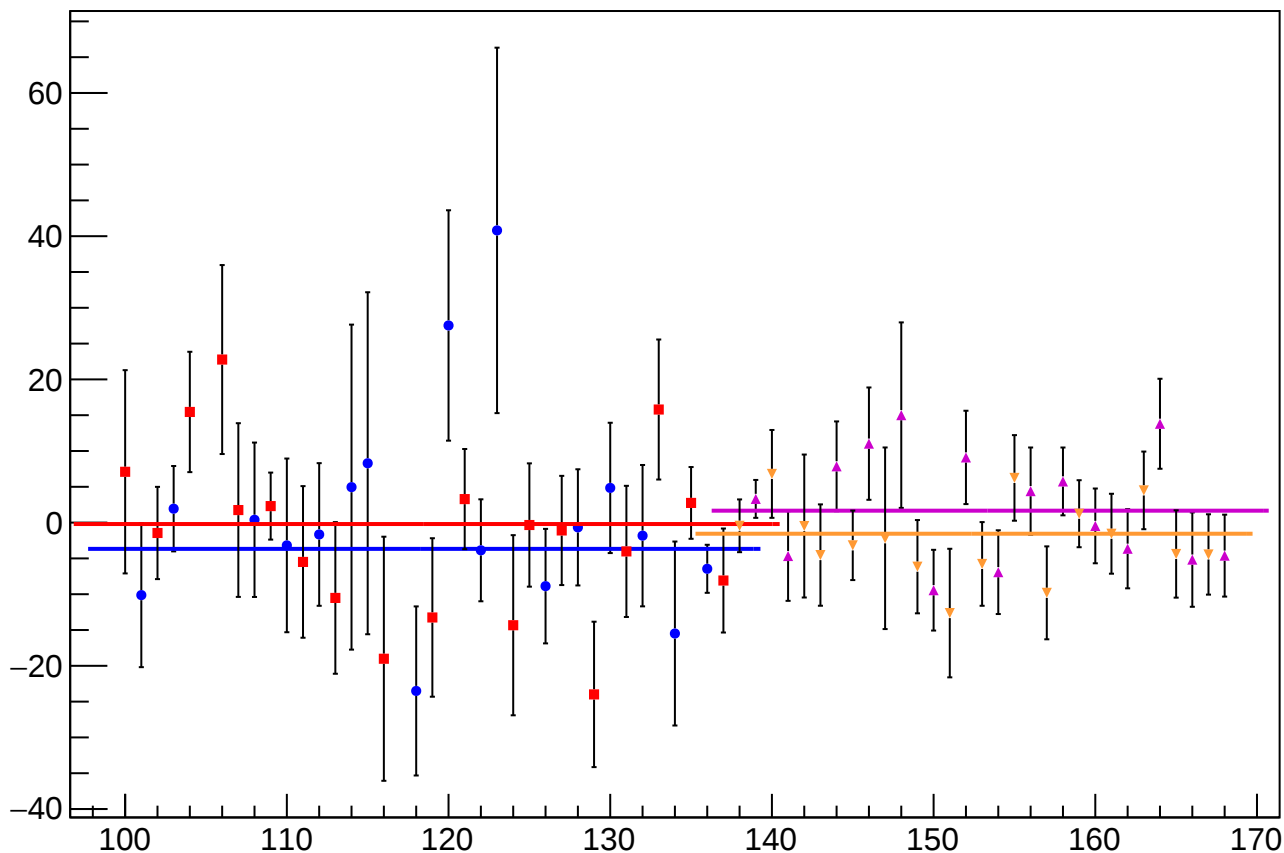
Right: 28825.443+/-5.542 χ^2/NDF : 360612.0/35

In: 30254.025+/-5.098 χ^2/NDF : 1373522.7/31

Out: 29679.412+/-4.888 χ^2/NDF : 935780.1/34

All: 29954.661+/-3.528 χ^2/NDF : 2315921.5/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.553 ± 1.464 χ^2/NDF : 10.2/15

Right Out: -0.199 ± 1.893 χ^2/NDF : 22.3/18

Left In: 1.665 ± 1.387 χ^2/NDF : 20.3/14

Left: 0.144 ± 1.007 χ^2/NDF : 33.0/30

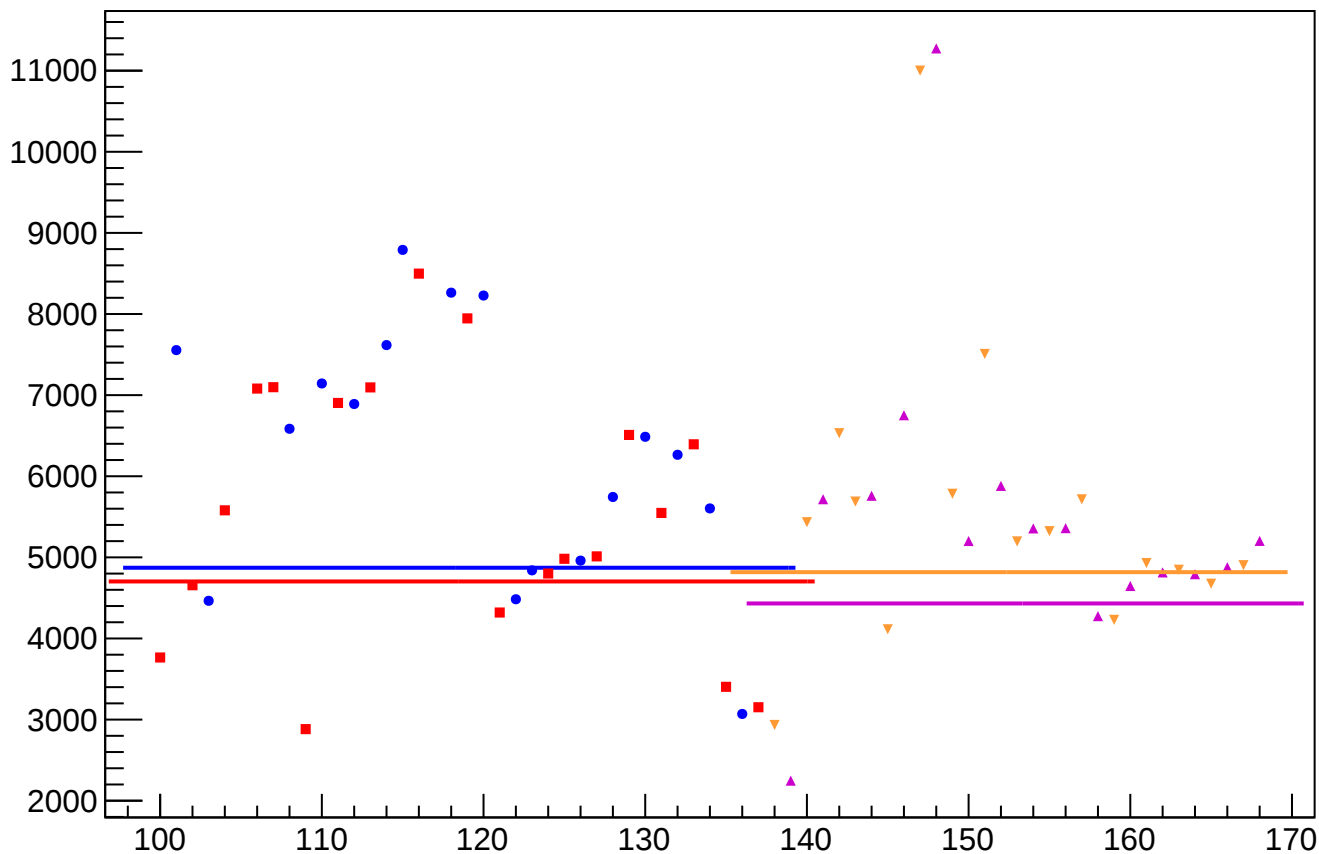
Right: -1.830 ± 1.378 χ^2/NDF : 38.4/35

In: -0.055 ± 1.141 χ^2/NDF : 39.5/31

Out: -1.046 ± 1.158 χ^2/NDF : 32.8/34

All: -0.543 ± 0.813 χ^2/NDF : 72.7/66

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 ± 1.421 $\chi^2/\text{NDF}: 1405253.2/16$

Left Out: 4817.837 ± 1.035 $\chi^2/\text{NDF}: 1468255.6/15$

Right Out: 4702.994 ± 1.338 $\chi^2/\text{NDF}: 1312720.8/18$

Left In: 4431.681 ± 0.981 $\chi^2/\text{NDF}: 2569869.6/14$

Left: 4614.260 ± 0.712 $\chi^2/\text{NDF}: 4111452.4/30$

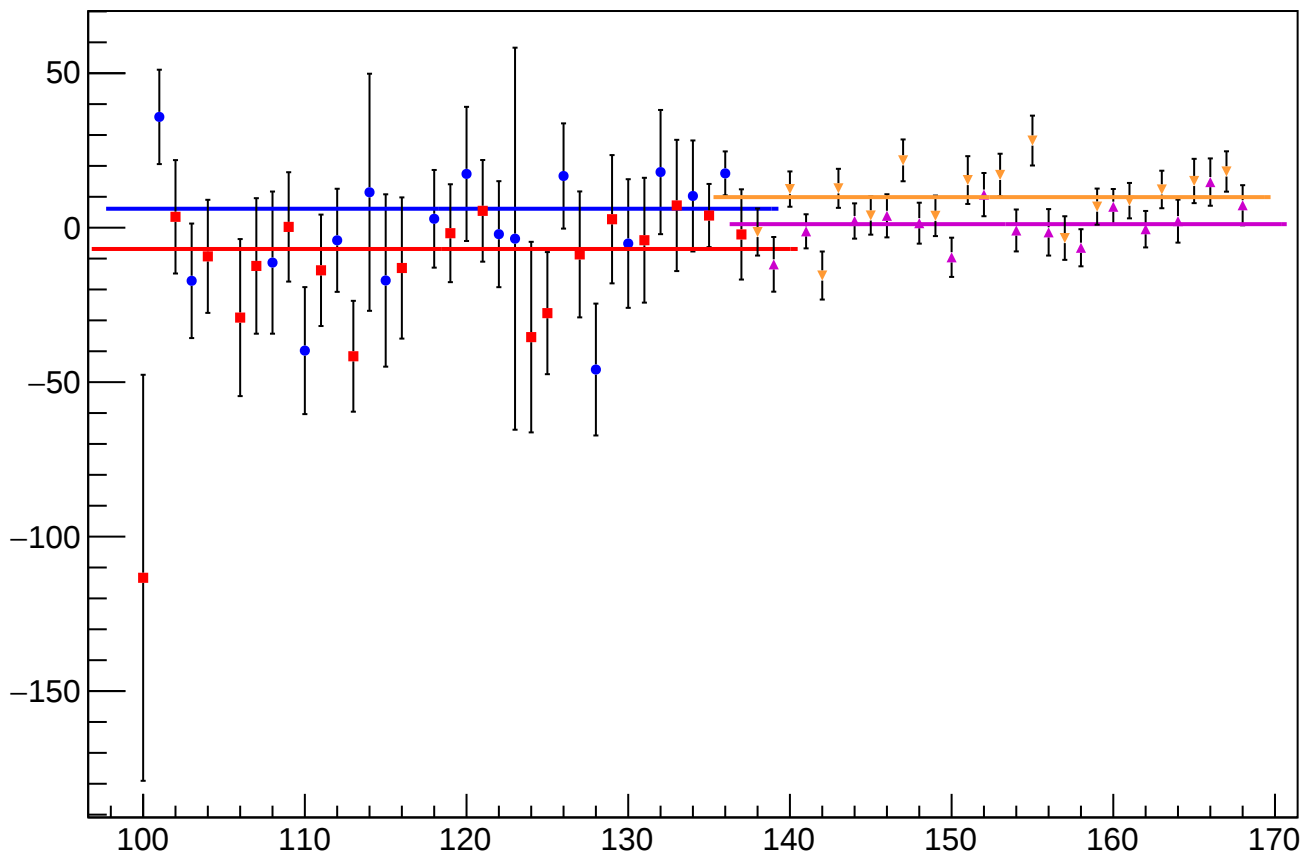
Right: 4782.480 ± 0.974 $\chi^2/\text{NDF}: 2725478.8/35$

In: 4573.732 ± 0.807 $\chi^2/\text{NDF}: 4040190.9/31$

Out: 4774.836 ± 0.819 $\chi^2/\text{NDF}: 2785582.8/34$

All: 4672.818 ± 0.575 $\chi^2/\text{NDF}: 6856364.7/60$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 9.892 ± 1.659 χ^2/NDF : 31.0/15

Right Out: -6.892 ± 4.224 χ^2/NDF : 12.5/18

Left In: 1.143 ± 1.685 χ^2/NDF : 14.2/14

Left: 5.586 ± 1.182 χ^2/NDF : 58.9/30

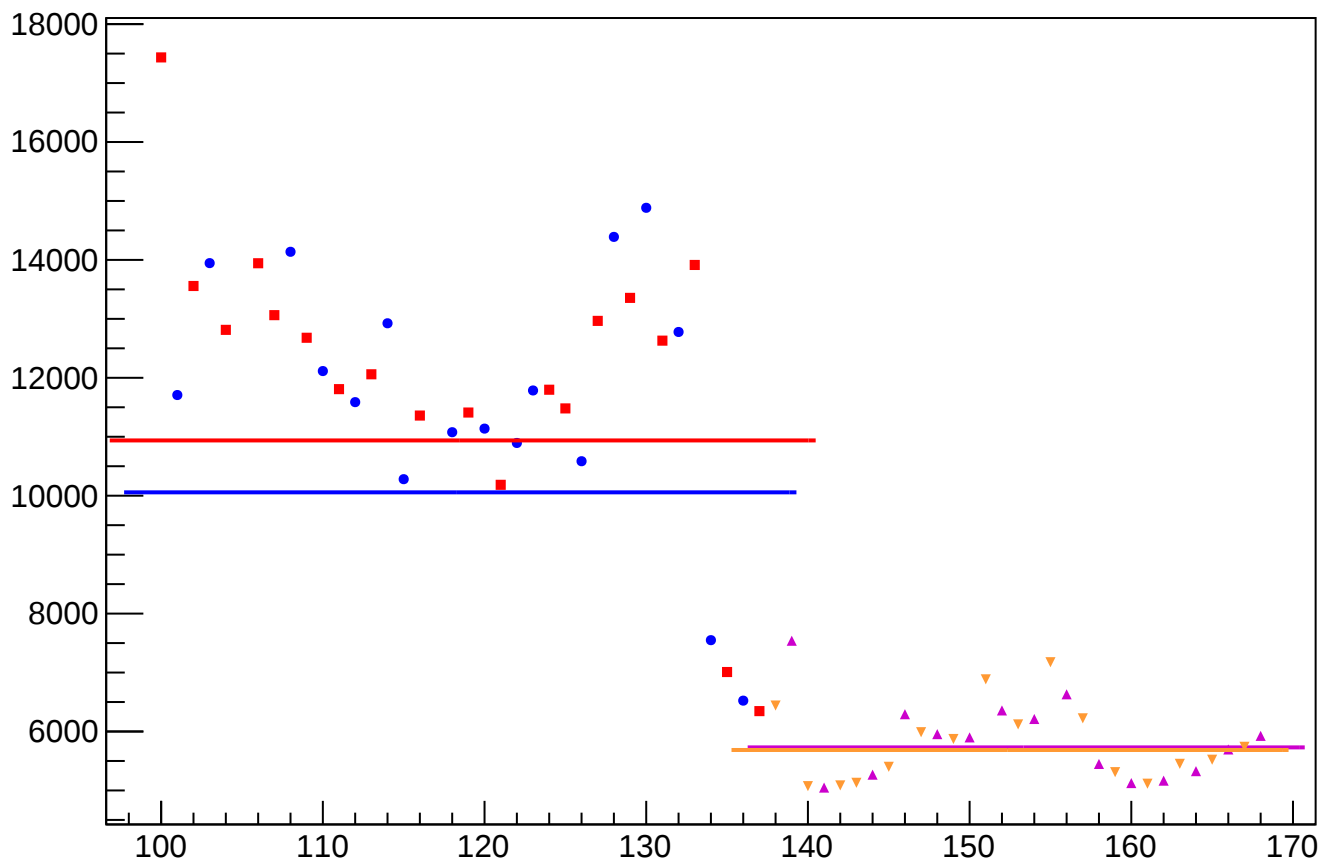
Right: -0.153 ± 2.935 χ^2/NDF : 39.6/35

In: 1.870 ± 1.557 χ^2/NDF : 37.7/31

Out: 7.650 ± 1.544 χ^2/NDF : 57.2/34

All: 4.785 ± 1.096 χ^2/NDF : 101.8/66

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5686.378 $\pm$ 1.173 χ^2 /NDF:247920.4/15

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

Left In: 5730.314 $\pm$ 1.191 χ^2 /NDF:252157.9/14

Left: 5708.004 $\pm$ 0.836 χ^2 /NDF: 500769.1/30

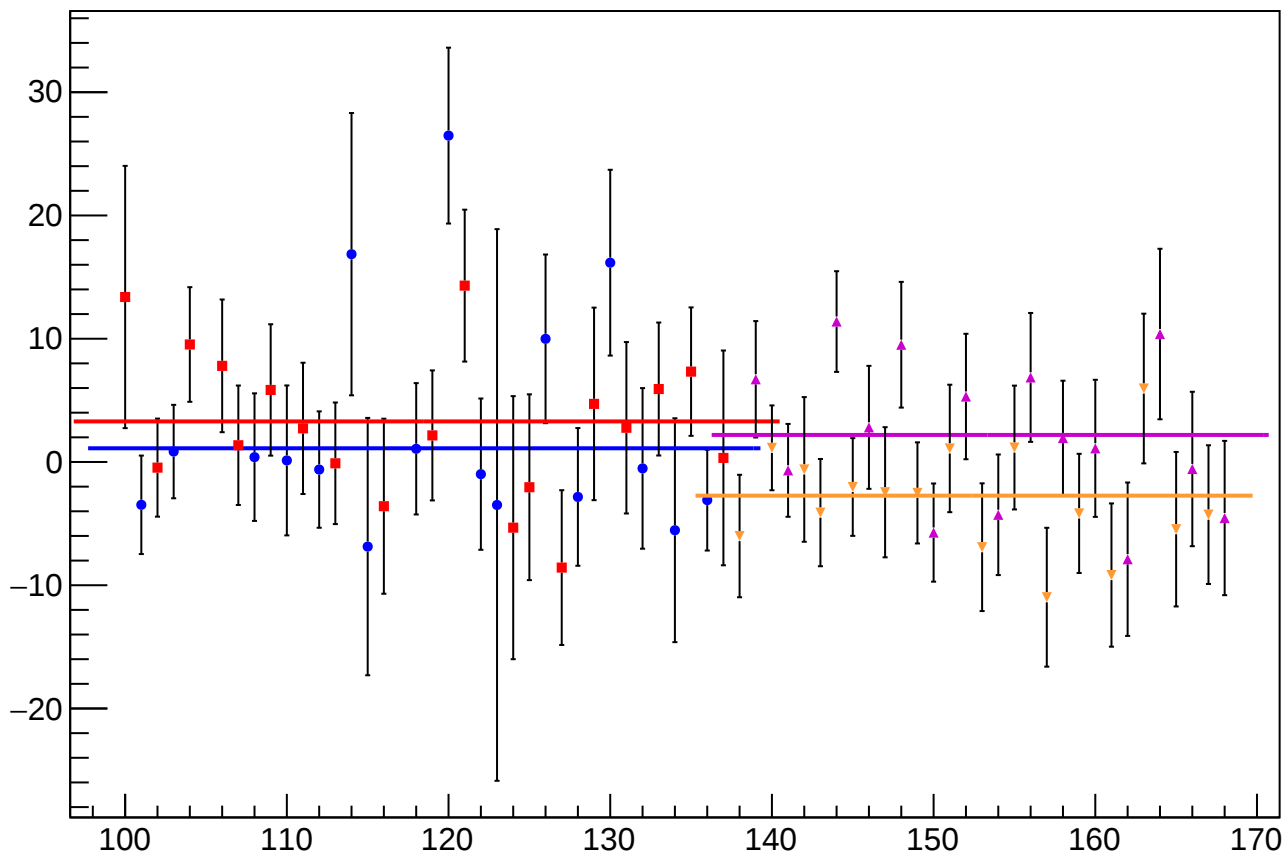
Right: 10481.996 $\pm$ 2.075 χ^2 /NDF: 1810742.6/35

In: 6360.449 $\pm$ 1.101 χ^2 /NDF:3176430.2/31

Out: 6387.736 $\pm$ 1.092 χ^2 /NDF:3688476.6/34

All: 6374.209 $\pm$ 0.775 χ^2 /NDF: 6865216.6/66

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 $\pm$ 1.403 χ^2/NDF : 24.6/16

Left Out: -2.732 $\pm$ 1.223 χ^2/NDF : 9.5/15

Right Out: 3.290 $\pm$ 1.334 χ^2/NDF : 15.1/18

Left In: 2.194 $\pm$ 1.280 χ^2/NDF : 20.9/14

Left: -0.381 $\pm$ 0.884 χ^2/NDF : 38.2/30

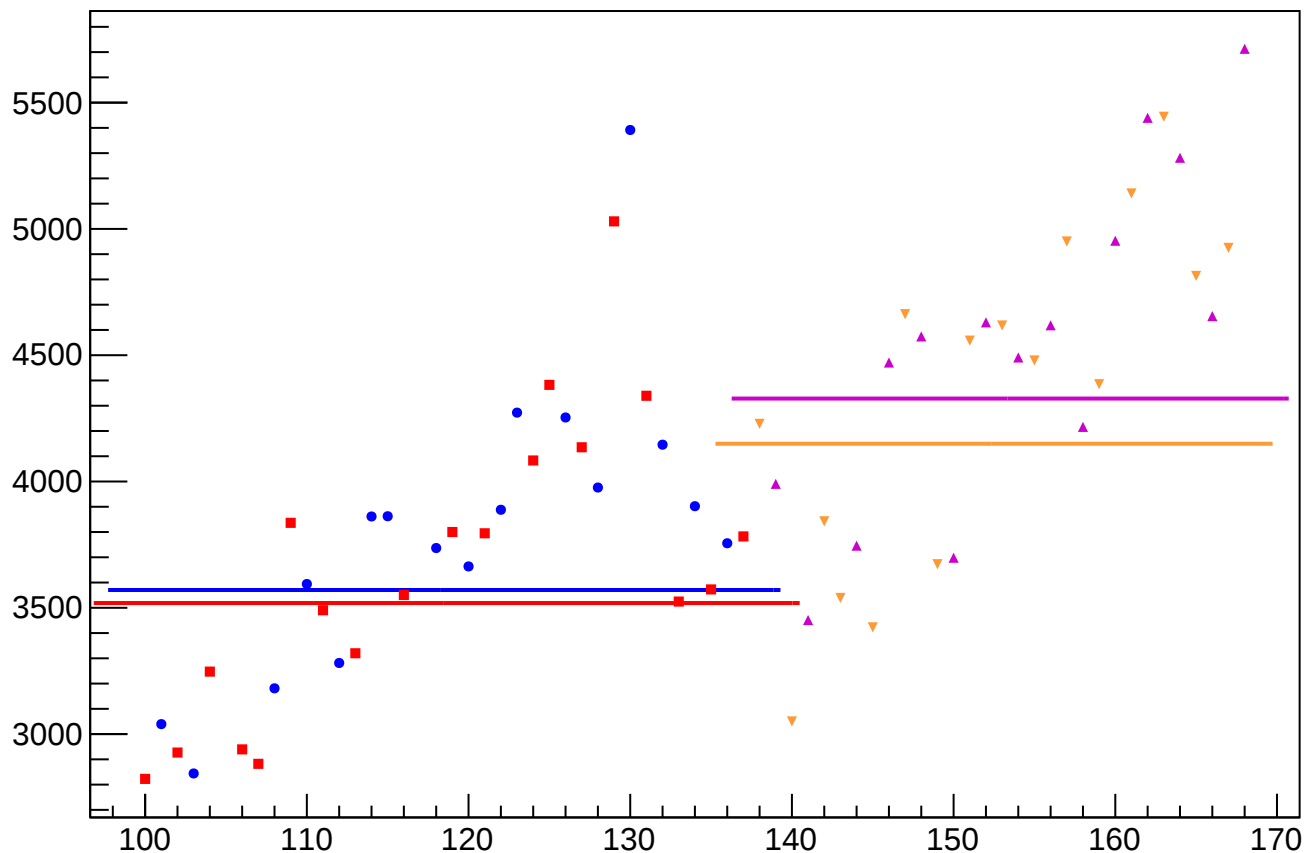
Right: 2.256 $\pm$ 0.967 χ^2/NDF : 40.9/35

In: 1.702 $\pm$ 0.946 χ^2/NDF : 45.9/31

Out: 0.020 $\pm$ 0.902 χ^2/NDF : 35.7/34

All: 0.821 $\pm$ 0.652 χ^2/NDF : 83.2/66

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4149.485+/-0.865 χ^2/NDF : 654727.8/15

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

Left In: 4328.403+/-0.905 χ^2/NDF : 462482.4/14

Left: 4234.891+/-0.625 χ^2/NDF : 1137630.5/30

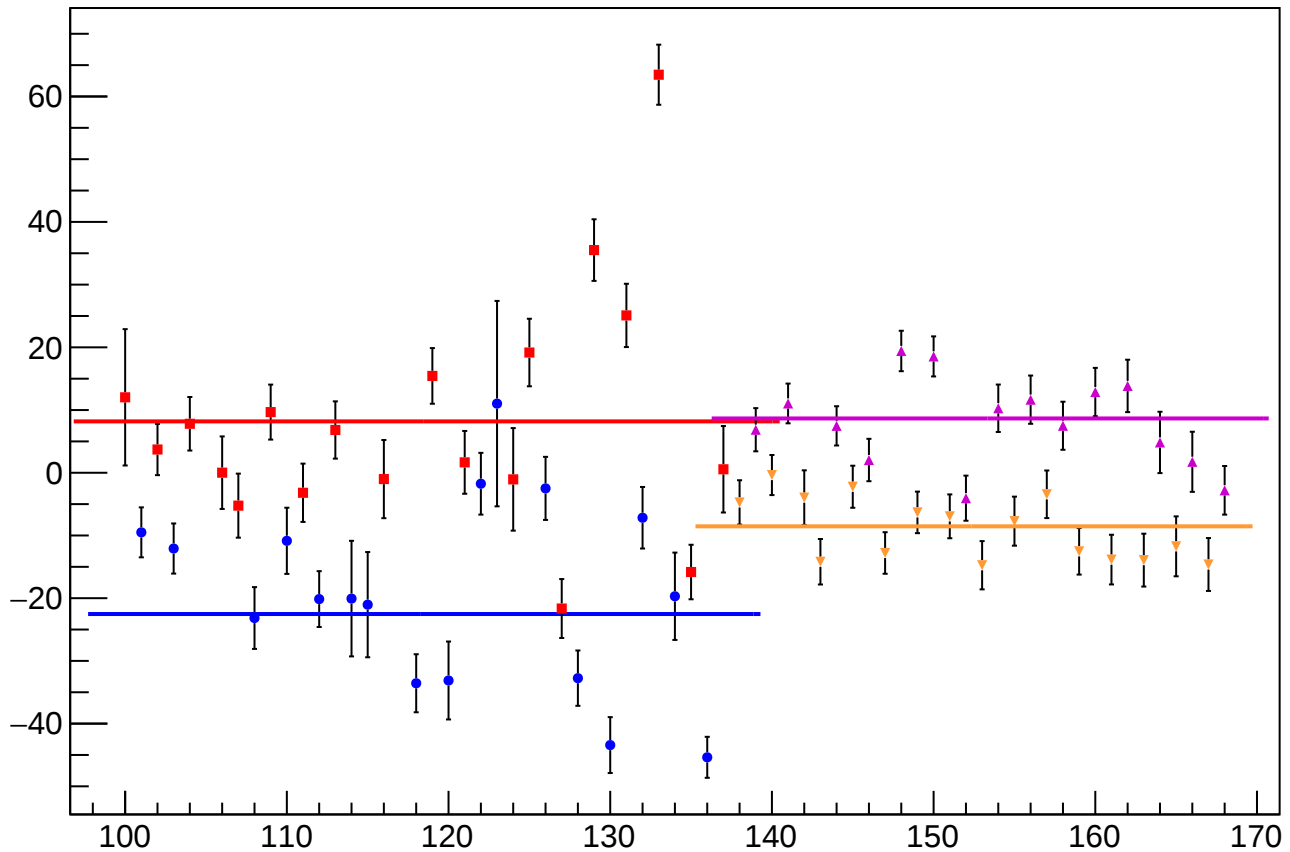
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 3984.040+/-0.669 χ^2/NDF : 1090735.7/31

Out: 3861.322+/-0.637 χ^2/NDF : 1190952.3/34

All: 3919.754+/-0.461 χ^2/NDF : 2299334.4/66

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 $\chi^2/\text{NDF}: 155.5/16$

Left Out: -8.541 ± 0.931 $\chi^2/\text{NDF}: 28.7/15$

Right Out: 8.192 ± 1.157 $\chi^2/\text{NDF}: 275.8/18$

Left In: 8.660 ± 0.942 $\chi^2/\text{NDF}: 53.1/14$

Left: -0.044 ± 0.662 $\chi^2/\text{NDF}: 250.5/30$

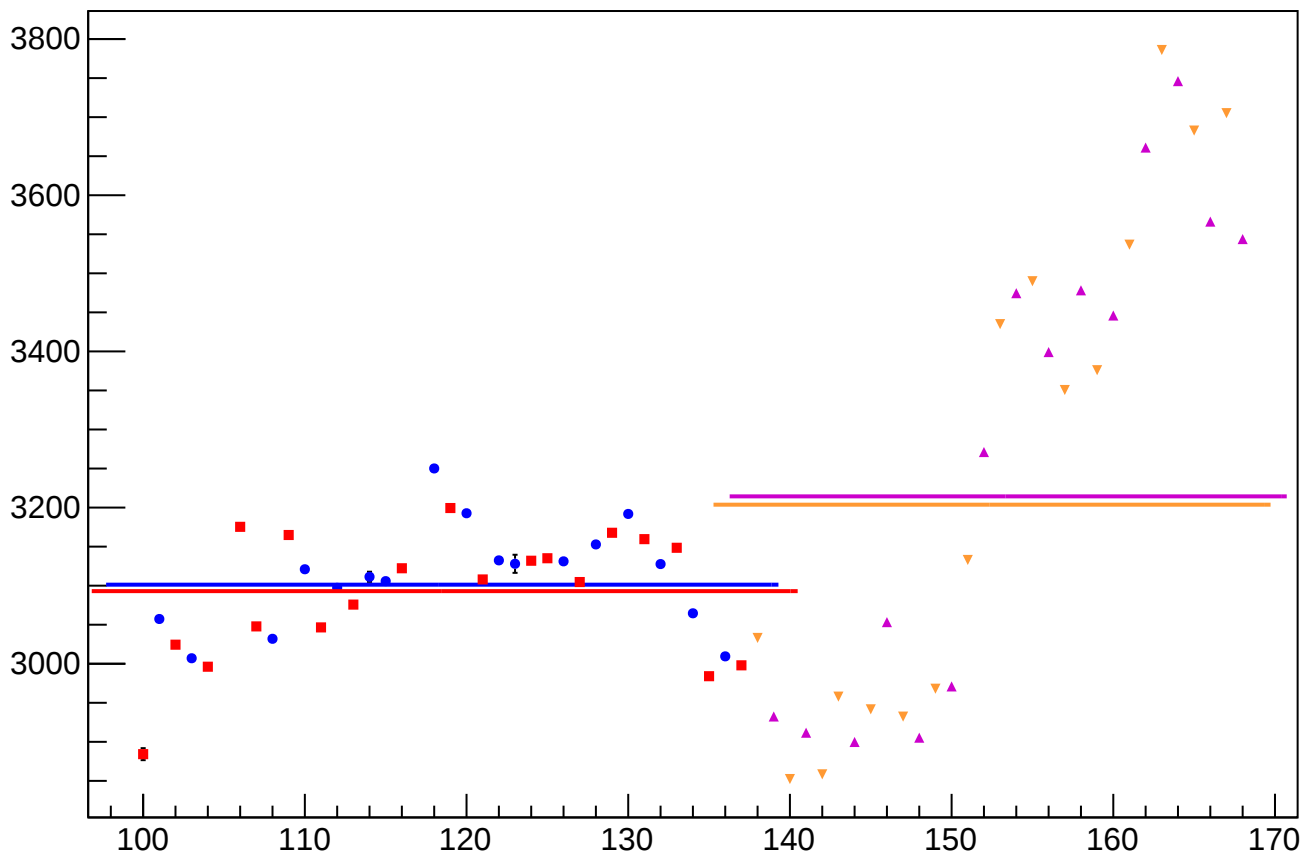
Right: -6.598 ± 0.833 $\chi^2/\text{NDF}: 770.8/35$

In: -3.222 ± 0.741 $\chi^2/\text{NDF}: 626.3/31$

Out: -1.967 ± 0.725 $\chi^2/\text{NDF}: 431.5/34$

All: -2.581 ± 0.518 $\chi^2/\text{NDF}: 1059.3/66$

diff_bpm0l01X_rms vs Slug, Sign Corrected

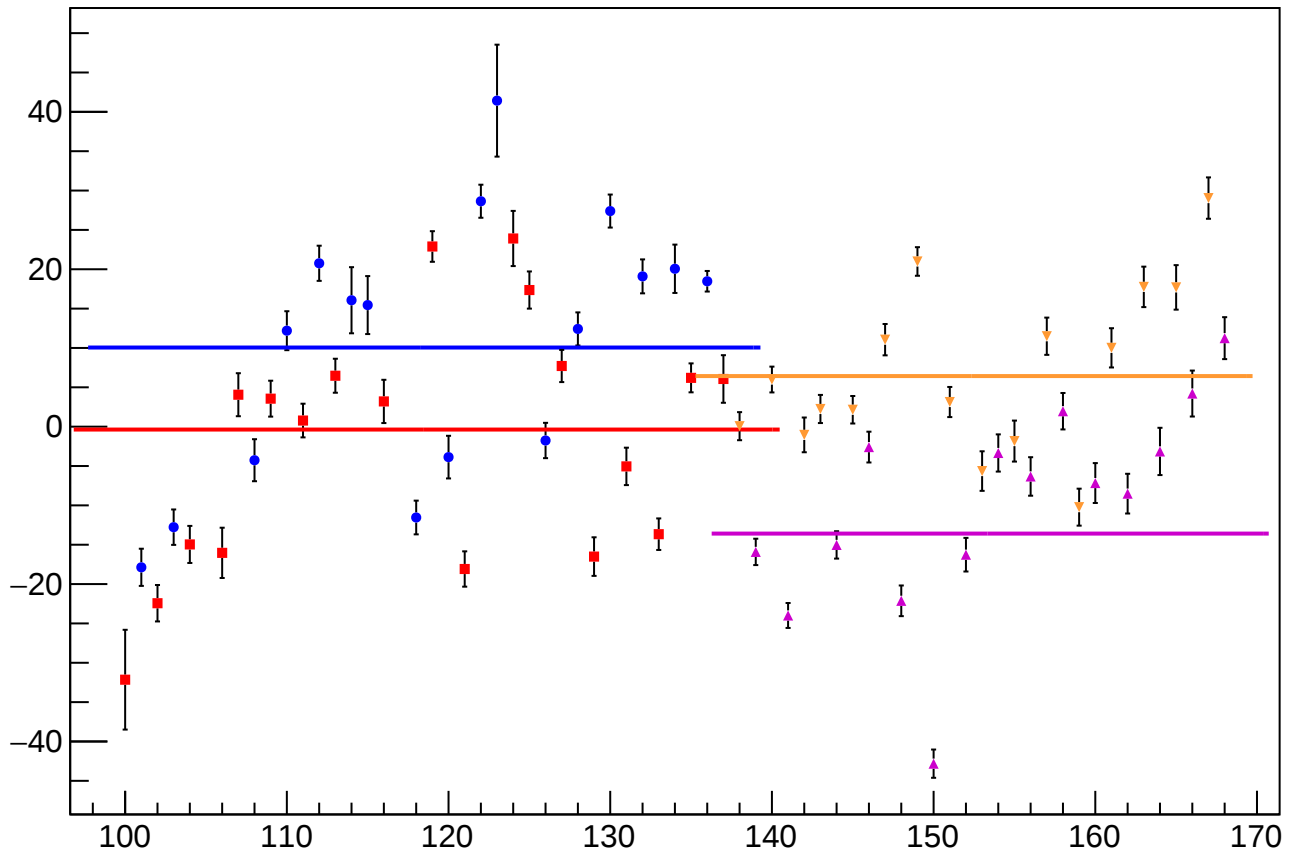


Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16
 Left Out: 3203.708+/-0.658 χ^2/NDF : 213134.6/15
 Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18
 Left In: 3214.360+/-0.666 χ^2/NDF : 189394.4/14

Left: 3208.969+/-0.468 χ^2/NDF : 402658.5/30
 Right: 3096.979+/-0.589 χ^2/NDF : 15049.1/35
 In: 3171.273+/-0.524 χ^2/NDF : 207613.7/31
 Out: 3160.215+/-0.513 χ^2/NDF : 232022.0/34

All: 3165.624+/-0.366 χ^2/NDF : 439863.2/66

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 6.428 $\pm$ 0.526 χ^2 /NDF:307.8/15

Right Out: -0.367 $\pm$ 0.547 χ^2 /NDF: 629.8/18

Left In: -13.586 $\pm$ 0.546 χ^2 /NDF:582.5/14

Left: -3.214 $\pm$ 0.379 χ^2 /NDF: 1586.6/30

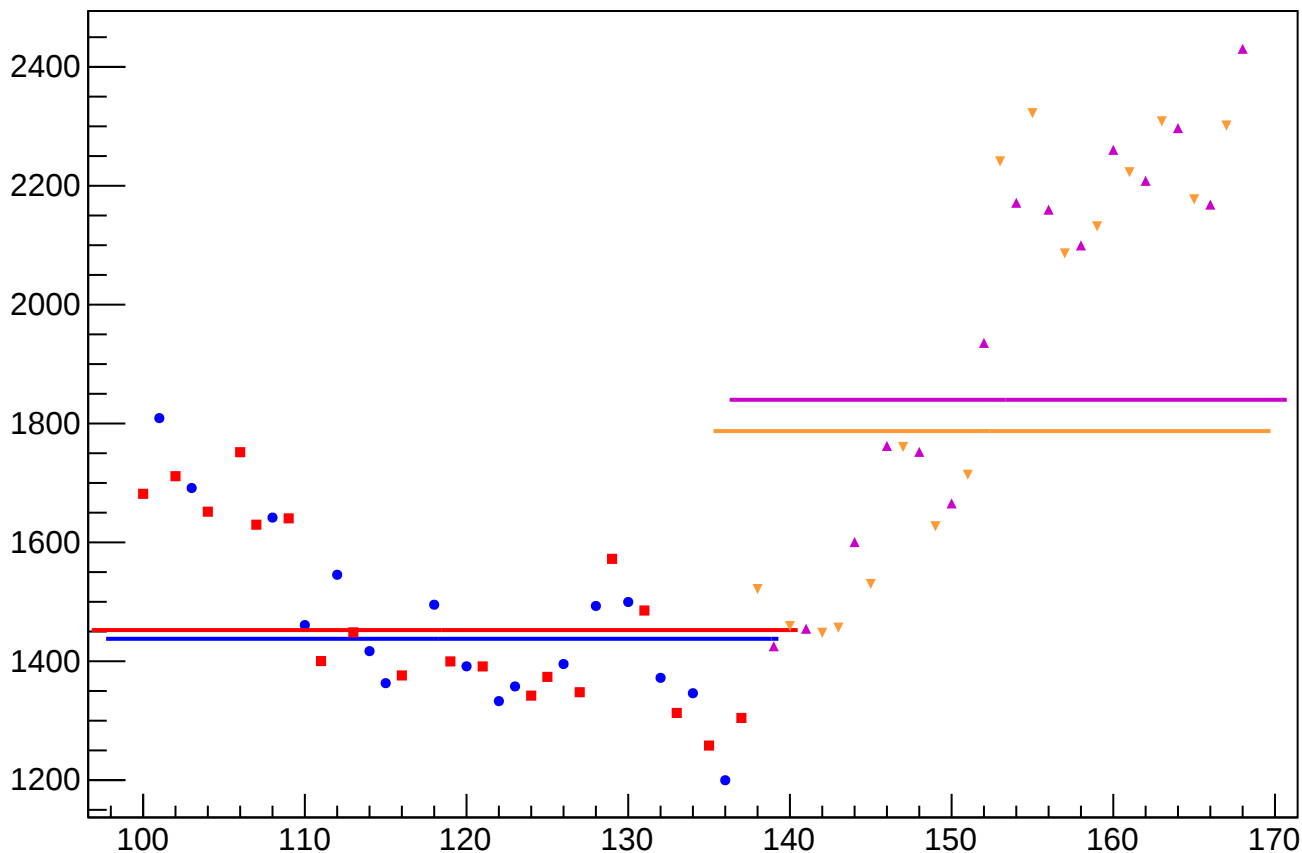
Right: 4.707 $\pm$ 0.392 χ^2 /NDF: 1498.8/35

In: -2.099 $\pm$ 0.391 χ^2 /NDF:2185.6/31

Out: 3.161 $\pm$ 0.379 χ^2 /NDF:1017.7/34

All: 0.614 $\pm$ 0.272 χ^2 /NDF: 3296.5/66

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1787.318 $\pm$ 0.372 χ^2 /NDF: 784812.2/15

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

Left In: 1839.944 $\pm$ 0.386 χ^2 /NDF: 675215.8/14

Left: 1812.671 $\pm$ 0.268 χ^2 /NDF: 1469657.5/30

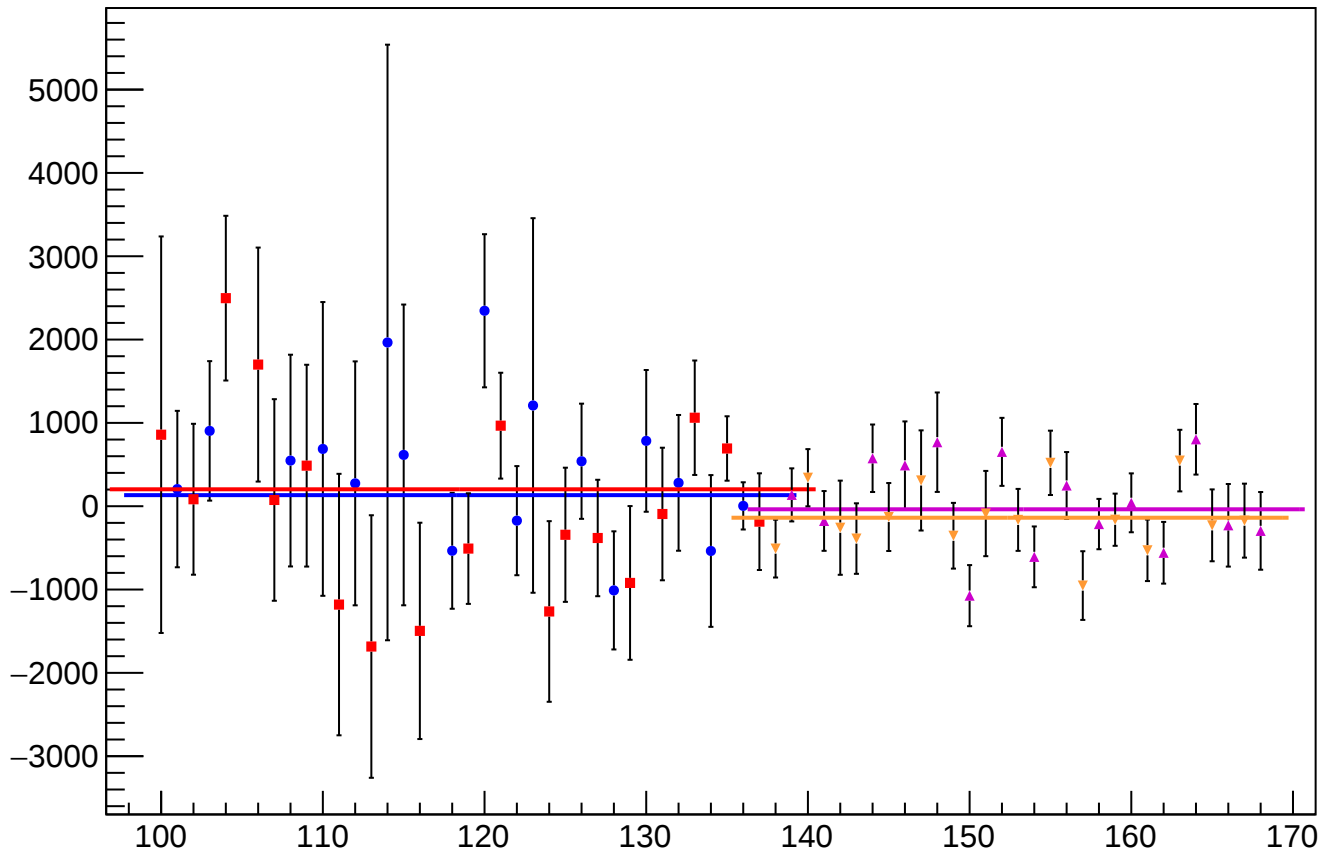
Right: 1445.316 $\pm$ 0.277 χ^2 /NDF: 312524.3/35

In: 1644.546 $\pm$ 0.277 χ^2 /NDF: 1375658.6/31

Out: 1626.321 $\pm$ 0.268 χ^2 /NDF: 1312501.6/34

All: 1635.146 $\pm$ 0.193 χ^2 /NDF: 2690395.7/66

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -138.206 $\pm$ 100.166 χ^2 /NDF:15.8/15

Right Out: 203.062 $\pm$ 184.353 χ^2 /NDF: 21.4/18

Left In: -36.910 $\pm$ 101.131 χ^2 /NDF:26.1/14

Left: -88.044 $\pm$ 71.167 χ^2 /NDF: 42.4/30

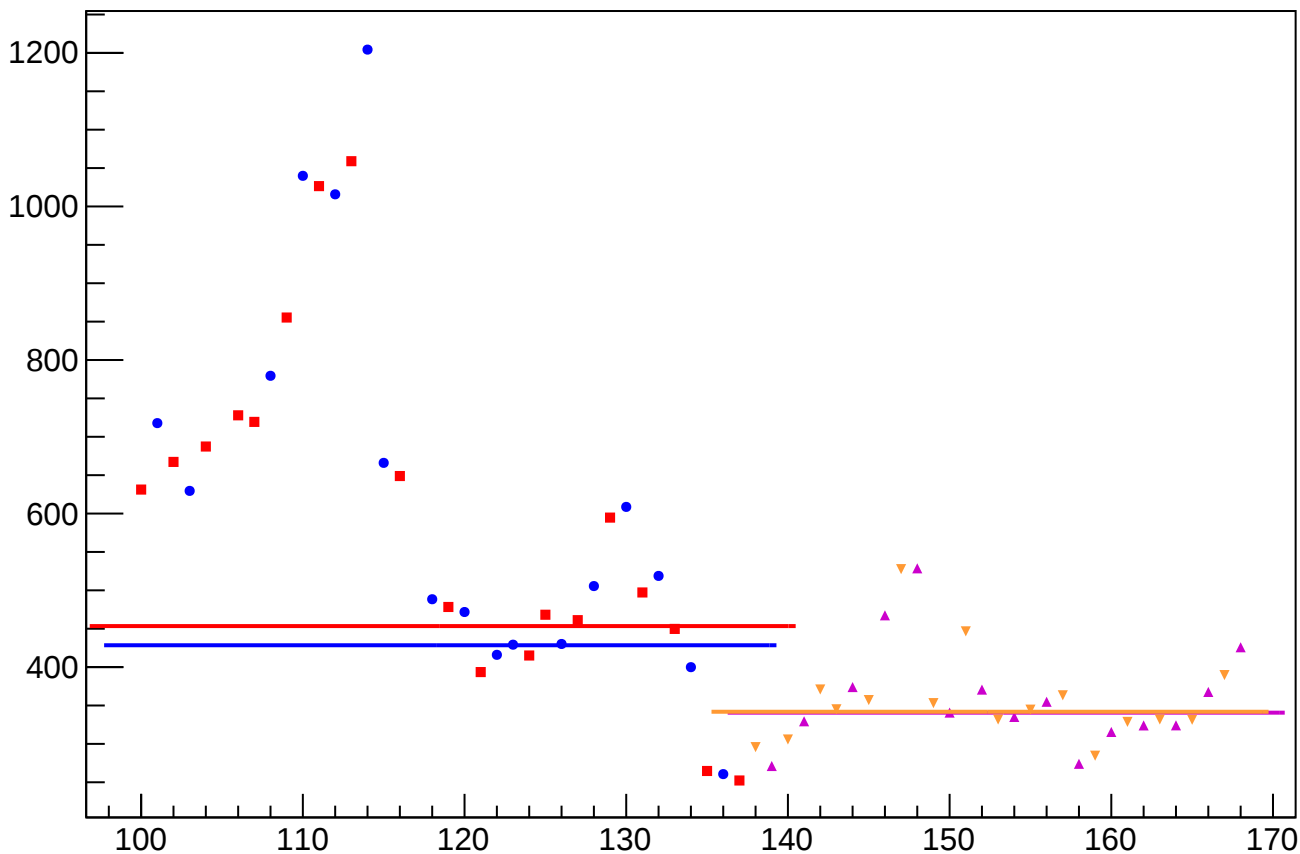
Right: 167.206 $\pm$ 128.890 χ^2 /NDF: 34.4/35

In: 3.744 $\pm$ 88.200 χ^2 /NDF:39.7/31

Out: -60.421 $\pm$ 88.013 χ^2 /NDF:39.9/34

All: -28.407 $\pm$ 62.301 χ^2 /NDF: 79.8/66

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2/NDF : 2011453.8/16

Left Out: 341.857 $\pm$ 0.071 χ^2/NDF :444193.8/15

Right Out: 453.435 $\pm$ 0.130 χ^2/NDF : 2029813.8/18

Left In: 340.662 $\pm$ 0.072 χ^2/NDF :625569.0/14

Left: 341.265 $\pm$ 0.050 χ^2/NDF : 1069903.8/30

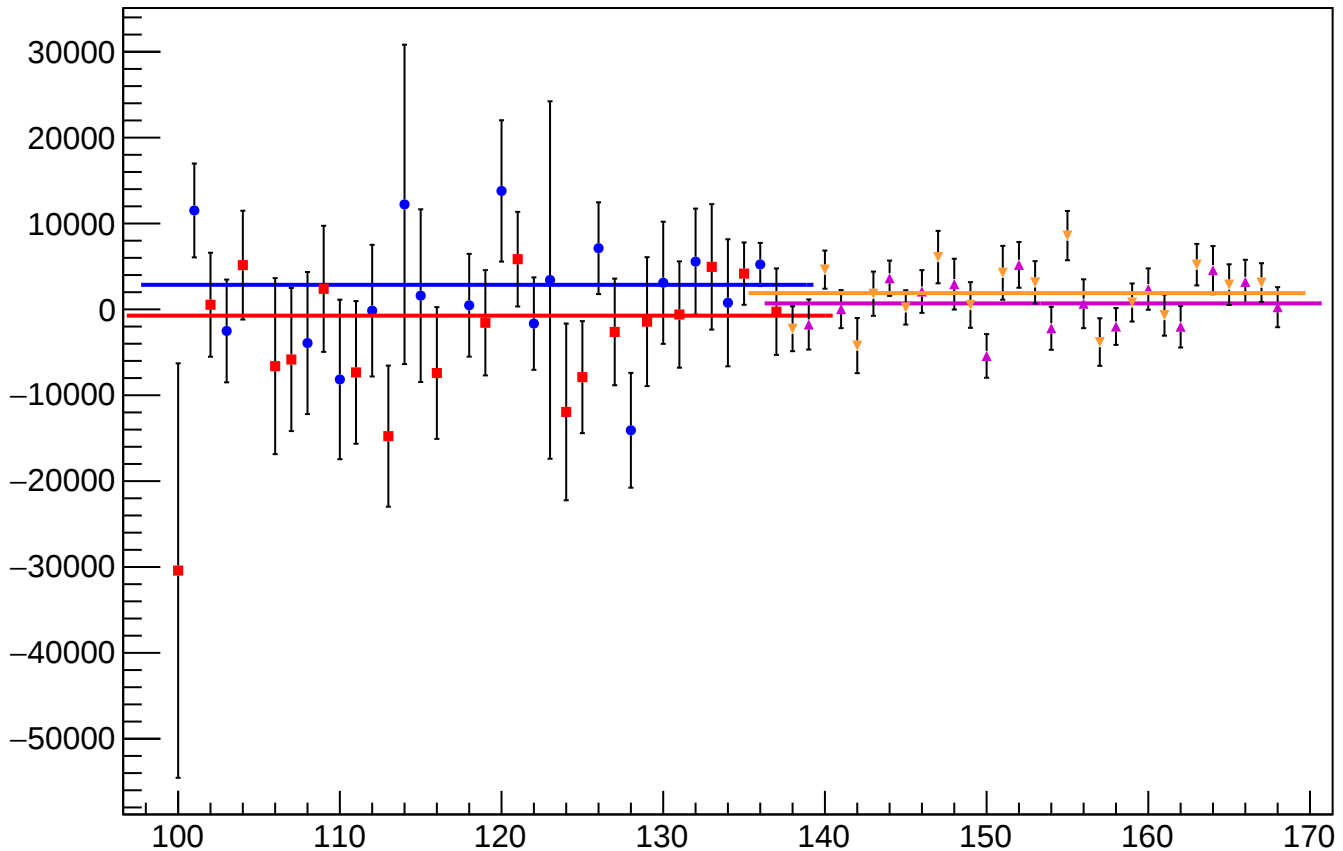
Right: 440.668 $\pm$ 0.091 χ^2/NDF : 4060031.3/35

In: 361.679 $\pm$ 0.062 χ^2/NDF :2997864.4/31

Out: 367.289 $\pm$ 0.062 χ^2/NDF :3039656.1/34

All: 364.490 $\pm$ 0.044 χ^2/NDF : 6041573.8/66

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1899.028 $\pm$ 627.957 χ^2 /NDF:24.8/15

Right Out: -729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

Left In: 697.263 $\pm$ 640.799 χ^2 /NDF:19.9/14

Left: 1310.309 $\pm$ 448.504 χ^2 /NDF: 46.4/30

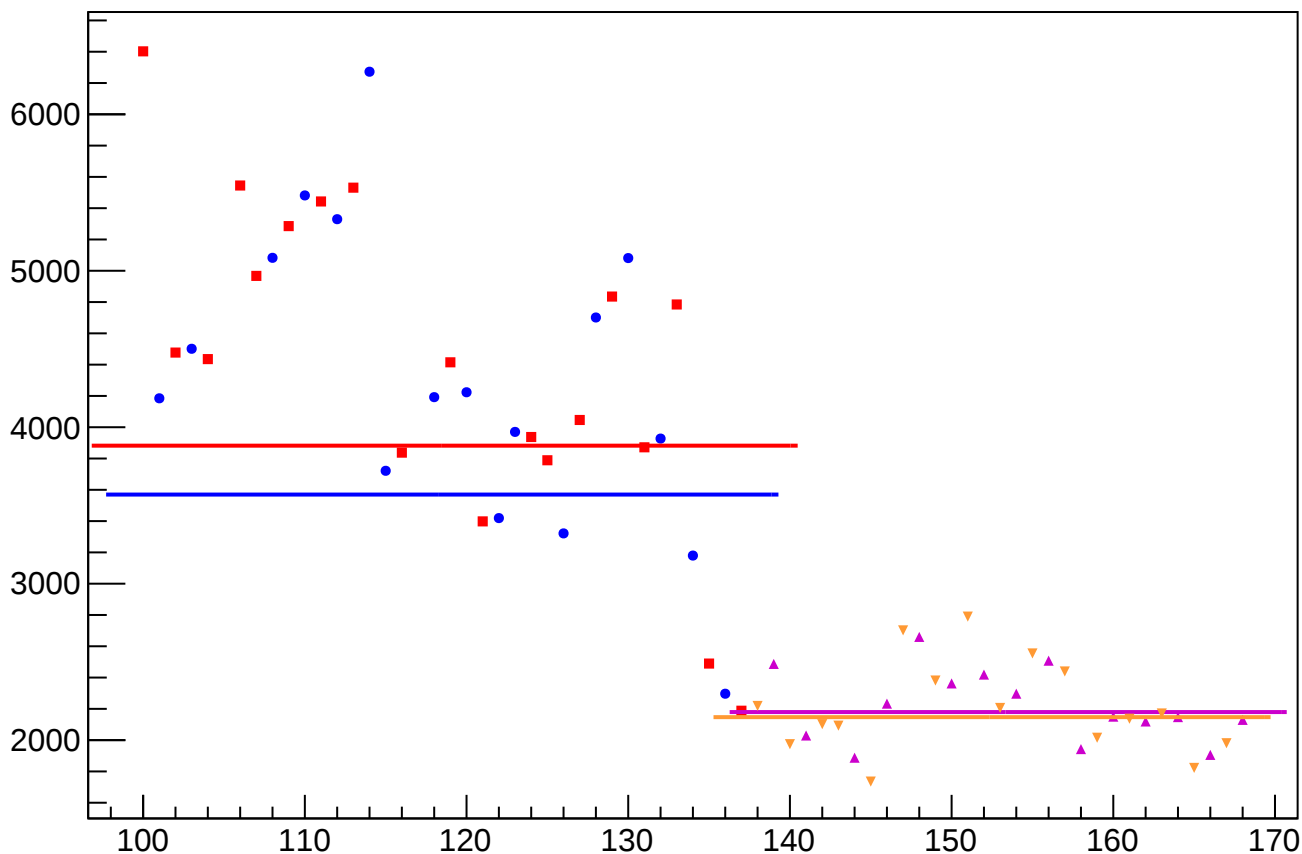
Right: 1139.446 $\pm$ 1044.821 χ^2 /NDF: 33.6/35

In: 1051.439 $\pm$ 585.975 χ^2 /NDF:38.4/31

Out: 1511.116 $\pm$ 579.773 χ^2 /NDF:41.3/34

All: 1283.723 $\pm$ 412.137 χ^2 /NDF: 80.0/66

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 $\pm$ 1.024 χ^2 /NDF: 1087935.4/16

Left Out: 2146.919 $\pm$ 0.444 χ^2 /NDF: 384485.0/15

Right Out: 3882.169 $\pm$ 1.067 χ^2 /NDF: 983087.5/18

Left In: 2179.478 $\pm$ 0.453 χ^2 /NDF: 232765.2/14

Left: 2162.869 $\pm$ 0.317 χ^2 /NDF: 619884.2/30

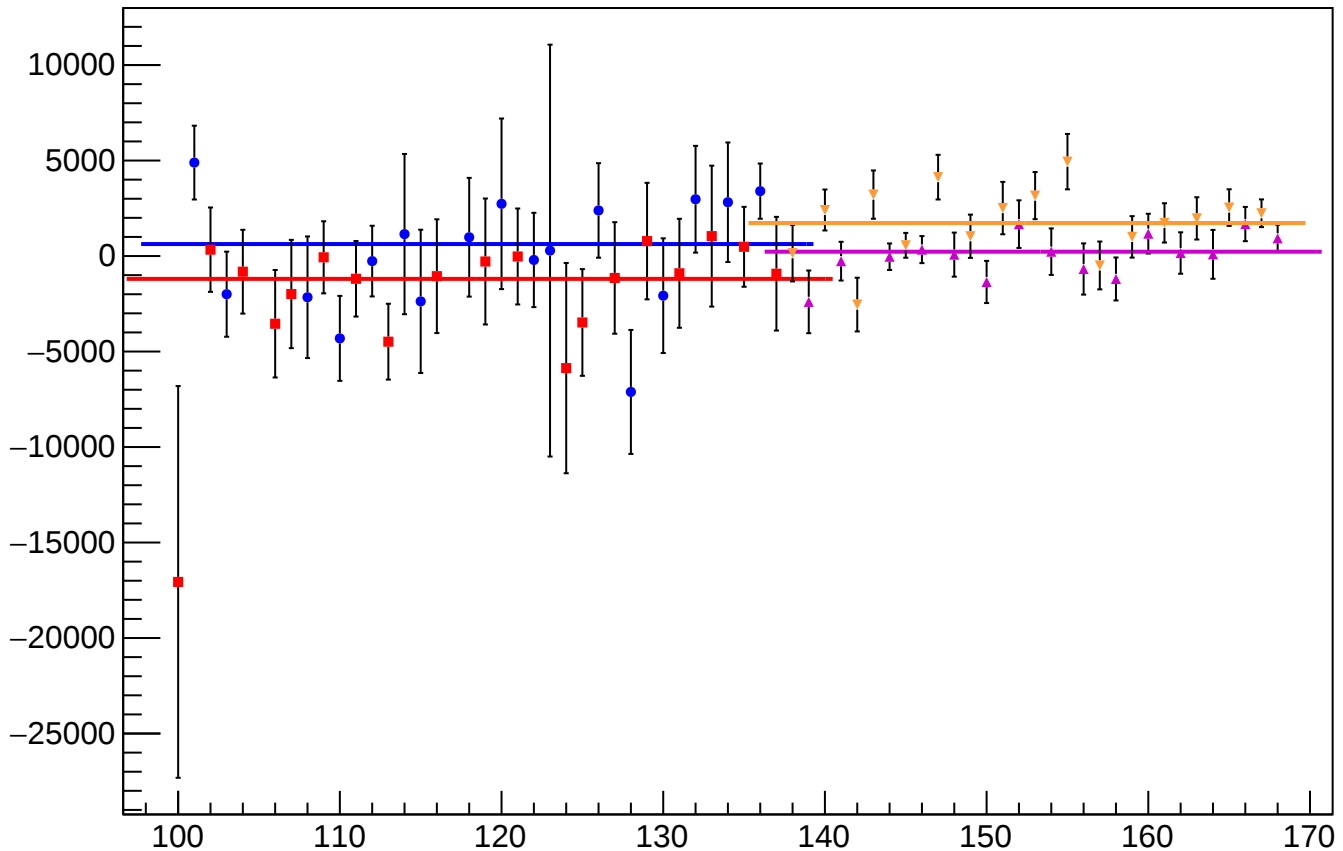
Right: 3719.420 $\pm$ 0.739 χ^2 /NDF: 2115685.3/35

In: 2407.173 $\pm$ 0.414 χ^2 /NDF: 2862409.9/31

Out: 2402.996 $\pm$ 0.410 χ^2 /NDF: 3621310.2/34

All: 2405.062 $\pm$ 0.291 χ^2 /NDF: 6483771.5/66

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1729.248+/-265.115 χ^2/NDF : 31.4/15

Right Out: -1195.385+/-603.058 χ^2/NDF : 9.9/18

Left In: 227.325+/-256.184 χ^2/NDF : 12.9/14

Left: 952.563+/-184.226 χ^2/NDF : 60.8/30

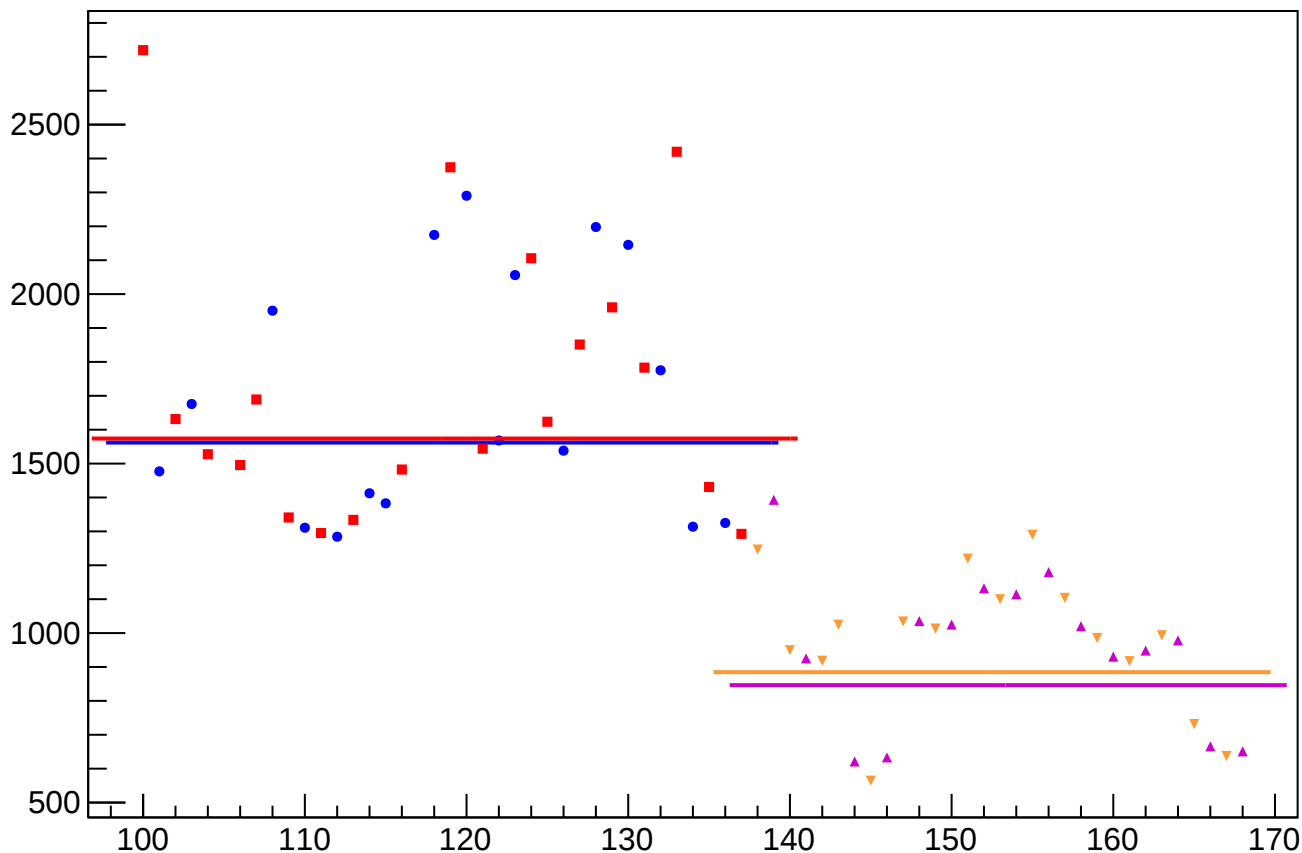
Right: -310.478+/-432.606 χ^2/NDF : 39.4/35

In: 285.558+/-236.820 χ^2/NDF : 38.3/31

Out: 1255.568+/-242.698 χ^2/NDF : 61.0/34

All: 758.674+/-169.497 χ^2/NDF : 107.5/66

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 884.673 $\pm$ 0.187 χ^2 /NDF: 1414010.8/15

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

Left In: 846.495 $\pm$ 0.181 χ^2 /NDF: 1388111.1/14

Left: 864.930 $\pm$ 0.130 χ^2 /NDF: 2823569.1/30

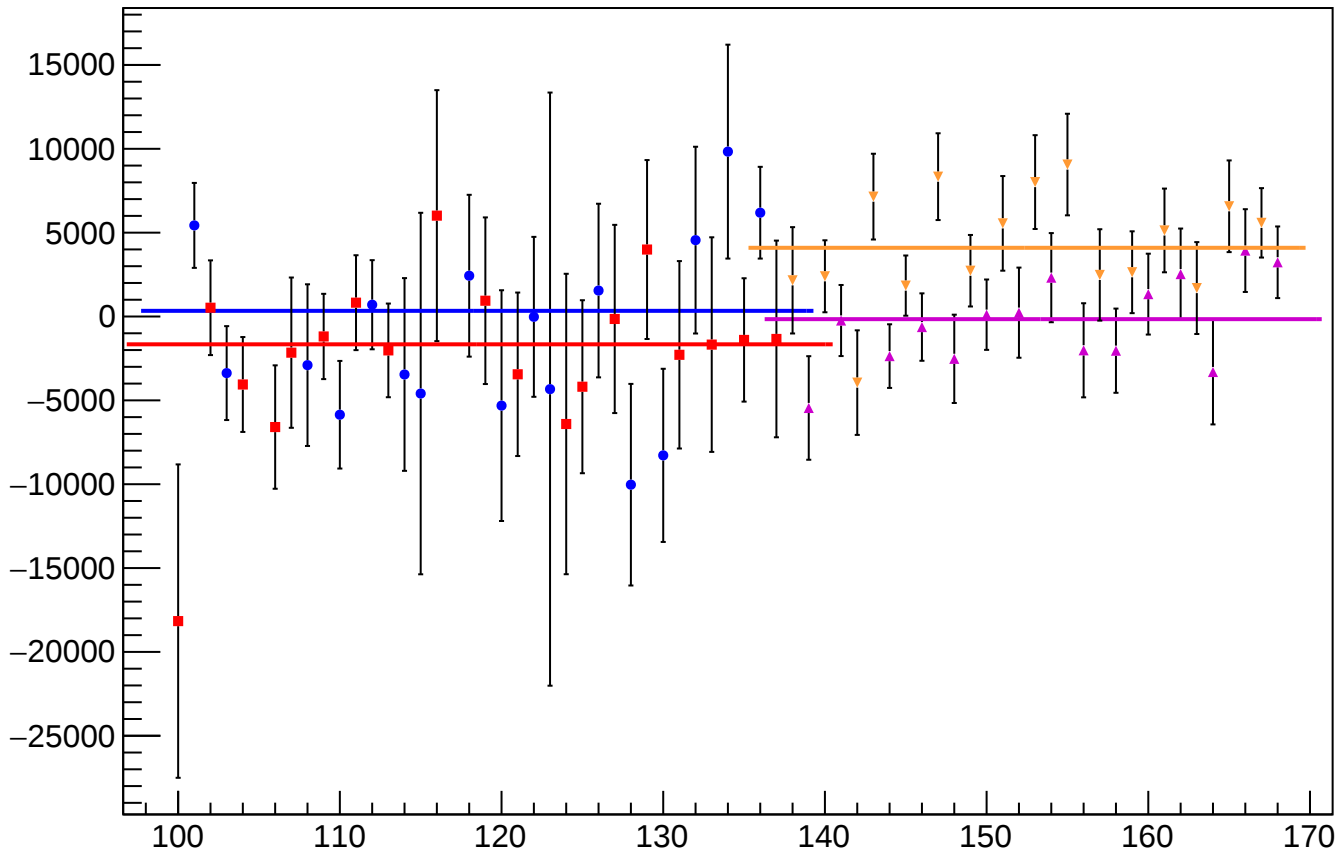
Right: 1568.176 $\pm$ 0.306 χ^2 /NDF: 946451.6/35

In: 950.589 $\pm$ 0.167 χ^2 /NDF: 4140193.3/31

Out: 996.303 $\pm$ 0.172 χ^2 /NDF: 4067317.6/34

All: 972.886 $\pm$ 0.120 χ^2 /NDF: 8243858.3/66

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2/NDF : 24.8/16

Left Out: 4097.061 $\pm$ 622.804 χ^2/NDF : 21.6/15

Right Out: -1658.069 $\pm$ 924.453 χ^2/NDF : 10.3/18

Left In: -157.769 $\pm$ 622.195 χ^2/NDF : 14.7/14

Left: 1967.565 $\pm$ 440.173 χ^2/NDF : 59.7/30

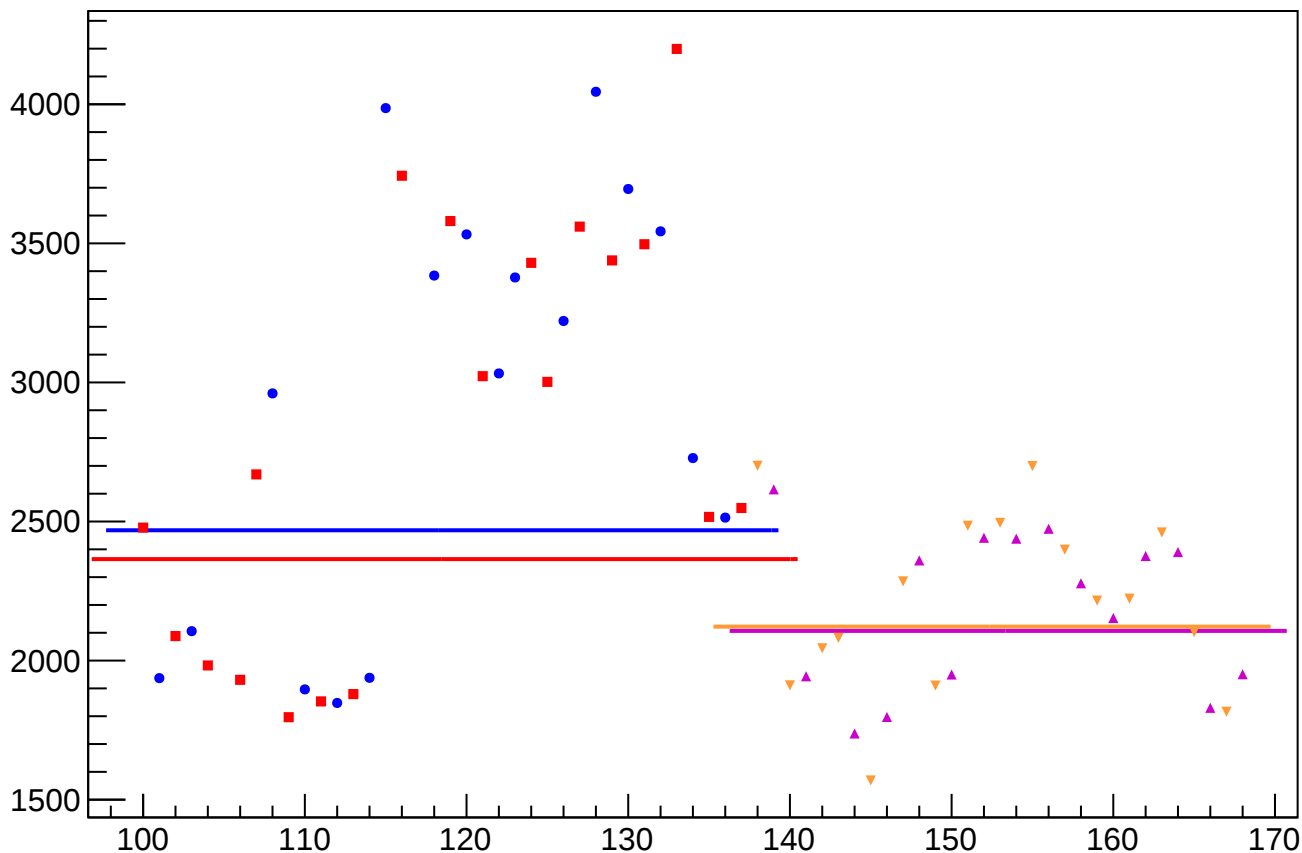
Right: -734.084 $\pm$ 677.520 χ^2/NDF : 37.2/35

In: -18.542 $\pm$ 527.669 χ^2/NDF : 39.6/31

Out: 2300.417 $\pm$ 516.521 χ^2/NDF : 58.6/34

All: 1165.692 $\pm$ 369.114 χ^2/NDF : 108.1/66

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2/NDF : 896153.6/16

Left Out: 2122.080 $\pm$ 0.440 χ^2/NDF : 547463.7/15

Right Out: 2364.833 $\pm$ 0.654 χ^2/NDF : 1025161.0/18

Left In: 2106.735 $\pm$ 0.440 χ^2/NDF : 397131.5/14

Left: 2114.400 $\pm$ 0.311 χ^2/NDF : 945202.9/30

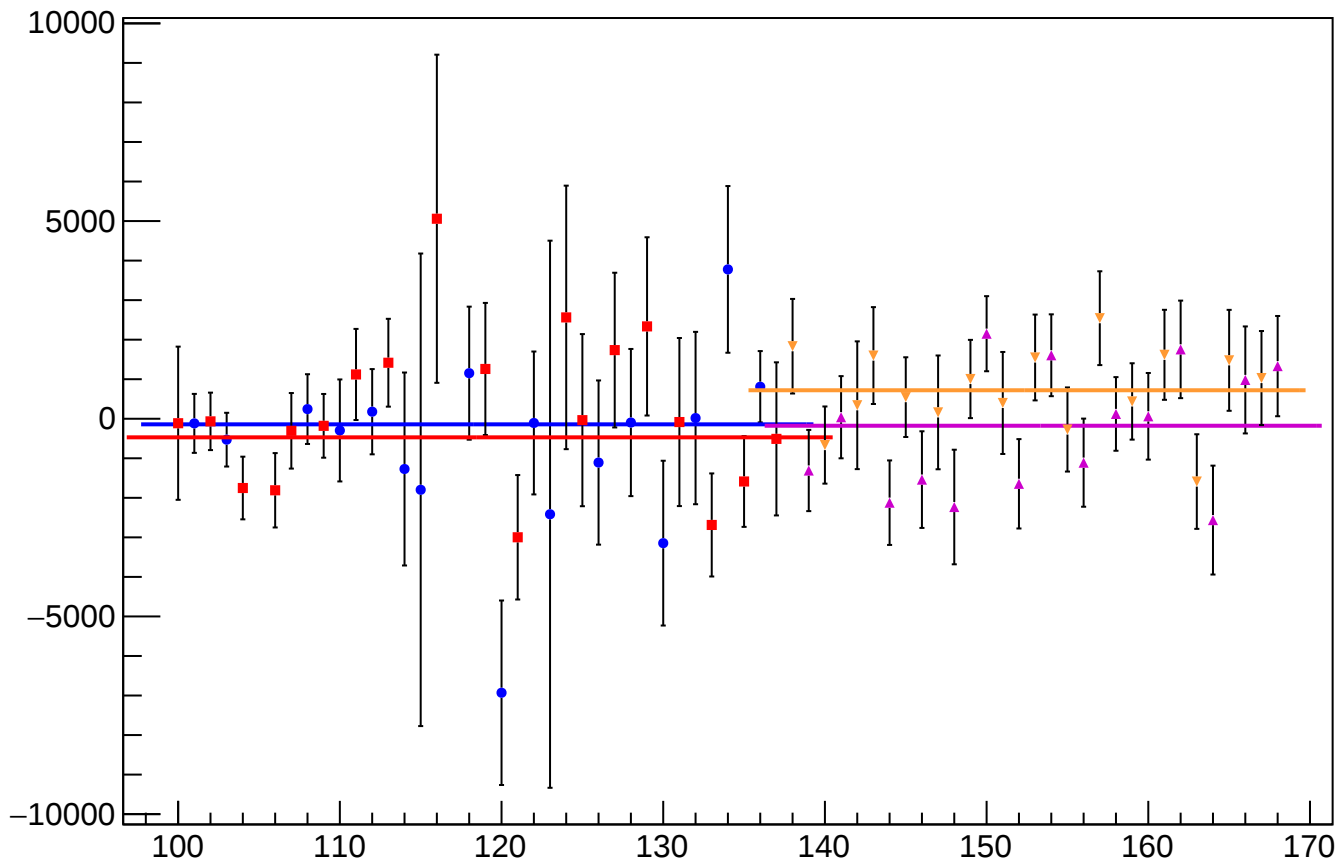
Right: 2412.813 $\pm$ 0.479 χ^2/NDF : 1932953.4/35

In: 2208.303 $\pm$ 0.373 χ^2/NDF : 1483106.9/31

Out: 2197.863 $\pm$ 0.365 χ^2/NDF : 1667480.2/34

All: 2202.972 $\pm$ 0.261 χ^2/NDF : 3150986.9/66

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 720.607 ± 286.362 $\chi^2/\text{NDF}: 12.4/15$

Right Out: -470.143 ± 282.892 $\chi^2/\text{NDF}: 22.9/18$

Left In: -176.820 ± 290.316 $\chi^2/\text{NDF}: 26.9/14$

Left: 278.046 ± 203.872 $\chi^2/\text{NDF}: 44.2/30$

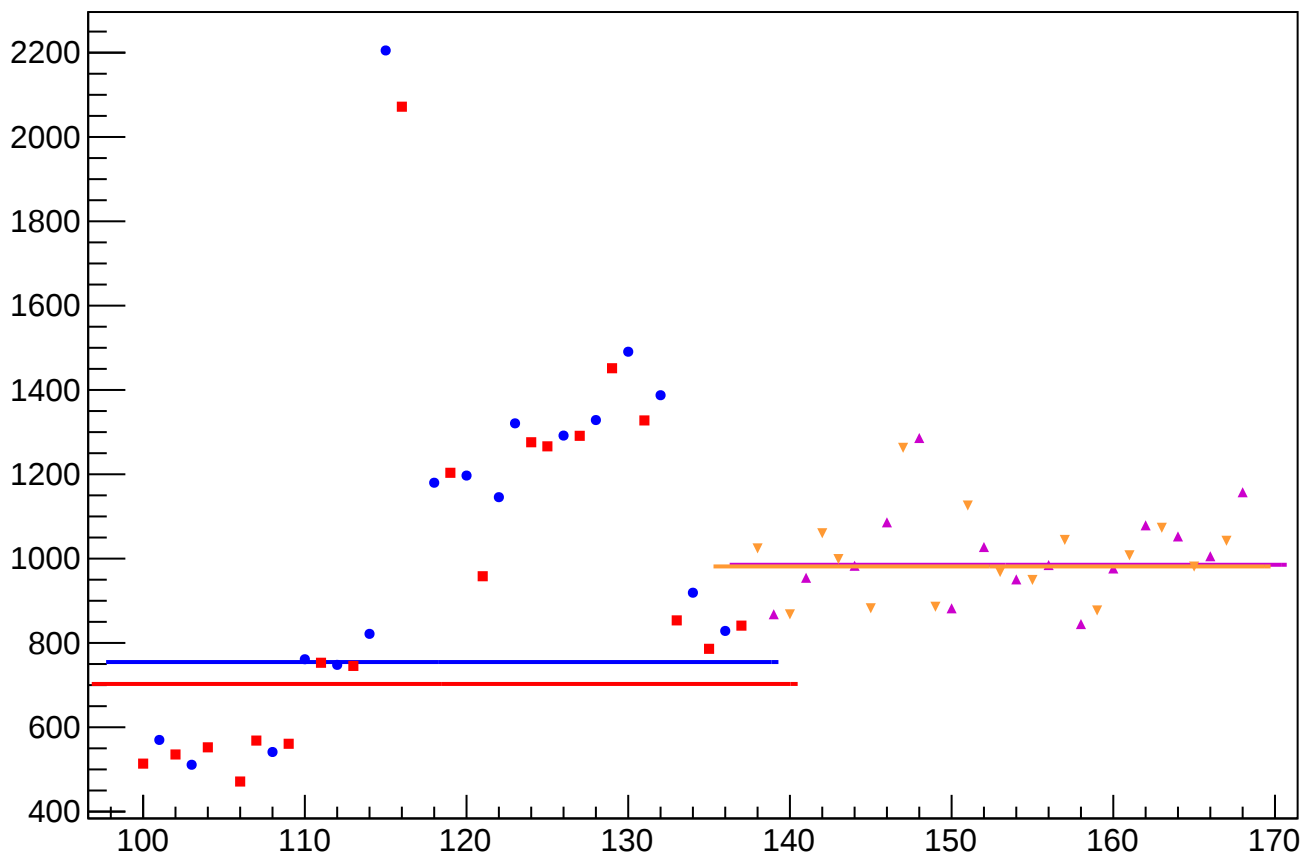
Right: -322.421 ± 209.970 $\chi^2/\text{NDF}: 40.5/35$

In: -160.371 ± 212.953 $\chi^2/\text{NDF}: 43.9/31$

Out: 117.975 ± 201.250 $\chi^2/\text{NDF}: 44.1/34$

All: -13.341 ± 146.268 $\chi^2/\text{NDF}: 88.9/66$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 981.438 $\pm$ 0.202 χ^2 /NDF:223578.4/15

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

Left In: 985.390 $\pm$ 0.205 χ^2 /NDF:255502.7/14

Left: 983.387 $\pm$ 0.144 χ^2 /NDF: 479268.9/30

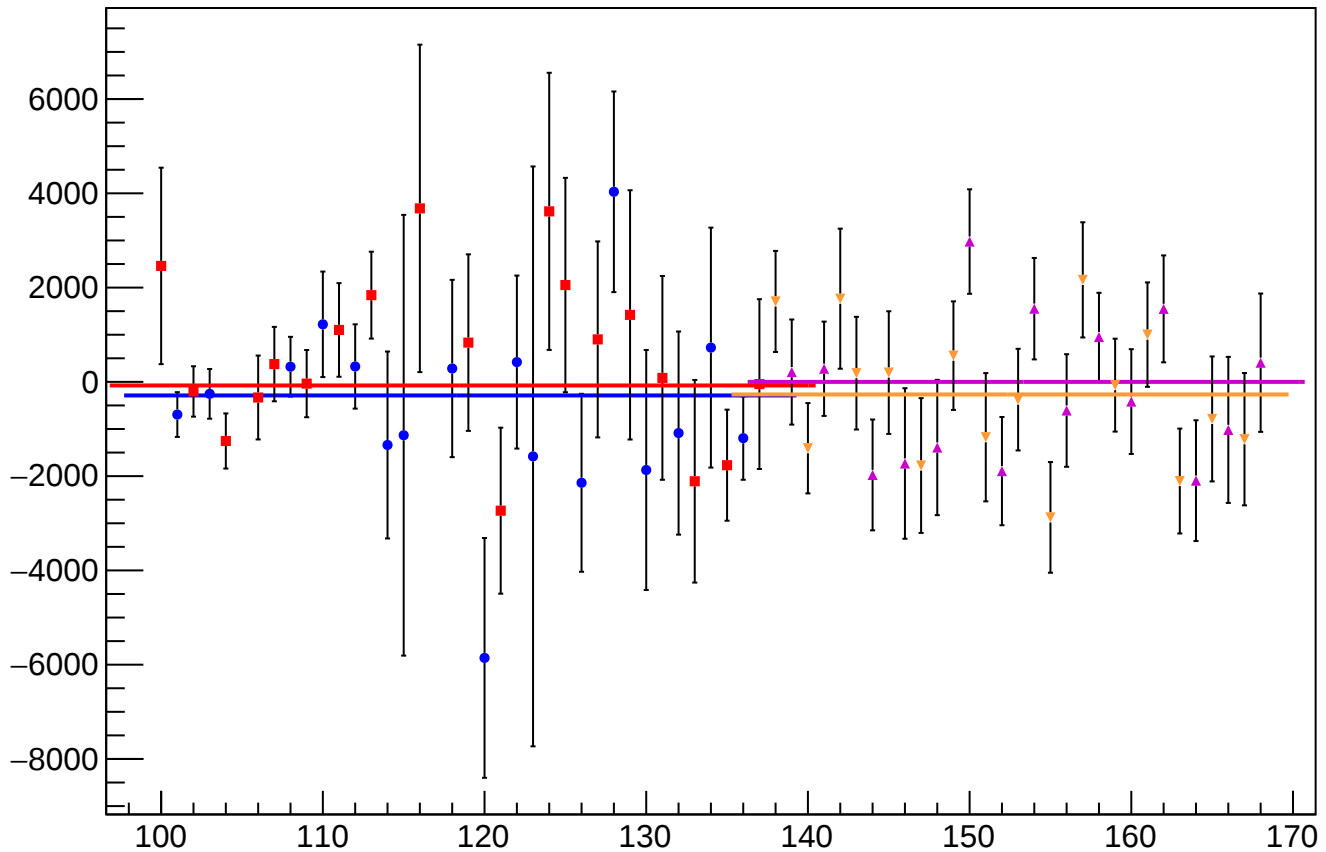
Right: 726.058 $\pm$ 0.148 χ^2 /NDF: 3412528.8/35

In: 878.816 $\pm$ 0.151 χ^2 /NDF:2529569.0/31

Out: 840.381 $\pm$ 0.142 χ^2 /NDF:2874043.5/34

All: 858.513 $\pm$ 0.103 χ^2 /NDF: 5438026.8/66

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 ± 250.436 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -267.167 ± 295.246 $\chi^2/\text{NDF}: 22.6/15$

Right Out: -76.119 ± 246.083 $\chi^2/\text{NDF}: 21.4/18$

Left In: -0.347 ± 304.917 $\chi^2/\text{NDF}: 23.5/14$

Left: -138.055 ± 212.107 $\chi^2/\text{NDF}: 46.5/30$

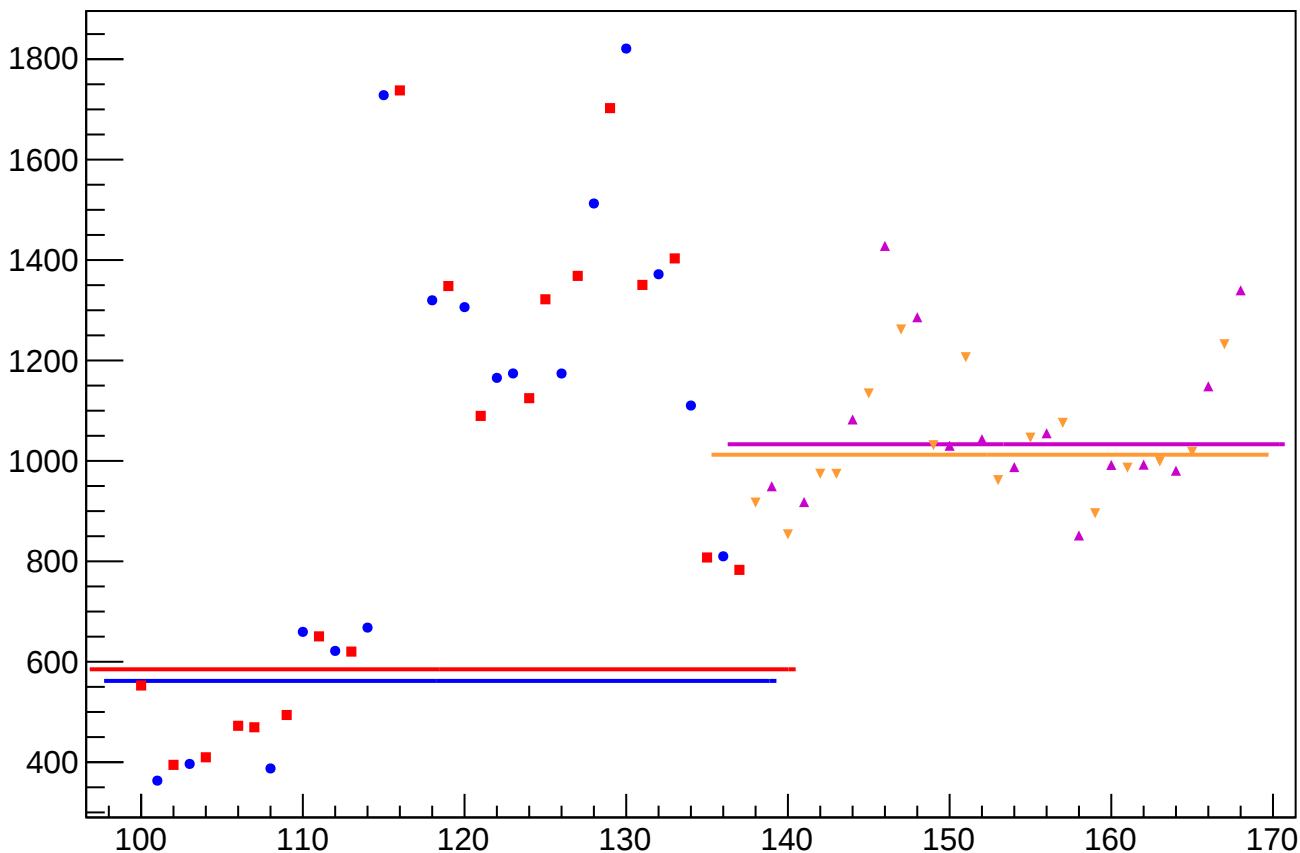
Right: -180.221 ± 175.526 $\chi^2/\text{NDF}: 37.9/35$

In: -172.146 ± 193.528 $\chi^2/\text{NDF}: 40.2/31$

Out: -154.434 ± 189.032 $\chi^2/\text{NDF}: 44.2/34$

All: -163.082 ± 135.228 $\chi^2/\text{NDF}: 84.5/66$

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1012.343 $\pm$ 0.209 χ^2 /NDF:283654.9/15

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

Left In: 1033.157 $\pm$ 0.216 χ^2 /NDF:412183.3/14

Left: 1022.415 $\pm$ 0.150 χ^2 /NDF: 700647.6/30

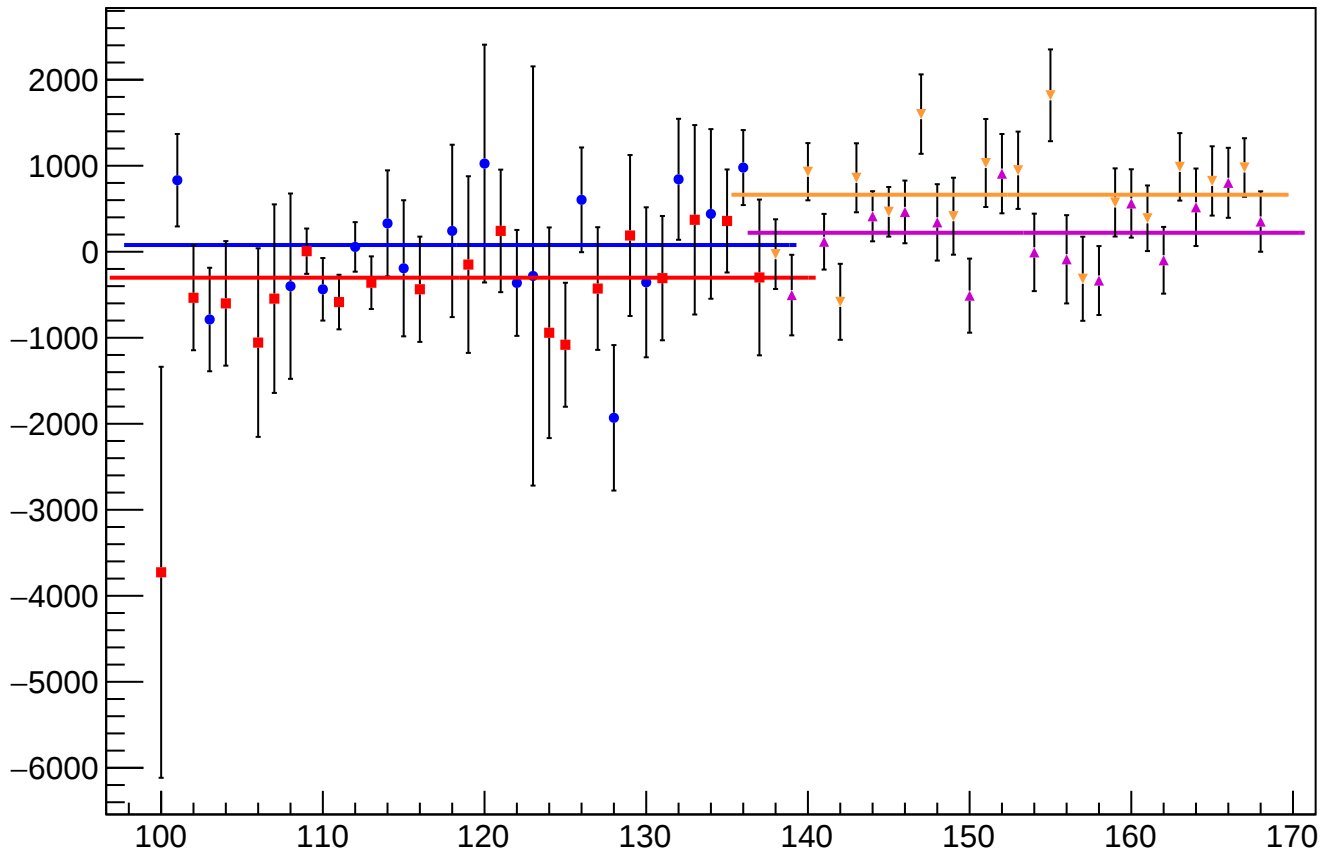
Right: 573.646 $\pm$ 0.124 χ^2 /NDF: 6049757.3/35

In: 751.734 $\pm$ 0.137 χ^2 /NDF:6481755.0/31

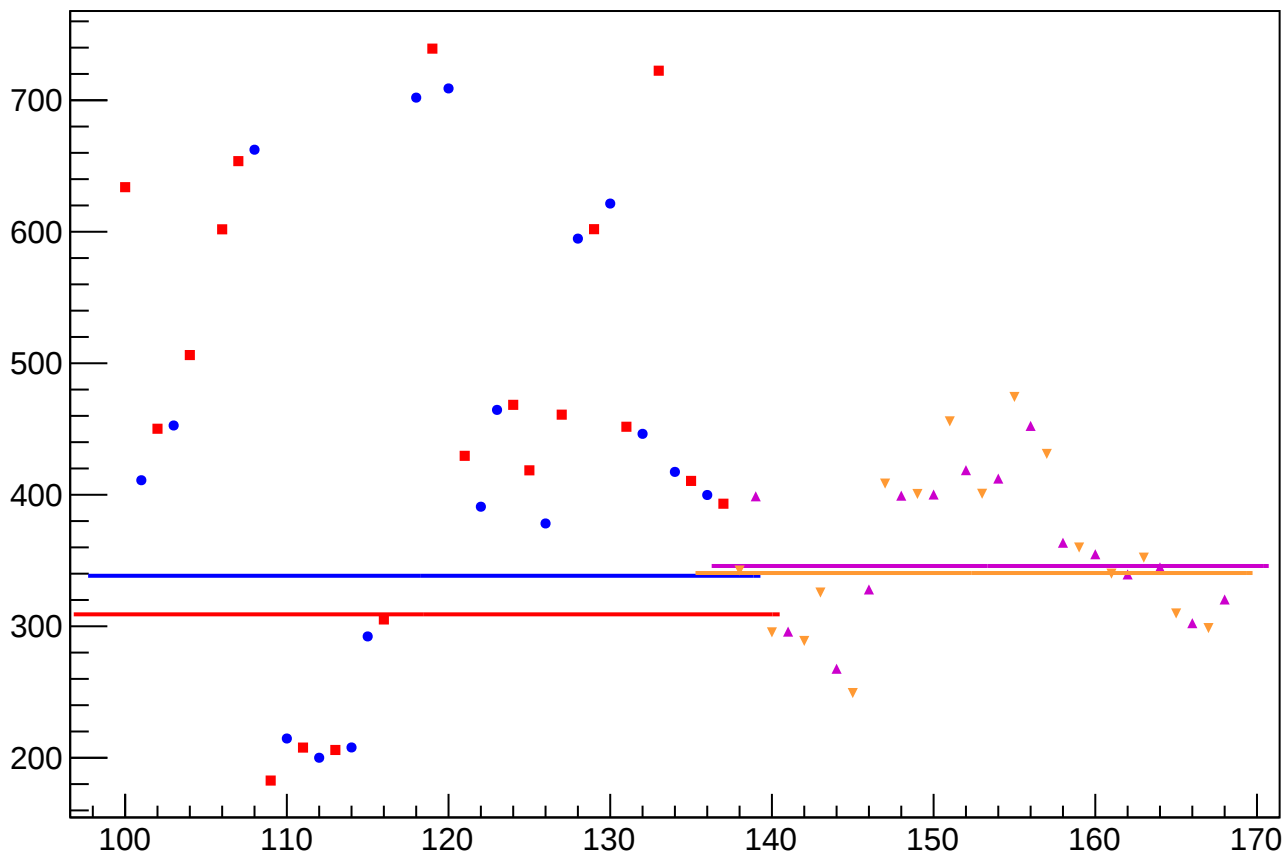
Out: 760.174 $\pm$ 0.134 χ^2 /NDF:5580614.5/34

All: 756.053 $\pm$ 0.096 χ^2 /NDF: 12064316.2/60

asym_sam7_mean vs Slug, Sign Corrected



asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 ± 0.101 $\chi^2/\text{NDF}: 2009287.1/16$

Left Out: 340.509 ± 0.071 $\chi^2/\text{NDF}: 727293.9/15$

Right Out: 309.081 ± 0.092 $\chi^2/\text{NDF}: 2733465.5/18$

Left In: 345.852 ± 0.072 $\chi^2/\text{NDF}: 501133.4/14$

Left: 343.131 ± 0.051 $\chi^2/\text{NDF}: 1231207.1/30$

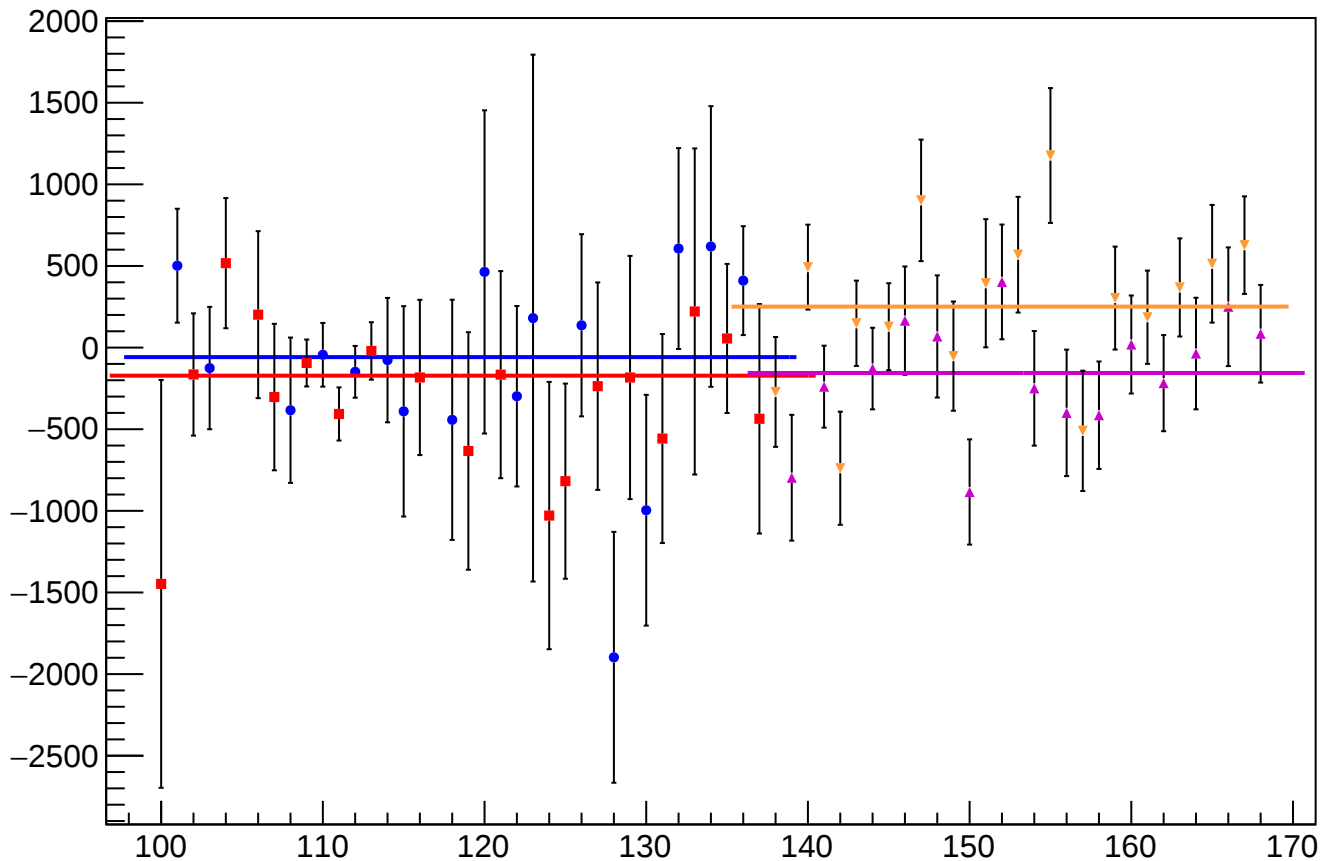
Right: 322.325 ± 0.068 $\chi^2/\text{NDF}: 4788966.2/35$

In: 343.330 ± 0.059 $\chi^2/\text{NDF}: 2514010.8/31$

Out: 328.726 ± 0.056 $\chi^2/\text{NDF}: 3534219.5/34$

All: 335.688 ± 0.041 $\chi^2/\text{NDF}: 6080498.3/66$

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 251.116 ± 79.863 χ^2/NDF : 28.3/15

Right Out: -171.954 ± 76.920 χ^2/NDF : 11.3/18

Left In: -155.500 ± 82.612 χ^2/NDF : 15.3/14

Left: 54.684 ± 57.419 χ^2/NDF : 56.1/30

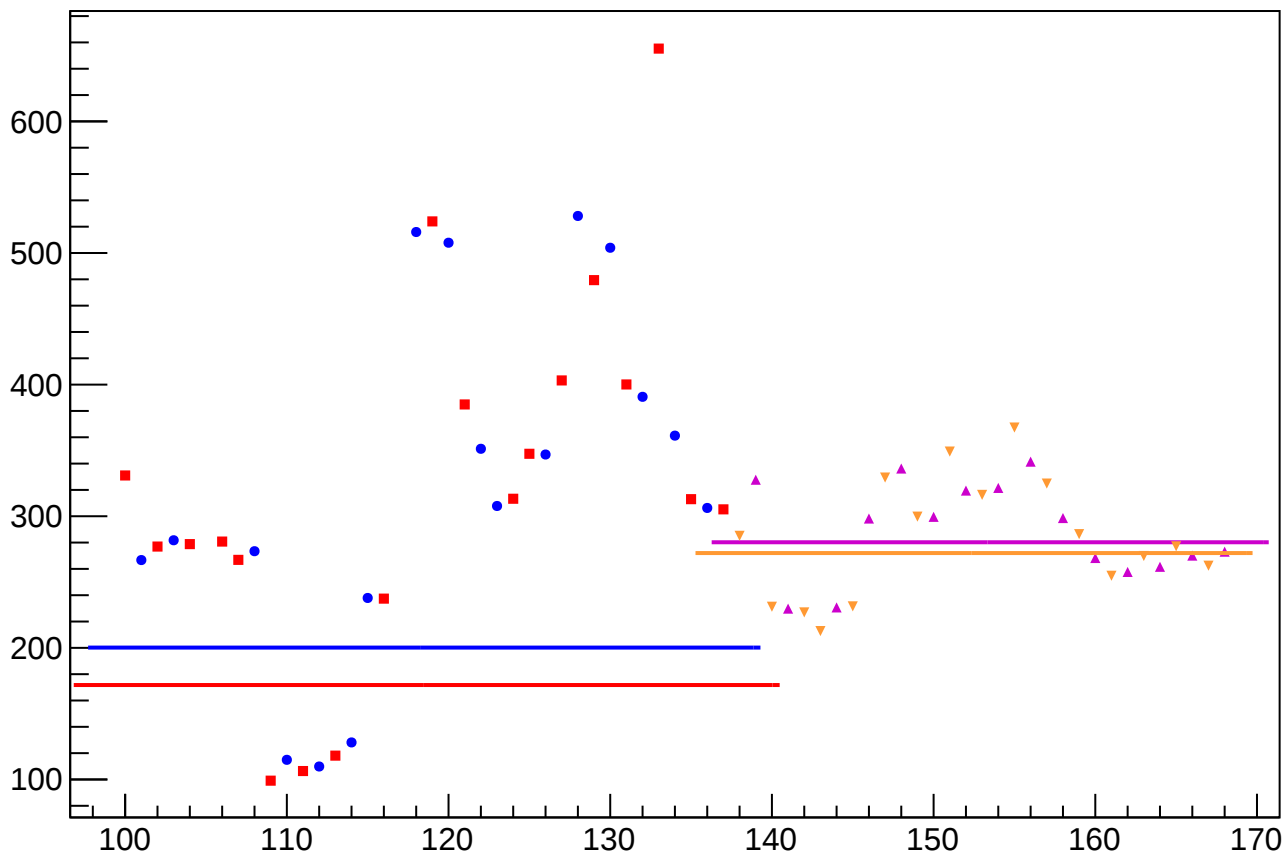
Right: -124.276 ± 58.606 χ^2/NDF : 28.1/35

In: -111.311 ± 61.009 χ^2/NDF : 31.8/31

Out: 31.641 ± 55.402 χ^2/NDF : 54.2/34

All: -32.965 ± 41.014 χ^2/NDF : 89.0/66

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2/NDF : 3387197.7/16

Left Out: 272.027 $\pm$ 0.056 χ^2/NDF : 566353.0/15

Right Out: 171.757 $\pm$ 0.054 χ^2/NDF : 4093922.6/18

Left In: 280.224 $\pm$ 0.058 χ^2/NDF : 380037.9/14

Left: 275.987 $\pm$ 0.041 χ^2/NDF : 956567.9/30

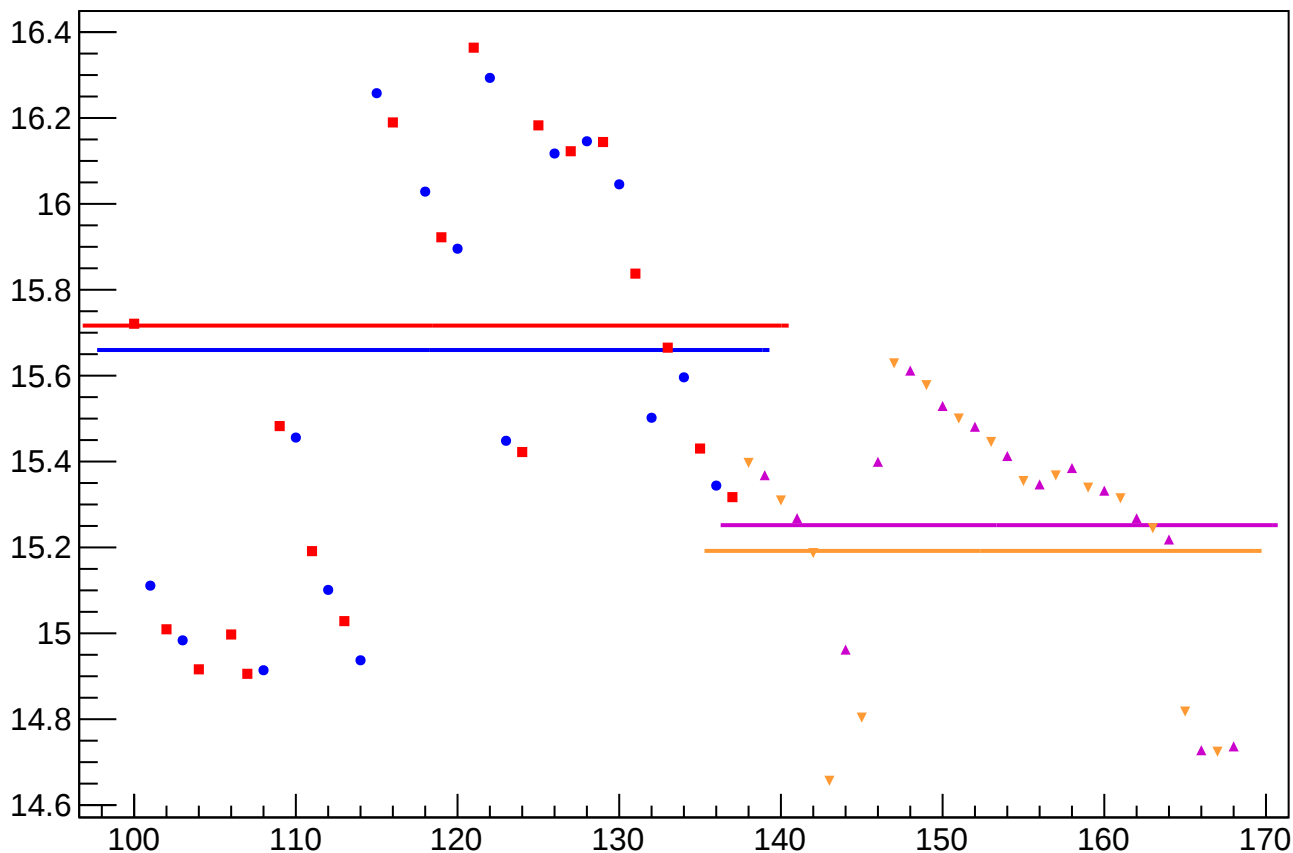
Right: 183.693 $\pm$ 0.041 χ^2/NDF : 7595909.3/35

In: 243.848 $\pm$ 0.043 χ^2/NDF : 4620207.3/31

Out: 220.011 $\pm$ 0.039 χ^2/NDF : 6295790.8/34

All: 230.784 $\pm$ 0.029 χ^2/NDF : 11083333.2/60

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.192 $\pm$ 0.000 χ^2/NDF : 8831378924.6/15

Right Out: 15.717 $\pm$ 0.000 χ^2/NDF : 5461829475.3/18

Left In: 15.252 $\pm$ 0.000 χ^2/NDF : 5710924464.2/14

Left: 15.221 $\pm$ 0.000 χ^2/NDF : 14713101201.4/30

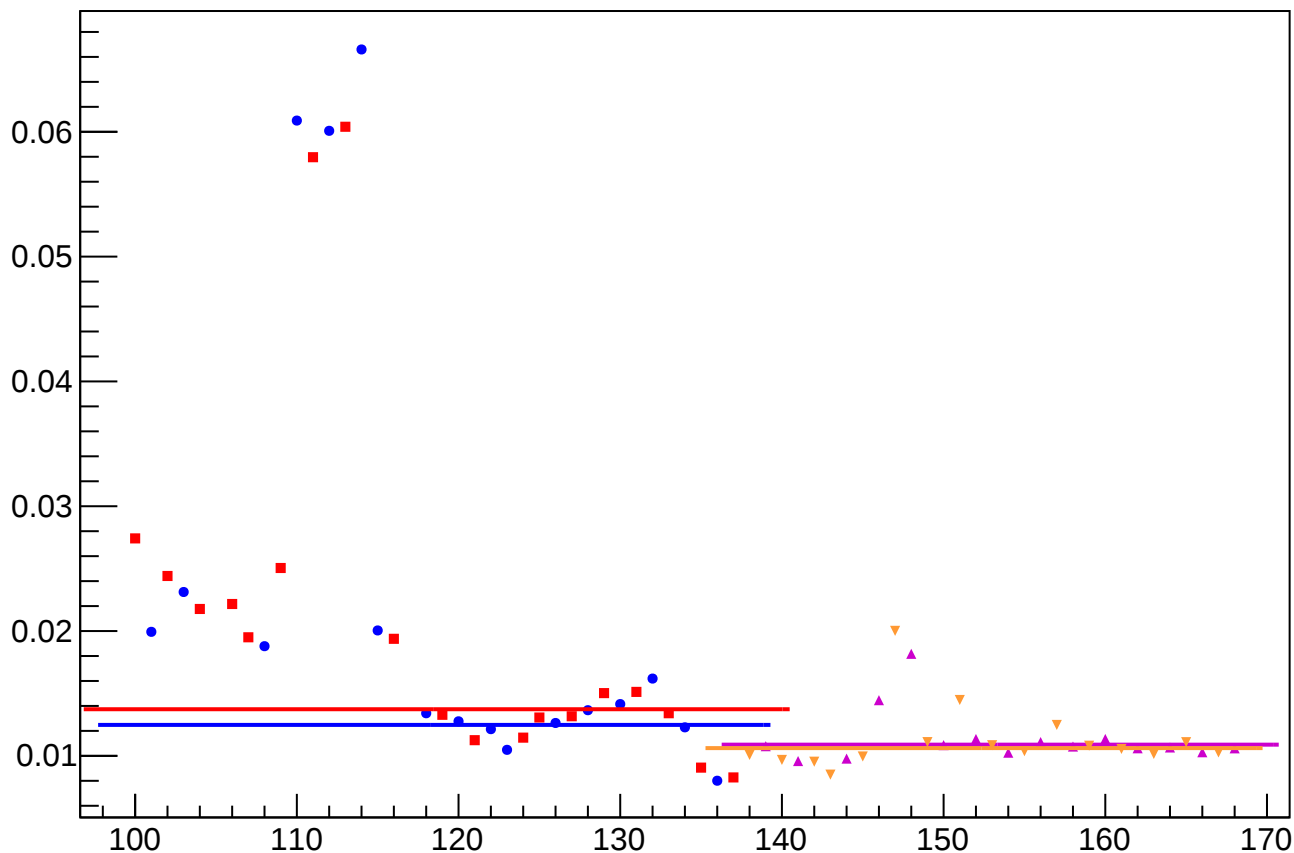
Right: 15.686 $\pm$ 0.000 χ^2/NDF : 11294352327.9/35

In: 15.359 $\pm$ 0.000 χ^2/NDF : 15546922959.5/31

Out: 15.311 $\pm$ 0.000 χ^2/NDF : 20429793407.6/34

All: 15.335 $\pm$ 0.000 χ^2/NDF : 36122773961.9

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF :590636.5/15

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 2077569.4/18

Left In: 0.011 $\pm$ 0.000 χ^2/NDF :403417.0/14

Left: 0.011 $\pm$ 0.000 χ^2/NDF : 1001341.1/30

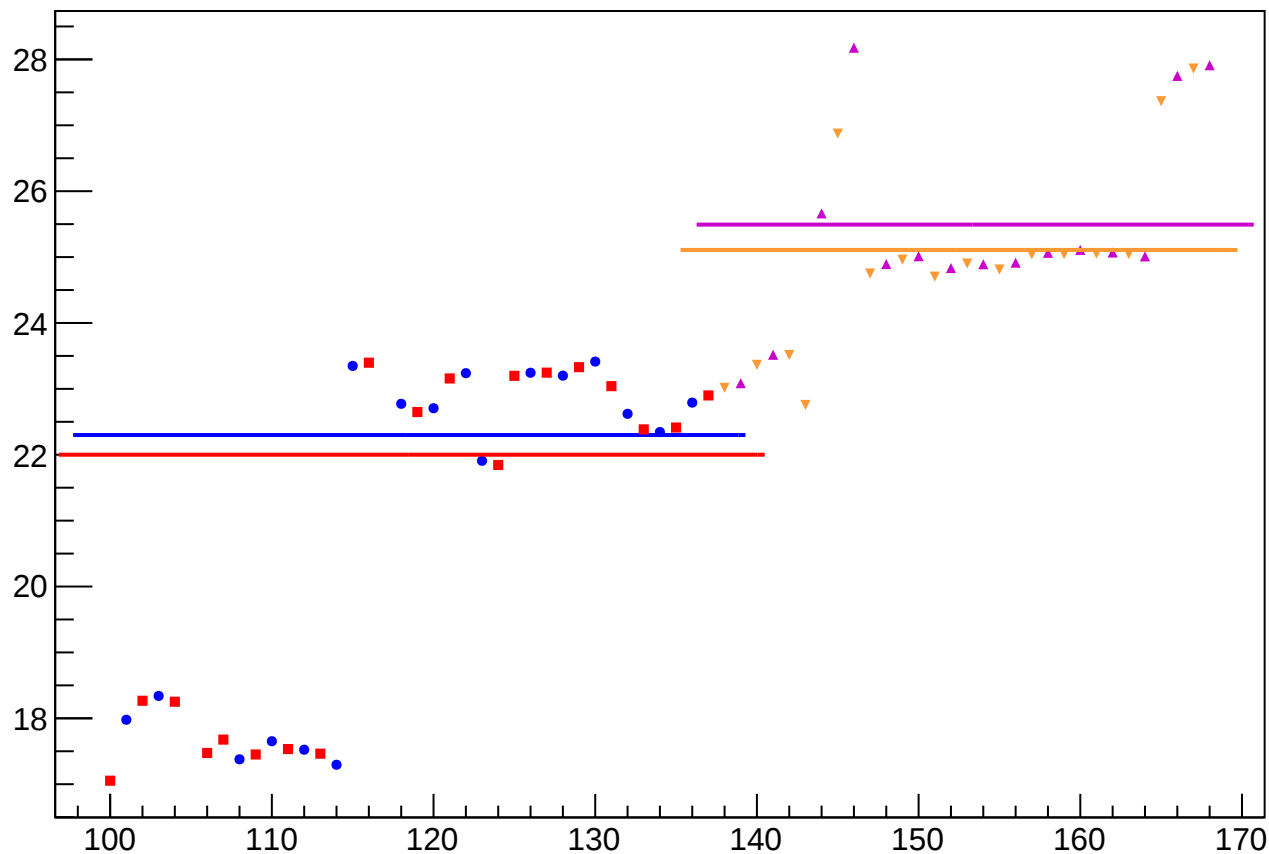
Right: 0.013 $\pm$ 0.000 χ^2/NDF : 4279107.1/35

In: 0.011 $\pm$ 0.000 χ^2/NDF :2678407.7/31

Out: 0.011 $\pm$ 0.000 χ^2/NDF :3100929.0/34

All: 0.011 $\pm$ 0.000 χ^2/NDF : 5779363.6/66

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 25.108+/-0.000 χ^2/NDF : 1766941239.5/15

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

Left In: 25.493+/-0.000 χ^2/NDF : 1433118344.8/14

Left: 25.295+/-0.000 χ^2/NDF : 3256310109.1/30

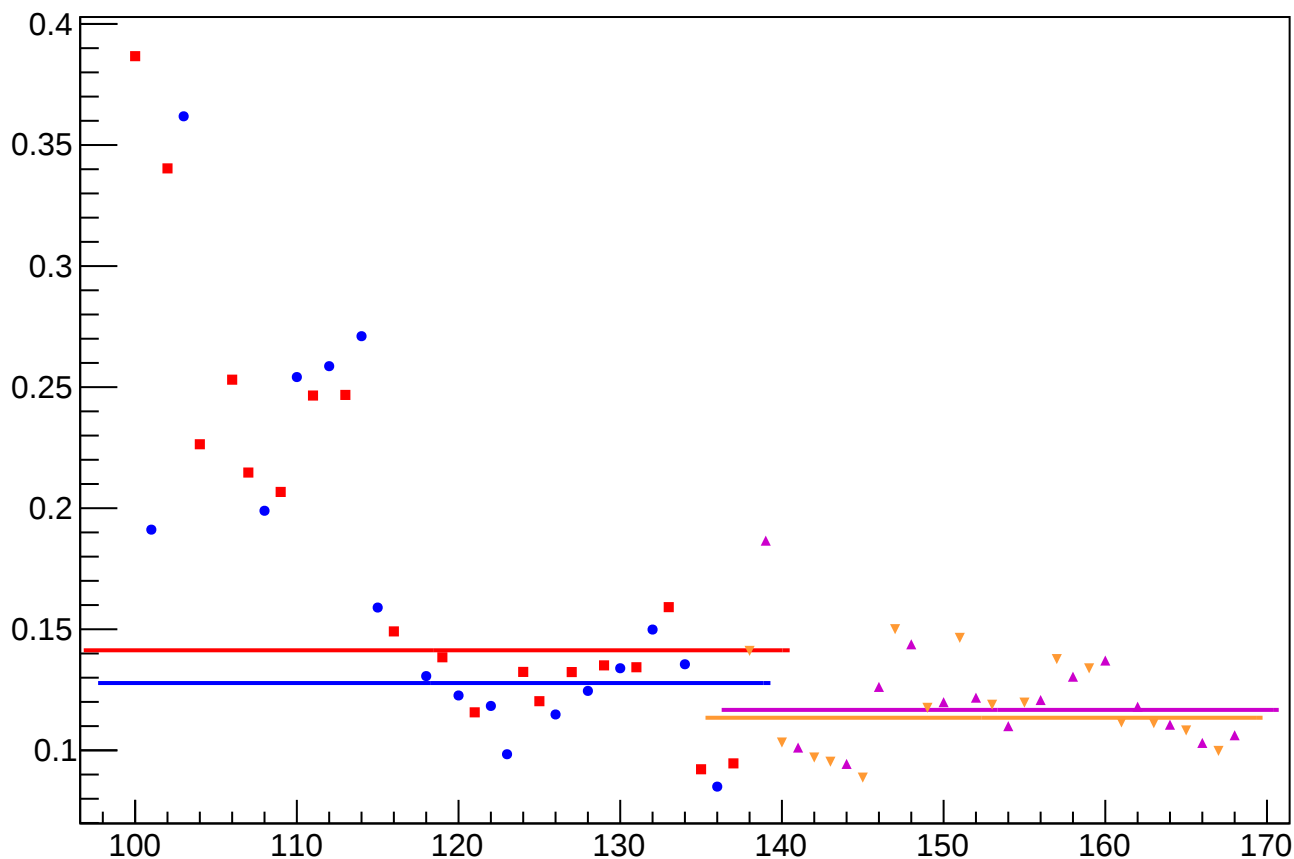
Right: 22.159+/-0.000 χ^2/NDF : 2017477949.3/35

In: 24.550+/-0.000 χ^2/NDF : 4596442956.9/31

Out: 24.300+/-0.000 χ^2/NDF : 4803514751.7/34

All: 24.424+/-0.000 χ^2/NDF : 9432751750.6/66

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.113+/-0.000 χ^2/NDF : 487377.3/15

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

Left In: 0.117+/-0.000 χ^2/NDF : 467225.1/14

Left: 0.115+/-0.000 χ^2/NDF : 962625.0/30

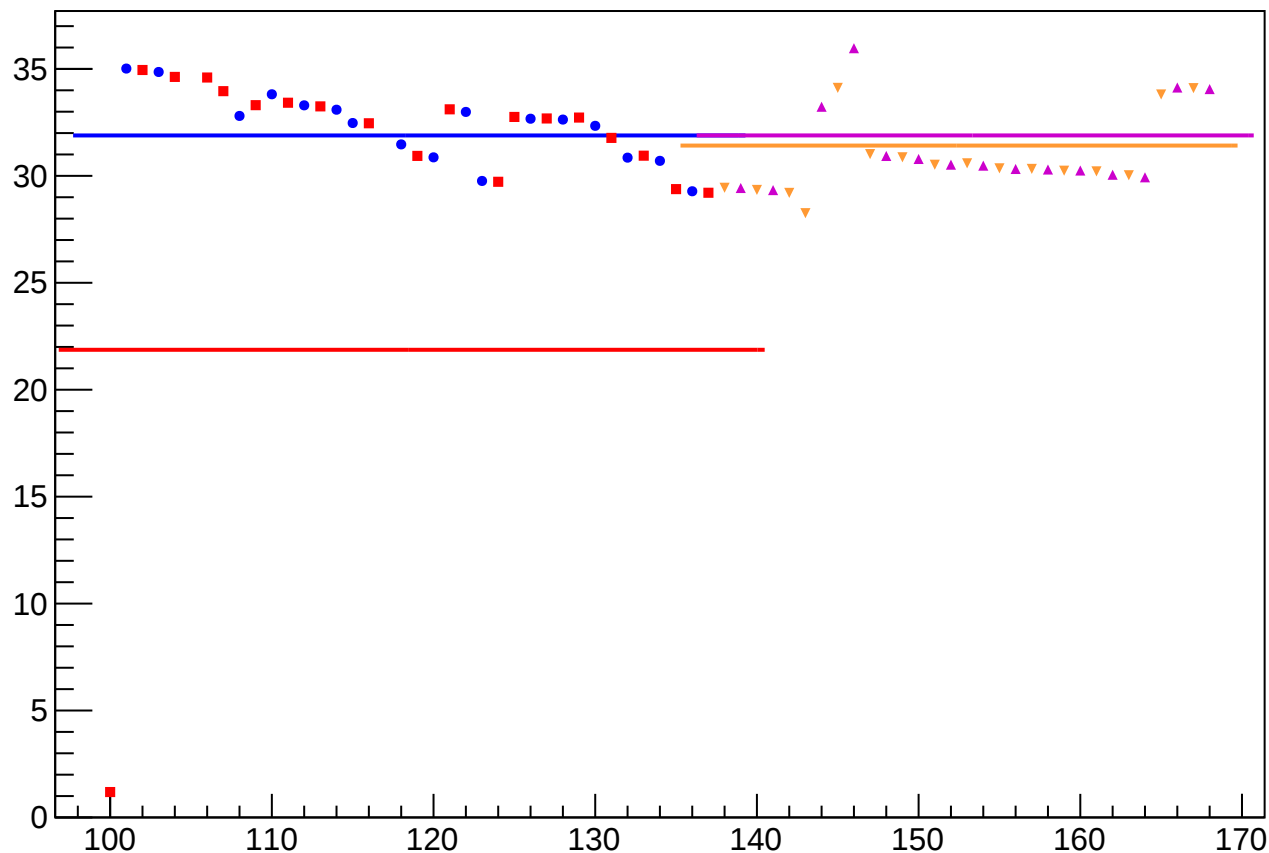
Right: 0.134+/-0.000 χ^2/NDF : 2994732.7/35

In: 0.120+/-0.000 χ^2/NDF : 2013002.1/31

Out: 0.121+/-0.000 χ^2/NDF : 2253375.0/34

All: 0.120+/-0.000 χ^2/NDF : 4266926.7/66

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.416+/-0.000 χ^2/NDF : 8031730416.8/15

Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

Left In: 31.891+/-0.000 χ^2/NDF : 9307464143.0/14

Left: 31.655+/-0.000 χ^2/NDF : 17579640547.3/30

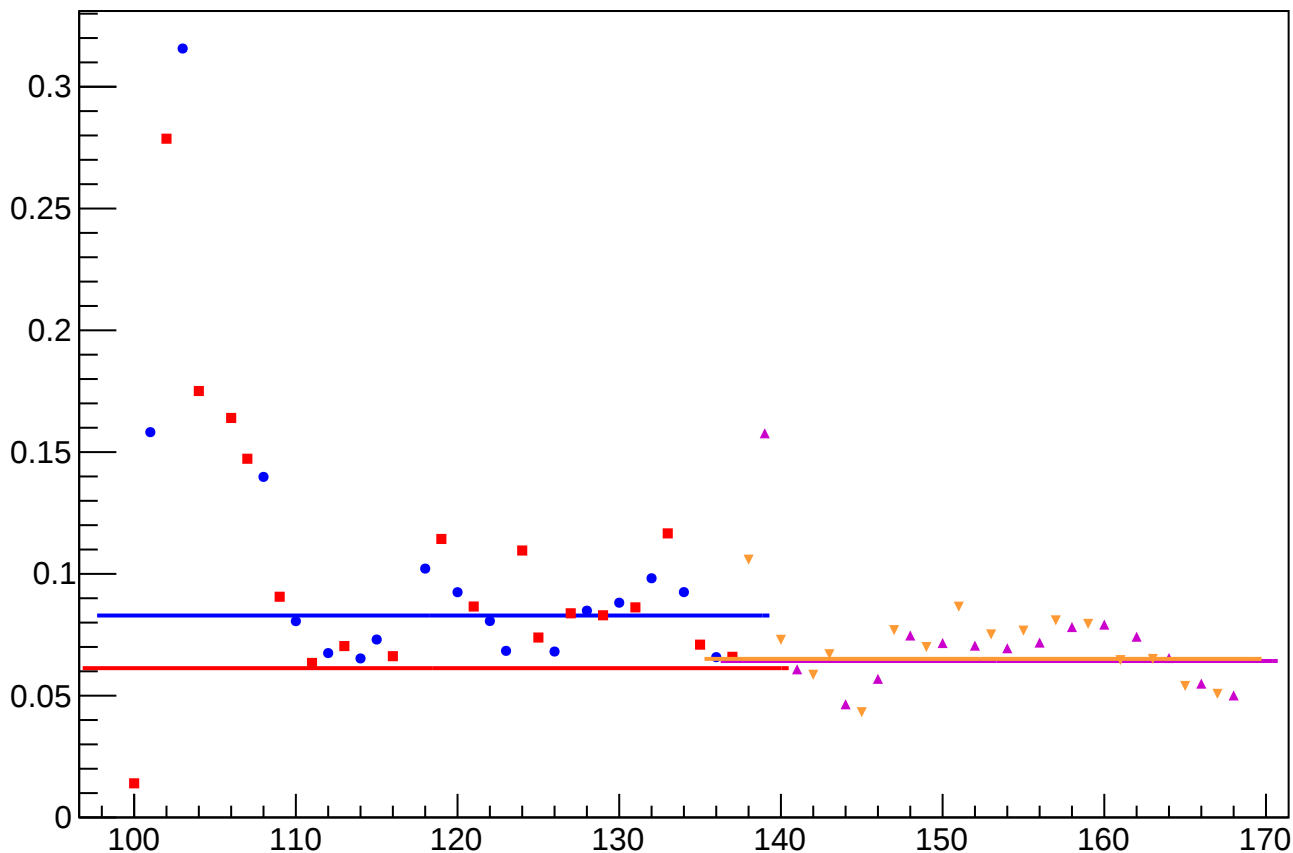
Right: 25.887+/-0.000 χ^2/NDF : 274879927198.7/35

In: 31.890+/-0.000 χ^2/NDF : 11237868815.3/31

Out: 28.227+/-0.000 χ^2/NDF : 302736472314.1/34

All: 29.962+/-0.000 χ^2/NDF : 334228356443.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.065+/-0.000 χ^2/NDF :875187.5/15

Right Out: 0.061+/-0.000 χ^2/NDF : 3603853.3/18

Left In: 0.064+/-0.000 χ^2/NDF :1020879.0/14

Left: 0.065+/-0.000 χ^2/NDF : 1897719.3/30

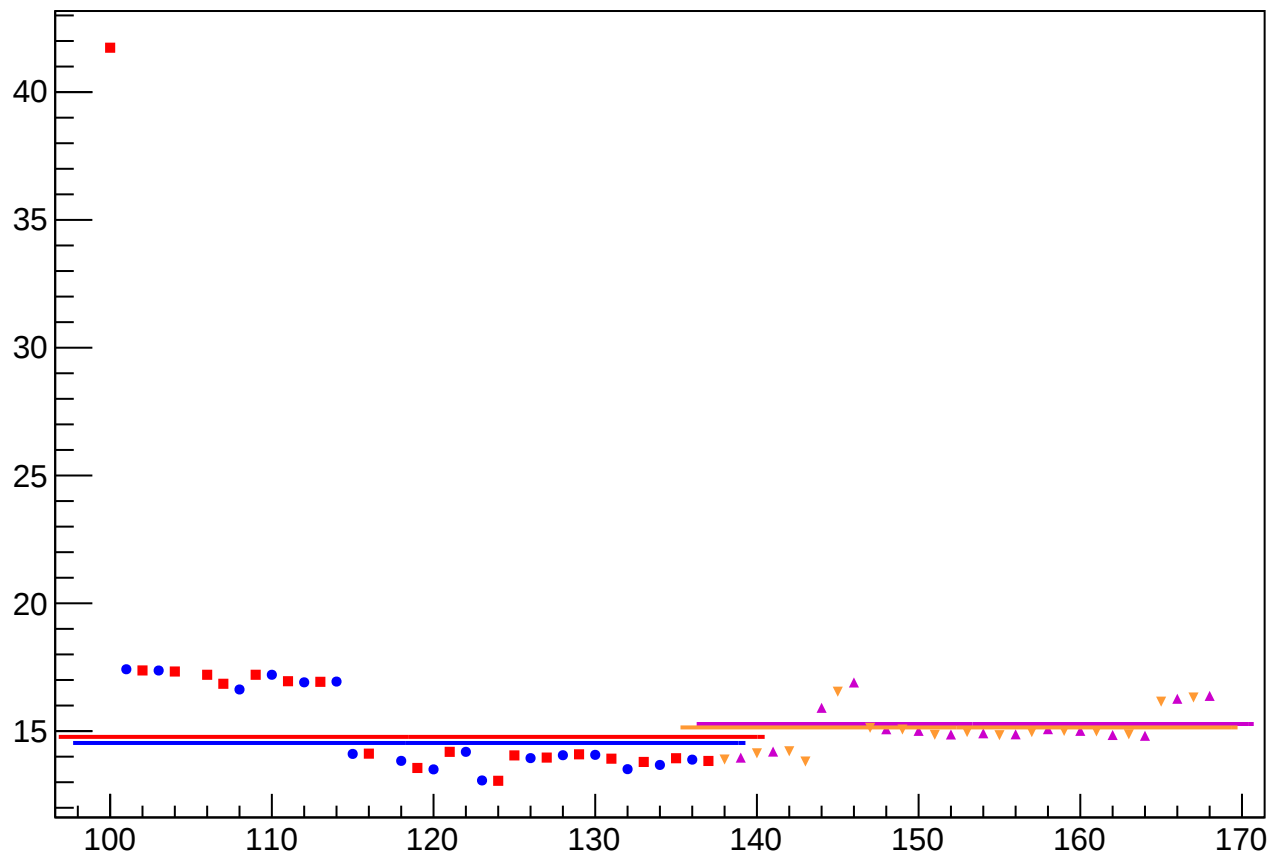
Right: 0.070+/-0.000 χ^2/NDF : 5167150.6/35

In: 0.069+/-0.000 χ^2/NDF :2559022.4/31

Out: 0.064+/-0.000 χ^2/NDF :4499662.1/34

All: 0.066+/-0.000 χ^2/NDF : 7135340.8/66

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.144+/-0.000 χ^2/NDF : 1408319656.5/15

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

Left In: 15.278+/-0.000 χ^2/NDF : 1183831796.4/14

Left: 15.210+/-0.000 χ^2/NDF : 2611891872.2/30

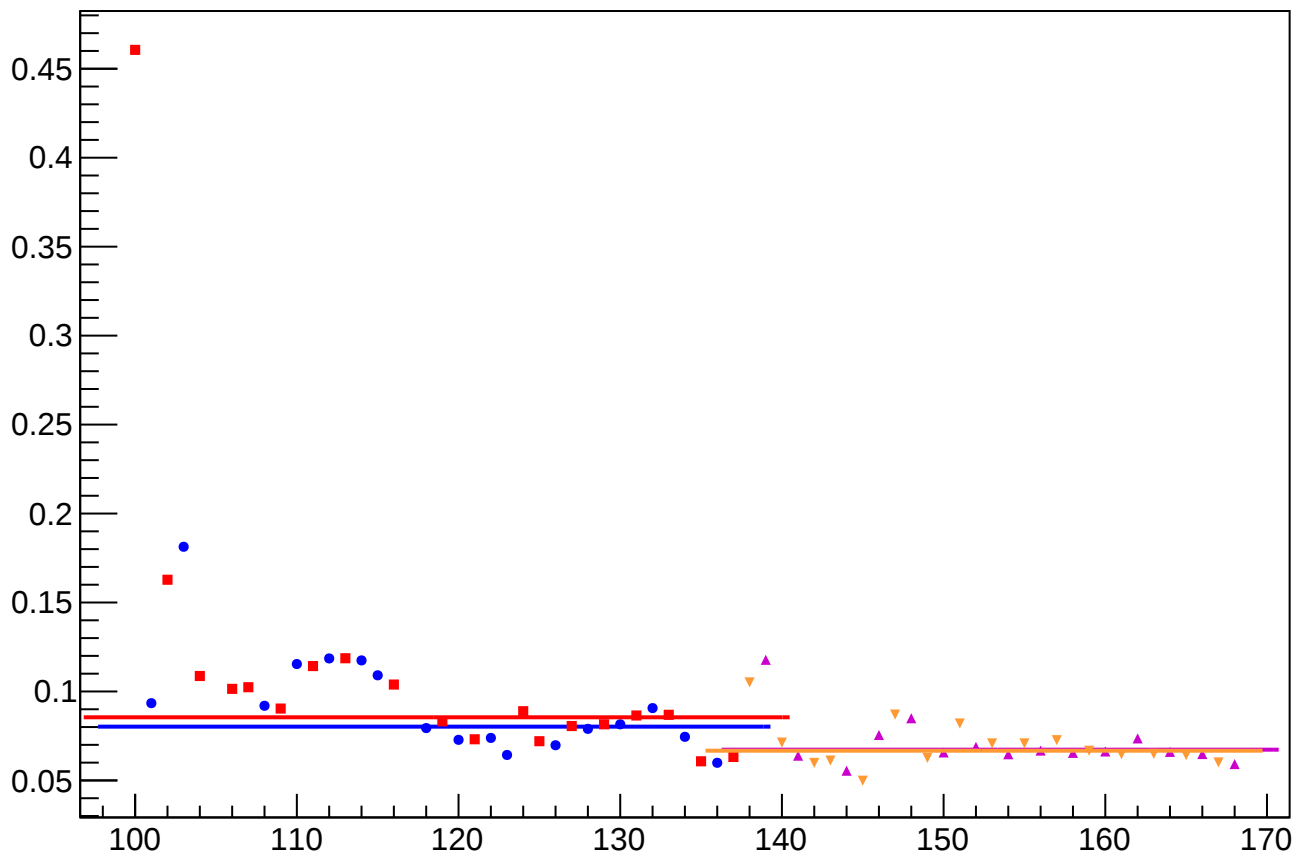
Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35

In: 15.068+/-0.000 χ^2/NDF : 2993266908.8/31

Out: 15.046+/-0.000 χ^2/NDF : 3376100864.3/34

All: 15.057+/-0.000 χ^2/NDF : 6370118490.4/66

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.067+/-0.000 χ^2/NDF : 495720.4/15

Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

Left In: 0.067+/-0.000 χ^2/NDF : 445776.2/14

Left: 0.067+/-0.000 χ^2/NDF : 942221.5/30

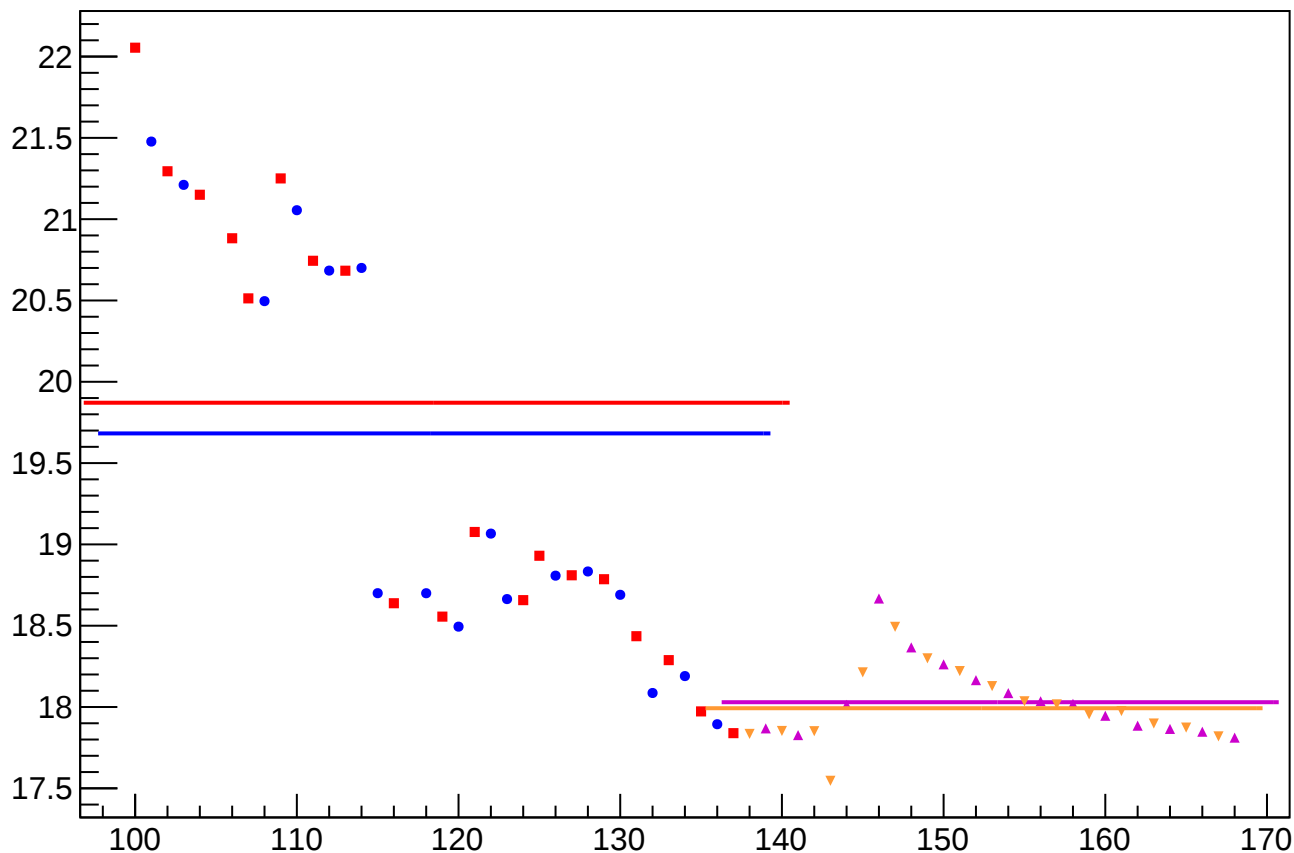
Right: 0.083+/-0.000 χ^2/NDF : 1539722.7/35

In: 0.071+/-0.000 χ^2/NDF : 1430793.9/31

Out: 0.072+/-0.000 χ^2/NDF : 1650643.3/34

All: 0.071+/-0.000 χ^2/NDF : 3083104.4/66

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.993+/-0.000 χ^2/NDF : 455834753.0/15

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

Left In: 18.030+/-0.000 χ^2/NDF : 447082135.7/14

Left: 18.011+/-0.000 χ^2/NDF : 910516978.0/30

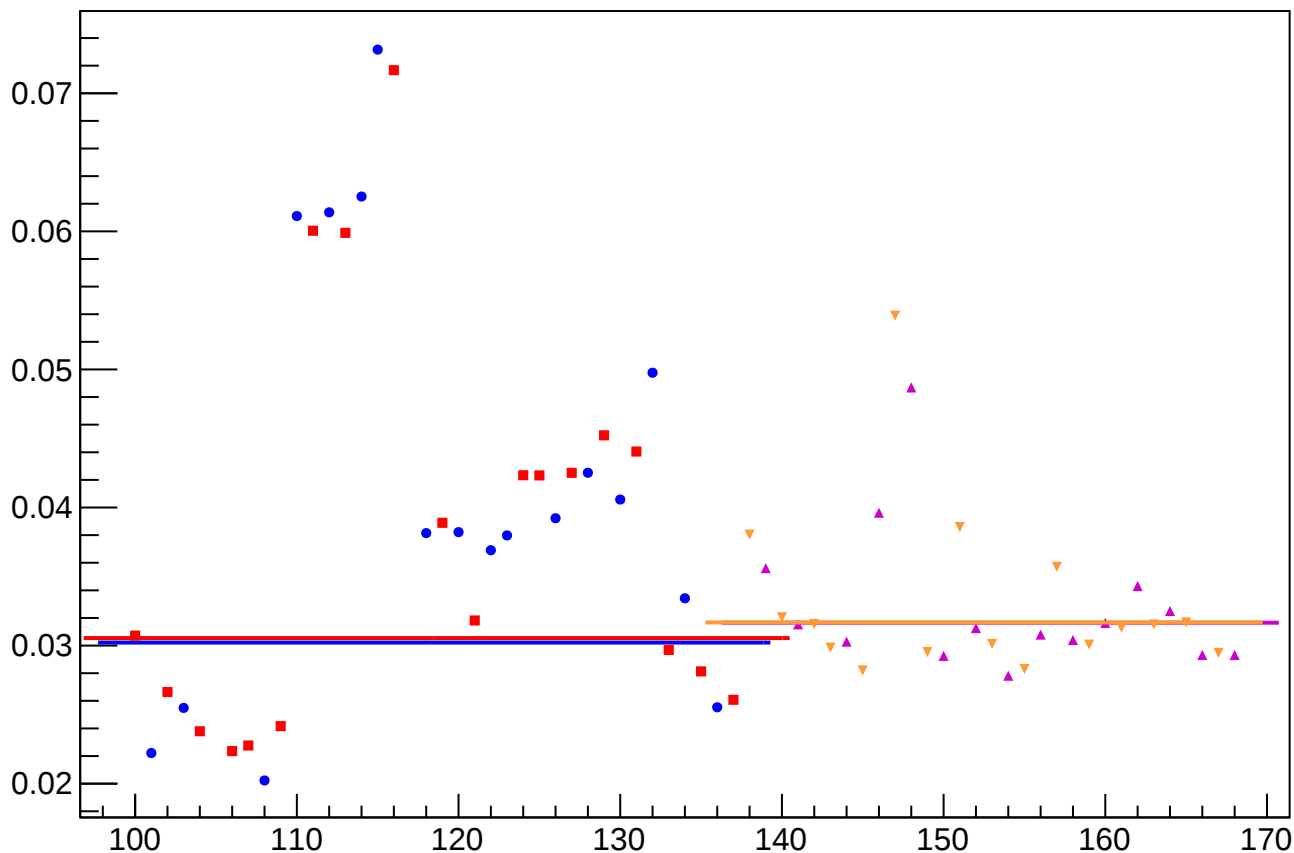
Right: 19.778+/-0.000 χ^2/NDF : 23711776447.8/35

In: 18.618+/-0.000 χ^2/NDF : 23483825777.6/31

Out: 18.671+/-0.000 χ^2/NDF : 26034517424.0/34

All: 18.645+/-0.000 χ^2/NDF : 49543009131.4

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032+/-0.000 χ^2/NDF :433911.5/15

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

Left In: 0.032+/-0.000 χ^2/NDF :341128.9/14

Left: 0.032+/-0.000 χ^2/NDF : 775044.0/30

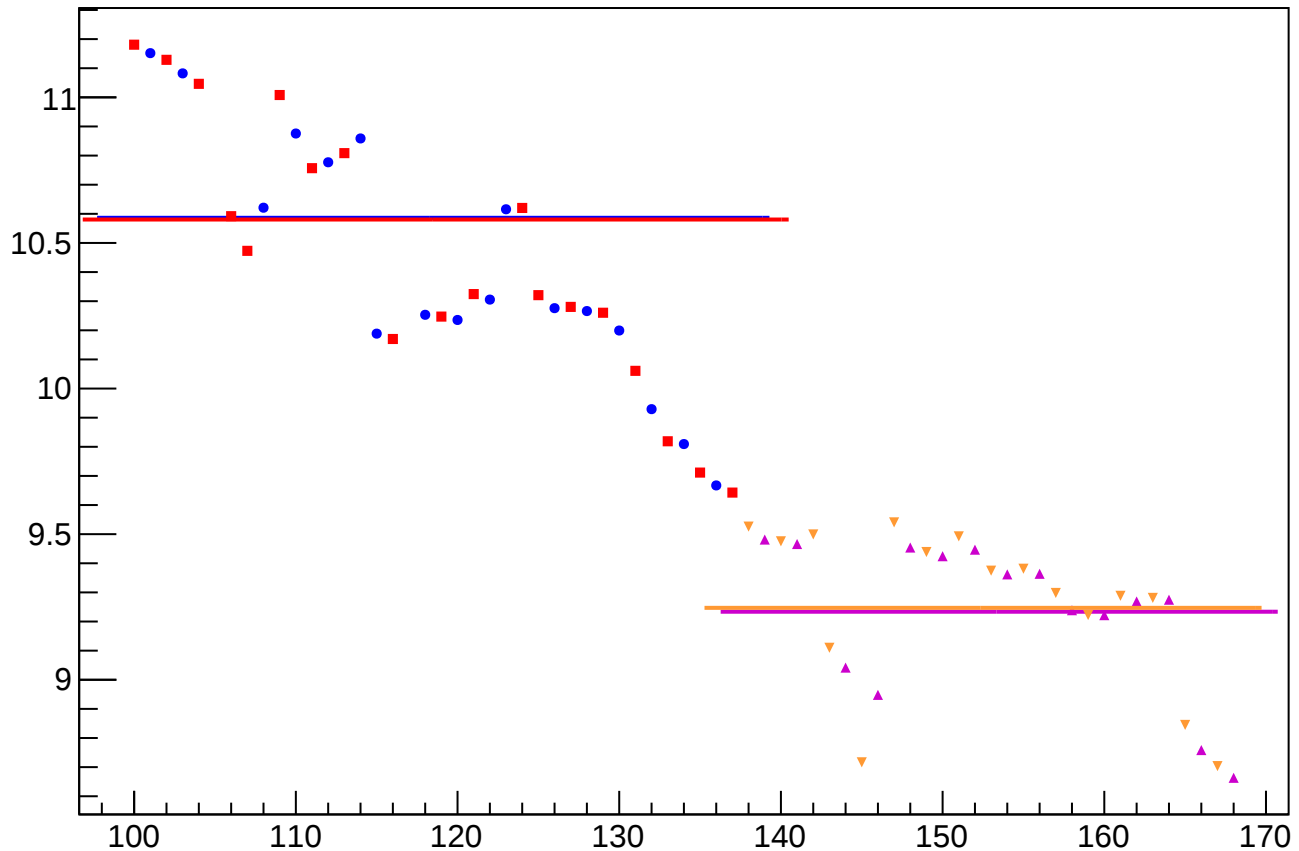
Right: 0.030+/-0.000 χ^2/NDF : 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF :1681926.9/31

Out: 0.031+/-0.000 χ^2/NDF :1633969.3/34

All: 0.031+/-0.000 χ^2/NDF : 3316151.0/66

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.247+/-0.000 χ^2/NDF : 1999866473.2/15

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

Left In: 9.234+/-0.000 χ^2/NDF : 1591561393.7/14

Left: 9.241+/-0.000 χ^2/NDF : 3593841534.7/30

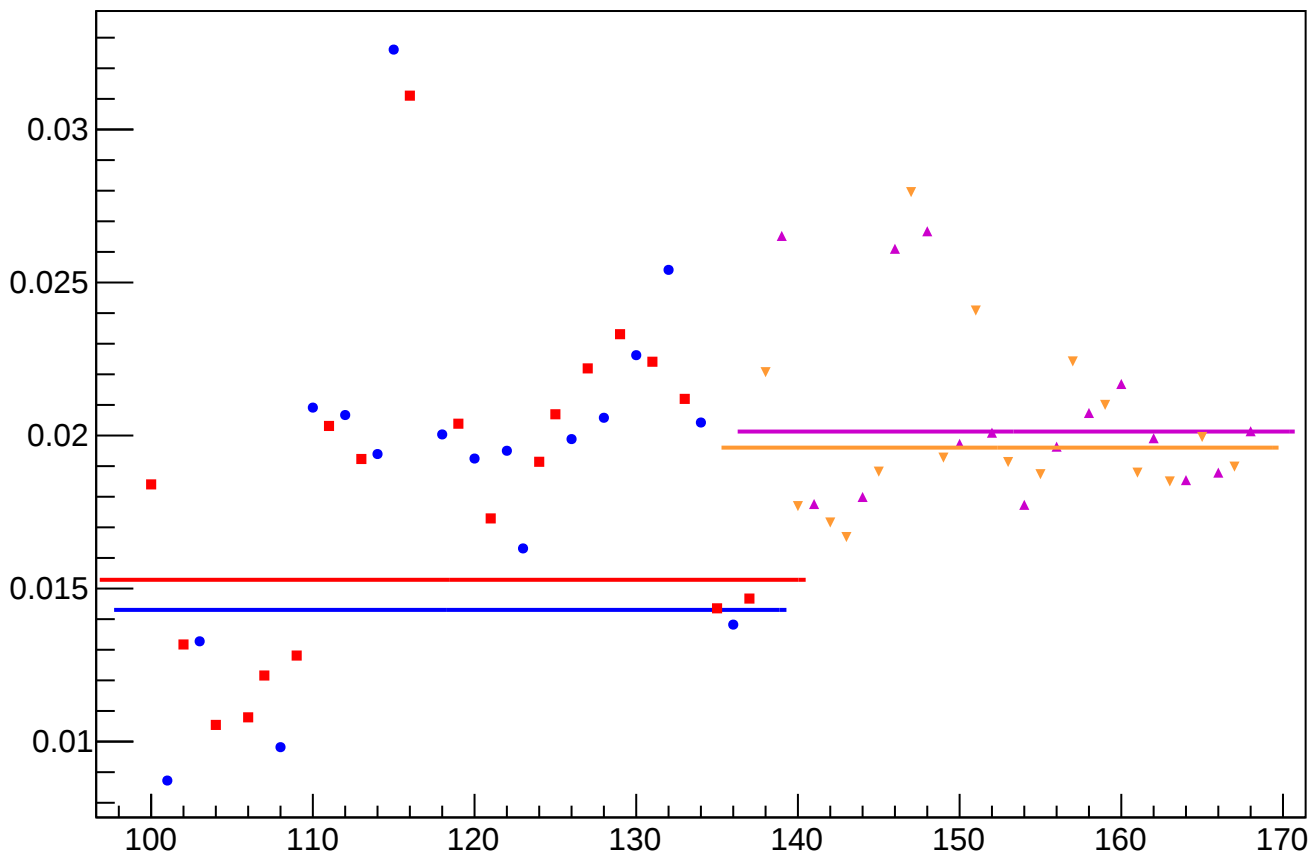
Right: 10.583+/-0.000 χ^2/NDF : 13184410027.5/35

In: 9.907+/-0.000 χ^2/NDF : 32921886510.1/31

Out: 9.879+/-0.000 χ^2/NDF : 31398703268.5/34

All: 9.893+/-0.000 χ^2/NDF : 64342135037.3/66

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020+/-0.000 χ^2/NDF :315817.5/15

Right Out: 0.015+/-0.000 χ^2/NDF : 989017.0/18

Left In: 0.020+/-0.000 χ^2/NDF :351419.3/14

Left: 0.020+/-0.000 χ^2/NDF : 674720.0/30

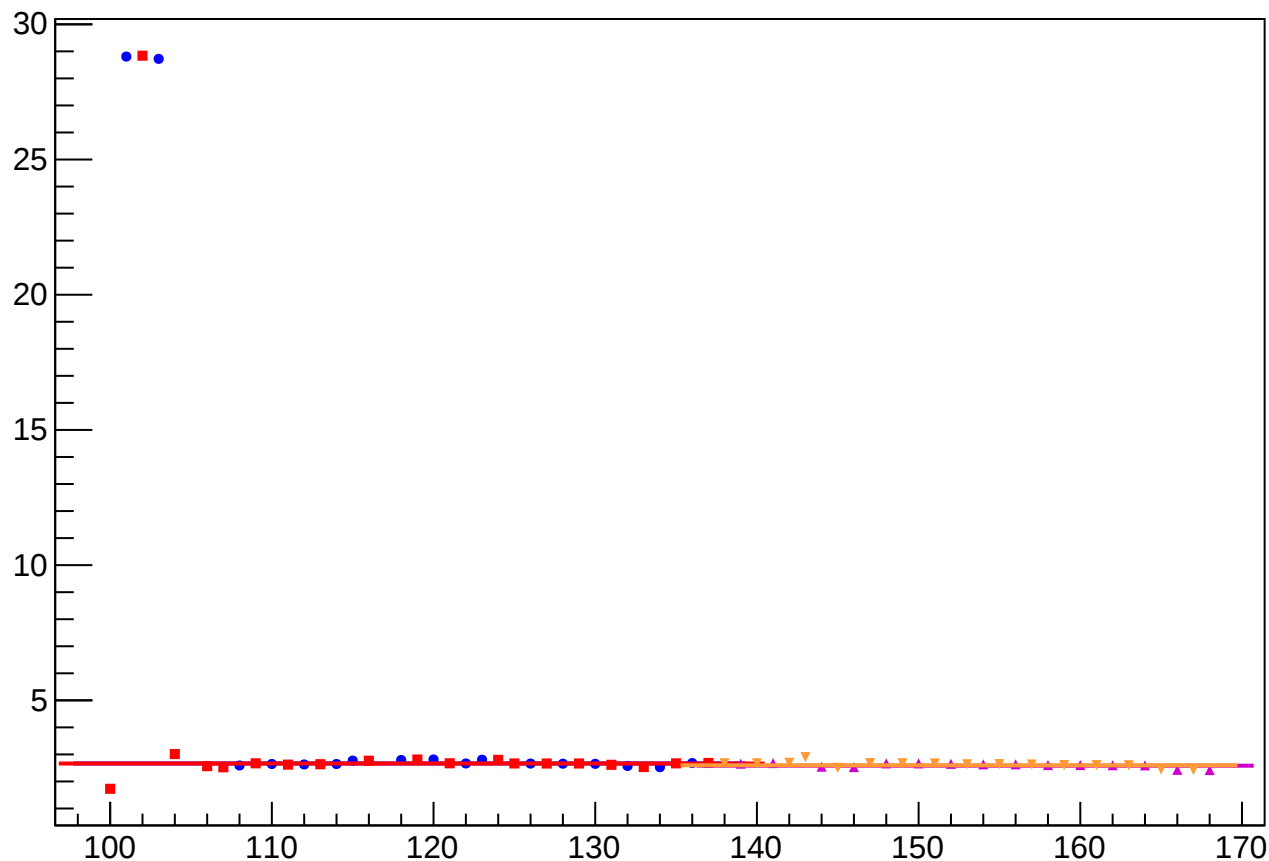
Right: 0.015+/-0.000 χ^2/NDF : 2421831.8/35

In: 0.017+/-0.000 χ^2/NDF :2646895.9/31

Out: 0.018+/-0.000 χ^2/NDF :1800659.6/34

All: 0.017+/-0.000 χ^2/NDF : 4453332.9/66

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.597+/-0.000 χ^2/NDF : 23089214356.1/15

Right Out: 2.664+/-0.000 χ^2/NDF : 70398125461.7/18

Left In: 2.582+/-0.000 χ^2/NDF : 14311049784.1/14

Left: 2.590+/-0.000 χ^2/NDF : 37613505128.7/30

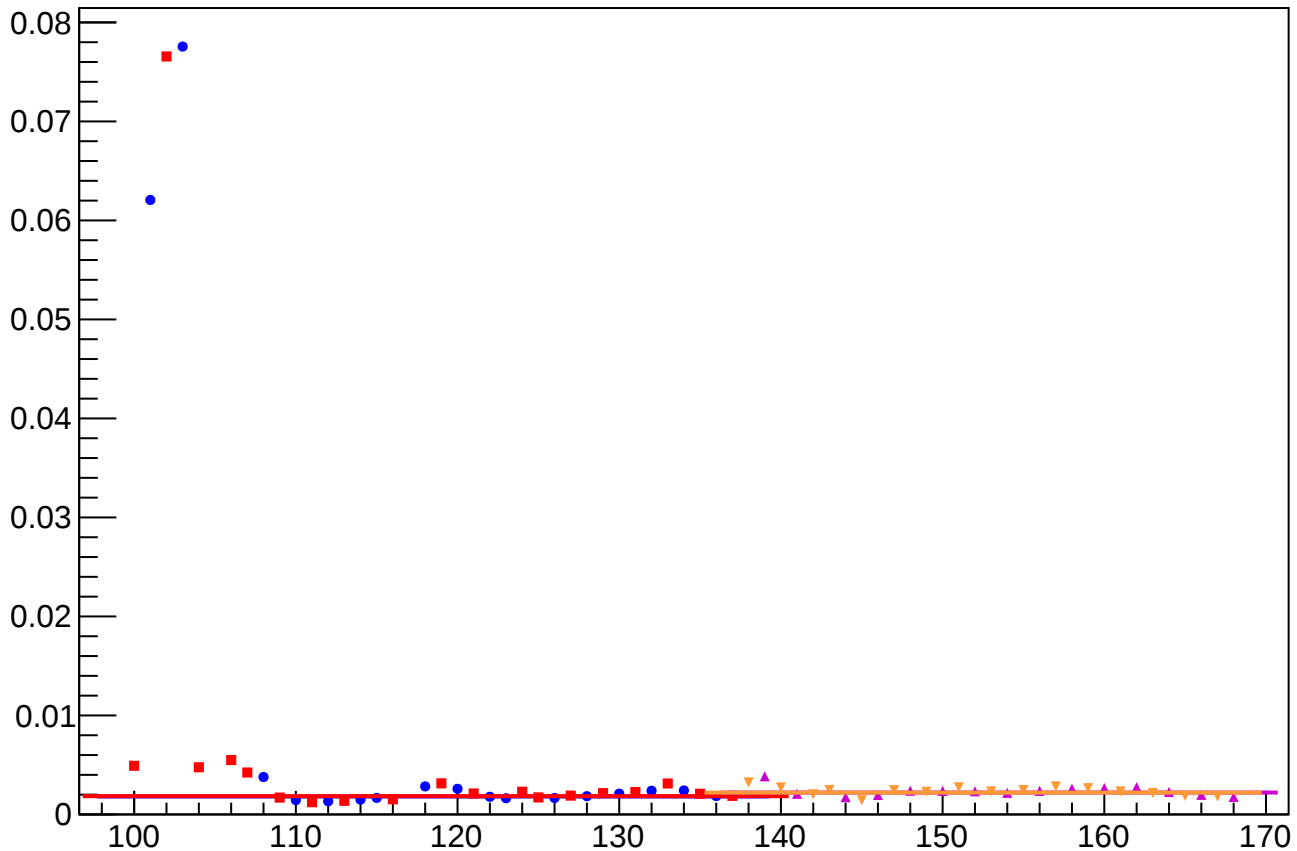
Right: 2.665+/-0.000 χ^2/NDF : 233569925265.6/35

In: 2.617+/-0.000 χ^2/NDF : 183042363517.7/31

Out: 2.625+/-0.000 χ^2/NDF : 97099636369.8/34

All: 2.621+/-0.000 χ^2/NDF : 280257966845.9

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 813408.2/15

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF : 625646.1/14

Left: 0.002+/-0.000 χ^2/NDF : 1439096.5/30

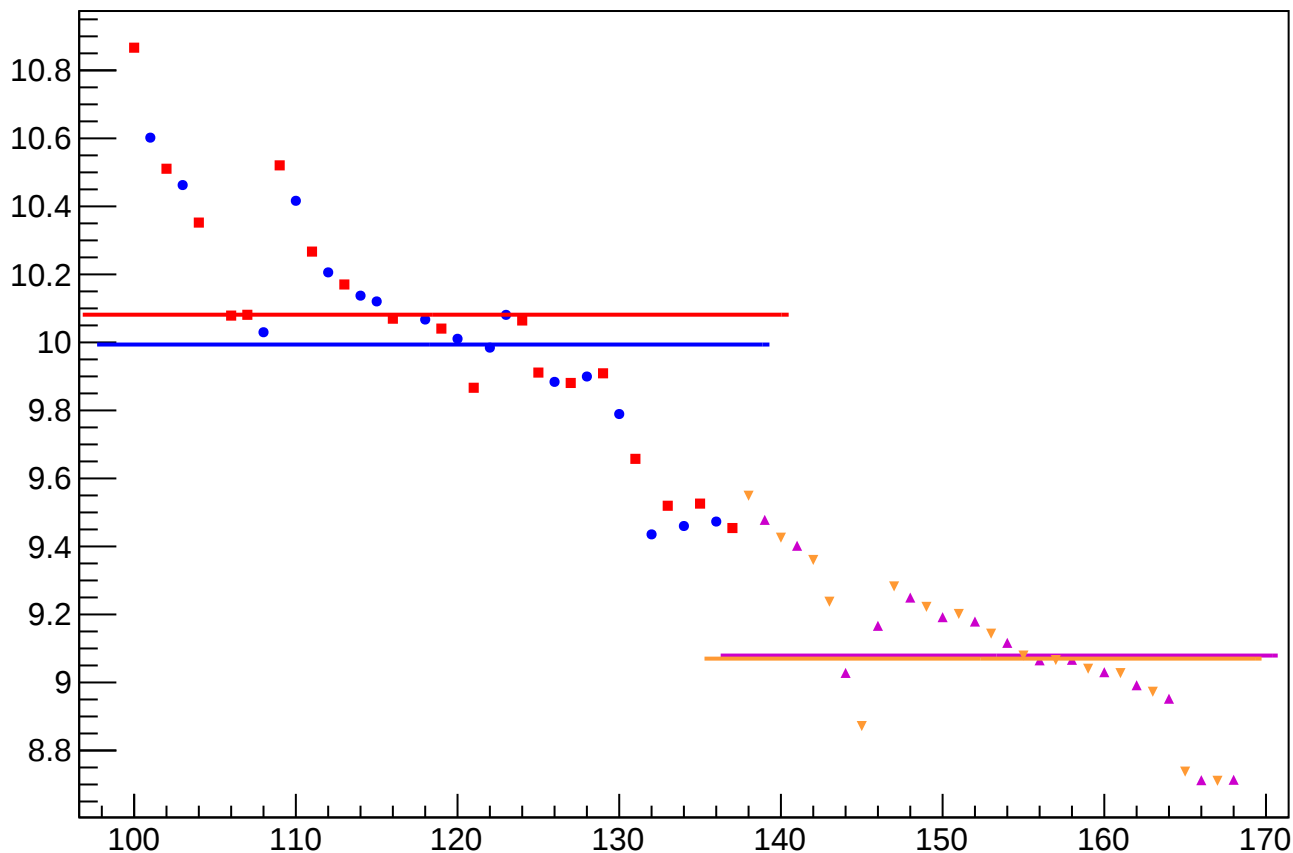
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF : 3534706.7/31

Out: 0.002+/-0.000 χ^2/NDF : 3358935.8/34

All: 0.002+/-0.000 χ^2/NDF : 6893742.8/66

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.070+/-0.000 χ^2/NDF : 9968187793.3/15

Right Out: 10.082+/-0.000 χ^2/NDF : 15502695798.7/18

Left In: 9.079+/-0.000 χ^2/NDF : 8085440515.1/14

Left: 9.074+/-0.000 χ^2/NDF : 18063337484.3/30

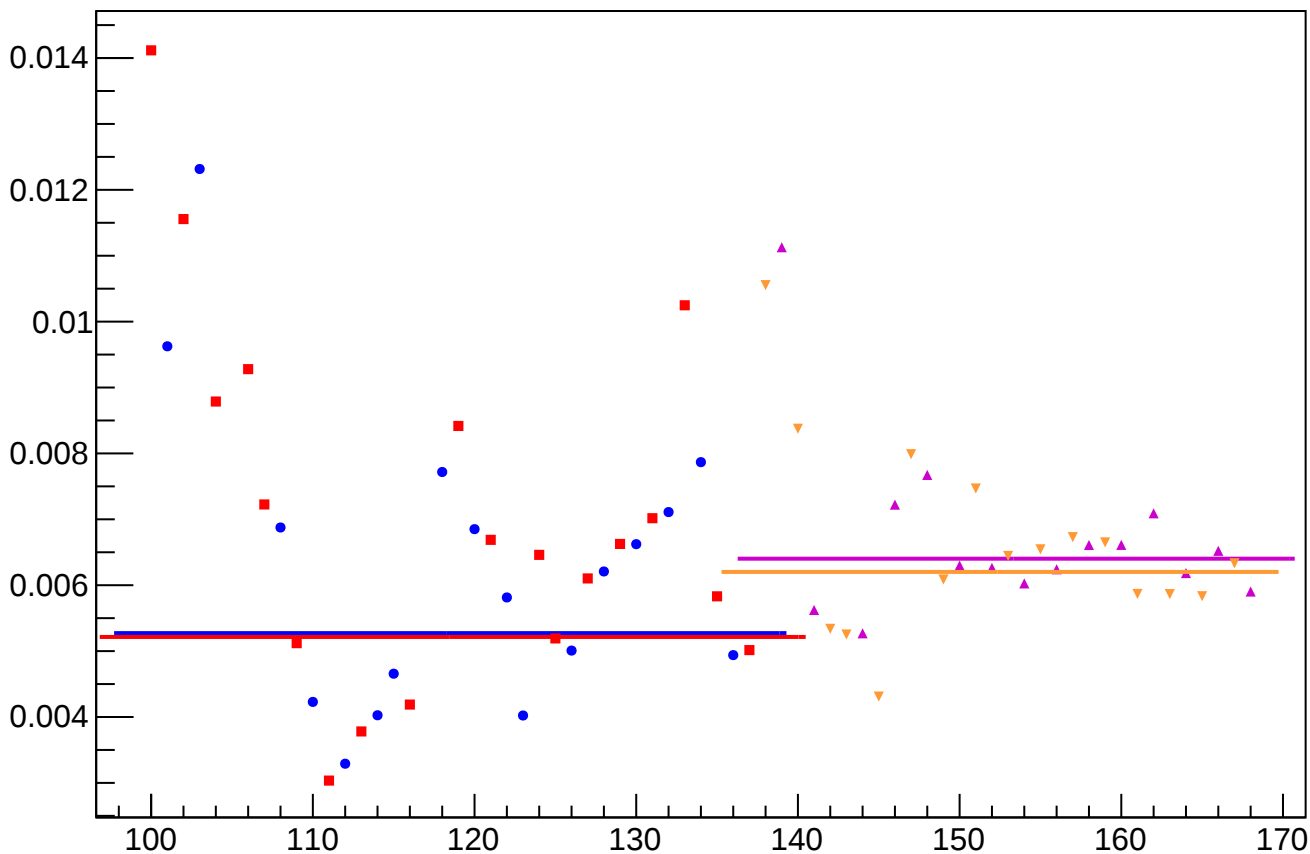
Right: 10.039+/-0.000 χ^2/NDF : 35036056098.5/35

In: 9.481+/-0.000 χ^2/NDF : 111705970557.5/31

Out: 9.513+/-0.000 χ^2/NDF : 135881736572.1/34

All: 9.498+/-0.000 χ^2/NDF : 247812646859.9

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 : 682987.2/15

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 415220.4/14

Left: 0.006+/-0.000 χ^2/NDF : 1107819.3/30

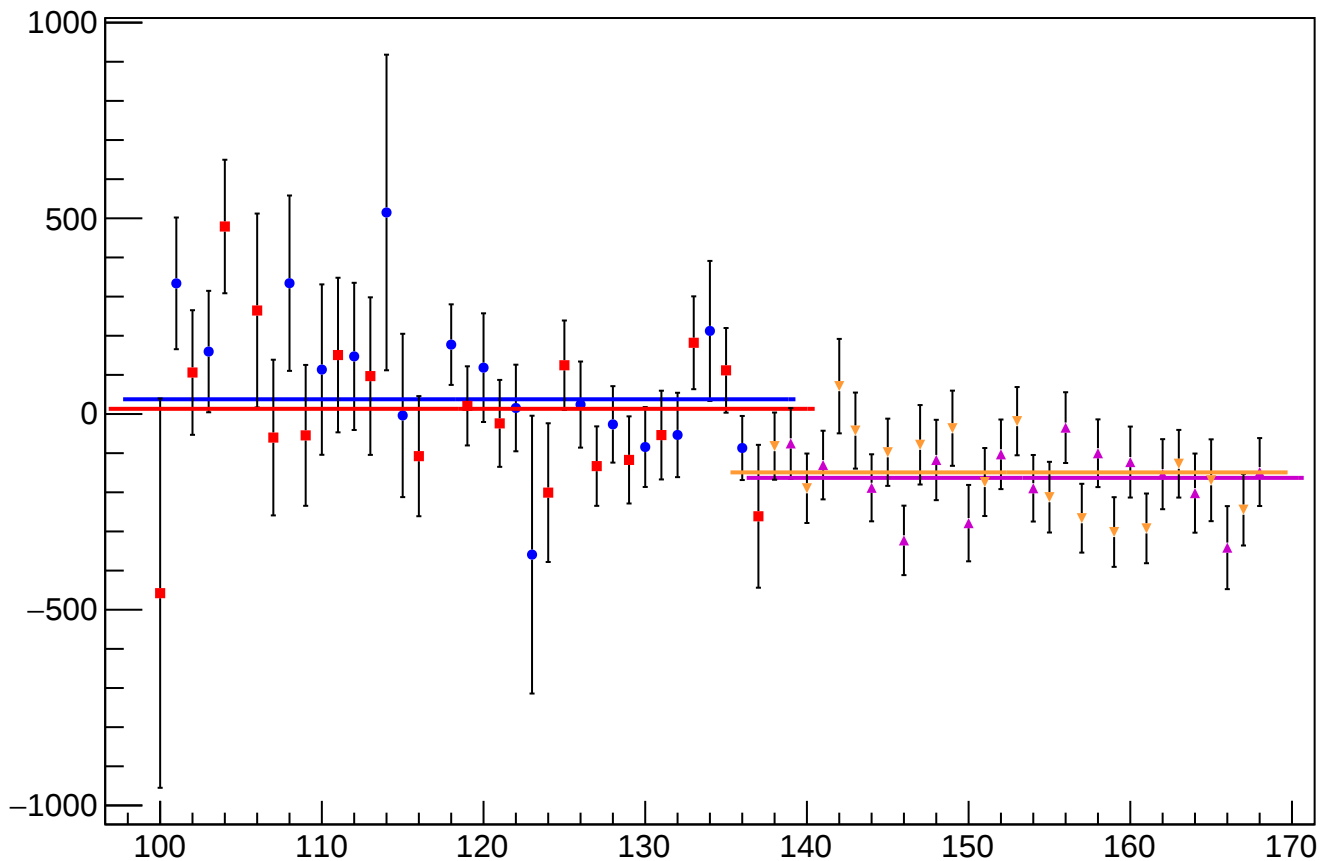
Right: 0.005+/-0.000 χ^2/NDF : 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF : 1919517.8/31

Out: 0.006+/-0.000 χ^2/NDF : 2551184.1/34

All: 0.006+/-0.000 χ^2/NDF : 4478697.6/66

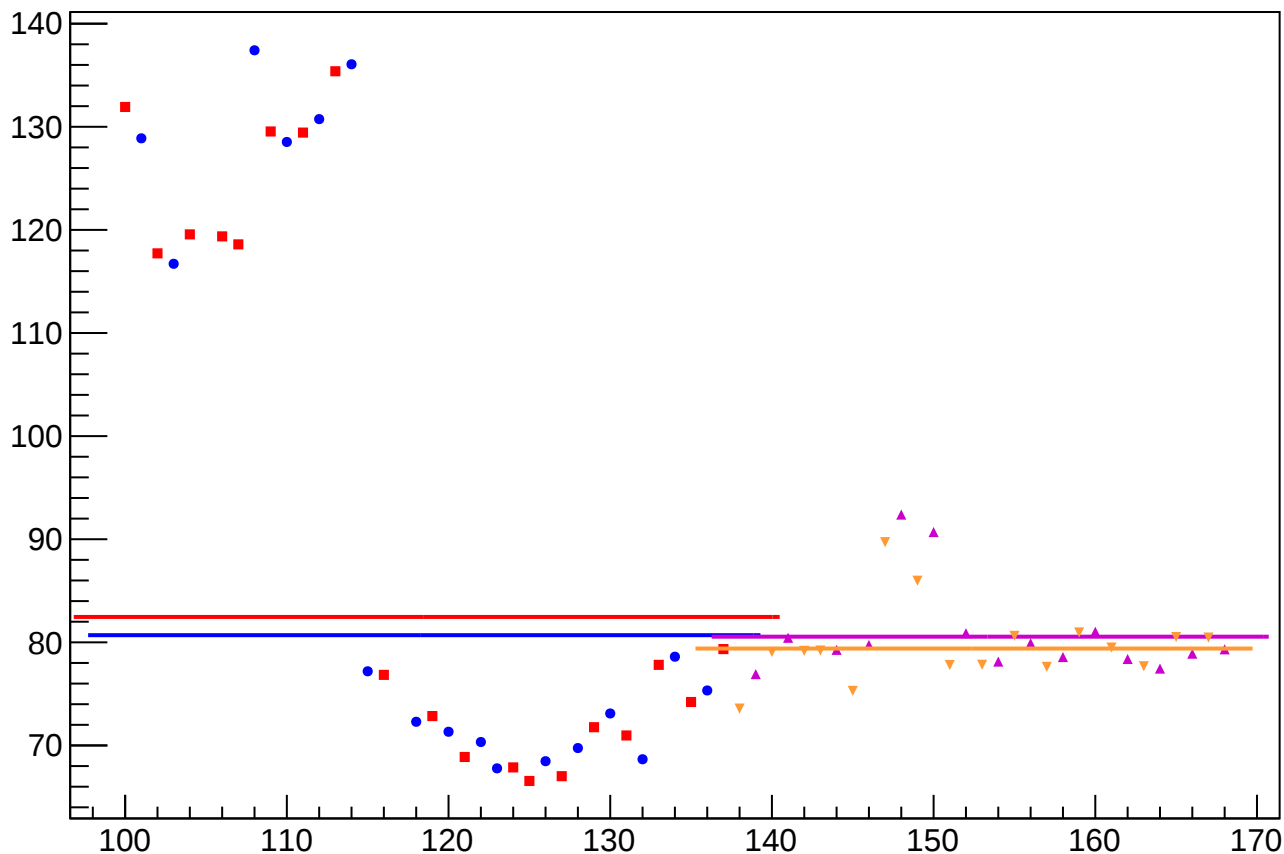
reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$
 Left Out: -149.127 ± 22.992 $\chi^2/\text{NDF}: 18.9/15$
 Right Out: 13.278 ± 32.066 $\chi^2/\text{NDF}: 22.7/18$
 Left In: -163.128 ± 23.552 $\chi^2/\text{NDF}: 12.3/14$

Left: -155.960 ± 16.452 $\chi^2/\text{NDF}: 31.4/30$
 Right: 25.415 ± 22.740 $\chi^2/\text{NDF}: 39.7/35$
 In: -93.288 ± 19.021 $\chi^2/\text{NDF}: 54.3/31$
 Out: -93.983 ± 18.685 $\chi^2/\text{NDF}: 58.5/34$
 All: -93.642 ± 13.329 $\chi^2/\text{NDF}: 112.9/66$

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.399 $\pm$ 0.016 χ^2 /NDF: 48279.3/15

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

Left In: 80.548 $\pm$ 0.017 χ^2 /NDF: 58850.1/14

Left: 79.960 $\pm$ 0.012 χ^2 /NDF: 109567.2/30

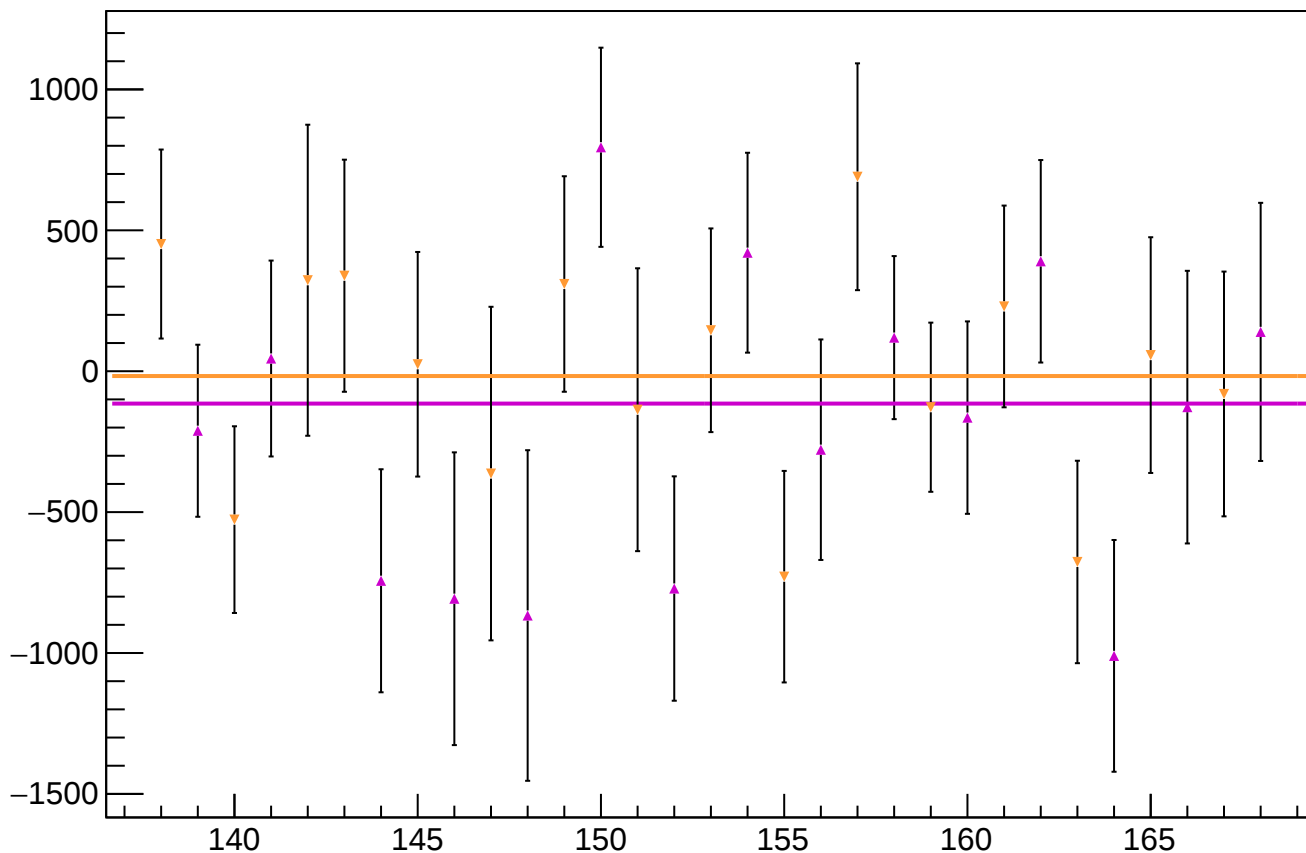
Right: 81.584 $\pm$ 0.016 χ^2 /NDF: 1731931.3/35

In: 80.599 $\pm$ 0.013 χ^2 /NDF: 872903.2/31

Out: 80.440 $\pm$ 0.013 χ^2 /NDF: 975220.7/34

All: 80.518 $\pm$ 0.009 χ^2 /NDF: 1848195.3/66

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -17.122 $\pm$ 97.247 χ^2 /NDF:17.5/15

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

Left In: -114.885 $\pm$ 98.046 χ^2 /NDF:25.8/14

Left: -65.603 $\pm$ 69.045 χ^2 /NDF: 43.8/30

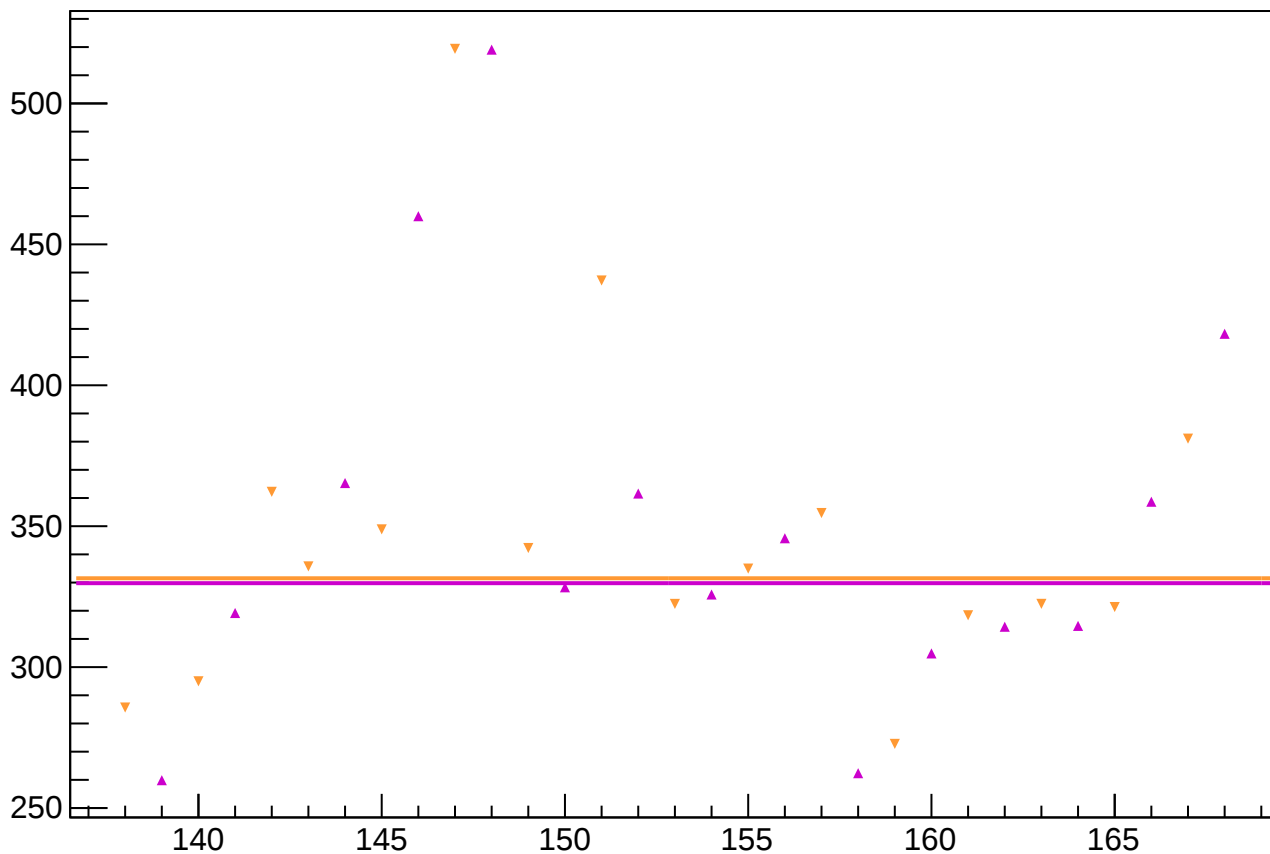
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -114.885 $\pm$ 98.046 χ^2 /NDF:25.8/14

Out: -17.122 $\pm$ 97.247 χ^2 /NDF:17.5/15

All: -65.603 $\pm$ 69.045 χ^2 /NDF: 43.8/30

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 331.524+/-0.069 χ^2/NDF : 479483.6/15

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

Left In: 329.786+/-0.069 χ^2/NDF : 680670.4/14

Left: 330.662+/-0.049 χ^2/NDF : 1160471.1/30

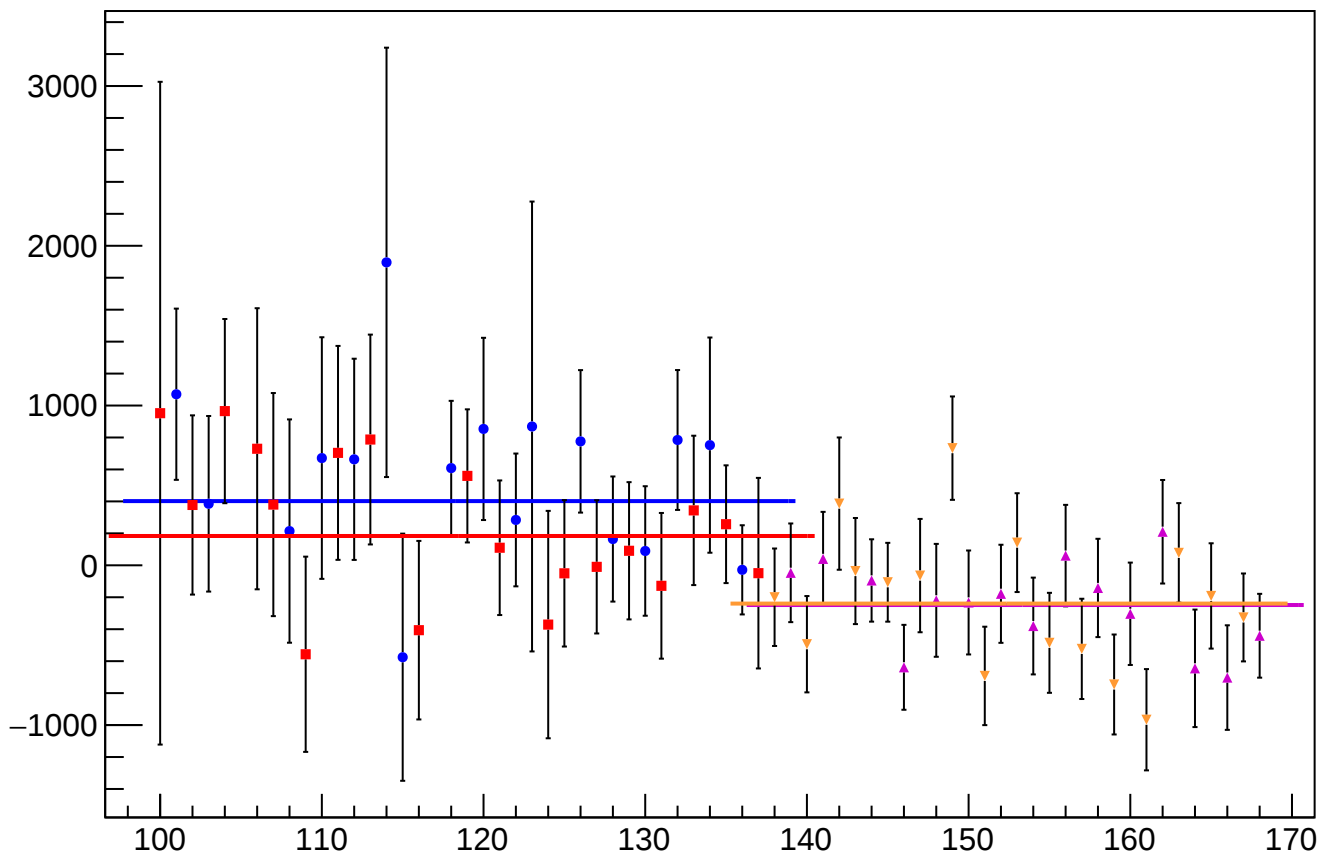
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 329.786+/-0.069 χ^2/NDF : 680670.4/14

Out: 331.524+/-0.069 χ^2/NDF : 479483.6/15

All: 330.662+/-0.049 χ^2/NDF : 1160471.1/30

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -239.657 $\pm$ 77.886 χ^2 /NDF:27.1/15

Right Out: 183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

Left In: -248.607 $\pm$ 78.758 χ^2 /NDF:10.9/14

Left: -244.082 $\pm$ 55.380 χ^2 /NDF: 38.0/30

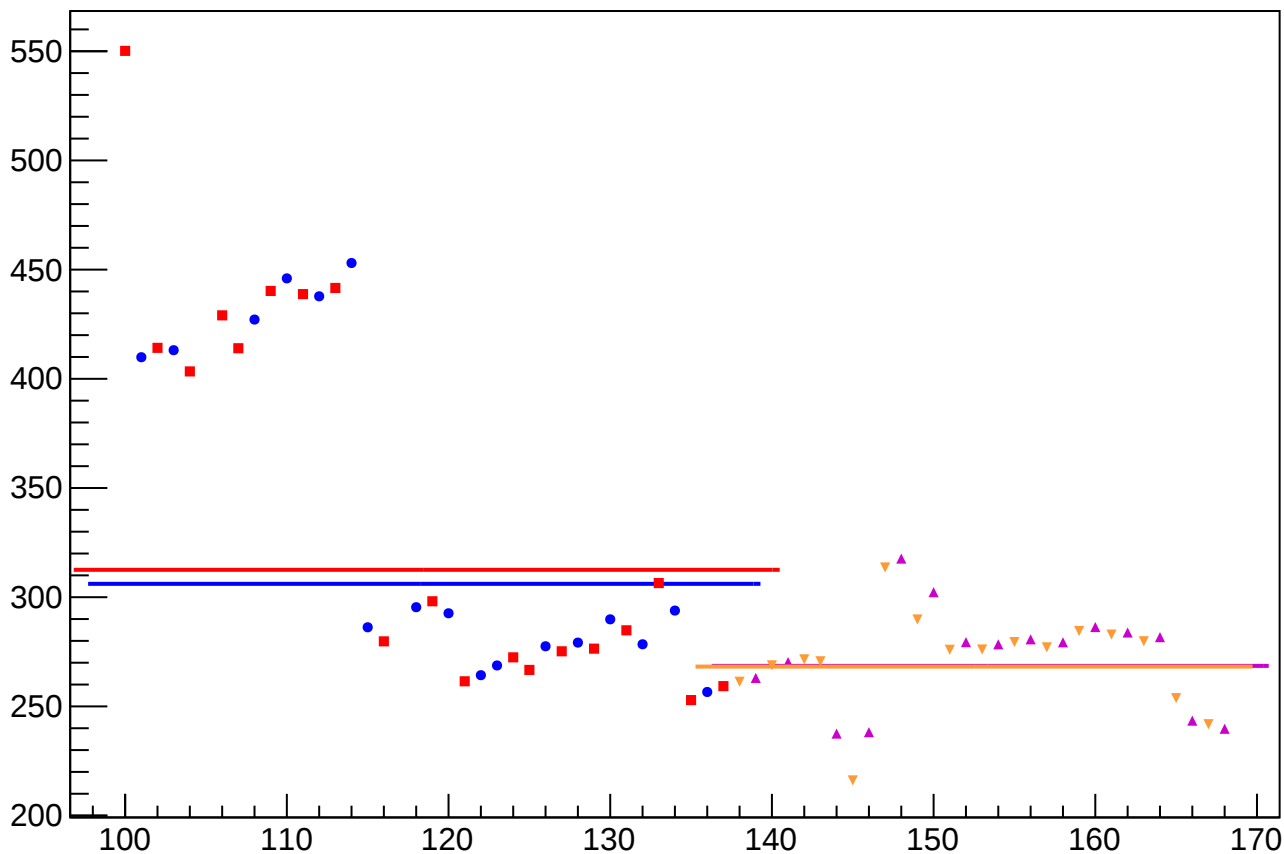
Right: 292.034 $\pm$ 85.342 χ^2 /NDF: 21.9/35

In: -55.139 $\pm$ 66.015 χ^2 /NDF:42.1/31

Out: -114.734 $\pm$ 65.386 χ^2 /NDF:45.2/34

All: -85.222 $\pm$ 46.456 χ^2 /NDF: 87.6/66

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 268.234+/-0.055 χ^2/NDF : 173621.7/15

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

Left In: 268.548+/-0.056 χ^2/NDF : 174980.1/14

Left: 268.389+/-0.039 χ^2/NDF : 348617.8/30

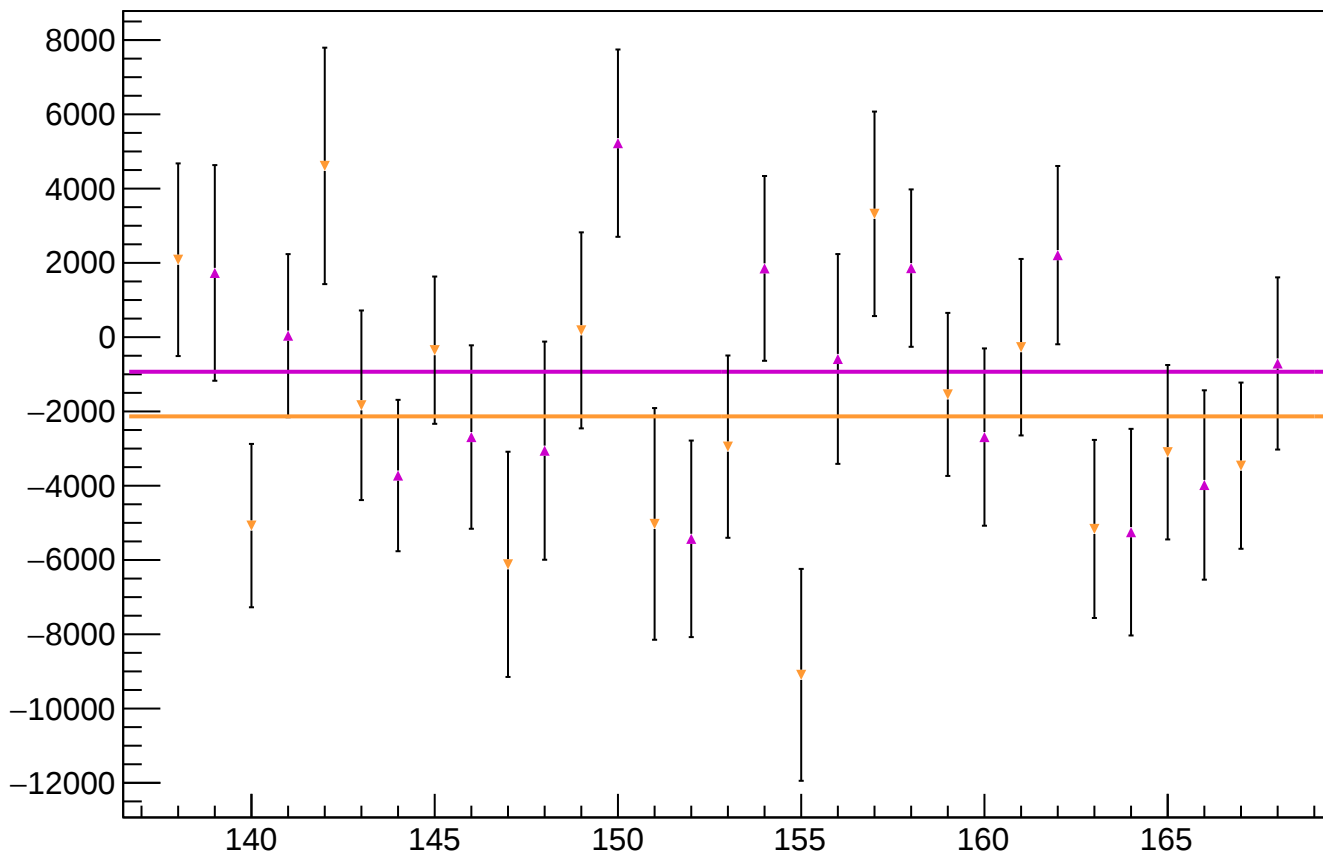
Right: 309.352+/-0.060 χ^2/NDF : 1137034.2/35

In: 279.724+/-0.047 χ^2/NDF : 818816.0/31

Out: 281.315+/-0.046 χ^2/NDF : 990484.3/34

All: 280.527+/-0.033 χ^2/NDF : 1809887.0/66

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2133.012+/-622.876 χ^2/NDF :25.9/15

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

Left In: -931.431+/-635.709 χ^2/NDF :21.9/14

Left: -1544.472+/-444.907 χ^2/NDF : 49.6/30

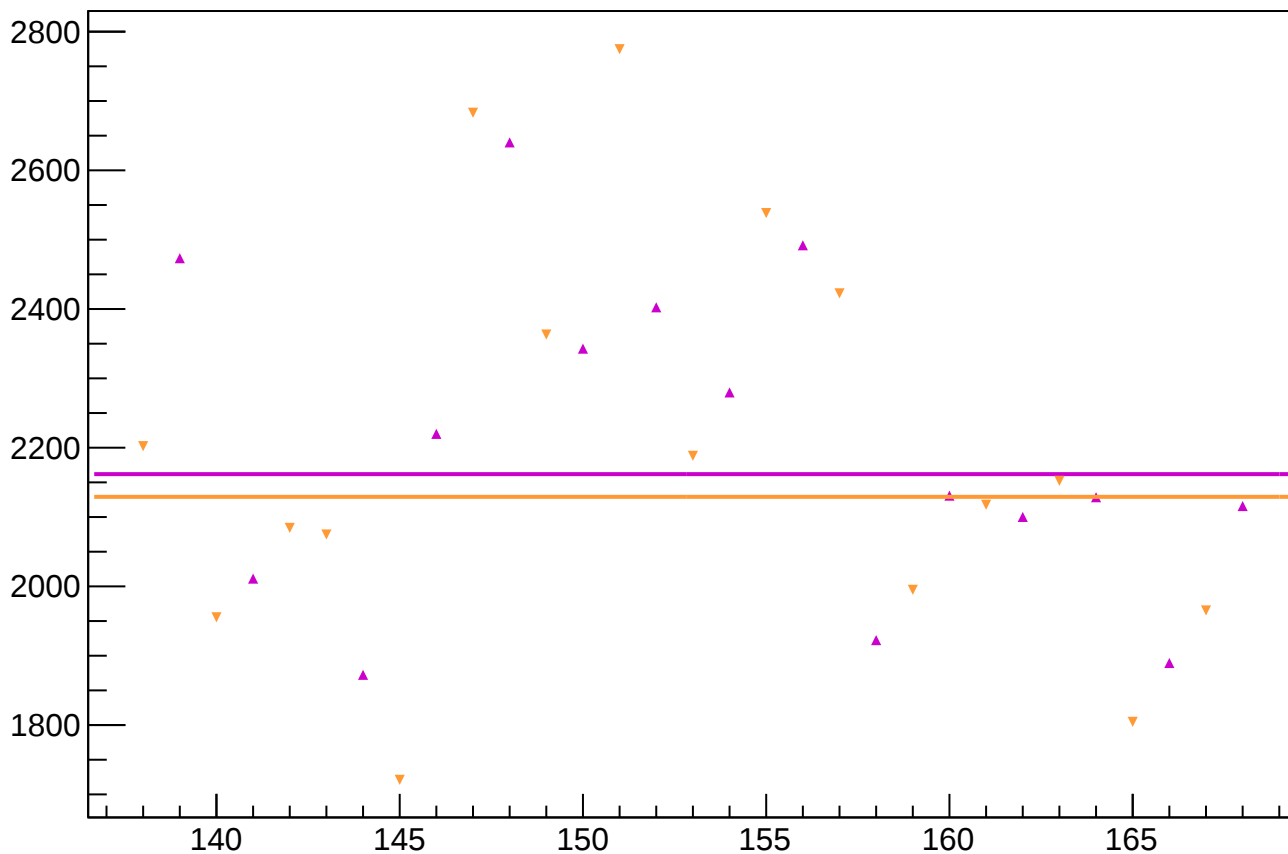
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -931.431+/-635.709 χ^2/NDF :21.9/14

Out: -2133.012+/-622.876 χ^2/NDF :25.9/15

All: -1544.472+/-444.907 χ^2/NDF : 49.6/30

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2129.141+/-0.440 χ^2/NDF :389883.7/15

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

Left In: 2161.876+/-0.450 χ^2/NDF :236642.7/14

Left: 2145.175+/-0.315 χ^2/NDF : 629232.2/30

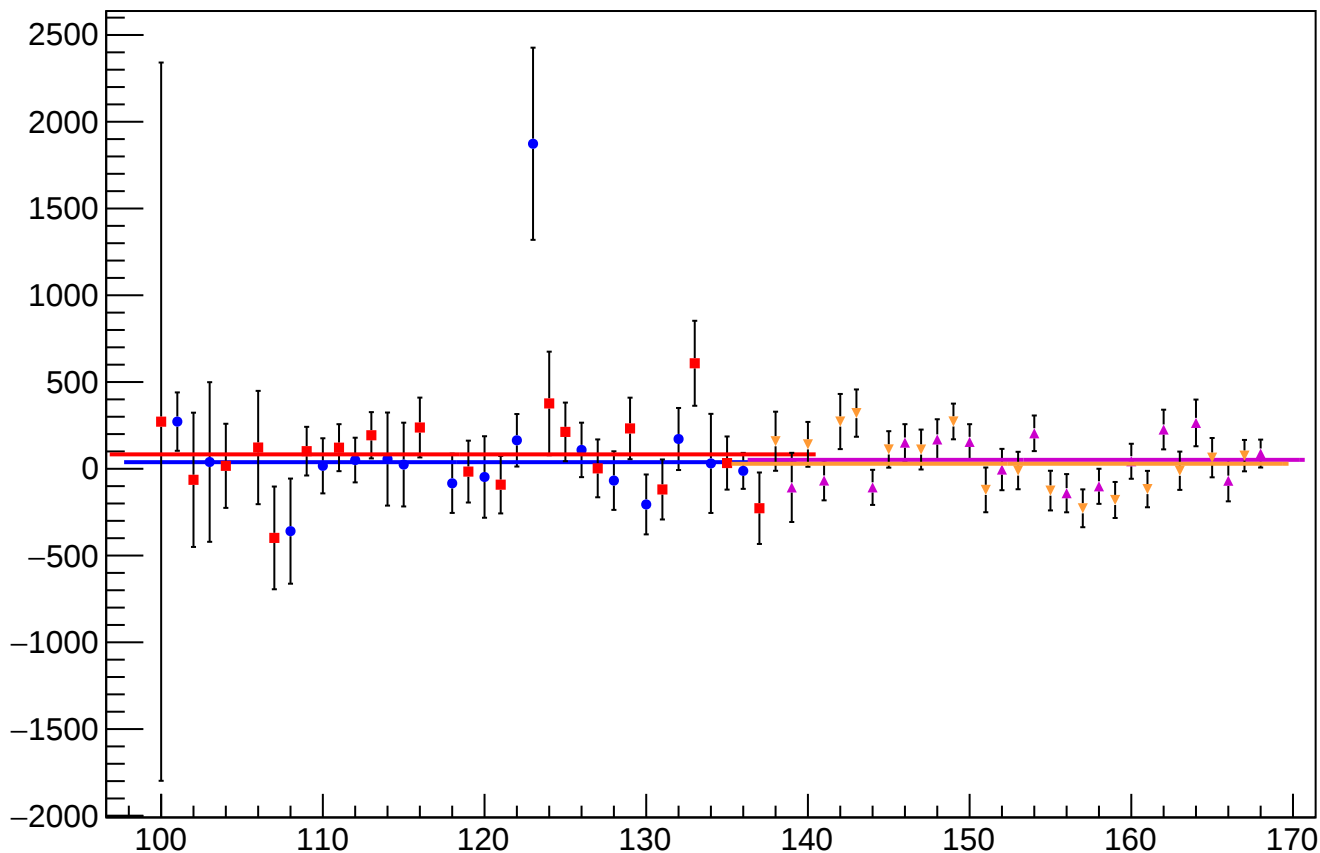
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2161.876+/-0.450 χ^2/NDF :236642.7/14

Out: 2129.141+/-0.440 χ^2/NDF :389883.7/15

All: 2145.175+/-0.315 χ^2/NDF : 629232.2/30

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 ± 43.548 χ^2/NDF : 19.4/16

Left Out: 28.931 ± 28.617 χ^2/NDF : 30.3/15

Right Out: 83.101 ± 43.098 χ^2/NDF : 16.7/18

Left In: 51.511 ± 28.186 χ^2/NDF : 20.9/14

Left: 40.392 ± 20.081 χ^2/NDF : 51.6/30

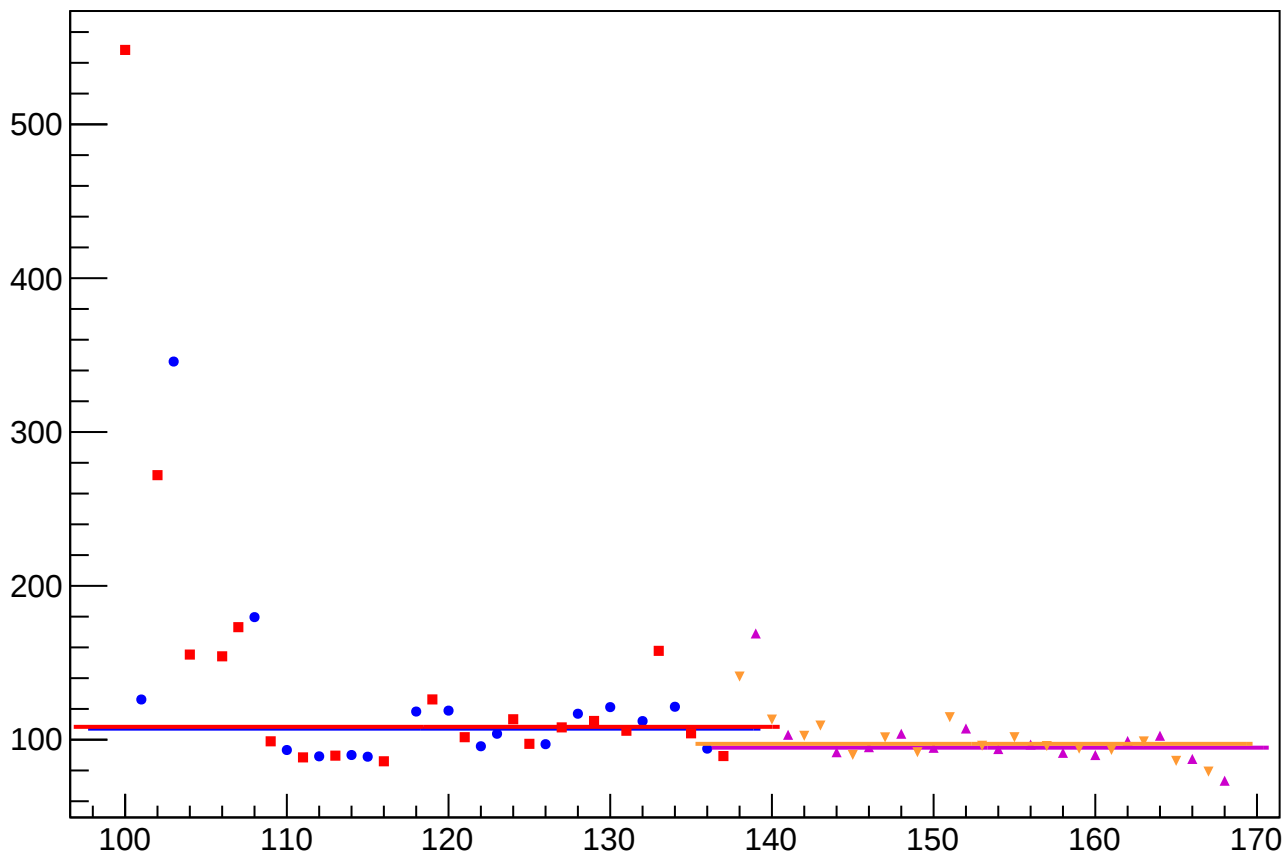
Right: 60.847 ± 30.633 χ^2/NDF : 36.7/35

In: 47.559 ± 23.662 χ^2/NDF : 40.4/31

Out: 45.506 ± 23.840 χ^2/NDF : 48.2/34

All: 46.540 ± 16.794 χ^2/NDF : 88.6/66

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 97.310 $\pm$ 0.020 χ^2 /NDF:339916.8/15

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

Left In: 94.820 $\pm$ 0.020 χ^2 /NDF:491588.5/14

Left: 96.046 $\pm$ 0.014 χ^2 /NDF: 839186.8/30

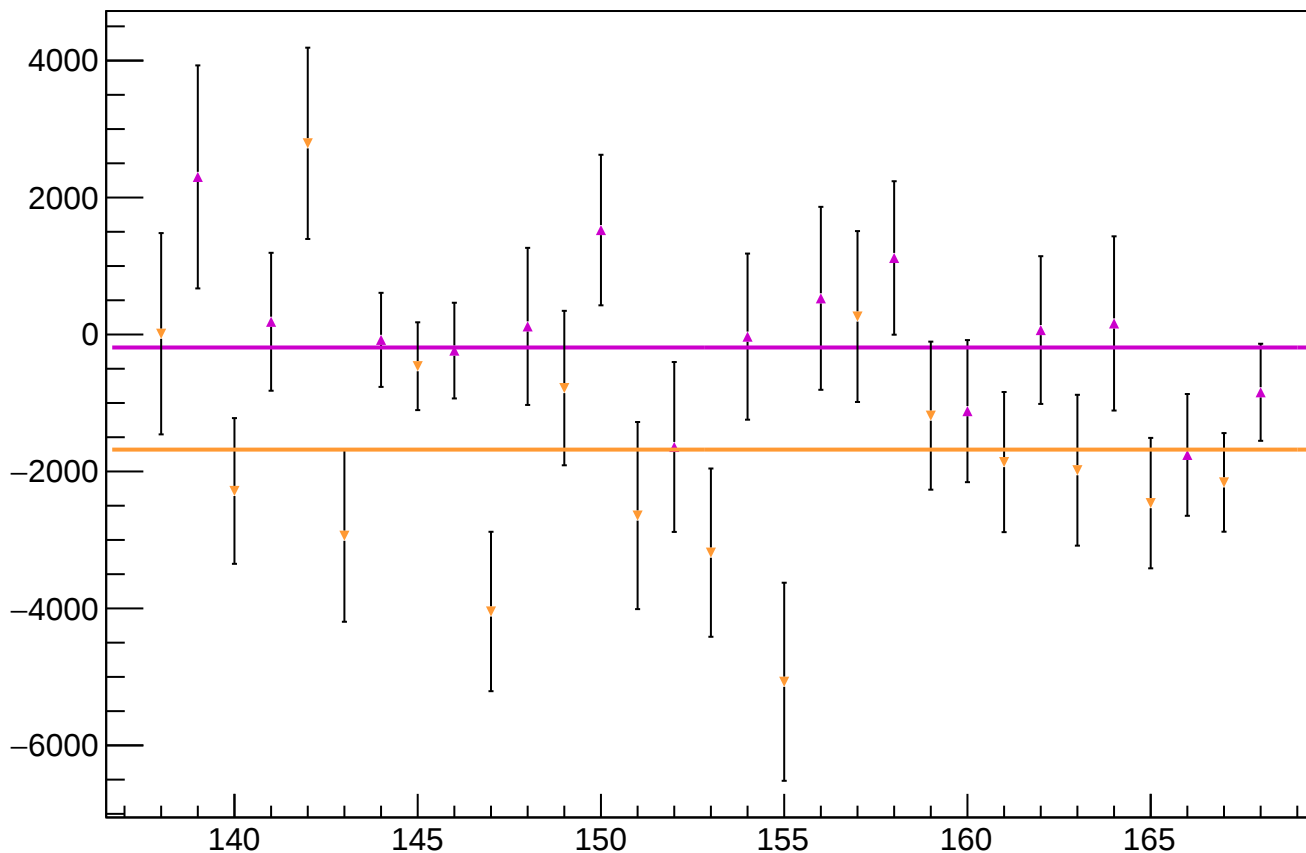
Right: 107.780 $\pm$ 0.022 χ^2 /NDF: 1761132.0/35

In: 98.472 $\pm$ 0.017 χ^2 /NDF:1448408.0/31

Out: 100.691 $\pm$ 0.017 χ^2 /NDF:1348436.4/34

All: 99.573 $\pm$ 0.012 χ^2 /NDF: 2805569.2/66

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1680.726+/-263.220 χ^2/NDF :32.6/15

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

Left In: -189.625+/-254.273 χ^2/NDF :13.0/14

Left: -909.403+/-182.879 χ^2/NDF : 62.2/30

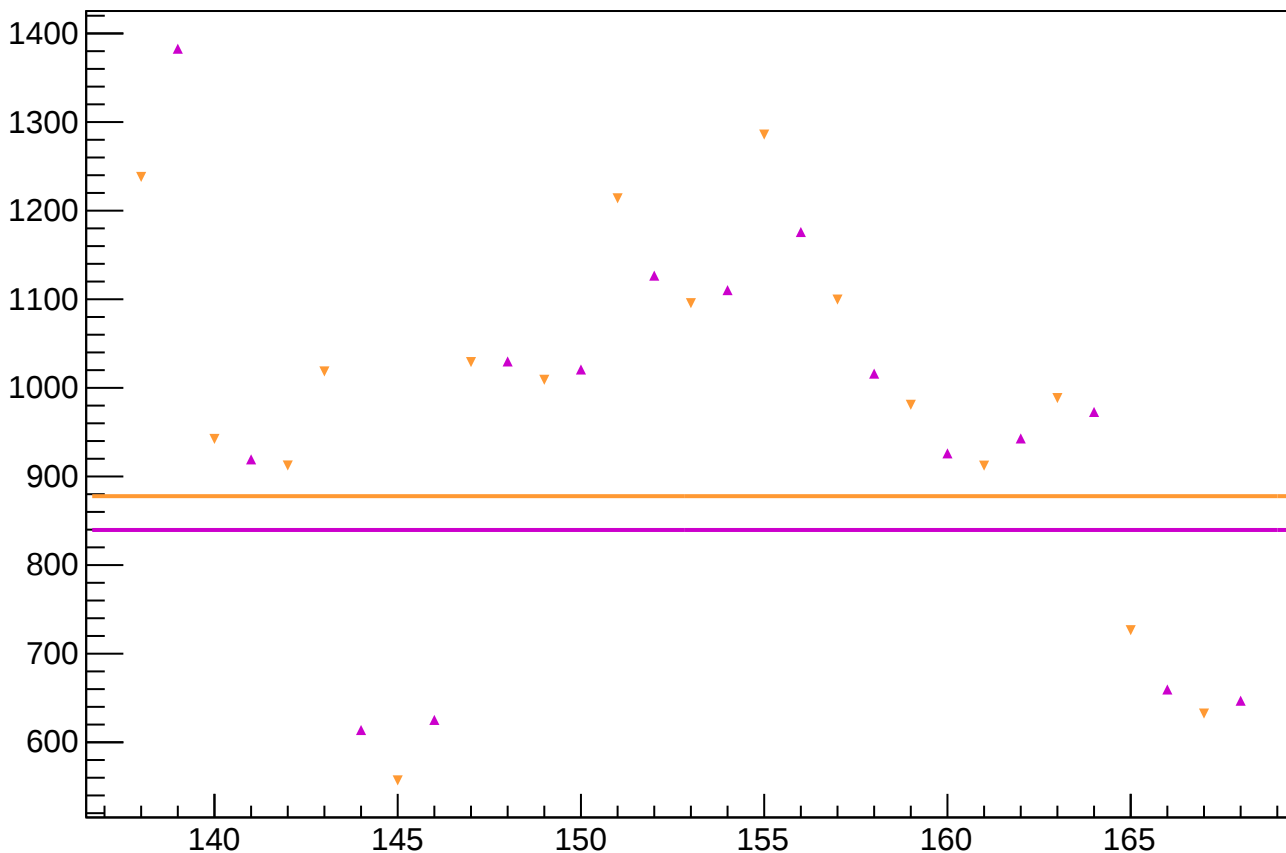
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -189.625+/-254.273 χ^2/NDF :13.0/14

Out: -1680.726+/-263.220 χ^2/NDF :32.6/15

All: -909.403+/-182.879 χ^2/NDF : 62.2/30

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 877.774+/-0.186 χ^2/NDF :1445107.2/15

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

Left In: 839.622+/-0.180 χ^2/NDF :1415646.6/14

Left: 858.039+/-0.129 χ^2/NDF : 2882488.3/30

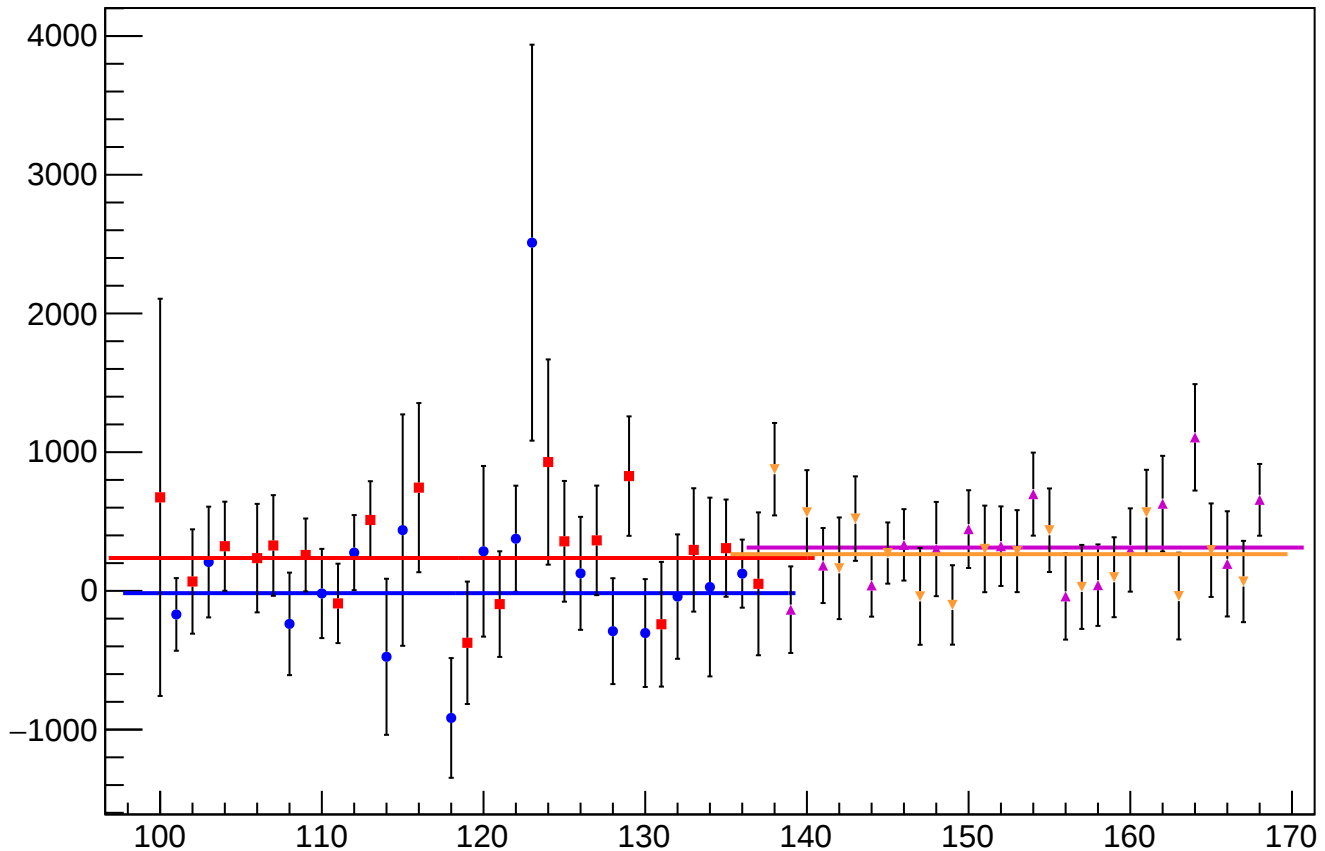
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 839.622+/-0.180 χ^2/NDF :1415646.6/14

Out: 877.774+/-0.186 χ^2/NDF :1445107.2/15

All: 858.039+/-0.129 χ^2/NDF : 2882488.3/30

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 264.706 ± 75.386 $\chi^2/\text{NDF}: 11.2/15$

Right Out: 236.984 ± 88.937 $\chi^2/\text{NDF}: 10.3/18$

Left In: 312.254 ± 75.923 $\chi^2/\text{NDF}: 14.8/14$

Left: 288.311 ± 53.495 $\chi^2/\text{NDF}: 26.2/30$

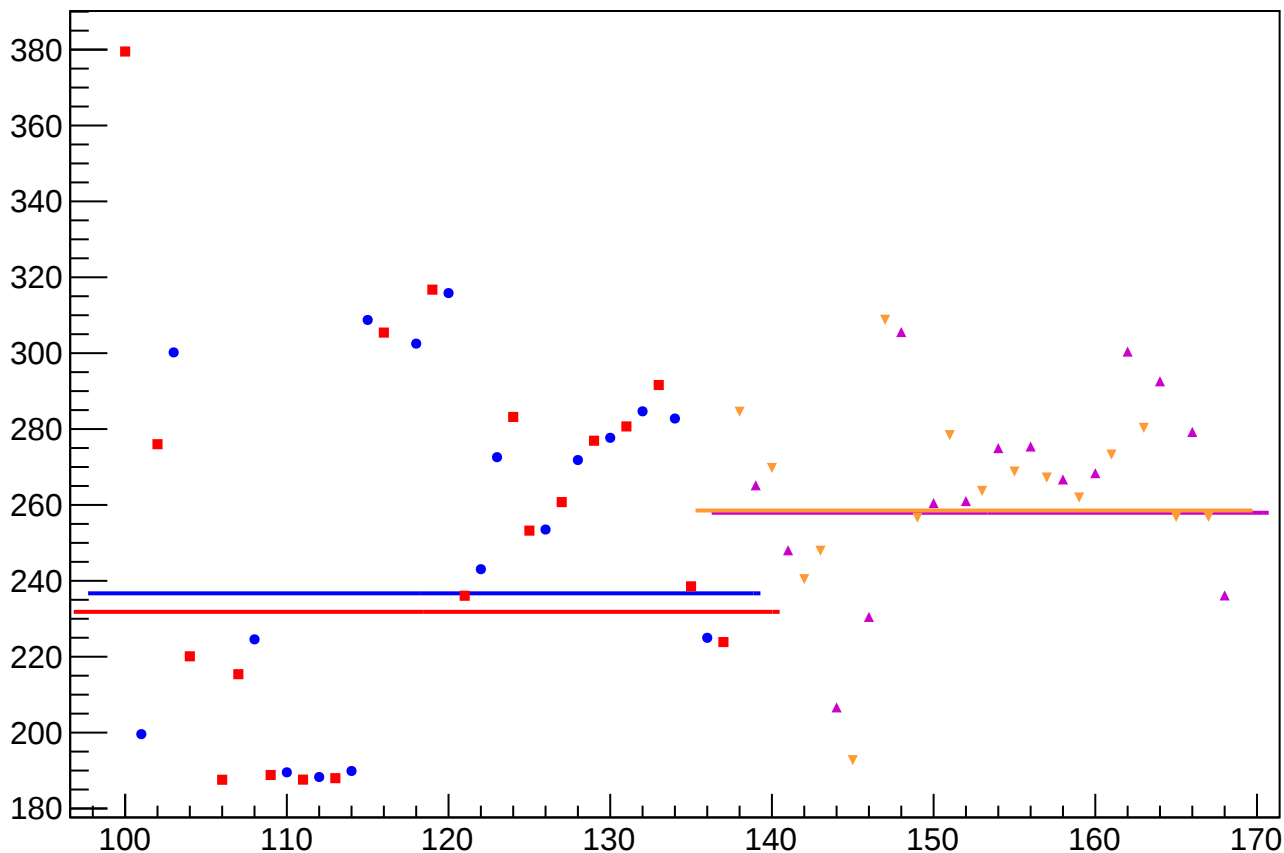
Right: 116.305 ± 64.370 $\chi^2/\text{NDF}: 27.6/35$

In: 181.272 ± 58.885 $\chi^2/\text{NDF}: 35.7/31$

Out: 253.115 ± 57.507 $\chi^2/\text{NDF}: 21.6/34$

All: 218.045 ± 41.142 $\chi^2/\text{NDF}: 58.0/66$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 258.536 $\pm$ 0.053 χ^2 /NDF: 269149.6/15

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

Left In: 257.943 $\pm$ 0.054 χ^2 /NDF: 253754.2/14

Left: 258.241 $\pm$ 0.038 χ^2 /NDF: 522965.2/30

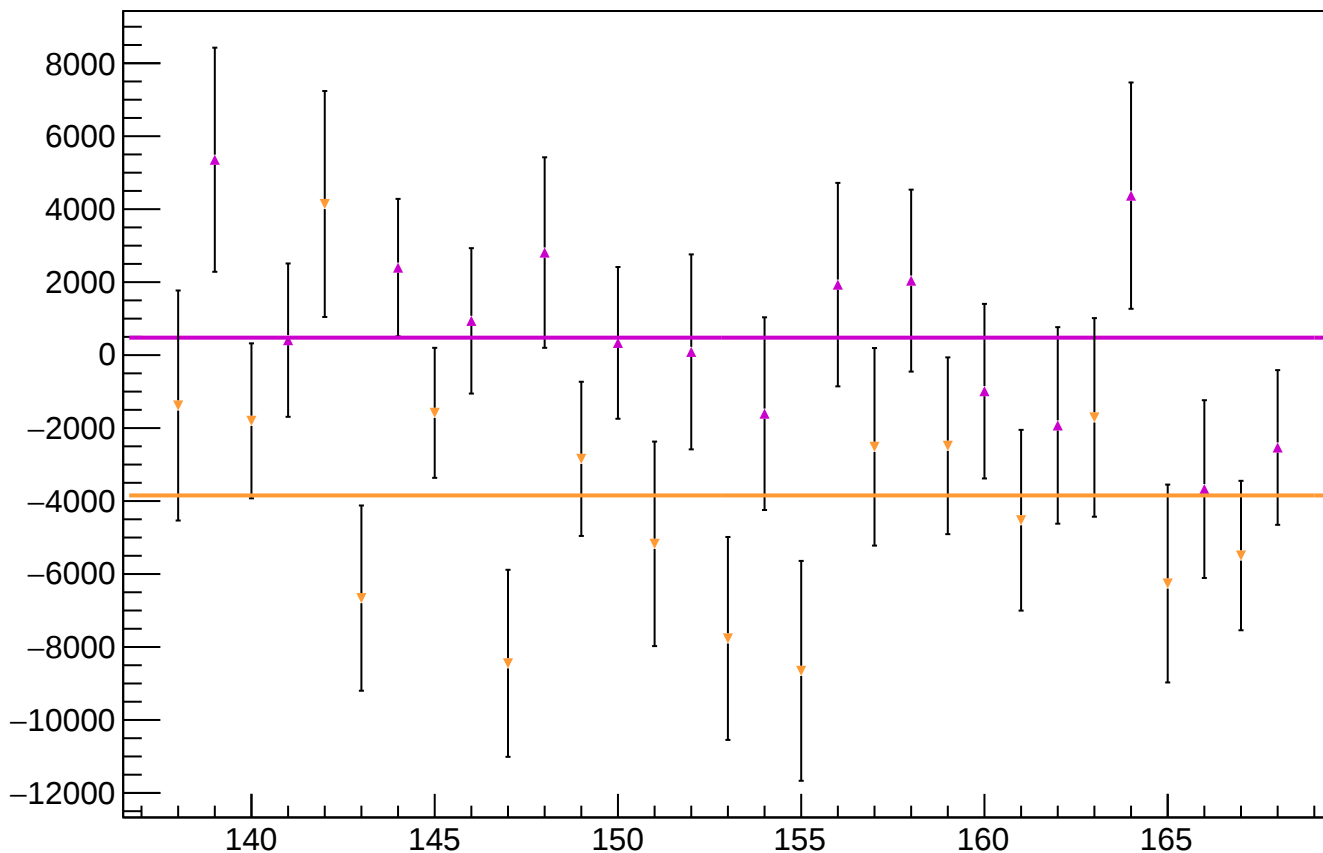
Right: 234.151 $\pm$ 0.046 χ^2 /NDF: 836486.0/35

In: 249.481 $\pm$ 0.042 χ^2 /NDF: 706451.2/31

Out: 247.370 $\pm$ 0.041 χ^2 /NDF: 817375.6/34

All: 248.400 $\pm$ 0.029 χ^2 /NDF: 1525142.9/66

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3845.824+/-617.910 χ^2/NDF :21.9/15

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

Left In: 478.421+/-617.263 χ^2/NDF :13.4/14

Left: -1681.437+/-436.700 χ^2/NDF : 59.8/30

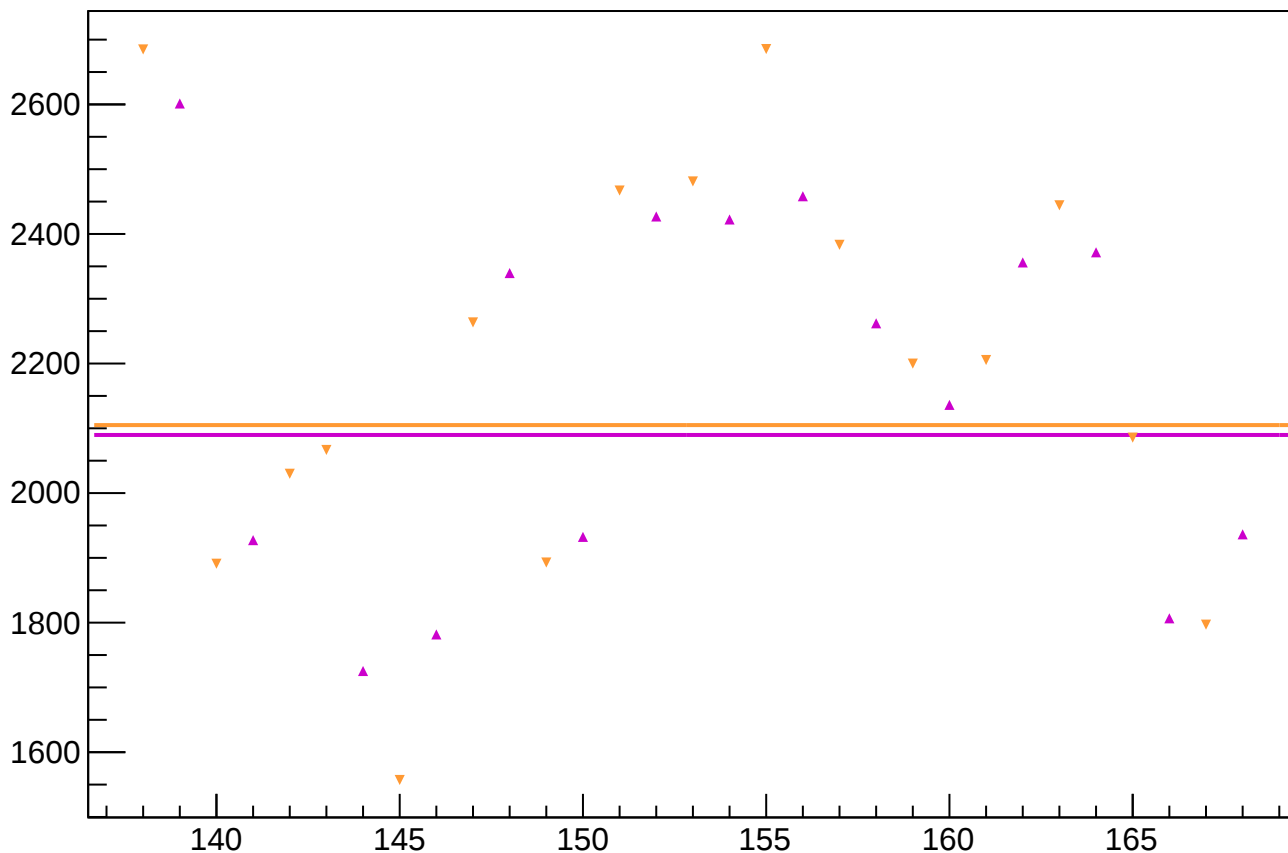
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 478.421+/-617.263 χ^2/NDF :13.4/14

Out: -3845.824+/-617.910 χ^2/NDF :21.9/15

All: -1681.437+/-436.700 χ^2/NDF : 59.8/30

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2104.972+/-0.437 χ^2/NDF :554691.4/15

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

Left In: 2089.717+/-0.436 χ^2/NDF :402238.3/14

Left: 2097.336+/-0.309 χ^2/NDF : 957539.8/30

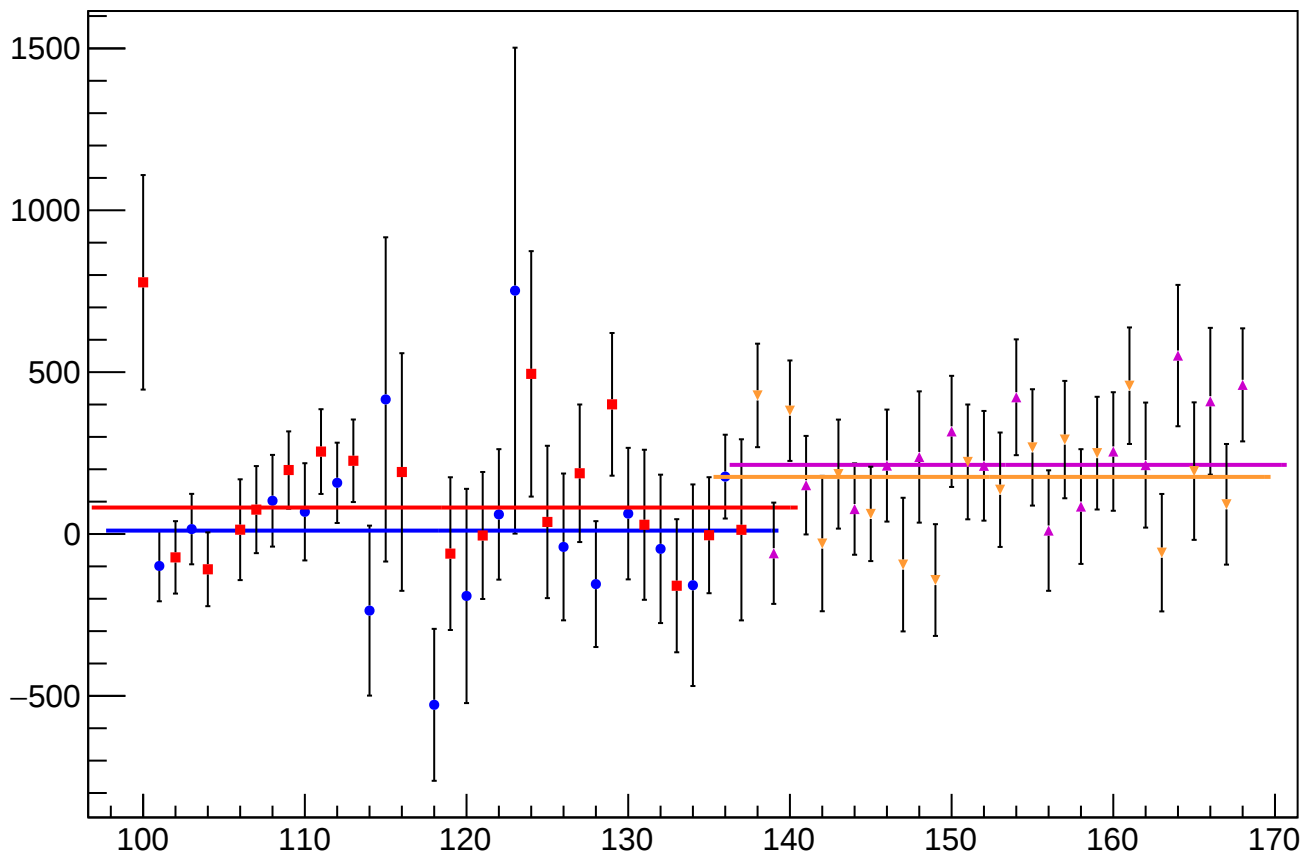
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2089.717+/-0.436 χ^2/NDF :402238.3/14

Out: 2104.972+/-0.437 χ^2/NDF :554691.4/15

All: 2097.336+/-0.309 χ^2/NDF : 957539.8/30

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2 /NDF: 14.1/16

Left Out: 176.417 $\pm$ 44.134 χ^2 /NDF:16.2/15

Right Out: 81.802 $\pm$ 38.985 χ^2 /NDF: 19.2/18

Left In: 213.591 $\pm$ 45.521 χ^2 /NDF:12.8/14

Left: 194.429 $\pm$ 31.687 χ^2 /NDF: 29.4/30

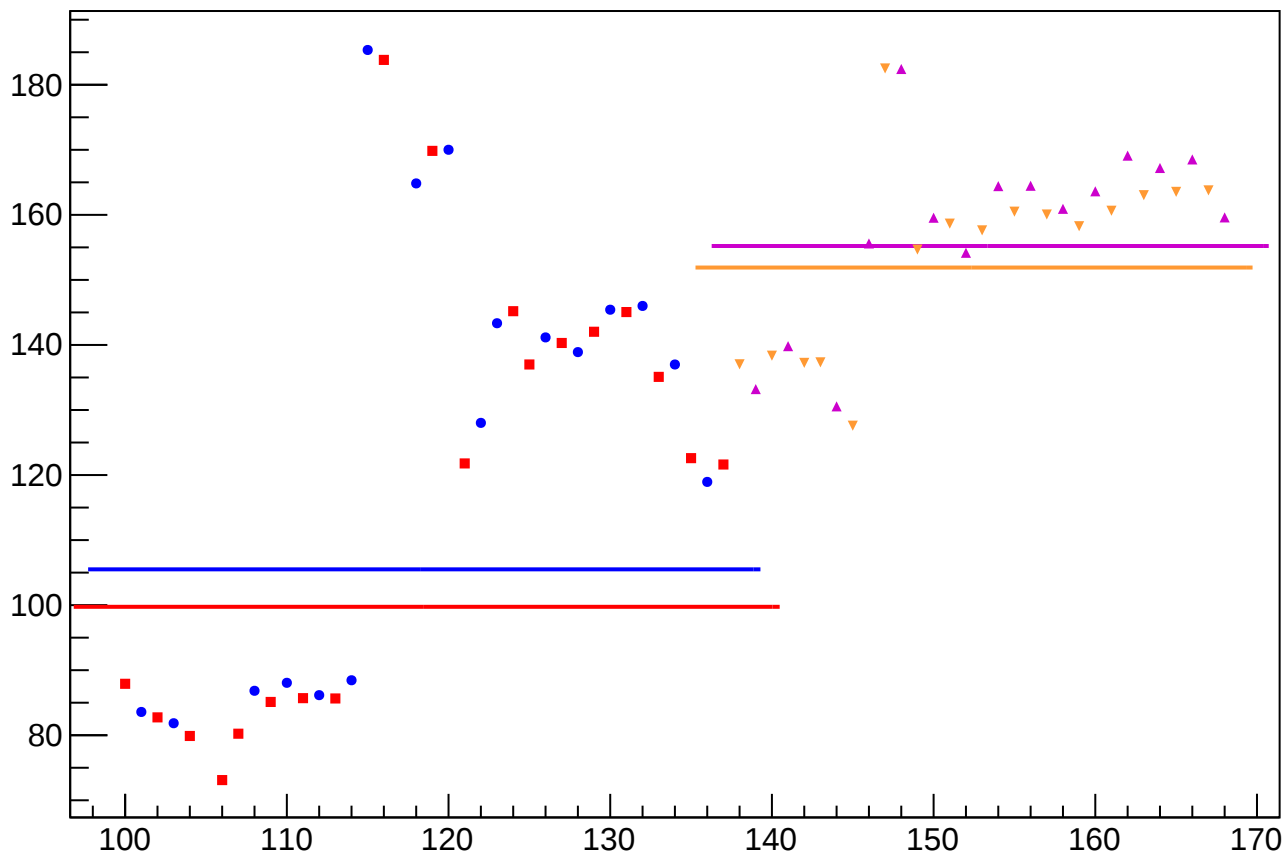
Right: 49.063 $\pm$ 28.665 χ^2 /NDF: 34.8/35

In: 104.610 $\pm$ 30.985 χ^2 /NDF:37.5/31

Out: 123.270 $\pm$ 29.218 χ^2 /NDF:38.0/34

All: 114.487 $\pm$ 21.257 χ^2 /NDF: 75.7/66

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 151.902 $\pm$ 0.031 χ^2 /NDF:200168.3/15

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

Left In: 155.213 $\pm$ 0.032 χ^2 /NDF:199540.2/14

Left: 153.506 $\pm$ 0.022 χ^2 /NDF: 405163.0/30

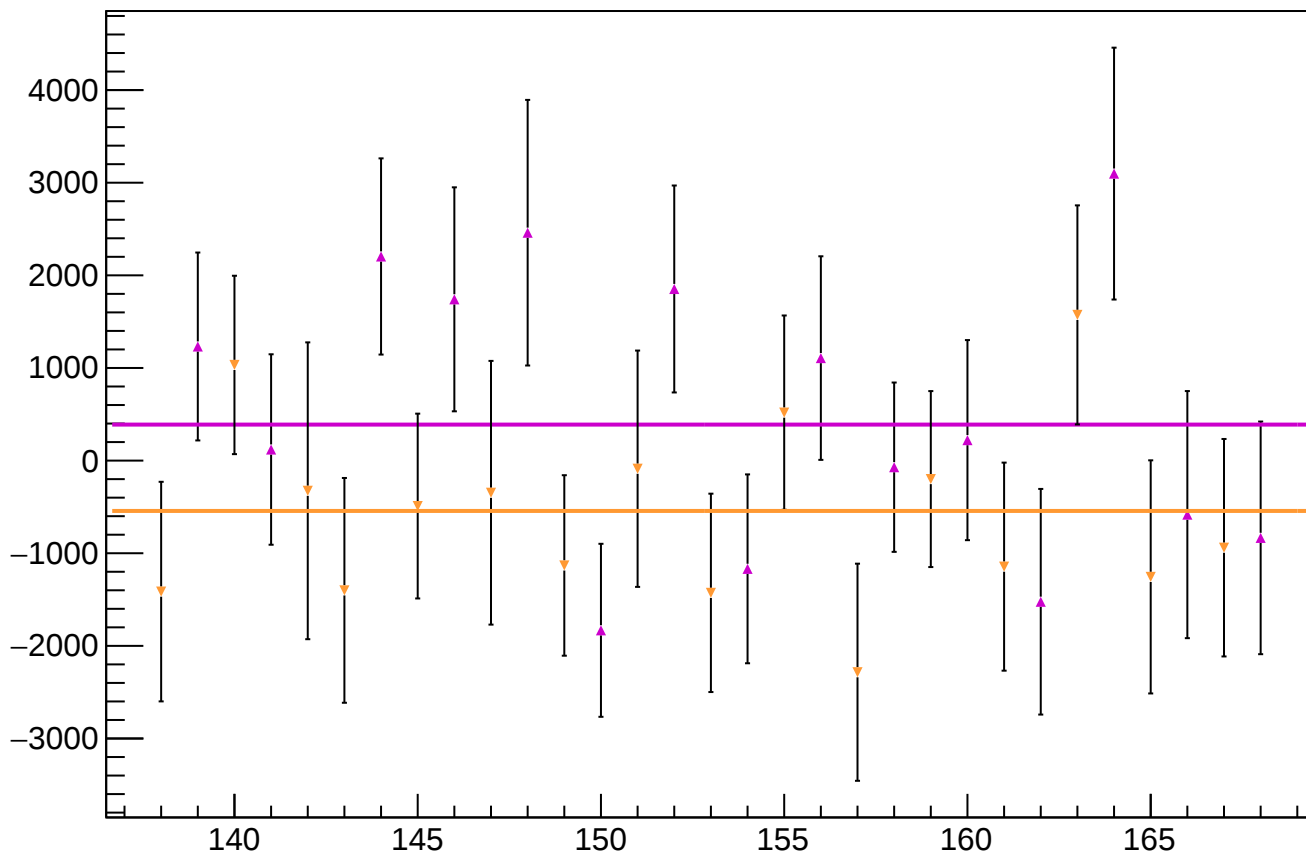
Right: 102.389 $\pm$ 0.020 χ^2 /NDF: 1889165.6/35

In: 128.534 $\pm$ 0.022 χ^2 /NDF:2348607.8/31

Out: 122.604 $\pm$ 0.021 χ^2 /NDF:2769297.2/34

All: 125.395 $\pm$ 0.015 χ^2 /NDF: 5156677.6/66

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -543.438+/-282.731 χ^2/NDF : 12.2/15

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

Left In: 388.766+/-286.473 χ^2/NDF : 25.4/14

Left: -83.464+/-201.231 χ^2/NDF : 42.9/30

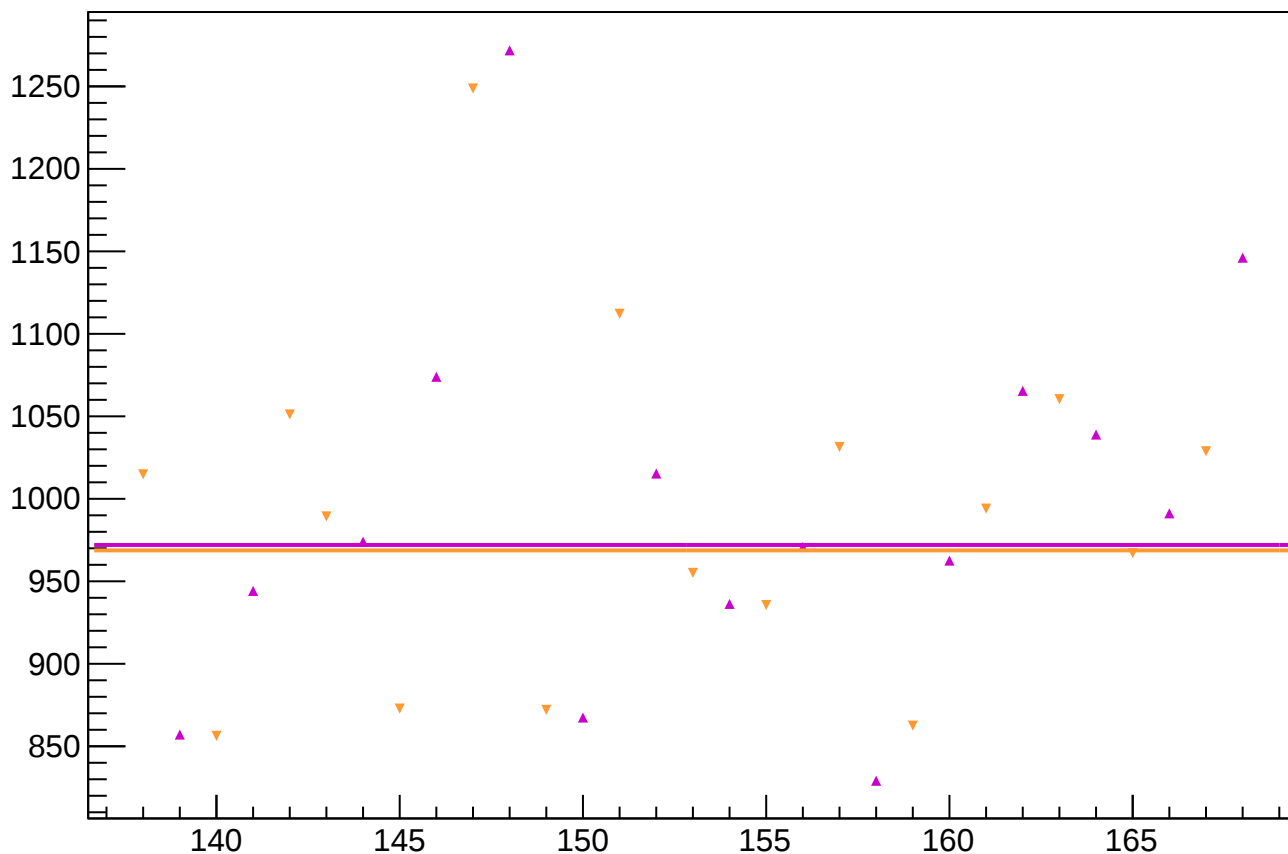
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 388.766+/-286.473 χ^2/NDF : 25.4/14

Out: -543.438+/-282.731 χ^2/NDF : 12.2/15

All: -83.464+/-201.231 χ^2/NDF : 42.9/30

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 968.728+/-0.200 χ^2/NDF :228337.9/15

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

Left In: 972.032+/-0.203 χ^2/NDF :263941.2/14

Left: 970.359+/-0.142 χ^2/NDF : 492413.9/30

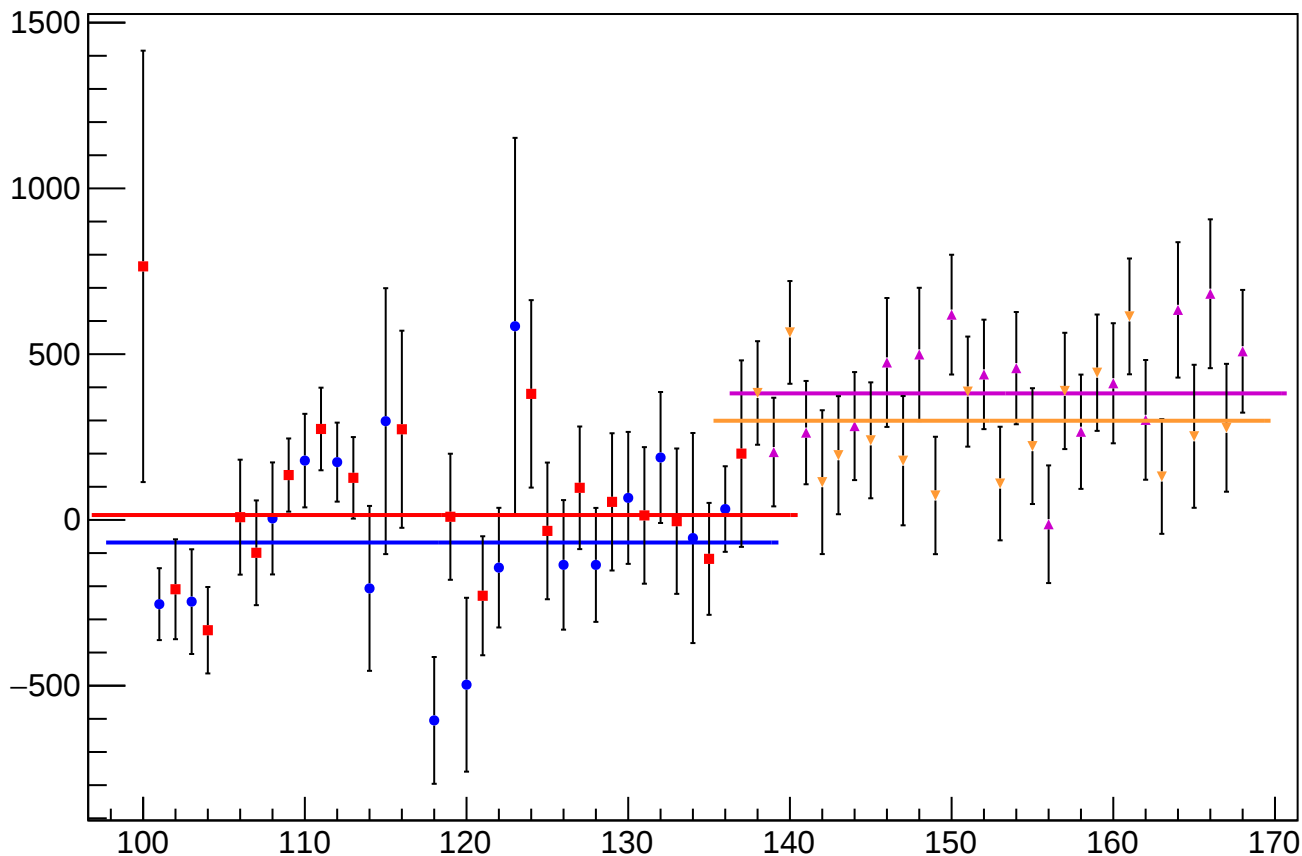
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 972.032+/-0.203 χ^2/NDF :263941.2/14

Out: 968.728+/-0.200 χ^2/NDF :228337.9/15

All: 970.359+/-0.142 χ^2/NDF : 492413.9/30

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111+/-42.265 χ^2/NDF : 27.8/16

Left Out: 299.178+/-44.322 χ^2/NDF :13.3/15

Right Out: 14.800+/-39.467 χ^2/NDF : 23.1/18

Left In: 381.691+/-46.168 χ^2/NDF :14.1/14

Left: 338.752+/-31.973 χ^2/NDF : 29.1/30

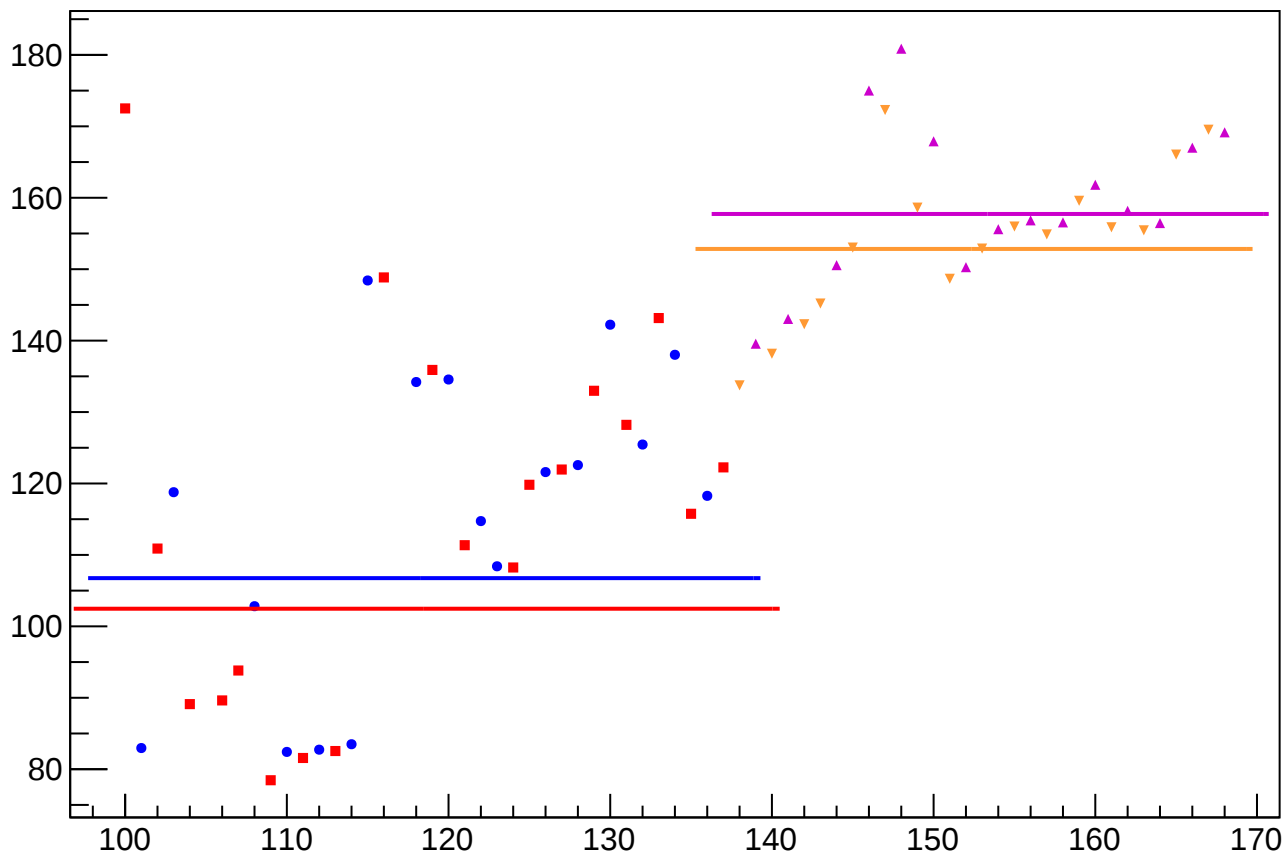
Right: -23.820+/-28.846 χ^2/NDF : 53.0/35

In: 136.977+/-31.175 χ^2/NDF :93.6/31

Out: 140.564+/-29.475 χ^2/NDF :59.4/34

All: 138.871+/-21.418 χ^2/NDF : 153.0/66

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 152.837 $\pm$ 0.031 χ^2 /NDF:106949.7/15

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

Left In: 157.732 $\pm$ 0.033 χ^2 /NDF:111570.0/14

Left: 155.185 $\pm$ 0.023 χ^2 /NDF: 230216.6/30

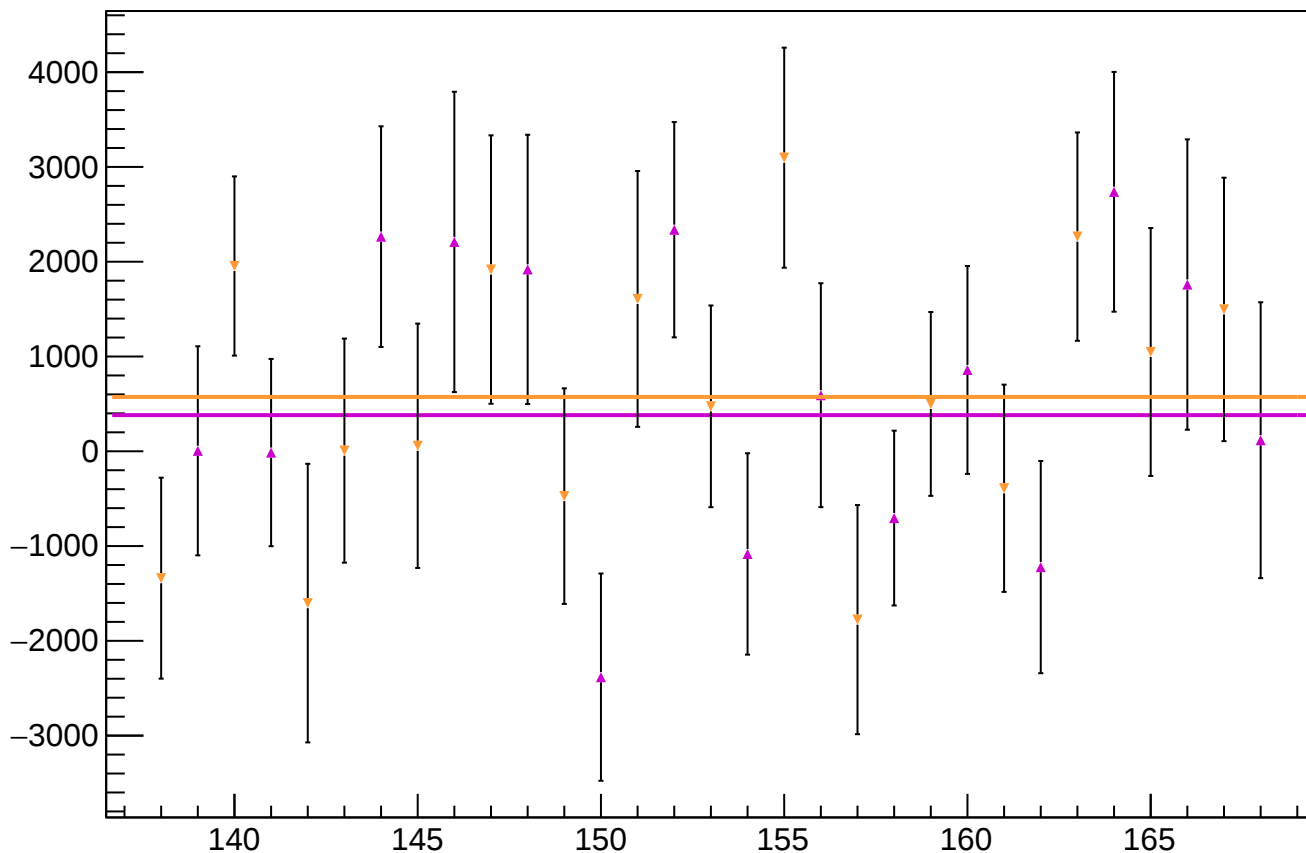
Right: 104.462 $\pm$ 0.020 χ^2 /NDF: 1102055.3/35

In: 129.995 $\pm$ 0.022 χ^2 /NDF:1940150.4/31

Out: 124.743 $\pm$ 0.021 χ^2 /NDF:2137011.7/34

All: 127.222 $\pm$ 0.015 χ^2 /NDF: 4107134.3/66

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 573.240 $\pm$ 291.746 χ^2 /NDF:22.5/15

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

Left In: 381.309 $\pm$ 301.213 χ^2 /NDF:24.6/14

Left: 480.338 $\pm$ 209.563 χ^2 /NDF: 47.4/30

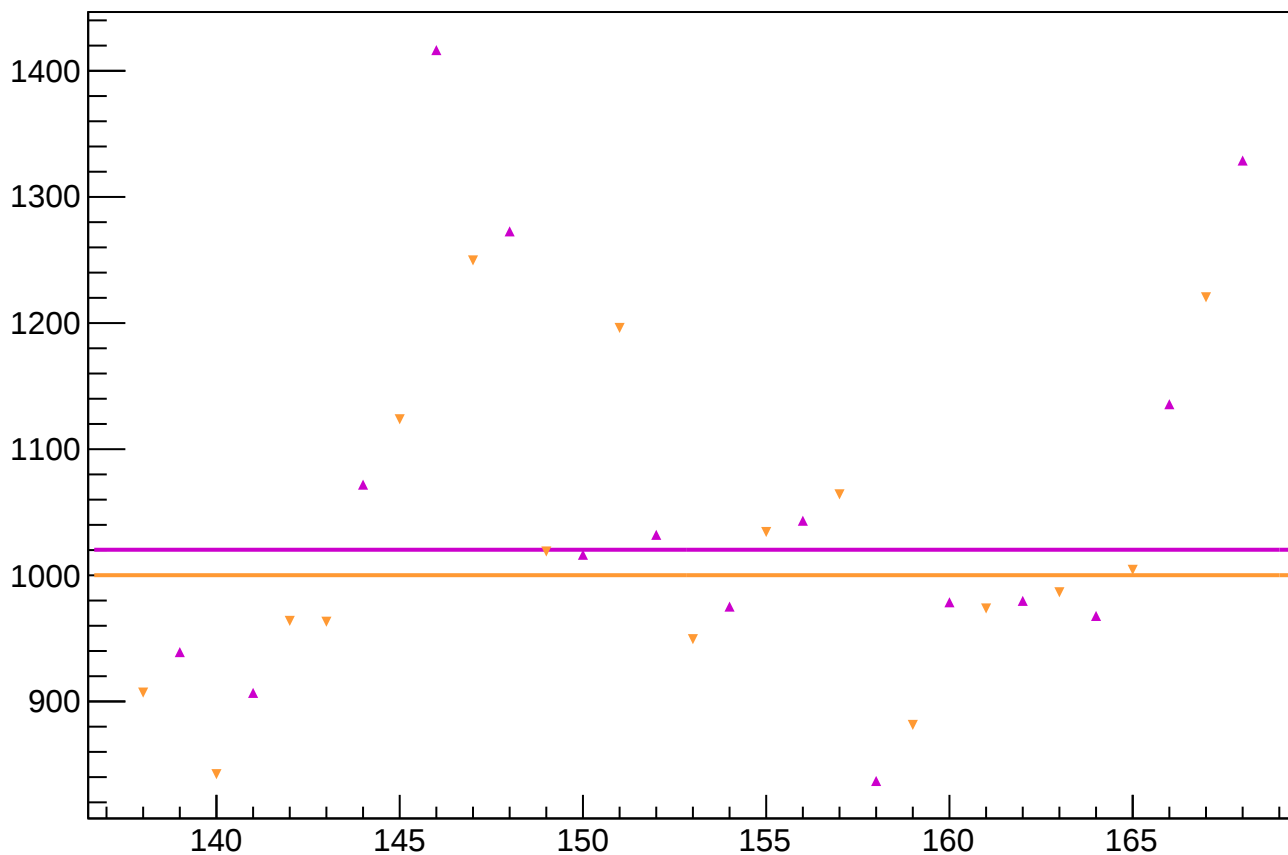
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 381.309 $\pm$ 301.213 χ^2 /NDF:24.6/14

Out: 573.240 $\pm$ 291.746 χ^2 /NDF:22.5/15

All: 480.338 $\pm$ 209.563 χ^2 /NDF: 47.4/30

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1000.098+/-0.206 χ^2/NDF :291147.7/15

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

Left In: 1020.276+/-0.213 χ^2/NDF :423268.1/14

Left: 1009.865+/-0.148 χ^2/NDF : 719046.3/30

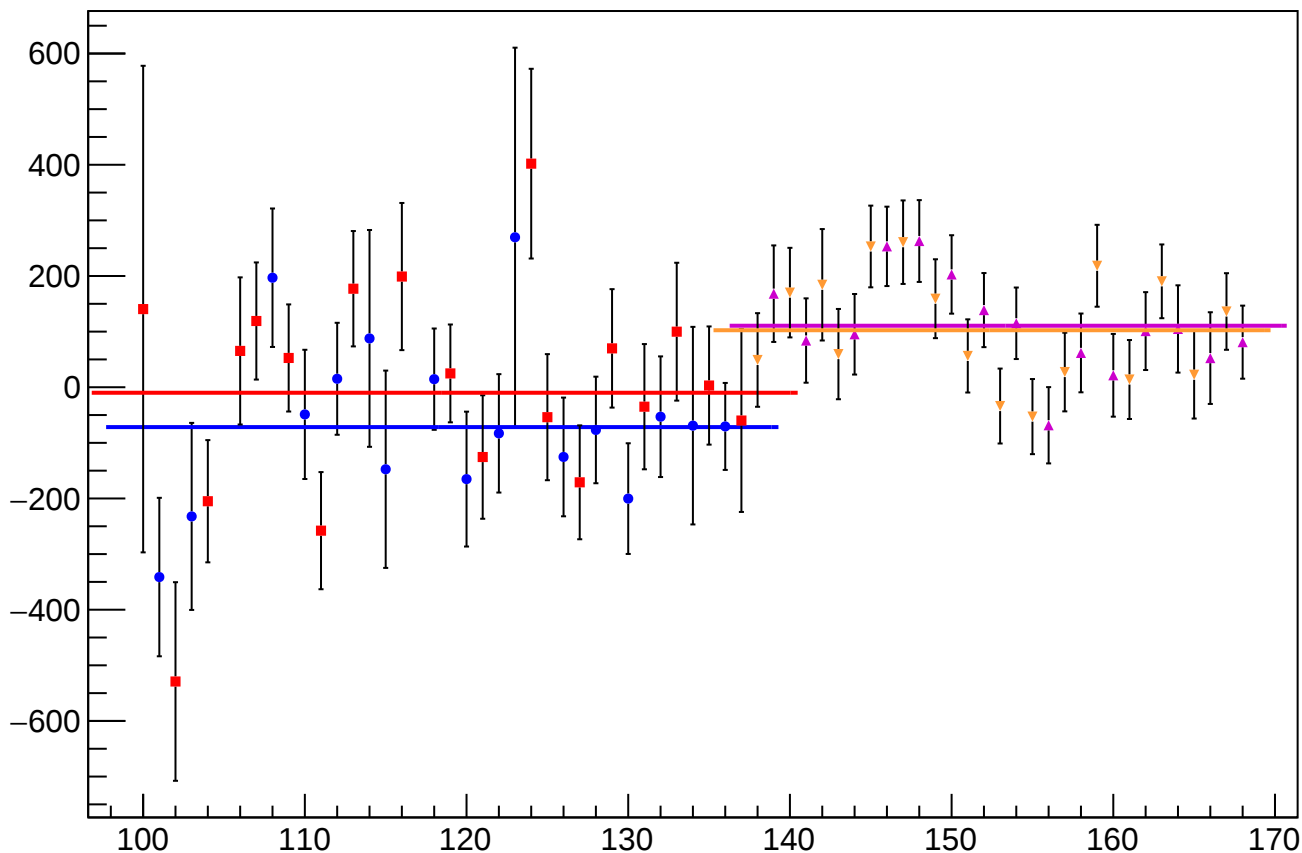
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1020.276+/-0.213 χ^2/NDF :423268.1/14

Out: 1000.098+/-0.206 χ^2/NDF :291147.7/15

All: 1009.865+/-0.148 χ^2/NDF : 719046.3/30

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 $\pm$ 28.358 χ^2 /NDF: 15.2/16

Left Out: 102.483 $\pm$ 18.376 χ^2 /NDF: 29.4/15

Right Out: -9.917 $\pm$ 26.816 χ^2 /NDF: 36.5/18

Left In: 110.583 $\pm$ 18.618 χ^2 /NDF: 20.2/14

Left: 106.480 $\pm$ 13.078 χ^2 /NDF: 49.7/30

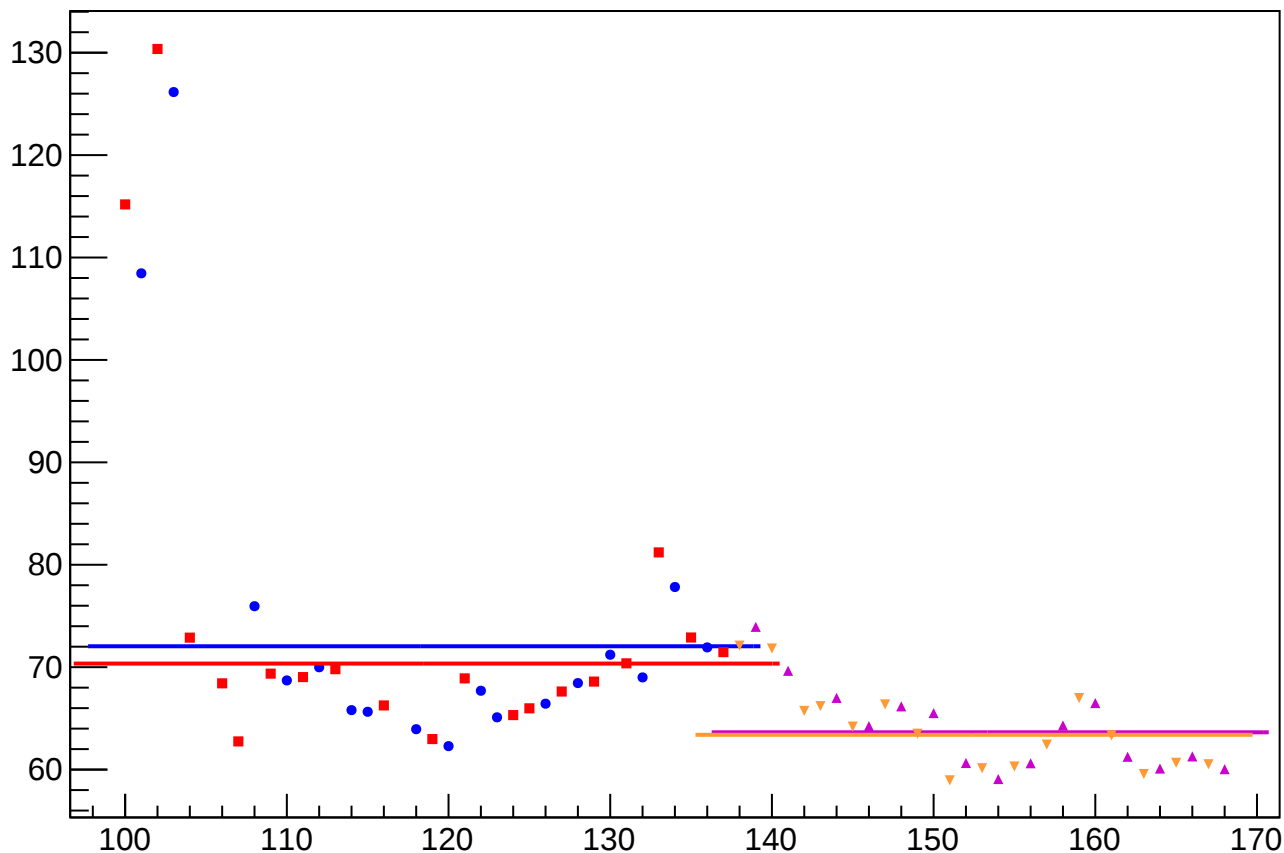
Right: -39.068 $\pm$ 19.484 χ^2 /NDF: 54.2/35

In: 55.689 $\pm$ 15.563 χ^2 /NDF: 64.3/31

Out: 66.567 $\pm$ 15.158 χ^2 /NDF: 77.8/34

All: 61.272 $\pm$ 10.859 χ^2 /NDF: 142.4/66

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 63.397 $\pm$ 0.013 χ^2 /NDF: 85843.0/15

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

Left In: 63.641 $\pm$ 0.013 χ^2 /NDF: 84080.3/14

Left: 63.517 $\pm$ 0.009 χ^2 /NDF: 170097.9/30

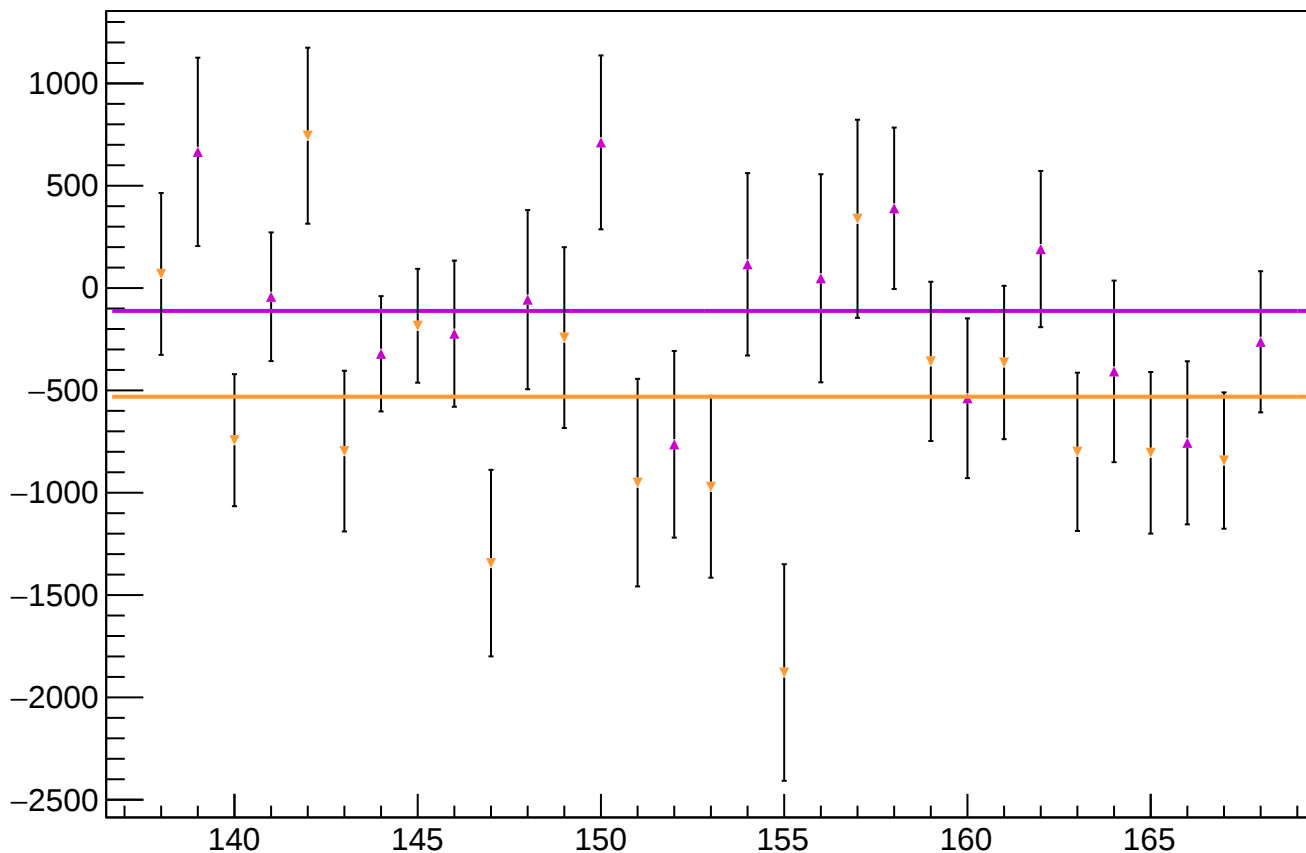
Right: 71.149 $\pm$ 0.014 χ^2 /NDF: 694733.5/35

In: 66.172 $\pm$ 0.011 χ^2 /NDF: 598713.1/31

Out: 65.619 $\pm$ 0.011 χ^2 /NDF: 476371.3/34

All: 65.888 $\pm$ 0.008 χ^2 /NDF: 1076378.8/66

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -530.861+/-98.340 χ^2/NDF :30.8/15

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

Left In: -111.640+/-100.294 χ^2/NDF :16.4/14

Left: -325.374+/-70.217 χ^2/NDF : 56.1/30

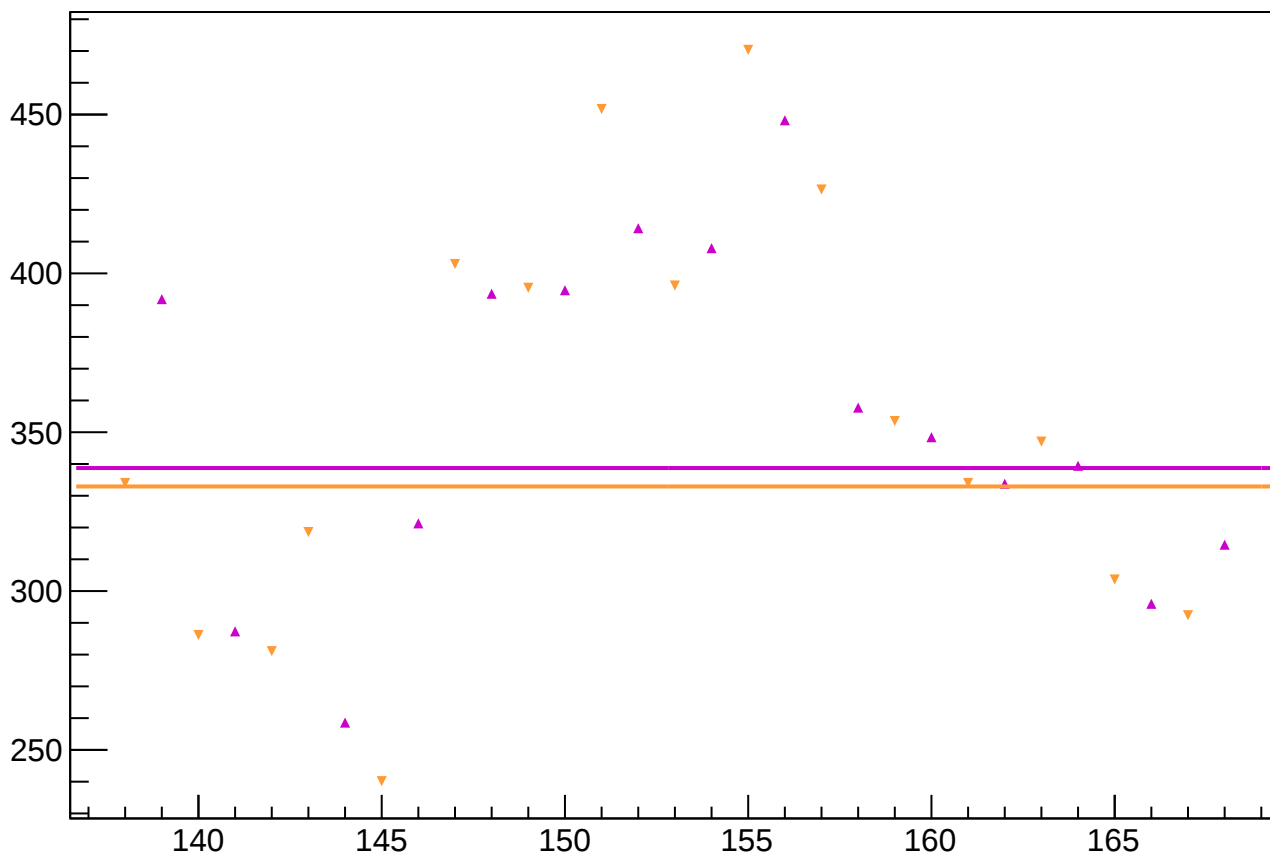
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -111.640+/-100.294 χ^2/NDF :16.4/14

Out: -530.861+/-98.340 χ^2/NDF :30.8/15

All: -325.374+/-70.217 χ^2/NDF : 56.1/30

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 332.928+/-0.070 χ^2/NDF : 792342.6/15

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

Left In: 338.727+/-0.071 χ^2/NDF : 547692.2/14

Left: 335.771+/-0.050 χ^2/NDF : 1343443.3/30

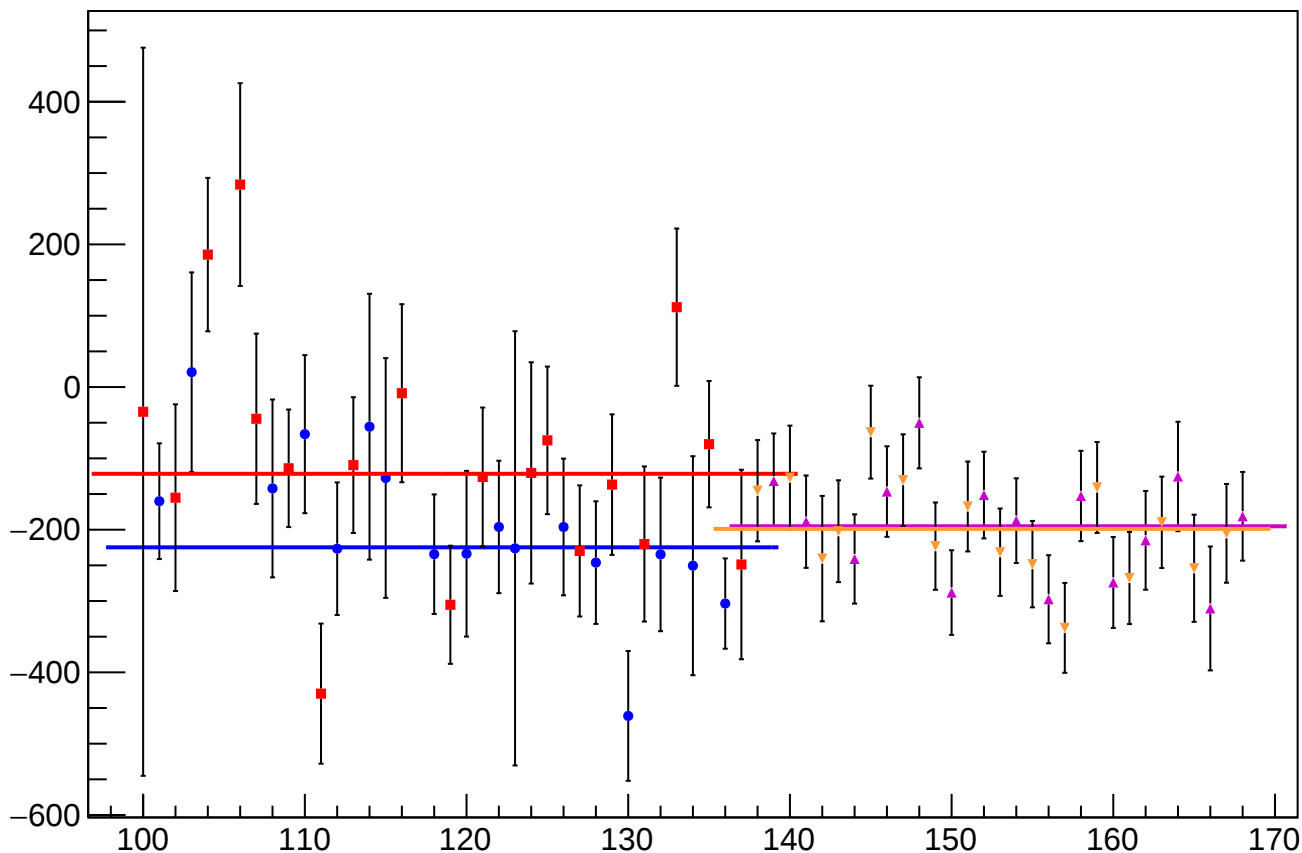
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 338.727+/-0.071 χ^2/NDF : 547692.2/14

Out: 332.928+/-0.070 χ^2/NDF : 792342.6/15

All: 335.771+/-0.050 χ^2/NDF : 1343443.3/30

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 $\pm$ 24.880 χ^2/NDF : 16.0/16

Left Out: -198.875 $\pm$ 16.633 χ^2/NDF : 16.0/15

Right Out: -121.633 $\pm$ 24.599 χ^2/NDF : 40.5/18

Left In: -195.216 $\pm$ 16.717 χ^2/NDF : 17.6/14

Left: -197.055 $\pm$ 11.791 χ^2/NDF : 33.6/30

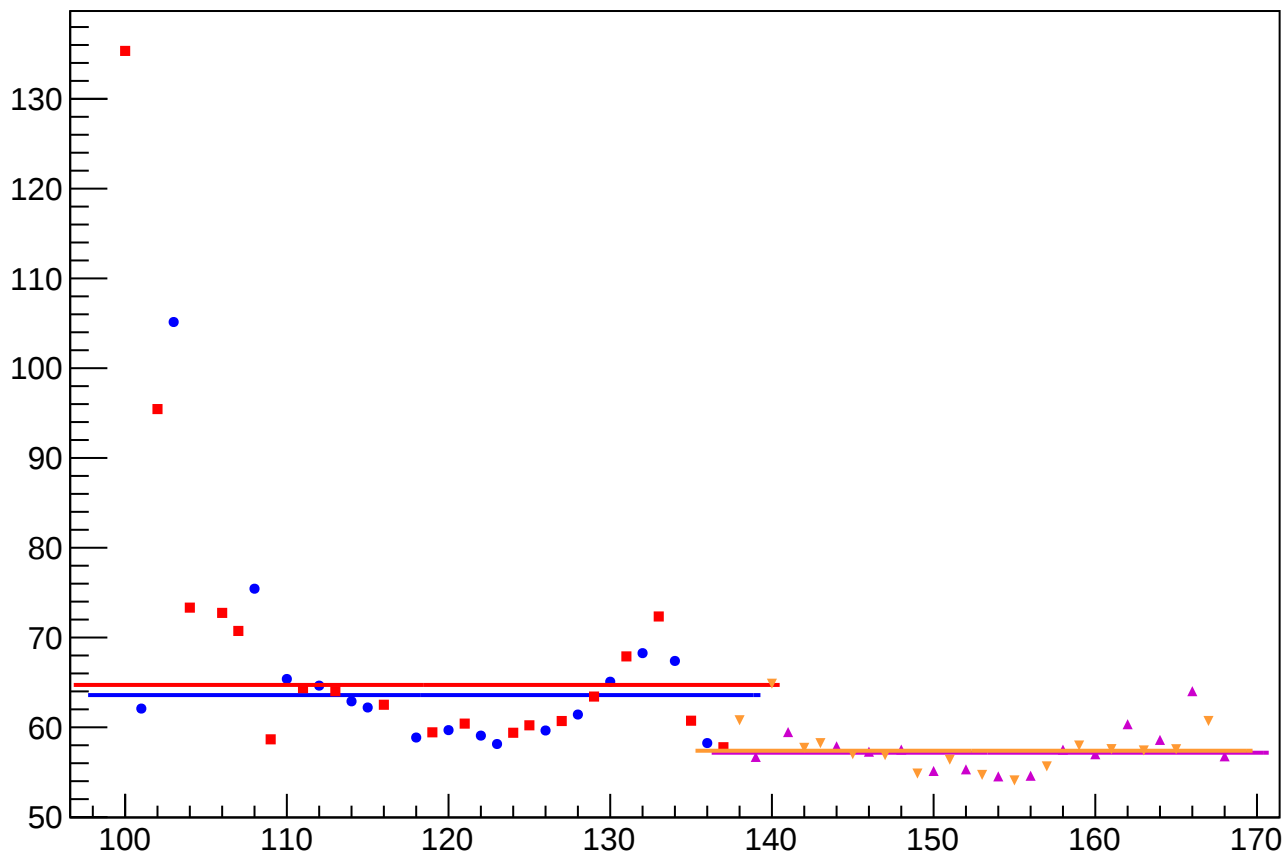
Right: -172.594 $\pm$ 17.493 χ^2/NDF : 65.1/35

