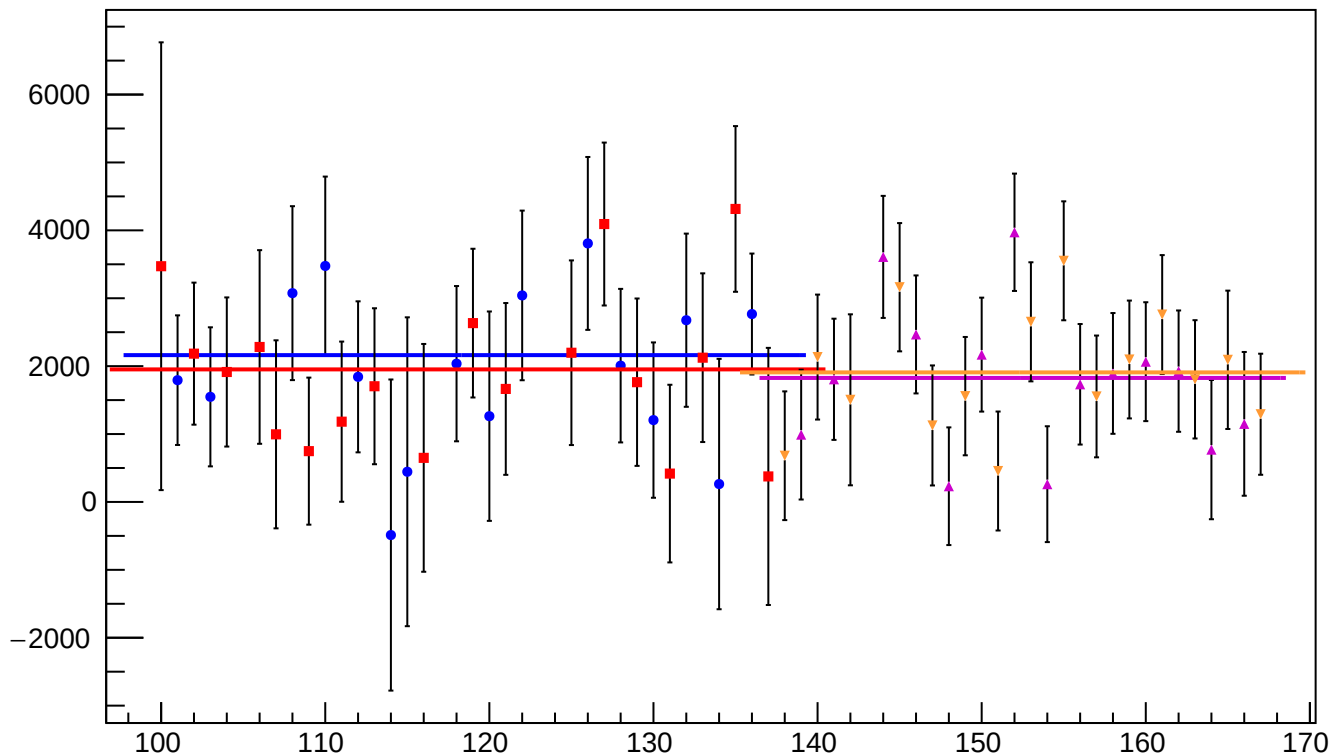


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

Left Out: 1908.064+/-235.950

Right Out: 1952.148+/-300.581

Left In: 1826.258+/-240.338

χ^2/NDF : 8.9/15

χ^2/NDF :13.2/14

χ^2/NDF : 12.6/17

χ^2/NDF :19.9/13

Left: 1867.915+/-168.372

Right: 2054.903+/-214.883

In: 1953.793+/-189.317

Out: 1924.872+/-185.598

All: 1939.045+/-132.533

χ^2/NDF : 33.2/28

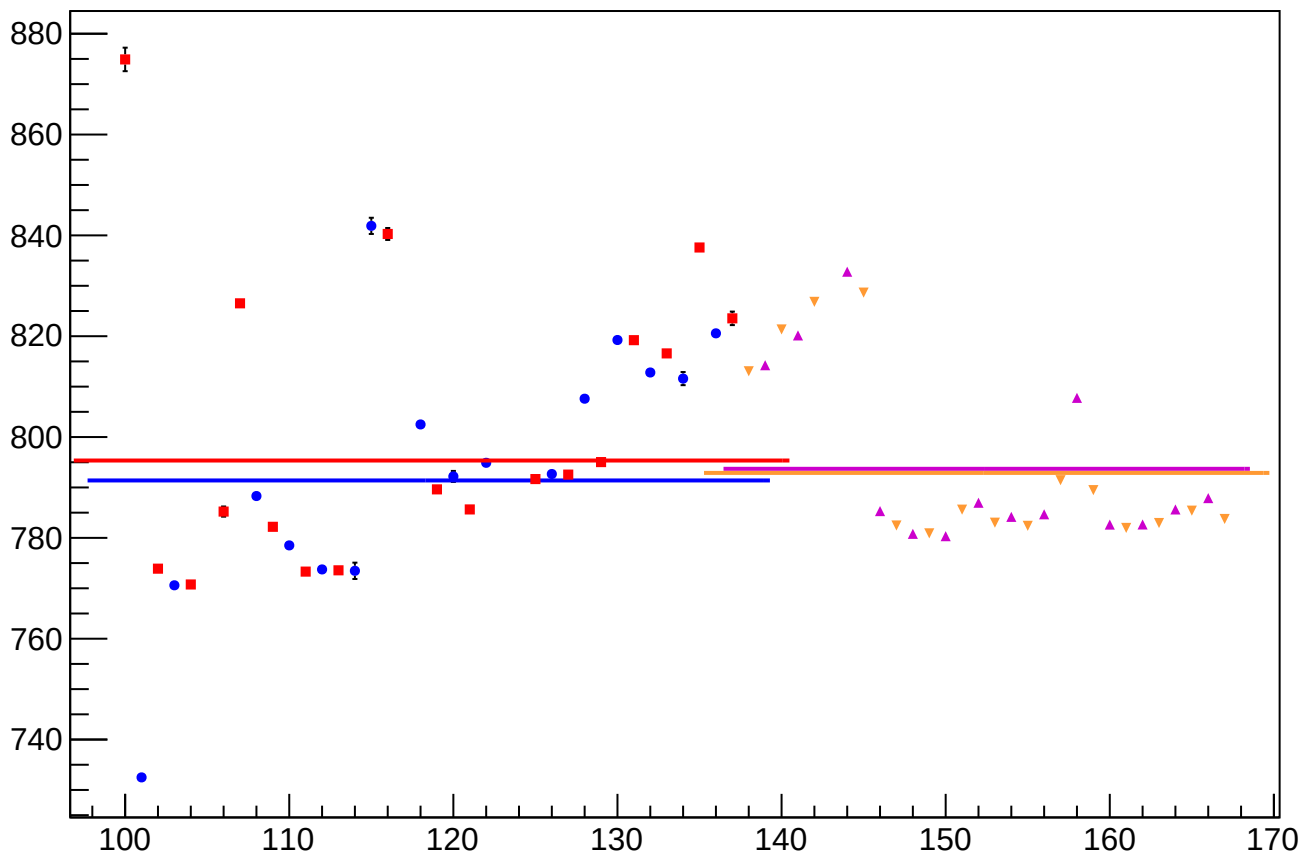
χ^2/NDF : 21.8/33

χ^2/NDF :29.6/29

χ^2/NDF :25.8/32

χ^2/NDF : 55.4/62

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: 793.698 $\pm$ 0.170 χ^2 /NDF:9489.9/13

Left: 793.285 $\pm$ 0.119 χ^2 /NDF: 18898.2/28

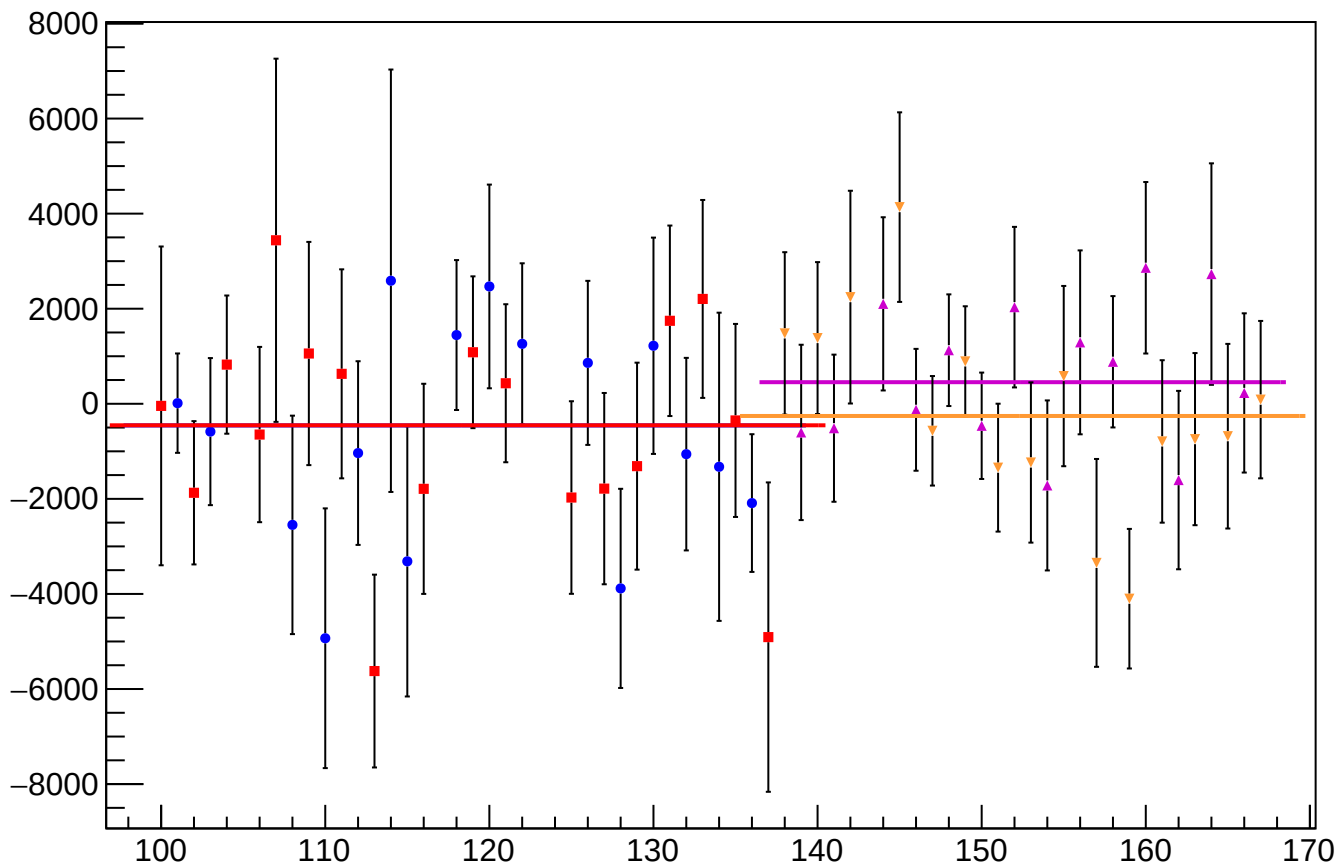
Right: 793.411 $\pm$ 0.152 χ^2 /NDF: 26737.3/33

In: 792.823 $\pm$ 0.134 χ^2 /NDF:24568.2/29

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

All: 793.333 $\pm$ 0.094 χ^2 /NDF: 45636.0/62

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -256.514+/-414.626 χ^2/NDF : 19.5/14

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

Left In: 454.279+/-417.685 χ^2/NDF : 9.3/13

Left: 96.270+/-294.260 χ^2/NDF : 30.3/28

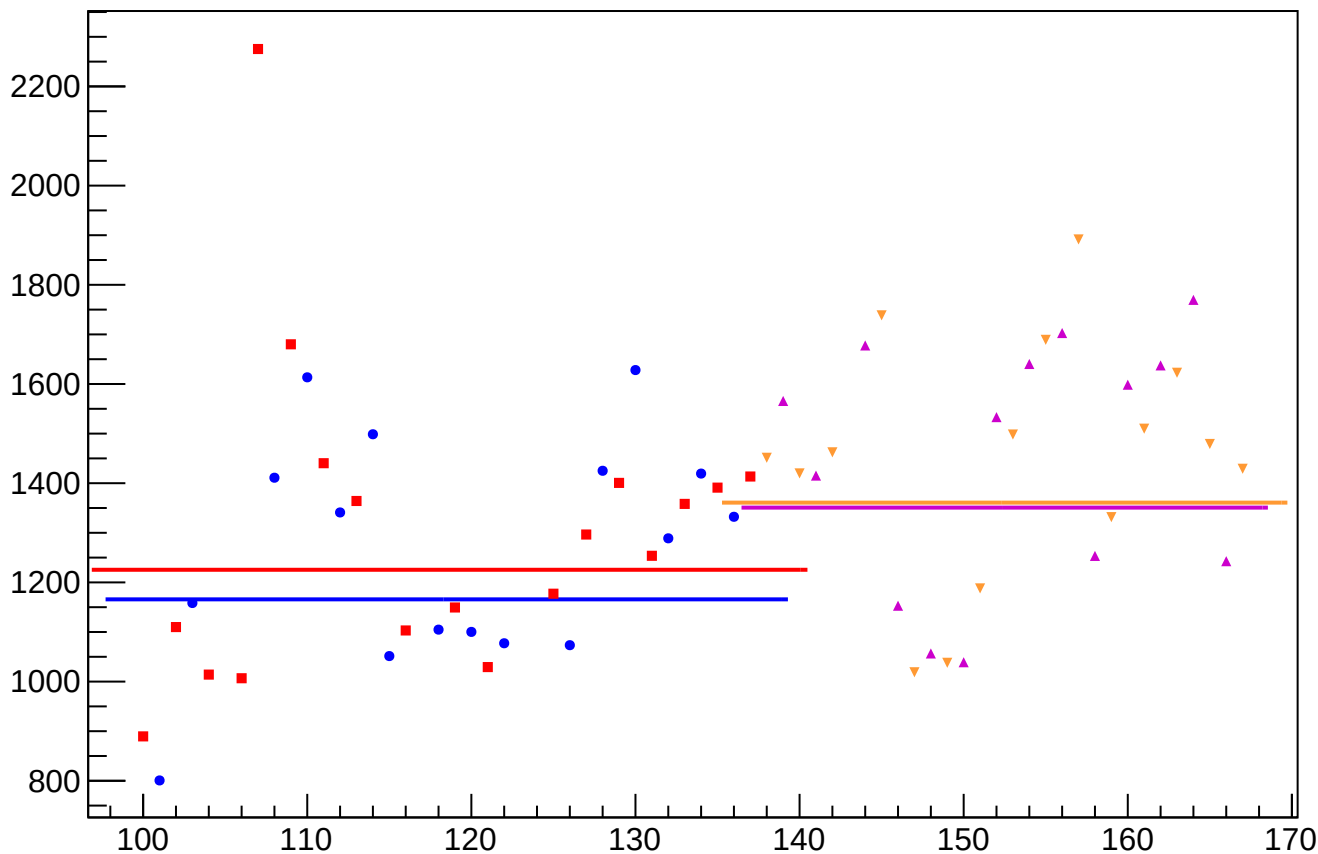
Right: -454.187+/-331.236 χ^2/NDF : 32.2/33

In: 47.195+/-310.504 χ^2/NDF : 26.3/29

Out: -341.785+/-311.724 χ^2/NDF : 37.0/32

All: -146.533+/-219.989 χ^2/NDF : 64.1/62

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: 1350.785 $\pm$ 0.295 χ^2 /NDF: 732716.9/13

Left: 1355.859 $\pm$ 0.208 χ^2 /NDF: 1441698.0/28

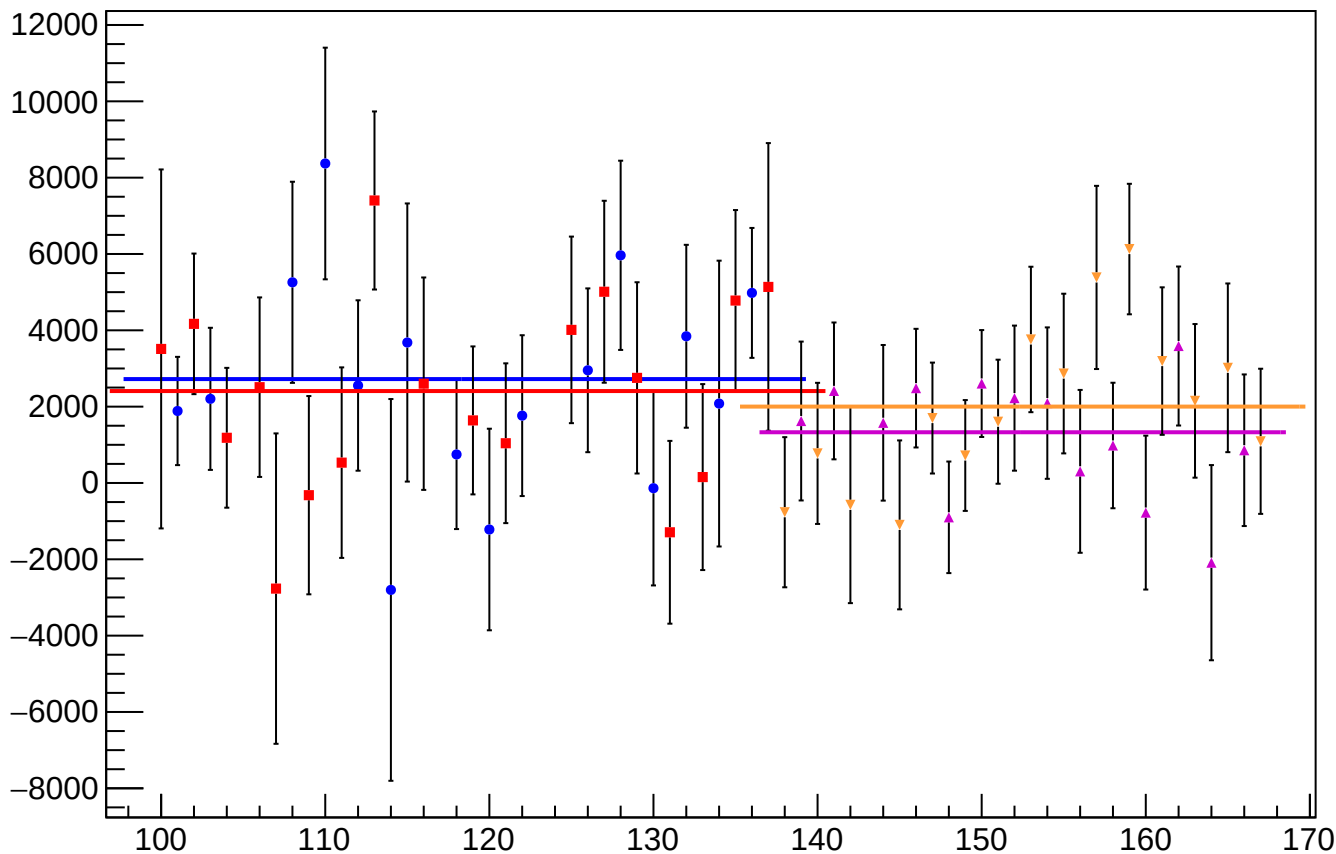
Right: 1195.087 $\pm$ 0.234 χ^2 /NDF: 983424.3/33

In: 1268.034 $\pm$ 0.220 χ^2 /NDF: 1434991.8/29

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

All: 1284.944 $\pm$ 0.156 χ^2 /NDF: 2688460.8/62

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 2001.369+/-485.180 χ^2/NDF : 15.9/14

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

Left In: 1328.931+/-489.261 χ^2/NDF : 8.9/13

Left: 1667.966+/-344.508 χ^2/NDF : 25.7/28

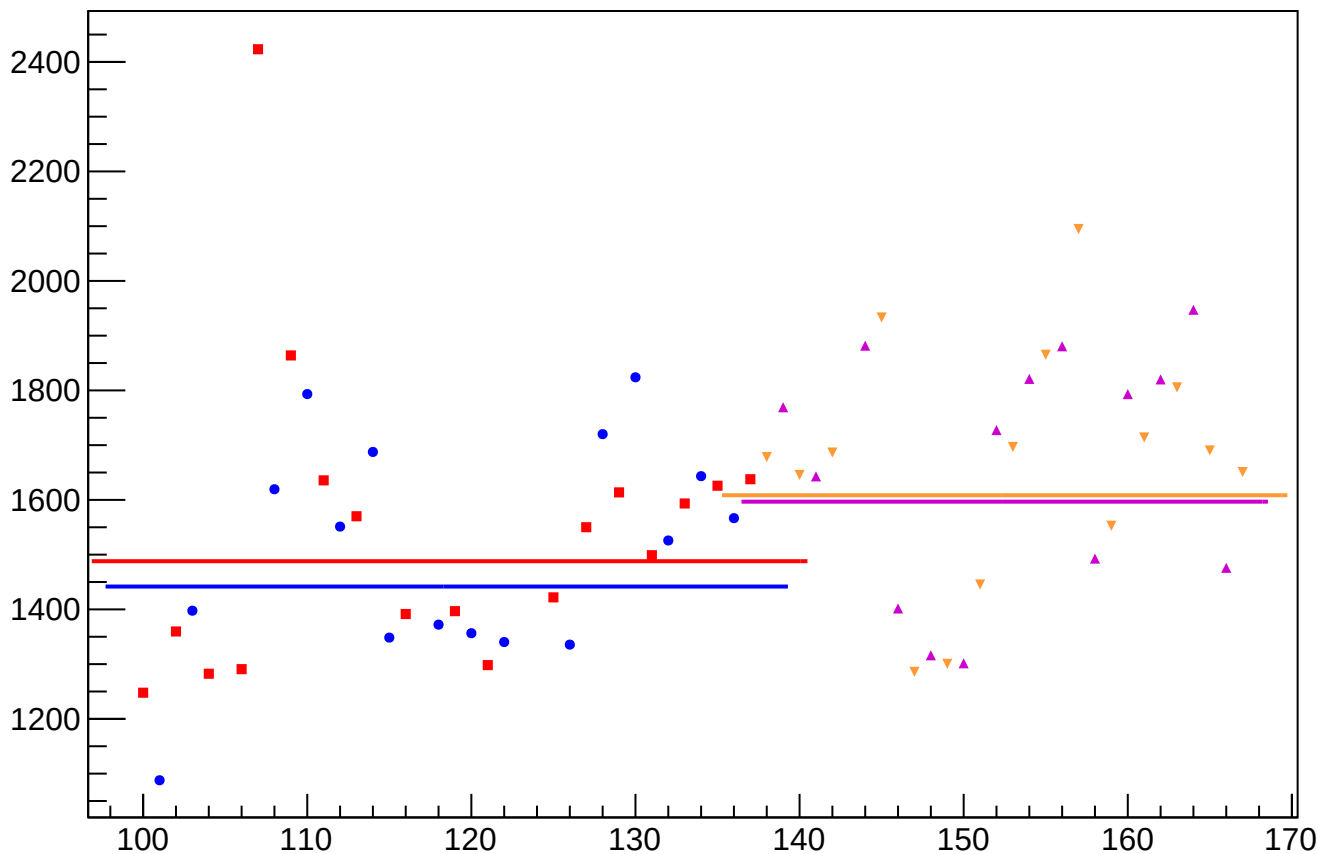
Right: 2565.881+/-401.681 χ^2/NDF : 31.0/33

In: 1923.437+/-370.463 χ^2/NDF : 26.9/29

Out: 2172.751+/-369.181 χ^2/NDF : 32.5/32

All: 2048.526+/-261.502 χ^2/NDF : 59.6/62

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1608.514 $\pm$ 0.343 χ^2/NDF : 404393.6/14

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

Left In: 1596.768 $\pm$ 0.346 χ^2/NDF : 413588.2/13

Left: 1602.690 $\pm$ 0.244 χ^2/NDF : 818563.0/28

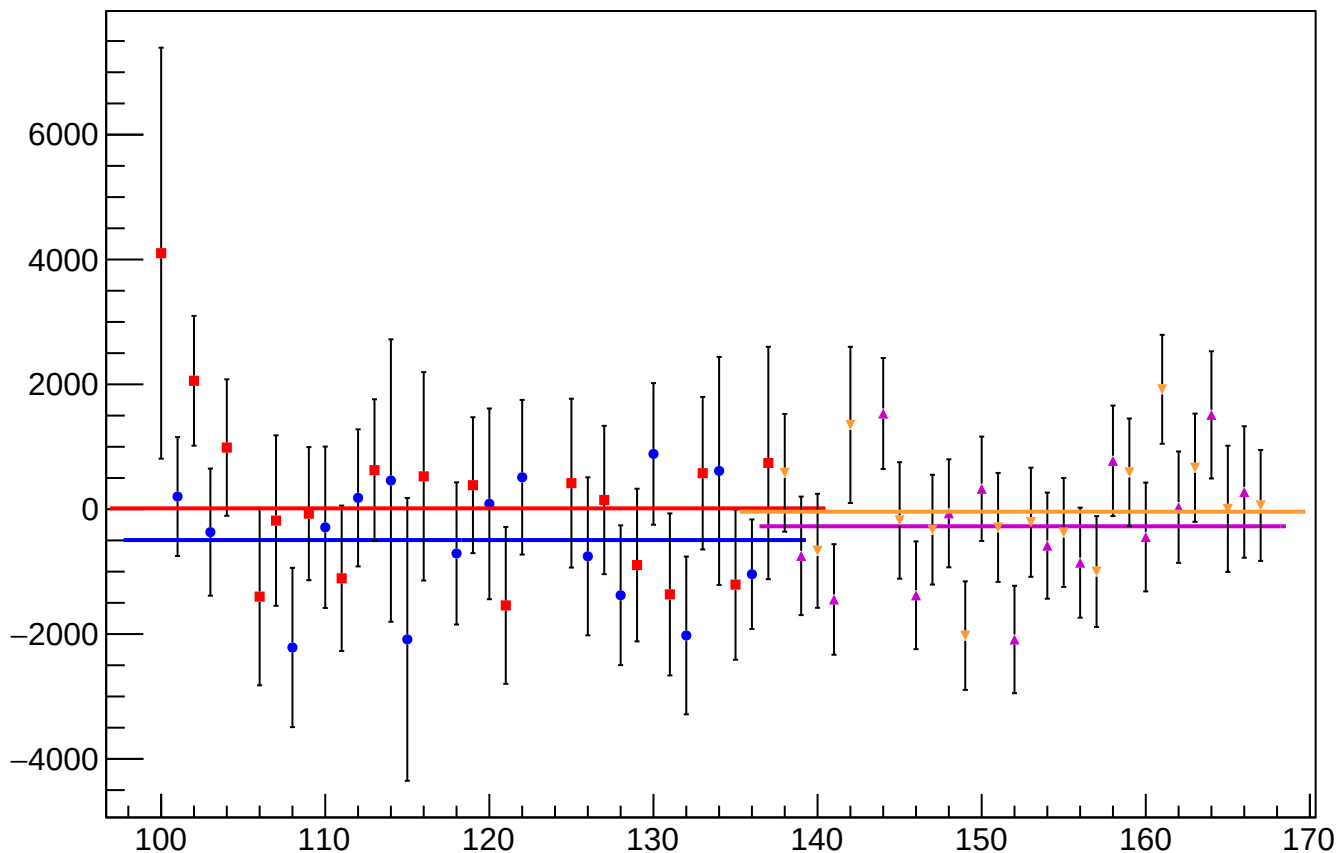
Right: 1464.799 $\pm$ 0.284 χ^2/NDF : 538687.7/33

In: 1530.615 $\pm$ 0.262 χ^2/NDF : 775188.6/29

Out: 1557.787 $\pm$ 0.261 χ^2/NDF : 712462.3/32

All: 1544.248 $\pm$ 0.185 χ^2/NDF : 1493049.4/62

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: -273.493 ± 239.086 χ^2/NDF : 18.3/13

Left: -154.430 ± 167.479 χ^2/NDF : 33.9/28

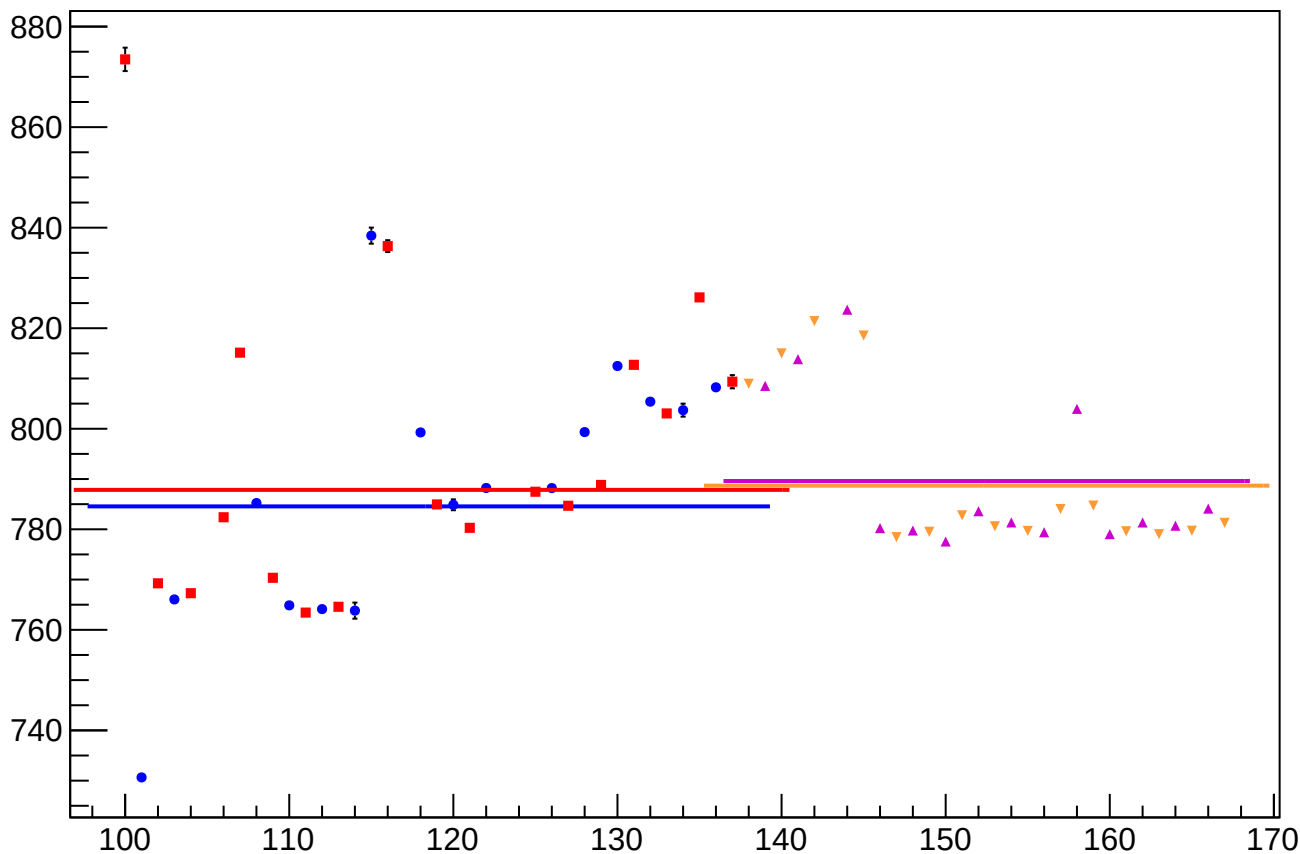
Right: -234.534 ± 212.932 χ^2/NDF : 23.4/33

In: -357.626 ± 188.081 χ^2/NDF : 27.2/29

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

All: -185.046 ± 131.639 χ^2/NDF : 57.4/62

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.558 ± 0.215 $\chi^2/\text{NDF}: 13677.7/15$

Left Out: 788.682 ± 0.166 $\chi^2/\text{NDF}: 7827.1/14$

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

Left In: 789.608 ± 0.169 $\chi^2/\text{NDF}: 7891.5/13$

Left: 789.136 ± 0.118 $\chi^2/\text{NDF}: 15733.8/28$

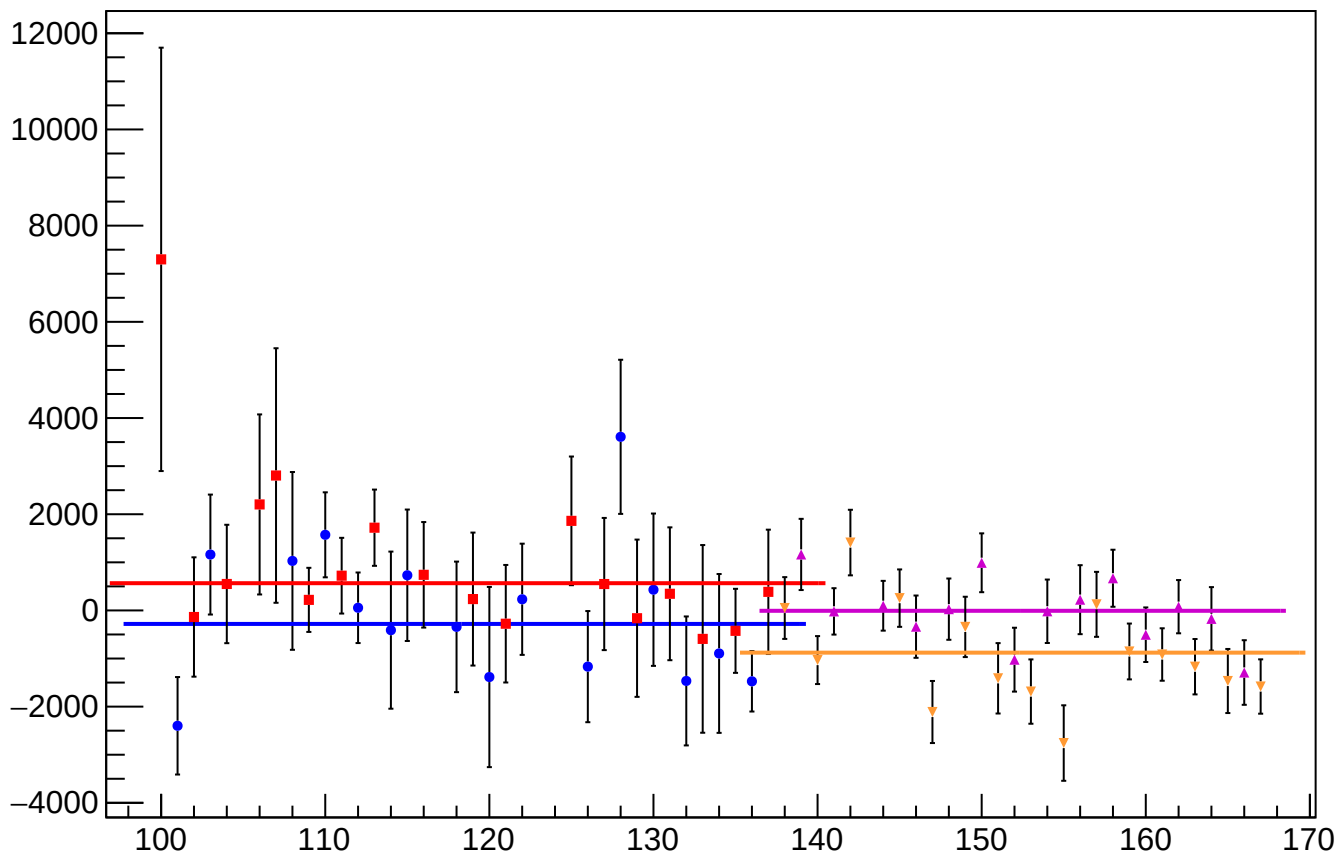
Right: 786.239 ± 0.151 $\chi^2/\text{NDF}: 24705.7/33$

In: 787.683 ± 0.133 $\chi^2/\text{NDF}: 21909.2/29$

Out: 788.361 ± 0.130 $\chi^2/\text{NDF}: 18745.9/32$

All: 788.029 ± 0.093 $\chi^2/\text{NDF}: 40668.4/62$

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -877.739 ± 160.116 $\chi^2/\text{NDF}: 34.0/14$

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

Left In: -7.790 ± 163.033 $\chi^2/\text{NDF}: 13.7/13$

Left: -450.617 ± 114.236 $\chi^2/\text{NDF}: 62.2/28$

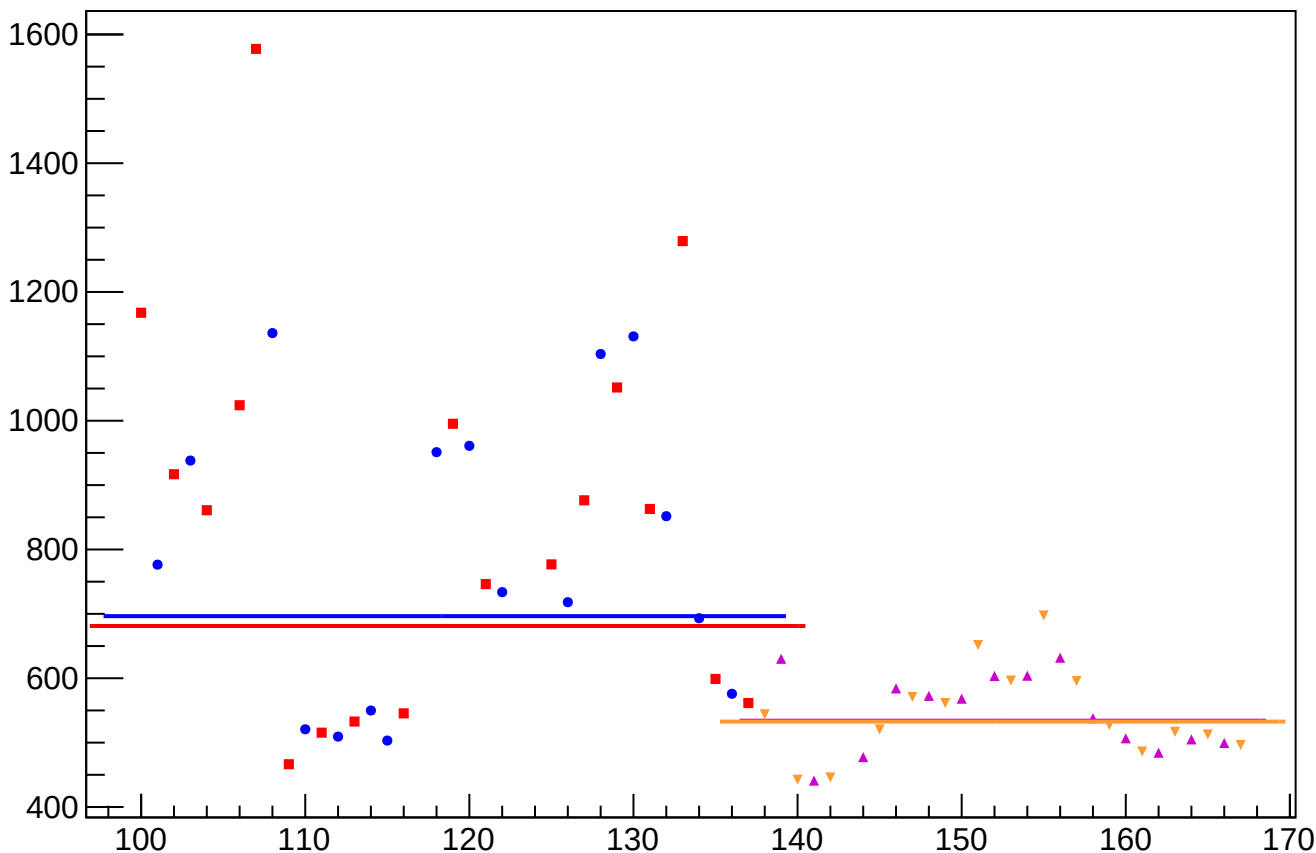
Right: 157.456 ± 196.270 $\chi^2/\text{NDF}: 37.7/33$

In: -75.957 ± 141.205 $\chi^2/\text{NDF}: 37.6/29$

Out: -507.928 ± 138.098 $\chi^2/\text{NDF}: 64.8/32$

All: -296.747 ± 98.731 $\chi^2/\text{NDF}: 107.1/62$

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: 534.051 $\pm$ 0.115 χ^2/NDF : 269344.7/13

Left: 533.333 $\pm$ 0.081 χ^2/NDF : 583063.3/28

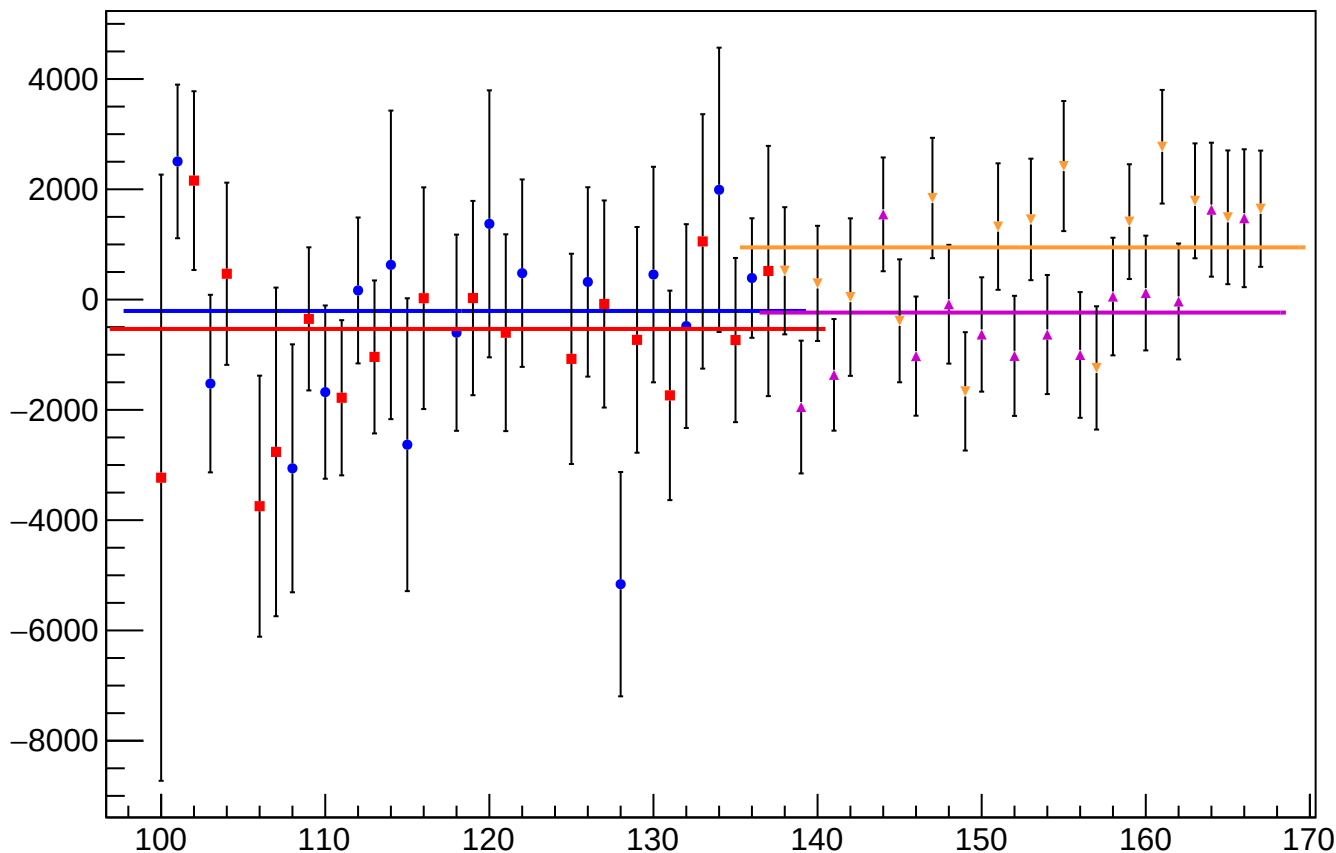
Right: 688.529 $\pm$ 0.139 χ^2/NDF : 2315094.2/33

In: 574.628 $\pm$ 0.100 χ^2/NDF : 1724711.2/29

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

All: 572.604 $\pm$ 0.070 χ^2/NDF : 3832225.9/62

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: -235.245 ± 291.739 χ^2/NDF : 12.5/13

Left: 365.291 ± 204.600 χ^2/NDF : 40.1/28

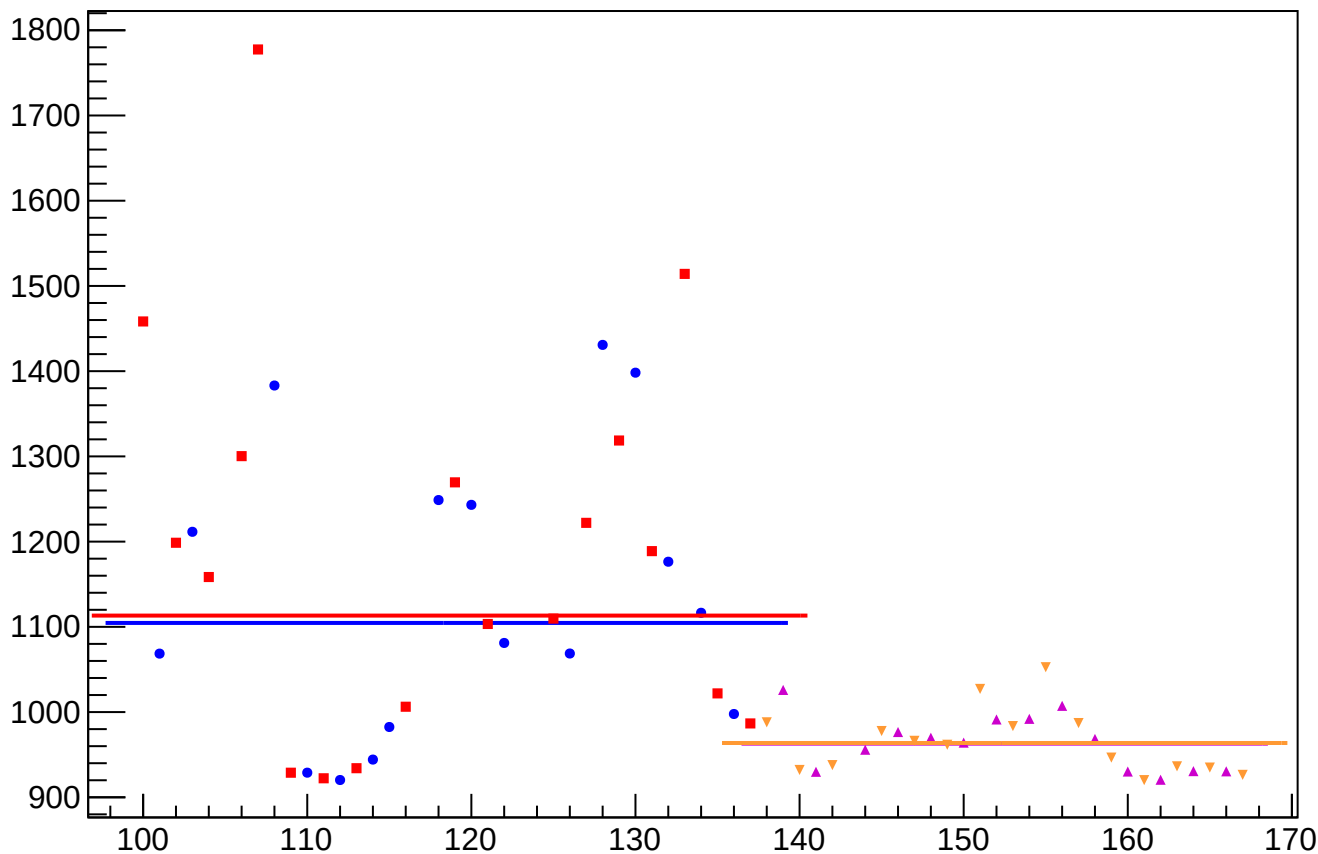
Right: -372.131 ± 304.348 χ^2/NDF : 24.2/33

In: -226.257 ± 242.081 χ^2/NDF : 28.3/29

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

All: 135.759 ± 169.798 χ^2/NDF : 68.4/62

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: 962.965 $\pm$ 0.206 χ^2 /NDF: 21985.6/13

Left: 963.352 $\pm$ 0.145 χ^2 /NDF: 53857.5/28

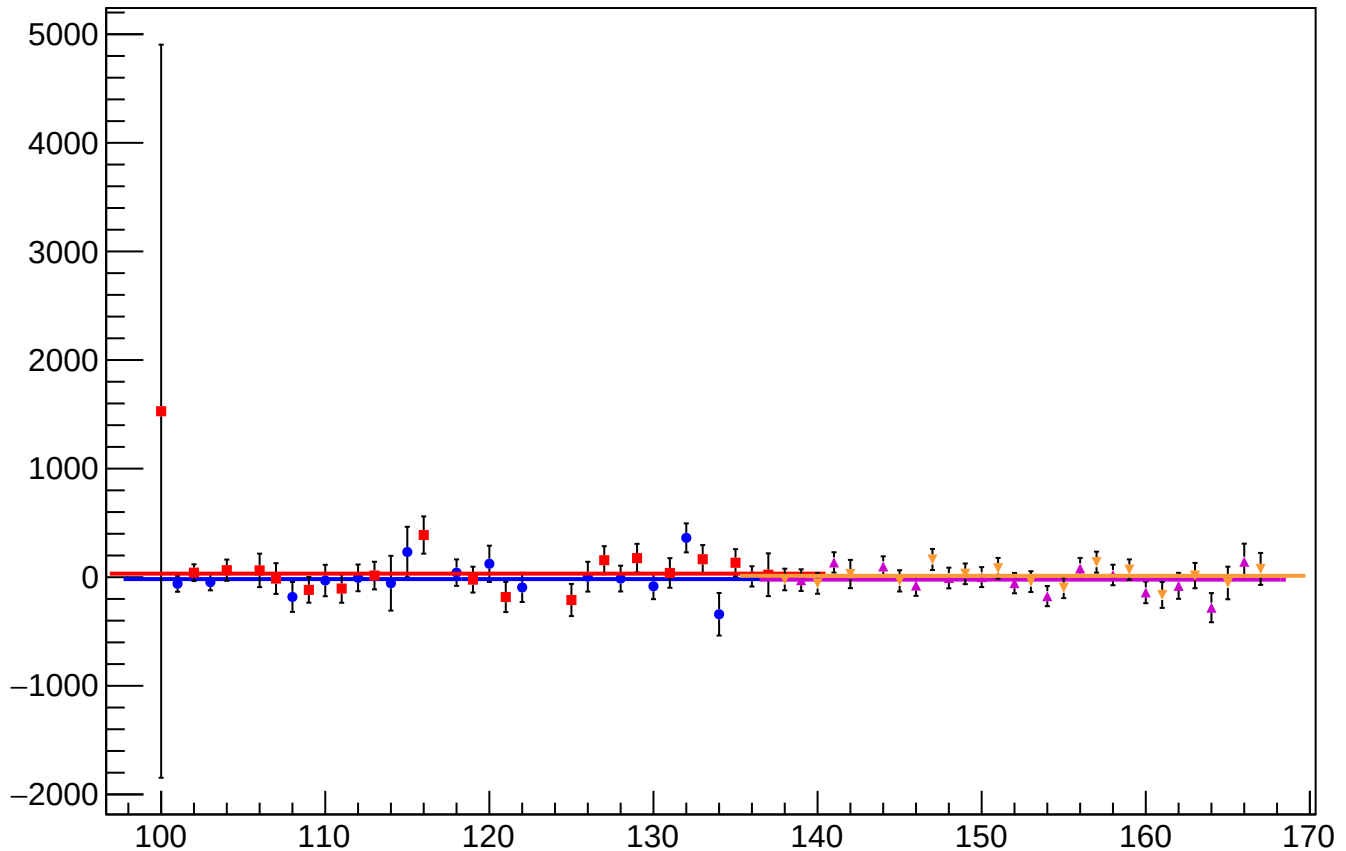
Right: 1108.972 $\pm$ 0.215 χ^2 /NDF: 618871.4/33

In: 1007.077 $\pm$ 0.171 χ^2 /NDF: 424283.6/29

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

All: 1008.678 $\pm$ 0.120 χ^2 /NDF: 988074.4/62

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 13.193 $\pm$ 26.978 χ^2 /NDF:10.1/14

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

Left In: -21.849 $\pm$ 26.894 χ^2 /NDF:15.5/13

Left: -4.383 $\pm$ 19.047 χ^2 /NDF: 26.4/28

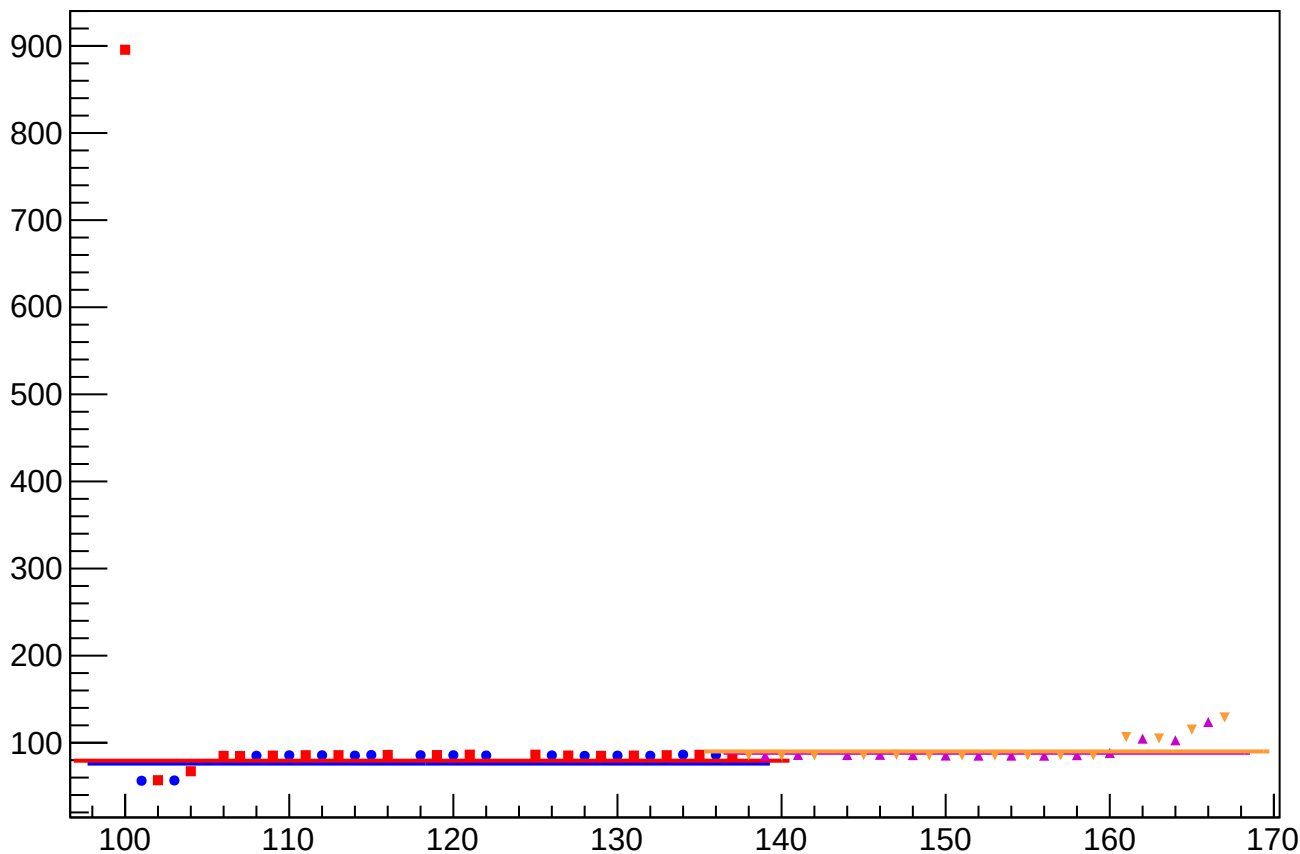
Right: 7.447 $\pm$ 21.365 χ^2 /NDF: 33.5/33

In: -19.793 $\pm$ 20.022 χ^2 /NDF:31.1/29

Out: 21.857 $\pm$ 20.192 χ^2 /NDF:26.9/32

All: 0.856 $\pm$ 14.217 χ^2 /NDF: 60.1/62

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: 88.452 $\pm$ 0.019 χ^2 /NDF: 168642.2/13

Left: 89.227 $\pm$ 0.013 χ^2 /NDF: 486857.2/28

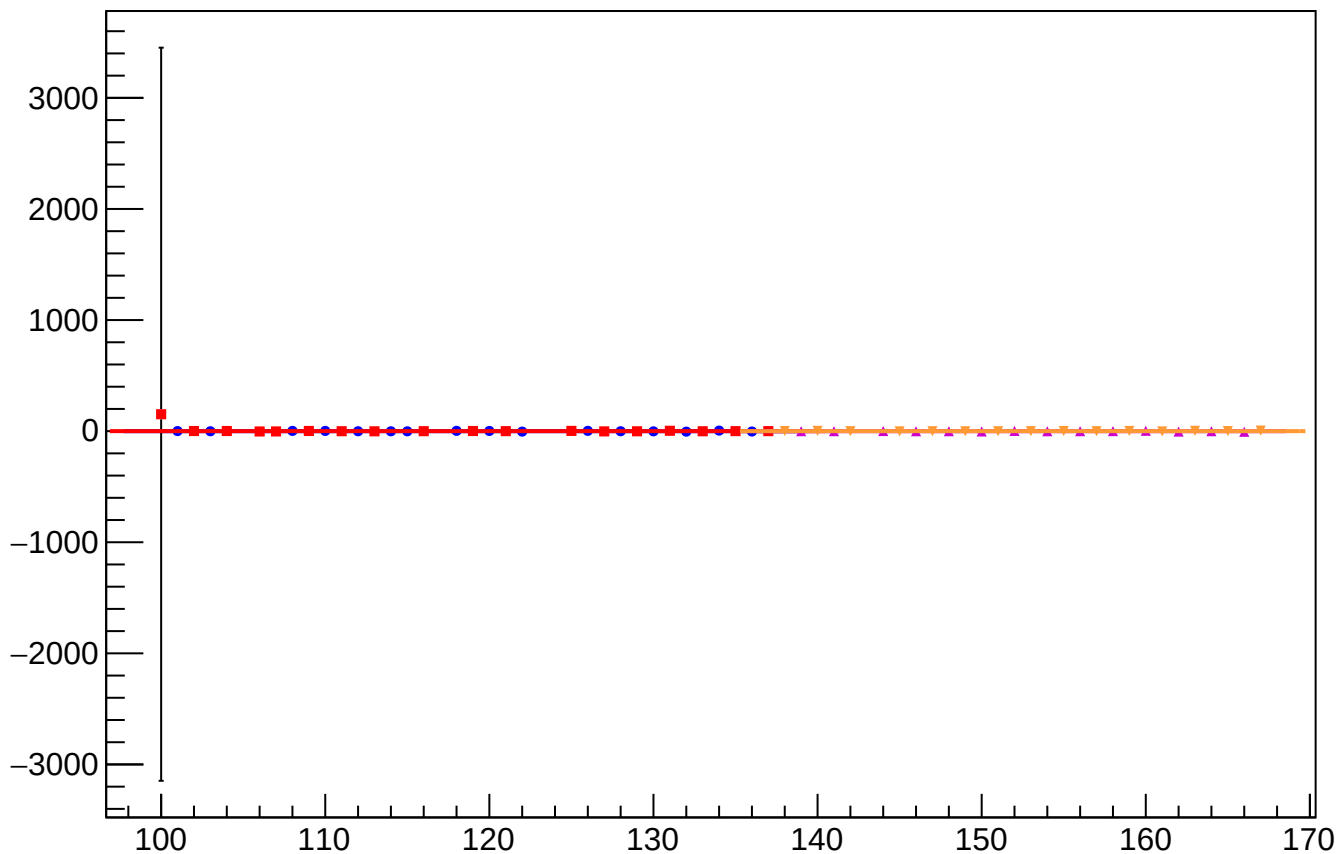
Right: 77.709 $\pm$ 0.015 χ^2 /NDF: 799700.2/33

In: 82.936 $\pm$ 0.014 χ^2 /NDF: 766496.5/29

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

All: 84.127 $\pm$ 0.010 χ^2 /NDF: 1610431.6/62

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: -0.336 ± 0.473 χ^2/NDF : 17.2/13

Left: -0.163 ± 0.329 χ^2/NDF : 30.1/28

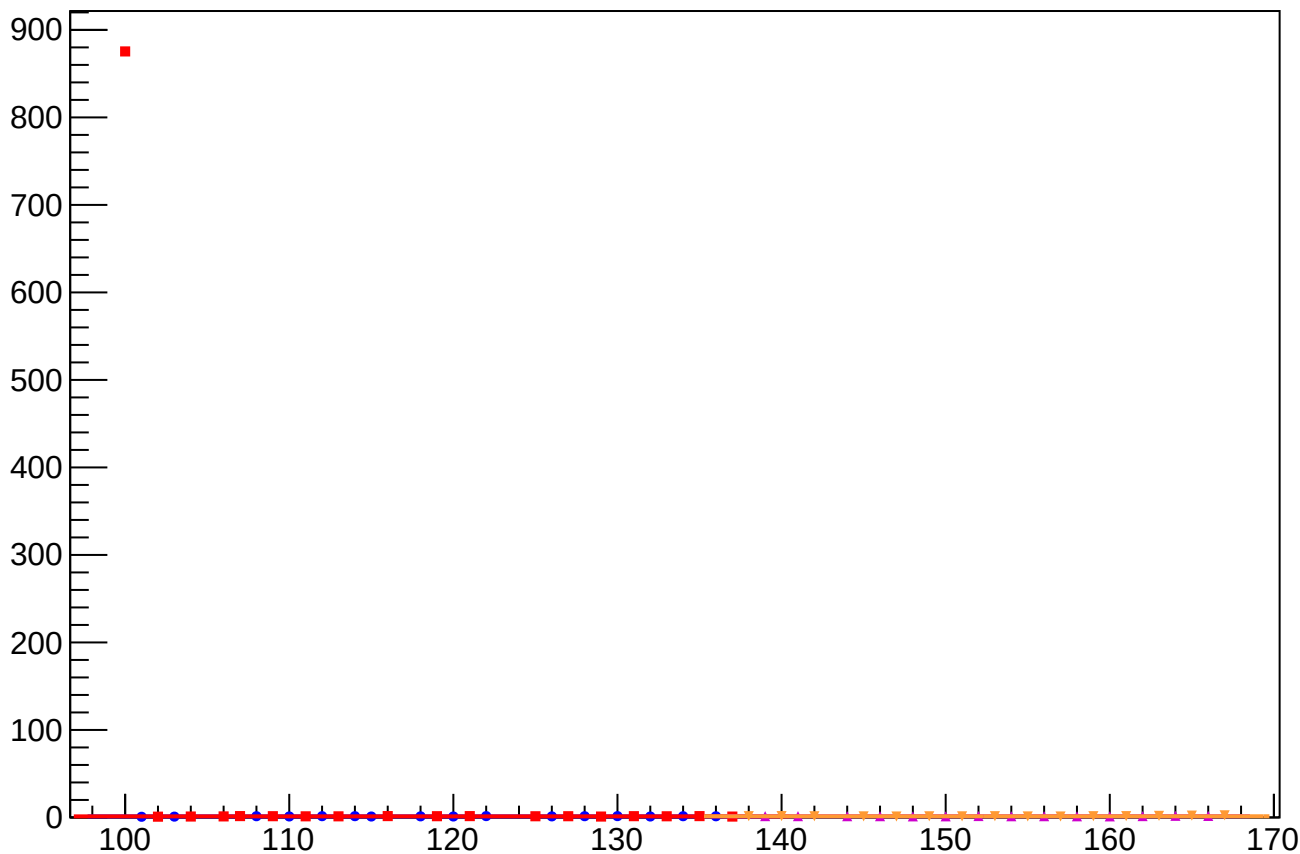
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.310 ± 0.344 χ^2/NDF : 38.3/29

Out: 0.033 ± 0.344 χ^2/NDF : 21.7/32

All: -0.138 ± 0.243 χ^2/NDF : 60.5/62

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: 1.425+/-0.000 χ^2/NDF : 197551.7/13

Left: 1.393+/-0.000 χ^2/NDF : 911403.9/28

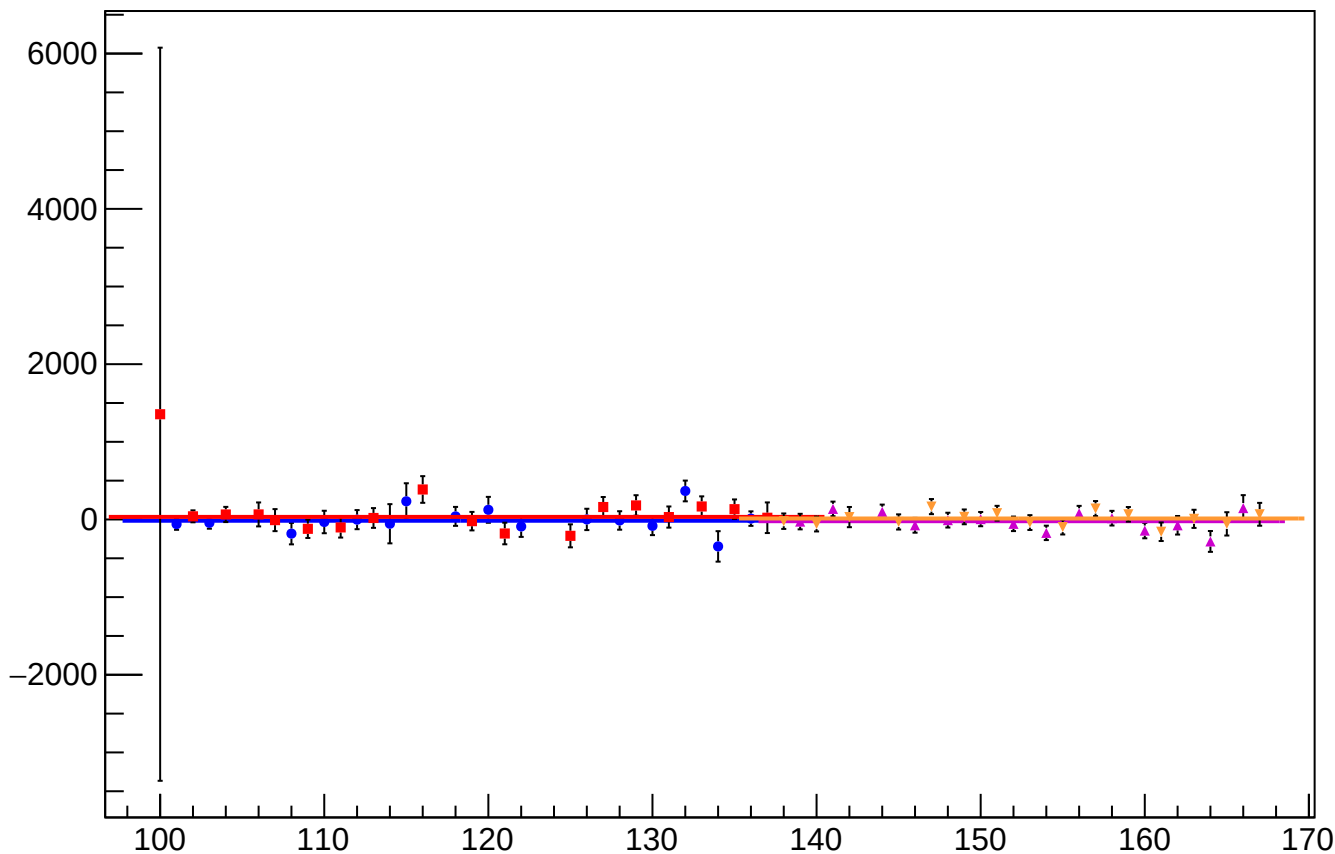
Right: 1.198+/-0.000 χ^2/NDF : 1065824.7/33

In: 1.296+/-0.000 χ^2/NDF : 1024217.5/29

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

All: 1.304+/-0.000 χ^2/NDF : 2295029.0/62

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: -22.085+/-26.902 χ^2 /NDF:15.5/13

Left: -4.778+/-19.052 χ^2 /NDF: 26.3/28

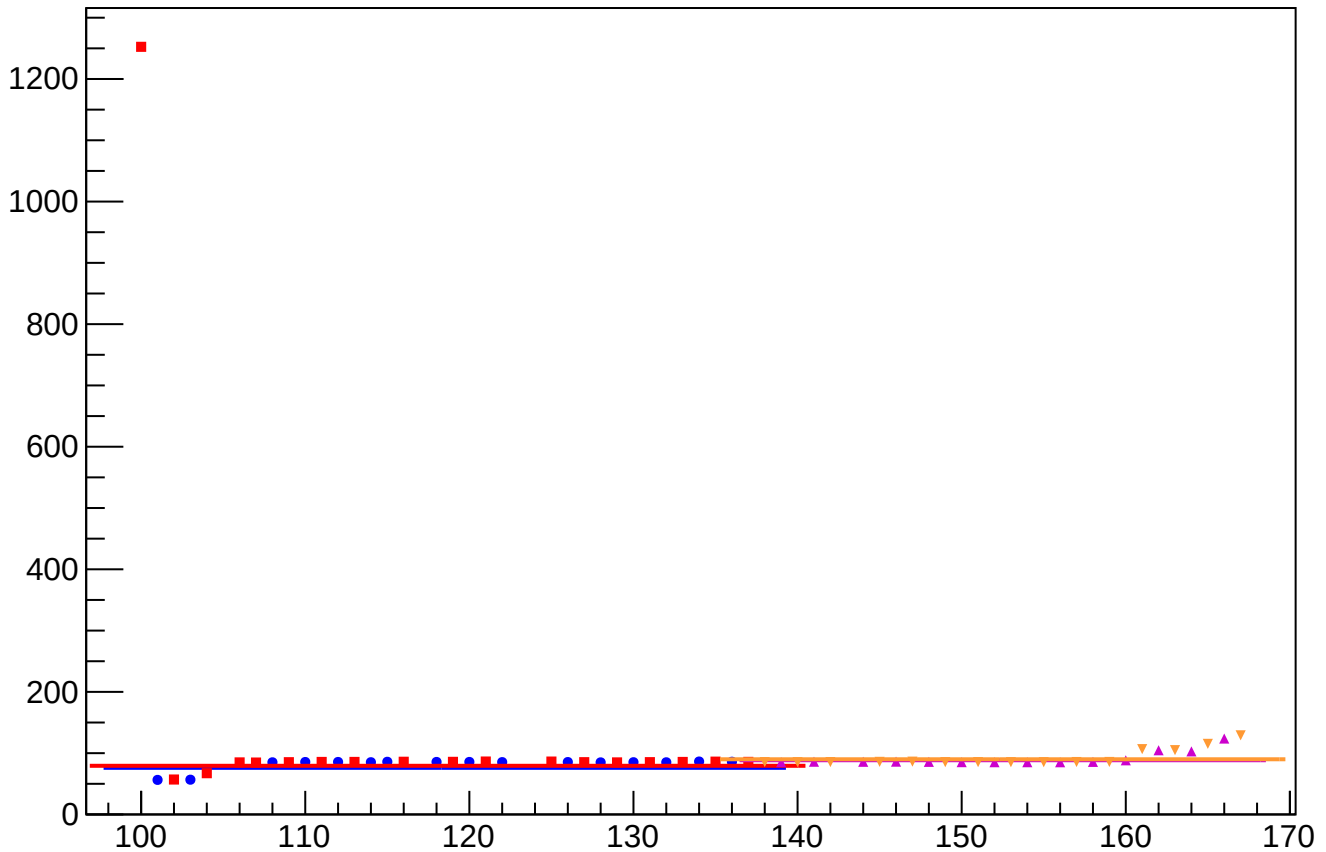
Right: 8.026+/-21.371 χ^2 /NDF: 33.7/33

In: -19.511+/-20.027 χ^2 /NDF:31.3/29

Out: 21.643+/-20.198 χ^2 /NDF:26.8/32

All: 0.892+/-14.221 χ^2 /NDF: 60.3/62

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 90.033+/-0.019 χ^2/NDF : 315186.0/14

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

Left In: 88.476+/-0.019 χ^2/NDF : 168691.4/13

Left: 89.252+/-0.013 χ^2/NDF : 487216.9/28

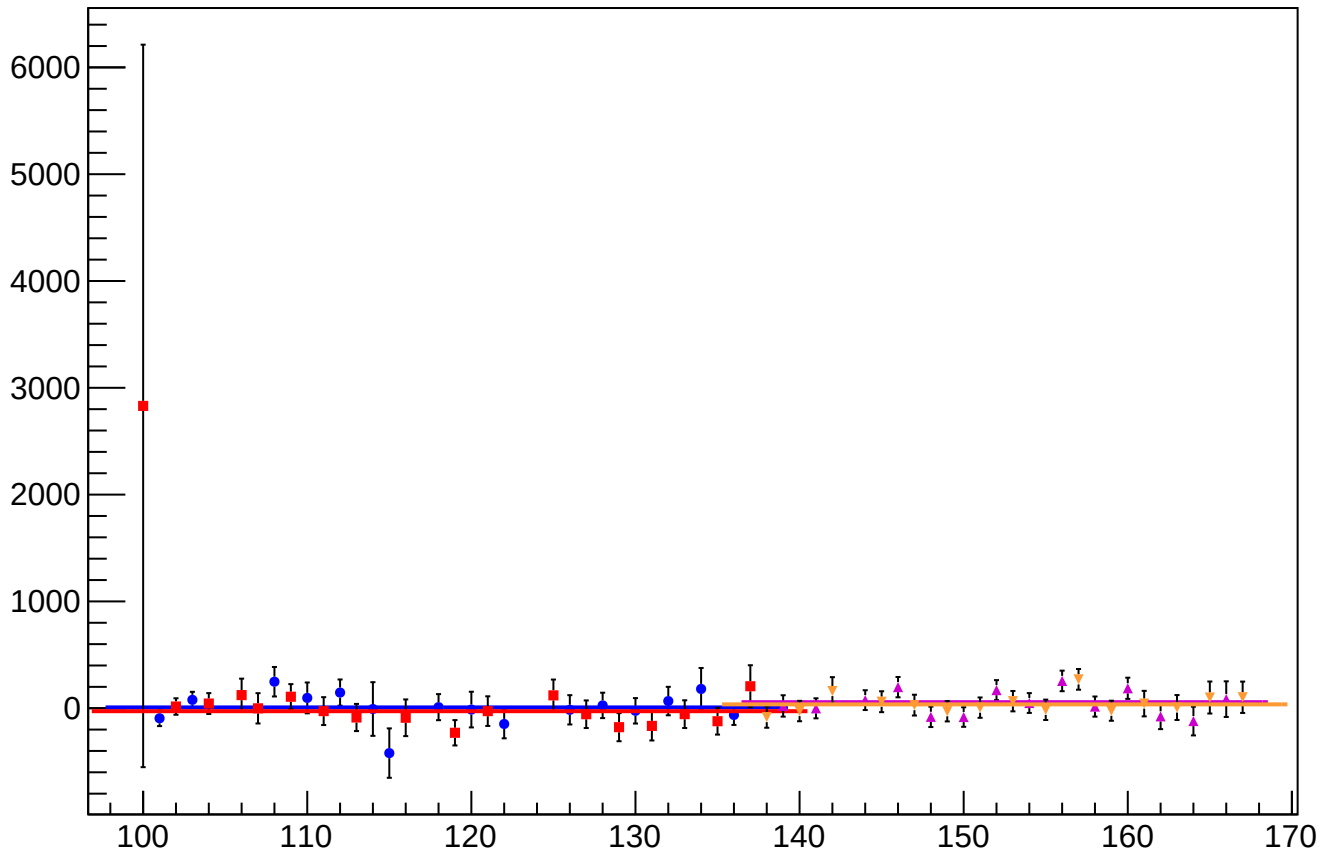
Right: 77.721+/-0.015 χ^2/NDF : 806127.4/33

In: 82.959+/-0.014 χ^2/NDF : 766615.7/29

Out: 85.353+/-0.014 χ^2/NDF : 836979.9/32

All: 84.146+/-0.010 χ^2/NDF : 1617772.8/62

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: 56.580+/-26.893 χ^2/NDF :17.7/13

Left: 46.359+/-19.045 χ^2/NDF : 28.5/28

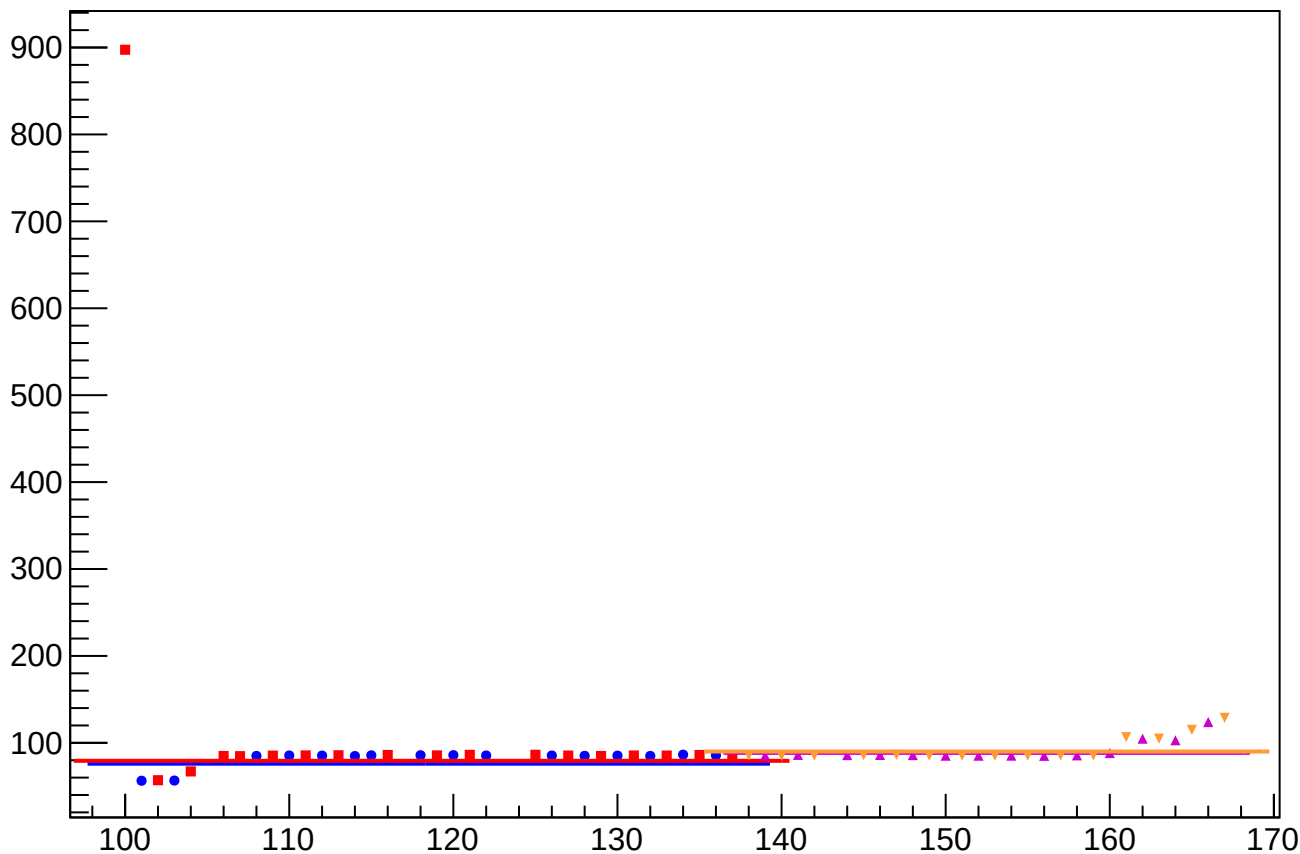
Right: -9.961+/-21.352 χ^2/NDF : 27.1/33

In: 34.669+/-20.016 χ^2/NDF :33.2/29

Out: 7.914+/-20.185 χ^2/NDF :25.5/32

All: 21.404+/-14.213 χ^2/NDF : 59.5/62

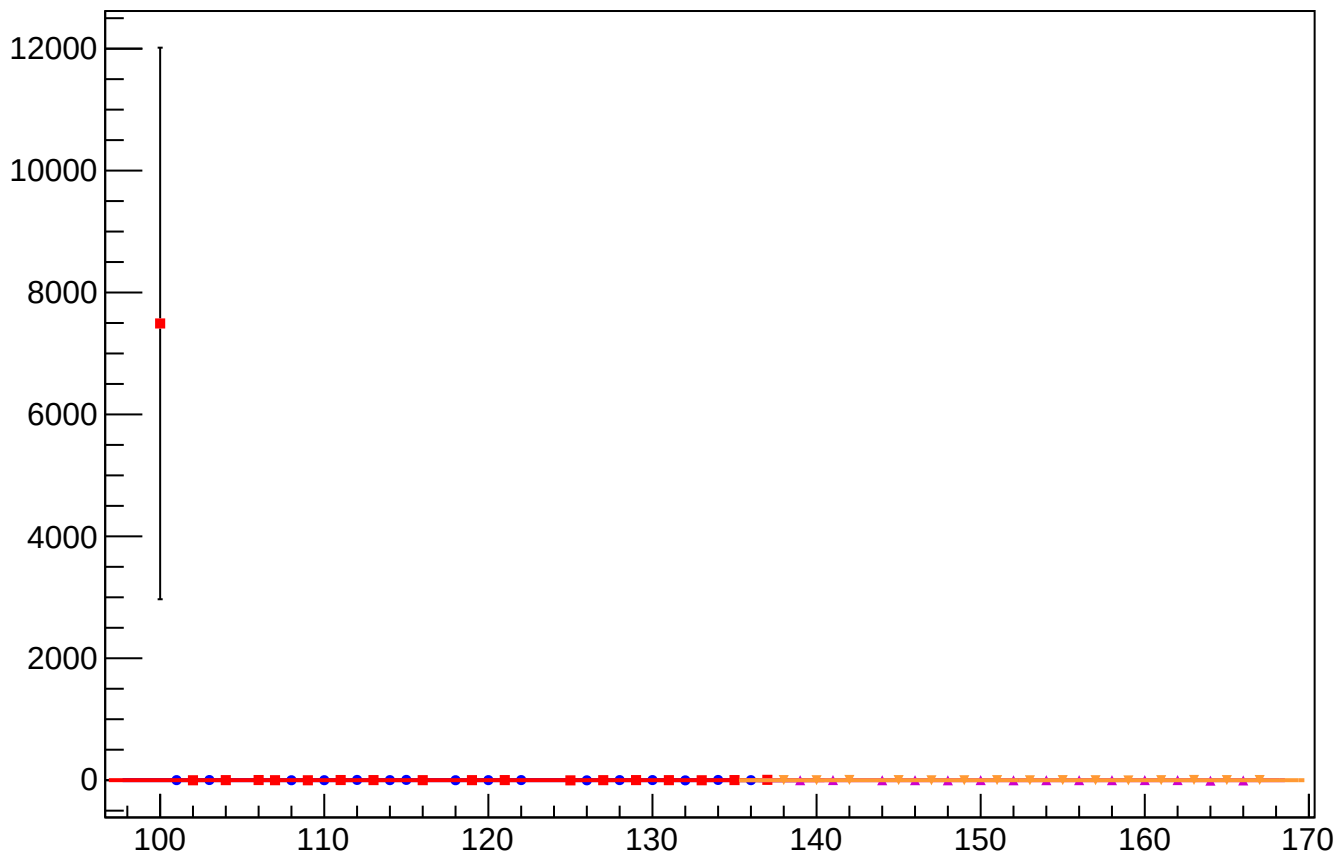
reg_asym_ds_dd_rms vs Slug, Sign Corrected



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: 88.446 $\pm$ 0.019 χ^2 /NDF: 169992.3/13

Left: 89.220 $\pm$ 0.013 χ^2 /NDF: 486458.5/28
Right: 77.662 $\pm$ 0.015 χ^2 /NDF: 799302.8/33
In: 82.908 $\pm$ 0.014 χ^2 /NDF: 768994.7/29
Out: 85.309 $\pm$ 0.014 χ^2 /NDF: 828906.1/32
All: 84.099 $\pm$ 0.010 χ^2 /NDF: 1612173.6/62

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: 0.070 ± 0.473 χ^2/NDF : 14.6/13

Left: -0.147 ± 0.335 χ^2/NDF : 31.2/28

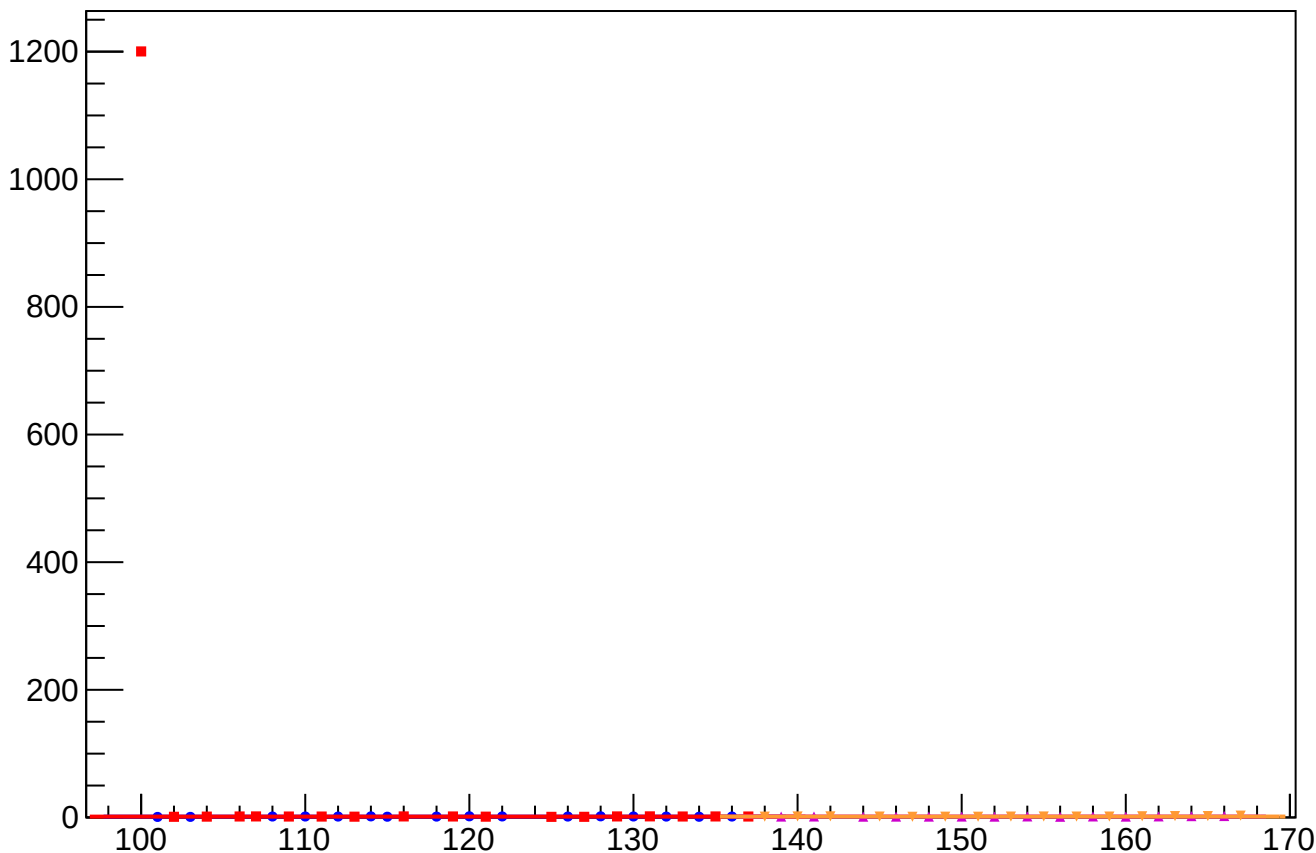
Right: 0.621 ± 0.382 χ^2/NDF : 25.2/33

In: 0.441 ± 0.353 χ^2/NDF : 28.0/29

Out: -0.075 ± 0.358 χ^2/NDF : 29.7/32

All: 0.187 ± 0.252 χ^2/NDF : 58.7/62

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: 1.415+/-0.000 χ^2/NDF : 460355.2/13

Left: 1.420+/-0.000 χ^2/NDF : 1441505.8/28

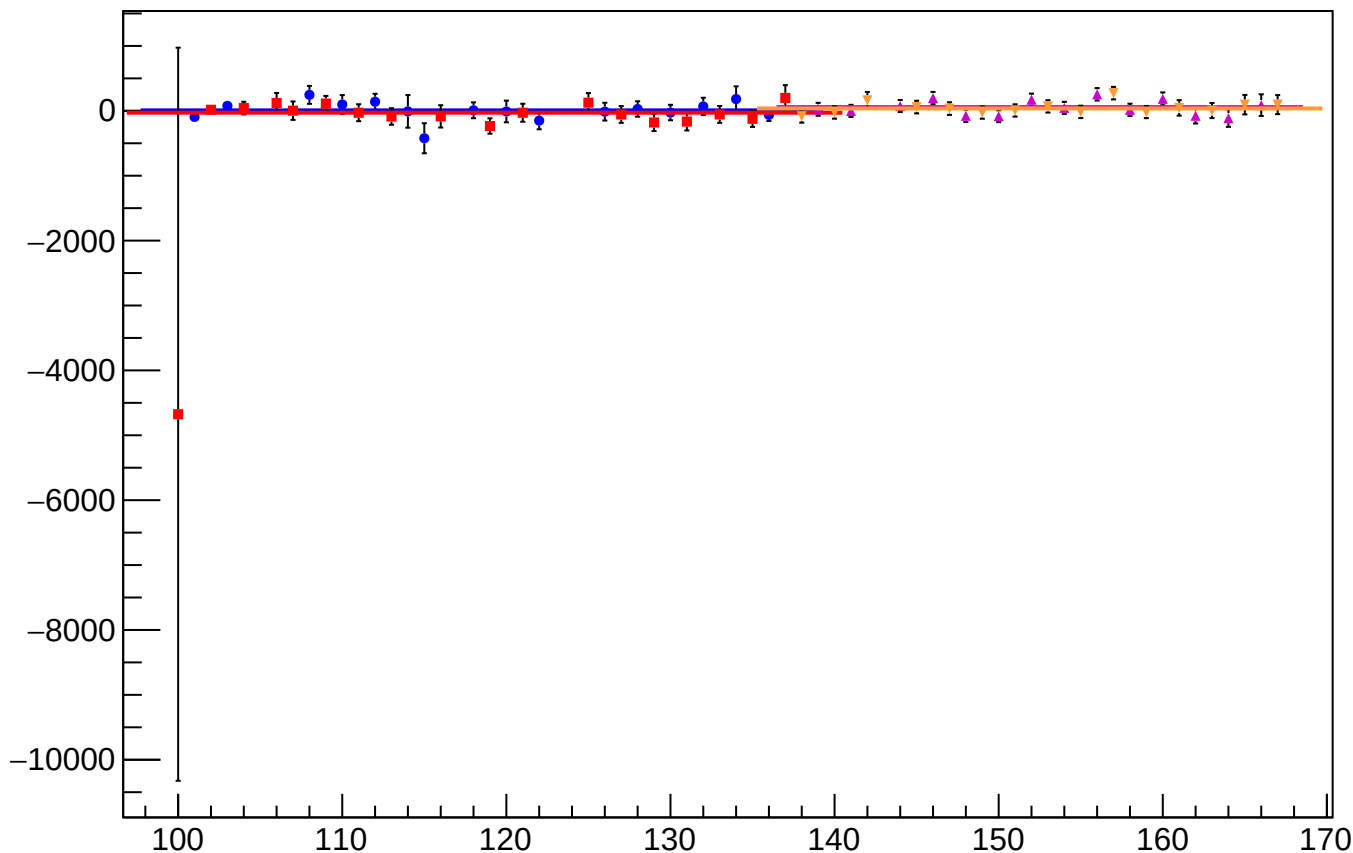
Right: 1.276+/-0.000 χ^2/NDF : 1201203.5/33

In: 1.337+/-0.000 χ^2/NDF : 1241962.4/29

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

All: 1.357+/-0.000 χ^2/NDF : 2802024.3/62

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: 56.991 ± 26.901 χ^2/NDF : 17.4/13

Left: 46.864 ± 19.051 χ^2/NDF : 28.1/28

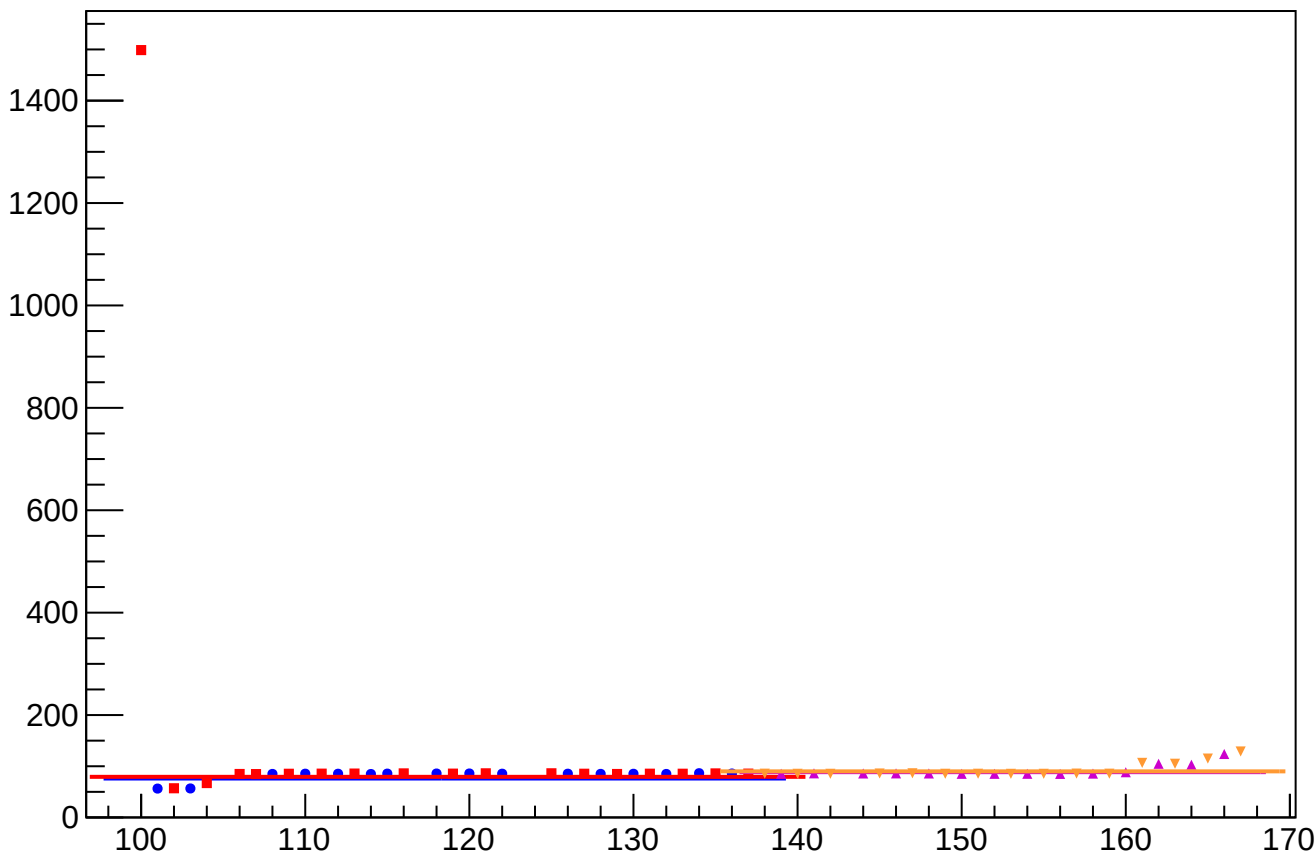
Right: -10.616 ± 21.358 χ^2/NDF : 27.2/33

In: 34.593 ± 20.021 χ^2/NDF : 32.8/29

Out: 7.972 ± 20.191 χ^2/NDF : 25.7/32

All: 21.395 ± 14.217 χ^2/NDF : 59.3/62

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: 88.470 $\pm$ 0.019 χ^2 /NDF: 170063.1/13

Left: 89.245 $\pm$ 0.013 χ^2 /NDF: 486841.2/28

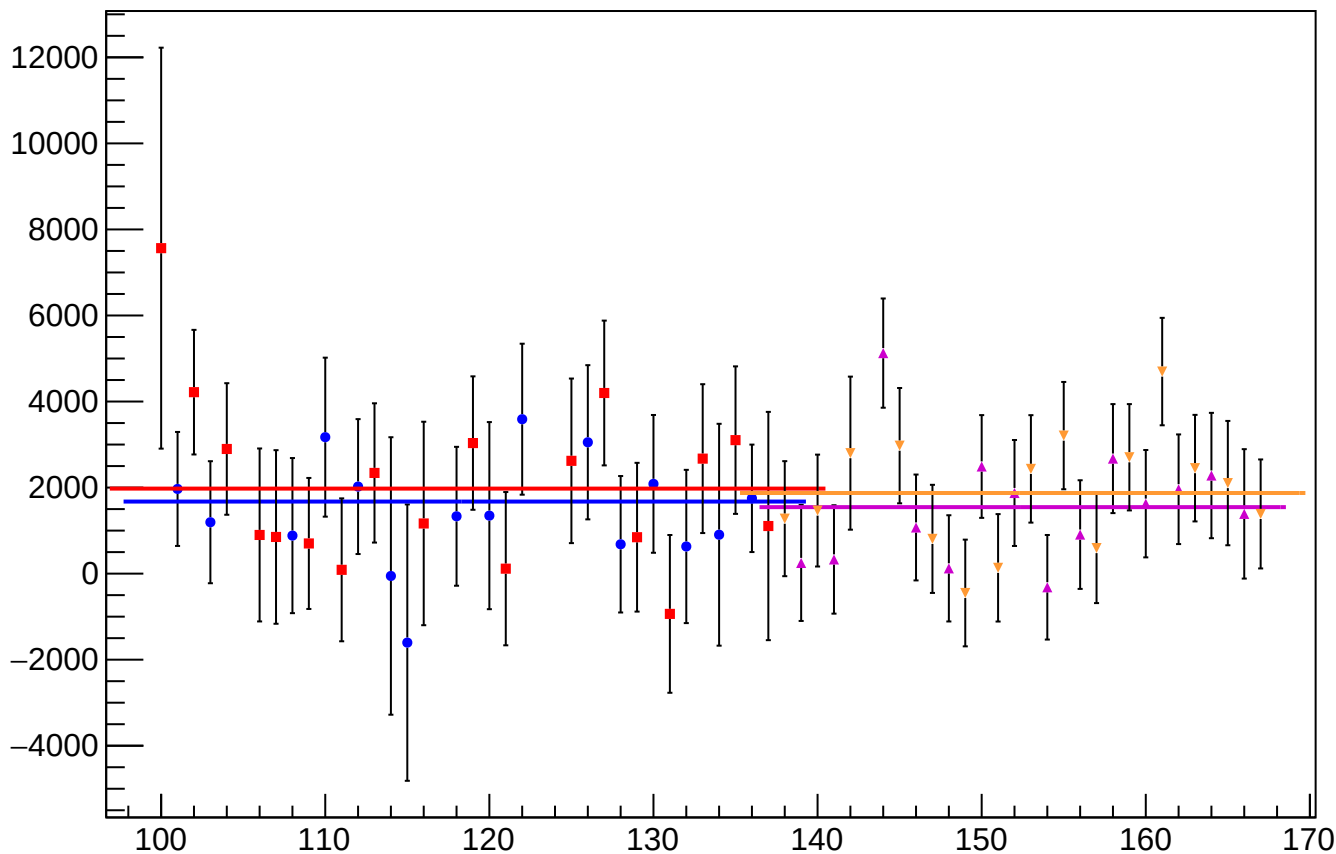
Right: 77.670 $\pm$ 0.015 χ^2 /NDF: 808427.1/33

In: 82.931 $\pm$ 0.014 χ^2 /NDF: 769130.2/29

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

All: 84.116 $\pm$ 0.010 χ^2 /NDF: 1622405.1/62

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: 1545.530 $\pm$ 341.456 χ^2 /NDF:15.8/13

Left: 1712.866 $\pm$ 239.237 χ^2 /NDF: 31.9/28

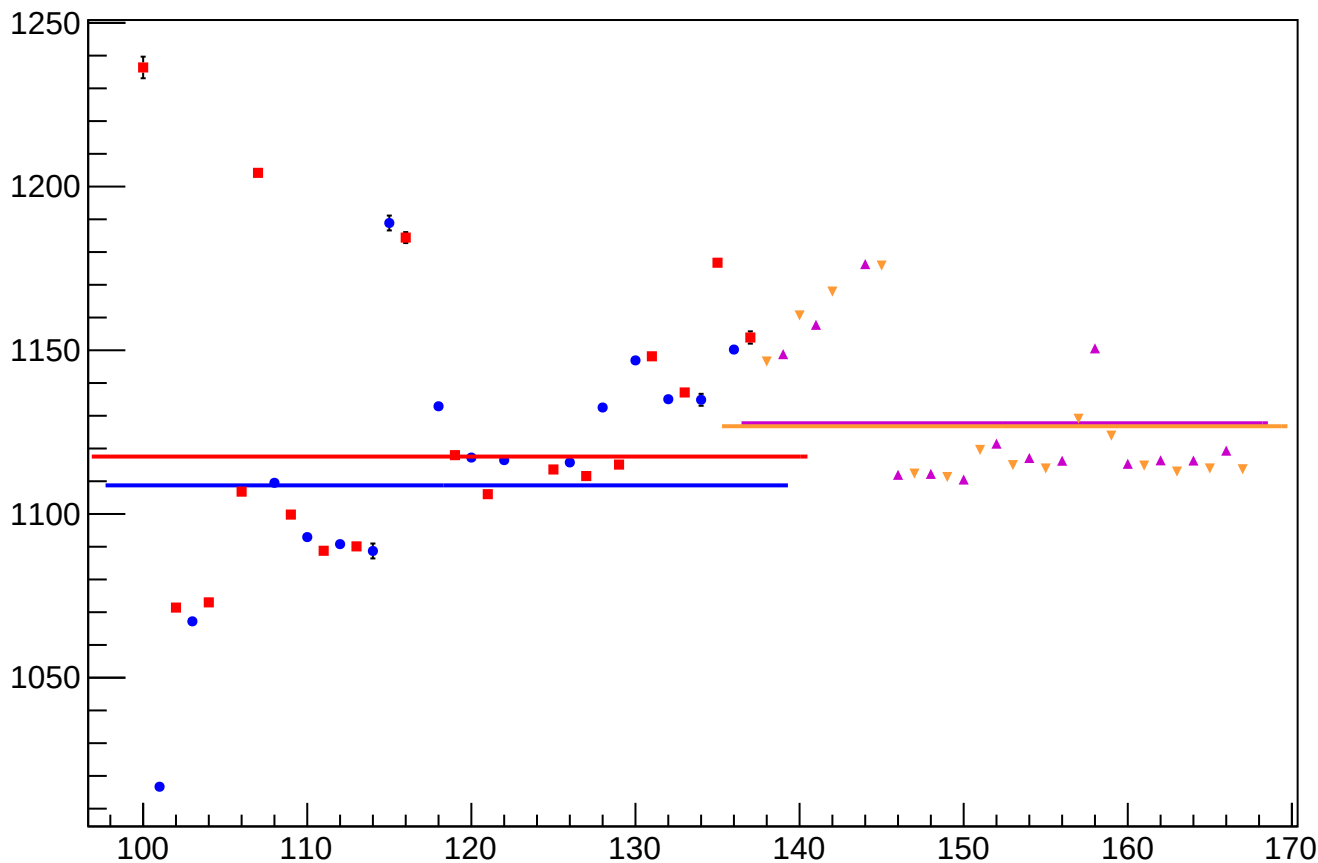
Right: 1828.538 $\pm$ 301.540 χ^2 /NDF: 19.4/33

In: 1595.511 $\pm$ 267.546 χ^2 /NDF:20.9/29

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

All: 1757.550 $\pm$ 187.416 χ^2 /NDF: 51.4/62

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1126.800 $\pm$ 0.237 χ^2 /NDF: 7409.2/14

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

Left In: 1127.706 $\pm$ 0.241 χ^2 /NDF: 7175.0/13

Left: 1127.245 $\pm$ 0.169 χ^2 /NDF: 14591.3/28

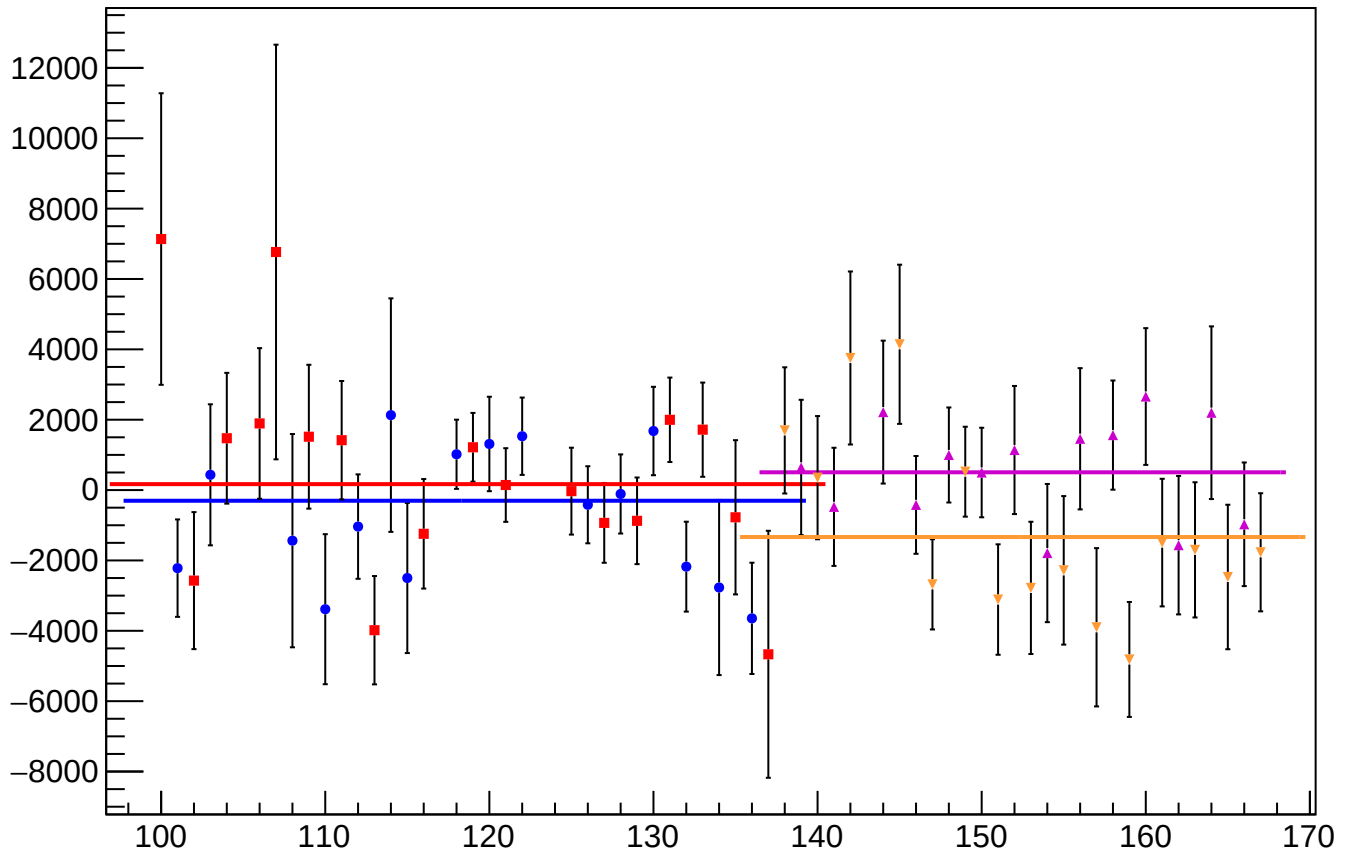
Right: 1113.224 $\pm$ 0.213 χ^2 /NDF: 34021.5/33

In: 1120.384 $\pm$ 0.189 χ^2 /NDF: 27638.1/29

Out: 1123.220 $\pm$ 0.186 χ^2 /NDF: 23514.1/32

All: 1121.829 $\pm$ 0.133 χ^2 /NDF: 51266.7/62

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: 505.293 ± 457.000 χ^2/NDF : 7.3/13

Left: -422.502 ± 321.757 χ^2/NDF : 41.0/28

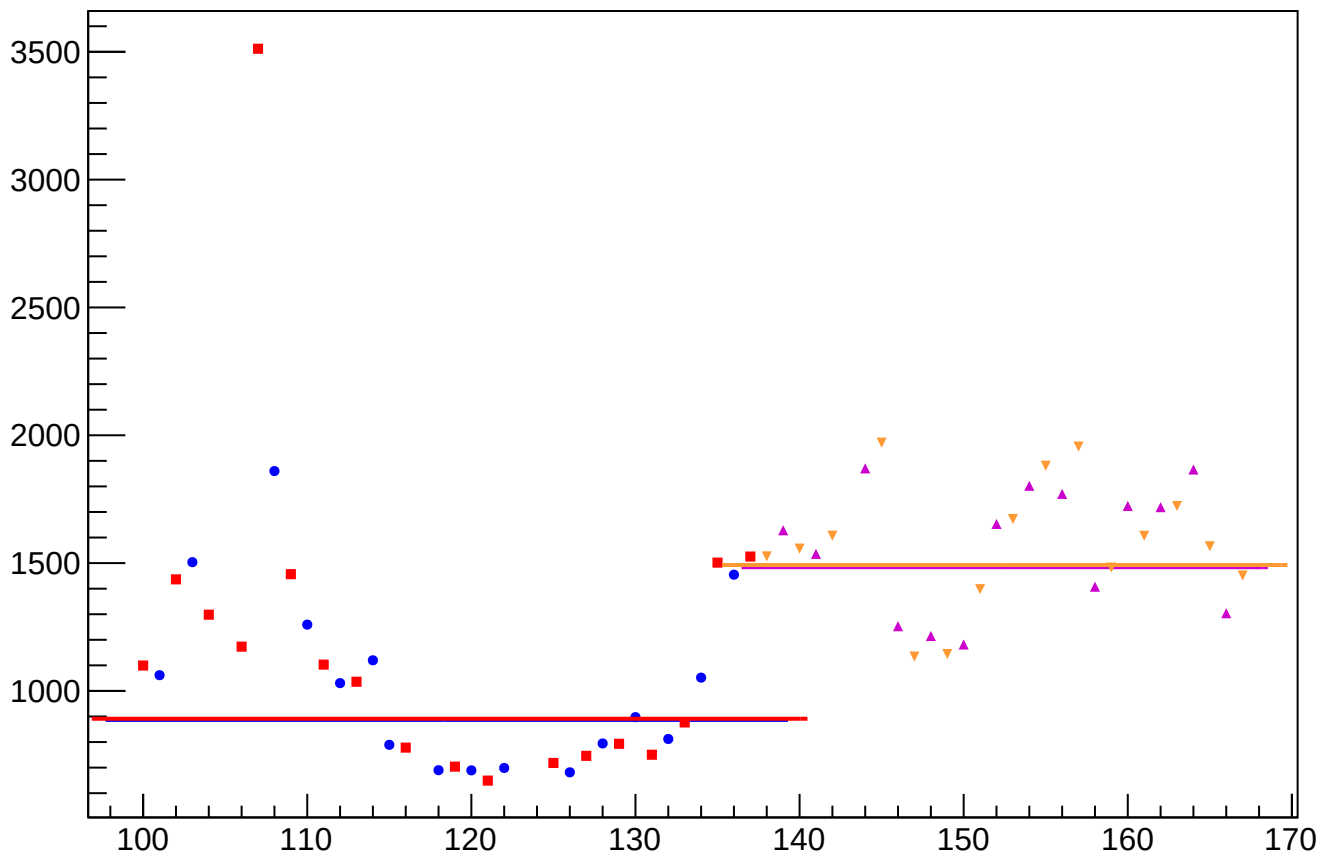
Right: -64.717 ± 253.241 χ^2/NDF : 48.0/33

In: 6.380 ± 282.828 χ^2/NDF : 31.5/29

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

All: -201.574 ± 198.998 χ^2/NDF : 89.8/62

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1492.557 $\pm$ 0.320 χ^2 /NDF: 620547.7/14

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

Left In: 1483.957 $\pm$ 0.323 χ^2 /NDF: 576849.6/13

Left: 1488.294 $\pm$ 0.228 χ^2 /NDF: 1197754.5/28

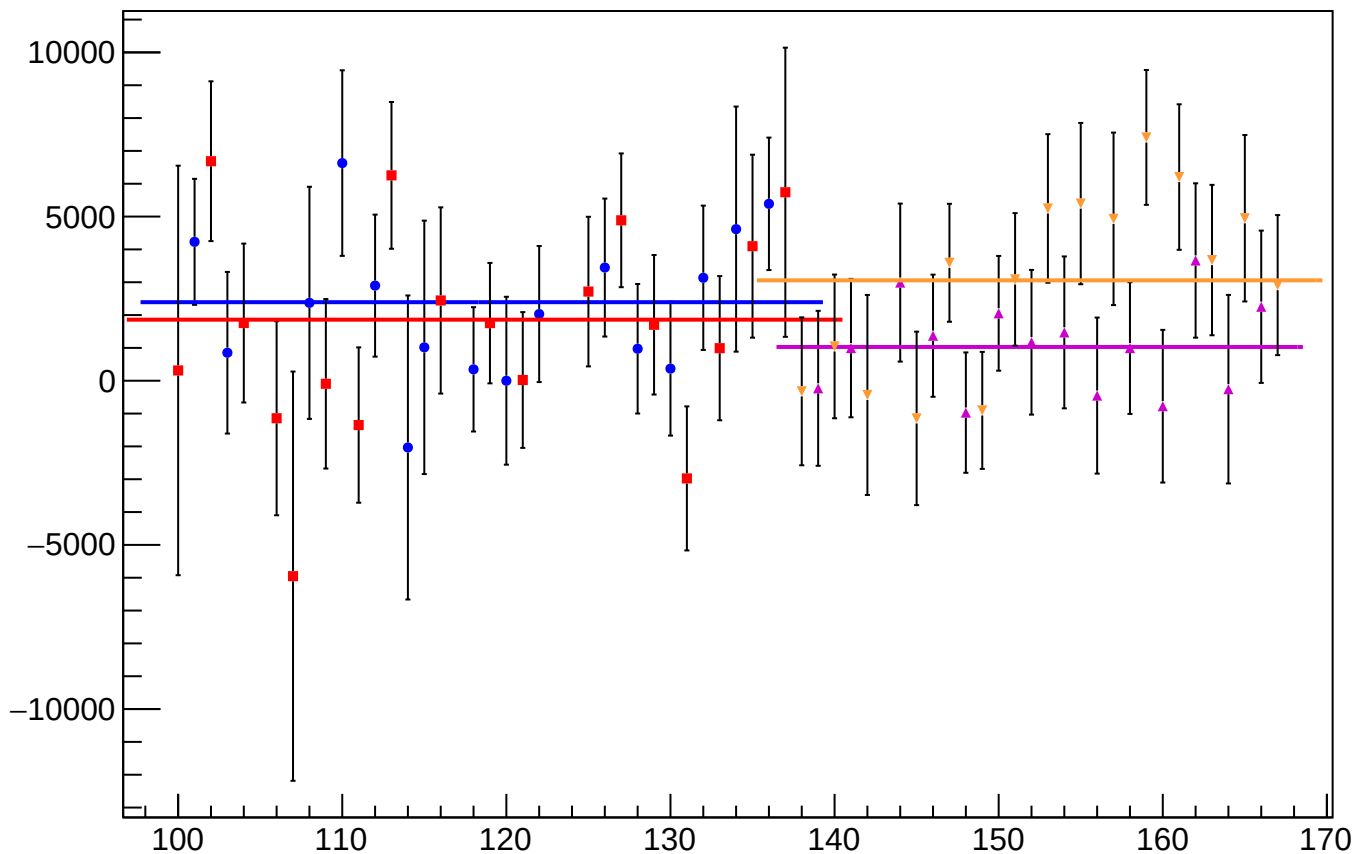
Right: 888.968 $\pm$ 0.179 χ^2 /NDF: 2475210.4/33

In: 1115.451 $\pm$ 0.200 χ^2 /NDF: 3745415.4/29

Out: 1120.927 $\pm$ 0.198 χ^2 /NDF: 4211965.9/32

All: 1118.216 $\pm$ 0.141 χ^2 /NDF: 7957759.8/62

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: 1028.670 $\pm$ 578.968 χ^2 /NDF:5.3/13

Left: 2052.850 $\pm$ 407.460 χ^2 /NDF: 32.9/28

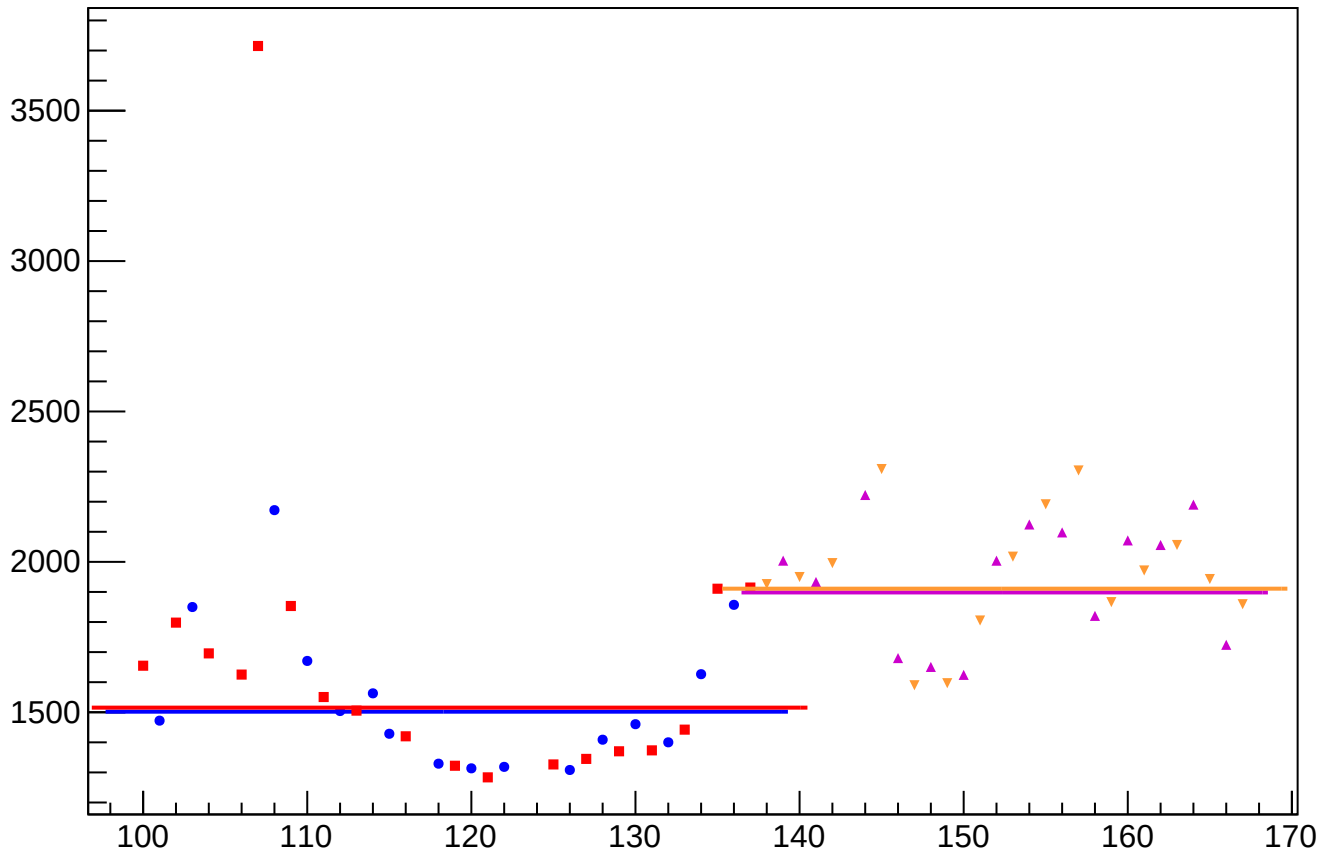
Right: 2123.458 $\pm$ 414.388 χ^2 /NDF: 34.1/33

In: 1698.825 $\pm$ 412.890 χ^2 /NDF:19.2/29

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

All: 2087.559 $\pm$ 290.536 χ^2 /NDF: 67.0/62

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1910.899+/-0.406 χ^2/NDF : 266428.2/14

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

Left In: 1898.326+/-0.409 χ^2/NDF : 246820.4/13

Left: 1904.672+/-0.288 χ^2/NDF : 513724.5/28

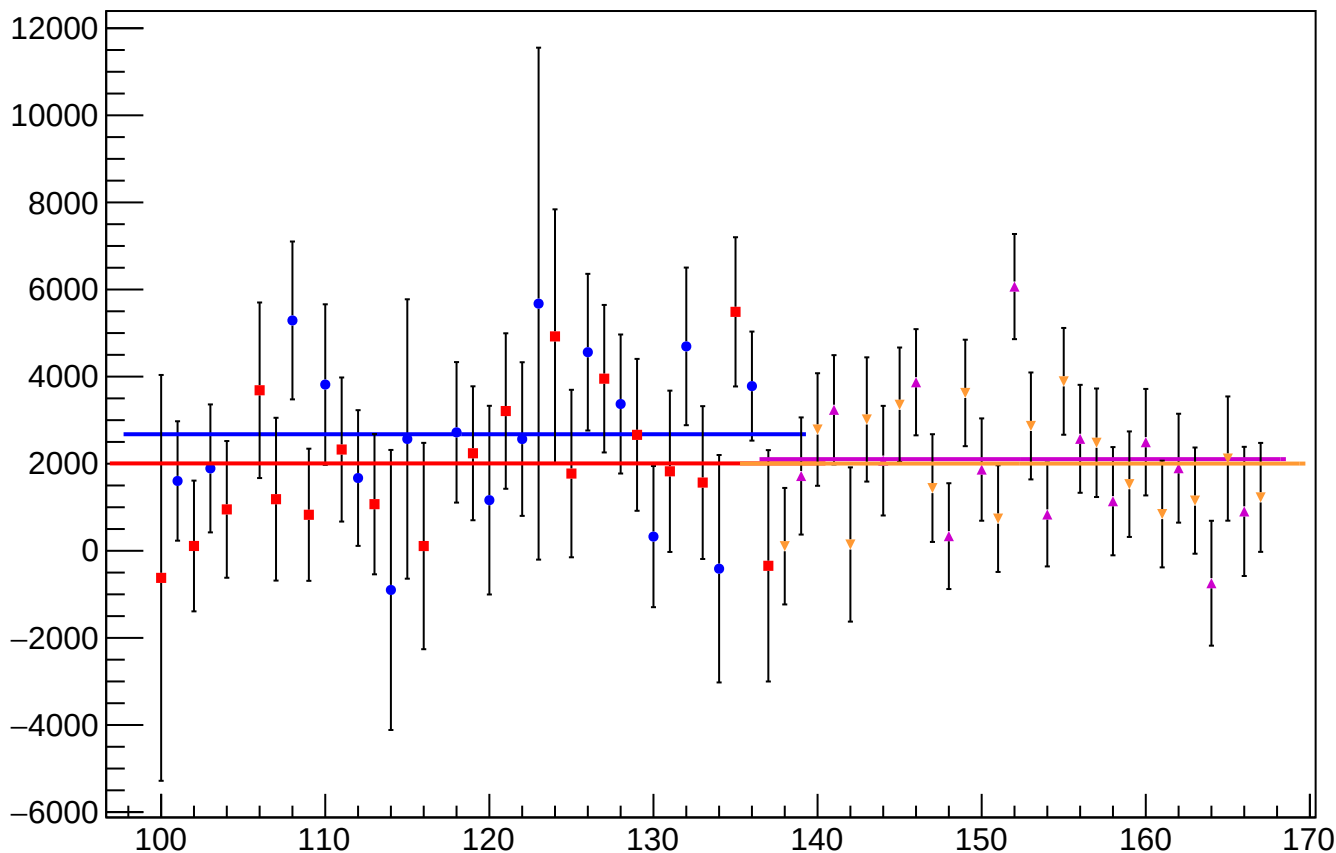
Right: 1508.739+/-0.293 χ^2/NDF : 734837.7/33

In: 1703.533+/-0.292 χ^2/NDF : 962069.7/29

Out: 1716.427+/-0.289 χ^2/NDF : 1213811.9/32

All: 1710.043+/-0.205 χ^2/NDF : 2176866.3/62

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: 2104.891 $\pm$ 336.530 χ^2 /NDF:22.5/13

Left: 2051.704 $\pm$ 232.565 χ^2 /NDF: 35.6/29

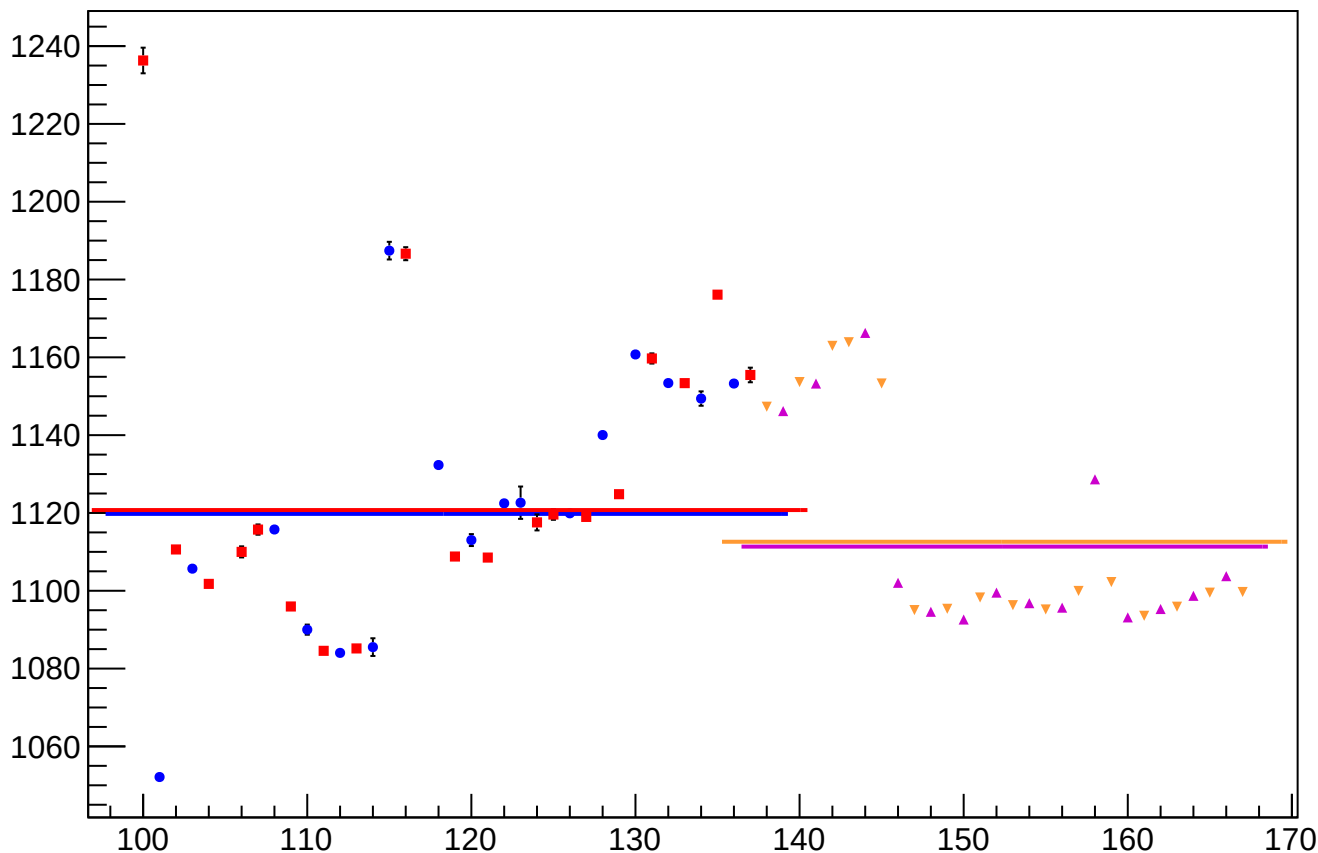
Right: 2330.304 $\pm$ 301.362 χ^2 /NDF: 26.6/35

In: 2319.855 $\pm$ 265.849 χ^2 /NDF:36.2/30

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

All: 2155.692 $\pm$ 184.115 χ^2 /NDF: 62.8/65

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: 1111.351 $\pm$ 0.238 χ^2 /NDF:10563.6/13

Left: 1112.003 $\pm$ 0.164 χ^2 /NDF: 23478.8/29

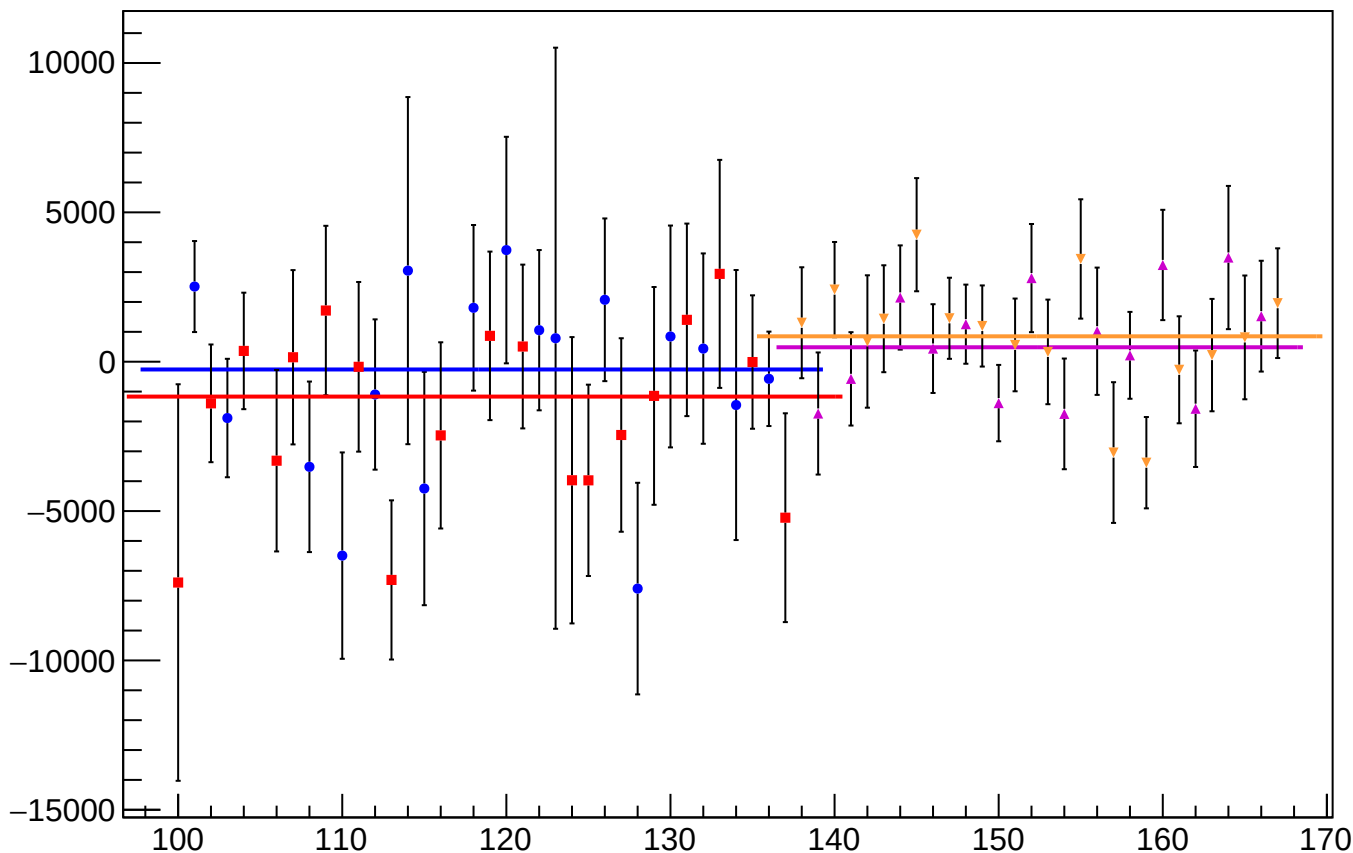
Right: 1120.271 $\pm$ 0.213 χ^2 /NDF: 21816.3/35

In: 1114.513 $\pm$ 0.188 χ^2 /NDF:22910.1/30

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

All: 1115.089 $\pm$ 0.130 χ^2 /NDF: 46238.5/65

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -259.821 ± 655.275 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 850.101 ± 434.935 $\chi^2/\text{NDF}: 17.7/15$

Right Out: -1167.598 ± 662.428 $\chi^2/\text{NDF}: 14.4/18$

Left In: 483.556 ± 450.707 $\chi^2/\text{NDF}: 13.4/13$

Left: 673.354 ± 312.973 $\chi^2/\text{NDF}: 31.5/29$

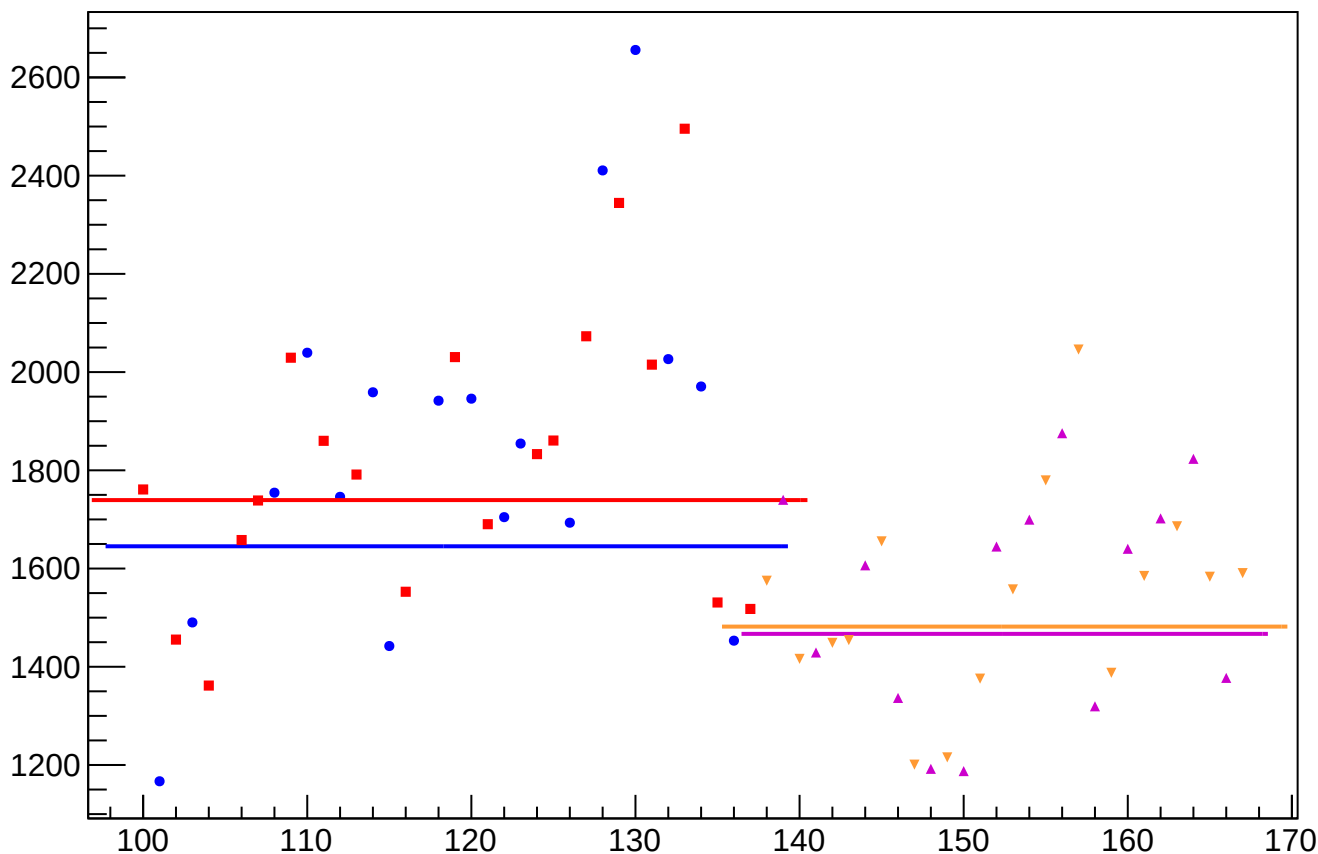
Right: -708.782 ± 465.858 $\chi^2/\text{NDF}: 32.6/35$

In: 244.818 ± 371.347 $\chi^2/\text{NDF}: 31.5/30$

Out: 242.302 ± 363.572 $\chi^2/\text{NDF}: 38.6/34$

All: 243.534 ± 259.789 $\chi^2/\text{NDF}: 70.1/65$

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1645.307 $\pm$ 0.463 χ^2/NDF : 600915.2/16

Left Out: 1481.790 $\pm$ 0.308 χ^2/NDF : 410592.3/15

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

Left In: 1466.972 $\pm$ 0.319 χ^2/NDF : 487163.5/13

Left: 1474.645 $\pm$ 0.221 χ^2/NDF : 898875.0/29

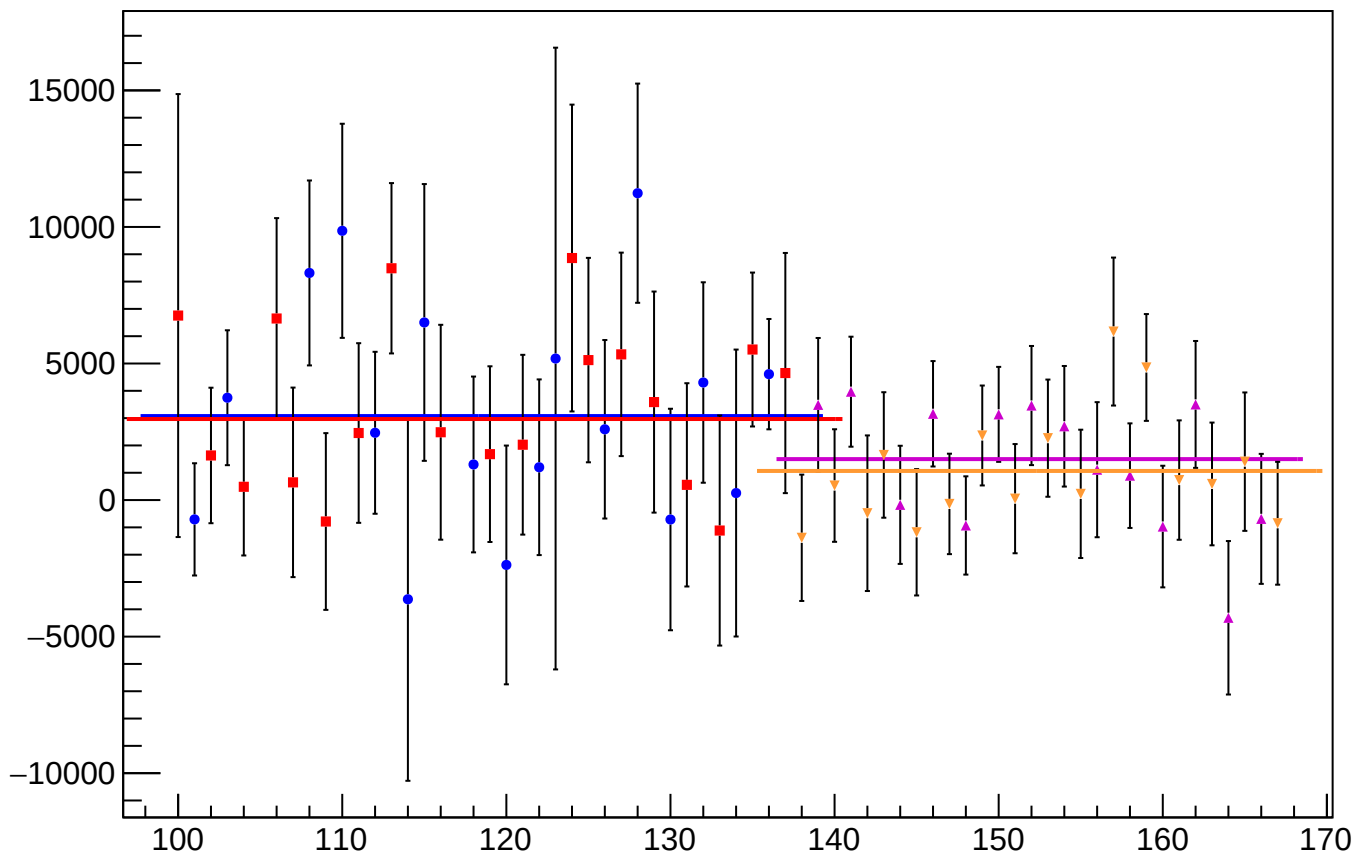
Right: 1691.833 $\pm$ 0.329 χ^2/NDF : 992315.5/35

In: 1524.245 $\pm$ 0.263 χ^2/NDF : 1188638.1/30

Out: 1559.385 $\pm$ 0.257 χ^2/NDF : 992929.3/34

All: 1542.187 $\pm$ 0.184 χ^2/NDF : 2190711.4/65

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: 1499.640 $\pm$ 570.060 χ^2 /NDF:14.5/13

Left: 1274.435 $\pm$ 395.260 χ^2 /NDF: 27.1/29

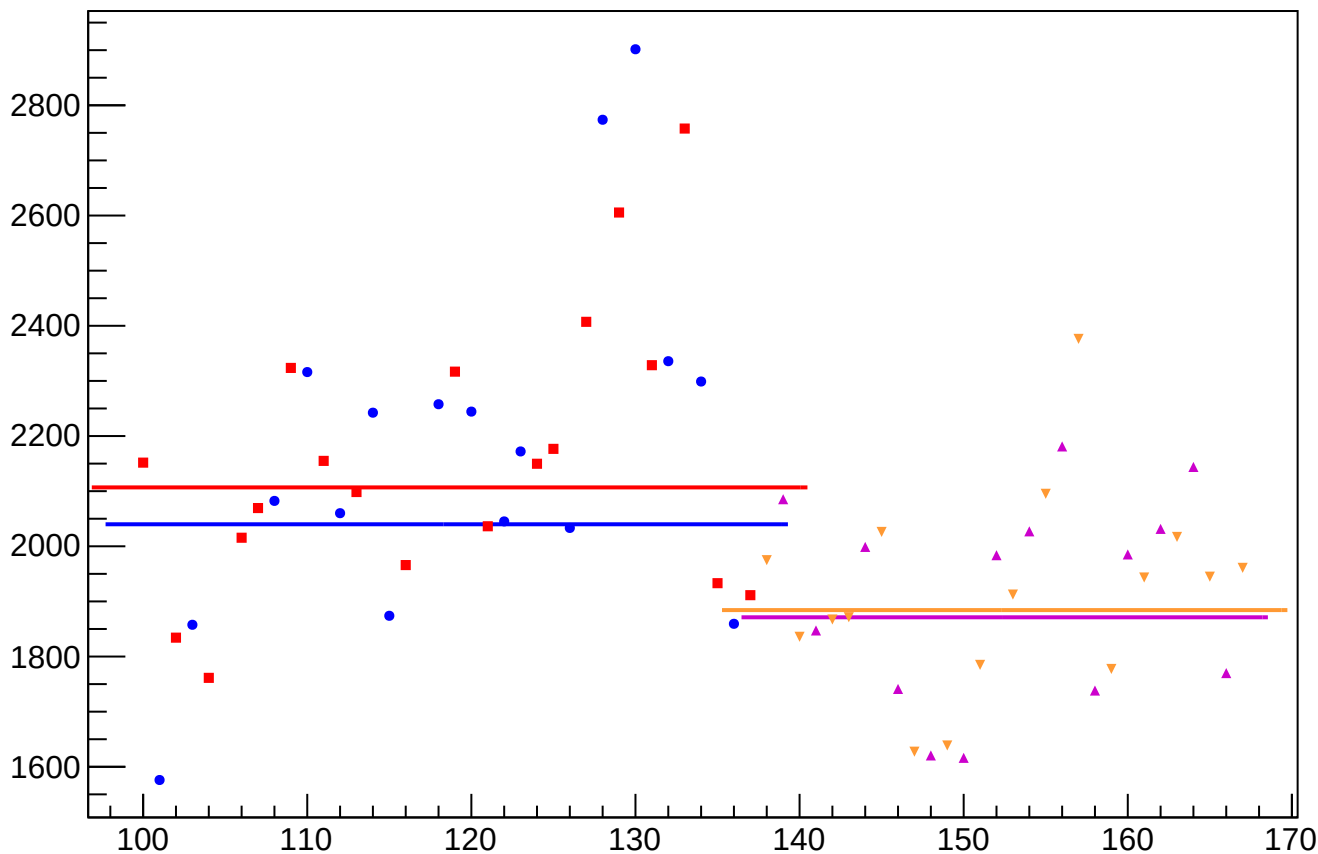
Right: 3021.022 $\pm$ 564.924 χ^2 /NDF: 30.5/35

In: 2028.329 $\pm$ 464.691 χ^2 /NDF:35.7/30

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

All: 1848.451 $\pm$ 323.860 χ^2 /NDF: 64.0/65

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: 1871.198 $\pm$ 0.403 χ^2/NDF : 207028.8/13

Left: 1877.980 $\pm$ 0.279 χ^2/NDF : 399711.2/29

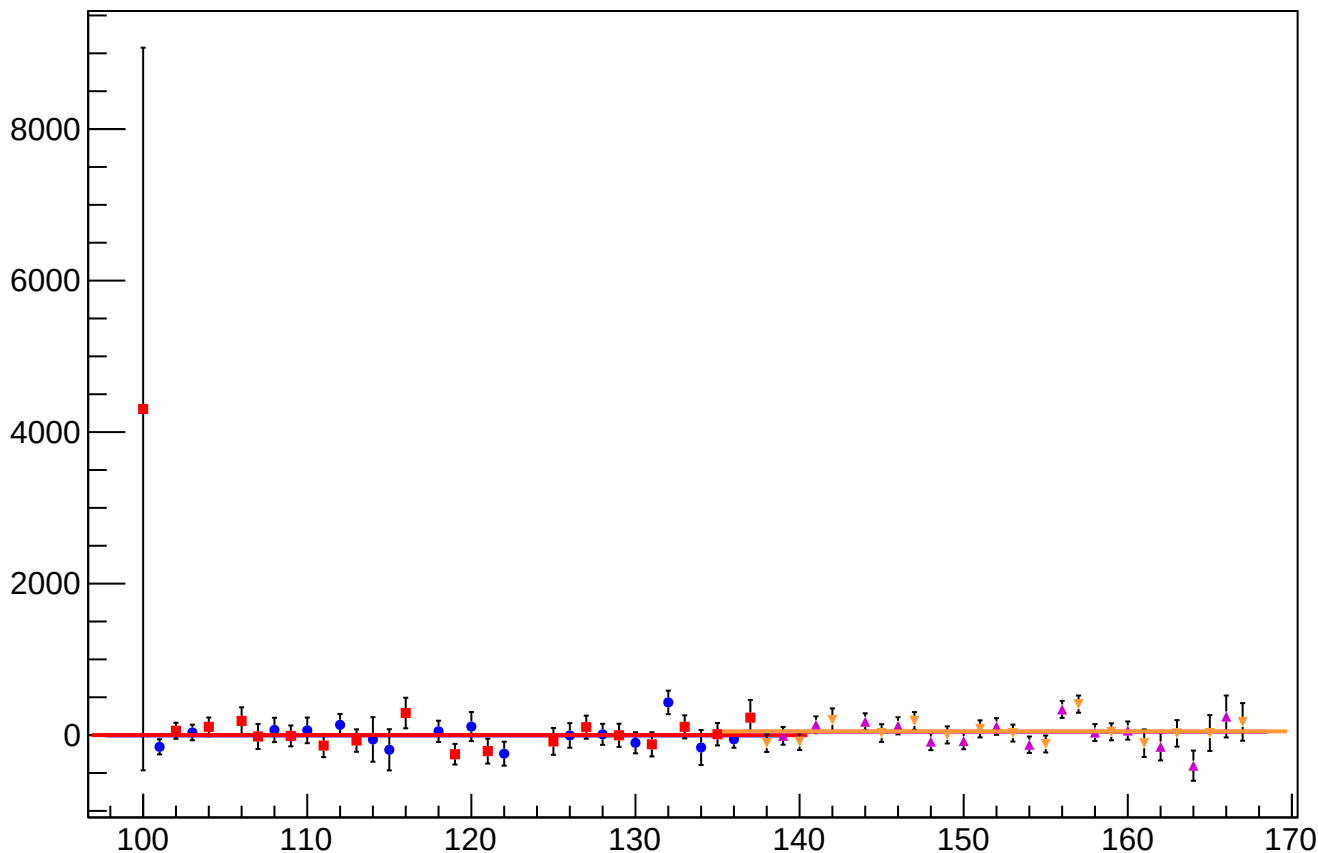
Right: 2073.664 $\pm$ 0.399 χ^2/NDF : 534442.4/35

In: 1927.814 $\pm$ 0.329 χ^2/NDF : 597809.8/30

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

All: 1942.292 $\pm$ 0.229 χ^2/NDF : 1095258.2/65

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 49.578 ± 33.049 $\chi^2/\text{NDF}: 19.2/14$