In: -204.395 $\pm$ 13.876 χ^2/NDF : 34.6/31

Out: -174.640 $\pm$ 13.779 χ^2/NDF : 63.2/34

All: -189.413 $\pm$ 9.777 χ^2/NDF : 100.1/66

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 57.391 $\pm$ 0.012 χ^2 /NDF: 46104.8/15

Right Out: 64.720 $\pm$ 0.017 χ^2 /NDF: 227506.4/18

Left In: 57.169 $\pm$ 0.012 χ^2 /NDF: 32062.1/14

Left: 57.281 $\pm$ 0.008 χ^2 /NDF: 78343.9/30

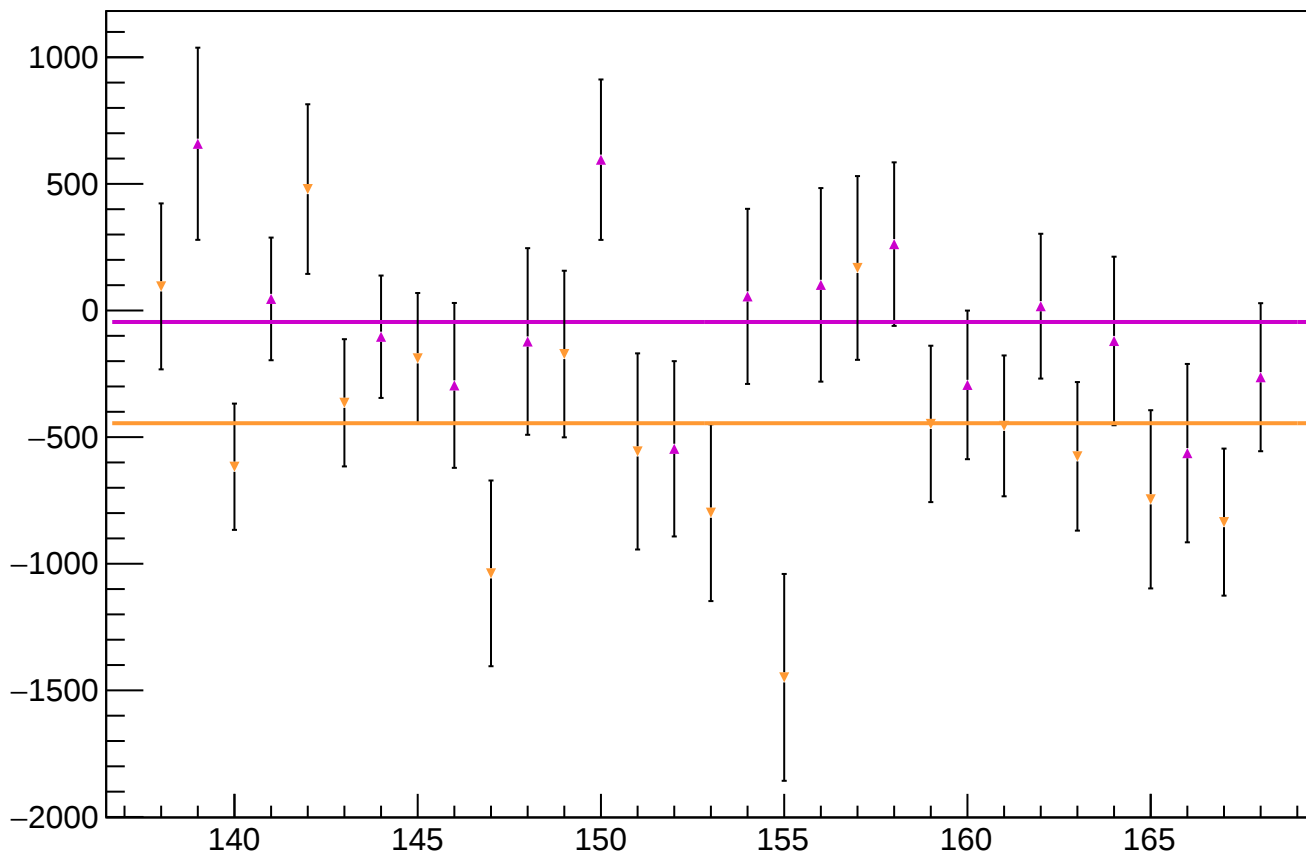
Right: 64.161 $\pm$ 0.012 χ^2 /NDF: 464197.3/35

In: 59.166 $\pm$ 0.010 χ^2 /NDF: 358404.9/31

Out: 59.691 $\pm$ 0.010 χ^2 /NDF: 395444.7/34

All: 59.430 $\pm$ 0.007 χ^2 /NDF: 755288.4/66

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -445.069+/-77.779 χ^2/NDF :27.9/15

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

Left In: -45.366+/-80.669 χ^2/NDF :15.1/14

Left: -252.504+/-55.992 χ^2/NDF : 55.8/30

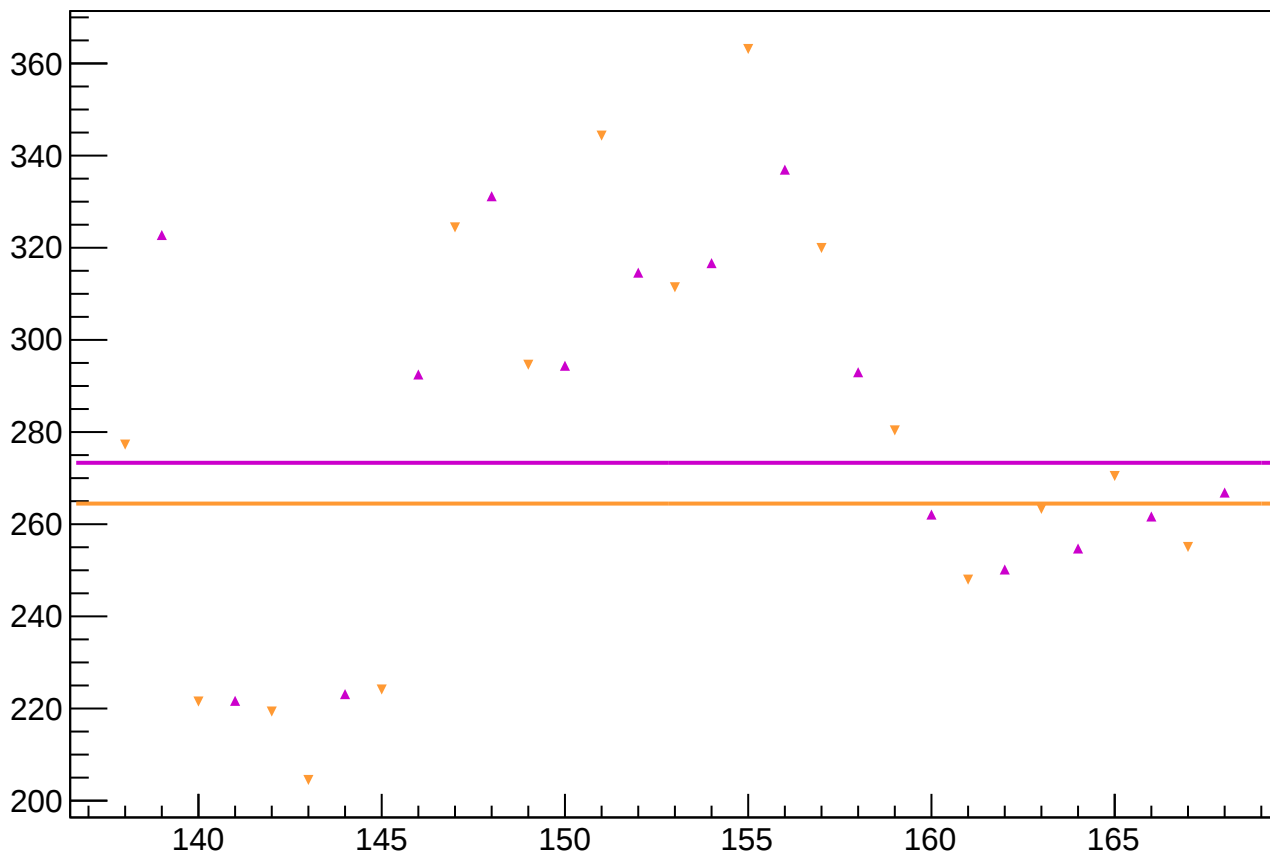
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -45.366+/-80.669 χ^2/NDF :15.1/14

Out: -445.069+/-77.779 χ^2/NDF :27.9/15

All: -252.504+/-55.992 χ^2/NDF : 55.8/30

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 264.478+/-0.055 χ^2/NDF :631635.9/15

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

Left In: 273.329+/-0.057 χ^2/NDF :424458.7/14

Left: 268.742+/-0.040 χ^2/NDF : 1068571.8/30

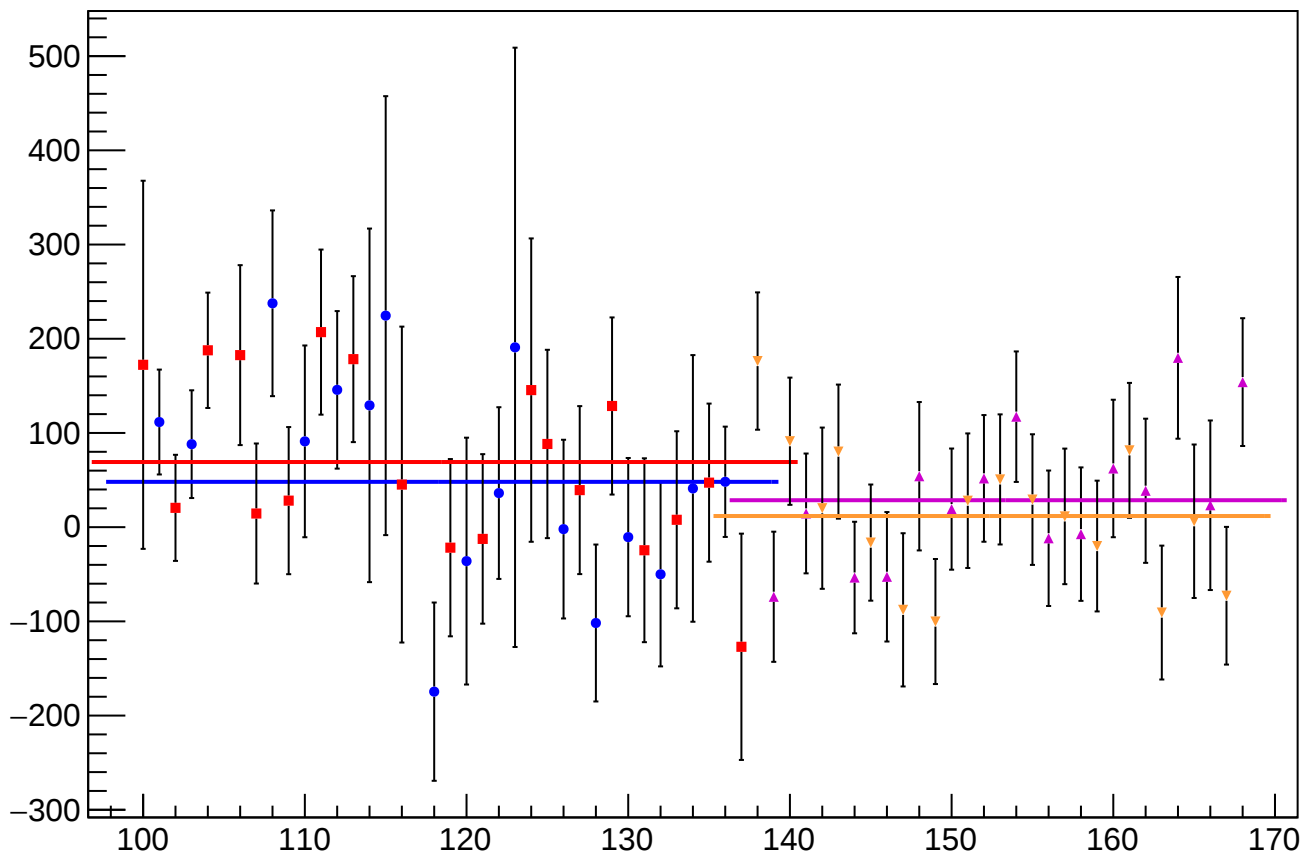
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 273.329+/-0.057 χ^2/NDF :424458.7/14

Out: 264.478+/-0.055 χ^2/NDF :631635.9/15

All: 268.742+/-0.040 χ^2/NDF : 1068571.8/30

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: 11.832 $\pm$ 17.879 χ^2 /NDF:17.0/15

Right Out: 69.156 $\pm$ 20.407 χ^2 /NDF: 17.7/18

Left In: 28.603 $\pm$ 18.214 χ^2 /NDF:14.8/14

Left: 20.062 $\pm$ 12.759 χ^2 /NDF: 32.2/30

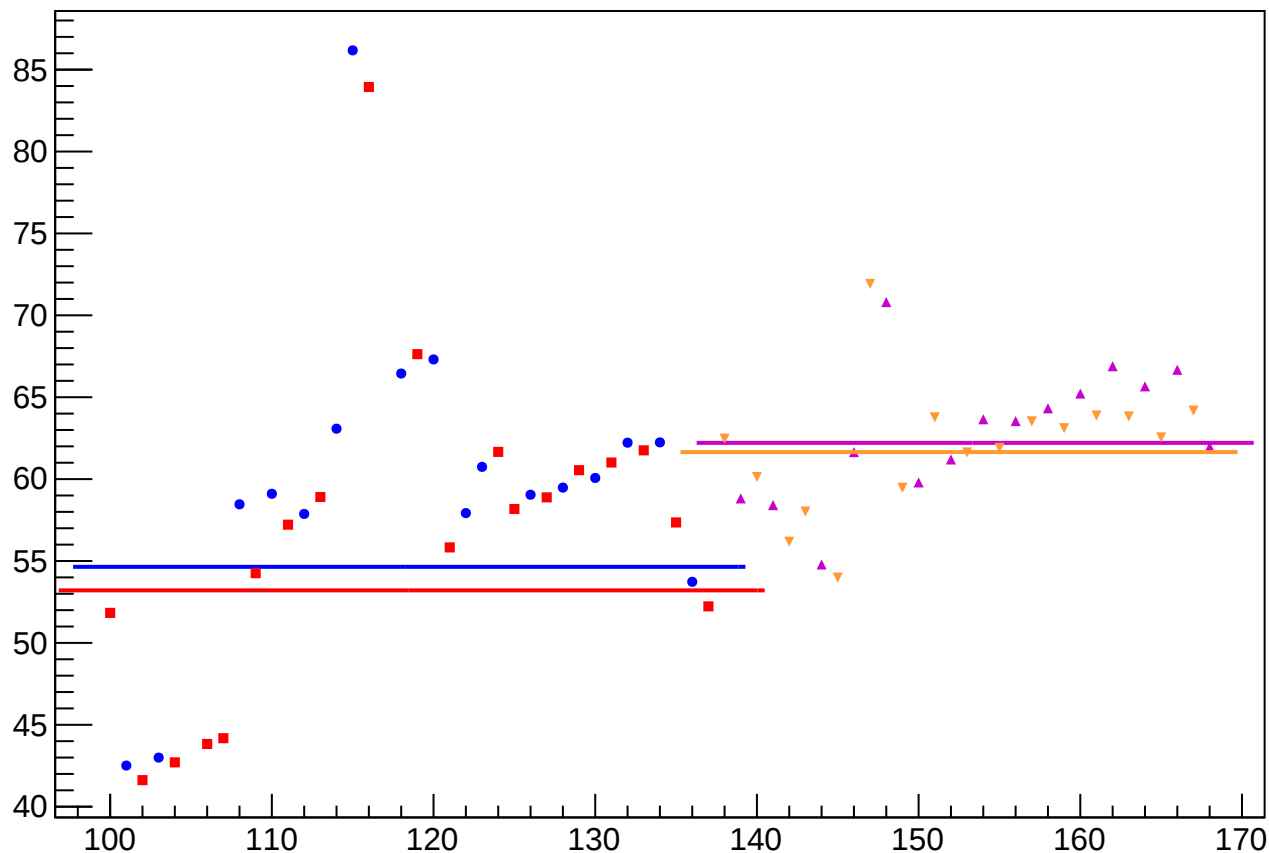
Right: 59.186 $\pm$ 14.805 χ^2 /NDF: 37.1/35

In: 36.748 $\pm$ 13.900 χ^2 /NDF:34.2/31

Out: 36.725 $\pm$ 13.448 χ^2 /NDF:39.1/34

All: 36.736 $\pm$ 9.665 χ^2 /NDF: 73.3/66

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 61.650 $\pm$ 0.013 χ^2 /NDF: 90089.4/15

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

Left In: 62.214 $\pm$ 0.013 χ^2 /NDF: 93057.1/14

Left: 61.927 $\pm$ 0.009 χ^2 /NDF: 184120.8/30

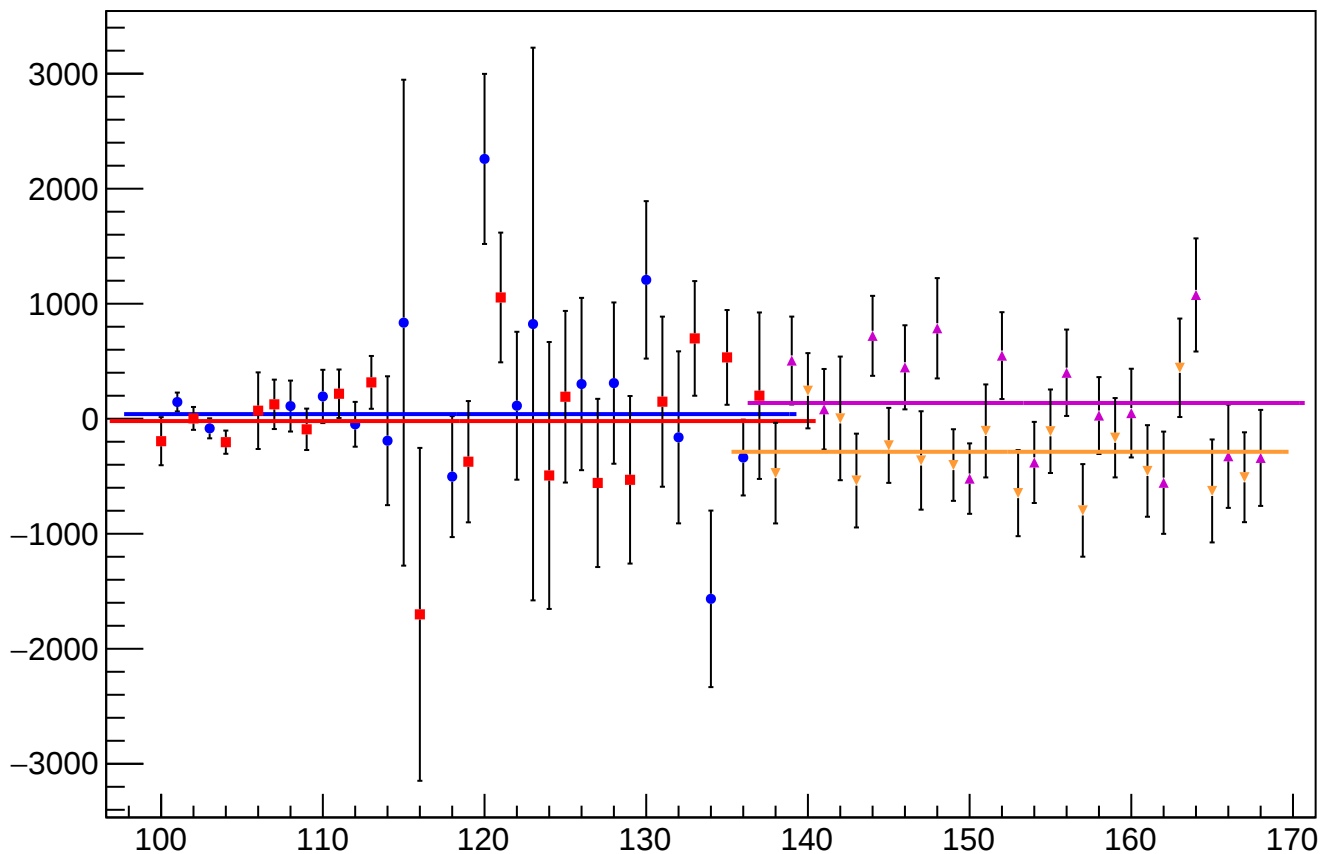
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 59.053 $\pm$ 0.010 χ^2 /NDF: 556581.0/31

Out: 57.984 $\pm$ 0.010 χ^2 /NDF: 670089.2/34

All: 58.501 $\pm$ 0.007 χ^2 /NDF: 1232784.0/66

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected

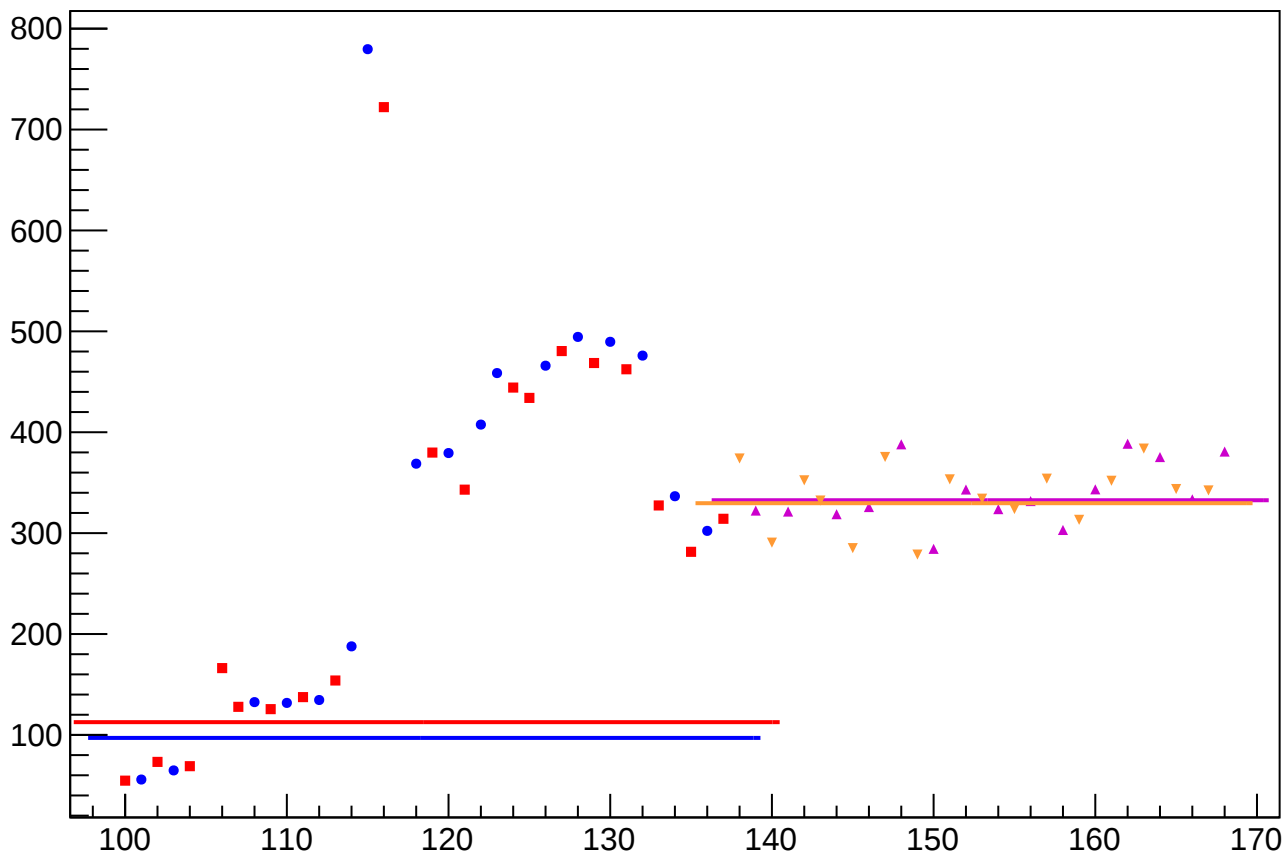


Right In: 40.207 ± 51.542 $\chi^2/\text{NDF}: 23.9/16$
 Left Out: -287.448 ± 96.250 $\chi^2/\text{NDF}: 10.8/15$
 Right Out: -20.232 ± 53.274 $\chi^2/\text{NDF}: 18.9/18$
 Left In: 136.985 ± 97.867 $\chi^2/\text{NDF}: 23.8/14$

Left: -78.766 ± 68.624 $\chi^2/\text{NDF}: 44.1/30$
 Right: 10.986 ± 37.043 $\chi^2/\text{NDF}: 43.4/35$
 In: 61.221 ± 45.604 $\chi^2/\text{NDF}: 48.4/31$
 Out: -82.897 ± 46.611 $\chi^2/\text{NDF}: 35.6/34$

All: -9.265 ± 32.597 $\chi^2/\text{NDF}: 88.8/66$

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 329.663+/-0.068 χ^2/NDF : 228271.1/15

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

Left In: 332.601+/-0.069 χ^2/NDF : 182727.2/14

Left: 331.107+/-0.049 χ^2/NDF : 411914.8/30

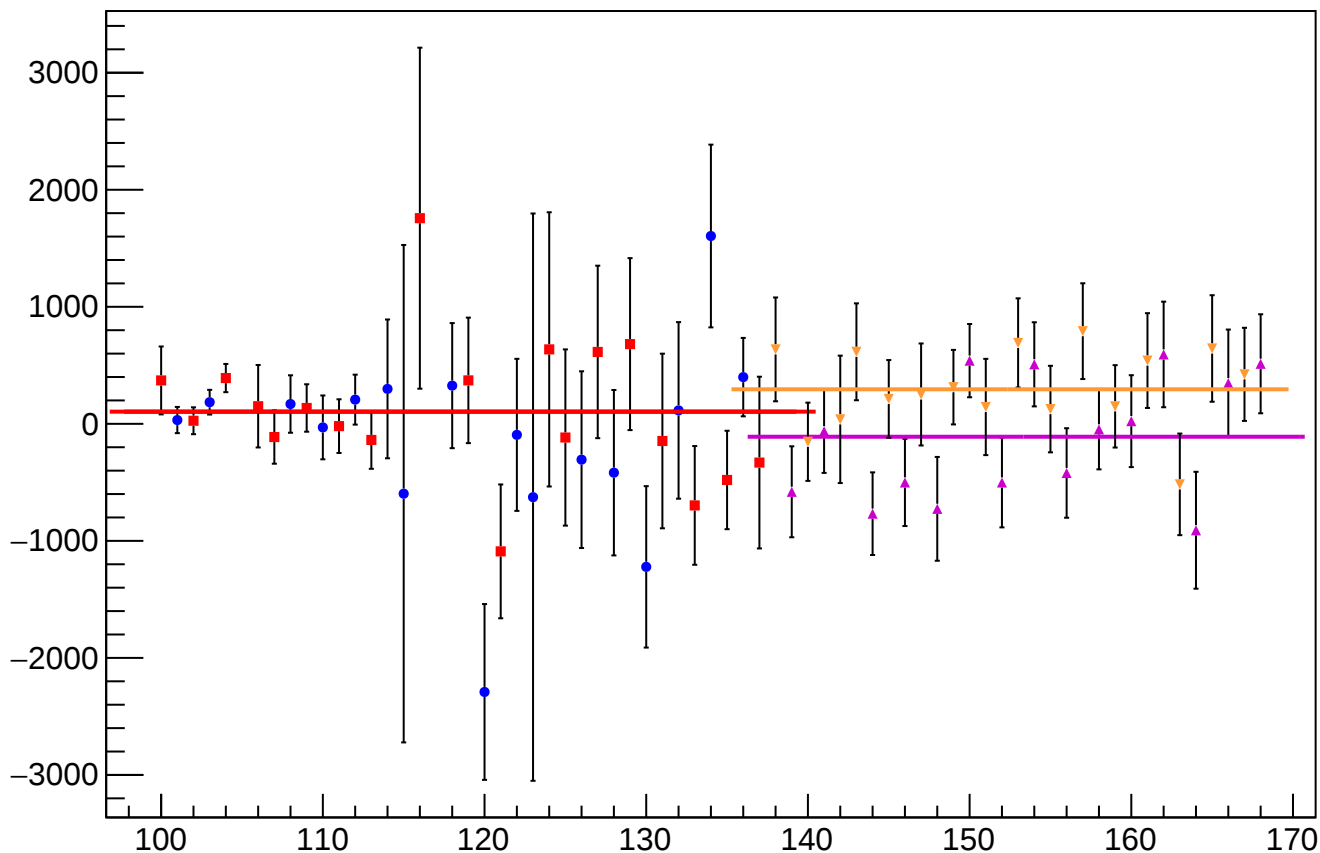
Right: 104.588+/-0.026 χ^2/NDF : 10944761.2/35

In: 148.189+/-0.032 χ^2/NDF : 15073393.4/31

Out: 163.545+/-0.033 χ^2/NDF : 13047082.9/34

All: 155.699+/-0.023 χ^2/NDF : 28231384.9/66

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 295.001 $\pm$ 97.978 χ^2 /NDF:10.9/15

Right Out: 104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

Left In: -110.263 $\pm$ 99.627 χ^2 /NDF:25.3/14

Left: 95.749 $\pm$ 69.856 χ^2 /NDF: 44.6/30

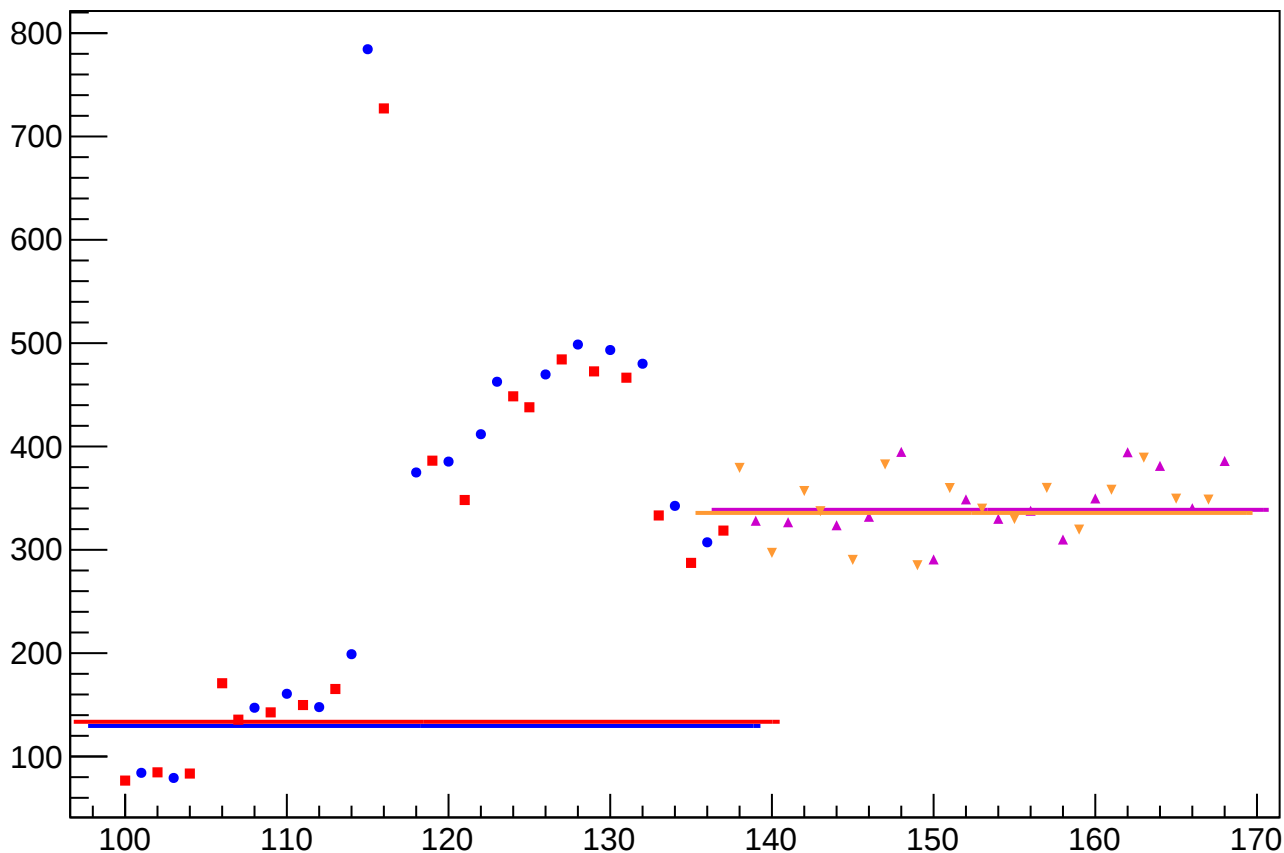
Right: 104.073 $\pm$ 43.823 χ^2 /NDF: 42.6/35

In: 42.579 $\pm$ 53.341 χ^2 /NDF:49.9/31

Out: 157.275 $\pm$ 51.696 χ^2 /NDF:35.0/34

All: 101.722 $\pm$ 37.123 χ^2 /NDF: 87.2/66

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 335.725+/-0.069 χ^2/NDF : 219594.8/15

Right Out: 133.593+/-0.043 χ^2/NDF : 4366252.1/18

Left In: 338.705+/-0.070 χ^2/NDF : 175339.9/14

Left: 337.190+/-0.049 χ^2/NDF : 395844.8/30

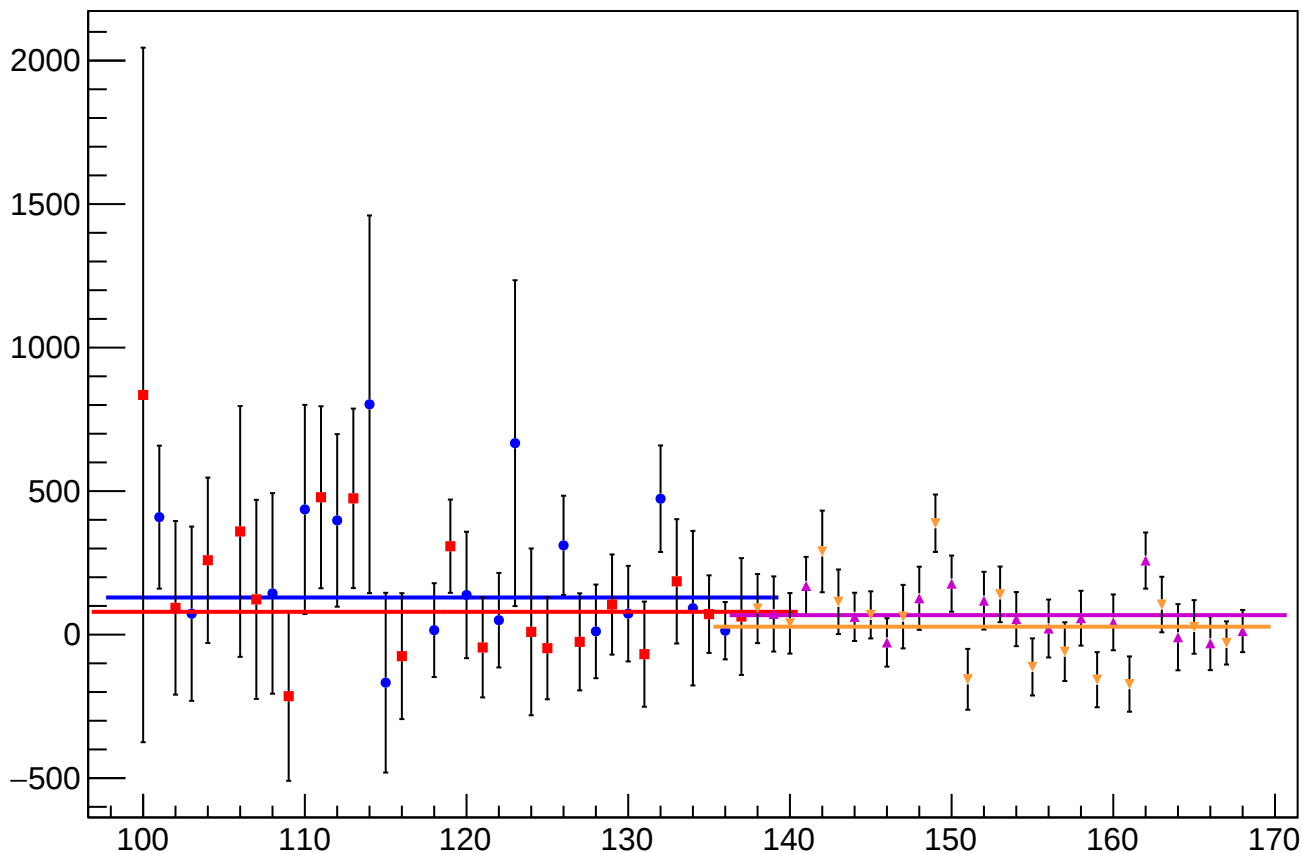
Right: 131.647+/-0.031 χ^2/NDF : 9142947.8/35

In: 189.509+/-0.038 χ^2/NDF : 11235648.6/31

Out: 189.865+/-0.037 χ^2/NDF : 10728294.7/34

All: 189.693+/-0.026 χ^2/NDF : 21963989.3/66

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: 27.667 $\pm$ 24.816 χ^2/NDF :33.9/15

Right Out: 79.483 $\pm$ 49.886 χ^2/NDF : 10.2/18

Left In: 67.883 $\pm$ 24.771 χ^2/NDF :10.3/14

Left: 47.812 $\pm$ 17.532 χ^2/NDF : 45.5/30

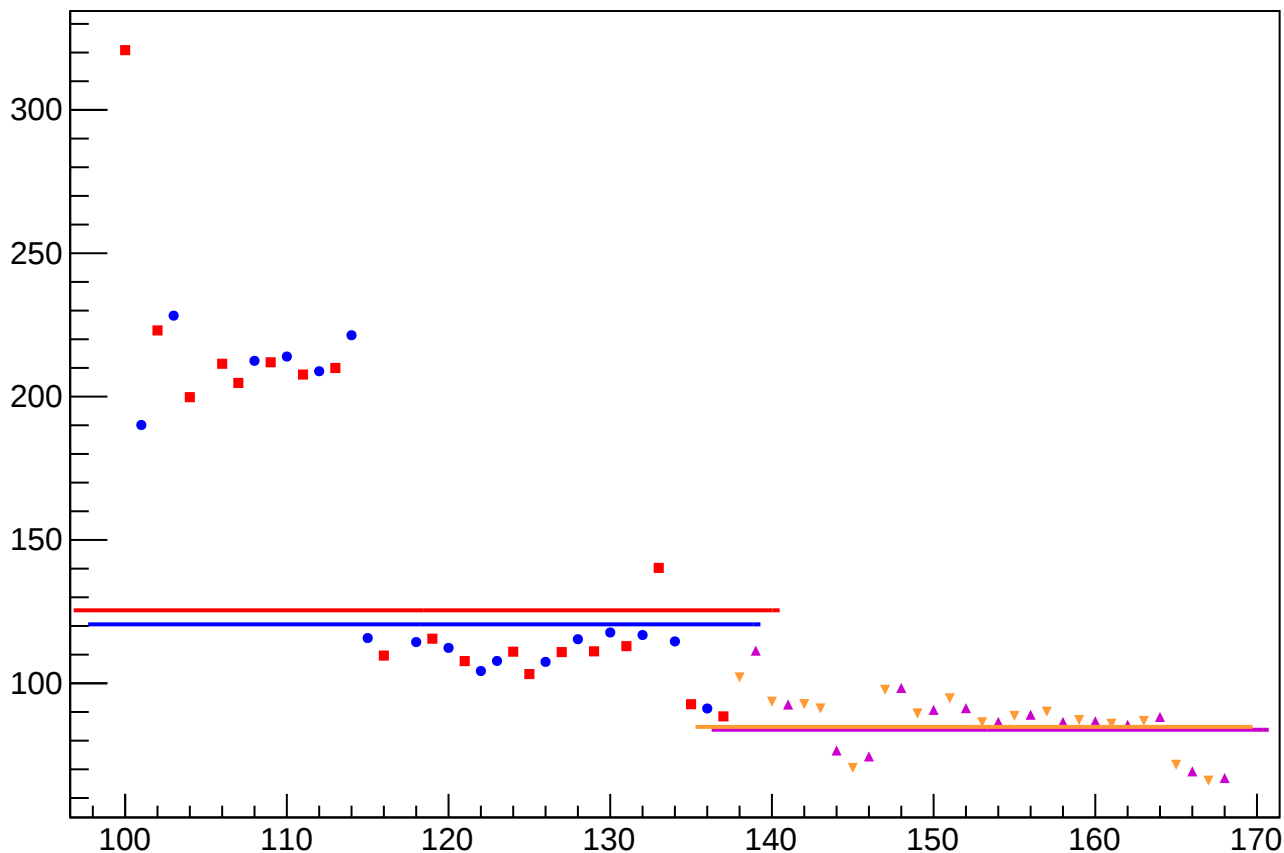
Right: 104.826 $\pm$ 35.001 χ^2/NDF : 23.7/35

In: 80.355 $\pm$ 22.118 χ^2/NDF :24.5/31

Out: 37.946 $\pm$ 22.219 χ^2/NDF :45.0/34

All: 59.247 $\pm$ 15.675 χ^2/NDF : 71.3/66

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 ± 0.035 χ^2/NDF : 1112076.4/16

Left Out: 84.796 ± 0.018 χ^2/NDF : 353461.4/15

Right Out: 125.458 ± 0.035 χ^2/NDF : 1333754.6/18

Left In: 83.796 ± 0.018 χ^2/NDF : 366994.1/14

Left: 84.295 ± 0.012 χ^2/NDF : 722083.4/30

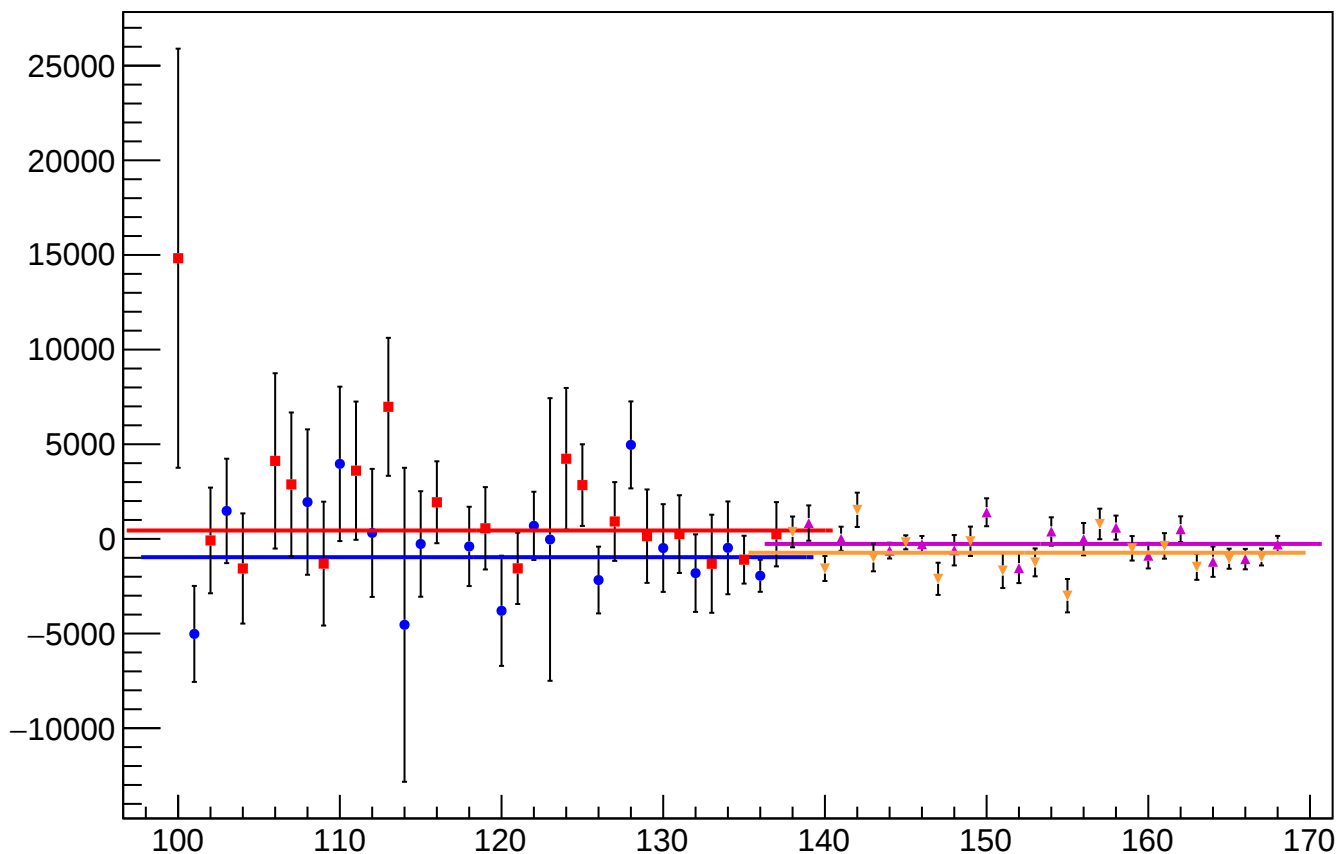
Right: 122.974 ± 0.025 χ^2/NDF : 2455600.4/35

In: 91.250 ± 0.016 χ^2/NDF : 2372497.0/31

Out: 92.863 ± 0.016 χ^2/NDF : 2752415.9/34

All: 92.053 ± 0.011 χ^2/NDF : 5130202.5/66

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -731.322+/-161.487 χ^2/NDF :29.1/15

Right Out: 444.406+/-545.370 χ^2/NDF : 13.4/18

Left In: -266.183+/-158.889 χ^2/NDF :18.6/14

Left: -494.981+/-113.259 χ^2/NDF : 51.9/30

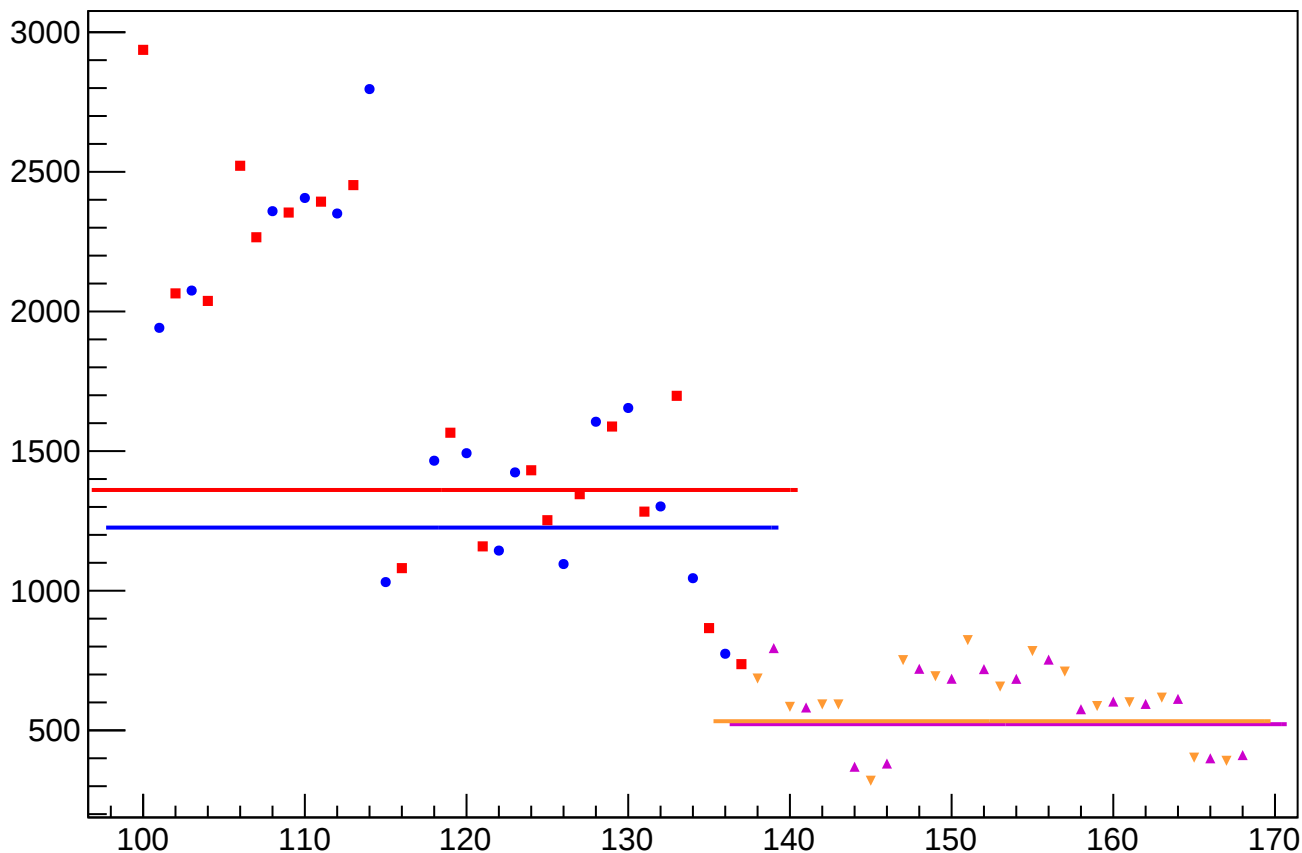
Right: -305.110+/-373.410 χ^2/NDF : 33.3/35

In: -327.636+/-151.759 χ^2/NDF :36.7/31

Out: -636.545+/-154.842 χ^2/NDF :46.8/34

All: -478.985+/-108.383 χ^2/NDF : 85.5/66

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 532.713+/-0.114 χ^2/NDF : 1884315.3/15

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

Left In: 522.089+/-0.112 χ^2/NDF : 1566937.8/14

Left: 527.315+/-0.080 χ^2/NDF : 3455651.1/30

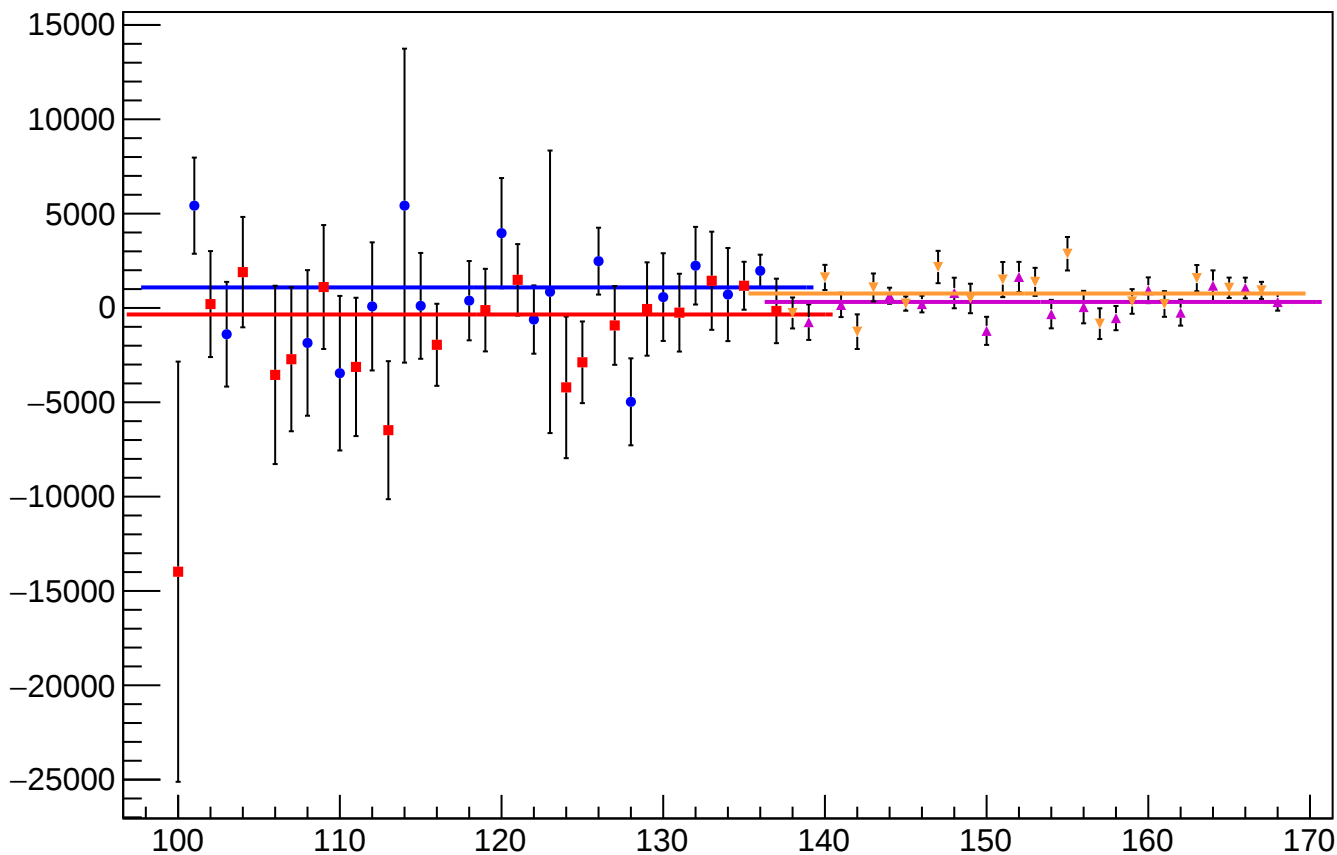
Right: 1289.252+/-0.264 χ^2/NDF : 3570145.2/35

In: 583.862+/-0.107 χ^2/NDF : 6768614.6/31

Out: 599.463+/-0.109 χ^2/NDF : 7872423.0/34

All: 591.506+/-0.077 χ^2/NDF : 14651394.5/66

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 765.779+/-163.766 χ^2/NDF : 26.7/15

Right Out: -345.640+/-548.191 χ^2/NDF : 12.5/18

Left In: 318.291+/-161.166 χ^2/NDF : 16.4/14

Left: 538.454+/-114.870 χ^2/NDF : 46.9/30

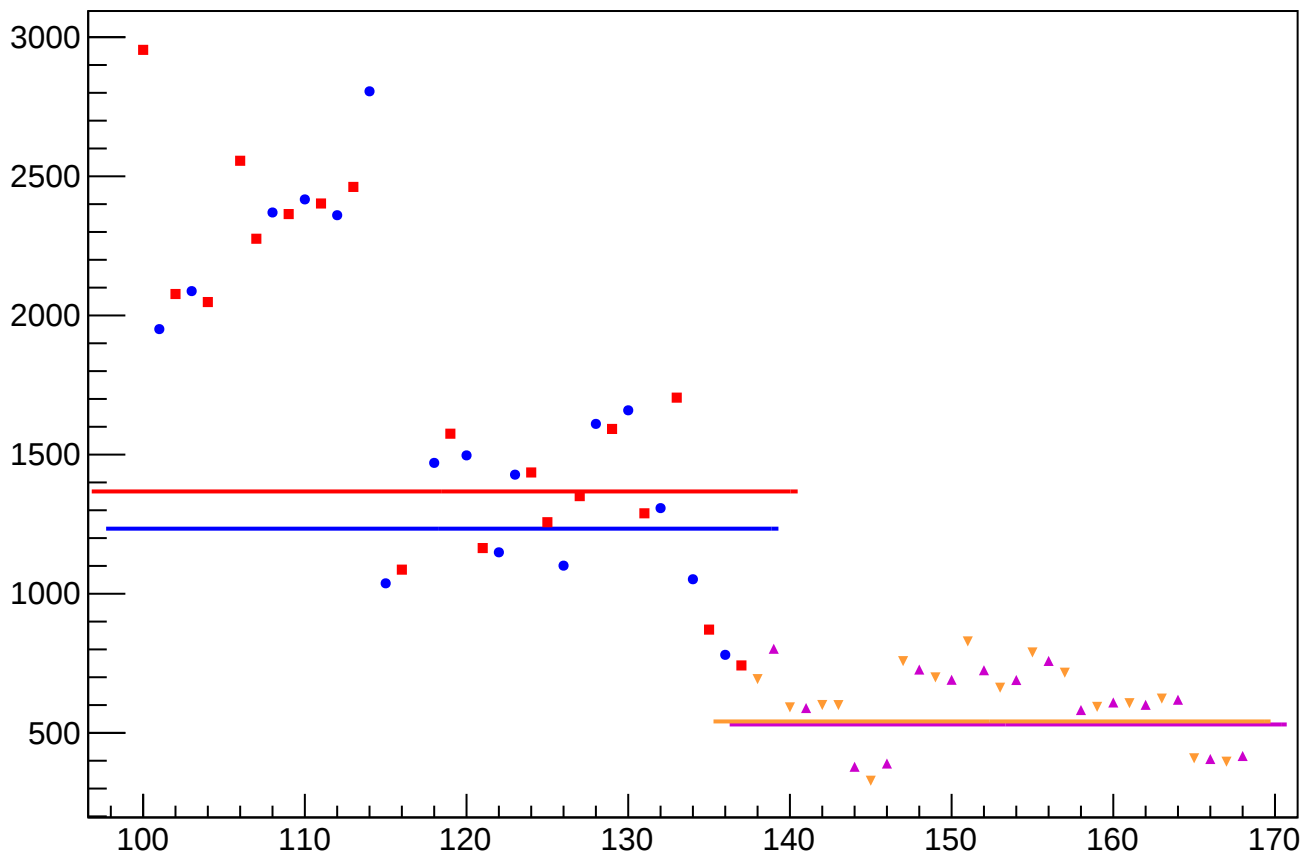
Right: 416.082+/-375.451 χ^2/NDF : 33.1/35

In: 386.976+/-153.818 χ^2/NDF : 35.4/31

Out: 674.717+/-156.914 χ^2/NDF : 43.0/34

All: 527.979+/-109.844 χ^2/NDF : 80.1/66

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863 $\pm$ 0.364 χ^2 /NDF: 1744048.5/16

Left Out: 541.149 $\pm$ 0.116 χ^2 /NDF:1813790.6/15

Right Out: 1367.609 $\pm$ 0.388 χ^2 /NDF: 1744594.4/18

Left In: 530.314 $\pm$ 0.114 χ^2 /NDF:1511668.0/14

Left: 535.645 $\pm$ 0.081 χ^2 /NDF: 3329905.7/30

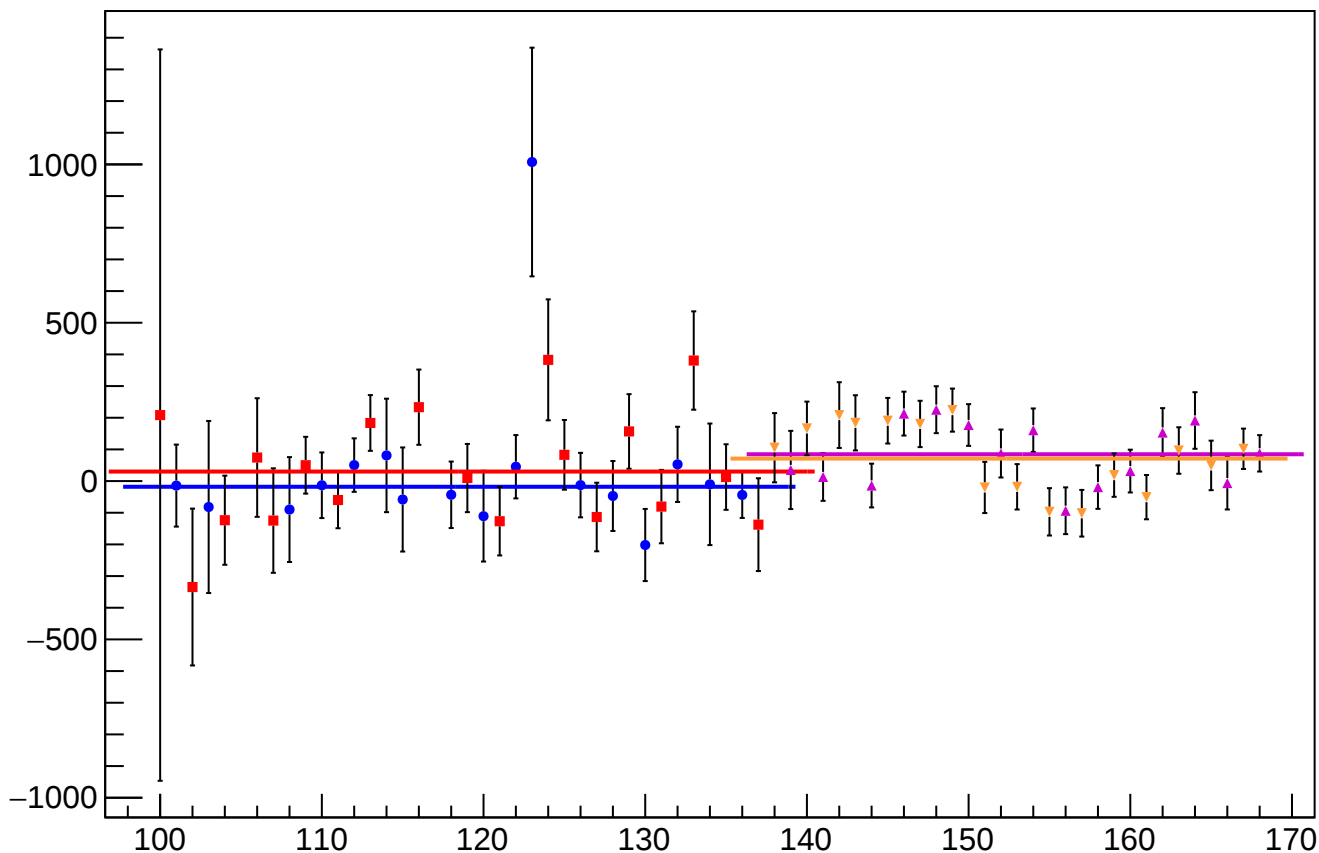
Right: 1296.600 $\pm$ 0.265 χ^2 /NDF: 3551849.9/35

In: 593.009 $\pm$ 0.109 χ^2 /NDF:6652043.9/31

Out: 608.863 $\pm$ 0.111 χ^2 /NDF:7731727.6/34

All: 600.778 $\pm$ 0.078 χ^2 /NDF: 14394183.6/66

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 71.004 ± 19.009 $\chi^2/\text{NDF}: 32.3/15$

Right Out: 30.070 ± 27.976 $\chi^2/\text{NDF}: 27.4/18$

Left In: 84.679 ± 18.853 $\chi^2/\text{NDF}: 25.5/14$

Left: 77.898 ± 13.386 $\chi^2/\text{NDF}: 58.0/30$

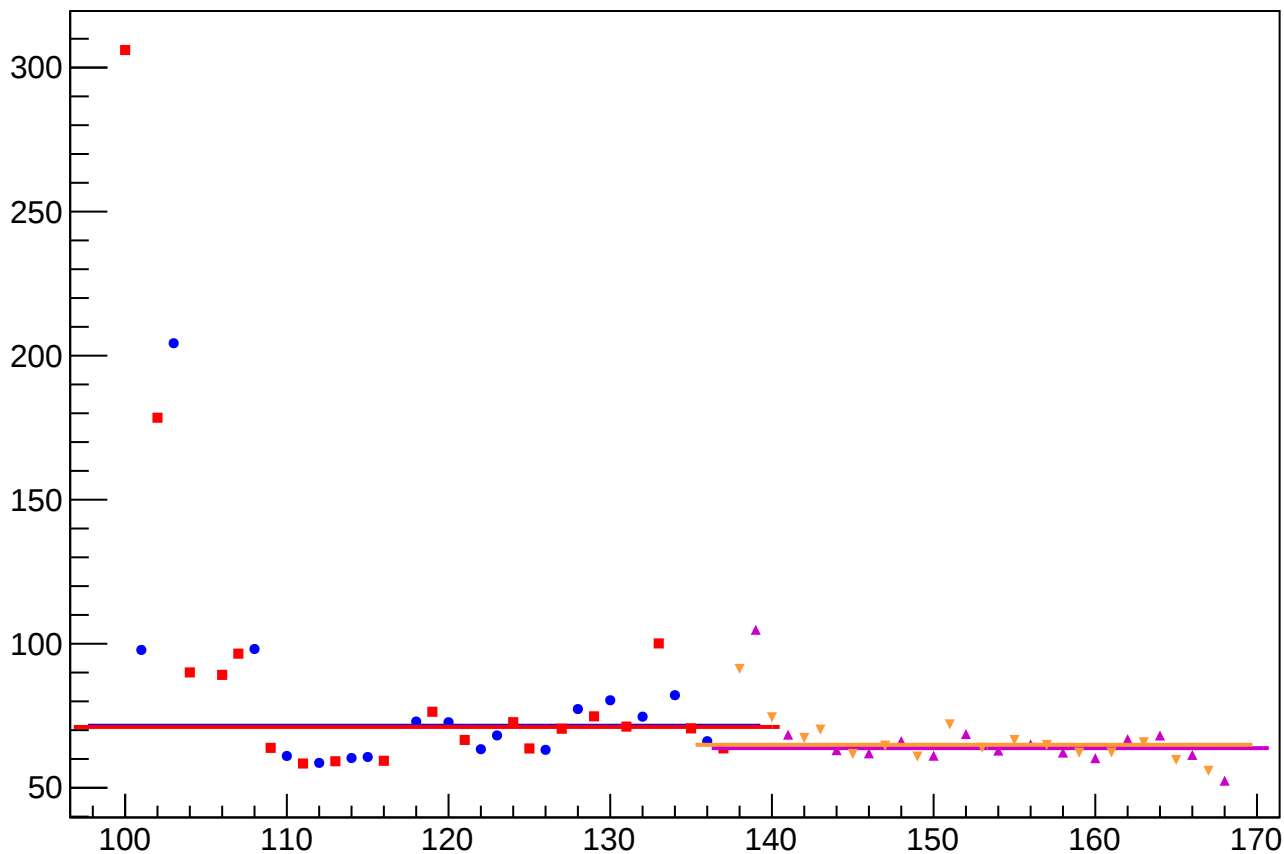
Right: 6.786 ± 20.083 $\chi^2/\text{NDF}: 42.2/35$

In: 53.958 ± 15.782 $\chi^2/\text{NDF}: 47.7/31$

Out: 58.074 ± 15.723 $\chi^2/\text{NDF}: 61.1/34$

All: 56.024 ± 11.139 $\chi^2/\text{NDF}: 108.9/66$

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 64.926+/-0.013 χ^2/NDF : 233237.5/15

Right Out: 71.115+/-0.020 χ^2/NDF : 765159.2/18

Left In: 63.762+/-0.013 χ^2/NDF : 338688.3/14

Left: 64.339+/-0.009 χ^2/NDF : 575706.3/30

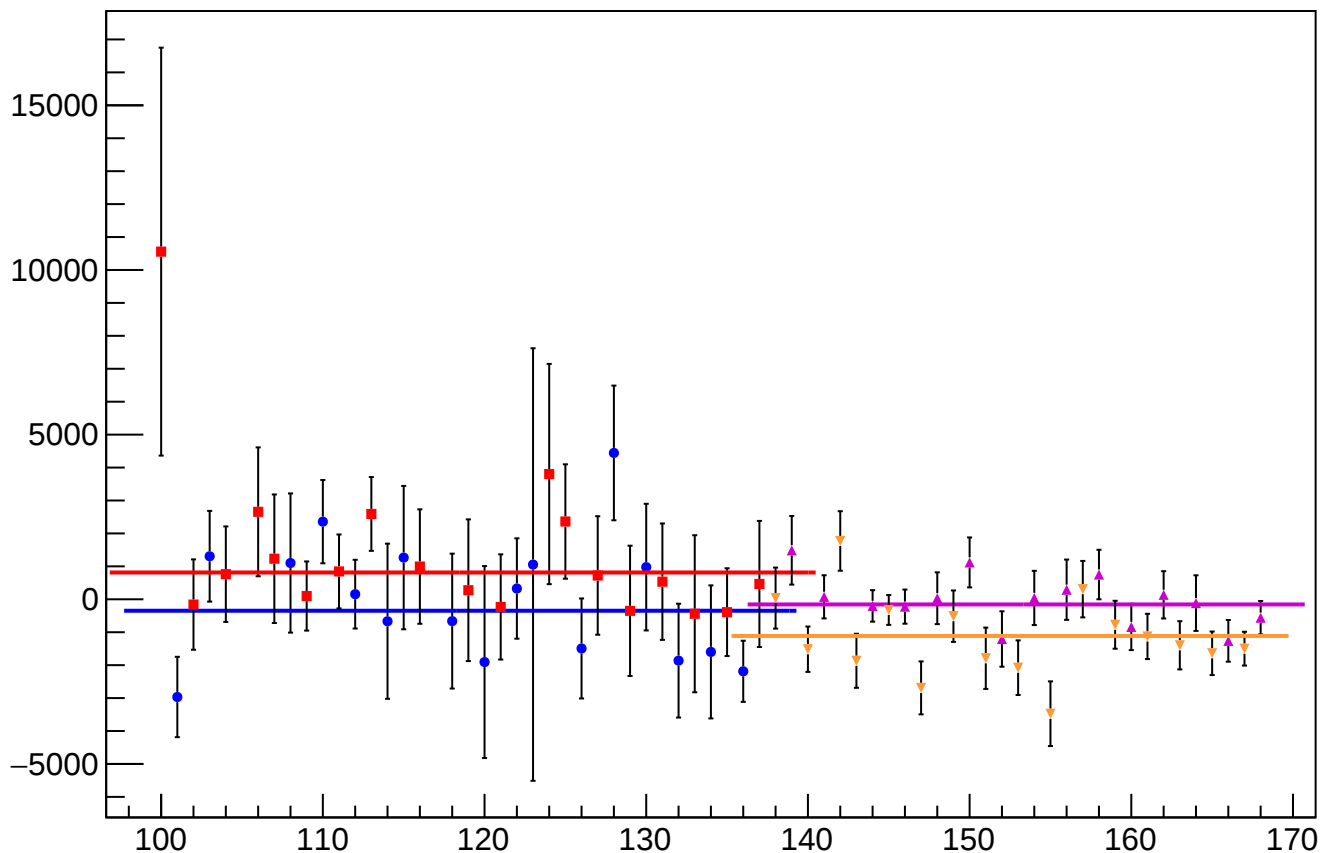
Right: 71.319+/-0.014 χ^2/NDF : 1524340.2/35

In: 66.088+/-0.011 χ^2/NDF : 1199422.4/31

Out: 66.881+/-0.011 χ^2/NDF : 1065360.4/34

All: 66.486+/-0.008 χ^2/NDF : 2267312.7/66

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2 /NDF: 24.1/16

Left Out: -1113.258+/-179.593 χ^2 /NDF:32.4/15

Right Out: 814.154+/-369.807 χ^2 /NDF: 10.5/18

Left In: -156.314+/-175.955 χ^2 /NDF:13.6/14

Left: -624.995+/-125.685 χ^2 /NDF: 60.5/30

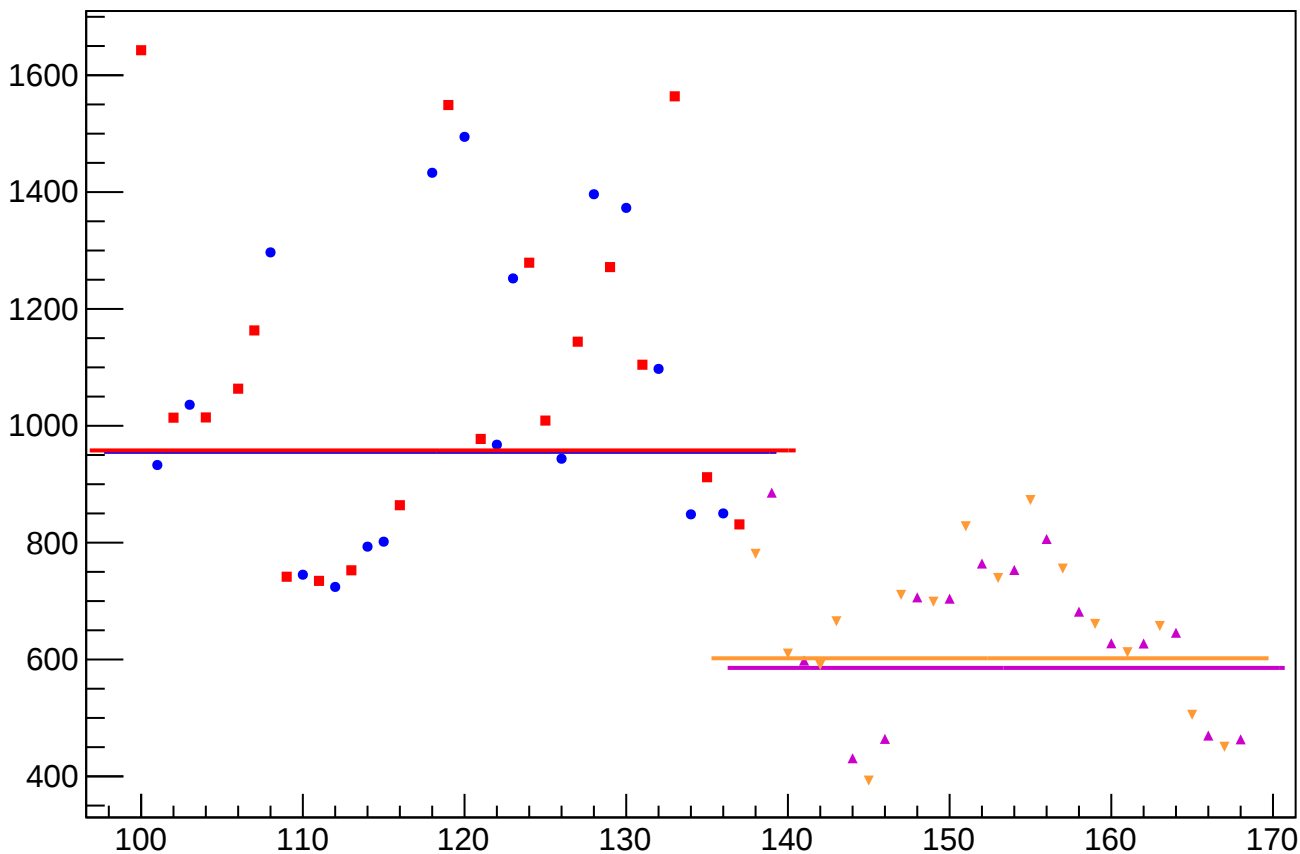
Right: 251.940+/-265.697 χ^2 /NDF: 39.3/35

In: -189.855+/-159.815 χ^2 /NDF:37.9/31

Out: -745.436+/-161.550 χ^2 /NDF:64.8/34

All: -464.647+/-113.615 χ^2 /NDF: 108.7/66

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 602.100+/-0.127 χ^2/NDF : 1212360.5/15

Right Out: 957.849+/-0.261 χ^2/NDF : 693081.8/18

Left In: 585.610+/-0.124 χ^2/NDF : 1110841.4/14

Left: 593.686+/-0.089 χ^2/NDF : 2331804.8/30

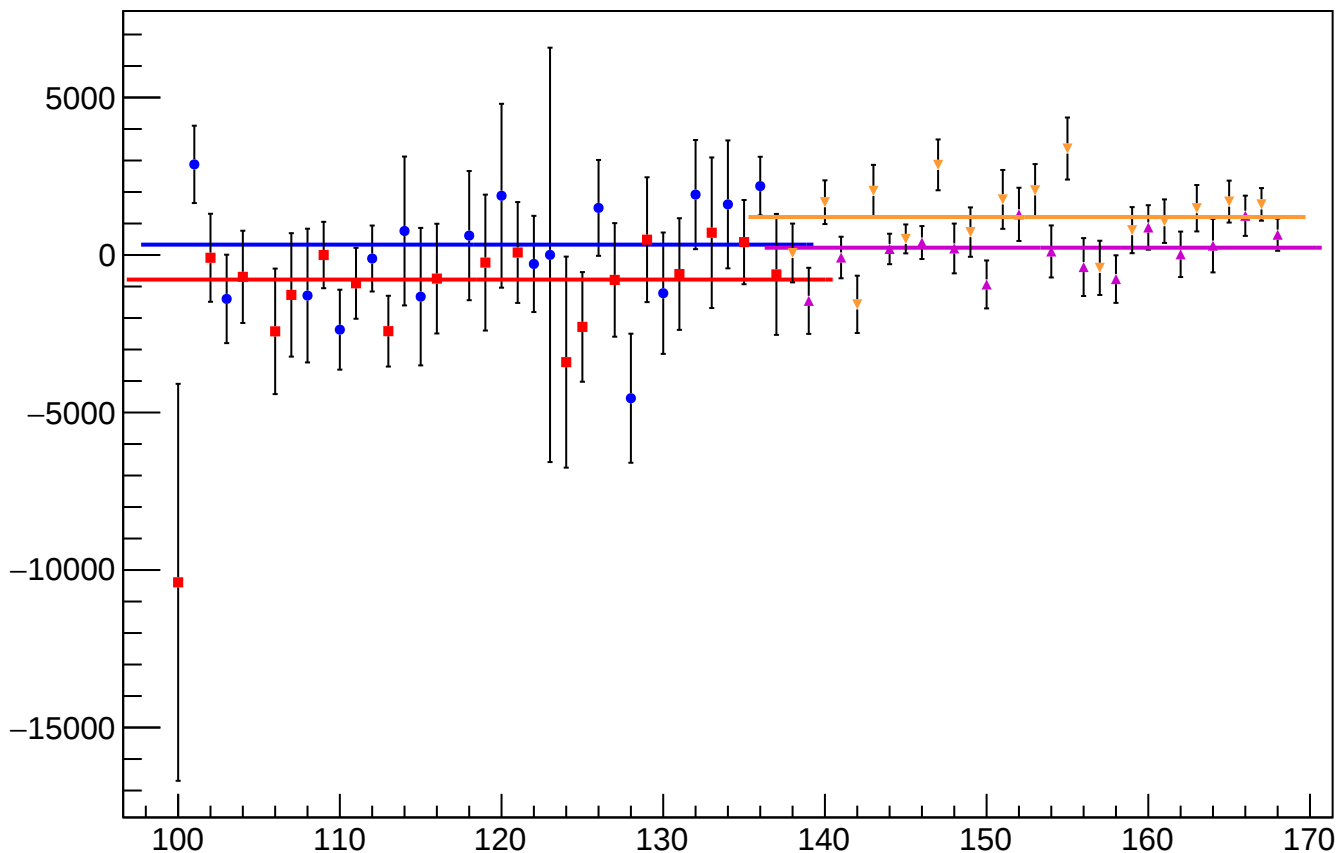
Right: 956.676+/-0.188 χ^2/NDF : 1339635.8/35

In: 650.340+/-0.113 χ^2/NDF : 3303759.9/31

Out: 669.990+/-0.114 χ^2/NDF : 3403066.4/34

All: 660.059+/-0.080 χ^2/NDF : 6721779.8/66

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2/NDF : 24.3/16

Left Out: 1205.802 $\pm$ 180.815 χ^2/NDF :30.6/15

Right Out: -779.623 $\pm$ 371.673 χ^2/NDF : 9.3/18

Left In: 231.952 $\pm$ 177.160 χ^2/NDF :13.1/14

Left: 708.936 $\pm$ 126.544 χ^2/NDF : 58.5/30

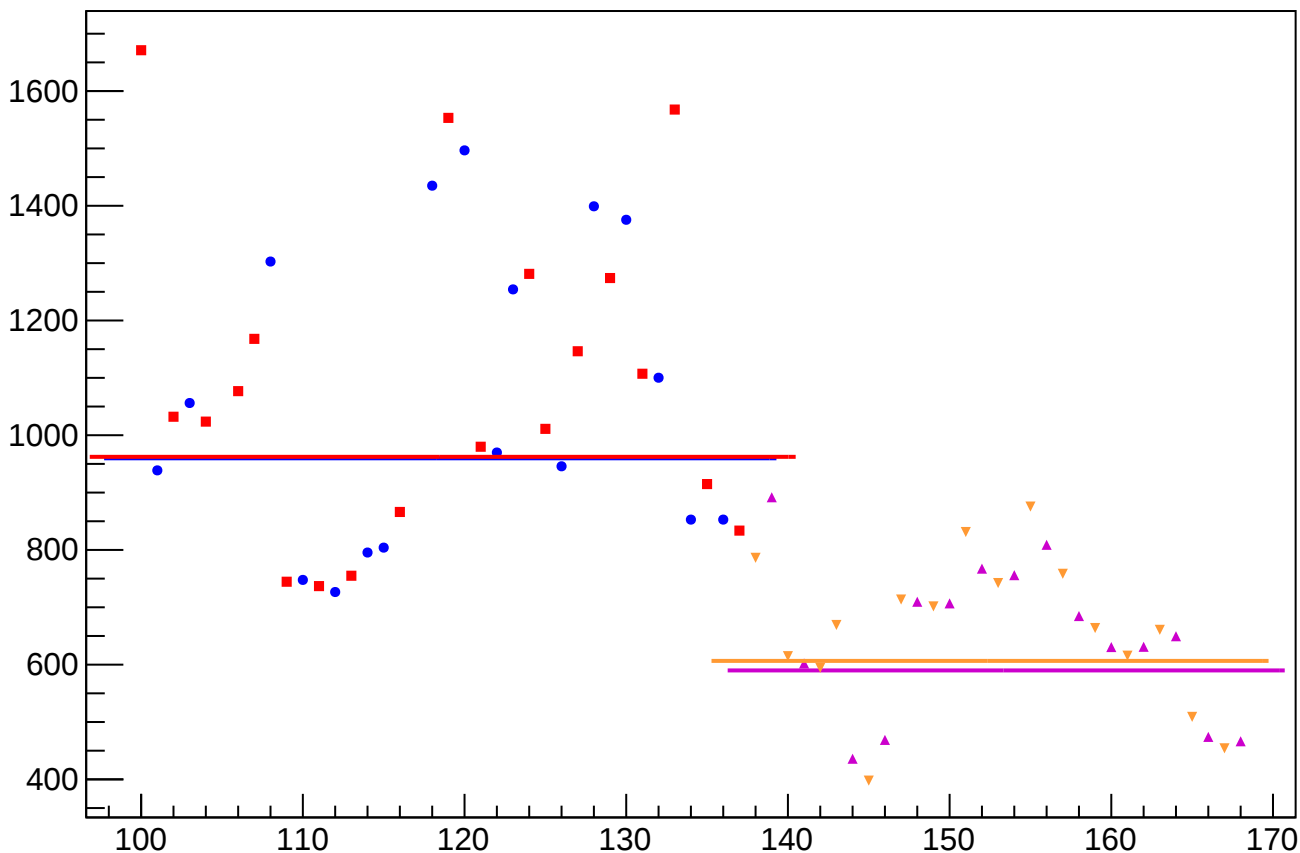
Right: -242.920 $\pm$ 266.973 χ^2/NDF : 37.9/35

In: 249.032 $\pm$ 160.846 χ^2/NDF :37.5/31

Out: 825.835 $\pm$ 162.595 χ^2/NDF :62.9/34

All: 534.314 $\pm$ 114.348 χ^2/NDF : 106.8/66

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 606.553 $\pm$ 0.128 χ^2 /NDF: 1185005.7/15

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

Left In: 589.928 $\pm$ 0.125 χ^2 /NDF: 1089342.1/14

Left: 598.071 $\pm$ 0.089 χ^2 /NDF: 2282973.6/30

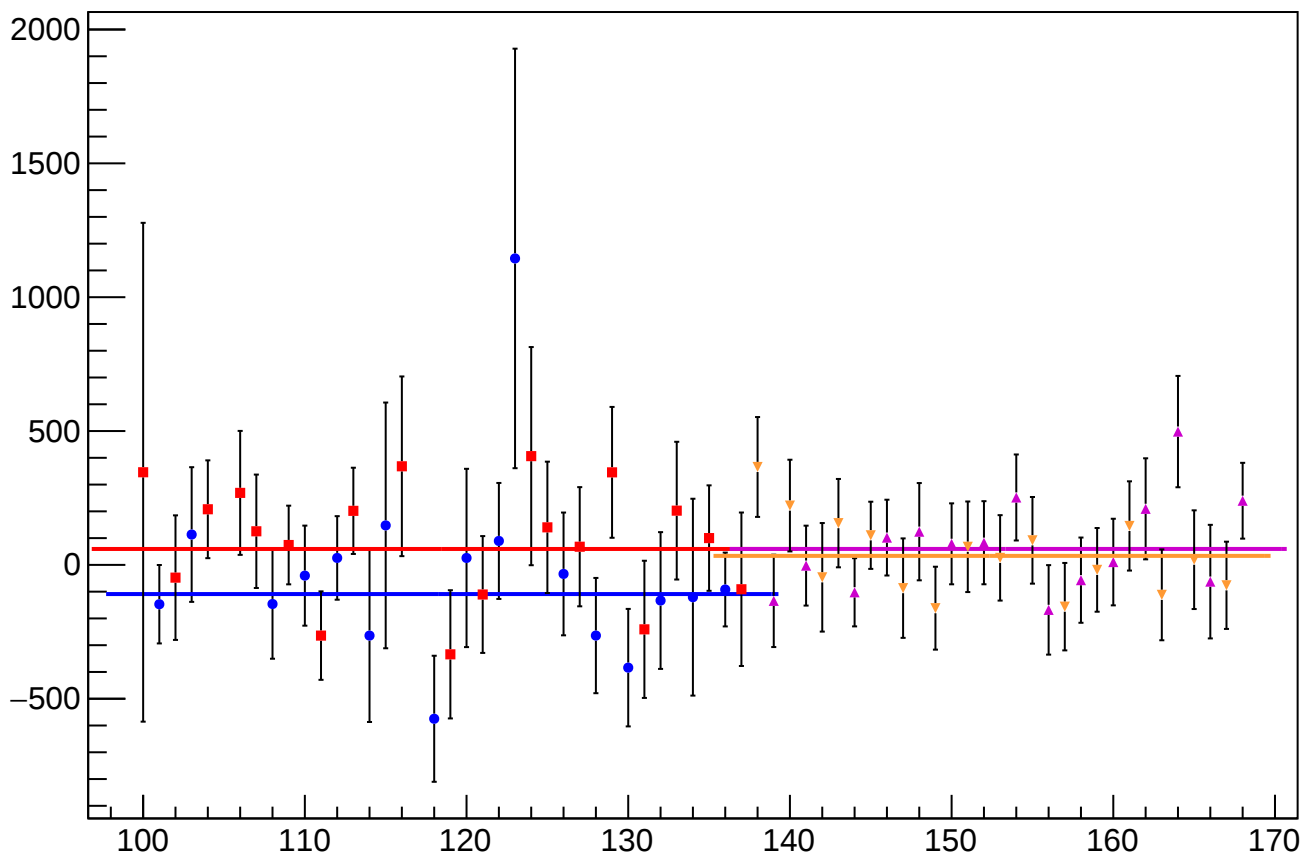
Right: 961.083 $\pm$ 0.189 χ^2 /NDF: 1342530.4/35

In: 654.909 $\pm$ 0.114 χ^2 /NDF: 3267513.6/31

Out: 674.638 $\pm$ 0.115 χ^2 /NDF: 3362498.7/34

All: 664.667 $\pm$ 0.081 χ^2 /NDF: 6644893.3/66

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 $\pm$ 52.923 χ^2/NDF : 12.0/16

Left Out: 33.694 $\pm$ 41.287 χ^2/NDF :10.7/15

Right Out: 59.475 $\pm$ 50.822 χ^2/NDF : 14.9/18

Left In: 59.610 $\pm$ 41.487 χ^2/NDF :14.2/14

Left: 46.589 $\pm$ 29.265 χ^2/NDF : 25.2/30

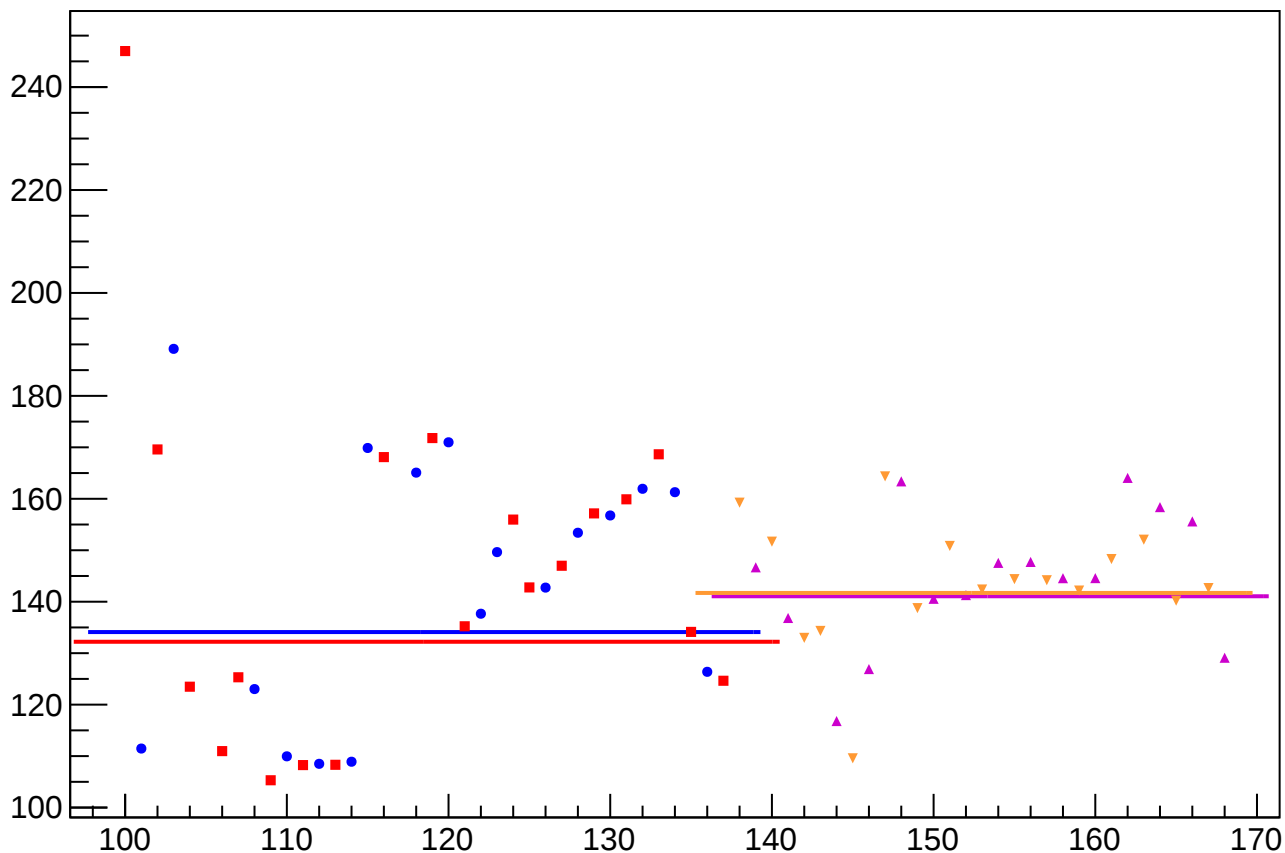
Right: -21.341 $\pm$ 36.657 χ^2/NDF : 32.2/35

In: -4.558 $\pm$ 32.650 χ^2/NDF :32.5/31

Out: 43.944 $\pm$ 32.045 χ^2/NDF :25.8/34

All: 20.147 $\pm$ 22.870 χ^2/NDF : 59.4/66

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: 141.705 $\pm$ 0.029 χ^2 /NDF:211458.8/15

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

Left In: 141.059 $\pm$ 0.029 χ^2 /NDF:201978.2/14

Left: 141.384 $\pm$ 0.021 χ^2 /NDF: 413680.1/30

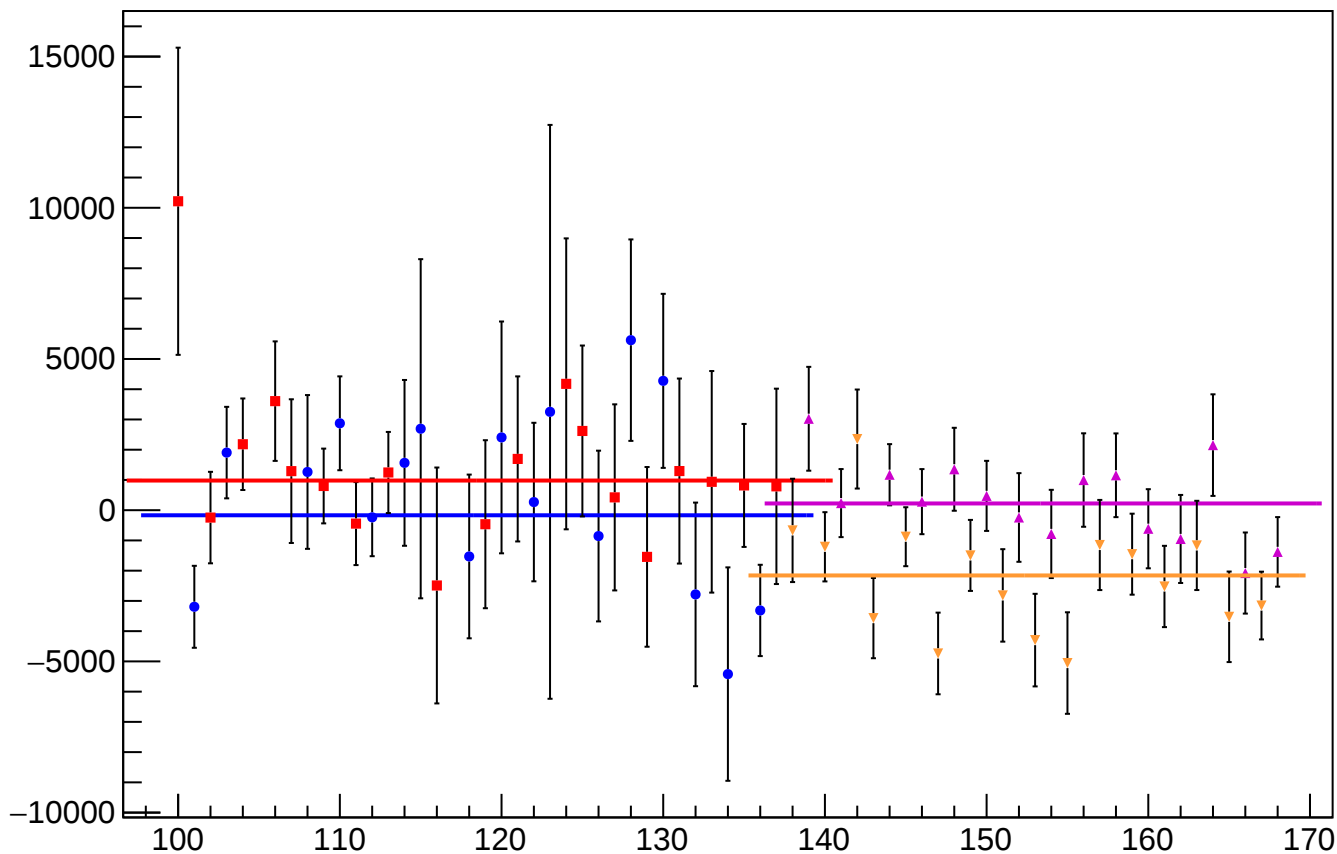
Right: 133.123 $\pm$ 0.026 χ^2 /NDF: 845638.9/35

In: 138.412 $\pm$ 0.023 χ^2 /NDF:625960.6/31

Out: 137.933 $\pm$ 0.023 χ^2 /NDF:695171.6/34

All: 138.168 $\pm$ 0.016 χ^2 /NDF: 1321351.0/66

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -2157.853 ± 336.197 χ^2/NDF : 23.9/15

Right Out: 980.517 ± 480.968 χ^2/NDF : 10.2/18

Left In: 222.599 ± 336.264 χ^2/NDF : 12.8/14

Left: -967.865 ± 237.751 χ^2/NDF : 61.7/30

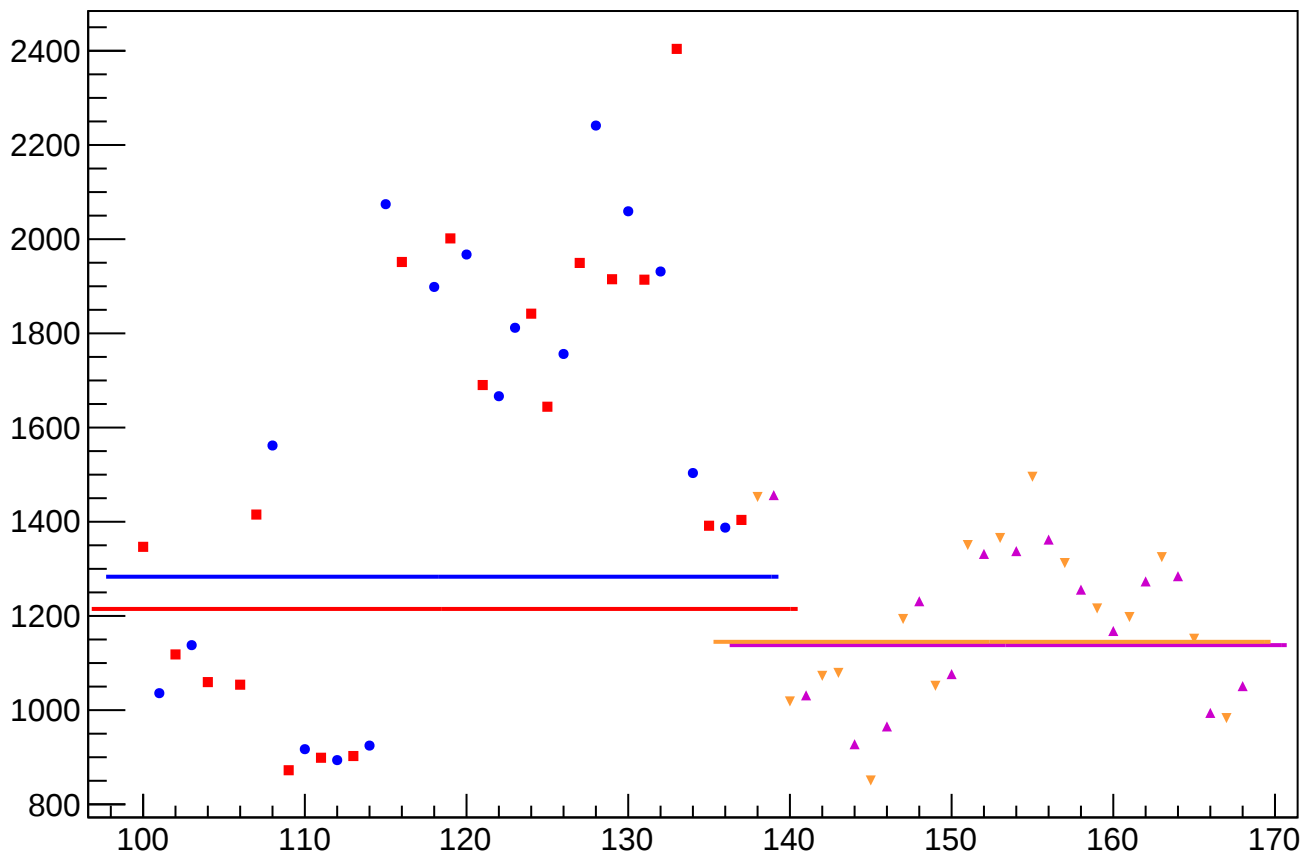
Right: 454.882 ± 354.232 χ^2/NDF : 38.1/35

In: 108.495 ± 282.952 χ^2/NDF : 38.5/31

Out: -1127.751 ± 275.553 χ^2/NDF : 62.7/34

All: -526.004 ± 197.409 χ^2/NDF : 111.0/66

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: 1145.065 $\pm$ 0.238 χ^2 /NDF: 565964.3/15

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

Left In: 1138.038 $\pm$ 0.238 χ^2 /NDF: 436538.0/14

Left: 1141.552 $\pm$ 0.168 χ^2 /NDF: 1002939.1/30

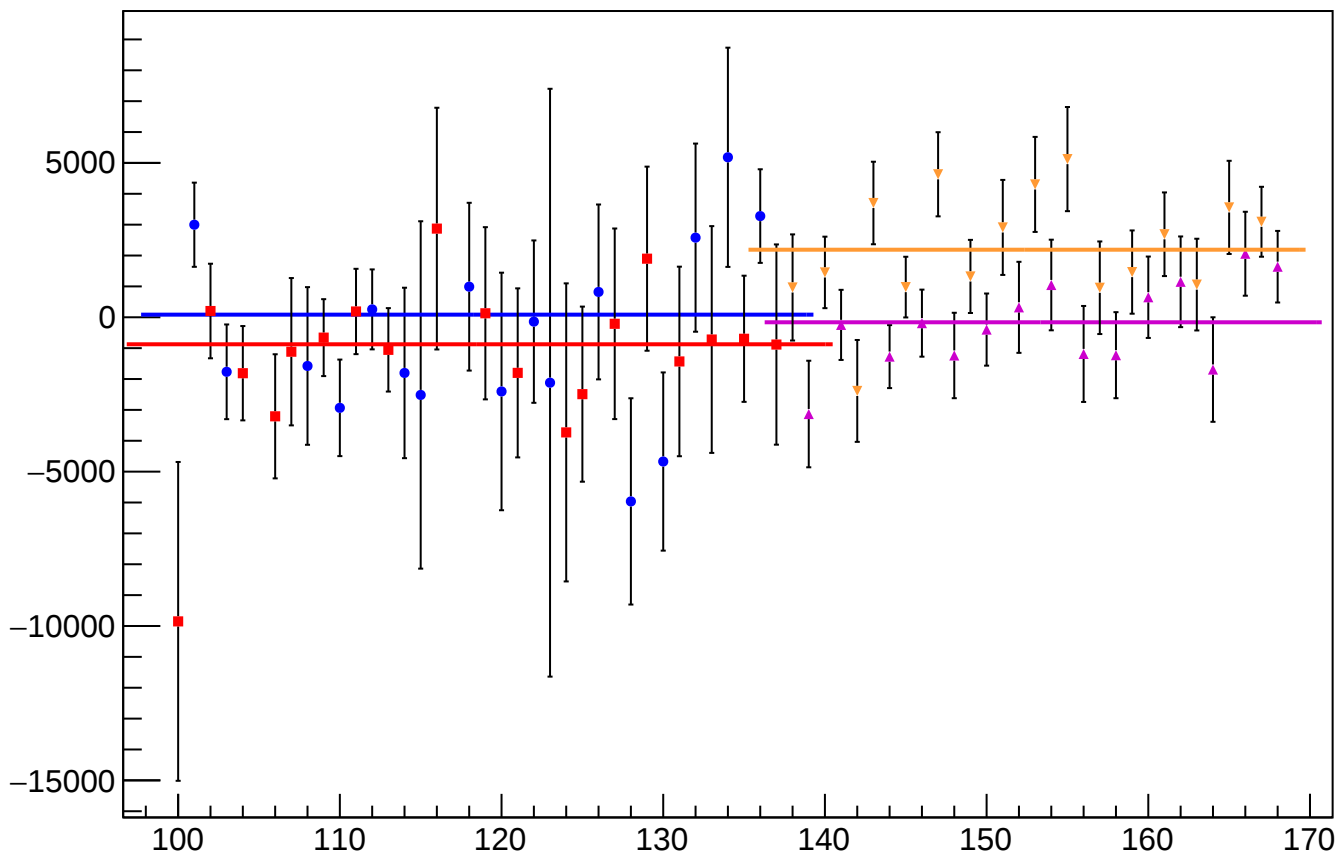
Right: 1246.197 $\pm$ 0.250 χ^2 /NDF: 2548819.1/35

In: 1180.452 $\pm$ 0.200 χ^2 /NDF: 1714959.6/31

Out: 1167.981 $\pm$ 0.195 χ^2 /NDF: 1955135.5/34

All: 1174.051 $\pm$ 0.140 χ^2 /NDF: 3672089.1/60

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 ± 527.082 $\chi^2/\text{NDF}: 24.7/16$

Left Out: 2188.578 ± 338.929 $\chi^2/\text{NDF}: 23.4/15$

Right Out: -874.592 ± 484.647 $\chi^2/\text{NDF}: 8.7/18$

Left In: -162.045 ± 338.994 $\chi^2/\text{NDF}: 13.7/14$

Left: 1013.494 ± 239.682 $\chi^2/\text{NDF}: 61.1/30$

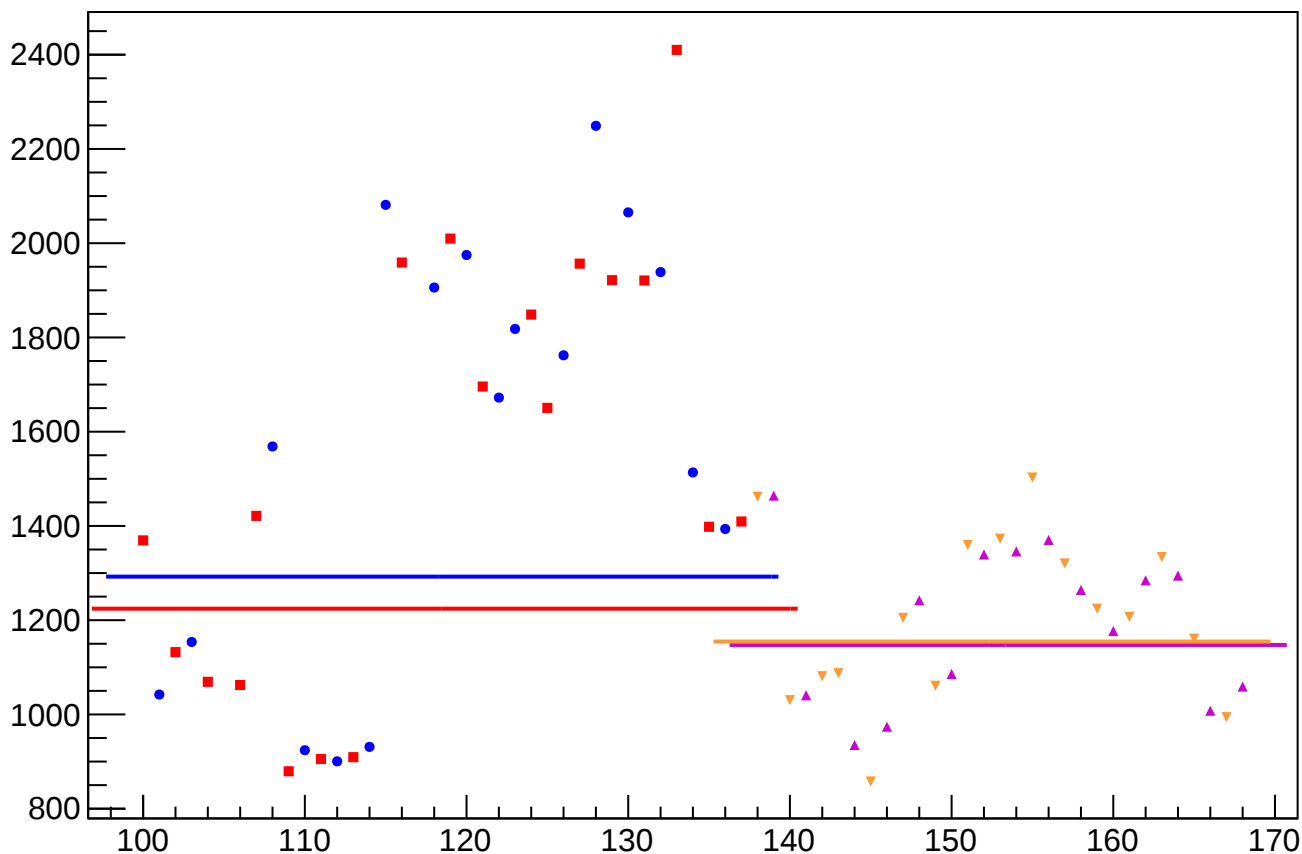
Right: -434.939 ± 356.757 $\chi^2/\text{NDF}: 35.2/35$

In: -89.735 ± 285.116 $\chi^2/\text{NDF}: 38.5/31$

Out: 1182.518 ± 277.748 $\chi^2/\text{NDF}: 58.9/34$

All: 563.043 ± 198.952 $\chi^2/\text{NDF}: 107.7/66$

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2/NDF : 1156576.0/16

Left Out: 1154.652 $\pm$ 0.240 χ^2/NDF : 556738.3/15

Right Out: 1224.429 $\pm$ 0.343 χ^2/NDF : 1345748.2/18

Left In: 1147.490 $\pm$ 0.240 χ^2/NDF : 429672.2/14

Left: 1151.071 $\pm$ 0.169 χ^2/NDF : 986856.9/30

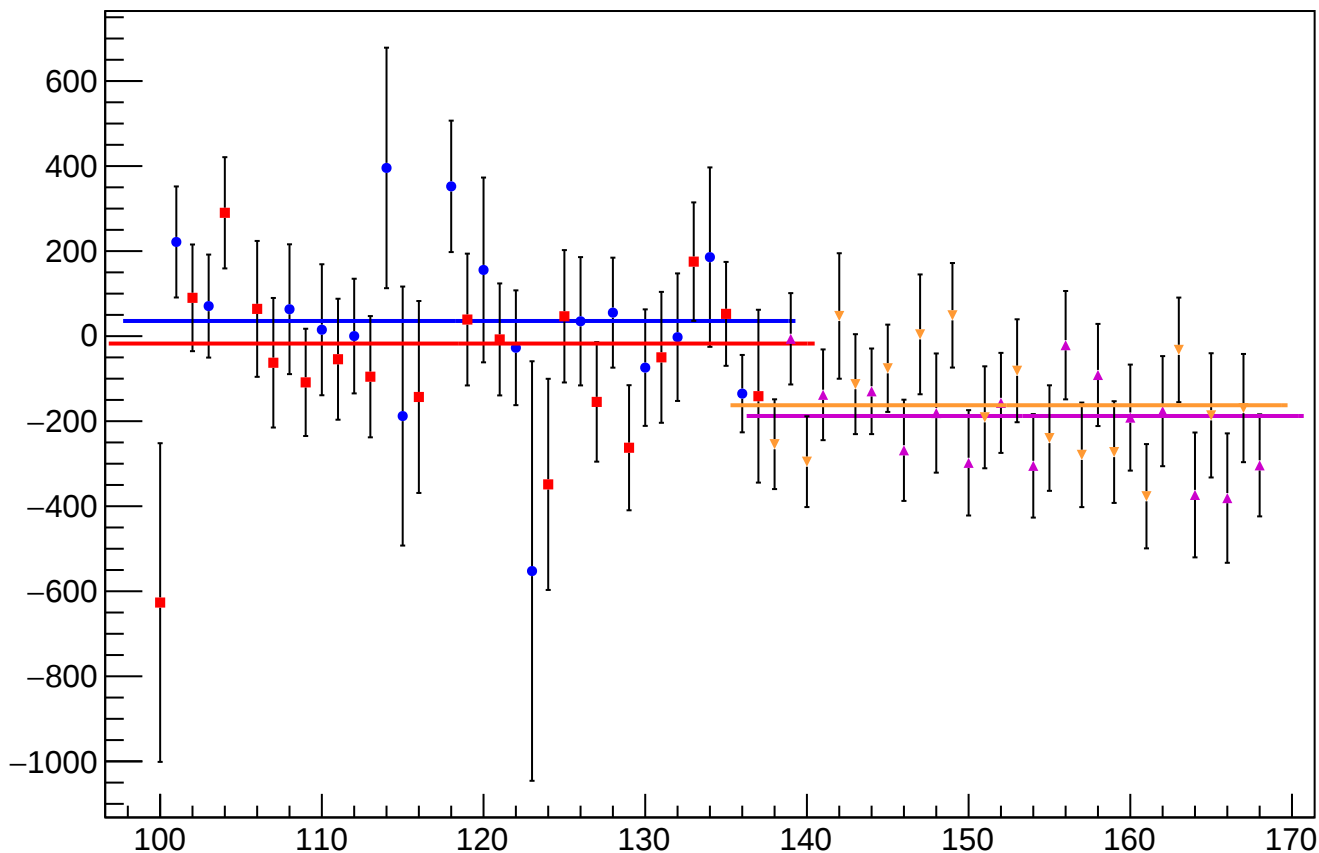
Right: 1255.580 $\pm$ 0.252 χ^2/NDF : 2520360.3/35

In: 1189.899 $\pm$ 0.202 χ^2/NDF : 1693223.8/31

Out: 1177.569 $\pm$ 0.196 χ^2/NDF : 1930328.4/34

All: 1183.573 $\pm$ 0.141 χ^2/NDF : 3625471.4/66

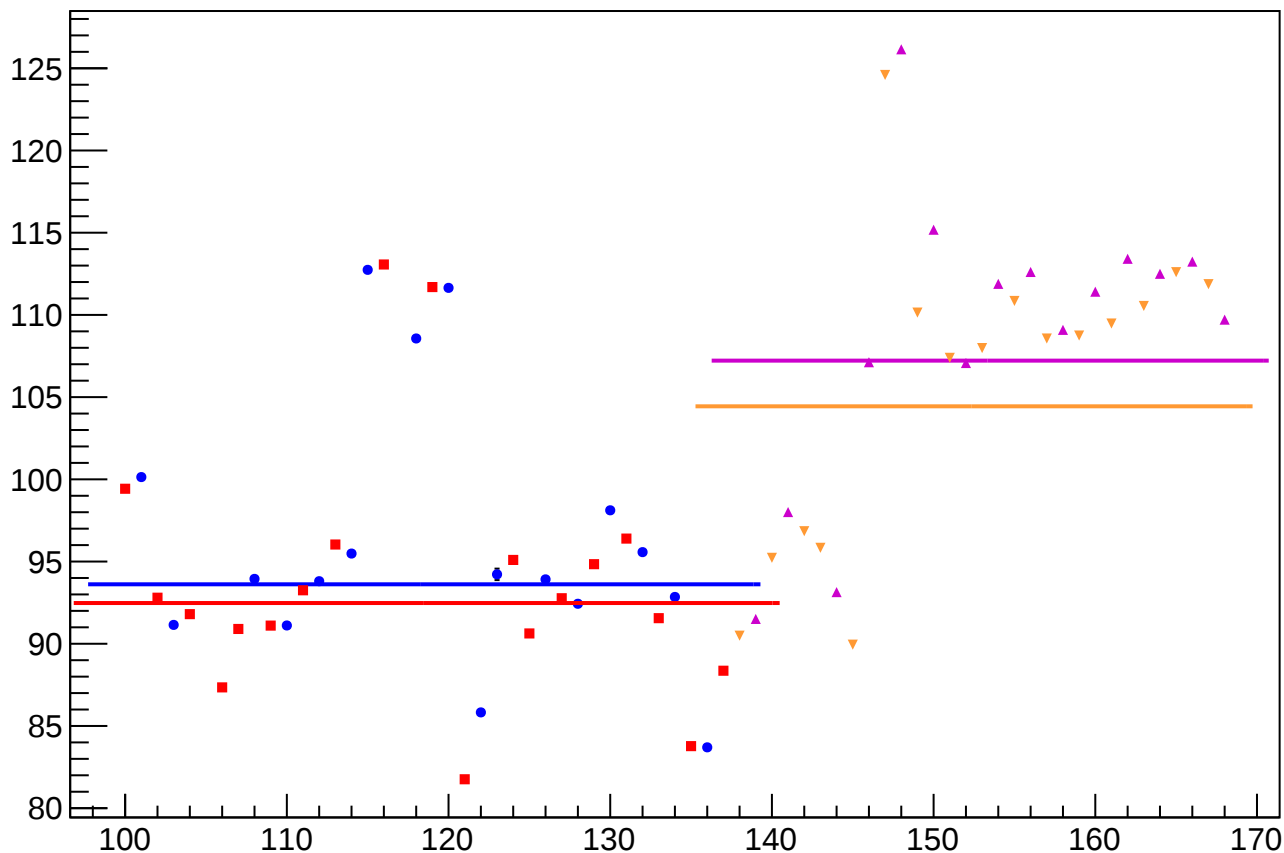
reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$
 Left Out: -162.505 ± 30.329 $\chi^2/\text{NDF}: 16.4/15$
 Right Out: -17.418 ± 34.691 $\chi^2/\text{NDF}: 18.9/18$
 Left In: -187.779 ± 31.413 $\chi^2/\text{NDF}: 12.2/14$

Left: -174.698 ± 21.819 $\chi^2/\text{NDF}: 28.9/30$
 Right: 7.891 ± 25.096 $\chi^2/\text{NDF}: 35.3/35$
 In: -92.245 ± 23.768 $\chi^2/\text{NDF}: 49.1/31$
 Out: -99.651 ± 22.833 $\chi^2/\text{NDF}: 45.2/34$
 All: -96.096 ± 16.466 $\chi^2/\text{NDF}: 94.4/66$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 104.441+/-0.021 χ^2/NDF : 185380.2/15

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

Left In: 107.220+/-0.022 χ^2/NDF : 161985.2/14

Left: 105.782+/-0.015 χ^2/NDF : 355464.2/30

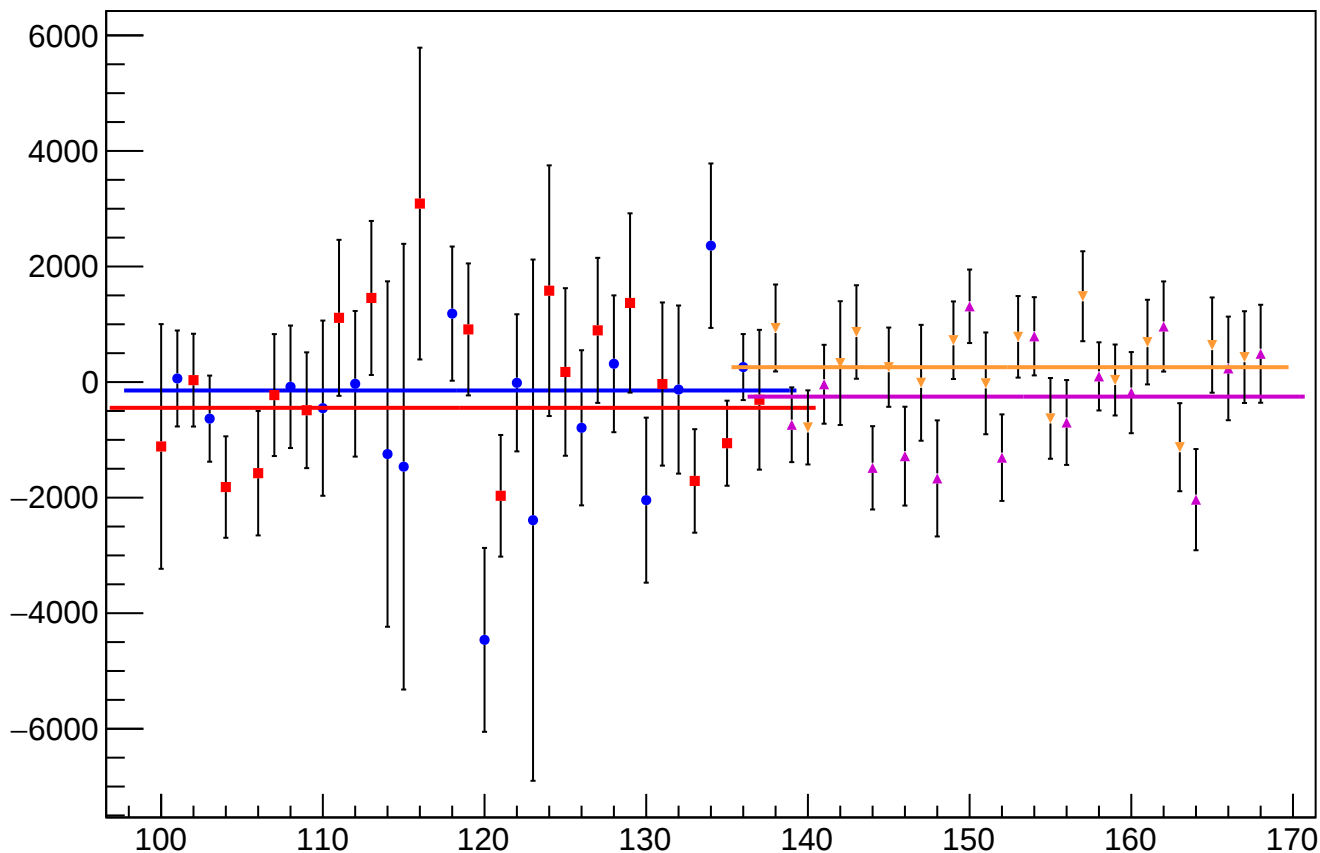
Right: 93.020+/-0.018 χ^2/NDF : 159546.8/35

In: 101.404+/-0.017 χ^2/NDF : 402269.0/31

Out: 99.258+/-0.016 χ^2/NDF : 398792.8/34

All: 100.288+/-0.012 χ^2/NDF : 809537.8/66

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 ± 276.629 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 257.838 ± 188.217 $\chi^2/\text{NDF}: 13.4/15$

Right Out: -445.575 ± 260.276 $\chi^2/\text{NDF}: 19.0/18$

Left In: -251.929 ± 190.367 $\chi^2/\text{NDF}: 25.8/14$

Left: 5.849 ± 133.843 $\chi^2/\text{NDF}: 42.8/30$

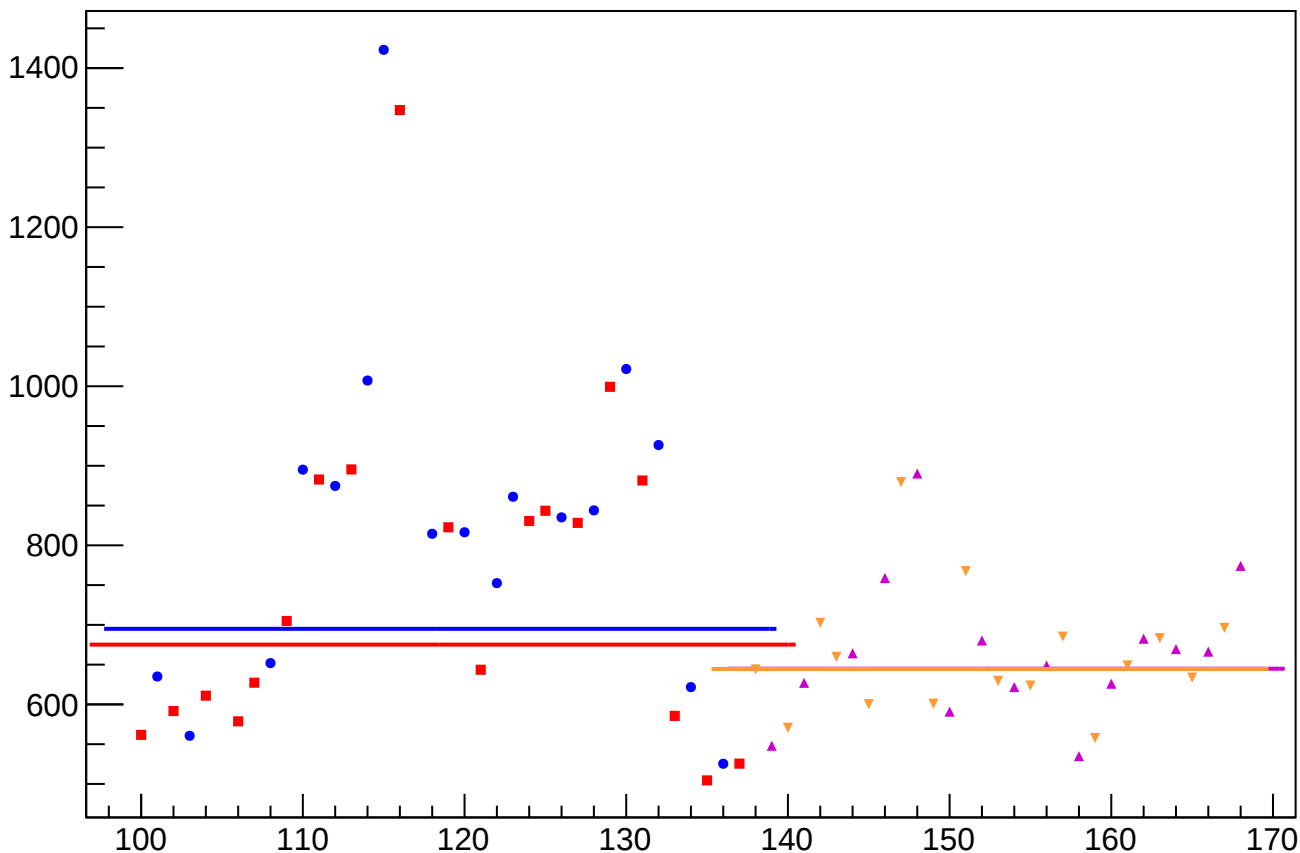
Right: -304.652 ± 189.560 $\chi^2/\text{NDF}: 35.1/35$

In: -217.714 ± 156.821 $\chi^2/\text{NDF}: 41.4/31$

Out: 16.304 ± 152.517 $\chi^2/\text{NDF}: 37.2/34$

All: -97.449 ± 109.336 $\chi^2/\text{NDF}: 79.7/66$

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: 644.544 $\pm$ 0.133 χ^2 /NDF: 260986.7/15

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

Left In: 644.884 $\pm$ 0.135 χ^2 /NDF: 348743.5/14

Left: 644.712 $\pm$ 0.095 χ^2 /NDF: 609733.5/30

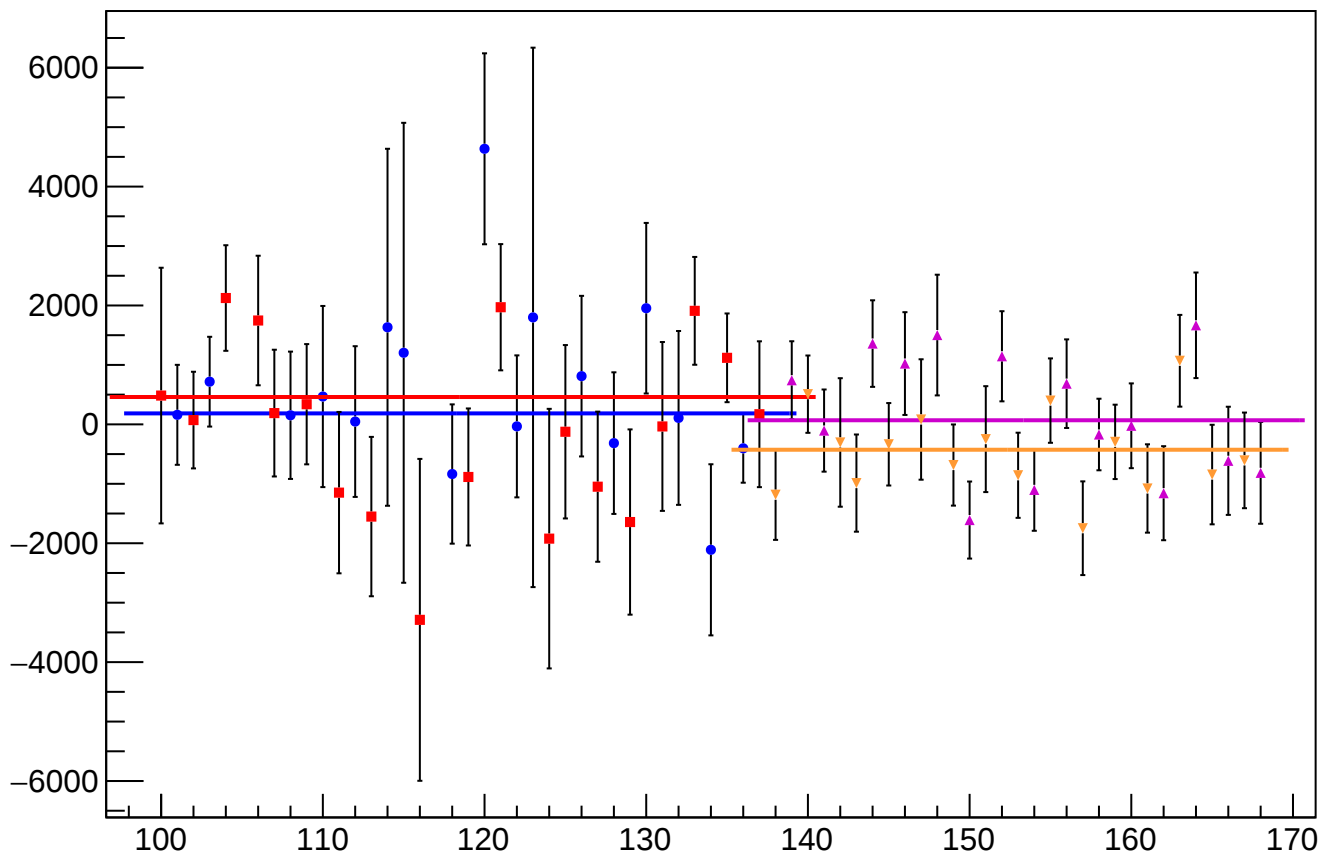
Right: 684.478 $\pm$ 0.134 χ^2 /NDF: 1359576.7/35

In: 660.995 $\pm$ 0.111 χ^2 /NDF: 1071027.7/31

Out: 655.054 $\pm$ 0.108 χ^2 /NDF: 955540.3/34

All: 657.942 $\pm$ 0.077 χ^2 /NDF: 2028043.0/66

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 ± 279.390 $\chi^2/\text{NDF}: 14.9/16$

Left Out: -426.898 ± 190.812 $\chi^2/\text{NDF}: 13.4/15$

Right Out: 460.174 ± 262.960 $\chi^2/\text{NDF}: 22.3/18$

Left In: 68.990 ± 193.133 $\chi^2/\text{NDF}: 27.2/14$

Left: -181.952 ± 135.738 $\chi^2/\text{NDF}: 43.9/30$

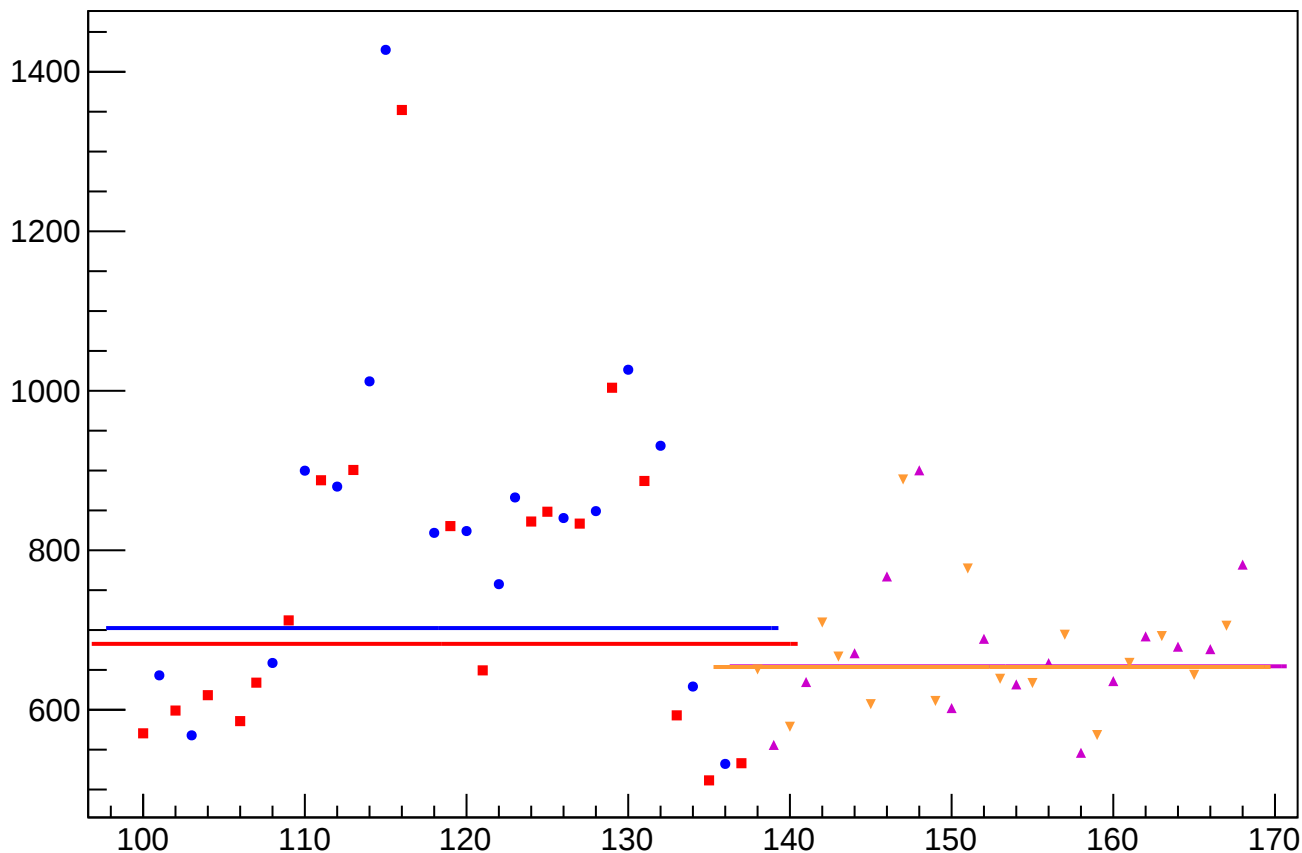
Right: 330.689 ± 191.486 $\chi^2/\text{NDF}: 37.7/35$

In: 106.345 ± 158.870 $\chi^2/\text{NDF}: 42.3/31$

Out: -120.926 ± 154.437 $\chi^2/\text{NDF}: 43.1/34$

All: -10.505 ± 110.738 $\chi^2/\text{NDF}: 86.5/66$

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 653.648+/-0.135 χ^2/NDF : 254139.3/15

Right Out: 682.662+/-0.186 χ^2/NDF : 659521.7/18

Left In: 654.530+/-0.137 χ^2/NDF : 336134.5/14

Left: 654.083+/-0.096 χ^2/NDF : 590294.9/30

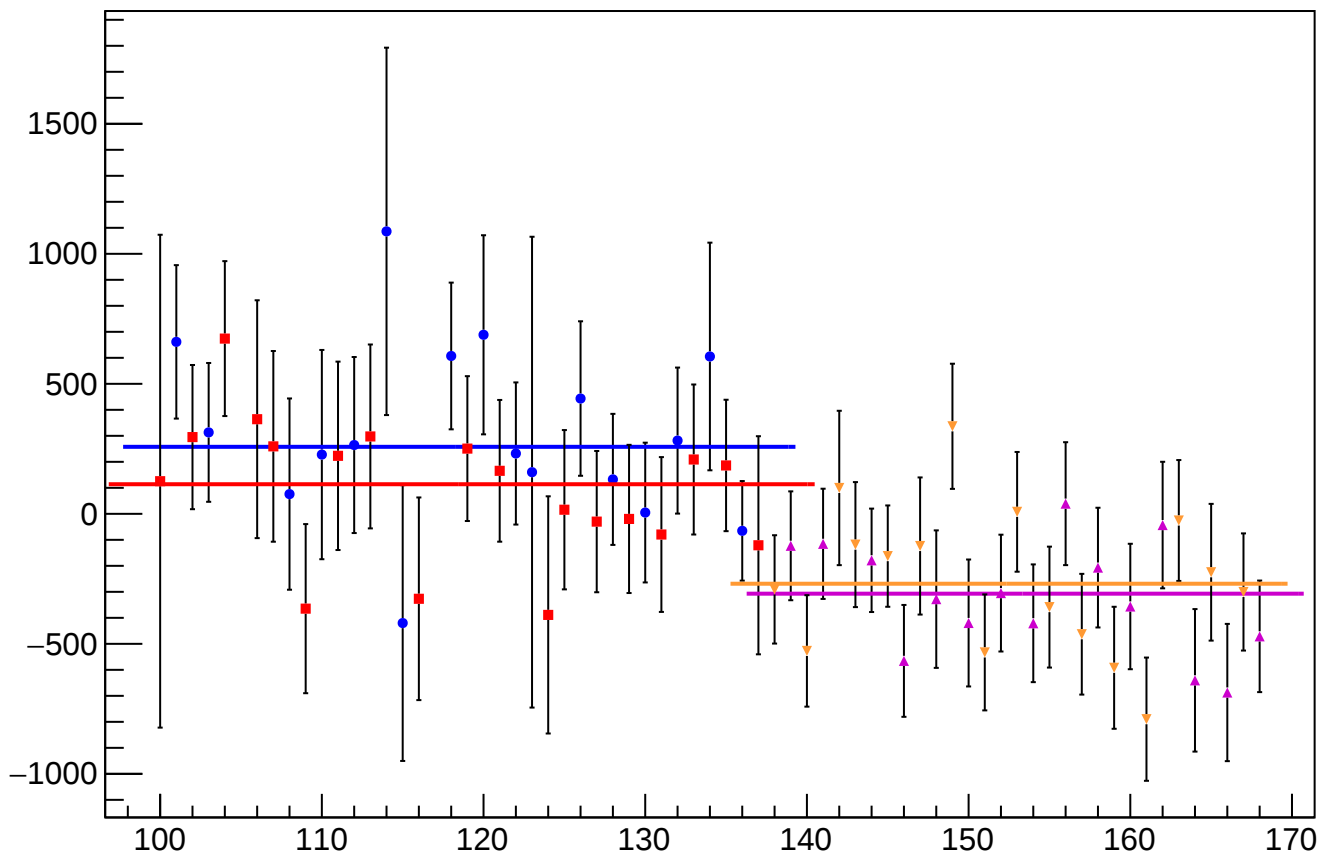
Right: 691.966+/-0.135 χ^2/NDF : 1325377.5/35

In: 670.030+/-0.112 χ^2/NDF : 1036503.6/31

Out: 663.655+/-0.109 χ^2/NDF : 929610.5/34

All: 666.753+/-0.078 χ^2/NDF : 1967769.8/66

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -268.834 ± 58.116 $\chi^2/\text{NDF}: 21.9/15$

Right Out: 113.851 ± 74.211 $\chi^2/\text{NDF}: 11.2/18$

Left In: -307.096 ± 59.484 $\chi^2/\text{NDF}: 11.6/14$

Left: -287.520 ± 41.569 $\chi^2/\text{NDF}: 33.7/30$

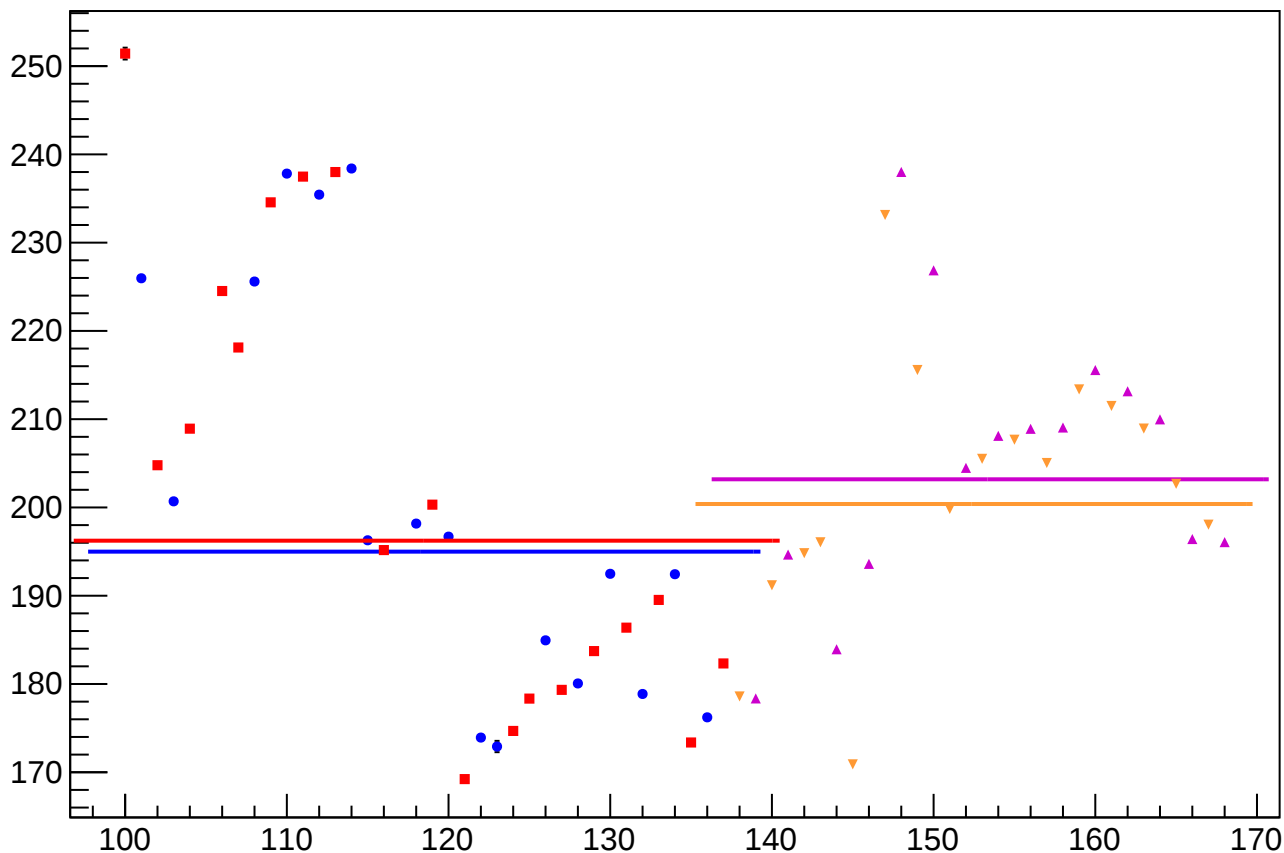
Right: 184.138 ± 53.073 $\chi^2/\text{NDF}: 26.1/35$

In: -92.291 ± 46.826 $\chi^2/\text{NDF}: 58.9/31$

Out: -123.360 ± 45.755 $\chi^2/\text{NDF}: 49.6/34$

All: -108.185 ± 32.726 $\chi^2/\text{NDF}: 108.7/66$

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 200.390 $\pm$ 0.041 χ^2 /NDF:128918.1/15

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

Left In: 203.189 $\pm$ 0.042 χ^2 /NDF:124419.7/14

Left: 201.757 $\pm$ 0.029 χ^2 /NDF: 255603.3/30

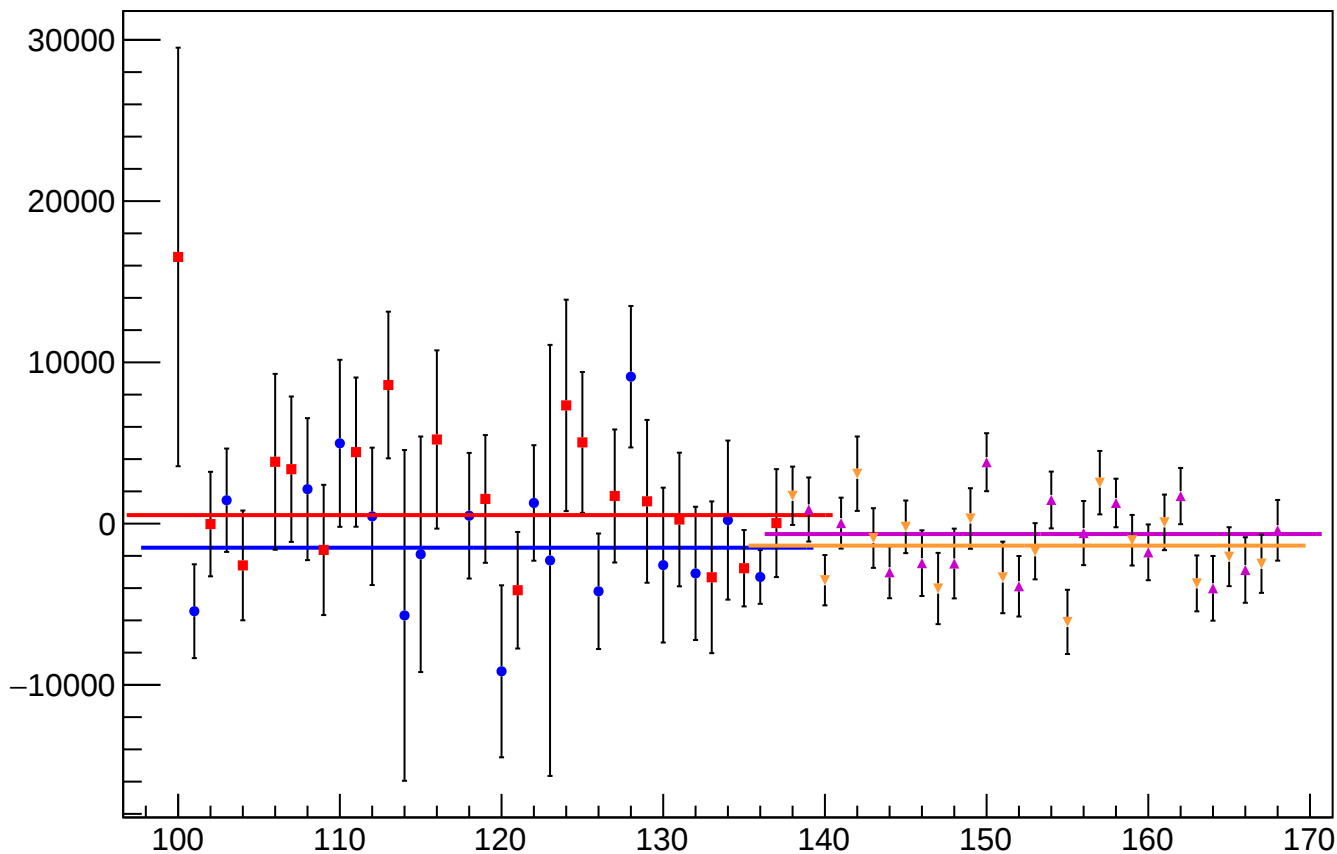
Right: 195.629 $\pm$ 0.038 χ^2 /NDF: 318035.8/35

In: 200.073 $\pm$ 0.033 χ^2 /NDF:283127.6/31

Out: 198.811 $\pm$ 0.032 χ^2 /NDF:306297.0/34

All: 199.427 $\pm$ 0.023 χ^2 /NDF: 590167.7/66

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: -1363.372 $\pm$ 457.138 χ^2 /NDF:24.9/15

Right Out: 528.758 $\pm$ 934.718 χ^2 /NDF: 14.6/18

Left In: -645.751 $\pm$ 469.304 χ^2 /NDF:22.9/14

Left: -1013.984 $\pm$ 327.462 χ^2 /NDF: 49.0/30

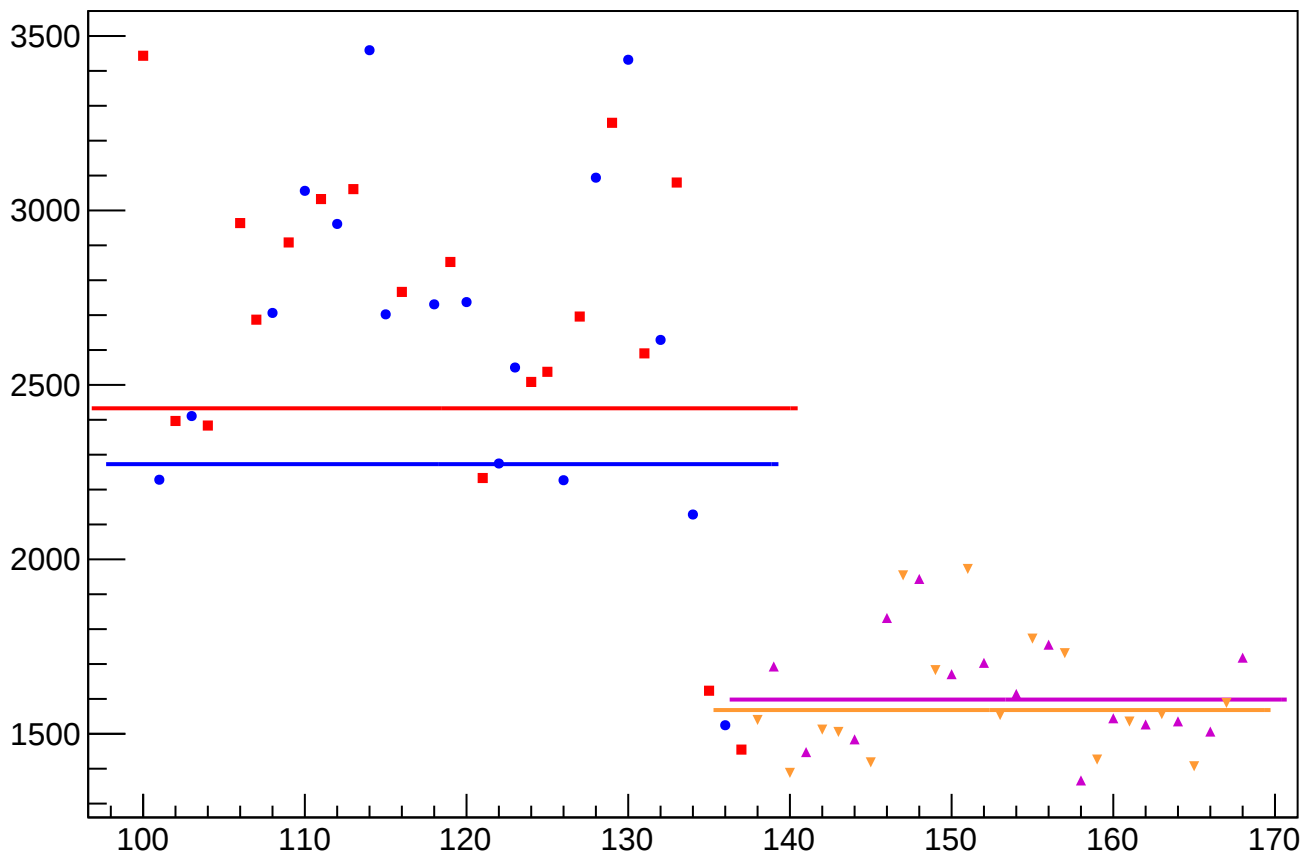
Right: -508.424 $\pm$ 652.337 χ^2 /NDF: 33.2/35

In: -823.550 $\pm$ 417.183 χ^2 /NDF:39.7/31

Out: -998.157 $\pm$ 410.657 χ^2 /NDF:42.8/34

All: -912.230 $\pm$ 292.658 χ^2 /NDF: 82.7/66

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1568.095+/-0.323 χ^2/NDF : 250419.9/15

Right Out: 2432.950+/-0.661 χ^2/NDF : 680783.9/18

Left In: 1598.144+/-0.332 χ^2/NDF : 199288.2/14

Left: 1582.725+/-0.232 χ^2/NDF : 453915.6/30

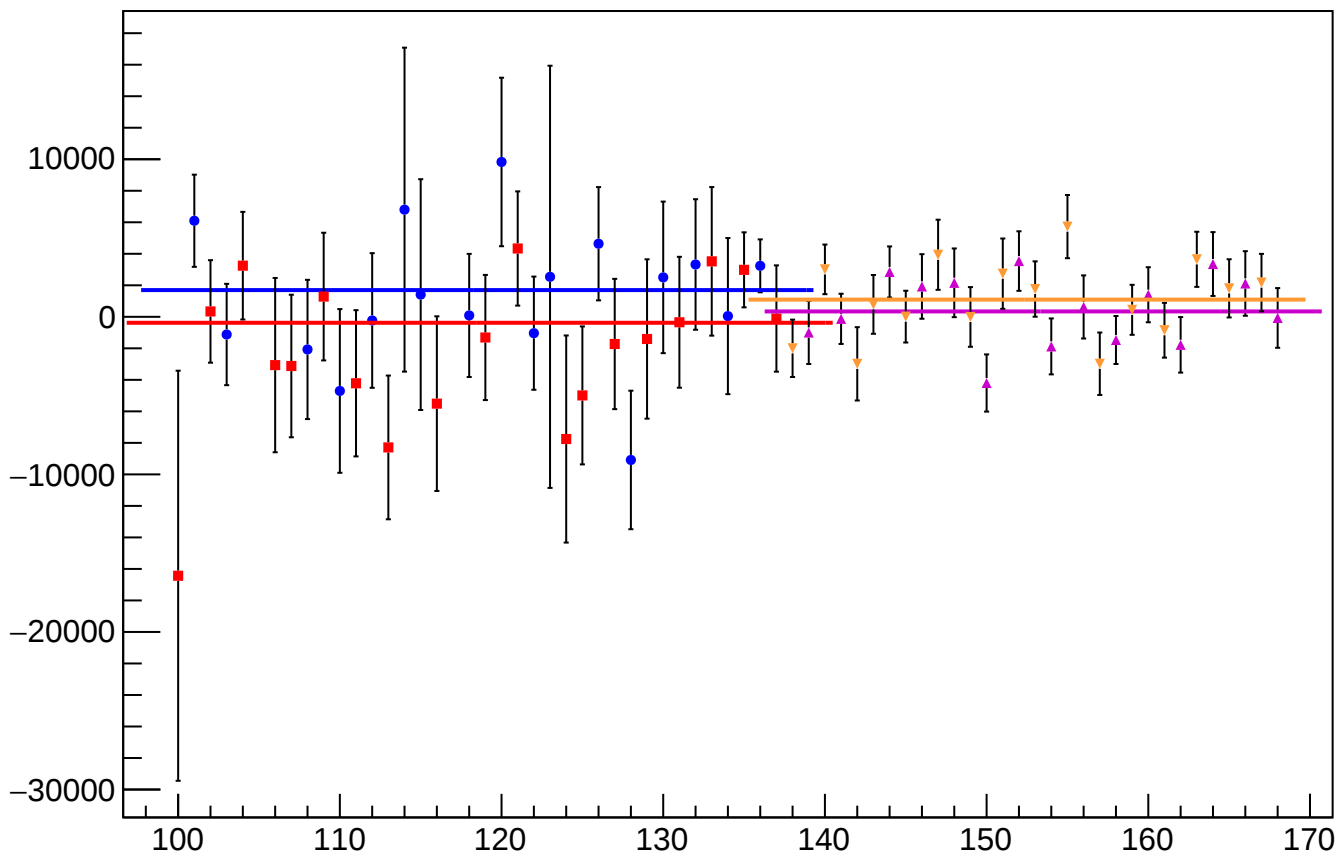
Right: 2350.846+/-0.461 χ^2/NDF : 1516518.2/35

In: 1739.695+/-0.295 χ^2/NDF : 1872237.1/31

Out: 1735.027+/-0.290 χ^2/NDF : 2312923.3/34

All: 1737.324+/-0.207 χ^2/NDF : 4185287.6/66

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2/NDF : 16.6/16

Left Out: 1092.829 $\pm$ 461.018 χ^2/NDF : 24.2/15

Right Out: -377.629 $\pm$ 938.528 χ^2/NDF : 15.0/18

Left In: 341.780 $\pm$ 473.280 χ^2/NDF : 21.2/14

Left: 727.161 $\pm$ 330.239 χ^2/NDF : 46.6/30

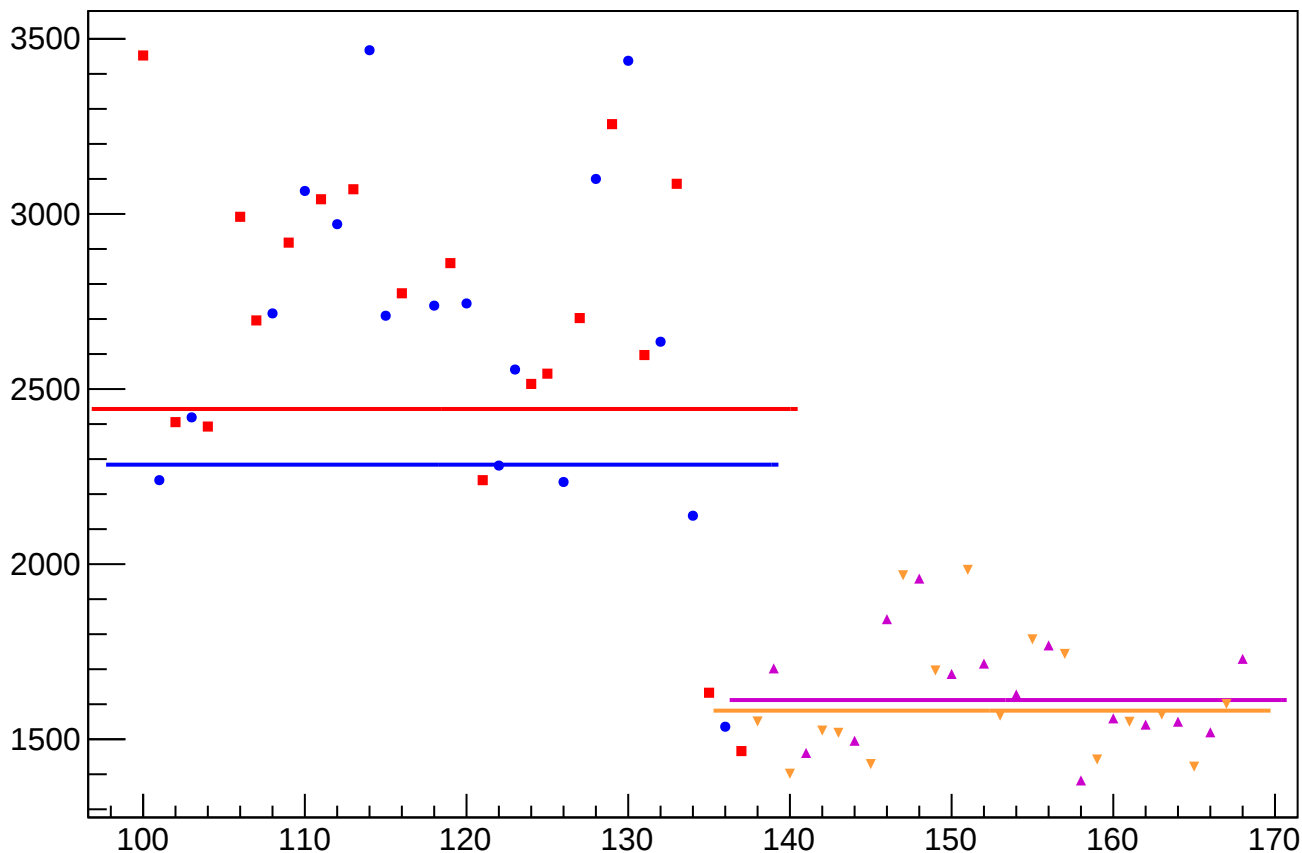
Right: 685.645 $\pm$ 655.109 χ^2/NDF : 34.1/35

In: 627.681 $\pm$ 420.361 χ^2/NDF : 39.5/31

Out: 806.991 $\pm$ 413.791 χ^2/NDF : 41.1/34

All: 718.748 $\pm$ 294.890 χ^2/NDF : 80.7/66

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1581.687+/-0.326 χ^2/NDF : 245694.0/15

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

Left In: 1611.956+/-0.335 χ^2/NDF : 194113.8/14

Left: 1596.424+/-0.234 χ^2/NDF : 444005.5/30

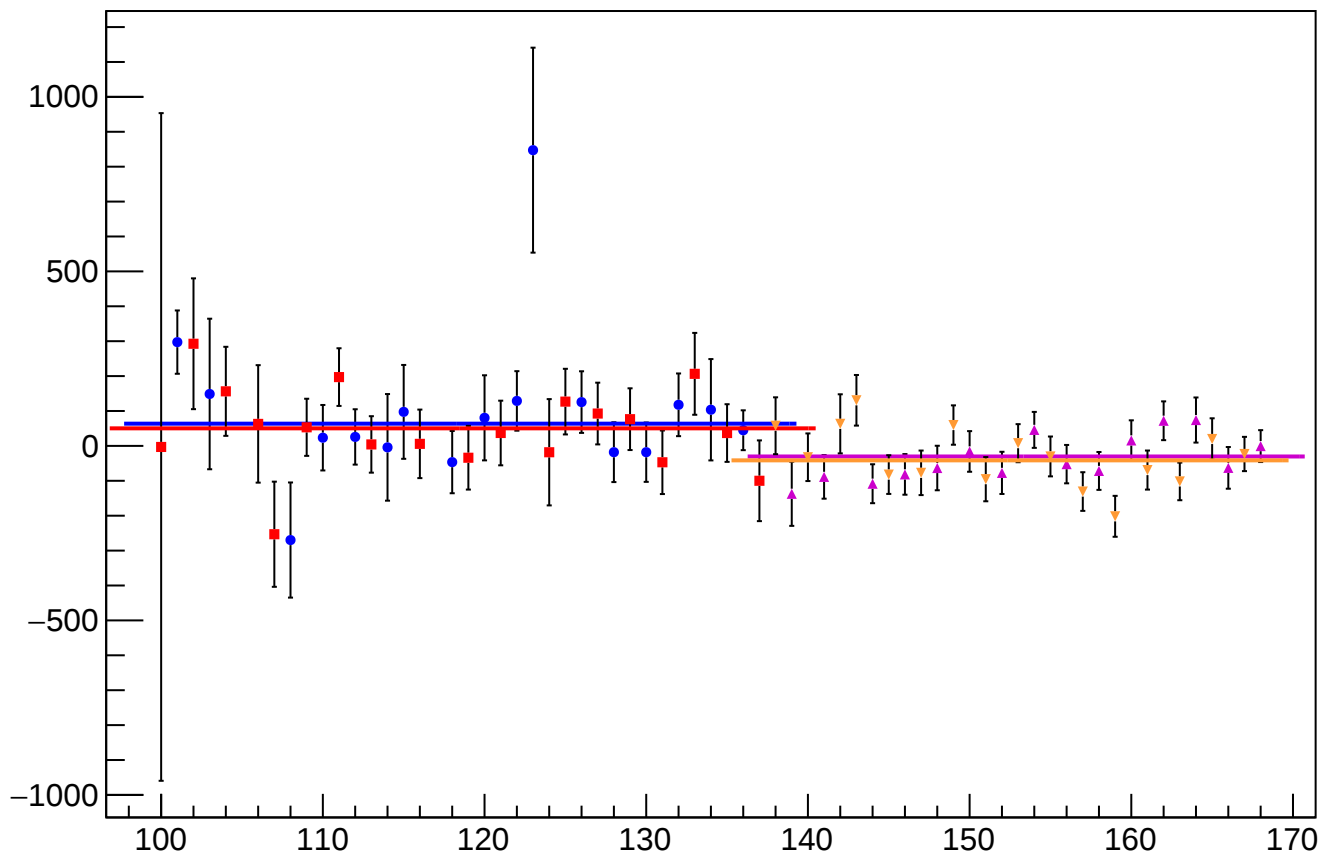
Right: 2361.583+/-0.463 χ^2/NDF : 1496334.9/35

In: 1753.863+/-0.297 χ^2/NDF : 1839759.9/31

Out: 1749.139+/-0.293 χ^2/NDF : 2275996.6/34

All: 1751.464+/-0.209 χ^2/NDF : 4115884.7/66

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -41.433 ± 14.986 χ^2/NDF : 27.1/15

Right Out: 50.278 ± 23.661 χ^2/NDF : 16.8/18

Left In: -30.346 ± 14.946 χ^2/NDF : 16.2/14

Left: -35.875 ± 10.583 χ^2/NDF : 43.6/30

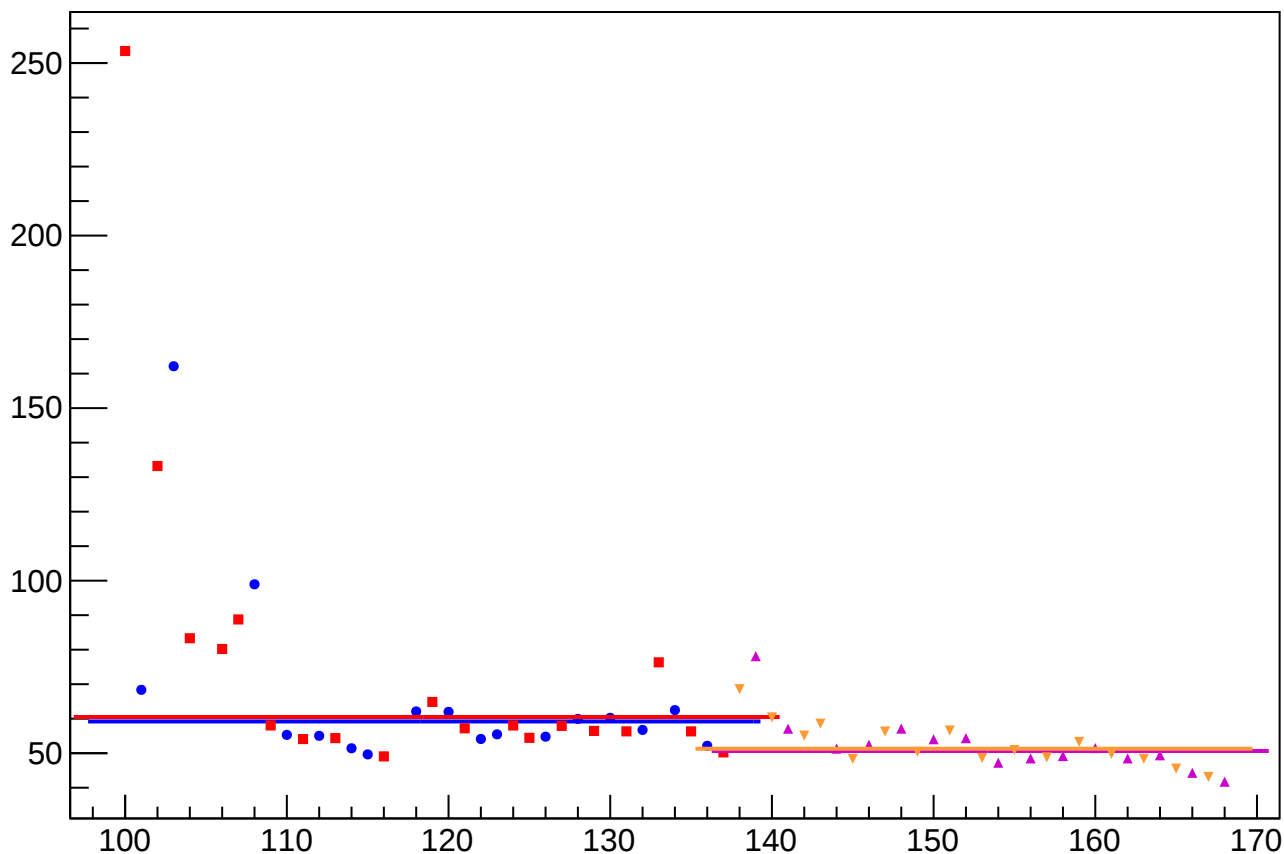
Right: 56.949 ± 16.760 χ^2/NDF : 40.6/35

In: -3.664 ± 12.649 χ^2/NDF : 51.1/31

Out: -15.176 ± 12.660 χ^2/NDF : 54.6/34

All: -9.415 ± 8.948 χ^2/NDF : 106.1/66

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 51.297 $\pm$ 0.011 χ^2 /NDF: 274532.2/15

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

Left In: 50.645 $\pm$ 0.011 χ^2 /NDF: 352962.0/14

Left: 50.970 $\pm$ 0.007 χ^2 /NDF: 629395.3/30

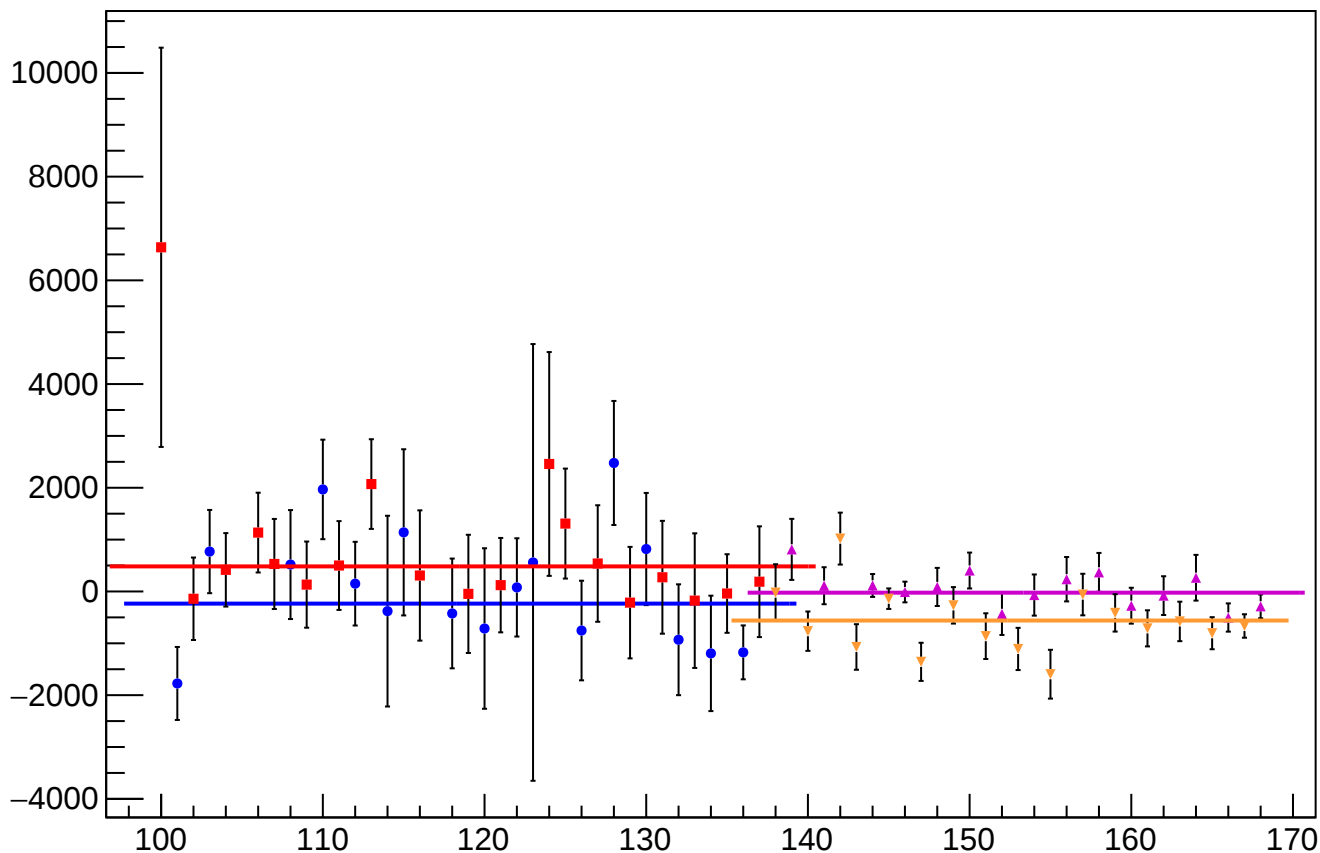
Right: 59.844 $\pm$ 0.012 χ^2 /NDF: 1348461.0/35

In: 53.073 $\pm$ 0.009 χ^2 /NDF: 1204425.8/31

Out: 53.927 $\pm$ 0.009 χ^2 /NDF: 1169723.2/34

All: 53.500 $\pm$ 0.006 χ^2 /NDF: 2378705.4/66

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492+/-233.880 χ^2/NDF : 24.2/16

Left Out: -560.597+/-85.998 χ^2/NDF :32.4/15

Right Out: 483.305+/-222.314 χ^2/NDF : 10.6/18

Left In: -23.512+/-81.562 χ^2/NDF :12.0/14

Left: -277.846+/-59.179 χ^2/NDF : 64.9/30

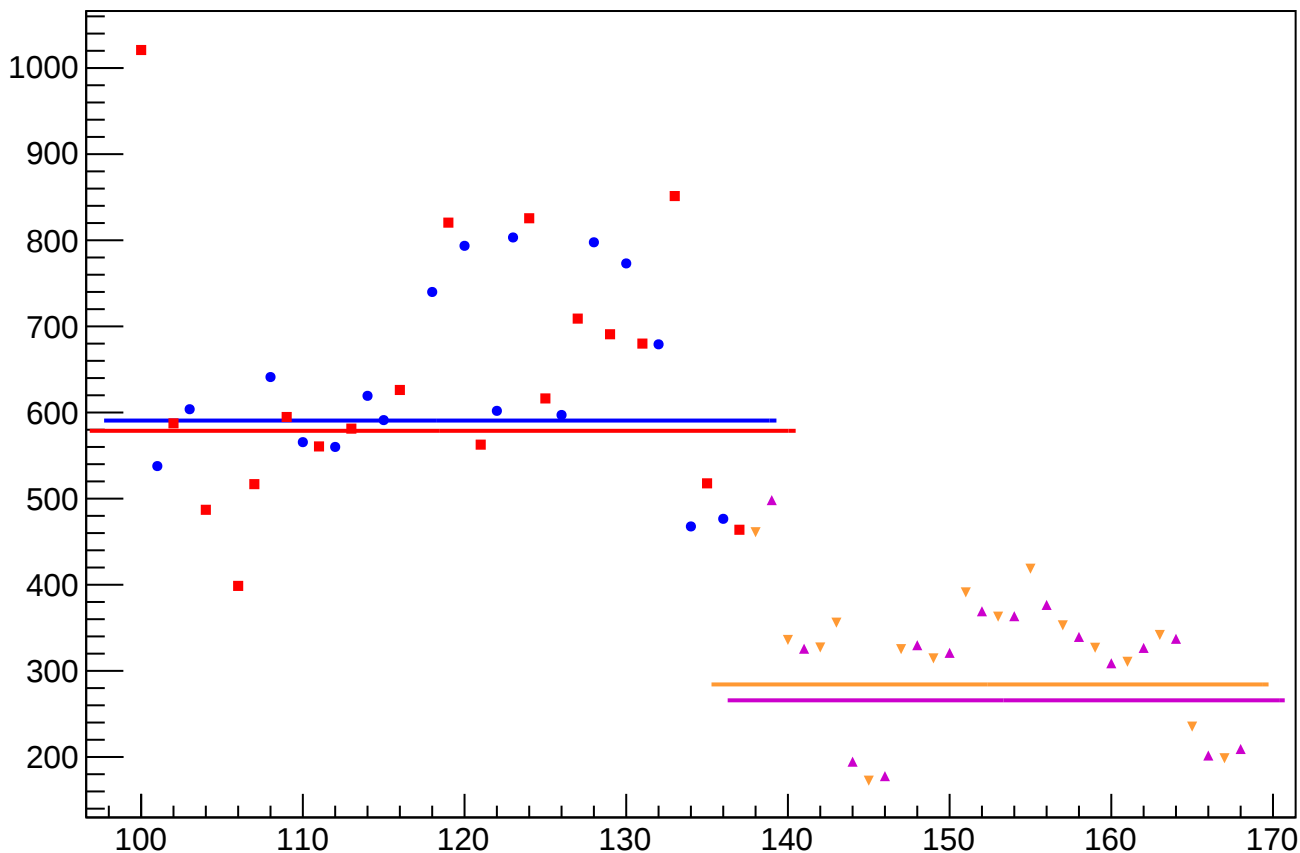
Right: 142.594+/-161.133 χ^2/NDF : 39.7/35

In: -46.388+/-77.014 χ^2/NDF :37.0/31

Out: -424.721+/-80.206 χ^2/NDF :62.1/34

All: -227.875+/-55.551 χ^2/NDF : 110.6/66

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 284.246+/-0.061 χ^2/NDF : 1826821.4/15

Right Out: 578.753+/-0.157 χ^2/NDF : 493962.7/18

Left In: 265.800+/-0.058 χ^2/NDF : 1908383.4/14

Left: 274.535+/-0.042 χ^2/NDF : 3783649.8/30

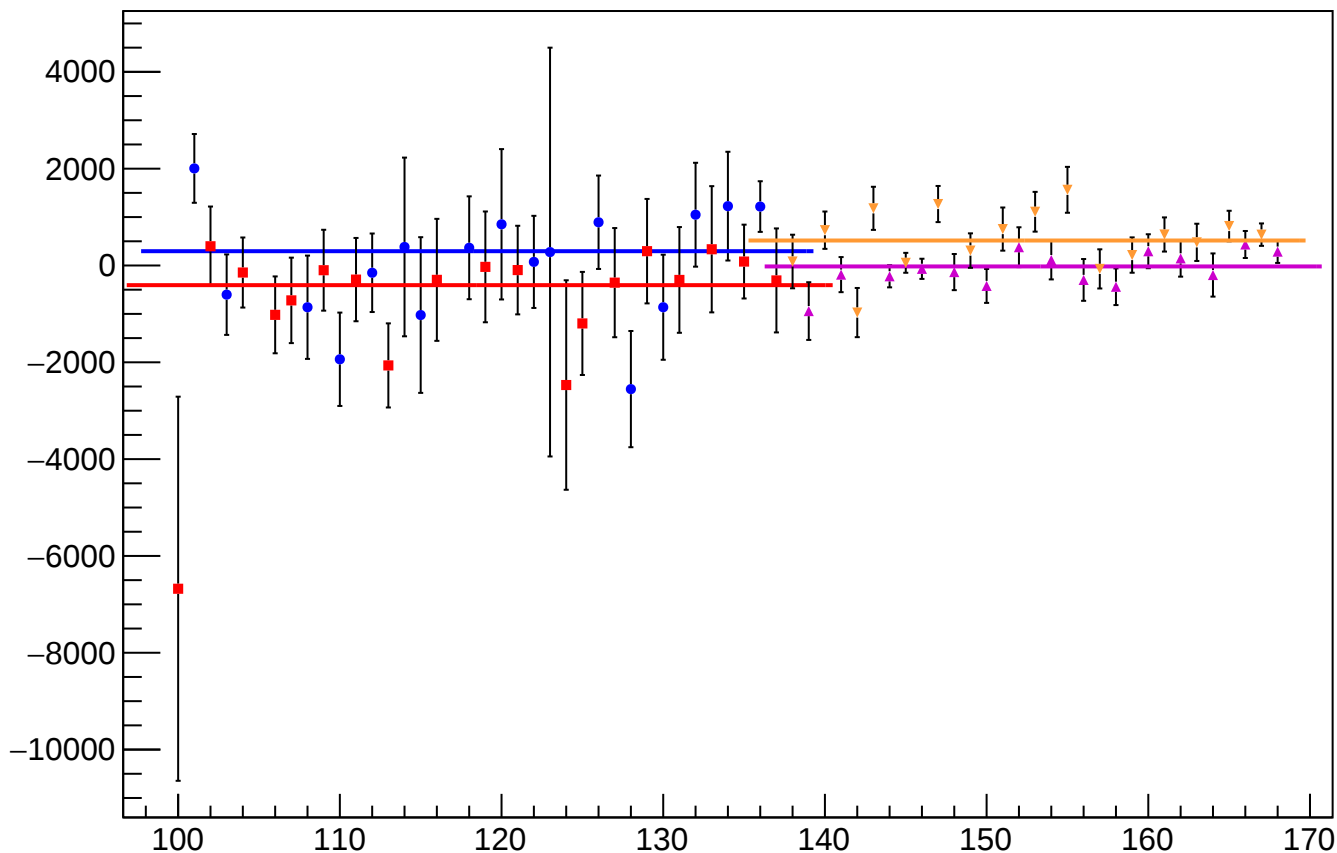
Right: 584.404+/-0.114 χ^2/NDF : 848765.8/35

In: 301.024+/-0.054 χ^2/NDF : 5700722.3/31

Out: 322.580+/-0.057 χ^2/NDF : 5373775.9/34

All: 311.364+/-0.039 χ^2/NDF : 11149659.0/60

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 516.135 $\pm$ 87.664 χ^2 /NDF:32.5/15

Right Out: -406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

Left In: -19.567 $\pm$ 83.416 χ^2 /NDF:13.1/14

Left: 234.989 $\pm$ 60.430 χ^2 /NDF: 65.2/30

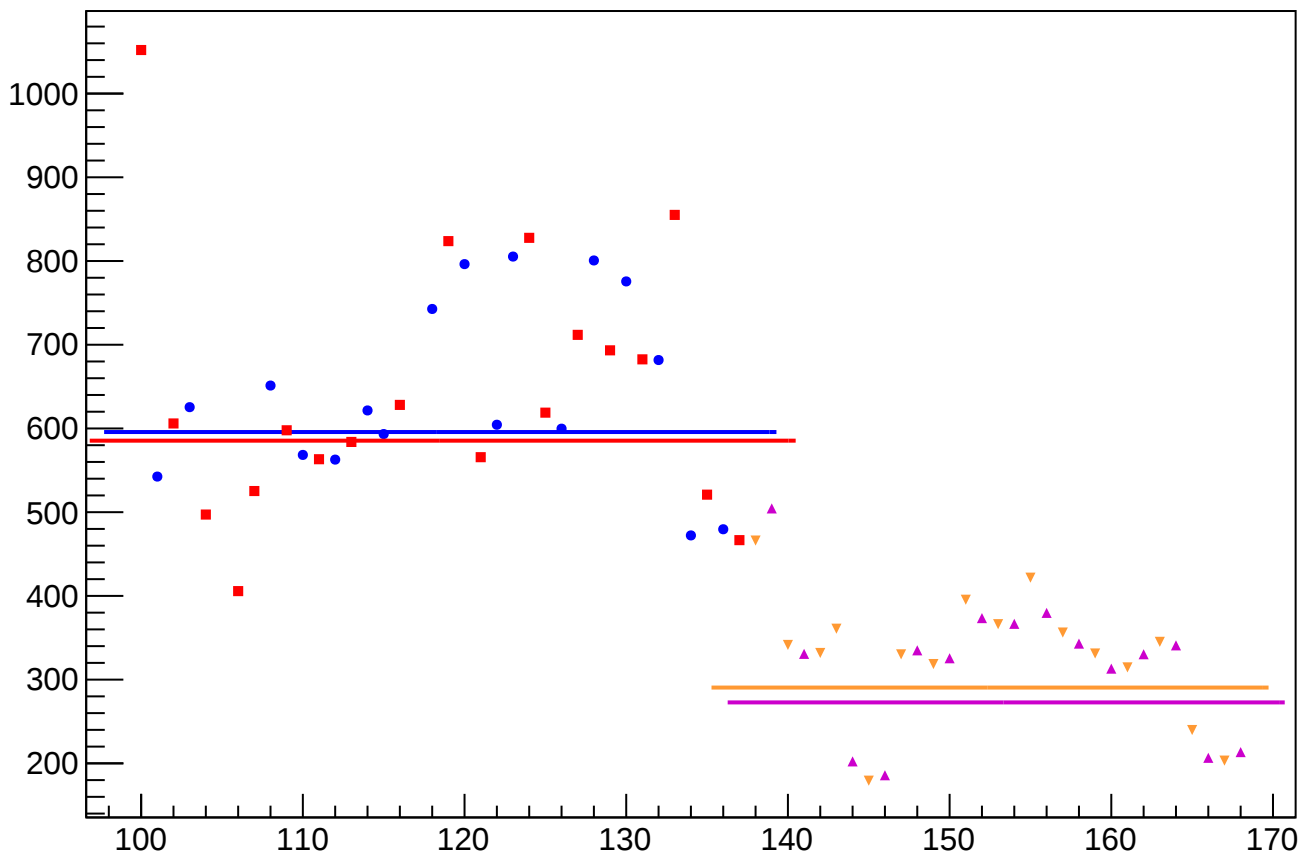
Right: -72.128 $\pm$ 162.748 χ^2 /NDF: 41.7/35

In: 15.449 $\pm$ 78.643 χ^2 /NDF:40.8/31

Out: 394.444 $\pm$ 81.676 χ^2 /NDF:58.1/34

All: 197.777 $\pm$ 56.651 χ^2 /NDF: 110.0/66

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 290.525 $\pm$ 0.062 χ^2 /NDF:1714099.2/15

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

Left In: 272.785 $\pm$ 0.059 χ^2 /NDF:1775518.8/14

Left: 281.215 $\pm$ 0.043 χ^2 /NDF: 3532600.4/30

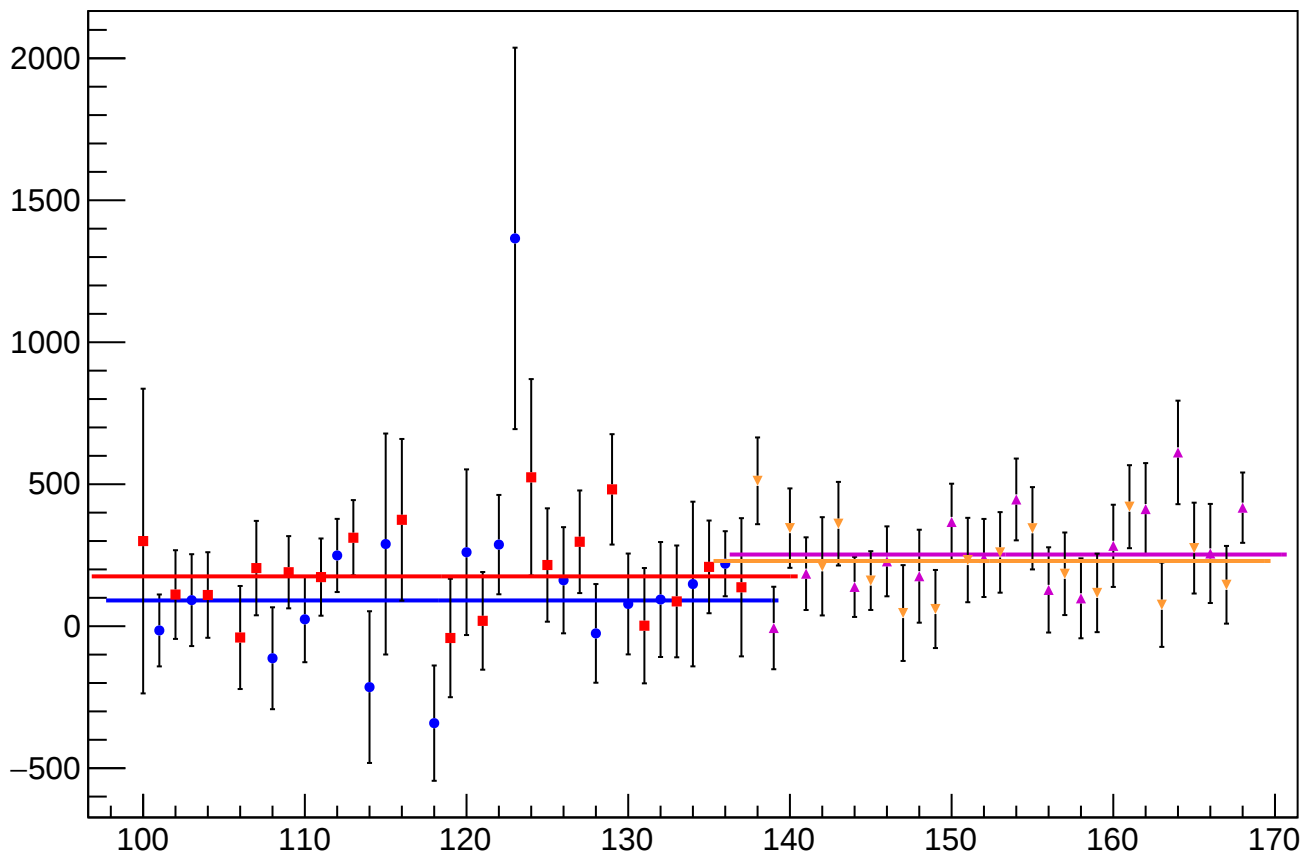
Right: 590.331 $\pm$ 0.115 χ^2 /NDF: 826533.5/35

In: 308.689 $\pm$ 0.056 χ^2 /NDF:5458331.5/31

Out: 329.435 $\pm$ 0.058 χ^2 /NDF:5174729.5/34

All: 318.669 $\pm$ 0.040 χ^2 /NDF: 10700018.8/60

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 229.702+/-35.763 χ^2/NDF :12.7/15

Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18

Left In: 252.430+/-36.130 χ^2/NDF :16.0/14

Left: 240.950+/-25.417 χ^2/NDF : 28.9/30

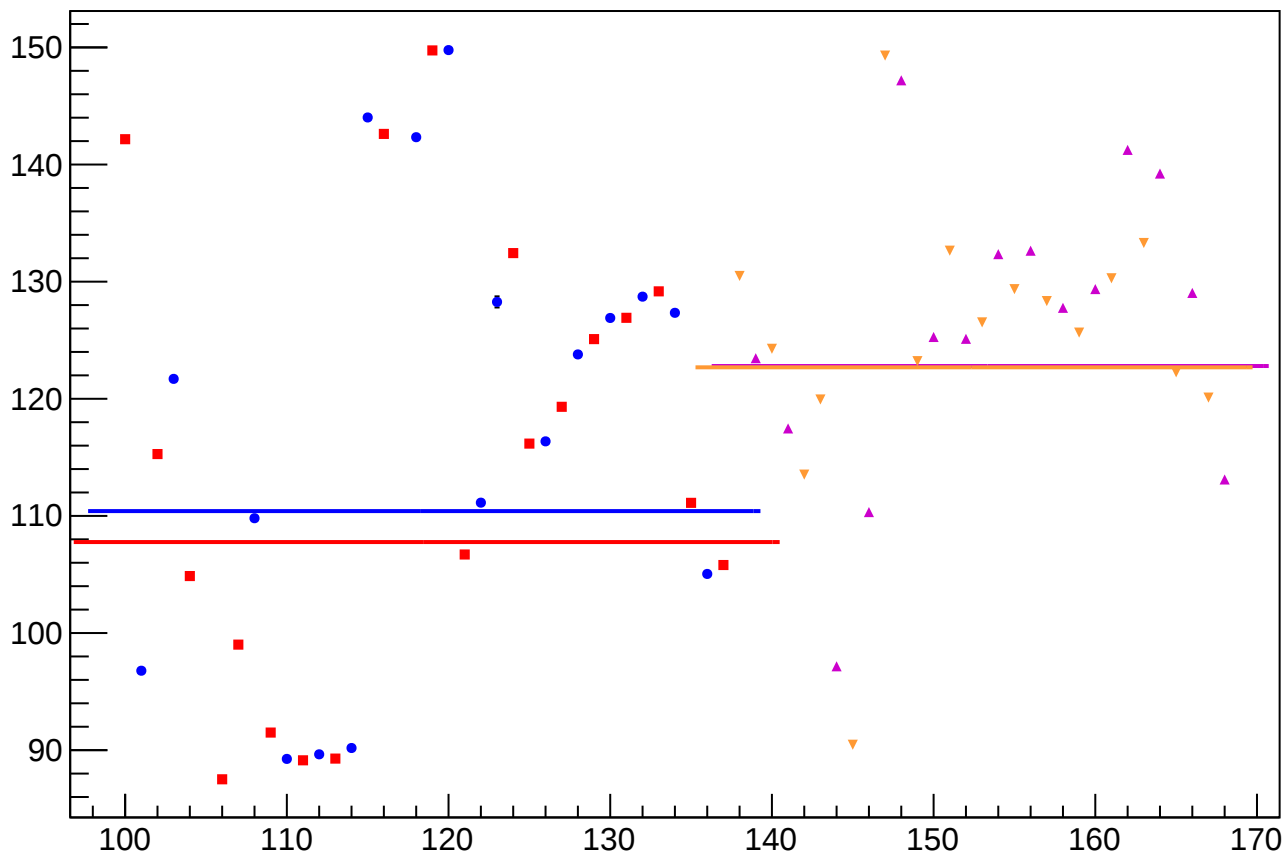
Right: 135.317+/-29.814 χ^2/NDF : 29.2/35

In: 186.072+/-27.745 χ^2/NDF :41.1/31

Out: 206.340+/-26.980 χ^2/NDF :24.0/34

All: 196.489+/-19.342 χ^2/NDF : 65.4/66

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411+/-0.031 χ^2/NDF : 296425.4/16

Left Out: 122.686+/-0.025 χ^2/NDF : 290579.4/15

Right Out: 107.768+/-0.029 χ^2/NDF : 344441.4/18

Left In: 122.798+/-0.026 χ^2/NDF : 268034.9/14

Left: 122.741+/-0.018 χ^2/NDF : 558624.1/30

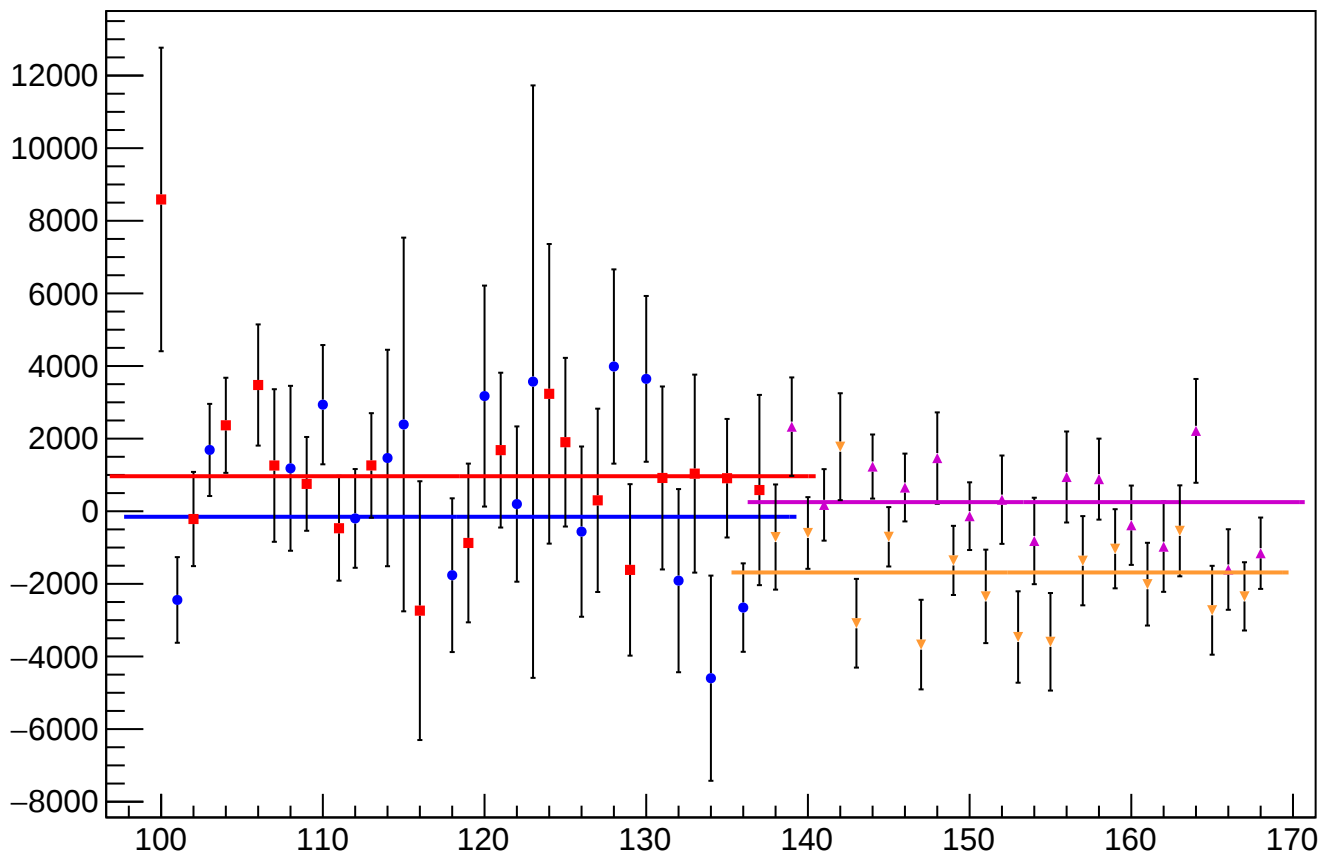
Right: 109.020+/-0.021 χ^2/NDF : 644787.1/35

In: 117.715+/-0.020 χ^2/NDF : 660914.8/31

Out: 116.258+/-0.019 χ^2/NDF : 784967.0/34

All: 116.966+/-0.014 χ^2/NDF : 1448719.6/66

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1685.997 ± 284.115 χ^2/NDF : 19.5/15

Right Out: 964.716 ± 435.111 χ^2/NDF : 12.3/18

Left In: 251.328 ± 283.661 χ^2/NDF : 14.4/14

Left: -715.785 ± 200.739 χ^2/NDF : 57.1/30

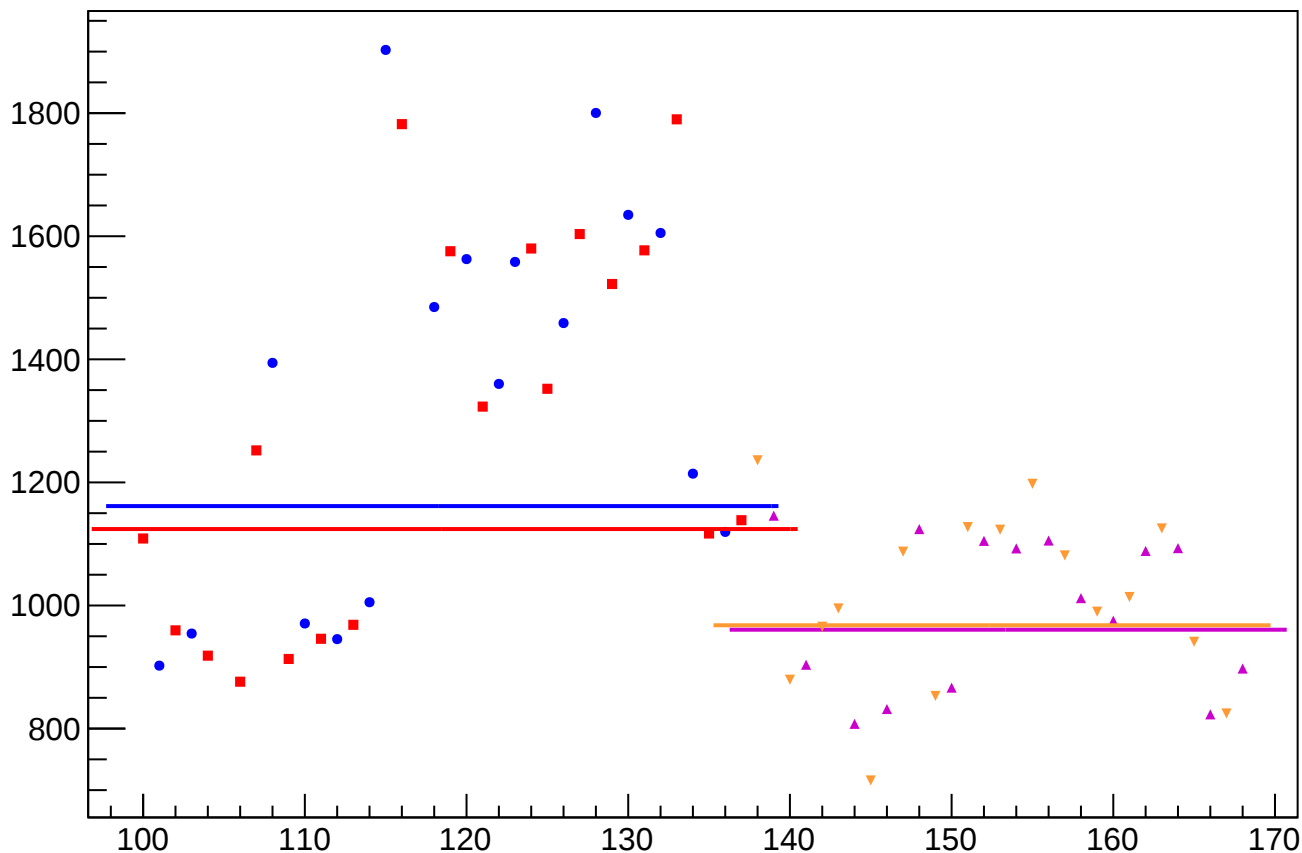
Right: 442.914 ± 317.632 χ^2/NDF : 40.0/35

In: 141.749 ± 242.125 χ^2/NDF : 39.6/31

Out: -893.644 ± 237.891 χ^2/NDF : 57.8/34

All: -385.080 ± 169.692 χ^2/NDF : 106.7/66

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: 967.887 $\pm$ 0.201 χ^2 /NDF: 543440.1/15

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

Left In: 960.662 $\pm$ 0.201 χ^2 /NDF: 357679.0/14

Left: 964.269 $\pm$ 0.142 χ^2 /NDF: 901766.8/30

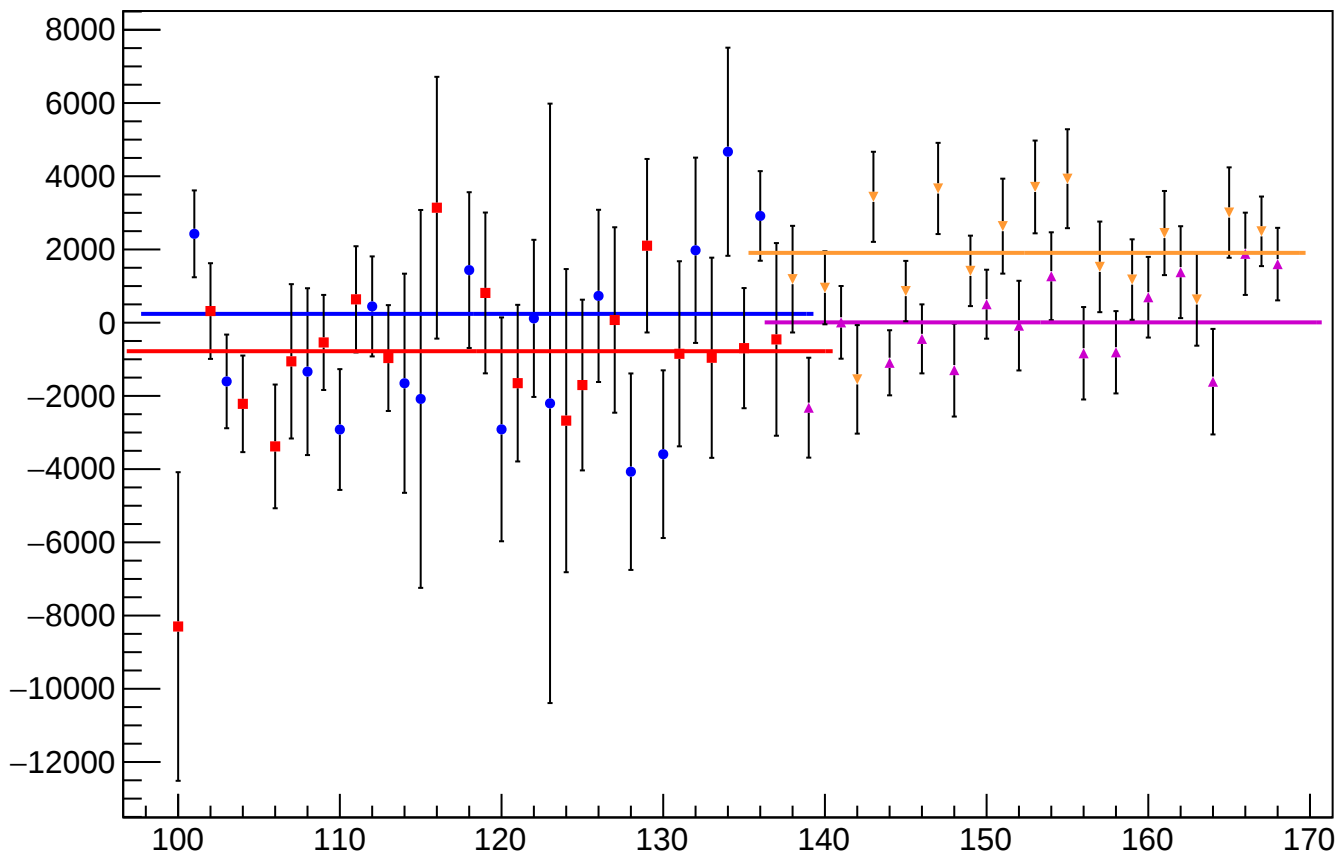
Right: 1141.655 $\pm$ 0.225 χ^2 /NDF: 1470560.5/35

In: 1015.181 $\pm$ 0.171 χ^2 /NDF: 1325785.7/31

Out: 1014.623 $\pm$ 0.168 χ^2 /NDF: 1492271.7/34

All: 1014.897 $\pm$ 0.120 χ^2 /NDF: 2818062.8/66

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1907.195 $\pm$ 286.490 χ^2 /NDF:19.5/15

Right Out: -779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

Left In: 8.524 $\pm$ 286.073 χ^2 /NDF:16.3/14

Left: 956.477 $\pm$ 202.432 χ^2 /NDF: 57.8/30

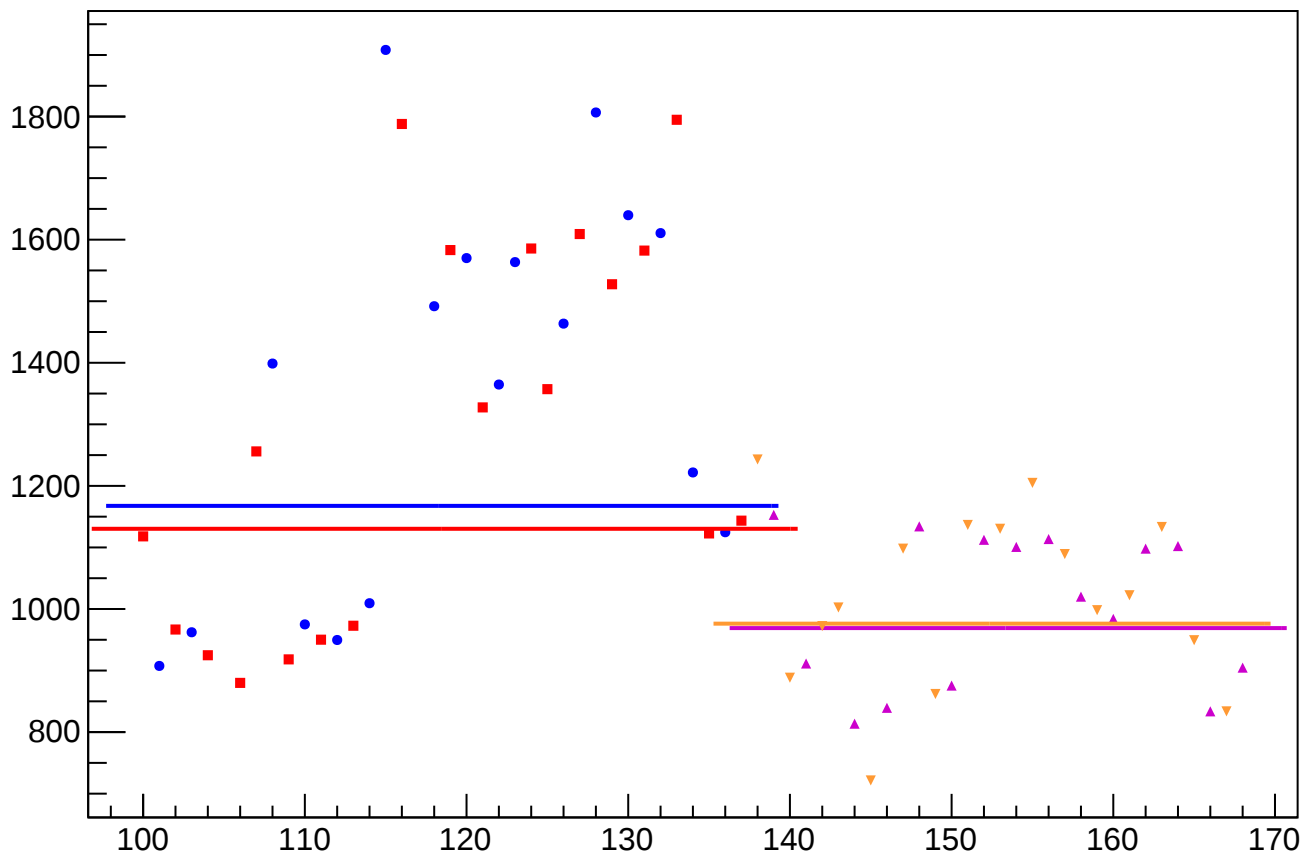
Right: -302.513 $\pm$ 319.286 χ^2 /NDF: 39.7/35

In: 71.877 $\pm$ 243.947 χ^2 /NDF:41.3/31

Out: 1100.934 $\pm$ 239.673 χ^2 /NDF:58.3/34

All: 595.499 $\pm$ 170.965 χ^2 /NDF: 108.6/66

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 976.183 $\pm$ 0.203 χ^2 /NDF: 536880.8/15

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

Left In: 968.980 $\pm$ 0.202 χ^2 /NDF: 353387.2/14

Left: 972.576 $\pm$ 0.143 χ^2 /NDF: 890901.0/30

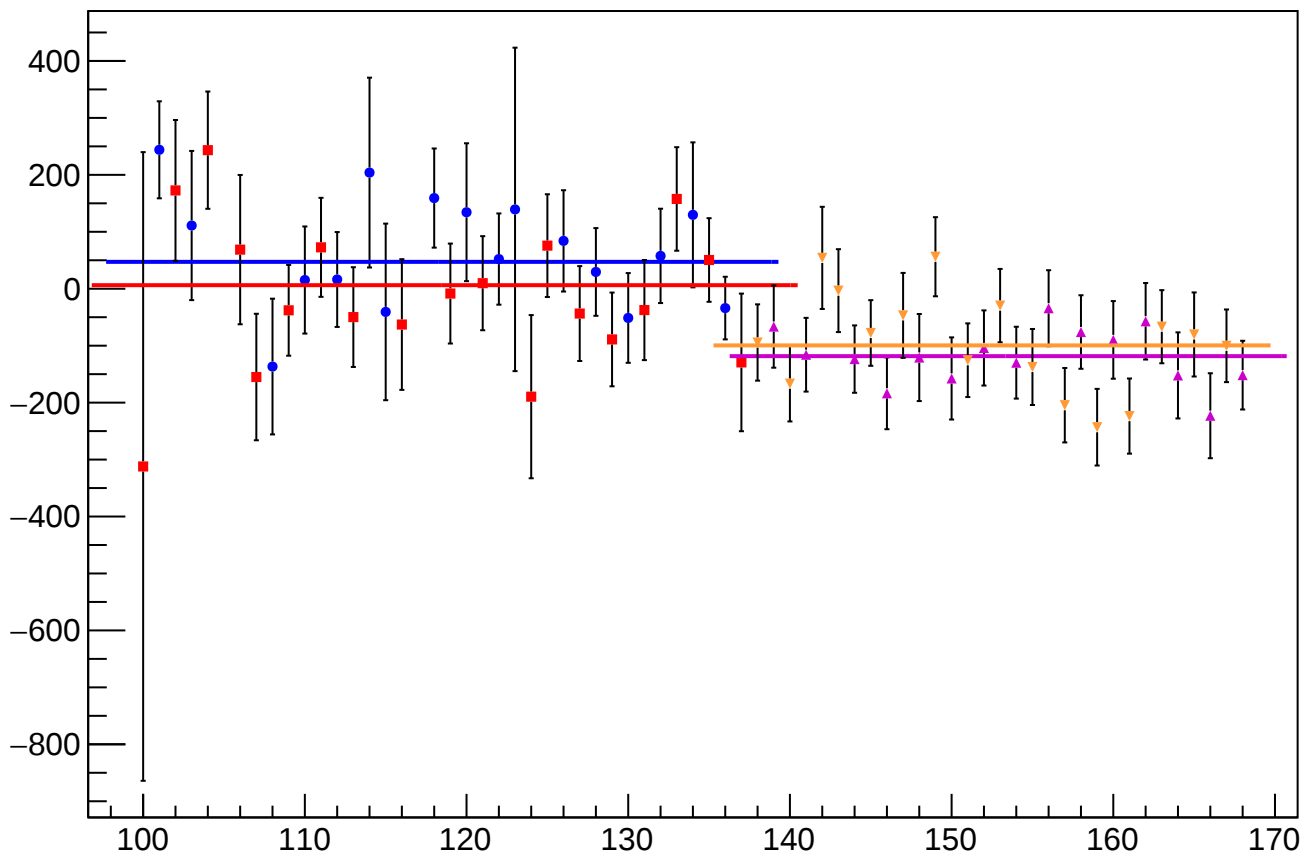
Right: 1147.705 $\pm$ 0.226 χ^2 /NDF: 1458761.3/35

In: 1023.153 $\pm$ 0.172 χ^2 /NDF: 1306742.9/31

Out: 1022.438 $\pm$ 0.169 χ^2 /NDF: 1472094.2/34

All: 1022.789 $\pm$ 0.121 χ^2 /NDF: 2778845.9/66

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: -99.483 ± 16.874 $\chi^2/\text{NDF}: 24.0/15$

Right Out: 6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

Left In: -118.375 ± 17.298 $\chi^2/\text{NDF}: 7.5/14$

Left: -108.695 ± 12.079 $\chi^2/\text{NDF}: 32.1/30$

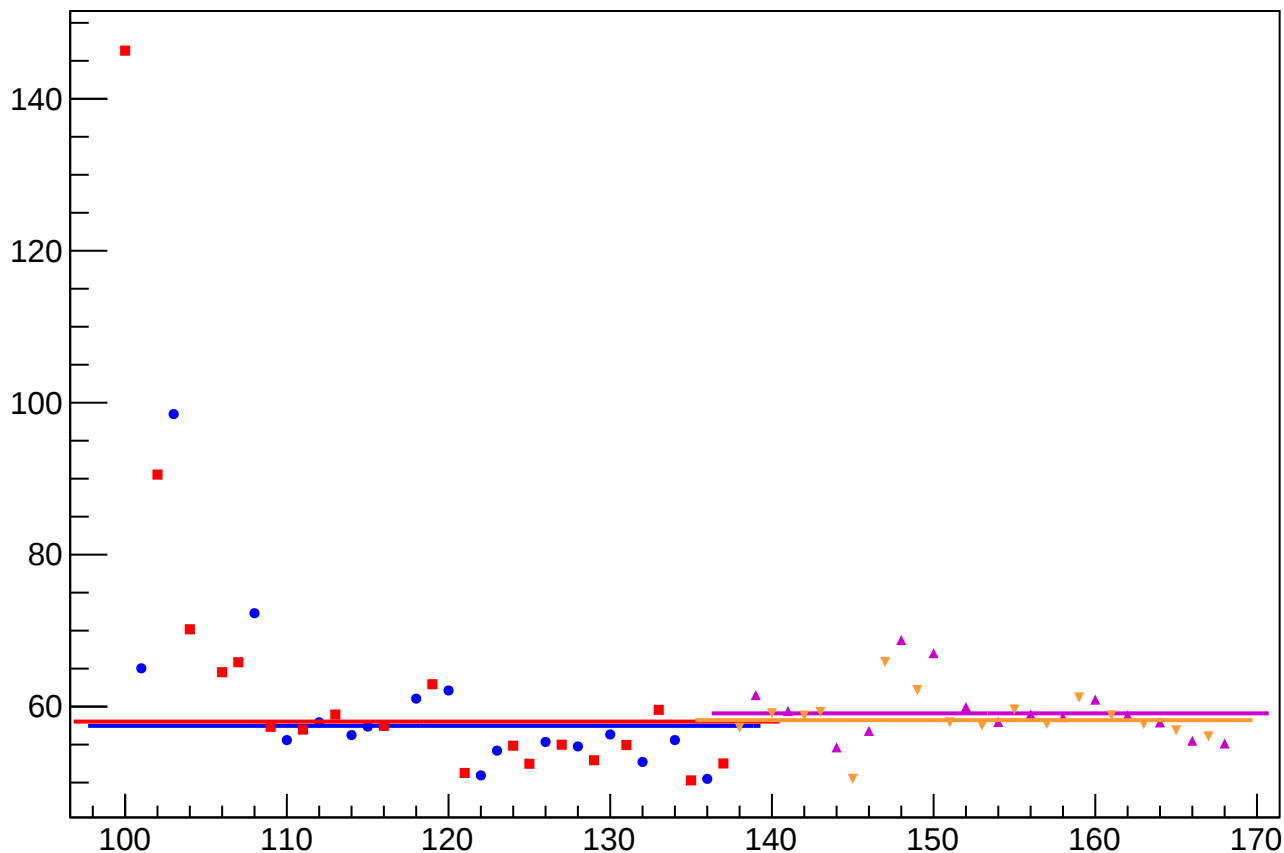
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -57.082 ± 13.728 $\chi^2/\text{NDF}: 57.5/31$

Out: -60.606 ± 13.418 $\chi^2/\text{NDF}: 58.8/34$

All: -58.884 ± 9.596 $\chi^2/\text{NDF}: 116.3/66$

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 58.217 $\pm$ 0.012 χ^2 /NDF: 73240.9/15

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

Left In: 59.110 $\pm$ 0.012 χ^2 /NDF: 88701.9/14

Left: 58.653 $\pm$ 0.009 χ^2 /NDF: 164673.9/30

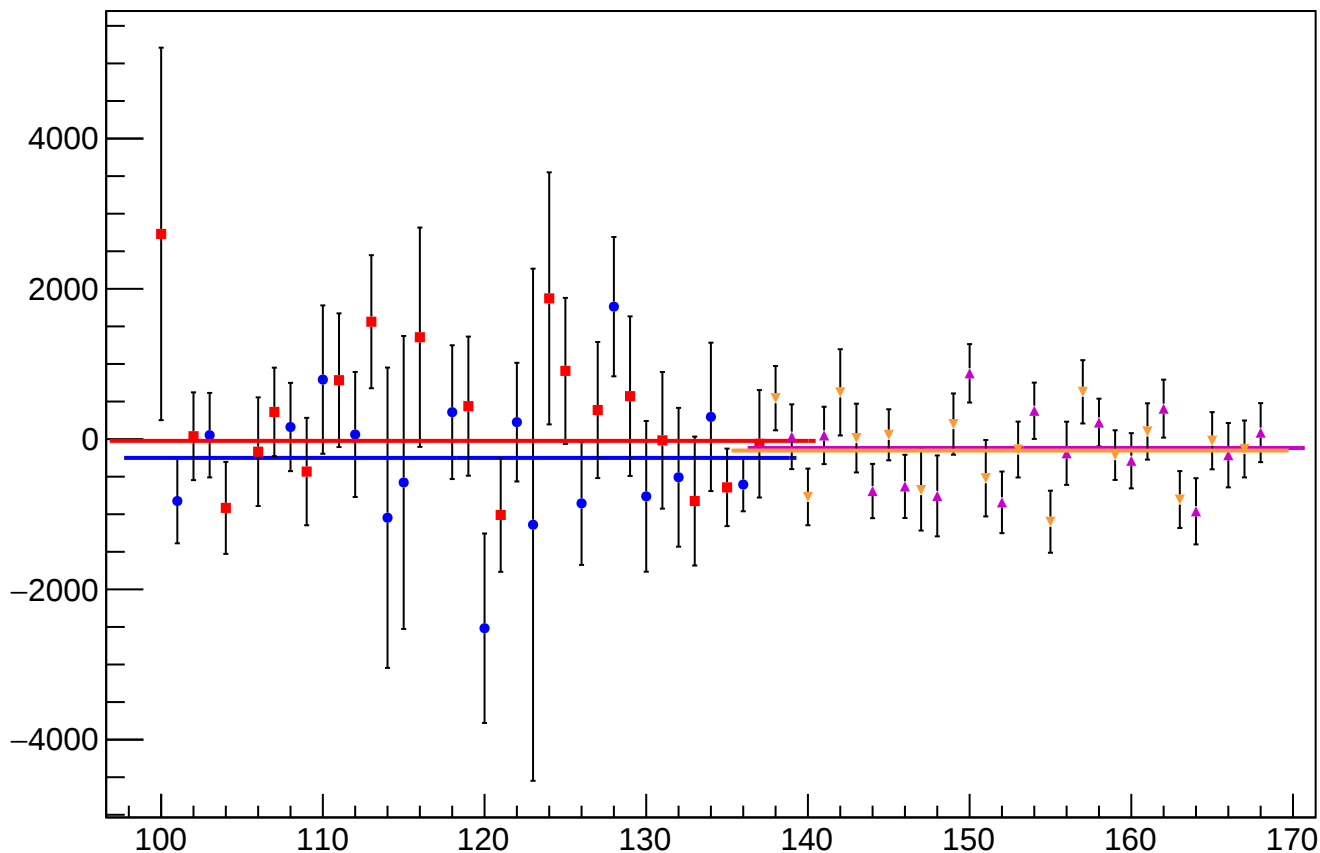
Right: 57.752 $\pm$ 0.011 χ^2 /NDF: 608576.3/35

In: 58.502 $\pm$ 0.010 χ^2 /NDF: 402553.5/31

Out: 58.147 $\pm$ 0.009 χ^2 /NDF: 374122.6/34

All: 58.320 $\pm$ 0.007 χ^2 /NDF: 777356.6/66

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: -152.199+/-100.918 χ^2/NDF : 22.2/15

Right Out: -23.314+/-181.834 χ^2/NDF : 16.1/18

Left In: -118.563+/-102.335 χ^2/NDF : 24.3/14

Left: -135.616+/-71.855 χ^2/NDF : 46.6/30

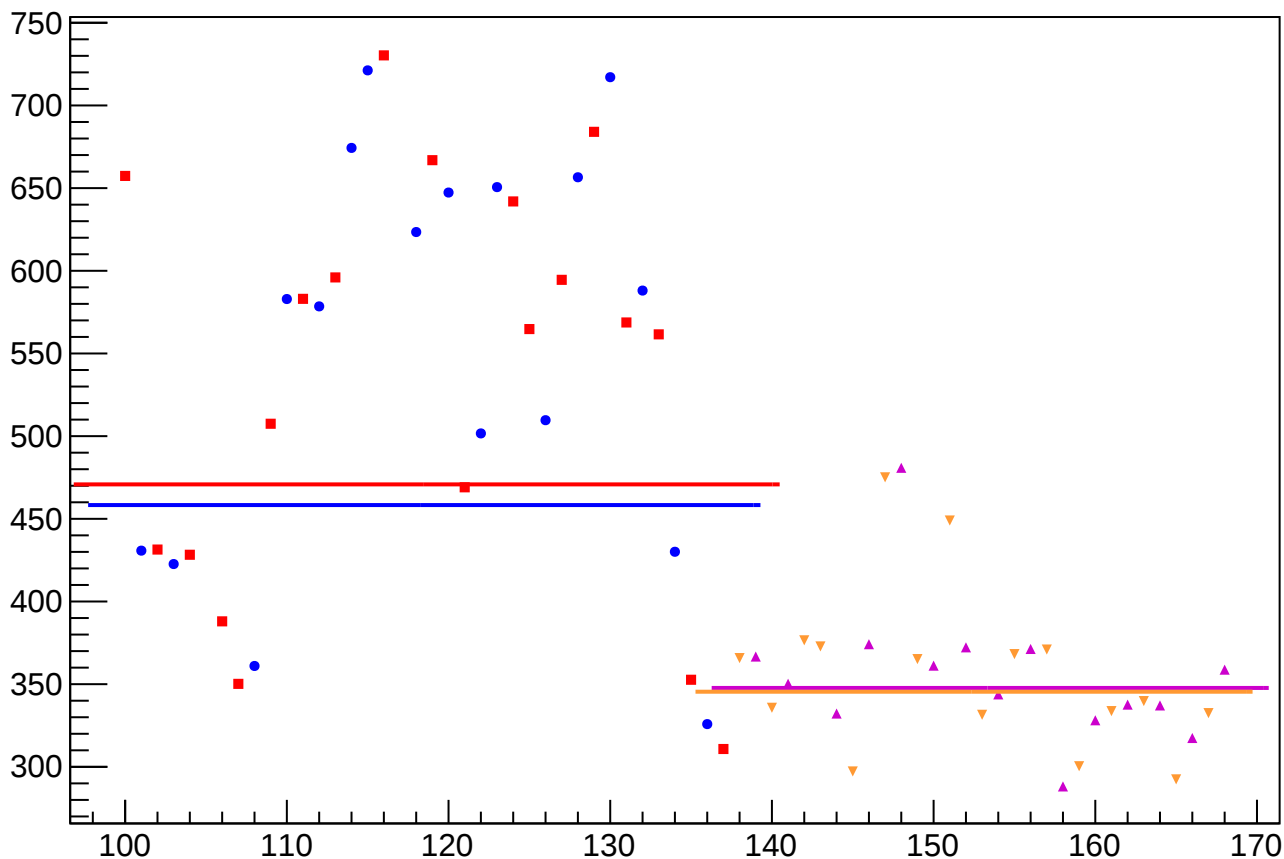
Right: -135.327+/-129.367 χ^2/NDF : 31.1/35

In: -149.624+/-89.444 χ^2/NDF : 39.0/31

Out: -121.848+/-88.239 χ^2/NDF : 38.6/34

All: -135.548+/-62.816 χ^2/NDF : 77.7/66

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 345.440+/-0.071 χ^2/NDF : 359491.3/15

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

Left In: 347.723+/-0.072 χ^2/NDF : 244055.8/14

Left: 346.565+/-0.051 χ^2/NDF : 604051.7/30

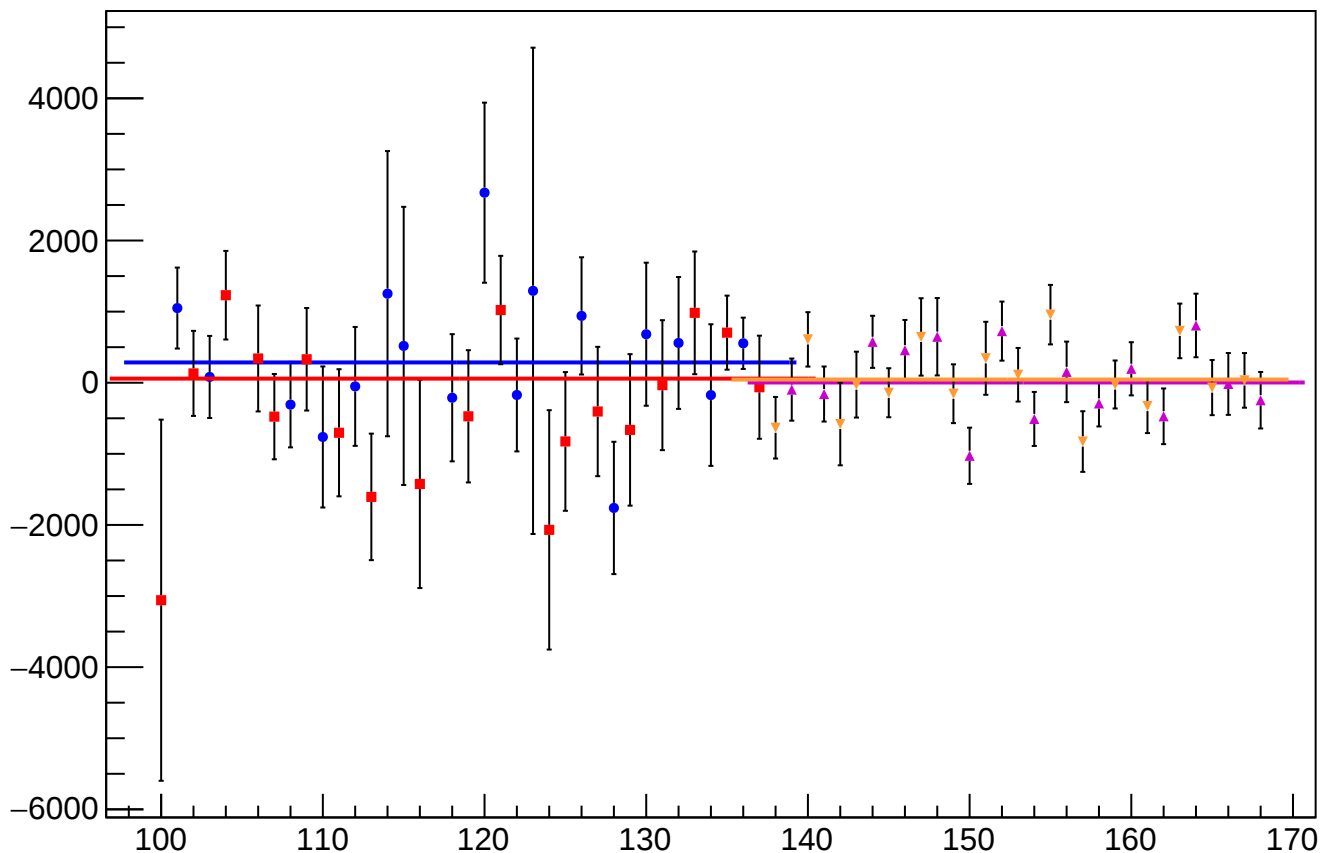
Right: 464.653+/-0.091 χ^2/NDF : 1660506.8/35

In: 373.832+/-0.063 χ^2/NDF : 1672748.6/31

Out: 374.967+/-0.062 χ^2/NDF : 1865188.2/34

All: 374.407+/-0.044 χ^2/NDF : 3538100.0/66

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: 44.879 $\pm$ 102.402 χ^2 /NDF:21.1/15

Right Out: 58.001 $\pm$ 184.074 χ^2 /NDF: 19.2/18

Left In: 3.442 $\pm$ 103.854 χ^2 /NDF:23.1/14

Left: 24.452 $\pm$ 72.917 χ^2 /NDF: 44.3/30

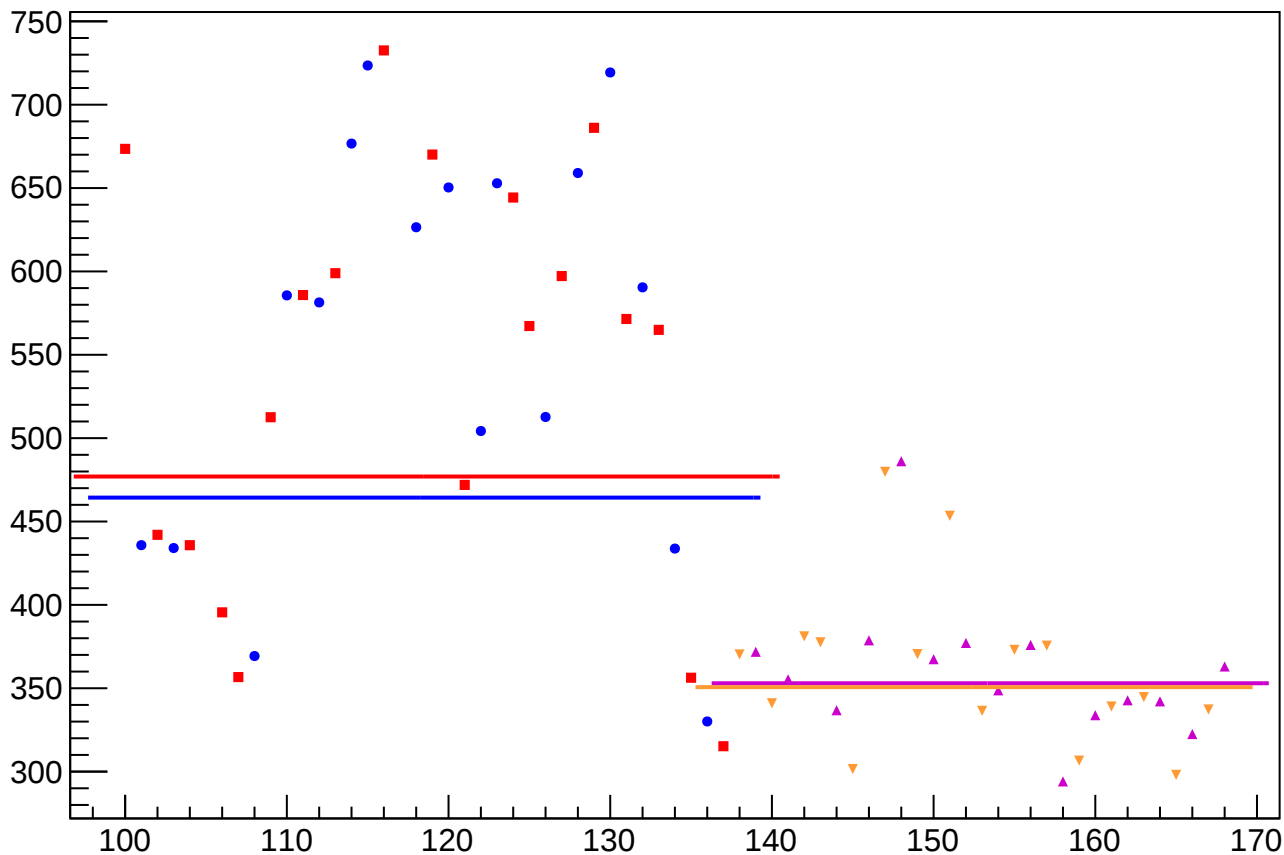
Right: 170.332 $\pm$ 130.927 χ^2 /NDF: 35.1/35

In: 70.298 $\pm$ 90.707 χ^2 /NDF:40.1/31

Out: 47.980 $\pm$ 89.487 χ^2 /NDF:40.3/34

All: 58.988 $\pm$ 63.704 χ^2 /NDF: 80.4/66

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 ± 0.132 χ^2/NDF : 845900.9/16

Left Out: 350.653 ± 0.072 χ^2/NDF : 346800.8/15

Right Out: 476.989 ± 0.130 χ^2/NDF : 749331.1/18

Left In: 352.989 ± 0.073 χ^2/NDF : 235195.3/14

Left: 351.805 ± 0.052 χ^2/NDF : 582509.1/30

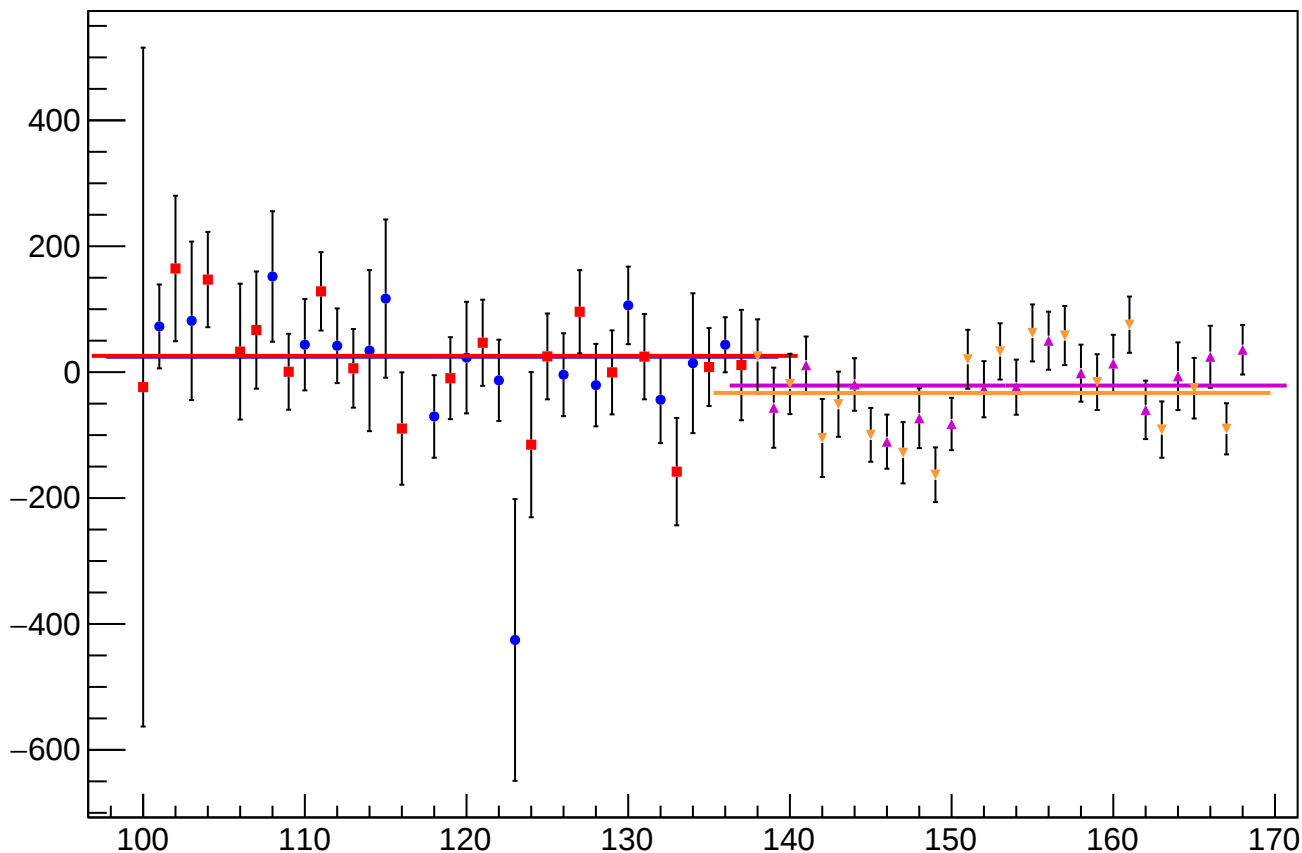
Right: 470.740 ± 0.093 χ^2/NDF : 1599897.5/35

In: 379.397 ± 0.064 χ^2/NDF : 1626363.1/31

Out: 380.511 ± 0.063 χ^2/NDF : 1815577.5/34

All: 379.962 ± 0.045 χ^2/NDF : 3442093.6/66

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -32.985 ± 11.700 $\chi^2/\text{NDF}: 39.1/15$

Right Out: 25.884 ± 17.386 $\chi^2/\text{NDF}: 16.8/18$

Left In: -21.305 ± 11.791 $\chi^2/\text{NDF}: 15.3/14$

Left: -27.190 ± 8.305 $\chi^2/\text{NDF}: 55.0/30$

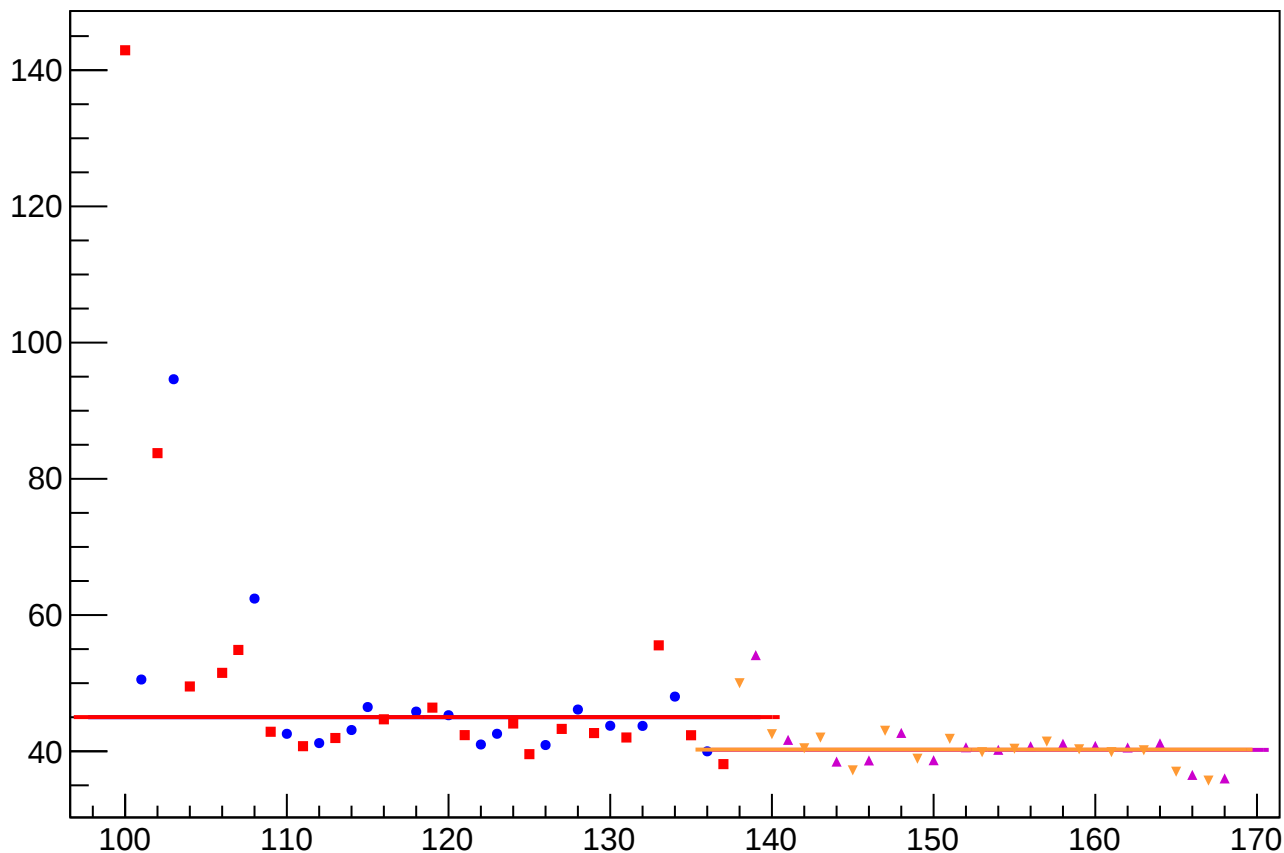
Right: 25.251 ± 12.451 $\chi^2/\text{NDF}: 29.8/35$

In: -7.352 ± 9.837 $\chi^2/\text{NDF}: 33.0/31$

Out: -14.637 ± 9.707 $\chi^2/\text{NDF}: 63.8/34$

All: -11.043 ± 6.909 $\chi^2/\text{NDF}: 97.0/66$

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 40.249 $\pm$ 0.008 χ^2 /NDF: 117917.5/15

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

Left In: 40.205 $\pm$ 0.008 χ^2 /NDF: 147910.1/14

Left: 40.227 $\pm$ 0.006 χ^2 /NDF: 265841.8/30

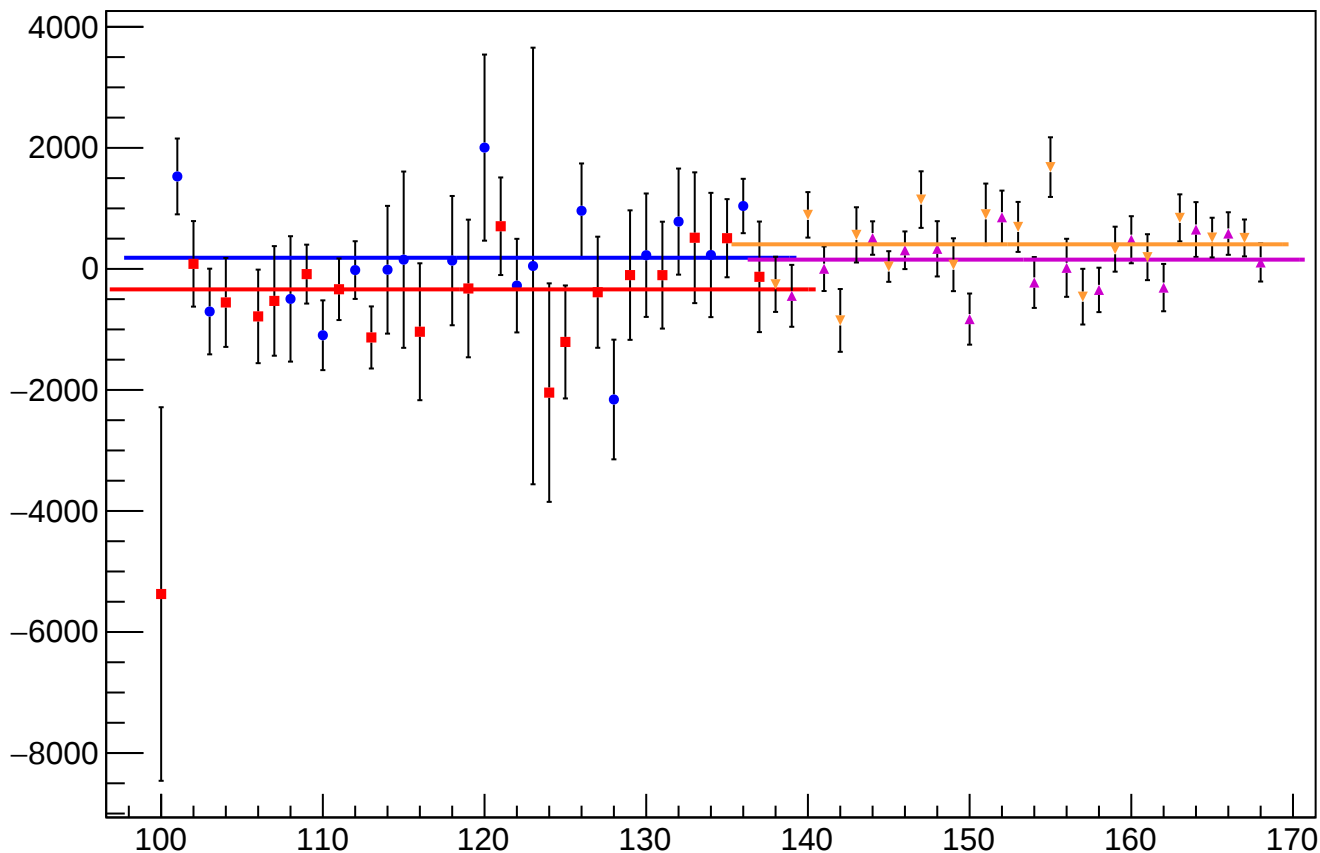
Right: 45.009 $\pm$ 0.009 χ^2 /NDF: 853862.6/35

In: 41.663 $\pm$ 0.007 χ^2 /NDF: 686884.6/31

Out: 41.735 $\pm$ 0.007 χ^2 /NDF: 636963.6/34

All: 41.700 $\pm$ 0.005 χ^2 /NDF: 1323902.5/66

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: 406.550 $\pm$ 97.463 χ^2 /NDF:28.5/15

Right Out: -338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

Left In: 153.245 $\pm$ 98.180 χ^2 /NDF:19.1/14

Left: 280.826 $\pm$ 69.169 χ^2 /NDF: 51.0/30

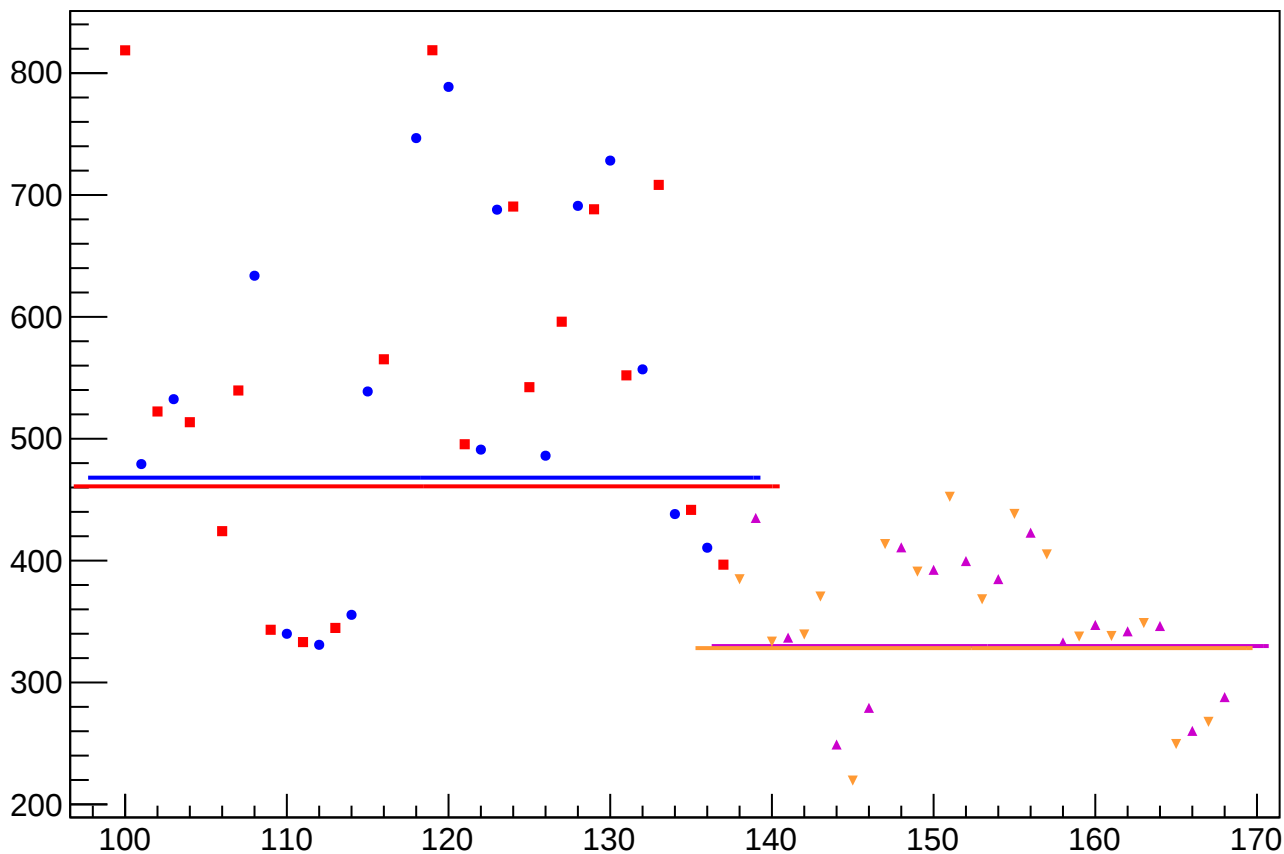
Right: -90.096 $\pm$ 129.965 χ^2 /NDF: 40.7/35

In: 159.844 $\pm$ 87.082 χ^2 /NDF:43.4/31

Out: 236.775 $\pm$ 85.639 χ^2 /NDF:54.3/34

All: 198.953 $\pm$ 61.060 χ^2 /NDF: 98.0/66

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: 328.201+/-0.069 χ^2/NDF : 1022025.2/15

Right Out: 460.939+/-0.127 χ^2/NDF : 955028.5/18

Left In: 329.892+/-0.069 χ^2/NDF : 697594.7/14

Left: 329.041+/-0.049 χ^2/NDF : 1719918.9/30

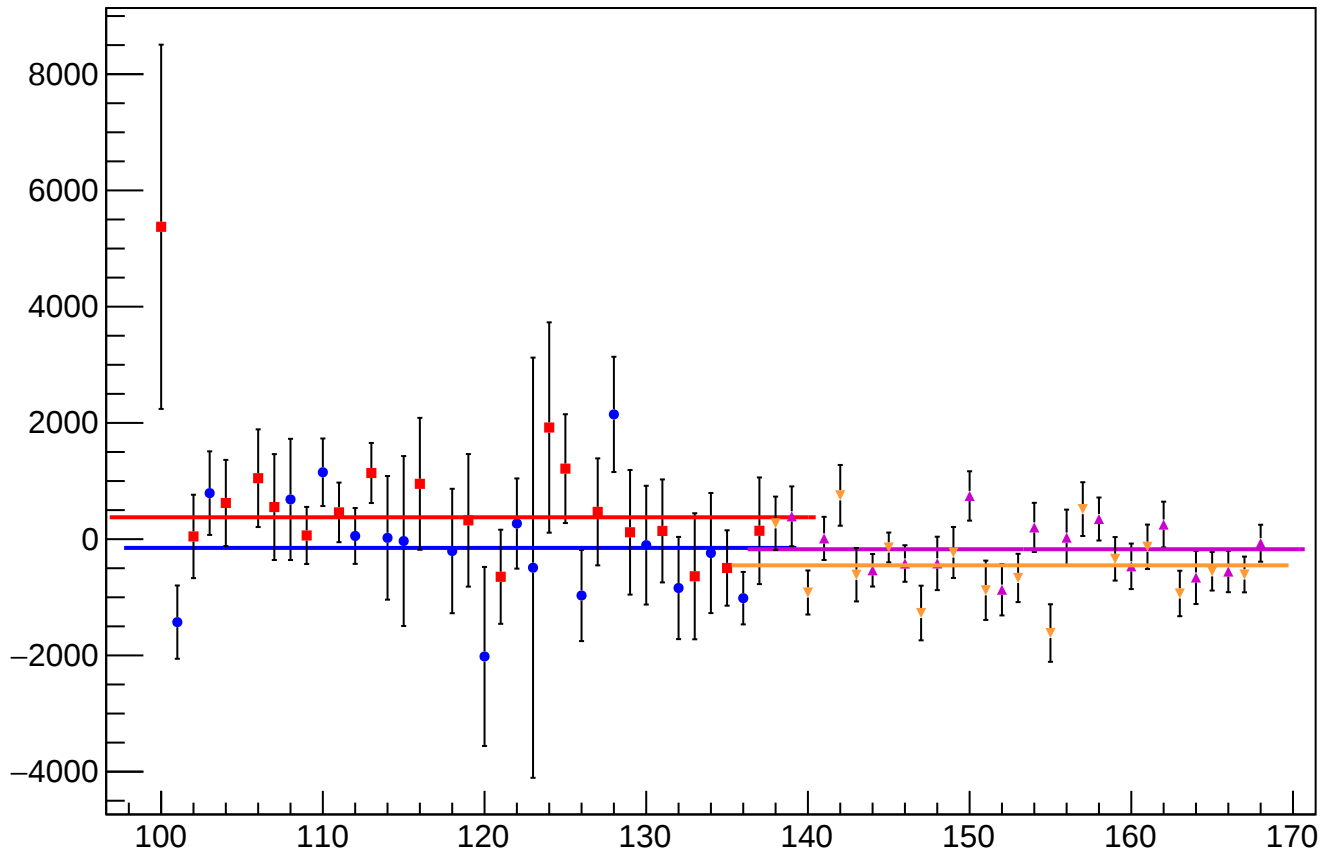
Right: 464.328+/-0.092 χ^2/NDF : 1836849.7/35

In: 359.365+/-0.062 χ^2/NDF : 2422879.0/31

Out: 358.455+/-0.061 χ^2/NDF : 2822583.9/34

All: 358.902+/-0.043 χ^2/NDF : 5245573.8/66

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: -450.342 ± 98.266 $\chi^2/\text{NDF}: 27.7/15$

Right Out: 376.554 ± 181.258 $\chi^2/\text{NDF}: 12.4/18$

Left In: -173.310 ± 98.965 $\chi^2/\text{NDF}: 18.2/14$

Left: -312.808 ± 69.731 $\chi^2/\text{NDF}: 49.9/30$

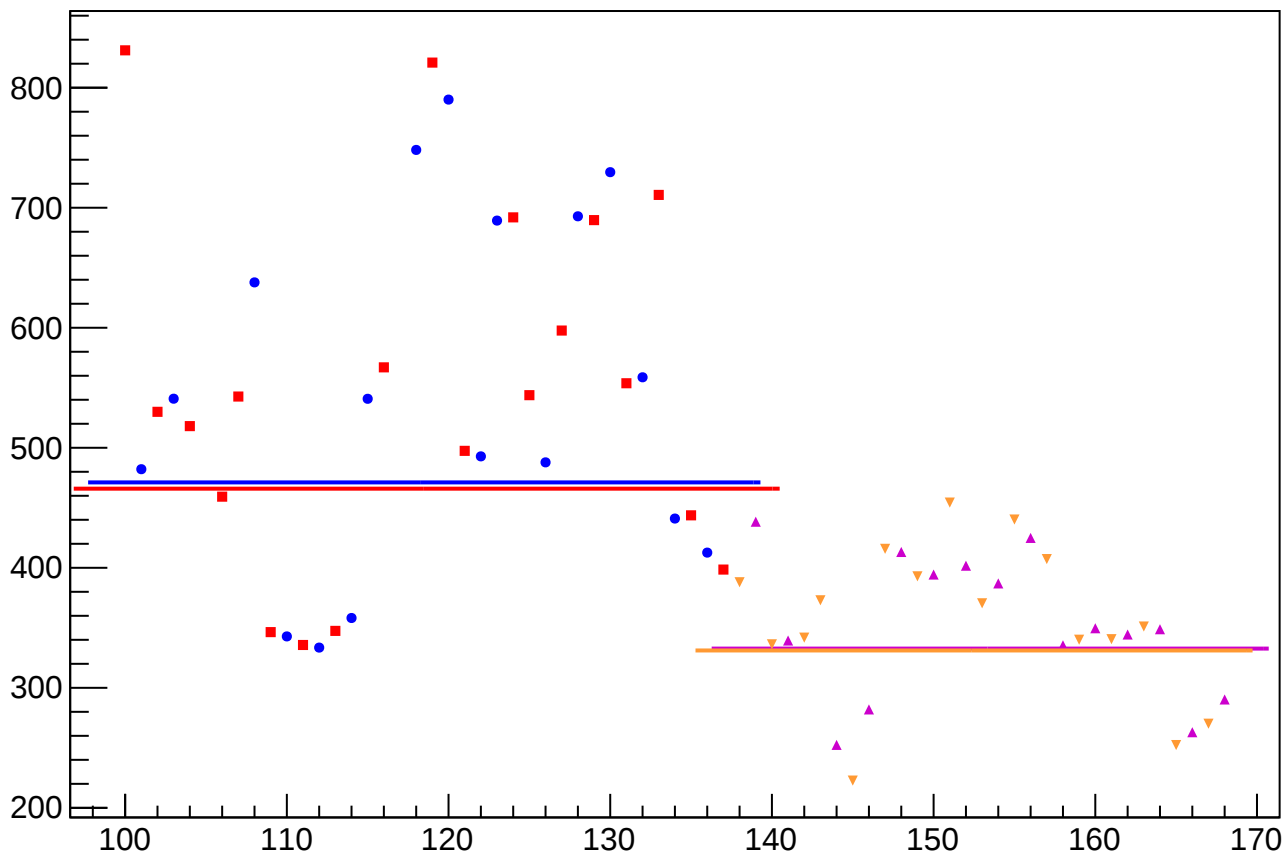
Right: 125.150 ± 131.061 $\chi^2/\text{NDF}: 40.7/35$

In: -168.390 ± 87.746 $\chi^2/\text{NDF}: 42.5/31$

Out: -262.513 ± 86.388 $\chi^2/\text{NDF}: 56.2/34$

All: -216.185 ± 61.560 $\chi^2/\text{NDF}: 99.3/66$

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 331.124+/-0.069 χ^2/NDF : 994399.4/15

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

Left In: 332.689+/-0.070 χ^2/NDF : 680270.0/14

Left: 331.901+/-0.049 χ^2/NDF : 1674921.2/30

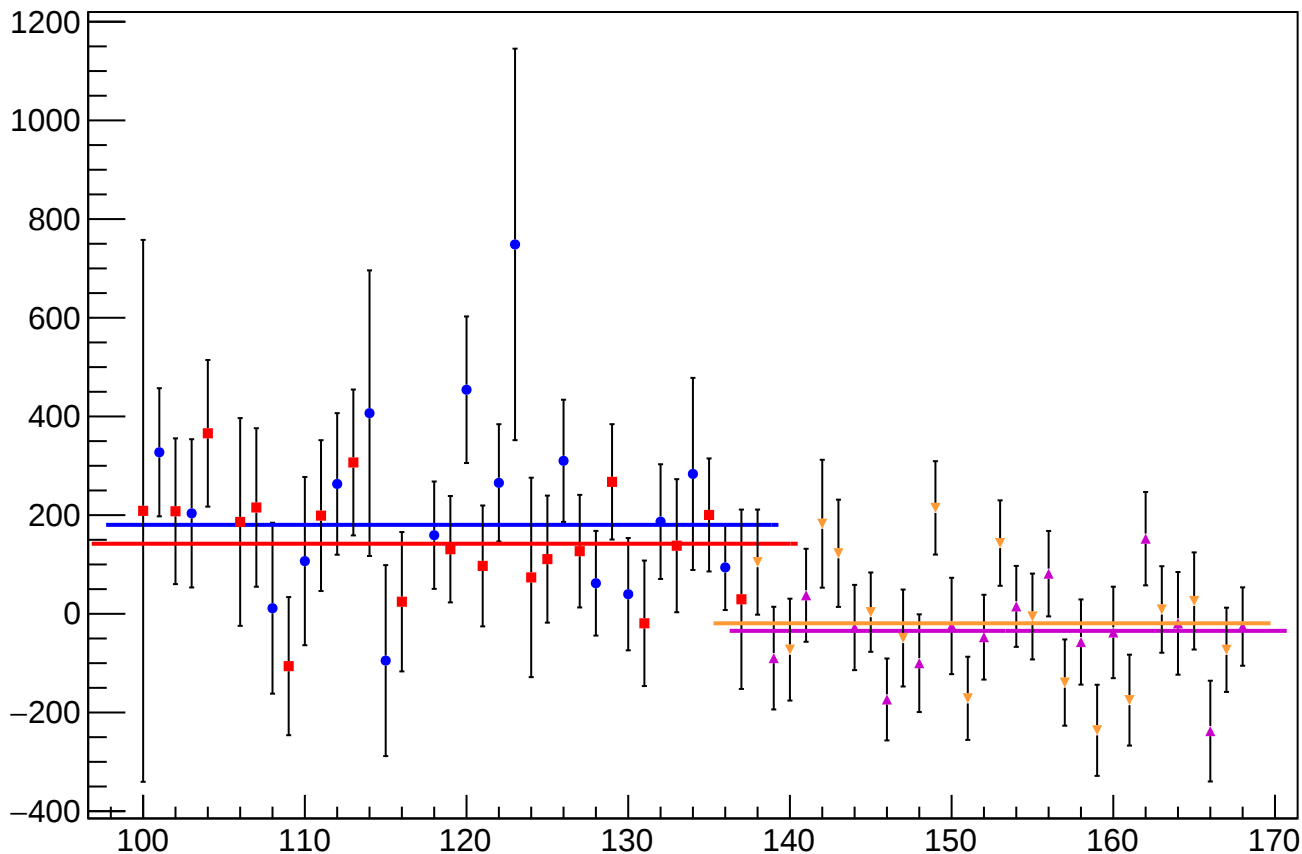
Right: 468.427+/-0.093 χ^2/NDF : 1813145.9/35

In: 362.306+/-0.062 χ^2/NDF : 2389513.4/31

Out: 361.747+/-0.061 χ^2/NDF : 2789955.6/34

All: 362.022+/-0.044 χ^2/NDF : 5179510.2/66

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 ± 32.769 $\chi^2/\text{NDF}: 16.6/16$

Left Out: -19.212 ± 23.318 $\chi^2/\text{NDF}: 29.8/15$

Right Out: 142.040 ± 32.338 $\chi^2/\text{NDF}: 11.7/18$

Left In: -34.548 ± 23.458 $\chi^2/\text{NDF}: 14.3/14$

Left: -26.834 ± 16.538 $\chi^2/\text{NDF}: 44.3/30$

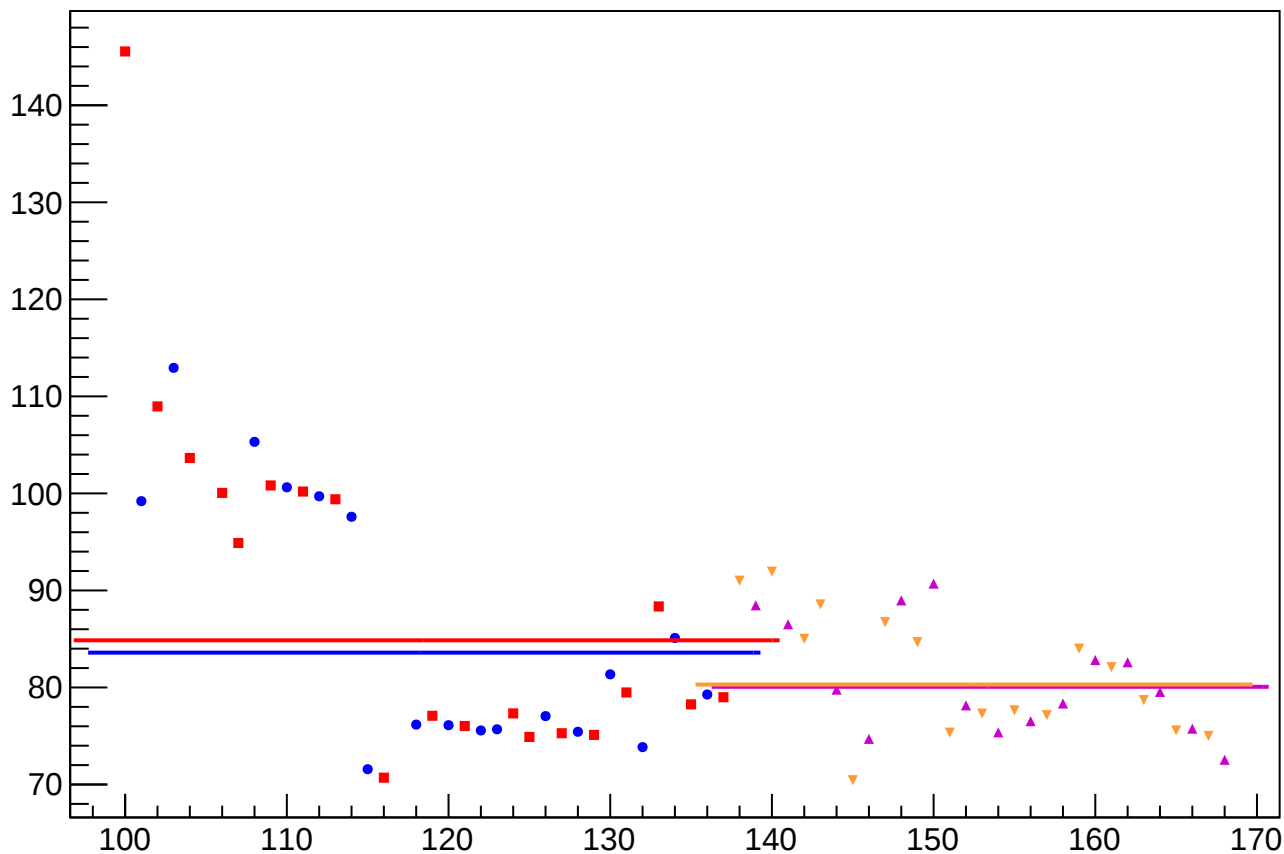
Right: 160.930 ± 23.017 $\chi^2/\text{NDF}: 28.9/35$

In: 38.255 ± 19.074 $\chi^2/\text{NDF}: 59.3/31$

Out: 35.951 ± 18.914 $\chi^2/\text{NDF}: 57.9/34$

All: 37.093 ± 13.430 $\chi^2/\text{NDF}: 117.1/66$

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: 80.303 $\pm$ 0.016 χ^2 /NDF:133465.8/15

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

Left In: 80.069 $\pm$ 0.017 χ^2 /NDF:107068.4/14

Left: 80.187 $\pm$ 0.012 χ^2 /NDF: 240634.4/30

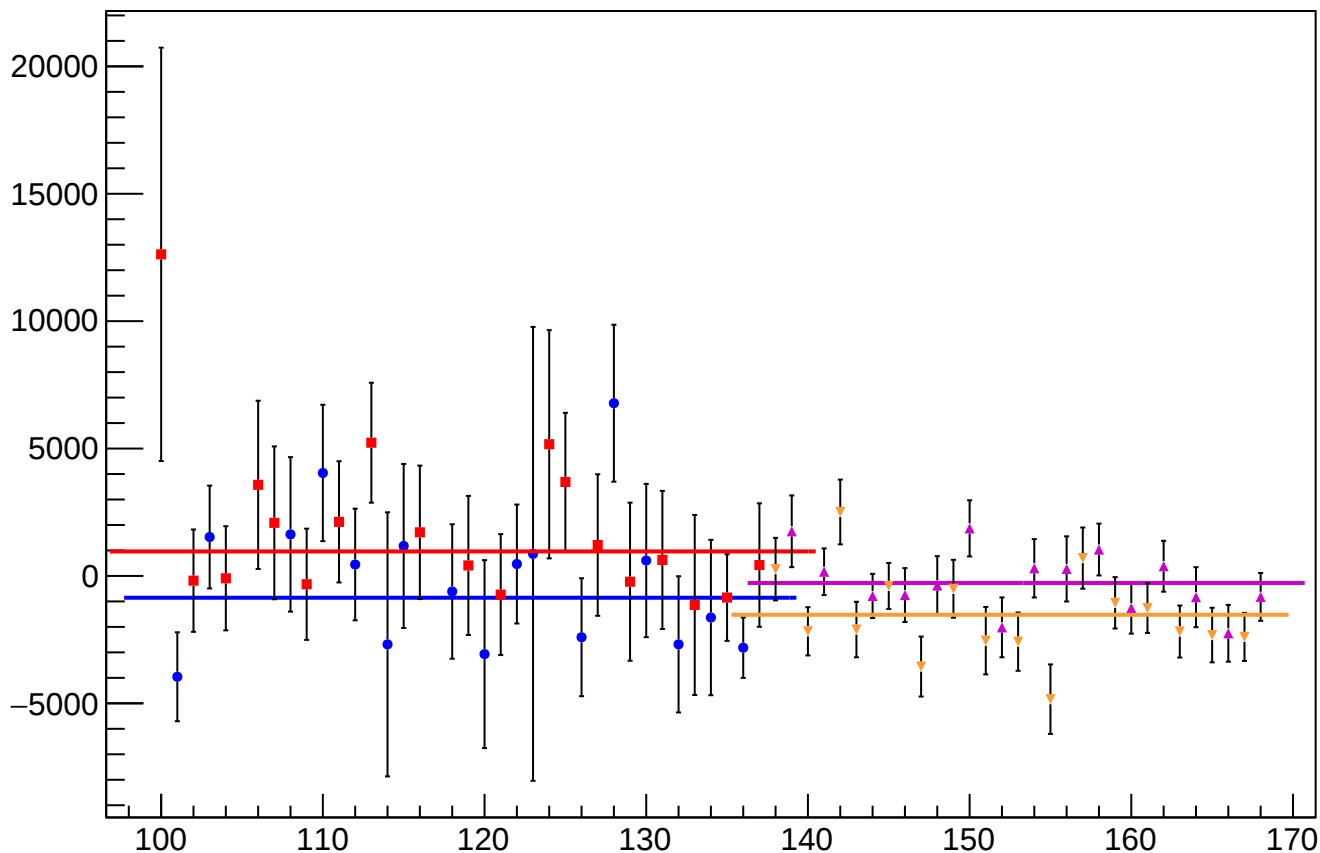
Right: 84.234 $\pm$ 0.016 χ^2 /NDF: 548050.9/35

In: 81.262 $\pm$ 0.013 χ^2 /NDF:378260.7/31

Out: 81.863 $\pm$ 0.013 χ^2 /NDF:450210.3/34

All: 81.565 $\pm$ 0.009 χ^2 /NDF: 829469.1/66

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308 $\pm$ 583.290 χ^2/NDF : 20.3/16

Left Out: -1524.754 $\pm$ 271.901 χ^2/NDF :31.2/15

Right Out: 962.932 $\pm$ 589.071 χ^2/NDF : 11.5/18

Left In: -276.127 $\pm$ 275.030 χ^2/NDF :16.0/14

Left: -907.585 $\pm$ 193.360 χ^2/NDF : 57.6/30

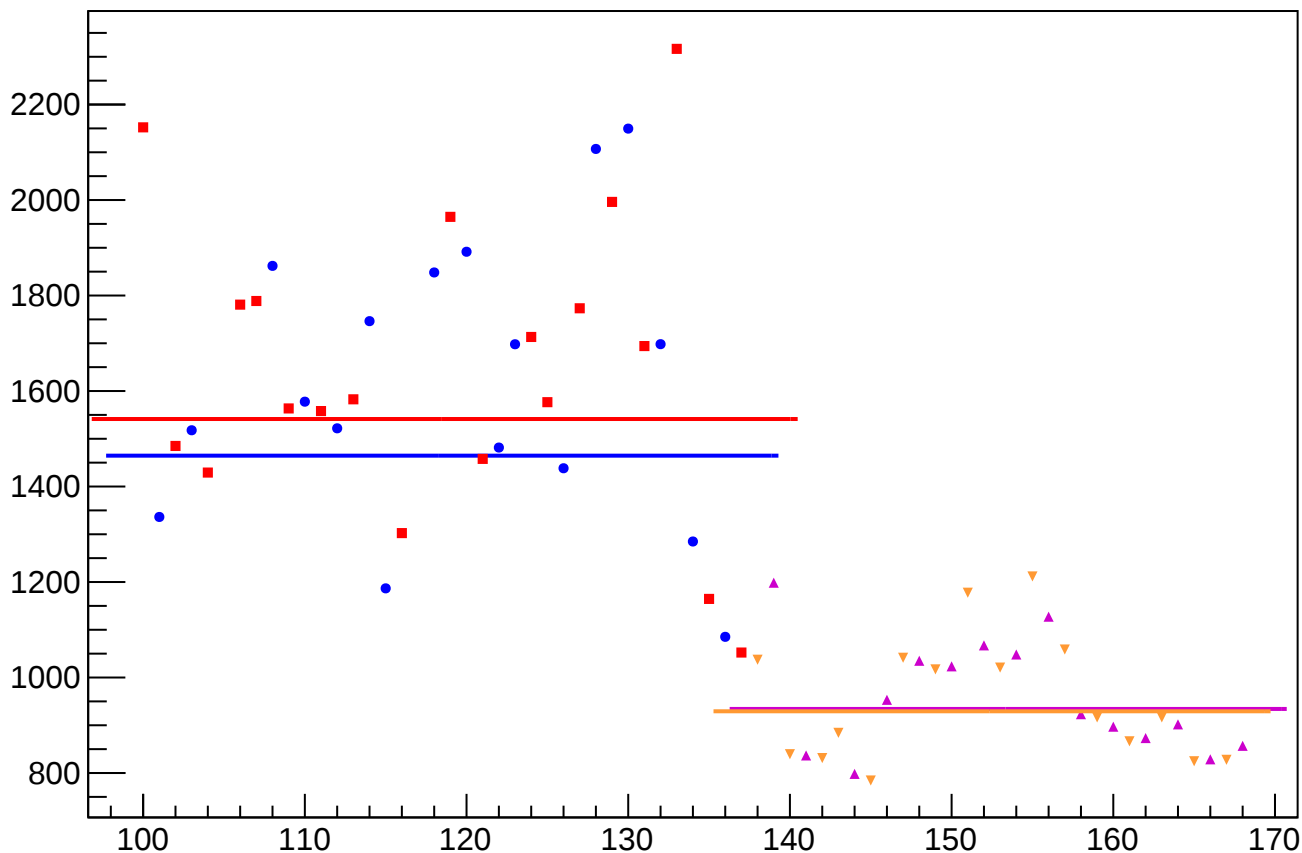
Right: 44.847 $\pm$ 414.477 χ^2/NDF : 36.6/35

In: -381.473 $\pm$ 248.764 χ^2/NDF :37.1/31

Out: -1087.835 $\pm$ 246.871 χ^2/NDF :57.4/34

All: -737.351 $\pm$ 175.229 χ^2/NDF : 98.6/66

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: 929.282 $\pm$ 0.192 χ^2/NDF : 373967.5/15

Right Out: 1541.388 $\pm$ 0.417 χ^2/NDF : 453710.5/18

Left In: 934.195 $\pm$ 0.194 χ^2/NDF : 306103.9/14

Left: 931.710 $\pm$ 0.137 χ^2/NDF : 680394.1/30

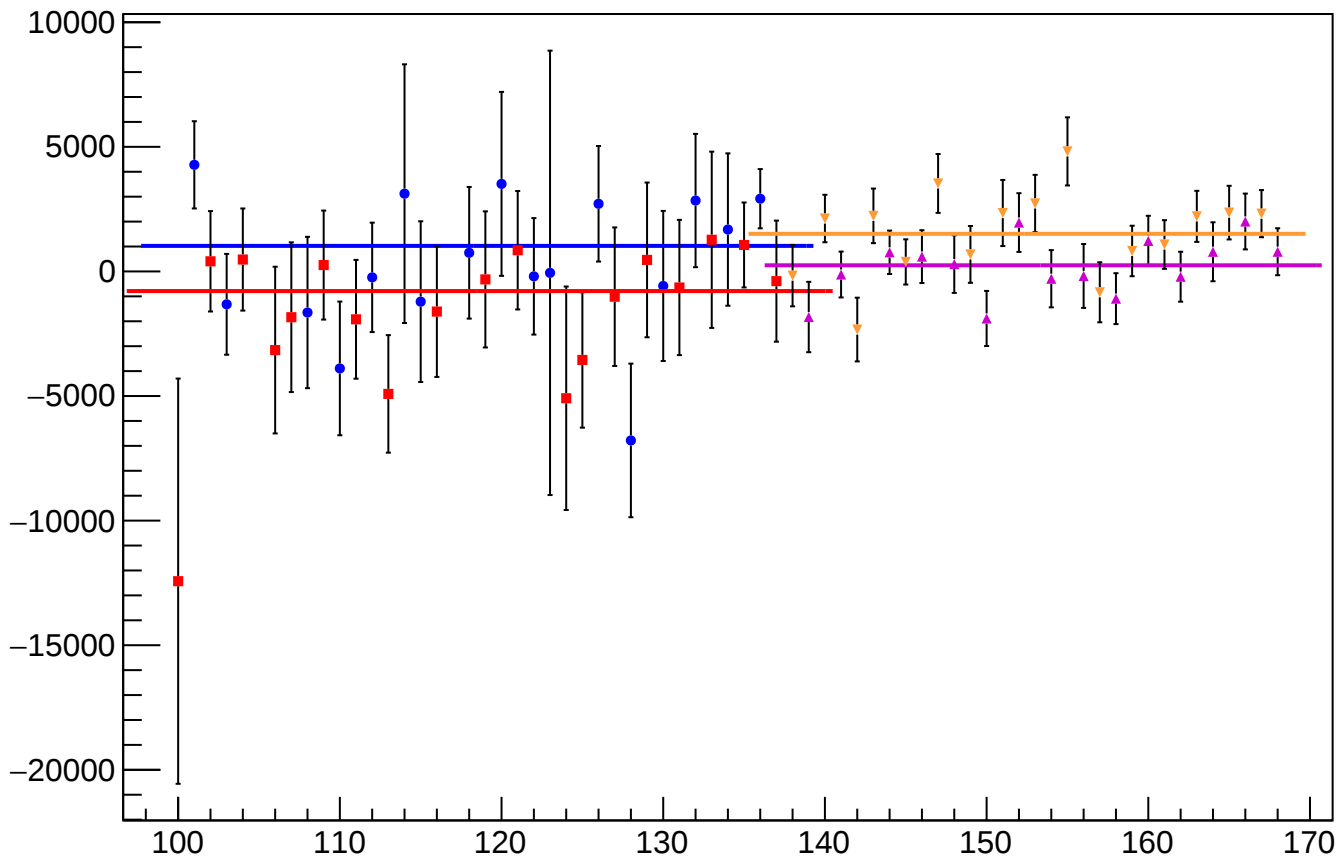
Right: 1502.634 $\pm$ 0.293 χ^2/NDF : 1031717.7/35

In: 1030.675 $\pm$ 0.176 χ^2/NDF : 2220123.7/31

Out: 1036.788 $\pm$ 0.175 χ^2/NDF : 2607879.5/34

All: 1033.755 $\pm$ 0.124 χ^2/NDF : 4828611.6/60

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: 1509.903 $\pm$ 273.006 χ^2 /NDF:30.4/15

Right Out: -787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

Left In: 246.307 $\pm$ 276.114 χ^2 /NDF:14.8/14

Left: 885.256 $\pm$ 194.134 χ^2 /NDF: 55.8/30

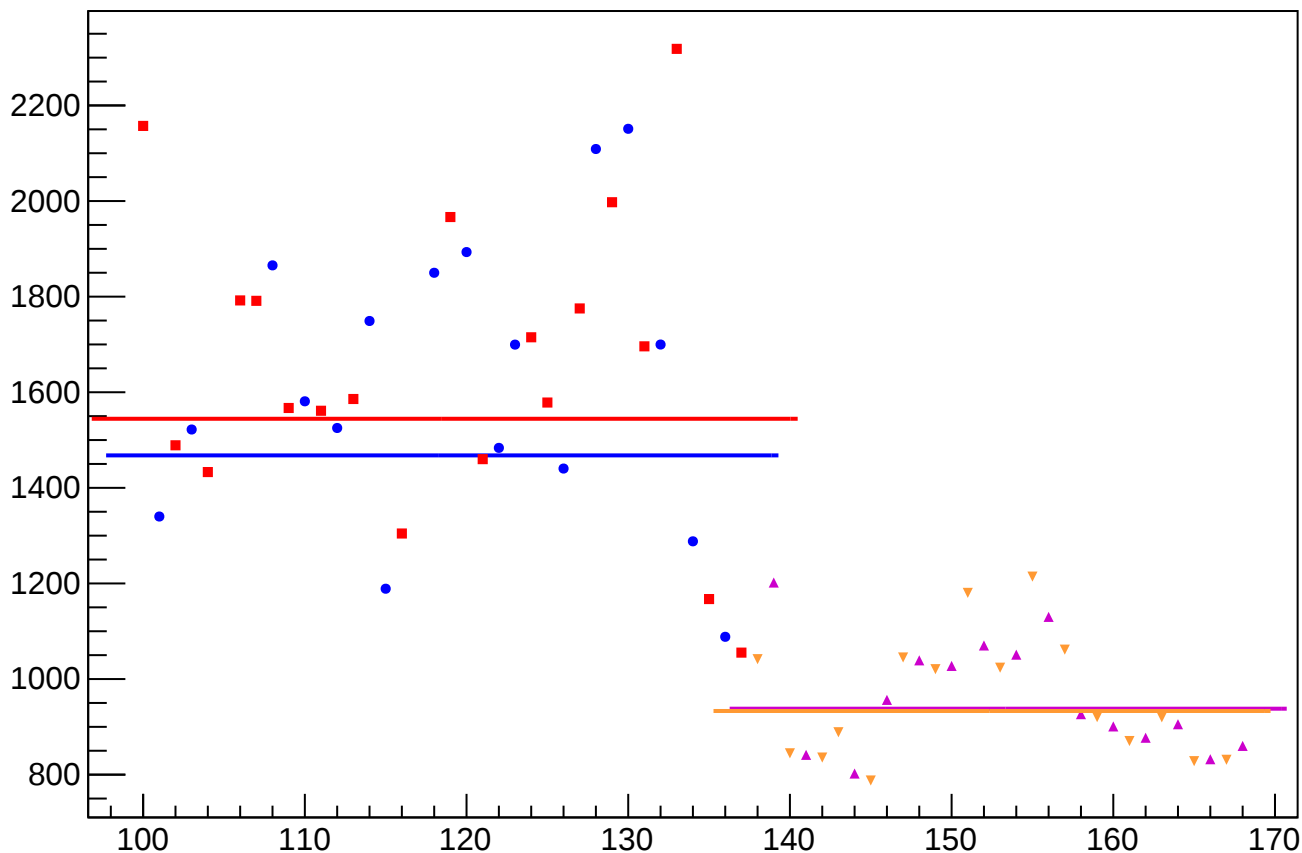
Right: 128.343 $\pm$ 415.370 χ^2 /NDF: 36.9/35

In: 388.470 $\pm$ 249.659 χ^2 /NDF:37.2/31

Out: 1105.276 $\pm$ 247.795 χ^2 /NDF:54.1/34

All: 749.558 $\pm$ 175.873 χ^2 /NDF: 95.4/66

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: 933.195 $\pm$ 0.193 χ^2/NDF : 369298.9/15

Right Out: 1544.513 $\pm$ 0.417 χ^2/NDF : 451805.9/18

Left In: 937.980 $\pm$ 0.195 χ^2/NDF : 302198.2/14

Left: 935.560 $\pm$ 0.137 χ^2/NDF : 671800.9/30

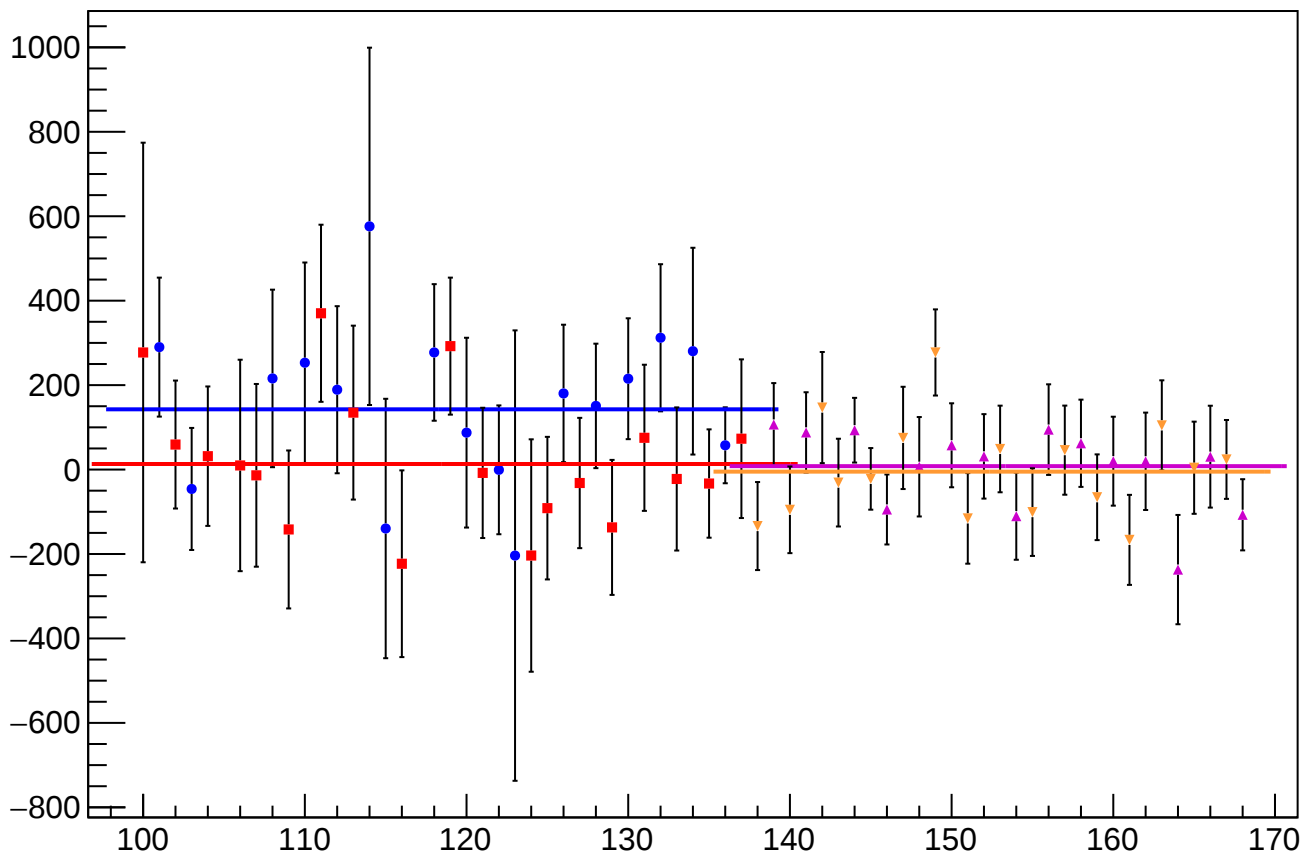
Right: 1505.825 $\pm$ 0.294 χ^2/NDF : 1026270.9/35

In: 1034.661 $\pm$ 0.177 χ^2/NDF : 2203687.4/31

Out: 1040.886 $\pm$ 0.175 χ^2/NDF : 2587680.2/34

All: 1037.797 $\pm$ 0.124 χ^2/NDF : 4791994.0/60

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -4.899 $\pm$ 25.607 χ^2 /NDF:18.1/15

Right Out: 13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

Left In: 8.085 $\pm$ 25.714 χ^2 /NDF:12.5/14

Left: 1.565 $\pm$ 18.144 χ^2 /NDF: 30.7/30

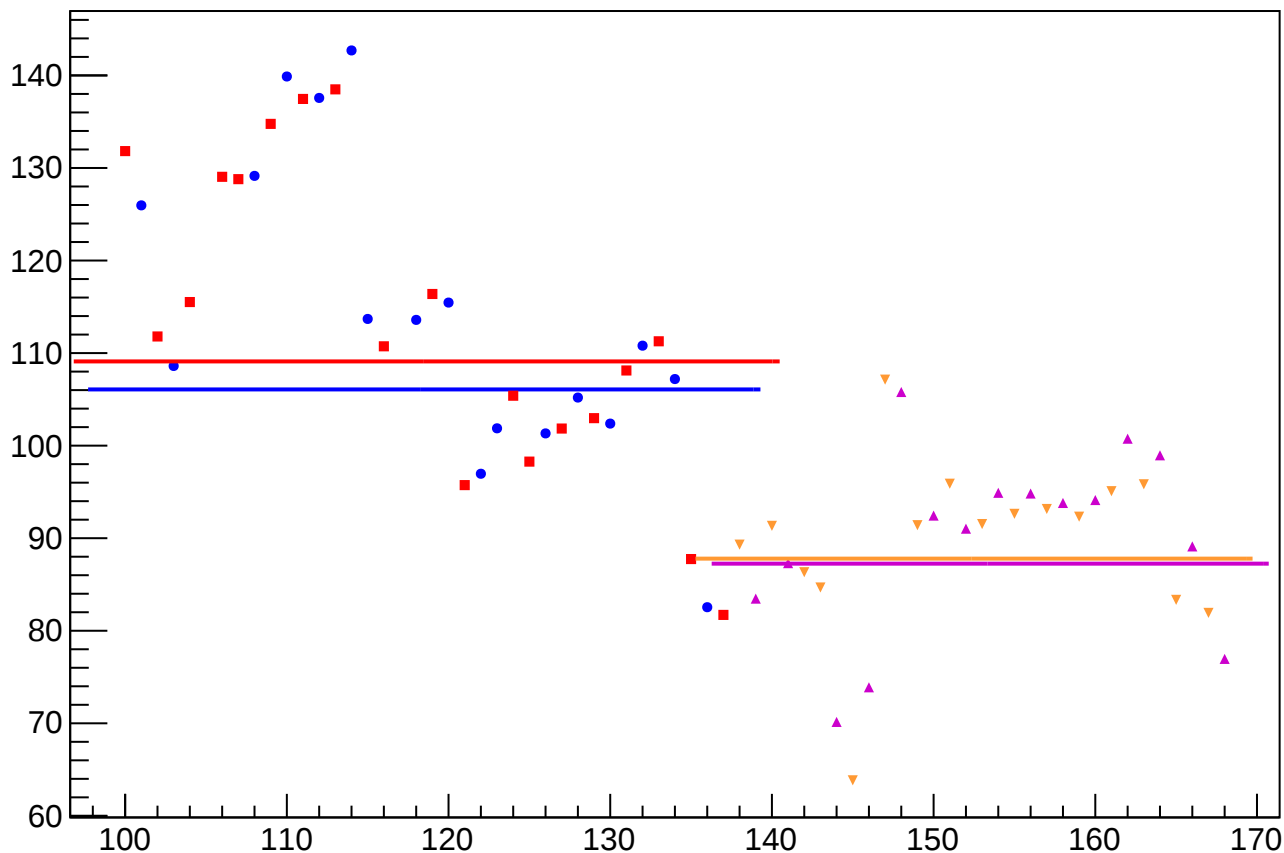
Right: 77.572 $\pm$ 29.352 χ^2 /NDF: 25.0/35

In: 45.263 $\pm$ 21.877 χ^2 /NDF:29.4/31

Out: 0.103 $\pm$ 21.777 χ^2 /NDF:29.0/34

All: 22.580 $\pm$ 15.434 χ^2 /NDF: 60.6/66

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 87.793 $\pm$ 0.018 χ^2 /NDF:333217.6/15

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

Left In: 87.250 $\pm$ 0.018 χ^2 /NDF:324050.0/14

Left: 87.522 $\pm$ 0.013 χ^2 /NDF: 657715.6/30

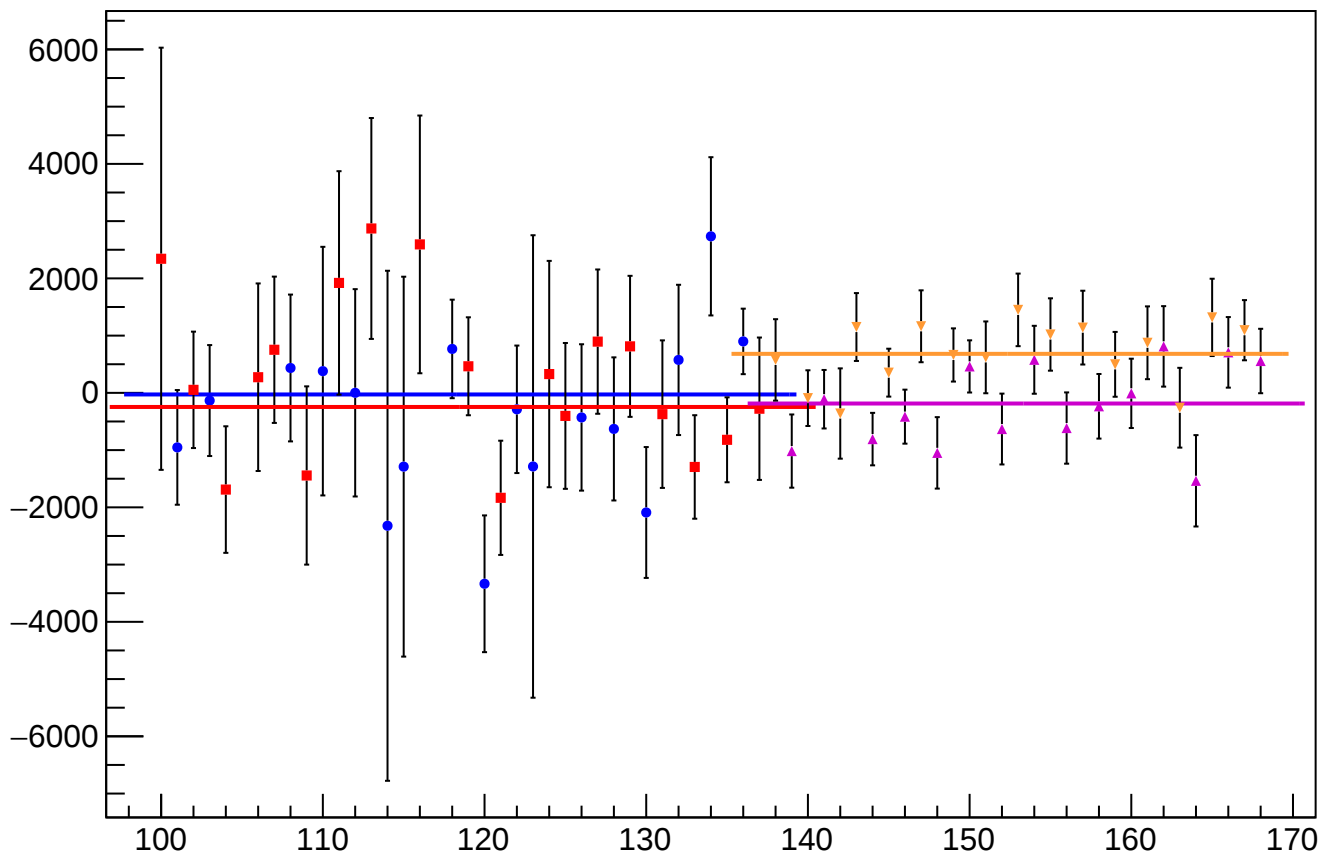
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 92.449 $\pm$ 0.015 χ^2 /NDF:937994.7/31

Out: 93.690 $\pm$ 0.015 χ^2 /NDF:1001851.5/34

All: 93.072 $\pm$ 0.011 χ^2 /NDF: 1943075.7/66

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 $\pm$ 283.741 χ^2 /NDF: 20.5/16

Left Out: 681.528 $\pm$ 145.978 χ^2 /NDF:11.9/15

Right Out: -246.386 $\pm$ 279.451 χ^2 /NDF: 15.9/18

Left In: -186.190 $\pm$ 147.142 χ^2 /NDF:19.2/14

Left: 251.115 $\pm$ 103.631 χ^2 /NDF: 48.6/30

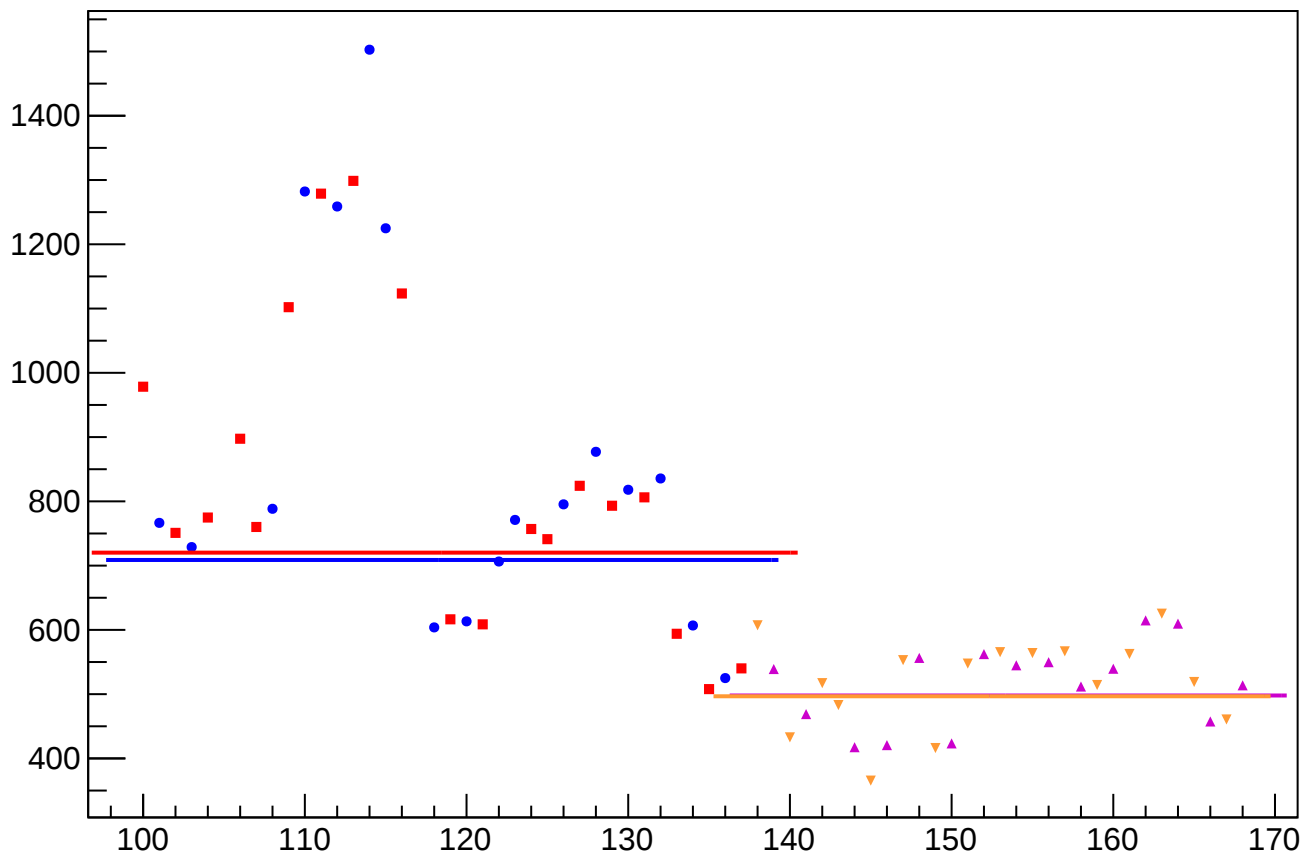
Right: -138.842 $\pm$ 199.101 χ^2 /NDF: 36.7/35

In: -152.658 $\pm$ 130.623 χ^2 /NDF:39.9/31

Out: 482.605 $\pm$ 129.388 χ^2 /NDF:36.4/34

All: 167.990 $\pm$ 91.925 χ^2 /NDF: 88.3/66

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: 496.702 $\pm$ 0.103 χ^2 /NDF: 543614.6/15

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

Left In: 497.920 $\pm$ 0.104 χ^2 /NDF: 364444.5/14

Left: 497.306 $\pm$ 0.073 χ^2 /NDF: 908128.1/30

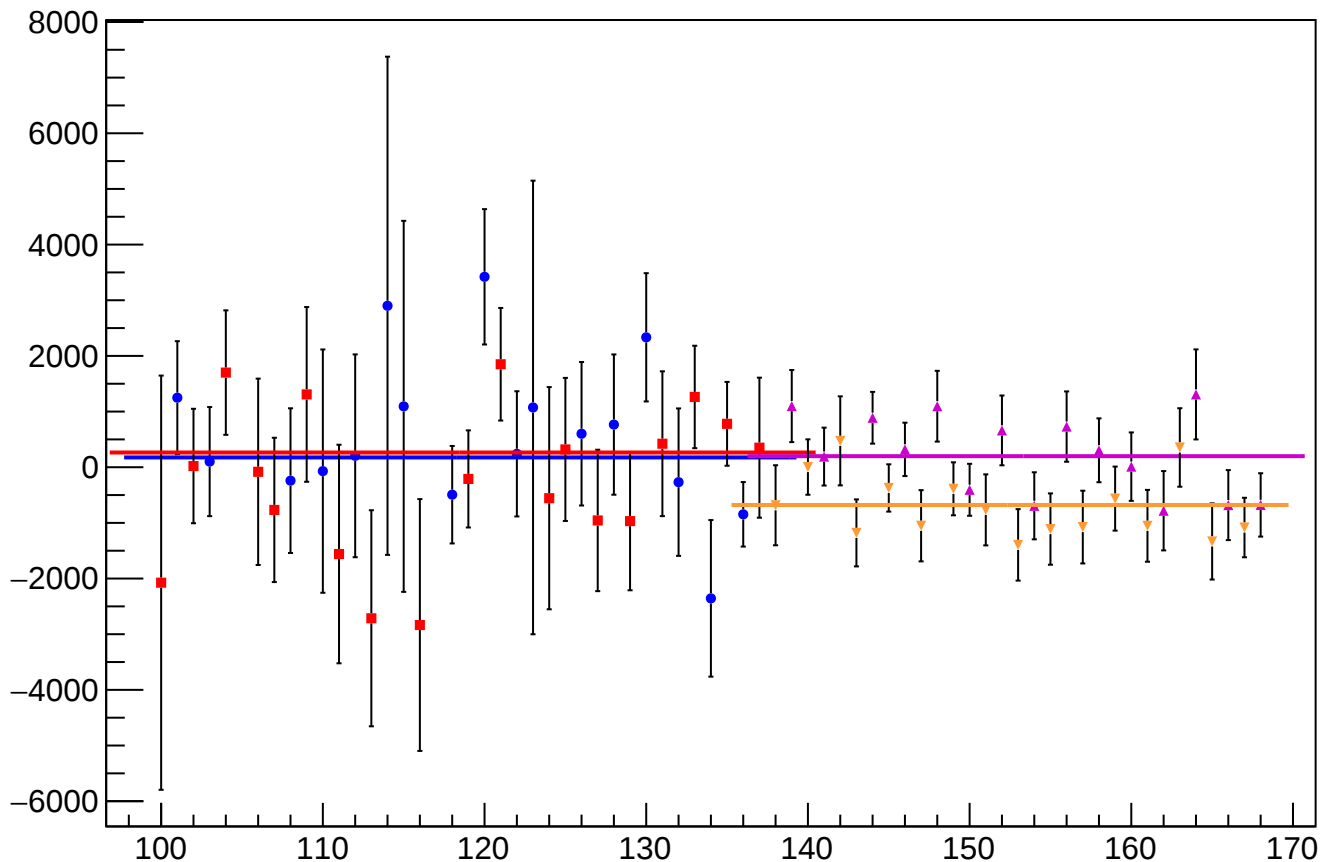
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 542.609 $\pm$ 0.092 χ^2 /NDF: 2028453.3/31

Out: 544.615 $\pm$ 0.091 χ^2 /NDF: 2448593.0/34

All: 543.621 $\pm$ 0.065 χ^2 /NDF: 4477284.4/66

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: -678.442 $\pm$ 148.383 χ^2 /NDF:12.0/15

Right Out: 264.622 $\pm$ 283.074 χ^2 /NDF: 14.8/18

Left In: 198.720 $\pm$ 149.521 χ^2 /NDF:19.5/14

Left: -243.212 $\pm$ 105.323 χ^2 /NDF: 48.9/30

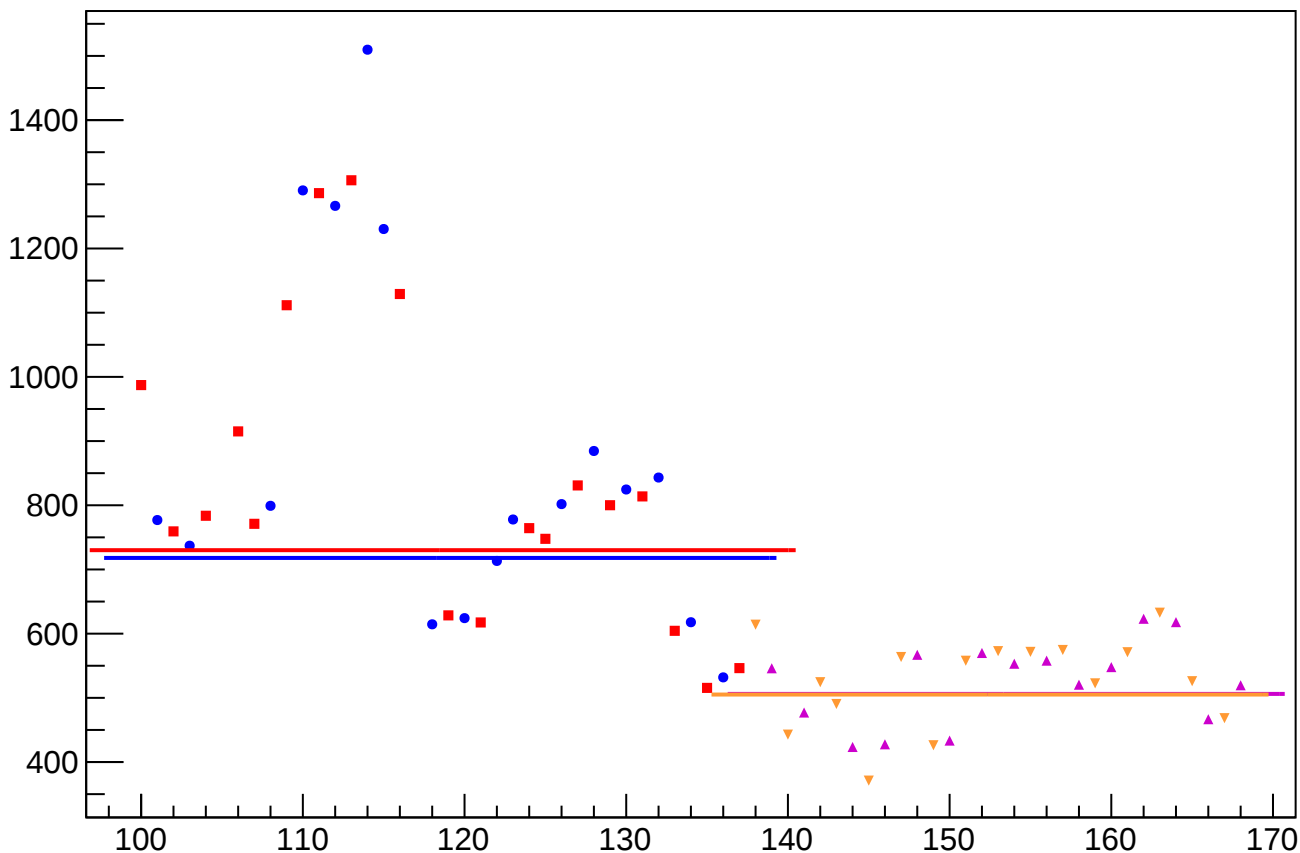
Right: 220.883 $\pm$ 201.613 χ^2 /NDF: 34.6/35

In: 193.845 $\pm$ 132.626 χ^2 /NDF:39.3/31

Out: -475.169 $\pm$ 131.422 χ^2 /NDF:35.5/34

All: -143.713 $\pm$ 93.352 χ^2 /NDF: 87.6/66

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973 $\pm$ 0.203 χ^2/NDF : 778580.1/16

Left Out: 505.152 $\pm$ 0.105 χ^2/NDF : 529903.0/15

Right Out: 730.040 $\pm$ 0.200 χ^2/NDF : 881842.0/18

Left In: 506.143 $\pm$ 0.106 χ^2/NDF : 355591.6/14

Left: 505.644 $\pm$ 0.074 χ^2/NDF : 885539.0/30

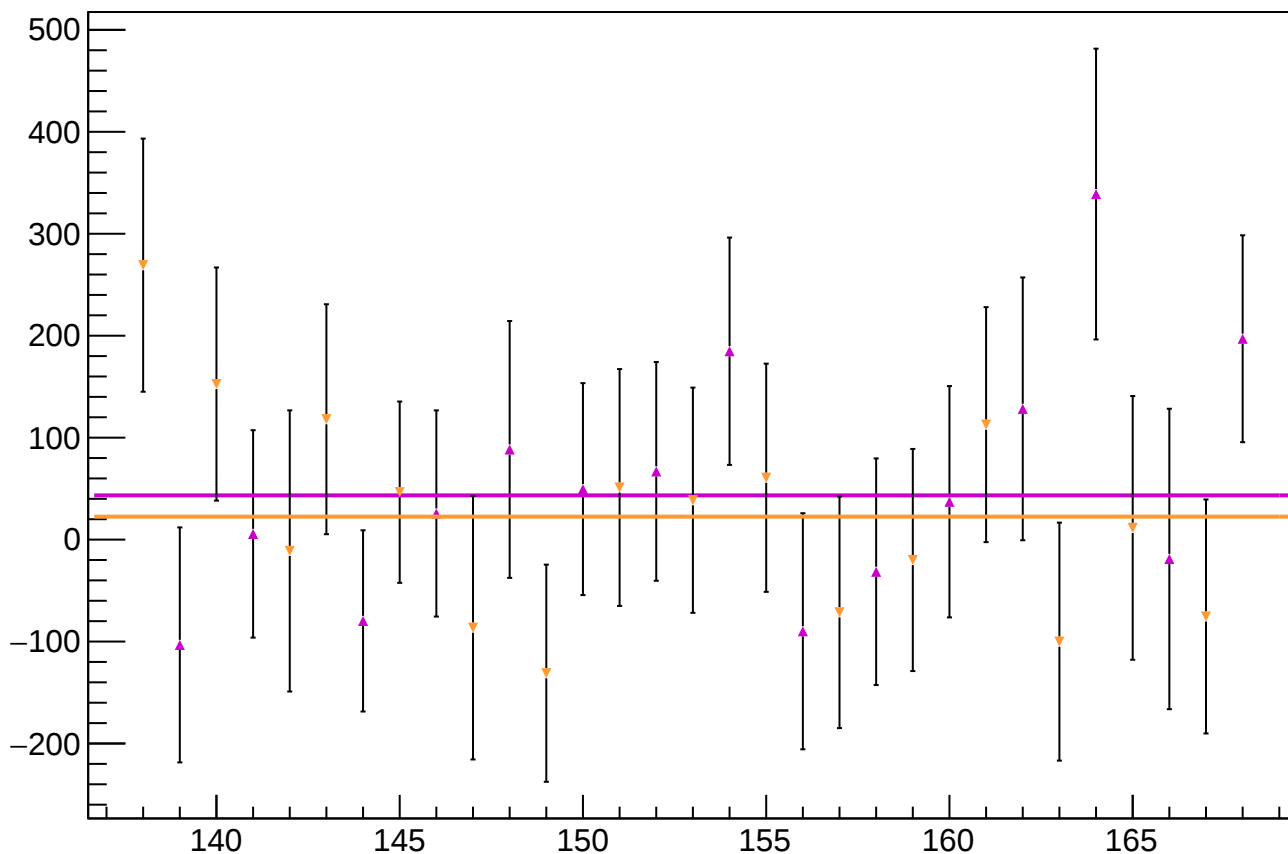
Right: 724.094 $\pm$ 0.143 χ^2/NDF : 1662212.8/35

In: 551.310 $\pm$ 0.094 χ^2/NDF : 1990090.7/31

Out: 553.625 $\pm$ 0.093 χ^2/NDF : 2401966.0/34

All: 552.478 $\pm$ 0.066 χ^2/NDF : 4392364.2/66

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 22.524+/-28.523 χ^2/NDF :12.4/15

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

Left In: 43.386+/-28.809 χ^2/NDF :14.5/14

Left: 32.851+/-20.269 χ^2/NDF : 27.1/30

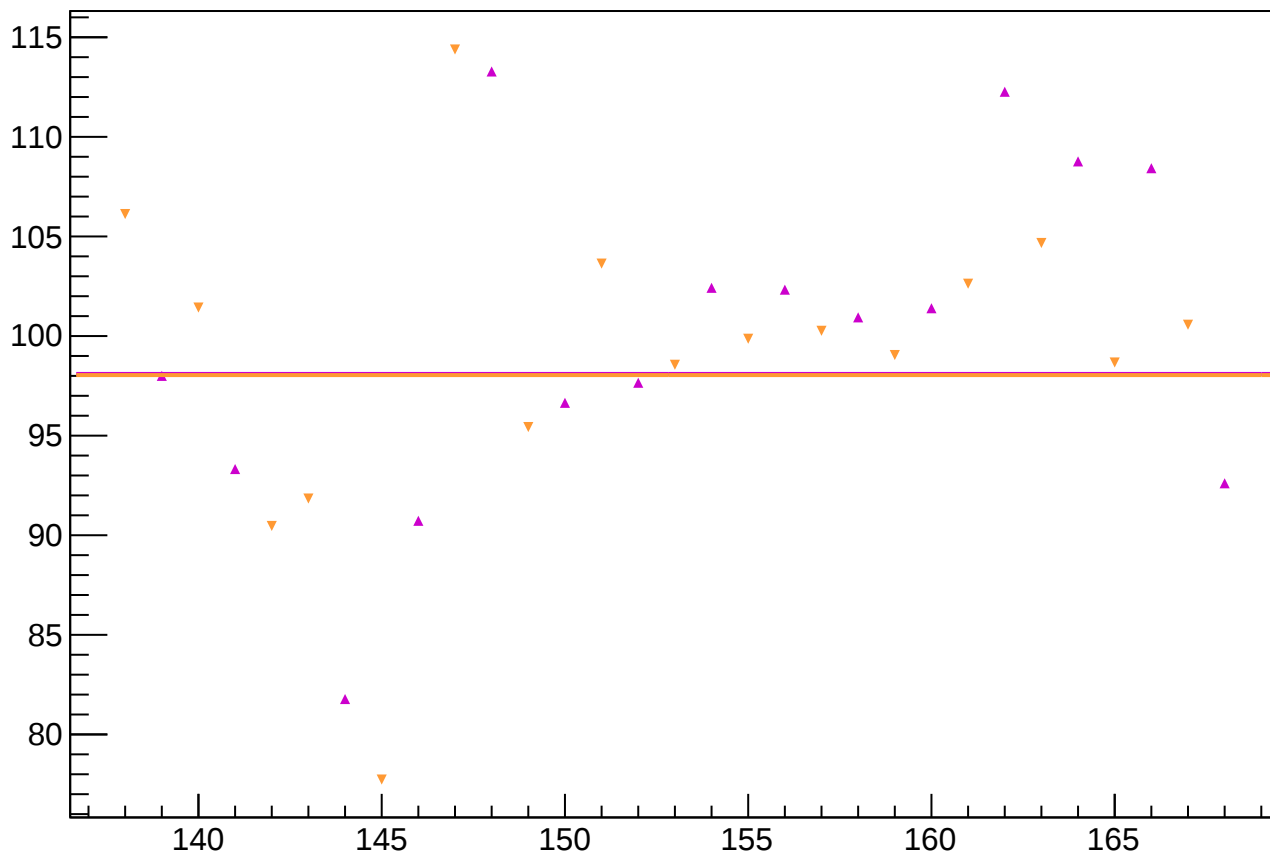
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 43.386+/-28.809 χ^2/NDF :14.5/14

Out: 22.524+/-28.523 χ^2/NDF :12.4/15

All: 32.851+/-20.269 χ^2/NDF : 27.1/30

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 98.040+/-0.020 χ^2/NDF :176572.7/15

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

Left In: 98.097+/-0.020 χ^2/NDF :171659.2/14

Left: 98.069+/-0.014 χ^2/NDF : 348235.9/30

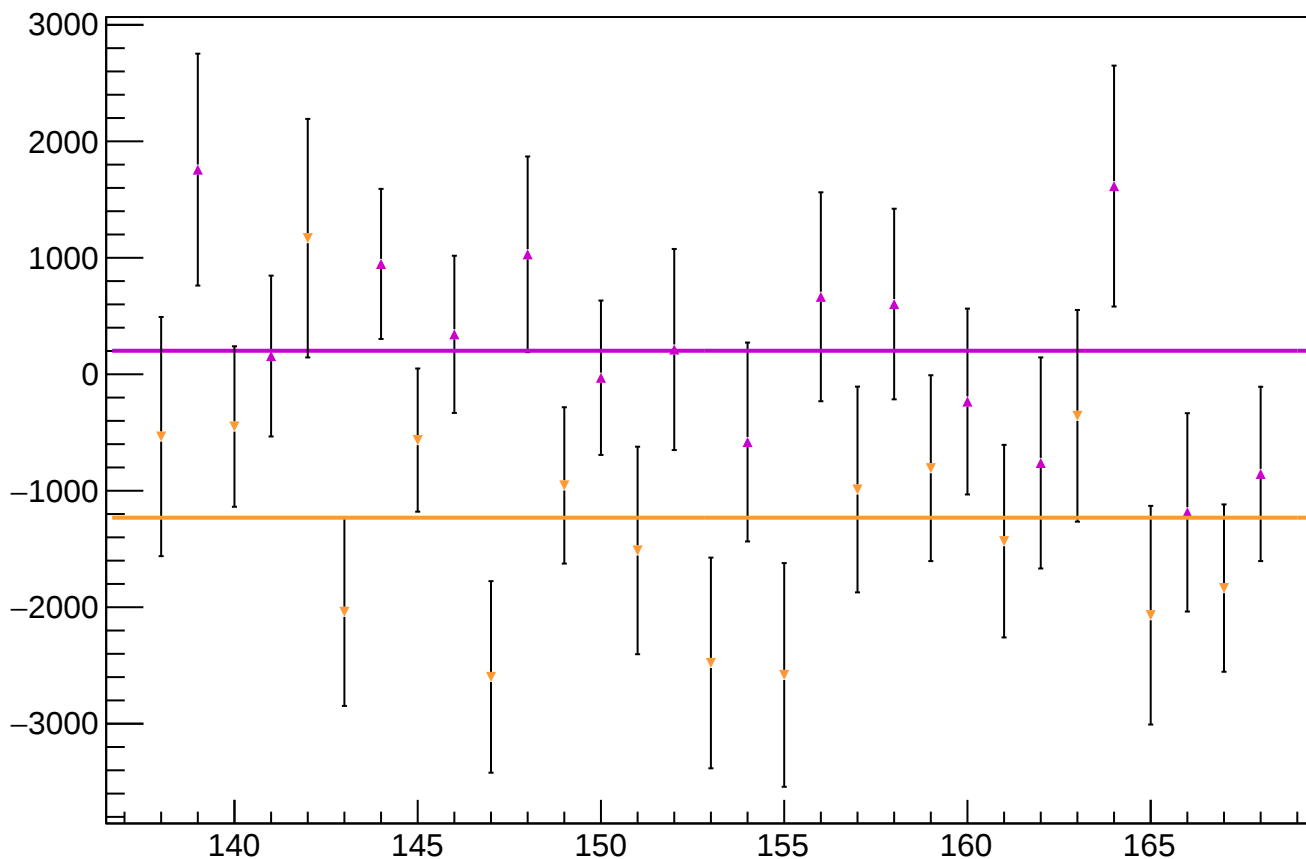
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 98.097+/-0.020 χ^2/NDF :171659.2/14

Out: 98.040+/-0.020 χ^2/NDF :176572.7/15

All: 98.069+/-0.014 χ^2/NDF : 348235.9/30

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1231.434+/-203.905 χ^2/NDF :19.2/15

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

Left In: 202.016+/-205.227 χ^2/NDF :14.2/14

Left: -519.343+/-144.648 χ^2/NDF : 57.9/30

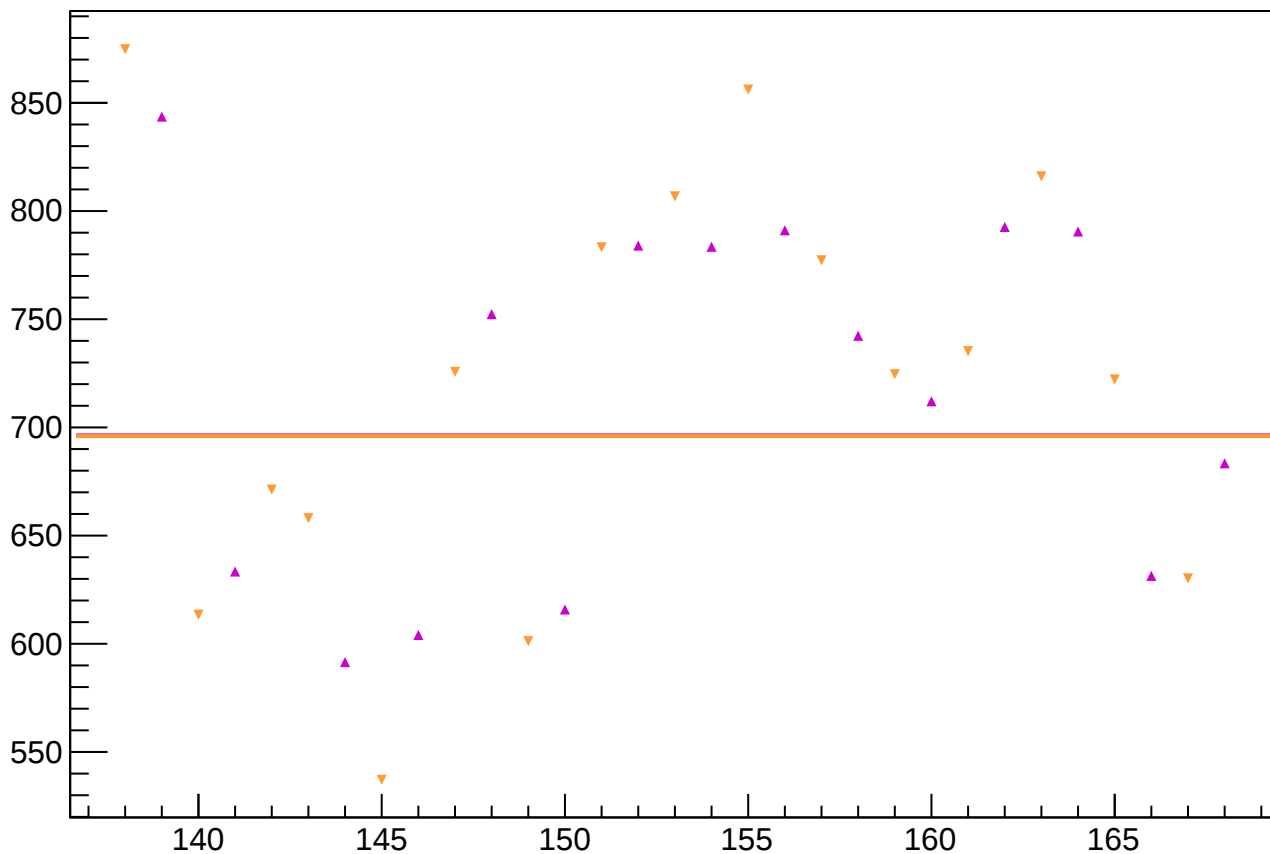
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 202.016+/-205.227 χ^2/NDF :14.2/14

Out: -1231.434+/-203.905 χ^2/NDF :19.2/15

All: -519.343+/-144.648 χ^2/NDF : 57.9/30

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 695.989+/-0.144 χ^2/NDF :453113.7/15

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

Left In: 696.310+/-0.145 χ^2/NDF :311391.1/14

Left: 696.148+/-0.102 χ^2/NDF : 764507.3/30

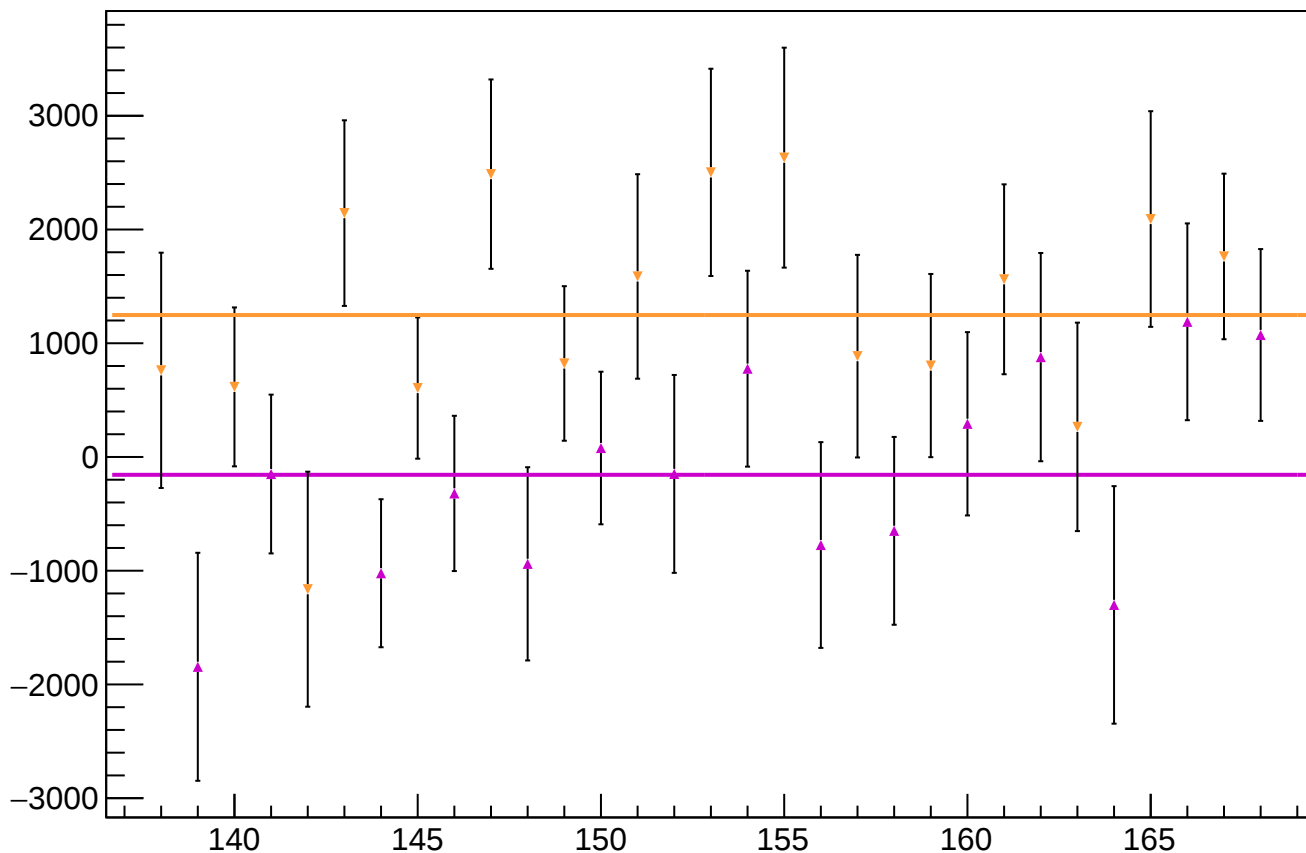
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 696.310+/-0.145 χ^2/NDF :311391.1/14

Out: 695.989+/-0.144 χ^2/NDF :453113.7/15

All: 696.148+/-0.102 χ^2/NDF : 764507.3/30

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1248.124+/-206.026 χ^2/NDF :18.5/15

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

Left In: -156.842+/-207.352 χ^2/NDF :15.5/14

Left: 550.147+/-146.149 χ^2/NDF : 57.1/30

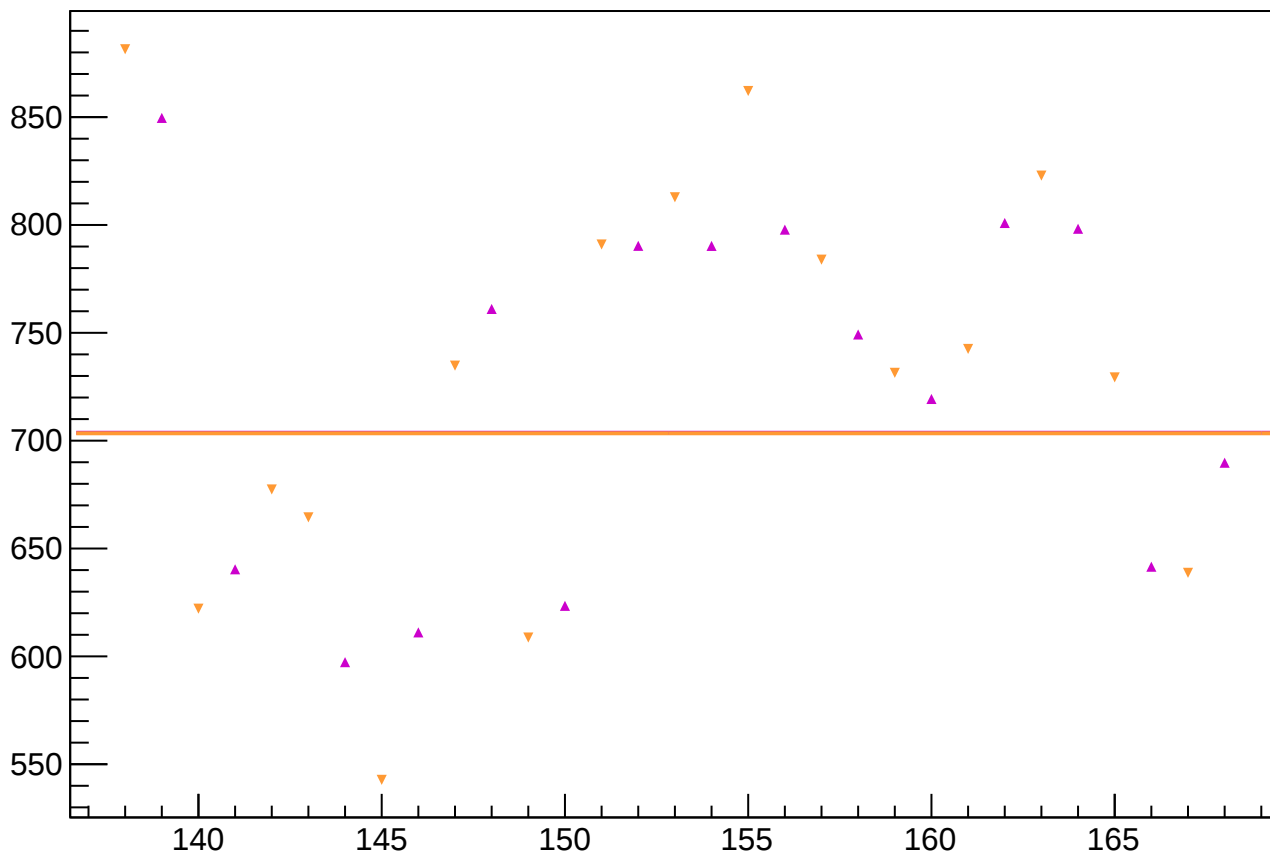
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -156.842+/-207.352 χ^2/NDF :15.5/14

Out: 1248.124+/-206.026 χ^2/NDF :18.5/15

All: 550.147+/-146.149 χ^2/NDF : 57.1/30

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 703.429+/-0.146 χ^2/NDF :443722.3/15

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

Left In: 703.656+/-0.147 χ^2/NDF :305332.6/14

Left: 703.542+/-0.103 χ^2/NDF : 749056.1/30

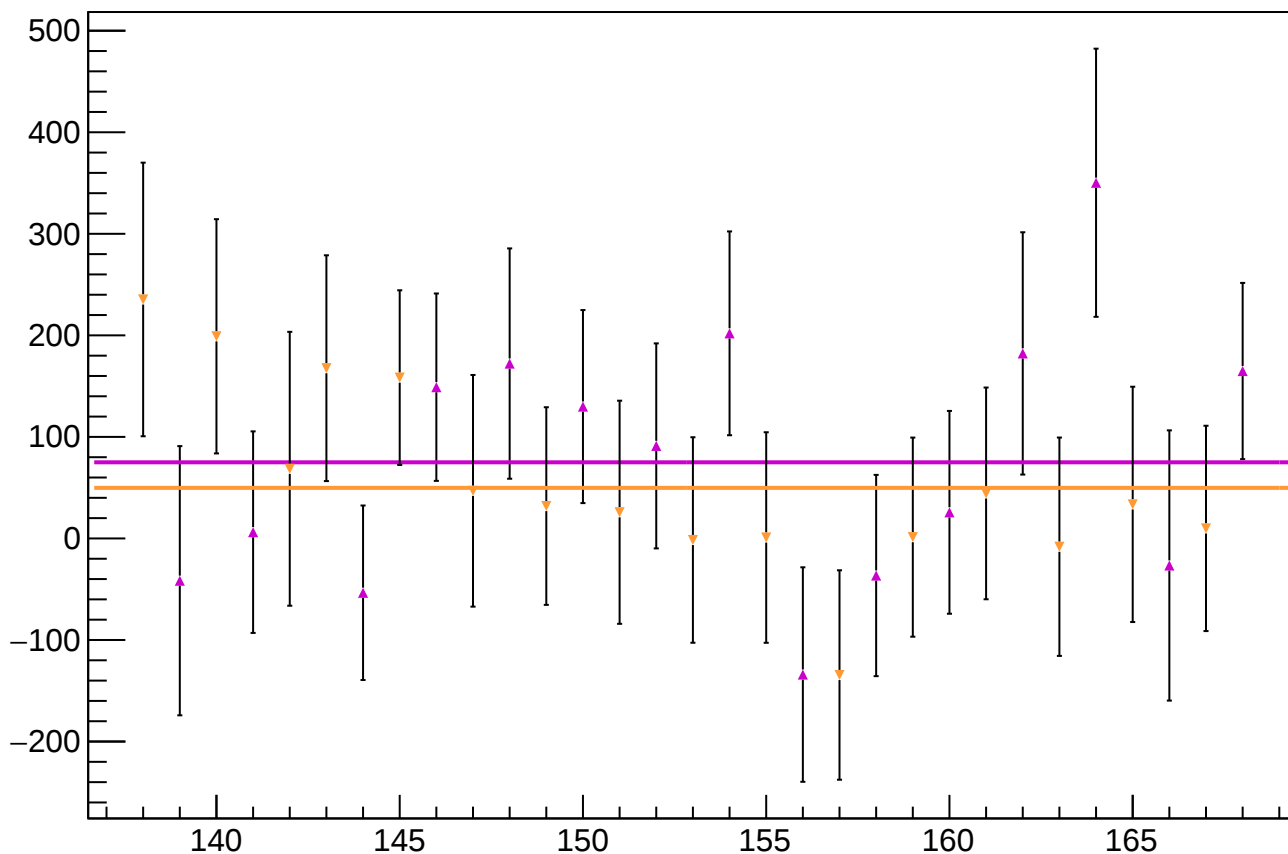
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 703.656+/-0.147 χ^2/NDF :305332.6/14

Out: 703.429+/-0.146 χ^2/NDF :443722.3/15

All: 703.542+/-0.103 χ^2/NDF : 749056.1/30

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: 49.813 $\pm$ 26.667 χ^2 /NDF:10.8/15

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

Left In: 74.978 $\pm$ 26.671 χ^2 /NDF:19.1/14

Left: 62.394 $\pm$ 18.858 χ^2 /NDF: 30.3/30

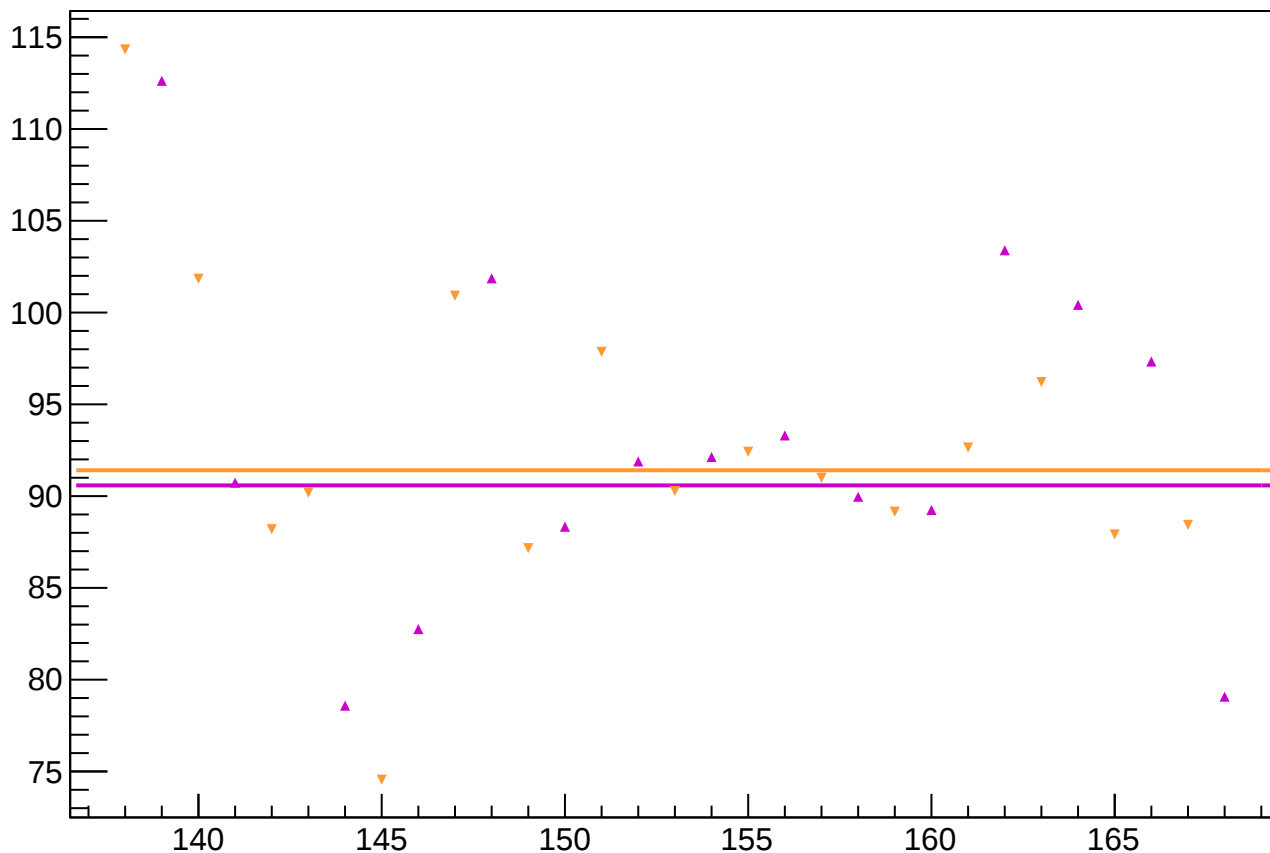
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 74.978 $\pm$ 26.671 χ^2 /NDF:19.1/14

Out: 49.813 $\pm$ 26.667 χ^2 /NDF:10.8/15

All: 62.394 $\pm$ 18.858 χ^2 /NDF: 30.3/30

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.407+/-0.019 χ^2 /NDF:186451.7/15

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

Left In: 90.584+/-0.019 χ^2 /NDF:206652.2/14

Left: 90.996+/-0.013 χ^2 /NDF: 394058.2/30

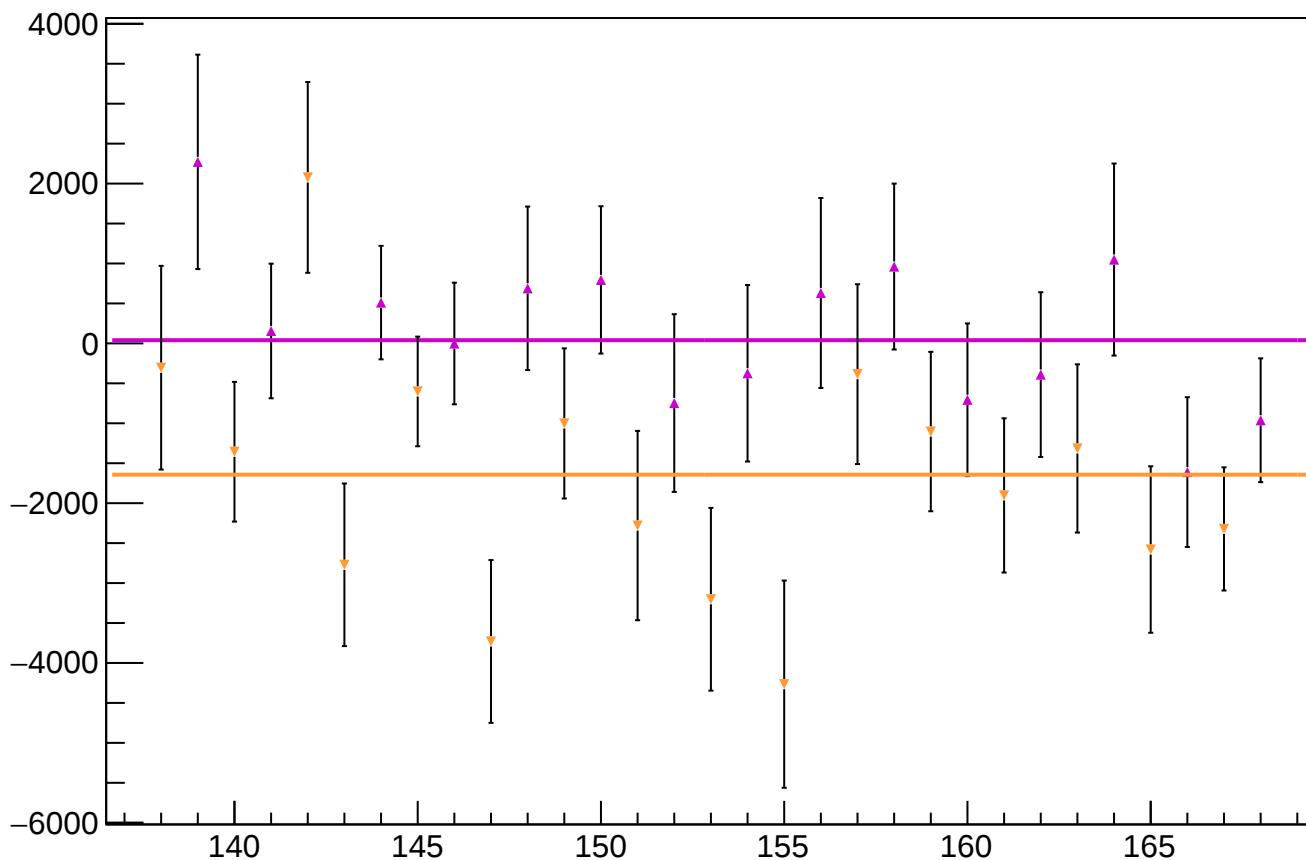
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 90.584+/-0.019 χ^2 /NDF:206652.2/14

Out: 91.407+/-0.019 χ^2 /NDF:186451.7/15

All: 90.996+/-0.013 χ^2 /NDF: 394058.2/30

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1643.824+/-248.020 χ^2/NDF :28.7/15

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

Left In: 39.819+/-245.437 χ^2/NDF :12.2/14

Left: -793.190+/-174.456 χ^2/NDF : 64.2/30

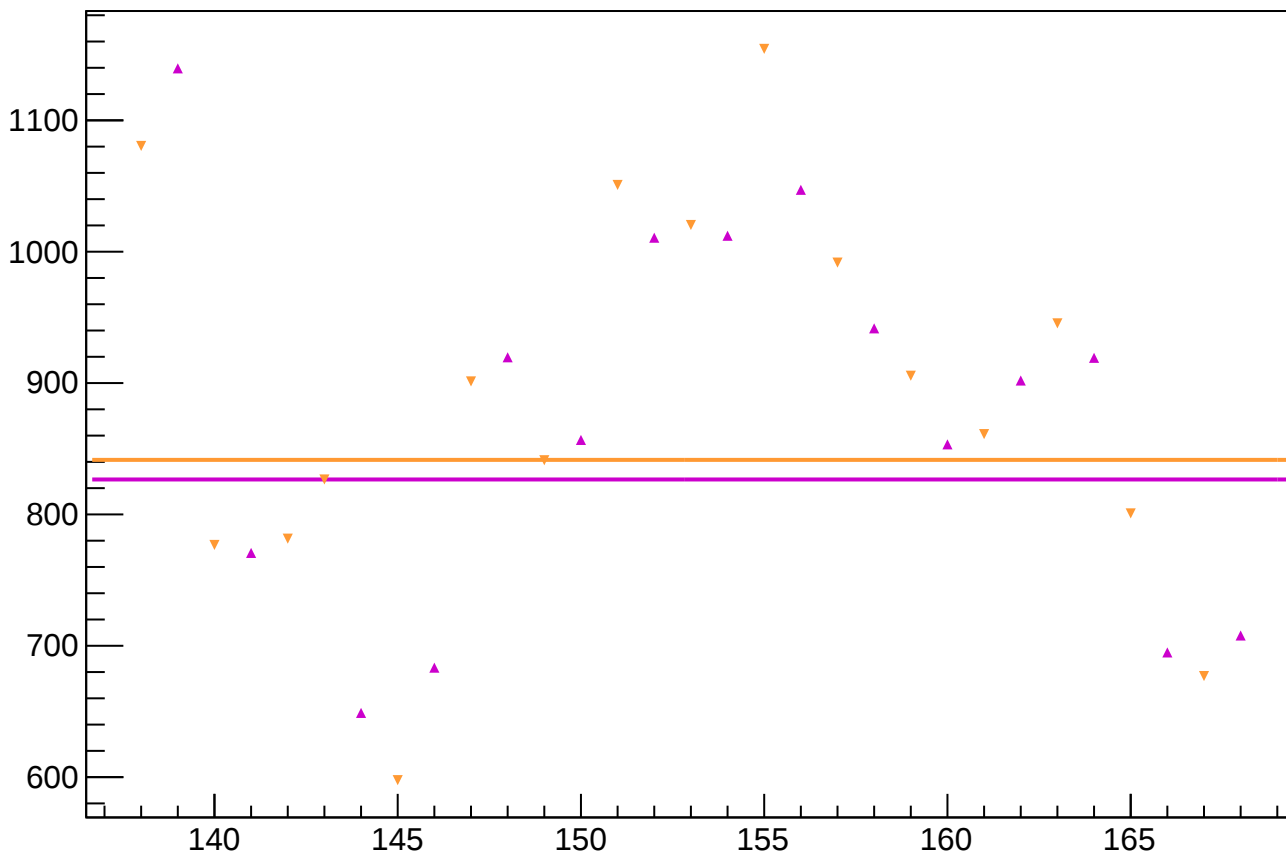
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 39.819+/-245.437 χ^2/NDF :12.2/14

Out: -1643.824+/-248.020 χ^2/NDF :28.7/15

All: -793.190+/-174.456 χ^2/NDF : 64.2/30

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 841.524+/-0.175 χ^2/NDF : 732322.3/15

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

Left In: 826.600+/-0.174 χ^2/NDF : 647504.8/14

Left: 833.984+/-0.123 χ^2/NDF : 1383485.9/30

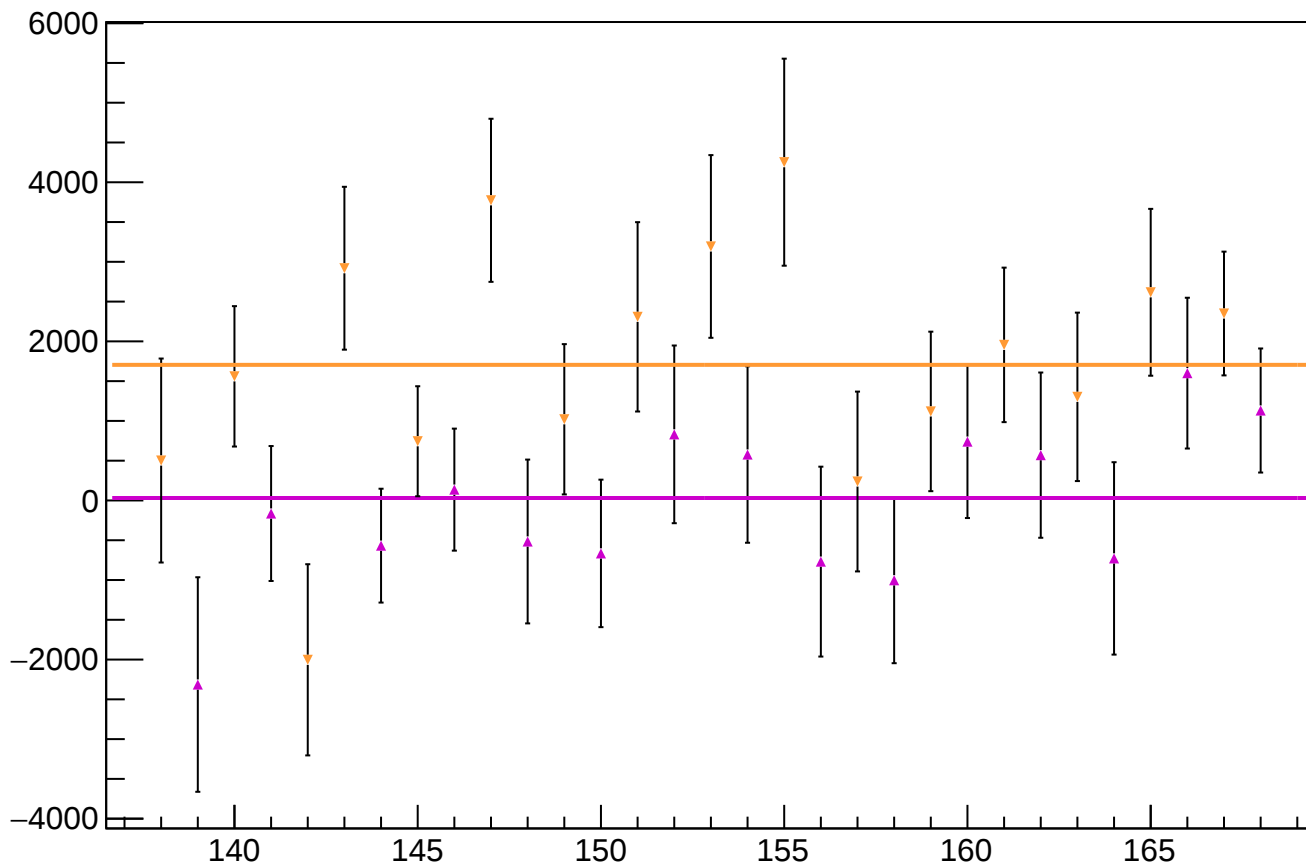
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 826.600+/-0.174 χ^2/NDF : 647504.8/14

Out: 841.524+/-0.175 χ^2/NDF : 732322.3/15

All: 833.984+/-0.123 χ^2/NDF : 1383485.9/30

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1704.757+/-249.603 χ^2/NDF :27.8/15

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

Left In: 30.979+/-247.021 χ^2/NDF :12.8/14

Left: 859.163+/-175.576 χ^2/NDF : 63.3/30

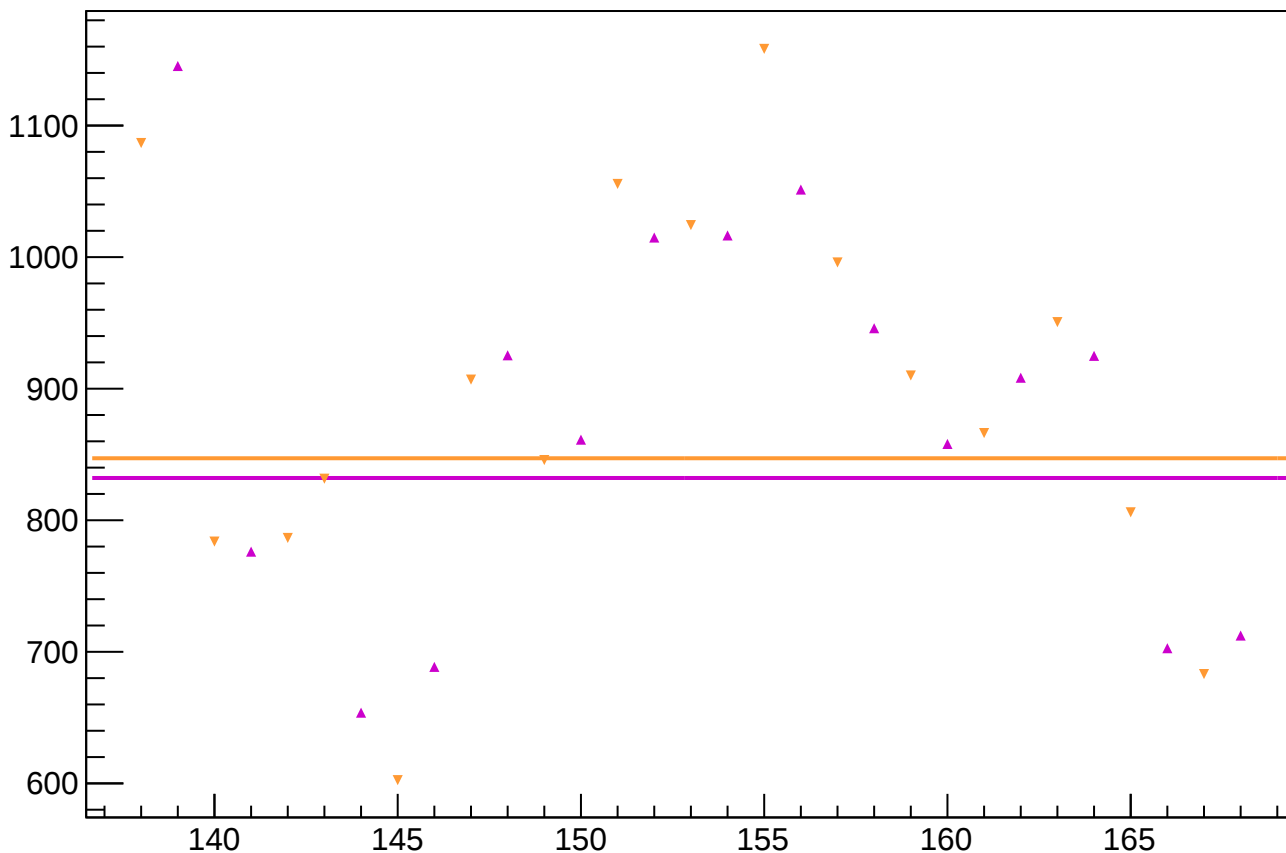
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 30.979+/-247.021 χ^2/NDF :12.8/14

Out: 1704.757+/-249.603 χ^2/NDF :27.8/15

All: 859.163+/-175.576 χ^2/NDF : 63.3/30

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 847.121+/-0.176 χ^2/NDF : 720705.0/15

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

Left In: 832.126+/-0.175 χ^2/NDF : 637855.7/14

Left: 839.546+/-0.124 χ^2/NDF : 1362207.1/30

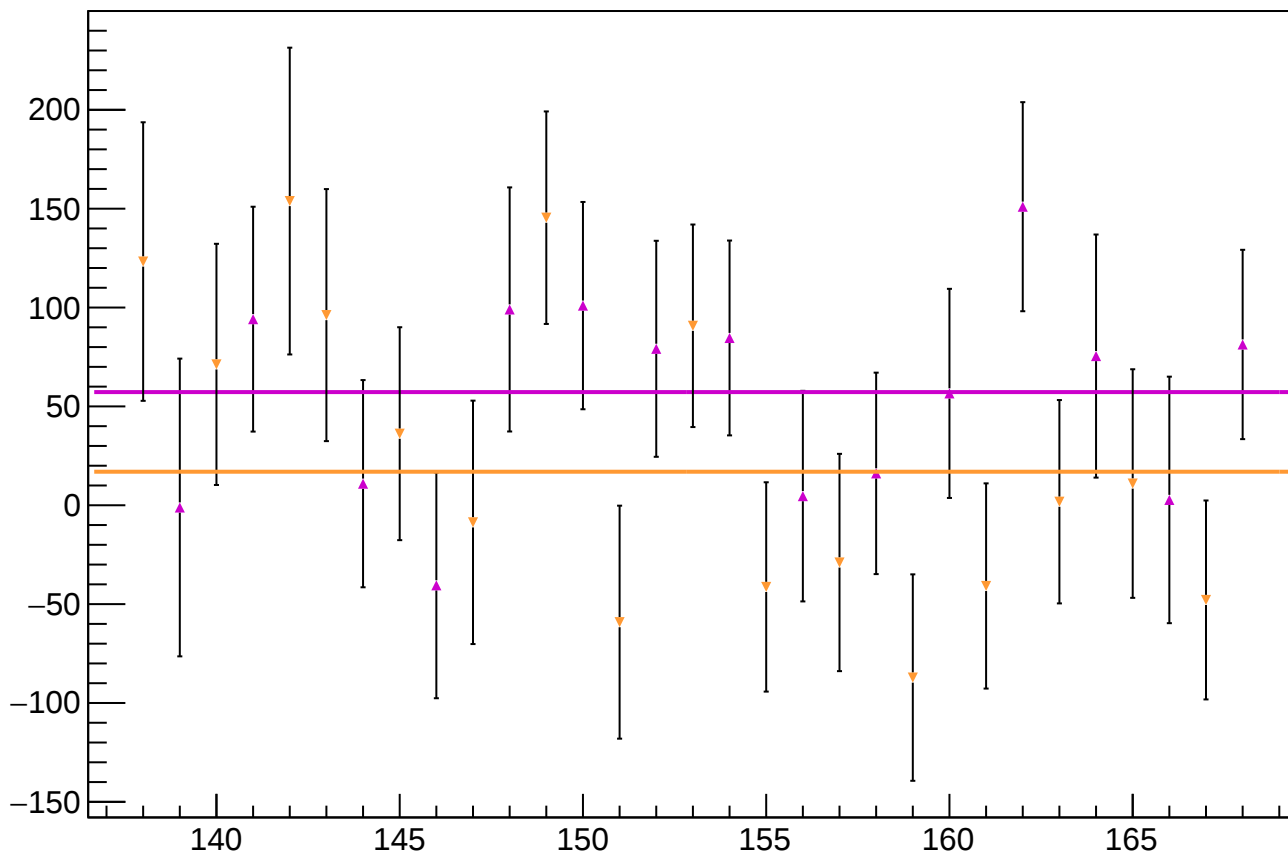
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 832.126+/-0.175 χ^2/NDF : 637855.7/14

Out: 847.121+/-0.176 χ^2/NDF : 720705.0/15

All: 839.546+/-0.124 χ^2/NDF : 1362207.1/30

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 16.968 $\pm$ 14.134 χ^2 /NDF:26.4/15

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

Left In: 57.238 $\pm$ 14.226 χ^2 /NDF:12.2/14

Left: 36.972 $\pm$ 10.027 χ^2 /NDF: 42.6/30

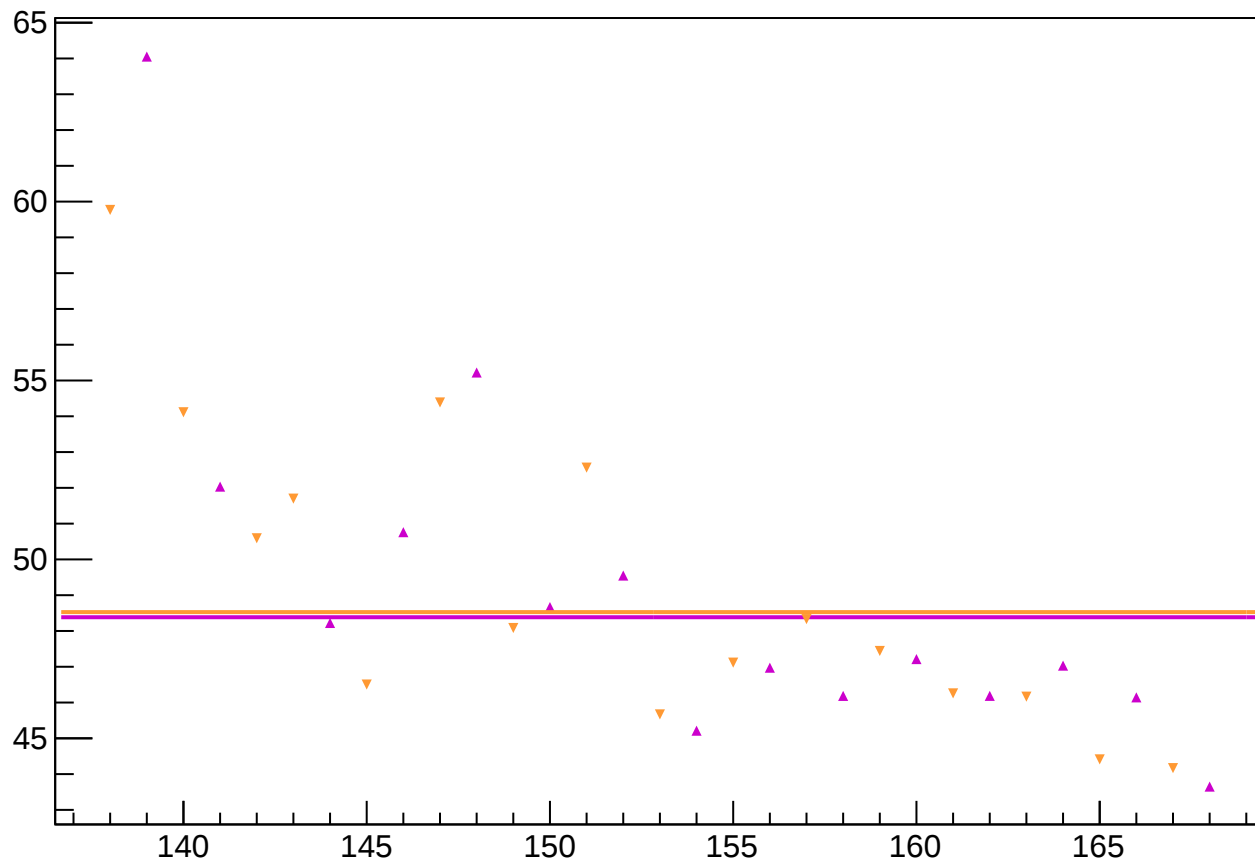
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 57.238 $\pm$ 14.226 χ^2 /NDF:12.2/14

Out: 16.968 $\pm$ 14.134 χ^2 /NDF:26.4/15

All: 36.972 $\pm$ 10.027 χ^2 /NDF: 42.6/30

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 48.527+/-0.010 χ^2/NDF :146296.1/15

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

Left In: 48.384+/-0.010 χ^2/NDF :164797.6/14

Left: 48.456+/-0.007 χ^2/NDF : 311195.9/30

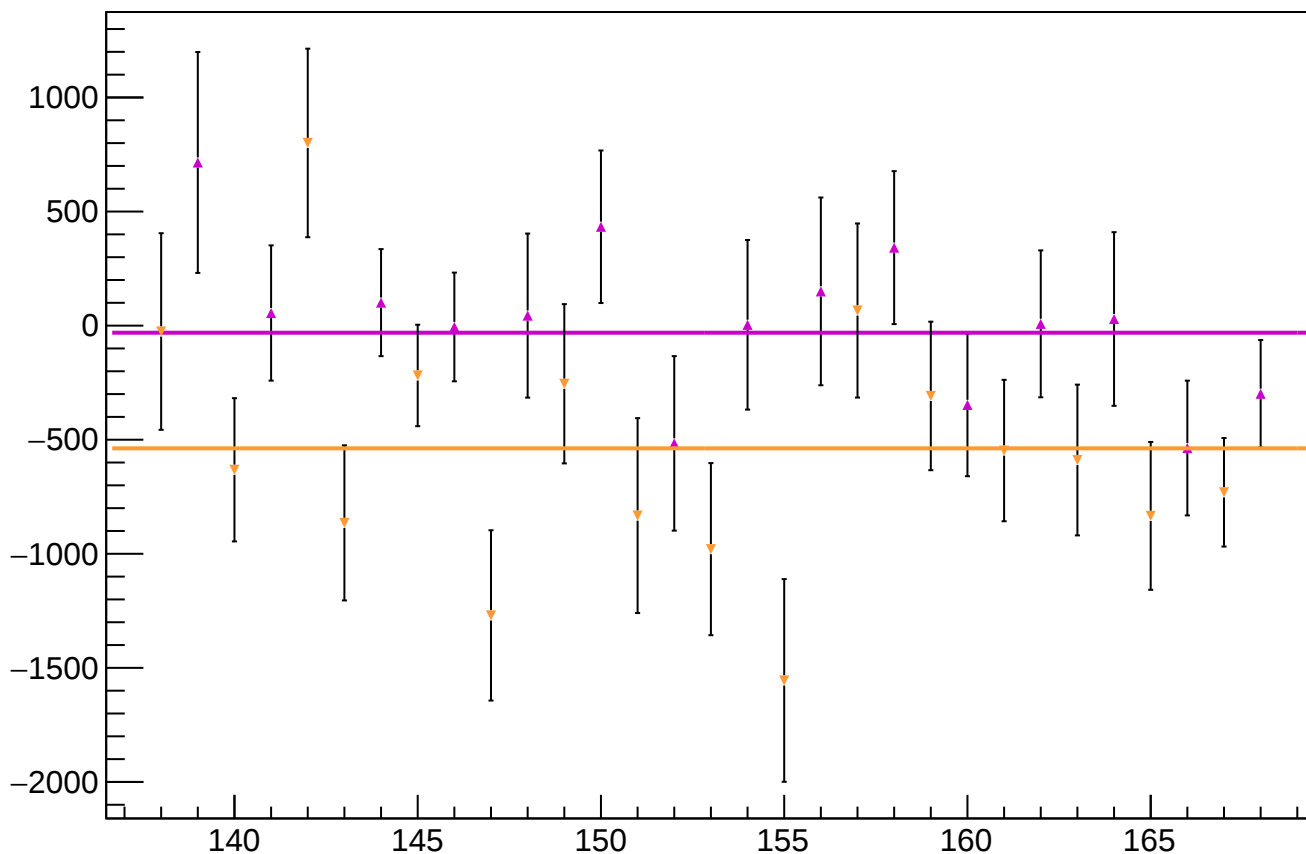
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.384+/-0.010 χ^2/NDF :164797.6/14

Out: 48.527+/-0.010 χ^2/NDF :146296.1/15

All: 48.456+/-0.007 χ^2/NDF : 311195.9/30

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -537.862+/-82.671 χ^2/NDF :31.1/15

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

Left In: -31.033+/-80.767 χ^2/NDF :13.1/14

Left: -278.545+/-57.772 χ^2/NDF : 63.4/30

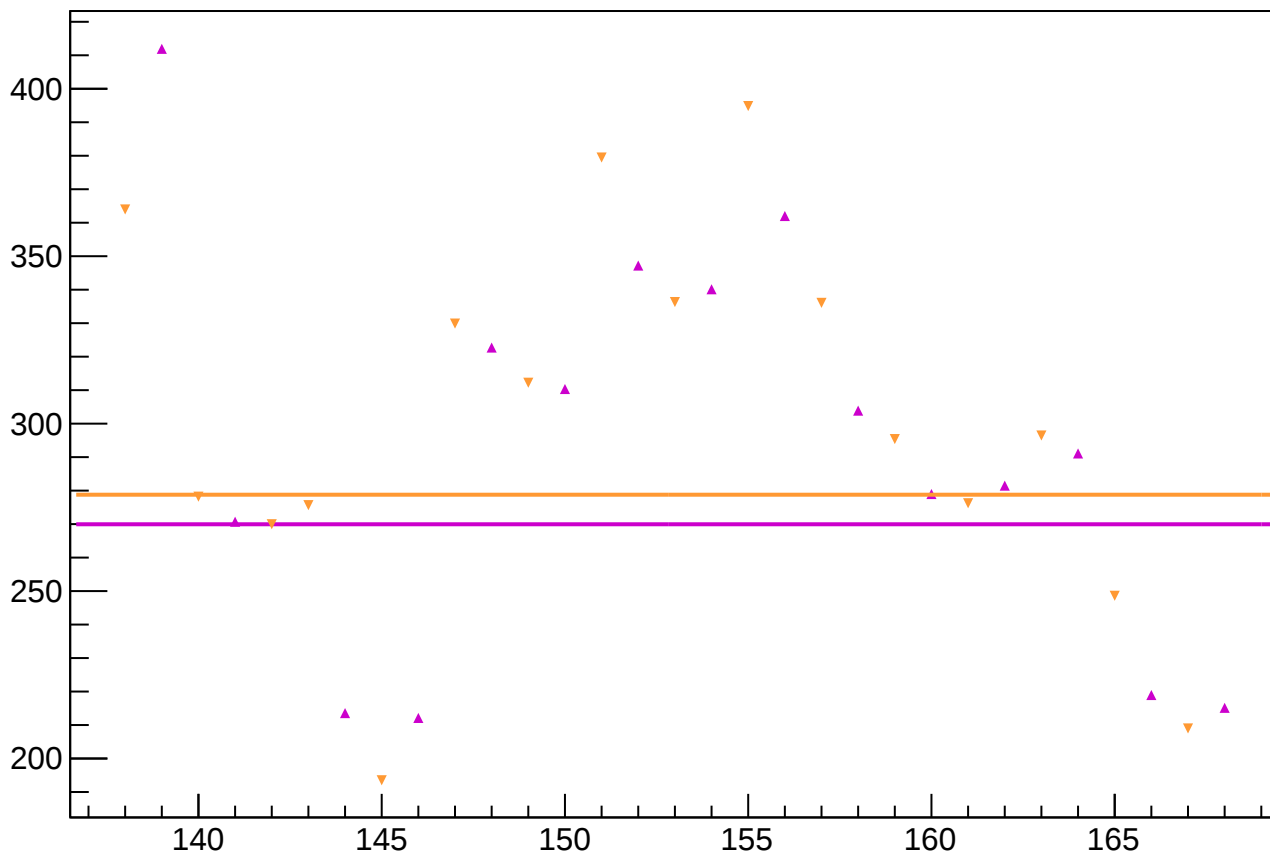
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.033+/-80.767 χ^2/NDF :13.1/14

Out: -537.862+/-82.671 χ^2/NDF :31.1/15

All: -278.545+/-57.772 χ^2/NDF : 63.4/30

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 278.779+/-0.058 χ^2/NDF :969194.7/15

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

Left In: 269.951+/-0.057 χ^2/NDF :929634.5/14

Left: 274.262+/-0.041 χ^2/NDF : 1910497.7/30

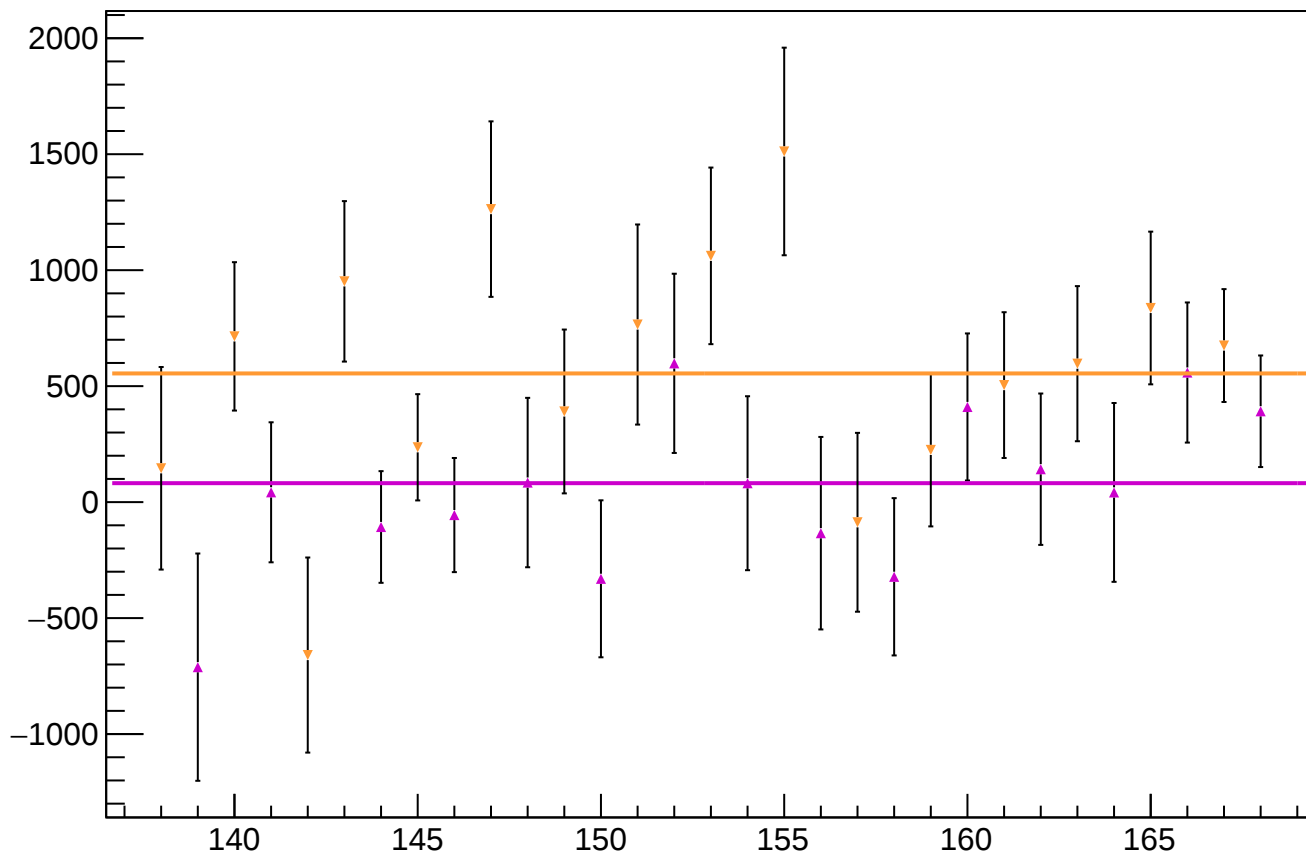
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 269.951+/-0.057 χ^2/NDF :929634.5/14

Out: 278.779+/-0.058 χ^2/NDF :969194.7/15

All: 274.262+/-0.041 χ^2/NDF : 1910497.7/30

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 554.779+/-84.074 χ^2/NDF :27.8/15

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

Left In: 81.706+/-82.261 χ^2/NDF :13.8/14

Left: 313.086+/-58.798 χ^2/NDF : 57.8/30

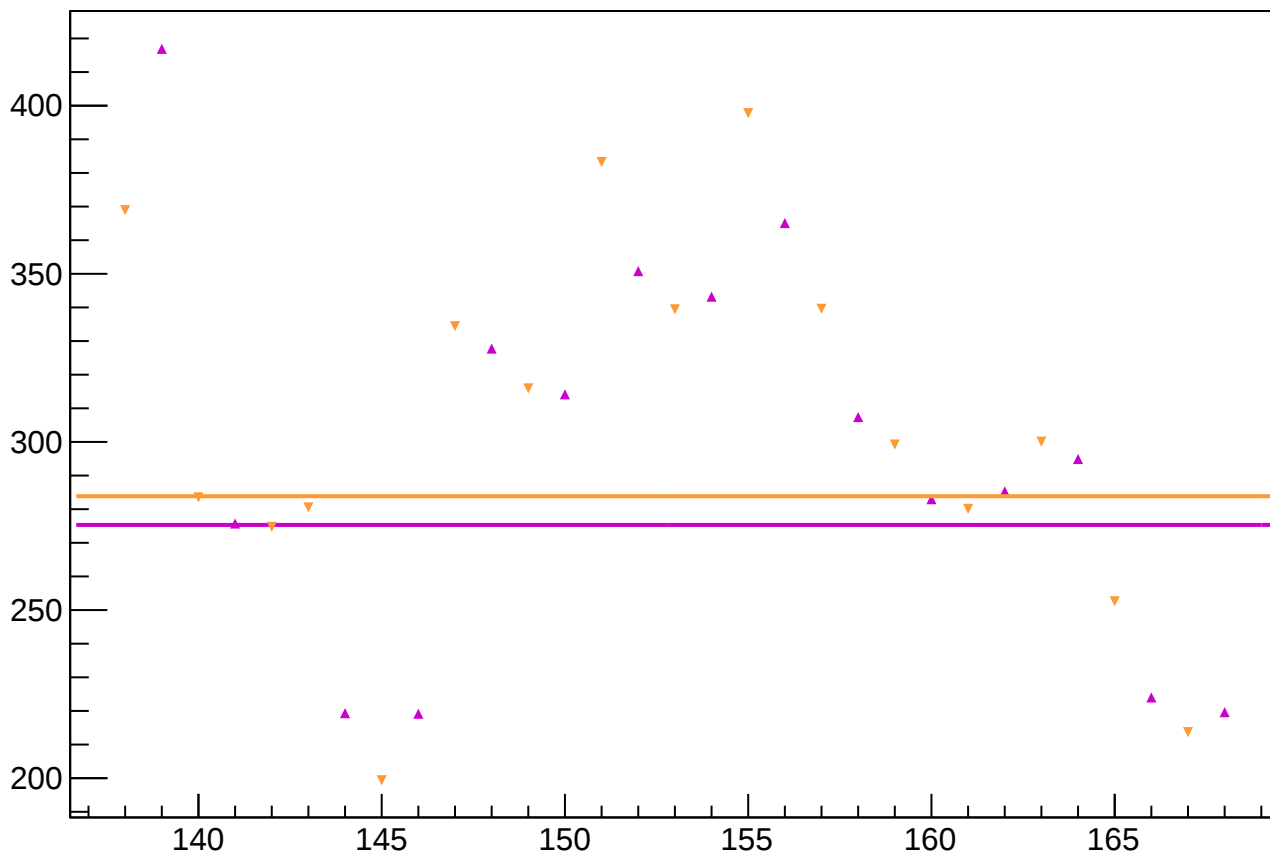
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 81.706+/-82.261 χ^2/NDF :13.8/14

Out: 554.779+/-84.074 χ^2/NDF :27.8/15

All: 313.086+/-58.798 χ^2/NDF : 57.8/30

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 283.860+/-0.059 χ^2/NDF : 915123.6/15

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

Left In: 275.316+/-0.058 χ^2/NDF : 873425.8/14

Left: 279.495+/-0.042 χ^2/NDF : 1799102.1/30

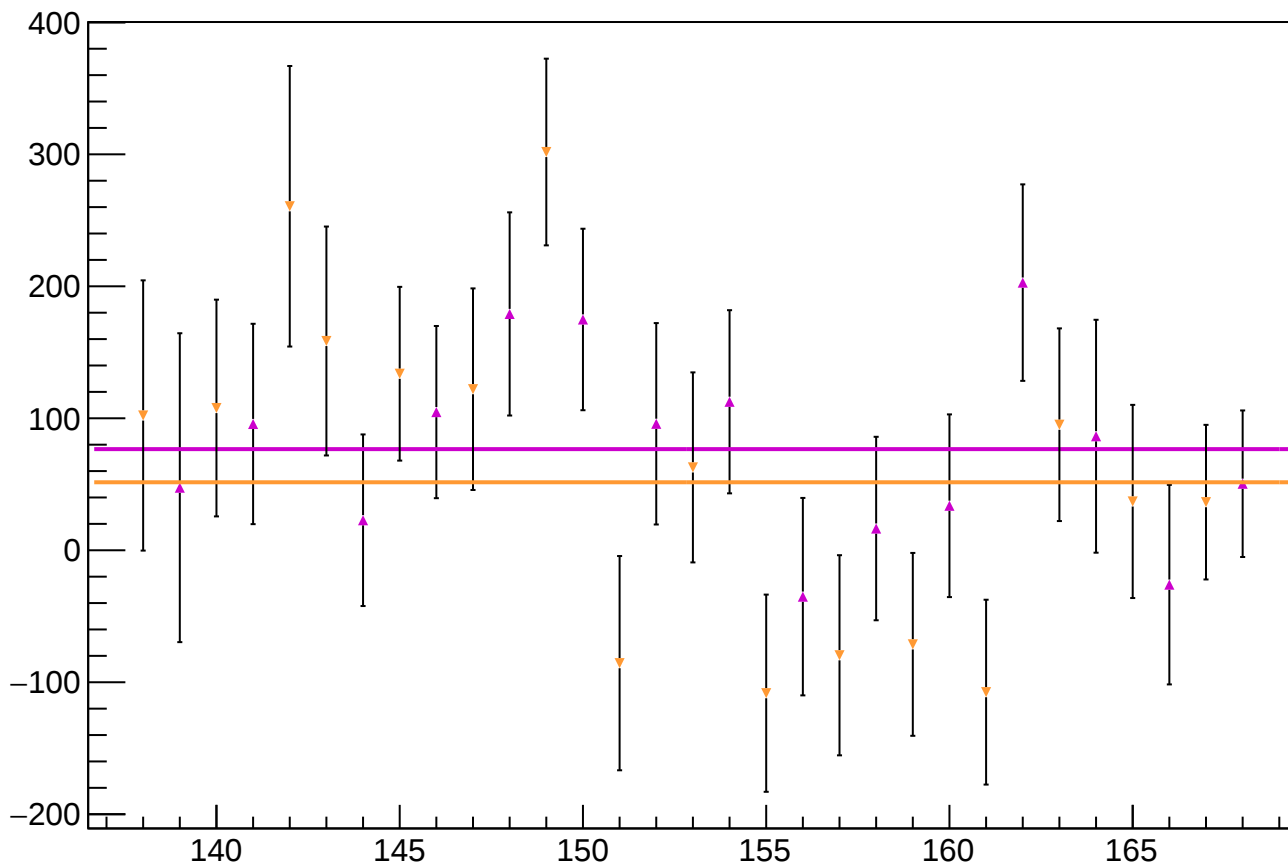
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 275.316+/-0.058 χ^2/NDF : 873425.8/14

Out: 283.860+/-0.059 χ^2/NDF : 915123.6/15

All: 279.495+/-0.042 χ^2/NDF : 1799102.1/30

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 51.523 $\pm$ 18.753 χ^2 /NDF:40.2/15

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

Left In: 76.637 $\pm$ 18.632 χ^2 /NDF:13.5/14

Left: 64.162 $\pm$ 13.217 χ^2 /NDF: 54.6/30

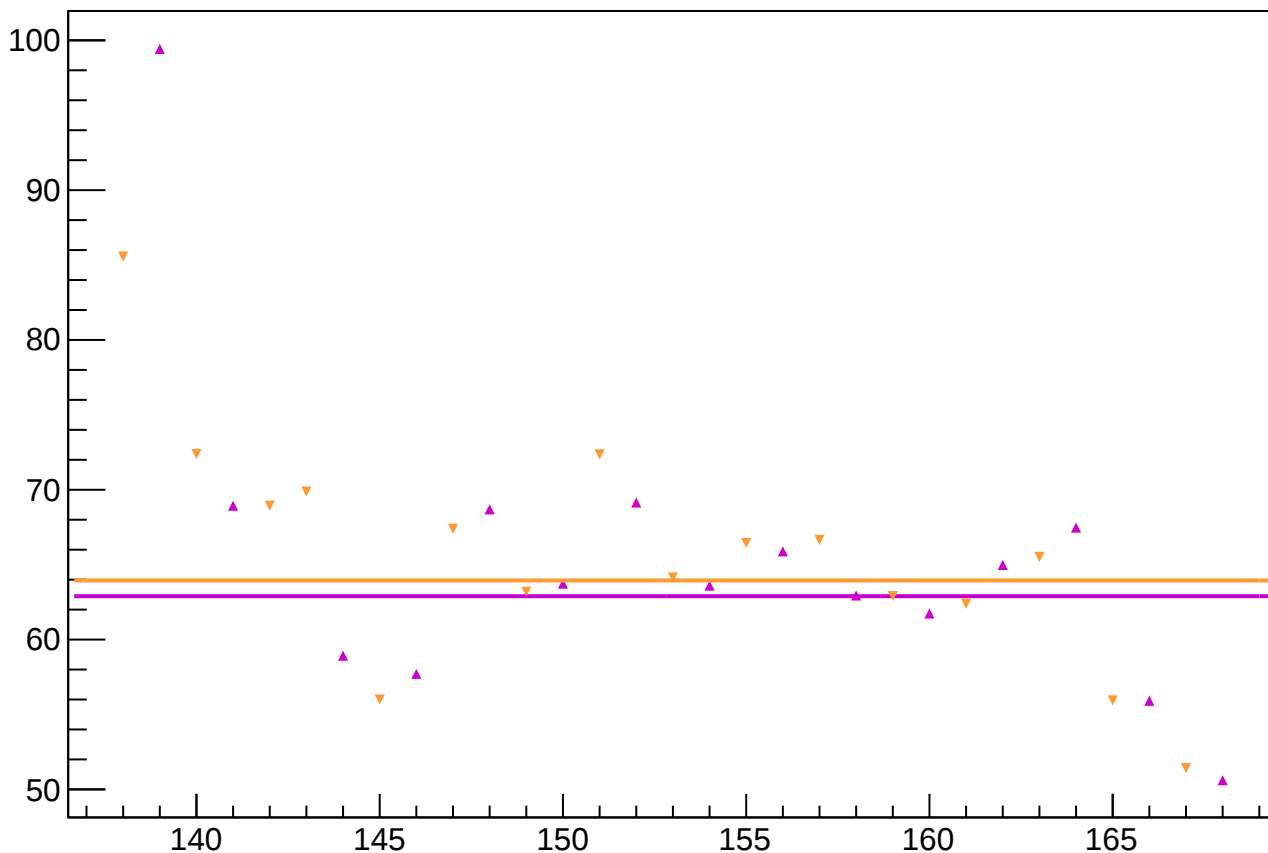
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 76.637 $\pm$ 18.632 χ^2 /NDF:13.5/14

Out: 51.523 $\pm$ 18.753 χ^2 /NDF:40.2/15

All: 64.162 $\pm$ 13.217 χ^2 /NDF: 54.6/30

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 63.946+/-0.013 χ^2/NDF :301735.6/15

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

Left In: 62.895+/-0.013 χ^2/NDF :378624.8/14

Left: 63.417+/-0.009 χ^2/NDF : 683517.9/30

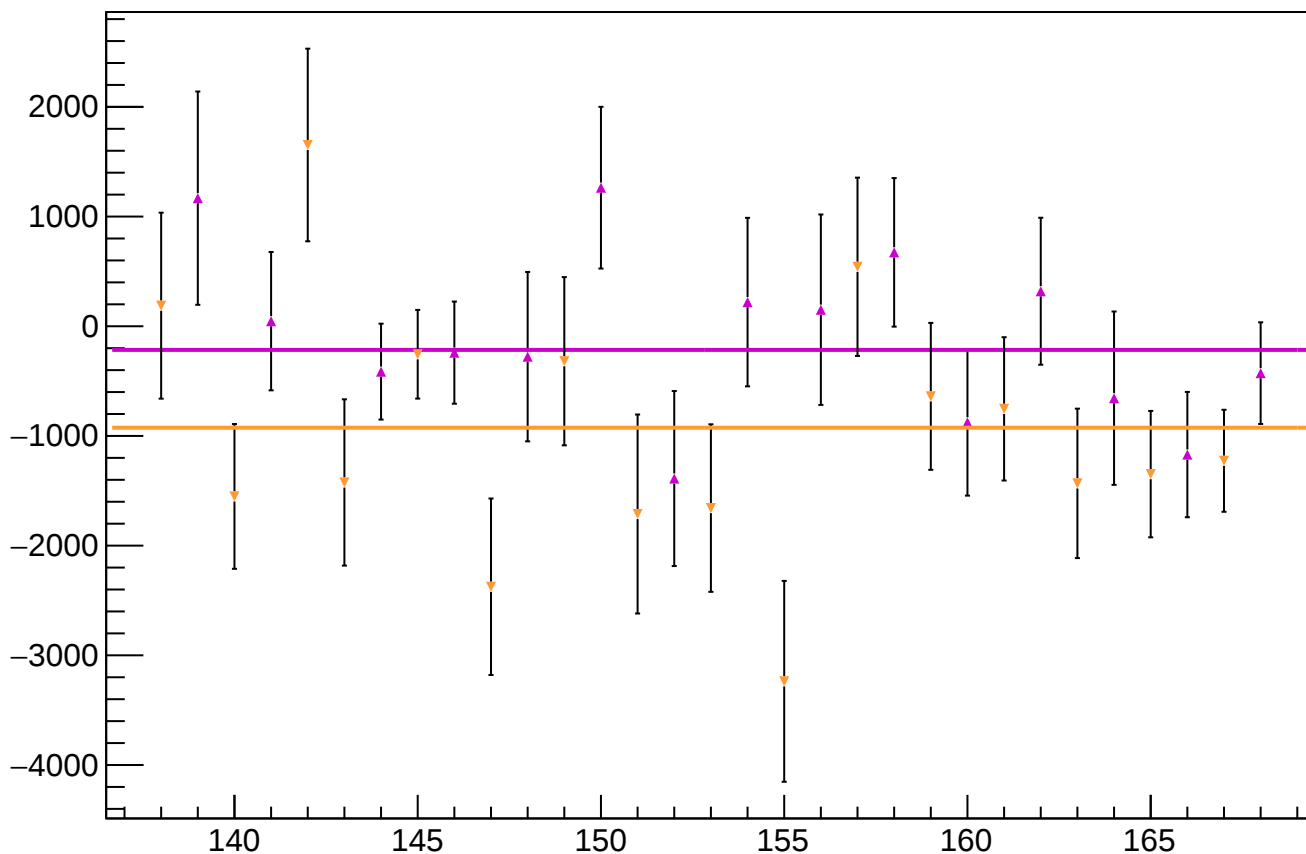
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.895+/-0.013 χ^2/NDF :378624.8/14

Out: 63.946+/-0.013 χ^2/NDF :301735.6/15

All: 63.417+/-0.009 χ^2/NDF : 683517.9/30

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -924.915+/-166.448 χ^2/NDF :31.4/15

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

Left In: -215.492+/-163.281 χ^2/NDF :15.7/14

Left: -563.390+/-116.561 χ^2/NDF : 56.4/30

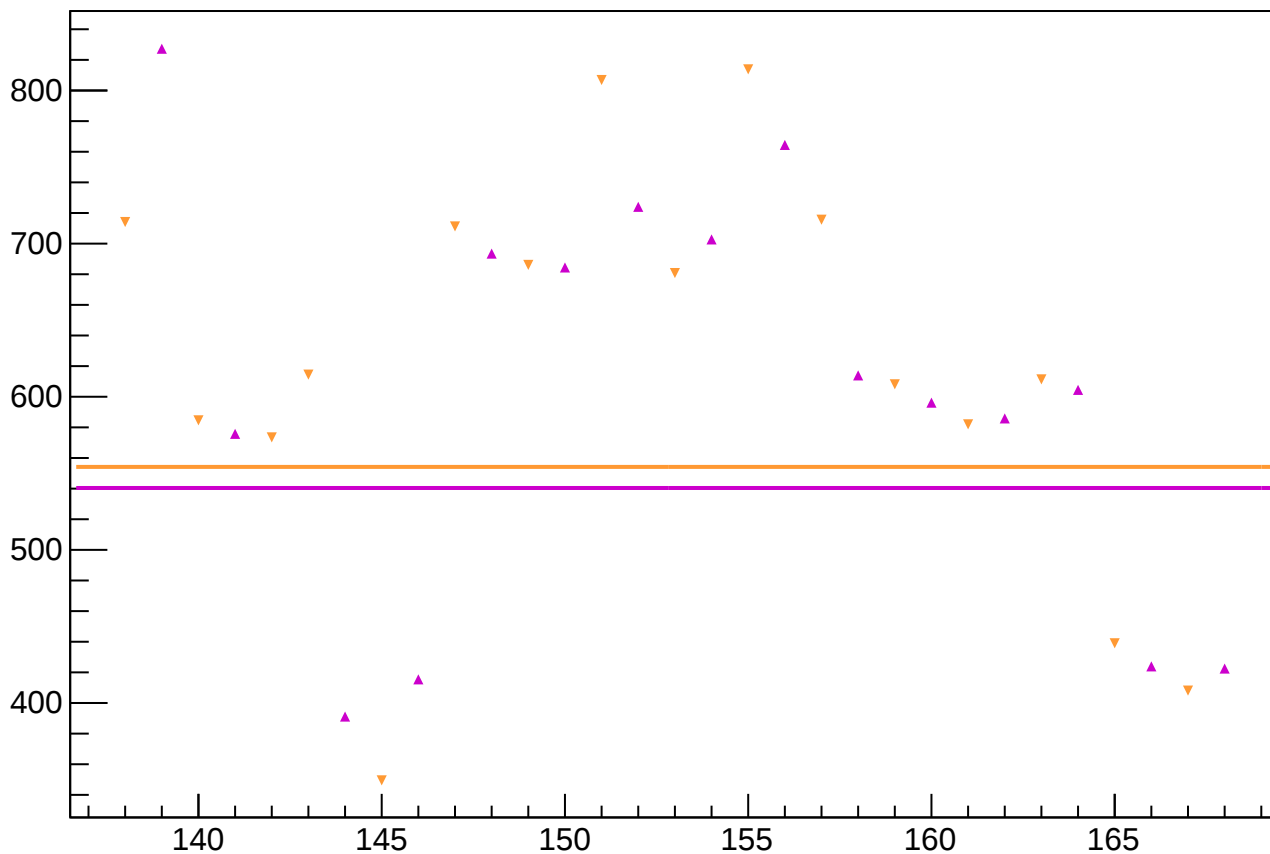
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -215.492+/-163.281 χ^2/NDF :15.7/14

Out: -924.915+/-166.448 χ^2/NDF :31.4/15

All: -563.390+/-116.561 χ^2/NDF : 56.4/30

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 554.185+/-0.118 χ^2/NDF :1495366.4/15

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

Left In: 540.415+/-0.115 χ^2/NDF :1313930.0/14

Left: 547.168+/-0.082 χ^2/NDF : 2816272.2/30

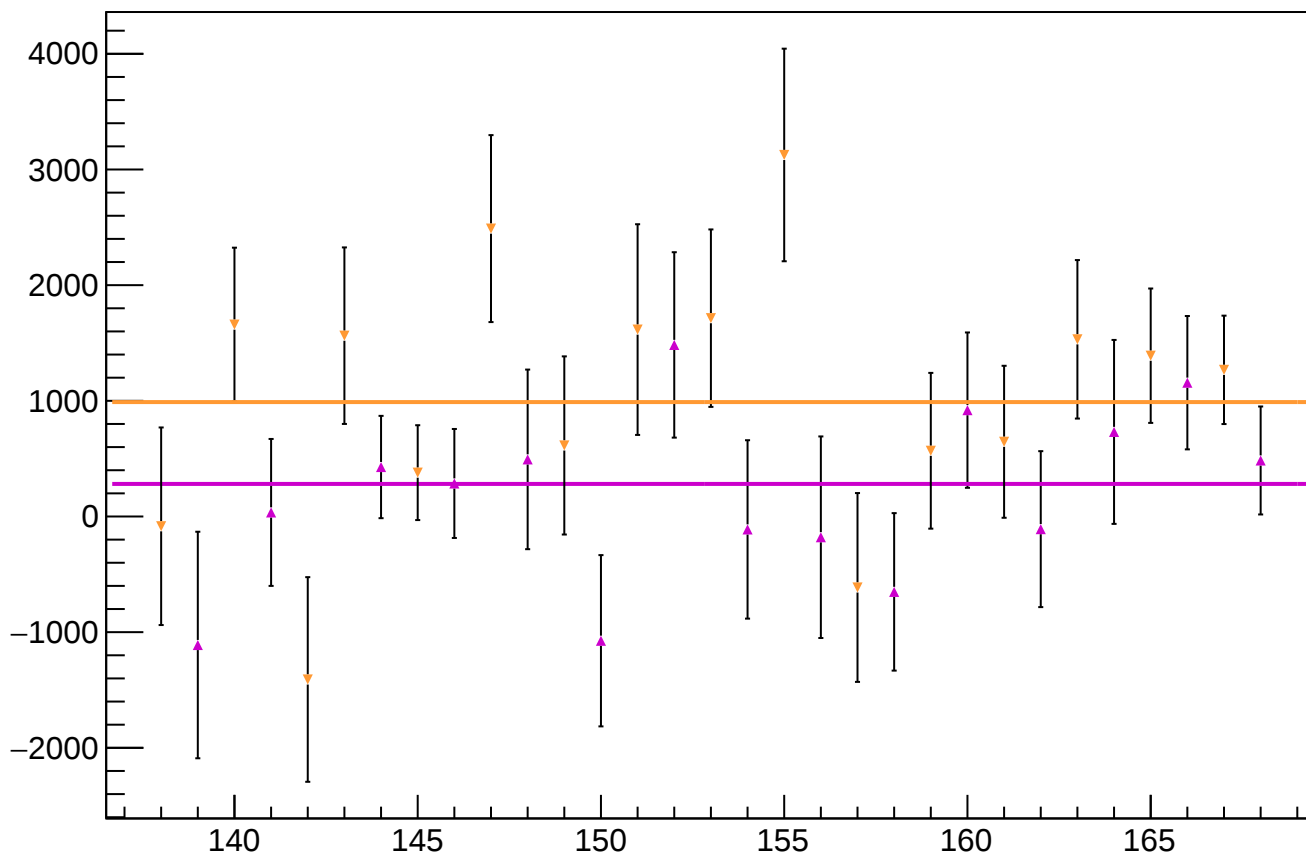
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 540.415+/-0.115 χ^2/NDF :1313930.0/14

Out: 554.185+/-0.118 χ^2/NDF :1495366.4/15

All: 547.168+/-0.082 χ^2/NDF : 2816272.2/30

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 989.203 $\pm$ 167.714 χ^2 /NDF:29.2/15

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

Left In: 281.548 $\pm$ 164.543 χ^2 /NDF:14.4/14

Left: 628.624 $\pm$ 117.455 χ^2 /NDF: 52.7/30

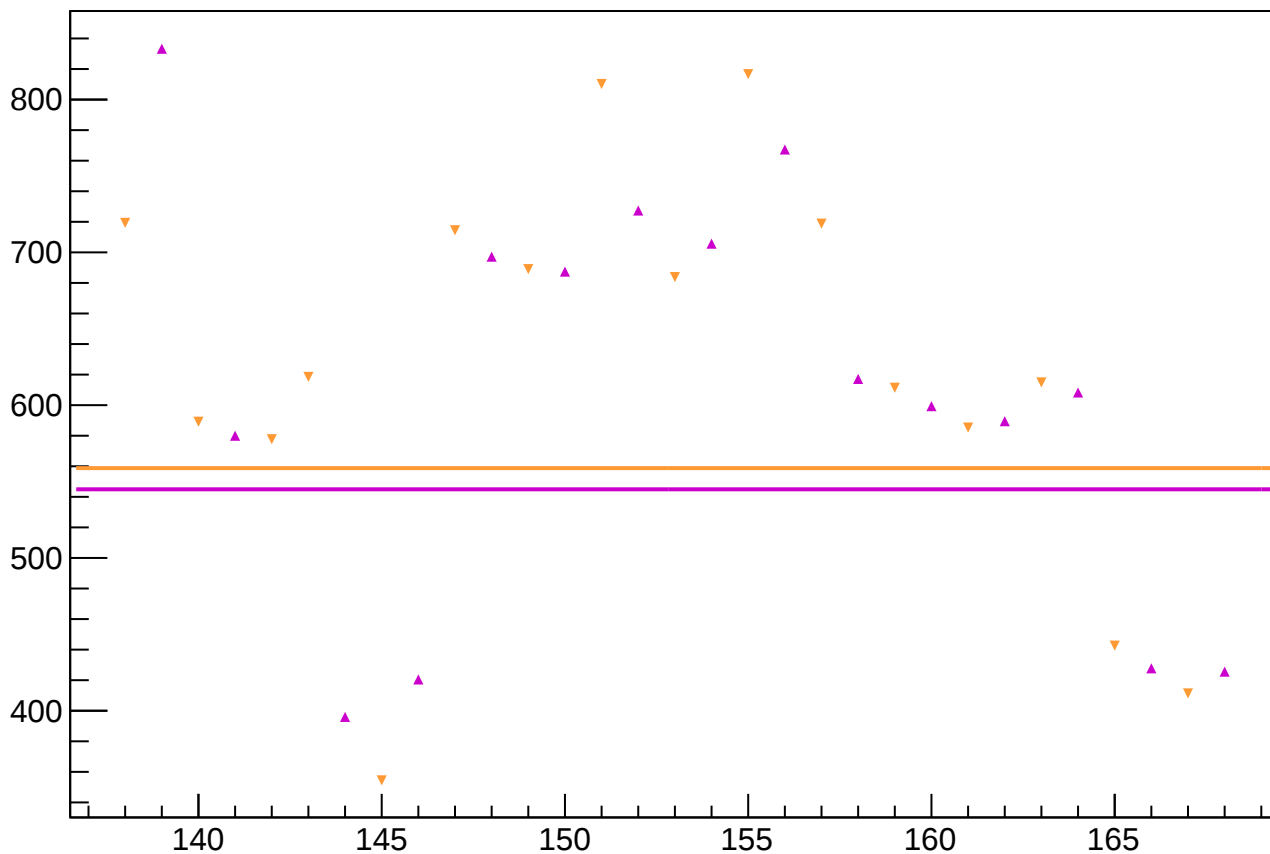
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 281.548 $\pm$ 164.543 χ^2 /NDF:14.4/14

Out: 989.203 $\pm$ 167.714 χ^2 /NDF:29.2/15

All: 628.624 $\pm$ 117.455 χ^2 /NDF: 52.7/30

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 558.798+/-0.119 χ^2/NDF :1462881.1/15

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

Left In: 544.927+/-0.116 χ^2/NDF :1288265.3/14

Left: 551.730+/-0.083 χ^2/NDF : 2758116.7/30

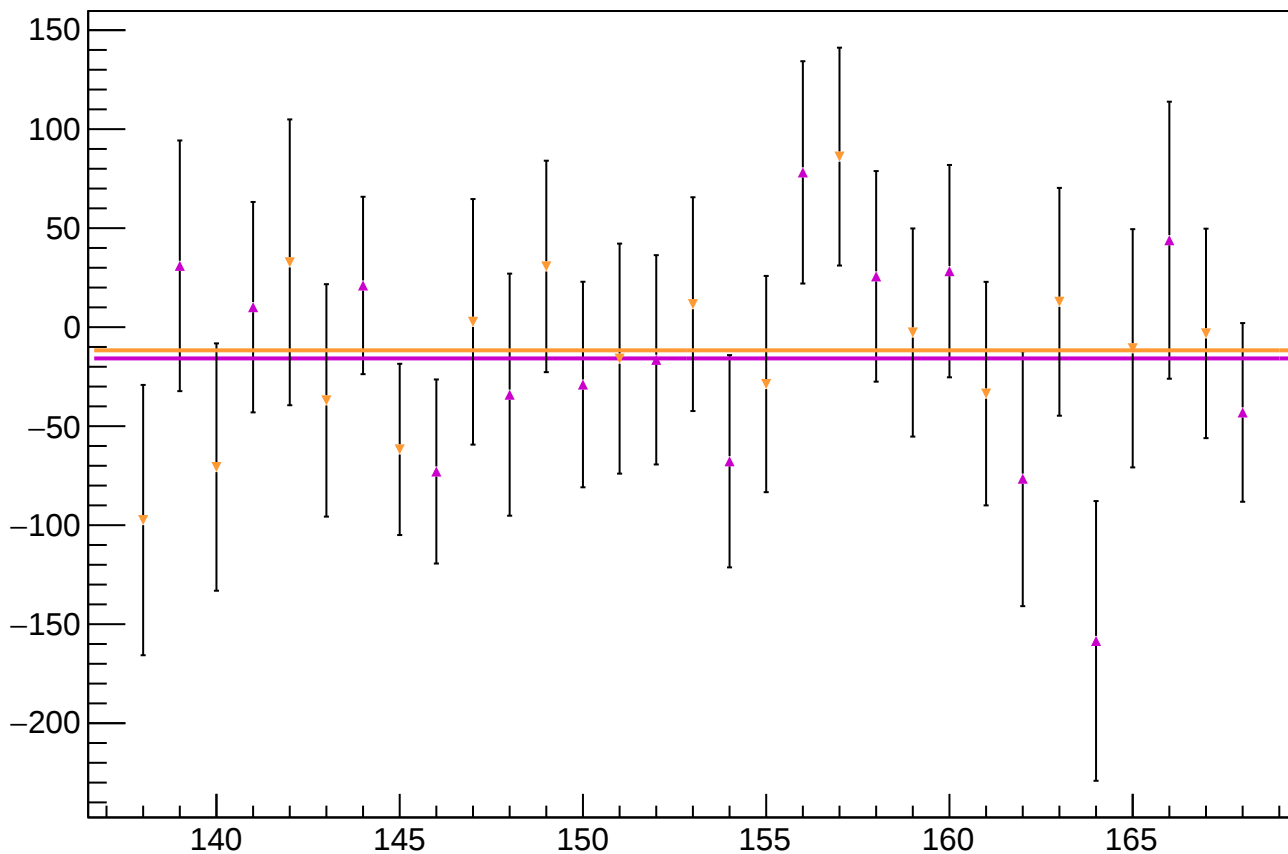
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 544.927+/-0.116 χ^2/NDF :1288265.3/14

Out: 558.798+/-0.119 χ^2/NDF :1462881.1/15

All: 551.730+/-0.083 χ^2/NDF : 2758116.7/30

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: -11.693+/-14.119 χ^2/NDF : 8.9/15

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

Left In: -15.785+/-14.049 χ^2/NDF : 14.2/14

Left: -13.749+/-9.959 χ^2/NDF : 23.1/30

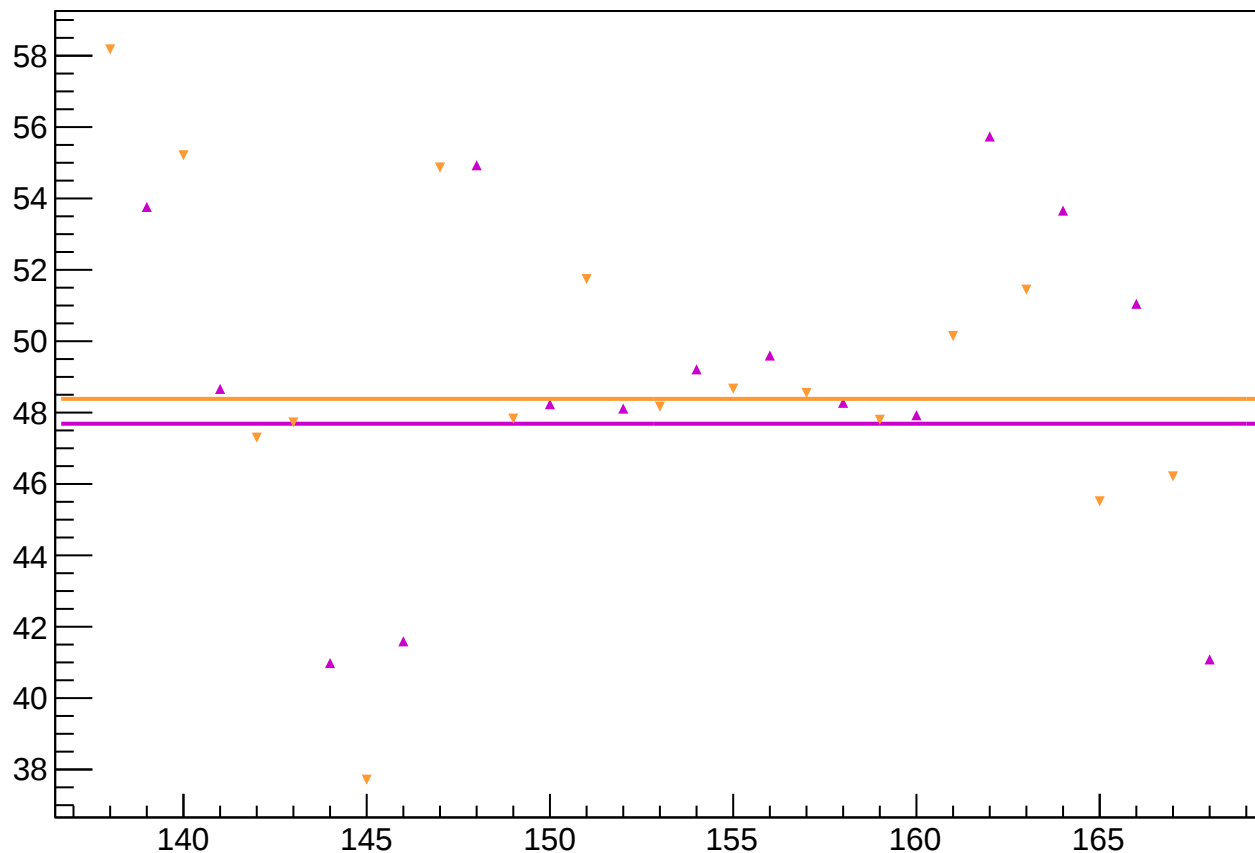
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.785+/-14.049 χ^2/NDF : 14.2/14

Out: -11.693+/-14.119 χ^2/NDF : 8.9/15

All: -13.749+/-9.959 χ^2/NDF : 23.1/30

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 48.385+/-0.010 χ^2/NDF :232200.0/15

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

Left In: 47.688+/-0.010 χ^2/NDF :223987.4/14

Left: 48.035+/-0.007 χ^2/NDF : 458635.0/30

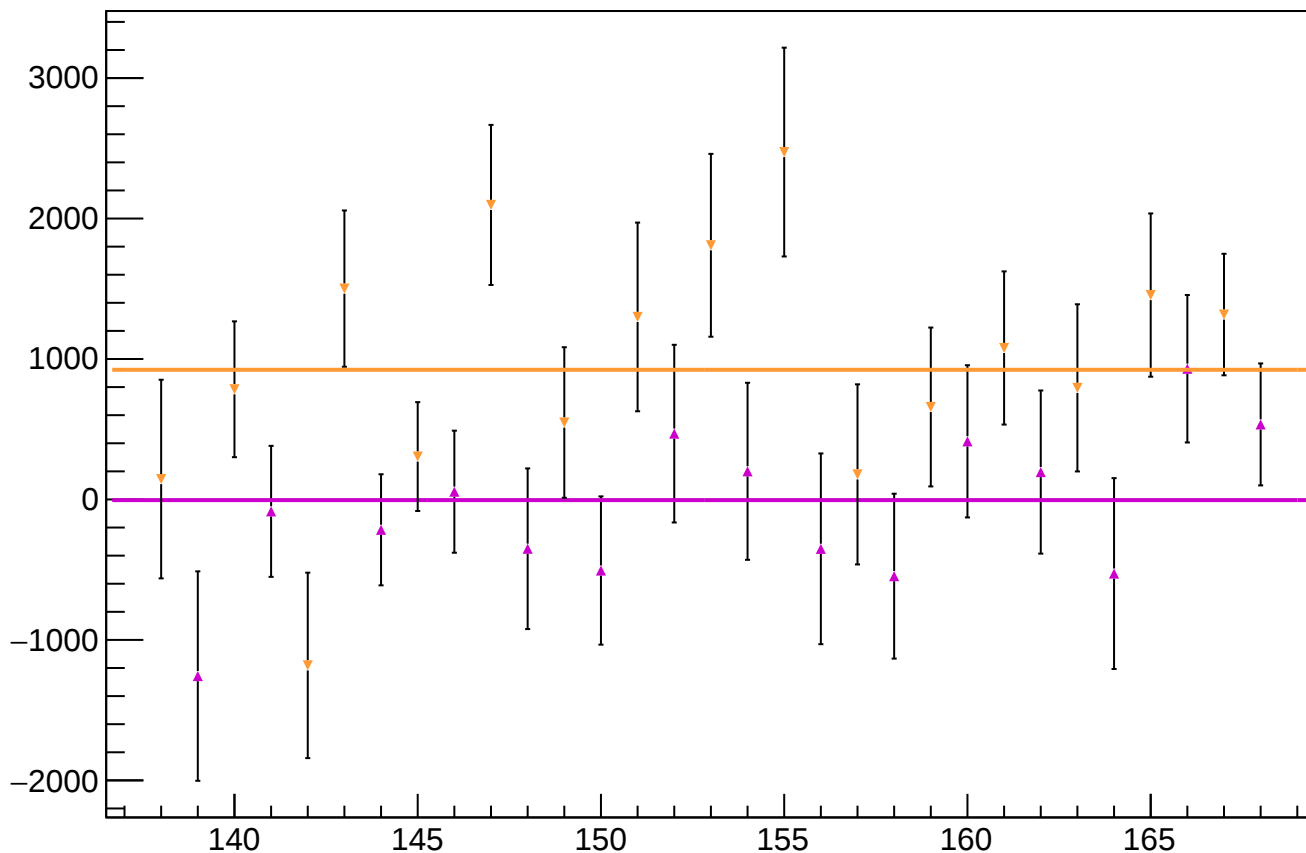
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.688+/-0.010 χ^2/NDF :223987.4/14

Out: 48.385+/-0.010 χ^2/NDF :232200.0/15

All: 48.035+/-0.007 χ^2/NDF : 458635.0/30

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: 923.333+/-139.400 χ^2/NDF :29.7/15

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

Left In: -4.676+/-138.286 χ^2/NDF :12.2/14

Left: 455.605+/-98.174 χ^2/NDF : 64.3/30

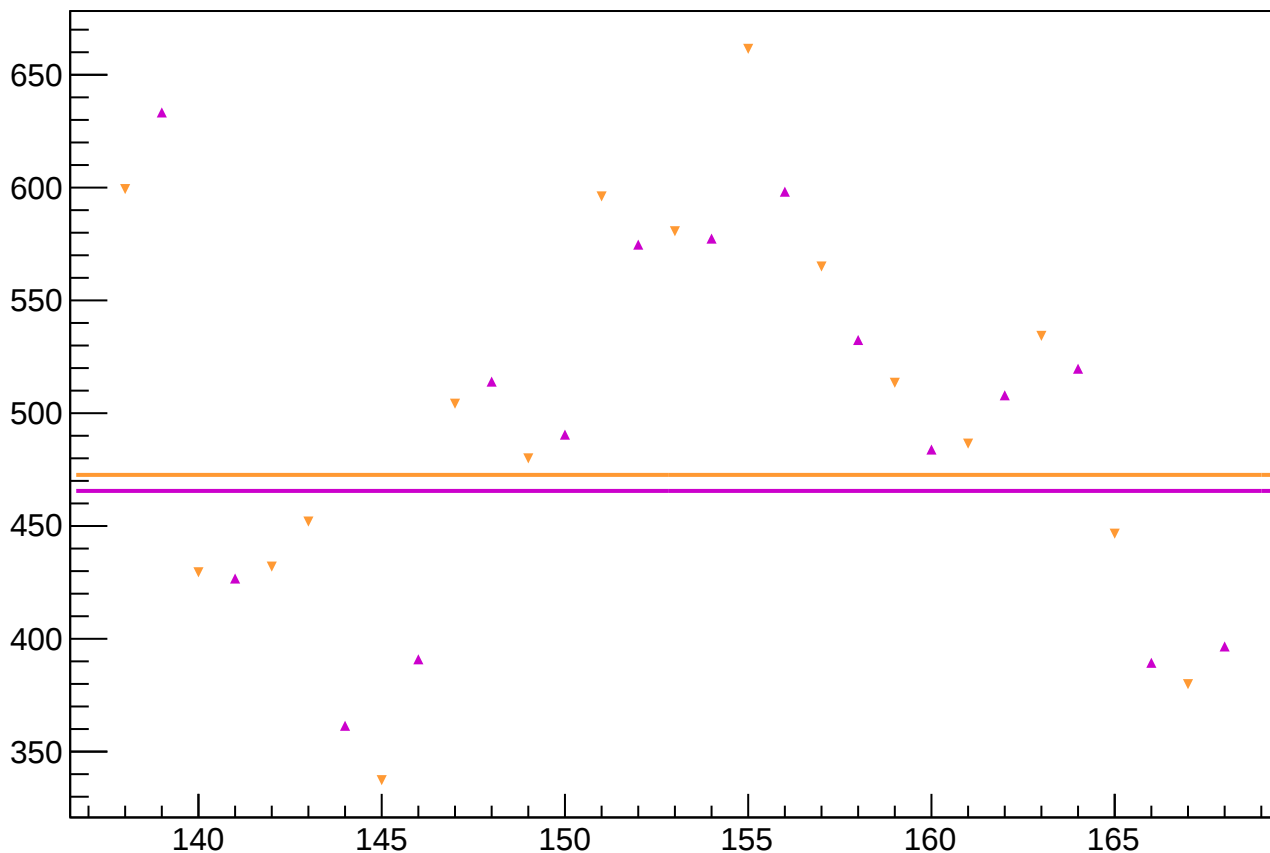
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -4.676+/-138.286 χ^2/NDF :12.2/14

Out: 923.333+/-139.400 χ^2/NDF :29.7/15

All: 455.605+/-98.174 χ^2/NDF : 64.3/30

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: 472.655+/-0.099 χ^2/NDF : 763300.6/15

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

Left In: 465.551+/-0.098 χ^2/NDF : 674588.3/14

Left: 469.074+/-0.069 χ^2/NDF : 1440506.7/30

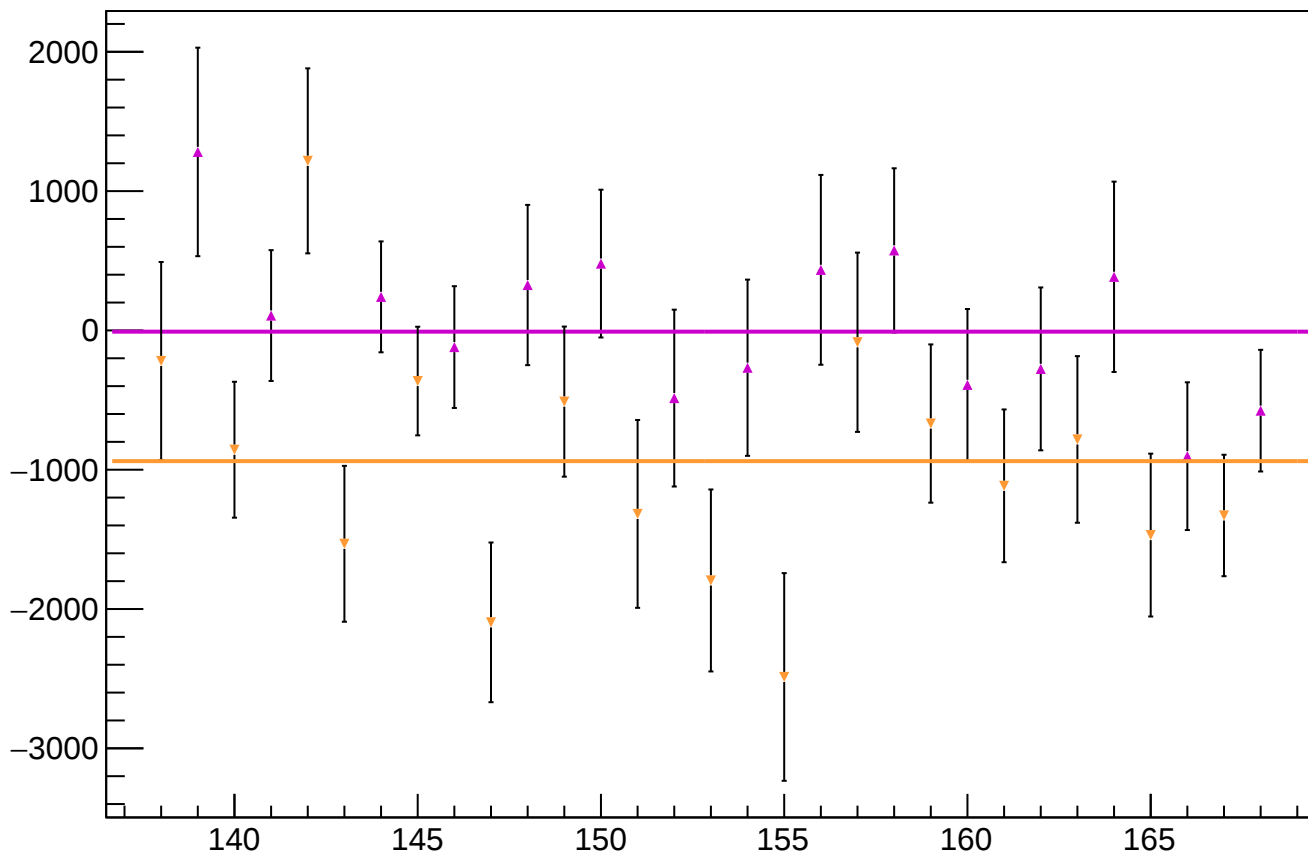
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 465.551+/-0.098 χ^2/NDF : 674588.3/14

Out: 472.655+/-0.099 χ^2/NDF : 763300.6/15

All: 469.074+/-0.069 χ^2/NDF : 1440506.7/30

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -938.378+/-140.195 χ^2/NDF :29.7/15

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

Left In: -8.990+/-139.075 χ^2/NDF :12.4/14

Left: -469.957+/-98.734 χ^2/NDF : 64.3/30

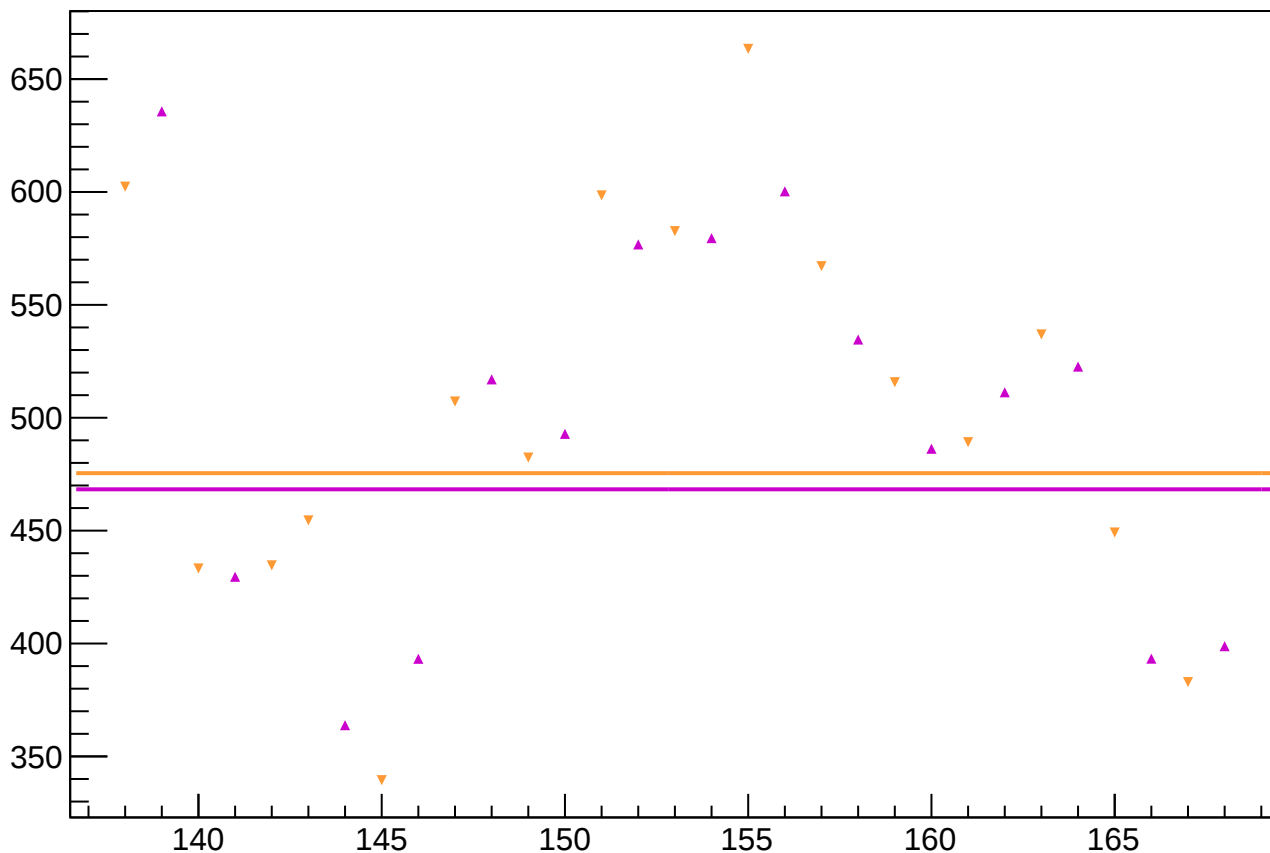
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.990+/-139.075 χ^2/NDF :12.4/14

Out: -938.378+/-140.195 χ^2/NDF :29.7/15

All: -469.957+/-98.734 χ^2/NDF : 64.3/30

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 475.462+/-0.099 χ^2/NDF : 753592.6/15

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

Left In: 468.303+/-0.098 χ^2/NDF : 666003.6/14

Left: 471.854+/-0.070 χ^2/NDF : 1422224.4/30

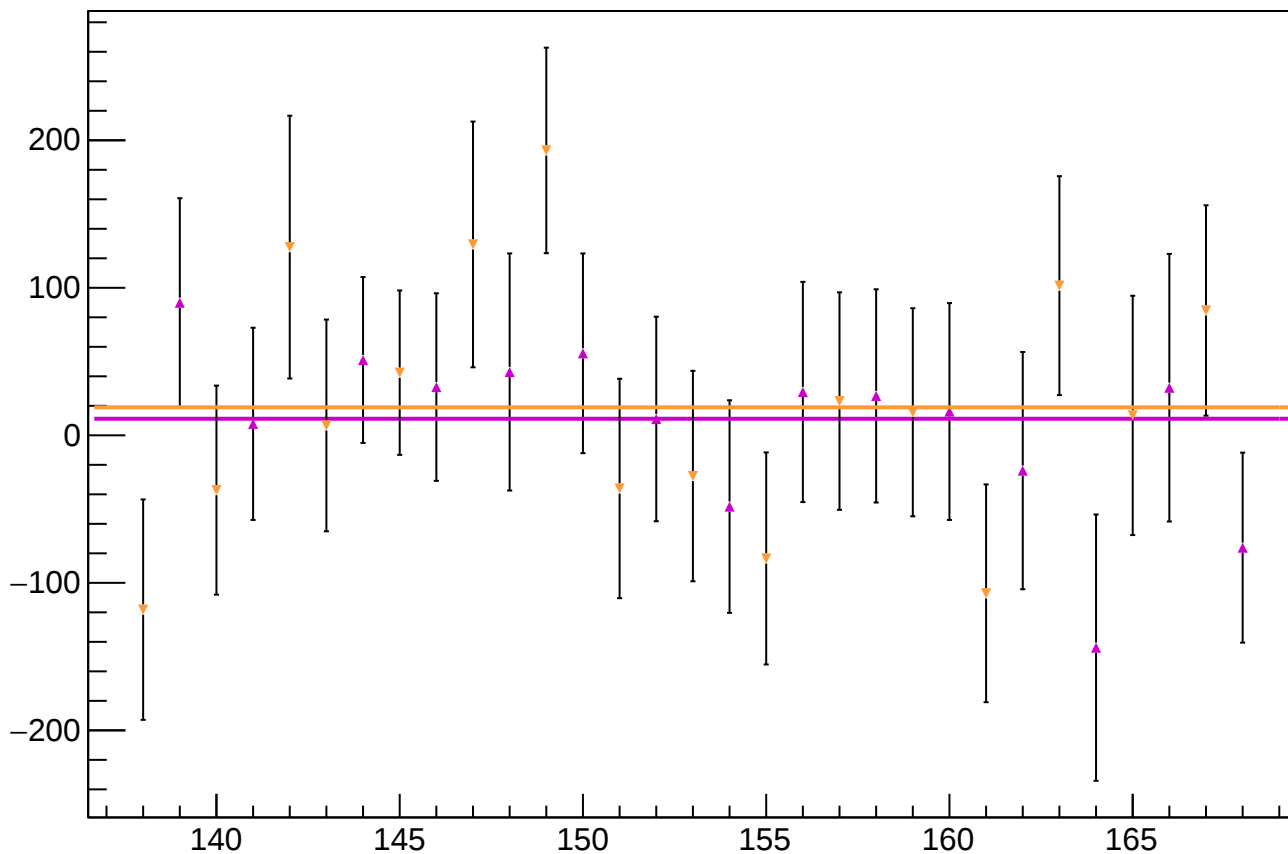
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 468.303+/-0.098 χ^2/NDF : 666003.6/14

Out: 475.462+/-0.099 χ^2/NDF : 753592.6/15

All: 471.854+/-0.070 χ^2/NDF : 1422224.4/30

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 18.984 $\pm$ 18.135 χ^2 /NDF:21.7/15

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

Left In: 11.232 $\pm$ 18.355 χ^2 /NDF:8.3/14

Left: 15.155 $\pm$ 12.900 χ^2 /NDF: 30.1/30

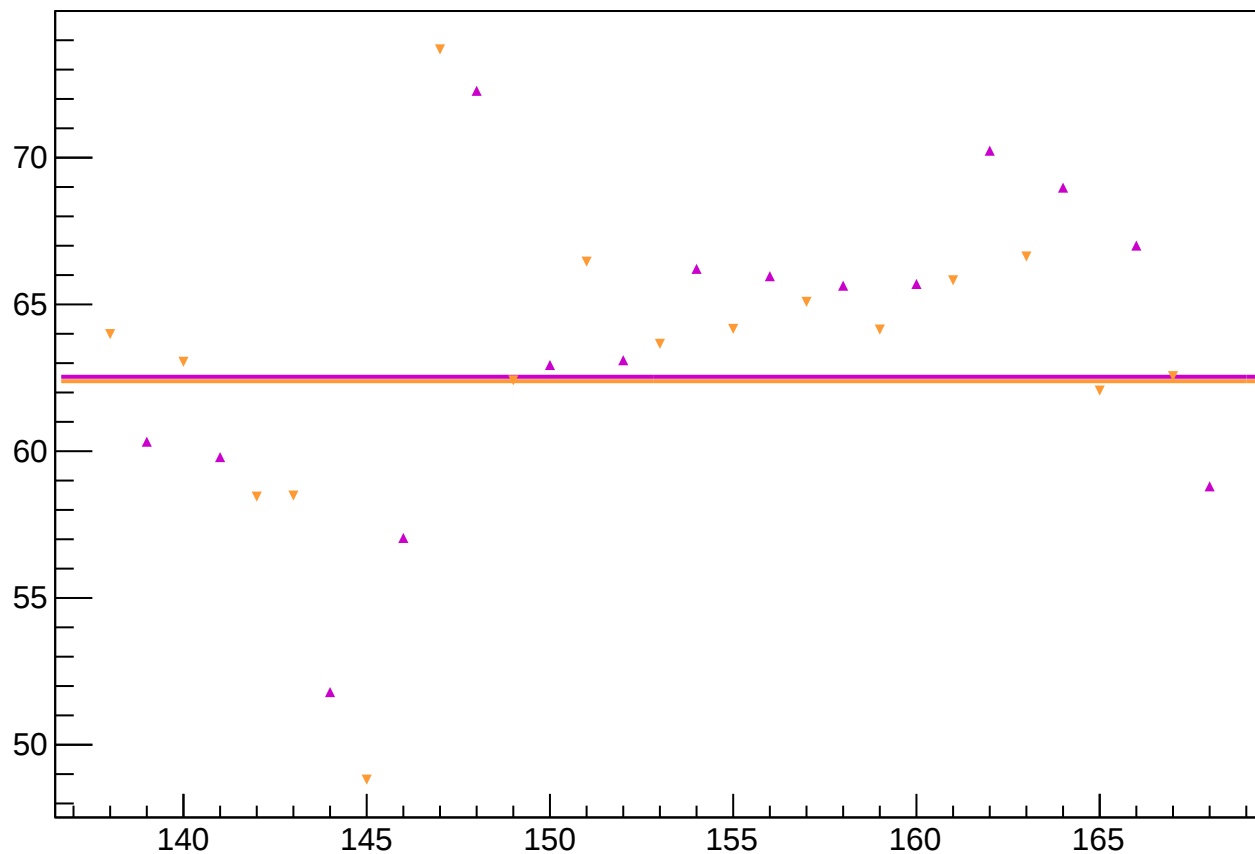
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 11.232 $\pm$ 18.355 χ^2 /NDF:8.3/14

Out: 18.984 $\pm$ 18.135 χ^2 /NDF:21.7/15

All: 15.155 $\pm$ 12.900 χ^2 /NDF: 30.1/30

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: 62.385+/-0.013 χ^2/NDF :189102.8/15

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

Left In: 62.536+/-0.013 χ^2/NDF :179874.1/14

Left: 62.459+/-0.009 χ^2/NDF : 369045.6/30

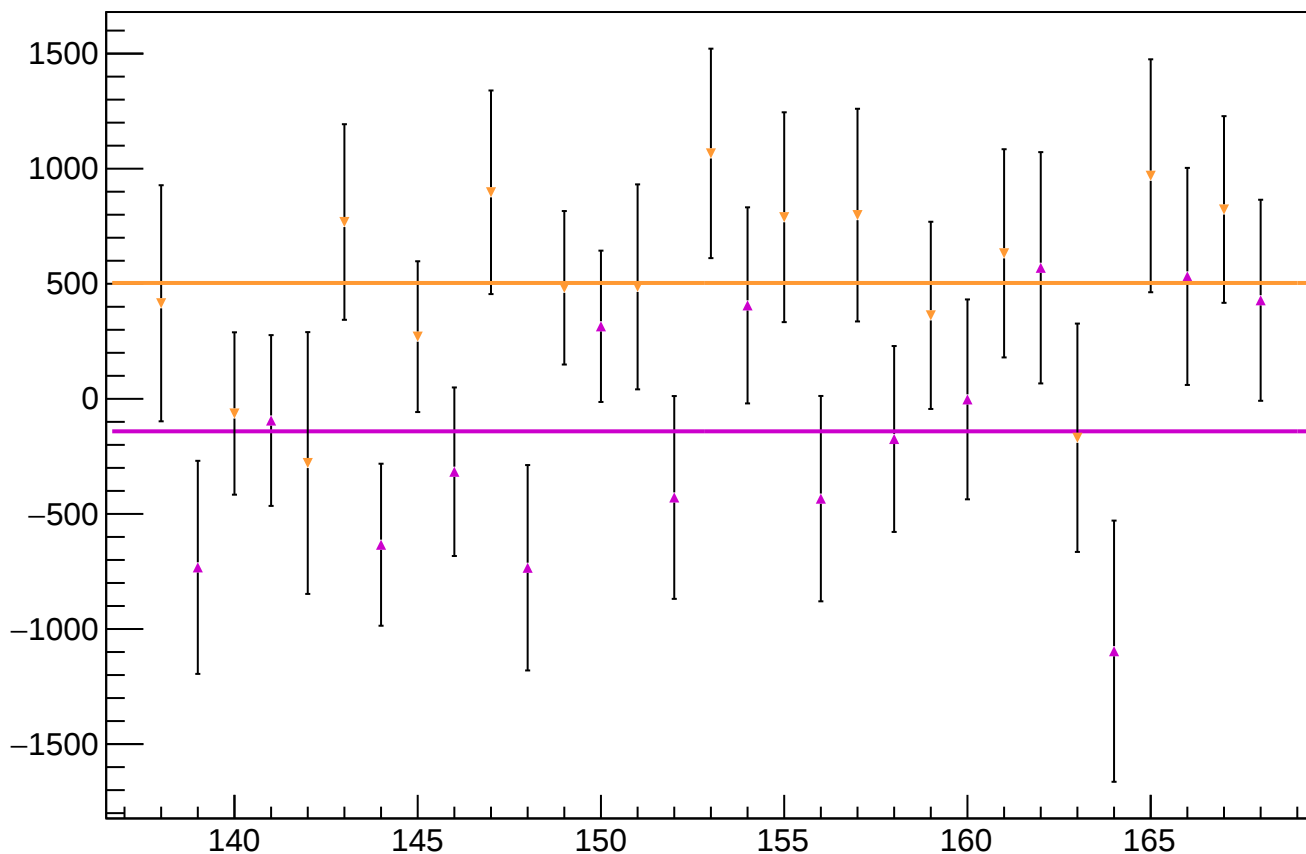
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.536+/-0.013 χ^2/NDF :179874.1/14

Out: 62.385+/-0.013 χ^2/NDF :189102.8/15

All: 62.459+/-0.009 χ^2/NDF : 369045.6/30

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: 503.489+/-106.453 χ^2/NDF :12.0/15

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

Left In: -141.131+/-108.044 χ^2/NDF :18.7/14

Left: 185.961+/-75.830 χ^2/NDF : 48.8/30

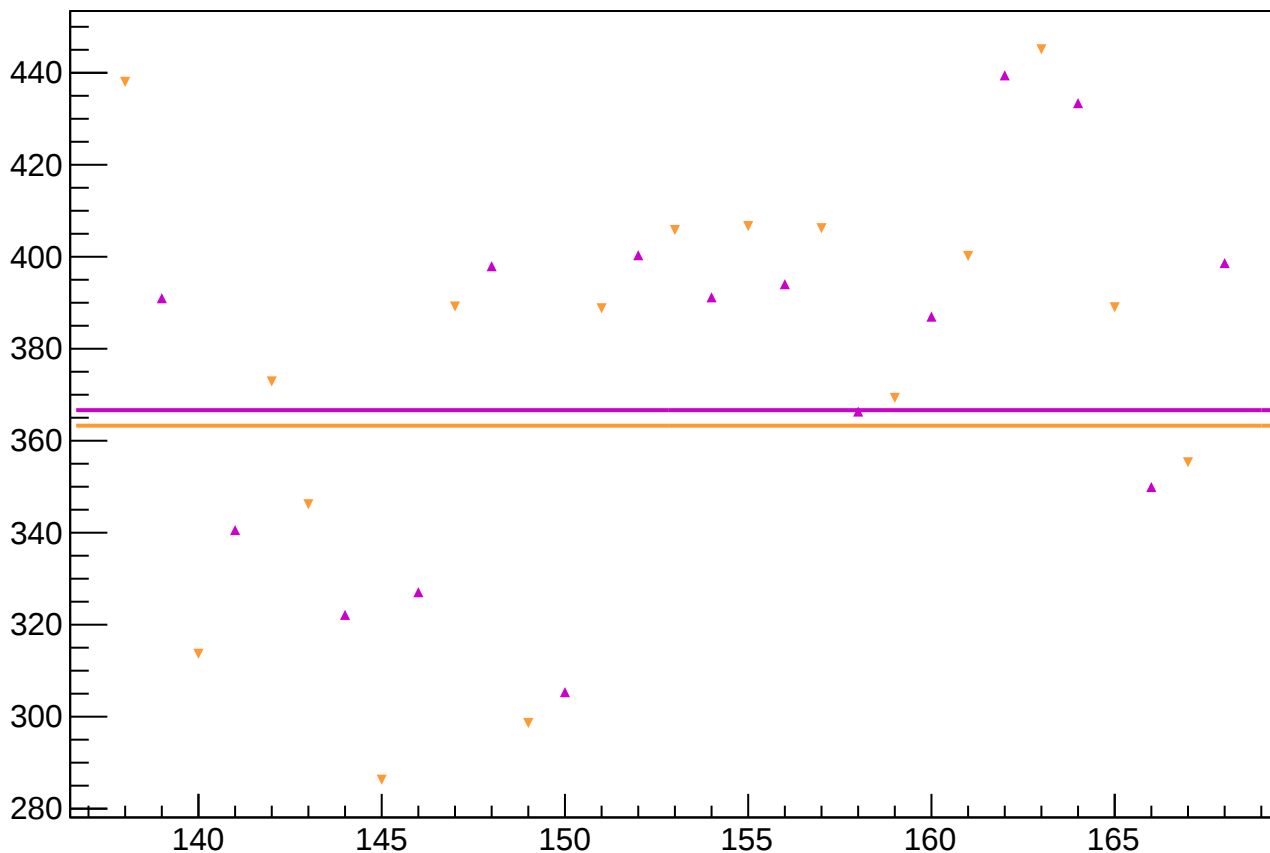
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -141.131+/-108.044 χ^2/NDF :18.7/14

Out: 503.489+/-106.453 χ^2/NDF :12.0/15

All: 185.961+/-75.830 χ^2/NDF : 48.8/30

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: 363.272+/-0.075 χ^2/NDF :411888.3/15

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

Left In: 366.646+/-0.076 χ^2/NDF :263335.0/14

Left: 364.934+/-0.054 χ^2/NDF : 676213.0/30

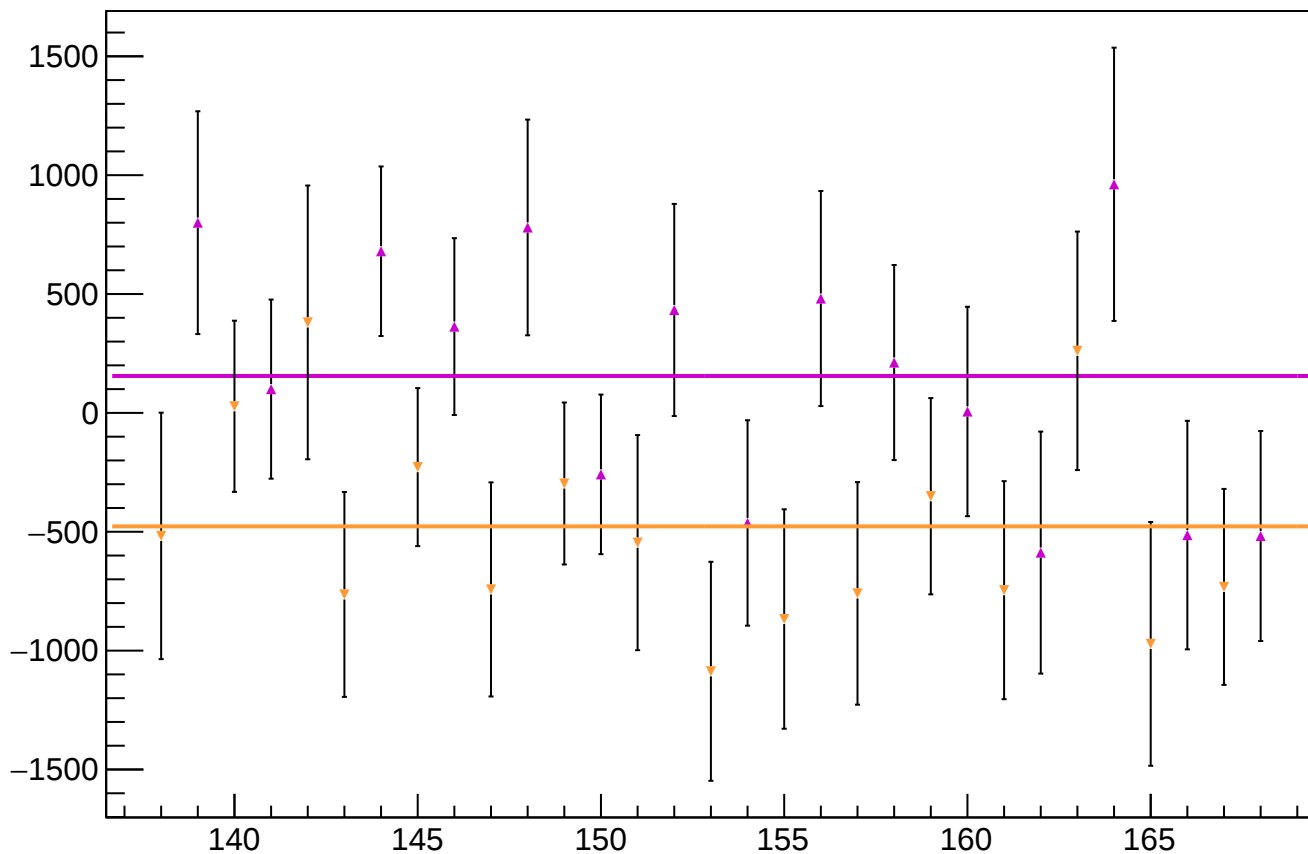
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 366.646+/-0.076 χ^2/NDF :263335.0/14

Out: 363.272+/-0.075 χ^2/NDF :411888.3/15

All: 364.934+/-0.054 χ^2/NDF : 676213.0/30

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -477.345+/-108.098 χ^2/NDF :12.6/15

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

Left In: 155.336+/-109.682 χ^2/NDF :19.3/14

Left: -165.606+/-76.991 χ^2/NDF : 48.7/30

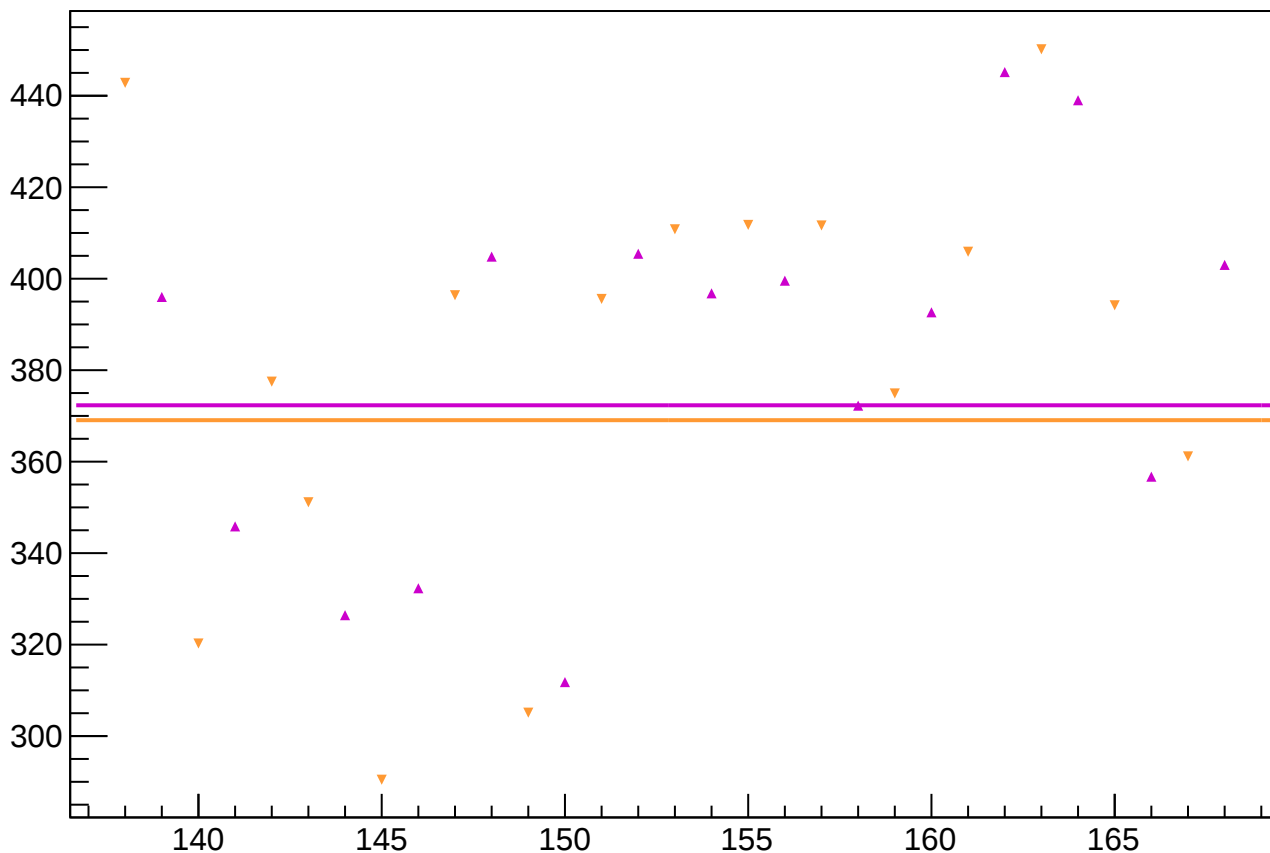
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 155.336+/-109.682 χ^2/NDF :19.3/14

Out: -477.345+/-108.098 χ^2/NDF :12.6/15

All: -165.606+/-76.991 χ^2/NDF : 48.7/30

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000±/0.000 χ^2/NDF : 0.0/0

Left Out: 369.067±/0.076 χ^2/NDF :398913.1/15

Right Out: 0.000±/0.000 χ^2/NDF : 0.0/0

Left In: 372.324±/0.078 χ^2/NDF :255171.5/14

Left: 370.672±/0.054 χ^2/NDF : 654979.1/30

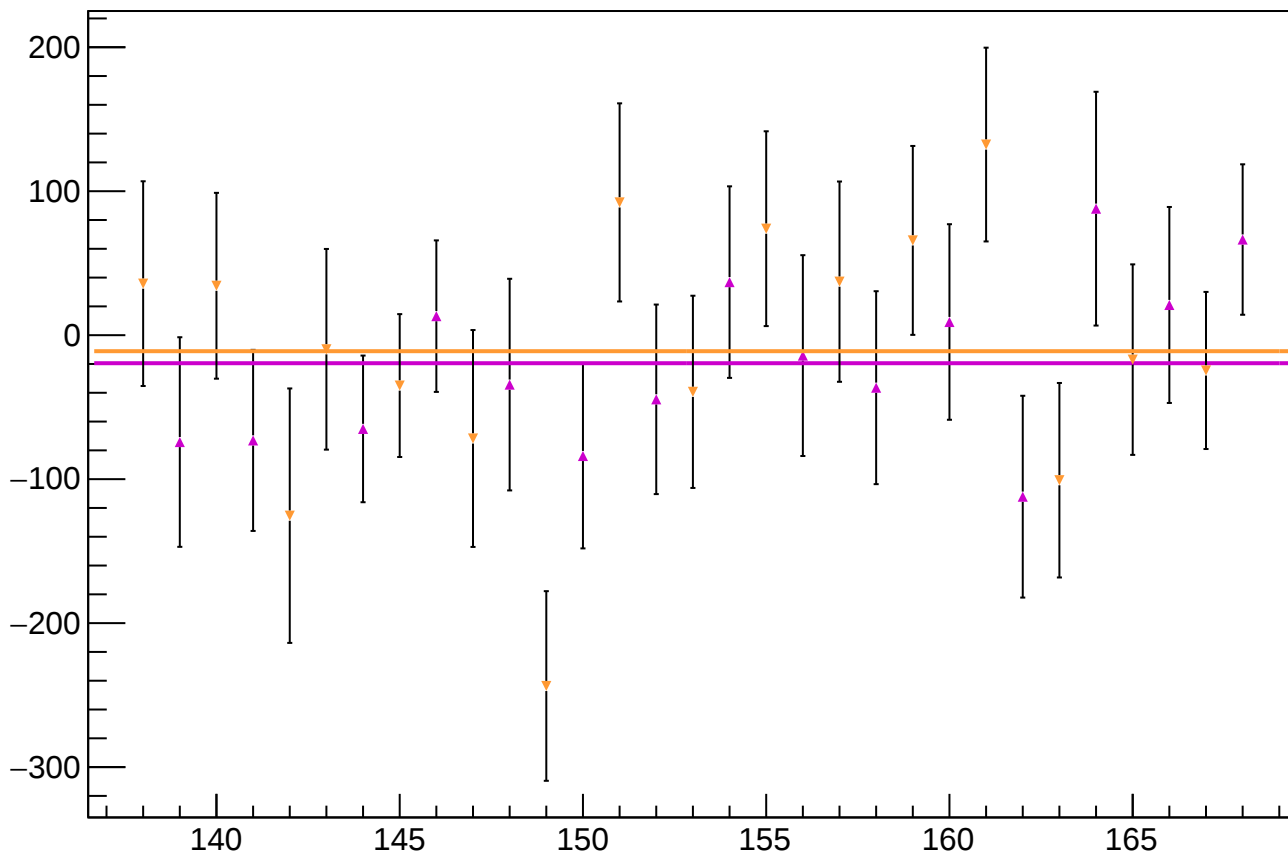
Right: 0.000±/0.000 χ^2/NDF : 0.0/0

In: 372.324±/0.078 χ^2/NDF :255171.5/14

Out: 369.067±/0.076 χ^2/NDF :398913.1/15

All: 370.672±/0.054 χ^2/NDF : 654979.1/30

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -11.120 $\pm$ 16.479 χ^2 /NDF:28.2/15

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

Left In: -19.469 $\pm$ 16.540 χ^2 /NDF:11.2/14

Left: -15.279 $\pm$ 11.674 χ^2 /NDF: 39.5/30

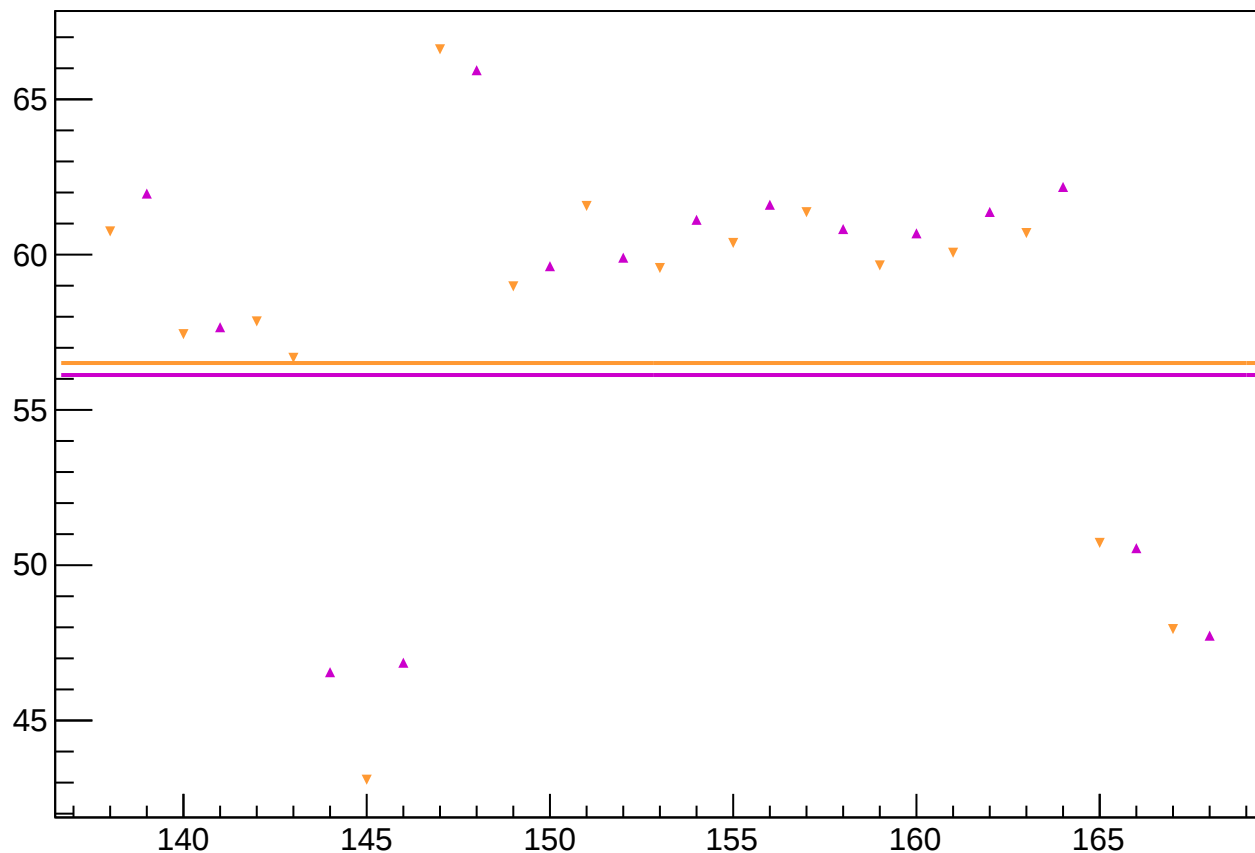
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -19.469 $\pm$ 16.540 χ^2 /NDF:11.2/14

Out: -11.120 $\pm$ 16.479 χ^2 /NDF:28.2/15

All: -15.279 $\pm$ 11.674 χ^2 /NDF: 39.5/30

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: 56.510+/-0.012 χ^2/NDF :306735.9/15

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

Left In: 56.124+/-0.012 χ^2/NDF :324752.1/14

Left: 56.318+/-0.008 χ^2/NDF : 632035.2/30

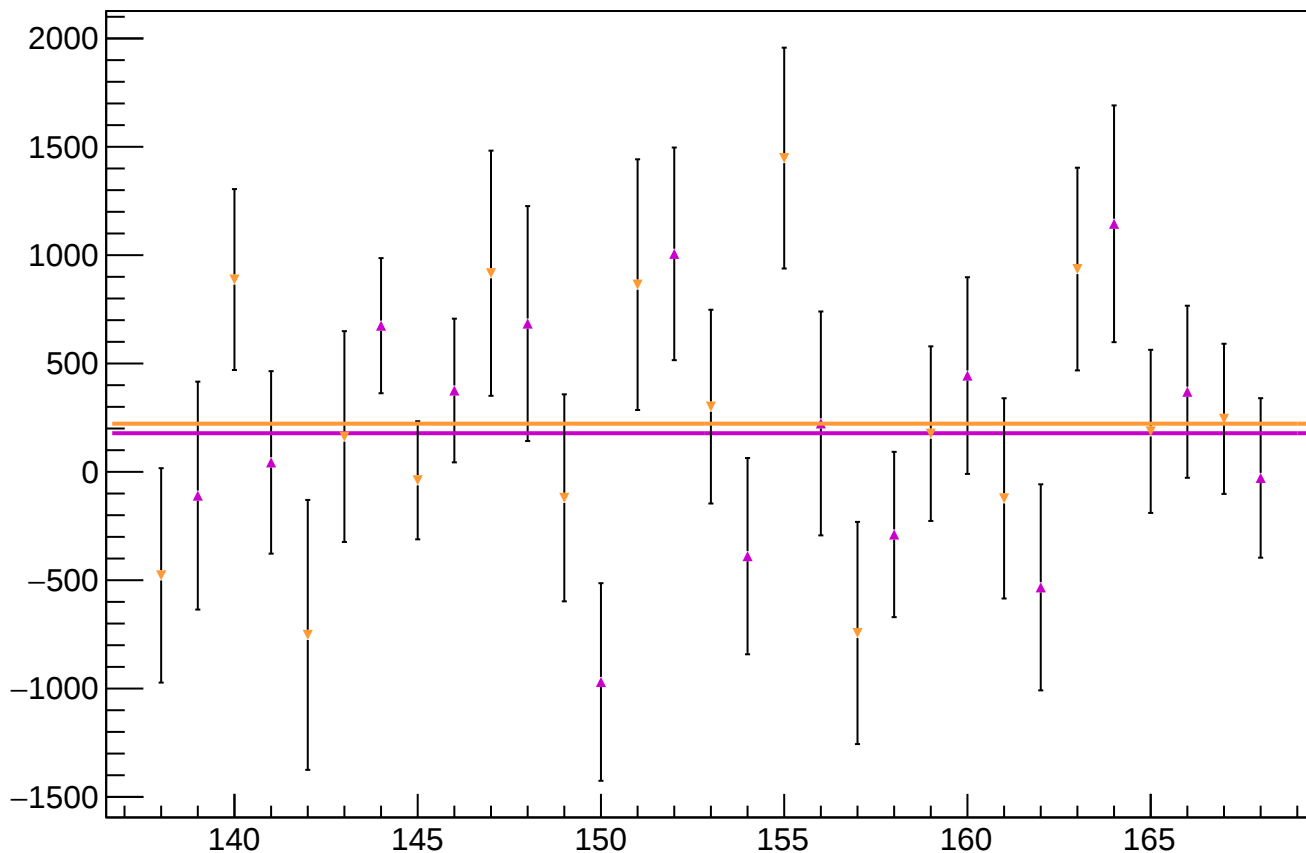
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 56.124+/-0.012 χ^2/NDF :324752.1/14

Out: 56.510+/-0.012 χ^2/NDF :306735.9/15

All: 56.318+/-0.008 χ^2/NDF : 632035.2/30

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 222.341+/-109.069 χ^2/NDF :23.4/15

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

Left In: 178.302+/-109.855 χ^2/NDF :22.7/14

Left: 200.479+/-77.400 χ^2/NDF : 46.2/30

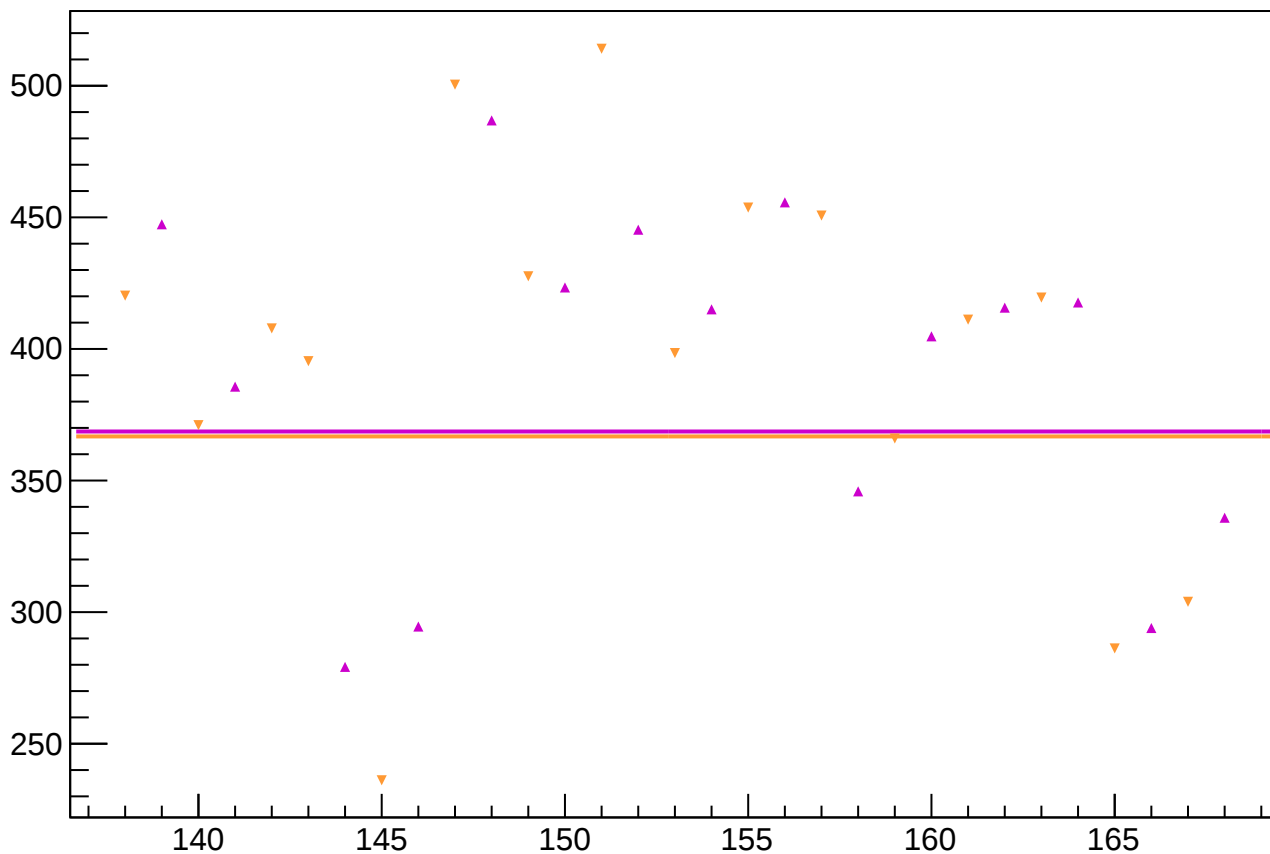
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 178.302+/-109.855 χ^2/NDF :22.7/14

Out: 222.341+/-109.069 χ^2/NDF :23.4/15

All: 200.479+/-77.400 χ^2/NDF : 46.2/30

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: 366.761+/-0.077 χ^2/NDF :1095947.7/15

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

Left In: 368.635+/-0.078 χ^2/NDF :705286.4/14

Left: 367.691+/-0.055 χ^2/NDF : 1801527.4/30

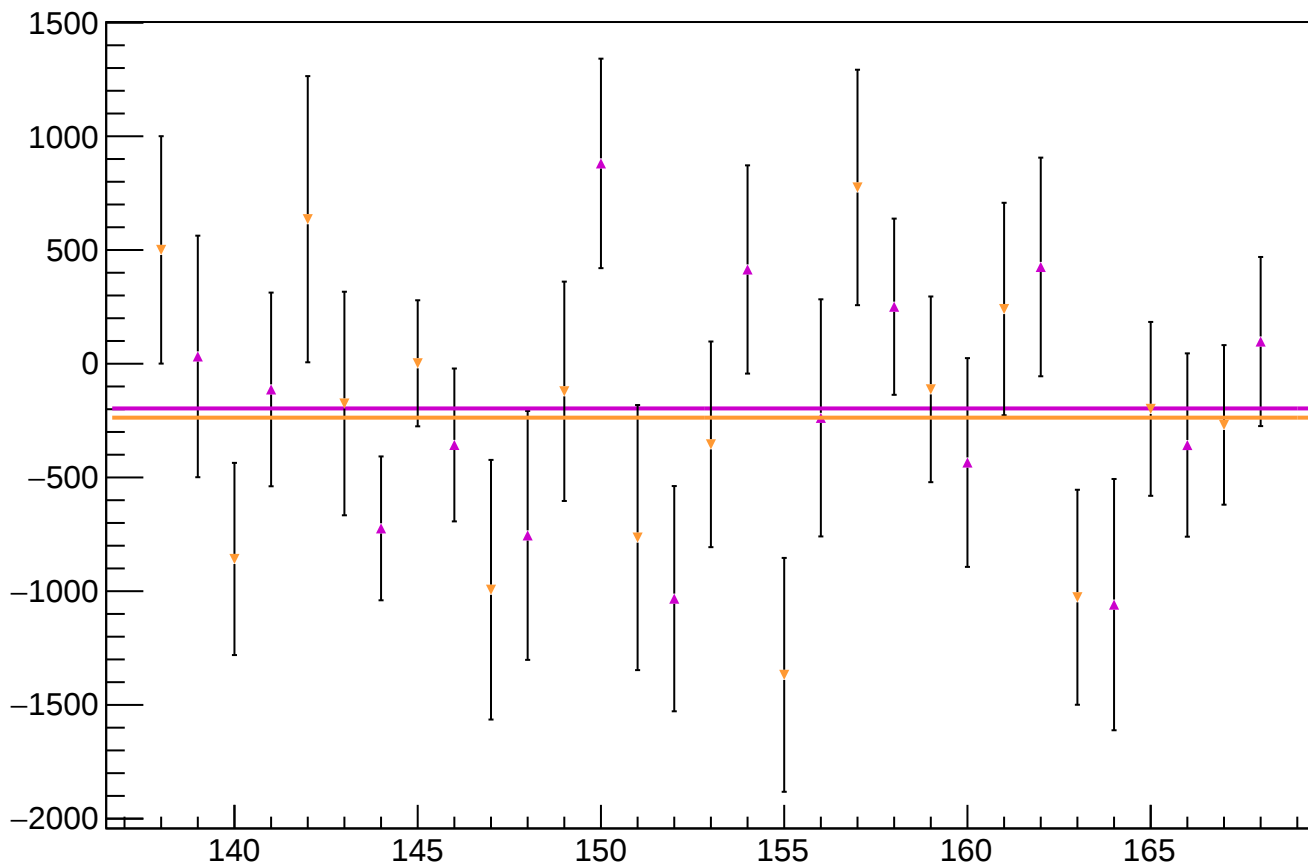
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 368.635+/-0.078 χ^2/NDF :705286.4/14

Out: 366.761+/-0.077 χ^2/NDF :1095947.7/15

All: 367.691+/-0.055 χ^2/NDF : 1801527.4/30

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -237.073 $\pm$ 110.394 χ^2 /NDF:22.3/15

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

Left In: -196.545 $\pm$ 111.165 χ^2 /NDF:20.9/14

Left: -216.950 $\pm$ 78.331 χ^2 /NDF: 43.3/30

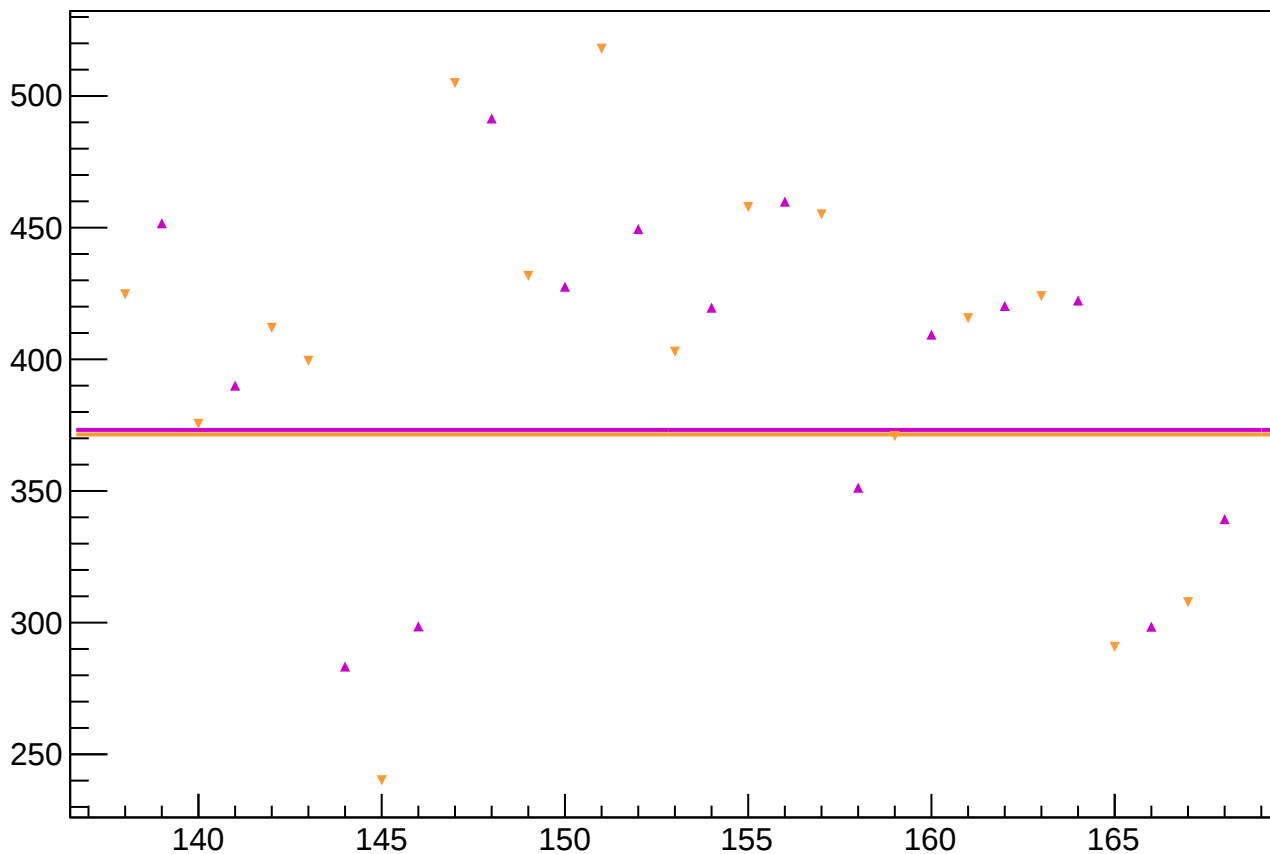
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -196.545 $\pm$ 111.165 χ^2 /NDF:20.9/14

Out: -237.073 $\pm$ 110.394 χ^2 /NDF:22.3/15

All: -216.950 $\pm$ 78.331 χ^2 /NDF: 43.3/30

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 371.467+/-0.078 χ^2/NDF :1069565.5/15

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

Left In: 373.193+/-0.079 χ^2/NDF :690835.5/14

Left: 372.324+/-0.055 χ^2/NDF : 1760643.8/30

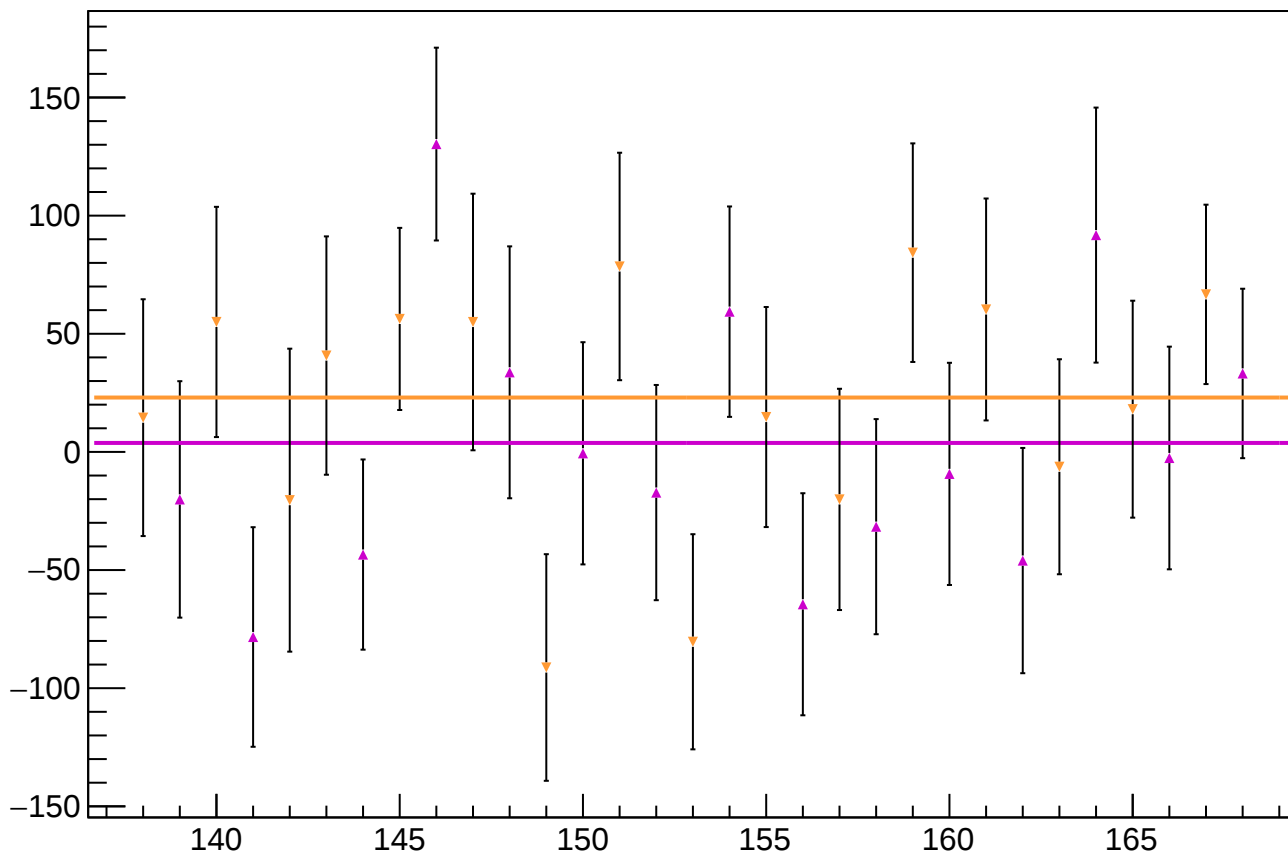
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 373.193+/-0.079 χ^2/NDF :690835.5/14

Out: 371.467+/-0.078 χ^2/NDF :1069565.5/15

All: 372.324+/-0.055 χ^2/NDF : 1760643.8/30

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 23.018 $\pm$ 11.699 χ^2 /NDF:19.3/15

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

Left In: 3.802 $\pm$ 11.728 χ^2 /NDF:23.7/14

Left: 13.434 $\pm$ 8.283 χ^2 /NDF: 44.3/30

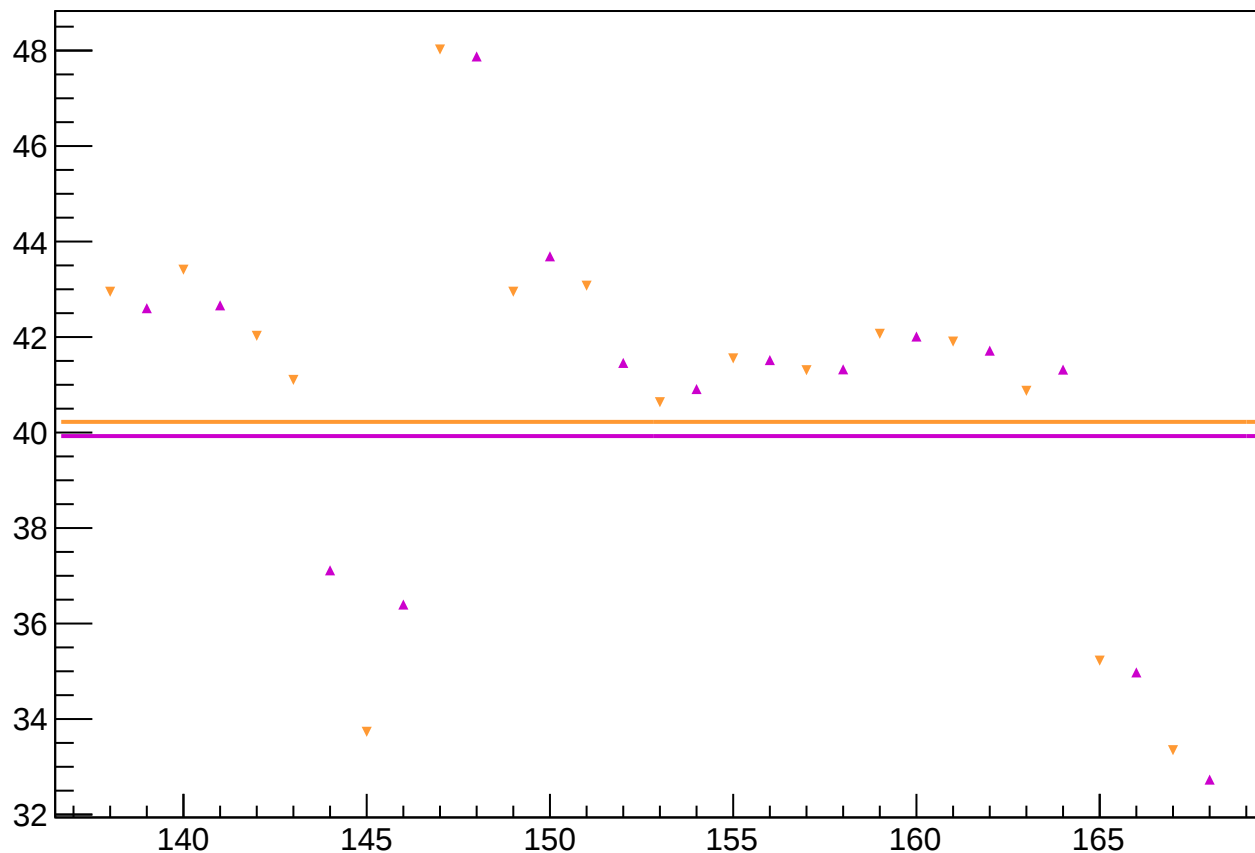
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 3.802 $\pm$ 11.728 χ^2 /NDF:23.7/14

Out: 23.018 $\pm$ 11.699 χ^2 /NDF:19.3/15

All: 13.434 $\pm$ 8.283 χ^2 /NDF: 44.3/30

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: 40.224+/-0.008 χ^2/NDF :226492.3/15

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

Left In: 39.926+/-0.008 χ^2/NDF :212775.7/14

Left: 40.075+/-0.006 χ^2/NDF : 439913.6/30

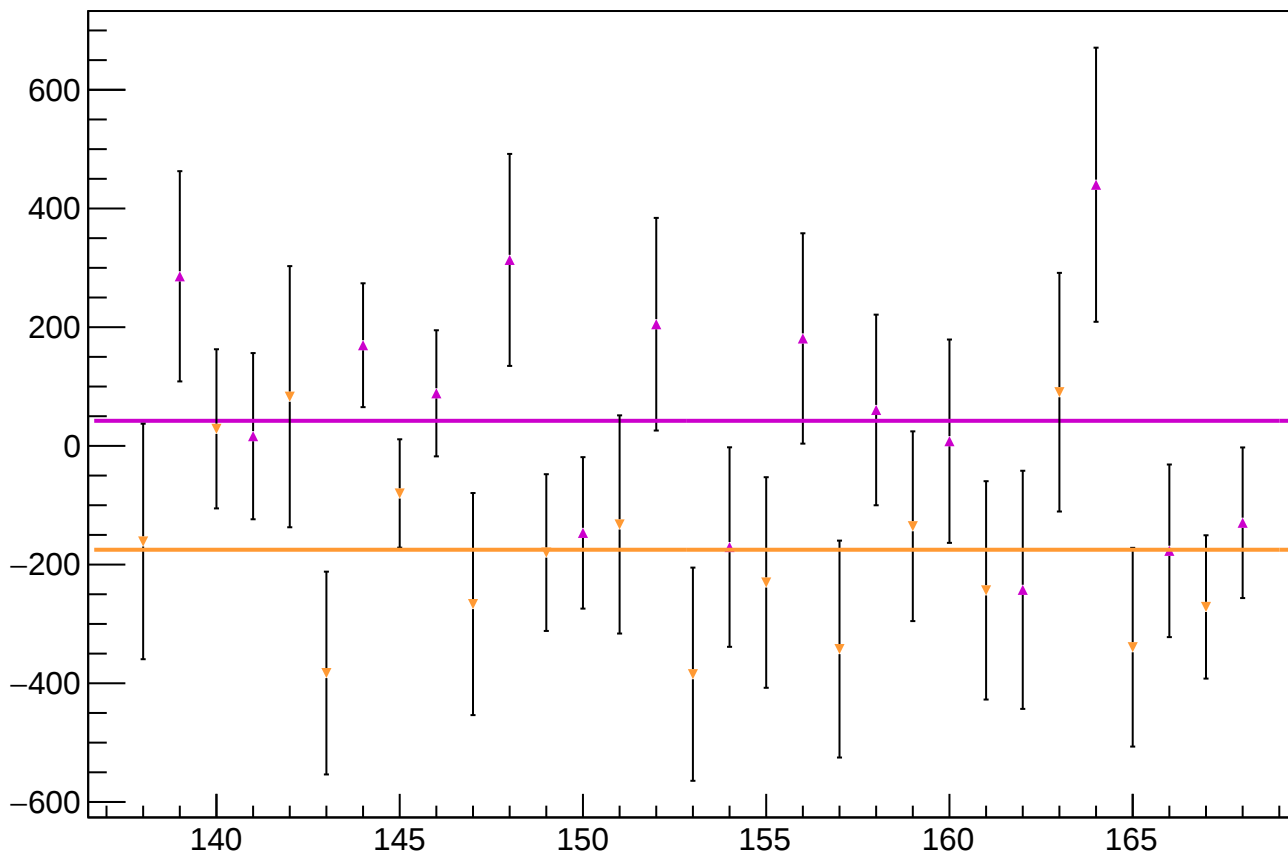
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 39.926+/-0.008 χ^2/NDF :212775.7/14

Out: 40.224+/-0.008 χ^2/NDF :226492.3/15

All: 40.075+/-0.006 χ^2/NDF : 439913.6/30

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: -174.989+/-38.872 χ^2/NDF :12.4/15

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

Left In: 42.262+/-38.340 χ^2/NDF :20.3/14

Left: -64.869+/-27.297 χ^2/NDF : 48.5/30

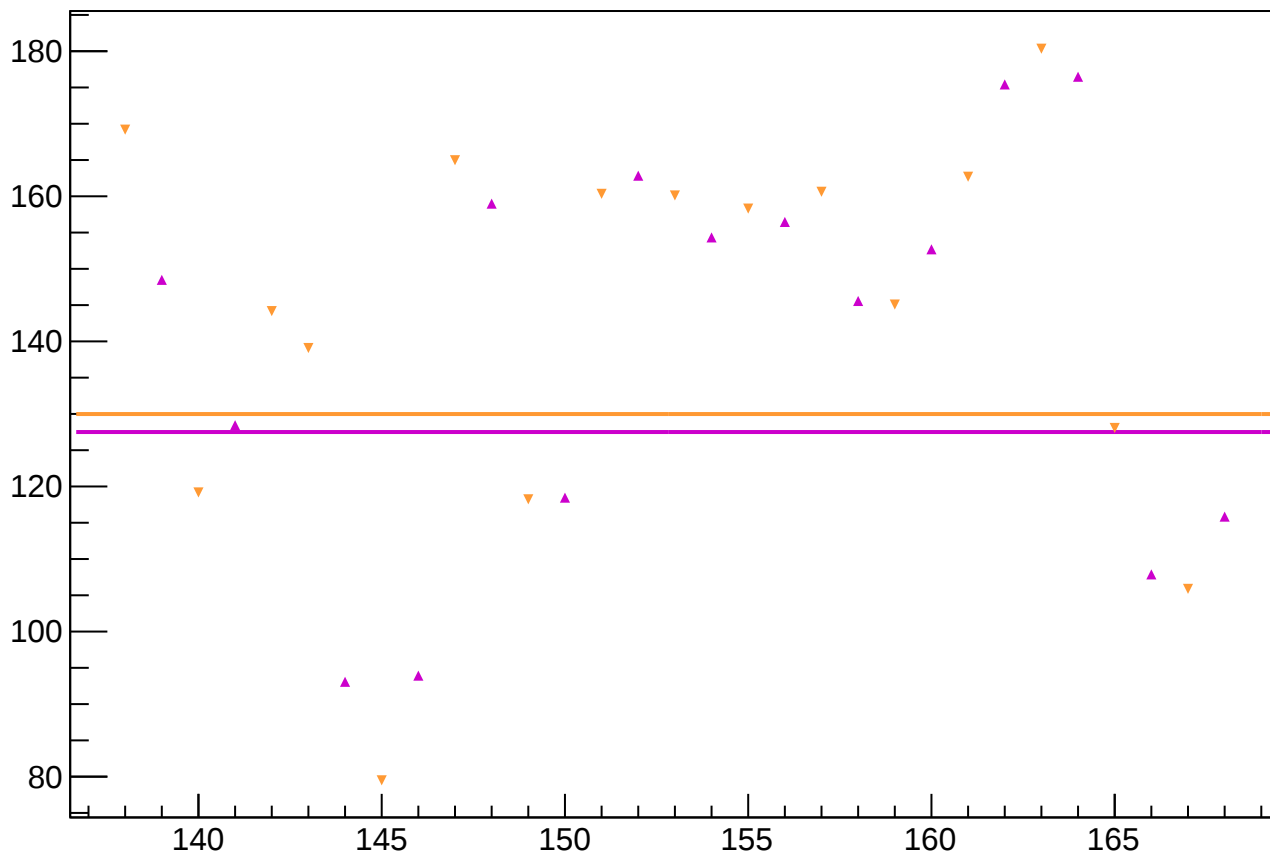
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 42.262+/-38.340 χ^2/NDF :20.3/14

Out: -174.989+/-38.872 χ^2/NDF :12.4/15

All: -64.869+/-27.297 χ^2/NDF : 48.5/30

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 129.984+/-0.027 χ^2/NDF :1307018.8/15

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

Left In: 127.504+/-0.027 χ^2/NDF :1025881.1/14

Left: 128.727+/-0.019 χ^2/NDF : 2337025.3/30

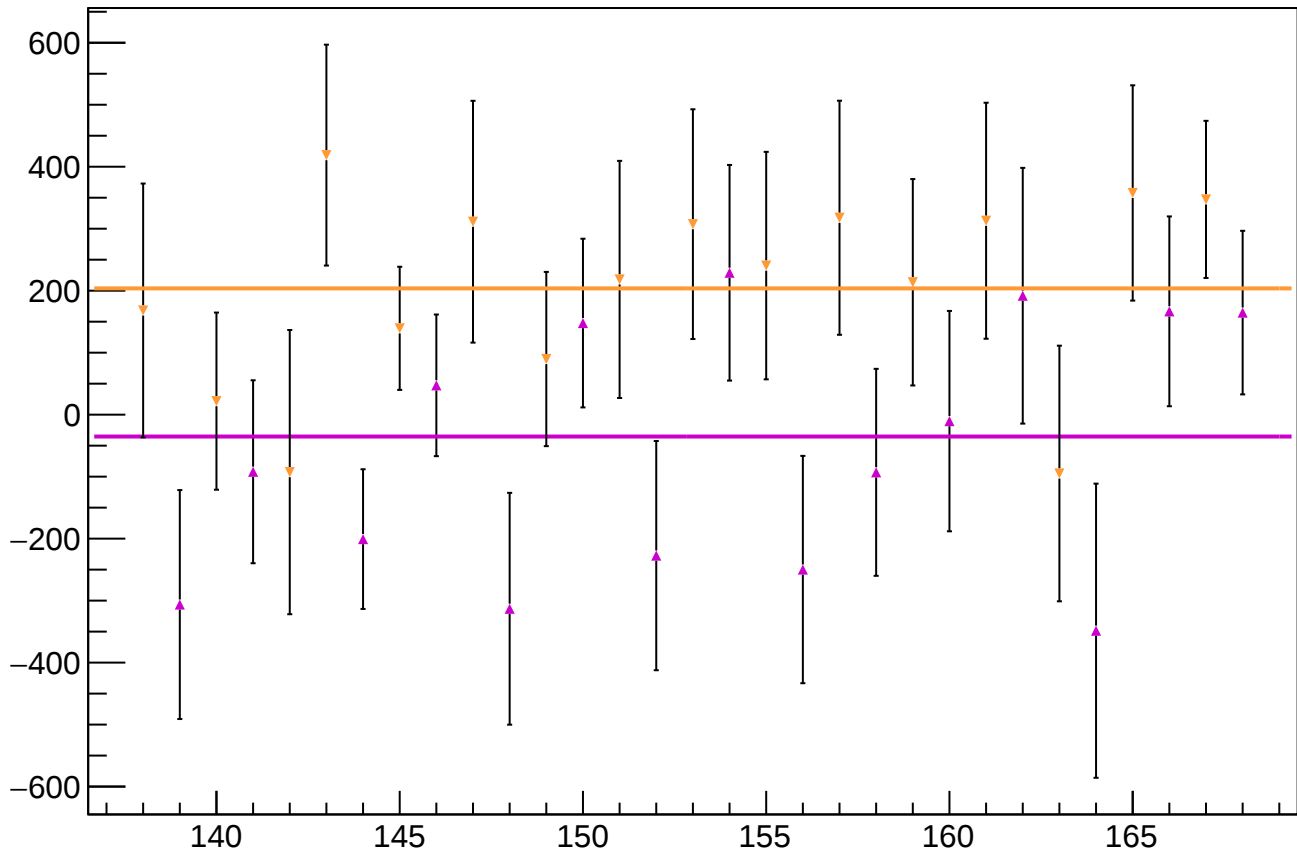
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 127.504+/-0.027 χ^2/NDF :1025881.1/14

Out: 129.984+/-0.027 χ^2/NDF :1307018.8/15

All: 128.727+/-0.019 χ^2/NDF : 2337025.3/30

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 203.703 $\pm$ 40.879 χ^2 /NDF:11.4/15

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

Left In: -35.277 $\pm$ 40.353 χ^2 /NDF:20.9/14

Left: 82.665 $\pm$ 28.718 χ^2 /NDF: 49.6/30

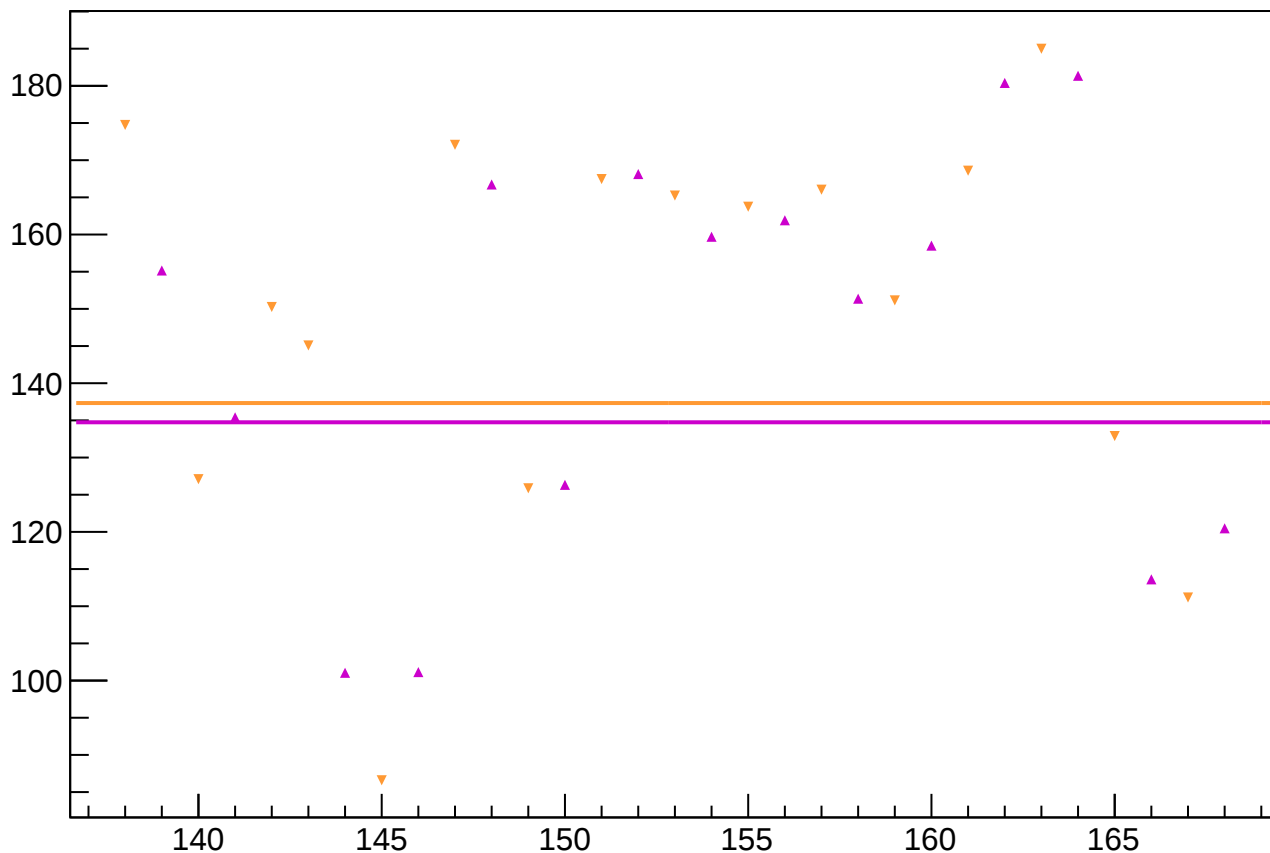
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -35.277 $\pm$ 40.353 χ^2 /NDF:20.9/14

Out: 203.703 $\pm$ 40.879 χ^2 /NDF:11.4/15

All: 82.665 $\pm$ 28.718 χ^2 /NDF: 49.6/30

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 137.333+/-0.029 χ^2/NDF :1129516.2/15

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

Left In: 134.744+/-0.029 χ^2/NDF :884990.4/14

Left: 136.021+/-0.020 χ^2/NDF : 2018568.6/30

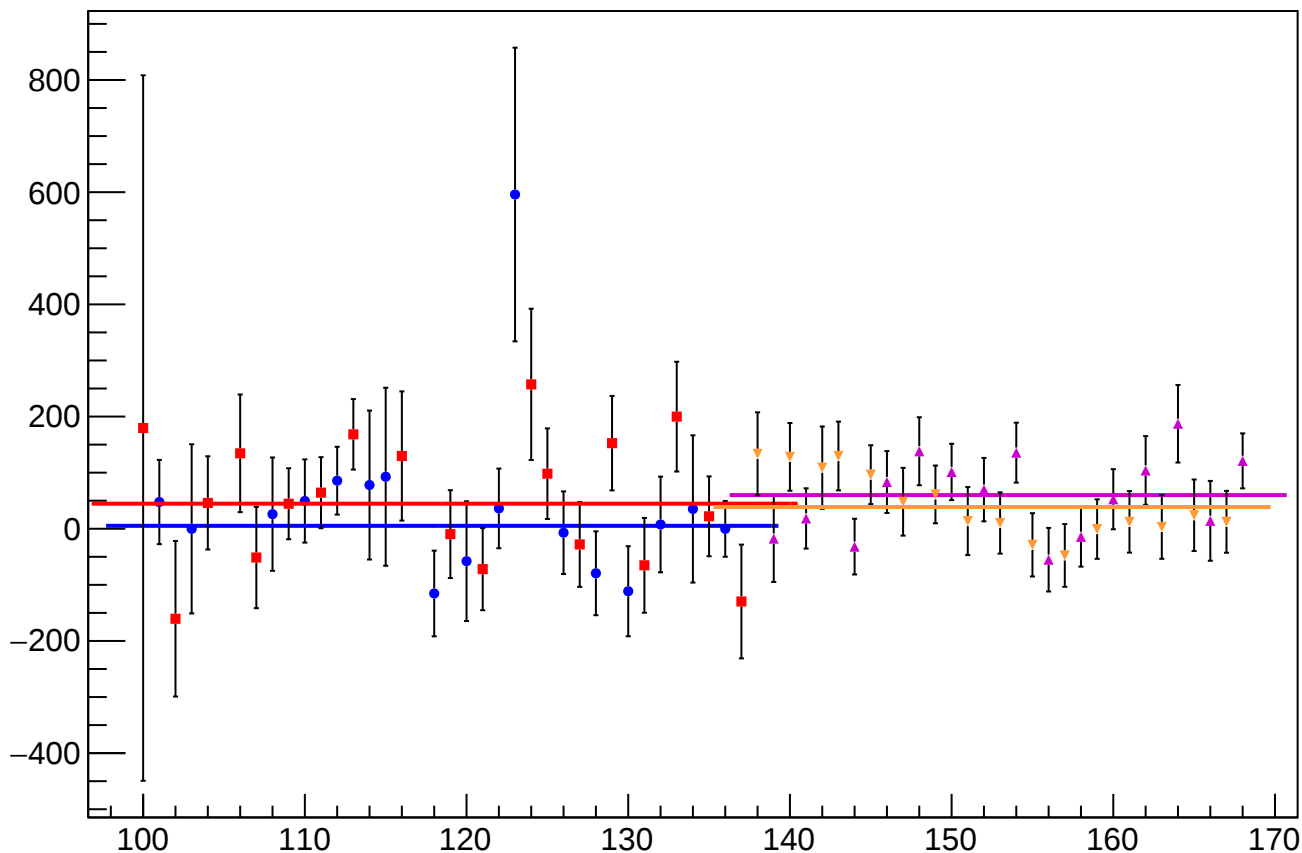
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 134.744+/-0.029 χ^2/NDF :884990.4/14

Out: 137.333+/-0.029 χ^2/NDF :1129516.2/15

All: 136.021+/-0.020 χ^2/NDF : 2018568.6/30

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 38.722 $\pm$ 14.525 χ^2 /NDF:14.1/15

Right Out: 44.715 $\pm$ 19.410 χ^2 /NDF: 24.4/18

Left In: 60.057 $\pm$ 14.616 χ^2 /NDF:21.5/14

Left: 49.323 $\pm$ 10.303 χ^2 /NDF: 36.7/30

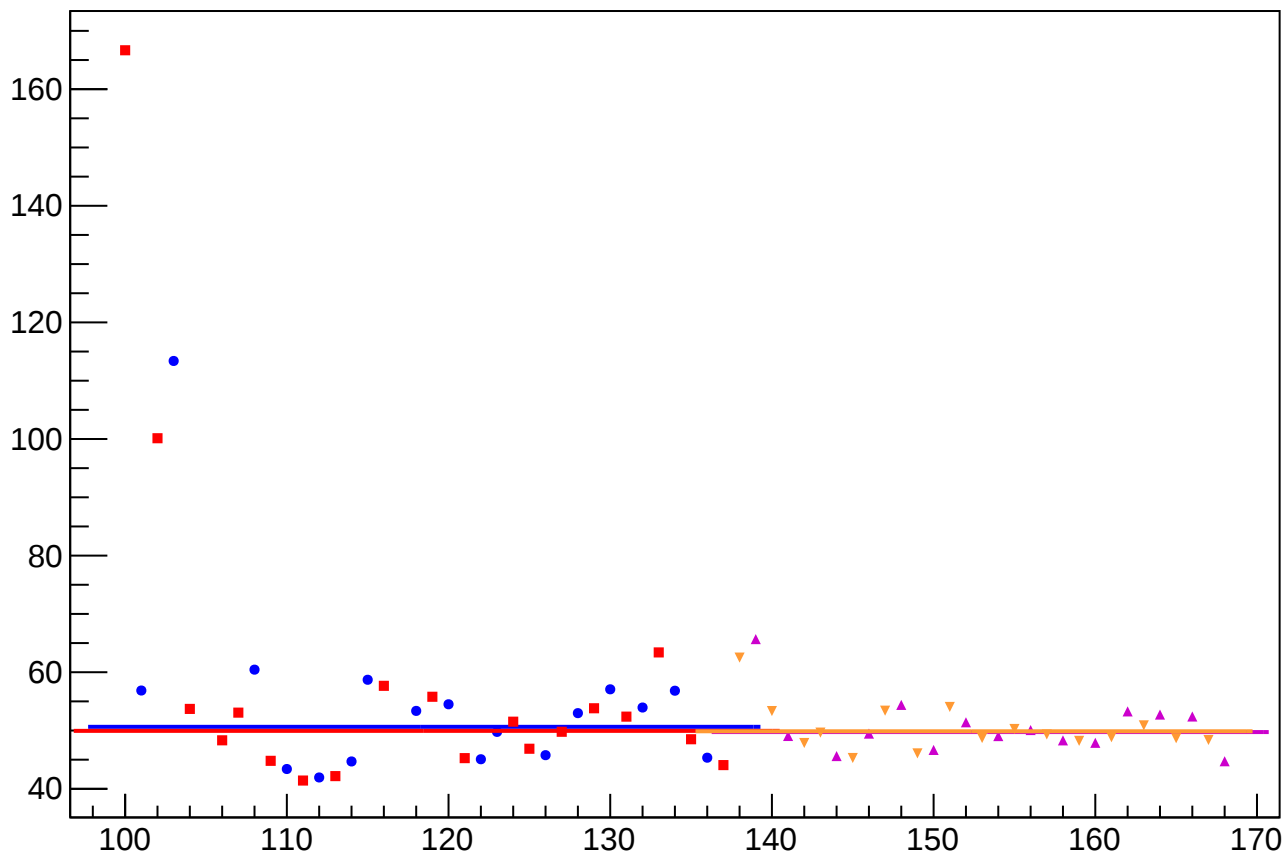
Right: 25.706 $\pm$ 13.979 χ^2 /NDF: 41.1/35

In: 41.152 $\pm$ 11.831 χ^2 /NDF:41.1/31

Out: 40.873 $\pm$ 11.630 χ^2 /NDF:38.5/34

All: 41.010 $\pm$ 8.294 χ^2 /NDF: 79.6/66

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.872 $\pm$ 0.010 χ^2 /NDF: 115564.4/15

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

Left In: 49.736 $\pm$ 0.010 χ^2 /NDF: 158493.5/14

Left: 49.804 $\pm$ 0.007 χ^2 /NDF: 274145.0/30

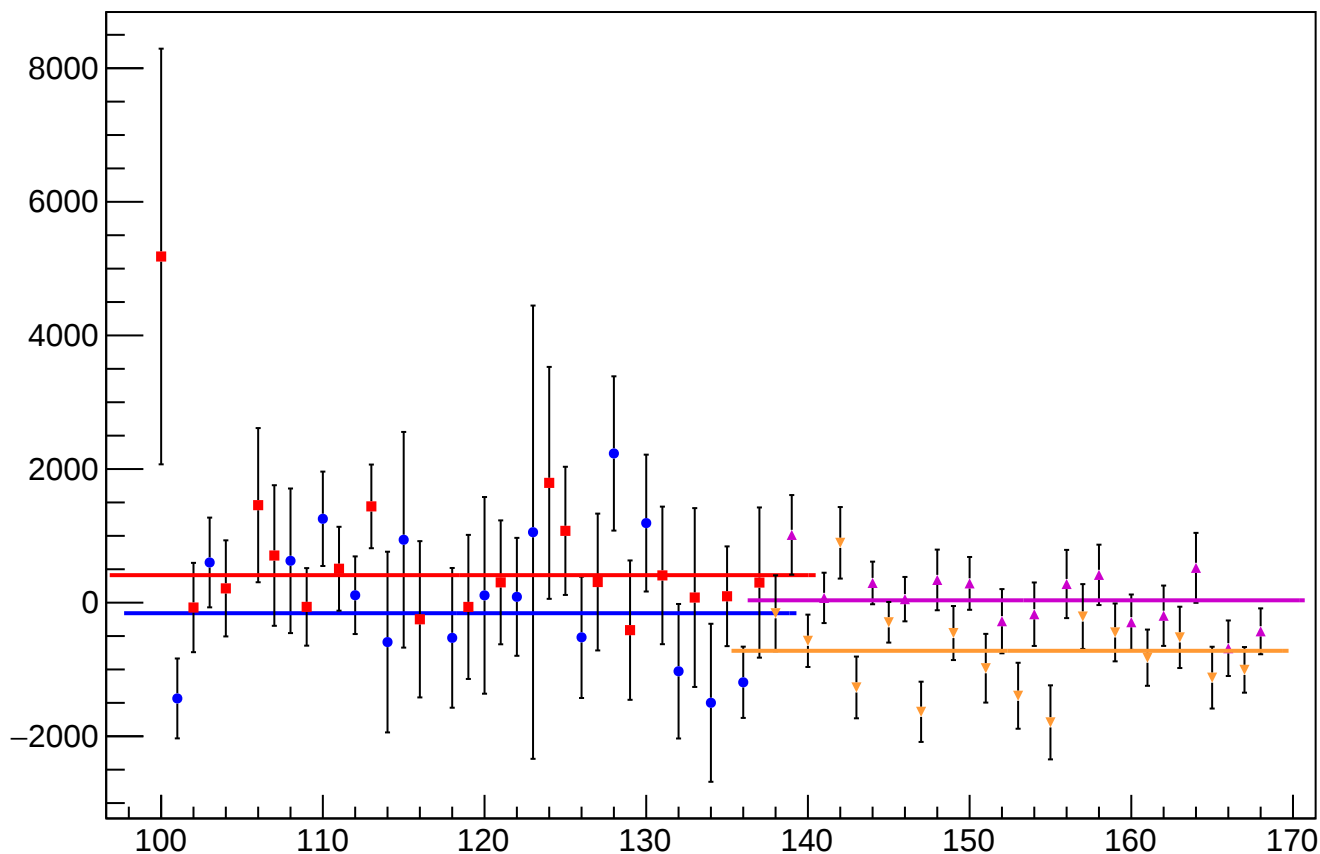
Right: 50.276 $\pm$ 0.010 χ^2 /NDF: 1021399.4/35

In: 50.046 $\pm$ 0.008 χ^2 /NDF: 680788.3/31

Out: 49.897 $\pm$ 0.008 χ^2 /NDF: 616070.2/34

All: 49.970 $\pm$ 0.006 χ^2 /NDF: 1297018.5/66

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -720.743 ± 109.107 χ^2/NDF : 27.2/15

Right Out: 411.611 ± 203.633 χ^2/NDF : 9.8/18

Left In: 35.071 ± 107.759 χ^2/NDF : 12.3/14

Left: -338.139 ± 76.669 χ^2/NDF : 63.9/30

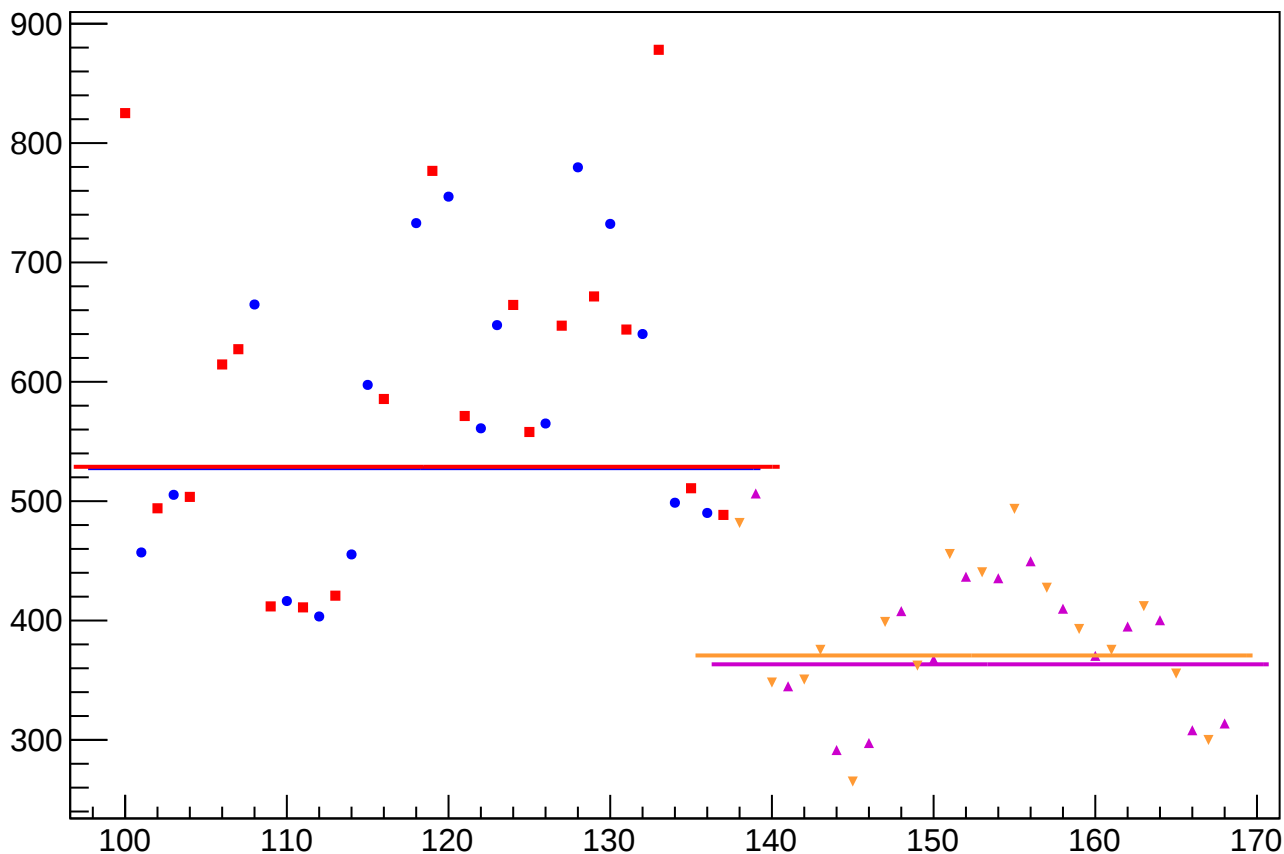
Right: 135.816 ± 146.251 χ^2/NDF : 37.0/35

In: -5.117 ± 95.891 χ^2/NDF : 36.5/31

Out: -468.172 ± 96.172 χ^2/NDF : 61.0/34

All: -235.966 ± 67.904 χ^2/NDF : 109.1/66

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 370.743 $\pm$ 0.077 χ^2 /NDF: 666032.4/15

Right Out: 528.806 $\pm$ 0.144 χ^2 /NDF: 623364.6/18

Left In: 363.315 $\pm$ 0.076 χ^2 /NDF: 588092.0/14

Left: 366.983 $\pm$ 0.054 χ^2 /NDF: 1258816.5/30

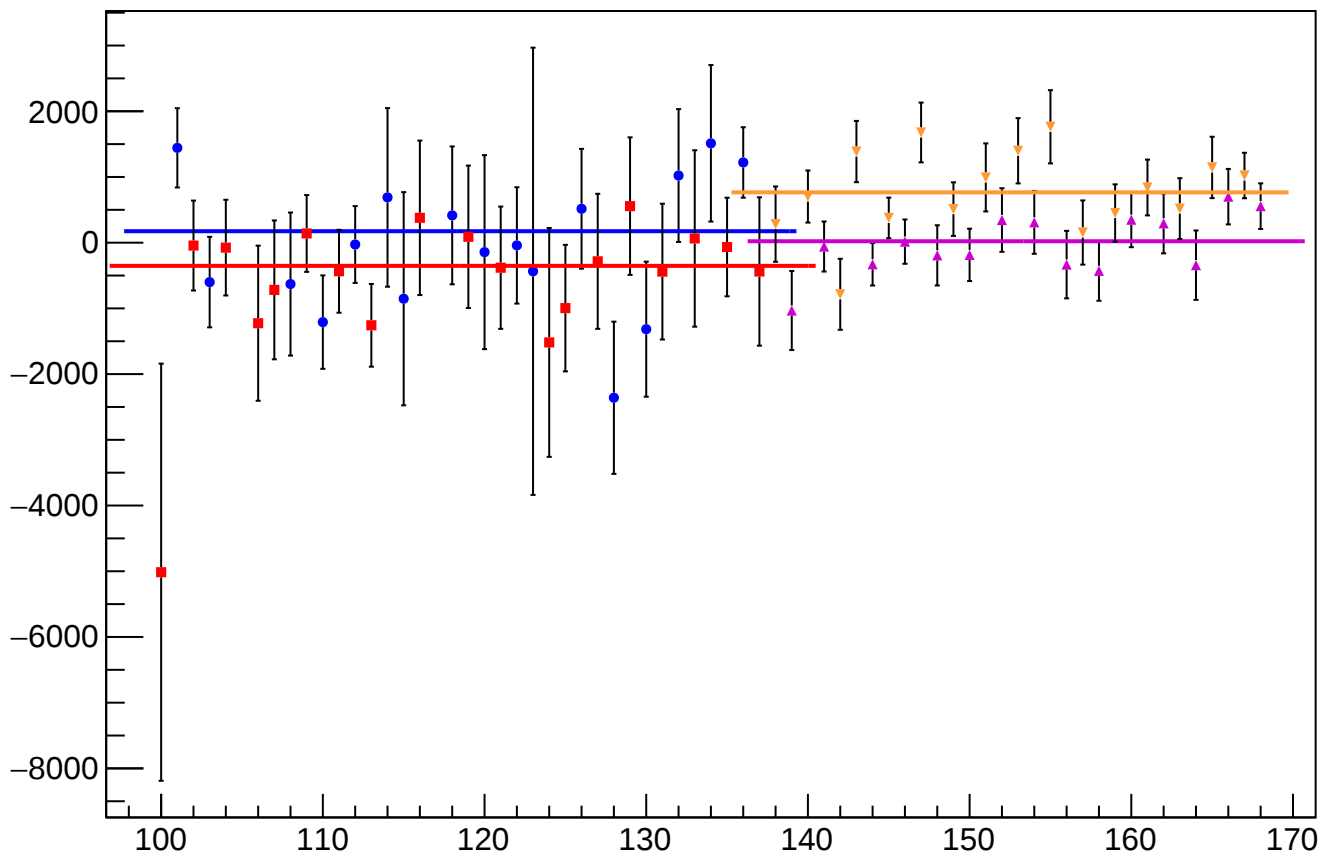
Right: 528.253 $\pm$ 0.103 χ^2 /NDF: 1180818.7/35

In: 397.524 $\pm$ 0.068 χ^2 /NDF: 2113829.0/31

Out: 405.999 $\pm$ 0.068 χ^2 /NDF: 2225637.2/34

All: 401.749 $\pm$ 0.048 χ^2 /NDF: 4347255.3/66

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 765.918 $\pm$ 110.177 χ^2 /NDF:25.4/15

Right Out: -352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

Left In: 22.079 $\pm$ 108.842 χ^2 /NDF:13.4/14

Left: 389.464 $\pm$ 77.431 χ^2 /NDF: 61.9/30

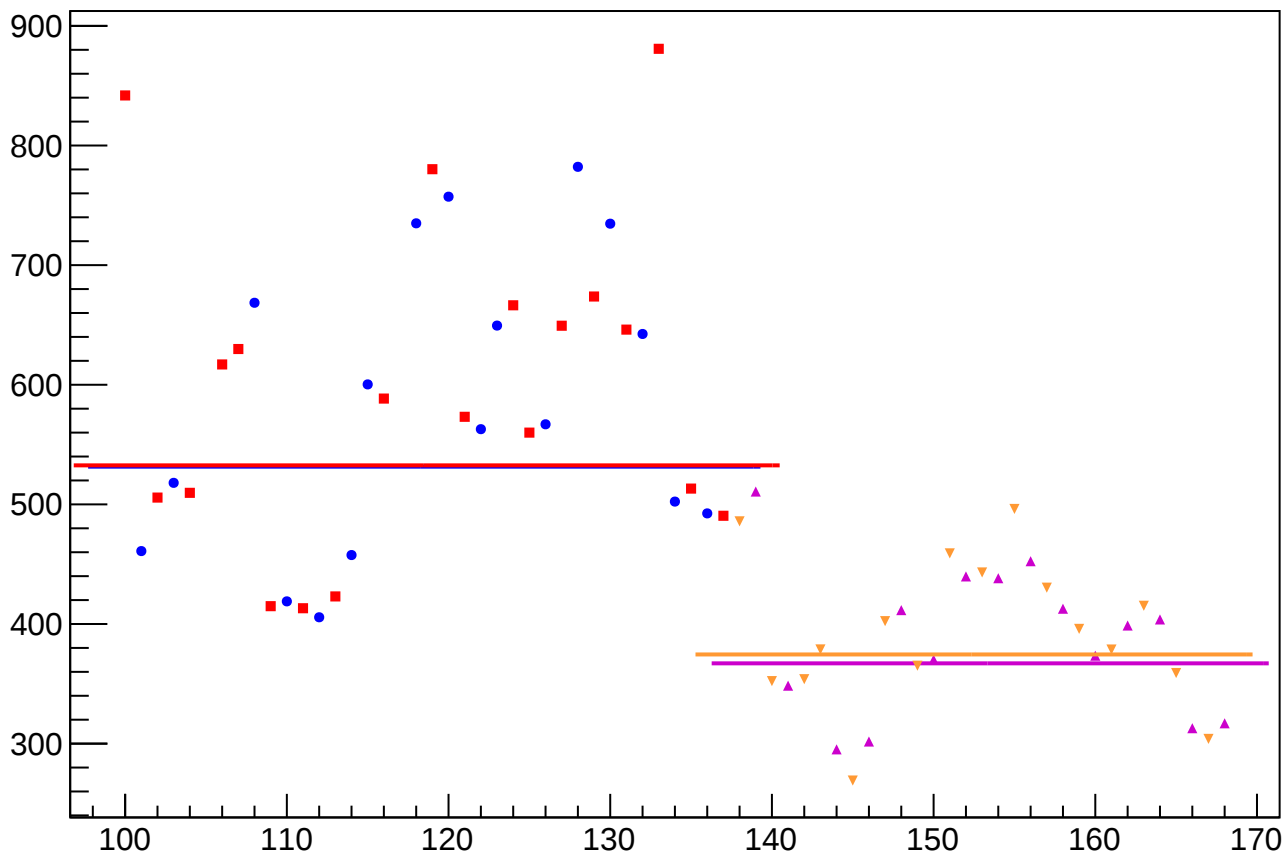
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: 53.976 $\pm$ 96.794 χ^2 /NDF:37.5/31

Out: 515.634 $\pm$ 97.070 χ^2 /NDF:56.9/34

All: 284.148 $\pm$ 68.541 χ^2 /NDF: 105.7/66

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2/NDF : 550087.6/16

Left Out: 374.547 $\pm$ 0.078 χ^2/NDF : 645312.3/15

Right Out: 532.620 $\pm$ 0.145 χ^2/NDF : 615746.2/18

Left In: 367.116 $\pm$ 0.077 χ^2/NDF : 571453.7/14

Left: 370.786 $\pm$ 0.055 χ^2/NDF : 1221371.6/30

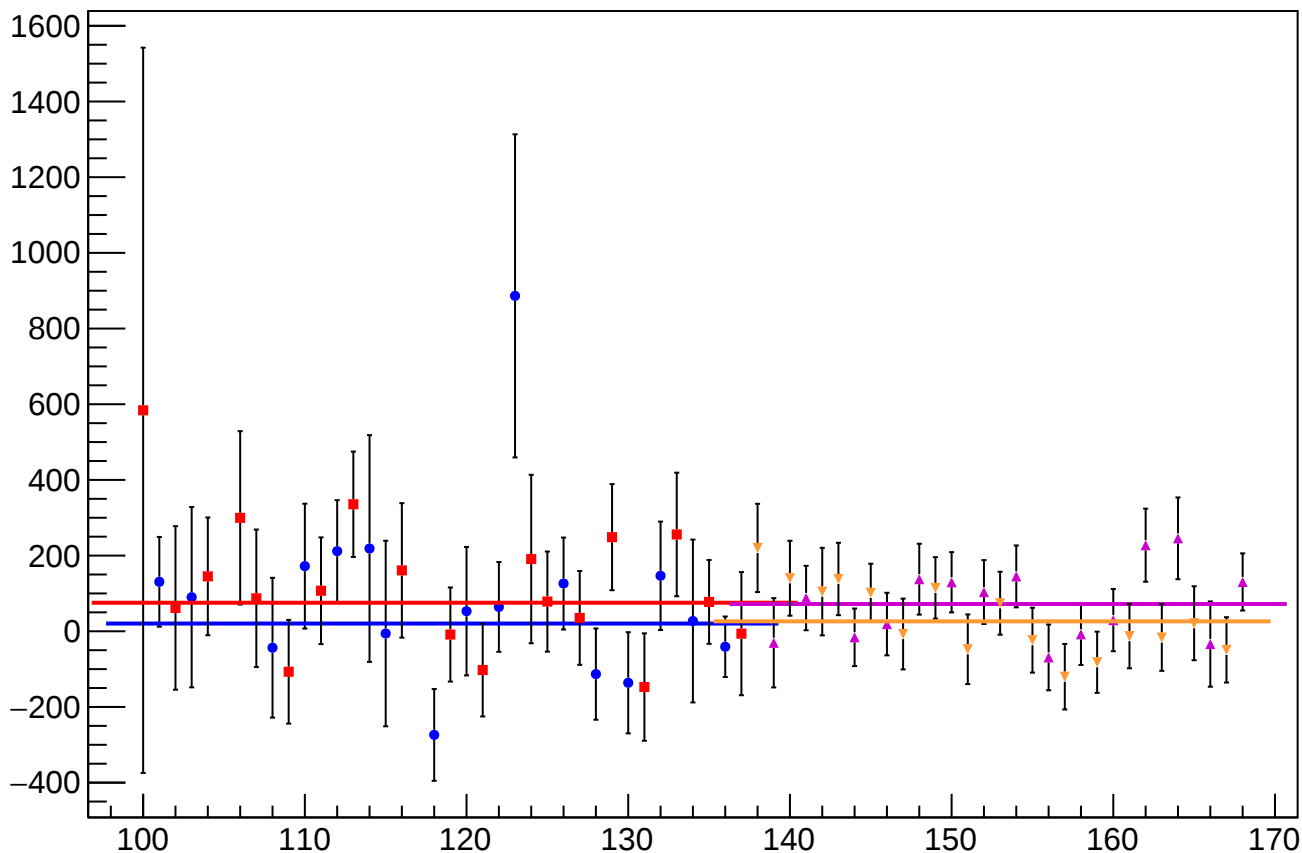
Right: 532.104 $\pm$ 0.104 χ^2/NDF : 1165860.0/35

In: 401.504 $\pm$ 0.068 χ^2/NDF : 2076220.0/31

Out: 409.919 $\pm$ 0.069 χ^2/NDF : 2182282.9/34

All: 405.700 $\pm$ 0.048 χ^2/NDF : 4266039.8/66

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: 26.256 $\pm$ 22.440 χ^2 /NDF:15.4/15

Right Out: 75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

Left In: 72.075 $\pm$ 22.527 χ^2 /NDF:15.0/14

Left: 49.076 $\pm$ 15.898 χ^2 /NDF: 32.5/30

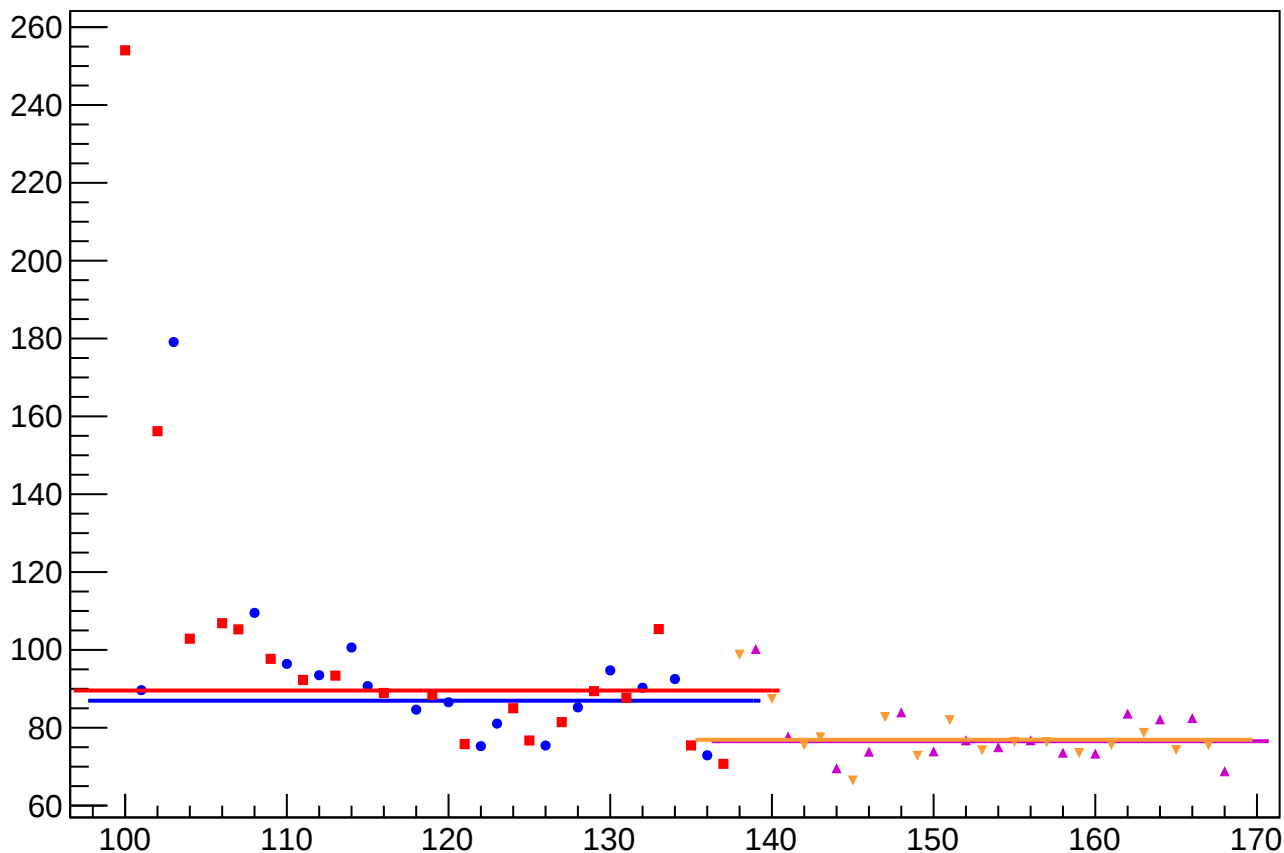
Right: 47.856 $\pm$ 24.495 χ^2 /NDF: 35.9/35

In: 56.692 $\pm$ 18.876 χ^2 /NDF:35.8/31

Out: 40.764 $\pm$ 18.843 χ^2 /NDF:32.2/34

All: 48.714 $\pm$ 13.336 χ^2 /NDF: 68.4/66

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: 76.916 $\pm$ 0.016 χ^2 /NDF:158271.3/15

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

Left In: 76.540 $\pm$ 0.016 χ^2 /NDF:163648.0/14

Left: 76.729 $\pm$ 0.011 χ^2 /NDF: 322199.6/30

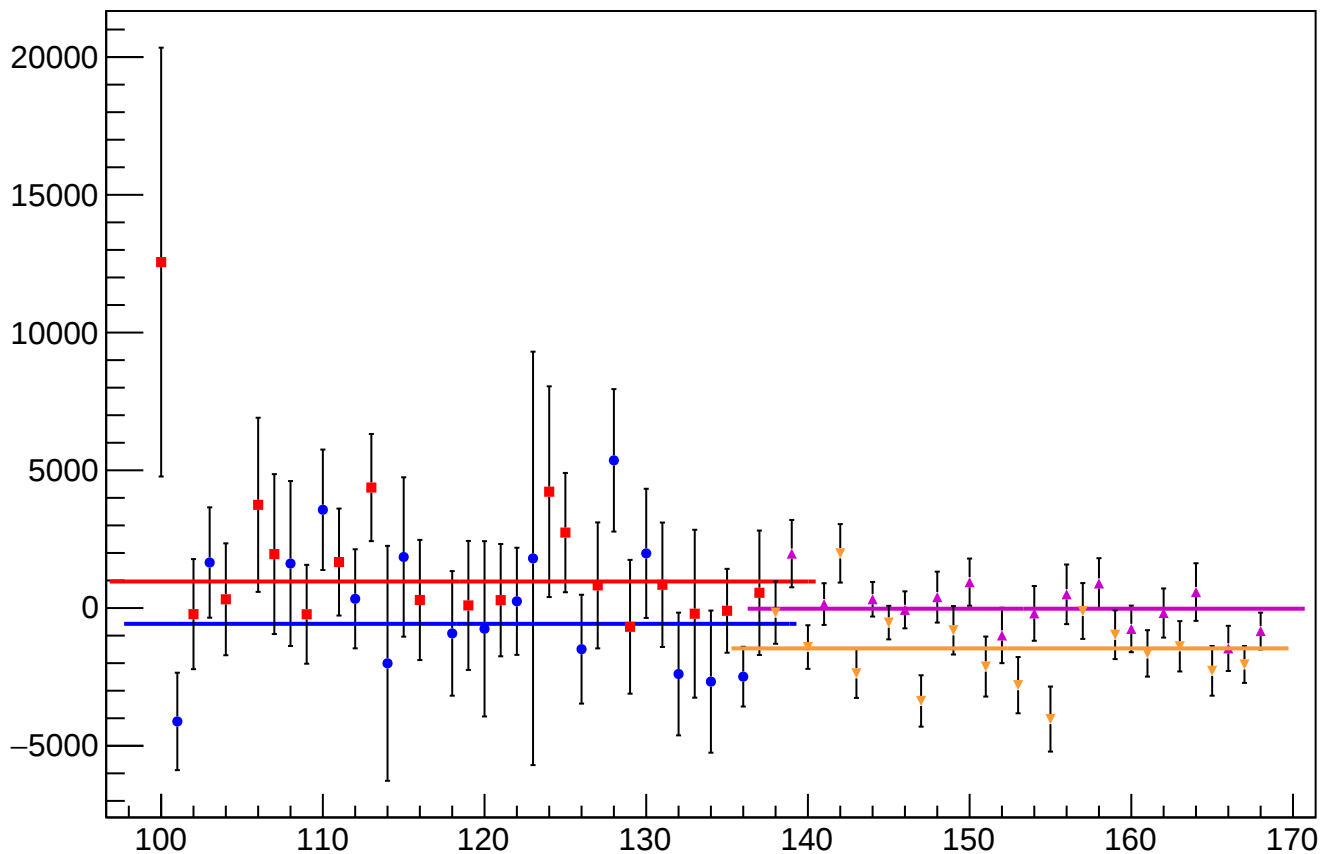
Right: 88.247 $\pm$ 0.017 χ^2 /NDF: 892752.0/35

In: 79.639 $\pm$ 0.013 χ^2 /NDF:746508.1/31

Out: 80.645 $\pm$ 0.013 χ^2 /NDF:776771.0/34

All: 80.143 $\pm$ 0.009 χ^2 /NDF: 1526125.2/66

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -1463.400+/-220.852 χ^2/NDF :30.6/15

Right Out: 963.846+/-514.621 χ^2/NDF : 10.1/18

Left In: -23.825+/-217.987 χ^2/NDF :12.4/14

Left: -734.215+/-155.143 χ^2/NDF : 64.5/30

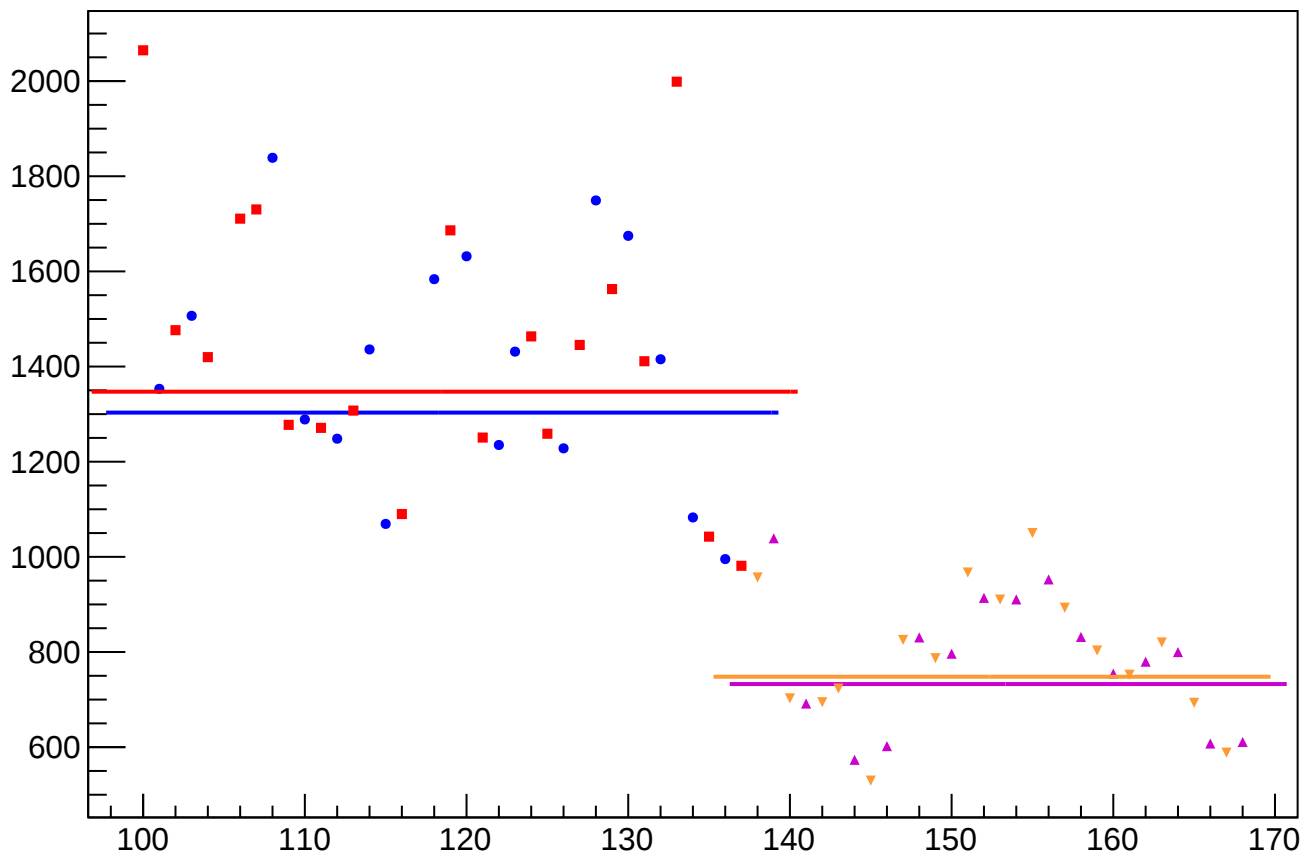
Right: 199.325+/-364.737 χ^2/NDF : 36.4/35

In: -106.615+/-200.864 χ^2/NDF :35.2/31

Out: -1085.893+/-202.952 χ^2/NDF :59.4/34

All: -591.189+/-142.765 χ^2/NDF : 106.4/66

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 748.036+/-0.156 χ^2/NDF : 800995.6/15

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

Left In: 732.650+/-0.154 χ^2/NDF : 731994.8/14

Left: 740.243+/-0.110 χ^2/NDF : 1537906.8/30

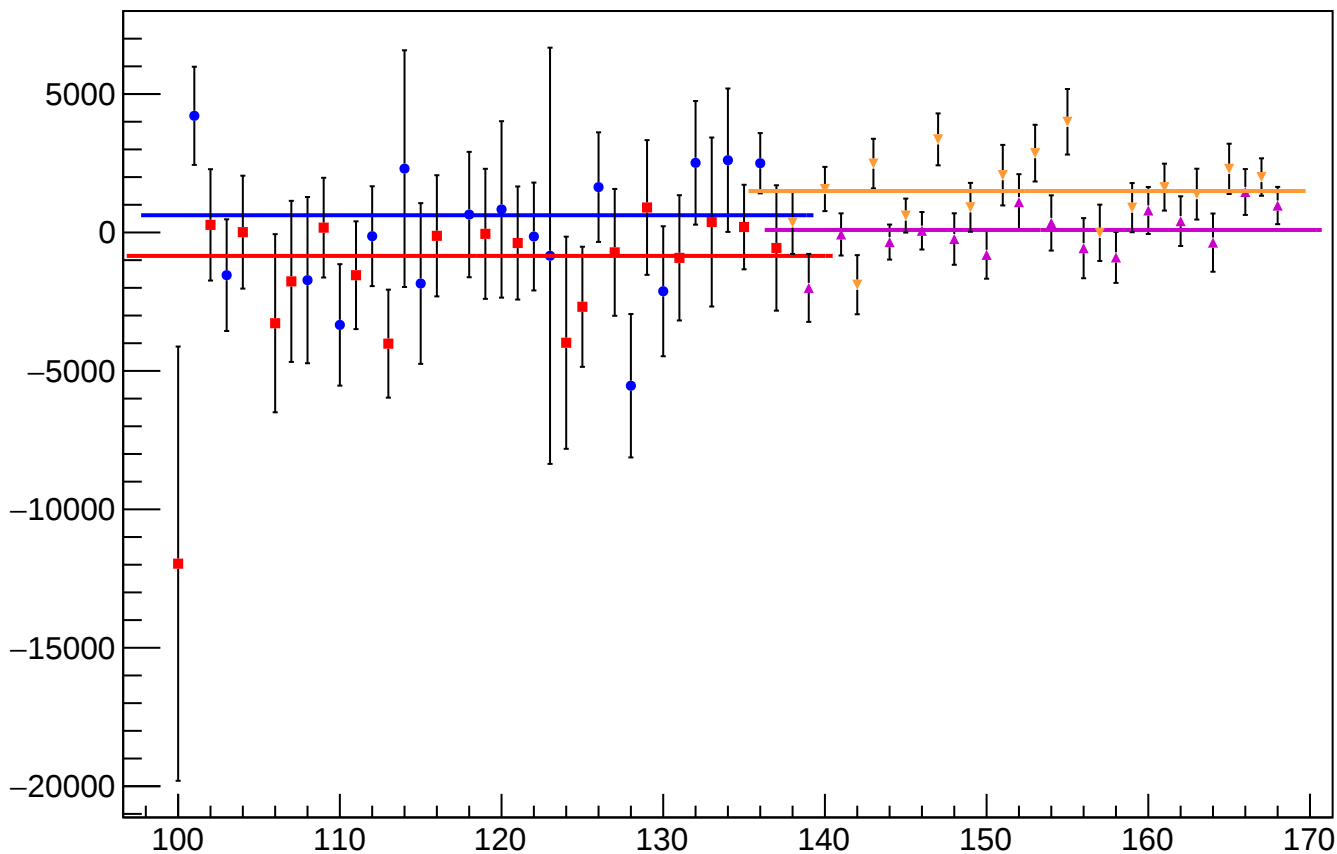
Right: 1325.291+/-0.258 χ^2/NDF : 880004.2/35

In: 818.766+/-0.142 χ^2/NDF : 3251927.8/31

Out: 841.220+/-0.144 χ^2/NDF : 3511042.5/34

All: 829.877+/-0.101 χ^2/NDF : 6775337.3/66

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1497.218 $\pm$ 222.153 χ^2 /NDF:29.3/15

Right Out: -846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

Left In: 90.710 $\pm$ 219.313 χ^2 /NDF:12.7/14

Left: 784.913 $\pm$ 156.072 χ^2 /NDF: 62.3/30

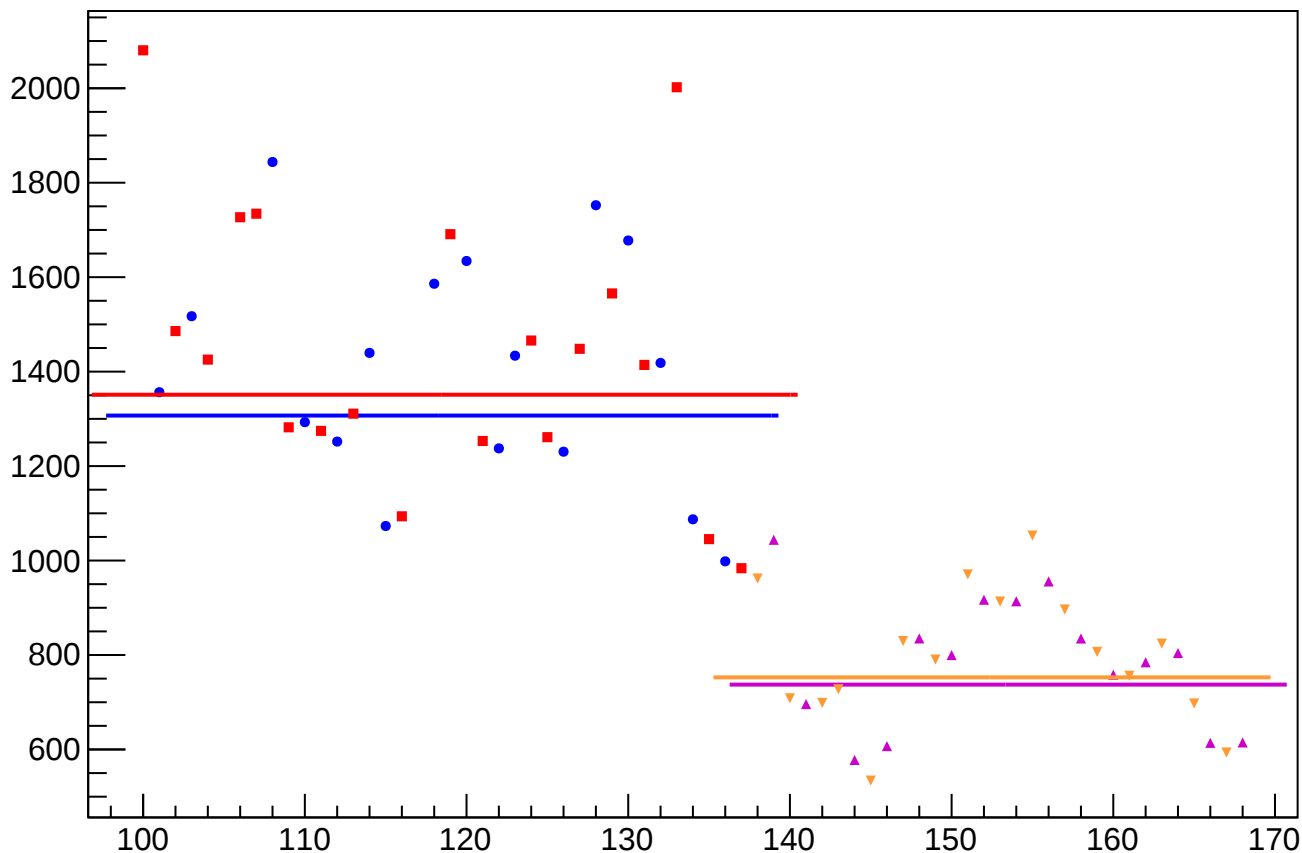
Right: -114.886 $\pm$ 365.862 χ^2 /NDF: 35.1/35

In: 171.401 $\pm$ 201.987 χ^2 /NDF:35.5/31

Out: 1131.190 $\pm$ 204.066 χ^2 /NDF:55.8/34

All: 646.380 $\pm$ 143.556 χ^2 /NDF: 102.5/66

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 752.679 ± 0.157 $\chi^2/\text{NDF}: 786892.7/15$

Right Out: 1351.096 ± 0.365 $\chi^2/\text{NDF}: 421804.6/18$

Left In: 737.328 ± 0.155 $\chi^2/\text{NDF}: 719099.1/14$

Left: 744.905 ± 0.110 $\chi^2/\text{NDF}: 1510828.6/30$

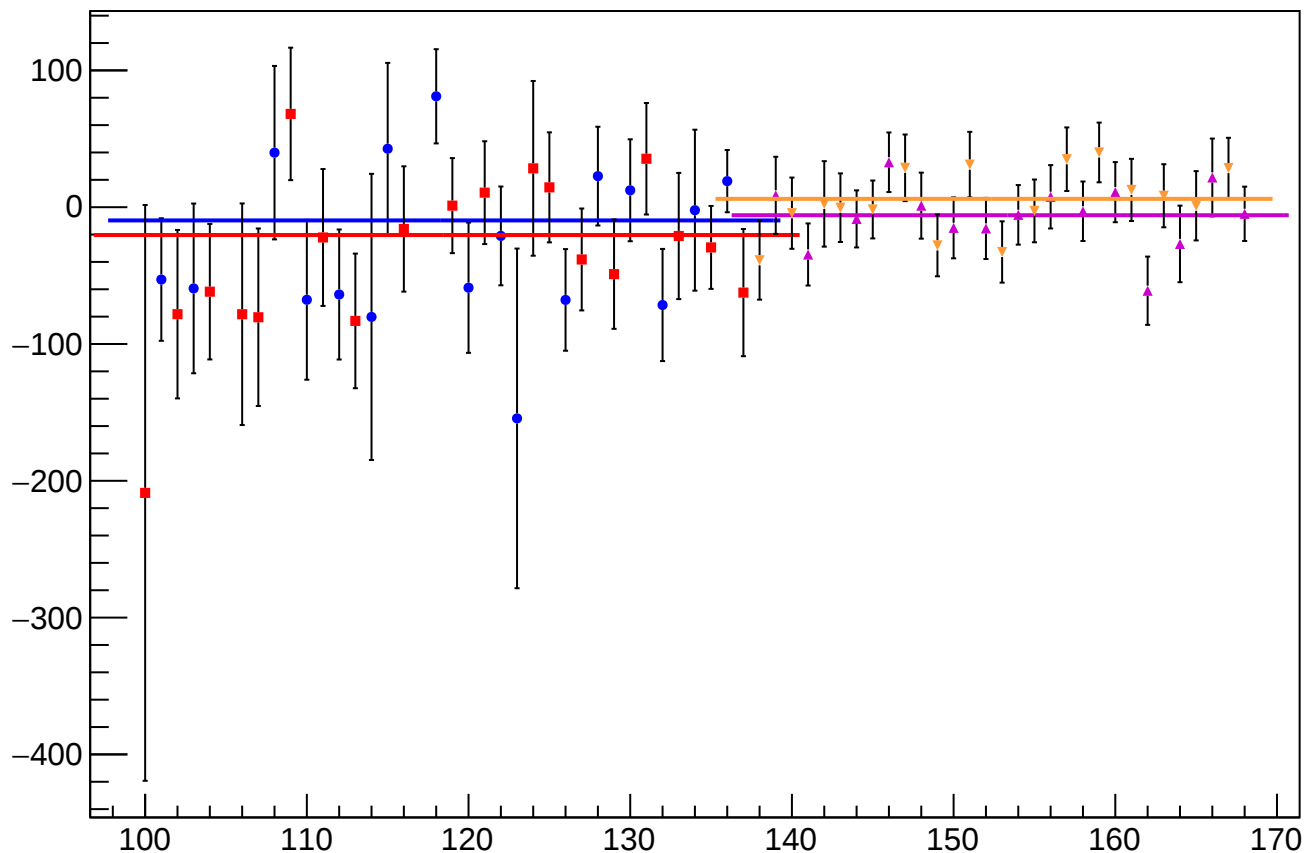
Right: 1329.131 ± 0.259 $\chi^2/\text{NDF}: 880266.0/35$

In: 823.778 ± 0.143 $\chi^2/\text{NDF}: 3218050.9/31$

Out: 846.155 ± 0.144 $\chi^2/\text{NDF}: 3475578.5/34$

All: 834.852 ± 0.102 $\chi^2/\text{NDF}: 6705777.5/66$

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: 6.100 ± 5.957 $\chi^2/\text{NDF}: 15.3/15$

Right Out: -20.335 ± 10.444 $\chi^2/\text{NDF}: 14.7/18$

Left In: -5.865 ± 5.960 $\chi^2/\text{NDF}: 12.8/14$

Left: 0.120 ± 4.213 $\chi^2/\text{NDF}: 30.2/30$

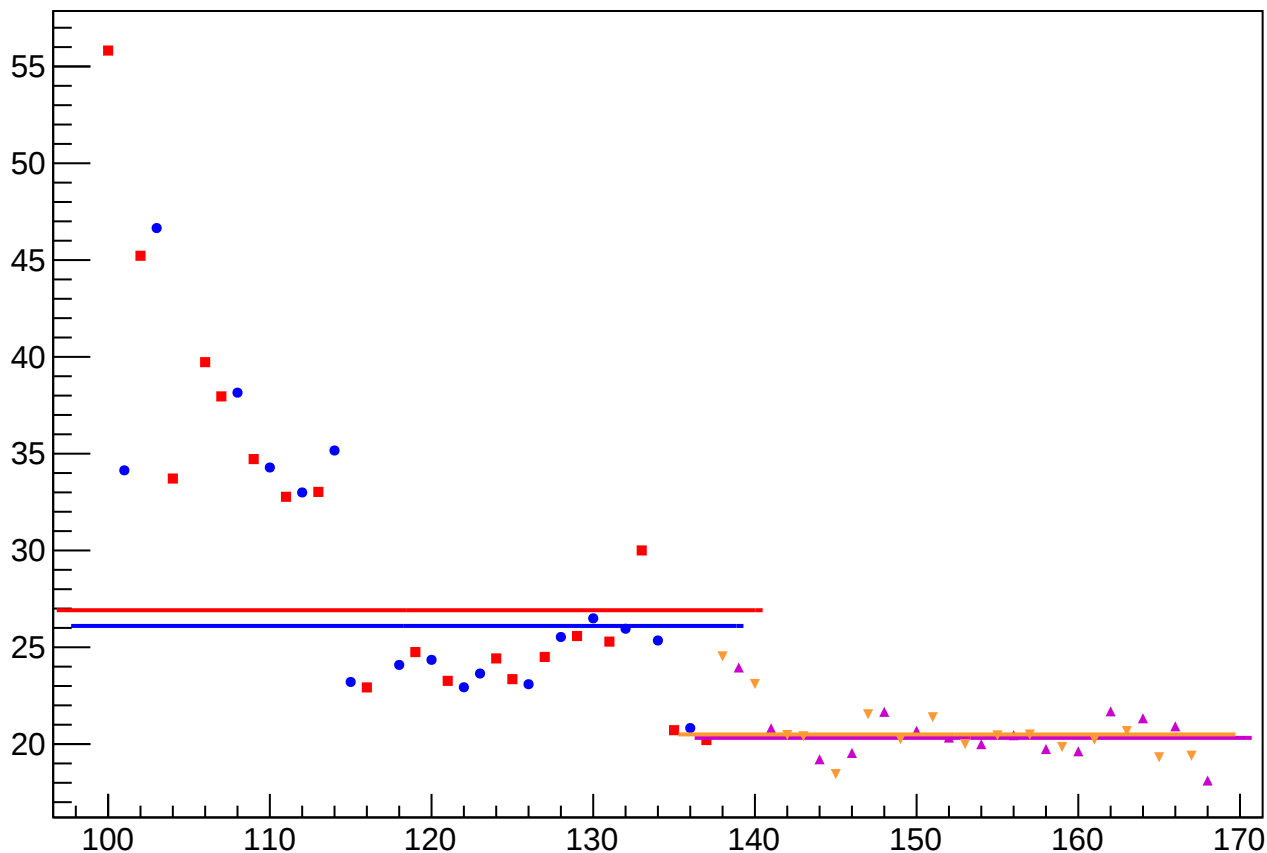
Right: -14.983 ± 7.372 $\chi^2/\text{NDF}: 37.7/35$

In: -6.804 ± 5.172 $\chi^2/\text{NDF}: 35.5/31$

Out: -0.389 ± 5.174 $\chi^2/\text{NDF}: 34.8/34$

All: -3.598 ± 3.658 $\chi^2/\text{NDF}: 71.1/66$

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 ± 0.007 $\chi^2/\text{NDF}: 604038.5/16$

Left Out: 20.499 ± 0.004 $\chi^2/\text{NDF}: 97110.8/15$

Right Out: 26.914 ± 0.007 $\chi^2/\text{NDF}: 678970.2/18$

Left In: 20.321 ± 0.004 $\chi^2/\text{NDF}: 87241.6/14$

Left: 20.410 ± 0.003 $\chi^2/\text{NDF}: 185241.0/30$

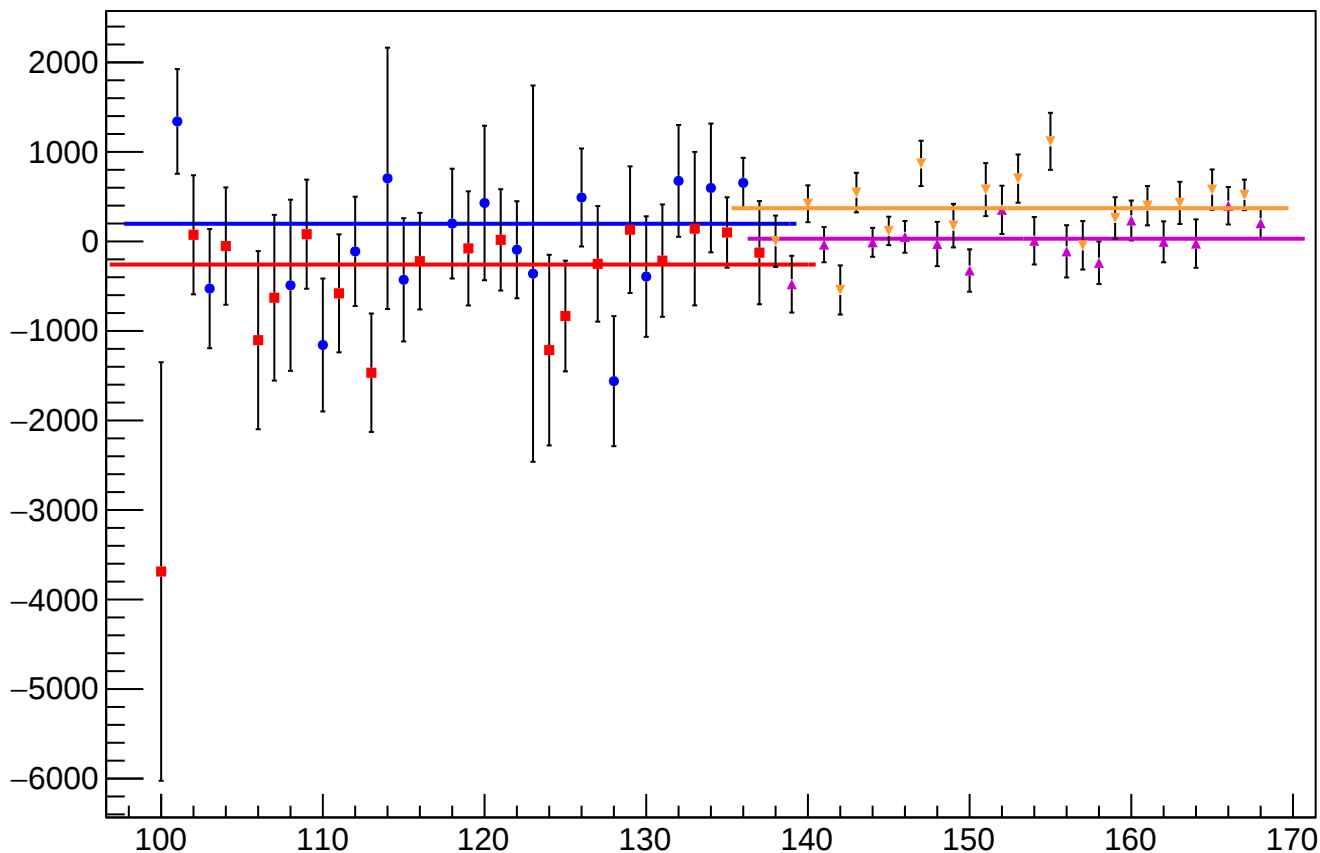
Right: 26.507 ± 0.005 $\chi^2/\text{NDF}: 1289062.8/35$

In: 21.749 ± 0.004 $\chi^2/\text{NDF}: 1156024.9/31$

Out: 22.074 ± 0.004 $\chi^2/\text{NDF}: 1345440.4/34$

All: 21.911 ± 0.003 $\chi^2/\text{NDF}: 2505406.5/66$

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 371.397 $\pm$ 57.564 χ^2 /NDF:32.3/15

Right Out: -258.537 $\pm$ 149.867 χ^2 /NDF: 10.7/18

Left In: 30.146 $\pm$ 56.924 χ^2 /NDF:13.1/14

Left: 198.864 $\pm$ 40.475 χ^2 /NDF: 63.1/30

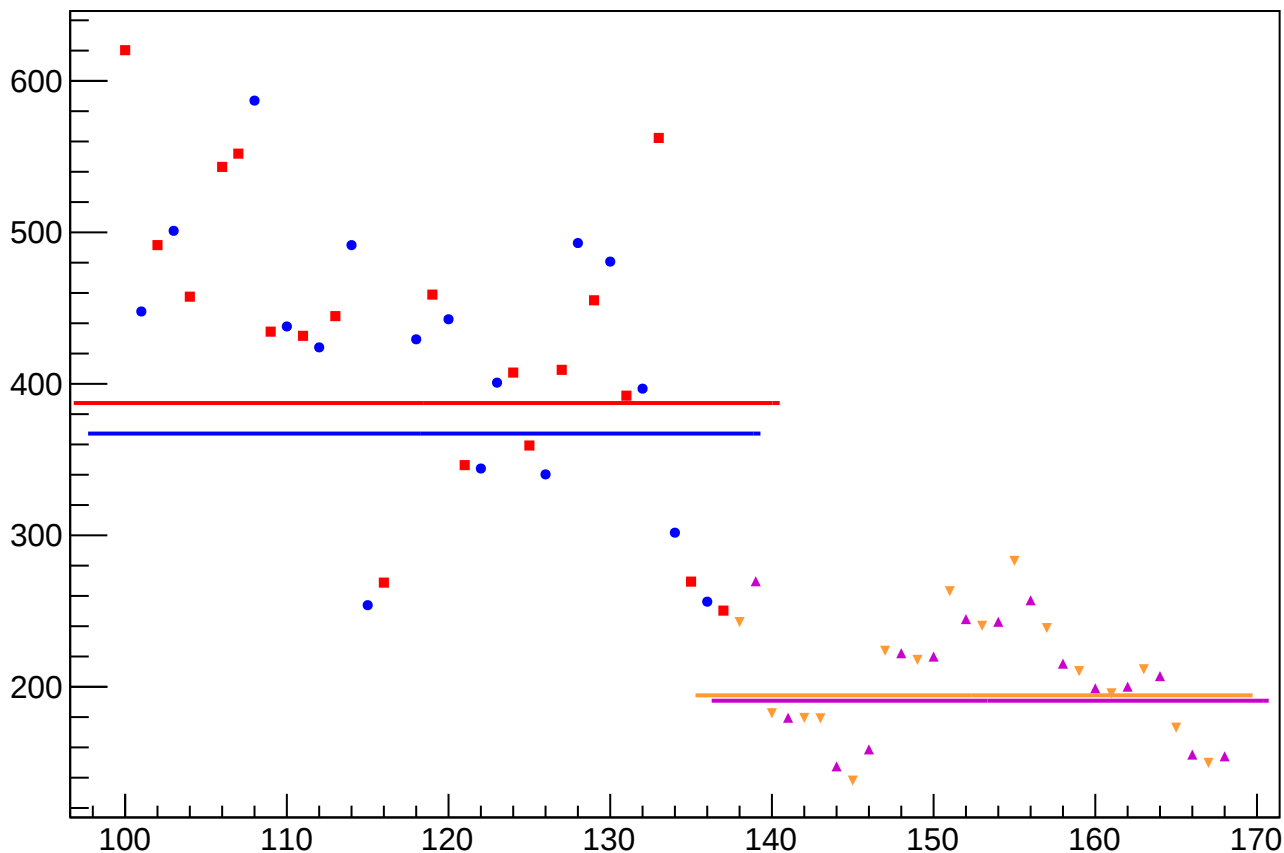
Right: -27.568 $\pm$ 105.264 χ^2 /NDF: 36.3/35

In: 51.720 $\pm$ 53.124 χ^2 /NDF:35.1/31

Out: 290.410 $\pm$ 53.736 χ^2 /NDF:58.3/34

All: 169.698 $\pm$ 37.779 χ^2 /NDF: 103.4/66

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: 194.376 $\pm$ 0.041 χ^2 /NDF: 925179.4/15

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

Left In: 190.816 $\pm$ 0.040 χ^2 /NDF: 849646.9/14

Left: 192.576 $\pm$ 0.029 χ^2 /NDF: 1778692.8/30

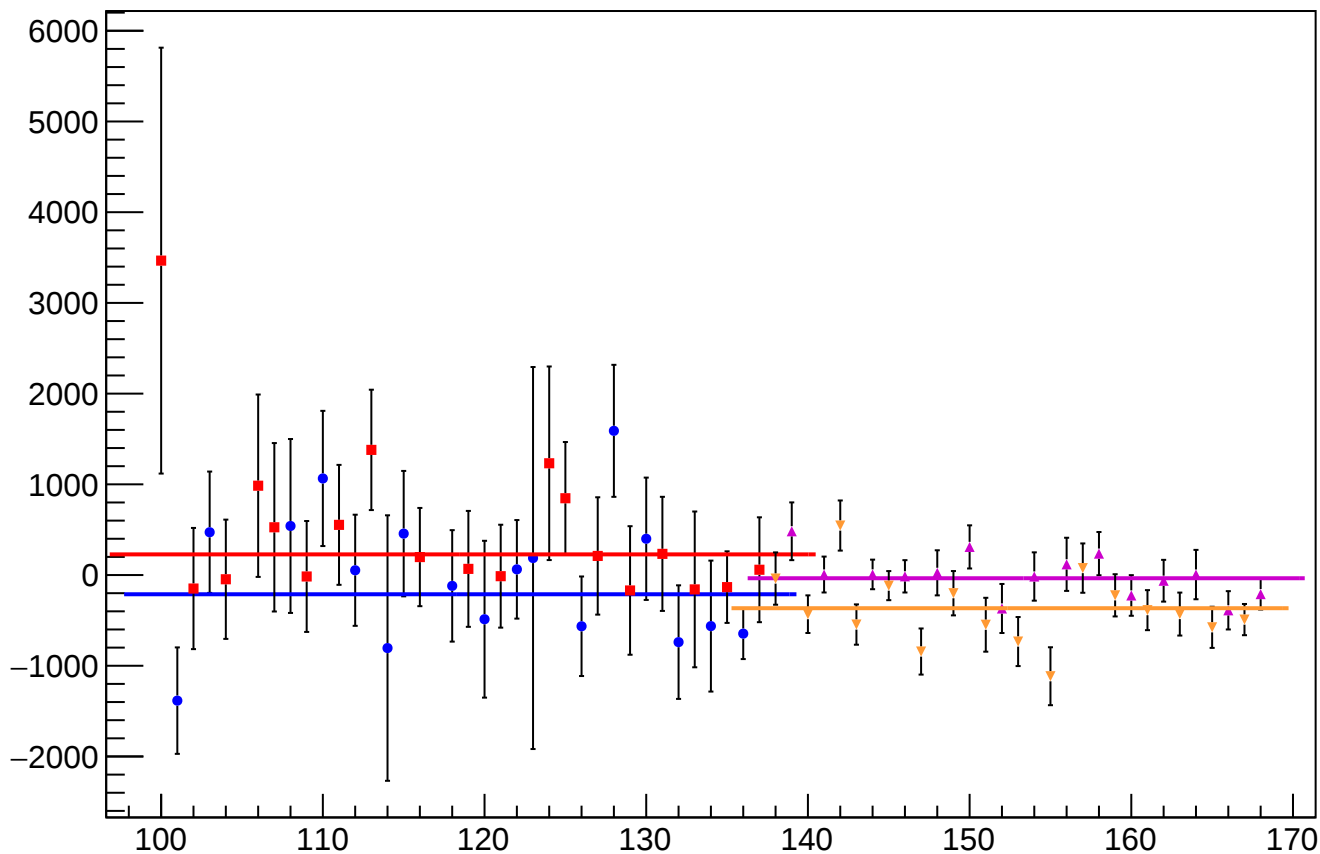
Right: 377.128 $\pm$ 0.074 χ^2 /NDF: 1620053.1/35

In: 213.575 $\pm$ 0.038 χ^2 /NDF: 4154258.0/31

Out: 219.185 $\pm$ 0.038 χ^2 /NDF: 4589252.0/34

All: 216.348 $\pm$ 0.027 χ^2 /NDF: 8754531.2/66

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859+/-148.316 χ^2 /NDF: 21.0/16

Left Out: -365.625+/-57.918 χ^2 /NDF:31.6/15

Right Out: 227.831+/-150.317 χ^2 /NDF: 10.1/18

Left In: -35.214+/-57.281 χ^2 /NDF:12.6/14

Left: -198.593+/-40.727 χ^2 /NDF: 60.7/30

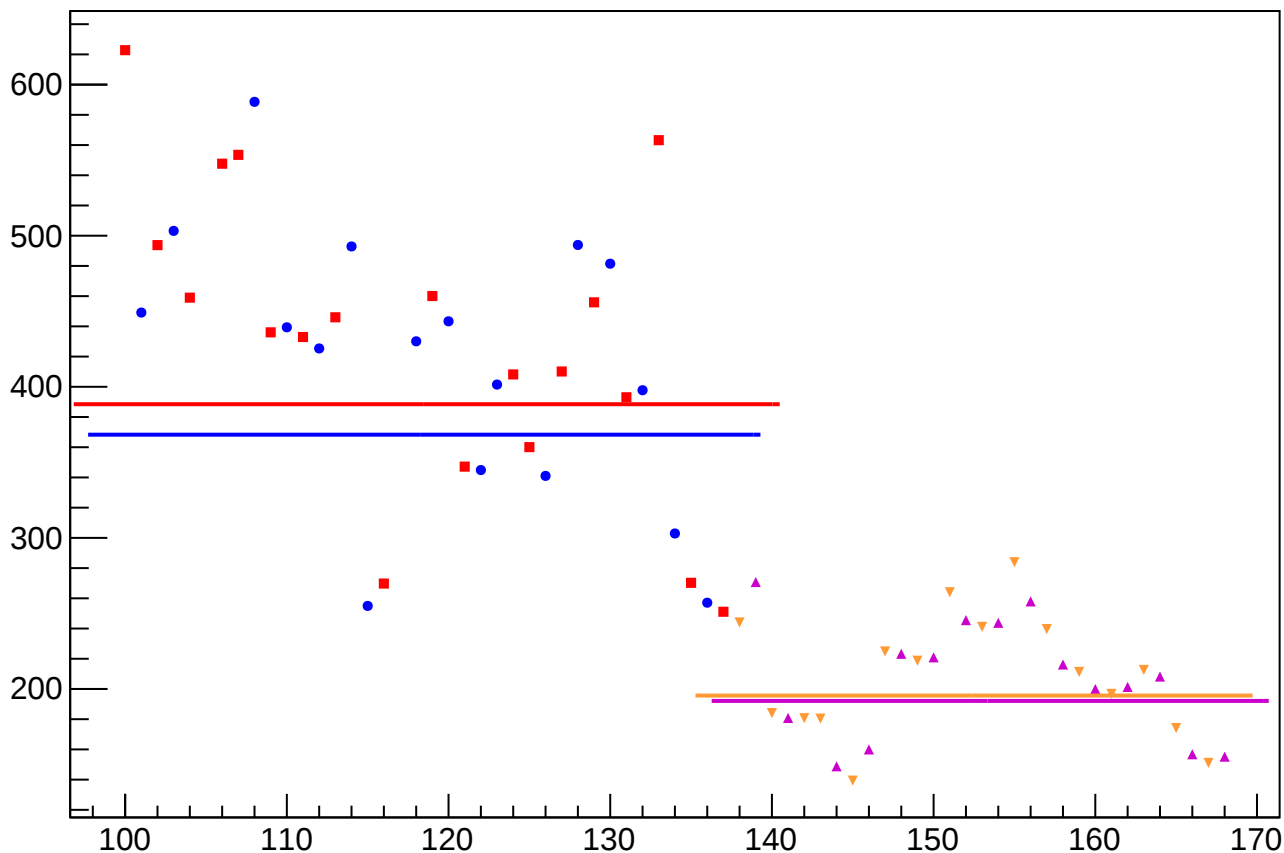
Right: 5.040+/-105.575 χ^2 /NDF: 35.4/35

In: -58.142+/-53.434 χ^2 /NDF:34.9/31

Out: -288.909+/-54.045 χ^2 /NDF:55.2/34

All: -172.215+/-37.998 χ^2 /NDF: 99.3/66

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: 195.655 $\pm$ 0.041 χ^2 /NDF: 907855.0/15

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

Left In: 192.090 $\pm$ 0.041 χ^2 /NDF: 833569.7/14

Left: 193.853 $\pm$ 0.029 χ^2 /NDF: 1745254.3/30

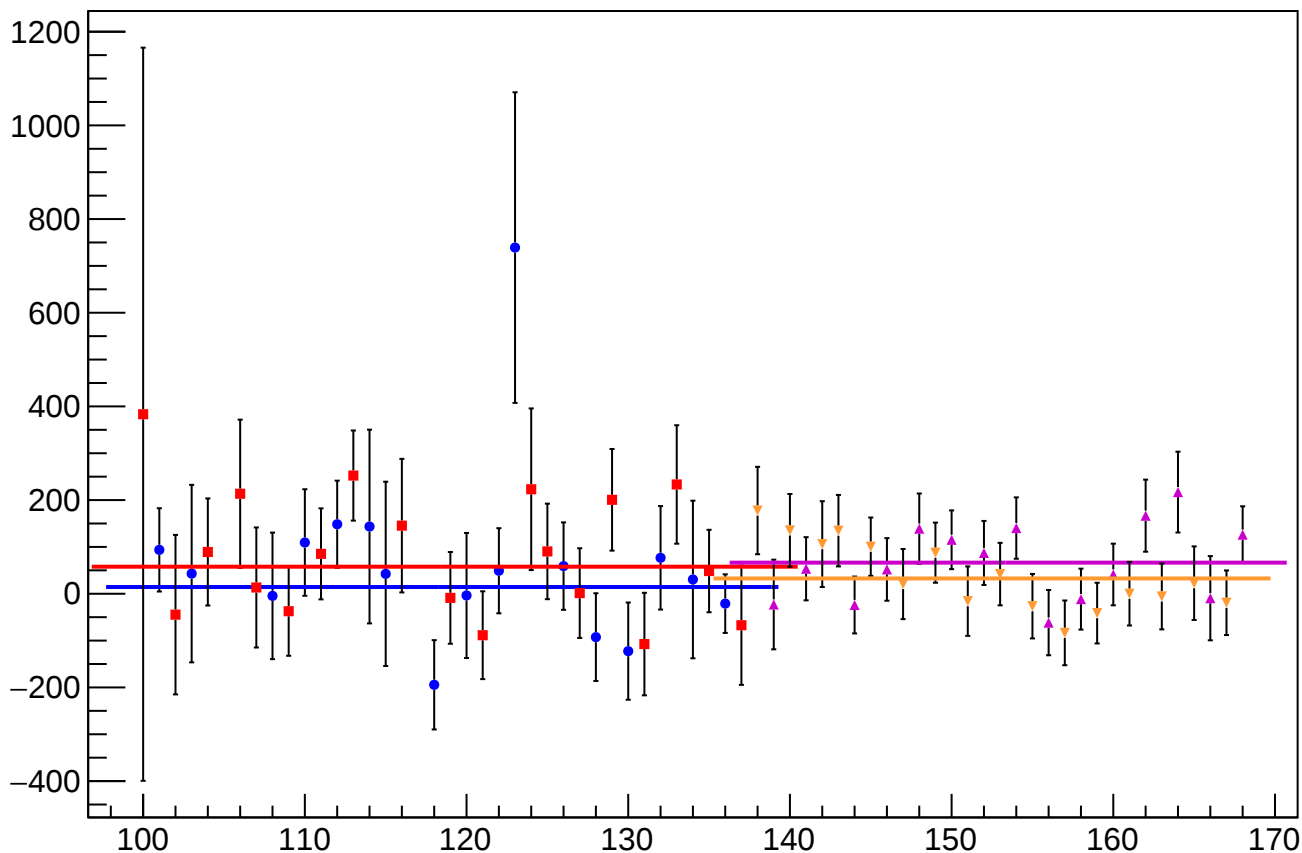
Right: 378.252 $\pm$ 0.075 χ^2 /NDF: 1617584.5/35

In: 214.962 $\pm$ 0.038 χ^2 /NDF: 4114838.2/31

Out: 220.580 $\pm$ 0.038 χ^2 /NDF: 4548030.4/34

All: 217.739 $\pm$ 0.027 χ^2 /NDF: 8673797.8/66

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 32.688+/-17.939 χ^2/NDF :15.0/15

Right Out: 57.795+/-26.121 χ^2/NDF : 18.4/18

Left In: 66.418+/-18.029 χ^2/NDF :17.5/14

Left: 49.469+/-12.717 χ^2/NDF : 34.2/30

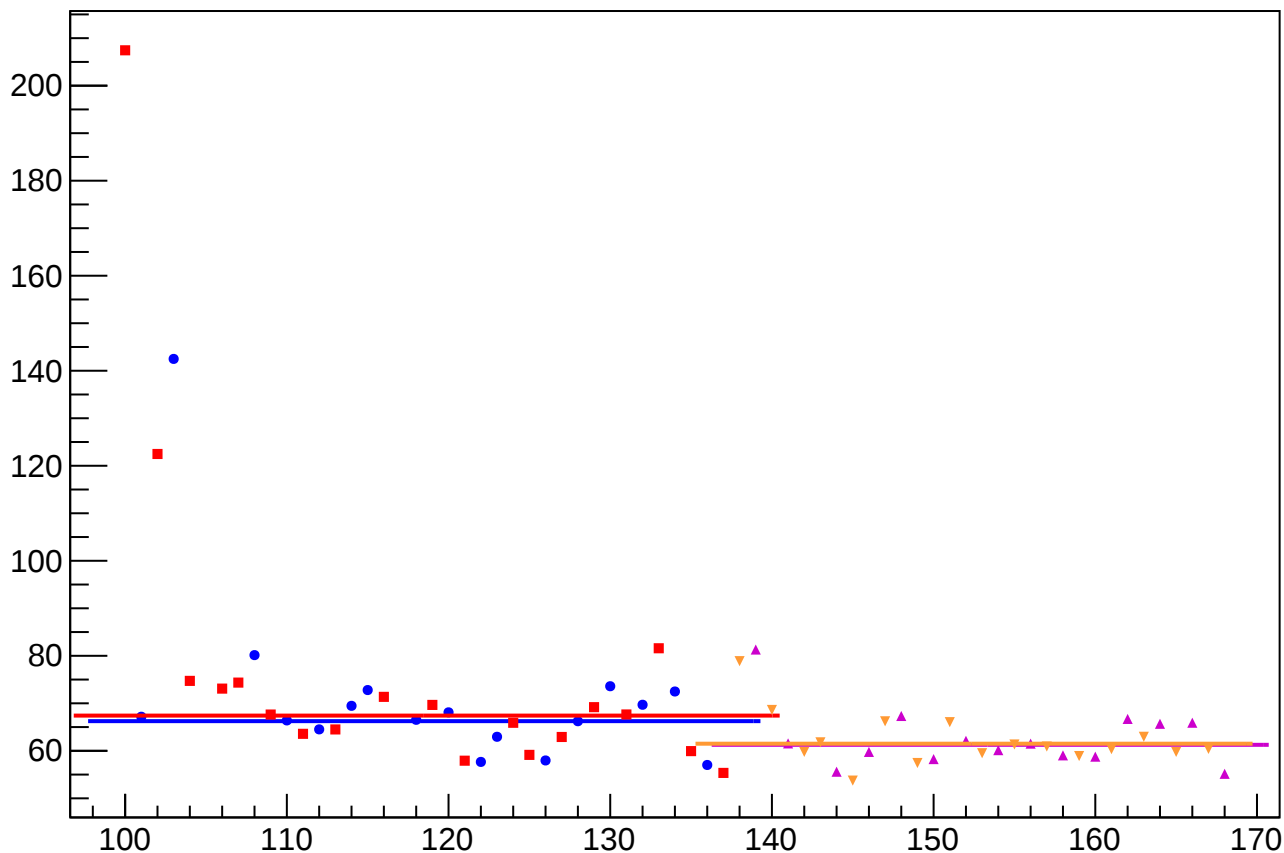
Right: 36.266+/-18.545 χ^2/NDF : 37.5/35

In: 49.812+/-14.877 χ^2/NDF :37.8/31

Out: 40.735+/-14.788 χ^2/NDF :34.0/34

All: 45.246+/-10.488 χ^2/NDF : 72.0/66

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 61.499 $\pm$ 0.013 χ^2 /NDF:149368.3/15

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

Left In: 61.263 $\pm$ 0.013 χ^2 /NDF:171003.5/14

Left: 61.382 $\pm$ 0.009 χ^2 /NDF: 320544.5/30

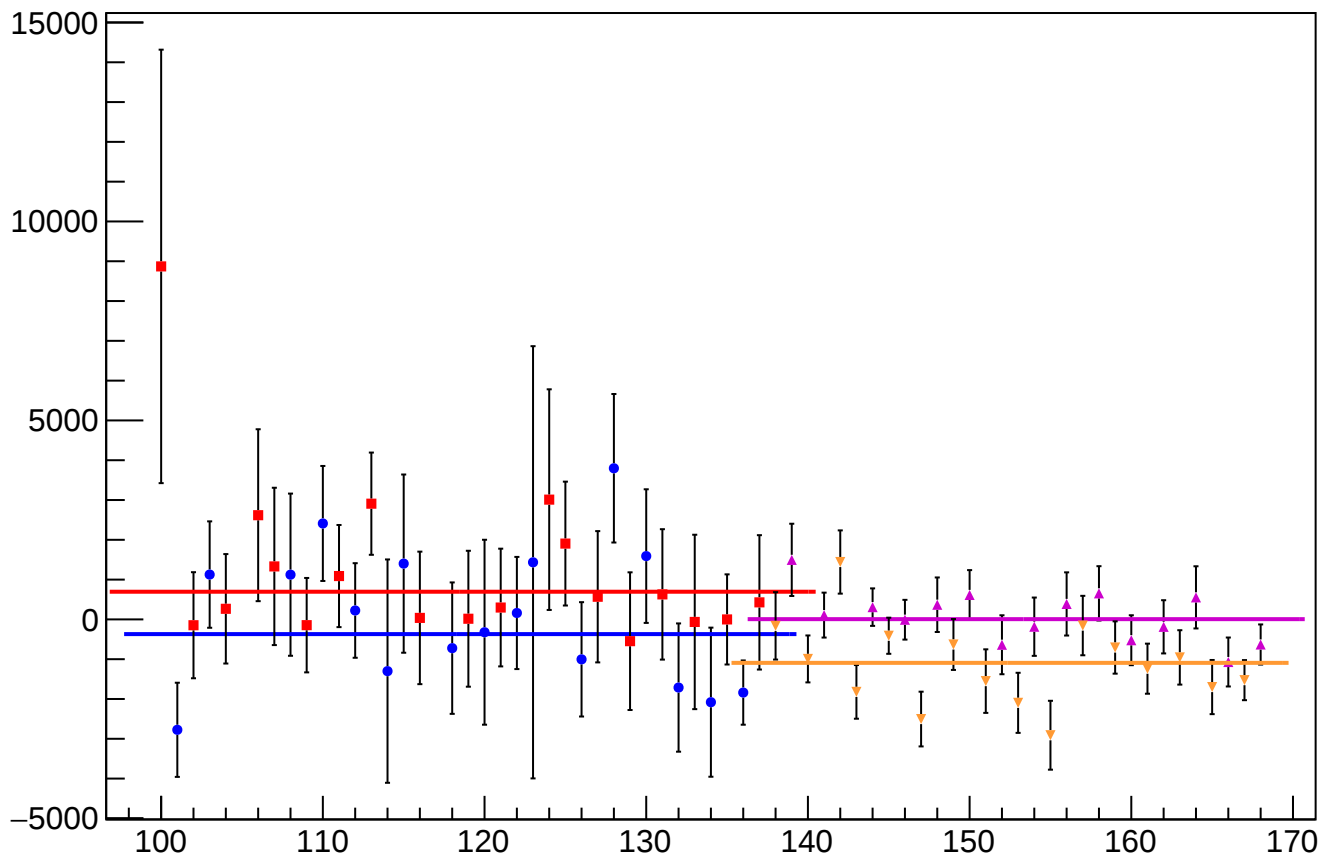
Right: 66.836 $\pm$ 0.013 χ^2 /NDF: 836536.0/35

In: 62.854 $\pm$ 0.011 χ^2 /NDF:660725.6/31

Out: 63.395 $\pm$ 0.010 χ^2 /NDF:612679.8/34

All: 63.126 $\pm$ 0.007 χ^2 /NDF: 1274739.4/66

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546 ± 366.432 χ^2/NDF : 22.3/16

Left Out: -1092.088 ± 164.406 χ^2/NDF : 29.6/15

Right Out: 695.425 ± 361.887 χ^2/NDF : 9.9/18

Left In: 6.238 ± 162.267 χ^2/NDF : 12.3/14

Left: -535.734 ± 115.489 χ^2/NDF : 64.5/30

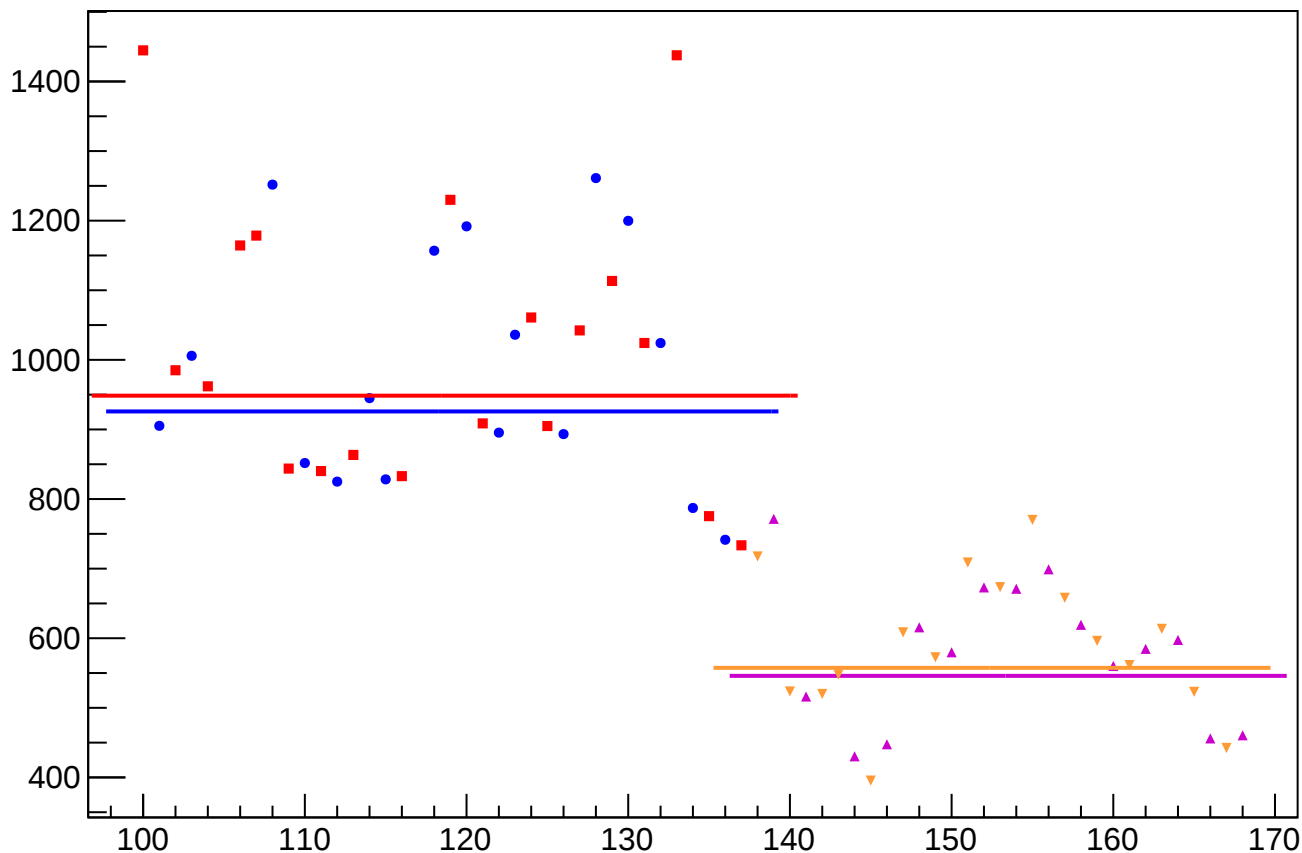
Right: 169.586 ± 257.485 χ^2/NDF : 36.5/35

In: -55.371 ± 148.370 χ^2/NDF : 35.4/31

Out: -786.278 ± 149.684 χ^2/NDF : 59.8/34

All: -417.605 ± 105.375 χ^2/NDF : 107.3/66

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 557.465+/-0.116 χ^2/NDF : 755818.9/15