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

Left In: 44.809 ± 32.553 $\chi^2/\text{NDF}: 22.1/13$

Left: 47.157 ± 23.192 $\chi^2/\text{NDF}: 41.3/28$

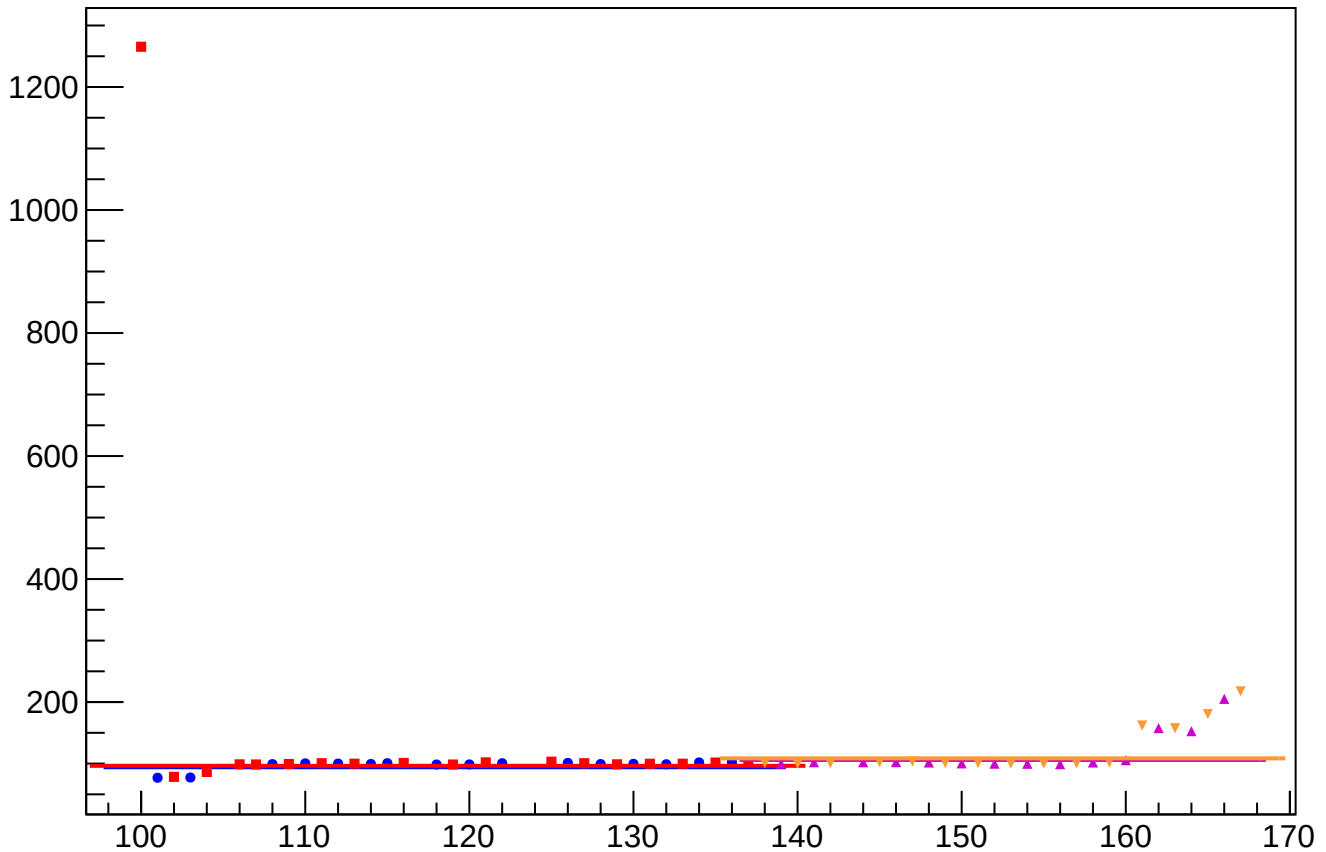
Right: -1.397 ± 25.955 $\chi^2/\text{NDF}: 30.1/33$

In: 23.641 ± 24.357 $\chi^2/\text{NDF}: 39.2/29$

Out: 27.594 ± 24.558 $\chi^2/\text{NDF}: 34.1/32$

All: 25.601 ± 17.294 $\chi^2/\text{NDF}: 73.3/62$

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: 105.940+/-0.023 χ^2/NDF : 575306.3/13

Left: 107.195+/-0.016 χ^2/NDF : 1577930.3/28

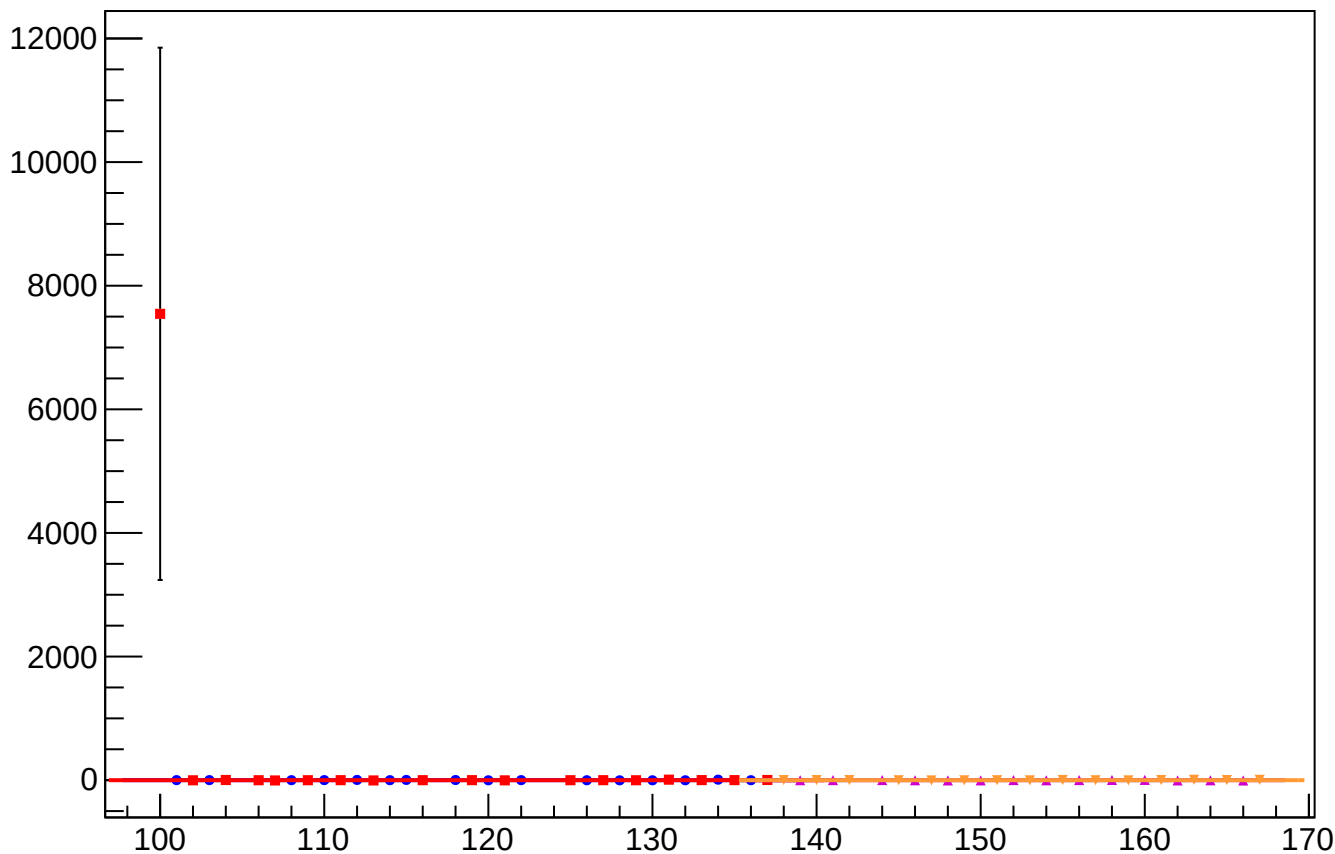
Right: 95.221+/-0.018 χ^2/NDF : 365453.7/33

In: 100.714+/-0.017 χ^2/NDF : 844660.7/29

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

All: 101.879+/-0.012 χ^2/NDF : 2180080.5/62

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: -0.093+/-0.592 χ^2/NDF :20.9/13

Left: -0.214+/-0.413 χ^2/NDF : 41.4/28

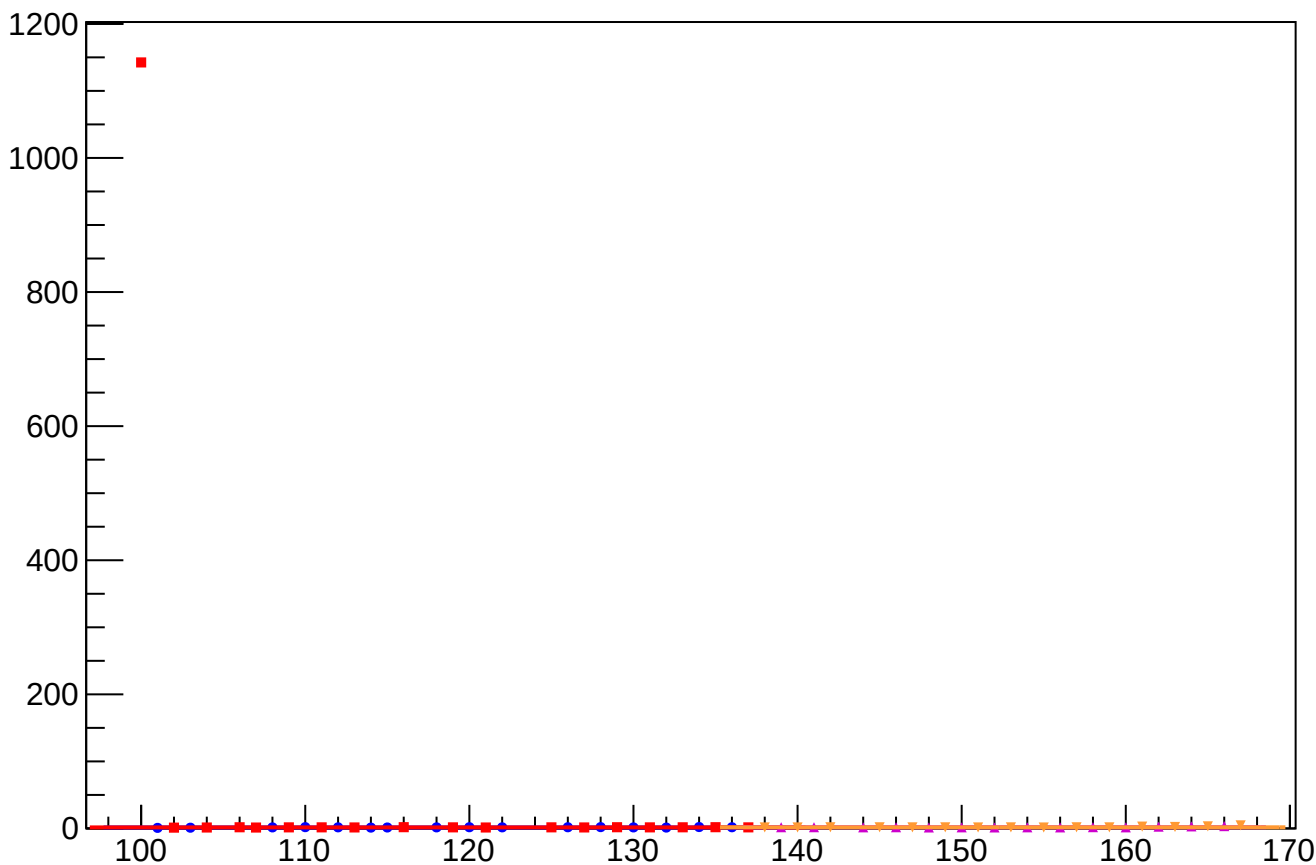
Right: 0.073+/-0.445 χ^2/NDF : 33.2/33

In: 0.156+/-0.427 χ^2/NDF :31.0/29

Out: -0.321+/-0.429 χ^2/NDF :43.1/32

All: -0.081+/-0.302 χ^2/NDF : 74.8/62

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: 1.780+/-0.000 χ^2/NDF :690957.3/13

Left: 1.743+/-0.000 χ^2/NDF : 1761809.5/28

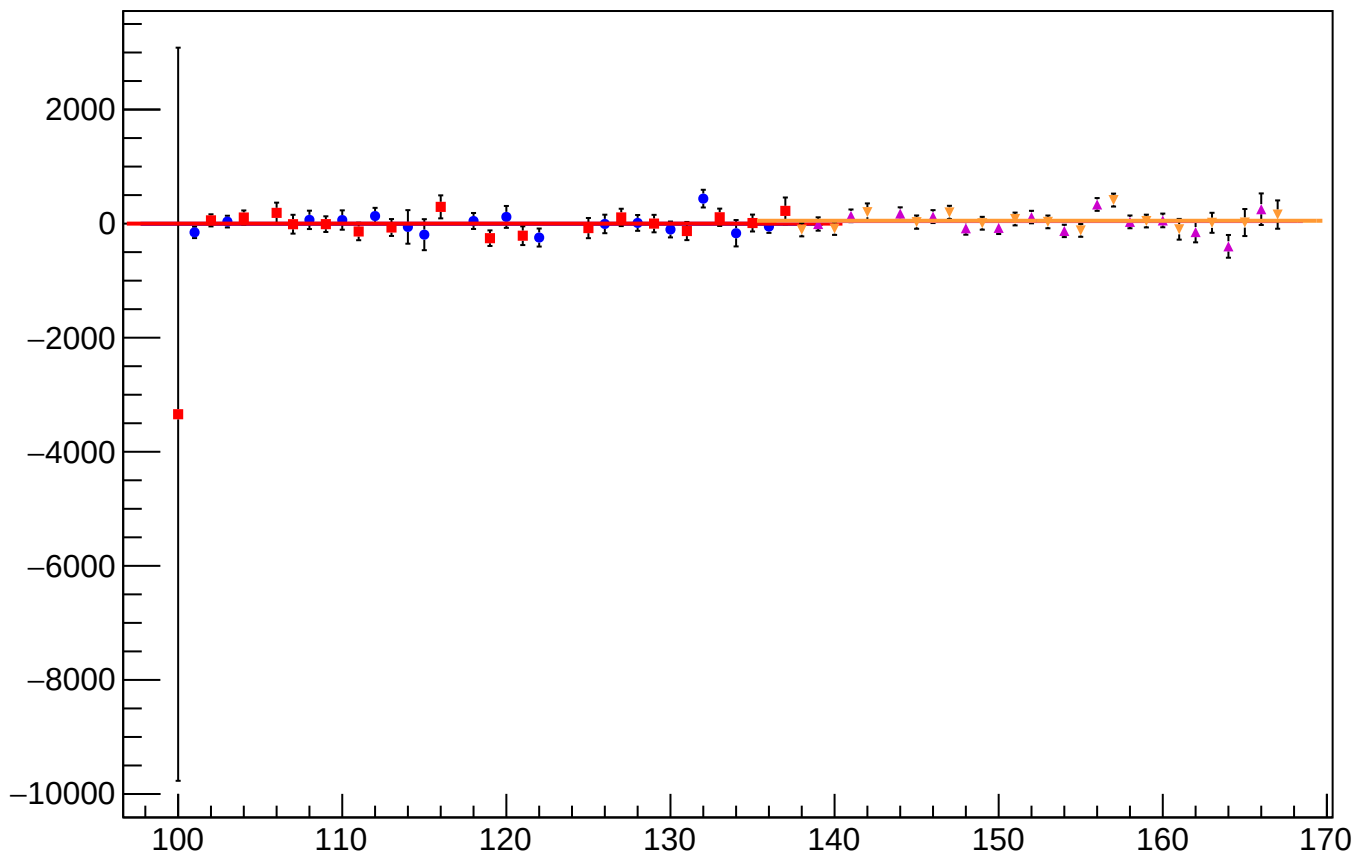
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

In: 1.607+/-0.000 χ^2/NDF :1778786.5/29

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

All: 1.623+/-0.000 χ^2/NDF : 3217609.9/62

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: 44.747 ± 32.563 $\chi^2/\text{NDF}: 21.6/13$

Left: 47.391 ± 23.198 $\chi^2/\text{NDF}: 41.2/28$

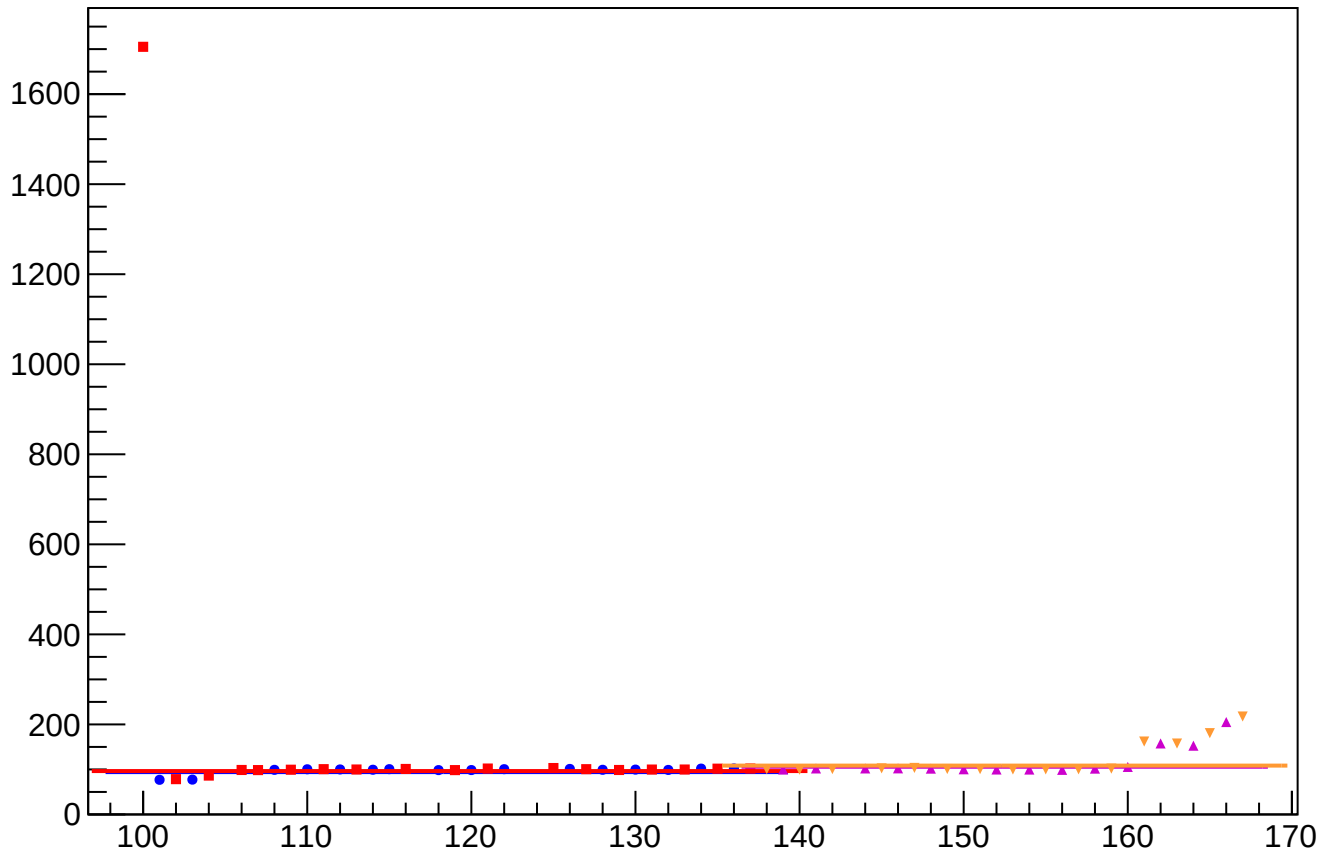
Right: -1.463 ± 25.962 $\chi^2/\text{NDF}: 29.8/33$

In: 23.687 ± 24.364 $\chi^2/\text{NDF}: 38.8/29$

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

All: 25.702 ± 17.299 $\chi^2/\text{NDF}: 72.9/62$

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: 105.969+/-0.023 χ^2/NDF : 575406.3/13

Left: 107.224+/-0.016 χ^2/NDF : 1578613.7/28

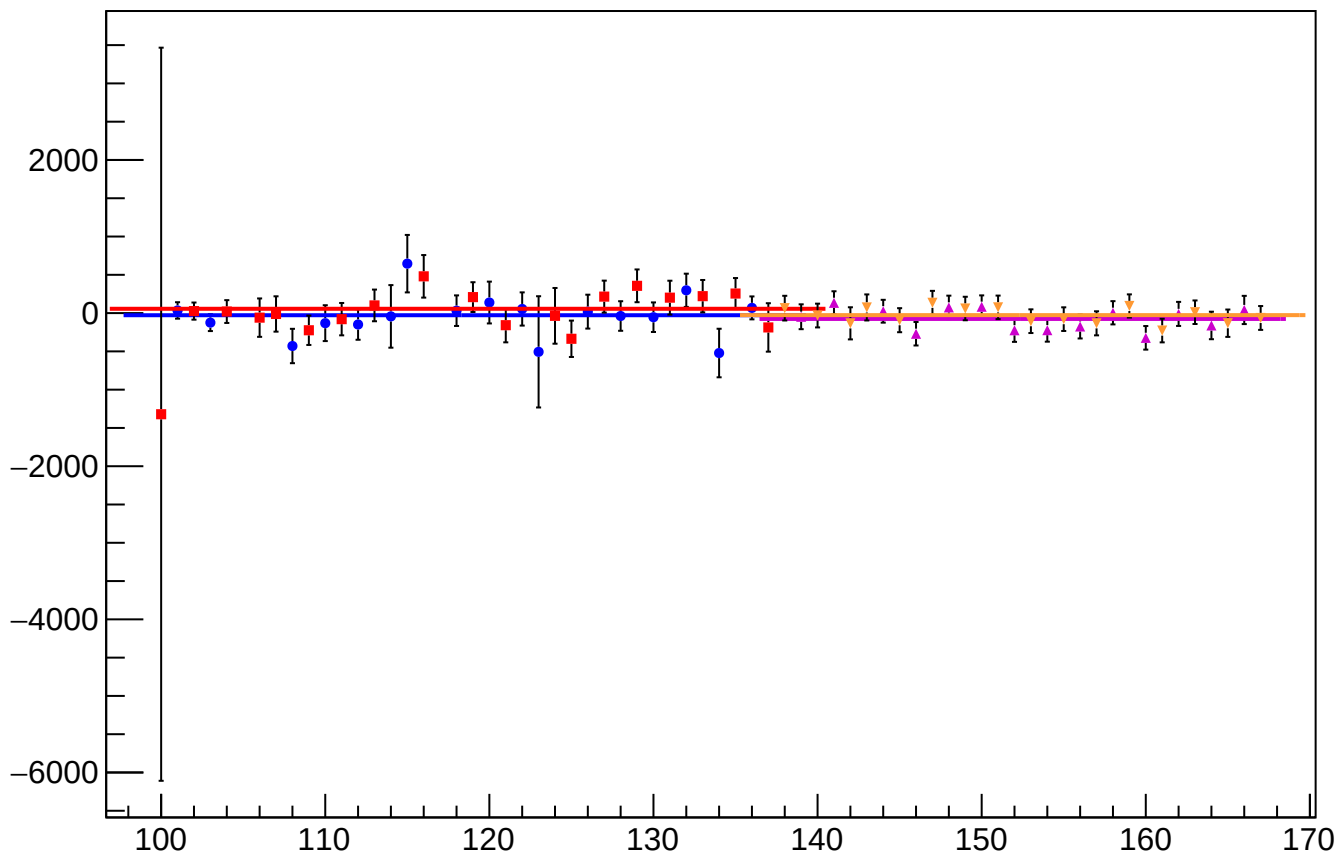
Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33

In: 100.741+/-0.017 χ^2/NDF : 844811.9/29

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

All: 101.902+/-0.012 χ^2/NDF : 2186229.5/62

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: -76.404 ± 41.797 $\chi^2/\text{NDF}: 12.1/13$

Left: -50.337 ± 28.853 $\chi^2/\text{NDF}: 19.4/29$

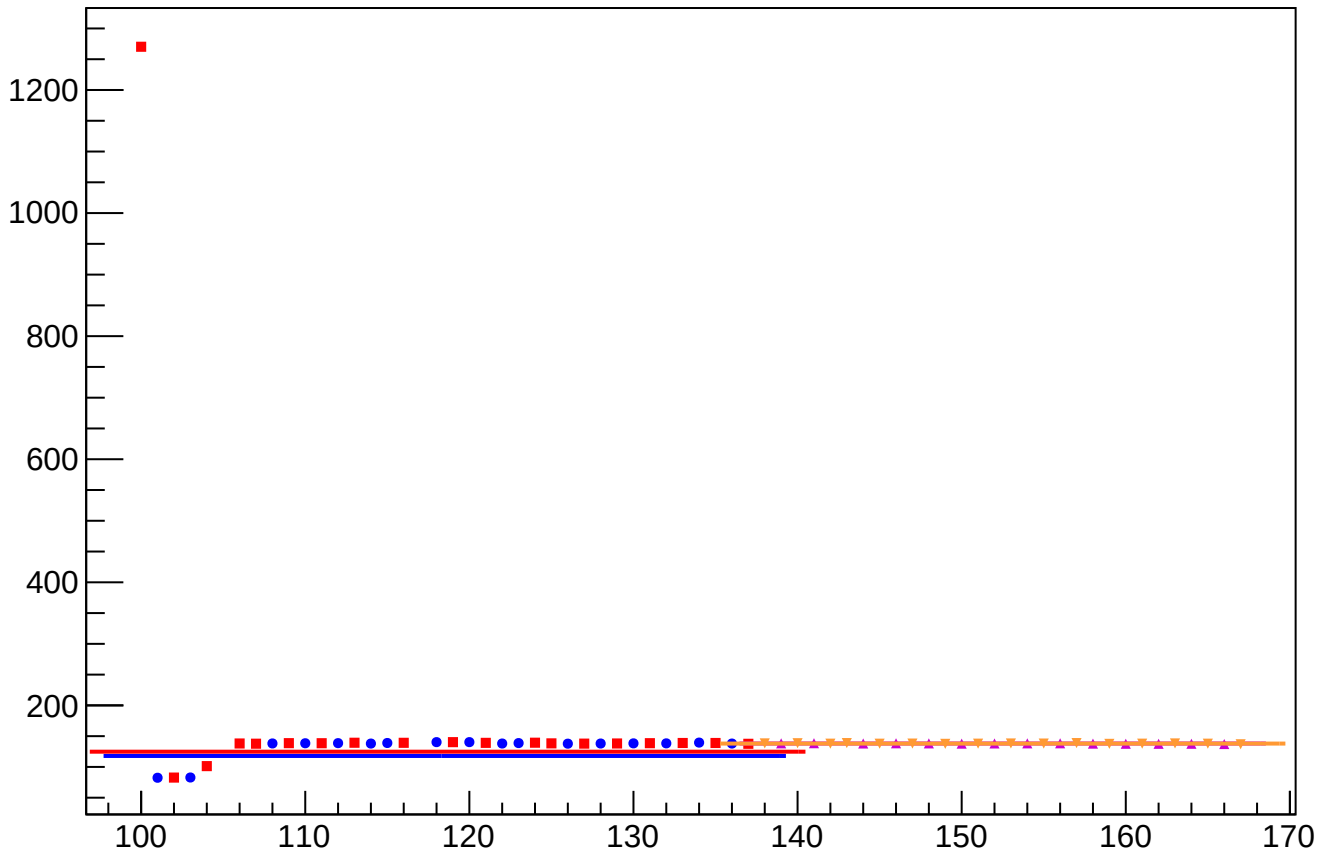
Right: 13.449 ± 33.401 $\chi^2/\text{NDF}: 30.8/35$

In: -54.844 ± 31.167 $\chi^2/\text{NDF}: 27.0/30$

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

All: -23.079 ± 21.835 $\chi^2/\text{NDF}: 52.3/65$

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: 138.054 $\pm$ 0.030 χ^2 /NDF:149.2/13

Left: 137.993 $\pm$ 0.020 χ^2 /NDF: 447.5/29

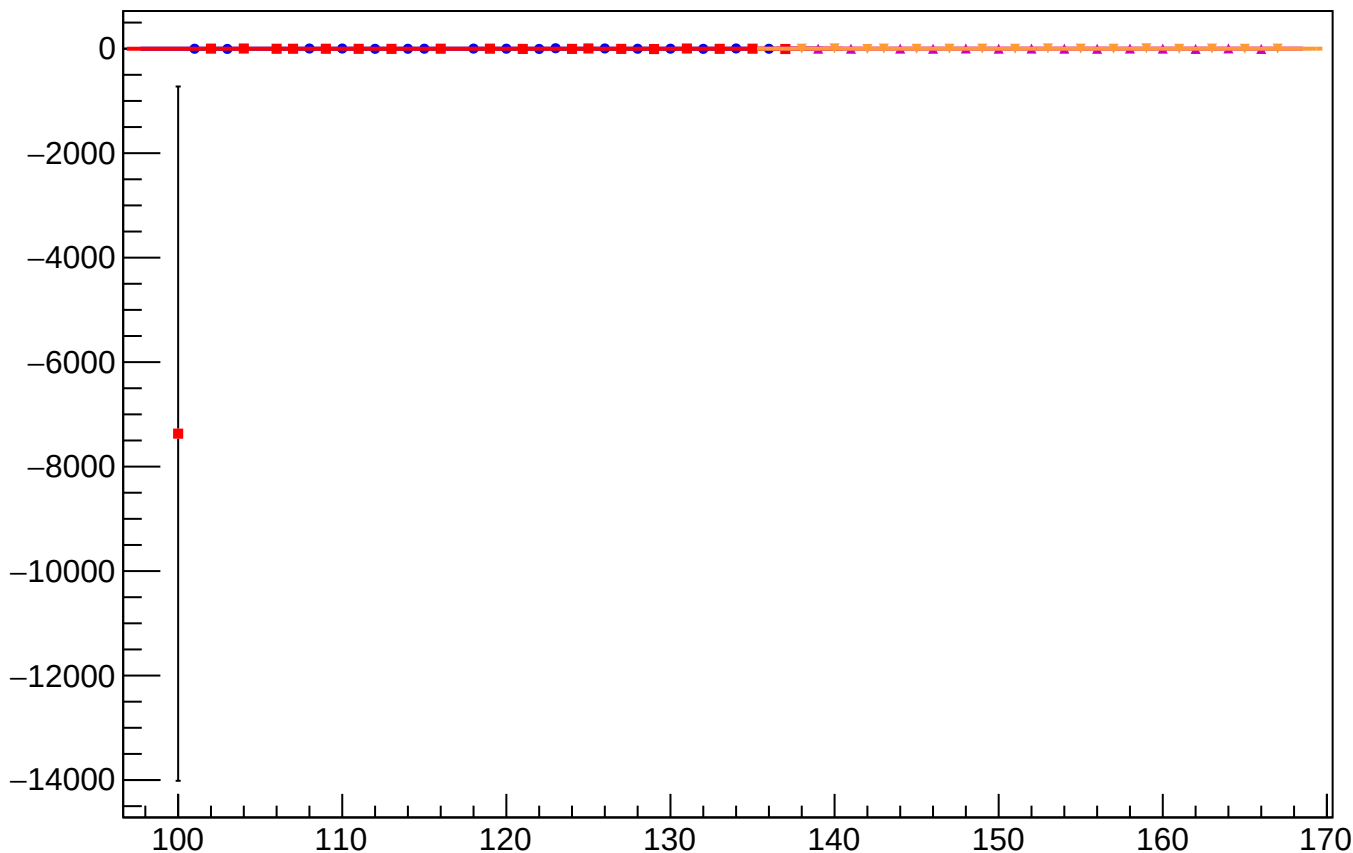
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

In: 129.069 $\pm$ 0.022 χ^2 /NDF:874921.0/30

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

All: 130.826 $\pm$ 0.015 χ^2 /NDF: 1547247.6/65

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: 1.000+/-0.710 χ^2/NDF : 12.4/13

Left: 0.729+/-0.494 χ^2/NDF : 33.1/29

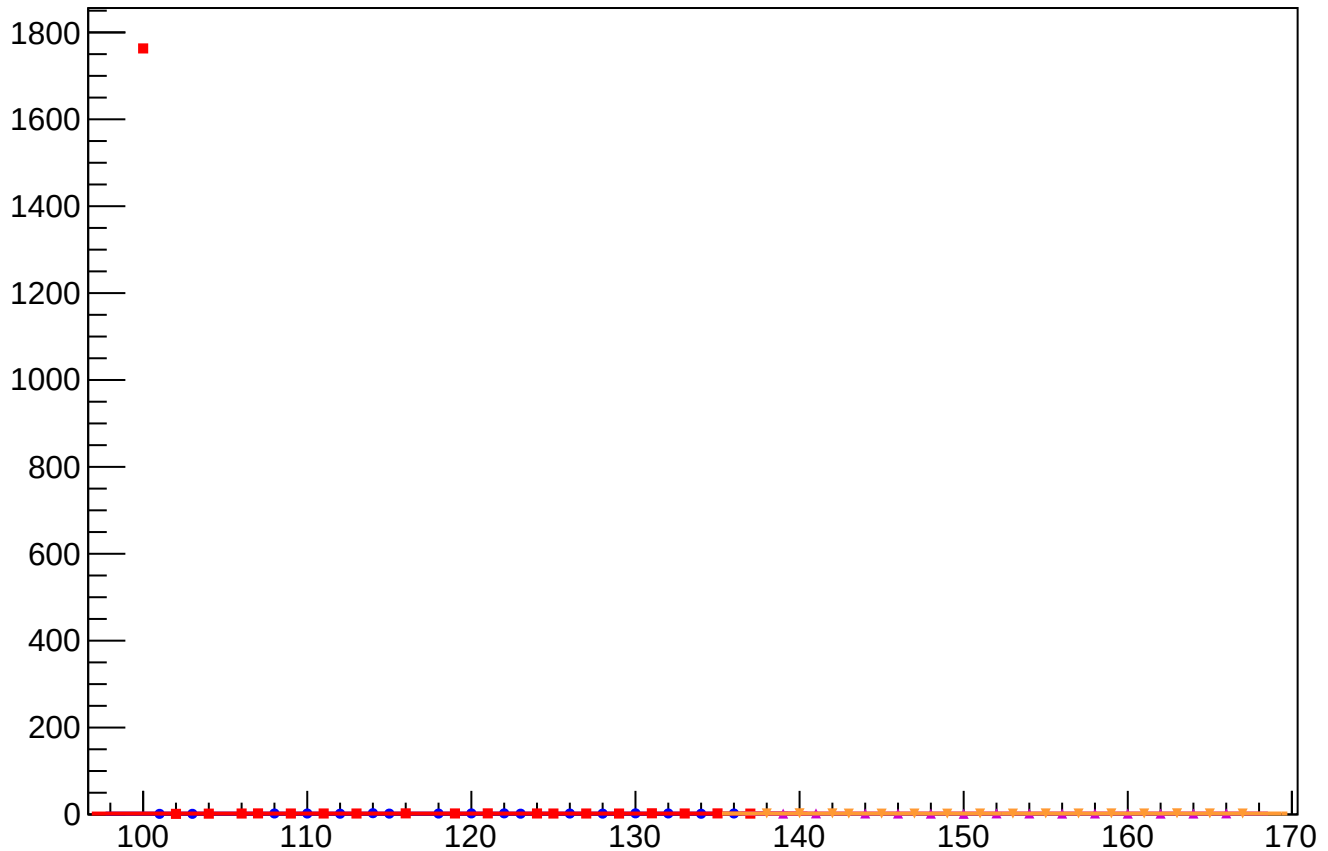
Right: -0.673+/-0.587 χ^2/NDF : 26.3/35

In: 0.264+/-0.534 χ^2/NDF : 27.6/30

Out: 0.031+/-0.535 χ^2/NDF : 35.1/34

All: 0.148+/-0.378 χ^2/NDF : 62.8/65

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: 2.102 $\pm$ 0.001 χ^2 /NDF:298334.2/13

Left: 2.142 $\pm$ 0.000 χ^2 /NDF: 524201.8/29

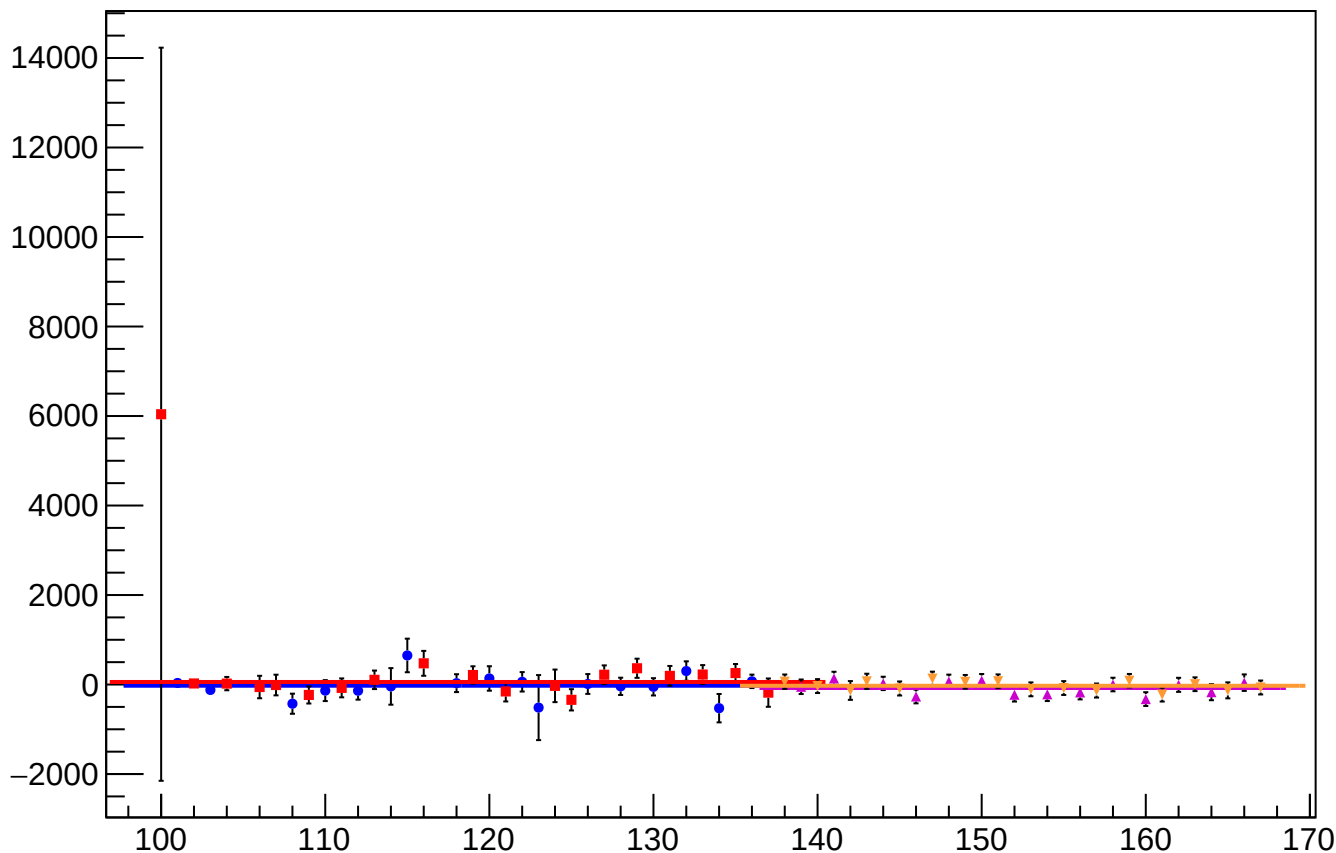
Right: 1.962 $\pm$ 0.000 χ^2 /NDF: 1074296.8/35

In: 2.001 $\pm$ 0.000 χ^2 /NDF:884683.6/30

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

All: 2.068 $\pm$ 0.000 χ^2 /NDF: 1708595.0/65

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: -77.086 ± 41.808 χ^2/NDF : 12.1/13

Left: -51.265 ± 28.861 χ^2/NDF : 19.2/29

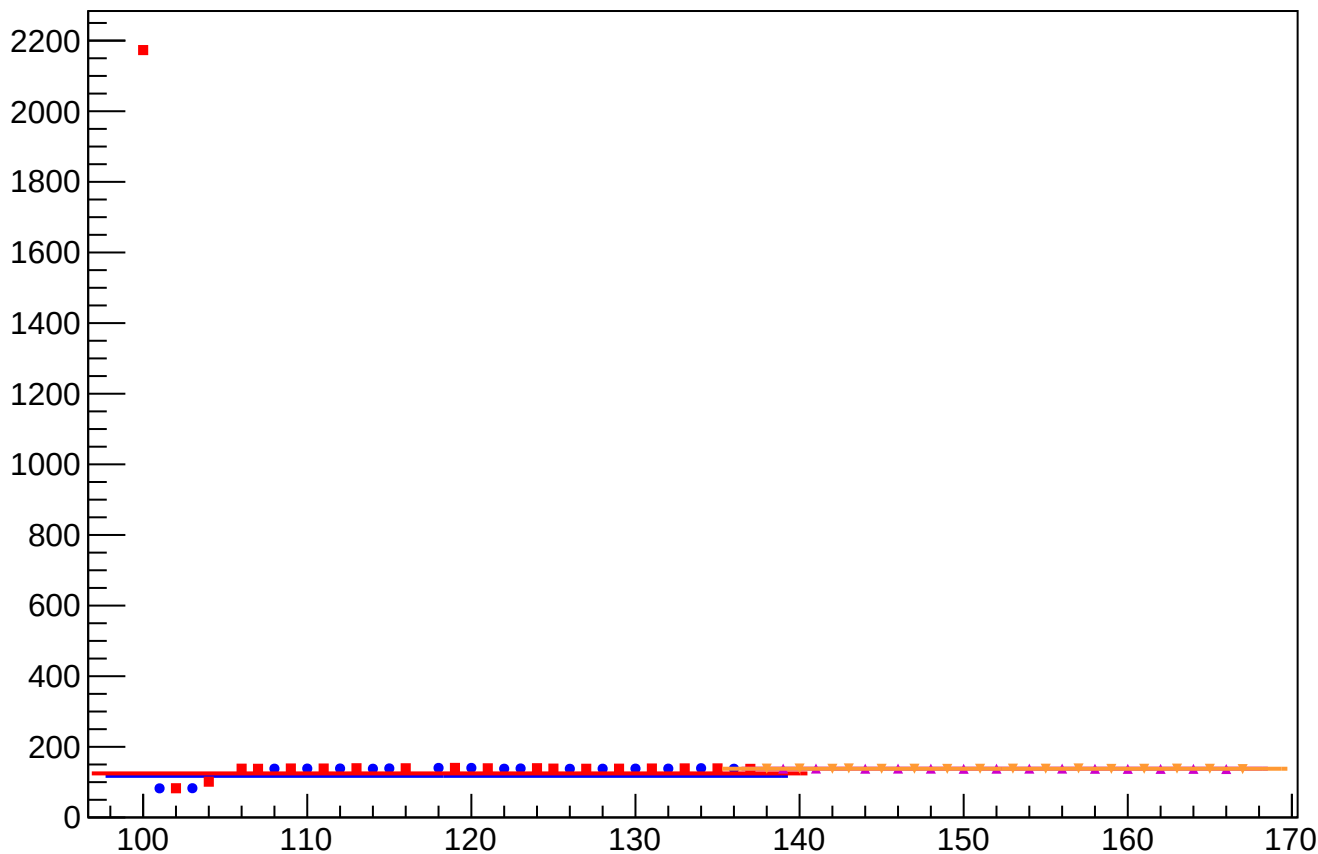
Right: 14.681 ± 33.410 χ^2/NDF : 31.4/35

In: -54.521 ± 31.176 χ^2/NDF : 27.2/30

Out: 7.216 ± 30.607 χ^2/NDF : 23.7/34

All: -23.084 ± 21.841 χ^2/NDF : 52.9/65

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: 138.092 $\pm$ 0.030 χ^2/NDF : 147.7/13

Left: 138.030 $\pm$ 0.020 χ^2/NDF : 446.0/29

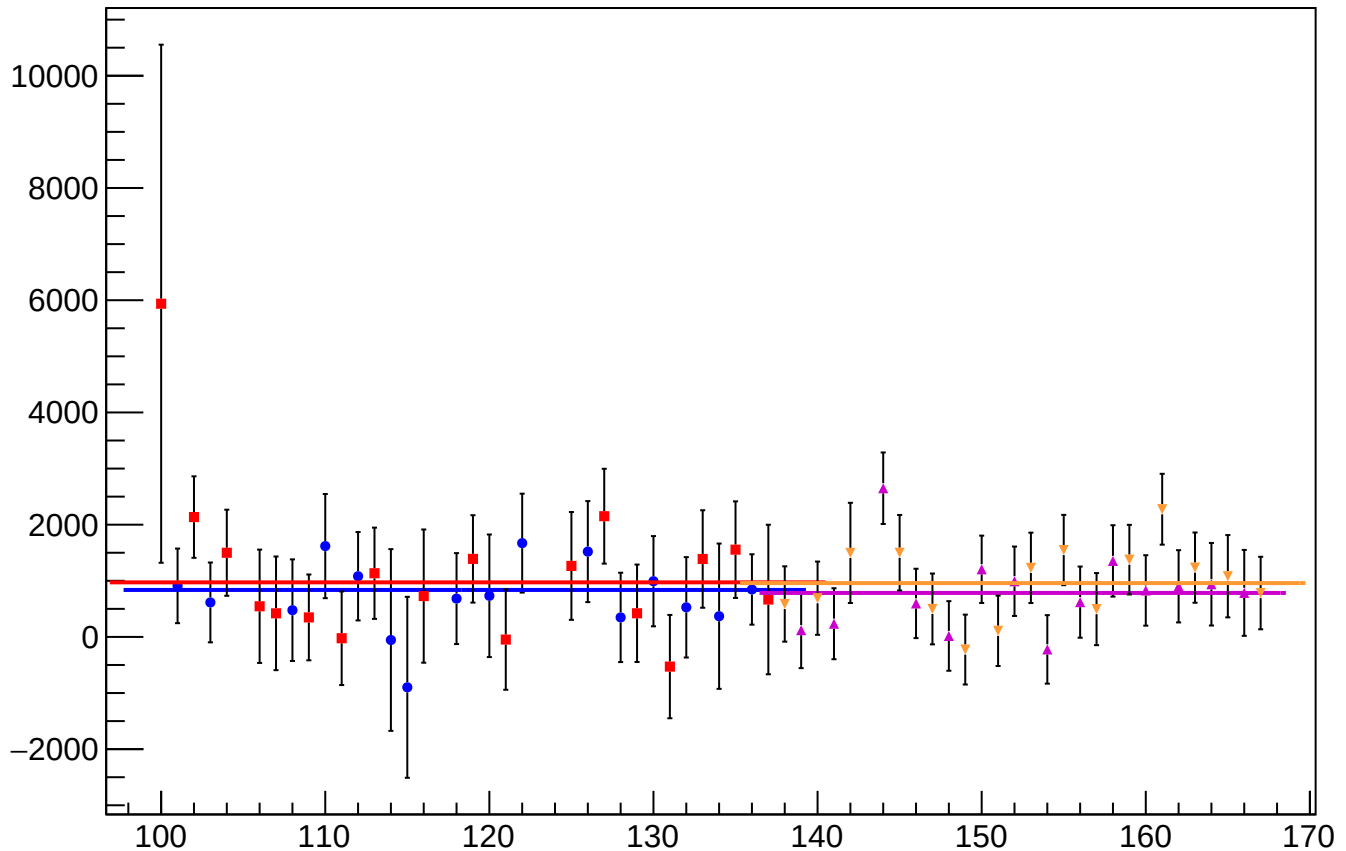
Right: 121.231 $\pm$ 0.024 χ^2/NDF : 1268326.7/35

In: 129.104 $\pm$ 0.022 χ^2/NDF : 874970.6/30

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

All: 130.852 $\pm$ 0.015 χ^2/NDF : 1558330.7/65

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 959.216+/-168.816 χ^2/NDF : 14.2/14

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

Left In: 783.659+/-171.735 χ^2/NDF : 16.2/13

Left: 872.942+/-120.390 χ^2/NDF : 30.9/28

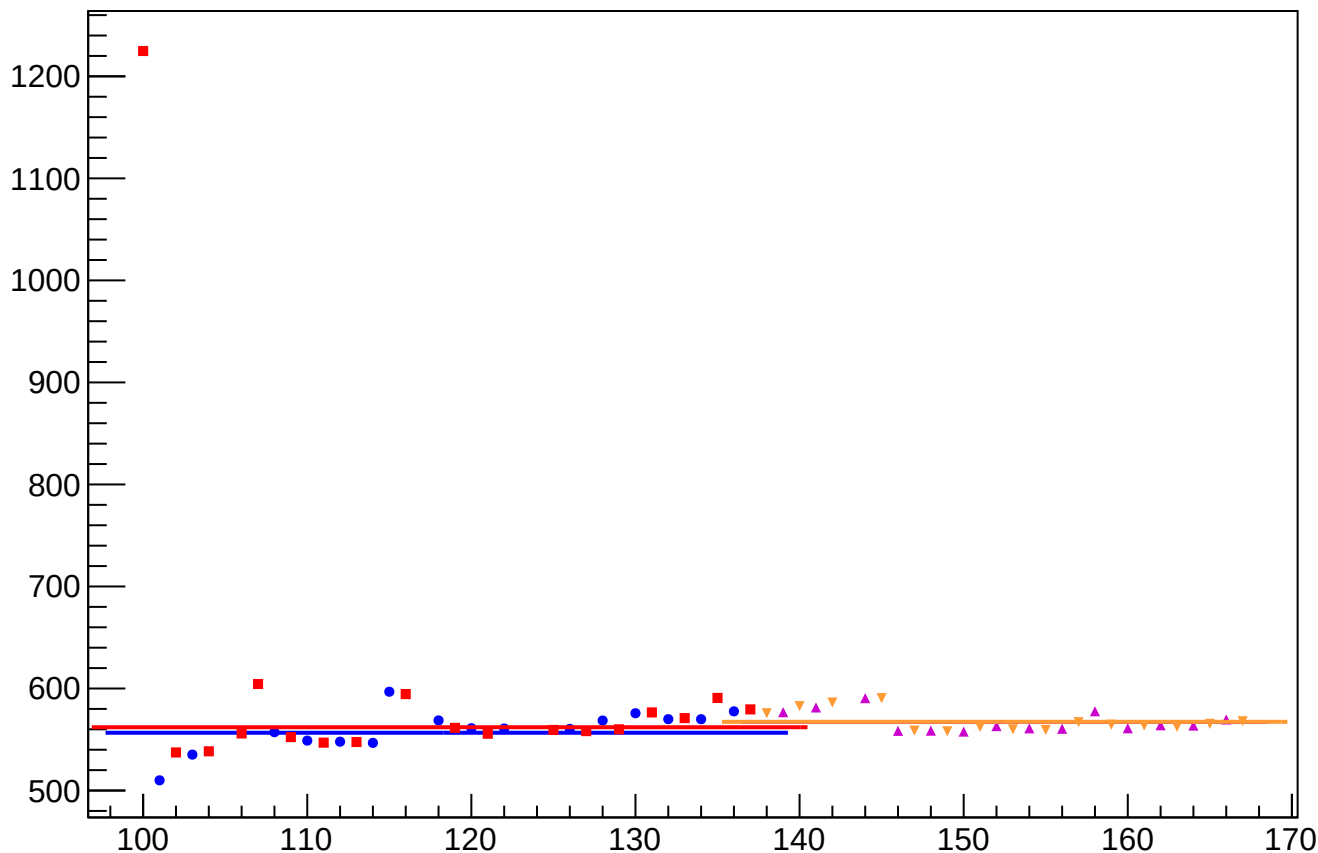
Right: 905.821+/-151.634 χ^2/NDF : 19.2/33

In: 804.315+/-134.469 χ^2/NDF : 20.9/29

Out: 964.320+/-132.241 χ^2/NDF : 28.4/32

All: 885.654+/-94.286 χ^2/NDF : 50.1/62

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: 567.184 $\pm$ 0.121 χ^2 /NDF: 6729.6/13

Left: 567.265 $\pm$ 0.085 χ^2 /NDF: 13216.4/28

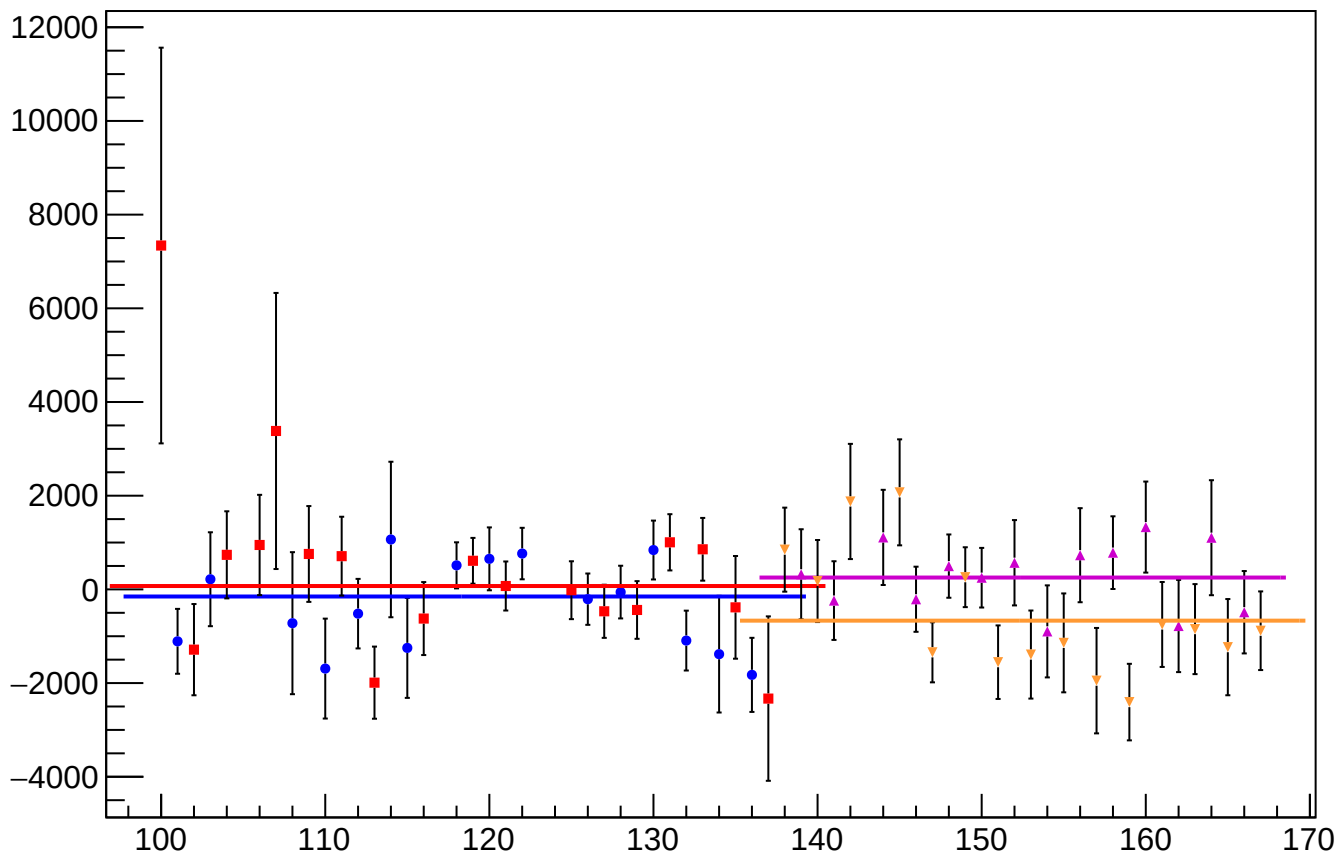
Right: 559.386 $\pm$ 0.107 χ^2 /NDF: 74603.5/33

In: 563.103 $\pm$ 0.095 χ^2 /NDF: 28039.8/29

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

All: 564.219 $\pm$ 0.067 χ^2 /NDF: 91132.2/62

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -667.398+/-226.597 χ^2/NDF : 25.5/14

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

Left In: 252.821+/-228.565 χ^2/NDF : 7.3/13

Left: -211.267+/-160.920 χ^2/NDF : 41.0/28

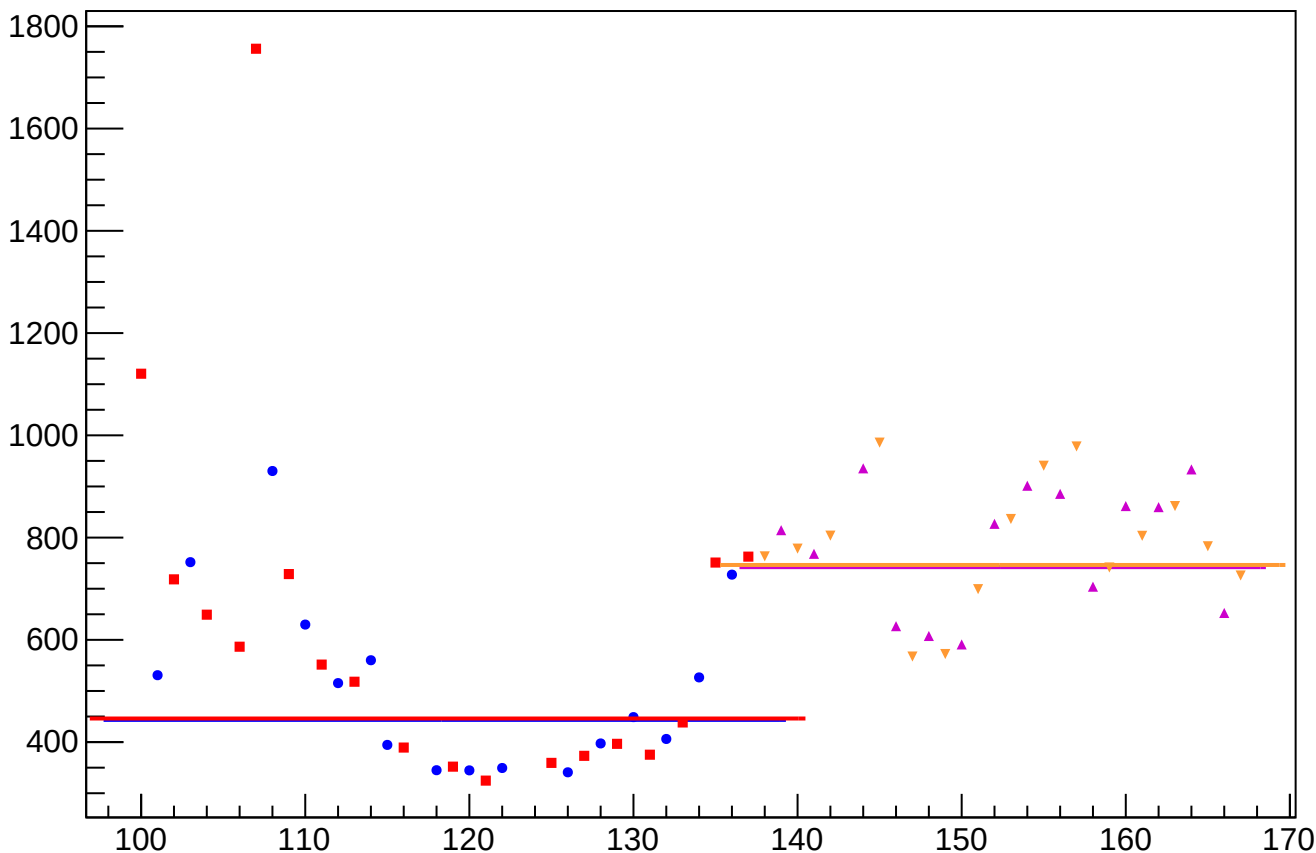
Right: -39.177+/-126.832 χ^2/NDF : 48.1/33

In: 3.120+/-141.451 χ^2/NDF : 31.6/29

Out: -211.602+/-140.300 χ^2/NDF : 57.0/32

All: -105.118+/-99.611 χ^2/NDF : 89.8/62

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: 742.196+/-0.162 χ^2/NDF : 576516.4/13

Left: 744.340+/-0.114 χ^2/NDF : 1197185.0/28

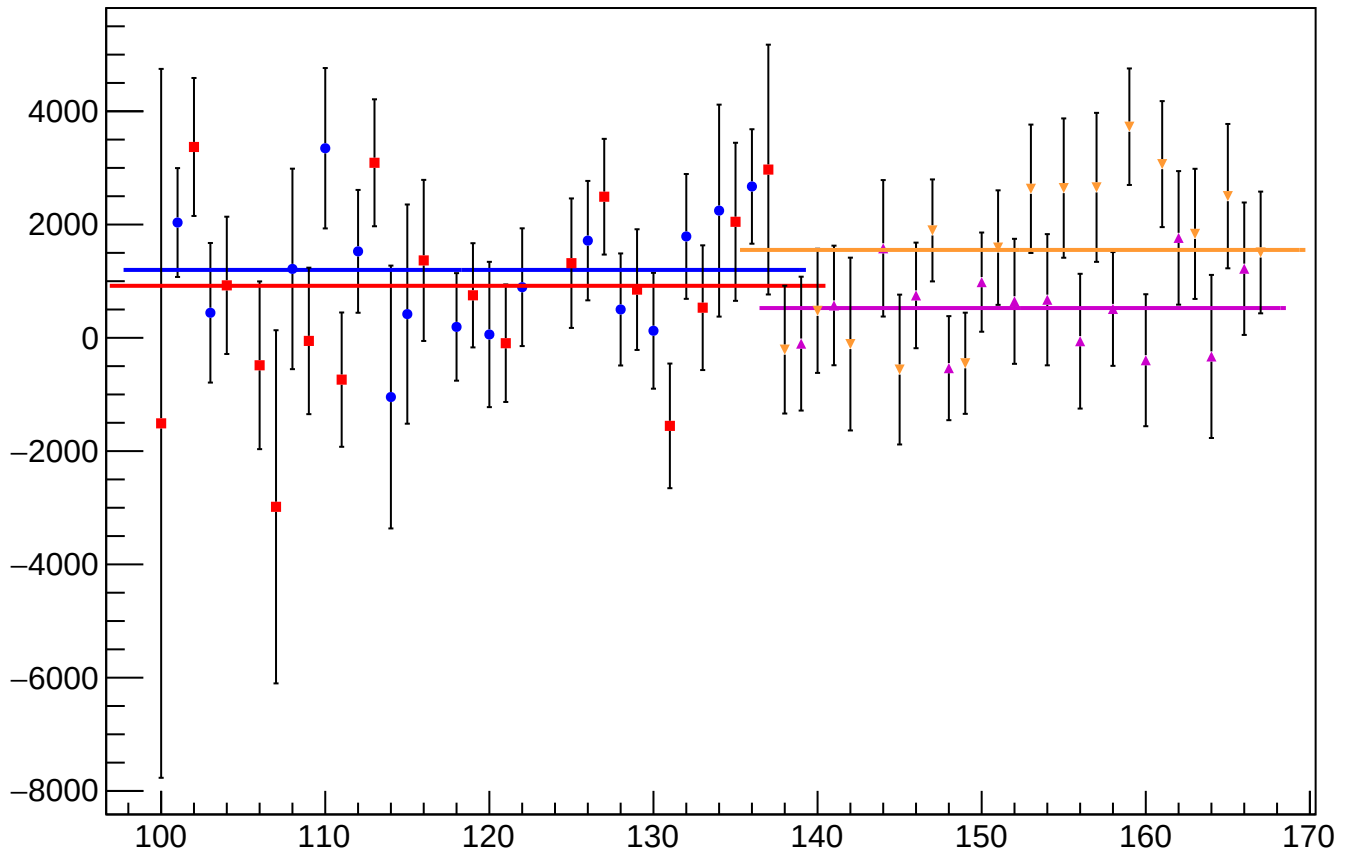
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

In: 557.868+/-0.100 χ^2/NDF : 3745598.3/29

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

All: 559.582+/-0.070 χ^2/NDF : 7992515.4/62

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: 525.711 $\pm$ 290.168 χ^2 /NDF:5.4/13

Left: 1043.487 $\pm$ 204.239 χ^2 /NDF: 33.4/28

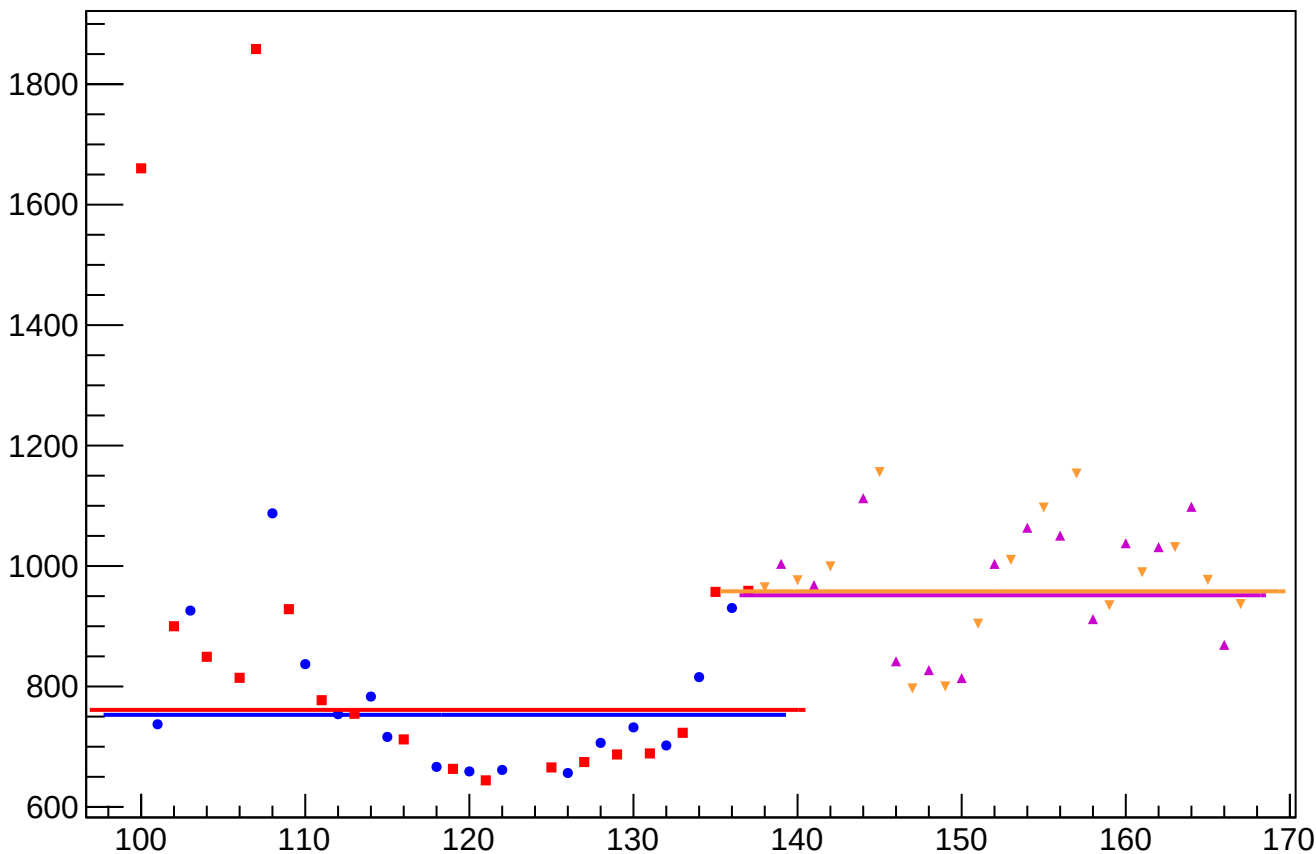
Right: 1057.763 $\pm$ 208.076 χ^2 /NDF: 34.9/33

In: 856.505 $\pm$ 206.951 χ^2 /NDF:19.3/29

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

All: 1050.492 $\pm$ 145.756 χ^2 /NDF: 68.3/62

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: 951.467+/-0.205 χ^2/NDF : 244838.7/13

Left: 954.776+/-0.144 χ^2/NDF : 510523.5/28

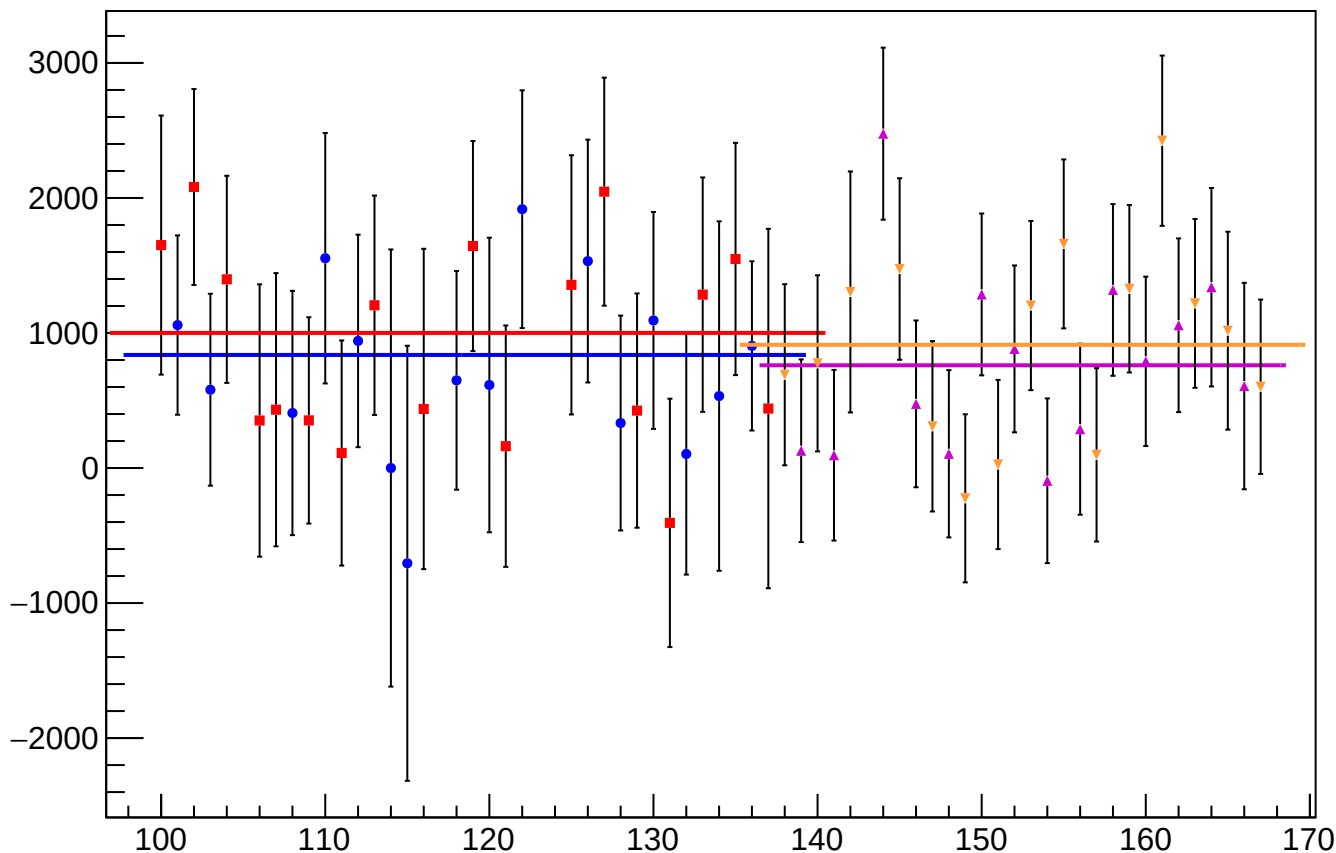
Right: 757.076+/-0.147 χ^2/NDF : 770443.9/33

In: 853.923+/-0.146 χ^2/NDF : 957364.7/29

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

All: 857.765+/-0.103 χ^2/NDF : 2200517.9/62

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 912.485 $\pm$ 168.669 χ^2 /NDF:17.2/14

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

Left In: 760.938 $\pm$ 171.597 χ^2 /NDF:15.5/13

Left: 838.016 $\pm$ 120.289 χ^2 /NDF: 33.2/28

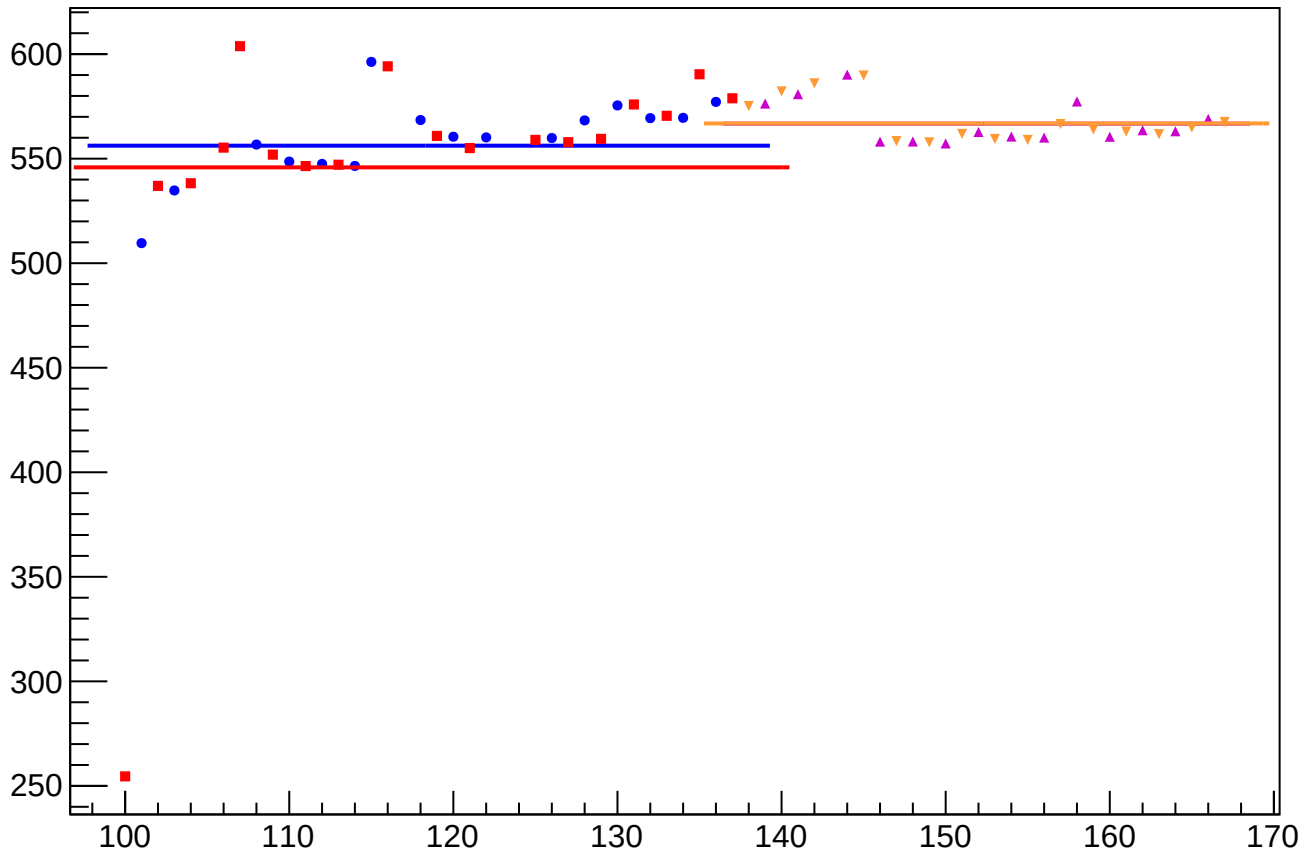
Right: 922.267 $\pm$ 149.737 χ^2 /NDF: 18.5/33

In: 790.581 $\pm$ 134.363 χ^2 /NDF:21.3/29

Out: 947.499 $\pm$ 130.945 χ^2 /NDF:29.9/32

All: 871.061 $\pm$ 93.777 χ^2 /NDF: 51.9/62

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 566.849 $\pm$ 0.119 χ^2 /NDF:6443.8/14

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

Left In: 566.728 $\pm$ 0.121 χ^2 /NDF:6759.2/13

Left: 566.790 $\pm$ 0.085 χ^2 /NDF: 13203.5/28

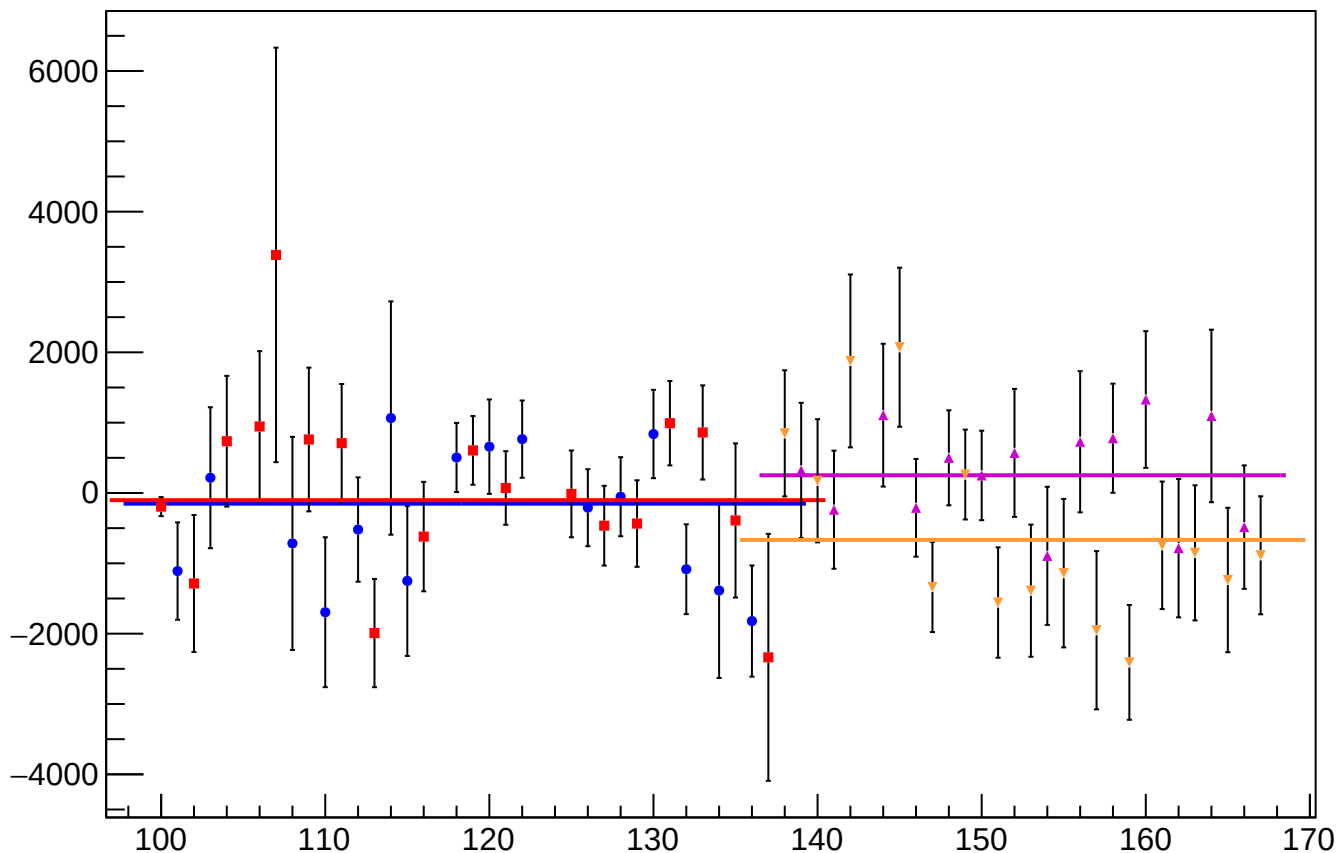
Right: 550.825 $\pm$ 0.106 χ^2 /NDF: 228450.1/33

In: 562.659 $\pm$ 0.095 χ^2 /NDF:28083.7/29

Out: 558.504 $\pm$ 0.093 χ^2 /NDF:226406.5/32

All: 560.528 $\pm$ 0.066 χ^2 /NDF: 255471.0/62

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -667.088 $\pm$ 226.494 χ^2/NDF : 25.5/14

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

Left In: 252.472 $\pm$ 228.435 χ^2/NDF : 7.3/13

Left: -211.231 $\pm$ 160.837 χ^2/NDF : 41.0/28

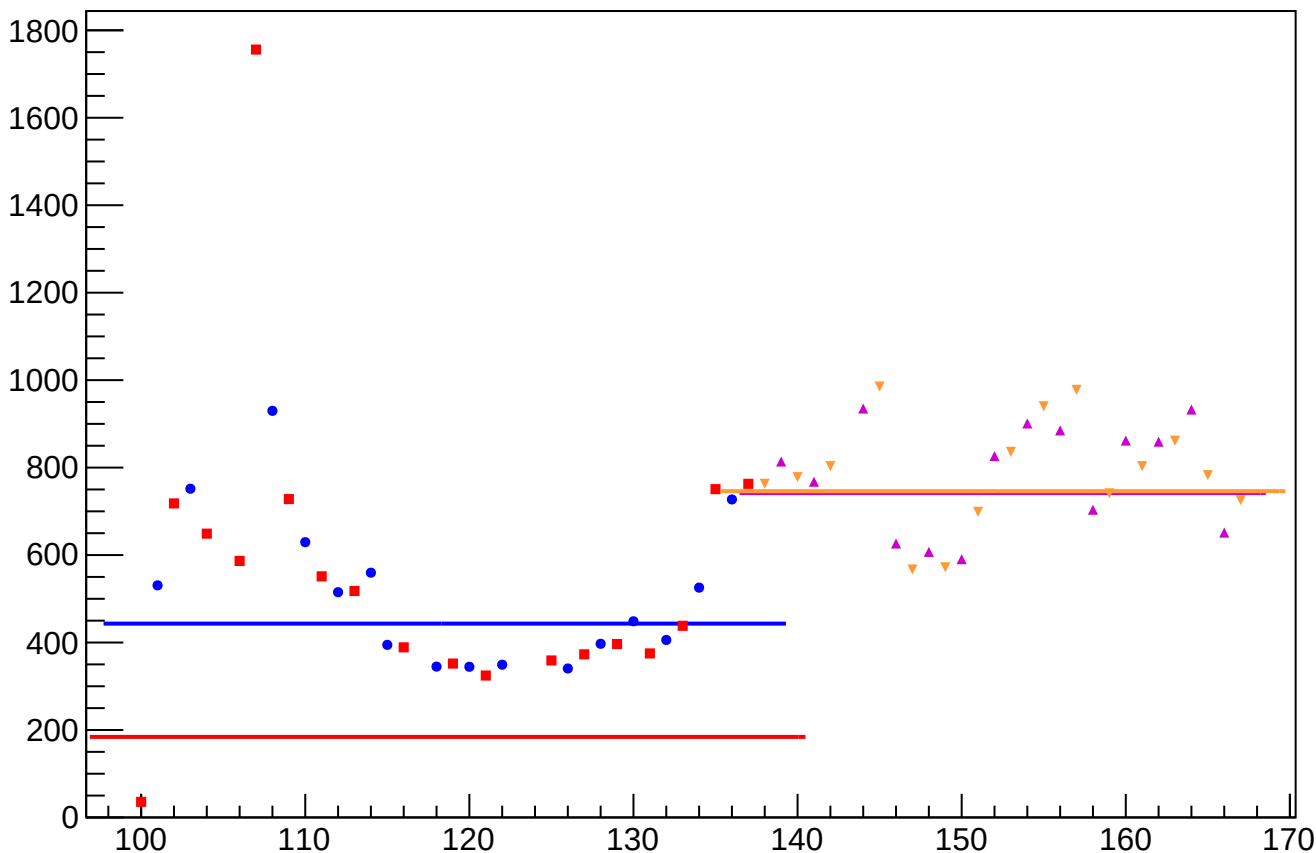
Right: -115.099 $\pm$ 92.423 χ^2/NDF : 45.6/33

In: 3.260 $\pm$ 141.378 χ^2/NDF : 31.5/29

Out: -206.285 $\pm$ 97.269 χ^2/NDF : 53.8/32

All: -138.963 $\pm$ 80.135 χ^2/NDF : 86.8/62

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: 741.761+/-0.162 χ^2/NDF : 577183.9/13

Left: 743.954+/-0.114 χ^2/NDF : 1198323.5/28

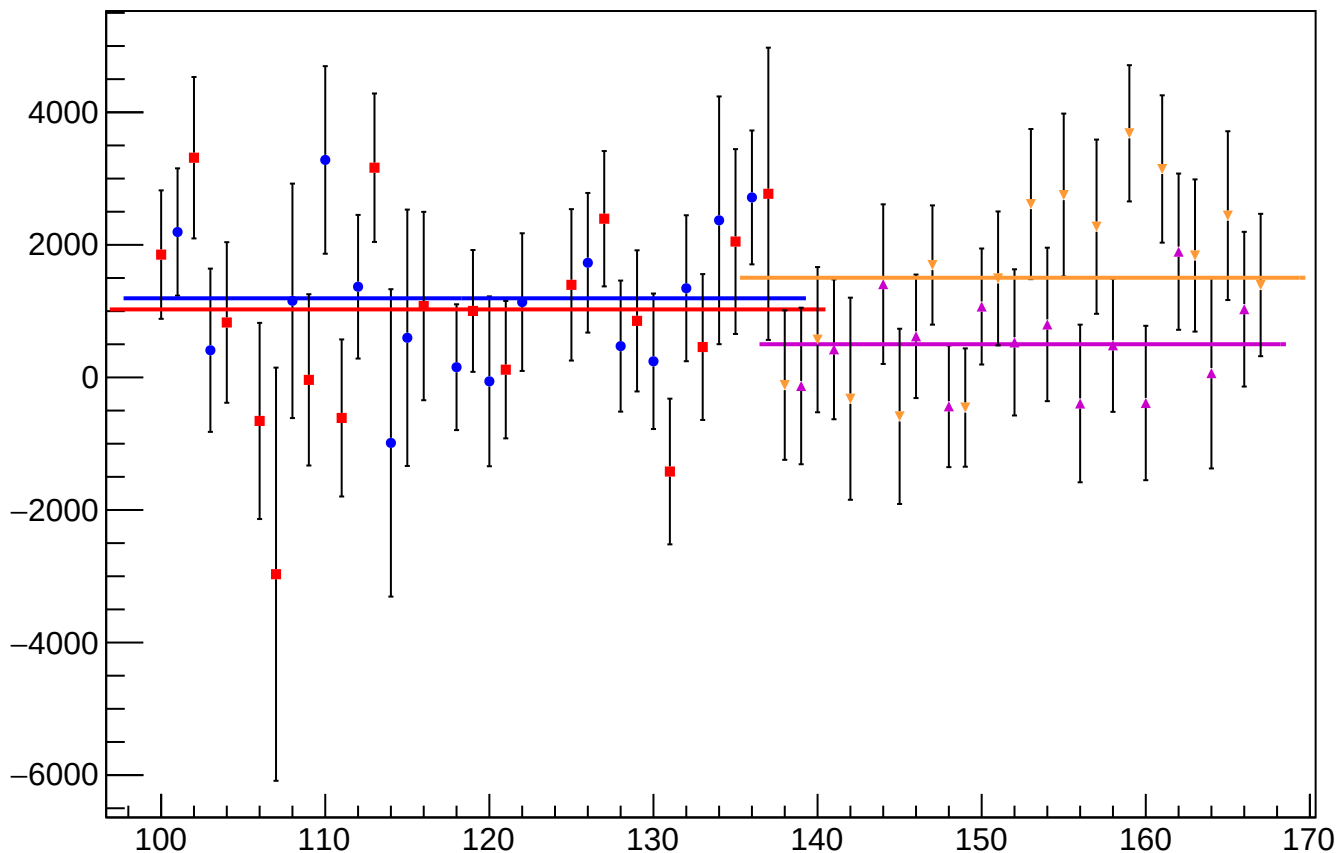
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

In: 557.584+/-0.100 χ^2/NDF : 3745214.5/29

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

All: 374.507+/-0.057 χ^2/NDF : 27425981.3/62

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: 500.843 $\pm$ 289.980 χ^2 /NDF:5.2/13

Left: 1006.952 $\pm$ 204.112 χ^2 /NDF: 32.5/28

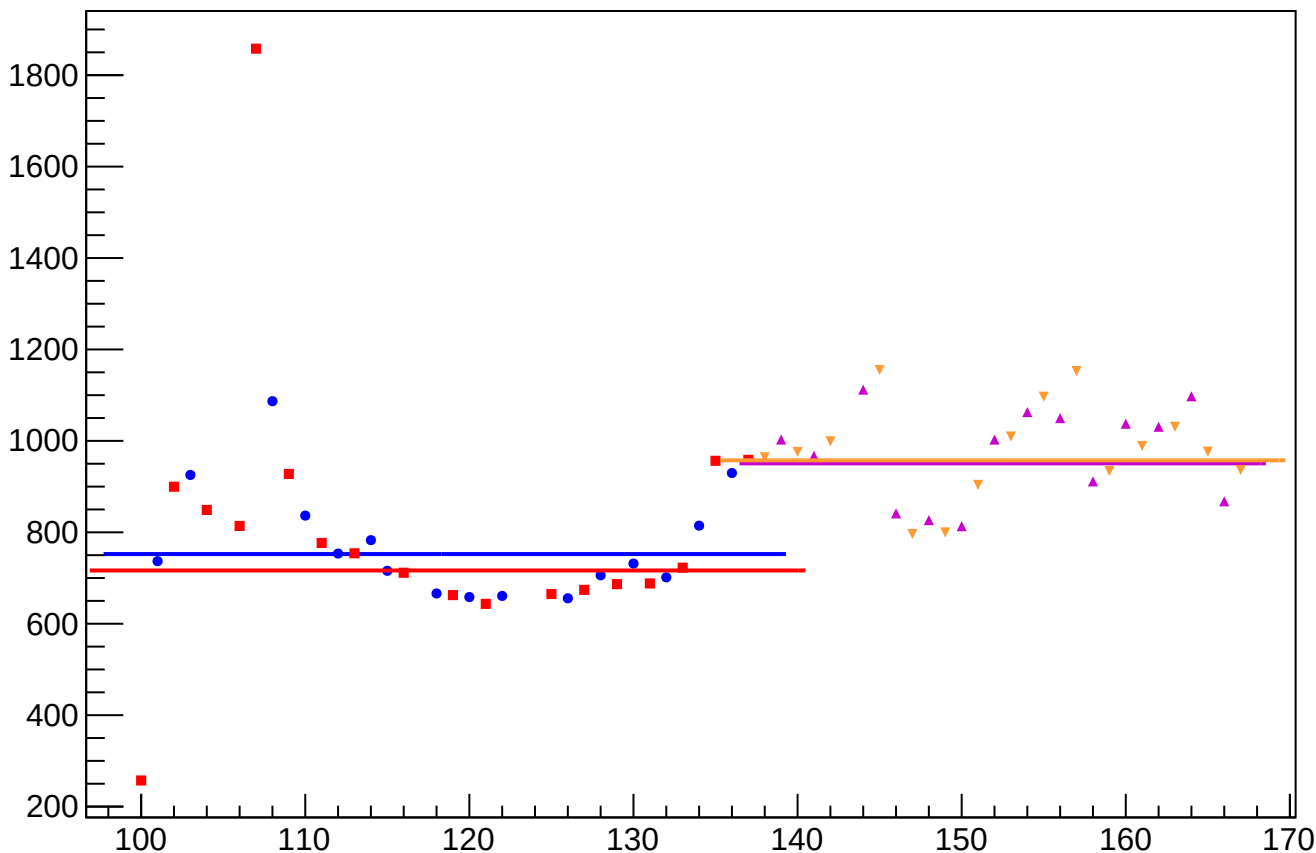
Right: 1105.849 $\pm$ 203.414 χ^2 /NDF: 33.9/33

In: 841.346 $\pm$ 206.814 χ^2 /NDF:19.2/29

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

All: 1056.570 $\pm$ 144.081 χ^2 /NDF: 66.5/62

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: 950.841+/-0.205 χ^2/NDF : 245171.0/13

Left: 954.179+/-0.144 χ^2/NDF : 510805.9/28

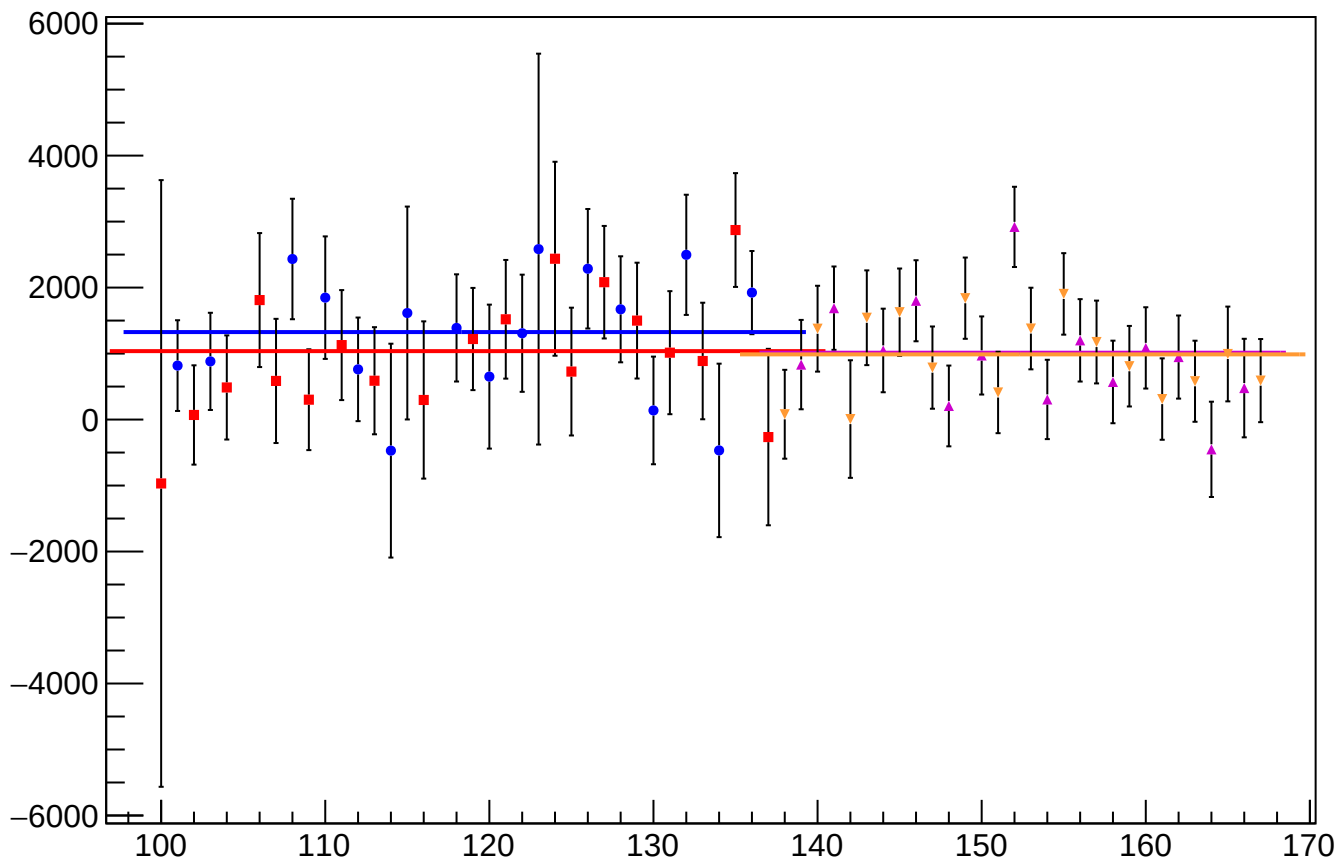
Right: 733.589+/-0.144 χ^2/NDF : 1235181.4/33

In: 853.353+/-0.146 χ^2/NDF : 957937.8/29

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

All: 843.506+/-0.102 χ^2/NDF : 2917969.2/62

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: 1013.043 $\pm$ 169.469 χ^2 /NDF:21.1/13

Left: 999.950 $\pm$ 117.114 χ^2 /NDF: 33.7/29

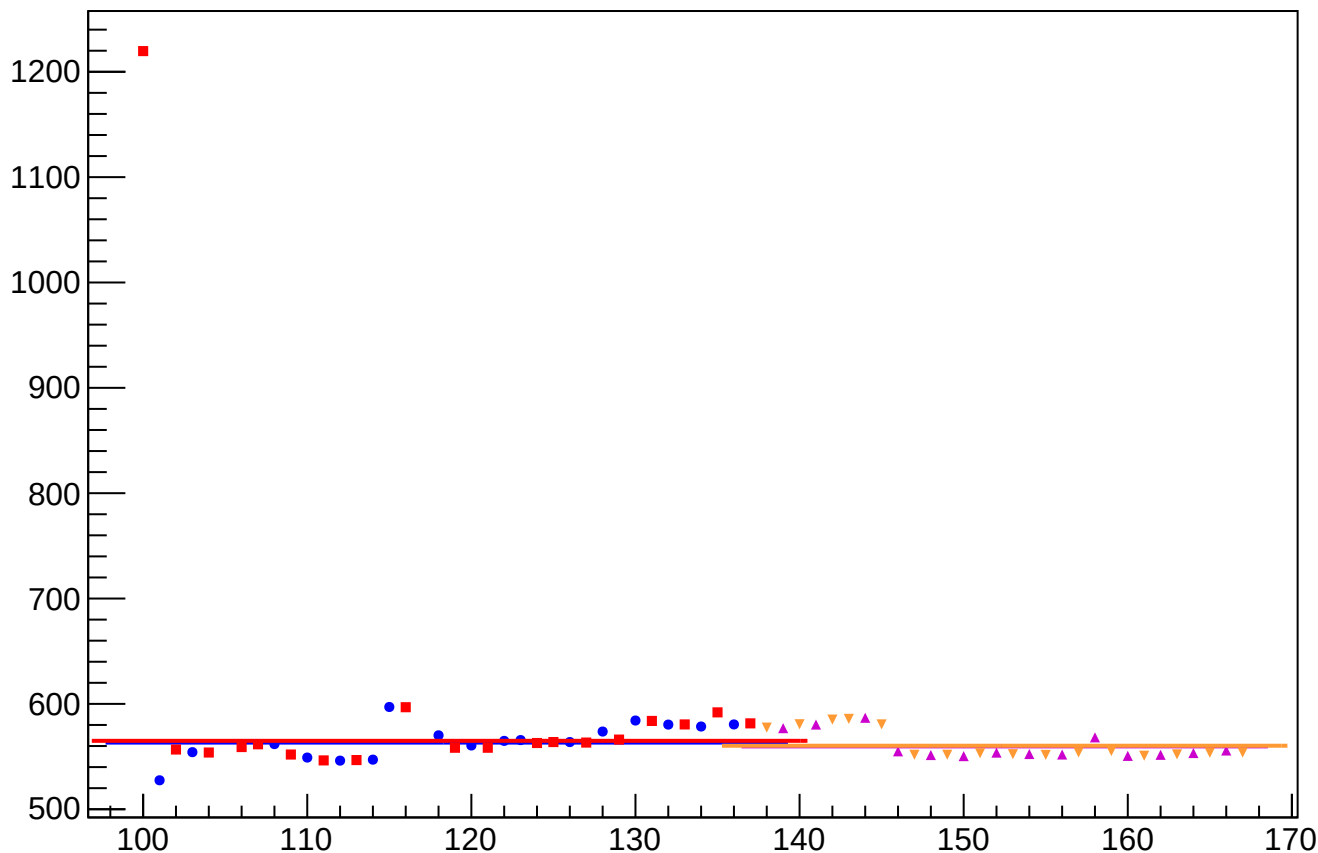
Right: 1177.020 $\pm$ 151.865 χ^2 /NDF: 27.2/35

In: 1130.773 $\pm$ 133.821 χ^2 /NDF:35.2/30

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

All: 1065.983 $\pm$ 92.741 χ^2 /NDF: 61.8/65

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 560.284 $\pm$ 0.115 χ^2 /NDF:12534.5/15

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

Left In: 559.657 $\pm$ 0.120 χ^2 /NDF:10222.7/13

Left: 559.985 $\pm$ 0.083 χ^2 /NDF: 22771.5/29

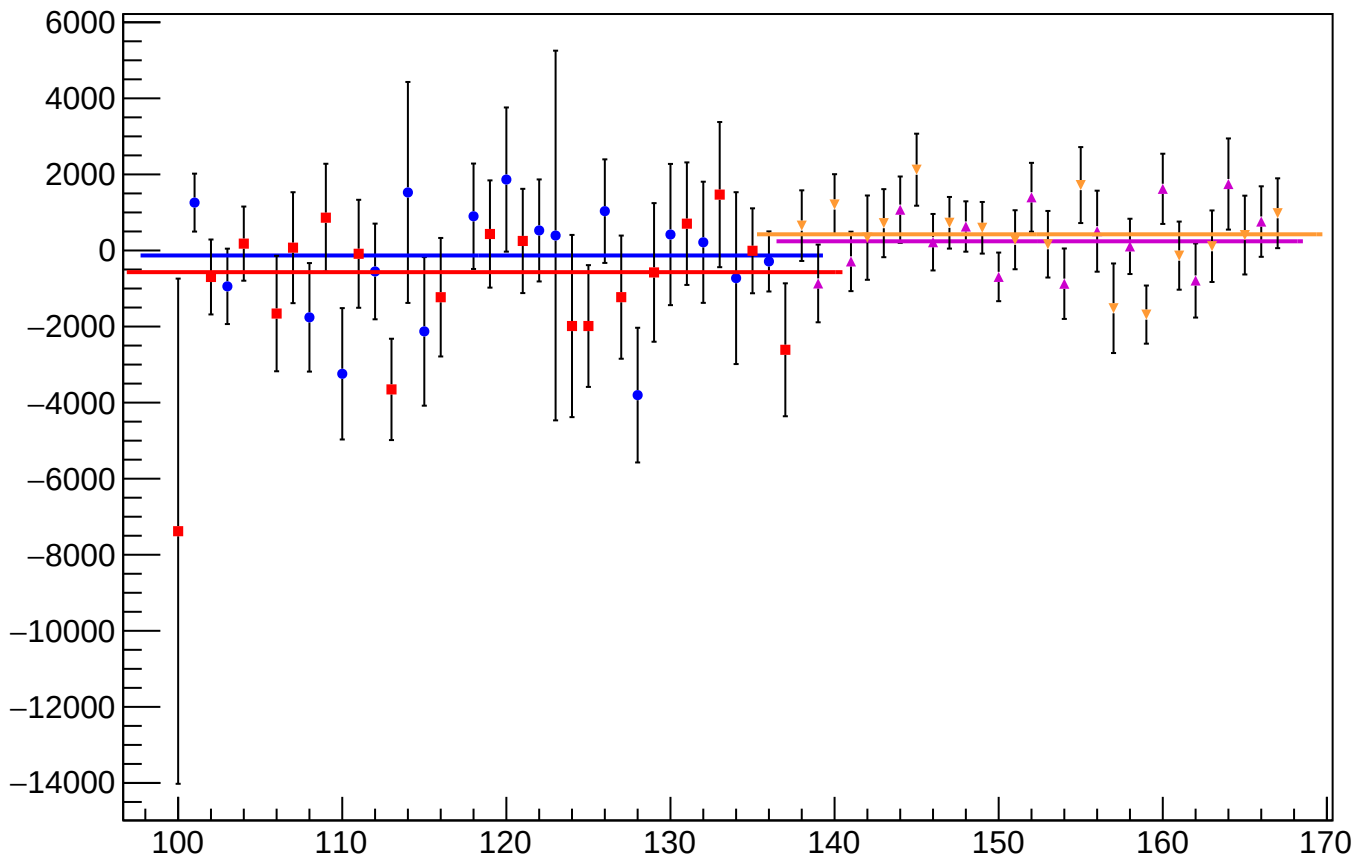
Right: 564.130 $\pm$ 0.107 χ^2 /NDF: 61877.2/35

In: 561.016 $\pm$ 0.095 χ^2 /NDF:23084.4/30

Out: 562.007 $\pm$ 0.091 χ^2 /NDF:62442.0/34

All: 561.531 $\pm$ 0.066 χ^2 /NDF: 85583.4/65

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: 241.491 ± 225.299 χ^2/NDF : 13.5/13

Left: 336.808 ± 156.454 χ^2/NDF : 31.5/29

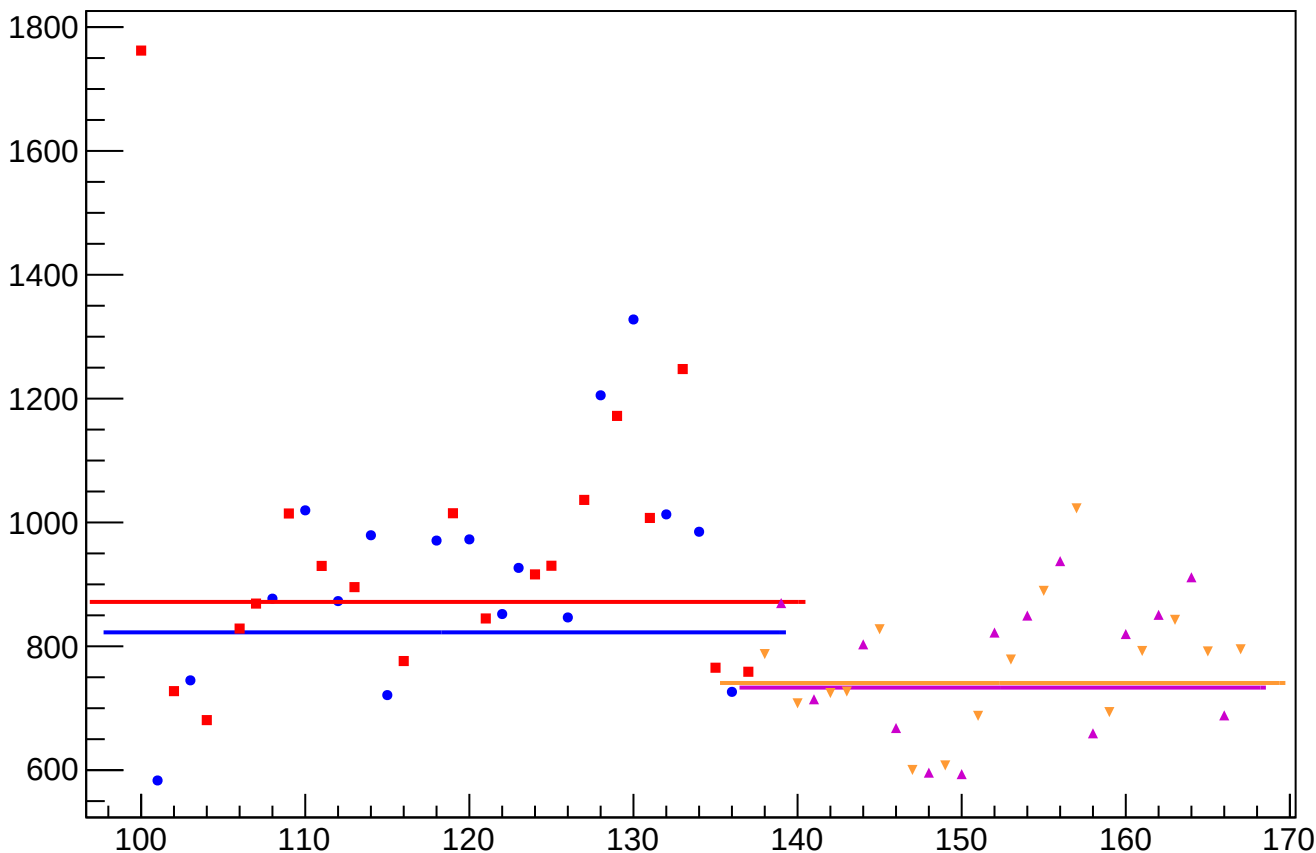
Right: -347.269 ± 233.324 χ^2/NDF : 32.7/35

In: 121.847 ± 185.634 χ^2/NDF : 31.6/30

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

All: 124.629 ± 129.944 χ^2/NDF : 70.1/65

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 740.768 $\pm$ 0.154 χ^2 /NDF: 410541.2/15

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

Left In: 733.304 $\pm$ 0.159 χ^2 /NDF: 487320.2/13

Left: 737.169 $\pm$ 0.111 χ^2 /NDF: 898998.1/29

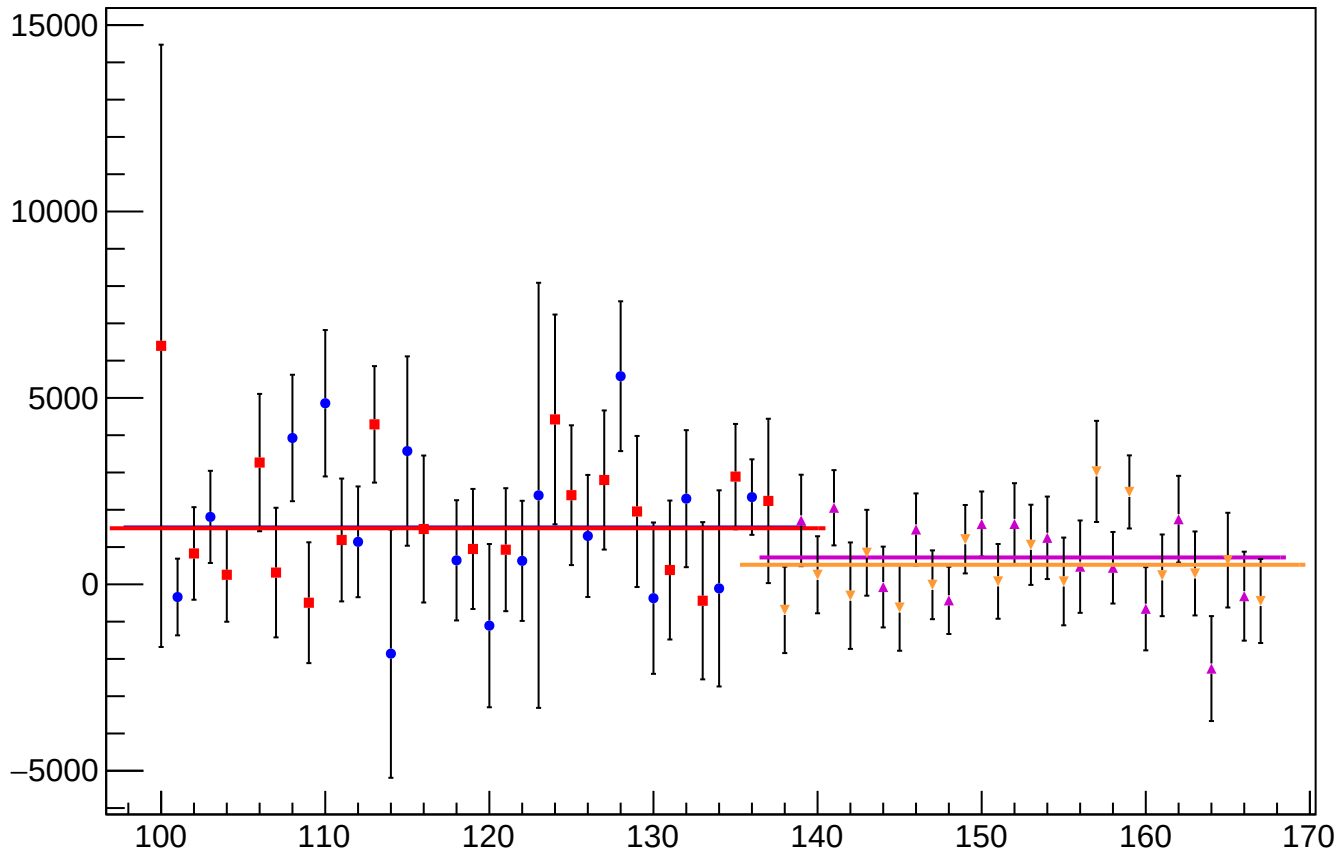
Right: 846.744 $\pm$ 0.165 χ^2 /NDF: 1029998.2/35

In: 761.954 $\pm$ 0.131 χ^2 /NDF: 1188998.7/30

Out: 779.996 $\pm$ 0.129 χ^2 /NDF: 1034649.6/34

All: 771.155 $\pm$ 0.092 χ^2 /NDF: 2233282.6/65

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: 721.347 $\pm$ 285.735 χ^2 /NDF:14.8/13

Left: 619.340 $\pm$ 198.120 χ^2 /NDF: 27.3/29

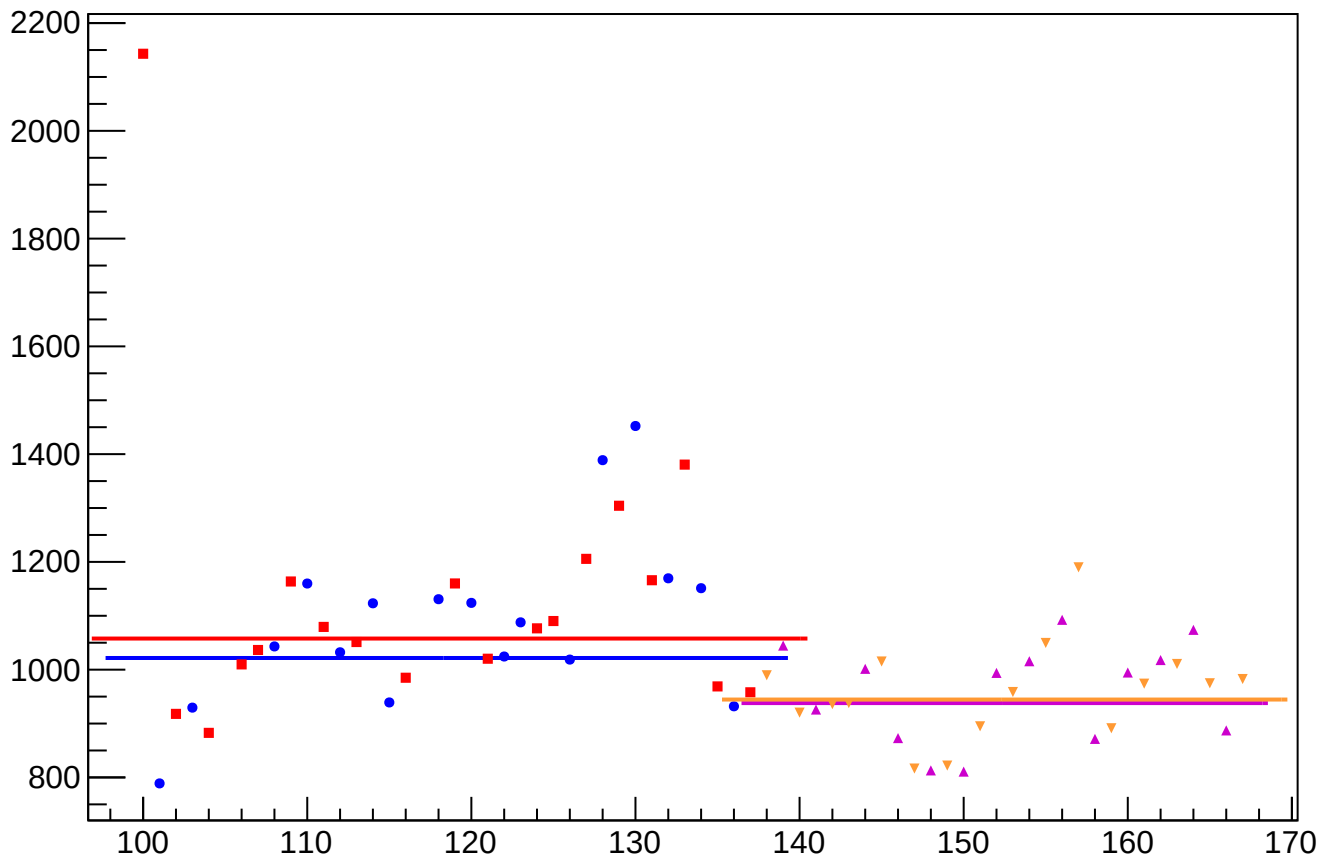
Right: 1514.890 $\pm$ 283.454 χ^2 /NDF: 30.4/35

In: 991.438 $\pm$ 232.855 χ^2 /NDF:35.7/30

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

All: 913.255 $\pm$ 162.386 χ^2 /NDF: 64.4/65

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: 937.973 $\pm$ 0.202 χ^2/NDF :204857.2/13

Left: 941.383 $\pm$ 0.140 χ^2/NDF : 395593.2/29

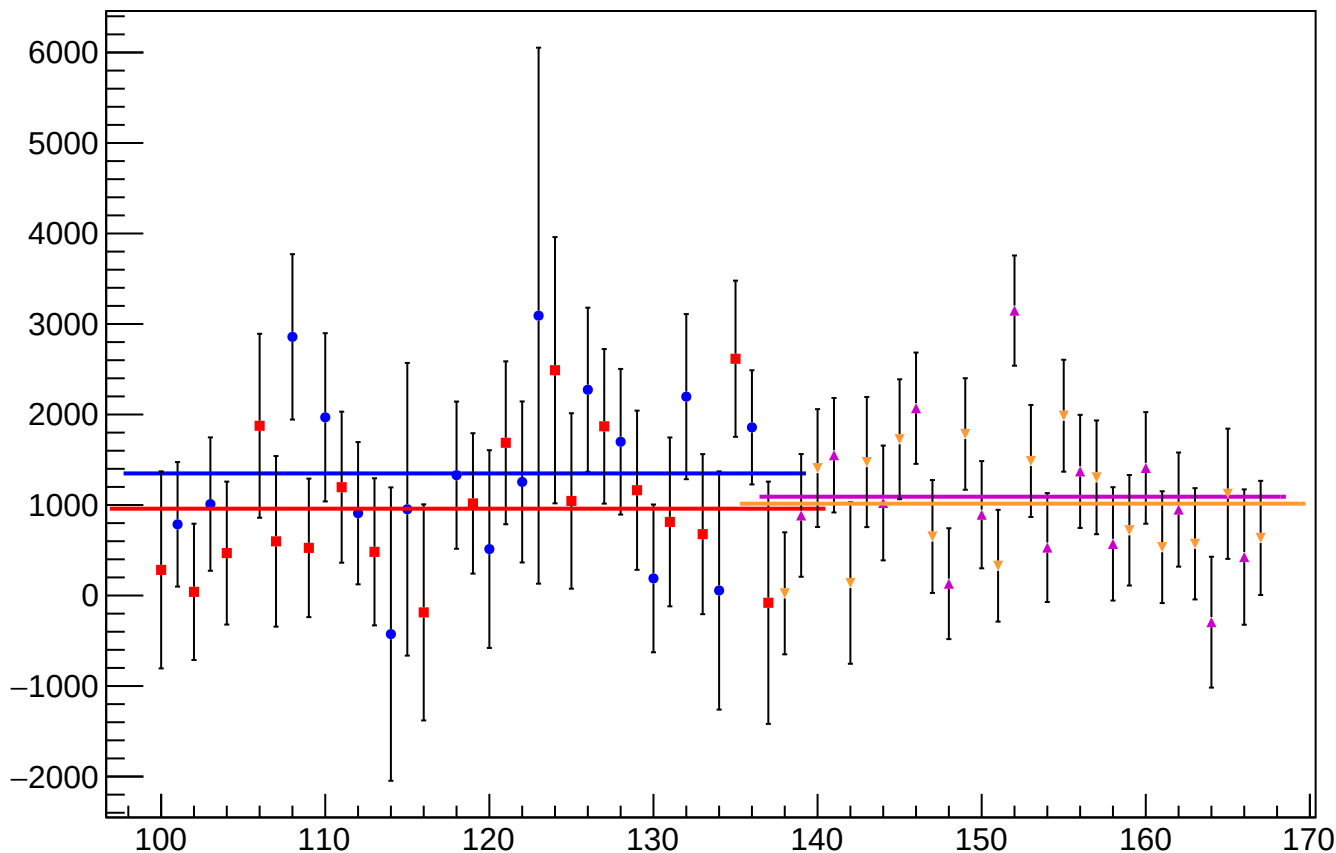
Right: 1039.788 $\pm$ 0.200 χ^2/NDF : 570995.5/35

In: 966.084 $\pm$ 0.165 χ^2/NDF :594436.8/30

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

All: 973.679 $\pm$ 0.115 χ^2/NDF : 1128525.4/65

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: 1091.800 $\pm$ 169.652 χ^2 /NDF:23.7/13

Left: 1051.694 $\pm$ 117.238 χ^2 /NDF: 37.0/29

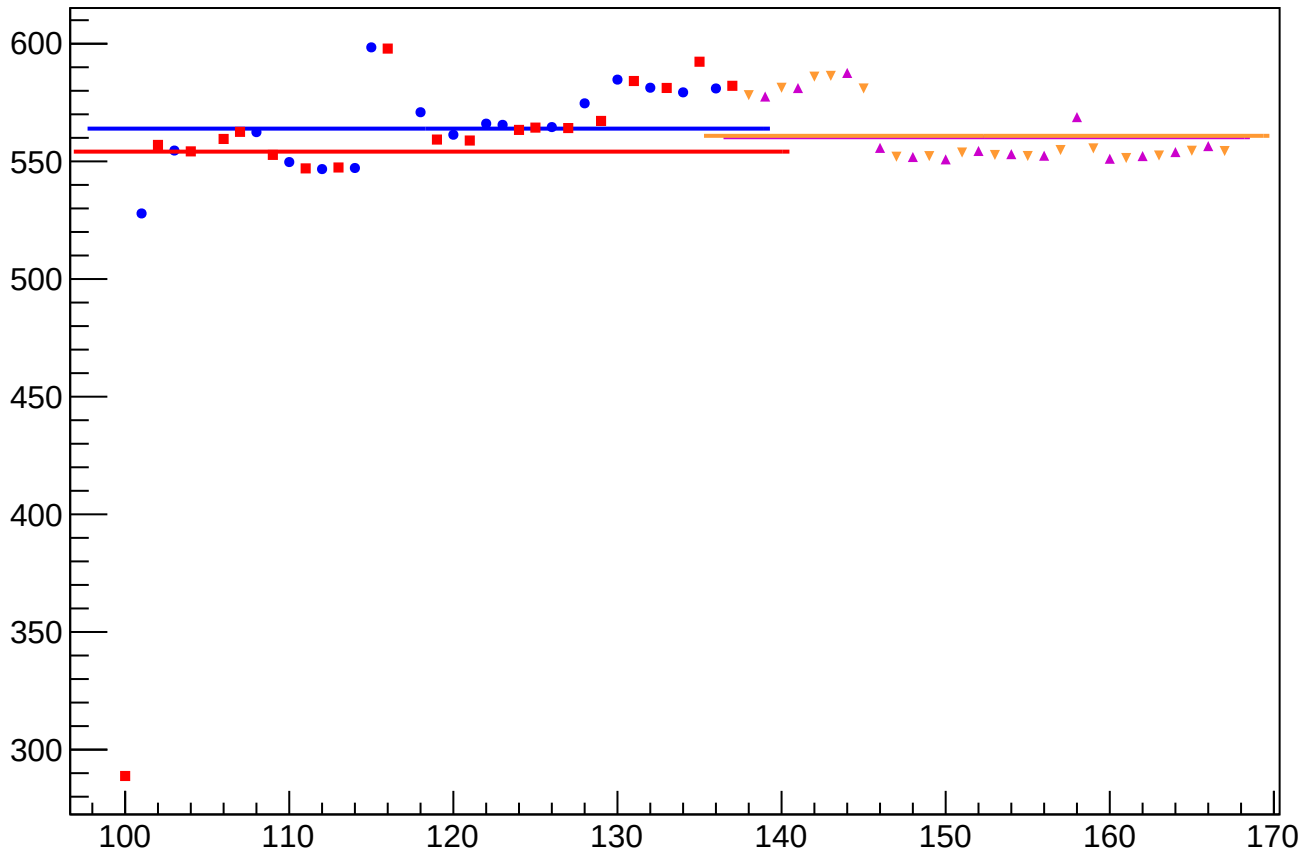
Right: 1144.995 $\pm$ 150.662 χ^2 /NDF: 26.2/35

In: 1188.672 $\pm$ 133.970 χ^2 /NDF:36.9/30

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

All: 1086.882 $\pm$ 92.525 χ^2 /NDF: 63.4/65

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: 560.260 $\pm$ 0.120 χ^2 /NDF:10313.2/13

Left: 560.575 $\pm$ 0.083 χ^2 /NDF: 22887.3/29

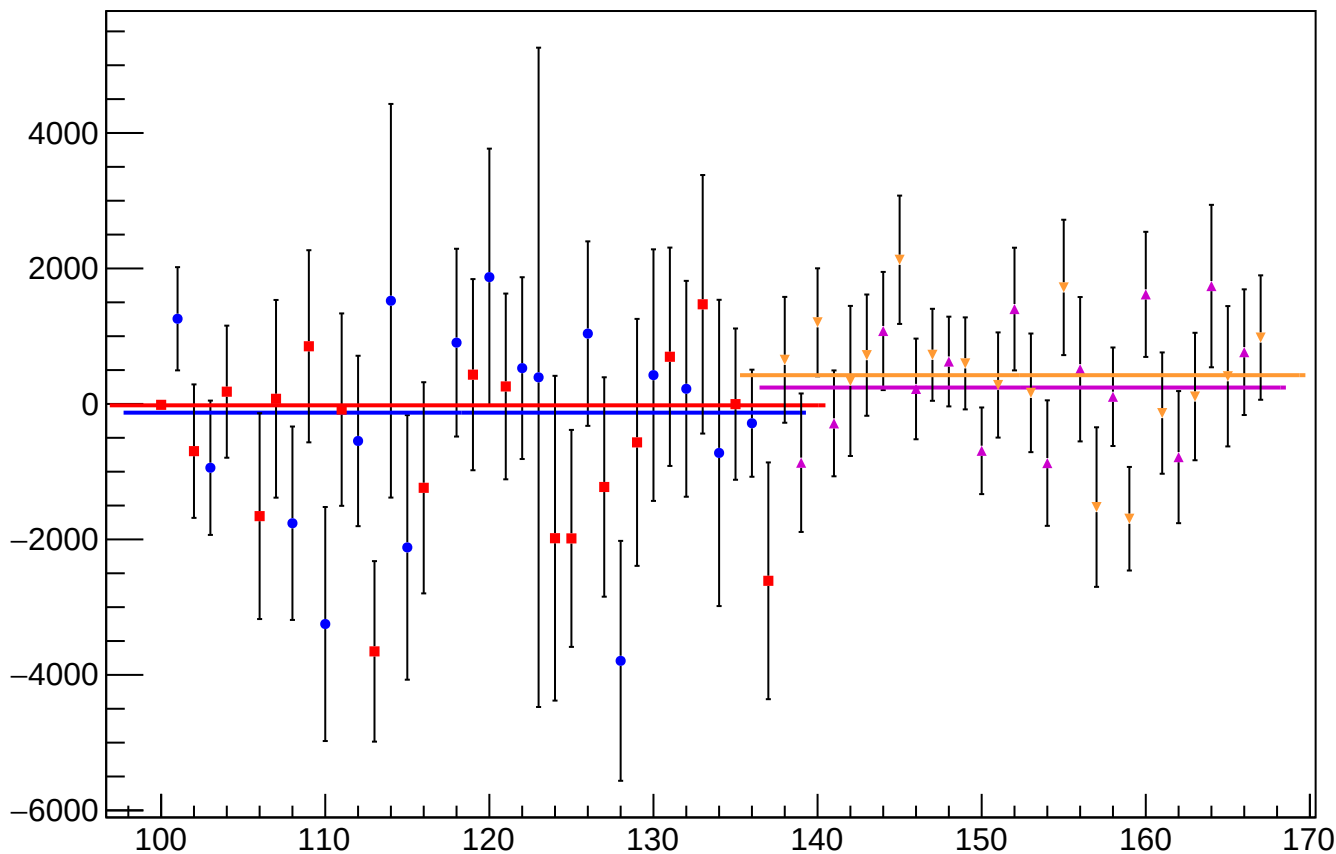
Right: 558.799 $\pm$ 0.107 χ^2 /NDF: 146729.2/35

In: 561.639 $\pm$ 0.095 χ^2 /NDF:23327.1/30

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

All: 559.906 $\pm$ 0.065 χ^2 /NDF: 169789.6/65

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 424.513 $\pm$ 217.506 χ^2 /NDF: 17.7/15

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

Left In: 242.066 $\pm$ 225.408 χ^2 /NDF: 13.4/13

Left: 336.543 $\pm$ 156.519 χ^2 /NDF: 31.5/29

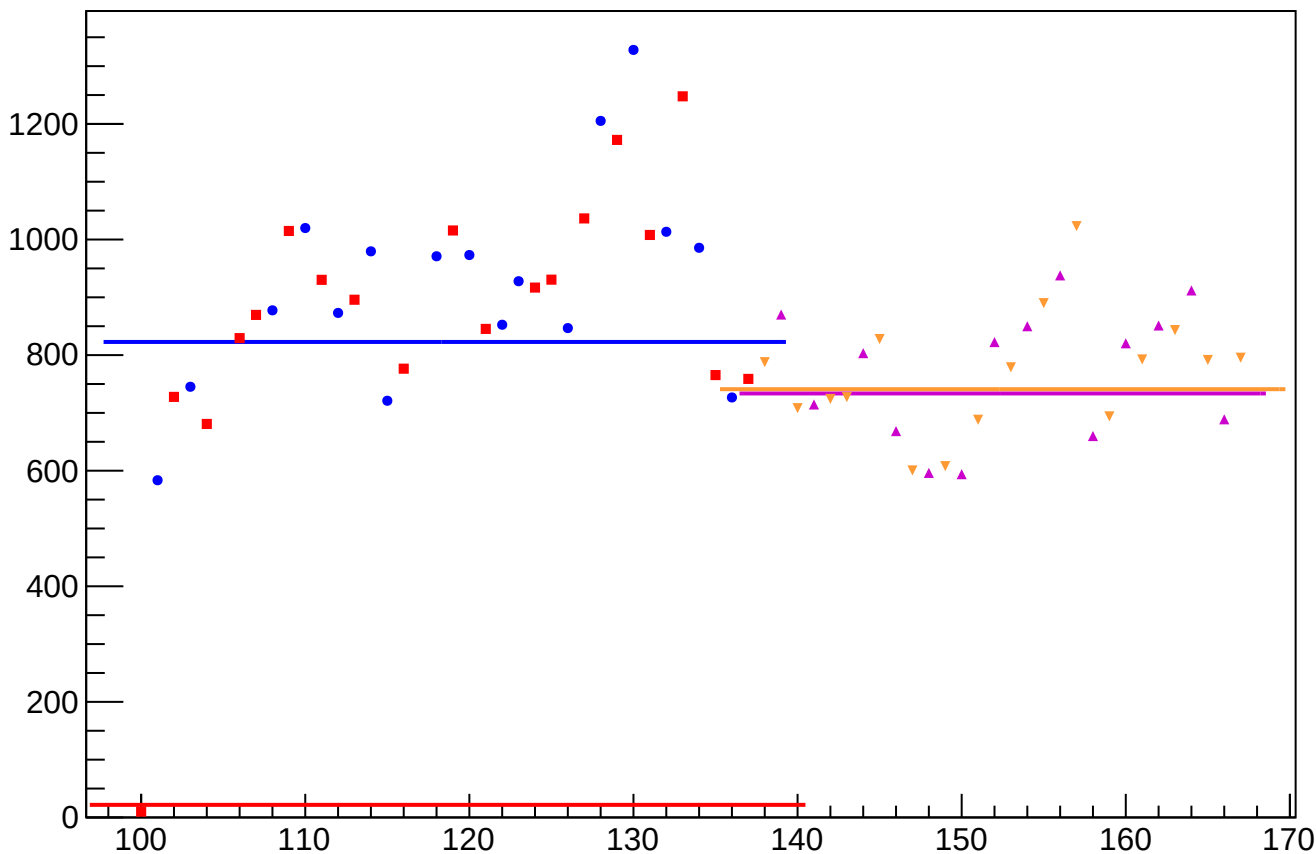
Right: -21.894 $\pm$ 38.682 χ^2 /NDF: 33.4/35

In: 122.970 $\pm$ 185.713 χ^2 /NDF: 31.5/30

Out: -6.557 $\pm$ 38.344 χ^2 /NDF: 37.9/34

All: -1.262 $\pm$ 37.552 χ^2 /NDF: 69.8/65

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: 733.669 $\pm$ 0.159 χ^2 /NDF: 487004.8/13

Left: 737.476 $\pm$ 0.111 χ^2 /NDF: 898749.8/29

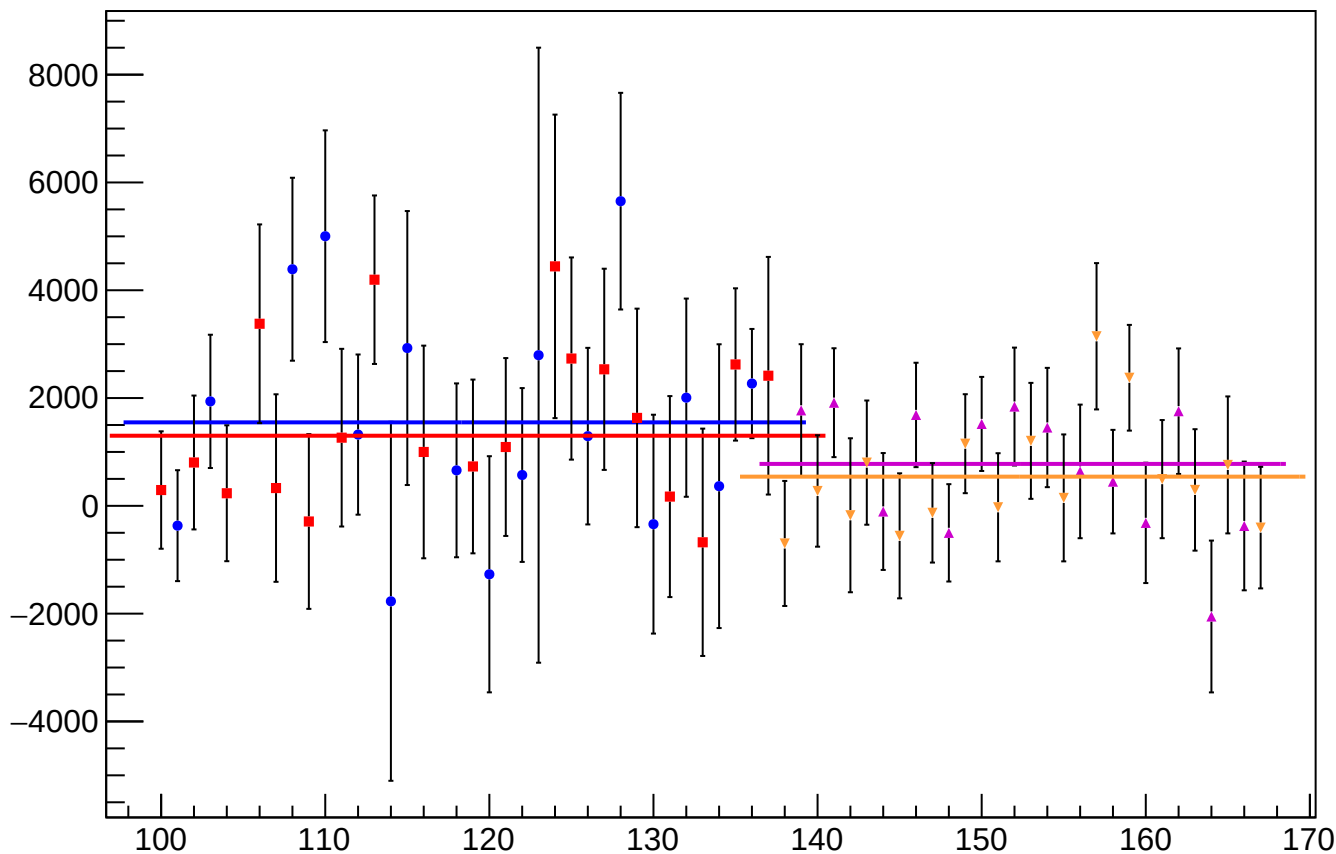
Right: 32.973 $\pm$ 0.027 χ^2 /NDF: 25907183.1/35

In: 762.291 $\pm$ 0.131 χ^2 /NDF: 1188274.0/30

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

All: 73.526 $\pm$ 0.027 χ^2 /NDF: 64992754.6/65

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: 777.944 $\pm$ 285.933 χ^2 /NDF: 14.3/13

Left: 655.231 $\pm$ 198.246 χ^2 /NDF: 26.8/29

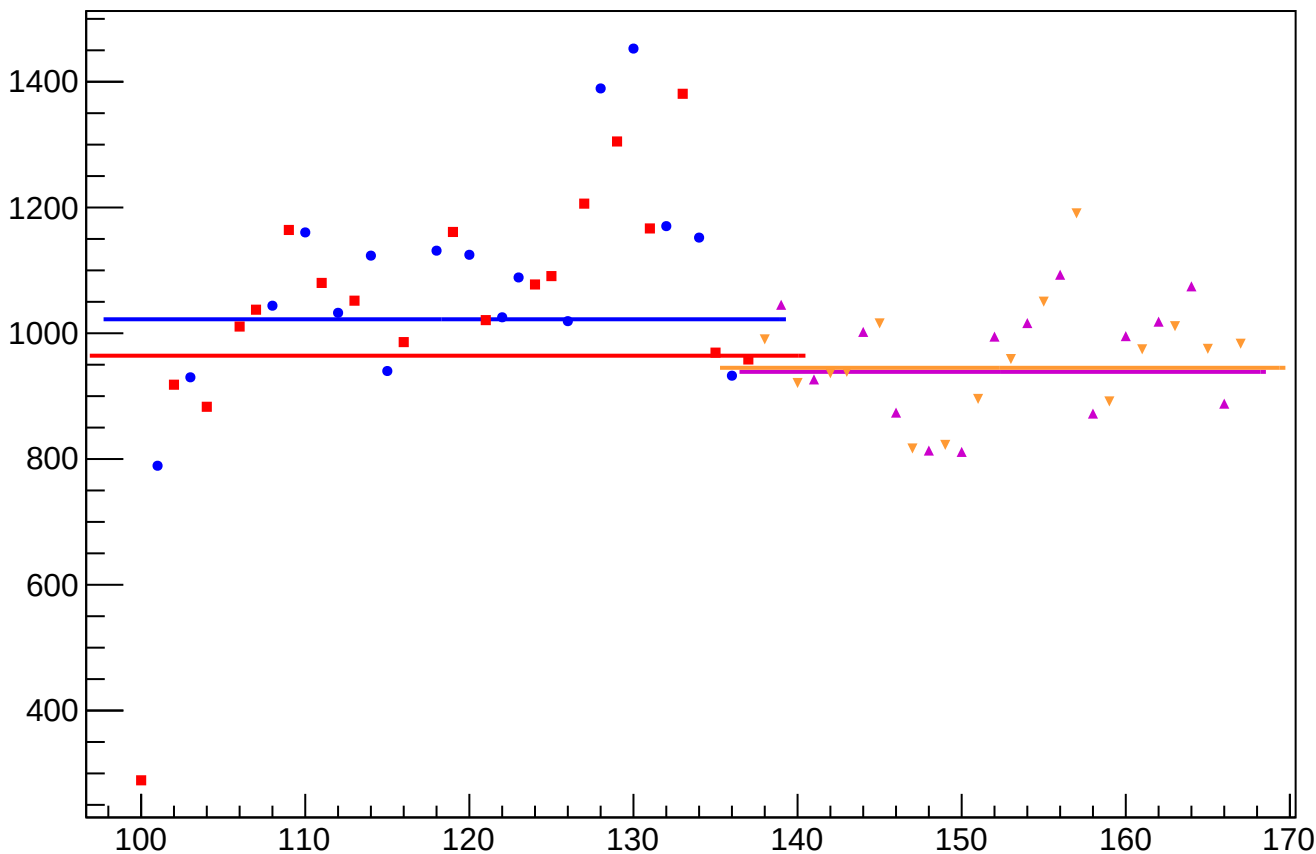
Right: 1416.645 $\pm$ 274.624 χ^2 /NDF: 31.7/35

In: 1036.932 $\pm$ 233.006 χ^2 /NDF: 35.7/30

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

All: 916.082 $\pm$ 160.740 χ^2 /NDF: 63.6/65

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 945.082+/-0.195 χ^2/NDF :190346.7/15

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

Left In: 938.629+/-0.202 χ^2/NDF :204686.8/13

Left: 941.980+/-0.140 χ^2/NDF : 395562.5/29

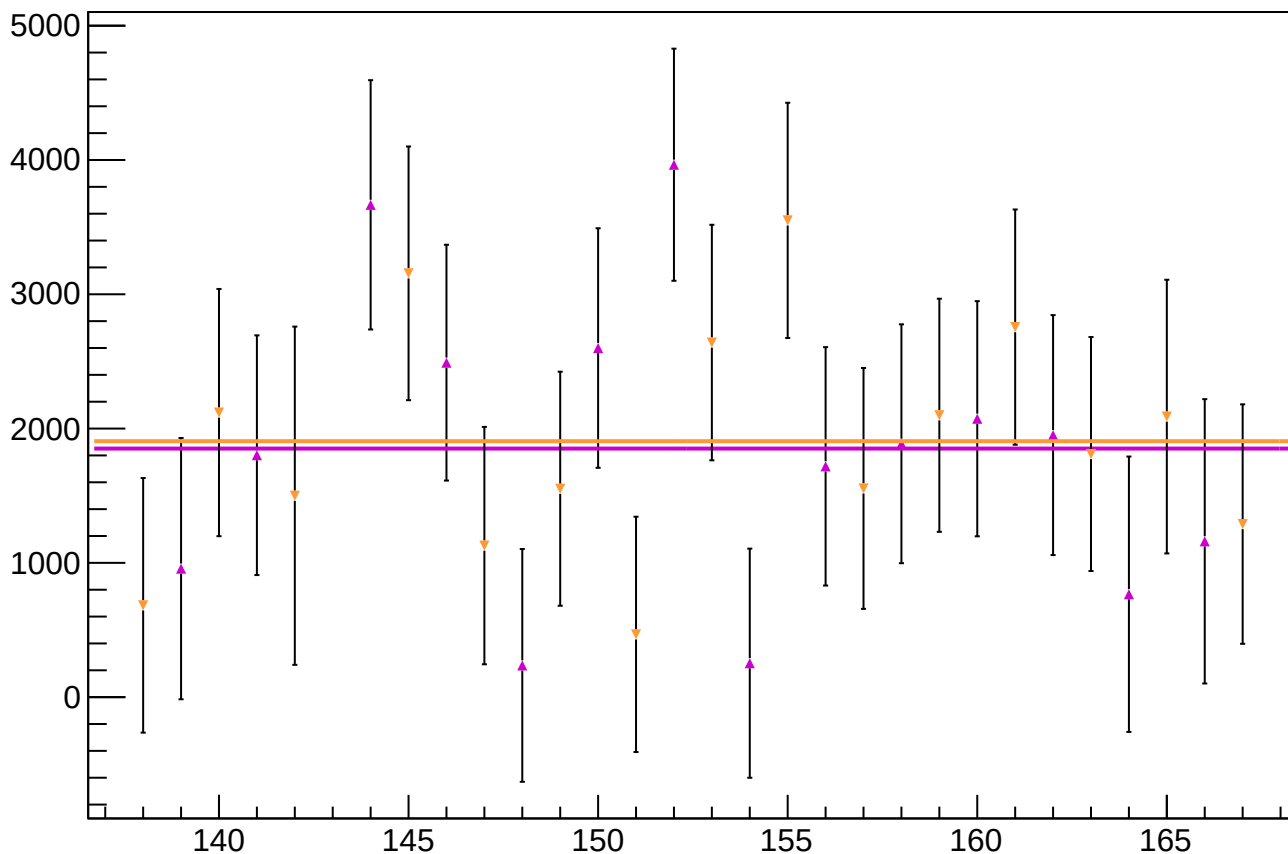
Right: 991.355+/-0.194 χ^2/NDF : 1421282.7/35

In: 966.718+/-0.165 χ^2/NDF :594005.6/30

Out: 951.792+/-0.157 χ^2/NDF :1261041.0/34

All: 958.895+/-0.114 χ^2/NDF : 1859347.7/65

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: 1851.083+/-242.499 χ^2/NDF :20.5/13

Left: 1879.302+/-169.114 χ^2/NDF : 33.6/28

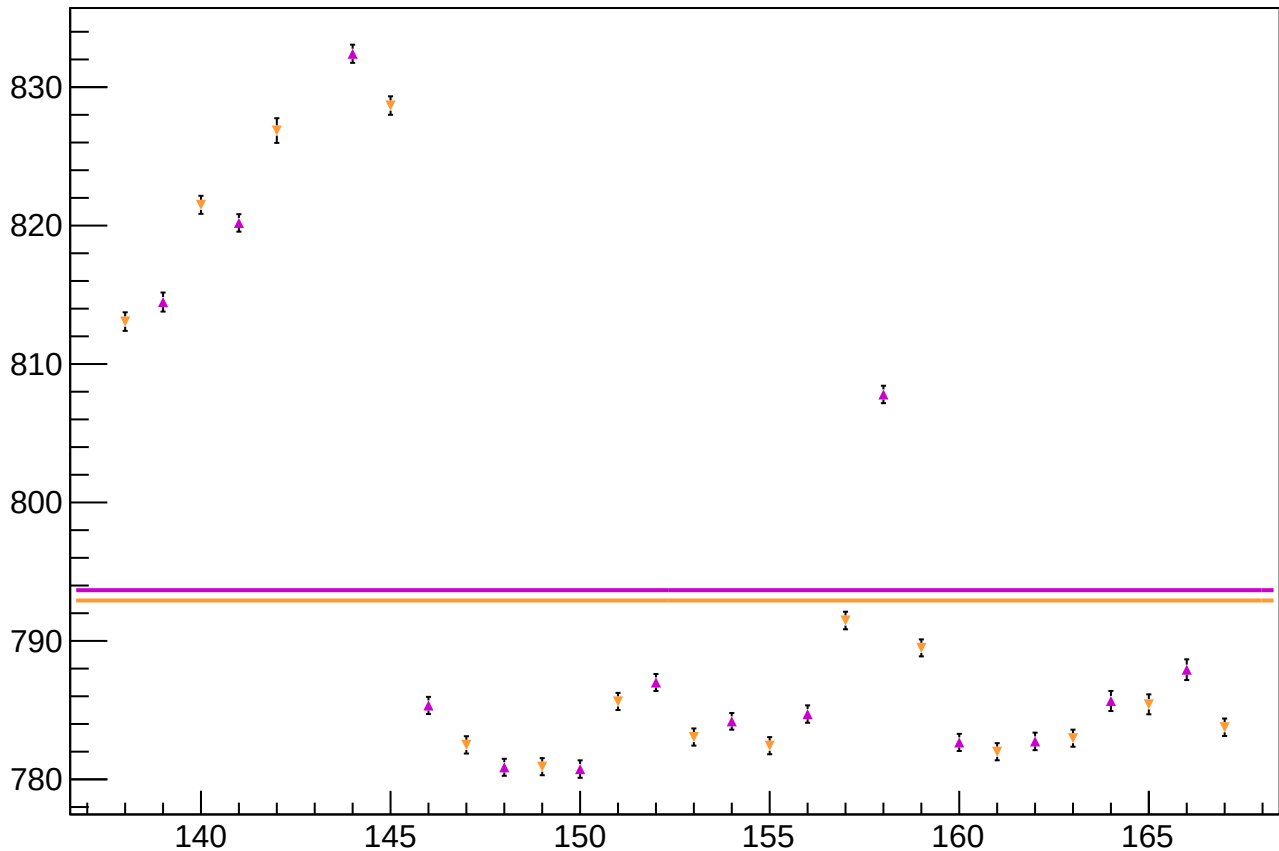
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1851.083+/-242.499 χ^2/NDF :20.5/13

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

All: 1879.302+/-169.114 χ^2/NDF : 33.6/28

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: 793.664+/-0.171 χ^2/NDF :9072.2/13

Left: 793.282+/-0.120 χ^2/NDF : 18495.1/28

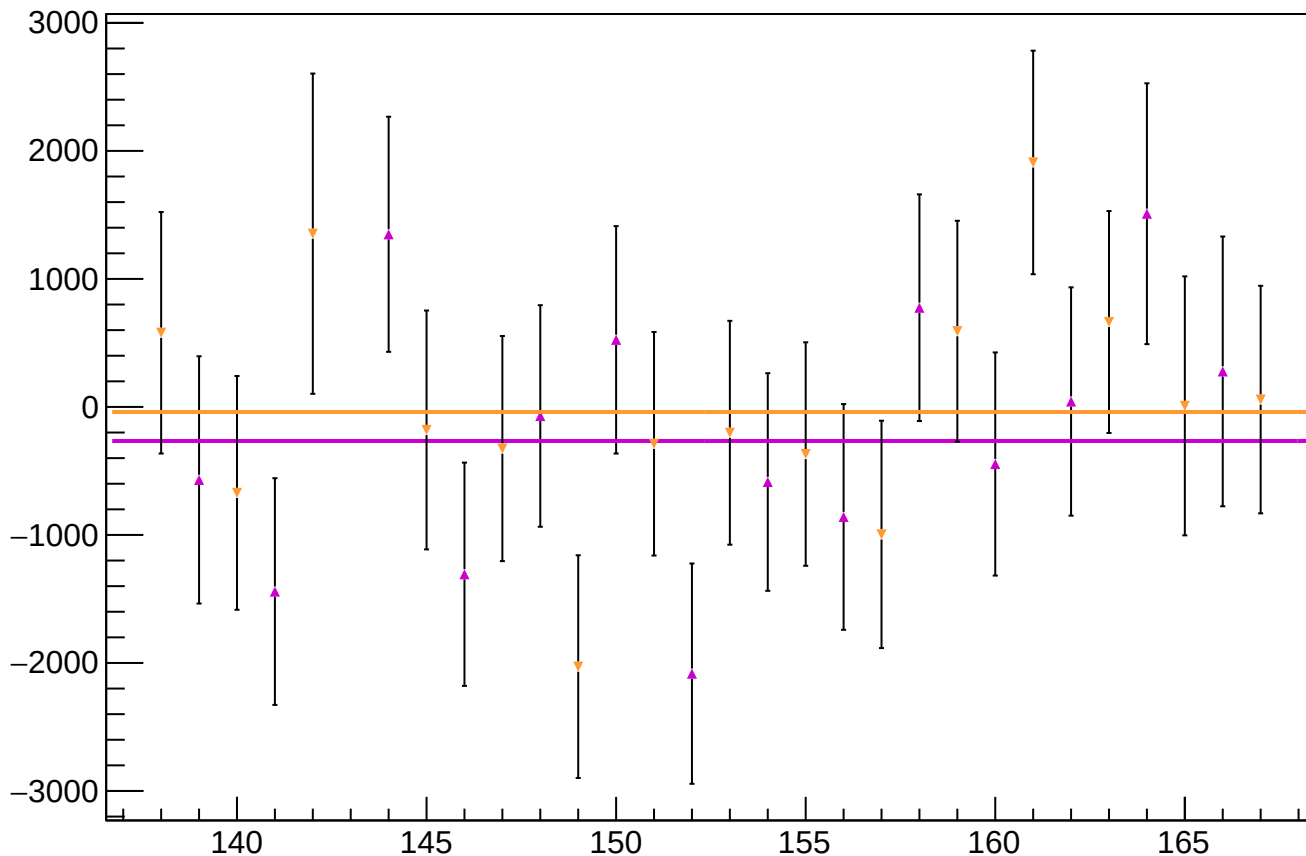
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 793.664+/-0.171 χ^2/NDF :9072.2/13

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

All: 793.282+/-0.120 χ^2/NDF : 18495.1/28

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: -265.988+/-241.226 χ^2/NDF :17.1/13