Right Out: 948.553+/-0.256 χ^2/NDF : 381931.9/18

Left In: 545.946+/-0.115 χ^2/NDF : 684979.2/14

Left: 551.630+/-0.082 χ^2/NDF : 1445772.0/30

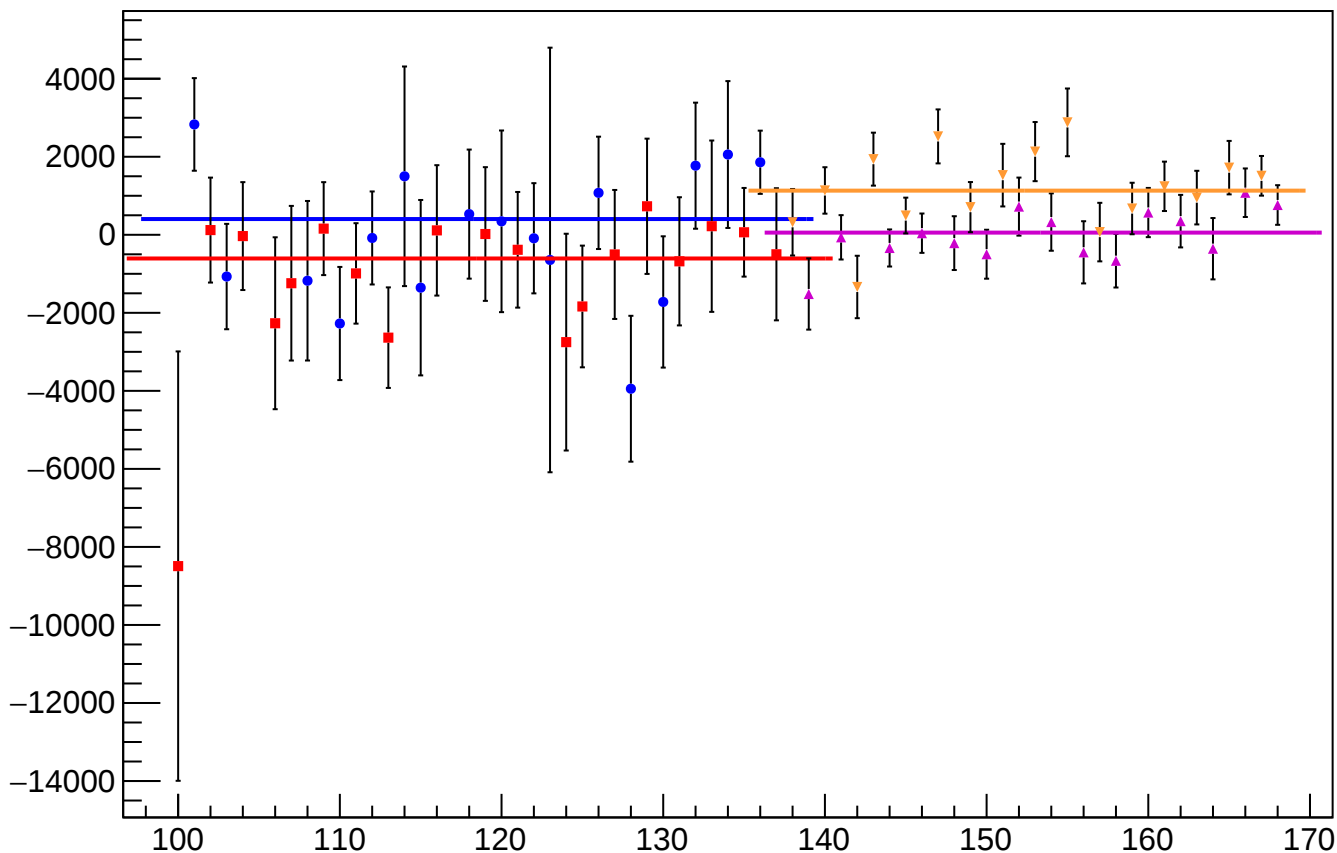
Right: 937.360+/-0.182 χ^2/NDF : 776890.8/35

In: 608.236+/-0.105 χ^2/NDF : 2873705.0/31

Out: 624.373+/-0.106 χ^2/NDF : 3073916.1/34

All: 616.234+/-0.075 χ^2/NDF : 5959345.9/66

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1131.681+/-165.513 χ^2/NDF :28.2/15

Right Out: -607.276+/-363.327 χ^2/NDF : 8.8/18

Left In: 55.765+/-163.394 χ^2/NDF :12.9/14

Left: 586.788+/-116.279 χ^2/NDF : 62.4/30

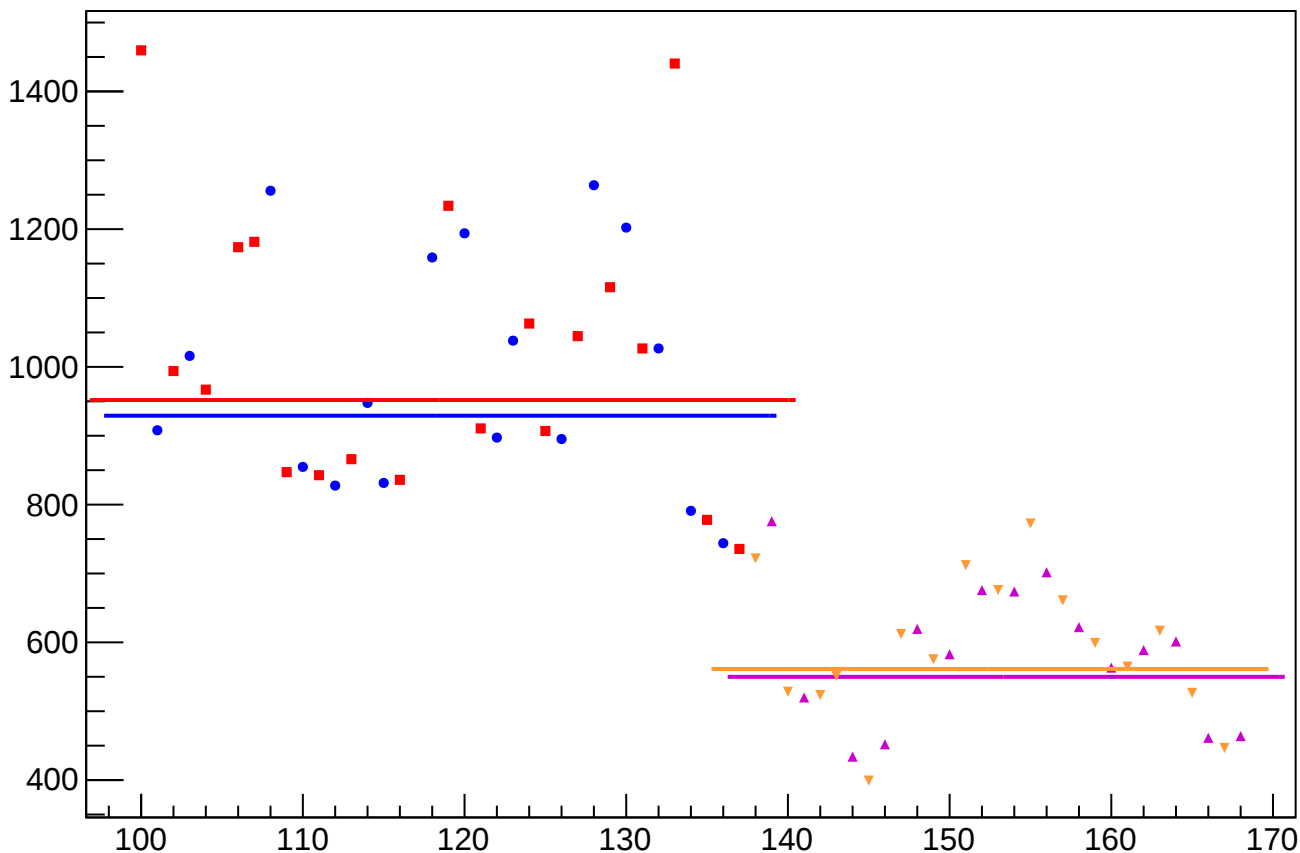
Right: -107.869+/-258.438 χ^2/NDF : 35.1/35

In: 113.125+/-149.314 χ^2/NDF :36.0/31

Out: 832.824+/-150.621 χ^2/NDF :56.0/34

All: 469.839+/-106.040 χ^2/NDF : 103.5/66

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 561.408+/-0.117 χ^2/NDF : 740349.5/15

Right Out: 951.847+/-0.257 χ^2/NDF : 382219.3/18

Left In: 549.911+/-0.116 χ^2/NDF : 671367.6/14

Left: 555.585+/-0.082 χ^2/NDF : 1416604.9/30

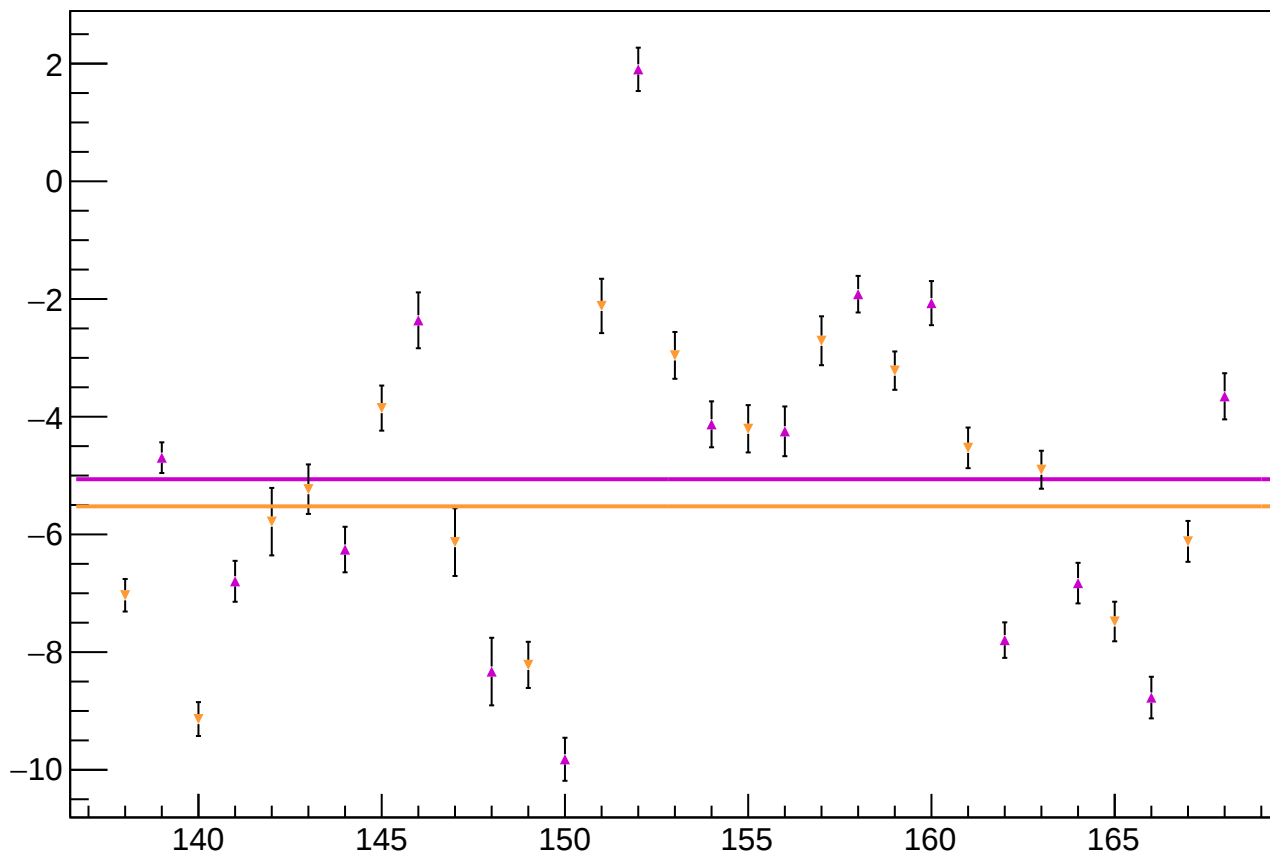
Right: 940.607+/-0.183 χ^2/NDF : 776385.5/35

In: 612.442+/-0.106 χ^2/NDF : 2837947.8/31

Out: 628.509+/-0.107 χ^2/NDF : 3035250.8/34

All: 620.406+/-0.075 χ^2/NDF : 5884675.7/66

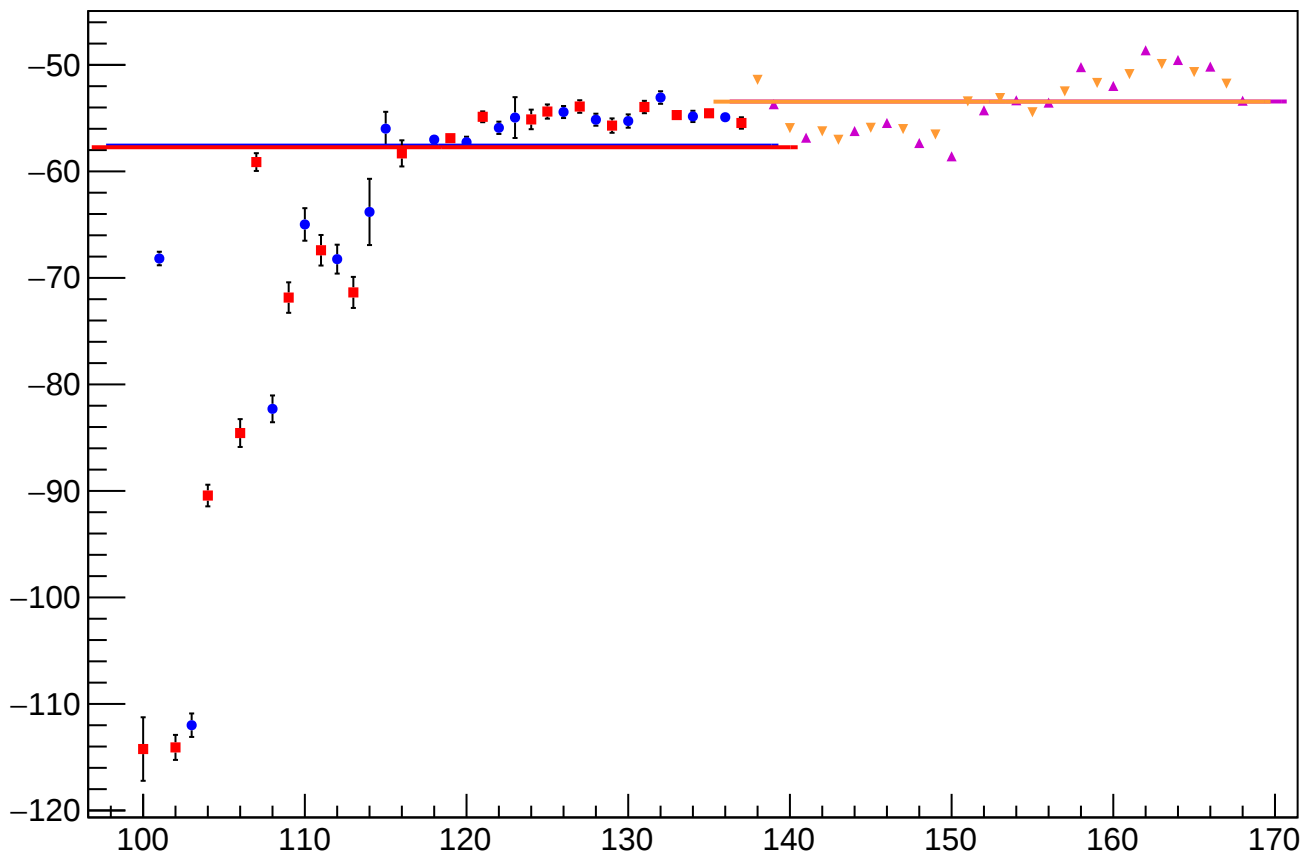
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -5.523 ± 0.092 $\chi^2/\text{NDF}: 506.6/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -5.062 ± 0.093 $\chi^2/\text{NDF}: 1034.8/14$

Left: -5.295 ± 0.065 $\chi^2/\text{NDF}: 1553.8/30$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -5.062 ± 0.093 $\chi^2/\text{NDF}: 1034.8/14$
 Out: -5.523 ± 0.092 $\chi^2/\text{NDF}: 506.6/15$
 All: -5.295 ± 0.065 $\chi^2/\text{NDF}: 1553.8/30$

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581+/-0.143 χ^2/NDF : 3455.5/16

Left Out: -53.452+/-0.069 χ^2/NDF : 1168.2/15

Right Out: -57.732+/-0.143 χ^2/NDF : 4698.5/18

Left In: -53.437+/-0.071 χ^2/NDF : 1880.7/14

Left: -53.445+/-0.050 χ^2/NDF : 3049.0/30

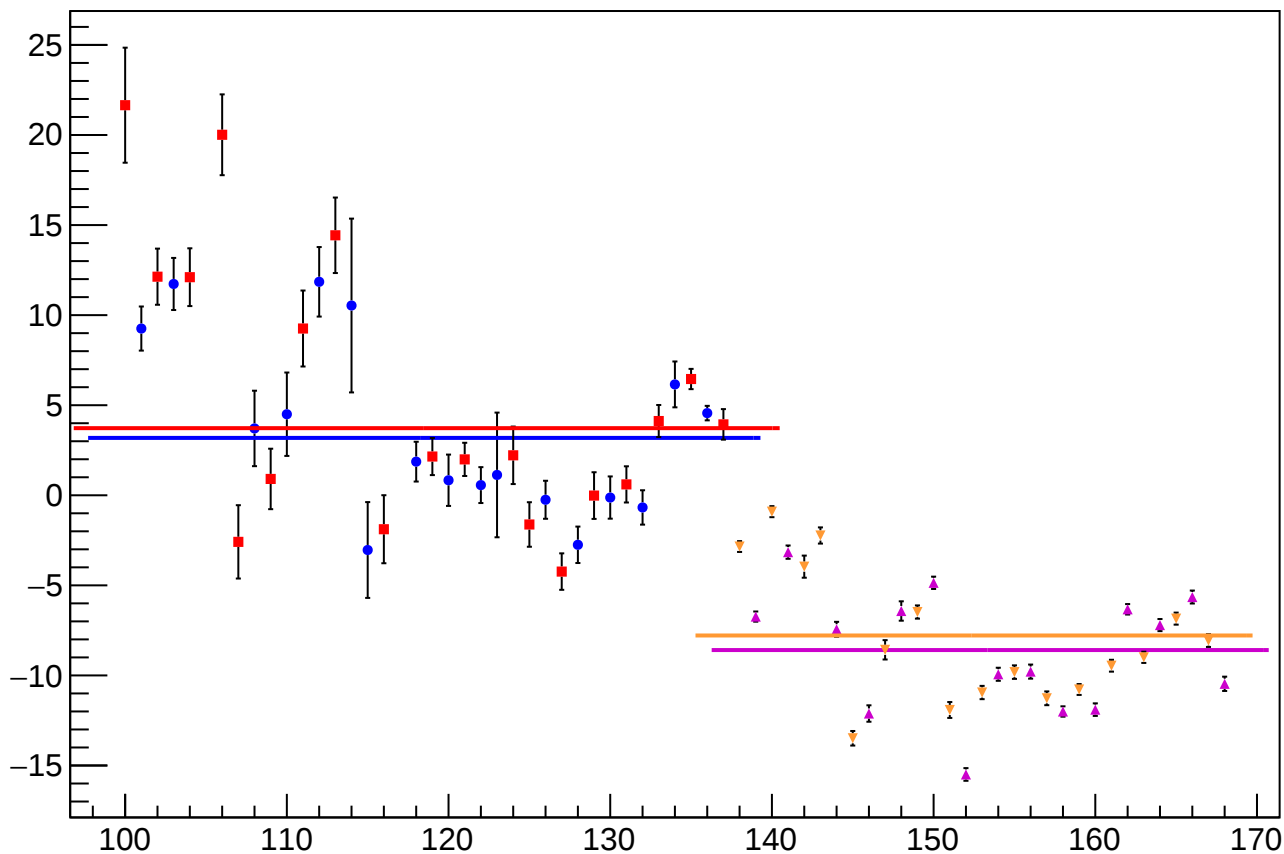
Right: -57.657+/-0.101 χ^2/NDF : 8154.5/35

In: -54.265+/-0.064 χ^2/NDF : 6007.8/31

Out: -54.262+/-0.062 χ^2/NDF : 6593.4/34

All: -54.263+/-0.045 χ^2/NDF : 12601.2/66

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.783 ± 0.091 χ^2/NDF : 1599.3/15

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

Left In: -8.592 ± 0.091 χ^2/NDF : 1267.4/14

Left: -8.187 ± 0.065 χ^2/NDF : 2905.9/30

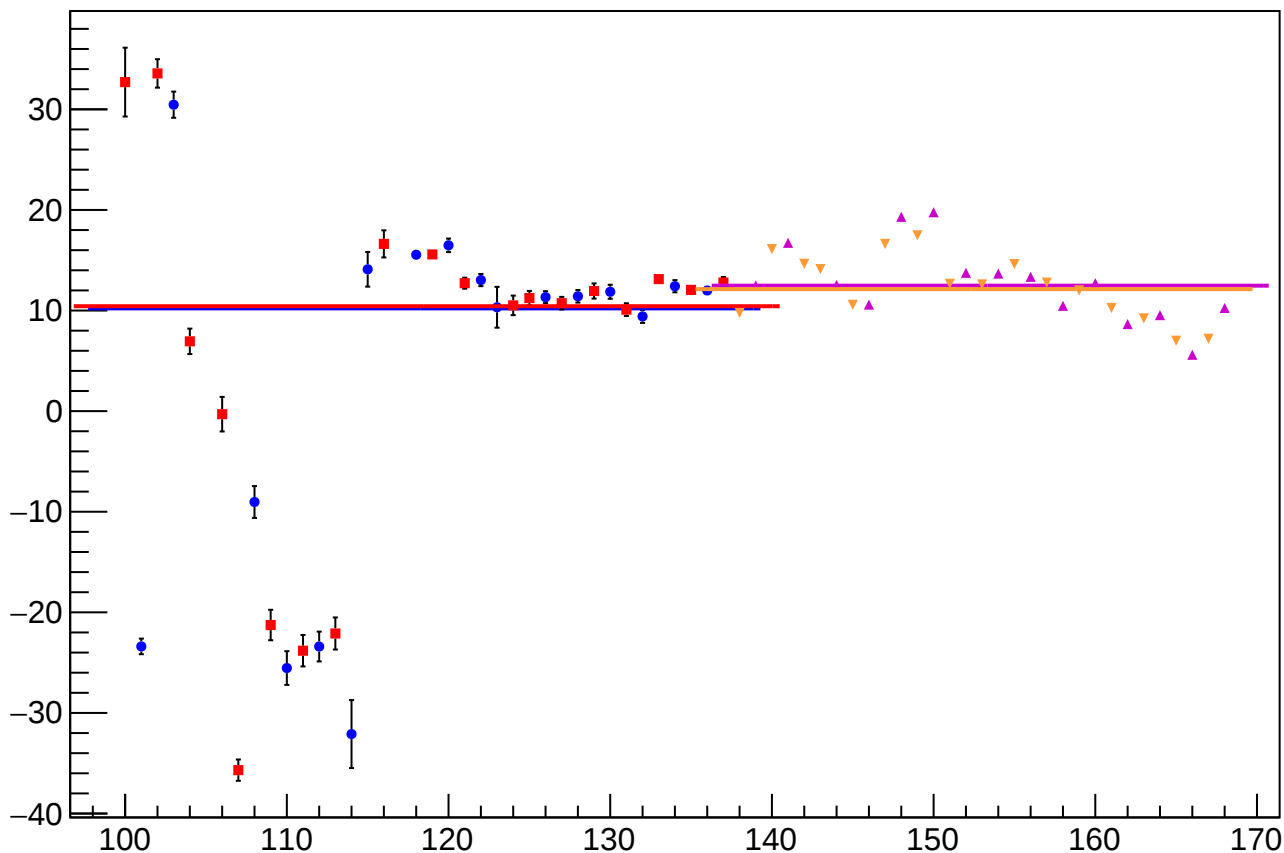
Right: 3.447 ± 0.186 χ^2/NDF : 512.0/35

In: -7.288 ± 0.086 χ^2/NDF : 3292.0/31

Out: -6.583 ± 0.086 χ^2/NDF : 3581.1/34

All: -6.937 ± 0.061 χ^2/NDF : 6906.5/66

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 12.127 $\pm$ 0.079 χ^2 /NDF:1510.0/15

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

Left In: 12.472 $\pm$ 0.081 χ^2 /NDF:2039.2/14

Left: 12.295 $\pm$ 0.056 χ^2 /NDF: 3558.6/30

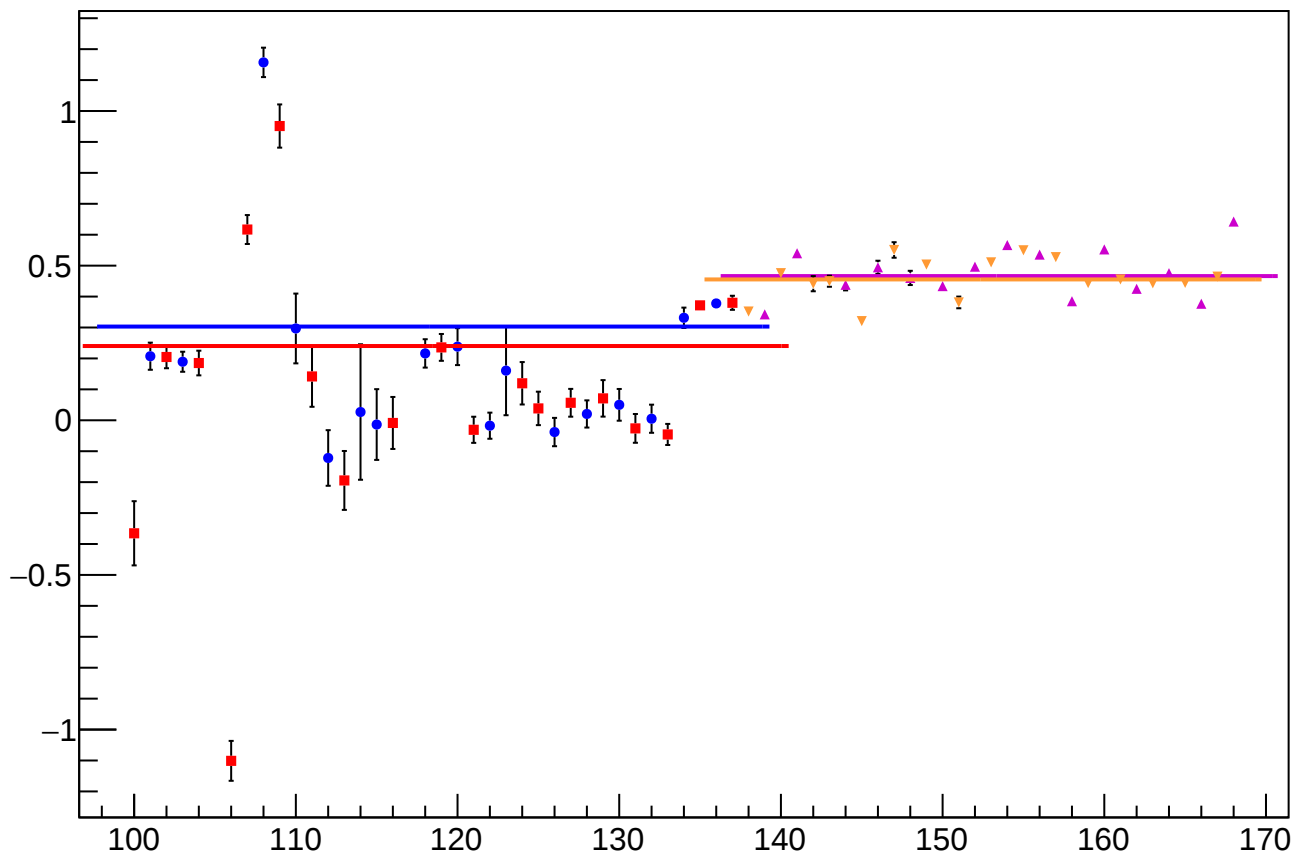
Right: 10.321 $\pm$ 0.112 χ^2 /NDF: 7520.5/35

In: 12.007 $\pm$ 0.072 χ^2 /NDF:5893.7/31

Out: 11.798 $\pm$ 0.071 χ^2 /NDF:5427.5/34

All: 11.901 $\pm$ 0.050 χ^2 /NDF: 11325.6/66

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.455 $\pm$ 0.004 χ^2 /NDF:300.1/15

Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.4/18

Left In: 0.466 $\pm$ 0.004 χ^2 /NDF:576.7/14

Left: 0.461 $\pm$ 0.002 χ^2 /NDF: 881.6/30

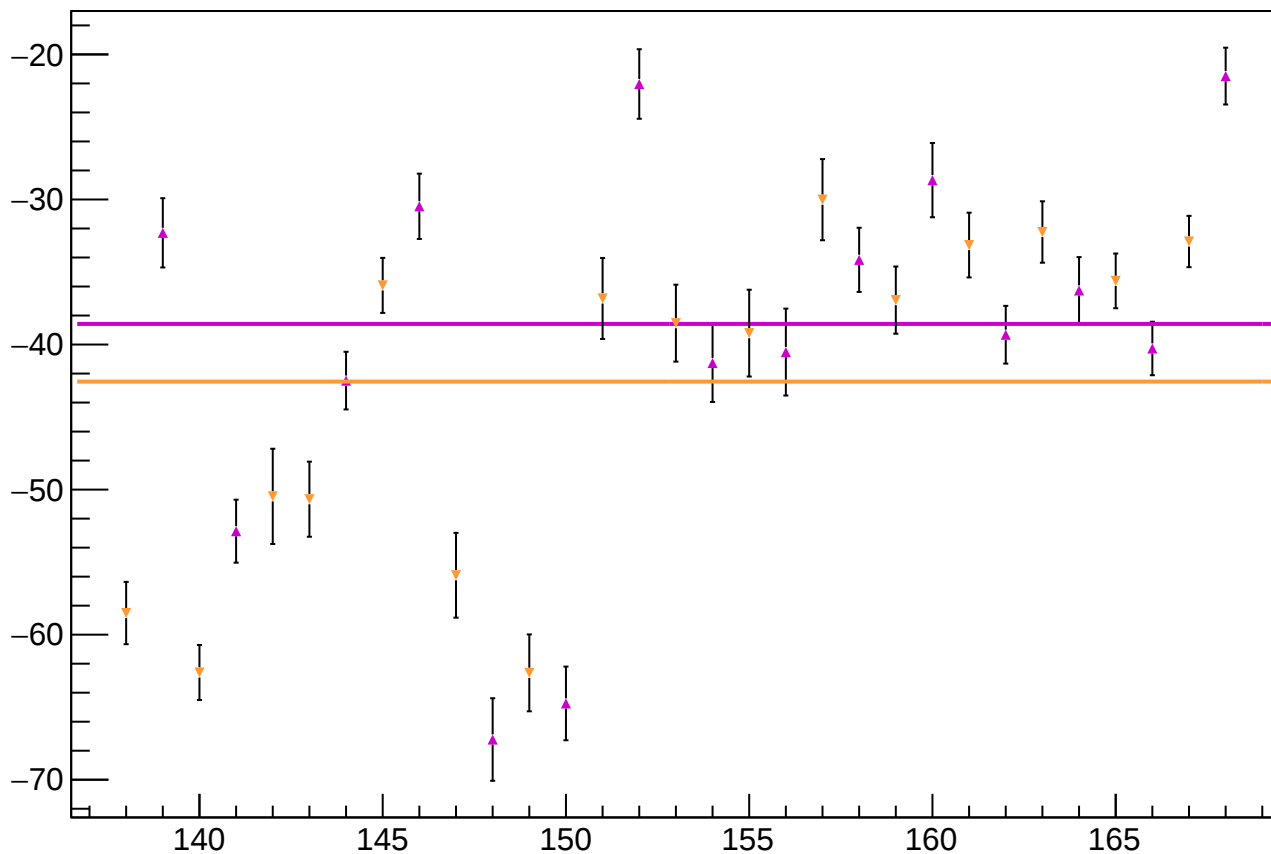
Right: 0.273 $\pm$ 0.006 χ^2 /NDF: 1658.9/35

In: 0.441 $\pm$ 0.003 χ^2 /NDF:1556.4/31

Out: 0.424 $\pm$ 0.003 χ^2 /NDF:1828.3/34

All: 0.432 $\pm$ 0.002 χ^2 /NDF: 3398.5/66

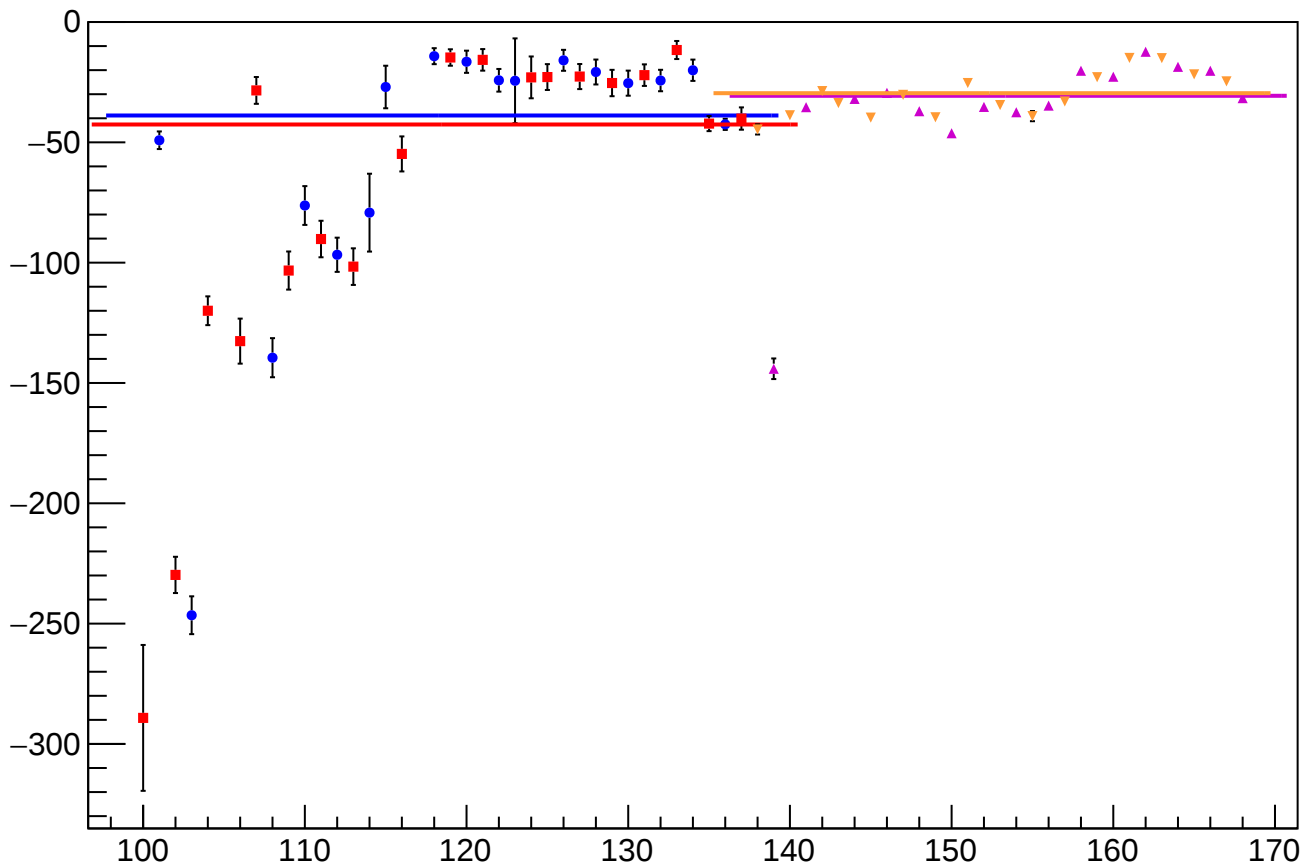
reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -42.552+/-0.578 χ^2/NDF :391.8/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -38.579+/-0.588 χ^2/NDF :420.7/14

Left: -40.600+/-0.412 χ^2/NDF : 835.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -38.579+/-0.588 χ^2/NDF :420.7/14
 Out: -42.552+/-0.578 χ^2/NDF :391.8/15
 All: -40.600+/-0.412 χ^2/NDF : 835.8/30

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -29.575 ± 0.421 χ^2/NDF : 430.0/15

Right Out: -42.586 ± 1.210 χ^2/NDF : 1345.7/18

Left In: -30.658 ± 0.431 χ^2/NDF : 1122.1/14

Left: -30.103 ± 0.301 χ^2/NDF : 1555.3/30

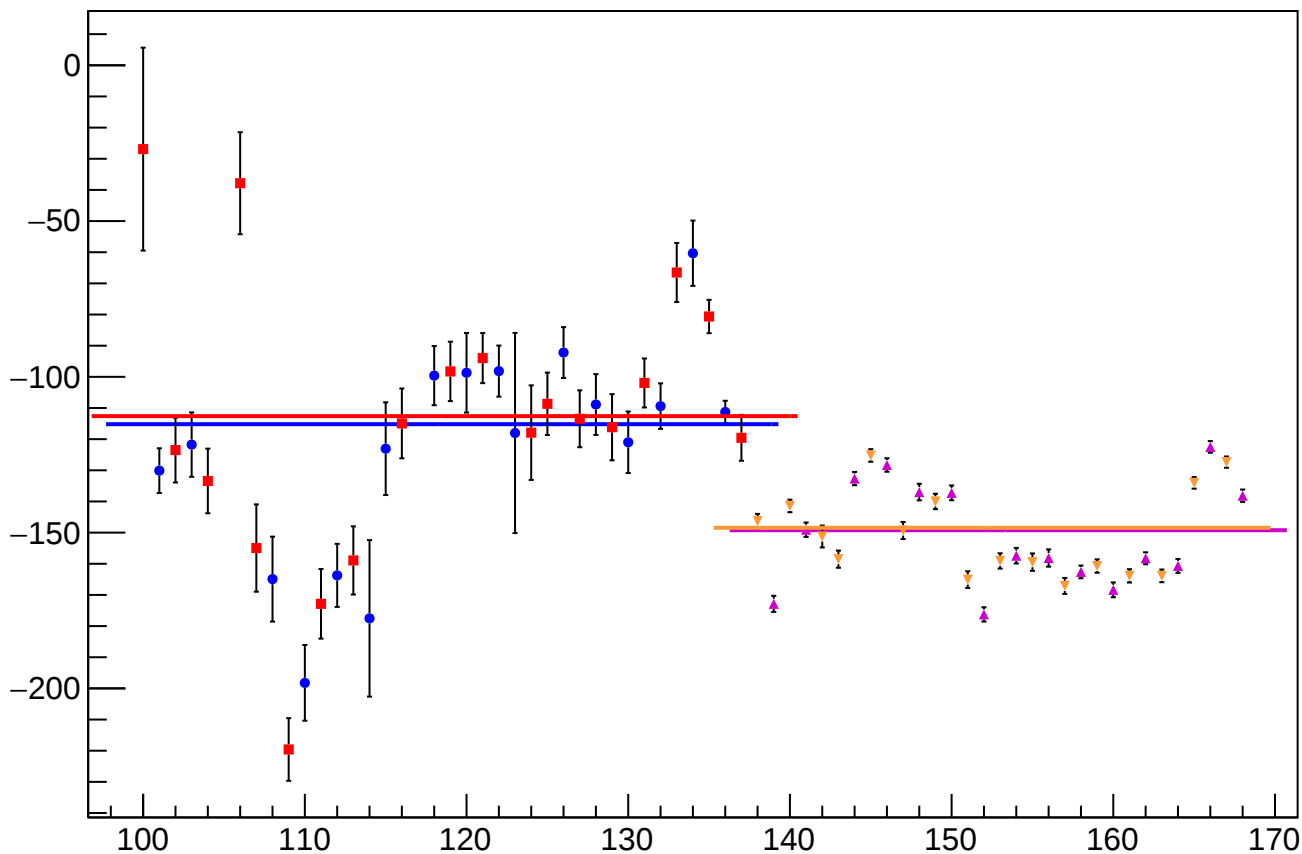
Right: -40.617 ± 0.833 χ^2/NDF : 2472.6/35

In: -31.671 ± 0.404 χ^2/NDF : 2288.6/31

Out: -30.978 ± 0.397 χ^2/NDF : 1878.8/34

All: -31.319 ± 0.283 χ^2/NDF : 4168.8/66

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 $\pm$ 2.081 χ^2 /NDF: 140.8/16

Left Out: -148.446 $\pm$ 0.574 χ^2 /NDF: 633.9/15

Right Out: -112.611 $\pm$ 2.209 χ^2 /NDF: 272.4/18

Left In: -149.226 $\pm$ 0.577 χ^2 /NDF: 835.6/14

Left: -148.834 $\pm$ 0.407 χ^2 /NDF: 1470.4/30

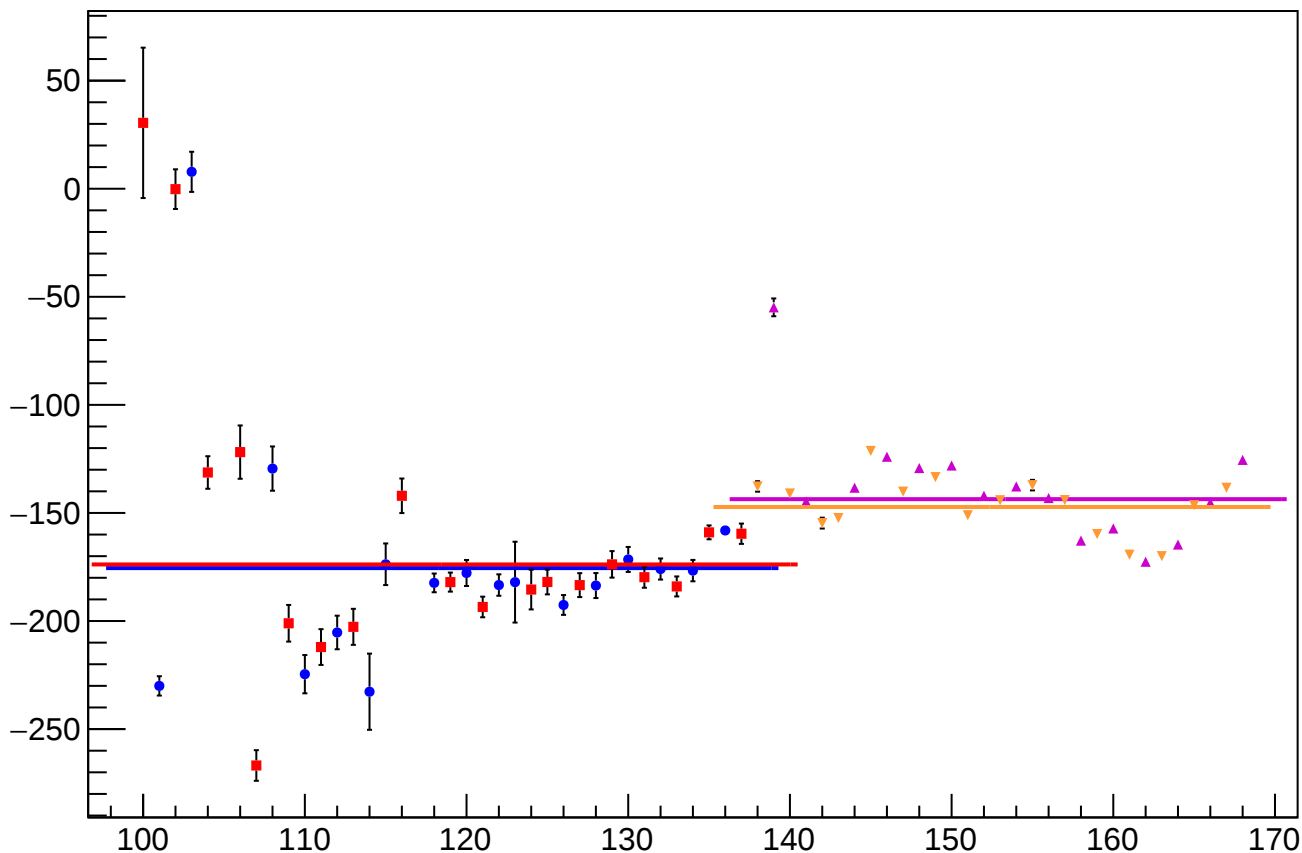
Right: -113.982 $\pm$ 1.515 χ^2 /NDF: 413.9/35

In: -146.794 $\pm$ 0.556 χ^2 /NDF: 1224.5/31

Out: -146.181 $\pm$ 0.555 χ^2 /NDF: 1152.7/34

All: -146.487 $\pm$ 0.393 χ^2 /NDF: 2377.9/66

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -147.244 ± 0.484 χ^2/NDF : 782.4/15

Right Out: -173.830 ± 1.357 χ^2/NDF : 737.9/18

Left In: -143.617 ± 0.497 χ^2/NDF : 1425.7/14

Left: -145.476 ± 0.347 χ^2/NDF : 2235.4/30

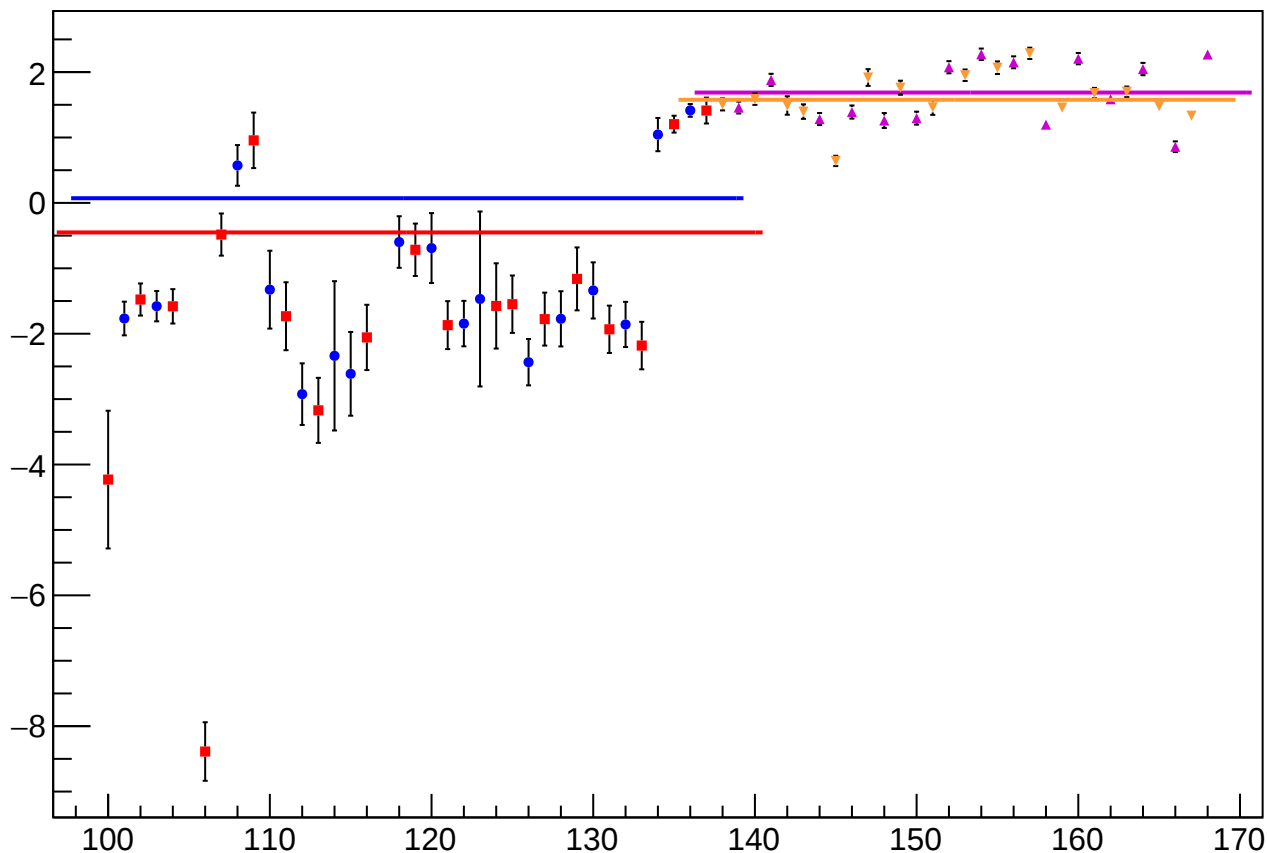
Right: -174.726 ± 0.930 χ^2/NDF : 1431.0/35

In: -147.808 ± 0.463 χ^2/NDF : 2660.1/31

Out: -150.251 ± 0.456 χ^2/NDF : 1861.0/34

All: -149.047 ± 0.325 χ^2/NDF : 4535.2/66

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 $\chi^2/\text{NDF}: 525.2/16$

Left Out: 1.577 ± 0.023 $\chi^2/\text{NDF}: 284.0/15$

Right Out: -0.451 ± 0.071 $\chi^2/\text{NDF}: 751.3/18$

Left In: 1.687 ± 0.023 $\chi^2/\text{NDF}: 414.1/14$

Left: 1.631 ± 0.016 $\chi^2/\text{NDF}: 710.0/30$

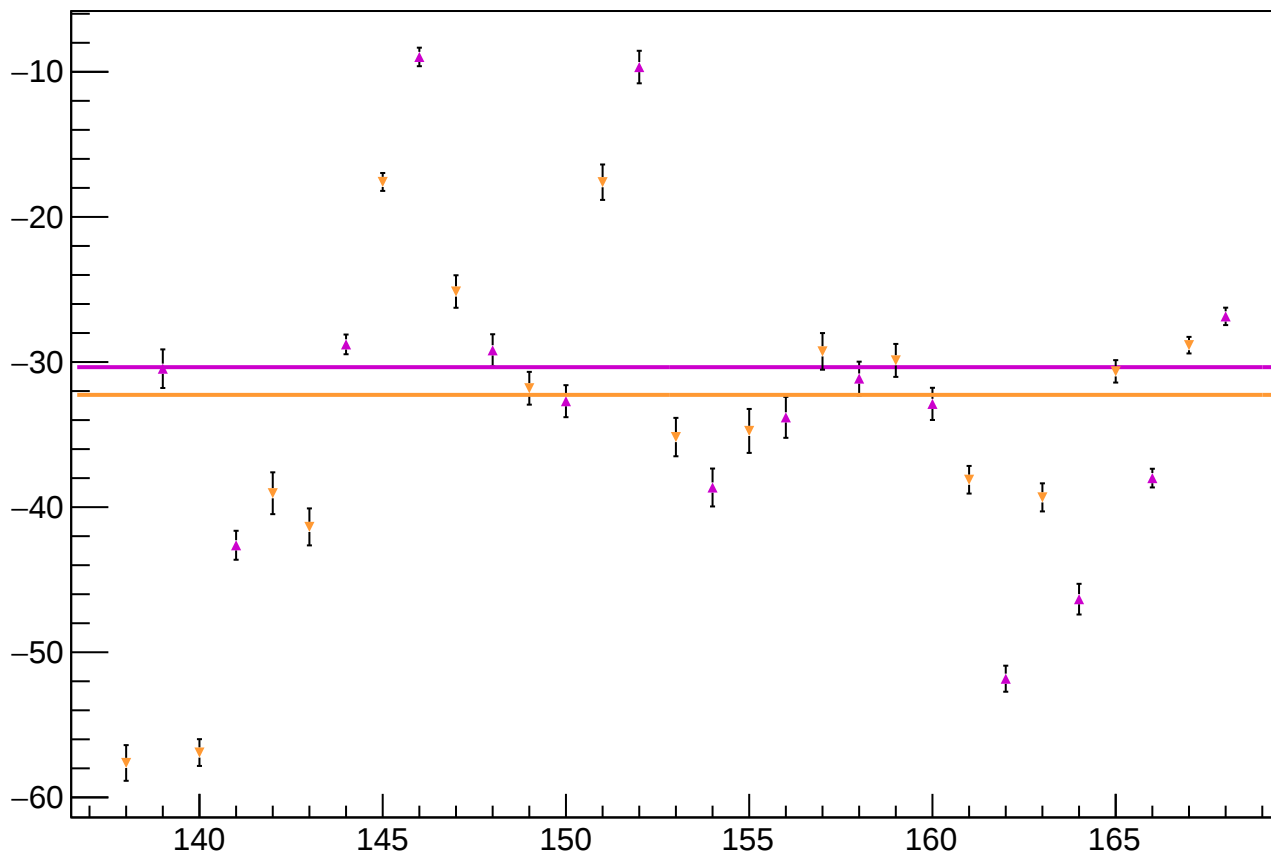
Right: -0.174 ± 0.049 $\chi^2/\text{NDF}: 1305.0/35$

In: 1.520 ± 0.022 $\chi^2/\text{NDF}: 1458.5/31$

Out: 1.392 ± 0.022 $\chi^2/\text{NDF}: 1770.1/34$

All: 1.456 ± 0.015 $\chi^2/\text{NDF}: 3246.3/66$

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.262 $\pm$ 0.242 χ^2/NDF :2111.5/15

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

Left In: -30.353 $\pm$ 0.232 χ^2/NDF :2651.2/14

Left: -31.269 $\pm$ 0.167 χ^2/NDF : 4795.1/30

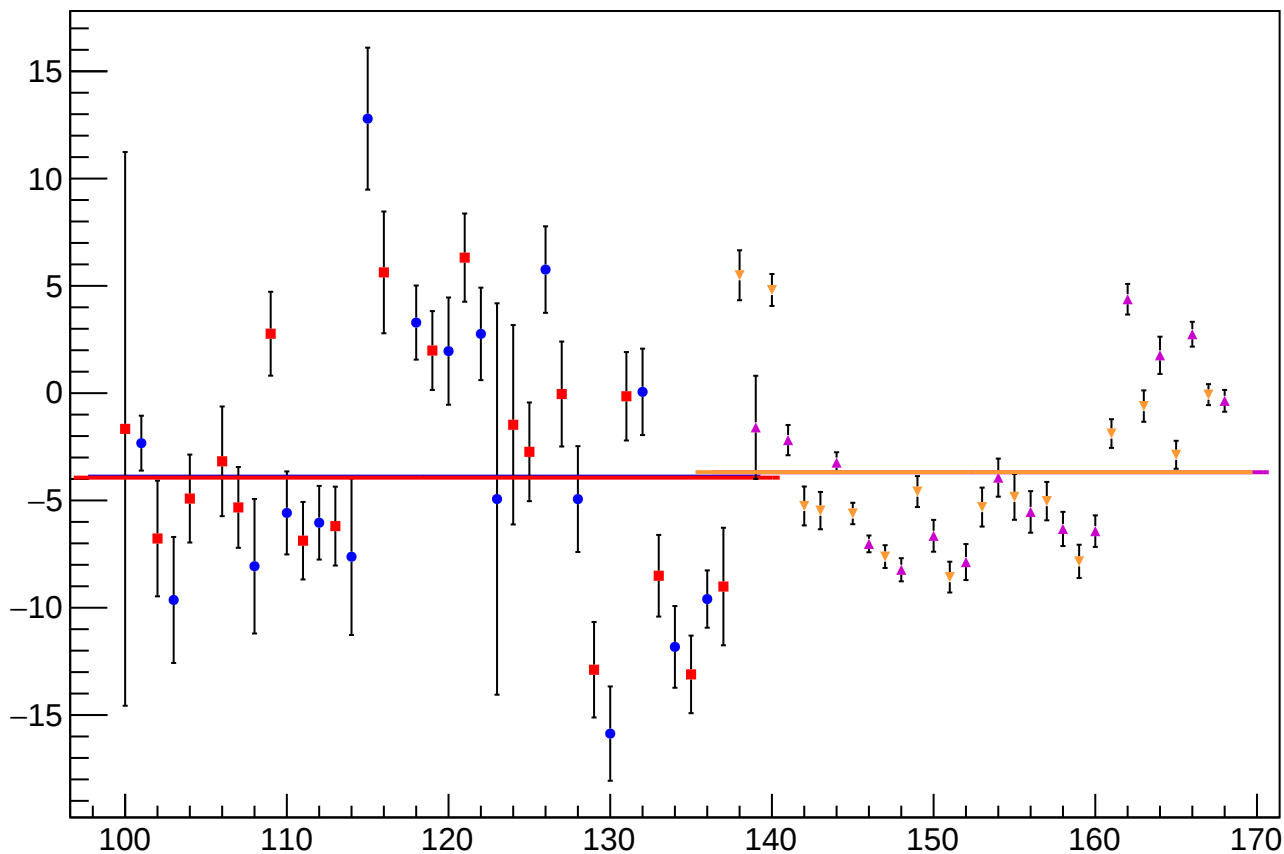
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -30.353 $\pm$ 0.232 χ^2/NDF :2651.2/14

Out: -32.262 $\pm$ 0.242 χ^2/NDF :2111.5/15

All: -31.269 $\pm$ 0.167 χ^2/NDF : 4795.1/30

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -3.682 ± 0.176 χ^2/NDF : 433.7/15

Right Out: -3.937 ± 0.507 χ^2/NDF : 122.2/18

Left In: -3.686 ± 0.168 χ^2/NDF : 553.2/14

Left: -3.684 ± 0.121 χ^2/NDF : 986.9/30

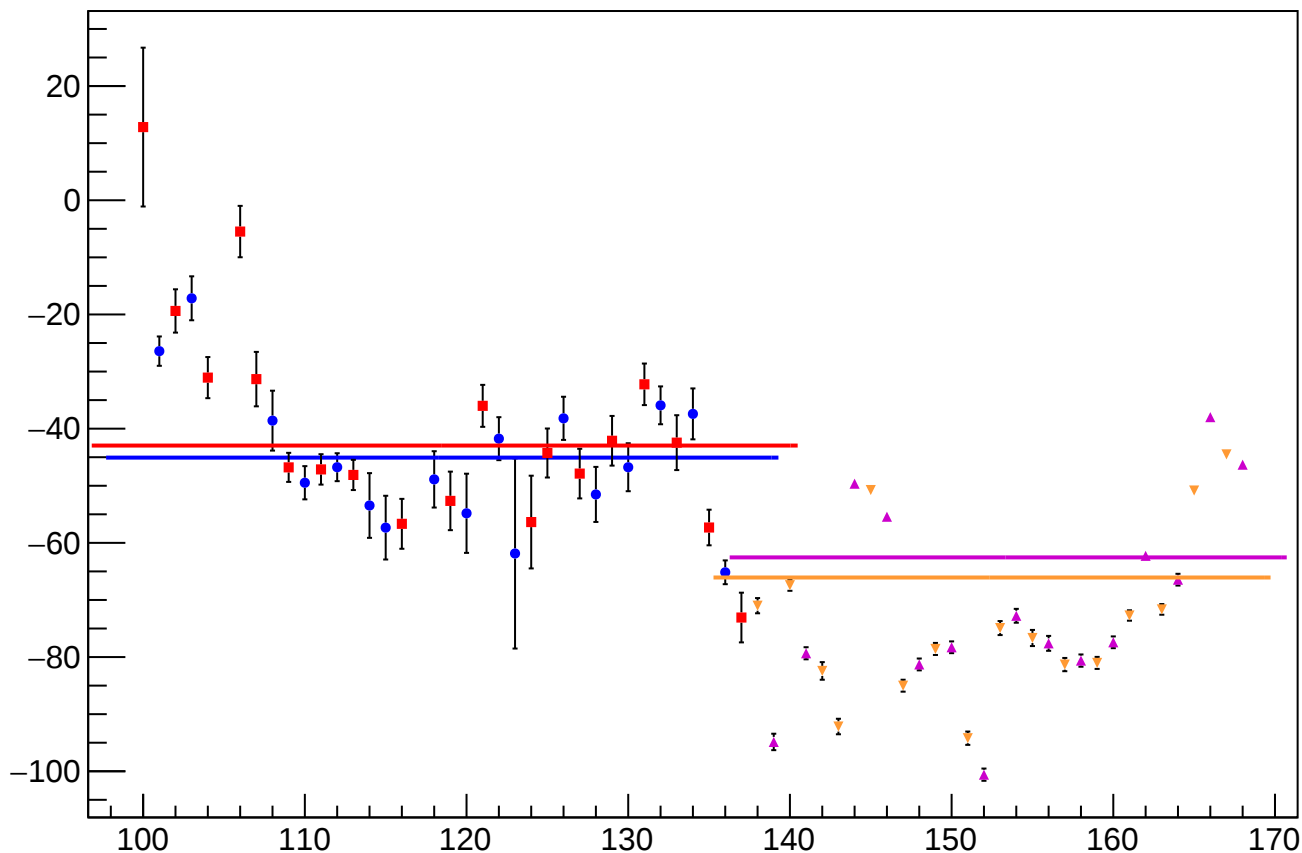
Right: -3.913 ± 0.355 χ^2/NDF : 282.6/35

In: -3.706 ± 0.159 χ^2/NDF : 713.8/31

Out: -3.710 ± 0.167 χ^2/NDF : 556.0/34

All: -3.708 ± 0.115 χ^2/NDF : 1269.9/66

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: -66.066 ± 0.241 $\chi^2/\text{NDF}: 4417.7/15$

Right Out: -42.959 ± 0.878 $\chi^2/\text{NDF}: 248.3/18$

Left In: -62.546 ± 0.229 $\chi^2/\text{NDF}: 5849.2/14$

Left: -64.218 ± 0.166 $\chi^2/\text{NDF}: 10379.0/30$

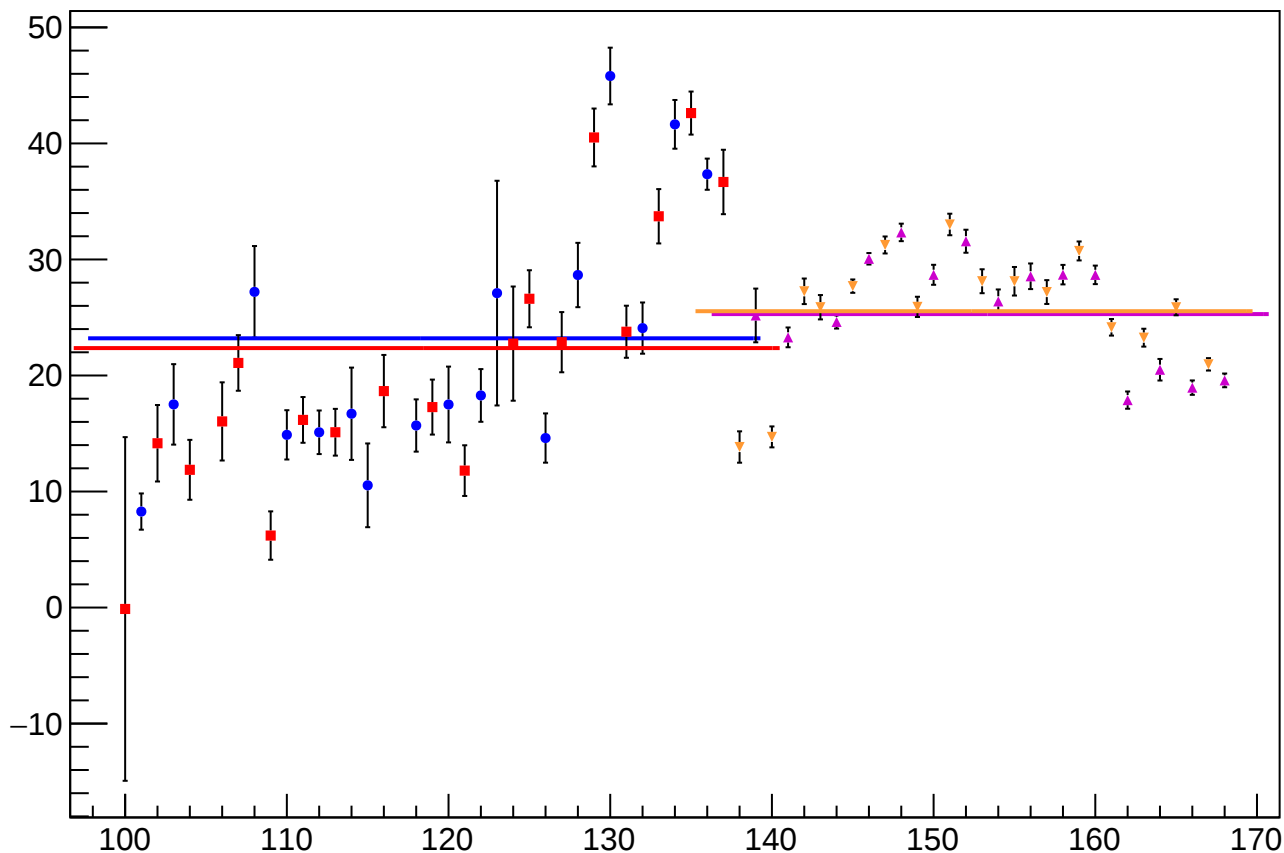
Right: -44.008 ± 0.623 $\chi^2/\text{NDF}: 480.9/35$

In: -61.443 ± 0.222 $\chi^2/\text{NDF}: 6445.7/31$

Out: -64.447 ± 0.232 $\chi^2/\text{NDF}: 5310.3/34$

All: -62.875 ± 0.160 $\chi^2/\text{NDF}: 11843.4/66$

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: 25.541 $\pm$ 0.204 χ^2/NDF :501.1/15

Right Out: 22.361 $\pm$ 0.573 χ^2/NDF : 366.9/18

Left In: 25.292 $\pm$ 0.196 χ^2/NDF :610.2/14

Left: 25.412 $\pm$ 0.141 χ^2/NDF : 1112.1/30

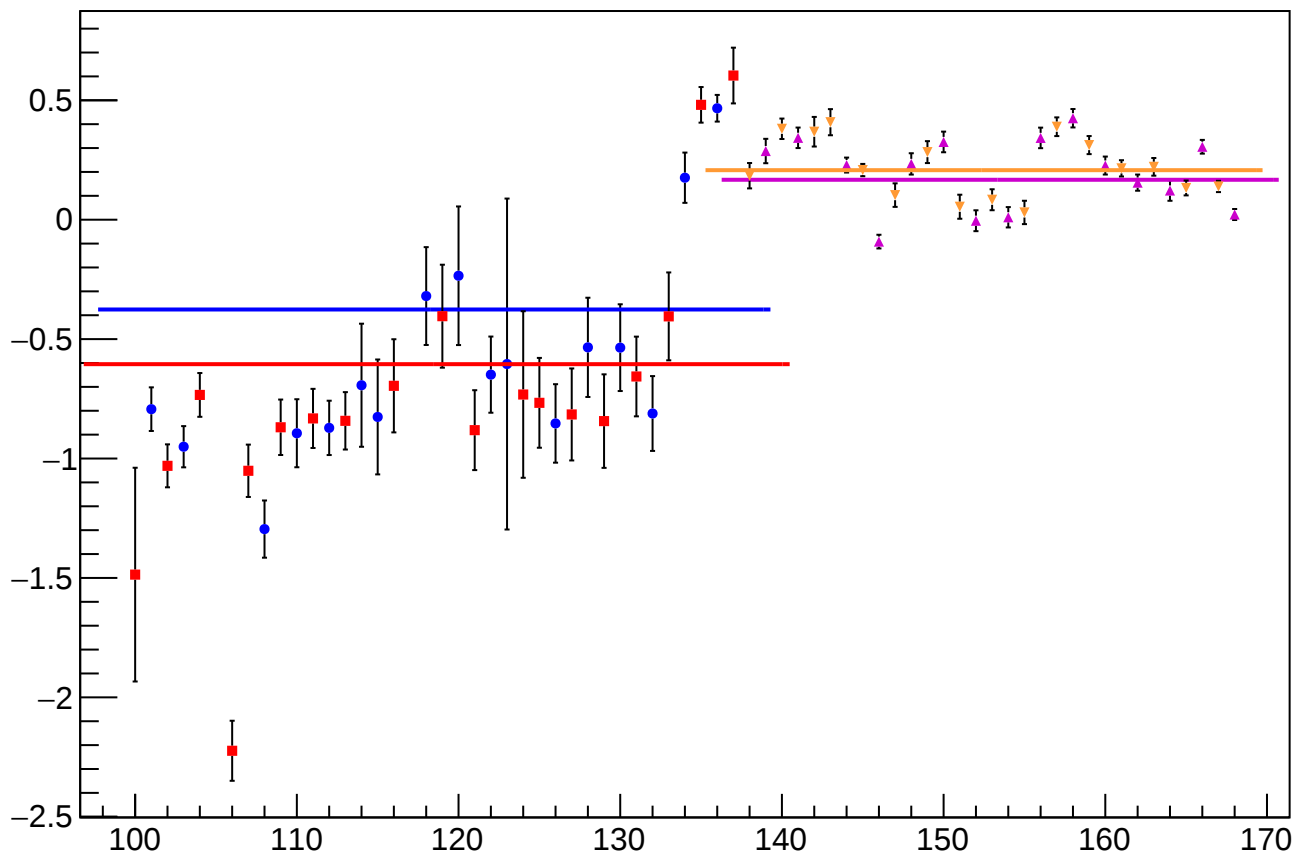
Right: 22.793 $\pm$ 0.400 χ^2/NDF : 825.2/35

In: 25.063 $\pm$ 0.185 χ^2/NDF :1079.9/31

Out: 25.184 $\pm$ 0.192 χ^2/NDF :895.3/34

All: 25.121 $\pm$ 0.133 χ^2/NDF : 1975.4/66

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 χ^2/NDF : 437.3/16

Left Out: 0.207 ± 0.010 χ^2/NDF : 117.9/15

Right Out: -0.605 ± 0.030 χ^2/NDF : 551.1/18

Left In: 0.167 ± 0.009 χ^2/NDF : 280.3/14

Left: 0.187 ± 0.007 χ^2/NDF : 407.4/30

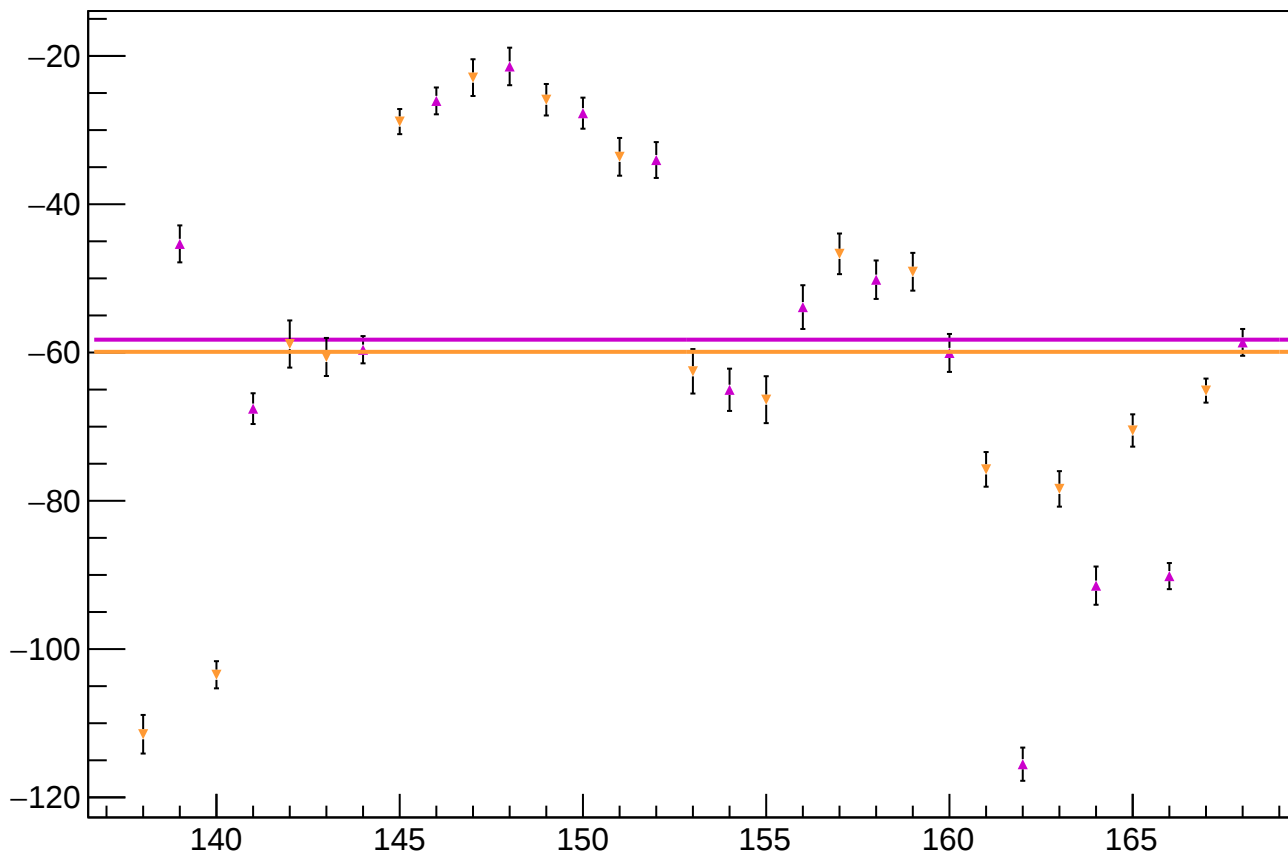
Right: -0.490 ± 0.021 χ^2/NDF : 1017.2/35

In: 0.120 ± 0.009 χ^2/NDF : 1014.7/31

Out: 0.134 ± 0.009 χ^2/NDF : 1325.9/34

All: 0.127 ± 0.006 χ^2/NDF : 2341.8/66

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



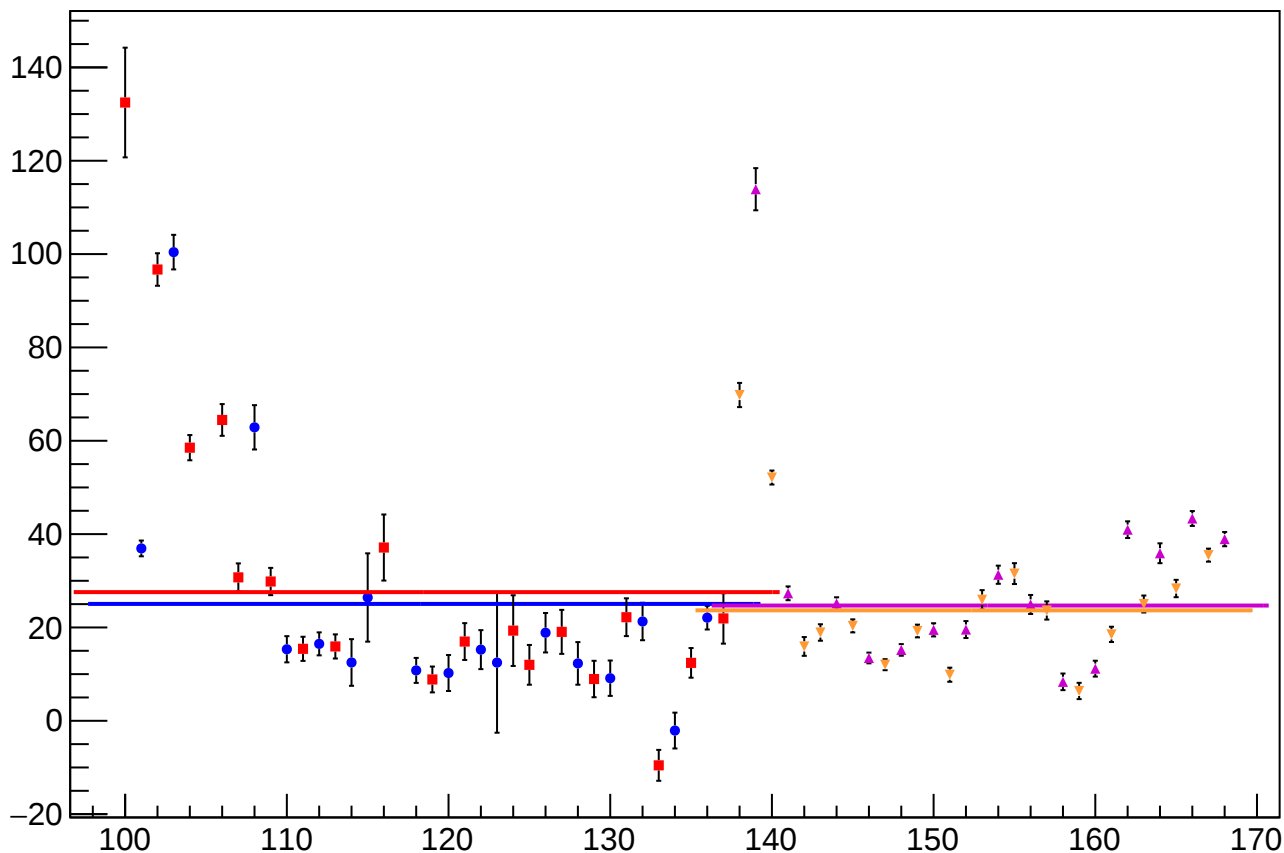
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -59.908+/-0.575 χ^2/NDF :2064.5/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -58.267+/-0.571 χ^2/NDF :2053.9/14

Left: -59.083+/-0.405 χ^2/NDF : 4122.6/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -58.267+/-0.571 χ^2/NDF :2053.9/14
 Out: -59.908+/-0.575 χ^2/NDF :2064.5/15

All: -59.083+/-0.405 χ^2/NDF : 4122.6/30

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 23.666 $\pm$ 0.413 χ^2 /NDF:1095.1/15

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

Left In: 24.696 $\pm$ 0.415 χ^2 /NDF:1061.2/14

Left: 24.178 $\pm$ 0.293 χ^2 /NDF: 2159.4/30

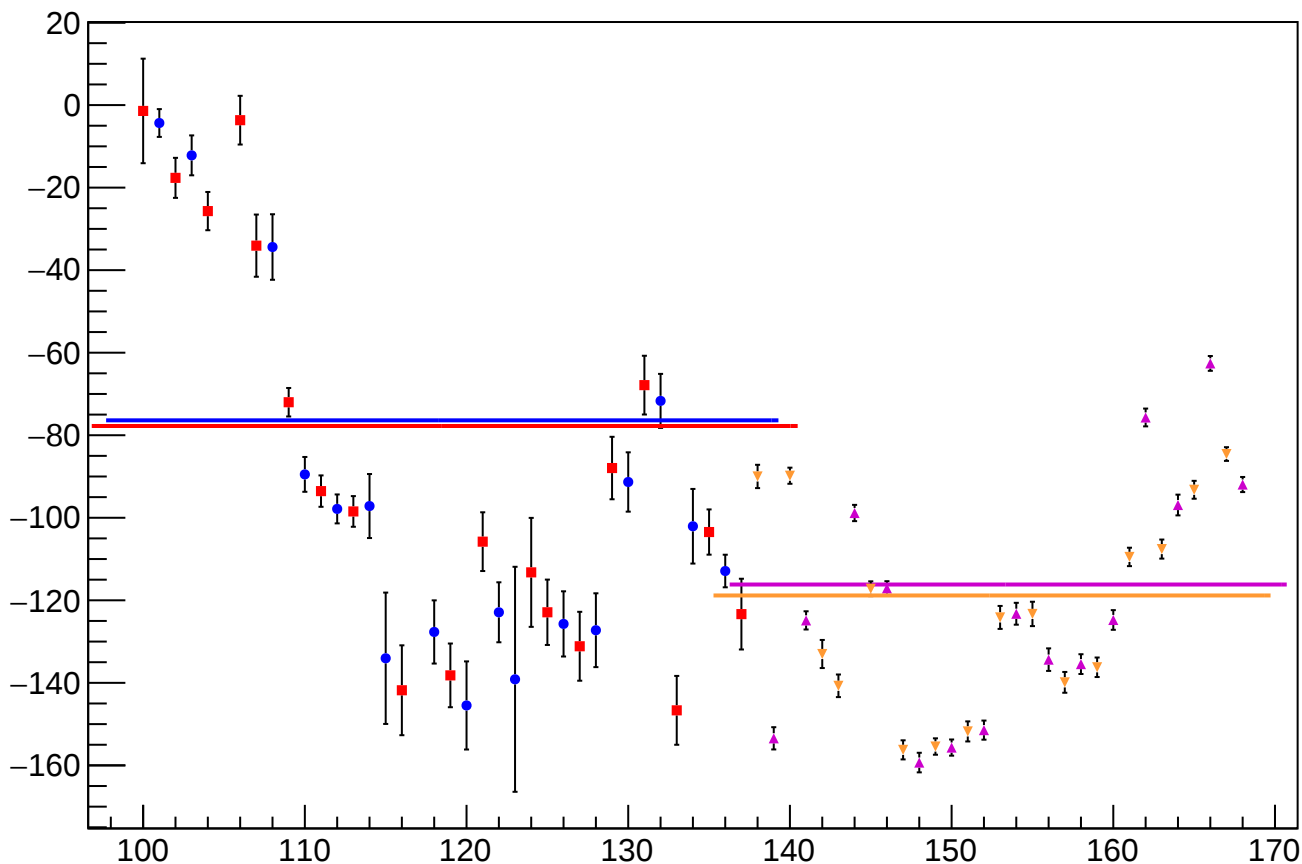
Right: 26.303 $\pm$ 0.571 χ^2 /NDF: 1704.1/35

In: 24.769 $\pm$ 0.369 χ^2 /NDF:1747.8/31

Out: 24.472 $\pm$ 0.368 χ^2 /NDF:2126.3/34

All: 24.620 $\pm$ 0.261 χ^2 /NDF: 3874.5/66

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: -118.827 ± 0.571 $\chi^2/\text{NDF}: 1928.5/15$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

Left In: -116.174 ± 0.562 $\chi^2/\text{NDF}: 2861.0/14$

Left: -117.480 ± 0.400 $\chi^2/\text{NDF}: 4800.5/30$

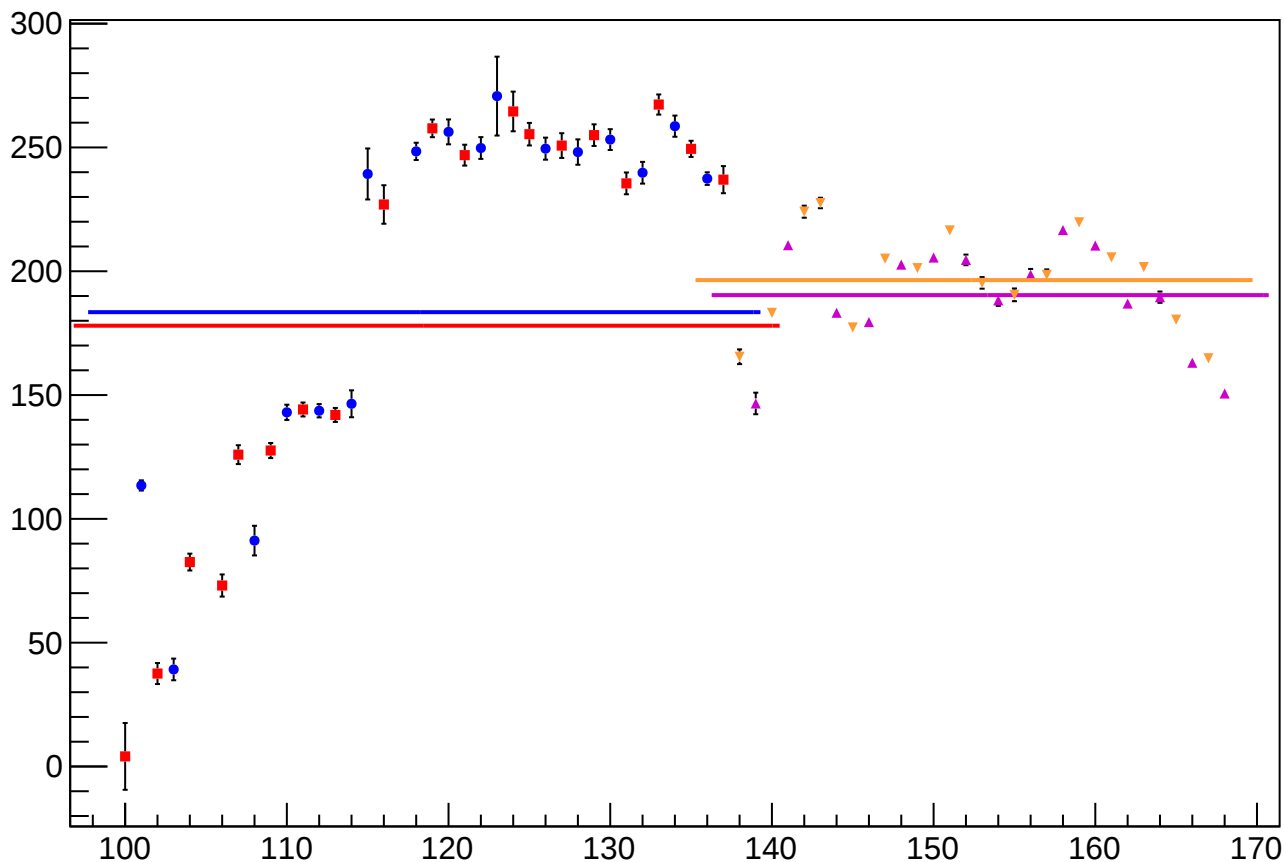
Right: -77.108 ± 0.978 $\chi^2/\text{NDF}: 1905.1/35$

In: -110.760 ± 0.522 $\chi^2/\text{NDF}: 4574.6/31$

Out: -112.626 ± 0.526 $\chi^2/\text{NDF}: 3583.5/34$

All: -111.687 ± 0.371 $\chi^2/\text{NDF}: 8164.5/66$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 ± 0.919 $\chi^2/\text{NDF}: 5331.4/16$

Left Out: 196.422 ± 0.481 $\chi^2/\text{NDF}: 1490.2/15$

Right Out: 178.011 ± 0.924 $\chi^2/\text{NDF}: 6345.7/18$

Left In: 190.366 ± 0.483 $\chi^2/\text{NDF}: 1574.1/14$

Left: 193.407 ± 0.341 $\chi^2/\text{NDF}: 3143.4/30$

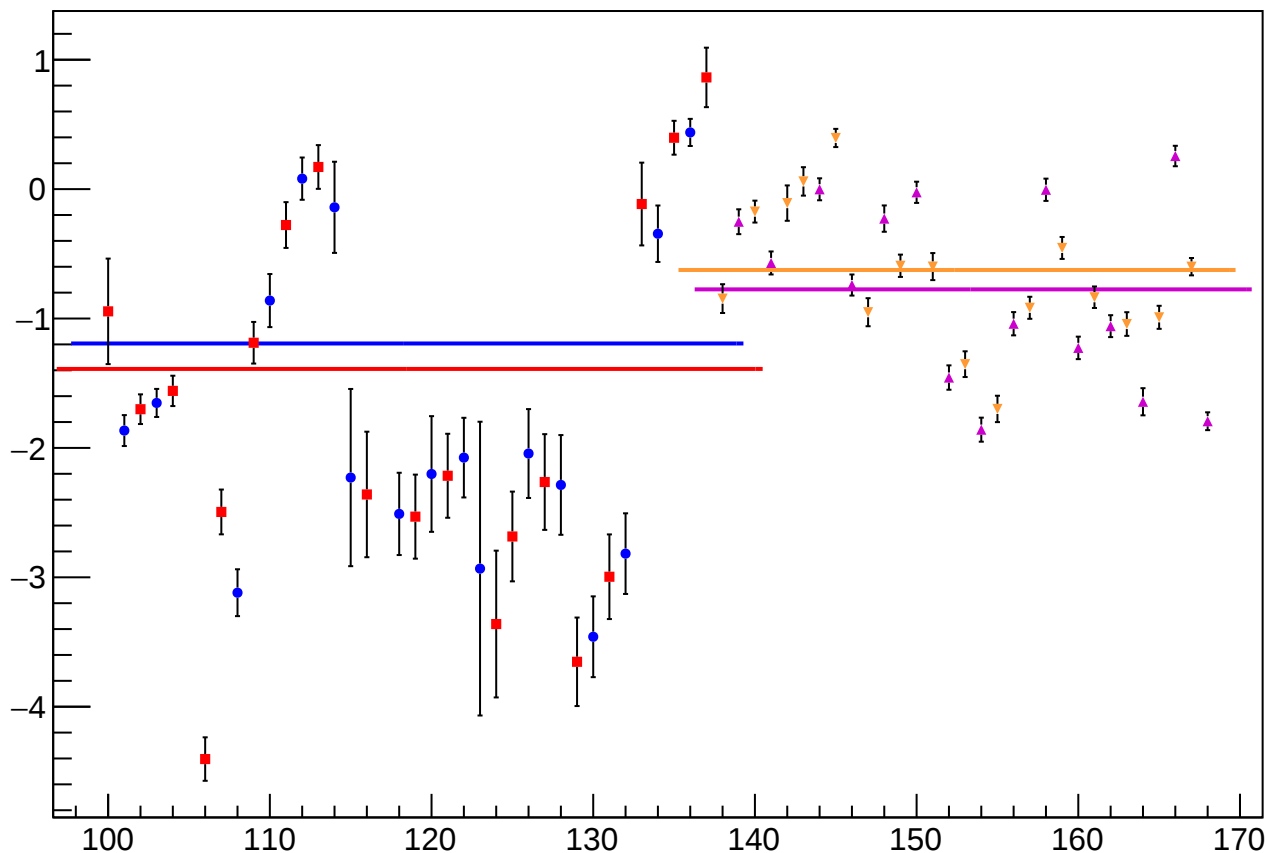
Right: 180.761 ± 0.651 $\chi^2/\text{NDF}: 11694.8/35$

In: 188.876 ± 0.427 $\chi^2/\text{NDF}: 6949.6/31$

Out: 192.503 ± 0.426 $\chi^2/\text{NDF}: 8148.5/34$

All: 190.693 ± 0.302 $\chi^2/\text{NDF}: 15134.2/66$

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.625 ± 0.023 χ^2/NDF : 529.8/15

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.775 ± 0.022 χ^2/NDF : 1003.6/14

Left: -0.700 ± 0.016 χ^2/NDF : 1555.6/30

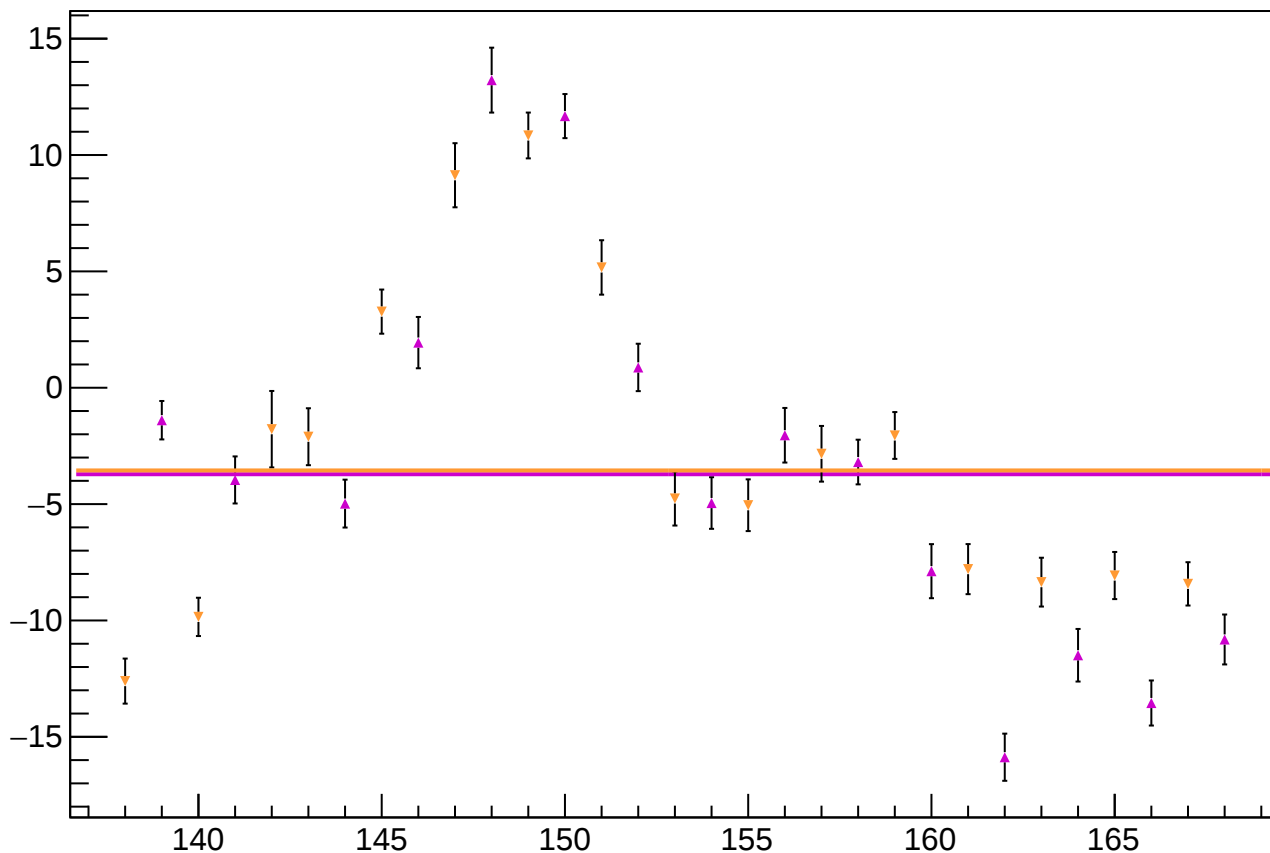
Right: -1.296 ± 0.033 χ^2/NDF : 1551.0/35

In: -0.849 ± 0.020 χ^2/NDF : 1687.2/31

Out: -0.774 ± 0.020 χ^2/NDF : 1674.3/34

All: -0.812 ± 0.014 χ^2/NDF : 3368.3/66

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



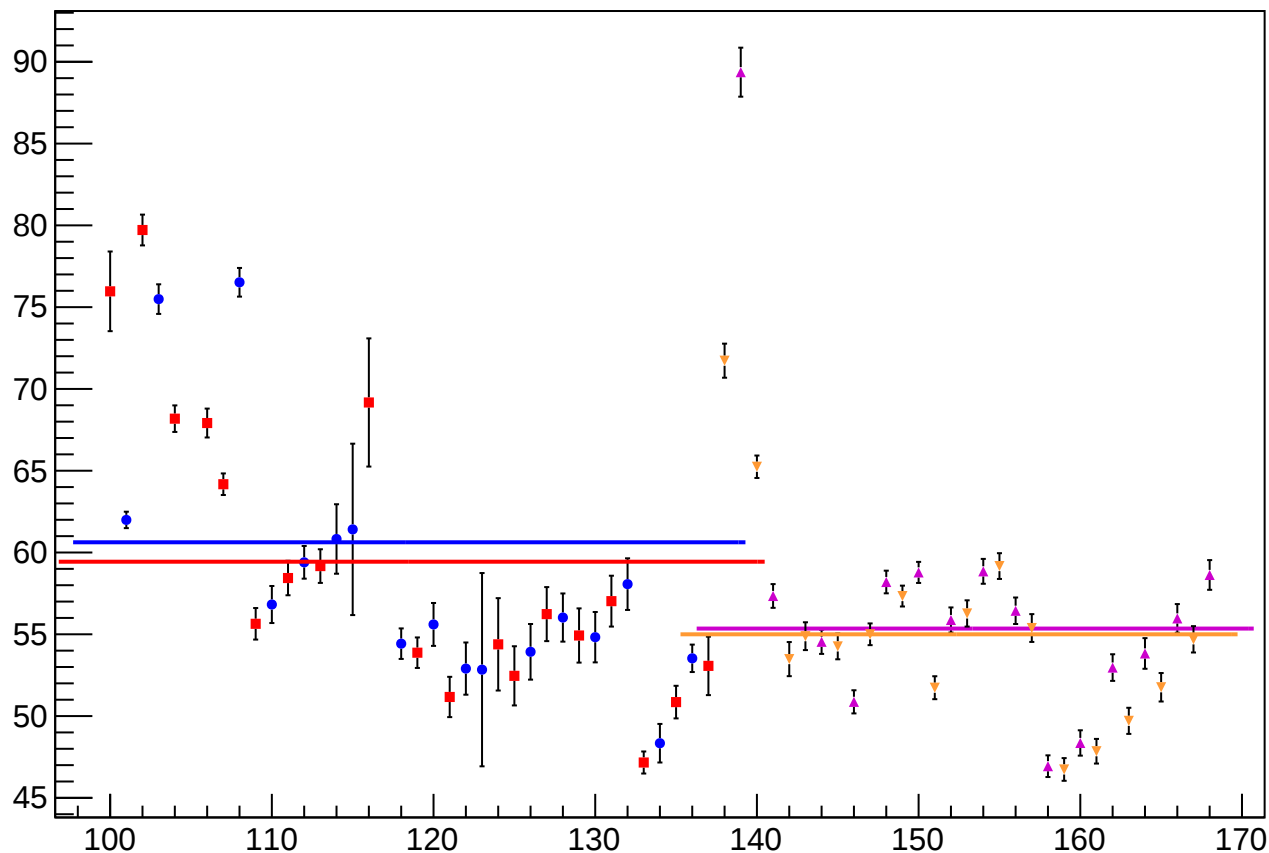
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -3.553 $\pm$ 0.266 χ^2 /NDF:643.9/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.716 $\pm$ 0.269 χ^2 /NDF:822.2/14

Left: -3.634 $\pm$ 0.189 χ^2 /NDF: 1466.3/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -3.716 $\pm$ 0.269 χ^2 /NDF:822.2/14
 Out: -3.553 $\pm$ 0.266 χ^2 /NDF:643.9/15

All: -3.634 $\pm$ 0.189 χ^2 /NDF: 1466.3/30

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: 54.999 $\pm$ 0.194 χ^2 /NDF:839.5/15

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

Left In: 55.349 $\pm$ 0.201 χ^2 /NDF:900.2/14

Left: 55.168 $\pm$ 0.140 χ^2 /NDF: 1741.2/30

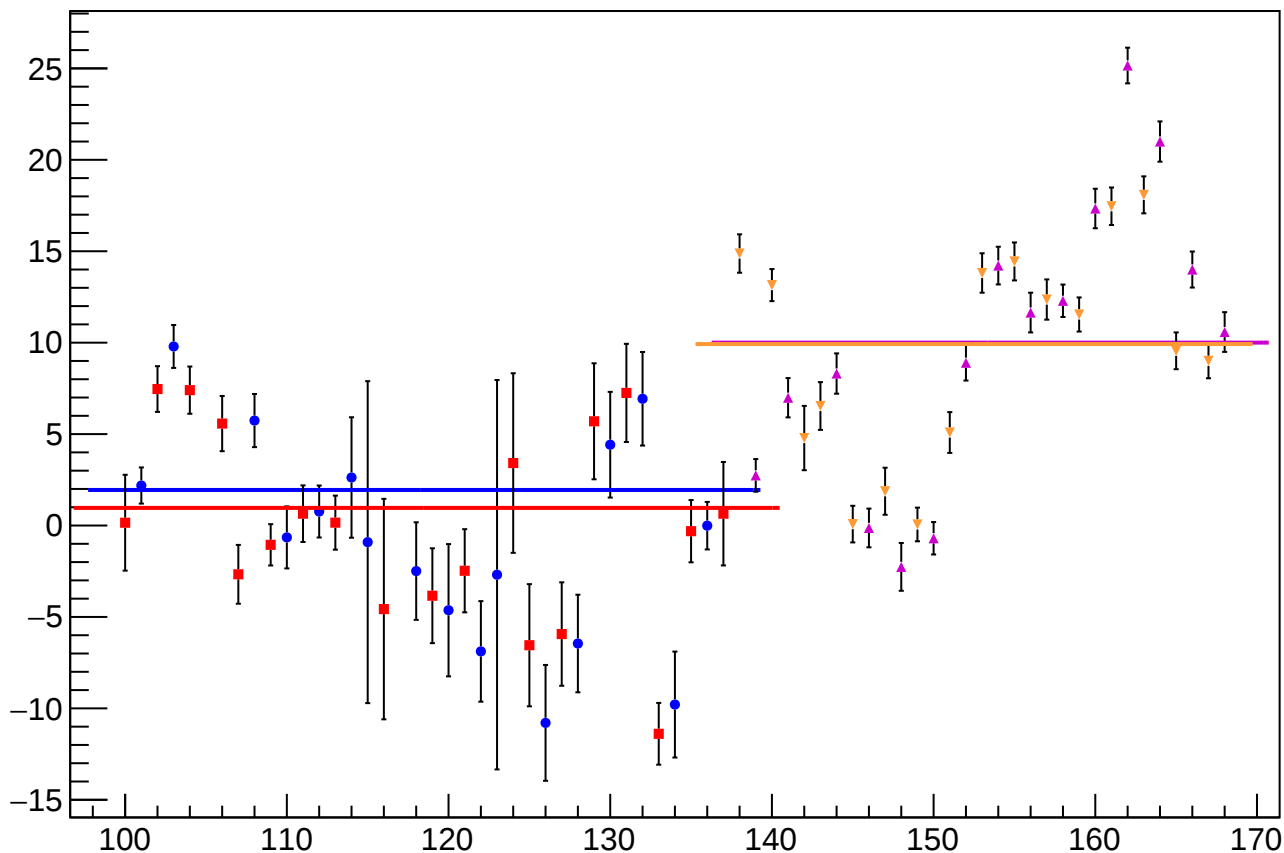
Right: 59.996 $\pm$ 0.180 χ^2 /NDF: 2258.7/35

In: 57.297 $\pm$ 0.160 χ^2 /NDF:2078.5/31

Out: 56.687 $\pm$ 0.153 χ^2 /NDF:2361.7/34

All: 56.978 $\pm$ 0.110 χ^2 /NDF: 4447.8/66

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 $\pm$ 0.459 χ^2 /NDF: 120.6/16

Left Out: 9.925 $\pm$ 0.263 χ^2 /NDF:480.5/15

Right Out: 0.964 $\pm$ 0.424 χ^2 /NDF: 149.5/18

Left In: 10.004 $\pm$ 0.263 χ^2 /NDF:832.8/14

Left: 9.964 $\pm$ 0.186 χ^2 /NDF: 1313.3/30

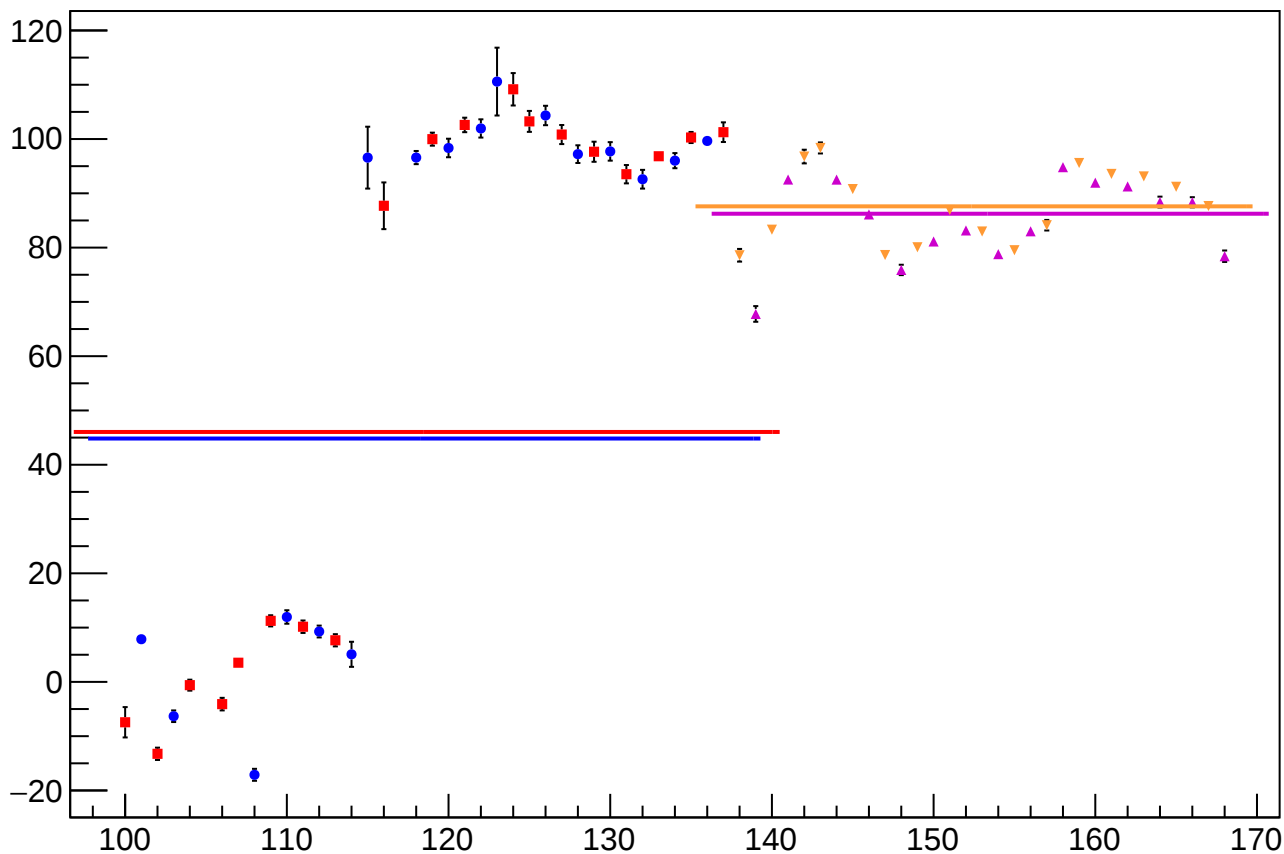
Right: 1.416 $\pm$ 0.312 χ^2 /NDF: 272.6/35

In: 8.007 $\pm$ 0.228 χ^2 /NDF:1185.4/31

Out: 7.441 $\pm$ 0.223 χ^2 /NDF:952.3/34

All: 7.718 $\pm$ 0.160 χ^2 /NDF: 2140.9/66

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 87.600+/-0.223 χ^2/NDF : 811.3/15

Right Out: 46.040+/-0.289 χ^2/NDF : 28263.4/18

Left In: 86.239+/-0.230 χ^2/NDF : 825.1/14

Left: 86.939+/-0.160 χ^2/NDF : 1654.4/30

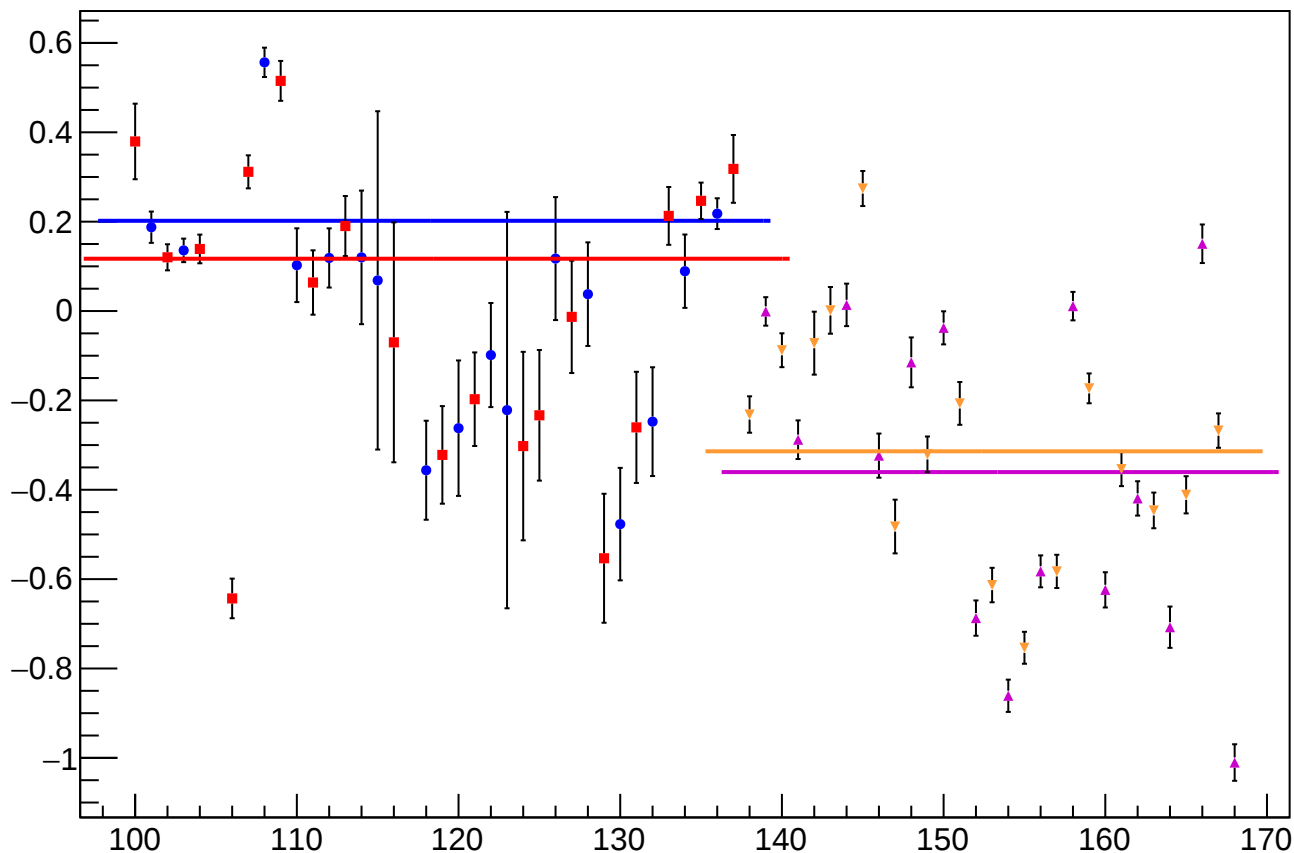
Right: 45.465+/-0.210 χ^2/NDF : 53034.8/35

In: 71.211+/-0.184 χ^2/NDF : 37358.5/31

Out: 72.078+/-0.177 χ^2/NDF : 41989.1/34

All: 71.660+/-0.127 χ^2/NDF : 79359.1/66

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.314 ± 0.010 χ^2/NDF : 626.1/15

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

Left In: -0.360 ± 0.010 χ^2/NDF : 1219.7/14

Left: -0.337 ± 0.007 χ^2/NDF : 1856.1/30

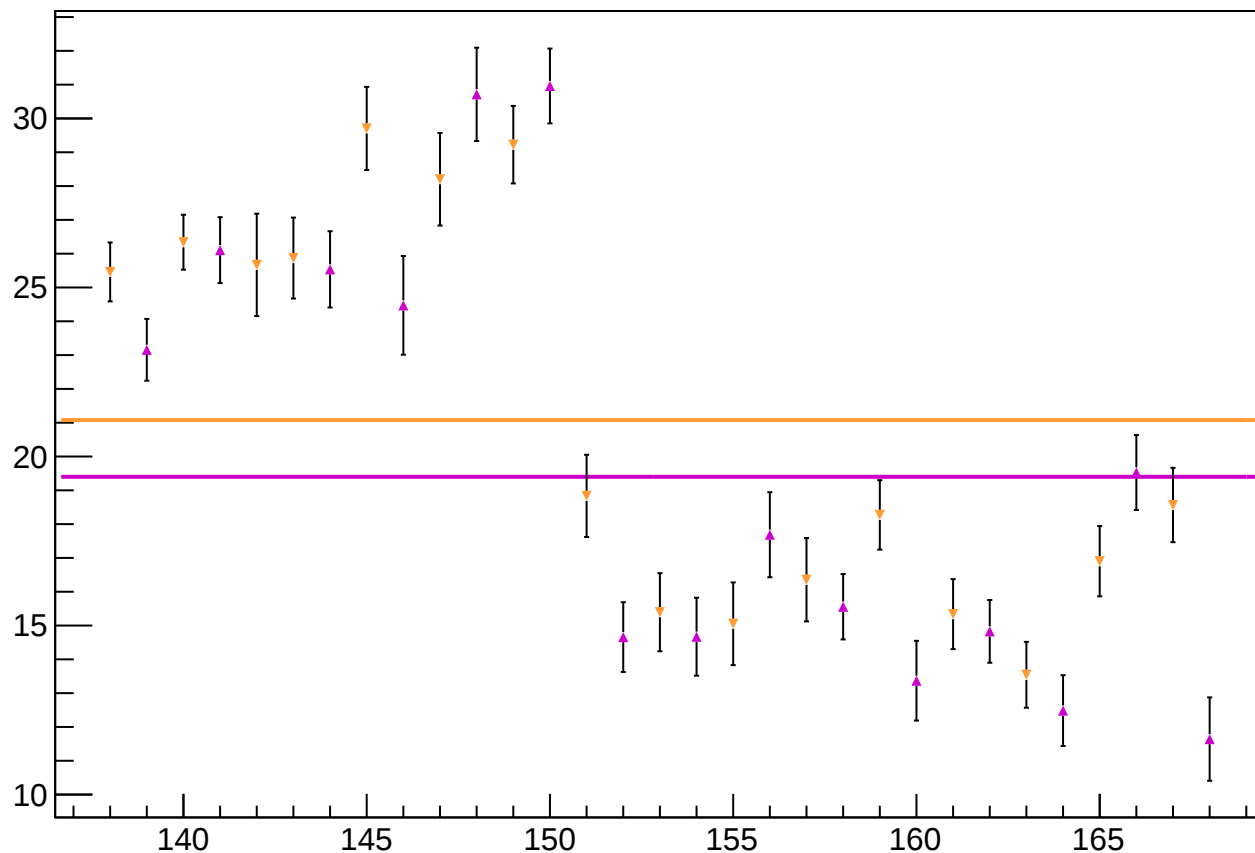
Right: 0.156 ± 0.010 χ^2/NDF : 735.2/35

In: -0.165 ± 0.008 χ^2/NDF : 2481.3/31

Out: -0.149 ± 0.008 χ^2/NDF : 1801.1/34

All: -0.157 ± 0.006 χ^2/NDF : 4284.3/66

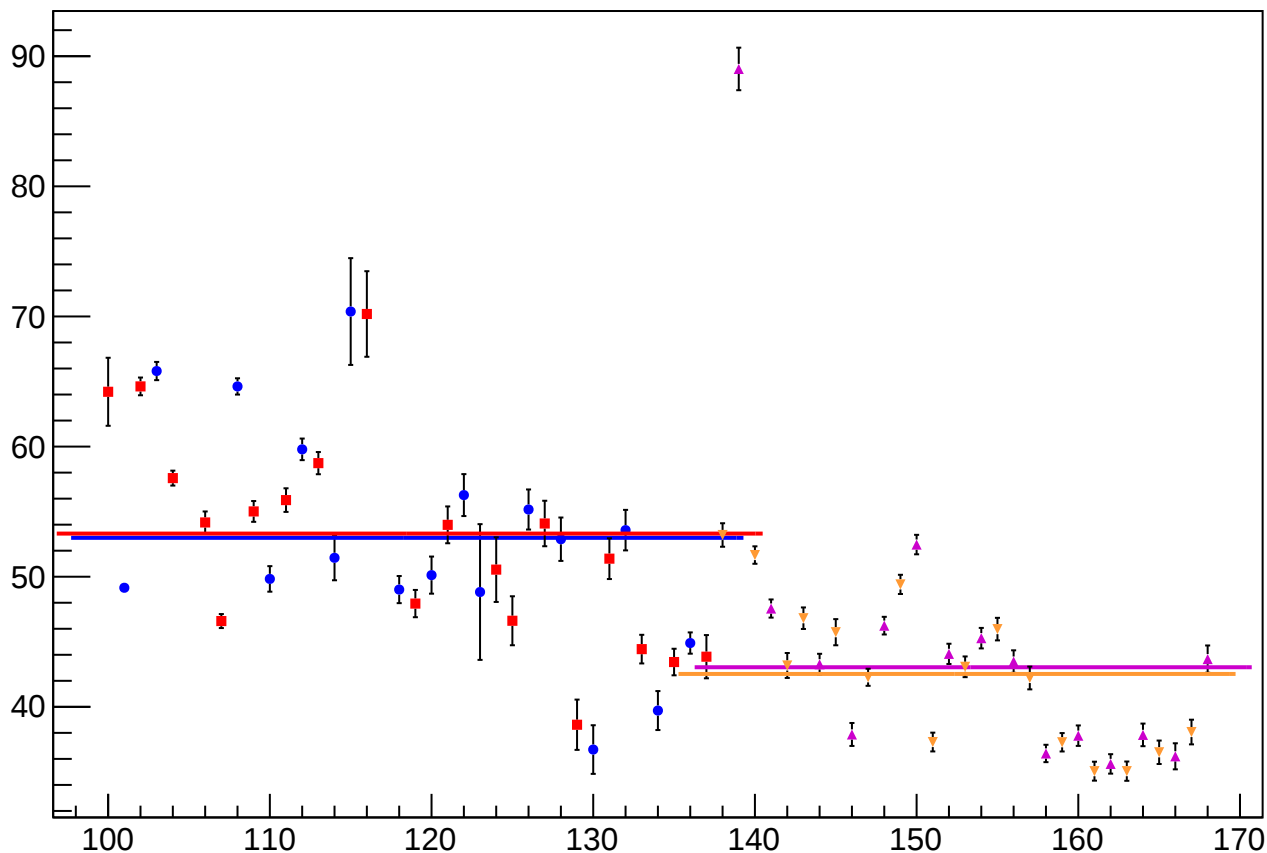
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.078 $\pm$ 0.274 χ^2 /NDF:405.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.400 $\pm$ 0.283 χ^2 /NDF:471.5/14

Left: 20.267 $\pm$ 0.197 χ^2 /NDF: 894.8/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.400 $\pm$ 0.283 χ^2 /NDF:471.5/14
 Out: 21.078 $\pm$ 0.274 χ^2 /NDF:405.1/15
 All: 20.267 $\pm$ 0.197 χ^2 /NDF: 894.8/30

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 42.529 $\pm$ 0.199 χ^2 /NDF:848.2/15

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

Left In: 43.043 $\pm$ 0.210 χ^2 /NDF:1383.3/14

Left: 42.772 $\pm$ 0.144 χ^2 /NDF: 2234.7/30

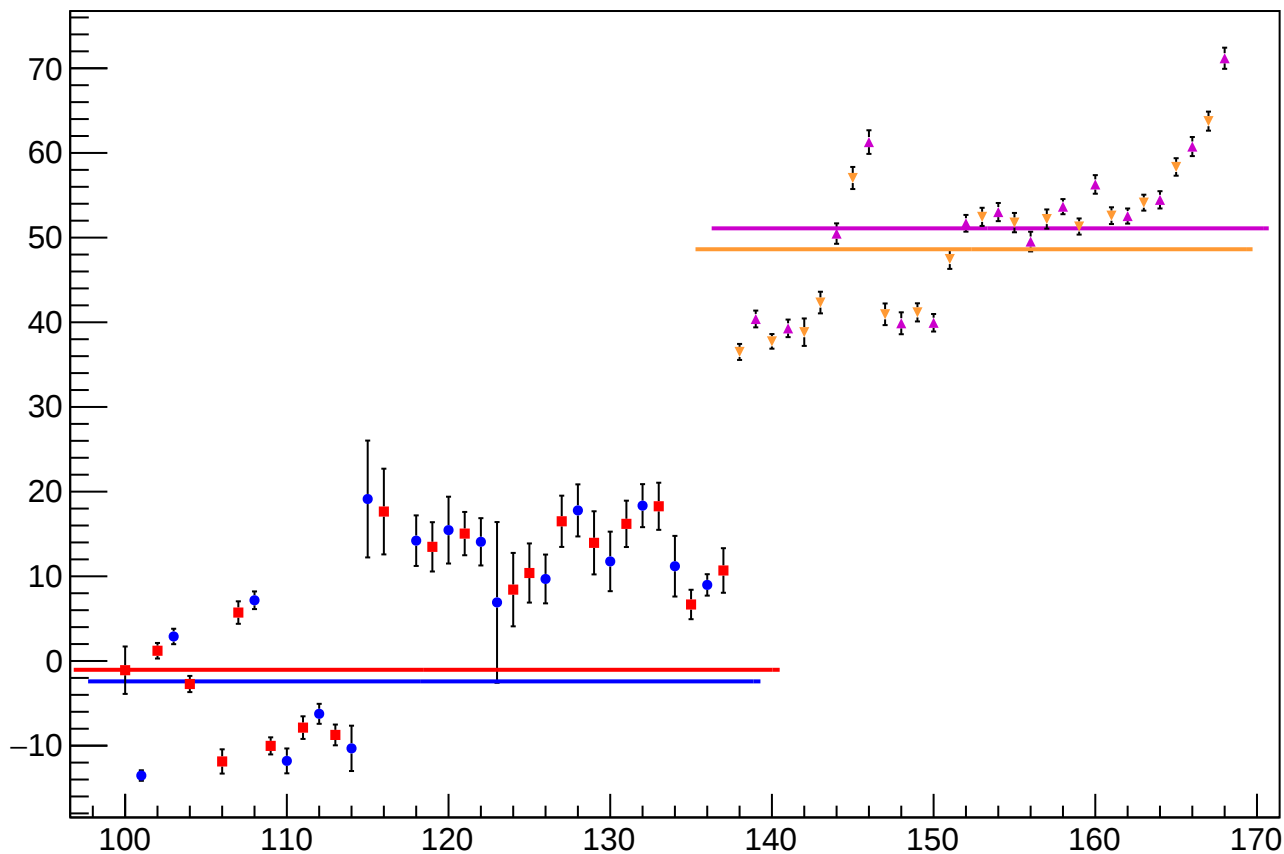
Right: 53.140 $\pm$ 0.154 χ^2 /NDF: 2074.7/35

In: 47.992 $\pm$ 0.149 χ^2 /NDF:3698.9/31

Out: 47.212 $\pm$ 0.149 χ^2 /NDF:3004.3/34

All: 47.604 $\pm$ 0.105 χ^2 /NDF: 6716.9/66

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 48.626 ± 0.271 χ^2/NDF : 868.6/15

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

Left In: 51.094 ± 0.277 χ^2/NDF : 873.0/14

Left: 49.832 ± 0.194 χ^2/NDF : 1782.3/30

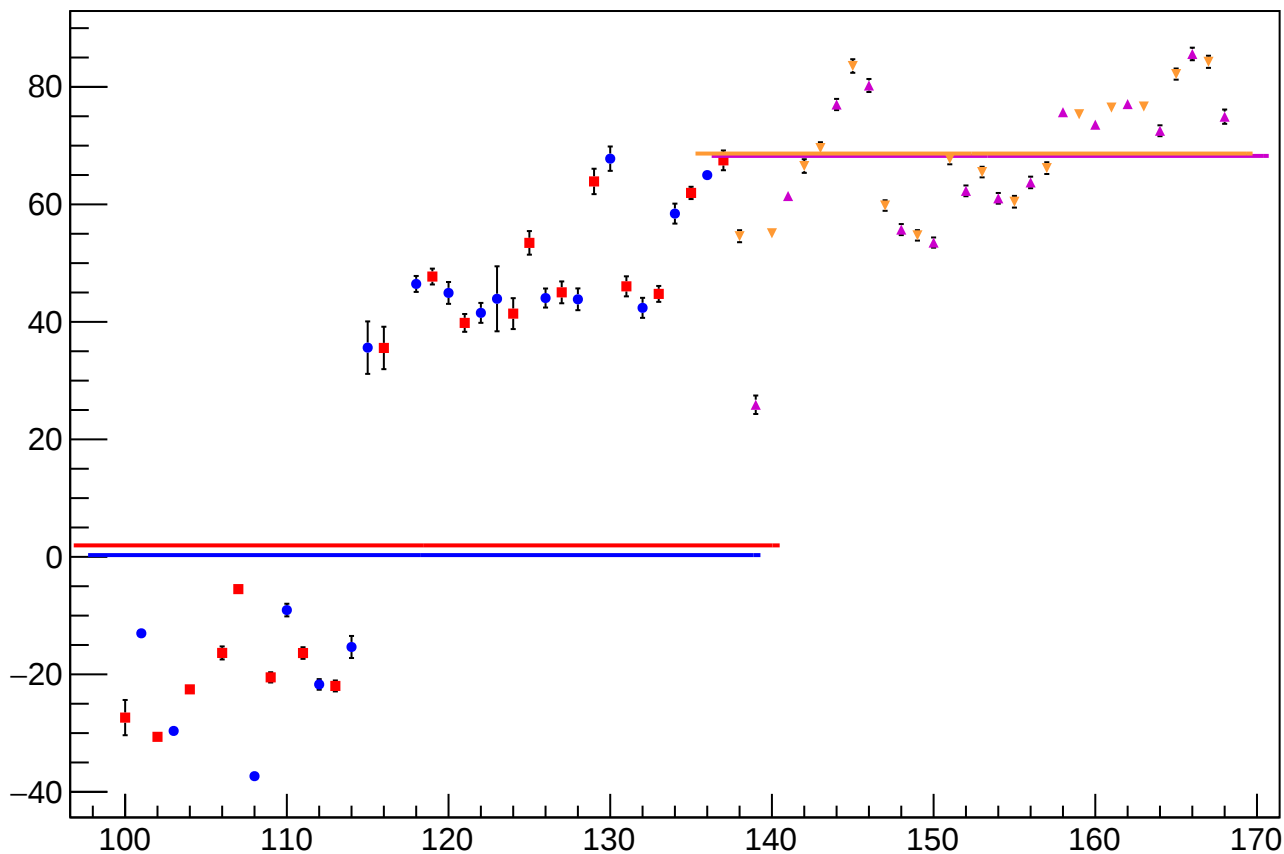
Right: -1.748 ± 0.262 χ^2/NDF : 1349.0/35

In: 31.501 ± 0.220 χ^2/NDF : 15376.9/31

Out: 31.741 ± 0.220 χ^2/NDF : 12827.5/34

All: 31.621 ± 0.156 χ^2/NDF : 28205.0/66

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 68.653 ± 0.229 $\chi^2/\text{NDF}: 1788.7/15$

Right Out: 1.952 ± 0.267 $\chi^2/\text{NDF}: 15450.6/18$

Left In: 68.253 ± 0.240 $\chi^2/\text{NDF}: 2179.8/14$

Left: 68.462 ± 0.166 $\chi^2/\text{NDF}: 3970.0/30$

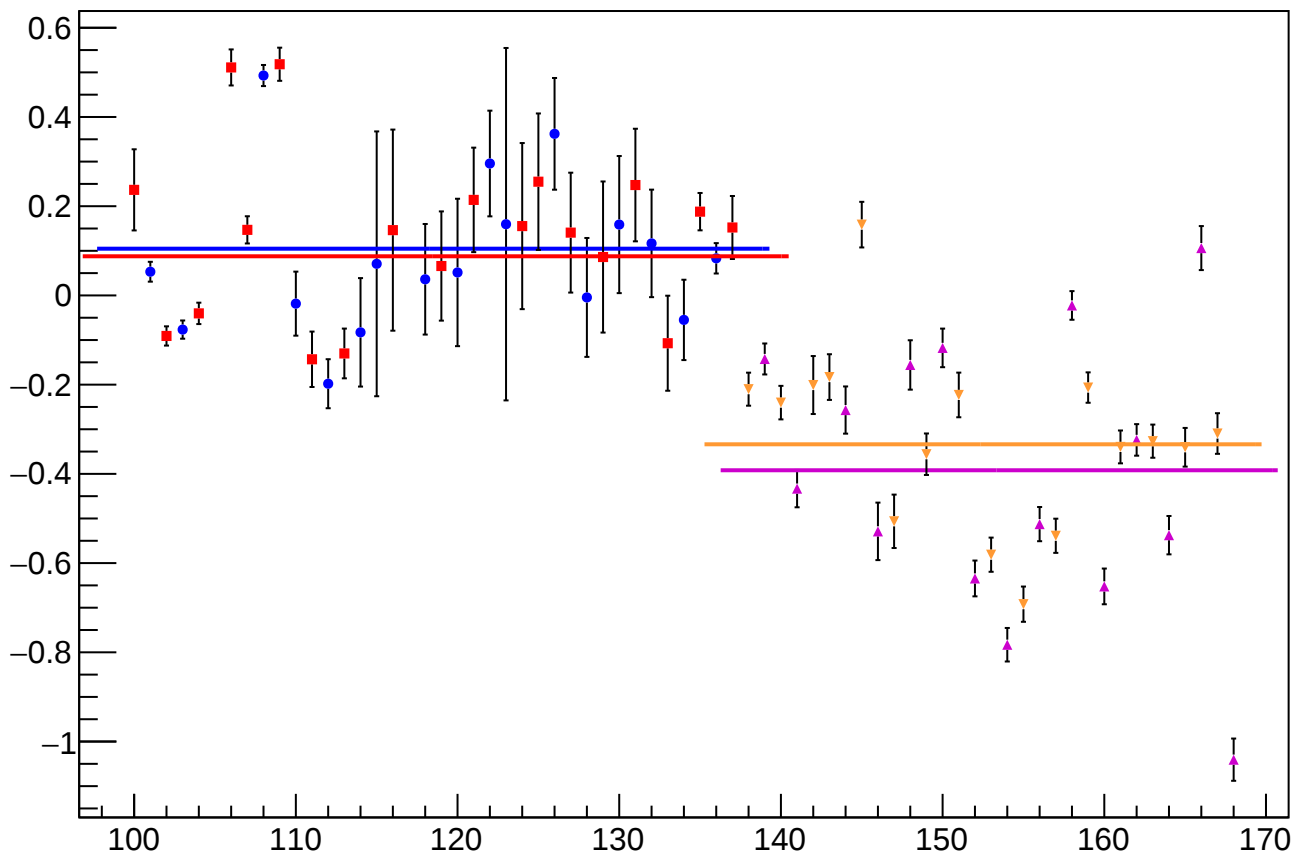
Right: 1.065 ± 0.181 $\chi^2/\text{NDF}: 33730.4/35$

In: 35.346 ± 0.172 $\chi^2/\text{NDF}: 59341.8/31$

Out: 40.323 ± 0.174 $\chi^2/\text{NDF}: 53240.8/34$

All: 37.812 ± 0.122 $\chi^2/\text{NDF}: 112996.7/66$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.334 ± 0.011 χ^2/NDF : 303.3/15

Right Out: 0.088 ± 0.011 χ^2/NDF : 390.9/18

Left In: -0.392 ± 0.011 χ^2/NDF : 756.3/14

Left: -0.362 ± 0.008 χ^2/NDF : 1074.4/30

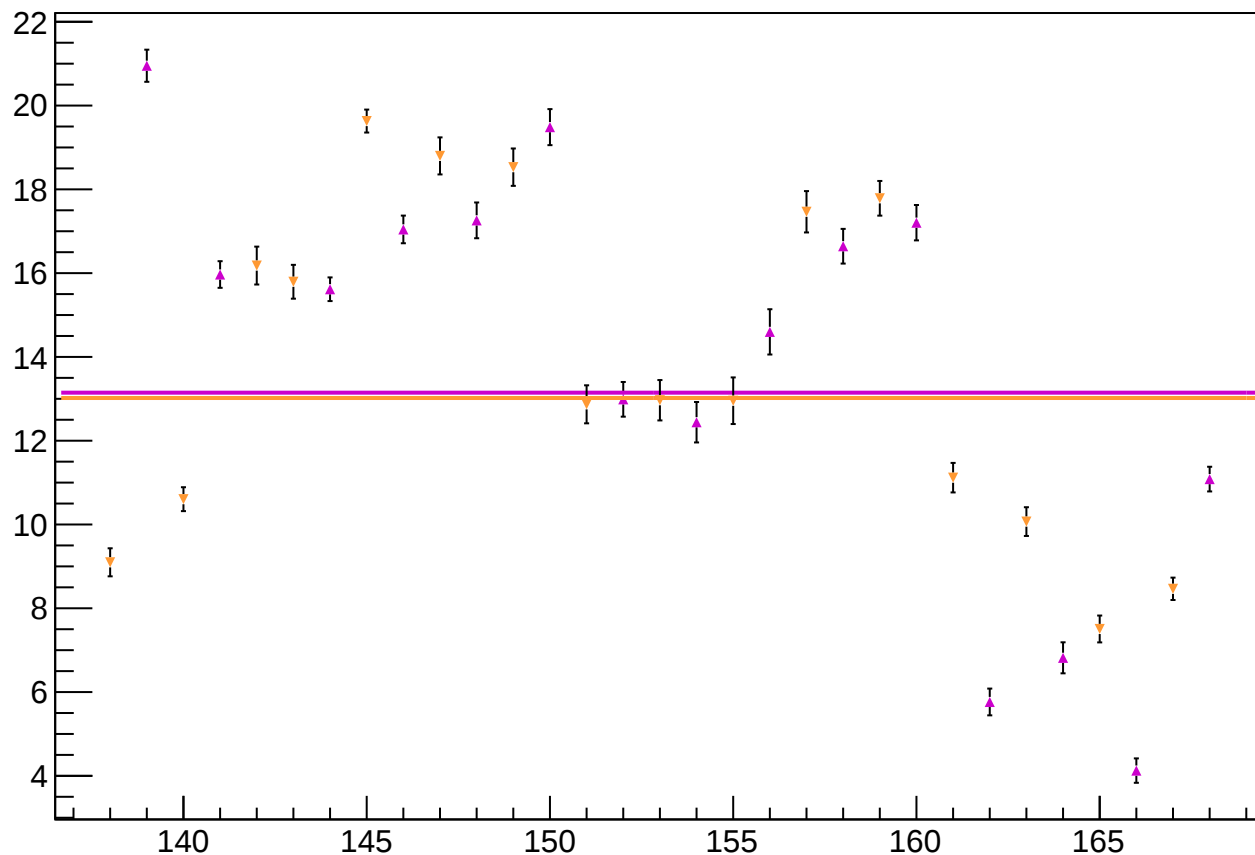
Right: 0.096 ± 0.008 χ^2/NDF : 792.8/35

In: -0.150 ± 0.008 χ^2/NDF : 2196.5/31

Out: -0.131 ± 0.008 χ^2/NDF : 1455.3/34

All: -0.141 ± 0.005 χ^2/NDF : 3654.9/66

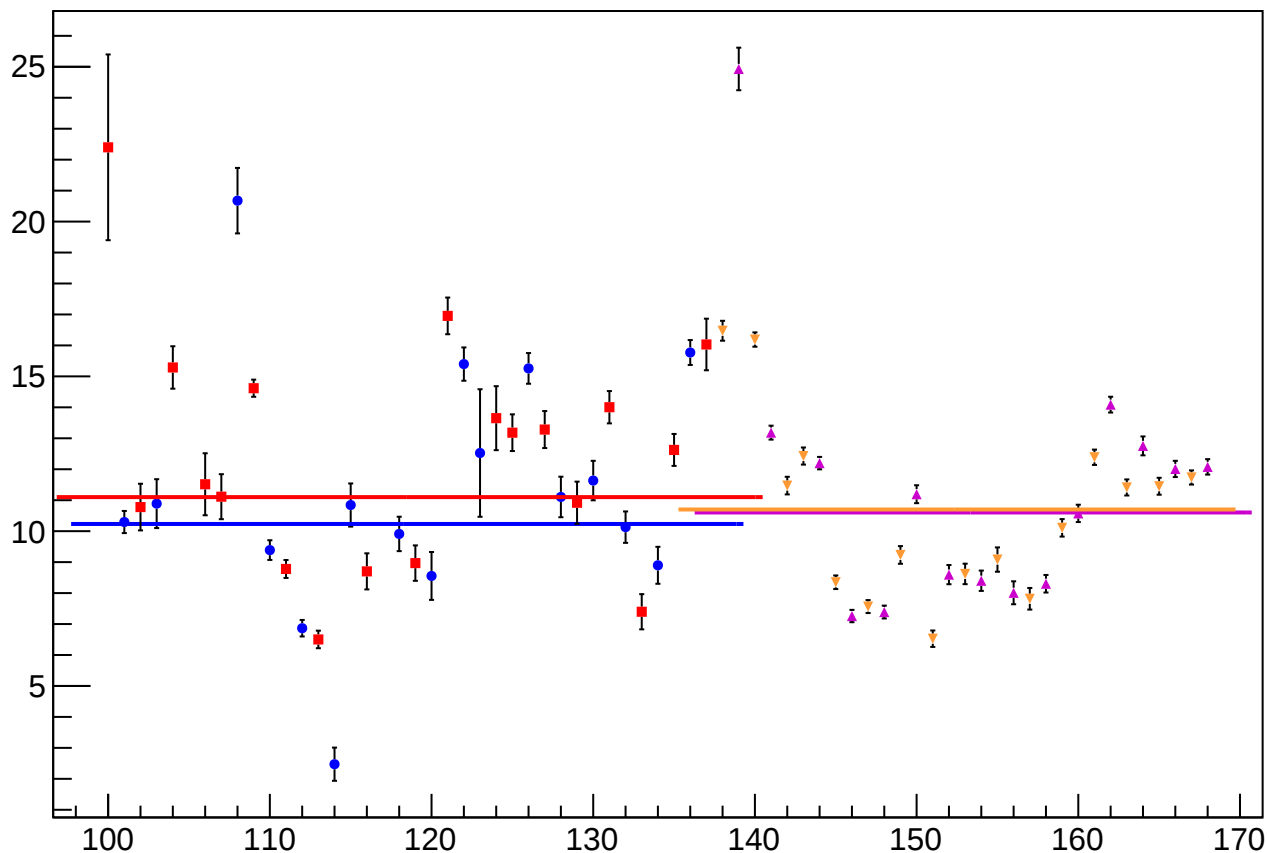
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 13.019 $\pm$ 0.092 χ^2 /NDF:2114.0/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 13.147 $\pm$ 0.093 χ^2 /NDF:3026.1/14

Left: 13.082 $\pm$ 0.066 χ^2 /NDF: 5141.0/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 13.147 $\pm$ 0.093 χ^2 /NDF:3026.1/14
 Out: 13.019 $\pm$ 0.092 χ^2 /NDF:2114.0/15
 All: 13.082 $\pm$ 0.066 χ^2 /NDF: 5141.0/30

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 10.700 $\pm$ 0.067 χ^2 /NDF:1754.6/15

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

Left In: 10.604 $\pm$ 0.068 χ^2 /NDF:1656.4/14

Left: 10.653 $\pm$ 0.048 χ^2 /NDF: 3411.9/30

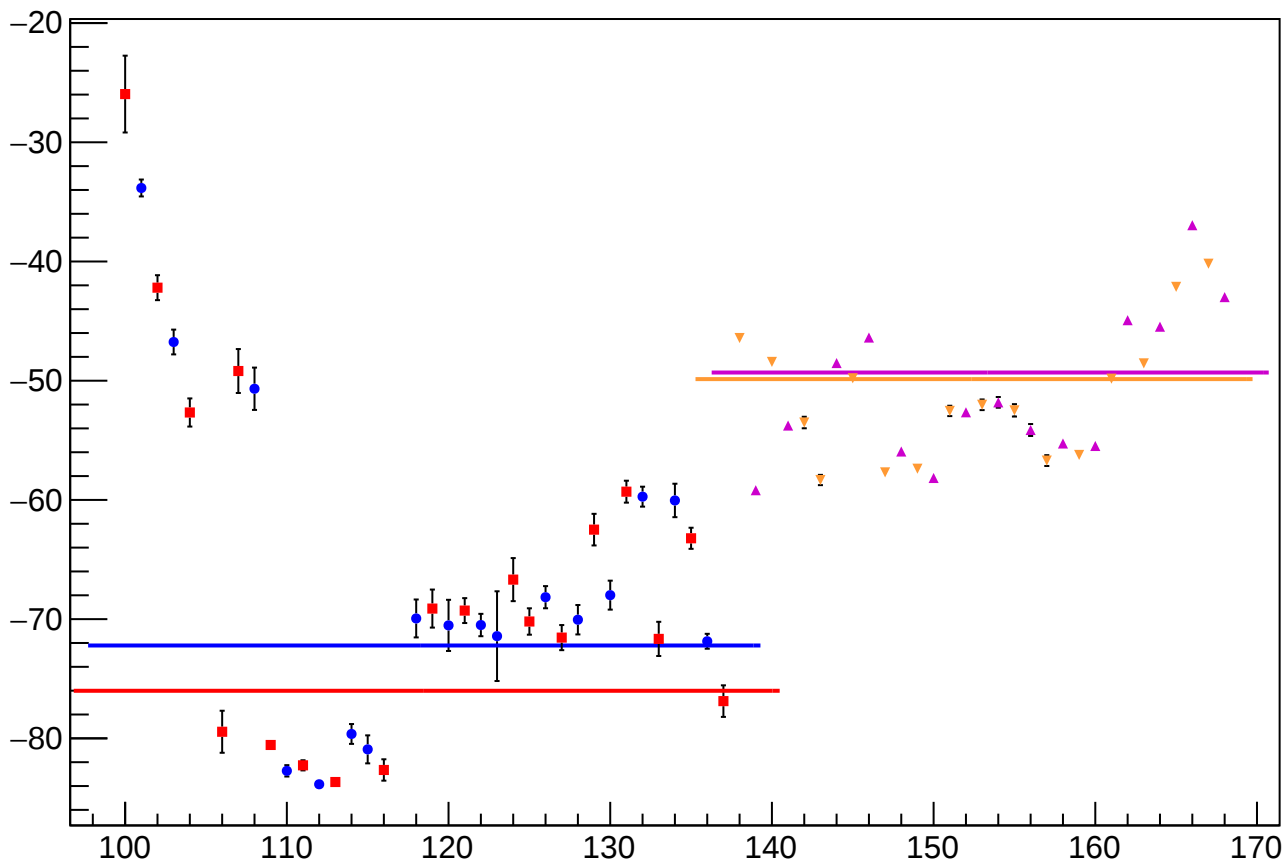
Right: 10.677 $\pm$ 0.083 χ^2 /NDF: 1721.6/35

In: 10.513 $\pm$ 0.059 χ^2 /NDF:2540.4/31

Out: 10.799 $\pm$ 0.058 χ^2 /NDF:2581.2/34

All: 10.659 $\pm$ 0.041 χ^2 /NDF: 5133.6/66

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -49.866+/-0.092 χ^2/NDF : 3688.0/15

Right Out: -76.009+/-0.181 χ^2/NDF : 3463.3/18

Left In: -49.313+/-0.092 χ^2/NDF : 4776.1/14

Left: -49.590+/-0.065 χ^2/NDF : 8482.1/30

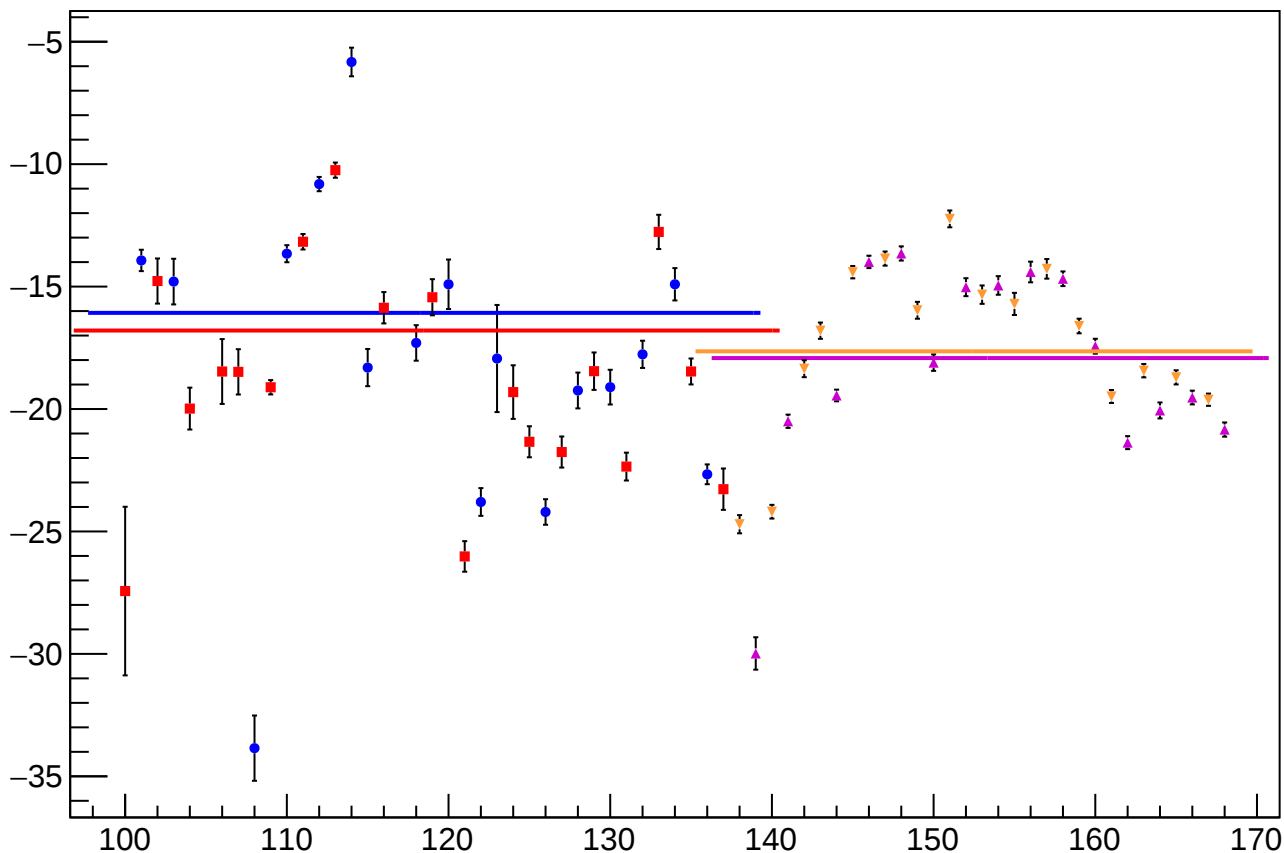
Right: -74.280+/-0.134 χ^2/NDF : 9230.0/35

In: -53.401+/-0.084 χ^2/NDF : 21330.0/31

Out: -55.232+/-0.082 χ^2/NDF : 23733.9/34

All: -54.335+/-0.059 χ^2/NDF : 45308.4/66

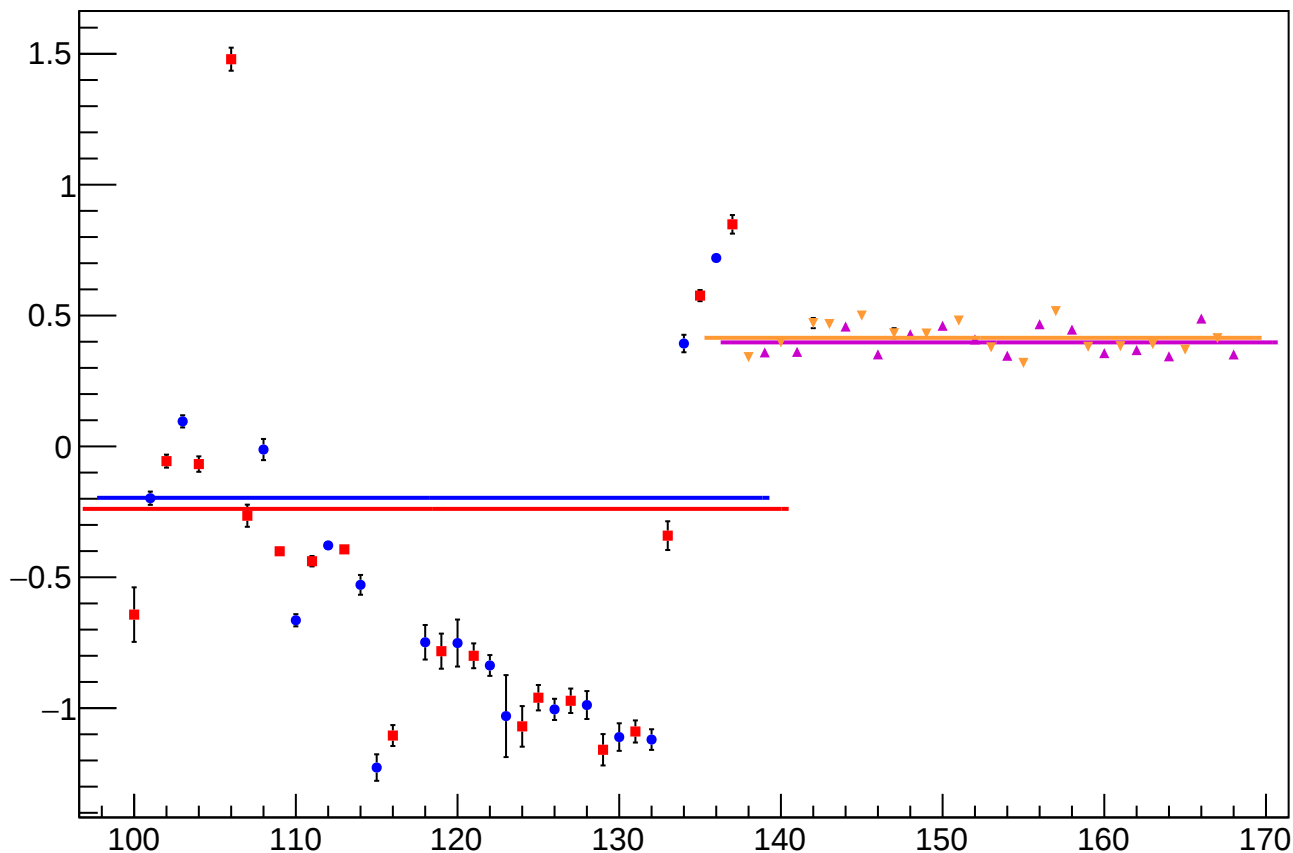
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$
 Left Out: -17.643 ± 0.077 $\chi^2/\text{NDF}: 1794.2/15$
 Right Out: -16.795 ± 0.128 $\chi^2/\text{NDF}: 1216.0/18$
 Left In: -17.919 ± 0.079 $\chi^2/\text{NDF}: 1579.0/14$

Left: -17.778 ± 0.055 $\chi^2/\text{NDF}: 3379.4/30$
 Right: -16.446 ± 0.092 $\chi^2/\text{NDF}: 2871.9/35$
 In: -17.434 ± 0.068 $\chi^2/\text{NDF}: 3362.5/31$
 Out: -17.416 ± 0.066 $\chi^2/\text{NDF}: 3042.3/34$
 All: -17.425 ± 0.047 $\chi^2/\text{NDF}: 6404.9/66$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.415 ± 0.004 χ^2/NDF : 220.1/15

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.397 ± 0.004 χ^2/NDF : 195.6/14

Left: 0.406 ± 0.003 χ^2/NDF : 427.0/30

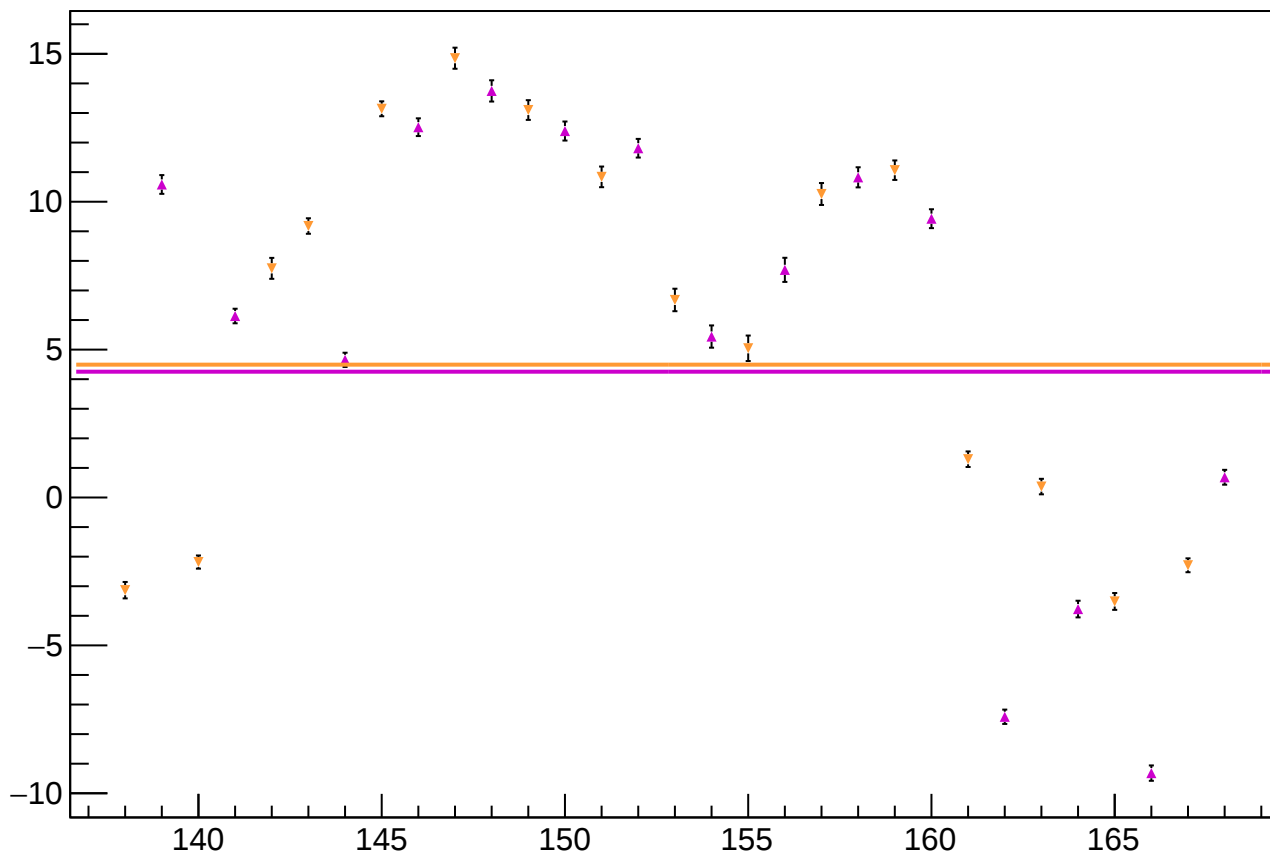
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.283 ± 0.003 χ^2/NDF : 11525.3/31

Out: 0.281 ± 0.003 χ^2/NDF : 12998.8/34

All: 0.282 ± 0.002 χ^2/NDF : 24524.5/66

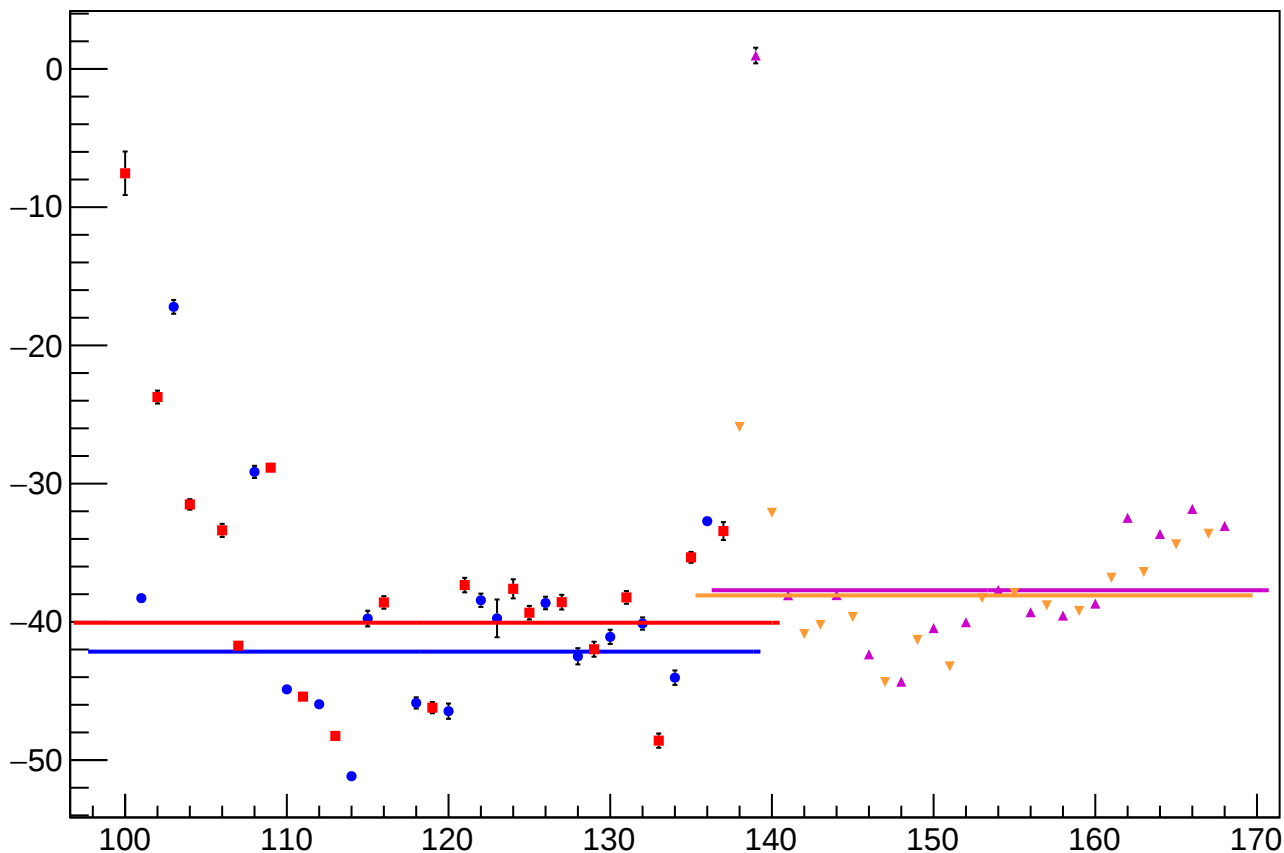
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.492 $\pm$ 0.074 χ^2 /NDF:7769.5/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.253 $\pm$ 0.076 χ^2 /NDF:9908.5/14

Left: 4.376 $\pm$ 0.053 χ^2 /NDF: 17683.1/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.253 $\pm$ 0.076 χ^2 /NDF:9908.5/14
 Out: 4.492 $\pm$ 0.074 χ^2 /NDF:7769.5/15
 All: 4.376 $\pm$ 0.053 χ^2 /NDF: 17683.1/30

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: -38.088 ± 0.053 $\chi^2/\text{NDF}: 6578.2/15$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

Left In: -37.713 ± 0.056 $\chi^2/\text{NDF}: 9212.2/14$

Left: -37.909 ± 0.038 $\chi^2/\text{NDF}: 15814.2/30$

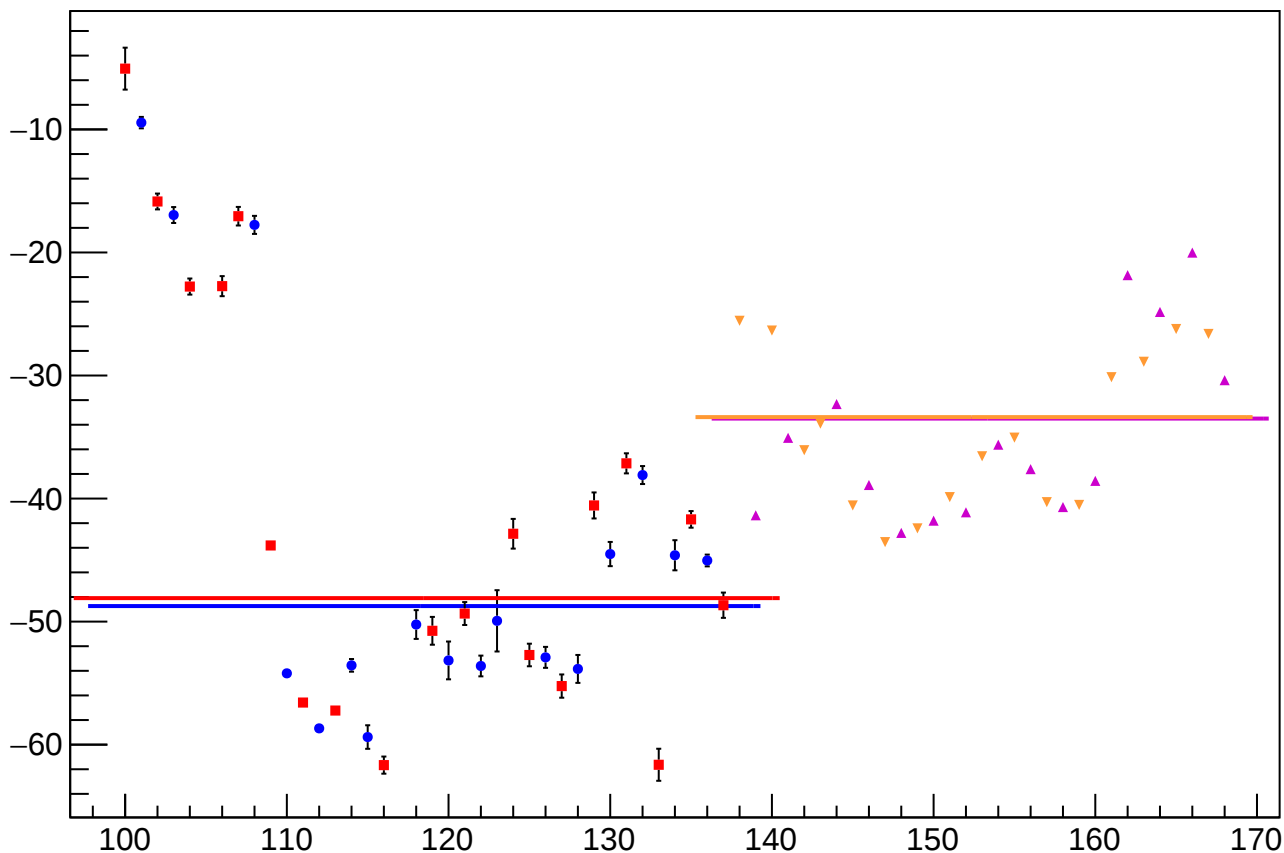
Right: -41.035 ± 0.053 $\chi^2/\text{NDF}: 18264.1/35$

In: -39.207 ± 0.045 $\chi^2/\text{NDF}: 17919.2/31$

Out: -38.774 ± 0.043 $\chi^2/\text{NDF}: 18380.6/34$

All: -38.979 ± 0.031 $\chi^2/\text{NDF}: 36348.0/66$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -33.381 ± 0.073 $\chi^2/\text{NDF}: 7446.0/15$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

Left In: -33.500 ± 0.075 $\chi^2/\text{NDF}: 10301.0/14$

Left: -33.439 ± 0.052 $\chi^2/\text{NDF}: 17748.2/30$

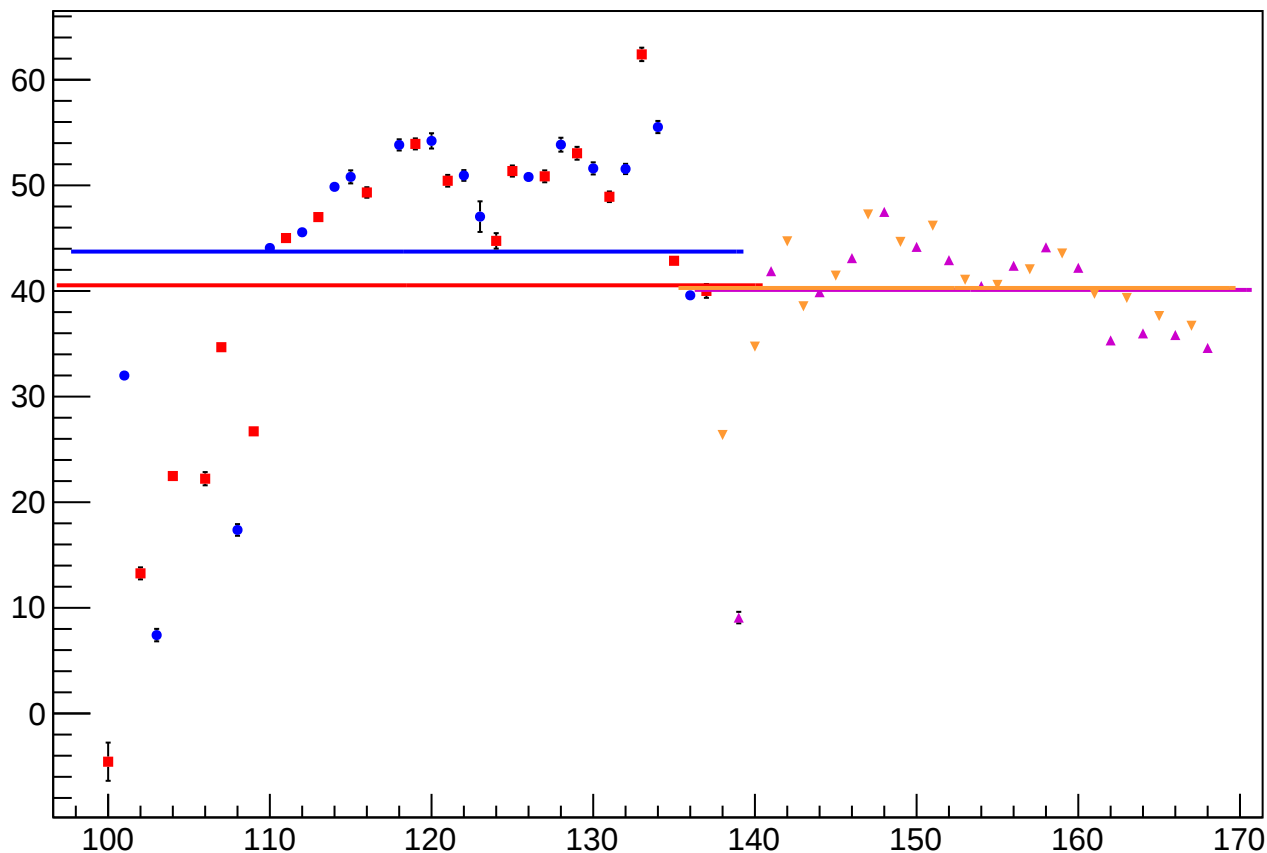
Right: -48.367 ± 0.081 $\chi^2/\text{NDF}: 26406.8/35$

In: -37.533 ± 0.064 $\chi^2/\text{NDF}: 35962.1/31$

Out: -38.078 ± 0.061 $\chi^2/\text{NDF}: 31990.2/34$

All: -37.821 ± 0.044 $\chi^2/\text{NDF}: 67990.4/66$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 $\pm$ 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.286 $\pm$ 0.062 χ^2/NDF : 5301.9/15

Right Out: 40.537 $\pm$ 0.080 χ^2/NDF : 17601.3/18

Left In: 40.102 $\pm$ 0.064 χ^2/NDF : 6770.3/14

Left: 40.197 $\pm$ 0.044 χ^2/NDF : 12076.5/30

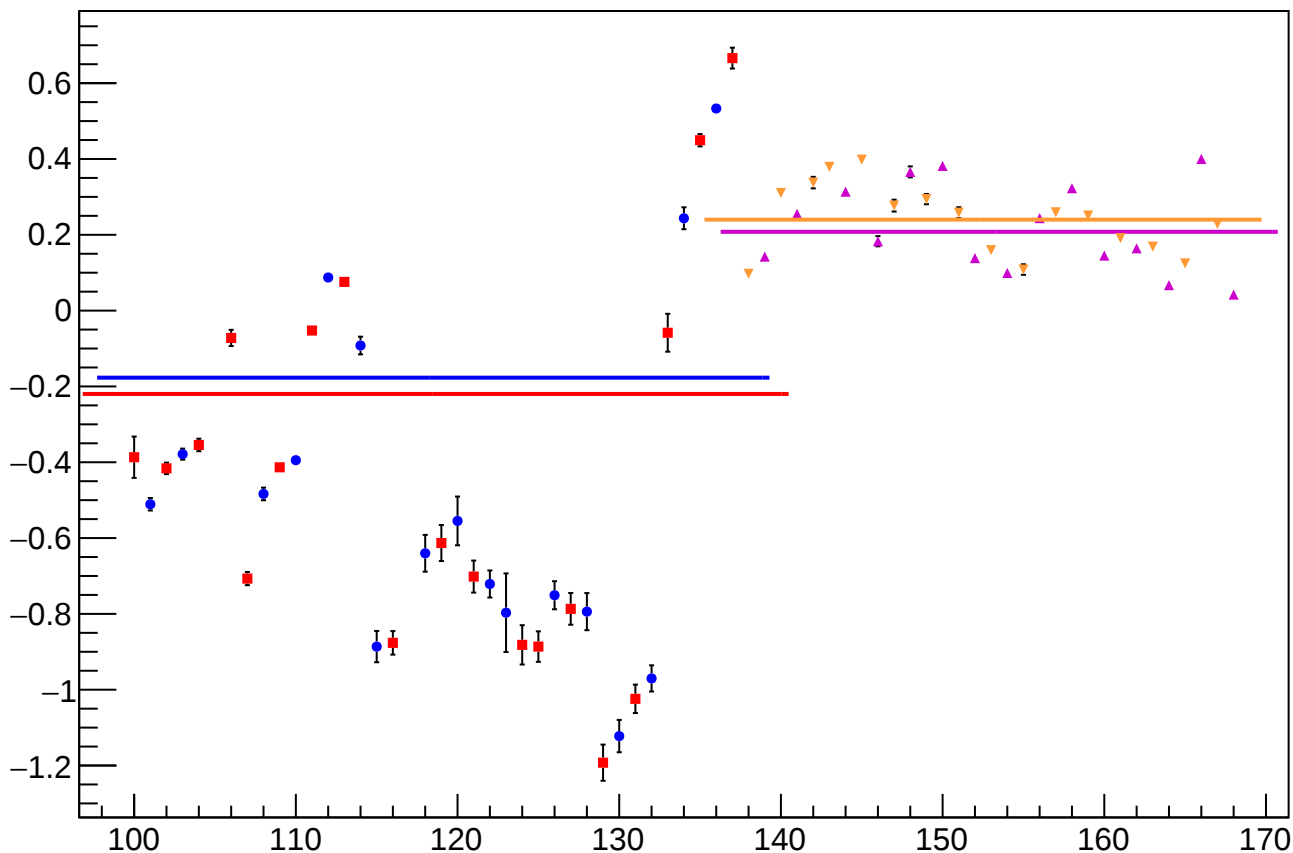
Right: 42.007 $\pm$ 0.059 χ^2/NDF : 28898.9/35

In: 41.383 $\pm$ 0.052 χ^2/NDF : 18467.9/31

Out: 40.379 $\pm$ 0.049 χ^2/NDF : 22909.4/34

All: 40.853 $\pm$ 0.035 χ^2/NDF : 41576.9/66

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.240 ± 0.003 χ^2/NDF : 942.1/15

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

Left In: 0.208 ± 0.003 χ^2/NDF : 1447.3/14

Left: 0.224 ± 0.002 χ^2/NDF : 2449.3/30

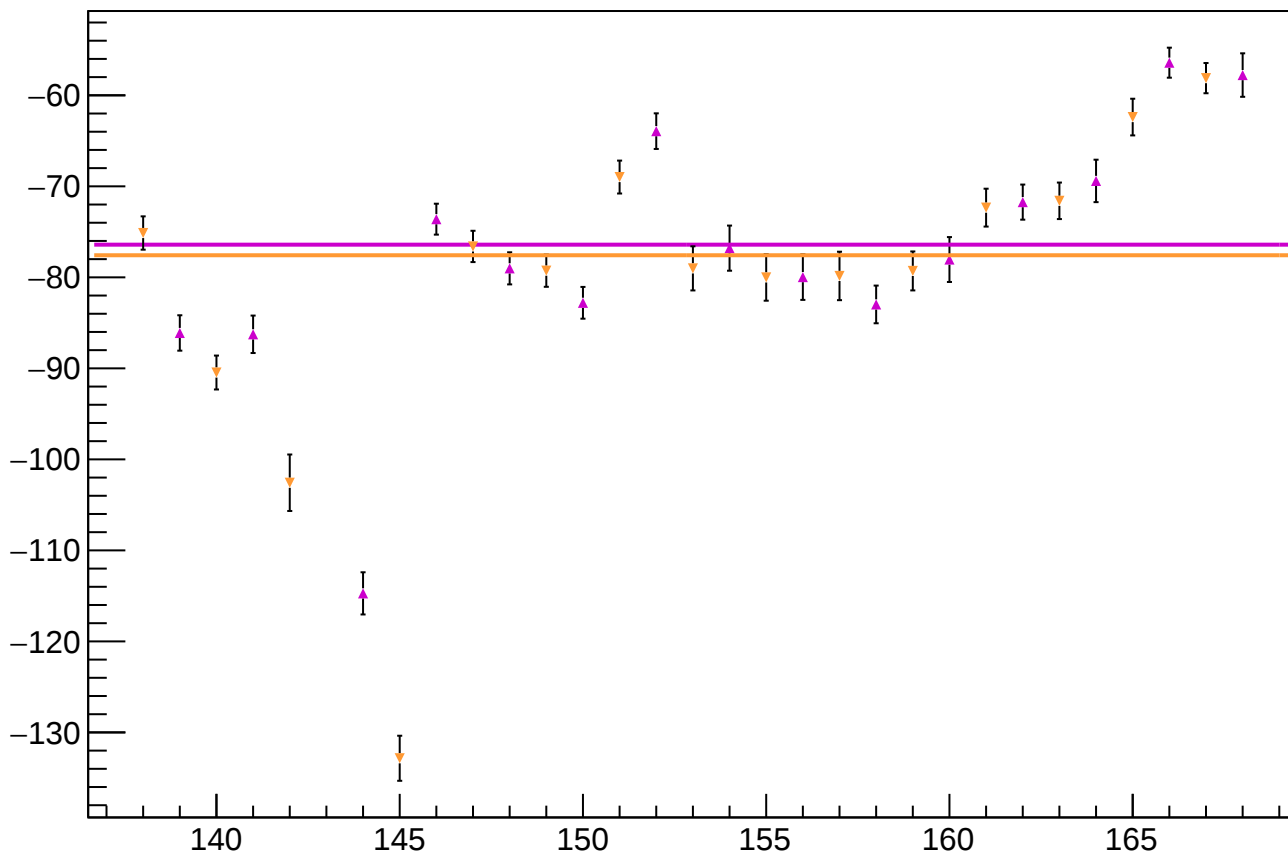
Right: -0.201 ± 0.003 χ^2/NDF : 14839.1/35

In: 0.103 ± 0.003 χ^2/NDF : 13410.2/31

Out: 0.096 ± 0.002 χ^2/NDF : 16213.2/34

All: 0.099 ± 0.002 χ^2/NDF : 29627.7/66

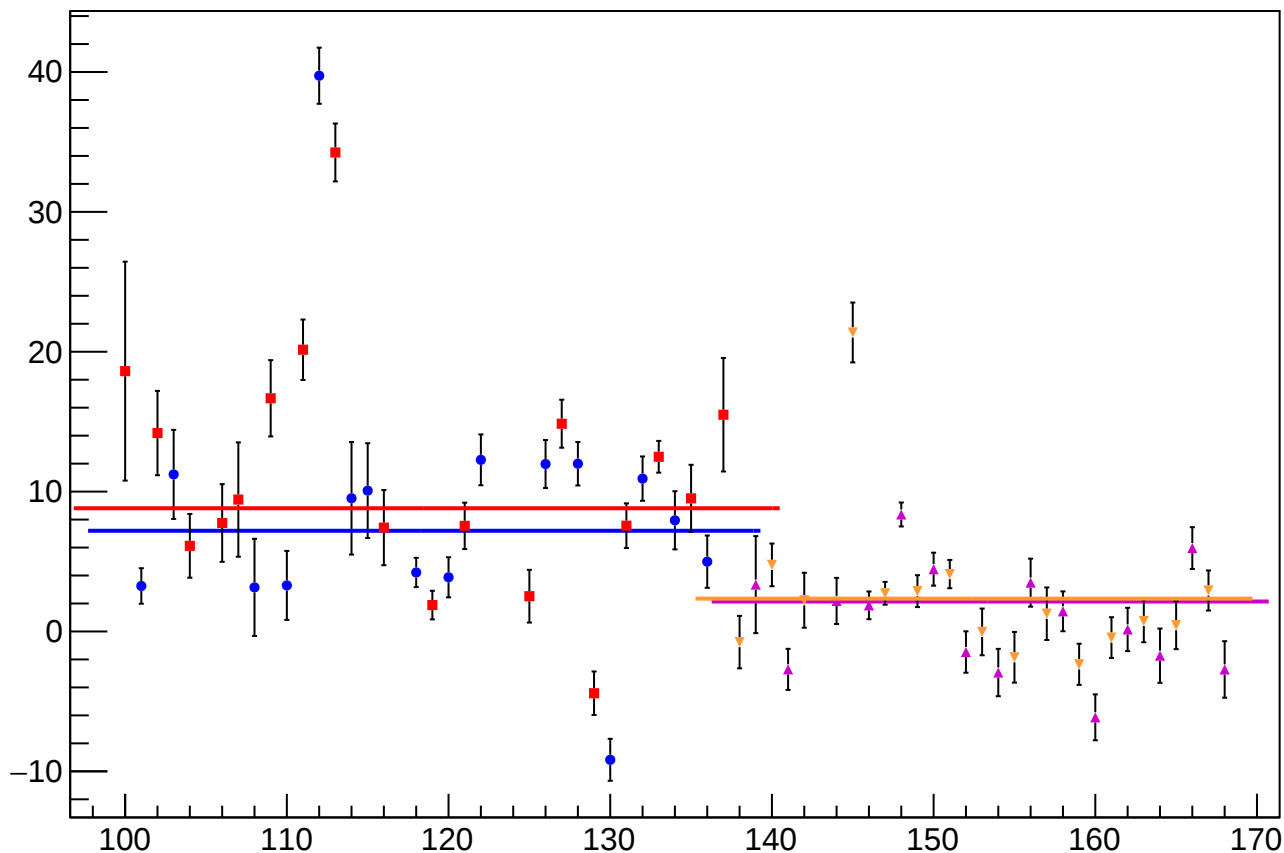
reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -77.572 $\pm$ 0.528 χ^2/NDF :848.6/14
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -76.410 $\pm$ 0.523 χ^2/NDF :615.2/14

Left: -76.985 $\pm$ 0.371 χ^2/NDF : 1466.3/29
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -76.410 $\pm$ 0.523 χ^2/NDF :615.2/14
 Out: -77.572 $\pm$ 0.528 χ^2/NDF :848.6/14
 All: -76.985 $\pm$ 0.371 χ^2/NDF : 1466.3/29

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 $\pm$ 0.440 χ^2 /NDF: 443.8/15

Left Out: 2.349 $\pm$ 0.363 χ^2 /NDF:111.8/14

Right Out: 8.810 $\pm$ 0.448 χ^2 /NDF: 349.7/17

Left In: 2.143 $\pm$ 0.368 χ^2 /NDF:127.0/14

Left: 2.247 $\pm$ 0.258 χ^2 /NDF: 239.0/29

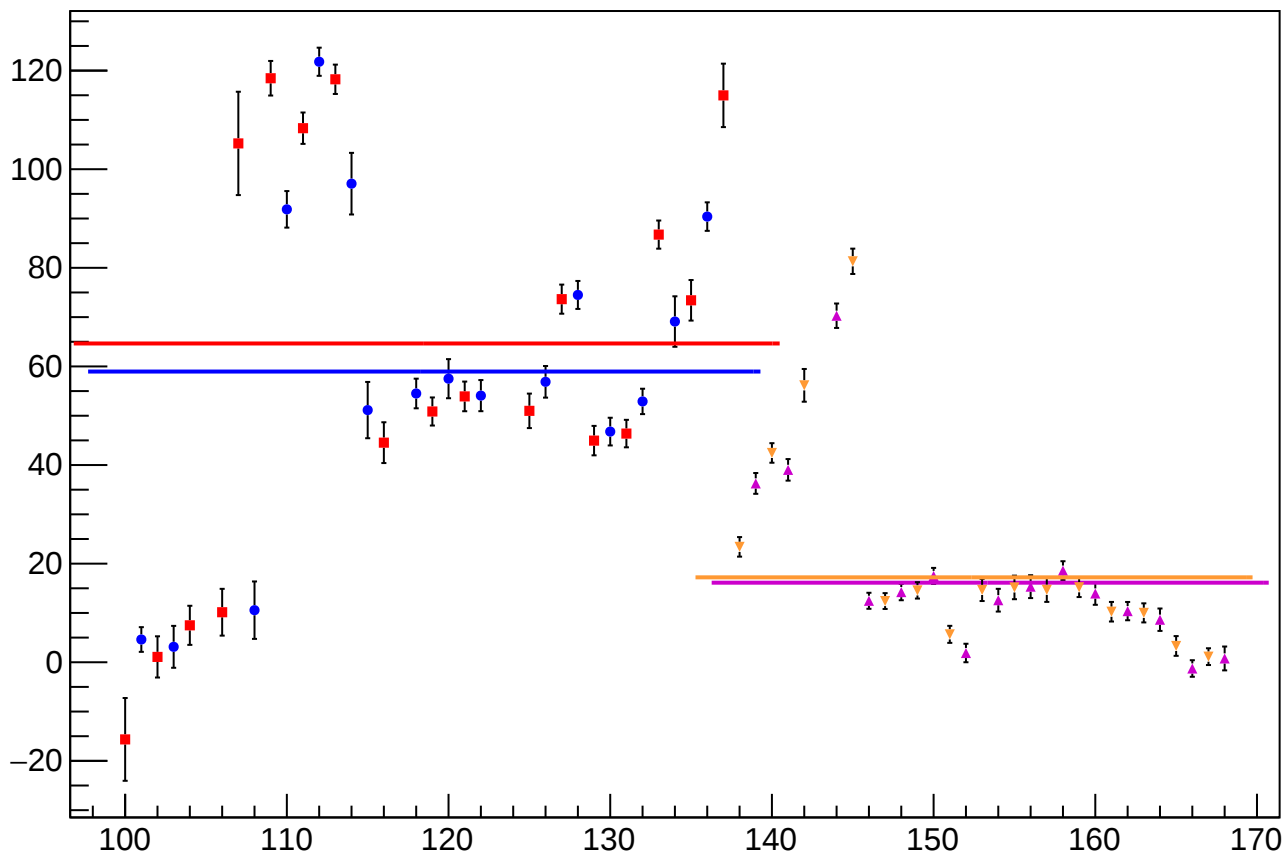
Right: 7.990 $\pm$ 0.314 χ^2 /NDF: 800.1/33

In: 4.224 $\pm$ 0.282 χ^2 /NDF:648.7/30

Out: 4.913 $\pm$ 0.282 χ^2 /NDF:587.1/32

All: 4.568 $\pm$ 0.199 χ^2 /NDF: 1238.7/63

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 ± 0.837 $\chi^2/\text{NDF}: 1496.5/15$

Left Out: 17.222 ± 0.517 $\chi^2/\text{NDF}: 1155.9/14$

Right Out: 64.655 ± 0.840 $\chi^2/\text{NDF}: 1721.8/17$

Left In: 16.138 ± 0.510 $\chi^2/\text{NDF}: 916.2/14$

Left: 16.673 ± 0.363 $\chi^2/\text{NDF}: 2074.3/29$

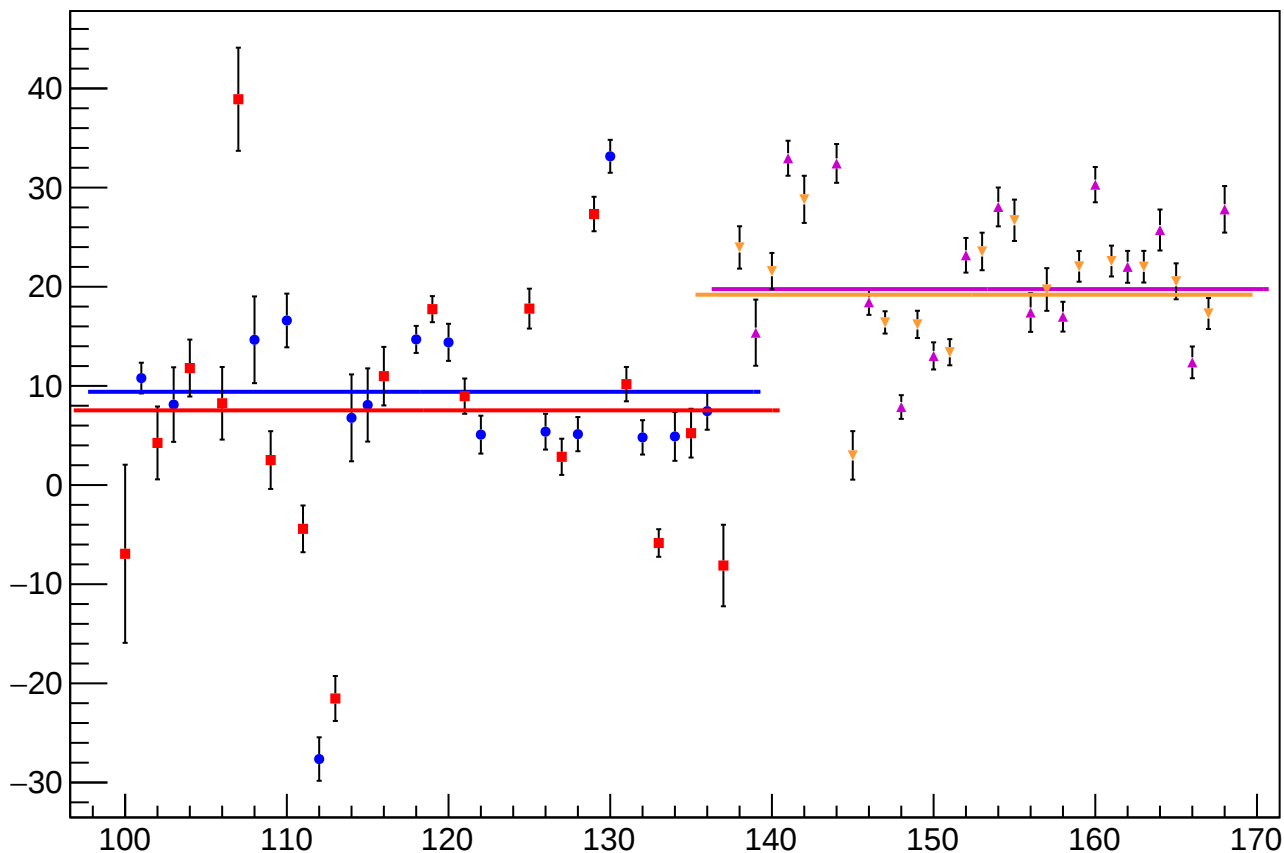
Right: 61.798 ± 0.593 $\chi^2/\text{NDF}: 3241.4/33$

In: 27.726 ± 0.435 $\chi^2/\text{NDF}: 4322.3/30$

Out: 30.241 ± 0.440 $\chi^2/\text{NDF}: 5191.0/32$

All: 28.970 ± 0.310 $\chi^2/\text{NDF}: 9529.8/63$

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 19.199 ± 0.430 χ^2/NDF : 128.8/14

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

Left In: 19.763 ± 0.433 χ^2/NDF : 328.7/14

Left: 19.478 ± 0.305 χ^2/NDF : 458.4/29

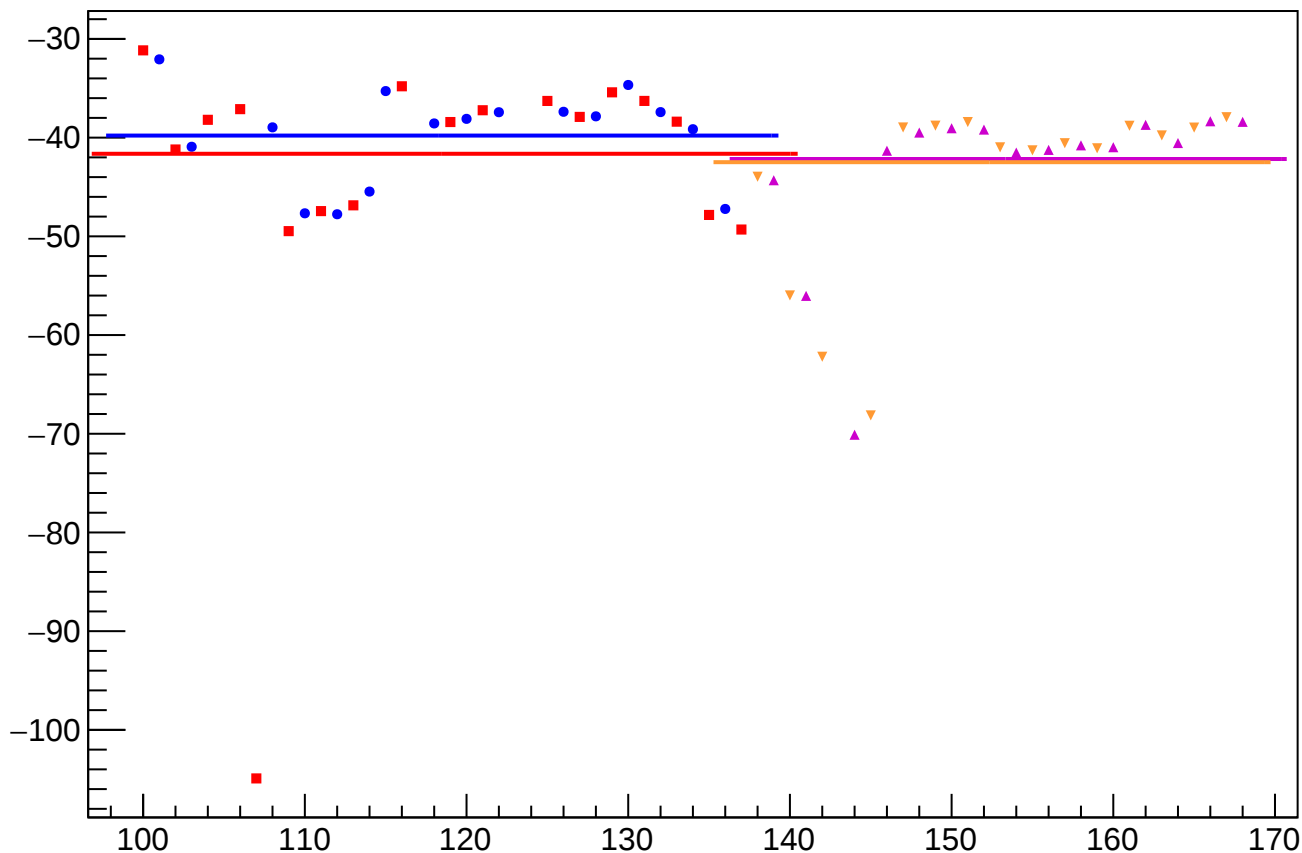
Right: 8.484 ± 0.361 χ^2/NDF : 1126.0/33

In: 15.389 ± 0.329 χ^2/NDF : 1119.6/30

Out: 14.410 ± 0.330 χ^2/NDF : 1001.3/32

All: 14.900 ± 0.233 χ^2/NDF : 2125.3/63

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 $\pm$ 0.031 χ^2 /NDF: 26138.6/15

Left Out: -42.487 $\pm$ 0.021 χ^2 /NDF:129219.3/14

Right Out: -41.635 $\pm$ 0.031 χ^2 /NDF: 94393.1/17

Left In: -42.165 $\pm$ 0.020 χ^2 /NDF:104203.7/14

Left: -42.323 $\pm$ 0.014 χ^2 /NDF: 233546.6/29

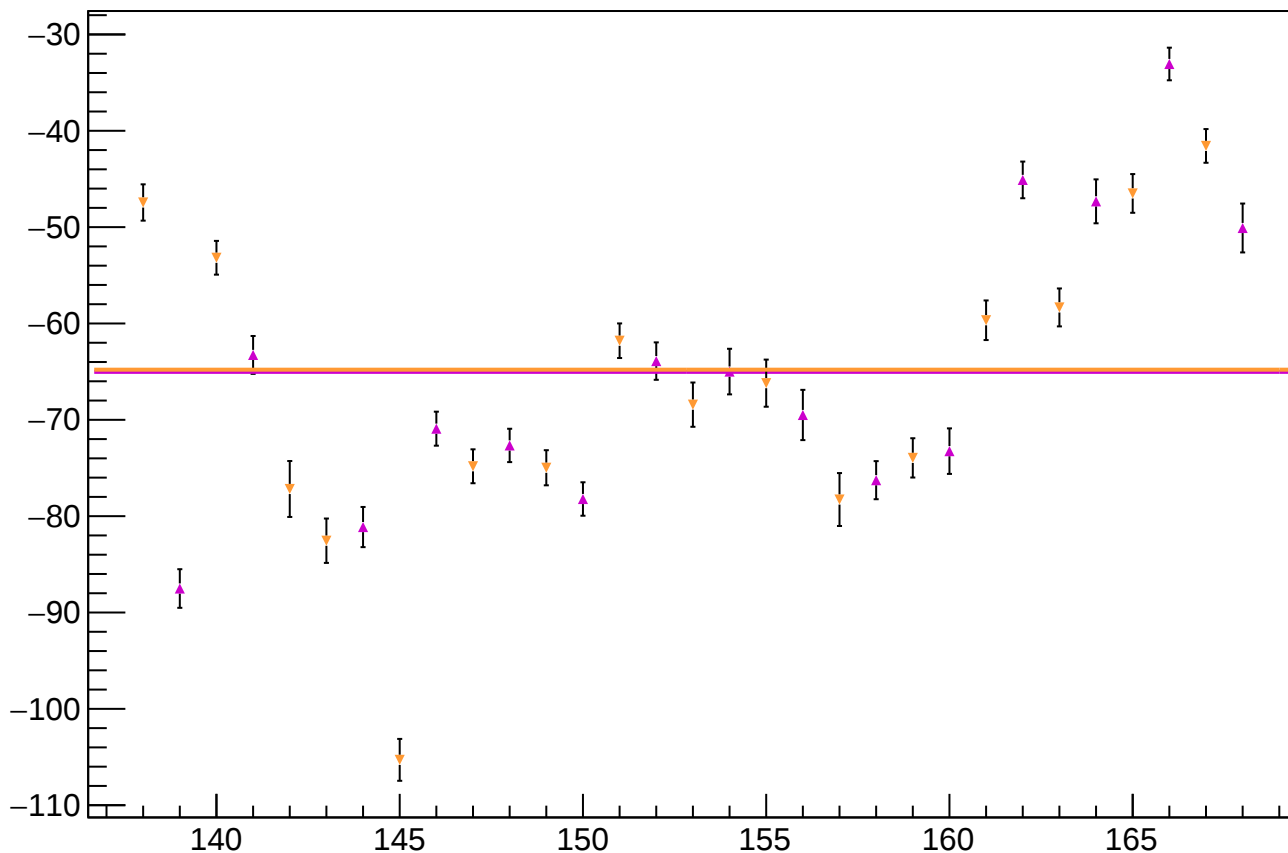
Right: -40.714 $\pm$ 0.022 χ^2 /NDF: 122277.1/33

In: -41.460 $\pm$ 0.017 χ^2 /NDF:134405.7/30

Out: -42.228 $\pm$ 0.017 χ^2 /NDF:224130.1/32

All: -41.840 $\pm$ 0.012 χ^2 /NDF: 359542.6/63

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -64.795+/-0.509 χ^2/NDF :943.0/15

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

Left In: -65.021+/-0.518 χ^2/NDF :883.1/14

Left: -64.906+/-0.363 χ^2/NDF : 1826.2/30

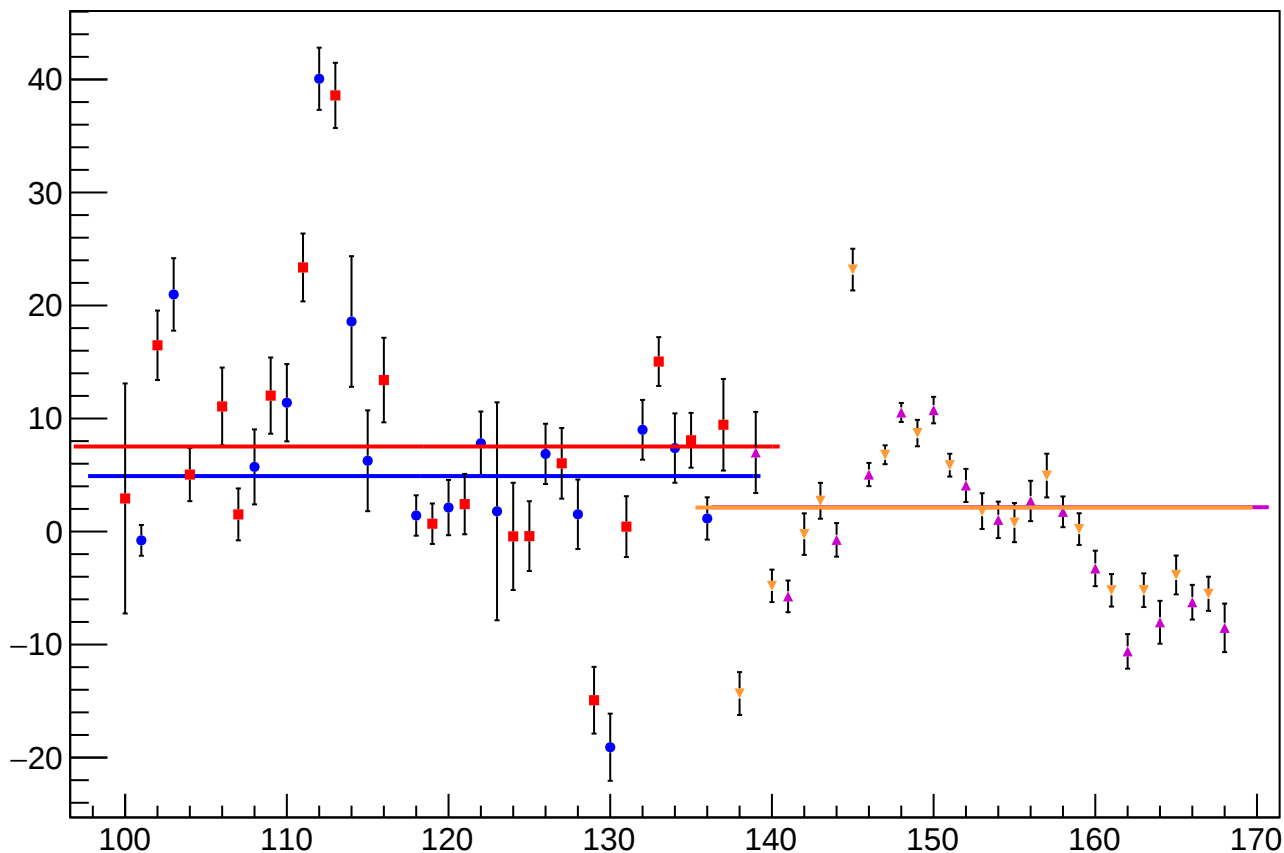
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.021+/-0.518 χ^2/NDF :883.1/14

Out: -64.795+/-0.509 χ^2/NDF :943.0/15

All: -64.906+/-0.363 χ^2/NDF : 1826.2/30

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: 2.125 ± 0.351 $\chi^2/\text{NDF}: 399.8/15$

Right Out: 7.523 ± 0.651 $\chi^2/\text{NDF}: 270.6/18$

Left In: 2.151 ± 0.363 $\chi^2/\text{NDF}: 366.0/14$

Left: 2.138 ± 0.252 $\chi^2/\text{NDF}: 765.9/30$

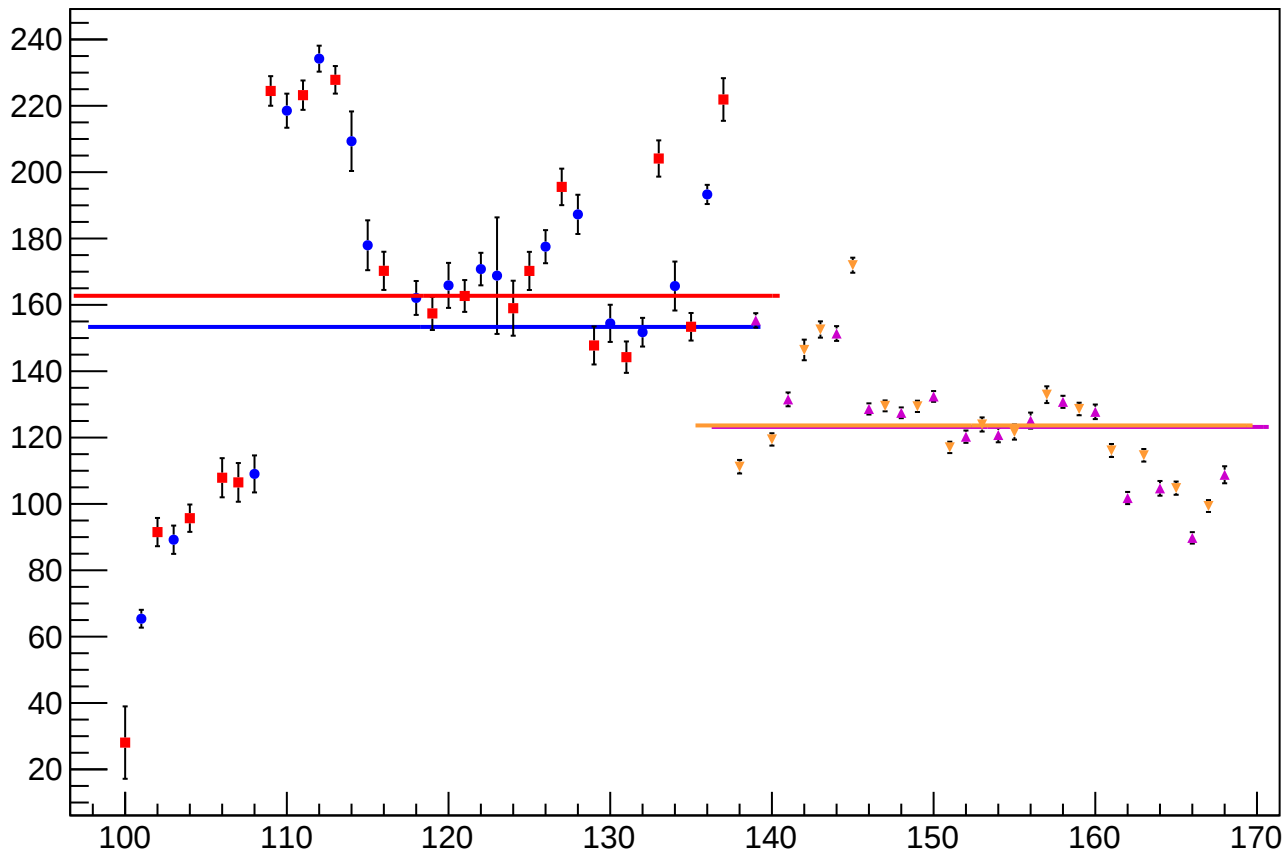
Right: 6.168 ± 0.452 $\chi^2/\text{NDF}: 574.4/35$

In: 2.842 ± 0.314 $\chi^2/\text{NDF}: 675.9/31$

Out: 3.341 ± 0.309 $\chi^2/\text{NDF}: 723.8/34$

All: 3.096 ± 0.220 $\chi^2/\text{NDF}: 1400.9/66$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 123.657 $\pm$ 0.500 χ^2 /NDF:1057.9/15

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

Left In: 123.205 $\pm$ 0.505 χ^2 /NDF:1082.7/14

Left: 123.433 $\pm$ 0.356 χ^2 /NDF: 2140.9/30

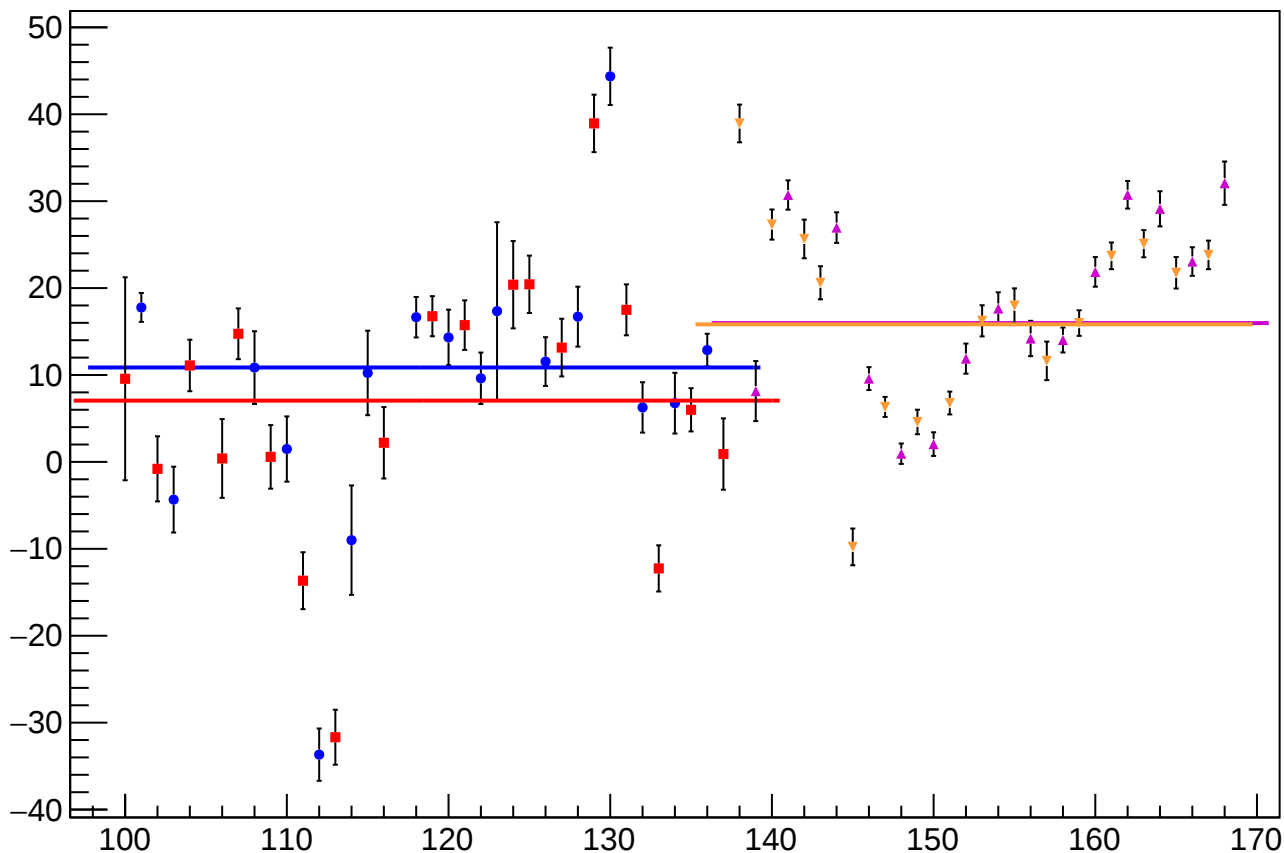
Right: 157.935 $\pm$ 0.823 χ^2 /NDF: 4009.6/35

In: 128.083 $\pm$ 0.463 χ^2 /NDF:3926.7/31

Out: 129.641 $\pm$ 0.461 χ^2 /NDF:3700.3/34

All: 128.866 $\pm$ 0.326 χ^2 /NDF: 7632.7/66

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: 15.827 $\pm$ 0.414 χ^2 /NDF:609.7/15

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

Left In: 15.971 $\pm$ 0.428 χ^2 /NDF:622.2/14

Left: 15.897 $\pm$ 0.298 χ^2 /NDF: 1232.0/30

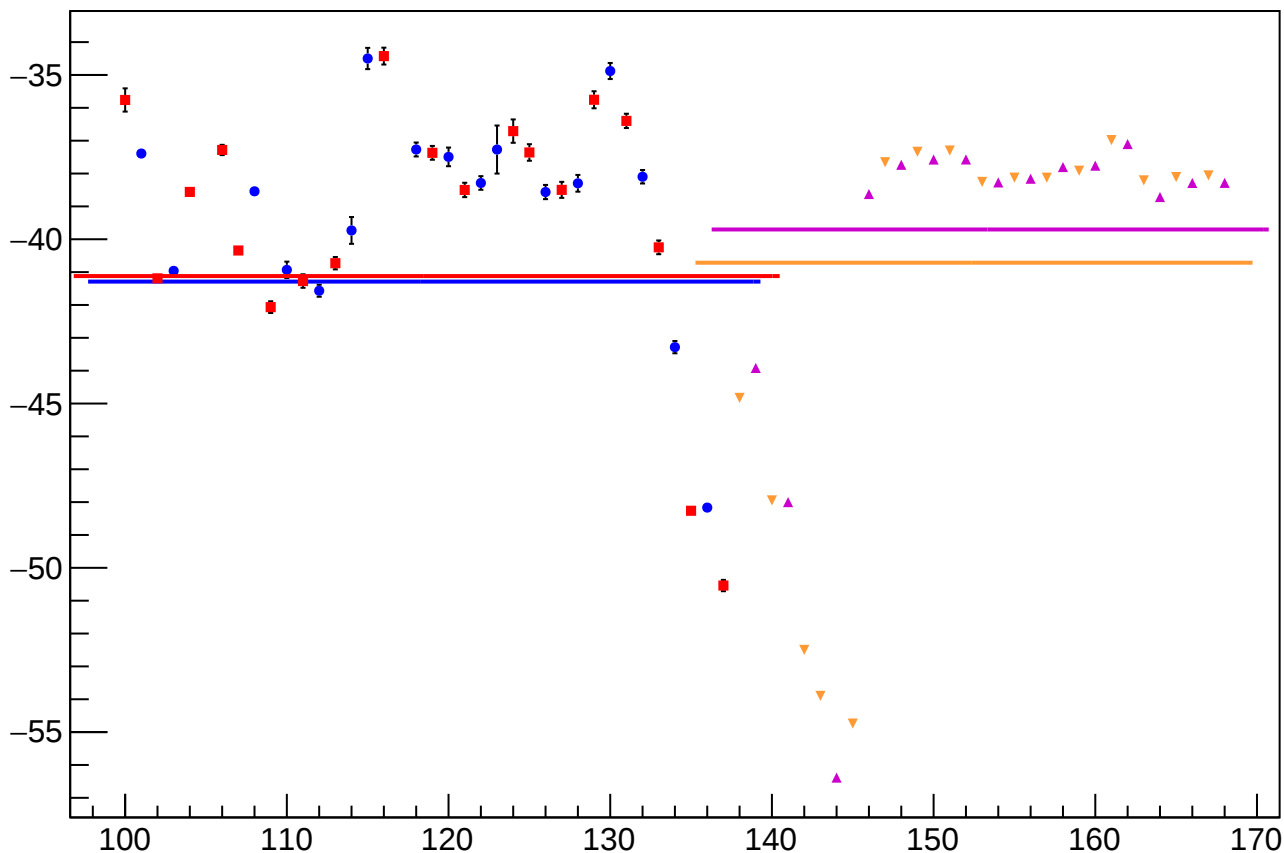
Right: 9.031 $\pm$ 0.518 χ^2 /NDF: 826.1/35

In: 14.637 $\pm$ 0.368 χ^2 /NDF:1047.4/31

Out: 13.764 $\pm$ 0.362 χ^2 /NDF:1139.8/34

All: 14.194 $\pm$ 0.258 χ^2 /NDF: 2190.0/66

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: -40.714 ± 0.020 $\chi^2/\text{NDF}: 78238.5/15$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

Left In: -39.702 ± 0.020 $\chi^2/\text{NDF}: 48779.3/14$

Left: -40.212 ± 0.014 $\chi^2/\text{NDF}: 128291.3/30$

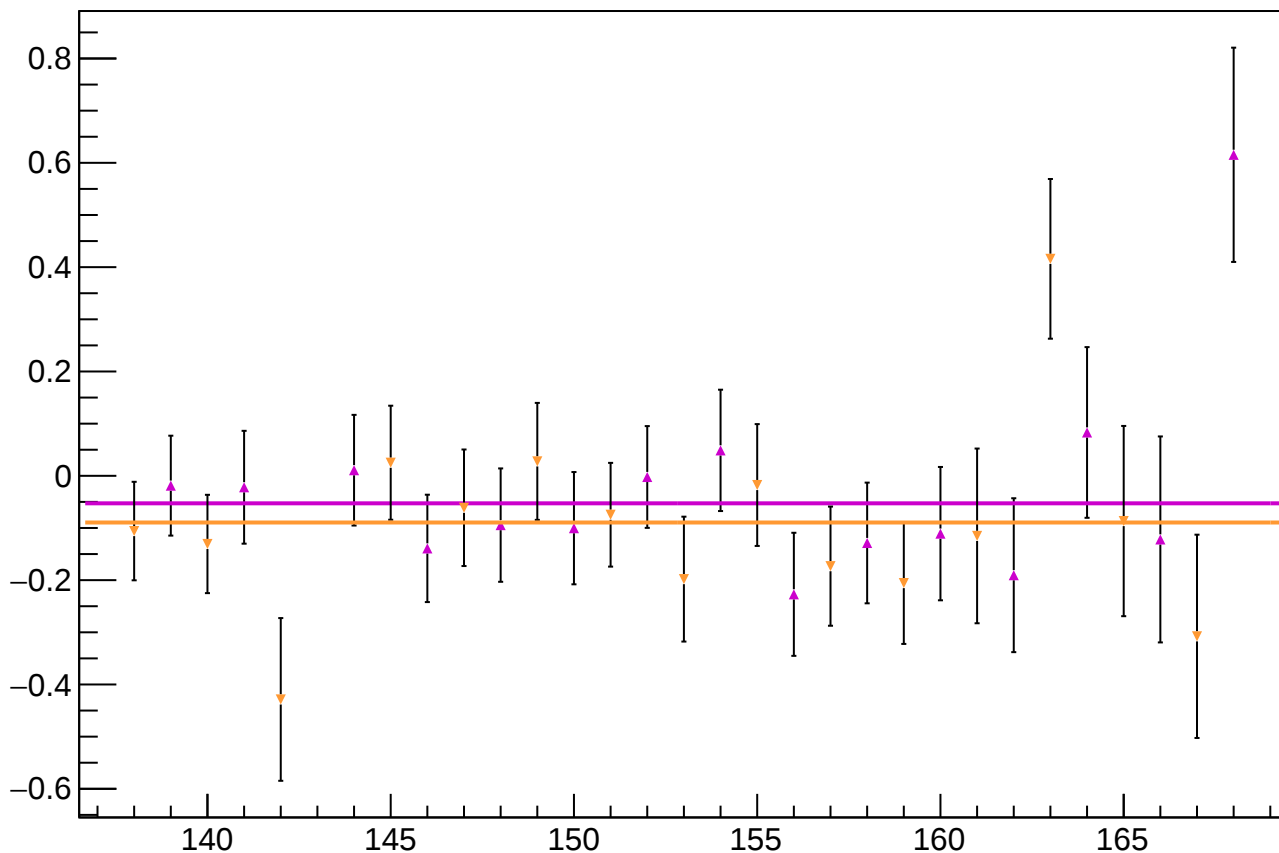
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24629.1/35$

In: -40.041 ± 0.018 $\chi^2/\text{NDF}: 62615.9/31$

Out: -40.799 ± 0.018 $\chi^2/\text{NDF}: 90436.5/34$

All: -40.422 ± 0.013 $\chi^2/\text{NDF}: 153960.3/66$

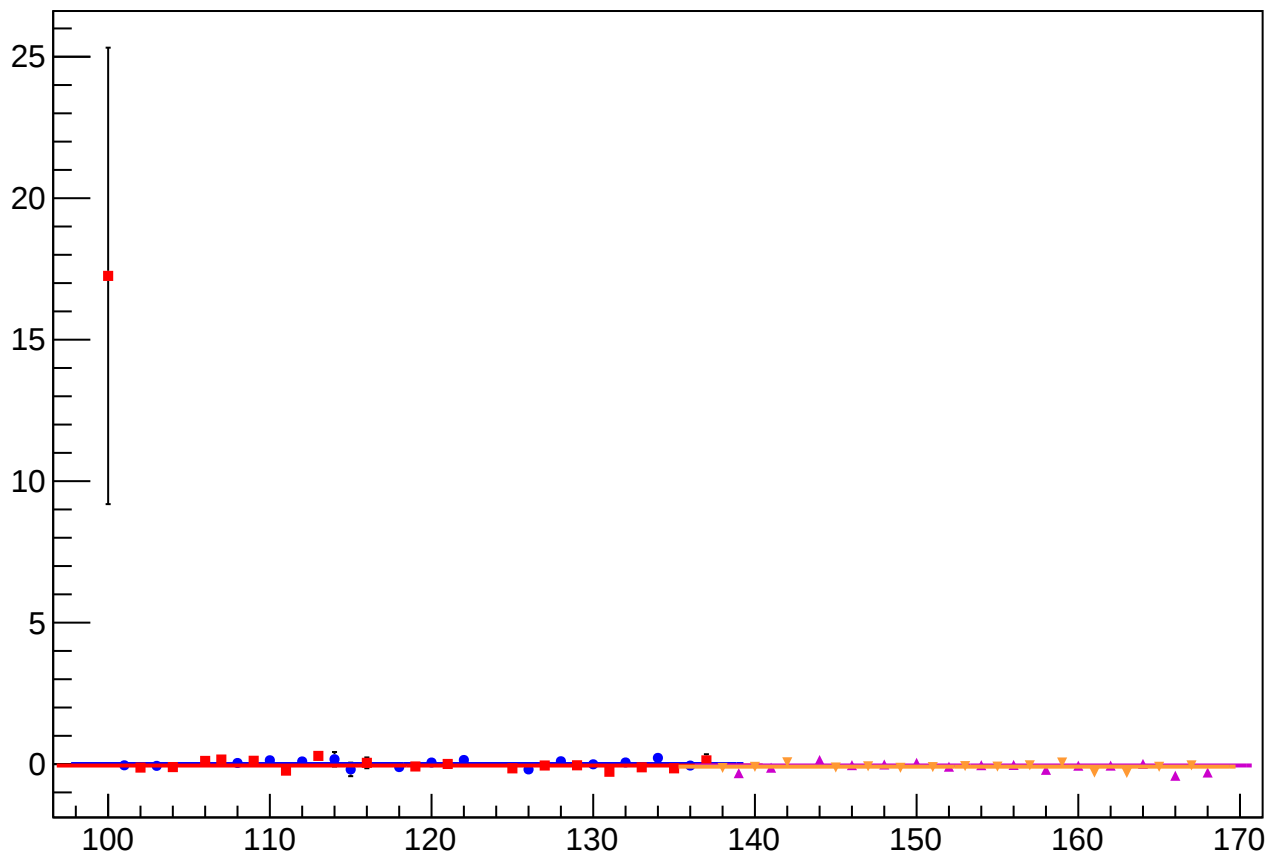
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.089+/-0.031 χ^2/NDF :22.1/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.053+/-0.031 χ^2/NDF :17.7/14

Left: -0.071+/-0.022 χ^2/NDF : 40.6/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.053+/-0.031 χ^2/NDF :17.7/14
 Out: -0.089+/-0.031 χ^2/NDF :22.1/14
 All: -0.071+/-0.022 χ^2/NDF : 40.6/29

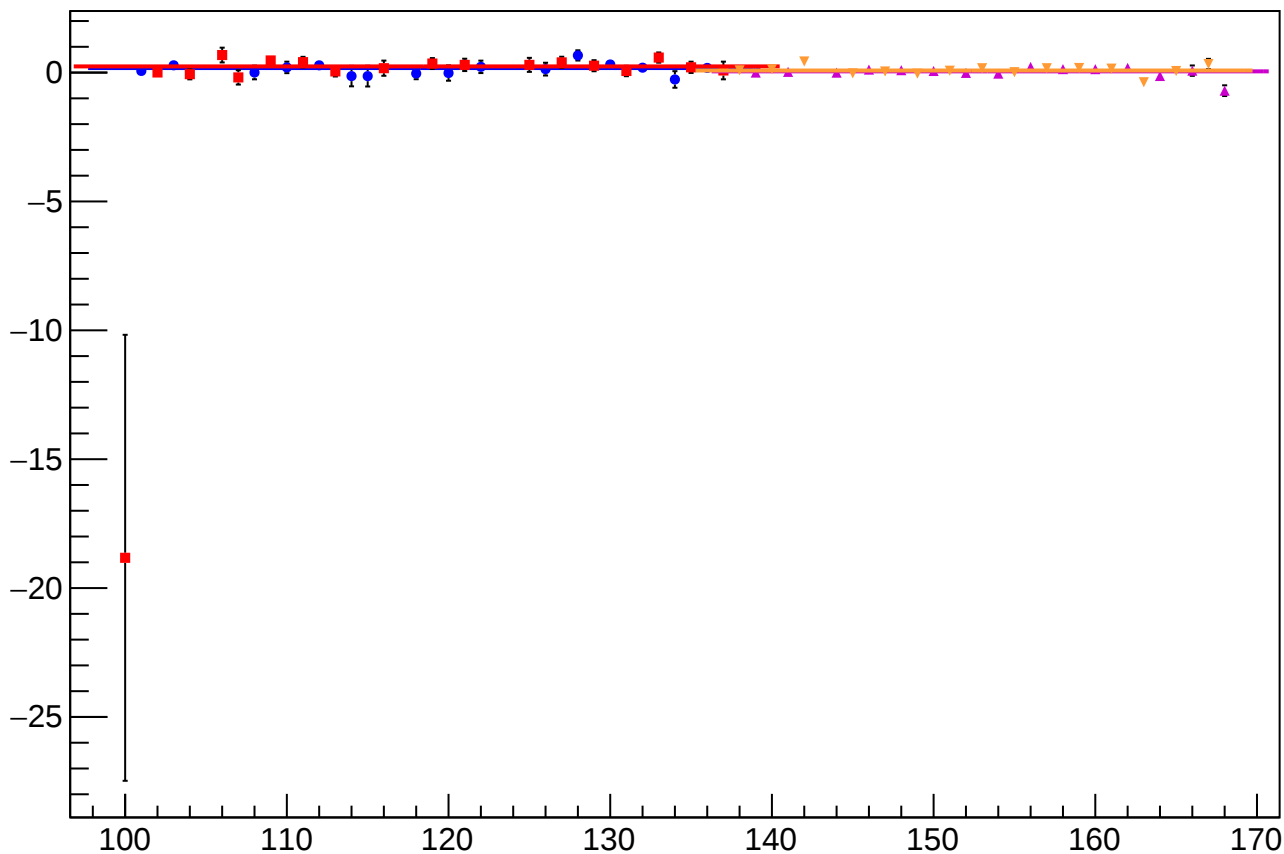
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 $\chi^2/\text{NDF}: 12.4/15$
 Left Out: -0.090 ± 0.022 $\chi^2/\text{NDF}: 13.7/14$
 Right Out: -0.050 ± 0.029 $\chi^2/\text{NDF}: 25.6/17$
 Left In: -0.048 ± 0.022 $\chi^2/\text{NDF}: 22.5/14$

Left: -0.069 ± 0.015 $\chi^2/\text{NDF}: 38.1/29$
 Right: -0.023 ± 0.020 $\chi^2/\text{NDF}: 39.7/33$
 In: -0.029 ± 0.017 $\chi^2/\text{NDF}: 37.0/30$
 Out: -0.076 ± 0.017 $\chi^2/\text{NDF}: 40.5/32$
 All: -0.052 ± 0.012 $\chi^2/\text{NDF}: 81.1/63$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.080+/-0.030 χ^2/NDF :20.9/14

Right Out: 0.240+/-0.054 χ^2/NDF : 21.6/17

Left In: 0.047+/-0.030 χ^2/NDF :21.0/14

Left: 0.064+/-0.021 χ^2/NDF : 42.5/29

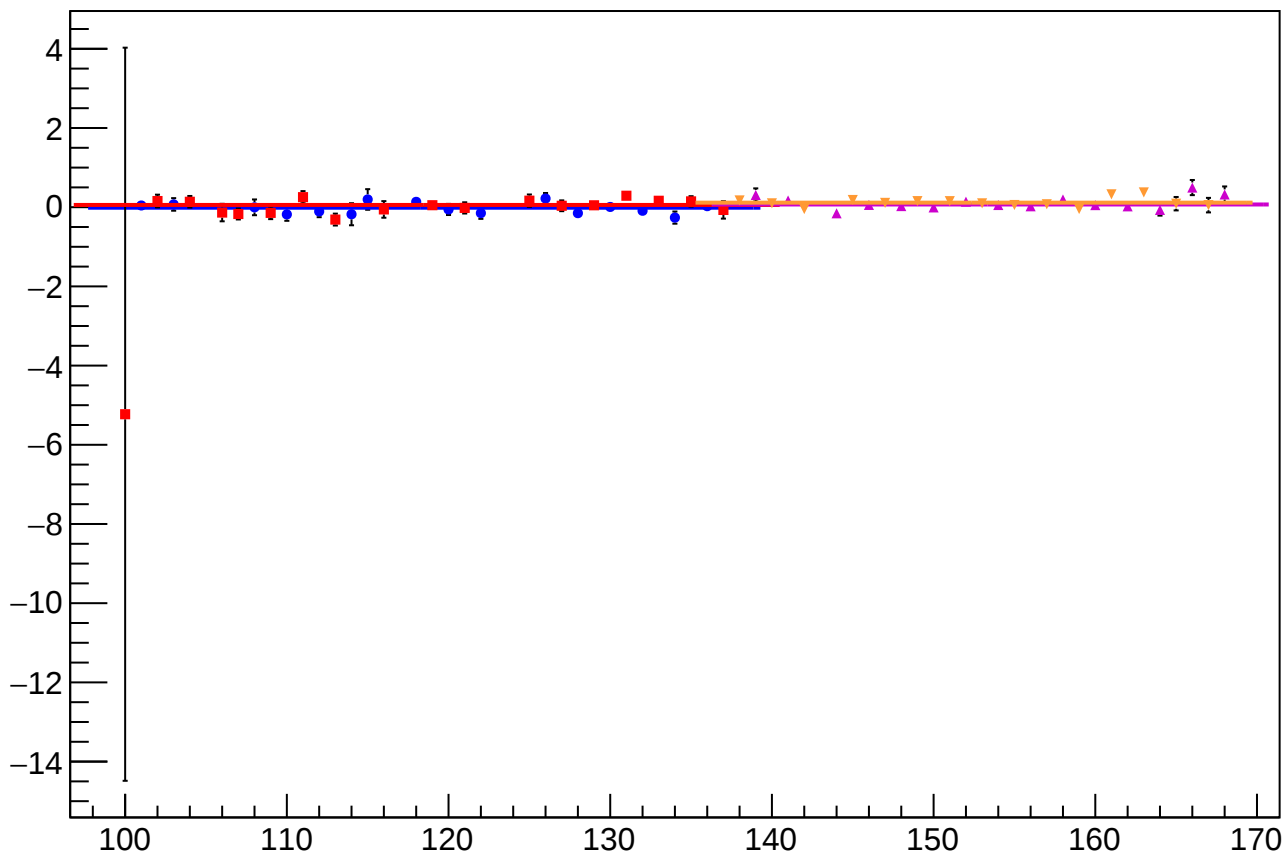
Right: 0.207+/-0.038 χ^2/NDF : 35.3/33

In: 0.079+/-0.026 χ^2/NDF :38.5/30

Out: 0.119+/-0.026 χ^2/NDF :49.1/32

All: 0.098+/-0.019 χ^2/NDF : 88.8/63

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.115 ± 0.026 χ^2/NDF : 14.6/14

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.069 ± 0.025 χ^2/NDF : 21.3/14

Left: 0.091 ± 0.018 χ^2/NDF : 37.6/29

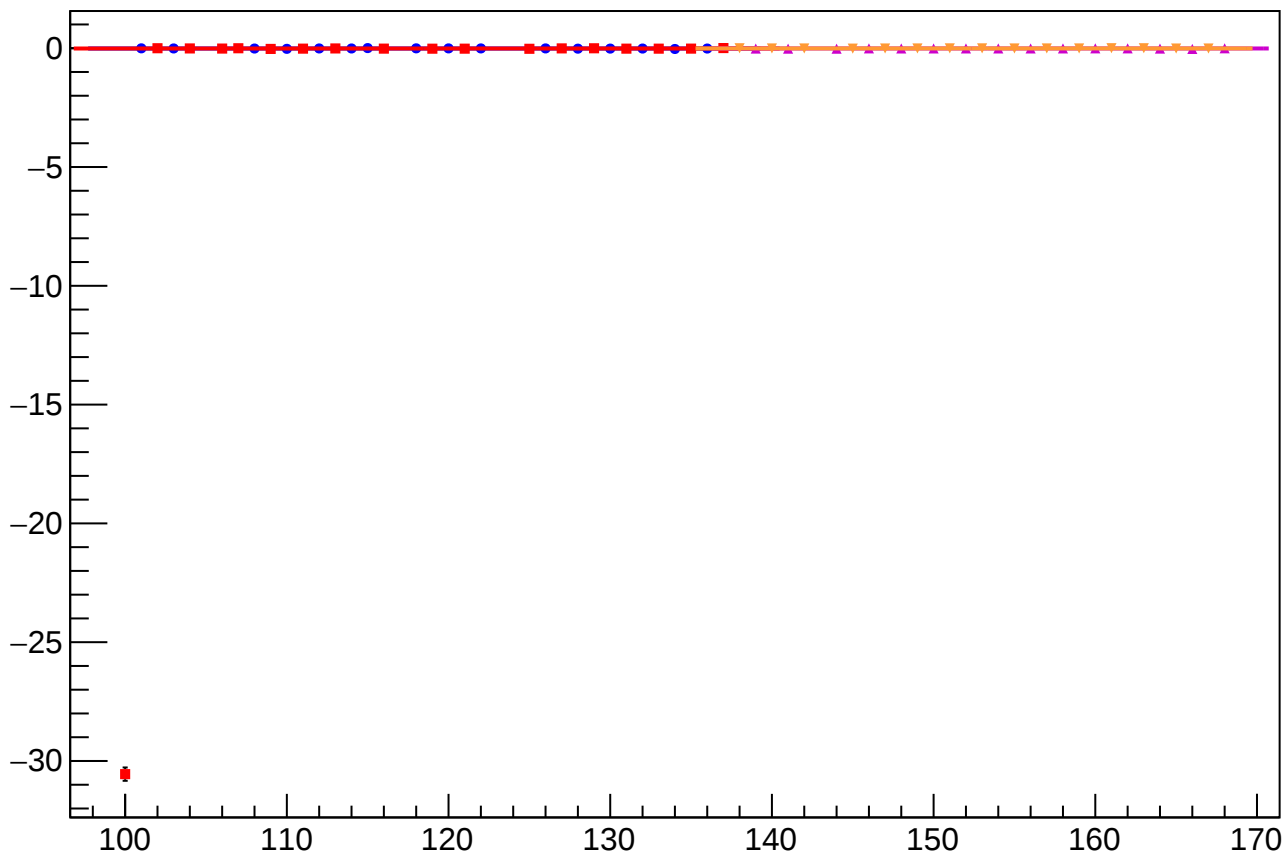
Right: 0.021 ± 0.024 χ^2/NDF : 36.2/33

In: 0.038 ± 0.020 χ^2/NDF : 38.8/30

Out: 0.094 ± 0.020 χ^2/NDF : 36.8/32

All: 0.065 ± 0.014 χ^2/NDF : 79.4/63

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:12.5/14

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

Left In: -0.011 $\pm$ 0.001 χ^2 /NDF:17.3/14

Left: -0.010 $\pm$ 0.001 χ^2 /NDF: 31.8/29

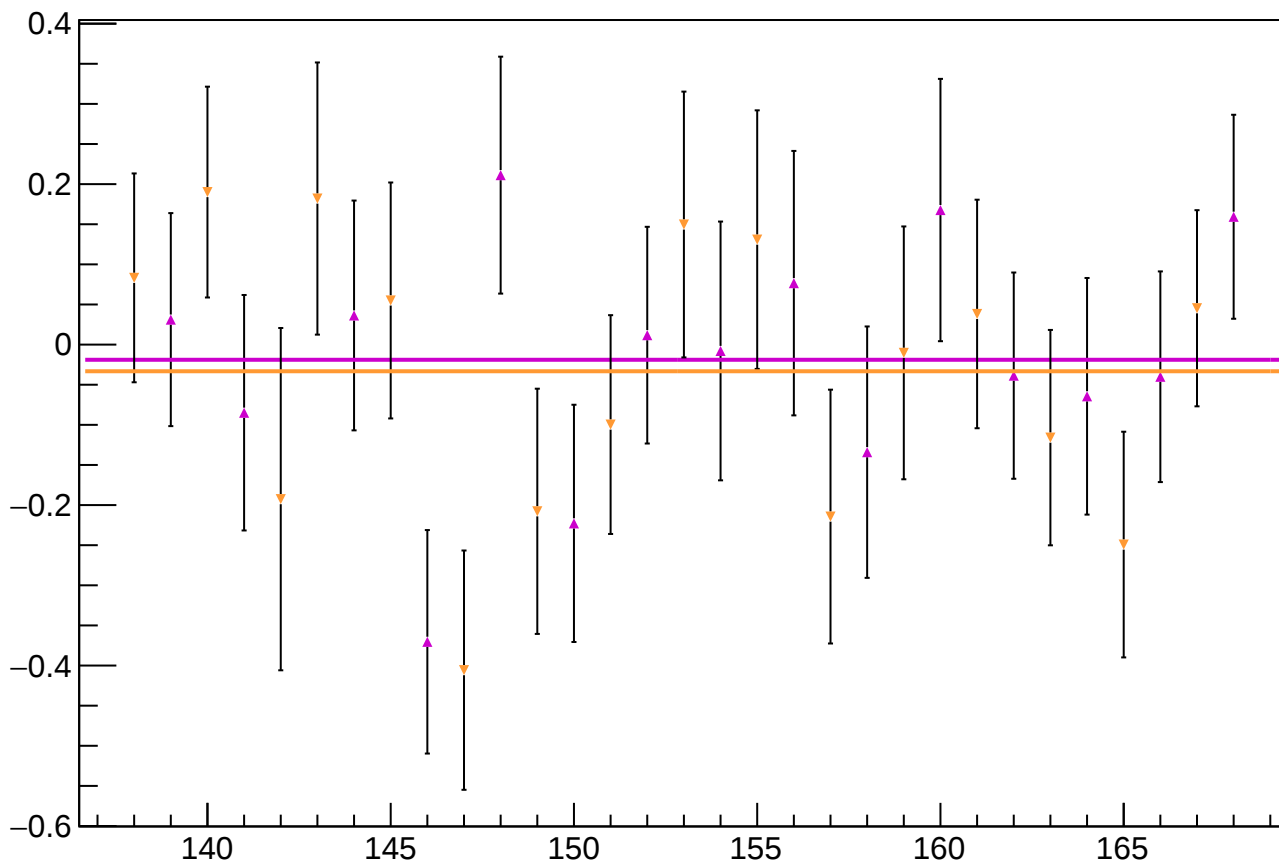
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.1/33

In: -0.011 $\pm$ 0.001 χ^2 /NDF:30.3/30

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11906.9/32

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11938.6/63

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: -0.033 $\pm$ 0.037 χ^2 /NDF:21.0/15

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

Left In: -0.019 $\pm$ 0.037 χ^2 /NDF:15.5/14

Left: -0.026 $\pm$ 0.026 χ^2 /NDF: 36.6/30

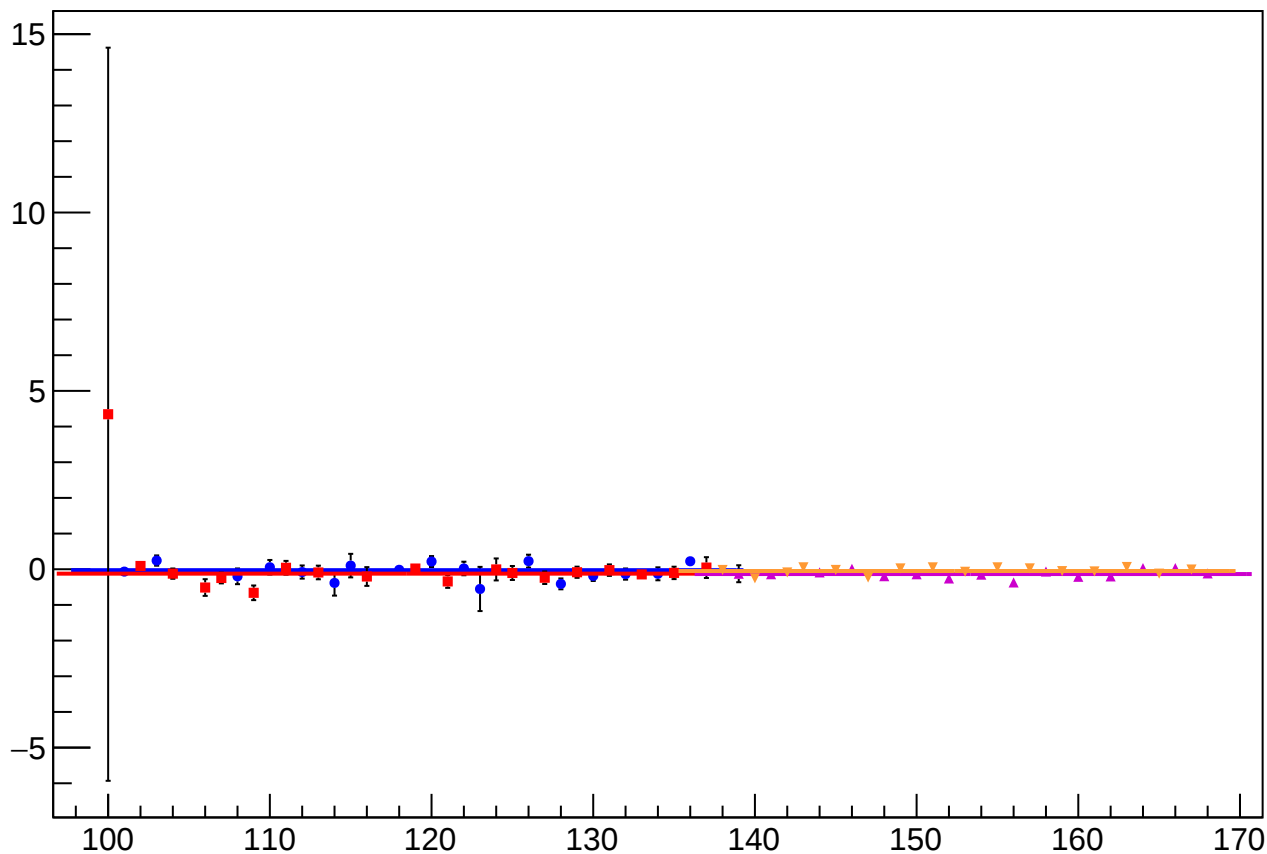
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.019 $\pm$ 0.037 χ^2 /NDF:15.5/14

Out: -0.033 $\pm$ 0.037 χ^2 /NDF:21.0/15

All: -0.026 $\pm$ 0.026 χ^2 /NDF: 36.6/30

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.050 ± 0.026 χ^2/NDF : 16.5/15

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

Left In: -0.135 ± 0.027 χ^2/NDF : 15.1/14

Left: -0.091 ± 0.019 χ^2/NDF : 36.7/30

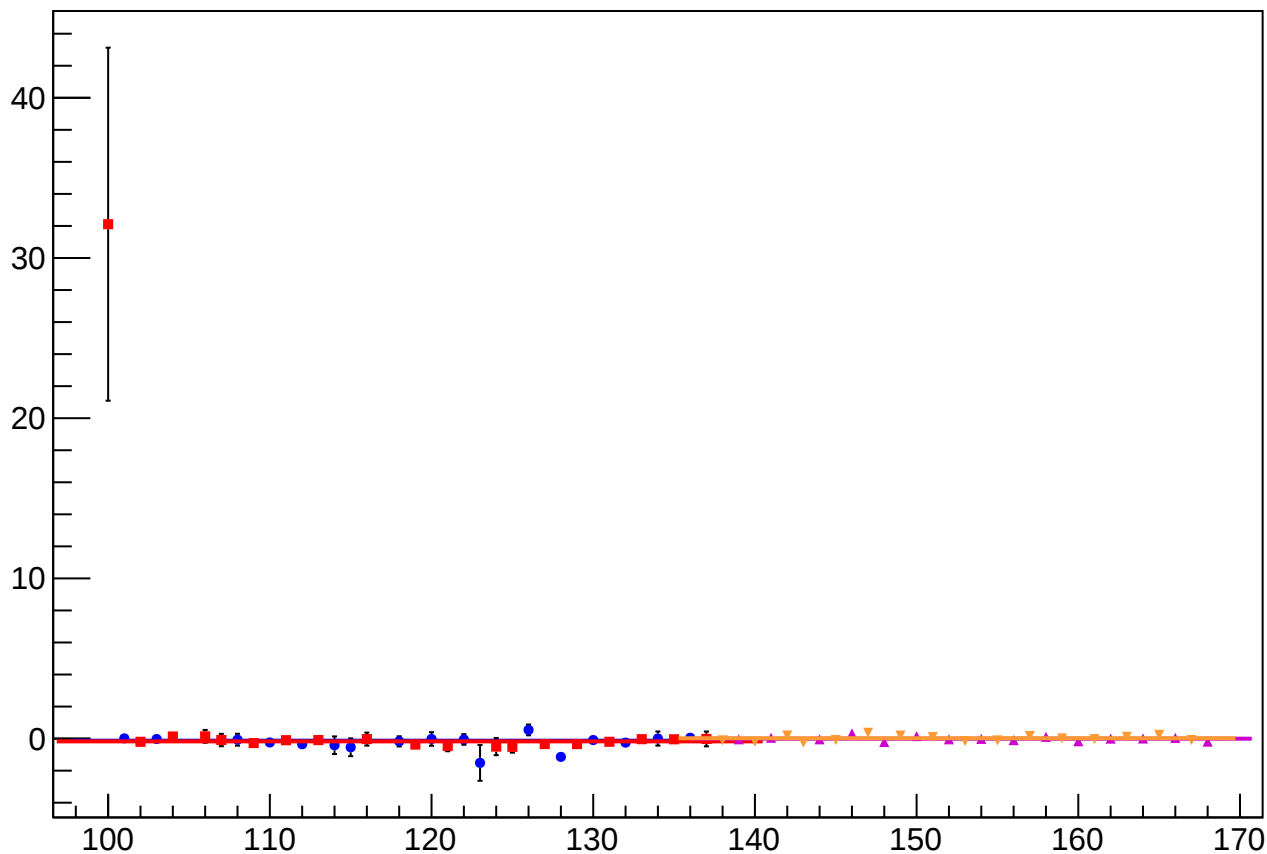
Right: -0.072 ± 0.027 χ^2/NDF : 44.3/35

In: -0.097 ± 0.022 χ^2/NDF : 43.5/31

Out: -0.072 ± 0.022 χ^2/NDF : 37.3/34

All: -0.085 ± 0.015 χ^2/NDF : 81.4/66

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.024 ± 0.036 χ^2/NDF : 20.9/15

Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

Left In: -0.004 ± 0.036 χ^2/NDF : 14.1/14

Left: 0.010 ± 0.026 χ^2/NDF : 35.4/30

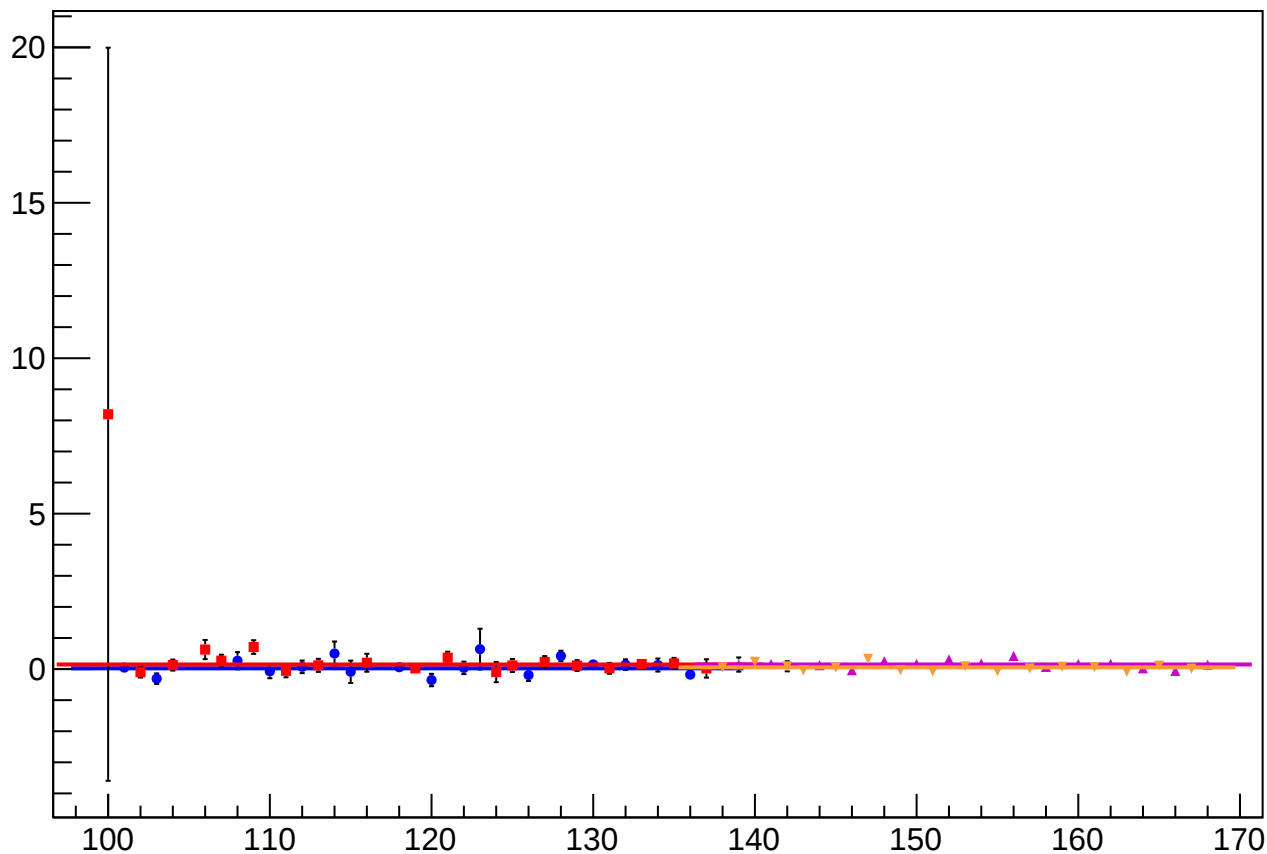
Right: -0.150 ± 0.049 χ^2/NDF : 38.2/35

In: -0.033 ± 0.032 χ^2/NDF : 39.9/31

Out: -0.017 ± 0.032 χ^2/NDF : 41.9/34

All: -0.025 ± 0.023 χ^2/NDF : 81.9/66

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.055+/-0.030 χ^2/NDF :15.4/15

Right Out: 0.148+/-0.045 χ^2/NDF : 16.6/18

Left In: 0.148+/-0.031 χ^2/NDF :14.7/14

Left: 0.100+/-0.022 χ^2/NDF : 34.8/30

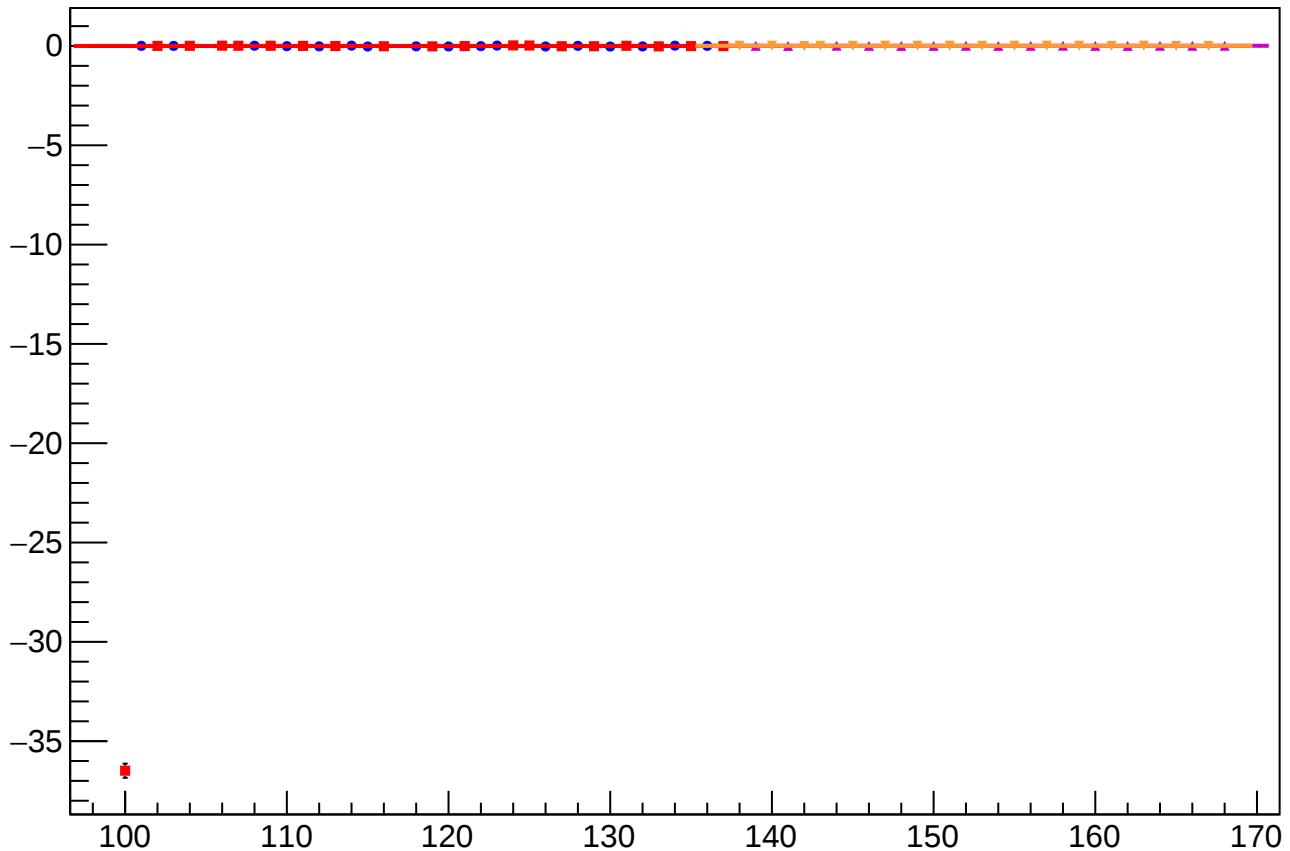
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.104+/-0.025 χ^2/NDF :41.7/31

Out: 0.084+/-0.025 χ^2/NDF :35.0/34

All: 0.094+/-0.018 χ^2/NDF : 77.0/66

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.001 χ^2 /NDF: 9.5/15

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.001 χ^2 /NDF: 5.8/14

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 16.0/30

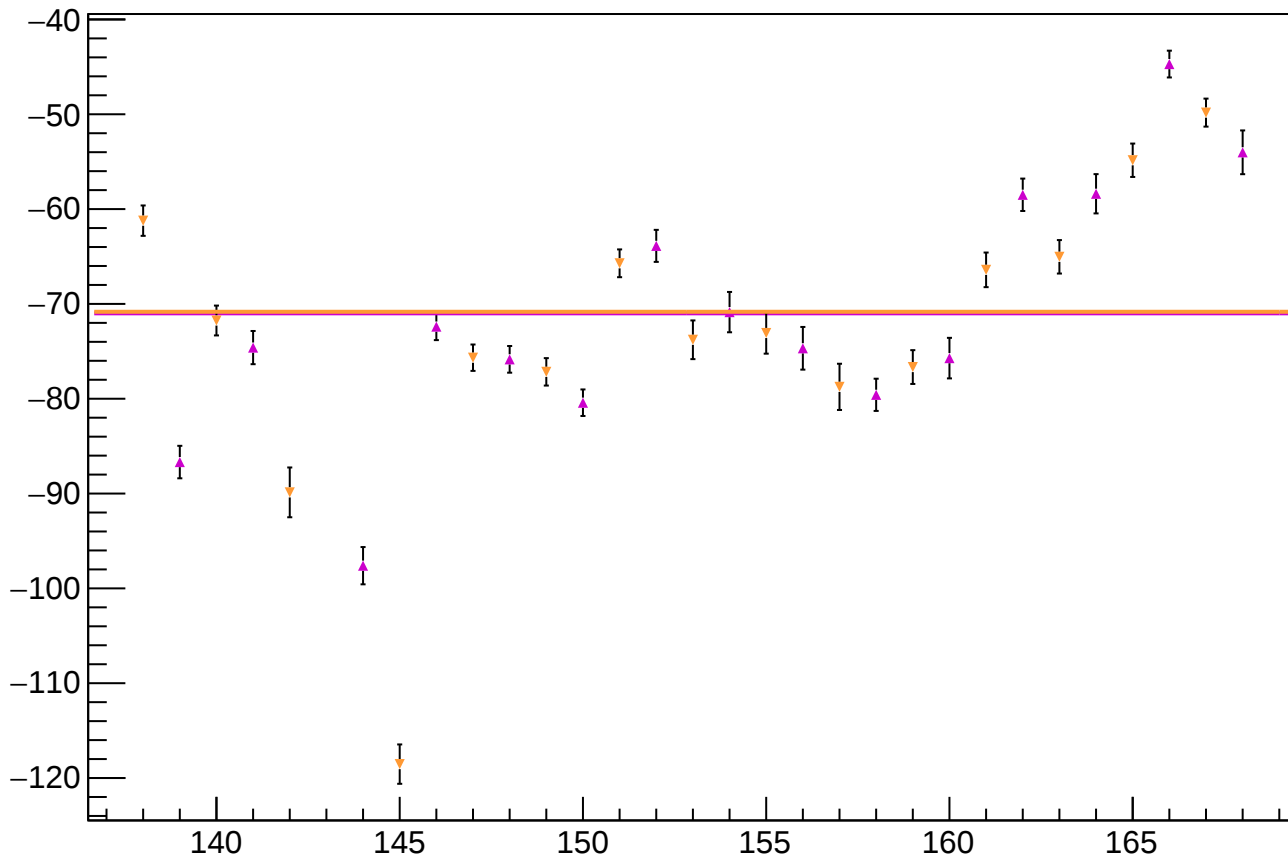
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF: 50.1/31

Out: 0.007 $\pm$ 0.001 χ^2 /NDF: 10468.9/34

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10519.5/66

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: -70.828+/-0.449 χ^2/NDF :986.4/14

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

Left In: -70.993+/-0.446 χ^2/NDF :871.7/14

Left: -70.911+/-0.316 χ^2/NDF : 1858.1/29

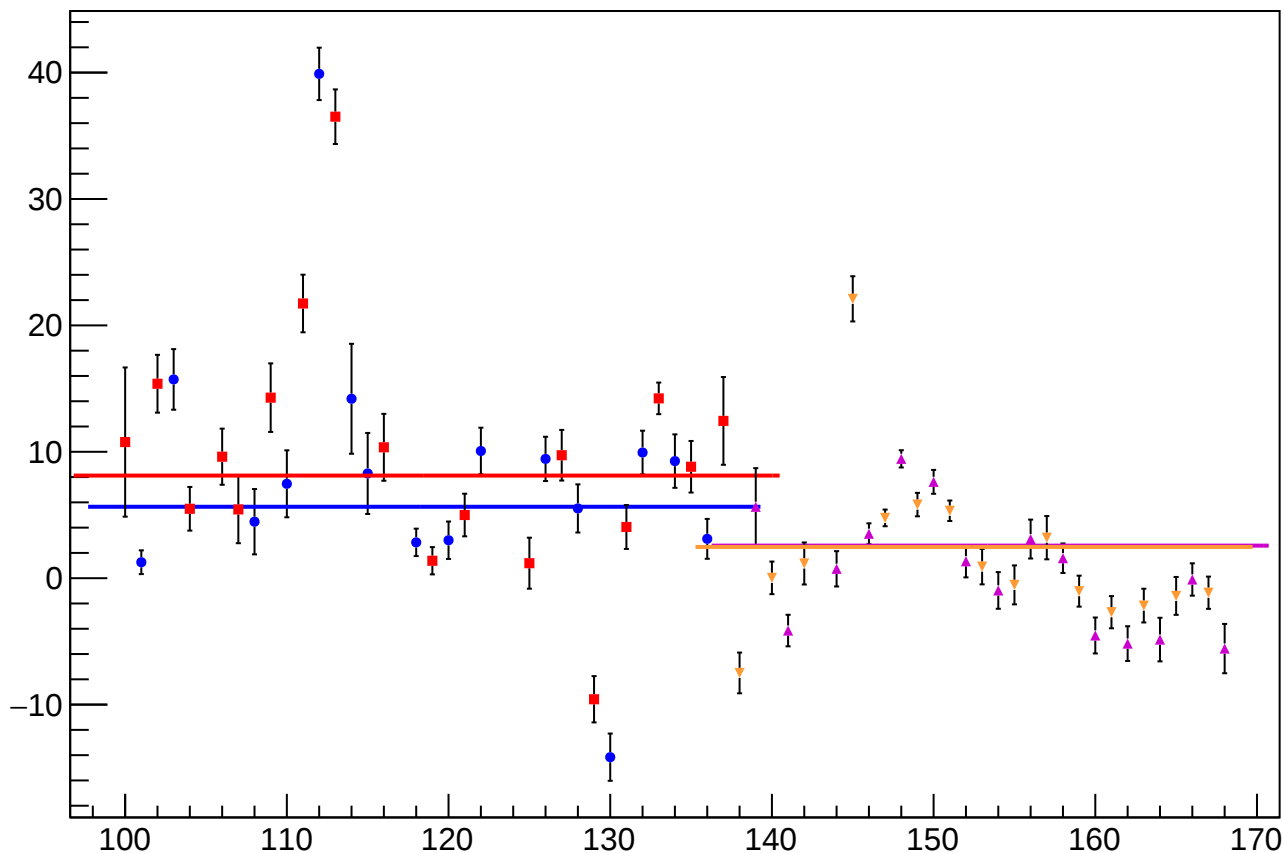
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -70.993+/-0.446 χ^2/NDF :871.7/14

Out: -70.828+/-0.449 χ^2/NDF :986.4/14

All: -70.911+/-0.316 χ^2/NDF : 1858.1/29

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 $\chi^2/\text{NDF}: 461.9/15$

Left Out: 2.474 ± 0.304 $\chi^2/\text{NDF}: 257.3/14$

Right Out: 8.119 ± 0.453 $\chi^2/\text{NDF}: 407.9/17$

Left In: 2.577 ± 0.309 $\chi^2/\text{NDF}: 267.9/14$

Left: 2.525 ± 0.217 $\chi^2/\text{NDF}: 525.3/29$

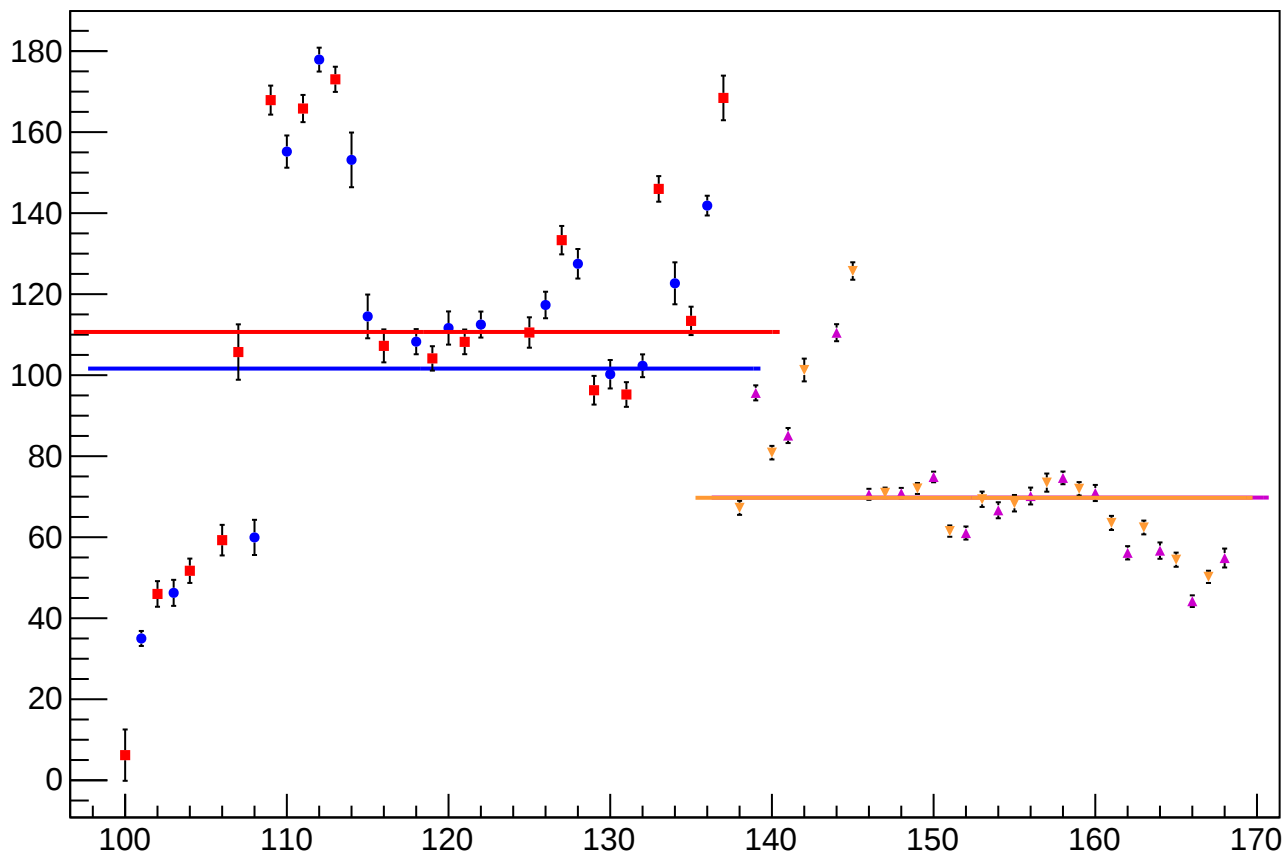
Right: 6.819 ± 0.311 $\chi^2/\text{NDF}: 885.4/33$

In: 3.626 ± 0.251 $\chi^2/\text{NDF}: 763.6/30$

Out: 4.229 ± 0.252 $\chi^2/\text{NDF}: 772.4/32$

All: 3.925 ± 0.178 $\chi^2/\text{NDF}: 1538.9/63$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 69.733 $\pm$ 0.438 χ^2 /NDF:1165.1/14

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

Left In: 69.785 $\pm$ 0.434 χ^2 /NDF:1161.9/14

Left: 69.760 $\pm$ 0.308 χ^2 /NDF: 2327.0/29

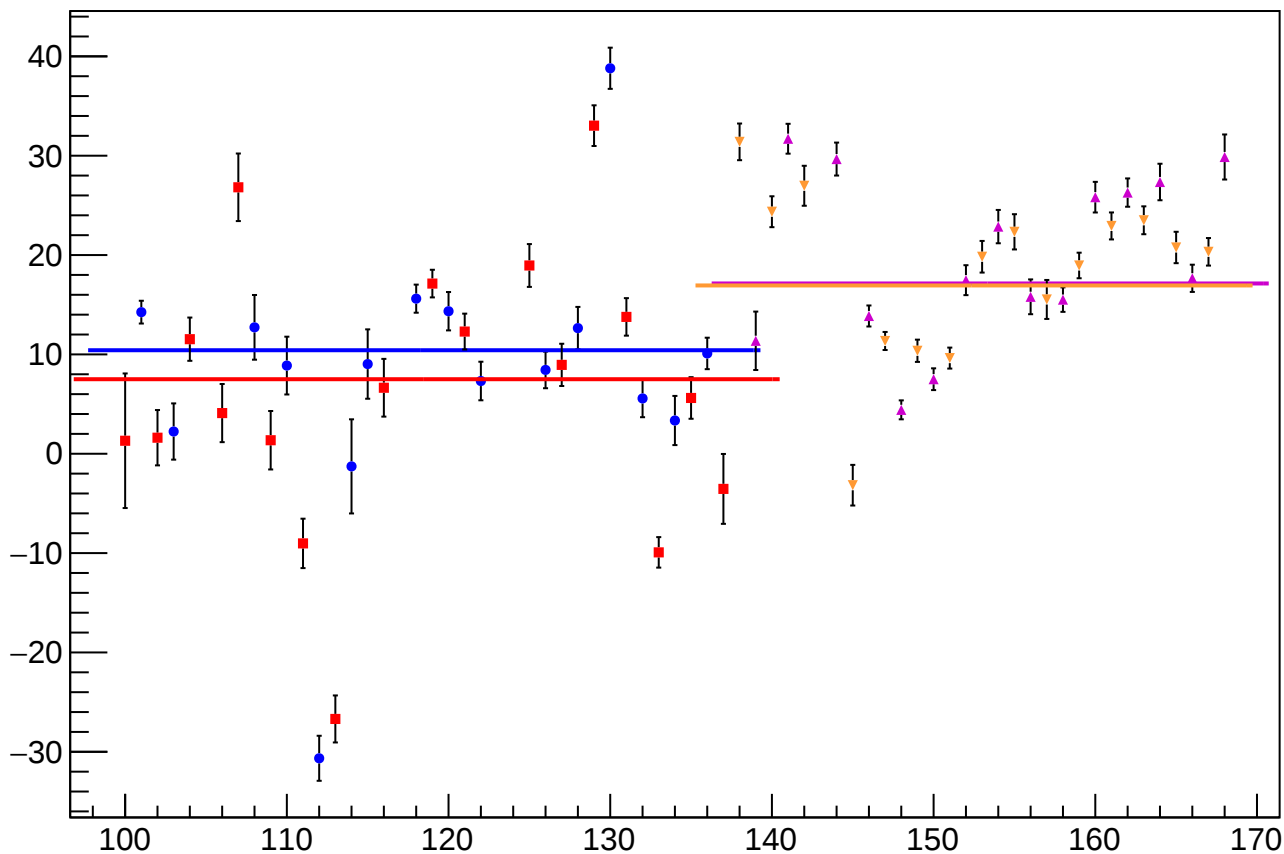
Right: 106.018 $\pm$ 0.583 χ^2 /NDF: 5554.3/33

In: 76.855 $\pm$ 0.383 χ^2 /NDF:5338.5/30

Out: 78.556 $\pm$ 0.388 χ^2 /NDF:5559.5/32

All: 77.693 $\pm$ 0.272 χ^2 /NDF: 10907.8/63

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: 16.940 $\pm$ 0.362 χ^2 /NDF: 394.4/14

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

Left In: 17.139 $\pm$ 0.366 χ^2 /NDF: 569.2/14

Left: 17.039 $\pm$ 0.257 χ^2 /NDF: 963.8/29

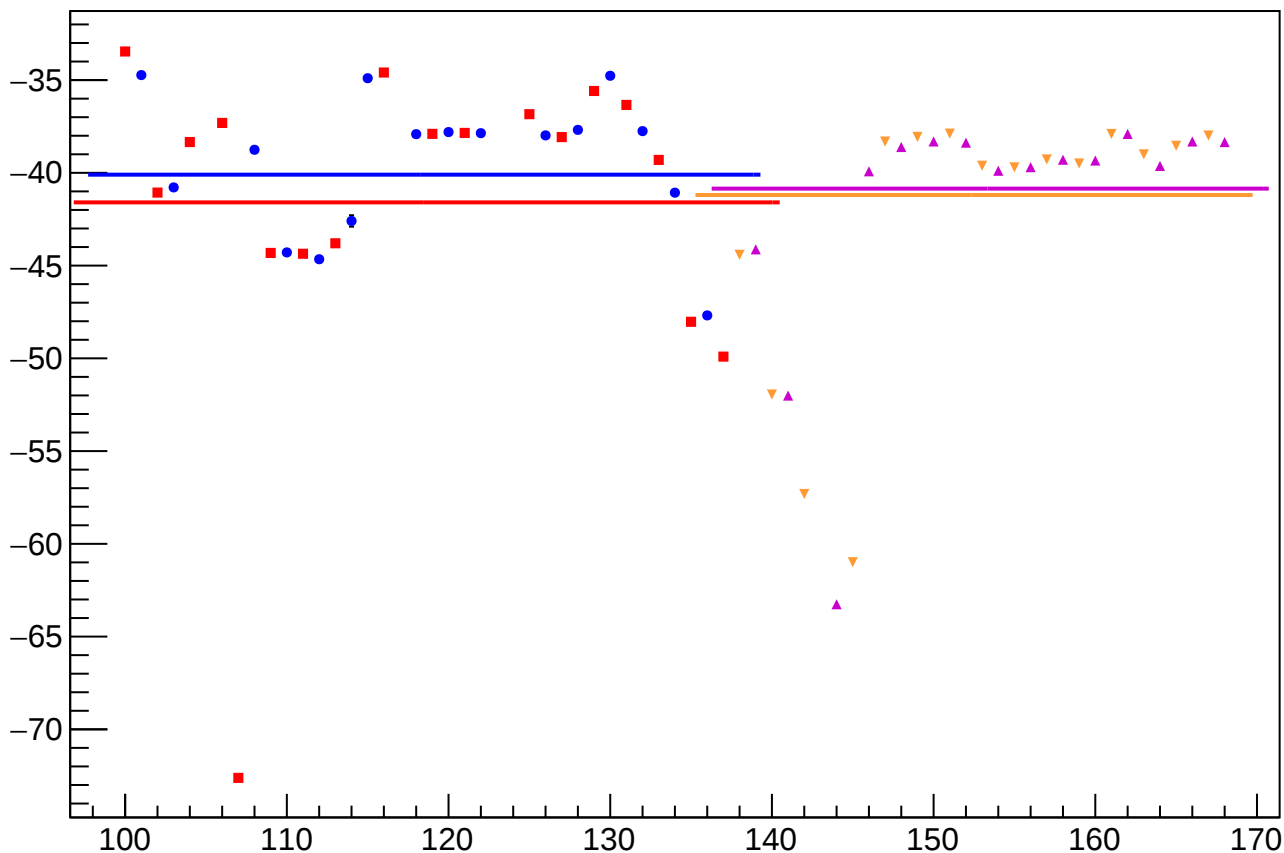
Right: 9.035 $\pm$ 0.360 χ^2 /NDF: 1285.5/33

In: 14.779 $\pm$ 0.295 χ^2 /NDF: 1267.4/30

Out: 13.889 $\pm$ 0.298 χ^2 /NDF: 1304.0/32

All: 14.338 $\pm$ 0.209 χ^2 /NDF: 2575.9/63

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -41.194 ± 0.018 $\chi^2/\text{NDF}: 116134.7/14$

Right Out: -41.592 ± 0.029 $\chi^2/\text{NDF}: 61677.7/17$

Left In: -40.851 ± 0.017 $\chi^2/\text{NDF}: 95199.1/14$

Left: -41.020 ± 0.012 $\chi^2/\text{NDF}: 211527.5/29$

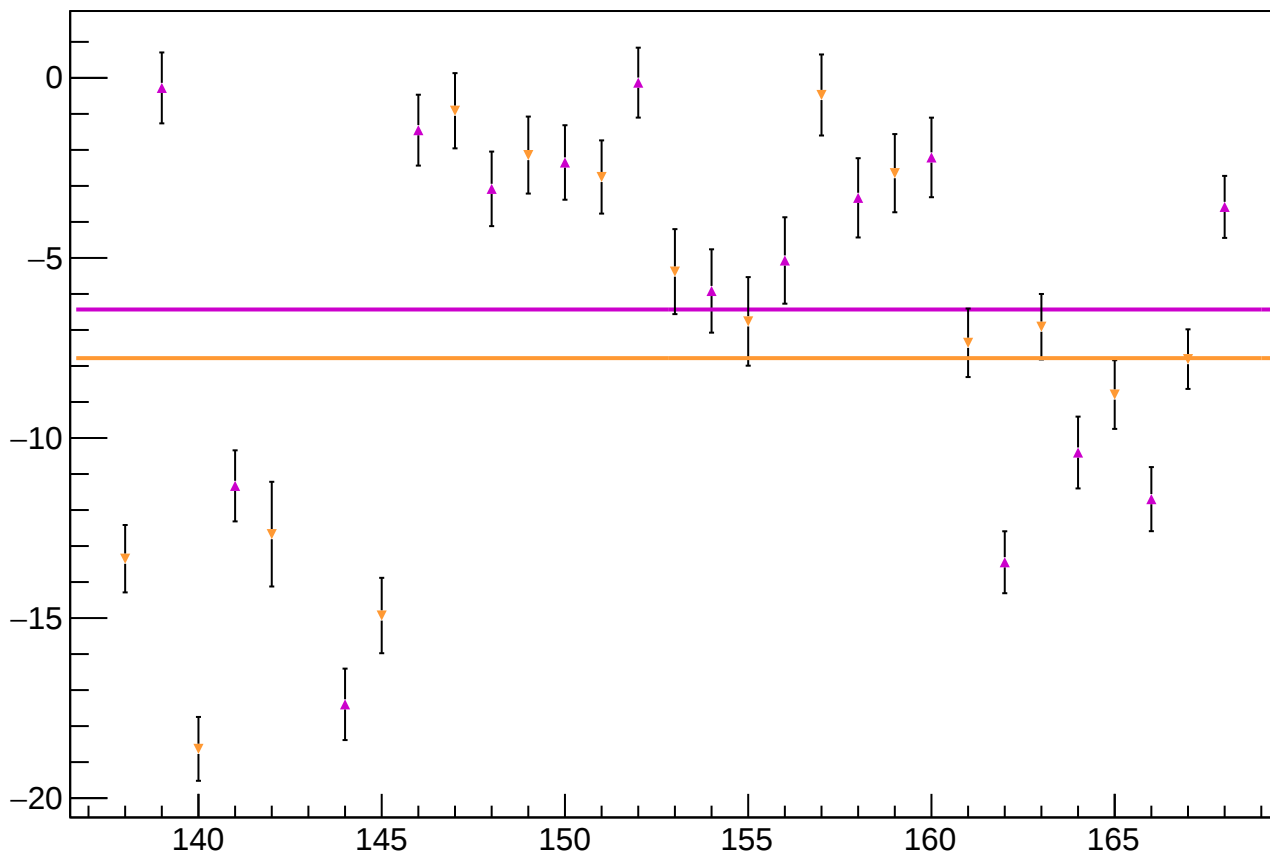
Right: -40.838 ± 0.020 $\chi^2/\text{NDF}: 88129.3/33$

In: -40.645 ± 0.015 $\chi^2/\text{NDF}: 120785.9/30$

Out: -41.303 ± 0.015 $\chi^2/\text{NDF}: 177953.0/32$

All: -40.970 ± 0.011 $\chi^2/\text{NDF}: 299716.4/63$

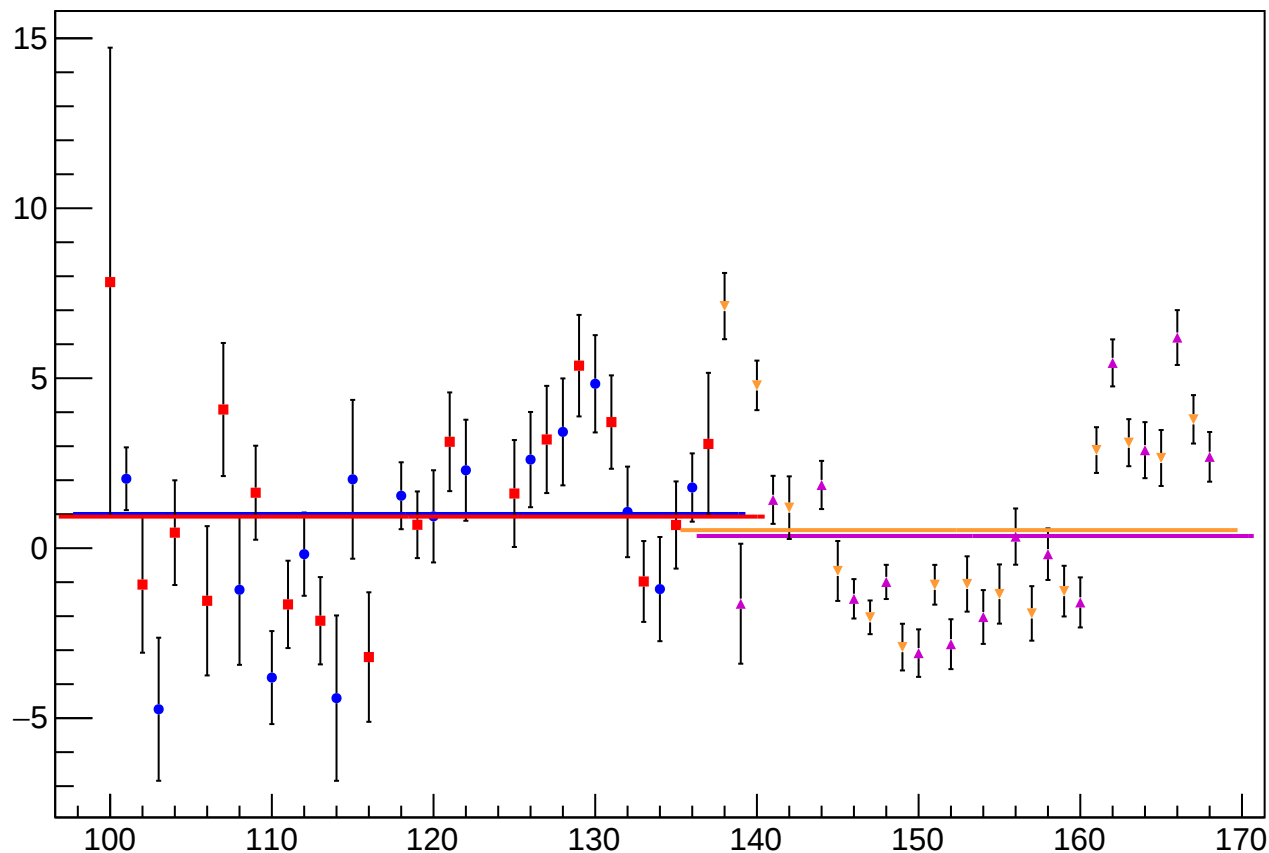
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -7.782 ± 0.263 χ^2/NDF : 410.3/14
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -6.432 ± 0.257 χ^2/NDF : 432.1/14

Left: -7.092 ± 0.184 χ^2/NDF : 855.8/29
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -6.432 ± 0.257 χ^2/NDF : 432.1/14
 Out: -7.782 ± 0.263 χ^2/NDF : 410.3/14
 All: -7.092 ± 0.184 χ^2/NDF : 855.8/29

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 0.531 ± 0.188 $\chi^2/\text{NDF}: 218.9/14$

Right Out: 0.929 ± 0.353 $\chi^2/\text{NDF}: 41.9/17$

Left In: 0.358 ± 0.186 $\chi^2/\text{NDF}: 211.1/14$

Left: 0.444 ± 0.132 $\chi^2/\text{NDF}: 430.5/29$

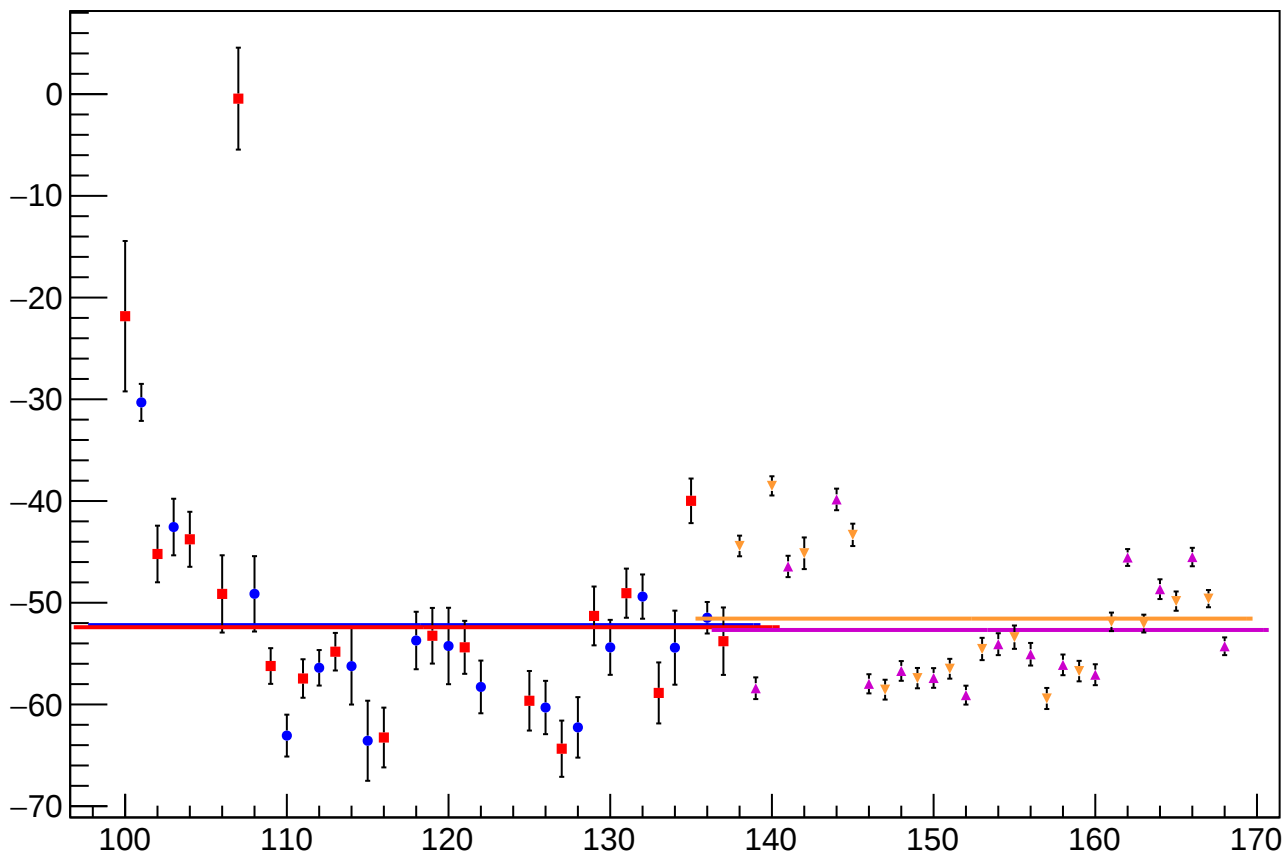
Right: 0.969 ± 0.246 $\chi^2/\text{NDF}: 84.6/33$

In: 0.507 ± 0.164 $\chi^2/\text{NDF}: 256.7/30$

Out: 0.619 ± 0.166 $\chi^2/\text{NDF}: 261.8/32$

All: 0.562 ± 0.116 $\chi^2/\text{NDF}: 518.7/63$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.561 ± 0.258 χ^2/NDF : 527.6/14

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

Left In: -52.677 ± 0.252 χ^2/NDF : 523.7/14

Left: -52.133 ± 0.180 χ^2/NDF : 1060.9/29

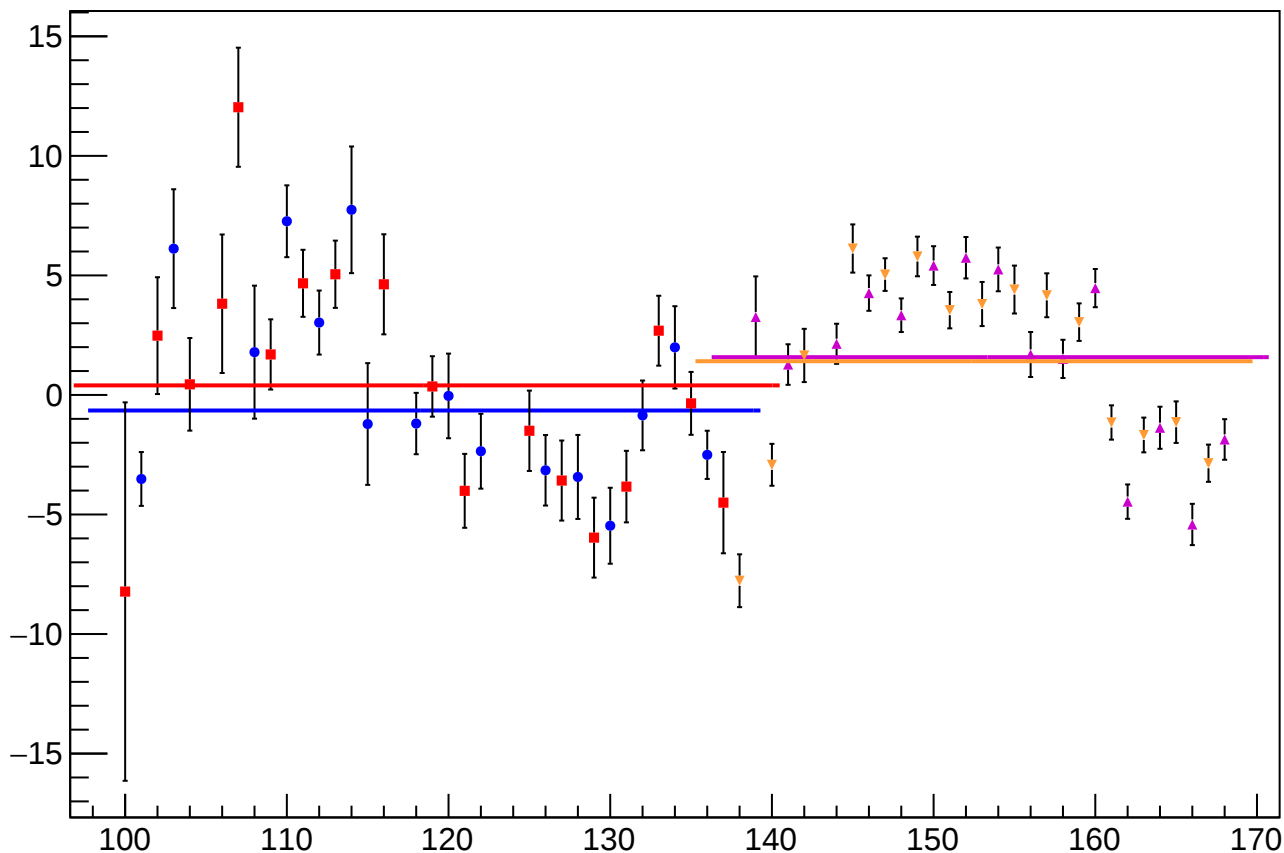
Right: -52.303 ± 0.435 χ^2/NDF : 464.6/33

In: -52.608 ± 0.233 χ^2/NDF : 754.9/30

Out: -51.688 ± 0.238 χ^2/NDF : 763.1/32

All: -52.158 ± 0.167 χ^2/NDF : 1525.6/63

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 1.411 ± 0.218 χ^2/NDF : 277.8/14

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

Left In: 1.580 ± 0.217 χ^2/NDF : 259.5/14

Left: 1.496 ± 0.154 χ^2/NDF : 537.7/29

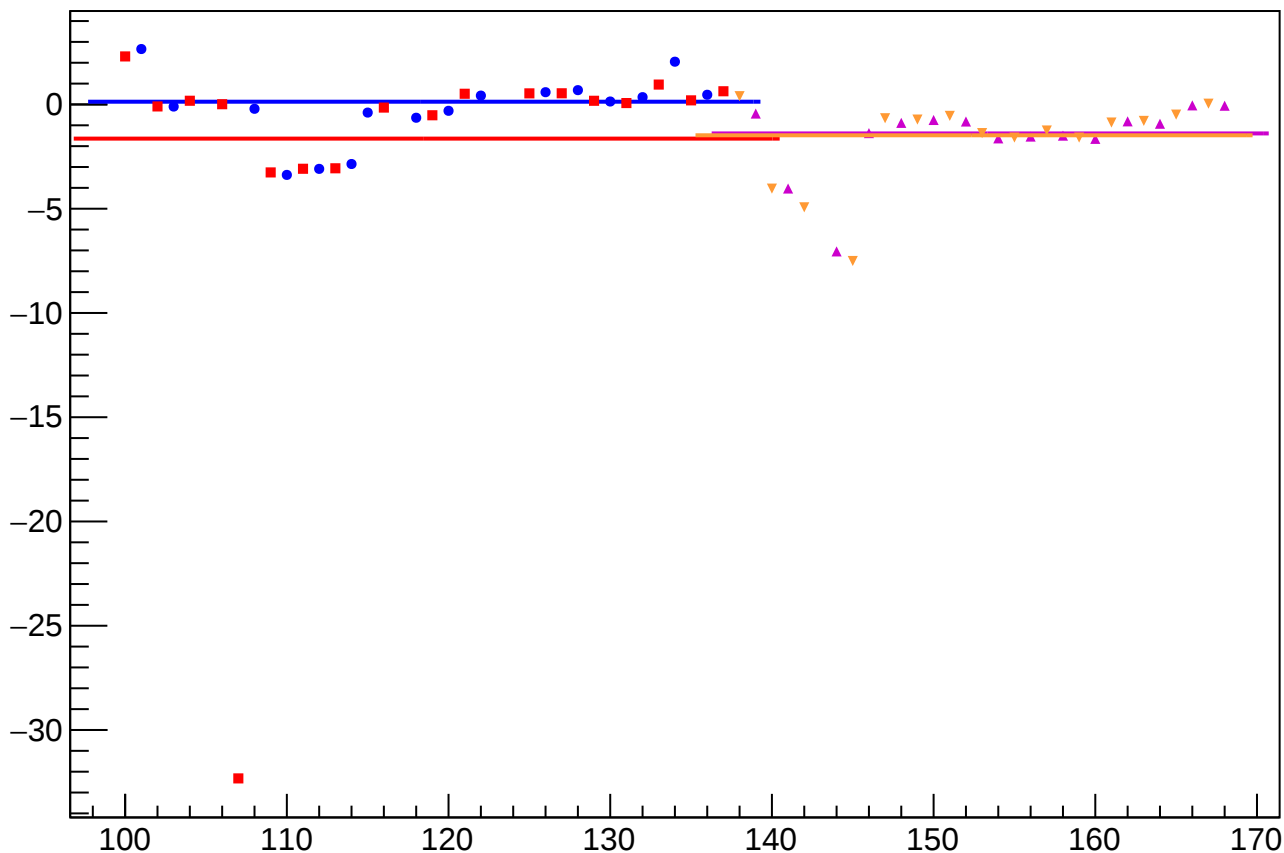
Right: -0.142 ± 0.278 χ^2/NDF : 181.4/33

In: 1.047 ± 0.189 χ^2/NDF : 366.7/30

Out: 1.179 ± 0.191 χ^2/NDF : 378.7/32

All: 1.112 ± 0.135 χ^2/NDF : 745.6/63

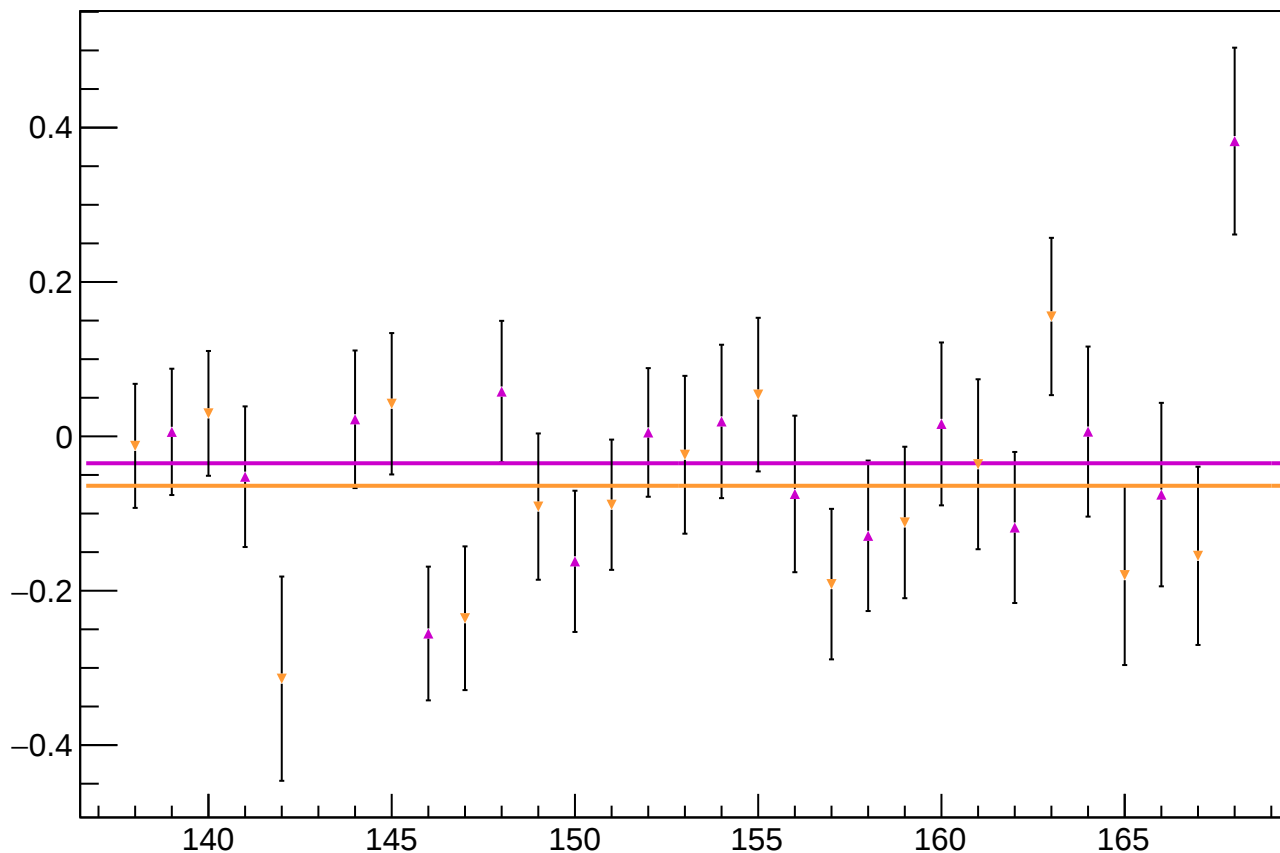
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$
 Left Out: -1.479 ± 0.010 $\chi^2/\text{NDF}: 33147.1/14$
 Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$
 Left In: -1.390 ± 0.010 $\chi^2/\text{NDF}: 23388.5/14$

Left: -1.433 ± 0.007 $\chi^2/\text{NDF}: 56574.8/29$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -1.123 ± 0.009 $\chi^2/\text{NDF}: 32743.6/30$
 Out: -1.507 ± 0.009 $\chi^2/\text{NDF}: 111039.2/32$
 All: -1.311 ± 0.006 $\chi^2/\text{NDF}: 144667.9/63$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.064 $\pm$ 0.025 χ^2 /NDF: 20.0/14