Left: -149.737+/-168.212 χ^2/NDF : 32.7/28

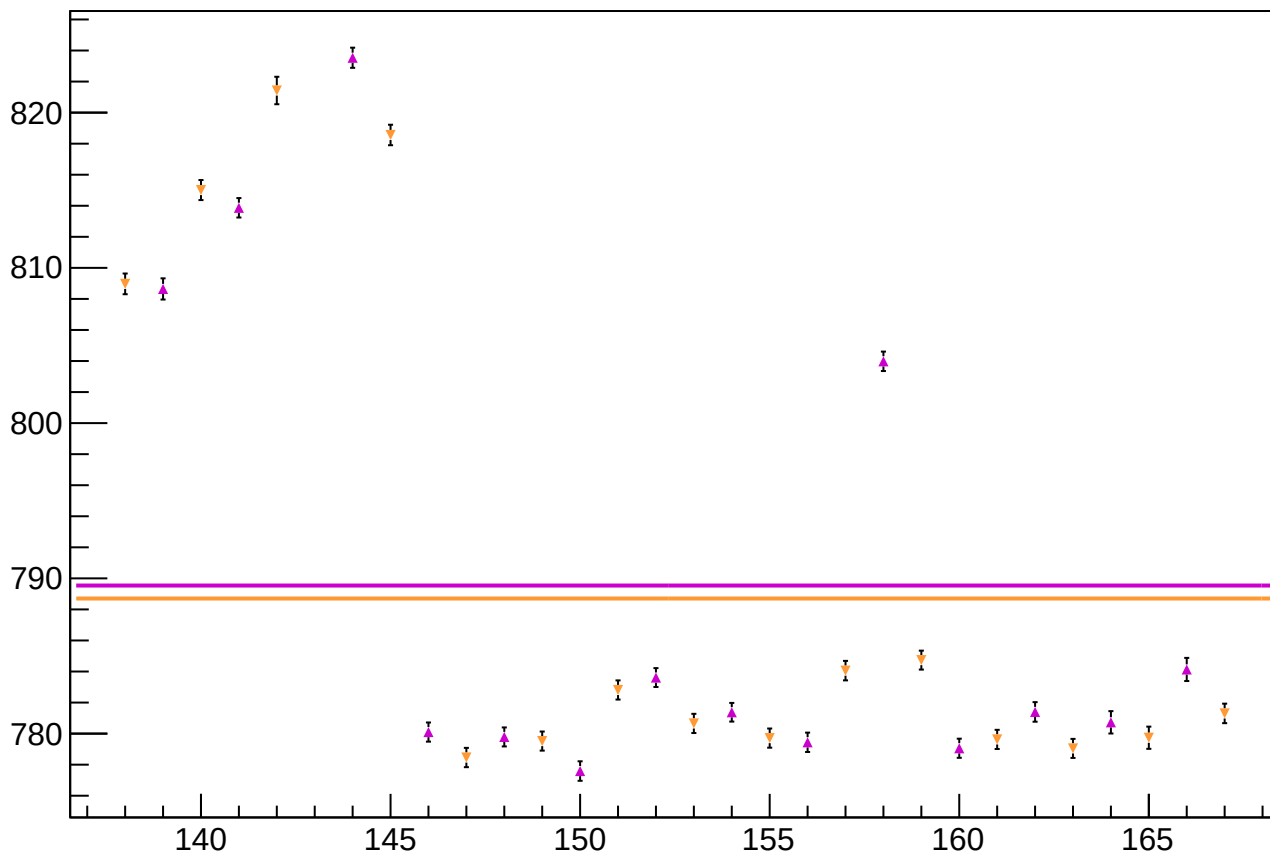
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -265.988+/-241.226 χ^2/NDF :17.1/13

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

All: -149.737+/-168.212 χ^2/NDF : 32.7/28

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: 789.539+/-0.171 χ^2/NDF : 7615.7/13

Left: 789.109+/-0.119 χ^2/NDF : 15452.2/28

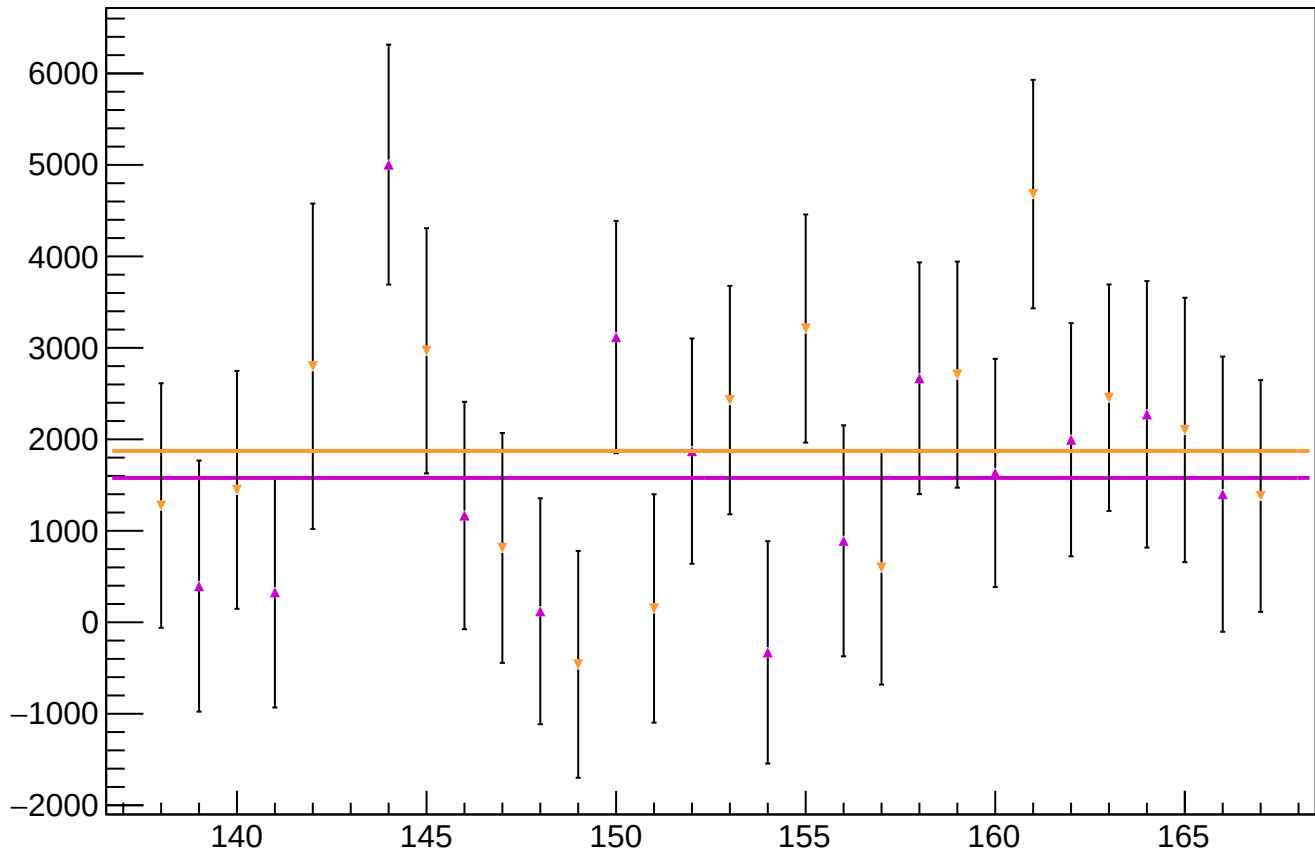
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 789.539+/-0.171 χ^2/NDF : 7615.7/13

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

All: 789.109+/-0.119 χ^2/NDF : 15452.2/28

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: 1578.438+/-344.534 χ^2/NDF :15.4/13

Left: 1729.335+/-240.292 χ^2/NDF : 31.5/28

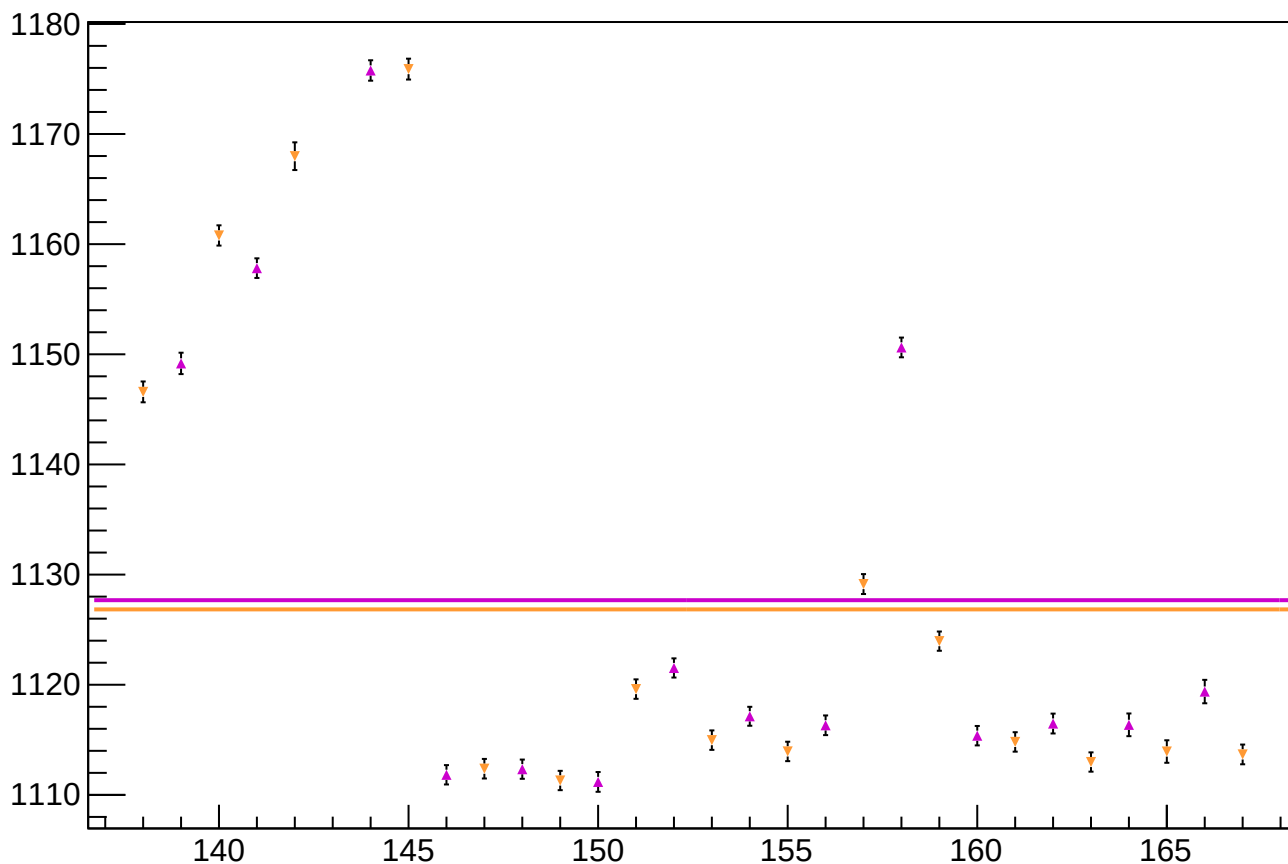
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1578.438+/-344.534 χ^2/NDF :15.4/13

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

All: 1729.335+/-240.292 χ^2/NDF : 31.5/28

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: 1127.677+/-0.244 χ^2/NDF : 6847.0/13

Left: 1127.248+/-0.170 χ^2/NDF : 14270.3/28

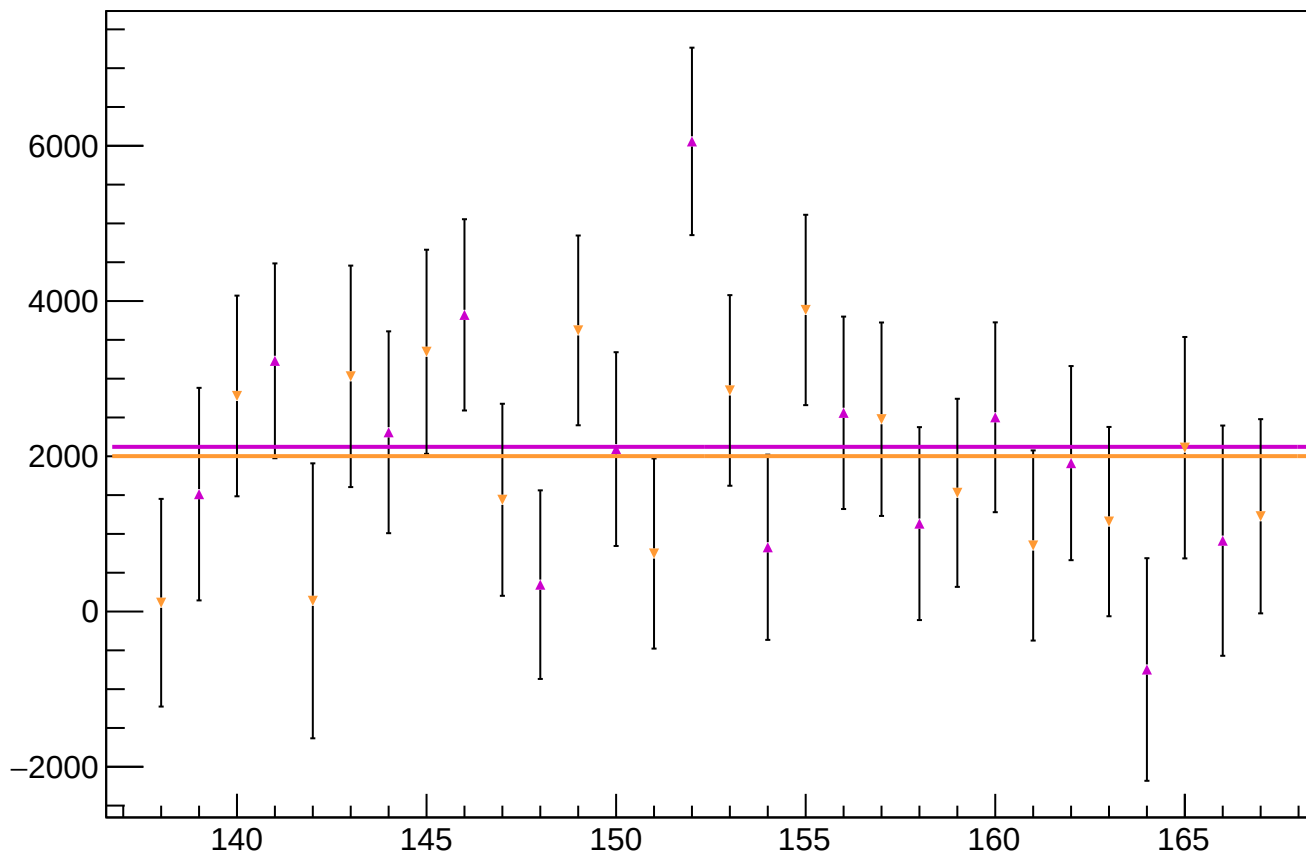
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1127.677+/-0.244 χ^2/NDF : 6847.0/13

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

All: 1127.248+/-0.170 χ^2/NDF : 14270.3/28

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2001.973 $\pm$ 321.770 χ^2/NDF :12.9/15

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

Left In: 2121.756 $\pm$ 339.536 χ^2/NDF :22.4/13

Left: 2058.649 $\pm$ 233.554 χ^2/NDF : 35.4/29

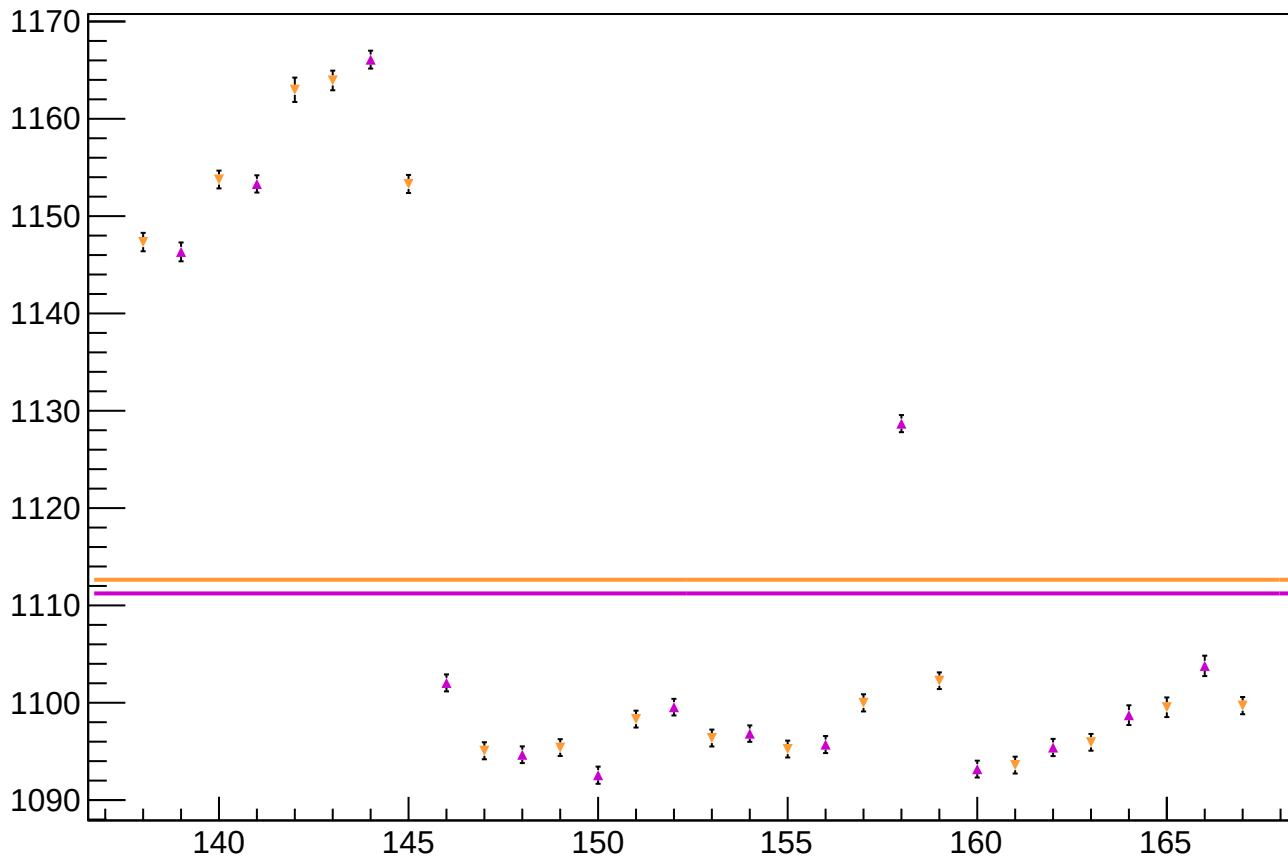
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 2121.756 $\pm$ 339.536 χ^2/NDF :22.4/13

Out: 2001.973 $\pm$ 321.770 χ^2/NDF :12.9/15

All: 2058.649 $\pm$ 233.554 χ^2/NDF : 35.4/29

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: 1111.232+/-0.240 χ^2/NDF :10198.5/13

Left: 1111.973+/-0.165 χ^2/NDF : 23124.7/29

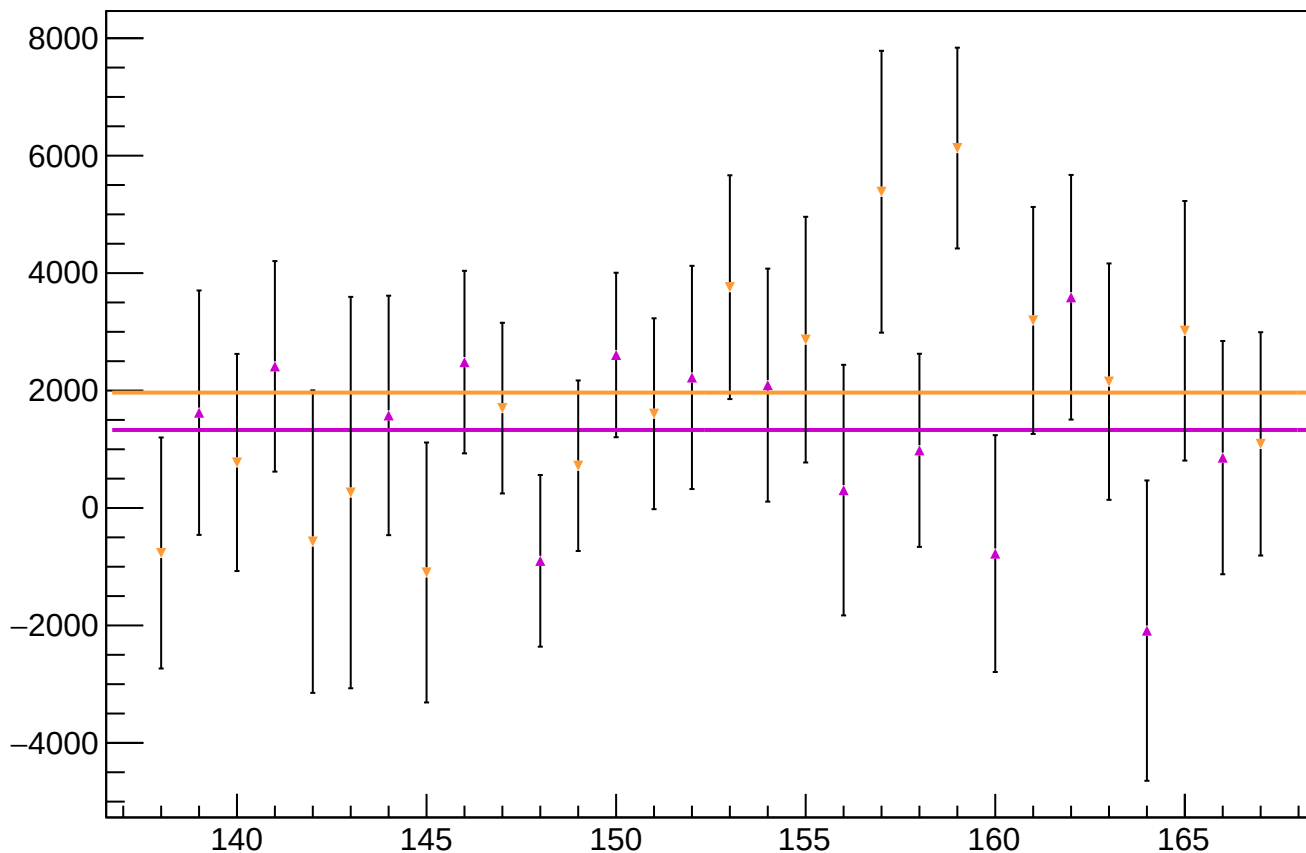
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1111.232+/-0.240 χ^2/NDF :10198.5/13

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

All: 1111.973+/-0.165 χ^2/NDF : 23124.7/29

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: 1328.931+/-489.261 χ^2/NDF :8.9/13

Left: 1653.107+/-342.681 χ^2/NDF : 25.9/29

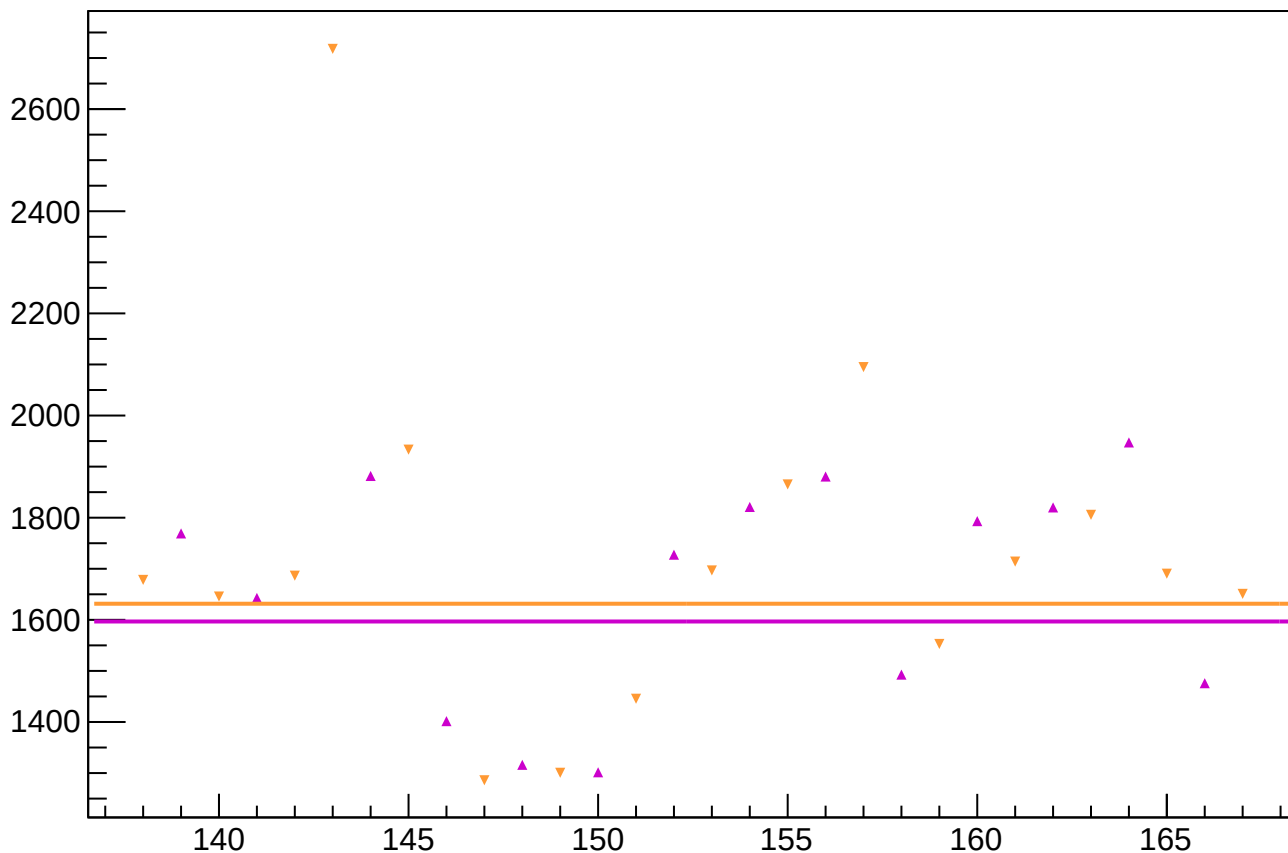
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1328.931+/-489.261 χ^2/NDF :8.9/13

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

All: 1653.107+/-342.681 χ^2/NDF : 25.9/29

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: 1596.768+/-0.346 χ^2/NDF :413588.2/13

Left: 1614.483+/-0.242 χ^2/NDF : 1040175.6/29

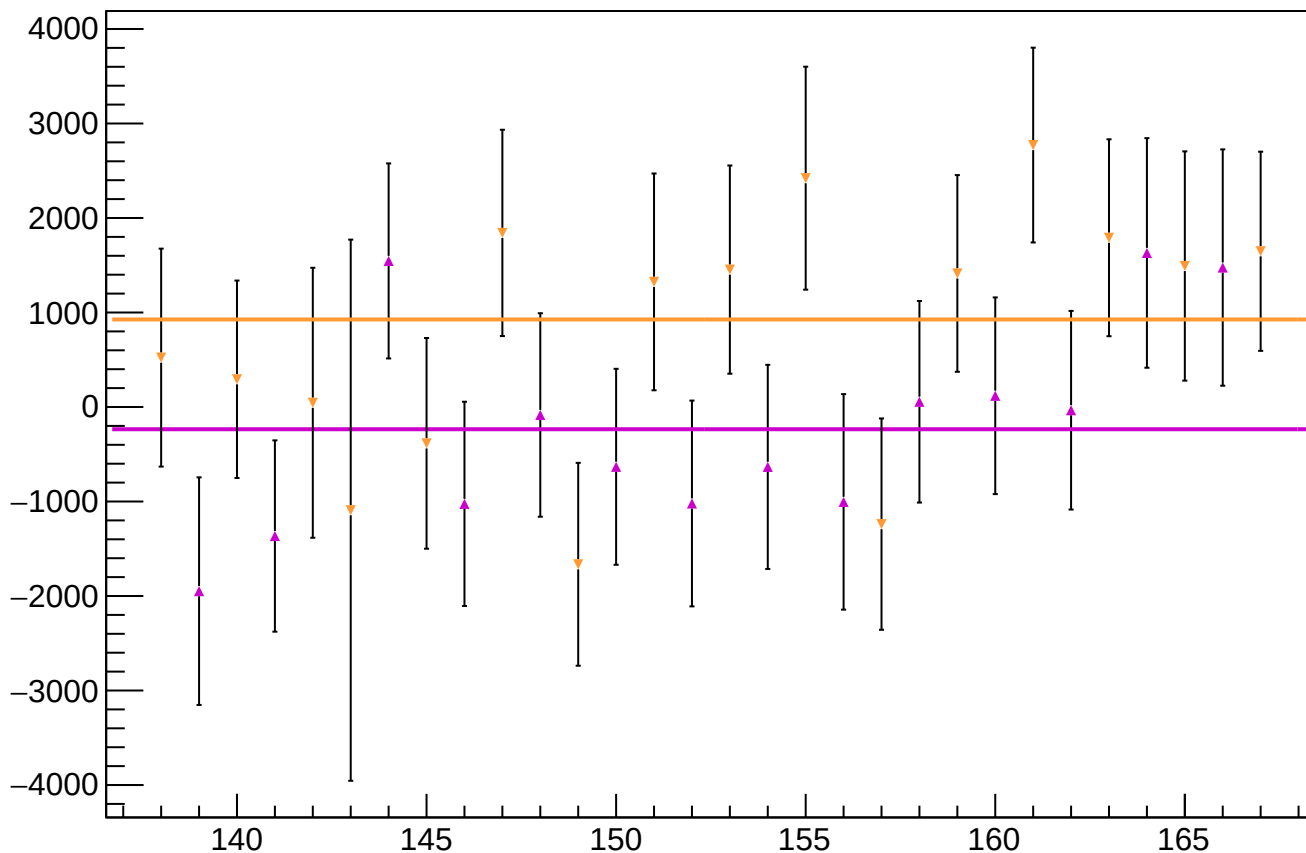
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1596.768+/-0.346 χ^2/NDF :413588.2/13

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

All: 1614.483+/-0.242 χ^2/NDF : 1040175.6/29

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: -235.245+/-291.739 χ^2/NDF :12.5/13

Left: 357.887+/-204.080 χ^2/NDF : 40.4/29

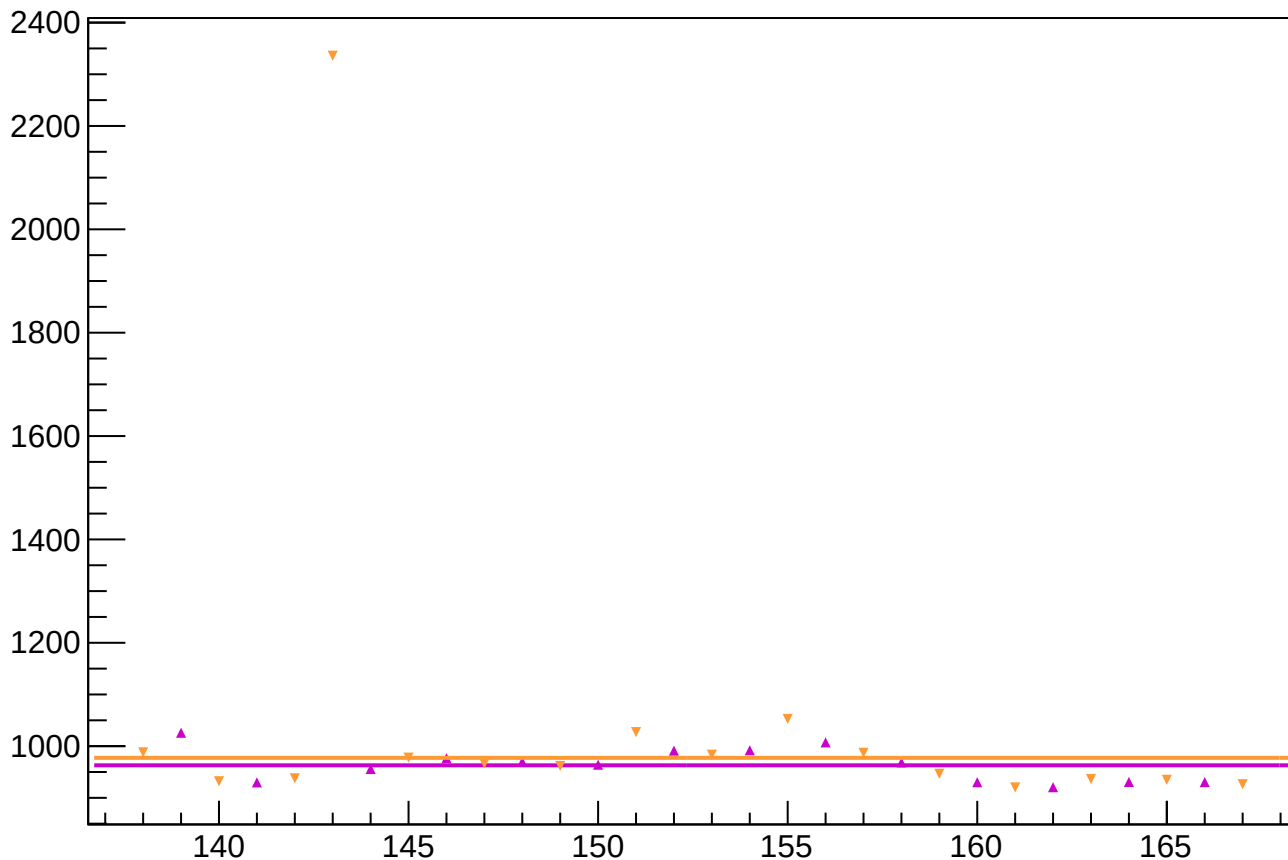
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -235.245+/-291.739 χ^2/NDF :12.5/13

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

All: 357.887+/-204.080 χ^2/NDF : 40.4/29

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: 962.965+/-0.206 χ^2/NDF : 21985.6/13

Left: 970.325+/-0.144 χ^2/NDF : 511118.6/29

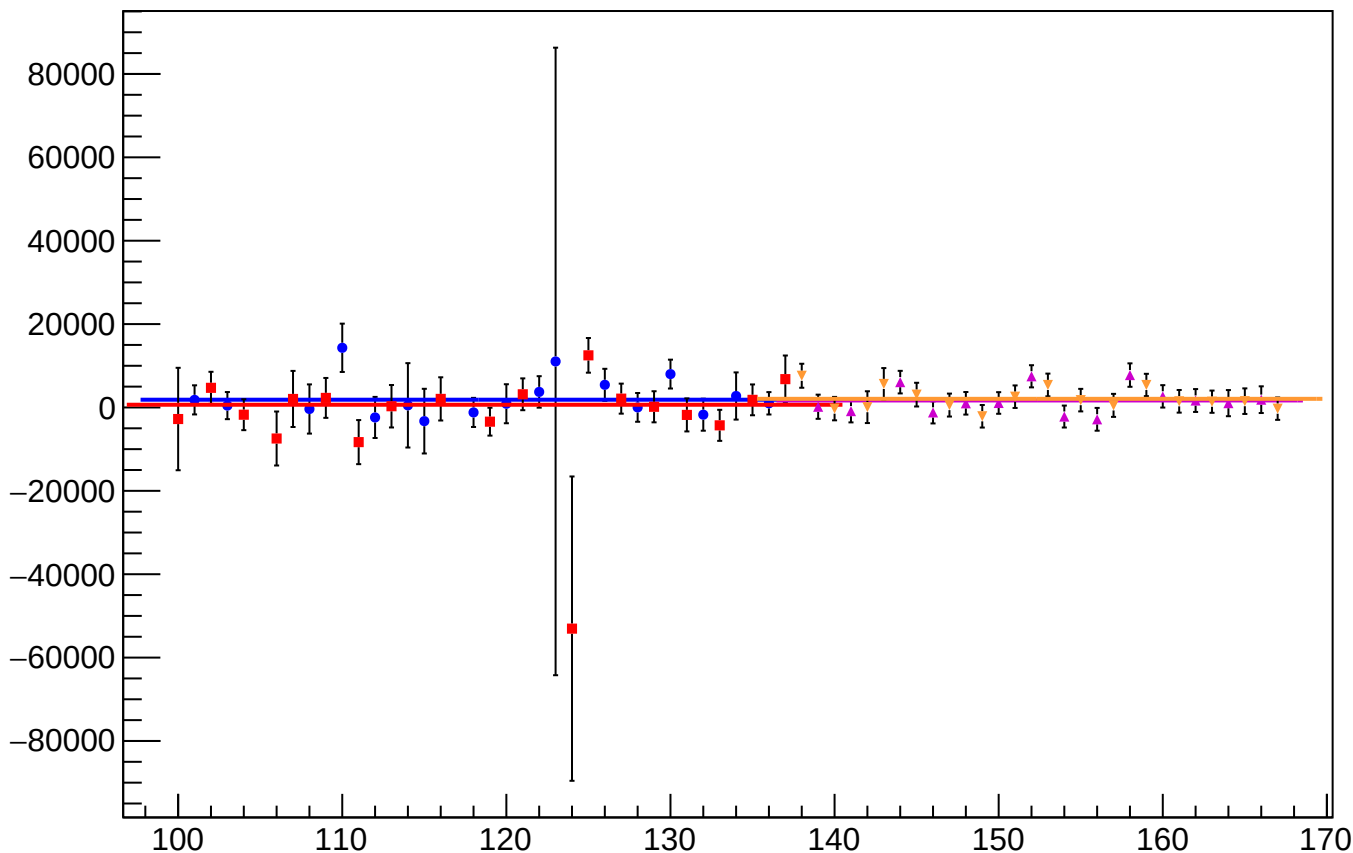
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 962.965+/-0.206 χ^2/NDF : 21985.6/13

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

All: 970.325+/-0.144 χ^2/NDF : 511118.6/29

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: 1679.449+/-737.809 χ^2/NDF : 19.6/13

Left: 1883.587+/-511.989 χ^2/NDF : 32.4/29

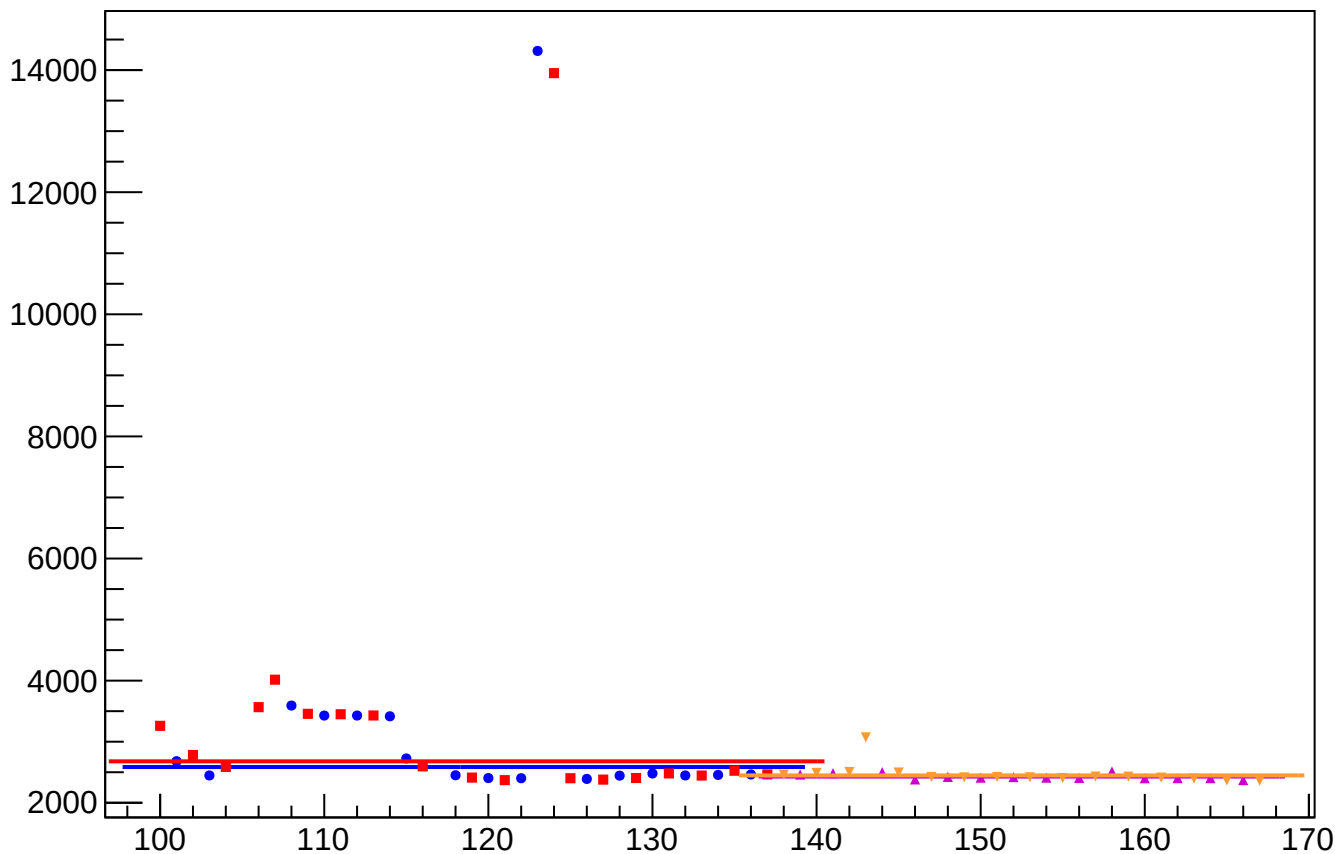
Right: 1263.106+/-720.235 χ^2/NDF : 35.3/35

In: 1741.914+/-596.479 χ^2/NDF : 32.1/30

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

All: 1675.296+/-417.297 χ^2/NDF : 68.2/65

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: 2428.708 $\pm$ 0.522 χ^2 /NDF: 6414.8/13

Left: 2438.663 $\pm$ 0.362 χ^2 /NDF: 68360.9/29

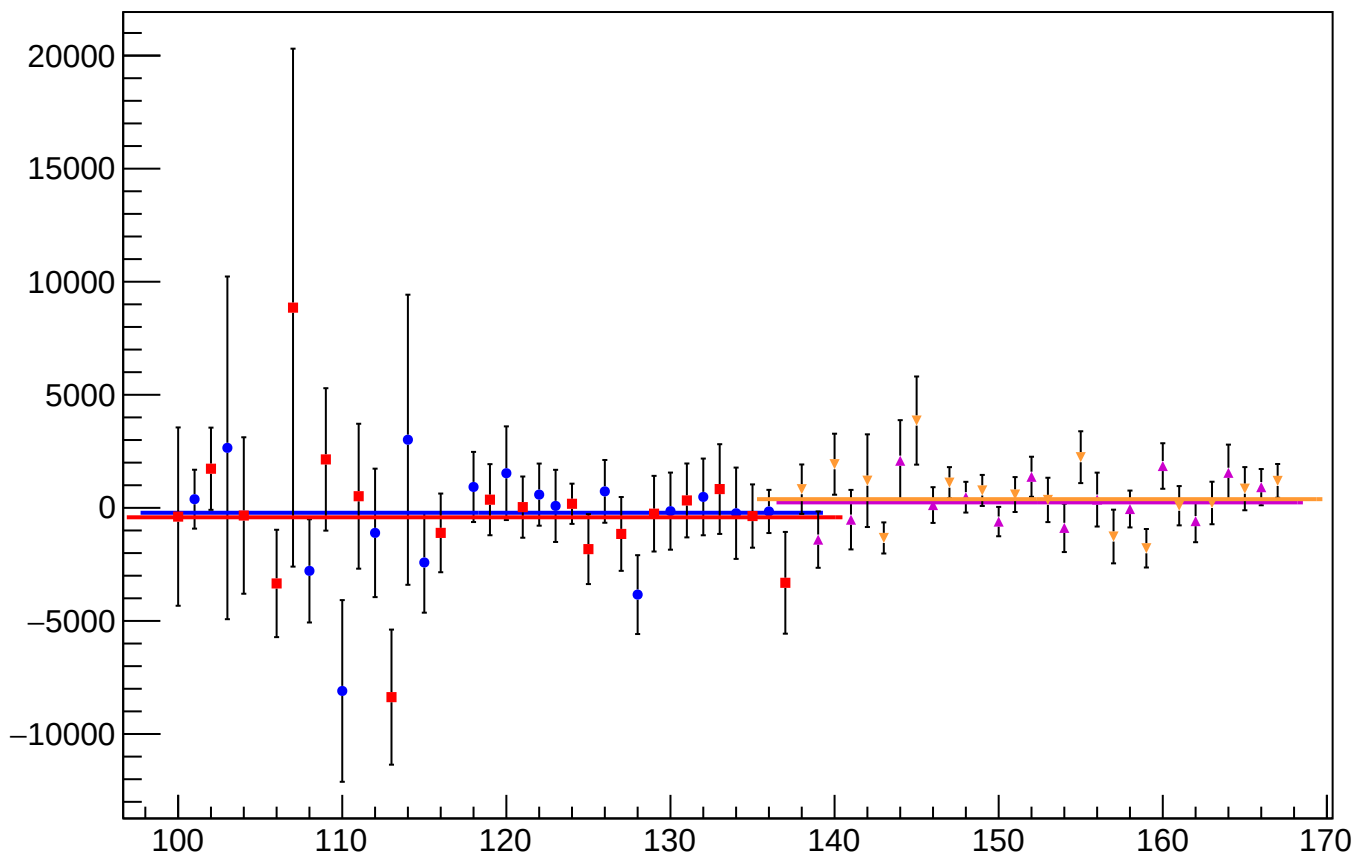
Right: 2631.050 $\pm$ 0.509 χ^2 /NDF: 796216.7/35

In: 2482.787 $\pm$ 0.422 χ^2 /NDF: 293142.6/30

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

All: 2503.246 $\pm$ 0.295 χ^2 /NDF: 959376.7/65

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 384.486+/-228.491 χ^2/NDF : 25.2/15

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

Left In: 242.125+/-247.225 χ^2/NDF : 13.0/13

Left: 318.903+/-167.800 χ^2/NDF : 38.4/29

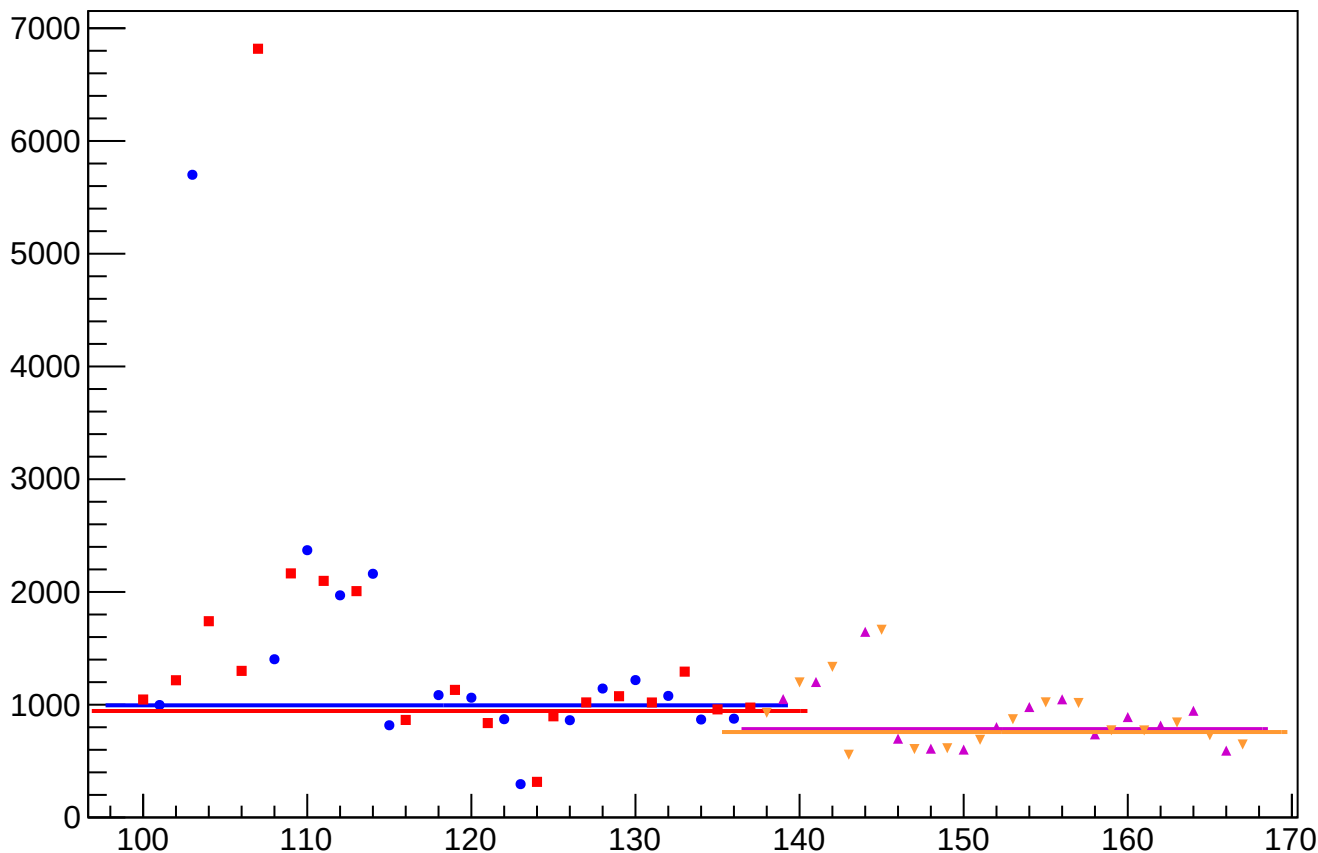
Right: -319.789+/-293.036 χ^2/NDF : 29.2/35

In: 124.008+/-213.065 χ^2/NDF : 27.3/30

Out: 193.778+/-199.471 χ^2/NDF : 43.8/34

All: 161.190+/-145.616 χ^2/NDF : 71.1/65

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: 783.588+/-0.175 χ^2/NDF :1410801.6/13

Left: 769.613+/-0.119 χ^2/NDF : 2937293.5/29

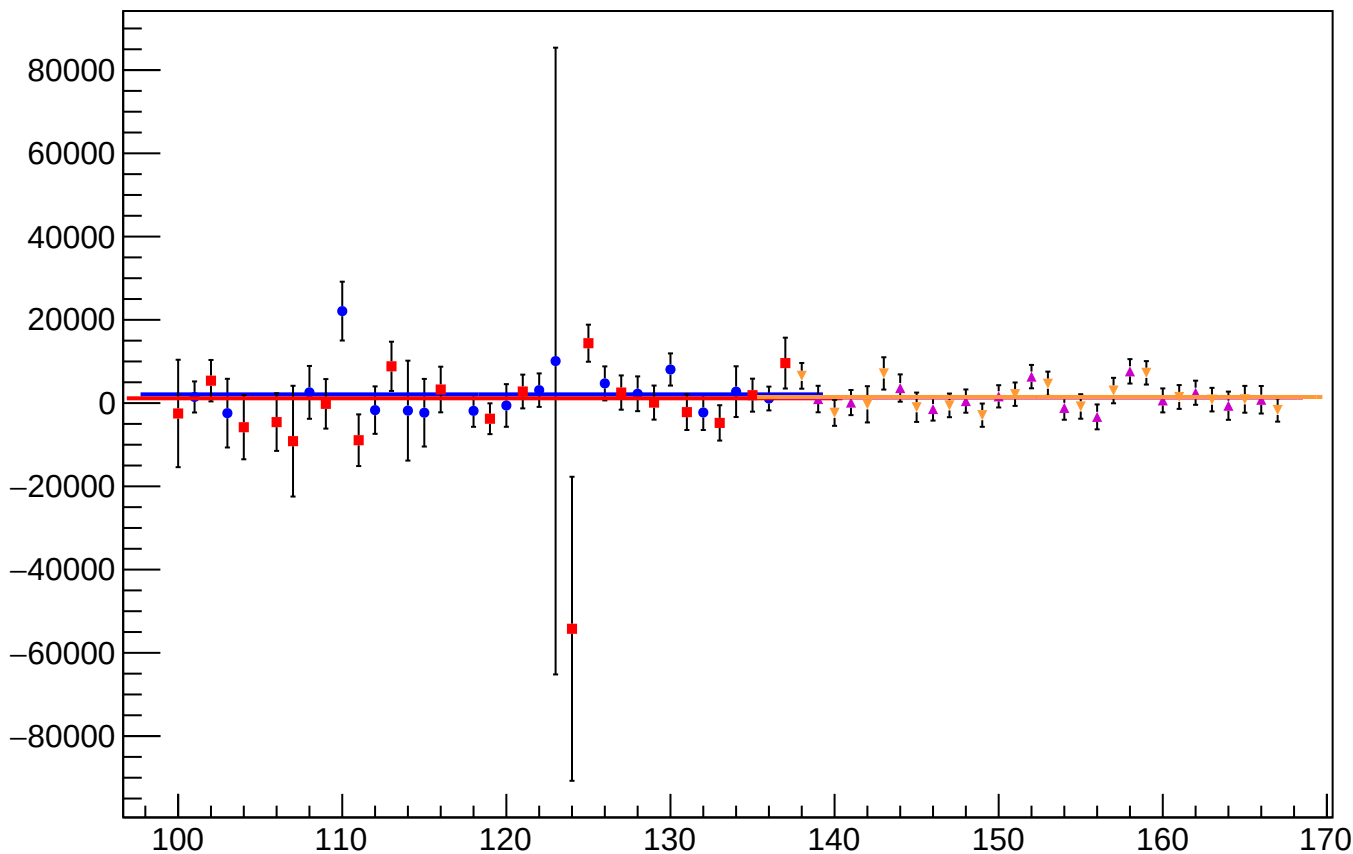
Right: 968.741+/-0.207 χ^2/NDF : 4585251.1/35

In: 837.857+/-0.151 χ^2/NDF :3689964.2/30

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

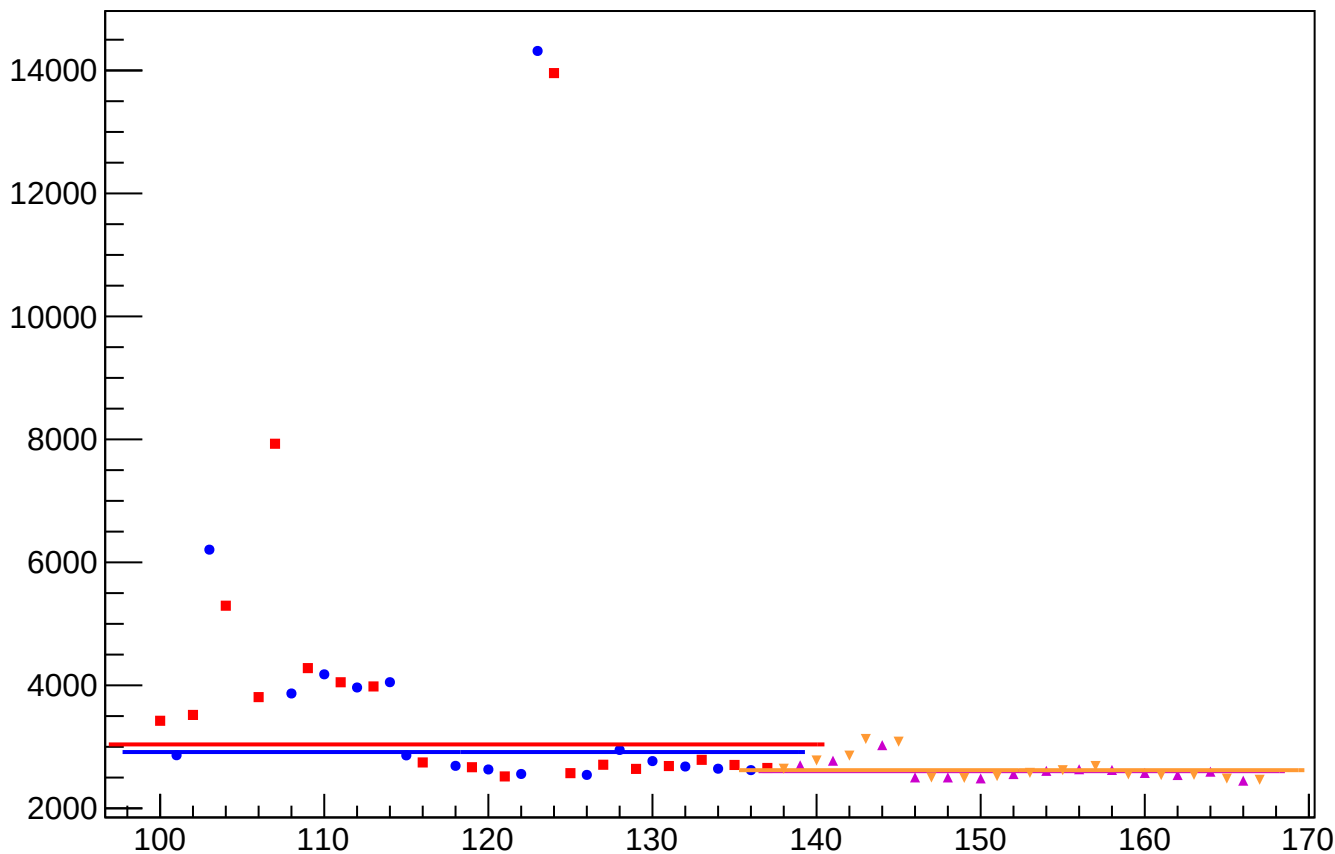
All: 818.784+/-0.103 χ^2/NDF : 8218028.0/65

asym_atl1_mean vs Slug, Sign Corrected



Left: 1397.504 +/- 549.117 χ^2/NDF : 30.9/29
Right: 1631.633 +/- 829.783 χ^2/NDF : 40.1/35
In: 1574.178 +/- 654.214 χ^2/NDF : 28.2/30
Out: 1367.591 +/- 641.197 χ^2/NDF : 42.8/34
All: 1468.809 +/- 457.928 χ^2/NDF : 71.1/65

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: 2604.140+/-0.560 χ^2/NDF :56983.6/13

Left: 2612.471+/-0.388 χ^2/NDF : 162701.0/29

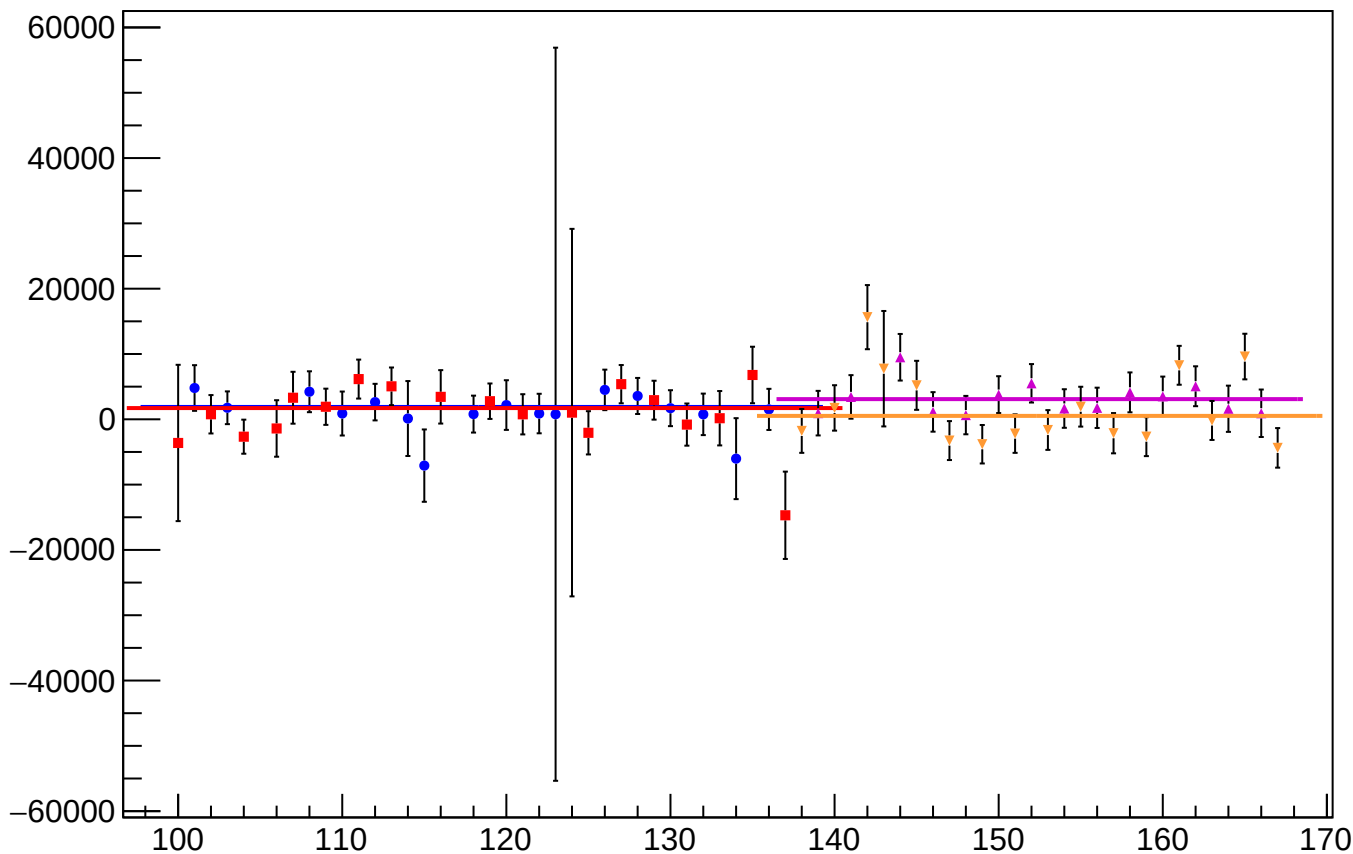
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

In: 2703.006+/-0.463 χ^2/NDF :794153.6/30

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

All: 2723.114+/-0.324 χ^2/NDF : 2090984.7/65

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1889.943+/-811.431 χ^2 /NDF: 7.3/16

Left Out: 522.921+/-819.572 χ^2 /NDF:35.7/15

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

Left In: 3090.599+/-839.294 χ^2 /NDF:7.0/13

Left: 1776.238+/-586.374 χ^2 /NDF: 47.5/29

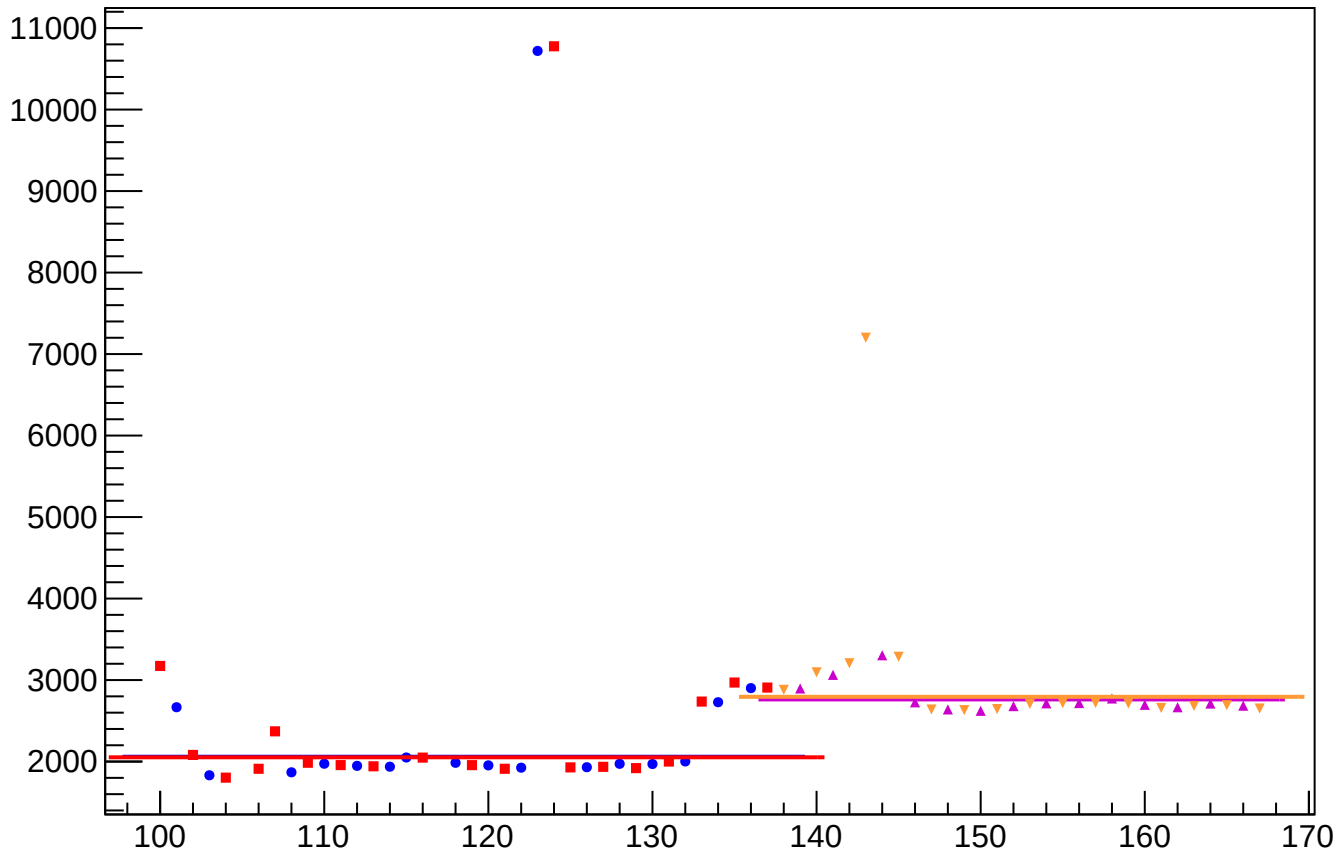
Right: 1802.263+/-566.080 χ^2 /NDF: 26.2/35

In: 2470.011+/-583.370 χ^2 /NDF:15.3/30

Out: 1142.913+/-568.823 χ^2 /NDF:55.8/34

All: 1789.709+/-407.264 χ^2 /NDF: 73.8/65

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2794.559 $\pm$ 0.580 χ^2 /NDF: 597437.8/15

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

Left In: 2762.199 $\pm$ 0.593 χ^2 /NDF: 81027.0/13

Left: 2778.764 $\pm$ 0.415 χ^2 /NDF: 679986.6/29

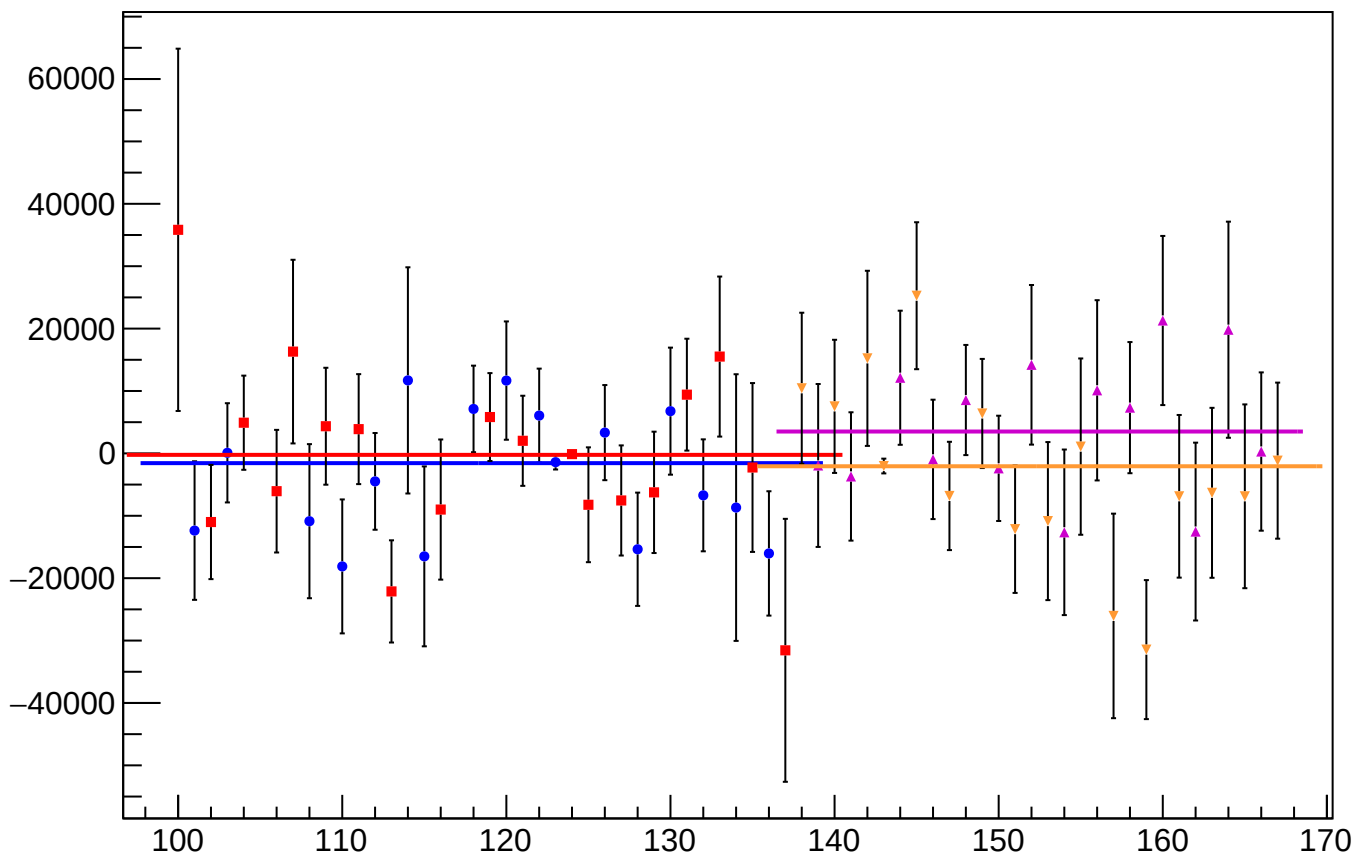
Right: 2055.522 $\pm$ 0.400 χ^2 /NDF: 761953.2/35

In: 2398.714 $\pm$ 0.413 χ^2 /NDF: 1125342.0/30

Out: 2409.825 $\pm$ 0.402 χ^2 /NDF: 1891101.9/34

All: 2404.410 $\pm$ 0.288 χ^2 /NDF: 3016815.8/65

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: 3503.590+/-3052.332 χ^2/NDF : 8.8/13

Left: -1422.155+/-1036.154 χ^2/NDF : 32.7/29

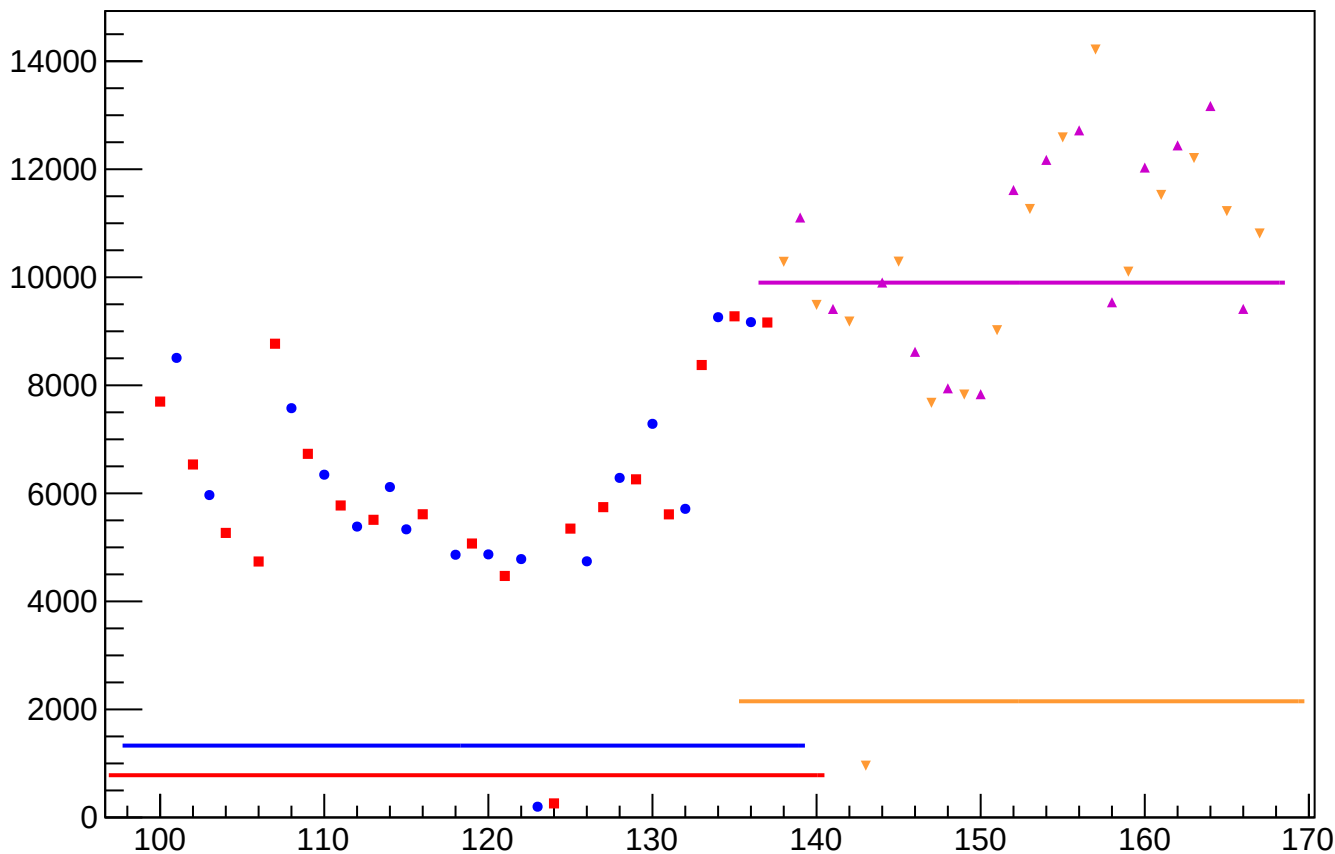
Right: -638.499+/-580.304 χ^2/NDF : 38.1/35

In: -1023.472+/-996.229 χ^2/NDF : 27.5/30

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

All: -825.612+/-506.307 χ^2/NDF : 71.3/65

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250+/-0.745

χ^2/NDF : 10046828.9/16

Left Out: 2150.714+/-0.779

χ^2/NDF : 15968185.5/15

Right Out: 781.848+/-0.492

χ^2/NDF : 11439893.7/18

Left In: 9900.876+/-2.158

χ^2/NDF : 635802.9/13

Left: 3043.806+/-0.733

χ^2/NDF : 28012155.7/29

Right: 948.102+/-0.410

χ^2/NDF : 21864055.1/35

In: 2243.243+/-0.704

χ^2/NDF : 24771421.1/30

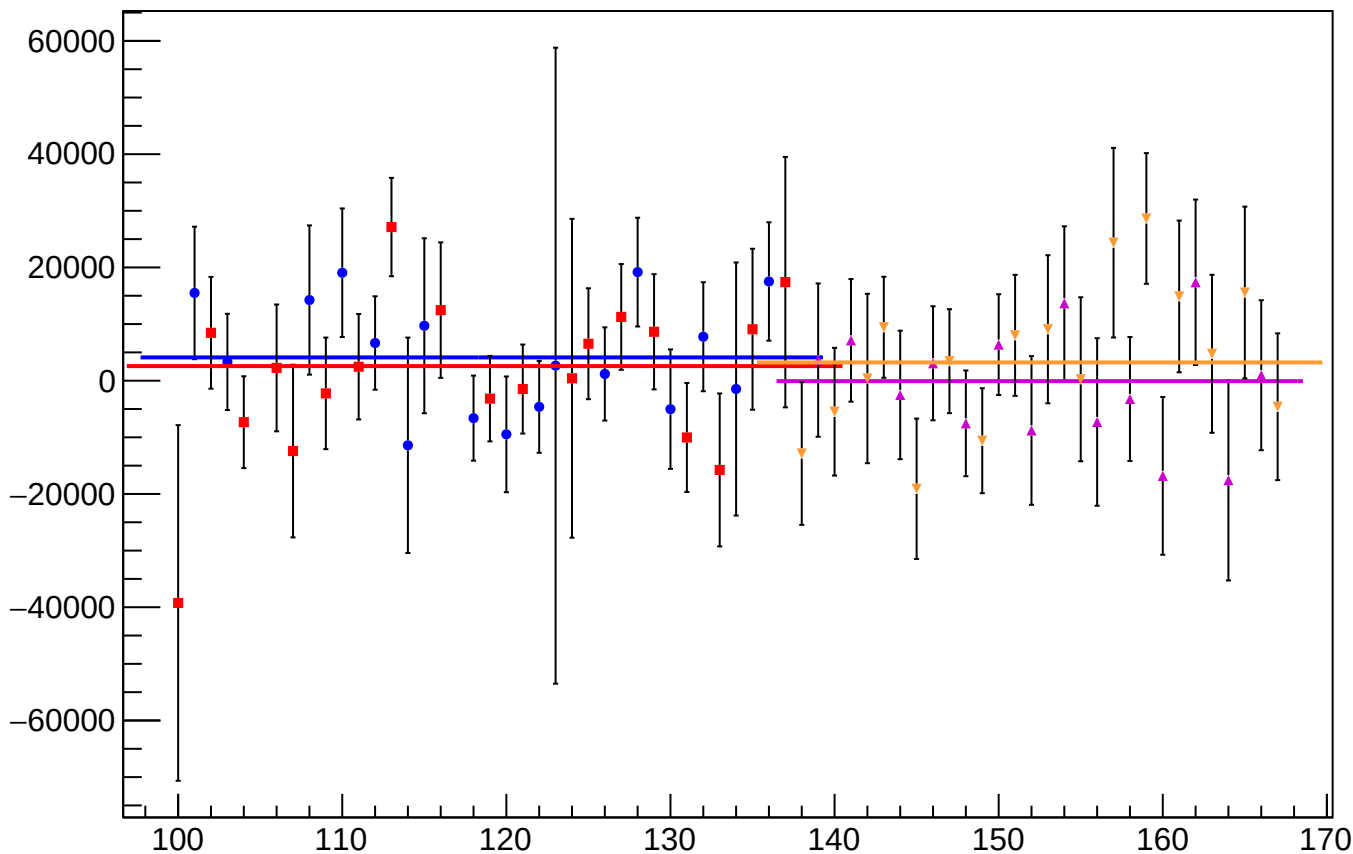
Out: 1171.730+/-0.416

χ^2/NDF : 29616825.7/34

All: 1448.492+/-0.358

χ^2/NDF : 56104337.6/60

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: -75.925 $\pm$ 3185.154 χ^2/NDF :7.5/13

Left: 1685.825 $\pm$ 2175.627 χ^2/NDF : 24.9/29

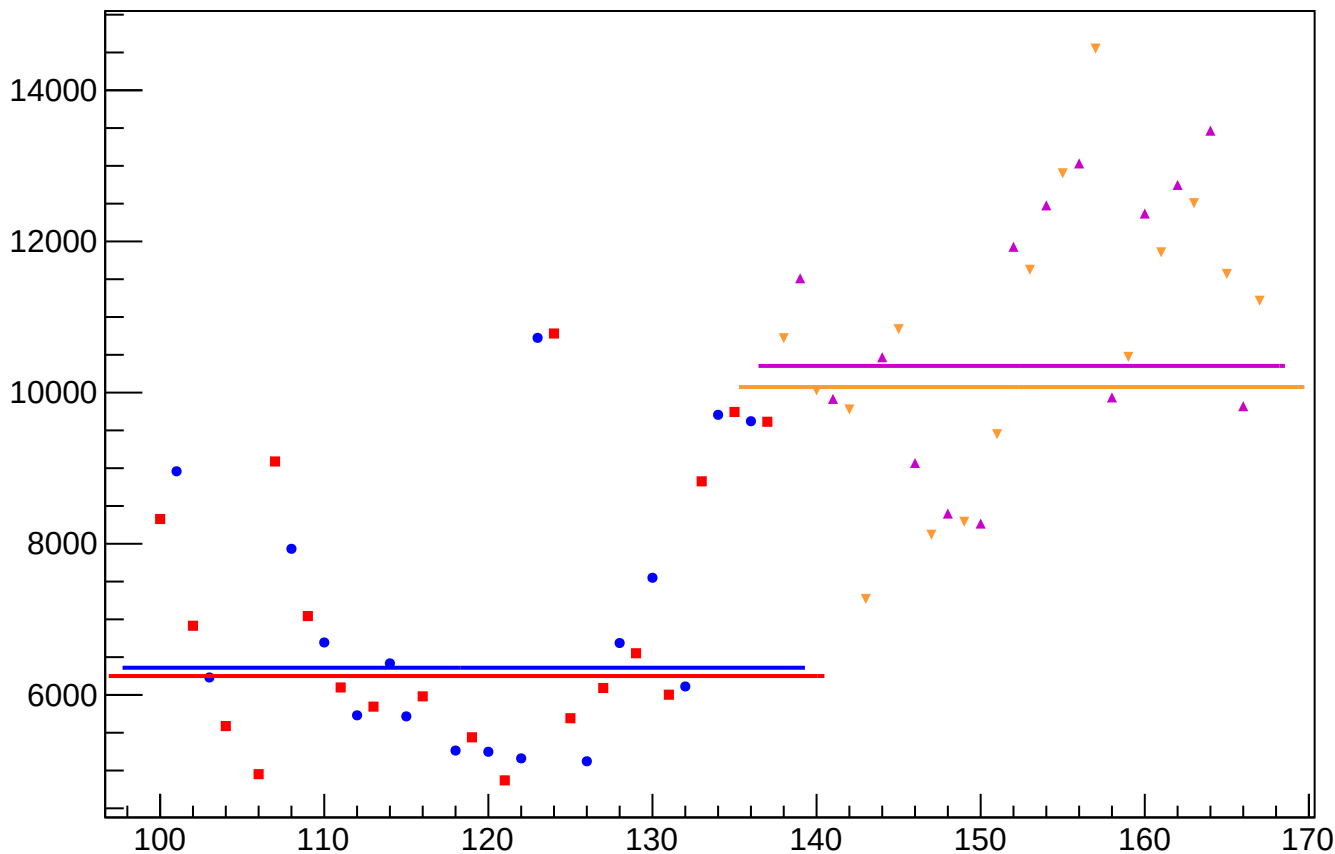
Right: 3309.487 $\pm$ 1750.441 χ^2/NDF : 34.5/35

In: 2488.271 $\pm$ 1983.216 χ^2/NDF :22.8/30

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

All: 2671.457 $\pm$ 1363.820 χ^2/NDF : 59.7/65

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: 10353.115+/-2.252 χ^2/NDF : 554882.5/13

Left: 10203.921+/-1.538 χ^2/NDF : 1327016.7/29

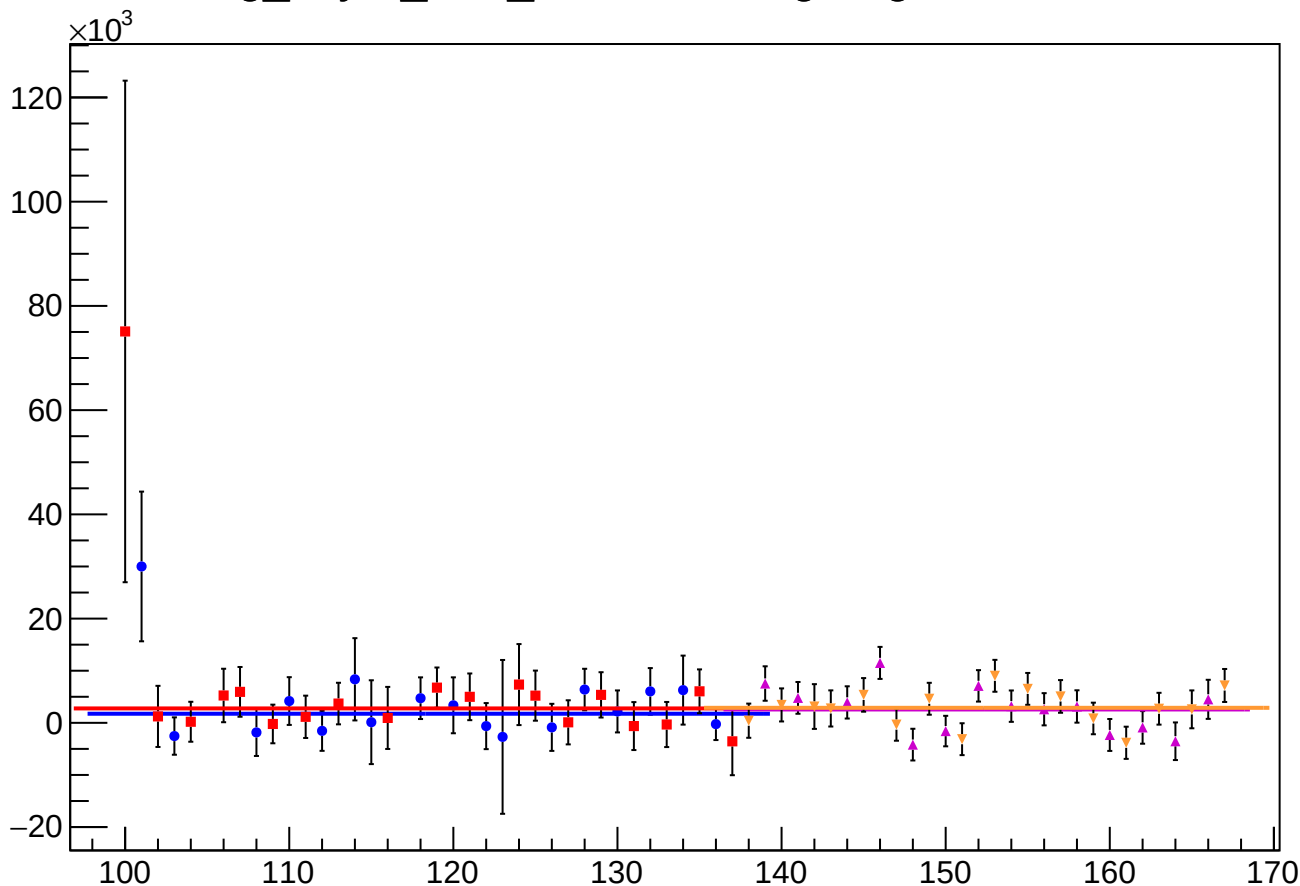
Right: 6302.460+/-1.238 χ^2/NDF : 1115403.3/35

In: 7908.019+/-1.402 χ^2/NDF : 3060150.0/30

Out: 7770.474+/-1.328 χ^2/NDF : 3281505.1/34

All: 7835.518+/-0.964 χ^2/NDF : 6346725.9/65

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2881.712 $\pm$ 801.547 χ^2 /NDF:19.4/15

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

Left In: 2563.813 $\pm$ 839.225 χ^2 /NDF:27.6/13

Left: 2730.059 $\pm$ 579.642 χ^2 /NDF: 47.1/29

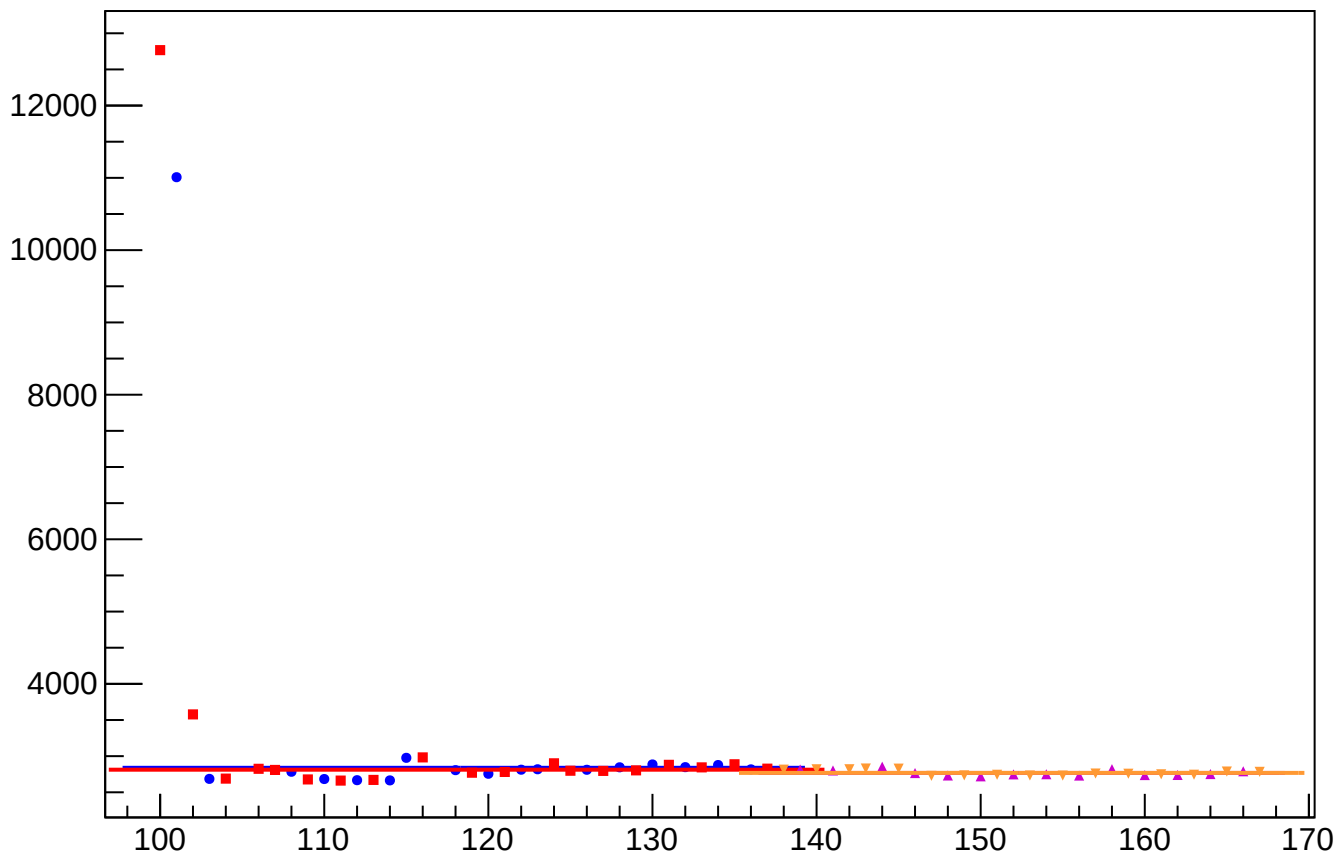
Right: 2281.084 $\pm$ 777.212 χ^2 /NDF: 22.3/35

In: 2272.598 $\pm$ 673.427 χ^2 /NDF:40.2/30

Out: 2839.449 $\pm$ 641.930 χ^2 /NDF:29.1/34

All: 2569.589 $\pm$ 464.649 χ^2 /NDF: 69.6/65

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: 2767.500+/-0.593 χ^2/NDF : 4469.9/13

Left: 2767.939+/-0.410 χ^2/NDF : 8567.3/29

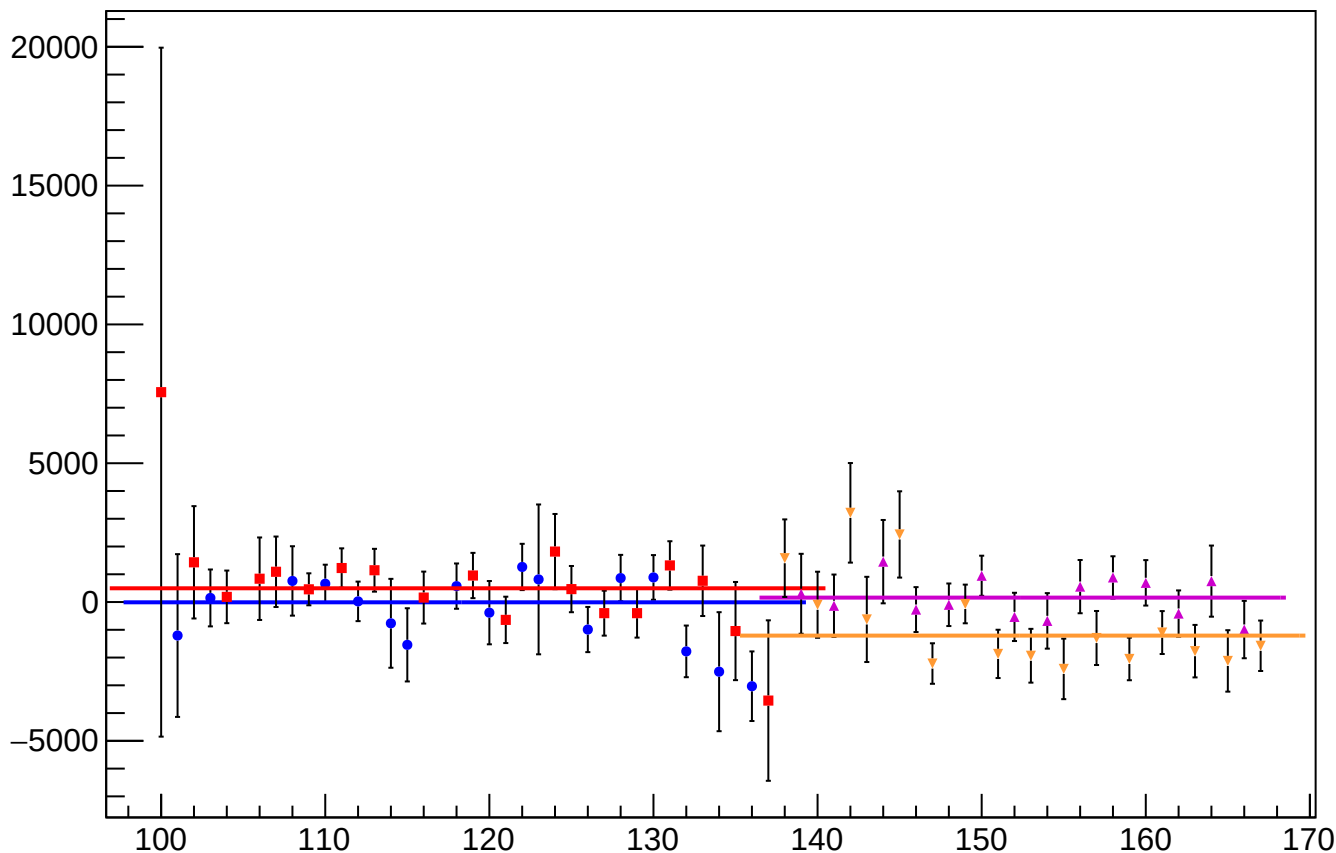
Right: 2825.011+/-0.550 χ^2/NDF : 793836.1/35

In: 2792.867+/-0.476 χ^2/NDF : 669810.9/30

Out: 2784.222+/-0.454 χ^2/NDF : 139349.9/34

All: 2788.338+/-0.329 χ^2/NDF : 809333.4/65

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: 159.185 ± 246.378 $\chi^2/\text{NDF}: 7.2/13$

Left: -537.954 ± 172.554 $\chi^2/\text{NDF}: 48.8/29$

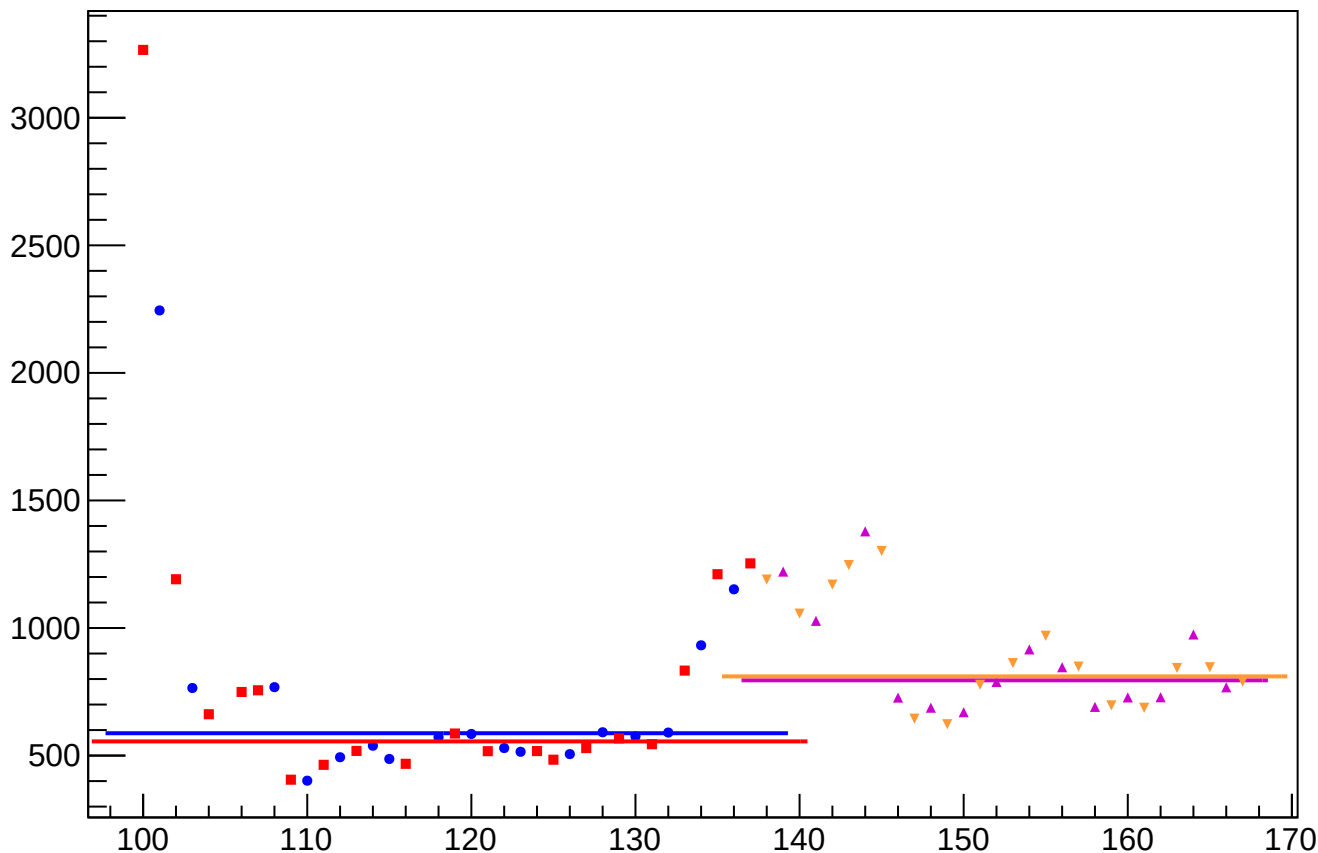
Right: 264.680 ± 163.287 $\chi^2/\text{NDF}: 35.0/35$

In: 73.042 ± 172.530 $\chi^2/\text{NDF}: 28.1/30$

Out: -282.543 ± 163.307 $\chi^2/\text{NDF}: 64.8/34$

All: -114.508 ± 118.602 $\chi^2/\text{NDF}: 95.2/65$

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: 795.045+/-0.174 χ^2/NDF :816248.9/13

Left: 802.890+/-0.122 χ^2/NDF : 1898214.0/29

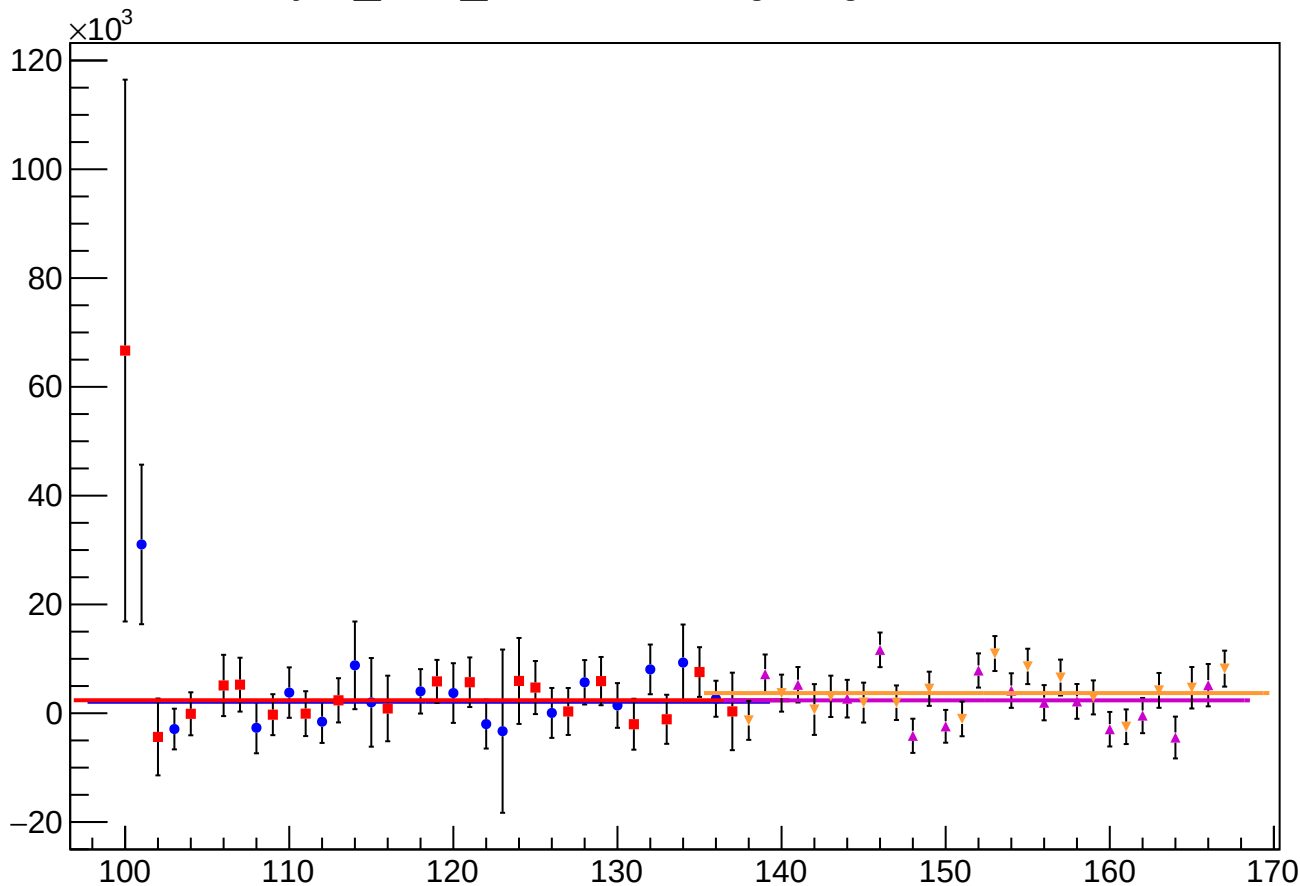
Right: 570.170+/-0.115 χ^2/NDF : 2551661.9/35

In: 689.323+/-0.122 χ^2/NDF :2964623.0/30

Out: 671.862+/-0.115 χ^2/NDF :3393683.0/34

All: 680.114+/-0.084 χ^2/NDF : 6369110.2/65

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: 2366.792 $\pm$ 881.817 χ^2 /NDF:28.5/13

Left: 3062.963 $\pm$ 610.718 χ^2 /NDF: 48.8/29

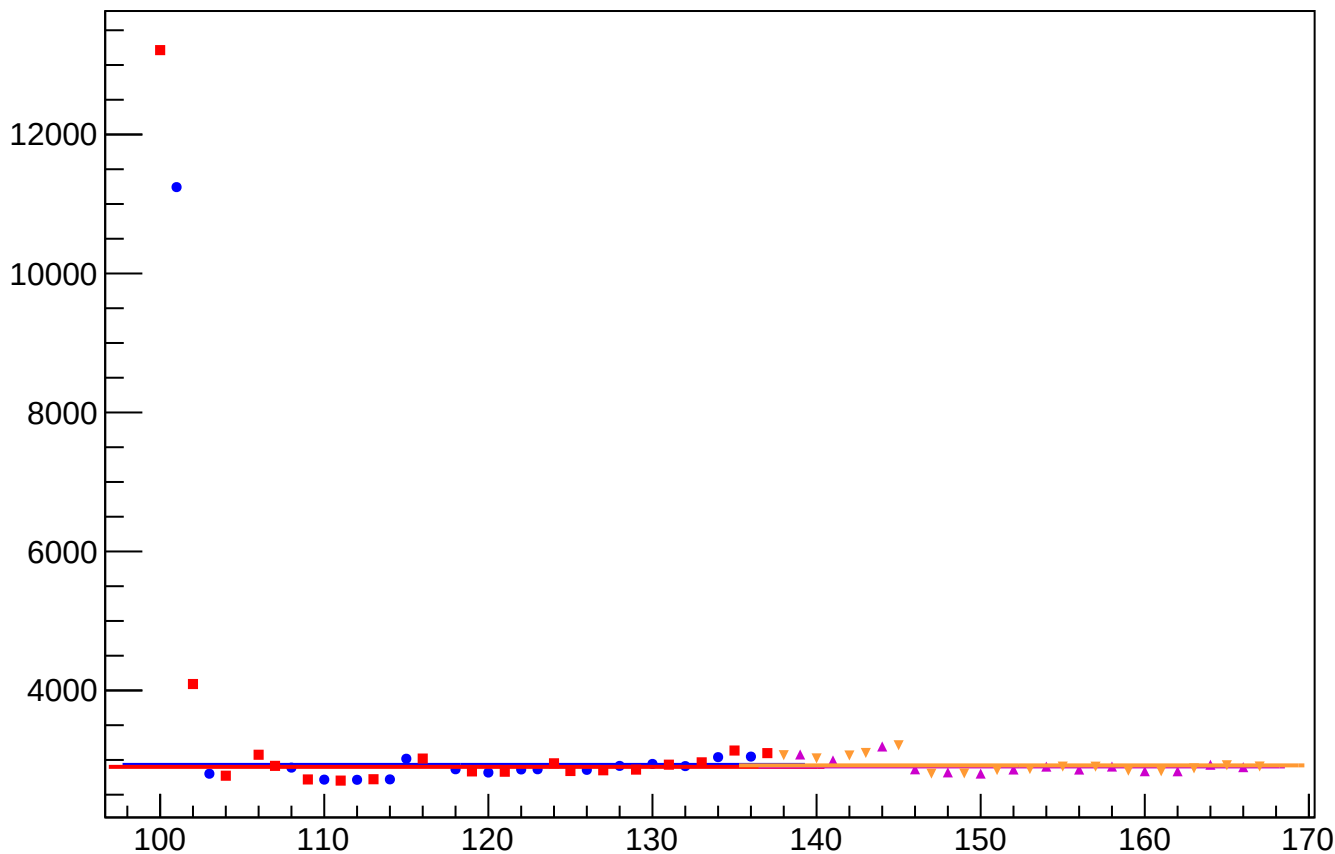
Right: 2253.766 $\pm$ 803.505 χ^2 /NDF: 23.4/35

In: 2272.641 $\pm$ 702.964 χ^2 /NDF:42.0/30

Out: 3219.765 $\pm$ 673.224 χ^2 /NDF:30.0/34

All: 2766.662 $\pm$ 486.215 χ^2 /NDF: 72.9/65

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: 2906.475+/-0.624 χ^2/NDF : 26583.4/13

Left: 2914.432+/-0.432 χ^2/NDF : 60838.9/29

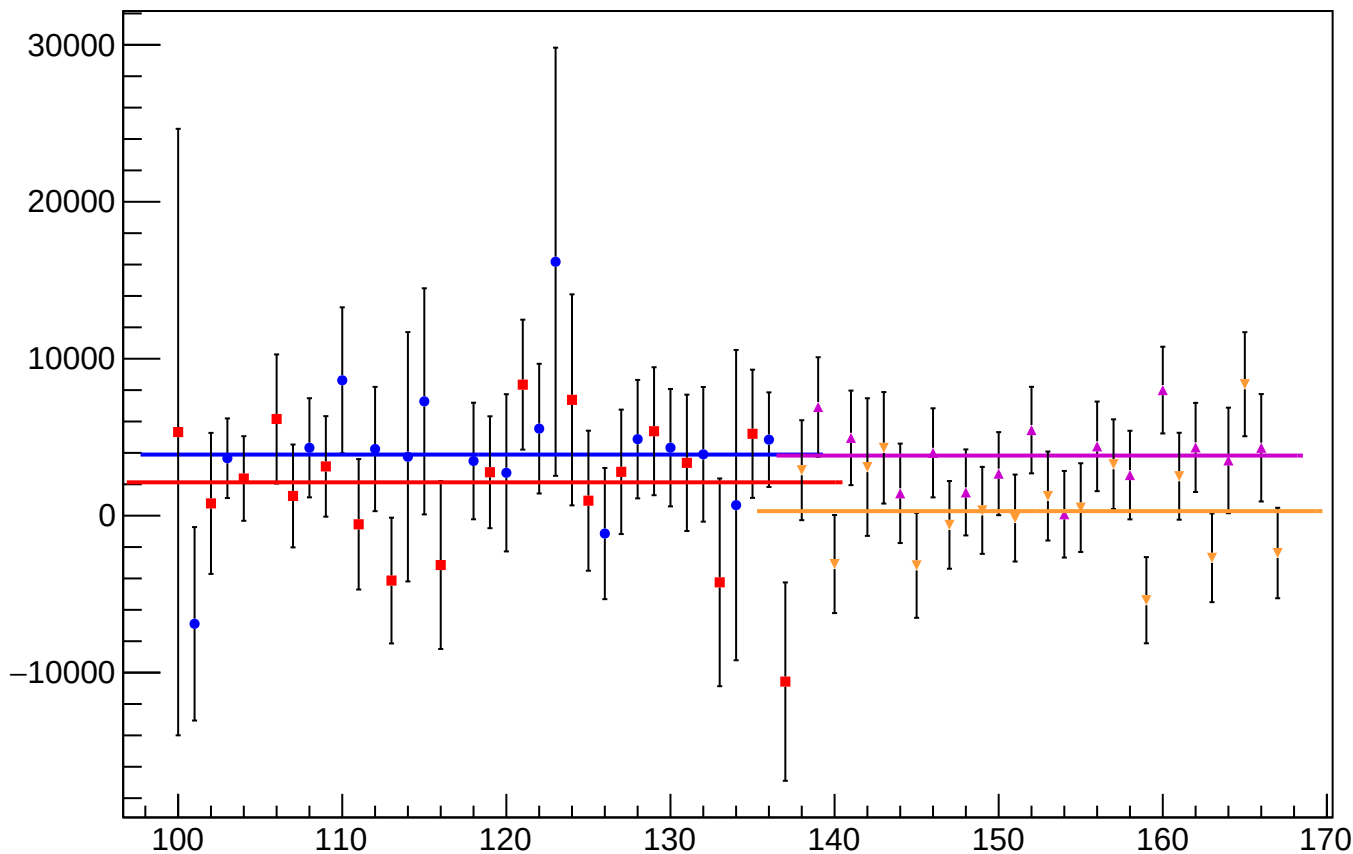
Right: 2913.915+/-0.568 χ^2/NDF : 832699.2/35

In: 2914.577+/-0.497 χ^2/NDF : 689409.4/30

Out: 2913.937+/-0.476 χ^2/NDF : 204128.4/34

All: 2914.243+/-0.344 χ^2/NDF : 893538.6/65

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 288.131+/-749.114 χ^2/NDF : 18.8/15

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

Left In: 3829.791+/-778.693 χ^2/NDF : 7.4/13

Left: 1990.419+/-539.858 χ^2/NDF : 36.9/29

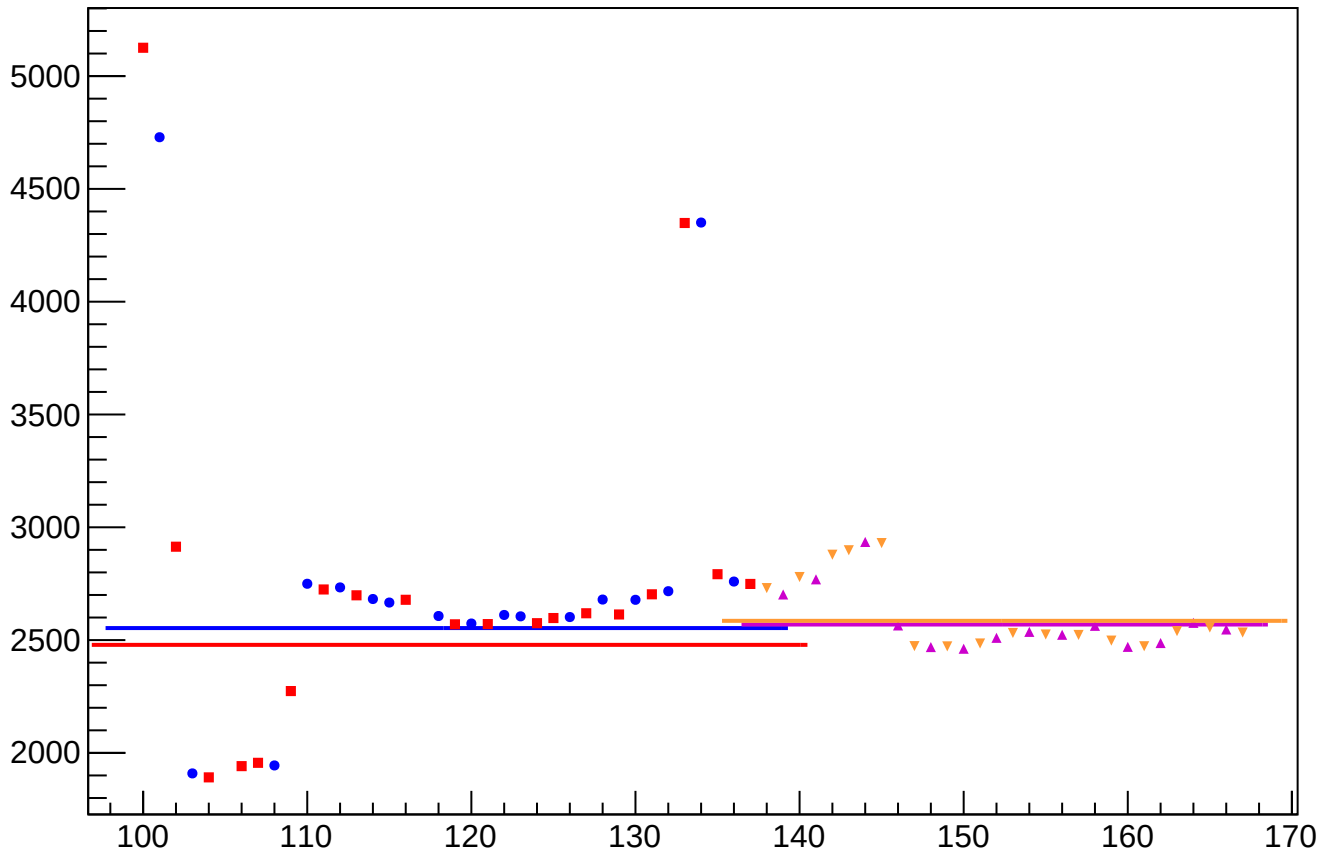
Right: 2960.811+/-695.784 χ^2/NDF : 23.1/35

In: 3853.121+/-617.079 χ^2/NDF : 14.5/30

Out: 984.627+/-590.216 χ^2/NDF : 35.4/34

All: 2355.080+/-426.526 χ^2/NDF : 61.2/65

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2585.356 $\pm$ 0.530 χ^2/NDF : 76052.6/15

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

Left In: 2569.013 $\pm$ 0.551 χ^2/NDF : 51051.2/13

Left: 2577.501 $\pm$ 0.382 χ^2/NDF : 127561.3/29

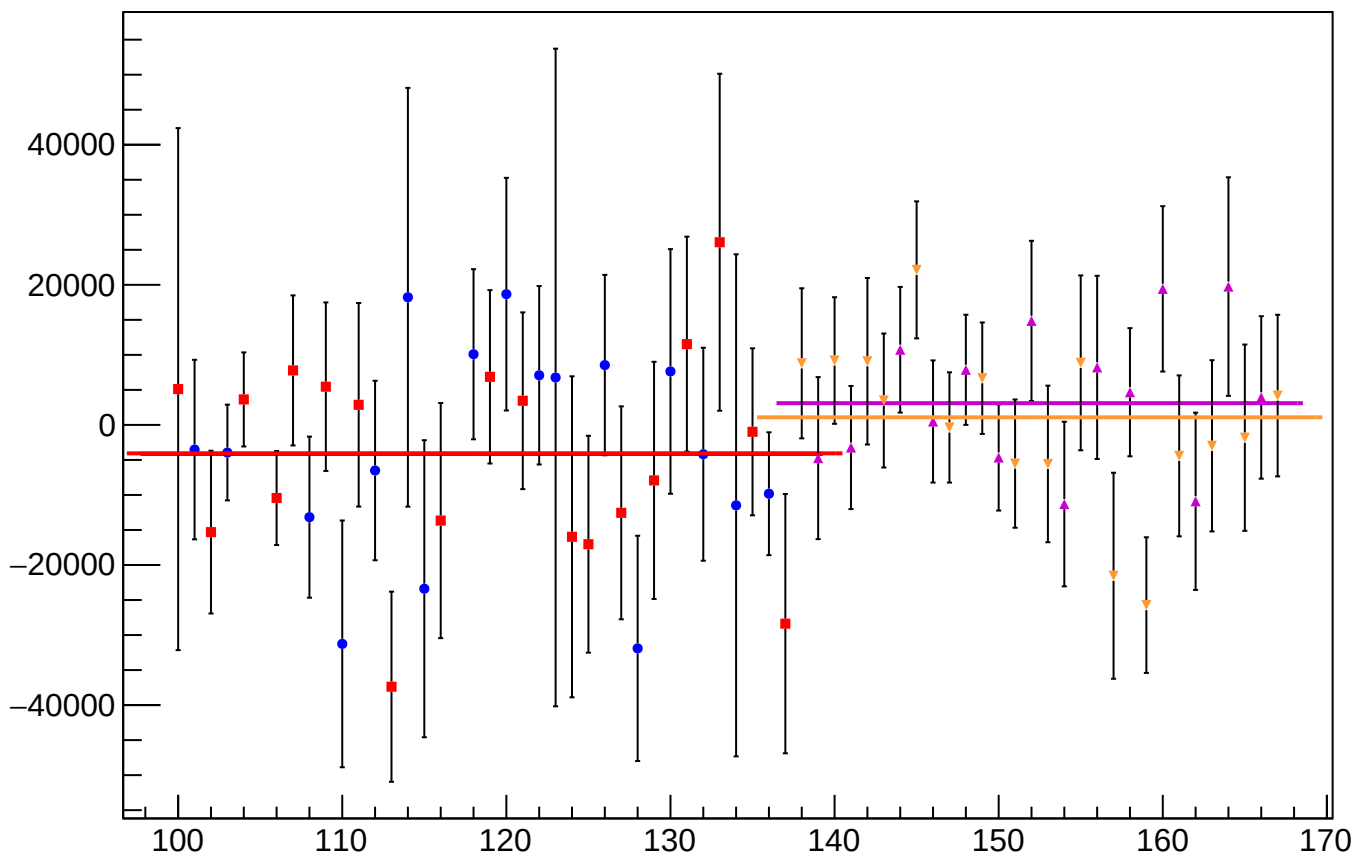
Right: 2514.058 $\pm$ 0.492 χ^2/NDF : 1000433.0/35

In: 2563.160 $\pm$ 0.436 χ^2/NDF : 596581.8/30

Out: 2544.968 $\pm$ 0.417 χ^2/NDF : 540884.1/34

All: 2553.660 $\pm$ 0.302 χ^2/NDF : 1138373.7/65

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -4126.319 $\pm$ 3227.044 χ^2 /NDF: 13.4/16

Left Out: 1082.102 $\pm$ 2578.199 χ^2 /NDF: 18.8/15

Right Out: -4060.328 $\pm$ 2834.326 χ^2 /NDF: 18.5/18

Left In: 3104.604 $\pm$ 2699.082 χ^2 /NDF: 10.2/13

Left: 2047.049 $\pm$ 1864.333 χ^2 /NDF: 29.3/29

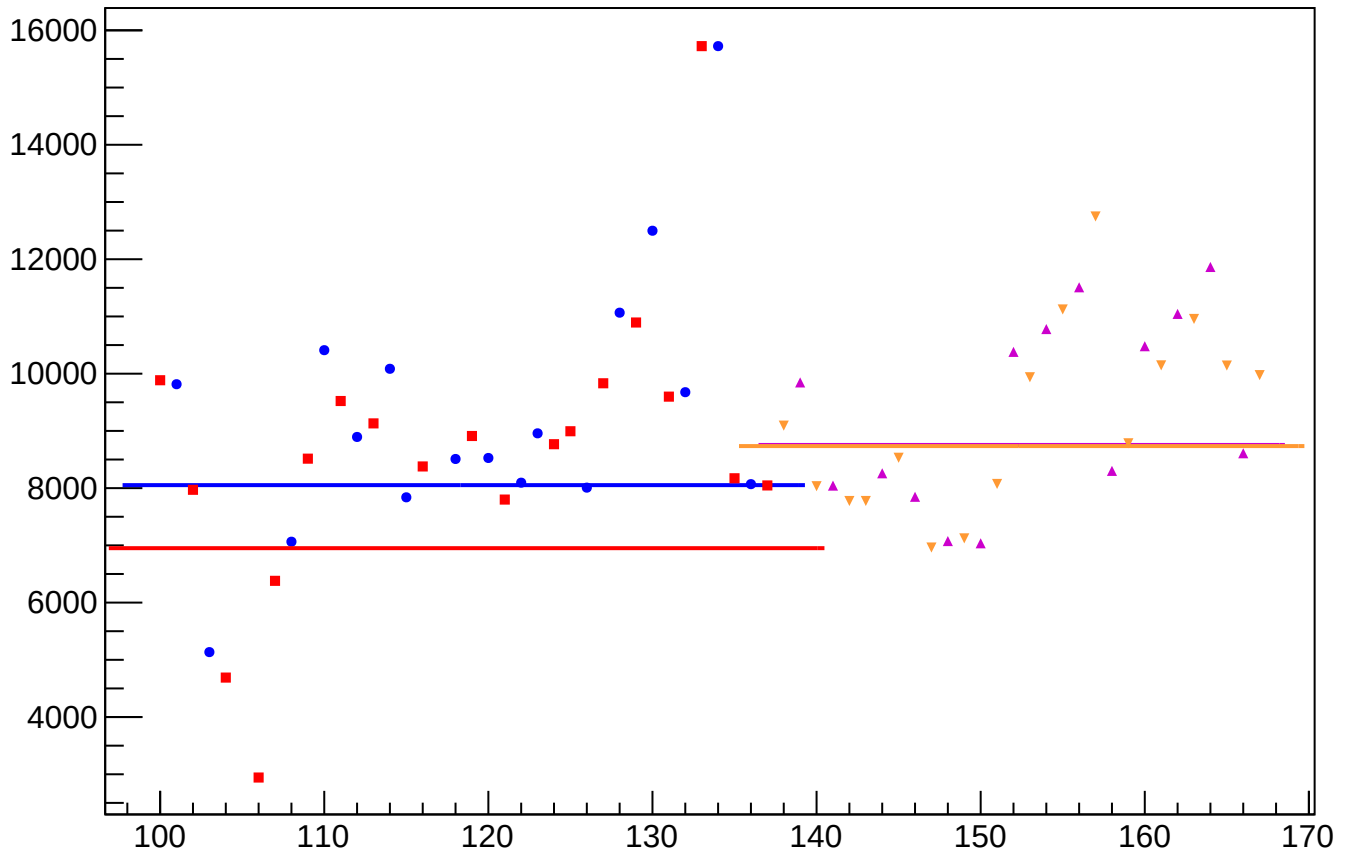
Right: -4089.066 $\pm$ 2129.557 χ^2 /NDF: 31.9/35

In: 128.276 $\pm$ 2070.372 χ^2 /NDF: 26.5/30

Out: -1246.310 $\pm$ 1907.197 χ^2 /NDF: 39.1/34

All: -615.313 $\pm$ 1402.736 χ^2 /NDF: 65.8/65

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8052.552+/-2.282 χ^2/NDF : 790724.2/16

Left Out: 8734.912+/-1.823 χ^2/NDF : 629274.3/15

Right Out: 6950.943+/-2.004 χ^2/NDF : 1776578.9/18

Left In: 8754.569+/-1.909 χ^2/NDF : 634407.8/13

Left: 8744.291+/-1.318 χ^2/NDF : 1263737.6/29

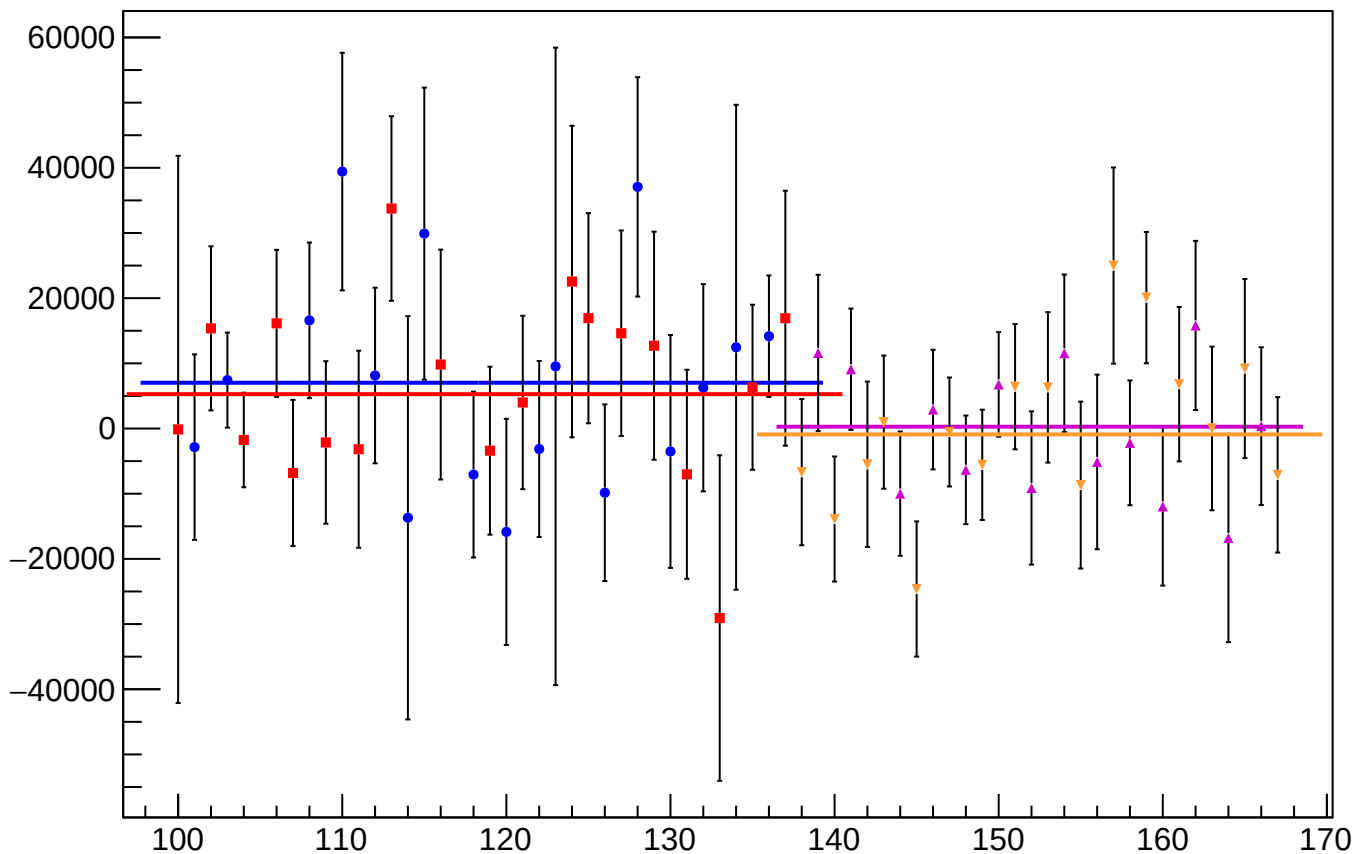
Right: 7430.673+/-1.506 χ^2/NDF : 2698872.2/35

In: 8465.611+/-1.464 χ^2/NDF : 1480822.5/30

Out: 7927.159+/-1.349 χ^2/NDF : 2839427.3/34

All: 8174.333+/-0.992 χ^2/NDF : 4393429.2/65

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: 273.866+/-2824.886 χ^2/NDF : 9.6/13

Left: -339.407+/-1953.637 χ^2/NDF : 27.4/29

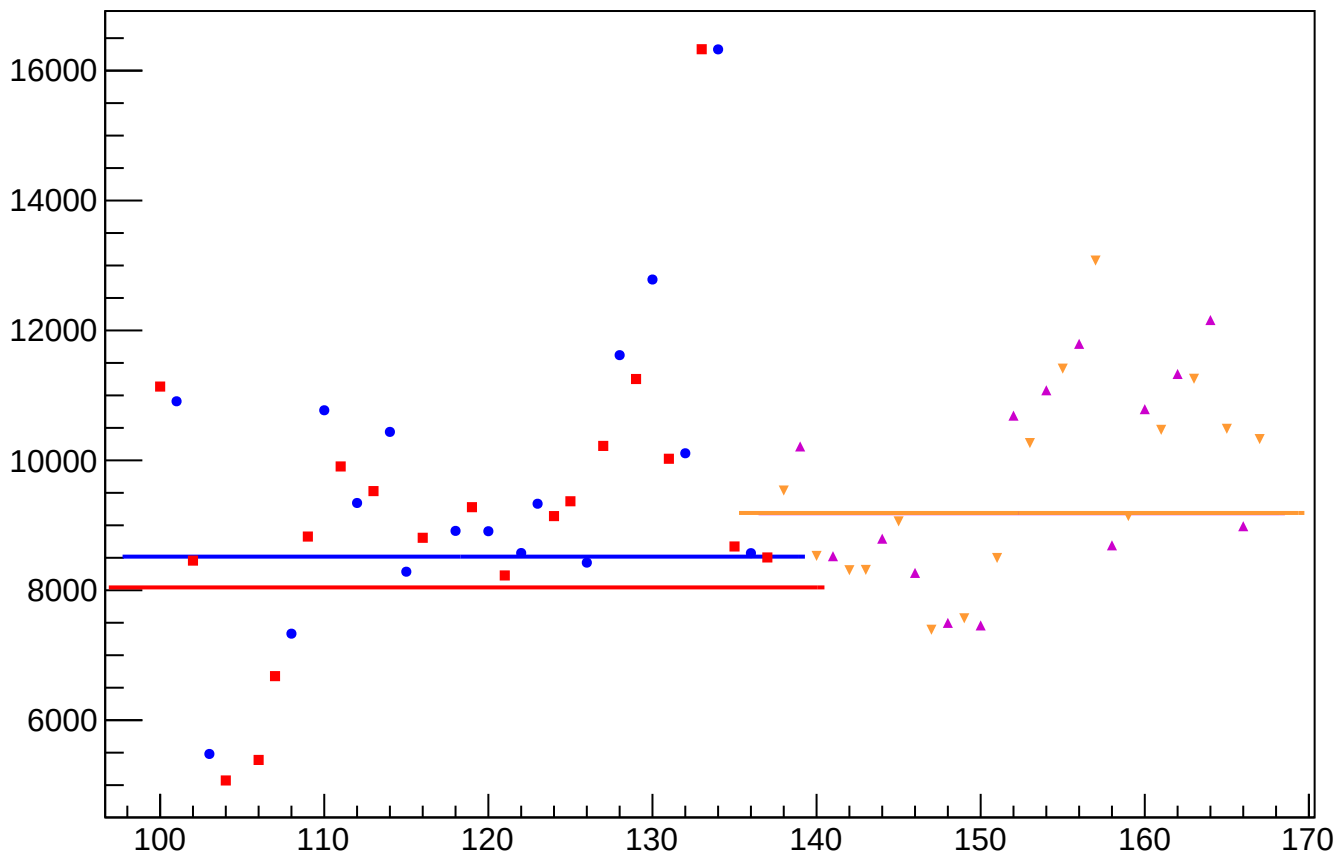
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 3022.053+/-2175.260 χ^2/NDF : 27.0/30

Out: 1700.939+/-2057.074 χ^2/NDF : 33.2/34

All: 2324.633+/-1494.607 χ^2/NDF : 60.4/65

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8517.886+/-2.411 χ^2/NDF : 763281.4/16

Left Out: 9190.124+/-1.913 χ^2/NDF : 537052.1/15

Right Out: 8043.998+/-2.240 χ^2/NDF : 952125.8/18

Left In: 9186.466+/-1.997 χ^2/NDF : 545079.6/13

Left: 9188.374+/-1.381 χ^2/NDF : 1082133.5/29

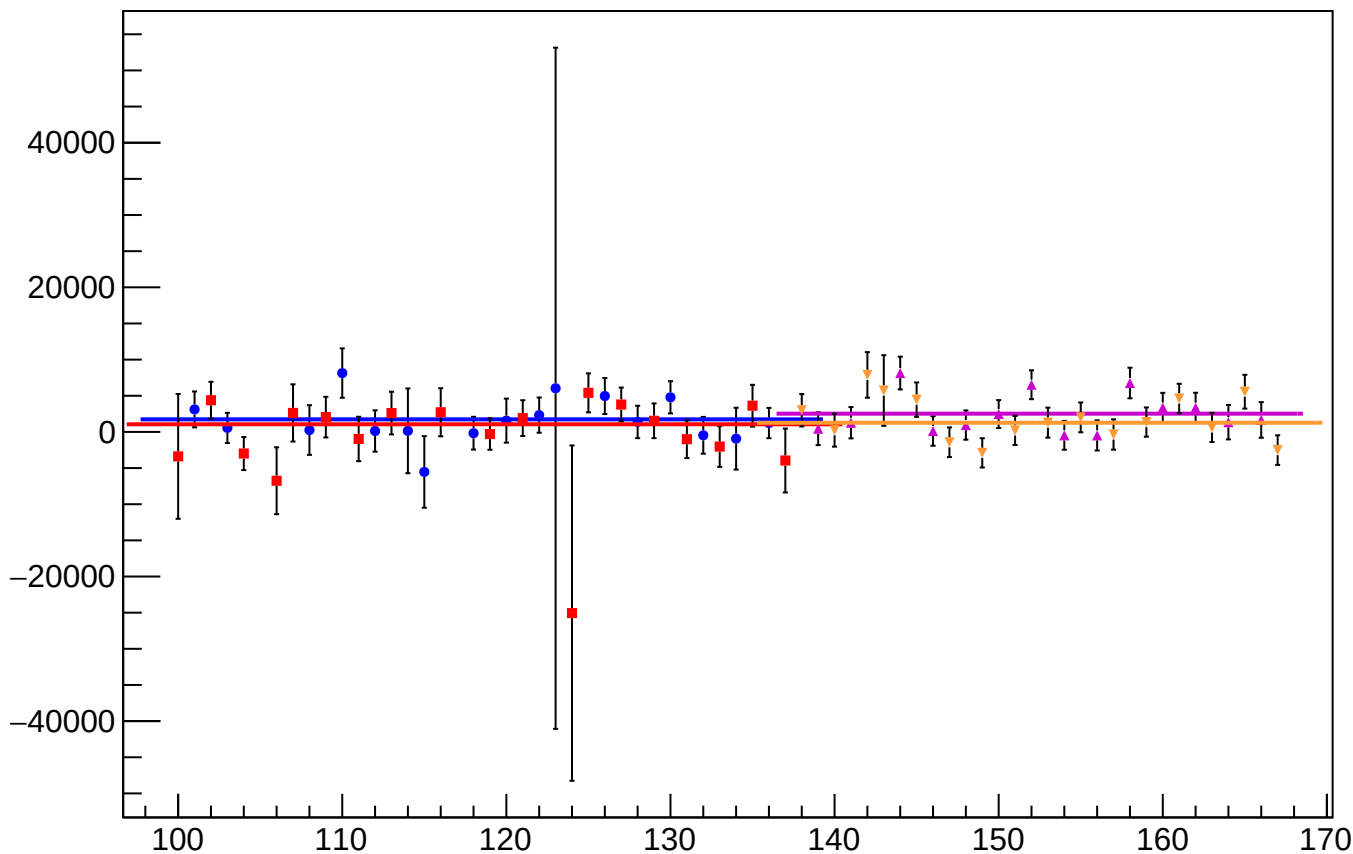
Right: 8263.573+/-1.641 χ^2/NDF : 1736141.9/35

In: 8914.323+/-1.538 χ^2/NDF : 1353962.5/30

Out: 8706.925+/-1.455 χ^2/NDF : 1640581.0/34

All: 8804.835+/-1.057 χ^2/NDF : 3004141.4/65

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: 2524.148+/-565.766 χ^2/NDF : 22.4/13

Left: 1879.783+/-394.839 χ^2/NDF : 49.3/29

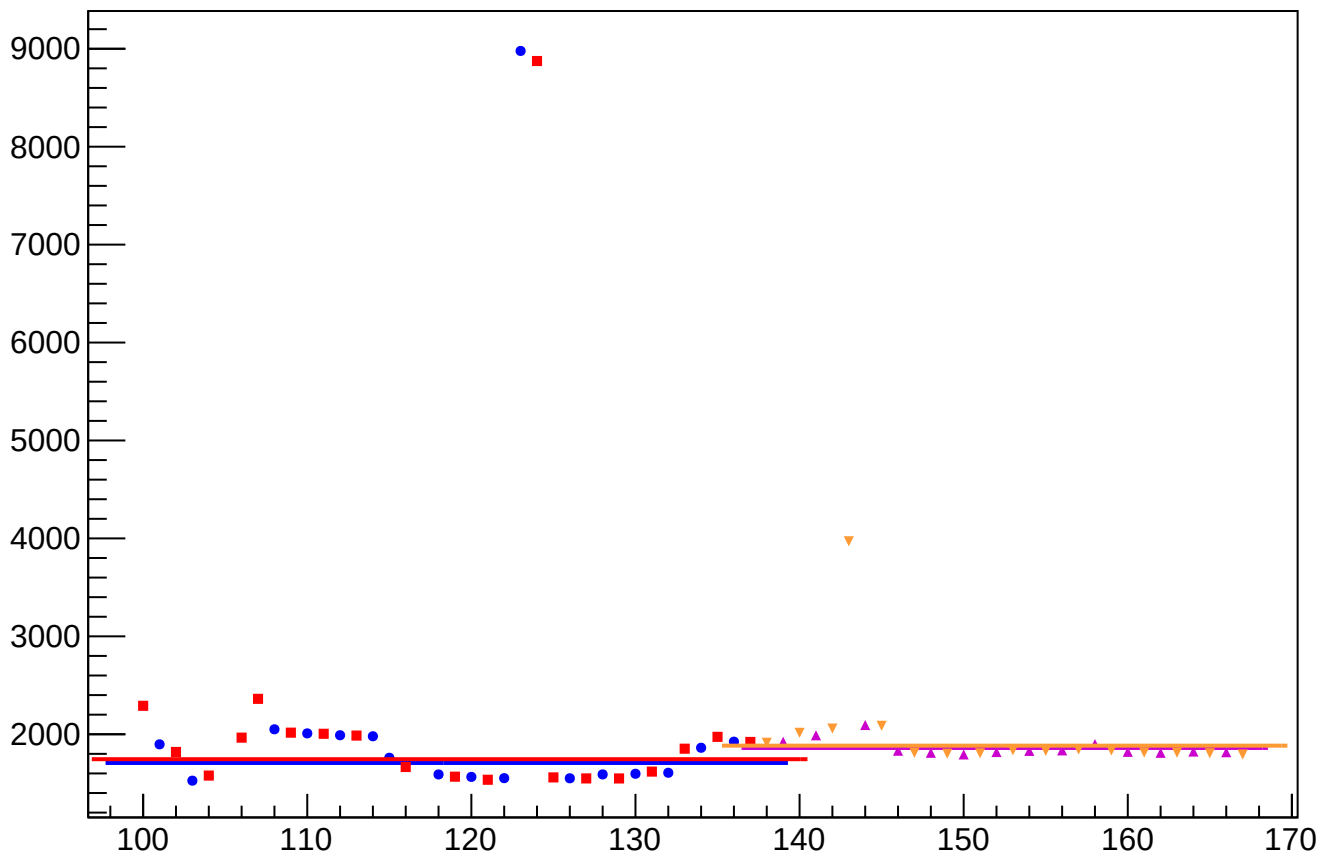
Right: 1397.913+/-474.249 χ^2/NDF : 31.8/35

In: 2197.822+/-432.372 χ^2/NDF : 35.6/30

Out: 1182.382+/-425.957 χ^2/NDF : 43.3/34

All: 1682.513+/-303.440 χ^2/NDF : 81.7/65

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: 1860.129+/-0.400 χ^2/NDF : 39261.7/13

Left: 1872.199+/-0.279 χ^2/NDF : 457502.7/29

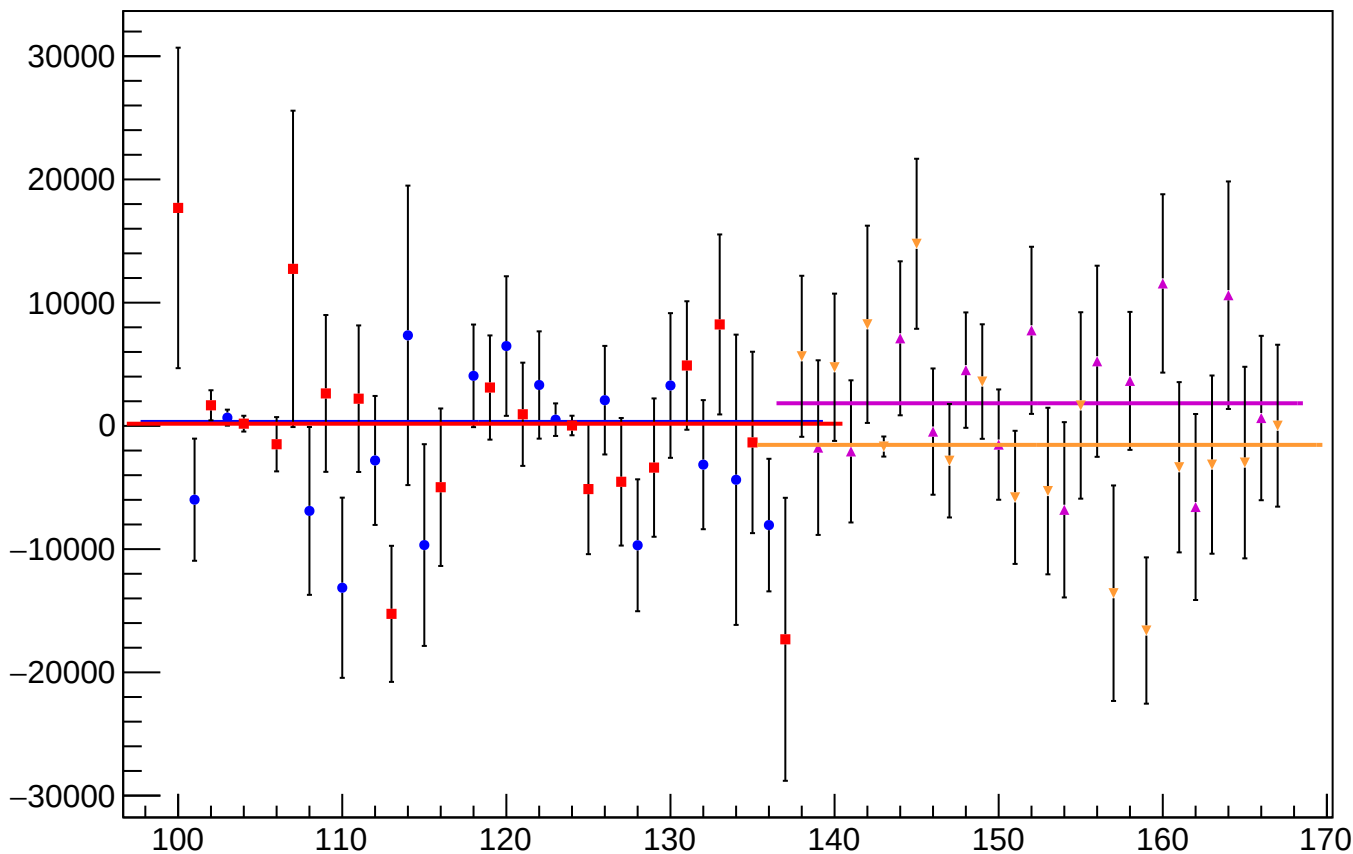
Right: 1726.220+/-0.335 χ^2/NDF : 600688.4/35

In: 1796.378+/-0.306 χ^2/NDF : 297866.1/30

Out: 1827.656+/-0.301 χ^2/NDF : 867218.5/34

All: 1812.279+/-0.214 χ^2/NDF : 1170405.5/65

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 320.899 $\pm$ 540.384 χ^2/NDF : 18.0/16

Left Out: -1539.850 $\pm$ 728.733 χ^2/NDF :20.4/15

Right Out: 176.640 $\pm$ 433.552 χ^2/NDF : 20.8/18

Left In: 1836.393 $\pm$ 1643.731 χ^2/NDF :9.0/13

Left: -985.253 $\pm$ 666.197 χ^2/NDF : 33.0/29

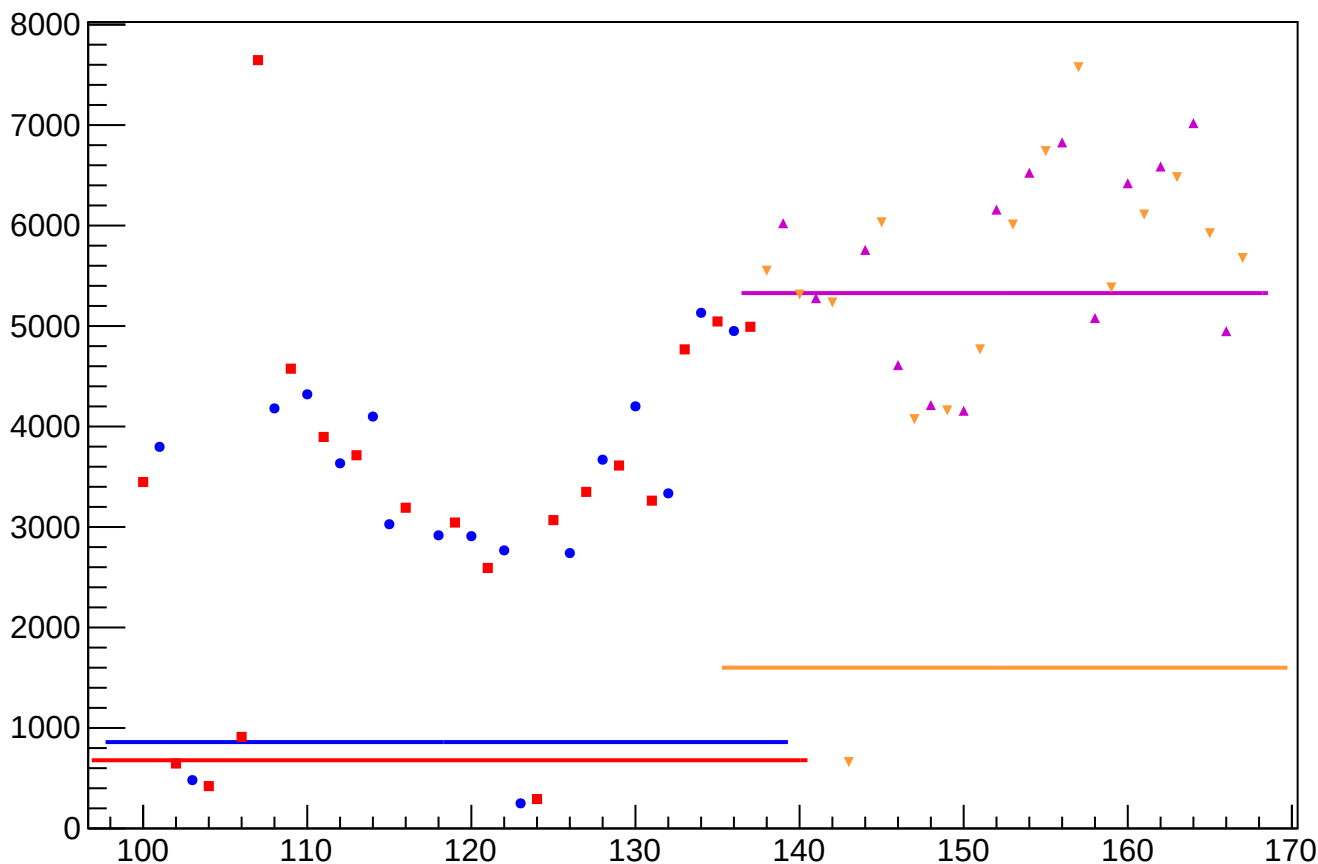
Right: 233.134 $\pm$ 338.167 χ^2/NDF : 38.8/35

In: 468.717 $\pm$ 513.354 χ^2/NDF :27.8/30

Out: -272.088 $\pm$ 372.597 χ^2/NDF :45.2/34

All: -16.485 $\pm$ 301.542 χ^2/NDF : 74.4/65

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 859.557+/-0.382 χ^2/NDF : 8143264.5/16

Left Out: 1600.128+/-0.515 χ^2/NDF : 13947223.0/15

Right Out: 678.603+/-0.307 χ^2/NDF : 8384814.2/18

Left In: 5327.844+/-1.162 χ^2/NDF : 658456.0/13

Left: 2212.460+/-0.471 χ^2/NDF : 23202208.1/29

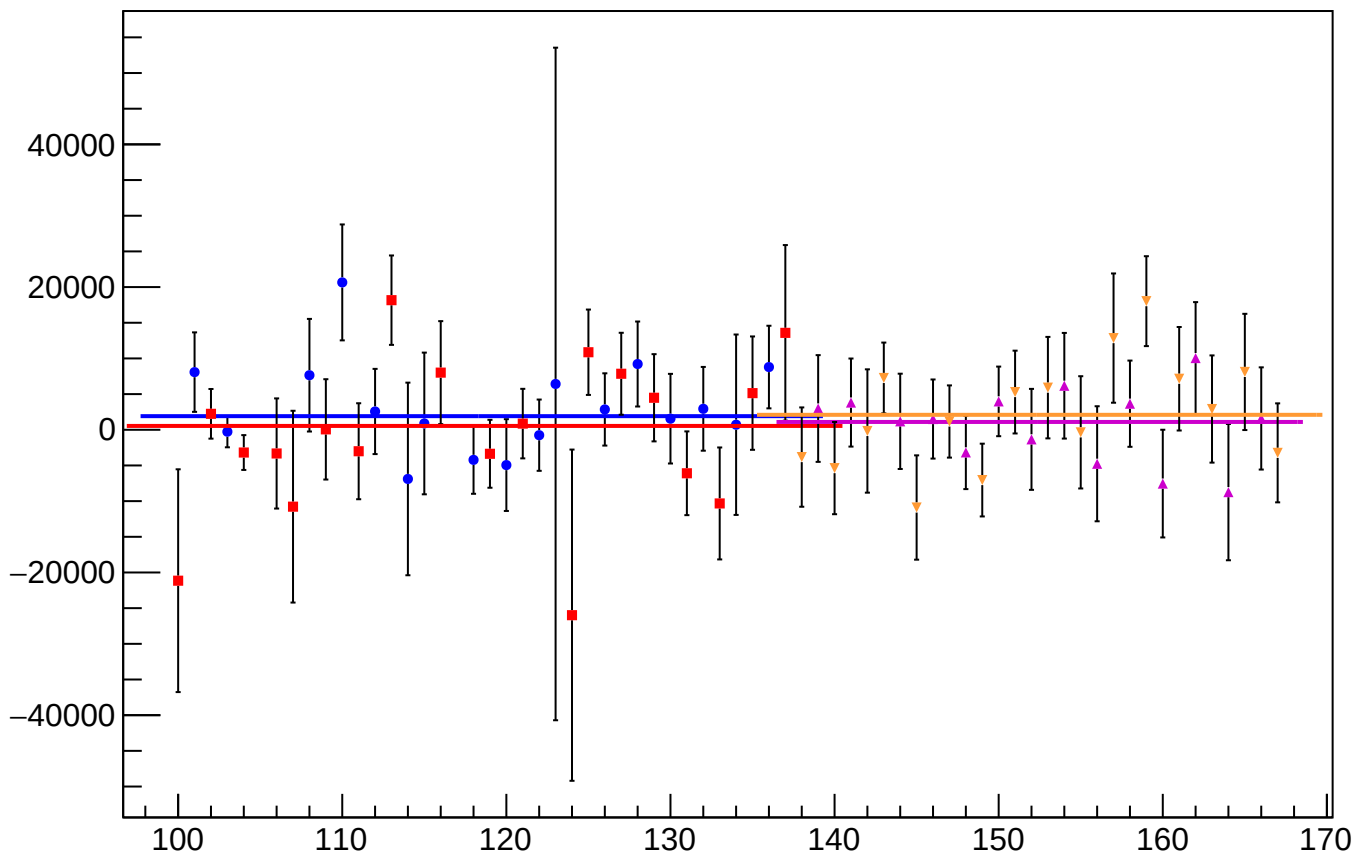
Right: 749.467+/-0.239 χ^2/NDF : 16664518.8/35