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

Left In: -0.035 $\pm$ 0.025 χ^2 /NDF: 24.8/14

Left: -0.049 $\pm$ 0.018 χ^2 /NDF: 45.6/29

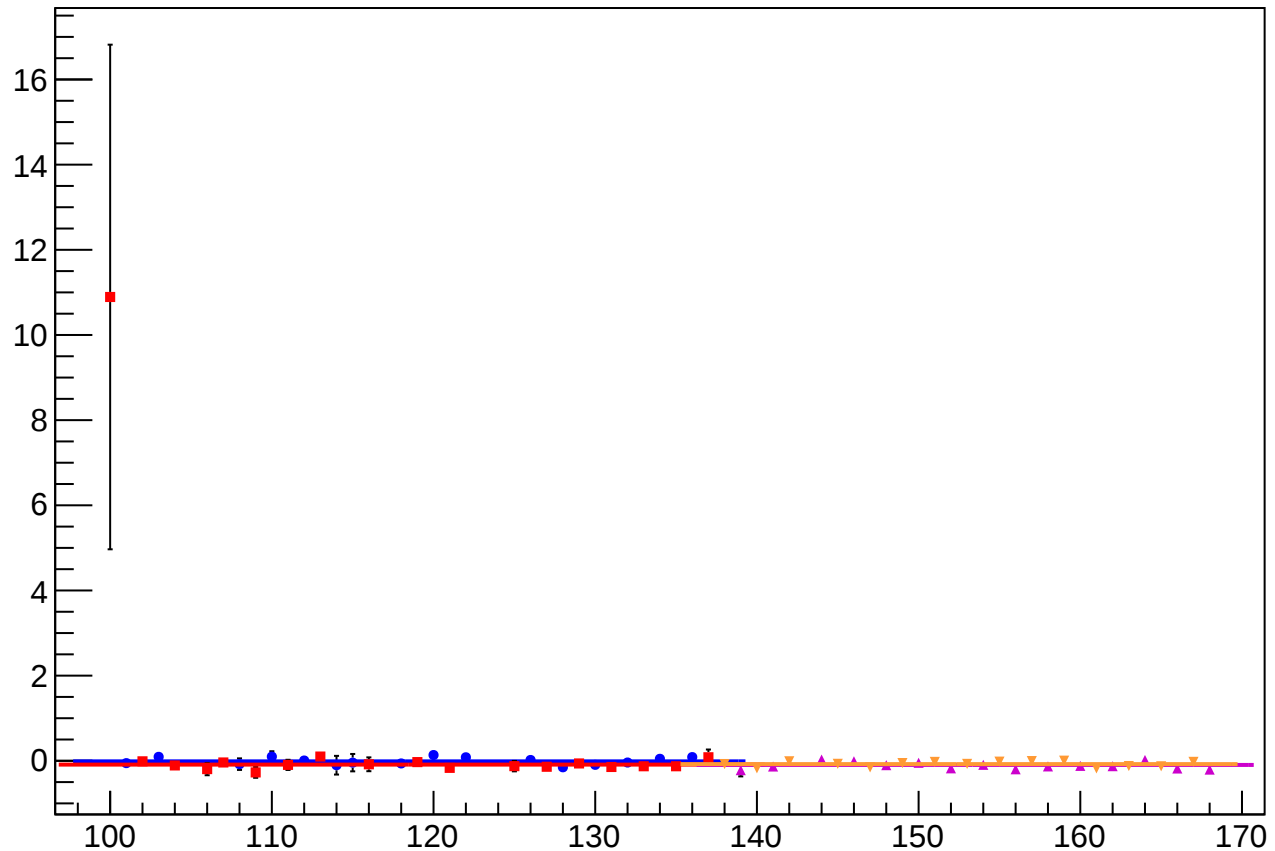
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.035 $\pm$ 0.025 χ^2 /NDF: 24.8/14

Out: -0.064 $\pm$ 0.025 χ^2 /NDF: 20.0/14

All: -0.049 $\pm$ 0.018 χ^2 /NDF: 45.6/29

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.078 ± 0.018 χ^2/NDF : 13.0/14

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

Left In: -0.097 ± 0.018 χ^2/NDF : 15.9/14

Left: -0.088 ± 0.012 χ^2/NDF : 29.5/29

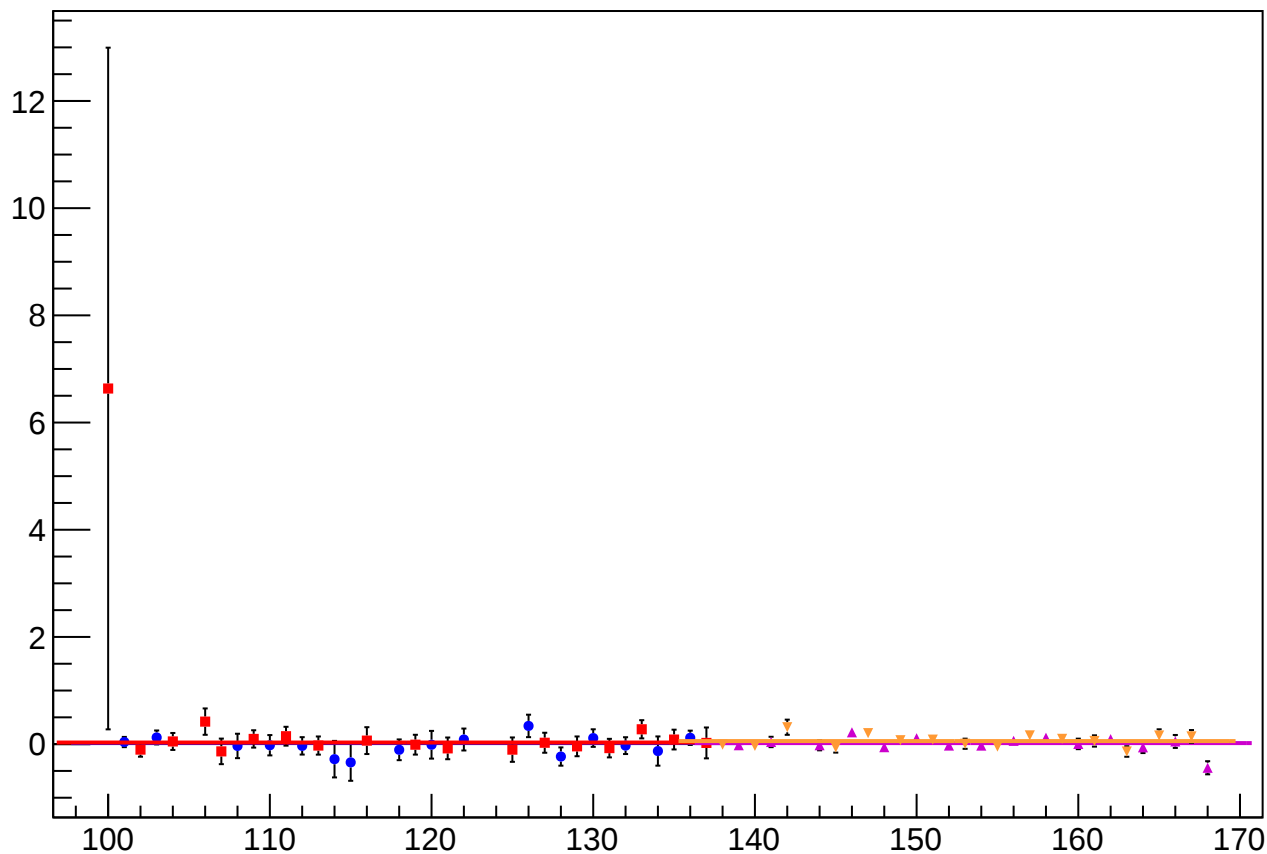
Right: -0.049 ± 0.017 χ^2/NDF : 29.6/33

In: -0.067 ± 0.014 χ^2/NDF : 35.8/30

Out: -0.082 ± 0.014 χ^2/NDF : 26.1/32

All: -0.074 ± 0.010 χ^2/NDF : 62.4/63

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: 0.057 $\pm$ 0.025 χ^2 /NDF:18.0/14

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

Left In: 0.019 $\pm$ 0.024 χ^2 /NDF:25.6/14

Left: 0.038 $\pm$ 0.017 χ^2 /NDF: 44.8/29

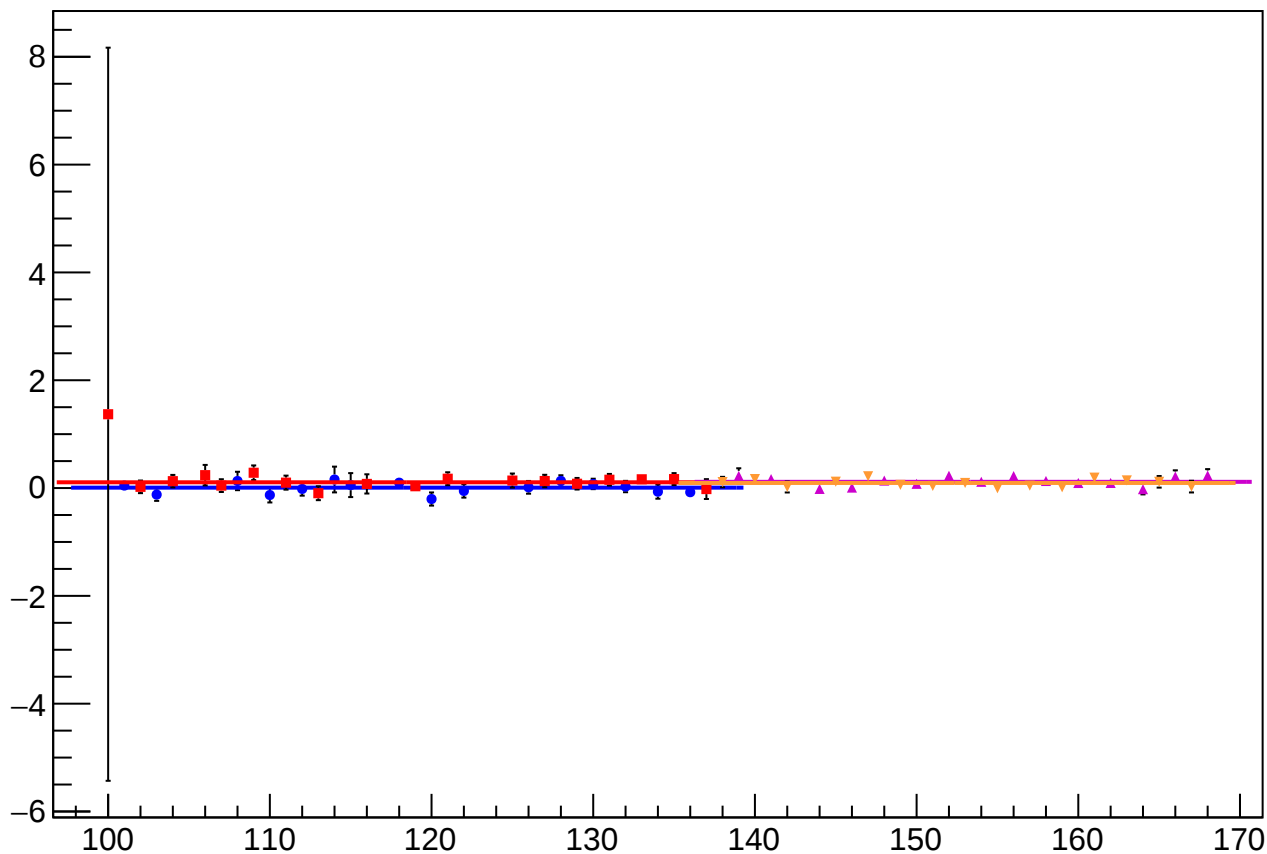
Right: 0.025 $\pm$ 0.031 χ^2 /NDF: 18.3/33

In: 0.019 $\pm$ 0.021 χ^2 /NDF:34.7/30

Out: 0.051 $\pm$ 0.022 χ^2 /NDF:27.5/32

All: 0.035 $\pm$ 0.015 χ^2 /NDF: 63.3/63

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007+/-0.027 χ^2/NDF : 11.3/15

Left Out: 0.095+/-0.021 χ^2/NDF : 11.9/14

Right Out: 0.107+/-0.029 χ^2/NDF : 8.2/17

Left In: 0.115+/-0.021 χ^2/NDF : 15.0/14

Left: 0.105+/-0.015 χ^2/NDF : 27.4/29

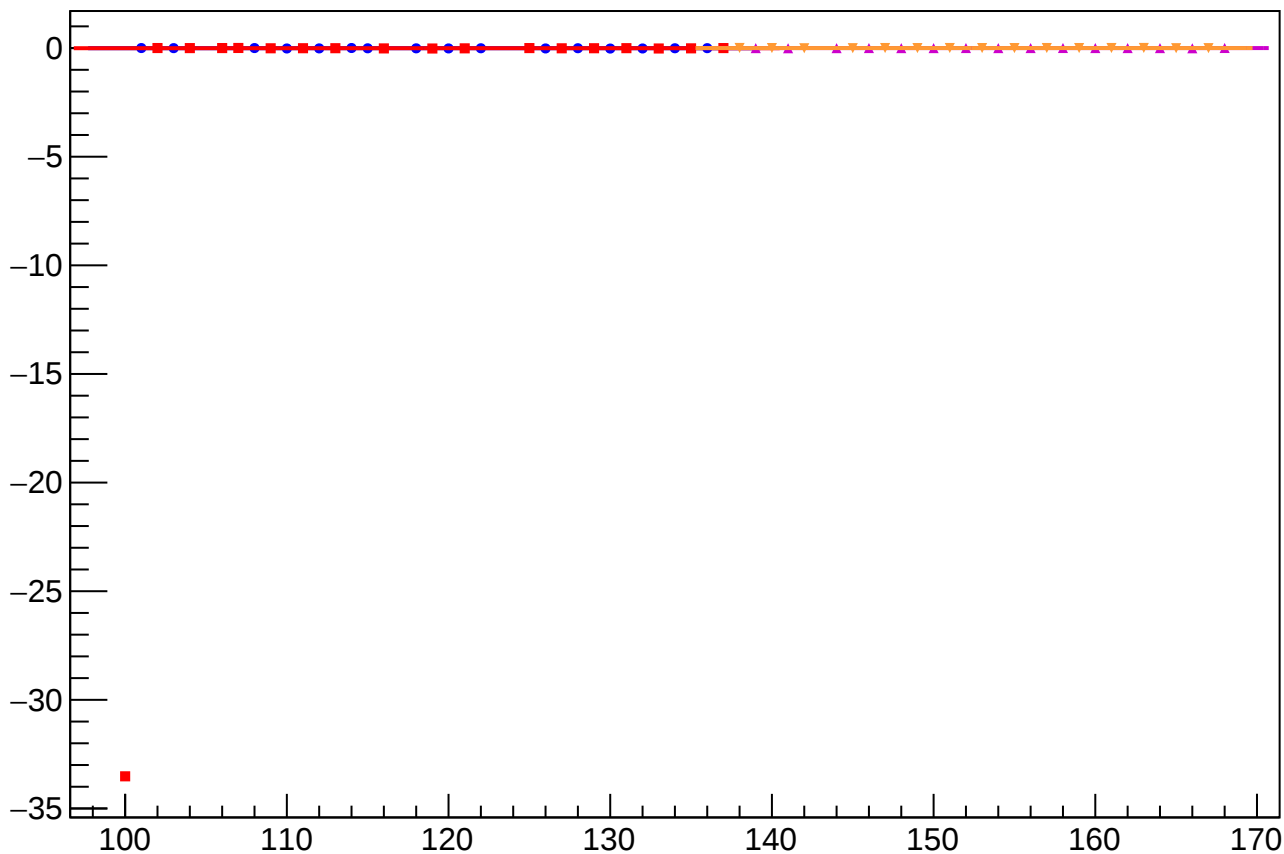
Right: 0.054+/-0.020 χ^2/NDF : 25.8/33

In: 0.076+/-0.016 χ^2/NDF : 36.3/30

Out: 0.099+/-0.017 χ^2/NDF : 20.2/32

All: 0.087+/-0.012 χ^2/NDF : 57.5/63

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 11.0/14

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.7/17

Left In: 0.000 ± 0.001 χ^2/NDF : 11.4/14

Left: 0.001 ± 0.001 χ^2/NDF : 22.9/29

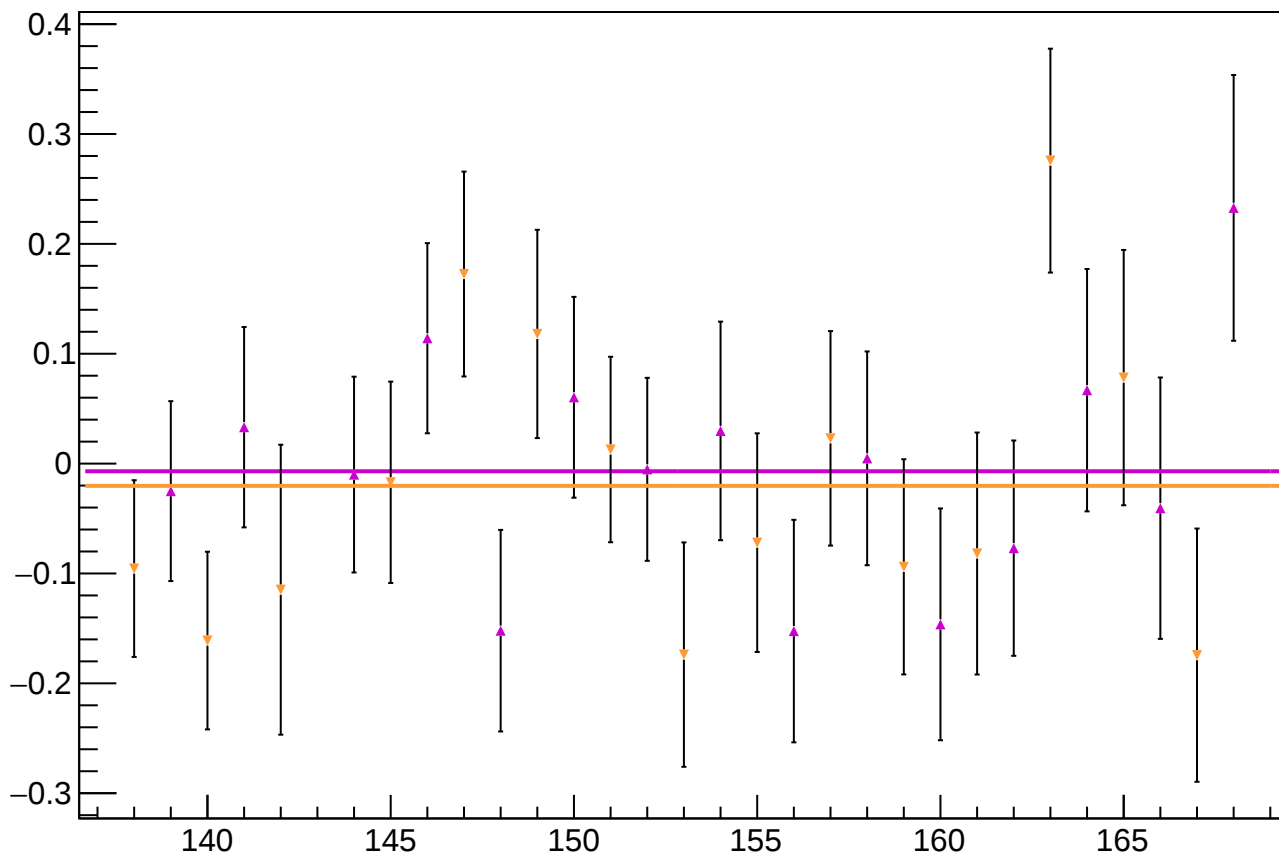
Right: -0.006 ± 0.001 χ^2/NDF : 26530.6/33

In: -0.002 ± 0.001 χ^2/NDF : 42.9/30

Out: -0.001 ± 0.001 χ^2/NDF : 26535.4/32

All: -0.001 ± 0.001 χ^2/NDF : 26578.5/63

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: -0.020 $\pm$ 0.025 χ^2 /NDF:25.5/14

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

Left In: -0.007 $\pm$ 0.025 χ^2 /NDF:14.2/14

Left: -0.014 $\pm$ 0.018 χ^2 /NDF: 39.8/29

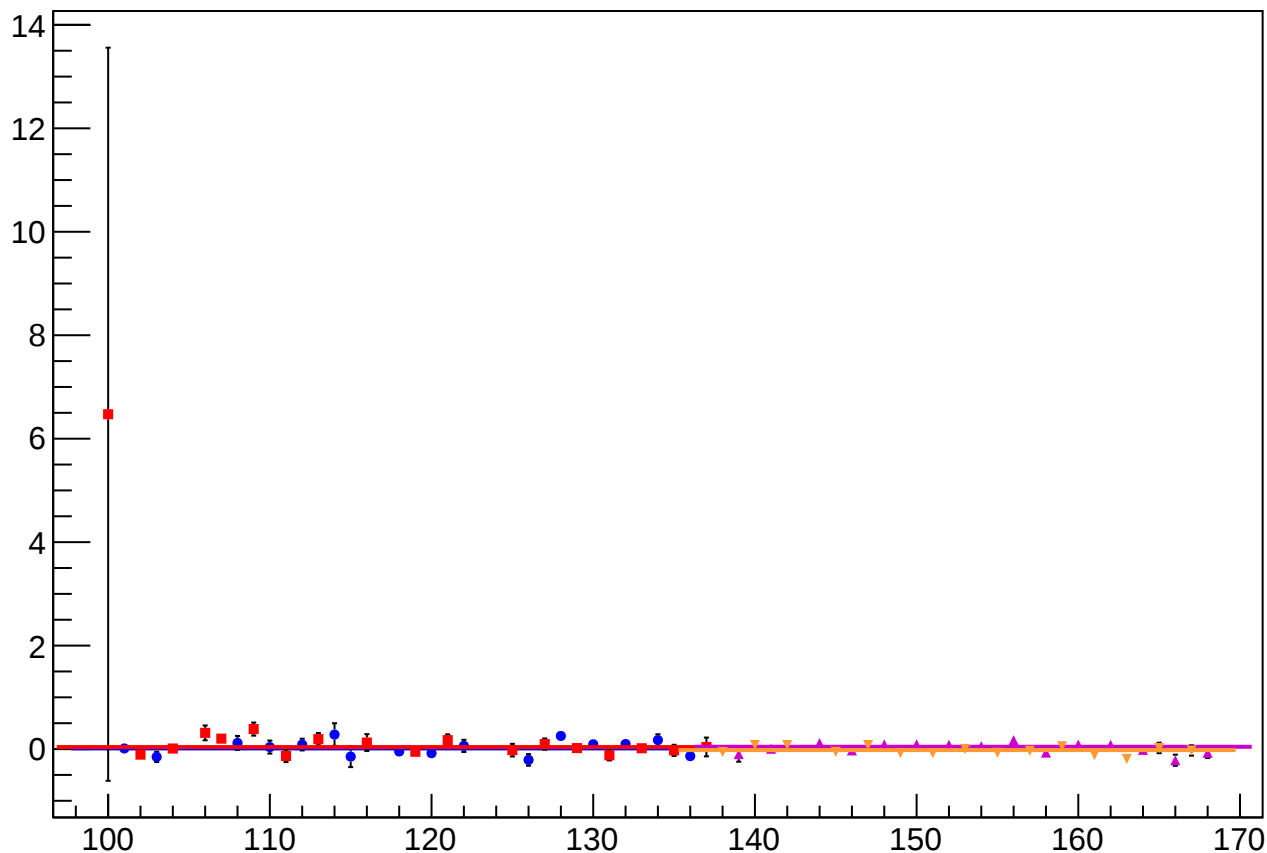
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.007 $\pm$ 0.025 χ^2 /NDF:14.2/14

Out: -0.020 $\pm$ 0.025 χ^2 /NDF:25.5/14

All: -0.014 $\pm$ 0.018 χ^2 /NDF: 39.8/29

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: -0.020 $\pm$ 0.018 χ^2 /NDF:19.5/14

Right Out: 0.038 $\pm$ 0.025 χ^2 /NDF: 28.4/17

Left In: 0.044 $\pm$ 0.018 χ^2 /NDF:20.7/14

Left: 0.012 $\pm$ 0.012 χ^2 /NDF: 46.8/29

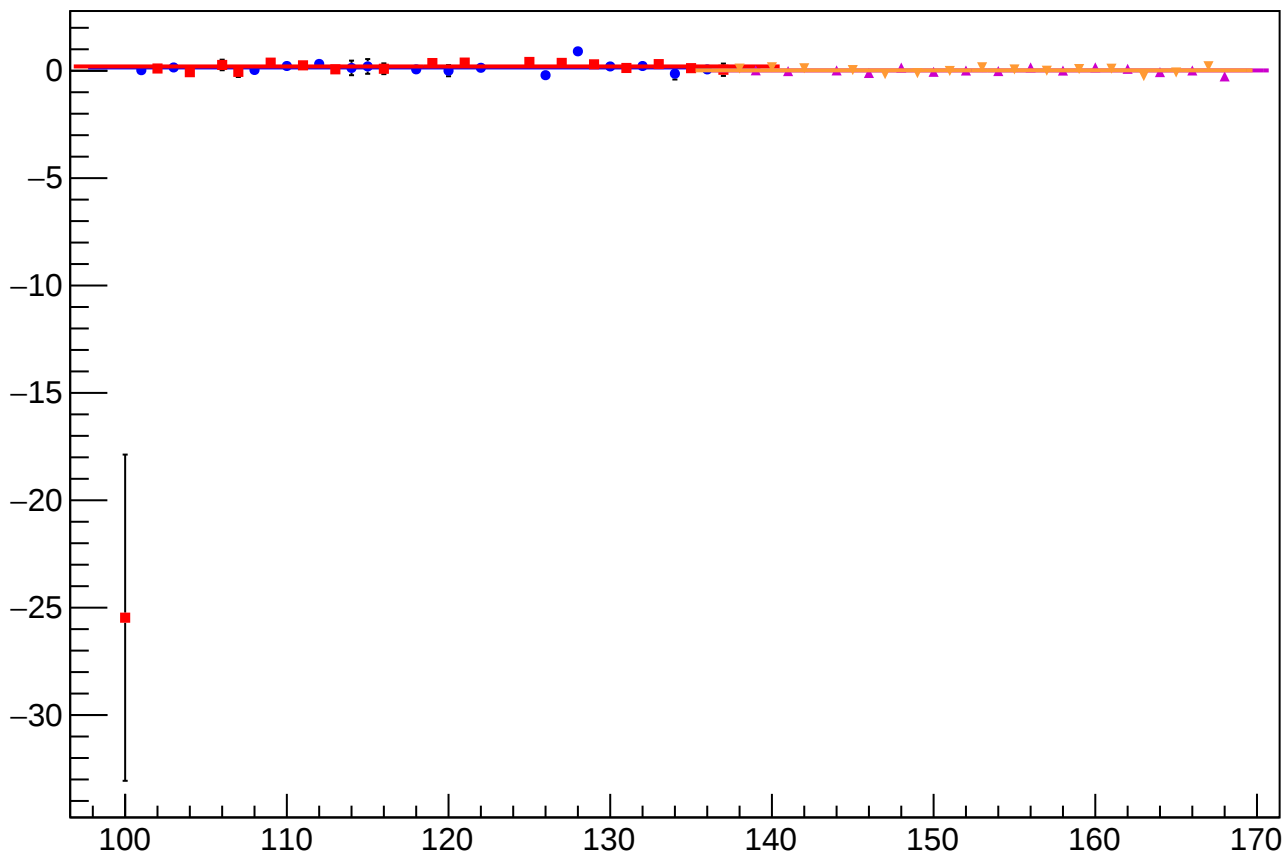
Right: 0.025 $\pm$ 0.017 χ^2 /NDF: 54.0/33

In: 0.033 $\pm$ 0.014 χ^2 /NDF:46.9/30

Out: -0.000 $\pm$ 0.014 χ^2 /NDF:51.6/32

All: 0.016 $\pm$ 0.010 χ^2 /NDF: 101.2/63

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: 0.020 $\pm$ 0.025 χ^2 /NDF:24.9/14

Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

Left In: 0.015 $\pm$ 0.024 χ^2 /NDF:15.9/14

Left: 0.018 $\pm$ 0.017 χ^2 /NDF: 40.9/29

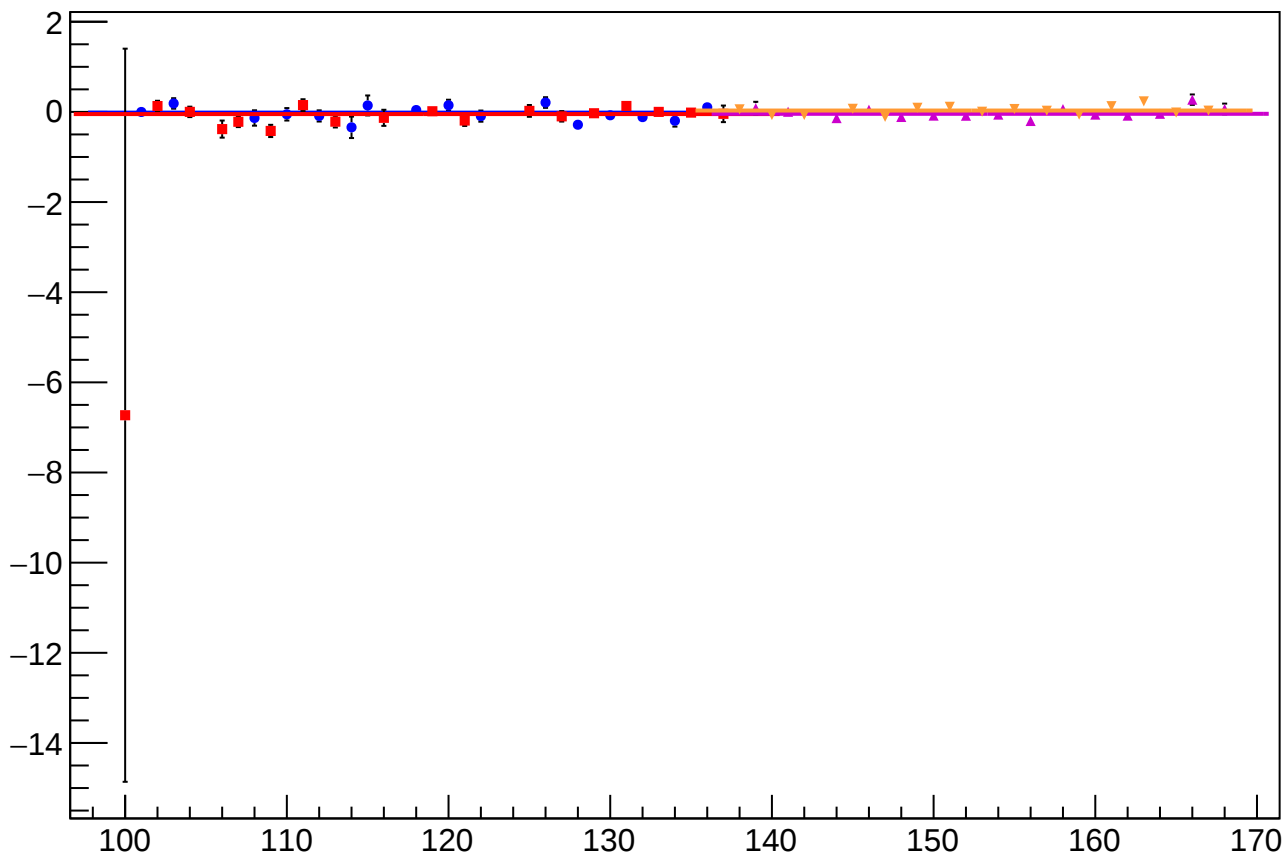
Right: 0.177 $\pm$ 0.031 χ^2 /NDF: 51.1/33

In: 0.049 $\pm$ 0.021 χ^2 /NDF:51.8/30

Out: 0.062 $\pm$ 0.022 χ^2 /NDF:60.0/32

All: 0.055 $\pm$ 0.015 χ^2 /NDF: 111.9/63

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 $\chi^2/\text{NDF}: 24.3/15$

Left Out: 0.030 ± 0.021 $\chi^2/\text{NDF}: 20.2/14$

Right Out: -0.048 ± 0.029 $\chi^2/\text{NDF}: 25.9/17$

Left In: -0.042 ± 0.021 $\chi^2/\text{NDF}: 21.3/14$

Left: -0.006 ± 0.015 $\chi^2/\text{NDF}: 47.6/29$

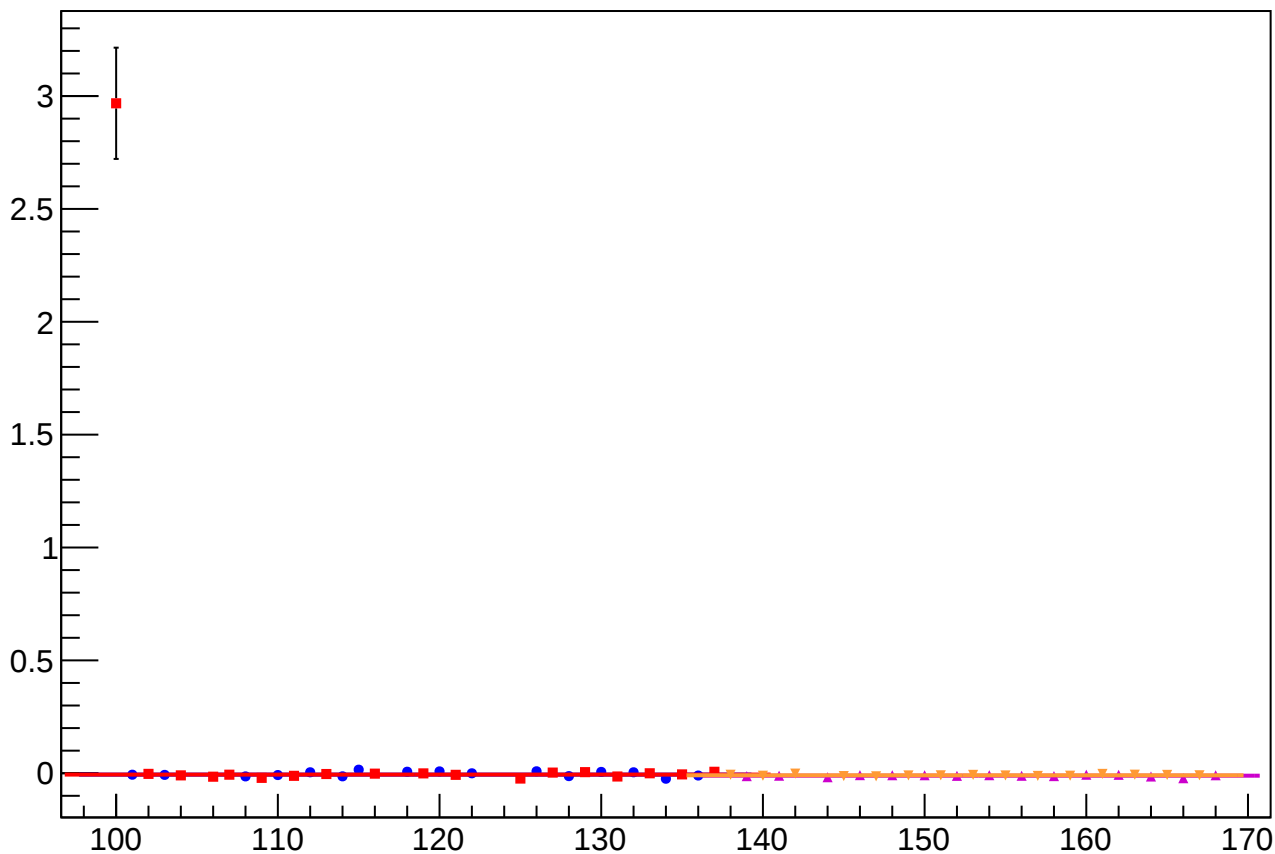
Right: -0.031 ± 0.020 $\chi^2/\text{NDF}: 51.0/33$

In: -0.033 ± 0.016 $\chi^2/\text{NDF}: 46.2/30$

Out: 0.003 ± 0.017 $\chi^2/\text{NDF}: 51.1/32$

All: -0.015 ± 0.012 $\chi^2/\text{NDF}: 99.6/63$

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:9.2/14

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 165.9/17

Left In: -0.011 $\pm$ 0.001 χ^2 /NDF:12.7/14

Left: -0.010 $\pm$ 0.001 χ^2 /NDF: 23.7/29

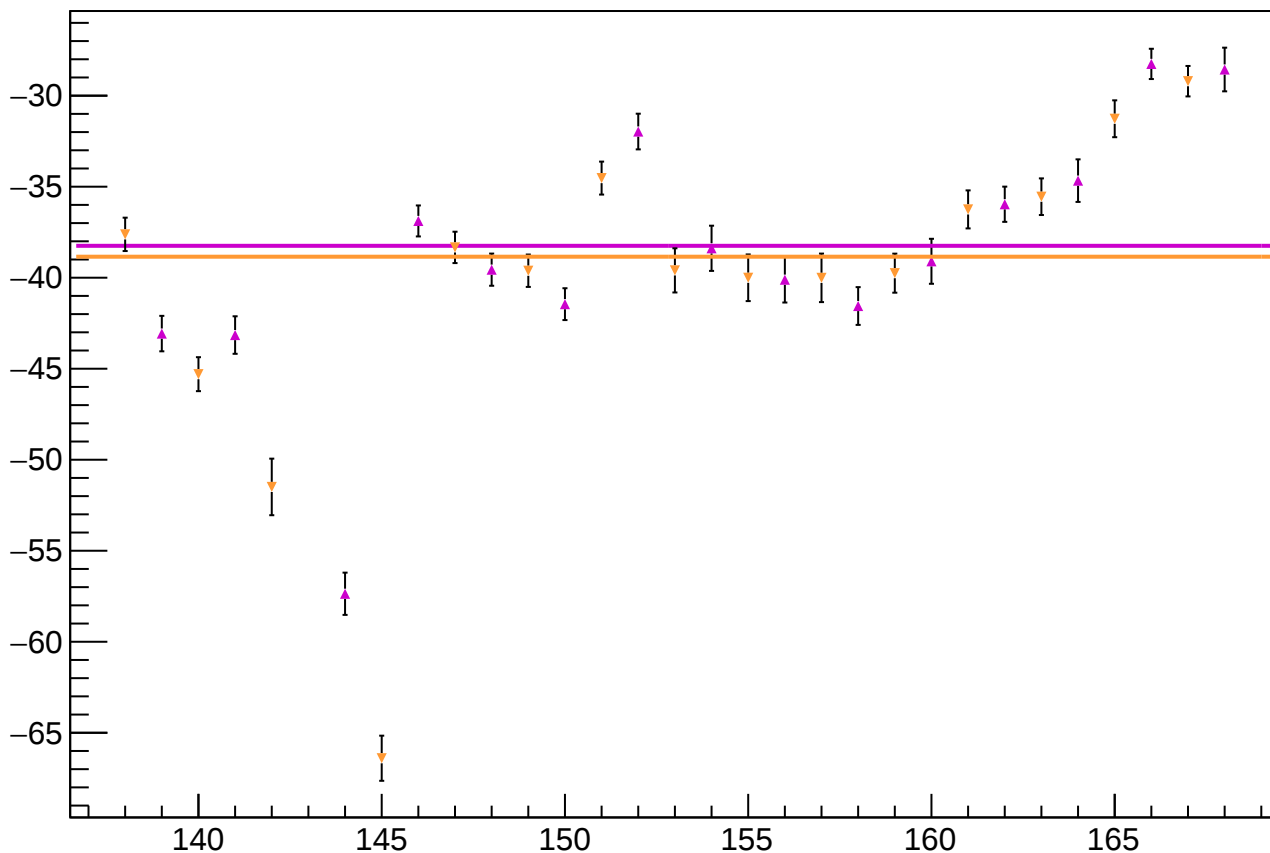
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 193.3/33

In: -0.009 $\pm$ 0.001 χ^2 /NDF:47.5/30

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:178.4/32

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 227.2/63

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



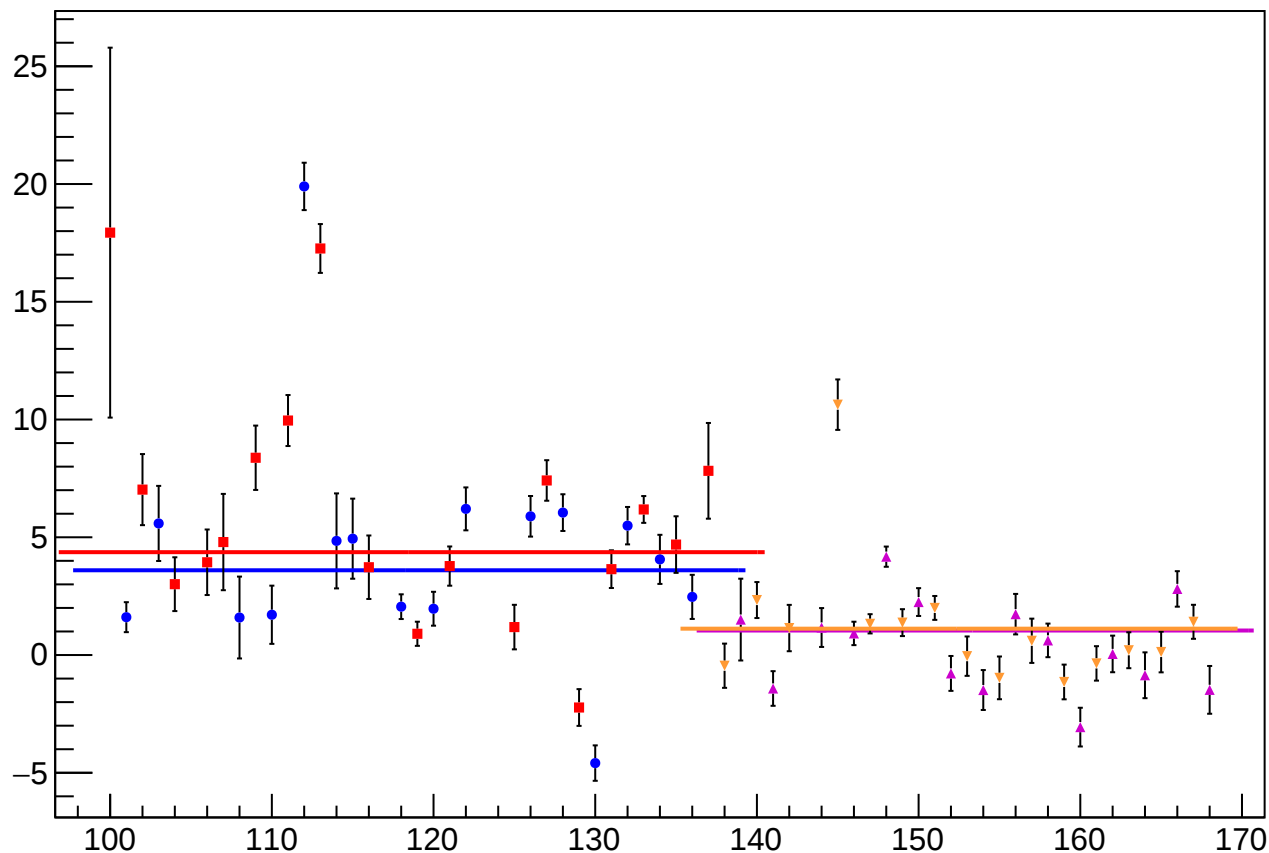
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -38.846+/-0.265 χ^2/NDF :842.2/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -38.248+/-0.262 χ^2/NDF :615.2/14

Left: -38.544+/-0.186 χ^2/NDF : 1460.0/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.248+/-0.262 χ^2/NDF :615.2/14
 Out: -38.846+/-0.265 χ^2/NDF :842.2/14

All: -38.544+/-0.186 χ^2/NDF : 1460.0/29

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: 1.119 ± 0.182 χ^2/NDF : 111.6/14

Right Out: 4.367 ± 0.225 χ^2/NDF : 353.1/17

Left In: 1.041 ± 0.184 χ^2/NDF : 126.9/14

Left: 1.081 ± 0.130 χ^2/NDF : 238.6/29

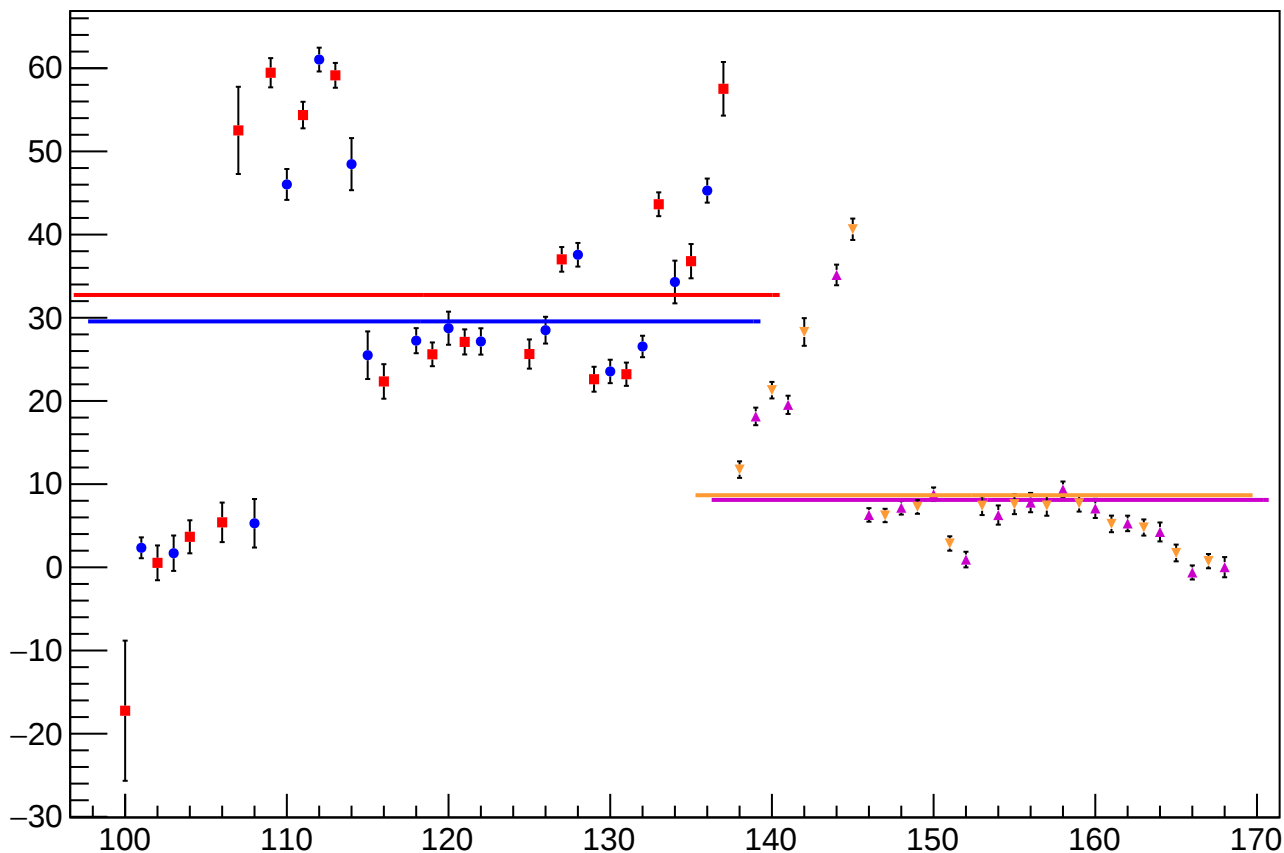
Right: 3.975 ± 0.157 χ^2/NDF : 802.5/33

In: 2.094 ± 0.141 χ^2/NDF : 649.7/30

Out: 2.406 ± 0.142 χ^2/NDF : 590.7/32

All: 2.250 ± 0.100 χ^2/NDF : 1242.8/63

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 8.668 $\pm$ 0.259 χ^2 /NDF:1150.4/14

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

Left In: 8.104 $\pm$ 0.256 χ^2 /NDF:915.6/14

Left: 8.382 $\pm$ 0.182 χ^2 /NDF: 2068.4/29

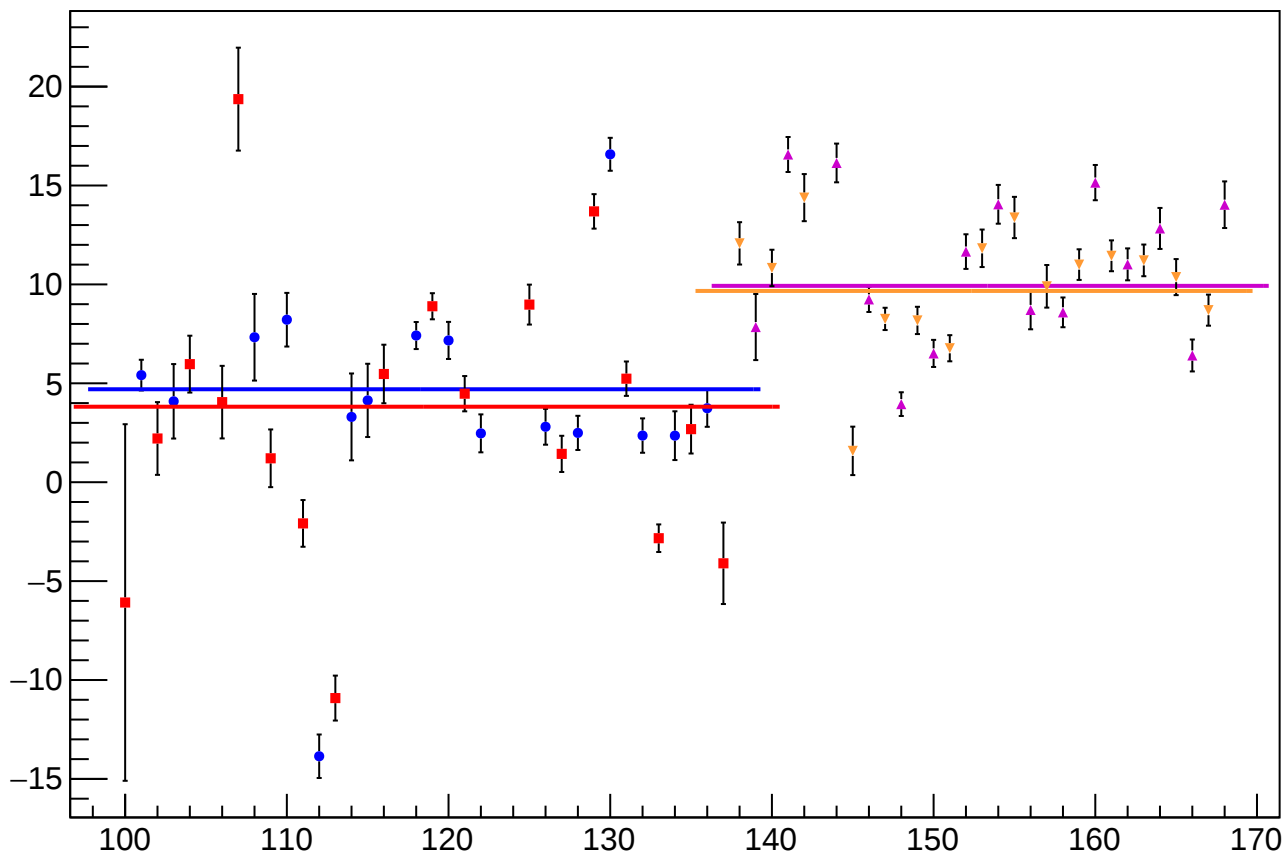
Right: 31.140 $\pm$ 0.298 χ^2 /NDF: 3186.3/33

In: 13.912 $\pm$ 0.218 χ^2 /NDF:4318.5/30

Out: 15.240 $\pm$ 0.221 χ^2 /NDF:5171.2/32

All: 14.568 $\pm$ 0.155 χ^2 /NDF: 9508.0/63

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: 9.670 $\pm$ 0.215 χ^2 /NDF:127.9/14

Right Out: 3.817 $\pm$ 0.258 χ^2 /NDF: 567.6/17

Left In: 9.927 $\pm$ 0.217 χ^2 /NDF:325.0/14

Left: 9.797 $\pm$ 0.153 χ^2 /NDF: 453.7/29

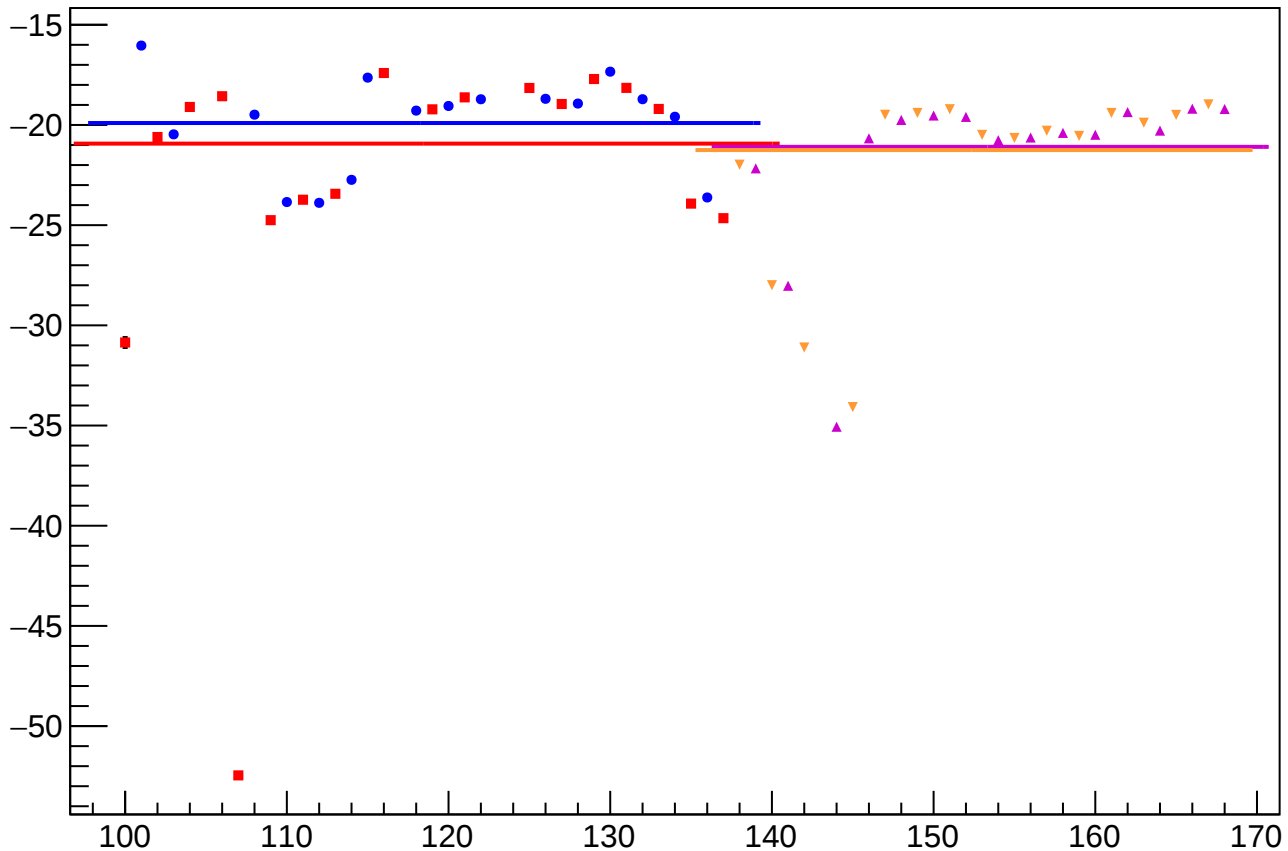
Right: 4.265 $\pm$ 0.181 χ^2 /NDF: 1122.4/33

In: 7.719 $\pm$ 0.165 χ^2 /NDF:1118.7/30

Out: 7.271 $\pm$ 0.165 χ^2 /NDF:998.2/32

All: 7.495 $\pm$ 0.117 χ^2 /NDF: 2120.5/63

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -21.252 ± 0.010 χ^2/NDF : 128818.4/14

Right Out: -20.931 ± 0.016 χ^2/NDF : 94008.3/17

Left In: -21.092 ± 0.010 χ^2/NDF : 103912.0/14

Left: -21.171 ± 0.007 χ^2/NDF : 232853.1/29

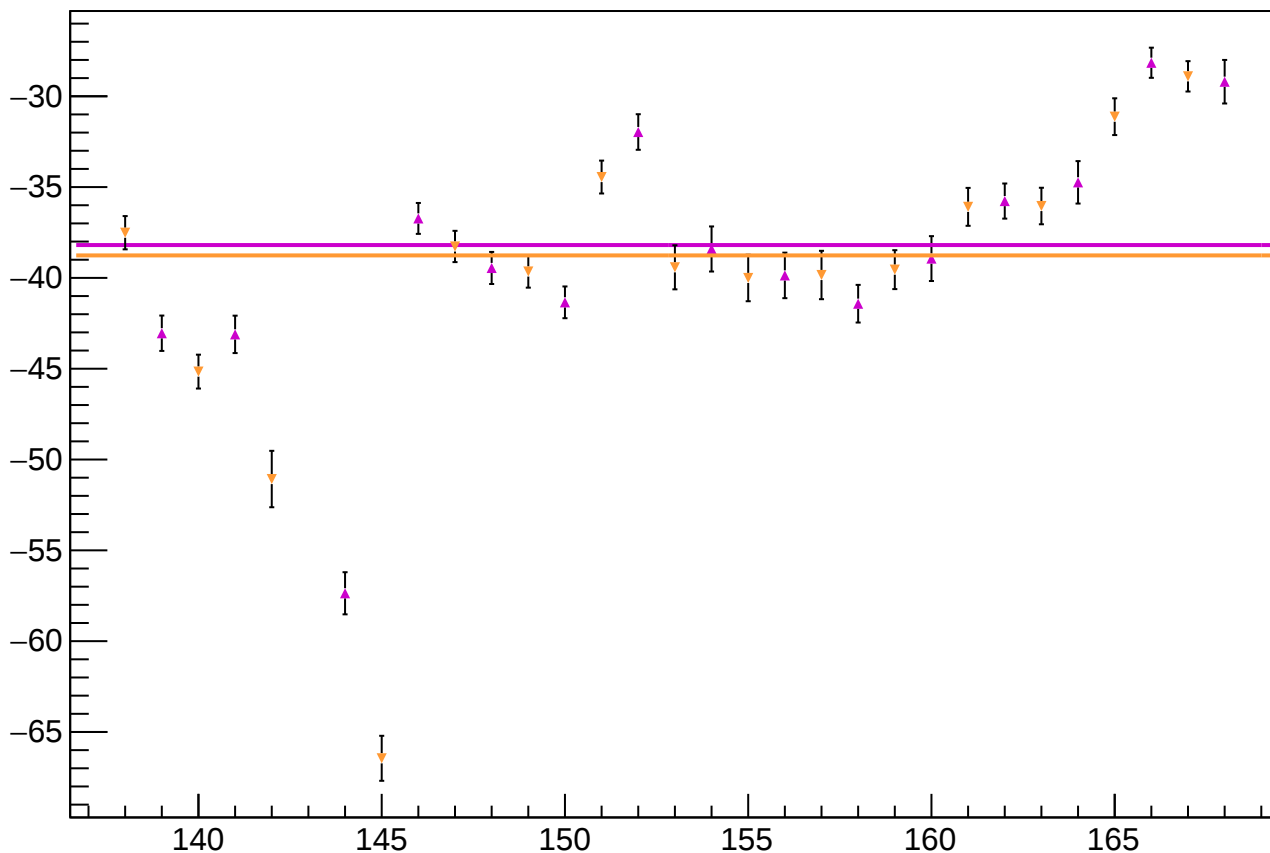
Right: -20.414 ± 0.011 χ^2/NDF : 122212.6/33

In: -20.738 ± 0.009 χ^2/NDF : 134027.6/30

Out: -21.155 ± 0.009 χ^2/NDF : 223118.8/32

All: -20.944 ± 0.006 χ^2/NDF : 358325.3/63

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



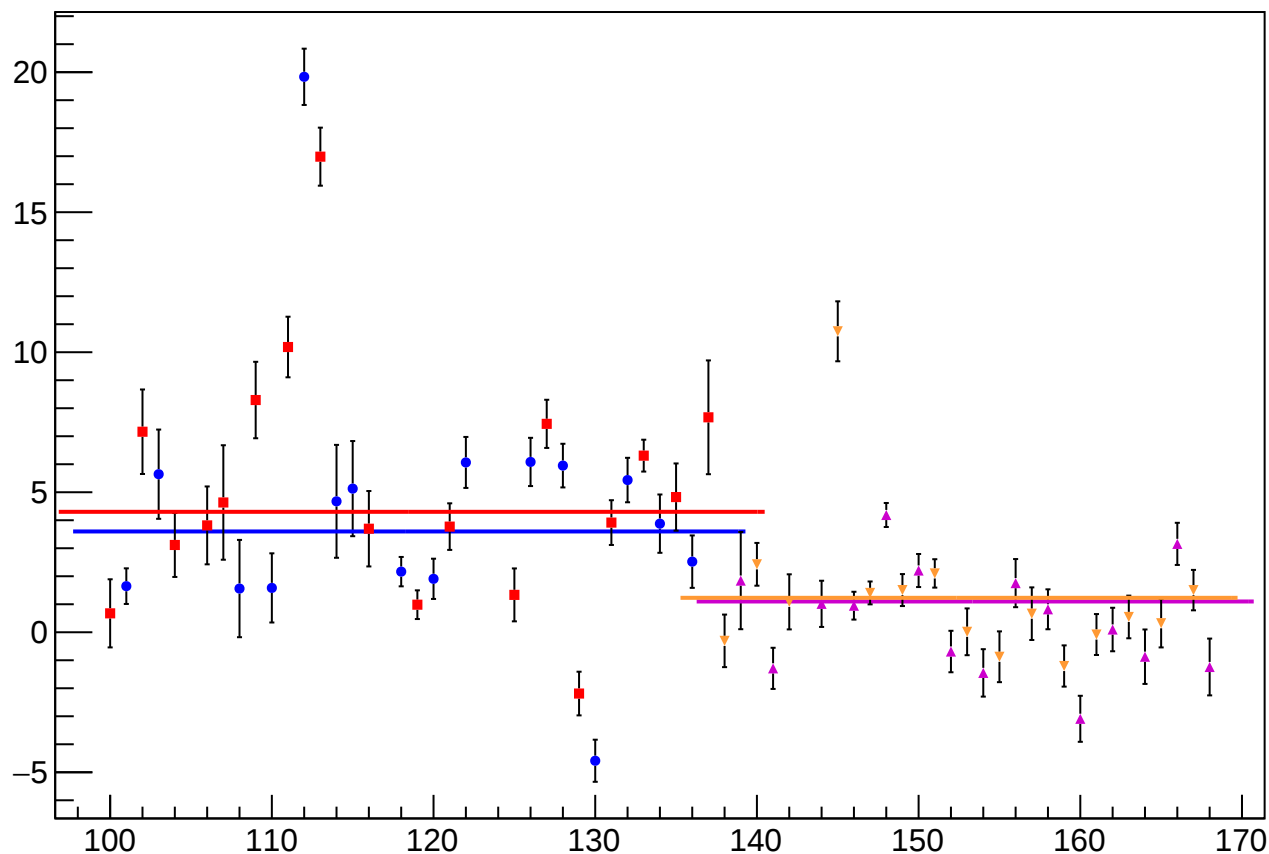
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -38.762+/-0.265 χ^2/NDF : 847.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -38.192+/-0.262 χ^2/NDF : 608.6/14

Left: -38.474+/-0.186 χ^2/NDF : 1458.7/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.192+/-0.262 χ^2/NDF : 608.6/14
 Out: -38.762+/-0.265 χ^2/NDF : 847.7/14

All: -38.474+/-0.186 χ^2/NDF : 1458.7/29

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: 1.230 $\pm$ 0.182 χ^2 /NDF:111.6/14

Right Out: 4.301 $\pm$ 0.221 χ^2 /NDF: 352.1/17

Left In: 1.099 $\pm$ 0.184 χ^2 /NDF:126.4/14

Left: 1.165 $\pm$ 0.129 χ^2 /NDF: 238.3/29

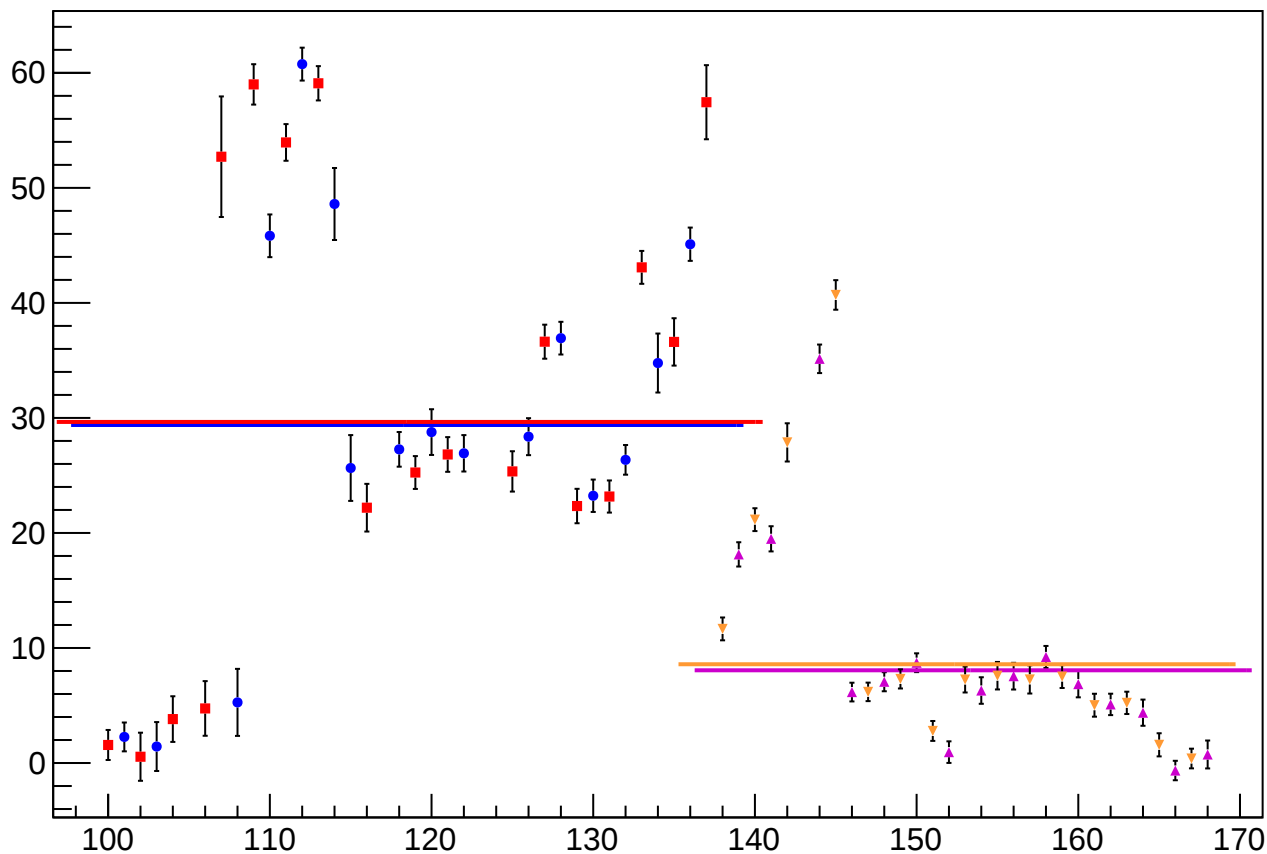
Right: 3.949 $\pm$ 0.156 χ^2 /NDF: 797.4/33

In: 2.128 $\pm$ 0.141 χ^2 /NDF:642.6/30

Out: 2.471 $\pm$ 0.140 χ^2 /NDF:578.8/32

All: 2.300 $\pm$ 0.100 χ^2 /NDF: 1224.4/63

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 ± 0.419 χ^2/NDF : 1488.6/15

Left Out: 8.585 ± 0.259 χ^2/NDF : 1153.9/14

Right Out: 29.652 ± 0.402 χ^2/NDF : 2131.0/17

Left In: 8.060 ± 0.255 χ^2/NDF : 910.1/14

Left: 8.319 ± 0.182 χ^2/NDF : 2066.1/29

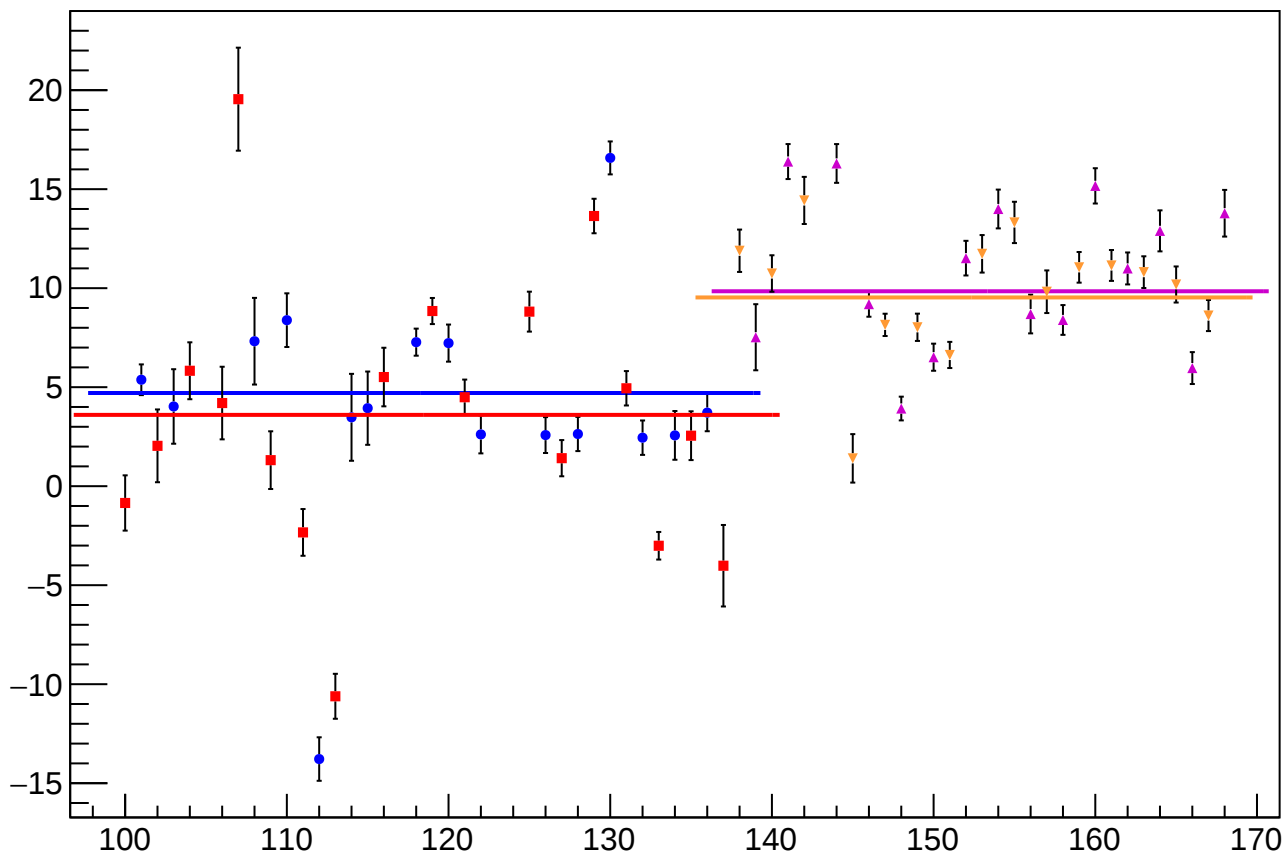
Right: 29.525 ± 0.290 χ^2/NDF : 3619.8/33

In: 13.833 ± 0.218 χ^2/NDF : 4286.0/30

Out: 14.754 ± 0.218 χ^2/NDF : 5223.6/32

All: 14.294 ± 0.154 χ^2/NDF : 9518.6/63

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 $\pm$ 0.254 χ^2 /NDF: 545.2/15

Left Out: 9.532 $\pm$ 0.215 χ^2 /NDF:129.0/14

Right Out: 3.601 $\pm$ 0.254 χ^2 /NDF: 573.4/17

Left In: 9.844 $\pm$ 0.217 χ^2 /NDF:330.2/14

Left: 9.686 $\pm$ 0.153 χ^2 /NDF: 460.3/29

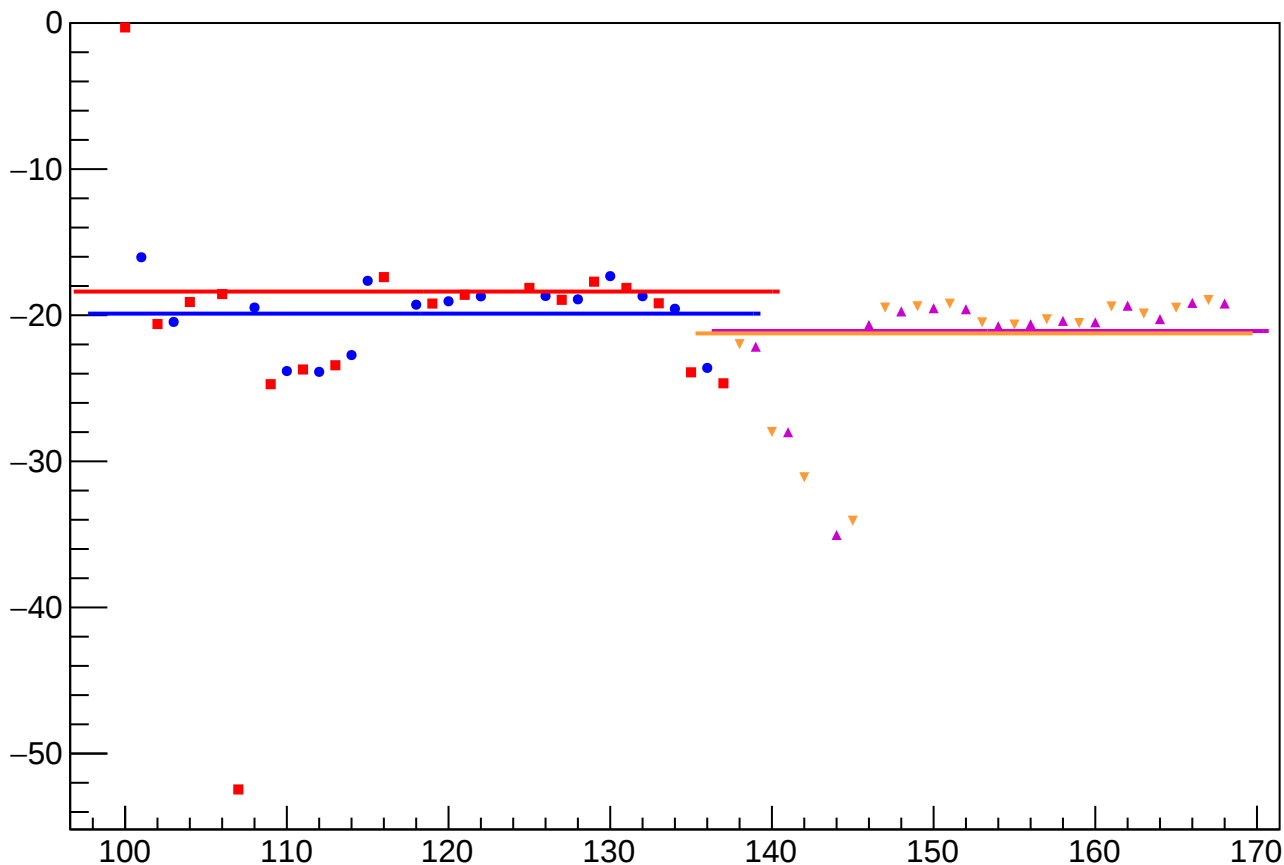
Right: 4.154 $\pm$ 0.180 χ^2 /NDF: 1128.1/33

In: 7.674 $\pm$ 0.165 χ^2 /NDF:1112.0/30

Out: 7.053 $\pm$ 0.164 χ^2 /NDF:1019.7/32

All: 7.362 $\pm$ 0.116 χ^2 /NDF: 2138.8/63

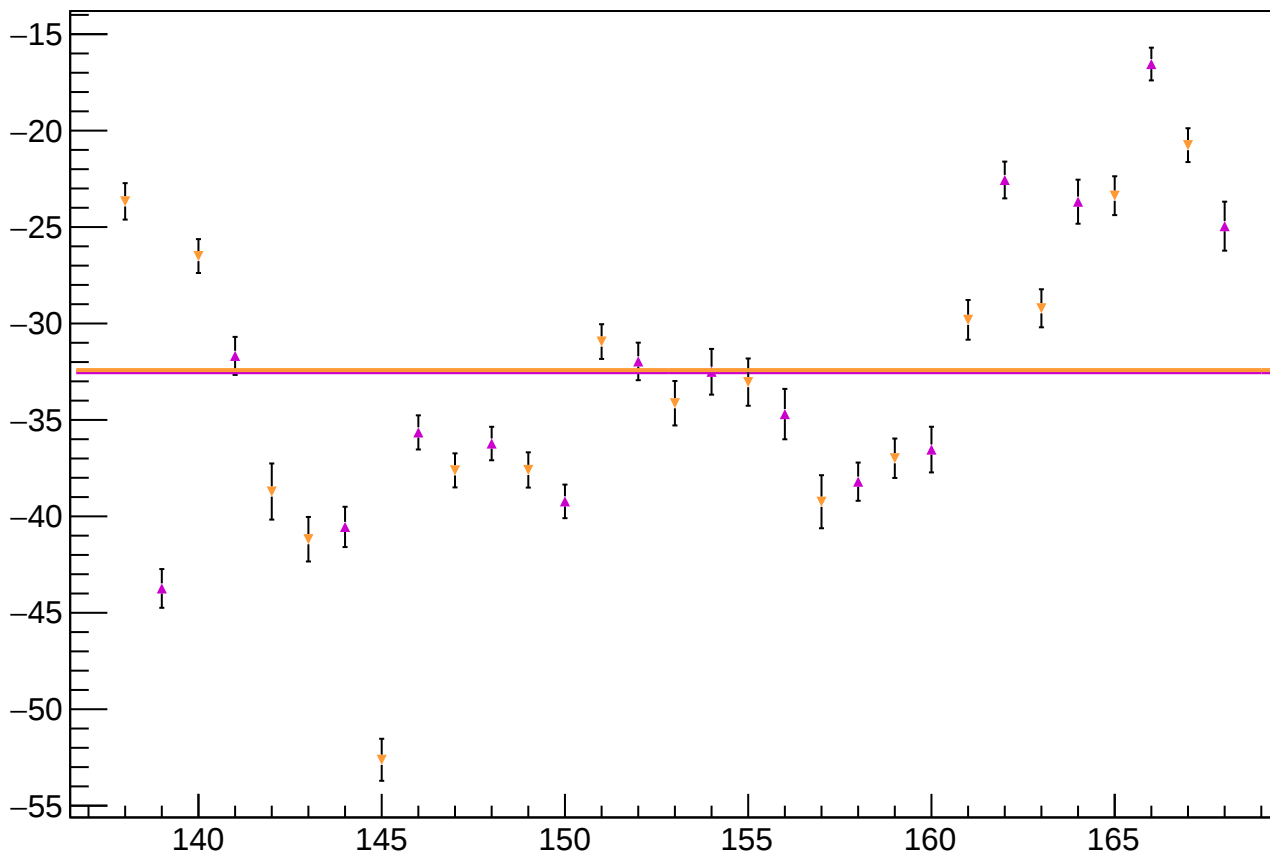
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$
 Left Out: -21.245 ± 0.010 $\chi^2/\text{NDF}: 128891.2/14$
 Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$
 Left In: -21.080 ± 0.010 $\chi^2/\text{NDF}: 103911.4/14$

Left: -21.161 ± 0.007 $\chi^2/\text{NDF}: 232931.4/29$
 Right: -19.091 ± 0.011 $\chi^2/\text{NDF}: 331979.2/33$
 In: -20.727 ± 0.009 $\chi^2/\text{NDF}: 134025.2/30$
 Out: -20.301 ± 0.008 $\chi^2/\text{NDF}: 455193.7/32$
 All: -20.512 ± 0.006 $\chi^2/\text{NDF}: 590473.8/63$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



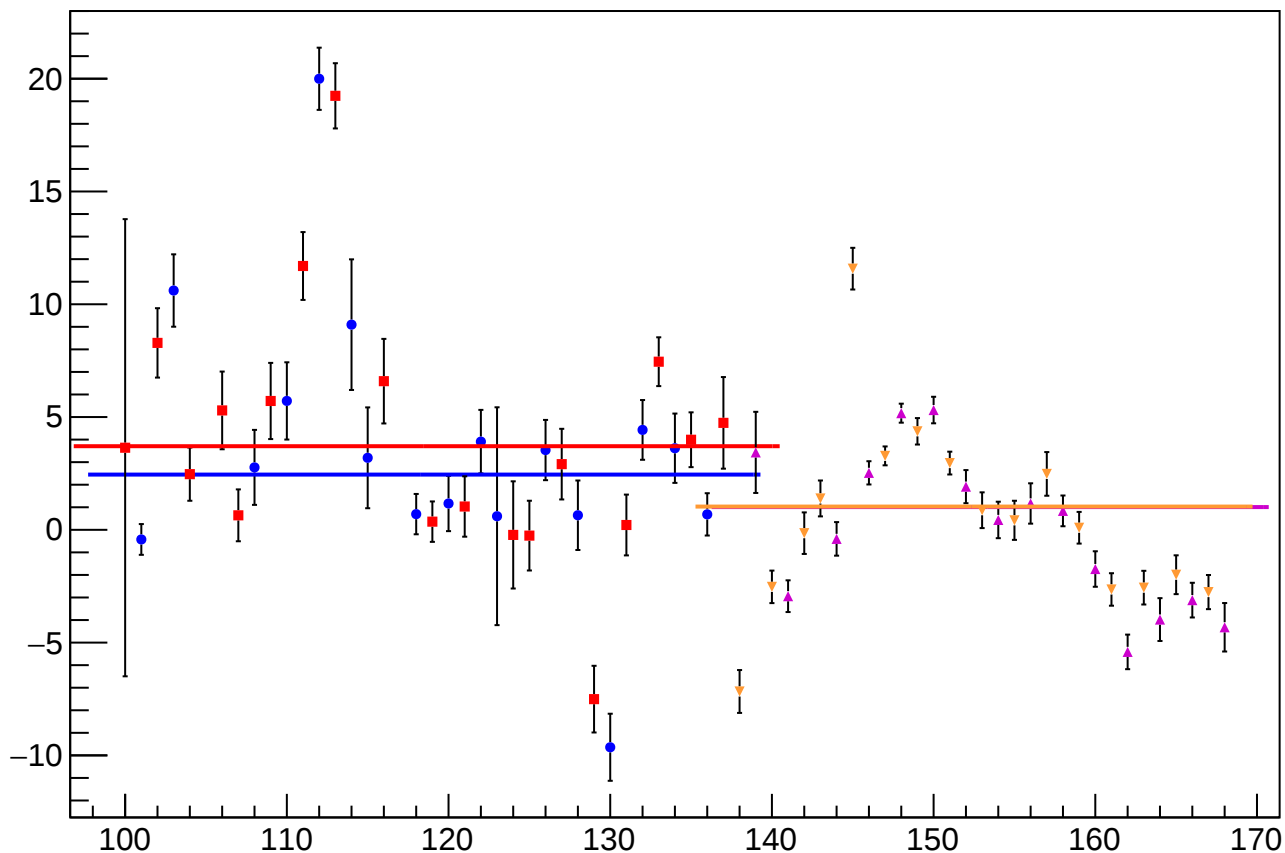
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.417+/-0.255 χ^2/NDF : 942.7/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.526+/-0.260 χ^2/NDF : 880.5/14

Left: -32.470+/-0.182 χ^2/NDF : 1823.3/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.526+/-0.260 χ^2/NDF : 880.5/14
 Out: -32.417+/-0.255 χ^2/NDF : 942.7/15

All: -32.470+/-0.182 χ^2/NDF : 1823.3/30

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449+/-0.314 χ^2/NDF : 295.3/16

Left Out: 1.031+/-0.176 χ^2/NDF : 397.8/15

Right Out: 3.707+/-0.326 χ^2/NDF : 269.4/18

Left In: 1.008+/-0.182 χ^2/NDF : 362.3/14

Left: 1.020+/-0.126 χ^2/NDF : 760.1/30

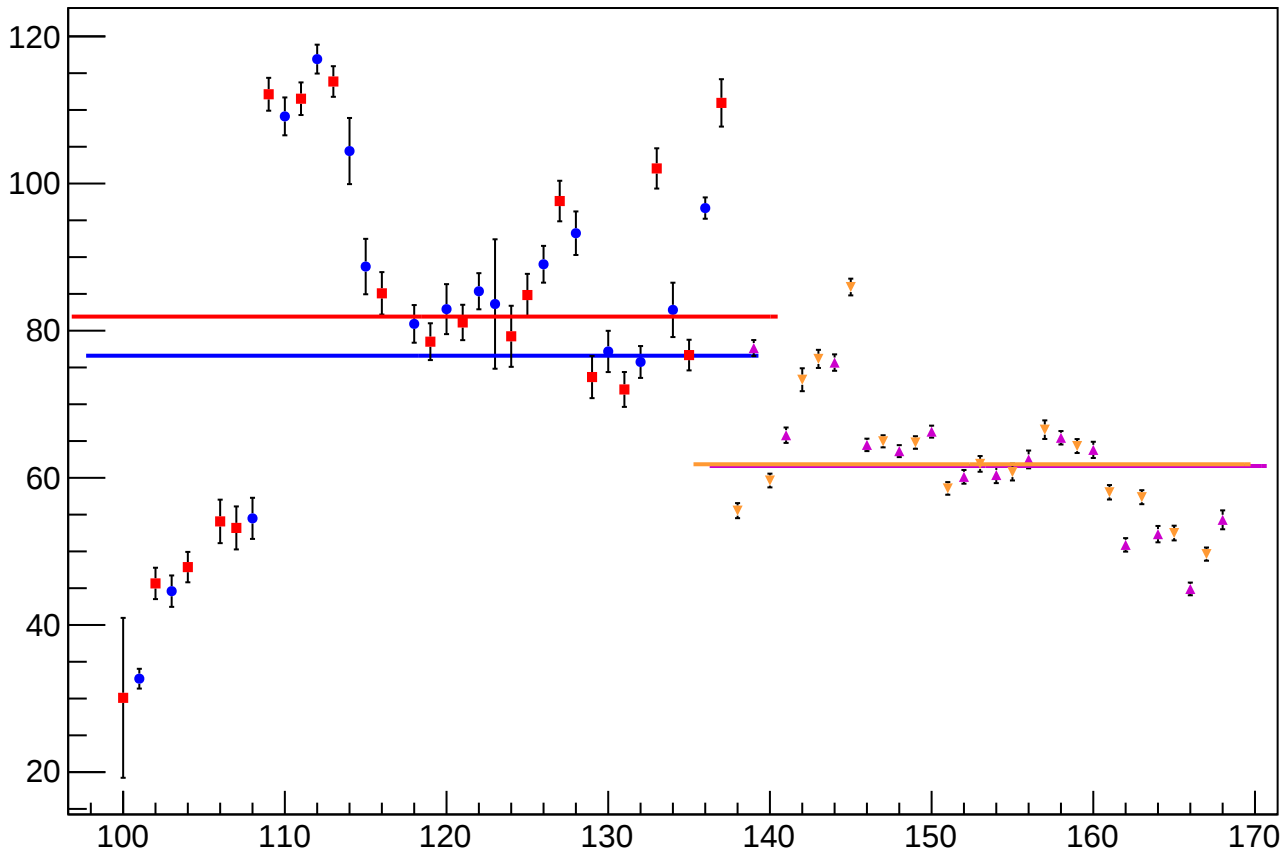
Right: 3.055+/-0.226 χ^2/NDF : 572.4/35

In: 1.370+/-0.157 χ^2/NDF : 673.3/31

Out: 1.633+/-0.155 χ^2/NDF : 719.3/34

All: 1.504+/-0.110 χ^2/NDF : 1394.1/66

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 61.844 $\pm$ 0.251 χ^2 /NDF: 1053.5/15

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

Left In: 61.607 $\pm$ 0.253 χ^2 /NDF: 1079.5/14

Left: 61.727 $\pm$ 0.178 χ^2 /NDF: 2133.4/30

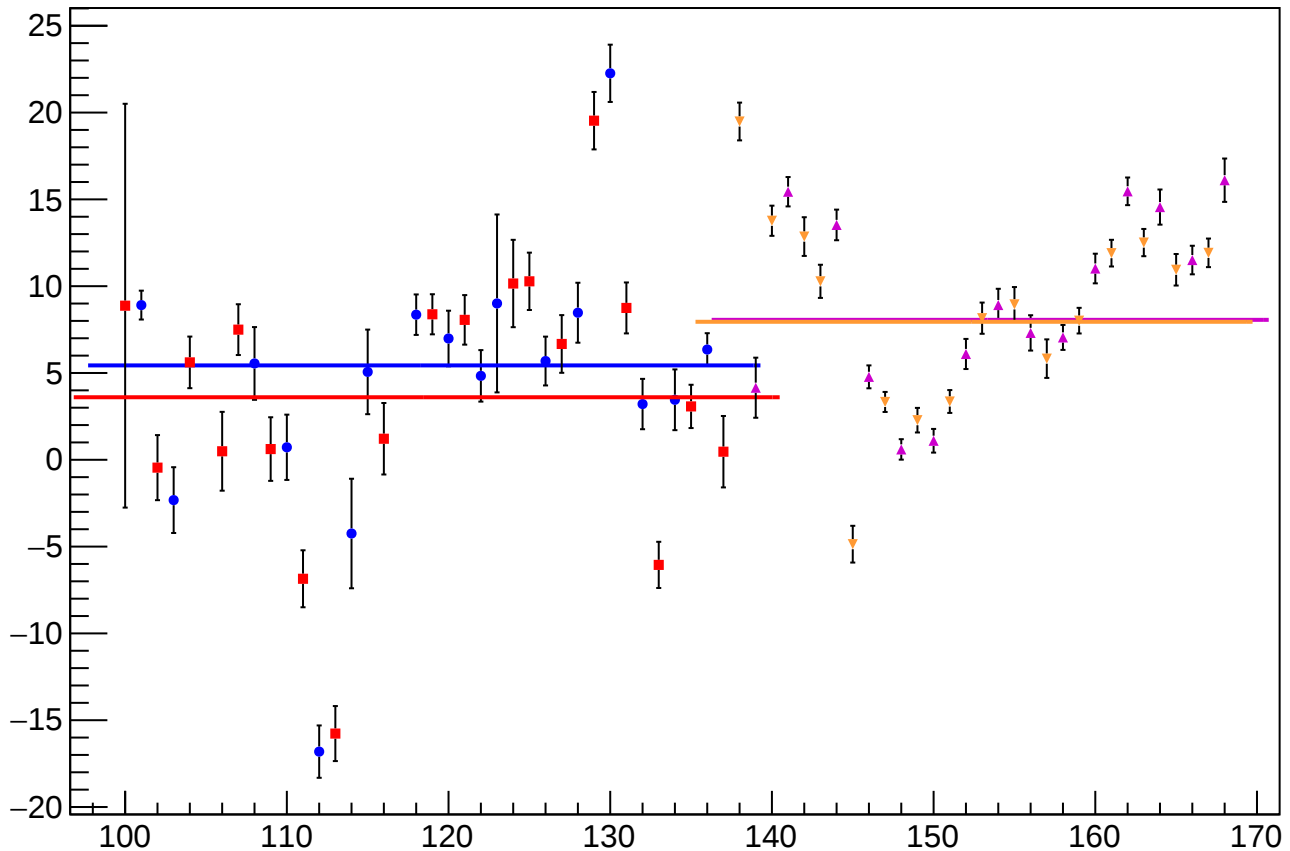
Right: 79.184 $\pm$ 0.413 χ^2 /NDF: 3867.3/35

In: 64.036 $\pm$ 0.232 χ^2 /NDF: 3902.1/31

Out: 64.899 $\pm$ 0.231 χ^2 /NDF: 3598.6/34

All: 64.469 $\pm$ 0.164 χ^2 /NDF: 7507.7/66

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 7.949 ± 0.208 $\chi^2/\text{NDF}: 605.0/15$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

Left In: 8.061 ± 0.214 $\chi^2/\text{NDF}: 616.2/14$

Left: 8.003 ± 0.149 $\chi^2/\text{NDF}: 1221.3/30$

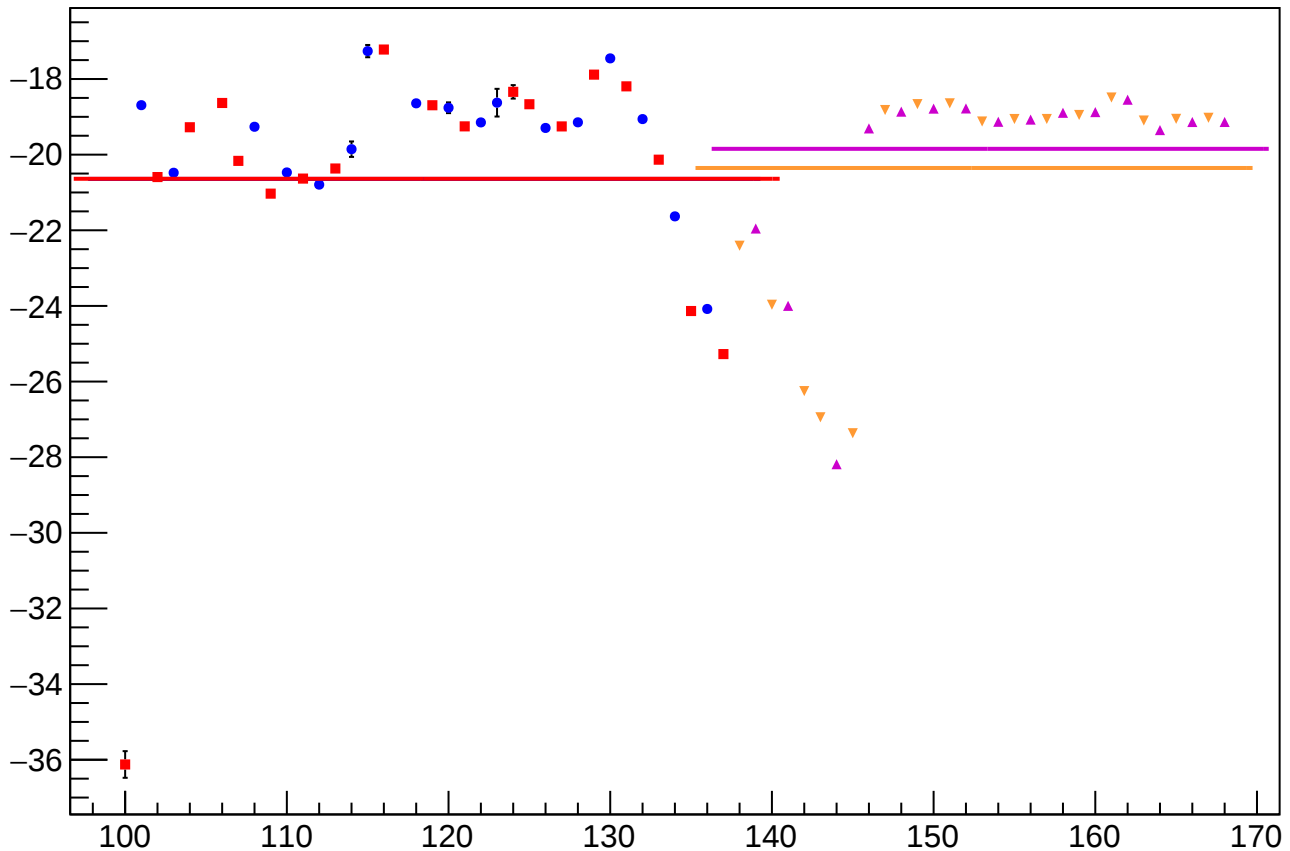
Right: 4.556 ± 0.260 $\chi^2/\text{NDF}: 823.0/35$

In: 7.375 ± 0.184 $\chi^2/\text{NDF}: 1042.6/31$

Out: 6.928 ± 0.182 $\chi^2/\text{NDF}: 1131.1/34$

All: 7.149 ± 0.129 $\chi^2/\text{NDF}: 2176.7/66$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -20.353 ± 0.010 $\chi^2/\text{NDF}: 77910.6/15$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13783.4/18$

Left In: -19.846 ± 0.010 $\chi^2/\text{NDF}: 48573.4/14$

Left: -20.101 ± 0.007 $\chi^2/\text{NDF}: 127755.9/30$

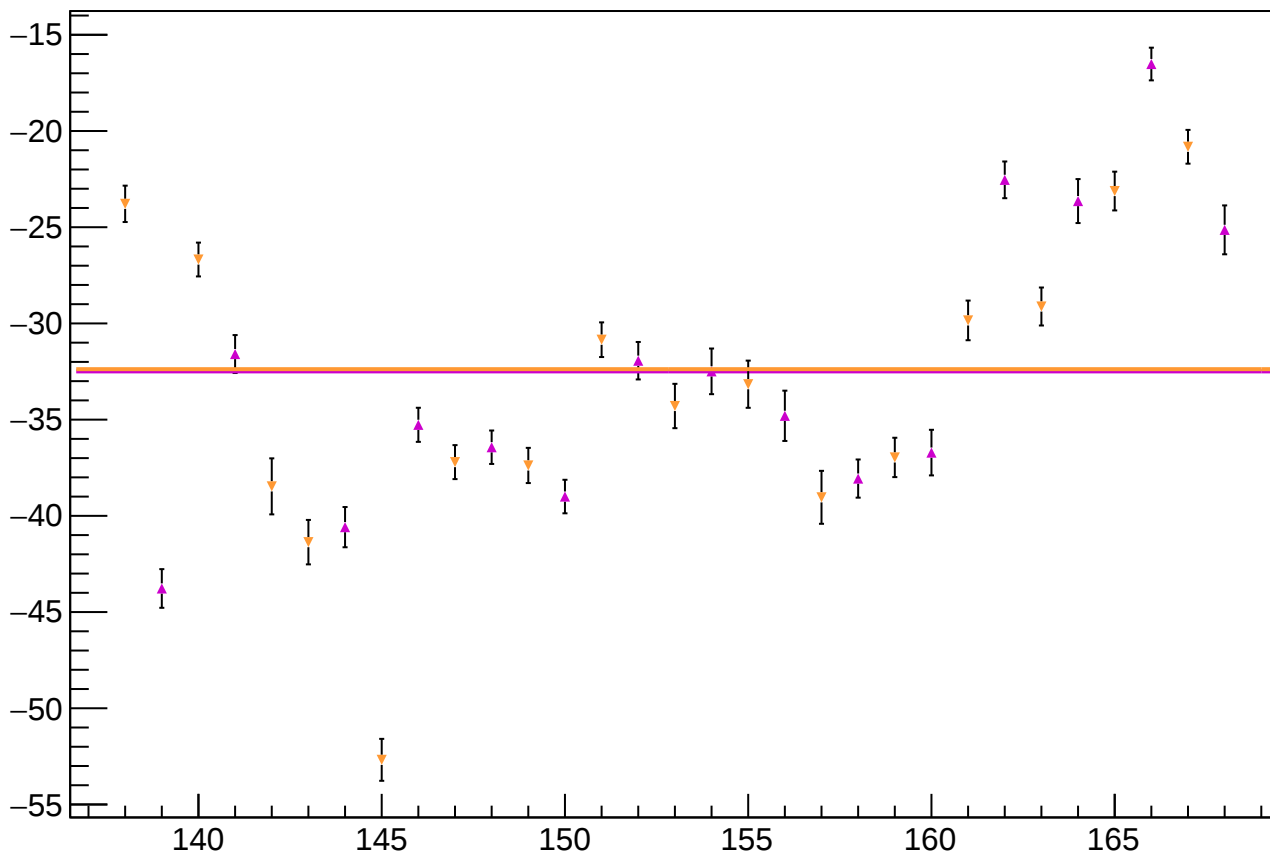
Right: -20.640 ± 0.014 $\chi^2/\text{NDF}: 26214.9/35$

In: -20.016 ± 0.009 $\chi^2/\text{NDF}: 62336.9/31$

Out: -20.412 ± 0.009 $\chi^2/\text{NDF}: 91864.3/34$

All: -20.215 ± 0.006 $\chi^2/\text{NDF}: 155187.1/66$

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.377+/-0.255 χ^2/NDF :934.1/15

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

Left In: -32.493+/-0.260 χ^2/NDF :876.5/14

Left: -32.434+/-0.182 χ^2/NDF : 1810.7/30

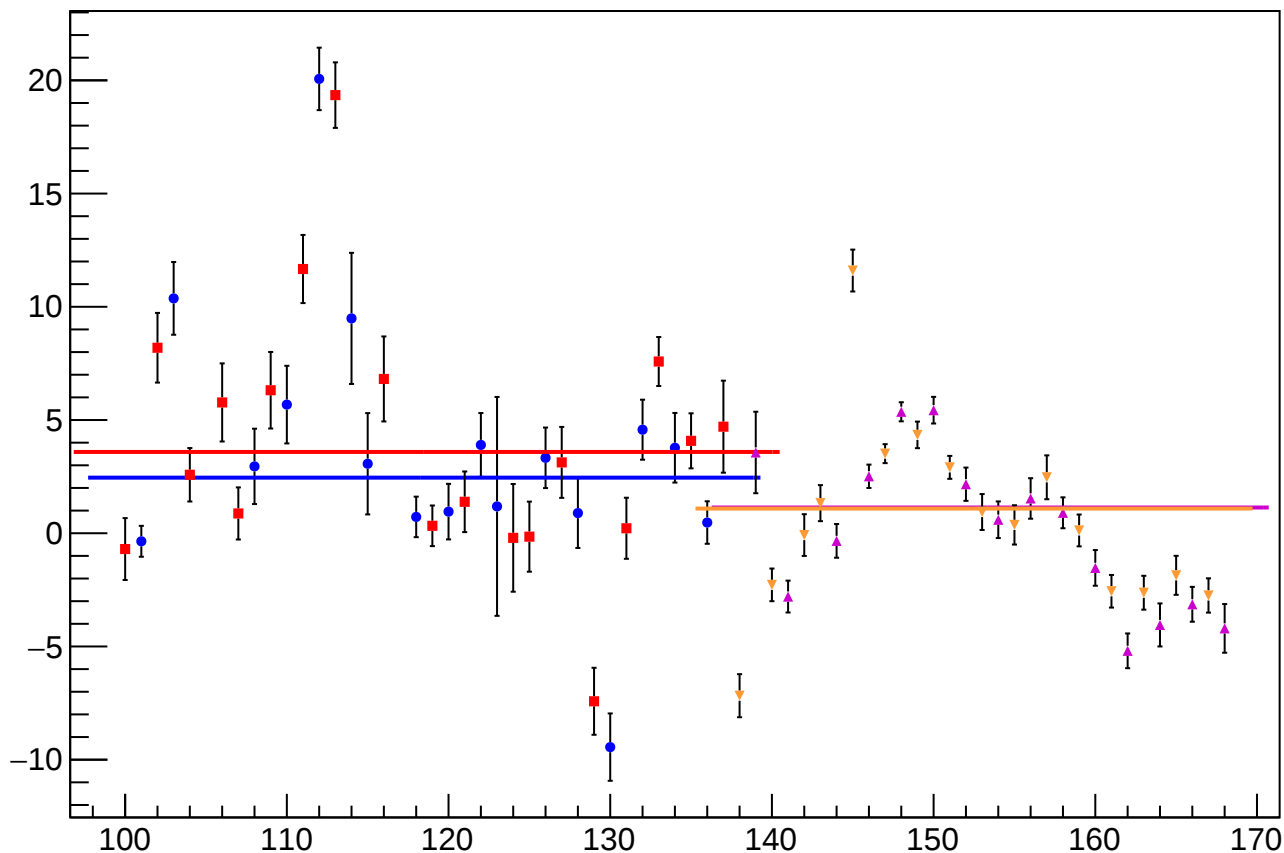
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.493+/-0.260 χ^2/NDF :876.5/14

Out: -32.377+/-0.255 χ^2/NDF :934.1/15

All: -32.434+/-0.182 χ^2/NDF : 1810.7/30

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: 1.090 $\pm$ 0.176 χ^2/NDF : 398.0/15

Right Out: 3.590 $\pm$ 0.318 χ^2/NDF : 279.8/18

Left In: 1.136 $\pm$ 0.182 χ^2/NDF : 365.7/14

Left: 1.112 $\pm$ 0.127 χ^2/NDF : 763.7/30

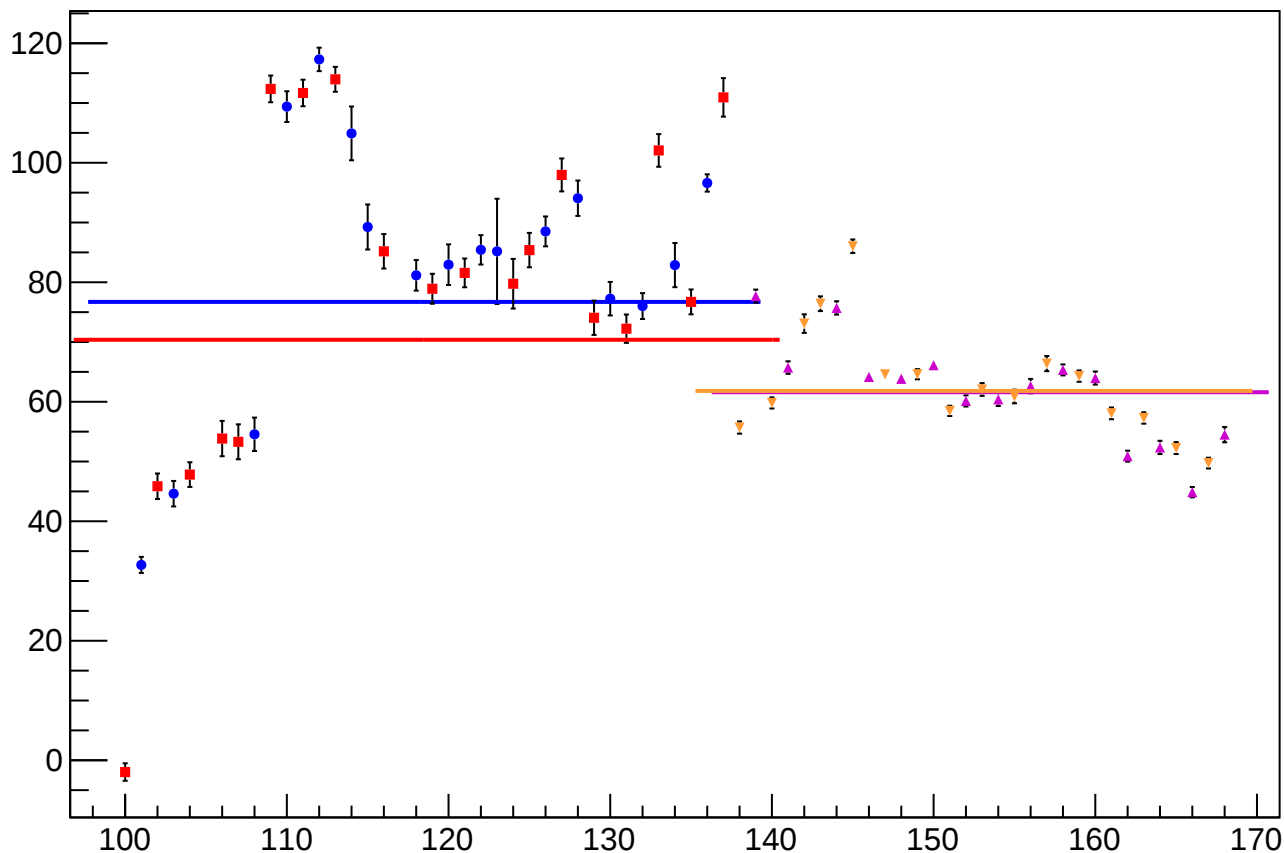
Right: 3.017 $\pm$ 0.224 χ^2/NDF : 579.8/35

In: 1.467 $\pm$ 0.158 χ^2/NDF : 672.3/31

Out: 1.677 $\pm$ 0.154 χ^2/NDF : 725.2/34

All: 1.574 $\pm$ 0.110 χ^2/NDF : 1398.4/66

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 61.812 $\pm$ 0.251 χ^2 /NDF:1052.4/15

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

Left In: 61.597 $\pm$ 0.253 χ^2 /NDF:1075.0/14

Left: 61.705 $\pm$ 0.178 χ^2 /NDF: 2127.8/30

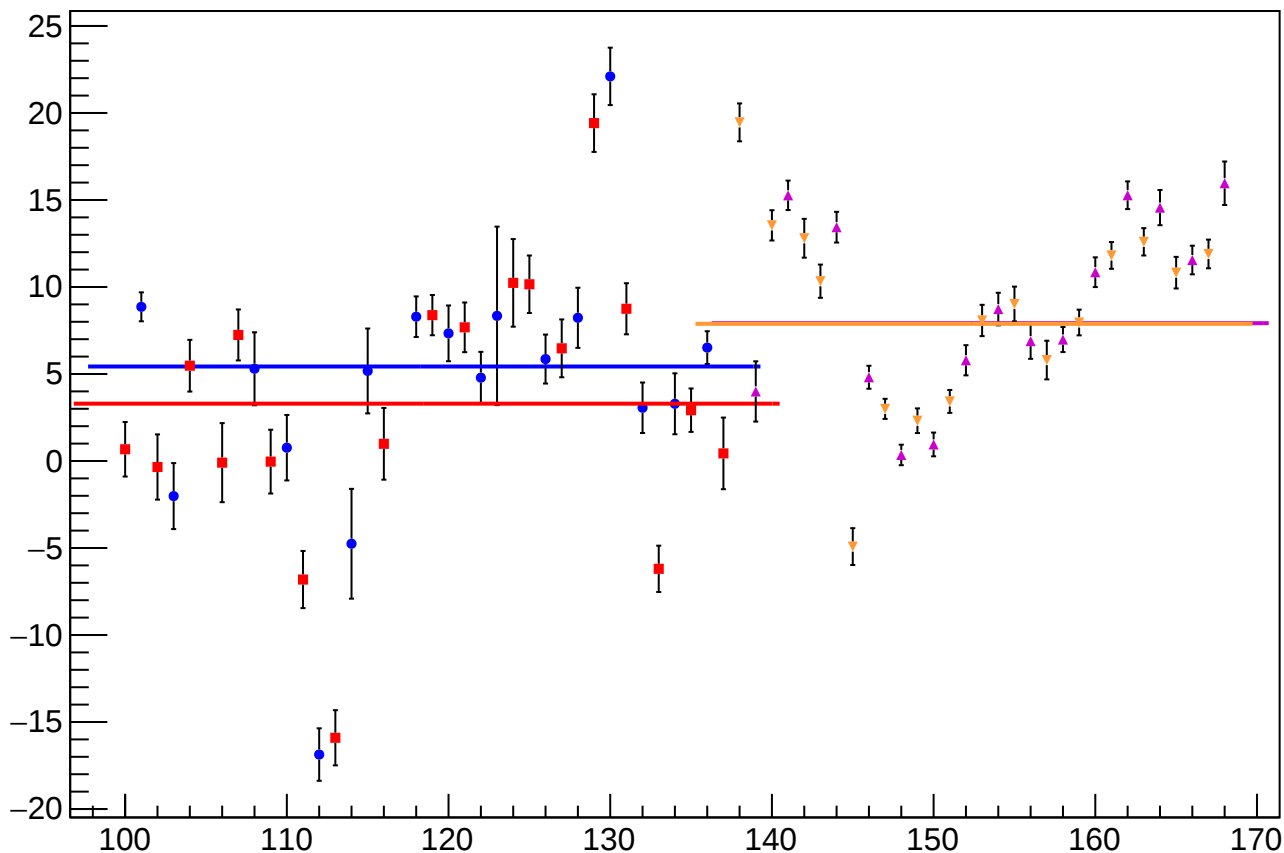
Right: 73.396 $\pm$ 0.398 χ^2 /NDF: 6720.6/35

In: 64.046 $\pm$ 0.232 χ^2 /NDF:3918.0/31

Out: 63.289 $\pm$ 0.228 χ^2 /NDF:5643.8/34

All: 63.661 $\pm$ 0.163 χ^2 /NDF: 9567.3/66

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 7.884 ± 0.208 χ^2/NDF : 608.1/15

Right Out: 3.295 ± 0.365 χ^2/NDF : 426.1/18

Left In: 7.920 ± 0.215 χ^2/NDF : 621.2/14

Left: 7.902 ± 0.149 χ^2/NDF : 1229.2/30

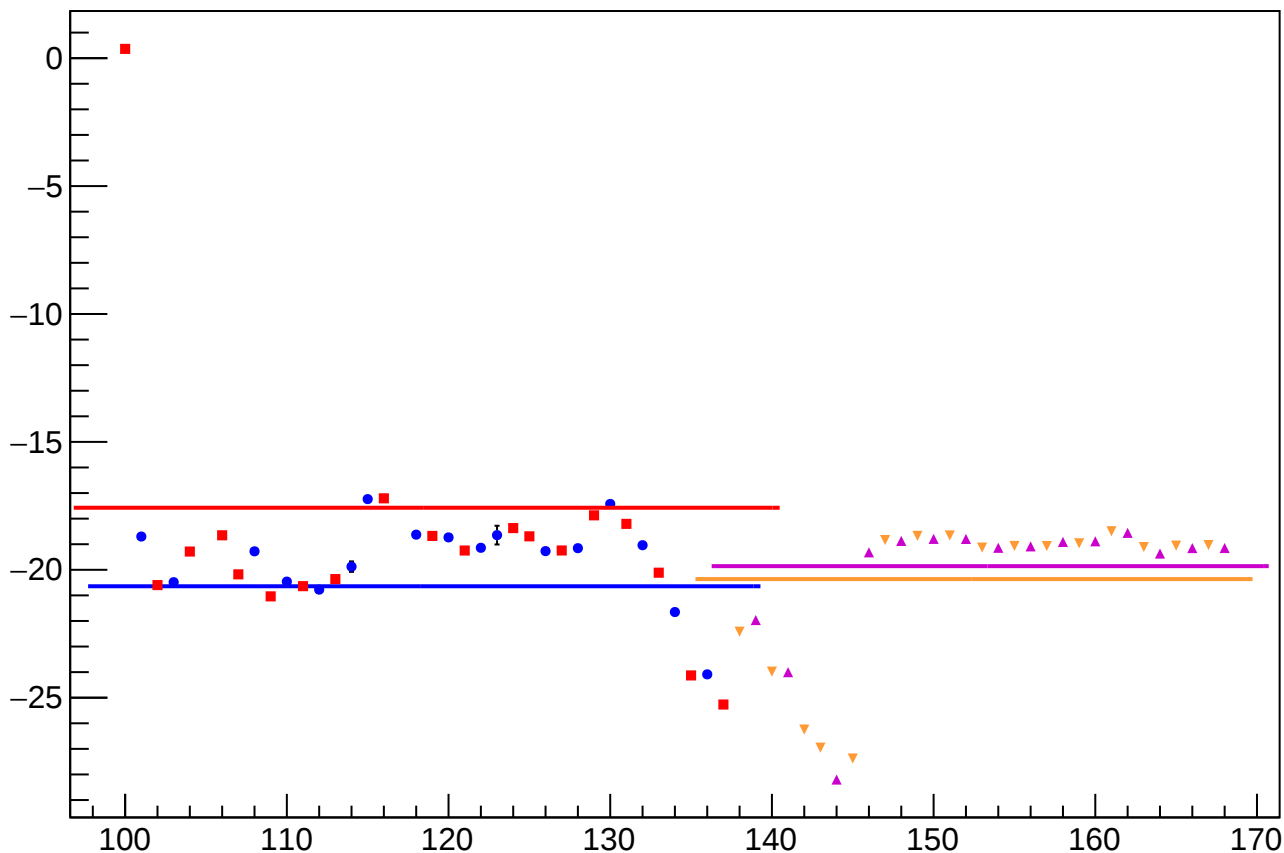
Right: 4.376 ± 0.257 χ^2/NDF : 829.3/35

In: 7.269 ± 0.184 χ^2/NDF : 1042.3/31

Out: 6.761 ± 0.181 χ^2/NDF : 1153.5/34

All: 7.010 ± 0.129 χ^2/NDF : 2199.6/66

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: -20.362 $\pm$ 0.010 χ^2/NDF : 77772.0/15

Right Out: -17.574 $\pm$ 0.018 χ^2/NDF : 178327.0/18

Left In: -19.857 $\pm$ 0.010 χ^2/NDF : 48498.1/14

Left: -20.112 $\pm$ 0.007 χ^2/NDF : 127531.1/30

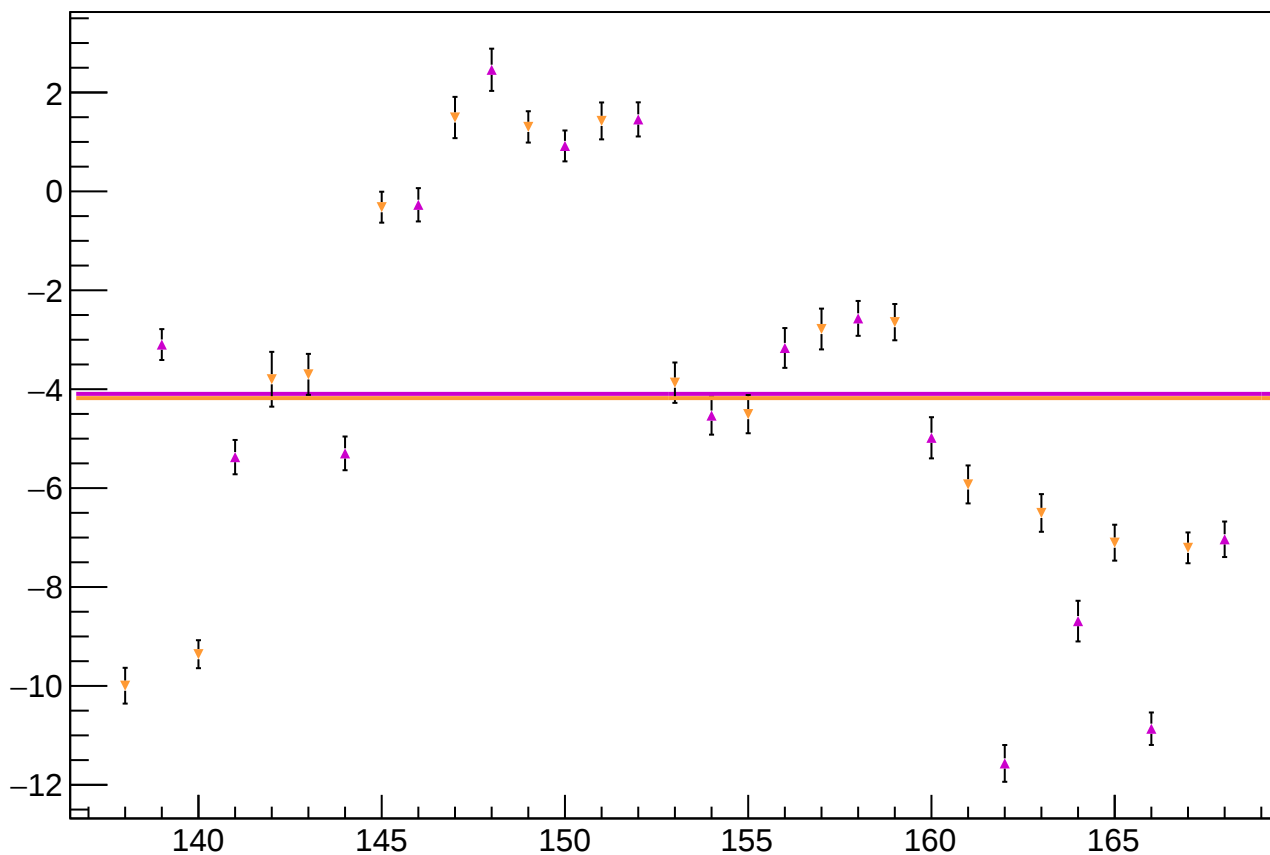
Right: -19.001 $\pm$ 0.013 χ^2/NDF : 204262.7/35

In: -20.025 $\pm$ 0.009 χ^2/NDF : 62264.5/31

Out: -19.706 $\pm$ 0.009 χ^2/NDF : 274371.4/34

All: -19.862 $\pm$ 0.006 χ^2/NDF : 337288.4/66

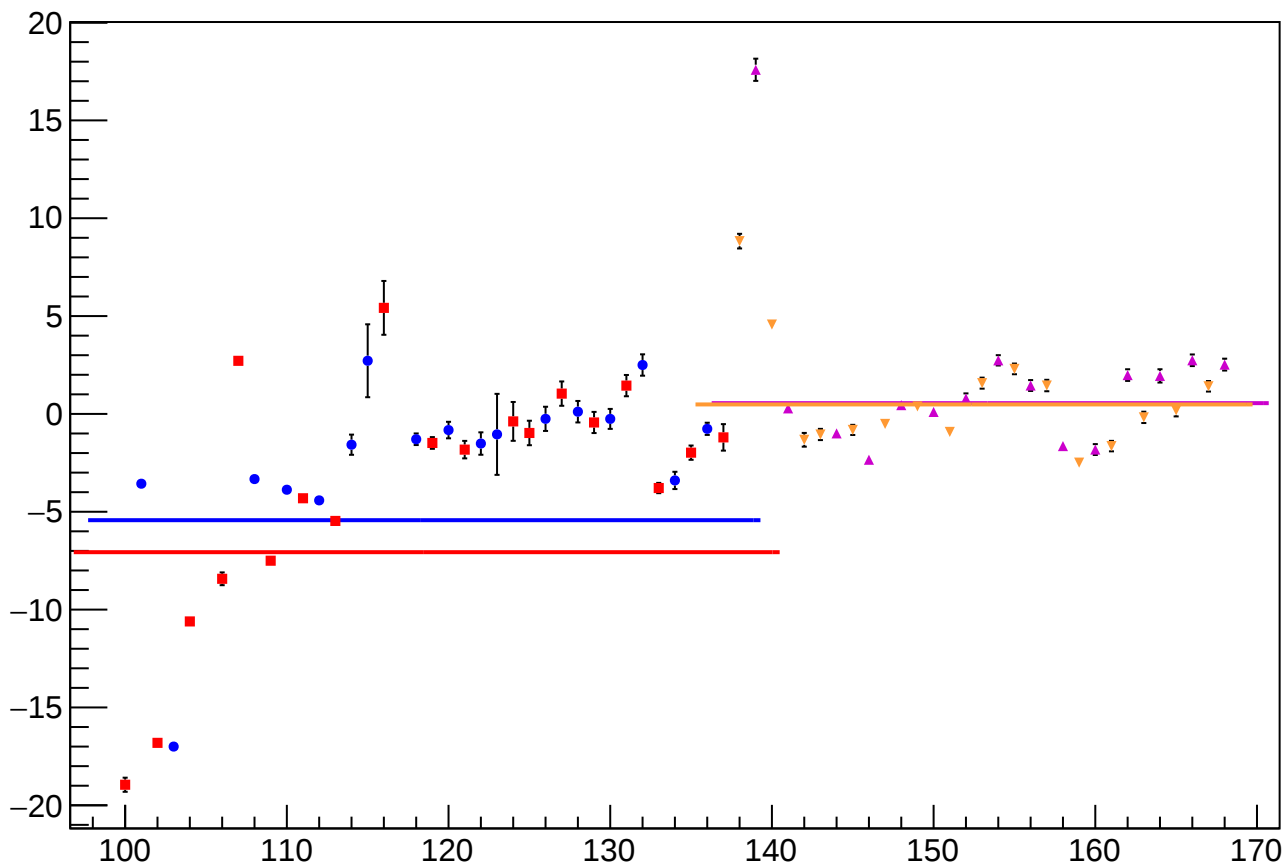
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -4.180+/-0.091 χ^2/NDF :1704.9/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.094+/-0.092 χ^2/NDF :1967.3/14

Left: -4.138+/-0.065 χ^2/NDF : 3672.7/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.094+/-0.092 χ^2/NDF :1967.3/14
 Out: -4.180+/-0.091 χ^2/NDF :1704.9/15
 All: -4.138+/-0.065 χ^2/NDF : 3672.7/30

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: 0.485 ± 0.066 χ^2/NDF : 1233.2/15

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

Left In: 0.550 ± 0.068 χ^2/NDF : 1502.2/14

Left: 0.516 ± 0.047 χ^2/NDF : 2735.9/30

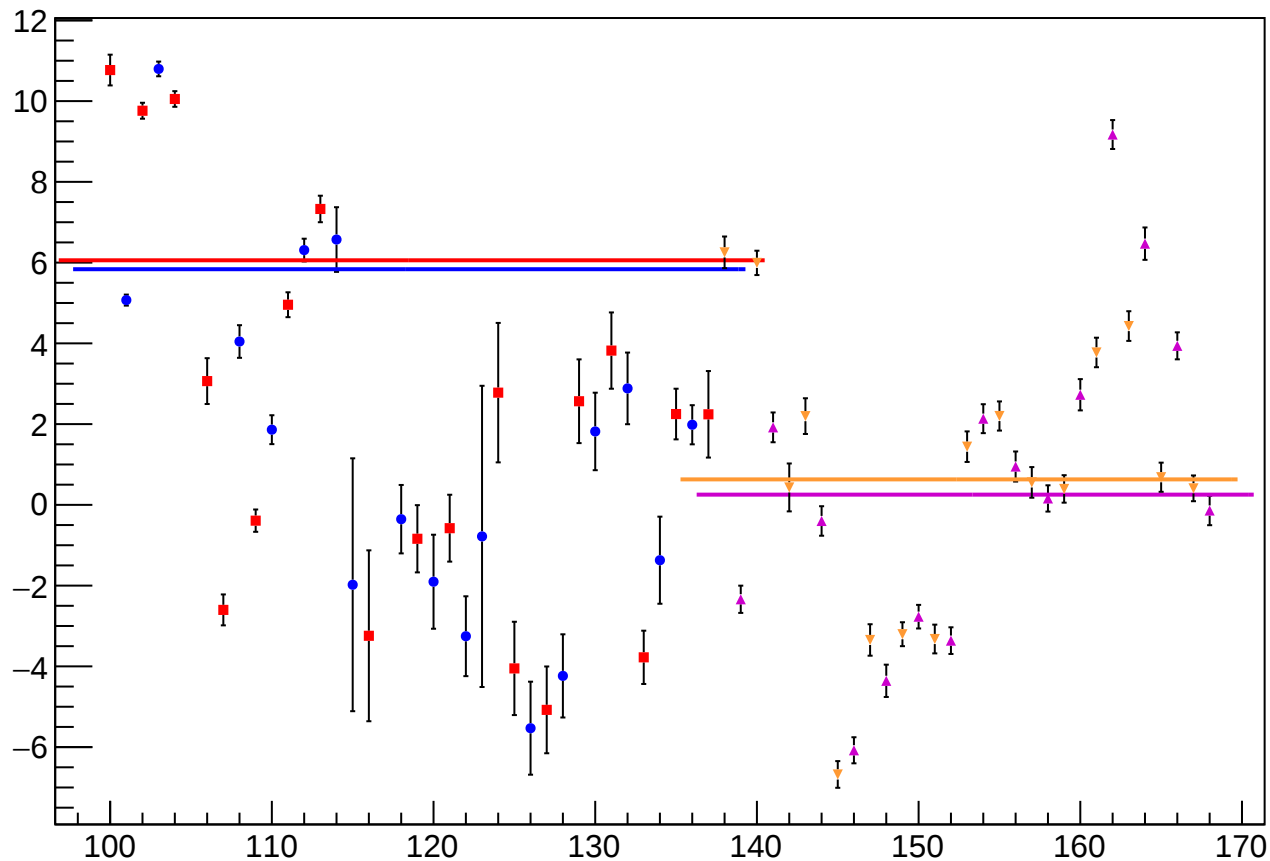
Right: -6.189 ± 0.040 χ^2/NDF : 21952.0/35

In: -3.069 ± 0.043 χ^2/NDF : 15428.5/31

Out: -3.687 ± 0.044 χ^2/NDF : 20862.9/34

All: -3.369 ± 0.031 χ^2/NDF : 36393.1/66

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 $\pm$ 0.090 χ^2/NDF : 1440.9/16

Left Out: 0.631 $\pm$ 0.090 χ^2/NDF :1623.3/15

Right Out: 6.057 $\pm$ 0.093 χ^2/NDF : 2668.9/18

Left In: 0.253 $\pm$ 0.091 χ^2/NDF :1882.0/14

Left: 0.443 $\pm$ 0.064 χ^2/NDF : 3514.1/30

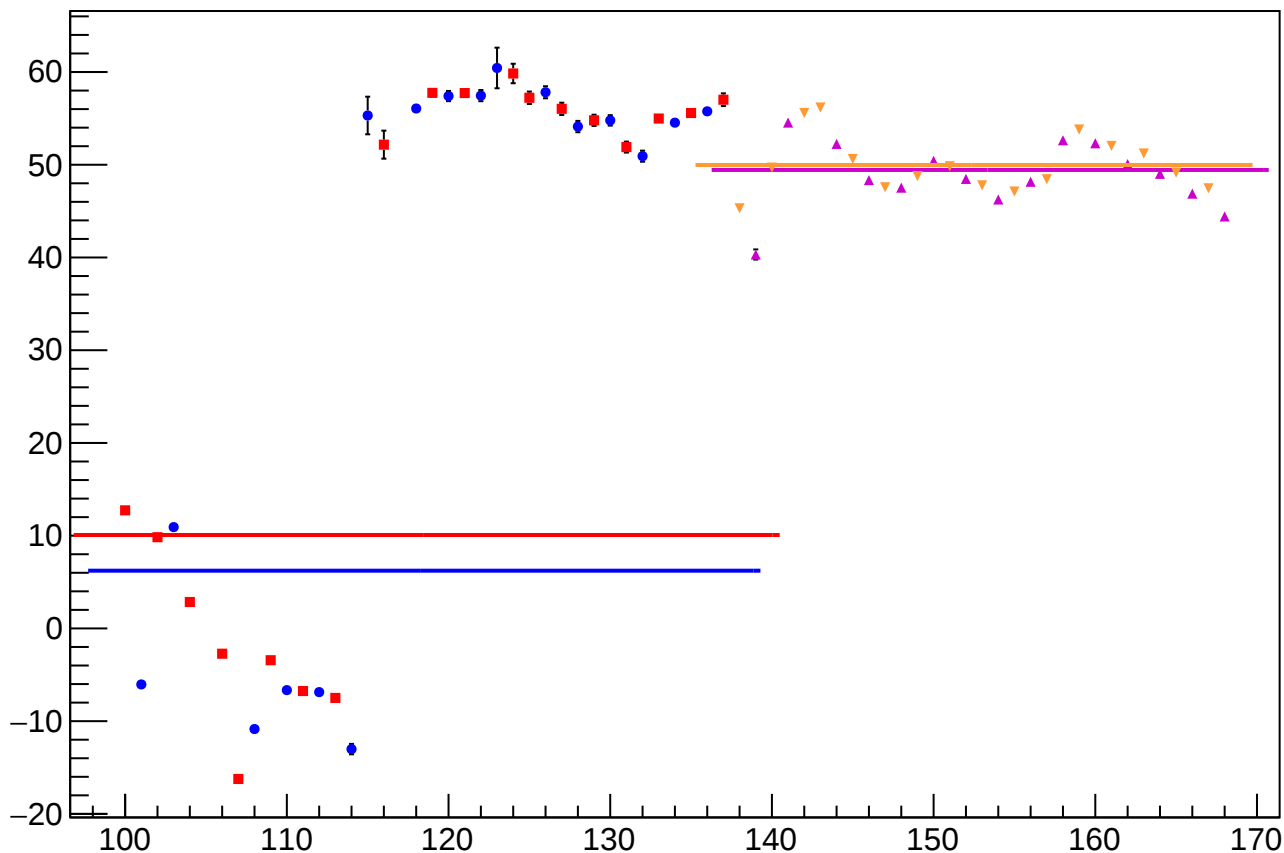
Right: 5.942 $\pm$ 0.065 χ^2/NDF : 4112.7/35

In: 3.072 $\pm$ 0.064 χ^2/NDF :5242.6/31

Out: 3.250 $\pm$ 0.065 χ^2/NDF :6041.4/34

All: 3.160 $\pm$ 0.045 χ^2/NDF : 11287.8/66

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 $\pm$ 0.065 χ^2 /NDF: 120955.1/16

Left Out: 49.976 $\pm$ 0.076 χ^2 /NDF:1234.2/15

Right Out: 10.075 $\pm$ 0.070 χ^2 /NDF: 122049.3/18

Left In: 49.439 $\pm$ 0.078 χ^2 /NDF:1397.4/14

Left: 49.715 $\pm$ 0.055 χ^2 /NDF: 2655.8/30

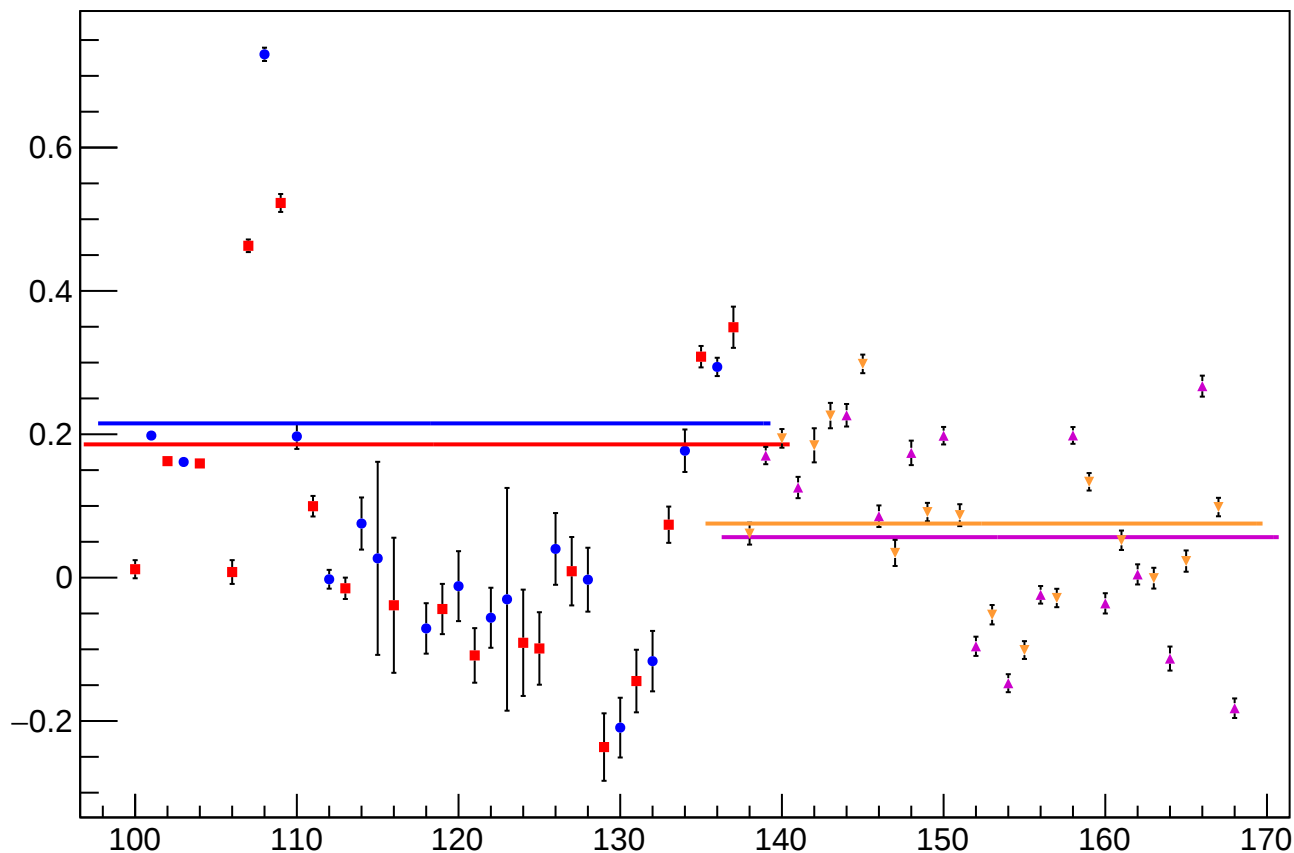
Right: 8.011 $\pm$ 0.047 χ^2 /NDF: 244638.0/35

In: 23.782 $\pm$ 0.050 χ^2 /NDF:302862.2/31

Out: 28.276 $\pm$ 0.051 χ^2 /NDF:272611.8/34

All: 25.964 $\pm$ 0.036 χ^2 /NDF: 579401.9/66

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.075 ± 0.004 χ^2/NDF : 904.8/15

Right Out: 0.186 ± 0.003 χ^2/NDF : 2718.1/18

Left In: 0.056 ± 0.004 χ^2/NDF : 1667.1/14

Left: 0.066 ± 0.003 χ^2/NDF : 2586.2/30

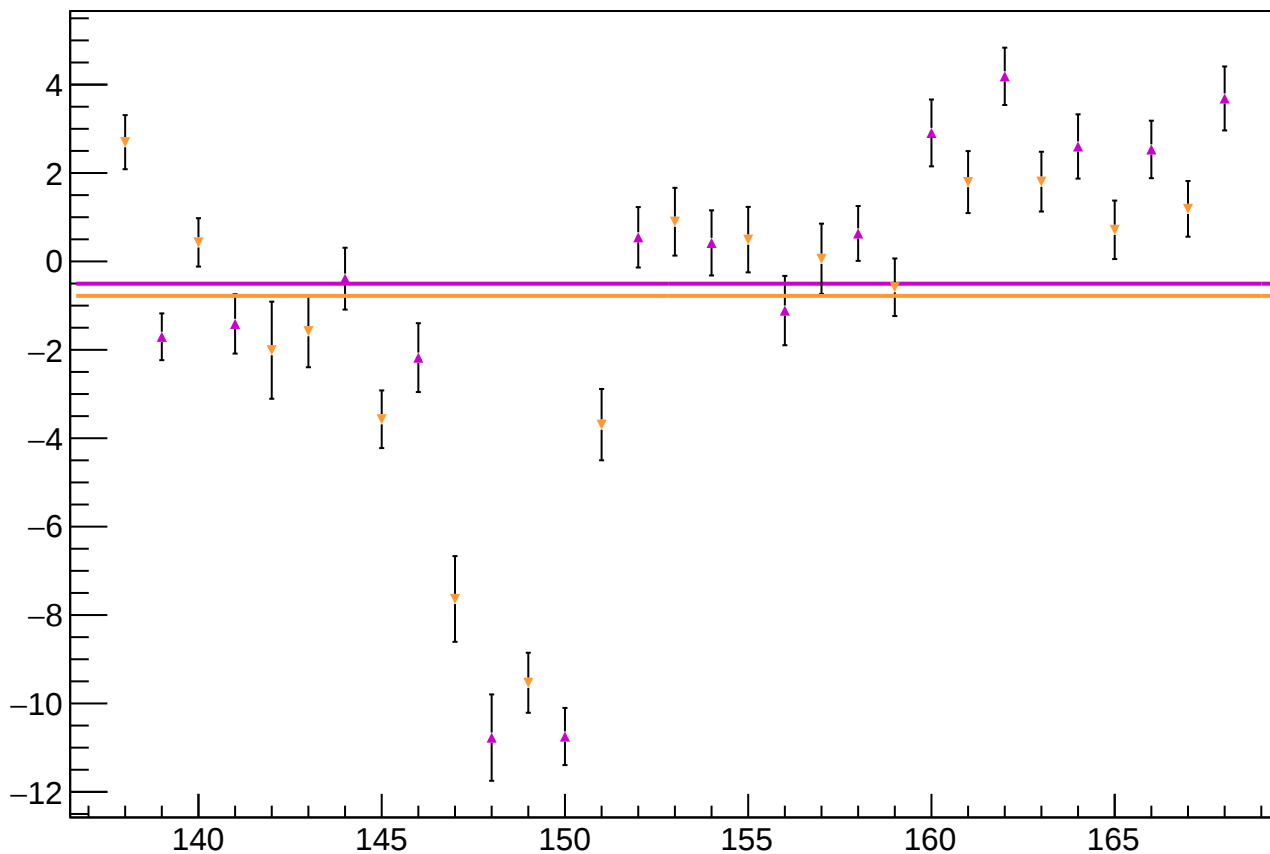
Right: 0.200 ± 0.002 χ^2/NDF : 6701.6/35

In: 0.155 ± 0.002 χ^2/NDF : 6837.1/31

Out: 0.145 ± 0.002 χ^2/NDF : 4241.2/34

All: 0.150 ± 0.002 χ^2/NDF : 11088.1/66

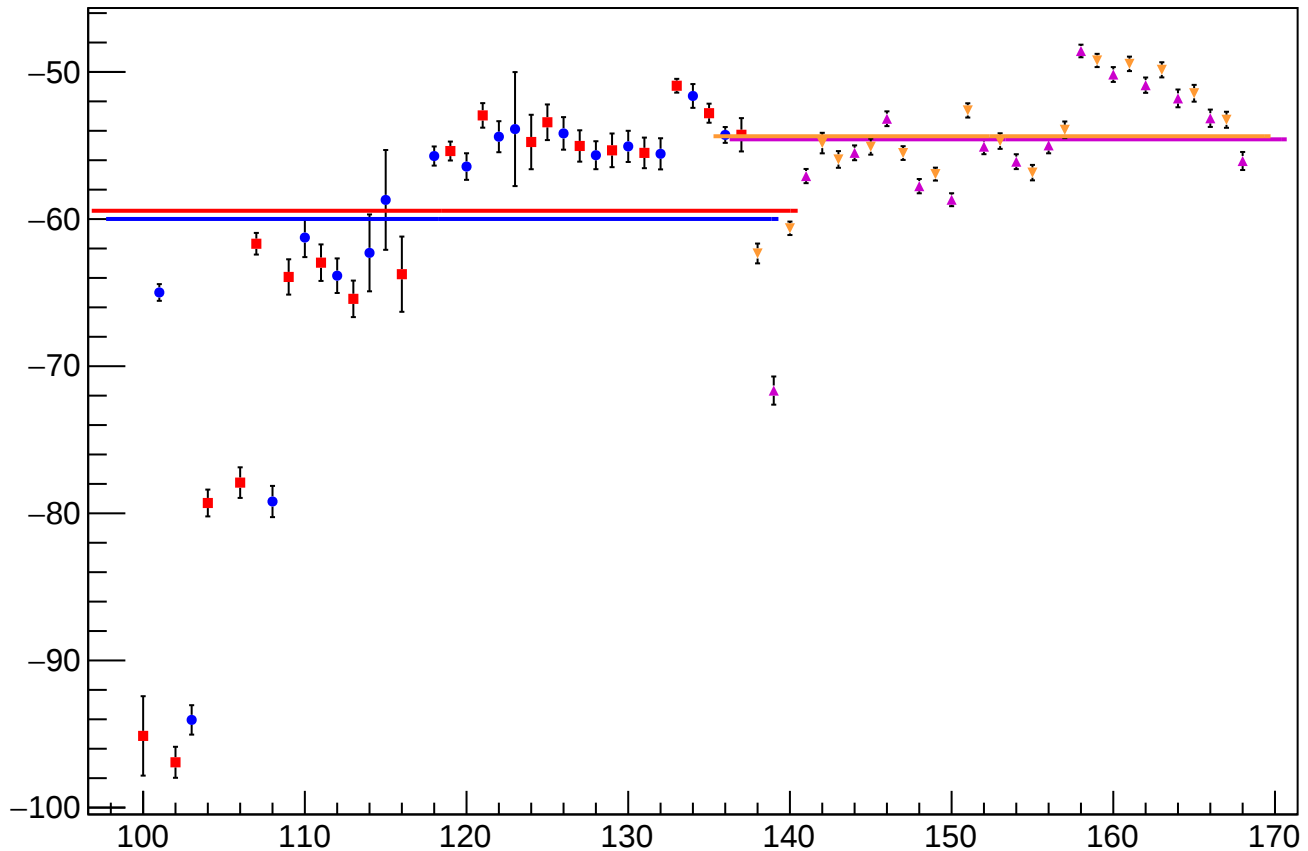
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.779 $\pm$ 0.177 χ^2 /NDF:338.8/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.504 $\pm$ 0.178 χ^2 /NDF:527.3/14

Left: -0.643 $\pm$ 0.126 χ^2 /NDF: 867.4/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.504 $\pm$ 0.178 χ^2 /NDF:527.3/14
 Out: -0.779 $\pm$ 0.177 χ^2 /NDF:338.8/15
 All: -0.643 $\pm$ 0.126 χ^2 /NDF: 867.4/30

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.370 ± 0.130 χ^2/NDF : 751.8/15

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

Left In: -54.580 ± 0.135 χ^2/NDF : 851.2/14

Left: -54.471 ± 0.094 χ^2/NDF : 1604.3/30

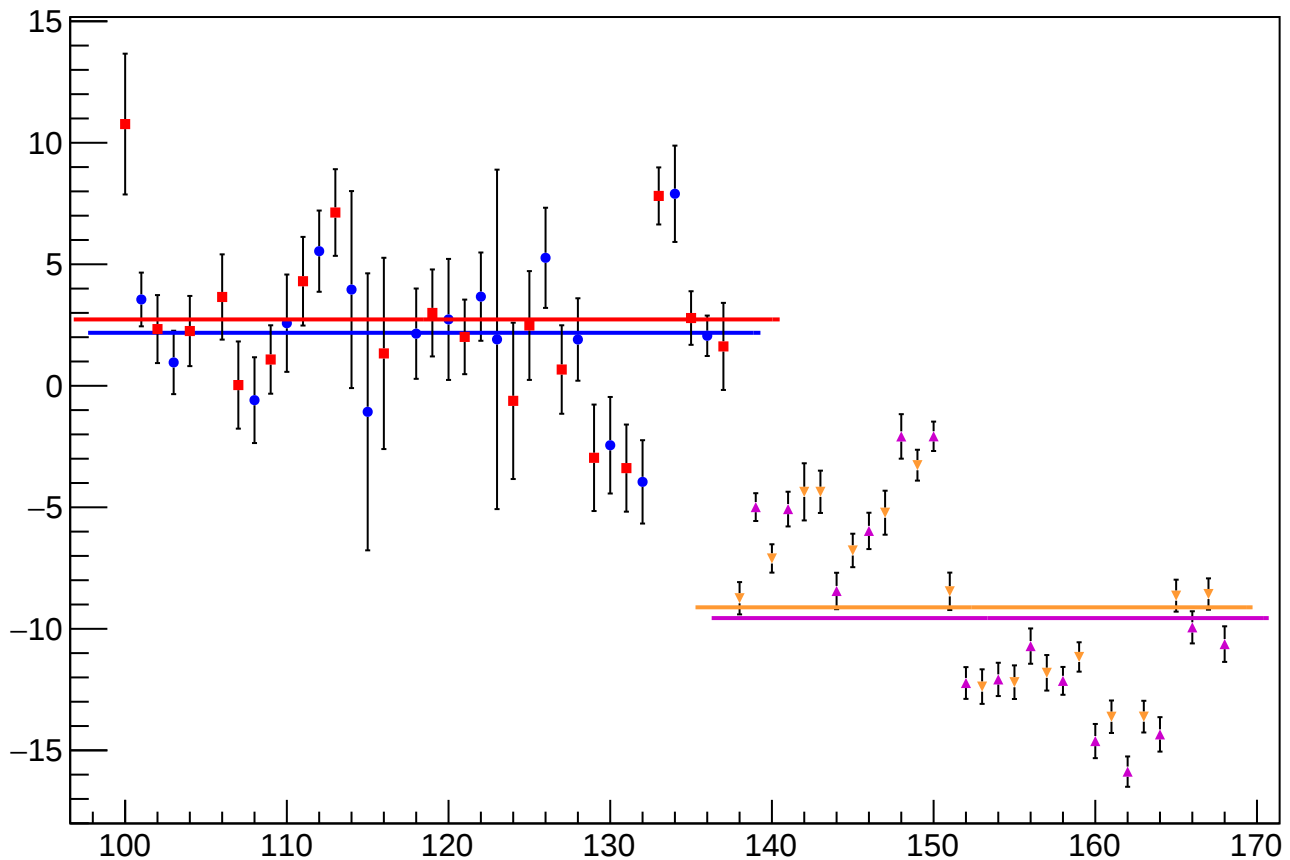
Right: -59.697 ± 0.154 χ^2/NDF : 4894.0/35

In: -56.009 ± 0.116 χ^2/NDF : 3250.0/31

Out: -55.756 ± 0.111 χ^2/NDF : 4084.6/34

All: -55.877 ± 0.080 χ^2/NDF : 7337.1/66

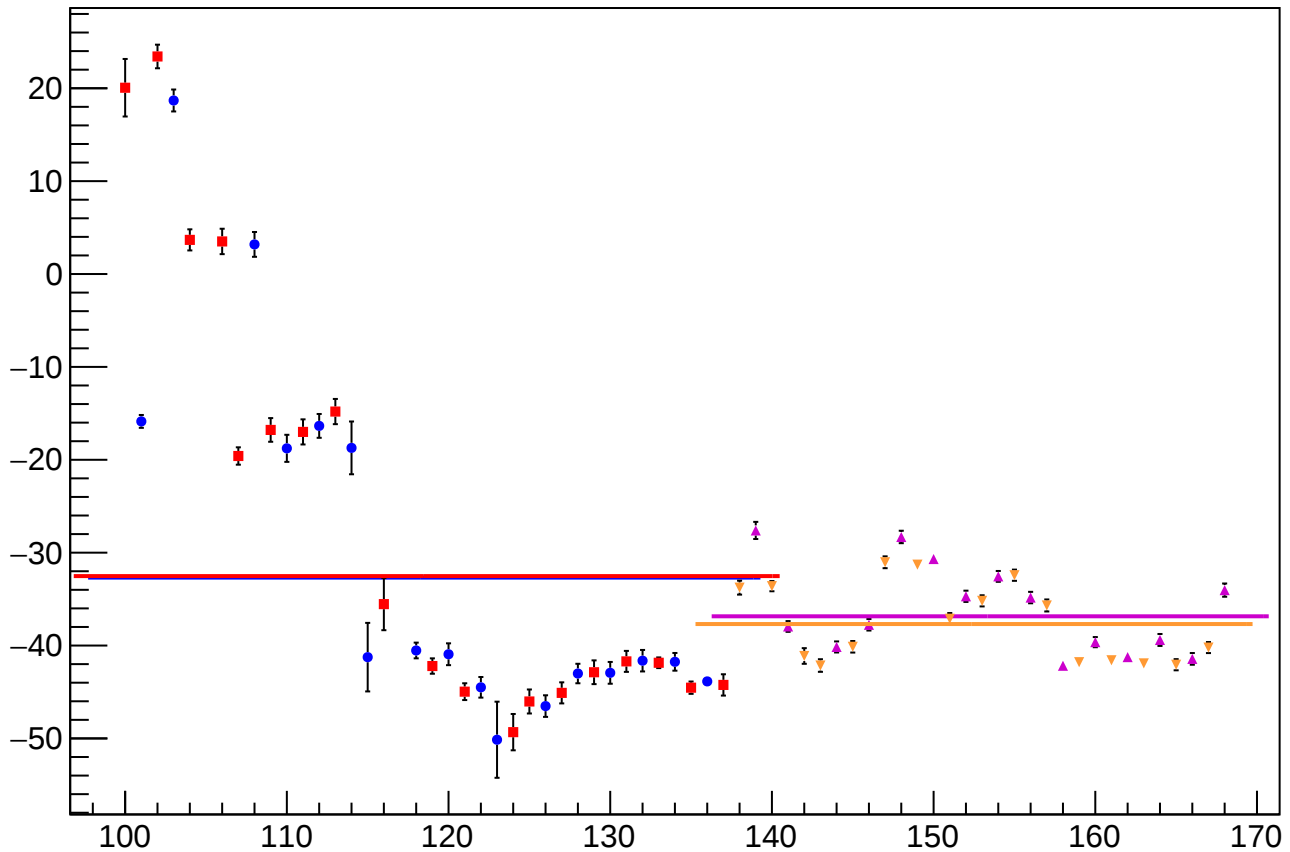
reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$
 Left Out: -9.115 ± 0.175 $\chi^2/\text{NDF}: 334.0/15$
 Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$
 Left In: -9.558 ± 0.175 $\chi^2/\text{NDF}: 603.3/14$

Left: -9.336 ± 0.124 $\chi^2/\text{NDF}: 940.5/30$
 Right: 2.468 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$
 In: -7.716 ± 0.161 $\chi^2/\text{NDF}: 1348.4/31$
 Out: -7.116 ± 0.159 $\chi^2/\text{NDF}: 1167.9/34$
 All: -7.414 ± 0.113 $\chi^2/\text{NDF}: 2523.4/66$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -37.685 ± 0.149 $\chi^2/\text{NDF}: 779.3/15$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

Left In: -36.851 ± 0.153 $\chi^2/\text{NDF}: 838.7/14$

Left: -37.280 ± 0.107 $\chi^2/\text{NDF}: 1633.2/30$

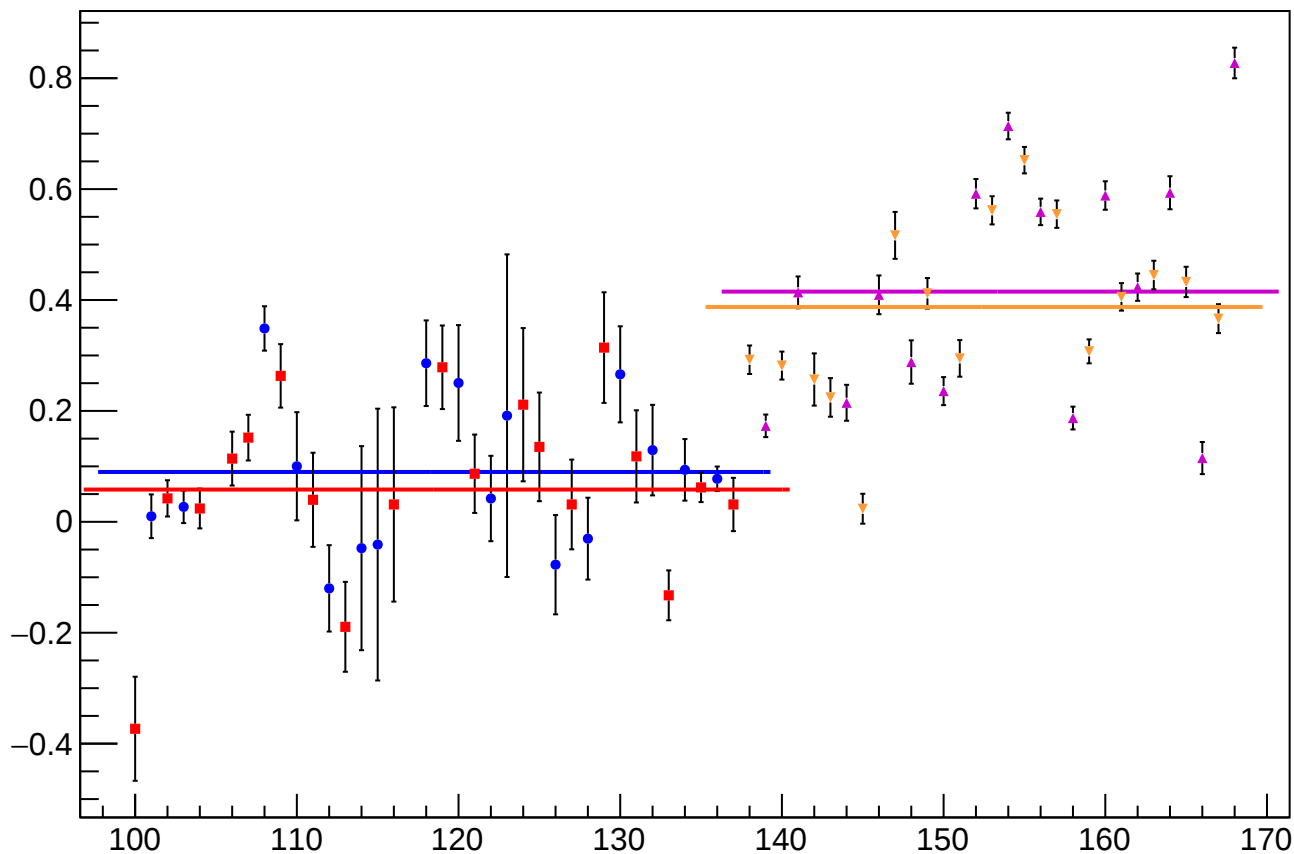
Right: -32.599 ± 0.177 $\chi^2/\text{NDF}: 10692.4/35$

In: -35.749 ± 0.132 $\chi^2/\text{NDF}: 5681.0/31$

Out: -36.281 ± 0.127 $\chi^2/\text{NDF}: 7150.4/34$

All: -36.024 ± 0.091 $\chi^2/\text{NDF}: 12839.9/66$

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: 0.387 ± 0.007 $\chi^2/\text{NDF}: 499.7/15$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

Left In: 0.415 ± 0.007 $\chi^2/\text{NDF}: 1010.4/14$

Left: 0.401 ± 0.005 $\chi^2/\text{NDF}: 1518.5/30$

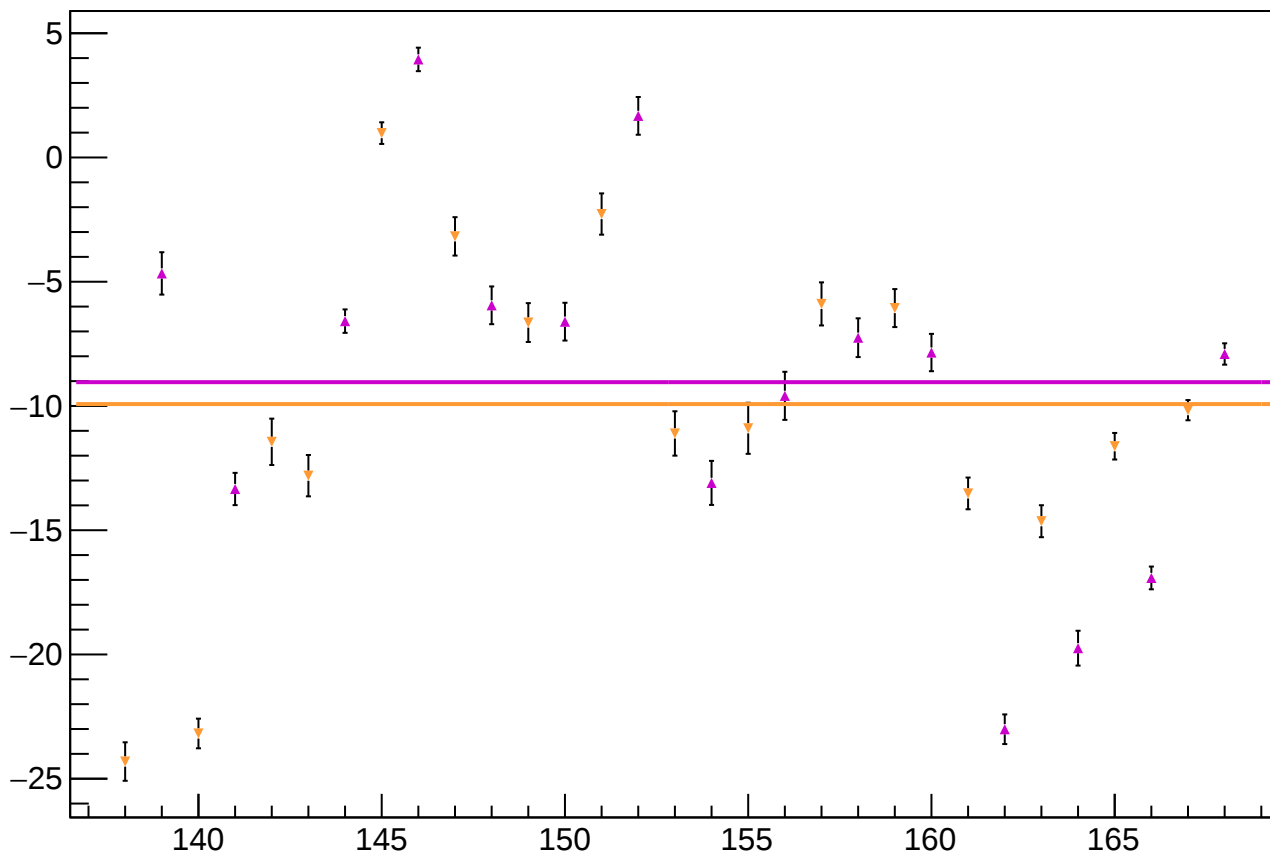
Right: 0.073 ± 0.009 $\chi^2/\text{NDF}: 169.1/35$

In: 0.343 ± 0.006 $\chi^2/\text{NDF}: 1596.4/31$

Out: 0.309 ± 0.006 $\chi^2/\text{NDF}: 1144.1/34$

All: 0.326 ± 0.004 $\chi^2/\text{NDF}: 2757.0/66$

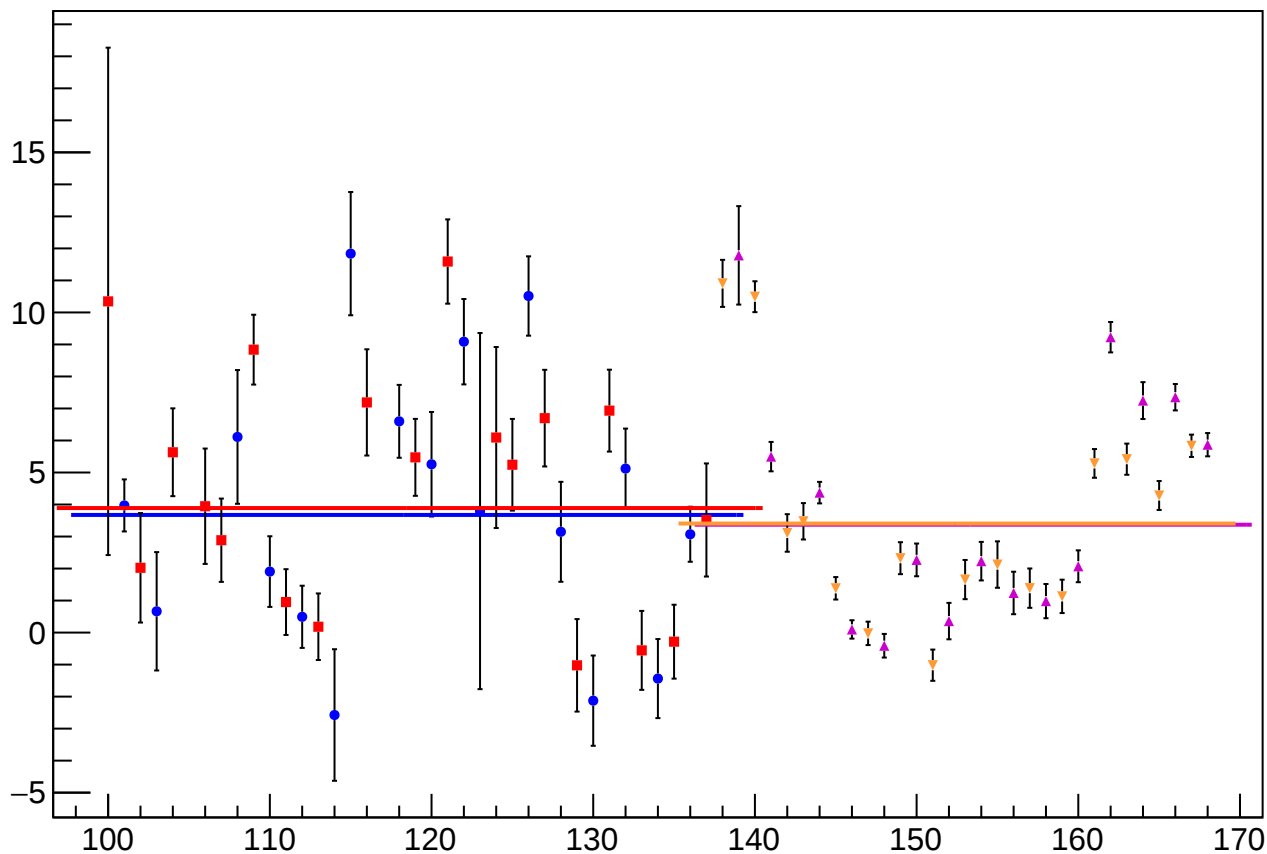
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -9.924 ± 0.165 $\chi^2/\text{NDF}: 1802.8/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -9.042 ± 0.161 $\chi^2/\text{NDF}: 2191.8/14$

Left: -9.471 ± 0.115 $\chi^2/\text{NDF}: 4009.2/30$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -9.042 ± 0.161 $\chi^2/\text{NDF}: 2191.8/14$
 Out: -9.924 ± 0.165 $\chi^2/\text{NDF}: 1802.8/15$
 All: -9.471 ± 0.115 $\chi^2/\text{NDF}: 4009.2/30$

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: 3.406 ± 0.120 $\chi^2/\text{NDF}: 656.4/15$

Right Out: 3.890 ± 0.316 $\chi^2/\text{NDF}: 133.7/18$

Left In: 3.370 ± 0.116 $\chi^2/\text{NDF}: 706.6/14$

Left: 3.387 ± 0.084 $\chi^2/\text{NDF}: 1363.1/30$

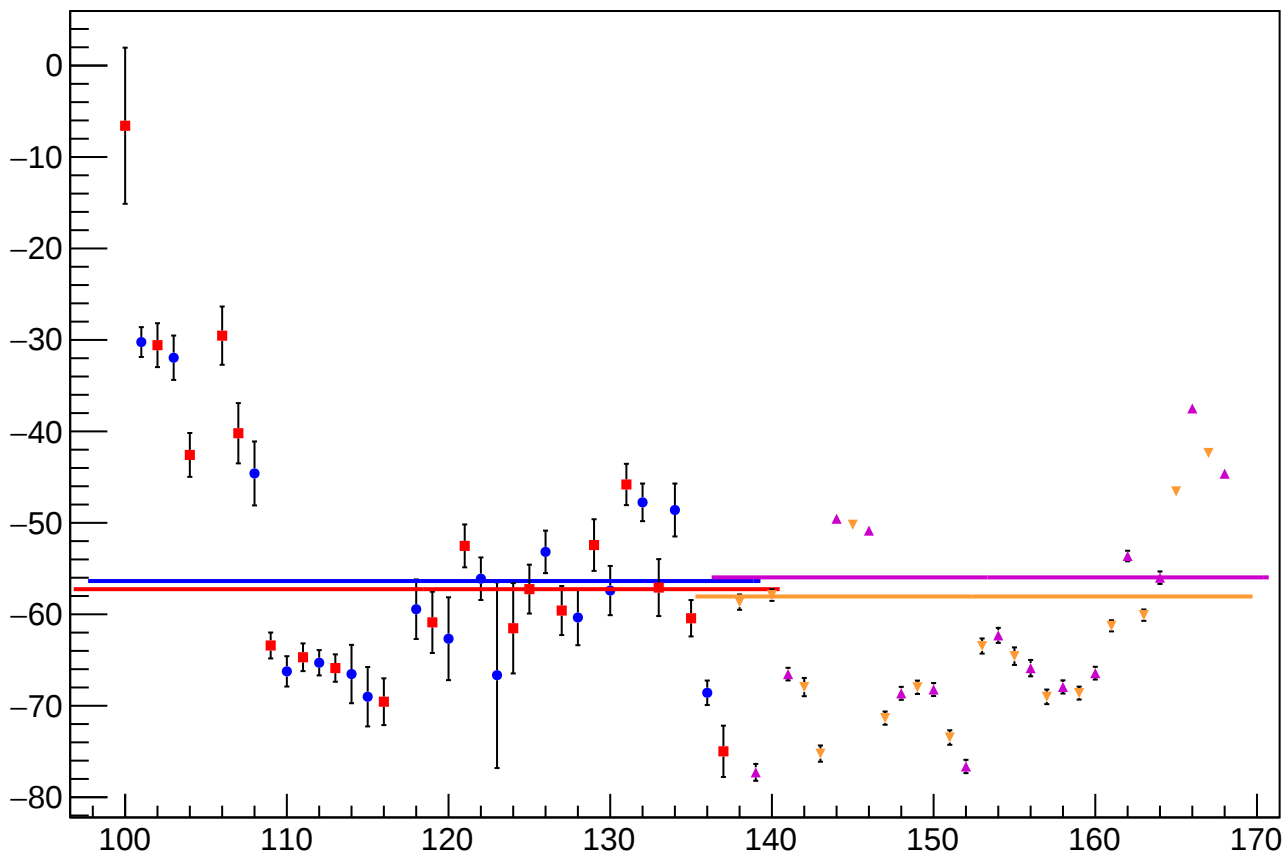
Right: 3.780 ± 0.221 $\chi^2/\text{NDF}: 269.1/35$

In: 3.407 ± 0.109 $\chi^2/\text{NDF}: 842.6/31$

Out: 3.467 ± 0.112 $\chi^2/\text{NDF}: 792.2/34$

All: 3.436 ± 0.078 $\chi^2/\text{NDF}: 1635.0/66$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -58.052 ± 0.165 χ^2/NDF : 4086.9/15

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

Left In: -55.962 ± 0.159 χ^2/NDF : 5429.8/14

Left: -56.969 ± 0.114 χ^2/NDF : 9600.2/30

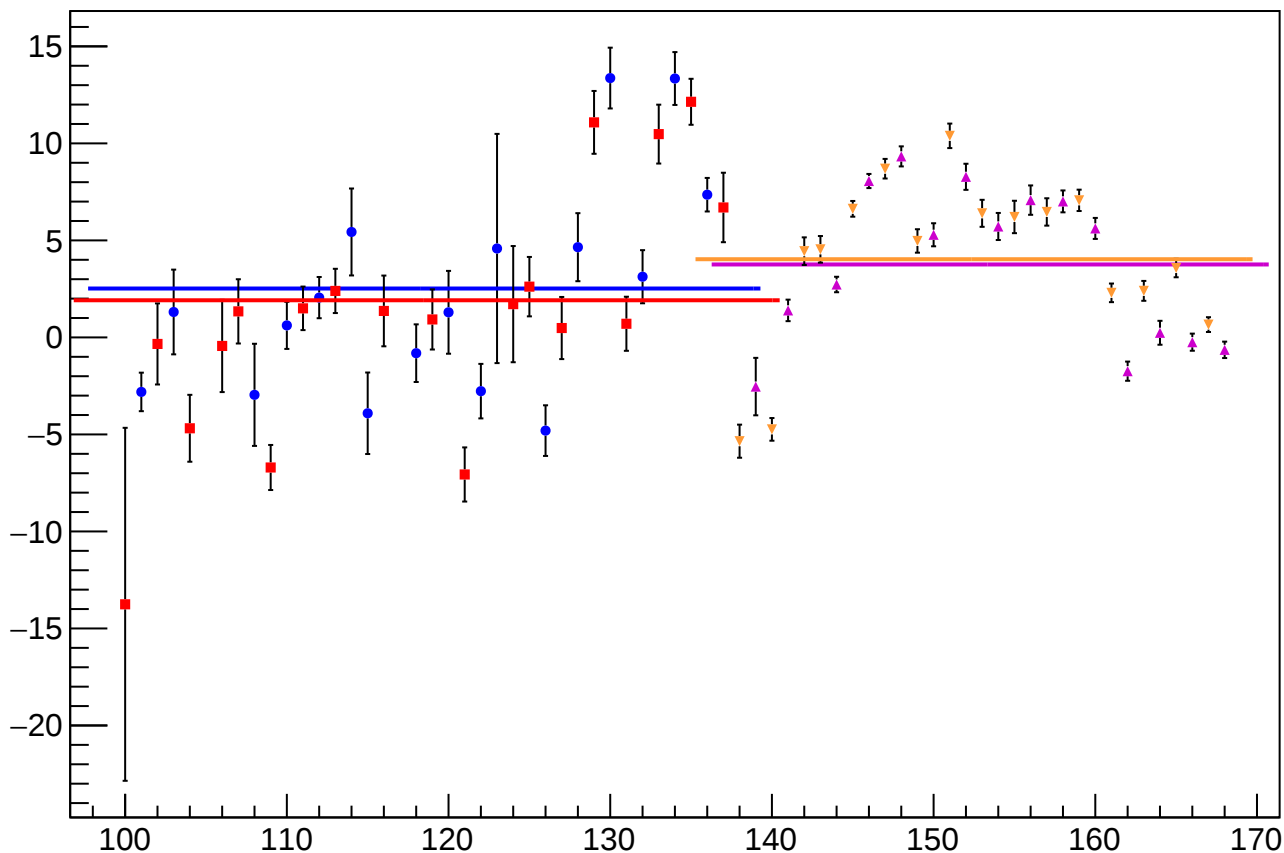
Right: -56.813 ± 0.382 χ^2/NDF : 1064.6/35

In: -55.993 ± 0.152 χ^2/NDF : 6017.5/31

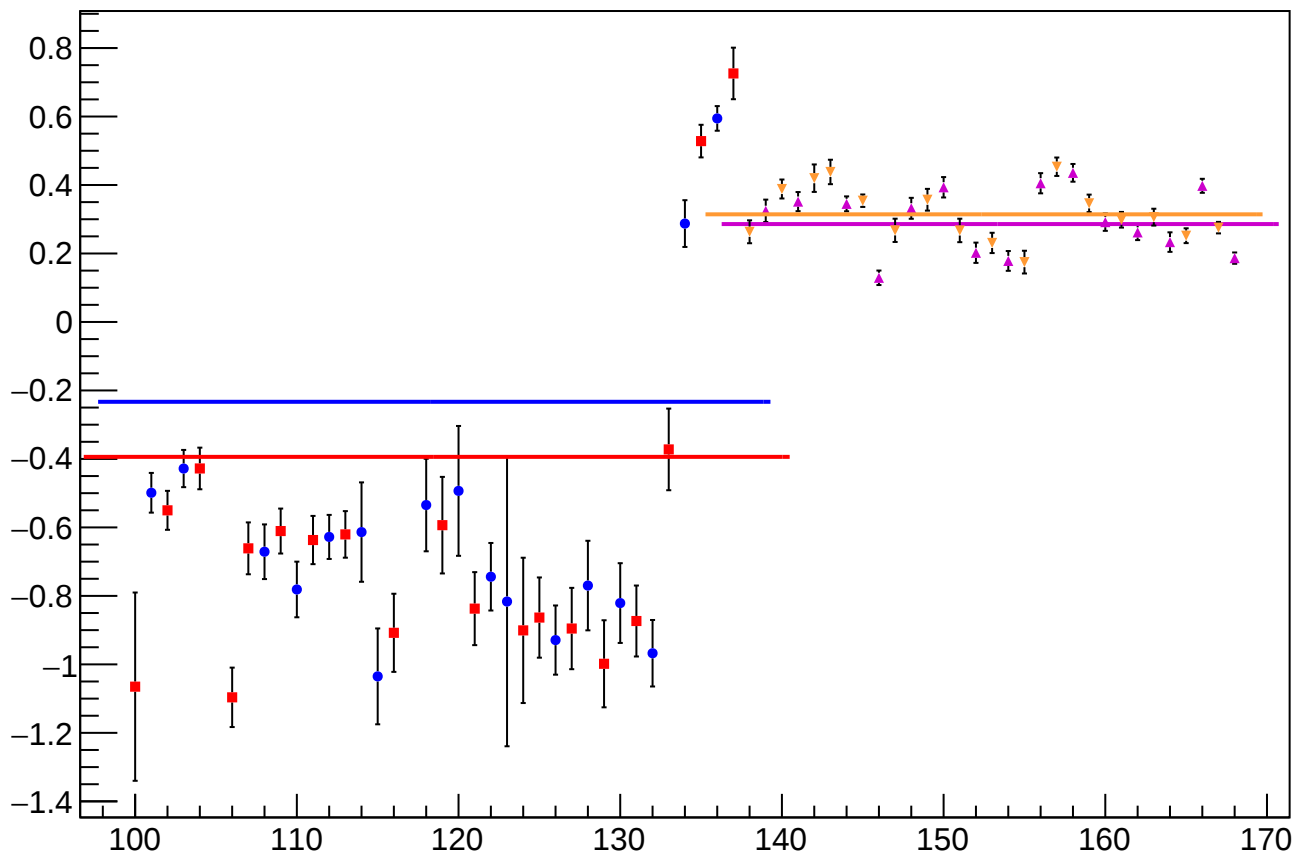
Out: -57.983 ± 0.157 χ^2/NDF : 4564.9/34

All: -56.956 ± 0.110 χ^2/NDF : 10664.9/66

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 0.314 ± 0.007 χ^2/NDF : 106.9/15

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.286 ± 0.006 χ^2/NDF : 226.8/14

Left: 0.300 ± 0.005 χ^2/NDF : 343.5/30

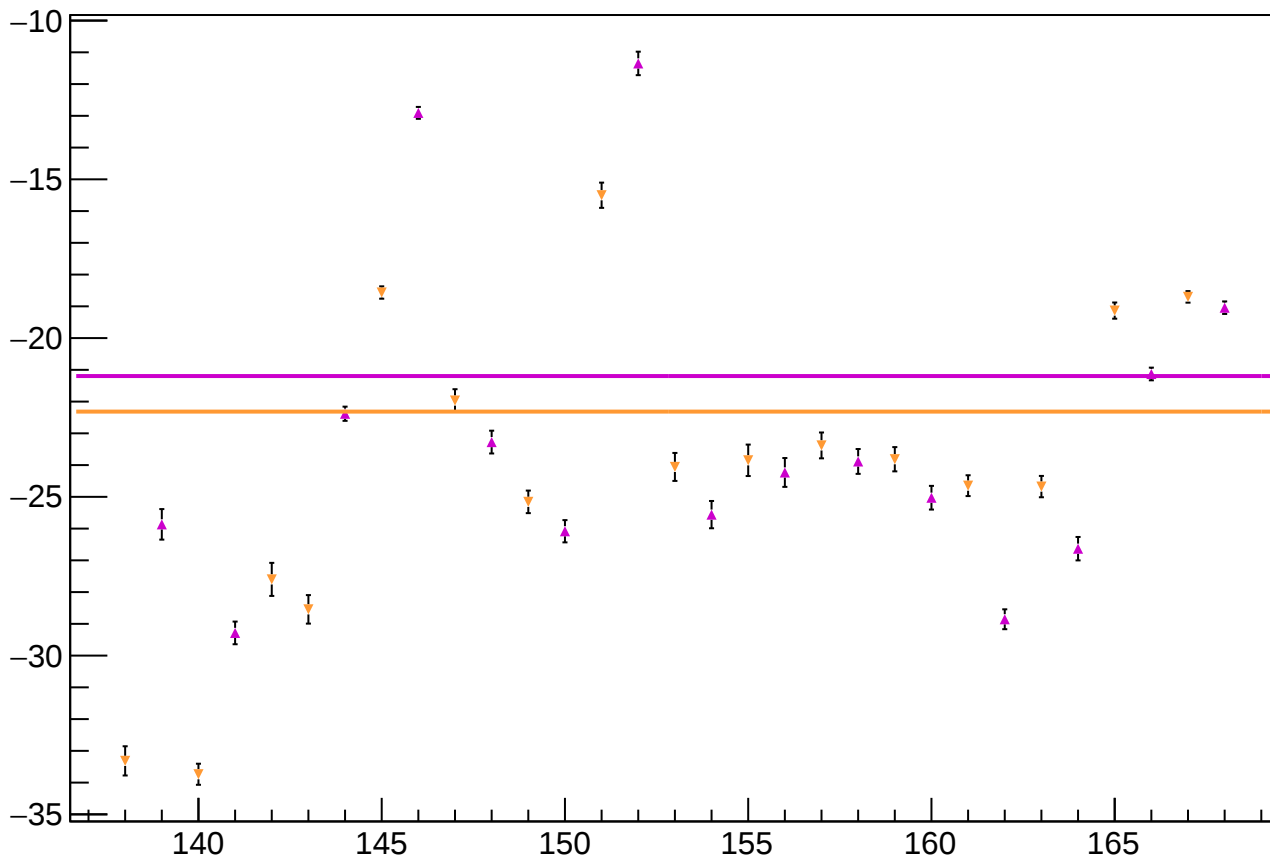
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.233 ± 0.006 χ^2/NDF : 1860.4/31

Out: 0.240 ± 0.006 χ^2/NDF : 2197.0/34

All: 0.236 ± 0.004 χ^2/NDF : 4058.0/66

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



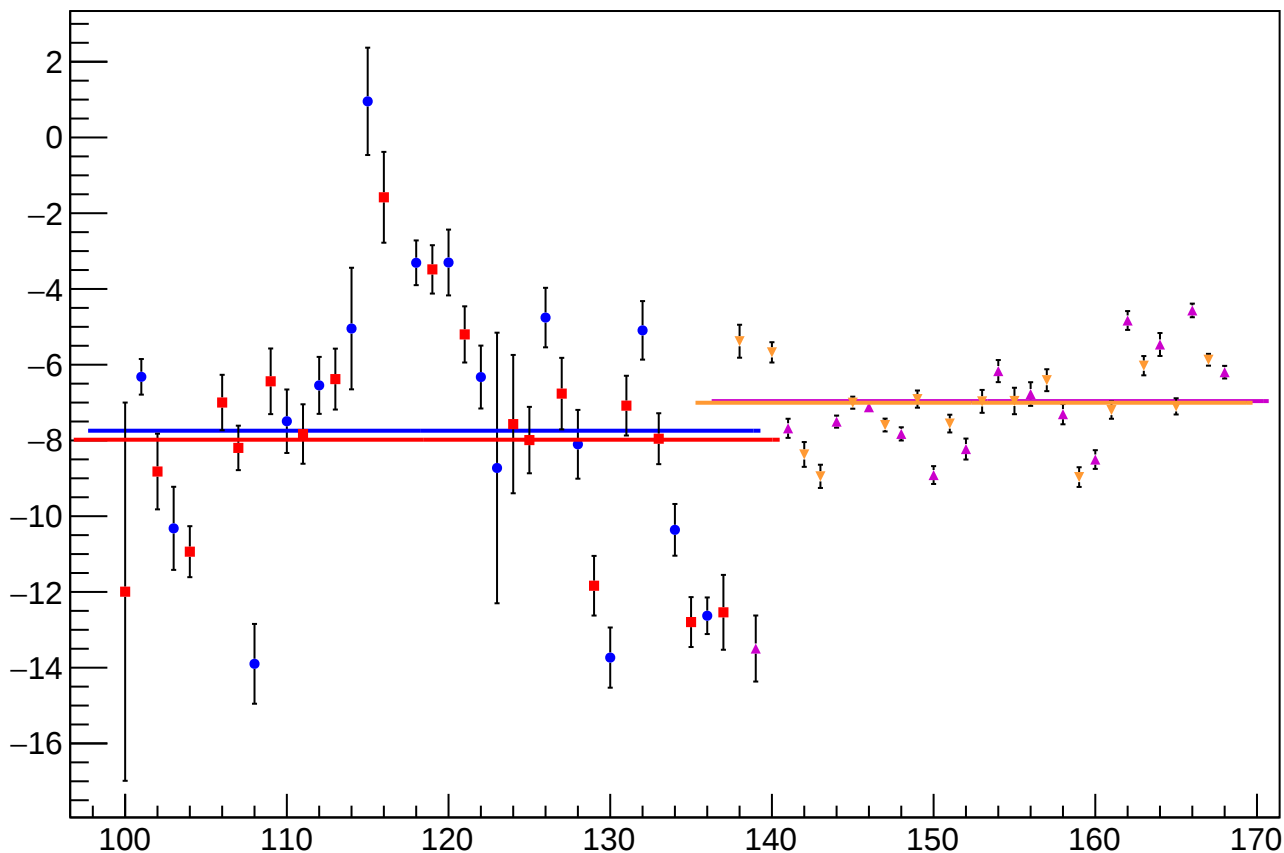
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -22.315+/-0.080 χ^2/NDF :3478.6/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -21.196+/-0.075 χ^2/NDF :4764.2/14

Left: -21.723+/-0.055 χ^2/NDF : 8346.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.196+/-0.075 χ^2/NDF :4764.2/14
 Out: -22.315+/-0.080 χ^2/NDF :3478.6/15

All: -21.723+/-0.055 χ^2/NDF : 8346.8/30

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.004 ± 0.058 χ^2/NDF : 243.8/15

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

Left In: -6.961 ± 0.054 χ^2/NDF : 535.8/14

Left: -6.981 ± 0.040 χ^2/NDF : 779.9/30

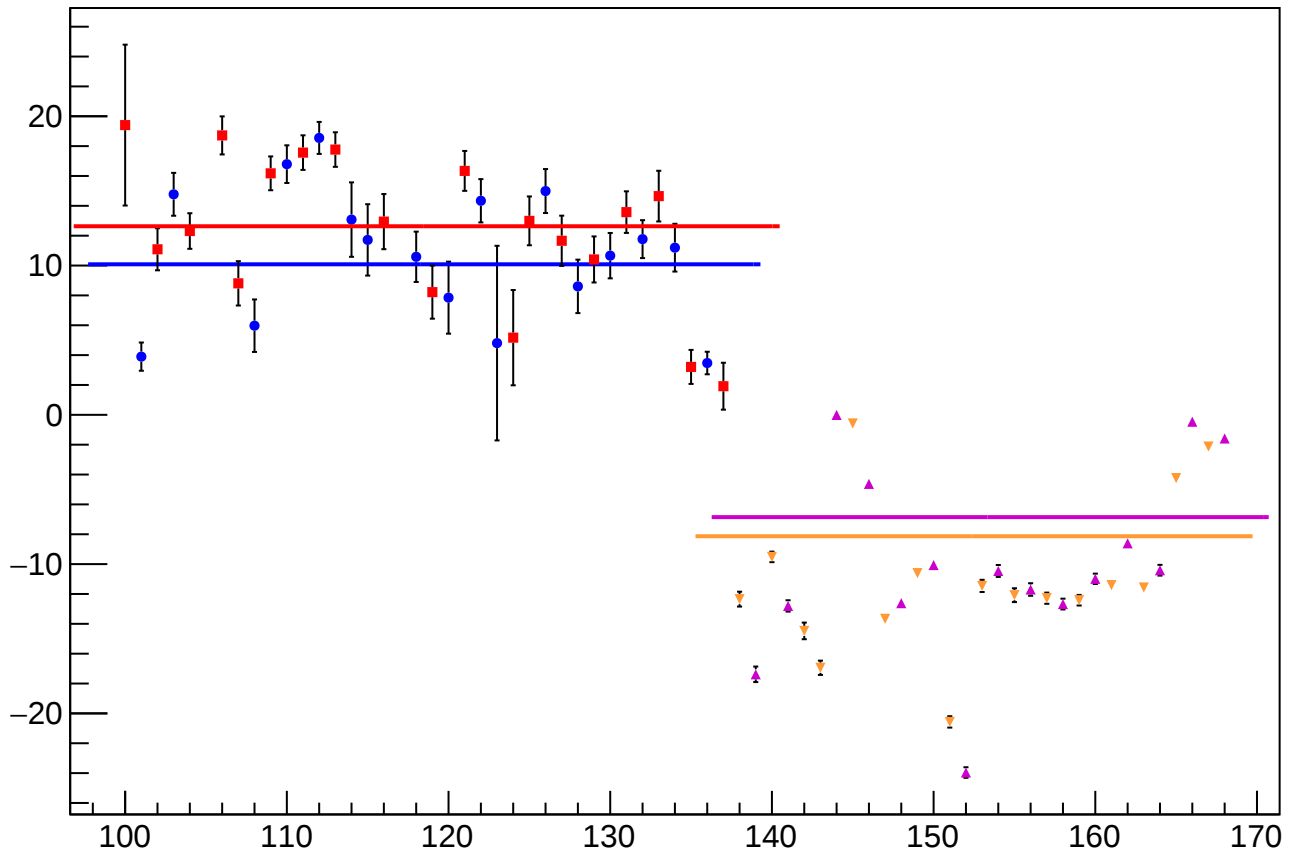
Right: -7.863 ± 0.132 χ^2/NDF : 601.9/35

In: -7.022 ± 0.052 χ^2/NDF : 929.4/31

Out: -7.092 ± 0.056 χ^2/NDF : 492.5/34

All: -7.054 ± 0.038 χ^2/NDF : 1422.8/66

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -8.135 ± 0.080 χ^2/NDF : 5206.2/15

Right Out: 12.632 ± 0.333 χ^2/NDF : 218.6/18

Left In: -6.853 ± 0.074 χ^2/NDF : 6776.5/14

Left: -7.451 ± 0.054 χ^2/NDF : 12121.3/30

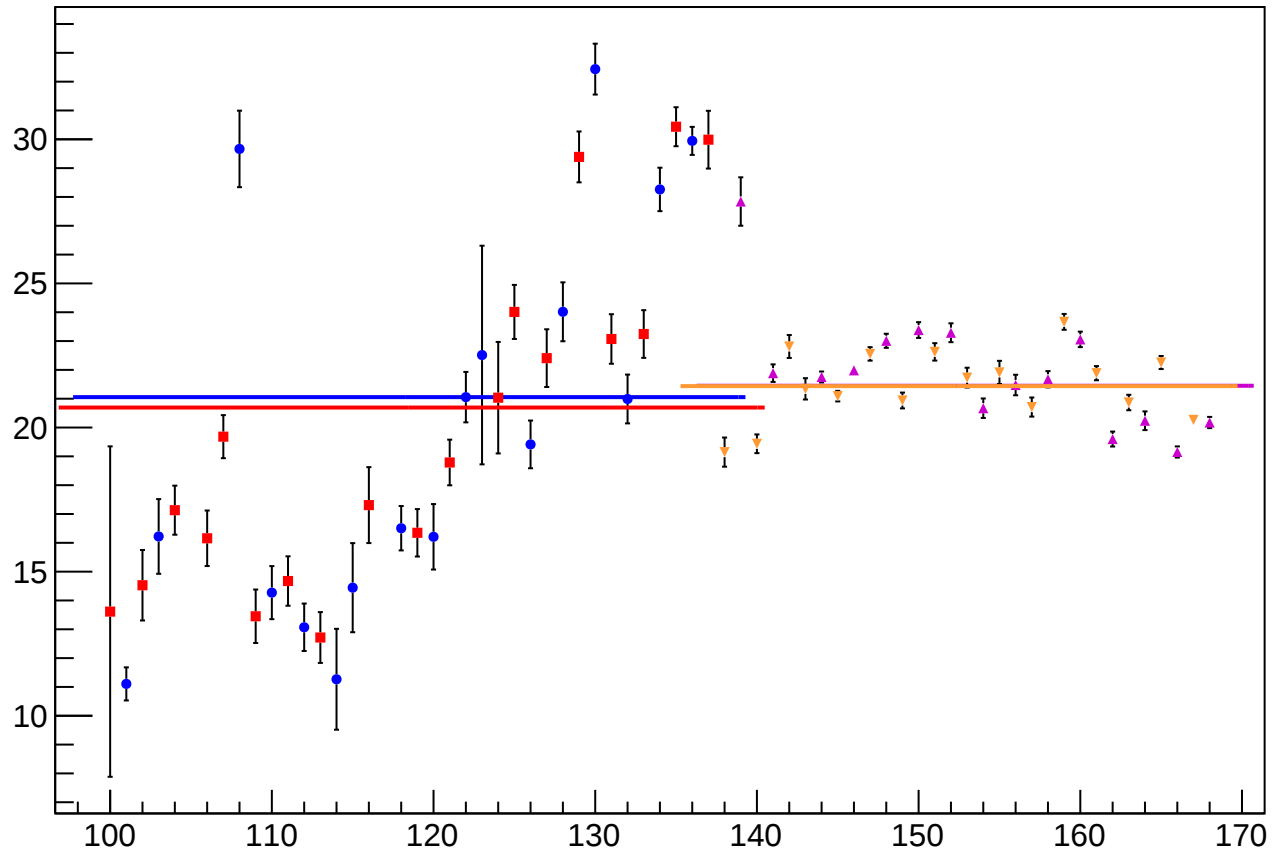
Right: 11.377 ± 0.237 χ^2/NDF : 500.1/35

In: -6.070 ± 0.073 χ^2/NDF : 9424.8/31

Out: -7.011 ± 0.077 χ^2/NDF : 9110.9/34

All: -6.511 ± 0.053 χ^2/NDF : 18614.4/66

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 ± 0.211 χ^2/NDF : 1211.8/16

Left Out: 21.437 ± 0.067 χ^2/NDF : 256.7/15

Right Out: 20.694 ± 0.213 χ^2/NDF : 724.1/18

Left In: 21.450 ± 0.064 χ^2/NDF : 489.7/14

Left: 21.444 ± 0.046 χ^2/NDF : 746.5/30

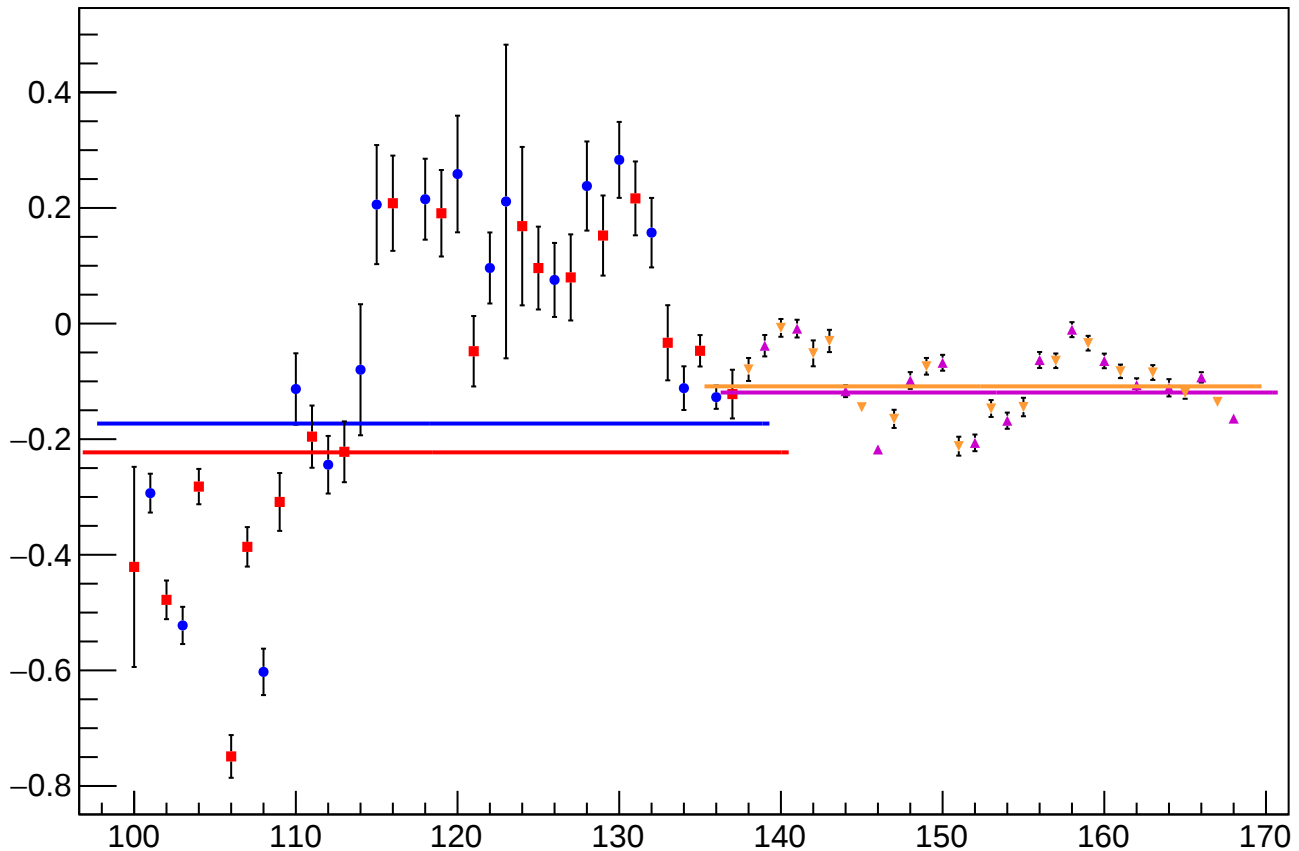
Right: 20.876 ± 0.150 χ^2/NDF : 1937.3/35

In: 21.417 ± 0.061 χ^2/NDF : 1704.7/31

Out: 21.370 ± 0.064 χ^2/NDF : 991.9/34

All: 21.394 ± 0.044 χ^2/NDF : 2696.9/66

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: -0.109 ± 0.003 χ^2/NDF : 227.9/15

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.119 ± 0.003 χ^2/NDF : 422.8/14

Left: -0.114 ± 0.002 χ^2/NDF : 656.7/30

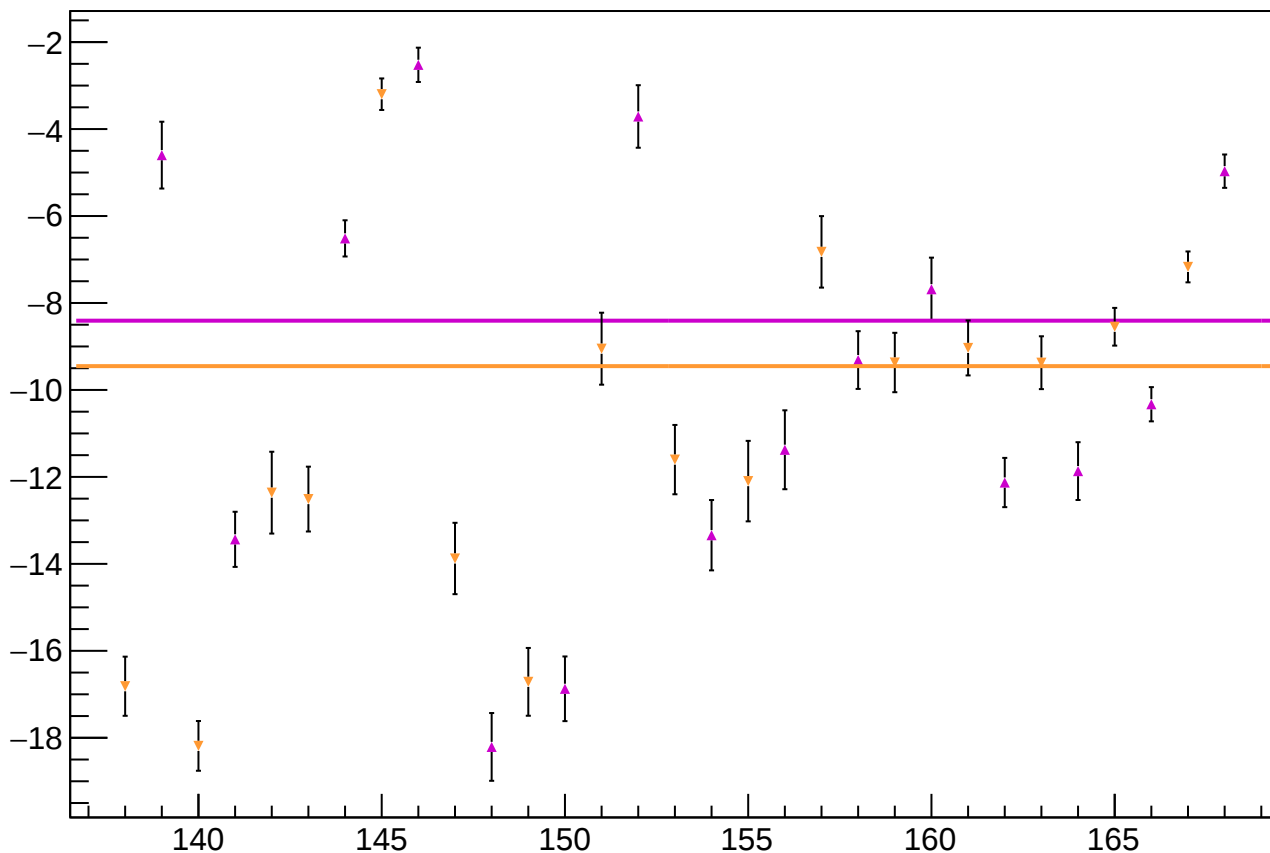
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.123 ± 0.003 χ^2/NDF : 906.1/31

Out: -0.117 ± 0.003 χ^2/NDF : 863.3/34

All: -0.120 ± 0.002 χ^2/NDF : 1771.2/66

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



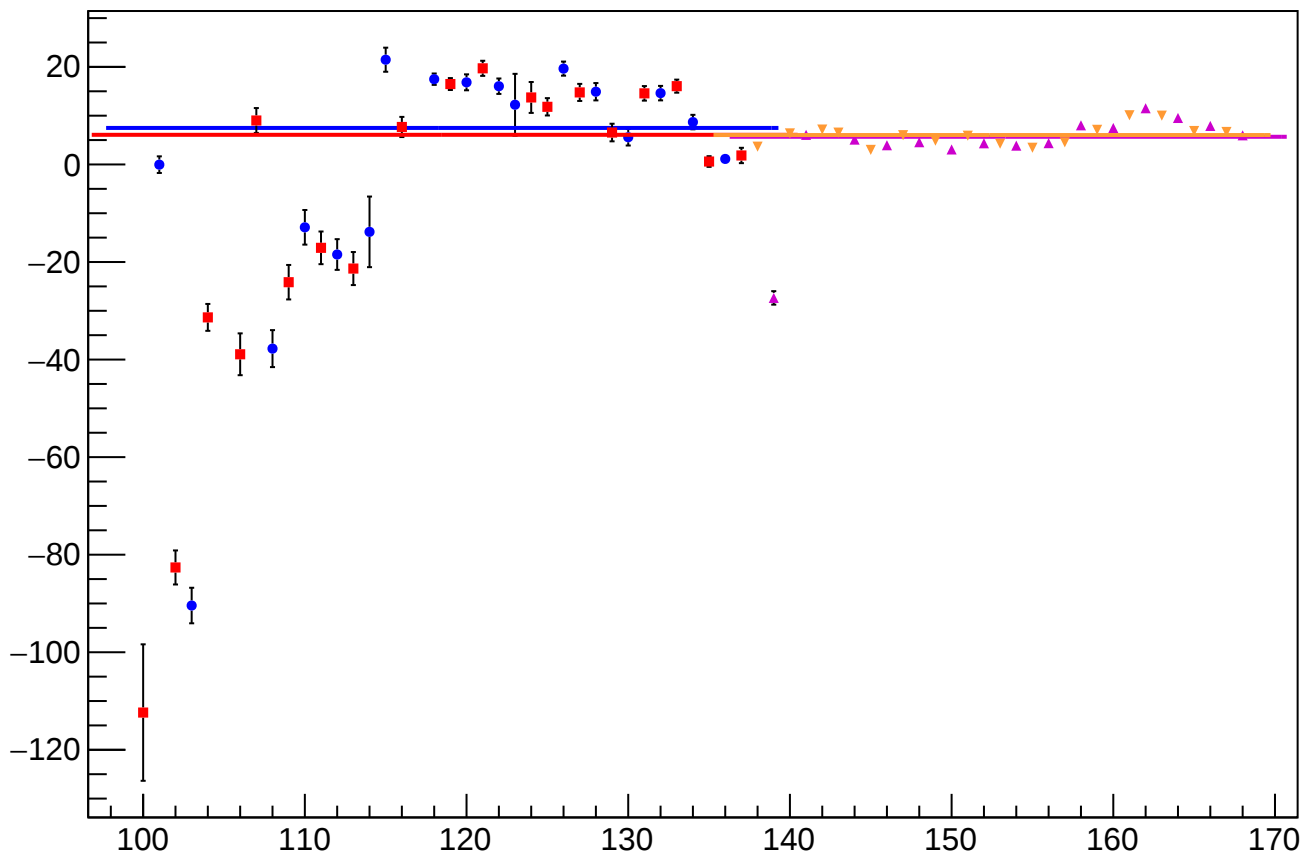
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.452 $\pm$ 0.149 χ^2 /NDF:861.8/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.407 $\pm$ 0.145 χ^2 /NDF:886.4/14

Left: -8.918 $\pm$ 0.104 χ^2 /NDF: 1773.4/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -8.407 $\pm$ 0.145 χ^2 /NDF:886.4/14
 Out: -9.452 $\pm$ 0.149 χ^2 /NDF:861.8/15

All: -8.918 $\pm$ 0.104 χ^2 /NDF: 1773.4/30

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: 6.032 ± 0.110 $\chi^2/\text{NDF}: 342.1/15$

Right Out: 6.078 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 5.675 ± 0.107 $\chi^2/\text{NDF}: 979.8/14$

Left: 5.847 ± 0.077 $\chi^2/\text{NDF}: 1327.3/30$

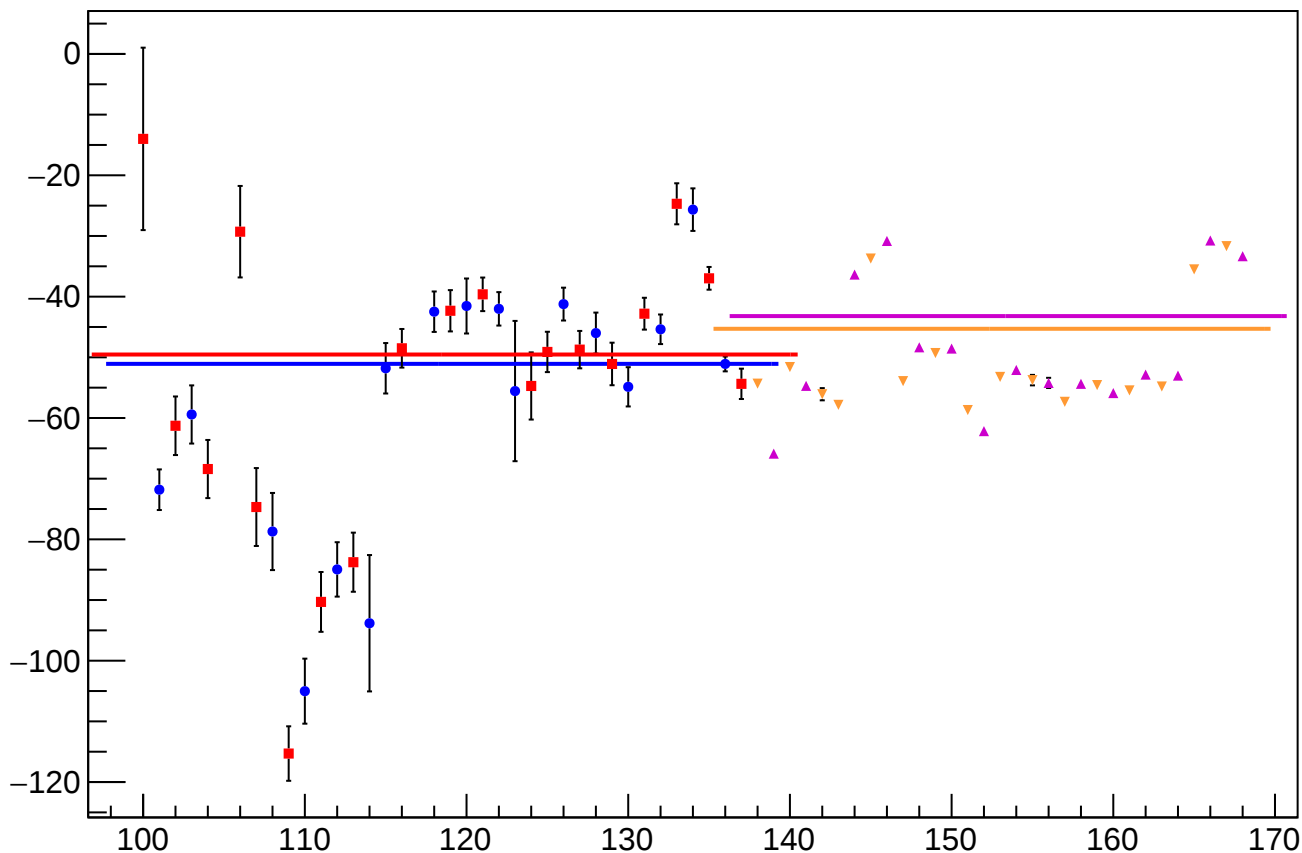
Right: 6.829 ± 0.297 $\chi^2/\text{NDF}: 2858.2/35$

In: 5.792 ± 0.103 $\chi^2/\text{NDF}: 2338.9/31$

Out: 6.035 ± 0.107 $\chi^2/\text{NDF}: 1854.2/34$

All: 5.909 ± 0.074 $\chi^2/\text{NDF}: 4195.8/66$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



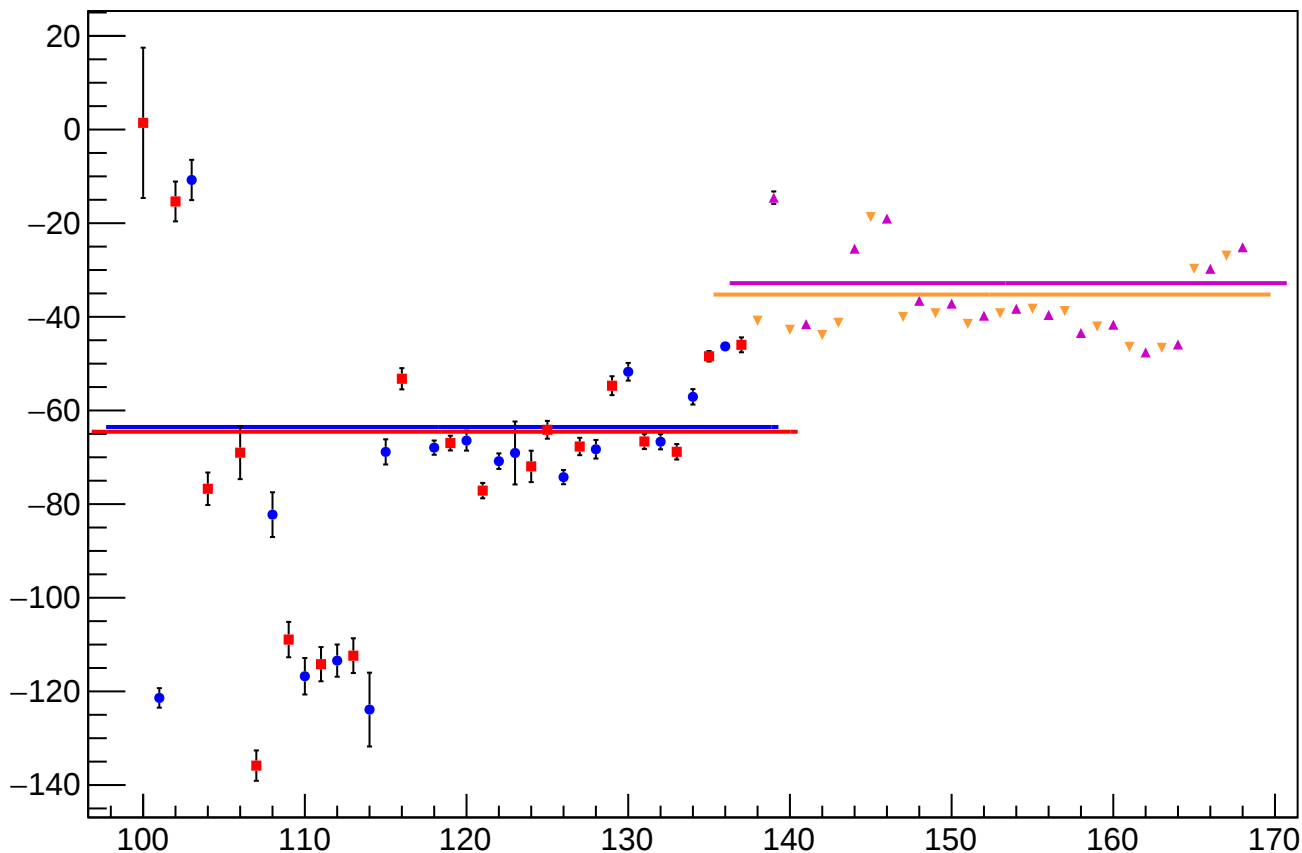
Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16
 Left Out: -45.297 ± 0.149 χ^2/NDF : 5101.3/15
 Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18
 Left In: -43.204 ± 0.144 χ^2/NDF : 6352.9/14

Left: -44.213 ± 0.104 χ^2/NDF : 11556.2/30
 Right: -50.365 ± 0.543 χ^2/NDF : 841.8/35

In: -43.490 ± 0.141 χ^2/NDF : 6791.9/31
 Out: -45.440 ± 0.147 χ^2/NDF : 5638.1/34

All: -44.429 ± 0.102 χ^2/NDF : 12521.7/66

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -35.246 ± 0.127 χ^2/NDF : 5364.2/15

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

Left In: -32.806 ± 0.124 χ^2/NDF : 5949.1/14

Left: -34.001 ± 0.089 χ^2/NDF : 11502.9/30

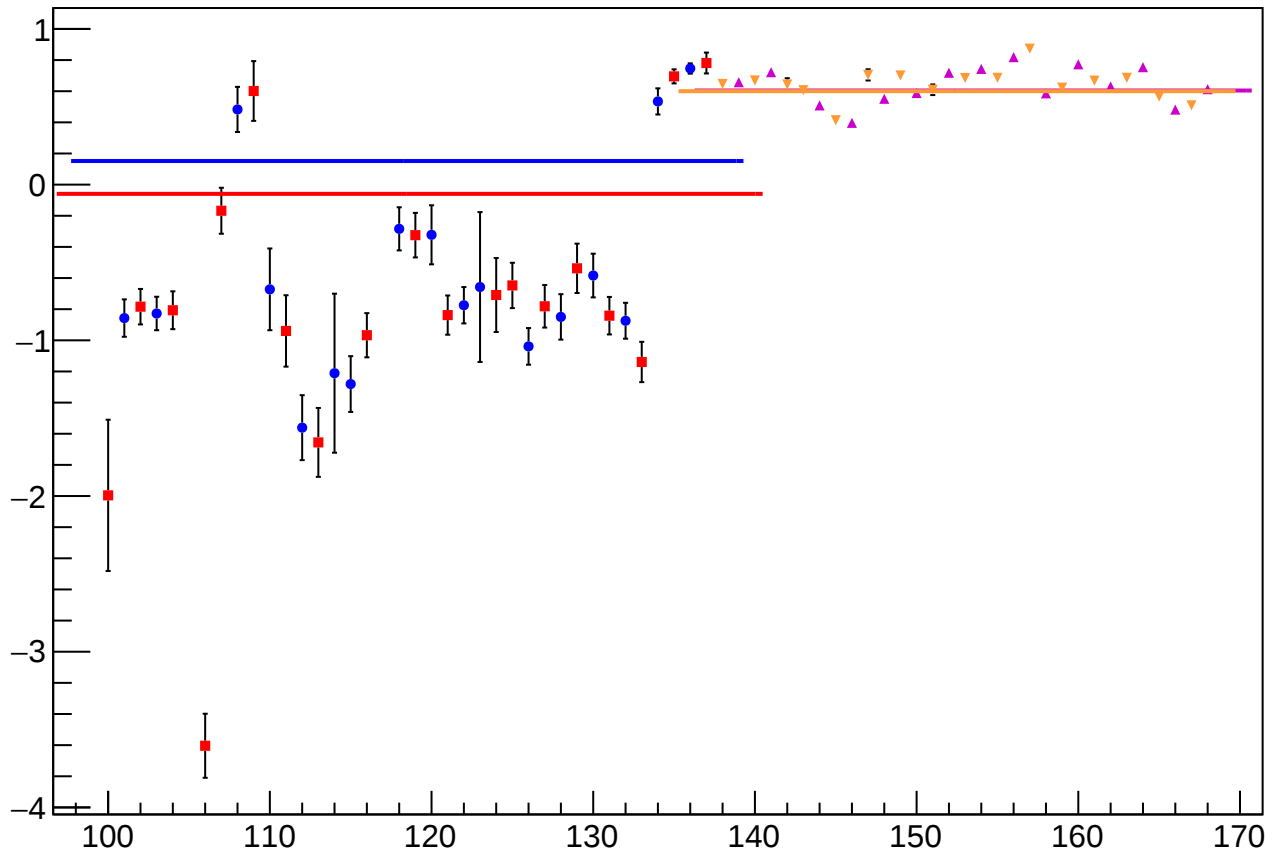
Right: -63.995 ± 0.329 χ^2/NDF : 3616.4/35

In: -34.987 ± 0.120 χ^2/NDF : 12315.1/31

Out: -37.128 ± 0.122 χ^2/NDF : 10410.0/34

All: -36.032 ± 0.086 χ^2/NDF : 22881.6/66

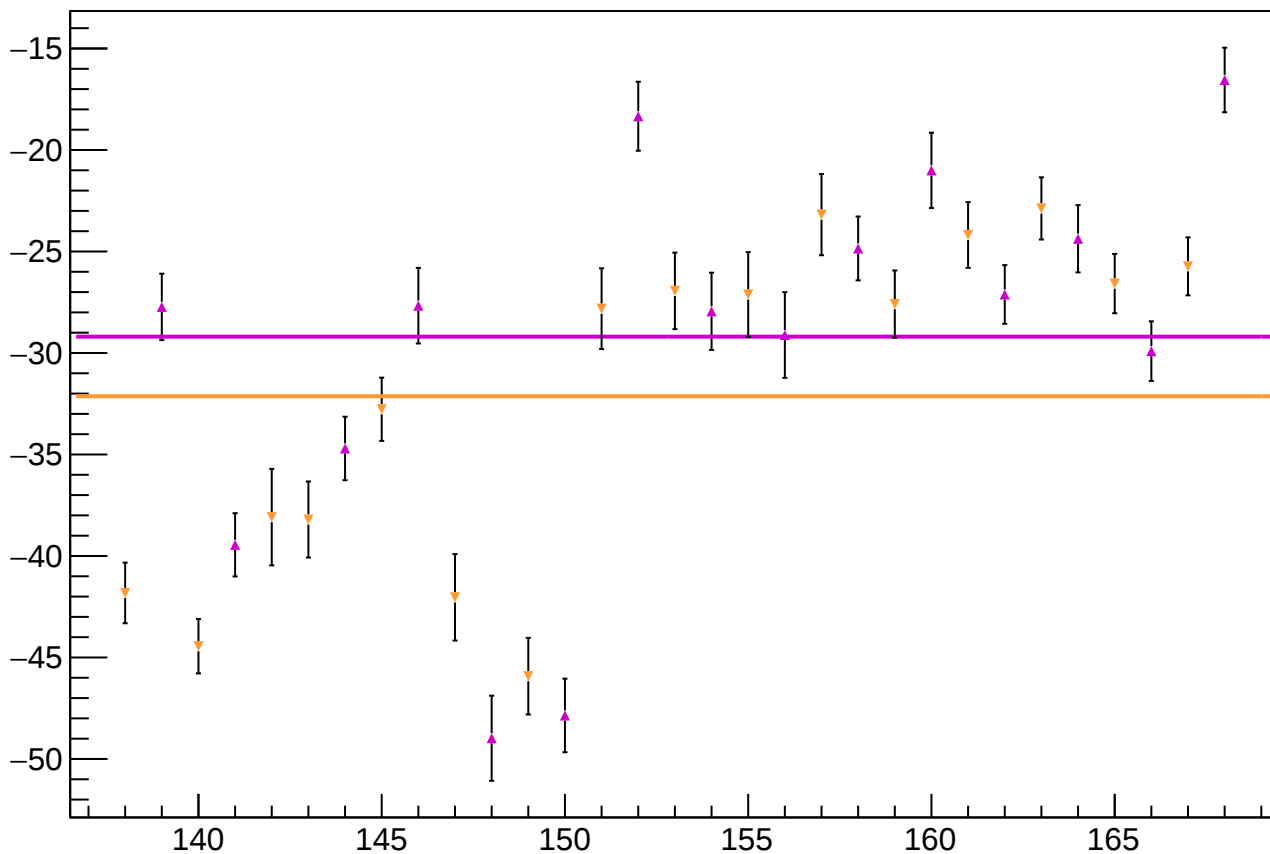
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16
 Left Out: 0.600 ± 0.006 χ^2/NDF : 379.3/15
 Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18
 Left In: 0.604 ± 0.006 χ^2/NDF : 417.8/14

Left: 0.602 ± 0.004 χ^2/NDF : 797.3/30
 Right: 0.056 ± 0.018 χ^2/NDF : 2184.3/35
 In: 0.579 ± 0.006 χ^2/NDF : 1740.4/31
 Out: 0.569 ± 0.006 χ^2/NDF : 2140.1/34
 All: 0.574 ± 0.004 χ^2/NDF : 3882.3/66

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: -32.131 $\pm$ 0.425 χ^2 /NDF:359.0/15

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

Left In: -29.195 $\pm$ 0.436 χ^2 /NDF:394.5/14

Left: -30.699 $\pm$ 0.305 χ^2 /NDF: 776.7/30

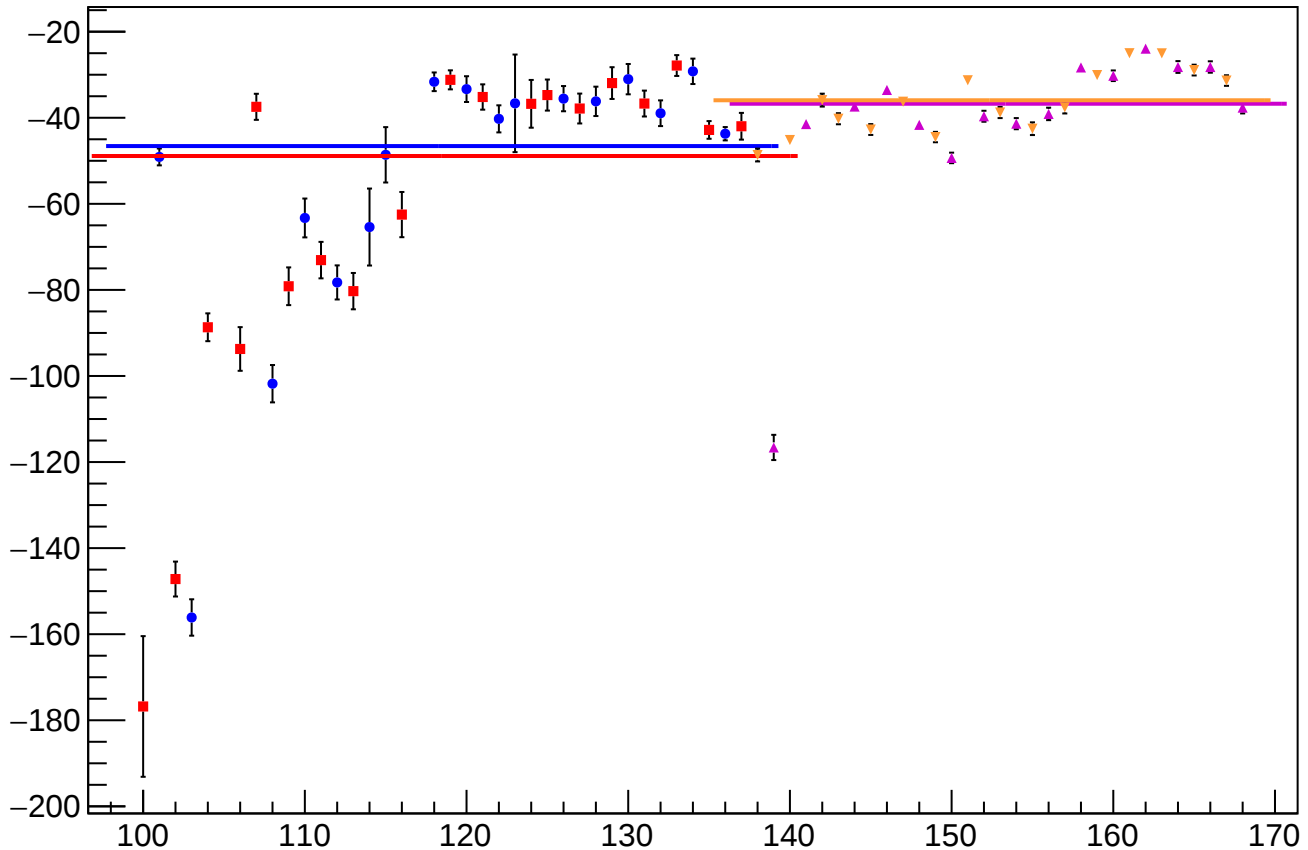
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -29.195 $\pm$ 0.436 χ^2 /NDF:394.5/14

Out: -32.131 $\pm$ 0.425 χ^2 /NDF:359.0/15

All: -30.699 $\pm$ 0.305 χ^2 /NDF: 776.7/30

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -35.937 ± 0.309 $\chi^2/\text{NDF}: 528.3/15$

Right Out: -48.888 ± 0.763 $\chi^2/\text{NDF}: 1277.5/18$

Left In: -36.742 ± 0.321 $\chi^2/\text{NDF}: 1210.0/14$

Left: -36.324 ± 0.223 $\chi^2/\text{NDF}: 1741.6/30$

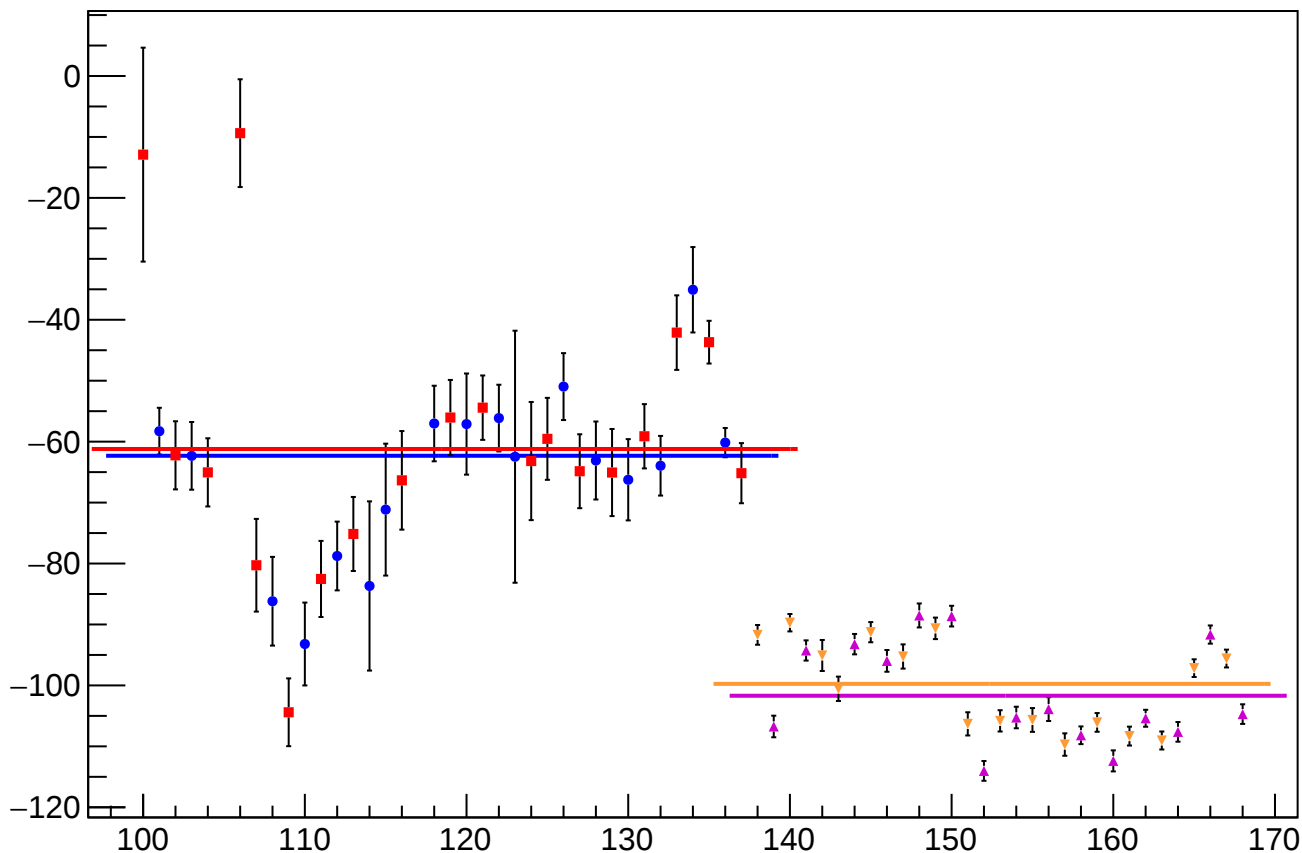
Right: -47.681 ± 0.527 $\chi^2/\text{NDF}: 2358.7/35$

In: -38.336 ± 0.294 $\chi^2/\text{NDF}: 2438.7/31$

Out: -37.760 ± 0.286 $\chi^2/\text{NDF}: 2053.1/34$

All: -38.040 ± 0.205 $\chi^2/\text{NDF}: 4493.8/66$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$
 Left Out: -99.742 ± 0.422 $\chi^2/\text{NDF}: 296.4/15$
 Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$
 Left In: -101.694 ± 0.428 $\chi^2/\text{NDF}: 358.9/14$

Left: -100.705 ± 0.300 $\chi^2/\text{NDF}: 665.8/30$

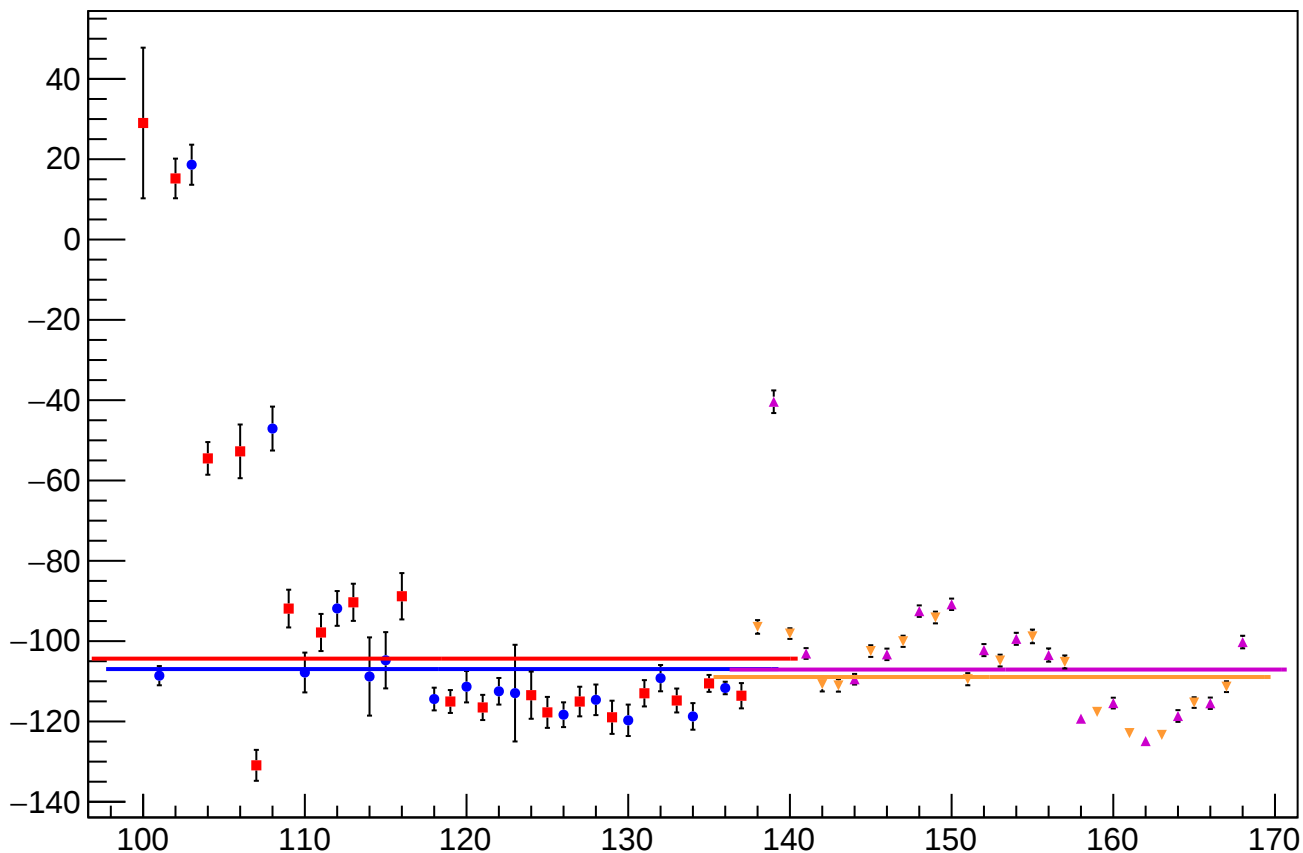
Right: -61.786 ± 0.953 $\chi^2/\text{NDF}: 232.5/35$

In: -97.929 ± 0.407 $\chi^2/\text{NDF}: 1236.3/31$

Out: -96.453 ± 0.403 $\chi^2/\text{NDF}: 1173.8/34$

All: -97.185 ± 0.286 $\chi^2/\text{NDF}: 2416.7/66$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -108.934 ± 0.356 $\chi^2/\text{NDF}: 684.8/15$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -107.073 ± 0.368 $\chi^2/\text{NDF}: 1343.6/14$

Left: -108.035 ± 0.256 $\chi^2/\text{NDF}: 2041.5/30$

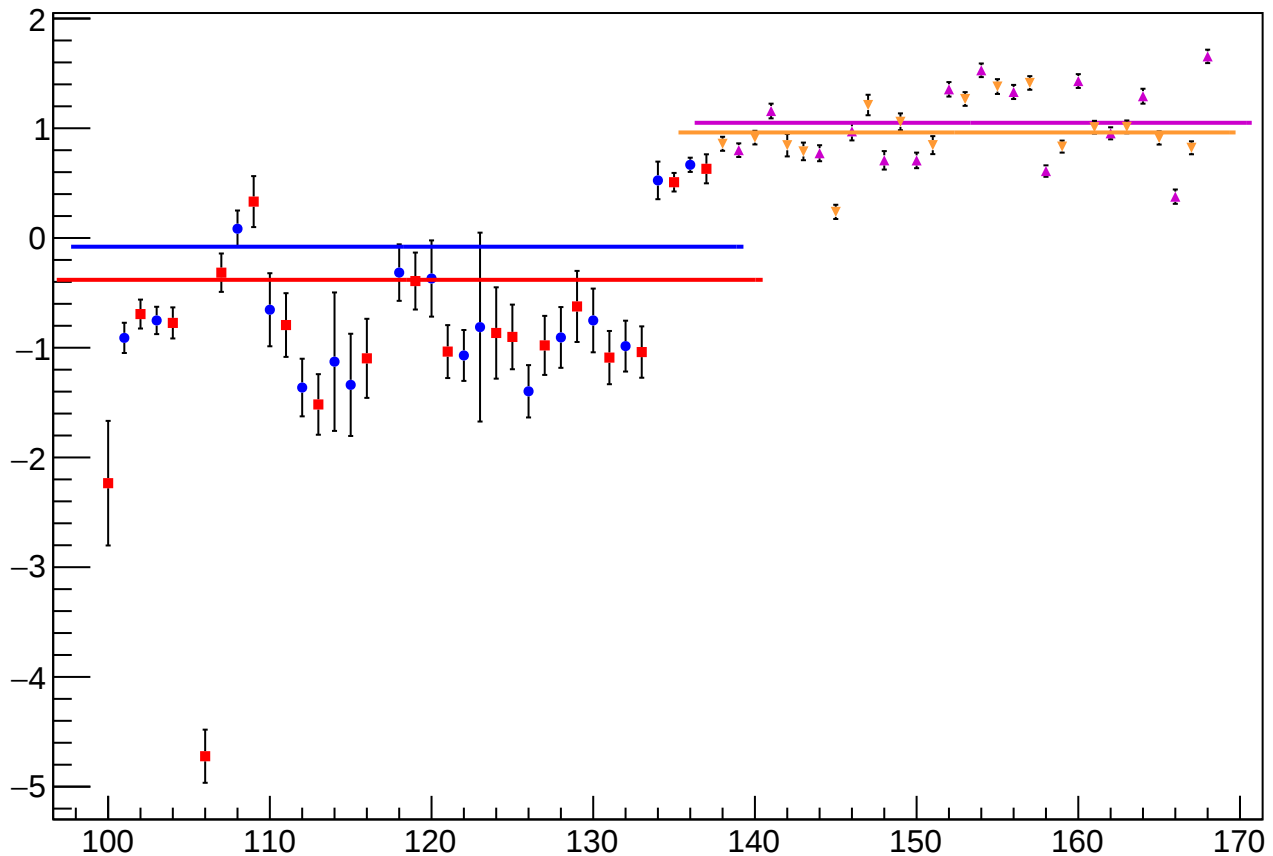
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -107.053 ± 0.336 $\chi^2/\text{NDF}: 2170.8/31$

Out: -108.266 ± 0.329 $\chi^2/\text{NDF}: 1729.9/34$

All: -107.671 ± 0.235 $\chi^2/\text{NDF}: 3907.4/66$

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: 0.962 ± 0.017 χ^2/NDF : 272.6/15

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 1.050 ± 0.017 χ^2/NDF : 501.0/14

Left: 1.005 ± 0.012 χ^2/NDF : 787.6/30

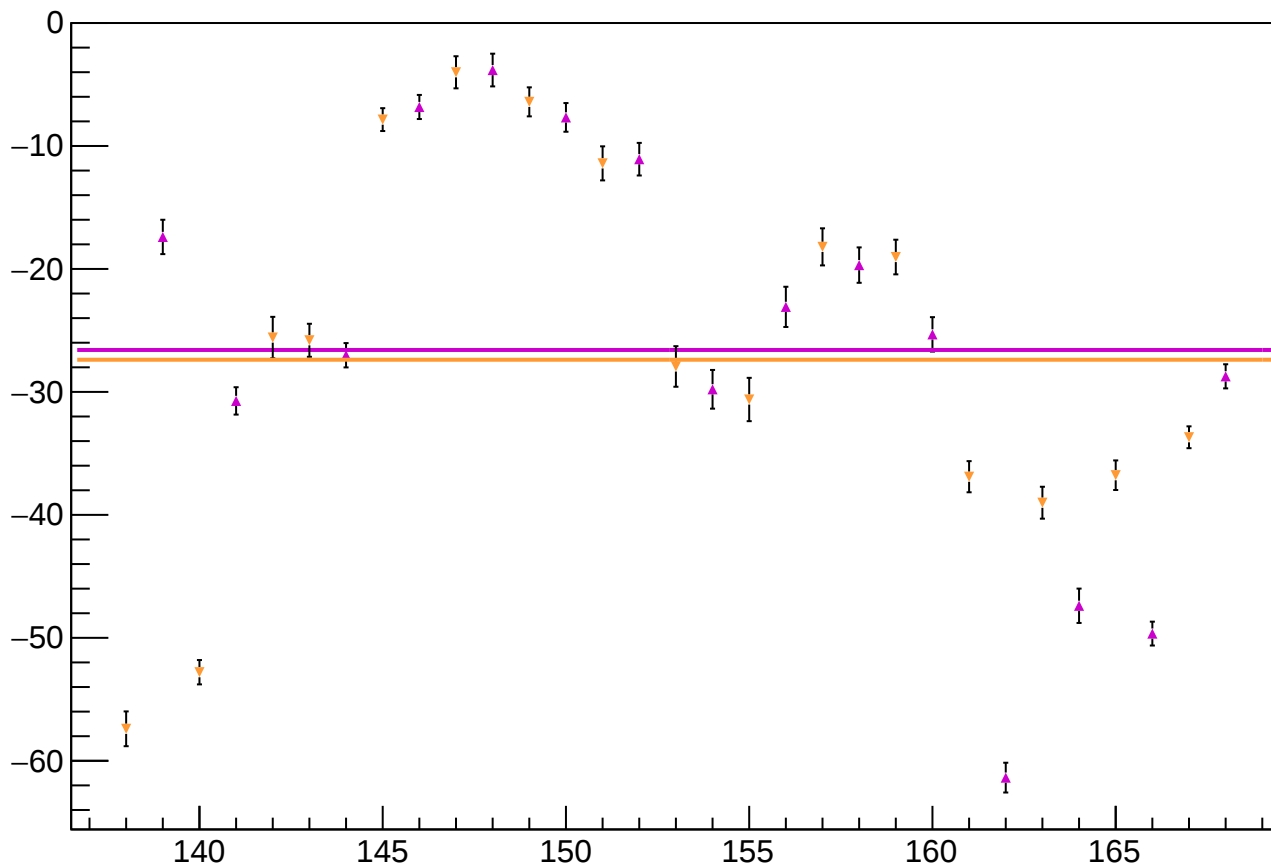
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.896 ± 0.016 χ^2/NDF : 1446.2/31

Out: 0.795 ± 0.016 χ^2/NDF : 1668.8/34

All: 0.845 ± 0.011 χ^2/NDF : 3136.1/66

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: -27.383+/-0.313 χ^2/NDF :2646.1/15

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

Left In: -26.590+/-0.311 χ^2/NDF :2805.9/14

Left: -26.985+/-0.221 χ^2/NDF : 5455.2/30

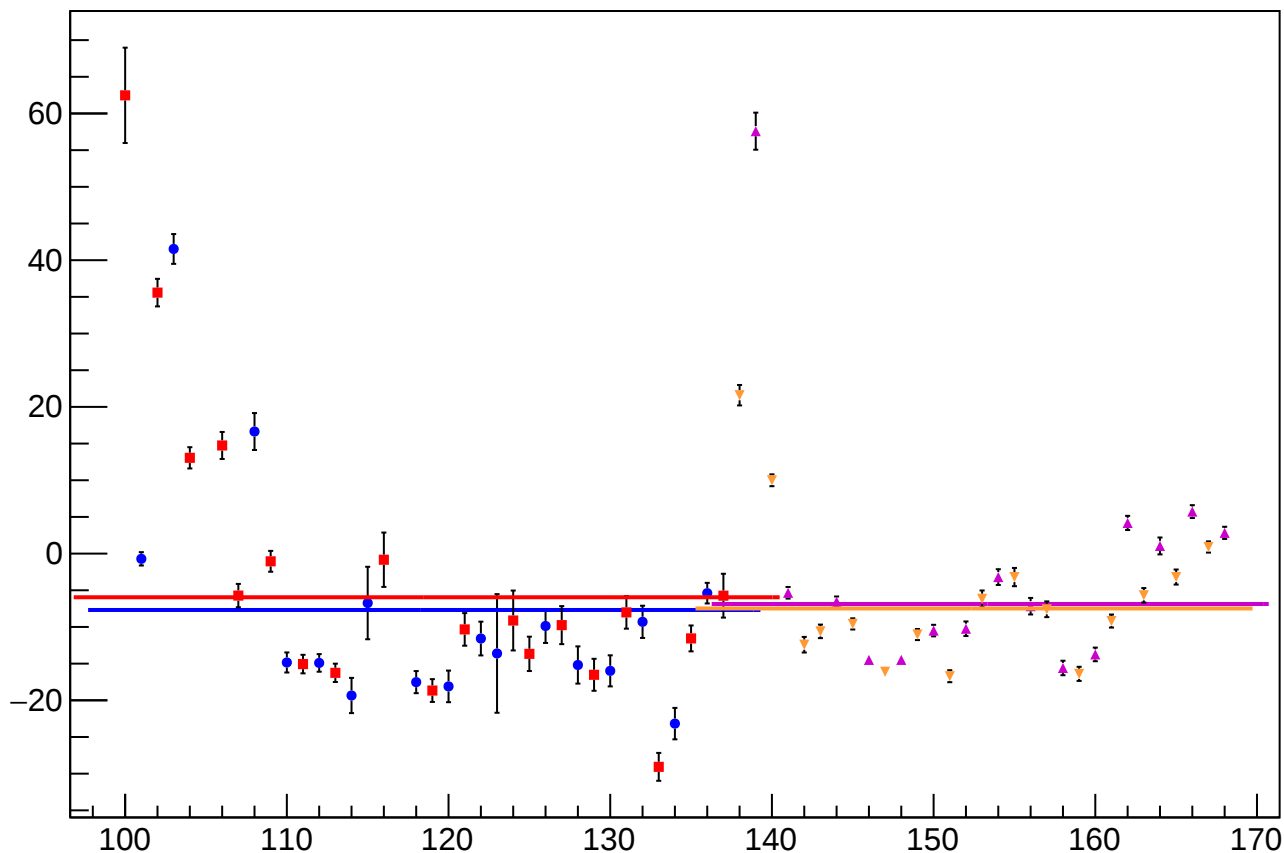
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.590+/-0.311 χ^2/NDF :2805.9/14

Out: -27.383+/-0.313 χ^2/NDF :2646.1/15

All: -26.985+/-0.221 χ^2/NDF : 5455.2/30

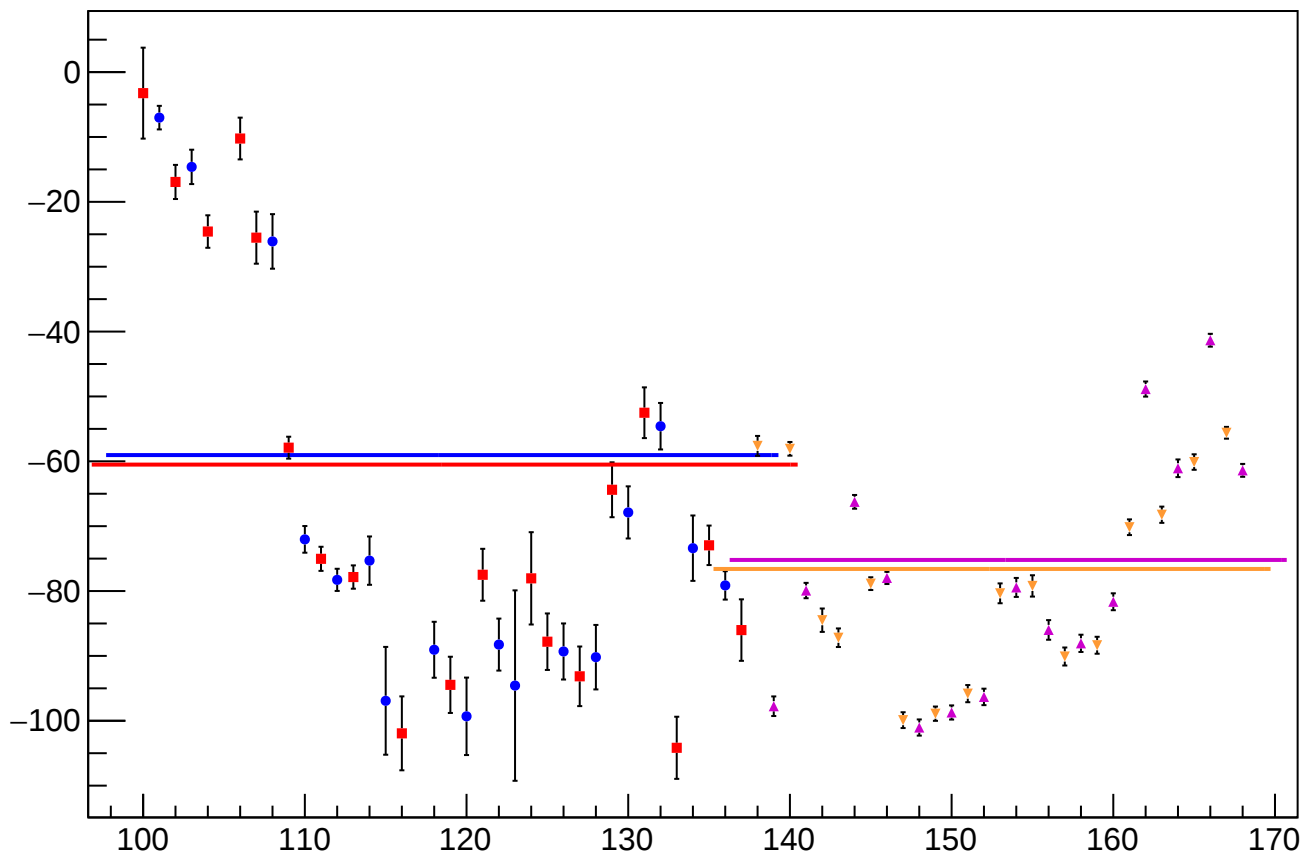
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16
 Left Out: -7.480 ± 0.224 χ^2/NDF : 1528.0/15
 Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18
 Left In: -6.869 ± 0.225 χ^2/NDF : 1643.0/14

Left: -7.175 ± 0.159 χ^2/NDF : 3174.7/30
 Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35
 In: -7.044 ± 0.199 χ^2/NDF : 2621.8/31
 Out: -7.153 ± 0.198 χ^2/NDF : 2836.0/34
 All: -7.099 ± 0.141 χ^2/NDF : 5458.0/66

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -76.595 ± 0.311 χ^2/NDF : 2506.7/15

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

Left In: -75.205 ± 0.306 χ^2/NDF : 3652.2/14

Left: -75.890 ± 0.218 χ^2/NDF : 6169.1/30

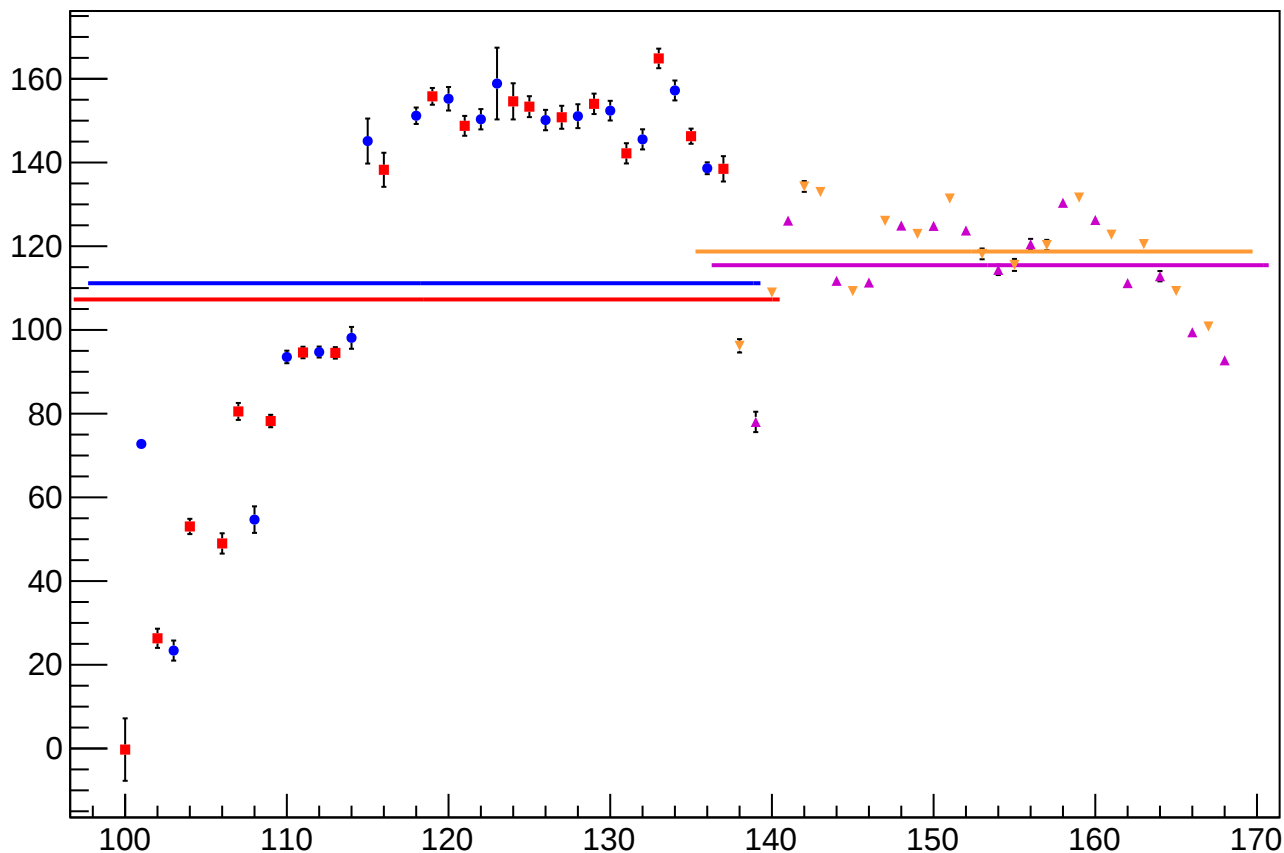
Right: -59.815 ± 0.512 χ^2/NDF : 3096.4/35

In: -72.869 ± 0.283 χ^2/NDF : 5763.9/31

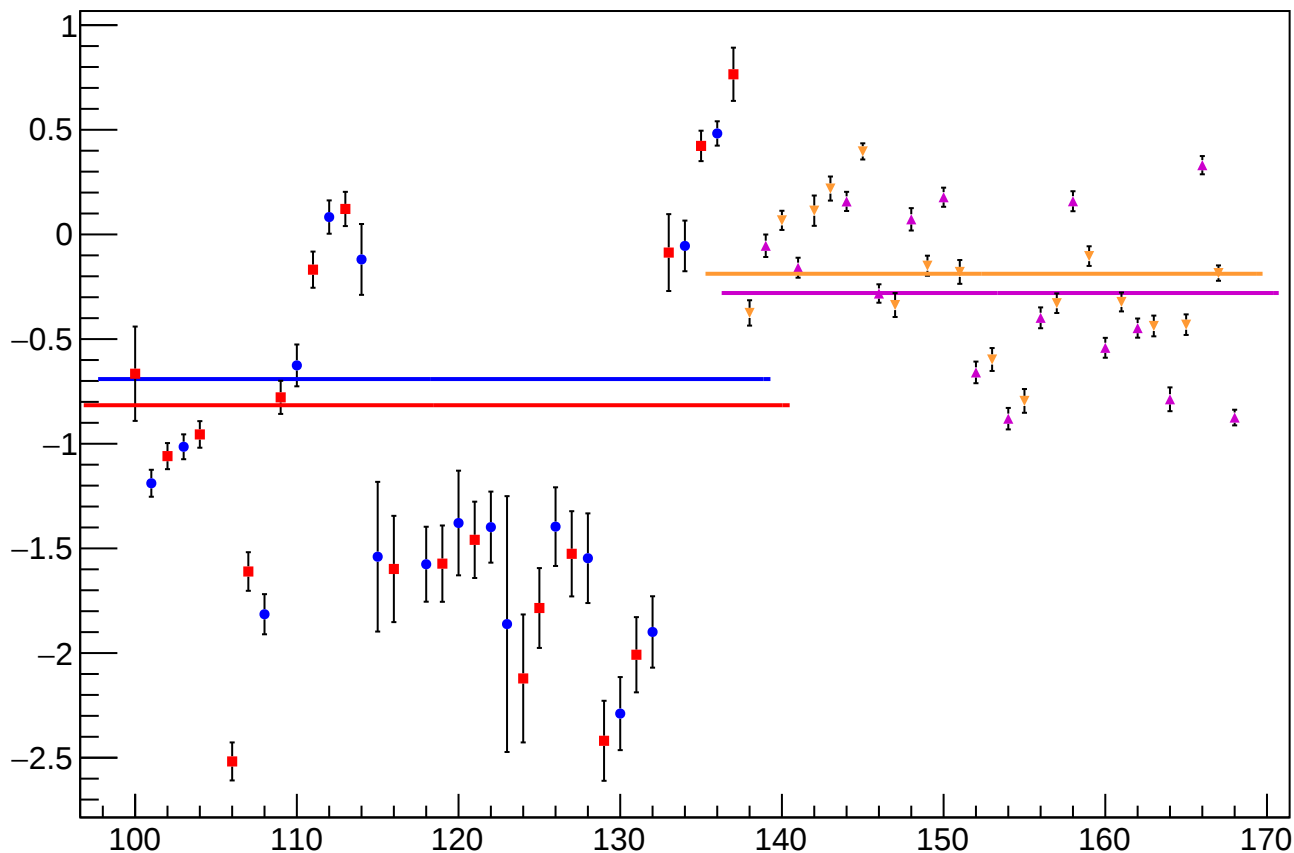
Out: -73.973 ± 0.284 χ^2/NDF : 4328.1/34

All: -73.419 ± 0.201 χ^2/NDF : 10099.5/66

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -0.188 ± 0.012 χ^2/NDF : 586.1/15

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

Left In: -0.280 ± 0.012 χ^2/NDF : 1113.1/14

Left: -0.234 ± 0.009 χ^2/NDF : 1727.3/30

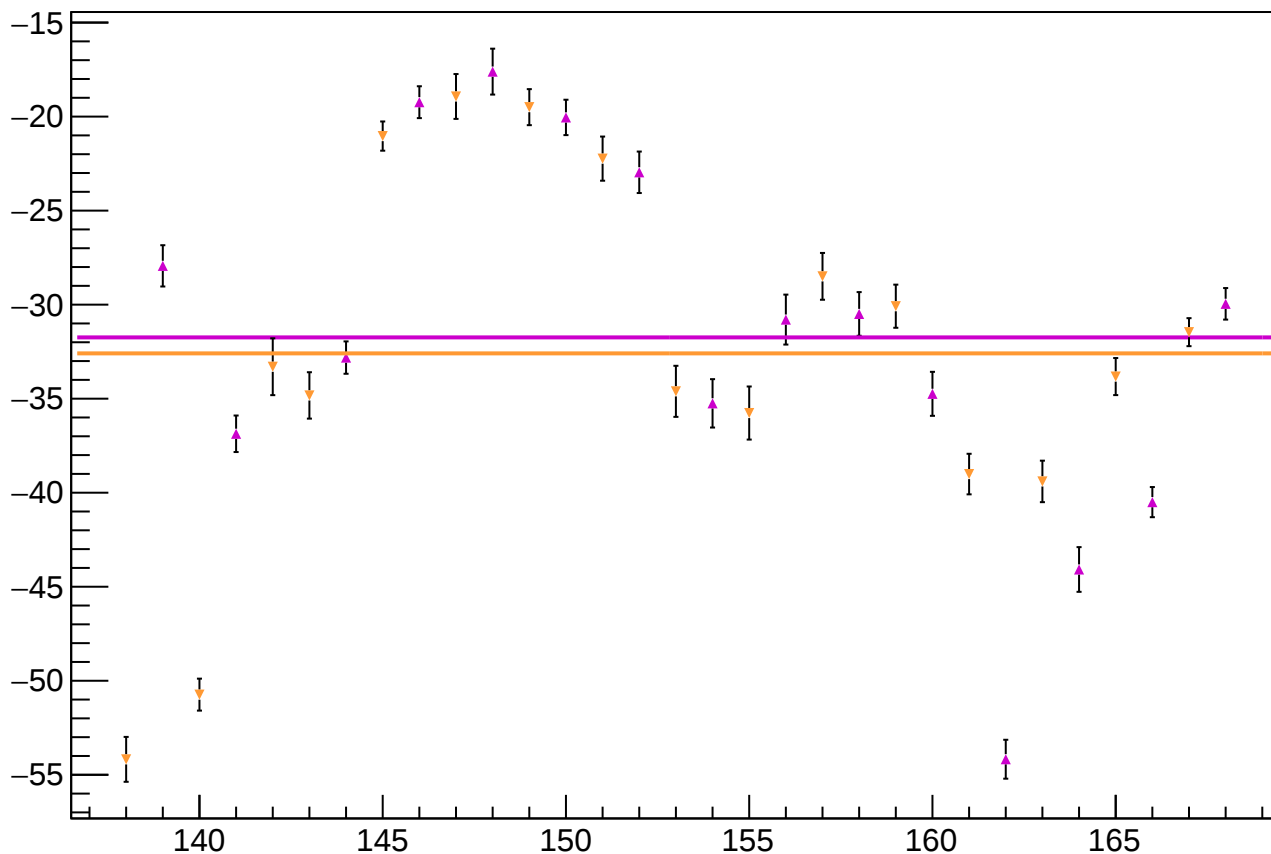
Right: -0.757 ± 0.018 χ^2/NDF : 2307.7/35

In: -0.355 ± 0.011 χ^2/NDF : 2311.0/31

Out: -0.316 ± 0.011 χ^2/NDF : 2419.5/34

All: -0.336 ± 0.008 χ^2/NDF : 4736.8/66

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



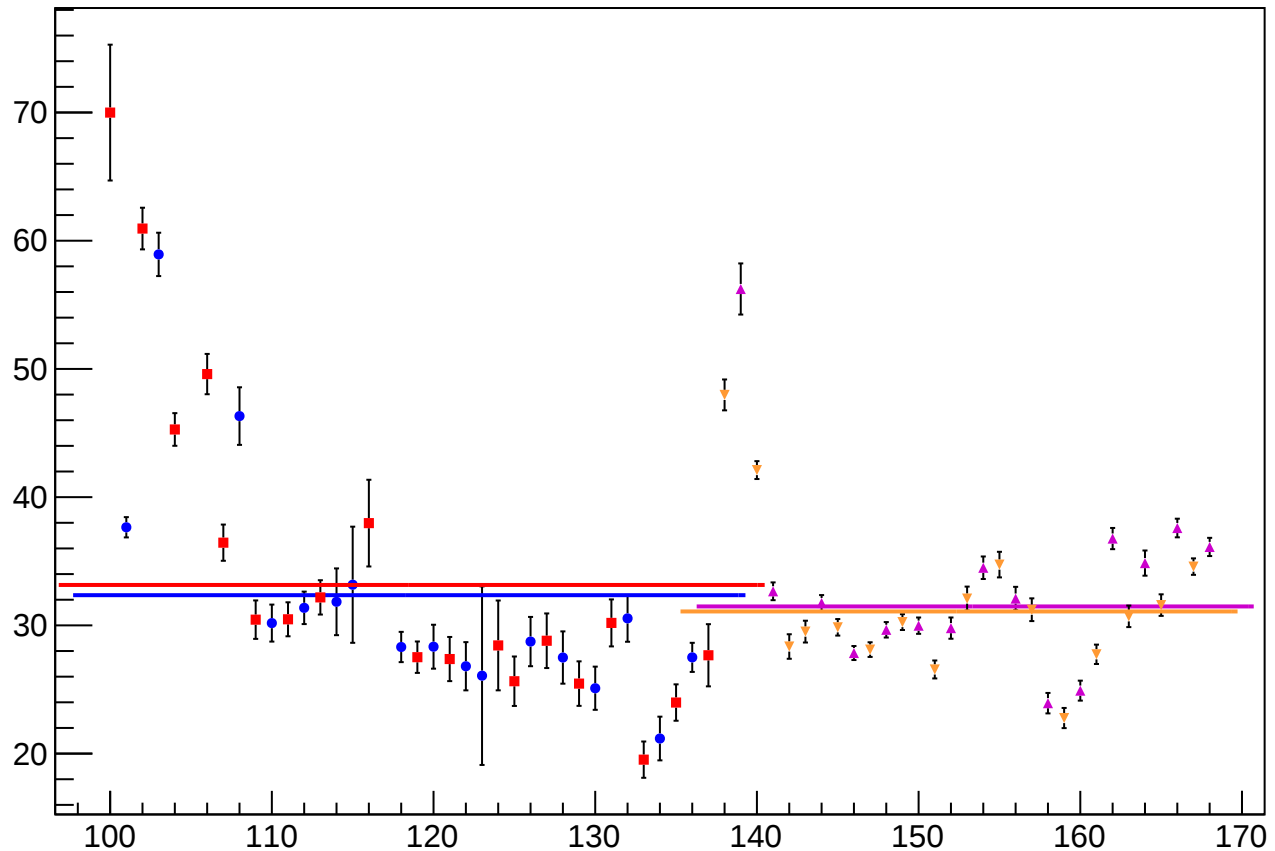
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -32.591 $\pm$ 0.264 χ^2/NDF :1503.9/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -31.741 $\pm$ 0.262 χ^2/NDF :1328.8/14

Left: -32.163 $\pm$ 0.186 χ^2/NDF : 2837.9/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -31.741 $\pm$ 0.262 χ^2/NDF :1328.8/14
 Out: -32.591 $\pm$ 0.264 χ^2/NDF :1503.9/15

All: -32.163 $\pm$ 0.186 χ^2/NDF : 2837.9/30

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 31.086 ± 0.191 $\chi^2/\text{NDF}: 708.5/15$

Right Out: 33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

Left In: 31.477 ± 0.192 $\chi^2/\text{NDF}: 559.6/14$

Left: 31.280 ± 0.136 $\chi^2/\text{NDF}: 1270.2/30$

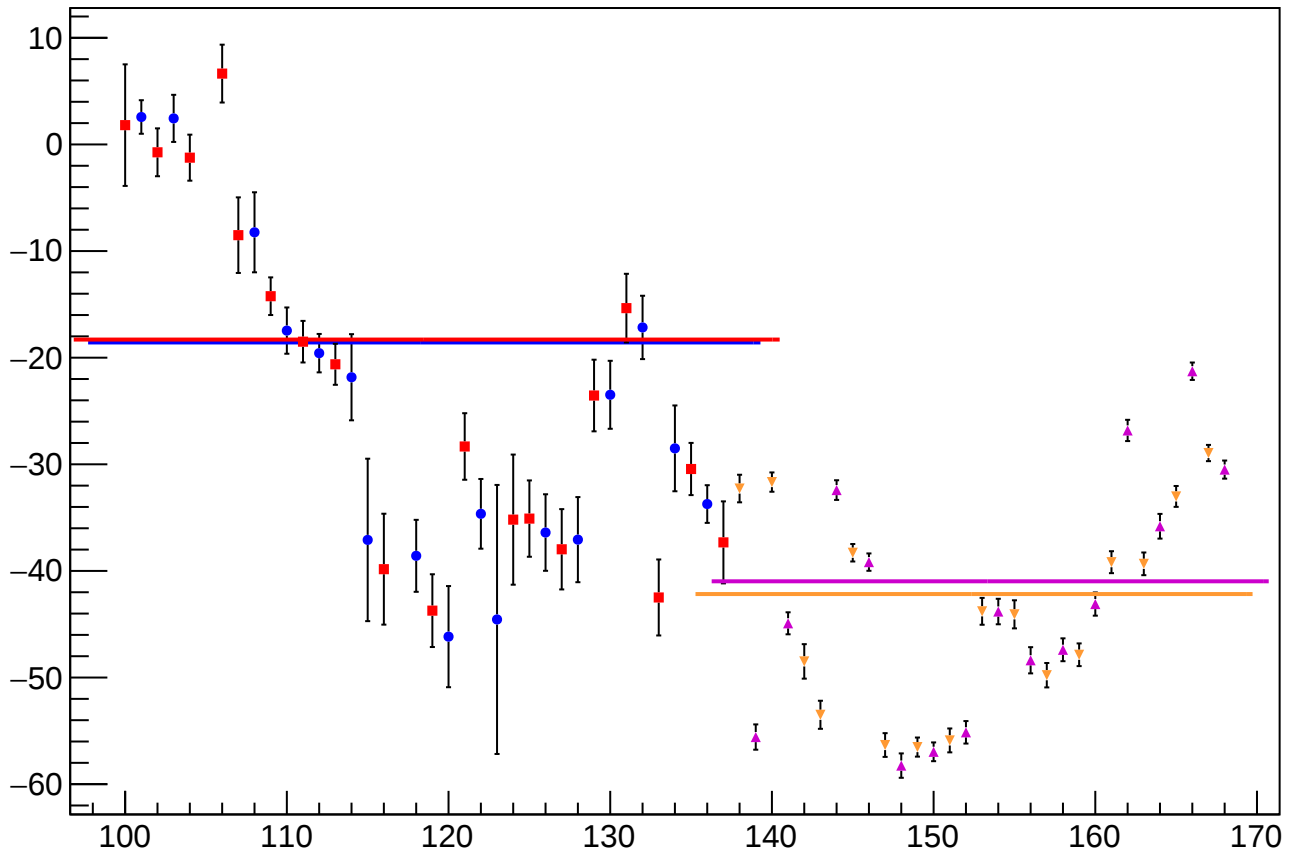
Right: 32.750 ± 0.267 $\chi^2/\text{NDF}: 1224.7/35$

In: 31.659 ± 0.171 $\chi^2/\text{NDF}: 1014.5/31$

Out: 31.505 ± 0.171 $\chi^2/\text{NDF}: 1504.2/34$

All: 31.582 ± 0.121 $\chi^2/\text{NDF}: 2519.1/66$

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: -42.169 ± 0.262 χ^2/NDF : 1353.5/15

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

Left In: -40.974 ± 0.258 χ^2/NDF : 2033.2/14

Left: -41.563 ± 0.184 χ^2/NDF : 3397.3/30

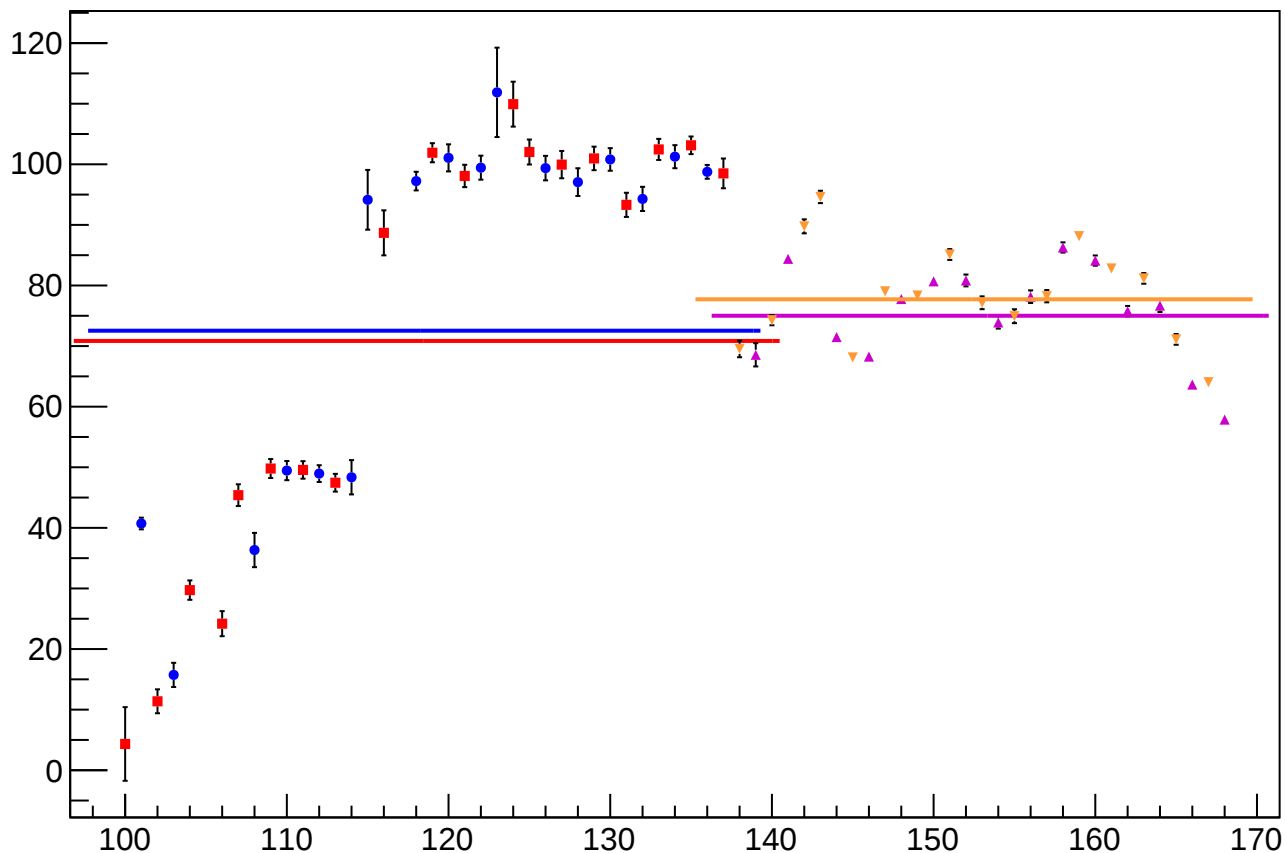
Right: -18.431 ± 0.463 χ^2/NDF : 984.9/35

In: -38.058 ± 0.241 χ^2/NDF : 3524.5/31

Out: -38.775 ± 0.243 χ^2/NDF : 3005.9/34

All: -38.414 ± 0.171 χ^2/NDF : 6534.8/66

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: 77.723 $\pm$ 0.222 χ^2 /NDF:1331.8/15

Right Out: 70.849 $\pm$ 0.433 χ^2 /NDF: 5500.2/18

Left In: 75.006 $\pm$ 0.223 χ^2 /NDF:1320.8/14

Left: 76.371 $\pm$ 0.157 χ^2 /NDF: 2727.5/30

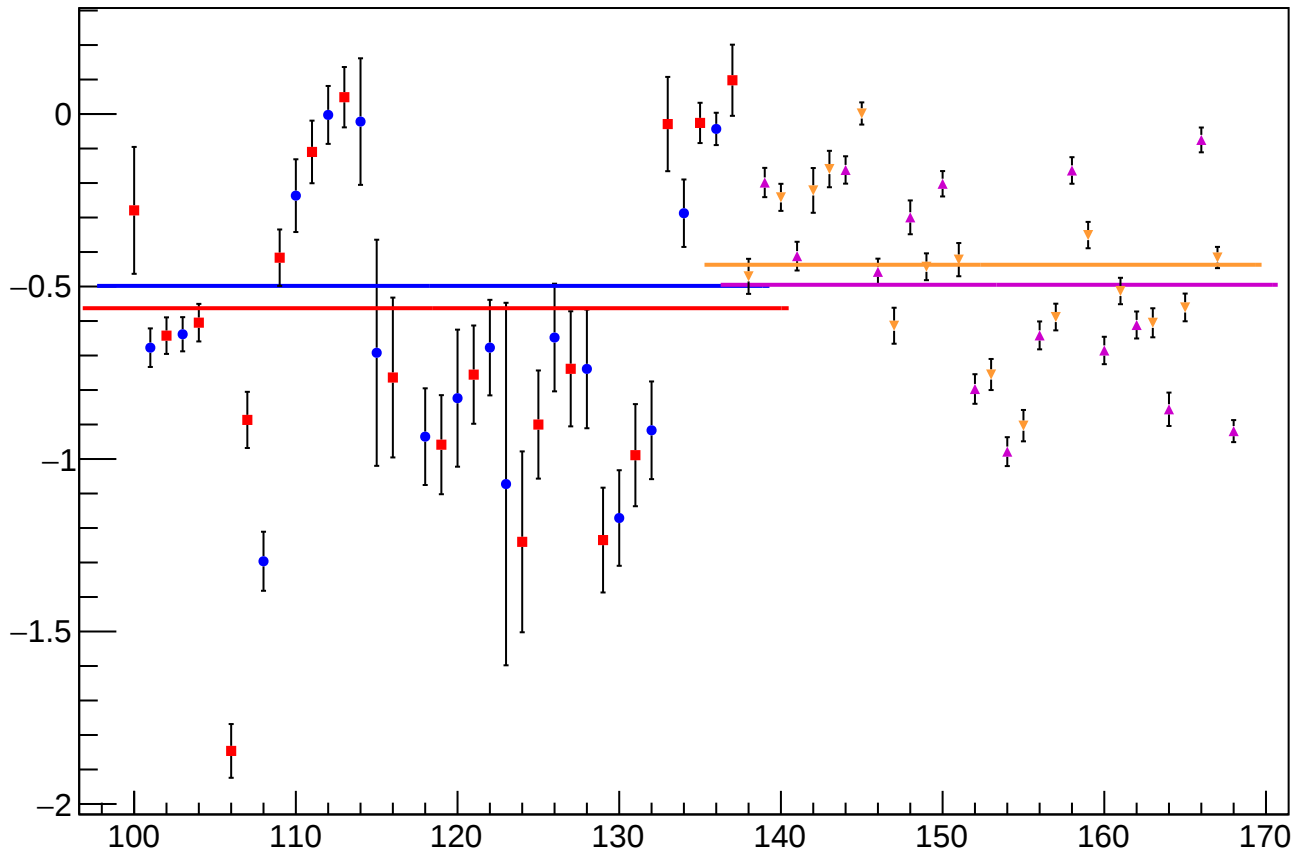
Right: 71.702 $\pm$ 0.305 χ^2 /NDF: 10192.0/35

In: 74.481 $\pm$ 0.198 χ^2 /NDF:6031.1/31

Out: 76.298 $\pm$ 0.197 χ^2 /NDF:7031.6/34

All: 75.391 $\pm$ 0.140 χ^2 /NDF: 13105.1/66

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: -0.437 ± 0.010 χ^2/NDF : 466.7/15

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.495 ± 0.010 χ^2/NDF : 873.5/14

Left: -0.466 ± 0.007 χ^2/NDF : 1356.0/30

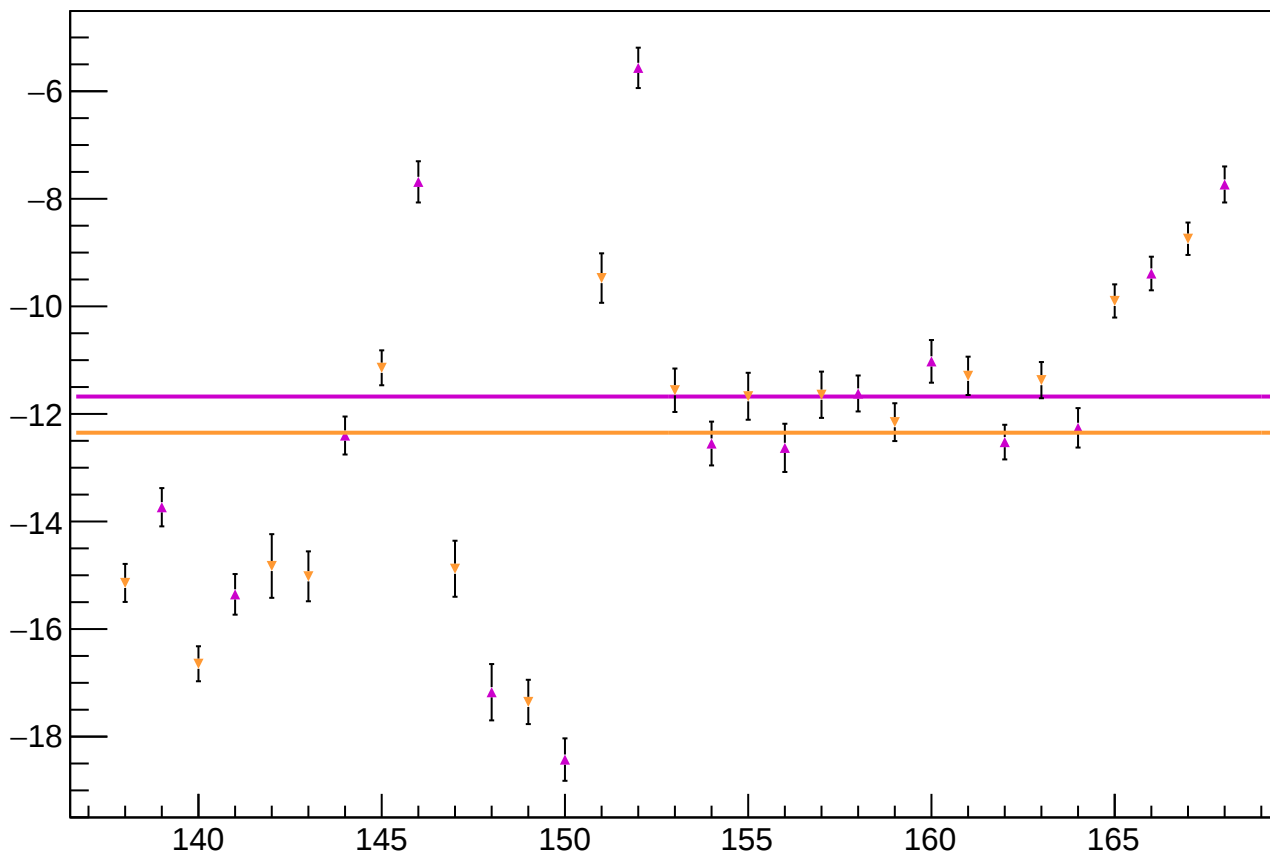
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.496 ± 0.009 χ^2/NDF : 1176.3/31

Out: -0.461 ± 0.009 χ^2/NDF : 1055.5/34

All: -0.478 ± 0.007 χ^2/NDF : 2238.7/66

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



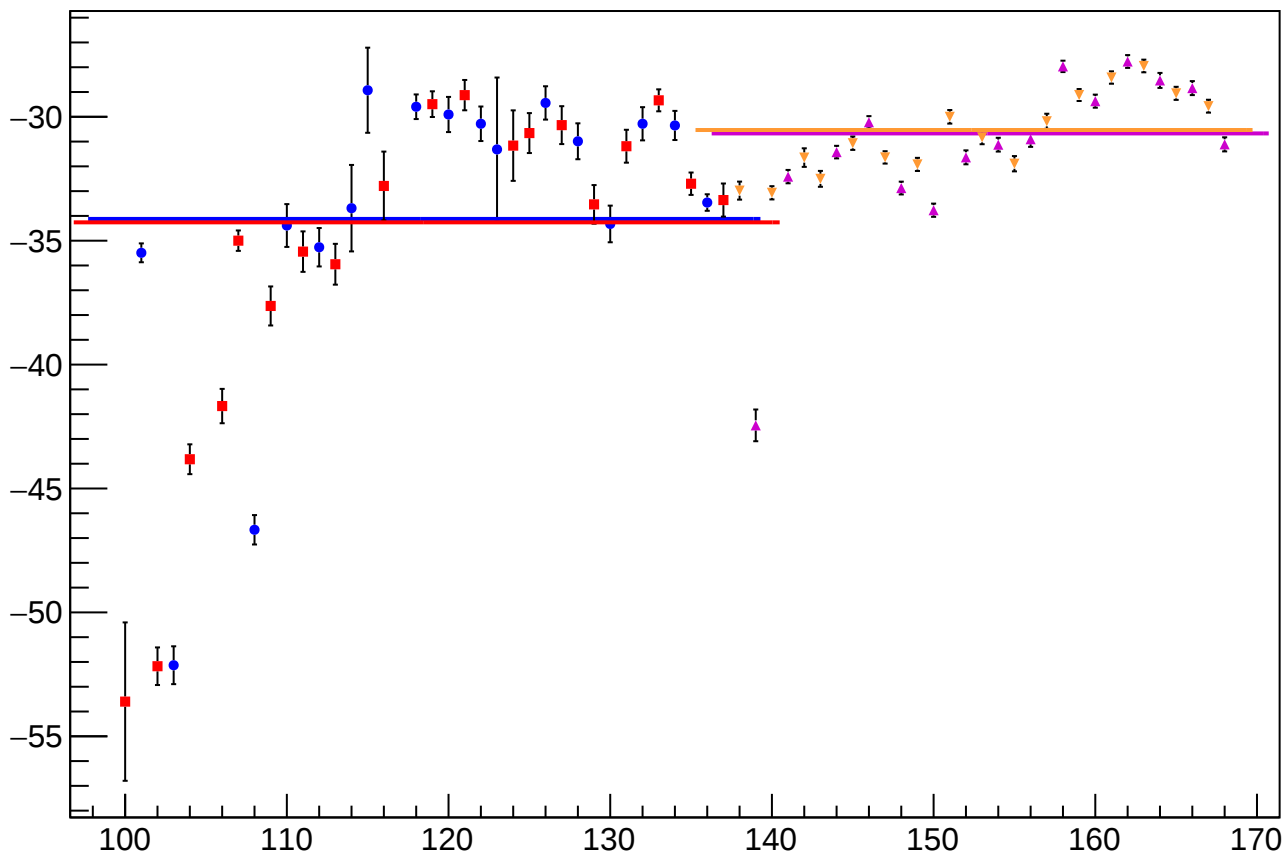
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -12.349+/-0.095 χ^2/NDF :744.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -11.677+/-0.096 χ^2/NDF :1122.2/14

Left: -12.017+/-0.067 χ^2/NDF : 1891.4/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.677+/-0.096 χ^2/NDF :1122.2/14
 Out: -12.349+/-0.095 χ^2/NDF :744.3/15

All: -12.017+/-0.067 χ^2/NDF : 1891.4/30

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: -30.533 ± 0.069 $\chi^2/\text{NDF}: 510.8/15$

Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

Left In: -30.671 ± 0.071 $\chi^2/\text{NDF}: 997.6/14$

Left: -30.601 ± 0.050 $\chi^2/\text{NDF}: 1510.3/30$

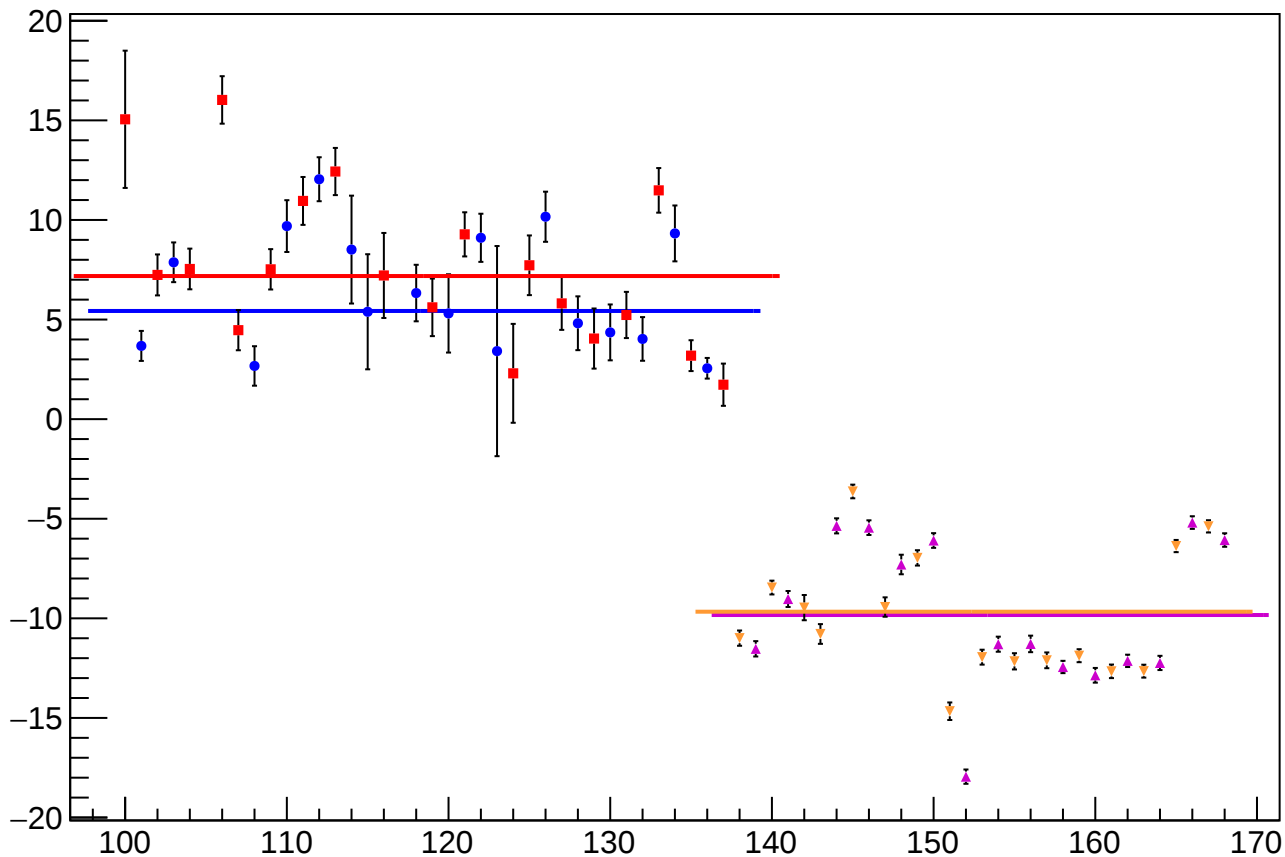
Right: -34.191 ± 0.107 $\chi^2/\text{NDF}: 2677.8/35$

In: -31.294 ± 0.064 $\chi^2/\text{NDF}: 2743.5/31$

Out: -31.185 ± 0.063 $\chi^2/\text{NDF}: 2369.3/34$

All: -31.238 ± 0.045 $\chi^2/\text{NDF}: 5114.3/66$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -9.667 ± 0.093 $\chi^2/\text{NDF}: 1146.2/15$

Right Out: 7.185 ± 0.274 $\chi^2/\text{NDF}: 182.1/18$

Left In: -9.834 ± 0.094 $\chi^2/\text{NDF}: 1548.6/14$

Left: -9.750 ± 0.066 $\chi^2/\text{NDF}: 2696.4/30$

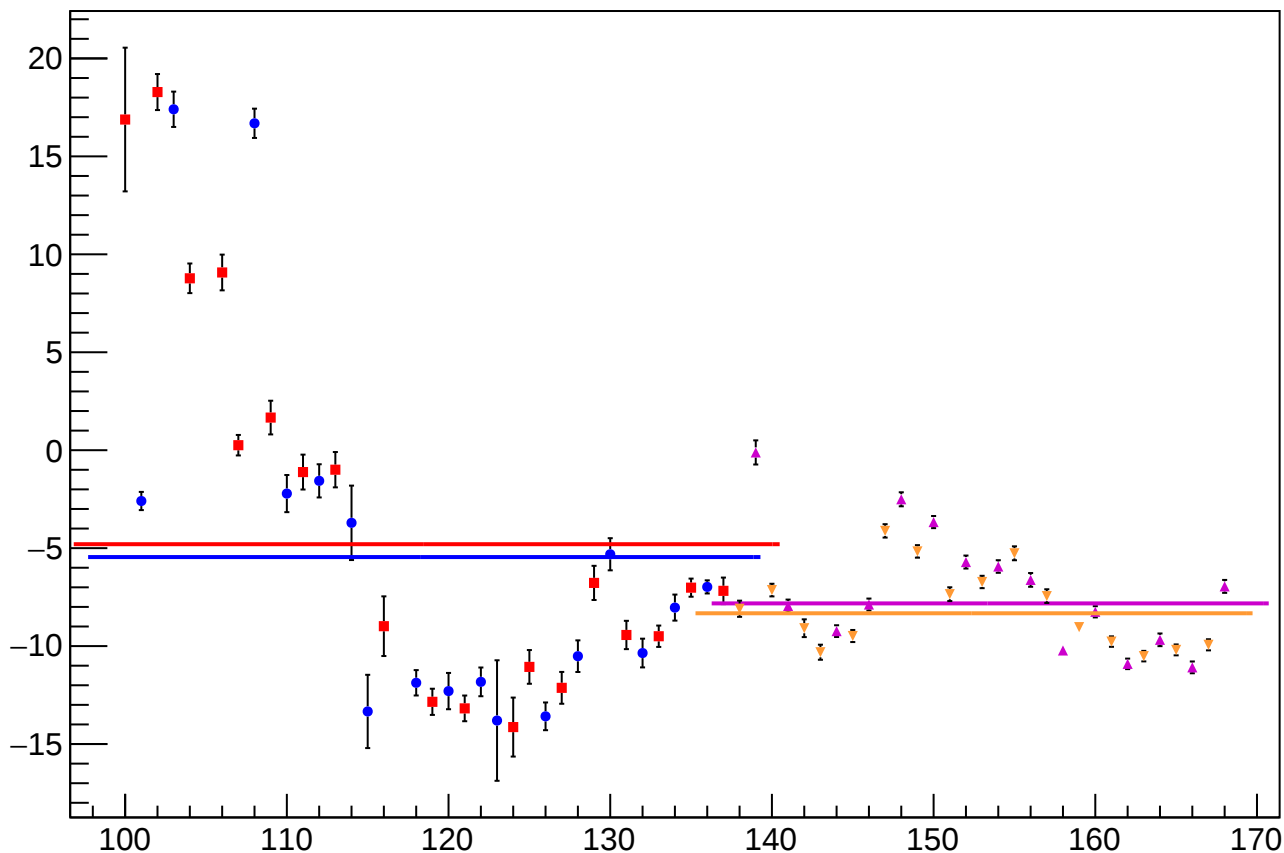
Right: 6.295 ± 0.193 $\chi^2/\text{NDF}: 334.8/35$

In: -8.198 ± 0.089 $\chi^2/\text{NDF}: 4526.2/31$

Out: -7.916 ± 0.088 $\chi^2/\text{NDF}: 4707.0/34$

All: -8.057 ± 0.063 $\chi^2/\text{NDF}: 9238.2/66$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.325 ± 0.079 χ^2/NDF : 600.6/15