In: 1295.383+/-0.363 χ^2/NDF : 22139387.6/30

Out: 919.510+/-0.263 χ^2/NDF : 24694169.4/34

All: 1049.199+/-0.213 χ^2/NDF : 47535817.9/6

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1909.348+/-1310.219 χ^2/NDF : 14.6/16

Left Out: 2096.962+/-1642.924 χ^2/NDF : 19.7/15

Right Out: 539.549+/-1285.817 χ^2/NDF : 26.4/18

Left In: 1096.429+/-1756.398 χ^2/NDF : 6.3/13

Left: 1630.057+/-1199.834 χ^2/NDF : 26.2/29

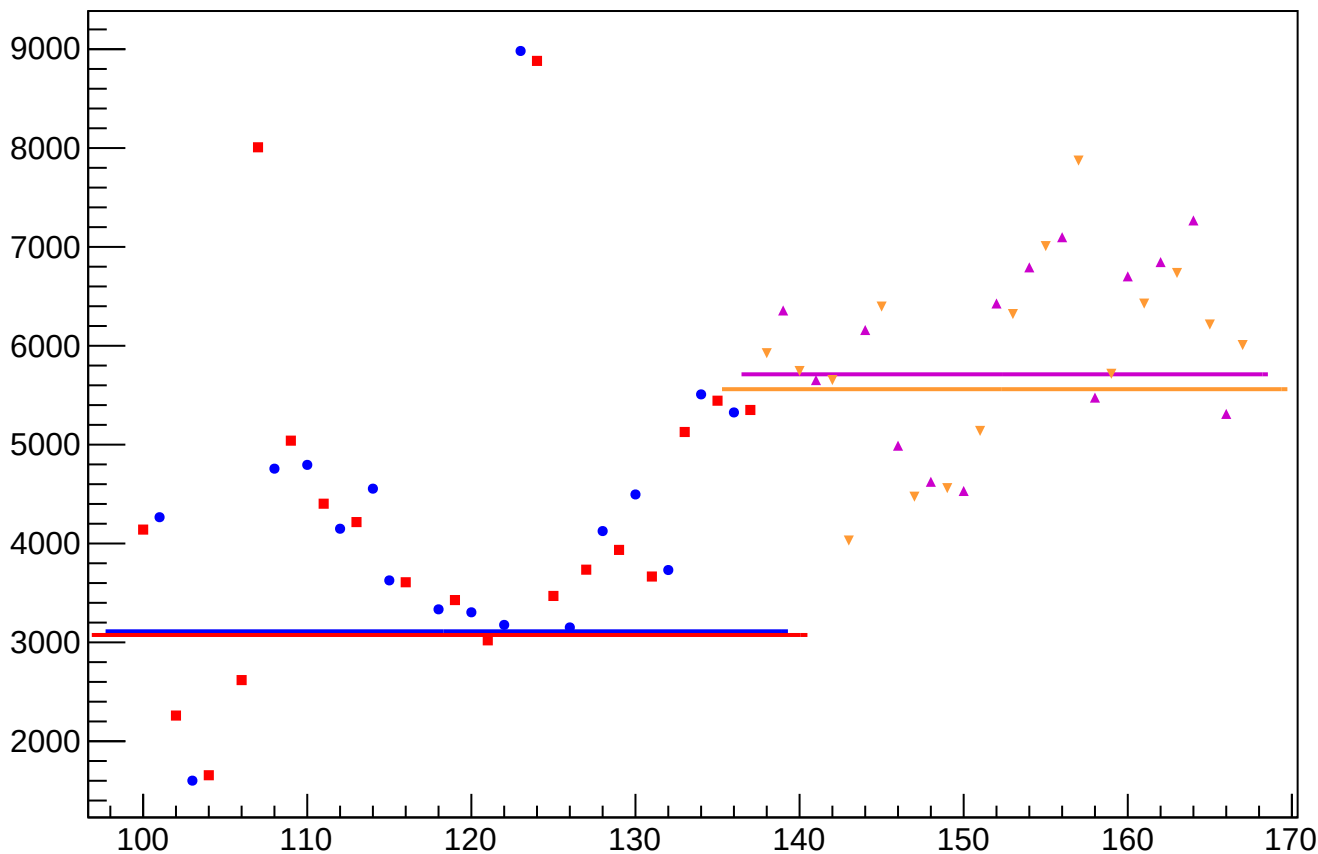
Right: 1211.574+/-917.716 χ^2/NDF : 41.6/35

In: 1618.713+/-1050.204 χ^2/NDF : 21.0/30

Out: 1131.139+/-1012.573 χ^2/NDF : 46.7/34

All: 1366.034+/-728.937 χ^2/NDF : 67.8/65

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5560.887 $\pm$ 1.162 χ^2 /NDF: 724648.5/15

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

Left In: 5711.372 $\pm$ 1.242 χ^2 /NDF: 525490.1/13

Left: 5631.111 $\pm$ 0.848 χ^2 /NDF: 1257968.9/29

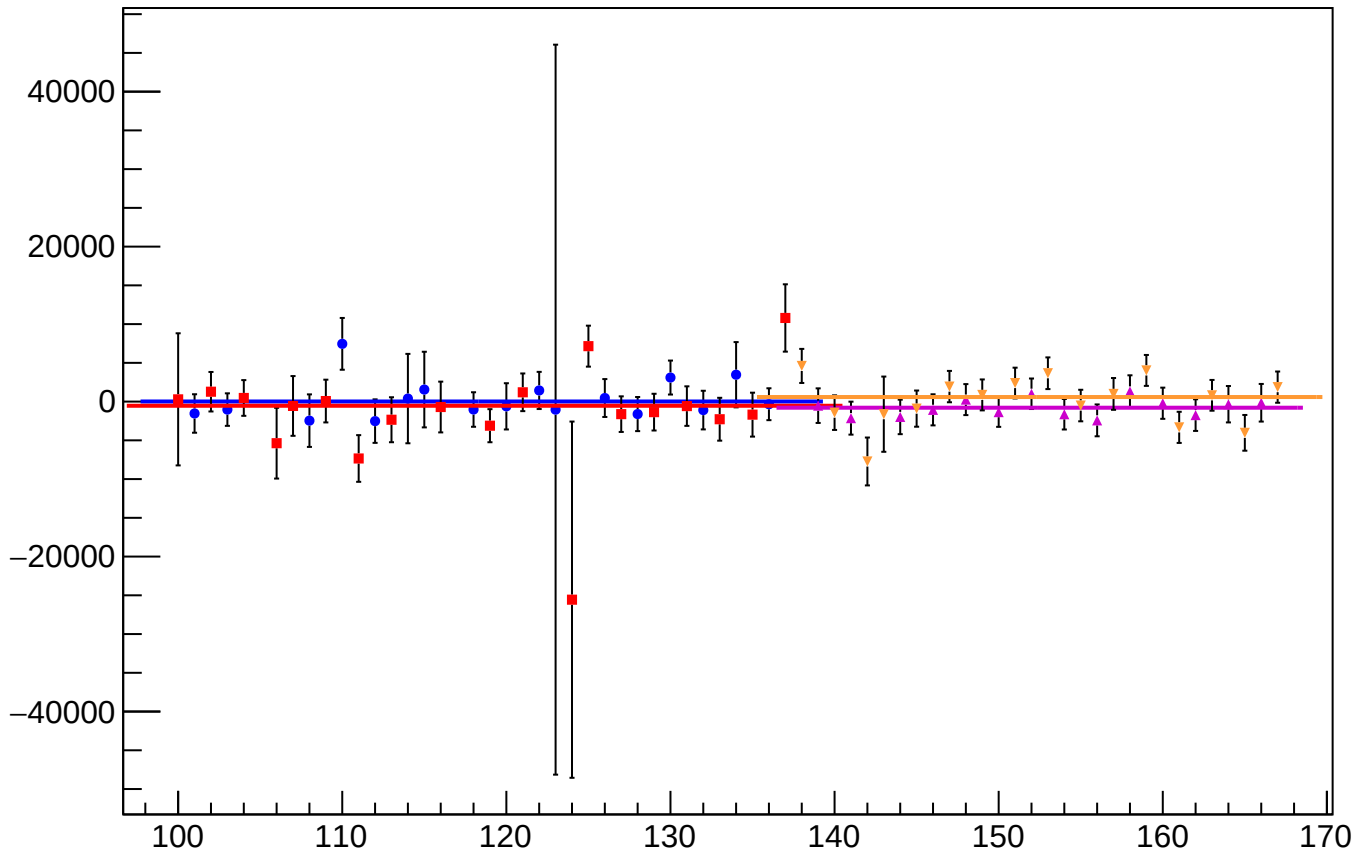
Right: 3092.680 $\pm$ 0.644 χ^2 /NDF: 3886012.7/35

In: 4041.210 $\pm$ 0.743 χ^2 /NDF: 5219801.0/30

Out: 4002.124 $\pm$ 0.710 χ^2 /NDF: 5601694.5/34

All: 4020.777 $\pm$ 0.513 χ^2 /NDF: 10822943.7/68

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118 $\pm$ 661.101 χ^2/NDF : 11.1/16

Left Out: 588.788 $\pm$ 543.010 χ^2/NDF : 27.1/15

Right Out: -537.476 $\pm$ 661.143 χ^2/NDF : 26.7/18

Left In: -789.896 $\pm$ 557.441 χ^2/NDF : 4.1/13

Left: -82.477 $\pm$ 388.968 χ^2/NDF : 34.4/29

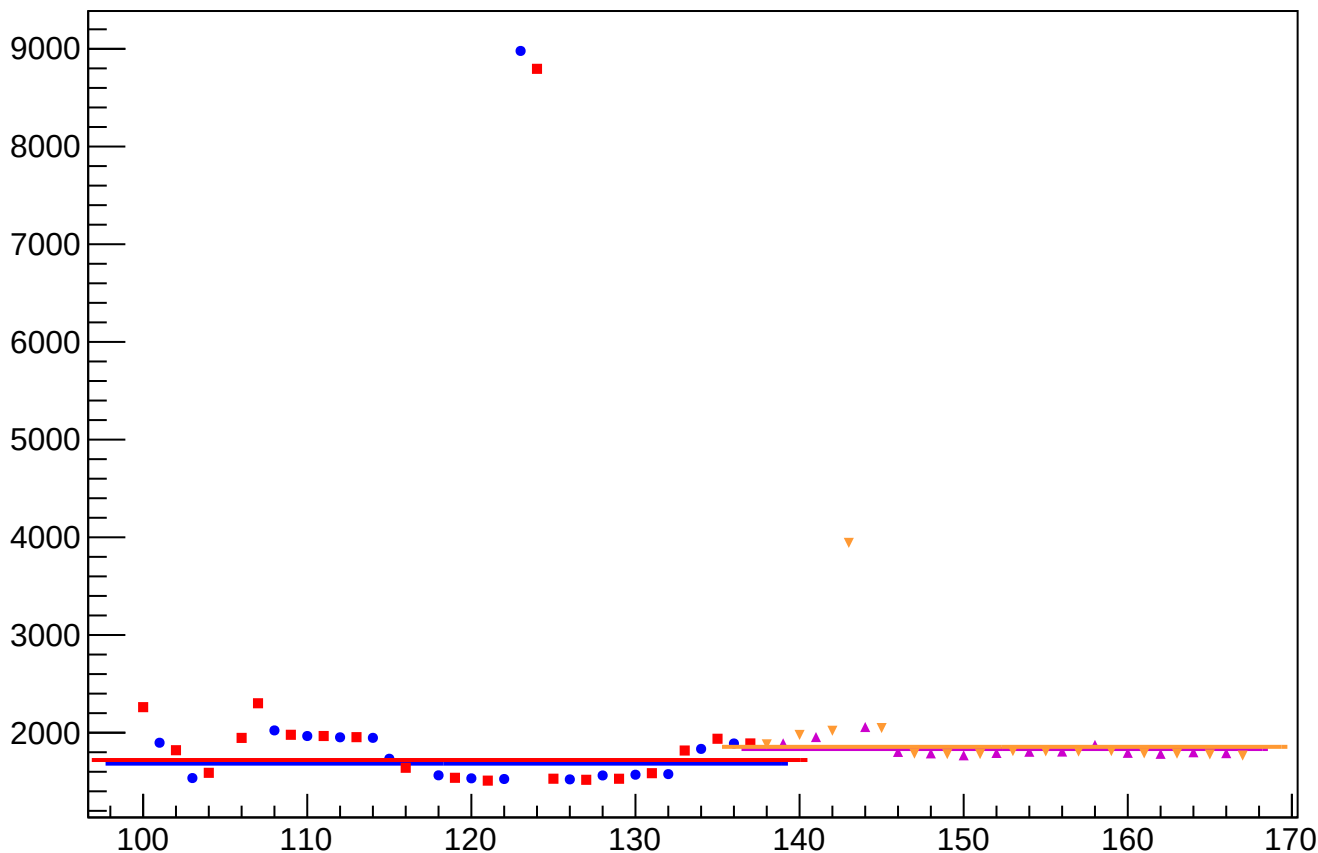
Right: -261.662 $\pm$ 467.484 χ^2/NDF : 38.1/35

In: -455.794 $\pm$ 426.163 χ^2/NDF : 16.1/30

Out: 135.094 $\pm$ 419.620 χ^2/NDF : 55.5/34

All: -155.779 $\pm$ 299.003 χ^2/NDF : 72.6/65

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: 1832.781+/-0.394 χ^2/NDF : 37473.3/13

Left: 1844.330+/-0.275 χ^2/NDF : 457767.3/29

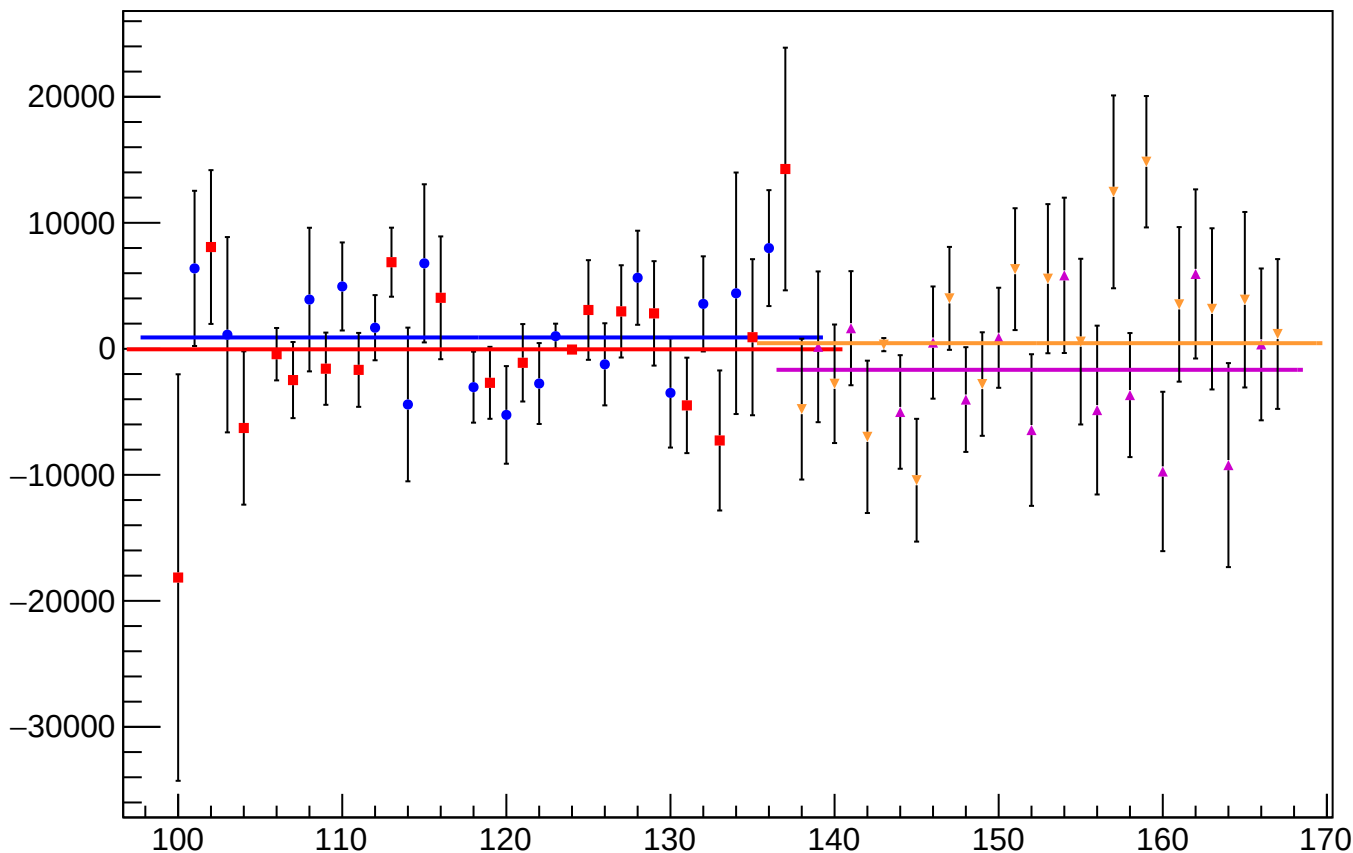
Right: 1701.898+/-0.330 χ^2/NDF : 595159.7/35

In: 1770.648+/-0.301 χ^2/NDF : 293161.2/30

Out: 1800.661+/-0.296 χ^2/NDF : 864708.7/34

All: 1785.913+/-0.211 χ^2/NDF : 1162915.1/65

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: -1665.167 $\pm$ 1406.830 χ^2/NDF : 8.5/13

Left: 219.893 $\pm$ 462.115 χ^2/NDF : 32.8/29

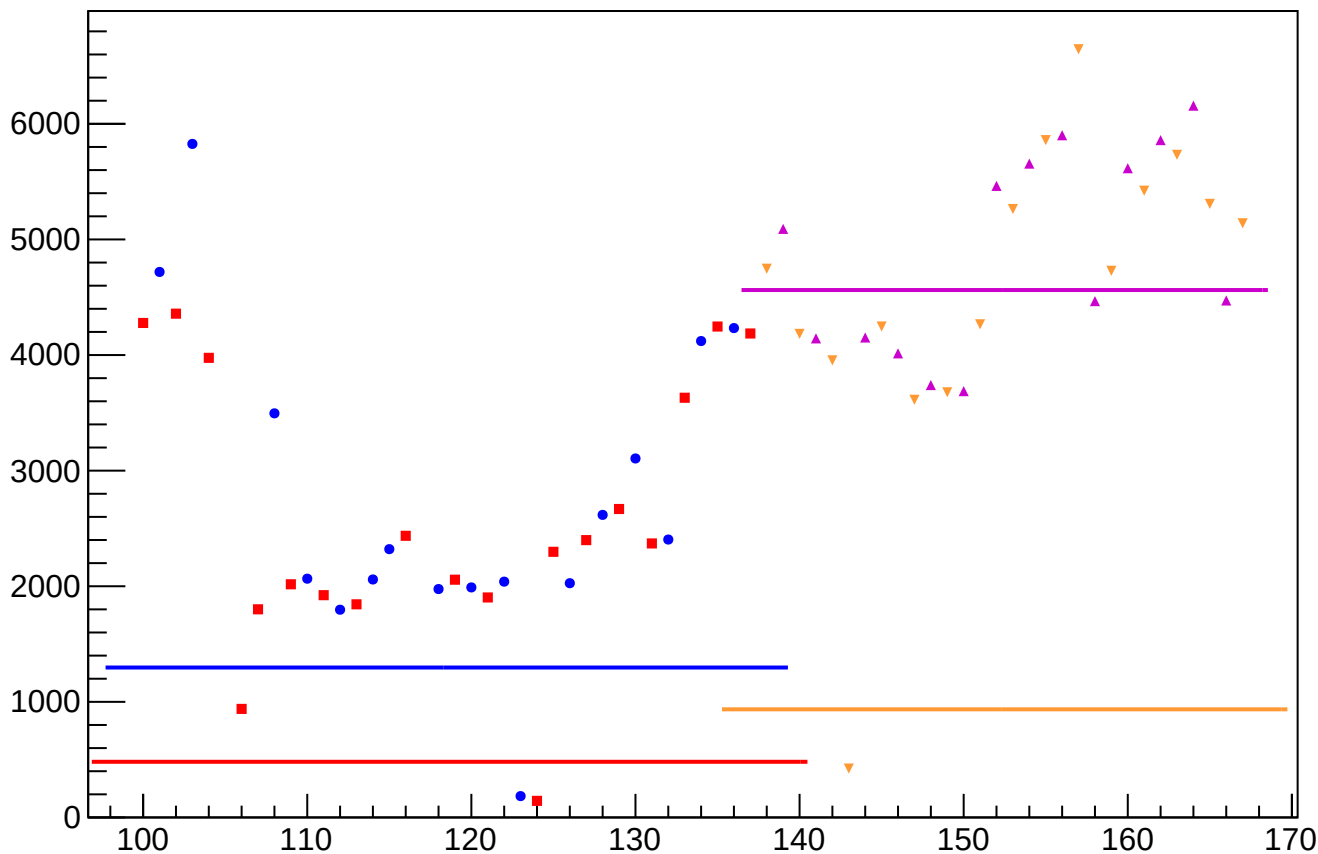
Right: 153.912 $\pm$ 318.670 χ^2/NDF : 37.9/35

In: 387.130 $\pm$ 630.690 χ^2/NDF : 27.2/30

Out: 130.831 $\pm$ 288.483 χ^2/NDF : 43.4/34

All: 175.176 $\pm$ 262.341 χ^2/NDF : 70.8/65

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: 4562.367 $\pm$ 0.995 χ^2 /NDF: 651585.9/13

Left: 1326.726 $\pm$ 0.327 χ^2 /NDF: 28788417.3/29

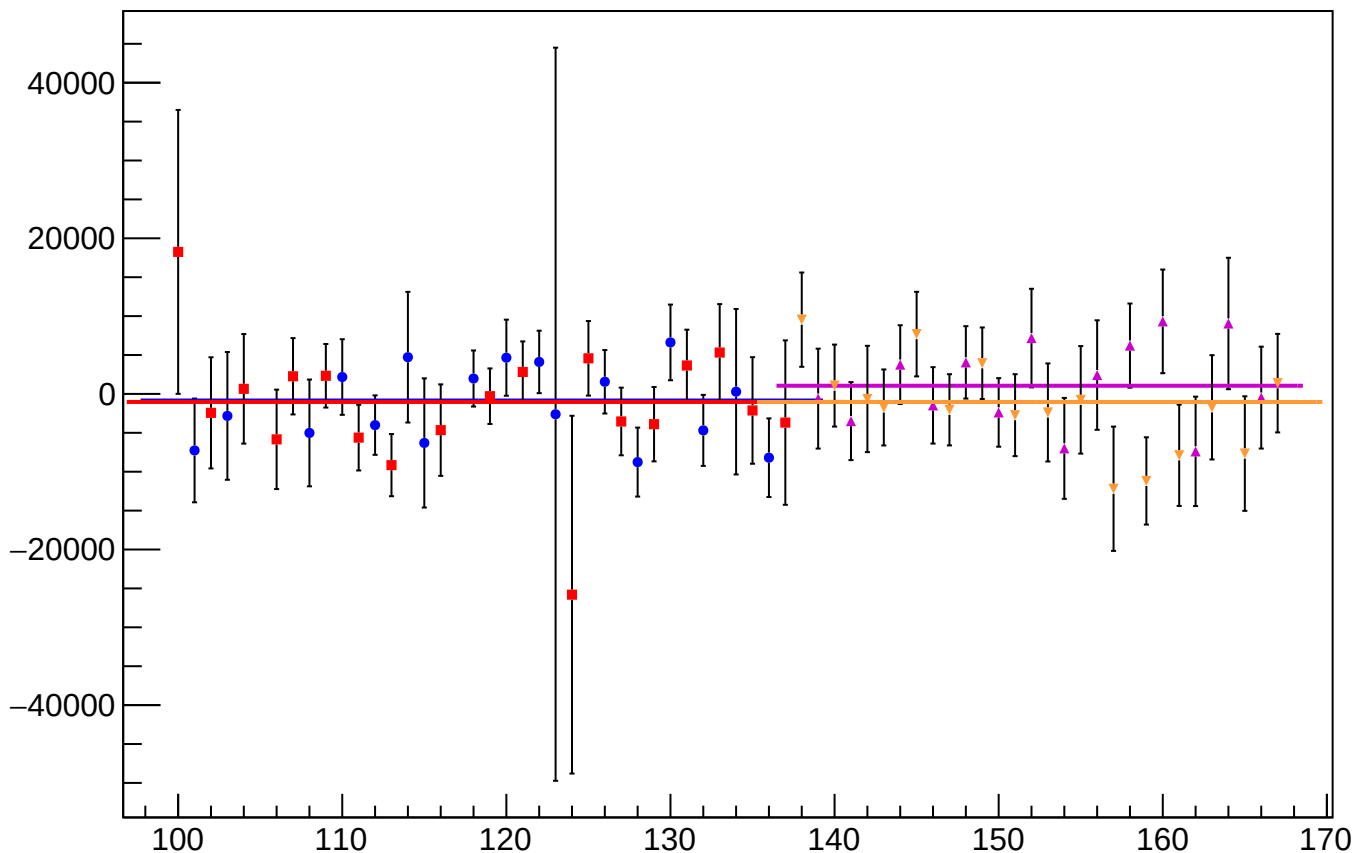
Right: 647.917 $\pm$ 0.225 χ^2 /NDF: 18780181.6/35

In: 1953.270 $\pm$ 0.446 χ^2 /NDF: 15770501.3/30

Out: 639.345 $\pm$ 0.204 χ^2 /NDF: 27544264.4/34

All: 866.684 $\pm$ 0.186 χ^2 /NDF: 50493259.0/65

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -849.372+/-1261.026 χ^2/NDF : 15.4/16

Left Out: -1036.908+/-1451.984 χ^2/NDF : 14.5/15

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

Left In: 1050.286+/-1533.229 χ^2/NDF : 9.8/13

Left: -50.074+/-1054.260 χ^2/NDF : 25.3/29

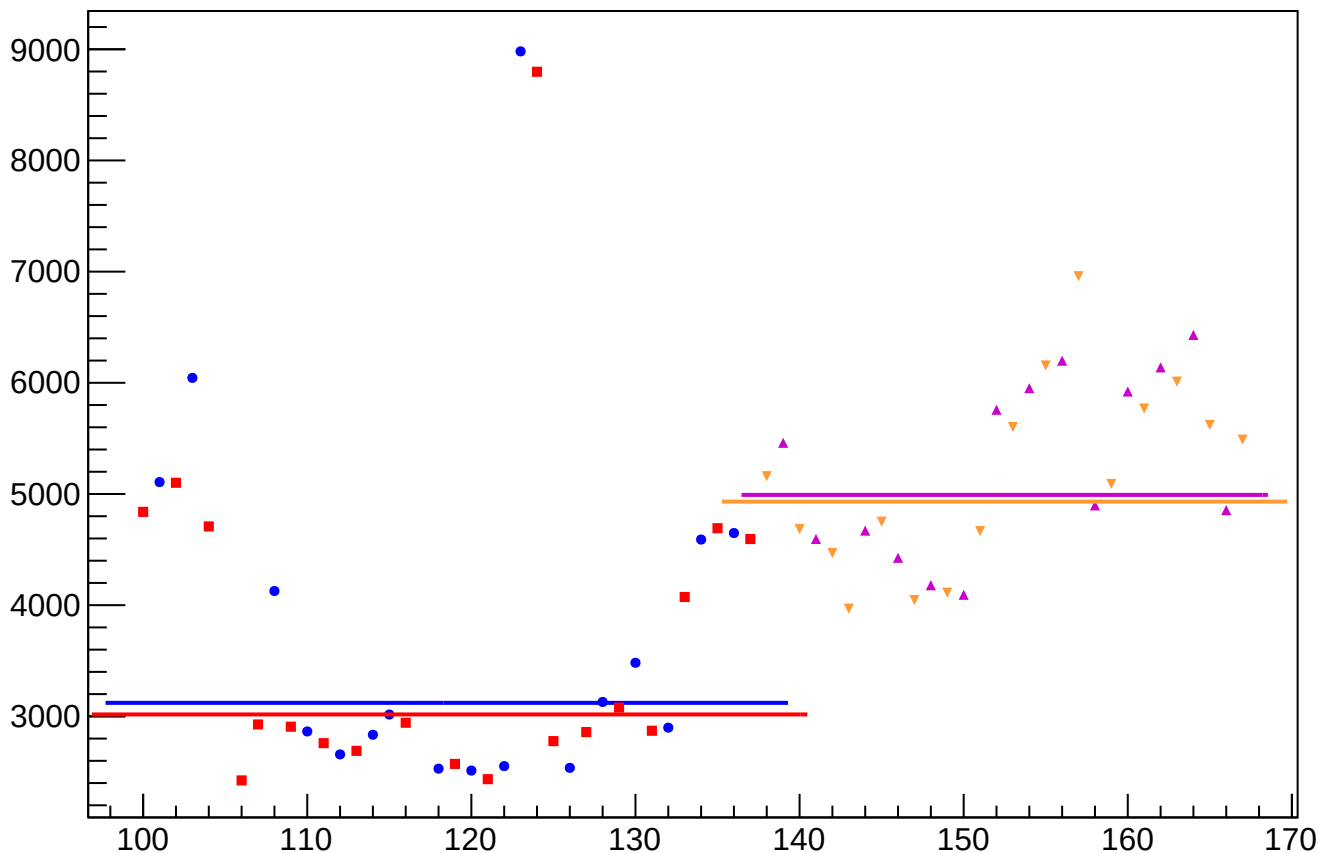
Right: -946.556+/-865.752 χ^2/NDF : 30.4/35

In: -82.859+/-973.933 χ^2/NDF : 26.2/30

Out: -1034.694+/-920.714 χ^2/NDF : 29.5/34

All: -585.492+/-669.066 χ^2/NDF : 56.1/65

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3121.417 $\pm$ 0.892 χ^2/NDF : 945708.1/16

Left Out: 4931.492 $\pm$ 1.027 χ^2/NDF : 573840.1/15

Right Out: 3017.215 $\pm$ 0.831 χ^2/NDF : 791997.9/18

Left In: 4991.835 $\pm$ 1.084 χ^2/NDF : 485428.0/13

Left: 4960.023 $\pm$ 0.745 χ^2/NDF : 1060901.3/29

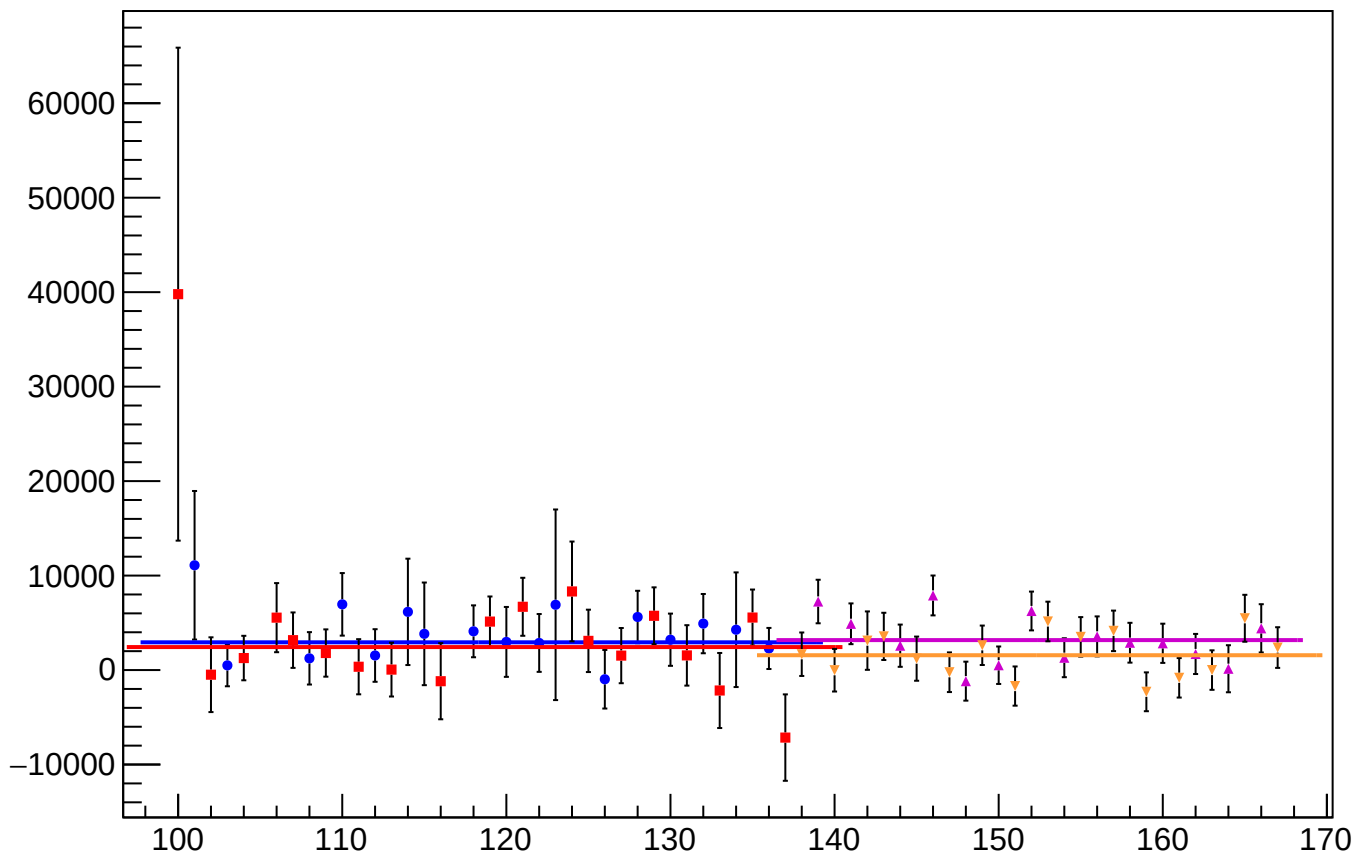
Right: 3065.680 $\pm$ 0.608 χ^2/NDF : 1745010.6/35

In: 3876.127 $\pm$ 0.689 χ^2/NDF : 3206573.2/30

Out: 3775.432 $\pm$ 0.646 χ^2/NDF : 3465220.0/34

All: 3822.576 $\pm$ 0.471 χ^2/NDF : 6683162.9/65

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: 3170.727+/-576.644 χ^2/NDF : 20.5/13

Left: 2336.849+/-399.178 χ^2/NDF : 42.6/29

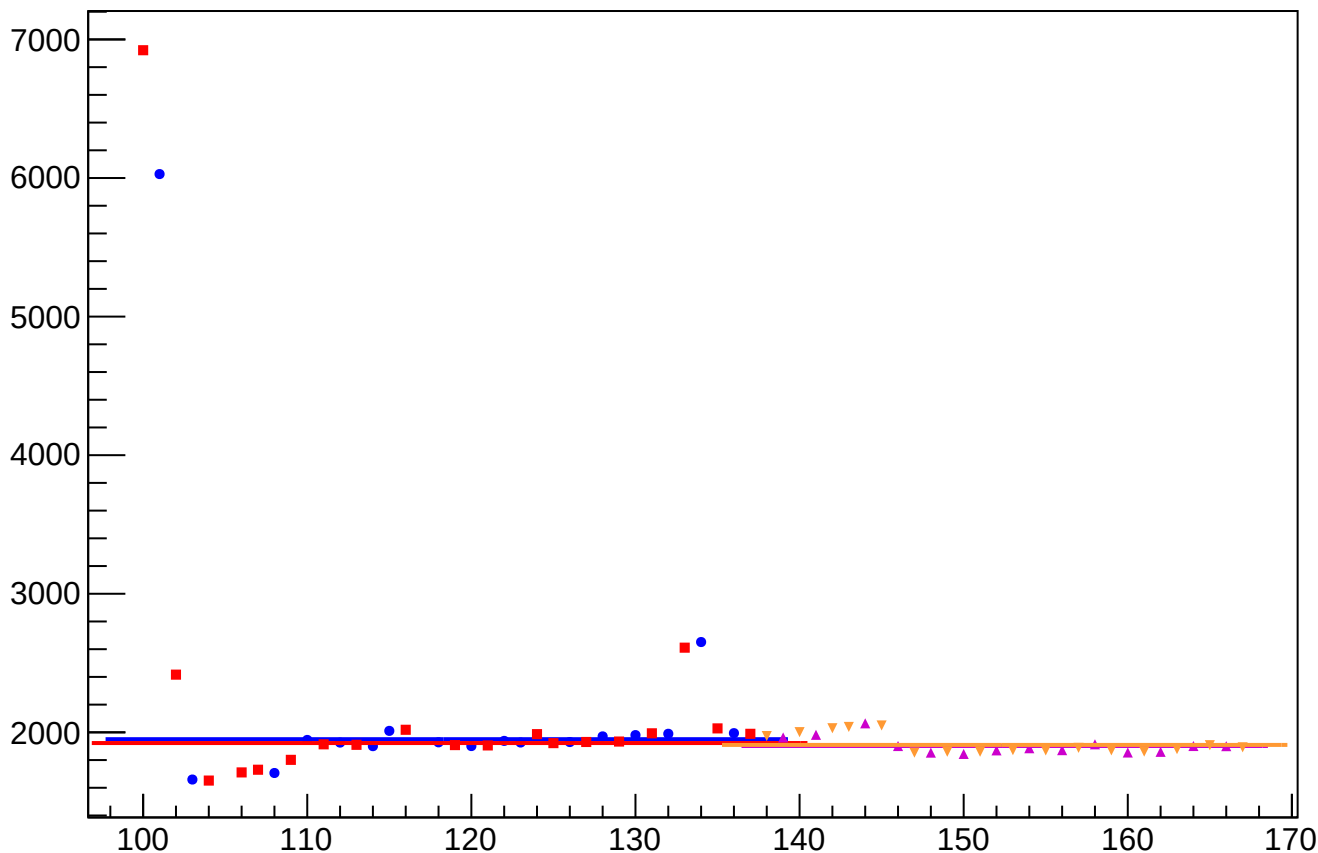
Right: 2672.699+/-535.482 χ^2/NDF : 26.5/35

In: 3087.073+/-462.709 χ^2/NDF : 28.7/30

Out: 1878.760+/-443.133 χ^2/NDF : 37.2/34

All: 2456.816+/-320.039 χ^2/NDF : 69.4/65

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.615+/-0.548 χ^2/NDF : 617332.2/16

Left Out: 1909.251+/-0.391 χ^2/NDF : 28114.8/15

Right Out: 1922.752+/-0.522 χ^2/NDF : 217400.0/18

Left In: 1901.590+/-0.408 χ^2/NDF : 20541.6/13

Left: 1905.580+/-0.282 χ^2/NDF : 48840.3/29

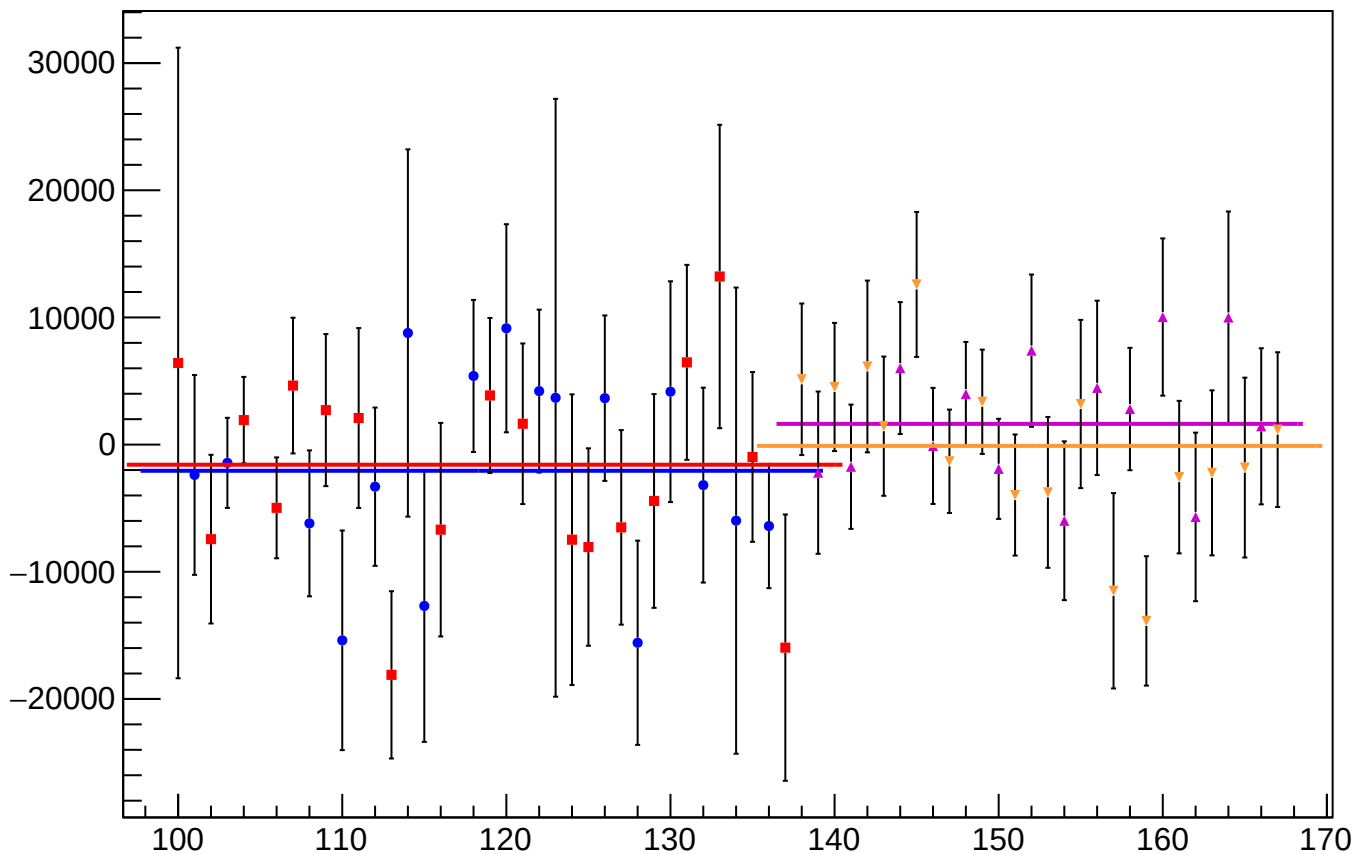
Right: 1936.009+/-0.378 χ^2/NDF : 836086.0/35

In: 1919.049+/-0.327 χ^2/NDF : 643021.9/30

Out: 1914.101+/-0.313 χ^2/NDF : 245942.9/34

All: 1916.466+/-0.226 χ^2/NDF : 889084.1/65

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: 1631.546 $\pm$ 1438.191 χ^2 /NDF:9.5/13

Left: 731.042 $\pm$ 996.703 χ^2 /NDF: 29.8/29

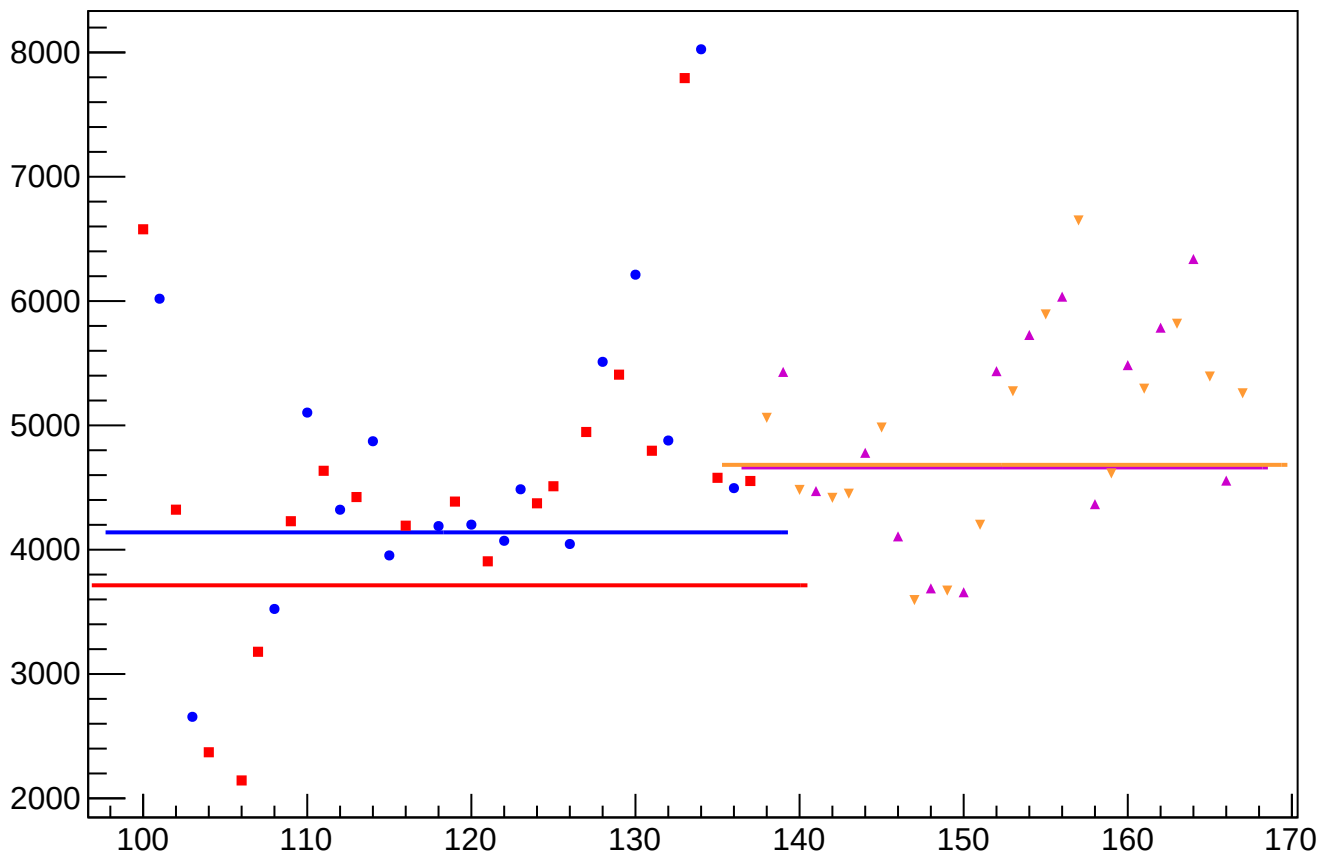
Right: -1791.026 $\pm$ 1103.932 χ^2 /NDF: 32.6/35

In: 51.228 $\pm$ 1087.282 χ^2 /NDF:26.3/30

Out: -791.913 $\pm$ 1009.482 χ^2 /NDF:38.6/34

All: -401.584 $\pm$ 739.788 χ^2 /NDF: 65.3/65

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: 4661.661+/-1.017 χ^2/NDF : 659249.5/13

Left: 4672.504+/-0.705 χ^2/NDF : 1306864.9/29

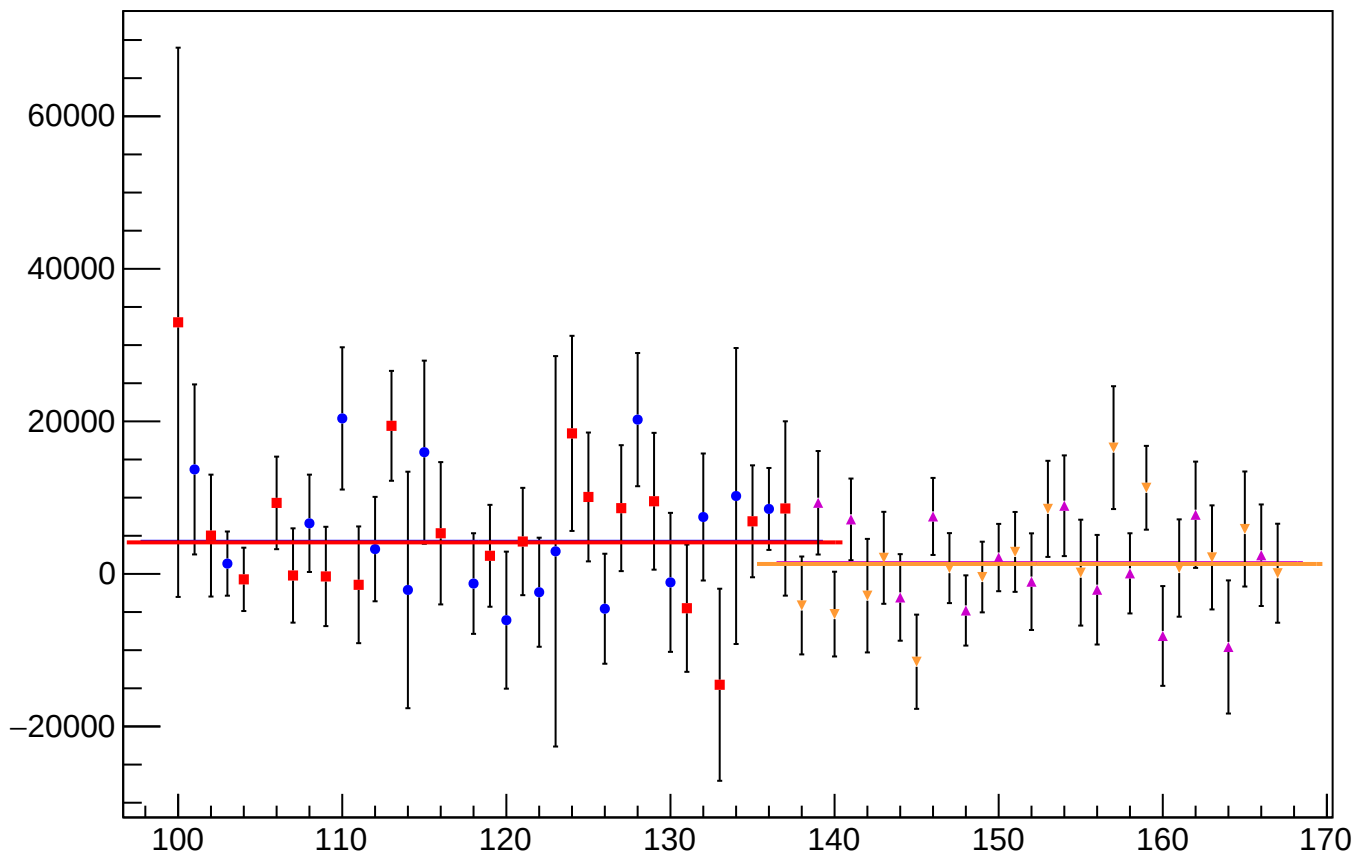
Right: 3901.622+/-0.781 χ^2/NDF : 2162777.5/35

In: 4437.894+/-0.769 χ^2/NDF : 1585802.3/30

Out: 4230.126+/-0.714 χ^2/NDF : 2381904.5/34

All: 4326.311+/-0.523 χ^2/NDF : 4006927.7/65

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: 1412.598+/-1564.744 χ^2/NDF : 12.8/13

Left: 1355.921+/-1085.149 χ^2/NDF : 28.4/29

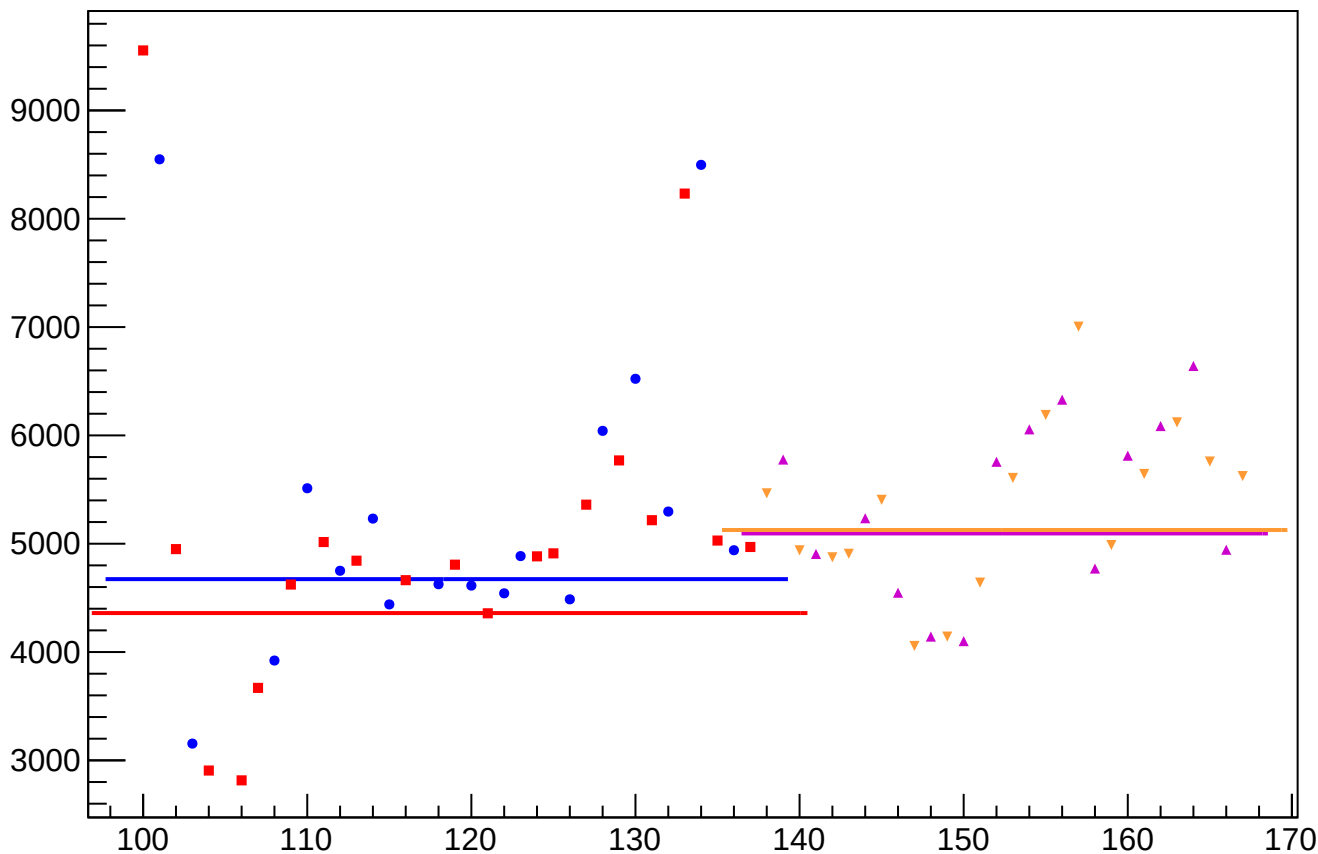
Right: 4169.584+/-1268.468 χ^2/NDF : 29.2/35

In: 2564.448+/-1200.388 χ^2/NDF : 28.5/30

Out: 2527.478+/-1134.660 χ^2/NDF : 32.0/34

All: 2544.923+/-824.583 χ^2/NDF : 60.5/65

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: 5094.869 $\pm$ 1.106 χ^2 /NDF: 493604.0/13

Left: 5111.281 $\pm$ 0.767 χ^2 /NDF: 976890.2/29

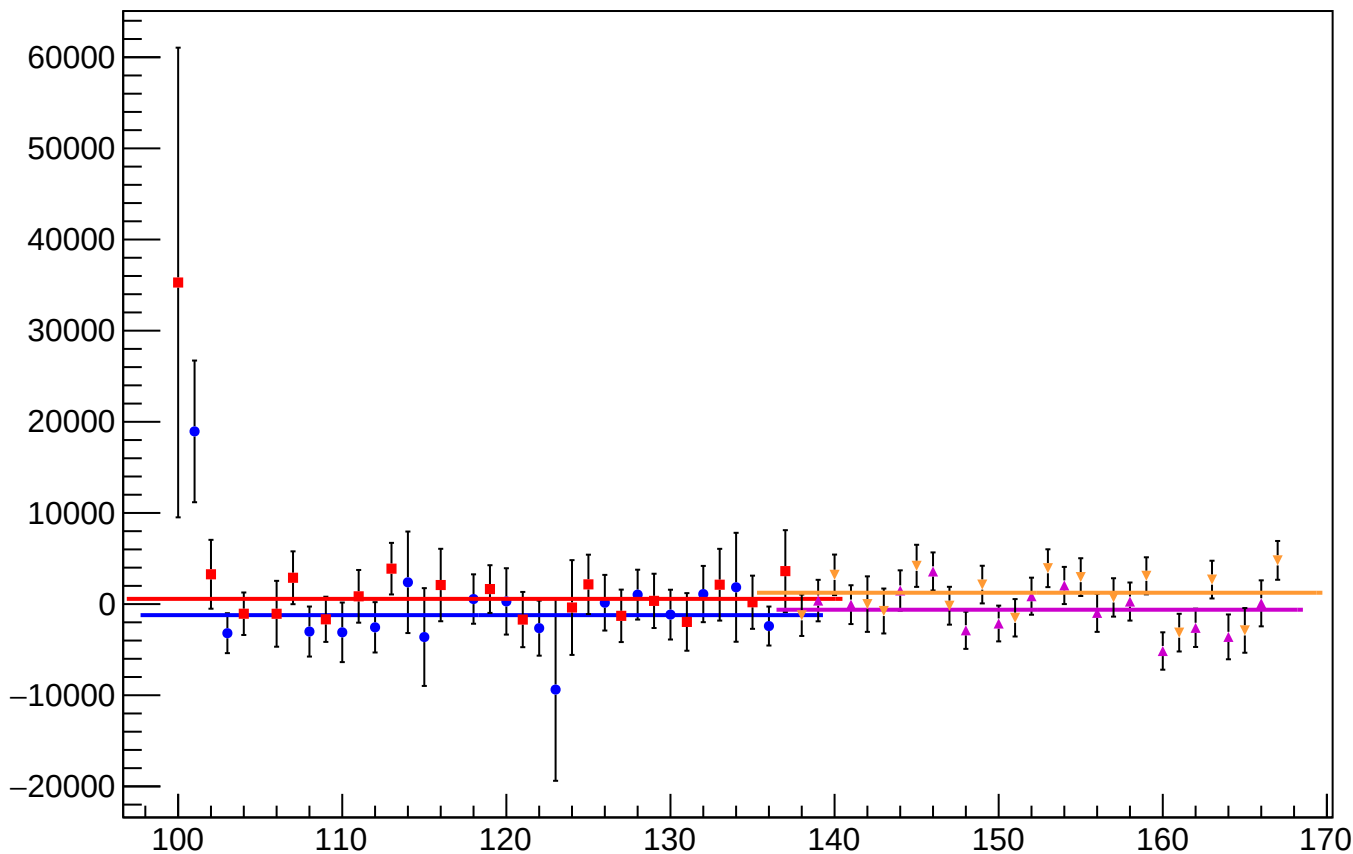
Right: 4502.849 $\pm$ 0.894 χ^2 /NDF: 1639958.3/35

In: 4921.295 $\pm$ 0.849 χ^2 /NDF: 1330733.3/30

Out: 4792.732 $\pm$ 0.800 χ^2 /NDF: 1540631.2/34

All: 4853.236 $\pm$ 0.582 χ^2 /NDF: 2883509.1/65

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1211.176 +/- 765.294 χ^2/NDF : 12.7/16

Left Out: 1246.092 +/- 546.656 χ^2/NDF : 20.7/15

Right Out: 573.457 +/- 730.668 χ^2/NDF : 8.7/18

Left In: -617.896 +/- 570.236 χ^2/NDF : 16.8/13

Left: 353.434 +/- 394.617 χ^2/NDF : 43.1/29

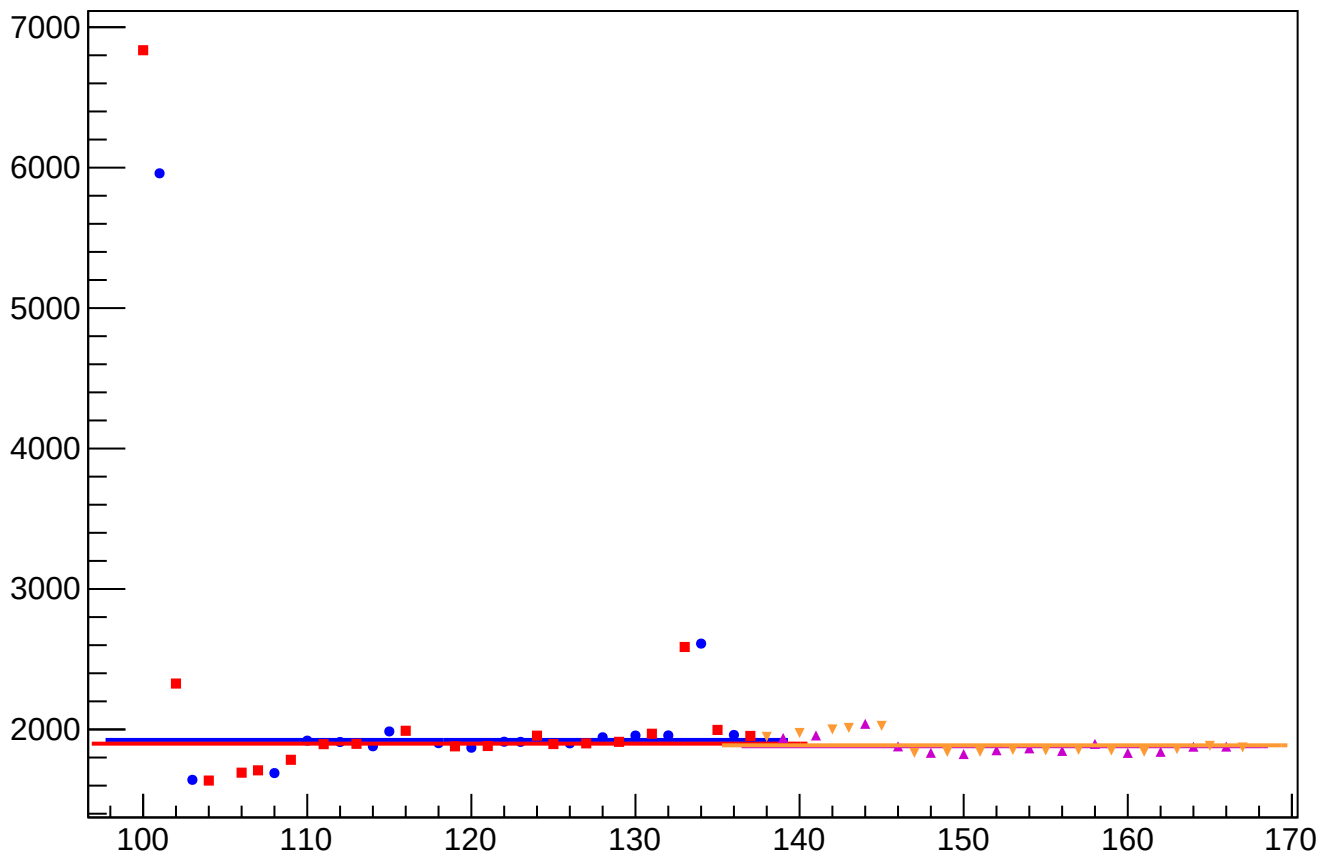
Right: -277.573 +/- 528.478 χ^2/NDF : 24.2/35

In: -829.695 +/- 457.258 χ^2/NDF : 29.9/30

Out: 1004.705 +/- 437.711 χ^2/NDF : 30.0/34

All: 127.550 +/- 316.193 χ^2/NDF : 68.2/65

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: 1880.487+/-0.403 χ^2/NDF : 19981.2/13

Left: 1883.868+/-0.279 χ^2/NDF : 46697.6/29

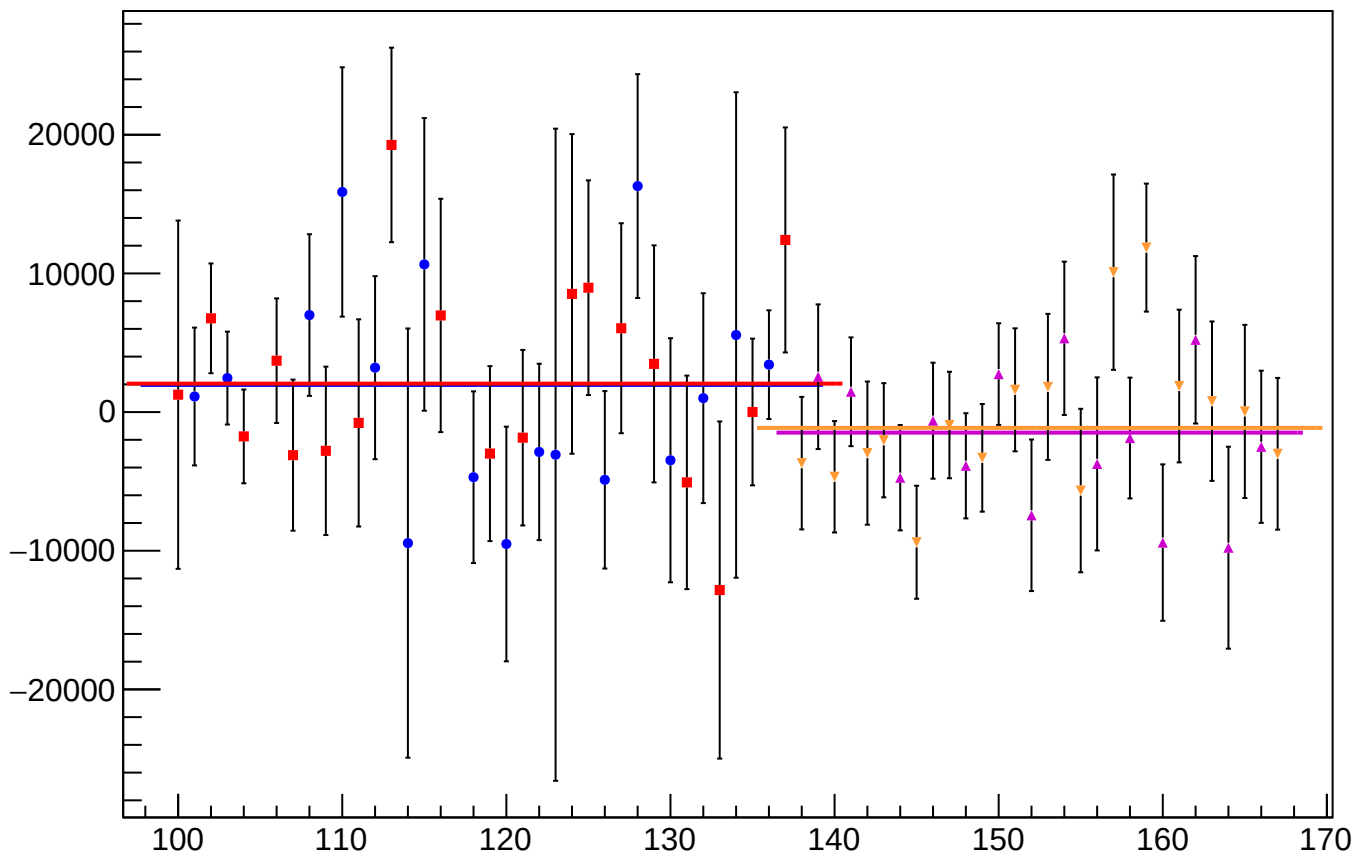
Right: 1911.445+/-0.373 χ^2/NDF : 827992.7/35

In: 1896.493+/-0.323 χ^2/NDF : 640258.3/30

Out: 1891.251+/-0.309 χ^2/NDF : 237796.5/34

All: 1893.755+/-0.223 χ^2/NDF : 878192.0/65

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1959.060 $\pm$ 1556.840 χ^2 /NDF: 12.9/16

Left Out: -1137.622 $\pm$ 1193.722 χ^2 /NDF:18.0/15

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

Left In: -1482.008 $\pm$ 1262.339 χ^2 /NDF:11.0/13

Left: -1300.201 $\pm$ 867.332 χ^2 /NDF: 29.0/29

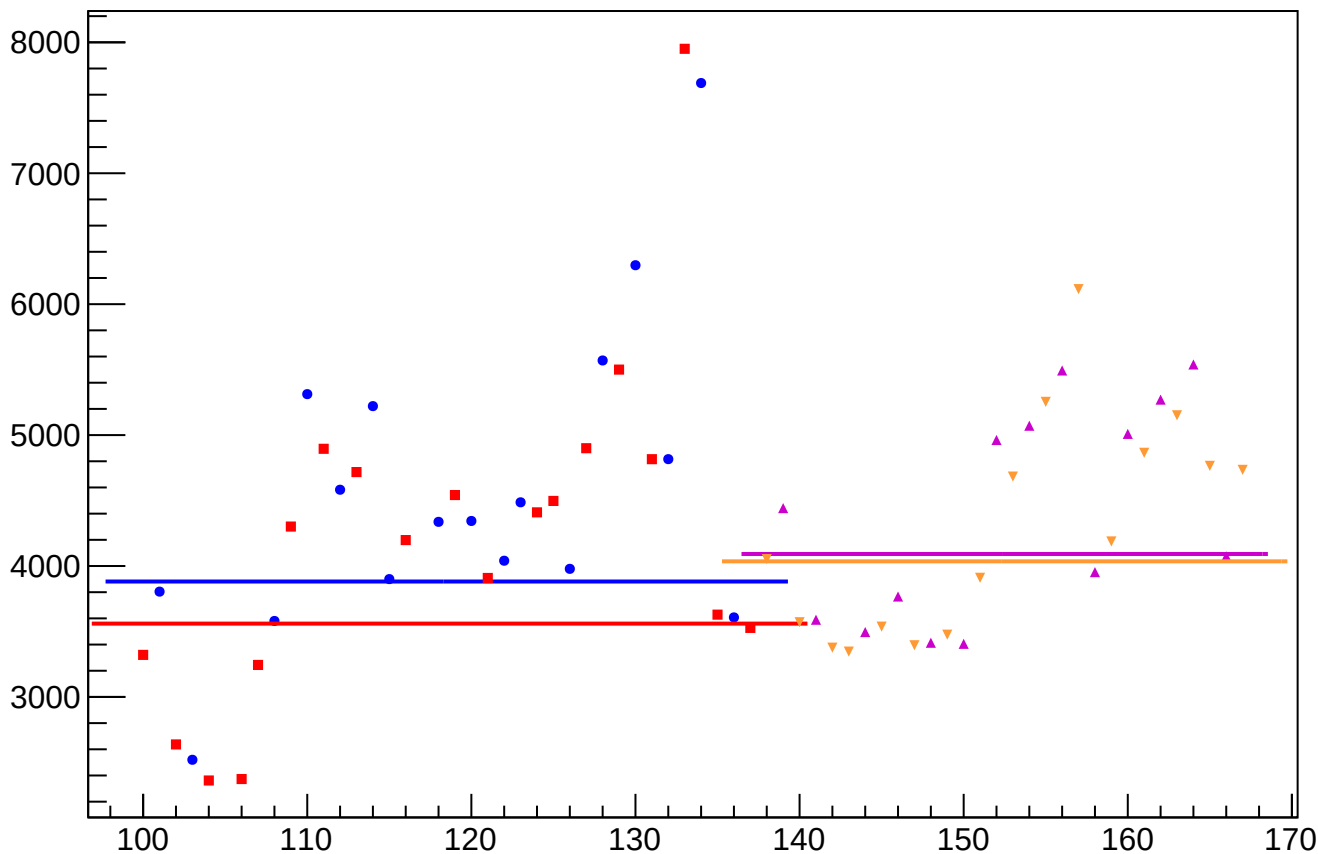
Right: 2010.461 $\pm$ 1046.568 χ^2 /NDF: 30.4/35

In: -117.060 $\pm$ 980.518 χ^2 /NDF:26.9/30

Out: 190.410 $\pm$ 912.046 χ^2 /NDF:38.4/34

All: 47.784 $\pm$ 667.809 χ^2 /NDF: 65.4/65

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: 4091.907+/-0.893 χ^2/NDF : 661741.1/13

Left: 4062.235+/-0.613 χ^2/NDF : 1380847.8/29

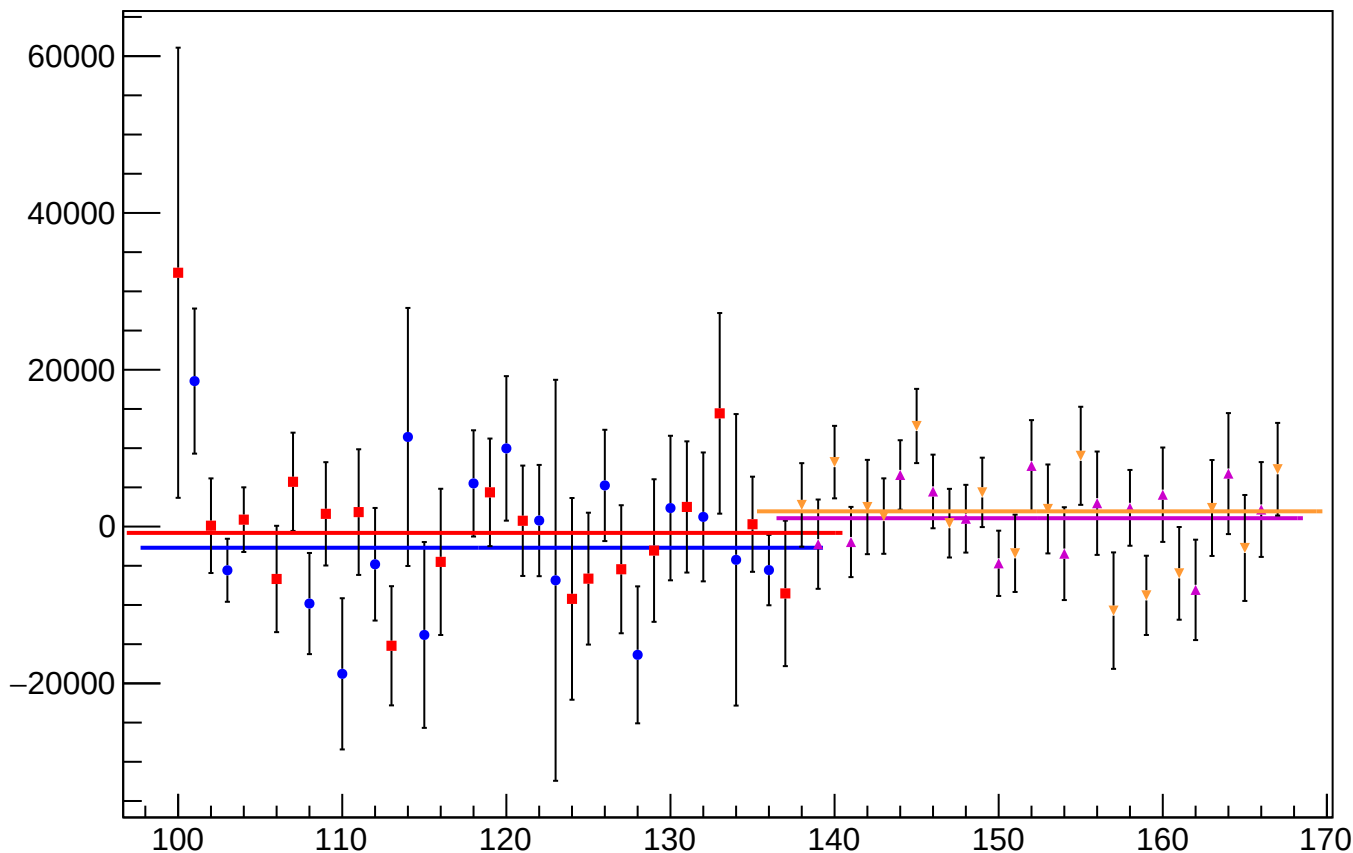
Right: 3705.352+/-0.740 χ^2/NDF : 2105744.2/35

In: 4008.477+/-0.693 χ^2/NDF : 1501231.9/30

Out: 3837.713+/-0.645 χ^2/NDF : 2090711.5/34

All: 3916.925+/-0.472 χ^2/NDF : 3624465.9/65

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: 1066.439 $\pm$ 1402.827 χ^2 /NDF: 9.7/13

Left: 1526.728 $\pm$ 966.853 χ^2 /NDF: 30.5/29

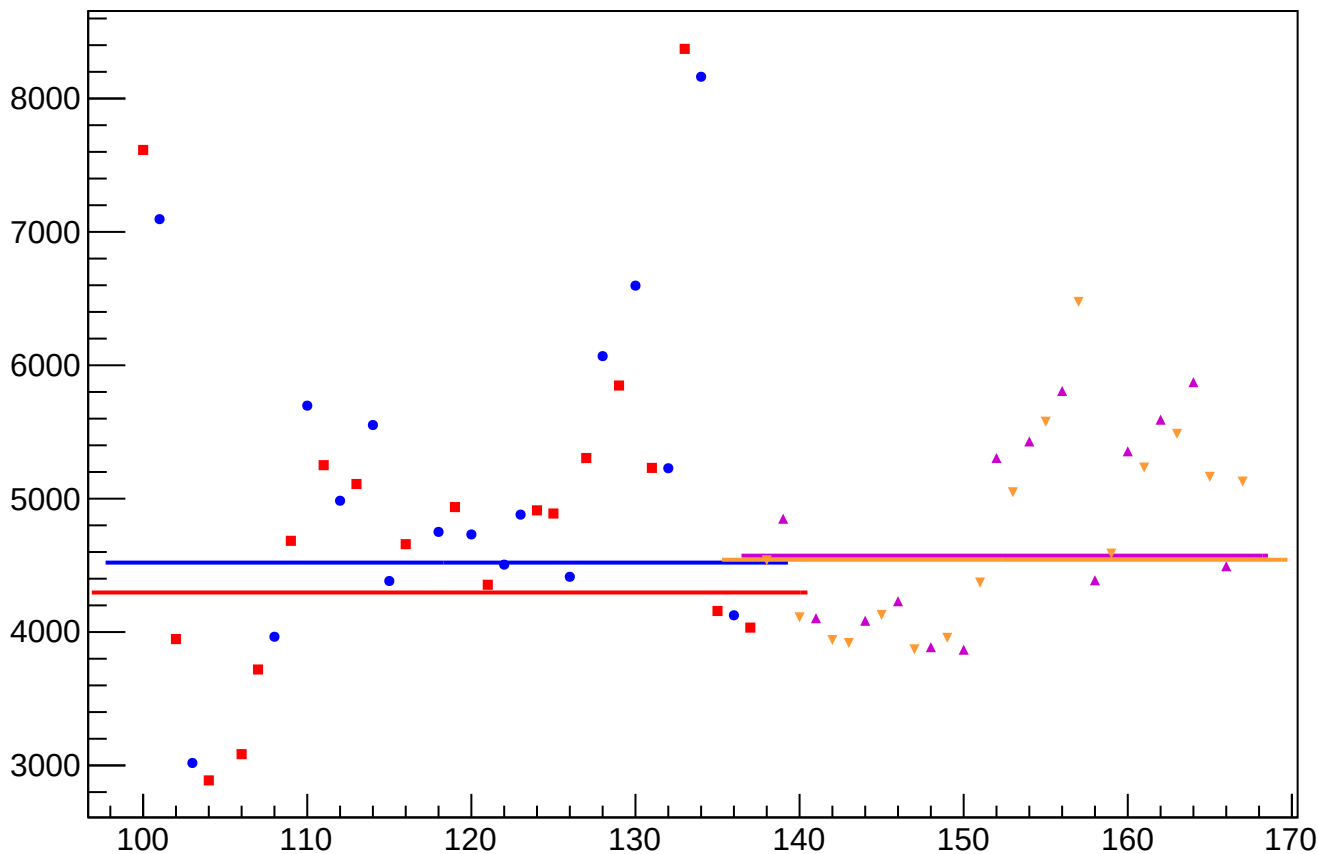
Right: -1689.130 $\pm$ 1235.094 χ^2 /NDF: 31.9/35

In: -348.177 $\pm$ 1108.576 χ^2 /NDF: 32.2/30

Out: 887.725 $\pm$ 1047.379 χ^2 /NDF: 33.8/34

All: 304.826 $\pm$ 761.324 χ^2 /NDF: 66.6/65

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: 4572.687+/-0.992 χ^2/NDF : 457371.6/13

Left: 4556.587+/-0.684 χ^2/NDF : 946675.3/29

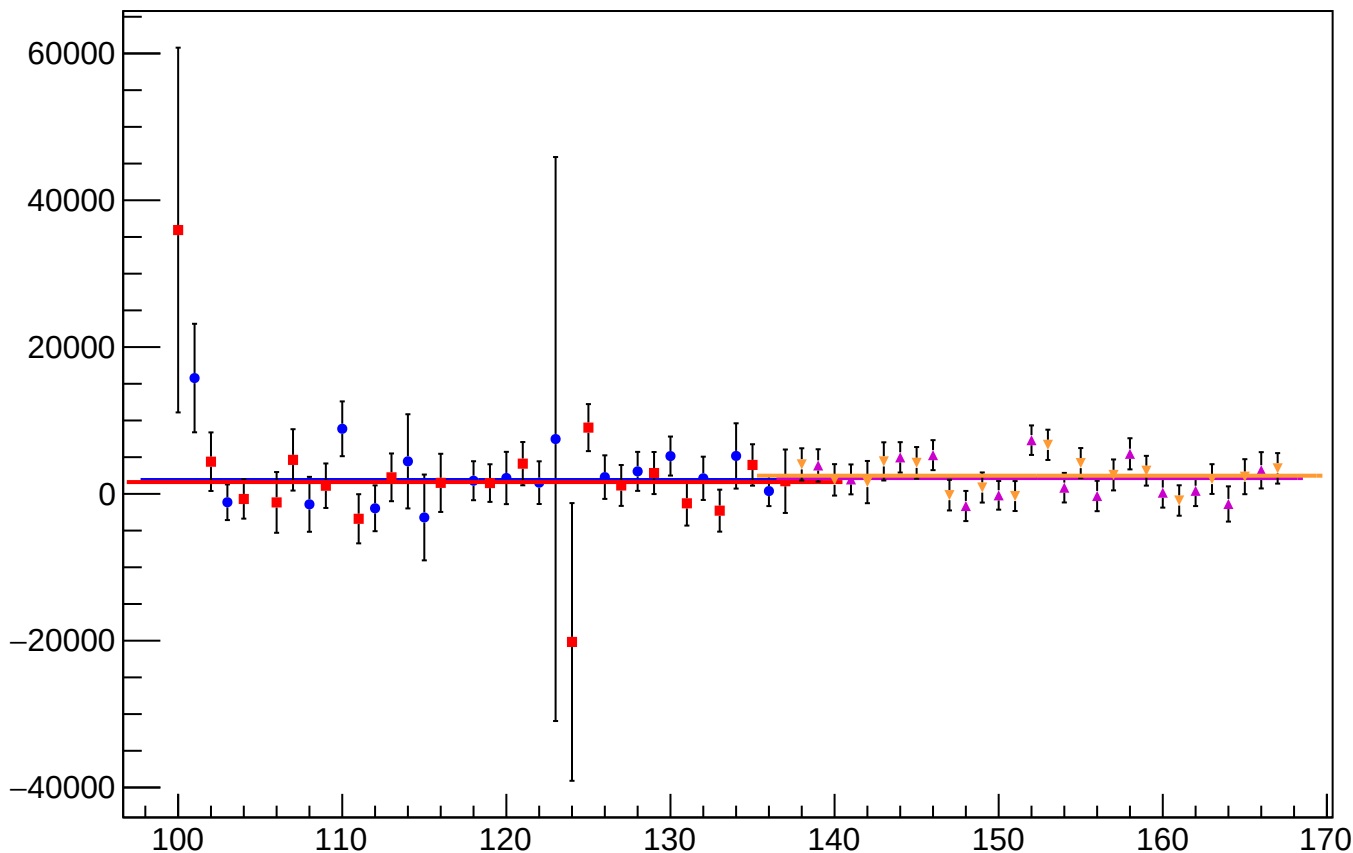
Right: 4400.391+/-0.871 χ^2/NDF : 1559151.4/35

In: 4553.159+/-0.784 χ^2/NDF : 1229291.0/30

Out: 4447.120+/-0.739 χ^2/NDF : 1286754.0/34

All: 4497.019+/-0.538 χ^2/NDF : 2525733.1/65

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: 2153.980+/-561.155 χ^2/NDF :24.5/13

Left: 2322.448+/-388.647 χ^2/NDF : 38.6/29

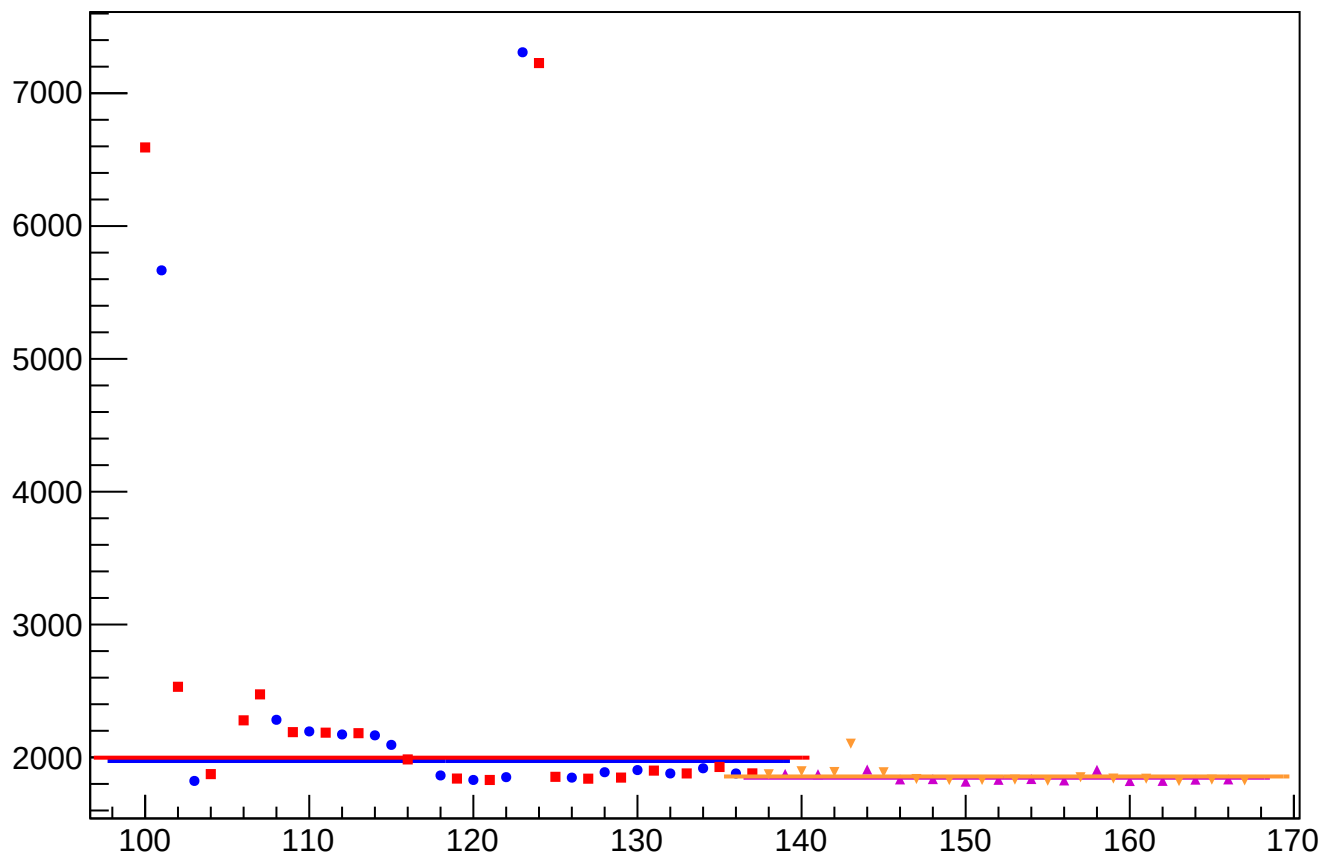
Right: 1745.891+/-547.780 χ^2/NDF : 32.2/35

In: 2063.822+/-456.278 χ^2/NDF :39.2/30

Out: 2190.562+/-440.661 χ^2/NDF :32.2/34

All: 2129.398+/-316.972 χ^2/NDF : 71.5/65

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: 1846.686+/-0.397 χ^2/NDF :5631.8/13

Left: 1851.556+/-0.275 χ^2/NDF : 28542.0/29

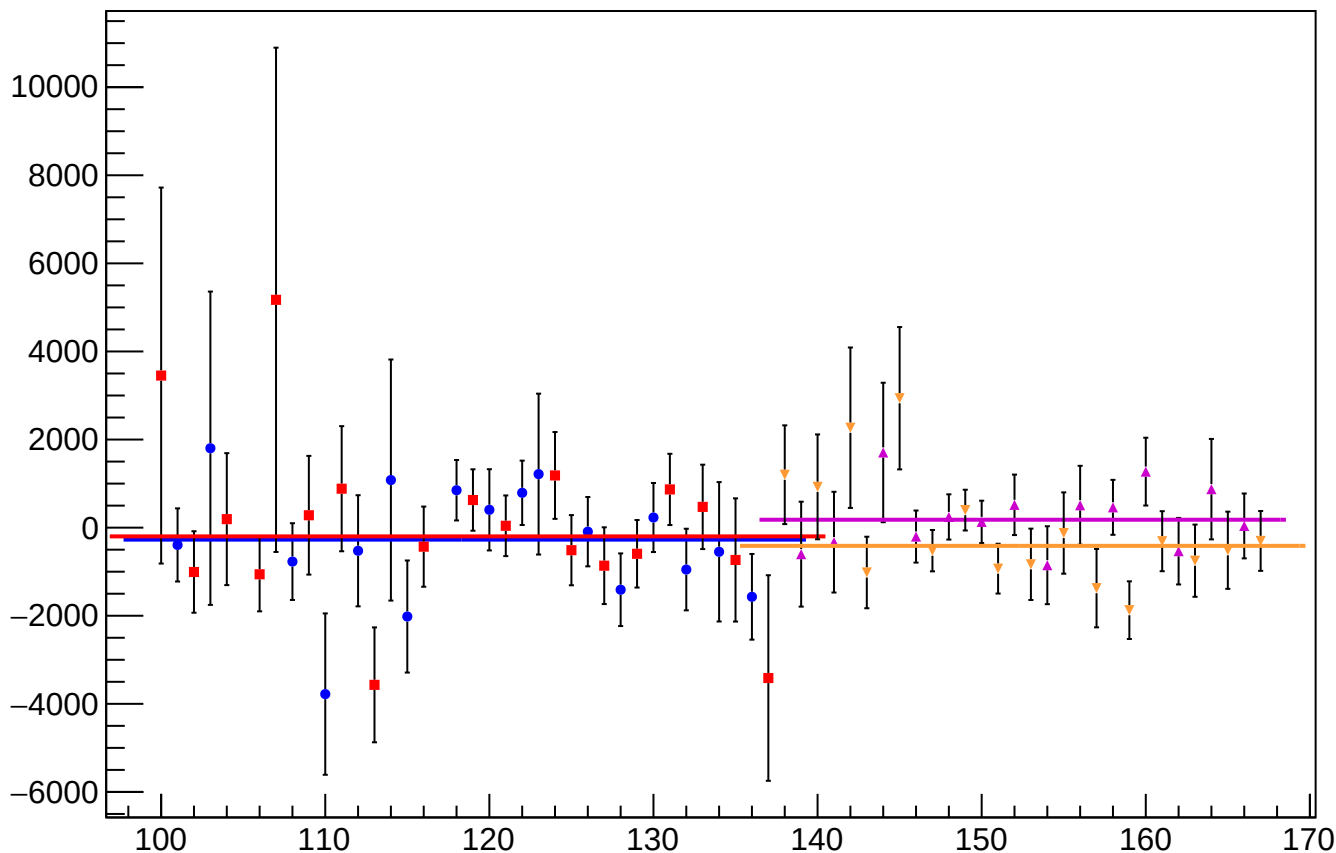
Right: 1985.358+/-0.387 χ^2/NDF : 957496.6/35

In: 1889.314+/-0.323 χ^2/NDF :640560.4/30

Out: 1902.926+/-0.312 χ^2/NDF :423930.5/34

All: 1896.357+/-0.224 χ^2/NDF : 1065411.9/65

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: 179.698 ± 195.715 $\chi^2/\text{NDF}: 7.3/13$

Left: -134.586 ± 134.163 $\chi^2/\text{NDF}: 33.2/29$

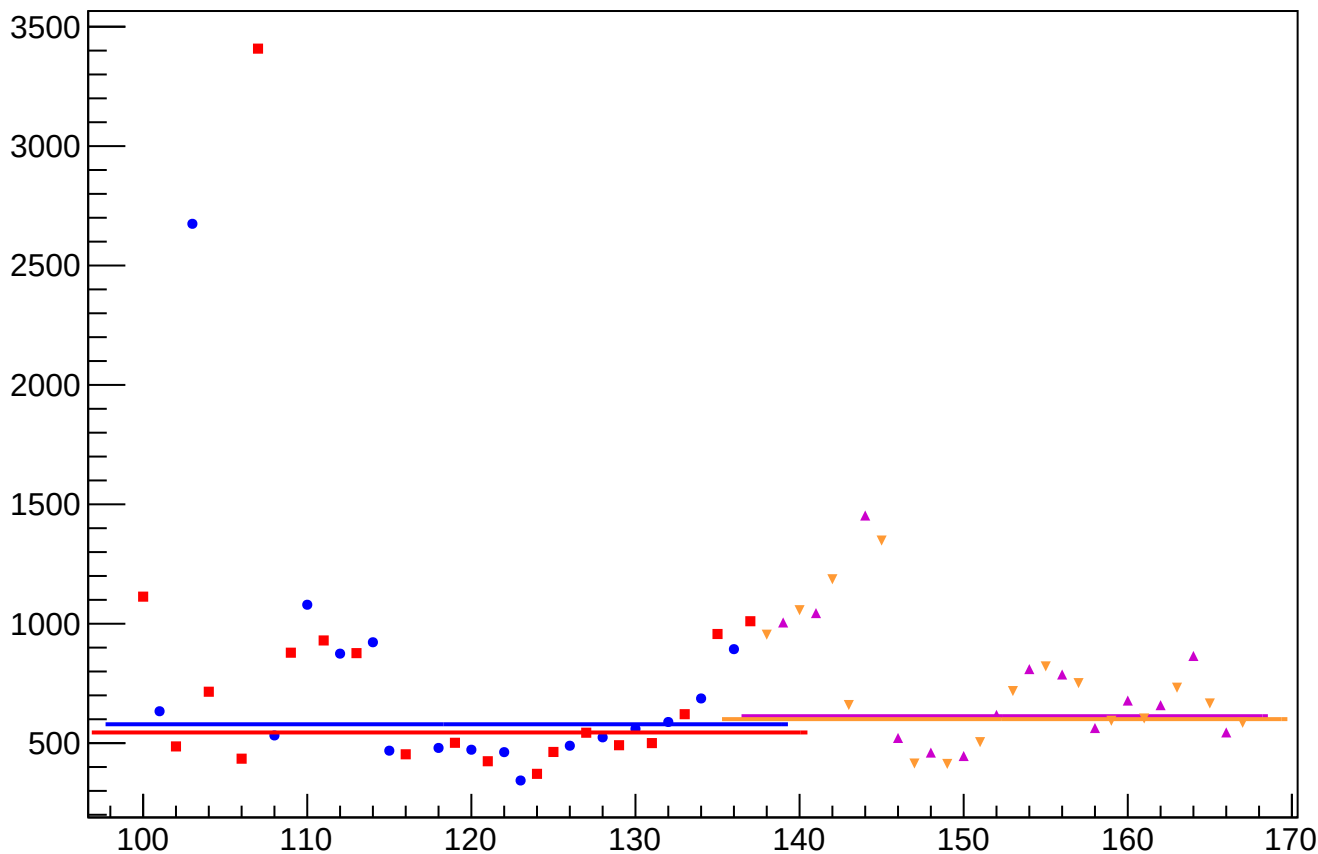
Right: -233.352 ± 165.764 $\chi^2/\text{NDF}: 37.0/35$

In: -0.428 ± 151.730 $\chi^2/\text{NDF}: 26.6/30$

Out: -328.797 ± 143.572 $\chi^2/\text{NDF}: 41.3/34$

All: -173.677 ± 104.285 $\chi^2/\text{NDF}: 70.4/65$

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: 612.802 $\pm$ 0.138 χ^2 /NDF: 1854078.9/13

Left: 606.293 $\pm$ 0.095 χ^2 /NDF: 3975693.2/29

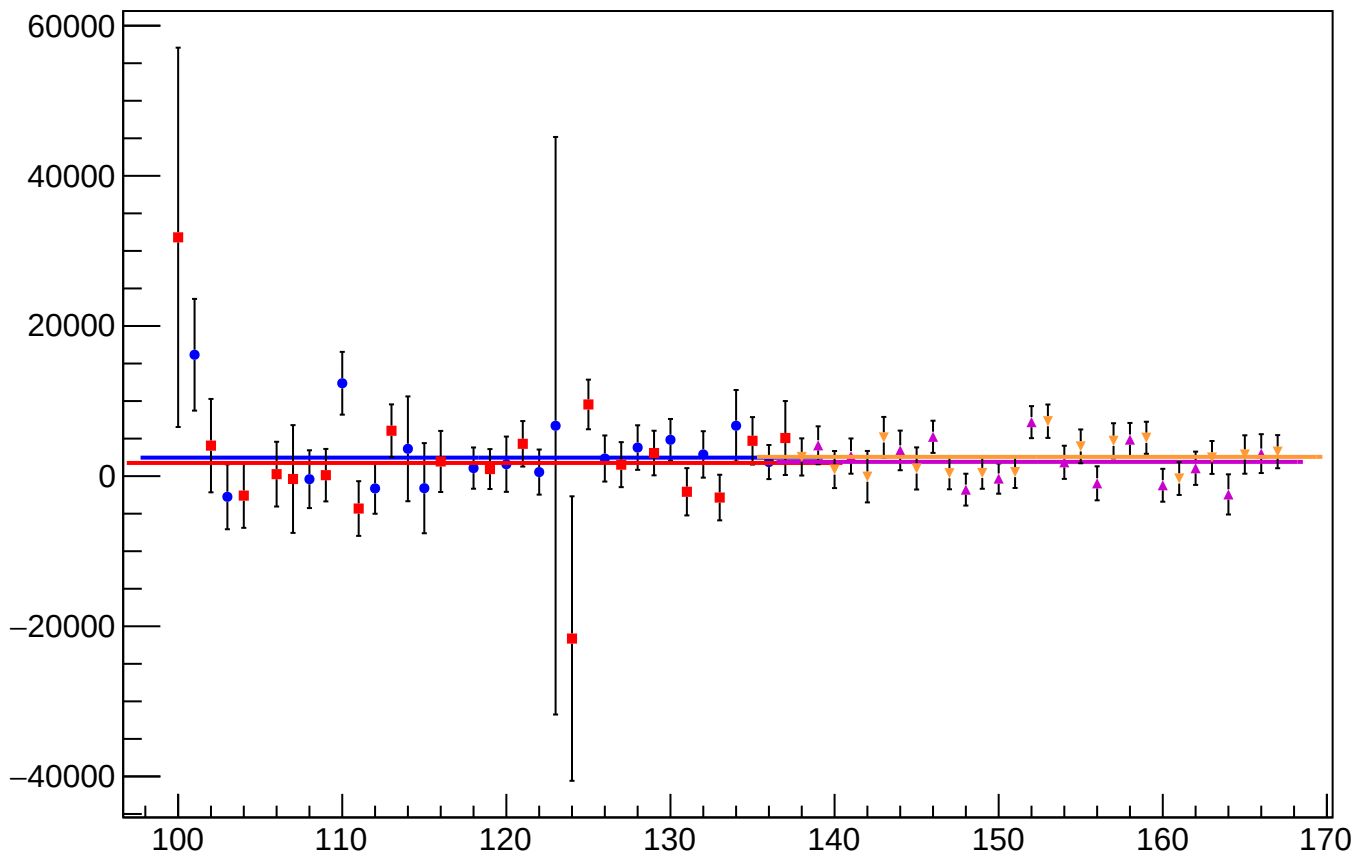
Right: 561.024 $\pm$ 0.117 χ^2 /NDF: 2901353.8/35

In: 599.320 $\pm$ 0.107 χ^2 /NDF: 3300015.5/30

Out: 578.577 $\pm$ 0.102 χ^2 /NDF: 3647433.1/34

All: 588.376 $\pm$ 0.074 χ^2 /NDF: 6967170.1/65

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: 1898.434 $\pm$ 609.563 χ^2/NDF : 22.4/13

Left: 2245.341 $\pm$ 422.319 χ^2/NDF : 37.3/29

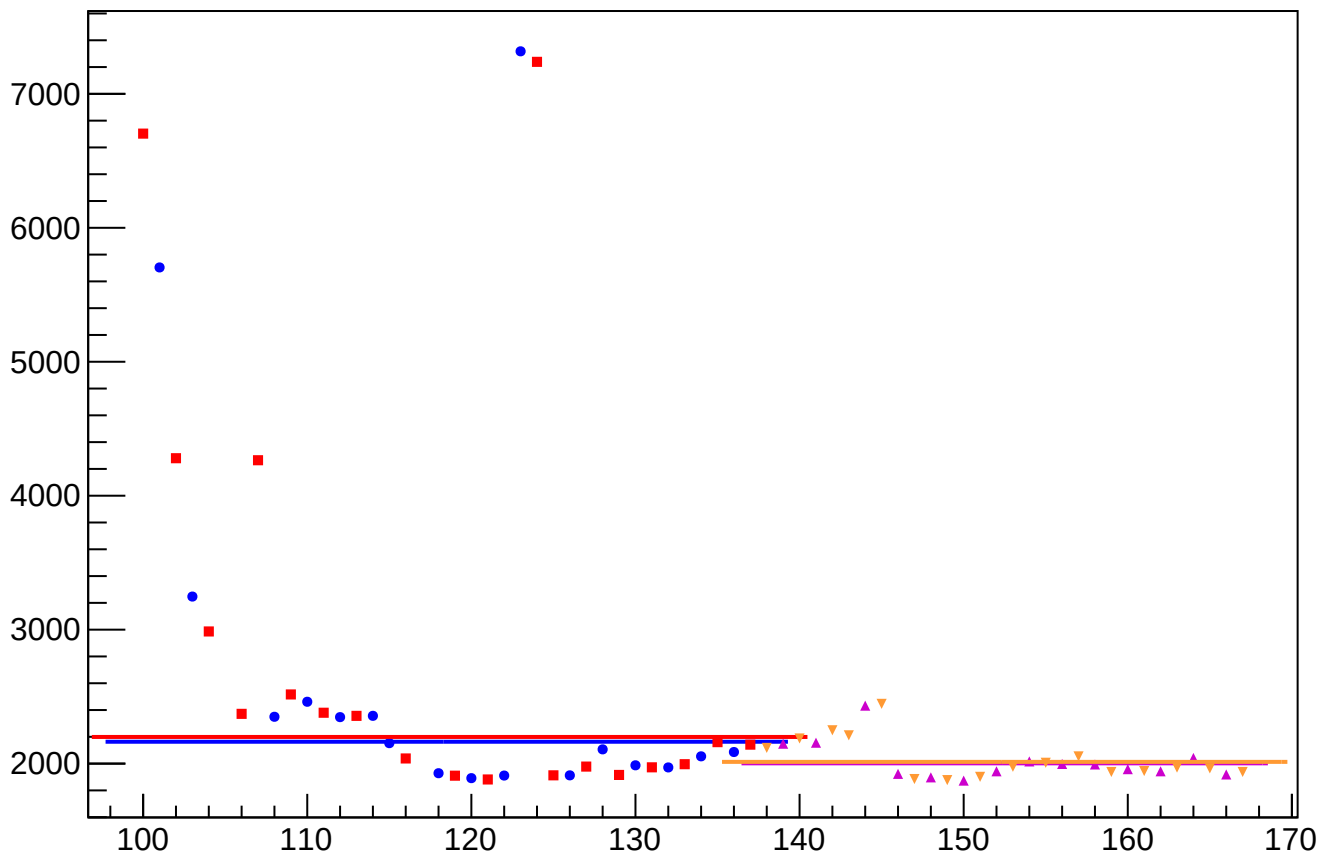
Right: 2106.351 $\pm$ 606.840 χ^2/NDF : 36.4/35

In: 2086.648 $\pm$ 497.926 χ^2/NDF : 38.2/30

Out: 2306.578 $\pm$ 482.863 χ^2/NDF : 35.4/34

All: 2199.990 $\pm$ 346.639 χ^2/NDF : 73.7/65

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: 2002.024 ± 0.431 χ^2/NDF : 90708.0/13

Left: 2007.718 ± 0.299 χ^2/NDF : 202783.0/29

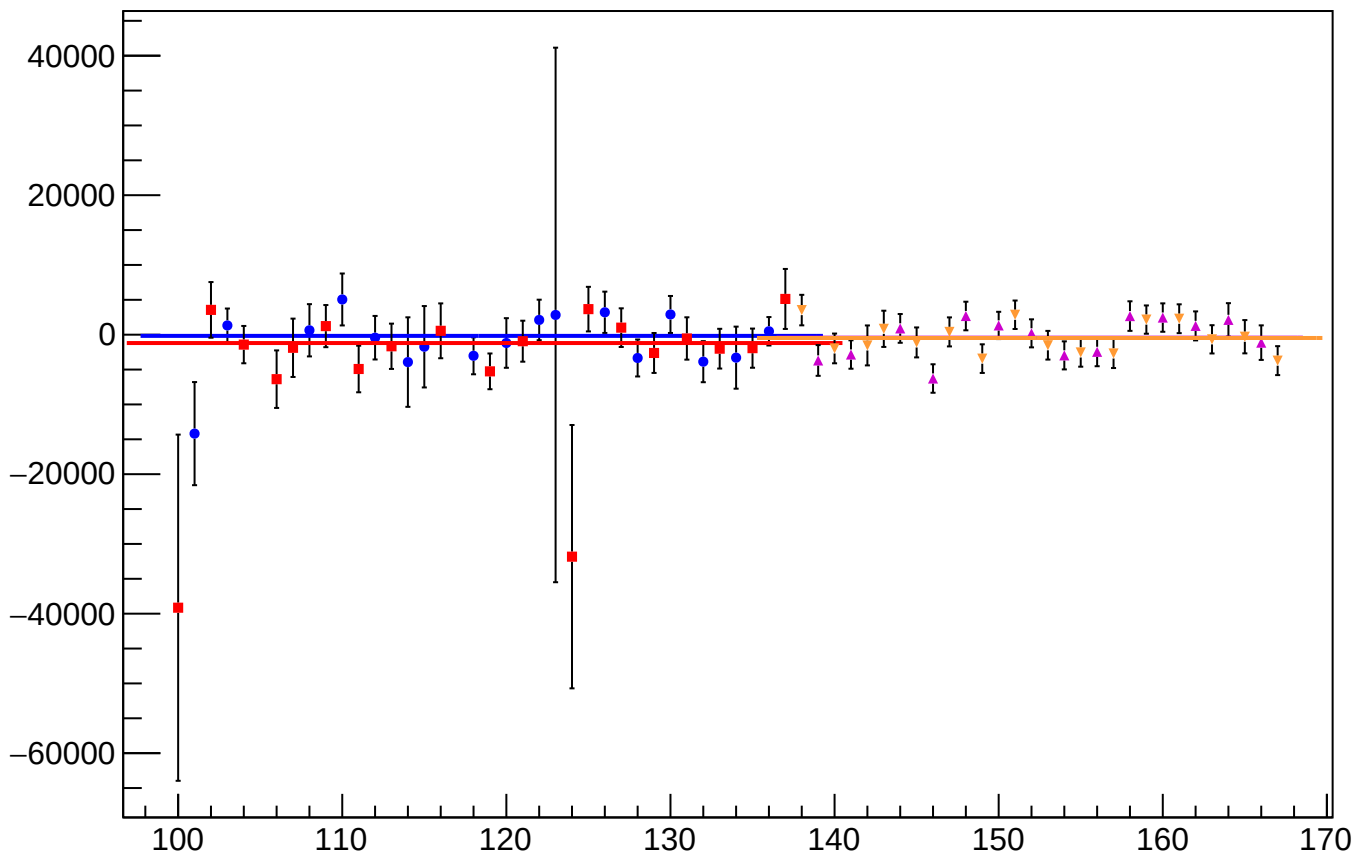
Right: 2181.359 ± 0.429 χ^2/NDF : 1514611.9/35

In: 2055.688 ± 0.352 χ^2/NDF : 846878.8/30

Out: 2072.545 ± 0.341 χ^2/NDF : 979655.9/34

All: 2064.376 ± 0.245 χ^2/NDF : 1827716.1/65

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: -426.030 ± 560.506 $\chi^2/\text{NDF}: 24.0/13$

Left: -449.779 ± 388.049 $\chi^2/\text{NDF}: 41.6/29$

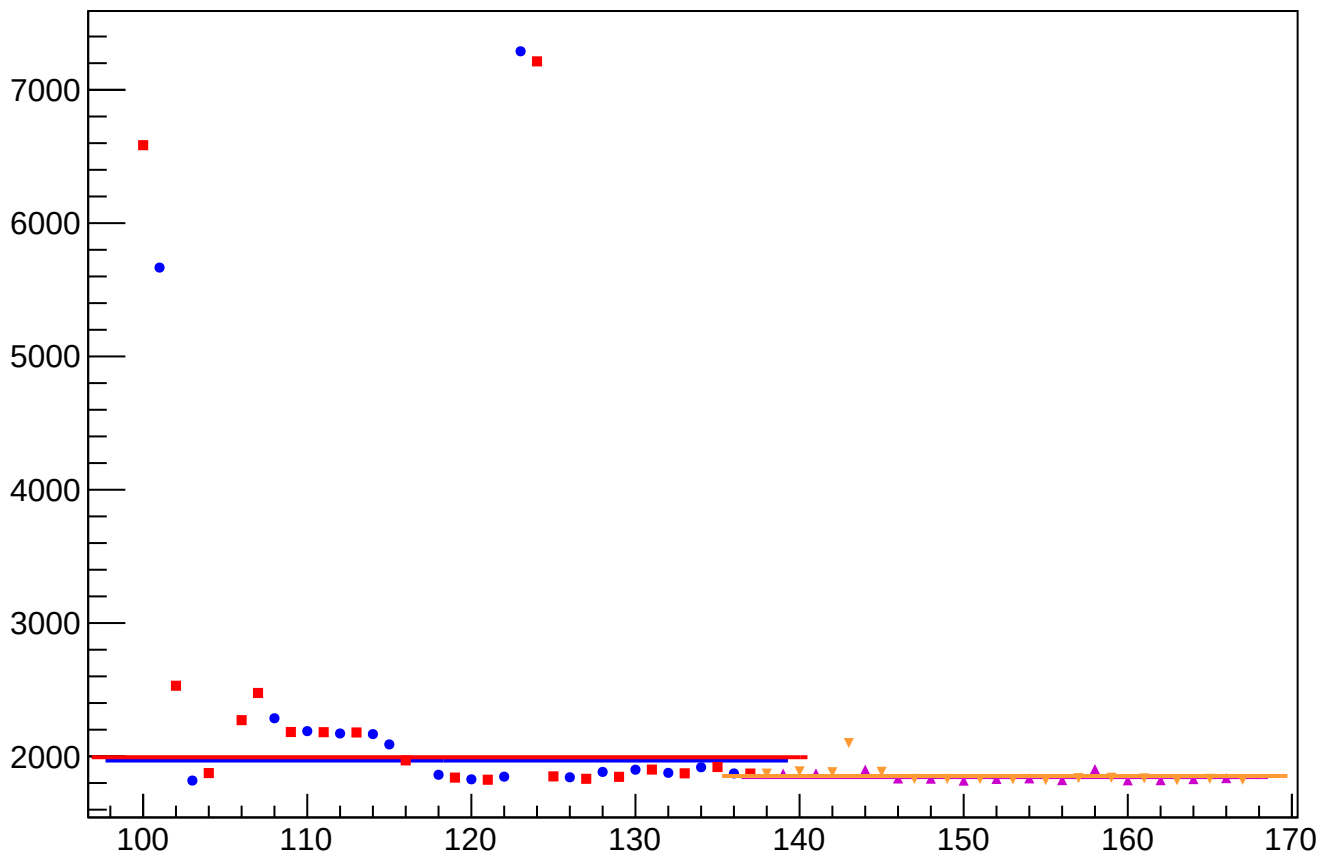
Right: -695.987 ± 546.706 $\chi^2/\text{NDF}: 33.6/35$

In: -339.312 ± 455.645 $\chi^2/\text{NDF}: 38.6/30$

Out: -712.031 ± 439.801 $\chi^2/\text{NDF}: 36.4/34$

All: -532.264 ± 316.439 $\chi^2/\text{NDF}: 75.3/65$

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: 1844.562 $\pm$ 0.396 χ^2 /NDF: 5228.6/13

Left: 1848.733 $\pm$ 0.274 χ^2 /NDF: 27705.8/29

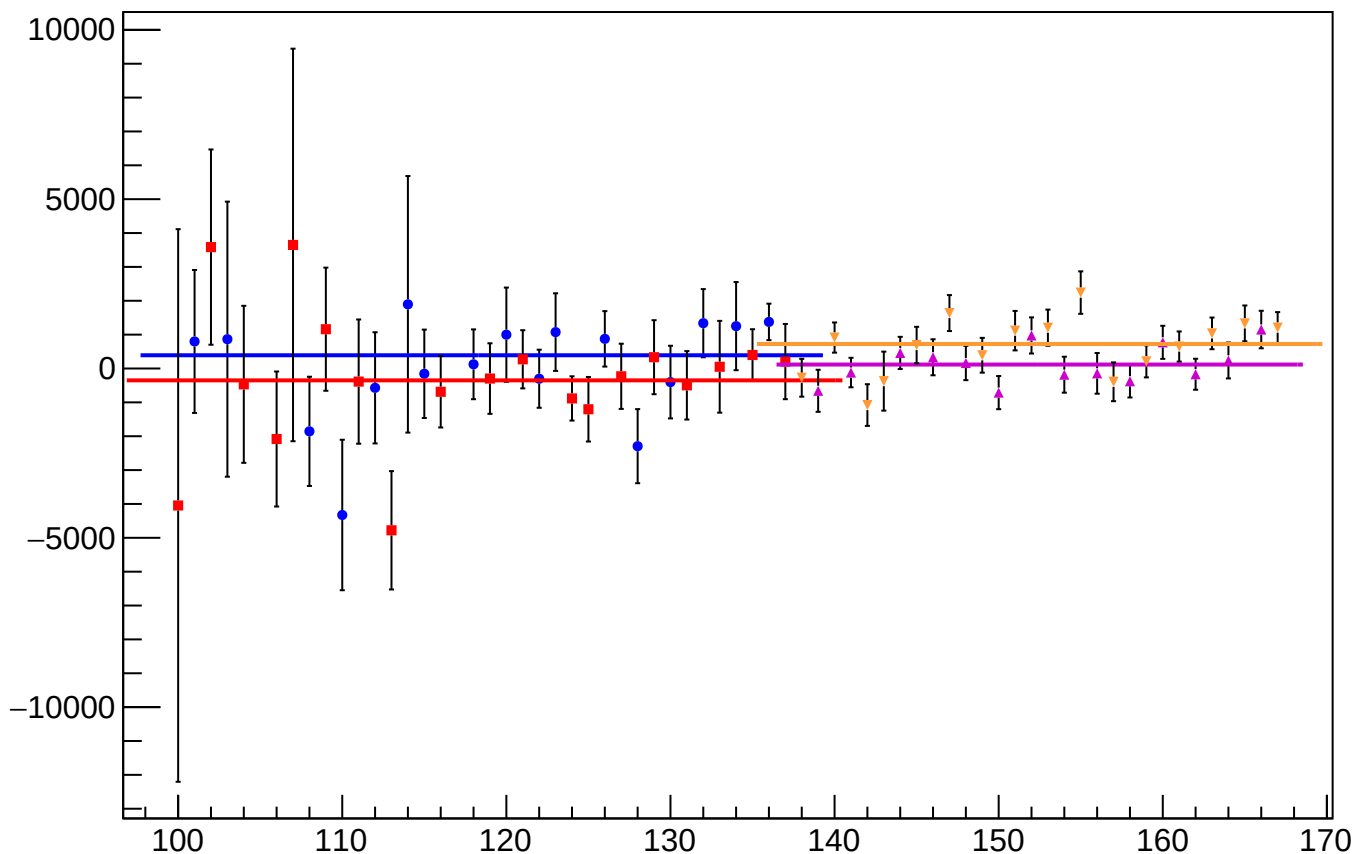
Right: 1981.318 $\pm$ 0.387 χ^2 /NDF: 960172.6/35

In: 1886.643 $\pm$ 0.322 χ^2 /NDF: 641438.0/30

Out: 1899.217 $\pm$ 0.311 χ^2 /NDF: 423871.1/34

All: 1893.152 $\pm$ 0.224 χ^2 /NDF: 1066097.5/65

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923 ± 270.128 $\chi^2/\text{NDF}: 20.0/16$

Left Out: 723.637 ± 131.924 $\chi^2/\text{NDF}: 31.9/15$

Right Out: -350.642 ± 266.097 $\chi^2/\text{NDF}: 14.2/18$

Left In: 116.730 ± 136.264 $\chi^2/\text{NDF}: 15.3/13$

Left: 430.002 ± 94.782 $\chi^2/\text{NDF}: 57.5/29$

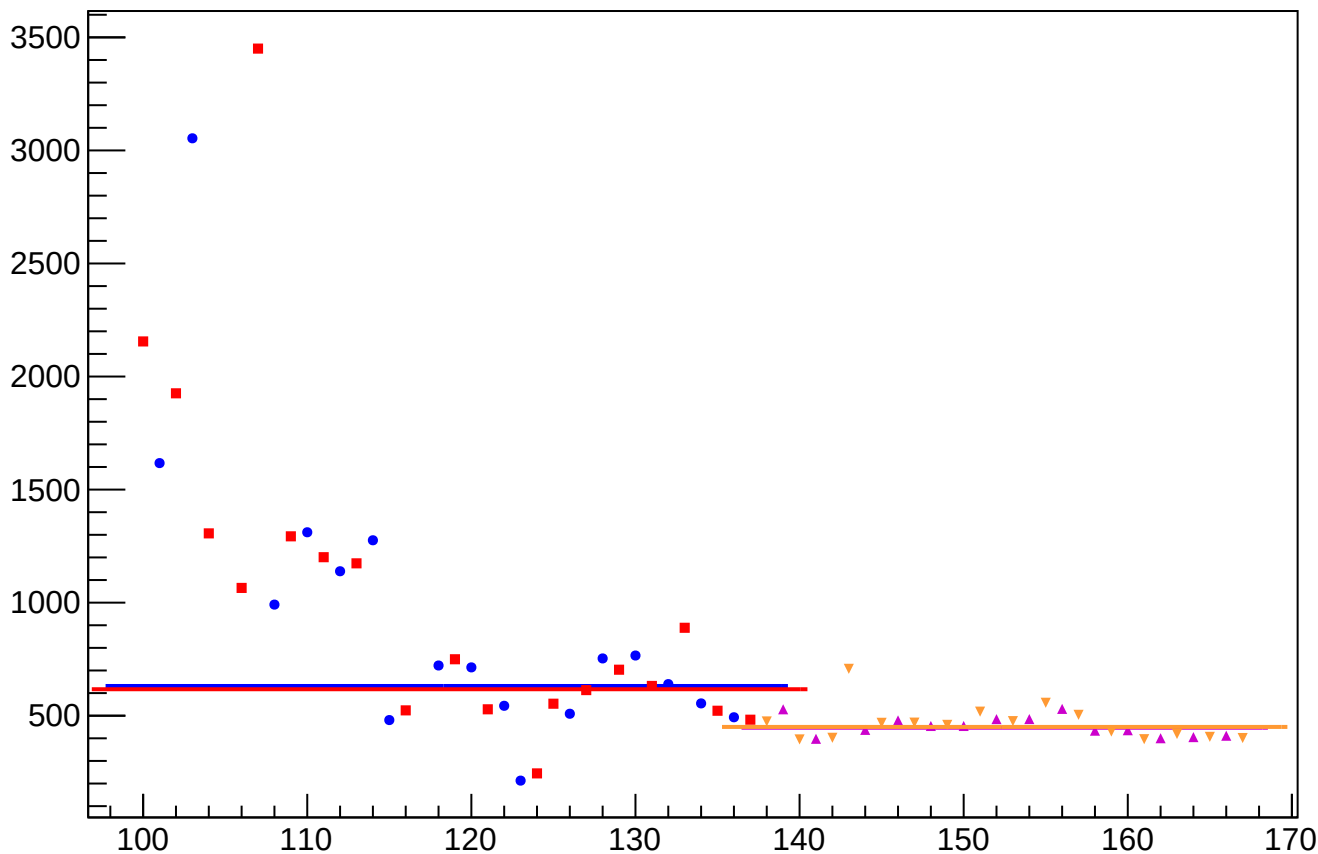
Right: 14.566 ± 189.568 $\chi^2/\text{NDF}: 38.1/35$

In: 172.349 ± 121.661 $\chi^2/\text{NDF}: 36.2/30$

Out: 511.683 ± 118.196 $\chi^2/\text{NDF}: 59.3/34$

All: 346.918 ± 84.776 $\chi^2/\text{NDF}: 99.4/65$

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 450.366 $\pm$ 0.093 χ^2 /NDF: 412499.4/15

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

Left In: 446.876 $\pm$ 0.096 χ^2 /NDF: 171349.1/13

Left: 448.677 $\pm$ 0.067 χ^2 /NDF: 584525.4/29

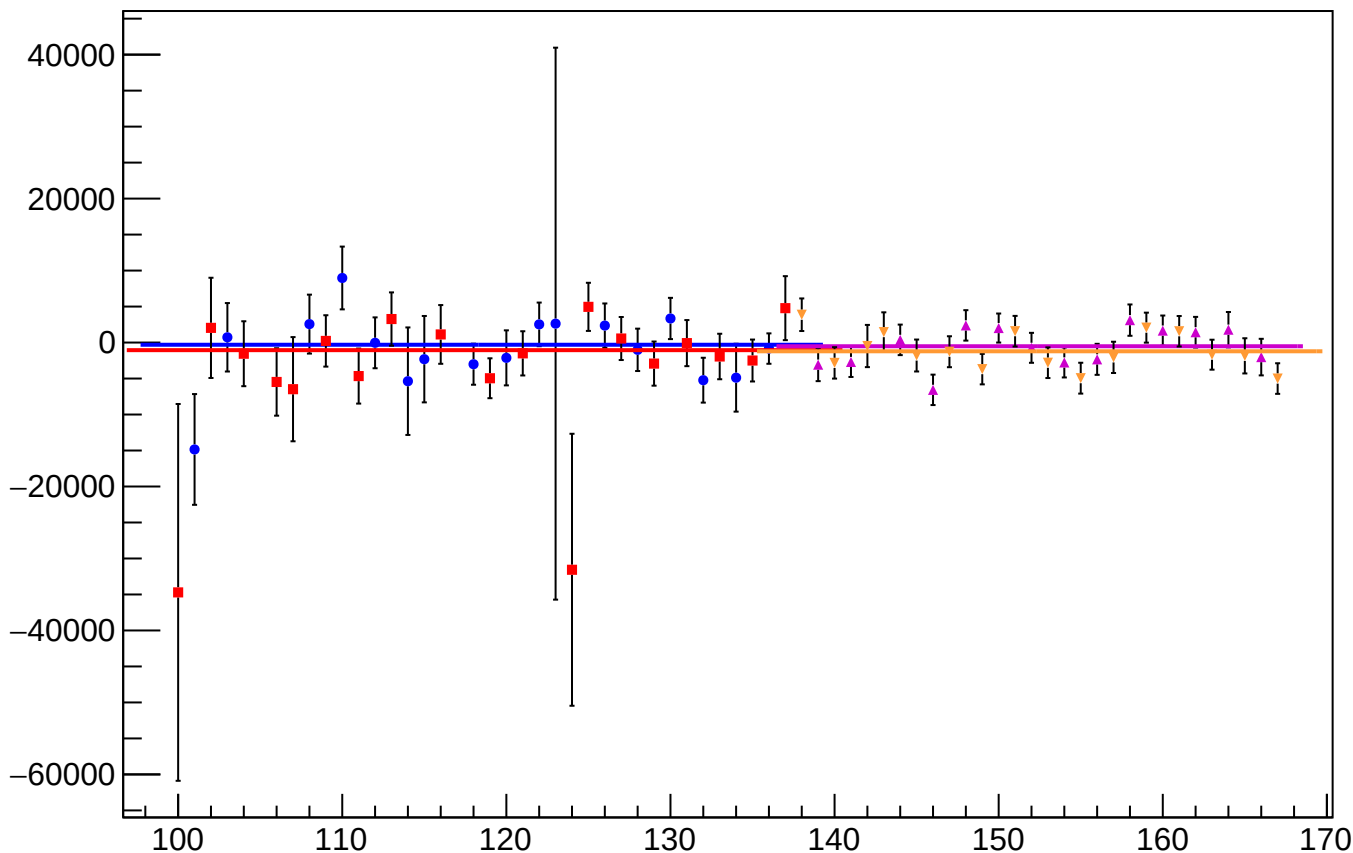
Right: 624.124 $\pm$ 0.134 χ^2 /NDF: 5065724.7/35

In: 484.312 $\pm$ 0.086 χ^2 /NDF: 3176219.3/30

Out: 483.249 $\pm$ 0.084 χ^2 /NDF: 3844474.2/34

All: 483.765 $\pm$ 0.060 χ^2 /NDF: 7020772.0/65

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1213.310 ± 555.463 χ^2/NDF : 21.0/15

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

Left In: -513.049 ± 577.974 χ^2/NDF : 22.0/13

Left: -877.082 ± 400.493 χ^2/NDF : 43.8/29

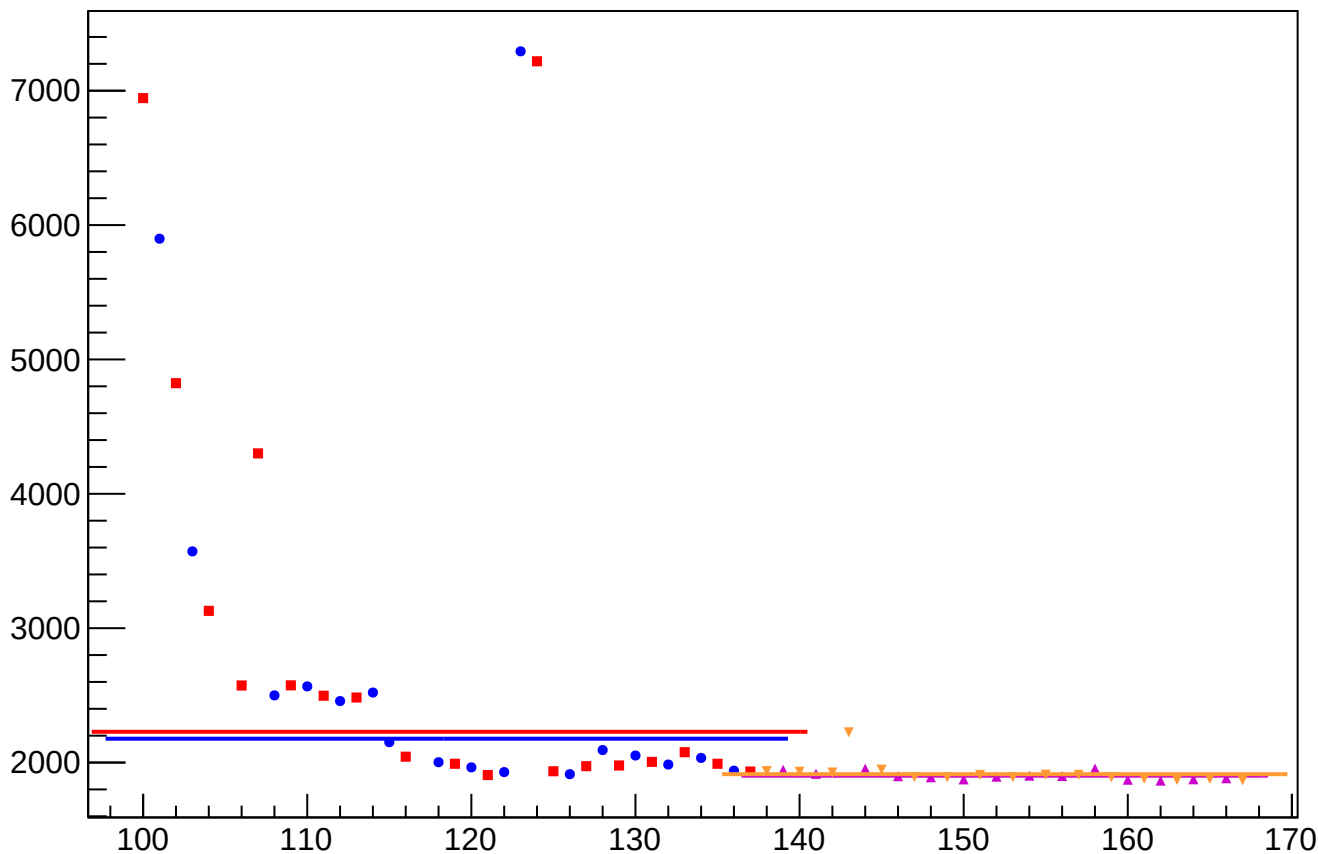
Right: -683.218 ± 614.953 χ^2/NDF : 34.2/35

In: -449.756 ± 481.745 χ^2/NDF : 39.2/30

Out: -1167.813 ± 467.777 χ^2/NDF : 37.7/34

All: -819.345 ± 335.598 χ^2/NDF : 78.0/65

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: 1902.249 $\pm$ 0.409 χ^2 /NDF:5014.7/13

Left: 1908.061 $\pm$ 0.283 χ^2 /NDF: 35610.9/29

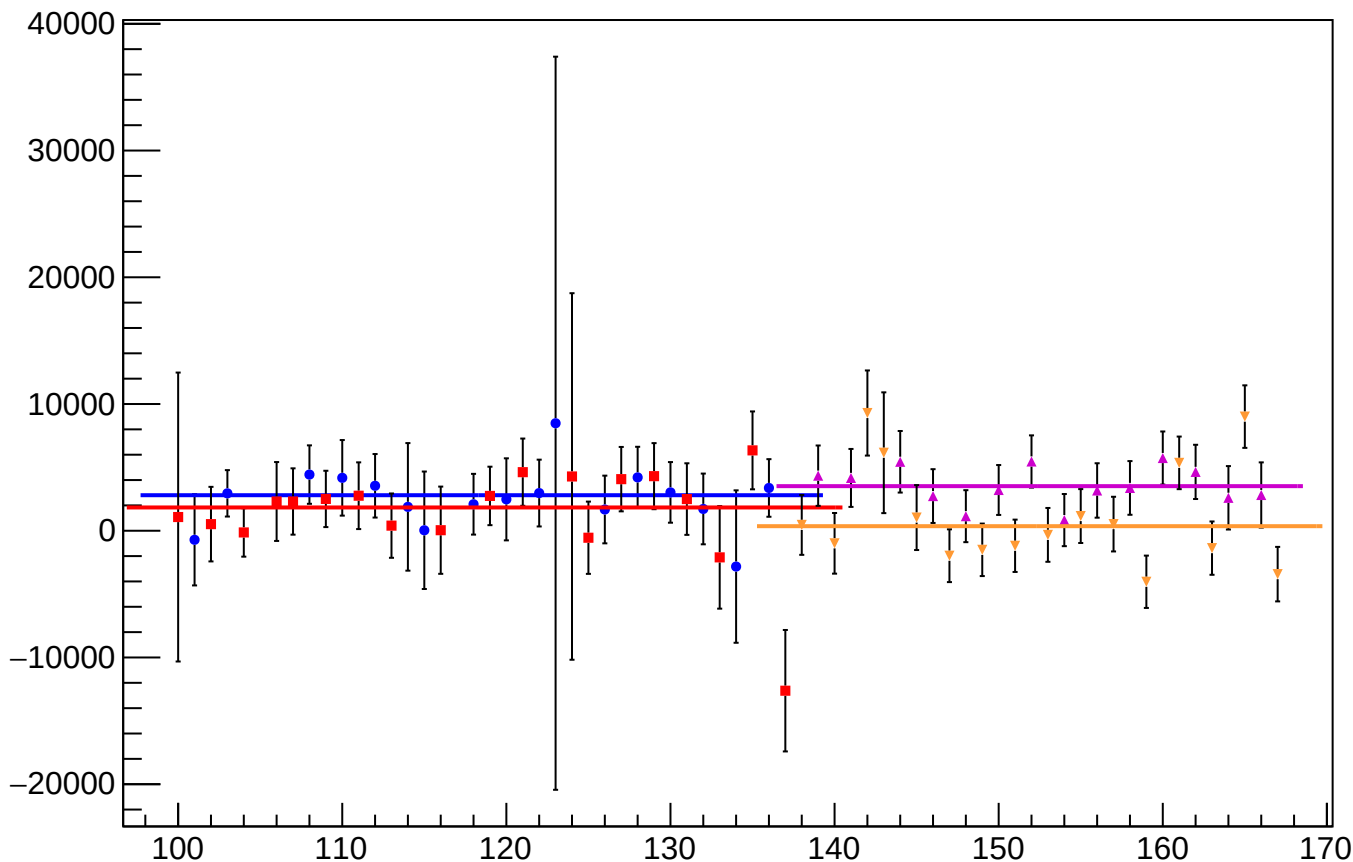
Right: 2203.363 $\pm$ 0.435 χ^2 /NDF: 1702161.6/35

In: 1986.257 $\pm$ 0.341 χ^2 /NDF:946266.0/30

Out: 2005.202 $\pm$ 0.331 χ^2 /NDF:1113752.2/34

All: 1996.008 $\pm$ 0.237 χ^2 /NDF: 2061610.0/65

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 360.111 $\pm$ 570.892 χ^2/NDF : 38.2/15

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

Left In: 3519.257 $\pm$ 584.808 χ^2/NDF : 6.5/13

Left: 1901.651 $\pm$ 408.513 χ^2/NDF : 59.7/29

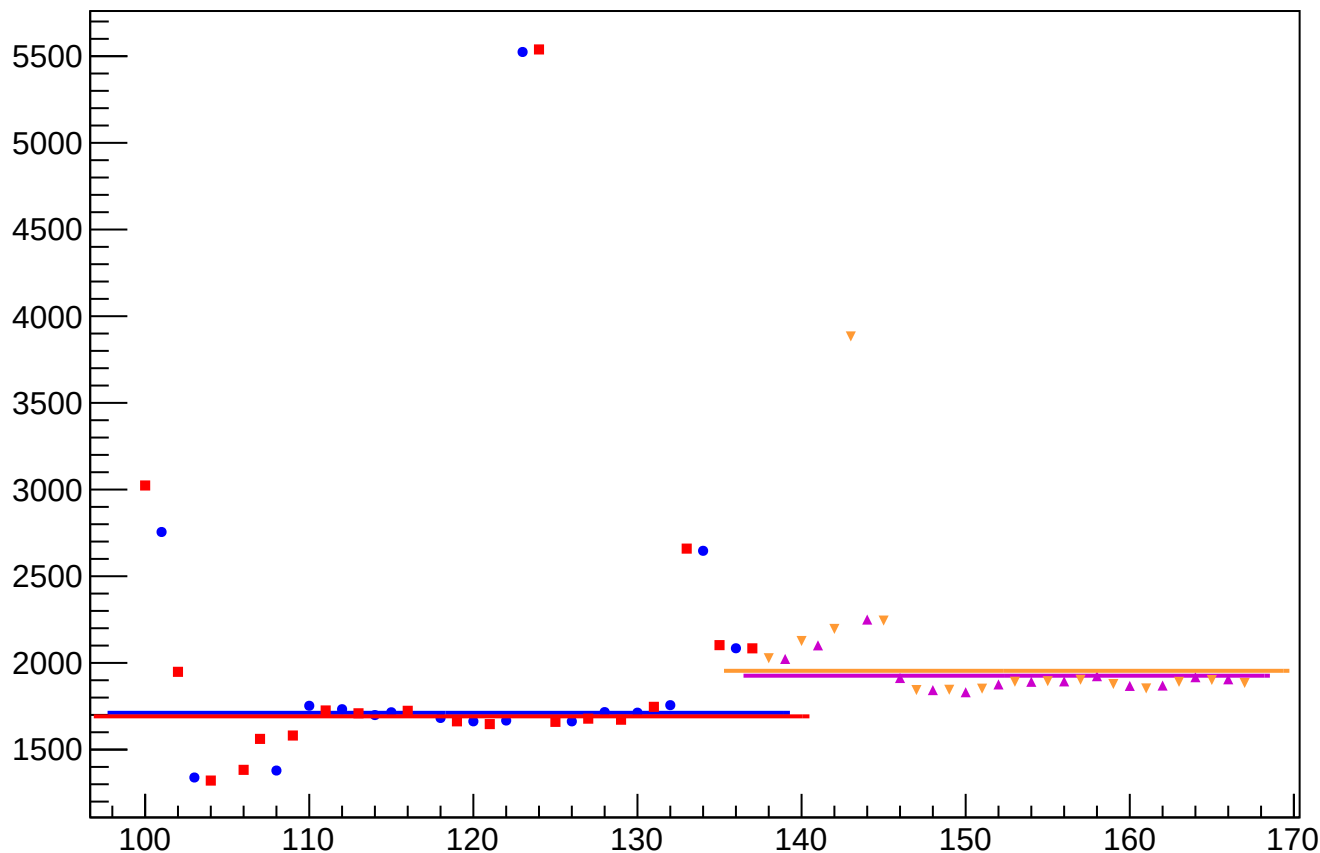
Right: 2303.702 $\pm$ 471.374 χ^2/NDF : 23.0/35

In: 3214.374 $\pm$ 442.987 χ^2/NDF : 11.1/30

Out: 997.435 $\pm$ 430.453 χ^2/NDF : 59.1/34

All: 2074.099 $\pm$ 308.712 χ^2/NDF : 83.1/65

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: 1926.213+/-0.414 χ^2/NDF : 64017.3/13

Left: 1940.685+/-0.289 χ^2/NDF : 475381.9/29

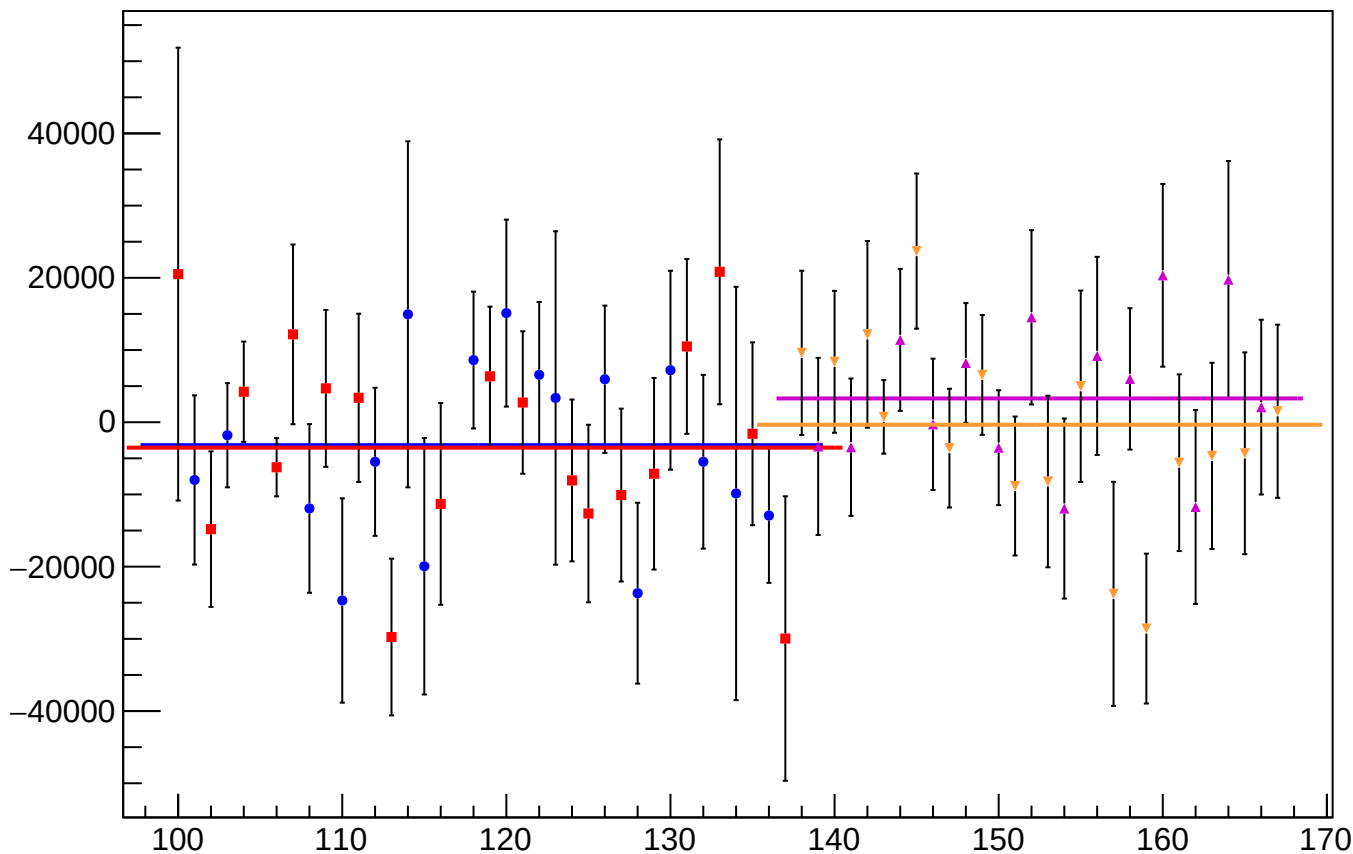
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1834.979+/-0.313 χ^2/NDF : 610702.1/30

Out: 1841.113+/-0.304 χ^2/NDF : 1046666.9/34

All: 1838.134+/-0.218 χ^2/NDF : 1657566.2/65

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245+/-2851.982 χ^2/NDF : 14.4/16

Left Out: -349.232+/-2481.361 χ^2/NDF : 19.8/15

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

Left In: 3294.570+/-2864.923 χ^2/NDF : 9.4/13

Left: 1212.588+/-1875.647 χ^2/NDF : 30.2/29

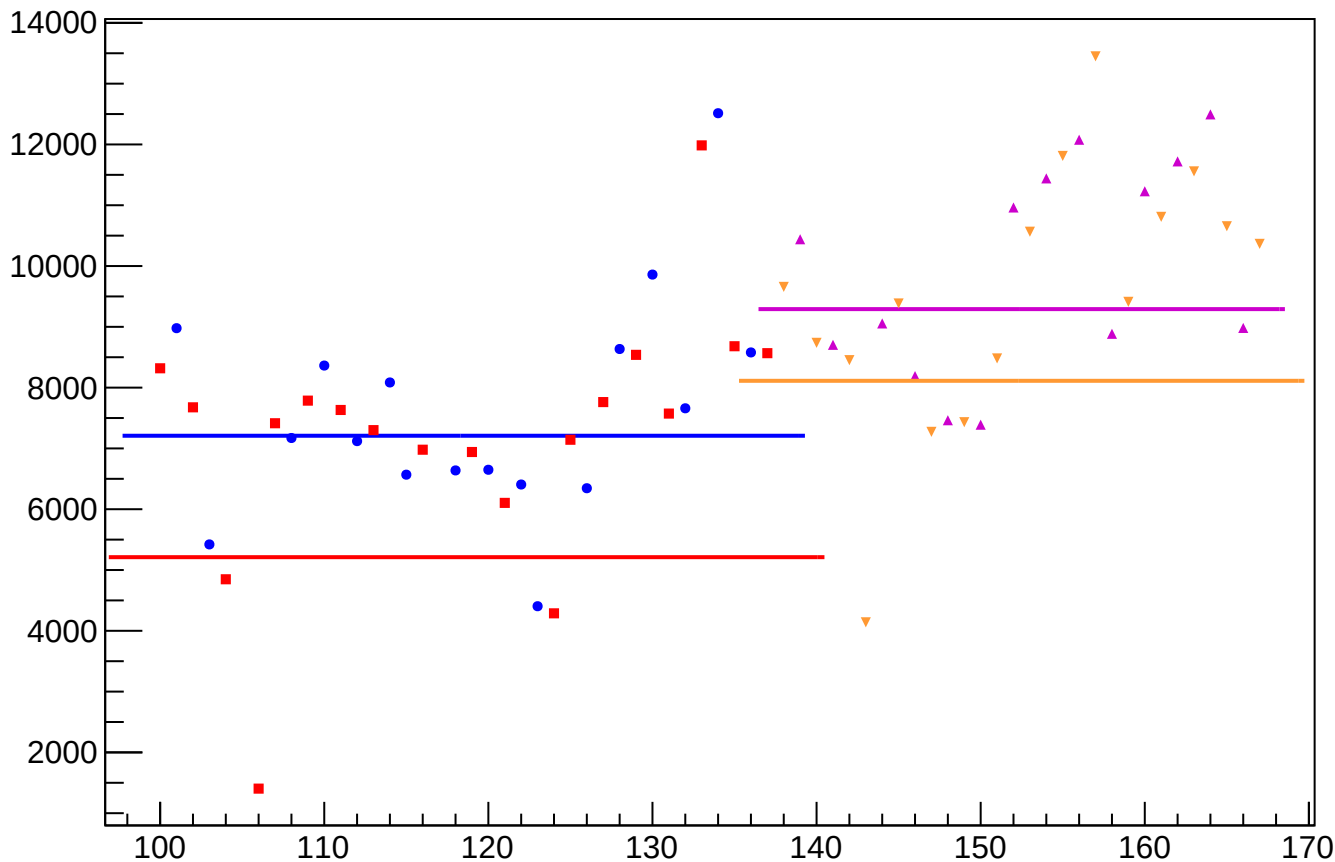
Right: -3385.836+/-1774.424 χ^2/NDF : 33.9/35

In: 46.021+/-2021.216 χ^2/NDF : 26.4/30

Out: -2077.849+/-1673.485 χ^2/NDF : 40.3/34

All: -1214.049+/-1289.007 χ^2/NDF : 67.3/65

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: 9291.437 $\pm$ 2.026 χ^2 /NDF: 640476.6/13

Left: 8617.670 $\pm$ 1.326 χ^2 /NDF: 3048924.6/29

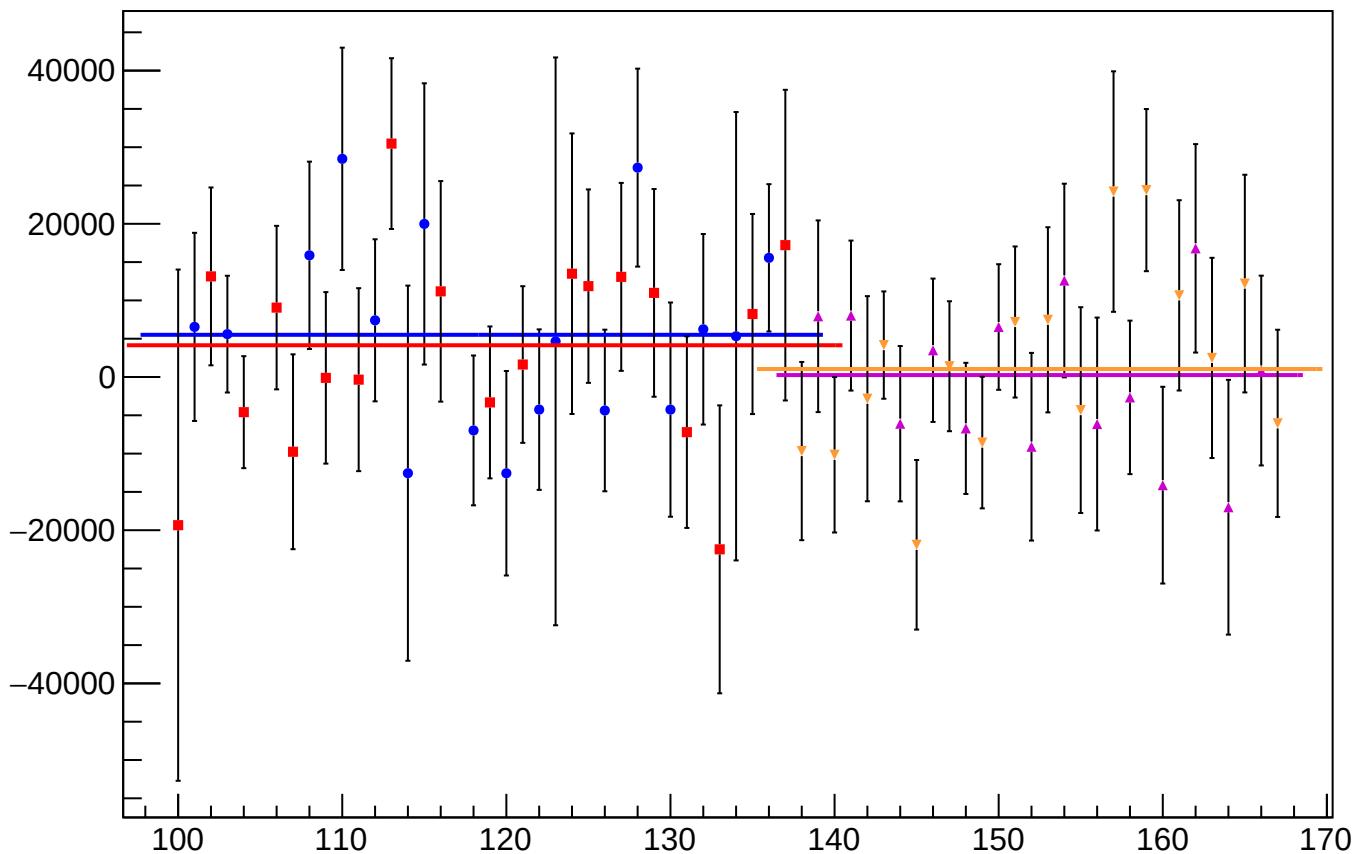
Right: 5984.369 $\pm$ 1.255 χ^2 /NDF: 4267414.1/35

In: 8245.287 $\pm$ 1.429 χ^2 /NDF: 1640736.6/30

Out: 6530.715 $\pm$ 1.183 χ^2 /NDF: 6902041.8/34

All: 7228.049 $\pm$ 0.911 χ^2 /NDF: 9396631.4/65

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: 253.703 $\pm$ 2934.206 χ^2 /NDF:8.4/13