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

Left In: -7.820 ± 0.081 χ^2/NDF : 1055.4/14

Left: -8.078 ± 0.057 χ^2/NDF : 1675.8/30

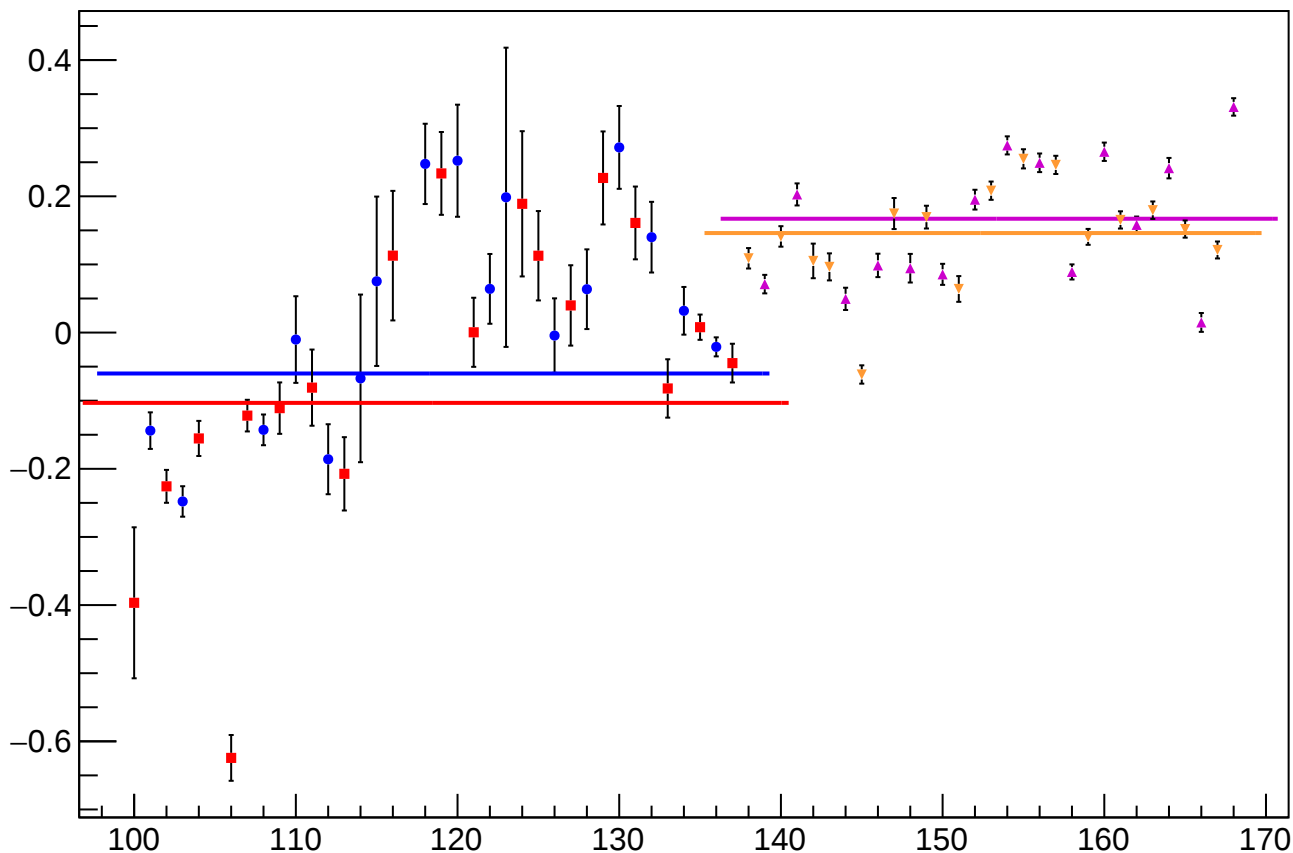
Right: -5.131 ± 0.122 χ^2/NDF : 4151.2/35

In: -7.385 ± 0.073 χ^2/NDF : 3308.3/31

Out: -7.711 ± 0.072 χ^2/NDF : 2991.7/34

All: -7.551 ± 0.051 χ^2/NDF : 6310.1/66

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: 0.146 ± 0.004 χ^2/NDF : 426.9/15

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

Left In: 0.167 ± 0.004 χ^2/NDF : 680.7/14

Left: 0.157 ± 0.003 χ^2/NDF : 1124.1/30

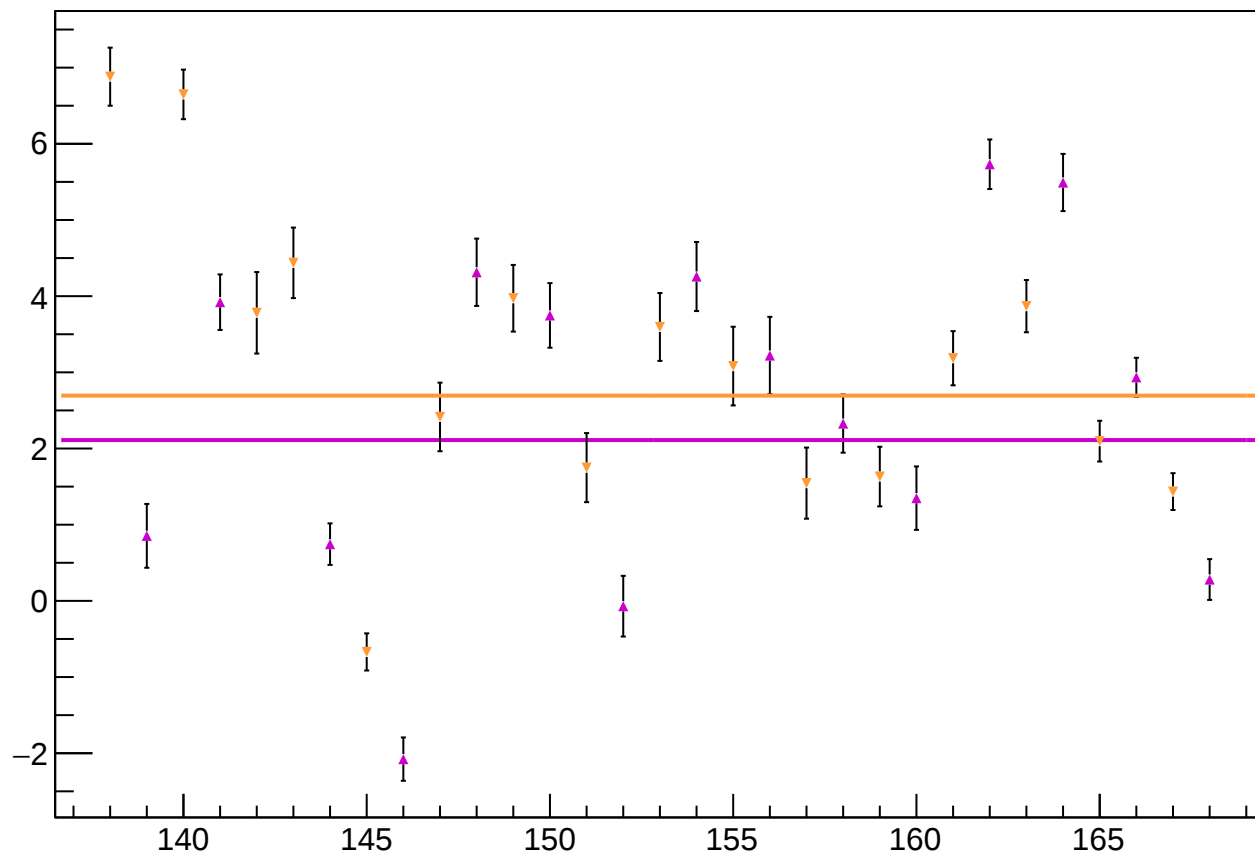
Right: -0.082 ± 0.006 χ^2/NDF : 662.9/35

In: 0.131 ± 0.003 χ^2/NDF : 1510.4/31

Out: 0.107 ± 0.003 χ^2/NDF : 1597.0/34

All: 0.119 ± 0.002 χ^2/NDF : 3132.9/66

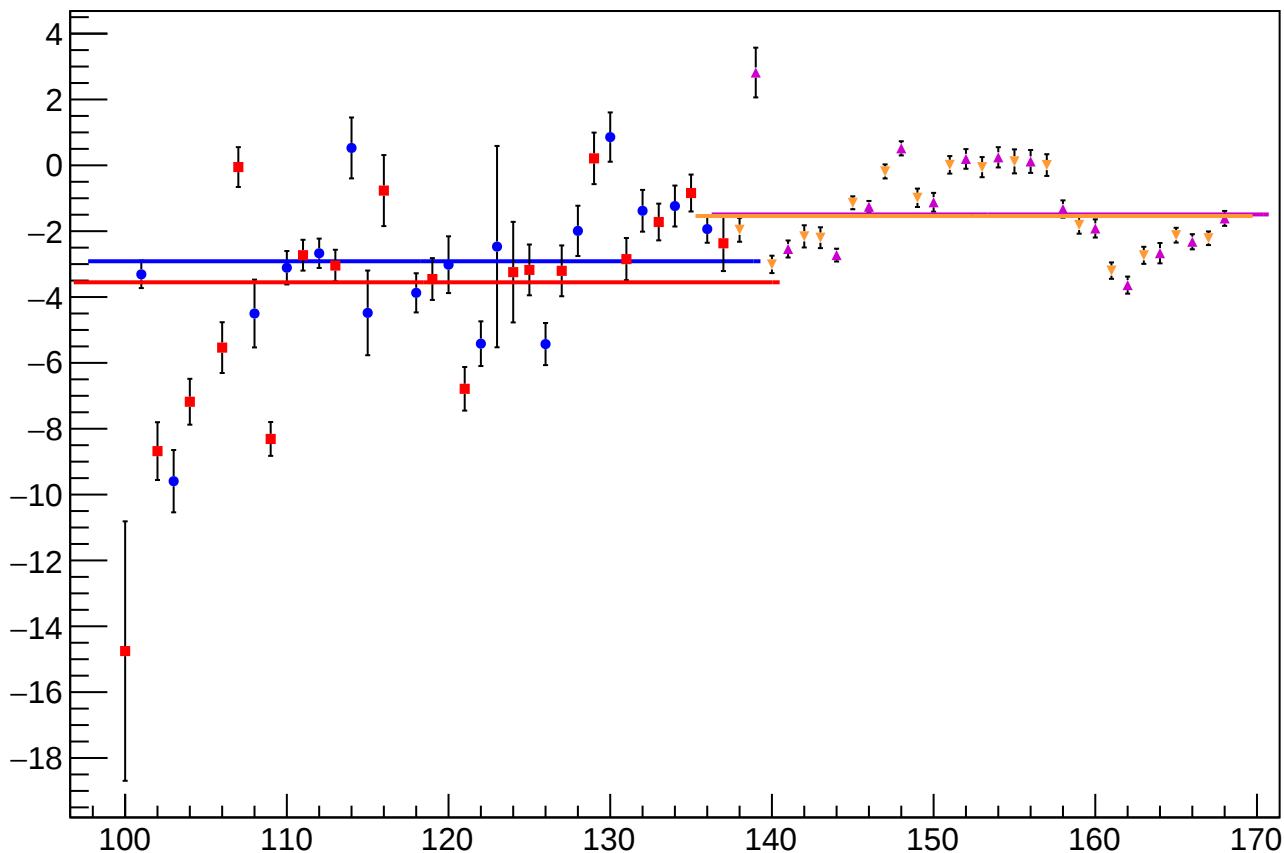
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.694 $\pm$ 0.090 χ^2 /NDF:554.3/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.111 $\pm$ 0.090 χ^2 /NDF:638.1/14

Left: 2.403 $\pm$ 0.064 χ^2 /NDF: 1213.4/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.111 $\pm$ 0.090 χ^2 /NDF:638.1/14
 Out: 2.694 $\pm$ 0.090 χ^2 /NDF:554.3/15
 All: 2.403 $\pm$ 0.064 χ^2 /NDF: 1213.4/30

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.540 ± 0.066 χ^2/NDF : 272.4/15

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

Left In: -1.492 ± 0.066 χ^2/NDF : 363.8/14

Left: -1.516 ± 0.047 χ^2/NDF : 636.5/30

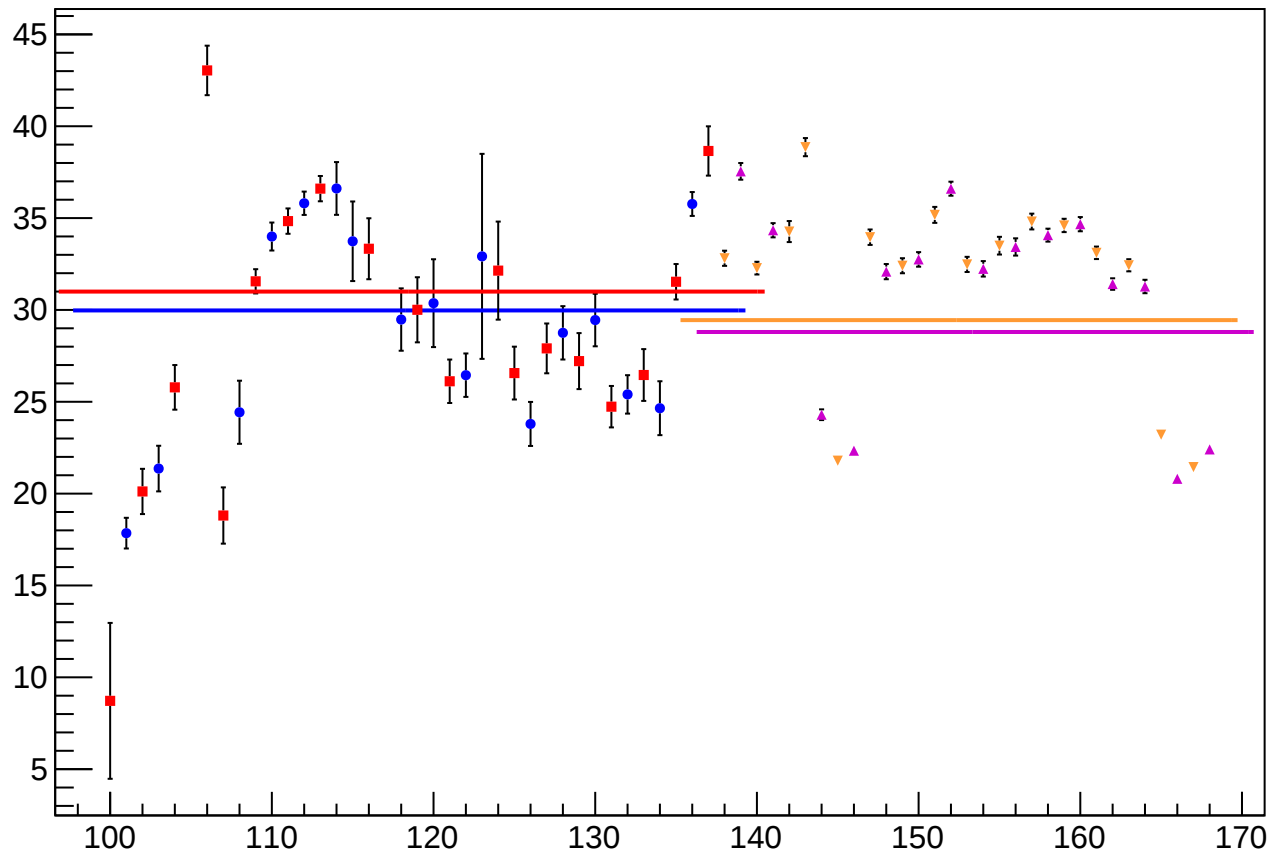
Right: -3.234 ± 0.109 χ^2/NDF : 445.5/35

In: -1.709 ± 0.061 χ^2/NDF : 581.4/31

Out: -1.849 ± 0.061 χ^2/NDF : 706.8/34

All: -1.779 ± 0.043 χ^2/NDF : 1290.9/66

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 χ^2/NDF : 554.3/16

Left Out: 29.445 ± 0.090 χ^2/NDF : 4055.3/15

Right Out: 30.999 ± 0.260 χ^2/NDF : 479.5/18

Left In: 28.799 ± 0.089 χ^2/NDF : 4183.6/14

Left: 29.119 ± 0.063 χ^2/NDF : 8265.1/30

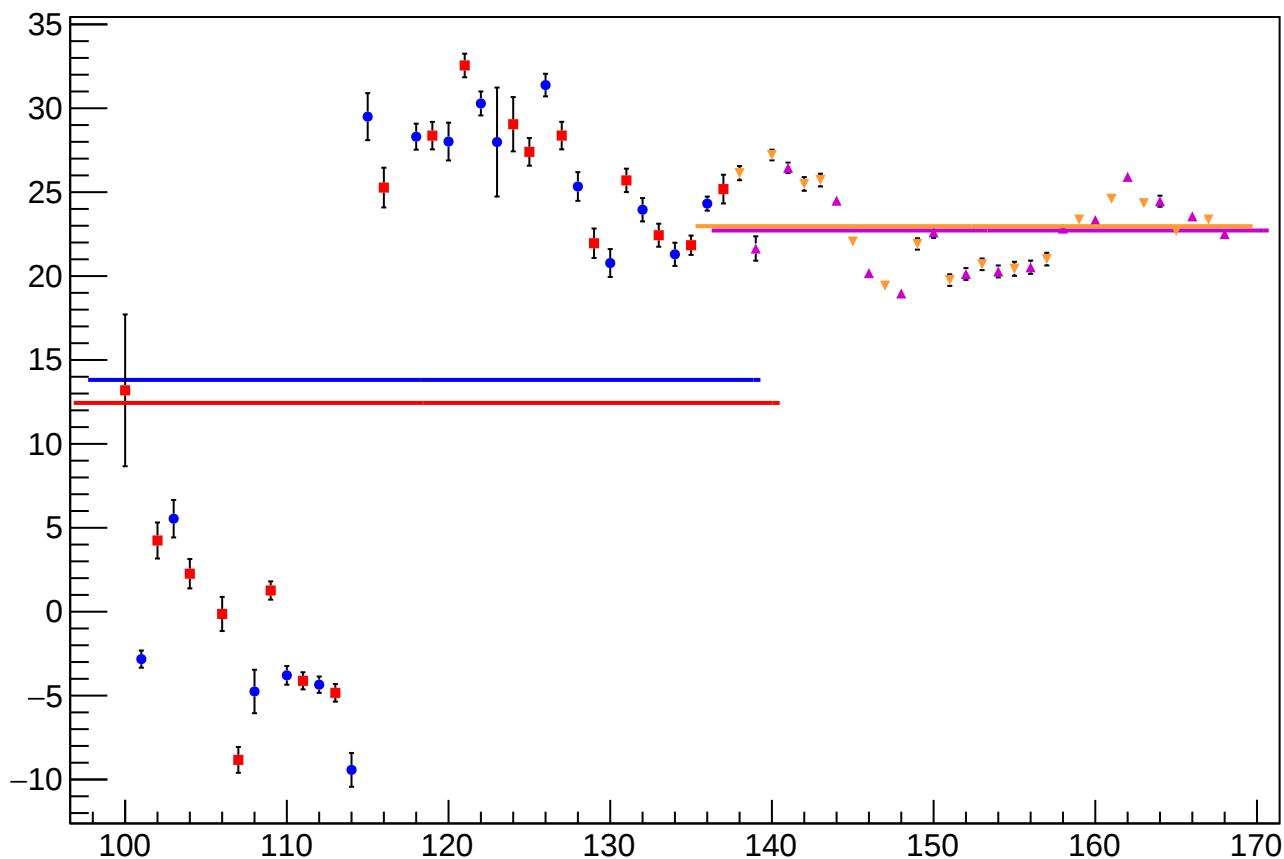
Right: 30.500 ± 0.186 χ^2/NDF : 1041.4/35

In: 28.916 ± 0.084 χ^2/NDF : 4755.2/31

Out: 29.610 ± 0.085 χ^2/NDF : 4566.7/34

All: 29.261 ± 0.060 χ^2/NDF : 9355.7/66

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.974 $\pm$ 0.076 χ^2 /NDF: 755.6/15

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

Left In: 22.716 $\pm$ 0.076 χ^2 /NDF: 809.8/14

Left: 22.846 $\pm$ 0.054 χ^2 /NDF: 1571.2/30

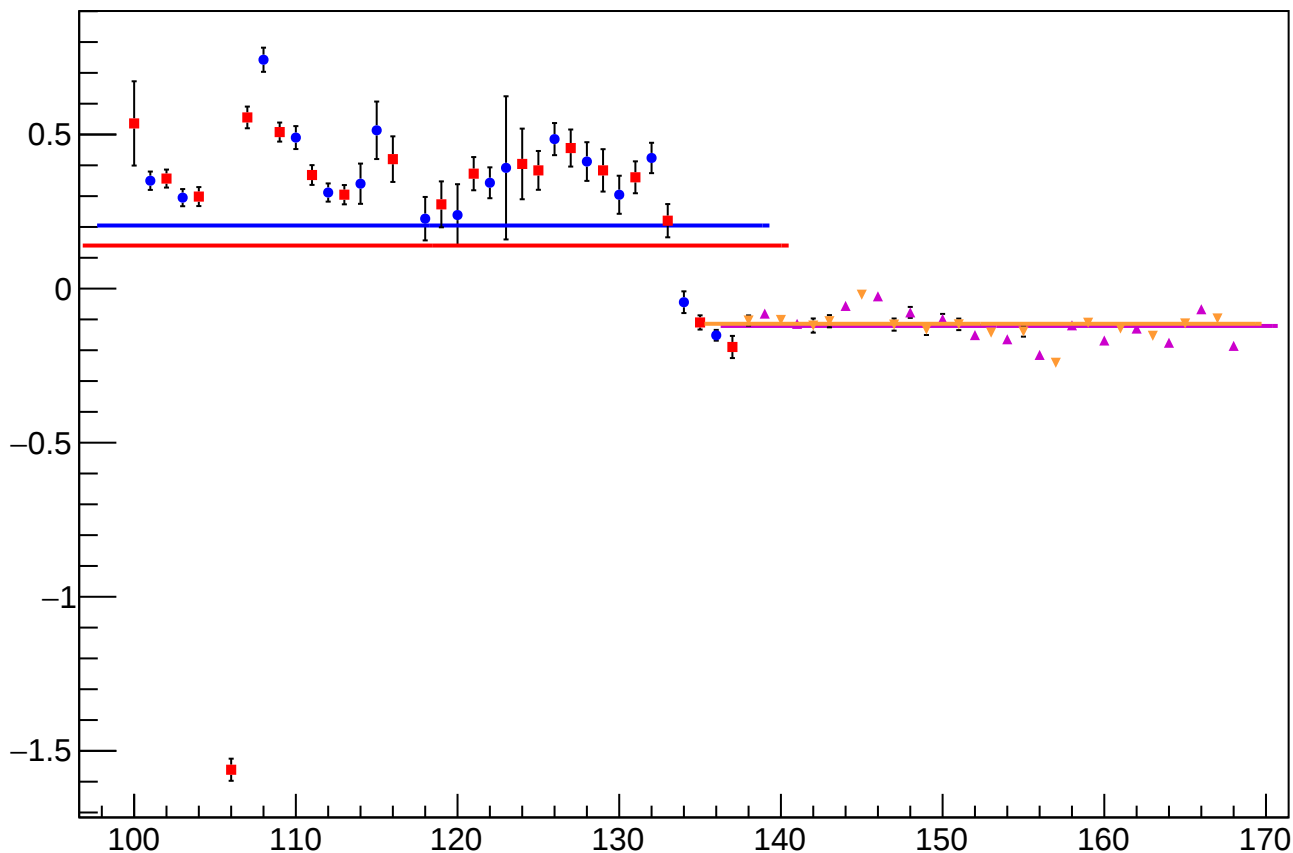
Right: 13.131 $\pm$ 0.122 χ^2 /NDF: 14320.3/35

In: 21.263 $\pm$ 0.070 χ^2 /NDF: 10353.1/31

Out: 21.294 $\pm$ 0.069 χ^2 /NDF: 10816.3/34

All: 21.279 $\pm$ 0.049 χ^2 /NDF: 21169.5/66

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 ± 0.004 $\chi^2/\text{NDF}: 184.1/15$

Right Out: 0.140 ± 0.009 $\chi^2/\text{NDF}: 3014.2/18$

Left In: -0.121 ± 0.004 $\chi^2/\text{NDF}: 234.5/14$

Left: -0.118 ± 0.003 $\chi^2/\text{NDF}: 420.6/30$

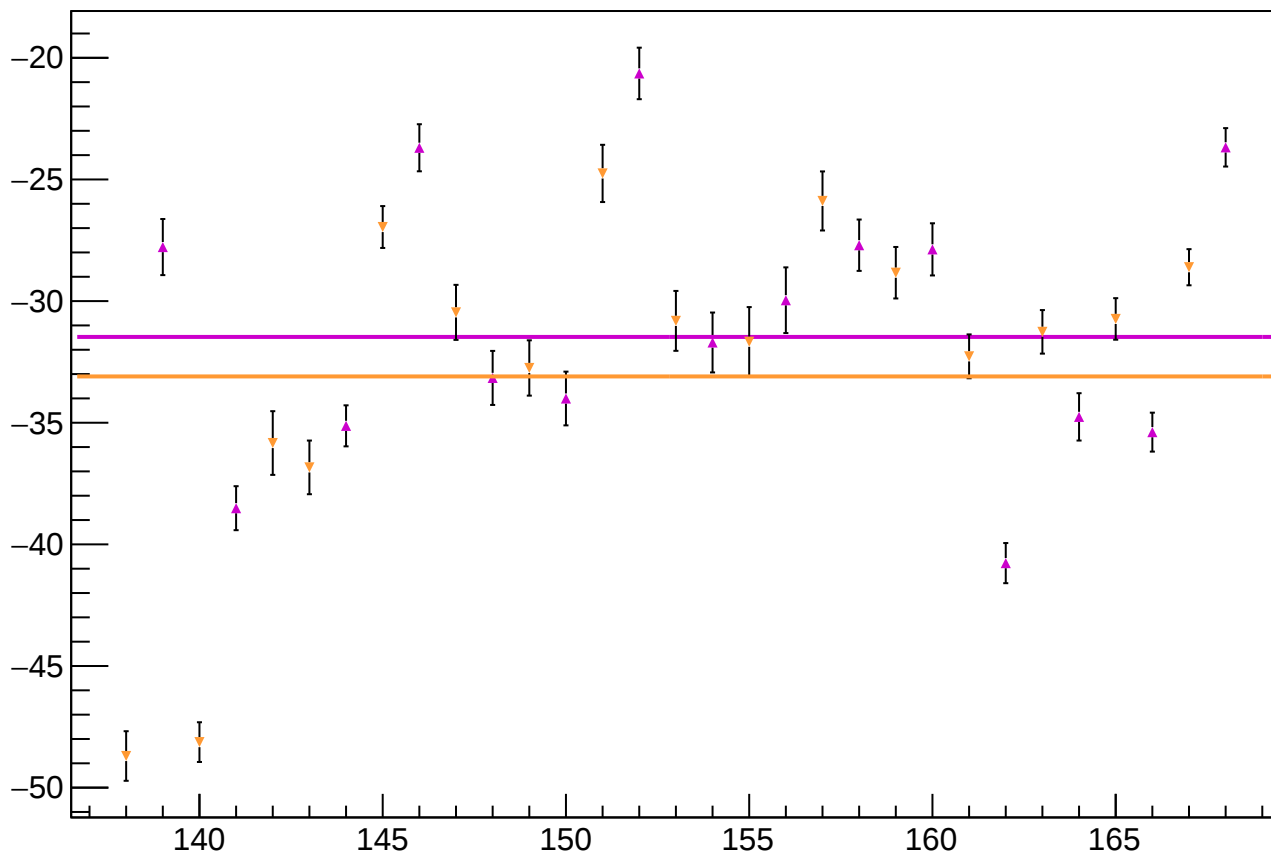
Right: 0.172 ± 0.007 $\chi^2/\text{NDF}: 3884.5/35$

In: -0.080 ± 0.003 $\chi^2/\text{NDF}: 2137.6/31$

Out: -0.082 ± 0.003 $\chi^2/\text{NDF}: 3860.9/34$

All: -0.081 ± 0.002 $\chi^2/\text{NDF}: 5998.6/66$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -33.097 ± 0.251 χ^2/NDF : 801.0/15

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -31.473 ± 0.253 χ^2/NDF : 551.4/14

Left: -32.291 ± 0.178 χ^2/NDF : 1373.2/30

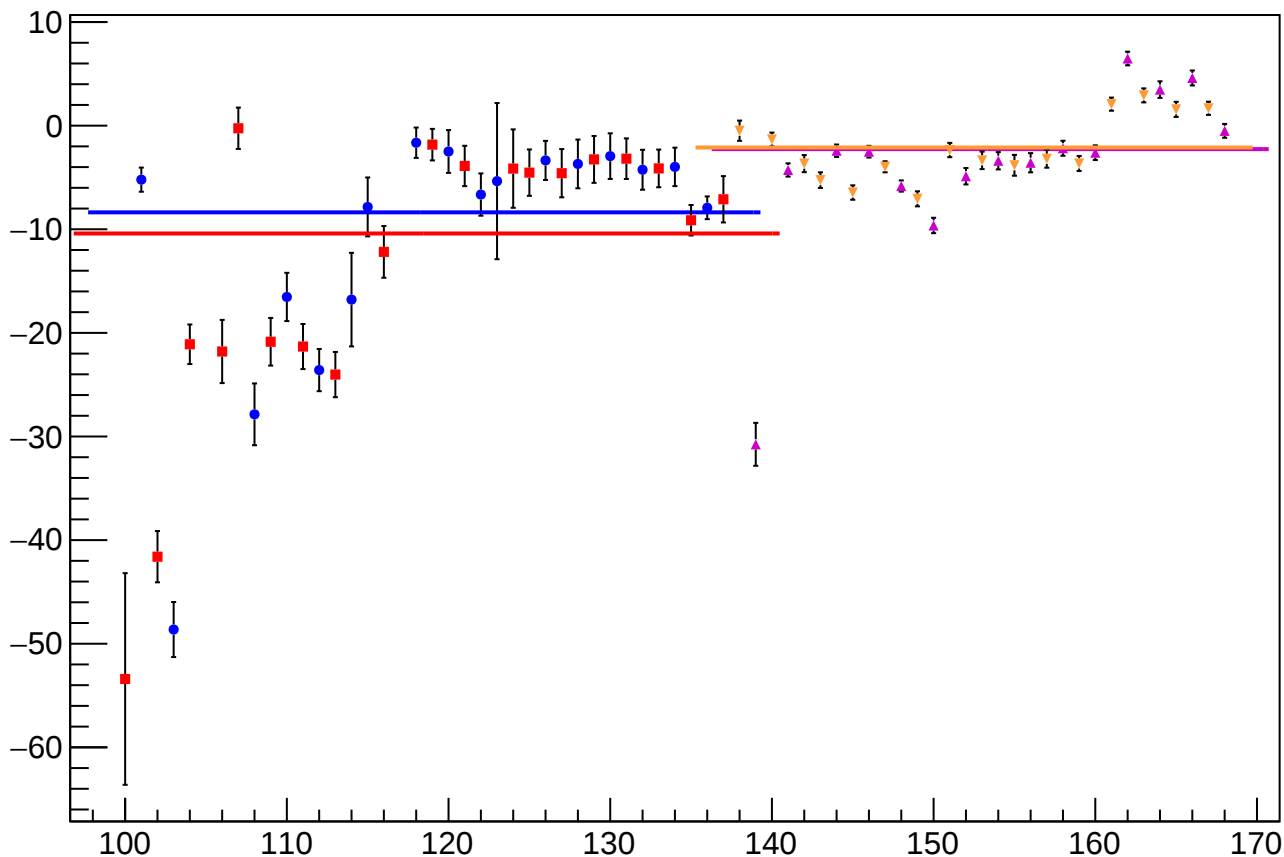
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -31.473 ± 0.253 χ^2/NDF : 551.4/14

Out: -33.097 ± 0.251 χ^2/NDF : 801.0/15

All: -32.291 ± 0.178 χ^2/NDF : 1373.2/30

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: -2.108+/-0.180 χ^2 /NDF:293.1/15

Right Out: -10.405+/-0.491 χ^2 /NDF: 430.3/18

Left In: -2.262+/-0.183 χ^2 /NDF:680.9/14

Left: -2.184+/-0.128 χ^2 /NDF: 974.4/30

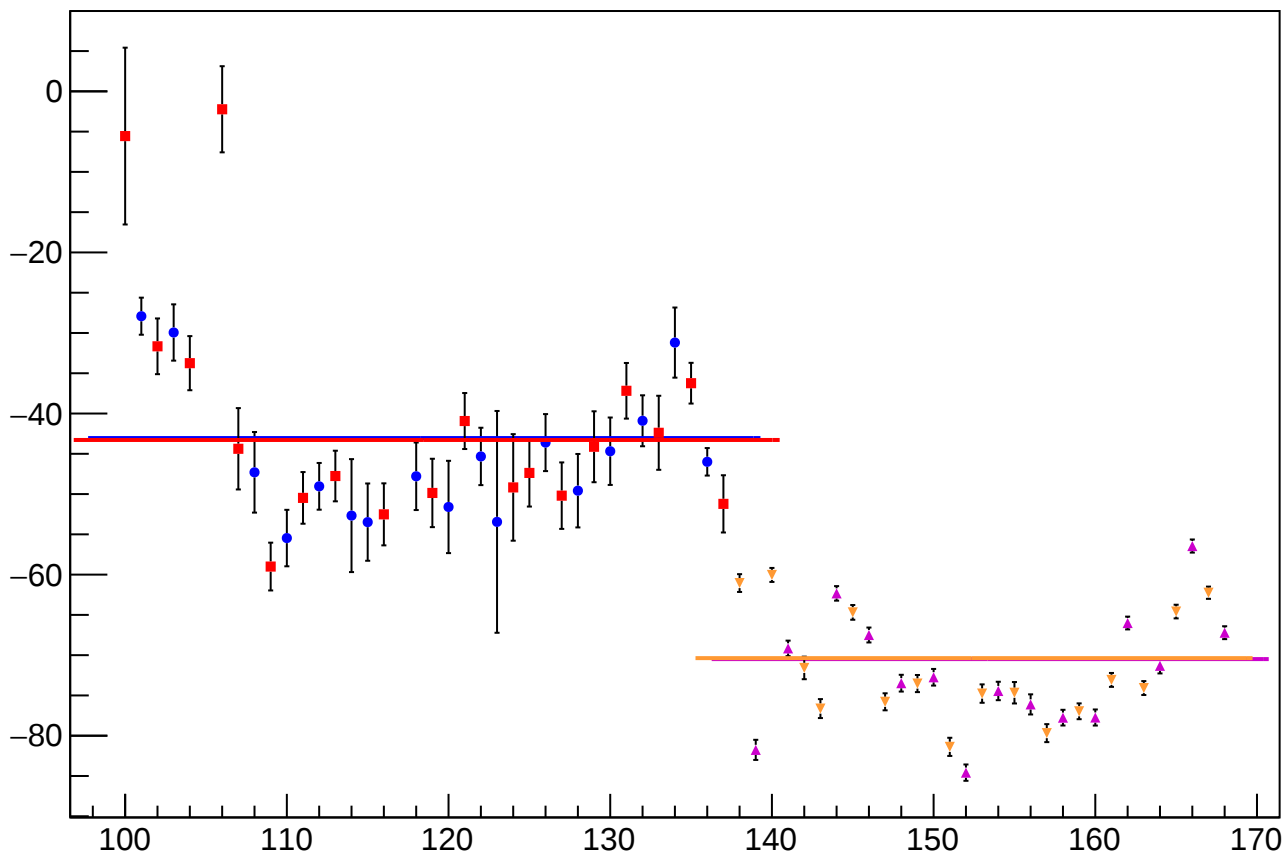
Right: -9.333+/-0.338 χ^2 /NDF: 848.2/35

In: -3.078+/-0.170 χ^2 /NDF:1238.4/31

Out: -3.094+/-0.169 χ^2 /NDF:975.1/34

All: -3.086+/-0.120 χ^2 /NDF: 2213.5/66

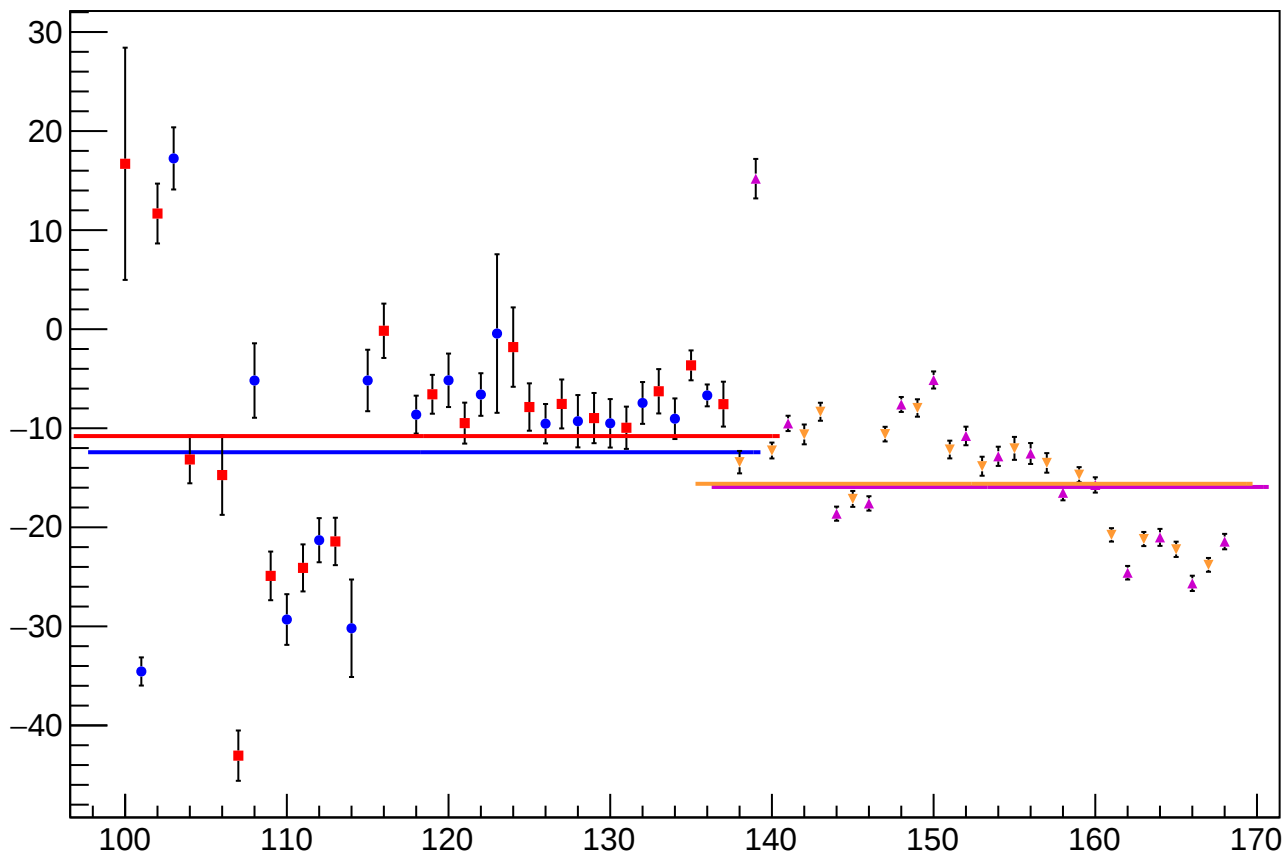
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$
 Left Out: -70.368 ± 0.249 $\chi^2/\text{NDF}: 739.5/15$
 Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$
 Left In: -70.487 ± 0.249 $\chi^2/\text{NDF}: 869.4/14$

Left: -70.428 ± 0.176 $\chi^2/\text{NDF}: 1609.0/30$
 Right: -43.161 ± 0.602 $\chi^2/\text{NDF}: 253.4/35$
 In: -68.264 ± 0.238 $\chi^2/\text{NDF}: 1955.4/31$
 Out: -68.303 ± 0.239 $\chi^2/\text{NDF}: 1795.1/34$
 All: -68.283 ± 0.169 $\chi^2/\text{NDF}: 3750.5/66$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -15.607 ± 0.209 χ^2/NDF : 599.4/15

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

Left In: -15.927 ± 0.212 χ^2/NDF : 1064.6/14

Left: -15.764 ± 0.149 χ^2/NDF : 1665.1/30

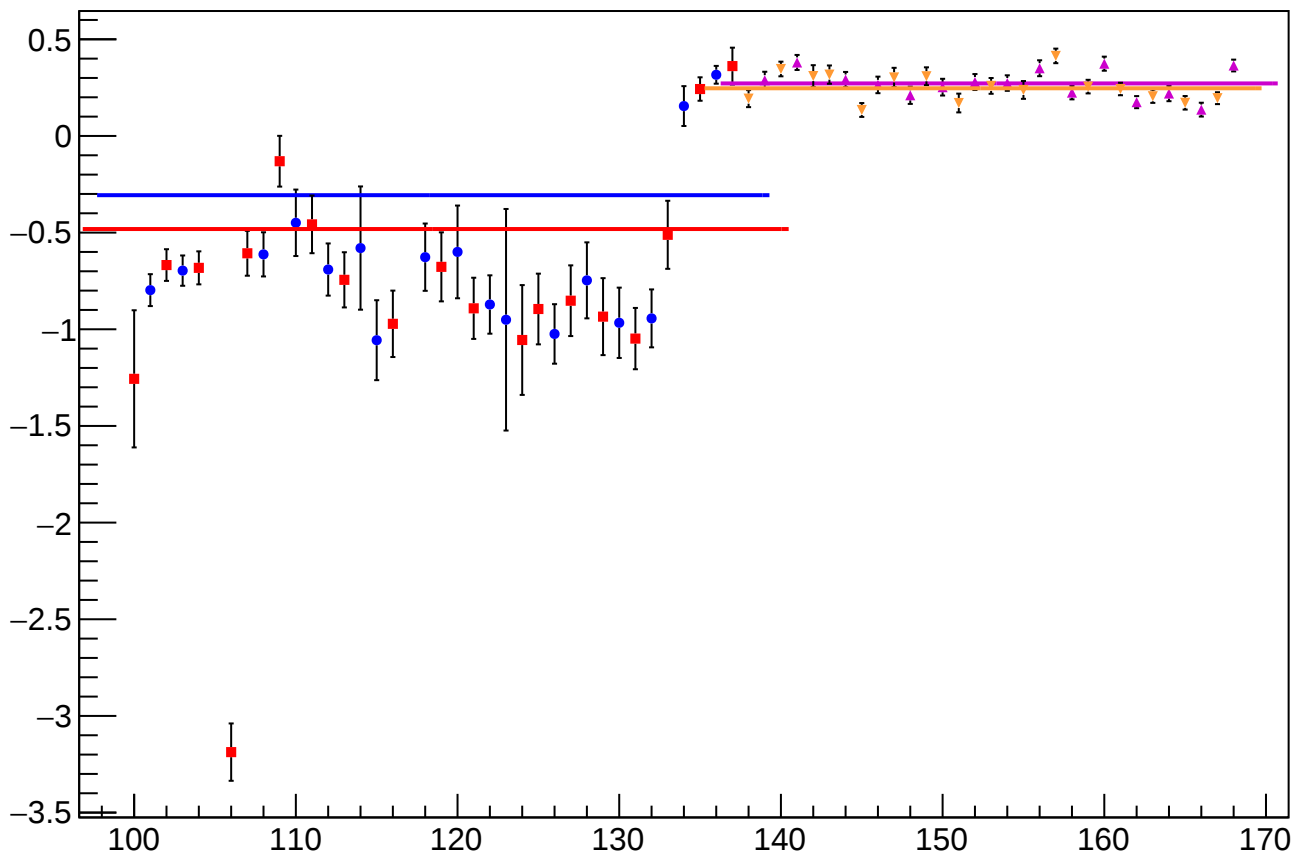
Right: -11.652 ± 0.380 χ^2/NDF : 844.7/35

In: -15.431 ± 0.197 χ^2/NDF : 1577.5/31

Out: -15.008 ± 0.195 χ^2/NDF : 1031.4/34

All: -15.218 ± 0.139 χ^2/NDF : 2611.3/66

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 $\pm$ 0.028 χ^2/NDF : 371.7/16

Left Out: 0.247 $\pm$ 0.010 χ^2/NDF :56.0/15

Right Out: -0.481 $\pm$ 0.029 χ^2/NDF : 628.3/18

Left In: 0.272 $\pm$ 0.010 χ^2/NDF :58.6/14

Left: 0.259 $\pm$ 0.007 χ^2/NDF : 117.9/30

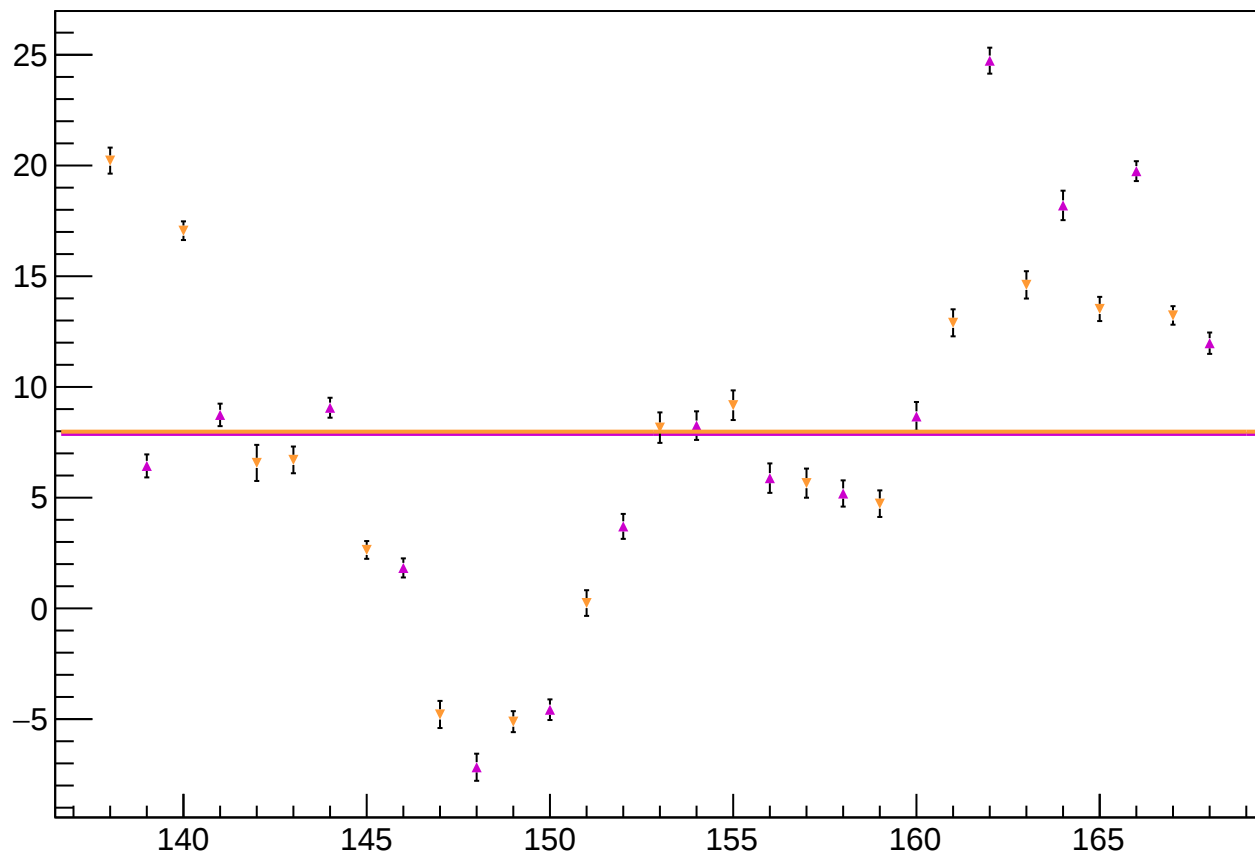
Right: -0.391 $\pm$ 0.020 χ^2/NDF : 1019.4/35

In: 0.206 $\pm$ 0.009 χ^2/NDF :820.2/31

Out: 0.169 $\pm$ 0.009 χ^2/NDF :1263.7/34

All: 0.188 $\pm$ 0.007 χ^2/NDF : 2091.7/66

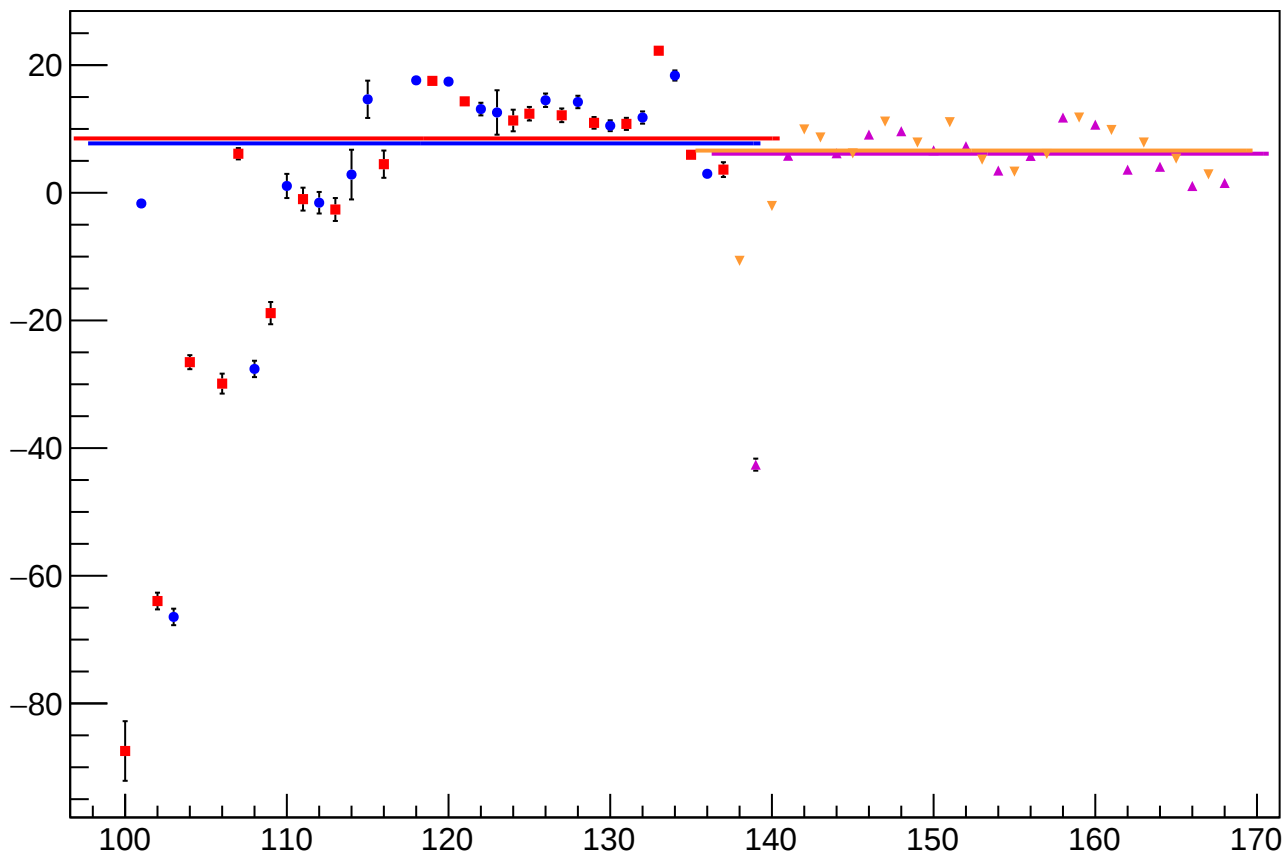
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.981+/-0.138 χ^2/NDF :2943.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.879+/-0.138 χ^2/NDF :3458.1/14

Left: 7.930+/-0.097 χ^2/NDF : 6401.6/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.879+/-0.138 χ^2/NDF :3458.1/14
 Out: 7.981+/-0.138 χ^2/NDF :2943.3/15
 All: 7.930+/-0.097 χ^2/NDF : 6401.6/30

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.615 ± 0.099 χ^2/NDF : 2338.6/15

Right Out: 8.514 ± 0.213 χ^2/NDF : 6719.4/18

Left In: 6.123 ± 0.101 χ^2/NDF : 3586.3/14

Left: 6.372 ± 0.071 χ^2/NDF : 5937.1/30

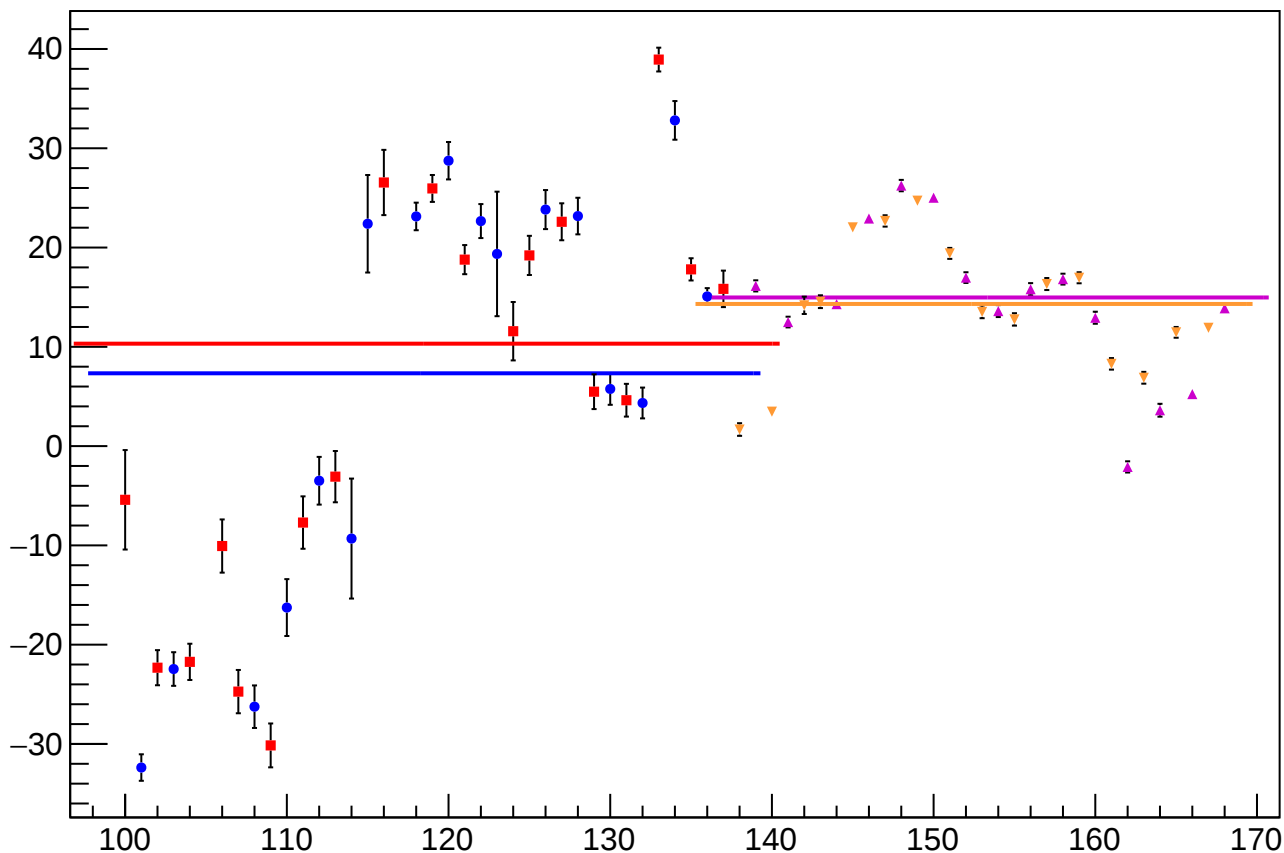
Right: 8.134 ± 0.152 χ^2/NDF : 12026.5/35

In: 6.405 ± 0.091 χ^2/NDF : 8932.1/31

Out: 6.951 ± 0.090 χ^2/NDF : 9123.4/34

All: 6.683 ± 0.064 χ^2/NDF : 18073.6/66

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 14.318 ± 0.136 χ^2/NDF : 2519.9/15

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

Left In: 14.971 ± 0.136 χ^2/NDF : 3034.9/14

Left: 14.647 ± 0.096 χ^2/NDF : 5566.3/30

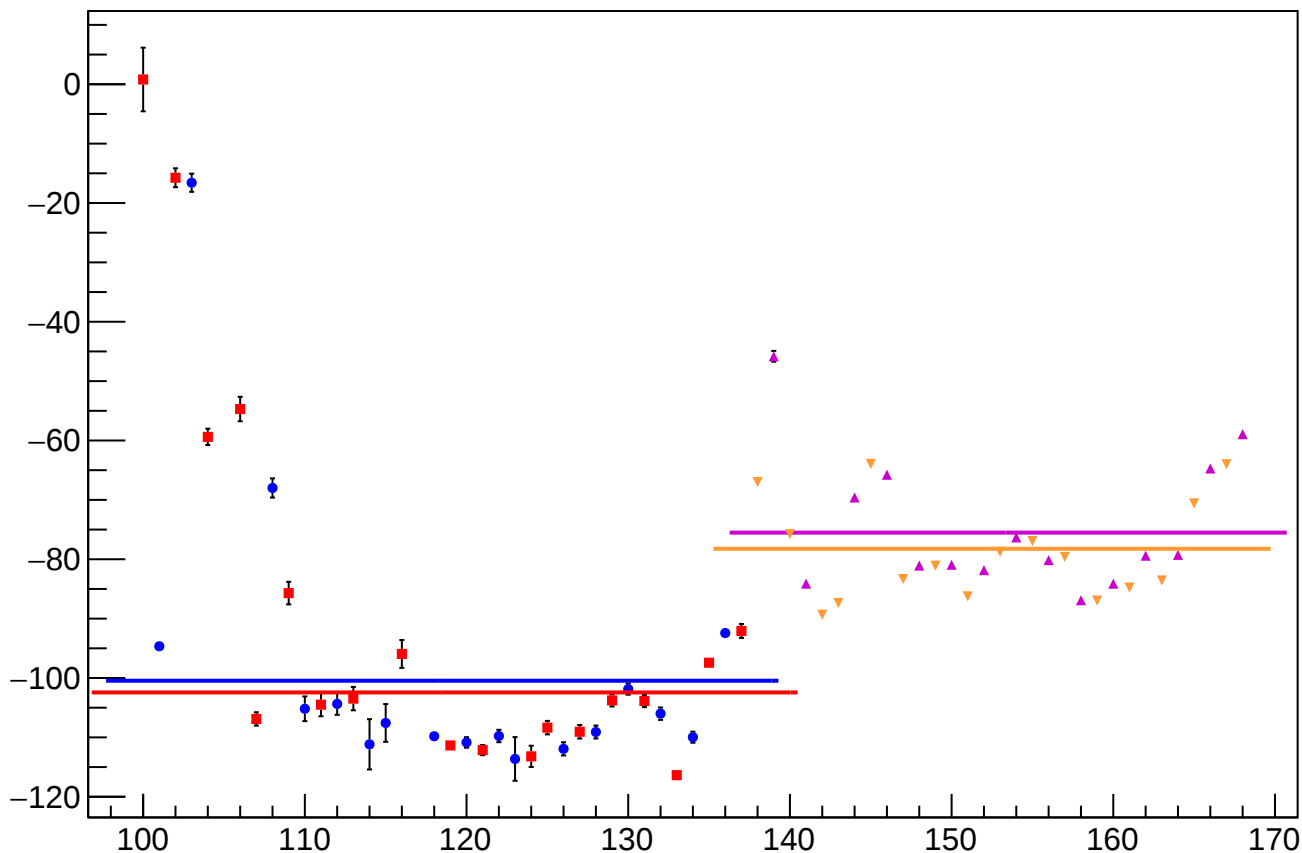
Right: 8.831 ± 0.295 χ^2/NDF : 4600.2/35

In: 14.246 ± 0.129 χ^2/NDF : 5629.3/31

Out: 13.931 ± 0.130 χ^2/NDF : 4884.6/34

All: 14.089 ± 0.091 χ^2/NDF : 10516.9/66

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: -78.236 ± 0.115 χ^2/NDF : 5226.3/15

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

Left In: -75.514 ± 0.117 χ^2/NDF : 6116.0/14

Left: -76.894 ± 0.082 χ^2/NDF : 11617.4/30

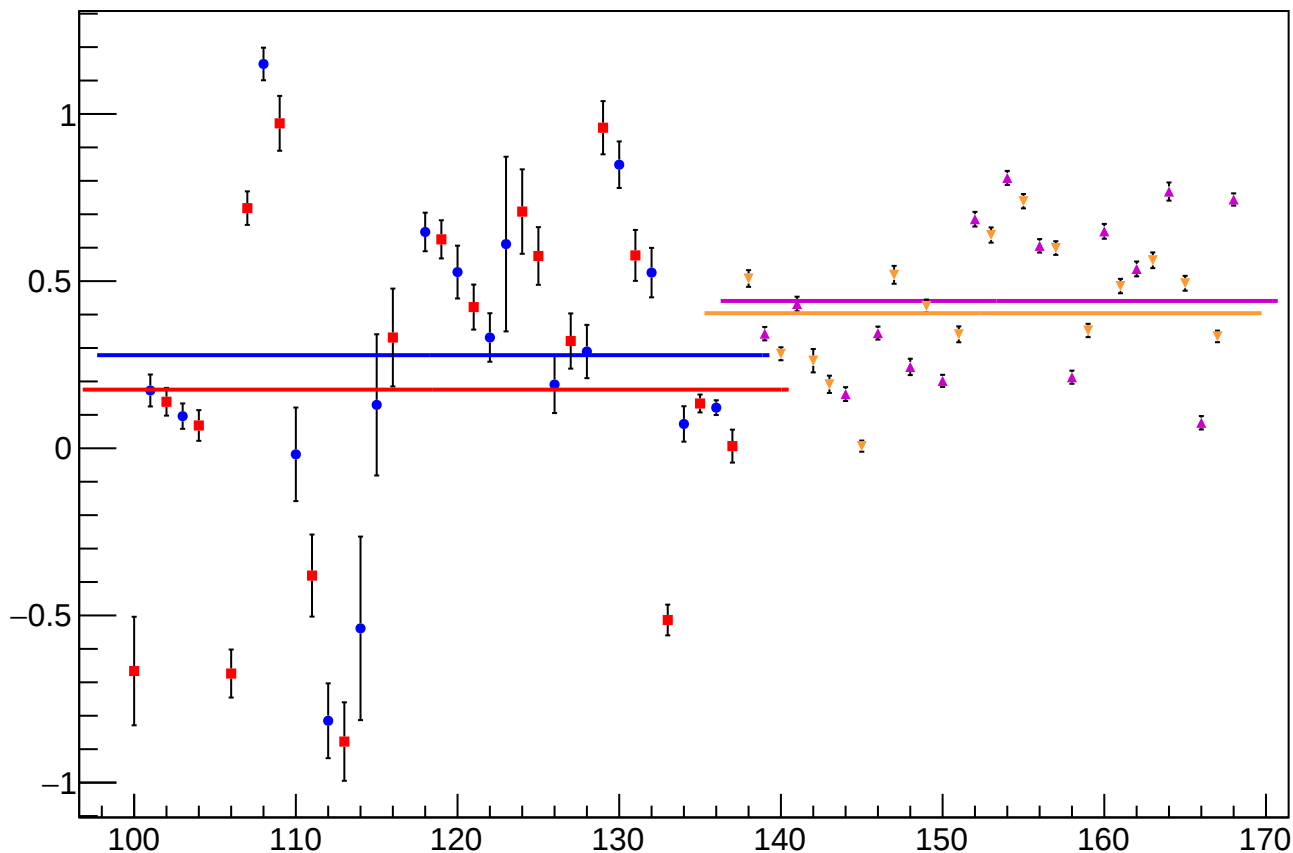
Right: -101.462 ± 0.176 χ^2/NDF : 10586.9/35

In: -79.965 ± 0.106 χ^2/NDF : 18706.9/31

Out: -82.587 ± 0.104 χ^2/NDF : 19237.9/34

All: -81.294 ± 0.074 χ^2/NDF : 38255.4/66

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 $\pm$ 0.014 χ^2 /NDF: 653.9/16

Left Out: 0.404 $\pm$ 0.005 χ^2 /NDF:1272.3/15

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

Left In: 0.441 $\pm$ 0.005 χ^2 /NDF:1949.5/14

Left: 0.422 $\pm$ 0.004 χ^2 /NDF: 3244.9/30

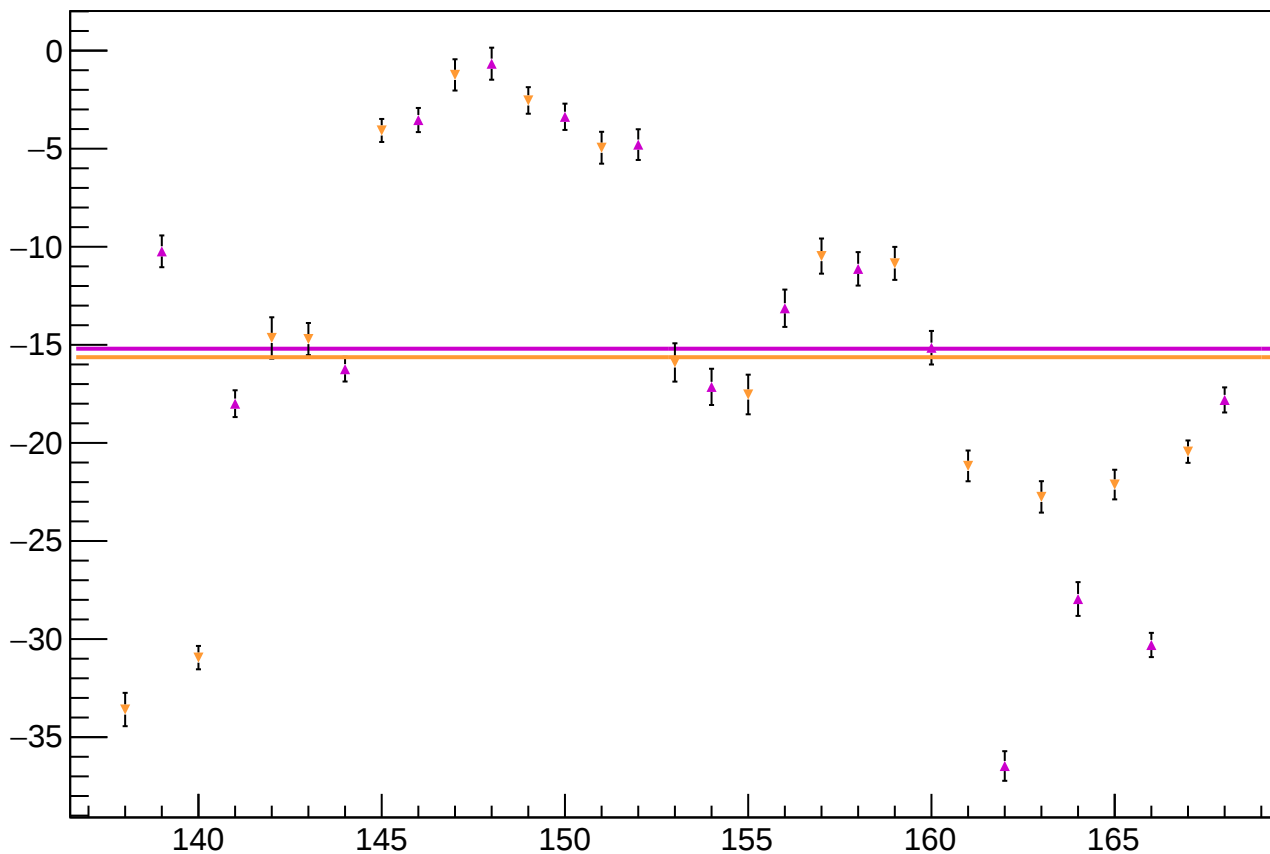
Right: 0.227 $\pm$ 0.010 χ^2 /NDF: 1650.8/35

In: 0.418 $\pm$ 0.005 χ^2 /NDF:2727.6/31

Out: 0.372 $\pm$ 0.005 χ^2 /NDF:2487.9/34

All: 0.396 $\pm$ 0.004 χ^2 /NDF: 5257.7/66

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -15.630+/-0.191 χ^2/NDF : 2713.5/15

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

Left In: -15.197+/-0.191 χ^2/NDF : 2880.4/14

Left: -15.414+/-0.135 χ^2/NDF : 5596.5/30

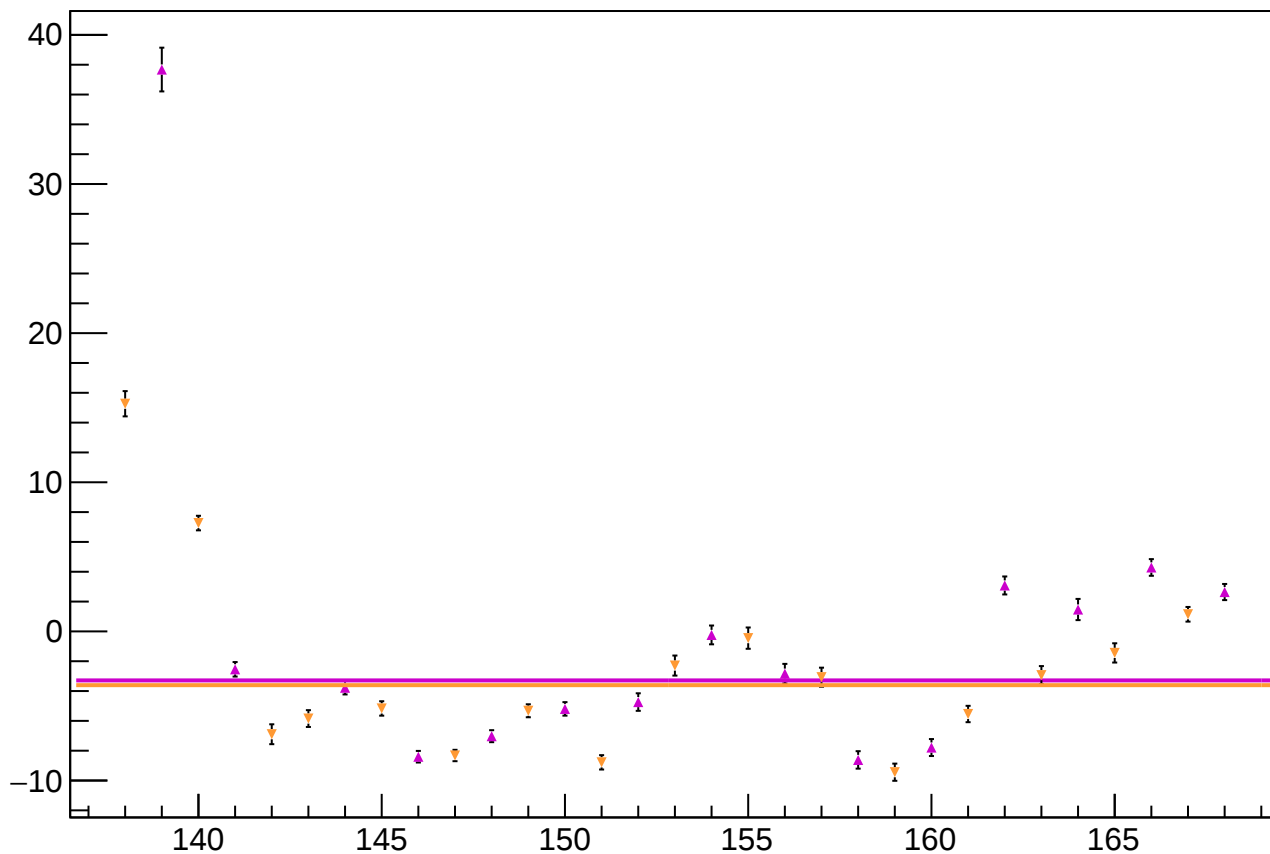
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.197+/-0.191 χ^2/NDF : 2880.4/14

Out: -15.630+/-0.191 χ^2/NDF : 2713.5/15

All: -15.414+/-0.135 χ^2/NDF : 5596.5/30

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



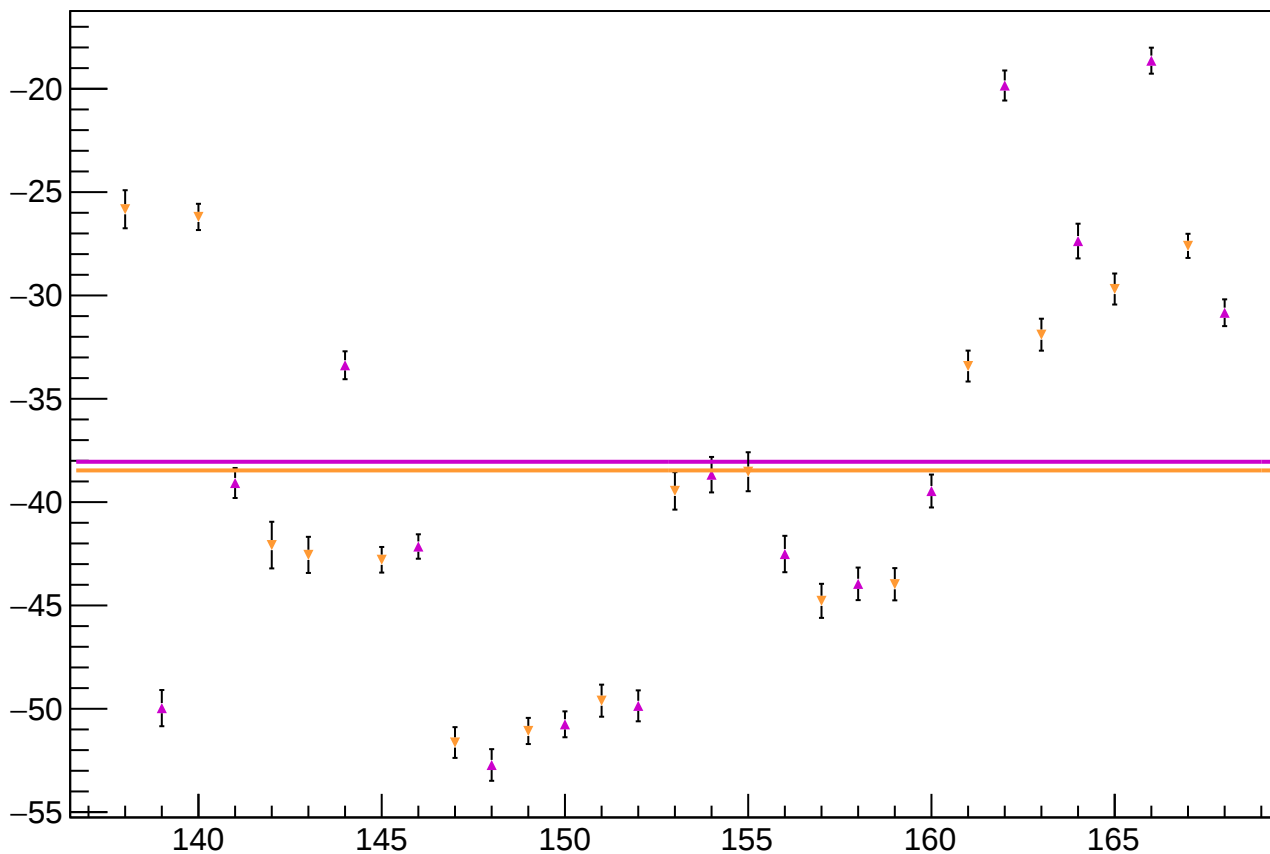
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -3.606 $\pm$ 0.136 χ^2 /NDF:1570.4/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.287 $\pm$ 0.138 χ^2 /NDF:1695.8/14

Left: -3.448 $\pm$ 0.097 χ^2 /NDF: 3268.8/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -3.287 $\pm$ 0.138 χ^2 /NDF:1695.8/14
 Out: -3.606 $\pm$ 0.136 χ^2 /NDF:1570.4/15

All: -3.448 $\pm$ 0.097 χ^2 /NDF: 3268.8/30

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: -38.466+/-0.189 χ^2/NDF :2268.2/15

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

Left In: -38.047+/-0.188 χ^2/NDF :3259.5/14

Left: -38.255+/-0.133 χ^2/NDF : 5530.2/30

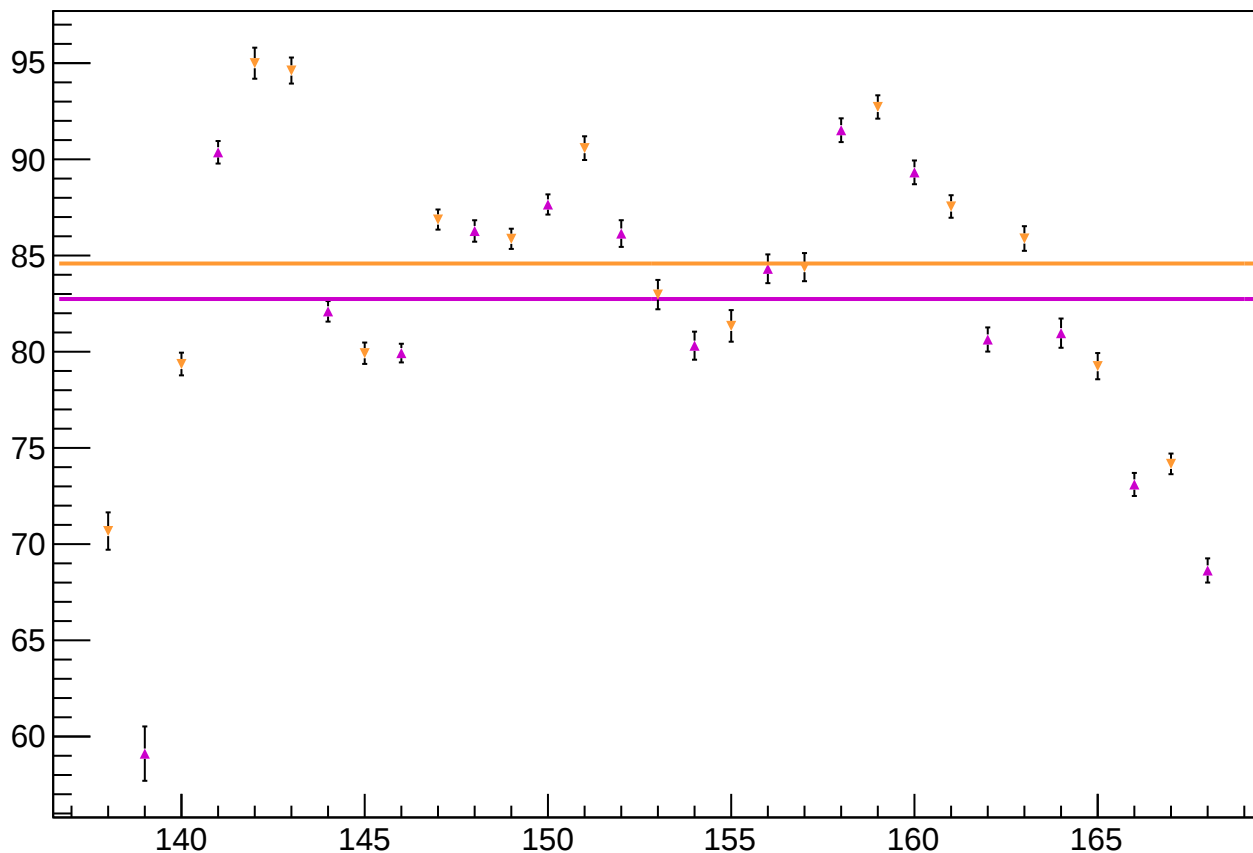
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.047+/-0.188 χ^2/NDF :3259.5/14

Out: -38.466+/-0.189 χ^2/NDF :2268.2/15

All: -38.255+/-0.133 χ^2/NDF : 5530.2/30

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: 84.585+/-0.159 χ^2/NDF :1527.9/15

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

Left In: 82.740+/-0.161 χ^2/NDF :1745.8/14

Left: 83.674+/-0.113 χ^2/NDF : 3340.2/30

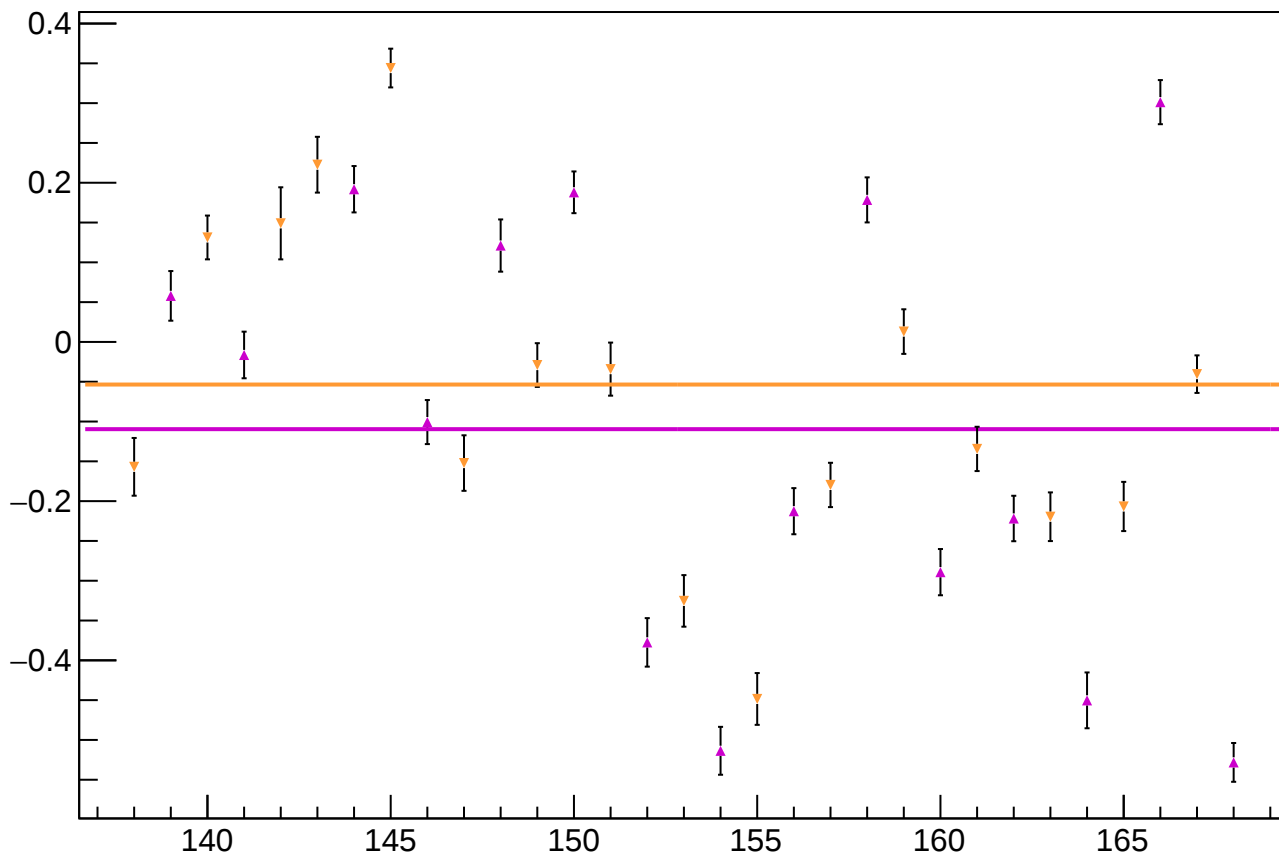
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 82.740+/-0.161 χ^2/NDF :1745.8/14

Out: 84.585+/-0.159 χ^2/NDF :1527.9/15

All: 83.674+/-0.113 χ^2/NDF : 3340.2/30

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



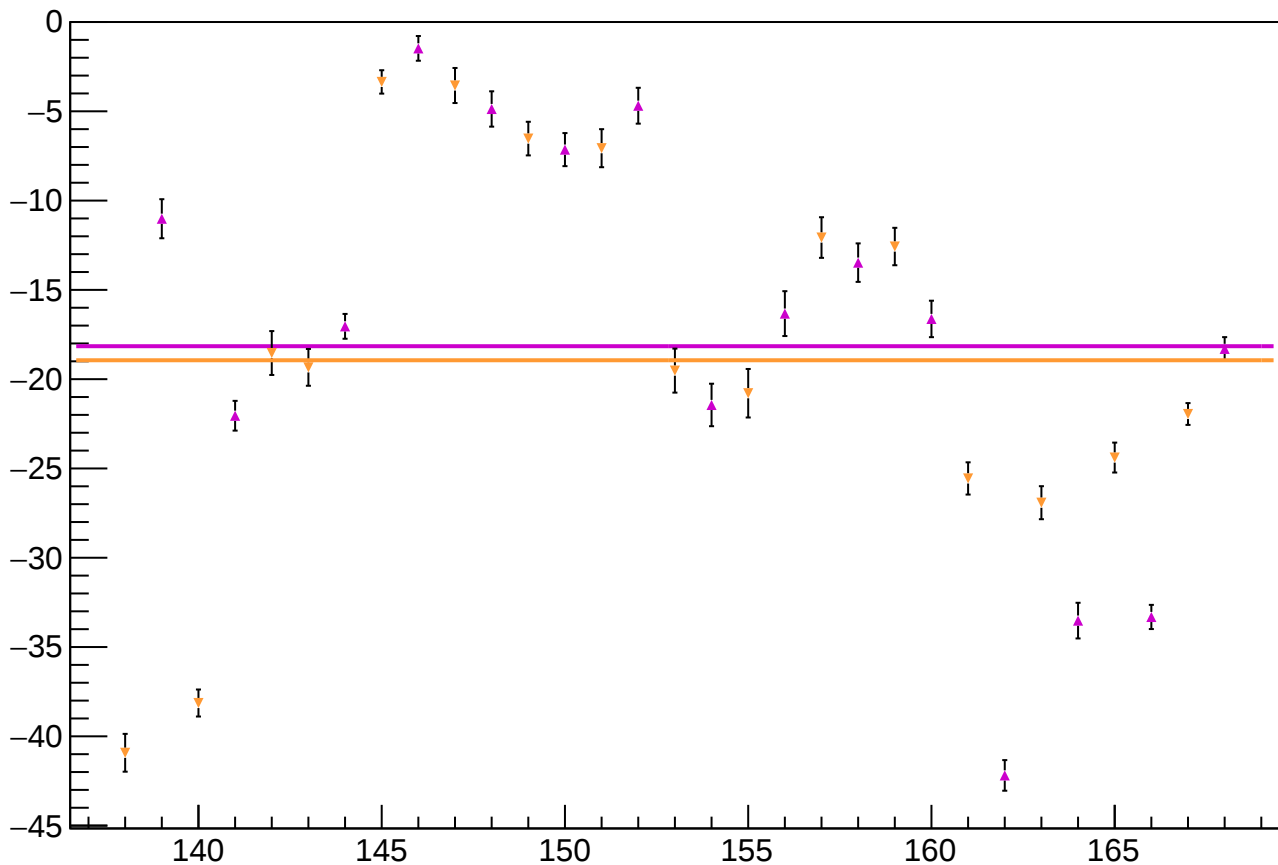
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -0.054 ± 0.007 $\chi^2/\text{NDF}: 718.0/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -0.110 ± 0.007 $\chi^2/\text{NDF}: 1361.2/14$

Left: -0.082 ± 0.005 $\chi^2/\text{NDF}: 2107.2/30$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -0.110 ± 0.007 $\chi^2/\text{NDF}: 1361.2/14$
 Out: -0.054 ± 0.007 $\chi^2/\text{NDF}: 718.0/15$

All: -0.082 ± 0.005 $\chi^2/\text{NDF}: 2107.2/30$

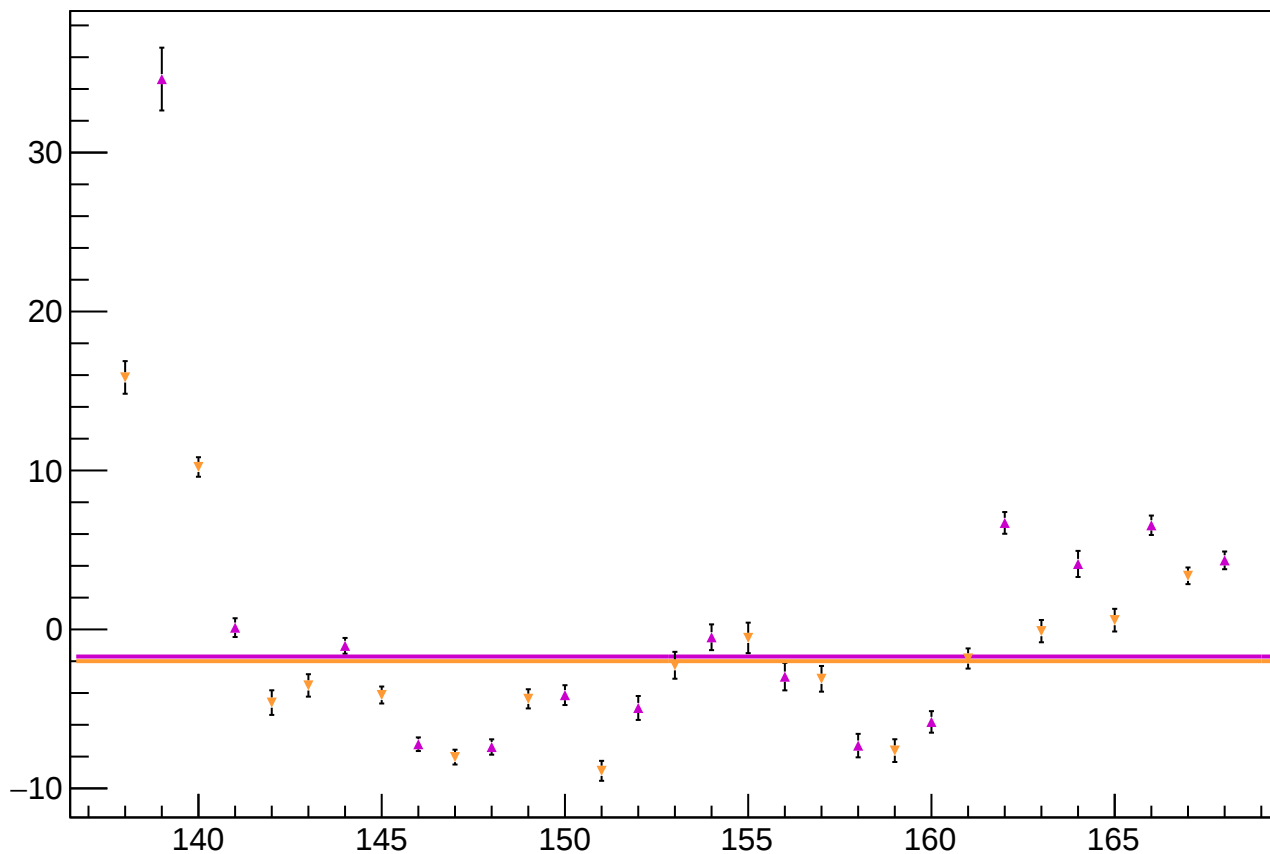
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -18.941 ± 0.229 χ^2/NDF : 2455.1/15
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -18.154 ± 0.226 χ^2/NDF : 2704.6/14

Left: -18.541 ± 0.161 χ^2/NDF : 5165.6/30
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -18.154 ± 0.226 χ^2/NDF : 2704.6/14
 Out: -18.941 ± 0.229 χ^2/NDF : 2455.1/15
 All: -18.541 ± 0.161 χ^2/NDF : 5165.6/30

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



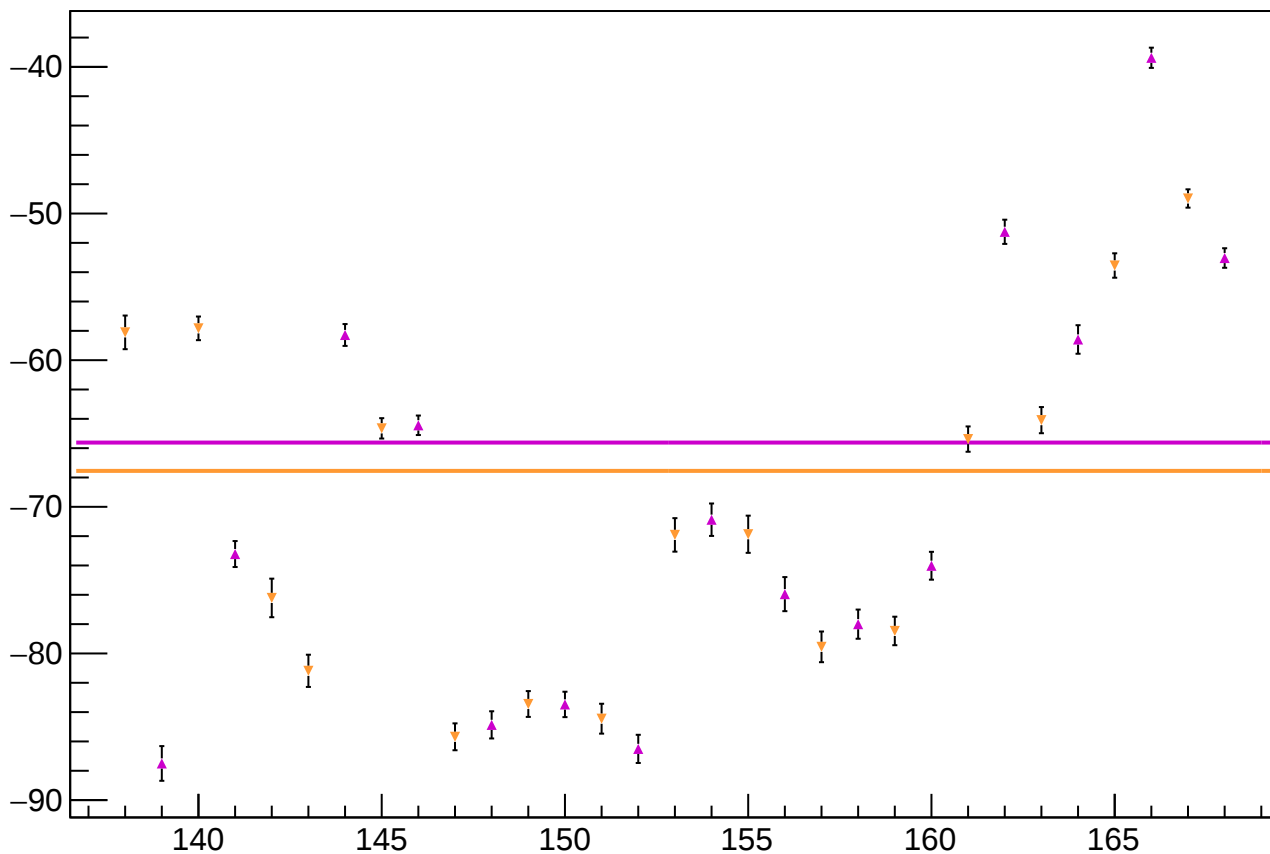
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.996+/-0.165 χ^2/NDF :1224.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.704+/-0.163 χ^2/NDF :1287.9/14

Left: -1.849+/-0.116 χ^2/NDF : 2513.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.704+/-0.163 χ^2/NDF :1287.9/14
 Out: -1.996+/-0.165 χ^2/NDF :1224.3/15

All: -1.849+/-0.116 χ^2/NDF : 2513.8/30

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: -67.550+/-0.228 χ^2/NDF :2892.3/15

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

Left In: -65.619+/-0.223 χ^2/NDF :4339.1/14

Left: -66.560+/-0.159 χ^2/NDF : 7268.0/30

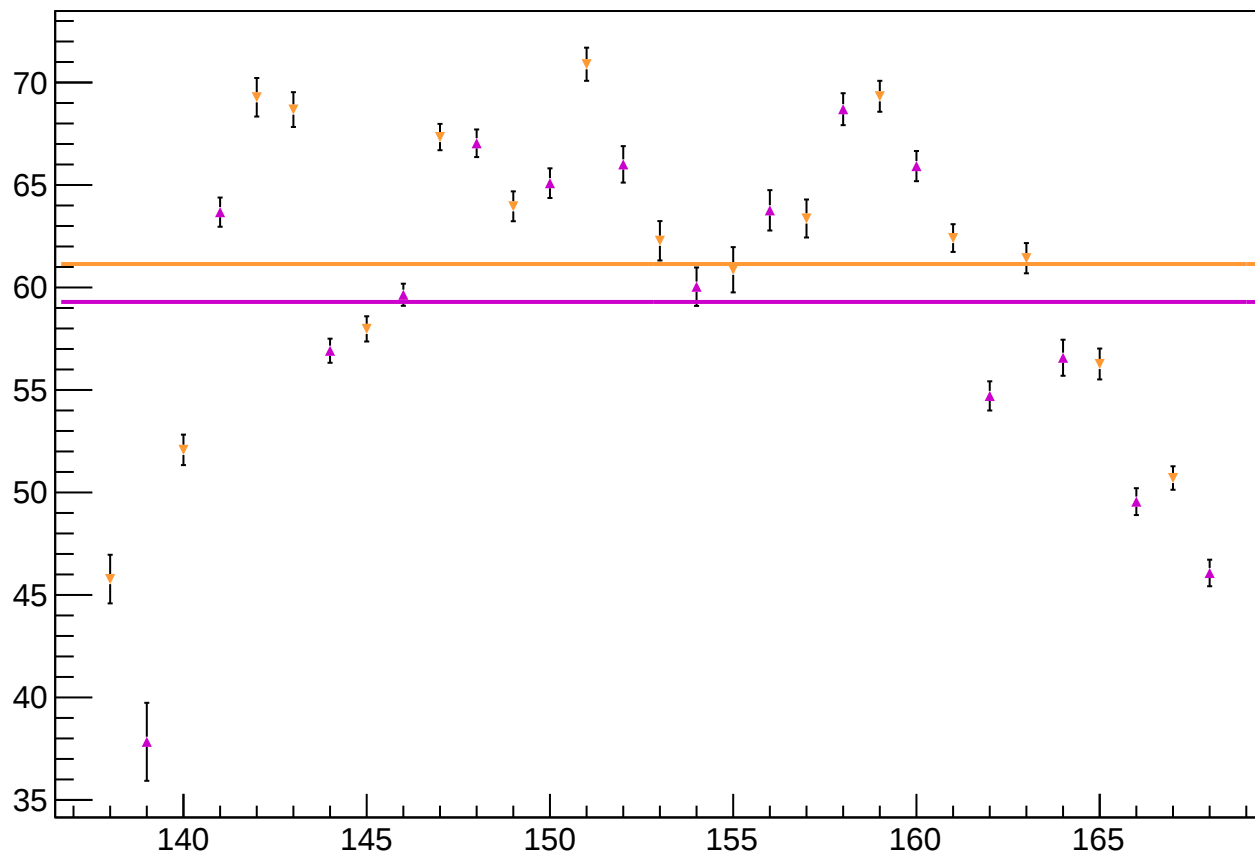
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.619+/-0.223 χ^2/NDF :4339.1/14

Out: -67.550+/-0.228 χ^2/NDF :2892.3/15

All: -66.560+/-0.159 χ^2/NDF : 7268.0/30

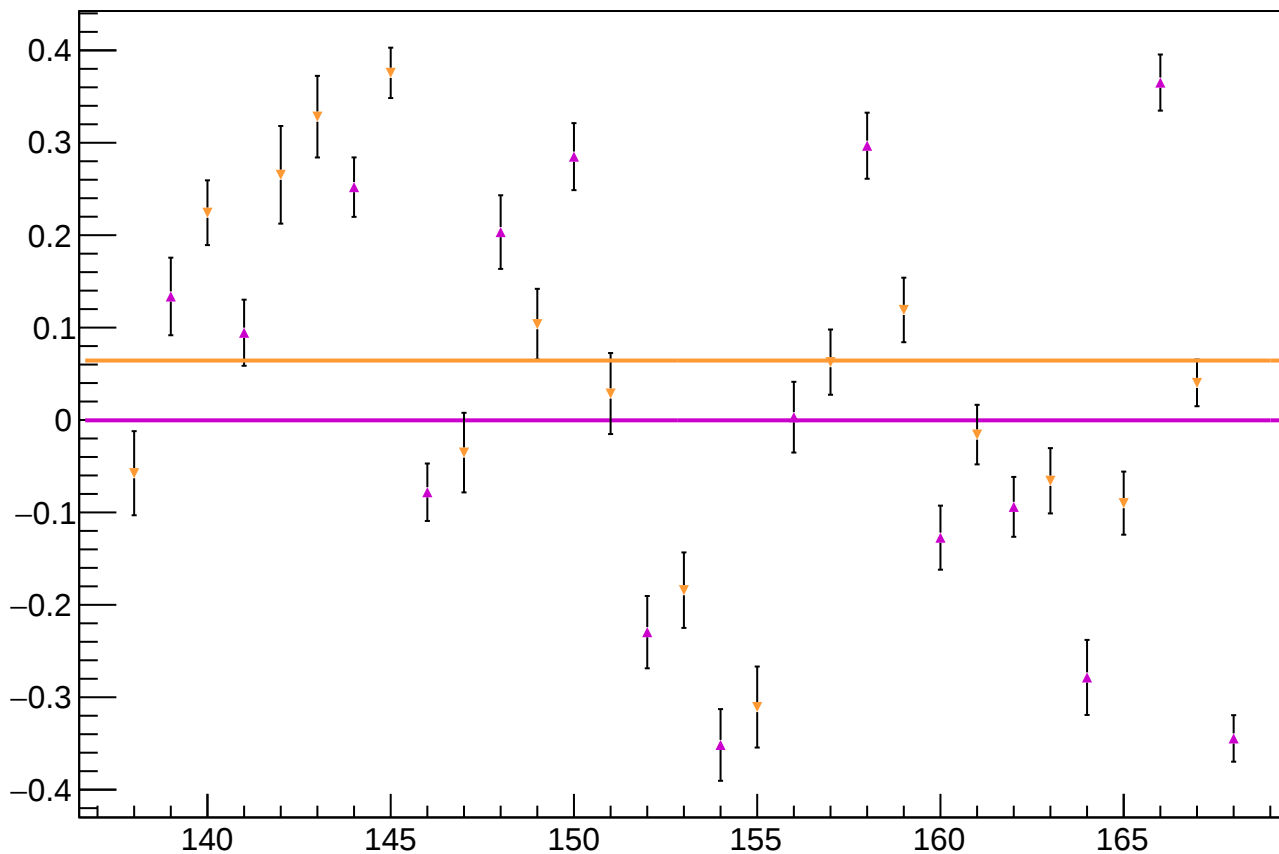
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 61.145+/-0.192 χ^2/NDF :1252.6/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 59.295+/-0.190 χ^2/NDF :1371.2/14

Left: 60.213+/-0.135 χ^2/NDF : 2670.7/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 59.295+/-0.190 χ^2/NDF :1371.2/14
 Out: 61.145+/-0.192 χ^2/NDF :1252.6/15
 All: 60.213+/-0.135 χ^2/NDF : 2670.7/30

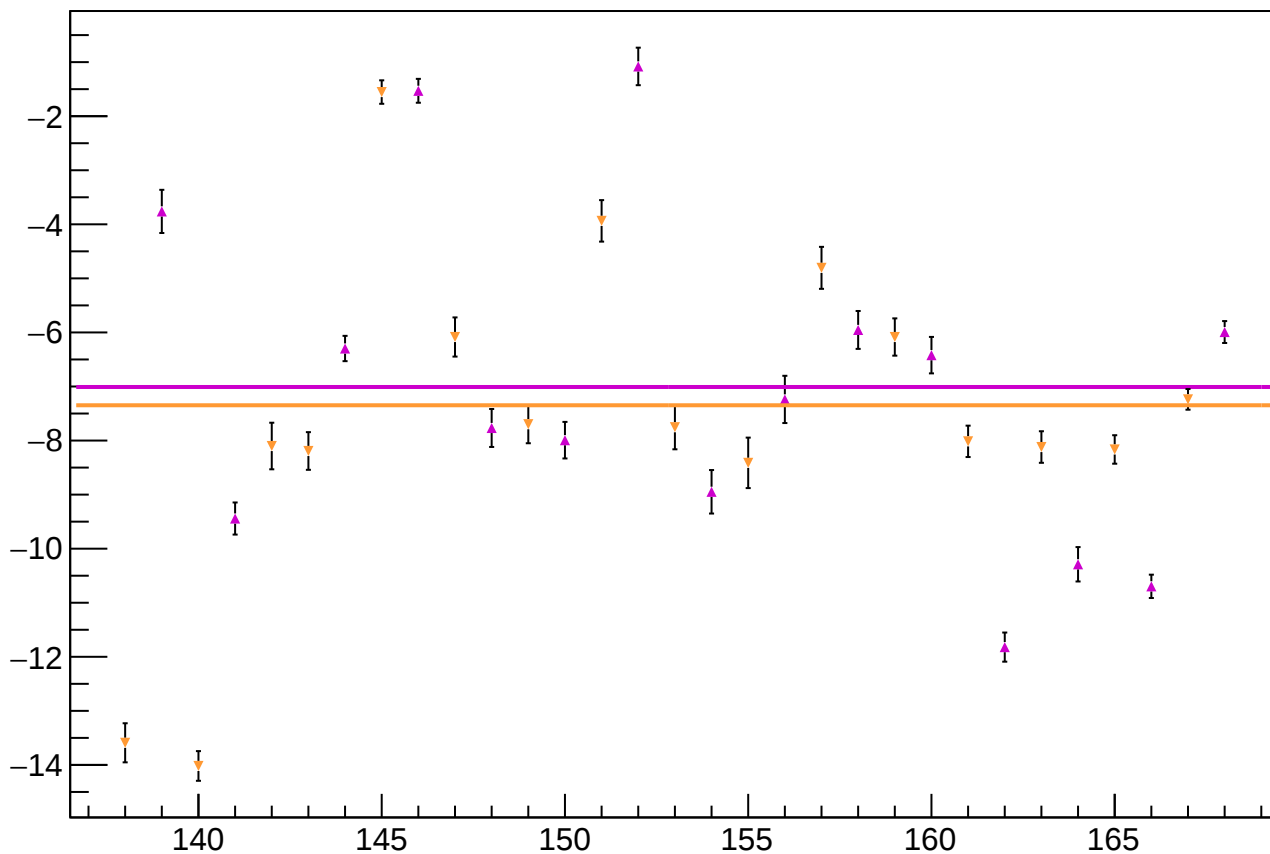
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.064 $\pm$ 0.009 χ^2 /NDF:369.5/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.000 $\pm$ 0.009 χ^2 /NDF:759.1/14

Left: 0.032 $\pm$ 0.006 χ^2 /NDF: 1154.5/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.000 $\pm$ 0.009 χ^2 /NDF:759.1/14
 Out: 0.064 $\pm$ 0.009 χ^2 /NDF:369.5/15
 All: 0.032 $\pm$ 0.006 χ^2 /NDF: 1154.5/30

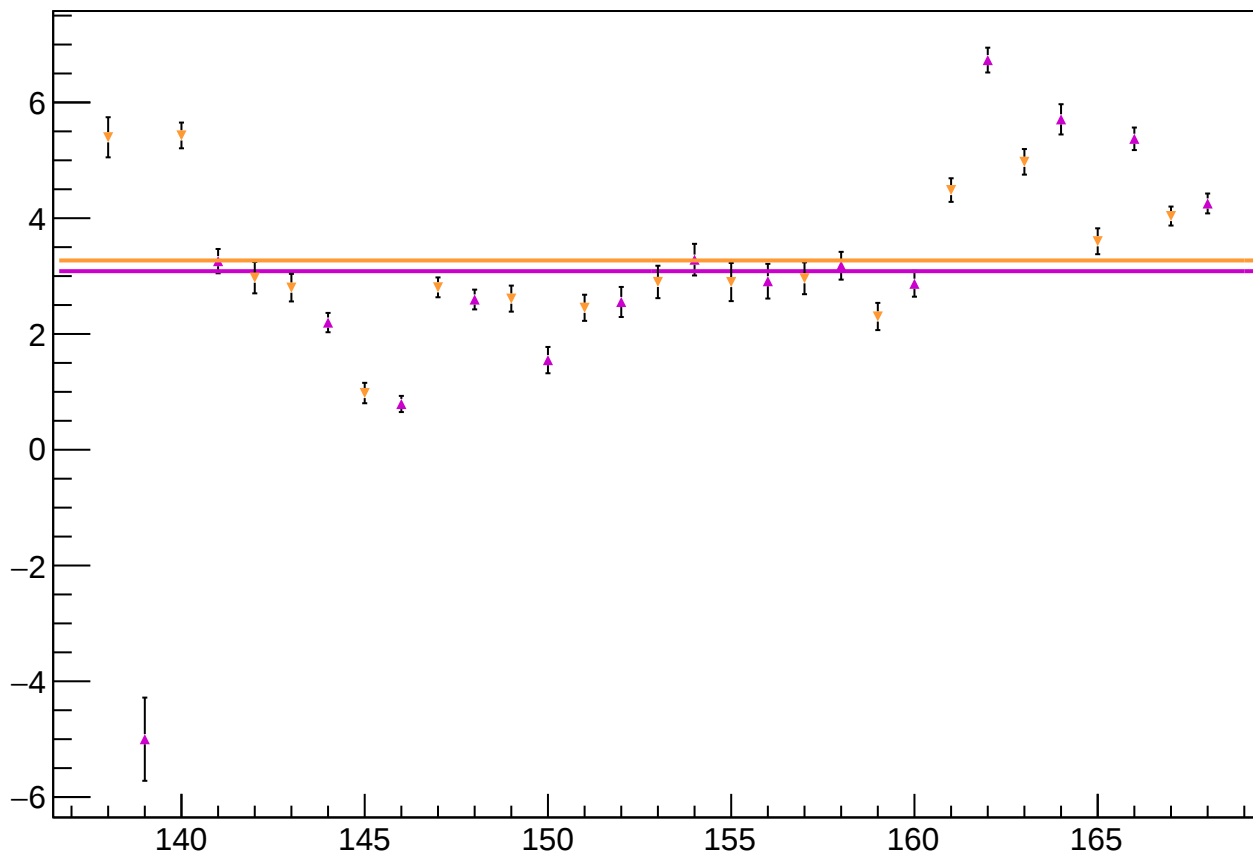
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.347+/-0.077 χ^2/NDF :1787.0/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.009+/-0.075 χ^2/NDF :1840.7/14

Left: -7.173+/-0.054 χ^2/NDF : 3637.7/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.009+/-0.075 χ^2/NDF :1840.7/14
 Out: -7.347+/-0.077 χ^2/NDF :1787.0/15
 All: -7.173+/-0.054 χ^2/NDF : 3637.7/30

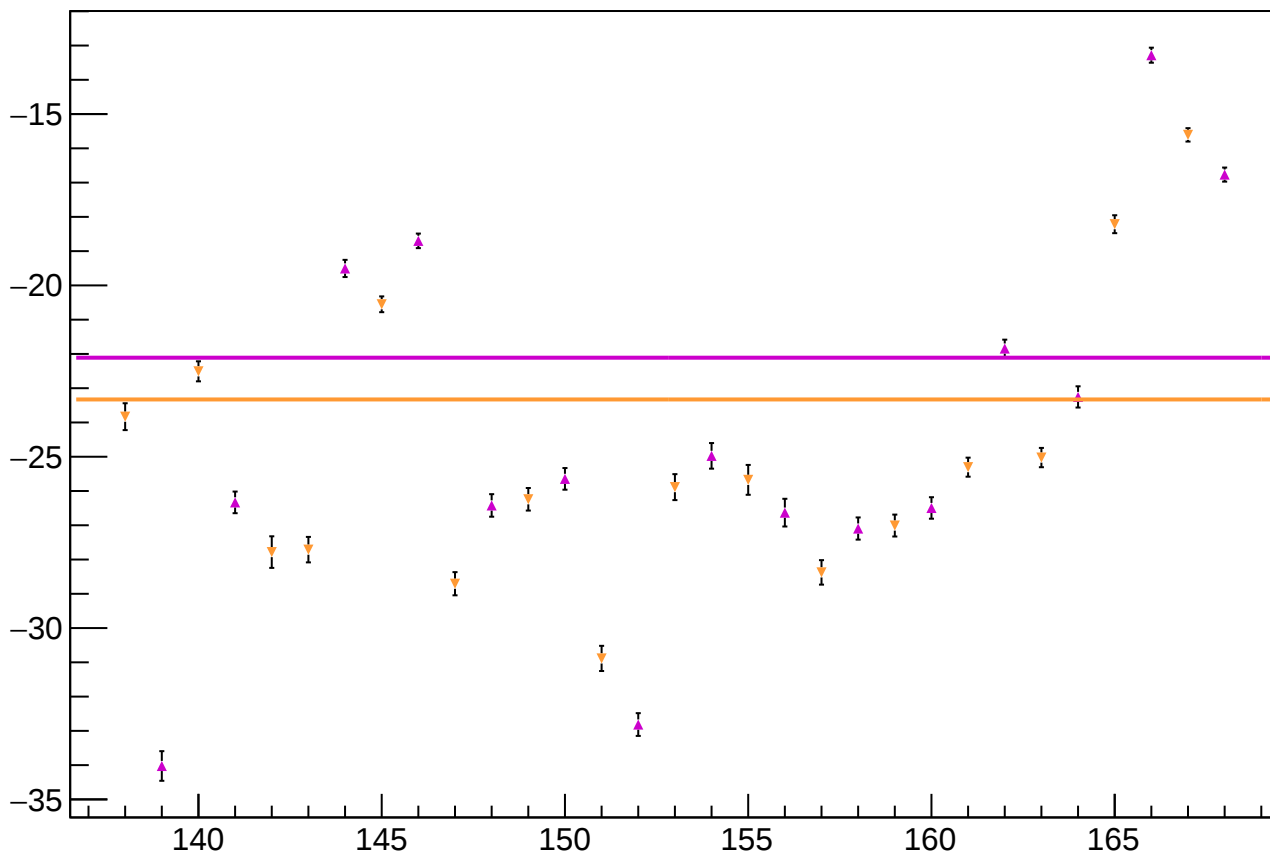
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 3.270 $\pm$ 0.056 χ^2/NDF :475.3/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 3.085 $\pm$ 0.054 χ^2/NDF :1059.9/14

Left: 3.175 $\pm$ 0.039 χ^2/NDF : 1540.9/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 3.085 $\pm$ 0.054 χ^2/NDF :1059.9/14
 Out: 3.270 $\pm$ 0.056 χ^2/NDF :475.3/15
 All: 3.175 $\pm$ 0.039 χ^2/NDF : 1540.9/30

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: -23.328+/-0.077 χ^2/NDF :3573.9/15

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

Left In: -22.110+/-0.074 χ^2/NDF :5562.3/14

Left: -22.695+/-0.053 χ^2/NDF : 9267.8/30

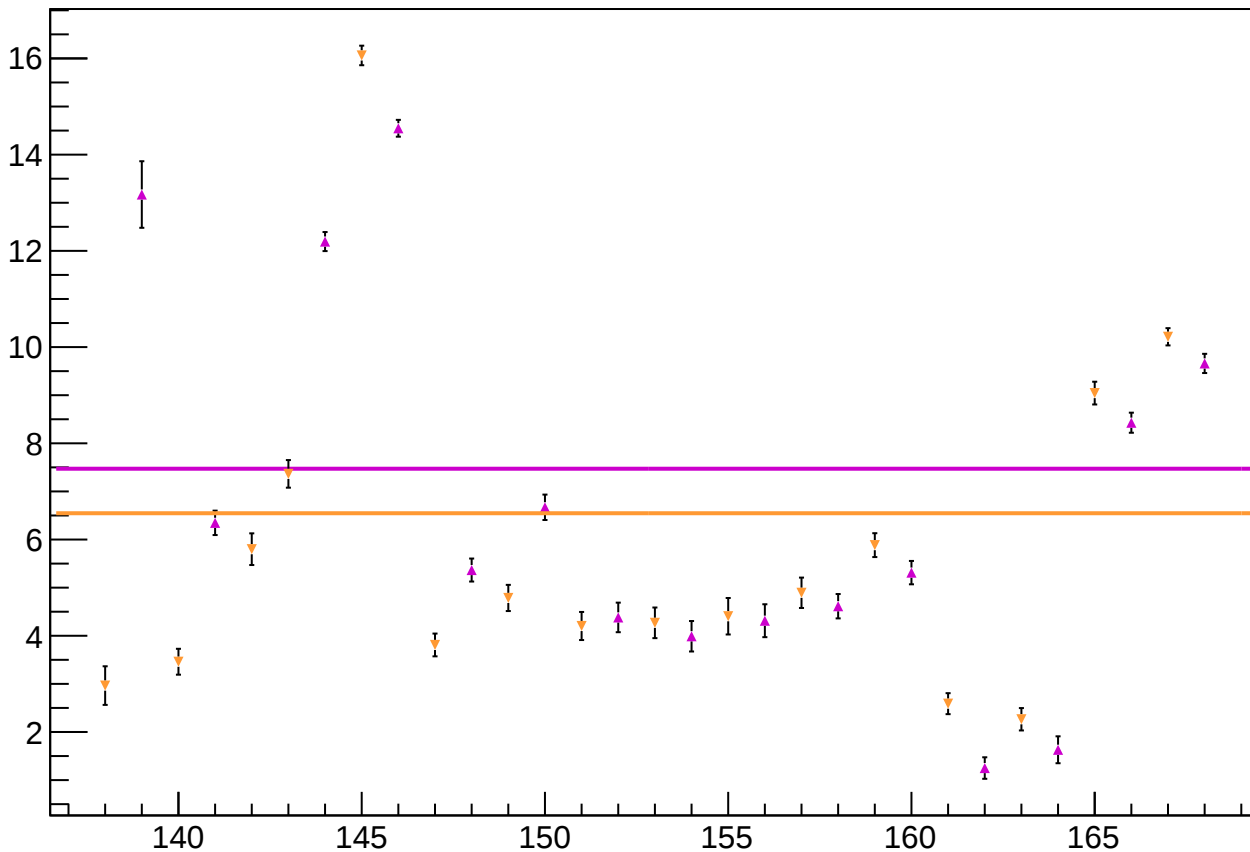
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -22.110+/-0.074 χ^2/NDF :5562.3/14

Out: -23.328+/-0.077 χ^2/NDF :3573.9/15

All: -22.695+/-0.053 χ^2/NDF : 9267.8/30

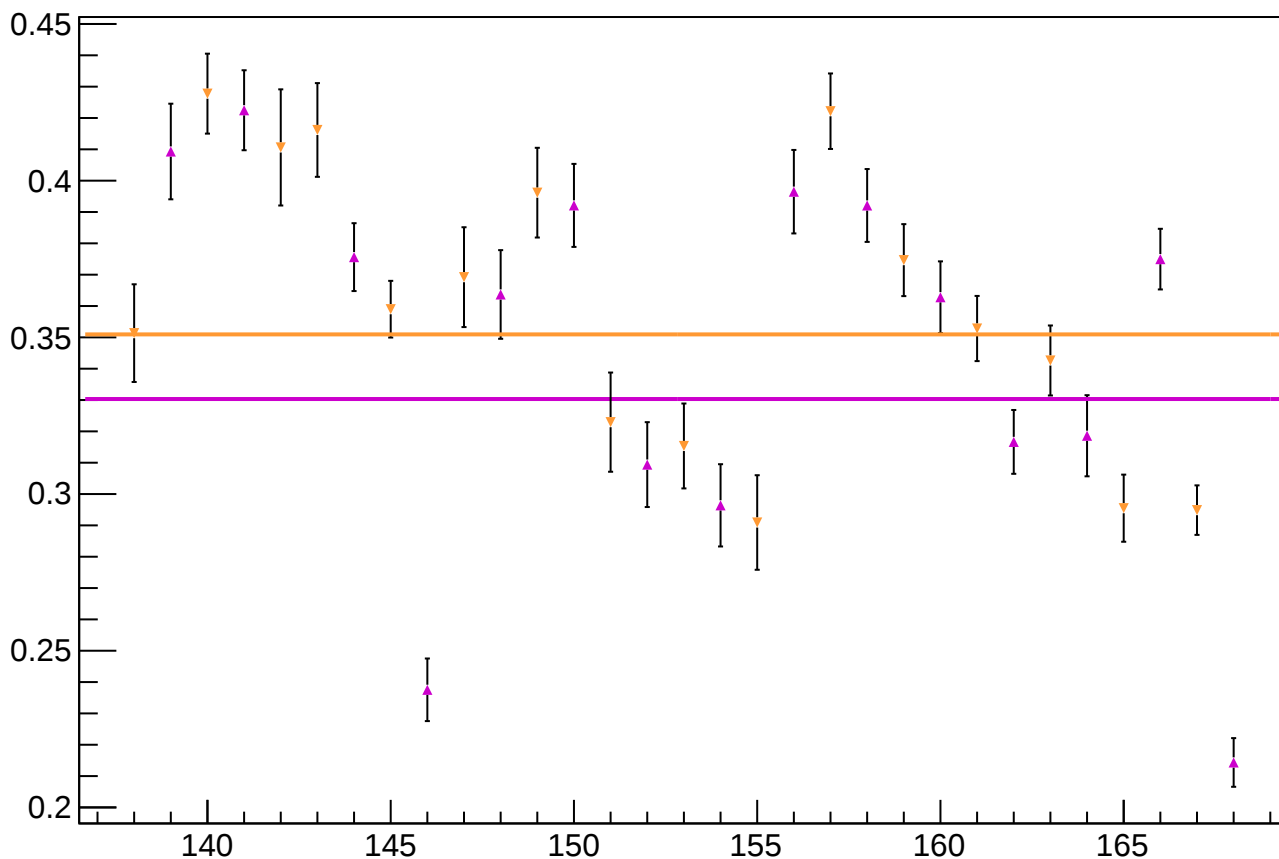
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.547+/-0.065 χ^2/NDF :3972.8/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.472+/-0.063 χ^2/NDF :4246.0/14

Left: 7.019+/-0.045 χ^2/NDF : 8323.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.472+/-0.063 χ^2/NDF :4246.0/14
 Out: 6.547+/-0.065 χ^2/NDF :3972.8/15
 All: 7.019+/-0.045 χ^2/NDF : 8323.8/30

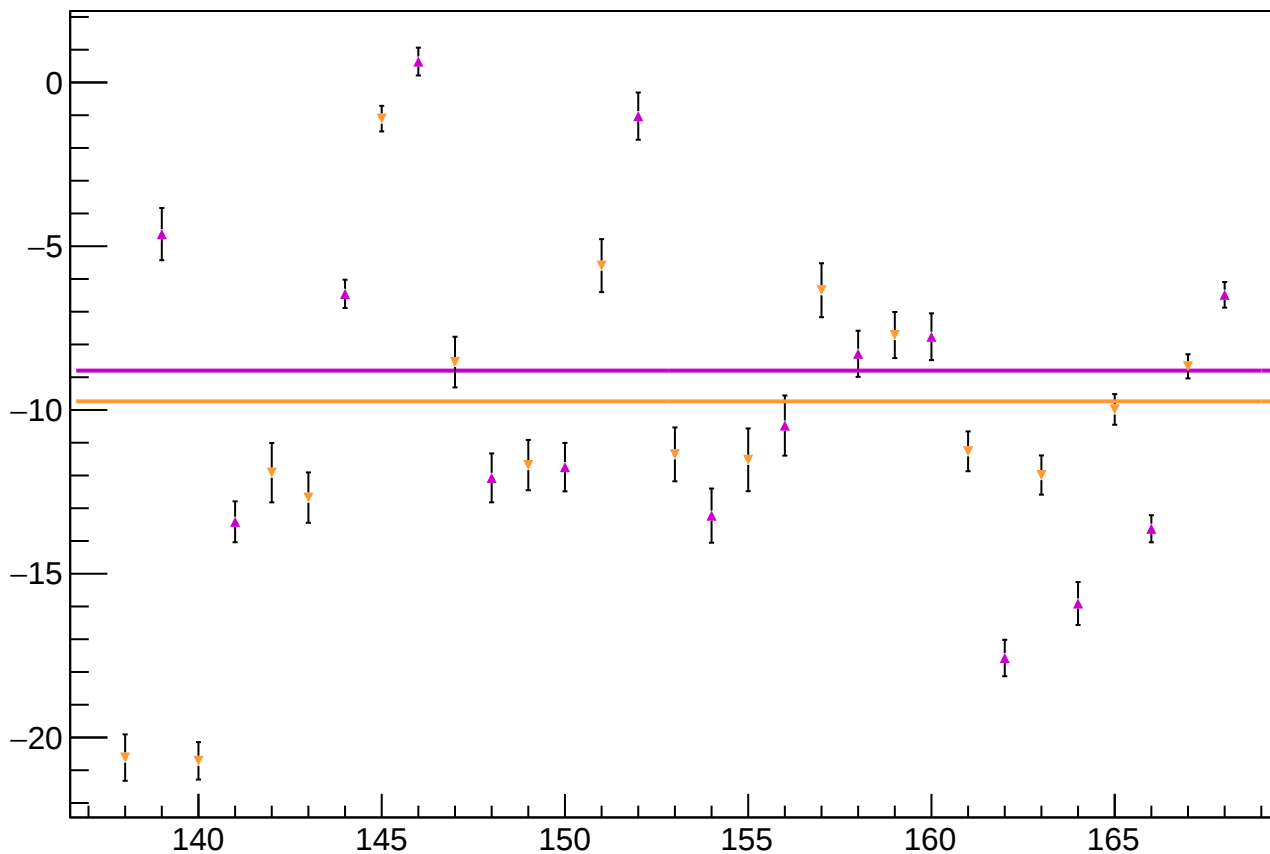
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.351 $\pm$ 0.003 χ^2/NDF :220.6/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 0.330 $\pm$ 0.003 χ^2/NDF :526.9/14

Left: 0.340 $\pm$ 0.002 χ^2/NDF : 771.2/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 0.330 $\pm$ 0.003 χ^2/NDF :526.9/14
 Out: 0.351 $\pm$ 0.003 χ^2/NDF :220.6/15
 All: 0.340 $\pm$ 0.002 χ^2/NDF : 771.2/30

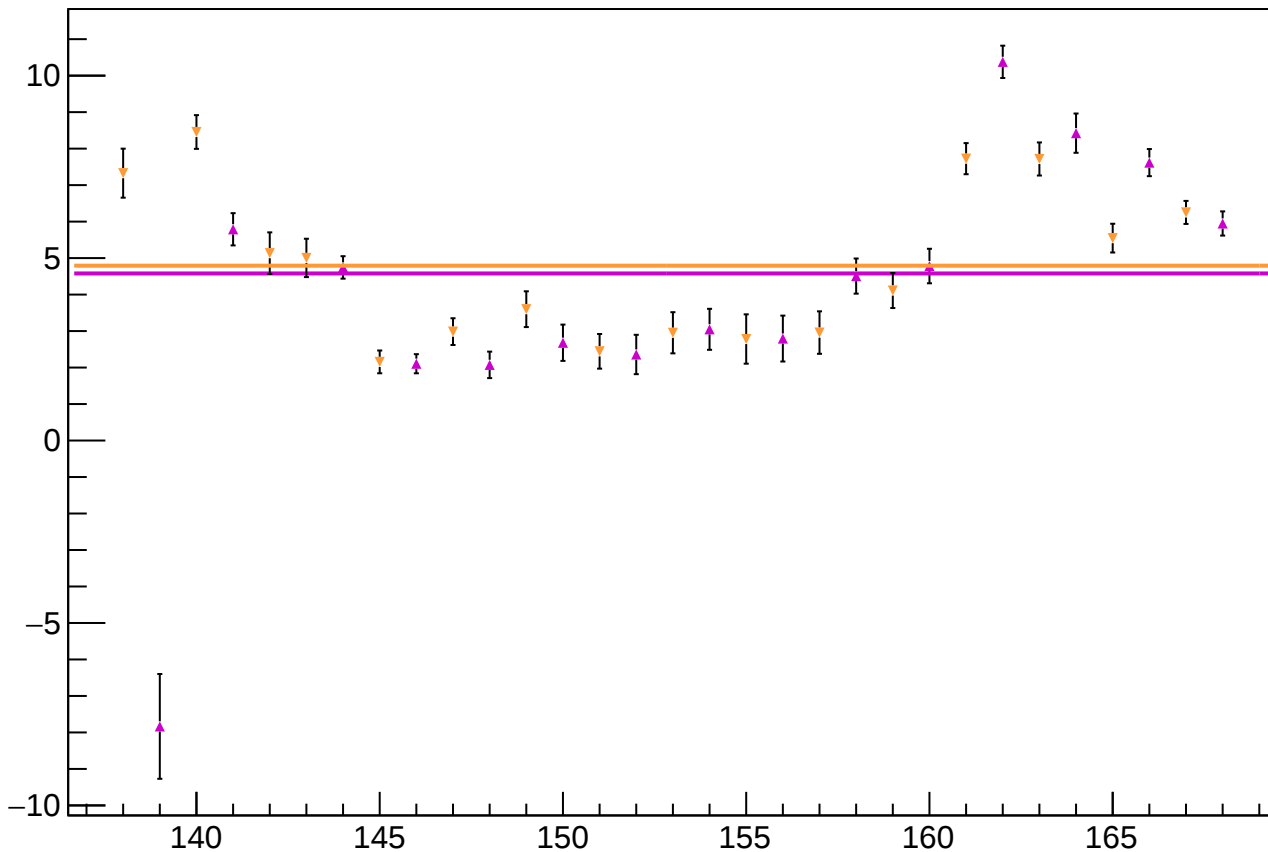
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.737+/-0.153 χ^2/NDF :1211.5/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.798+/-0.149 χ^2/NDF :1329.6/14

Left: -9.255+/-0.107 χ^2/NDF : 2560.5/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.798+/-0.149 χ^2/NDF :1329.6/14
 Out: -9.737+/-0.153 χ^2/NDF :1211.5/15
 All: -9.255+/-0.107 χ^2/NDF : 2560.5/30

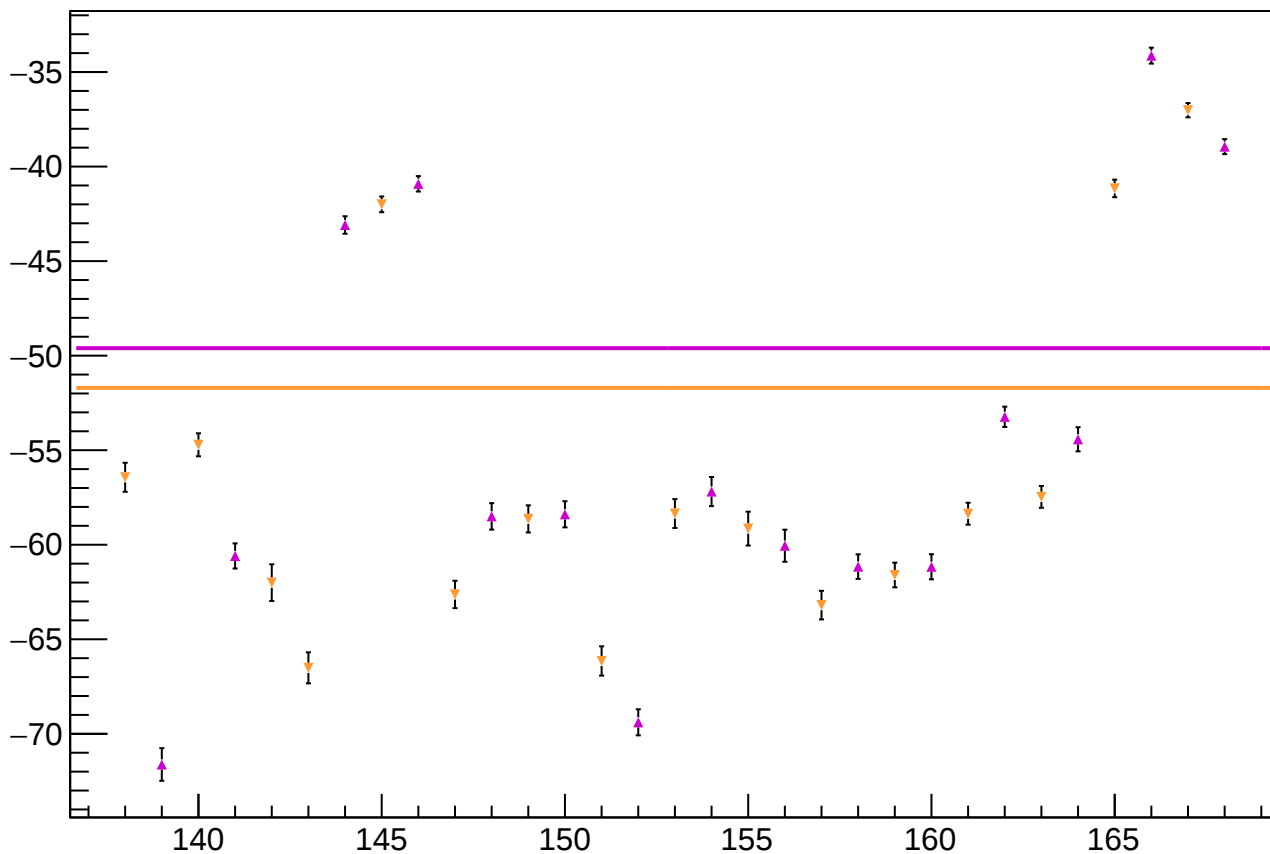
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.792 $\pm$ 0.112 χ^2 /NDF:349.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.579 $\pm$ 0.108 χ^2 /NDF:572.8/14

Left: 4.682 $\pm$ 0.078 χ^2 /NDF: 923.7/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.579 $\pm$ 0.108 χ^2 /NDF:572.8/14
 Out: 4.792 $\pm$ 0.112 χ^2 /NDF:349.1/15
 All: 4.682 $\pm$ 0.078 χ^2 /NDF: 923.7/30

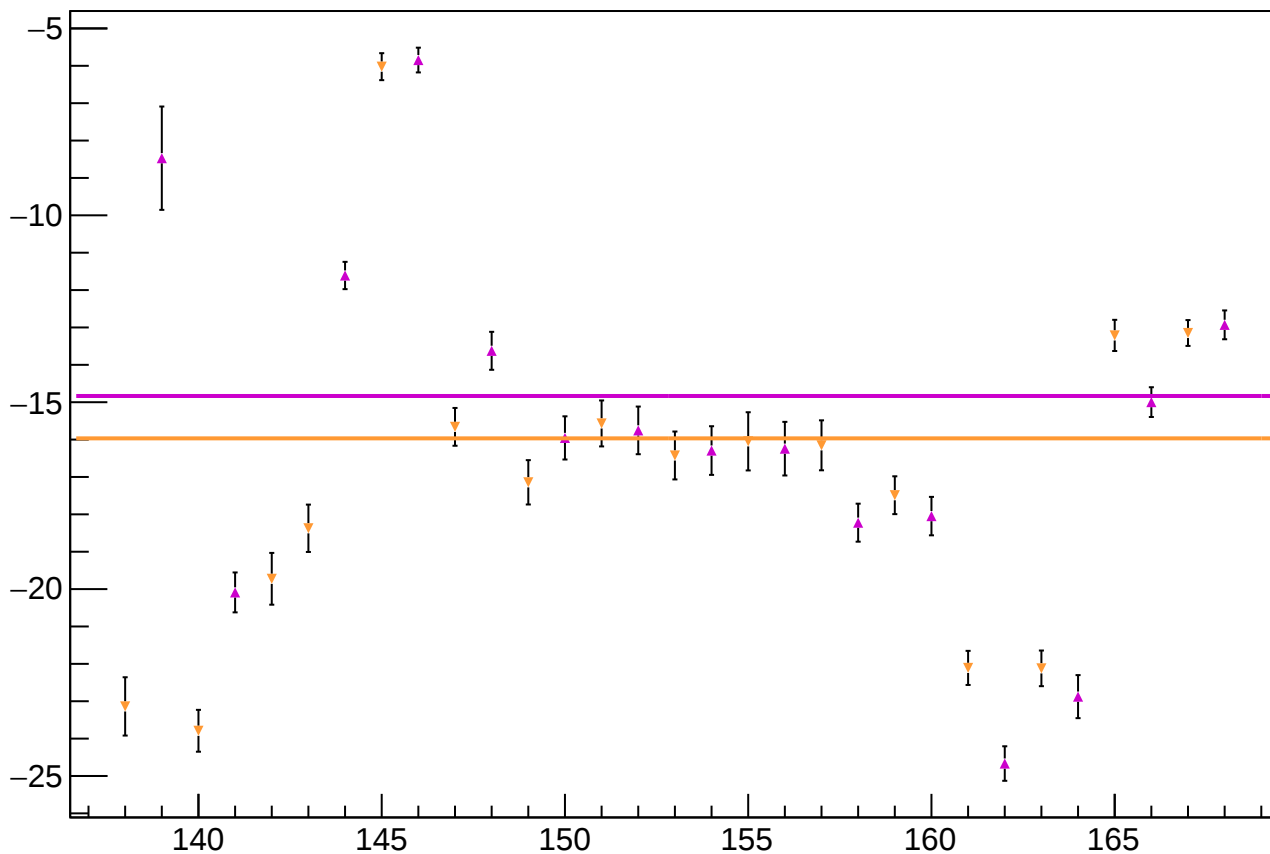
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -51.704+/-0.153 χ^2/NDF : 4582.8/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -49.604+/-0.147 χ^2/NDF : 5768.0/14

Left: -50.616+/-0.106 χ^2/NDF : 10449.0/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -49.604+/-0.147 χ^2/NDF : 5768.0/14
 Out: -51.704+/-0.153 χ^2/NDF : 4582.8/15
 All: -50.616+/-0.106 χ^2/NDF : 10449.0/30

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: -15.967+/-0.129 χ^2/NDF :1555.2/15

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

Left In: -14.833+/-0.126 χ^2/NDF :1709.5/14

Left: -15.388+/-0.090 χ^2/NDF : 3304.2/30

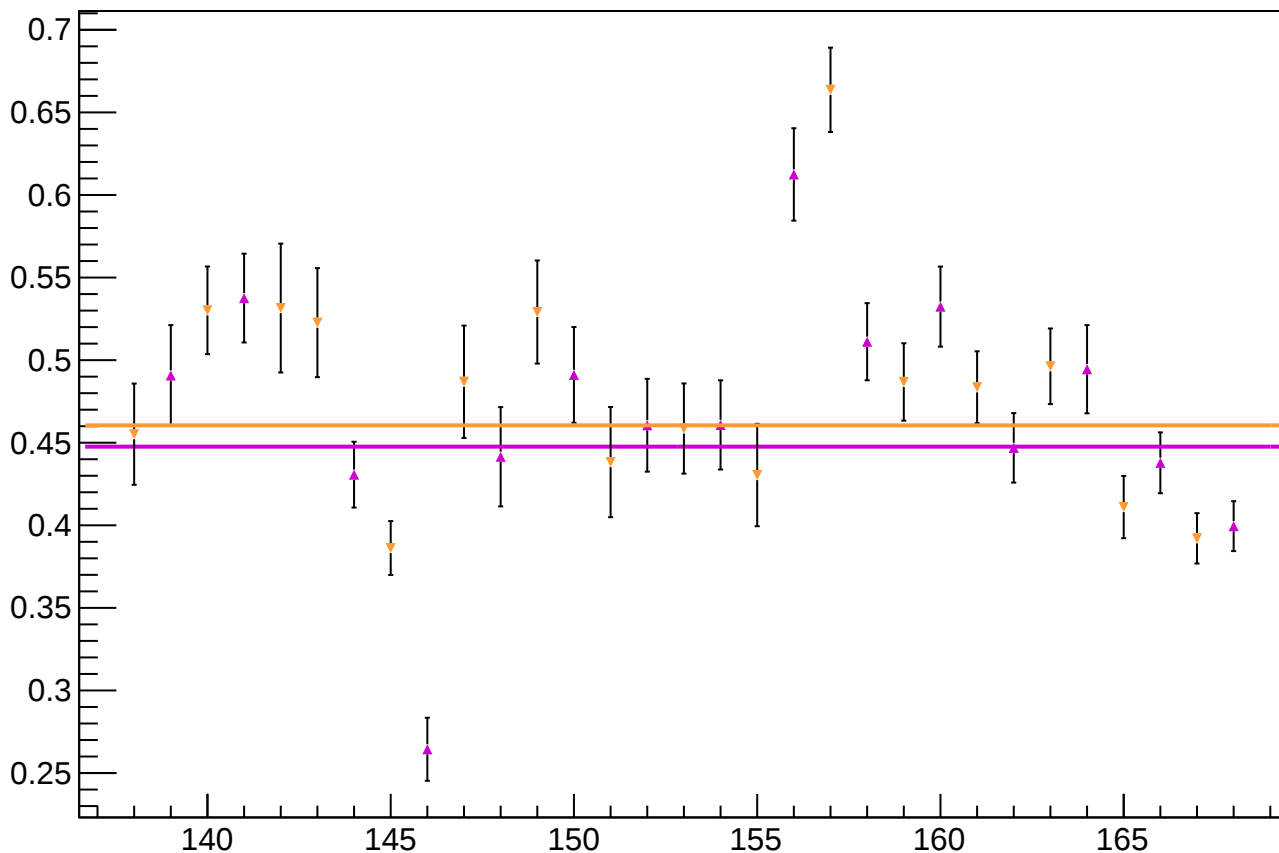
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.833+/-0.126 χ^2/NDF :1709.5/14

Out: -15.967+/-0.129 χ^2/NDF :1555.2/15

All: -15.388+/-0.090 χ^2/NDF : 3304.2/30

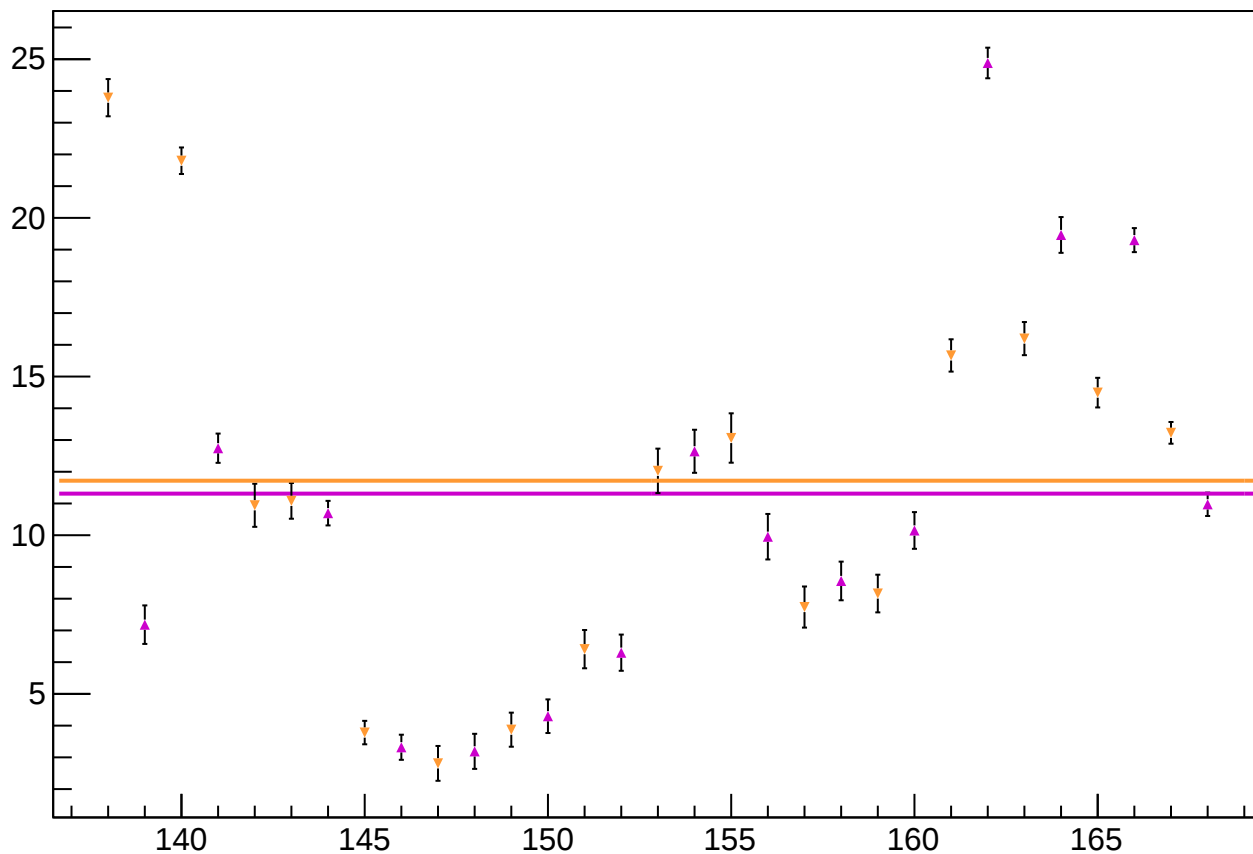
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.461 $\pm$ 0.006 χ^2 /NDF:136.5/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.448 $\pm$ 0.006 χ^2 /NDF:176.7/14

Left: 0.454 $\pm$ 0.004 χ^2 /NDF: 315.5/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.448 $\pm$ 0.006 χ^2 /NDF:176.7/14
 Out: 0.461 $\pm$ 0.006 χ^2 /NDF:136.5/15
 All: 0.454 $\pm$ 0.004 χ^2 /NDF: 315.5/30

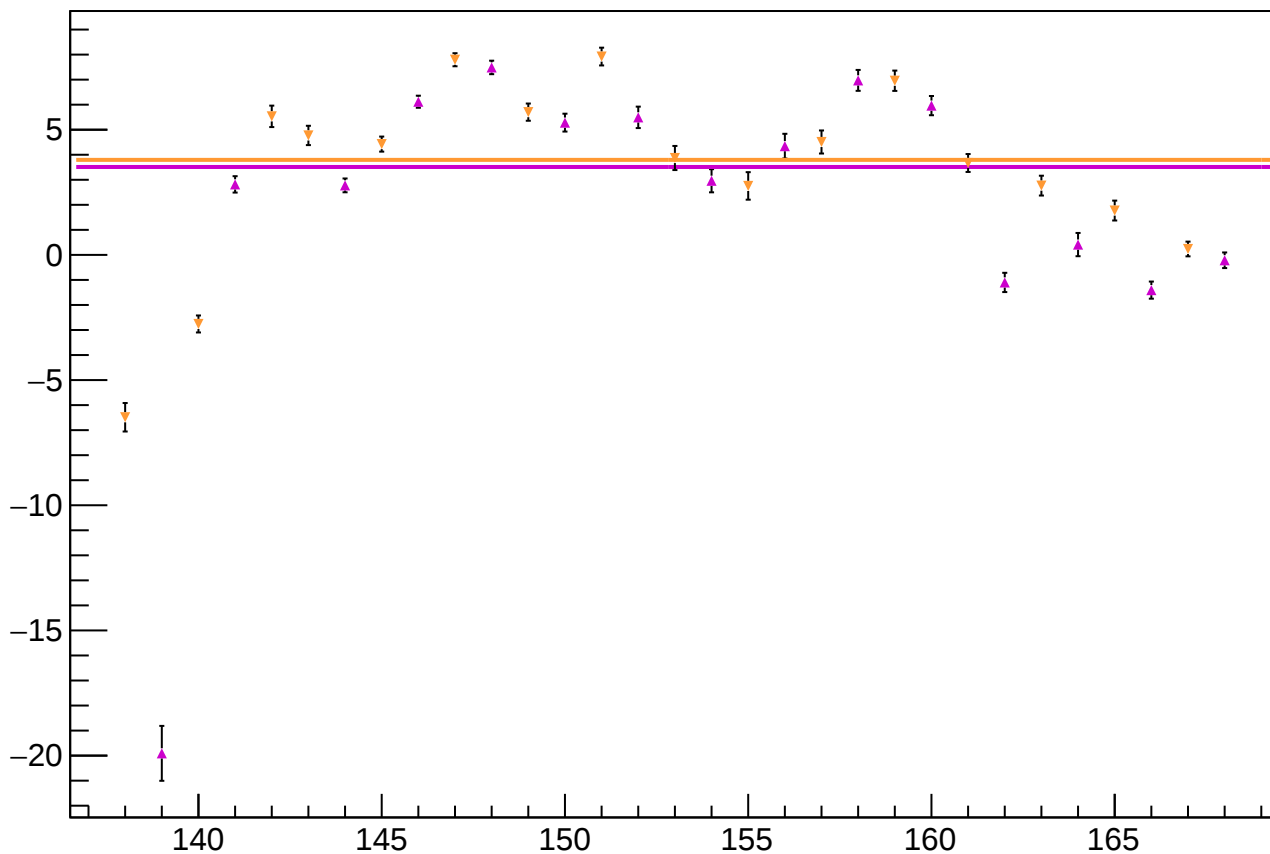
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 11.718+/-0.129 χ^2/NDF :2287.9/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 11.311+/-0.127 χ^2/NDF :2413.5/14

Left: 11.512+/-0.090 χ^2/NDF : 4706.5/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 11.311+/-0.127 χ^2/NDF :2413.5/14
 Out: 11.718+/-0.129 χ^2/NDF :2287.9/15
 All: 11.512+/-0.090 χ^2/NDF : 4706.5/30

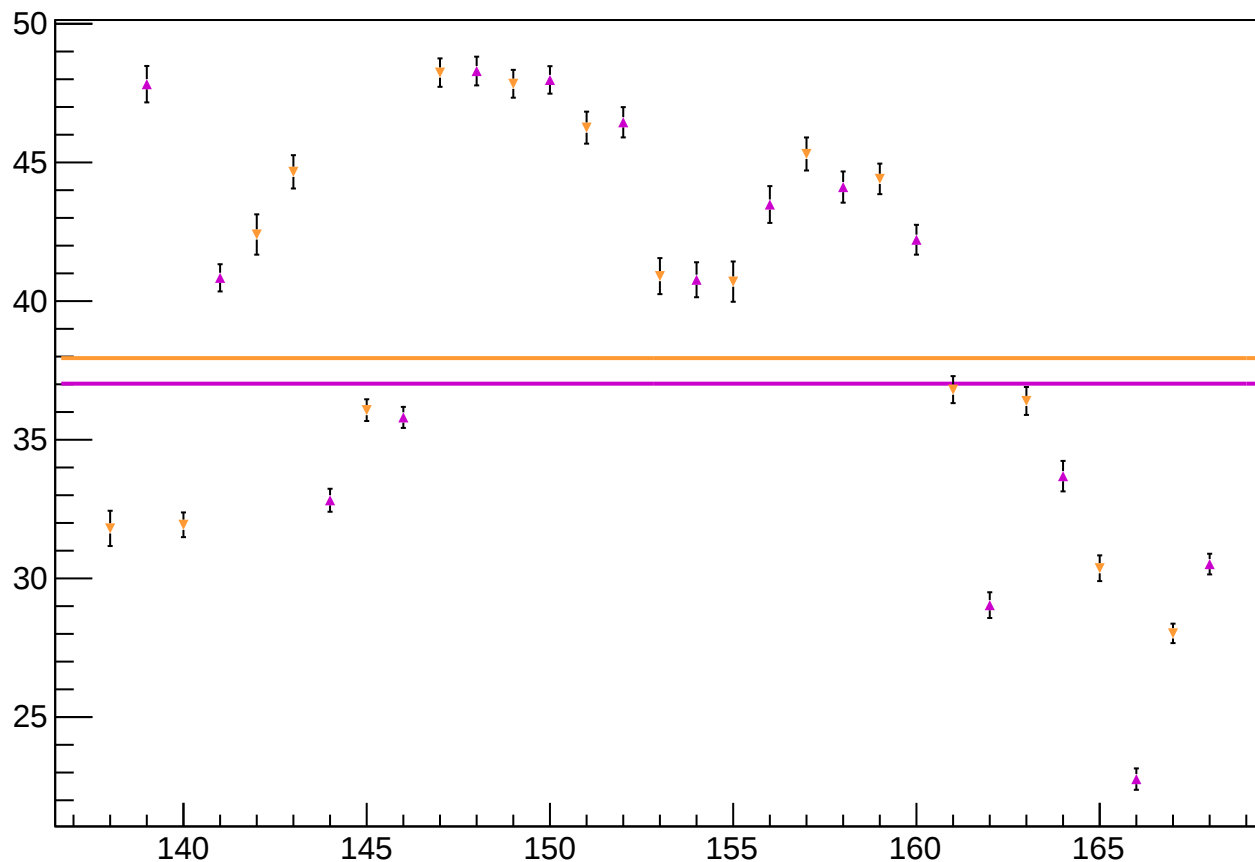
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.796+/-0.093 χ^2/NDF :1373.6/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.511+/-0.092 χ^2/NDF :1499.8/14

Left: 3.652+/-0.065 χ^2/NDF : 2878.1/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.511+/-0.092 χ^2/NDF :1499.8/14
 Out: 3.796+/-0.093 χ^2/NDF :1373.6/15
 All: 3.652+/-0.065 χ^2/NDF : 2878.1/30

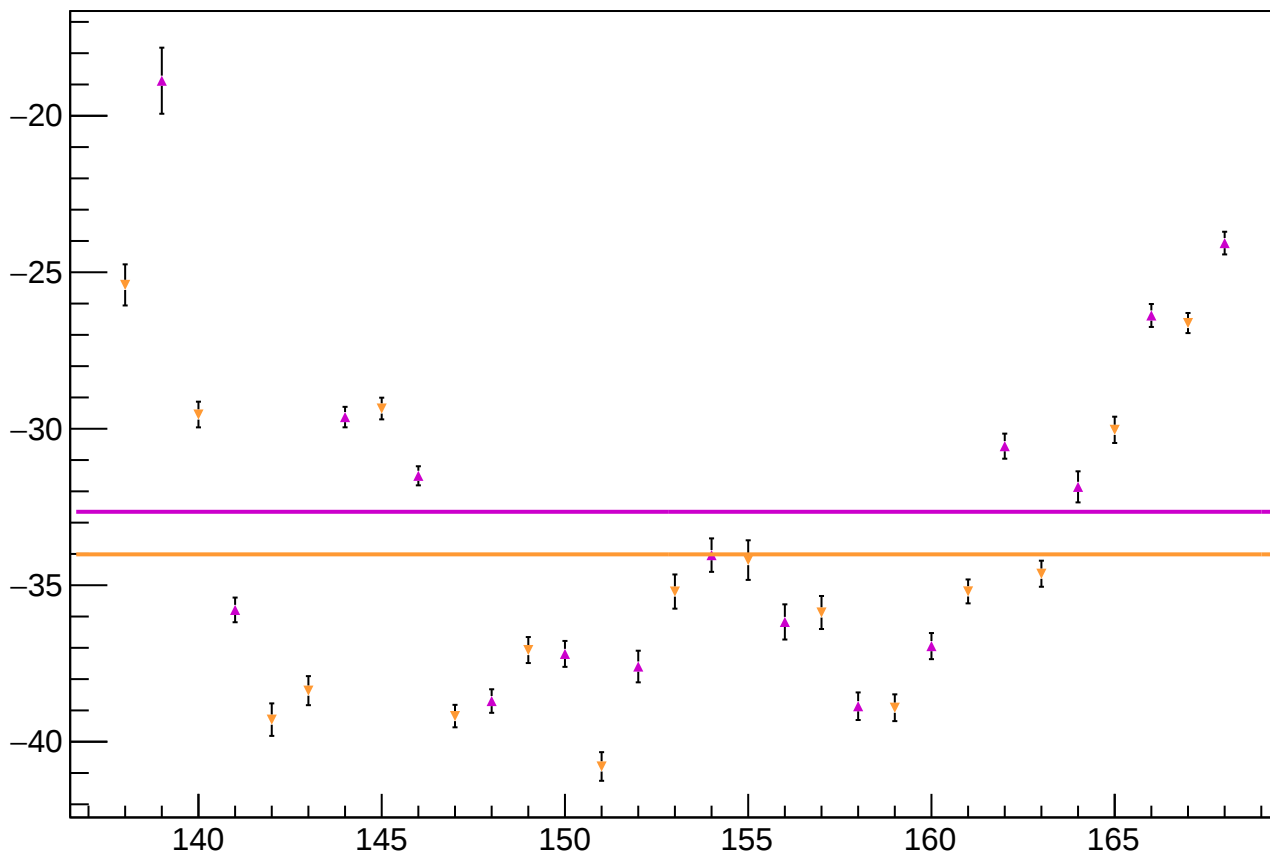
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 37.944 $\pm$ 0.128 χ^2 /NDF:2870.0/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 37.023 $\pm$ 0.125 χ^2 /NDF:4089.4/14

Left: 37.473 $\pm$ 0.090 χ^2 /NDF: 6985.8/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 37.023 $\pm$ 0.125 χ^2 /NDF:4089.4/14
 Out: 37.944 $\pm$ 0.128 χ^2 /NDF:2870.0/15
 All: 37.473 $\pm$ 0.090 χ^2 /NDF: 6985.8/30

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: -34.014+/-0.108 χ^2/NDF :1922.9/15

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

Left In: -32.653+/-0.107 χ^2/NDF :2041.6/14

Left: -33.330+/-0.076 χ^2/NDF : 4044.7/30

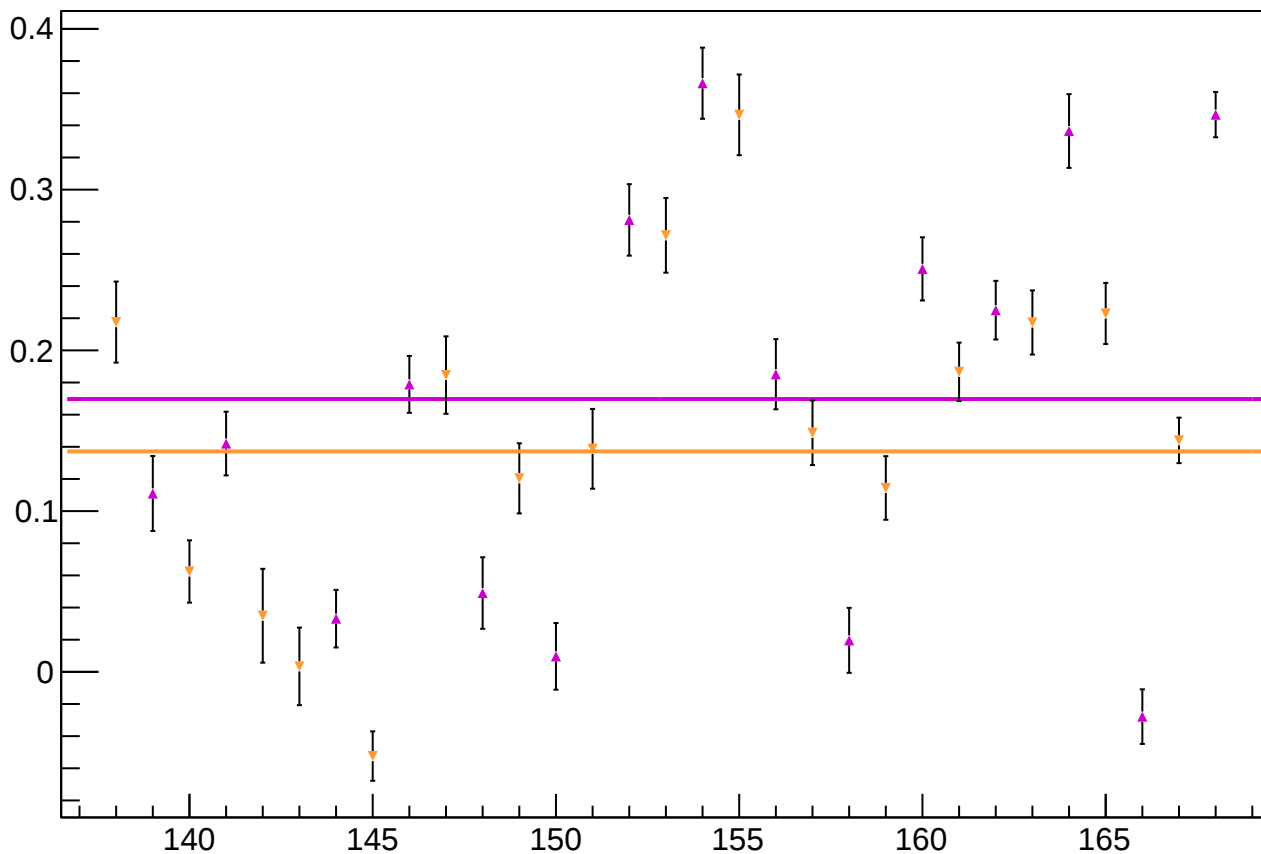
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.653+/-0.107 χ^2/NDF :2041.6/14

Out: -34.014+/-0.108 χ^2/NDF :1922.9/15

All: -33.330+/-0.076 χ^2/NDF : 4044.7/30

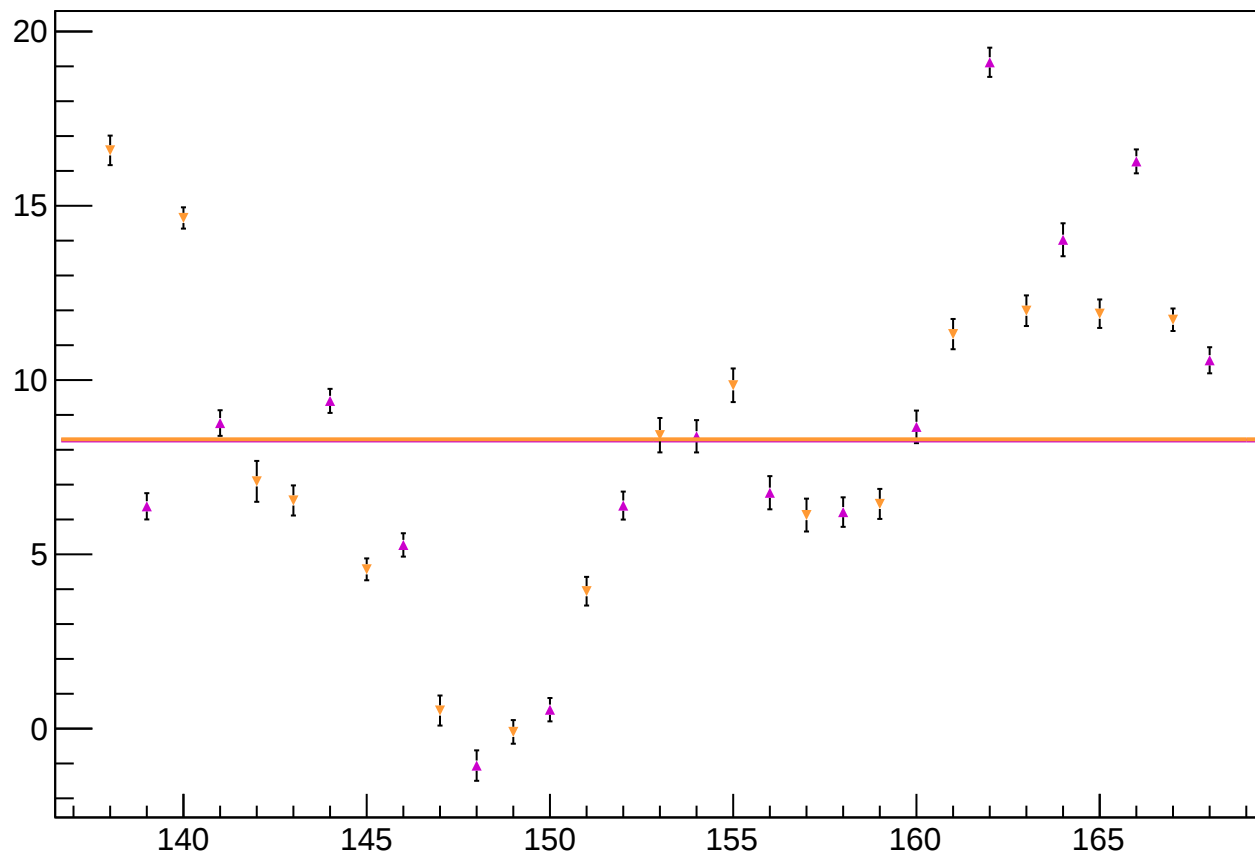
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.137 $\pm$ 0.005 χ^2/NDF :373.1/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 0.170 $\pm$ 0.005 χ^2/NDF :687.3/14

Left: 0.154 $\pm$ 0.004 χ^2/NDF : 1081.2/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 0.170 $\pm$ 0.005 χ^2/NDF :687.3/14
 Out: 0.137 $\pm$ 0.005 χ^2/NDF :373.1/15
 All: 0.154 $\pm$ 0.004 χ^2/NDF : 1081.2/30

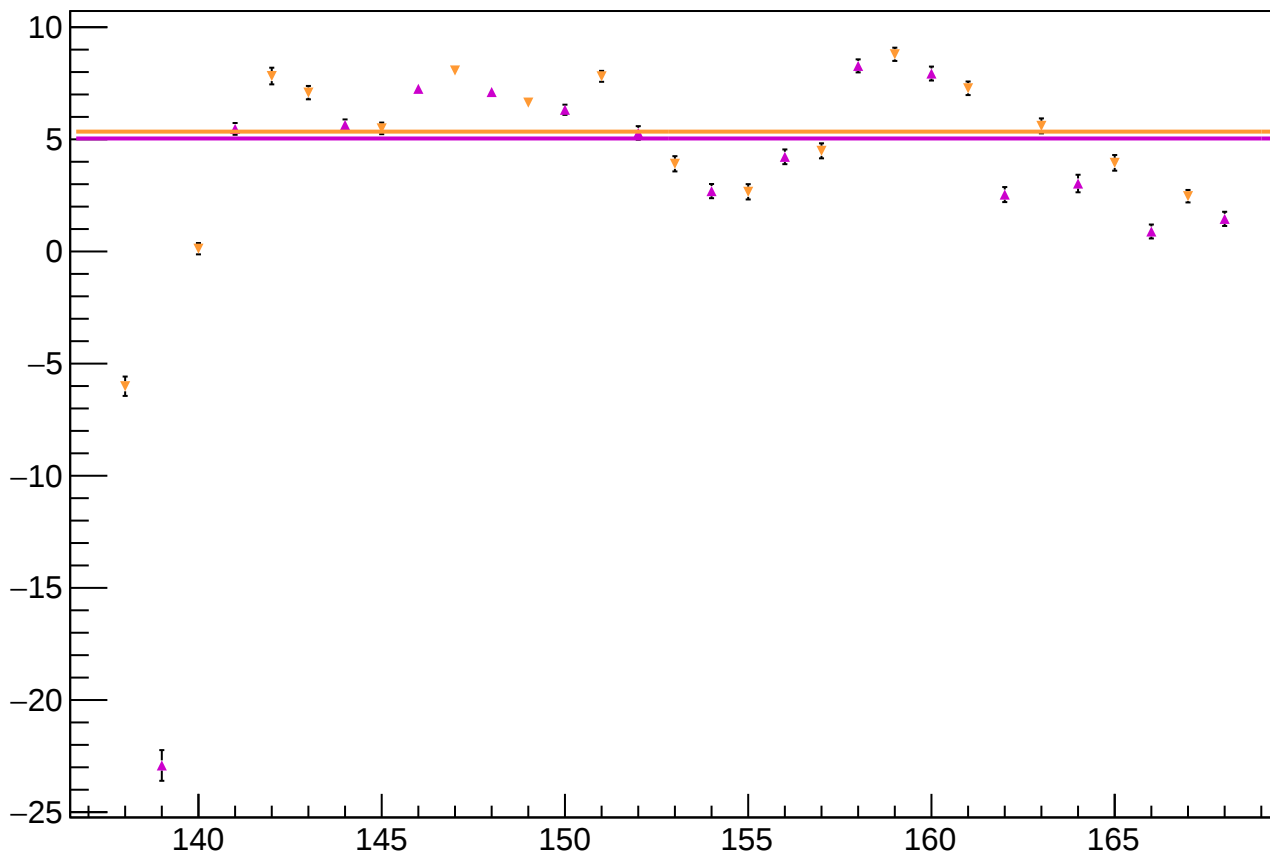
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.299+/-0.100 χ^2/NDF :2388.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.268+/-0.101 χ^2/NDF :2560.6/14

Left: 8.284+/-0.071 χ^2/NDF : 4949.0/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.268+/-0.101 χ^2/NDF :2560.6/14
 Out: 8.299+/-0.100 χ^2/NDF :2388.4/15
 All: 8.284+/-0.071 χ^2/NDF : 4949.0/30

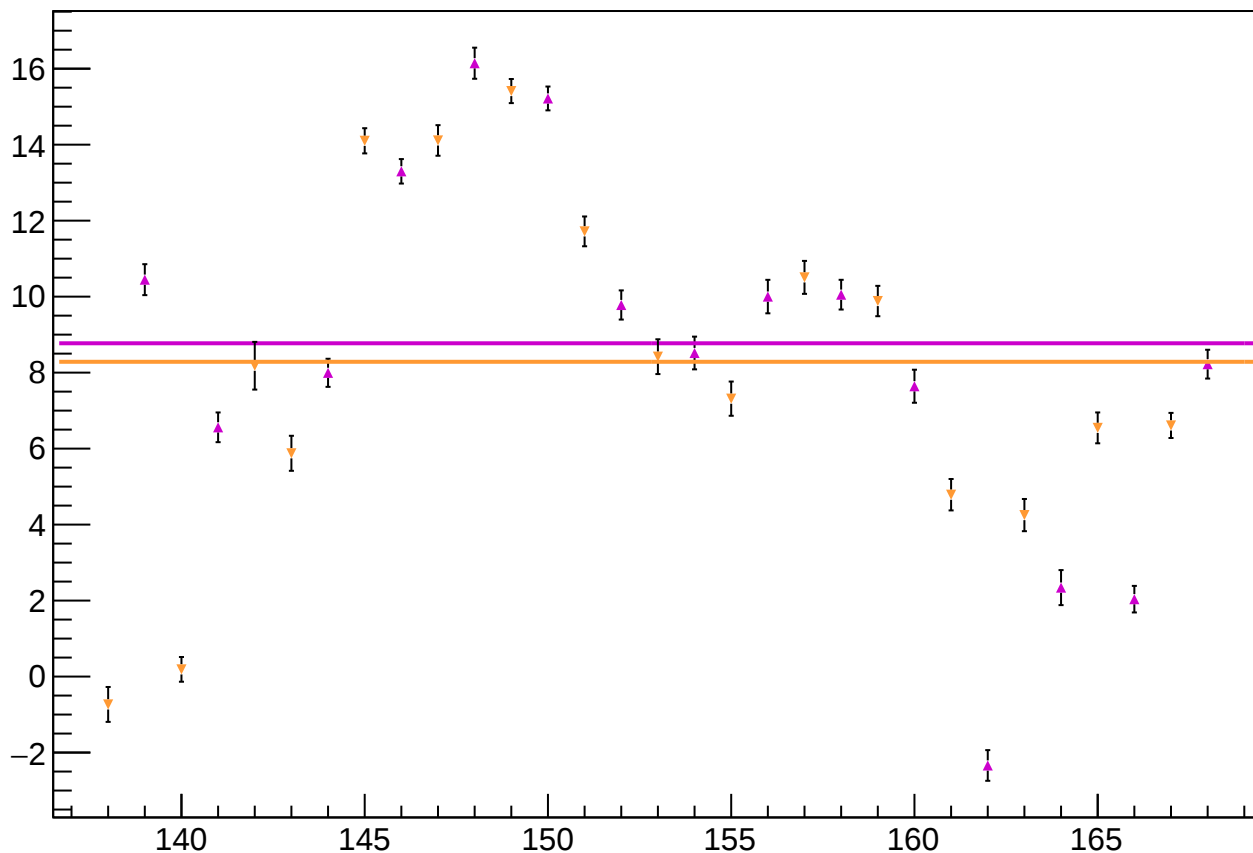
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.344 $\pm$ 0.072 χ^2 /NDF:1894.0/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.038 $\pm$ 0.074 χ^2 /NDF:2569.0/14

Left: 5.195 $\pm$ 0.051 χ^2 /NDF: 4471.8/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.038 $\pm$ 0.074 χ^2 /NDF:2569.0/14
 Out: 5.344 $\pm$ 0.072 χ^2 /NDF:1894.0/15
 All: 5.195 $\pm$ 0.051 χ^2 /NDF: 4471.8/30

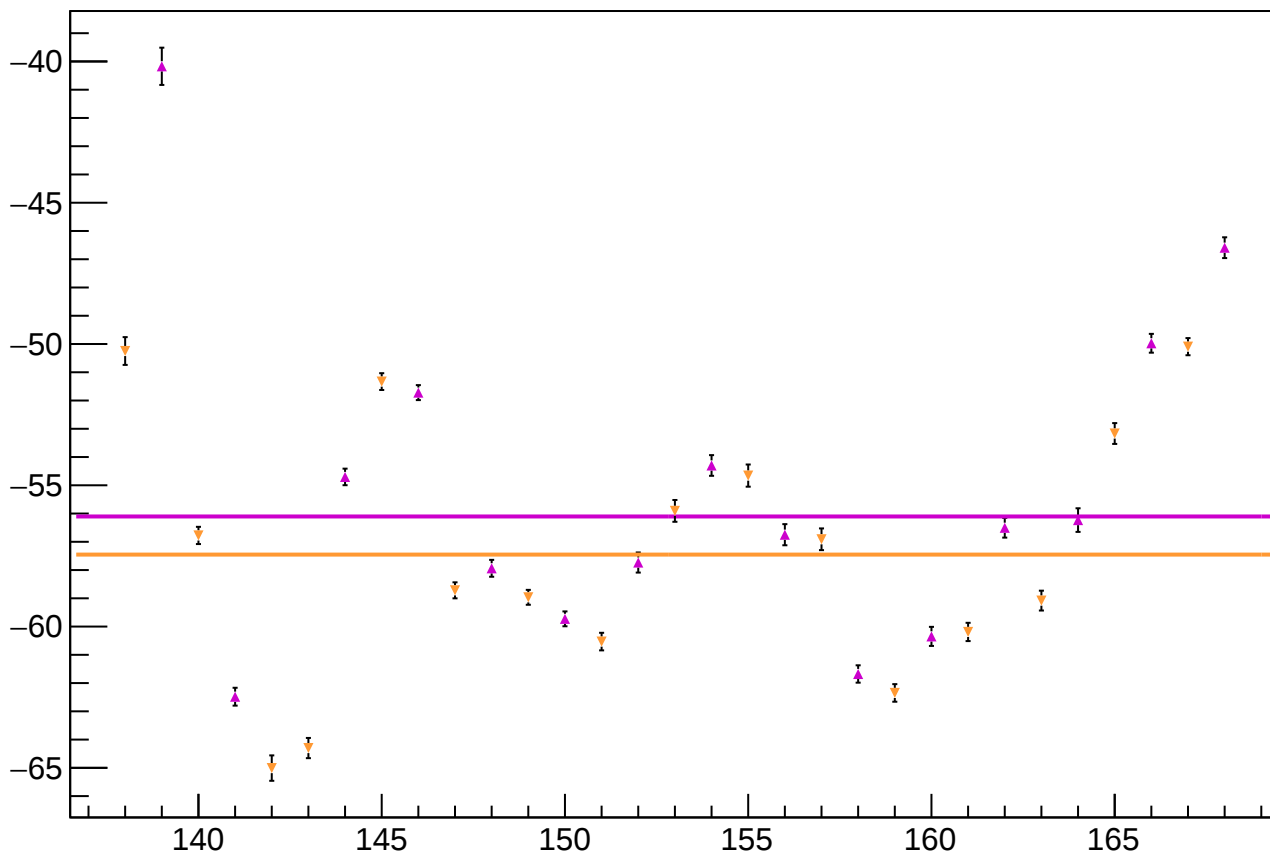
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.285+/-0.099 χ^2/NDF :2383.7/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.772+/-0.100 χ^2/NDF :2355.4/14

Left: 8.529+/-0.070 χ^2/NDF : 4751.1/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.772+/-0.100 χ^2/NDF :2355.4/14
 Out: 8.285+/-0.099 χ^2/NDF :2383.7/15
 All: 8.529+/-0.070 χ^2/NDF : 4751.1/30

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -57.453 $\pm$ 0.084 χ^2/NDF :2577.2/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -56.104 $\pm$ 0.086 χ^2/NDF :3060.4/14

Left: -56.793 $\pm$ 0.060 χ^2/NDF : 5764.2/30

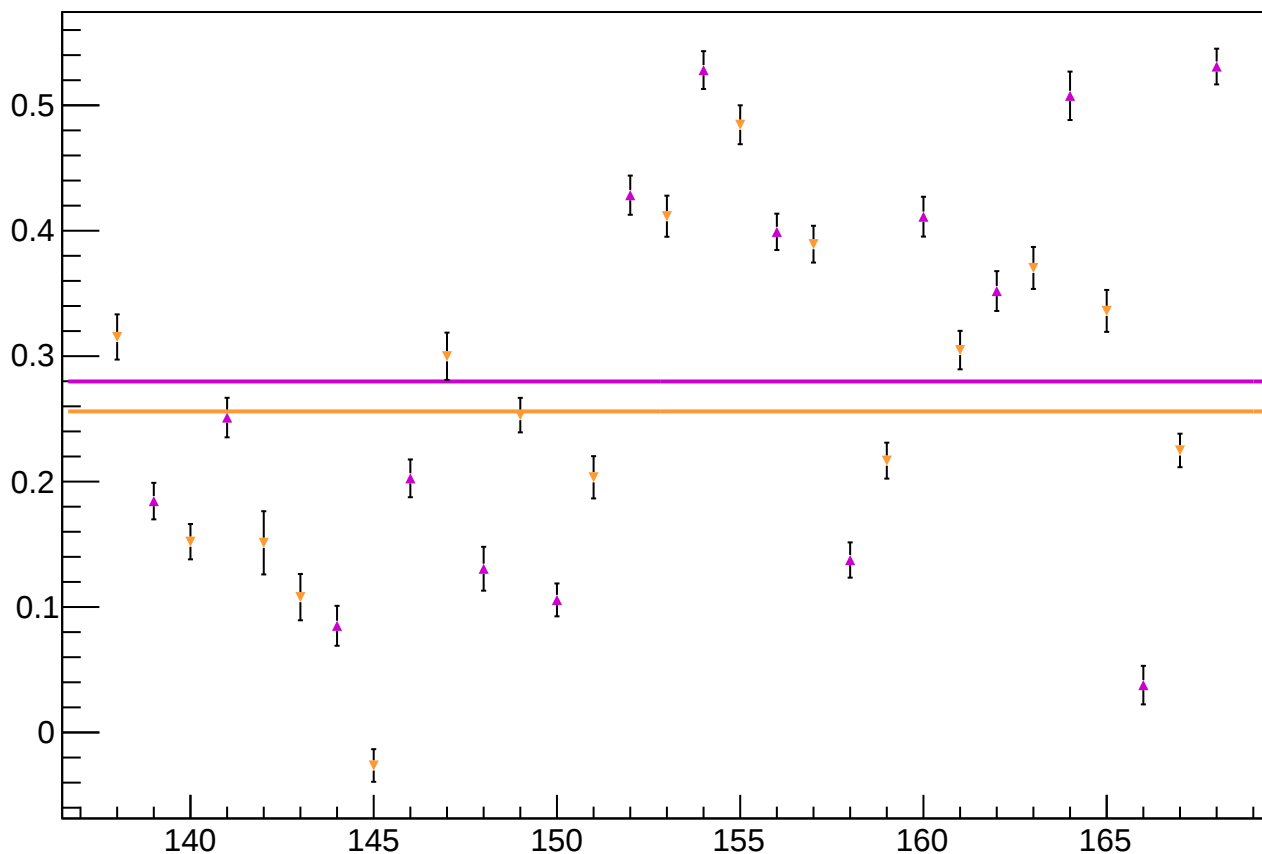
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -56.104 $\pm$ 0.086 χ^2/NDF :3060.4/14

Out: -57.453 $\pm$ 0.084 χ^2/NDF :2577.2/15

All: -56.793 $\pm$ 0.060 χ^2/NDF : 5764.2/30

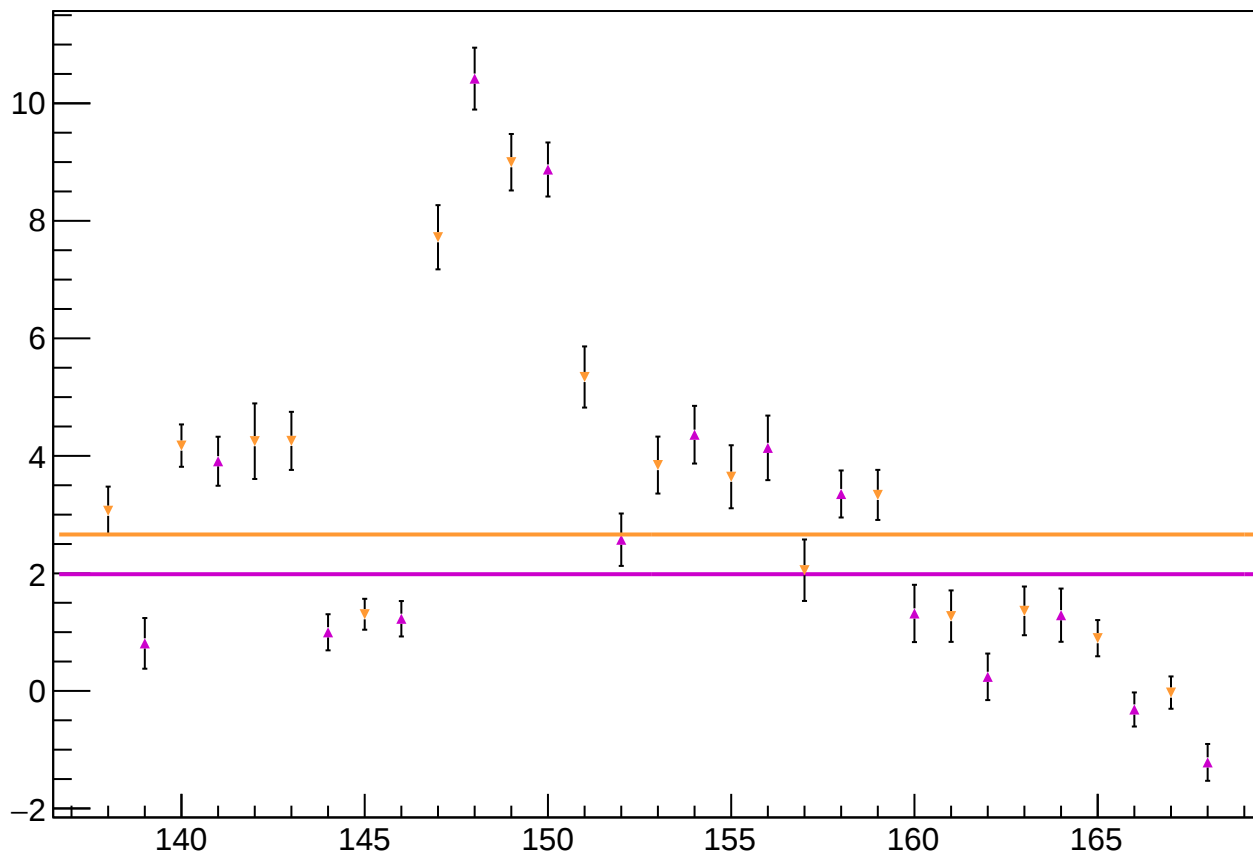
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.256+/-0.004 χ^2/NDF :1115.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.280+/-0.004 χ^2/NDF :1789.7/14

Left: 0.268+/-0.003 χ^2/NDF : 2923.4/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.280+/-0.004 χ^2/NDF :1789.7/14
 Out: 0.256+/-0.004 χ^2/NDF :1115.3/15
 All: 0.268+/-0.003 χ^2/NDF : 2923.4/30

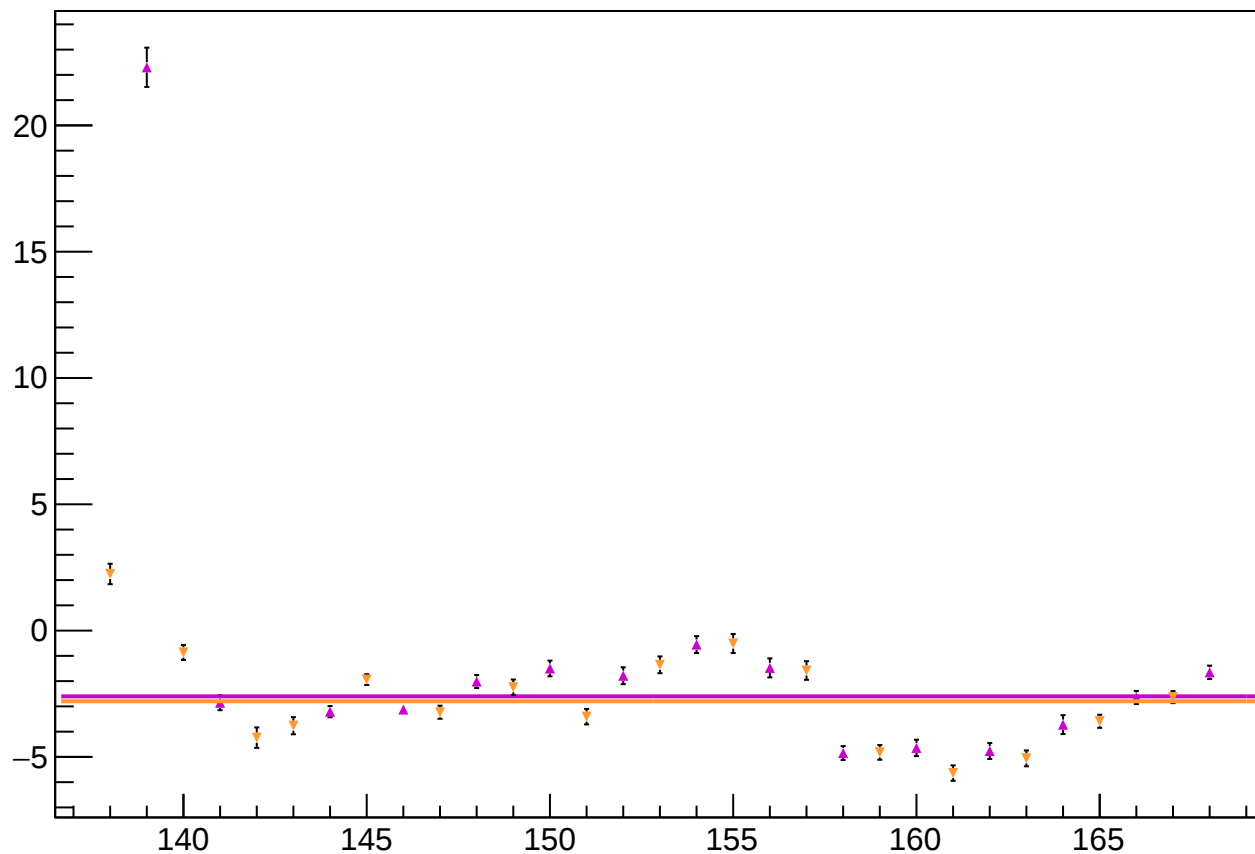
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.662+/-0.101 χ^2/NDF : 509.2/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.986+/-0.101 χ^2/NDF : 769.3/14

Left: 2.325+/-0.072 χ^2/NDF : 1300.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.986+/-0.101 χ^2/NDF : 769.3/14
 Out: 2.662+/-0.101 χ^2/NDF : 509.2/15
 All: 2.325+/-0.072 χ^2/NDF : 1300.8/30

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



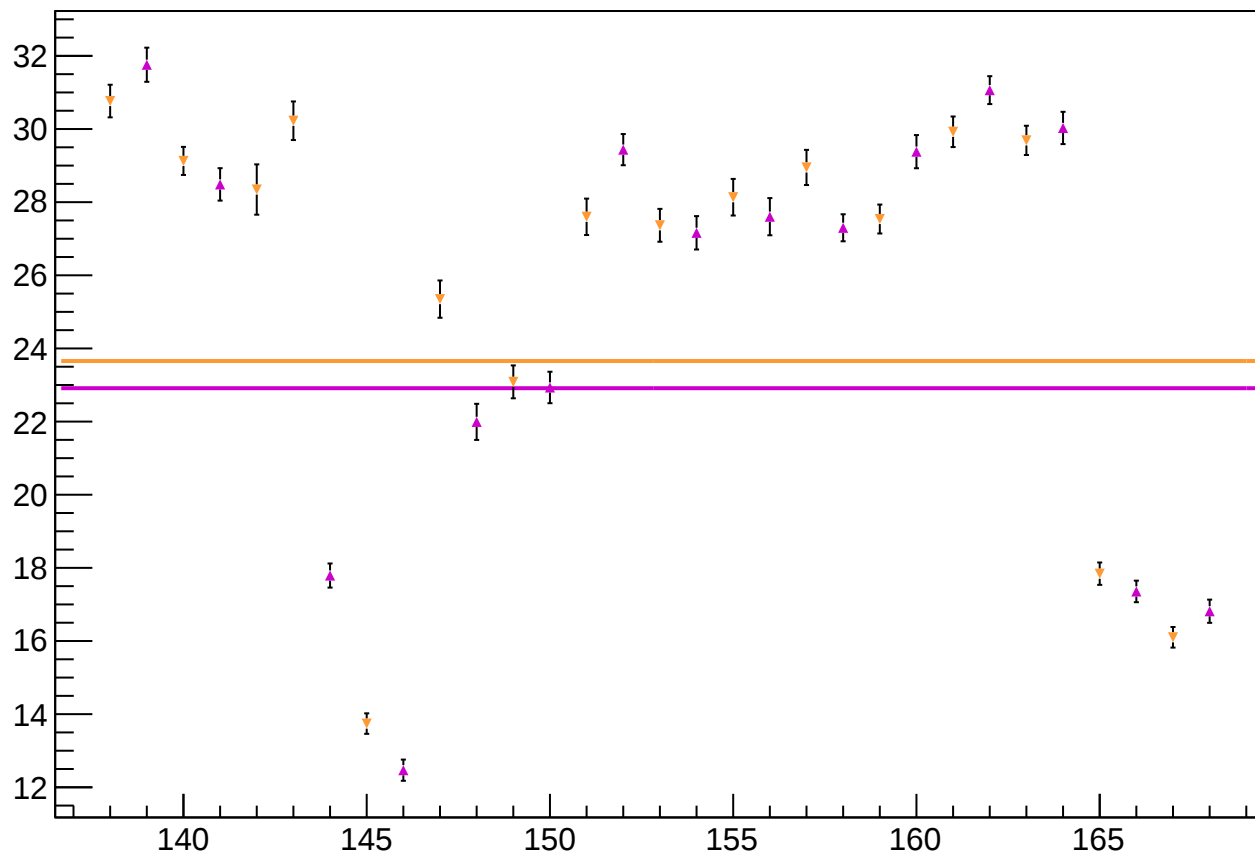
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.797 $\pm$ 0.075 χ^2 /NDF:507.8/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.603 $\pm$ 0.075 χ^2 /NDF:1288.0/14

Left: -2.700 $\pm$ 0.053 χ^2 /NDF: 1799.2/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -2.603 $\pm$ 0.075 χ^2 /NDF:1288.0/14
 Out: -2.797 $\pm$ 0.075 χ^2 /NDF:507.8/15

All: -2.700 $\pm$ 0.053 χ^2 /NDF: 1799.2/30

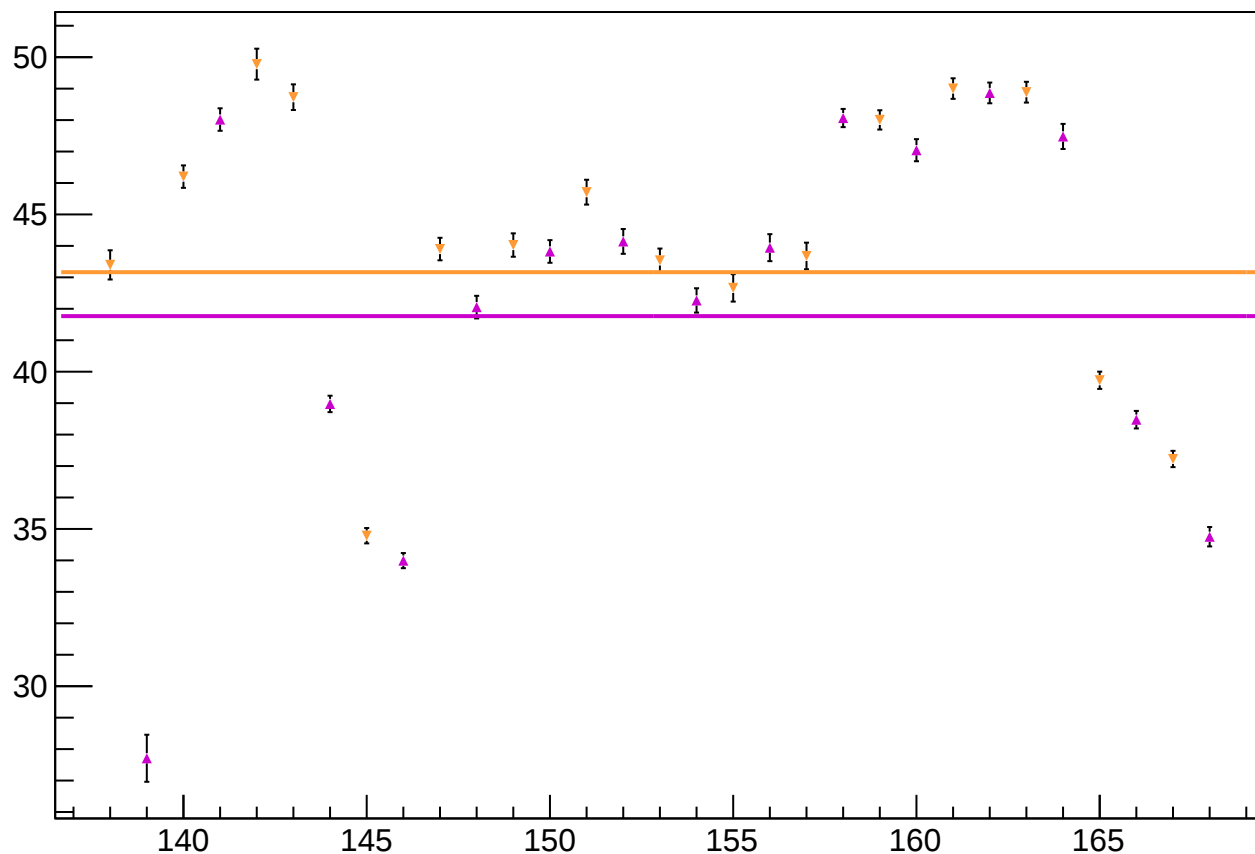
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 23.657+/-0.101 χ^2/NDF :3884.1/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 22.913+/-0.100 χ^2/NDF :4251.3/14

Left: 23.281+/-0.071 χ^2/NDF : 8162.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 22.913+/-0.100 χ^2/NDF :4251.3/14
 Out: 23.657+/-0.101 χ^2/NDF :3884.1/15
 All: 23.281+/-0.071 χ^2/NDF : 8162.8/30

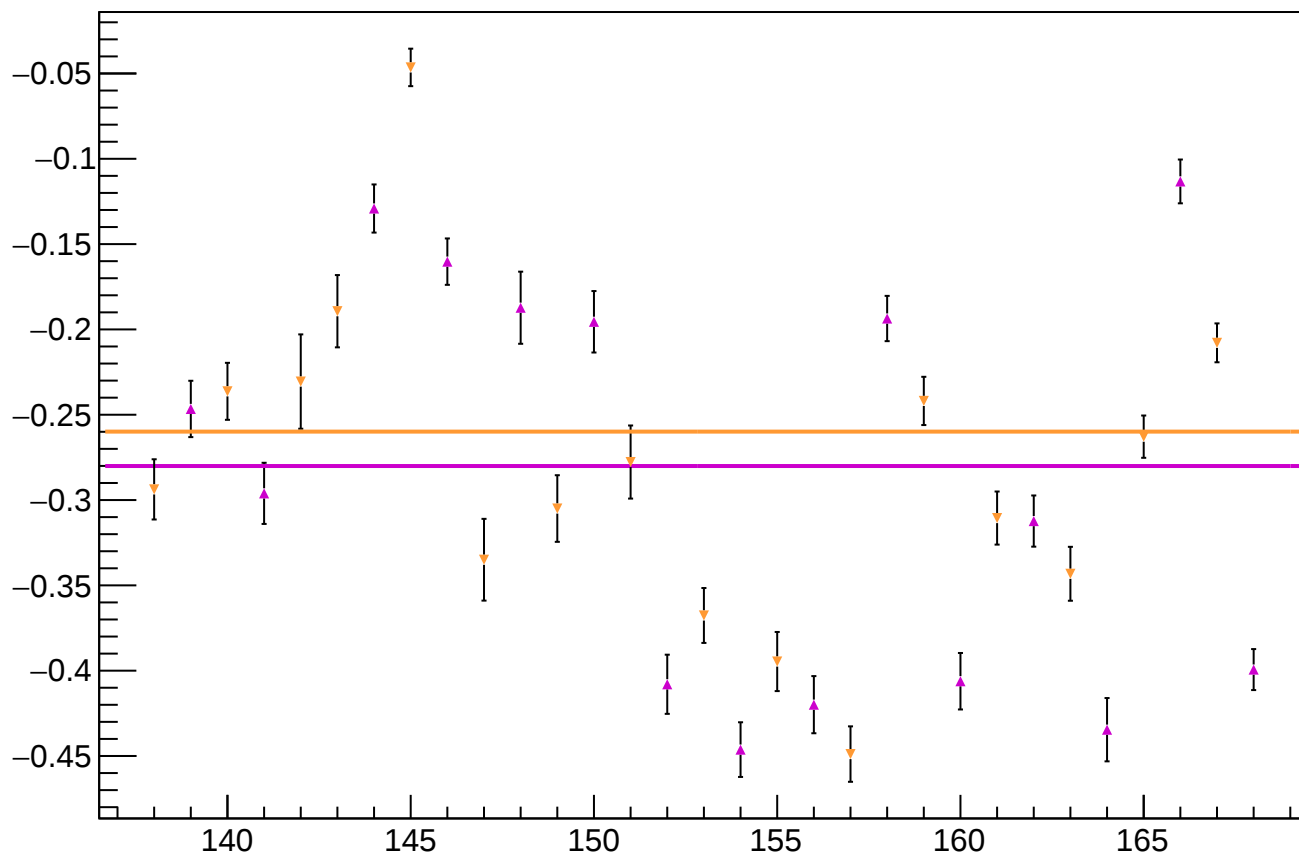
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 43.164 $\pm$ 0.086 χ^2 /NDF:3226.6/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 41.767 $\pm$ 0.086 χ^2 /NDF:3939.4/14

Left: 42.470 $\pm$ 0.061 χ^2 /NDF: 7298.0/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 41.767 $\pm$ 0.086 χ^2 /NDF:3939.4/14
 Out: 43.164 $\pm$ 0.086 χ^2 /NDF:3226.6/15
 All: 42.470 $\pm$ 0.061 χ^2 /NDF: 7298.0/30

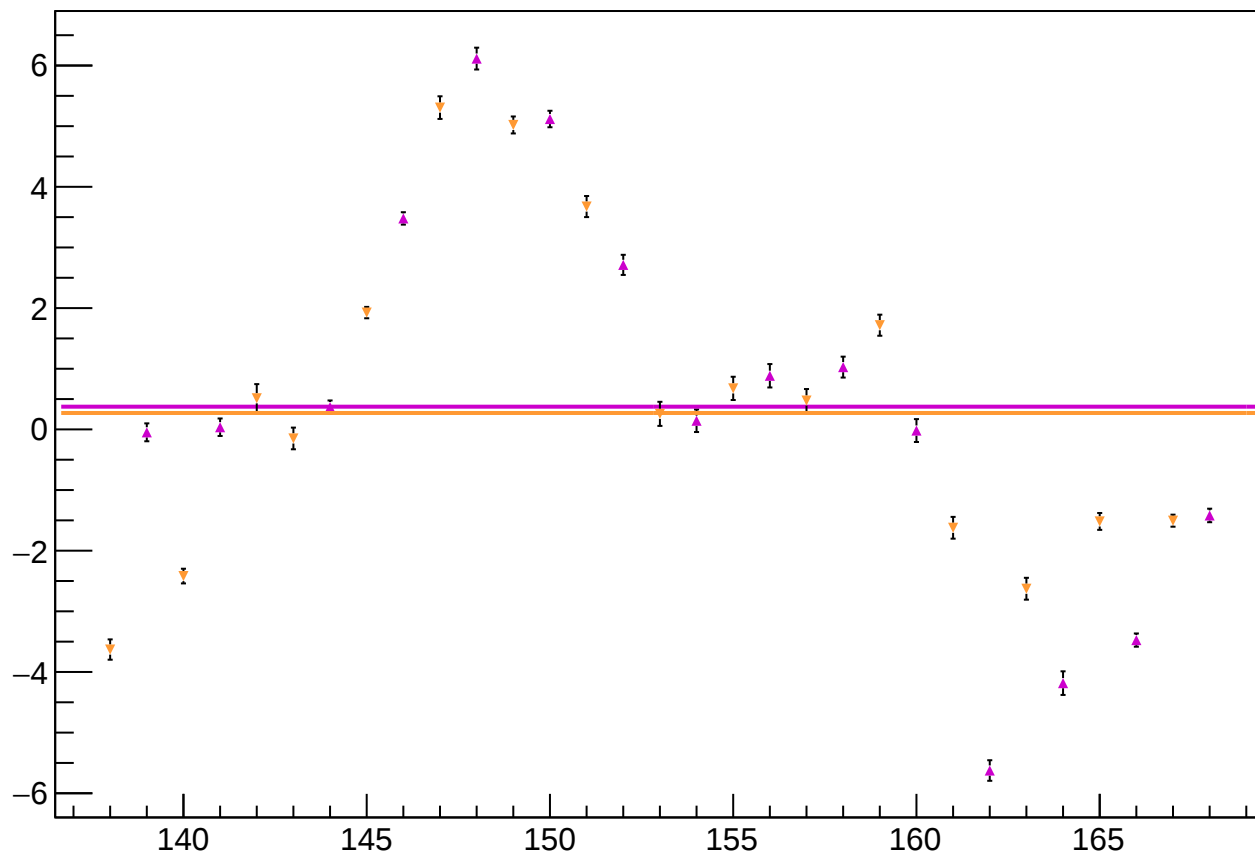
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.260+/-0.004 χ^2/NDF : 713.0/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.280+/-0.004 χ^2/NDF : 912.0/14

Left: -0.270+/-0.003 χ^2/NDF : 1637.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.280+/-0.004 χ^2/NDF : 912.0/14
 Out: -0.260+/-0.004 χ^2/NDF : 713.0/15
 All: -0.270+/-0.003 χ^2/NDF : 1637.8/30

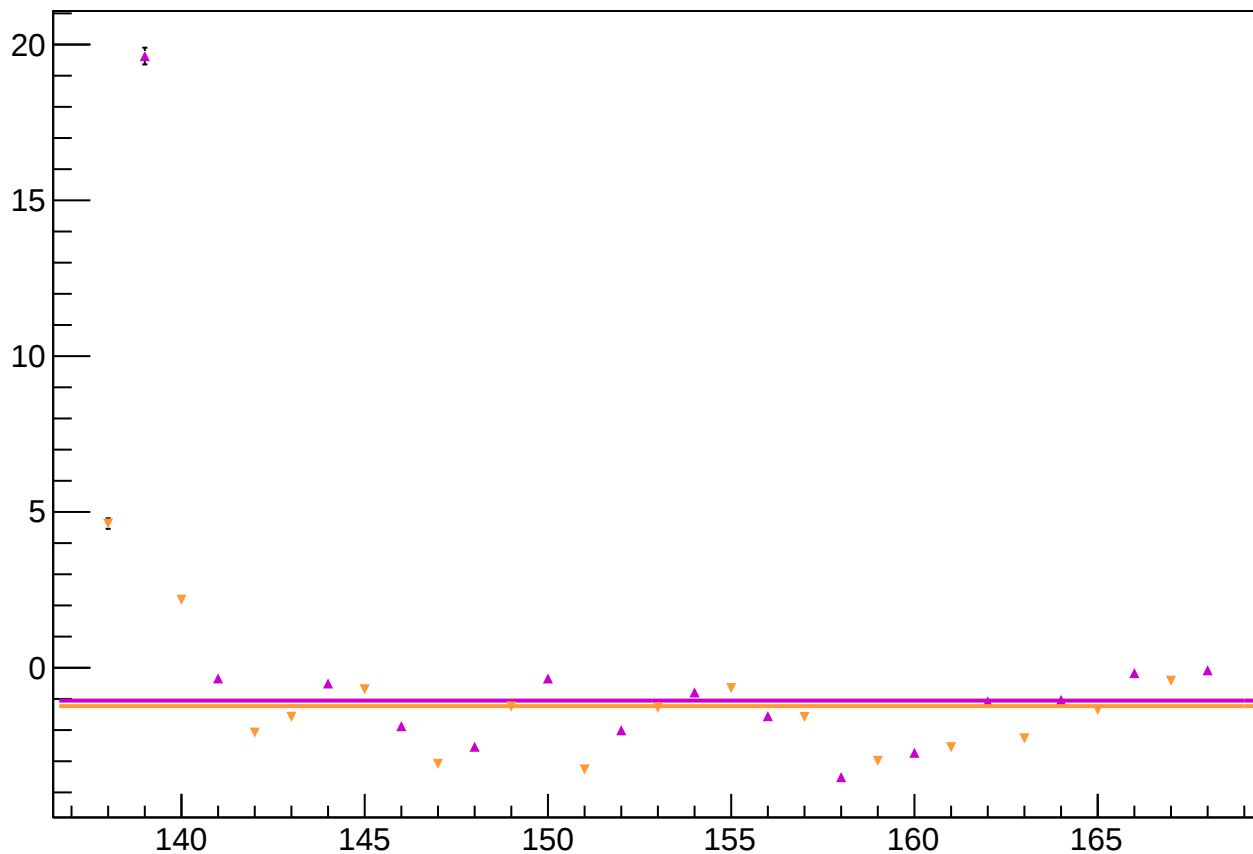
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.271 $\pm$ 0.038 χ^2 /NDF:4545.4/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.375 $\pm$ 0.037 χ^2 /NDF:6701.6/14

Left: 0.324 $\pm$ 0.026 χ^2 /NDF: 11250.9/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.375 $\pm$ 0.037 χ^2 /NDF:6701.6/14
 Out: 0.271 $\pm$ 0.038 χ^2 /NDF:4545.4/15
 All: 0.324 $\pm$ 0.026 χ^2 /NDF: 11250.9/30

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



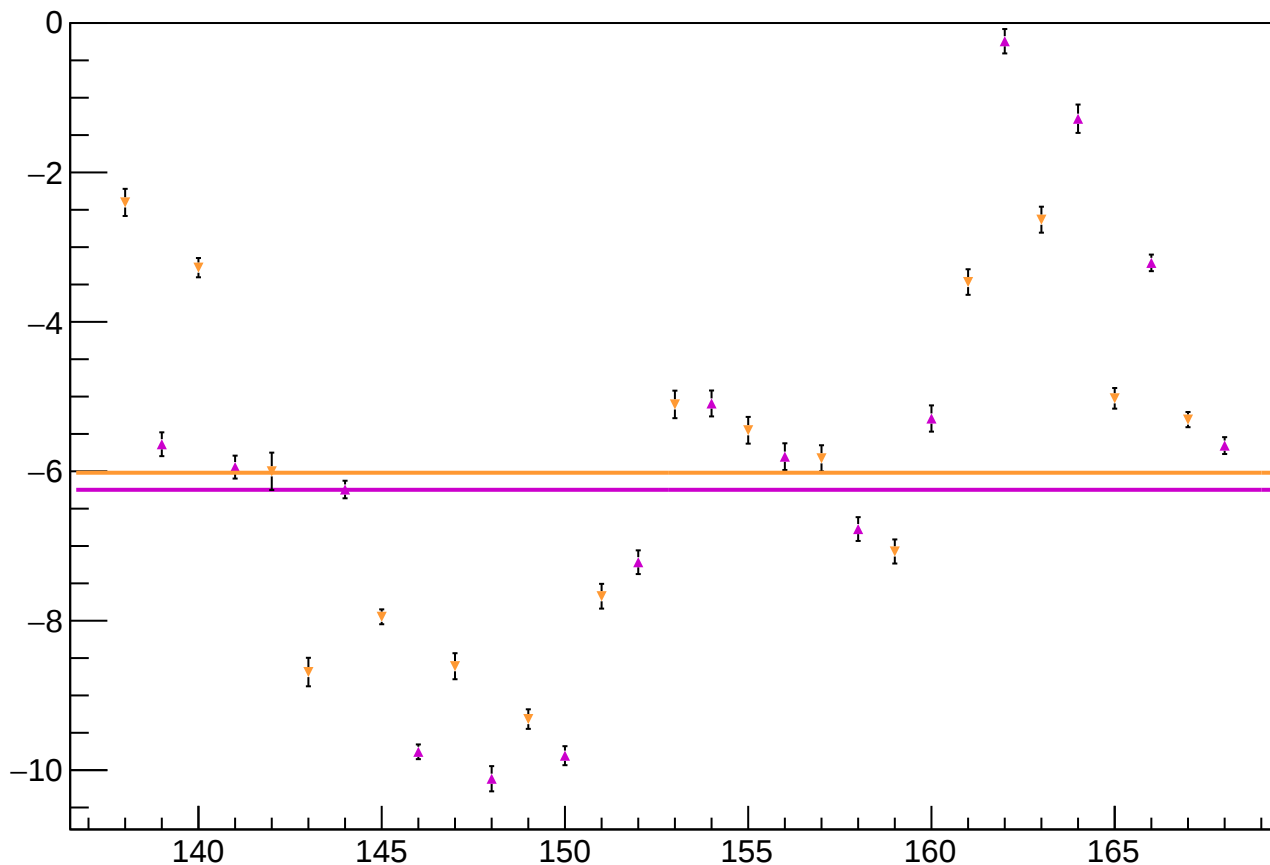
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.232+/-0.028 χ^2/NDF :3775.6/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.054+/-0.027 χ^2/NDF :7367.4/14

Left: -1.141+/-0.019 χ^2/NDF : 11164.4/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.054+/-0.027 χ^2/NDF :7367.4/14
 Out: -1.232+/-0.028 χ^2/NDF :3775.6/15

All: -1.141+/-0.019 χ^2/NDF : 11164.4/30

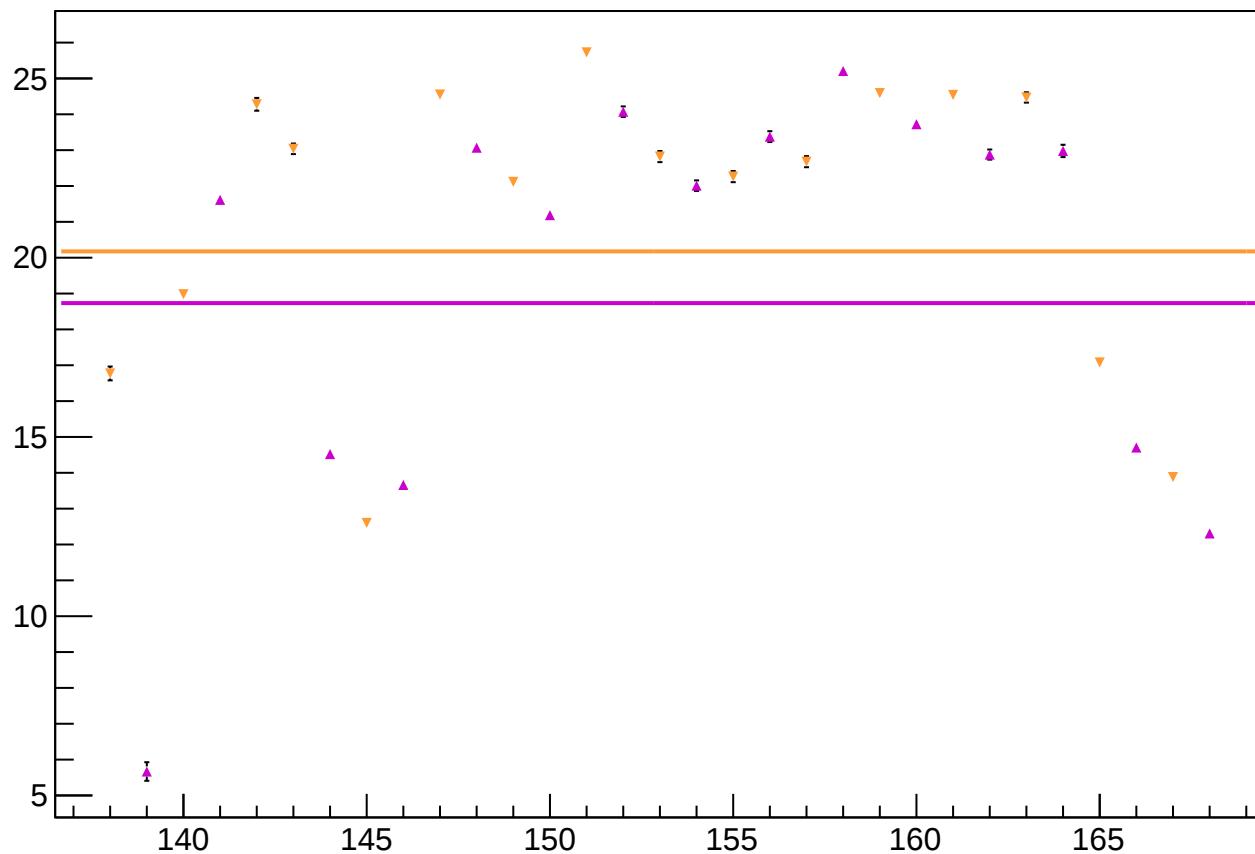
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -6.019 ± 0.038 χ^2/NDF : 3155.8/15
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -6.248 ± 0.036 χ^2/NDF : 5537.5/14

Left: -6.137 ± 0.026 χ^2/NDF : 8712.4/30
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -6.248 ± 0.036 χ^2/NDF : 5537.5/14
 Out: -6.019 ± 0.038 χ^2/NDF : 3155.8/15
 All: -6.137 ± 0.026 χ^2/NDF : 8712.4/30

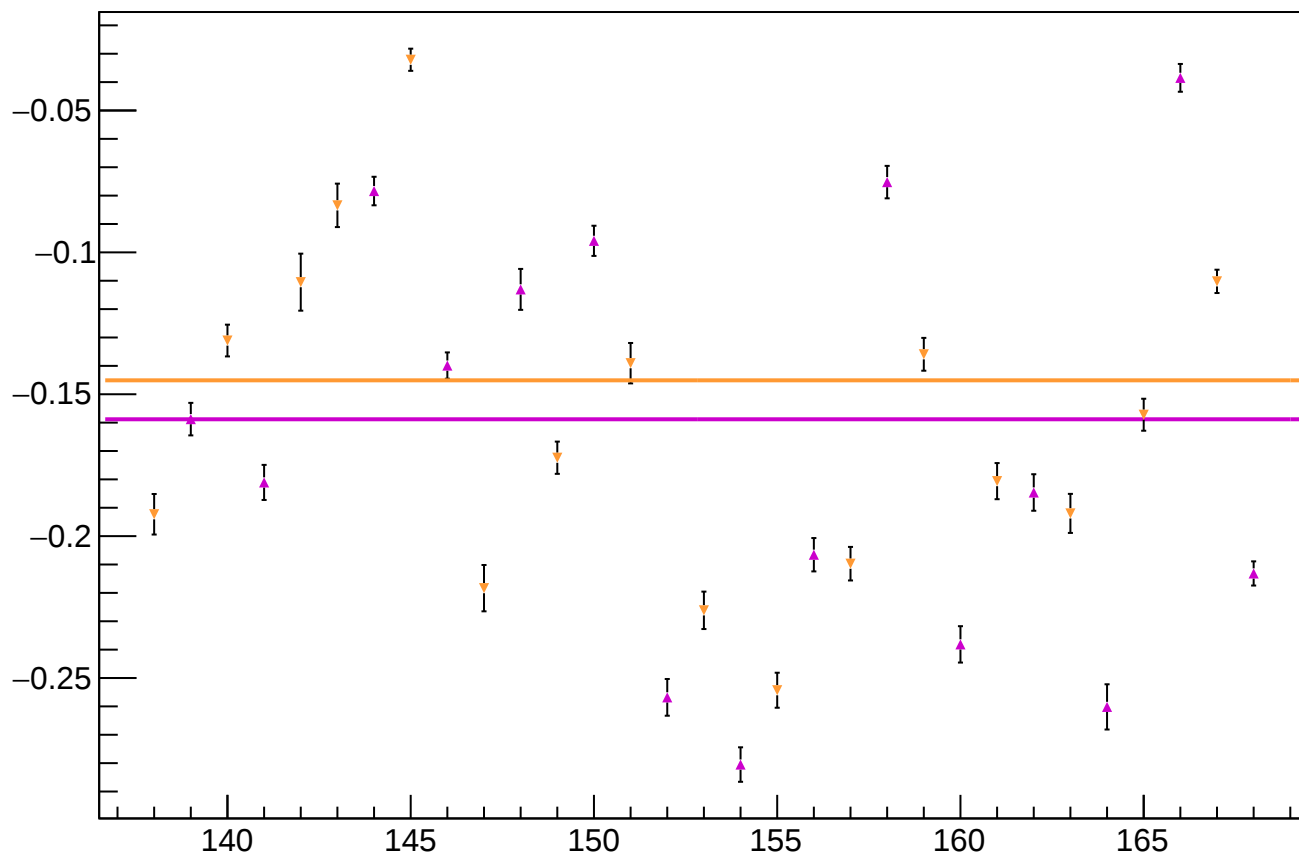
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 20.176 $\pm$ 0.032 χ^2/NDF :21141.9/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 18.734 $\pm$ 0.032 χ^2/NDF :23812.8/14

Left: 19.446 $\pm$ 0.022 χ^2/NDF : 45989.1/30
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 18.734 $\pm$ 0.032 χ^2/NDF :23812.8/14
 Out: 20.176 $\pm$ 0.032 χ^2/NDF :21141.9/15
 All: 19.446 $\pm$ 0.022 χ^2/NDF : 45989.1/30

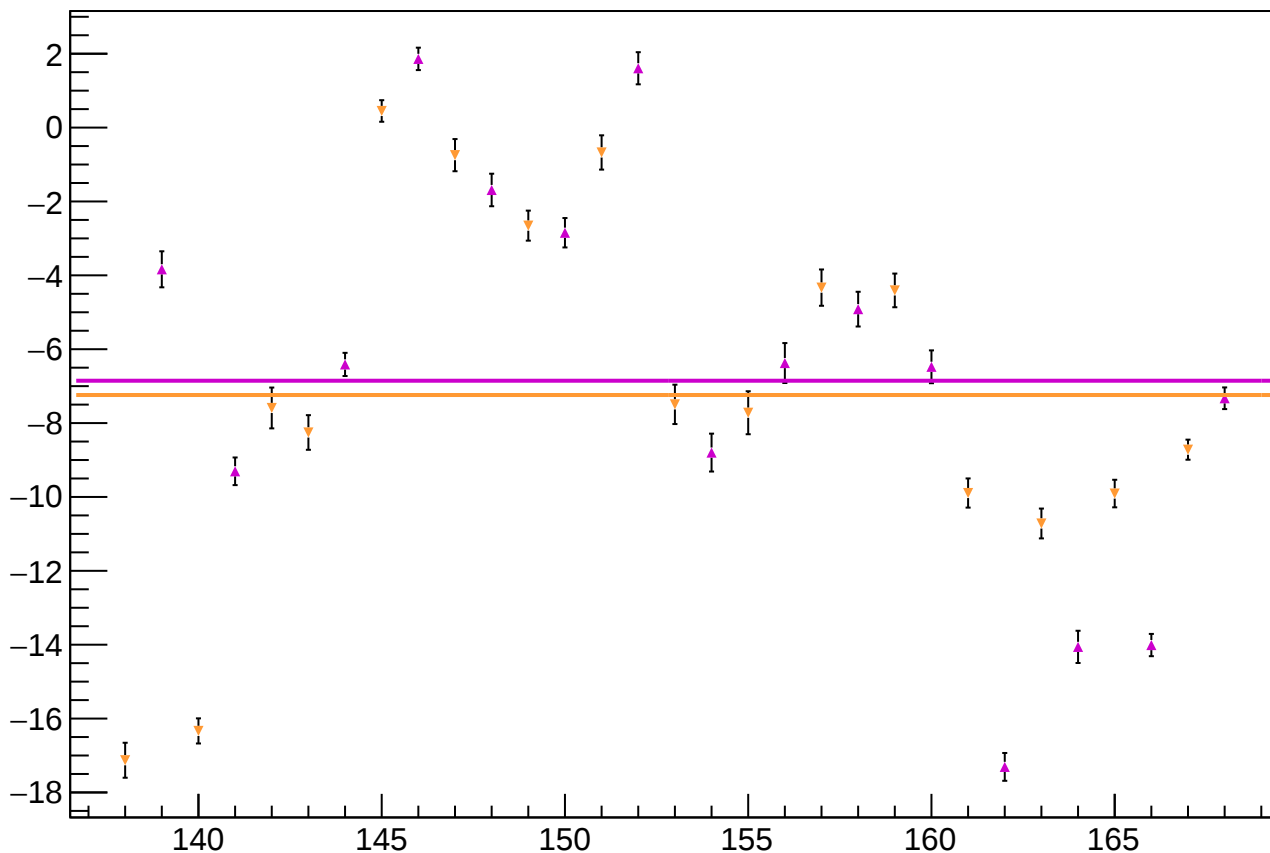
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.145+/-0.001 χ^2/NDF :1807.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.159+/-0.001 χ^2/NDF :2472.0/14

Left: -0.152+/-0.001 χ^2/NDF : 4322.9/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.159+/-0.001 χ^2/NDF :2472.0/14
 Out: -0.145+/-0.001 χ^2/NDF :1807.4/15
 All: -0.152+/-0.001 χ^2/NDF : 4322.9/30

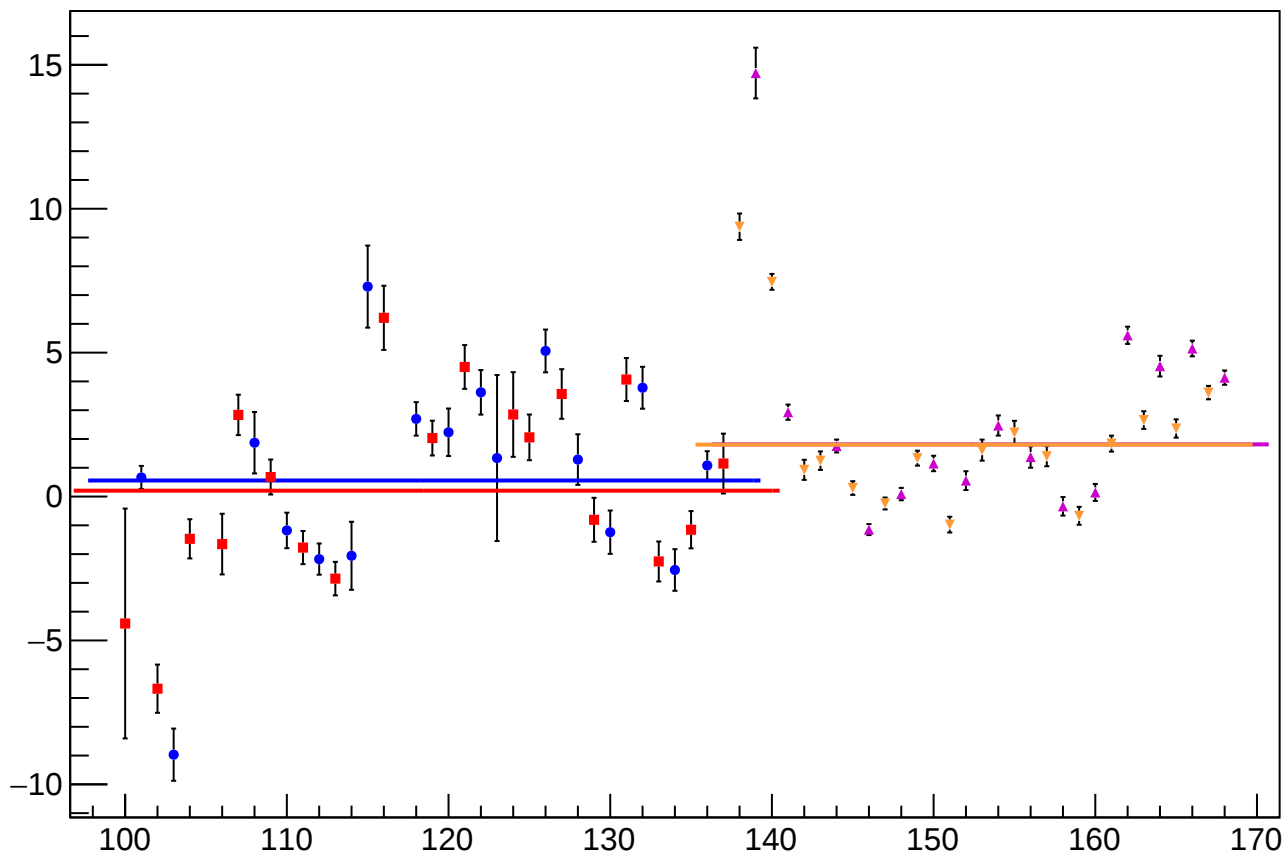
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.240+/-0.101 χ^2/NDF :2674.5/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.853+/-0.100 χ^2/NDF :3167.5/14

Left: -7.043+/-0.071 χ^2/NDF : 5849.4/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.853+/-0.100 χ^2/NDF :3167.5/14
 Out: -7.240+/-0.101 χ^2/NDF :2674.5/15
 All: -7.043+/-0.071 χ^2/NDF : 5849.4/30

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.803 ± 0.073 χ^2/NDF : 1080.2/15

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

Left In: 1.812 ± 0.072 χ^2/NDF : 1093.1/14

Left: 1.807 ± 0.051 χ^2/NDF : 2173.3/30

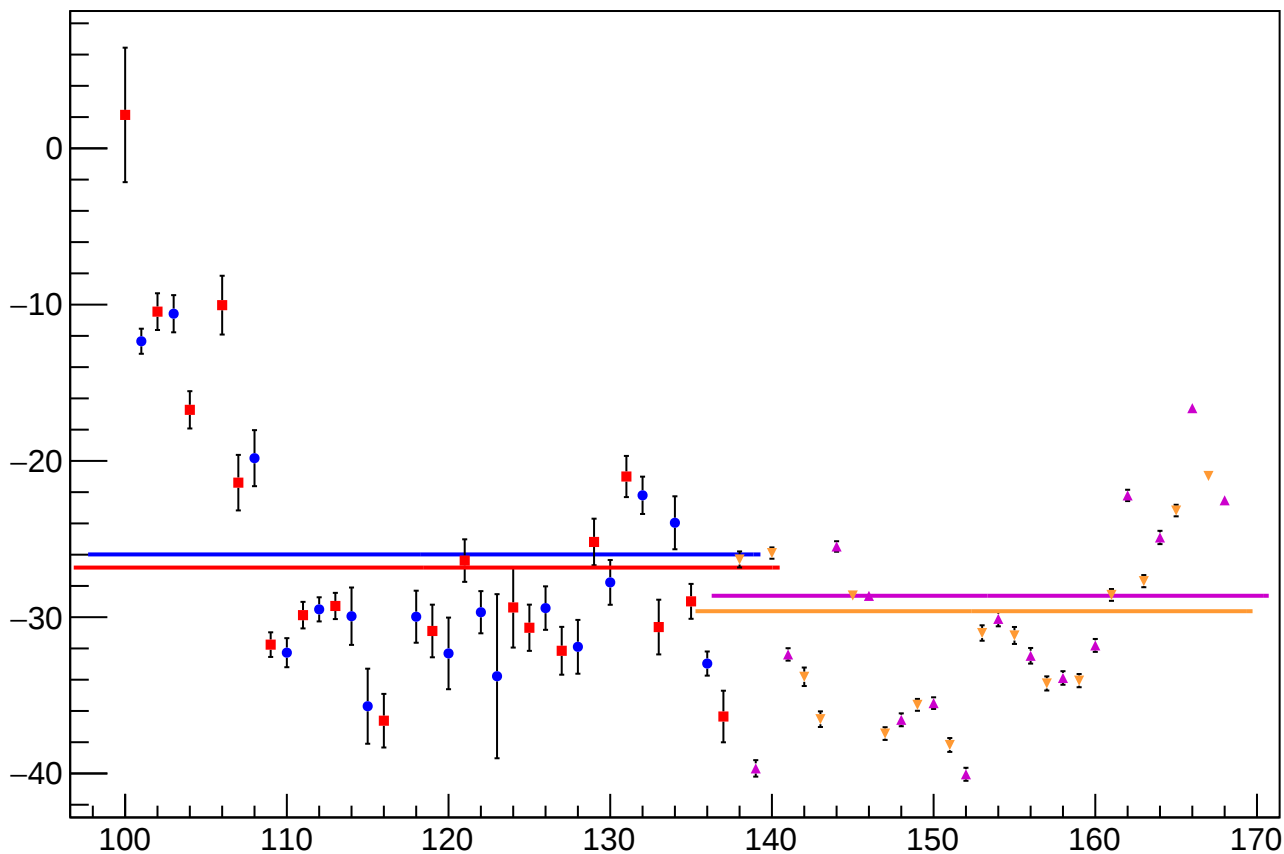
Right: 0.386 ± 0.122 χ^2/NDF : 562.1/35

In: 1.622 ± 0.066 χ^2/NDF : 1427.1/31

Out: 1.566 ± 0.067 χ^2/NDF : 1423.7/34

All: 1.594 ± 0.047 χ^2/NDF : 2851.1/66

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: -29.617 ± 0.101 χ^2/NDF : 2922.7/15

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

Left In: -28.629 ± 0.098 χ^2/NDF : 4693.4/14

Left: -29.110 ± 0.070 χ^2/NDF : 7665.5/30

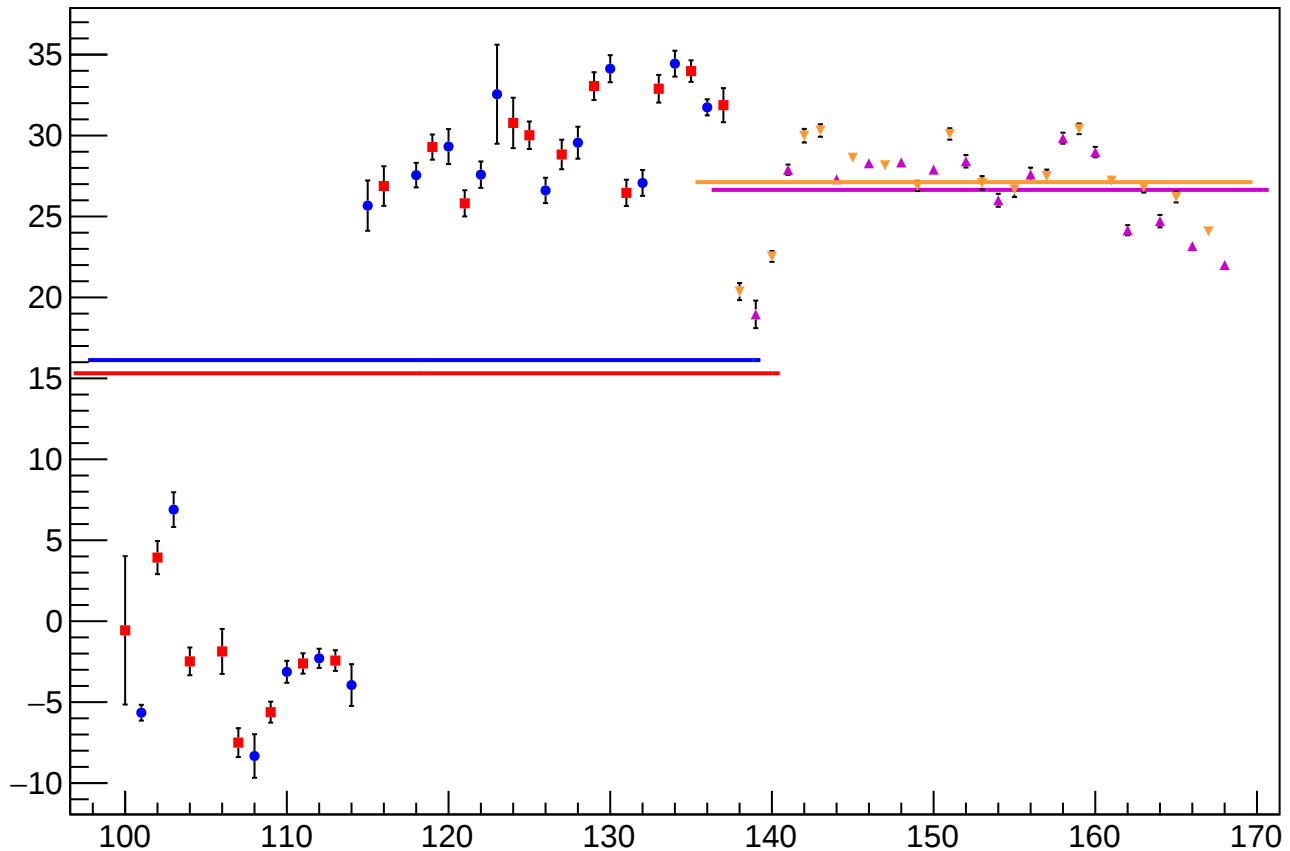
Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35

In: -28.374 ± 0.093 χ^2/NDF : 5454.9/31

Out: -29.330 ± 0.095 χ^2/NDF : 3583.3/34

All: -28.841 ± 0.067 χ^2/NDF : 9089.5/66

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 27.123 $\pm$ 0.085 χ^2 /NDF:834.0/15

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

Left In: 26.643 $\pm$ 0.084 χ^2 /NDF:858.3/14

Left: 26.881 $\pm$ 0.060 χ^2 /NDF: 1708.5/30

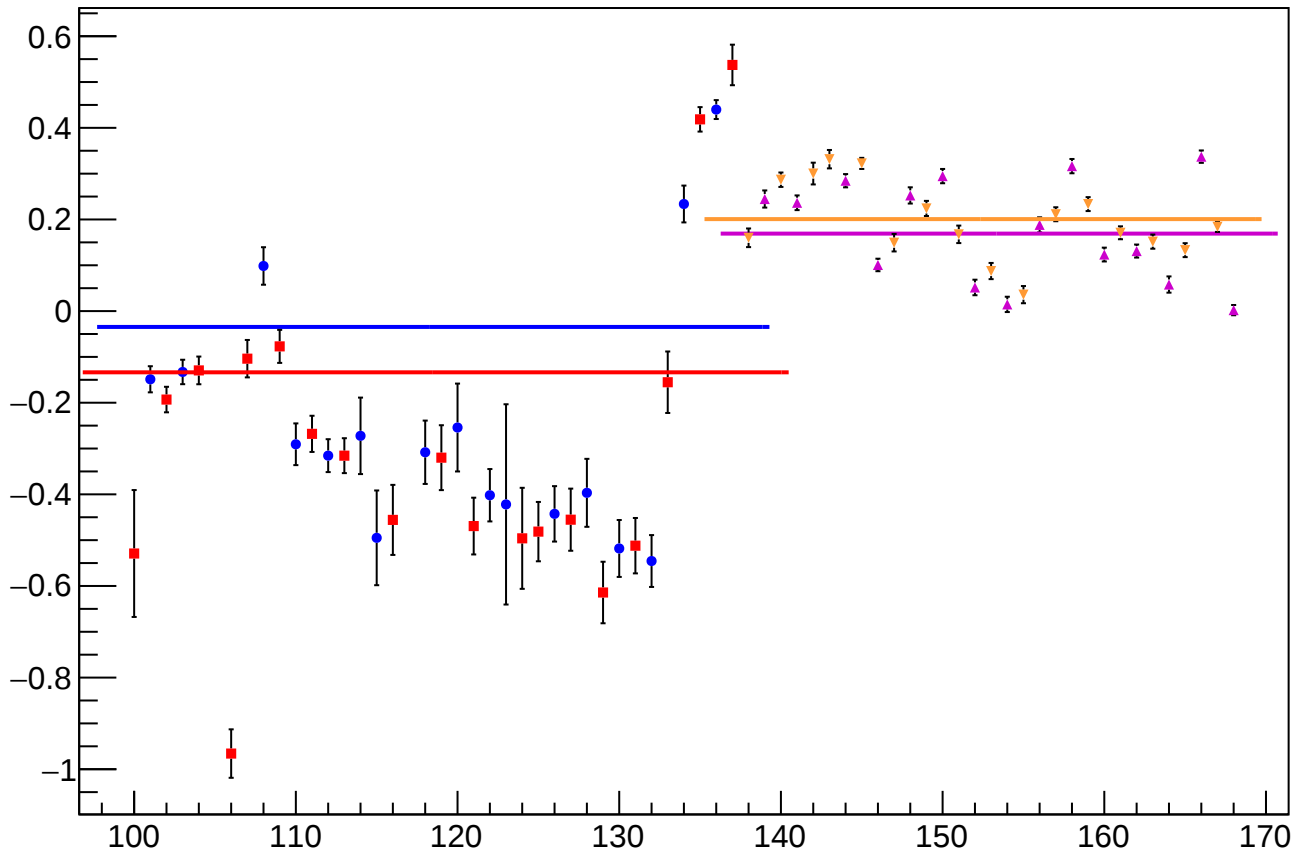
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 24.956 $\pm$ 0.077 χ^2 /NDF:10947.0/31

Out: 25.283 $\pm$ 0.078 χ^2 /NDF:11144.4/34

All: 25.118 $\pm$ 0.055 χ^2 /NDF: 22100.3/66

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: 0.201 ± 0.004 χ^2/NDF : 366.5/15

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

Left In: 0.169 ± 0.004 χ^2/NDF : 865.5/14

Left: 0.185 ± 0.003 χ^2/NDF : 1264.0/30

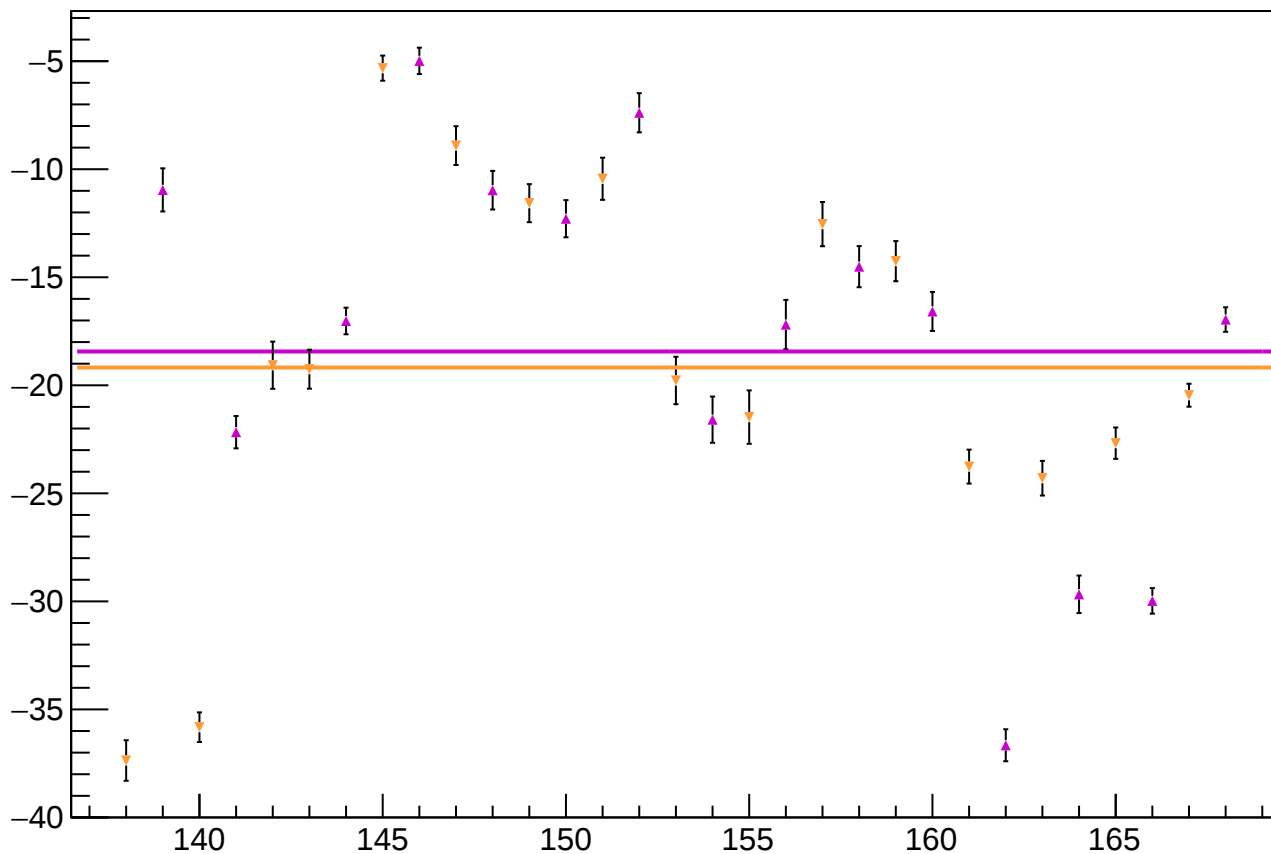
Right: -0.084 ± 0.007 χ^2/NDF : 2219.2/35

In: 0.143 ± 0.004 χ^2/NDF : 2216.8/31

Out: 0.158 ± 0.004 χ^2/NDF : 2433.5/34

All: 0.150 ± 0.003 χ^2/NDF : 4657.7/66

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: -19.176+/-0.204 χ^2/NDF :1997.1/15

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

Left In: -18.436+/-0.200 χ^2/NDF :2032.7/14

Left: -18.799+/-0.143 χ^2/NDF : 4036.6/30

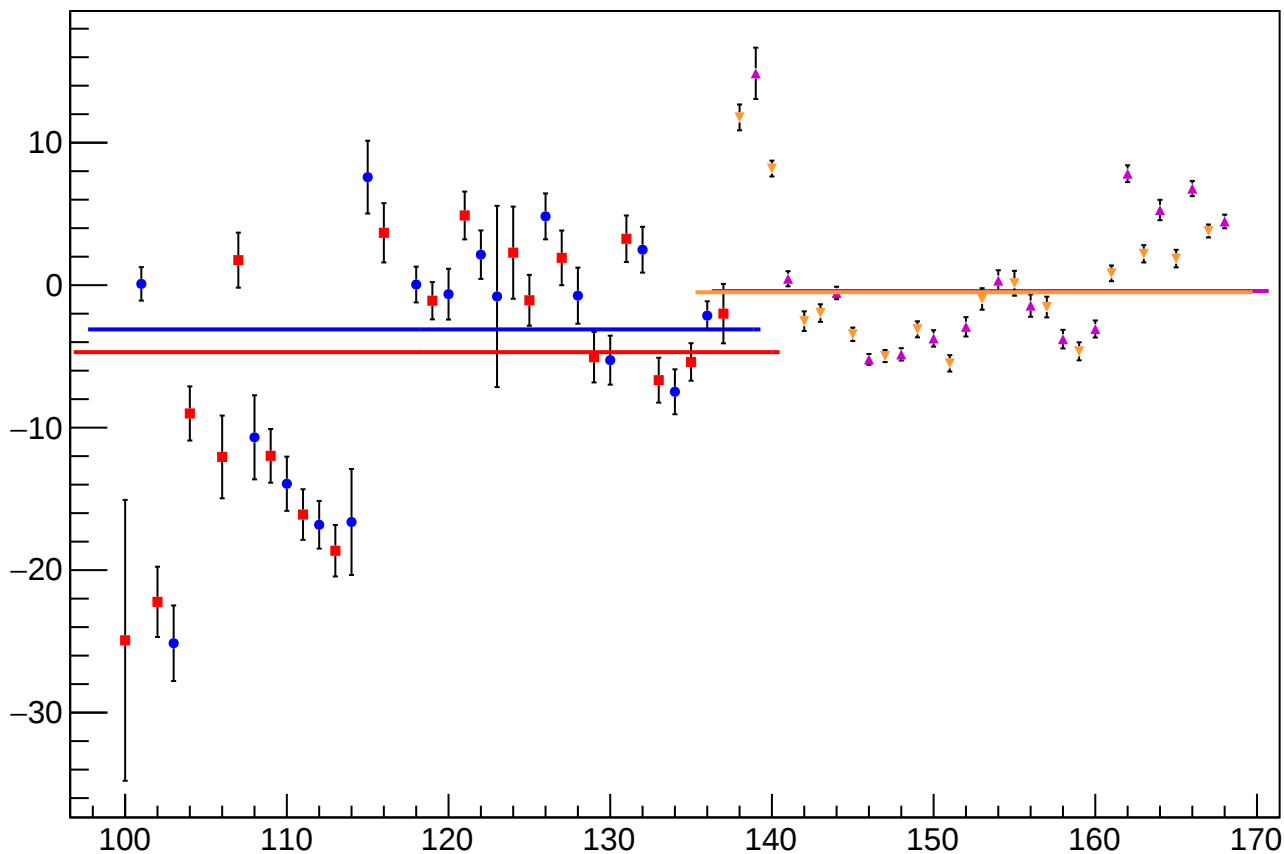
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.436+/-0.200 χ^2/NDF :2032.7/14

Out: -19.176+/-0.204 χ^2/NDF :1997.1/15

All: -18.799+/-0.143 χ^2/NDF : 4036.6/30

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 $\chi^2/\text{NDF}: 279.1/16$

Left Out: -0.497 ± 0.147 $\chi^2/\text{NDF}: 863.7/15$

Right Out: -4.701 ± 0.427 $\chi^2/\text{NDF}: 297.6/18$

Left In: -0.411 ± 0.145 $\chi^2/\text{NDF}: 979.4/14$

Left: -0.453 ± 0.103 $\chi^2/\text{NDF}: 1843.2/30$

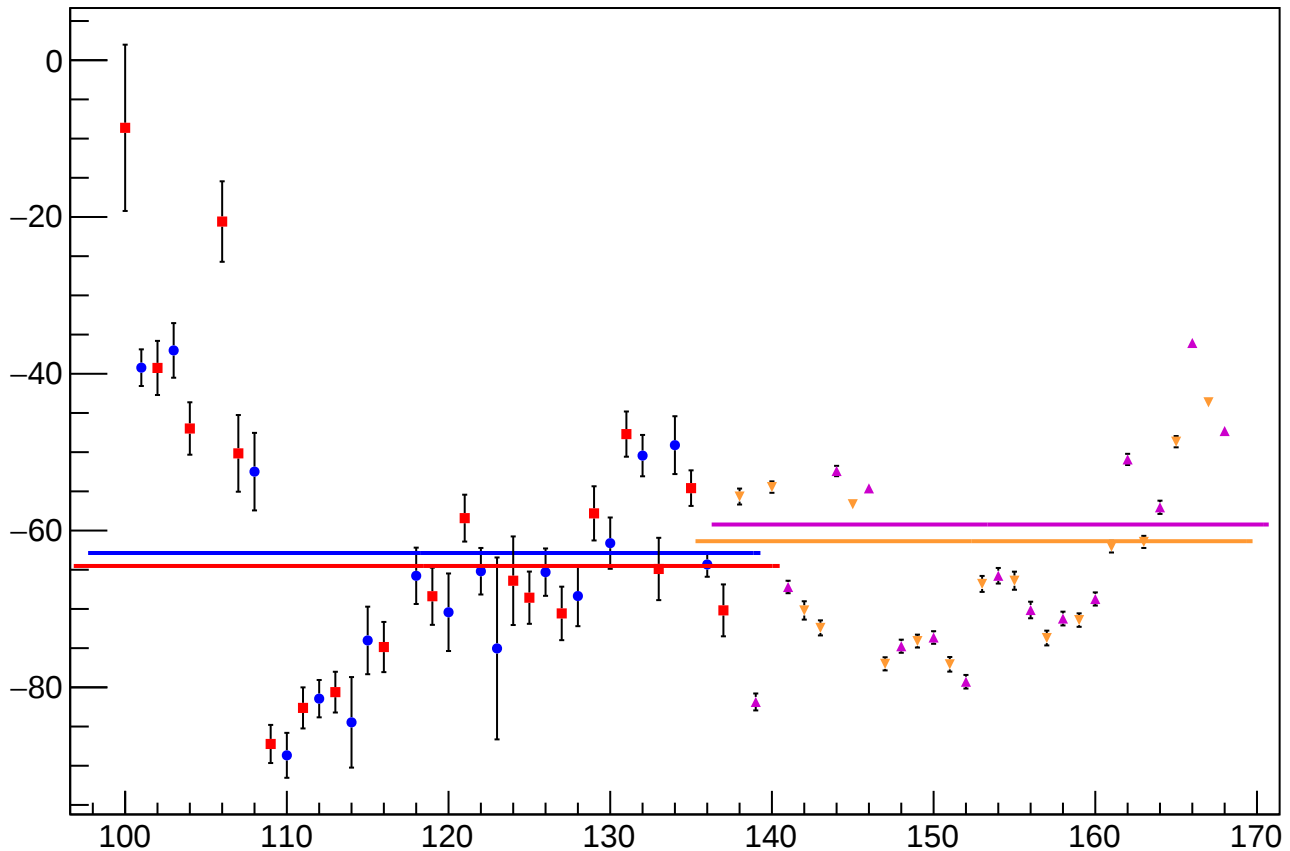
Right: -3.873 ± 0.296 $\chi^2/\text{NDF}: 584.0/35$

In: -0.707 ± 0.136 $\chi^2/\text{NDF}: 1296.7/31$

Out: -0.944 ± 0.139 $\chi^2/\text{NDF}: 1248.1/34$

All: -0.823 ± 0.097 $\chi^2/\text{NDF}: 2546.3/66$

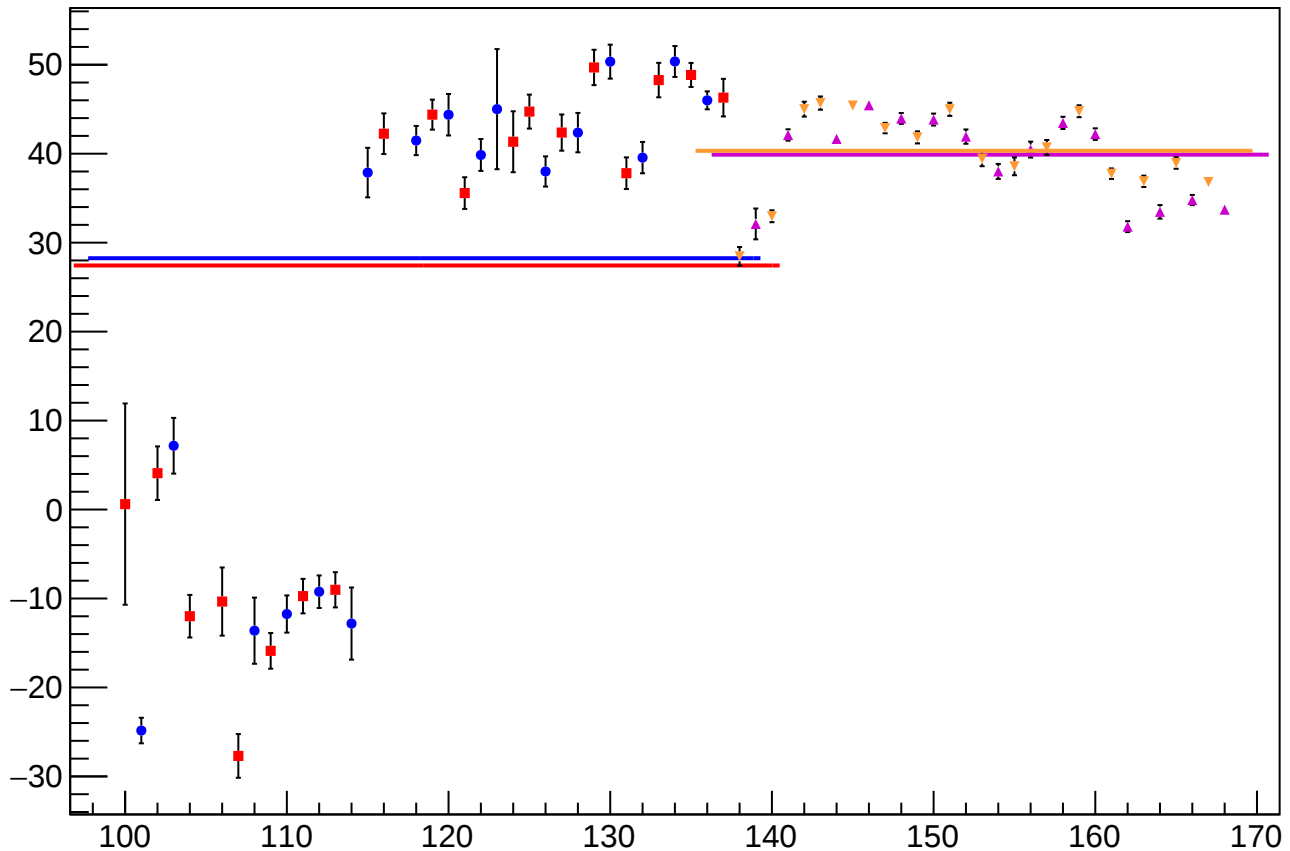
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16
 Left Out: -61.357 ± 0.203 χ^2/NDF : 2970.7/15
 Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18
 Left In: -59.229 ± 0.197 χ^2/NDF : 4421.9/14

Left: -60.262 ± 0.141 χ^2/NDF : 7449.1/30
 Right: -63.677 ± 0.528 χ^2/NDF : 815.4/35
 In: -59.469 ± 0.191 χ^2/NDF : 4813.1/31
 Out: -61.572 ± 0.196 χ^2/NDF : 3431.4/34
 All: -60.491 ± 0.137 χ^2/NDF : 8303.6/66

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250 ± 0.460 χ^2/NDF : 3319.5/16

Left Out: 40.327 ± 0.171 χ^2/NDF : 632.5/15

Right Out: 27.435 ± 0.479 χ^2/NDF : 3032.4/18

Left In: 39.892 ± 0.169 χ^2/NDF : 755.9/14

Left: 40.107 ± 0.120 χ^2/NDF : 1391.7/30

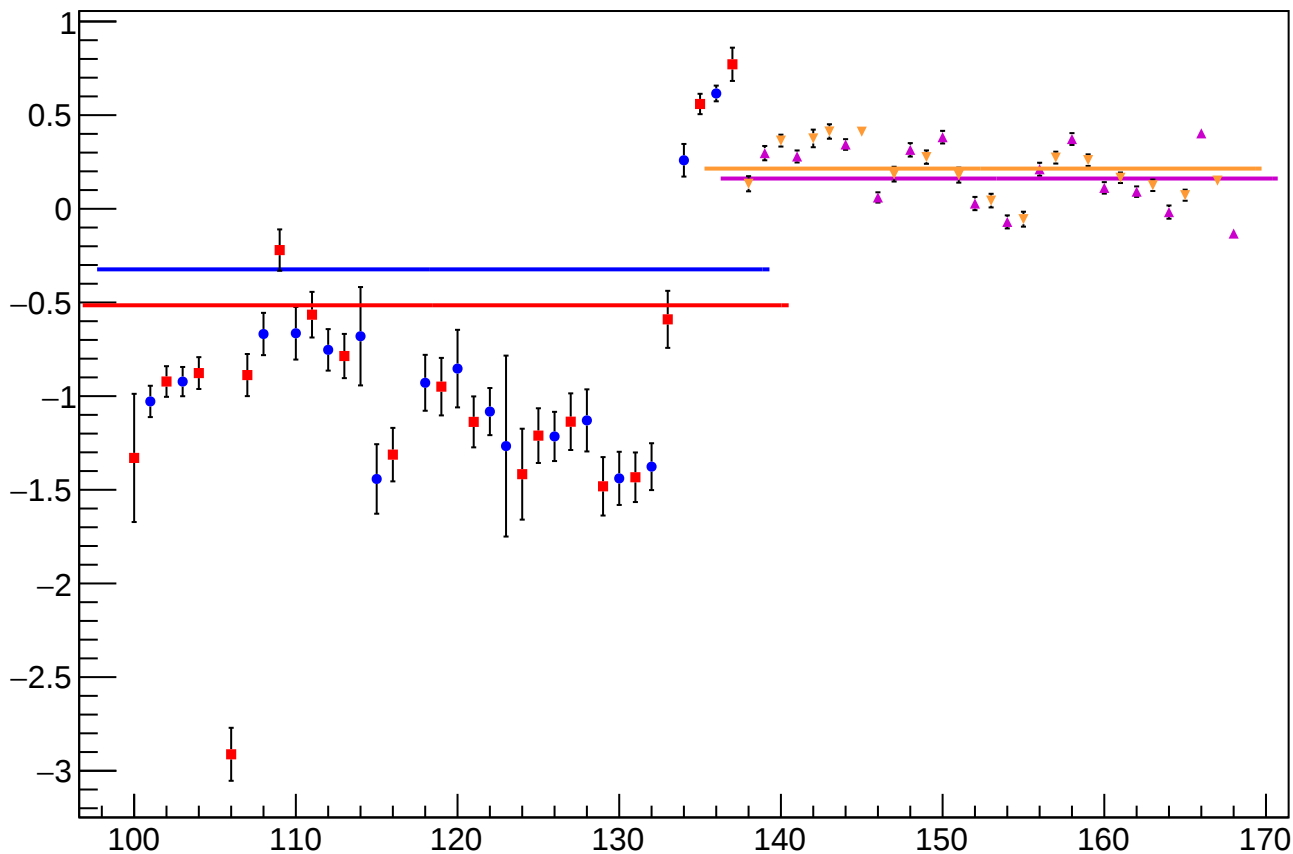
Right: 27.859 ± 0.332 χ^2/NDF : 6353.5/35

In: 38.511 ± 0.158 χ^2/NDF : 4639.7/31

Out: 38.874 ± 0.161 χ^2/NDF : 4308.3/34

All: 38.690 ± 0.113 χ^2/NDF : 8950.5/66

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: 0.215 ± 0.008 χ^2/NDF : 251.1/15

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

Left In: 0.162 ± 0.008 χ^2/NDF : 546.3/14

Left: 0.188 ± 0.006 χ^2/NDF : 819.6/30

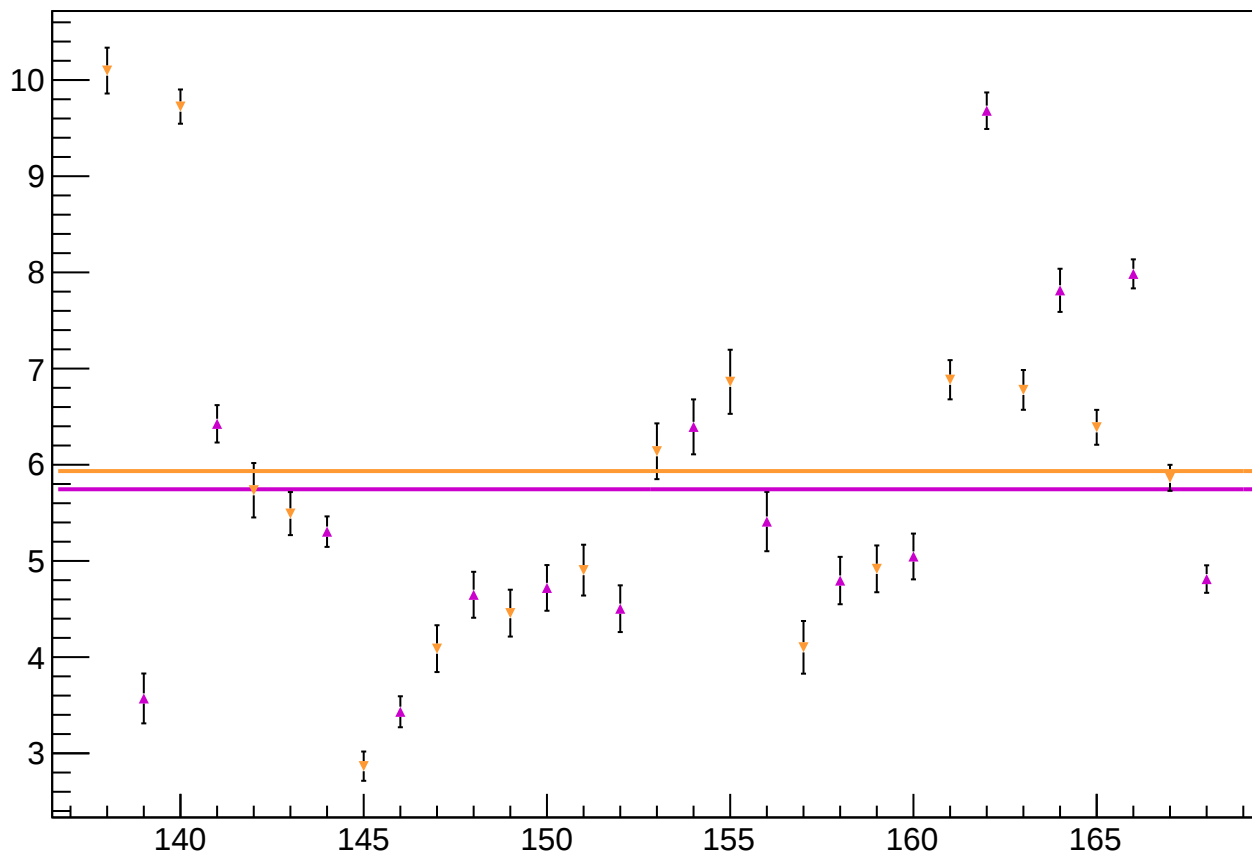
Right: -0.416 ± 0.018 χ^2/NDF : 2200.2/35

In: 0.117 ± 0.008 χ^2/NDF : 1900.2/31

Out: 0.150 ± 0.008 χ^2/NDF : 2143.2/34

All: 0.133 ± 0.005 χ^2/NDF : 4052.5/66

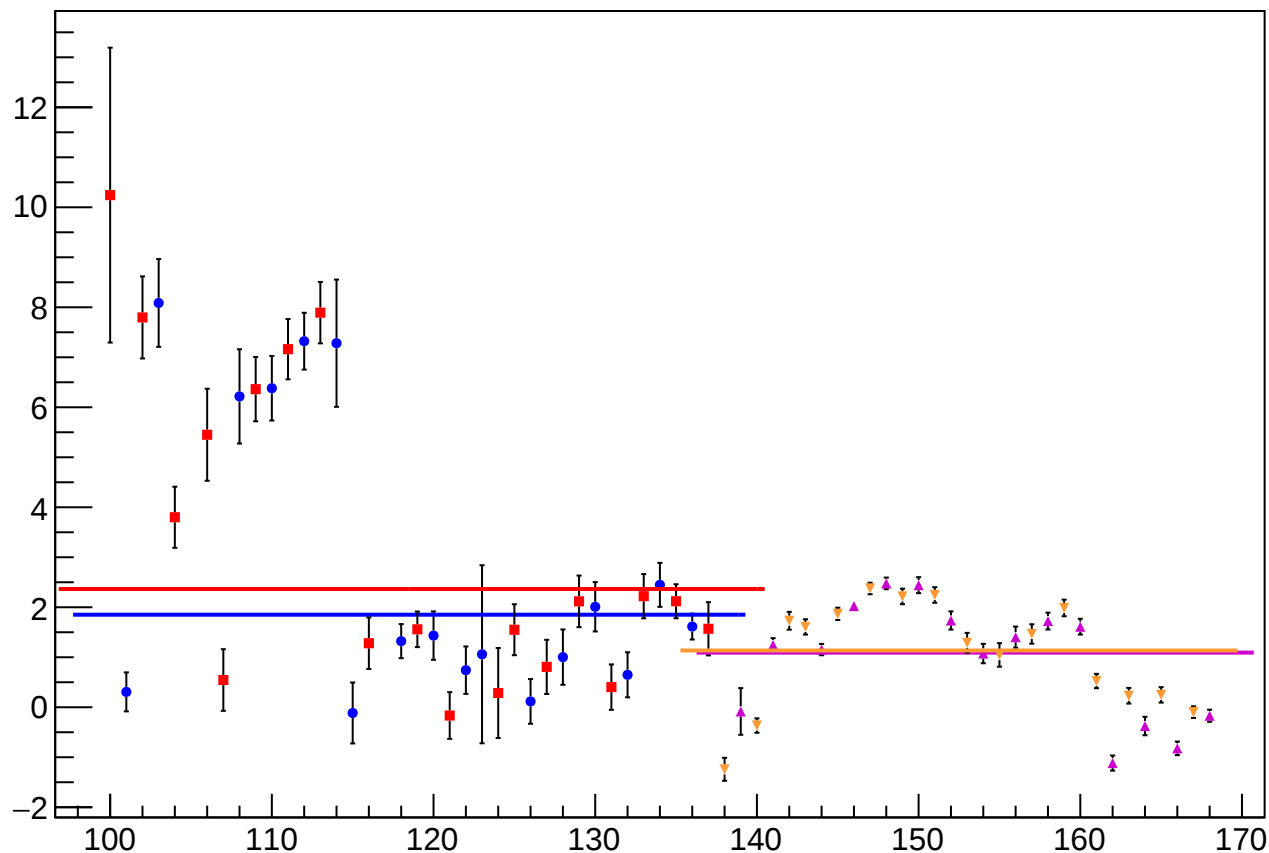
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.934+/-0.053 χ^2/NDF :1394.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.745+/-0.052 χ^2/NDF :1169.7/14

Left: 5.838+/-0.037 χ^2/NDF : 2570.5/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.745+/-0.052 χ^2/NDF :1169.7/14
 Out: 5.934+/-0.053 χ^2/NDF :1394.3/15
 All: 5.838+/-0.037 χ^2/NDF : 2570.5/30

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.135 ± 0.038 χ^2/NDF : 714.4/15

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

Left In: 1.093 ± 0.038 χ^2/NDF : 933.8/14

Left: 1.114 ± 0.027 χ^2/NDF : 1648.8/30

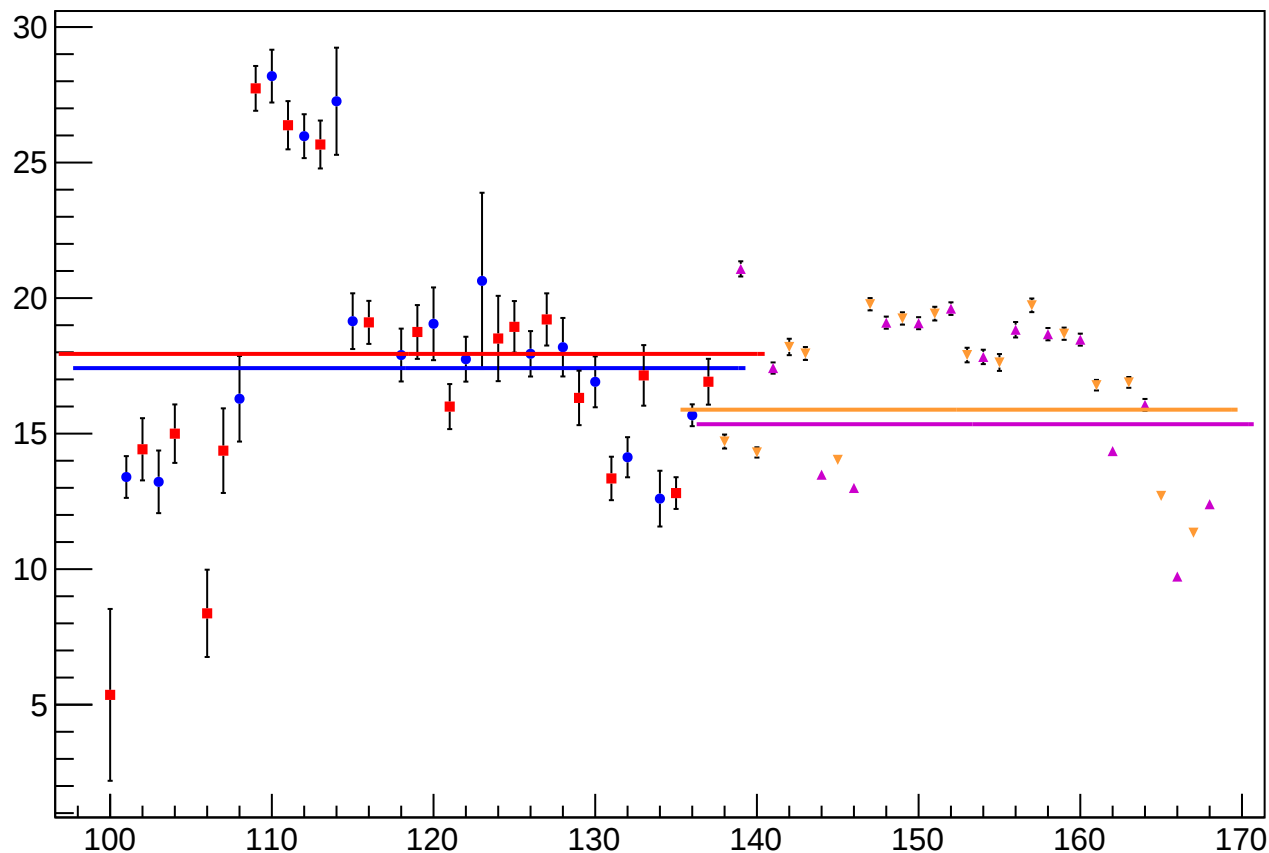
Right: 2.097 ± 0.085 χ^2/NDF : 639.6/35

In: 1.164 ± 0.036 χ^2/NDF : 1265.9/31

Out: 1.245 ± 0.037 χ^2/NDF : 1142.3/34

All: 1.204 ± 0.026 χ^2/NDF : 2410.7/66

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 15.884 $\pm$ 0.053 χ^2 /NDF:2972.7/15

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

Left In: 15.347 $\pm$ 0.051 χ^2 /NDF:4208.3/14

Left: 15.608 $\pm$ 0.037 χ^2 /NDF: 7233.9/30

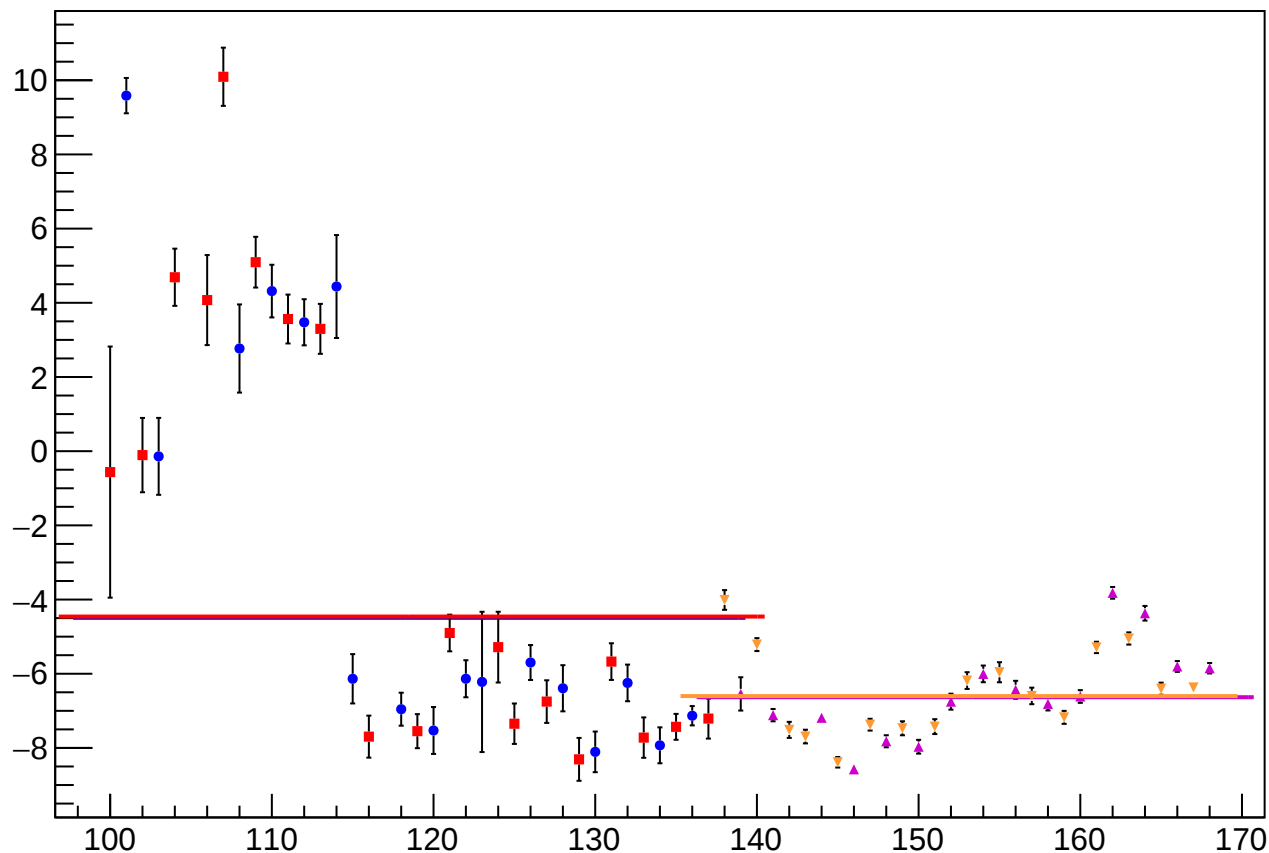
Right: 17.671 $\pm$ 0.153 χ^2 /NDF: 875.6/35

In: 15.462 $\pm$ 0.050 χ^2 /NDF:4664.8/31

Out: 15.997 $\pm$ 0.051 χ^2 /NDF:3561.6/34

All: 15.722 $\pm$ 0.036 χ^2 /NDF: 8282.2/66

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -6.602 ± 0.044 χ^2/NDF : 617.3/15

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

Left In: -6.633 ± 0.044 χ^2/NDF : 898.3/14

Left: -6.617 ± 0.031 χ^2/NDF : 1515.9/30

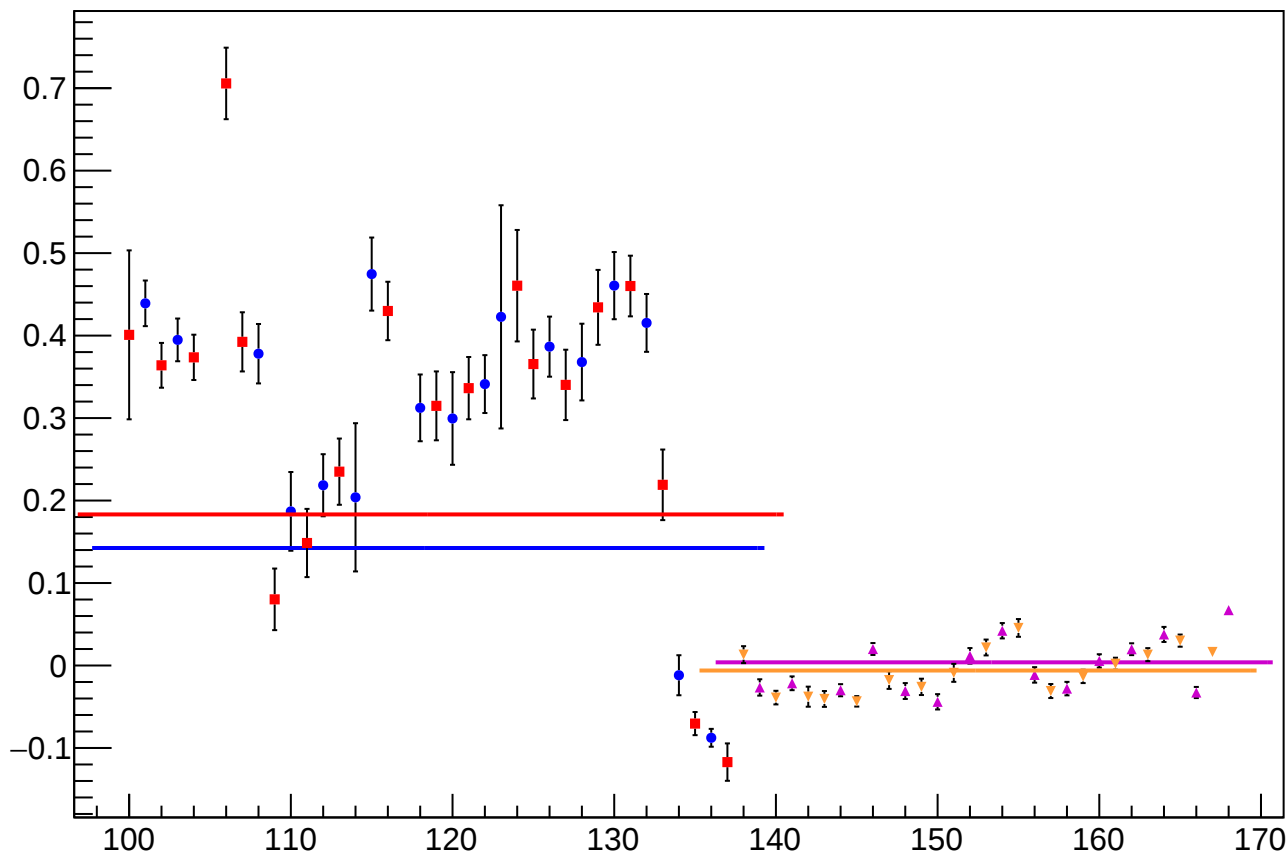
Right: -4.476 ± 0.094 χ^2/NDF : 2924.4/35

In: -6.414 ± 0.042 χ^2/NDF : 2725.6/31

Out: -6.397 ± 0.042 χ^2/NDF : 2177.7/34

All: -6.406 ± 0.030 χ^2/NDF : 4903.4/66

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.006 ± 0.002 χ^2/NDF : 167.2/15

Right Out: 0.183 ± 0.007 χ^2/NDF : 1000.9/18

Left In: 0.004 ± 0.002 χ^2/NDF : 300.6/14

Left: -0.001 ± 0.001 χ^2/NDF : 479.2/30

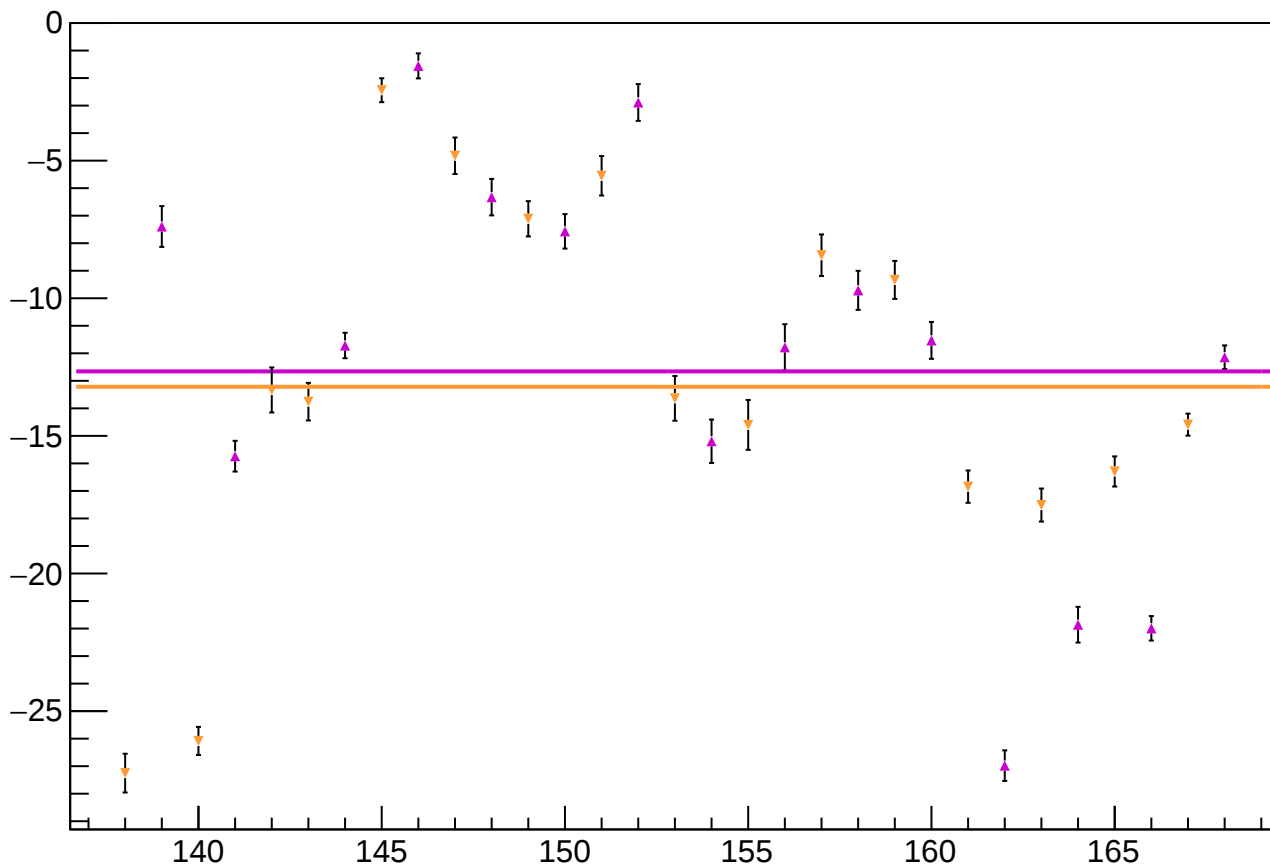
Right: 0.162 ± 0.005 χ^2/NDF : 2075.4/35

In: 0.015 ± 0.002 χ^2/NDF : 1713.7/31

Out: 0.008 ± 0.002 χ^2/NDF : 1772.3/34

All: 0.011 ± 0.001 χ^2/NDF : 3491.8/66

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: -13.216+/-0.152 χ^2 /NDF:2221.3/15

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

Left In: -12.657+/-0.149 χ^2 /NDF:2391.1/14

Left: -12.931+/-0.106 χ^2 /NDF: 4619.3/30

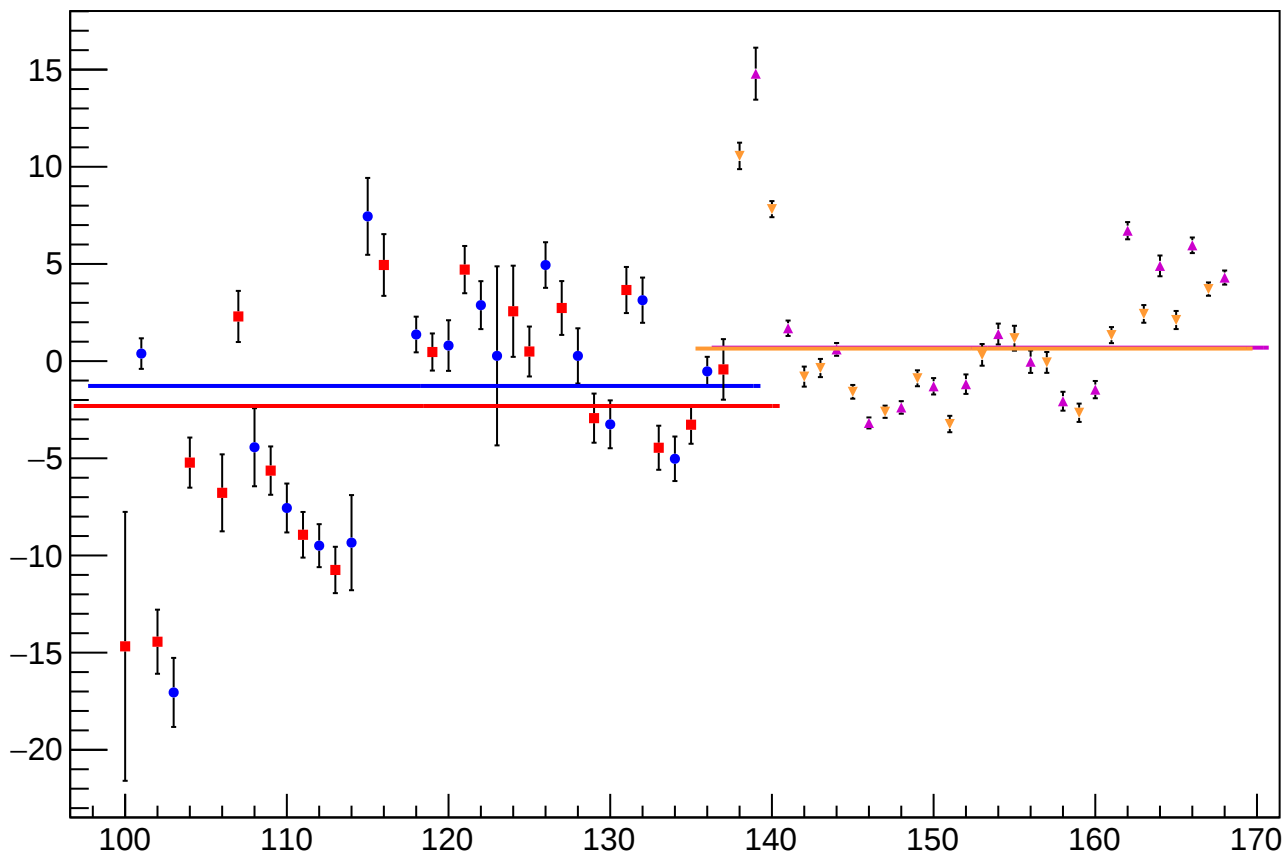
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -12.657+/-0.149 χ^2 /NDF:2391.1/14

Out: -13.216+/-0.152 χ^2 /NDF:2221.3/15

All: -12.931+/-0.106 χ^2 /NDF: 4619.3/30

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 0.646 ± 0.109 χ^2/NDF : 929.1/15

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

Left In: 0.693 ± 0.108 χ^2/NDF : 1008.7/14

Left: 0.670 ± 0.077 χ^2/NDF : 1937.9/30

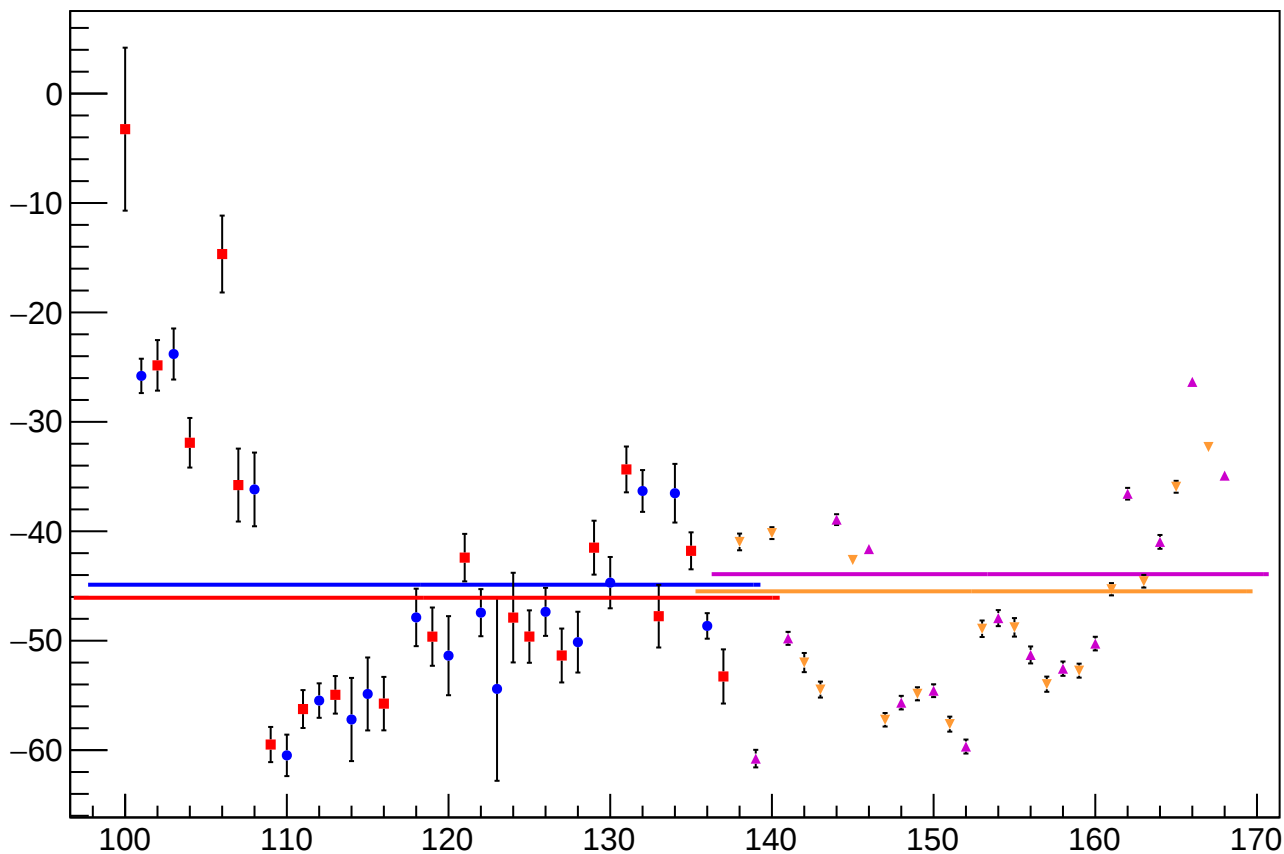
Right: -1.776 ± 0.210 χ^2/NDF : 567.8/35

In: 0.457 ± 0.101 χ^2/NDF : 1325.2/31

Out: 0.303 ± 0.103 χ^2/NDF : 1298.9/34

All: 0.382 ± 0.072 χ^2/NDF : 2625.2/66

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$

Left Out: -45.487 ± 0.151 $\chi^2/\text{NDF}: 2959.7/15$

Right Out: -46.075 ± 0.529 $\chi^2/\text{NDF}: 454.3/18$

Left In: -43.919 ± 0.147 $\chi^2/\text{NDF}: 4507.0/14$

Left: -44.681 ± 0.105 $\chi^2/\text{NDF}: 7522.0/30$

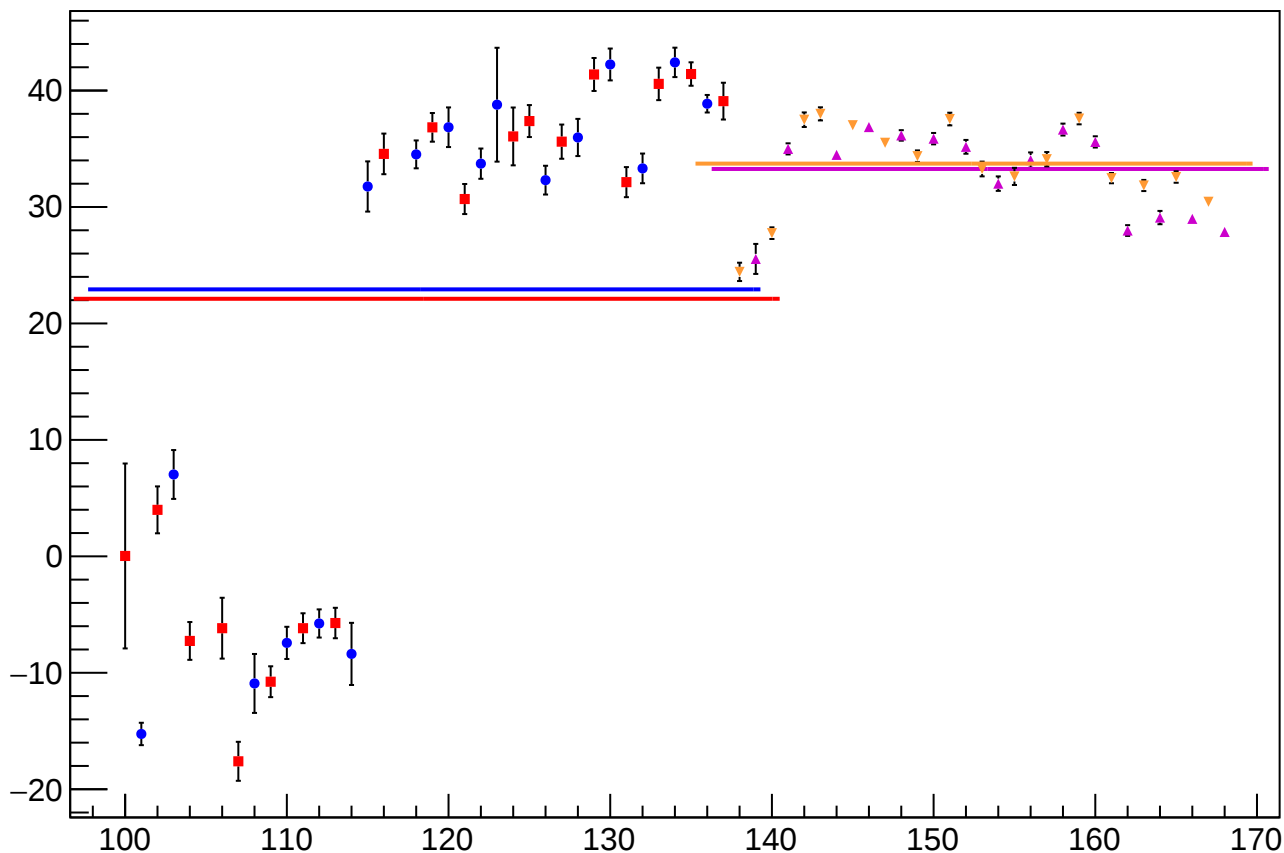
Right: -45.474 ± 0.372 $\chi^2/\text{NDF}: 877.8/35$

In: -43.989 ± 0.142 $\chi^2/\text{NDF}: 4931.1/31$

Out: -45.532 ± 0.145 $\chi^2/\text{NDF}: 3415.1/34$

All: -44.740 ± 0.101 $\chi^2/\text{NDF}: 8404.1/66$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 33.725 $\pm$ 0.127 χ^2 /NDF:678.3/15

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

Left In: 33.264 $\pm$ 0.126 χ^2 /NDF:760.7/14

Left: 33.493 $\pm$ 0.089 χ^2 /NDF: 1445.7/30

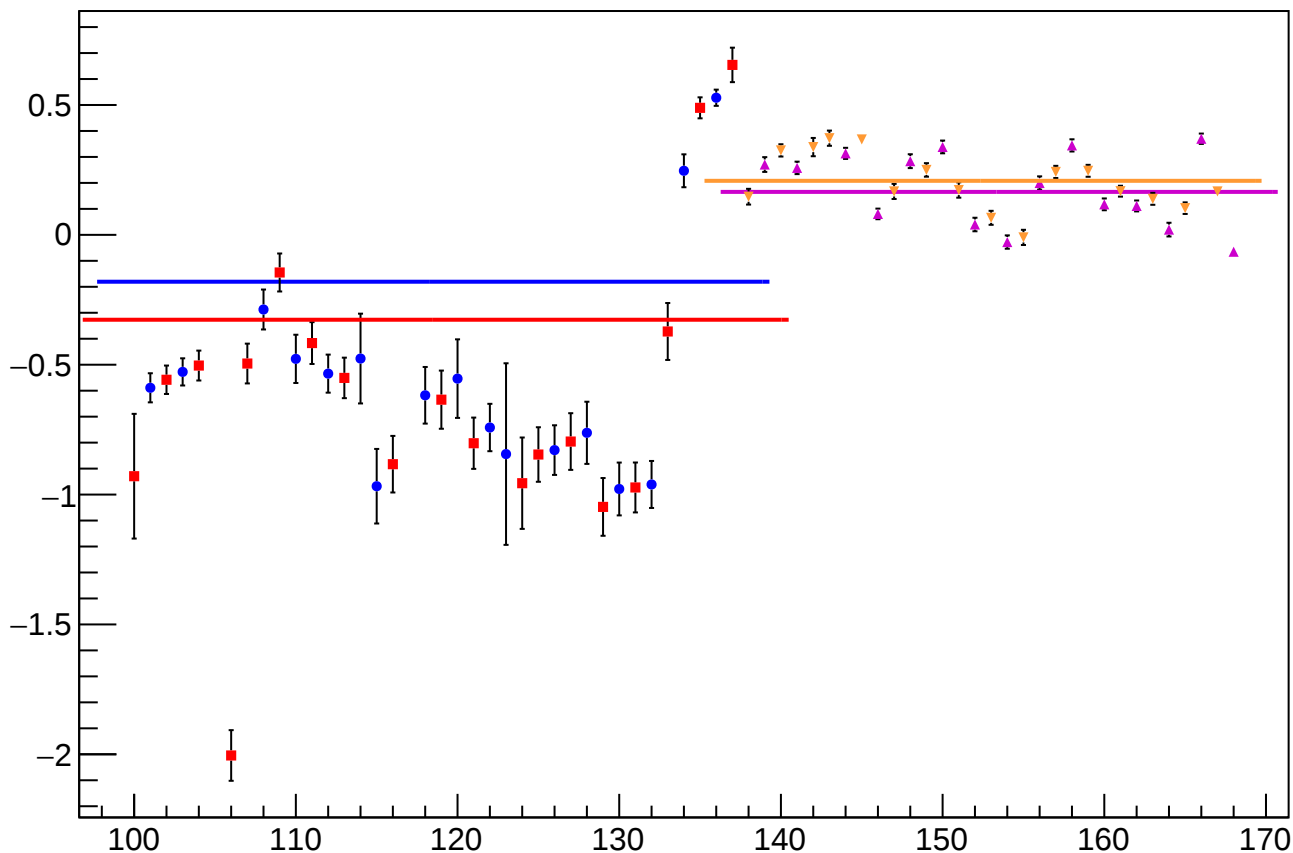
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 31.939 $\pm$ 0.117 χ^2 /NDF:5956.6/31

Out: 32.301 $\pm$ 0.119 χ^2 /NDF:5734.7/34

All: 32.118 $\pm$ 0.084 χ^2 /NDF: 11696.0/66

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: 0.208 ± 0.006 χ^2/NDF : 286.8/15

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.165 ± 0.006 χ^2/NDF : 647.0/14

Left: 0.186 ± 0.004 χ^2/NDF : 959.5/30

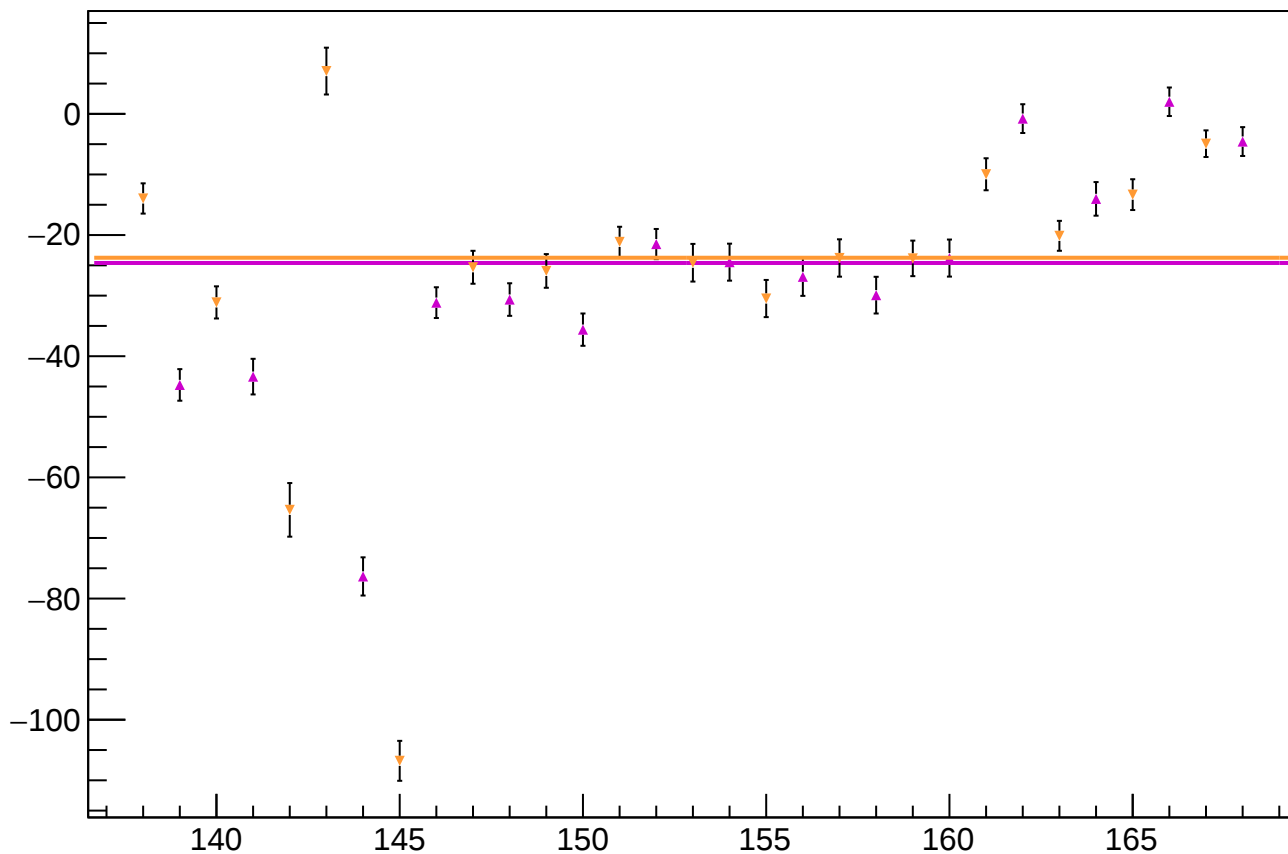
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.131 ± 0.006 χ^2/NDF : 1984.0/31

Out: 0.156 ± 0.006 χ^2/NDF : 2241.6/34

All: 0.143 ± 0.004 χ^2/NDF : 4235.1/66

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.746+/-0.701 χ^2/NDF :936.0/15

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

Left In: -24.610+/-0.699 χ^2/NDF :717.4/14

Left: -24.179+/-0.495 χ^2/NDF : 1654.2/30

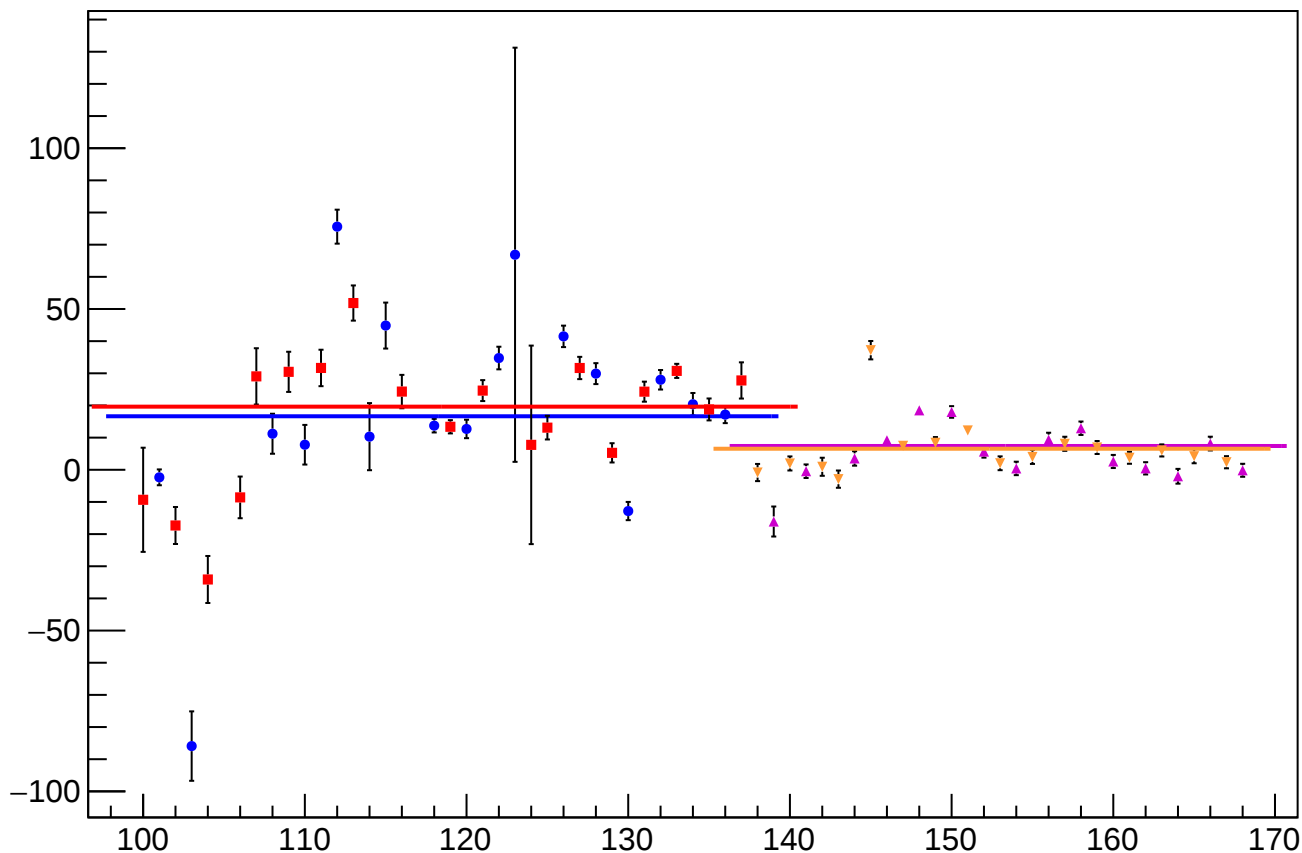
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.610+/-0.699 χ^2/NDF :717.4/14

Out: -23.746+/-0.701 χ^2/NDF :936.0/15

All: -24.179+/-0.495 χ^2/NDF : 1654.2/30

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 $\pm$ 0.859 χ^2 /NDF: 518.9/16

Left Out: 6.543 $\pm$ 0.495 χ^2 /NDF:175.8/15

Right Out: 19.632 $\pm$ 0.896 χ^2 /NDF: 241.7/18

Left In: 7.400 $\pm$ 0.504 χ^2 /NDF:219.4/14

Left: 6.963 $\pm$ 0.353 χ^2 /NDF: 396.7/30

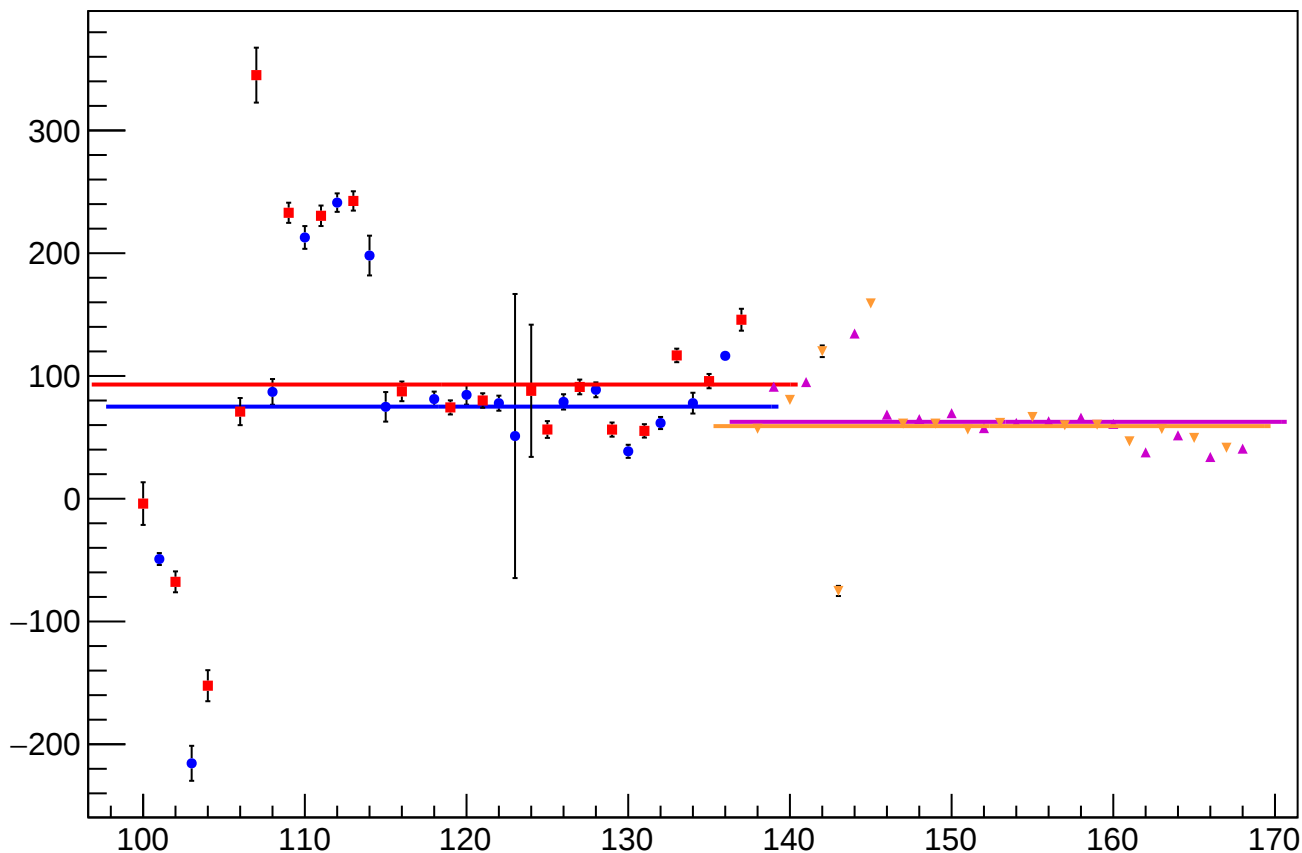
Right: 18.072 $\pm$ 0.620 χ^2 /NDF: 766.4/35

In: 9.769 $\pm$ 0.435 χ^2 /NDF:824.4/31

Out: 9.600 $\pm$ 0.433 χ^2 /NDF:581.0/34

All: 9.684 $\pm$ 0.307 χ^2 /NDF: 1405.4/66

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032+/-1.647 χ^2/NDF : 1999.7/16

Left Out: 59.145+/-0.687 χ^2/NDF : 2246.1/15

Right Out: 93.028+/-1.711 χ^2/NDF : 2003.6/18

Left In: 62.641+/-0.683 χ^2/NDF : 1046.1/14

Left: 60.905+/-0.484 χ^2/NDF : 3305.3/30

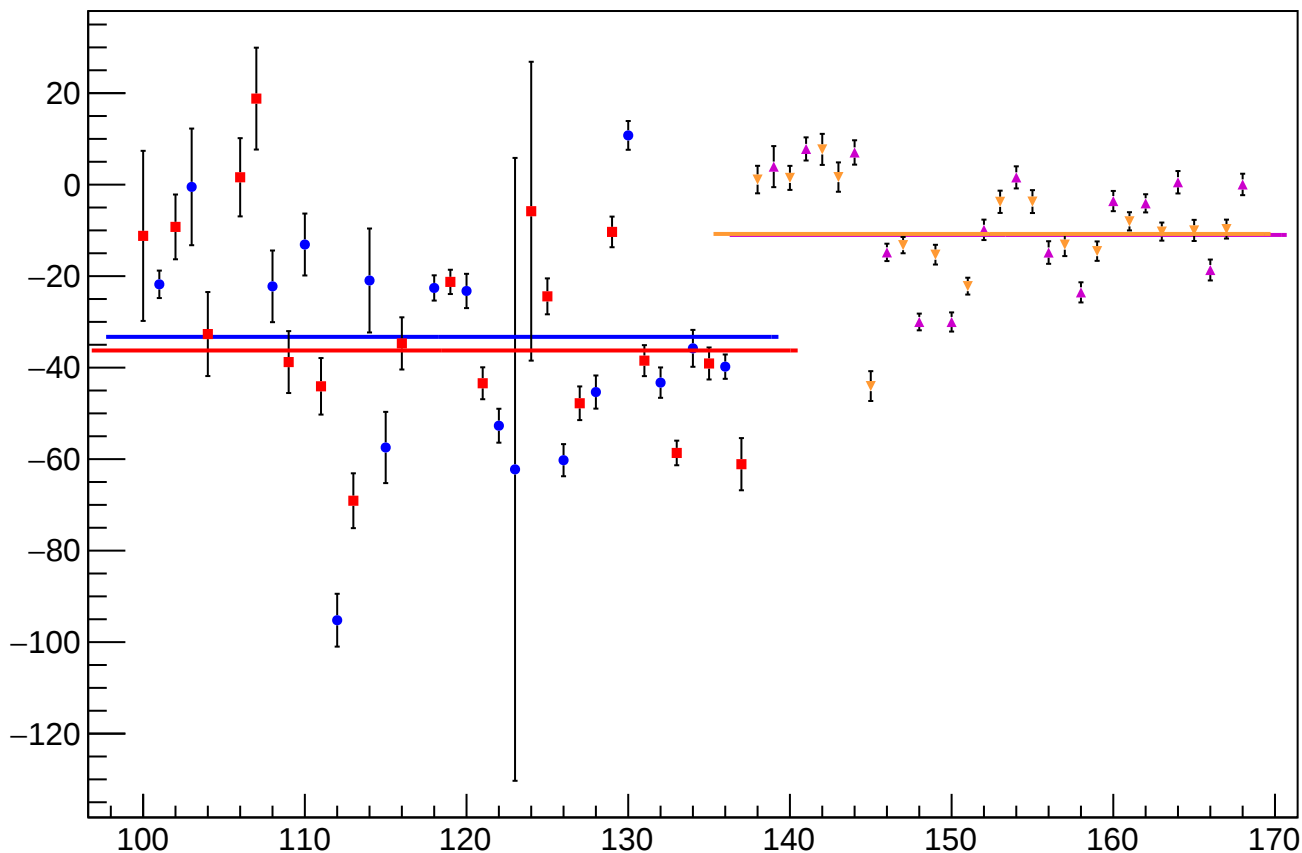
Right: 83.683+/-1.187 χ^2/NDF : 4060.7/35

In: 64.459+/-0.631 χ^2/NDF : 3094.1/31

Out: 63.852+/-0.638 χ^2/NDF : 4587.3/34

All: 64.159+/-0.448 χ^2/NDF : 7681.9/66

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: -10.776 ± 0.578 $\chi^2/\text{NDF}: 253.3/15$

Right Out: -36.251 ± 1.024 $\chi^2/\text{NDF}: 297.6/18$

Left In: -10.994 ± 0.588 $\chi^2/\text{NDF}: 448.4/14$

Left: -10.883 ± 0.412 $\chi^2/\text{NDF}: 701.8/30$

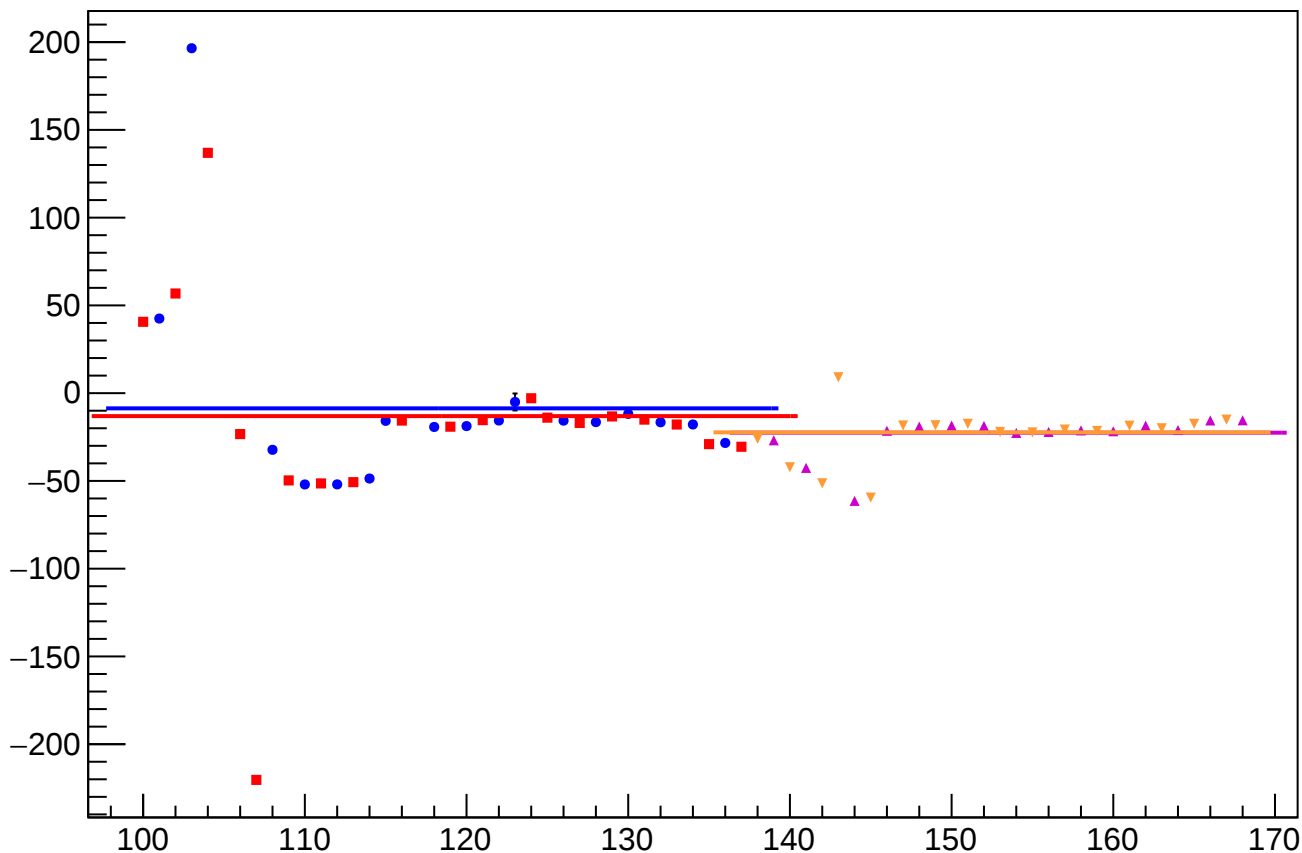
Right: -34.699 ± 0.709 $\chi^2/\text{NDF}: 791.4/35$

In: -16.872 ± 0.504 $\chi^2/\text{NDF}: 1316.7/31$

Out: -16.926 ± 0.503 $\chi^2/\text{NDF}: 1020.5/34$

All: -16.899 ± 0.356 $\chi^2/\text{NDF}: 2337.2/66$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -22.329 ± 0.027 $\chi^2/\text{NDF}: 178202.5/15$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

Left In: -22.518 ± 0.027 $\chi^2/\text{NDF}: 113391.4/14$

Left: -22.424 ± 0.019 $\chi^2/\text{NDF}: 291618.5/30$

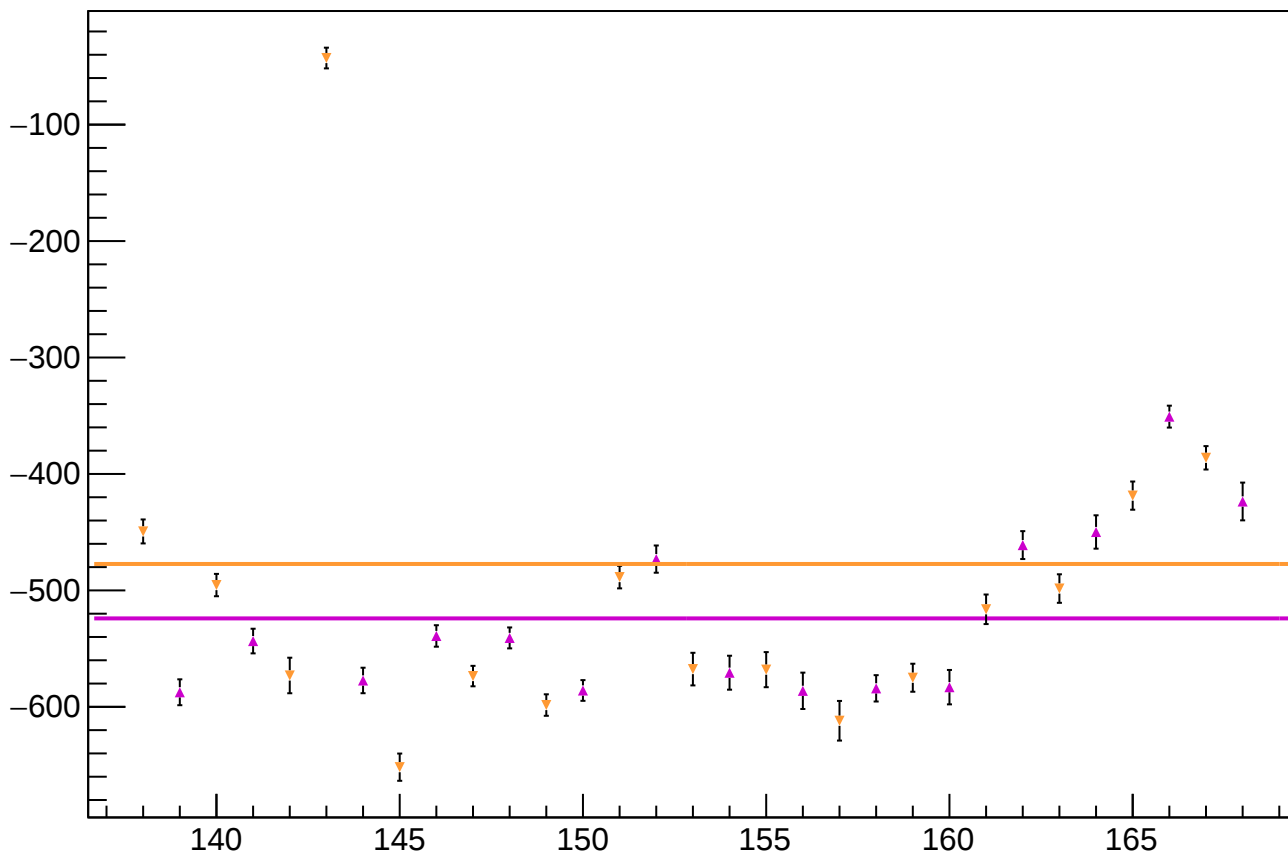
Right: -10.767 ± 0.043 $\chi^2/\text{NDF}: 1136731.7/35$

In: -20.142 ± 0.024 $\chi^2/\text{NDF}: 734738.8/31$

Out: -20.841 ± 0.025 $\chi^2/\text{NDF}: 755313.8/34$

All: -20.487 ± 0.017 $\chi^2/\text{NDF}: 1490455.3/66$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -477.304+/-2.781 χ^2/NDF :3274.7/15

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

Left In: -524.049+/-2.916 χ^2/NDF :635.6/14

Left: -499.568+/-2.012 χ^2/NDF : 4044.9/30

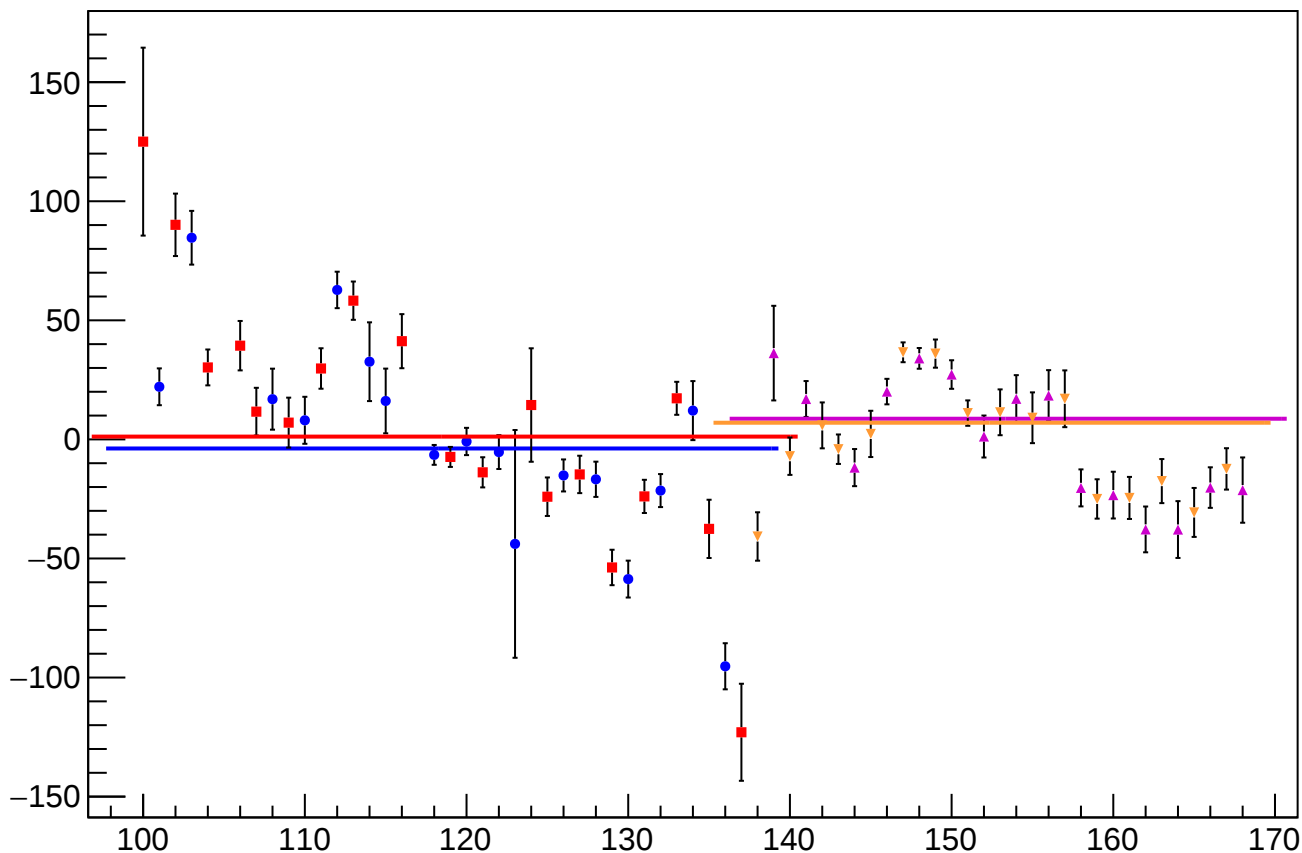
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -524.049+/-2.916 χ^2/NDF :635.6/14

Out: -477.304+/-2.781 χ^2/NDF :3274.7/15

All: -499.568+/-2.012 χ^2/NDF : 4044.9/30

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 6.999 ± 1.878 χ^2/NDF : 158.1/15

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

Left In: 8.678 ± 2.009 χ^2/NDF : 139.8/14

Left: 7.782 ± 1.372 χ^2/NDF : 298.3/30

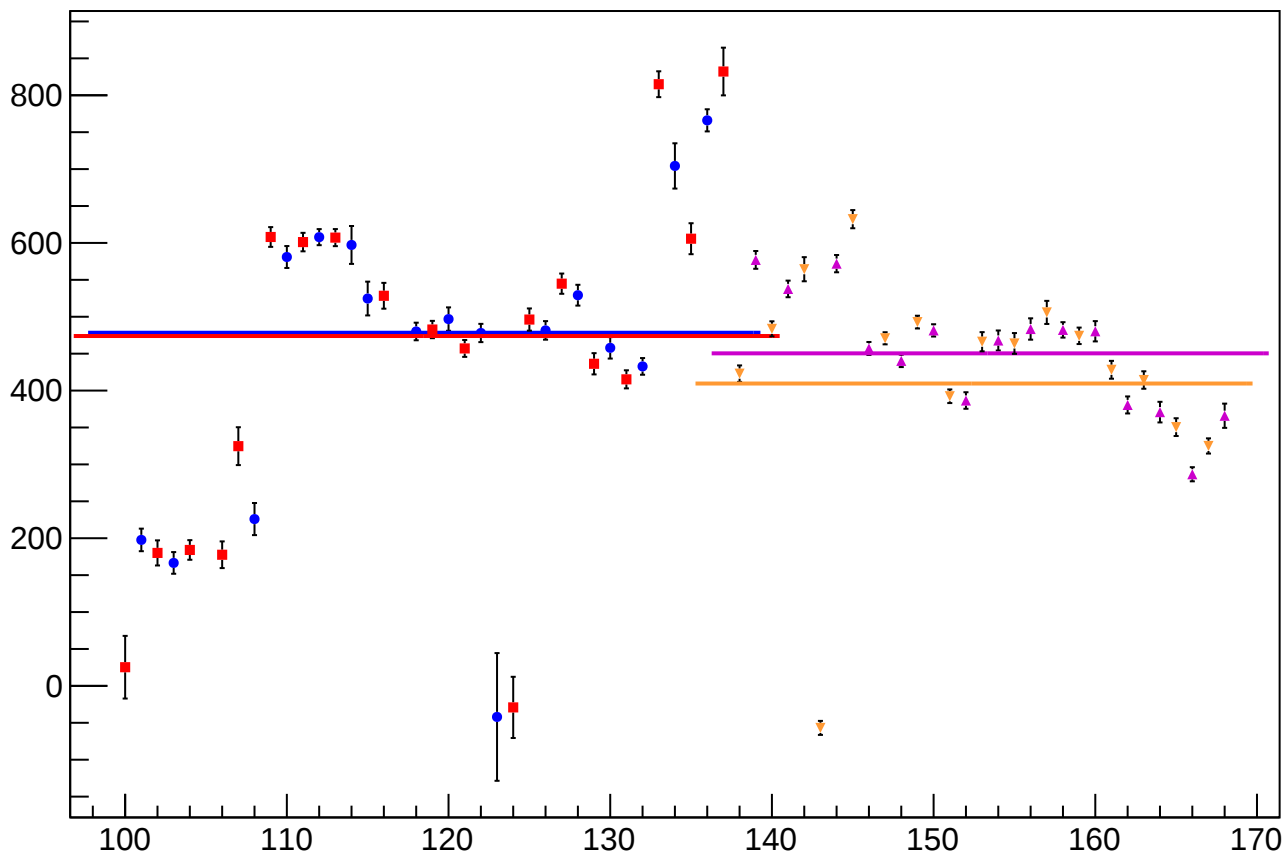
Right: -1.308 ± 1.356 χ^2/NDF : 621.6/35

In: 2.157 ± 1.389 χ^2/NDF : 474.3/31

Out: 4.141 ± 1.341 χ^2/NDF : 466.7/34

All: 3.185 ± 0.965 χ^2/NDF : 942.1/66

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334+/-3.662 χ^2 /NDF: 1628.8/16

Left Out: 409.555+/-2.747 χ^2 /NDF:3233.9/15

Right Out: 473.902+/-3.531 χ^2 /NDF: 2285.0/18

Left In: 450.423+/-2.846 χ^2 /NDF:735.4/14

Left: 429.265+/-1.977 χ^2 /NDF: 4076.0/30

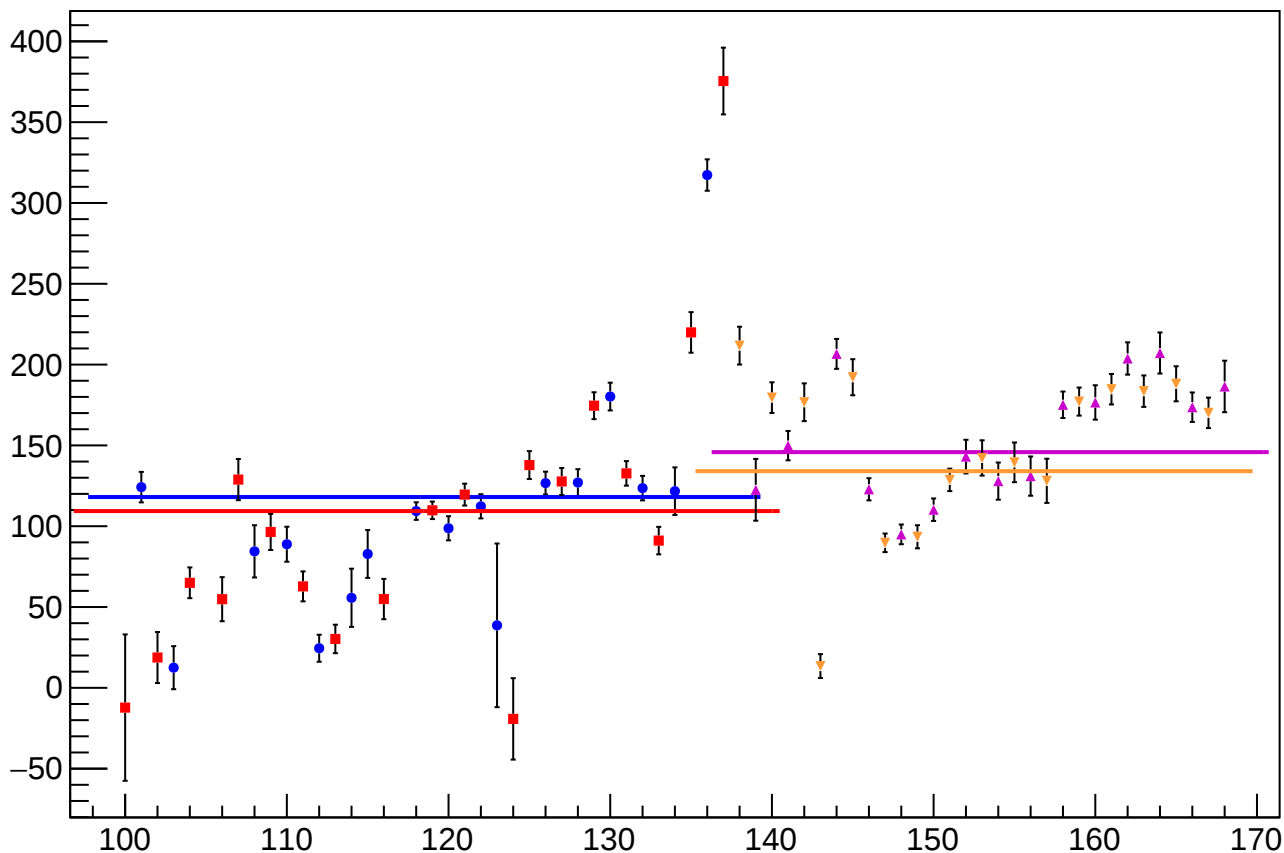
Right: 476.038+/-2.542 χ^2 /NDF: 3914.6/35

In: 460.935+/-2.247 χ^2 /NDF:2400.4/31

Out: 433.819+/-2.168 χ^2 /NDF:5725.8/34

All: 446.891+/-1.560 χ^2 /NDF: 8201.6/66

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: 134.057 $\pm$ 2.248 χ^2 /NDF:585.8/15

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

Left In: 145.839 $\pm$ 2.391 χ^2 /NDF:249.9/14

Left: 139.583 $\pm$ 1.638 χ^2 /NDF: 848.6/30

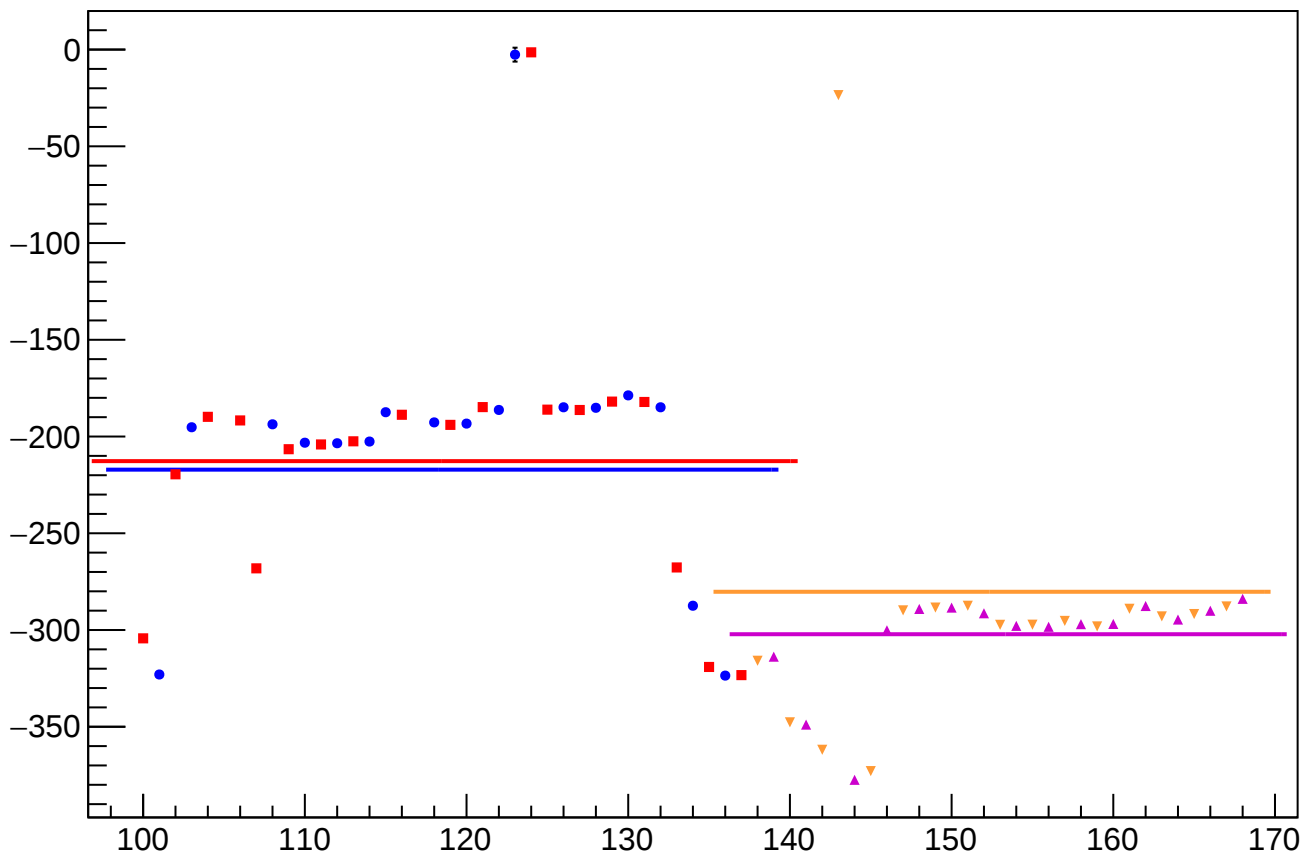
Right: 113.671 $\pm$ 1.566 χ^2 /NDF: 1282.8/35

In: 130.948 $\pm$ 1.629 χ^2 /NDF:1027.5/31

Out: 121.474 $\pm$ 1.574 χ^2 /NDF:1217.1/34

All: 126.048 $\pm$ 1.132 χ^2 /NDF: 2262.1/66

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -280.238 ± 0.111 $\chi^2/\text{NDF}: 545939.4/15$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

Left In: -302.175 ± 0.114 $\chi^2/\text{NDF}: 39585.8/14$

Left: -290.857 ± 0.080 $\chi^2/\text{NDF}: 604519.9/30$

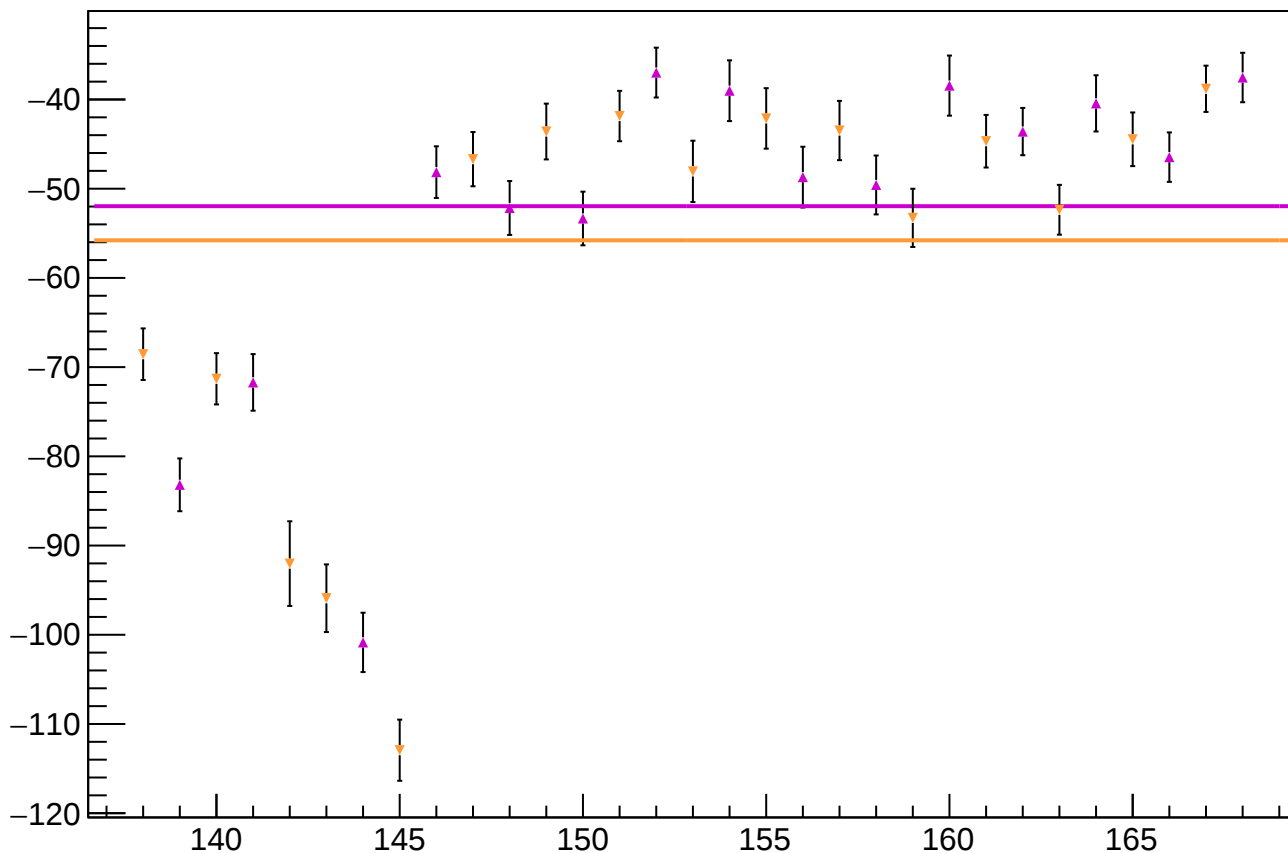
Right: -214.812 ± 0.094 $\chi^2/\text{NDF}: 262670.9/35$

In: -267.131 ± 0.088 $\chi^2/\text{NDF}: 414189.0/31$

Out: -251.889 ± 0.084 $\chi^2/\text{NDF}: 817598.4/34$

All: -259.216 ± 0.061 $\chi^2/\text{NDF}: 1247484.8/66$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



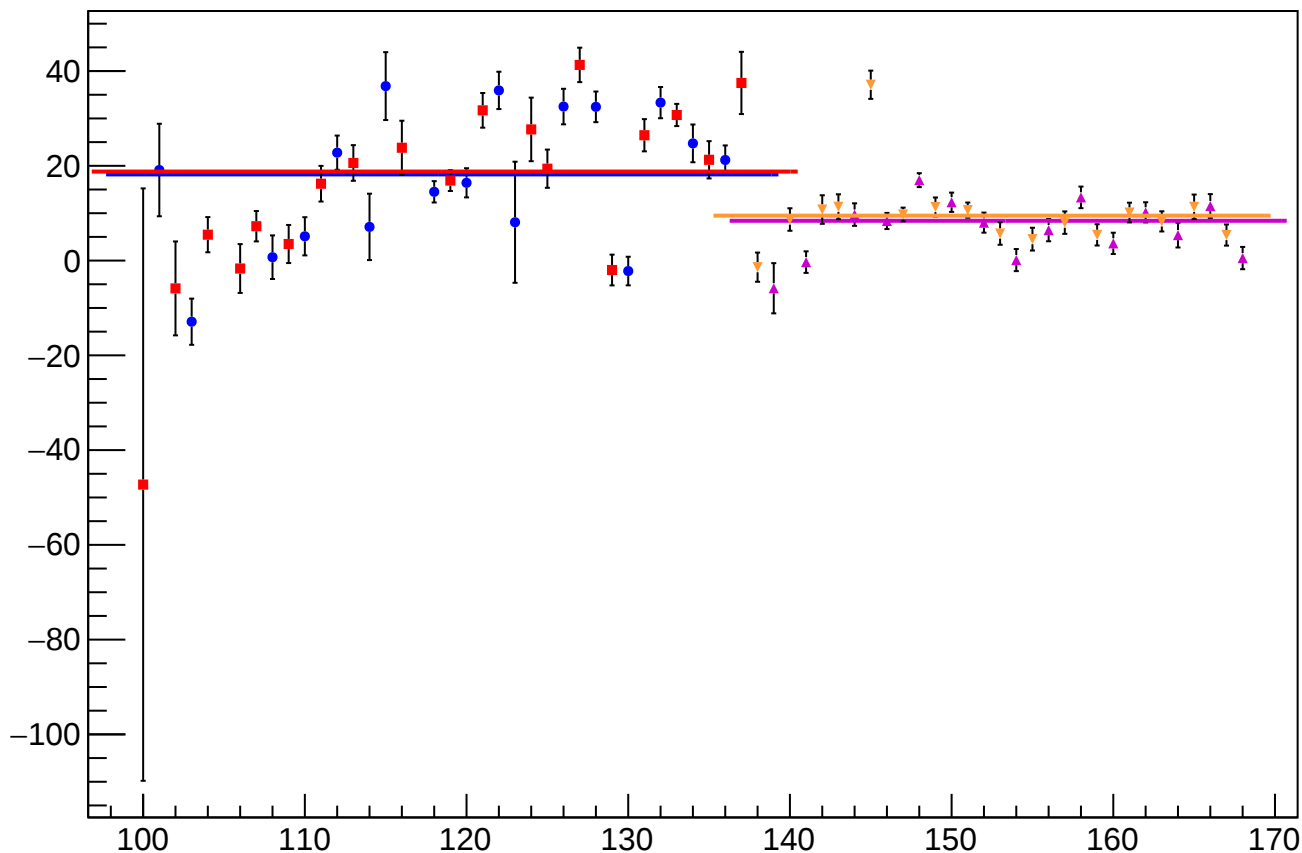
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -55.785+/-0.782 χ^2/NDF : 653.7/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -51.960+/-0.784 χ^2/NDF : 483.2/14

Left: -53.877+/-0.554 χ^2/NDF : 1148.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -51.960+/-0.784 χ^2/NDF : 483.2/14
 Out: -55.785+/-0.782 χ^2/NDF : 653.7/15

All: -53.877+/-0.554 χ^2/NDF : 1148.8/30

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.484 ± 0.551 χ^2/NDF : 115.2/15

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

Left In: 8.400 ± 0.565 χ^2/NDF : 97.4/14

Left: 8.955 ± 0.394 χ^2/NDF : 214.5/30

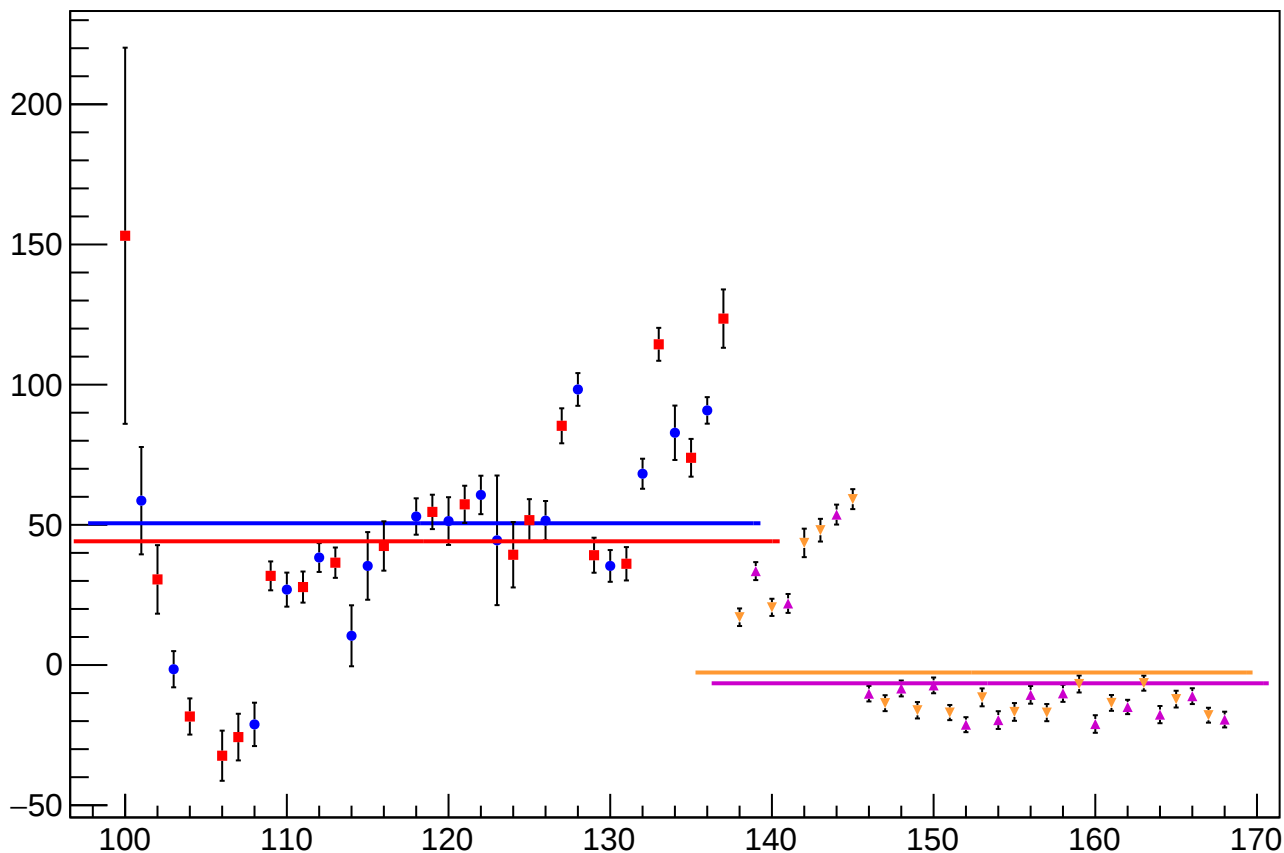
Right: 18.508 ± 0.628 χ^2/NDF : 403.9/35

In: 11.089 ± 0.481 χ^2/NDF : 384.9/31

Out: 12.181 ± 0.464 χ^2/NDF : 396.7/34

All: 11.654 ± 0.334 χ^2/NDF : 784.2/66

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: -2.665+/-0.768 χ^2/NDF : 813.8/15

Right Out: 44.132+/-1.603 χ^2/NDF : 532.5/18

Left In: -6.513+/-0.765 χ^2/NDF : 635.6/14

Left: -4.595+/-0.542 χ^2/NDF : 1461.9/30

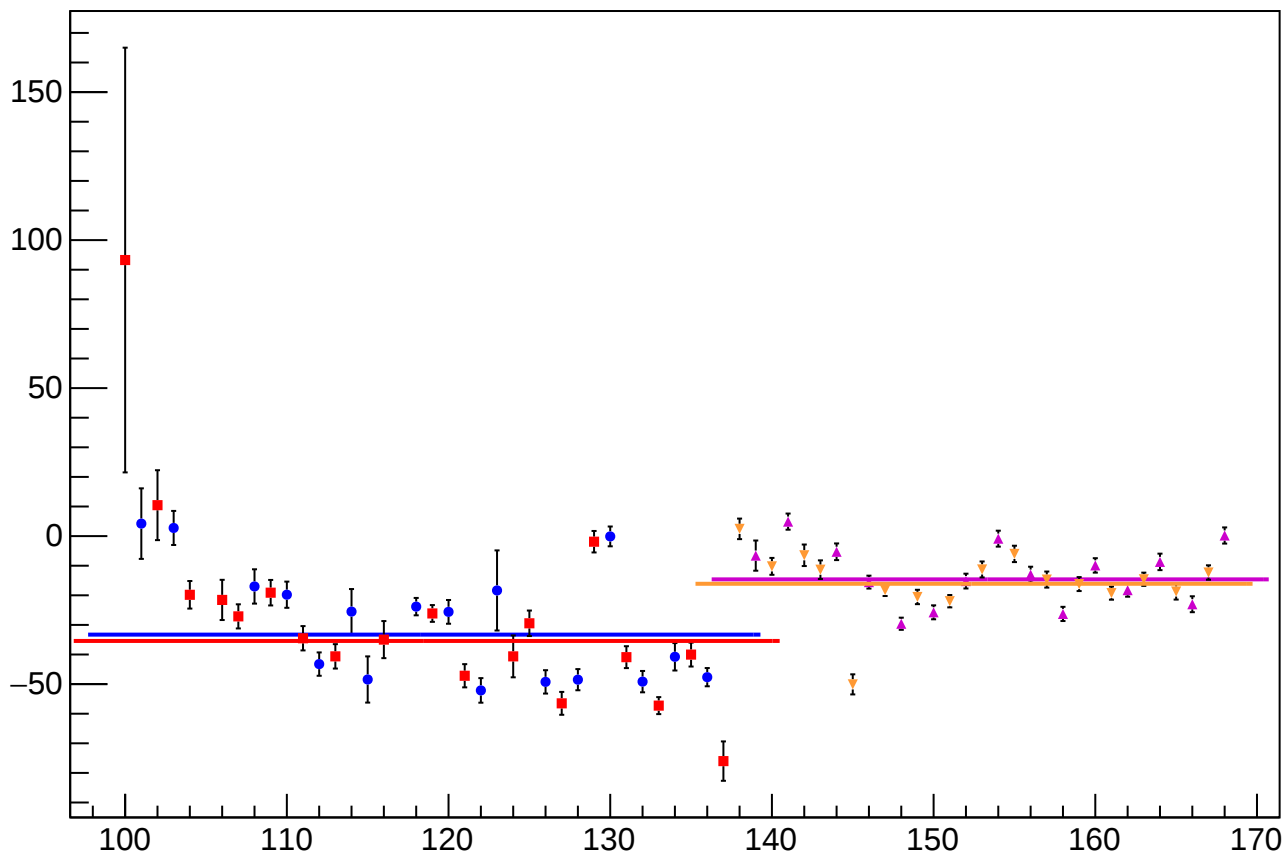
Right: 47.201+/-1.159 χ^2/NDF : 898.2/35

In: 3.322+/-0.696 χ^2/NDF : 1951.7/31

Out: 6.071+/-0.692 χ^2/NDF : 2039.9/34

All: 4.704+/-0.491 χ^2/NDF : 3999.4/66

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.106 ± 0.644 χ^2/NDF : 177.3/15

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

Left In: -14.615 ± 0.658 χ^2/NDF : 240.7/14

Left: -15.376 ± 0.460 χ^2/NDF : 420.7/30

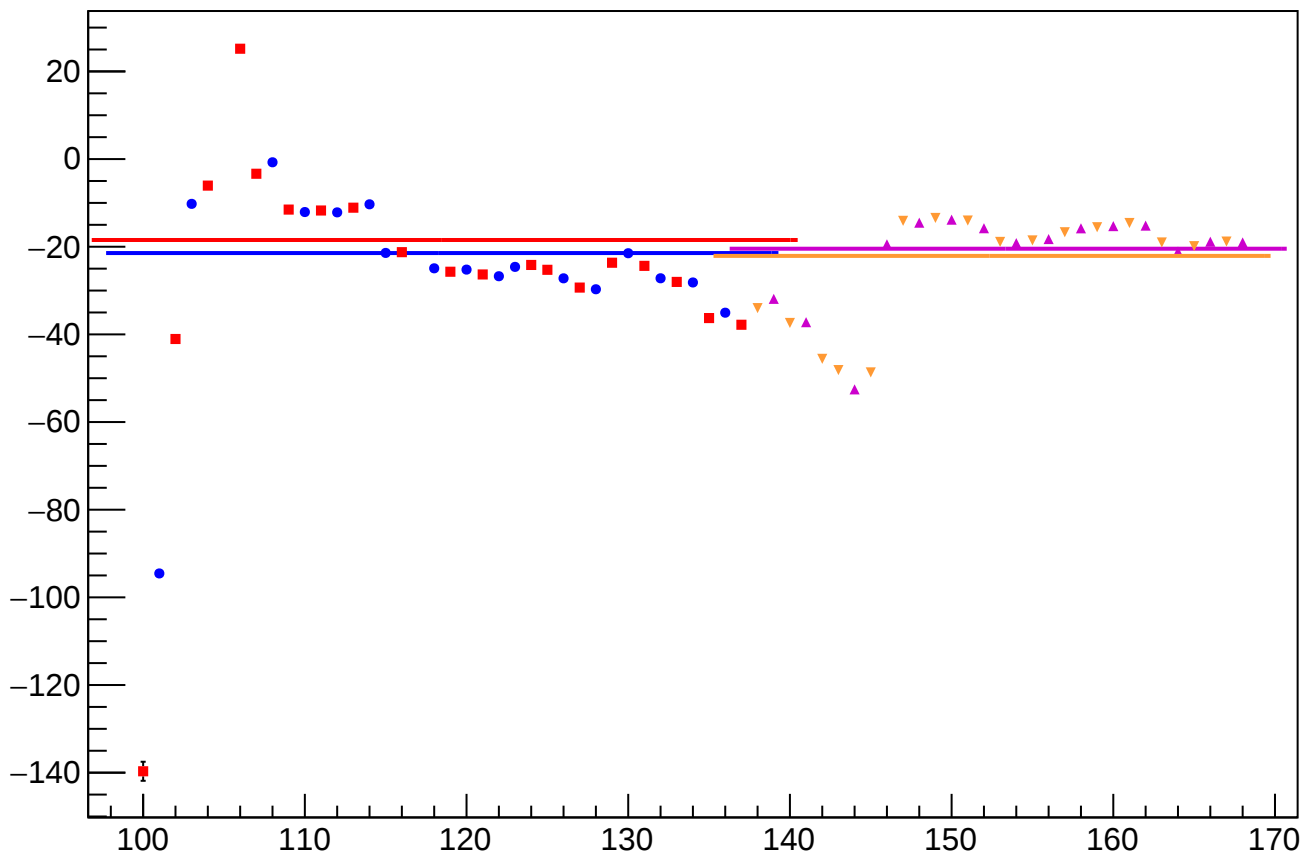
Right: -34.404 ± 0.719 χ^2/NDF : 582.0/35

In: -19.922 ± 0.556 χ^2/NDF : 759.8/31

Out: -21.838 ± 0.540 χ^2/NDF : 733.9/34

All: -20.909 ± 0.388 χ^2/NDF : 1499.8/66

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Left: -21.269 ± 0.021 $\chi^2/\text{NDF}: 210534.6/30$

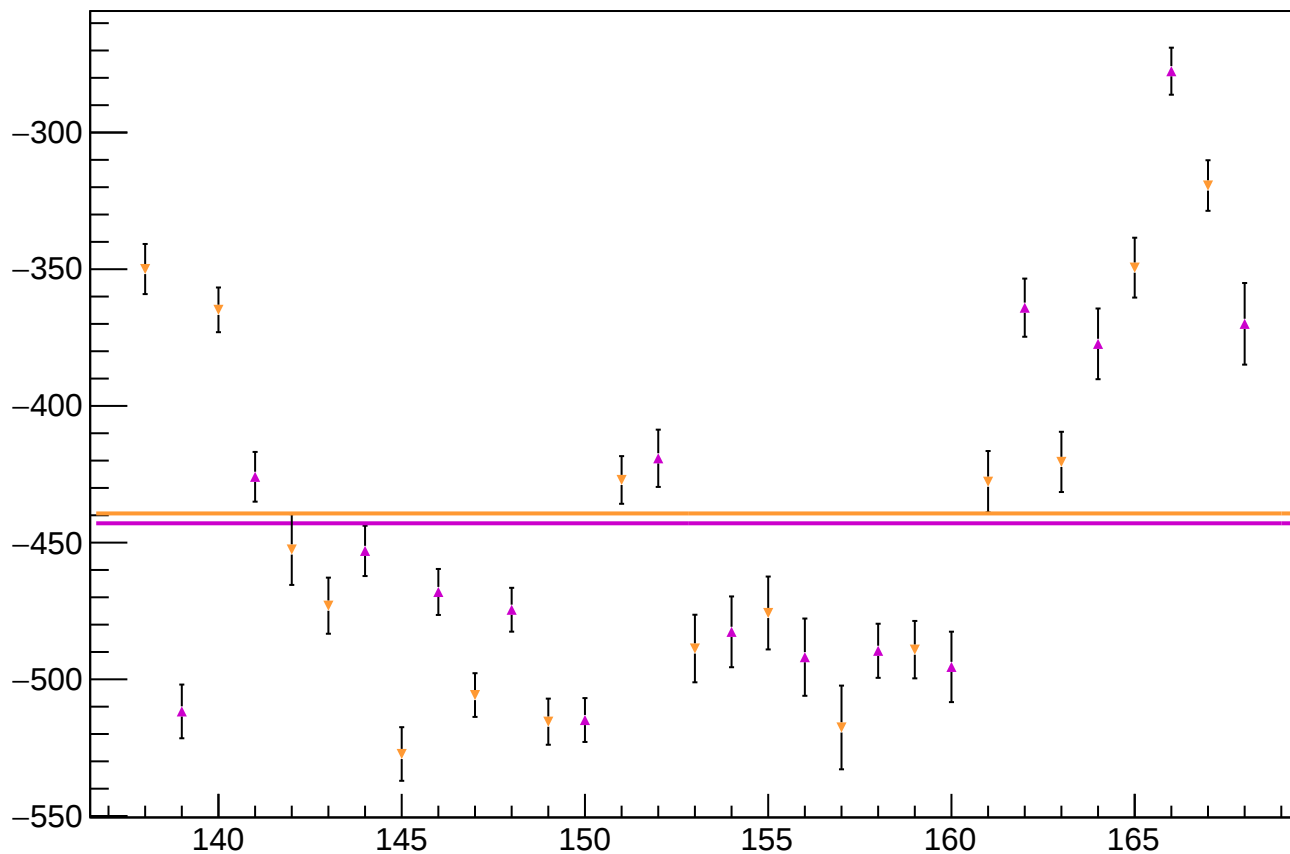
Right: -19.914 ± 0.041 $\chi^2/\text{NDF}: 130751.2/35$

In: -20.657 ± 0.027 $\chi^2/\text{NDF}: 132263.9/31$

Out: -21.305 ± 0.027 $\chi^2/\text{NDF}: 209584.9/34$

All: -20.982 ± 0.019 $\chi^2/\text{NDF}: 342142.0/66$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -439.327+/-2.522 χ^2/NDF : 734.6/15

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

Left In: -442.932+/-2.594 χ^2/NDF : 697.9/14

Left: -441.078+/-1.808 χ^2/NDF : 1433.5/30

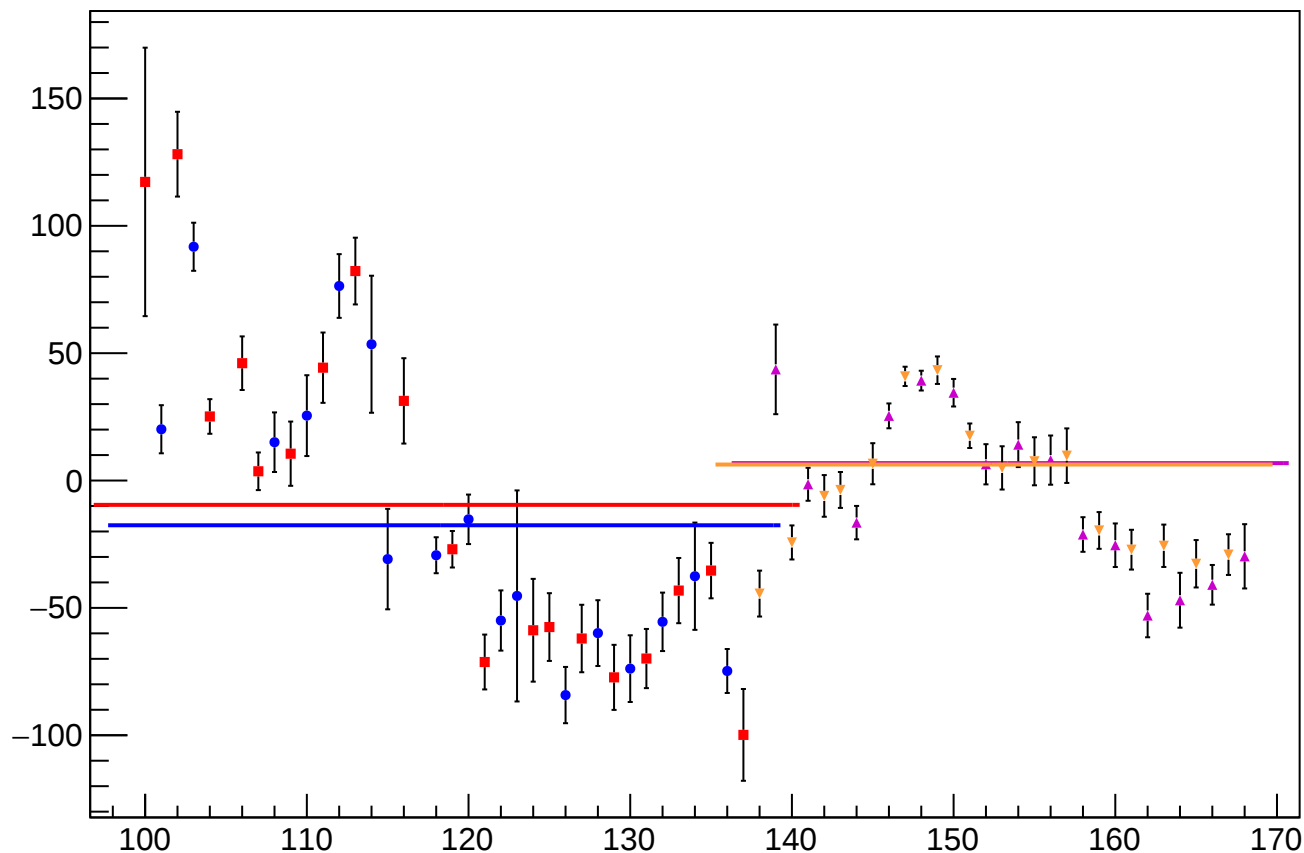
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -442.932+/-2.594 χ^2/NDF : 697.9/14

Out: -439.327+/-2.522 χ^2/NDF : 734.6/15

All: -441.078+/-1.808 χ^2/NDF : 1433.5/30

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 6.283 ± 1.706 χ^2/NDF : 276.1/15

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

Left In: 6.838 ± 1.788 χ^2/NDF : 280.8/14

Left: 6.548 ± 1.234 χ^2/NDF : 557.0/30

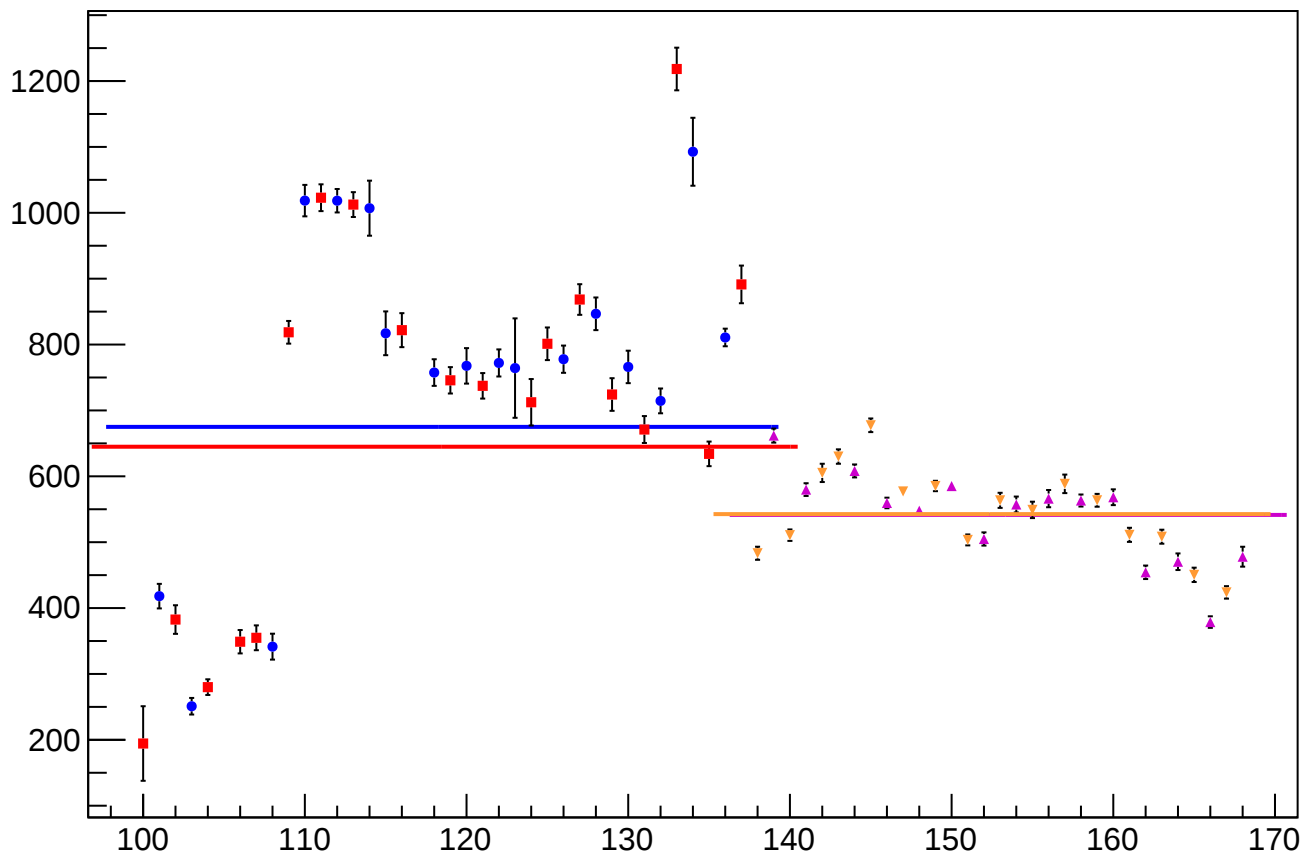
Right: -13.243 ± 1.915 χ^2/NDF : 738.4/35

In: -0.157 ± 1.510 χ^2/NDF : 698.0/31

Out: 1.539 ± 1.428 χ^2/NDF : 672.2/34

All: 0.739 ± 1.038 χ^2/NDF : 1370.8/66

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045+/-5.067 χ^2/NDF : 2584.3/16

Left Out: 542.615+/-2.488 χ^2/NDF : 643.1/15

Right Out: 644.915+/-4.761 χ^2/NDF : 3122.2/18

Left In: 541.400+/-2.535 χ^2/NDF : 725.0/14

Left: 542.019+/-1.775 χ^2/NDF : 1368.2/30

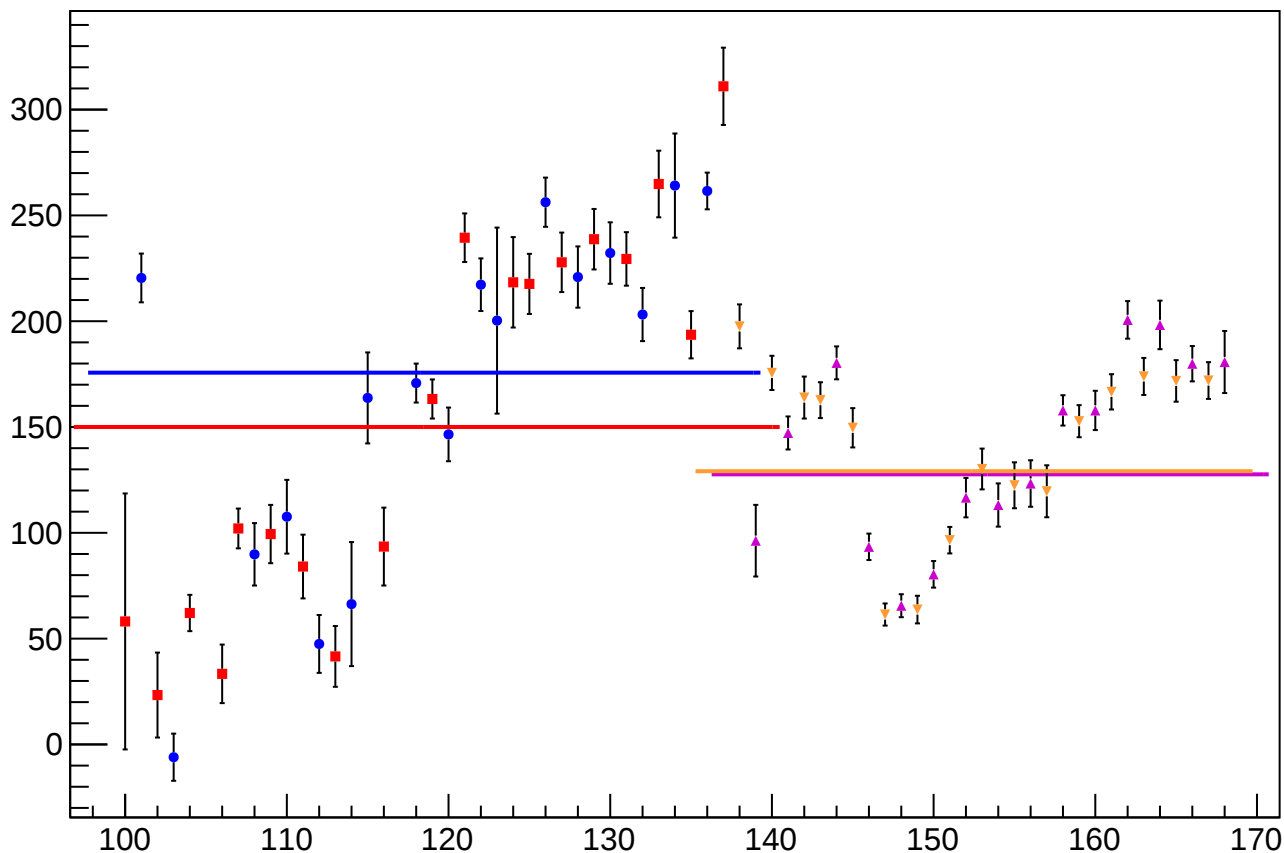
Right: 659.042+/-3.470 χ^2/NDF : 5725.3/35

In: 568.145+/-2.267 χ^2/NDF : 3865.7/31

Out: 564.555+/-2.205 χ^2/NDF : 4127.9/34

All: 566.300+/-1.581 χ^2/NDF : 7994.9/66

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 129.115 $\pm$ 2.040 χ^2 /NDF:505.3/15

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

Left In: 127.638 $\pm$ 2.127 χ^2 /NDF:462.6/14

Left: 128.407 $\pm$ 1.472 χ^2 /NDF: 968.2/30

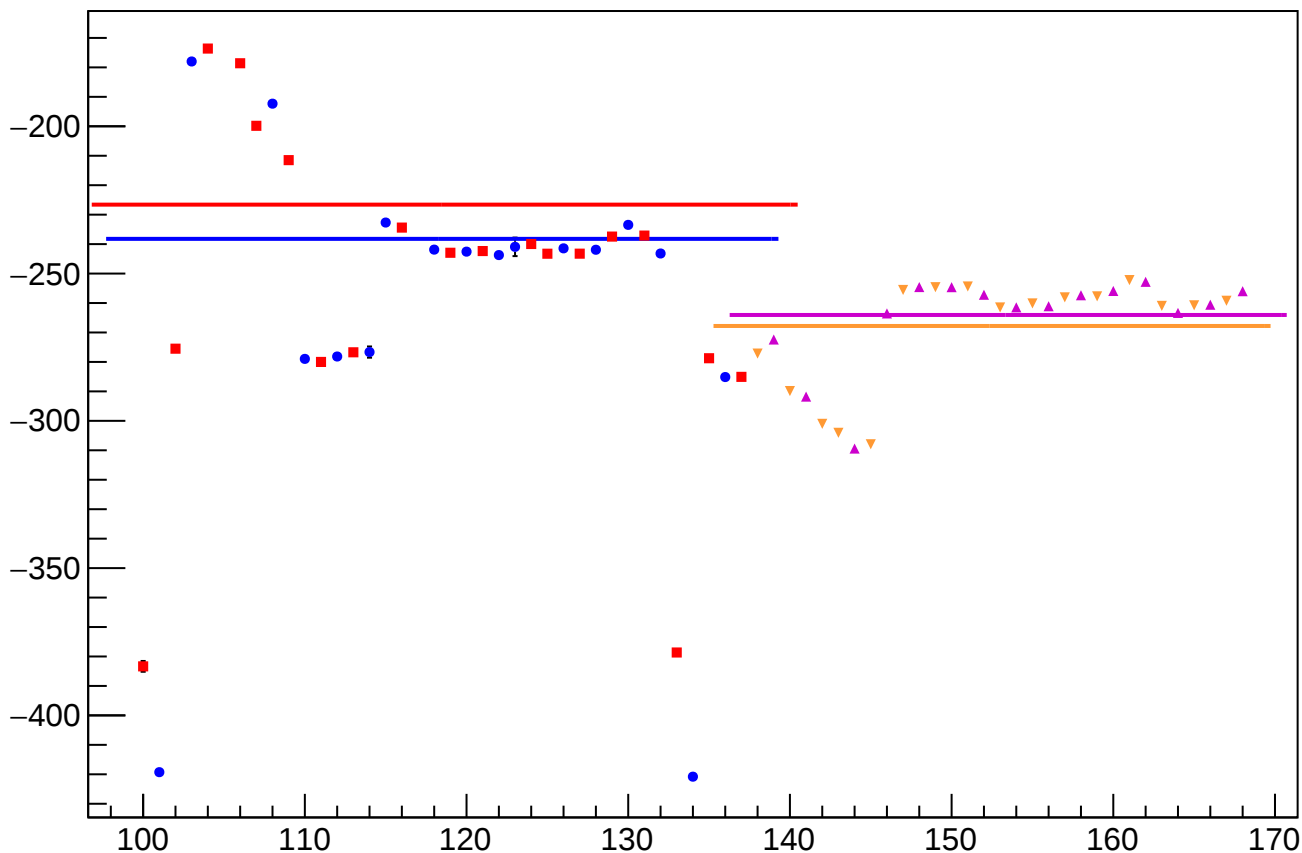
Right: 162.048 $\pm$ 2.217 χ^2 /NDF: 1365.0/35

In: 142.115 $\pm$ 1.778 χ^2 /NDF:1254.3/31

Out: 135.599 $\pm$ 1.694 χ^2 /NDF:1231.6/34

All: 138.701 $\pm$ 1.227 χ^2 /NDF: 2493.0/66

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -267.792 ± 0.100 χ^2/NDF : 32364.6/15

Right Out: -226.597 ± 0.151 χ^2/NDF : 102562.3/18

Left In: -264.057 ± 0.102 χ^2/NDF : 20557.2/14

Left: -265.952 ± 0.071 χ^2/NDF : 53606.0/30

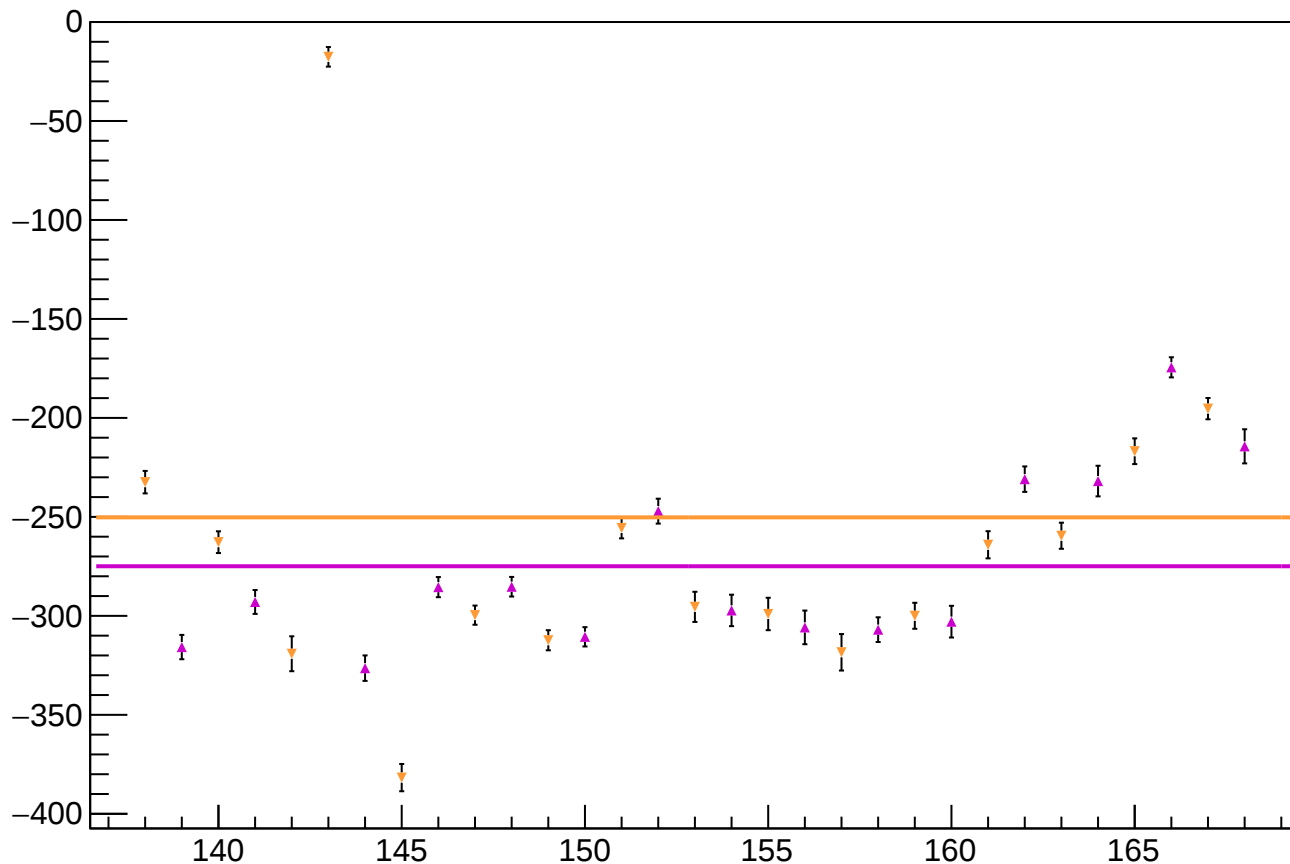
Right: -232.063 ± 0.110 χ^2/NDF : 272459.7/35

In: -256.650 ± 0.086 χ^2/NDF : 206177.5/31

Out: -255.220 ± 0.084 χ^2/NDF : 186484.3/34

All: -255.915 ± 0.060 χ^2/NDF : 392804.3/66

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -250.244+/-1.532 χ^2/NDF :3226.2/15

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

Left In: -274.939+/-1.604 χ^2/NDF :775.7/14

Left: -262.027+/-1.108 χ^2/NDF : 4125.9/30

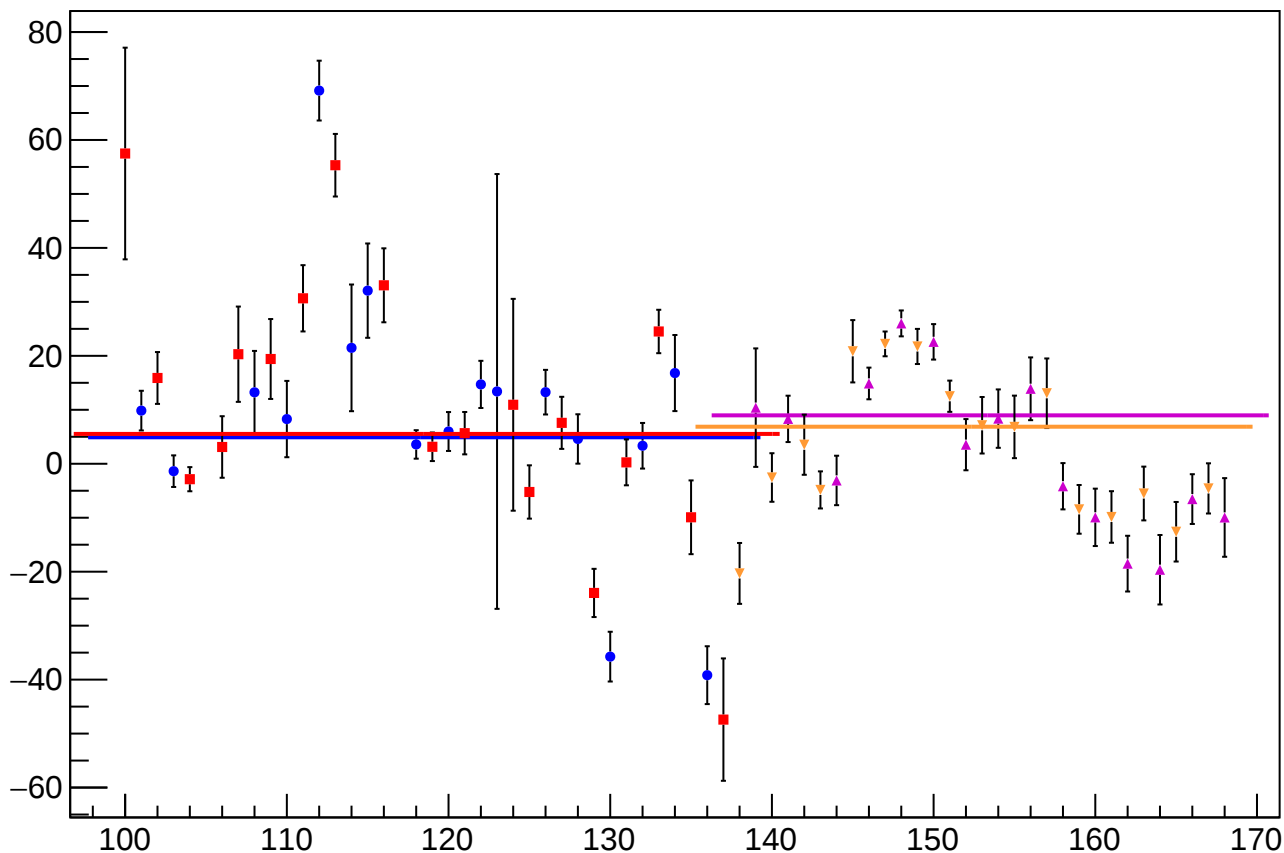
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -274.939+/-1.604 χ^2/NDF :775.7/14

Out: -250.244+/-1.532 χ^2/NDF :3226.2/15

All: -262.027+/-1.108 χ^2/NDF : 4125.9/30

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 6.865 ± 1.035 $\chi^2/\text{NDF}: 164.2/15$

Right Out: 5.530 ± 1.069 $\chi^2/\text{NDF}: 238.9/18$

Left In: 8.970 ± 1.106 $\chi^2/\text{NDF}: 168.8/14$

Left: 7.848 ± 0.756 $\chi^2/\text{NDF}: 334.9/30$

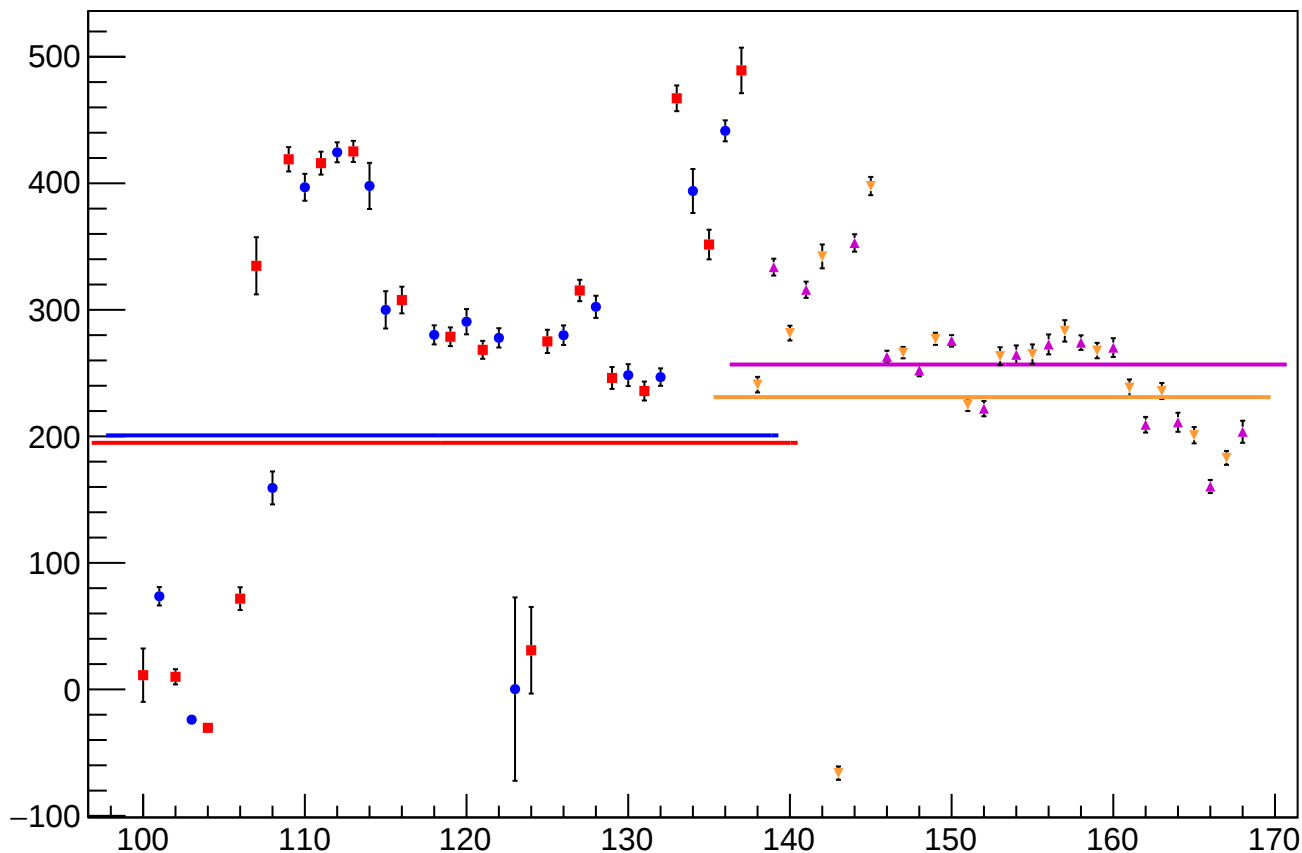
Right: 5.228 ± 0.768 $\chi^2/\text{NDF}: 550.7/35$

In: 6.936 ± 0.782 $\chi^2/\text{NDF}: 487.2/31$

Out: 6.219 ± 0.743 $\chi^2/\text{NDF}: 403.9/34$

All: 6.560 ± 0.539 $\chi^2/\text{NDF}: 891.5/66$

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: 231.006 $\pm$ 1.511 χ^2 /NDF:4288.2/15

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

Left In: 256.778 $\pm$ 1.564 χ^2 /NDF:962.1/14

Left: 243.452 $\pm$ 1.087 χ^2 /NDF: 5390.8/30

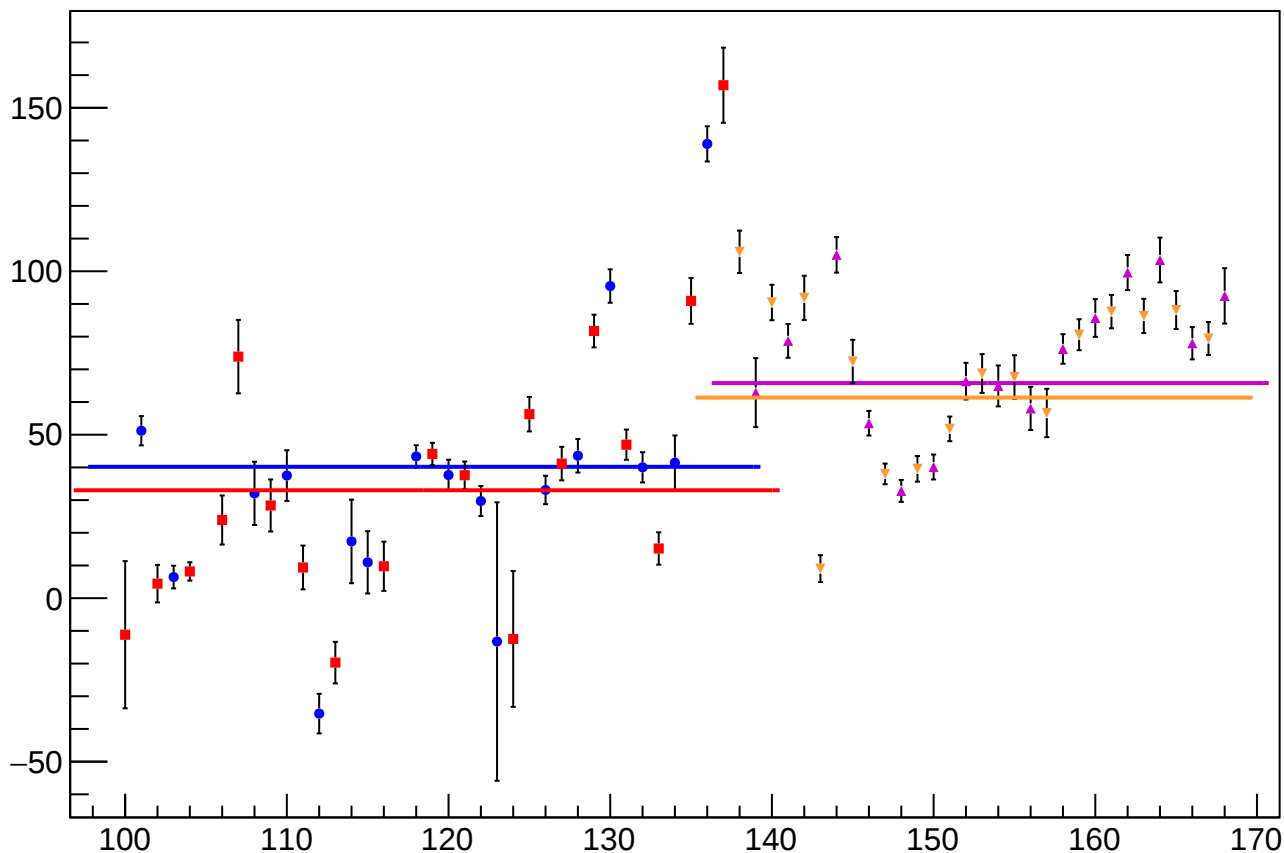
Right: 197.743 $\pm$ 1.381 χ^2 /NDF: 14984.6/35

In: 235.311 $\pm$ 1.228 χ^2 /NDF:8186.9/31

Out: 217.227 $\pm$ 1.188 χ^2 /NDF:12753.2/34

All: 225.973 $\pm$ 0.854 χ^2 /NDF: 21052.2/66

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185+/-1.283 χ^2/NDF : 734.6/16

Left Out: 61.354+/-1.237 χ^2/NDF : 455.5/15

Right Out: 33.006+/-1.250 χ^2/NDF : 552.7/18

Left In: 65.799+/-1.315 χ^2/NDF : 315.2/14

Left: 63.440+/-0.901 χ^2/NDF : 776.8/30

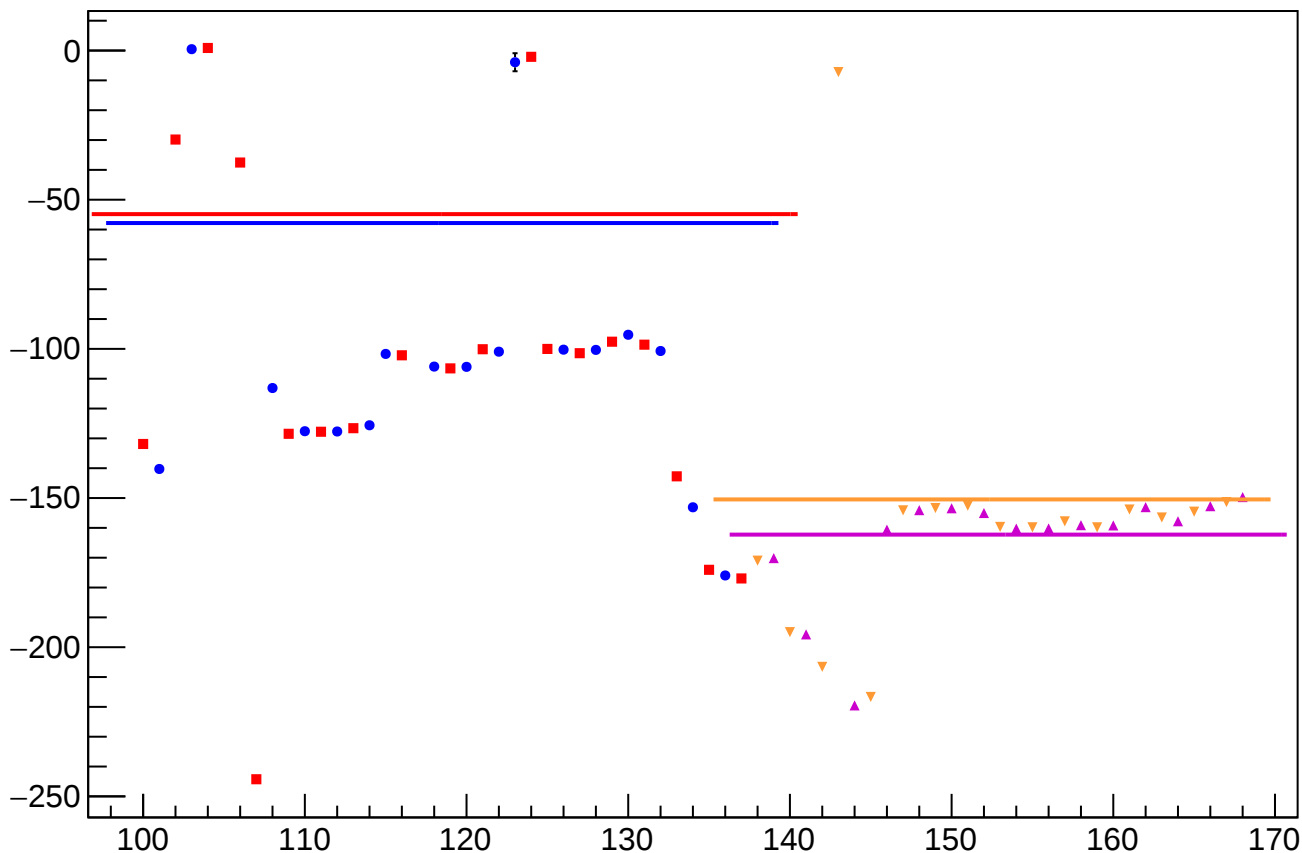
Right: 36.503+/-0.896 χ^2/NDF : 1303.3/35

In: 52.676+/-0.918 χ^2/NDF : 1244.1/31

Out: 47.333+/-0.879 χ^2/NDF : 1268.0/34

All: 49.888+/-0.635 χ^2/NDF : 2529.8/66

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: -150.463 $\pm$ 0.061 χ^2 /NDF: 579857.9/15

Right Out: -54.833 $\pm$ 0.060 χ^2 /NDF: 1000741.7/18

Left In: -162.260 $\pm$ 0.063 χ^2 /NDF: 63695.0/14

Left: -156.180 $\pm$ 0.044 χ^2 /NDF: 661774.9/30

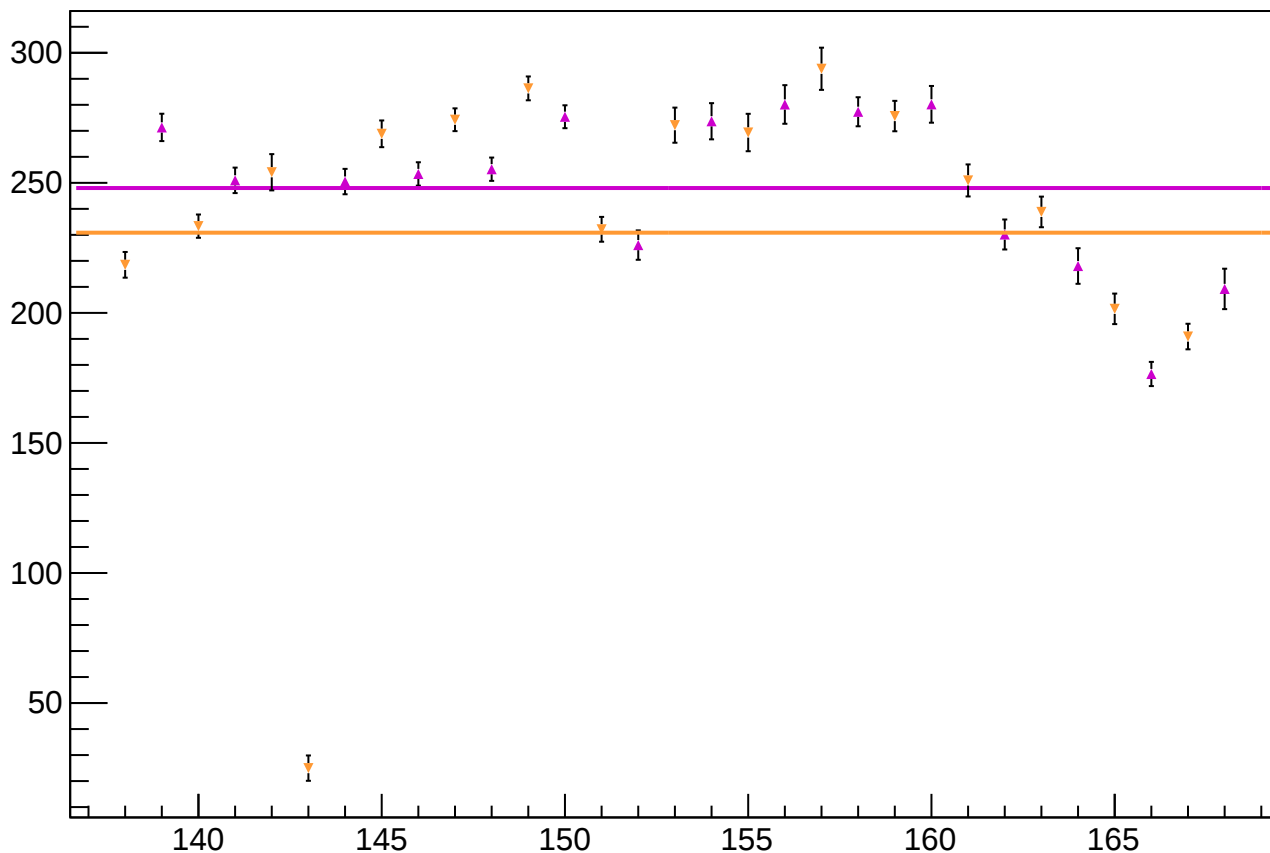
Right: -56.289 $\pm$ 0.043 χ^2 /NDF: 2103236.7/35

In: -109.242 $\pm$ 0.044 χ^2 /NDF: 2571647.5/31

Out: -102.168 $\pm$ 0.043 χ^2 /NDF: 2828297.6/34

All: -105.605 $\pm$ 0.031 χ^2 /NDF: 5413218.7/66

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 230.841+/-1.353 χ^2/NDF :2392.9/15

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

Left In: 248.008+/-1.404 χ^2/NDF :448.8/14

Left: 239.104+/-0.974 χ^2/NDF : 2919.3/30

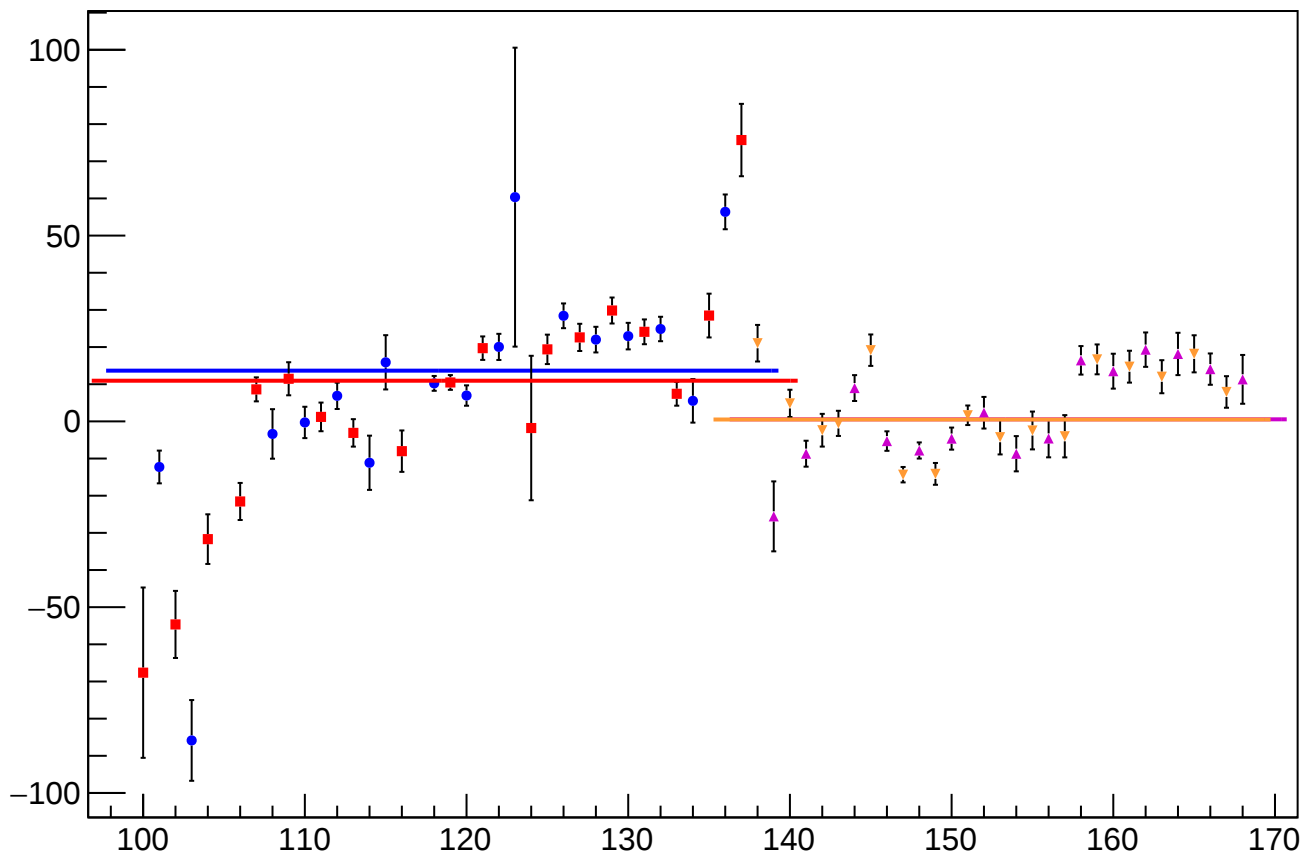
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 248.008+/-1.404 χ^2/NDF :448.8/14

Out: 230.841+/-1.353 χ^2/NDF :2392.9/15

All: 239.104+/-0.974 χ^2/NDF : 2919.3/30

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652+/-0.936 χ^2/NDF : 294.0/16

Left Out: 0.505+/-0.920 χ^2/NDF :166.4/15

Right Out: 10.944+/-0.913 χ^2/NDF : 302.5/18

Left In: 0.555+/-0.973 χ^2/NDF :112.2/14

Left: 0.528+/-0.669 χ^2/NDF : 278.6/30

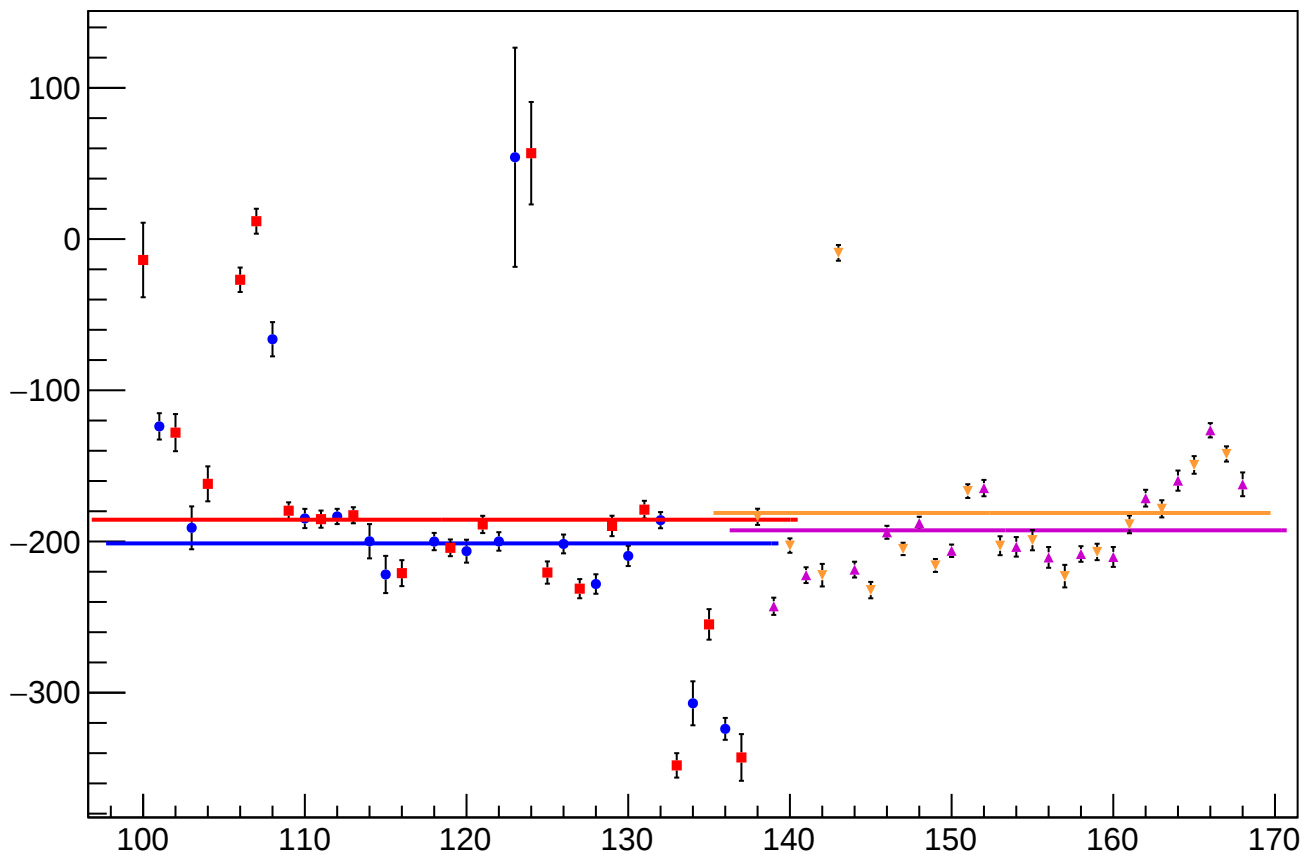
Right: 12.264+/-0.654 χ^2/NDF : 600.9/35

In: 7.358+/-0.675 χ^2/NDF :500.2/31

Out: 5.765+/-0.648 χ^2/NDF :533.8/34

All: 6.529+/-0.467 χ^2/NDF : 1036.9/66

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 $\chi^2/\text{NDF}: 623.4/16$

Left Out: -181.136 ± 1.338 $\chi^2/\text{NDF}: 1508.8/15$

Right Out: -185.593 ± 1.699 $\chi^2/\text{NDF}: 1746.0/18$

Left In: -192.617 ± 1.374 $\chi^2/\text{NDF}: 448.8/14$

Left: -186.723 ± 0.958 $\chi^2/\text{NDF}: 1993.4/30$

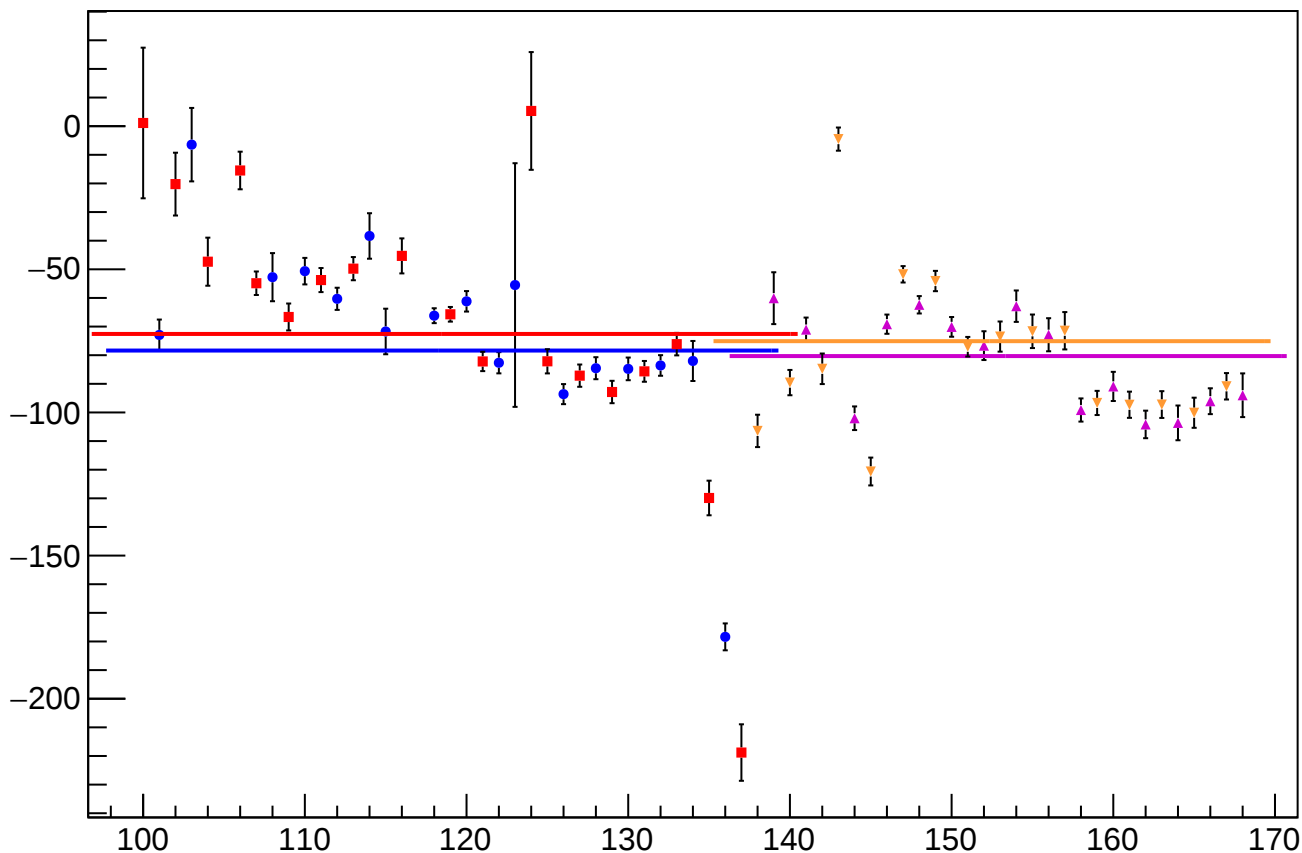
Right: -192.999 ± 1.234 $\chi^2/\text{NDF}: 2409.6/35$

In: -195.811 ± 1.091 $\chi^2/\text{NDF}: 1086.9/31$

Out: -182.841 ± 1.051 $\chi^2/\text{NDF}: 3259.1/34$

All: -189.084 ± 0.757 $\chi^2/\text{NDF}: 4419.2/66$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -75.100 ± 1.098 χ^2/NDF : 645.8/15

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

Left In: -80.306 ± 1.156 χ^2/NDF : 185.2/14

Left: -77.570 ± 0.796 χ^2/NDF : 841.7/30

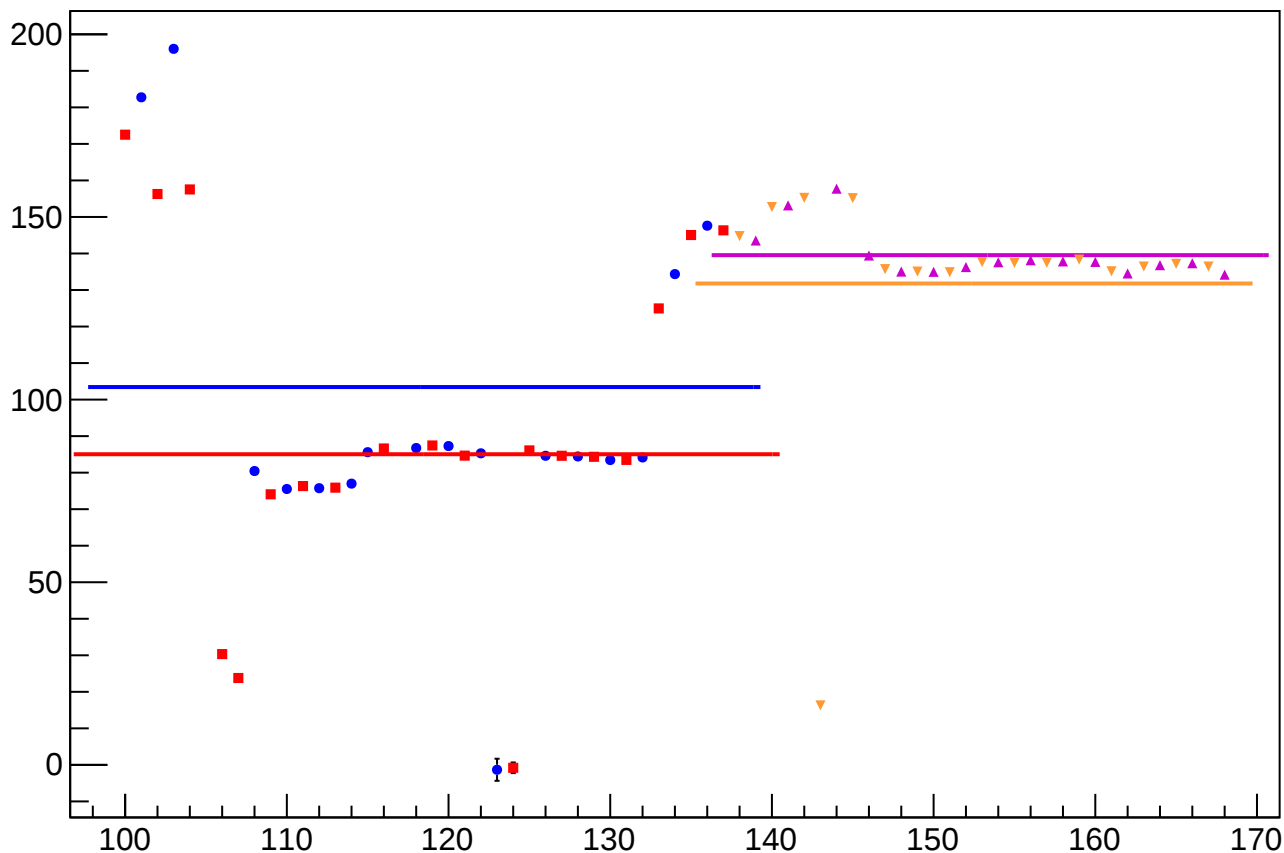
Right: -75.395 ± 0.754 χ^2/NDF : 1272.0/35

In: -79.276 ± 0.790 χ^2/NDF : 838.0/31

Out: -73.784 ± 0.760 χ^2/NDF : 1254.4/34

All: -76.423 ± 0.547 χ^2/NDF : 2117.6/66

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 131.784 $\pm$ 0.054 χ^2/NDF : 346073.2/15

Right Out: 85.043 $\pm$ 0.064 χ^2/NDF : 422343.0/18

Left In: 139.546 $\pm$ 0.055 χ^2/NDF : 13783.2/14

Left: 135.572 $\pm$ 0.038 χ^2/NDF : 370013.4/30

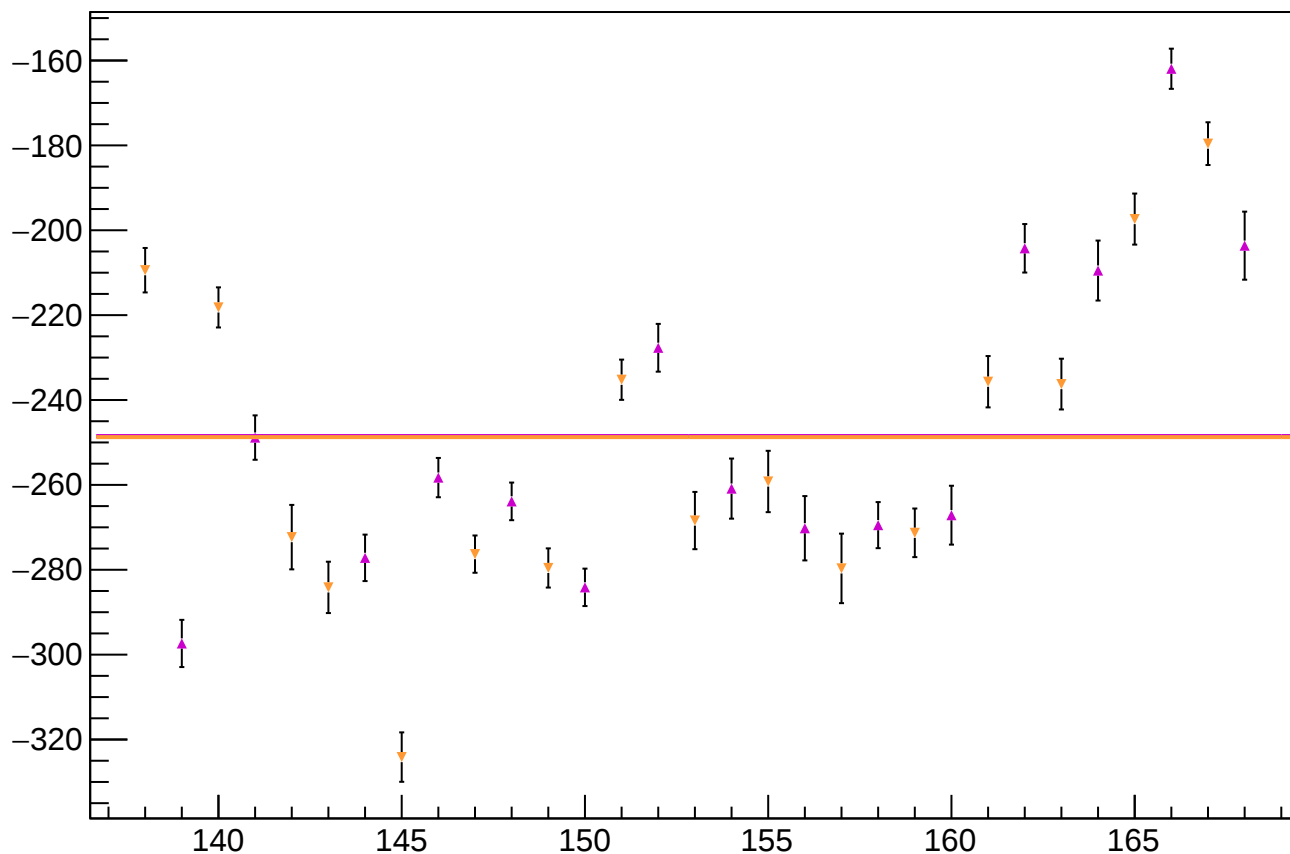
Right: 93.267 $\pm$ 0.047 χ^2/NDF : 732362.9/35

In: 125.941 $\pm$ 0.044 χ^2/NDF : 448331.1/31

Out: 112.339 $\pm$ 0.041 χ^2/NDF : 1082445.7/34

All: 118.755 $\pm$ 0.030 χ^2/NDF : 1582418.7/66

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -248.743+/-1.404 χ^2/NDF : 712.7/15

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

Left In: -248.488+/-1.435 χ^2/NDF : 689.5/14

Left: -248.619+/-1.003 χ^2/NDF : 1402.3/30

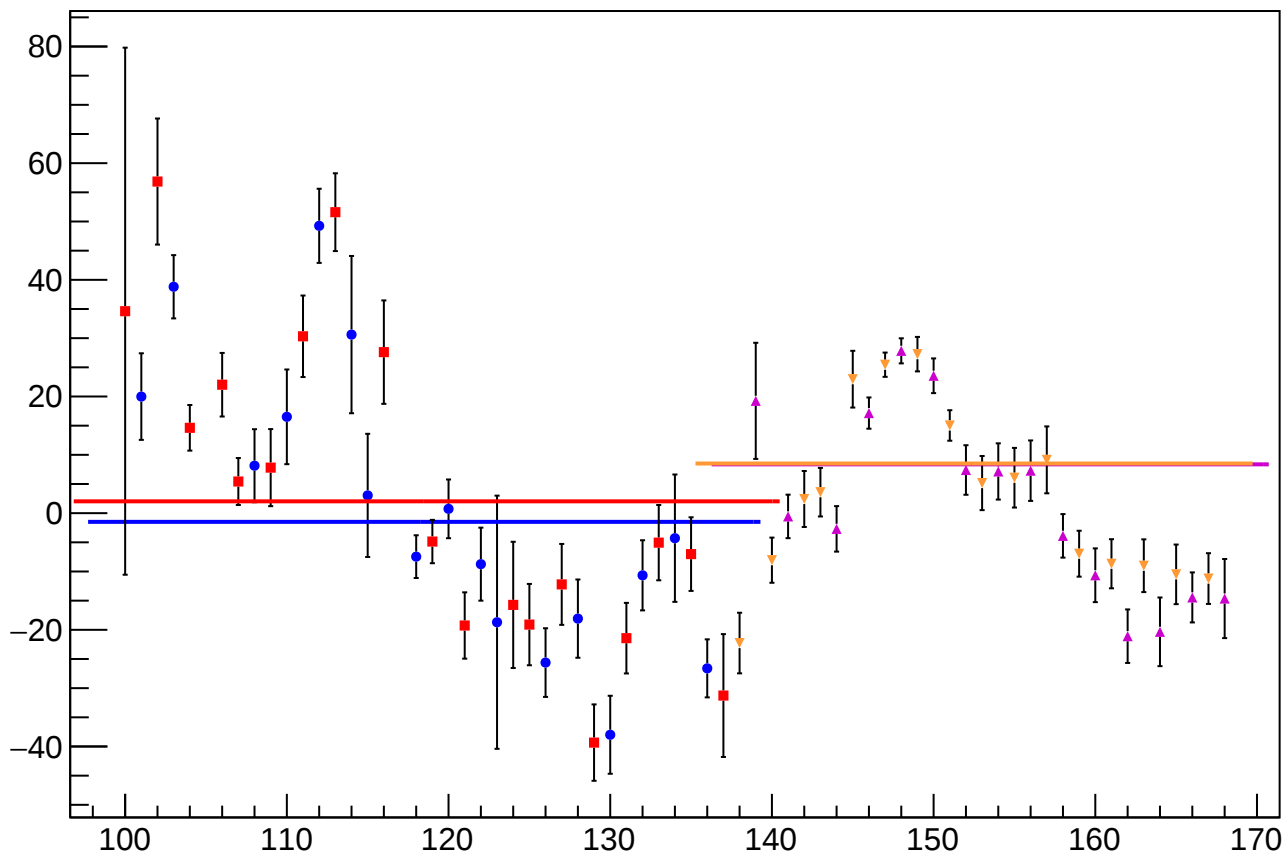
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -248.488+/-1.435 χ^2/NDF : 689.5/14

Out: -248.743+/-1.404 χ^2/NDF : 712.7/15

All: -248.619+/-1.003 χ^2/NDF : 1402.3/30

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: 8.511 ± 0.947 $\chi^2/\text{NDF}: 260.2/15$

Right Out: 2.028 ± 1.400 $\chi^2/\text{NDF}: 233.3/18$

Left In: 8.368 ± 0.988 $\chi^2/\text{NDF}: 266.6/14$

Left: 8.443 ± 0.684 $\chi^2/\text{NDF}: 526.8/30$

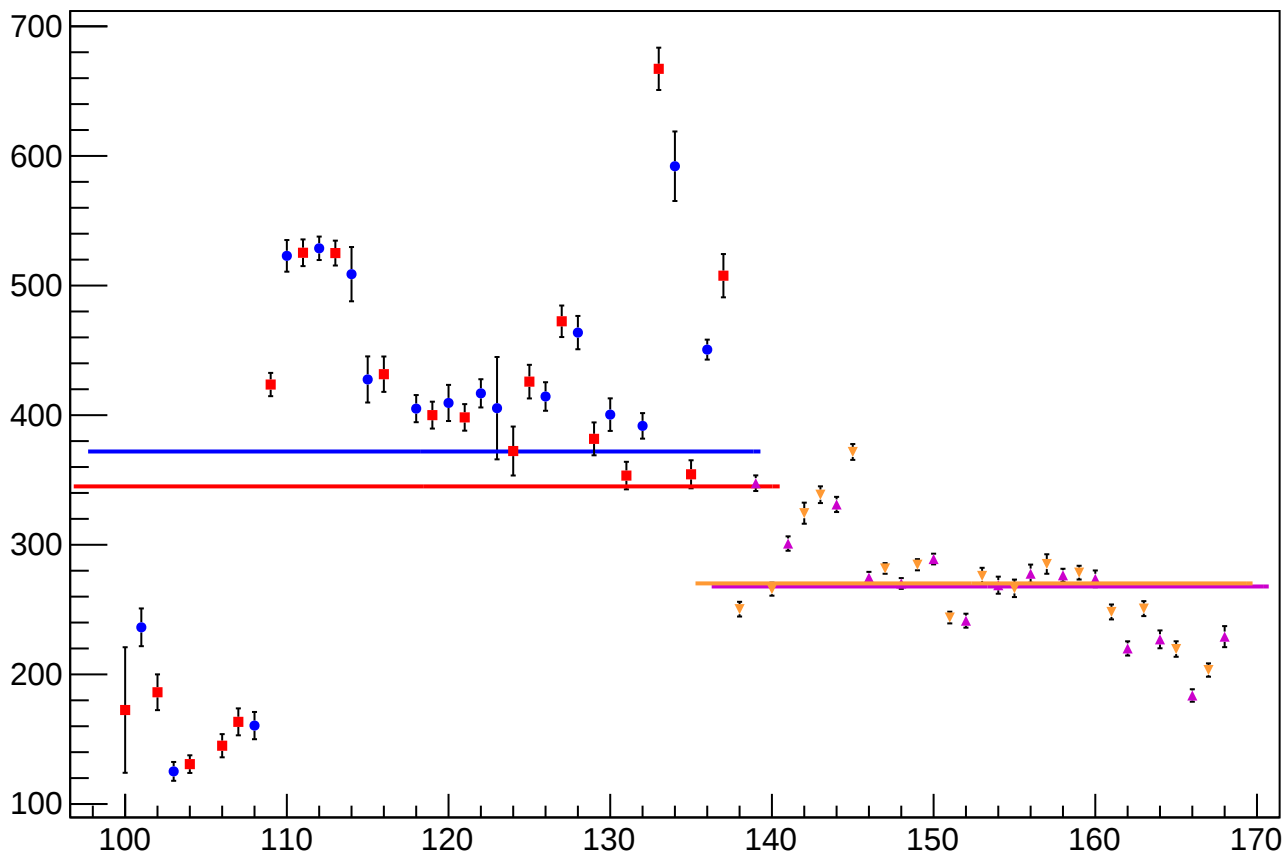
Right: 0.432 ± 1.035 $\chi^2/\text{NDF}: 462.1/35$

In: 5.482 ± 0.831 $\chi^2/\text{NDF}: 521.7/31$

Out: 6.475 ± 0.784 $\chi^2/\text{NDF}: 508.2/34$

All: 6.007 ± 0.570 $\chi^2/\text{NDF}: 1030.7/66$

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: 270.203 $\pm$ 1.380 χ^2 /NDF: 771.6/15

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

Left In: 267.826 $\pm$ 1.399 χ^2 /NDF: 823.3/14

Left: 269.031 $\pm$ 0.983 χ^2 /NDF: 1596.4/30

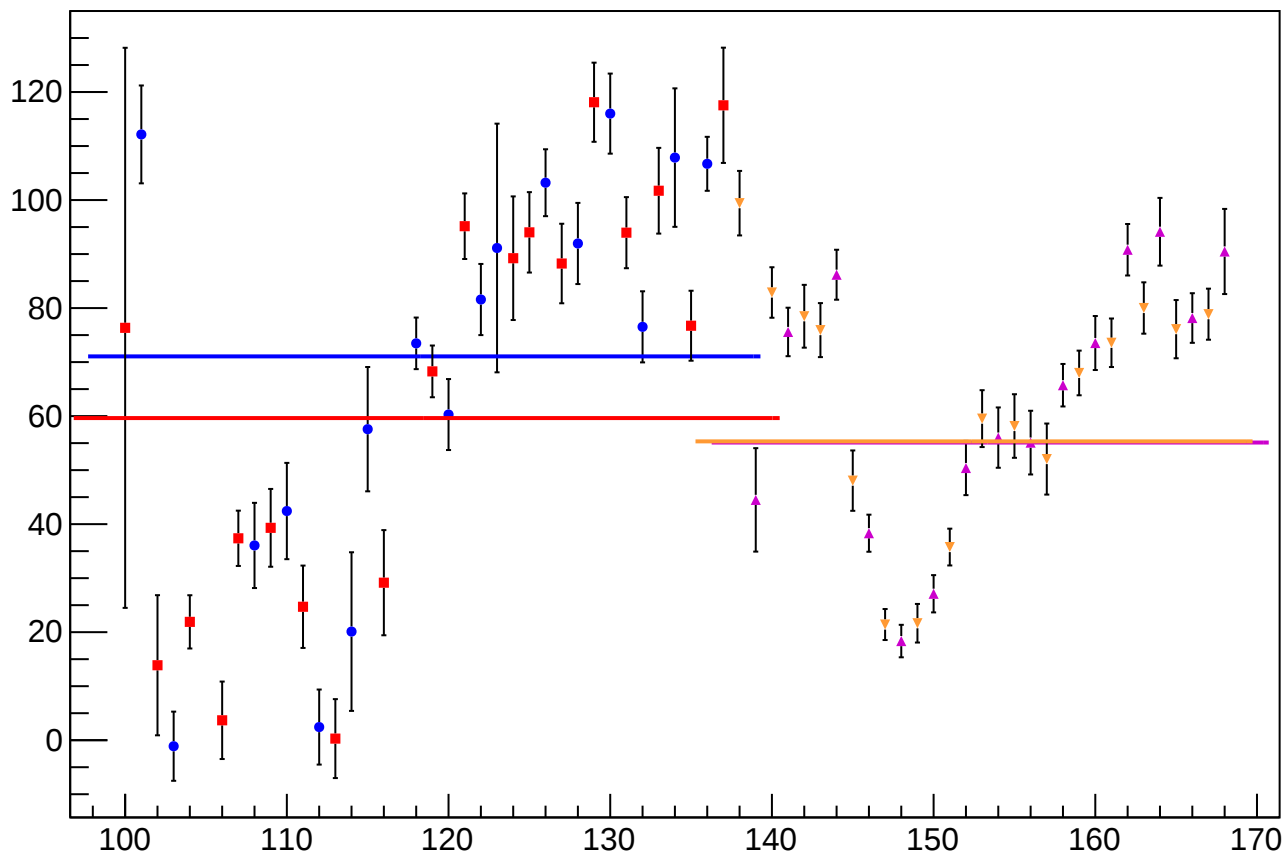
Right: 357.423 $\pm$ 1.883 χ^2 /NDF: 5898.6/35

In: 288.905 $\pm$ 1.250 χ^2 /NDF: 4377.3/31

Out: 287.040 $\pm$ 1.215 χ^2 /NDF: 4848.1/34

All: 287.946 $\pm$ 0.871 χ^2 /NDF: 9226.5/66

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 55.323 $\pm$ 1.132 χ^2 /NDF:478.8/15

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

Left In: 55.109 $\pm$ 1.175 χ^2 /NDF:468.2/14

Left: 55.220 $\pm$ 0.815 χ^2 /NDF: 947.0/30

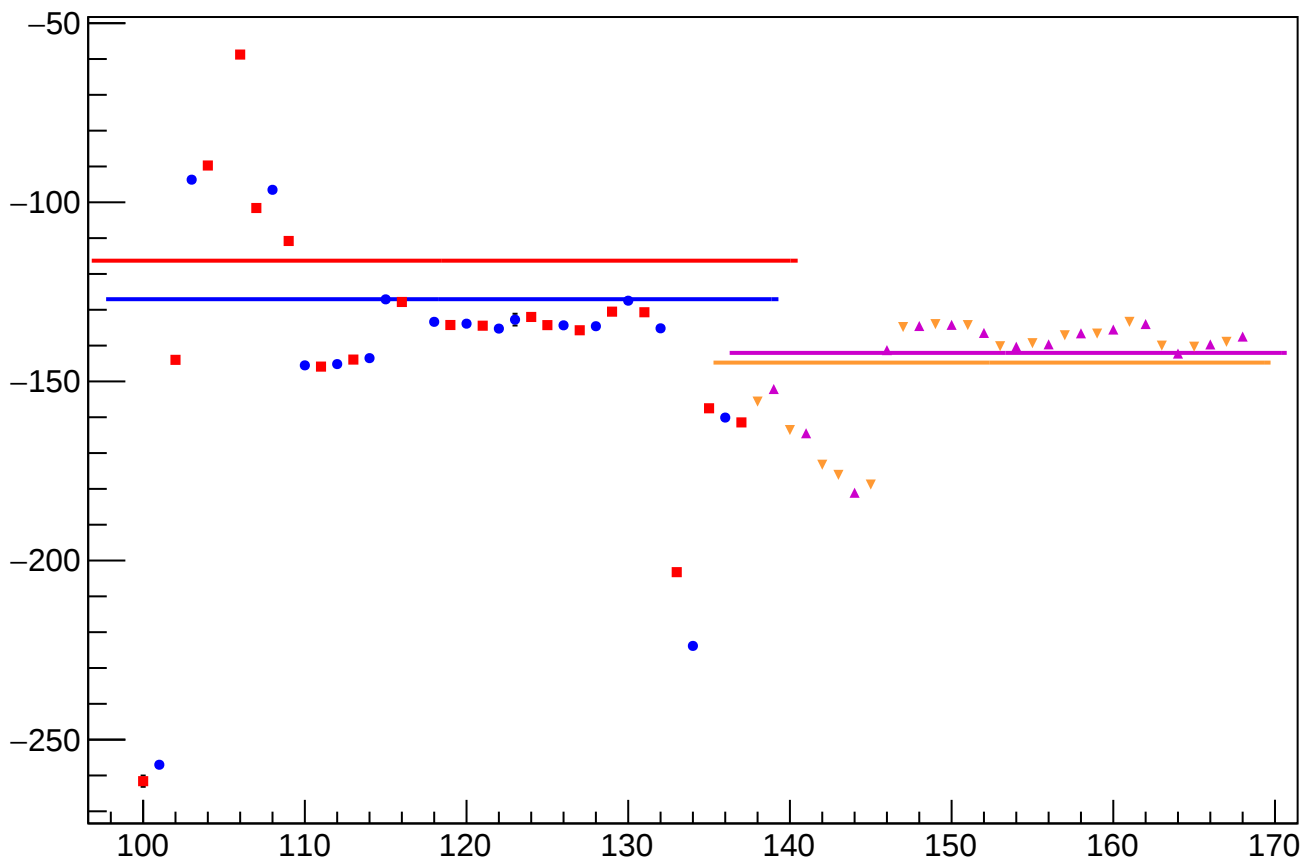
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 60.008 $\pm$ 0.978 χ^2 /NDF:951.0/31

Out: 56.725 $\pm$ 0.930 χ^2 /NDF:975.2/34

All: 58.284 $\pm$ 0.674 χ^2 /NDF: 1932.1/66

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: -144.748+/-0.056 χ^2/NDF : 68504.6/15

Right Out: -116.295+/-0.083 χ^2/NDF : 167109.1/18

Left In: -142.037+/-0.056 χ^2/NDF : 43433.0/14

Left: -143.405+/-0.039 χ^2/NDF : 113118.0/30

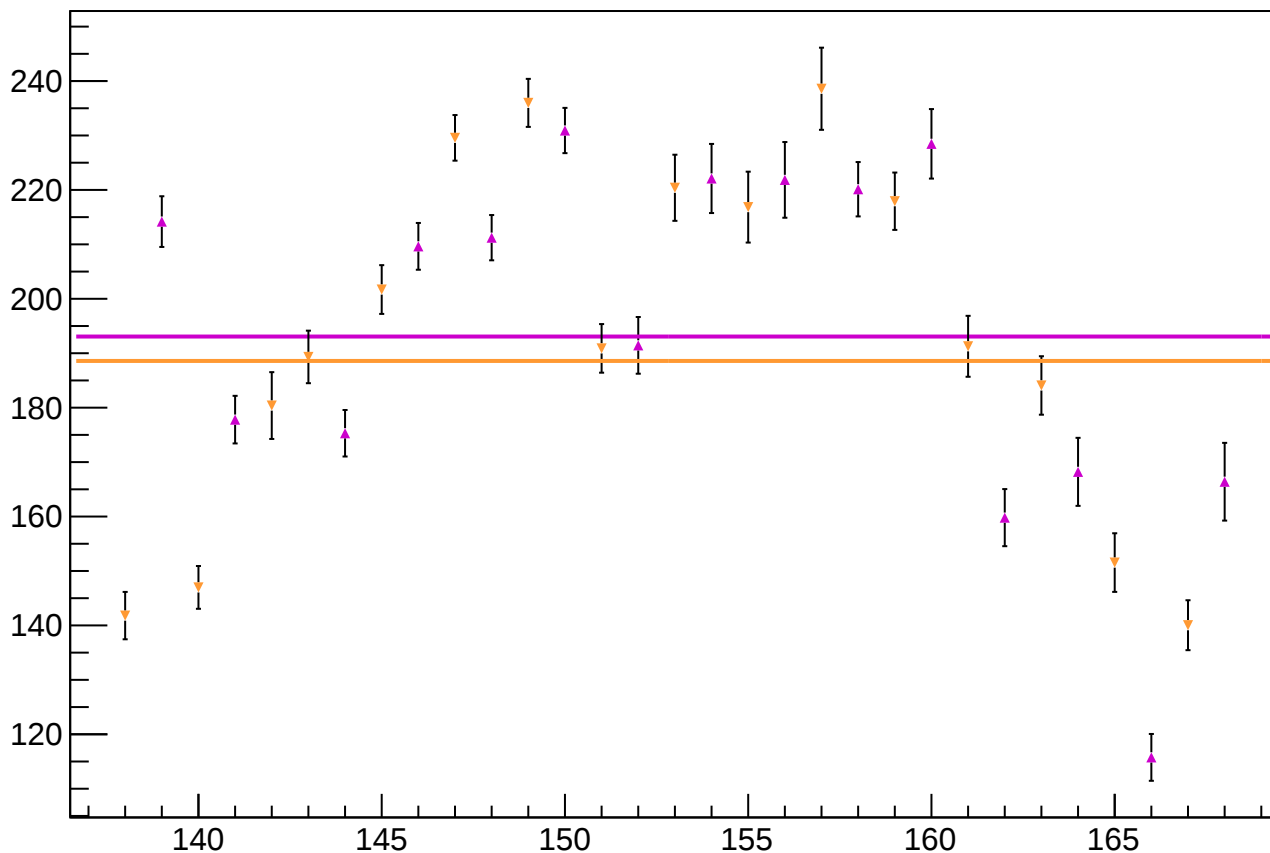
Right: -121.250+/-0.061 χ^2/NDF : 341860.6/35

In: -137.831+/-0.048 χ^2/NDF : 230496.3/31

Out: -135.946+/-0.046 χ^2/NDF : 316806.3/34

All: -136.860+/-0.033 χ^2/NDF : 548111.5/66

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: 188.583 $\pm$ 1.242 χ^2/NDF : 730.9/15

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

Left In: 193.067 $\pm$ 1.285 χ^2/NDF : 658.1/14

Left: 190.749 $\pm$ 0.893 χ^2/NDF : 1395.3/30

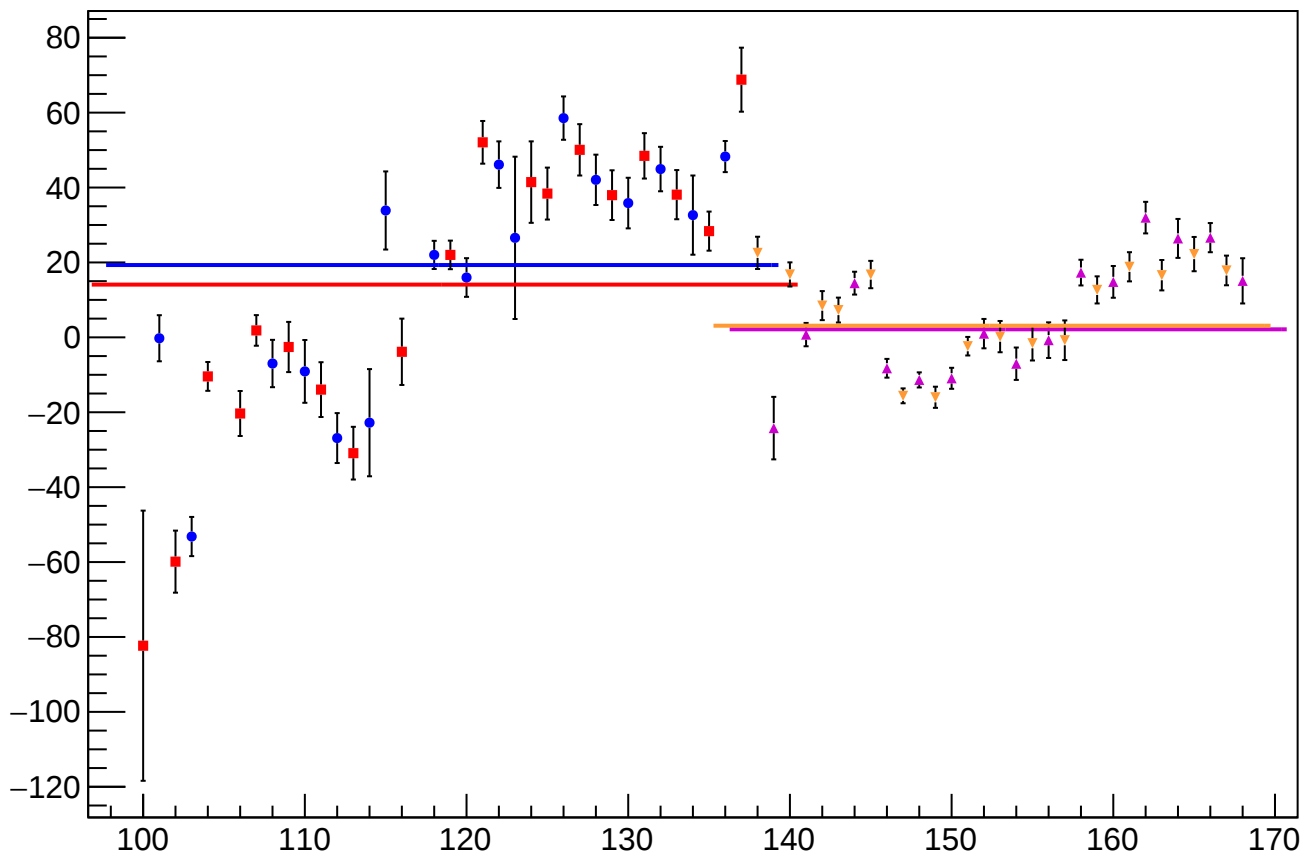
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 193.067 $\pm$ 1.285 χ^2/NDF : 658.1/14

Out: 188.583 $\pm$ 1.242 χ^2/NDF : 730.9/15

All: 190.749 $\pm$ 0.893 χ^2/NDF : 1395.3/30

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 3.109 ± 0.852 χ^2/NDF : 263.3/15

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

Left In: 2.142 ± 0.895 χ^2/NDF : 259.7/14

Left: 2.650 ± 0.617 χ^2/NDF : 523.6/30

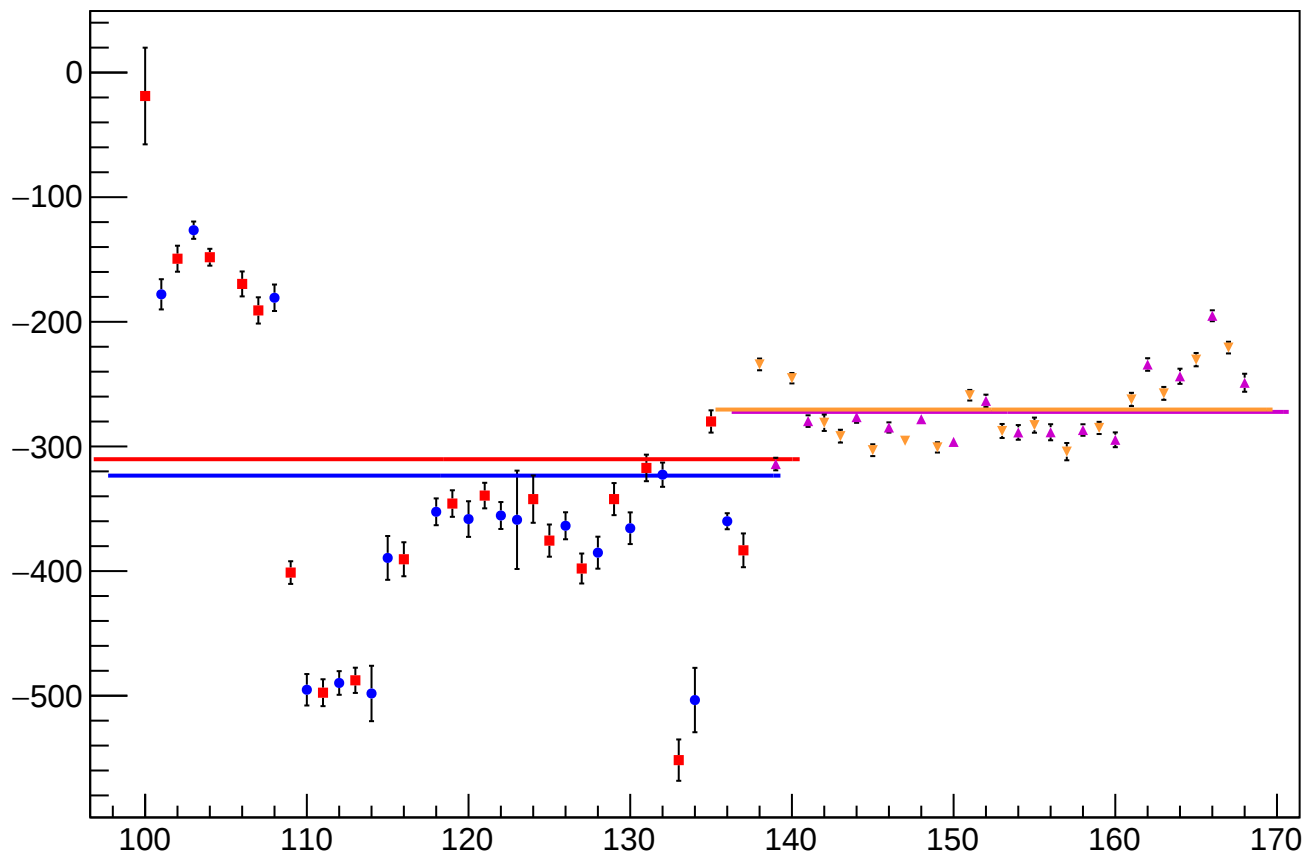
Right: 16.496 ± 1.020 χ^2/NDF : 884.7/35

In: 6.651 ± 0.769 χ^2/NDF : 797.5/31

Out: 6.105 ± 0.726 χ^2/NDF : 745.5/34

All: 6.362 ± 0.528 χ^2/NDF : 1543.3/66

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 2.684 χ^2 /NDF: 1849.6/16

Left Out: -270.391 $\pm$ 1.230 χ^2 /NDF: 487.3/15

Right Out: -310.236 $\pm$ 2.523 χ^2 /NDF: 2298.8/18

Left In: -272.274 $\pm$ 1.259 χ^2 /NDF: 562.7/14

Left: -271.311 $\pm$ 0.880 χ^2 /NDF: 1051.2/30

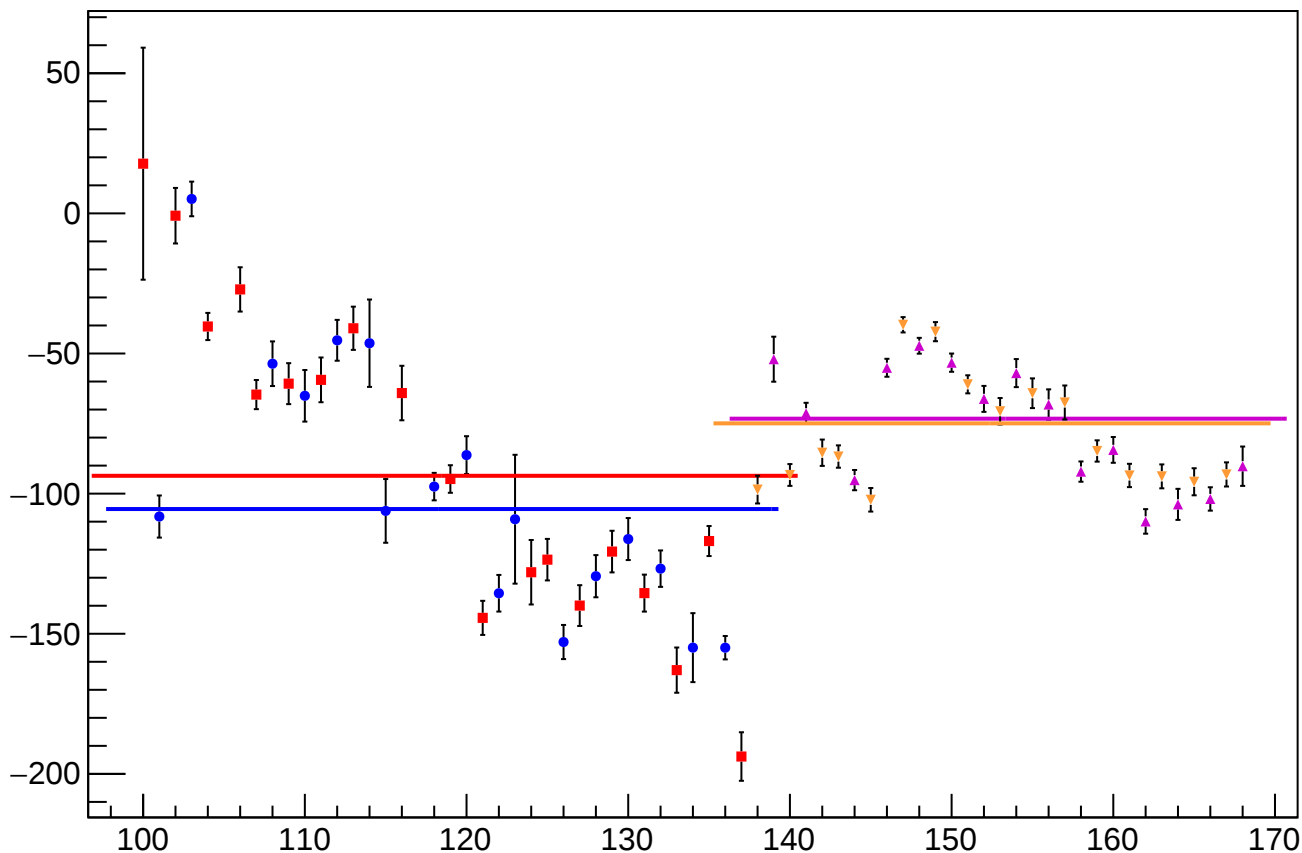
Right: -316.413 $\pm$ 1.838 χ^2 /NDF: 4161.2/35

In: -281.500 $\pm$ 1.140 χ^2 /NDF: 2709.7/31

Out: -278.045 $\pm$ 1.106 χ^2 /NDF: 2987.6/34

All: -279.720 $\pm$ 0.794 χ^2 /NDF: 5702.0/66

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -74.923 ± 1.014 χ^2/NDF : 466.0/15

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

Left In: -73.257 ± 1.062 χ^2/NDF : 399.3/14

Left: -74.129 ± 0.733 χ^2/NDF : 866.6/30

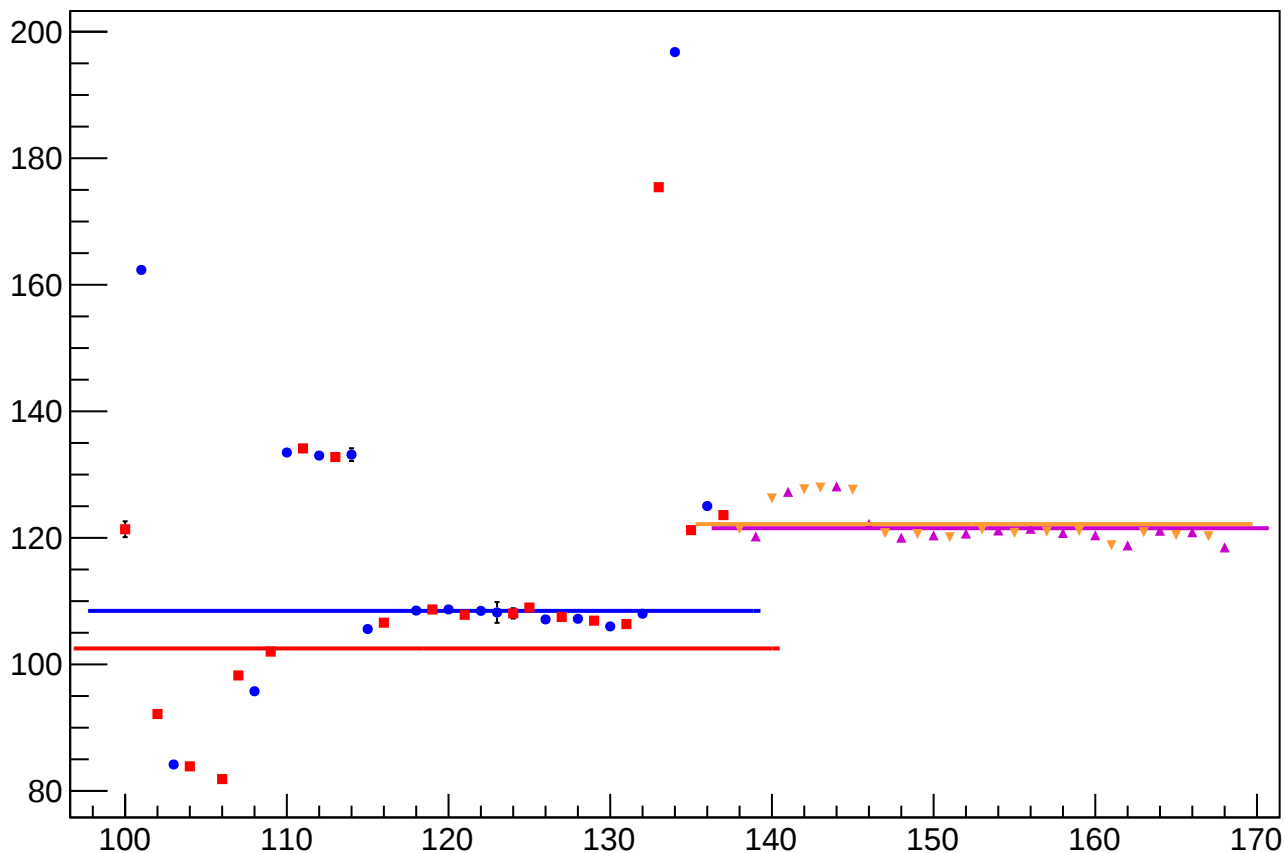
Right: -99.203 ± 1.173 χ^2/NDF : 1589.9/35

In: -82.211 ± 0.902 χ^2/NDF : 1392.7/31

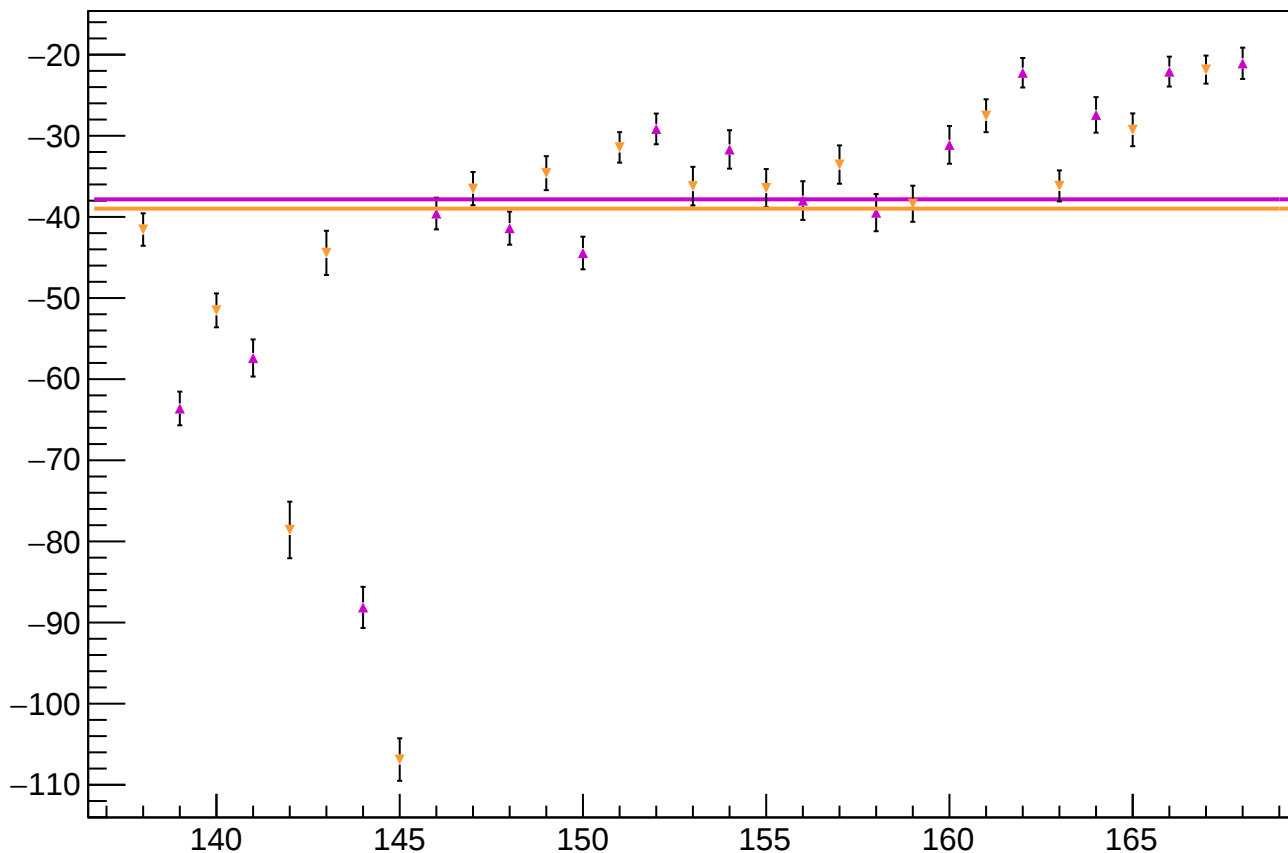
Out: -80.235 ± 0.858 χ^2/NDF : 1389.9/34

All: -81.173 ± 0.622 χ^2/NDF : 2785.1/66

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -38.978+/-0.540 χ^2/NDF :1028.4/15

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

Left In: -37.832+/-0.541 χ^2/NDF :916.6/14

Left: -38.406+/-0.382 χ^2/NDF : 1947.2/30

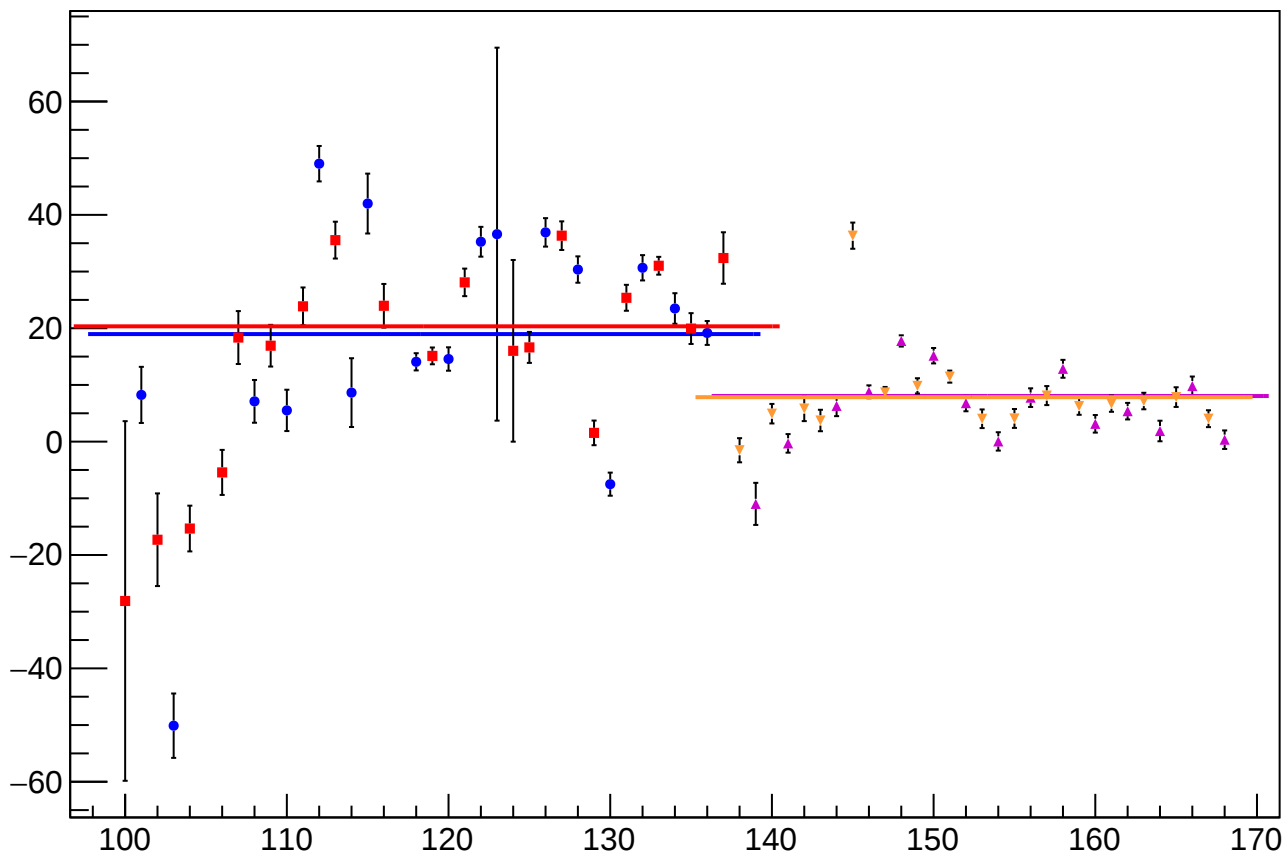
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.832+/-0.541 χ^2/NDF :916.6/14

Out: -38.978+/-0.540 χ^2/NDF :1028.4/15

All: -38.406+/-0.382 χ^2/NDF : 1947.2/30

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 $\pm$ 0.653 χ^2 /NDF: 618.4/16

Left Out: 7.840 $\pm$ 0.379 χ^2 /NDF:213.2/15

Right Out: 20.338 $\pm$ 0.642 χ^2 /NDF: 366.4/18

Left In: 8.044 $\pm$ 0.388 χ^2 /NDF:259.5/14

Left: 7.939 $\pm$ 0.271 χ^2 /NDF: 472.8/30

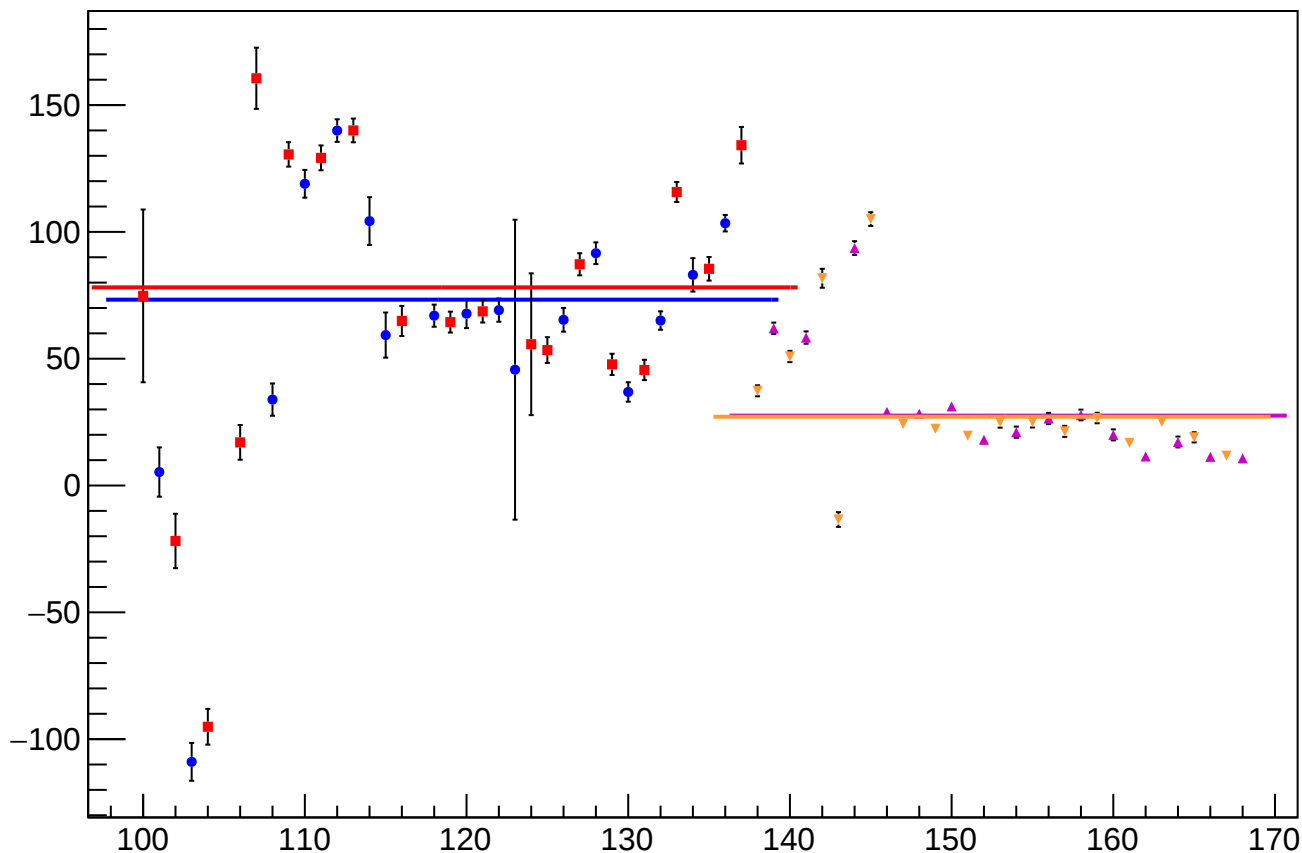
Right: 19.666 $\pm$ 0.458 χ^2 /NDF: 987.0/35

In: 10.898 $\pm$ 0.334 χ^2 /NDF:1084.8/31

Out: 11.066 $\pm$ 0.326 χ^2 /NDF:860.5/34

All: 10.984 $\pm$ 0.233 χ^2 /NDF: 1945.5/66

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: 27.120 $\pm$ 0.529 χ^2 /NDF:1531.1/15

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

Left In: 27.558 $\pm$ 0.528 χ^2 /NDF:1298.8/14

Left: 27.340 $\pm$ 0.374 χ^2 /NDF: 2830.3/30

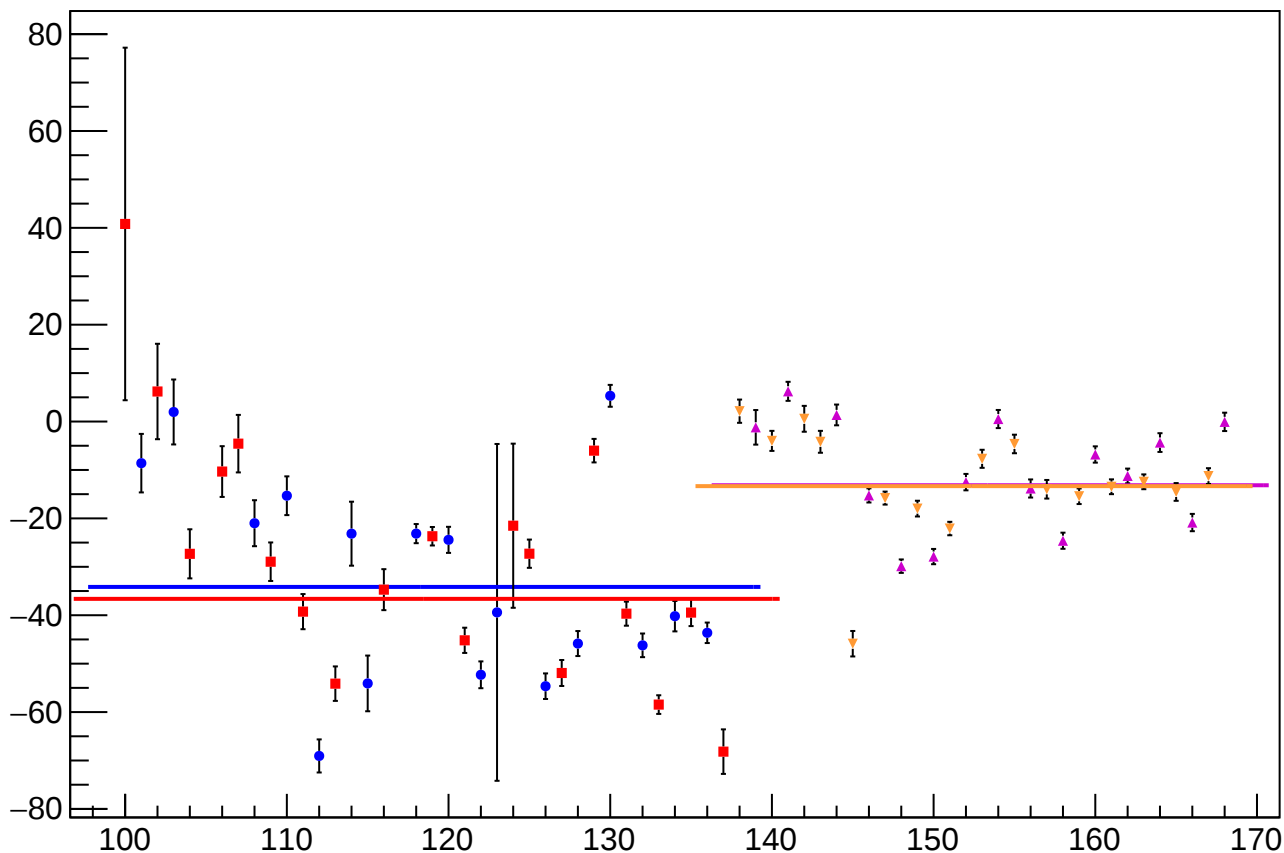
Right: 75.732 $\pm$ 0.869 χ^2 /NDF: 2749.7/35

In: 34.600 $\pm$ 0.485 χ^2 /NDF:3654.1/31

Out: 35.172 $\pm$ 0.486 χ^2 /NDF:4540.6/34

All: 34.886 $\pm$ 0.343 χ^2 /NDF: 8195.4/66

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: -13.341 ± 0.443 χ^2/NDF : 343.8/15

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

Left In: -13.160 ± 0.453 χ^2/NDF : 592.5/14

Left: -13.252 ± 0.317 χ^2/NDF : 936.5/30

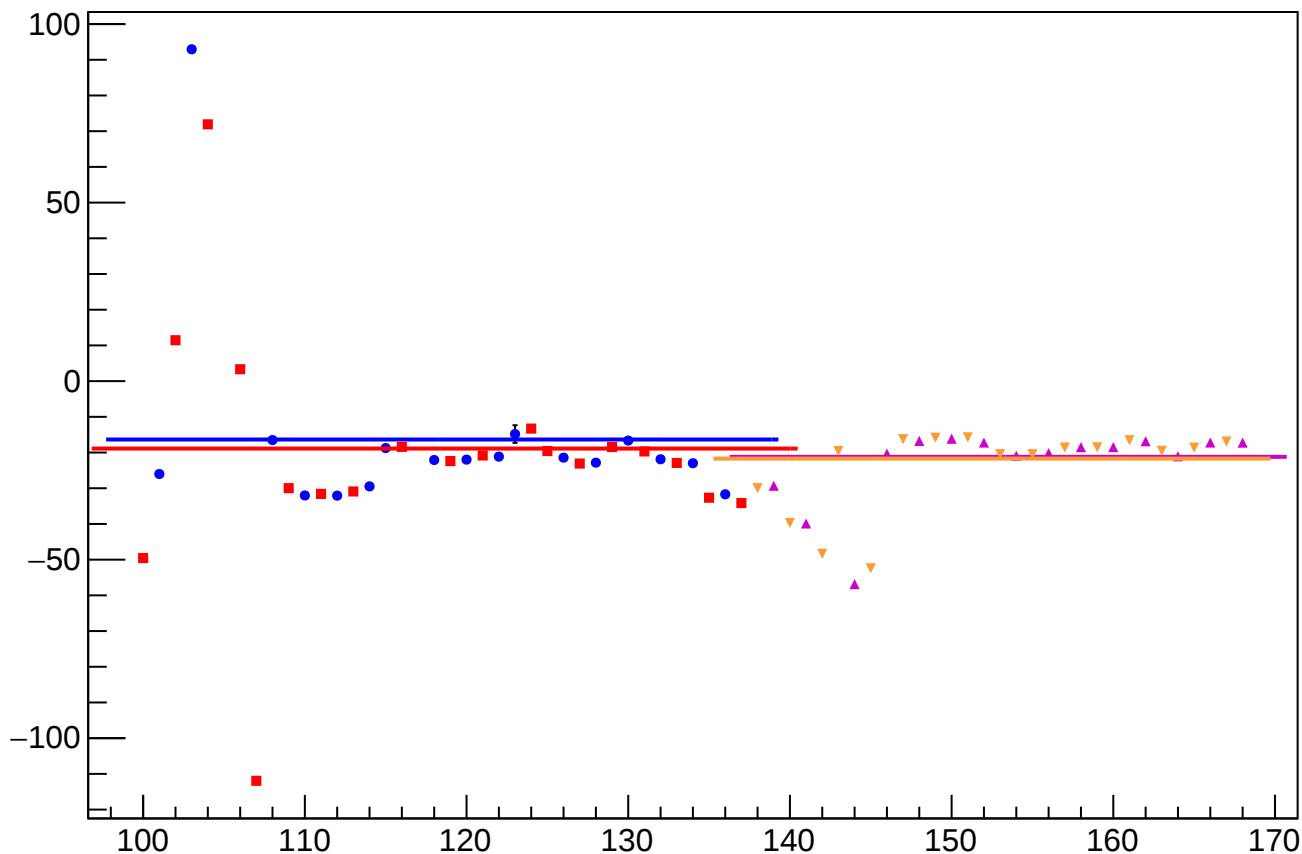
Right: -35.401 ± 0.523 χ^2/NDF : 1270.0/35

In: -18.829 ± 0.387 χ^2/NDF : 1889.9/31

Out: -19.540 ± 0.380 χ^2/NDF : 1625.2/34

All: -19.191 ± 0.271 χ^2/NDF : 3516.8/66

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -21.695 ± 0.021 $\chi^2/\text{NDF}: 188722.5/15$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

Left In: -21.210 ± 0.021 $\chi^2/\text{NDF}: 158494.9/14$

Left: -21.452 ± 0.015 $\chi^2/\text{NDF}: 347489.3/30$

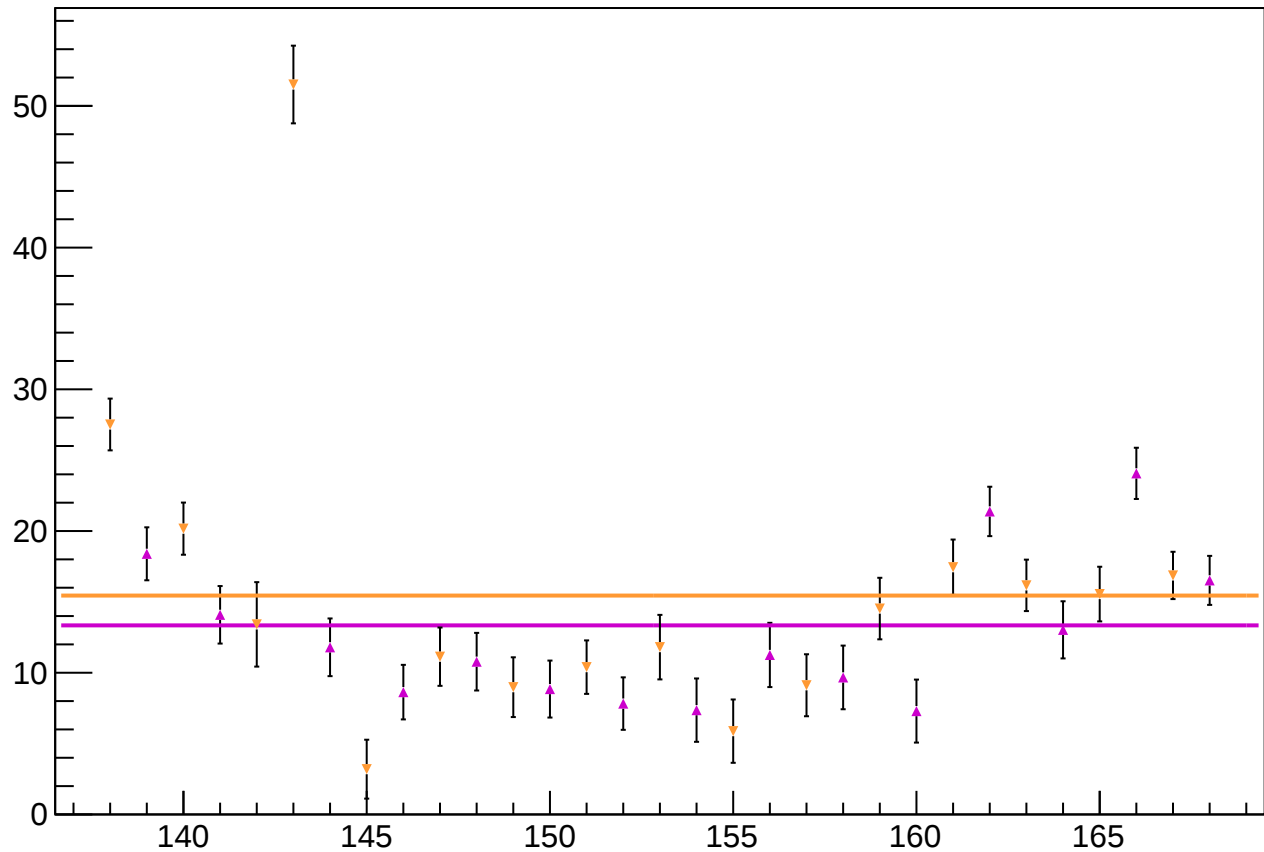
Right: -17.599 ± 0.032 $\chi^2/\text{NDF}: 909577.8/35$

In: -20.345 ± 0.019 $\chi^2/\text{NDF}: 642435.1/31$

Out: -21.204 ± 0.019 $\chi^2/\text{NDF}: 625689.9/34$

All: -20.772 ± 0.013 $\chi^2/\text{NDF}: 1269159.7/66$

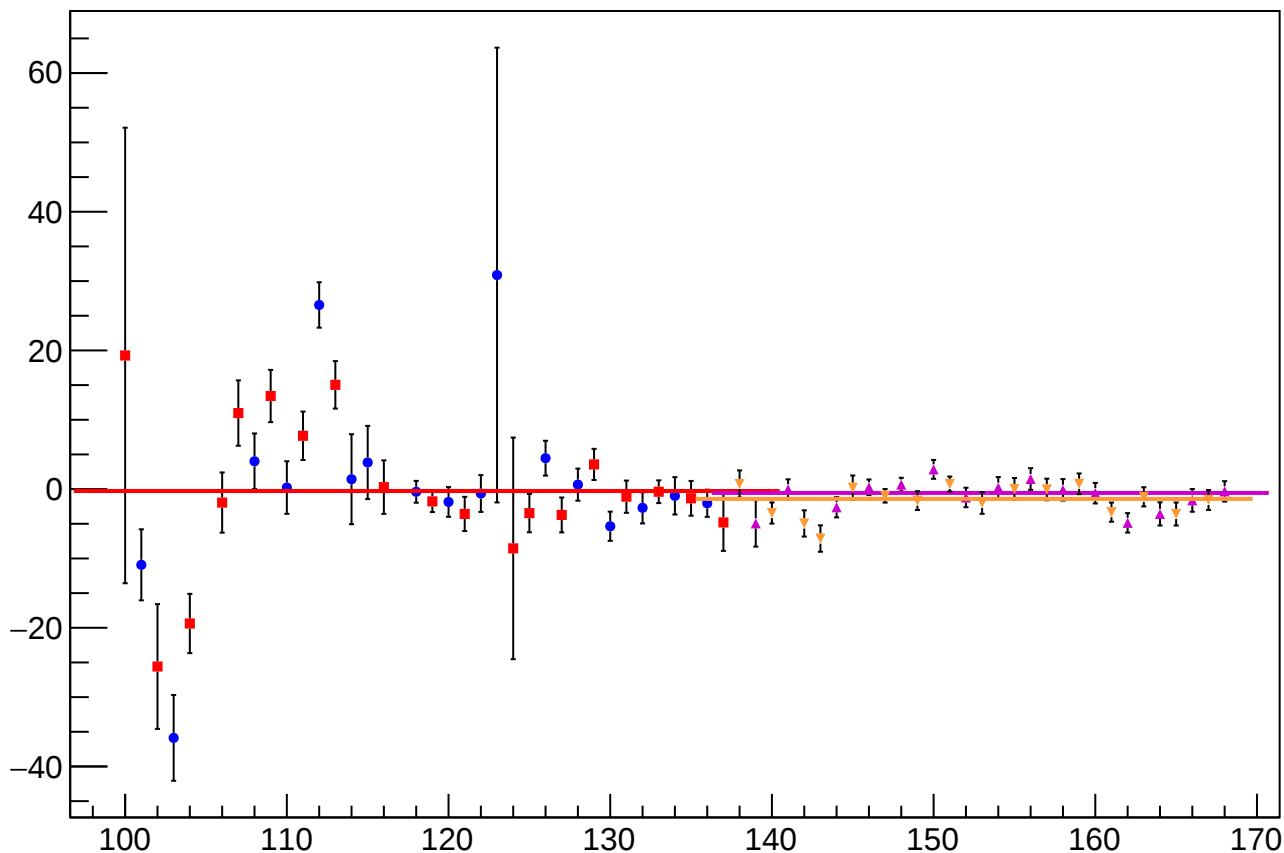
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 15.446+/-0.512 χ^2/NDF :310.9/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 13.342+/-0.511 χ^2/NDF :107.5/14

Left: 14.393+/-0.361 χ^2/NDF : 426.8/30
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 13.342+/-0.511 χ^2/NDF :107.5/14
 Out: 15.446+/-0.512 χ^2/NDF :310.9/15
 All: 14.393+/-0.361 χ^2/NDF : 426.8/30

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: -1.414 ± 0.363 χ^2/NDF : 28.1/15

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

Left In: -0.554 ± 0.370 χ^2/NDF : 27.5/14

Left: -0.992 ± 0.259 χ^2/NDF : 58.3/30

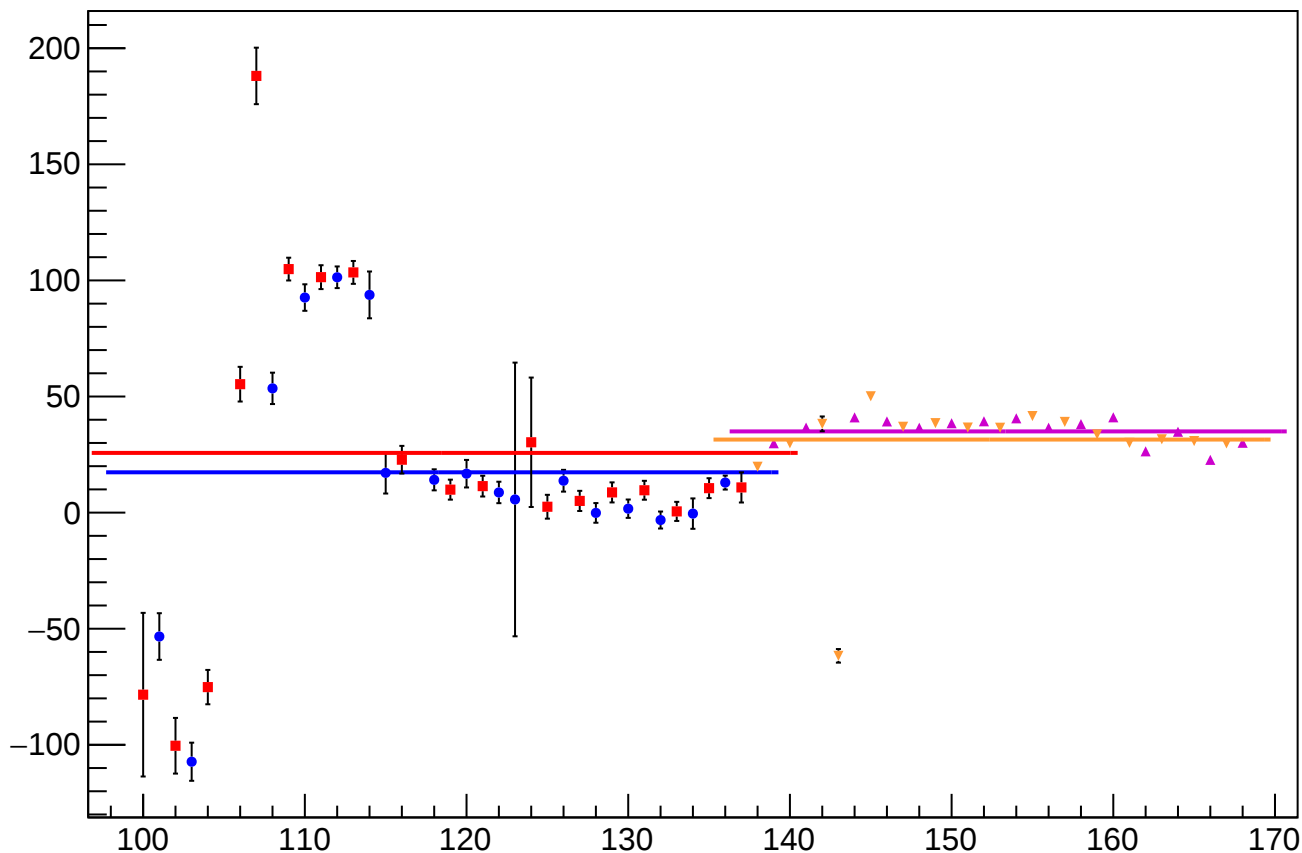
Right: -0.275 ± 0.466 χ^2/NDF : 202.7/35

In: -0.489 ± 0.323 χ^2/NDF : 147.1/31

Out: -1.145 ± 0.318 χ^2/NDF : 113.6/34

All: -0.823 ± 0.227 χ^2/NDF : 262.8/66

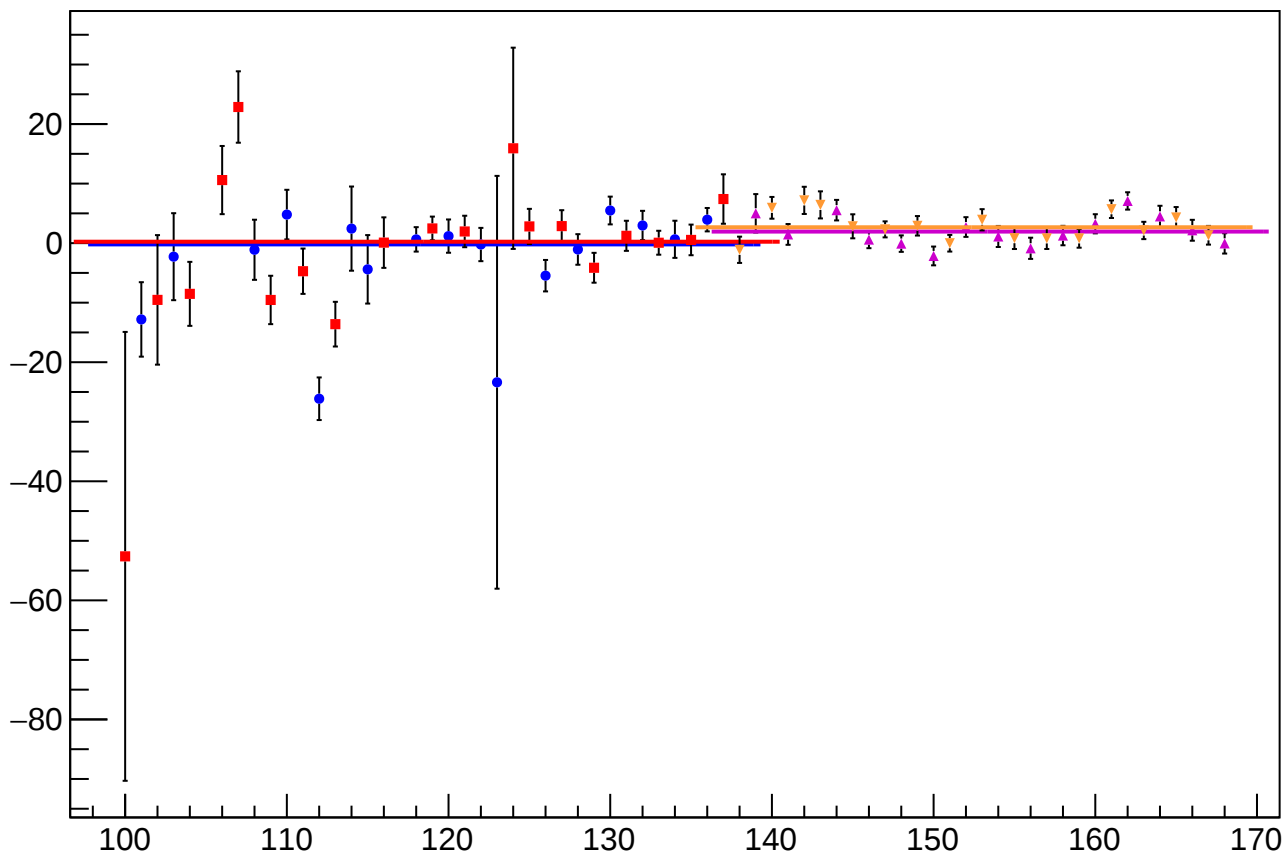
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$
 Left Out: 31.462 ± 0.503 $\chi^2/\text{NDF}: 1202.1/15$
 Right Out: 25.717 ± 1.243 $\chi^2/\text{NDF}: 1378.8/18$
 Left In: 34.975 ± 0.500 $\chi^2/\text{NDF}: 127.5/14$

Left: 33.230 ± 0.355 $\chi^2/\text{NDF}: 1354.1/30$
 Right: 21.552 ± 0.880 $\chi^2/\text{NDF}: 2344.4/35$
 In: 32.535 ± 0.464 $\chi^2/\text{NDF}: 1242.5/31$
 Out: 30.653 ± 0.466 $\chi^2/\text{NDF}: 2599.3/34$
 All: 31.599 ± 0.329 $\chi^2/\text{NDF}: 3849.9/66$

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: 2.664 ± 0.424 χ^2/NDF : 26.5/15

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 1.942 ± 0.431 χ^2/NDF : 34.7/14

Left: 2.309 ± 0.302 χ^2/NDF : 62.7/30

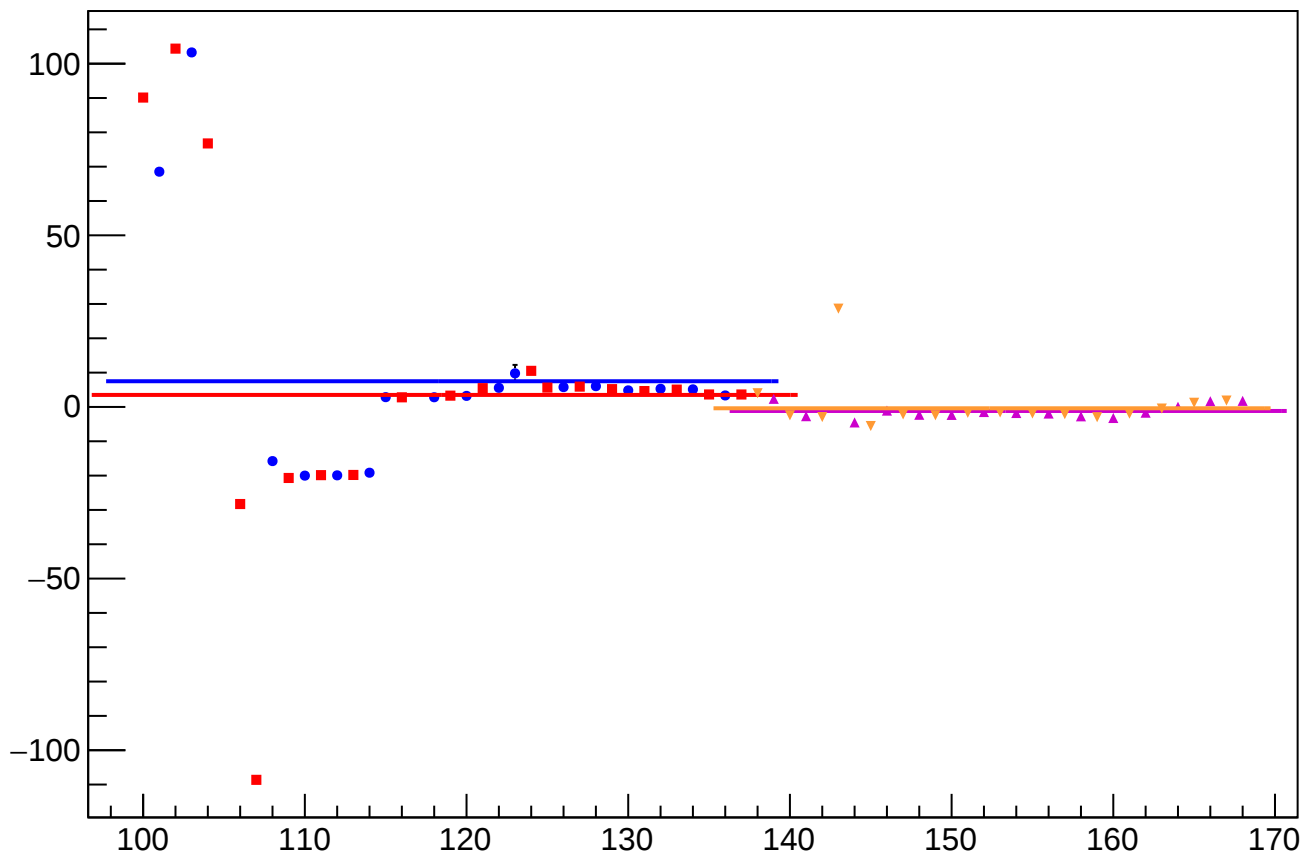
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.409 ± 0.374 χ^2/NDF : 116.8/31

Out: 2.076 ± 0.369 χ^2/NDF : 89.0/34

All: 1.747 ± 0.263 χ^2/NDF : 207.4/66

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: -0.387 ± 0.020 $\chi^2/\text{NDF}: 75167.1/15$

Right Out: 3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.4/18$

Left In: -1.171 ± 0.020 $\chi^2/\text{NDF}: 9258.1/14$

Left: -0.781 ± 0.014 $\chi^2/\text{NDF}: 85216.0/30$

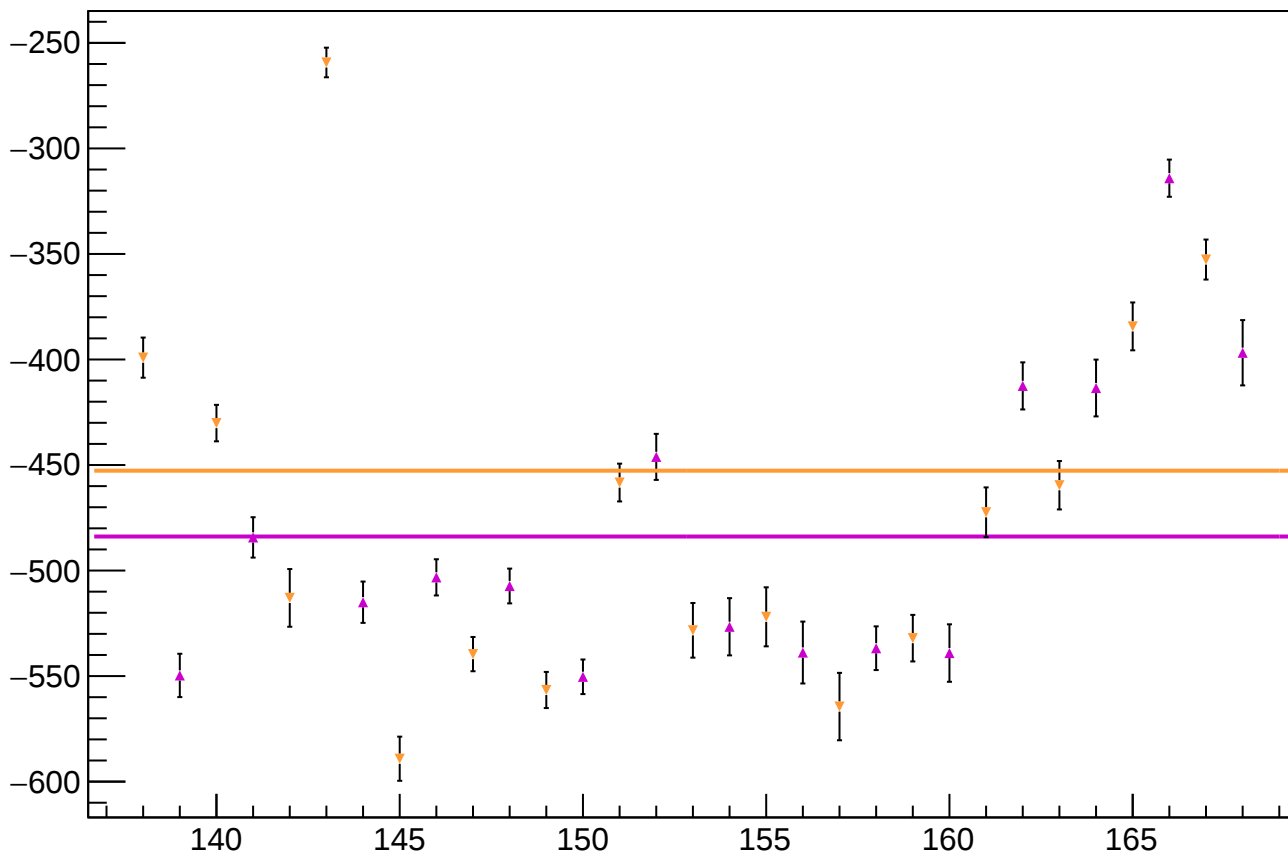
Right: 5.541 ± 0.032 $\chi^2/\text{NDF}: 870462.8/35$

In: 0.235 ± 0.018 $\chi^2/\text{NDF}: 396792.8/31$

Out: 0.228 ± 0.018 $\chi^2/\text{NDF}: 591869.9/34$

All: 0.231 ± 0.013 $\chi^2/\text{NDF}: 988662.8/66$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -452.684+/-2.520 χ^2/NDF :1560.2/15

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

Left In: -483.876+/-2.693 χ^2/NDF :680.4/14

Left: -467.249+/-1.840 χ^2/NDF : 2312.1/30

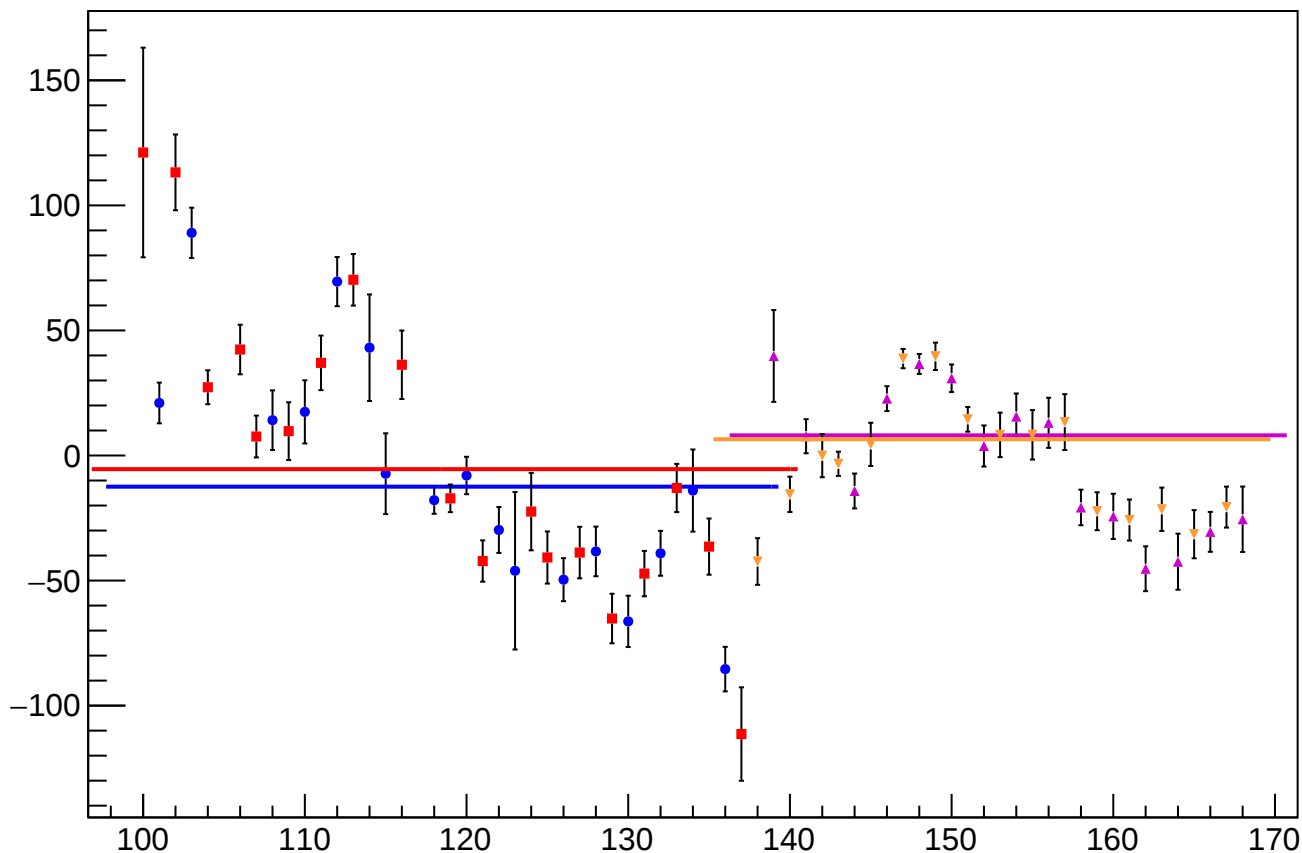
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -483.876+/-2.693 χ^2/NDF :680.4/14

Out: -452.684+/-2.520 χ^2/NDF :1560.2/15

All: -467.249+/-1.840 χ^2/NDF : 2312.1/30

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 6.510 ± 1.702 χ^2/NDF : 218.8/15

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

Left In: 8.062 ± 1.852 χ^2/NDF : 206.4/14

Left: 7.220 ± 1.253 χ^2/NDF : 425.5/30

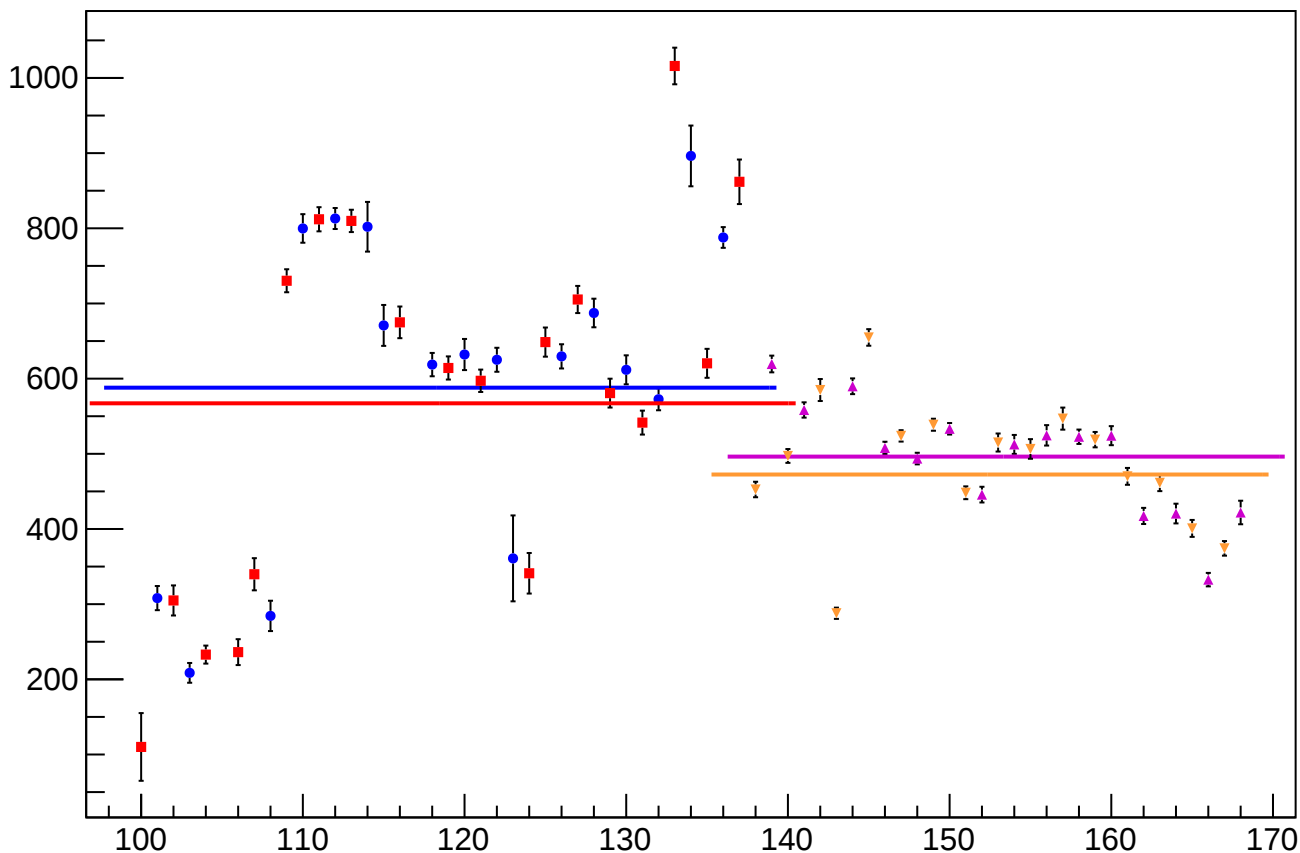
Right: -8.819 ± 1.628 χ^2/NDF : 690.7/35

In: 0.195 ± 1.454 χ^2/NDF : 594.5/31

Out: 2.178 ± 1.359 χ^2/NDF : 581.6/34

All: 1.253 ± 0.993 χ^2/NDF : 1177.2/66

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 $\pm$ 4.353 χ^2 /NDF: 2129.6/16

Left Out: 472.463 $\pm$ 2.498 χ^2 /NDF:1282.9/15

Right Out: 567.179 $\pm$ 4.136 χ^2 /NDF: 2783.2/18

Left In: 496.287 $\pm$ 2.630 χ^2 /NDF:750.0/14

Left: 483.763 $\pm$ 1.811 χ^2 /NDF: 2076.1/30

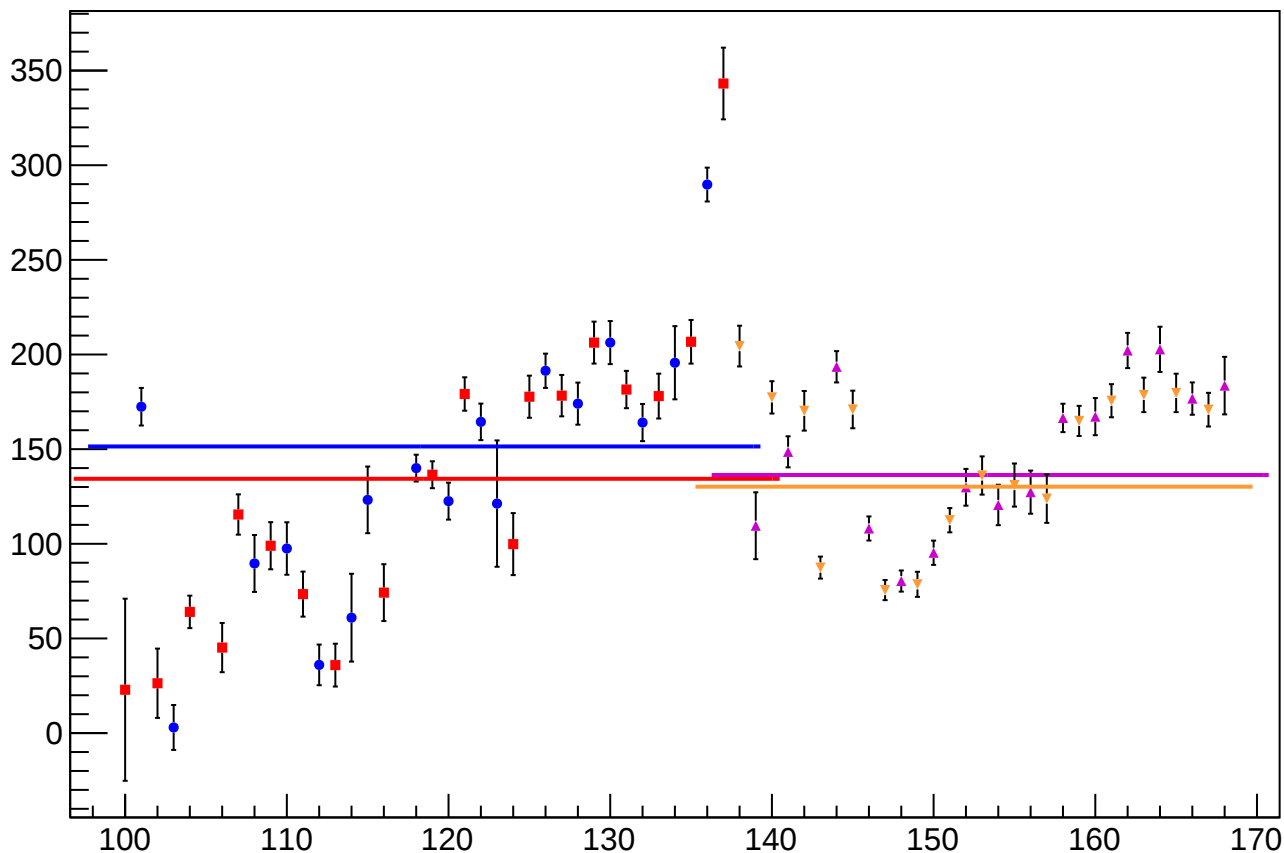
Right: 577.056 $\pm$ 2.998 χ^2 /NDF: 4924.8/35

In: 520.808 $\pm$ 2.251 χ^2 /NDF:3204.9/31

Out: 497.775 $\pm$ 2.138 χ^2 /NDF:4450.4/34

All: 508.700 $\pm$ 1.550 χ^2 /NDF: 7710.3/66

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421+/-2.709 χ^2/NDF : 633.3/16

Left Out: 130.177+/-2.038 χ^2/NDF : 457.8/15

Right Out: 134.346+/-2.616 χ^2/NDF : 584.9/18

Left In: 136.352+/-2.206 χ^2/NDF : 355.9/14

Left: 133.021+/-1.497 χ^2/NDF : 817.9/30

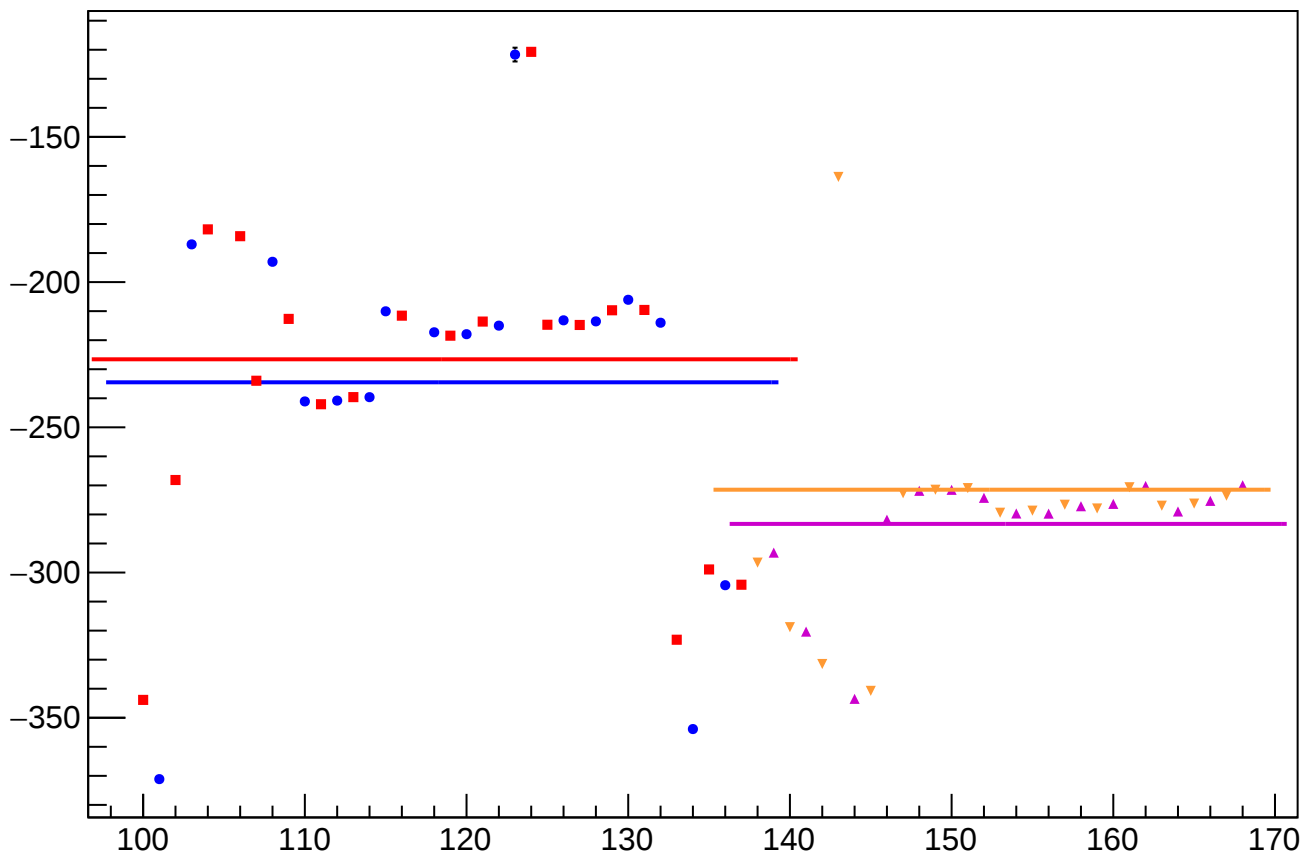
Right: 142.583+/-1.882 χ^2/NDF : 1238.7/35

In: 142.359+/-1.710 χ^2/NDF : 1007.7/31

Out: 131.752+/-1.608 χ^2/NDF : 1044.3/34

All: 136.727+/-1.171 χ^2/NDF : 2072.4/66

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -271.479+/-0.101 χ^2/NDF : 183011.7/15

Right Out: -226.581+/-0.141 χ^2/NDF : 98968.8/18

Left In: -283.254+/-0.106 χ^2/NDF : 31577.3/14

Left: -277.086+/-0.073 χ^2/NDF : 221094.0/30

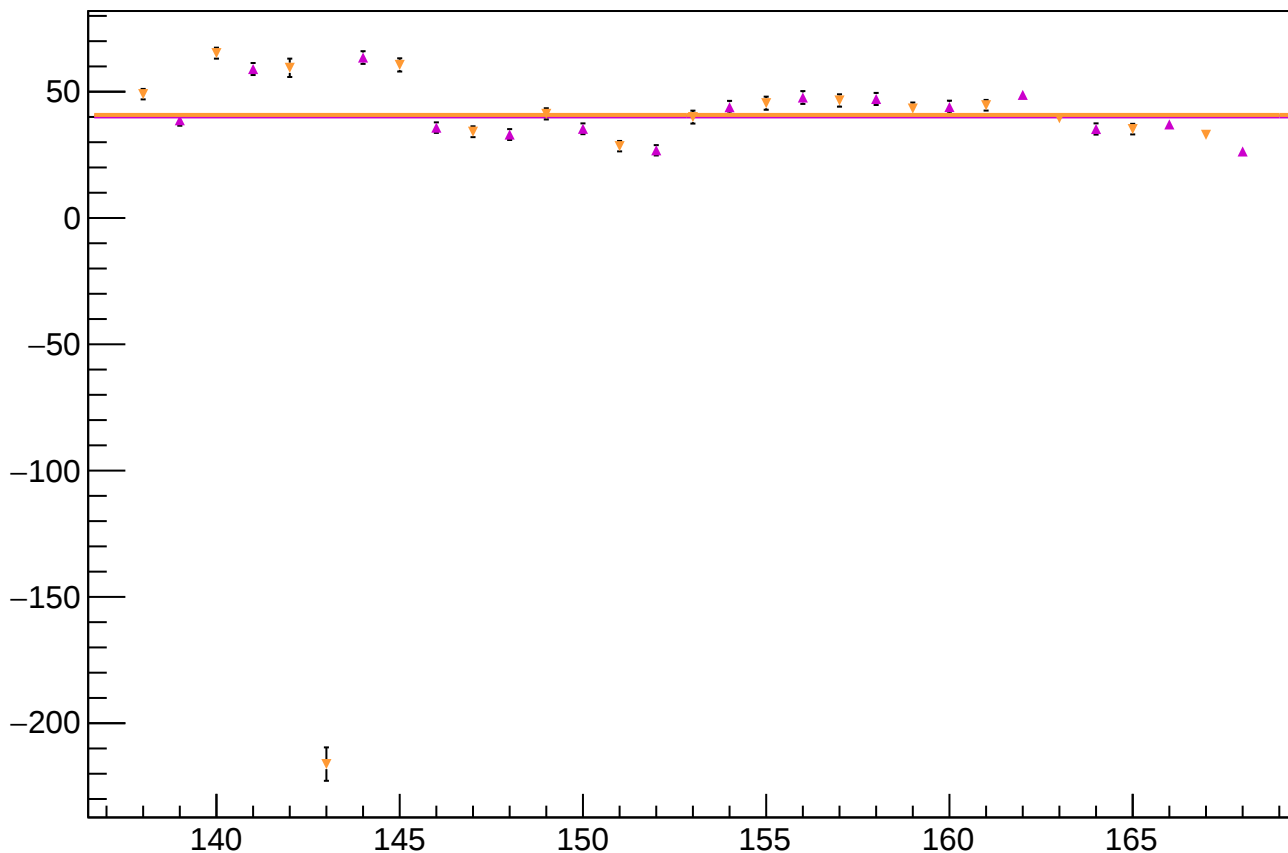
Right: -230.333+/-0.103 χ^2/NDF : 245501.4/35

In: -266.945+/-0.086 χ^2/NDF : 247842.6/31

Out: -256.361+/-0.082 χ^2/NDF : 348846.1/34

All: -261.393+/-0.059 χ^2/NDF : 604597.9/66

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: 40.808+/-0.577 χ^2/NDF :1822.5/15

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

Left In: 40.198+/-0.565 χ^2/NDF :315.3/14

Left: 40.497+/-0.404 χ^2/NDF : 2138.3/30

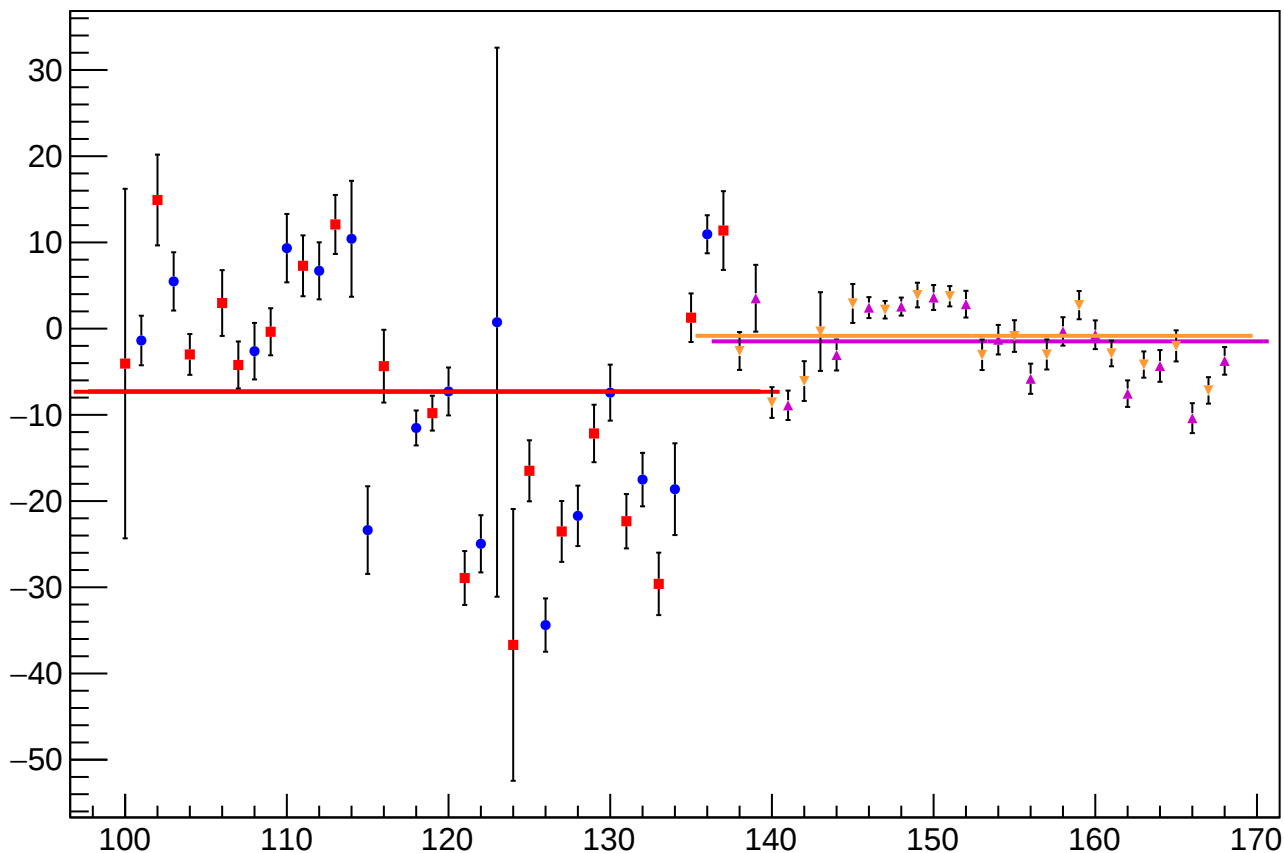
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 40.198+/-0.565 χ^2/NDF :315.3/14

Out: 40.808+/-0.577 χ^2/NDF :1822.5/15

All: 40.497+/-0.404 χ^2/NDF : 2138.3/30

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -0.832 ± 0.406 χ^2/NDF : 94.3/15

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: -1.478 ± 0.407 χ^2/NDF : 119.8/14

Left: -1.155 ± 0.288 χ^2/NDF : 215.4/30

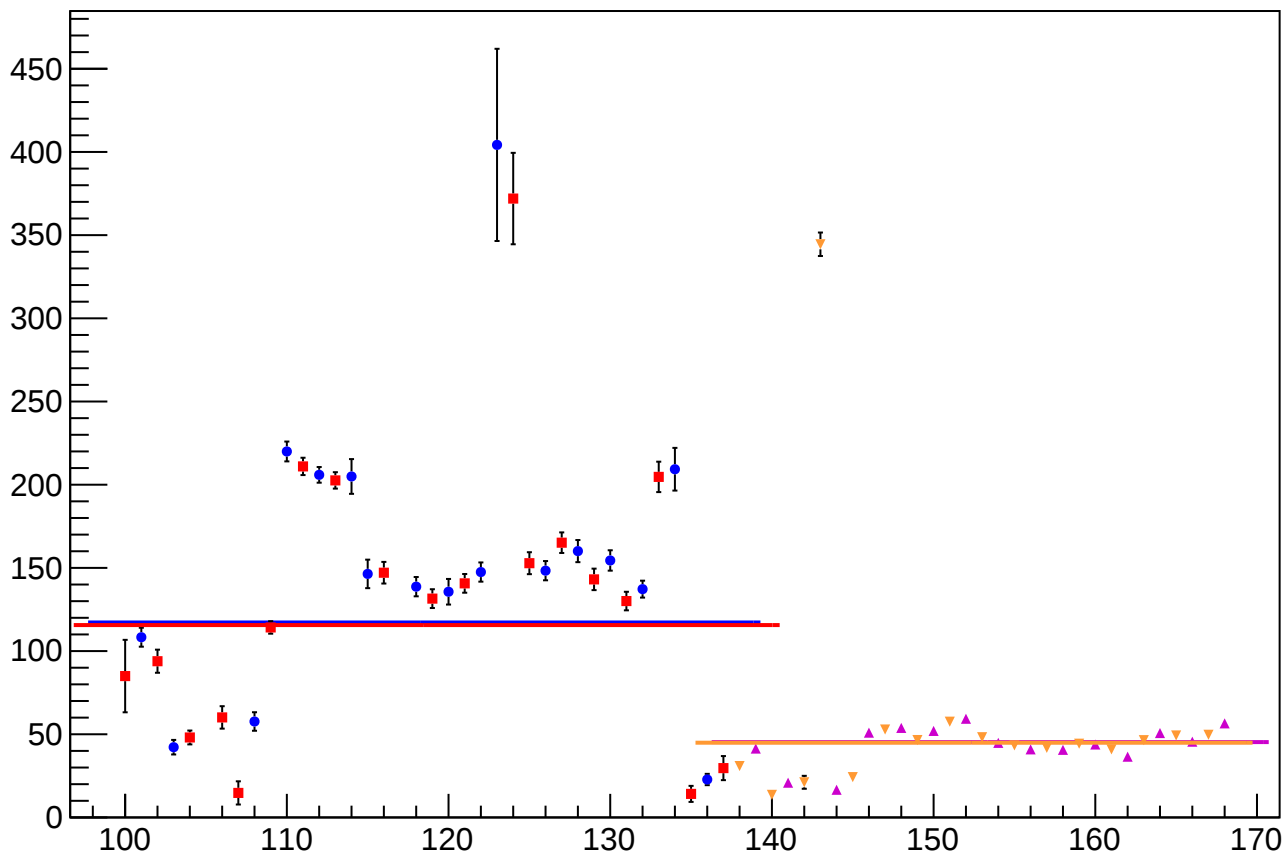
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -2.699 ± 0.362 χ^2/NDF : 445.8/31

Out: -2.272 ± 0.358 χ^2/NDF : 406.2/34

All: -2.484 ± 0.255 χ^2/NDF : 852.8/66

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187+/-1.416 χ^2/NDF : 2161.0/16

Left Out: 44.932+/-0.564 χ^2/NDF : 2197.3/15

Right Out: 115.632+/-1.361 χ^2/NDF : 2137.6/18

Left In: 45.298+/-0.552 χ^2/NDF : 369.6/14

Left: 45.119+/-0.395 χ^2/NDF : 2567.1/30

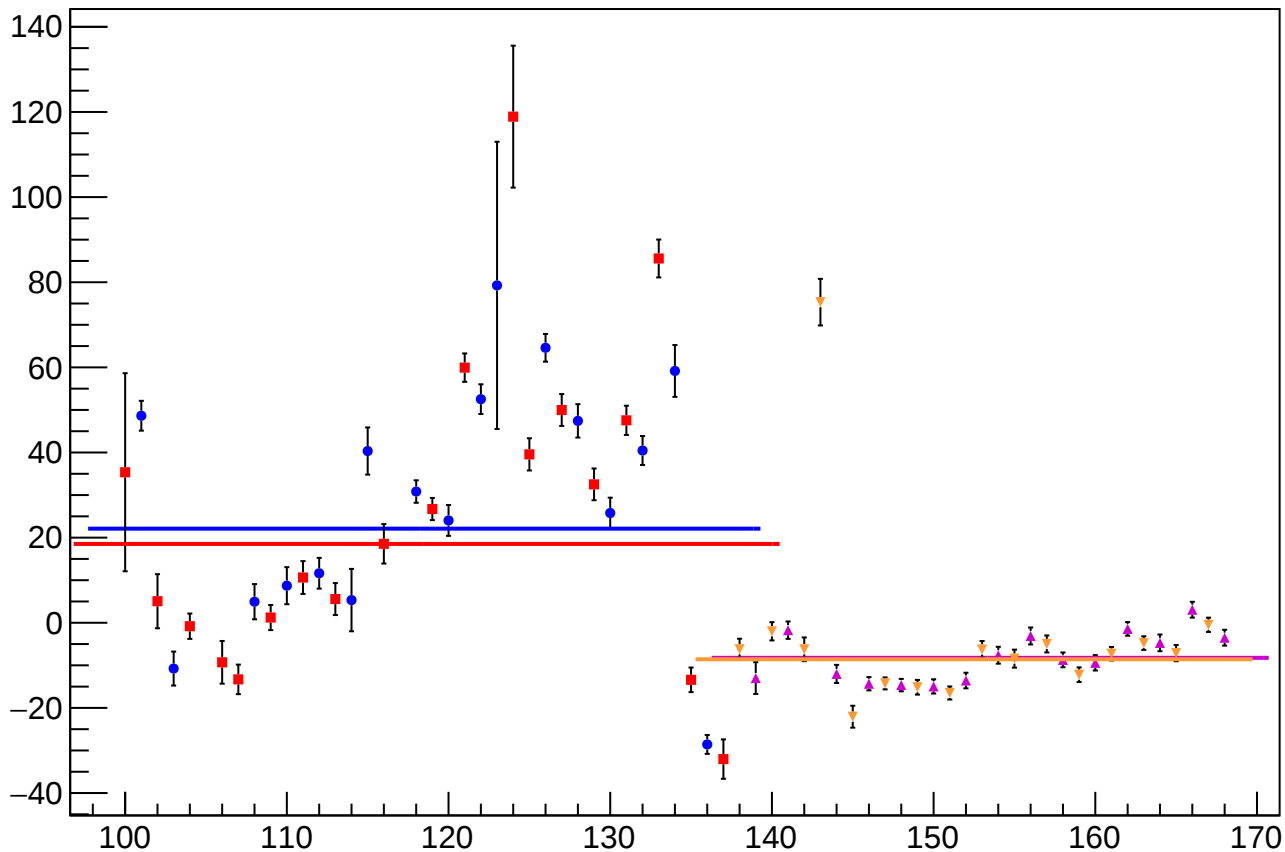
Right: 116.378+/-0.981 χ^2/NDF : 4299.2/35

In: 54.775+/-0.514 χ^2/NDF : 4767.2/31

Out: 55.307+/-0.521 χ^2/NDF : 6637.3/34

All: 55.037+/-0.366 χ^2/NDF : 11405.0/66

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: -8.578 $\pm$ 0.474 χ^2 /NDF:370.1/15

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

Left In: -8.234 $\pm$ 0.475 χ^2 /NDF:145.8/14

Left: -8.406 $\pm$ 0.336 χ^2 /NDF: 516.1/30

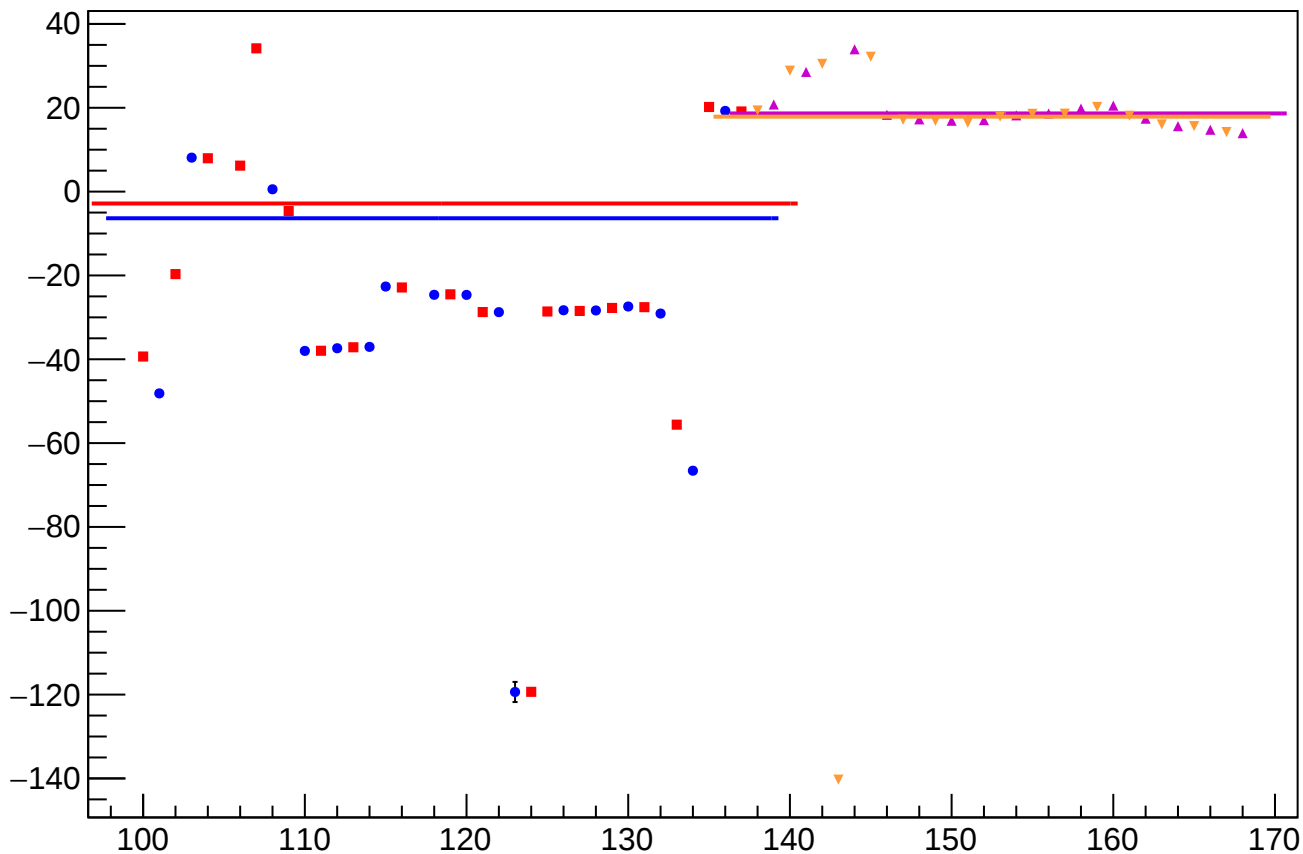
Right: 20.261 $\pm$ 0.625 χ^2 /NDF: 2147.1/35

In: -1.609 $\pm$ 0.420 χ^2 /NDF:2108.3/31

Out: -2.380 $\pm$ 0.417 χ^2 /NDF:2184.9/34

All: -1.998 $\pm$ 0.296 χ^2 /NDF: 4294.9/66

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 17.881 ± 0.022 χ^2/NDF : 353834.3/15

Right Out: -2.837 ± 0.046 χ^2/NDF : 265573.0/18

Left In: 18.649 ± 0.022 χ^2/NDF : 36566.2/14

Left: 18.274 ± 0.016 χ^2/NDF : 391010.0/30

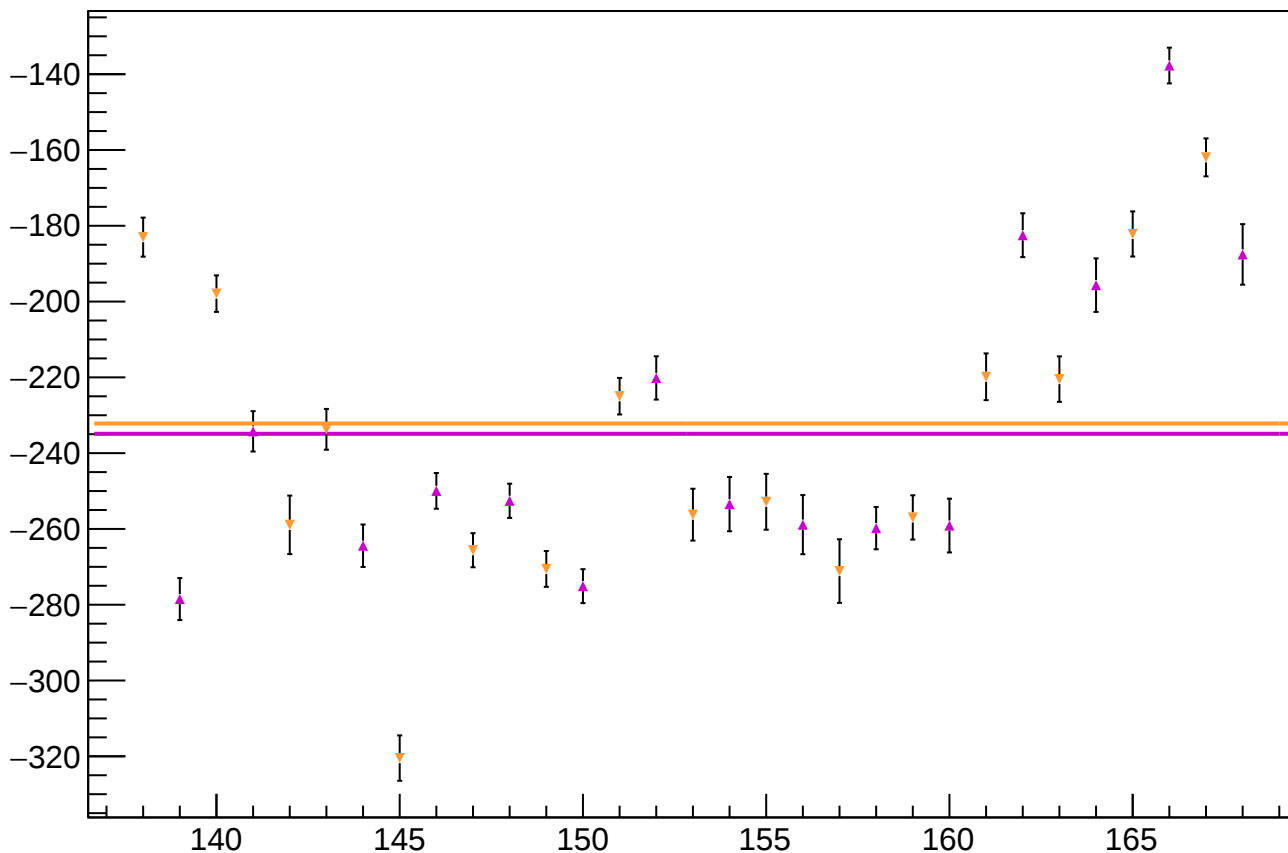
Right: -4.577 ± 0.033 χ^2/NDF : 533252.4/35

In: 14.136 ± 0.020 χ^2/NDF : 540280.9/31

Out: 13.925 ± 0.020 χ^2/NDF : 785357.6/34

All: 14.032 ± 0.014 χ^2/NDF : 1325695.0/66

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: -232.181+/-1.410 χ^2/NDF :829.8/15

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

Left In: -234.889+/-1.455 χ^2/NDF :823.1/14

Left: -233.493+/-1.013 χ^2/NDF : 1654.6/30

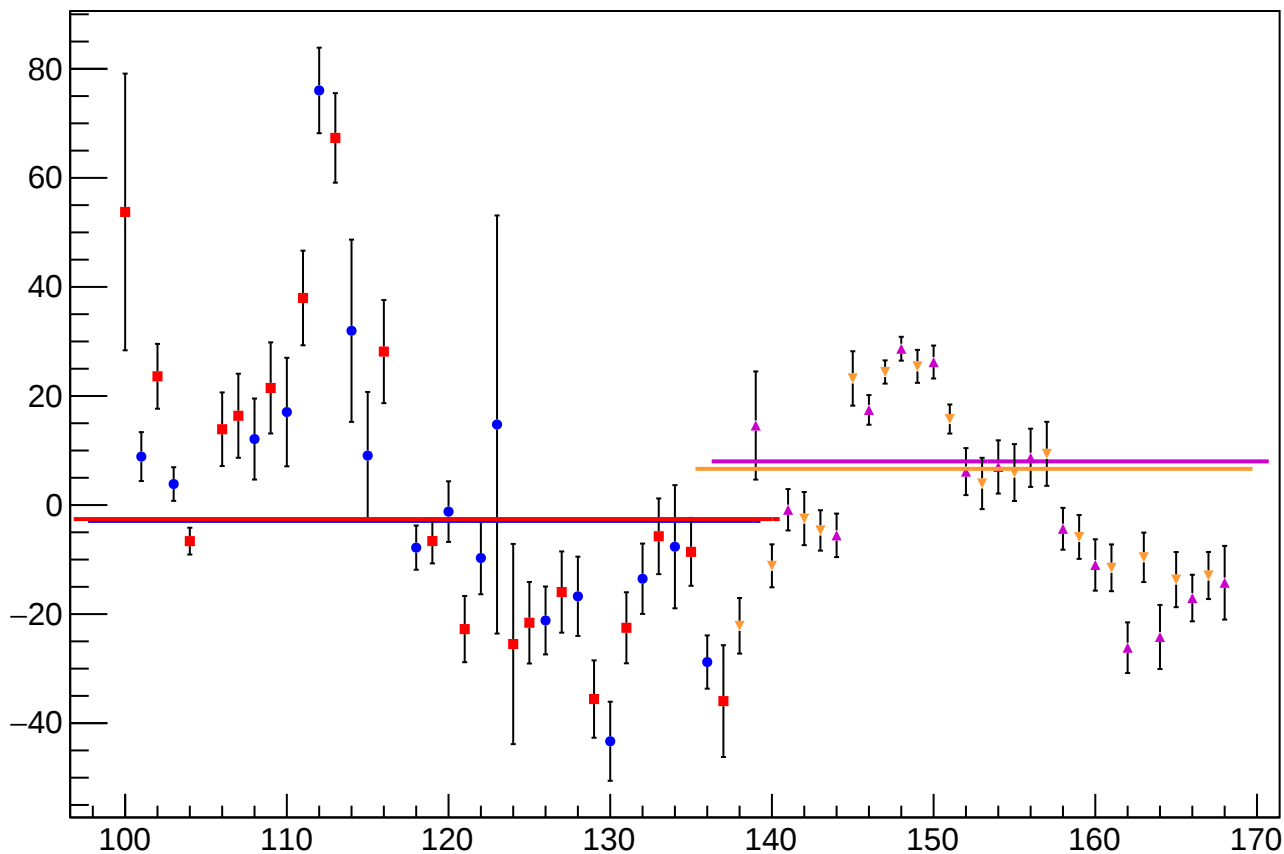
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -234.889+/-1.455 χ^2/NDF :823.1/14

Out: -232.181+/-1.410 χ^2/NDF :829.8/15

All: -233.493+/-1.013 χ^2/NDF : 1654.6/30

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: 6.644 ± 0.955 χ^2/NDF : 273.4/15

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

Left In: 8.007 ± 1.004 χ^2/NDF : 311.4/14

Left: 7.291 ± 0.692 χ^2/NDF : 585.8/30

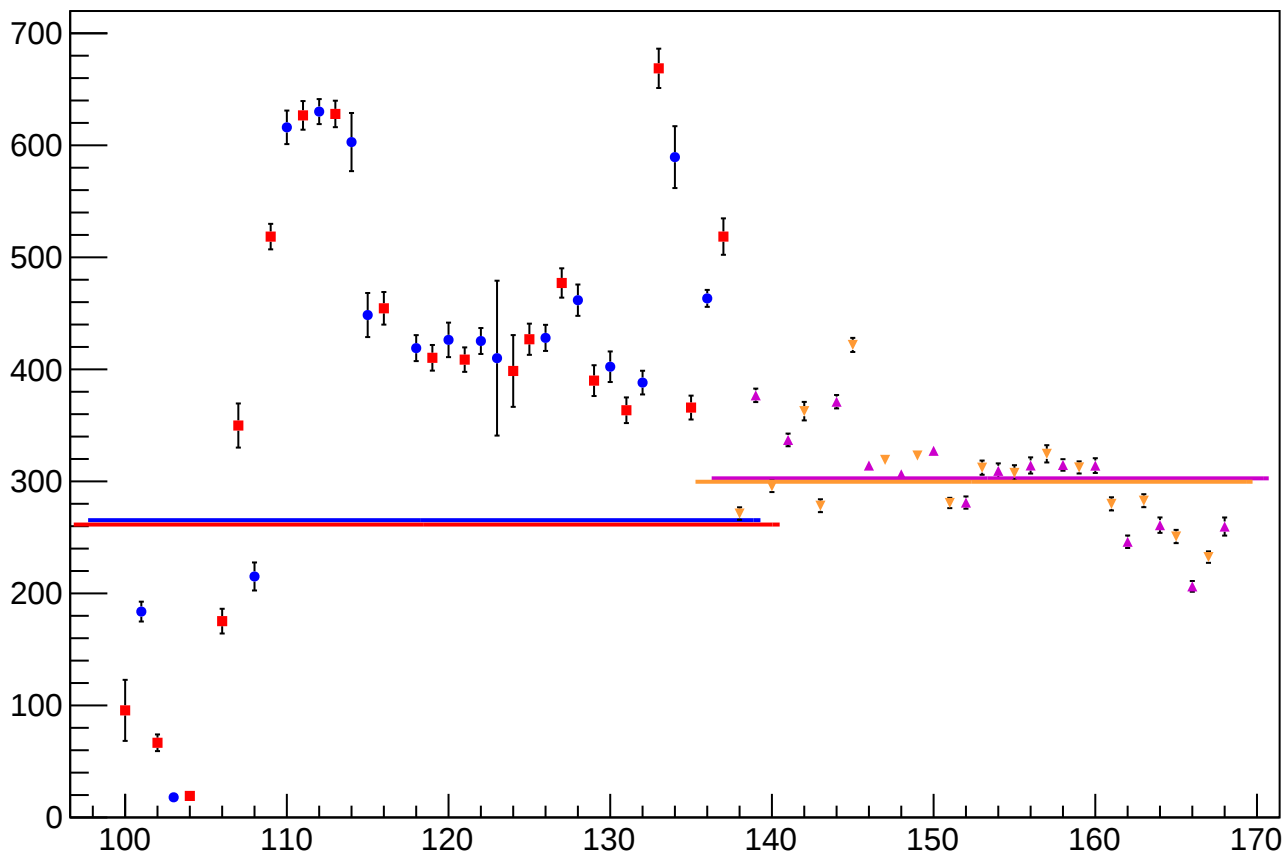
Right: -2.728 ± 1.011 χ^2/NDF : 421.8/35

In: 4.528 ± 0.828 χ^2/NDF : 552.6/31

Out: 3.708 ± 0.788 χ^2/NDF : 521.3/34

All: 4.098 ± 0.571 χ^2/NDF : 1074.4/66

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: 299.677+/-1.390 χ^2/NDF :823.6/15

Right Out: 261.465+/-2.458 χ^2/NDF : 8204.3/18

Left In: 302.711+/-1.419 χ^2/NDF :960.0/14

Left: 301.162+/-0.993 χ^2/NDF : 1786.0/30

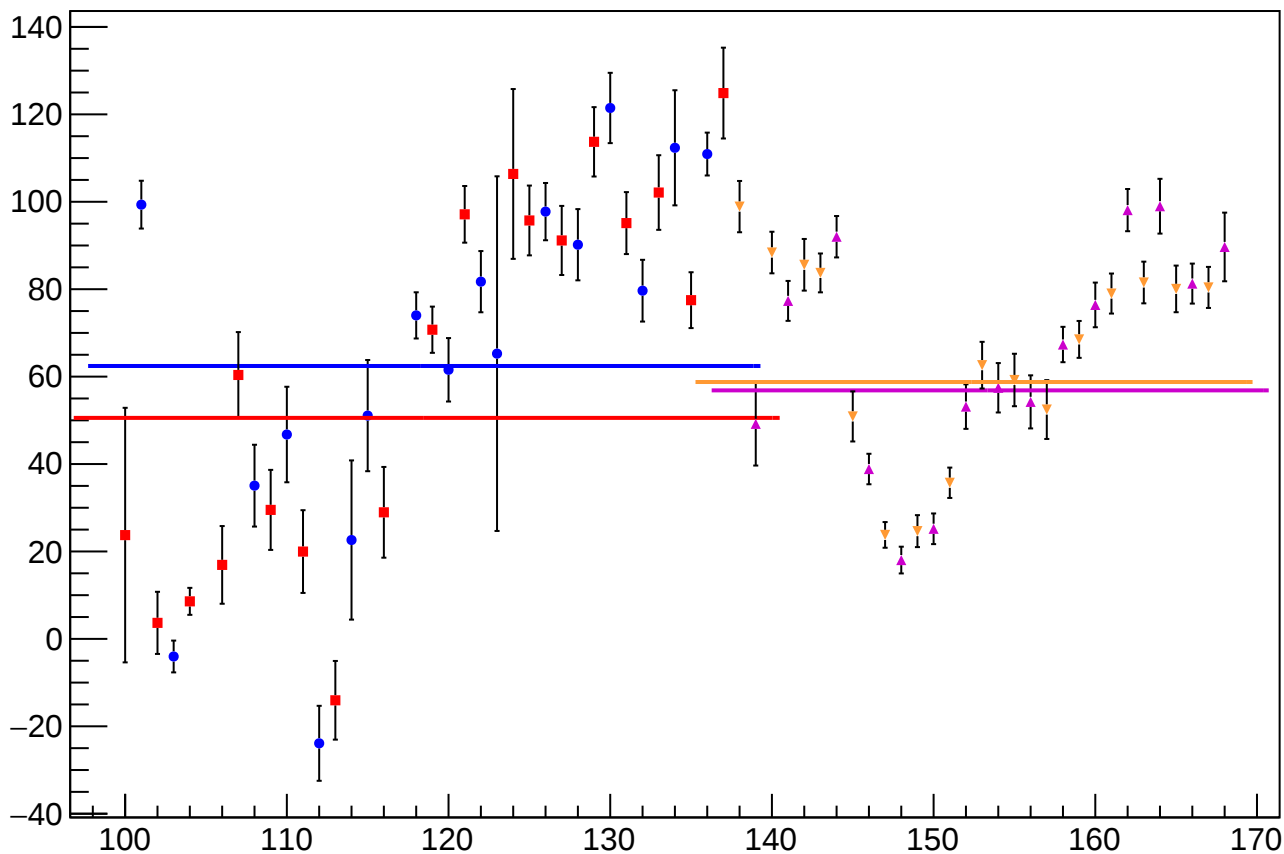
Right: 263.393+/-1.749 χ^2/NDF : 15839.3/35

In: 293.544+/-1.233 χ^2/NDF :8763.8/31

Out: 290.422+/-1.210 χ^2/NDF :9211.1/34

All: 291.953+/-0.863 χ^2/NDF : 17978.2/66

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434 ± 1.694 χ^2/NDF : 721.8/16

Left Out: 58.769 ± 1.140 χ^2/NDF : 498.6/15

Right Out: 50.560 ± 1.642 χ^2/NDF : 657.4/18

Left In: 56.853 ± 1.193 χ^2/NDF : 531.2/14

Left: 57.855 ± 0.824 χ^2/NDF : 1031.2/30

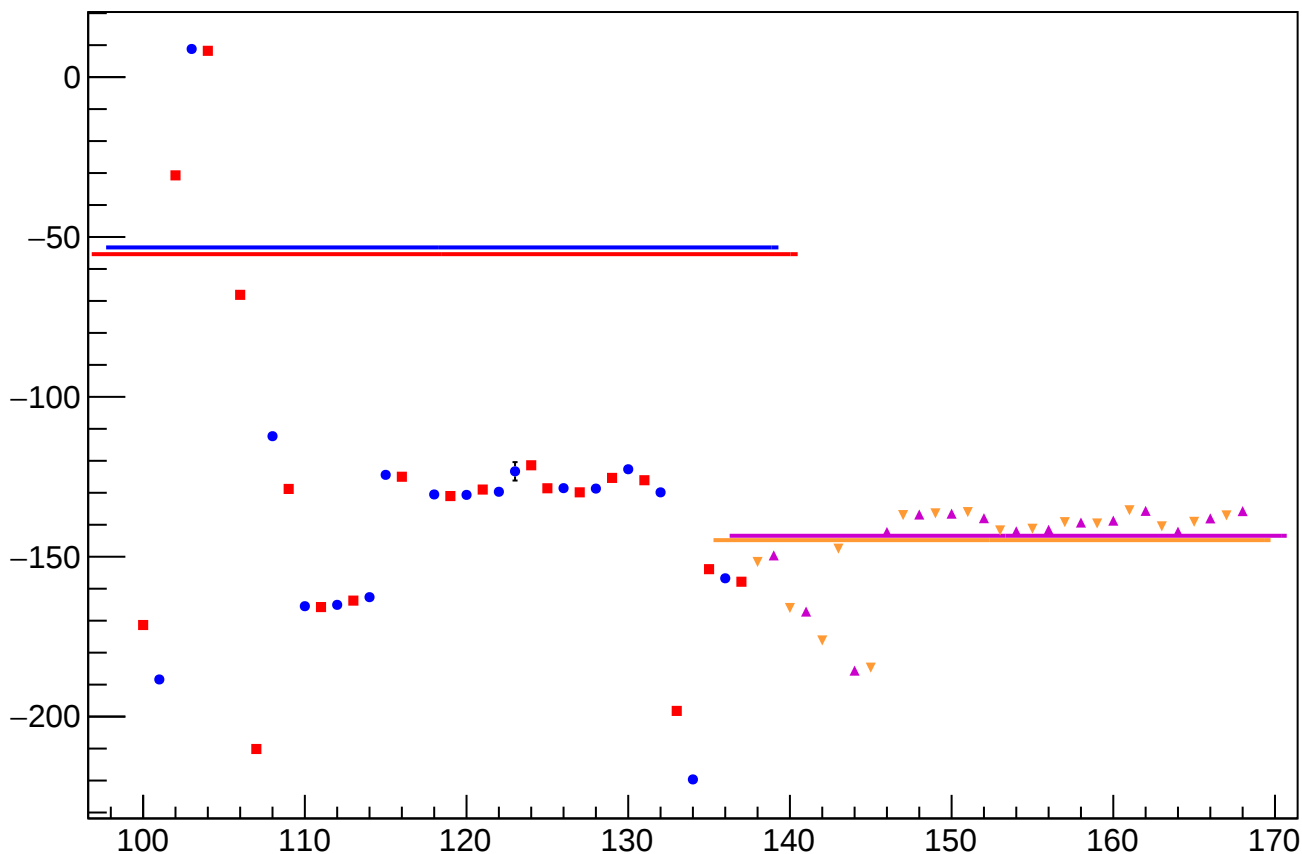
Right: 56.313 ± 1.179 χ^2/NDF : 1404.5/35

In: 58.704 ± 0.975 χ^2/NDF : 1260.3/31

Out: 56.100 ± 0.936 χ^2/NDF : 1172.9/34

All: 57.349 ± 0.675 χ^2/NDF : 2436.8/66

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: -144.811 ± 0.056 $\chi^2/\text{NDF}: 55819.5/15$

Right Out: -55.373 ± 0.072 $\chi^2/\text{NDF}: 967027.2/18$

Left In: -143.443 ± 0.057 $\chi^2/\text{NDF}: 44410.6/14$

Left: -144.139 ± 0.040 $\chi^2/\text{NDF}: 100524.1/30$

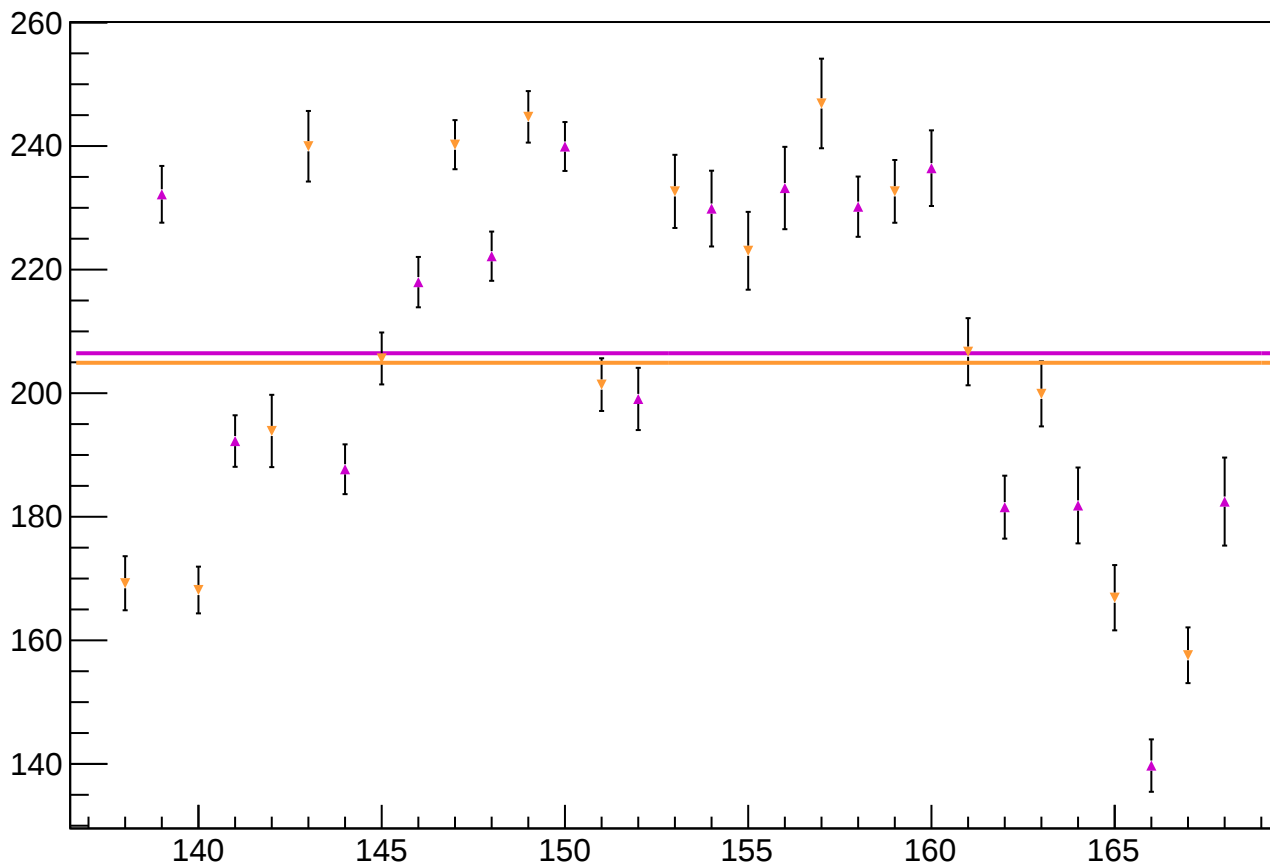
Right: -54.295 ± 0.050 $\chi^2/\text{NDF}: 2192958.9/35$

In: -107.826 ± 0.044 $\chi^2/\text{NDF}: 2262362.7/31$

Out: -111.147 ± 0.044 $\chi^2/\text{NDF}: 1986433.7/34$

All: -109.491 ± 0.031 $\chi^2/\text{NDF}: 4251620.0/66$

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: 204.922+/-1.212 χ^2/NDF : 629.4/15

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

Left In: 206.465+/-1.239 χ^2/NDF : 538.8/14

Left: 205.676+/-0.867 χ^2/NDF : 1169.0/30

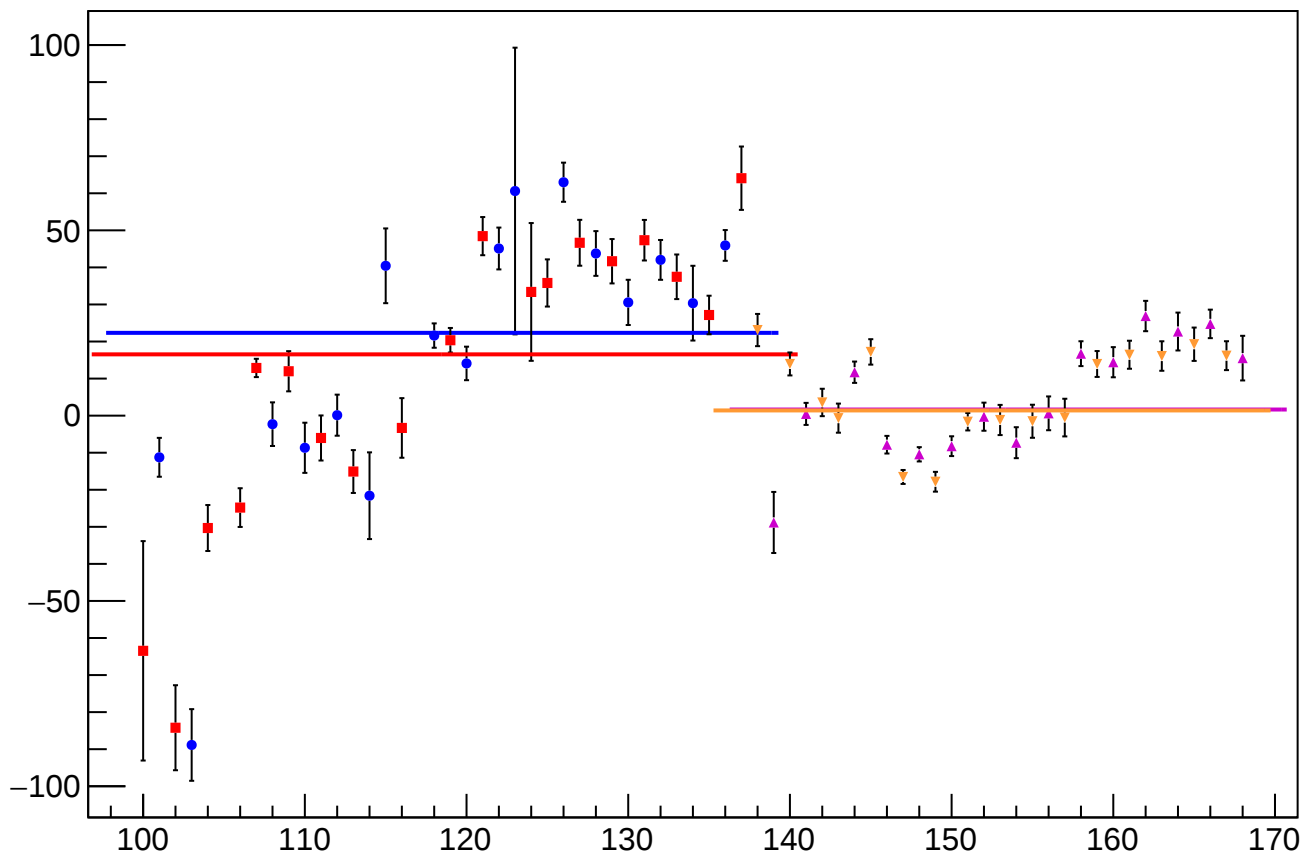
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 206.465+/-1.239 χ^2/NDF : 538.8/14

Out: 204.922+/-1.212 χ^2/NDF : 629.4/15

All: 205.676+/-0.867 χ^2/NDF : 1169.0/30

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 ± 1.395 χ^2/NDF : 385.8/16

Left Out: 1.406 ± 0.827 χ^2/NDF : 280.9/15

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

Left In: 1.652 ± 0.860 χ^2/NDF : 226.2/14

Left: 1.524 ± 0.596 χ^2/NDF : 507.1/30

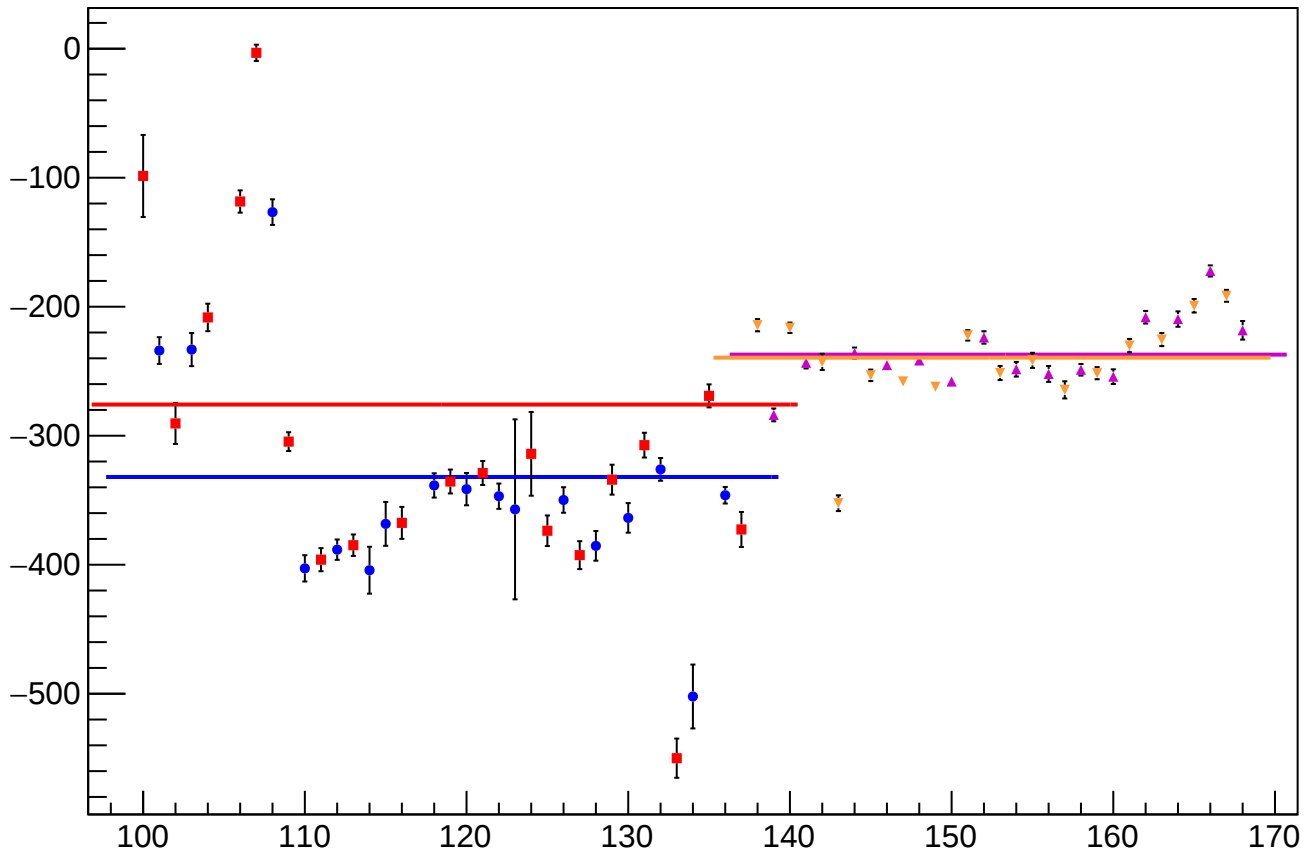
Right: 19.069 ± 0.922 χ^2/NDF : 822.2/35

In: 7.351 ± 0.732 χ^2/NDF : 771.3/31

Out: 6.131 ± 0.686 χ^2/NDF : 812.0/34

All: 6.701 ± 0.501 χ^2/NDF : 1584.8/66

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -239.488 ± 1.198 χ^2/NDF : 692.3/15

Right Out: -275.842 ± 2.325 χ^2/NDF : 3362.2/18

Left In: -237.119 ± 1.214 χ^2/NDF : 449.4/14

Left: -238.320 ± 0.853 χ^2/NDF : 1143.6/30

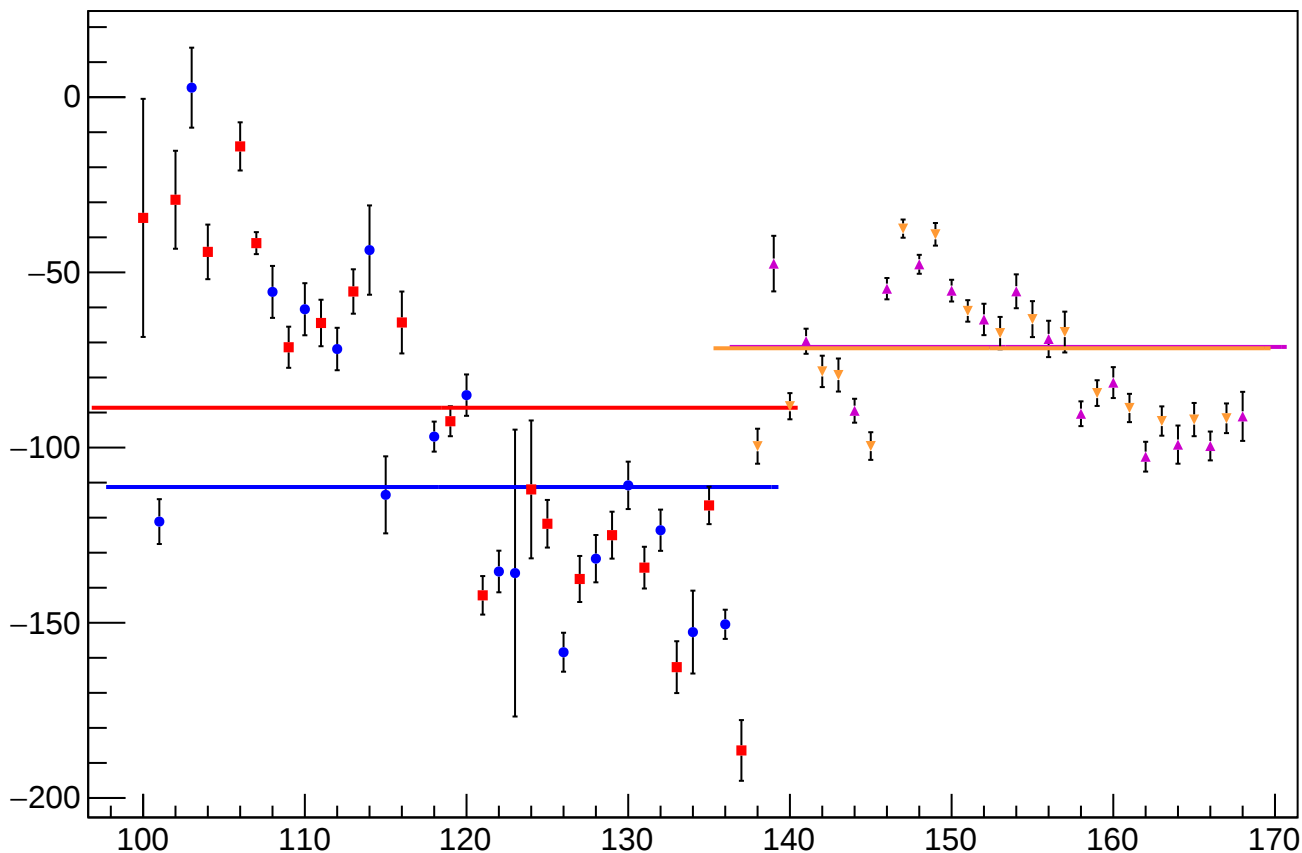
Right: -300.997 ± 1.727 χ^2/NDF : 4408.6/35

In: -254.325 ± 1.099 χ^2/NDF : 2341.1/31

Out: -247.118 ± 1.065 χ^2/NDF : 4247.7/34

All: -250.609 ± 0.765 χ^2/NDF : 6611.0/66

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: -71.658 ± 0.986 $\chi^2/\text{NDF}: 491.4/15$

Right Out: -88.633 ± 1.433 $\chi^2/\text{NDF}: 971.0/18$

Left In: -71.274 ± 1.021 $\chi^2/\text{NDF}: 354.7/14$

Left: -71.473 ± 0.709 $\chi^2/\text{NDF}: 846.2/30$

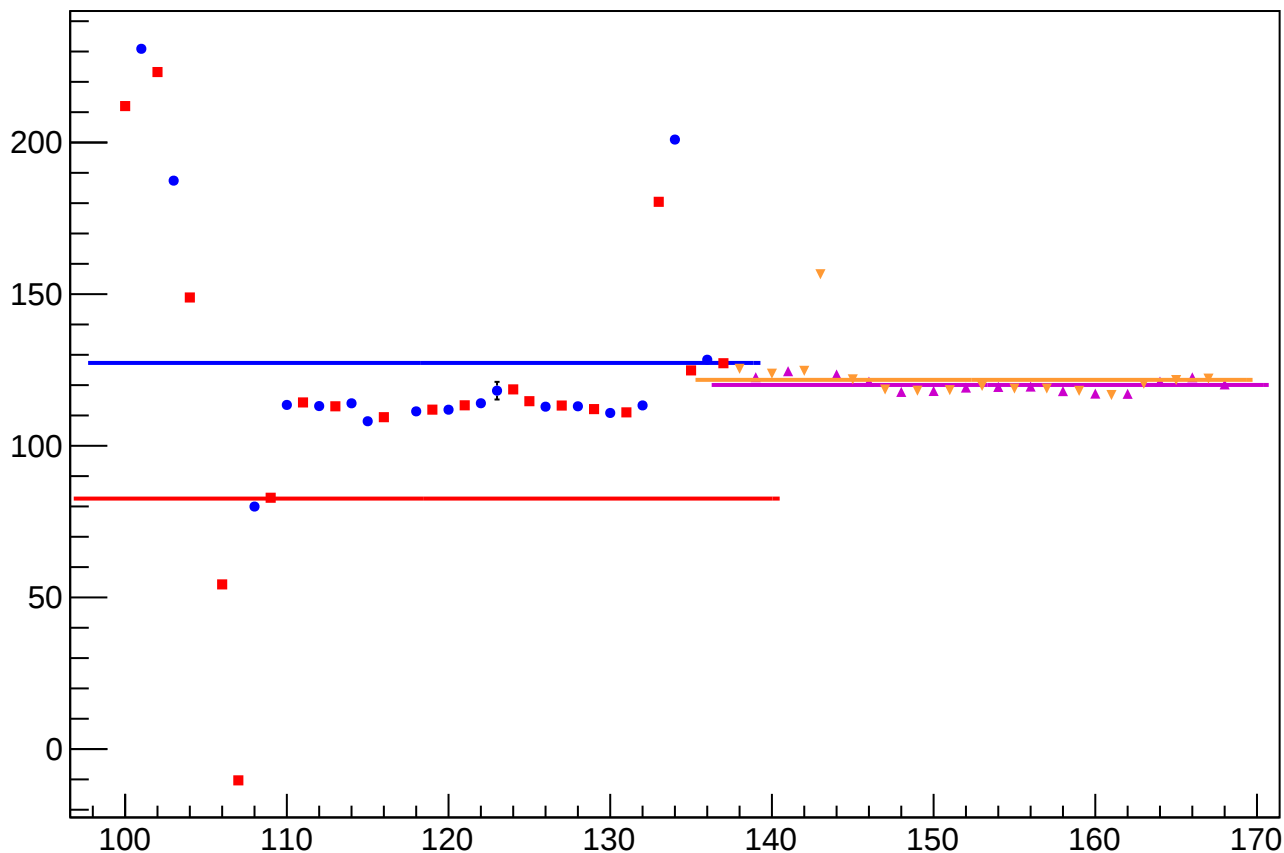
Right: -98.723 ± 1.067 $\chi^2/\text{NDF}: 1591.7/35$

In: -82.878 ± 0.860 $\chi^2/\text{NDF}: 1309.1/31$

Out: -77.113 ± 0.812 $\chi^2/\text{NDF}: 1557.6/34$

All: -79.830 ± 0.591 $\chi^2/\text{NDF}: 2890.4/66$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.741 $\pm$ 0.048 χ^2 /NDF: 23678.0/15

Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

Left In: 120.061 $\pm$ 0.049 χ^2 /NDF: 2392.3/14

Left: 120.910 $\pm$ 0.034 χ^2 /NDF: 26673.0/30

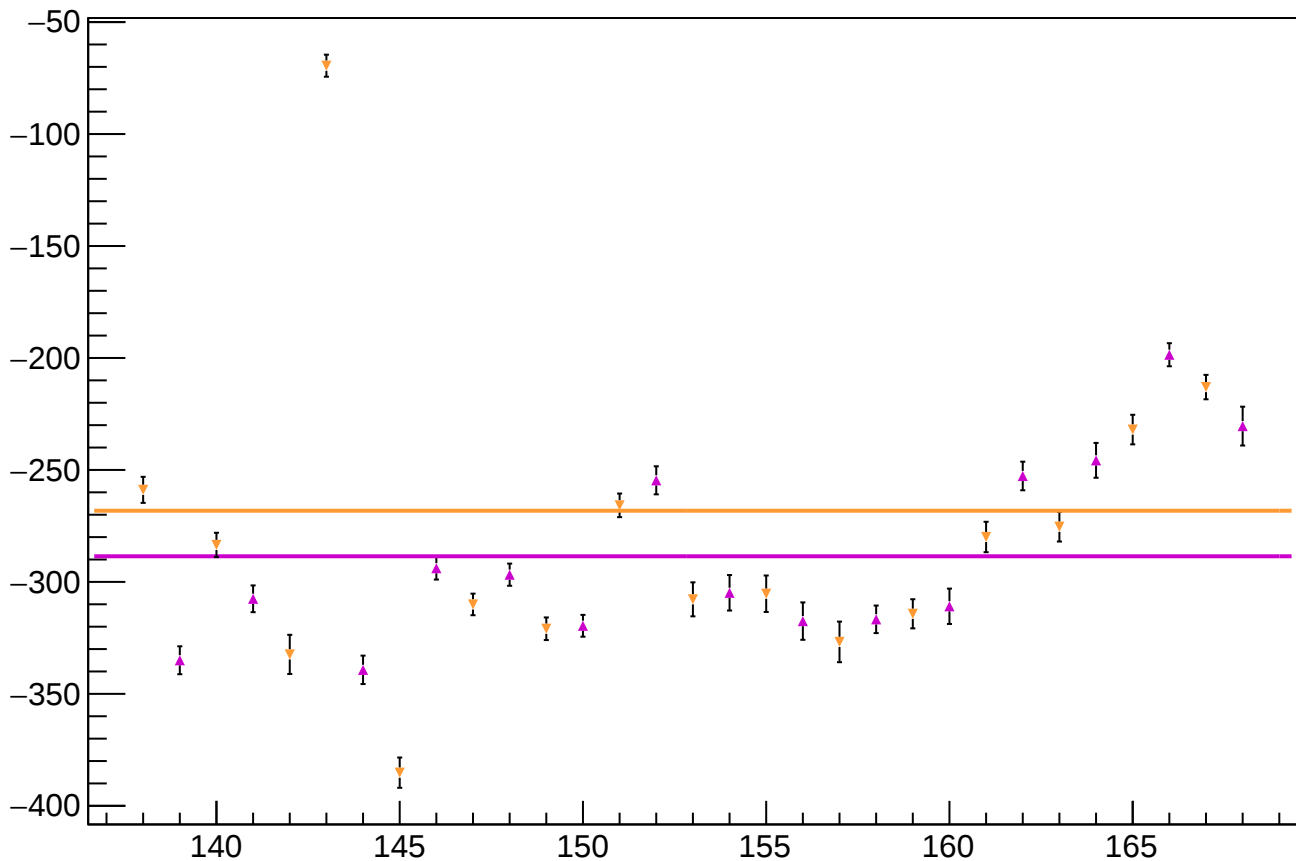
Right: 101.169 $\pm$ 0.058 χ^2 /NDF: 1099026.8/35

In: 121.720 $\pm$ 0.043 χ^2 /NDF: 195254.9/31

Out: 110.398 $\pm$ 0.041 χ^2 /NDF: 980272.6/34

All: 115.763 $\pm$ 0.029 χ^2 /NDF: 1212425.1/66

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: -268.213+/-1.530 χ^2/NDF :2453.8/15

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

Left In: -288.557+/-1.600 χ^2/NDF :660.3/14

Left: -277.931+/-1.106 χ^2/NDF : 3198.6/30

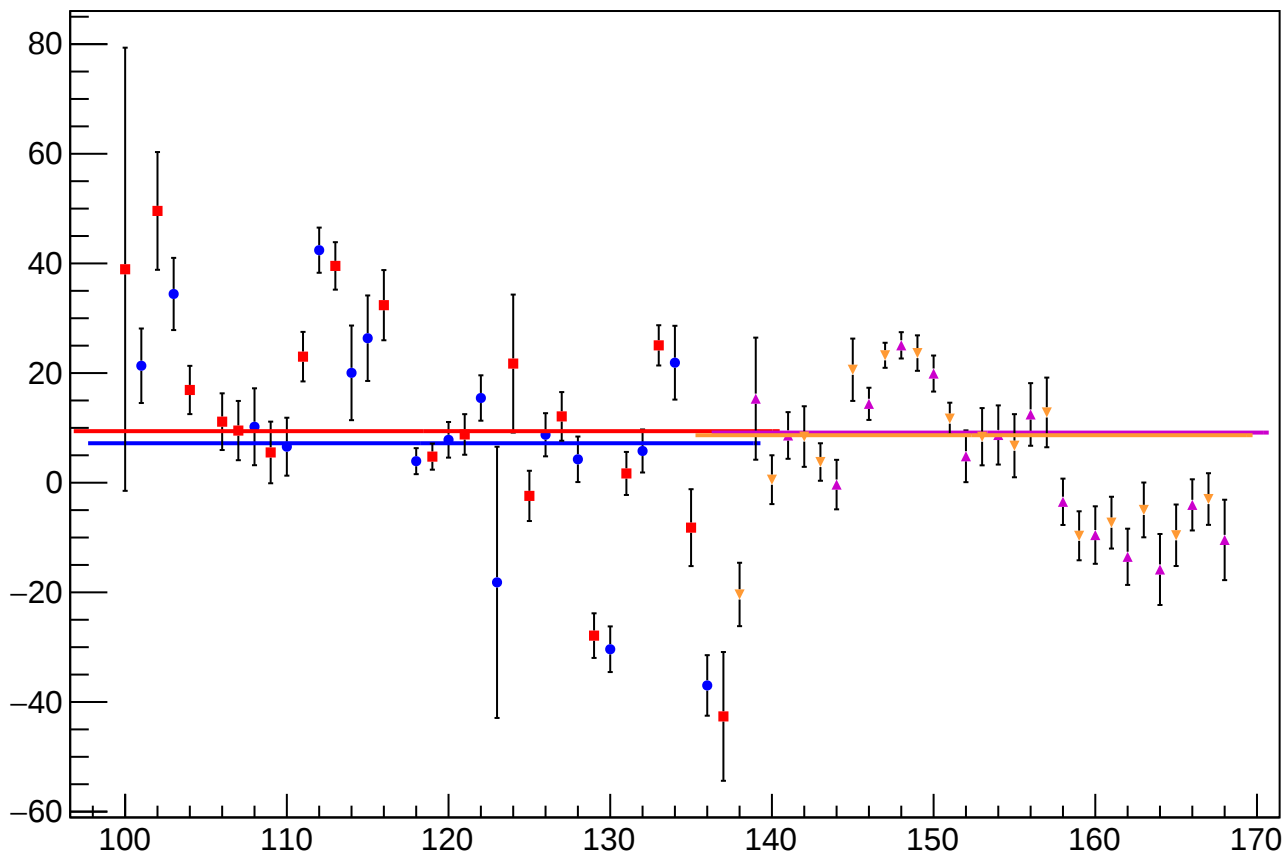
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -288.557+/-1.600 χ^2/NDF :660.3/14

Out: -268.213+/-1.530 χ^2/NDF :2453.8/15

All: -277.931+/-1.106 χ^2/NDF : 3198.6/30

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 8.665 ± 1.032 χ^2/NDF : 151.2/15