Left: 683.095 $\pm$ 1982.423 χ^2 /NDF: 25.8/29

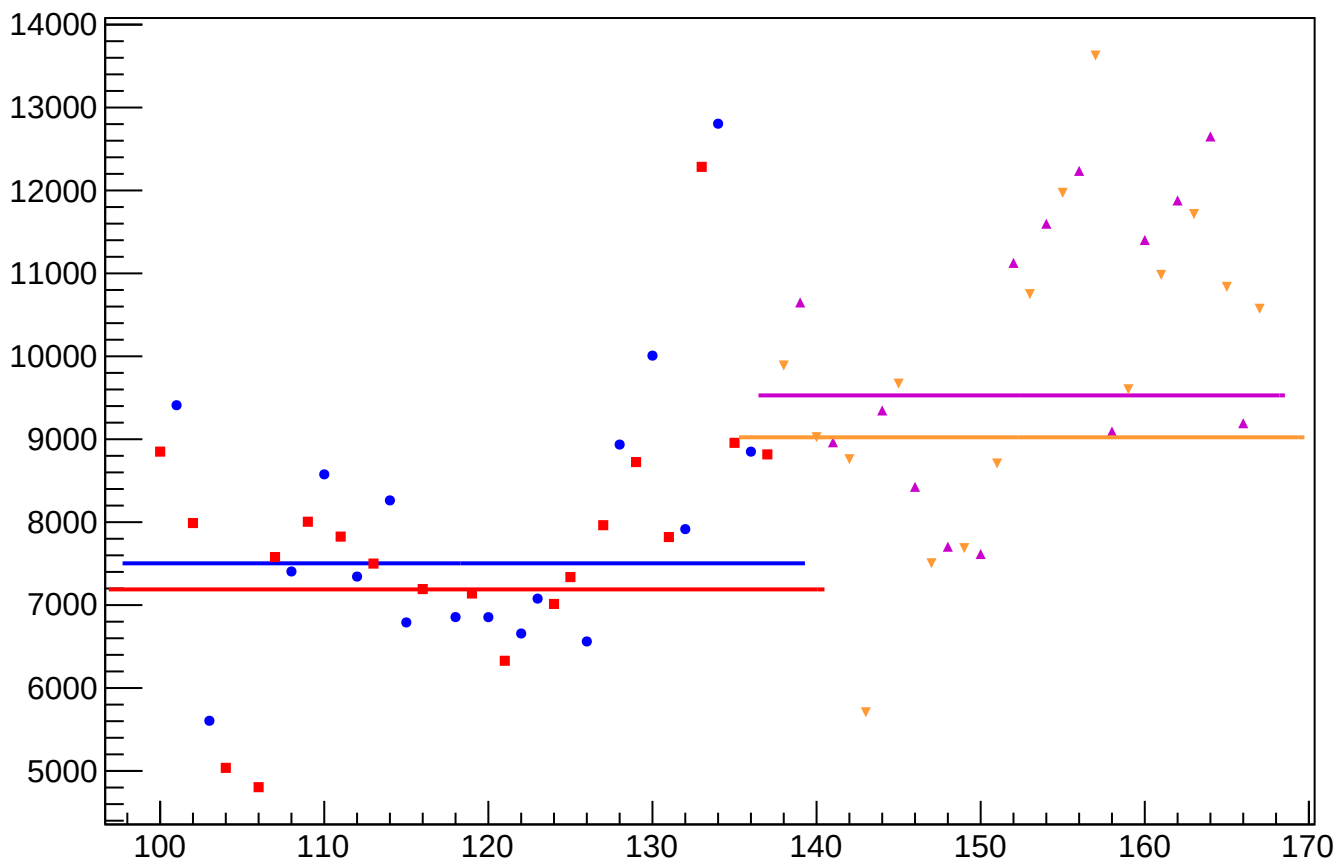
Right: 4784.984 $\pm$ 2033.900 χ^2 /NDF: 29.6/35

In: 2848.773 $\pm$ 2087.696 χ^2 /NDF:24.1/30

Out: 2537.576 $\pm$ 1936.187 χ^2 /NDF:33.4/34

All: 2681.474 $\pm$ 1419.635 χ^2 /NDF: 57.5/65

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: 9528.807 $\pm$ 2.075 χ^2/NDF :592444.4/13

Left: 9254.051 $\pm$ 1.402 χ^2/NDF : 1720518.5/29

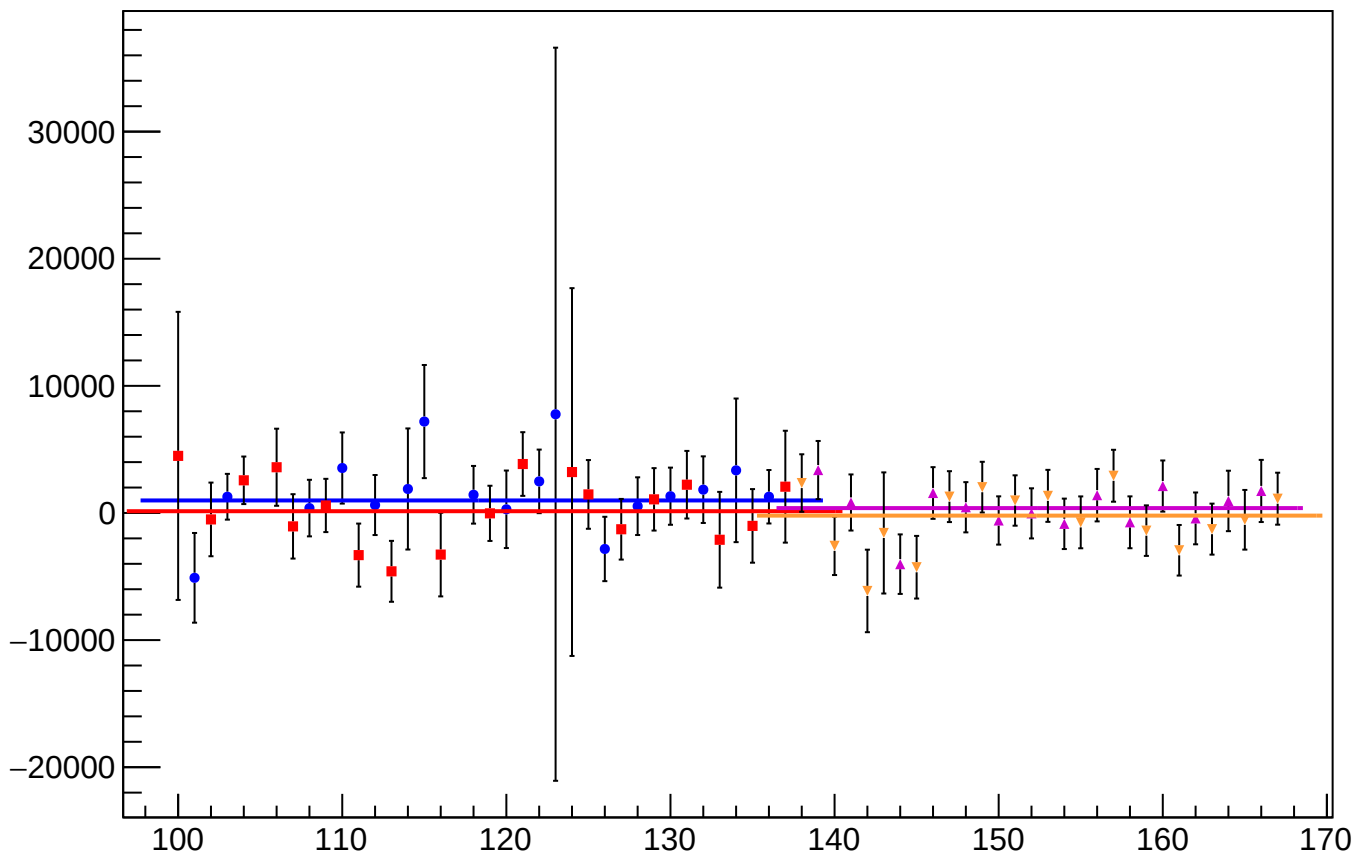
Right: 7336.574 $\pm$ 1.438 χ^2/NDF : 996921.9/35

In: 8528.840 $\pm$ 1.476 χ^2/NDF :1490181.9/30

Out: 8140.032 $\pm$ 1.369 χ^2/NDF :2101611.8/34

All: 8319.808 $\pm$ 1.004 χ^2/NDF : 3629089.1/65

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452 ± 644.630 $\chi^2/\text{NDF}: 9.1/16$

Left Out: -207.975 ± 547.367 $\chi^2/\text{NDF}: 16.6/15$

Right Out: 138.627 ± 623.555 $\chi^2/\text{NDF}: 14.7/18$

Left In: 383.515 ± 561.372 $\chi^2/\text{NDF}: 8.1/13$

Left: 80.299 ± 391.905 $\chi^2/\text{NDF}: 25.3/29$

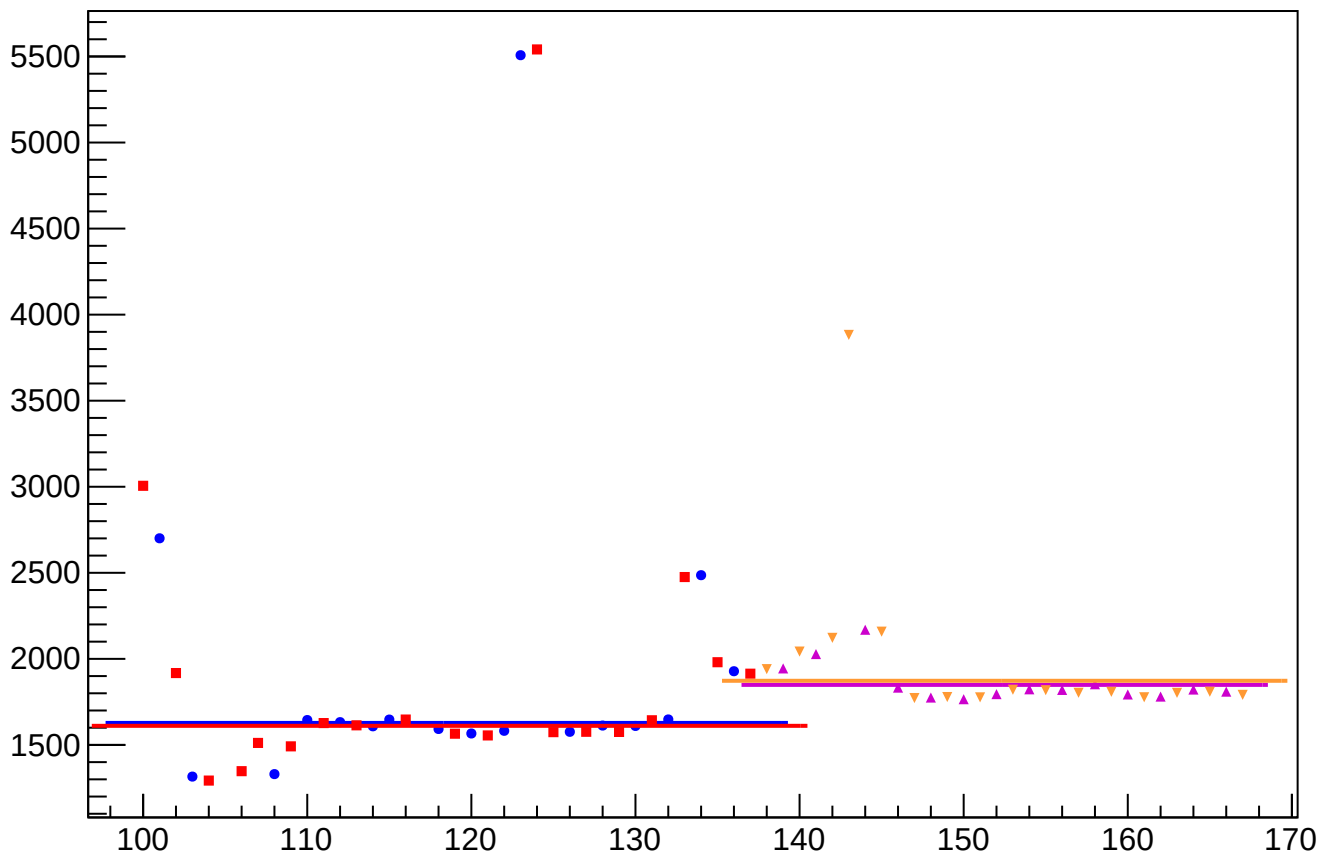
Right: 547.971 ± 448.185 $\chi^2/\text{NDF}: 24.6/35$

In: 643.125 ± 423.346 $\chi^2/\text{NDF}: 17.7/30$

Out: -57.131 ± 411.361 $\chi^2/\text{NDF}: 31.5/34$

All: 282.944 ± 295.022 $\chi^2/\text{NDF}: 50.6/65$

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836+/-0.456 χ^2/NDF : 407106.6/16

Left Out: 1872.644+/-0.387 χ^2/NDF : 440336.3/15

Right Out: 1610.948+/-0.441 χ^2/NDF : 433960.8/18

Left In: 1848.834+/-0.397 χ^2/NDF : 67606.7/13

Left: 1861.040+/-0.277 χ^2/NDF : 509787.5/29

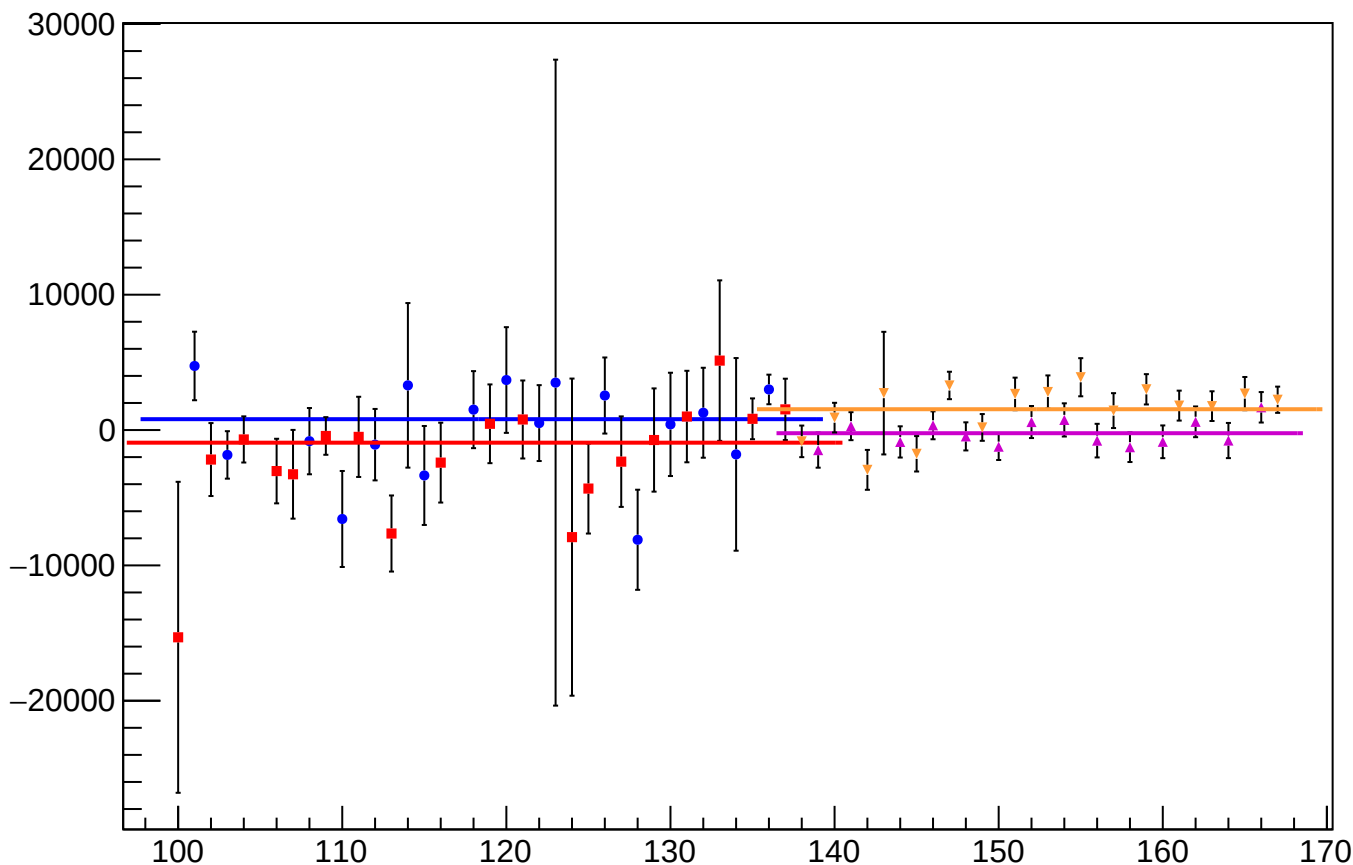
Right: 1619.112+/-0.317 χ^2/NDF : 841776.5/35

In: 1753.519+/-0.299 χ^2/NDF : 608395.7/30

Out: 1758.752+/-0.291 χ^2/NDF : 1073256.0/34

All: 1756.211+/-0.209 χ^2/NDF : 1681808.9/65

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: -233.391 ± 303.126 χ^2/NDF : 9.0/13

Left: 668.760 ± 212.342 χ^2/NDF : 59.4/29

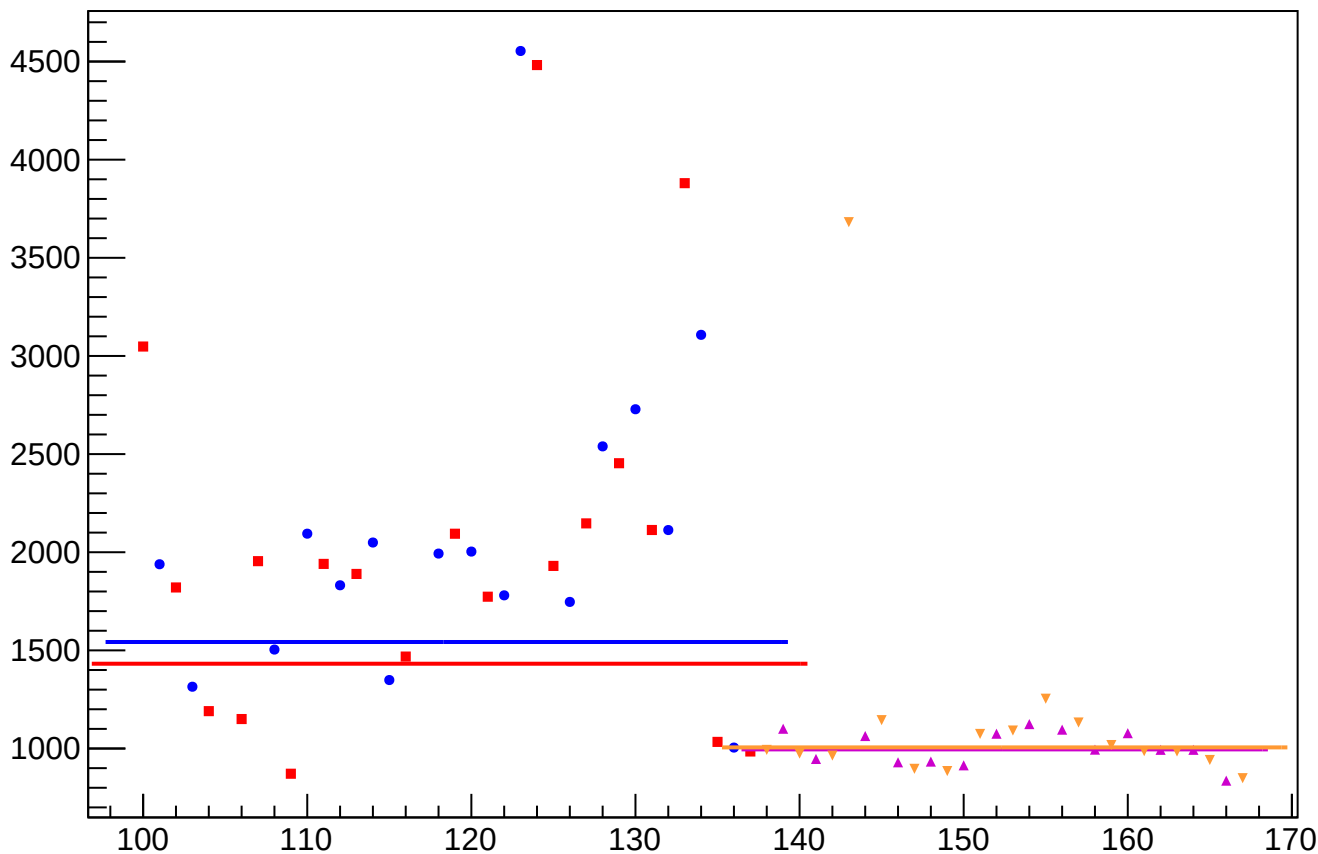
Right: -124.875 ± 431.067 χ^2/NDF : 41.7/35

In: -39.393 ± 273.288 χ^2/NDF : 33.6/30

Out: 1036.469 ± 265.647 χ^2/NDF : 62.2/34

All: 513.788 ± 190.485 χ^2/NDF : 103.8/65

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: 995.523 $\pm$ 0.214 χ^2/NDF : 147208.2/13

Left: 1000.710 $\pm$ 0.150 χ^2/NDF : 1082539.1/29

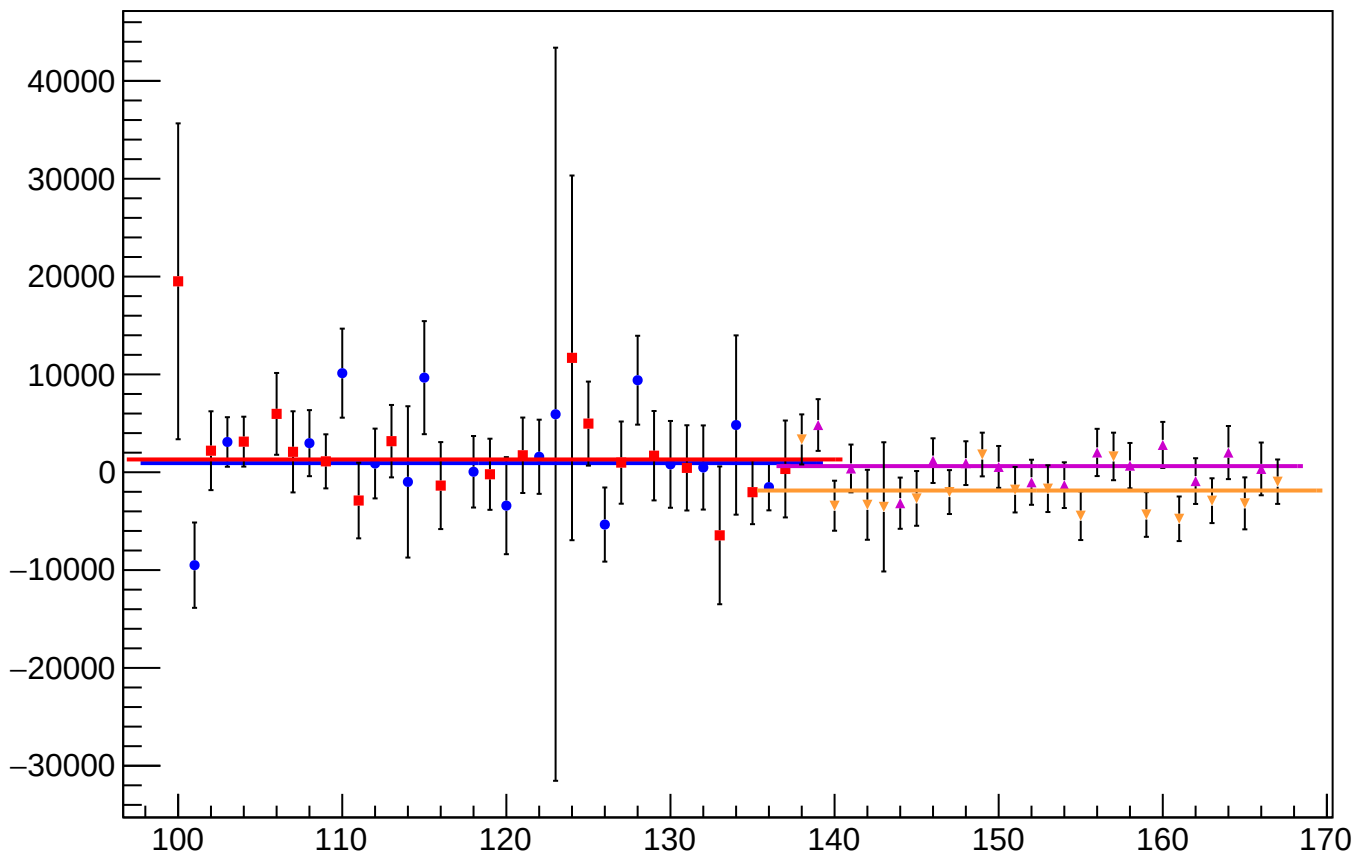
Right: 1483.562 $\pm$ 0.305 χ^2/NDF : 3144570.0/35

In: 1097.943 $\pm$ 0.193 χ^2/NDF : 2654987.2/30

Out: 1092.211 $\pm$ 0.188 χ^2/NDF : 3591048.3/34

All: 1094.996 $\pm$ 0.135 χ^2/NDF : 6246488.0/65

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: 626.283 $\pm$ 641.133 χ^2/NDF : 7.8/13

Left: -646.780 $\pm$ 448.650 χ^2/NDF : 29.6/29

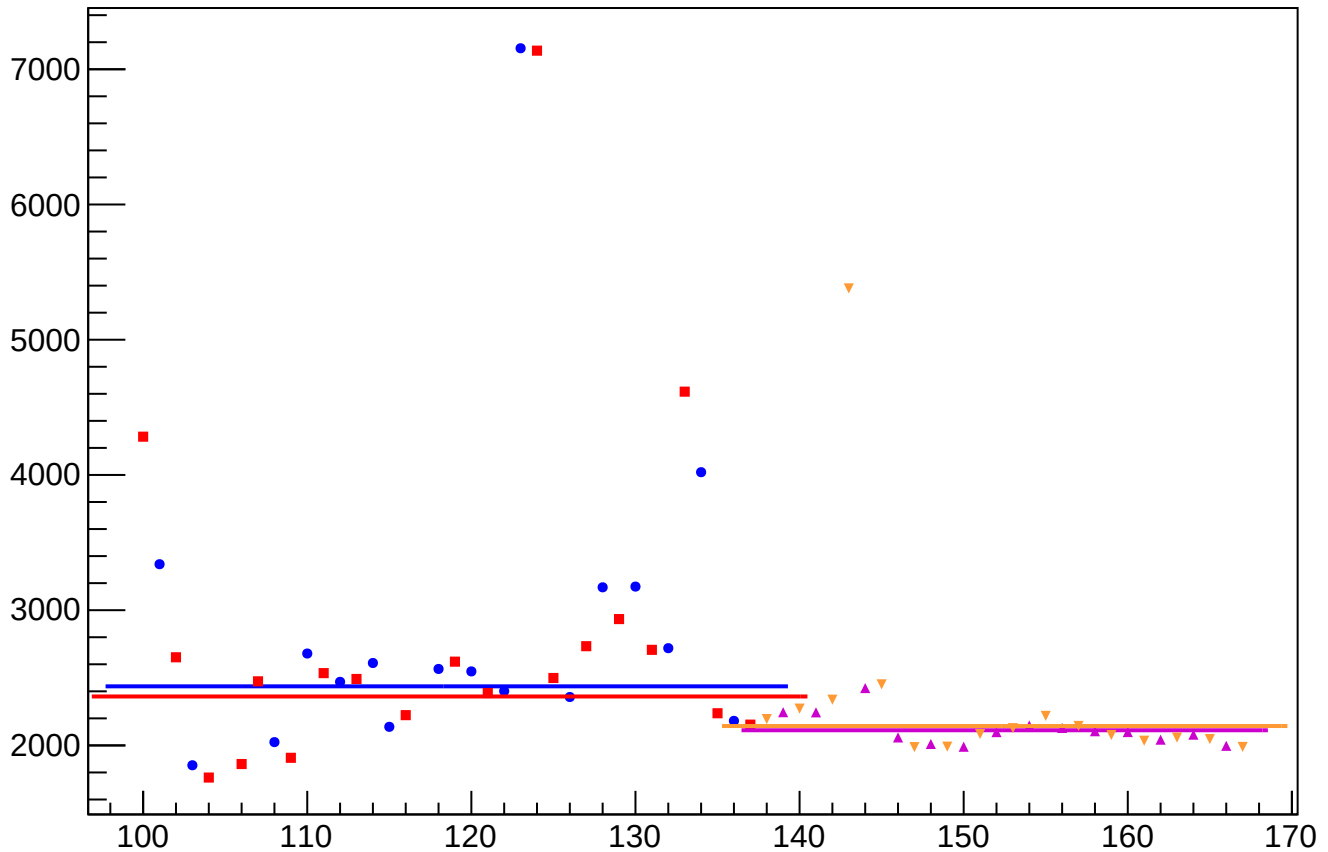
Right: 1128.728 $\pm$ 668.896 χ^2/NDF : 30.2/35

In: 719.759 $\pm$ 534.513 χ^2/NDF : 29.5/30

Out: -866.808 $\pm$ 519.670 χ^2/NDF : 30.6/34

All: -95.860 $\pm$ 372.599 χ^2/NDF : 64.6/65

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: 2112.088 $\pm$ 0.453 χ^2 /NDF: 57480.5/13

Left: 2128.024 $\pm$ 0.317 χ^2 /NDF: 619439.2/29

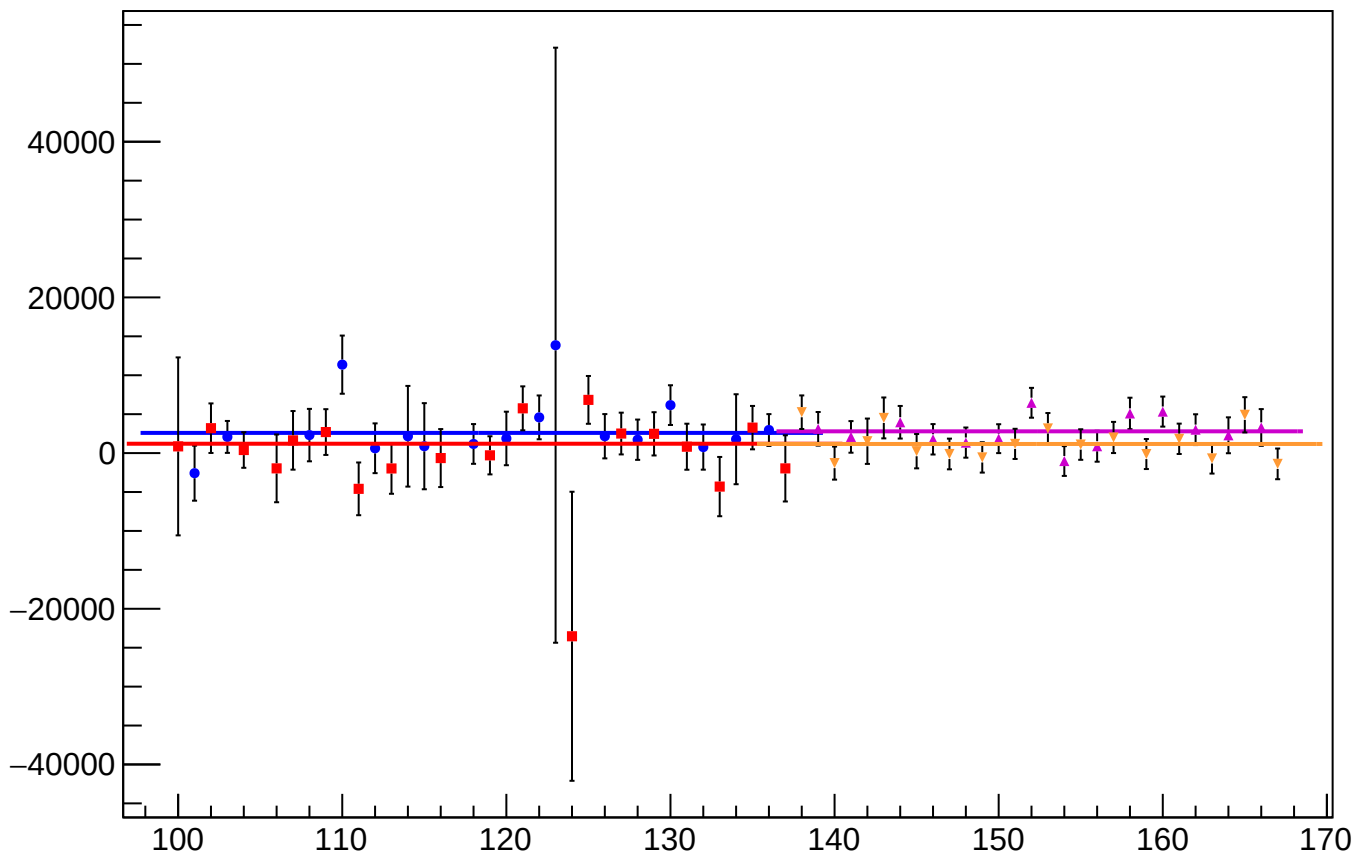
Right: 2397.684 $\pm$ 0.473 χ^2 /NDF: 1131146.9/35

In: 2211.124 $\pm$ 0.378 χ^2 /NDF: 683004.8/30

Out: 2212.239 $\pm$ 0.367 χ^2 /NDF: 1291766.5/34

All: 2211.697 $\pm$ 0.263 χ^2 /NDF: 1974775.7/65

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1171.167+/-519.592 χ^2/NDF :15.0/15

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

Left In: 2795.387+/-539.269 χ^2/NDF :13.2/13

Left: 1953.104+/-374.170 χ^2/NDF : 33.0/29

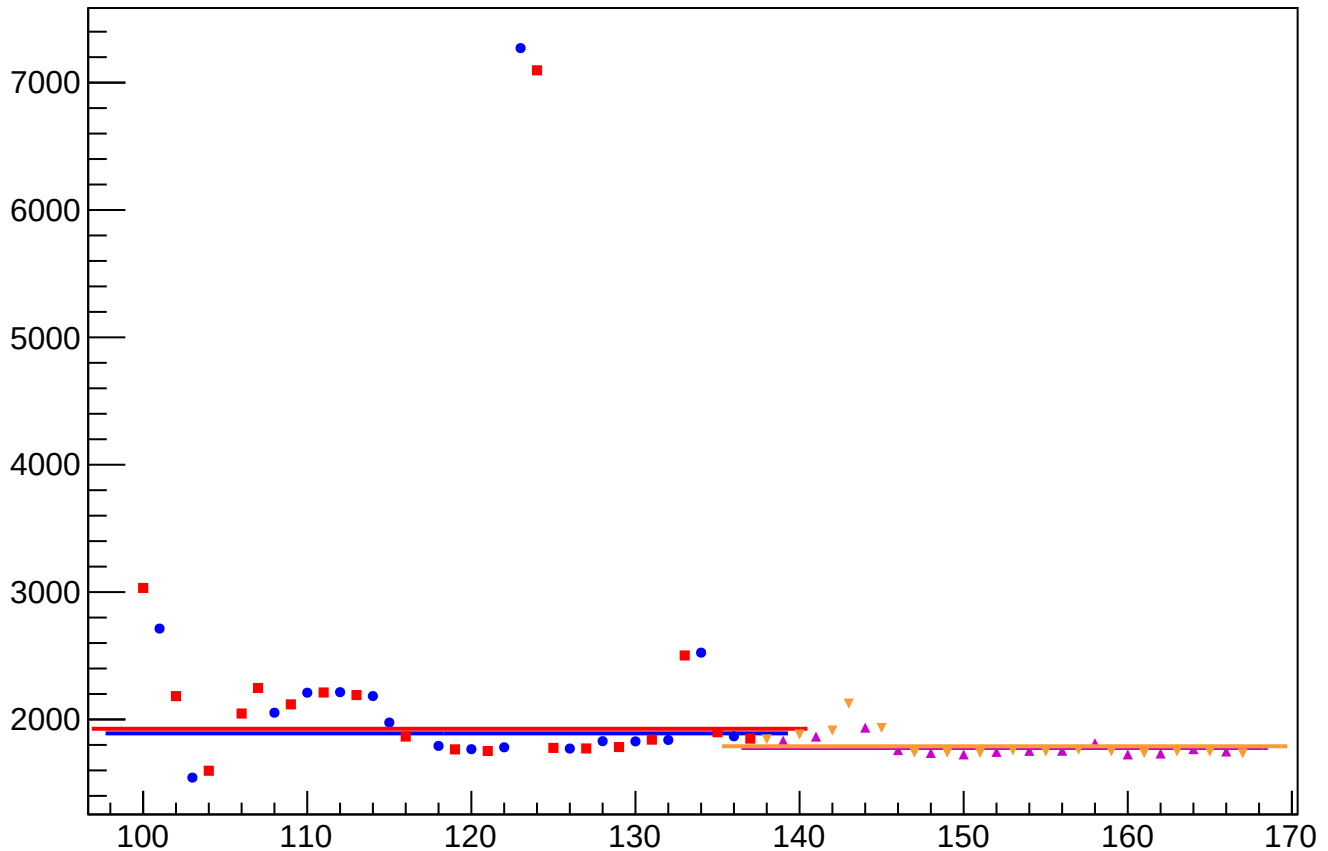
Right: 1895.439+/-524.180 χ^2/NDF : 30.7/35

In: 2726.139+/-436.432 χ^2/NDF :25.0/30

Out: 1181.537+/-425.163 χ^2/NDF :32.2/34

All: 1933.640+/-304.542 χ^2/NDF : 63.6/65

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1890.721 $\pm$ 0.525 χ^2/NDF : 288944.9/16

Left Out: 1789.505 $\pm$ 0.367 χ^2/NDF : 61218.1/15

Right Out: 1926.949 $\pm$ 0.522 χ^2/NDF : 362254.5/18

Left In: 1775.893 $\pm$ 0.381 χ^2/NDF : 23804.8/13

Left: 1782.951 $\pm$ 0.265 χ^2/NDF : 85683.8/29

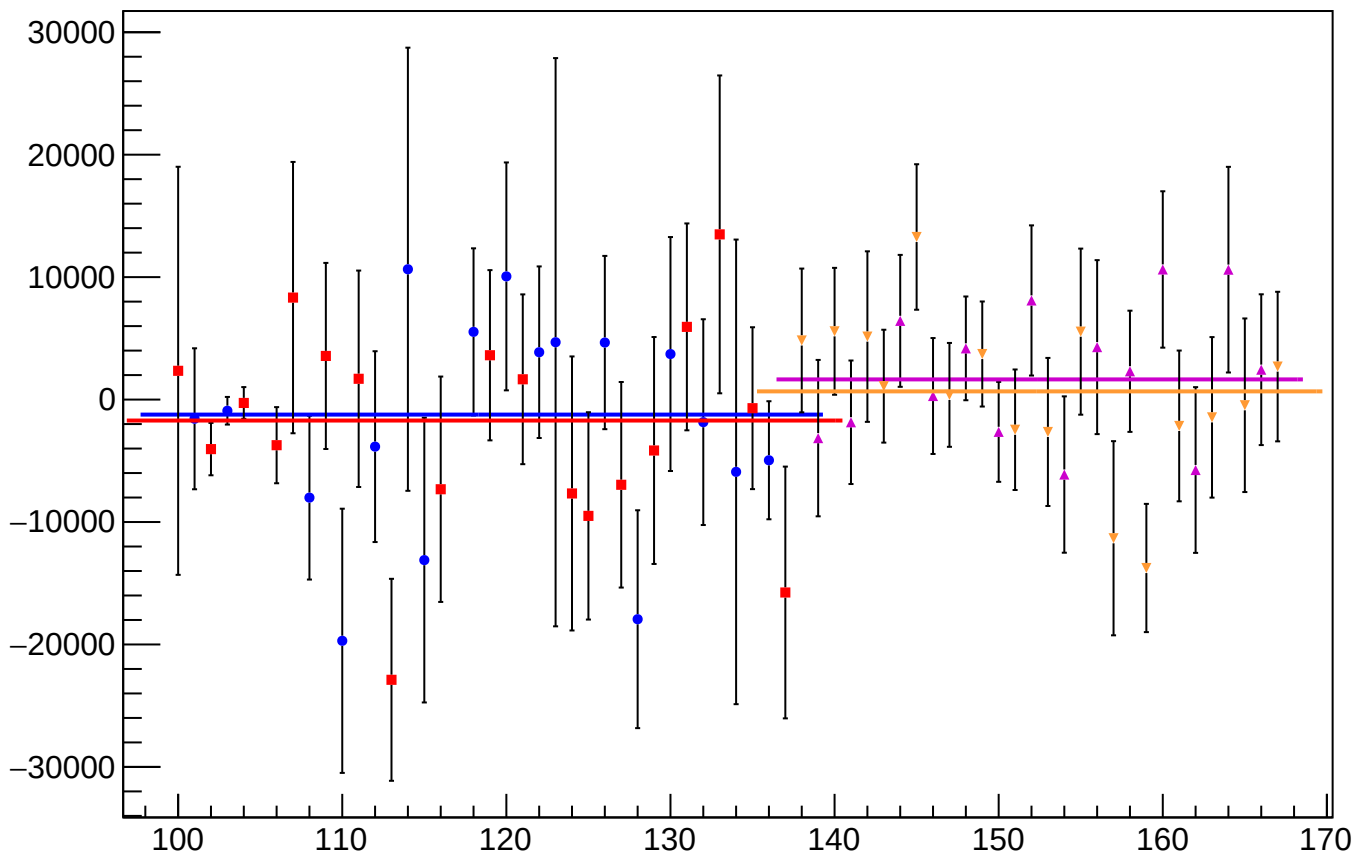
Right: 1908.946 $\pm$ 0.370 χ^2/NDF : 653591.4/35

In: 1815.512 $\pm$ 0.309 χ^2/NDF : 344037.6/30

Out: 1835.018 $\pm$ 0.300 χ^2/NDF : 469814.3/34

All: 1825.525 $\pm$ 0.215 χ^2/NDF : 815902.8/65

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 669.503 $\pm$ 1398.445 χ^2 /NDF:18.4/15

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

Left In: 1647.027 $\pm$ 1478.631 χ^2 /NDF:10.4/13

Left: 1131.042 $\pm$ 1016.016 χ^2 /NDF: 29.1/29

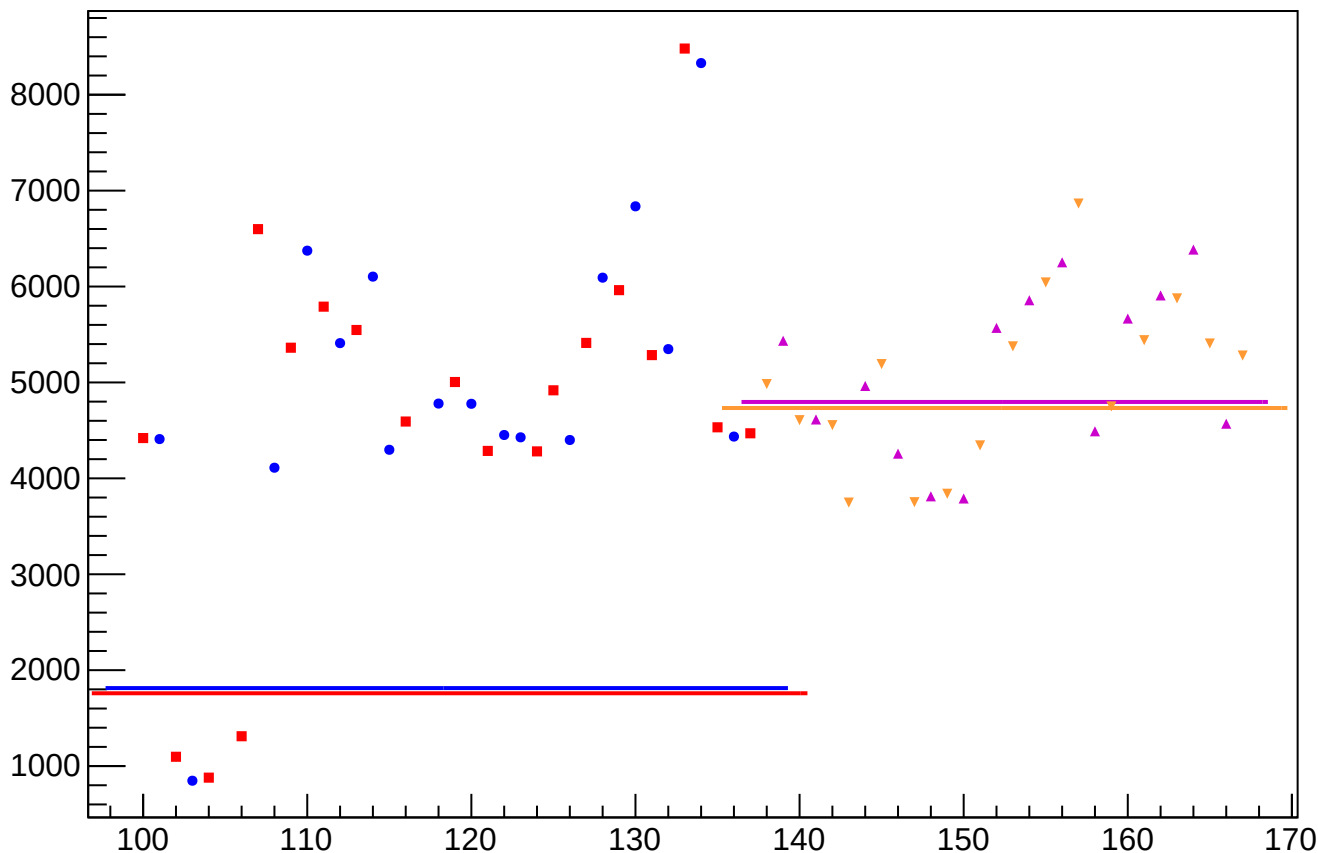
Right: -1480.155 $\pm$ 680.499 χ^2 /NDF: 31.8/35

In: -344.055 $\pm$ 819.534 χ^2 /NDF:26.9/30

Out: -968.965 $\pm$ 781.041 χ^2 /NDF:38.2/34

All: -671.530 $\pm$ 565.398 χ^2 /NDF: 65.4/65

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195 $\pm$ 0.696 χ^2 /NDF: 6449038.4/16

Left Out: 4733.435 $\pm$ 0.989 χ^2 /NDF: 679160.3/15

Right Out: 1759.135 $\pm$ 0.666 χ^2 /NDF: 6313068.7/18

Left In: 4796.518 $\pm$ 1.046 χ^2 /NDF: 623834.0/13

Left: 4763.220 $\pm$ 0.718 χ^2 /NDF: 1304915.7/29

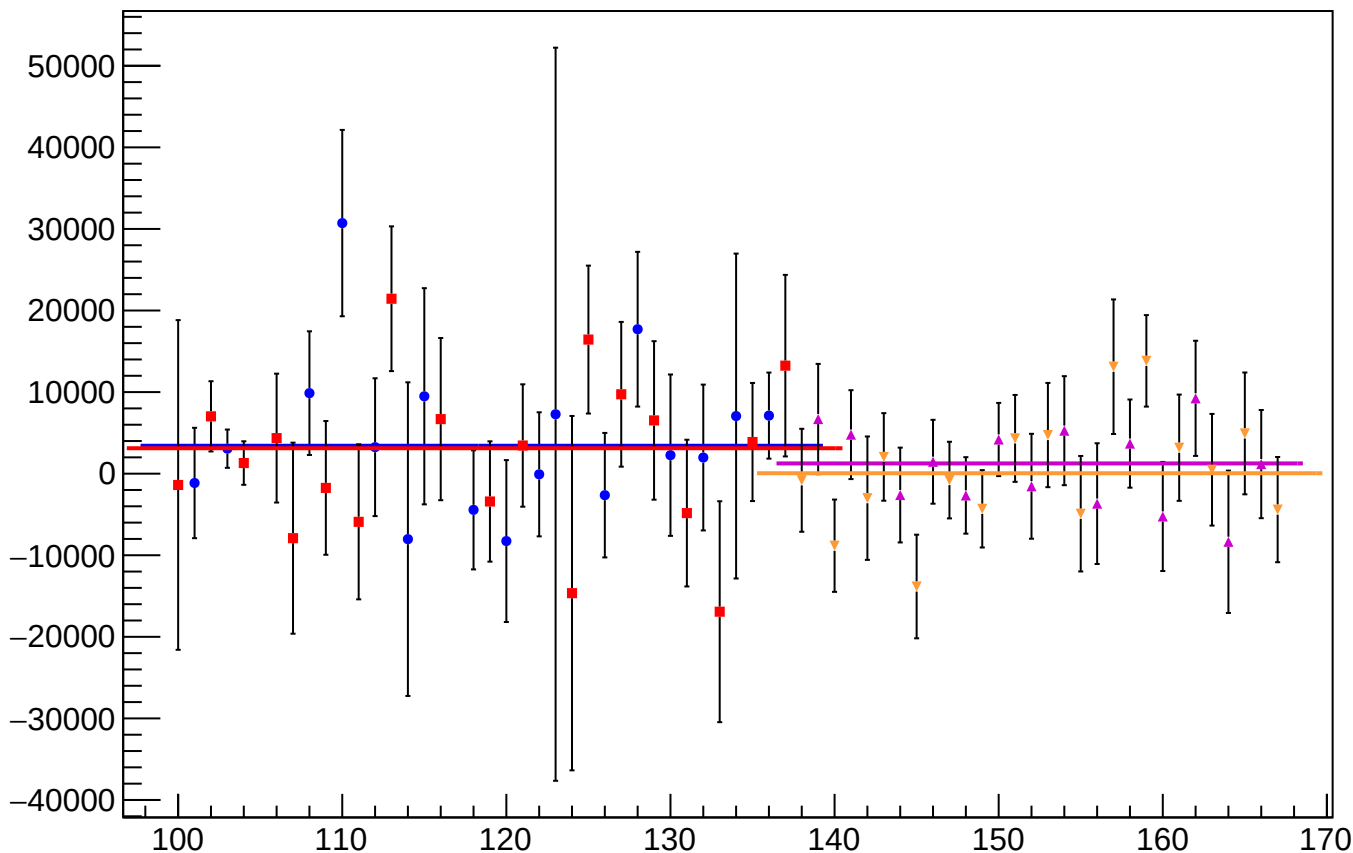
Right: 1784.958 $\pm$ 0.481 χ^2 /NDF: 12765256.3/35

In: 2729.656 $\pm$ 0.579 χ^2 /NDF: 12713426.4/30

Out: 2686.907 $\pm$ 0.552 χ^2 /NDF: 13217259.3/34

All: 2707.254 $\pm$ 0.400 χ^2 /NDF: 25933537.4/66

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: 1257.176+/-1589.871 χ^2/NDF : 7.3/13

Left: 625.470+/-1096.399 χ^2/NDF : 27.4/29

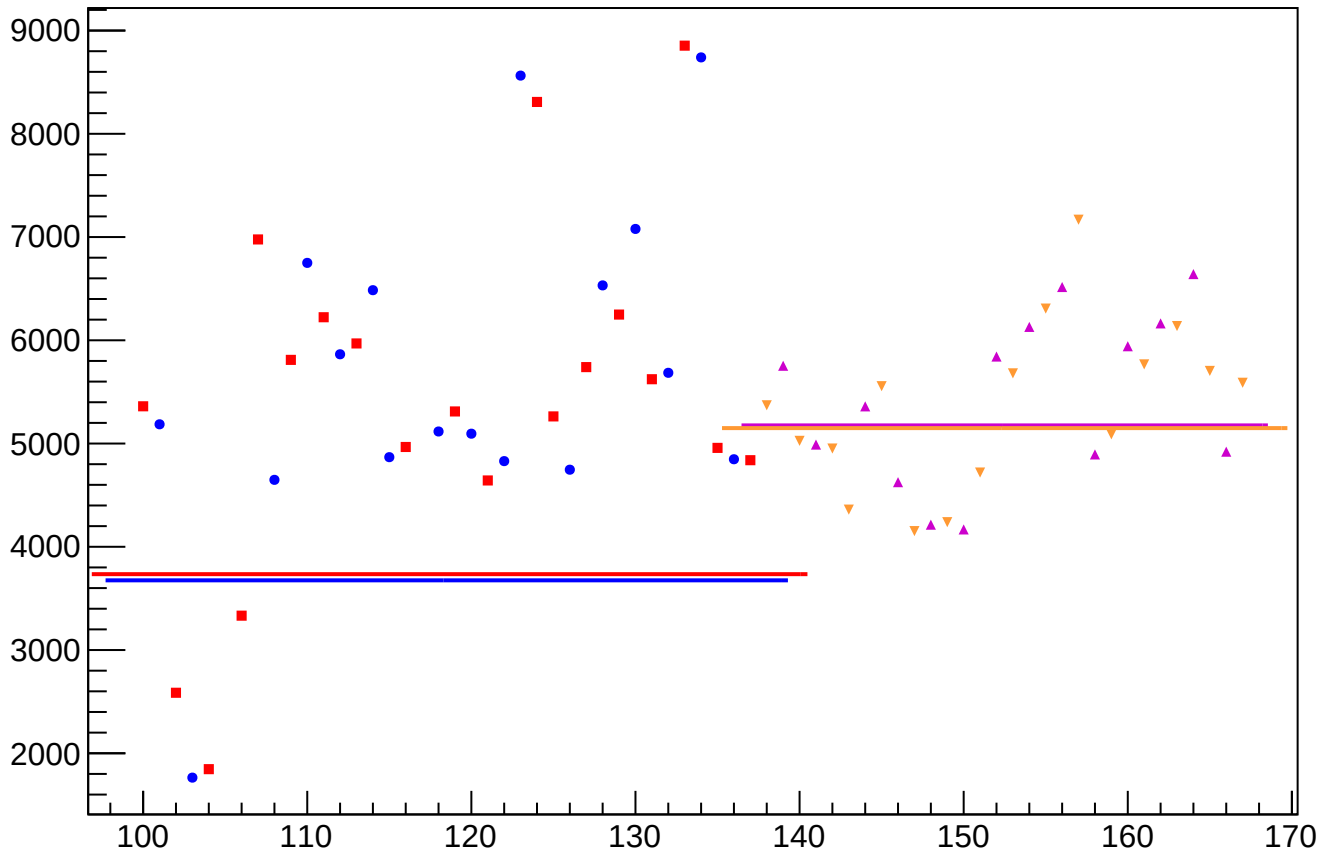
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2327.842+/-1130.104 χ^2/NDF : 21.9/30

Out: 1494.993+/-1101.624 χ^2/NDF : 37.7/34

All: 1900.791+/-788.842 χ^2/NDF : 59.9/65

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2 /NDF: 2775085.7/16

Left Out: 5149.464 $\pm$ 1.071 χ^2 /NDF: 500655.1/15

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

Left In: 5175.684 $\pm$ 1.124 χ^2 /NDF: 485025.2/13

Left: 5161.934 $\pm$ 0.775 χ^2 /NDF: 985965.6/29

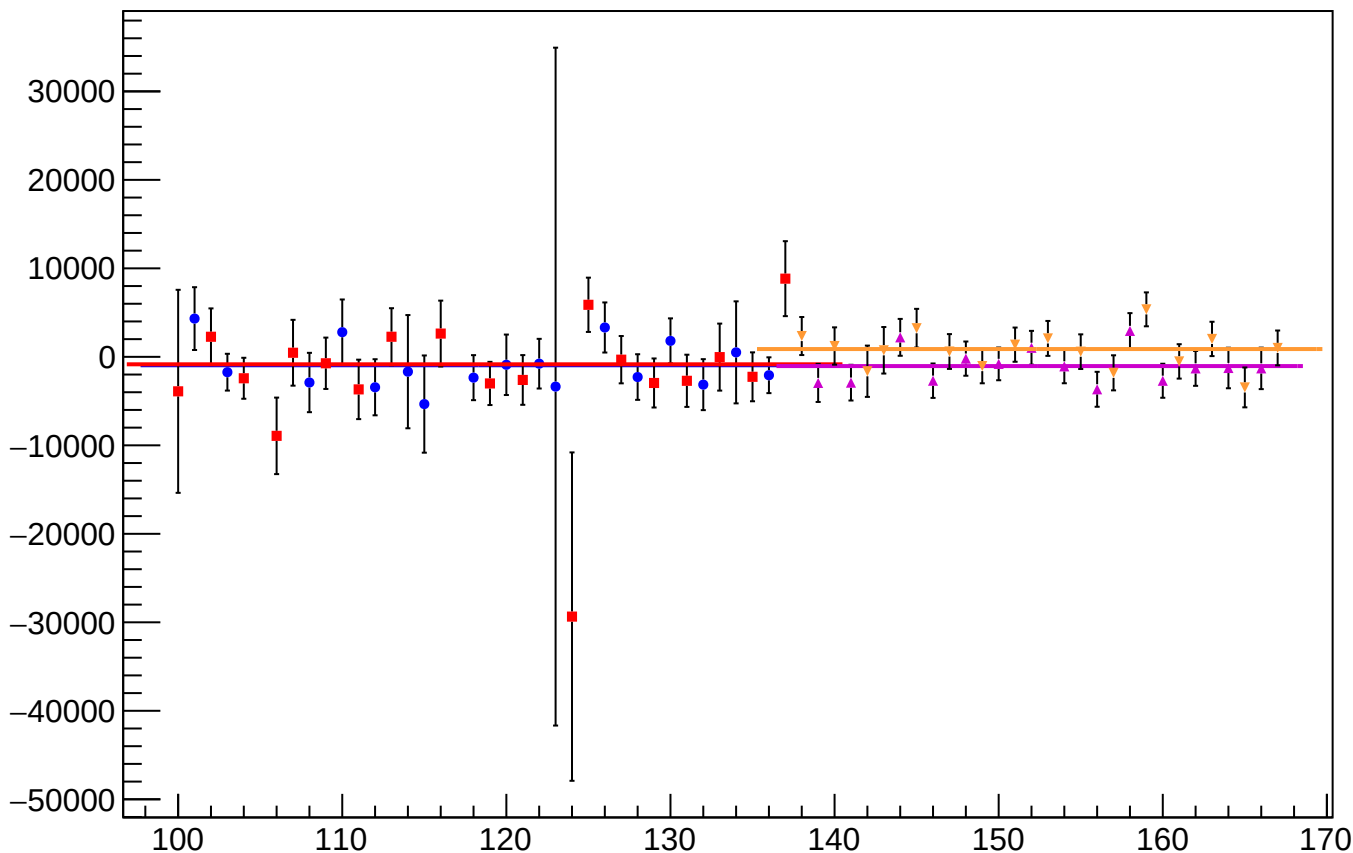
Right: 3705.112 $\pm$ 0.800 χ^2 /NDF: 5470409.5/35

In: 4433.234 $\pm$ 0.799 χ^2 /NDF: 4141692.2/30

Out: 4479.082 $\pm$ 0.777 χ^2 /NDF: 4022066.2/34

All: 4456.815 $\pm$ 0.557 χ^2 /NDF: 8165451.4/65

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: -1043.240 ± 536.999 χ^2/NDF : 12.6/13

Left: -45.481 ± 372.605 χ^2/NDF : 35.0/29

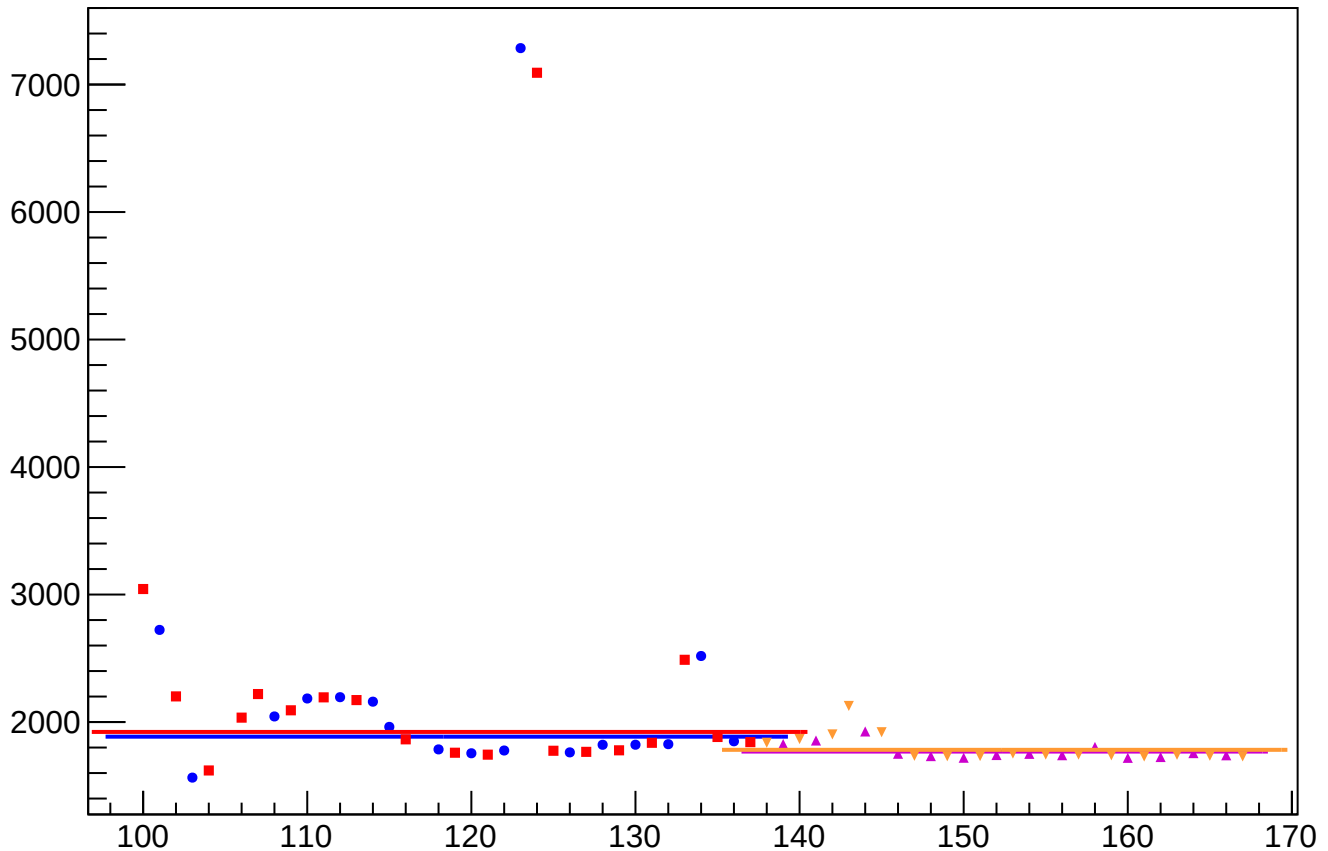
Right: -897.217 ± 522.617 χ^2/NDF : 32.5/35

In: -1011.589 ± 434.756 χ^2/NDF : 22.6/30

Out: 312.088 ± 423.582 χ^2/NDF : 41.9/34

All: -332.521 ± 303.391 χ^2/NDF : 69.3/65

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1782.110+/-0.366 χ^2/NDF : 61447.9/15

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

Left In: 1768.447+/-0.380 χ^2/NDF : 23104.7/13

Left: 1775.532+/-0.263 χ^2/NDF : 85224.0/29

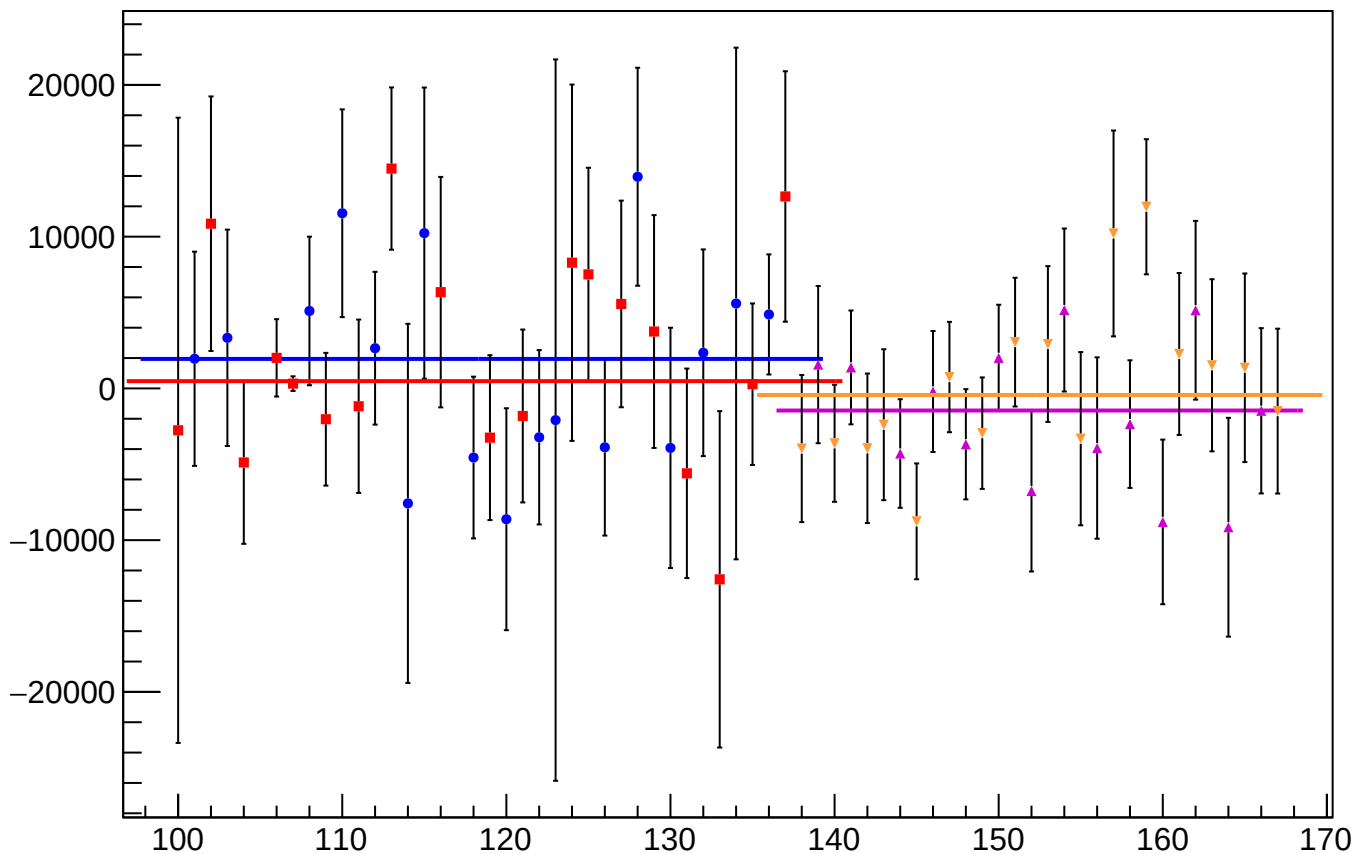
Right: 1904.057+/-0.369 χ^2/NDF : 634475.3/35

In: 1808.728+/-0.307 χ^2/NDF : 336196.8/30

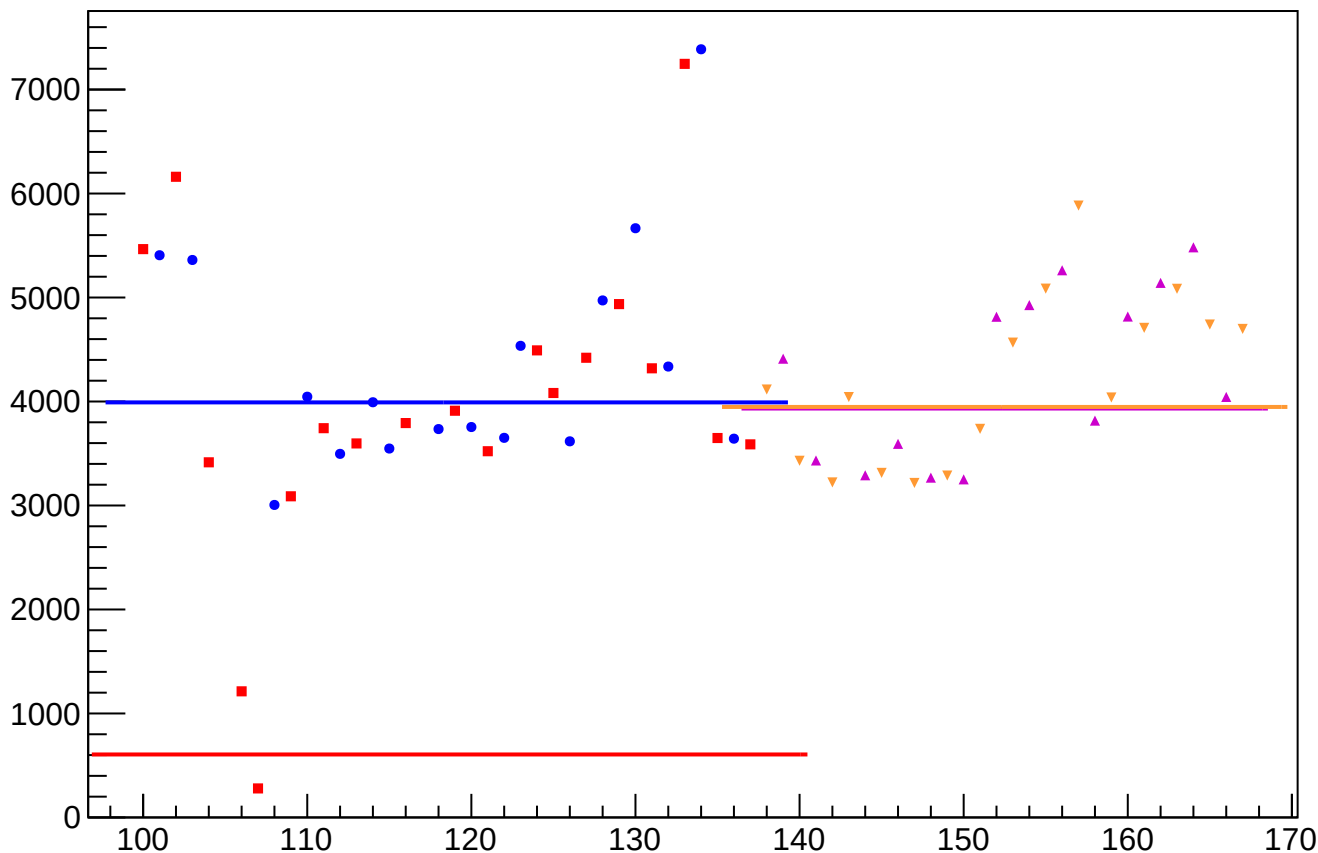
Out: 1828.528+/-0.299 χ^2/NDF : 461652.5/34

All: 1818.891+/-0.214 χ^2/NDF : 799978.4/65

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



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: 3932.315+/-0.859 χ^2/NDF : 729435.2/13

Left: 3940.285+/-0.596 χ^2/NDF : 1481605.7/29

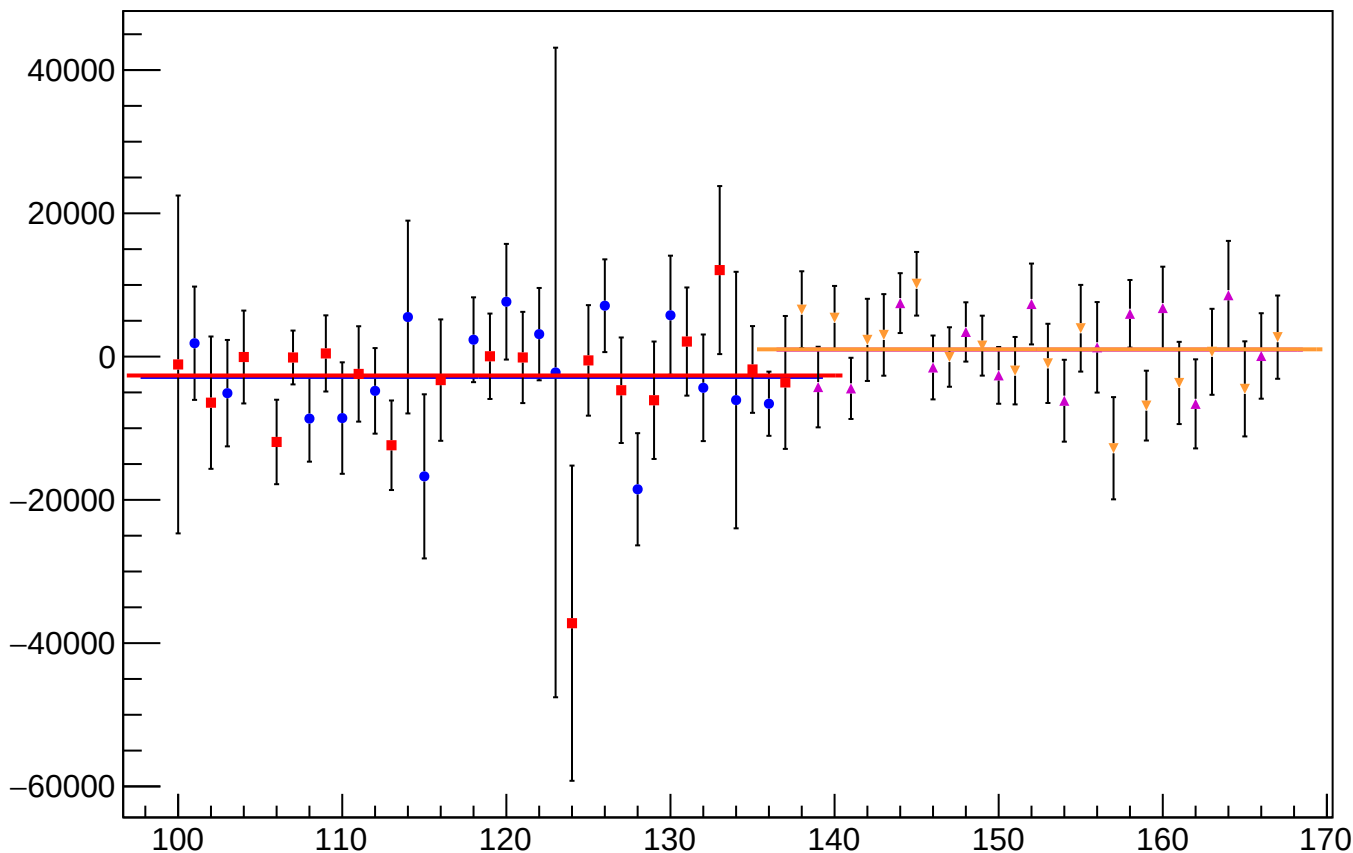
Right: 863.300+/-0.308 χ^2/NDF : 19230863.1/35

In: 3954.260+/-0.681 χ^2/NDF : 1241974.9/30

Out: 1043.376+/-0.299 χ^2/NDF : 25210141.8/34

All: 1513.706+/-0.274 χ^2/NDF : 41759752.0/6

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: 973.219 ± 1349.176 $\chi^2/\text{NDF}: 13.8/13$

Left: 995.191 ± 936.975 $\chi^2/\text{NDF}: 29.0/29$

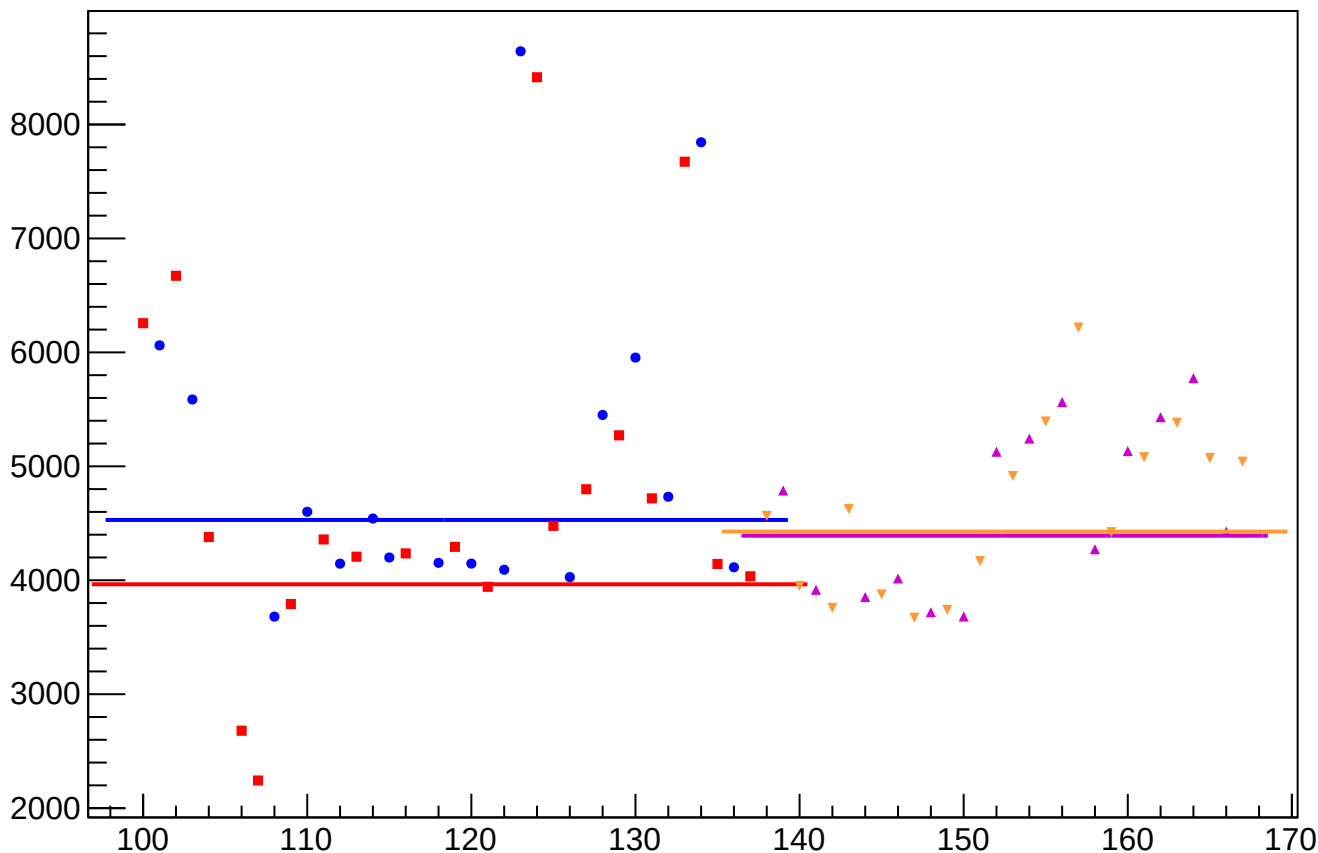
Right: -2725.676 ± 1181.334 $\chi^2/\text{NDF}: 26.6/35$

In: -412.048 ± 1076.539 $\chi^2/\text{NDF}: 32.2/30$

Out: -467.389 ± 1003.641 $\chi^2/\text{NDF}: 29.5/34$

All: -441.656 ± 734.101 $\chi^2/\text{NDF}: 61.6/65$

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: 4391.333 $\pm$ 0.954 χ^2 /NDF:503303.1/13

Left: 4409.877 $\pm$ 0.663 χ^2 /NDF: 1025445.0/29

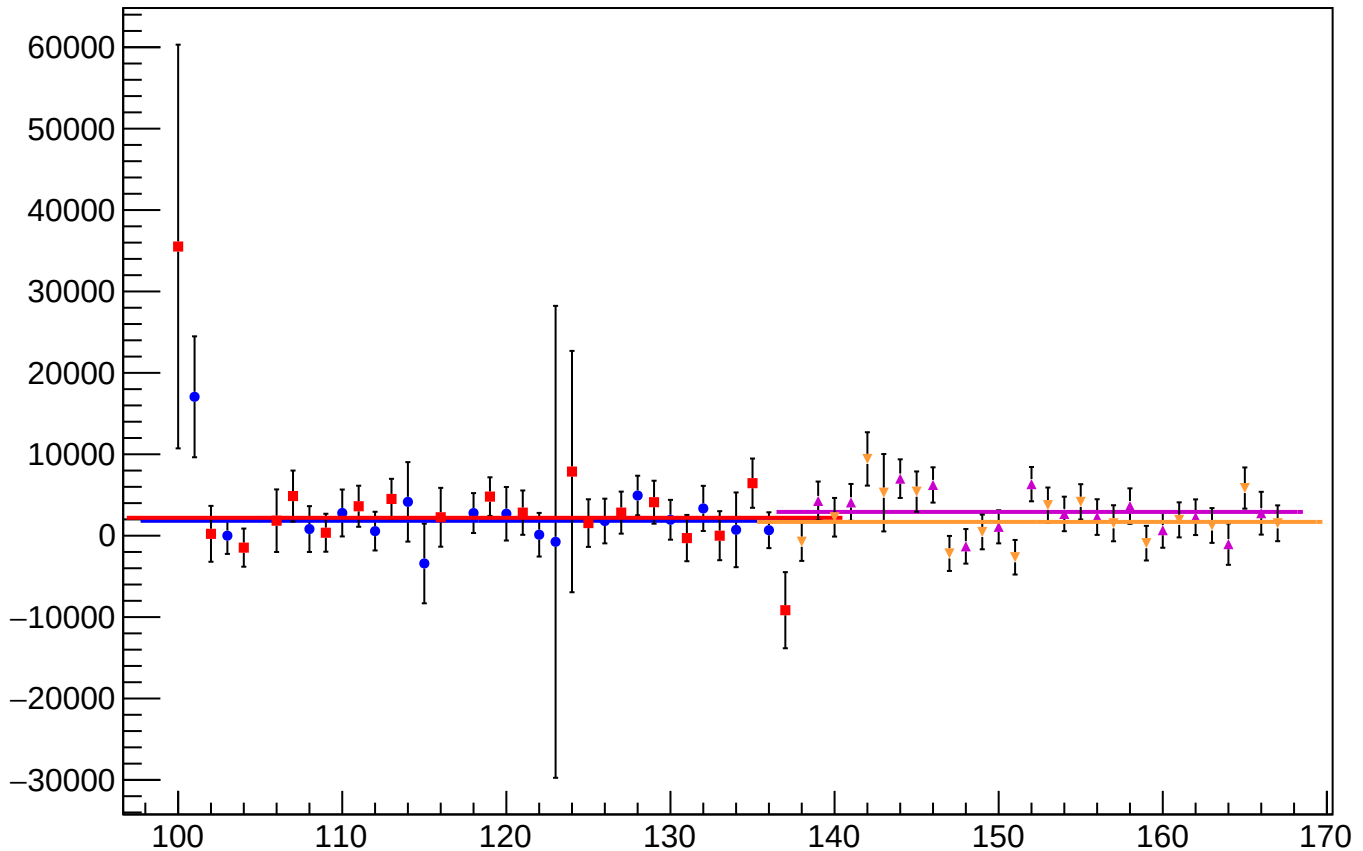
Right: 4210.073 $\pm$ 0.832 χ^2 /NDF: 1642804.6/35

In: 4441.518 $\pm$ 0.761 χ^2 /NDF:900245.6/30

Out: 4238.013 $\pm$ 0.708 χ^2 /NDF:1764950.7/34

All: 4332.378 $\pm$ 0.518 χ^2 /NDF: 2703525.3/65

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 1692.532 $\pm$ 580.820 χ^2 /NDF:23.7/15

Right Out: 2198.063 $\pm$ 684.205 χ^2 /NDF: 18.3/18

Left In: 2918.114 $\pm$ 596.190 χ^2 /NDF:17.1/13

Left: 2289.321 $\pm$ 416.030 χ^2 /NDF: 43.0/29

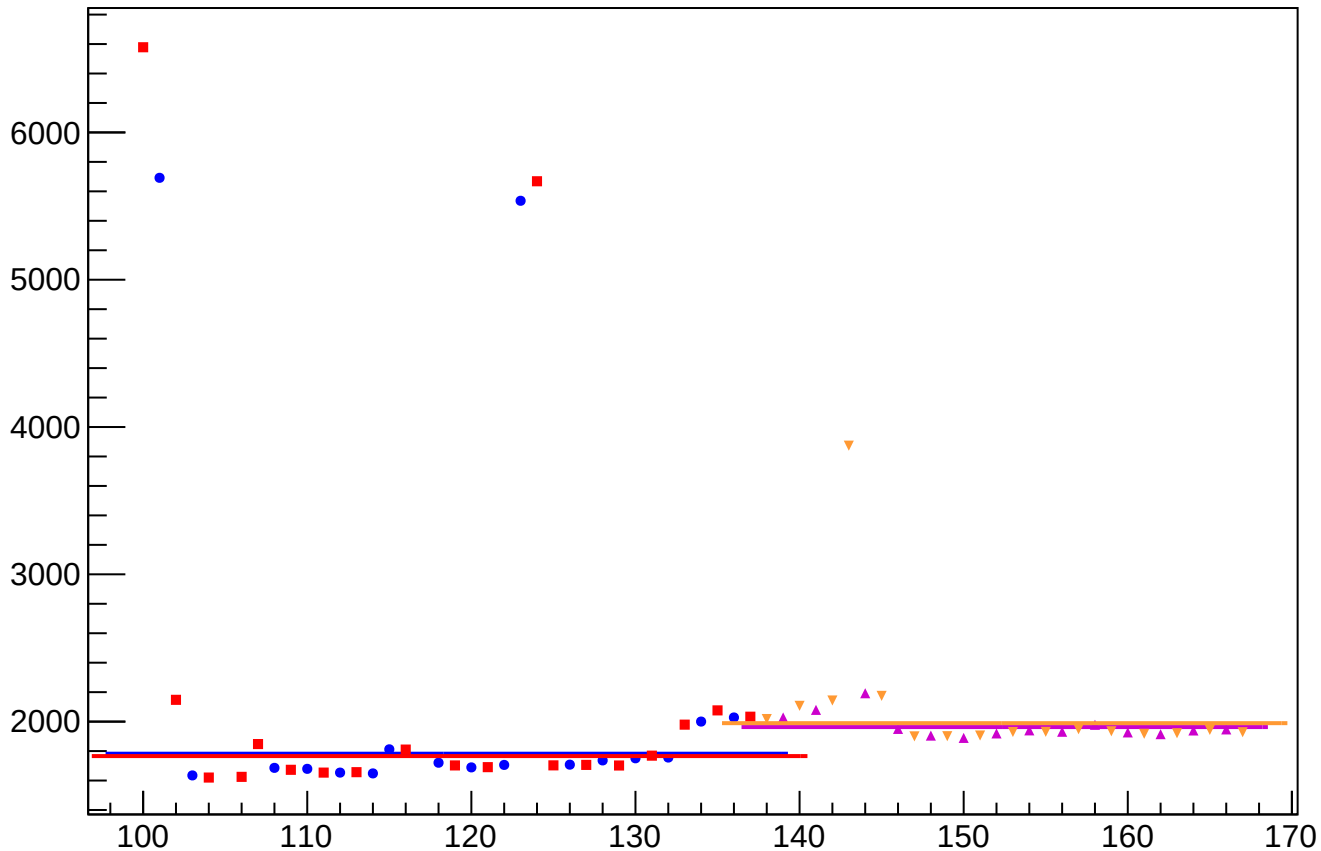
Right: 2021.233 $\pm$ 493.118 χ^2 /NDF: 28.2/35

In: 2469.184 $\pm$ 456.927 χ^2 /NDF:28.1/30

Out: 1904.257 $\pm$ 442.790 χ^2 /NDF:42.4/34

All: 2177.847 $\pm$ 317.980 χ^2 /NDF: 71.3/65

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: 1963.035+/-0.422 χ^2/NDF : 33065.7/13

Left: 1976.618+/-0.294 χ^2/NDF : 391621.8/29

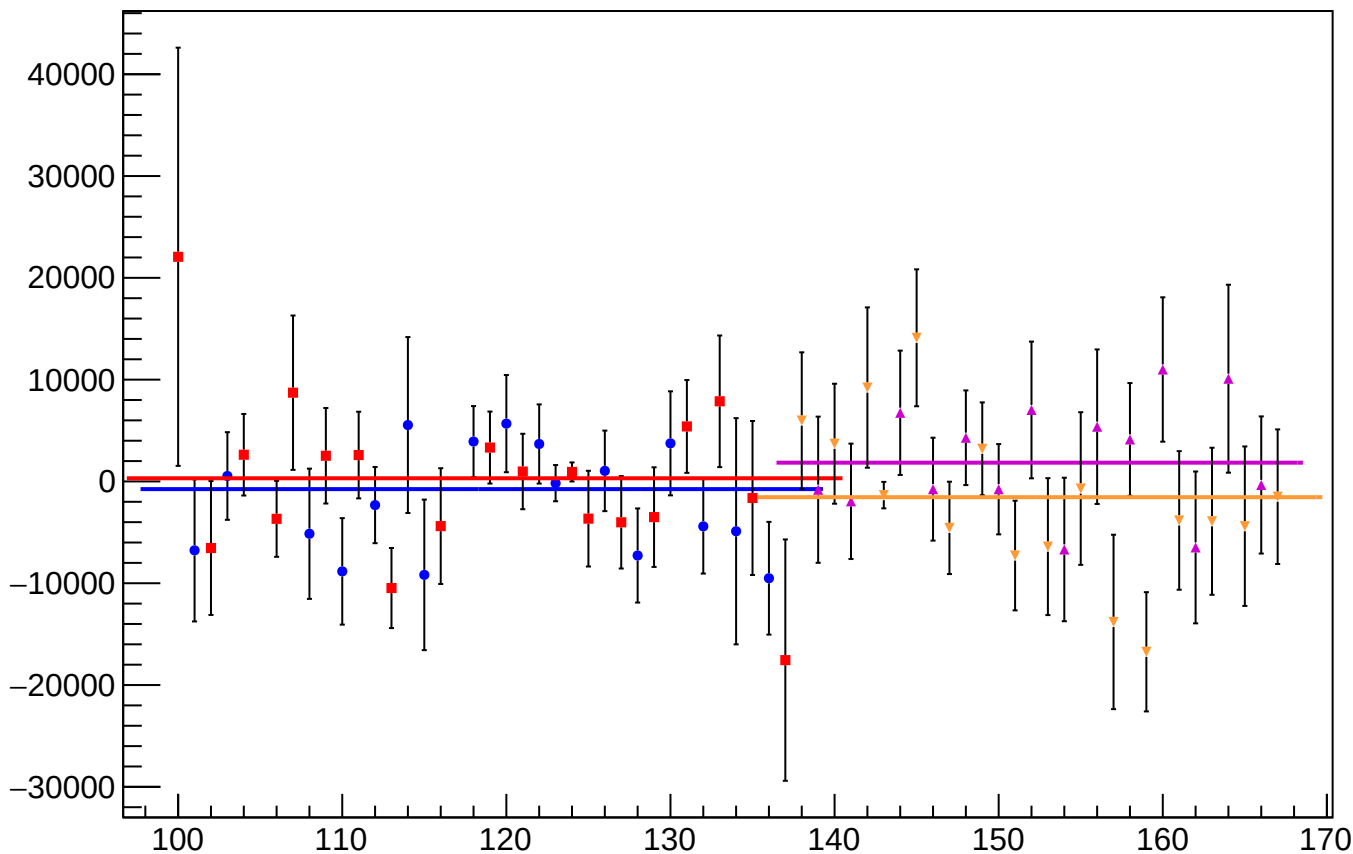
Right: 1773.682+/-0.347 χ^2/NDF : 952527.4/35

In: 1888.394+/-0.323 χ^2/NDF : 754230.0/30

Out: 1895.138+/-0.312 χ^2/NDF : 788400.2/34

All: 1891.882+/-0.225 χ^2/NDF : 1542855.5/65

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: 1844.180+/-1627.534 χ^2/NDF : 8.4/13

Left: -599.589+/-859.630 χ^2/NDF : 33.2/29

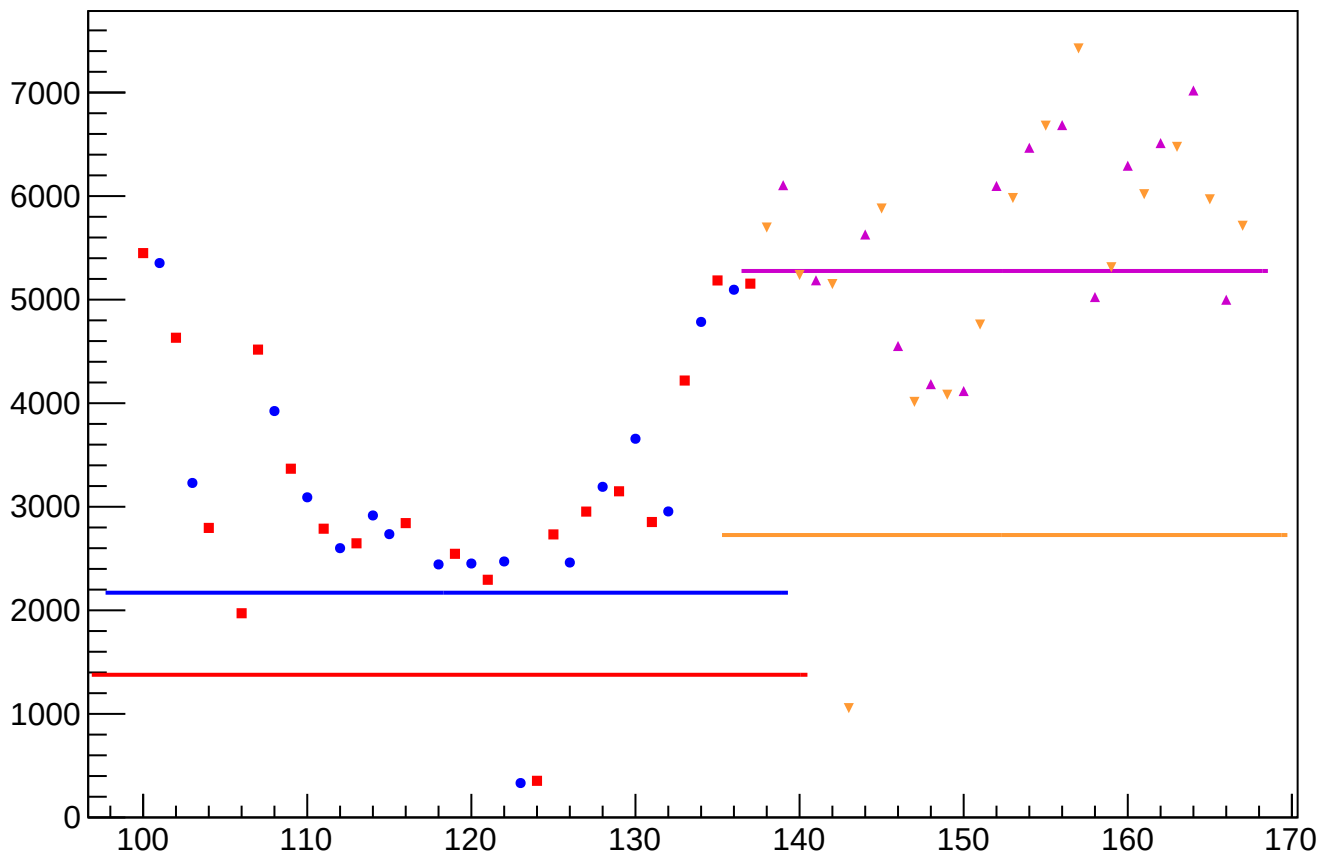
Right: -51.479+/-588.747 χ^2/NDF : 39.7/35

In: -32.728+/-857.276 χ^2/NDF : 27.2/30

Out: -318.111+/-589.508 χ^2/NDF : 45.9/34

All: -226.488+/-485.745 χ^2/NDF : 73.1/65

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 2727.140 $\pm$ 0.716 χ^2 /NDF: 9091527.3/15

Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

Left In: 5276.886 $\pm$ 1.151 χ^2 /NDF: 652604.6/13

Left: 3438.451 $\pm$ 0.608 χ^2 /NDF: 13283411.5/29

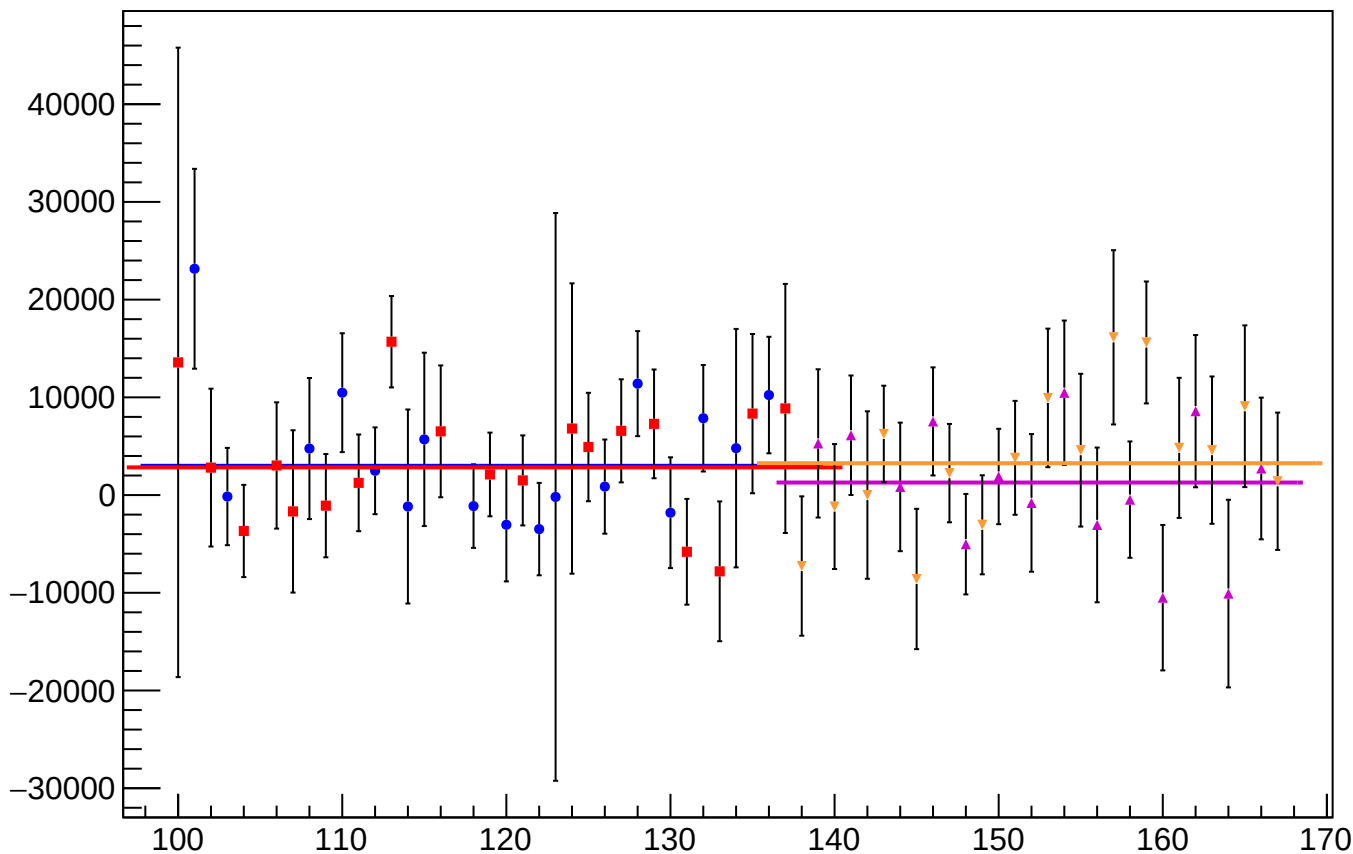
Right: 1647.801 $\pm$ 0.416 χ^2 /NDF: 11635181.2/35

In: 3032.172 $\pm$ 0.606 χ^2 /NDF: 9891617.4/30

Out: 1835.285 $\pm$ 0.417 χ^2 /NDF: 18287380.6/34

All: 2219.548 $\pm$ 0.343 χ^2 /NDF: 30825864.3/66

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: 1282.486 $\pm$ 1749.396 χ^2/NDF : 10.6/13

Left: 2336.553 $\pm$ 1195.888 χ^2/NDF : 26.3/29

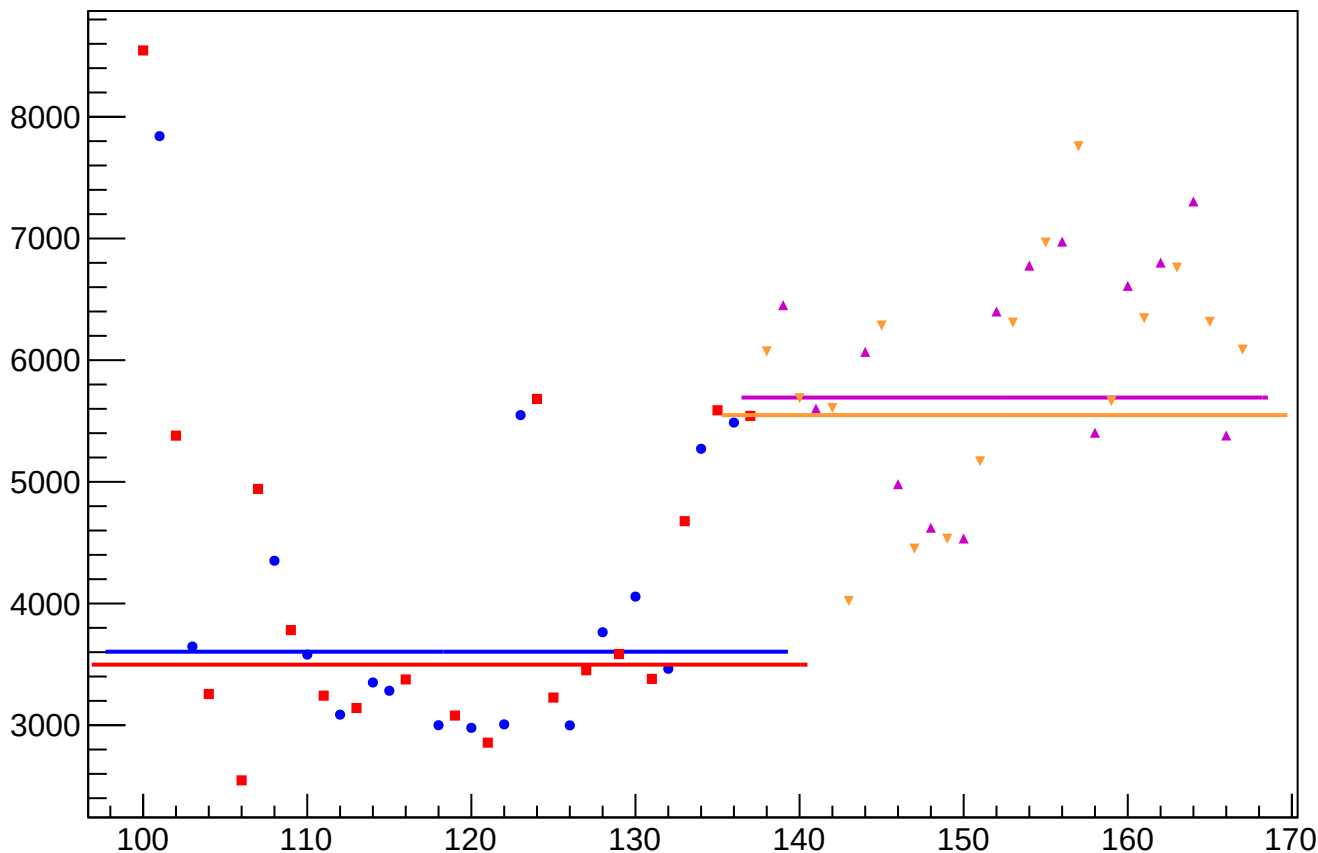
Right: 2909.269 $\pm$ 998.385 χ^2/NDF : 33.4/35

In: 2297.896 $\pm$ 1115.100 χ^2/NDF : 26.8/30

Out: 3010.817 $\pm$ 1055.119 χ^2/NDF : 32.8/34

All: 2674.046 $\pm$ 766.409 χ^2/NDF : 59.9/65

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5548.365+/-1.159 χ^2/NDF : 725859.2/15

Right Out: 3497.586+/-0.962 χ^2/NDF : 661898.6/18

Left In: 5692.698+/-1.237 χ^2/NDF : 510748.3/13

Left: 5615.813+/-0.846 χ^2/NDF : 1243859.5/29

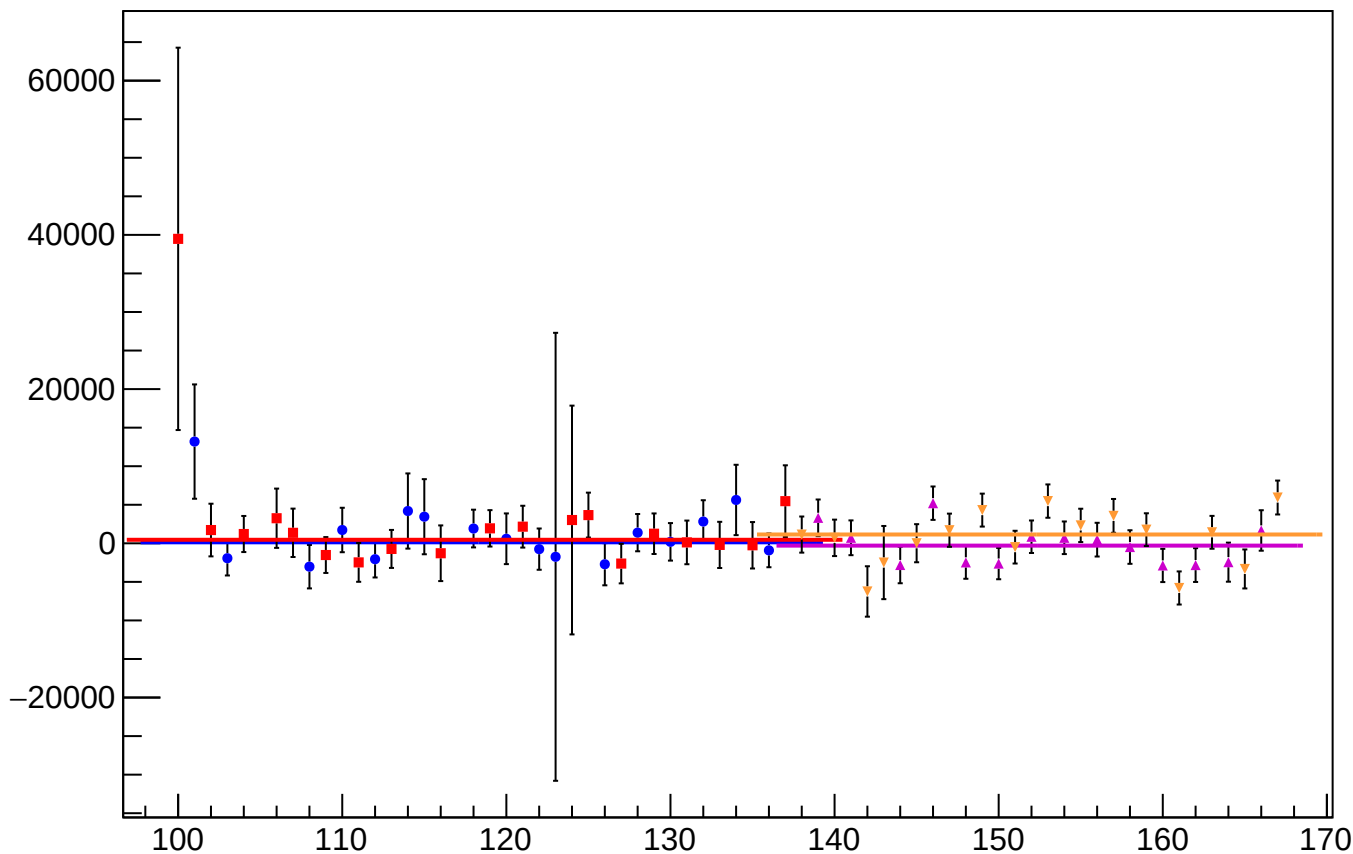
Right: 3547.455+/-0.701 χ^2/NDF : 1452308.2/35

In: 4452.598+/-0.788 χ^2/NDF : 2988202.1/30

Out: 4334.072+/-0.740 χ^2/NDF : 3242852.6/34

All: 4389.576+/-0.540 χ^2/NDF : 6243069.5/65

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: -297.691 $\pm$ 595.186 χ^2 /NDF:17.1/13

Left: 443.041 $\pm$ 415.191 χ^2 /NDF: 52.9/29

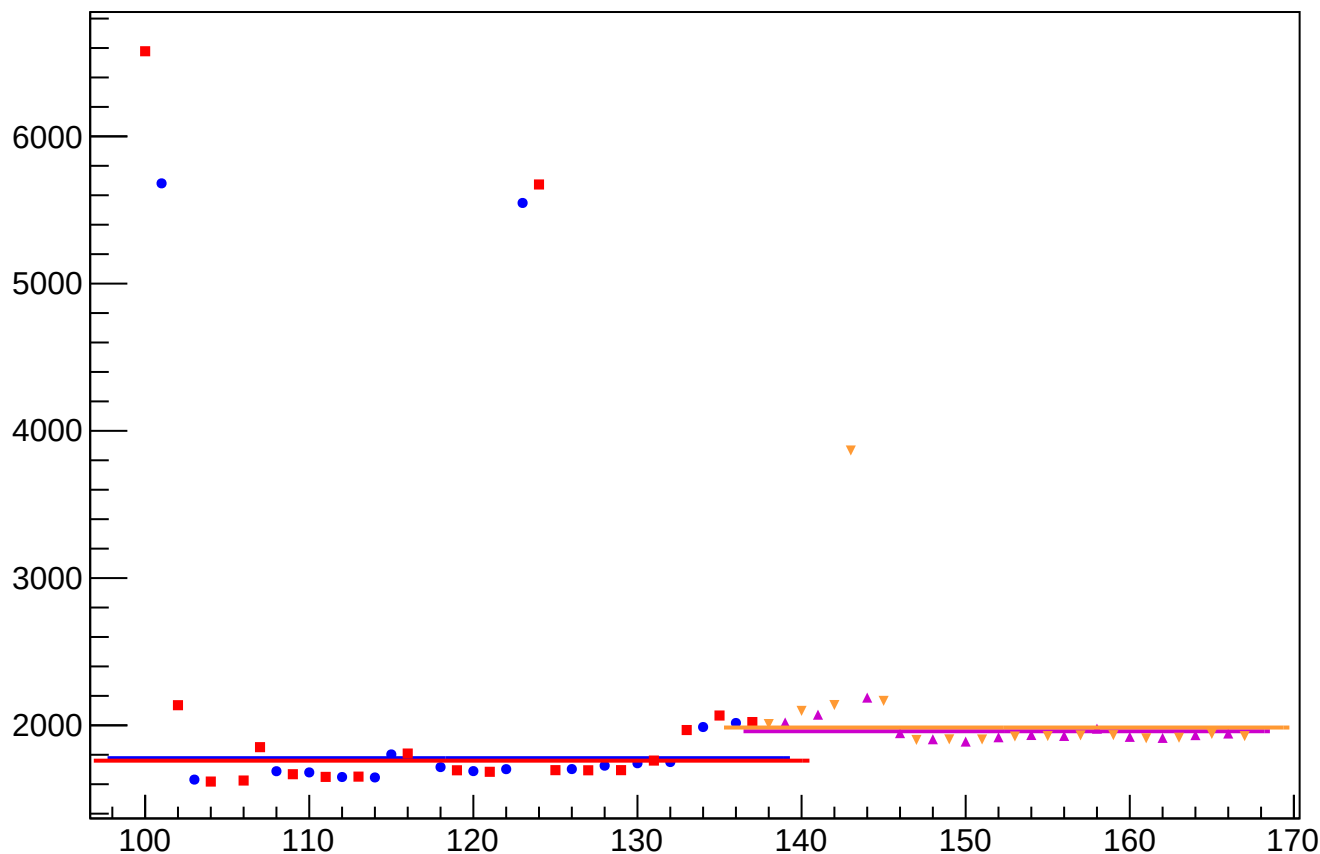
Right: 301.426 $\pm$ 491.524 χ^2 /NDF: 23.0/35

In: -120.570 $\pm$ 455.910 χ^2 /NDF:29.5/30

Out: 857.424 $\pm$ 441.550 χ^2 /NDF:44.1/34

All: 384.072 $\pm$ 317.178 χ^2 /NDF: 76.0/65

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: 1959.799+/-0.421 χ^2/NDF : 31955.6/13

Left: 1972.743+/-0.294 χ^2/NDF : 388841.8/29

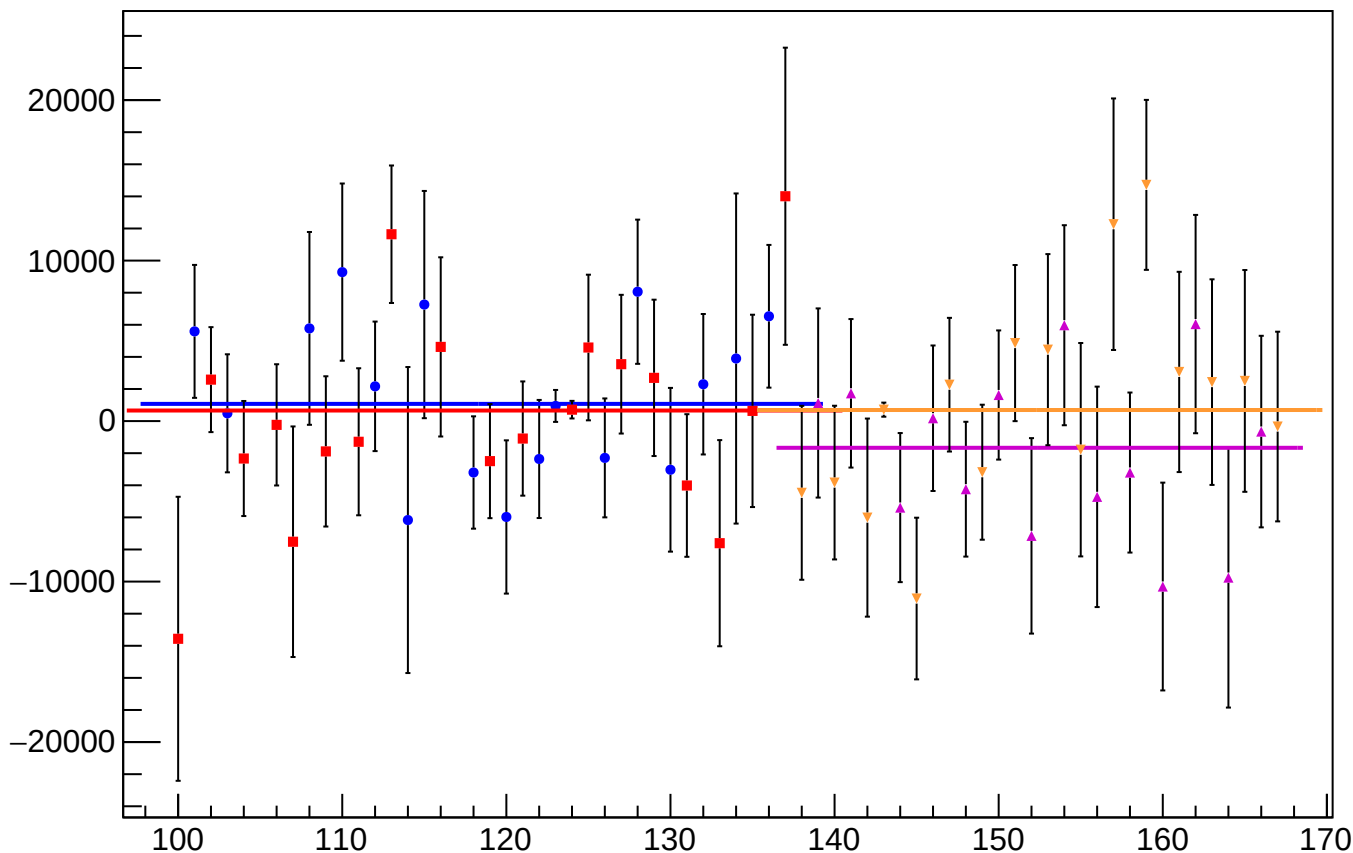
Right: 1768.045+/-0.346 χ^2/NDF : 950324.7/35

In: 1884.207+/-0.322 χ^2/NDF : 753598.0/30

Out: 1889.897+/-0.311 χ^2/NDF : 788680.0/34

All: 1887.151+/-0.224 χ^2/NDF : 1542439.2/65

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: -1664.211+/-1425.769 χ^2/NDF : 9.3/13

Left: 503.058+/-402.087 χ^2/NDF : 32.0/29

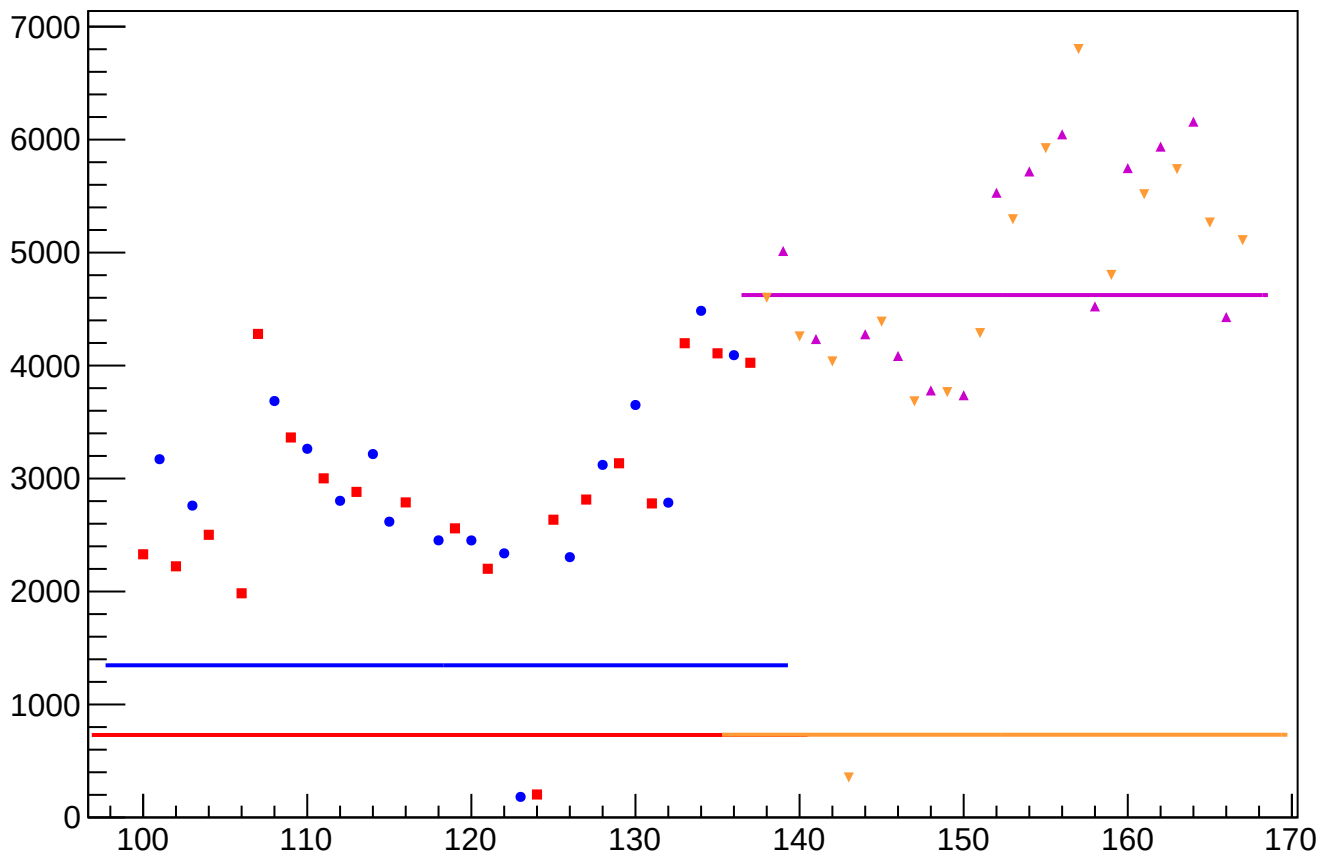
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 476.290+/-665.345 χ^2/NDF : 27.8/30

Out: 676.923+/-317.951 χ^2/NDF : 40.0/34

All: 639.624+/-286.877 χ^2/NDF : 67.8/65

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: 4624.207 $\pm$ 1.008 χ^2 /NDF: 641641.6/13

Left: 1041.770 $\pm$ 0.284 χ^2 /NDF: 31821109.1/29

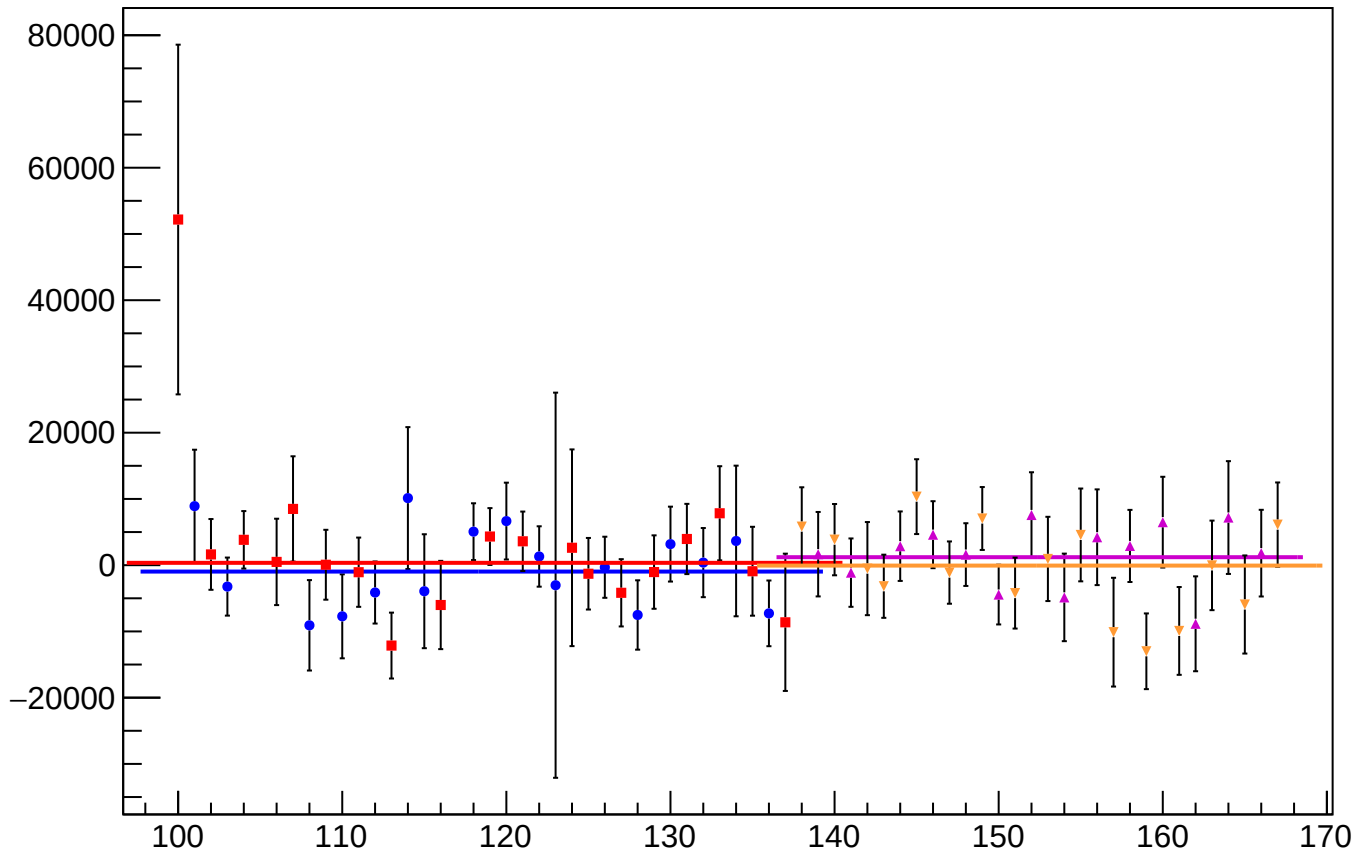
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2060.545 $\pm$ 0.470 χ^2 /NDF: 15747182.8/30

Out: 731.337 $\pm$ 0.225 χ^2 /NDF: 26964960.8/34

All: 978.447 $\pm$ 0.203 χ^2 /NDF: 49210380.9/65

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: 1205.927 ± 1563.293 $\chi^2/\text{NDF}: 7.5/13$

Left: 534.395 ± 1071.923 $\chi^2/\text{NDF}: 26.9/29$

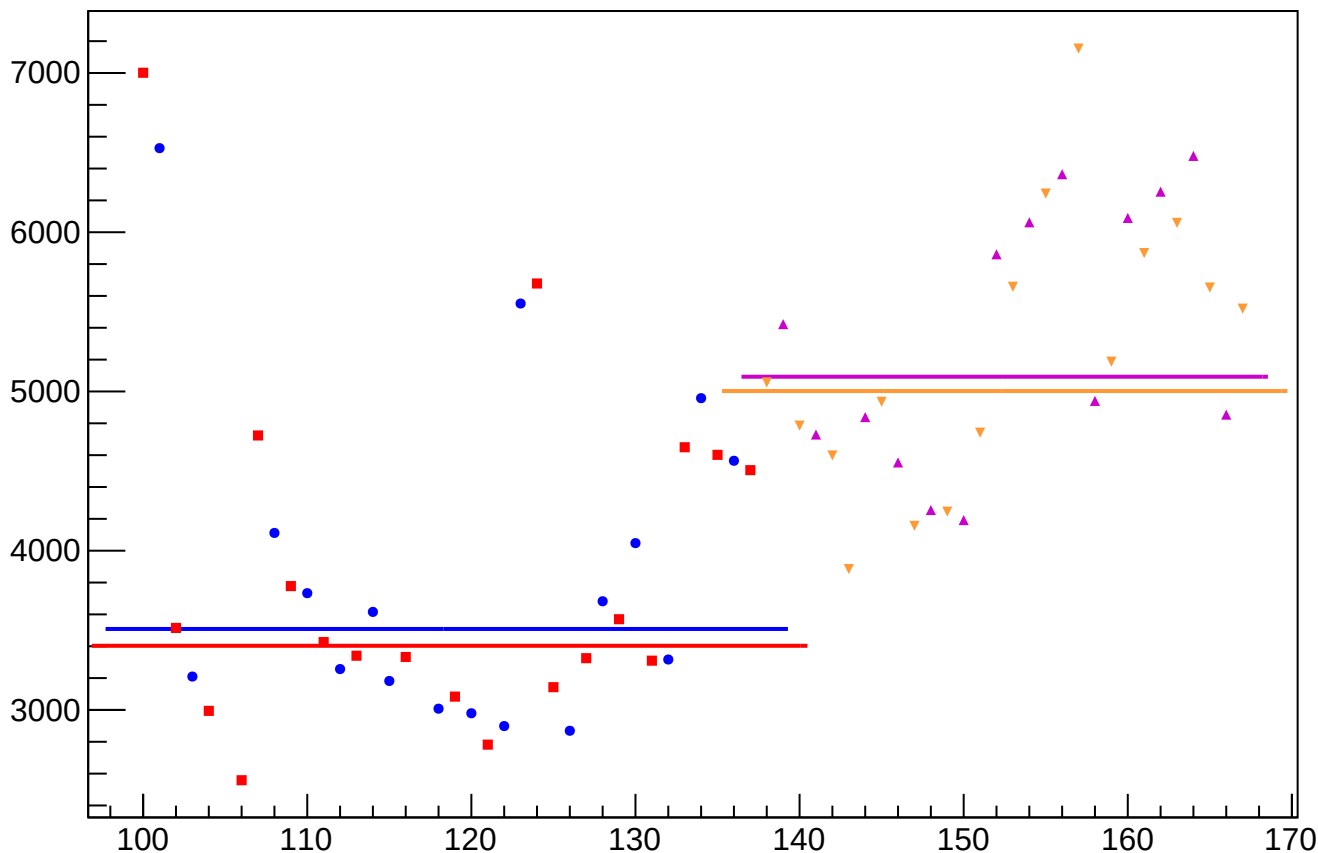
Right: -272.899 ± 962.726 $\chi^2/\text{NDF}: 31.8/35$

In: -1.686 ± 1041.107 $\chi^2/\text{NDF}: 22.3/30$

Out: 167.734 ± 986.935 $\chi^2/\text{NDF}: 36.8/34$

All: 87.546 ± 716.254 $\chi^2/\text{NDF}: 59.1/65$

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2 /NDF: 562197.7/16

Left Out: 5002.736 $\pm$ 1.041 χ^2 /NDF: 575684.0/15

Right Out: 3402.883 $\pm$ 0.928 χ^2 /NDF: 428556.1/18

Left In: 5092.607 $\pm$ 1.105 χ^2 /NDF: 470556.2/13

Left: 5044.990 $\pm$ 0.758 χ^2 /NDF: 1049742.4/29

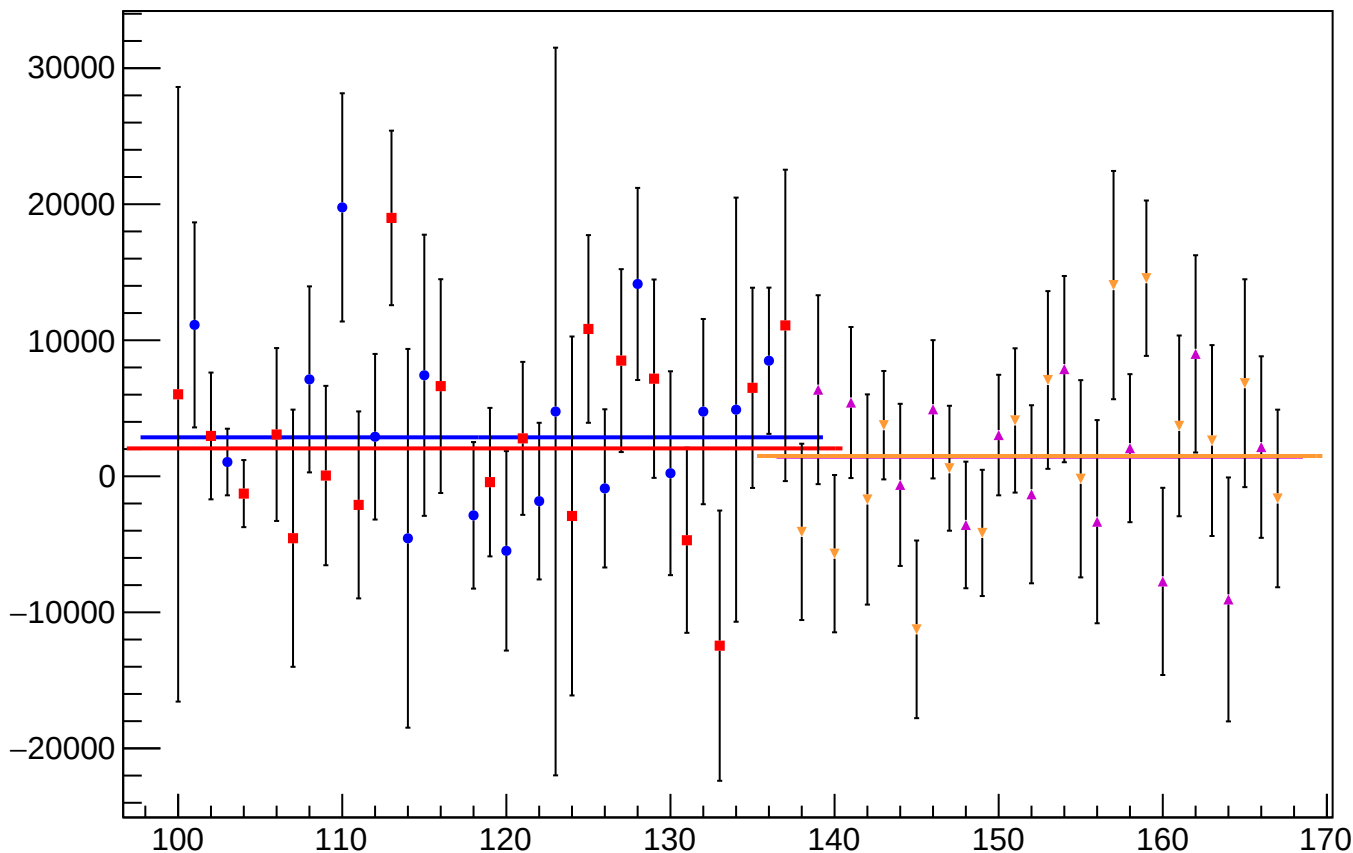
Right: 3452.447 $\pm$ 0.676 χ^2 /NDF: 996829.8/35

In: 4211.063 $\pm$ 0.736 χ^2 /NDF: 2175584.8/30

Out: 4111.163 $\pm$ 0.693 χ^2 /NDF: 2319719.4/34

All: 4158.087 $\pm$ 0.505 χ^2 /NDF: 4505069.6/65

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: 1443.350+/-1604.099 χ^2/NDF : 8.6/13

Left: 1469.554+/-1087.291 χ^2/NDF : 26.1/29

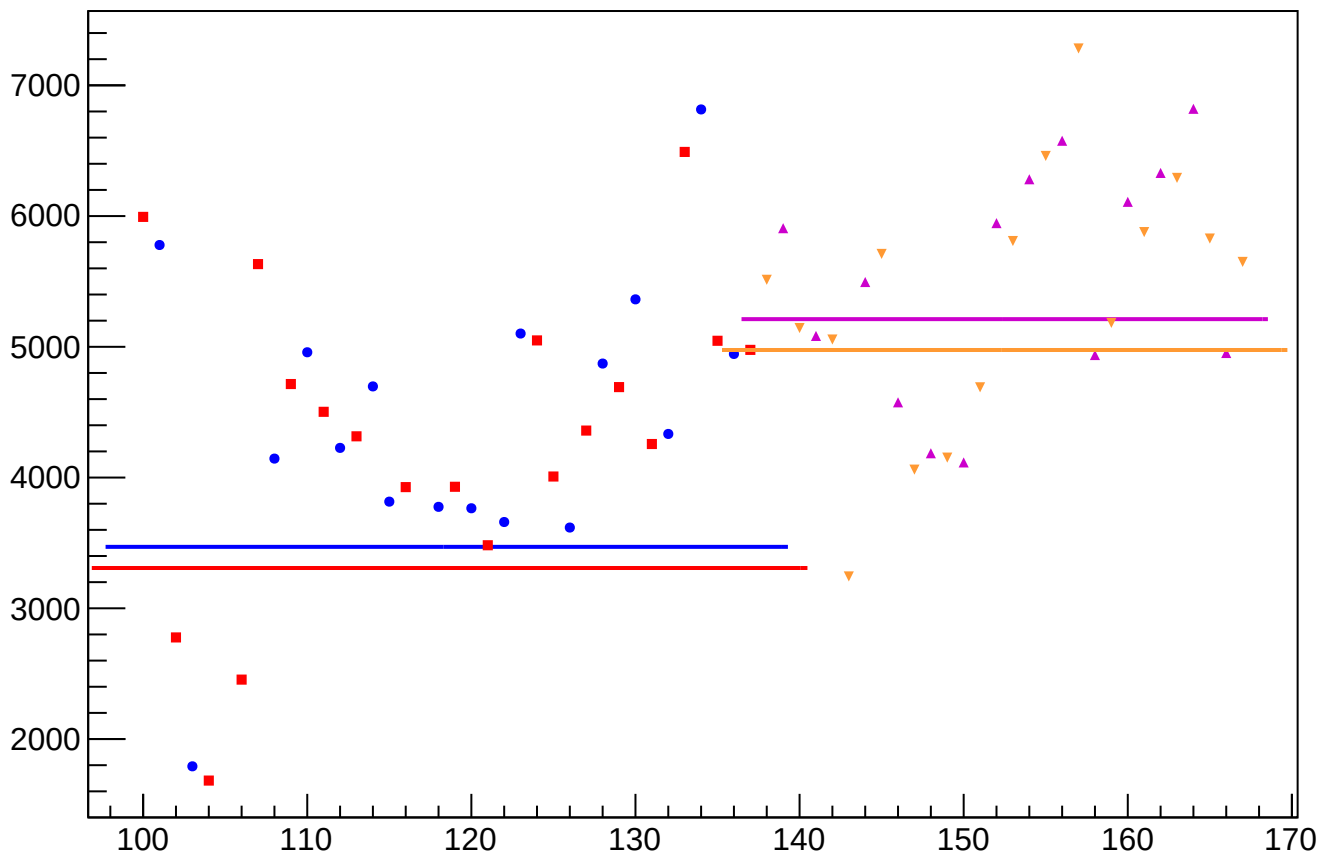
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2224.309+/-1076.753 χ^2/NDF : 23.1/30

Out: 1790.520+/-1009.560 χ^2/NDF : 35.2/34

All: 1993.458+/-736.476 χ^2/NDF : 58.4/65

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: 5211.674 $\pm$ 1.134 χ^2/NDF : 571518.1/13

Left: 5084.104 $\pm$ 0.769 χ^2/NDF : 1585557.2/29

Right: 3384.349 $\pm$ 0.704 χ^2/NDF : 3684784.1/35

In: 4254.762 $\pm$ 0.761 χ^2/NDF : 3627754.8/30

Out: 4077.711 $\pm$ 0.710 χ^2/NDF : 4270697.4/34

All: 4160.108 $\pm$ 0.519 χ^2/NDF : 7927362.4/65

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

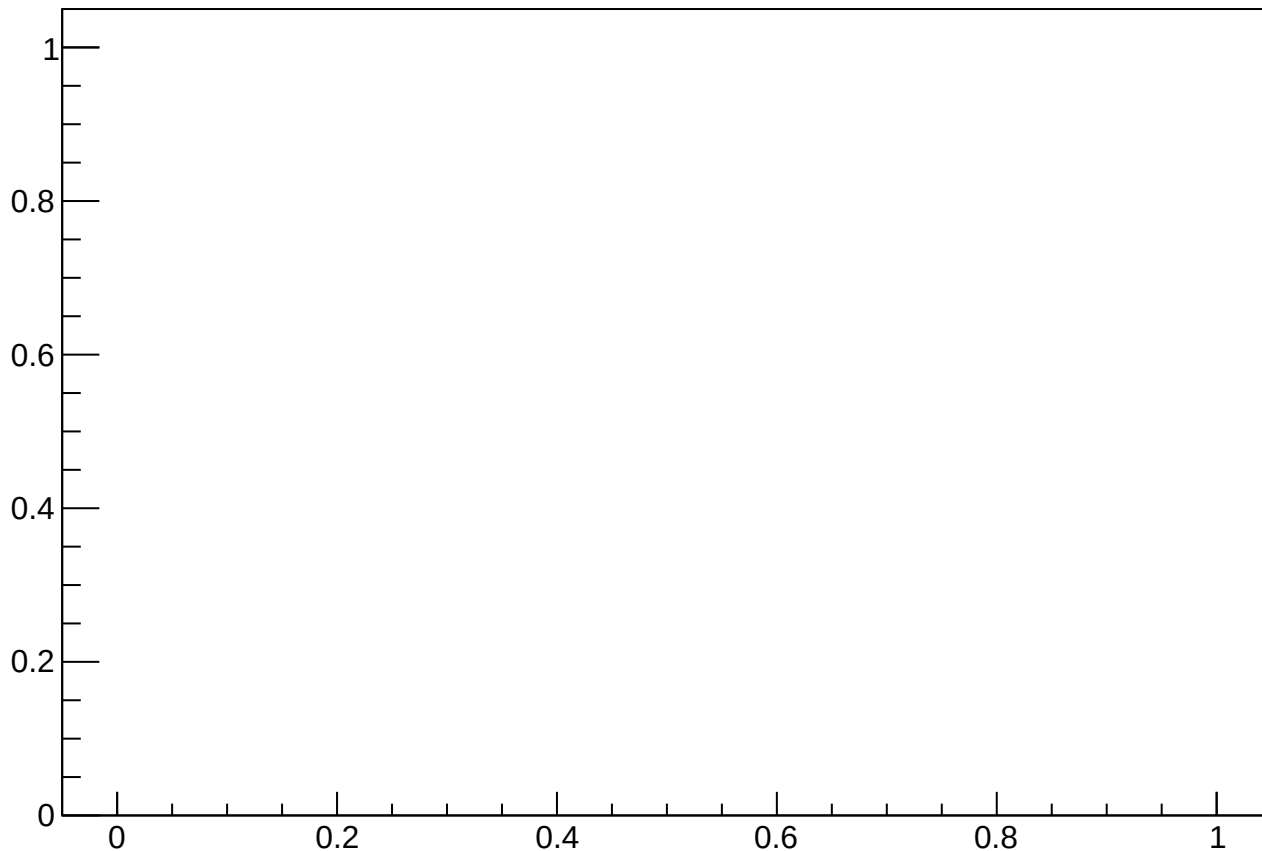
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

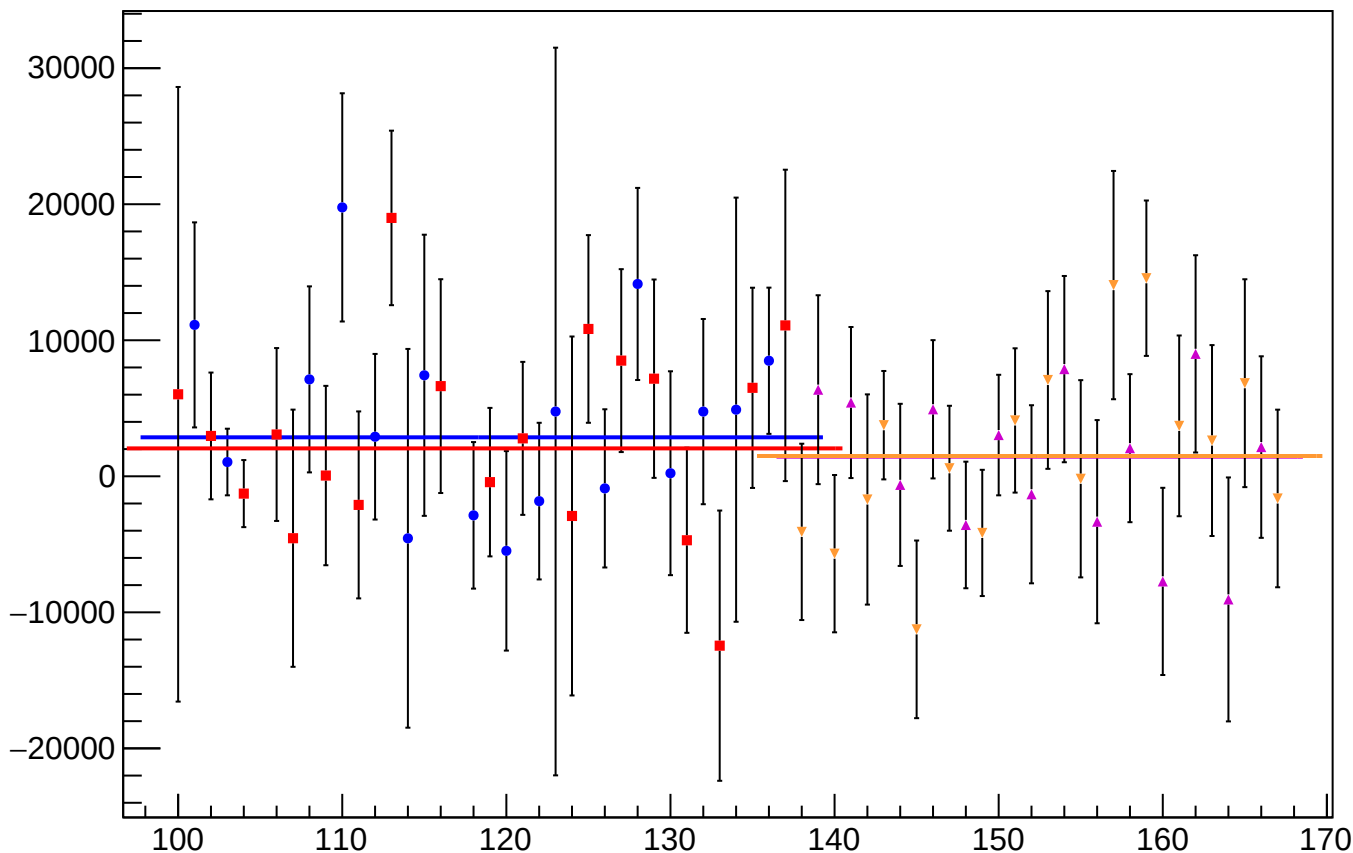
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 1443.350+/-1604.099 χ^2/NDF : 8.6/13

Left: 1469.554+/-1087.291 χ^2/NDF : 26.1/29

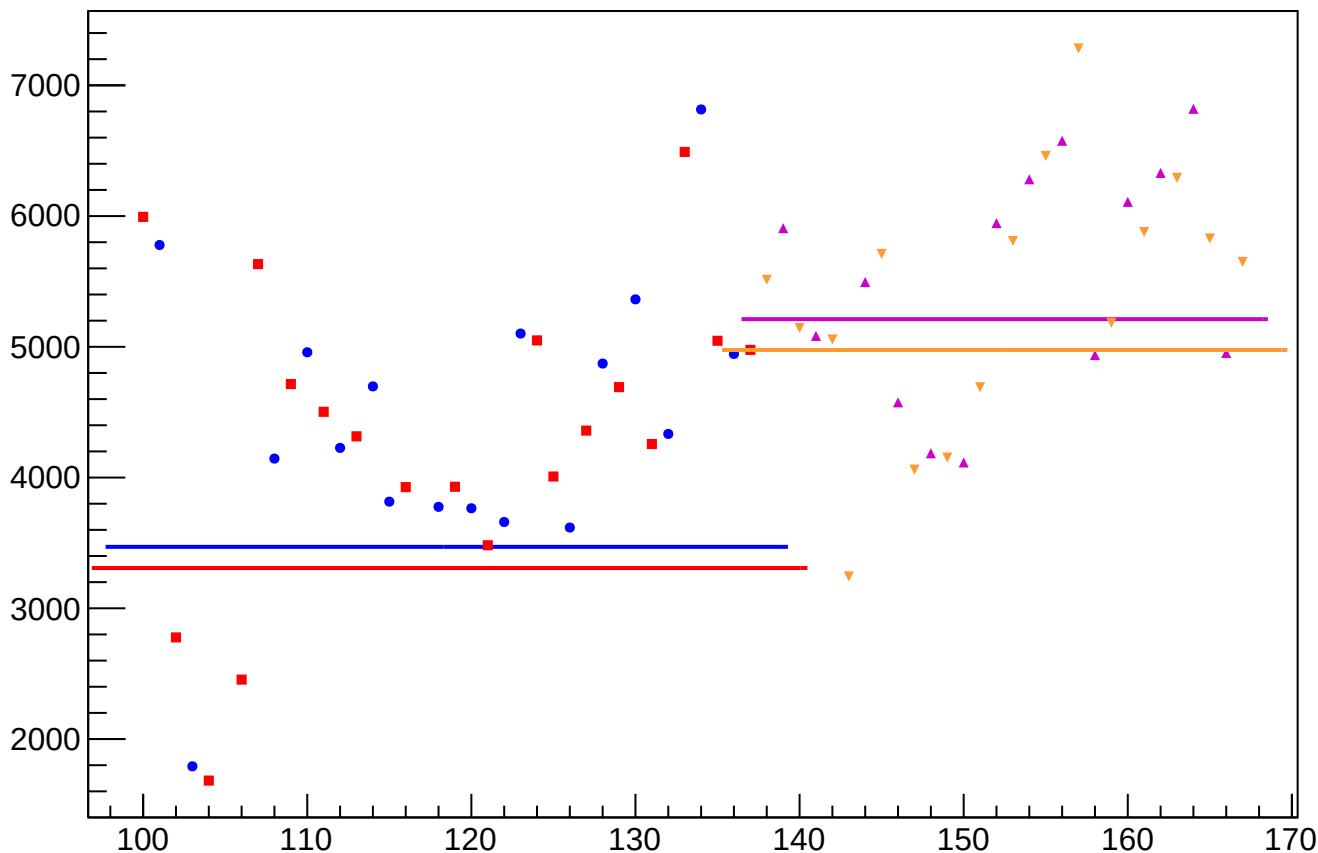
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2224.309+/-1076.753 χ^2/NDF : 23.1/30

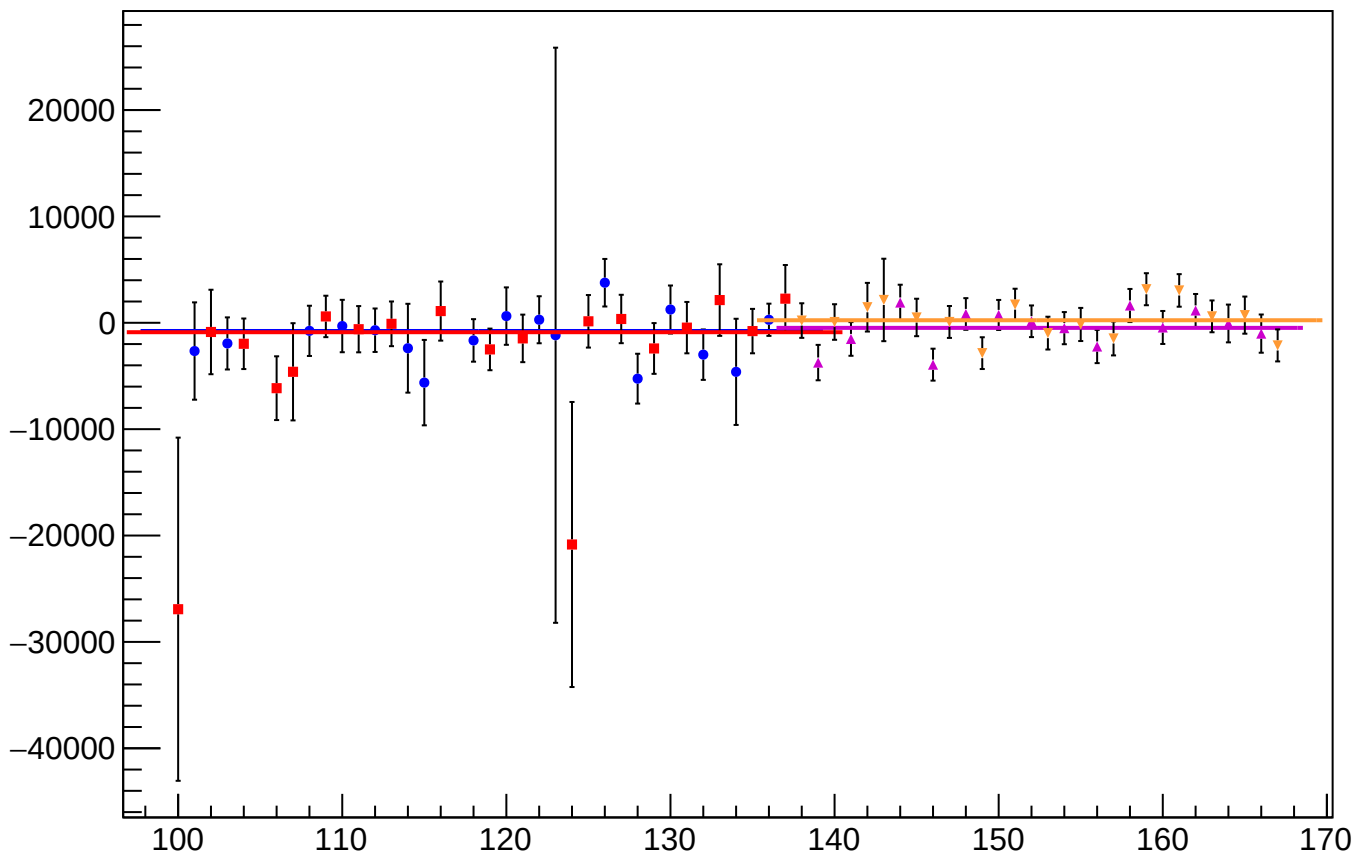
Out: 1790.520+/-1009.560 χ^2/NDF : 35.2/34

All: 1993.458+/-736.476 χ^2/NDF : 58.4/65

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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: -477.553+/-419.369 χ^2/NDF :17.6/13

Left: -110.536+/-292.877 χ^2/NDF : 36.5/29

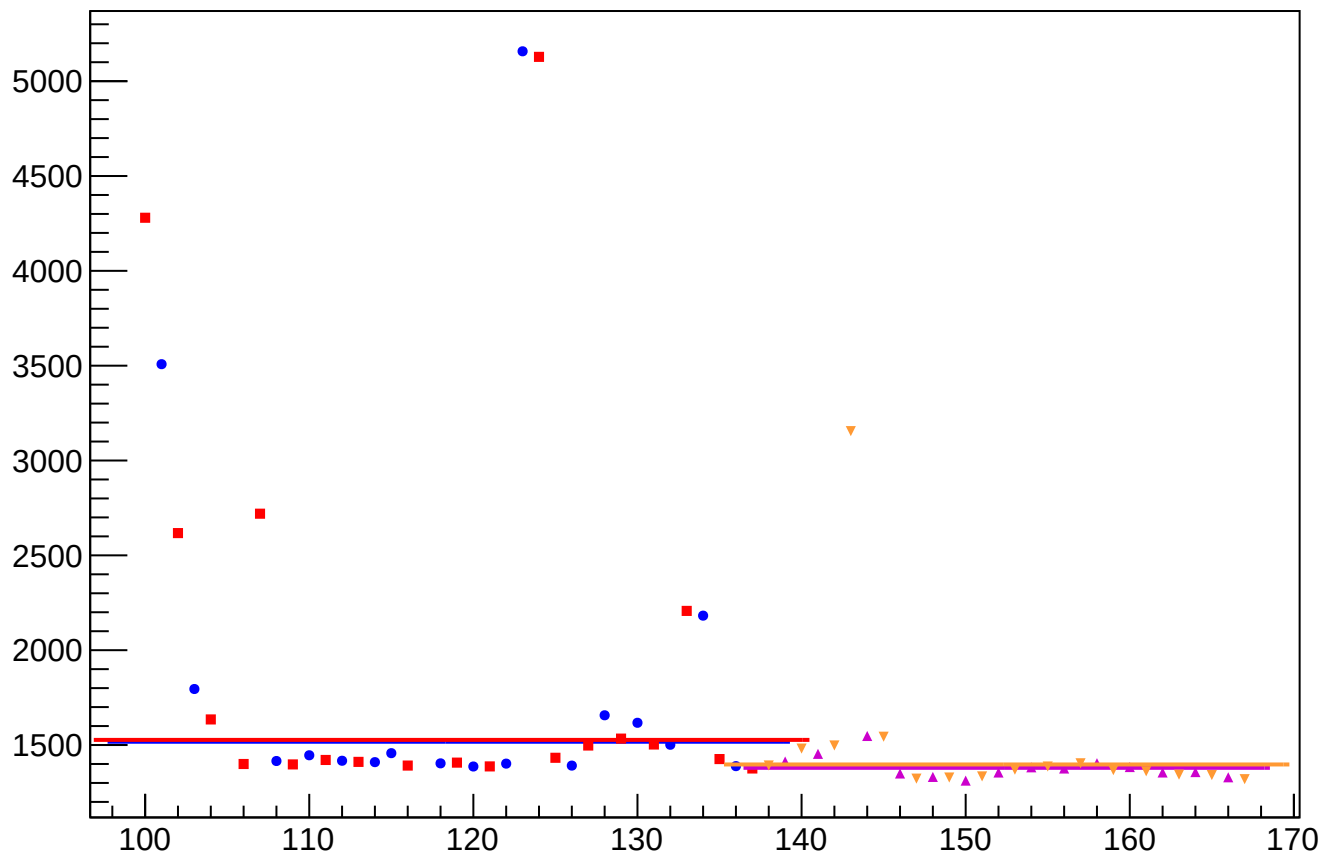
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -573.119+/-344.419 χ^2/NDF :31.1/30

Out: -121.991+/-337.171 χ^2/NDF :33.3/34

All: -342.757+/-240.938 χ^2/NDF : 65.3/65

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: 1379.777+/-0.297 χ^2/NDF : 36122.3/13

Left: 1388.826+/-0.207 χ^2/NDF : 497251.4/29

Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1424.552+/-0.244 χ^2/NDF : 642826.7/30

Out: 1439.040+/-0.238 χ^2/NDF : 1155370.3/34

All: 1431.950+/-0.170 χ^2/NDF : 1800004.2/65

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

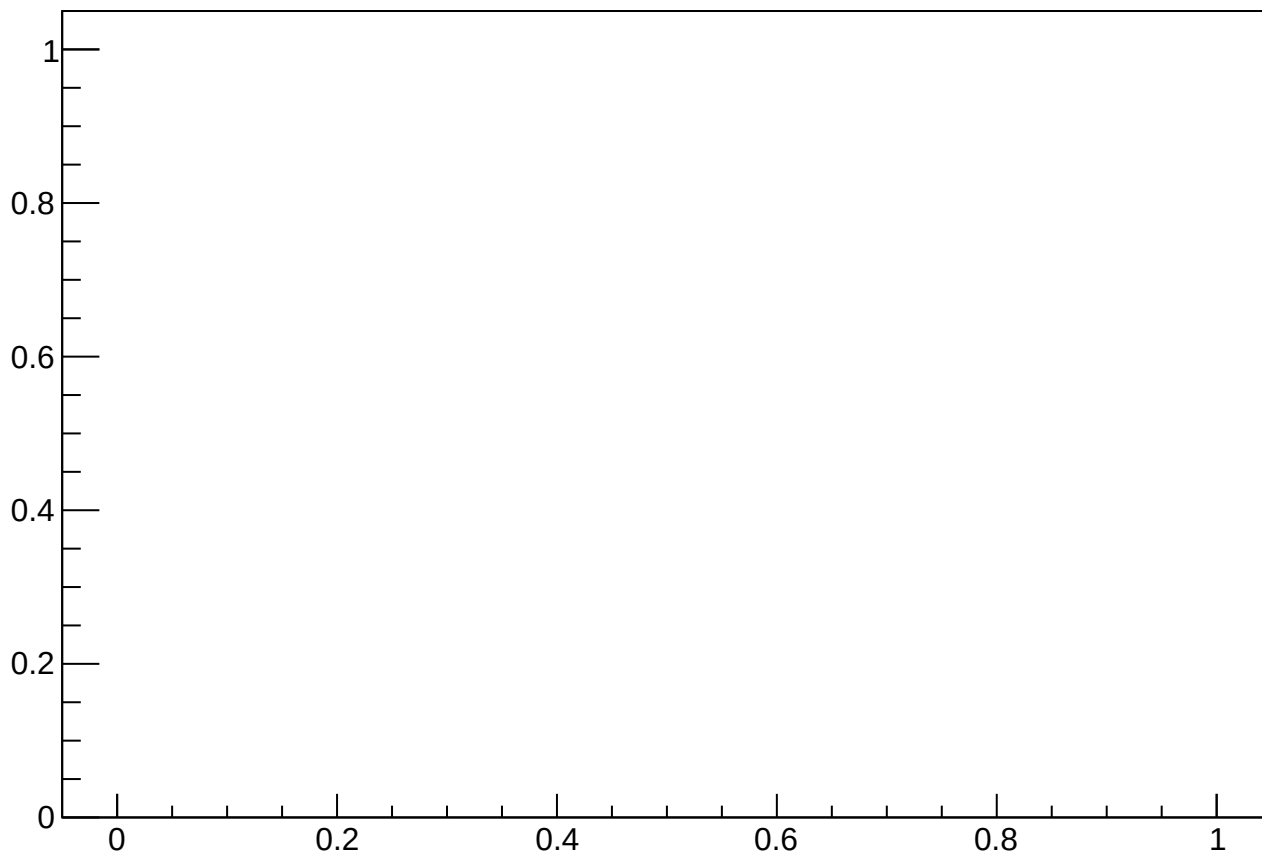
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

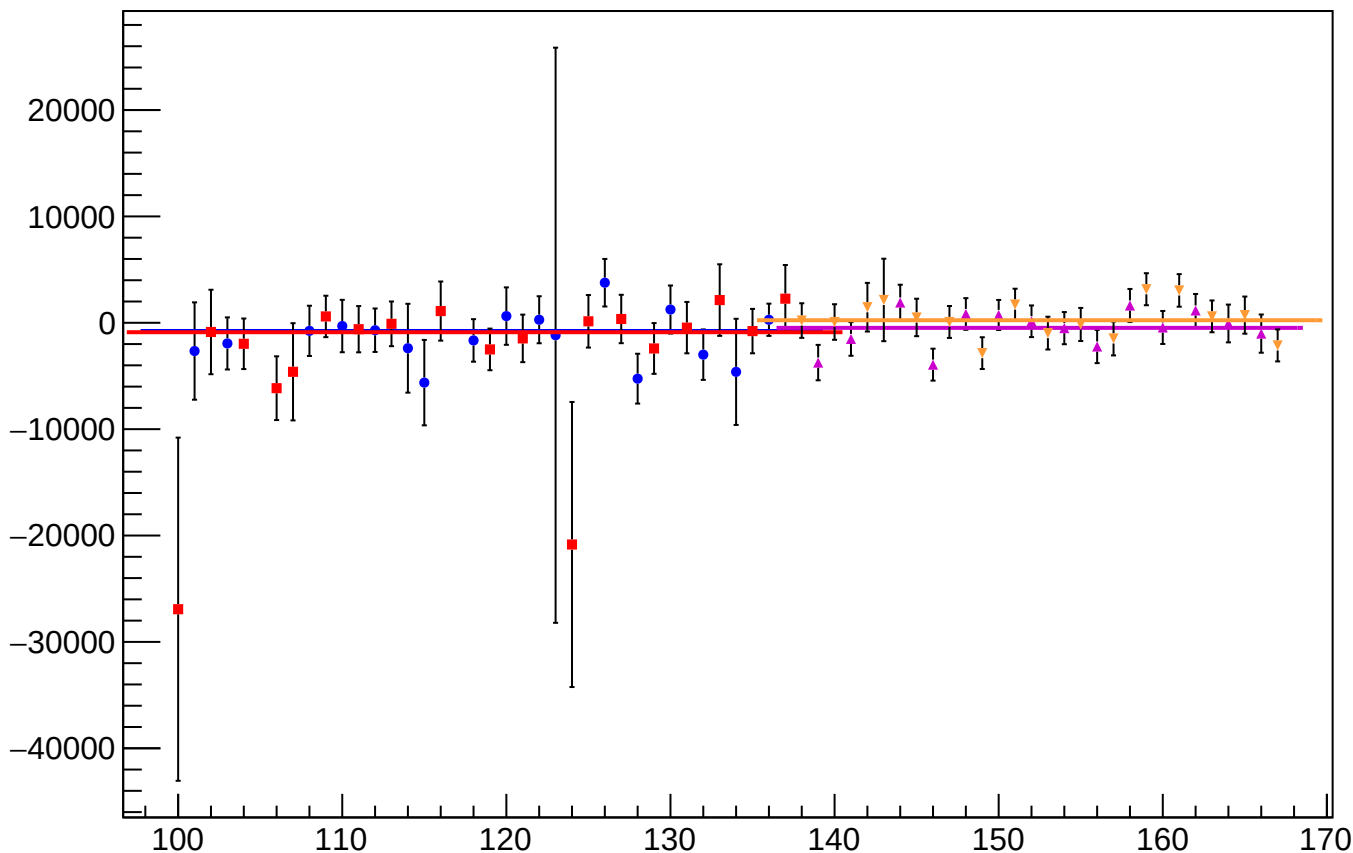
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -477.553+/-419.369 χ^2/NDF :17.6/13

Left: -110.536+/-292.877 χ^2/NDF : 36.5/29

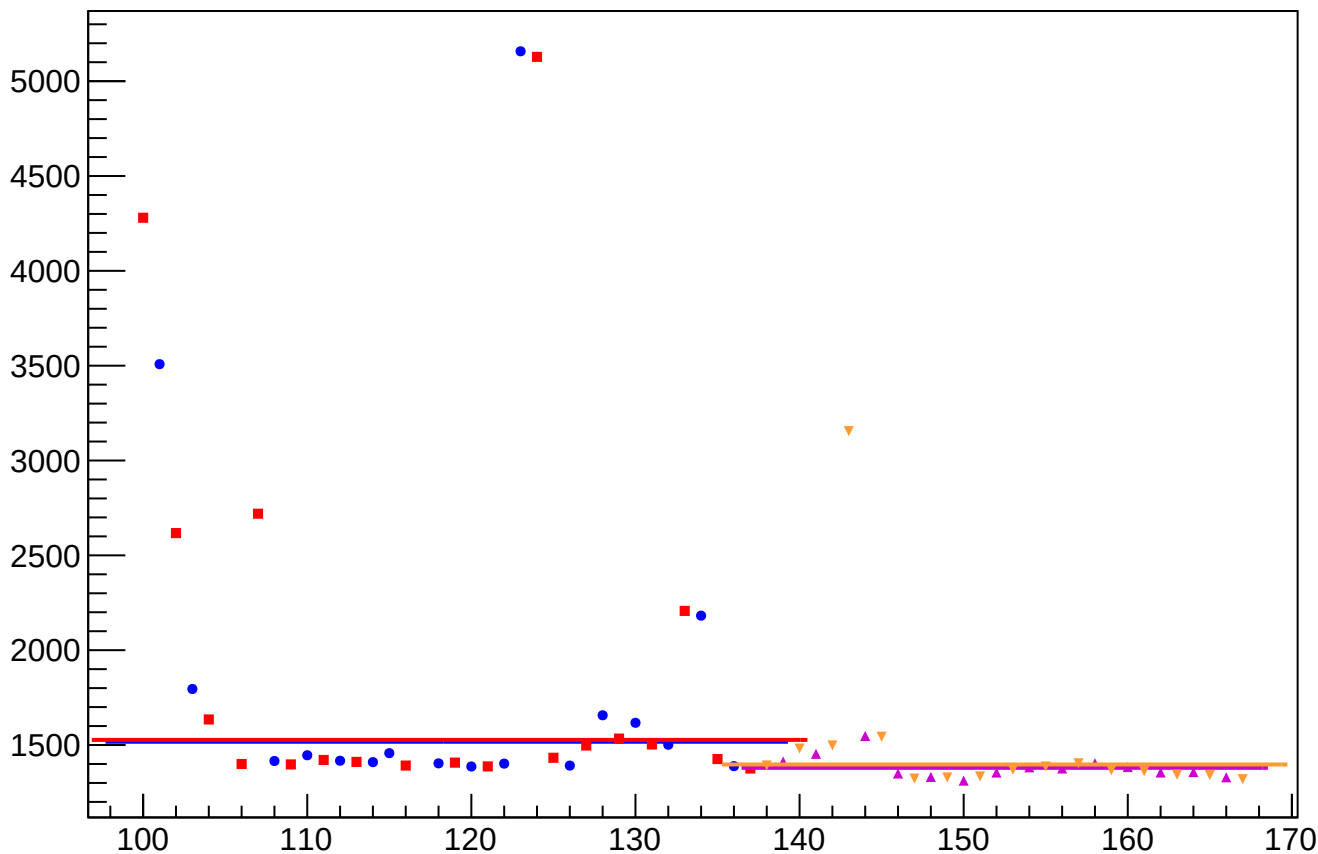
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -573.119+/-344.419 χ^2/NDF :31.1/30

Out: -121.991+/-337.171 χ^2/NDF :33.3/34

All: -342.757+/-240.938 χ^2/NDF : 65.3/65

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: 1379.777 ± 0.297 χ^2/NDF : 36122.3/13

Left: 1388.826 ± 0.207 χ^2/NDF : 497251.4/29

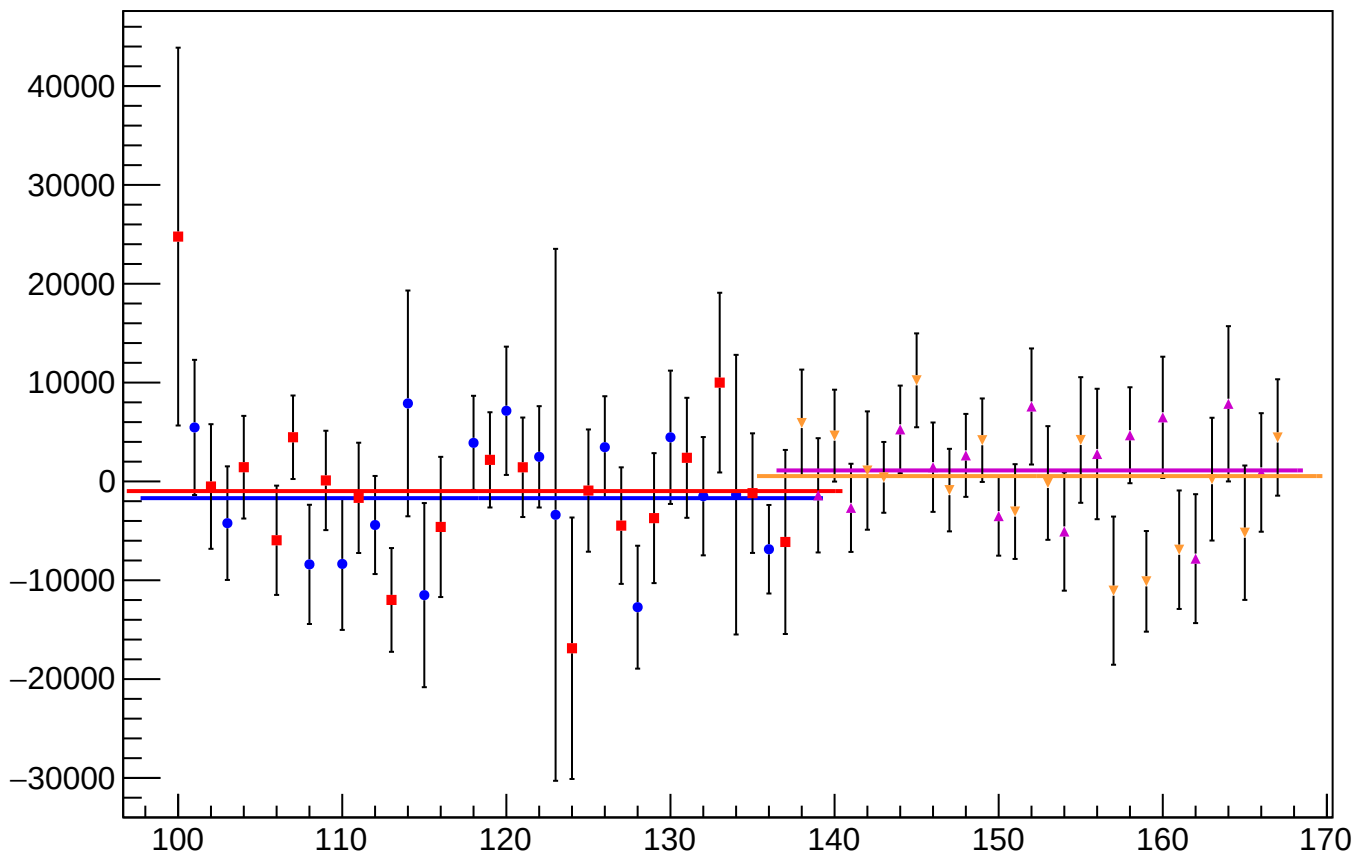
Right: 1522.239 ± 0.300 χ^2/NDF : 1168607.3/35

In: 1424.552 ± 0.244 χ^2/NDF : 642826.7/30

Out: 1439.040 ± 0.238 χ^2/NDF : 1155370.3/34

All: 1431.950 ± 0.170 χ^2/NDF : 1800004.2/65

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: 1114.449 ± 1392.592 $\chi^2/\text{NDF}: 9.5/13$

Left: 804.799 ± 945.415 $\chi^2/\text{NDF}: 26.8/29$

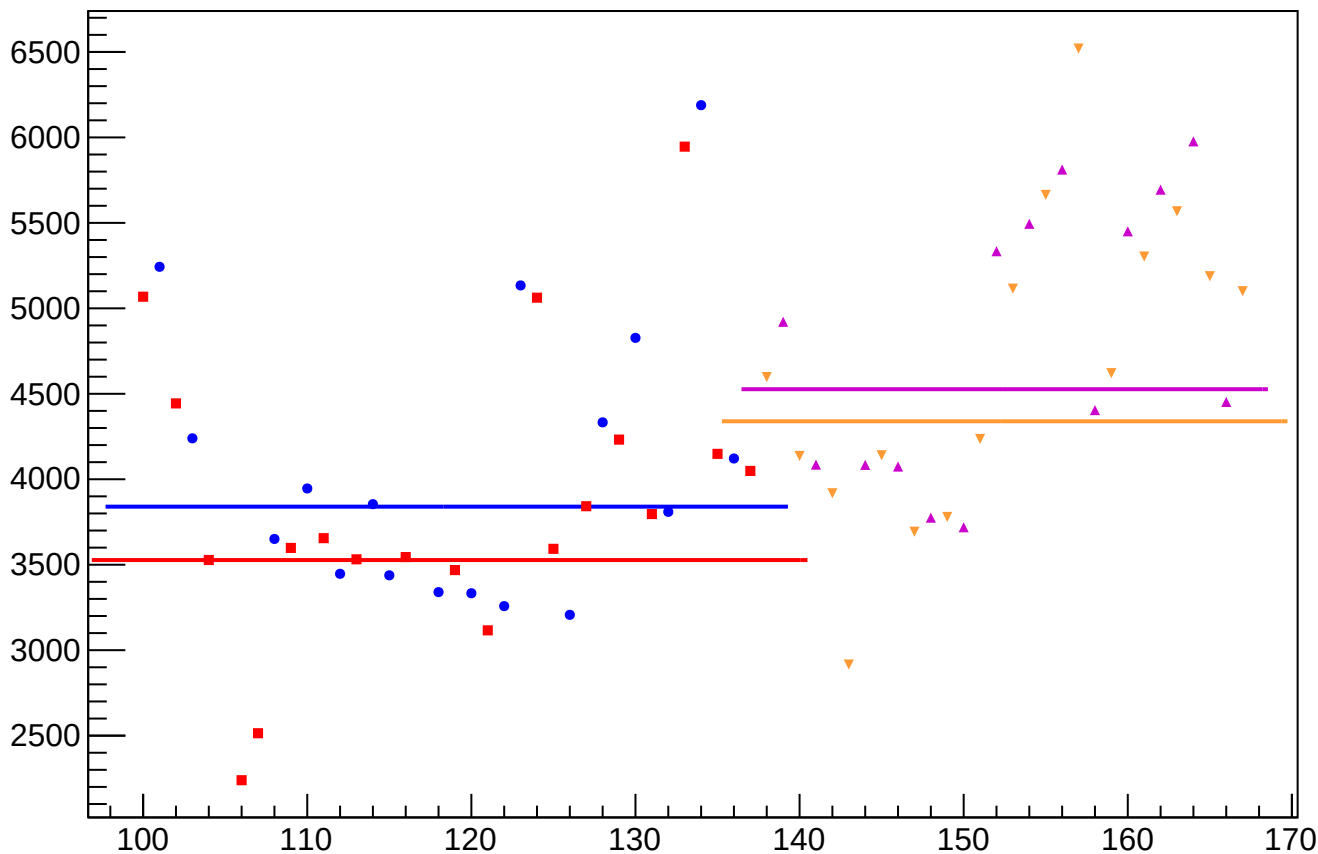
Right: -1302.190 ± 1019.117 $\chi^2/\text{NDF}: 29.9/35$

In: -173.012 ± 1024.618 $\chi^2/\text{NDF}: 27.2/30$

Out: -167.016 ± 941.088 $\chi^2/\text{NDF}: 31.7/34$

All: -169.760 ± 693.102 $\chi^2/\text{NDF}: 59.0/65$

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: 4526.900+/-0.985 χ^2/NDF : 559517.4/13

Left: 4425.737+/-0.669 χ^2/NDF : 1493651.3/29

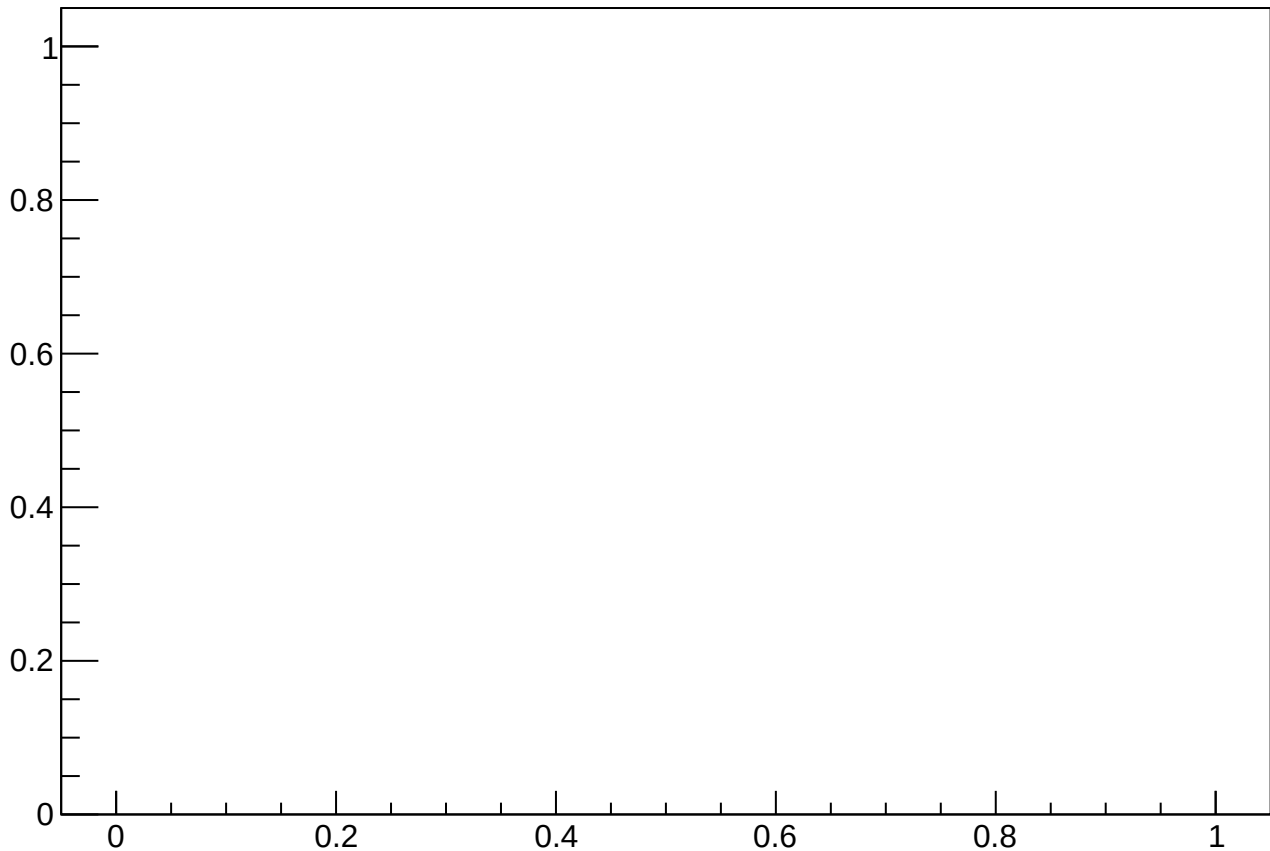
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4211.729+/-0.725 χ^2/NDF : 1108823.4/30

Out: 3957.352+/-0.663 χ^2/NDF : 1843394.0/34

All: 4073.212+/-0.489 χ^2/NDF : 3019344.1/65

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

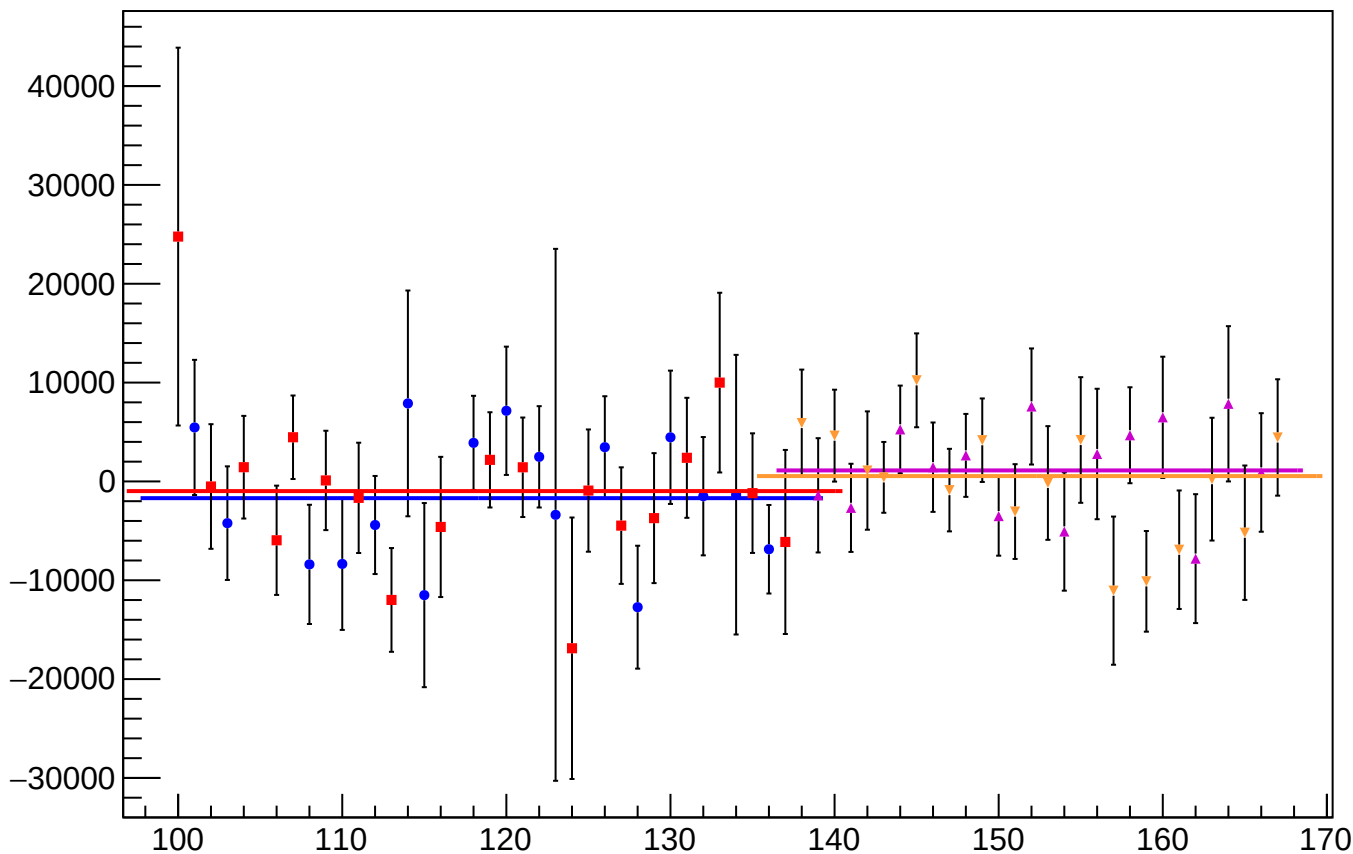
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 χ^2/NDF : 15.8/16

Left Out: 540.077+/-1287.608 χ^2/NDF : 17.2/15

Right Out: -977.899+/-1378.874 χ^2/NDF : 13.9/18

Left In: 1114.449+/-1392.592 χ^2/NDF : 9.5/13

Left: 804.799+/-945.415 χ^2/NDF : 26.8/29

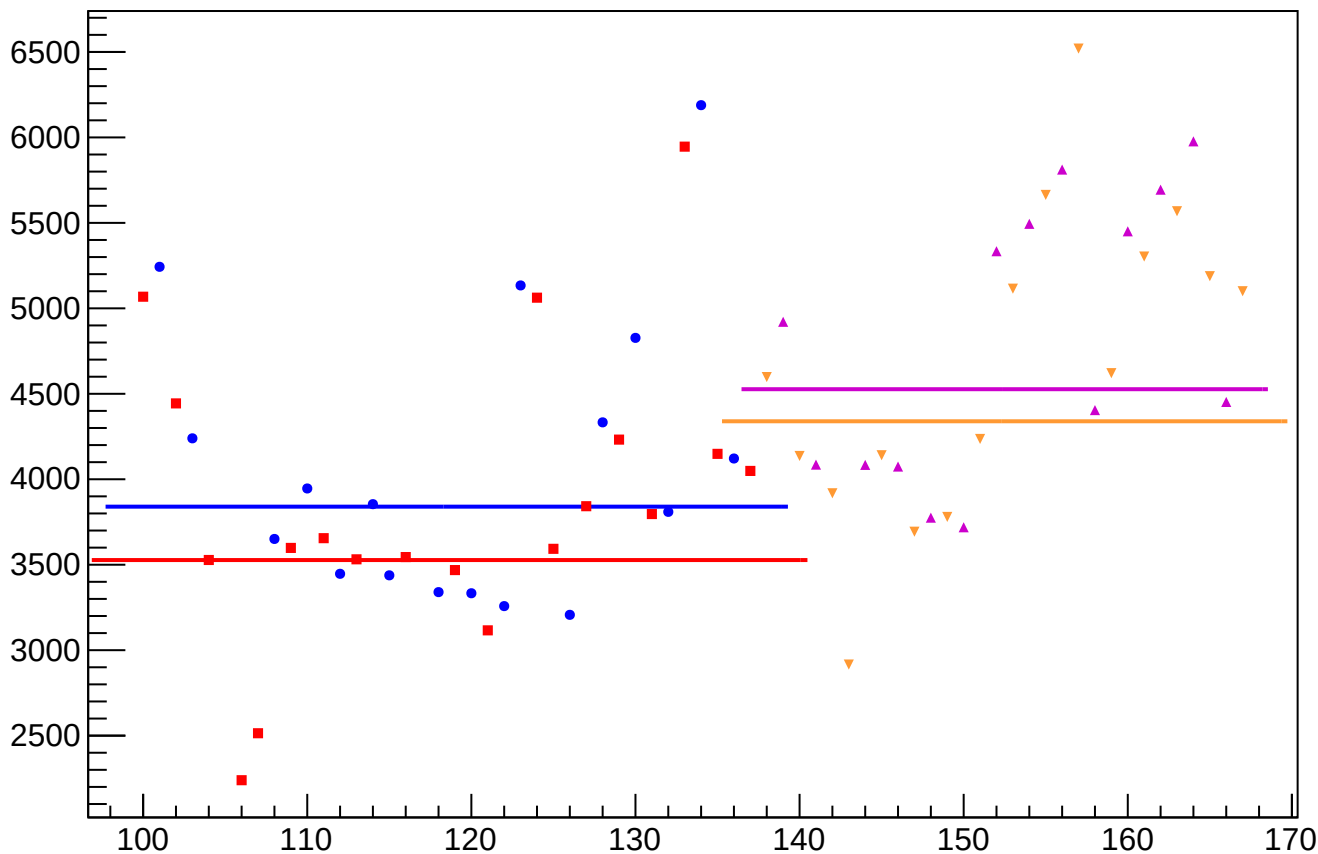
Right: -1302.190+/-1019.117 χ^2/NDF : 29.9/35

In: -173.012+/-1024.618 χ^2/NDF : 27.2/30

Out: -167.016+/-941.088 χ^2/NDF : 31.7/34

All: -169.760+/-693.102 χ^2/NDF : 59.0/65

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: 4526.900+/-0.985 χ^2/NDF : 559517.4/13

Left: 4425.737+/-0.669 χ^2/NDF : 1493651.3/29

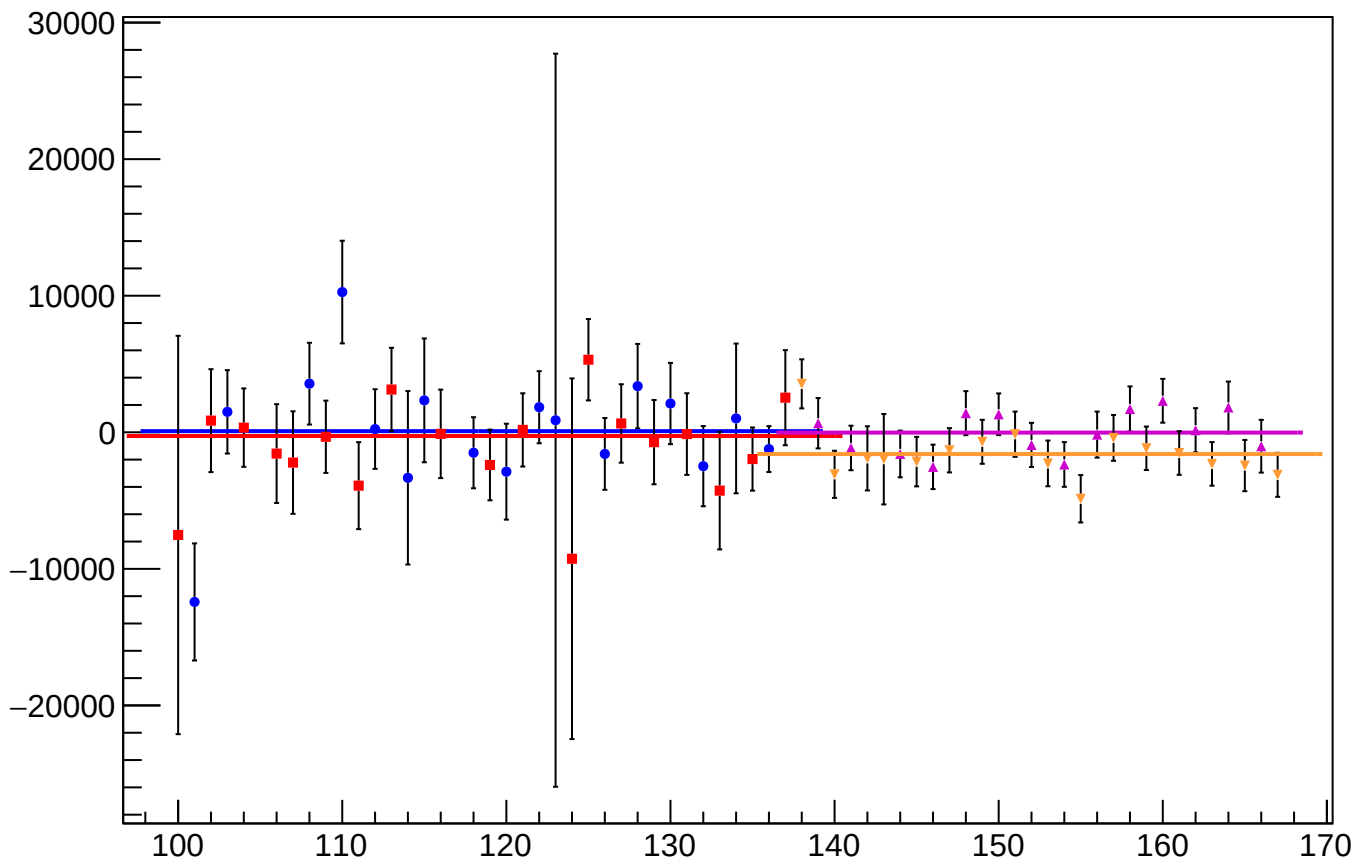
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4211.729+/-0.725 χ^2/NDF : 1108823.4/30

Out: 3957.352+/-0.663 χ^2/NDF : 1843394.0/34

All: 4073.212+/-0.489 χ^2/NDF : 3019344.1/65

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -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: -21.824 ± 447.427 $\chi^2/\text{NDF}: 12.2/13$

Left: -827.422 ± 312.494 $\chi^2/\text{NDF}: 34.3/29$

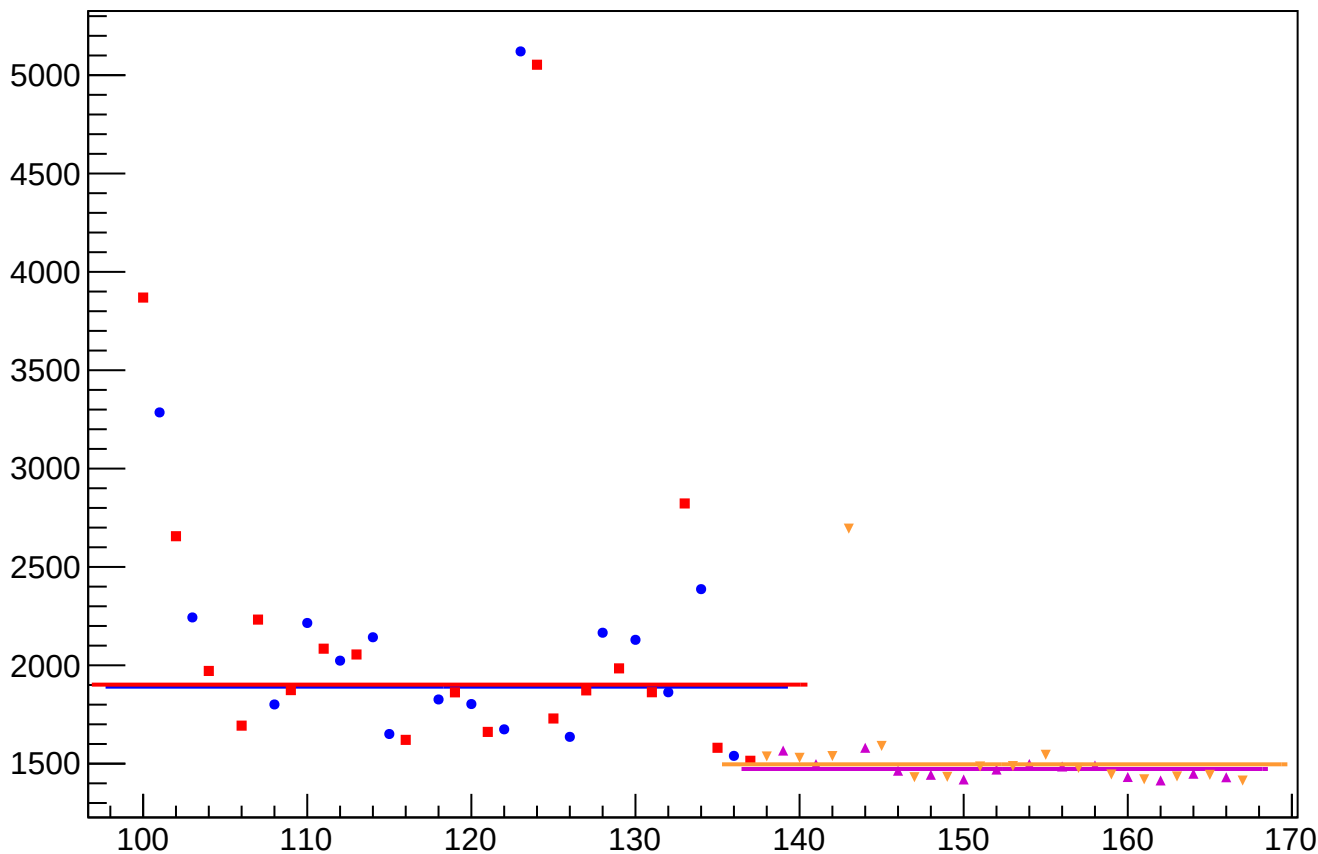
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: 5.886 ± 384.320 $\chi^2/\text{NDF}: 35.1/30$

Out: -1249.190 ± 375.275 $\chi^2/\text{NDF}: 28.3/34$

All: -636.595 ± 268.500 $\chi^2/\text{NDF}: 68.9/65$

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: 1472.943+/-0.316 χ^2 /NDF: 22689.7/13

Left: 1485.096+/-0.221 χ^2 /NDF: 319968.2/29

Right: 1896.759+/-0.371 χ^2 /NDF: 925377.5/35

In: 1582.686+/-0.272 χ^2 /NDF: 946078.7/30

Out: 1602.541+/-0.265 χ^2 /NDF: 1205018.7/34

All: 1592.850+/-0.190 χ^2 /NDF: 2153829.9/65

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

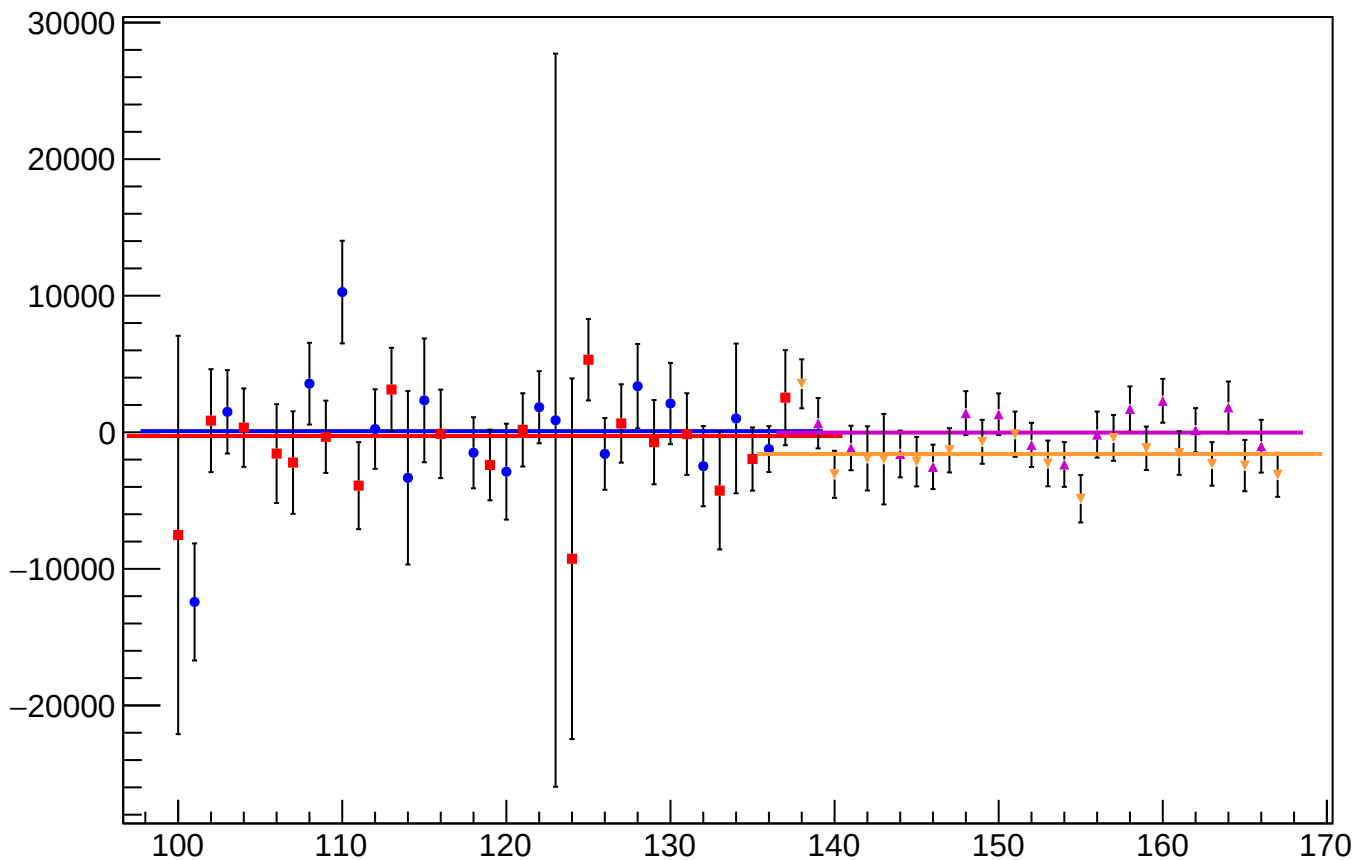
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -21.824 ± 447.427 $\chi^2/\text{NDF}: 12.2/13$

Left: -827.422 ± 312.494 $\chi^2/\text{NDF}: 34.3/29$

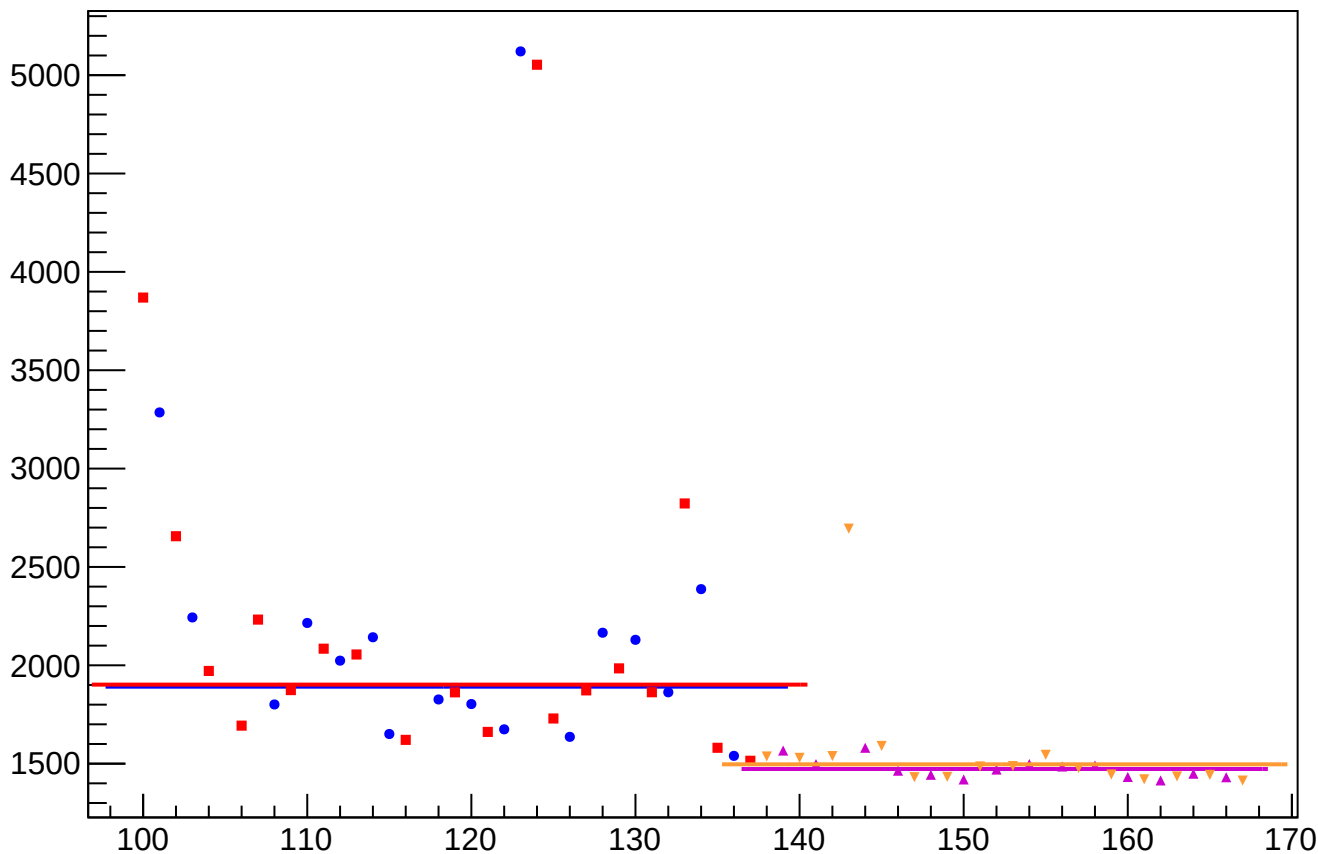
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: 5.886 ± 384.320 $\chi^2/\text{NDF}: 35.1/30$

Out: -1249.190 ± 375.275 $\chi^2/\text{NDF}: 28.3/34$

All: -636.595 ± 268.500 $\chi^2/\text{NDF}: 68.9/65$

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: 1472.943 $\pm$ 0.316 χ^2 /NDF: 22689.7/13

Left: 1485.096 $\pm$ 0.221 χ^2 /NDF: 319968.2/29

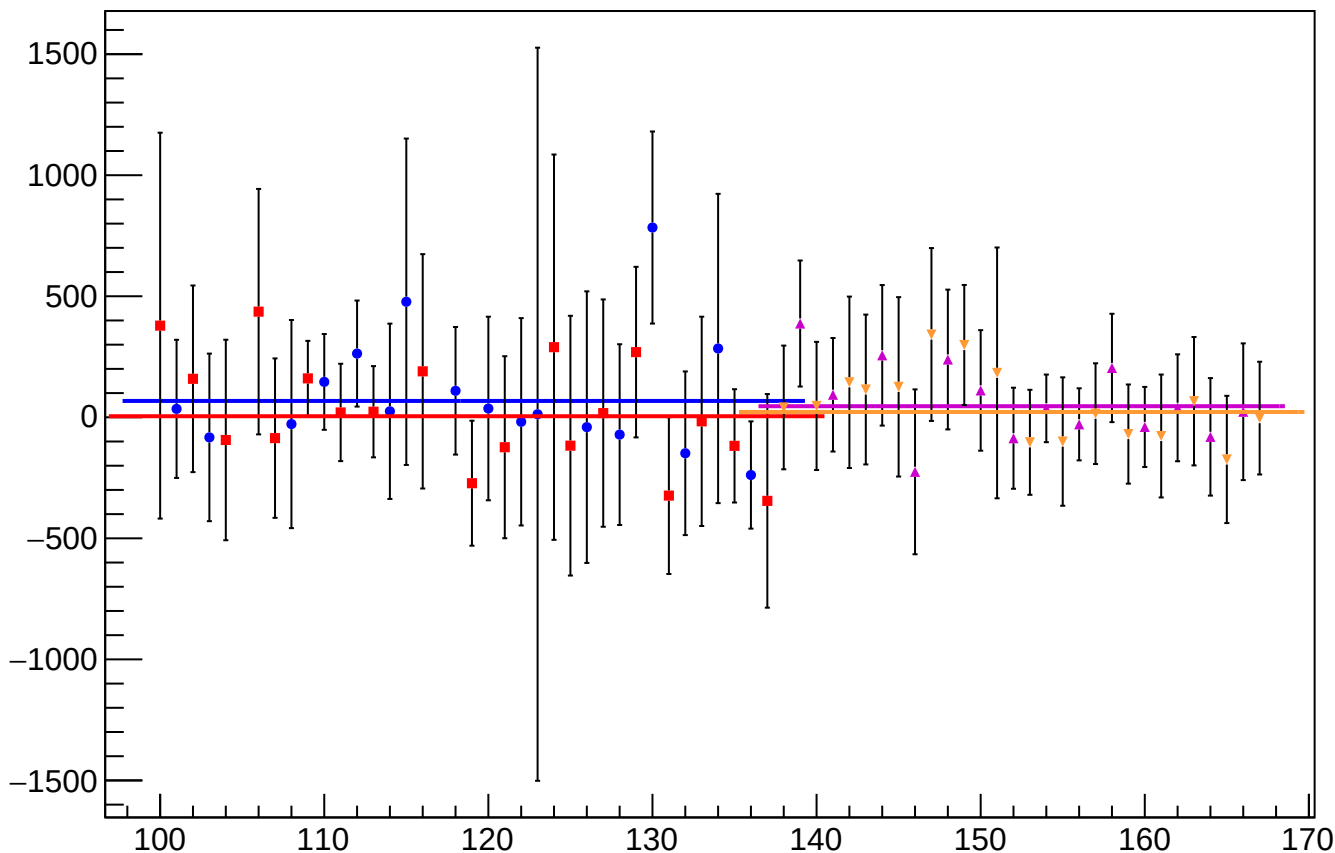
Right: 1896.759 $\pm$ 0.371 χ^2 /NDF: 925377.5/35

In: 1582.686 $\pm$ 0.272 χ^2 /NDF: 946078.7/30

Out: 1602.541 $\pm$ 0.265 χ^2 /NDF: 1205018.7/34

All: 1592.850 $\pm$ 0.190 χ^2 /NDF: 2153829.9/65

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: 21.995+/-66.202 χ^2/NDF : 3.9/15

Right Out: 4.423+/-70.009 χ^2/NDF : 6.4/18

Left In: 45.819+/-57.034 χ^2/NDF : 5.1/13

Left: 35.670+/-43.210 χ^2/NDF : 9.2/29

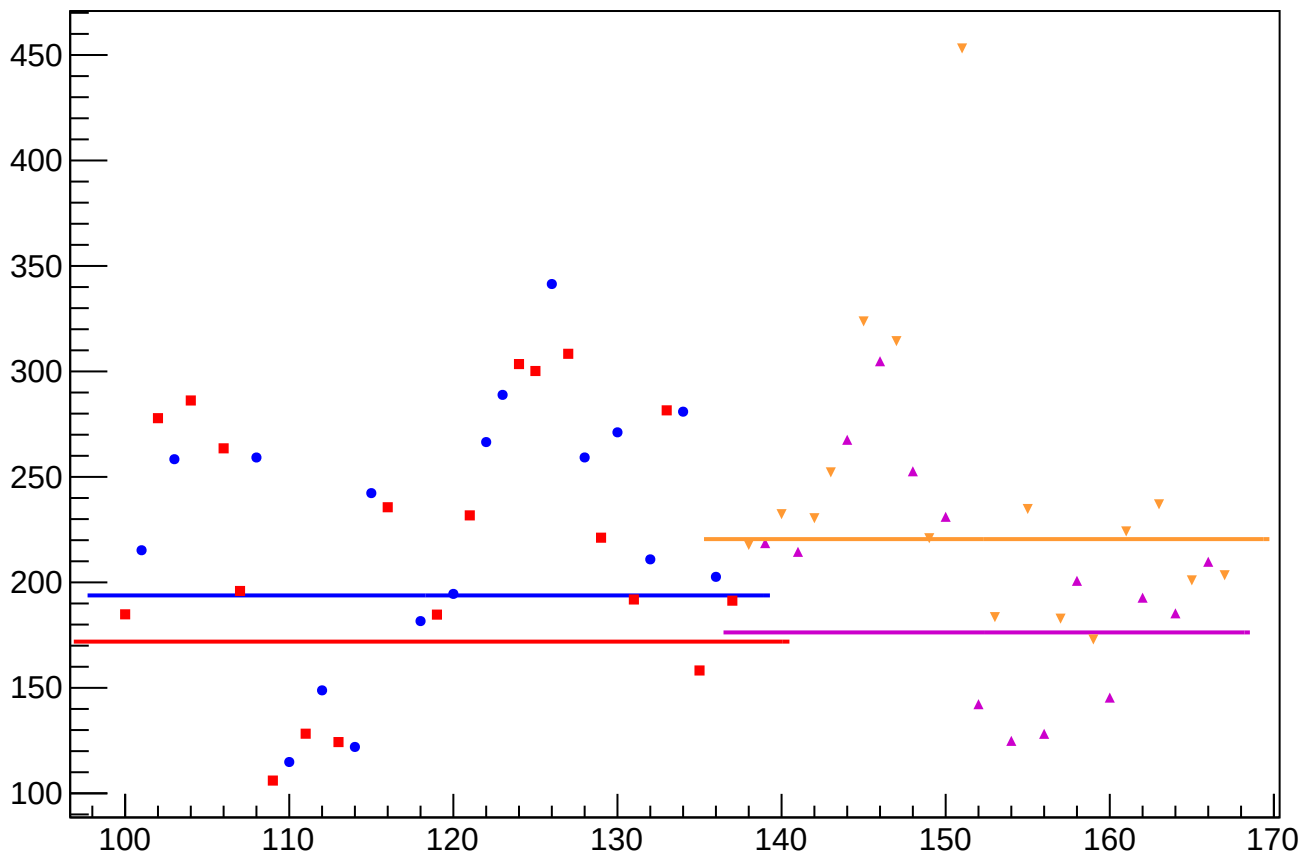
Right: 31.949+/-52.572 χ^2/NDF : 14.2/35

In: 53.187+/-46.363 χ^2/NDF : 12.7/30

Out: 13.700+/-48.102 χ^2/NDF : 10.3/34

All: 34.170+/-33.382 χ^2/NDF : 23.4/65

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: 176.278 $\pm$ 0.040 χ^2 /NDF:1494025.5/13

Left: 195.124 $\pm$ 0.031 χ^2 /NDF: 2997278.8/29

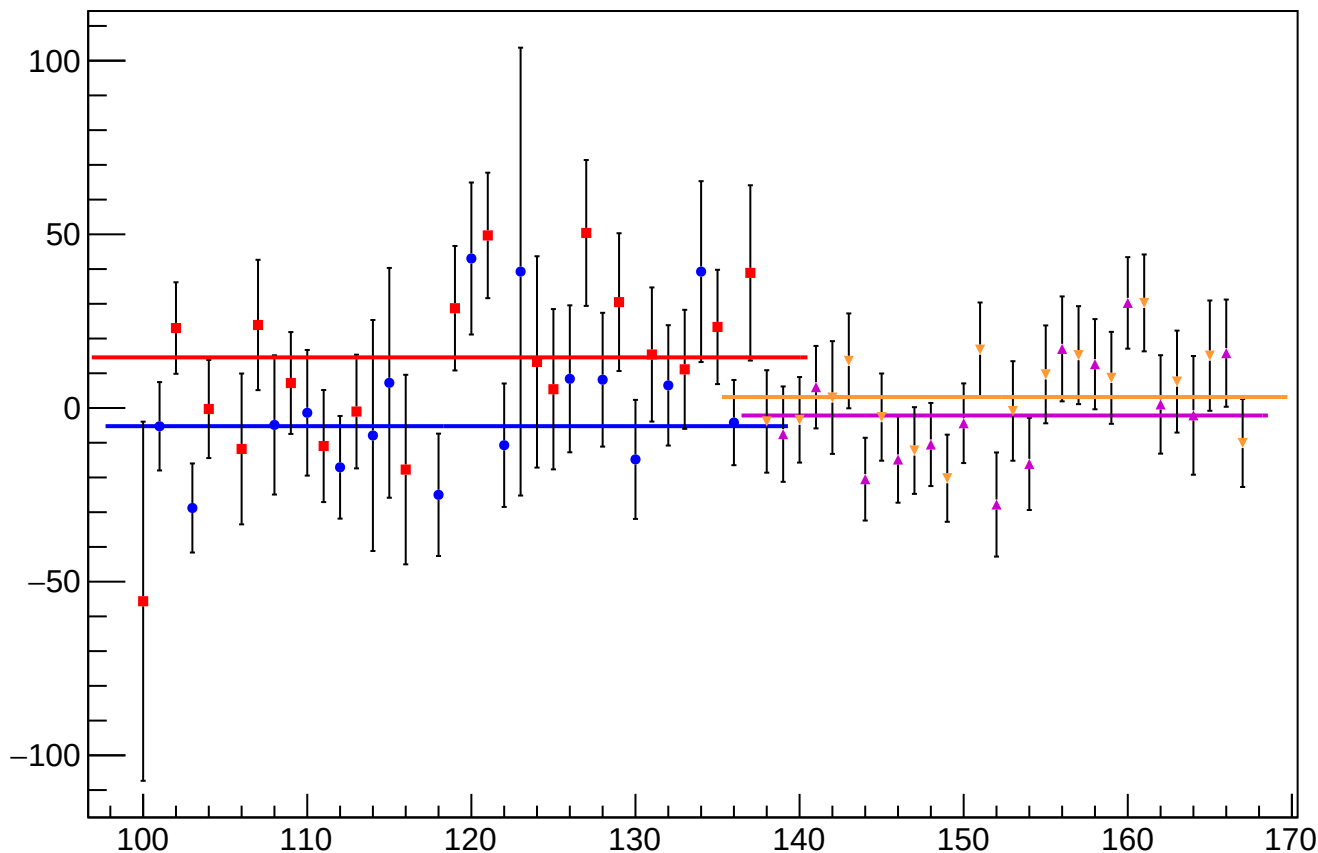
Right: 181.469 $\pm$ 0.037 χ^2 /NDF: 2672713.5/35

In: 182.227 $\pm$ 0.033 χ^2 /NDF:2568486.2/30

Out: 197.574 $\pm$ 0.034 χ^2 /NDF:3076484.8/34

All: 189.618 $\pm$ 0.024 χ^2 /NDF: 5750521.0/65

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 3.156 ± 3.420 χ^2/NDF : 14.0/15

Right Out: 14.579 ± 4.265 χ^2/NDF : 19.5/18

Left In: -2.161 ± 3.551 χ^2/NDF : 18.9/13

Left: 0.598 ± 2.463 χ^2/NDF : 34.1/29

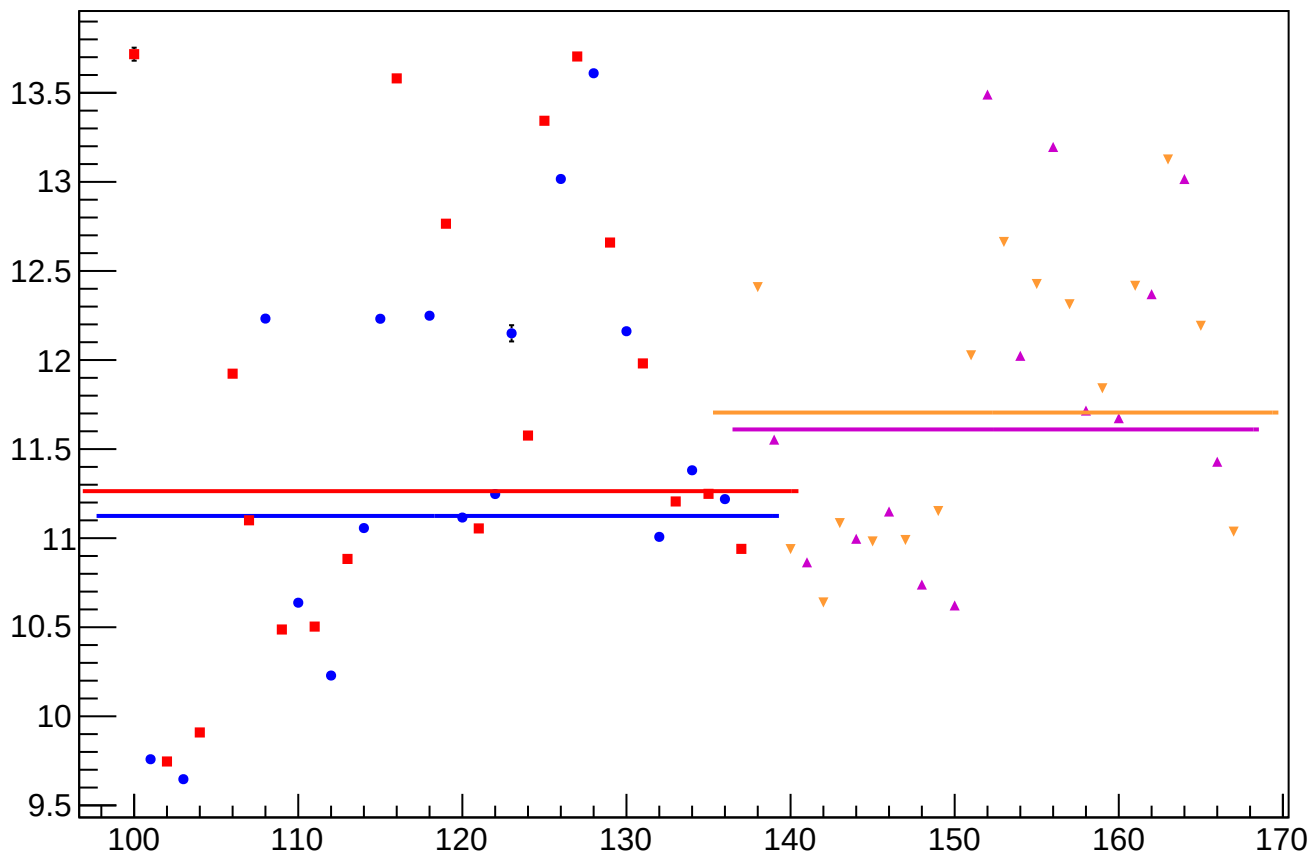
Right: 4.883 ± 3.047 χ^2/NDF : 45.6/35

In: -3.386 ± 2.752 χ^2/NDF : 34.7/30

Out: 7.626 ± 2.668 χ^2/NDF : 37.9/34

All: 2.291 ± 1.916 χ^2/NDF : 80.9/65

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: 11.610 $\pm$ 0.003 χ^2 /NDF:116589.8/13

Left: 11.660 $\pm$ 0.002 χ^2 /NDF: 210104.5/29

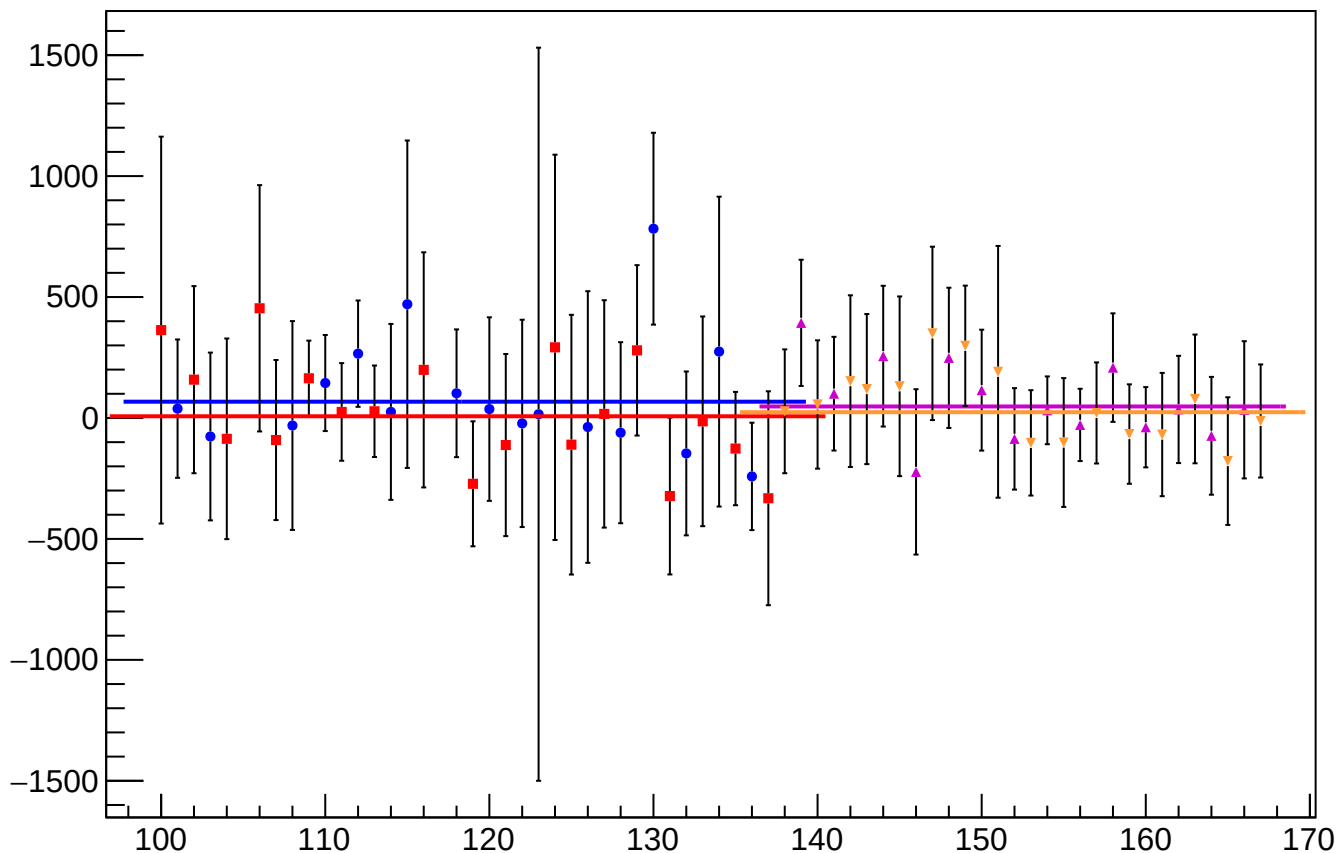
Right: 11.196 $\pm$ 0.002 χ^2 /NDF: 281295.0/35

In: 11.416 $\pm$ 0.002 χ^2 /NDF:264036.9/30

Out: 11.533 $\pm$ 0.002 χ^2 /NDF:253537.1/34

All: 11.476 $\pm$ 0.001 χ^2 /NDF: 519406.8/65

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 23.929+/-66.434 χ^2/NDF : 4.0/15

Right Out: 7.039+/-70.212 χ^2/NDF : 6.4/18

Left In: 47.542+/-57.229 χ^2/NDF : 5.2/13

Left: 37.483+/-43.359 χ^2/NDF : 9.3/29

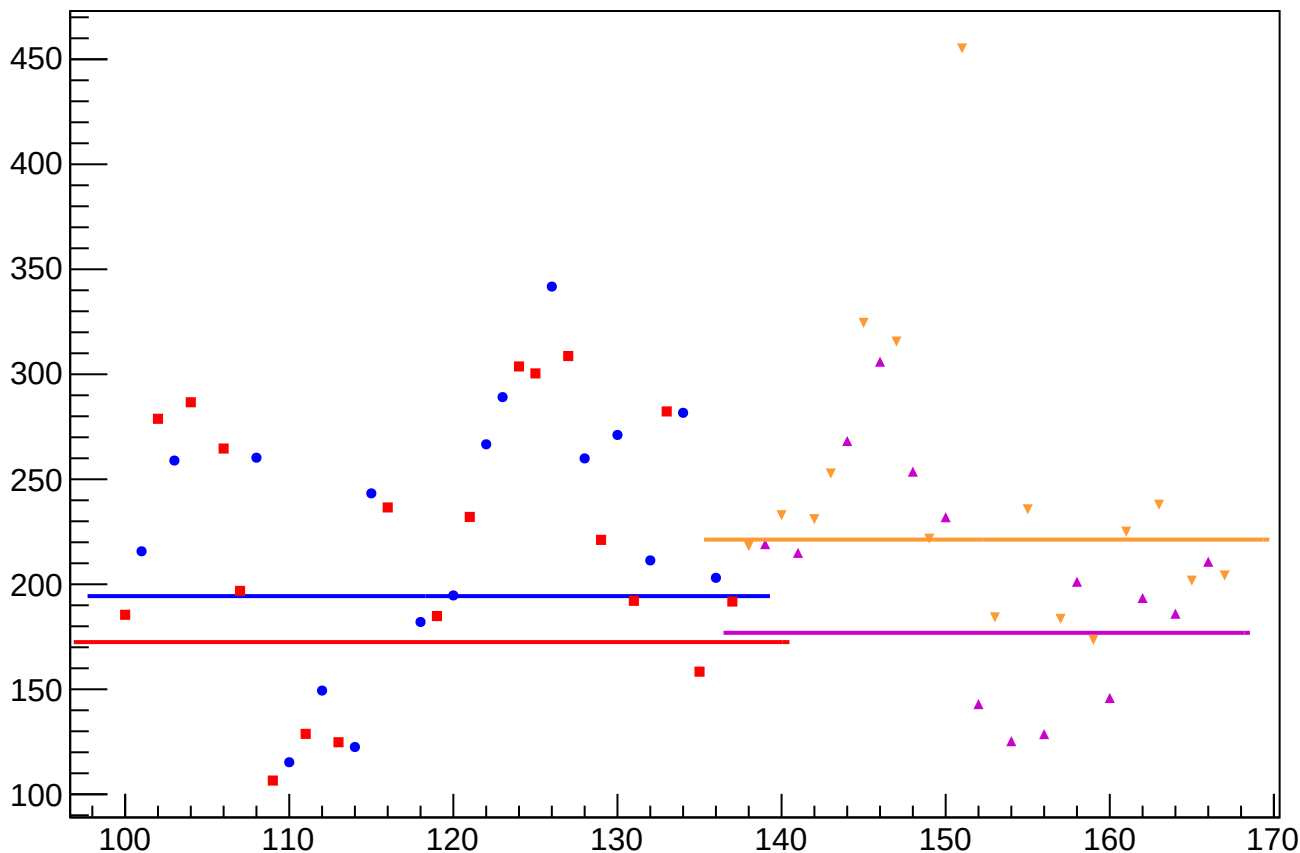
Right: 33.329+/-52.718 χ^2/NDF : 14.2/35

In: 54.252+/-46.510 χ^2/NDF : 12.7/30

Out: 15.950+/-48.256 χ^2/NDF : 10.5/34

All: 35.807+/-33.488 χ^2/NDF : 23.5/65

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: 176.888+/-0.040 χ^2/NDF : 1492107.7/13

Left: 195.801+/-0.031 χ^2/NDF : 2994702.3/29

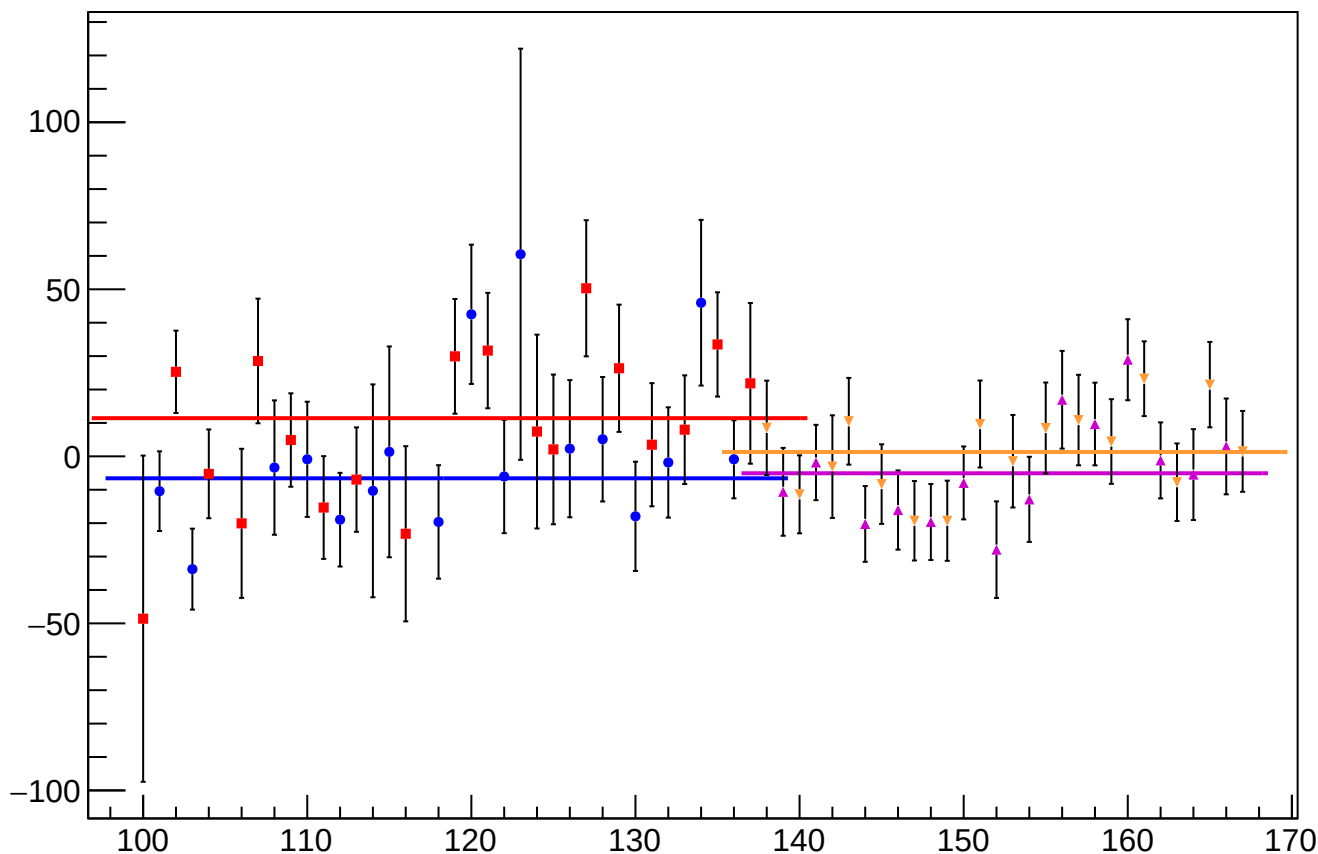
Right: 182.022+/-0.037 χ^2/NDF : 2659717.0/35

In: 182.822+/-0.033 χ^2/NDF : 2560678.0/30

Out: 198.229+/-0.034 χ^2/NDF : 3069548.7/34

All: 190.241+/-0.024 χ^2/NDF : 5735918.7/65

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575+/-4.157 χ^2/NDF : 19.3/16

Left Out: 1.310+/-3.160 χ^2/NDF : 16.8/15

Right Out: 11.423+/-4.080 χ^2/NDF : 23.0/18

Left In: -5.069+/-3.304 χ^2/NDF : 19.5/13

Left: -1.738+/-2.284 χ^2/NDF : 38.3/29

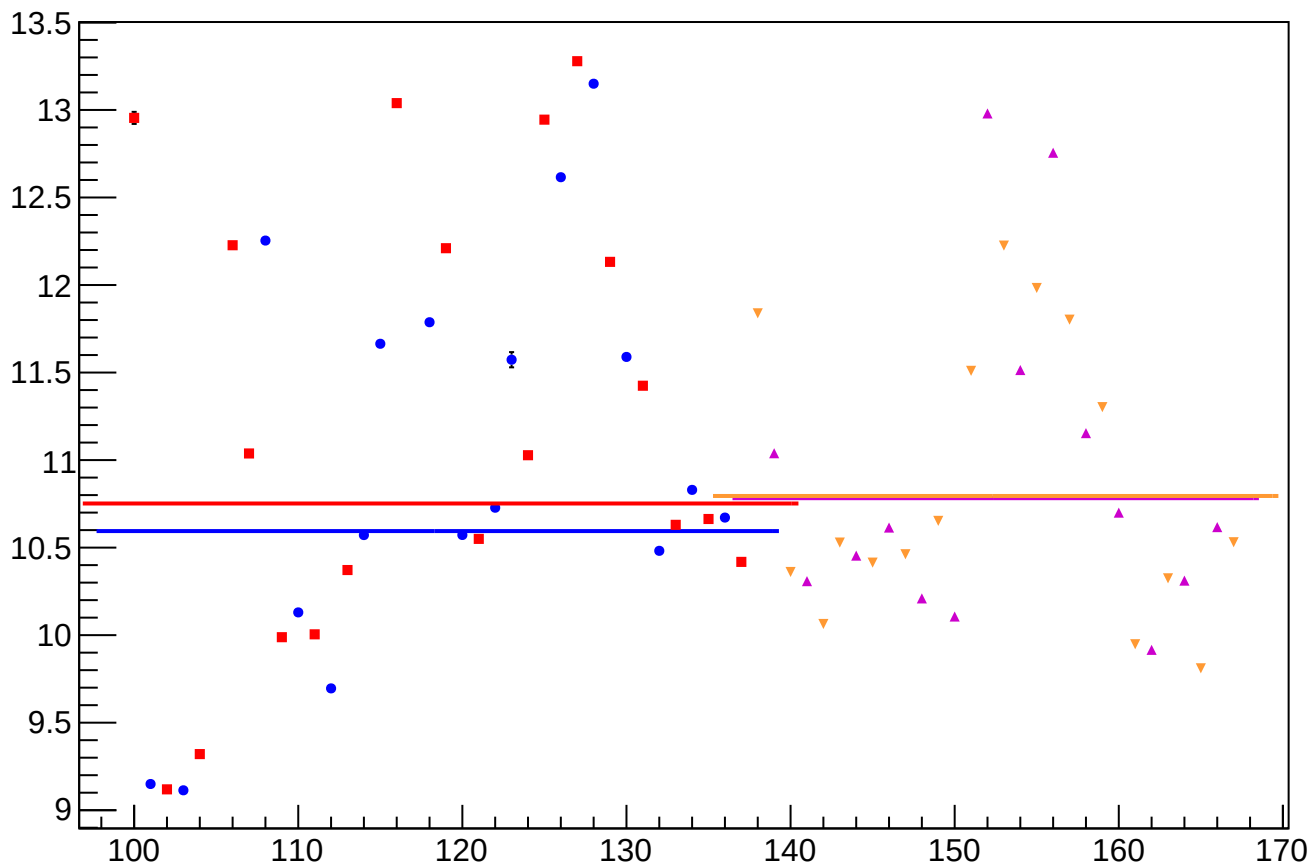
Right: 2.593+/-2.912 χ^2/NDF : 51.8/35

In: -5.652+/-2.586 χ^2/NDF : 38.9/30

Out: 5.103+/-2.498 χ^2/NDF : 43.6/34

All: -0.088+/-1.797 χ^2/NDF : 91.5/65

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 ± 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.795 ± 0.002 χ^2/NDF : 107346.0/15

Right Out: 10.752 ± 0.003 χ^2/NDF : 177173.0/18

Left In: 10.782 ± 0.002 χ^2/NDF : 124507.5/13

Left: 10.789 ± 0.002 χ^2/NDF : 231868.8/29

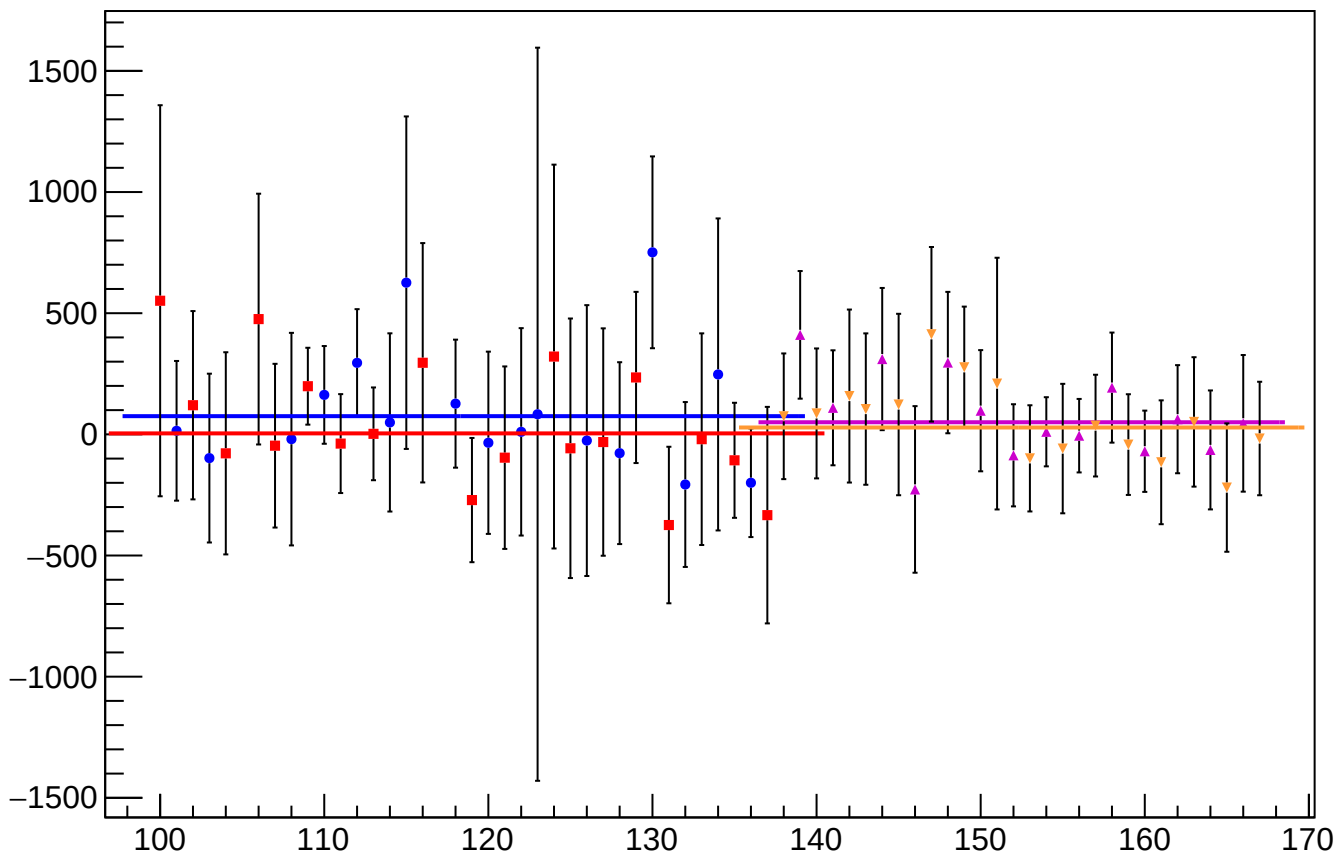
Right: 10.675 ± 0.002 χ^2/NDF : 338695.4/35

In: 10.710 ± 0.002 χ^2/NDF : 287070.4/30

Out: 10.779 ± 0.002 χ^2/NDF : 284657.5/34

All: 10.745 ± 0.001 χ^2/NDF : 572469.5/65

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: 49.964+/-57.802 χ^2/NDF : 5.9/13

Left: 40.700+/-43.720 χ^2/NDF : 10.3/29

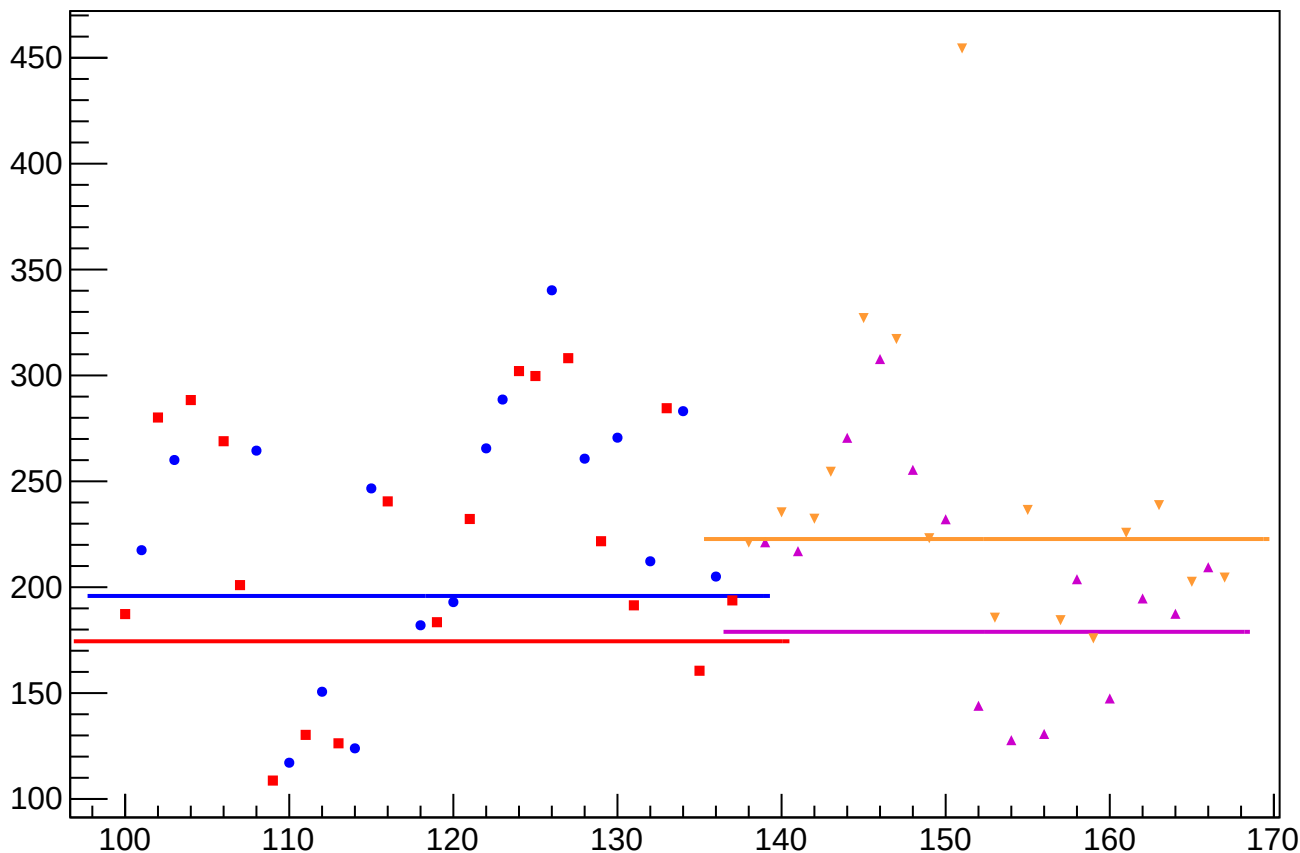
Right: 35.109+/-53.156 χ^2/NDF : 15.5/35

In: 58.531+/-46.923 χ^2/NDF : 13.6/30

Out: 16.871+/-48.628 χ^2/NDF : 11.8/34

All: 38.444+/-33.766 χ^2/NDF : 25.8/65

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: 178.930 $\pm$ 0.041 χ^2/NDF : 1451122.9/13

Left: 197.681 $\pm$ 0.031 χ^2/NDF : 2922837.6/29

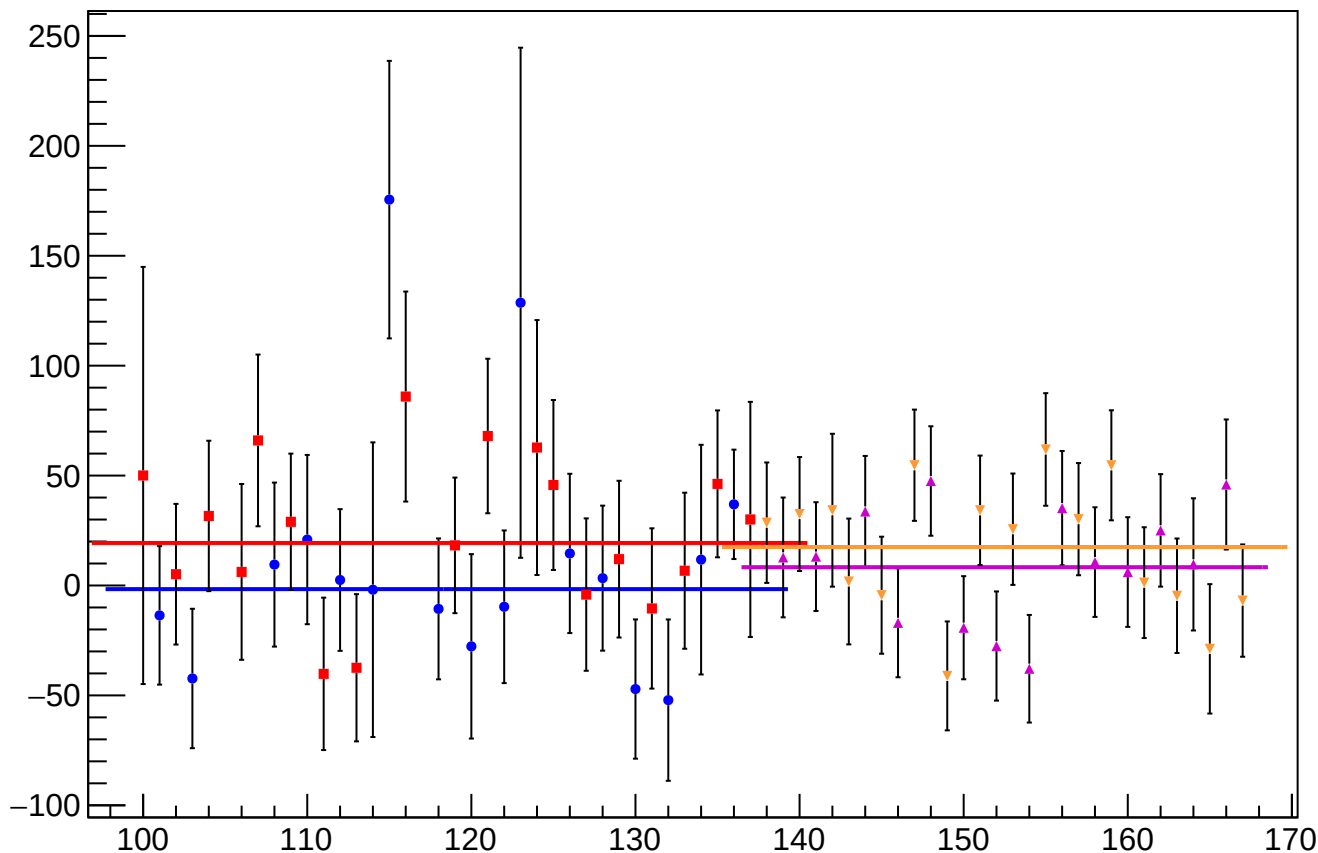
Right: 183.832 $\pm$ 0.038 χ^2/NDF : 2587830.9/35

In: 184.706 $\pm$ 0.033 χ^2/NDF : 2488943.7/30

Out: 200.026 $\pm$ 0.034 χ^2/NDF : 2999905.9/34

All: 192.093 $\pm$ 0.024 χ^2/NDF : 5591638.7/65

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 $\pm$ 8.881 χ^2/NDF : 18.5/16

Left Out: 17.521 $\pm$ 6.589 χ^2/NDF :20.0/15

Right Out: 19.357 $\pm$ 8.556 χ^2/NDF : 14.8/18

Left In: 8.327 $\pm$ 6.841 χ^2/NDF :14.8/13

Left: 13.096 $\pm$ 4.745 χ^2/NDF : 35.7/29

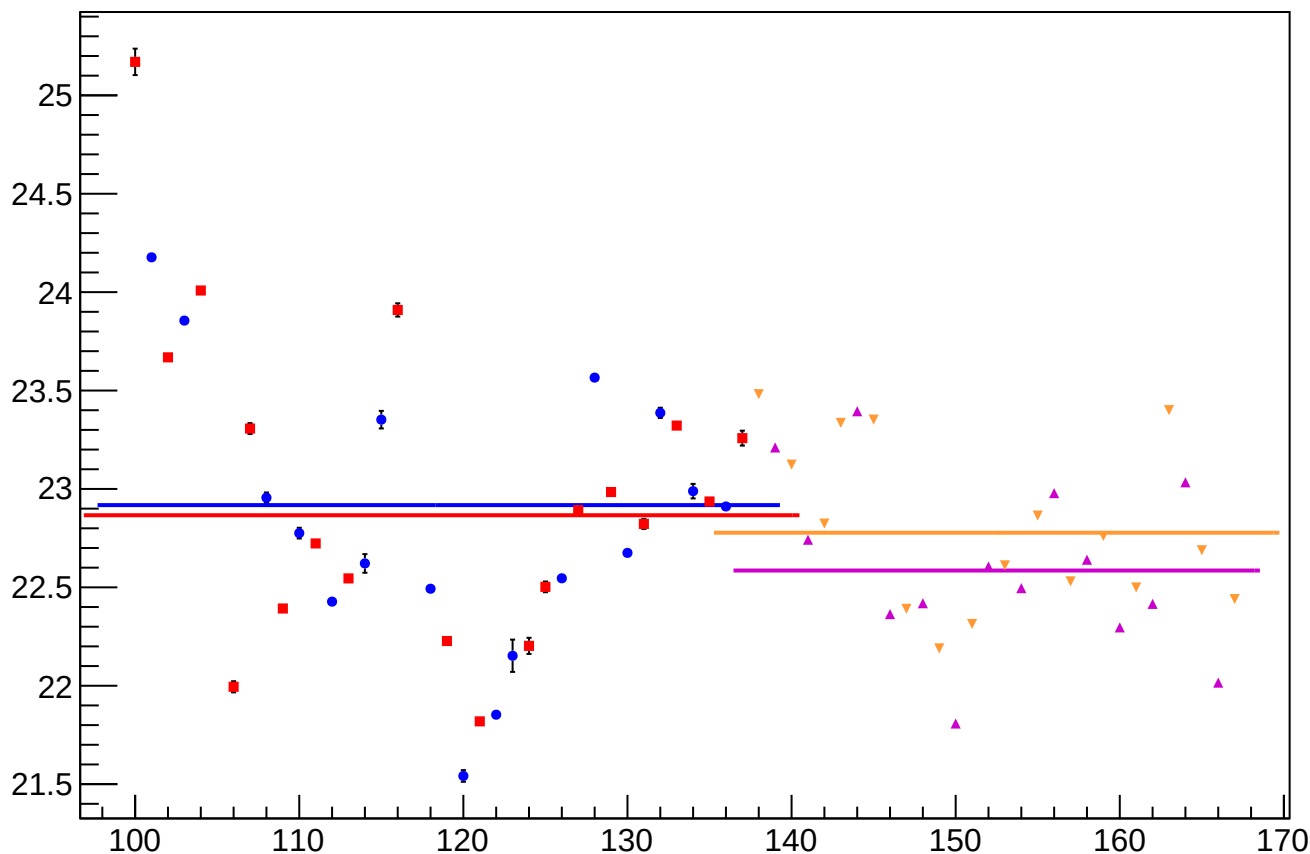
Right: 9.244 $\pm$ 6.162 χ^2/NDF : 36.2/35

In: 4.610 $\pm$ 5.419 χ^2/NDF :34.1/30

Out: 18.204 $\pm$ 5.220 χ^2/NDF :34.8/34

All: 11.662 $\pm$ 3.760 χ^2/NDF : 72.1/65

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: 22.585 $\pm$ 0.005 χ^2 /NDF: 7669.8/13

Left: 22.685 $\pm$ 0.003 χ^2 /NDF: 16200.4/29

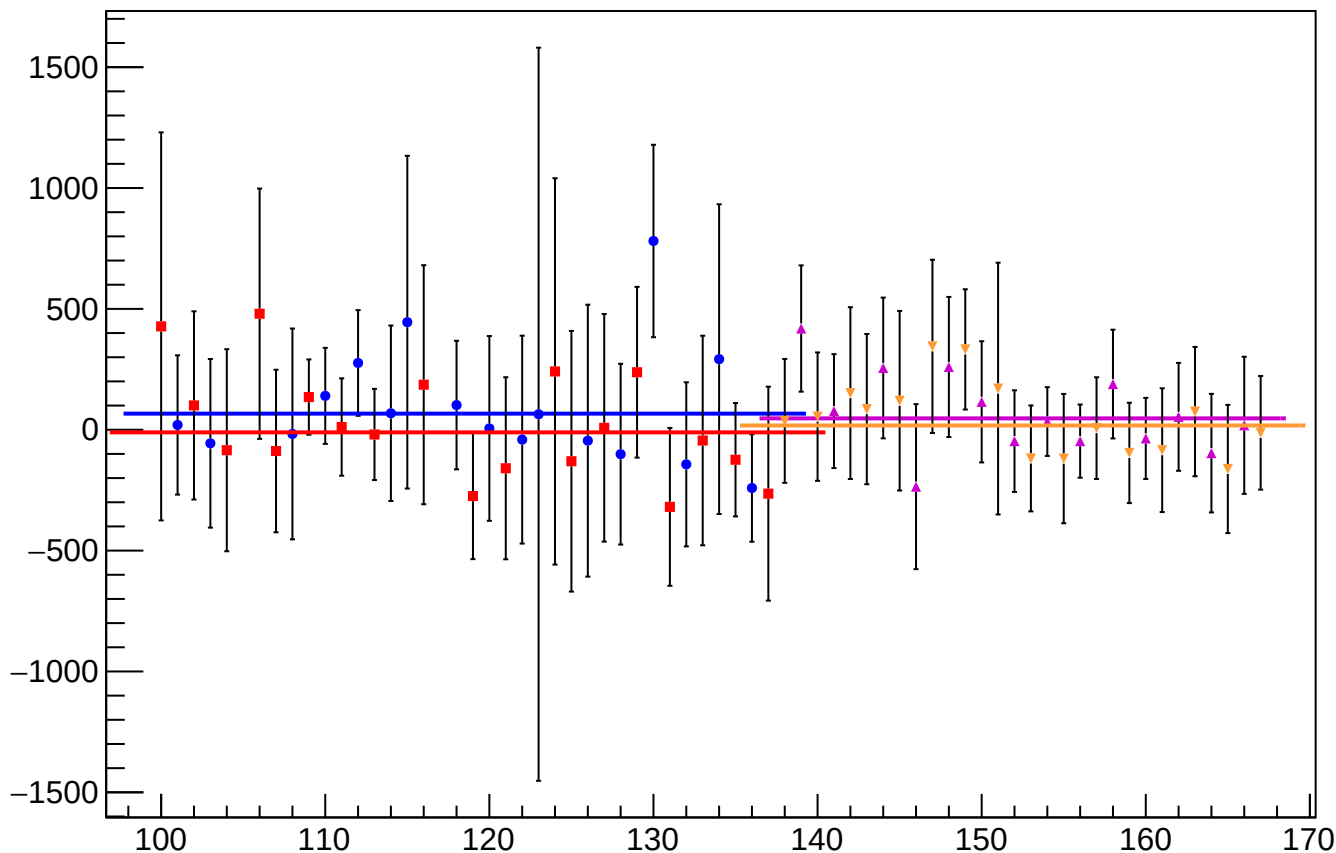
Right: 22.891 $\pm$ 0.004 χ^2 /NDF: 22559.6/35

In: 22.709 $\pm$ 0.004 χ^2 /NDF: 20900.5/30

Out: 22.811 $\pm$ 0.004 χ^2 /NDF: 18899.4/34

All: 22.762 $\pm$ 0.003 χ^2 /NDF: 40163.4/65

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: 47.025 $\pm$ 57.637 χ^2 /NDF:5.4/13

Left: 34.493 $\pm$ 43.613 χ^2 /NDF: 10.0/29

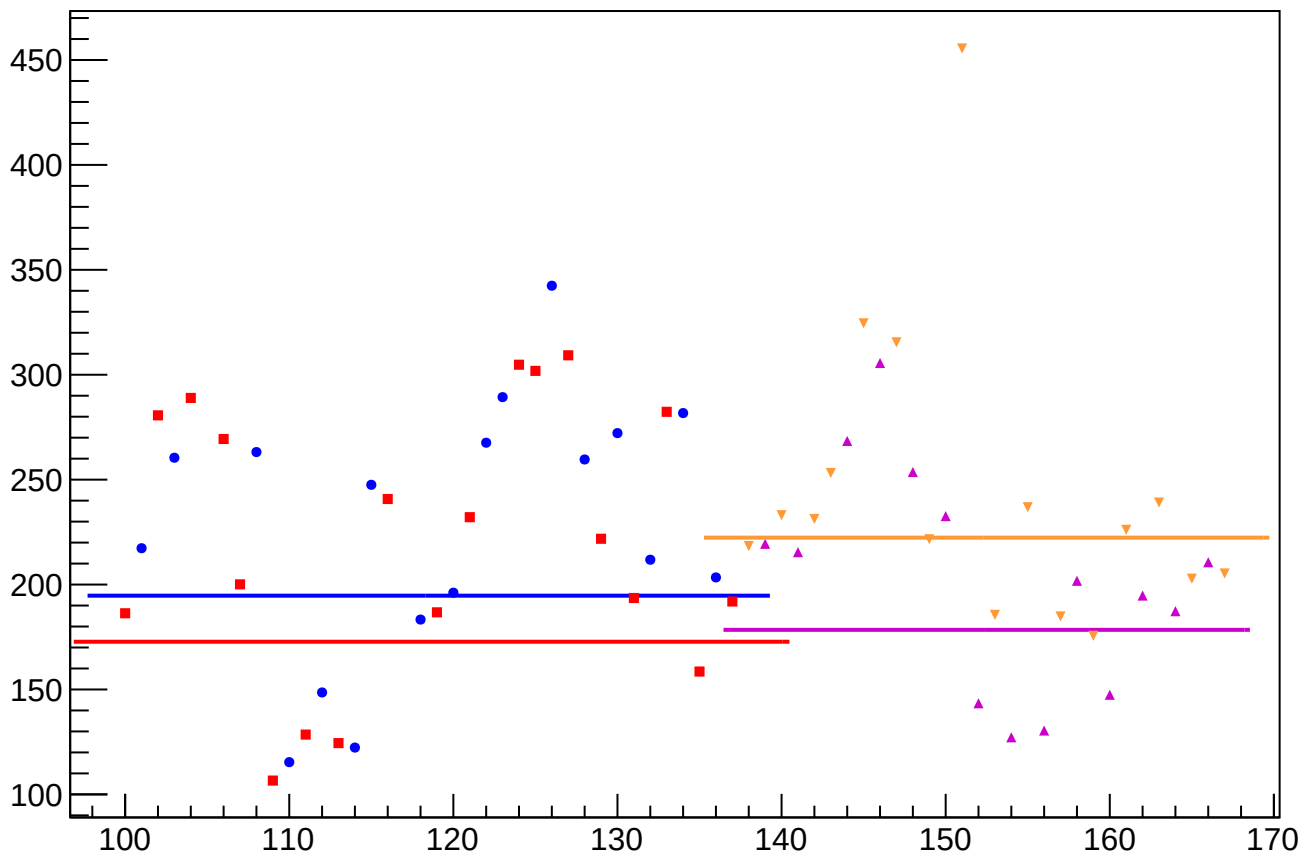
Right: 22.979 $\pm$ 52.843 χ^2 /NDF: 13.8/35

In: 53.749 $\pm$ 46.763 χ^2 /NDF:13.0/30

Out: 4.184 $\pm$ 48.418 χ^2 /NDF:10.2/34

All: 29.828 $\pm$ 33.636 χ^2 /NDF: 23.8/65

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: 178.420 $\pm$ 0.041 χ^2 /NDF:1440199.7/13

Left: 197.198 $\pm$ 0.031 χ^2 /NDF: 2905901.7/29

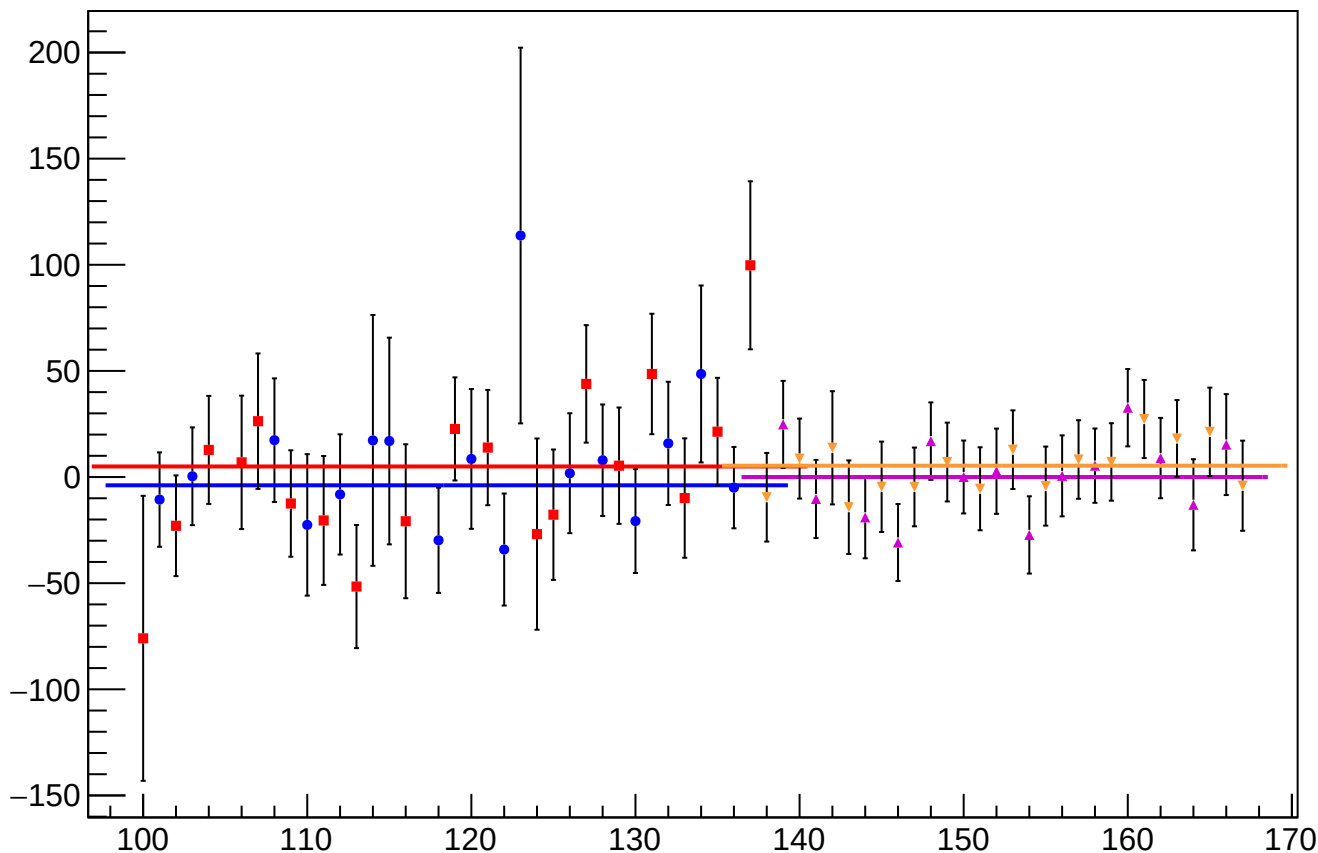
Right: 182.331 $\pm$ 0.037 χ^2 /NDF: 2701685.9/35

In: 183.985 $\pm$ 0.033 χ^2 /NDF:2514615.2/30

Out: 198.883 $\pm$ 0.034 χ^2 /NDF:3089172.2/34

All: 191.175 $\pm$ 0.024 χ^2 /NDF: 5701755.5/65

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: 0.013 $\pm$ 5.083 χ^2 /NDF:13.1/13

Left: 2.773 $\pm$ 3.532 χ^2 /NDF: 19.1/29

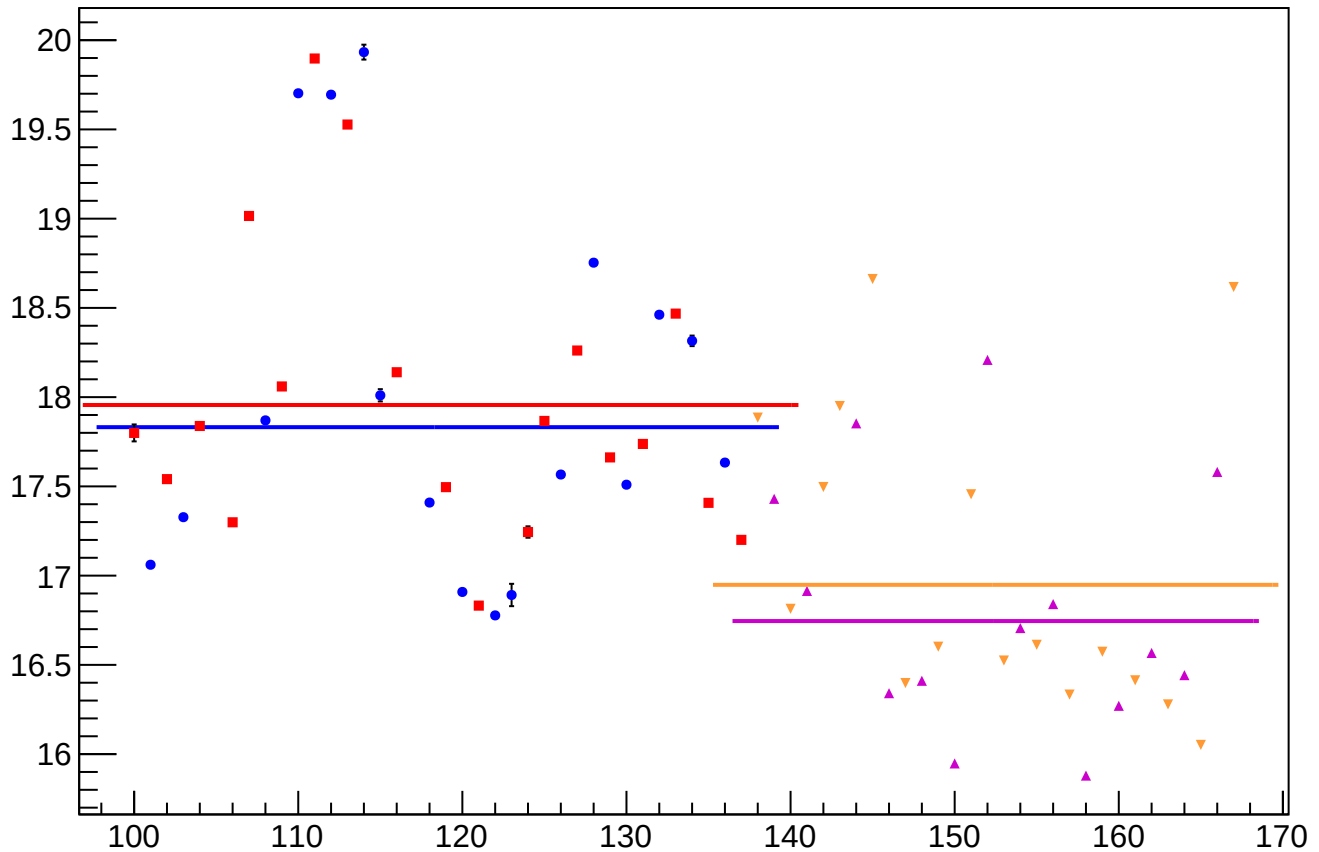
Right: 0.668 $\pm$ 4.822 χ^2 /NDF: 30.6/35

In: -1.358 $\pm$ 4.095 χ^2 /NDF:21.7/30

Out: 5.224 $\pm$ 3.967 χ^2 /NDF:26.8/34

All: 2.038 $\pm$ 2.849 χ^2 /NDF: 49.8/65

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: 16.746 $\pm$ 0.004 χ^2 /NDF: 34958.6/13

Left: 16.850 $\pm$ 0.002 χ^2 /NDF: 87707.5/29

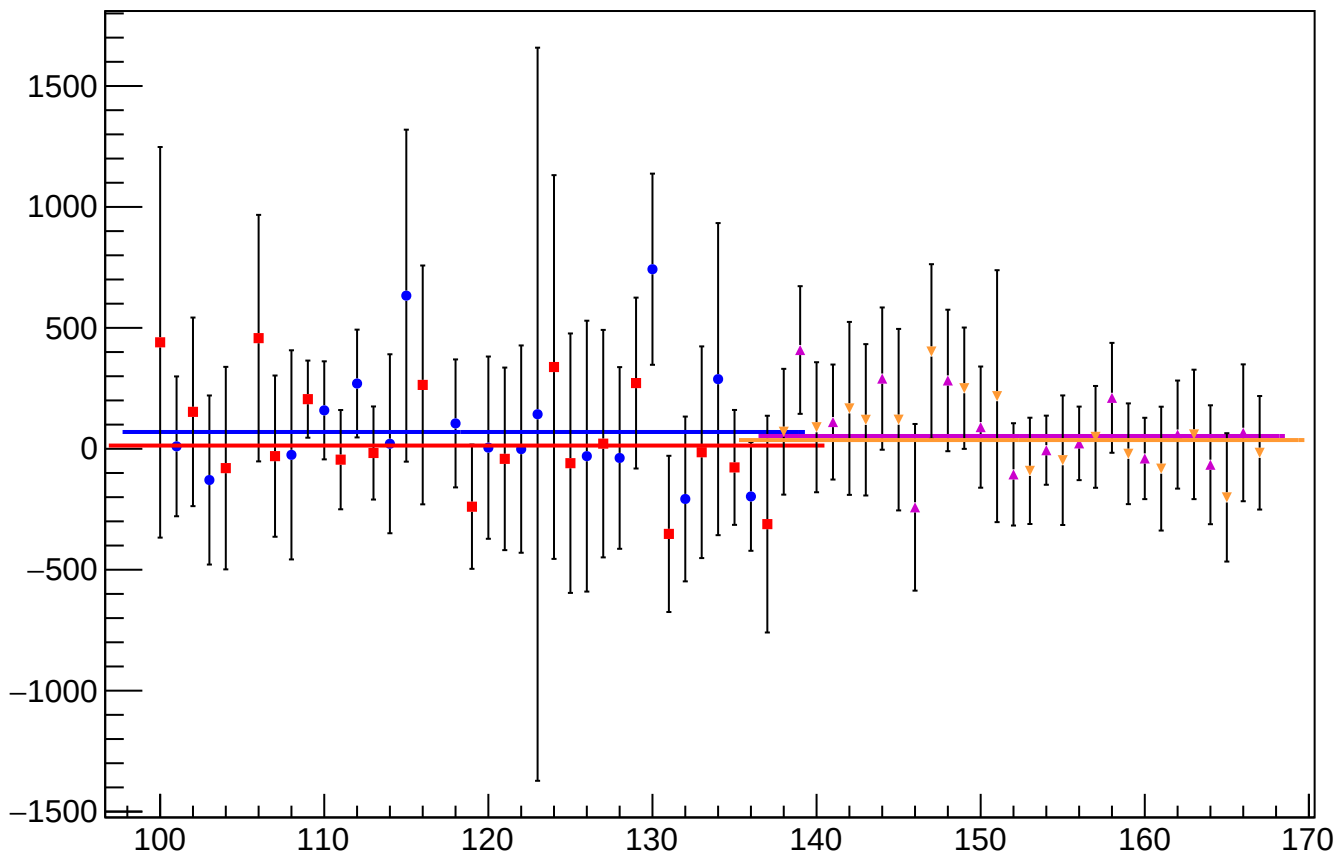
Right: 17.896 $\pm$ 0.003 χ^2 /NDF: 56643.8/35

In: 17.127 $\pm$ 0.003 χ^2 /NDF: 97860.9/30

Out: 17.299 $\pm$ 0.003 χ^2 /NDF: 105814.7/34

All: 17.215 $\pm$ 0.002 χ^2 /NDF: 205502.4/65

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 36.131 $\pm$ 66.985 χ^2 /NDF:3.8/15

Right Out: 13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

Left In: 52.937 $\pm$ 57.922 χ^2 /NDF:5.7/13

Left: 45.747 $\pm$ 43.814 χ^2 /NDF: 9.5/29

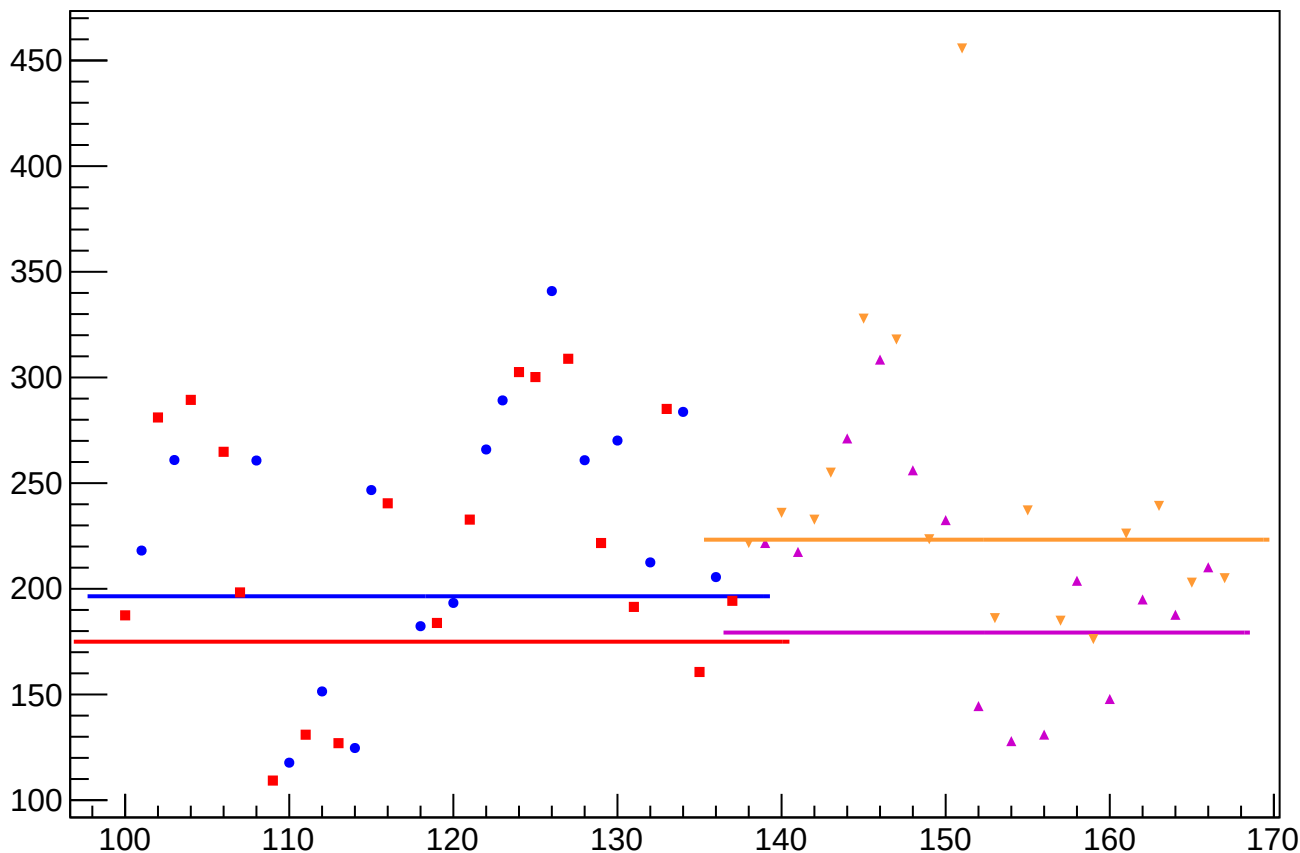
Right: 37.955 $\pm$ 53.280 χ^2 /NDF: 14.4/35

In: 58.586 $\pm$ 47.026 χ^2 /NDF:13.1/30

Out: 25.438 $\pm$ 48.737 χ^2 /NDF:10.5/34

All: 42.604 $\pm$ 33.841 χ^2 /NDF: 23.9/65

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: 179.300+/-0.041 χ^2/NDF : 1450803.6/13

Left: 198.101+/-0.031 χ^2/NDF : 2923279.3/29

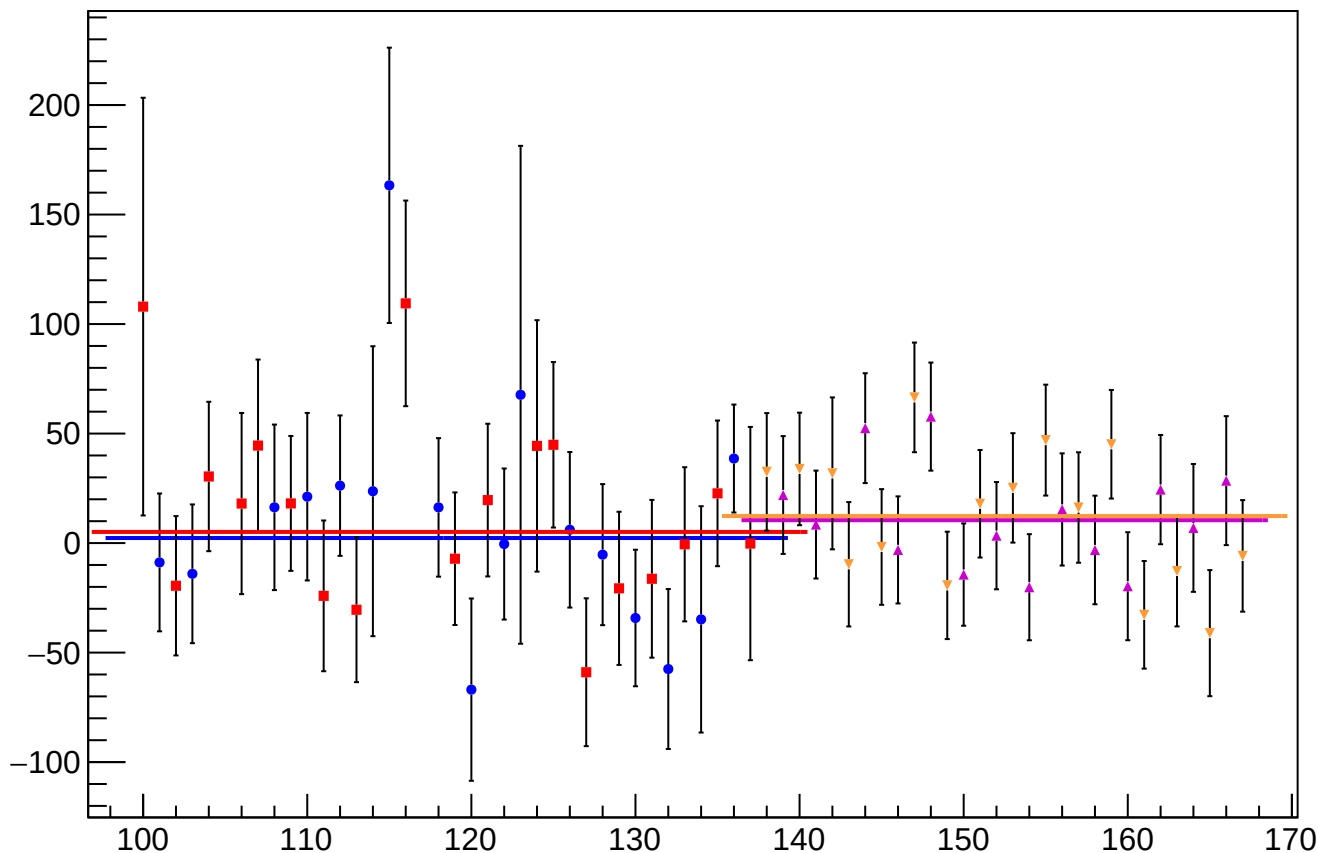
Right: 184.383+/-0.038 χ^2/NDF : 2555448.8/35

In: 185.152+/-0.033 χ^2/NDF : 2474990.8/30

Out: 200.532+/-0.034 χ^2/NDF : 2979696.6/34

All: 192.567+/-0.024 χ^2/NDF : 5557829.1/65

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 $\pm$ 8.805 χ^2 /NDF: 18.1/16

Left Out: 12.345 $\pm$ 6.501 χ^2 /NDF:21.1/15

Right Out: 5.089 $\pm$ 8.479 χ^2 /NDF: 17.1/18

Left In: 10.443 $\pm$ 6.762 χ^2 /NDF:12.3/13

Left: 11.432 $\pm$ 4.686 χ^2 /NDF: 33.5/29

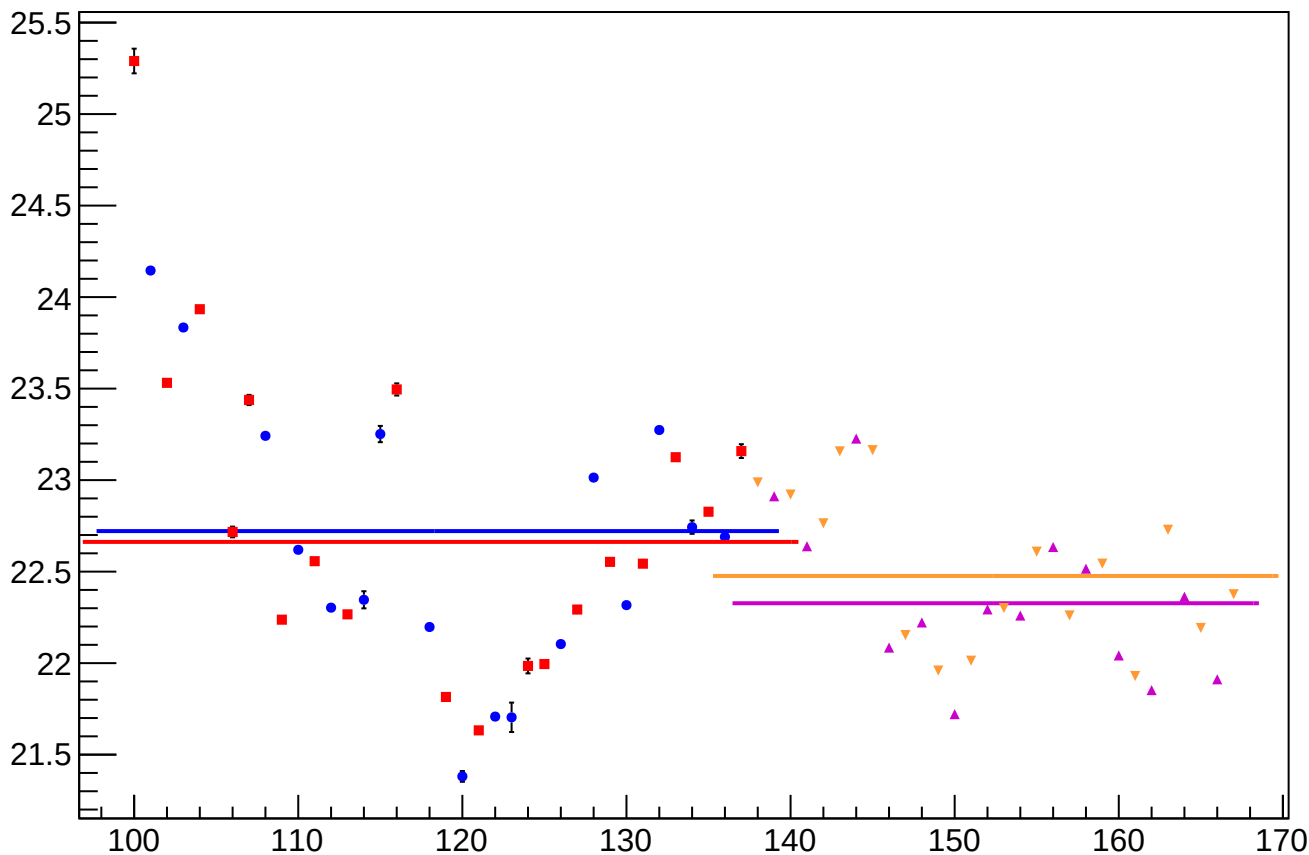
Right: 3.750 $\pm$ 6.108 χ^2 /NDF: 35.3/35

In: 7.425 $\pm$ 5.363 χ^2 /NDF:31.0/30

Out: 9.659 $\pm$ 5.159 χ^2 /NDF:38.7/34

All: 8.585 $\pm$ 3.718 χ^2 /NDF: 69.8/65

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.476 $\pm$ 0.005 χ^2 /NDF: 7631.6/15

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

Left In: 22.327 $\pm$ 0.005 χ^2 /NDF: 7232.4/13

Left: 22.405 $\pm$ 0.003 χ^2 /NDF: 15369.5/29

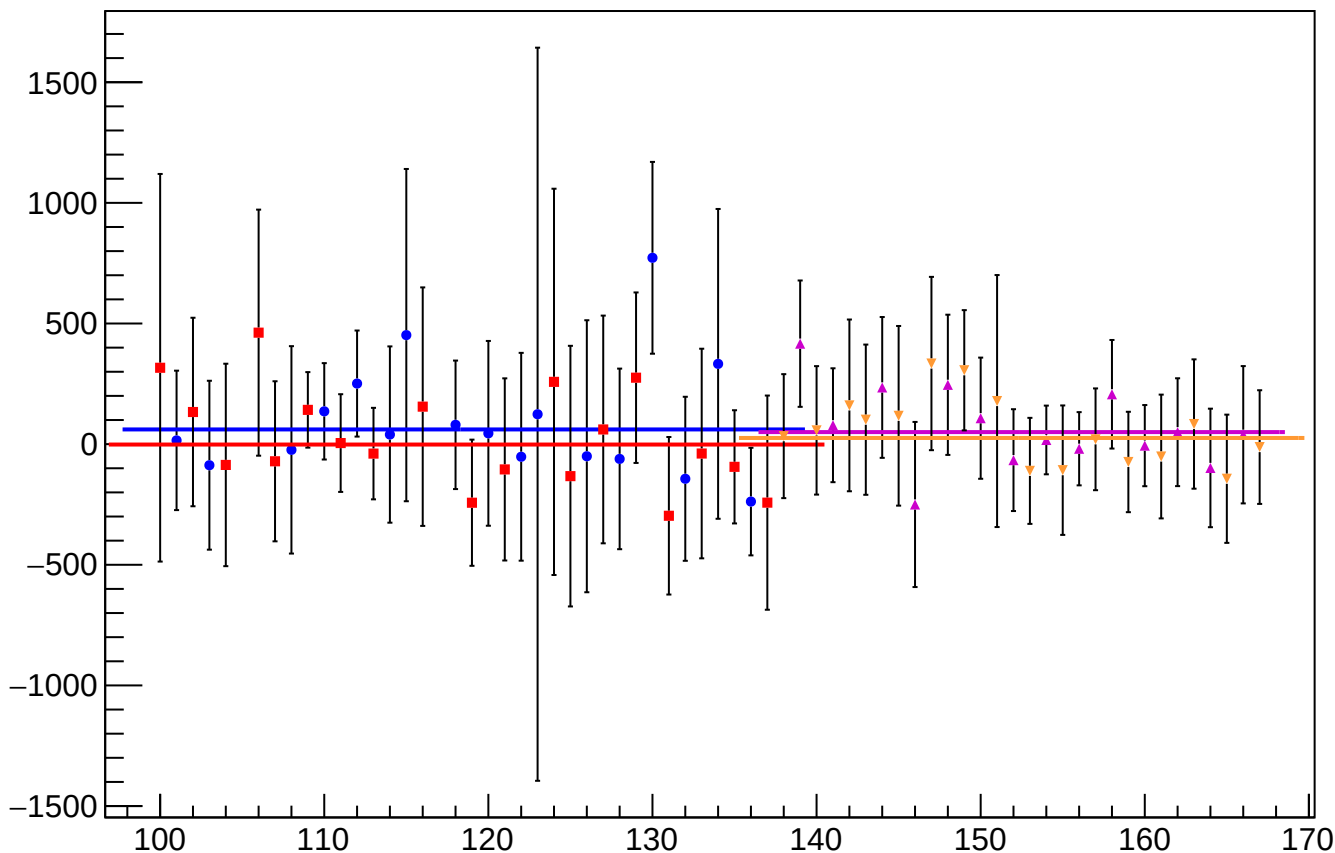
Right: 22.691 $\pm$ 0.004 χ^2 /NDF: 26582.8/35

In: 22.473 $\pm$ 0.004 χ^2 /NDF: 23335.8/30

Out: 22.545 $\pm$ 0.004 χ^2 /NDF: 21193.9/34

All: 22.511 $\pm$ 0.003 χ^2 /NDF: 44715.6/65

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: 49.925 $\pm$ 57.756 χ^2 /NDF:5.2/13

Left: 39.531 $\pm$ 43.706 χ^2 /NDF: 9.1/29

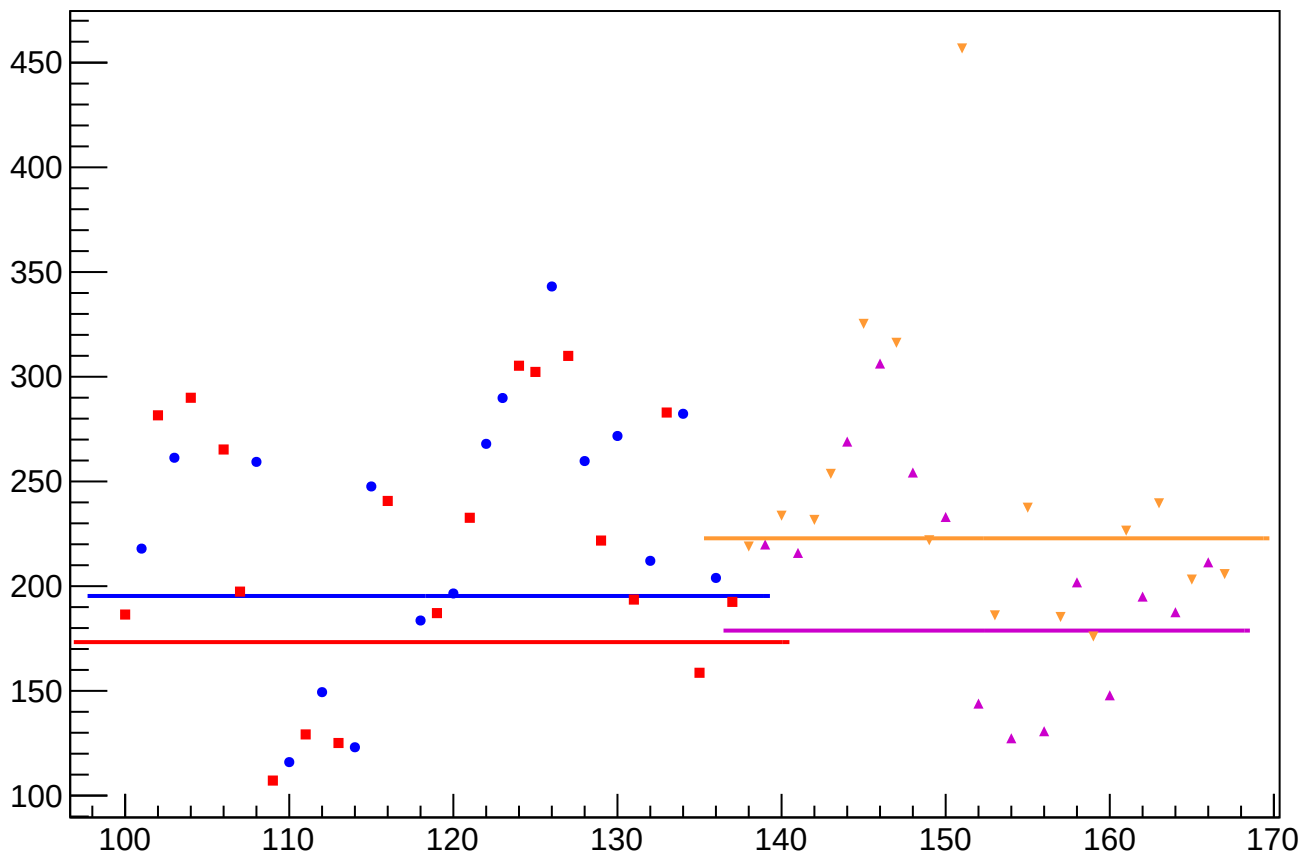
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 53.694 $\pm$ 46.867 χ^2 /NDF:12.4/30

Out: 12.710 $\pm$ 48.528 χ^2 /NDF:9.0/34

All: 33.915 $\pm$ 33.712 χ^2 /NDF: 21.8/65

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: 178.788+/-0.041 χ^2/NDF : 1439973.9/13

Left: 197.618+/-0.031 χ^2/NDF : 2906470.5/29

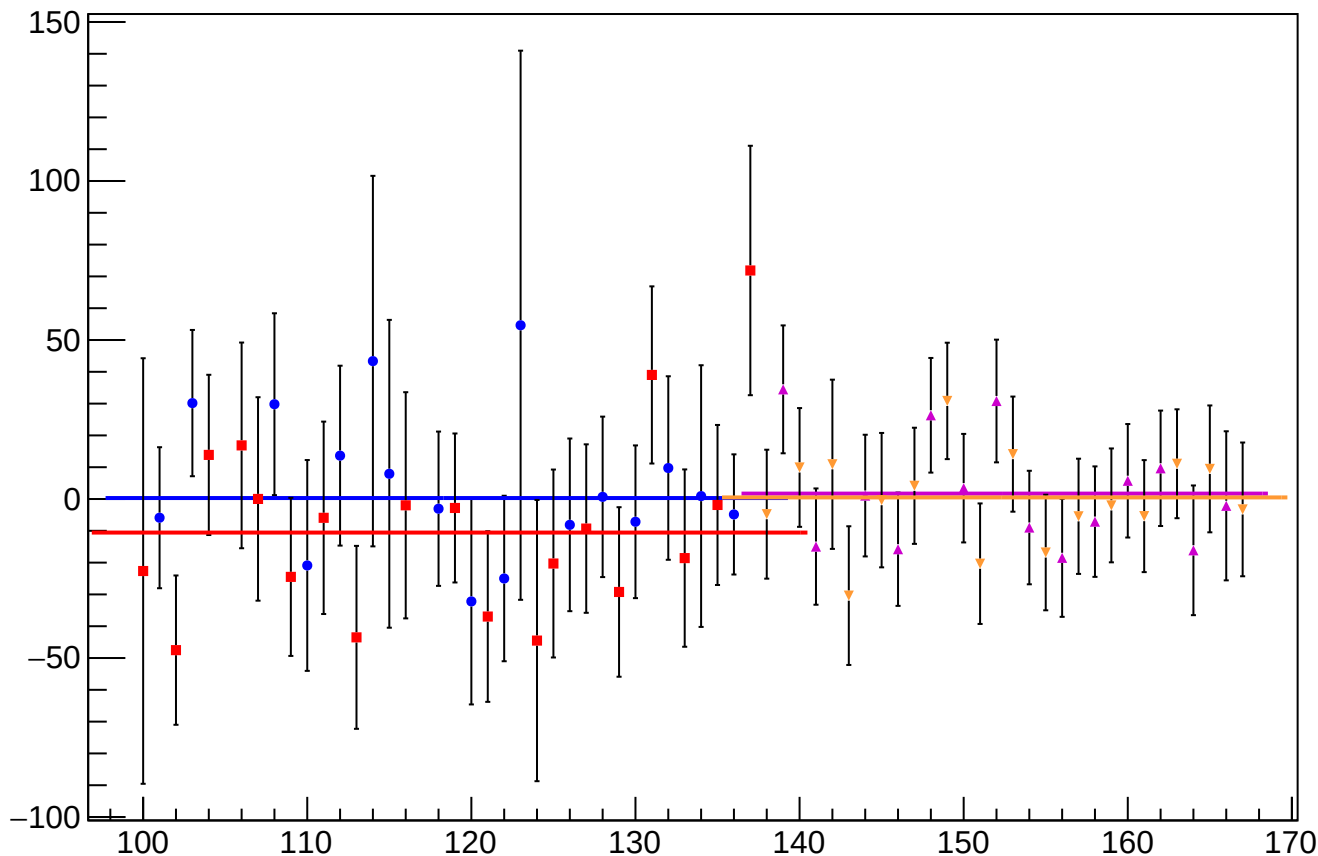
Right: 182.896+/-0.037 χ^2/NDF : 2667678.3/35

In: 184.433+/-0.033 χ^2/NDF : 2500117.3/30

Out: 199.398+/-0.034 χ^2/NDF : 3067536.2/34

All: 191.655+/-0.024 χ^2/NDF : 5666057.2/65

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: 1.700 ± 4.981 χ^2/NDF : 11.4/13

Left: 1.077 ± 3.455 χ^2/NDF : 20.3/29

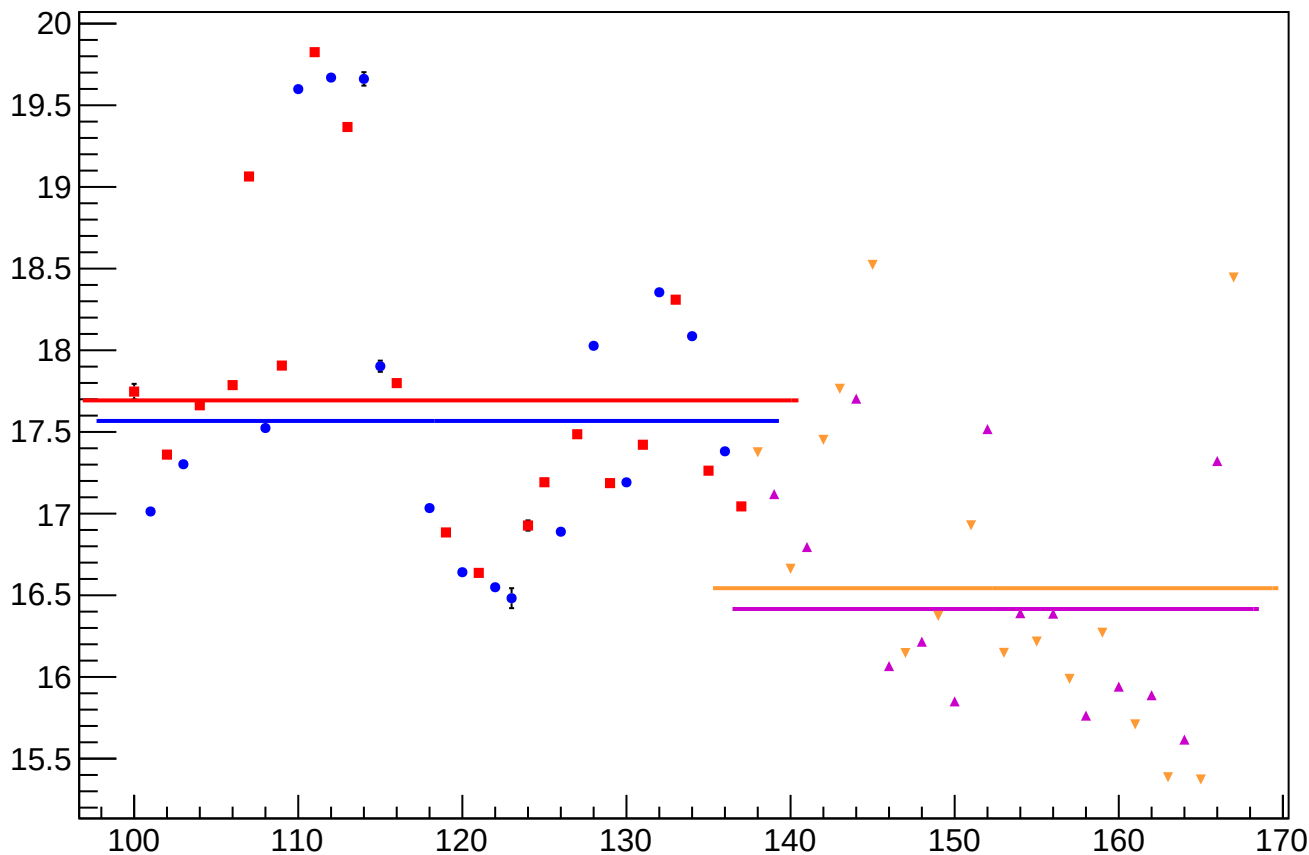
Right: -5.273 ± 4.751 χ^2/NDF : 24.1/35

In: 1.214 ± 4.021 χ^2/NDF : 18.2/30

Out: -3.298 ± 3.885 χ^2/NDF : 26.7/34

All: -1.119 ± 2.794 χ^2/NDF : 45.6/65

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: 16.416 $\pm$ 0.004 χ^2 /NDF: 34108.3/13

Left: 16.482 $\pm$ 0.002 χ^2 /NDF: 107142.7/29

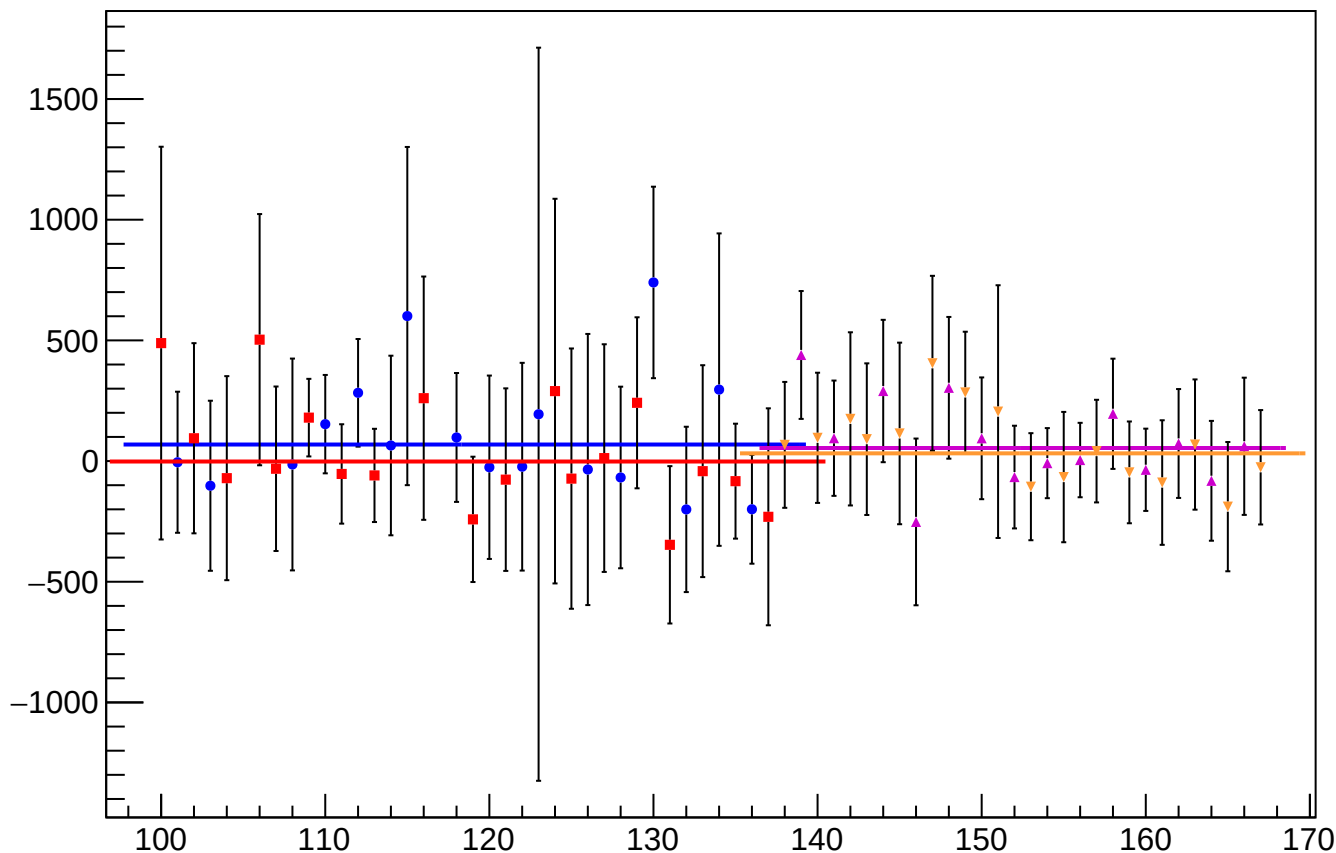
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.817 $\pm$ 0.003 χ^2 /NDF: 104476.0/30

Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 142622.0/34

All: 16.880 $\pm$ 0.002 χ^2 /NDF: 248040.9/65

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: 54.139+/-58.478 χ^2/NDF : 5.9/13

Left: 44.635+/-44.191 χ^2/NDF : 10.1/29

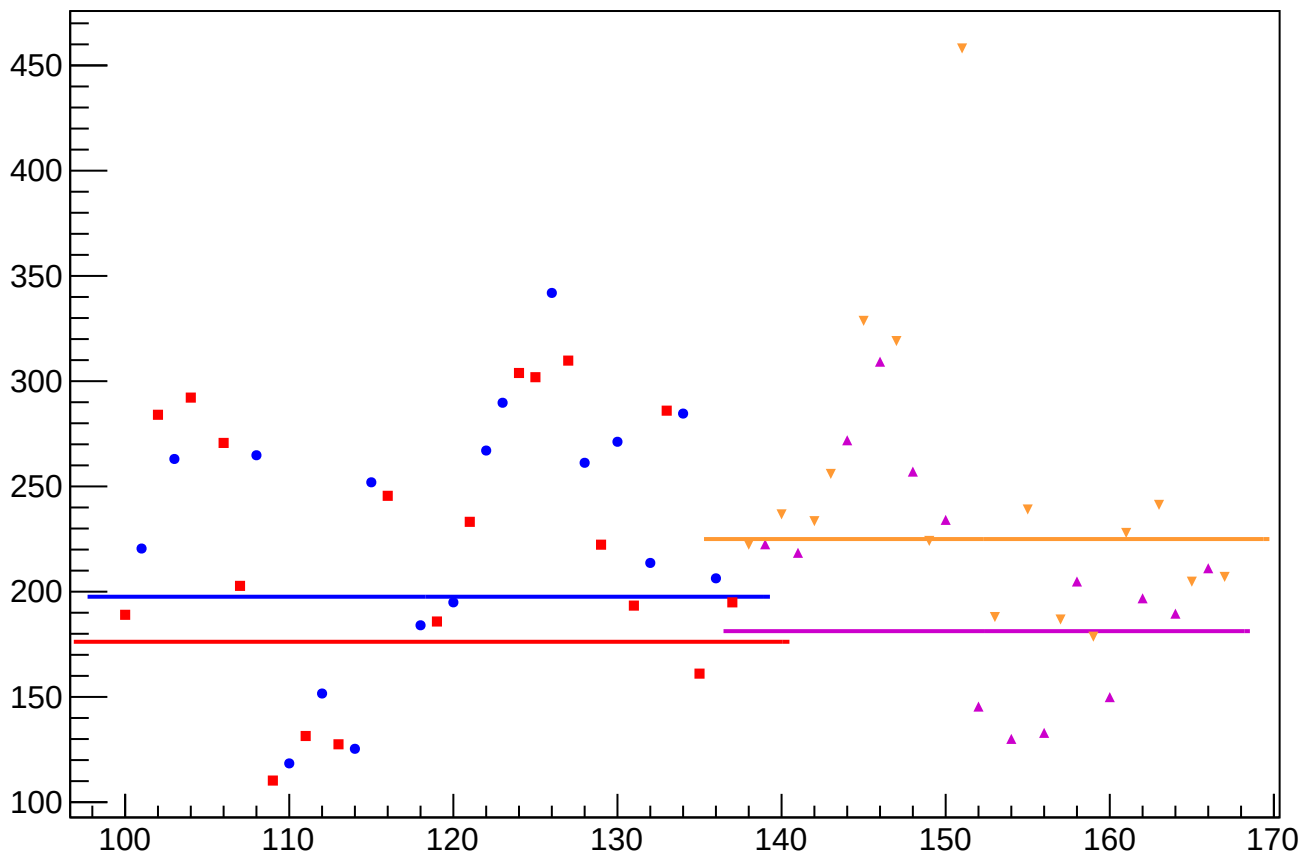
Right: 29.004+/-53.625 χ^2/NDF : 13.9/35

In: 59.076+/-47.417 χ^2/NDF : 13.2/30

Out: 16.065+/-49.084 χ^2/NDF : 10.4/34

All: 38.313+/-34.103 χ^2/NDF : 24.0/65

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603+/-0.057 χ^2/NDF : 968827.8/16

Left Out: 225.003+/-0.048 χ^2/NDF : 960553.6/15

Right Out: 176.201+/-0.051 χ^2/NDF : 1519832.7/18

Left In: 181.253+/-0.041 χ^2/NDF : 1406441.0/13

Left: 200.020+/-0.031 χ^2/NDF : 2847179.2/29

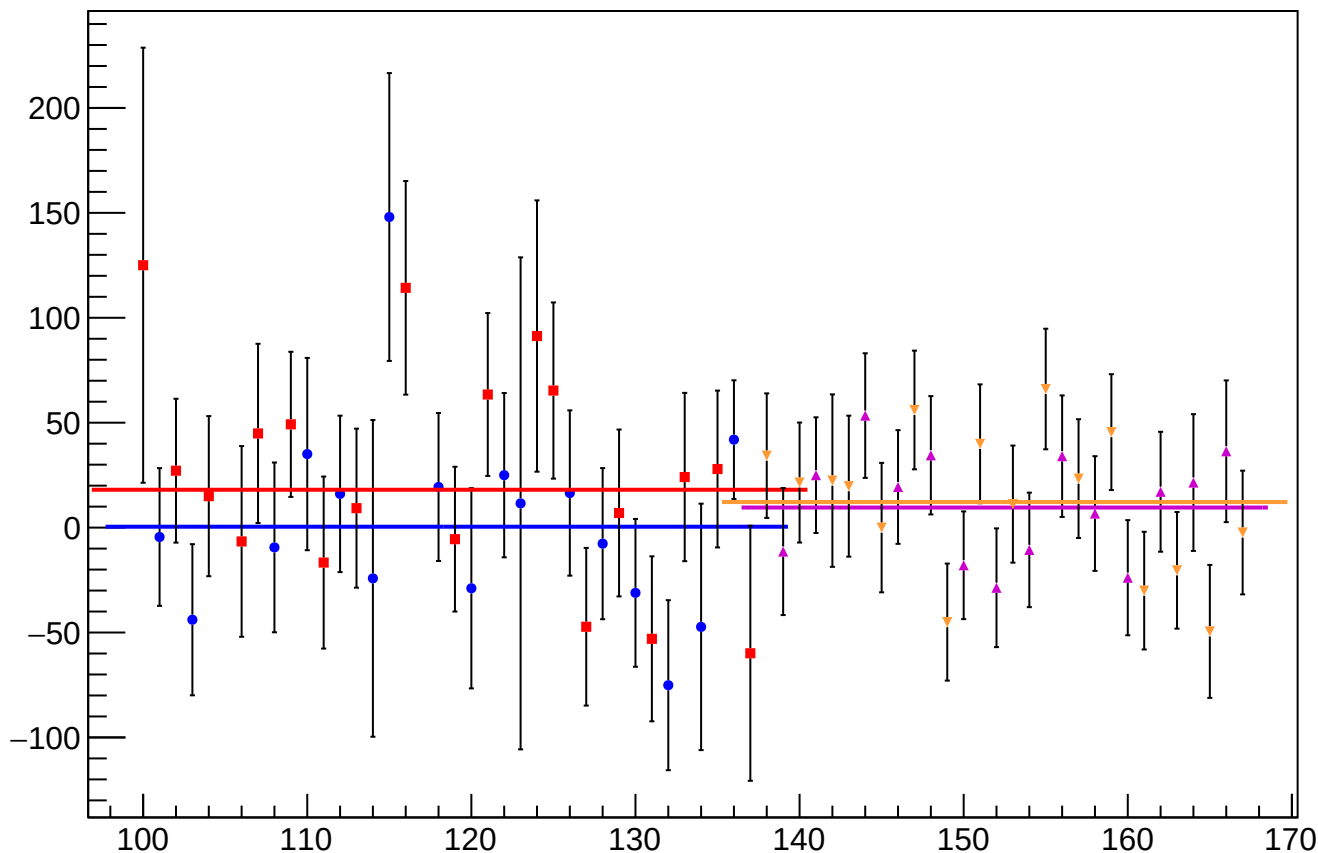
Right: 185.577+/-0.038 χ^2/NDF : 2567082.7/35

In: 186.854+/-0.034 χ^2/NDF : 2428820.3/30

Out: 202.029+/-0.035 χ^2/NDF : 2972964.4/34

All: 194.179+/-0.024 χ^2/NDF : 5500664.7/65

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 12.185 ± 7.364 $\chi^2/\text{NDF}: 21.3/15$

Right Out: 18.044 ± 9.499 $\chi^2/\text{NDF}: 19.5/18$

Left In: 9.571 ± 7.631 $\chi^2/\text{NDF}: 10.4/13$

Left: 10.925 ± 5.299 $\chi^2/\text{NDF}: 31.8/29$

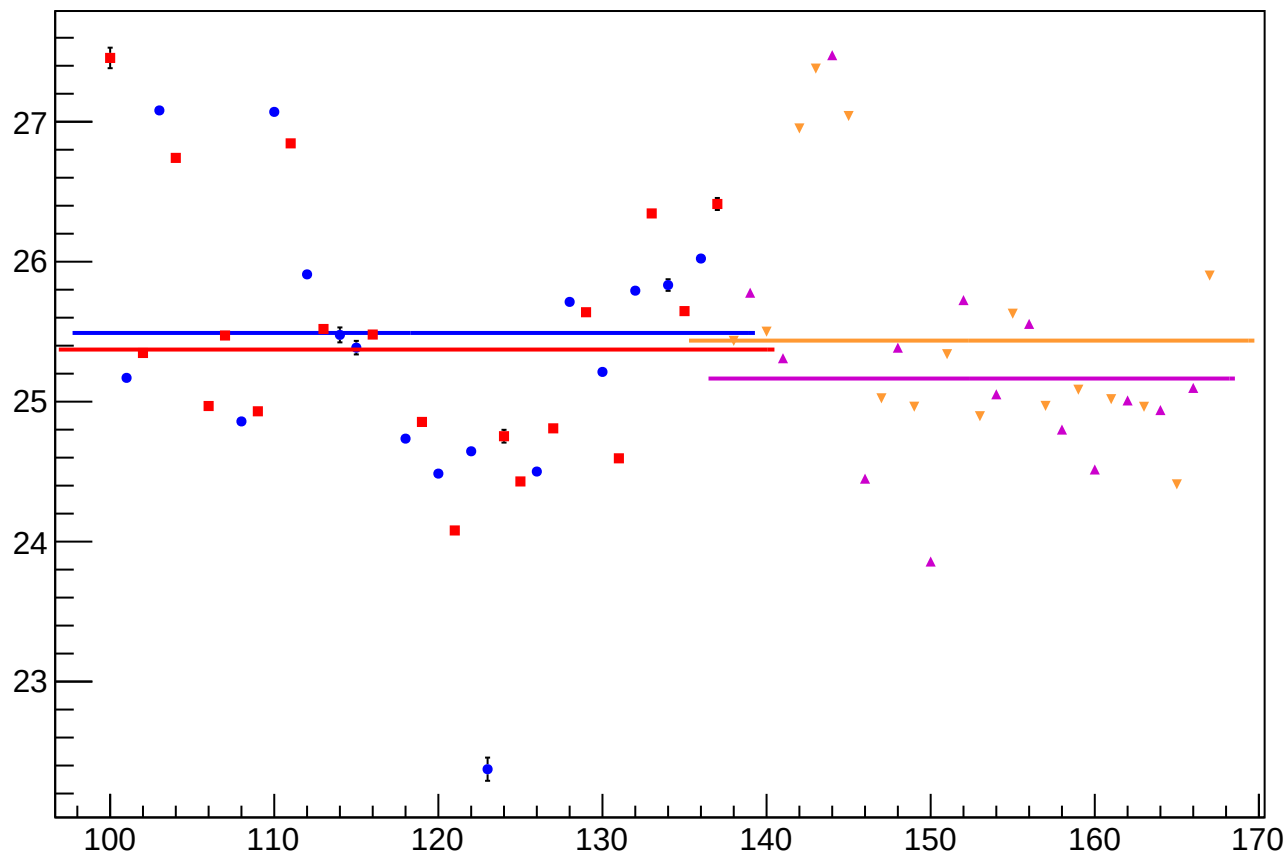
Right: 9.585 ± 6.849 $\chi^2/\text{NDF}: 36.6/35$

In: 6.156 ± 6.040 $\chi^2/\text{NDF}: 26.4/30$

Out: 14.385 ± 5.820 $\chi^2/\text{NDF}: 41.0/34$

All: 10.423 ± 4.191 $\chi^2/\text{NDF}: 68.4/65$

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: 25.165 $\pm$ 0.005 χ^2 /NDF: 22509.6/13

Left: 25.305 $\pm$ 0.004 χ^2 /NDF: 45002.0/29

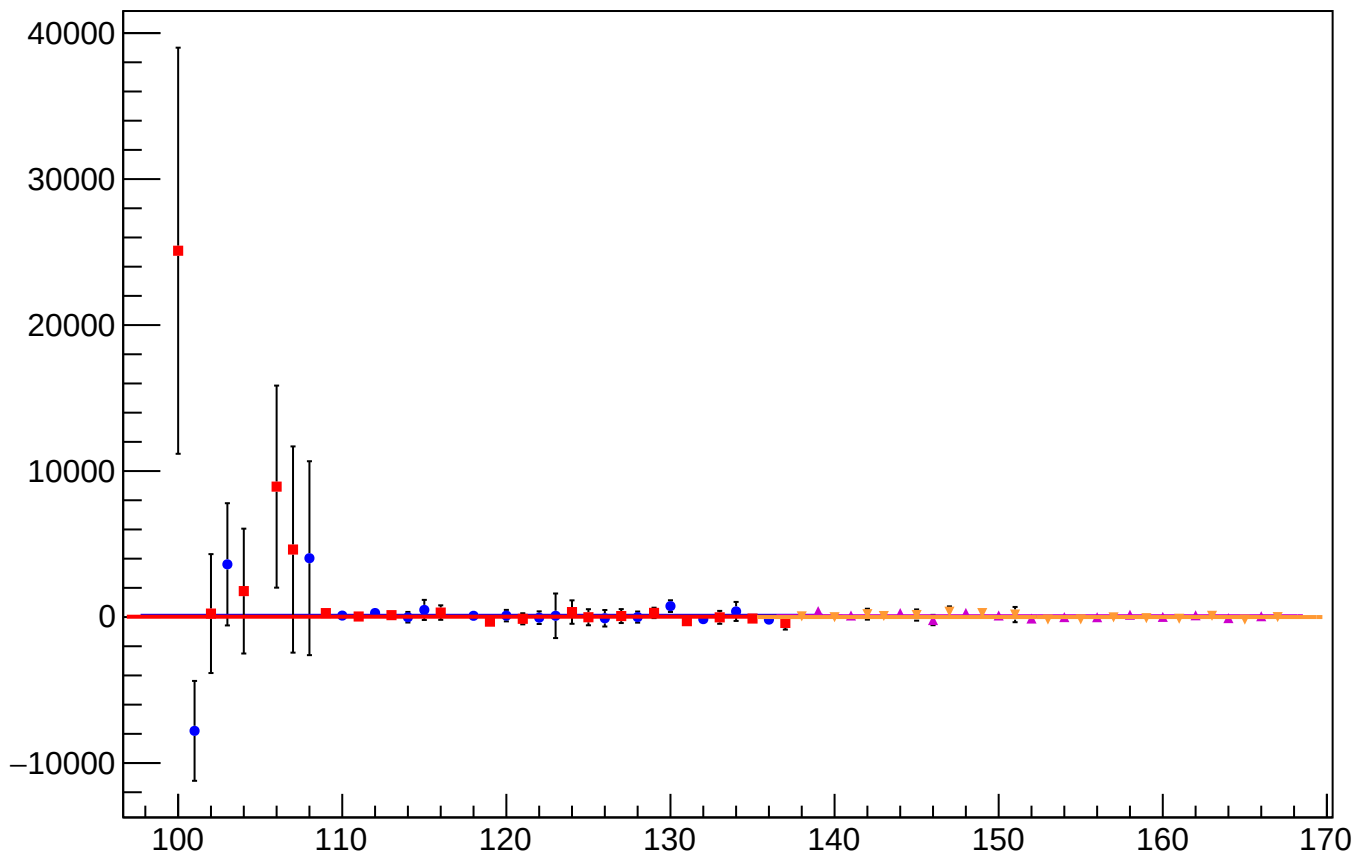
Right: 25.429 $\pm$ 0.005 χ^2 /NDF: 27413.4/35

In: 25.287 $\pm$ 0.004 χ^2 /NDF: 37583.6/30

Out: 25.412 $\pm$ 0.004 χ^2 /NDF: 34793.1/34

All: 25.352 $\pm$ 0.003 χ^2 /NDF: 72823.6/65

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: 59.770 $\pm$ 59.188 χ^2 /NDF:5.0/13

Left: 33.971 $\pm$ 44.623 χ^2 /NDF: 9.9/29

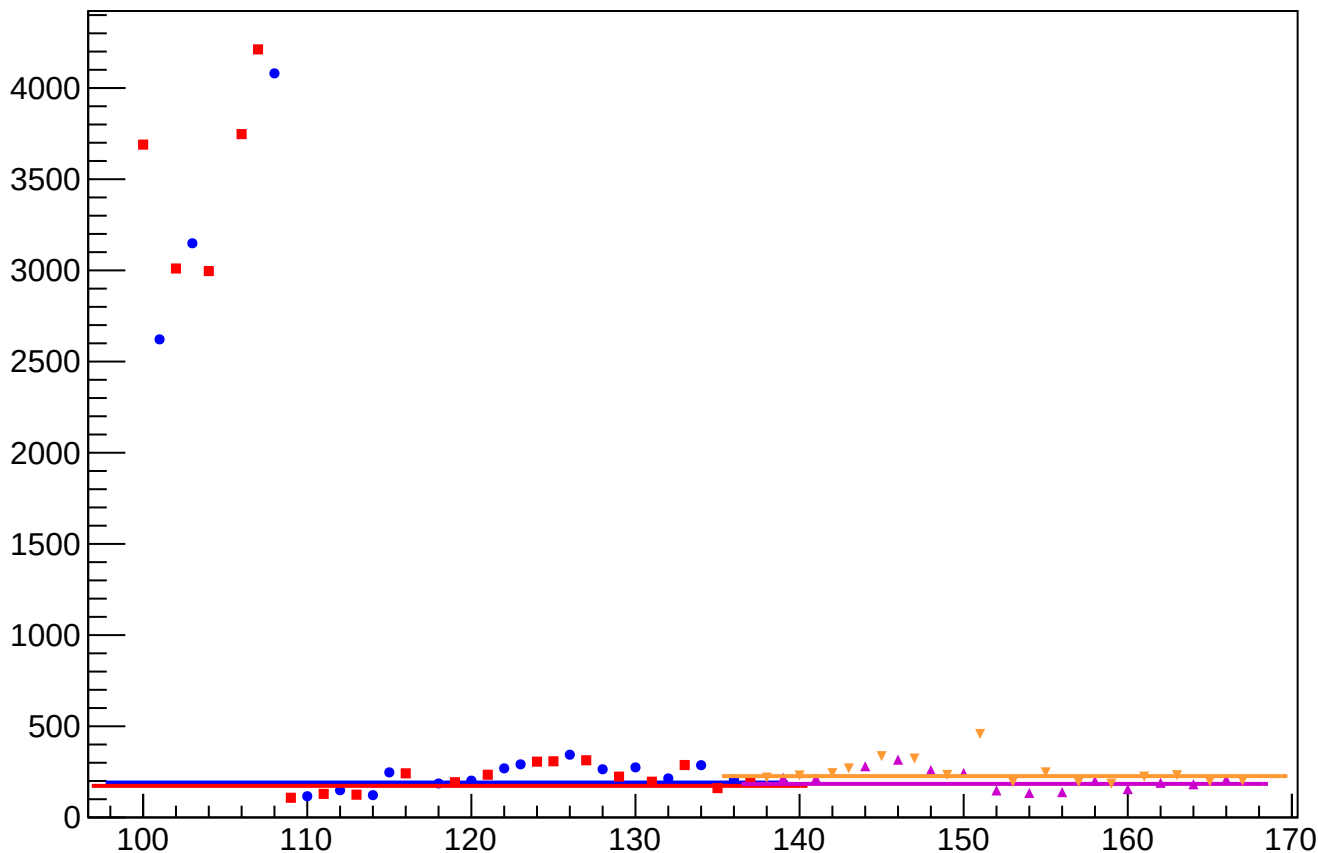
Right: 52.171 $\pm$ 59.707 χ^2 /NDF: 24.7/35

In: 68.059 $\pm$ 49.186 χ^2 /NDF:17.6/30

Out: 9.645 $\pm$ 52.033 χ^2 /NDF:16.4/34

All: 40.494 $\pm$ 35.744 χ^2 /NDF: 34.7/65

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: 184.024+/-0.042 χ^2/NDF :1299683.8/13

Left: 202.431+/-0.032 χ^2/NDF : 2702308.4/29

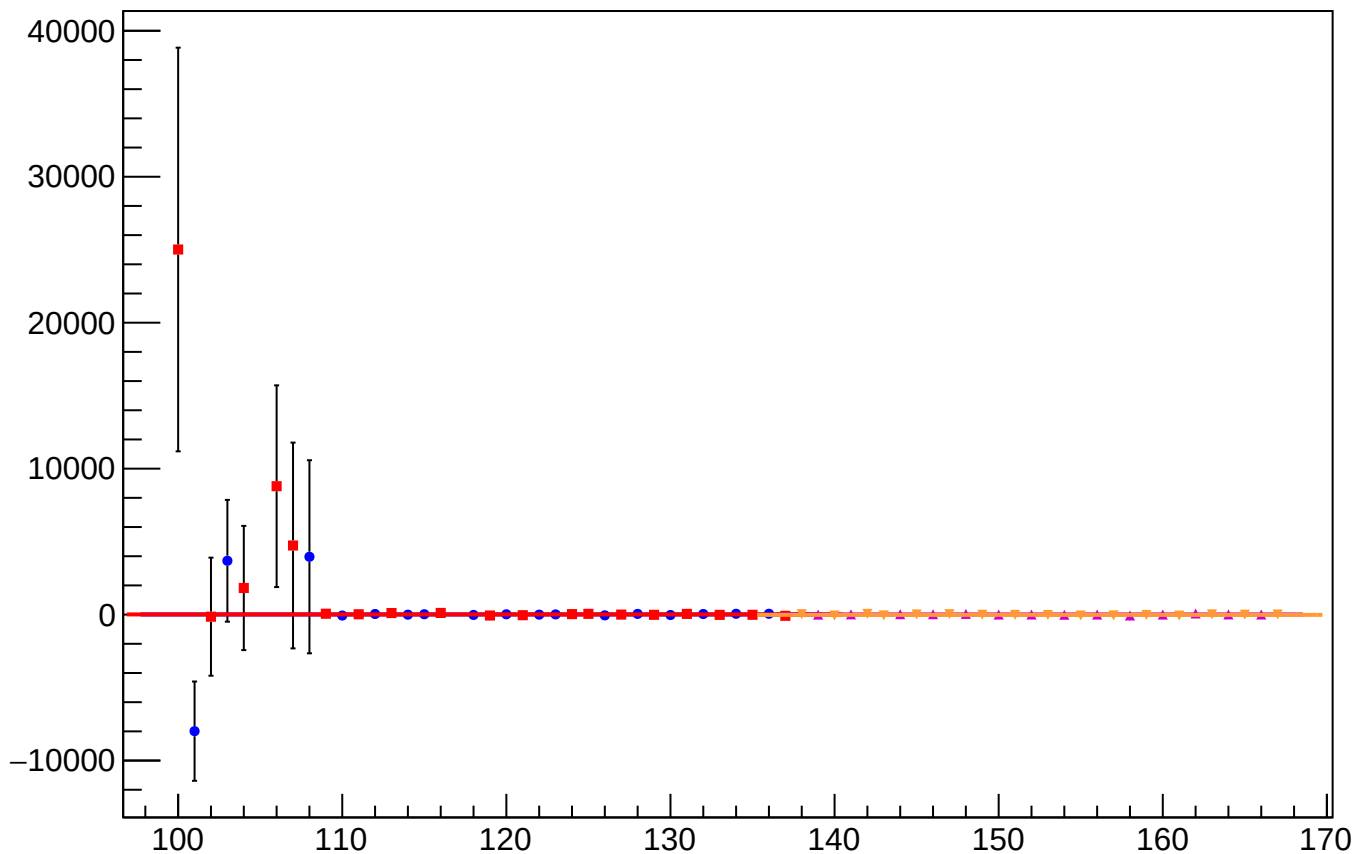
Right: 181.587+/-0.042 χ^2/NDF : 7826577.3/35

In: 186.330+/-0.035 χ^2/NDF :4882653.4/30

Out: 204.619+/-0.037 χ^2/NDF :5672136.2/34

All: 194.961+/-0.025 χ^2/NDF : 10685275.5/65

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: 13.293+/-8.823 χ^2/NDF :13.7/13

Left: -2.870+/-6.092 χ^2/NDF : 36.8/29

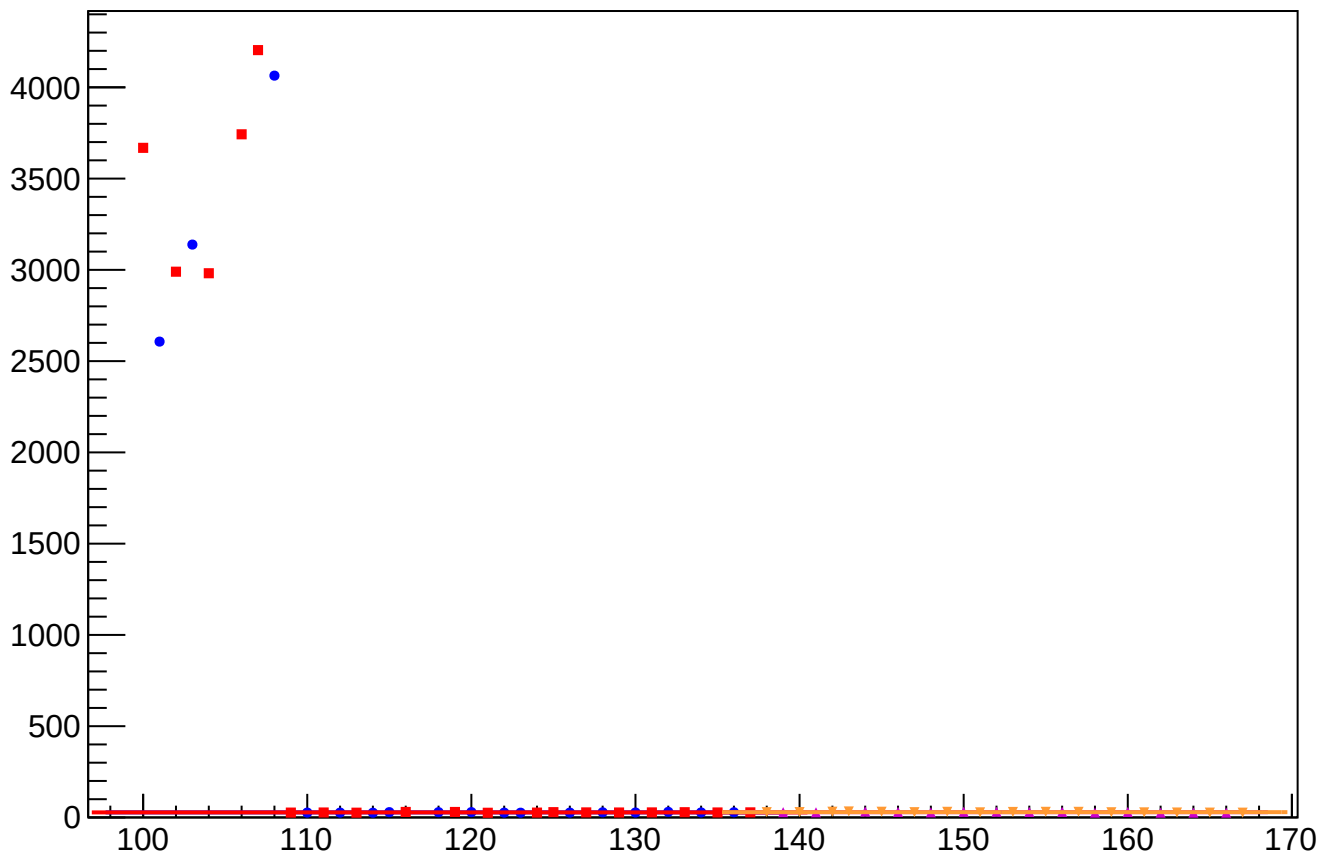
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 12.270+/-7.166 χ^2/NDF :32.2/30

Out: -7.863+/-6.936 χ^2/NDF :45.6/34

All: 1.875+/-4.984 χ^2/NDF : 81.8/65

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: 29.012+/-0.006 χ^2/NDF : 105989.4/13

Left: 29.016+/-0.004 χ^2/NDF : 198046.4/29

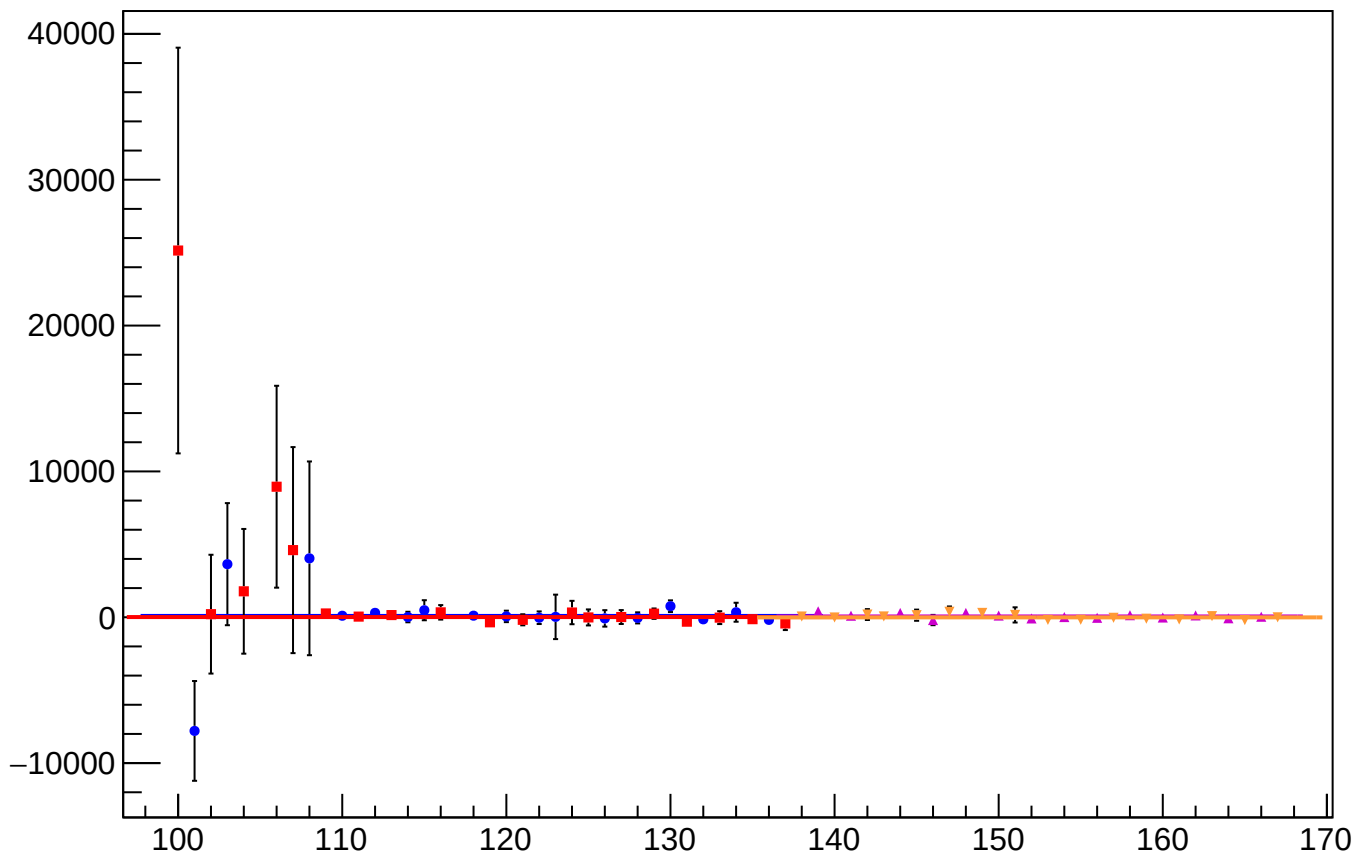
Right: 27.774+/-0.006 χ^2/NDF : 6504689.9/35

In: 28.618+/-0.005 χ^2/NDF : 3145366.1/30

Out: 28.594+/-0.005 χ^2/NDF : 3584848.0/34

All: 28.606+/-0.004 χ^2/NDF : 6730225.4/65

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773 $\pm$ 88.149 χ^2 /NDF: 12.8/16

Left Out: -8.114 $\pm$ 67.775 χ^2 /NDF:5.2/15

Right Out: 13.341 $\pm$ 80.686 χ^2 /NDF: 12.7/18

Left In: 57.075 $\pm$ 59.070 χ^2 /NDF:5.2/13

Left: 28.933 $\pm$ 44.531 χ^2 /NDF: 10.9/29

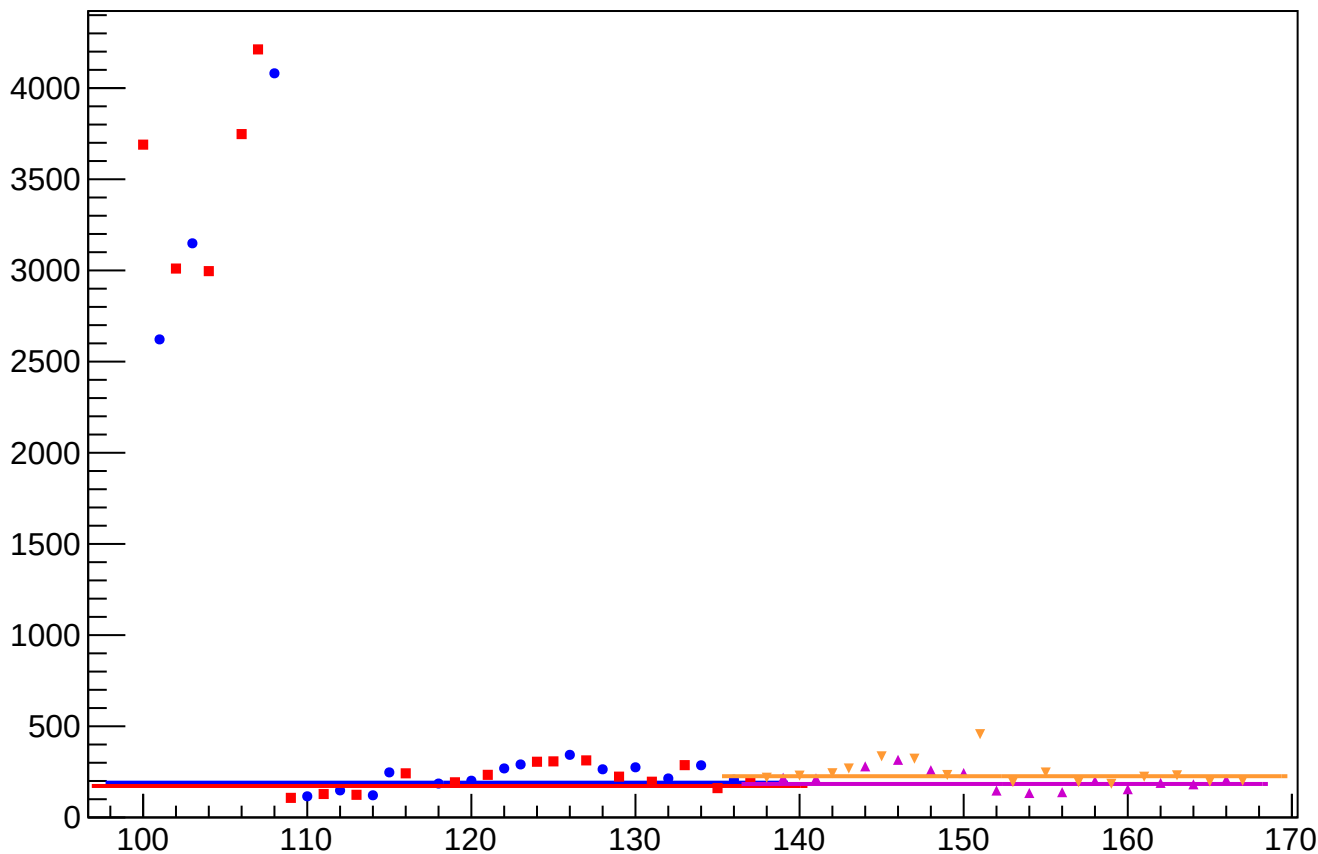
Right: 48.642 $\pm$ 59.518 χ^2 /NDF: 25.9/35

In: 67.518 $\pm$ 49.071 χ^2 /NDF:18.1/30

Out: 0.761 $\pm$ 51.896 χ^2 /NDF:17.9/34

All: 36.006 $\pm$ 35.655 χ^2 /NDF: 36.8/65

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: 183.661+/-0.042 χ^2/NDF : 1299533.0/13

Left: 202.017+/-0.031 χ^2/NDF : 2701182.7/29

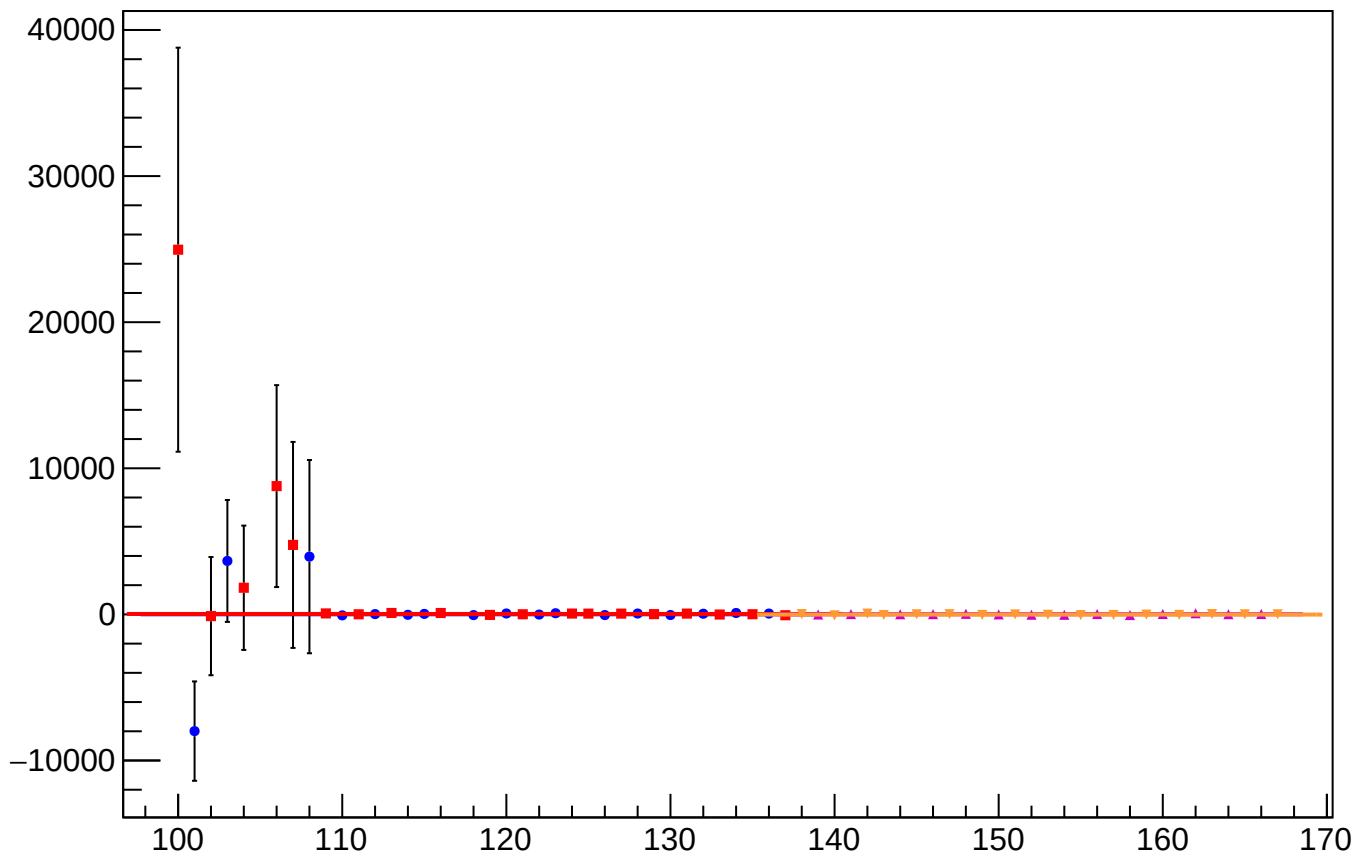
Right: 180.899+/-0.042 χ^2/NDF : 7849745.6/35

In: 185.864+/-0.035 χ^2/NDF : 4893541.9/30

Out: 204.027+/-0.037 χ^2/NDF : 5689466.8/34

All: 194.438+/-0.025 χ^2/NDF : 10712344.8/65

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600+/-12.368 χ^2/NDF : 23.2/16

Left Out: -12.171+/-8.486 χ^2/NDF : 11.4/15

Right Out: 29.397+/-12.333 χ^2/NDF : 16.8/18

Left In: 12.424+/-8.881 χ^2/NDF : 12.8/13

Left: -0.434+/-6.135 χ^2/NDF : 28.3/29

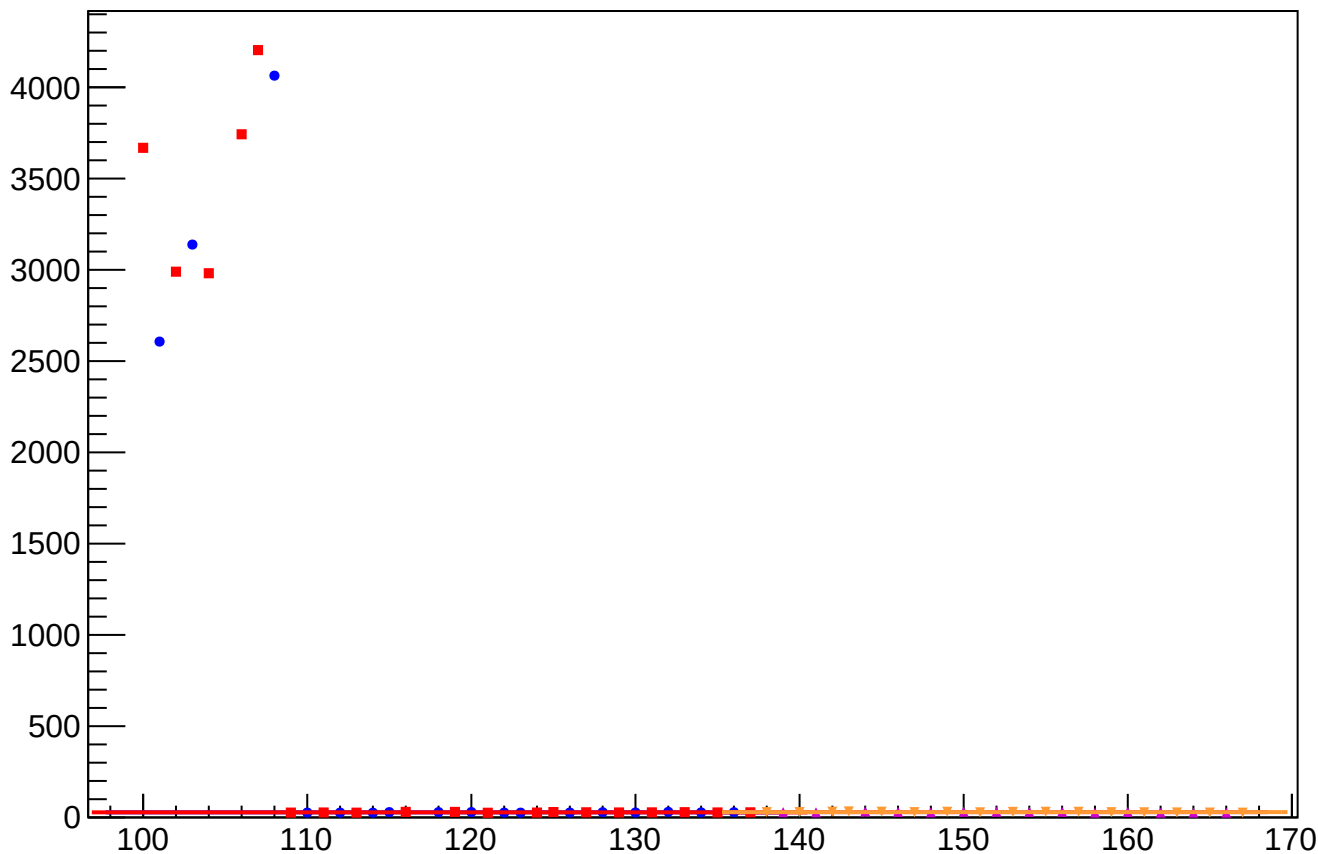
Right: 19.027+/-8.733 χ^2/NDF : 41.4/35

In: 11.123+/-7.214 χ^2/NDF : 36.1/30

Out: 1.185+/-6.991 χ^2/NDF : 35.9/34

All: 5.998+/-5.020 χ^2/NDF : 73.0/65

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: 29.207+/-0.006 χ^2/NDF :105760.9/13

Left: 29.225+/-0.004 χ^2/NDF : 201819.7/29

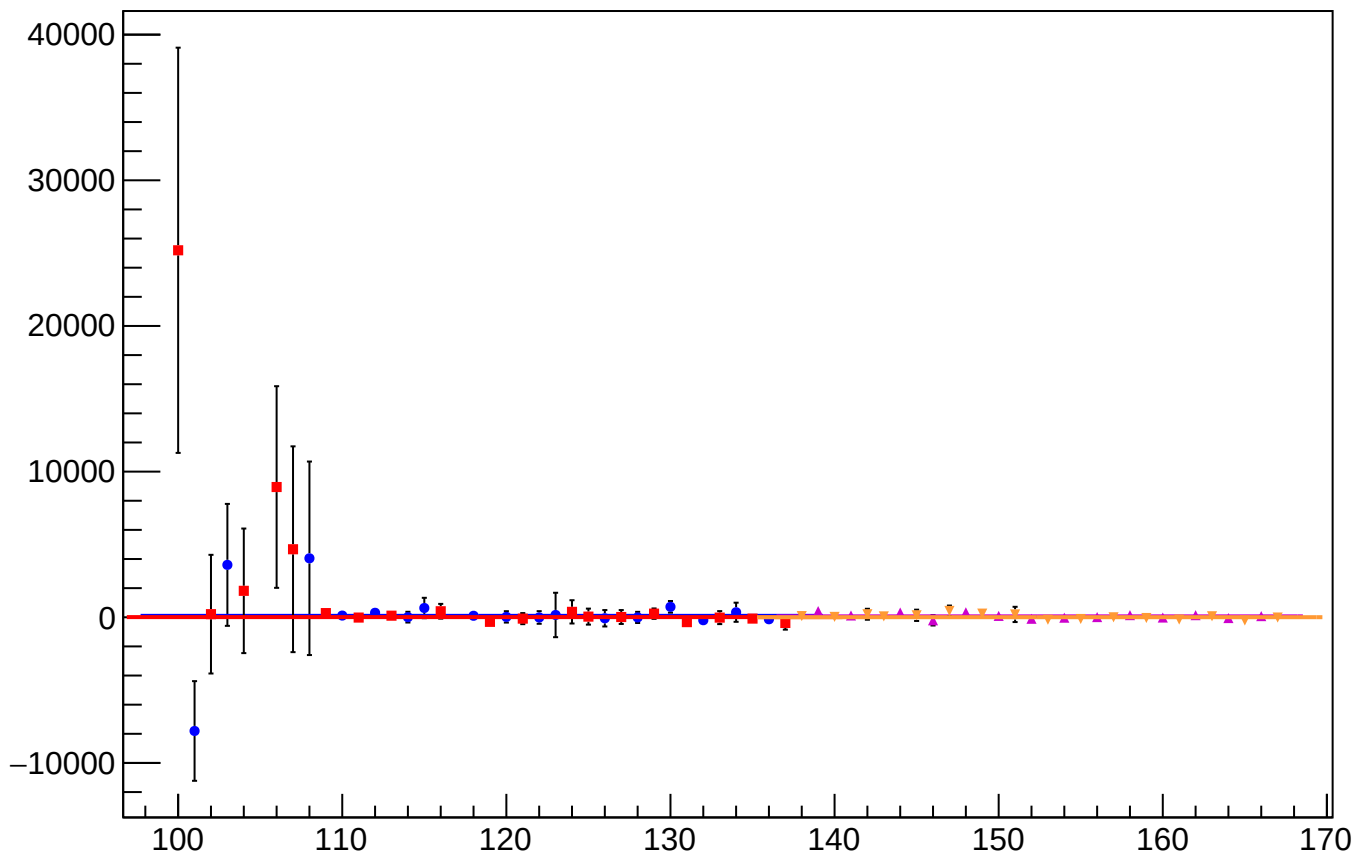
Right: 27.981+/-0.006 χ^2/NDF : 6507693.6/35

In: 28.811+/-0.005 χ^2/NDF :3145329.4/30

Out: 28.816+/-0.005 χ^2/NDF :3591353.6/34

All: 28.814+/-0.004 χ^2/NDF : 6736683.5/65

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: 64.546 $\pm$ 59.902 χ^2 /NDF:5.9/13

Left: 38.971 $\pm$ 45.101 χ^2 /NDF: 11.2/29

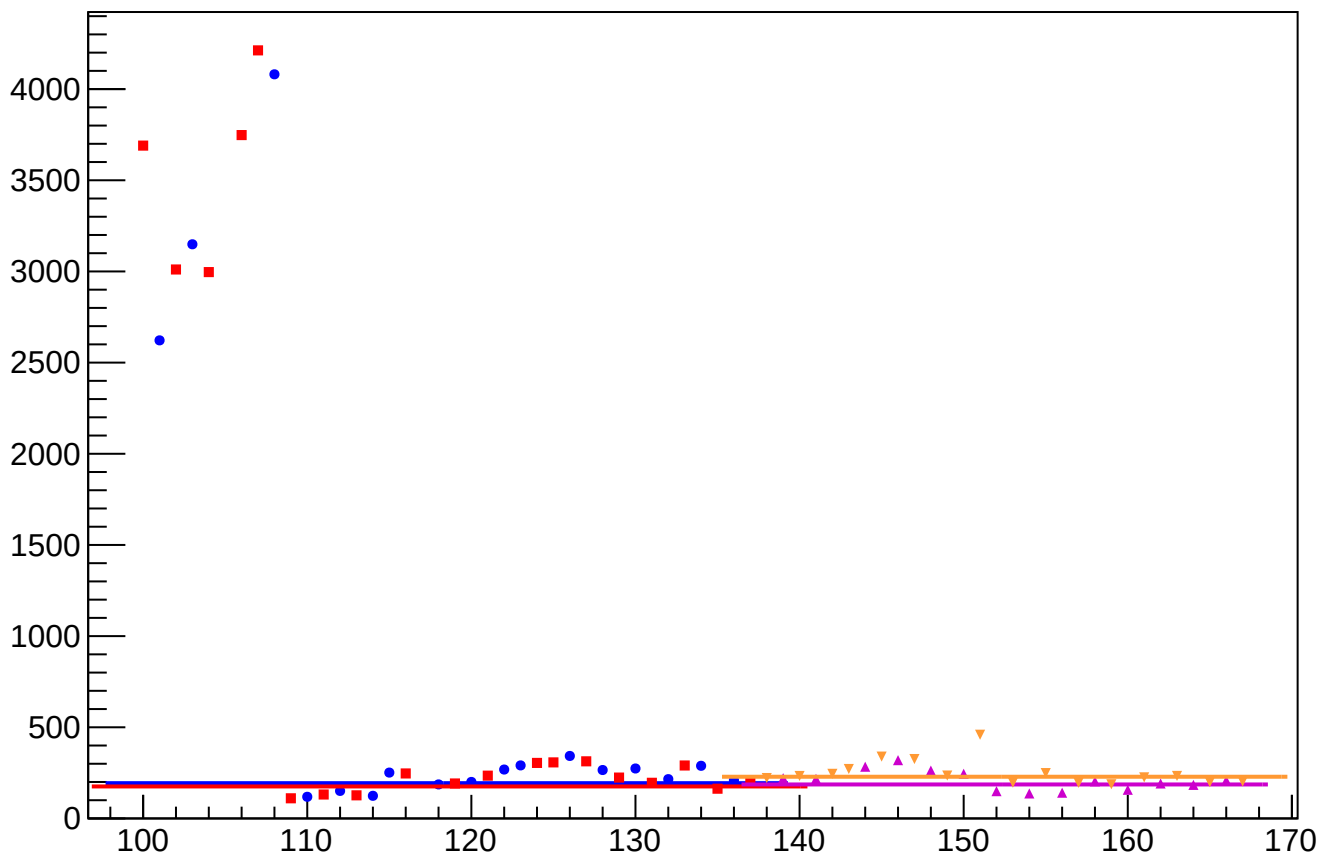
Right: 51.186 $\pm$ 60.278 χ^2 /NDF: 25.3/35

In: 74.987 $\pm$ 49.729 χ^2 /NDF:18.5/30

Out: 8.067 $\pm$ 52.525 χ^2 /NDF:17.2/34

All: 43.355 $\pm$ 36.112 χ^2 /NDF: 36.6/65

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: 186.452+/-0.042 χ^2/NDF : 1271034.1/13

Left: 204.792+/-0.032 χ^2/NDF : 2651427.5/29

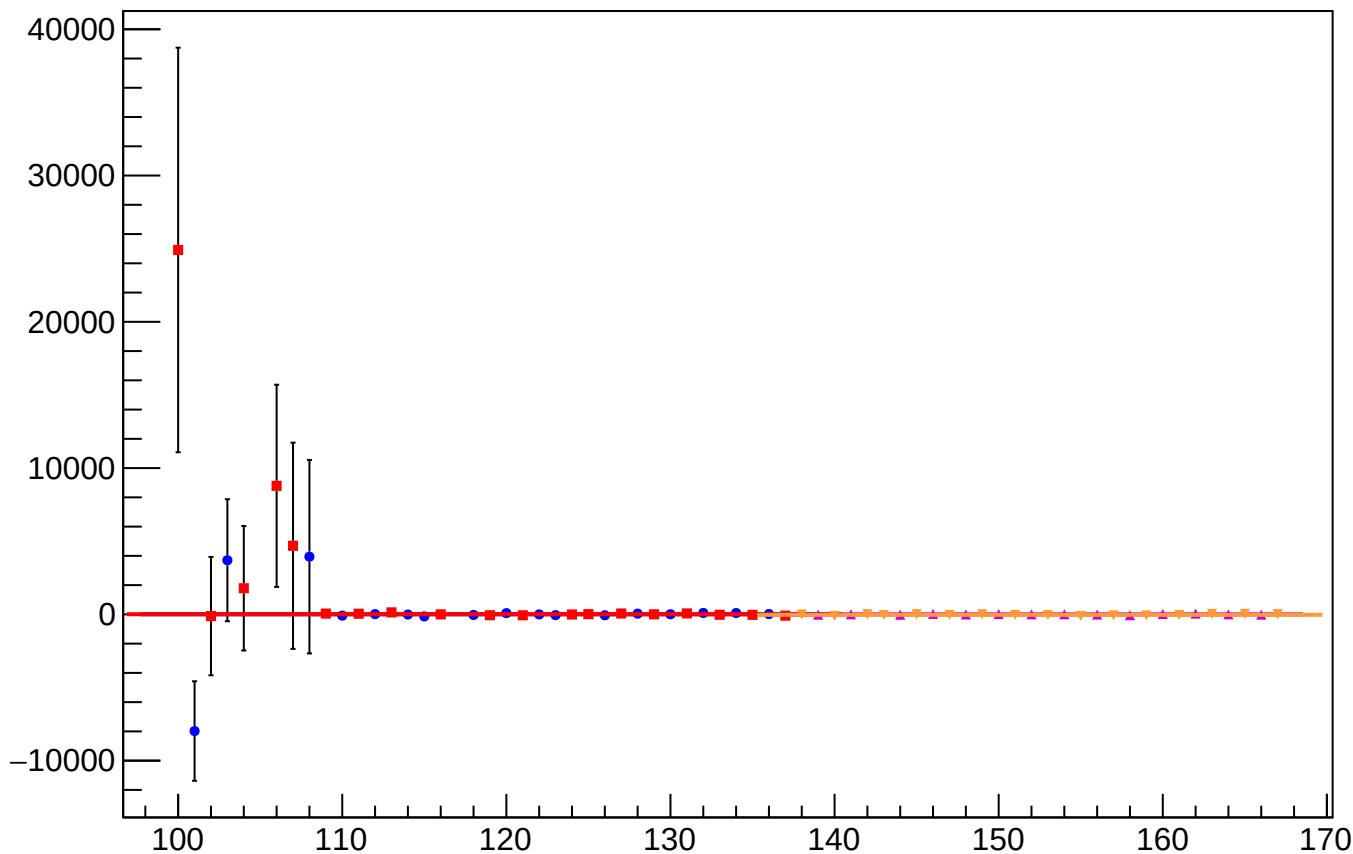
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 188.648+/-0.035 χ^2/NDF : 4816625.9/30

Out: 206.811+/-0.037 χ^2/NDF : 5612015.7/34

All: 197.233+/-0.026 χ^2/NDF : 10554752.7/69

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: 2.627 $\pm$ 10.533 χ^2 /NDF:7.1/13

Left: -15.080 $\pm$ 7.275 χ^2 /NDF: 32.0/29

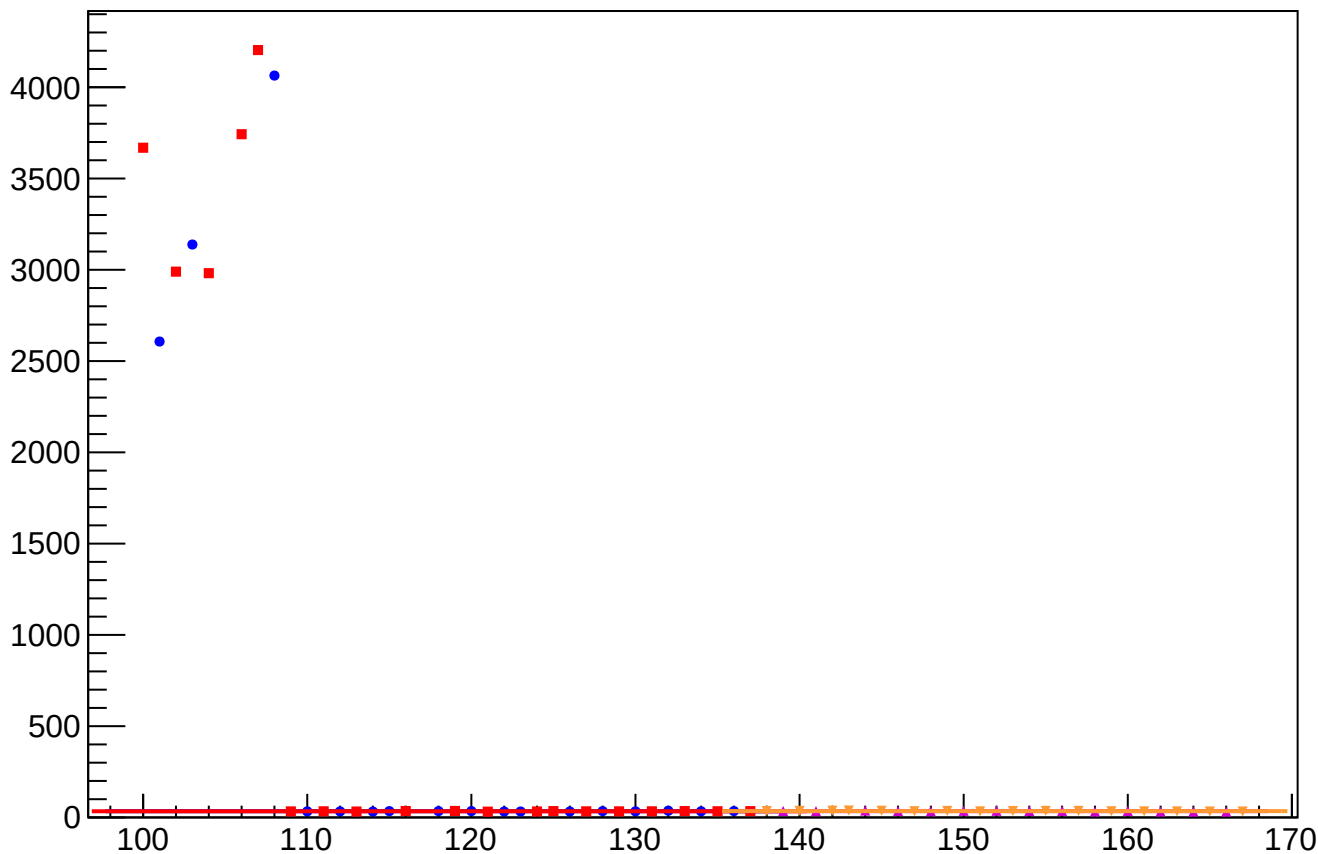
Right: 8.883 $\pm$ 10.608 χ^2 /NDF: 42.5/35

In: 3.593 $\pm$ 8.630 χ^2 /NDF:27.6/30

Out: -17.711 $\pm$ 8.346 χ^2 /NDF:47.2/34

All: -7.415 $\pm$ 5.999 χ^2 /NDF: 77.9/65

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168+/-0.011 χ^2 /NDF: 3006512.8/16

Left Out: 34.725+/-0.007 χ^2 /NDF:46756.5/15

Right Out: 33.913+/-0.011 χ^2 /NDF: 3451912.6/18

Left In: 34.708+/-0.007 χ^2 /NDF:51634.0/13

Left: 34.717+/-0.005 χ^2 /NDF: 98393.3/29

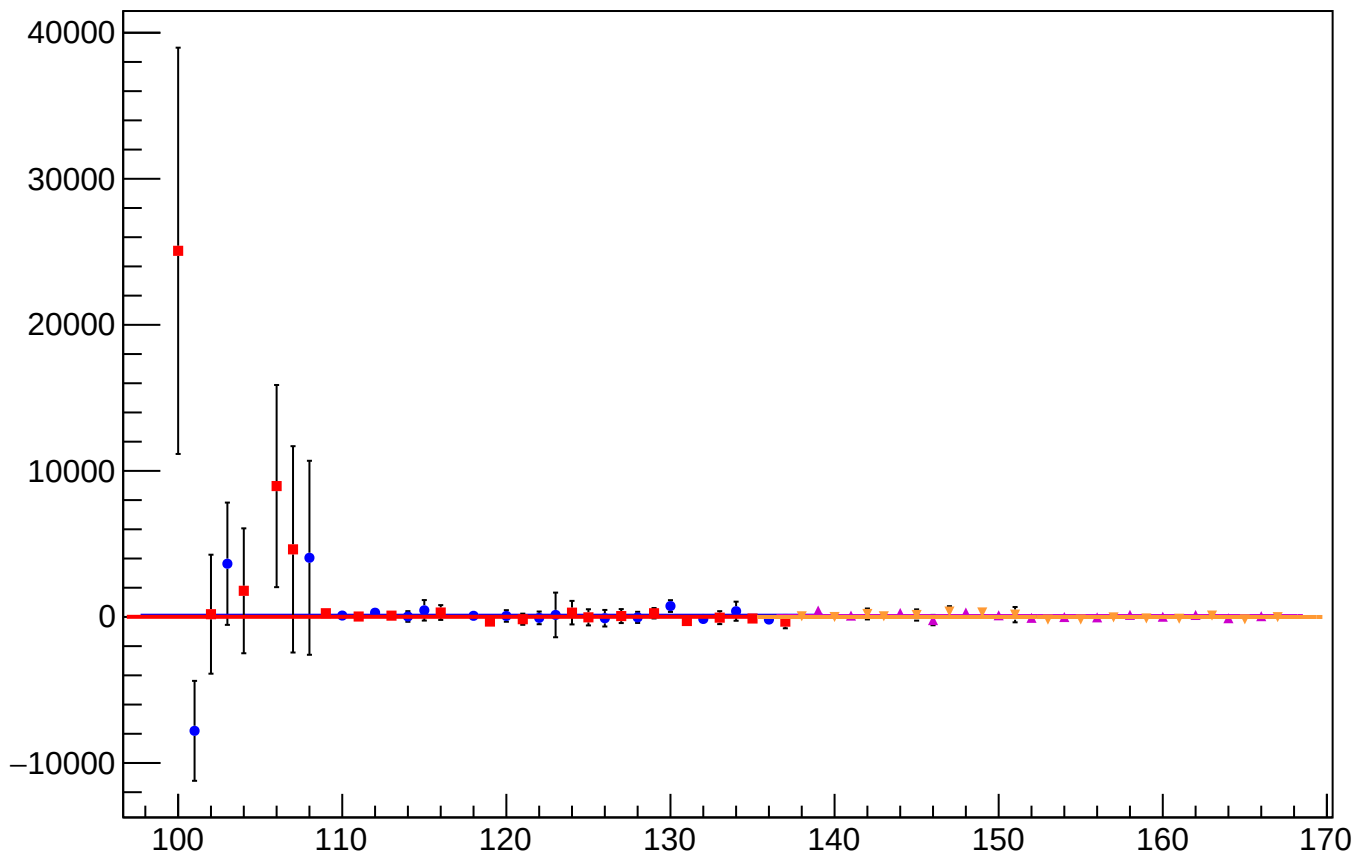
Right: 34.039+/-0.008 χ^2 /NDF: 6458714.0/35

In: 34.530+/-0.006 χ^2 /NDF:3059876.3/30

Out: 34.472+/-0.006 χ^2 /NDF:3502735.0/34

All: 34.500+/-0.004 χ^2 /NDF: 6562658.2/65

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: 61.225+/-59.743 χ^2/NDF : 5.3/13

Left: 33.078+/-44.998 χ^2/NDF : 10.8/29

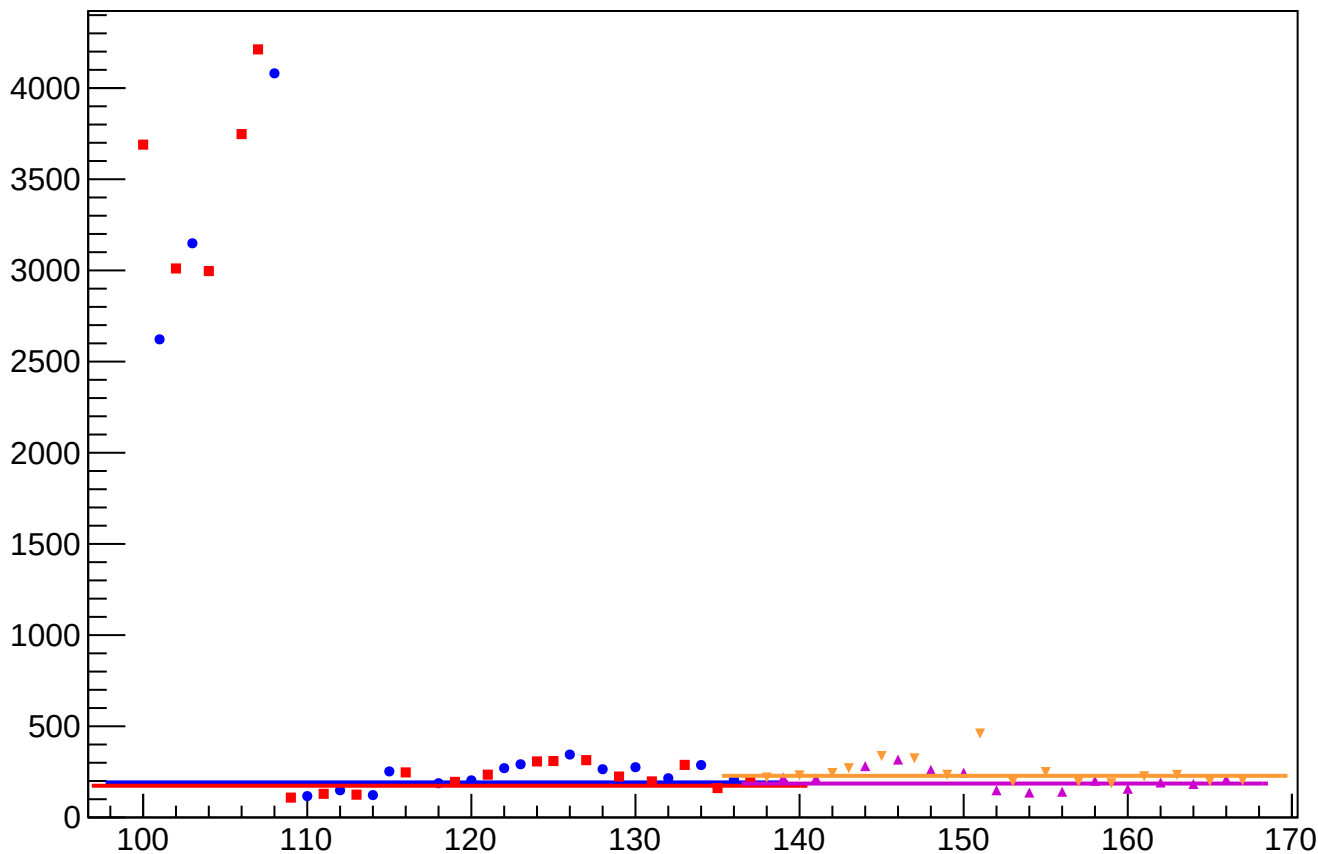
Right: 43.196+/-59.931 χ^2/NDF : 24.0/35

In: 68.485+/-49.559 χ^2/NDF : 17.9/30

Out: 1.314+/-52.332 χ^2/NDF : 16.1/34

All: 36.726+/-35.984 χ^2/NDF : 34.9/65

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: 185.973+/-0.042 χ^2/NDF : 1258152.1/13

Left: 204.337+/-0.032 χ^2/NDF : 2631409.3/29

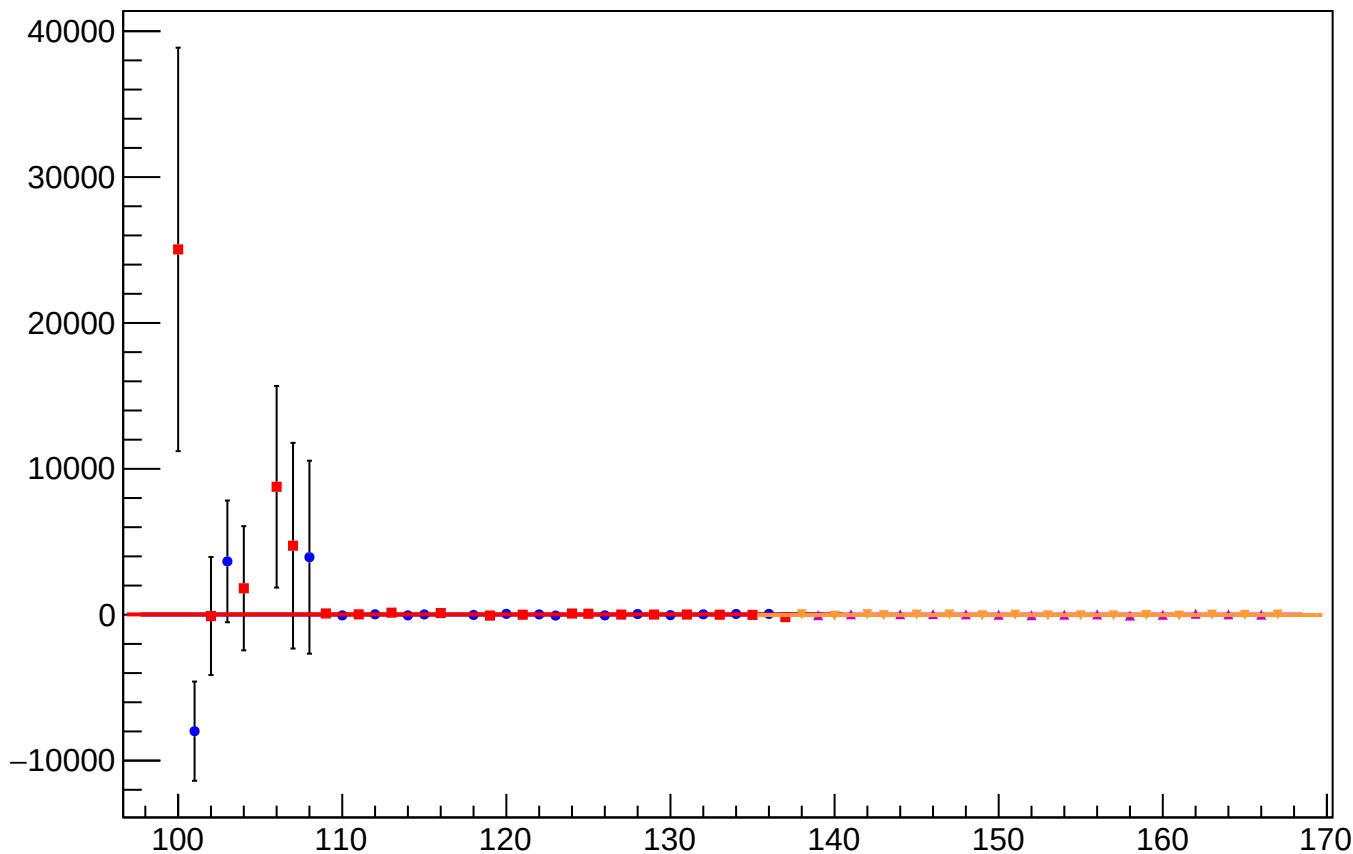
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 187.907+/-0.035 χ^2/NDF : 4839495.8/30

Out: 205.828+/-0.037 χ^2/NDF : 5673773.7/34

All: 196.380+/-0.025 χ^2/NDF : 10636909.6/65

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: 11.949+/-9.552 χ^2/NDF :12.2/13

Left: -4.602+/-6.601 χ^2/NDF : 29.9/29

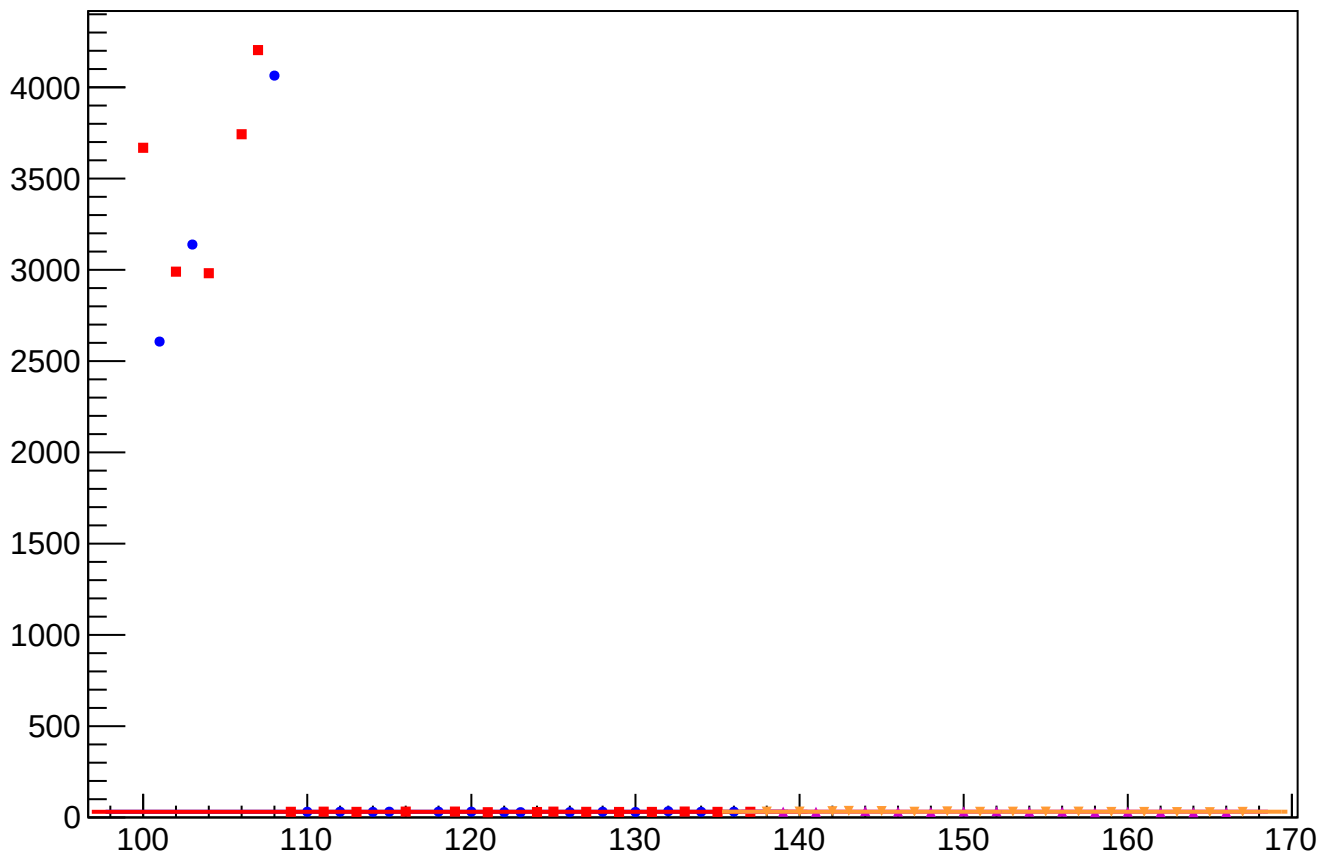
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 12.211+/-7.840 χ^2/NDF :26.8/30

Out: -6.650+/-7.592 χ^2/NDF :46.6/34

All: 2.477+/-5.454 χ^2/NDF : 76.4/65

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: 31.426+/-0.007 χ^2/NDF : 79832.9/13

Left: 31.460+/-0.005 χ^2/NDF : 152286.1/29

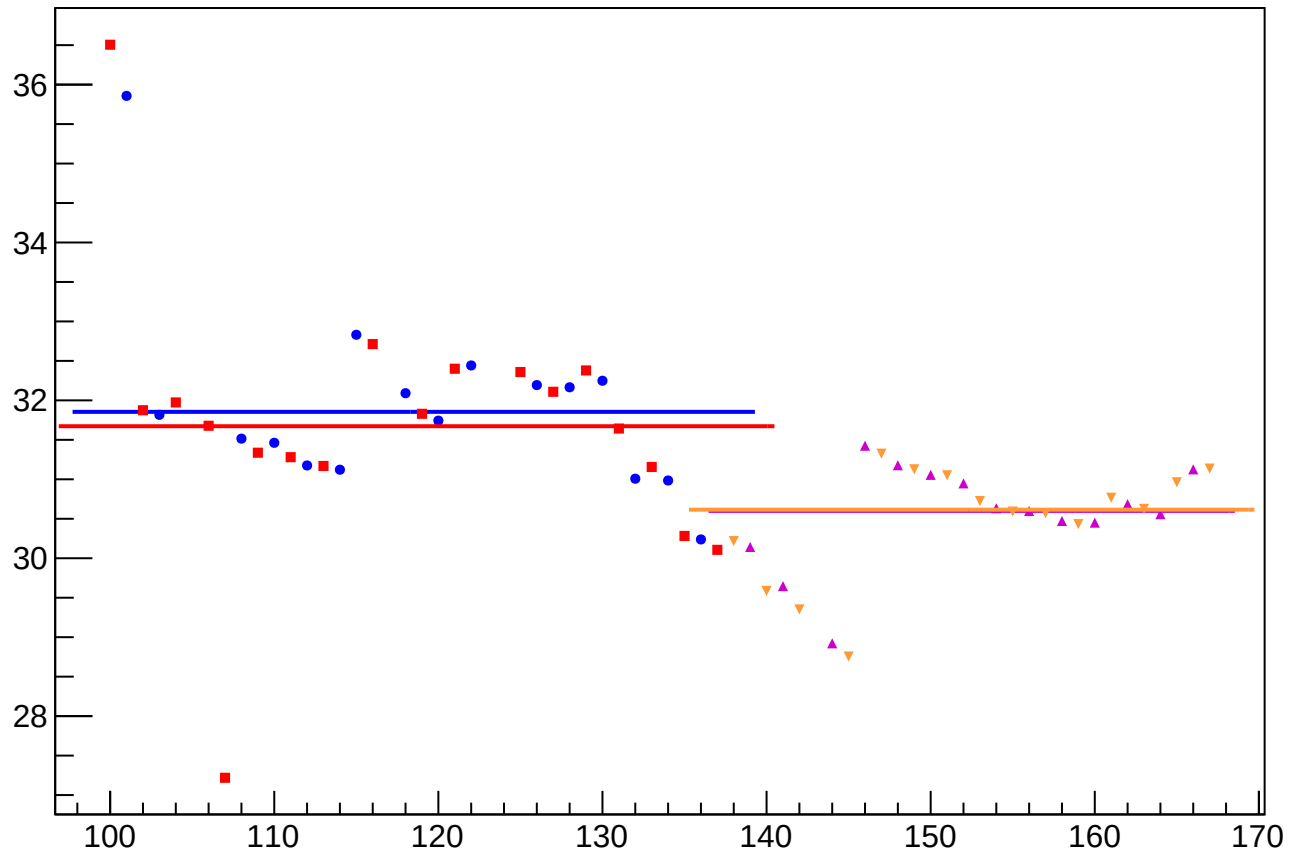
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.337+/-0.006 χ^2/NDF : 3094881.5/30

Out: 31.328+/-0.005 χ^2/NDF : 3533403.0/34

All: 31.332+/-0.004 χ^2/NDF : 6628285.8/65

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.615+/-0.000 χ^2/NDF : 647642159.5/14

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

Left In: 30.600+/-0.000 χ^2/NDF : 587420022.9/13

Left: 30.608+/-0.000 χ^2/NDF : 1235253283.8/28

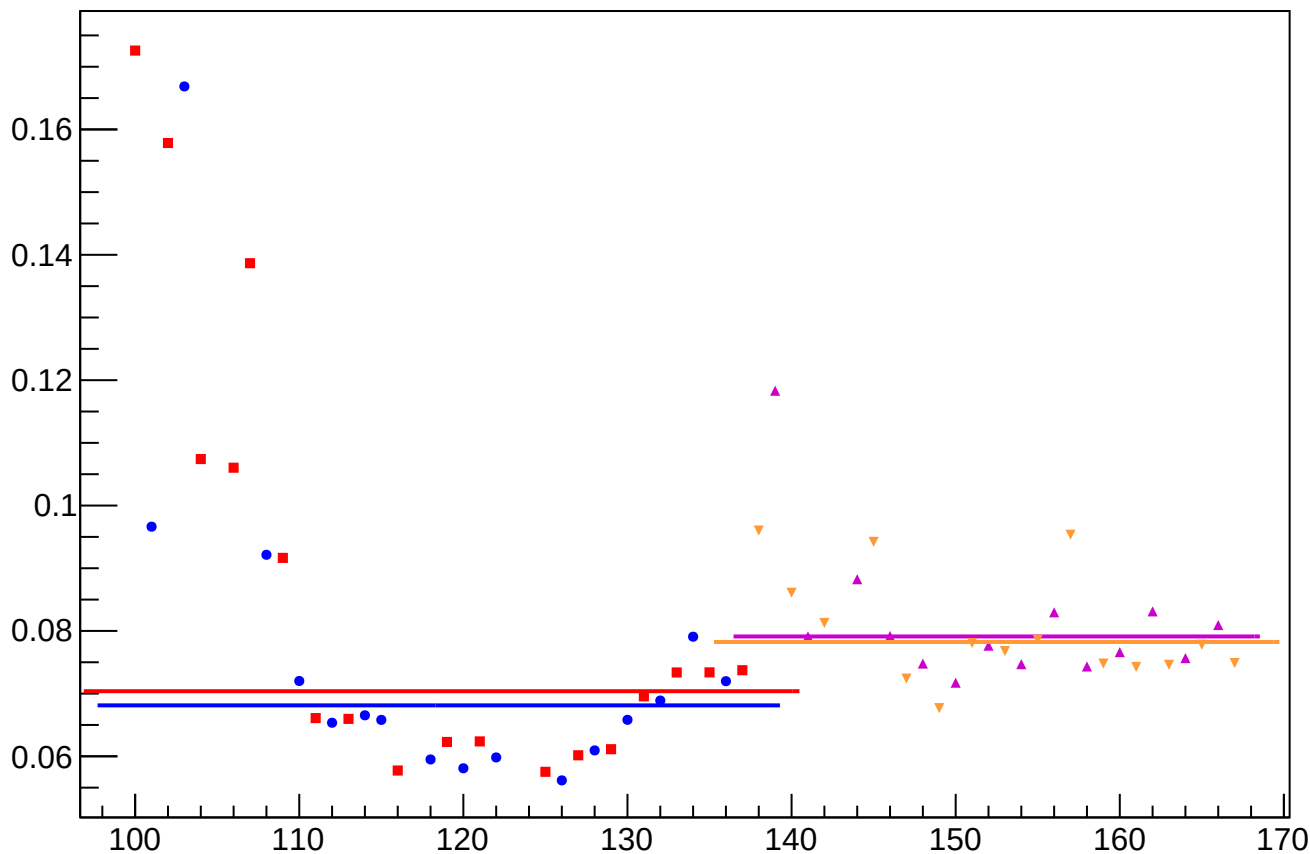
Right: 31.765+/-0.000 χ^2/NDF : 2508641774.0/33

In: 31.156+/-0.000 χ^2/NDF : 3248231703.3/29

Out: 31.059+/-0.000 χ^2/NDF : 2339834513.6/32

All: 31.107+/-0.000 χ^2/NDF : 5601381797.0/66

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:213828.8/13

Left: 0.079 $\pm$ 0.000 χ^2 /NDF: 414893.9/28

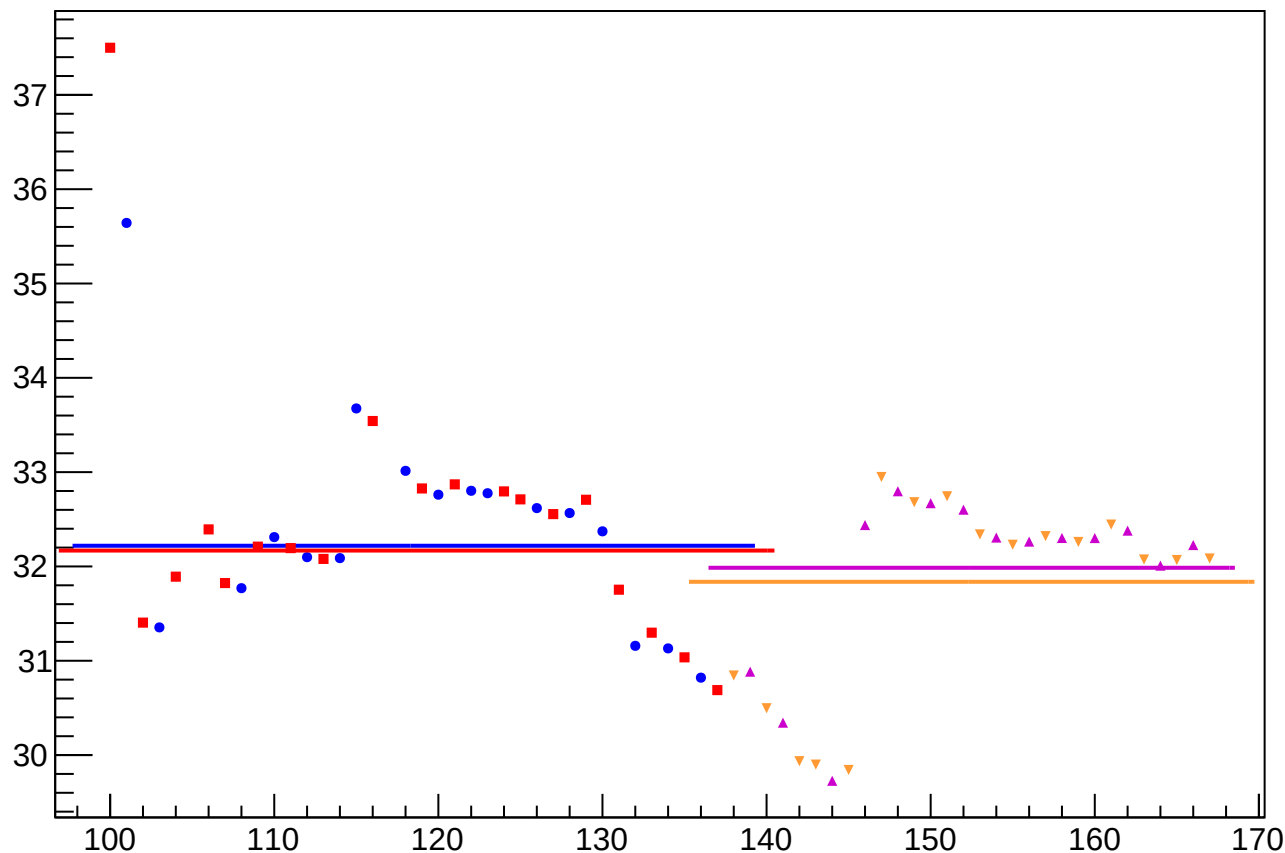
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1477315.9/33

In: 0.074 $\pm$ 0.000 χ^2 /NDF:1011012.7/29

Out: 0.075 $\pm$ 0.000 χ^2 /NDF:1126668.1/32

All: 0.075 $\pm$ 0.000 χ^2 /NDF: 2139060.4/62

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 : 1399161156.4/13

Left: 31.908+/-0.000 χ^2/NDF : 3243663801.7/29

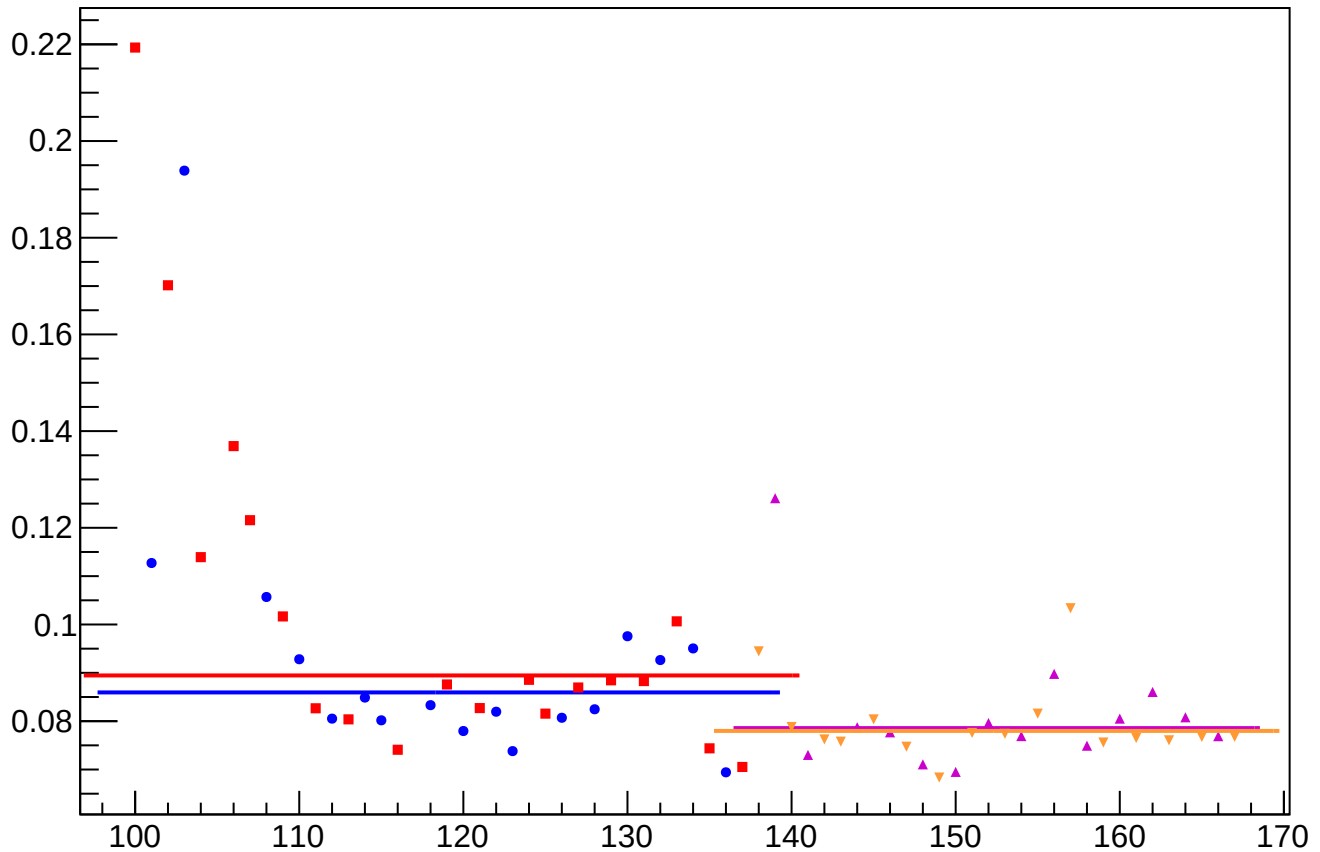
Right: 32.194+/-0.000 χ^2/NDF : 1457173552.7/35

In: 32.063+/-0.000 χ^2/NDF : 2441774055.7/30

Out: 31.937+/-0.000 χ^2/NDF : 2326870775.9/34

All: 31.998+/-0.000 χ^2/NDF : 4787924418.9/6

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078+/-0.000 χ^2/NDF : 160550.9/15

Right Out: 0.089+/-0.000 χ^2/NDF : 539869.9/18

Left In: 0.079+/-0.000 χ^2/NDF : 292503.4/13

Left: 0.078+/-0.000 χ^2/NDF : 453621.1/29

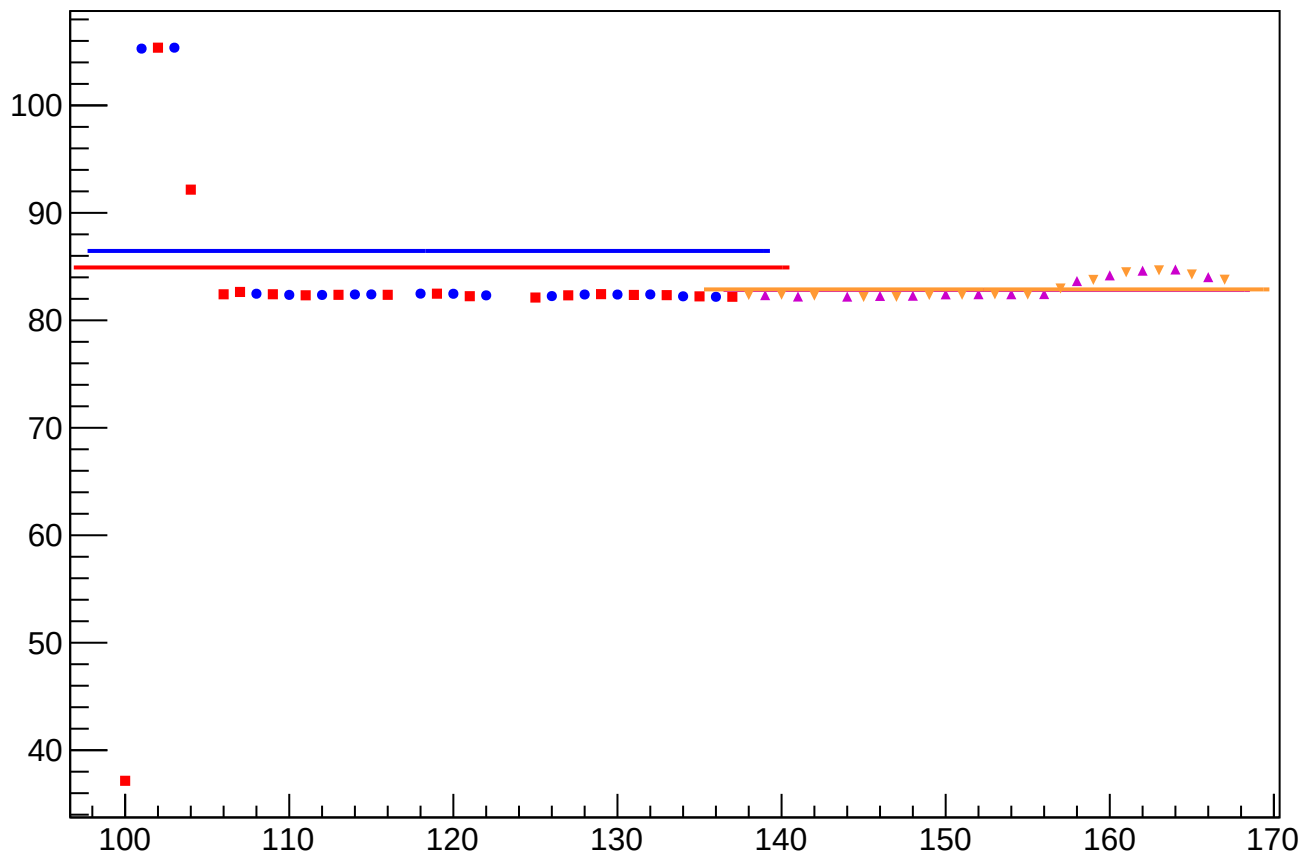
Right: 0.088+/-0.000 χ^2/NDF : 1102728.3/35

In: 0.081+/-0.000 χ^2/NDF : 903210.1/30

Out: 0.081+/-0.000 χ^2/NDF : 841373.4/34

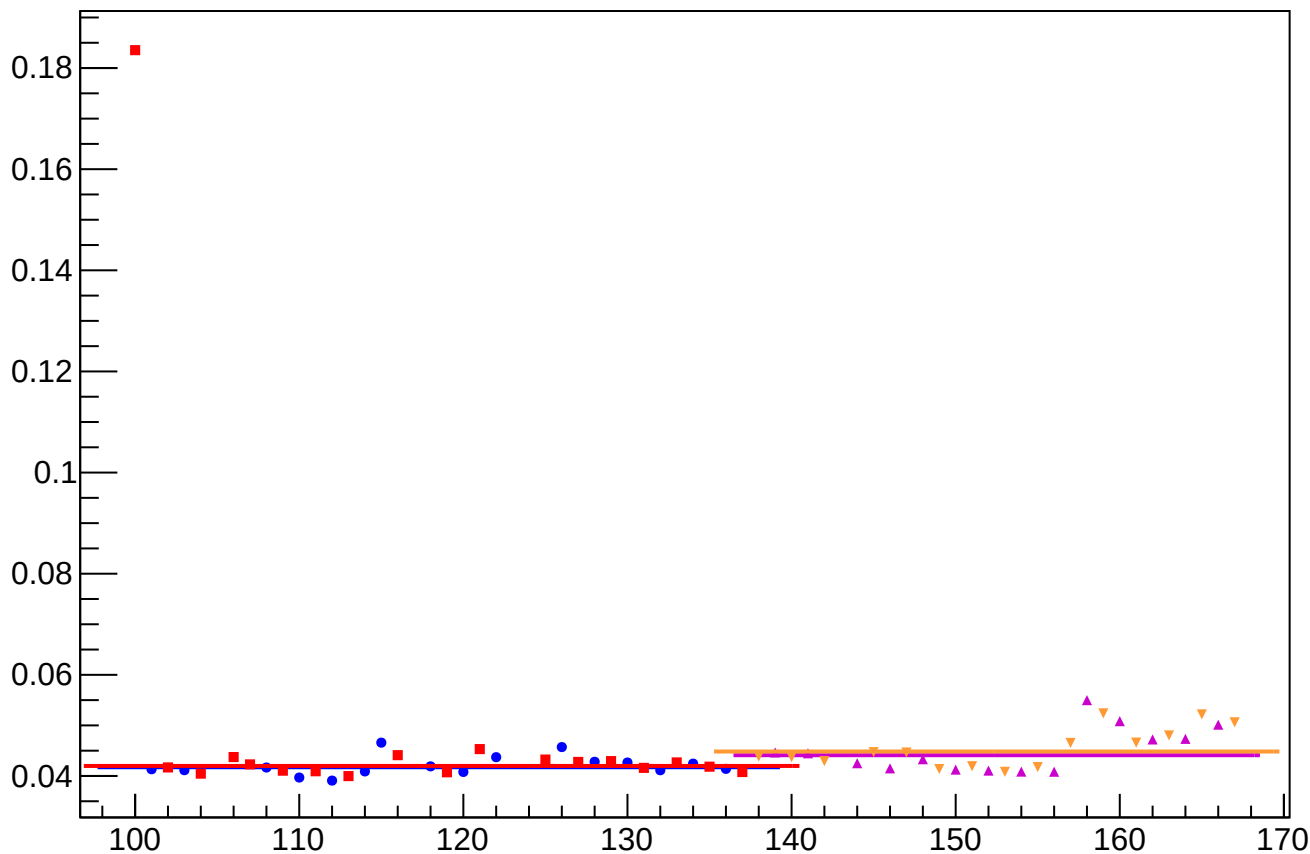
All: 0.081+/-0.000 χ^2/NDF : 1745127.0/65

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000	χ^2/NDF : 291421048436.2/15	Left: 82.849+/-0.000	χ^2/NDF : 7927226720.2/28
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: 84.307+/-0.000	χ^2/NDF : 324875878704.4/29
Left In: 82.821+/-0.000	χ^2/NDF : 3998551269.5/13	Out: 83.731+/-0.000	χ^2/NDF : 185594841652.5/32
		All: 84.017+/-0.000	χ^2/NDF : 512010905152.0

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:163508.4/13

Left: 0.044 $\pm$ 0.000 χ^2 /NDF: 297760.5/28

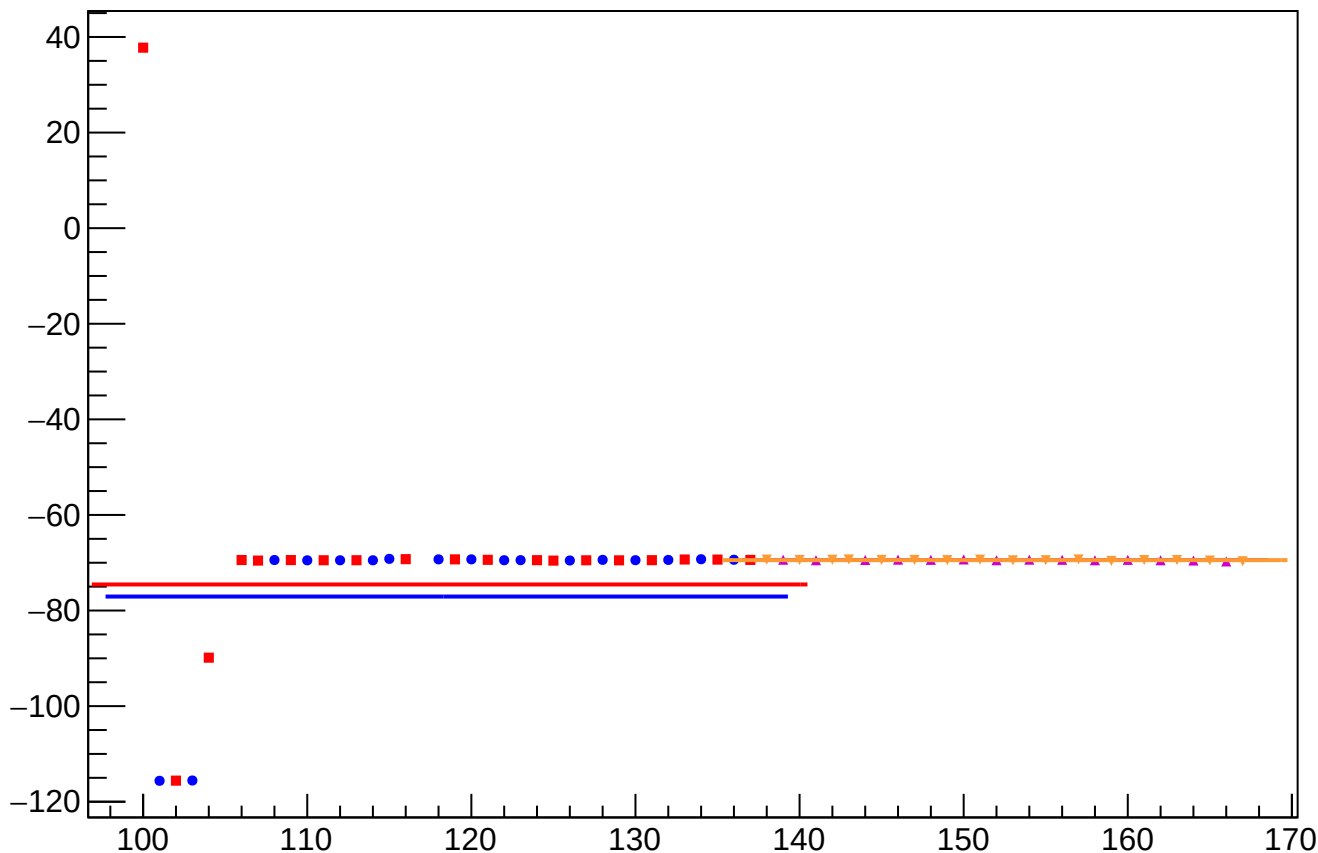
Right: 0.042 $\pm$ 0.000 χ^2 /NDF: 116001.6/33

In: 0.043 $\pm$ 0.000 χ^2 /NDF:207575.8/29

Out: 0.044 $\pm$ 0.000 χ^2 /NDF:265264.6/32

All: 0.043 $\pm$ 0.000 χ^2 /NDF: 475247.4/62

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: -69.430+/-0.000 χ^2/NDF : 30805260.0/13

Left: -69.442+/-0.000 χ^2/NDF : 70782309.7/29

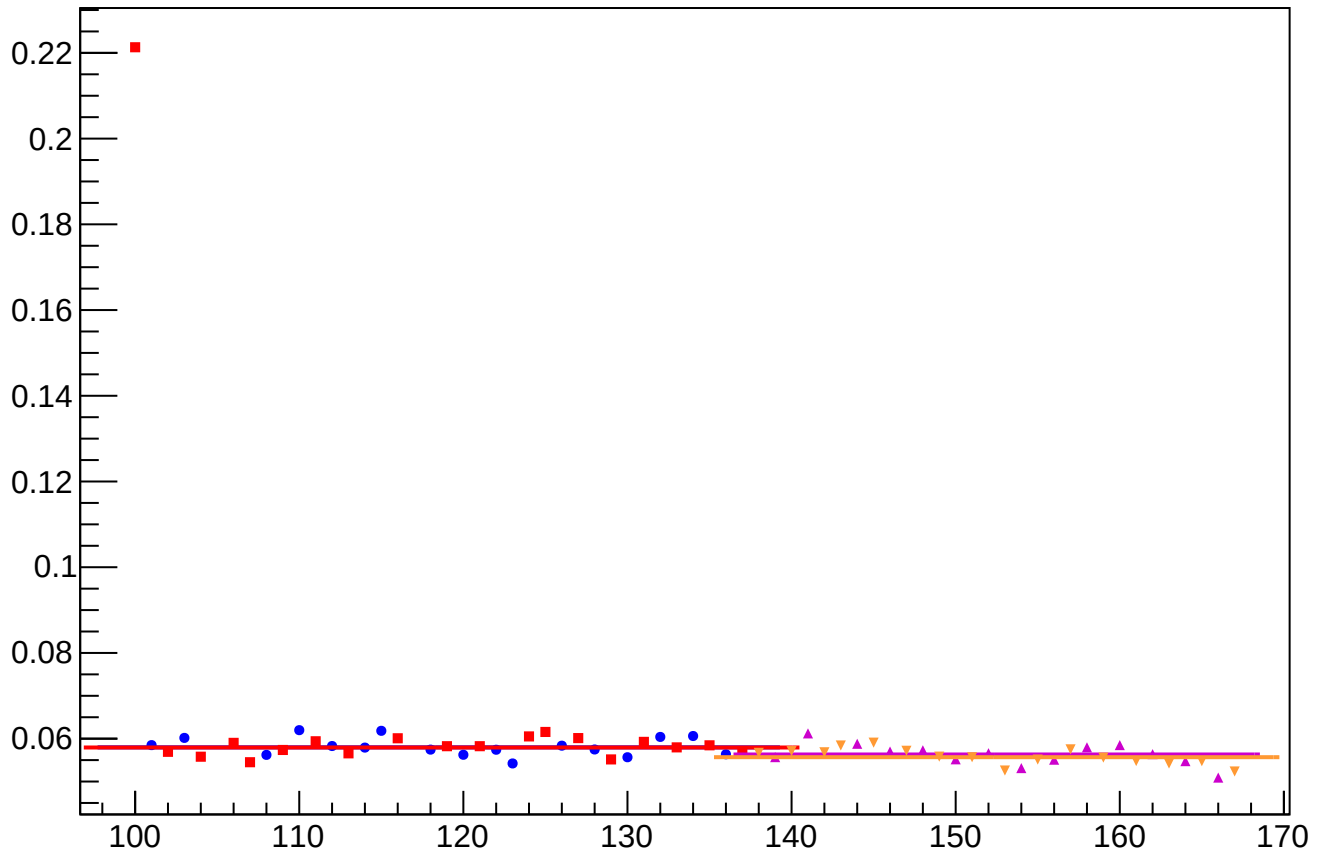
Right: -75.769+/-0.000 χ^2/NDF : 943595296169.5/30

In: -72.230+/-0.000 χ^2/NDF : 636331917924.8/30

Out: -71.261+/-0.000 χ^2/NDF : 406123476363.5/34

All: -71.722+/-0.000 χ^2/NDF : 104502901700

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 : 38058.0/13

Left: 0.056 ± 0.000 χ^2/NDF : 64932.0/29

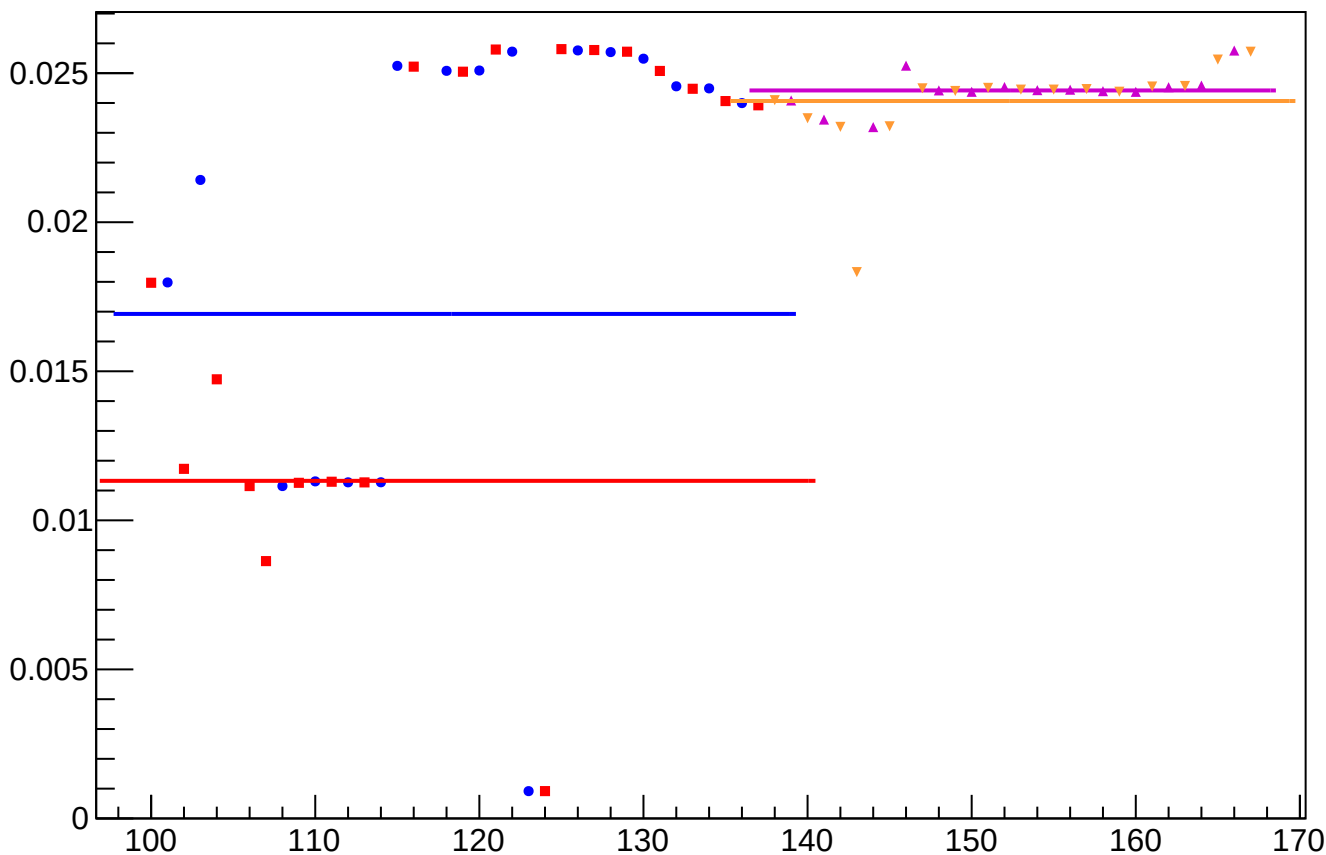
Right: 0.058 ± 0.000 χ^2/NDF : 98743.9/35

In: 0.057 ± 0.000 χ^2/NDF : 57049.9/30

Out: 0.056 ± 0.000 χ^2/NDF : 125444.0/34

All: 0.057 ± 0.000 χ^2/NDF : 183532.8/65

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000

χ^2/NDF : 126447785006.7/16

Left: 0.024+/-0.000

χ^2/NDF : 6687503296.9/29

Left Out: 0.024+/-0.000

χ^2/NDF : 5903100929.6/15

Right: 0.014+/-0.000

χ^2/NDF : 392122680736.2/35

Right Out: 0.011+/-0.000

χ^2/NDF : 179533272728.5/30

In: 0.021+/-0.000

χ^2/NDF : 431701677756.4/34

Out: 0.018+/-0.000

χ^2/NDF : 637097027881.6

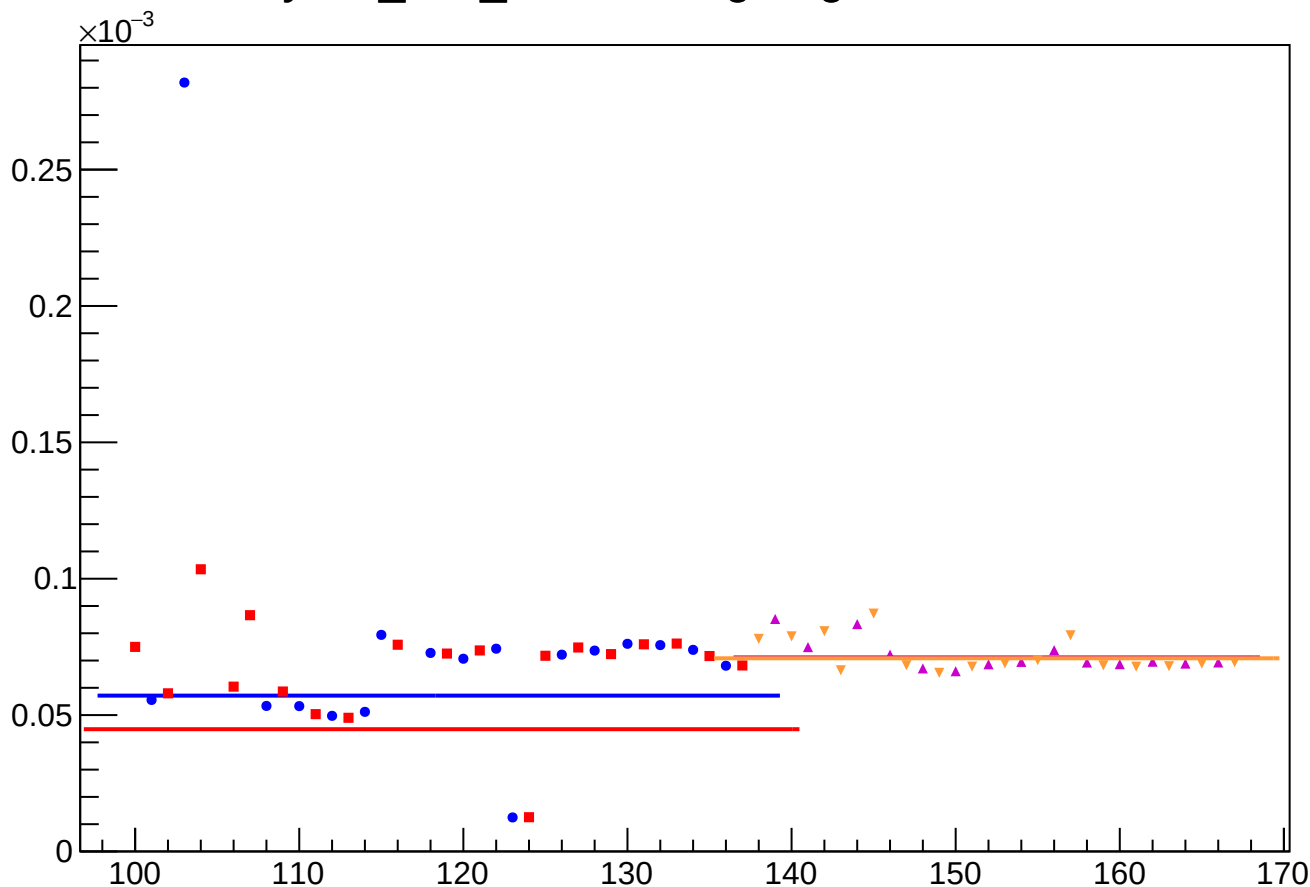
Left In: 0.024+/-0.000

χ^2/NDF : 646307778.3/13

All: 0.019+/-0.000

χ^2/NDF : 637097027881.6

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 :106008.9/13

Left: 0.000+/-0.000 χ^2/NDF : 247226.5/29

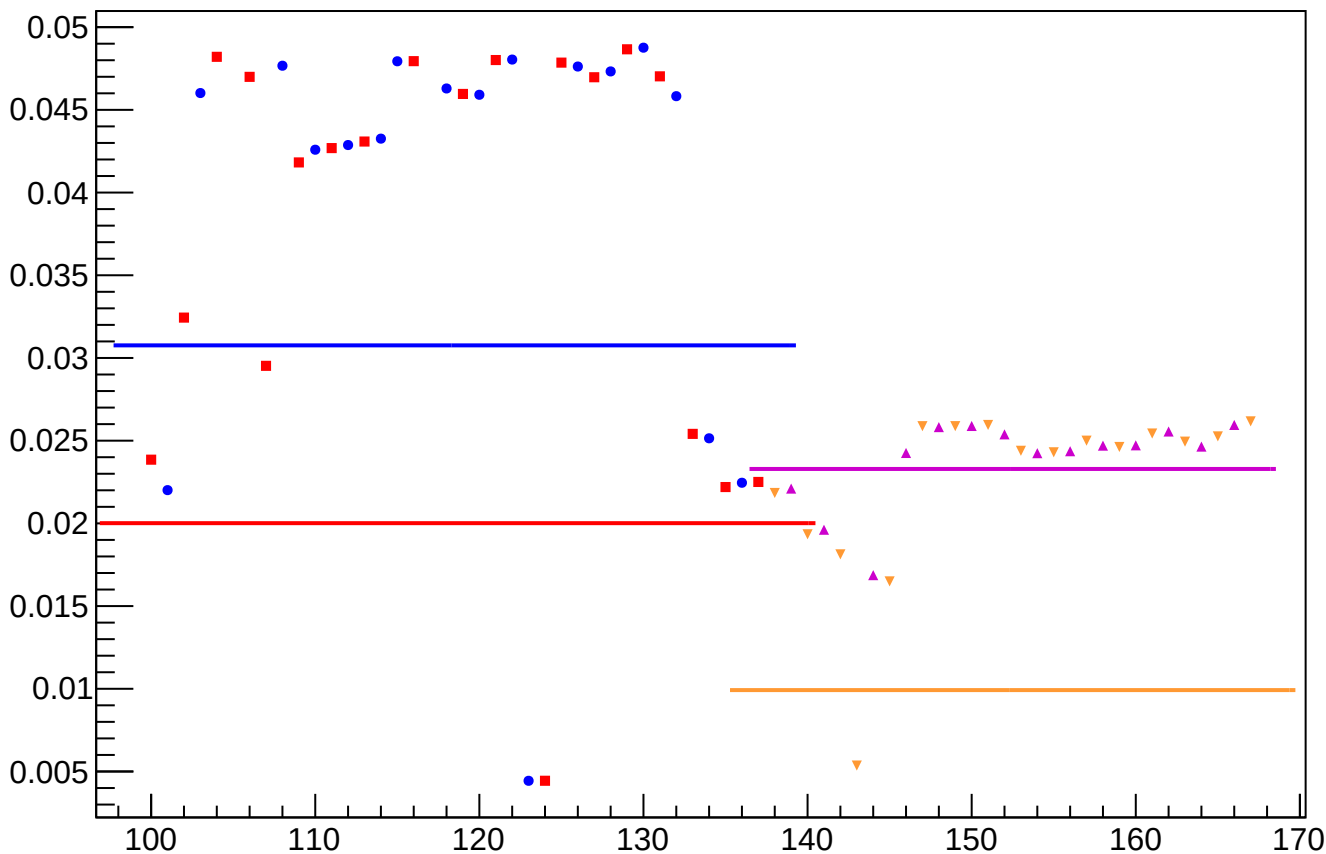
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2473260.4/30

Out: 0.000+/-0.000 χ^2/NDF :5323839.5/34

All: 0.000+/-0.000 χ^2/NDF : 8023362.8/65

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21174738549.0/16

Left: 0.012+/-0.000

χ^2/NDF : 46951353423.7/29

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 : 24677453058.8/30

Out: 0.012+/-0.000

χ^2/NDF : 79306891923.5/34

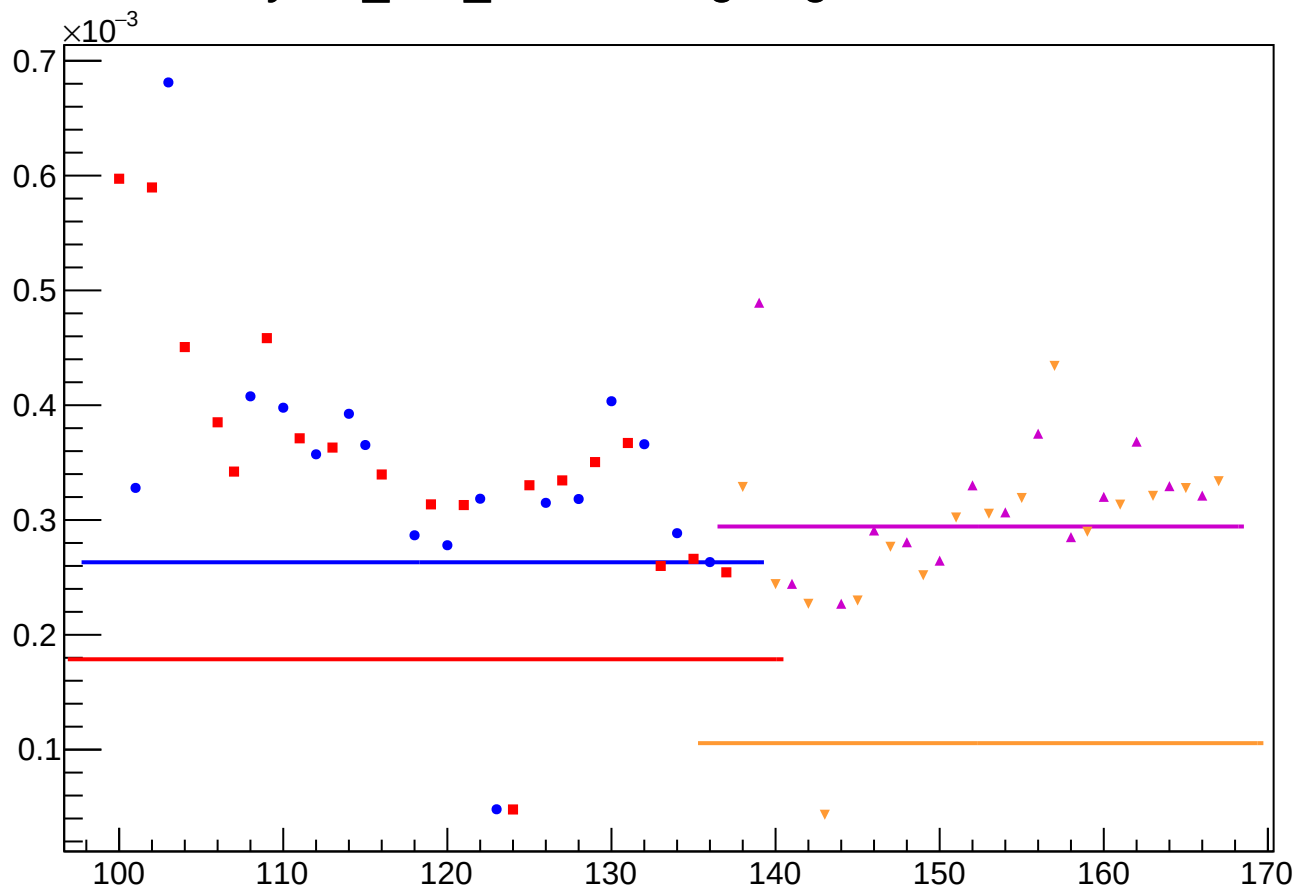
Left In: 0.023+/-0.000

χ^2/NDF : 1083135652.5/13

All: 0.015+/-0.000

χ^2/NDF : 132217203458.2

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 :616955.9/13

Left: 0.000+/-0.000 χ^2/NDF : 18131712.9/29

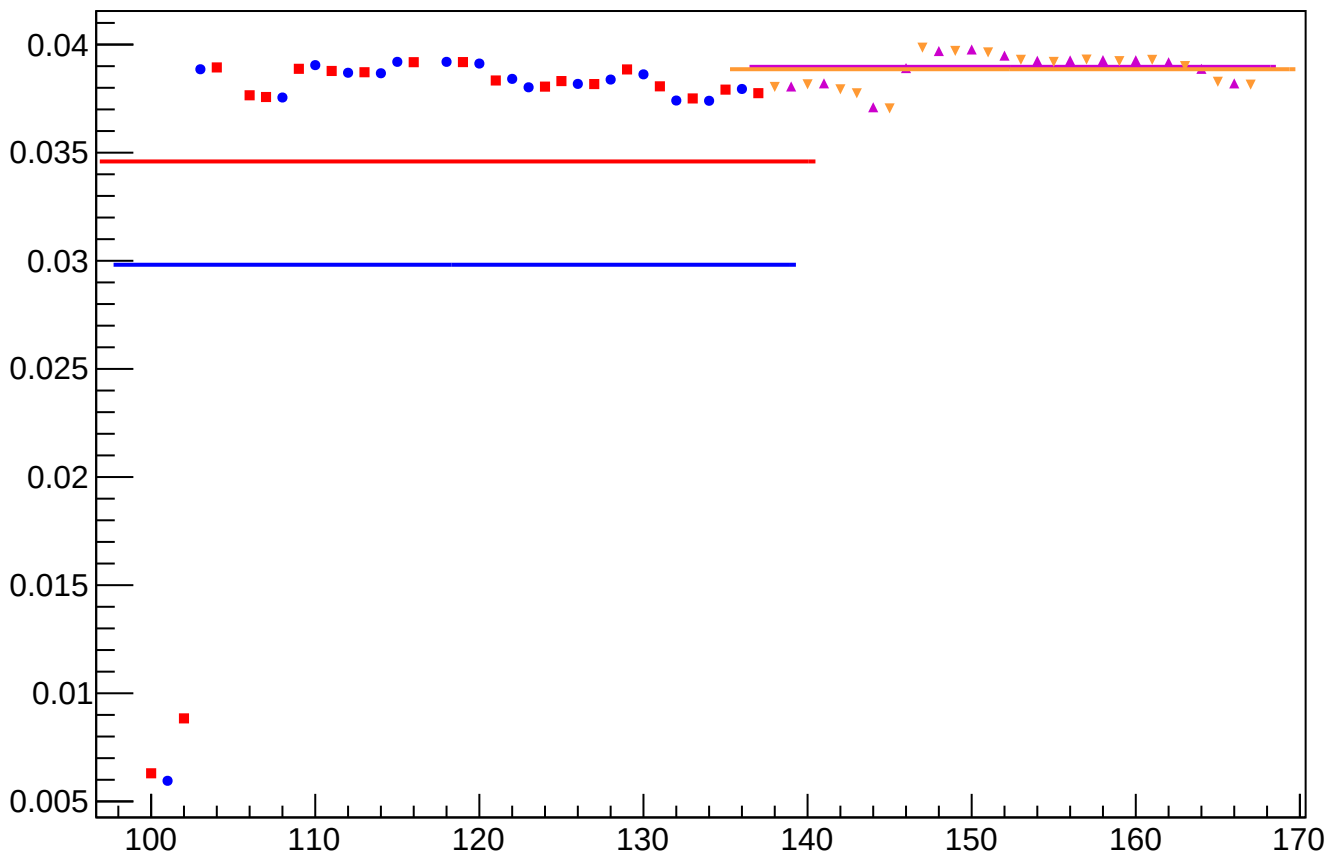
Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF :3102165.2/30

Out: 0.000+/-0.000 χ^2/NDF :17431797.4/34

All: 0.000+/-0.000 χ^2/NDF : 27836073.9/65

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 : 682545314.7/29

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 : 119479586112.8/30

Out: 0.037+/-0.000

χ^2/NDF : 48790767503.5/34

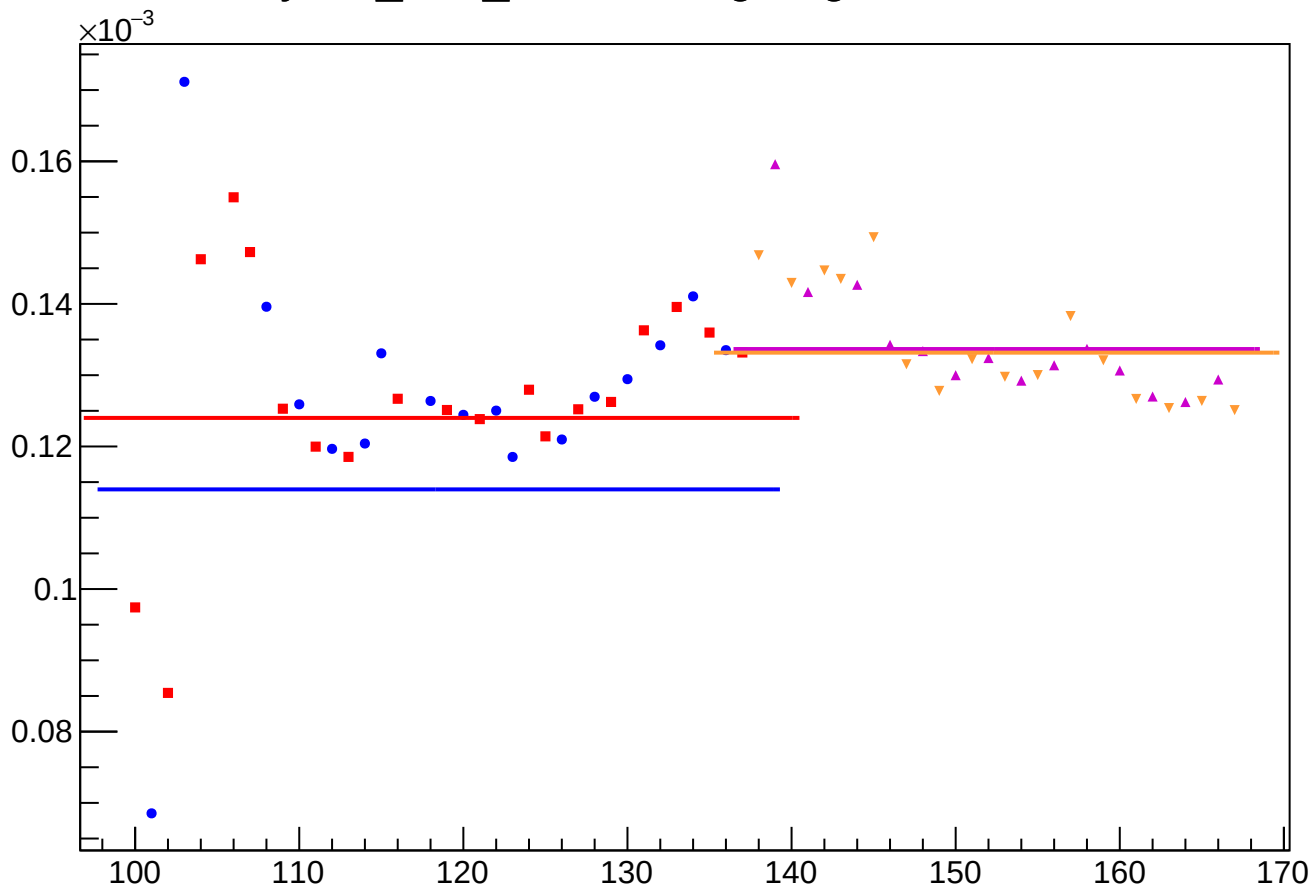
Left In: 0.039+/-0.000

χ^2/NDF : 294745990.9/13

All: 0.036+/-0.000

χ^2/NDF : 170984285021.0

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 : 63567.7/13

Left: 0.000+/-0.000 χ^2/NDF : 139173.6/29

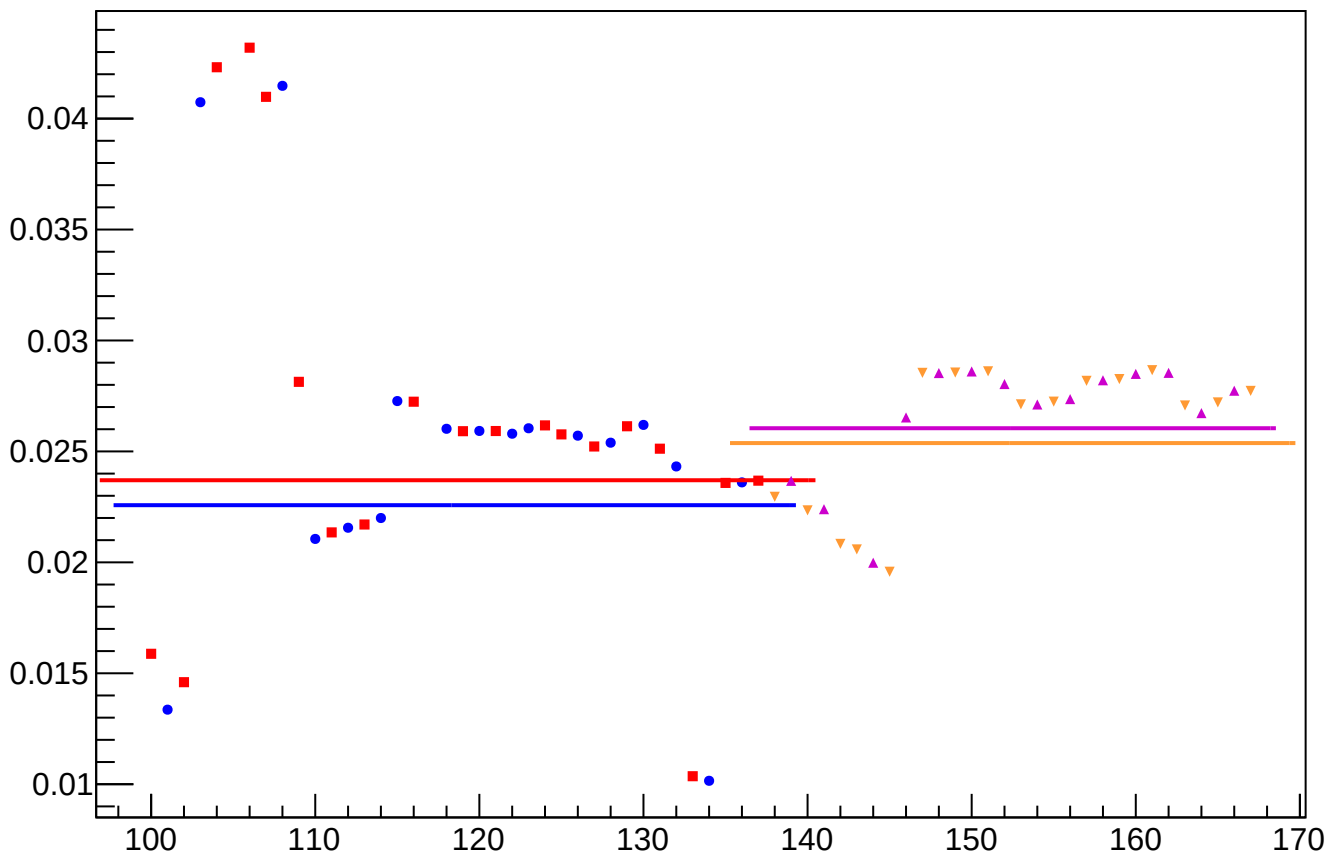
Right: 0.000+/-0.000 χ^2/NDF : 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF : 1062052.5/30

Out: 0.000+/-0.000 χ^2/NDF : 364260.8/34

All: 0.000+/-0.000 χ^2/NDF : 1448784.7/65

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 : 1118358568.9/13

Left: 0.026+/-0.000 χ^2/NDF : 2794255144.9/29

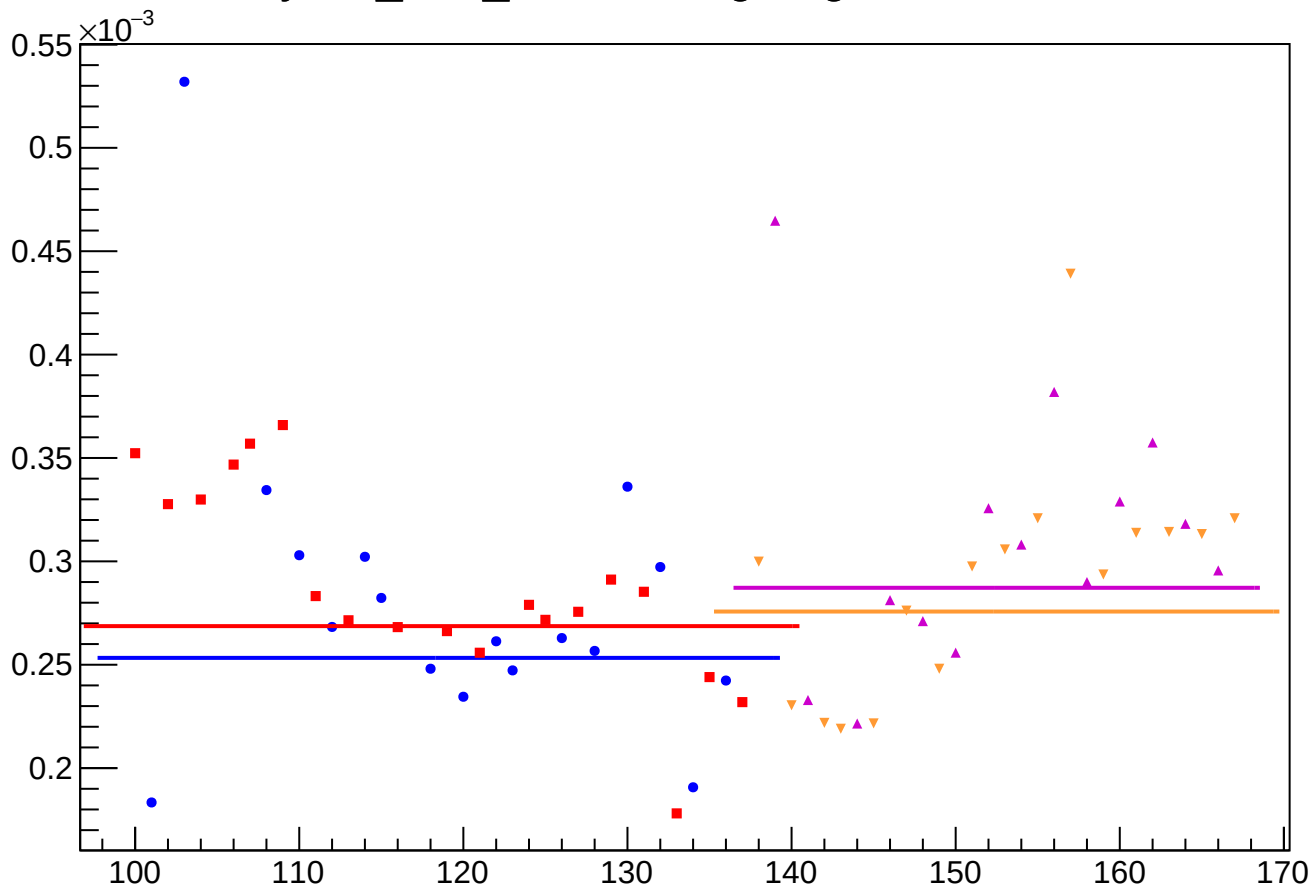
Right: 0.023+/-0.000 χ^2/NDF : 9954563356.3/35

In: 0.025+/-0.000 χ^2/NDF : 5980583997.9/30

Out: 0.025+/-0.000 χ^2/NDF : 7446264525.3/34

All: 0.025+/-0.000 χ^2/NDF : 13430793147.8/6

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 : 657404.7/13

Left: 0.000+/-0.000 χ^2/NDF : 1261930.7/29

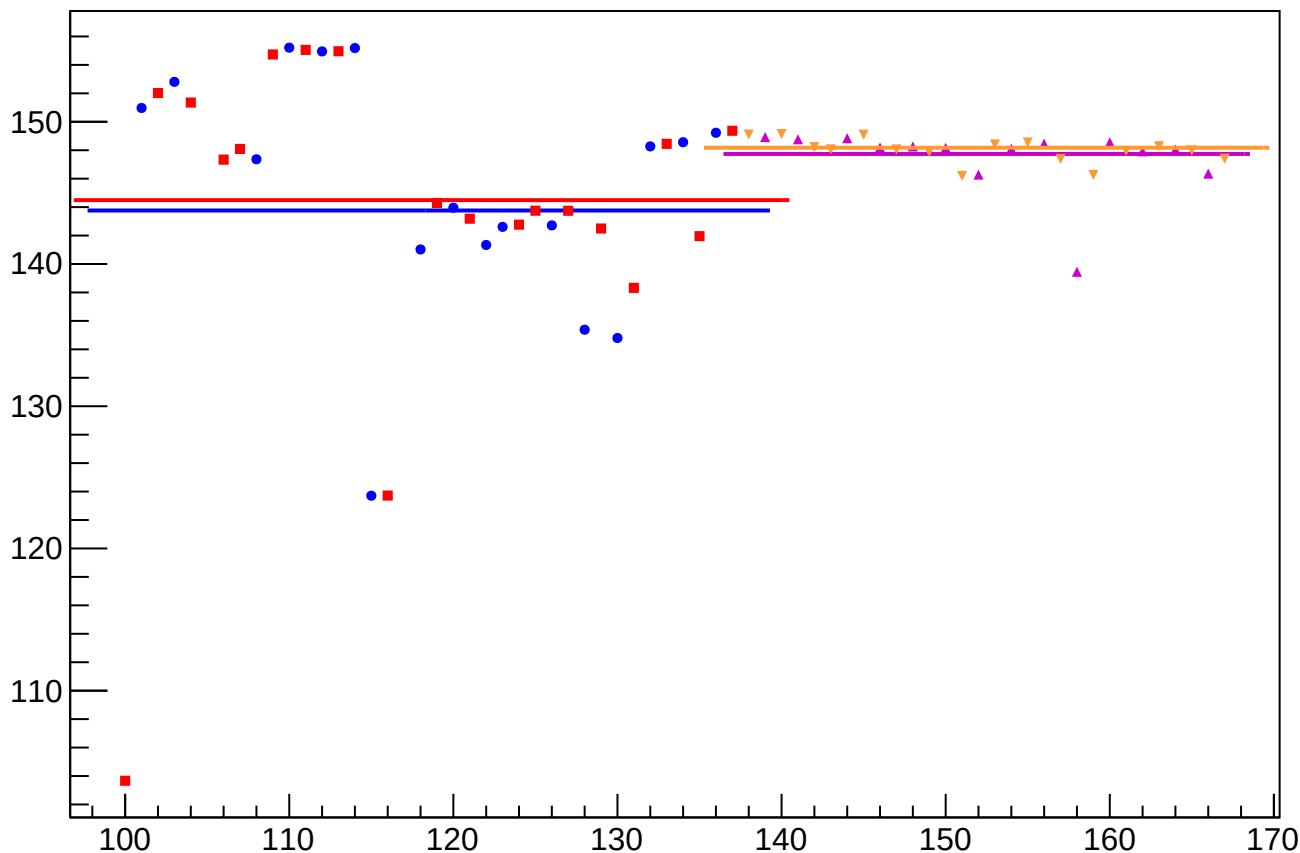
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF : 1403897.3/30

Out: 0.000+/-0.000 χ^2/NDF : 1021389.7/34

All: 0.000+/-0.000 χ^2/NDF : 2425341.5/65

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.176 $\pm$ 0.000 χ^2 /NDF: 52407732.4/15

Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18

Left In: 147.737 $\pm$ 0.000 χ^2 /NDF: 325187601.5/13

Left: 147.967 $\pm$ 0.000 χ^2 /NDF: 384091165.2/29

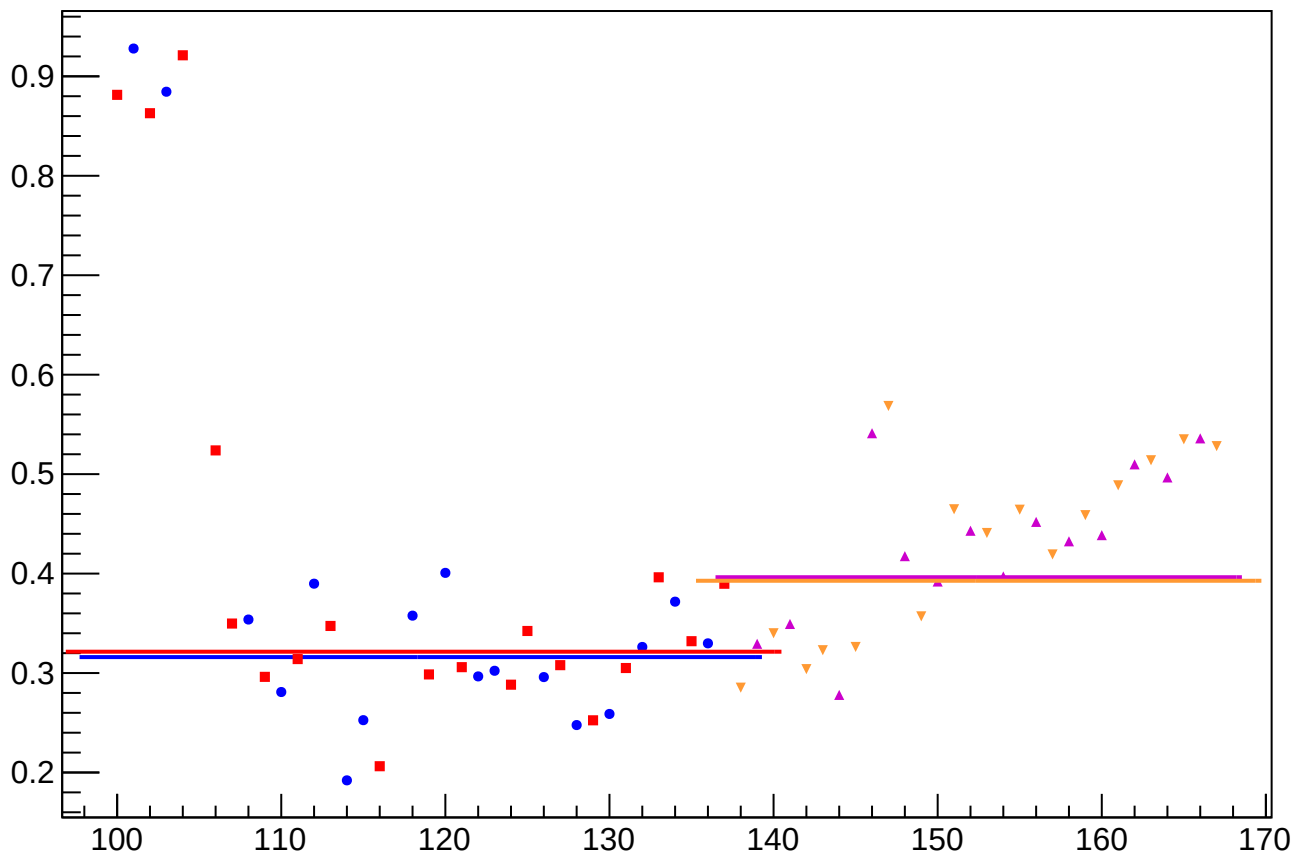
Right: 144.130 $\pm$ 0.000 χ^2 /NDF: 7732099987.4/35

In: 145.896 $\pm$ 0.000 χ^2 /NDF: 4331328051.8/30

Out: 146.540 $\pm$ 0.000 χ^2 /NDF: 4663151239.1/34

All: 146.228 $\pm$ 0.000 χ^2 /NDF: 9020158270.0

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.393+/-0.000 χ^2/NDF :1044249.0/15