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

Left In: 9.144 ± 1.102 χ^2/NDF : 134.9/14

Left: 8.889 ± 0.753 χ^2/NDF : 286.2/30

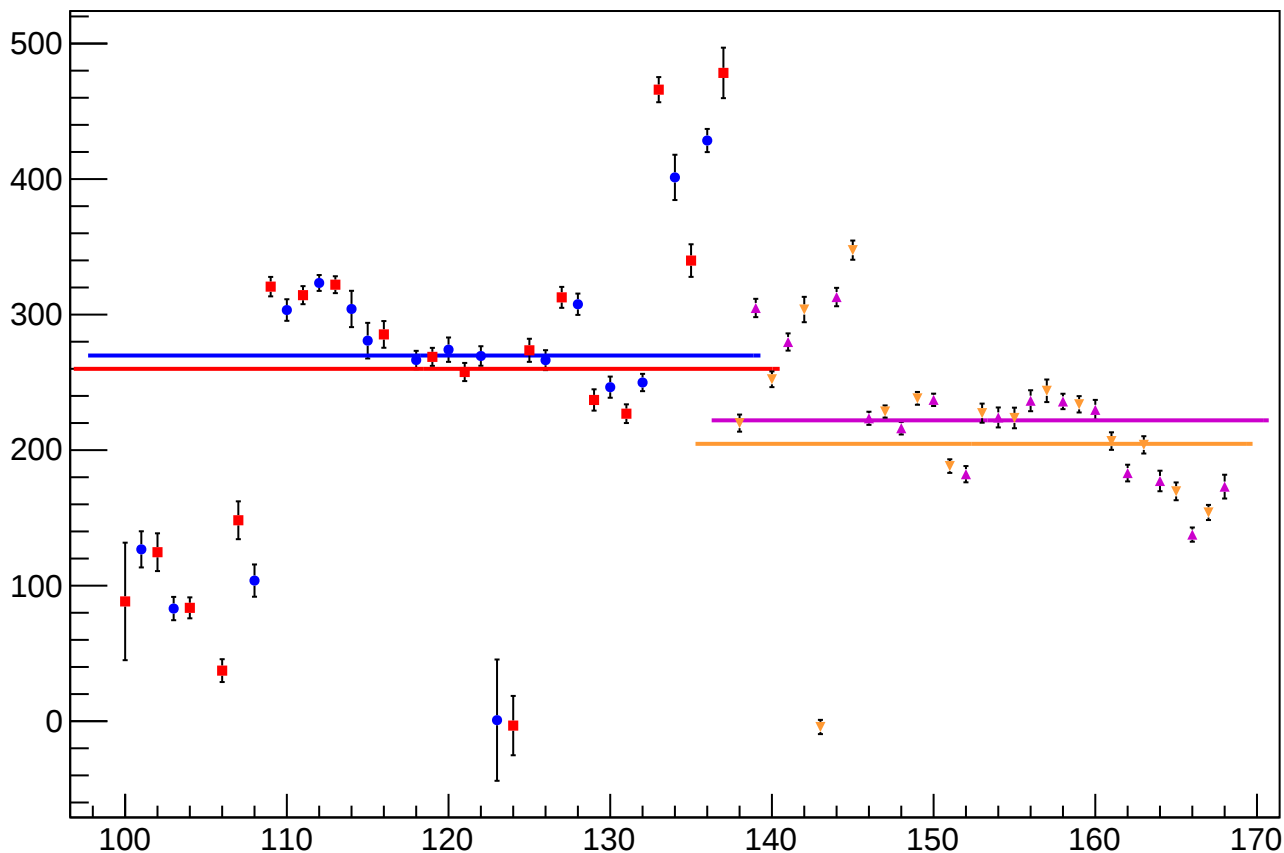
Right: 8.333 ± 0.768 χ^2/NDF : 495.1/35

In: 8.172 ± 0.780 χ^2/NDF : 397.3/31

Out: 9.020 ± 0.743 χ^2/NDF : 383.6/34

All: 8.616 ± 0.538 χ^2/NDF : 781.6/66

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: 204.646 $\pm$ 1.508 χ^2 /NDF:2435.3/15

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

Left In: 221.978 $\pm$ 1.559 χ^2 /NDF:844.1/14

Left: 213.025 $\pm$ 1.084 χ^2 /NDF: 3343.2/30

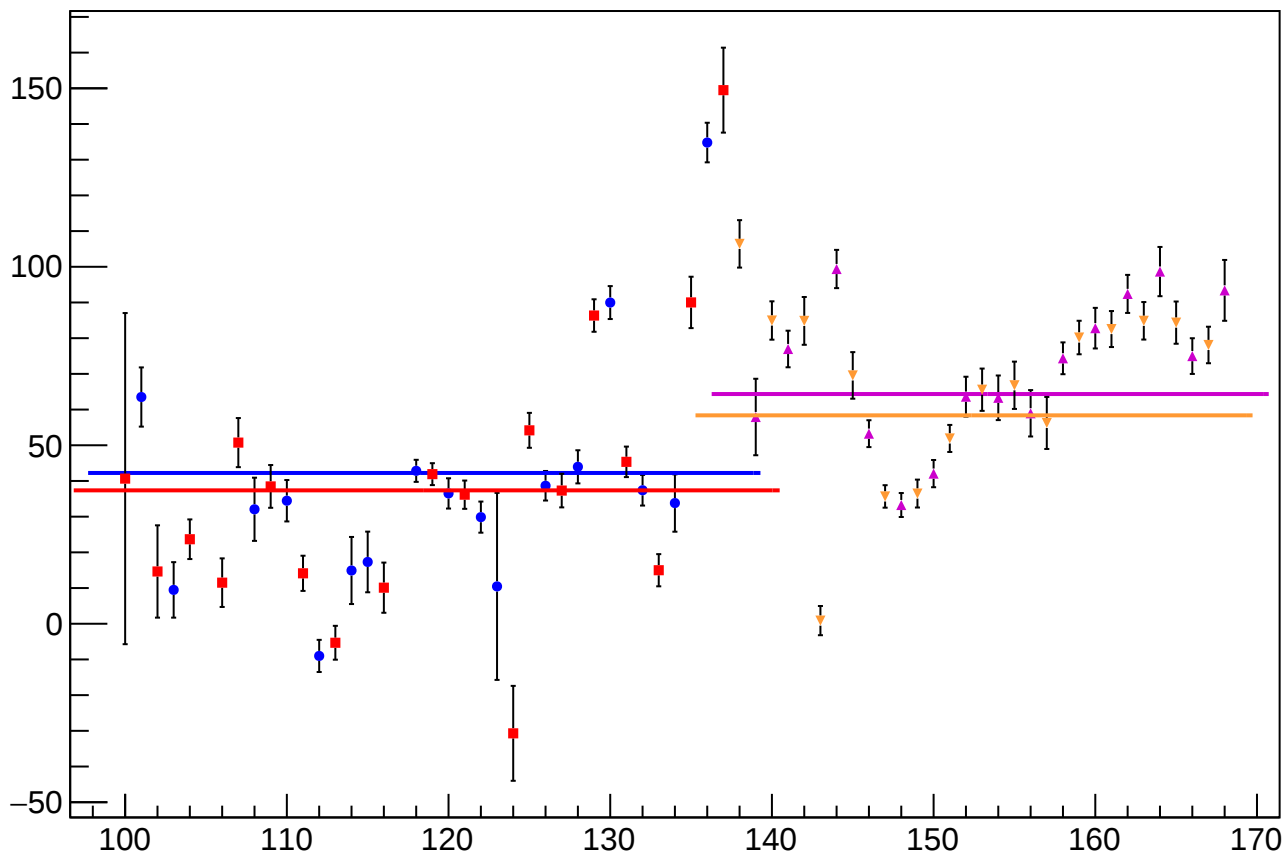
Right: 264.622 $\pm$ 1.436 χ^2 /NDF: 3924.4/35

In: 239.091 $\pm$ 1.250 χ^2 /NDF:2554.8/31

Out: 225.009 $\pm$ 1.199 χ^2 /NDF:5469.1/34

All: 231.760 $\pm$ 0.865 χ^2 /NDF: 8090.0/66

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: 58.381 $\pm$ 1.234 χ^2 /NDF: 486.5/15

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

Left In: 64.352 $\pm$ 1.311 χ^2 /NDF: 262.6/14

Left: 61.188 $\pm$ 0.898 χ^2 /NDF: 760.1/30

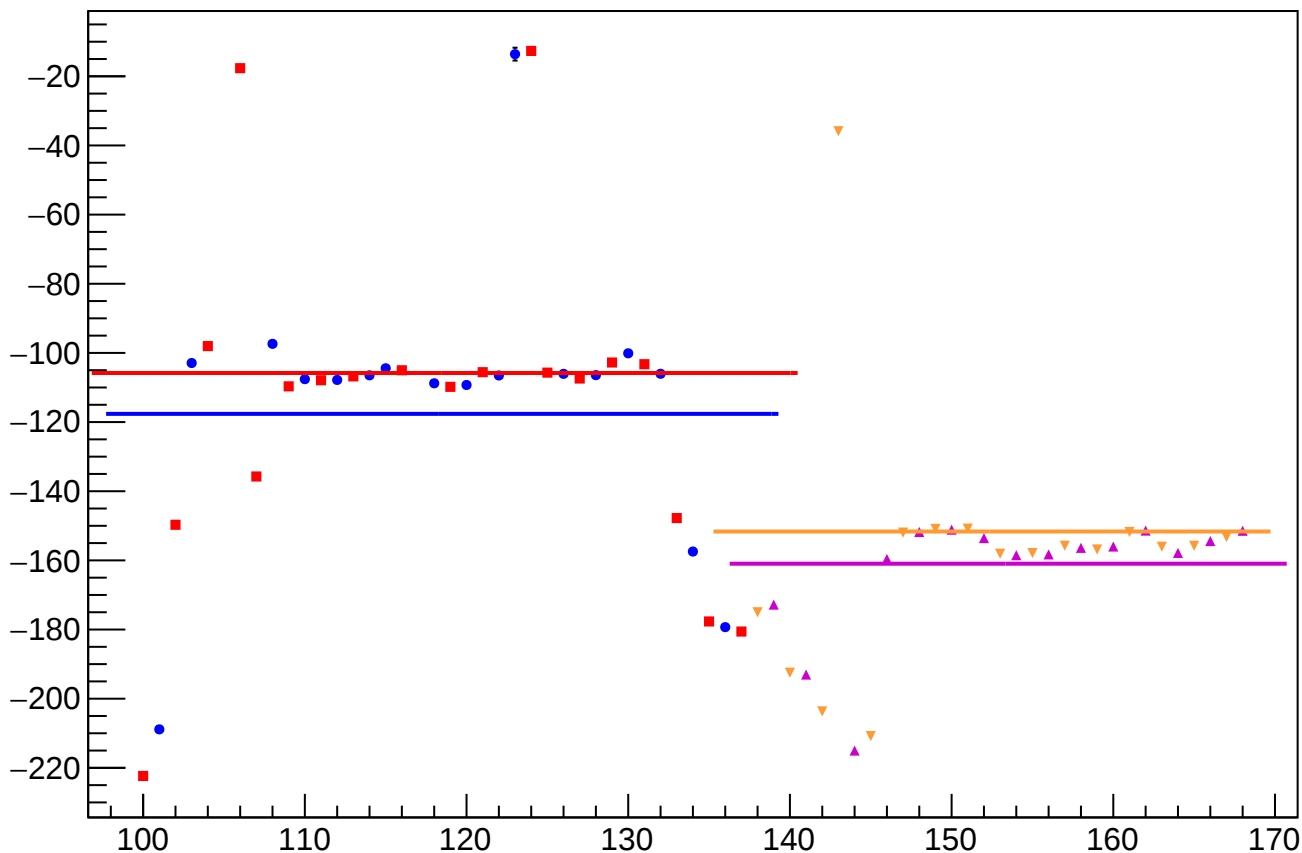
Right: 39.728 $\pm$ 0.886 χ^2 /NDF: 1054.2/35

In: 52.981 $\pm$ 0.913 χ^2 /NDF: 983.4/31

Out: 47.877 $\pm$ 0.873 χ^2 /NDF: 1103.7/34

All: 50.313 $\pm$ 0.631 χ^2 /NDF: 2103.4/66

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -151.648+/-0.061 χ^2/NDF : 403933.7/15

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

Left In: -160.961+/-0.063 χ^2/NDF : 61132.1/14

Left: -156.167+/-0.044 χ^2/NDF : 476479.4/30

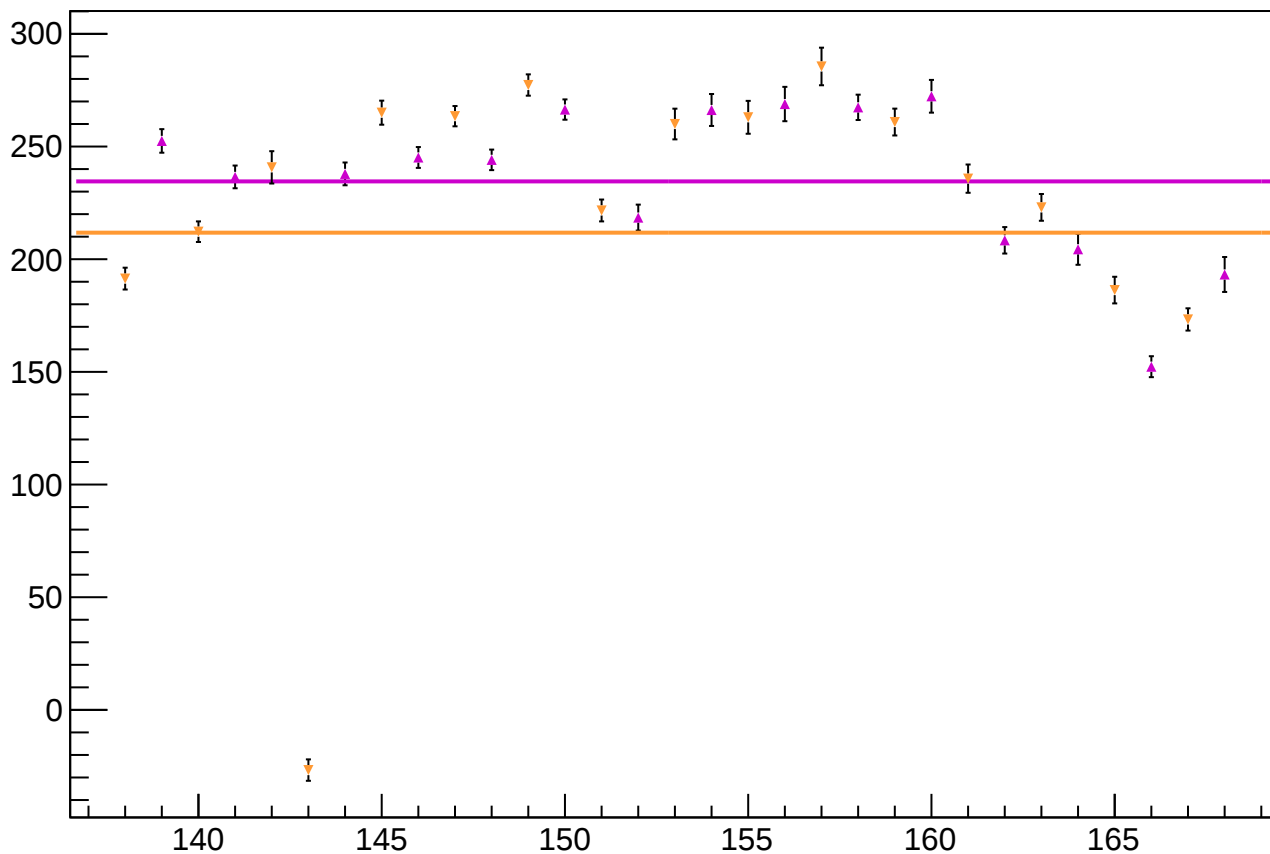
Right: -111.270+/-0.053 χ^2/NDF : 477157.6/35

In: -144.140+/-0.049 χ^2/NDF : 389340.3/31

Out: -132.844+/-0.047 χ^2/NDF : 960807.5/34

All: -138.221+/-0.034 χ^2/NDF : 1378078.6/66

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 211.781+/-1.371 χ^2/NDF :3320.7/15

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

Left In: 234.529+/-1.429 χ^2/NDF :561.5/14

Left: 222.687+/-0.989 χ^2/NDF : 4014.2/30

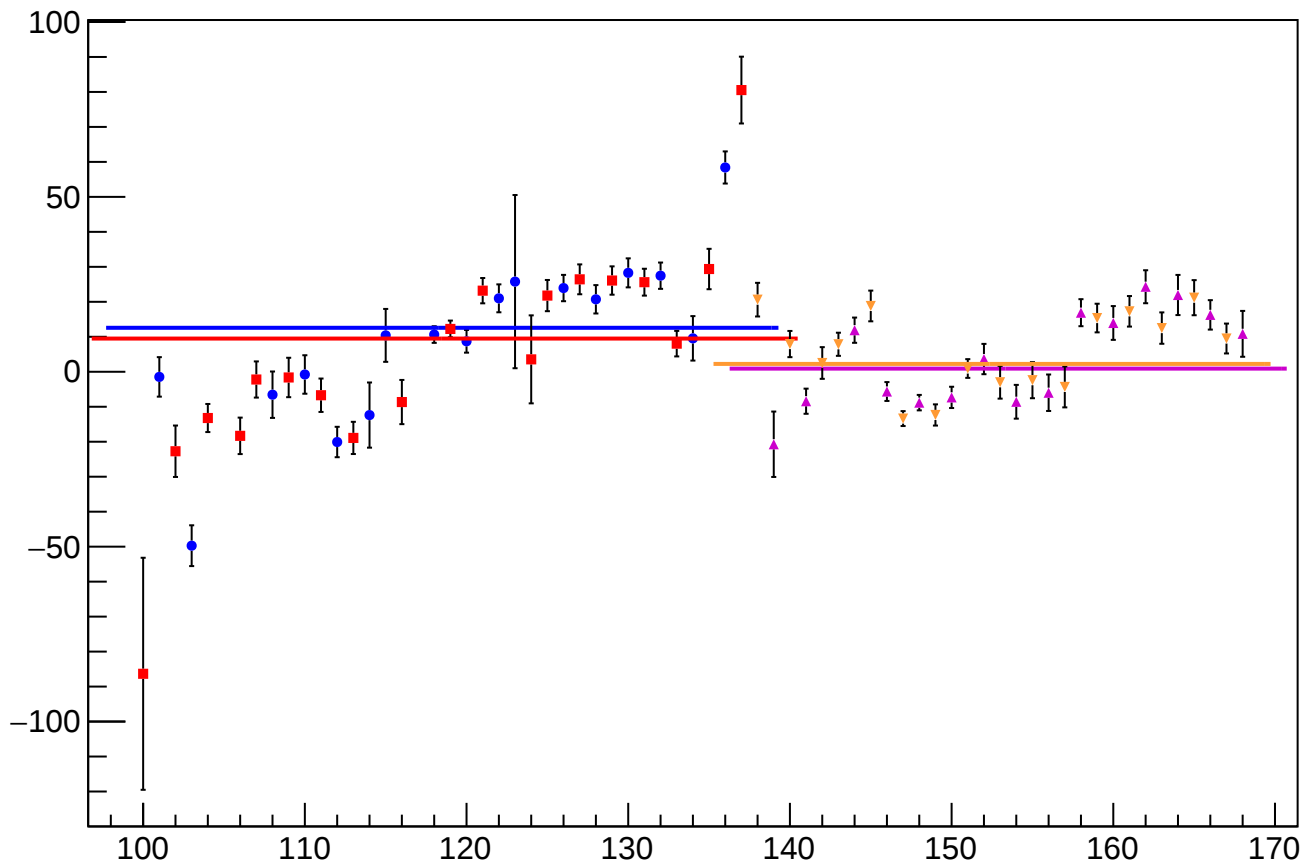
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 234.529+/-1.429 χ^2/NDF :561.5/14

Out: 211.781+/-1.371 χ^2/NDF :3320.7/15

All: 222.687+/-0.989 χ^2/NDF : 4014.2/30

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: 2.245+/-0.935 χ^2/NDF :159.0/15

Right Out: 9.493+/-1.047 χ^2/NDF : 295.8/18

Left In: 0.901+/-0.993 χ^2/NDF :138.1/14

Left: 1.614+/-0.681 χ^2/NDF : 298.0/30

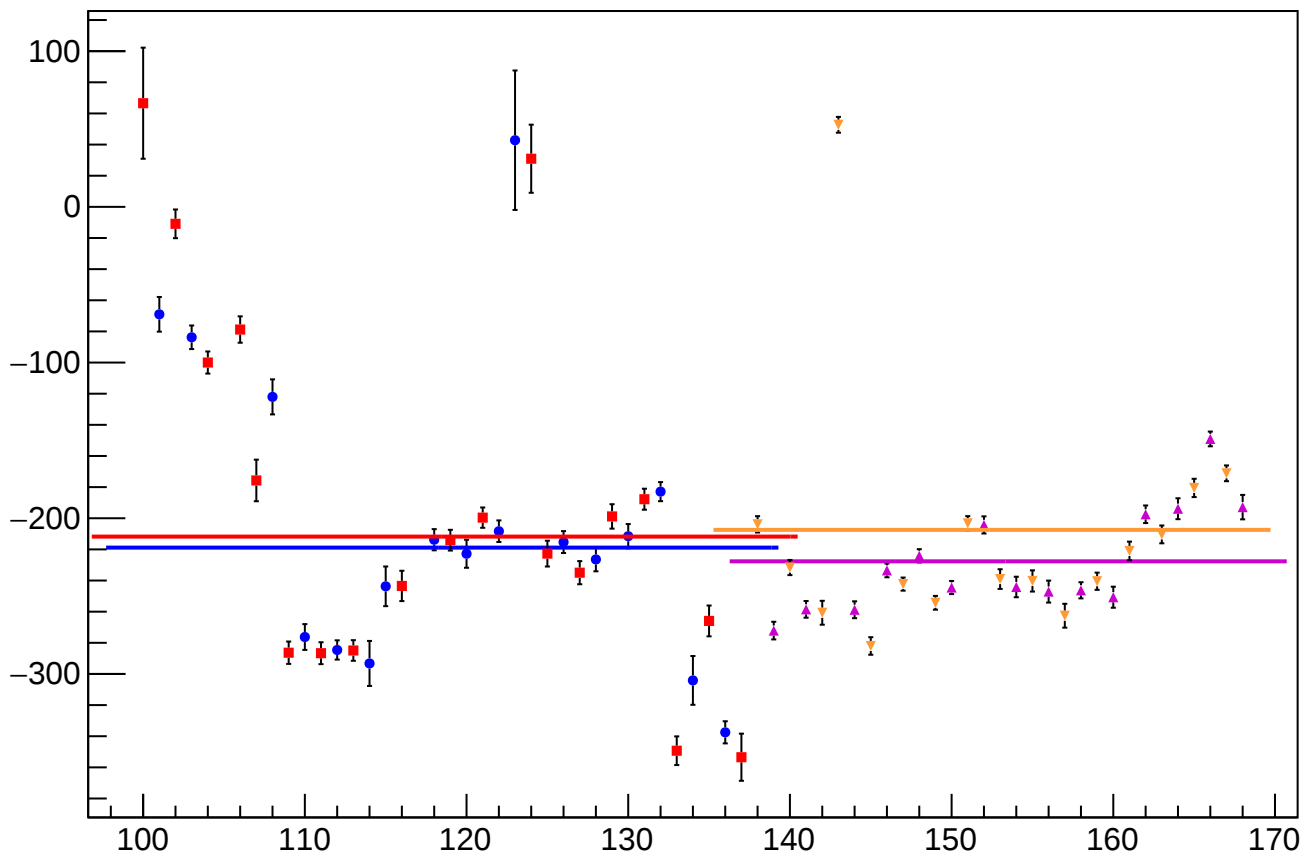
Right: 10.995+/-0.750 χ^2/NDF : 648.0/35

In: 6.281+/-0.729 χ^2/NDF :549.8/31

Out: 5.460+/-0.698 χ^2/NDF :481.4/34

All: 5.852+/-0.504 χ^2/NDF : 1031.8/66

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -207.461 ± 1.357 χ^2/NDF : 3271.2/15

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

Left In: -227.665 ± 1.398 χ^2/NDF : 551.7/14

Left: -217.261 ± 0.974 χ^2/NDF : 3930.4/30

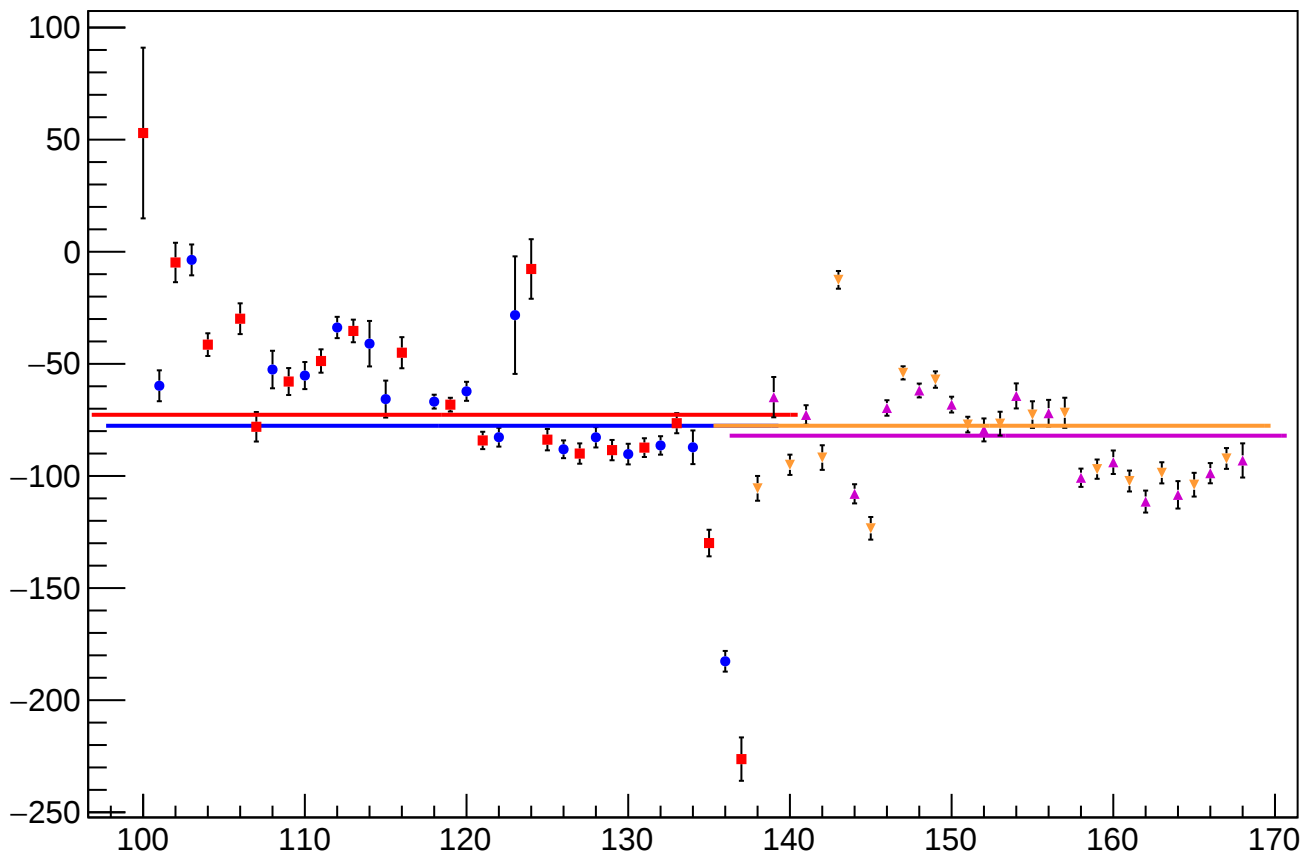
Right: -215.141 ± 1.394 χ^2/NDF : 3038.2/35

In: -224.817 ± 1.150 χ^2/NDF : 1711.1/31

Out: -208.896 ± 1.109 χ^2/NDF : 5159.7/34

All: -216.566 ± 0.798 χ^2/NDF : 6970.1/66

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 ± 1.236 $\chi^2/\text{NDF}: 815.9/16$

Left Out: -77.597 ± 1.115 $\chi^2/\text{NDF}: 600.3/15$

Right Out: -72.710 ± 1.206 $\chi^2/\text{NDF}: 671.4/18$

Left In: -82.034 ± 1.179 $\chi^2/\text{NDF}: 225.7/14$

Left: -79.693 ± 0.810 $\chi^2/\text{NDF}: 833.5/30$

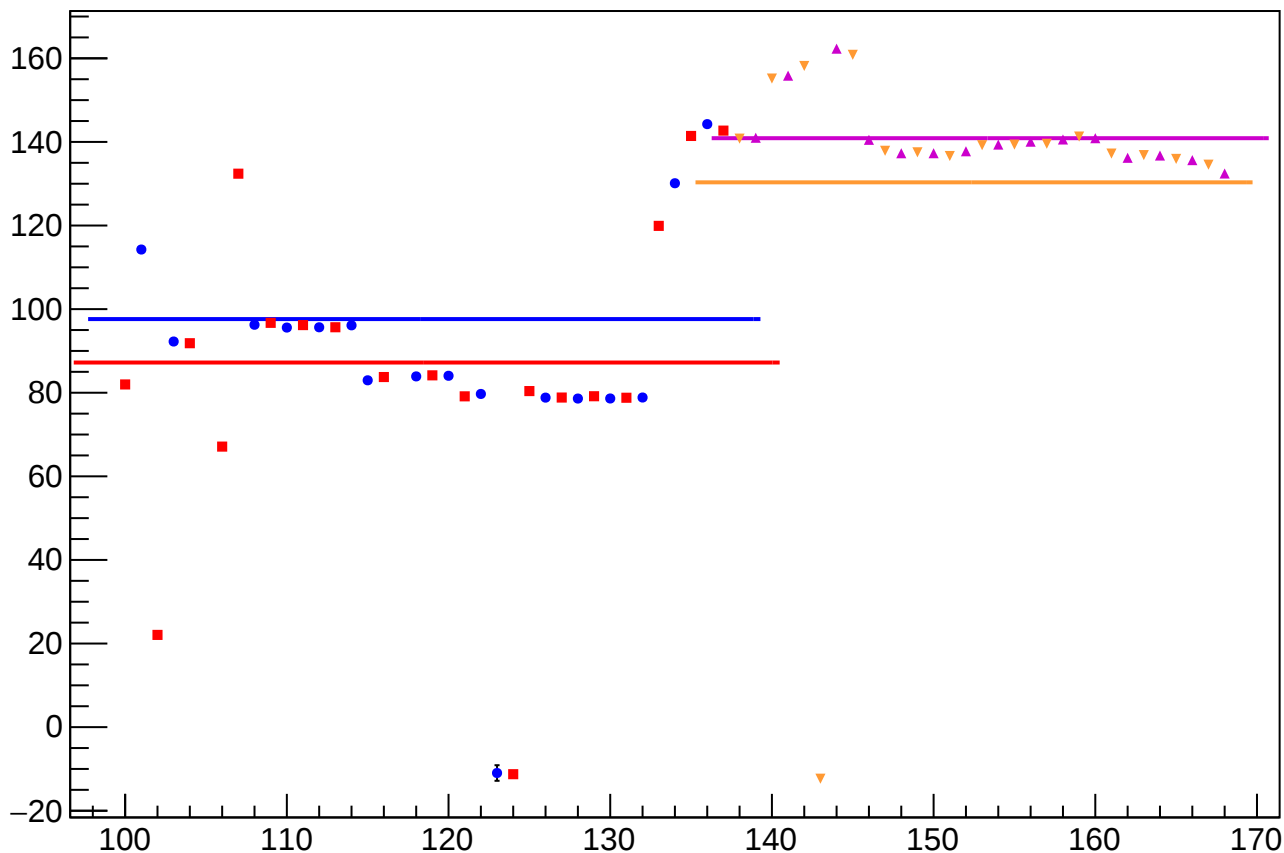
Right: -75.100 ± 0.863 $\chi^2/\text{NDF}: 1495.4/35$

In: -79.928 ± 0.853 $\chi^2/\text{NDF}: 1048.3/31$

Out: -75.345 ± 0.819 $\chi^2/\text{NDF}: 1280.6/34$

All: -77.542 ± 0.591 $\chi^2/\text{NDF}: 2343.9/66$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 130.332+/-0.055 χ^2/NDF : 550599.4/15

Right Out: 87.226+/-0.068 χ^2/NDF : 220850.5/18

Left In: 140.893+/-0.056 χ^2/NDF : 16094.8/14

Left: 135.470+/-0.039 χ^2/NDF : 584925.1/30

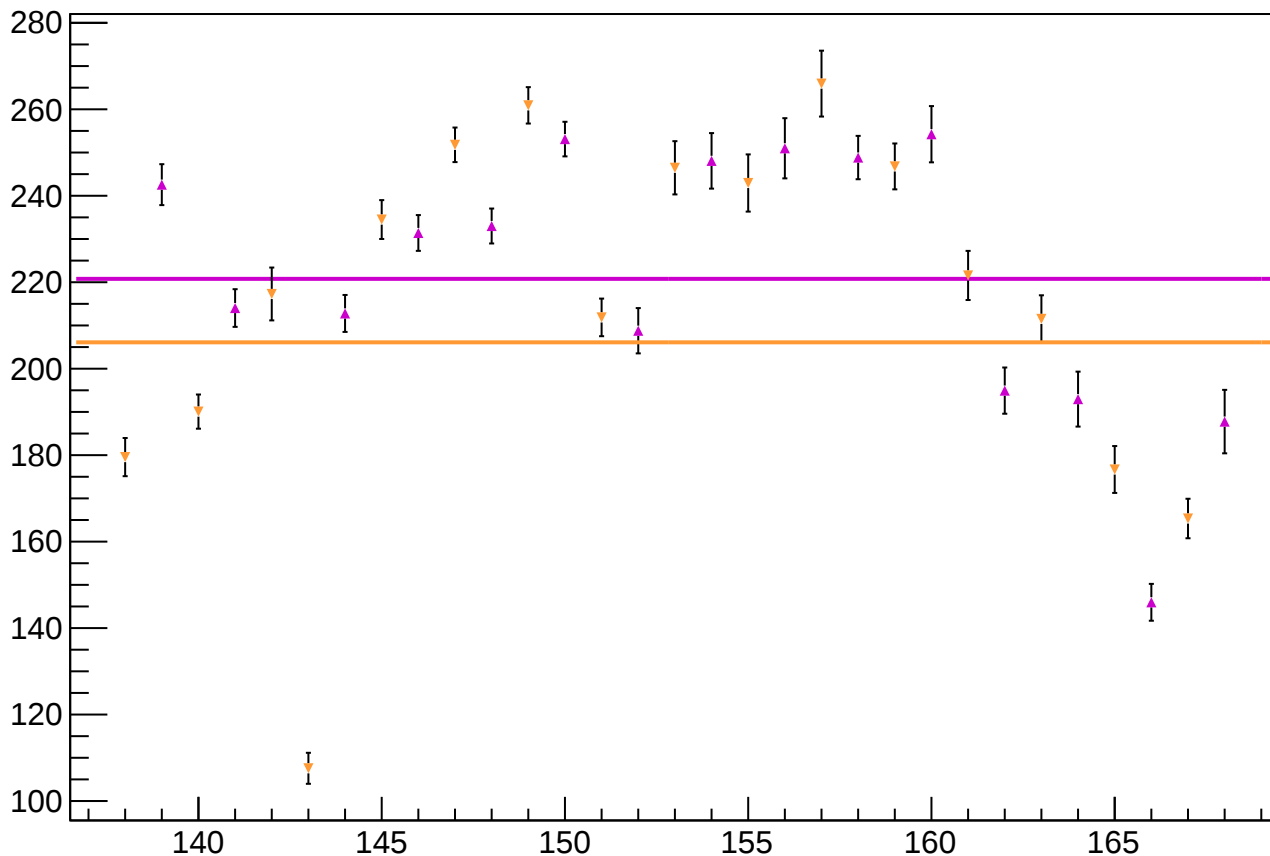
Right: 92.025+/-0.050 χ^2/NDF : 325598.1/35

In: 125.040+/-0.045 χ^2/NDF : 328523.3/31

Out: 113.532+/-0.043 χ^2/NDF : 1014755.8/34

All: 119.023+/-0.031 χ^2/NDF : 1378069.3/66

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 206.099 $\pm$ 1.204 χ^2/NDF :1465.1/15

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

Left In: 220.780 $\pm$ 1.278 χ^2/NDF :578.8/14

Left: 213.003 $\pm$ 0.876 χ^2/NDF : 2113.8/30

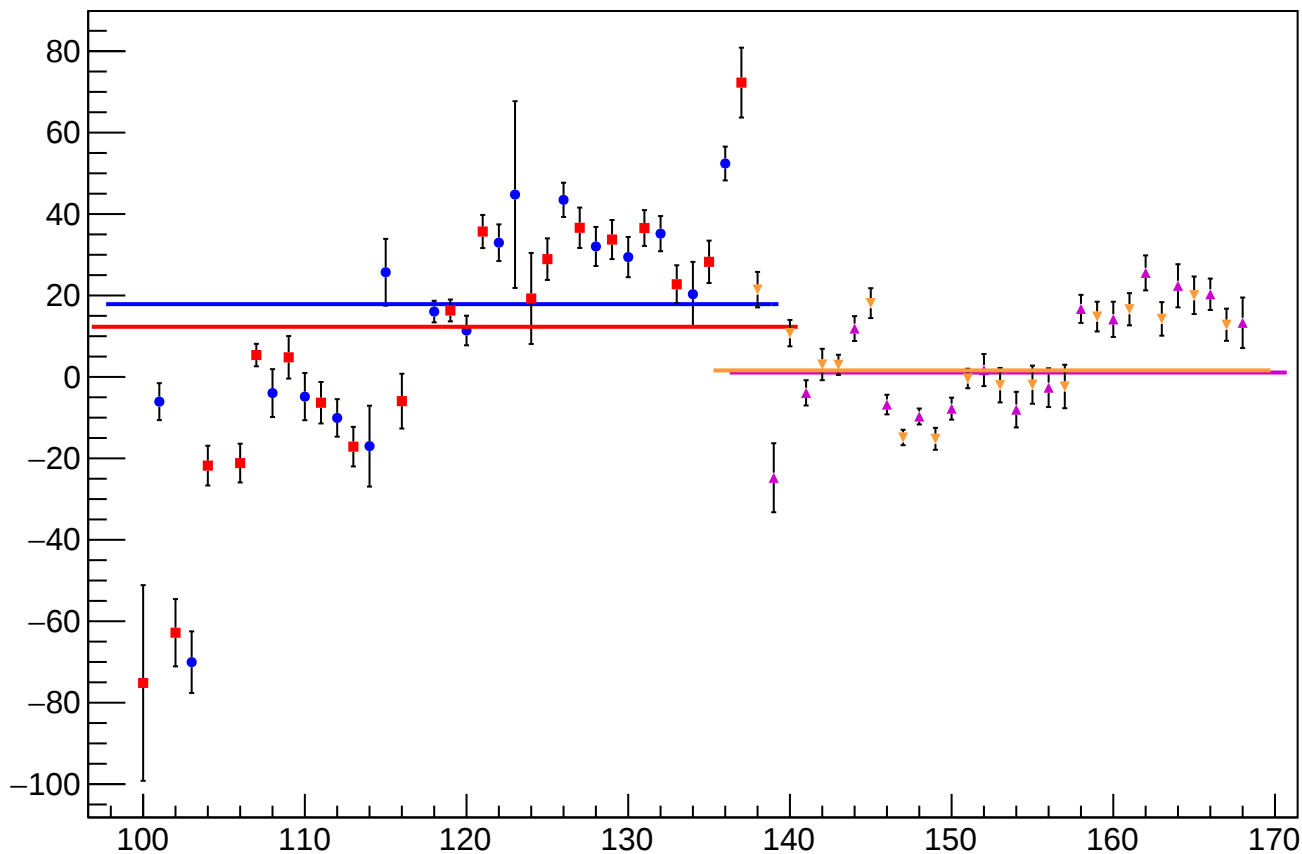
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 220.780 $\pm$ 1.278 χ^2/NDF :578.8/14

Out: 206.099 $\pm$ 1.204 χ^2/NDF :1465.1/15

All: 213.003 $\pm$ 0.876 χ^2/NDF : 2113.8/30

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 ± 1.166 χ^2/NDF : 395.3/16

Left Out: 1.606 ± 0.819 χ^2/NDF : 227.7/15

Right Out: 12.317 ± 1.083 χ^2/NDF : 444.0/18

Left In: 1.084 ± 0.885 χ^2/NDF : 188.3/14

Left: 1.365 ± 0.601 χ^2/NDF : 416.2/30

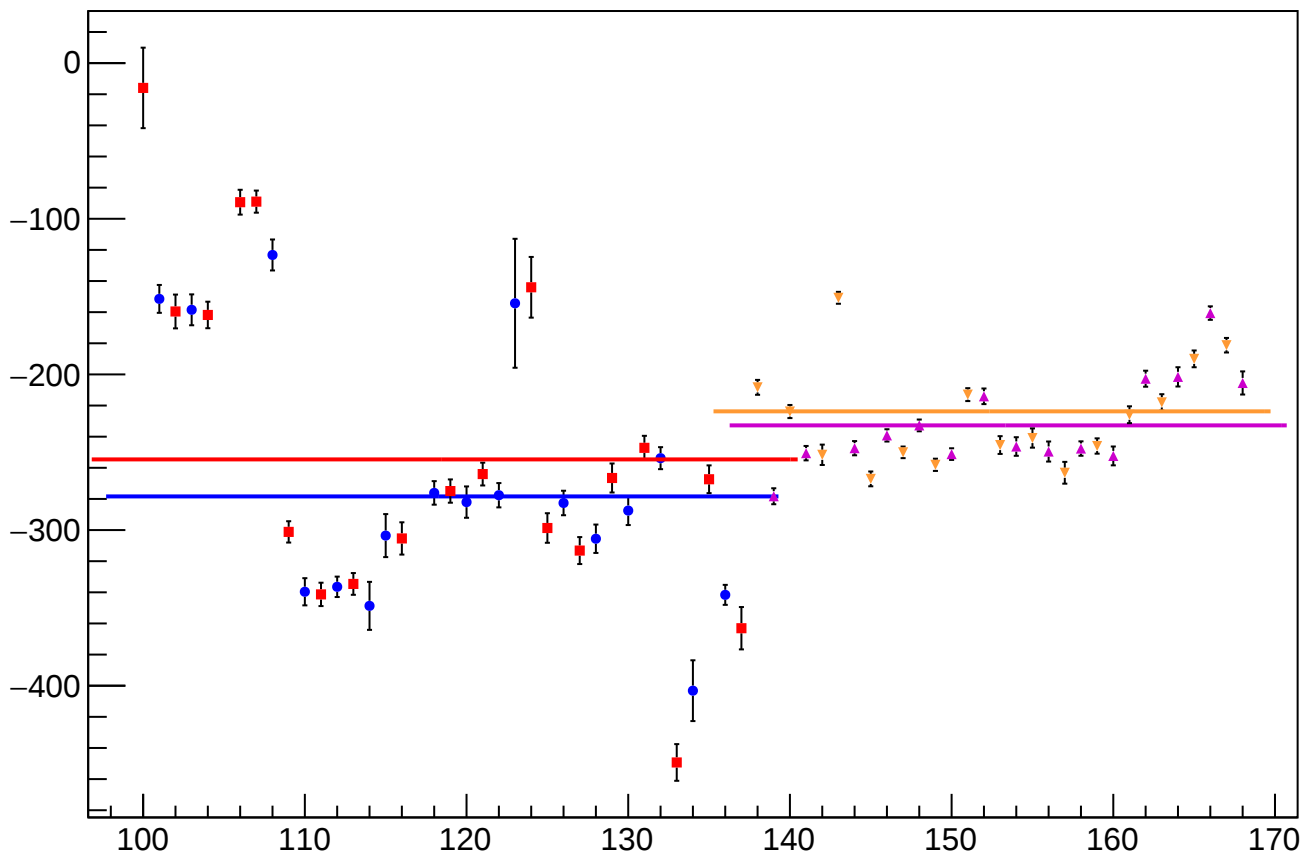
Right: 14.891 ± 0.794 χ^2/NDF : 851.6/35

In: 7.222 ± 0.705 χ^2/NDF : 715.2/31

Out: 5.504 ± 0.654 χ^2/NDF : 733.9/34

All: 6.298 ± 0.479 χ^2/NDF : 1452.3/66

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -223.729 ± 1.196 χ^2/NDF : 805.1/15

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

Left In: -232.742 ± 1.252 χ^2/NDF : 526.4/14

Left: -228.030 ± 0.865 χ^2/NDF : 1358.7/30

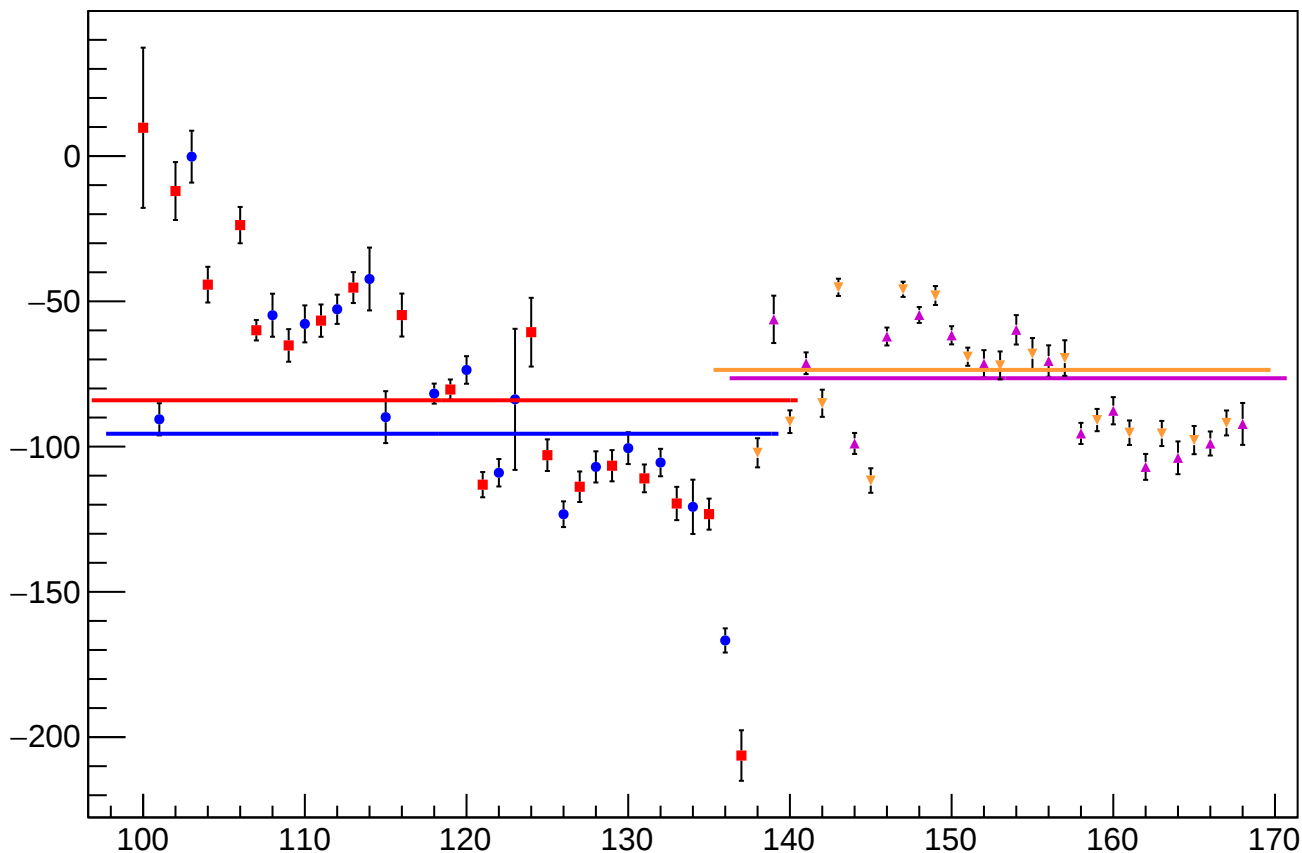
Right: -265.560 ± 1.483 χ^2/NDF : 3011.9/35

In: -244.019 ± 1.086 χ^2/NDF : 1765.5/31

Out: -231.742 ± 1.029 χ^2/NDF : 3015.6/34

All: -237.550 ± 0.747 χ^2/NDF : 4848.5/66

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -73.597 ± 0.979 χ^2/NDF : 525.5/15

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

Left In: -76.470 ± 1.052 χ^2/NDF : 304.6/14

Left: -74.930 ± 0.717 χ^2/NDF : 834.1/30

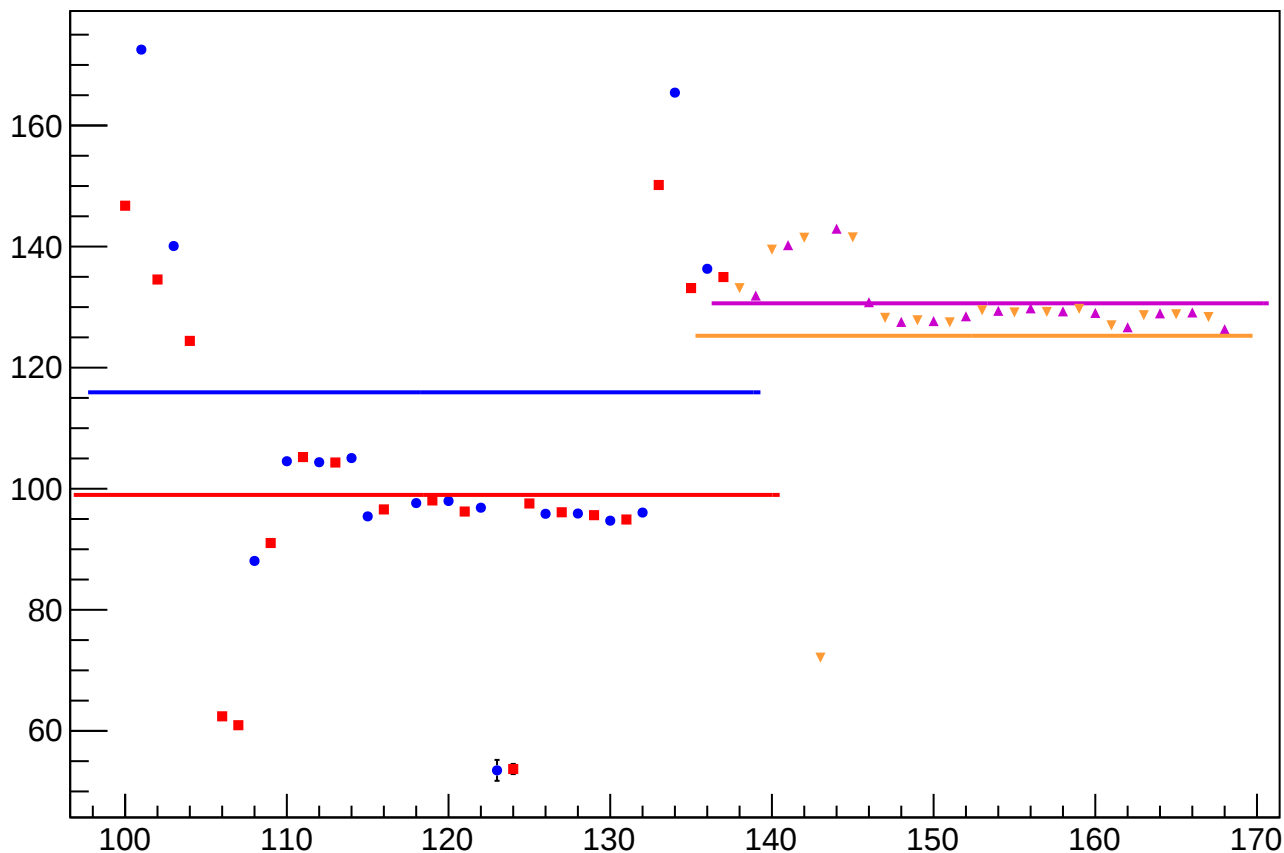
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -83.754 ± 0.828 χ^2/NDF : 1101.6/31

Out: -77.550 ± 0.772 χ^2/NDF : 1351.9/34

All: -80.438 ± 0.565 χ^2/NDF : 2483.5/66

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: 125.268 $\pm$ 0.048 χ^2 /NDF:142322.1/15

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

Left In: 130.627 $\pm$ 0.050 χ^2 /NDF:8173.5/14

Left: 127.833 $\pm$ 0.035 χ^2 /NDF: 156426.1/30

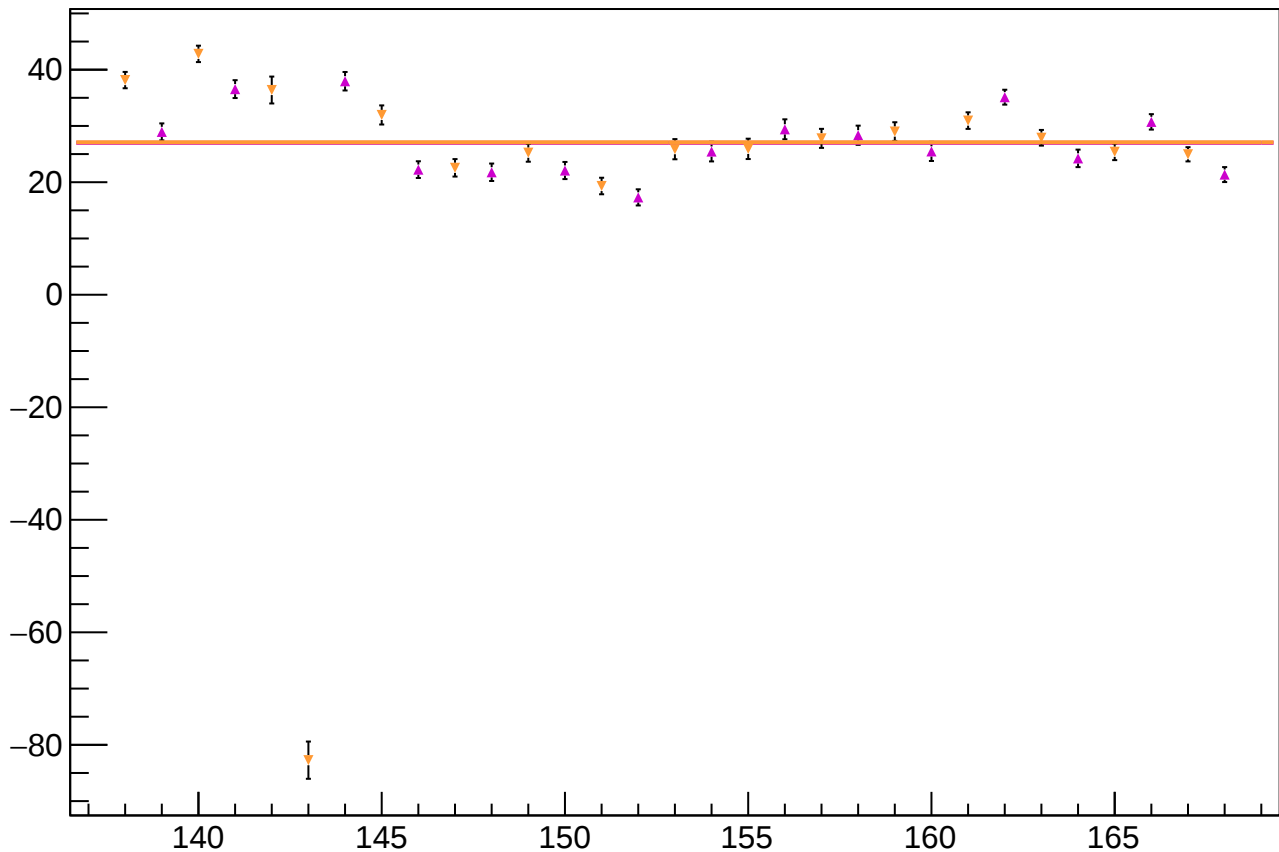
Right: 106.321 $\pm$ 0.052 χ^2 /NDF: 305233.1/35

In: 126.348 $\pm$ 0.042 χ^2 /NDF:138873.6/31

Out: 116.583 $\pm$ 0.039 χ^2 /NDF:413756.9/34

All: 121.118 $\pm$ 0.029 χ^2 /NDF: 581159.1/66

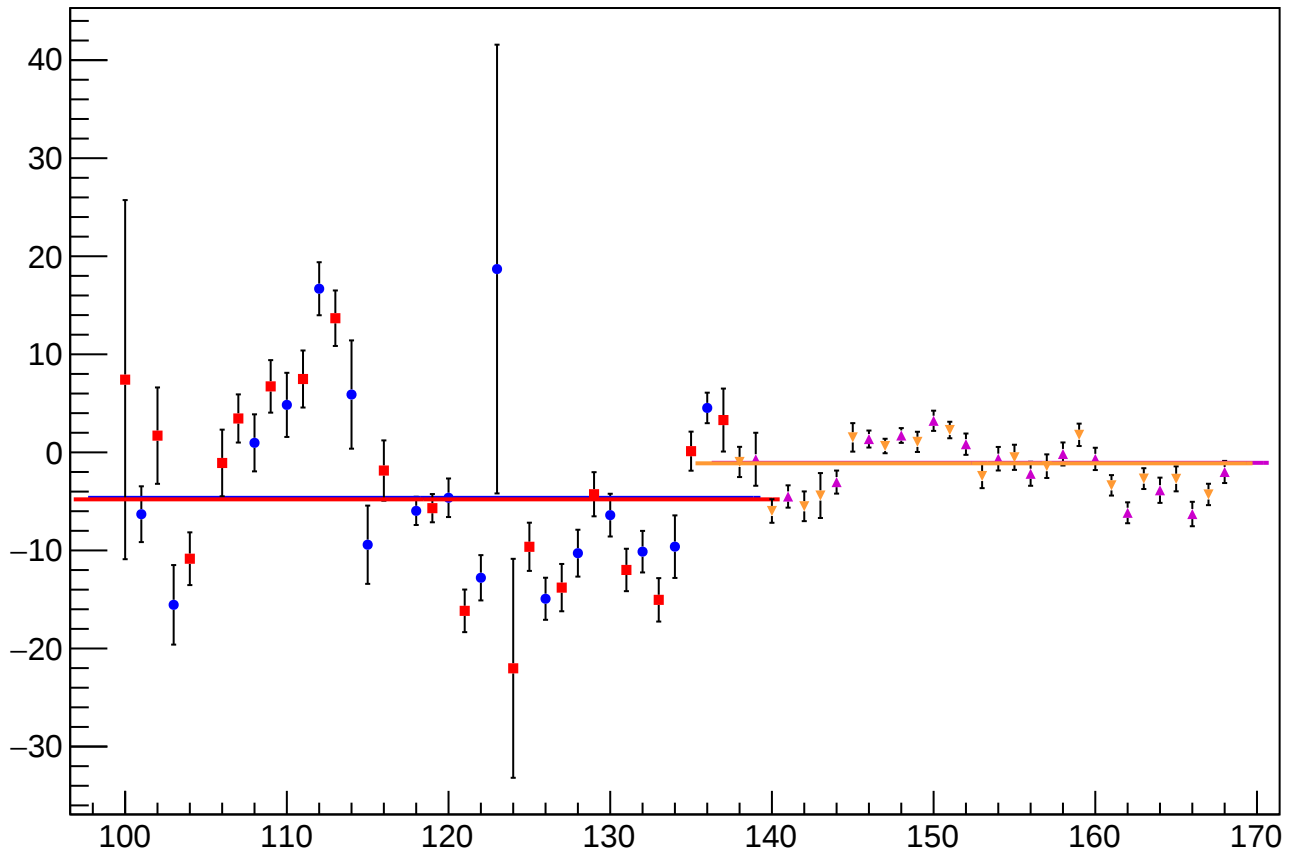
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 27.096 $\pm$ 0.401 χ^2 /NDF:1349.2/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 27.001 $\pm$ 0.395 χ^2 /NDF:230.0/14

Left: 27.048 $\pm$ 0.282 χ^2 /NDF: 1579.2/30
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 27.001 $\pm$ 0.395 χ^2 /NDF:230.0/14
 Out: 27.096 $\pm$ 0.401 χ^2 /NDF:1349.2/15
 All: 27.048 $\pm$ 0.282 χ^2 /NDF: 1579.2/30

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -1.116 ± 0.284 χ^2/NDF : 81.3/15

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

Left In: -1.066 ± 0.285 χ^2/NDF : 101.3/14

Left: -1.091 ± 0.201 χ^2/NDF : 182.6/30

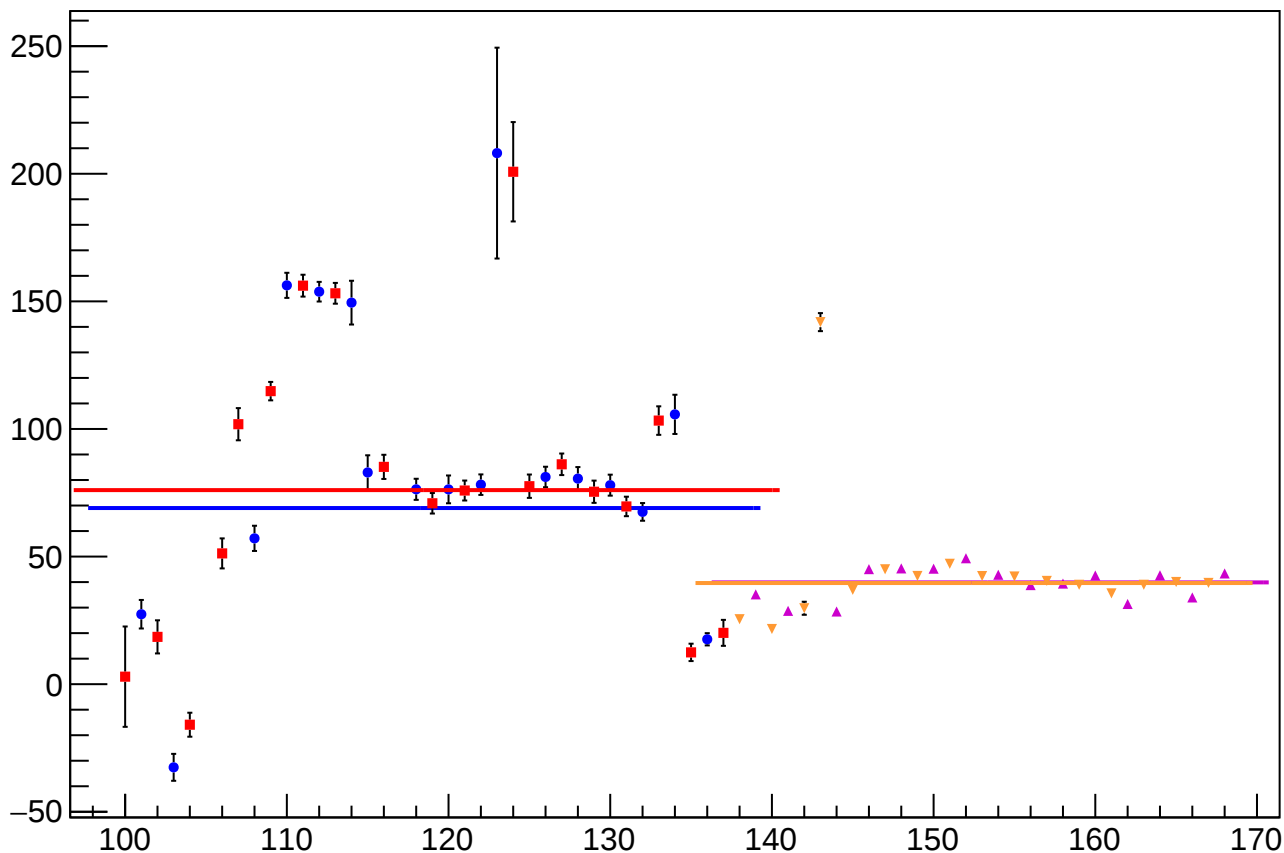
Right: -4.714 ± 0.414 χ^2/NDF : 367.0/35

In: -1.747 ± 0.257 χ^2/NDF : 305.6/31

Out: -1.818 ± 0.256 χ^2/NDF : 305.8/34

All: -1.783 ± 0.181 χ^2/NDF : 611.4/66

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019 ± 1.083 $\chi^2/NDF: 1848.0/16$

Left Out: 39.633 ± 0.394 $\chi^2/NDF: 1129.5/15$

Right Out: 76.041 ± 1.070 $\chi^2/NDF: 1881.9/18$

Left In: 39.885 ± 0.386 $\chi^2/NDF: 261.7/14$

Left: 39.762 ± 0.276 $\chi^2/NDF: 1391.4/30$

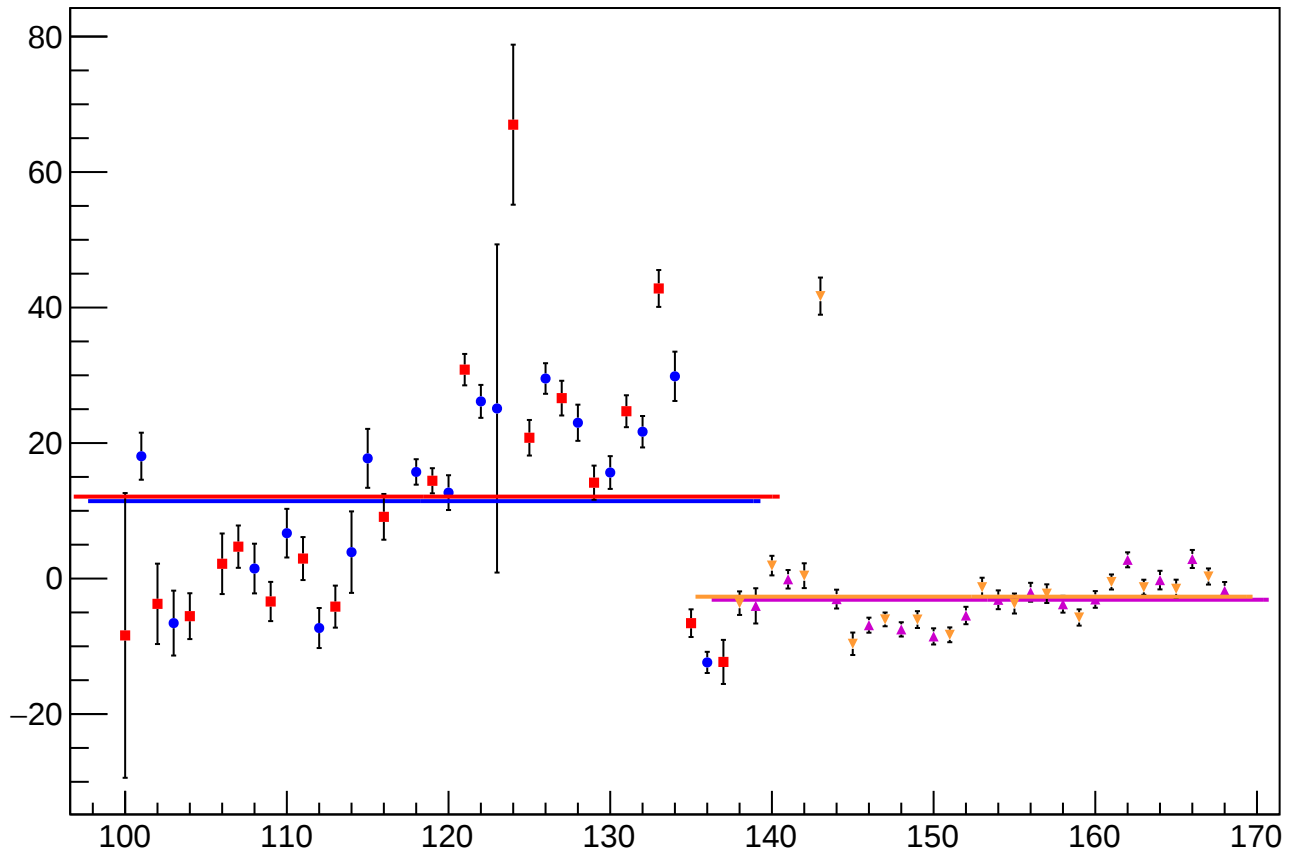
Right: 72.574 ± 0.761 $\chi^2/NDF: 3751.2/35$

In: 43.171 ± 0.364 $\chi^2/NDF: 2751.3/31$

Out: 43.973 ± 0.369 $\chi^2/NDF: 4031.4/34$

All: 43.566 ± 0.259 $\chi^2/NDF: 6785.1/66$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 $\chi^2/\text{NDF}: 476.8/16$

Left Out: -2.675 ± 0.331 $\chi^2/\text{NDF}: 357.6/15$

Right Out: 12.095 ± 0.664 $\chi^2/\text{NDF}: 539.1/18$

Left In: -3.125 ± 0.332 $\chi^2/\text{NDF}: 112.6/14$

Left: -2.899 ± 0.235 $\chi^2/\text{NDF}: 471.1/30$

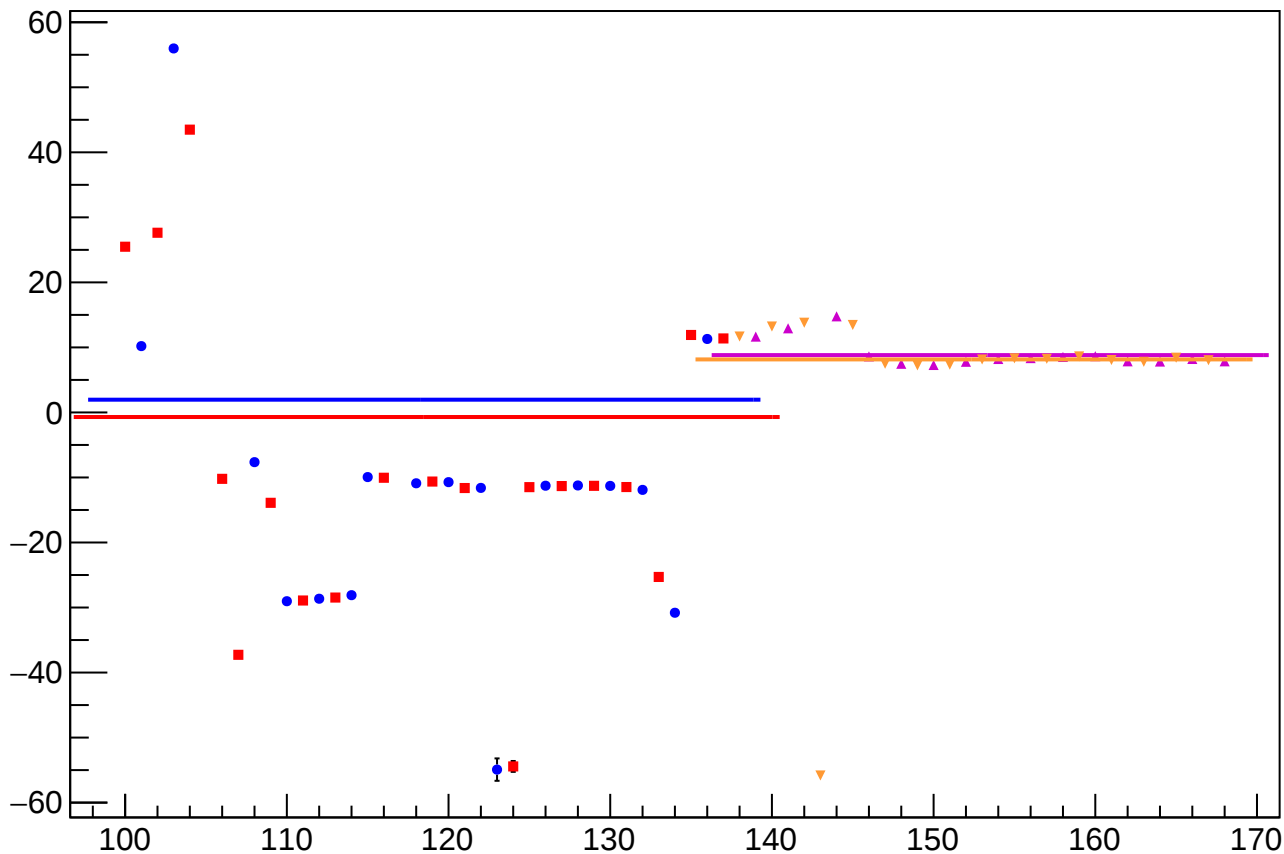
Right: 11.762 ± 0.470 $\chi^2/\text{NDF}: 1016.4/35$

In: -0.221 ± 0.297 $\chi^2/\text{NDF}: 972.1/31$

Out: 0.268 ± 0.296 $\chi^2/\text{NDF}: 1293.0/34$

All: 0.024 ± 0.210 $\chi^2/\text{NDF}: 2266.5/66$

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 $\pm$ 0.037 χ^2/NDF : 358457.0/16

Left Out: 8.153 $\pm$ 0.015 χ^2/NDF :222585.9/15

Right Out: -0.704 $\pm$ 0.037 χ^2/NDF : 361168.6/18

Left In: 8.817 $\pm$ 0.015 χ^2/NDF :14854.4/14

Left: 8.491 $\pm$ 0.011 χ^2/NDF : 238375.8/30

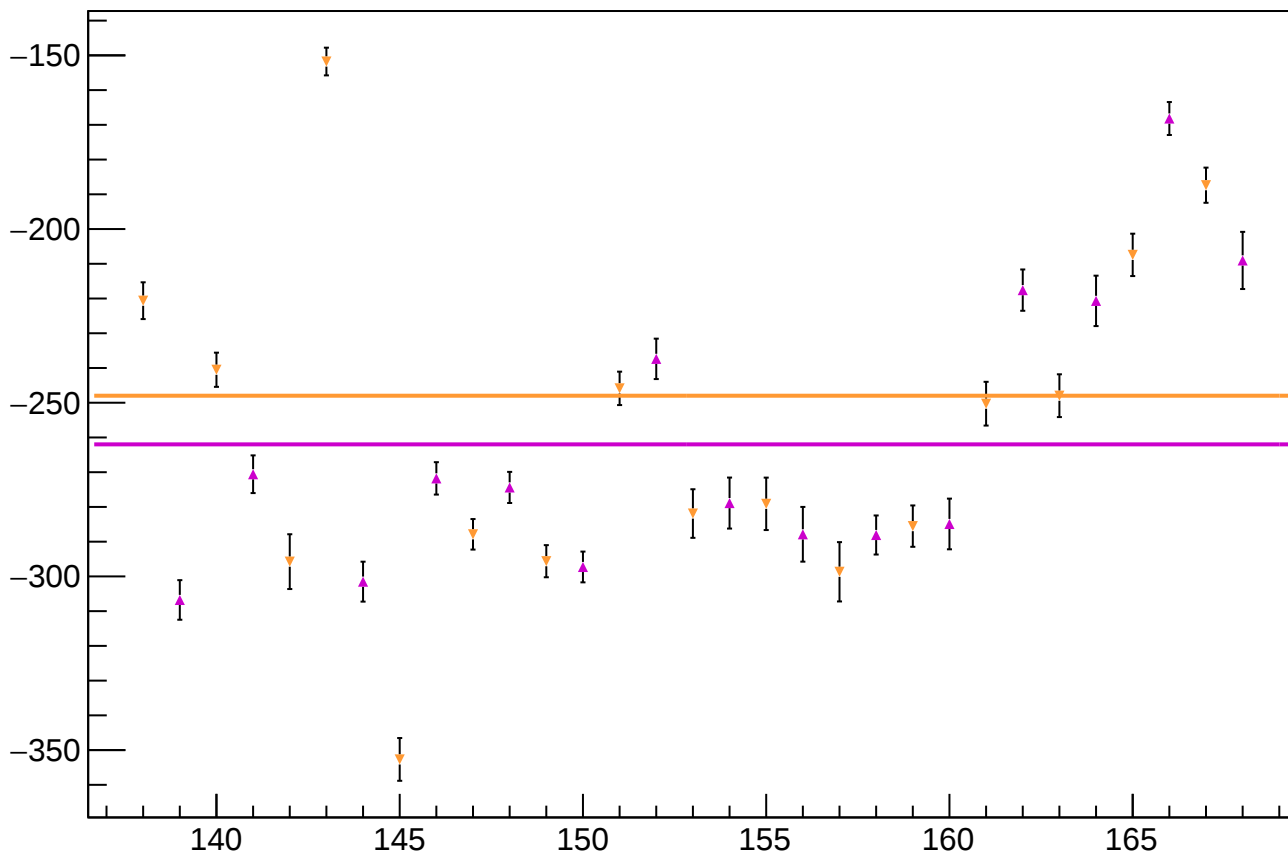
Right: 0.627 $\pm$ 0.026 χ^2/NDF : 722198.2/35

In: 7.834 $\pm$ 0.014 χ^2/NDF :402495.1/31

Out: 6.842 $\pm$ 0.014 χ^2/NDF :632256.1/34

All: 7.345 $\pm$ 0.010 χ^2/NDF : 1037198.4/66

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: -247.981 ± 1.385 $\chi^2/\text{NDF}: 1428.4/15$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -261.988 ± 1.470 $\chi^2/\text{NDF}: 773.3/14$

Left: -254.568 ± 1.008 $\chi^2/\text{NDF}: 2249.9/30$

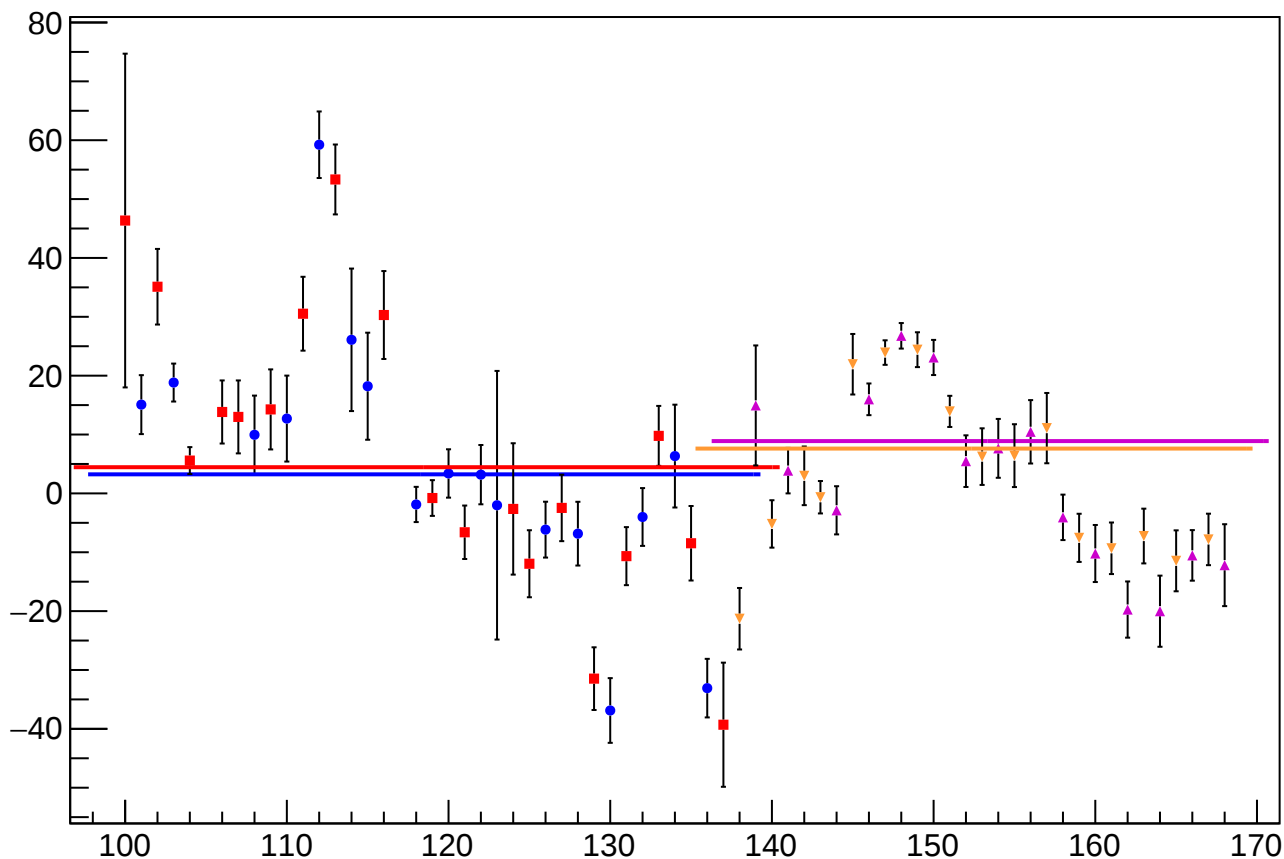
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -261.988 ± 1.470 $\chi^2/\text{NDF}: 773.3/14$

Out: -247.981 ± 1.385 $\chi^2/\text{NDF}: 1428.4/15$

All: -254.568 ± 1.008 $\chi^2/\text{NDF}: 2249.9/30$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 $\chi^2/\text{NDF}: 255.3/16$

Left Out: 7.614 ± 0.932 $\chi^2/\text{NDF}: 223.0/15$

Right Out: 4.450 ± 1.157 $\chi^2/\text{NDF}: 225.8/18$

Left In: 8.886 ± 1.010 $\chi^2/\text{NDF}: 223.8/14$

Left: 8.200 ± 0.685 $\chi^2/\text{NDF}: 447.7/30$

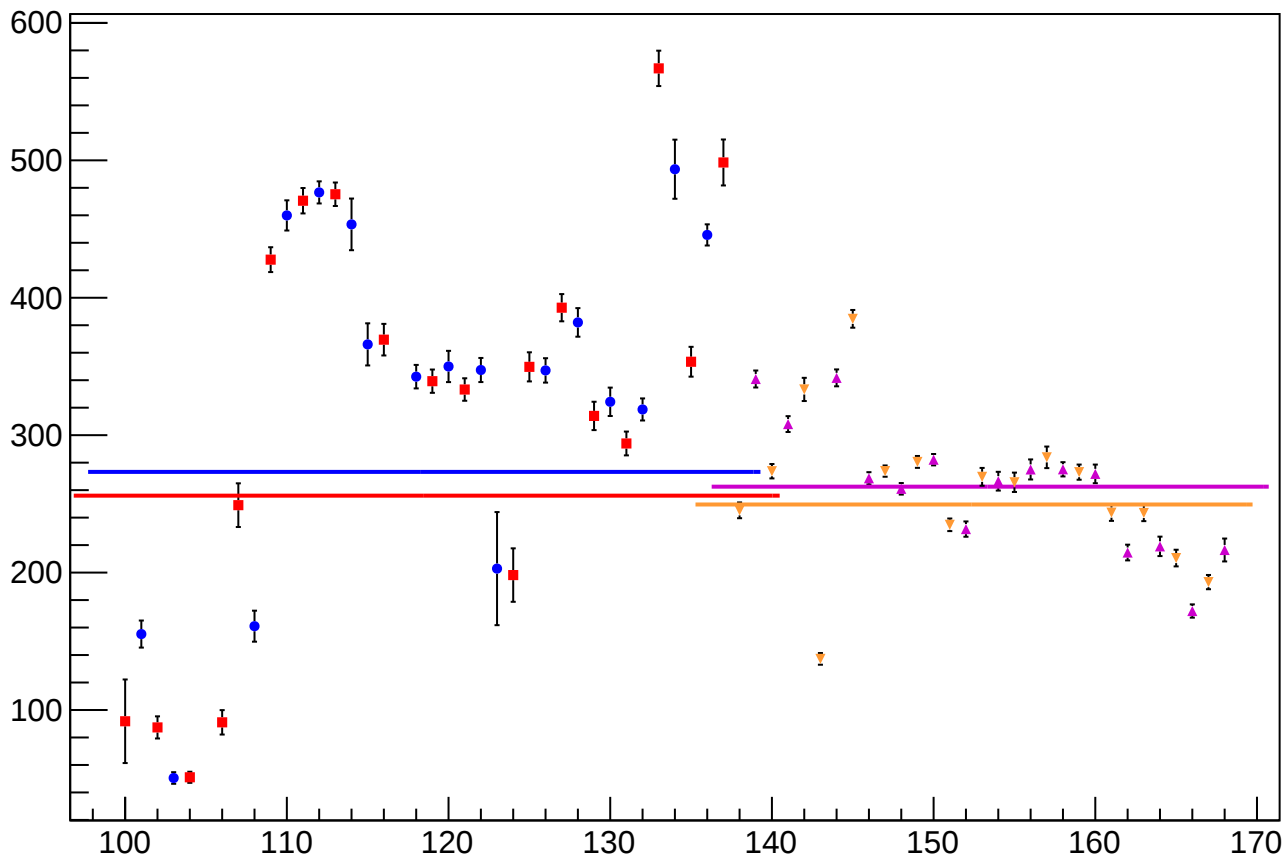
Right: 3.887 ± 0.847 $\chi^2/\text{NDF}: 481.6/35$

In: 6.642 ± 0.784 $\chi^2/\text{NDF}: 491.5/31$

Out: 6.368 ± 0.726 $\chi^2/\text{NDF}: 453.3/34$

All: 6.495 ± 0.533 $\chi^2/\text{NDF}: 944.9/66$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2/NDF : 5101.5/16

Left Out: 249.551 $\pm$ 1.368 χ^2/NDF :1565.4/15

Right Out: 255.985 $\pm$ 2.080 χ^2/NDF : 6438.4/18

Left In: 262.525 $\pm$ 1.433 χ^2/NDF :944.5/14

Left: 255.741 $\pm$ 0.990 χ^2/NDF : 2552.8/30

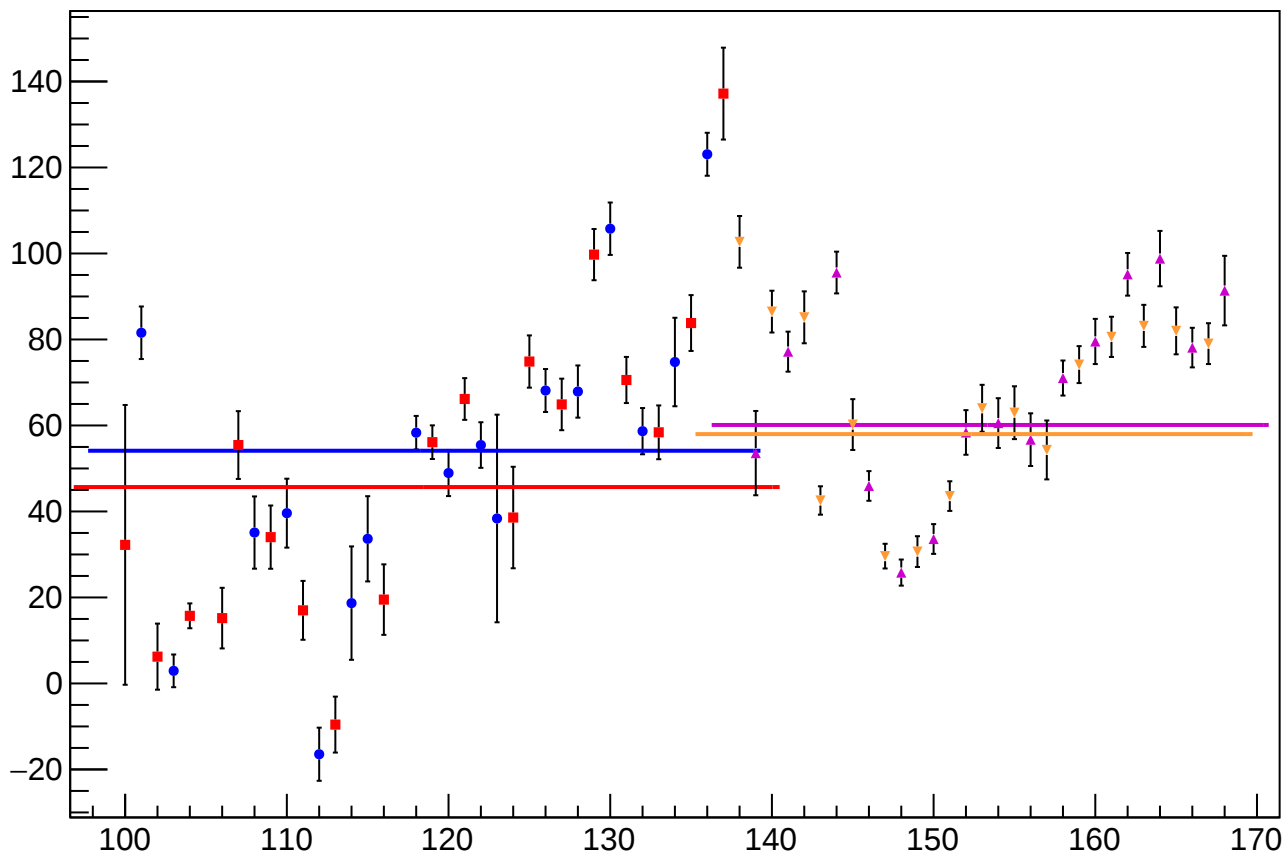
Right: 264.127 $\pm$ 1.513 χ^2/NDF : 11572.5/35

In: 265.717 $\pm$ 1.201 χ^2/NDF :6062.7/31

Out: 251.495 $\pm$ 1.143 χ^2/NDF :8010.6/34

All: 258.254 $\pm$ 0.828 χ^2/NDF : 14146.8/66

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 57.991+/-1.116 χ^2/NDF : 410.5/15

Right Out: 45.675+/-1.357 χ^2/NDF : 531.0/18

Left In: 60.117+/-1.202 χ^2/NDF : 408.0/14

Left: 58.975+/-0.818 χ^2/NDF : 820.2/30

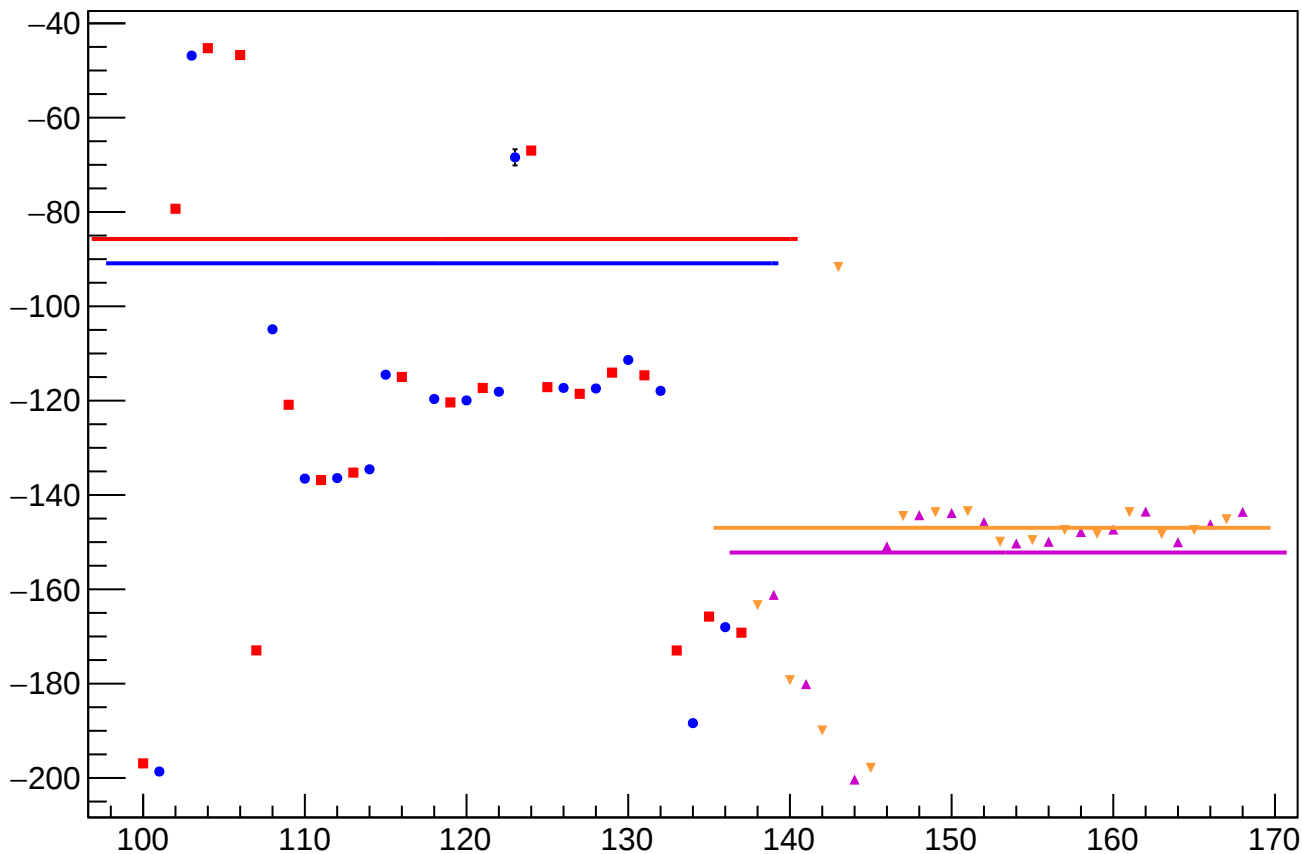
Right: 49.654+/-0.987 χ^2/NDF : 1183.2/35

In: 57.649+/-0.922 χ^2/NDF : 1052.2/31

Out: 53.020+/-0.862 χ^2/NDF : 990.6/34

All: 55.179+/-0.630 χ^2/NDF : 2056.2/66

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -146.962 ± 0.055 $\chi^2/\text{NDF}: 187152.5/15$

Right Out: -85.722 ± 0.065 $\chi^2/\text{NDF}: 494183.1/18$

Left In: -152.200 ± 0.058 $\chi^2/\text{NDF}: 57104.4/14$

Left: -149.471 ± 0.040 $\chi^2/\text{NDF}: 248575.9/30$

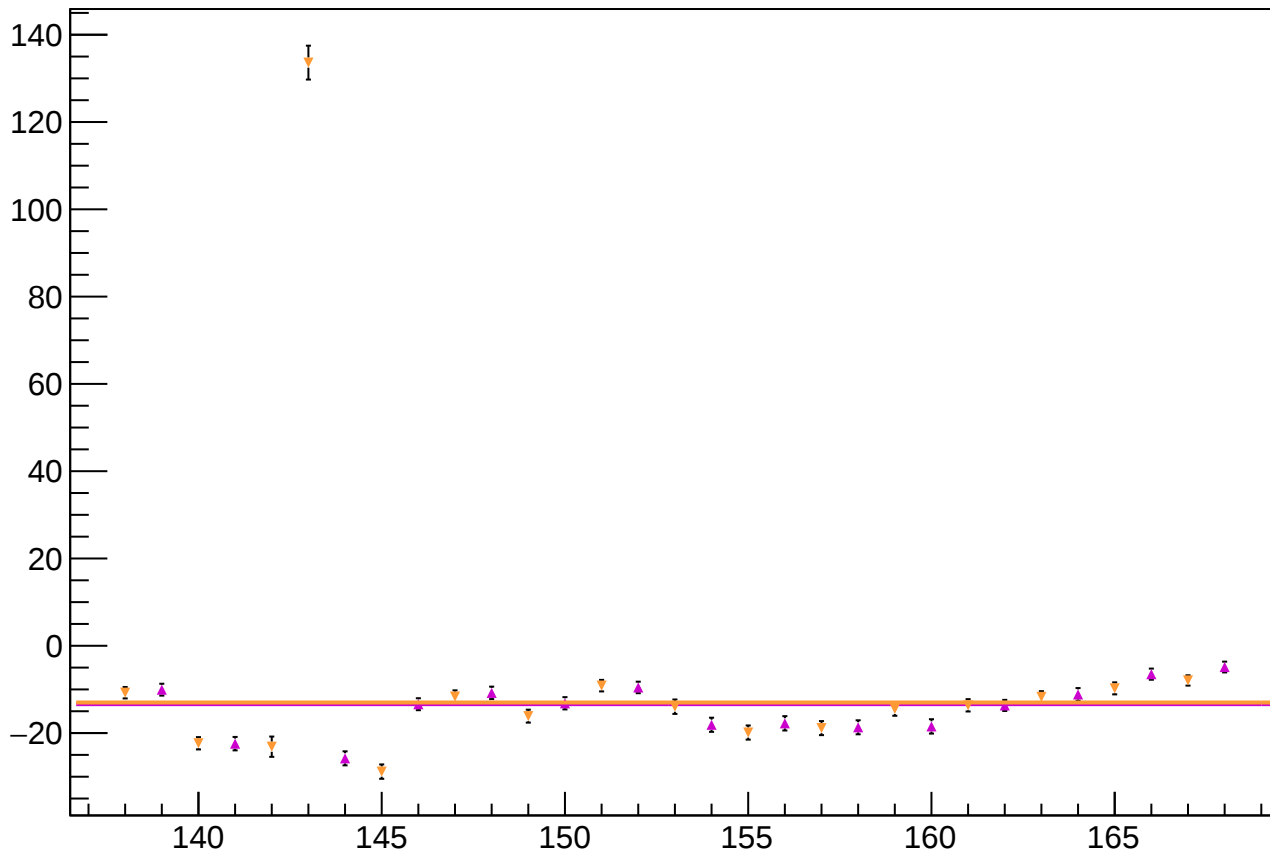
Right: -88.197 ± 0.047 $\chi^2/\text{NDF}: 1030623.7/35$

In: -126.514 ± 0.044 $\chi^2/\text{NDF}: 1066504.1/31$

Out: -121.351 ± 0.042 $\chi^2/\text{NDF}: 1196727.8/34$

All: -123.826 ± 0.030 $\chi^2/\text{NDF}: 2270449.5/66$

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: -12.994+/-0.376 χ^2/NDF :1656.5/15

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

Left In: -13.374+/-0.370 χ^2/NDF :226.6/14

Left: -13.187+/-0.264 χ^2/NDF : 1883.6/30

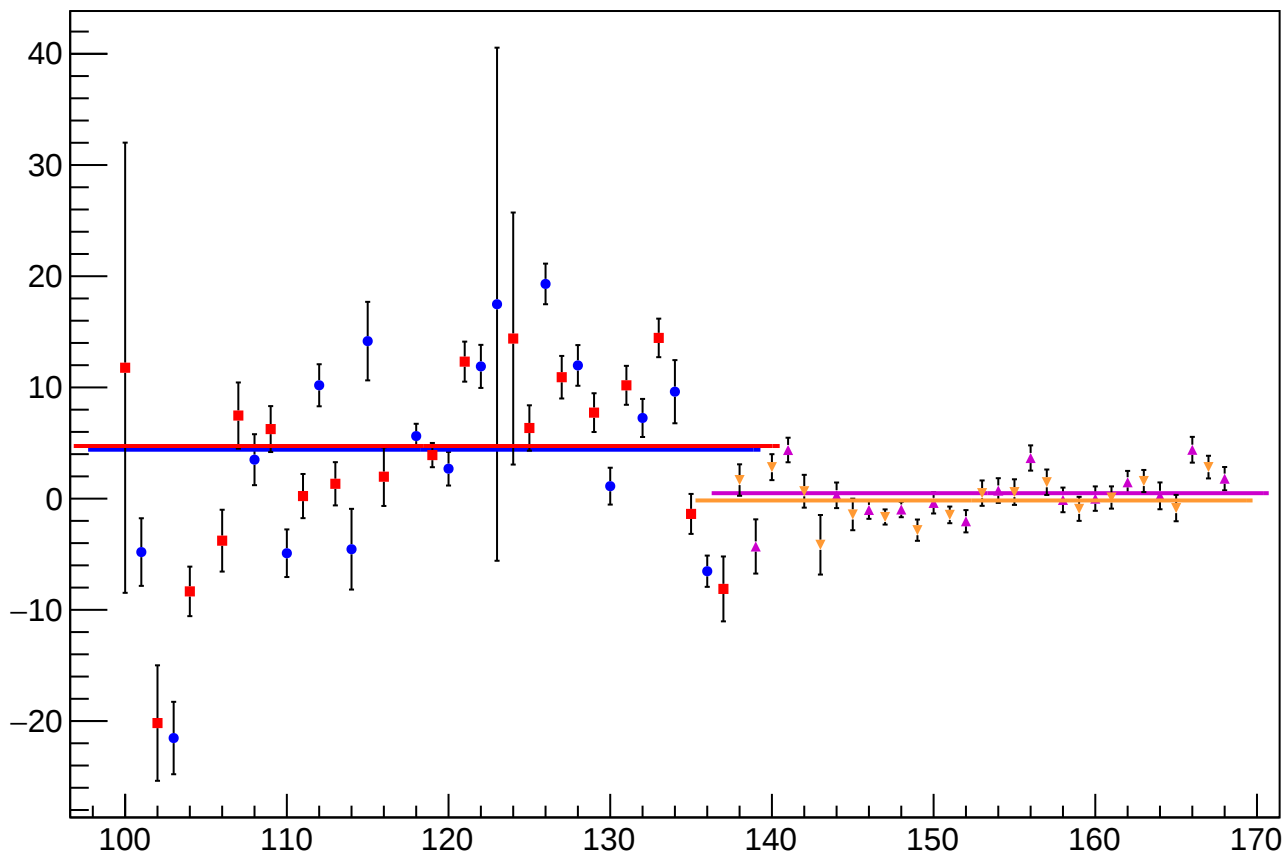
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -13.374+/-0.370 χ^2/NDF :226.6/14

Out: -12.994+/-0.376 χ^2/NDF :1656.5/15

All: -13.187+/-0.264 χ^2/NDF : 1883.6/30

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: -0.164 ± 0.265 χ^2/NDF : 42.6/15

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

Left In: 0.490 ± 0.267 χ^2/NDF : 53.6/14

Left: 0.161 ± 0.188 χ^2/NDF : 99.2/30

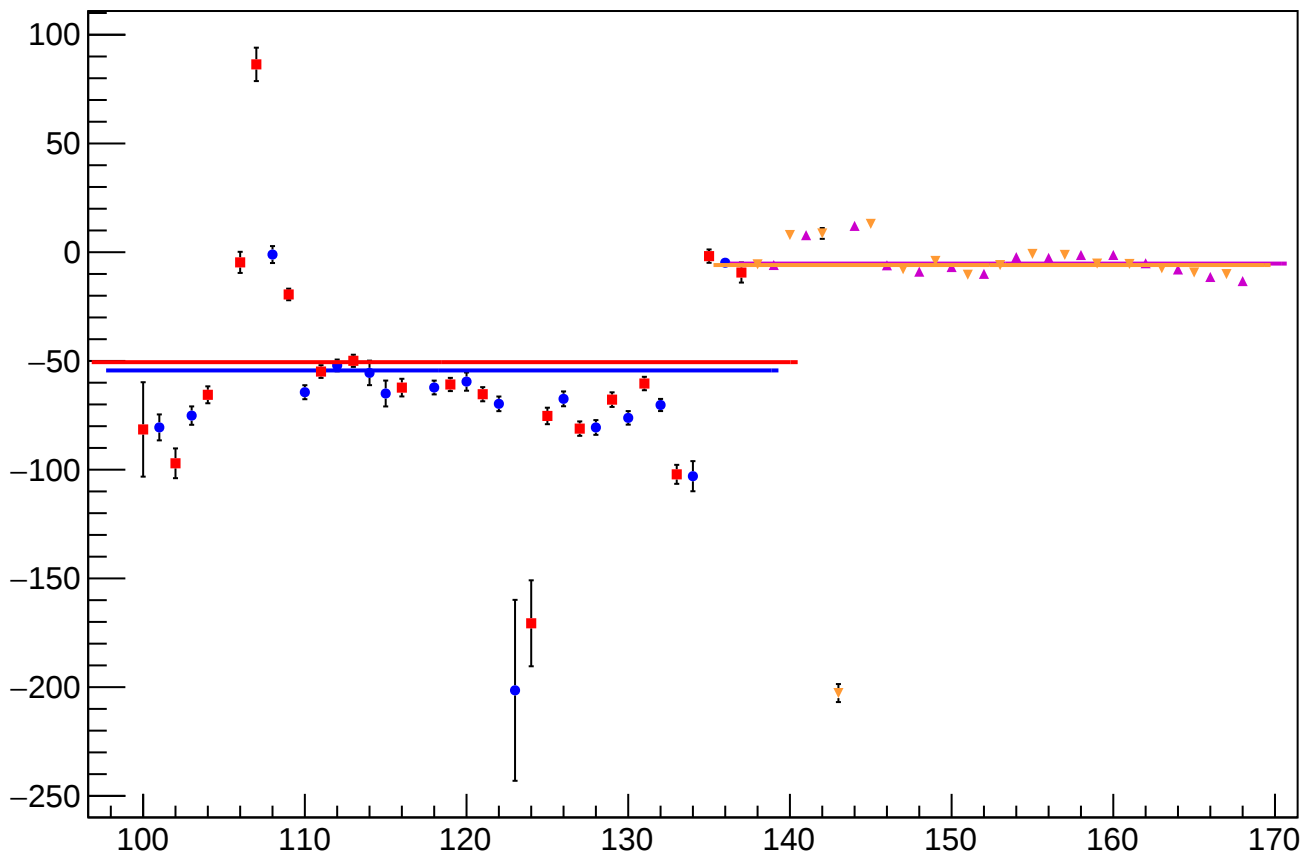
Right: 4.565 ± 0.334 χ^2/NDF : 470.0/35

In: 1.442 ± 0.232 χ^2/NDF : 392.5/31

Out: 1.009 ± 0.232 χ^2/NDF : 307.0/34

All: 1.224 ± 0.164 χ^2/NDF : 701.2/66

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 $\chi^2/\text{NDF}: 1013.5/16$

Left Out: -5.897 ± 0.368 $\chi^2/\text{NDF}: 2555.2/15$

Right Out: -50.554 ± 0.858 $\chi^2/\text{NDF}: 1321.3/18$

Left In: -5.229 ± 0.361 $\chi^2/\text{NDF}: 277.0/14$

Left: -5.557 ± 0.258 $\chi^2/\text{NDF}: 2833.9/30$

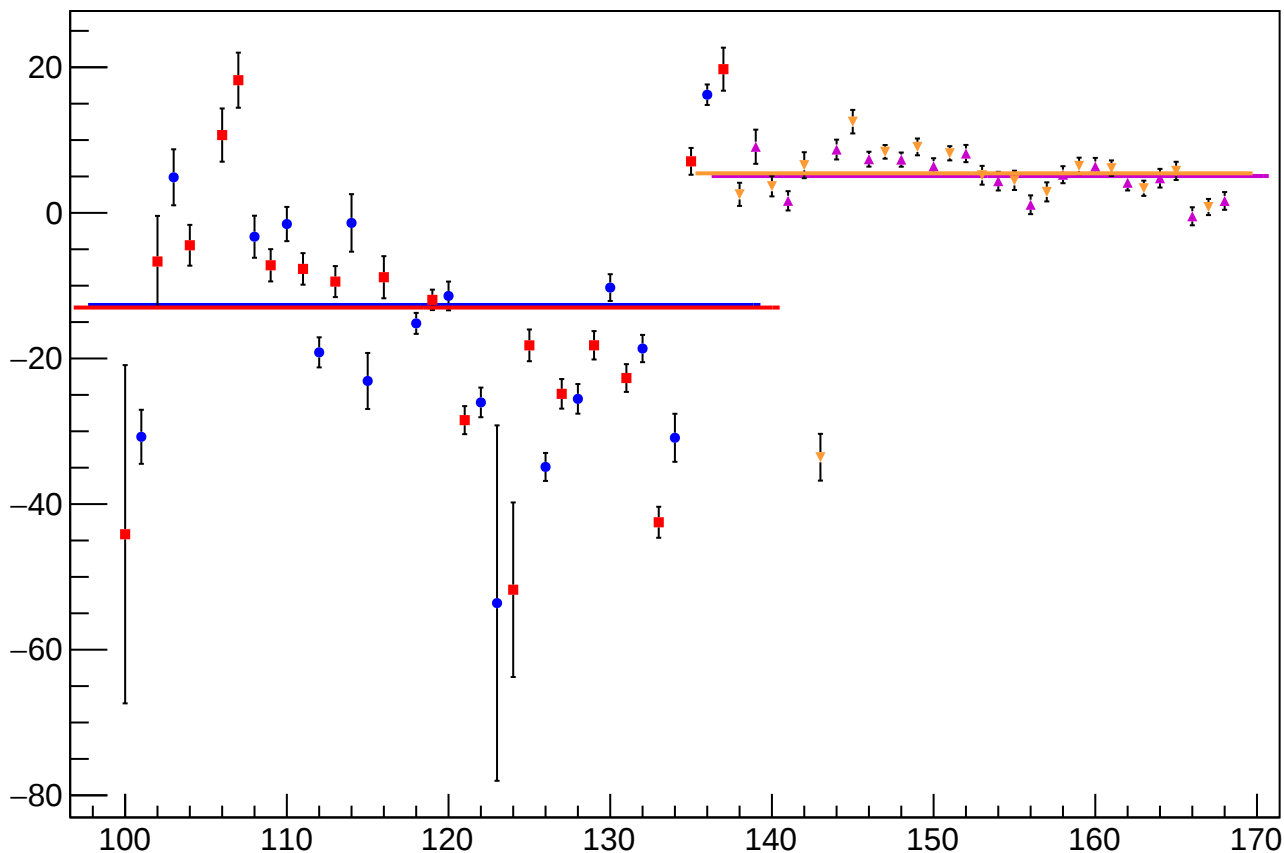
Right: -52.436 ± 0.610 $\chi^2/\text{NDF}: 2344.5/35$

In: -12.482 ± 0.334 $\chi^2/\text{NDF}: 4020.5/31$

Out: -12.847 ± 0.338 $\chi^2/\text{NDF}: 6166.4/34$

All: -12.662 ± 0.238 $\chi^2/\text{NDF}: 10187.5/66$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 5.434 ± 0.310 χ^2/NDF : 226.6/15

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

Left In: 5.059 ± 0.312 χ^2/NDF : 74.9/14

Left: 5.248 ± 0.220 χ^2/NDF : 302.2/30

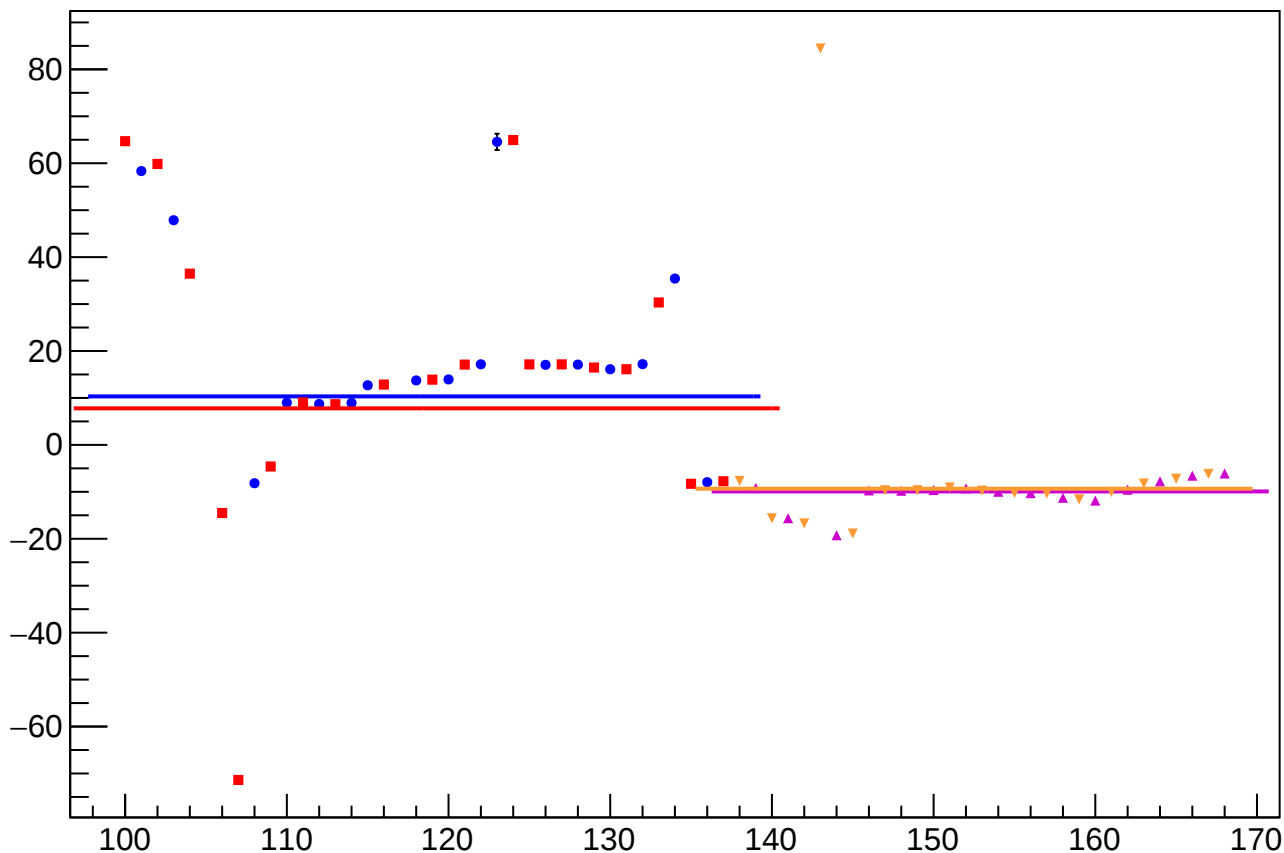
Right: -12.826 ± 0.380 χ^2/NDF : 1510.1/35

In: 0.591 ± 0.269 χ^2/NDF : 1678.5/31

Out: 0.833 ± 0.269 χ^2/NDF : 1831.1/34

All: 0.712 ± 0.190 χ^2/NDF : 3510.0/66

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -9.336+/-0.014 χ^2/NDF :363447.2/15

Right Out: 7.786+/-0.031 χ^2/NDF : 544119.7/18

Left In: -9.917+/-0.014 χ^2/NDF :36569.9/14

Left: -9.632+/-0.010 χ^2/NDF : 400836.7/30

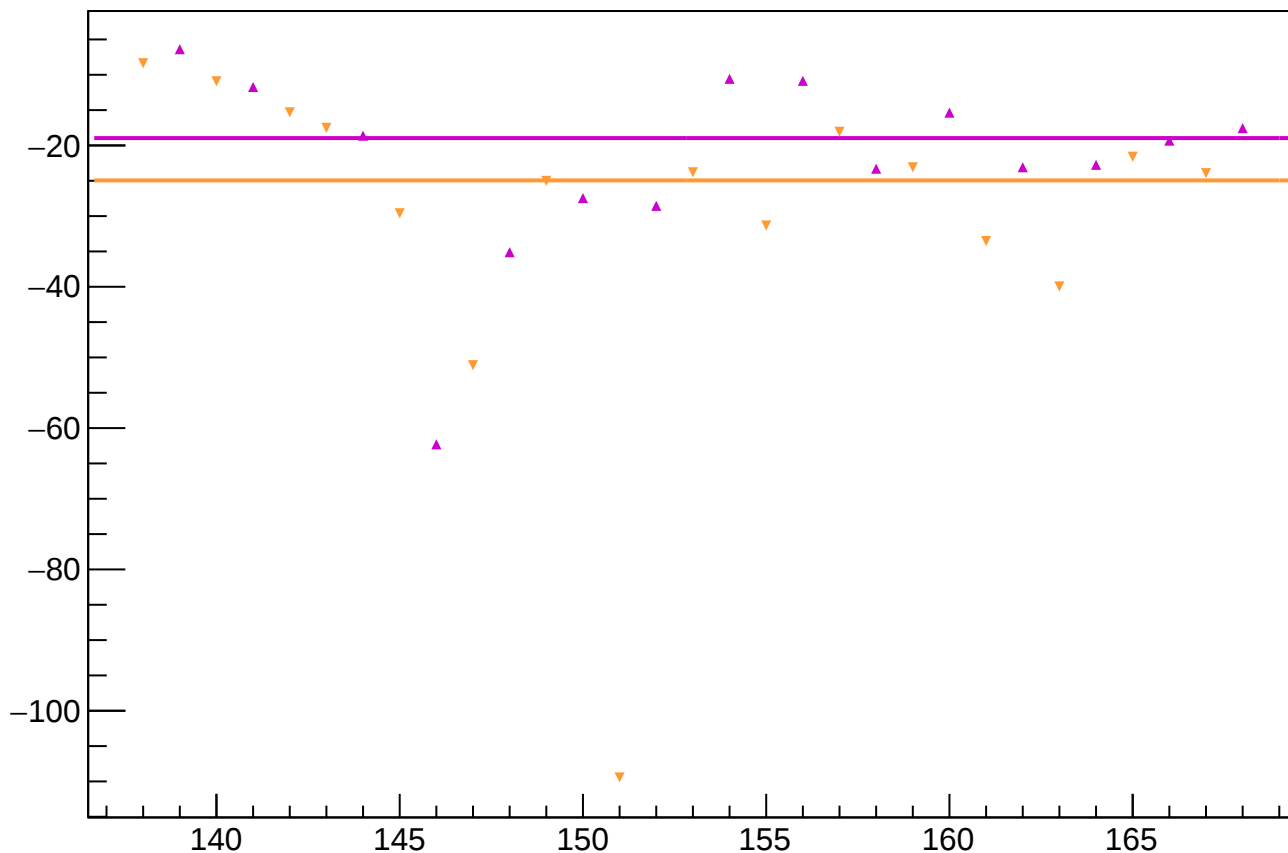
Right: 9.084+/-0.022 χ^2/NDF : 928345.1/35

In: -6.341+/-0.013 χ^2/NDF :776121.0/31

Out: -6.321+/-0.013 χ^2/NDF :1154047.4/34

All: -6.331+/-0.009 χ^2/NDF : 1930169.6/66

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.946+/-0.062 χ^2/NDF :56752.8/15

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

Left In: -18.960+/-0.052 χ^2/NDF :37129.7/14

Left: -21.468+/-0.040 χ^2/NDF : 99370.8/30

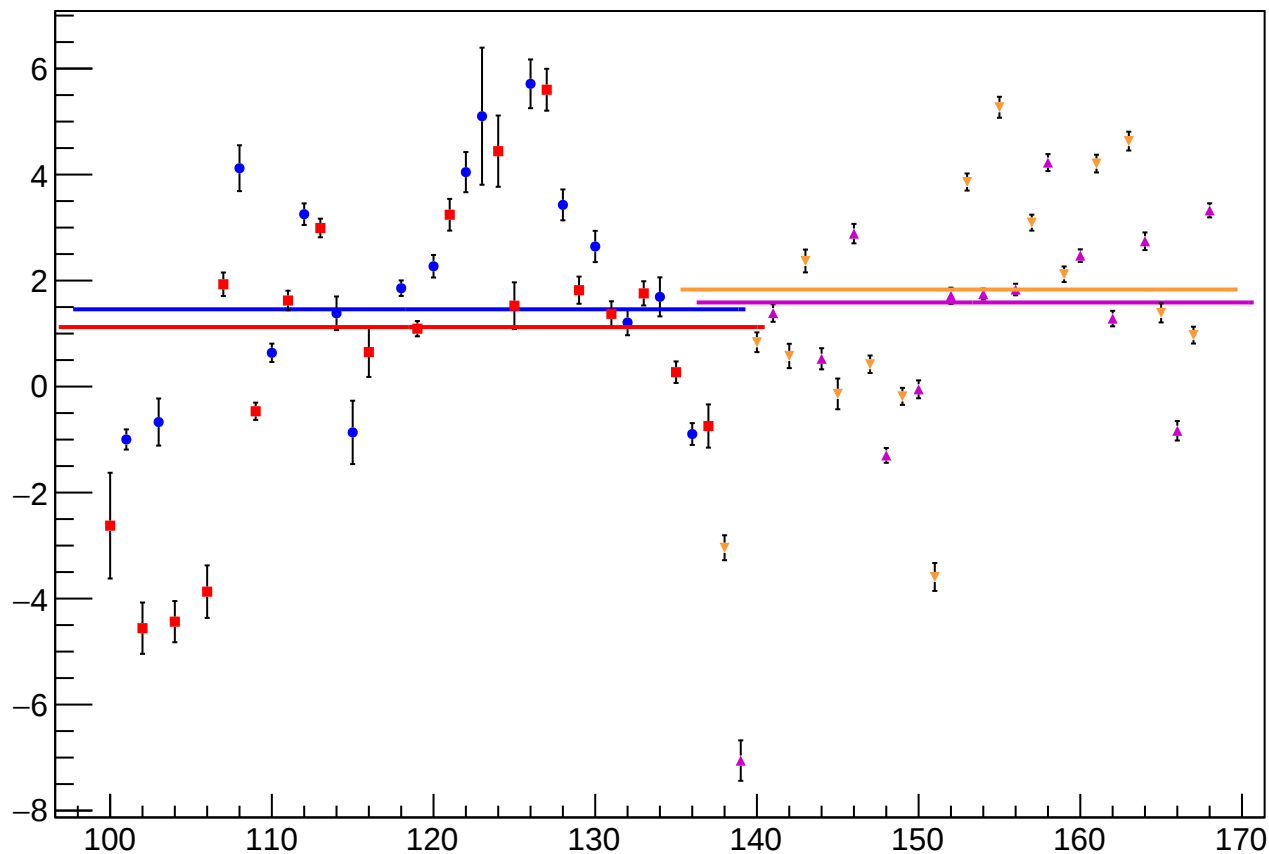
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.960+/-0.052 χ^2/NDF :37129.7/14

Out: -24.946+/-0.062 χ^2/NDF :56752.8/15

All: -21.468+/-0.040 χ^2/NDF : 99370.8/30

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: 1.831 $\pm$ 0.046 χ^2 /NDF:2214.4/15

Right Out: 1.123 $\pm$ 0.058 χ^2 /NDF: 947.4/18

Left In: 1.587 $\pm$ 0.038 χ^2 /NDF:1846.0/14

Left: 1.688 $\pm$ 0.029 χ^2 /NDF: 4077.2/30

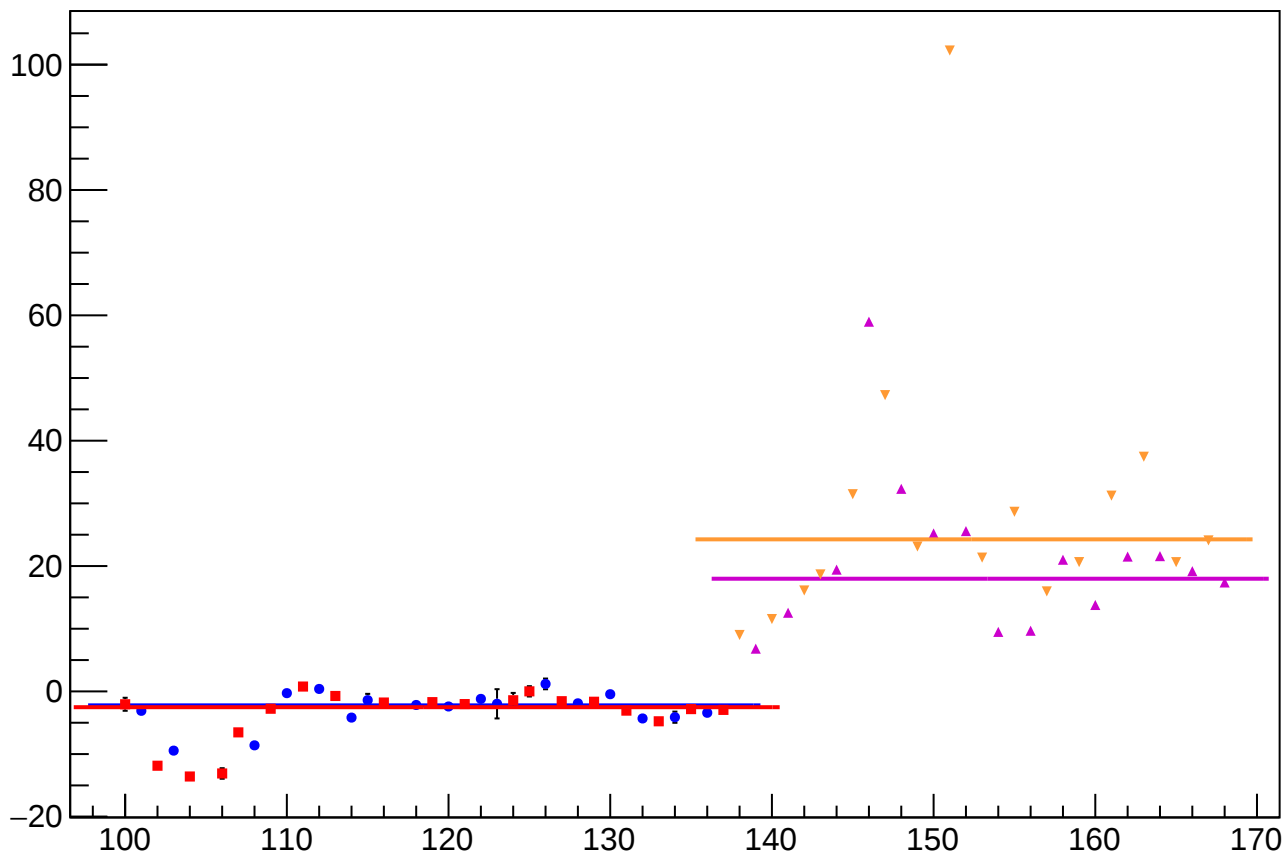
Right: 1.280 $\pm$ 0.042 χ^2 /NDF: 1661.2/35

In: 1.552 $\pm$ 0.033 χ^2 /NDF:2547.3/31

Out: 1.562 $\pm$ 0.036 χ^2 /NDF:3253.8/34

All: 1.556 $\pm$ 0.024 χ^2 /NDF: 5801.2/66

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 24.259 ± 0.061 χ^2/NDF : 50831.2/15

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

Left In: 17.977 ± 0.051 χ^2/NDF : 35166.9/14

Left: 20.564 ± 0.039 χ^2/NDF : 92330.4/30

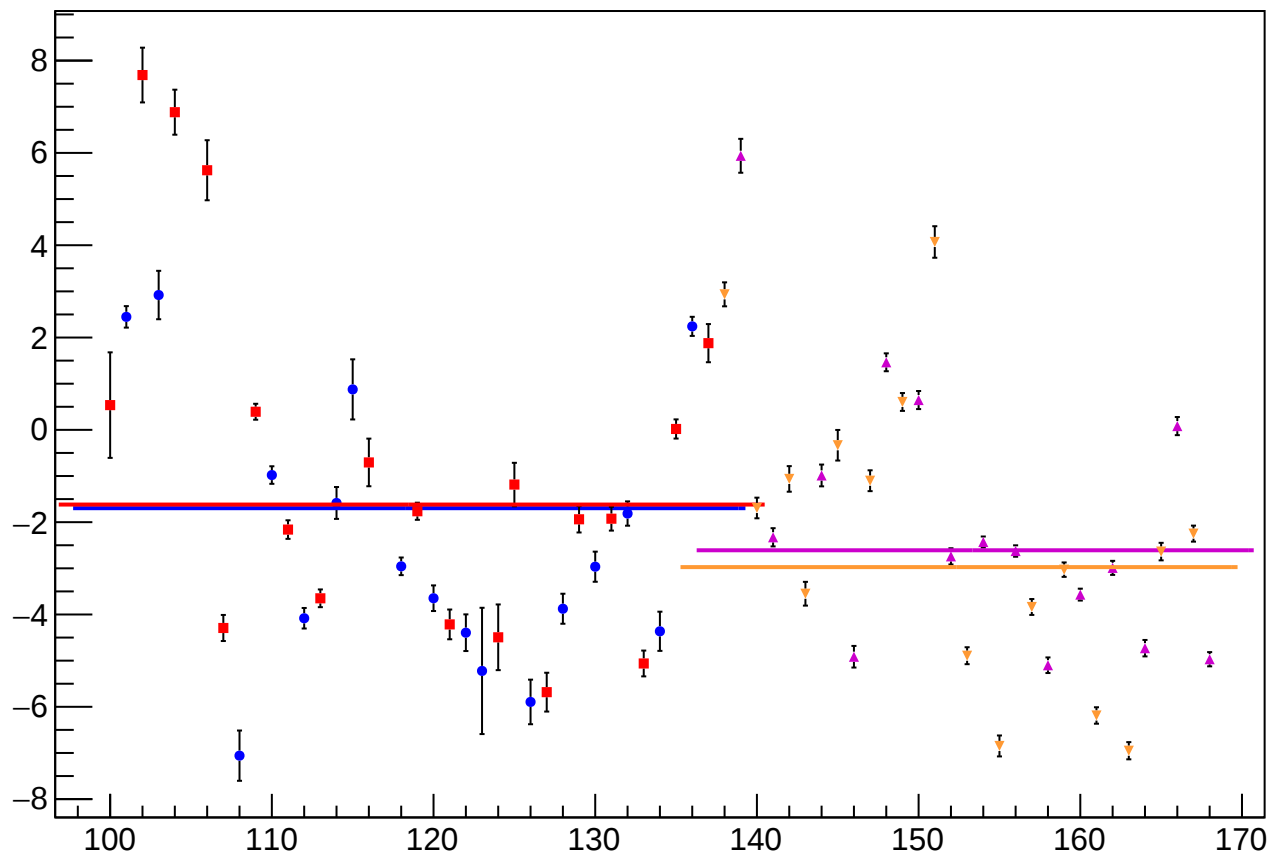
Right: -2.391 ± 0.074 χ^2/NDF : 1368.3/35

In: 14.508 ± 0.046 χ^2/NDF : 62941.1/31

Out: 16.968 ± 0.052 χ^2/NDF : 105005.7/34

All: 15.599 ± 0.034 χ^2/NDF : 169209.5/66

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: -2.974 ± 0.052 χ^2/NDF : 2730.5/15

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

Left In: -2.609 ± 0.044 χ^2/NDF : 2251.8/14

Left: -2.760 ± 0.033 χ^2/NDF : 5011.4/30

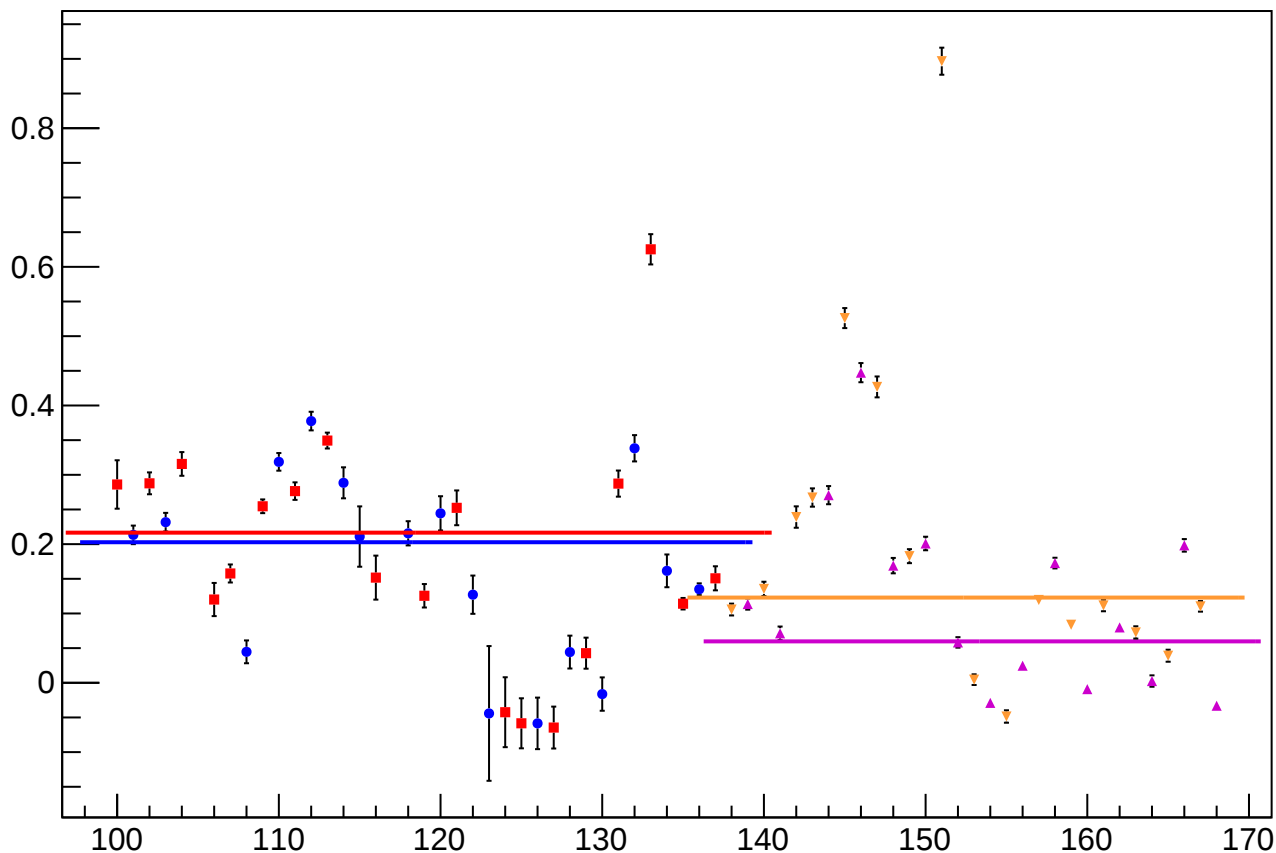
Right: -1.655 ± 0.048 χ^2/NDF : 2809.3/35

In: -2.360 ± 0.037 χ^2/NDF : 3690.8/31

Out: -2.453 ± 0.041 χ^2/NDF : 4482.1/34

All: -2.402 ± 0.027 χ^2/NDF : 8175.8/66

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.123 ± 0.002 χ^2/NDF : 3734.7/15

Right Out: 0.217 ± 0.004 χ^2/NDF : 1064.4/18

Left In: 0.060 ± 0.002 χ^2/NDF : 2650.5/14

Left: 0.085 ± 0.001 χ^2/NDF : 6827.0/30

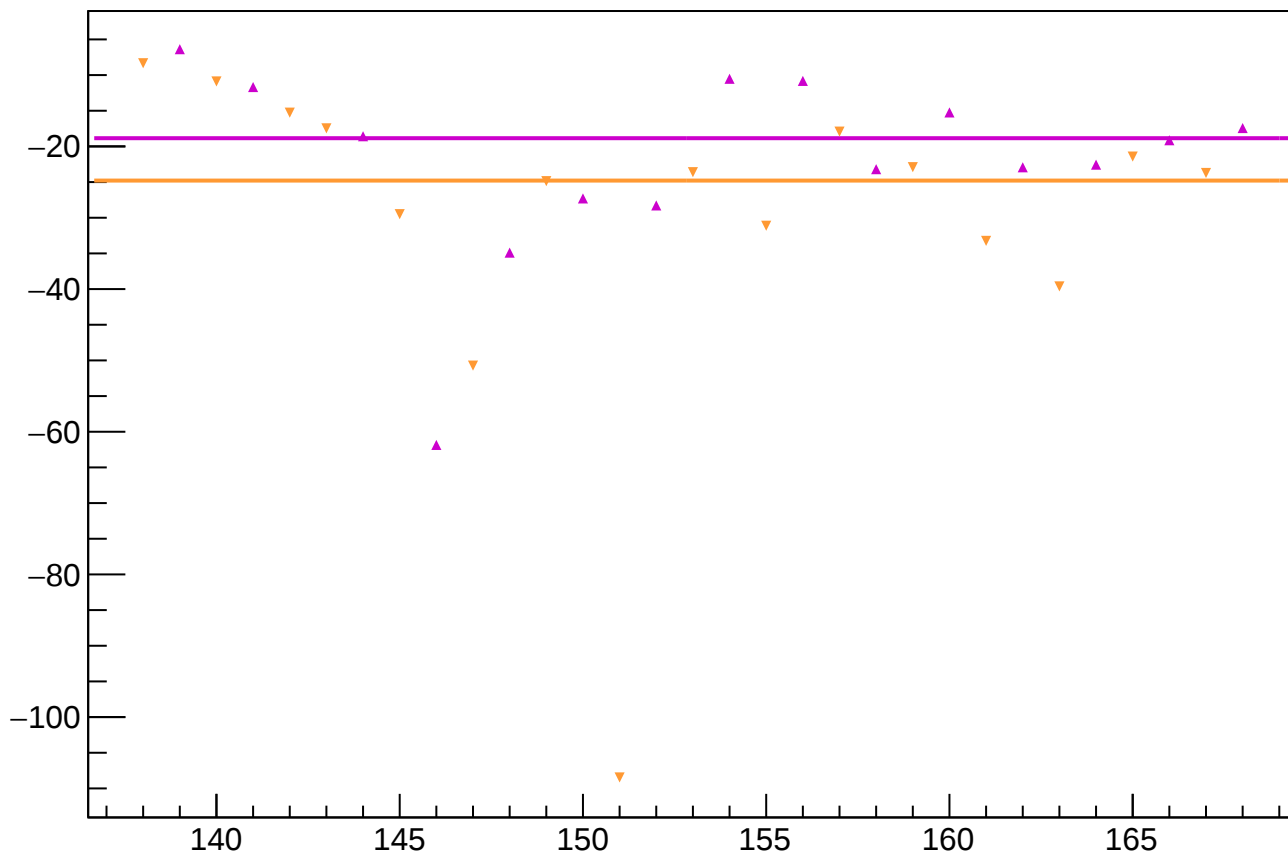
Right: 0.210 ± 0.003 χ^2/NDF : 1747.1/35

In: 0.084 ± 0.002 χ^2/NDF : 4308.6/31

Out: 0.150 ± 0.002 χ^2/NDF : 5257.7/34

All: 0.113 ± 0.001 χ^2/NDF : 10184.1/66

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: -24.789+/-0.061 χ^2/NDF :56570.8/15

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

Left In: -18.849+/-0.052 χ^2/NDF :37041.9/14

Left: -21.338+/-0.040 χ^2/NDF : 99085.9/30

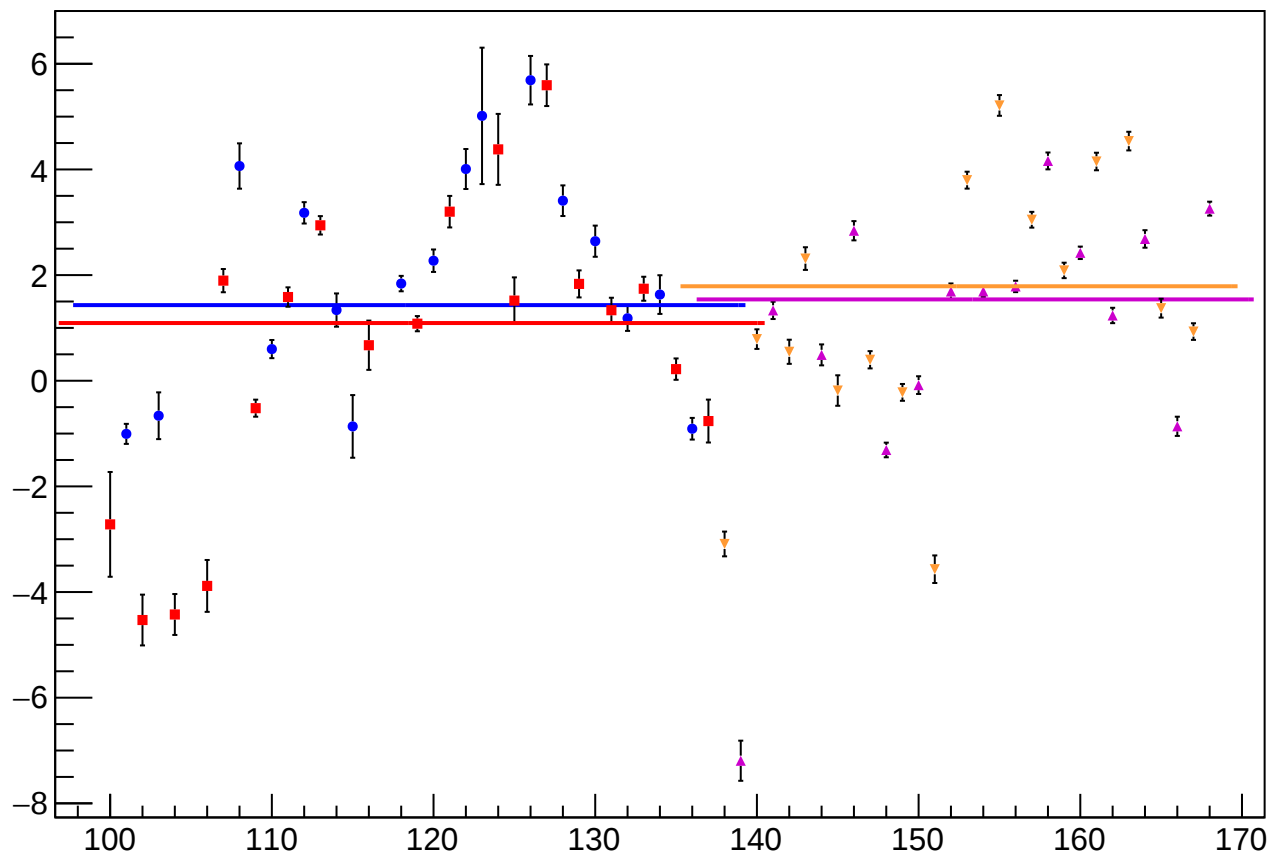
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.849+/-0.052 χ^2/NDF :37041.9/14

Out: -24.789+/-0.061 χ^2/NDF :56570.8/15

All: -21.338+/-0.040 χ^2/NDF : 99085.9/30

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: 1.789 $\pm$ 0.045 χ^2 /NDF:2213.5/15

Right Out: 1.092 $\pm$ 0.058 χ^2 /NDF: 953.2/18

Left In: 1.540 $\pm$ 0.038 χ^2 /NDF:1855.0/14

Left: 1.643 $\pm$ 0.029 χ^2 /NDF: 4086.3/30

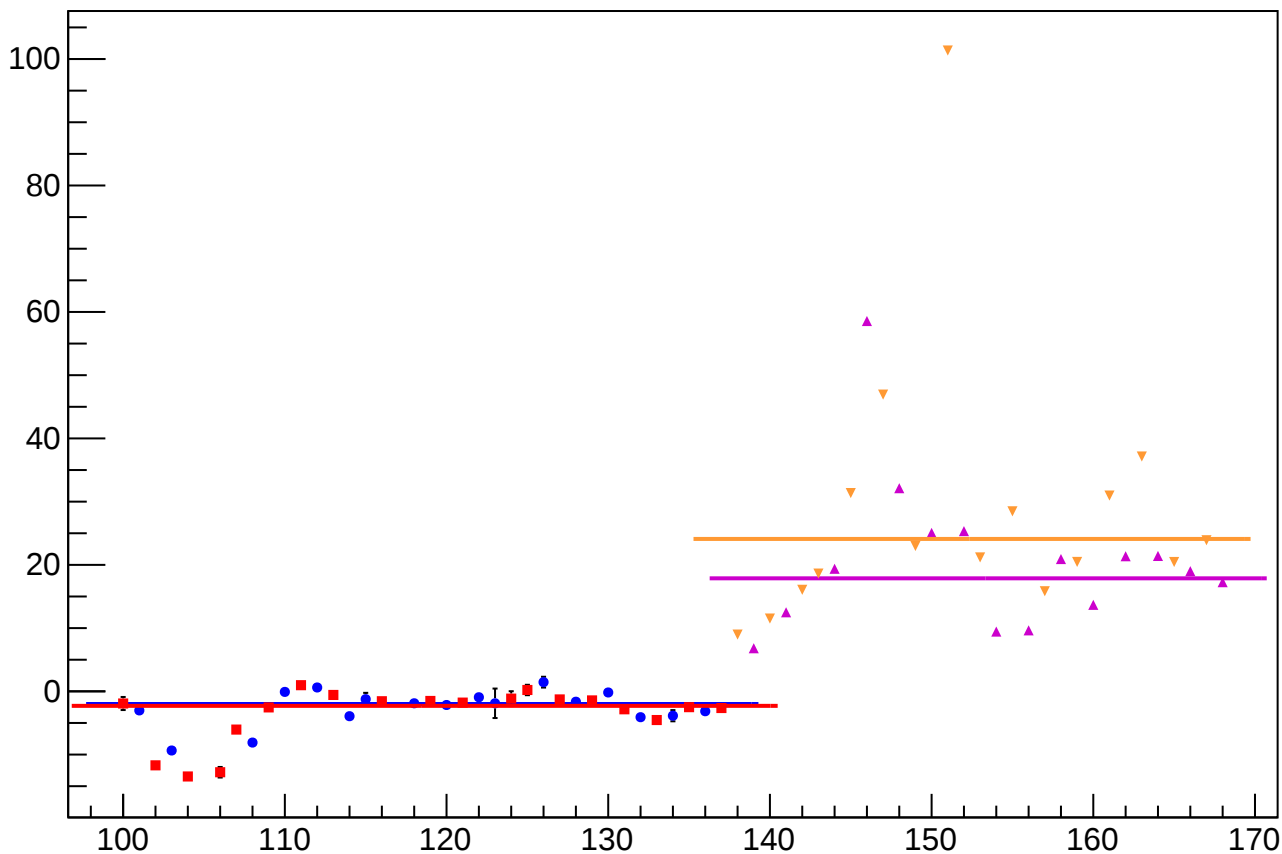
Right: 1.251 $\pm$ 0.042 χ^2 /NDF: 1665.8/35

In: 1.510 $\pm$ 0.032 χ^2 /NDF:2553.8/31

Out: 1.524 $\pm$ 0.036 χ^2 /NDF:3256.5/34

All: 1.516 $\pm$ 0.024 χ^2 /NDF: 5810.4/66

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 24.103 ± 0.060 χ^2/NDF : 50693.6/15

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

Left In: 17.872 ± 0.050 χ^2/NDF : 35091.3/14

Left: 20.439 ± 0.039 χ^2/NDF : 92094.1/30

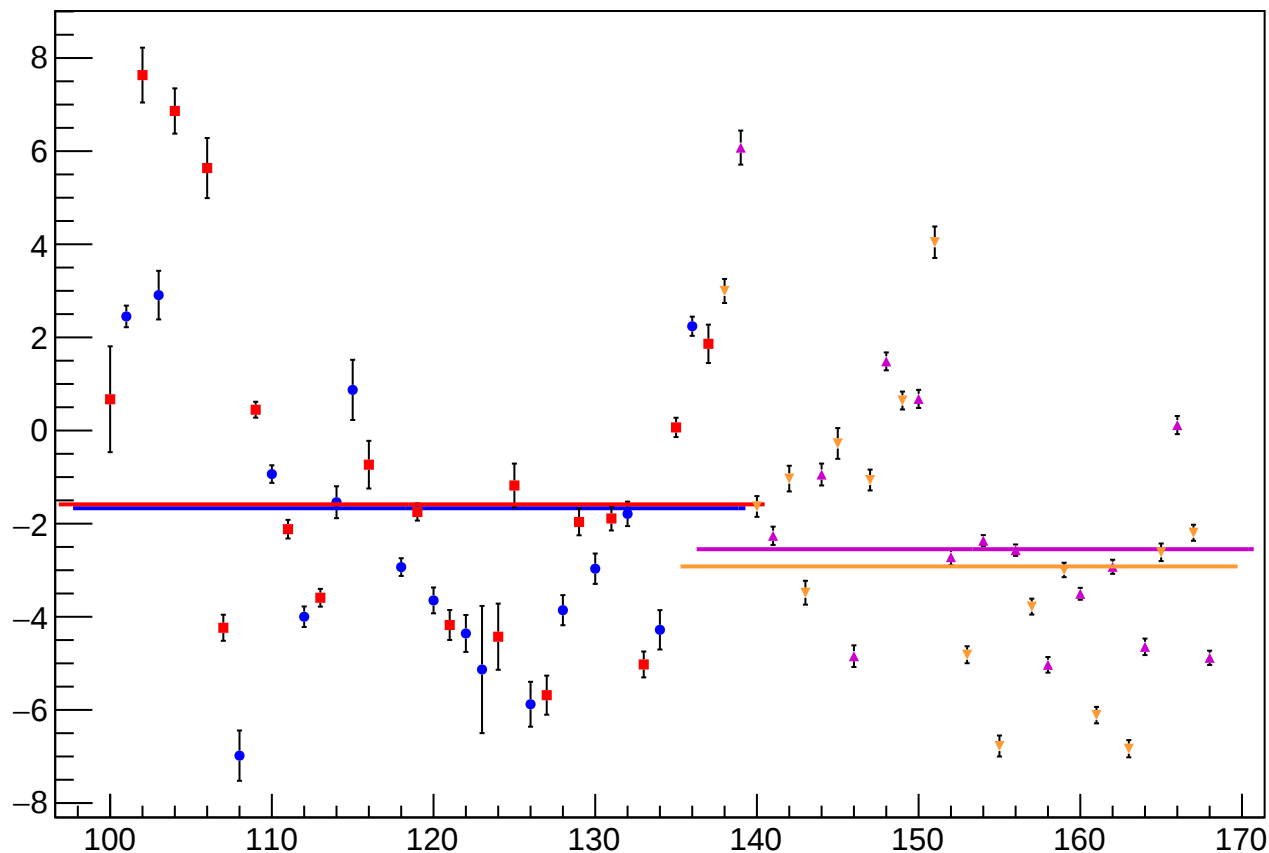
Right: -2.167 ± 0.074 χ^2/NDF : 1374.2/35

In: 14.467 ± 0.046 χ^2/NDF : 62263.6/31

Out: 16.928 ± 0.051 χ^2/NDF : 103948.7/34

All: 15.559 ± 0.034 χ^2/NDF : 167492.3/66

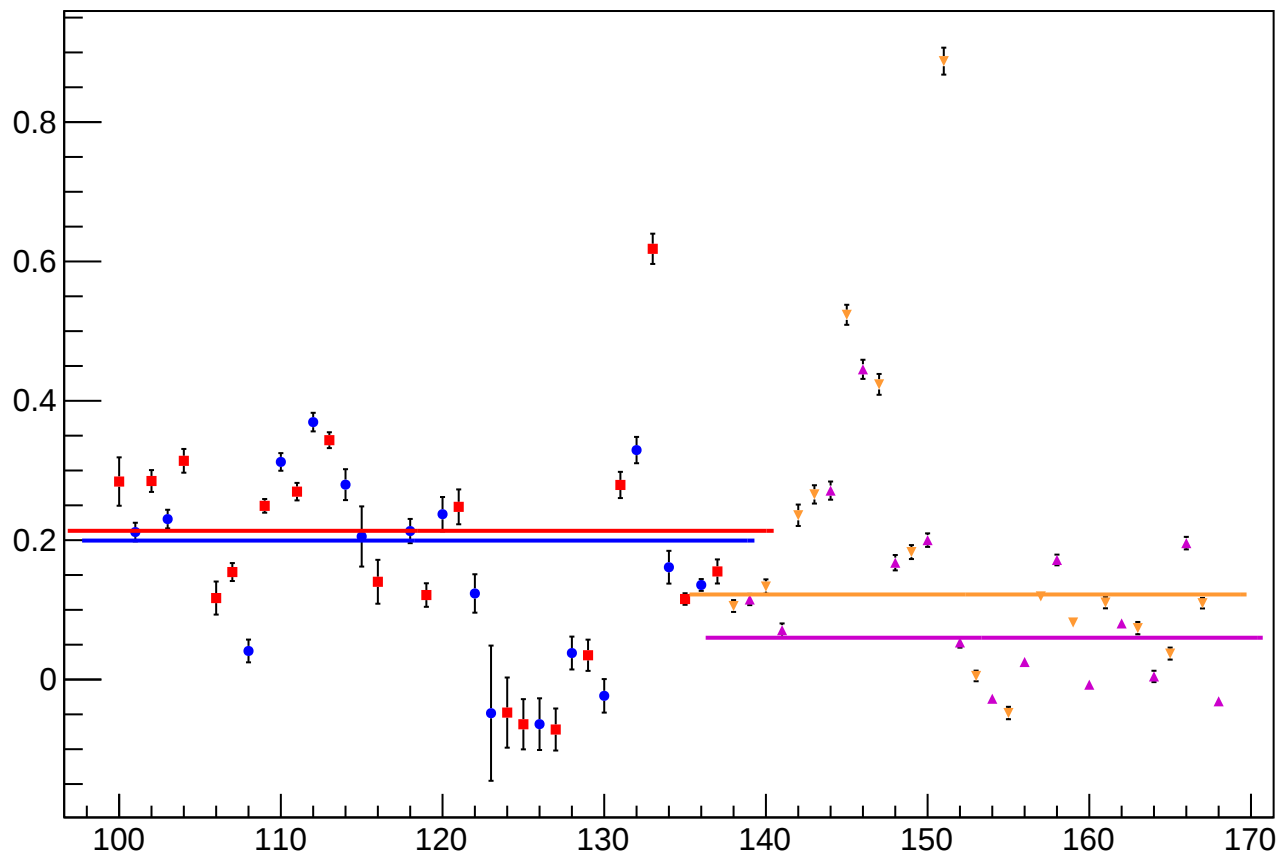
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16
 Left Out: -2.919 ± 0.052 χ^2/NDF : 2728.2/15
 Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18
 Left In: -2.548 ± 0.043 χ^2/NDF : 2261.5/14

Left: -2.702 ± 0.033 χ^2/NDF : 5020.1/30
 Right: -1.624 ± 0.048 χ^2/NDF : 2810.4/35
 In: -2.309 ± 0.037 χ^2/NDF : 3688.8/31
 Out: -2.408 ± 0.040 χ^2/NDF : 4479.6/34
 All: -2.354 ± 0.027 χ^2/NDF : 8171.7/66

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 ± 0.004 $\chi^2/\text{NDF}: 662.1/16$

Left Out: 0.122 ± 0.002 $\chi^2/\text{NDF}: 3729.6/15$

Right Out: 0.213 ± 0.004 $\chi^2/\text{NDF}: 1048.2/18$

Left In: 0.060 ± 0.002 $\chi^2/\text{NDF}: 2632.1/14$

Left: 0.085 ± 0.001 $\chi^2/\text{NDF}: 6793.6/30$

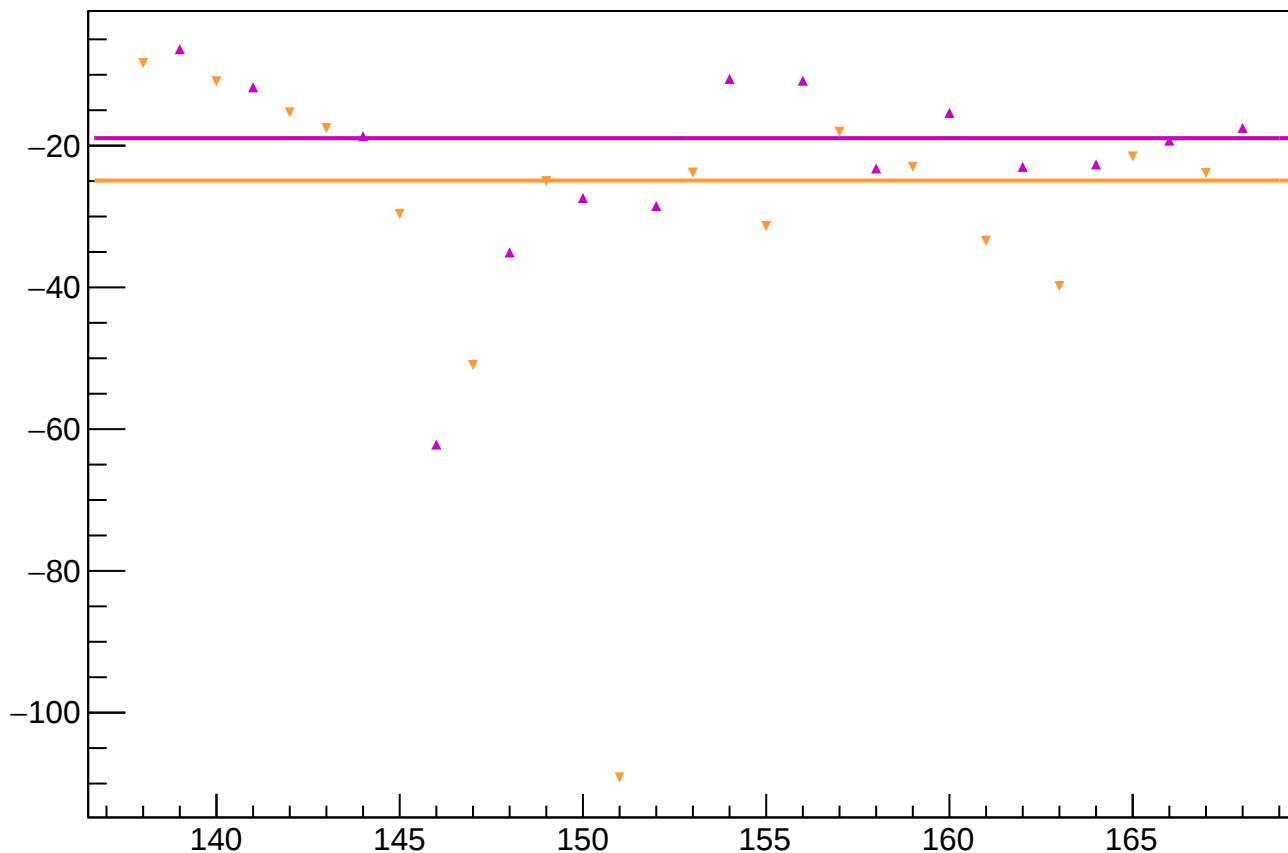
Right: 0.207 ± 0.003 $\chi^2/\text{NDF}: 1716.7/35$

In: 0.084 ± 0.002 $\chi^2/\text{NDF}: 4236.7/31$

Out: 0.148 ± 0.002 $\chi^2/\text{NDF}: 5219.0/34$

All: 0.112 ± 0.001 $\chi^2/\text{NDF}: 10059.1/66$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.920+/-0.061 χ^2/NDF :56697.3/15

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

Left In: -18.939+/-0.052 χ^2/NDF :37110.1/14

Left: -21.444+/-0.040 χ^2/NDF : 99311.2/30

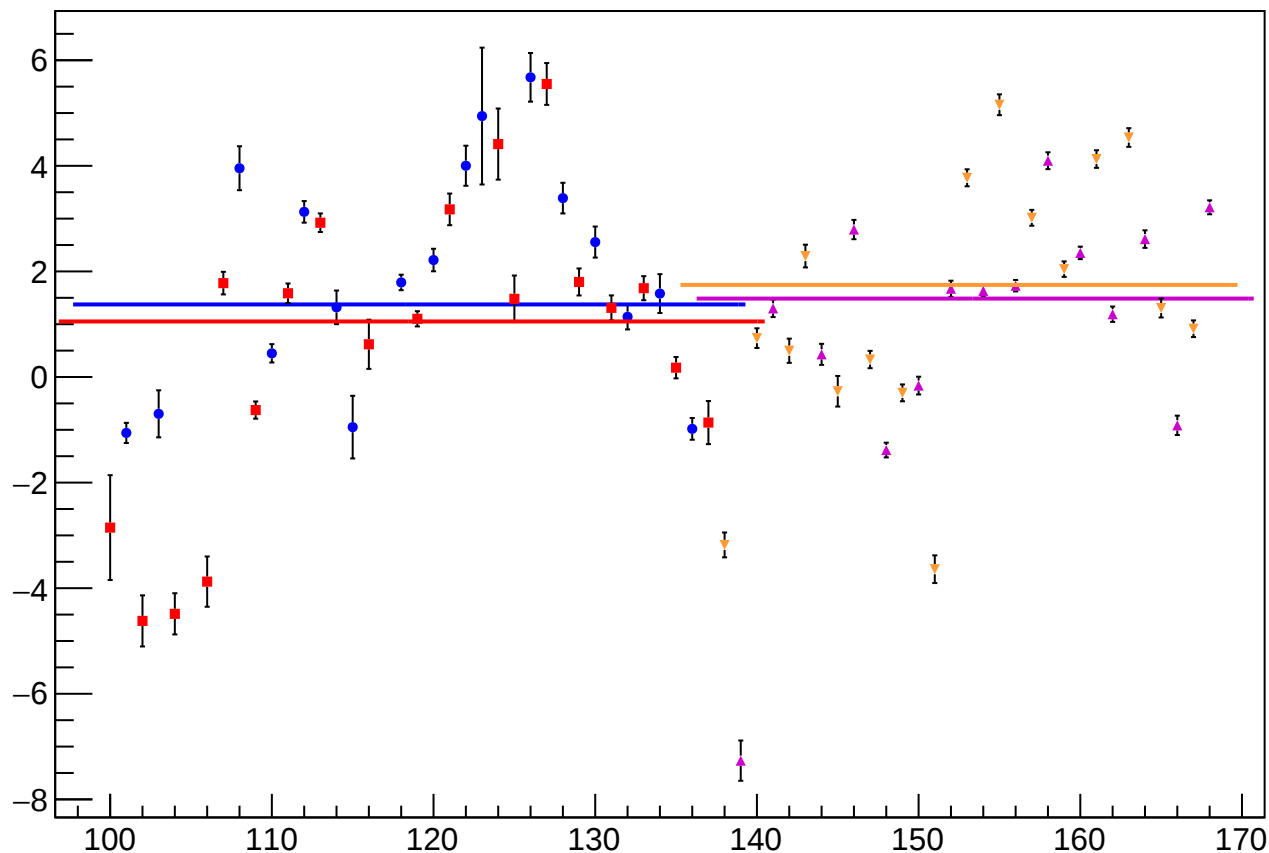
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.939+/-0.052 χ^2/NDF :37110.1/14

Out: -24.920+/-0.061 χ^2/NDF :56697.3/15

All: -21.444+/-0.040 χ^2/NDF : 99311.2/30

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: 1.744 ± 0.045 $\chi^2/\text{NDF}: 2230.2/15$

Right Out: 1.052 ± 0.058 $\chi^2/\text{NDF}: 964.0/18$

Left In: 1.486 ± 0.038 $\chi^2/\text{NDF}: 1848.1/14$

Left: 1.592 ± 0.029 $\chi^2/\text{NDF}: 4097.3/30$

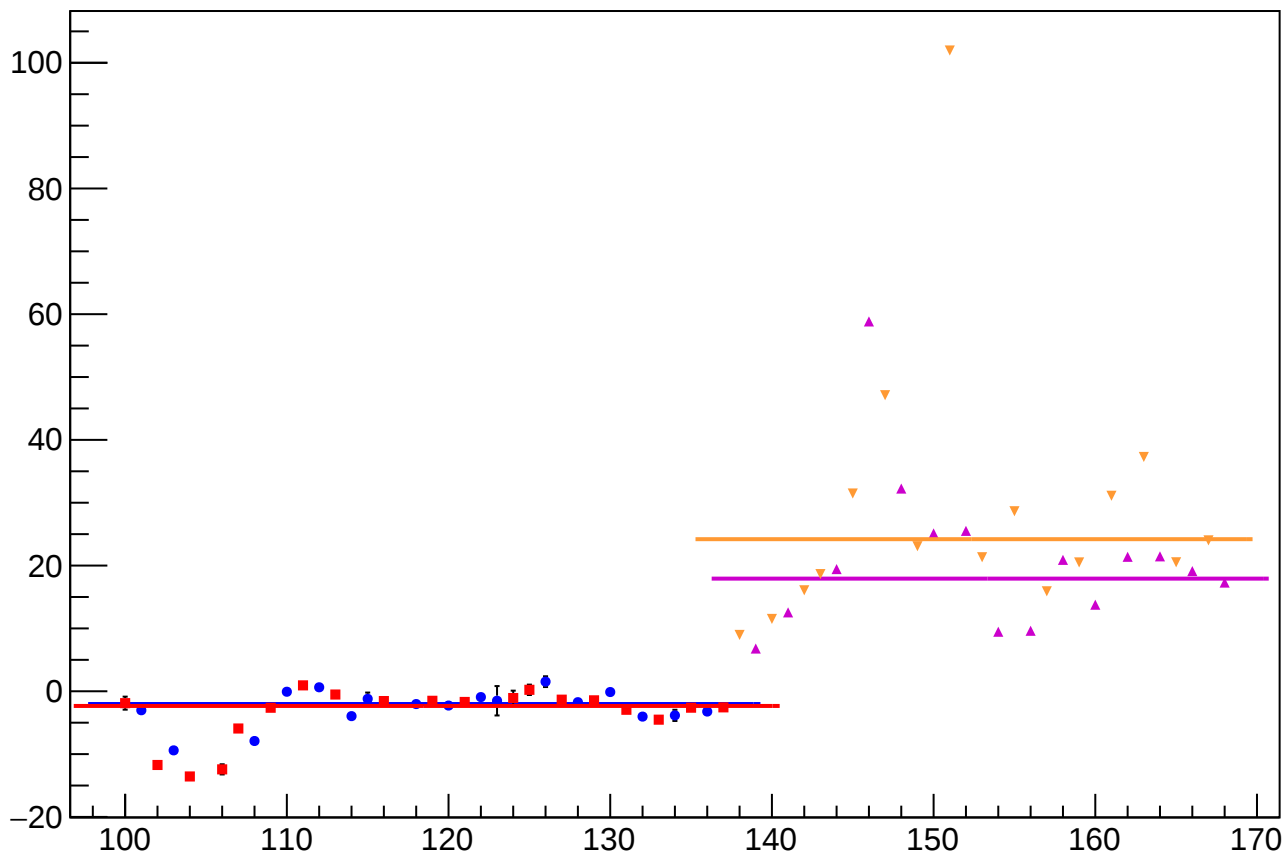
Right: 1.203 ± 0.042 $\chi^2/\text{NDF}: 1680.9/35$

In: 1.455 ± 0.032 $\chi^2/\text{NDF}: 2552.8/31$

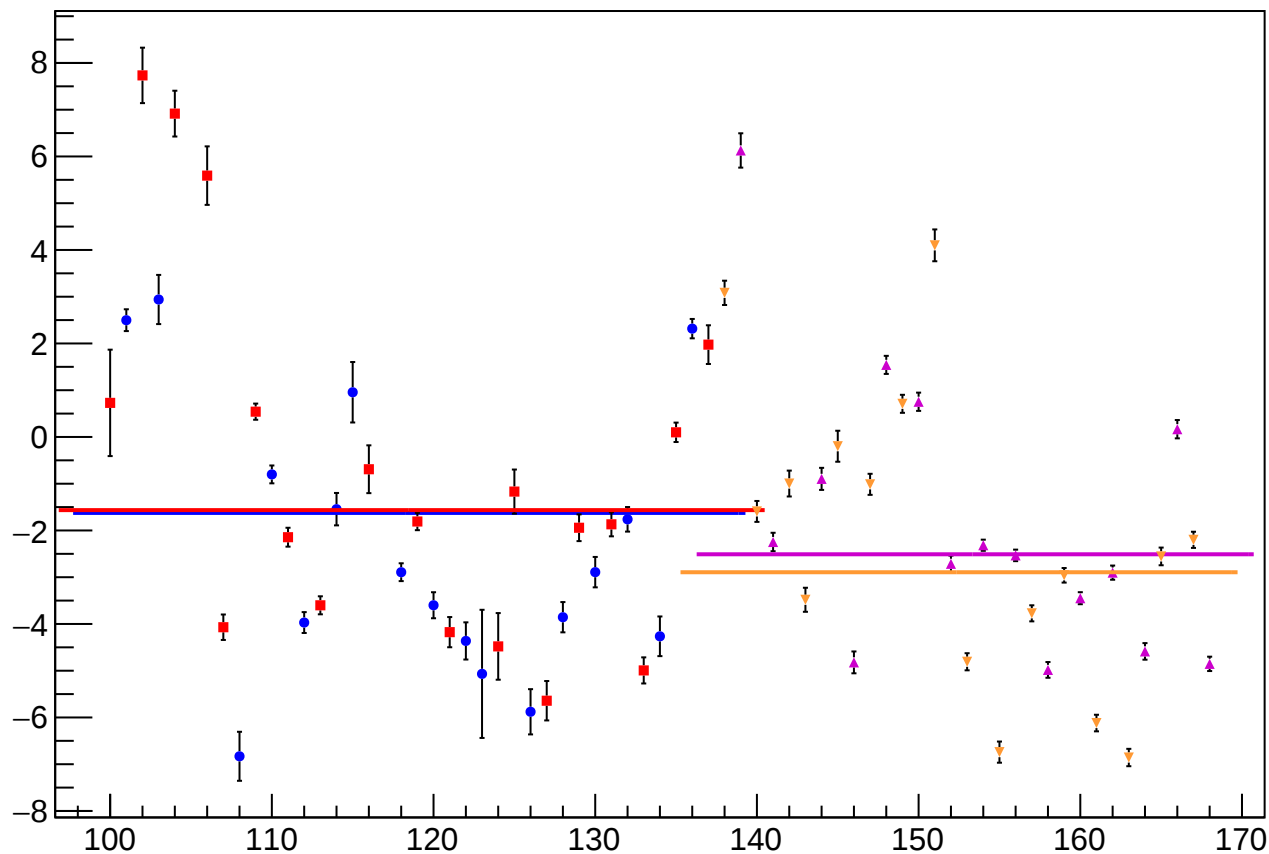
Out: 1.481 ± 0.036 $\chi^2/\text{NDF}: 3282.4/34$

All: 1.467 ± 0.024 $\chi^2/\text{NDF}: 5835.5/66$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



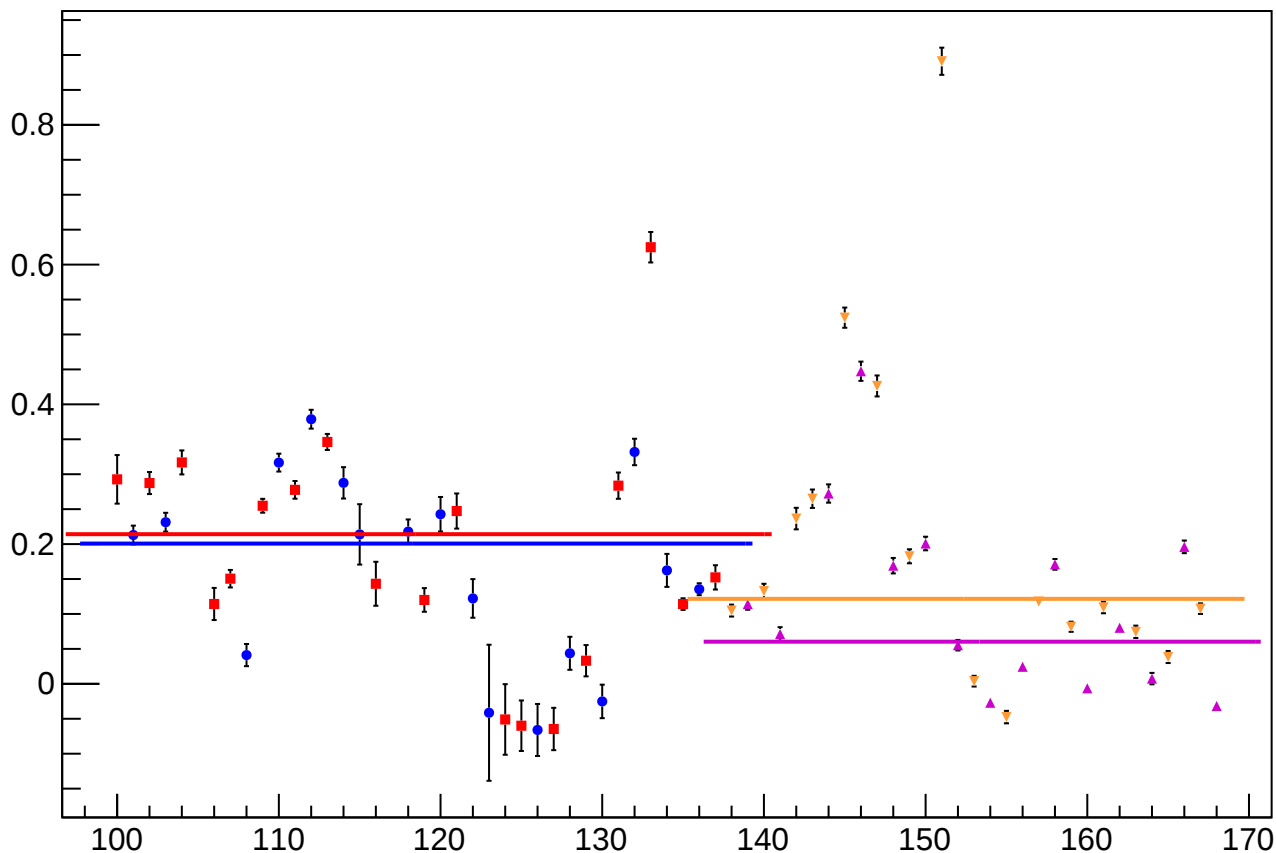
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625+/-0.071 χ^2/NDF : 1320.8/16
 Left Out: -2.894+/-0.052 χ^2/NDF : 2751.8/15
 Right Out: -1.565+/-0.066 χ^2/NDF : 1505.8/18
 Left In: -2.510+/-0.043 χ^2/NDF : 2255.0/14

Left: -2.668+/-0.033 χ^2/NDF : 5039.2/30
 Right: -1.592+/-0.048 χ^2/NDF : 2826.9/35
 In: -2.269+/-0.037 χ^2/NDF : 3688.6/31
 Out: -2.384+/-0.041 χ^2/NDF : 4510.7/34
 All: -2.321+/-0.027 χ^2/NDF : 8203.6/66

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16

Left Out: 0.122 $\pm$ 0.002 χ^2 /NDF:3717.9/15

Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1080.4/18

Left In: 0.060 $\pm$ 0.002 χ^2 /NDF:2617.5/14

Left: 0.085 $\pm$ 0.001 χ^2 /NDF: 6753.6/30

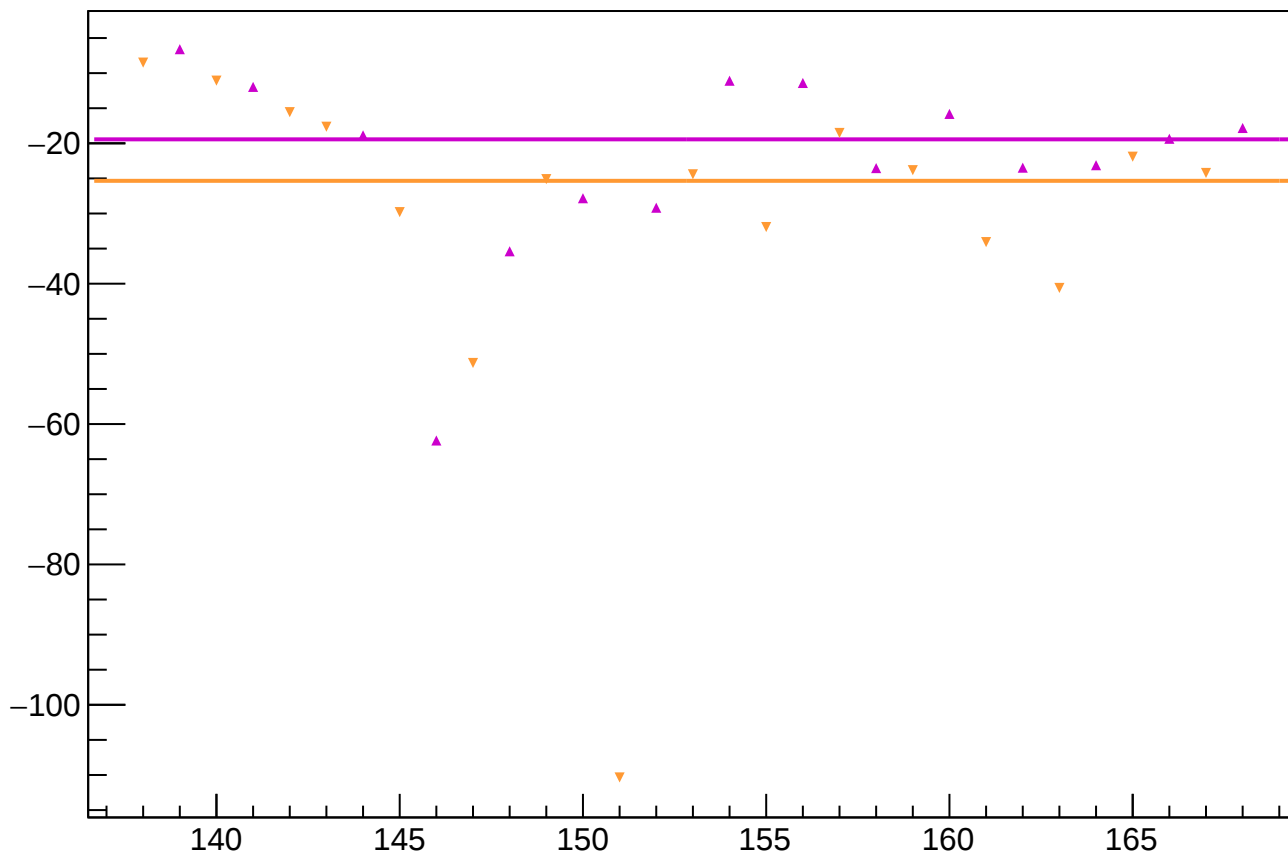
Right: 0.208 $\pm$ 0.003 χ^2 /NDF: 1776.9/35

In: 0.084 $\pm$ 0.002 χ^2 /NDF:4257.2/31

Out: 0.148 $\pm$ 0.002 χ^2 /NDF:5248.7/34

All: 0.112 $\pm$ 0.001 χ^2 /NDF: 10095.8/66

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.344+/-0.063 χ^2/NDF :56623.9/15

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

Left In: -19.435+/-0.053 χ^2/NDF :35976.2/14

Left: -21.928+/-0.041 χ^2/NDF : 97760.7/30

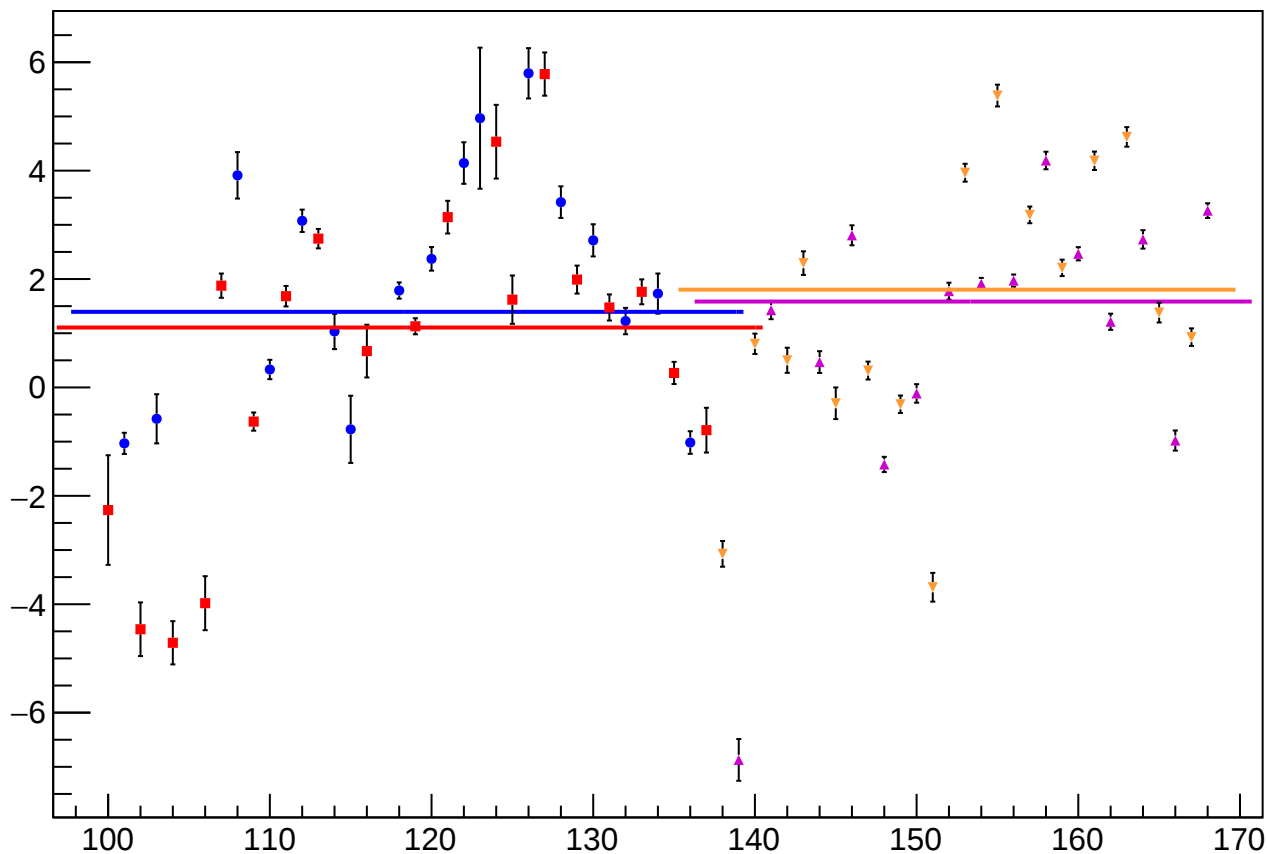
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.435+/-0.053 χ^2/NDF :35976.2/14

Out: -25.344+/-0.063 χ^2/NDF :56623.9/15

All: -21.928+/-0.041 χ^2/NDF : 97760.7/30

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 0.063 $\chi^2/\text{NDF}: 701.4/16$

Left Out: 1.804 ± 0.046 $\chi^2/\text{NDF}: 2270.5/15$

Right Out: 1.106 ± 0.059 $\chi^2/\text{NDF}: 937.0/18$

Left In: 1.585 ± 0.039 $\chi^2/\text{NDF}: 1839.5/14$

Left: 1.676 ± 0.030 $\chi^2/\text{NDF}: 4123.0/30$

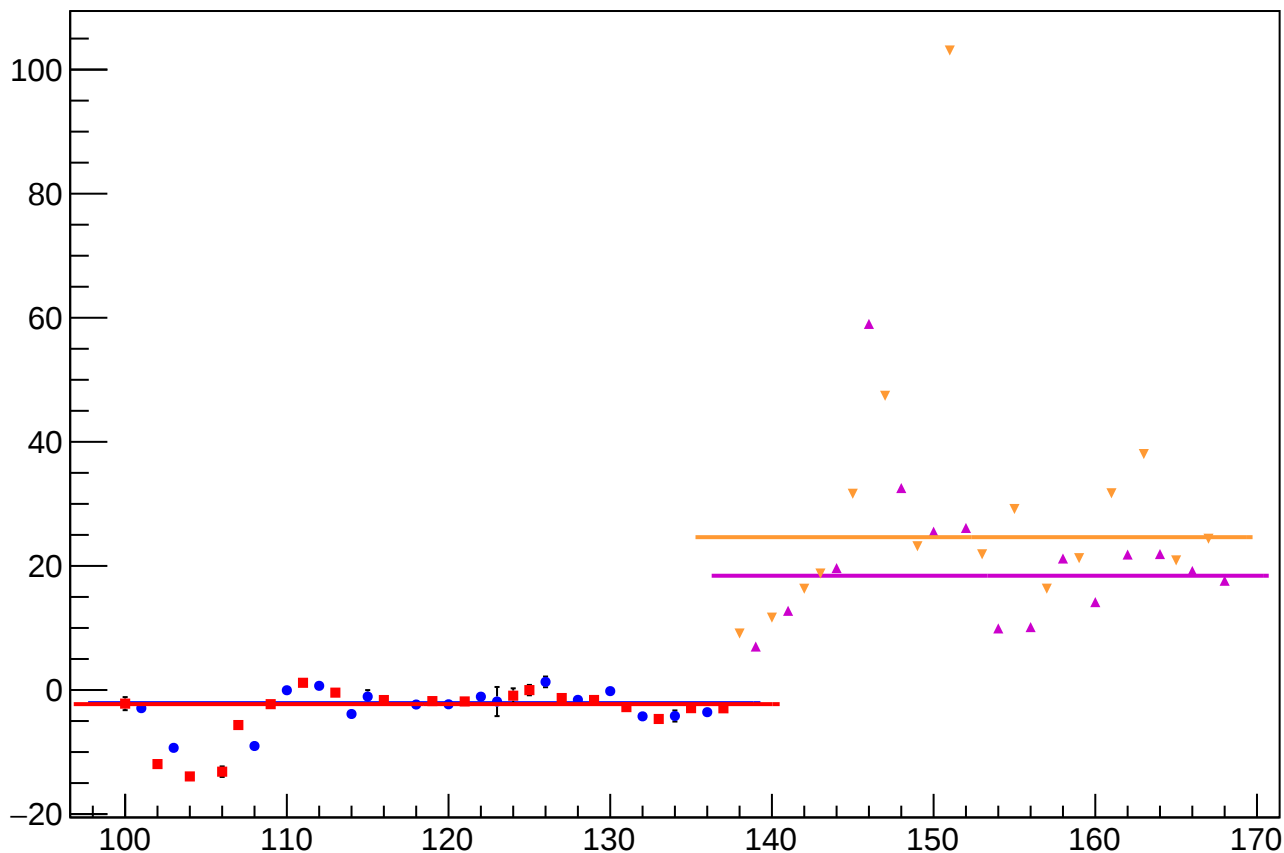
Right: 1.241 ± 0.043 $\chi^2/\text{NDF}: 1649.6/35$

In: 1.532 ± 0.033 $\chi^2/\text{NDF}: 2547.5/31$

Out: 1.539 ± 0.036 $\chi^2/\text{NDF}: 3293.7/34$

All: 1.535 ± 0.025 $\chi^2/\text{NDF}: 5841.2/66$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 24.634 ± 0.061 $\chi^2/\text{NDF}: 50582.2/15$

Right Out: -2.277 ± 0.101 $\chi^2/\text{NDF}: 919.4/18$

Left In: 18.419 ± 0.052 $\chi^2/\text{NDF}: 33915.0/14$

Left: 20.997 ± 0.040 $\chi^2/\text{NDF}: 90474.3/30$

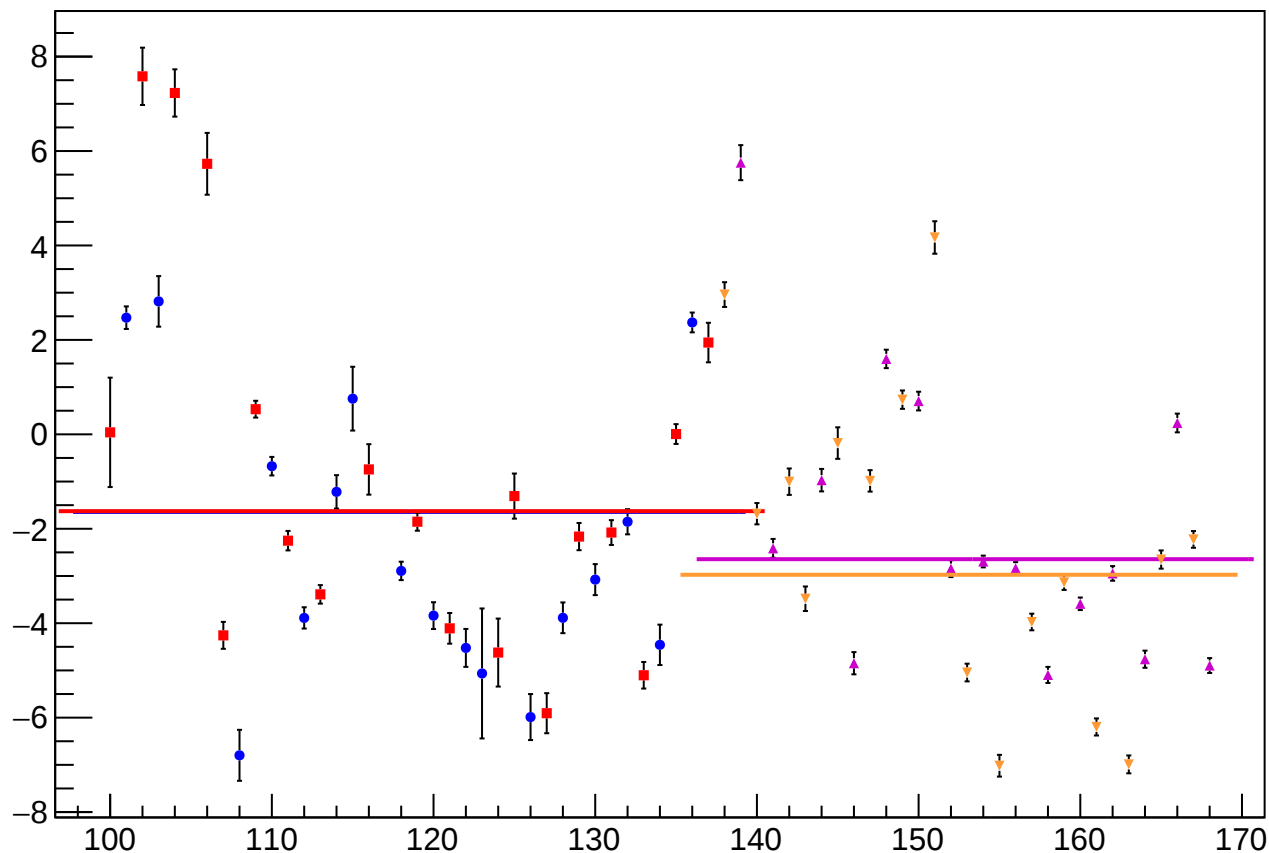
Right: -2.207 ± 0.075 $\chi^2/\text{NDF}: 1406.8/35$

In: 14.871 ± 0.047 $\chi^2/\text{NDF}: 61584.2/31$

Out: 17.360 ± 0.053 $\chi^2/\text{NDF}: 103266.5/34$

All: 15.980 ± 0.035 $\chi^2/\text{NDF}: 166095.6/66$

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: -2.974 ± 0.053 χ^2/NDF : 2791.5/15

Right Out: -1.627 ± 0.067 χ^2/NDF : 1468.1/18

Left In: -2.644 ± 0.044 χ^2/NDF : 2223.9/14

Left: -2.782 ± 0.034 χ^2/NDF : 5038.4/30

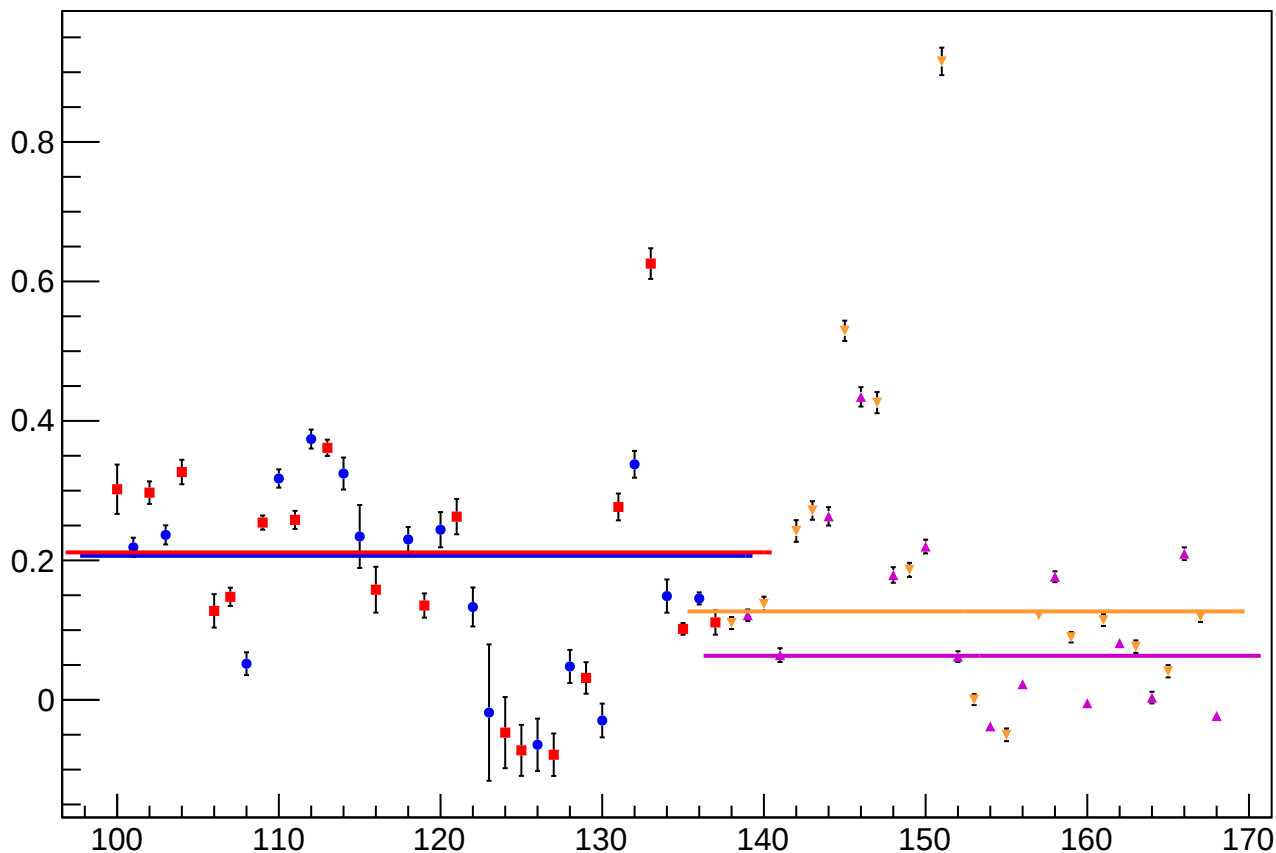
Right: -1.635 ± 0.049 χ^2/NDF : 2778.2/35

In: -2.370 ± 0.038 χ^2/NDF : 3672.9/31

Out: -2.459 ± 0.041 χ^2/NDF : 4509.8/34

All: -2.410 ± 0.028 χ^2/NDF : 8185.2/66

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.127 ± 0.002 χ^2/NDF : 3765.7/15

Right Out: 0.211 ± 0.004 χ^2/NDF : 1145.6/18

Left In: 0.063 ± 0.002 χ^2/NDF : 2653.6/14

Left: 0.089 ± 0.002 χ^2/NDF : 6851.4/30

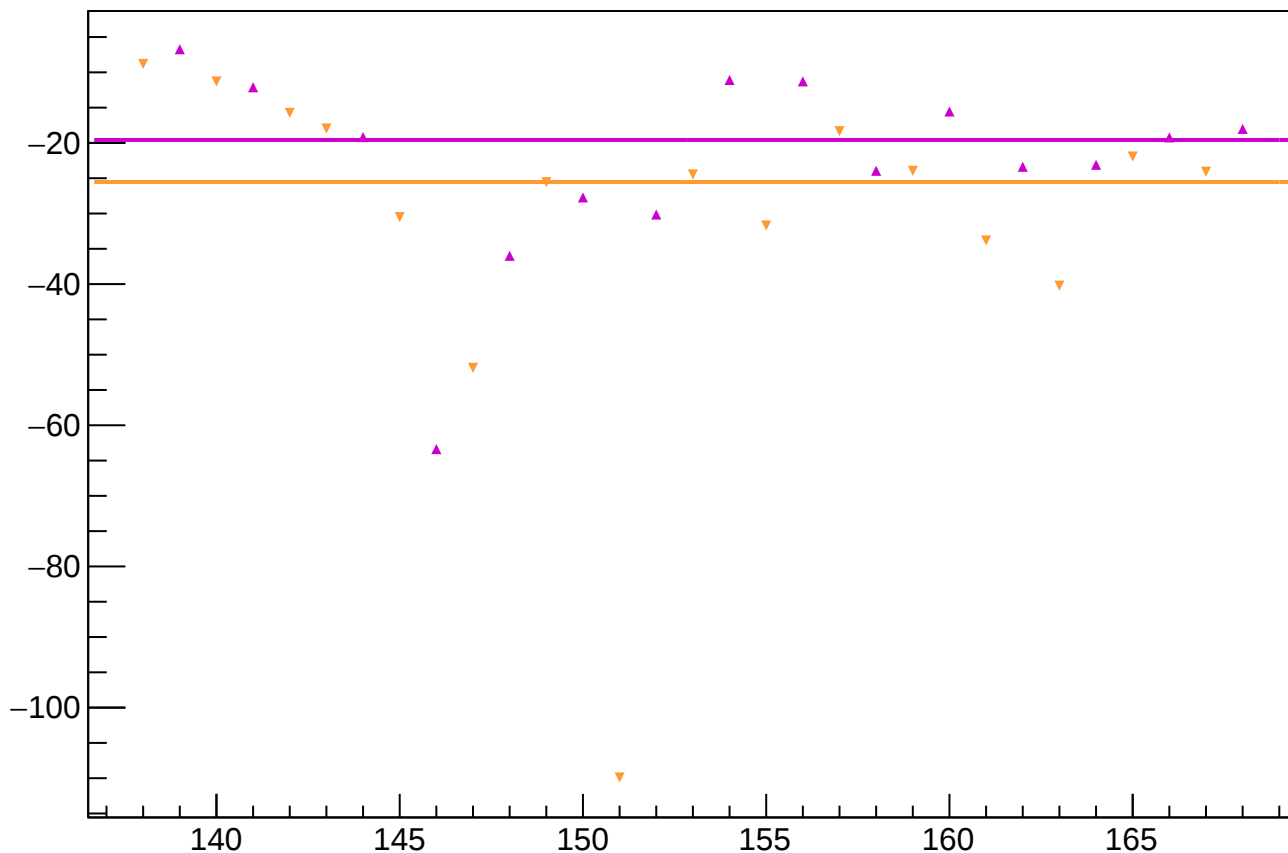
Right: 0.209 ± 0.003 χ^2/NDF : 1801.3/35

In: 0.088 ± 0.002 χ^2/NDF : 4261.5/31

Out: 0.151 ± 0.002 χ^2/NDF : 5272.6/34

All: 0.116 ± 0.001 χ^2/NDF : 10084.6/66

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: -25.534+/-0.063 χ^2/NDF :55406.7/15

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

Left In: -19.581+/-0.054 χ^2/NDF :36281.5/14

Left: -22.105+/-0.041 χ^2/NDF : 96812.5/30

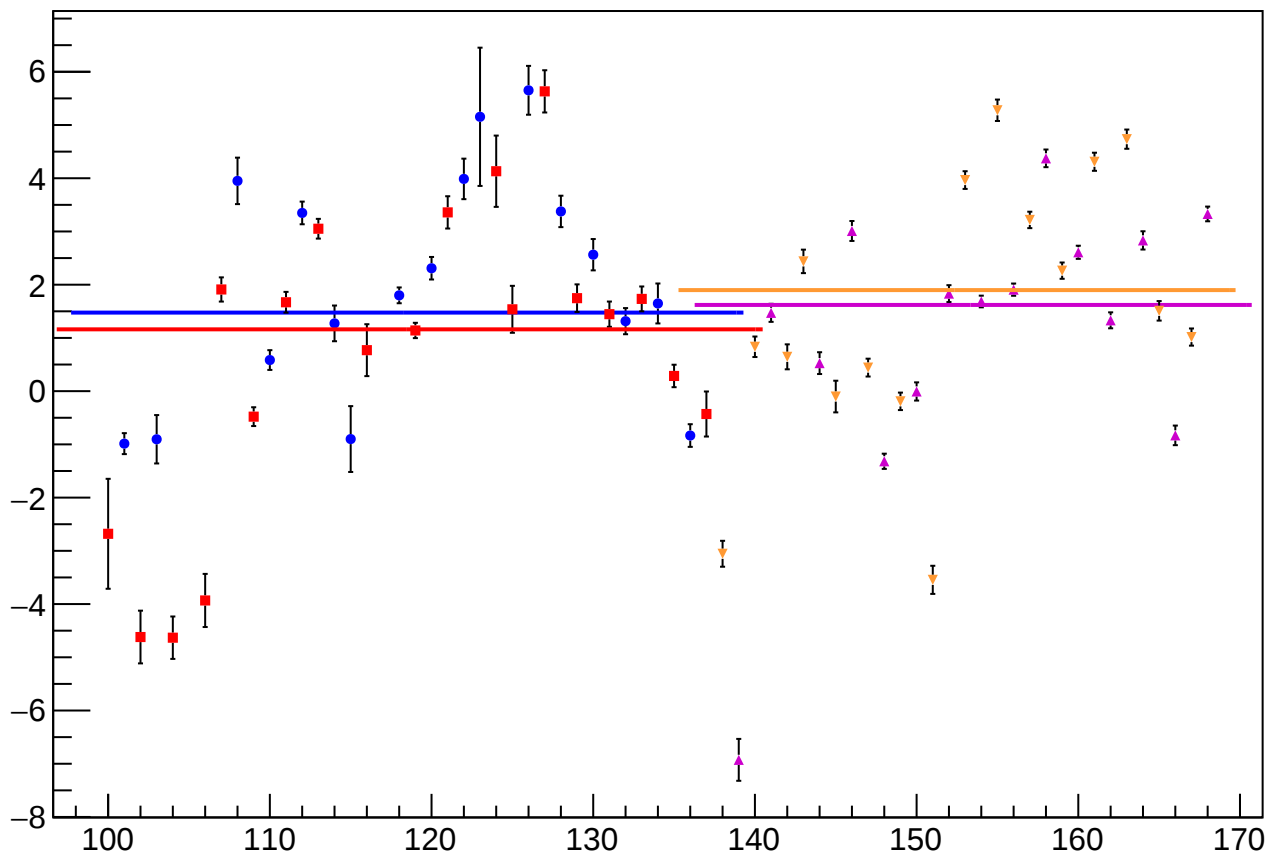
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.581+/-0.054 χ^2/NDF :36281.5/14

Out: -25.534+/-0.063 χ^2/NDF :55406.7/15

All: -22.105+/-0.041 χ^2/NDF : 96812.5/30

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 1.899 ± 0.047 χ^2/NDF : 2183.0/15

Right Out: 1.161 ± 0.060 χ^2/NDF : 917.9/18

Left In: 1.620 ± 0.040 χ^2/NDF : 1800.0/14

Left: 1.737 ± 0.030 χ^2/NDF : 4003.8/30

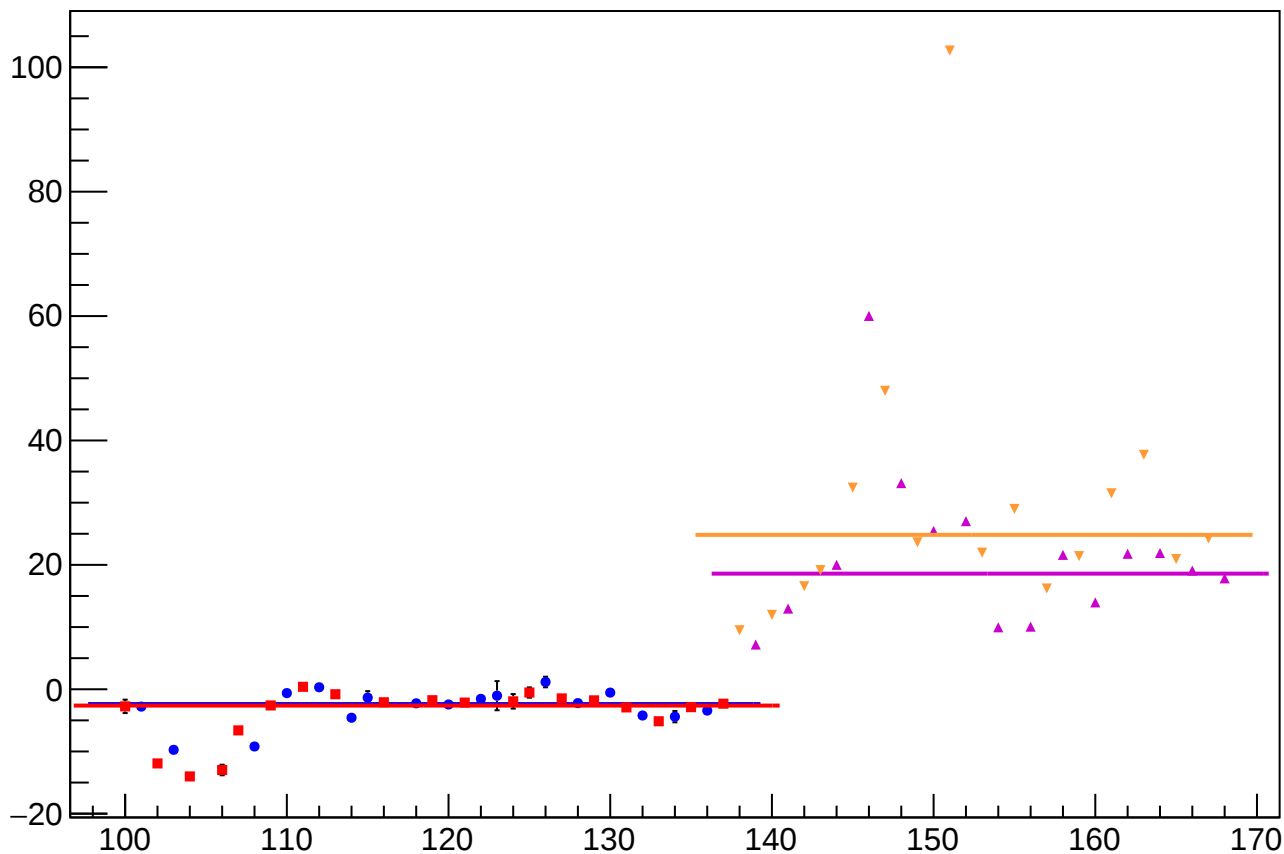
Right: 1.309 ± 0.044 χ^2/NDF : 1590.5/35

In: 1.580 ± 0.034 χ^2/NDF : 2463.4/31

Out: 1.621 ± 0.037 χ^2/NDF : 3195.1/34

All: 1.598 ± 0.025 χ^2/NDF : 5659.2/66

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: 24.827 ± 0.062 χ^2/NDF : 49625.0/15

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

Left In: 18.591 ± 0.052 χ^2/NDF : 34241.2/14

Left: 21.194 ± 0.040 χ^2/NDF : 89757.5/30

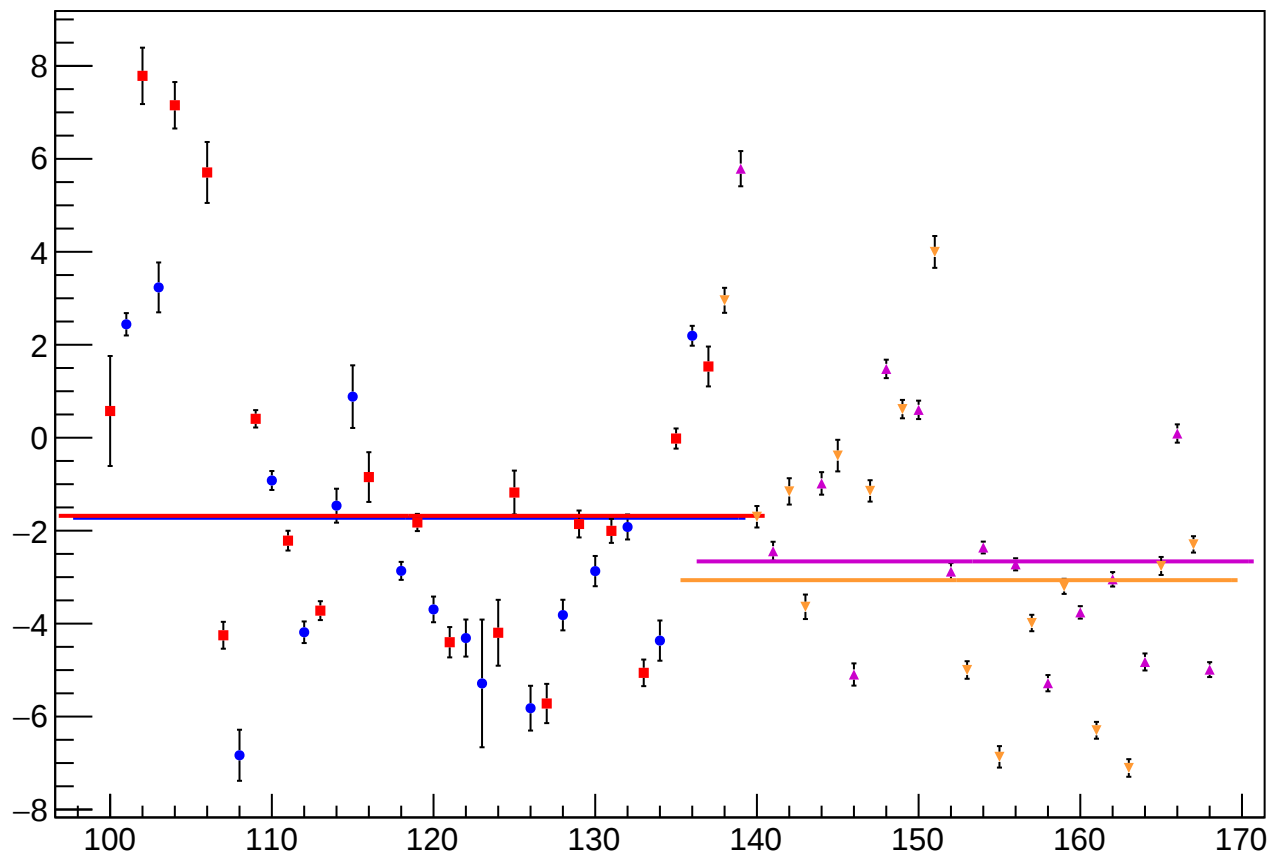
Right: -2.514 ± 0.077 χ^2/NDF : 1282.5/35

In: 14.978 ± 0.048 χ^2/NDF : 62190.6/31

Out: 17.550 ± 0.053 χ^2/NDF : 102402.3/34

All: 16.126 ± 0.036 χ^2/NDF : 165888.4/66

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -3.065 ± 0.053 χ^2/NDF : 2686.4/15

Right Out: -1.681 ± 0.068 χ^2/NDF : 1431.0/18

Left In: -2.661 ± 0.045 χ^2/NDF : 2206.8/14

Left: -2.831 ± 0.034 χ^2/NDF : 4926.8/30

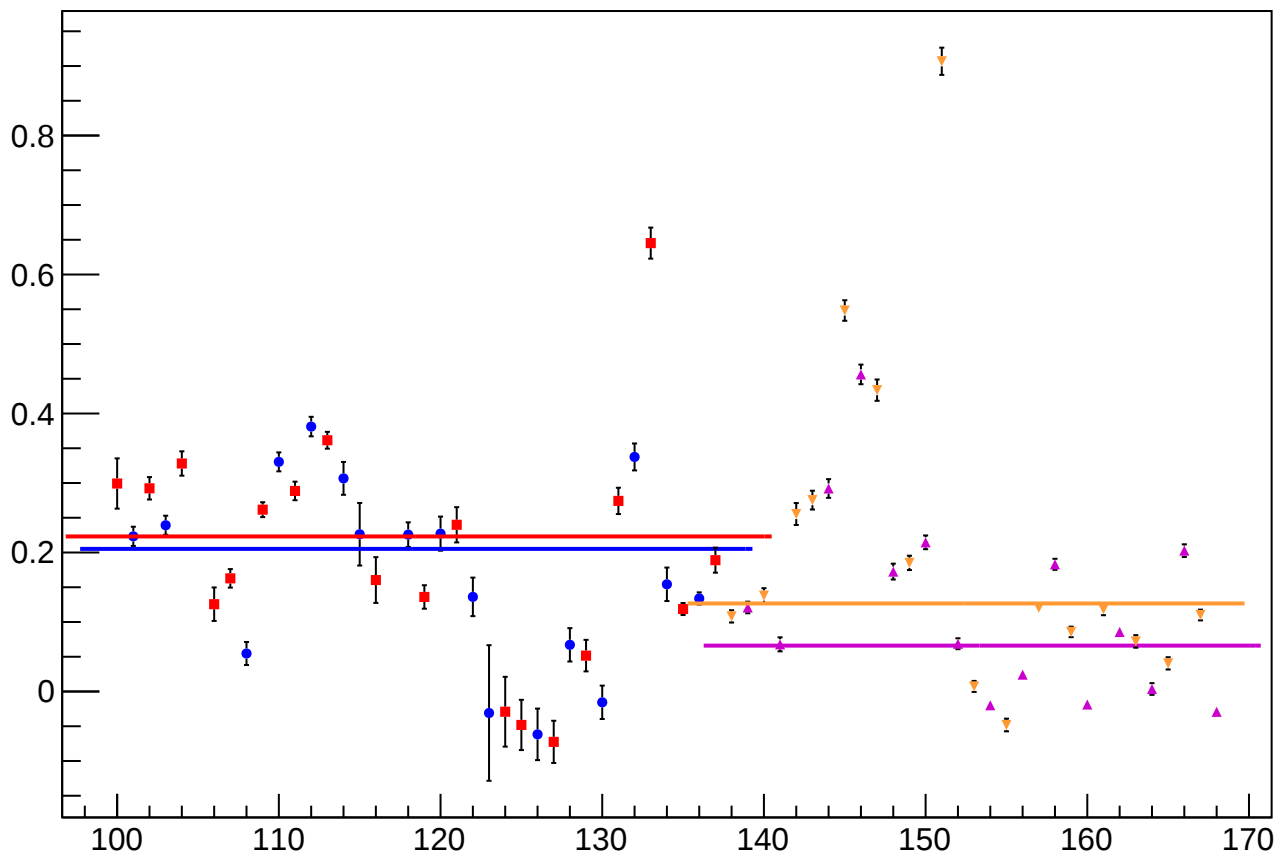
Right: -1.700 ± 0.050 χ^2/NDF : 2678.8/35

In: -2.402 ± 0.038 χ^2/NDF : 3573.9/31

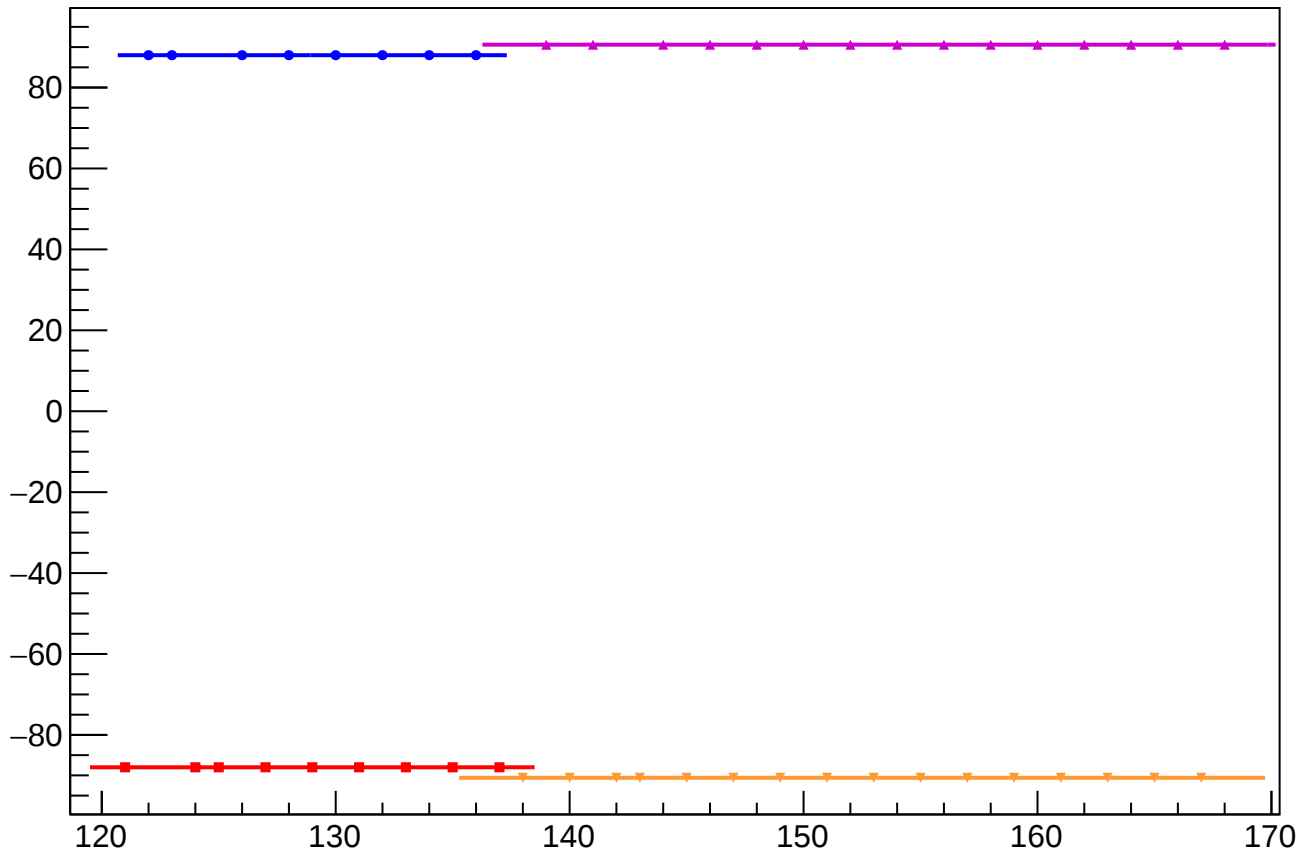
Out: -2.540 ± 0.042 χ^2/NDF : 4375.1/34

All: -2.465 ± 0.028 χ^2/NDF : 7954.9/66

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



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 : 5186438.6/15

Right Out: -88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: 90.599+/-0.000 χ^2/NDF : 4880890.7/14

Left: -0.926+/-0.000 χ^2/NDF : 20067030473961659

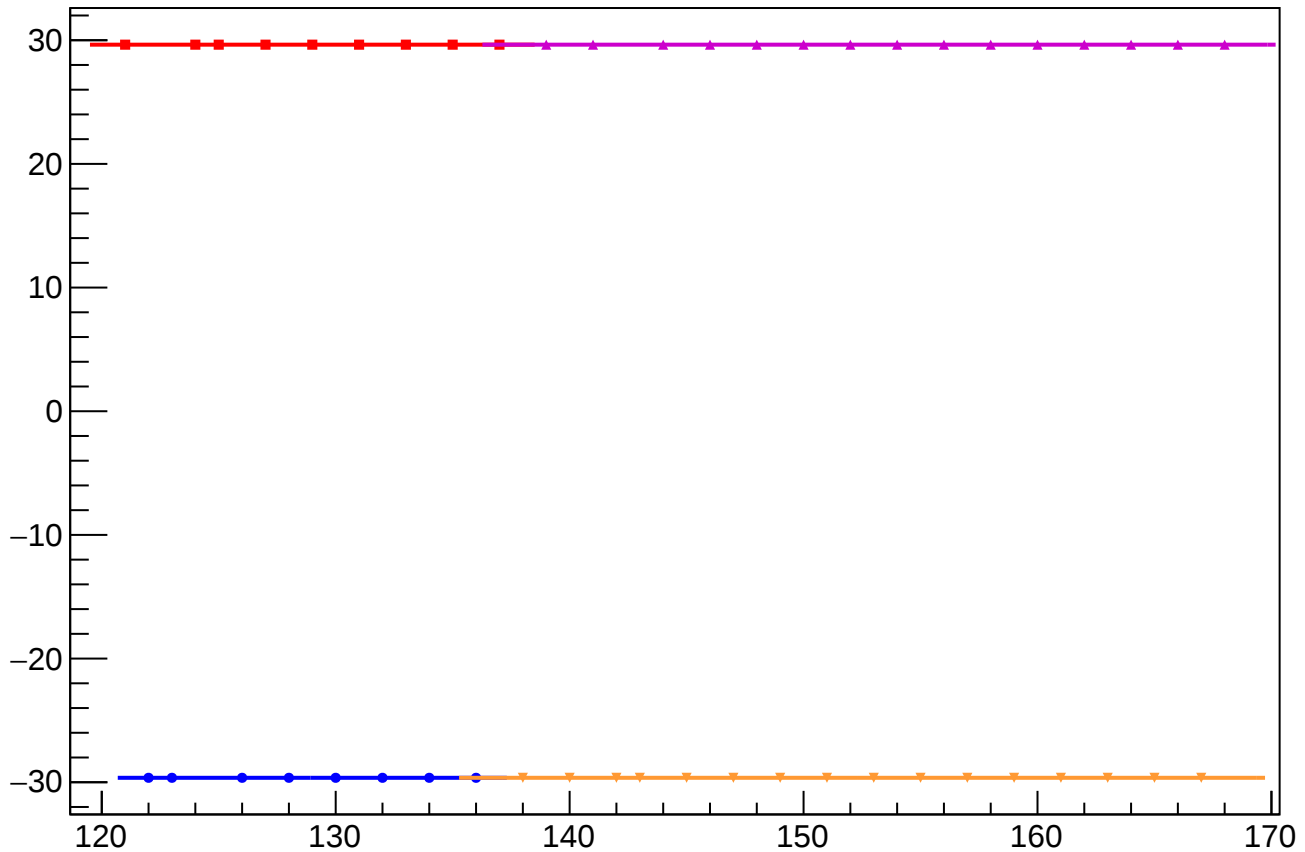
Right: 3.062+/-0.000 χ^2/NDF : 51126681569224617

In: 90.027+/-0.000 χ^2/NDF : 180051414922344035

Out: -90.066+/-0.000 χ^2/NDF : 1711919761916520

All: -0.078+/-0.000 χ^2/NDF : 2518797579762

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641 $\pm$ 0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641 $\pm$ 0.000 χ^2/NDF : 222383.0/15

Right Out: 29.641 $\pm$ 0.000 χ^2/NDF : 29358.2/8

Left In: 29.641 $\pm$ 0.000 χ^2/NDF : 123239.0/14

Left: -0.303 $\pm$ 0.000 χ^2/NDF : 21478822002040356

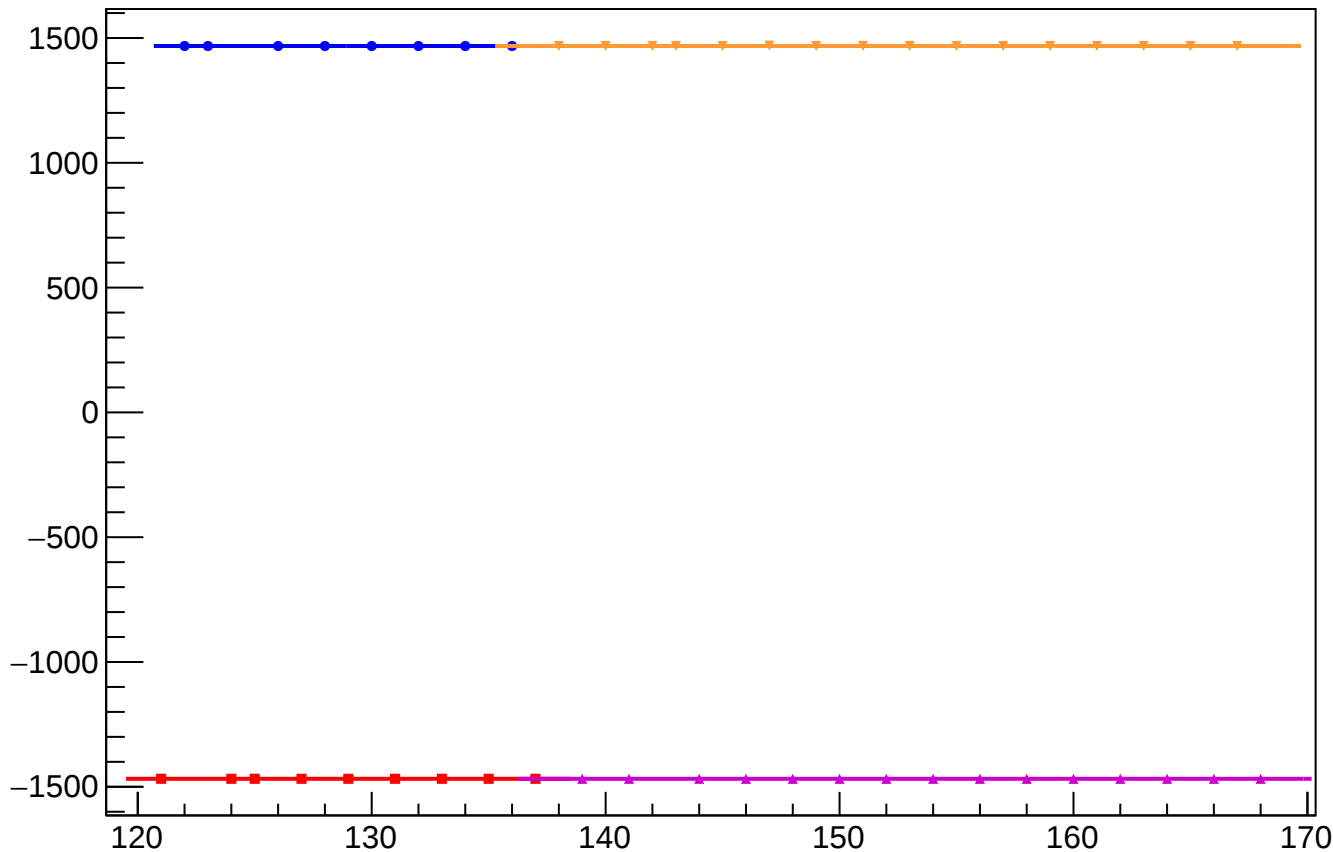
Right: -1.031 $\pm$ 0.000 χ^2/NDF : 5800324943766944

In: 16.577 $\pm$ 0.000 χ^2/NDF : 937037030441907551

Out: -17.472 $\pm$ 0.000 χ^2/NDF : 8909300772520607

All: -0.458 $\pm$ 0.000 χ^2/NDF : 2728190685633

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.074+/-0.000 χ^2/NDF : 125470203394978018145790261723136.0/15

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: -1467.991+/-0.000 χ^2/NDF : 117759999974497472880643670016.0/14

Left: 15.052+/-0.000 χ^2/NDF : 52687175825381070

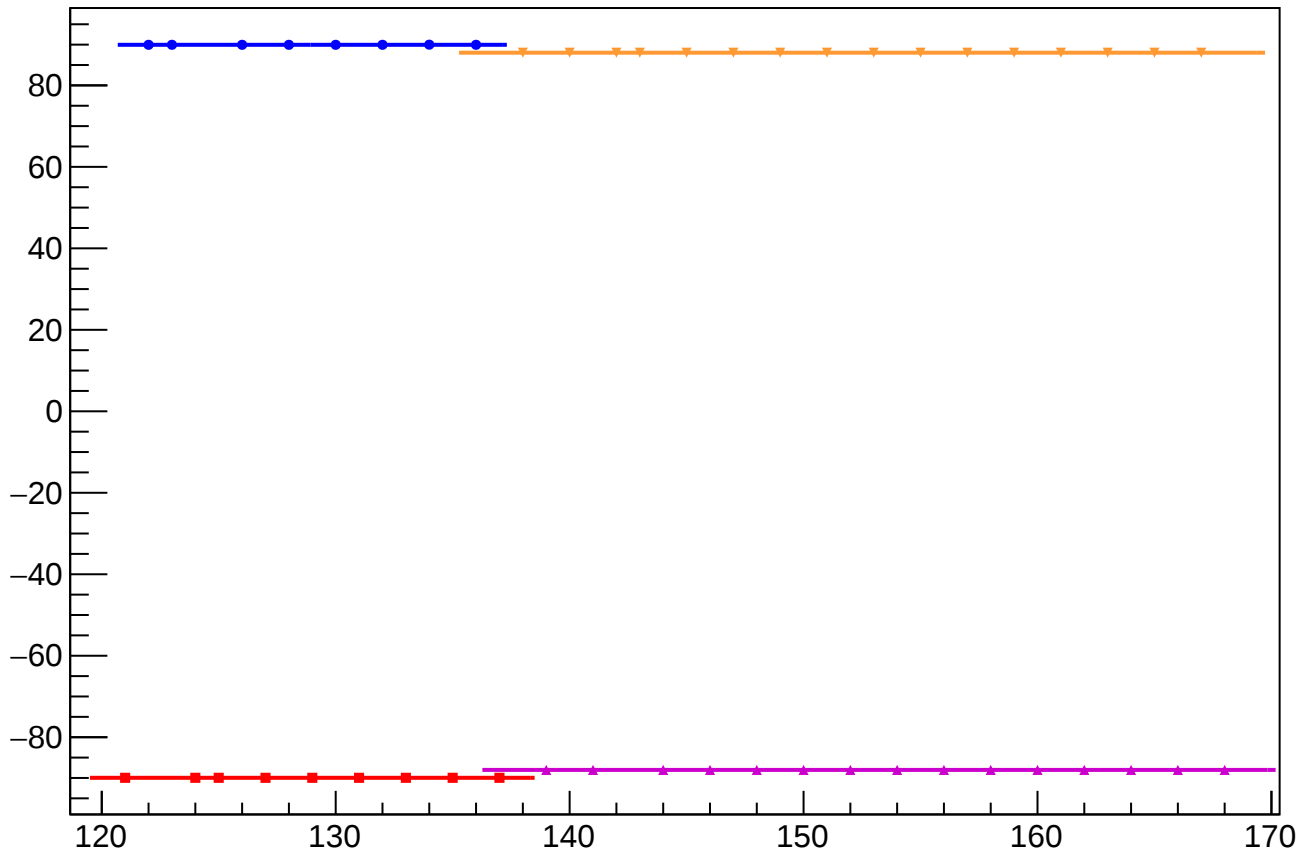
Right: 51.079+/-0.000 χ^2/NDF : 1422706063207371

In: -821.018+/-0.000 χ^2/NDF : 2298386461277821

Out: 865.371+/-0.000 χ^2/NDF : 2185418694096636

All: 22.719+/-0.000 χ^2/NDF : 6692099010734

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 : 4828989.9/15

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

Left In: -88.021+/-0.000 χ^2/NDF : 4526471.3/14

Left: 0.900+/-0.000 χ^2/NDF : 189410095350836150

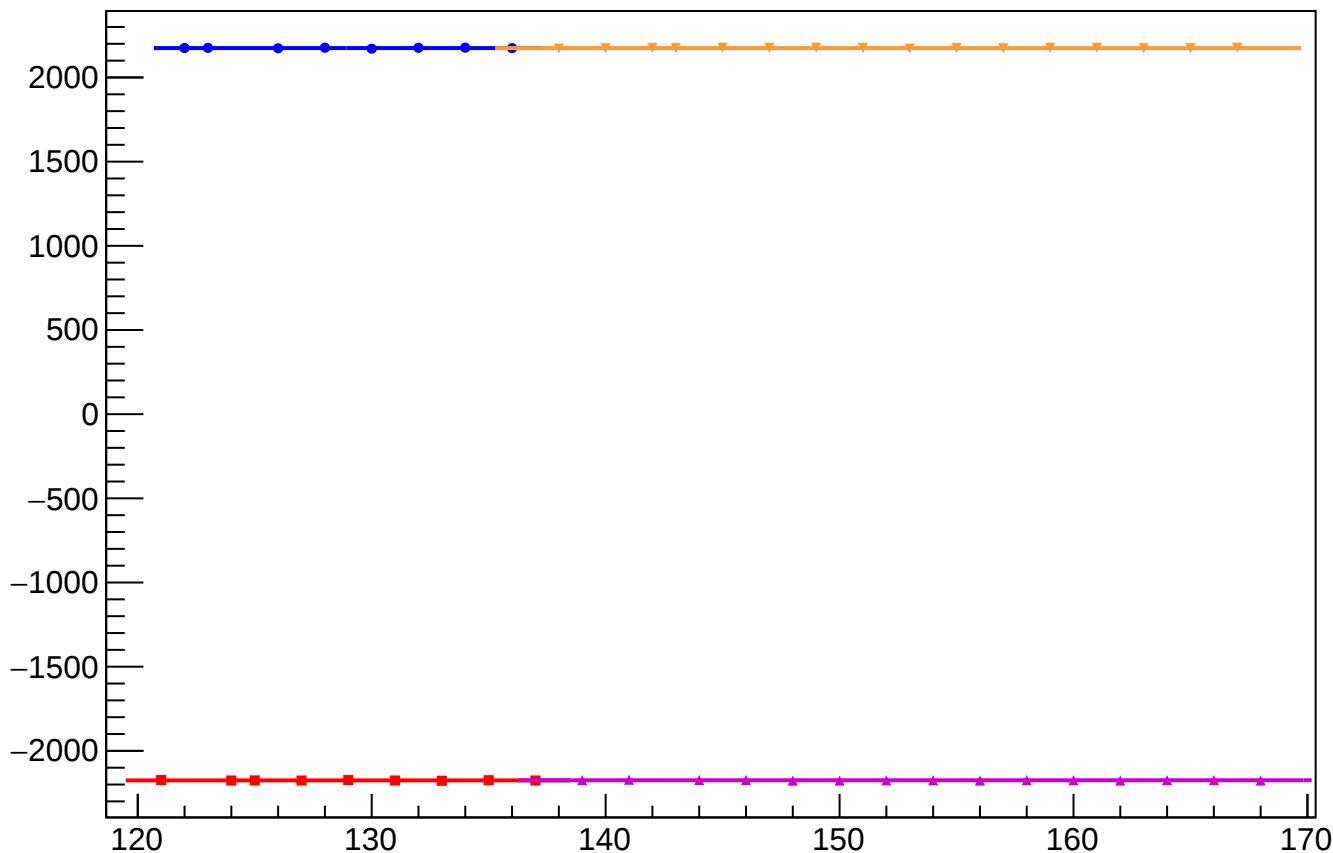
Right: 3.131+/-0.000 χ^2/NDF : 53429021948733419

In: -48.800+/-0.000 χ^2/NDF : 84464082533405935

Out: 51.486+/-0.000 χ^2/NDF : 80306191678159430

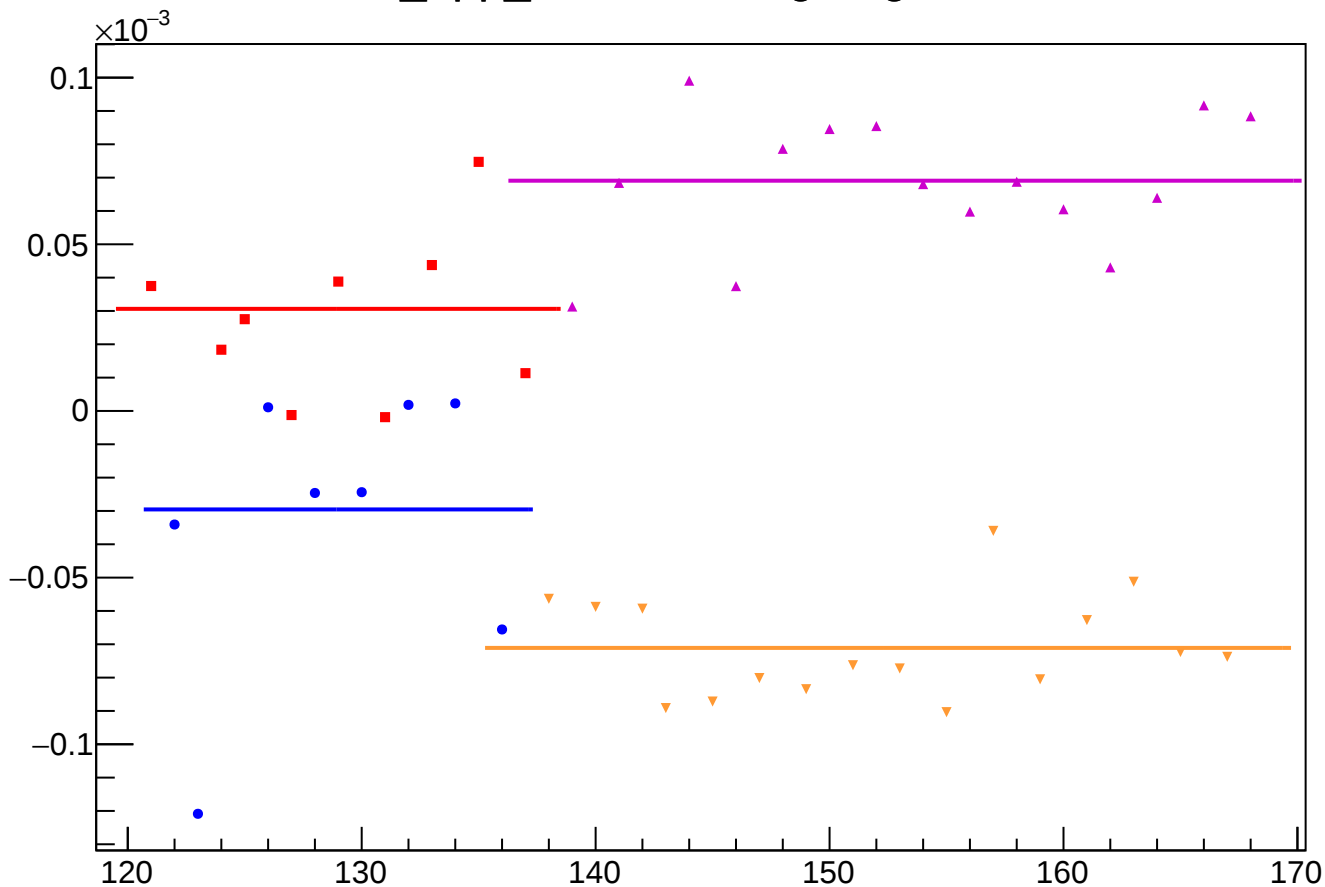
All: 1.375+/-0.000 χ^2/NDF : 24286502169655

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7
 Left Out: 2174.489+/-0.000 χ^2/NDF : 3742978148608182286926575996764160.0/15
 Right Out: -2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8
 Left In: -2174.682+/-0.000 χ^2/NDF : 2600148396024958156653200702177280.0/14
 All: 33.441+/-0.000 χ^2/NDF : 1468541538073

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 : 12733319580801686

Right: -0.000+/-0.000

χ^2/NDF : 1044577663810456

Left Out: -0.000+/-0.000

χ^2/NDF : 277553341491660030214144.0/15

In: 0.000+/-0.000

χ^2/NDF : 3291654723759639306

Right Out: 0.000+/-0.000

χ^2/NDF : 196732771178766734983168.0/8

Out: -0.000+/-0.000

χ^2/NDF : 30974429606717638

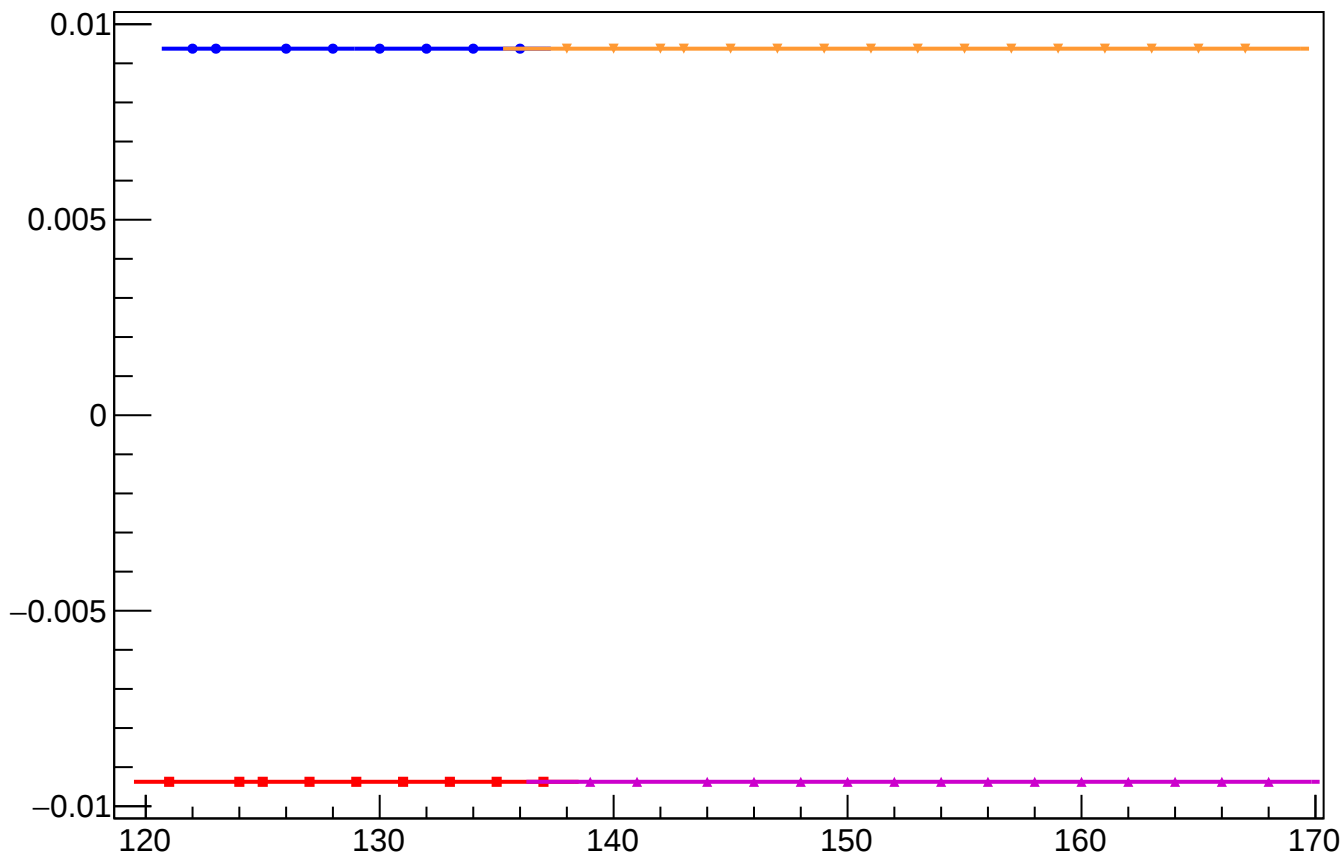
Left In: 0.000+/-0.000

χ^2/NDF : 448106025940792540921856.0/14

All: -0.000+/-0.000

χ^2/NDF : 1377867035274

MQ171LM_mean vs Slug, Sign Corrected



Left: 0.000 ± 0.000 $\chi^2/\text{NDF}: 214870111196318422$

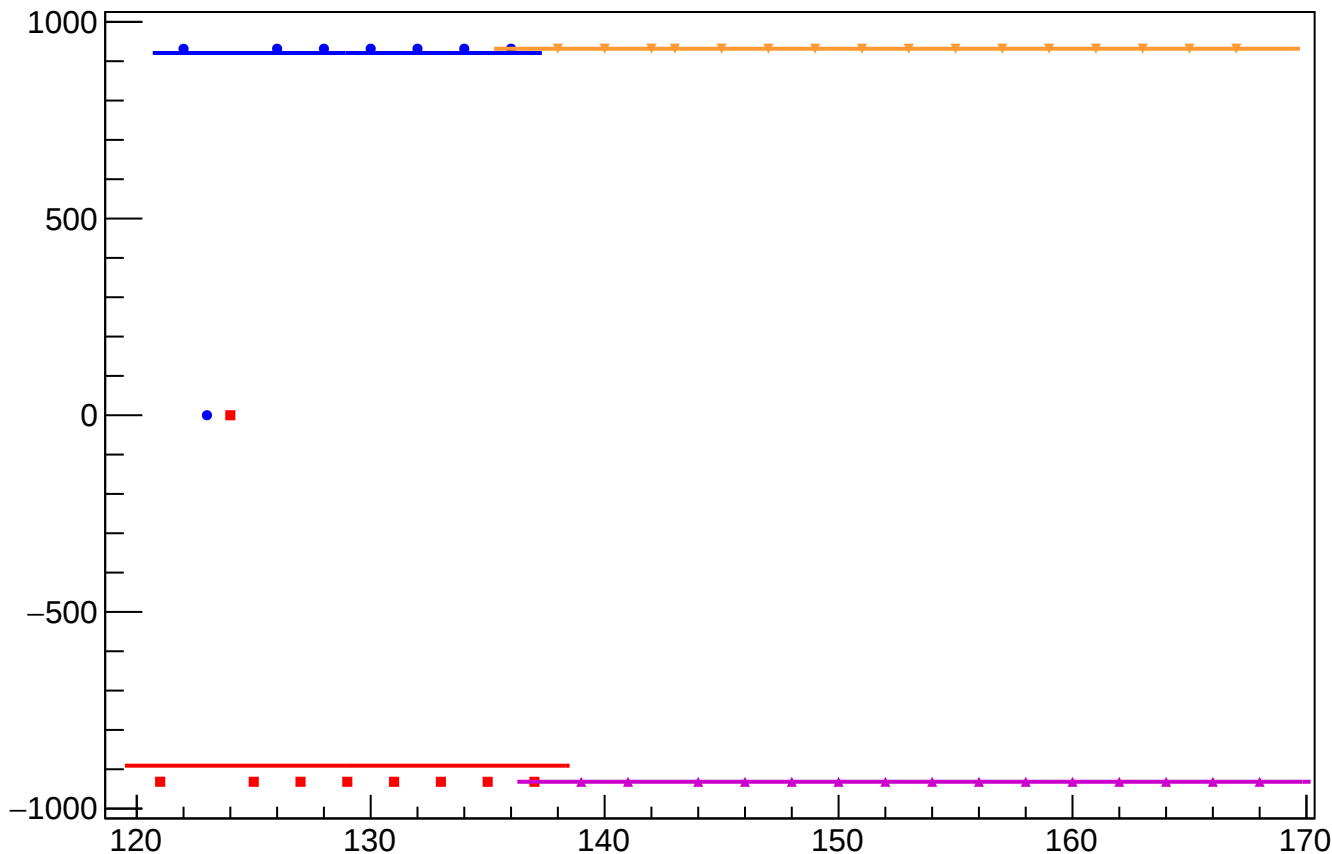
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 58025364031769994$

In: -0.005 ± 0.000 $\chi^2/\text{NDF}: 937394289626286413$

Out: 0.006 ± 0.000 $\chi^2/\text{NDF}: 891269757480693003$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 27292308485592$

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 929.898+/-0.000

χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.785+/-0.000

χ^2/NDF : 3832316401939793798002317983744.0/15

Right Out: -890.923+/-0.000

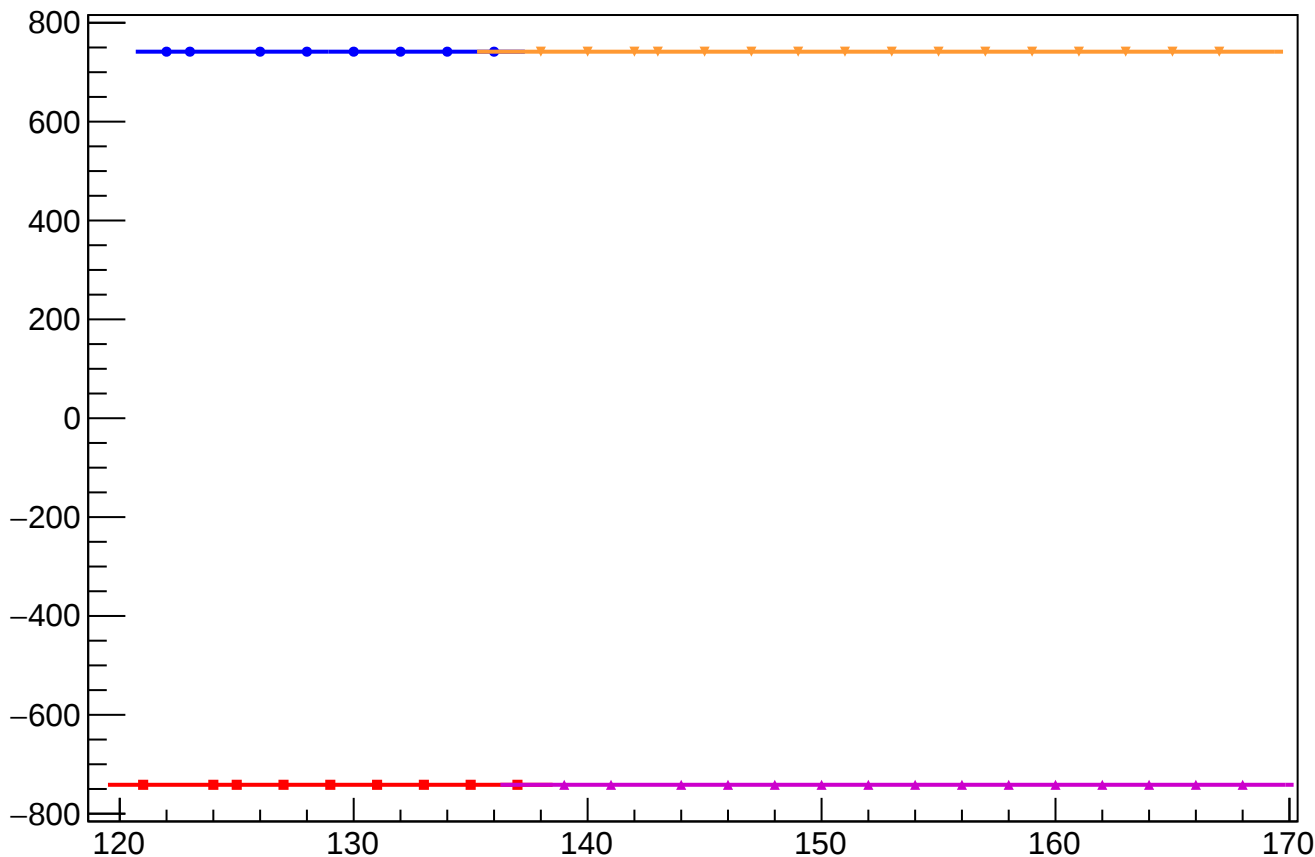
χ^2/NDF : 11621671430114409722932854398744788992.0/8

Left In: -931.773+/-0.000

χ^2/NDF : 3371738380691987273822758764544.0/14

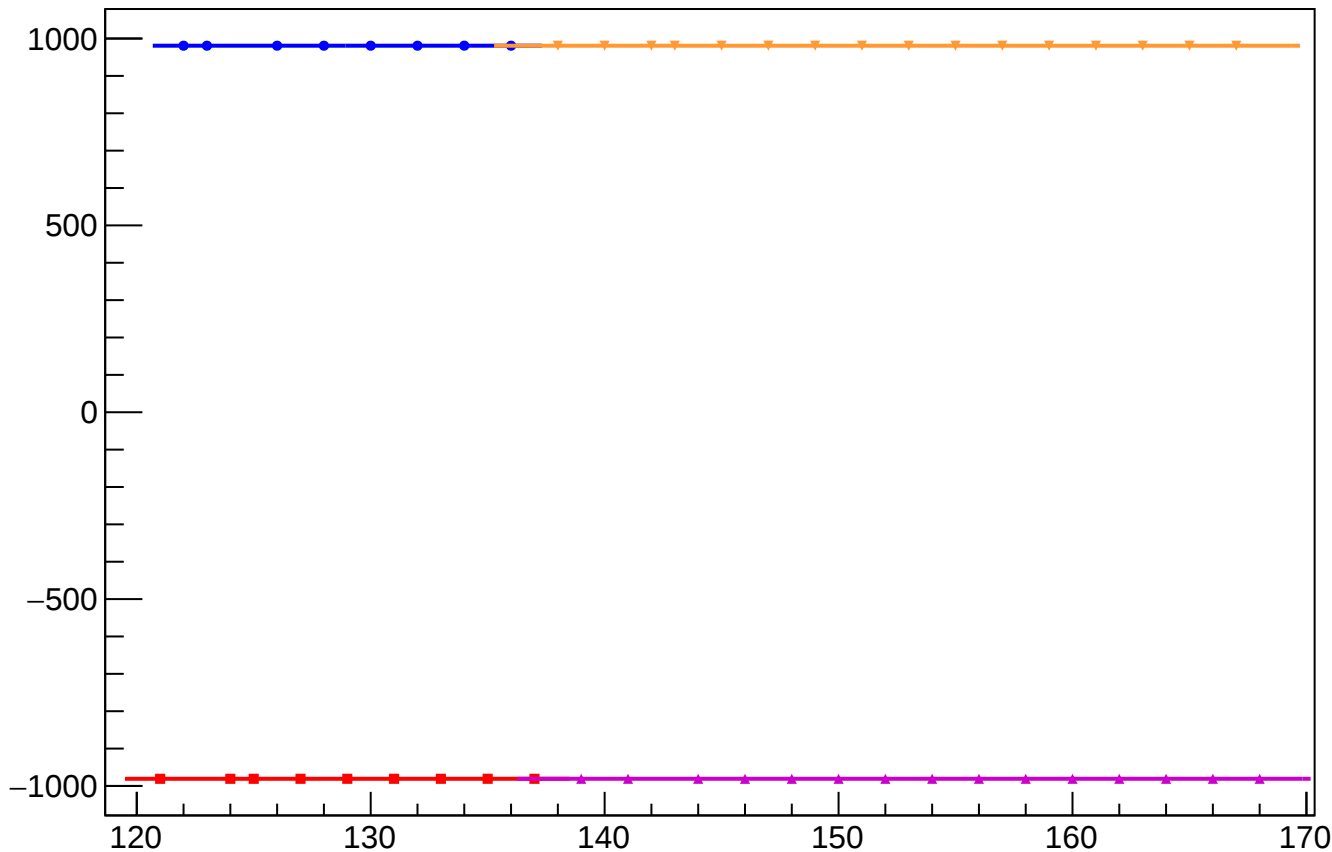
All: 17.402+/-0.000 χ^2/NDF : 2680130858756

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



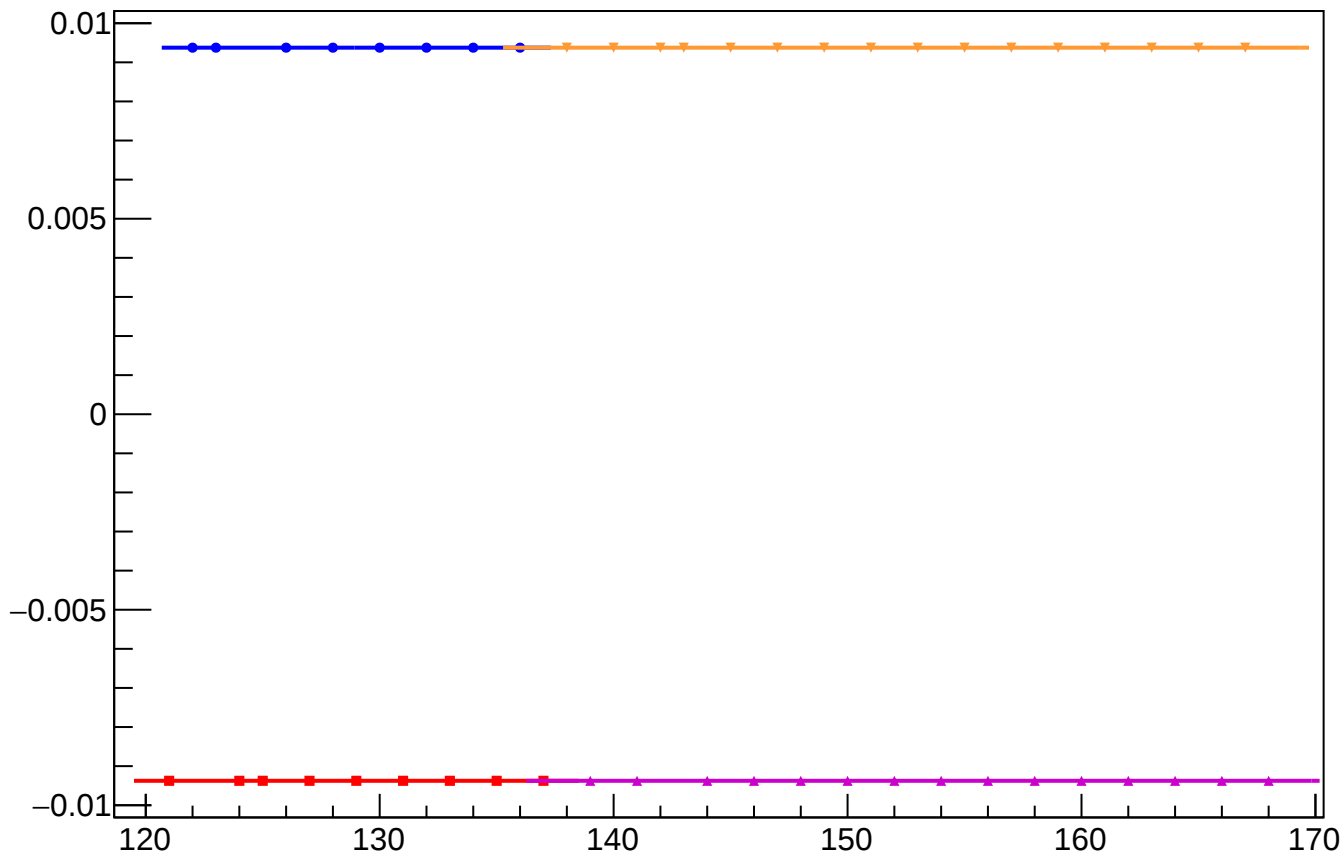
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7
 Left Out: 741.515+/-0.000 χ^2/NDF : 161218452380940323567437873152.0/15
 Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8
 Left In: -741.514+/-0.000 χ^2/NDF : 144270149111819425392409706496.0/14
 All: 11.459+/-0.000 χ^2/NDF : 1707420602214

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825 +/- 0.000 χ^2/NDF : 159345321268745350954763681792.0/7
 Left Out: 980.770 +/- 0.000 χ^2/NDF : 600390519486627365971103318016.0/15
 Right Out: -980.818 +/- 0.000 χ^2/NDF : 143689912167528137563261894656.0/8
 Left In: -980.779 +/- 0.000 χ^2/NDF : 1246153781645057674043472216064.0/14
 All: 15.155 +/- 0.000 χ^2/NDF : 2987067178379

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/15

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.0/14

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 214870111196318422

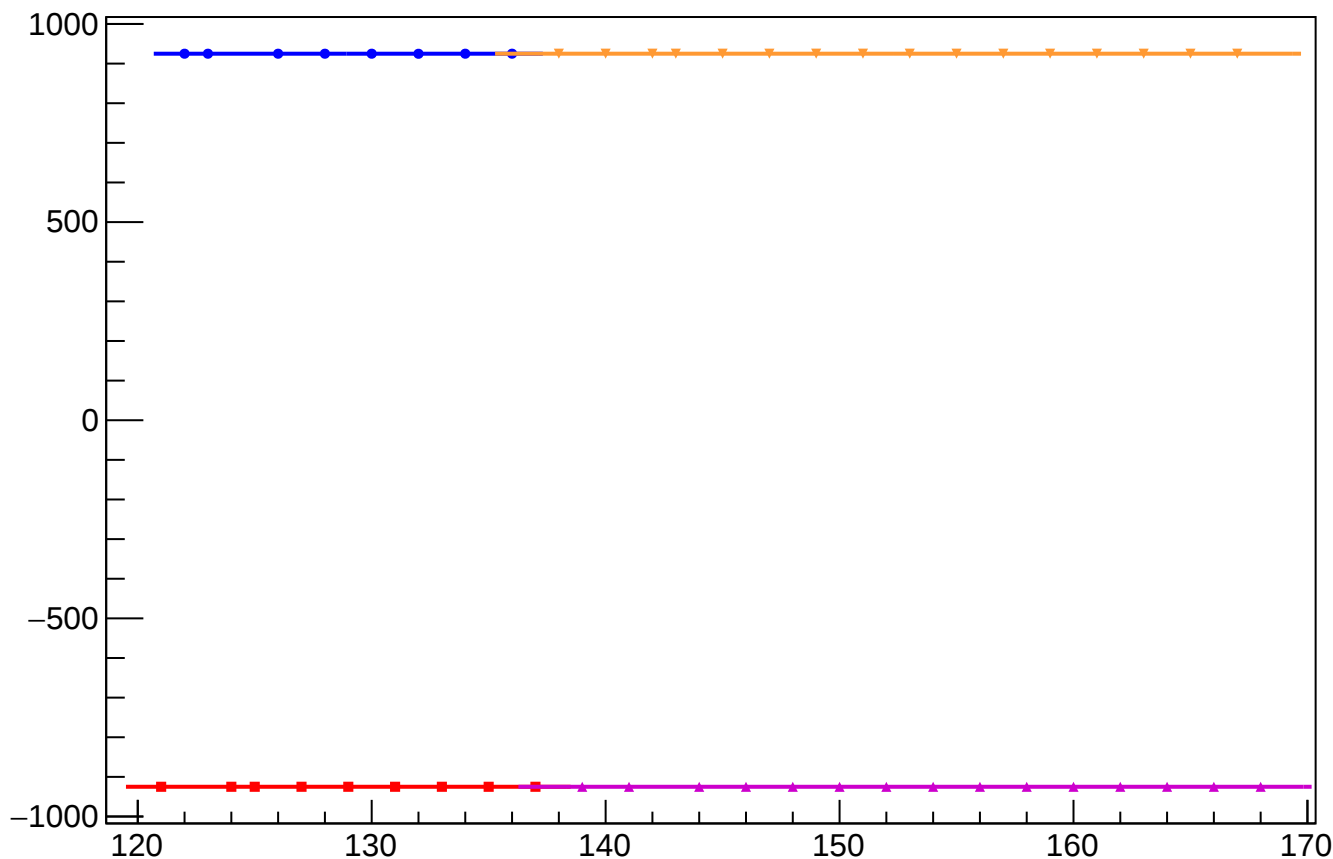
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.005 $\pm$ 0.000 χ^2 /NDF:937394289626286413

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:891269757480693003

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 27292308485592

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939+/-0.000

χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.985+/-0.000

χ^2/NDF : 801076965940092187828589428736.0/15

Right Out: -924.957+/-0.000

χ^2/NDF : 71808709366506786060310151168.0/8

Left In: -924.987+/-0.000

χ^2/NDF : 679422845413471251544261263360.0/14

Left: 9.457+/-0.000 χ^2/NDF : 209172219217532414

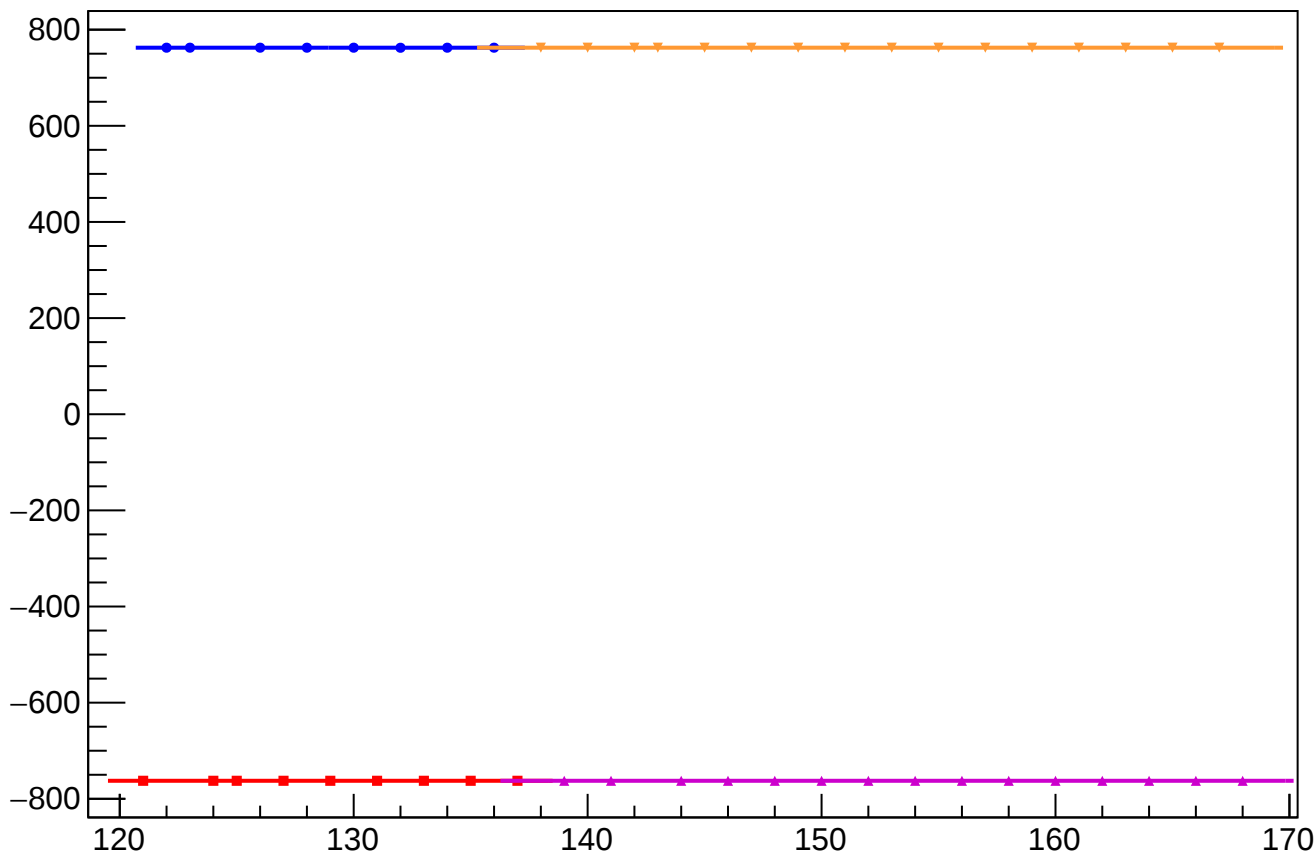
Right: 32.175+/-0.000 χ^2/NDF : 5648201825061875

In: -517.336+/-0.000 χ^2/NDF : 9124912635003053

Out: 545.235+/-0.000 χ^2/NDF : 8676070807099875

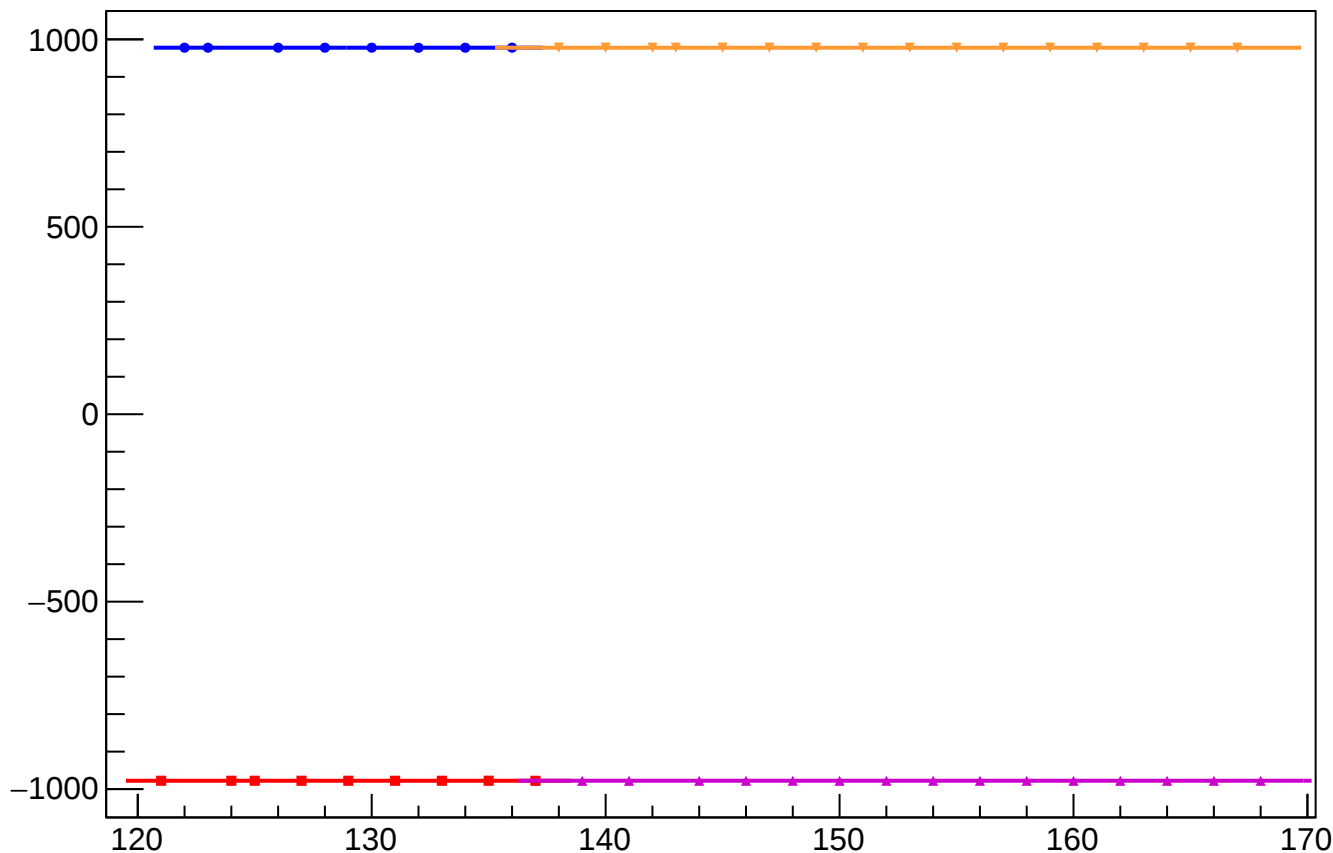
All: 14.292+/-0.000 χ^2/NDF : 2656810929206

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



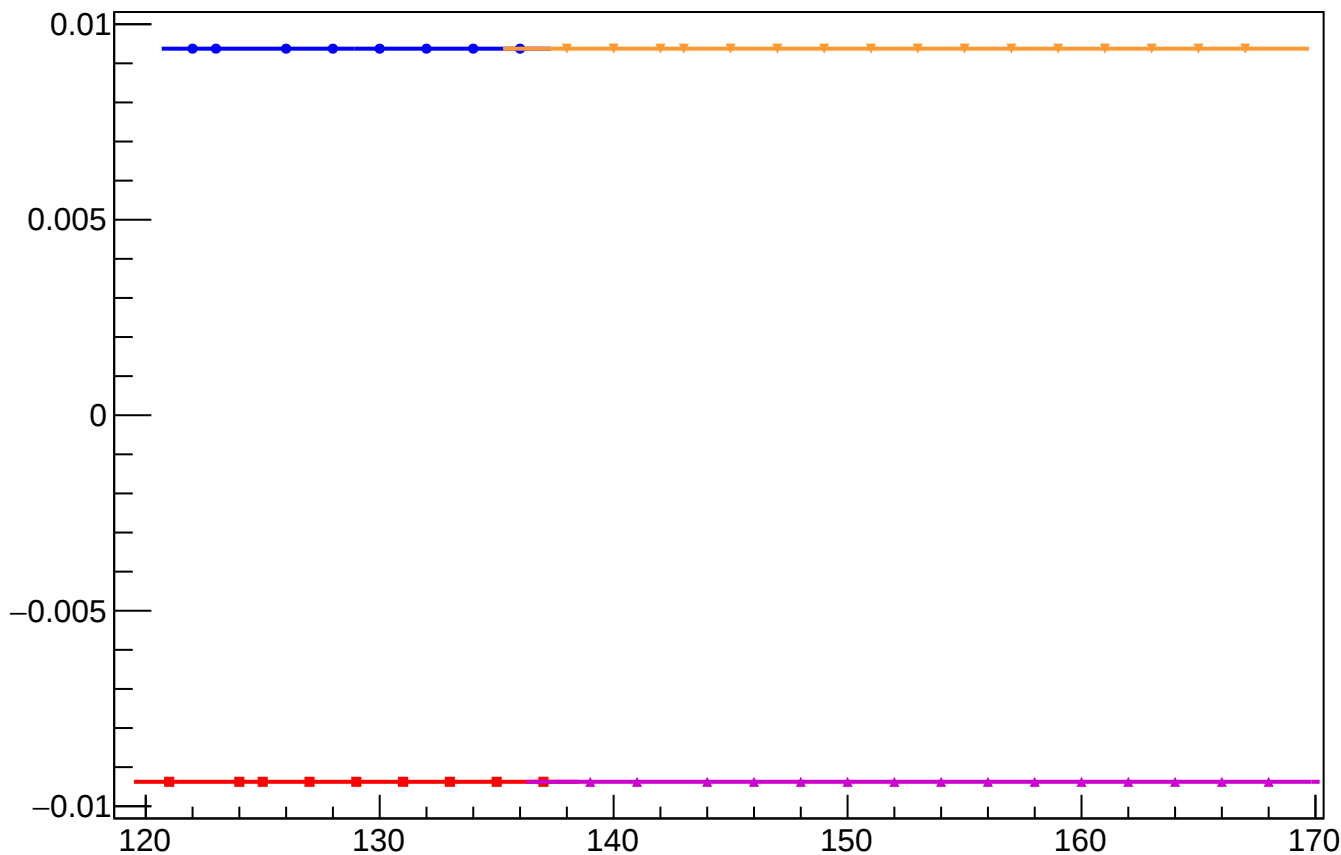
Right In: 762.484+/-0.000	χ^2/NDF : 784430761251084401798891438080.0/7	Left: 7.796+/-0.000	χ^2/NDF : 142142491172175428
Left Out: 762.509+/-0.000	χ^2/NDF : 37625471884585888797694984192.0/15	Right: 26.523+/-0.000	χ^2/NDF : 3838365691051738
Right Out: -762.501+/-0.000	χ^2/NDF : 469794702848036819563446272.0/8	In: -426.461+/-0.000	χ^2/NDF : 6200916791013431
Left In: -762.510+/-0.000	χ^2/NDF : 340998390986270881553072521216.0/14	Out: 449.460+/-0.000	χ^2/NDF : 5895925120207969
		All: 11.781+/-0.000	χ^2/NDF : 1805443957290

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741 $\pm$ 0.000 χ^2/NDF : 1738104571804792841781326643200.0/7
 Left Out: 977.742 $\pm$ 0.000 χ^2/NDF : 1032960762512231065759718047744.0/15
 Right Out: -977.737 $\pm$ 0.000 χ^2/NDF : 772313054358211830610902646784.0/8
 Left In: -977.738 $\pm$ 0.000 χ^2/NDF : 903508853928239168039539441664.0/14
 All: 15.112 $\pm$ 0.000 χ^2/NDF : 2968548569548.0/10

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:0.0/15

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.0/14

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 214870111196318422

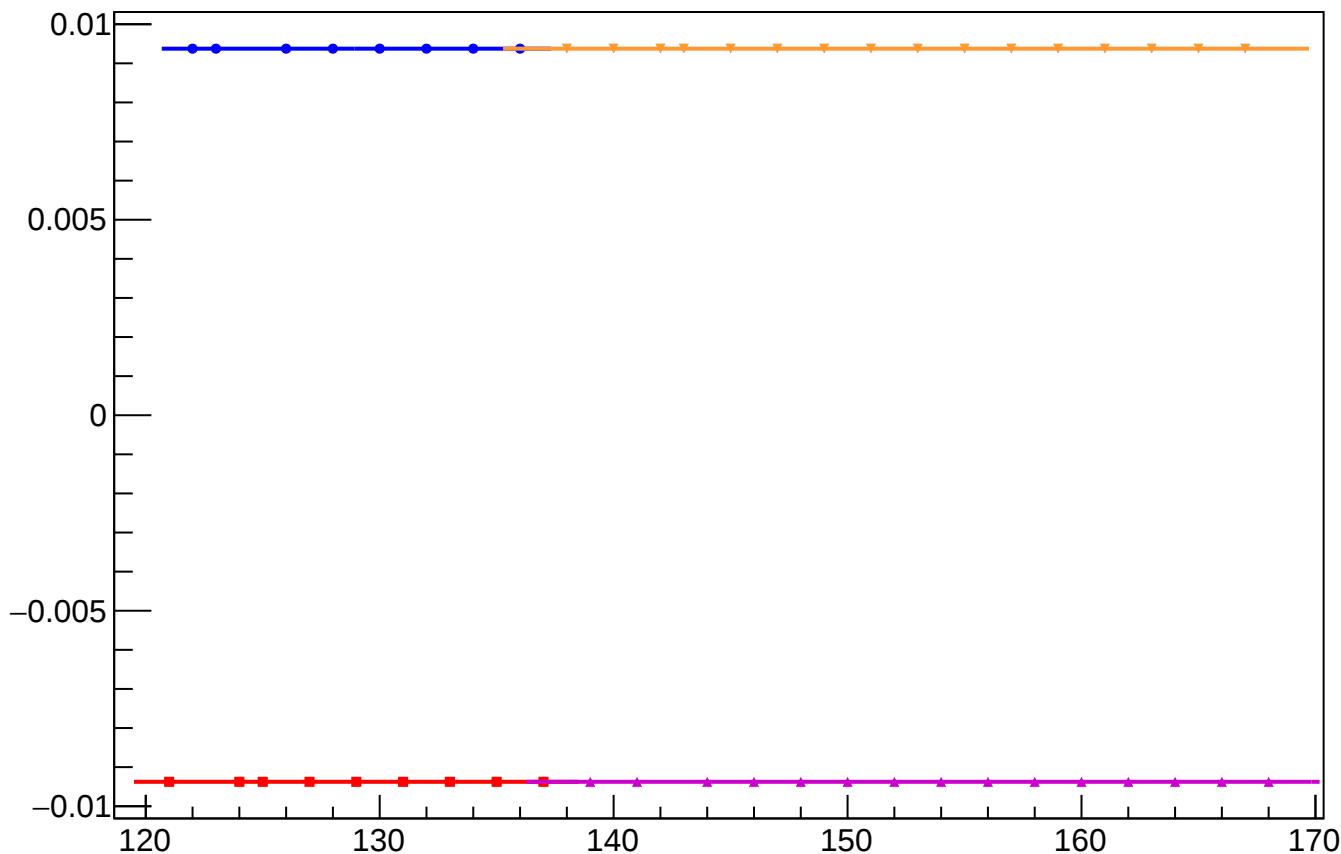
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.005 $\pm$ 0.000 χ^2 /NDF:937394289626286413

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:891269757480693003

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 27292308485592

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: 0.0/15

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/14

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 214870111196318422

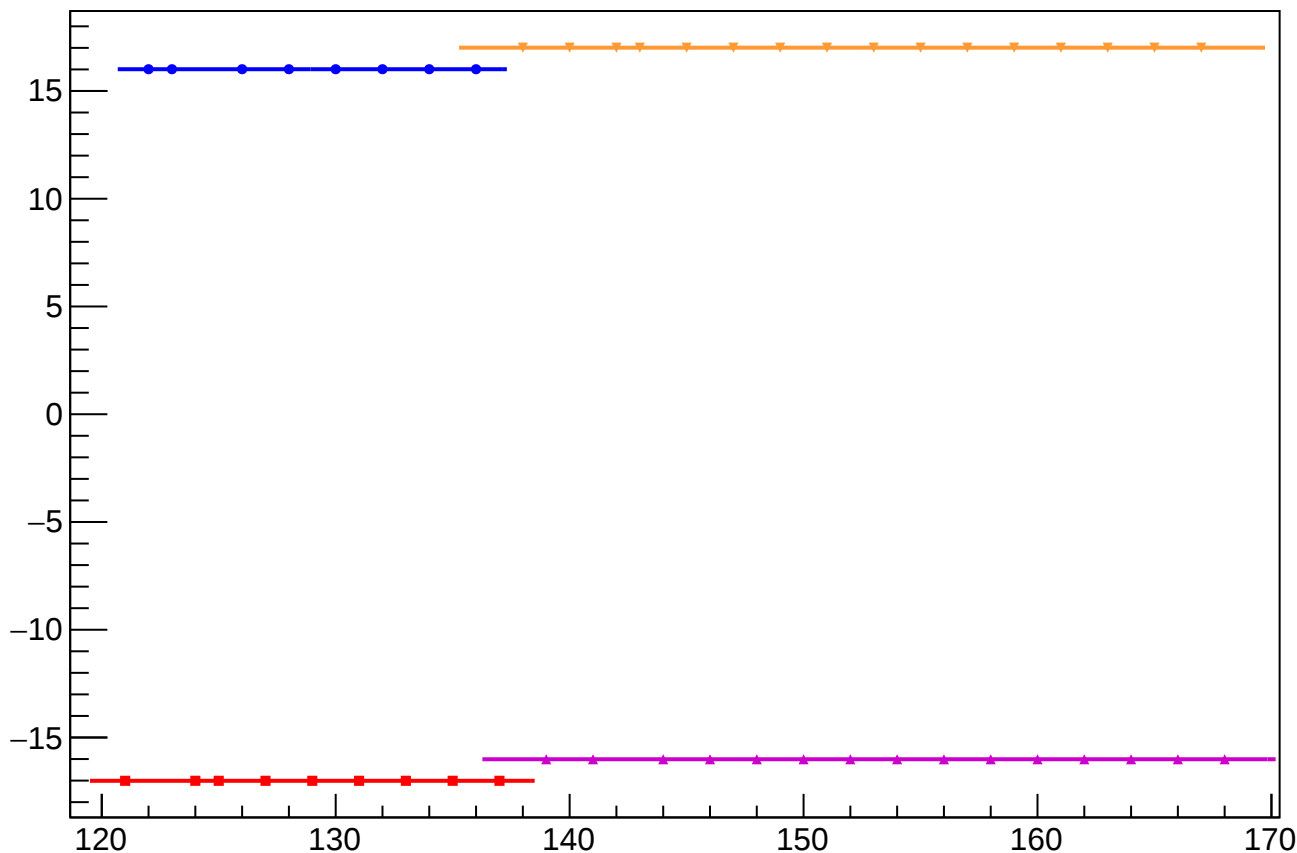
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.005 $\pm$ 0.000 χ^2 /NDF: 937394289626286413

Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 891269757480693003

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 27292308485592

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 17912190419353891478962176.0/15

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 53819.2/14

Left: 0.551+/-0.000 χ^2/NDF : 615155287243222254

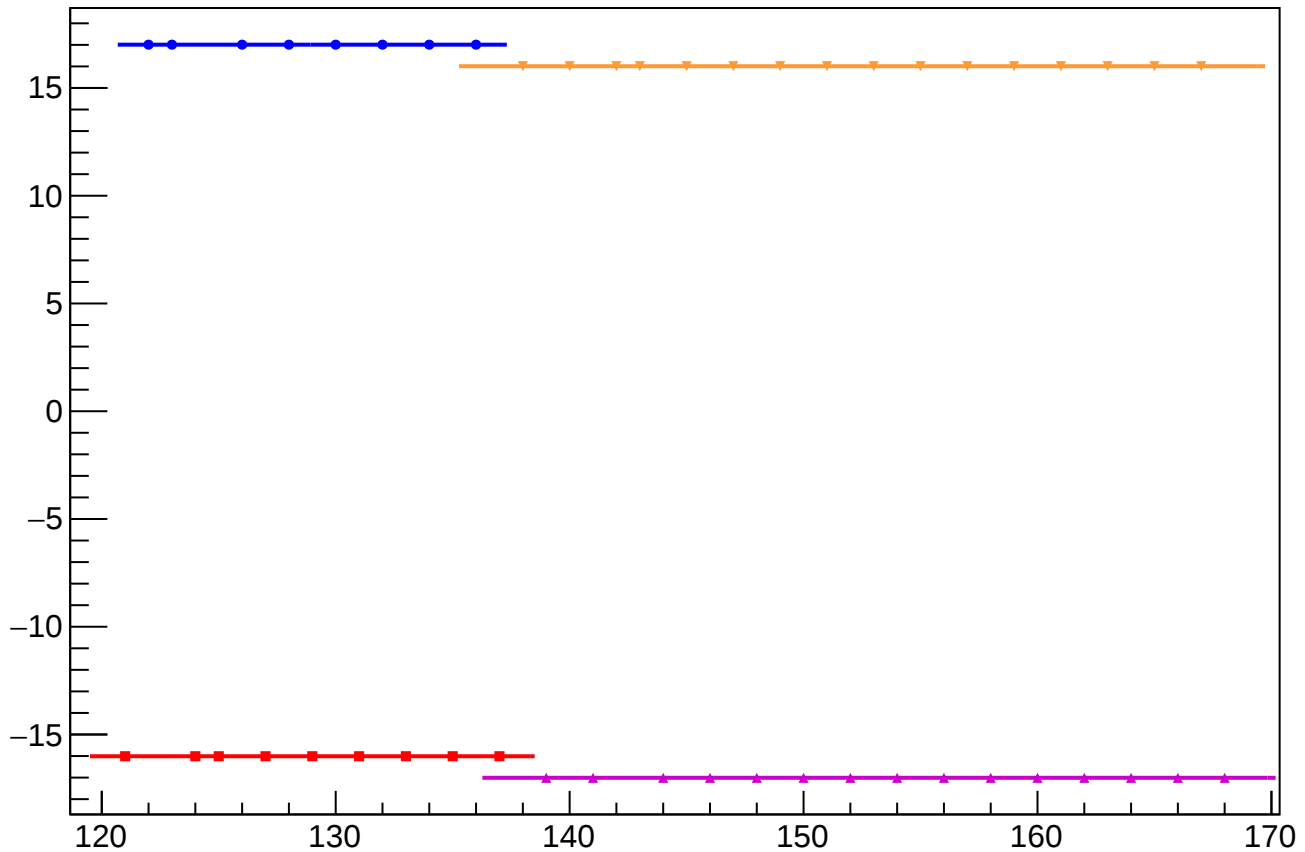
Right: -0.126+/-0.000 χ^2/NDF : 1683539334964133

In: -8.988+/-0.000 χ^2/NDF : 252920697418785100

Out: 9.845+/-0.000 χ^2/NDF : 275888575119244193

All: 0.406+/-0.000 χ^2/NDF : 78373162464265

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 : 50007.5/15

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: -17.009+/-0.000 χ^2/NDF : 43015.0/14

Left: -0.247+/-0.000 χ^2/NDF : 65862184286386138

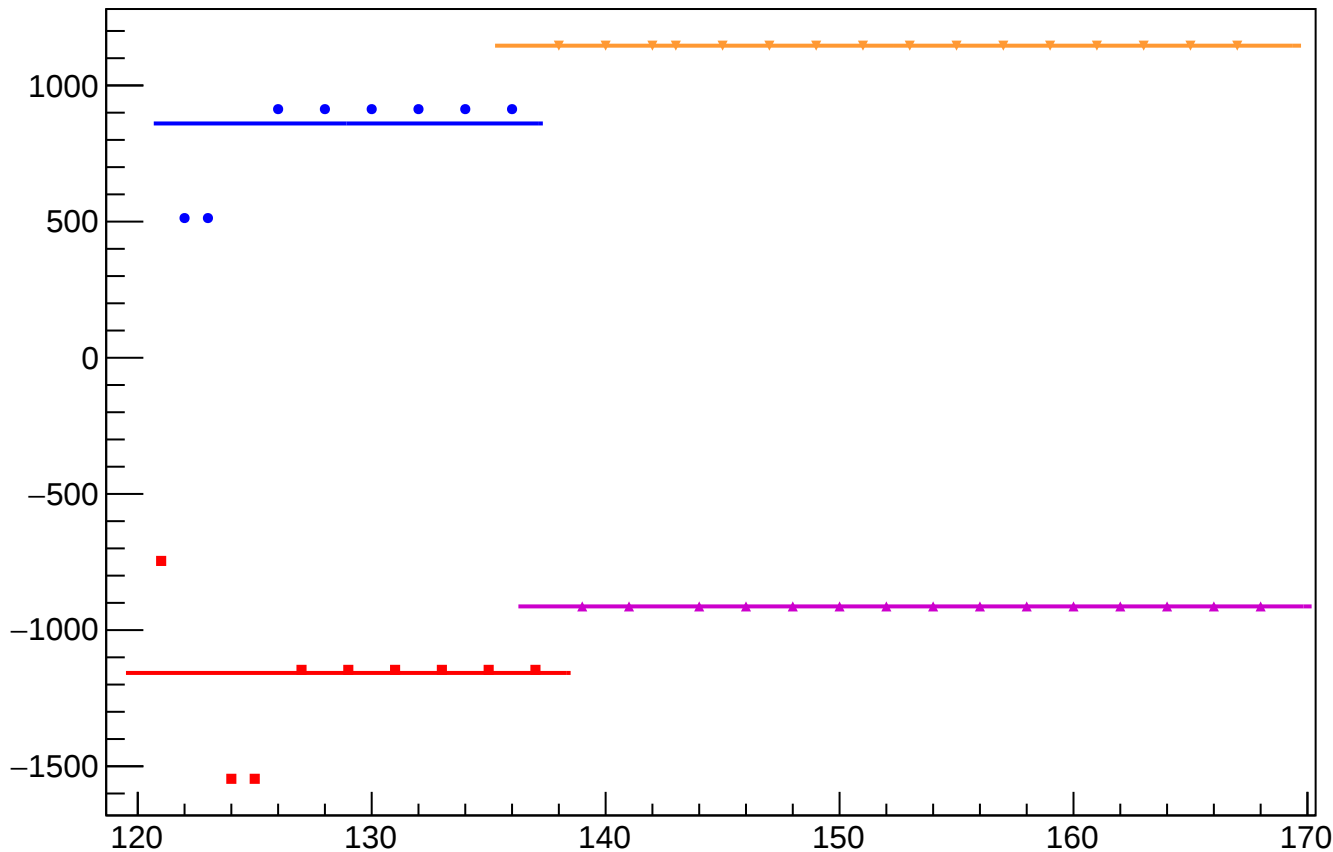
Right: 1.074+/-0.000 χ^2/NDF : 17994367493156690

In: -9.415+/-0.000 χ^2/NDF : 307433369829572870

Out: 9.403+/-0.000 χ^2/NDF : 259558049939284179

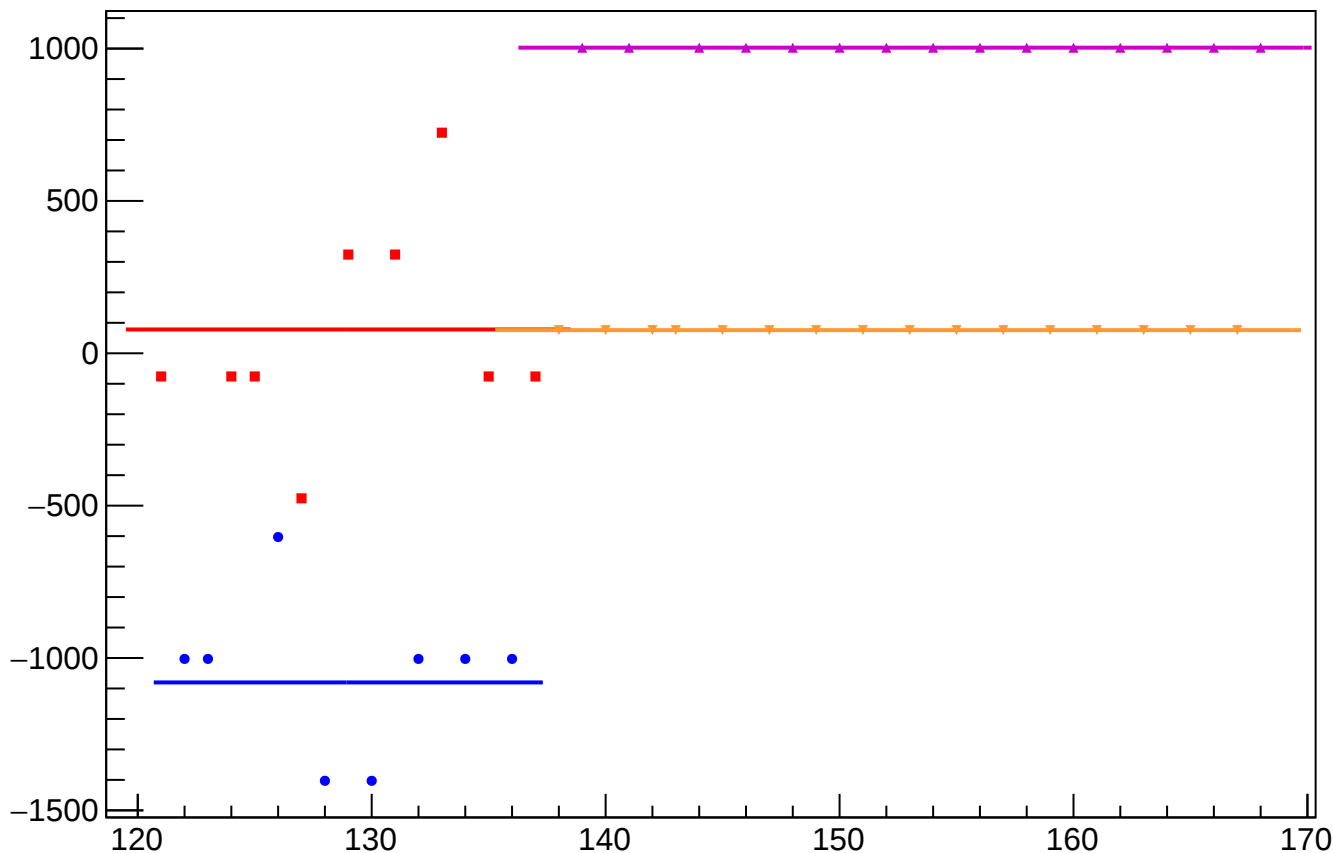
All: 0.037+/-0.000 χ^2/NDF : 83947227911525

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 : 4119514676460171899405598720.0/15
 Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8
 Left In: -912.995+/-0.000 χ^2/NDF : 18137753536374057576167374848.0/14
 All: 75.875+/-0.000 χ^2/NDF : 3313236829004

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000

χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000

χ^2/NDF : 9584085916479183929351340032.0/15

Right Out: 78.224+/-0.000

χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.990+/-0.000

χ^2/NDF : 1857923948603316949095546880.0/14

Left: 534.761+/-0.000 χ^2/NDF : 5251854331860911

Right: -521.133+/-0.000 χ^2/NDF : 28273431193063

In: 543.940+/-0.000 χ^2/NDF : 11787389970270177

Out: 76.466+/-0.000 χ^2/NDF : 39612506799675925

All: 310.052+/-0.000 χ^2/NDF : 138804200662