Right Out: 0.321+/-0.000 χ^2/NDF : 1219073.9/18

Left In: 0.396+/-0.000 χ^2/NDF :766434.5/13

Left: 0.394+/-0.000 χ^2/NDF : 1811537.0/29

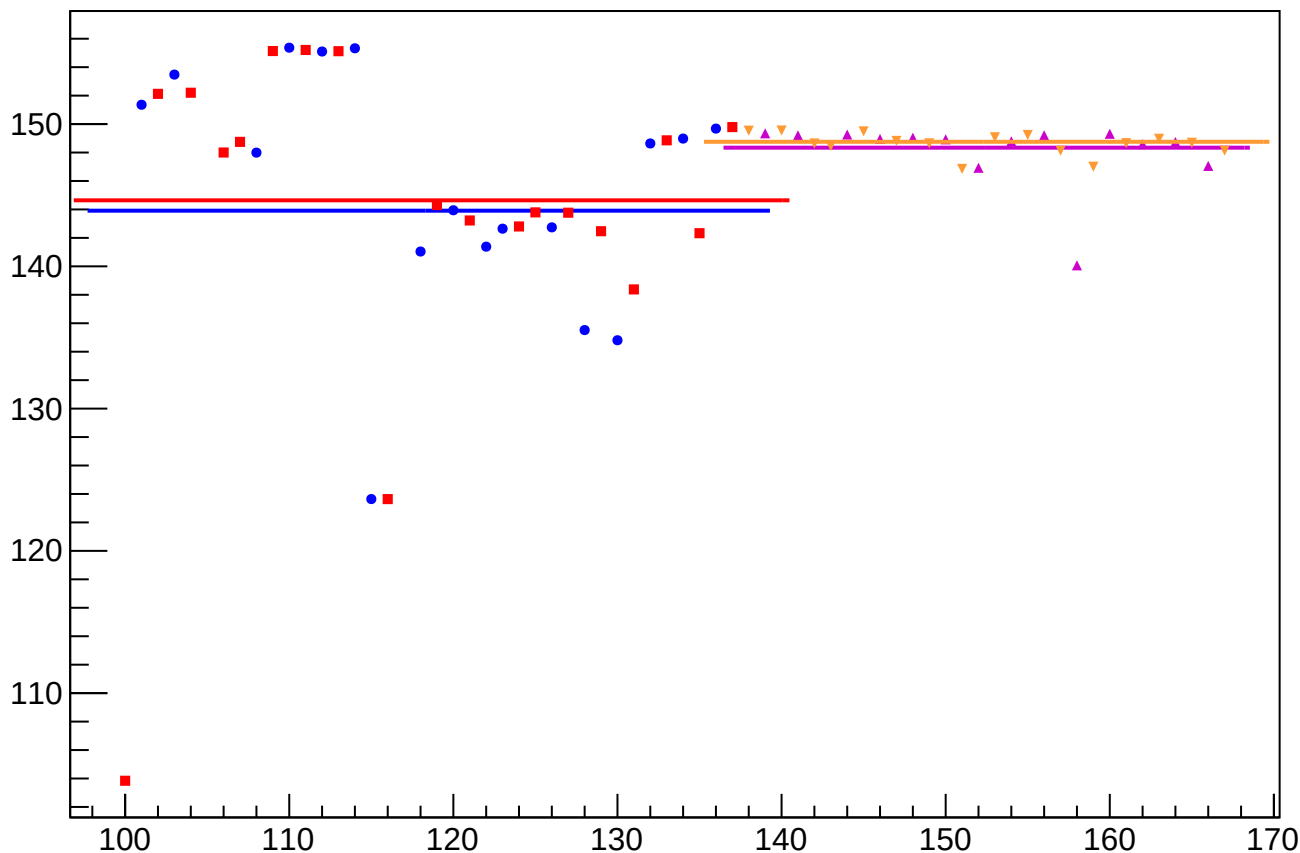
Right: 0.319+/-0.000 χ^2/NDF : 2486648.0/35

In: 0.359+/-0.000 χ^2/NDF :2417371.4/30

Out: 0.361+/-0.000 χ^2/NDF :2584140.5/34

All: 0.360+/-0.000 χ^2/NDF : 5002005.4/65

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: 148.341 $\pm$ 0.000 χ^2 /NDF: 313900720.1/13

Left: 148.558 $\pm$ 0.000 χ^2 /NDF: 360469530.6/29

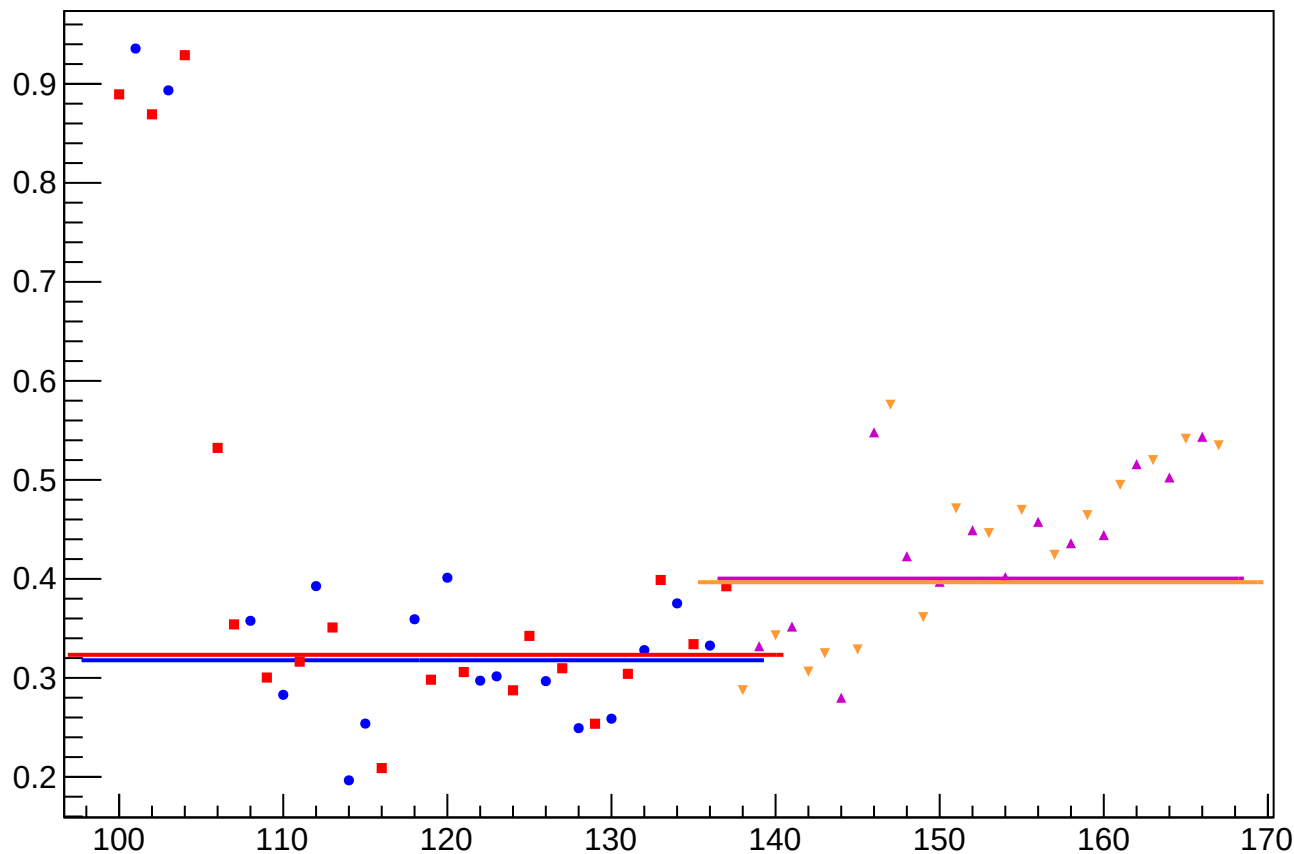
Right: 144.280 $\pm$ 0.000 χ^2 /NDF: 7812104995.9/35

In: 146.279 $\pm$ 0.000 χ^2 /NDF: 4477981275.1/30

Out: 146.920 $\pm$ 0.000 χ^2 /NDF: 4775977817.7/34

All: 146.609 $\pm$ 0.000 χ^2 /NDF: 9279029161.3

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: 0.400+/-0.000 χ^2/NDF :782910.3/13

Left: 0.398+/-0.000 χ^2/NDF : 1847236.4/29

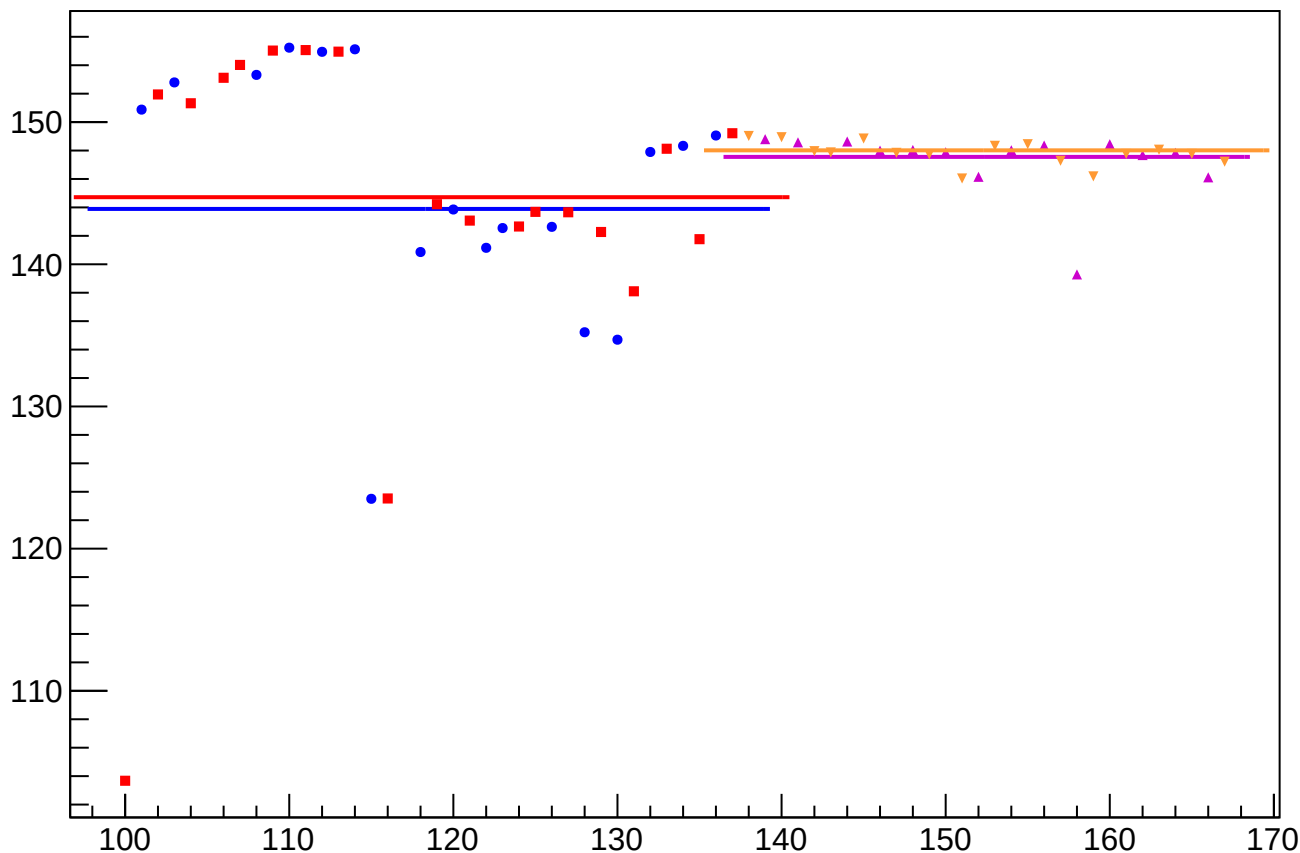
Right: 0.321+/-0.000 χ^2/NDF : 2492180.0/35

In: 0.362+/-0.000 χ^2/NDF :2451085.7/30

Out: 0.364+/-0.000 χ^2/NDF :2619351.0/34

All: 0.363+/-0.000 χ^2/NDF : 5070945.4/65

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16

Left Out: 148.014 $\pm$ 0.000 χ^2 /NDF: 50891381.9/15

Right Out: 144.719 $\pm$ 0.000 χ^2 /NDF: 4473225884.5/18

Left In: 147.553 $\pm$ 0.000 χ^2 /NDF: 324004254.2/13

Left: 147.795 $\pm$ 0.000 χ^2 /NDF: 382008980.9/29

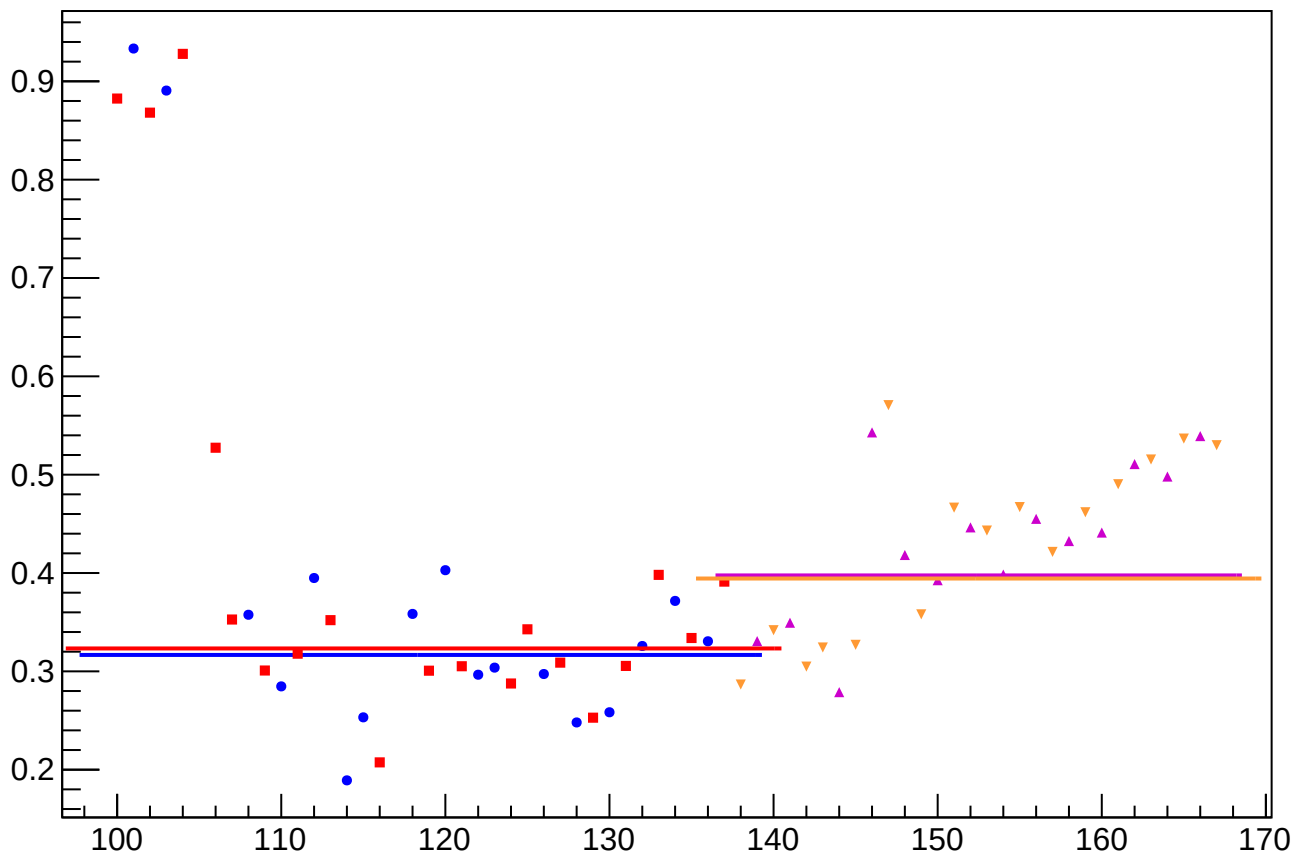
Right: 144.309 $\pm$ 0.000 χ^2 /NDF: 8244852440.8/35

In: 145.857 $\pm$ 0.000 χ^2 /NDF: 4474002176.7/30

Out: 146.554 $\pm$ 0.000 χ^2 /NDF: 4862928542.9/34

All: 146.216 $\pm$ 0.000 χ^2 /NDF: 9366721935.1

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.394 $\pm$ 0.000 χ^2 /NDF:1045178.0/15

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222784.7/18

Left In: 0.398 $\pm$ 0.000 χ^2 /NDF:770831.4/13

Left: 0.396 $\pm$ 0.000 χ^2 /NDF: 1816675.1/29

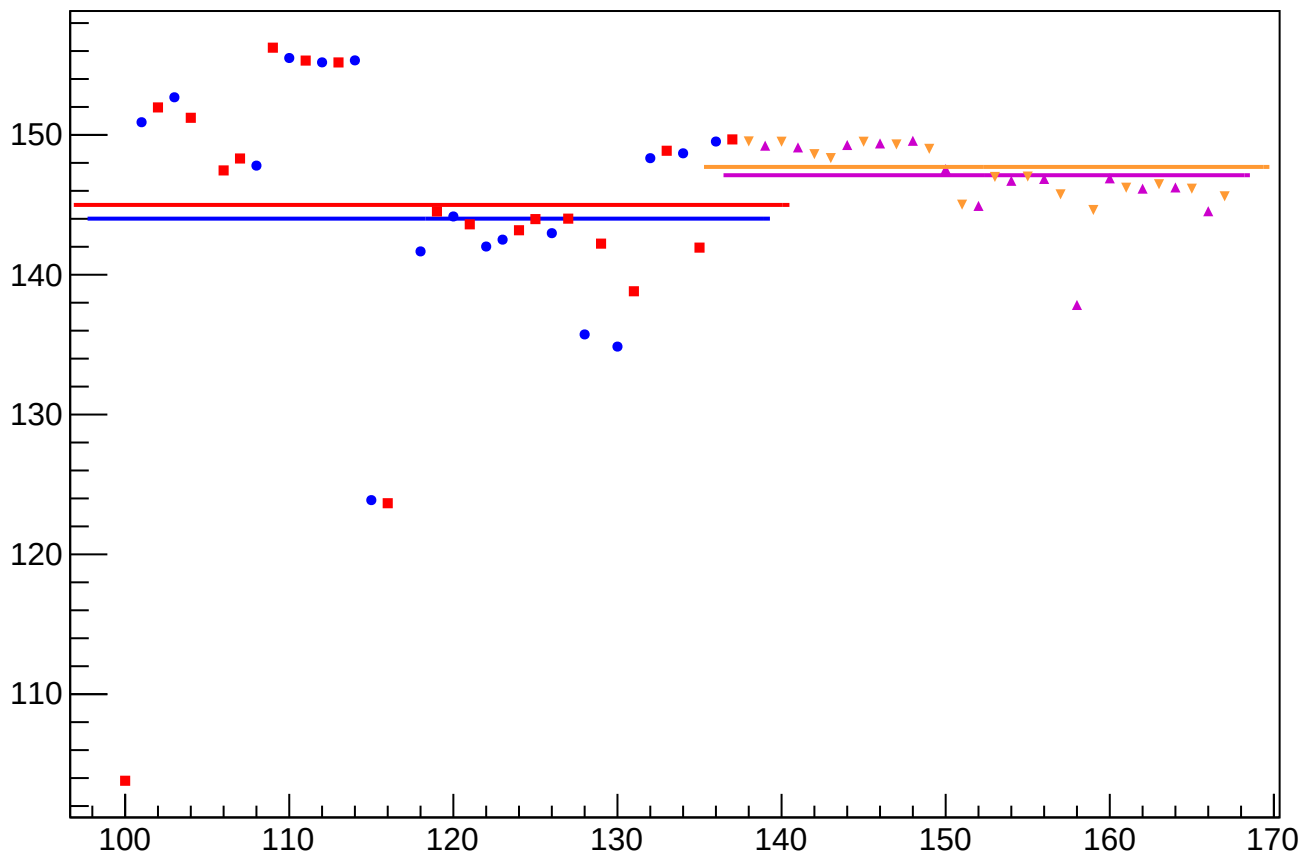
Right: 0.320 $\pm$ 0.000 χ^2 /NDF: 2505560.8/35

In: 0.360 $\pm$ 0.000 χ^2 /NDF:2439031.7/30

Out: 0.363 $\pm$ 0.000 χ^2 /NDF:2583634.1/34

All: 0.362 $\pm$ 0.000 χ^2 /NDF: 5023633.2/65

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 ± 0.000 $\chi^2/\text{NDF}: 3241696920.3/16$

Left Out: 147.711 ± 0.000 $\chi^2/\text{NDF}: 189940066.8/15$

Right Out: 144.994 ± 0.000 $\chi^2/\text{NDF}: 3852381452.1/18$

Left In: 147.118 ± 0.000 $\chi^2/\text{NDF}: 499825446.9/13$

Left: 147.429 ± 0.000 $\chi^2/\text{NDF}: 700735783.7/29$

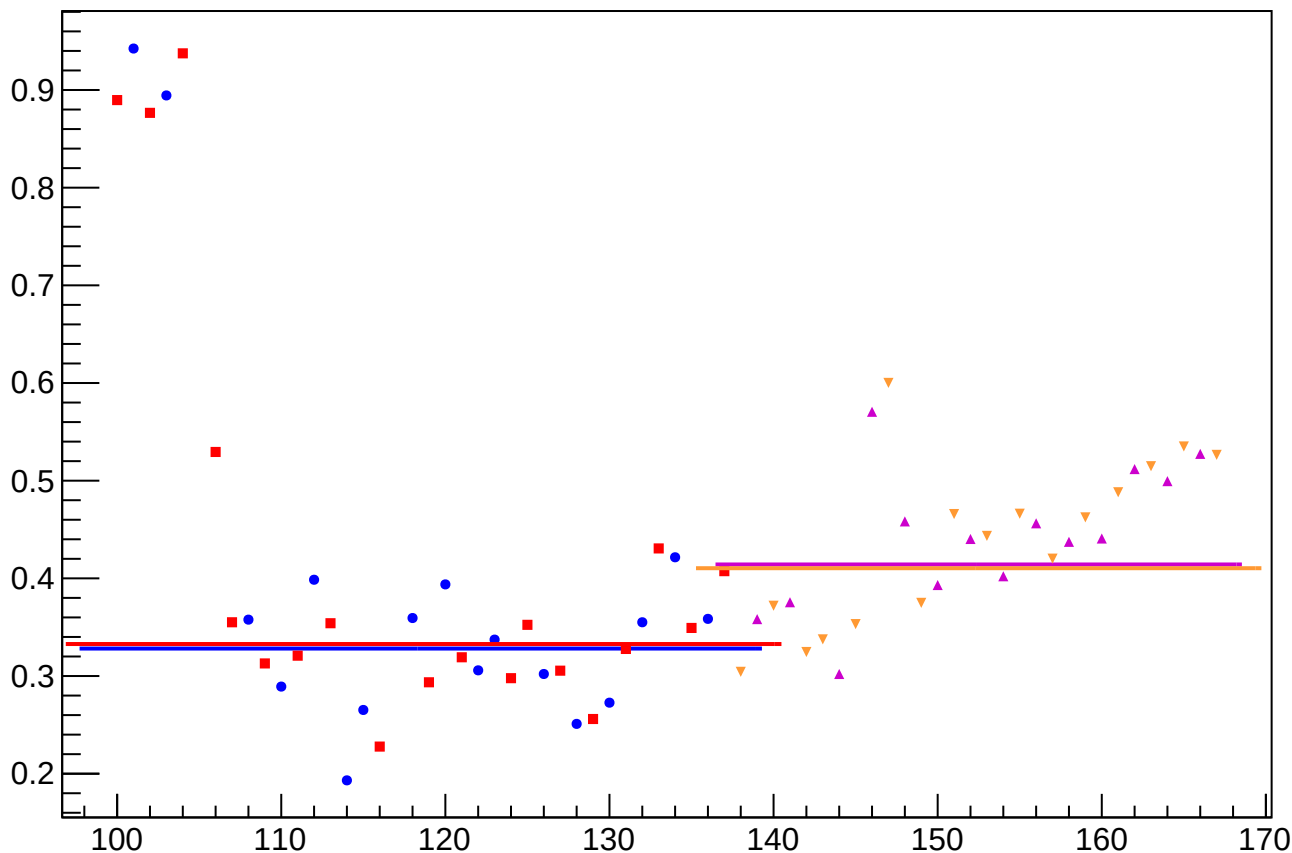
Right: 144.510 ± 0.000 $\chi^2/\text{NDF}: 7119138597.7/35$

In: 145.679 ± 0.000 $\chi^2/\text{NDF}: 4007135922.4/30$

Out: 146.498 ± 0.000 $\chi^2/\text{NDF}: 4258275558.5/34$

All: 146.102 ± 0.000 $\chi^2/\text{NDF}: 8303809502.0$

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.410+/-0.000 χ^2/NDF : 813772.6/15

Right Out: 0.333+/-0.000 χ^2/NDF : 1185129.6/18

Left In: 0.414+/-0.000 χ^2/NDF : 582350.9/13

Left: 0.412+/-0.000 χ^2/NDF : 1397032.3/29

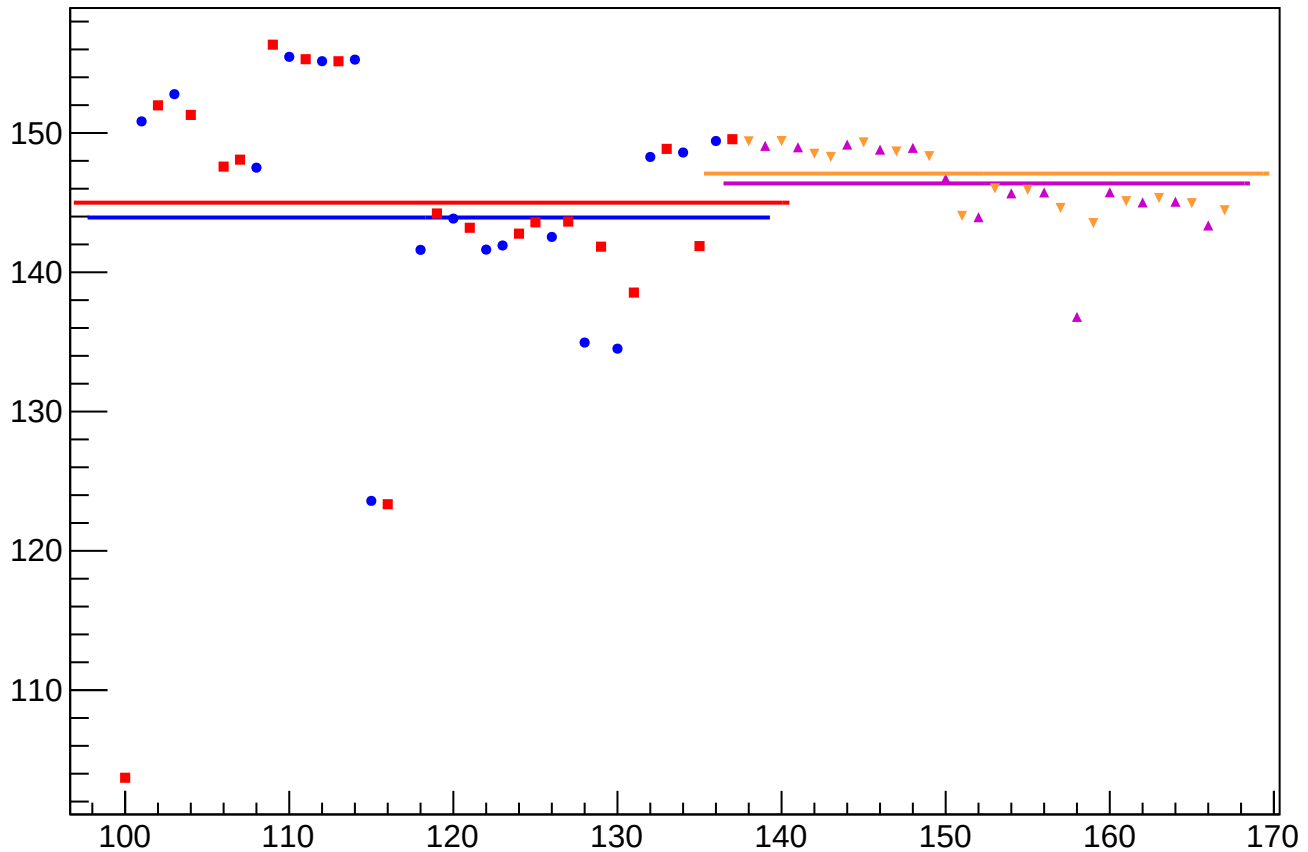
Right: 0.330+/-0.000 χ^2/NDF : 2452140.8/35

In: 0.374+/-0.000 χ^2/NDF : 2256298.7/30

Out: 0.376+/-0.000 χ^2/NDF : 2351182.1/34

All: 0.375+/-0.000 χ^2/NDF : 4607710.8/65

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 ± 0.000 $\chi^2/\text{NDF}: 3383012861.2/16$

Left Out: 147.088 ± 0.000 $\chi^2/\text{NDF}: 291058205.9/15$

Right Out: 144.998 ± 0.000 $\chi^2/\text{NDF}: 3932958476.0/18$

Left In: 146.379 ± 0.000 $\chi^2/\text{NDF}: 614813801.7/13$

Left: 146.751 ± 0.000 $\chi^2/\text{NDF}: 921437289.7/29$

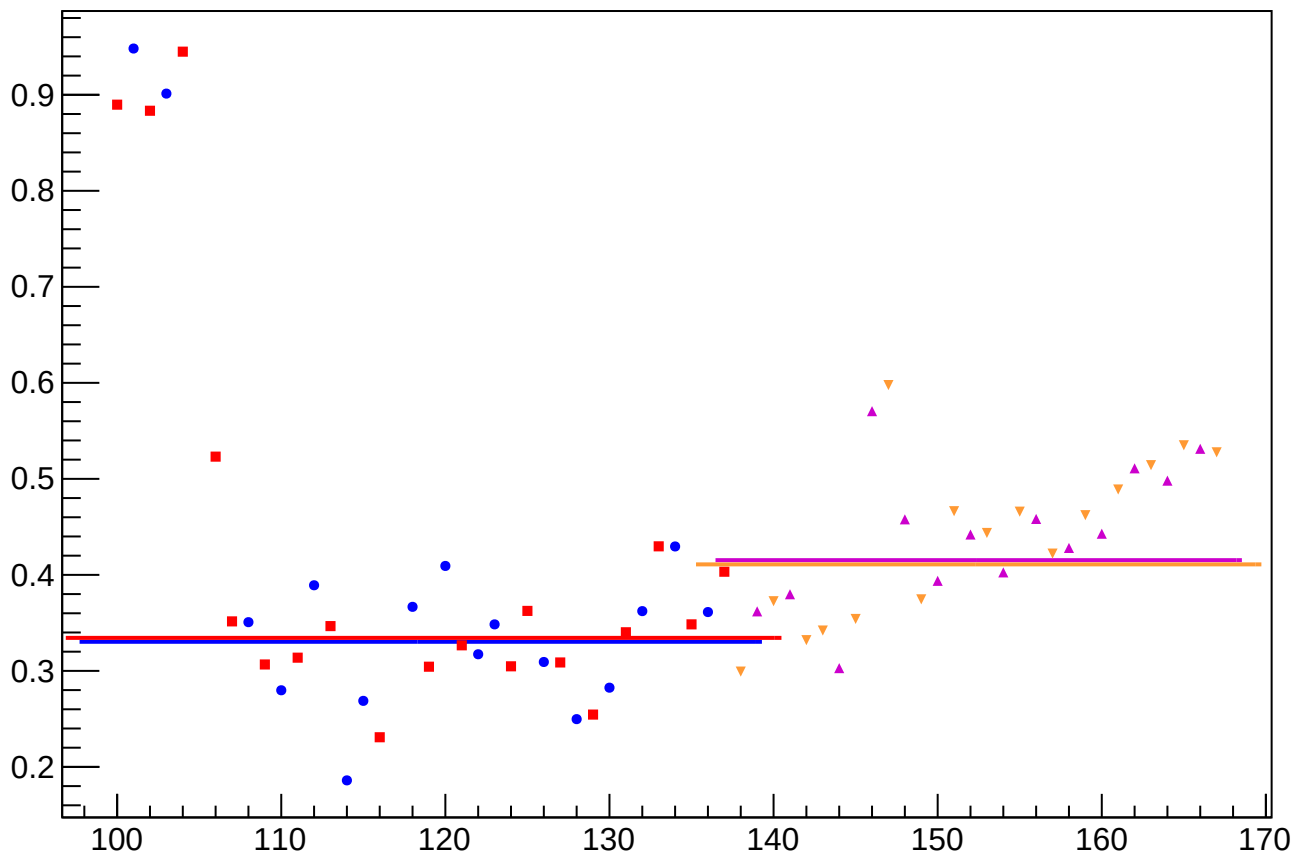
Right: 144.474 ± 0.000 $\chi^2/\text{NDF}: 7345100324.4/35$

In: 145.252 ± 0.000 $\chi^2/\text{NDF}: 4160672131.4/30$

Out: 146.159 ± 0.000 $\chi^2/\text{NDF}: 4350657202.3/34$

All: 145.721 ± 0.000 $\chi^2/\text{NDF}: 8557936930.6$

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.411+/-0.000 χ^2/NDF : 812270.1/15

Right Out: 0.334+/-0.000 χ^2/NDF : 1174012.0/18

Left In: 0.415+/-0.000 χ^2/NDF : 567026.8/13

Left: 0.413+/-0.000 χ^2/NDF : 1380495.2/29

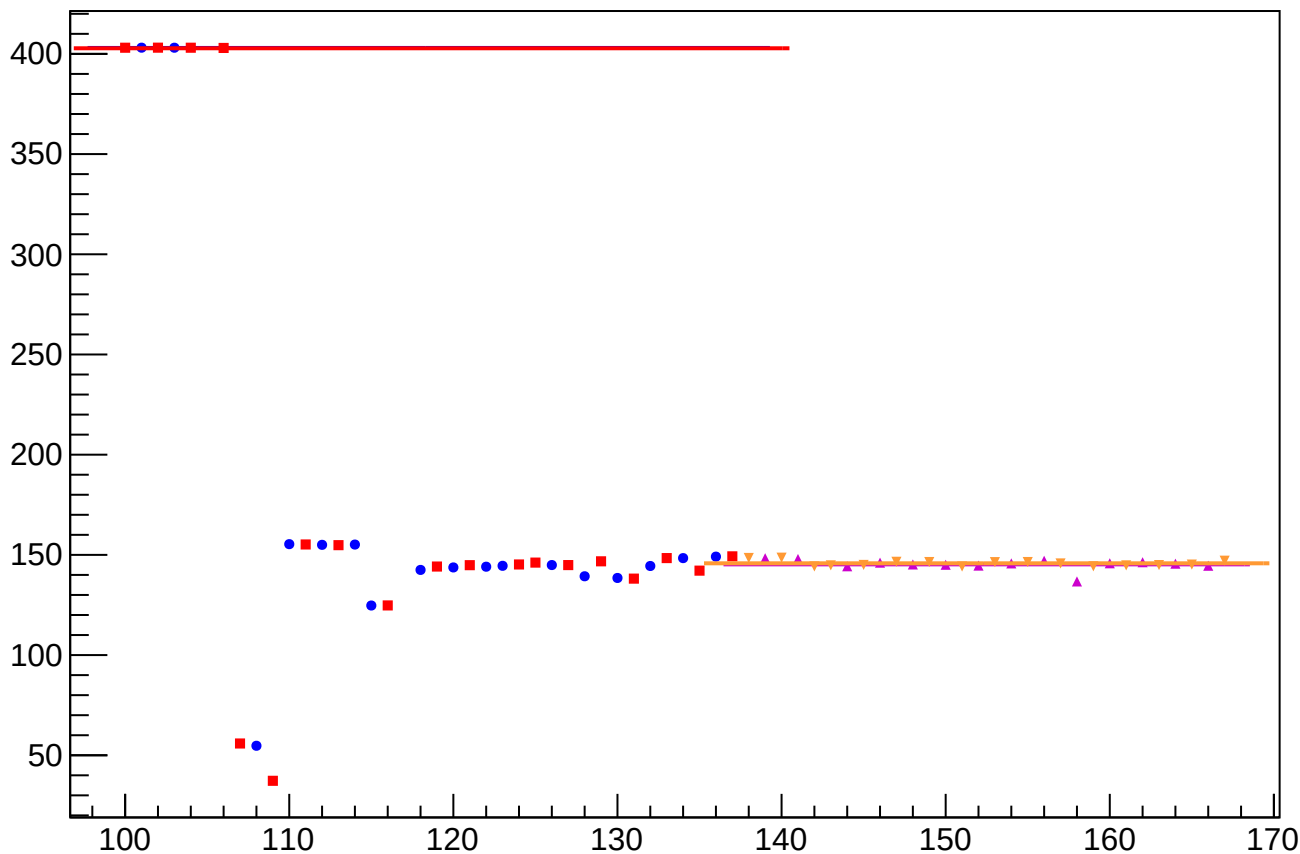
Right: 0.332+/-0.000 χ^2/NDF : 2458819.5/35

In: 0.376+/-0.000 χ^2/NDF : 2244193.8/30

Out: 0.377+/-0.000 χ^2/NDF : 2326032.8/34

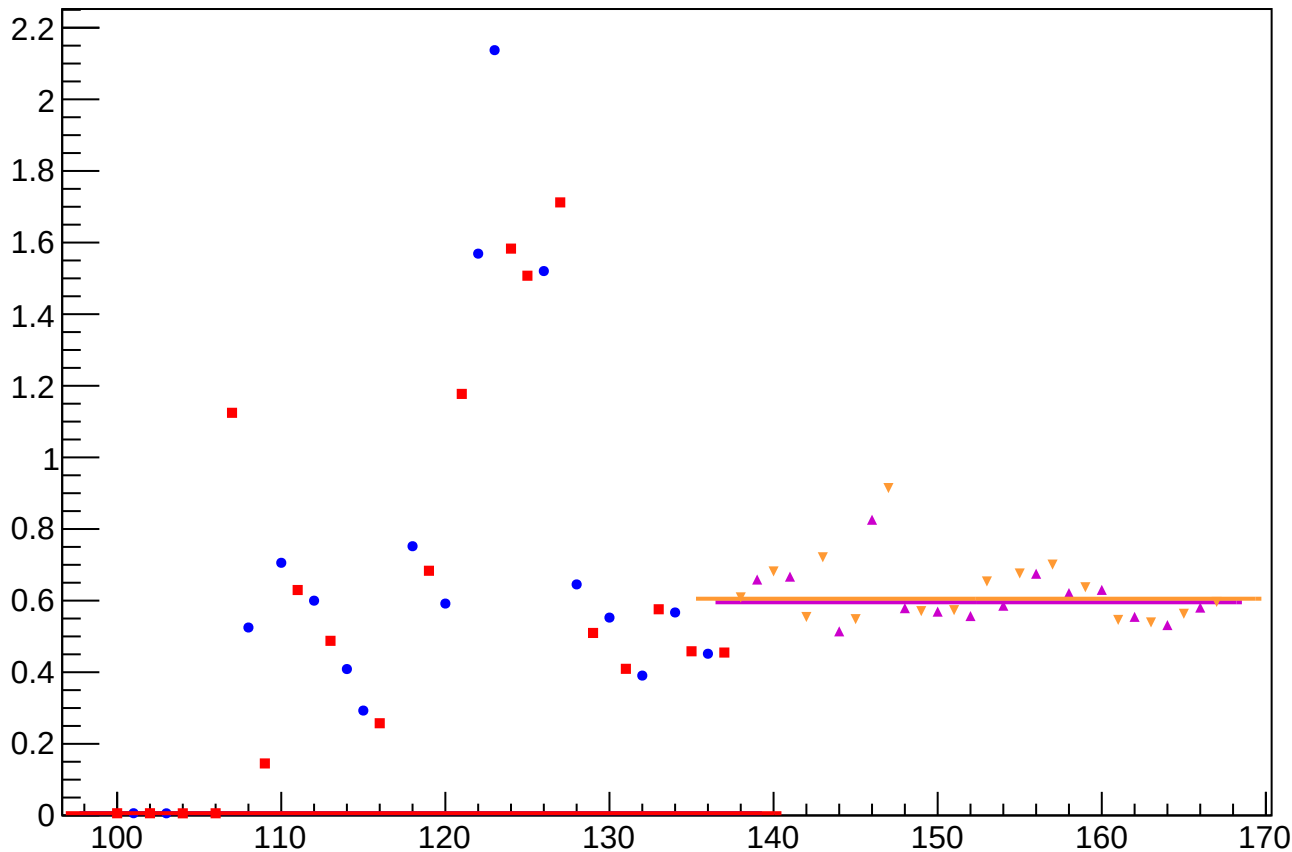
All: 0.377+/-0.000 χ^2/NDF : 4570289.5/65

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000	χ^2/NDF : 1094364588383.4/16	Left: 145.542+/-0.000	χ^2/NDF : 178252996.0/29
Left Out: 145.794+/-0.000	χ^2/NDF : 44614617.9/15	Right: 402.873+/-0.000	χ^2/NDF : 4196818264482.1/16
Right Out: 402.799+/-0.000	χ^2/NDF : 3102036567767.5/18	In: 402.778+/-0.000	χ^2/NDF : 2538814419539.7/30
Left In: 145.271+/-0.000	χ^2/NDF : 130553742.5/13	Out: 402.629+/-0.000	χ^2/NDF : 4643514008153.2/30
		All: 402.699+/-0.000	χ^2/NDF : 718269568292.1/16

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: 0.595+/-0.000 χ^2/NDF : 187722.1/13

Left: 0.601+/-0.000 χ^2/NDF : 445132.9/29

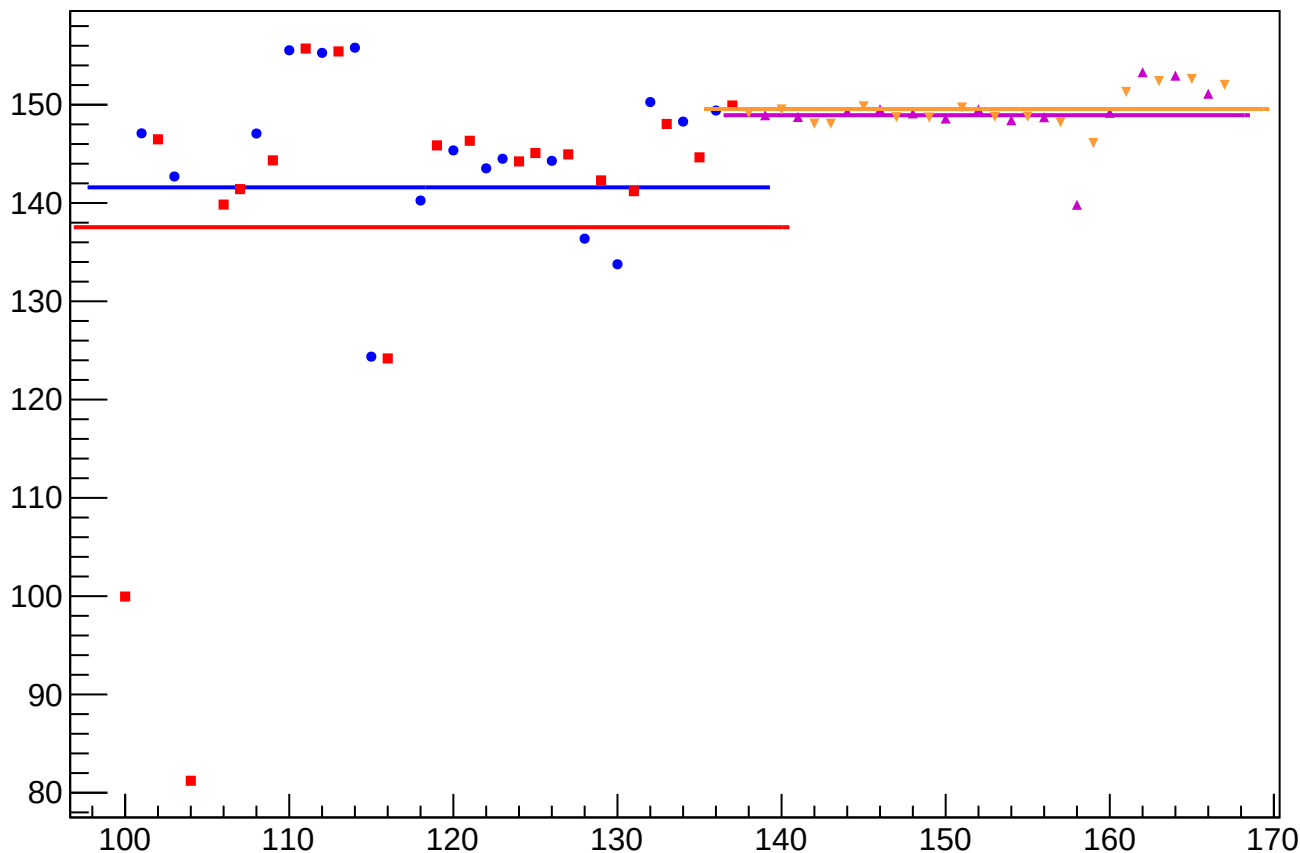
Right: 0.006+/-0.000 χ^2/NDF : 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF : 24359141.9/30

Out: 0.007+/-0.000 χ^2/NDF : 26196032.3/34

All: 0.007+/-0.000 χ^2/NDF : 50555195.2/65

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.565 $\pm$ 0.000 χ^2 /NDF: 119654760.5/15

Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18

Left In: 148.935 $\pm$ 0.000 χ^2 /NDF: 363051433.5/13

Left: 149.266 $\pm$ 0.000 χ^2 /NDF: 489999040.2/29

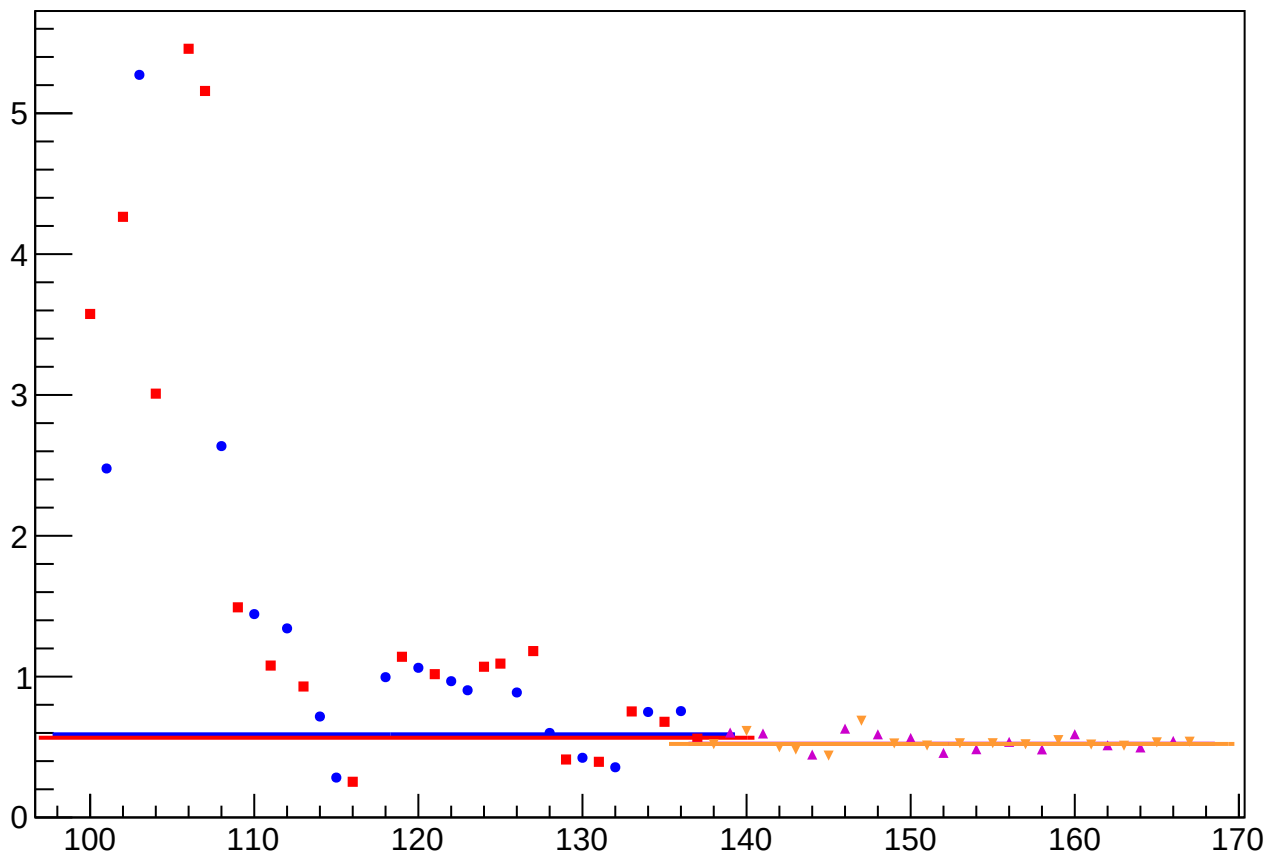
Right: 139.514 $\pm$ 0.000 χ^2 /NDF: 2381261600.7/35

In: 147.294 $\pm$ 0.000 χ^2 /NDF: 1765692533.7/30

Out: 146.970 $\pm$ 0.000 χ^2 /NDF: 2640604877.8/34

All: 147.125 $\pm$ 0.000 χ^2 /NDF: 4408761315.2

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: 0.524 $\pm$ 0.000 χ^2 /NDF:224195.6/13

Left: 0.523 $\pm$ 0.000 χ^2 /NDF: 395285.7/29

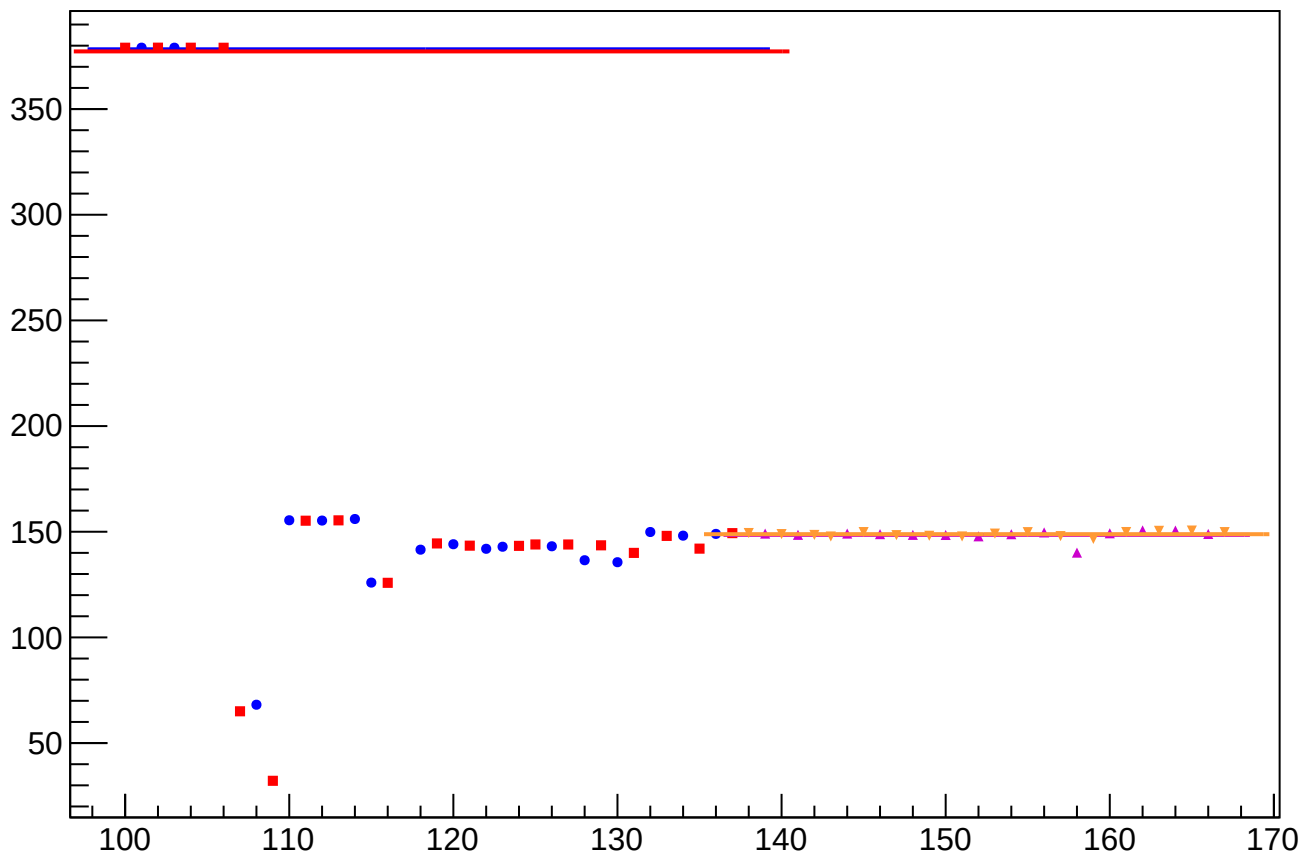
Right: 0.578 $\pm$ 0.000 χ^2 /NDF: 8181648.0/35

In: 0.539 $\pm$ 0.000 χ^2 /NDF:3785759.9/30

Out: 0.532 $\pm$ 0.000 χ^2 /NDF:4886881.1/34

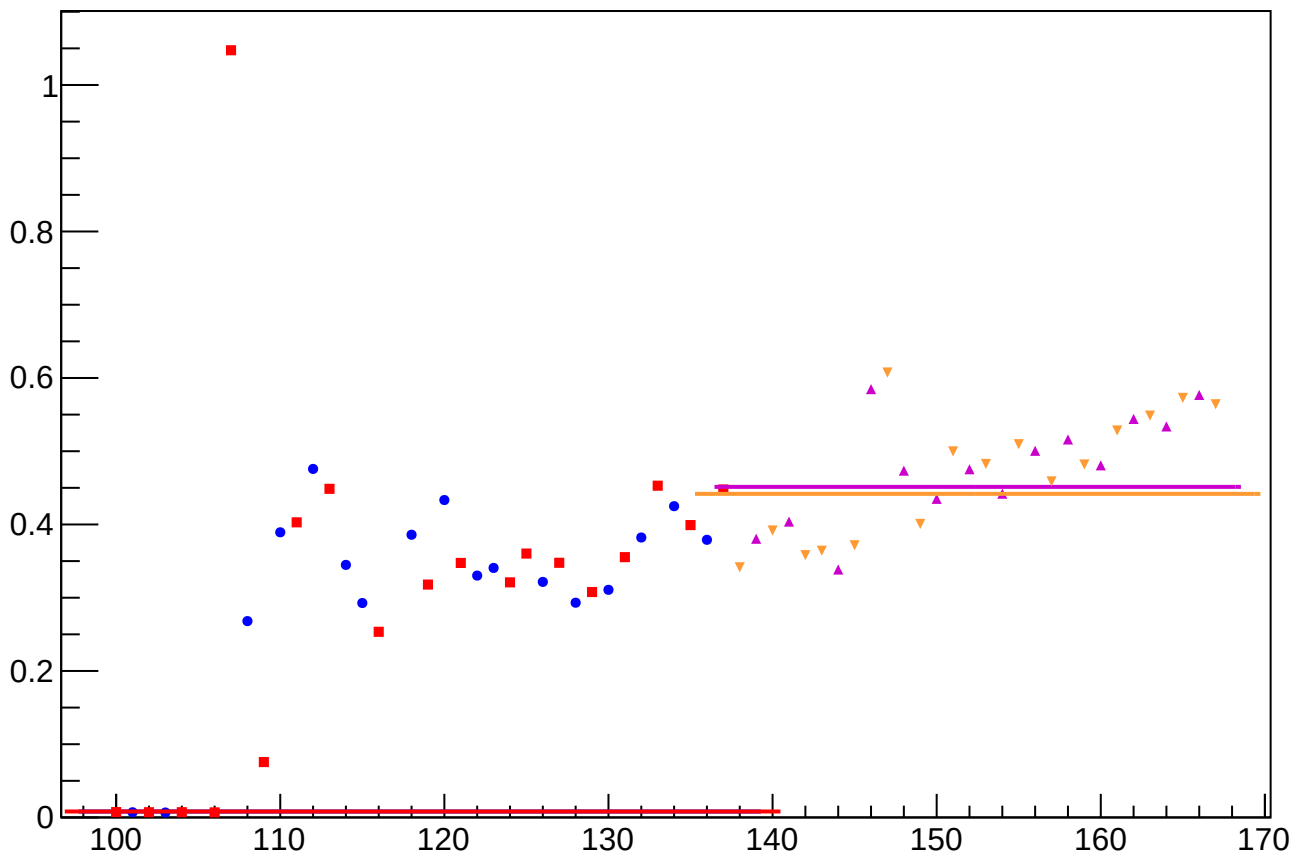
All: 0.535 $\pm$ 0.000 χ^2 /NDF: 8674940.2/65

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000	χ^2/NDF : 2508313421453.8/16	Left: 148.687+/-0.000	χ^2/NDF : 295945095.6/29
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: 377.414+/-0.000	χ^2/NDF : 5167095634152.1/30
Left In: 148.517+/-0.000	χ^2/NDF : 233247656.8/13	Out: 376.430+/-0.000	χ^2/NDF : 11259291155853.2
		All: 376.890+/-0.000	χ^2/NDF : 164332781634.0

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: 0.451 $\pm$ 0.000 χ^2 /NDF: 518680.1/13

Left: 0.446 $\pm$ 0.000 χ^2 /NDF: 1259730.0/29

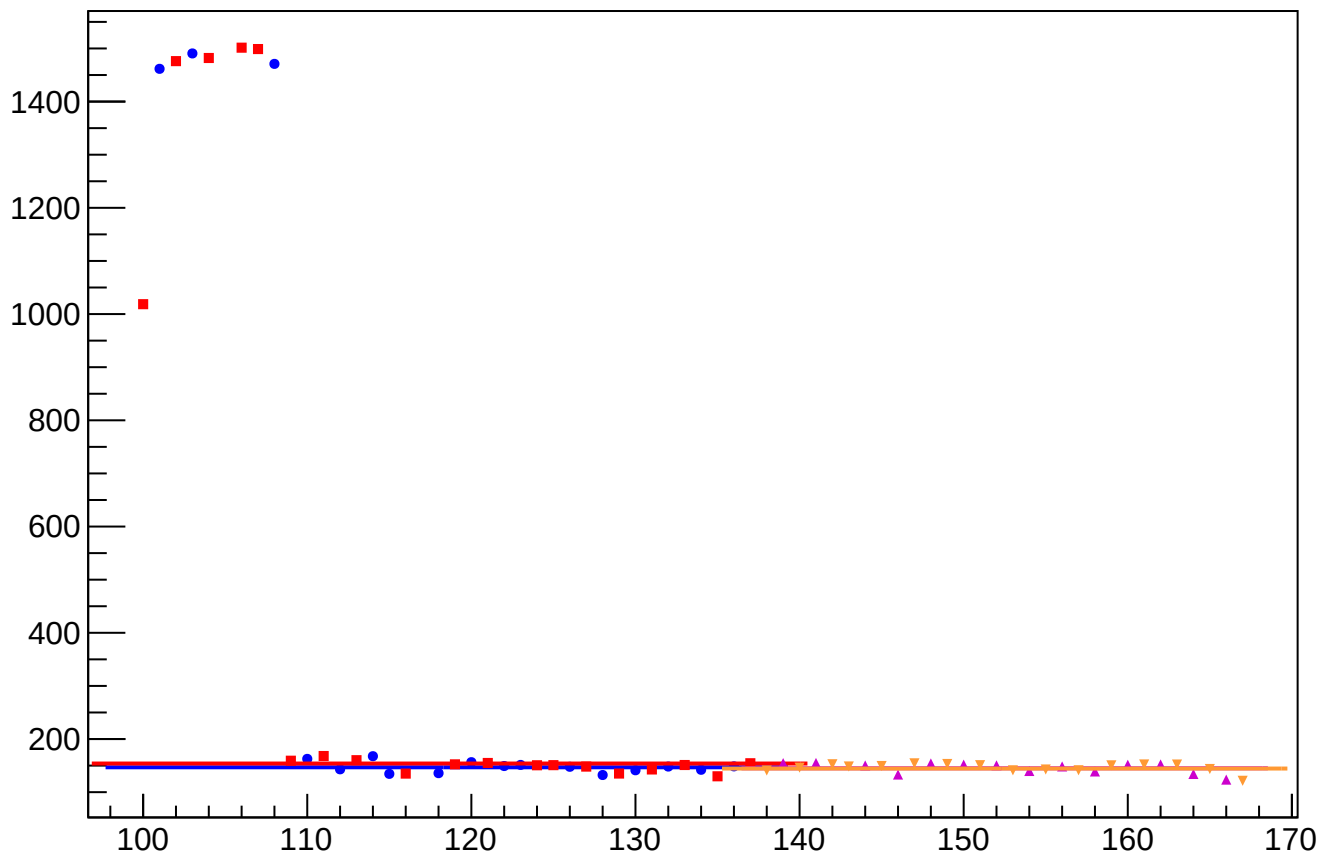
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 19329555.6/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF: 30109788.7/30

Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 31683455.2/34

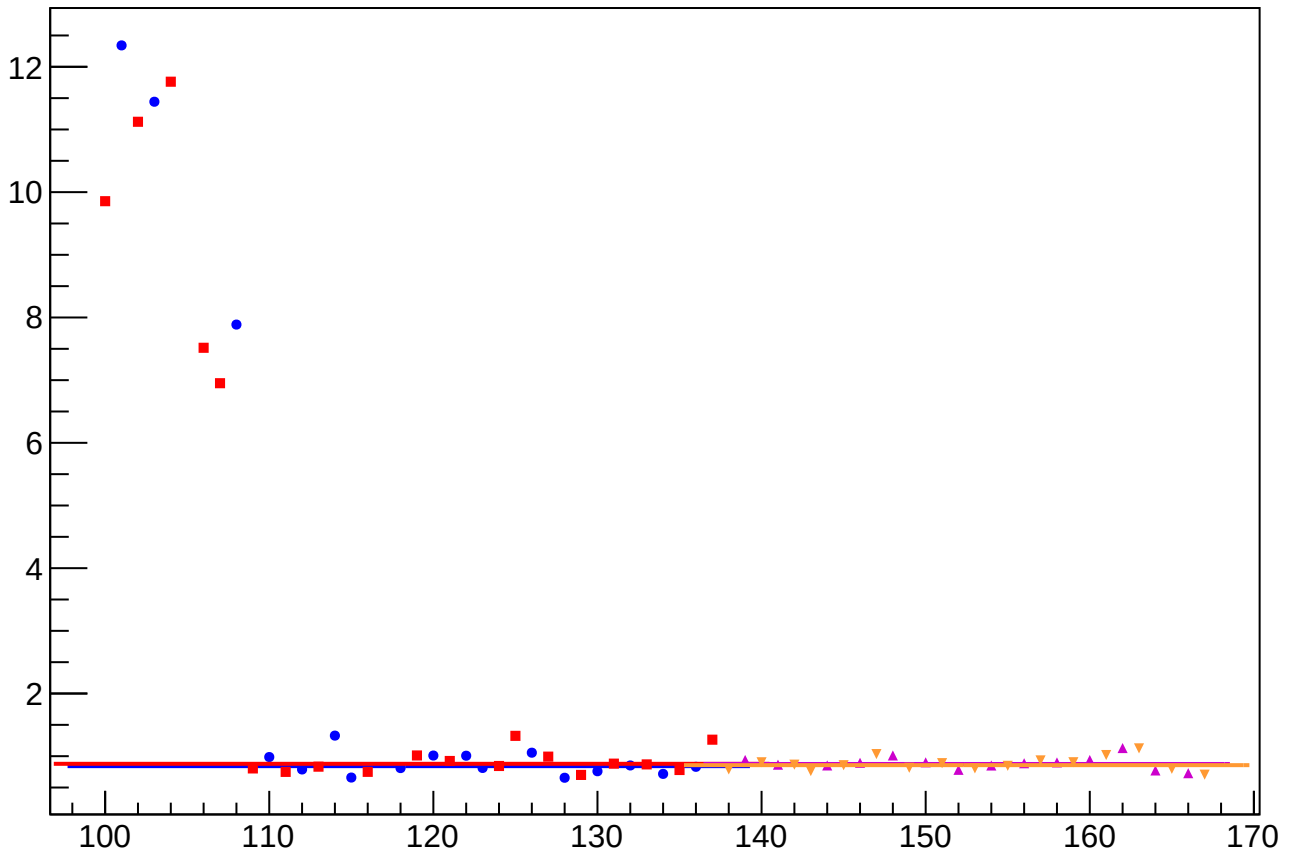
All: 0.010 $\pm$ 0.000 χ^2 /NDF: 61793252.1/65

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000	χ^2/NDF : 24360774977.7/16	Left: 144.676+/-0.000	χ^2/NDF : 2253862227.2/29
Left Out: 144.465+/-0.000	χ^2/NDF : 1165733374.9/15	Right: 150.348+/-0.000	χ^2/NDF : 58231390734.2/35
Right Out: 153.901+/-0.000	χ^2/NDF : 33737565970.8/18	In: 145.518+/-0.000	χ^2/NDF : 25460875198.8/30
Left In: 144.914+/-0.000	χ^2/NDF : 1086904493.4/13	Out: 147.201+/-0.000	χ^2/NDF : 35237618036.5/34
		All: 146.394+/-0.000	χ^2/NDF : 60723239605.

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: 0.876+/-0.000 χ^2/NDF :187485.8/13

Left: 0.866+/-0.000 χ^2/NDF : 465026.5/29

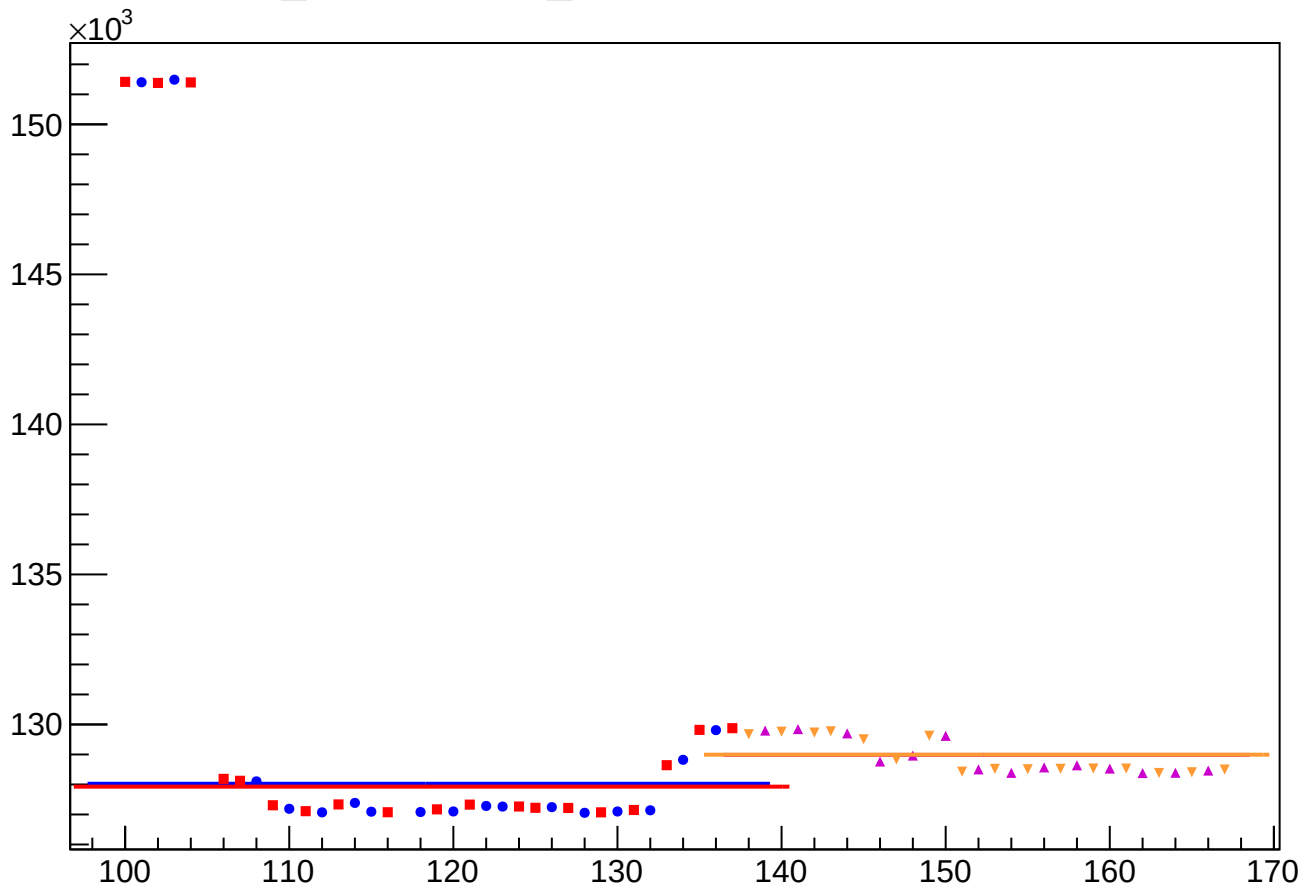
Right: 0.860+/-0.000 χ^2/NDF : 5484331.4/35

In: 0.865+/-0.000 χ^2/NDF :2858456.0/30

Out: 0.863+/-0.000 χ^2/NDF :3091394.6/34

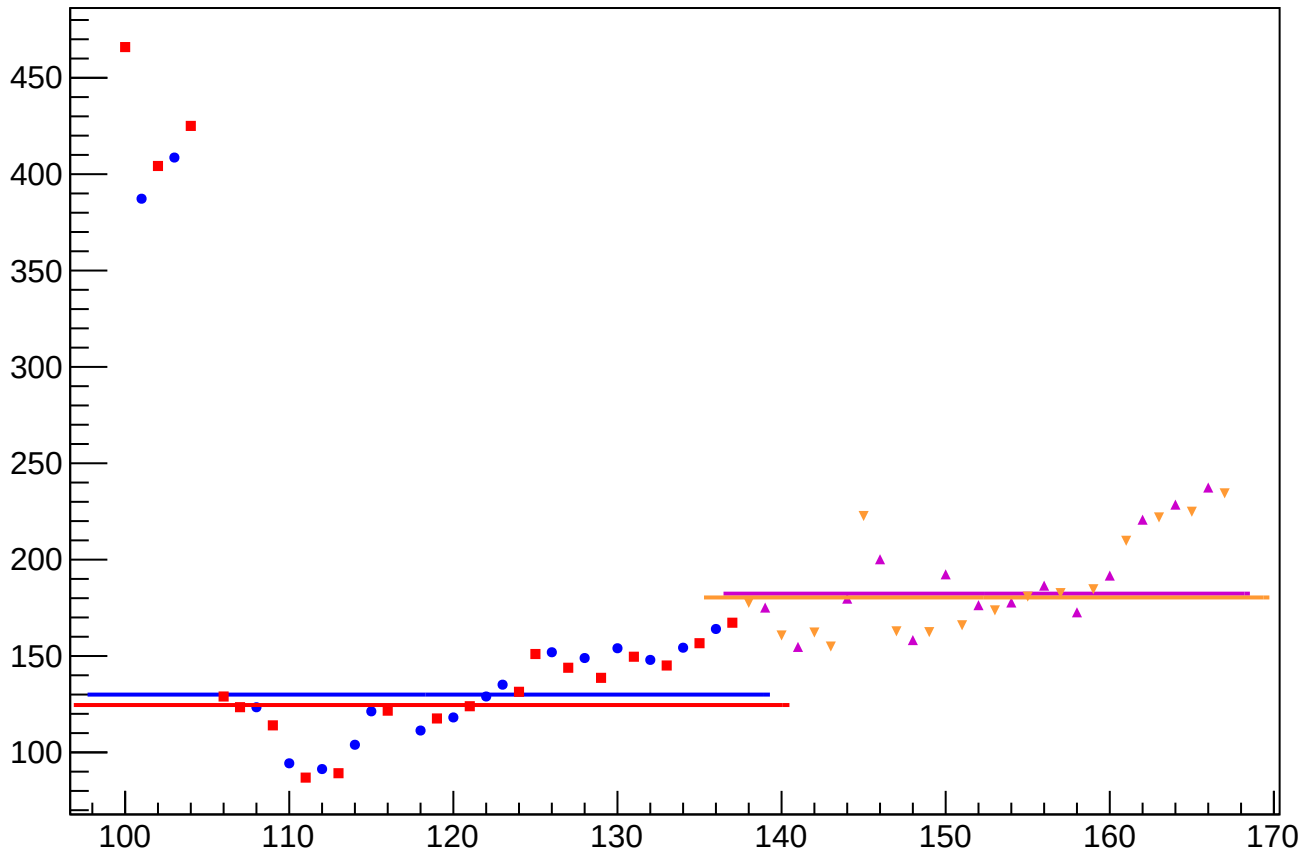
All: 0.864+/-0.000 χ^2/NDF : 5949889.6/65

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128992.511 $\pm$ 0.053 χ^2 /NDF: 118358394.1/15
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128985.222 $\pm$ 0.056 χ^2 /NDF: 104444164.4/13
 Left: 128989.066 $\pm$ 0.038 χ^2 /NDF: 222811507.6/29
 Right: 127971.691 $\pm$ 0.037 χ^2 /NDF: 8085261759.1/16
 In: 128492.018 $\pm$ 0.039 χ^2 /NDF: 4572457442.0/30
 Out: 128433.276 $\pm$ 0.037 χ^2 /NDF: 4097706546.6/30
 All: 128460.663 $\pm$ 0.027 χ^2 /NDF: 867137143.0/69

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: 182.354 ± 0.040 $\chi^2/\text{NDF}: 275804.4/13$

Left: 181.311 ± 0.027 $\chi^2/\text{NDF}: 669818.1/29$

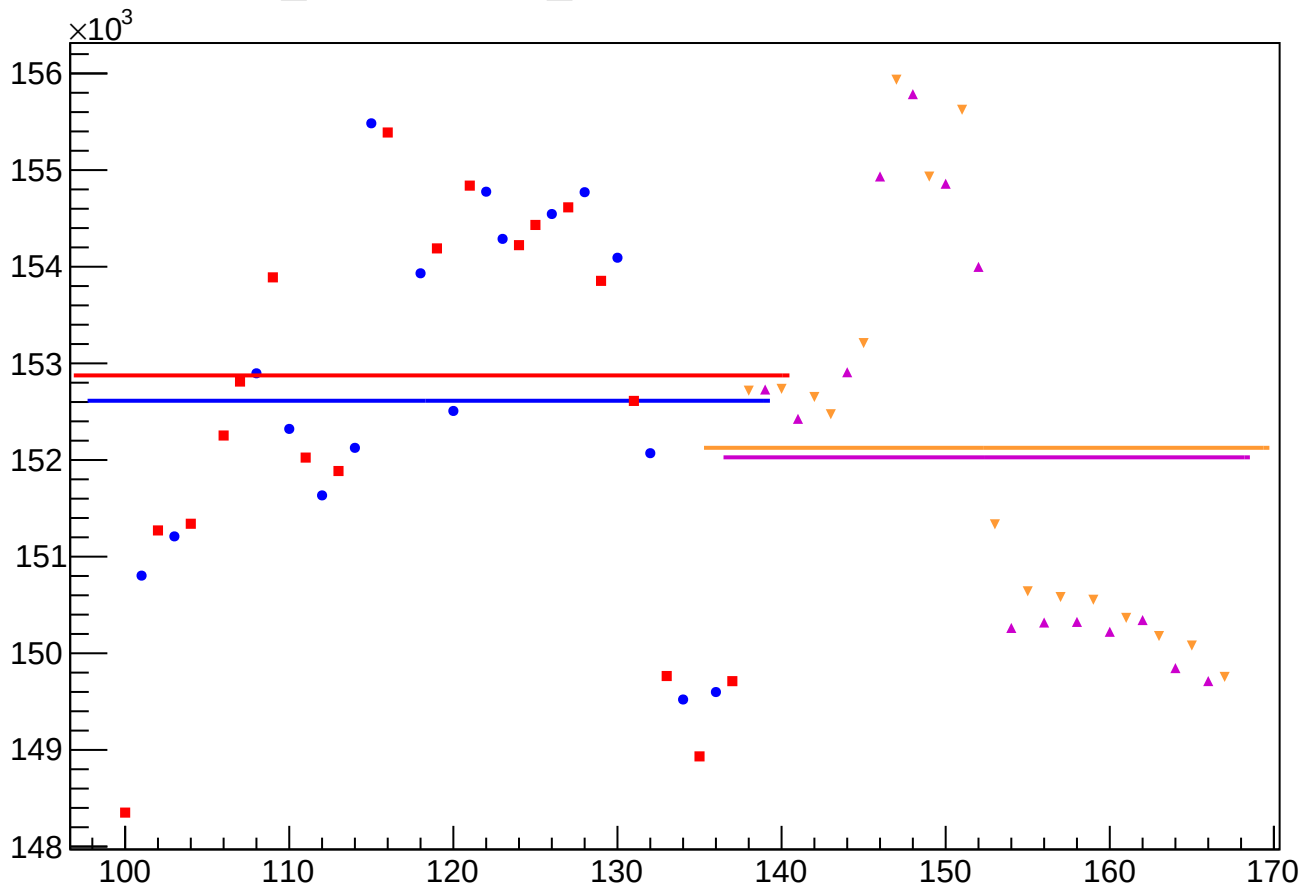
Right: 127.058 ± 0.026 $\chi^2/\text{NDF}: 3027426.7/35$

In: 155.494 ± 0.028 $\chi^2/\text{NDF}: 2659852.7/30$

Out: 151.072 ± 0.026 $\chi^2/\text{NDF}: 3089949.0/34$

All: 153.134 ± 0.019 $\chi^2/\text{NDF}: 5763487.8/65$

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: 152027.595 $\pm$ 0.061 χ^2 /NDF: 1003198797.8/13

Left: 152079.171 $\pm$ 0.042 χ^2 /NDF: 2005602365.2/20

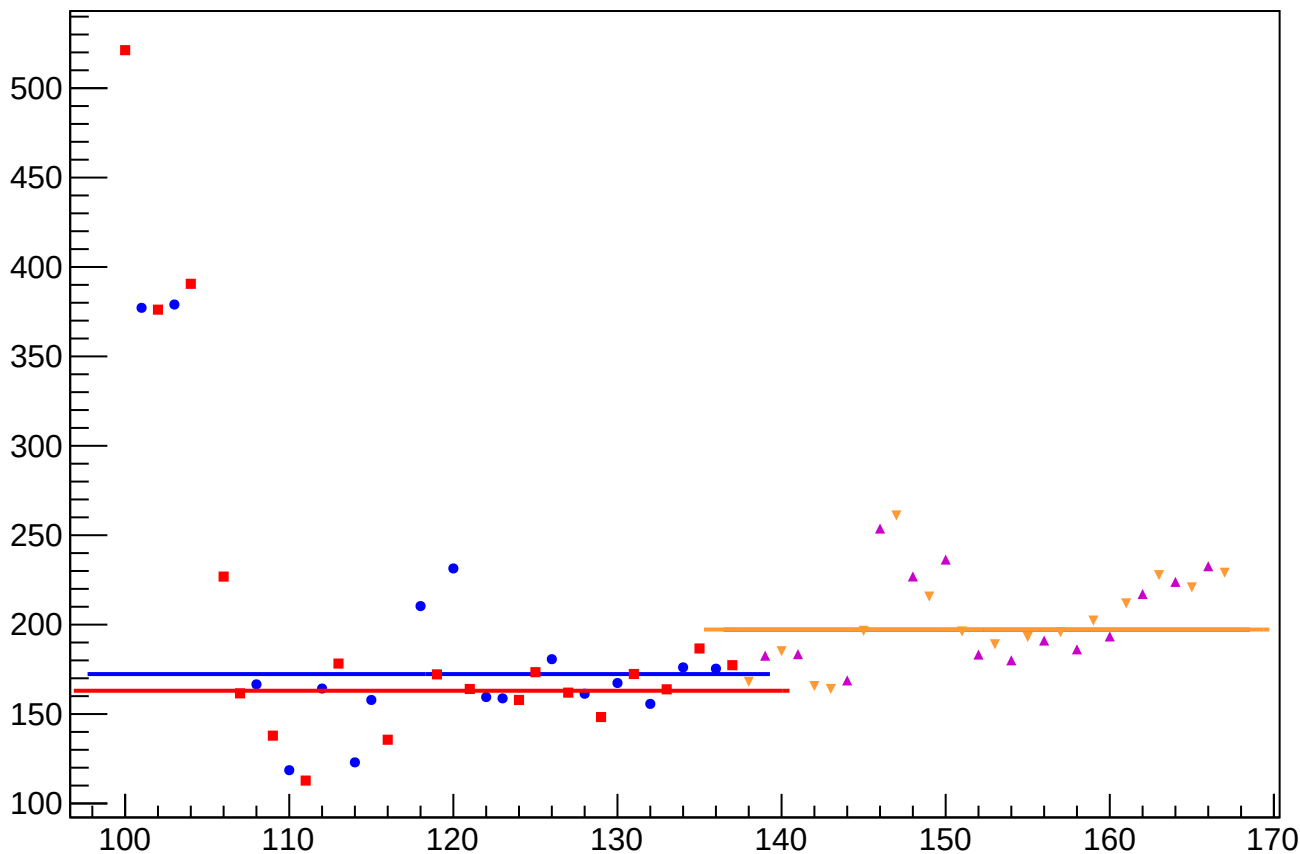
Right: 152755.689 $\pm$ 0.049 χ^2 /NDF: 1346872378.3/20

In: 152269.790 $\pm$ 0.046 χ^2 /NDF: 1665048532.7/30

Out: 152451.624 $\pm$ 0.044 χ^2 /NDF: 1789803918.8/30

All: 152366.454 $\pm$ 0.032 χ^2 /NDF: 346298912.0/60

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 197.248+/-0.041 χ^2/NDF : 321708.6/15

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

Left In: 197.189+/-0.043 χ^2/NDF : 305227.5/13

Left: 197.220+/-0.030 χ^2/NDF : 626937.1/29

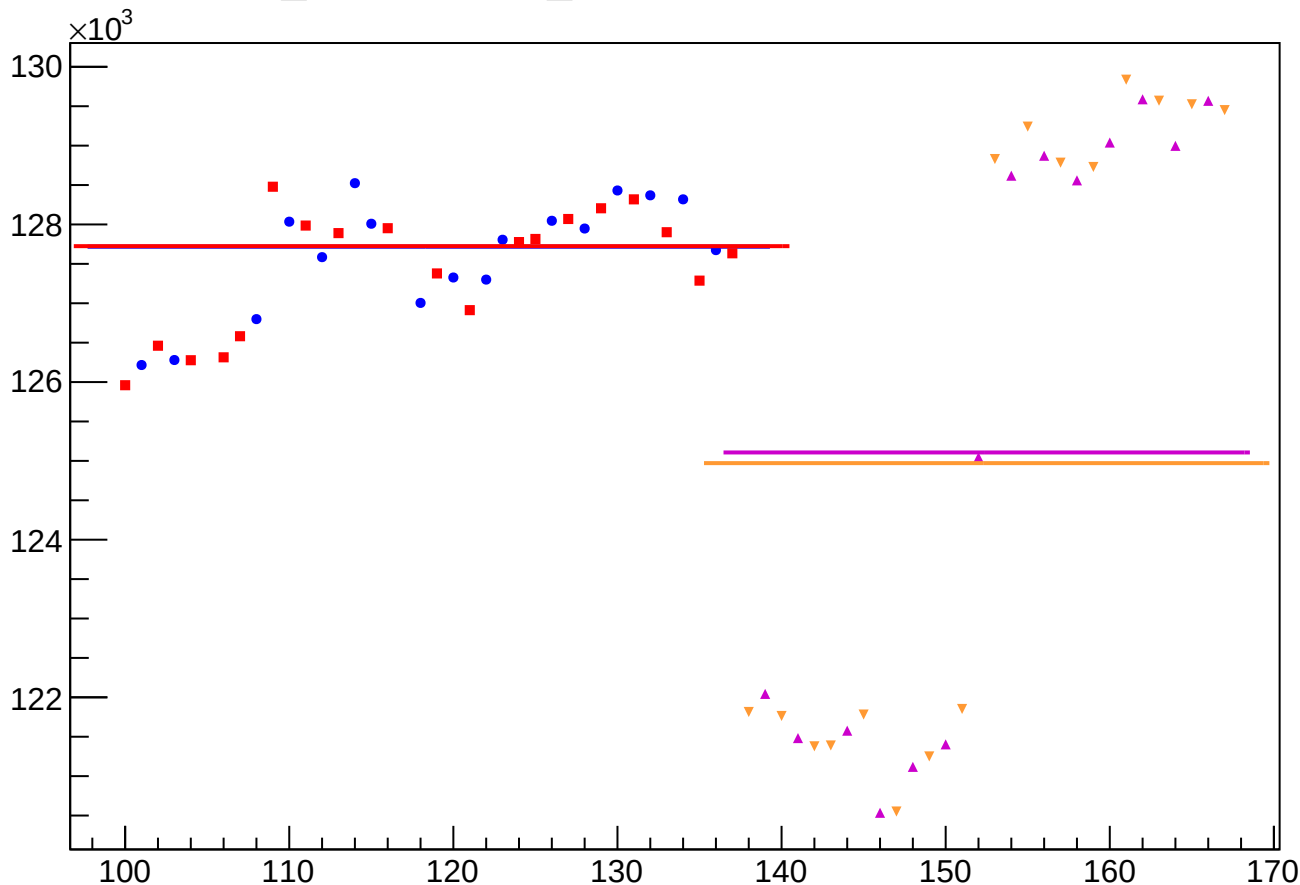
Right: 167.282+/-0.035 χ^2/NDF : 1972741.3/35

In: 186.915+/-0.033 χ^2/NDF : 1365670.2/30

Out: 182.385+/-0.031 χ^2/NDF : 1656730.1/34

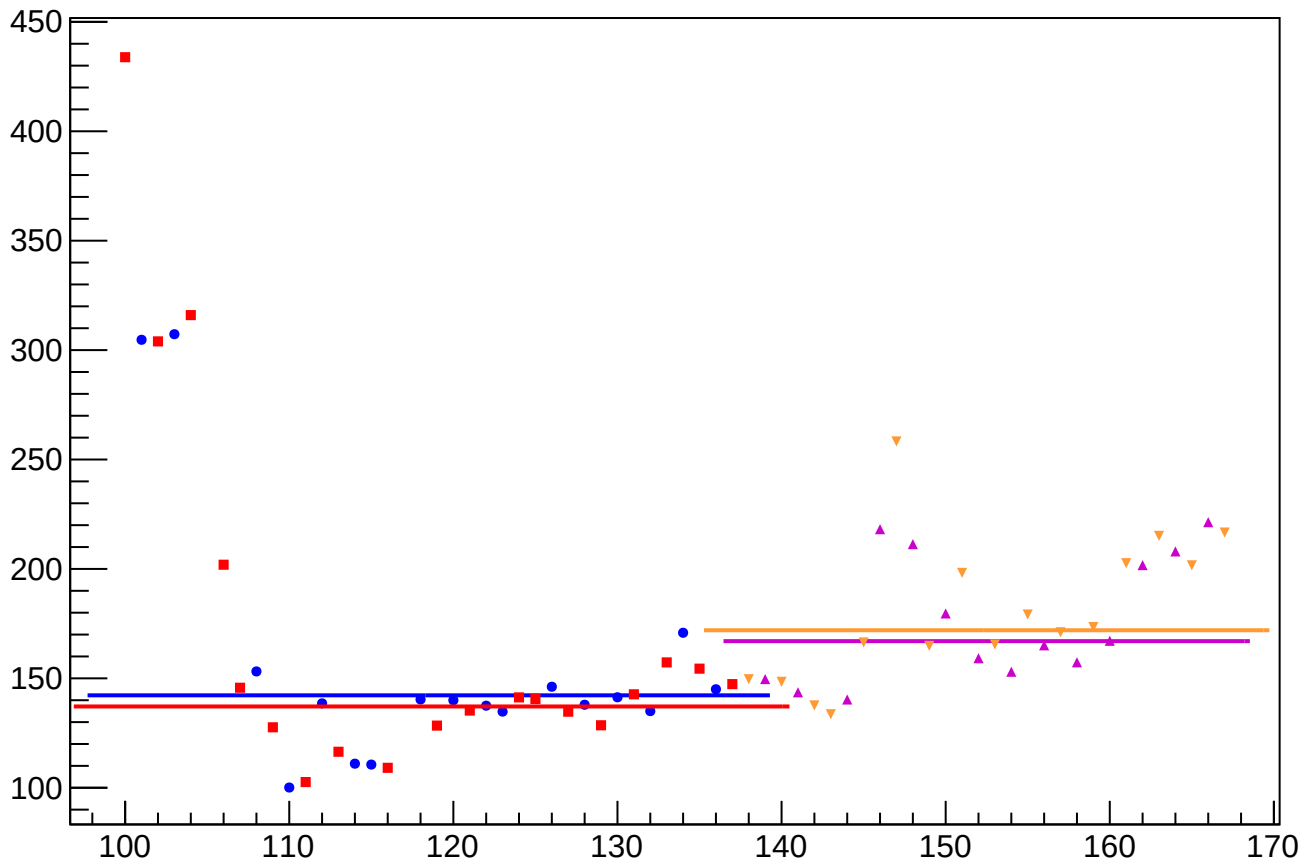
All: 184.507+/-0.022 χ^2/NDF : 3032500.9/65

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058	χ^2 /NDF: 95177660.2/16	Left: 125038.402 $\pm$ 0.036	χ^2 /NDF: 10321502730.0
Left Out: 124971.515 $\pm$ 0.051	χ^2 /NDF: 5540257460.5/15	Right: 127721.424 $\pm$ 0.040	χ^2 /NDF: 207735167.4/3
Right Out: 127724.519 $\pm$ 0.055	χ^2 /NDF: 112550604.4/18	In: 126259.567 $\pm$ 0.039	χ^2 /NDF: 5993811549.0/30
Left In: 125106.934 $\pm$ 0.052	χ^2 /NDF: 4777788818.2/13	Out: 126261.366 $\pm$ 0.037	χ^2 /NDF: 7007855151.5/3
		All: 126260.500 $\pm$ 0.027	χ^2 /NDF: 130016678

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: 167.002+/-0.037 χ^2/NDF : 465334.3/13

Left: 169.520+/-0.026 χ^2/NDF : 1100909.9/29

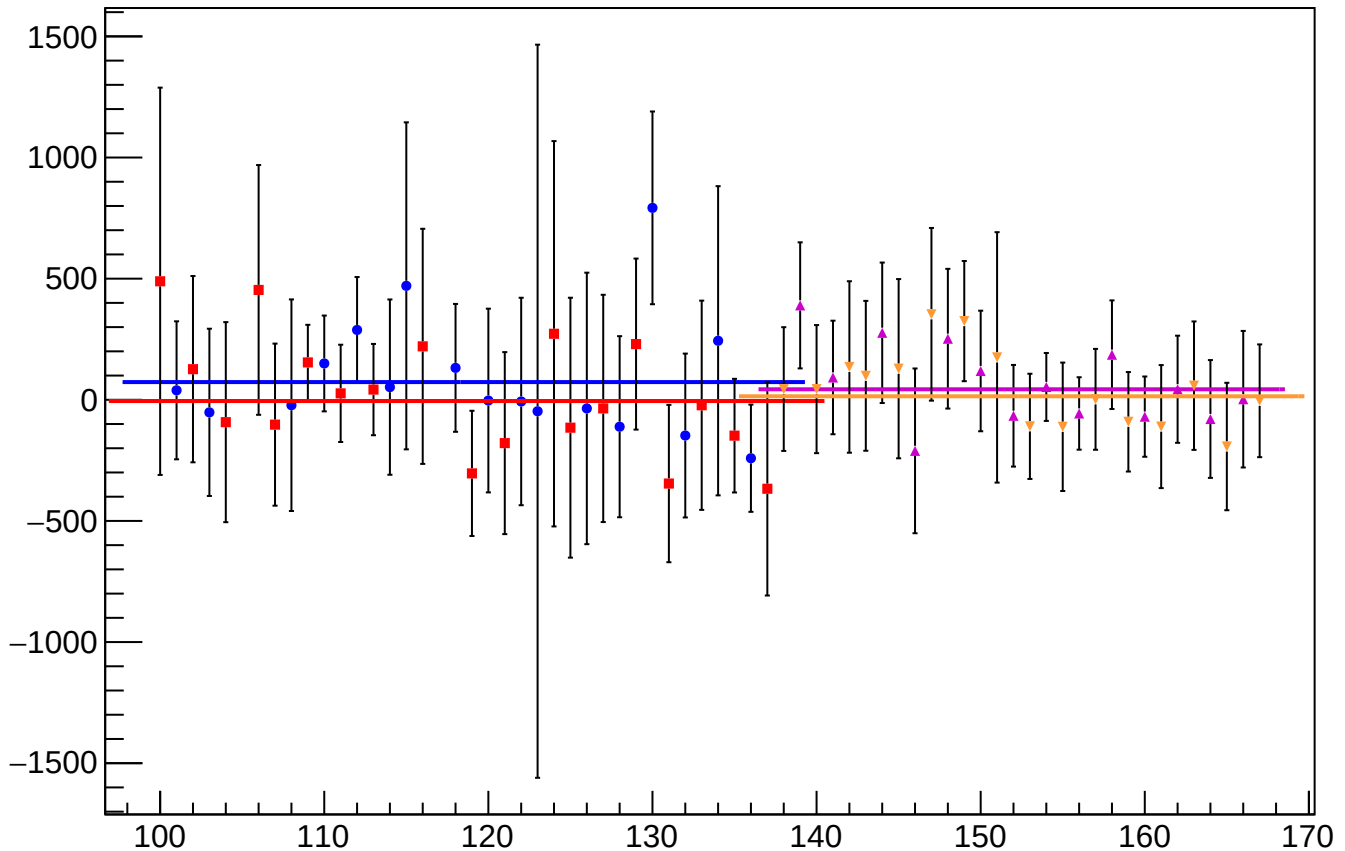
Right: 139.526+/-0.028 χ^2/NDF : 1802277.5/35

In: 156.071+/-0.027 χ^2/NDF : 1503374.6/30

Out: 155.661+/-0.026 χ^2/NDF : 2017687.2/34

All: 155.858+/-0.019 χ^2/NDF : 3521178.0/65

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: 43.347 $\pm$ 57.136 χ^2/NDF : 5.5/13

Left: 31.031 $\pm$ 43.254 χ^2/NDF : 10.2/29

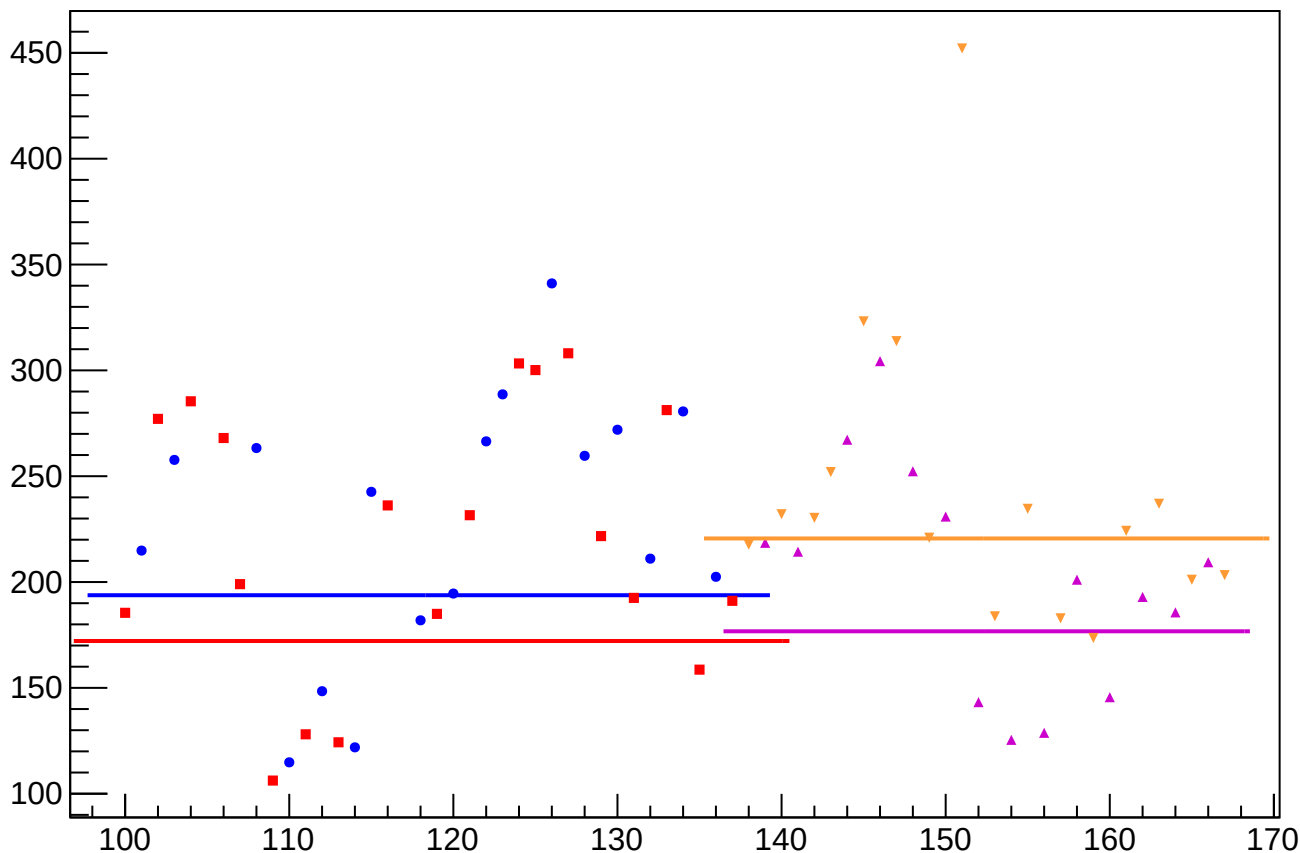
Right: 29.103 $\pm$ 52.608 χ^2/NDF : 15.5/35

In: 53.466 $\pm$ 46.417 χ^2/NDF : 13.5/30

Out: 5.295 $\pm$ 48.130 χ^2/NDF : 11.7/34

All: 30.253 $\pm$ 33.411 χ^2/NDF : 25.7/65

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 ± 0.056 $\chi^2/\text{NDF}: 1017081.7/16$

Left Out: 220.592 ± 0.047 $\chi^2/\text{NDF}: 981651.5/15$

Right Out: 172.142 ± 0.050 $\chi^2/\text{NDF}: 1580035.1/18$

Left In: 176.729 ± 0.040 $\chi^2/\text{NDF}: 1471163.1/13$

Left: 195.454 ± 0.031 $\chi^2/\text{NDF}: 2955996.1/29$

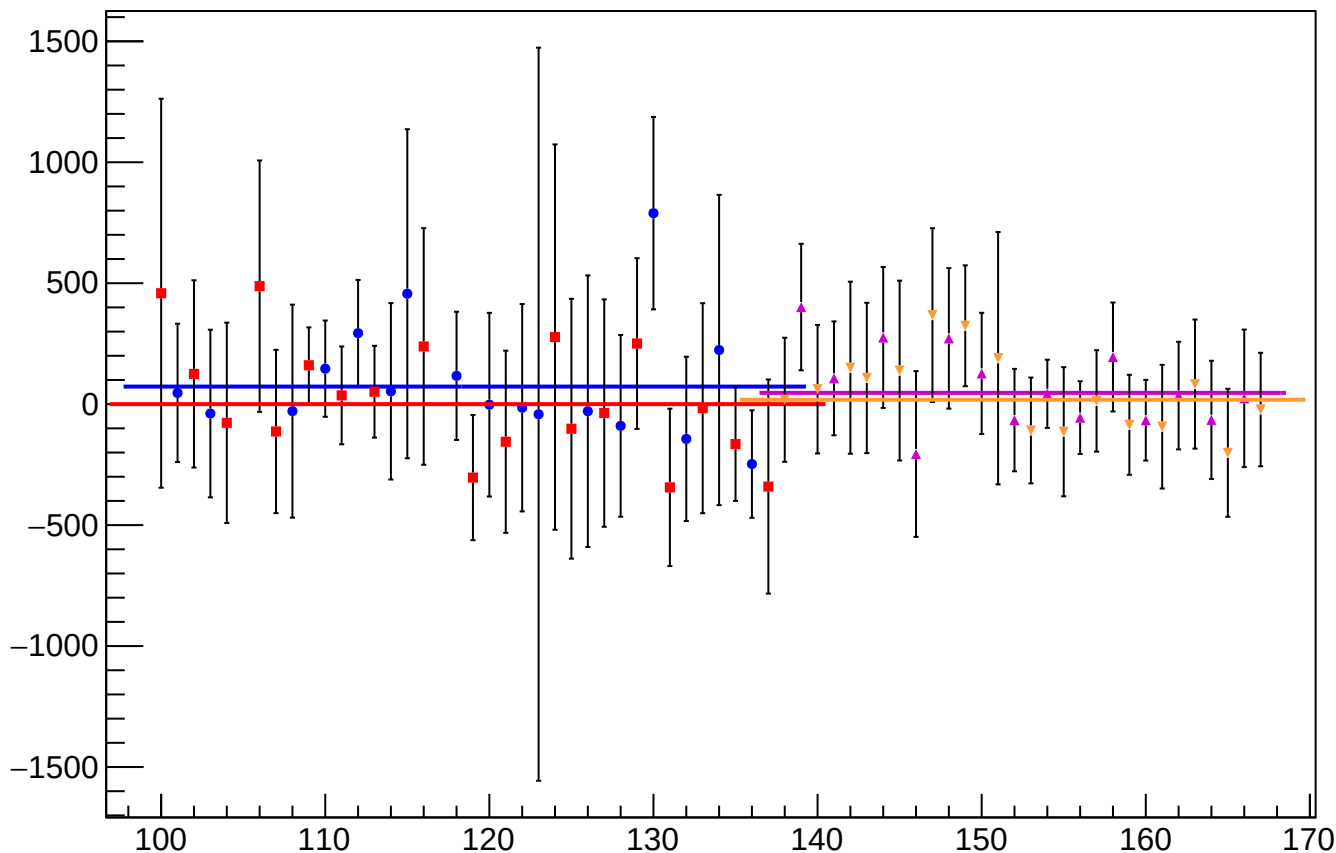
Right: 181.589 ± 0.037 $\chi^2/\text{NDF}: 2680292.0/35$

In: 182.524 ± 0.033 $\chi^2/\text{NDF}: 2548754.0/30$

Out: 197.751 ± 0.034 $\chi^2/\text{NDF}: 3066696.3/34$

All: 189.862 ± 0.024 $\chi^2/\text{NDF}: 5719165.6/65$

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: 46.751+/-57.487 χ^2/NDF : 5.6/13

Left: 34.627+/-43.527 χ^2/NDF : 10.5/29

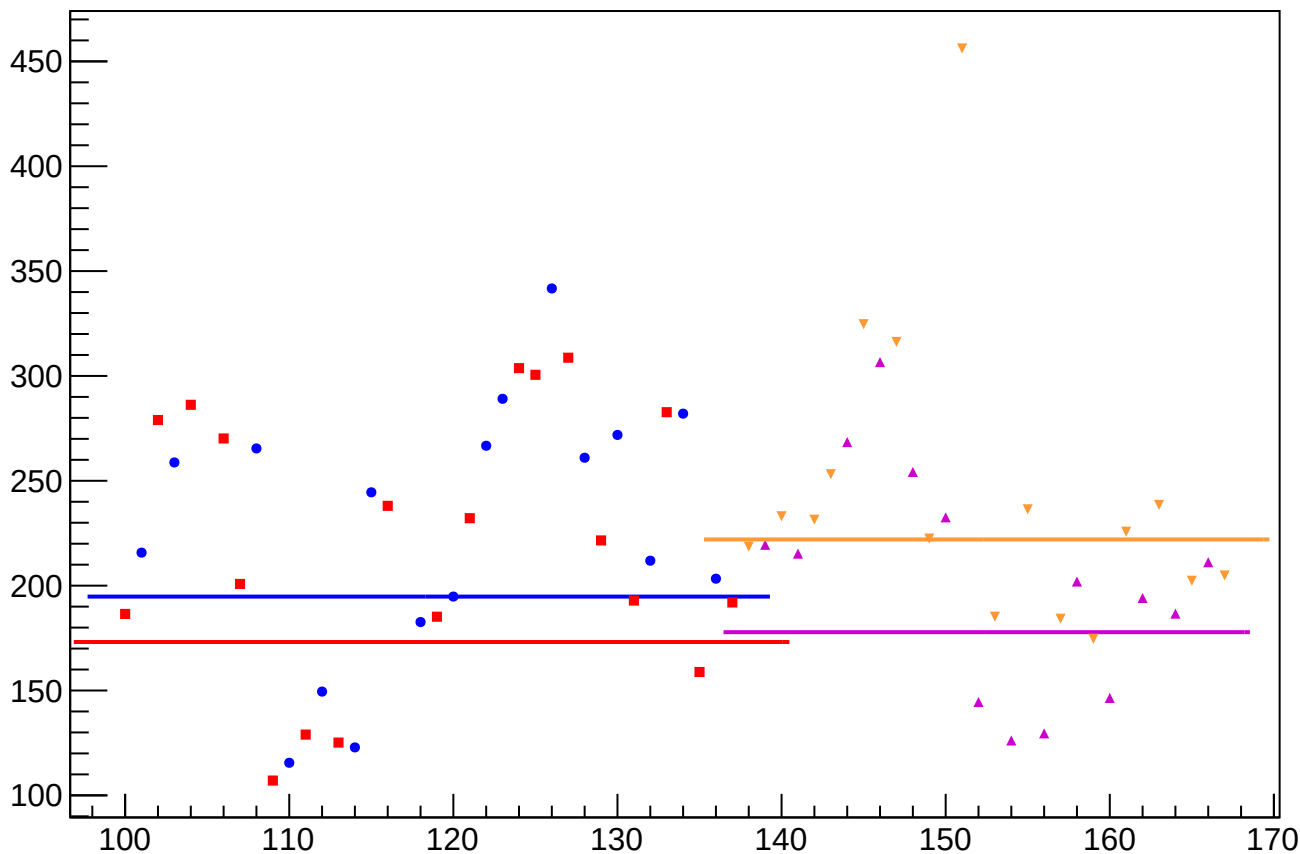
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 55.580+/-46.682 χ^2/NDF : 13.5/30

Out: 9.766+/-48.416 χ^2/NDF : 12.0/34

All: 33.508+/-33.605 χ^2/NDF : 25.9/65

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: 177.812 $\pm$ 0.041 χ^2 /NDF:1469801.0/13

Left: 196.679 $\pm$ 0.031 χ^2 /NDF: 2955473.3/29

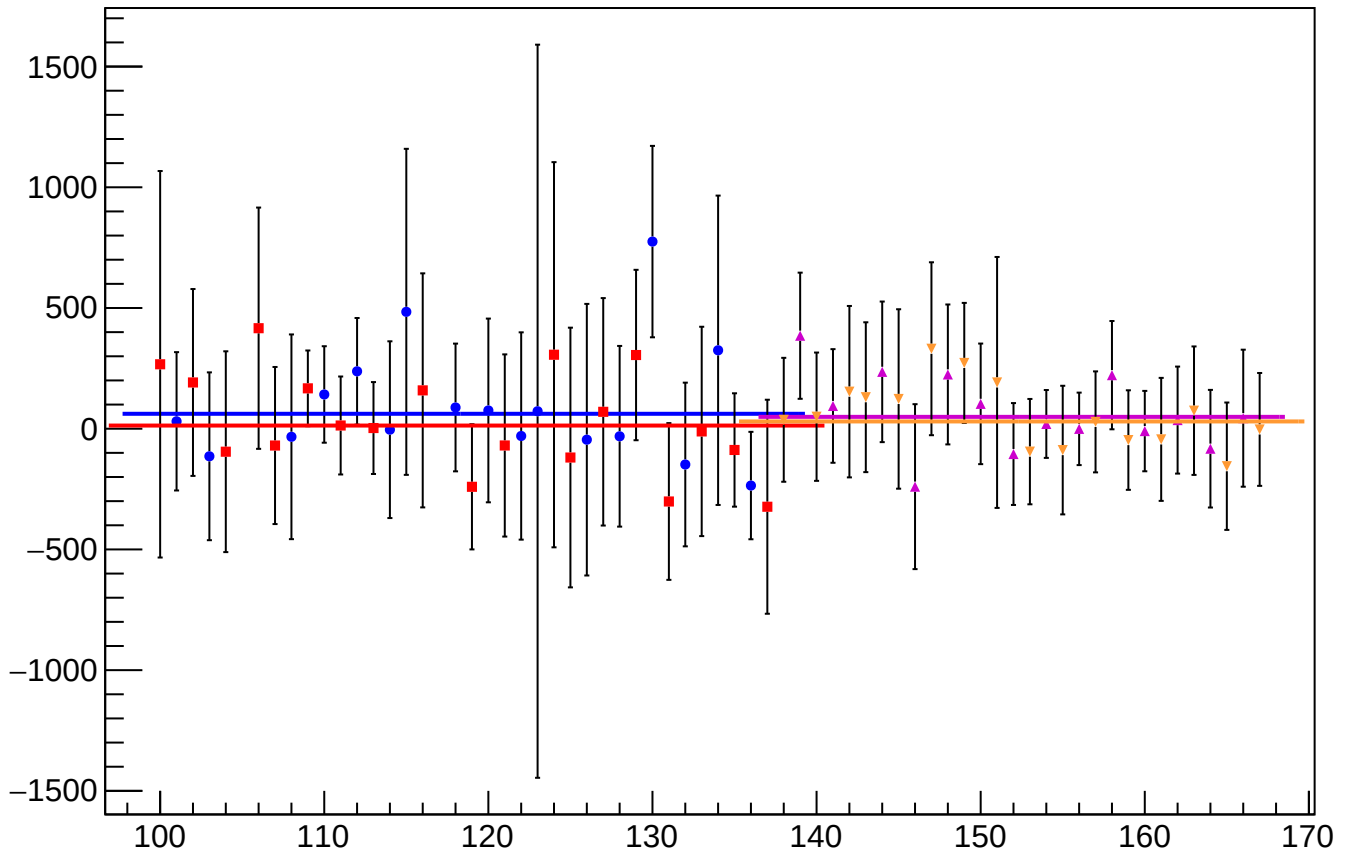
Right: 182.592 $\pm$ 0.037 χ^2 /NDF: 2658346.9/35

In: 183.592 $\pm$ 0.033 χ^2 /NDF:2537451.7/30

Out: 198.945 $\pm$ 0.034 χ^2 /NDF:3056756.8/34

All: 190.989 $\pm$ 0.024 χ^2 /NDF: 5698439.6/65

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: 49.145 $\pm$ 57.346 χ^2/NDF : 4.9/13

Left: 41.028 $\pm$ 43.423 χ^2/NDF : 8.3/29

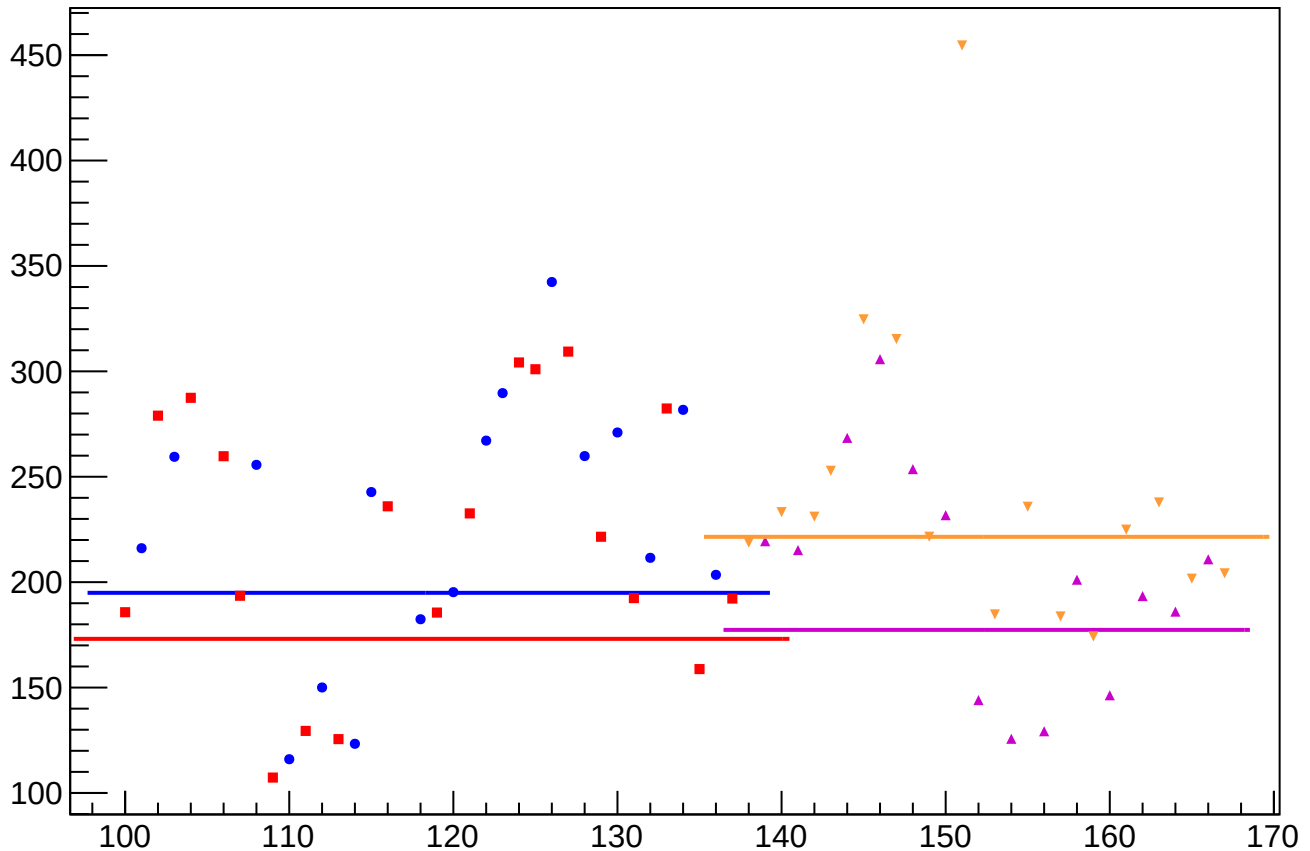
Right: 34.362 $\pm$ 52.842 χ^2/NDF : 13.2/35

In: 53.446 $\pm$ 46.606 χ^2/NDF : 12.2/30

Out: 22.096 $\pm$ 48.332 χ^2/NDF : 9.1/34

All: 38.341 $\pm$ 33.549 χ^2/NDF : 21.6/65

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: 177.364 $\pm$ 0.041 χ^2 /NDF: 1473410.1/13

Left: 196.196 $\pm$ 0.031 χ^2 /NDF: 2961785.1/29

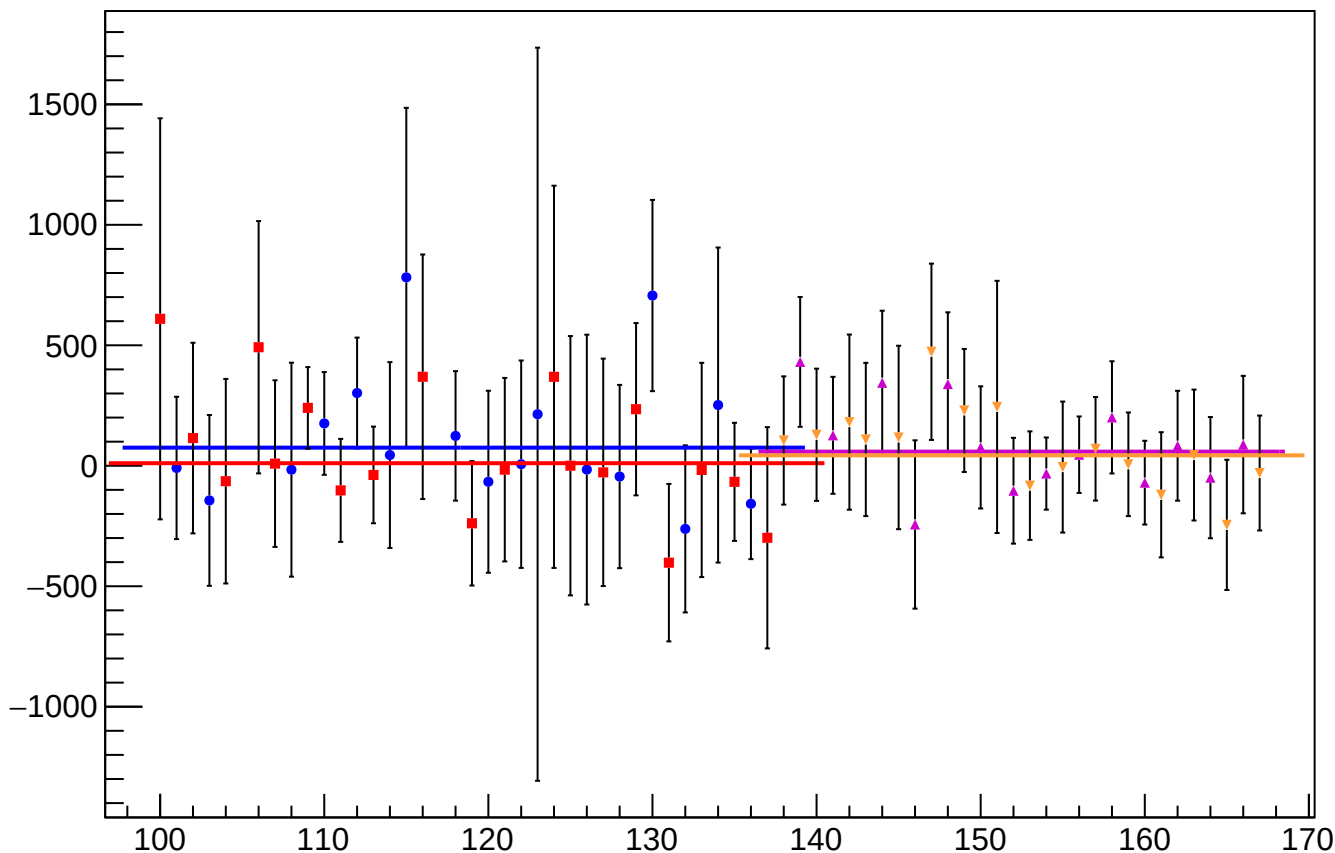
Right: 182.637 $\pm$ 0.037 χ^2 /NDF: 2615306.2/35

In: 183.331 $\pm$ 0.033 χ^2 /NDF: 2523814.6/30

Out: 198.689 $\pm$ 0.034 χ^2 /NDF: 3027244.0/34

All: 190.731 $\pm$ 0.024 χ^2 /NDF: 5655704.3/65

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: 58.607 $\pm$ 59.665 χ^2 /NDF:6.6/13

Left: 51.987 $\pm$ 44.934 χ^2 /NDF: 11.1/29

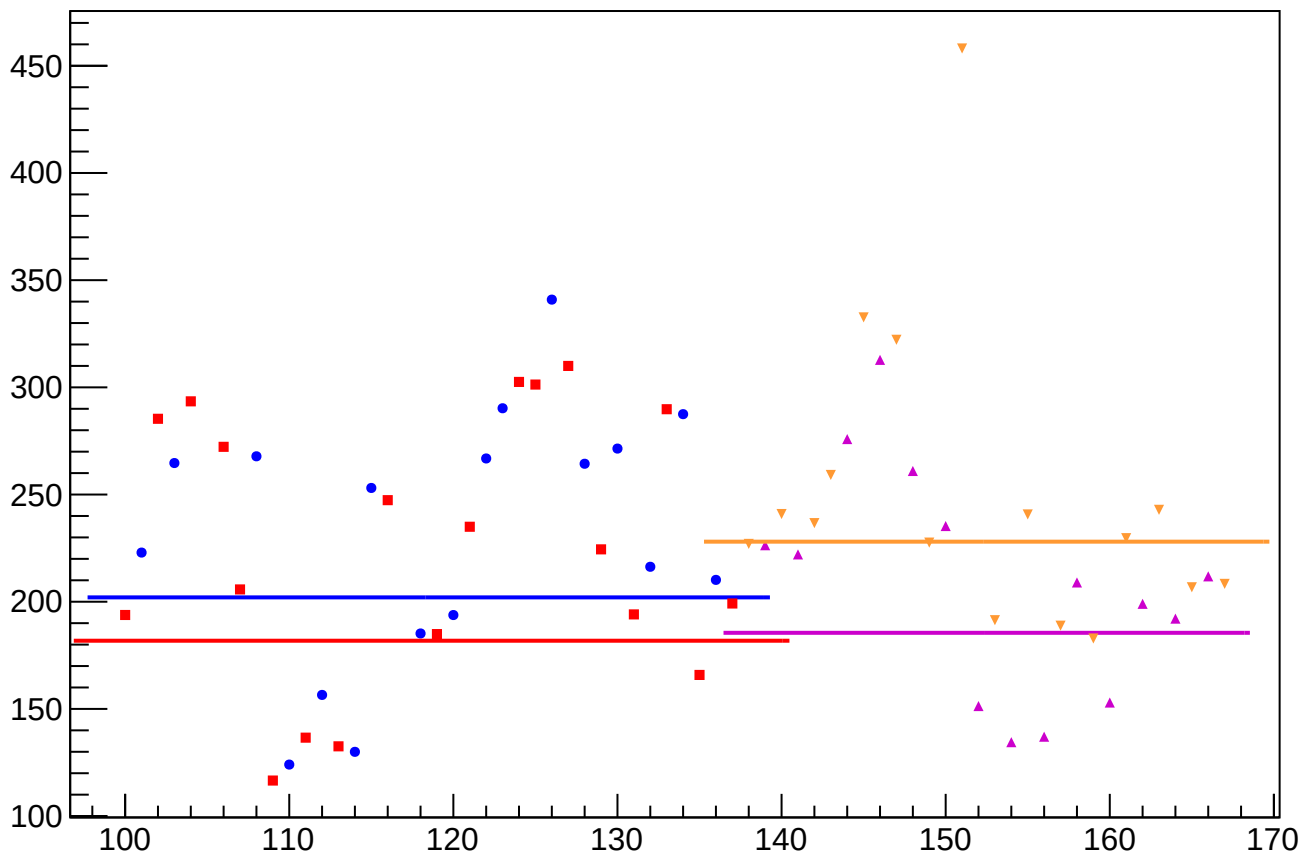
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 64.307 $\pm$ 48.347 χ^2 /NDF:14.2/30

Out: 28.152 $\pm$ 49.981 χ^2 /NDF:12.4/34

All: 46.830 $\pm$ 34.750 χ^2 /NDF: 26.9/65

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 228.021+/-0.048 χ^2/NDF : 938961.1/15

Right Out: 181.811+/-0.052 χ^2/NDF : 1377537.2/18

Left In: 185.500+/-0.042 χ^2/NDF : 1328423.5/13

Left: 203.905+/-0.032 χ^2/NDF : 2707049.6/29

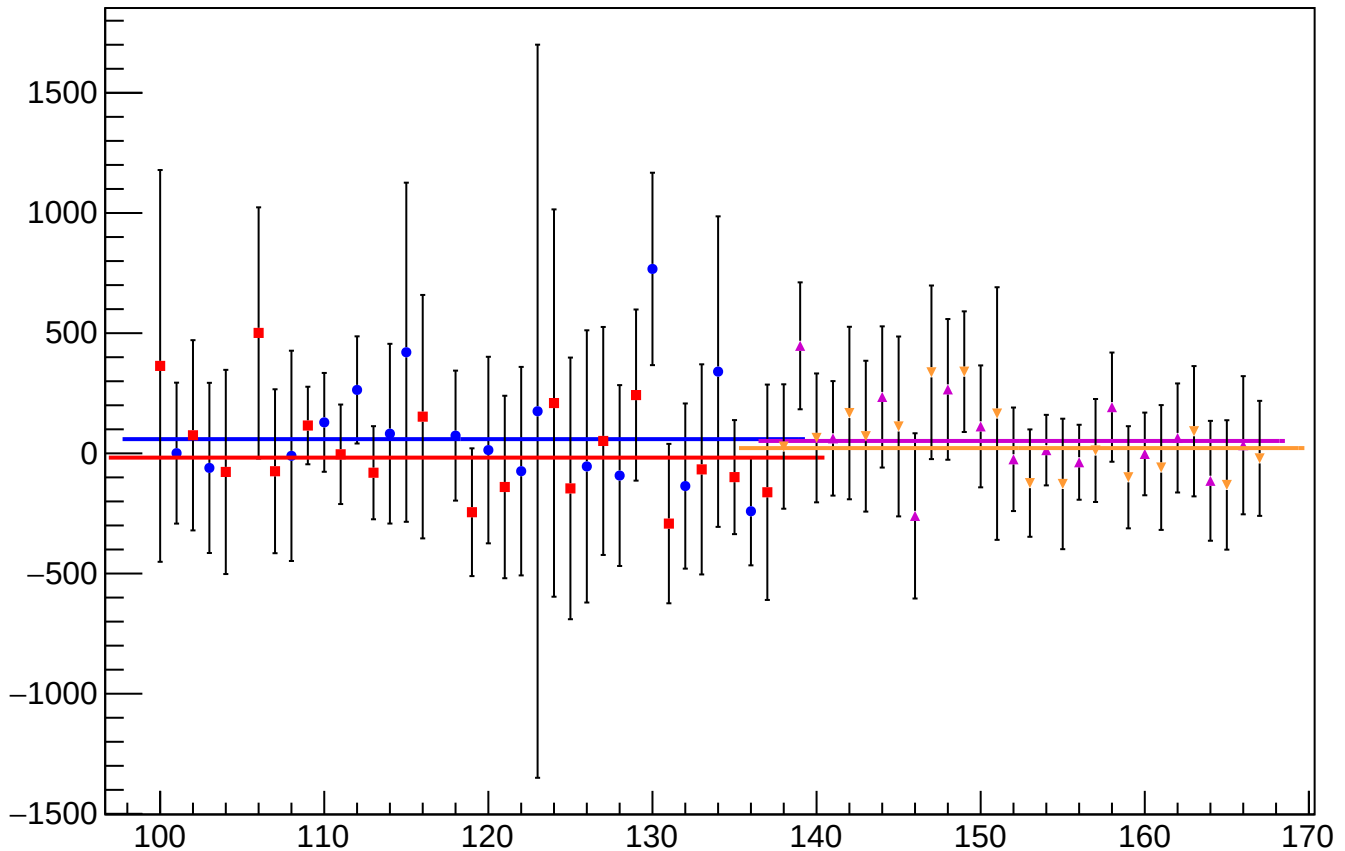
Right: 190.735+/-0.039 χ^2/NDF : 2326235.8/35

In: 191.176+/-0.034 χ^2/NDF : 2262740.0/30

Out: 206.558+/-0.035 χ^2/NDF : 2741735.0/34

All: 198.612+/-0.025 χ^2/NDF : 5102338.1/65

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: 51.604 $\pm$ 58.807 χ^2 /NDF:5.5/13

Left: 38.832 $\pm$ 44.391 χ^2 /NDF: 9.9/29

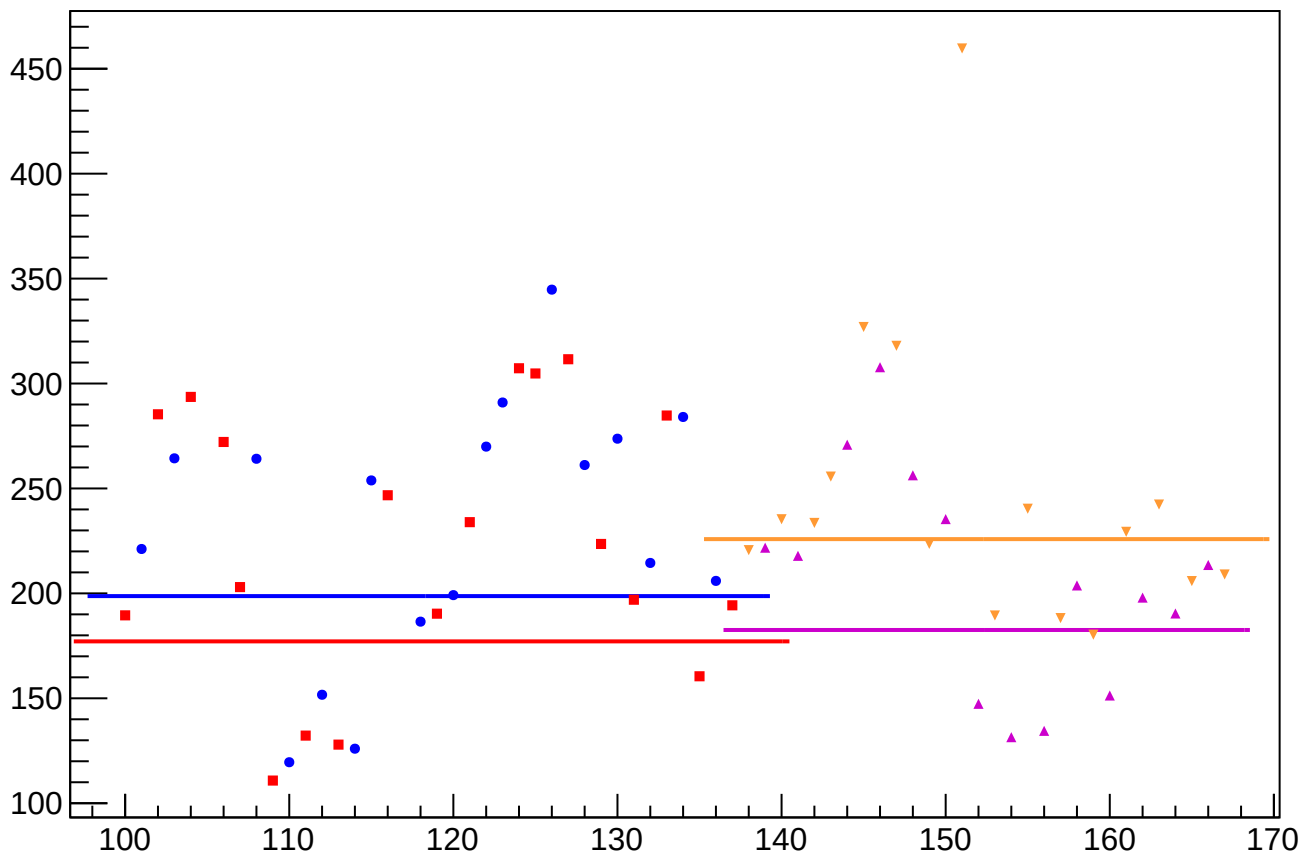
Right: 15.968 $\pm$ 53.893 χ^2 /NDF: 12.3/35

In: 54.200 $\pm$ 47.672 χ^2 /NDF:12.6/30

Out: 3.292 $\pm$ 49.281 χ^2 /NDF:9.1/34

All: 29.590 $\pm$ 34.264 χ^2 /NDF: 22.3/65

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 225.854 $\pm$ 0.048 χ^2 /NDF: 935405.8/15

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

Left In: 182.557 $\pm$ 0.042 χ^2 /NDF: 1351304.8/13

Left: 201.184 $\pm$ 0.031 χ^2 /NDF: 2753109.4/29

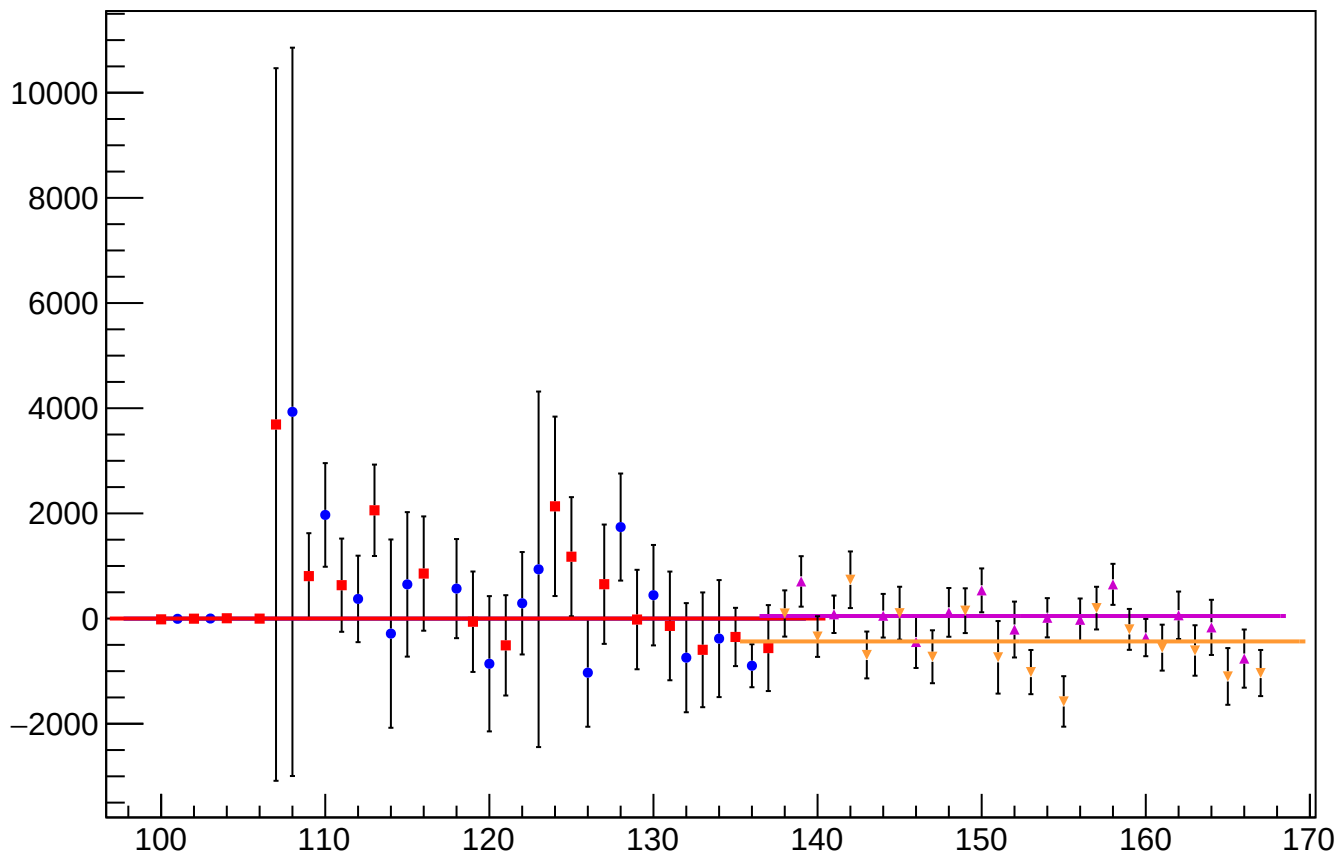
Right: 186.580 $\pm$ 0.038 χ^2 /NDF: 2567217.8/35

In: 188.093 $\pm$ 0.034 χ^2 /NDF: 2366390.0/30

Out: 202.962 $\pm$ 0.035 χ^2 /NDF: 2947382.7/34

All: 195.281 $\pm$ 0.024 χ^2 /NDF: 5407824.0/65

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: 48.667 ± 114.923 χ^2/NDF : 10.6/13

Left: -194.672 ± 80.979 χ^2/NDF : 43.6/29

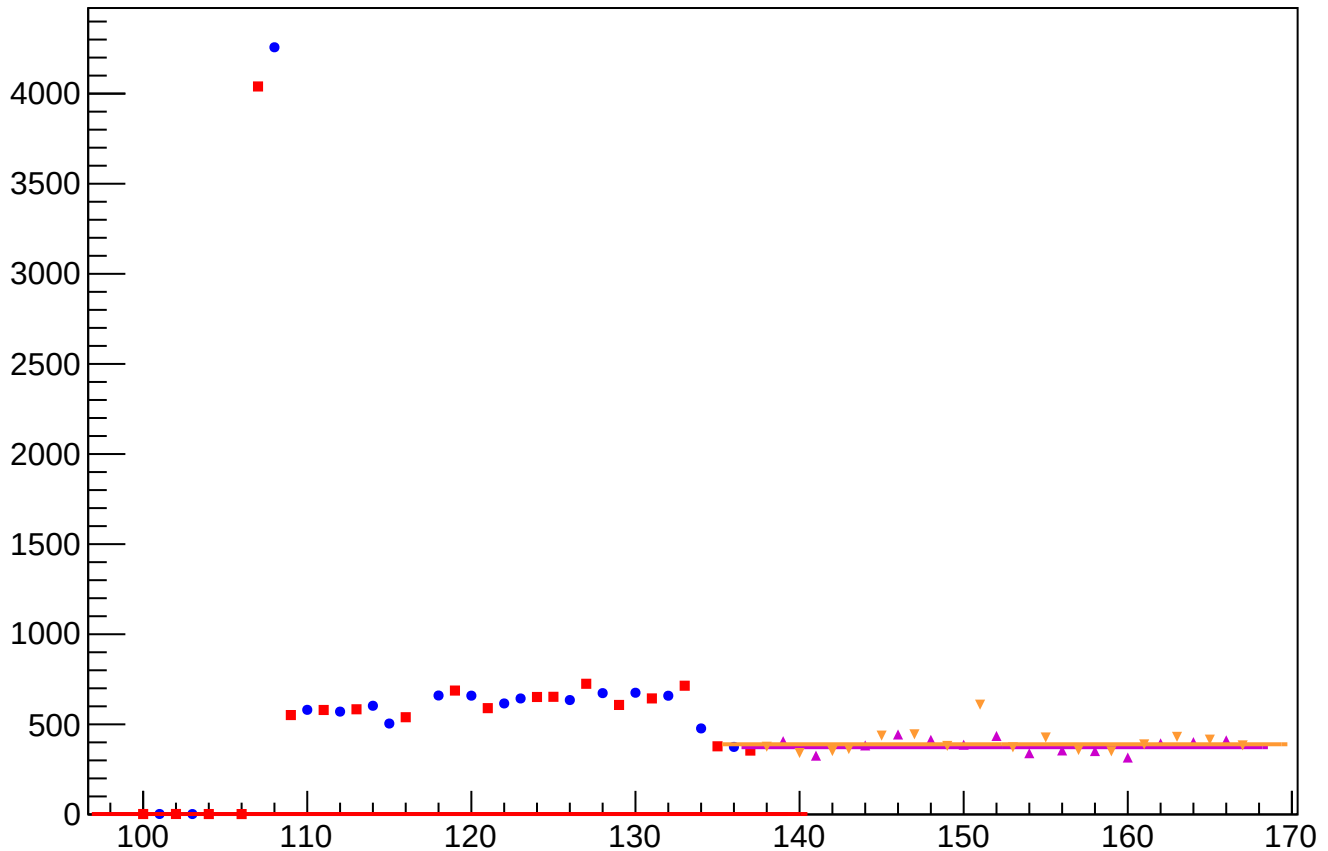
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.510 ± 2.251 χ^2/NDF : 27.4/30

Out: 0.583 ± 2.111 χ^2/NDF : 57.0/34

All: -0.396 ± 1.540 χ^2/NDF : 84.9/65

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: 373.260+/-0.081 χ^2/NDF : 229690.1/13

Left: 381.417+/-0.057 χ^2/NDF : 614489.8/29

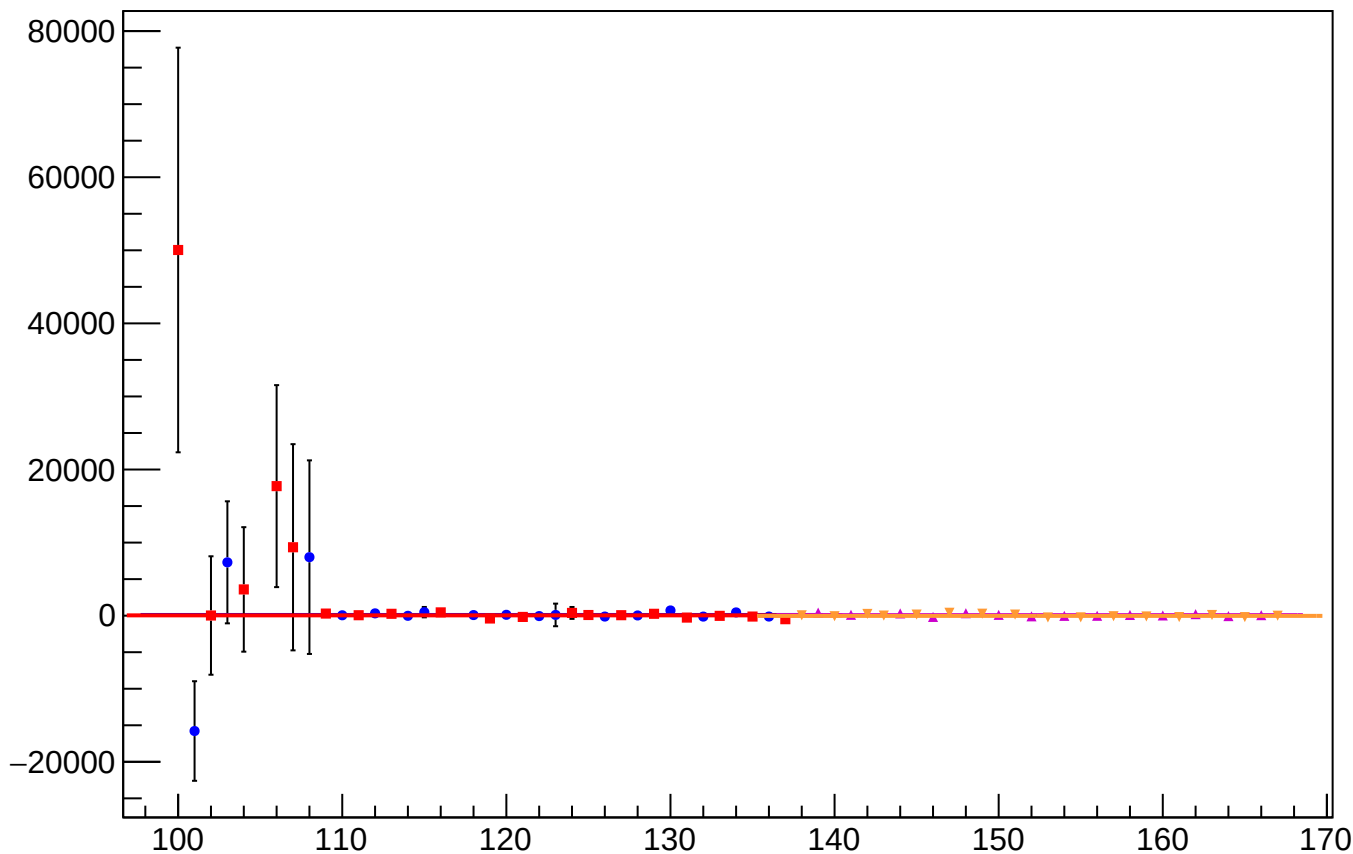
Right: 2.446+/-0.001 χ^2/NDF : 21846612.0/35

In: 2.598+/-0.002 χ^2/NDF : 31749383.3/30

Out: 2.569+/-0.001 χ^2/NDF : 34498346.3/34

All: 2.583+/-0.001 χ^2/NDF : 66247910.3/65

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: 74.479+/-62.462 χ^2/NDF : 5.4/13

Left: 29.179+/-46.683 χ^2/NDF : 12.4/29

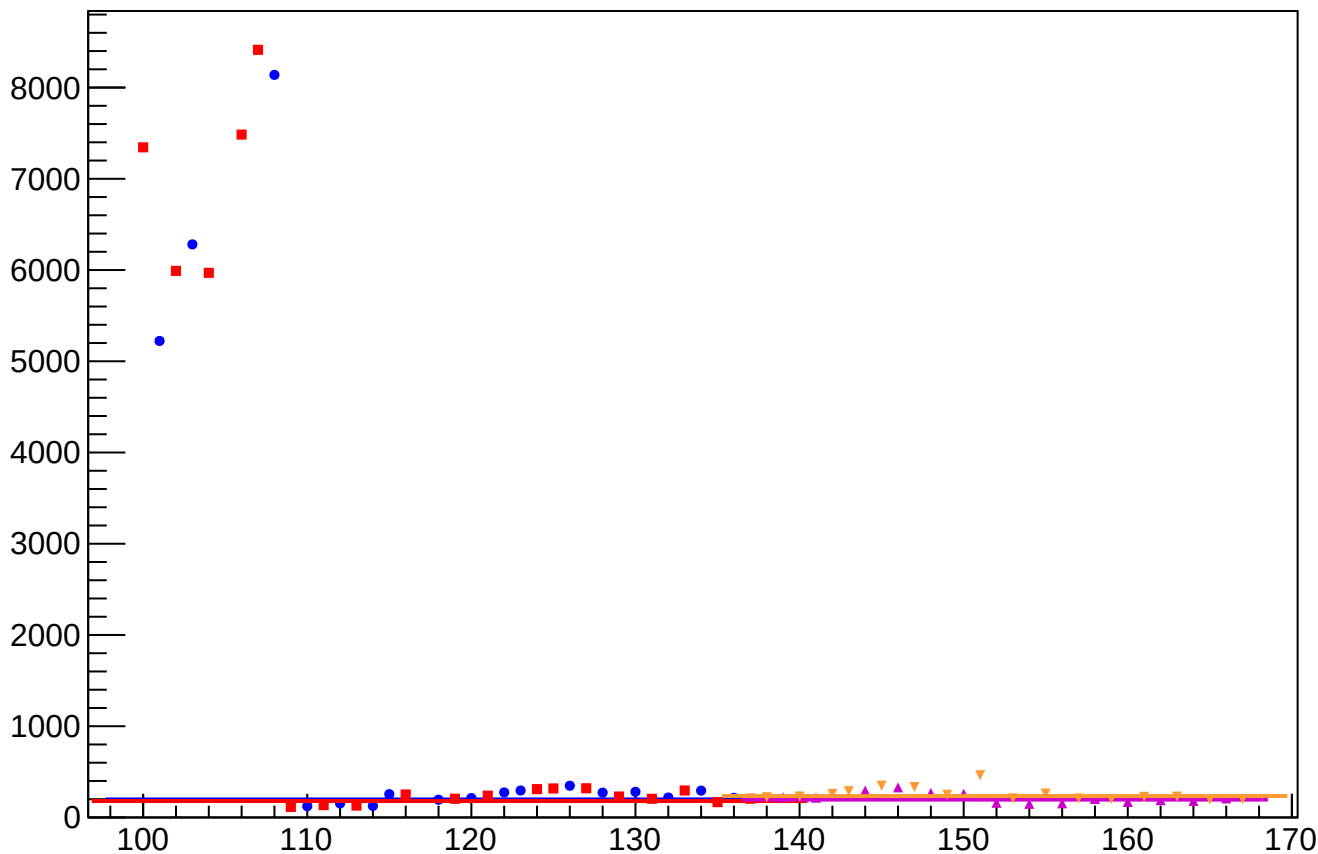
Right: 66.846+/-62.161 χ^2/NDF : 26.2/35

In: 81.094+/-51.625 χ^2/NDF : 17.4/30

Out: 0.763+/-54.038 χ^2/NDF : 20.2/34

All: 42.762+/-37.329 χ^2/NDF : 38.8/65

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: 195.703+/-0.044 χ^2/NDF : 1065382.3/13

Left: 213.008+/-0.033 χ^2/NDF : 2346469.5/29

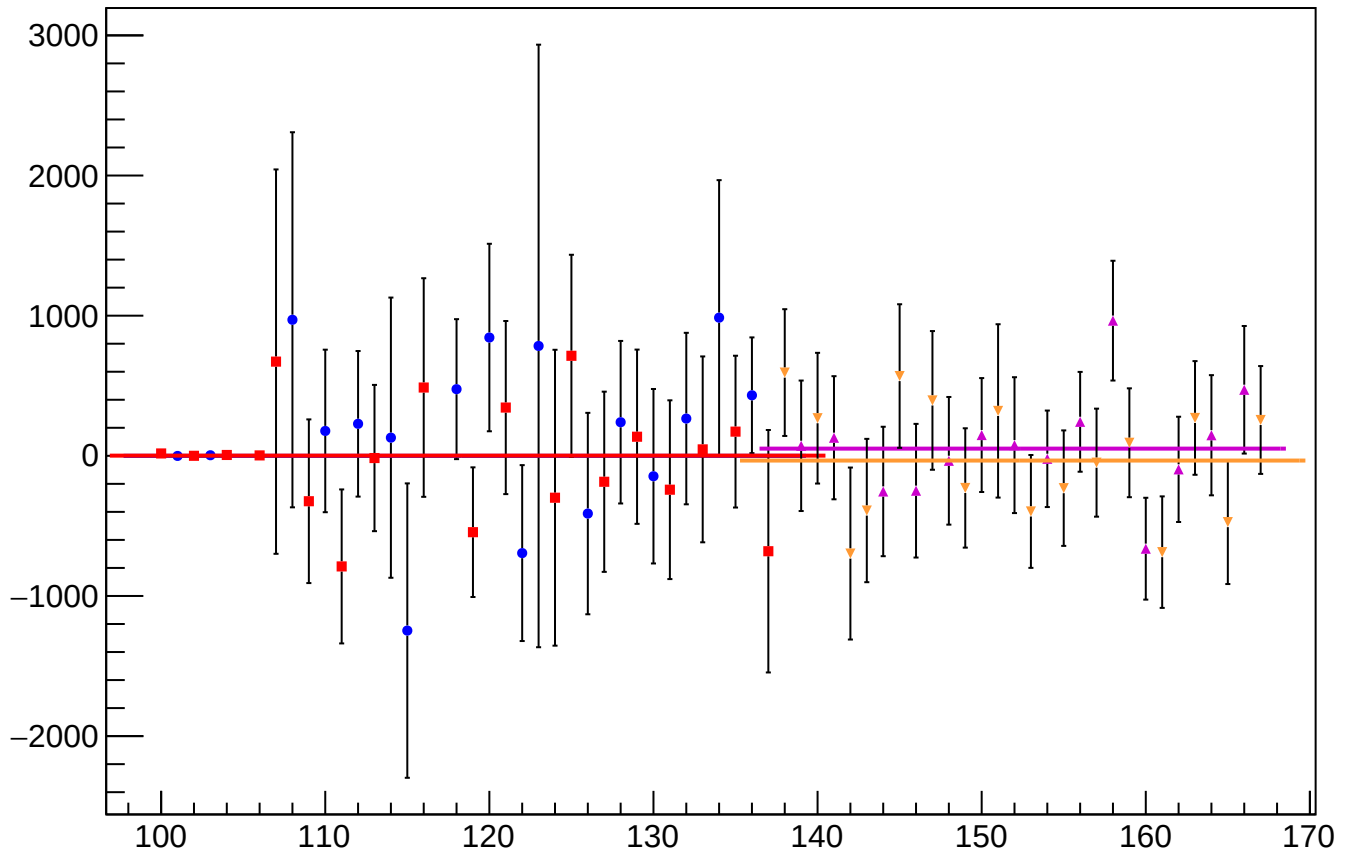
Right: 187.995+/-0.044 χ^2/NDF : 8056346.9/35

In: 196.248+/-0.037 χ^2/NDF : 4761710.4/30

Out: 212.469+/-0.038 χ^2/NDF : 5753948.7/34

All: 203.988+/-0.026 χ^2/NDF : 10609874.6/65

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 $\chi^2/\text{NDF}: 9.8/16$

Left Out: -33.744 ± 110.646 $\chi^2/\text{NDF}: 12.6/15$

Right Out: 1.324 ± 1.623 $\chi^2/\text{NDF}: 9.5/18$

Left In: 51.356 ± 111.285 $\chi^2/\text{NDF}: 10.8/13$

Left: 8.561 ± 78.463 $\chi^2/\text{NDF}: 23.7/29$

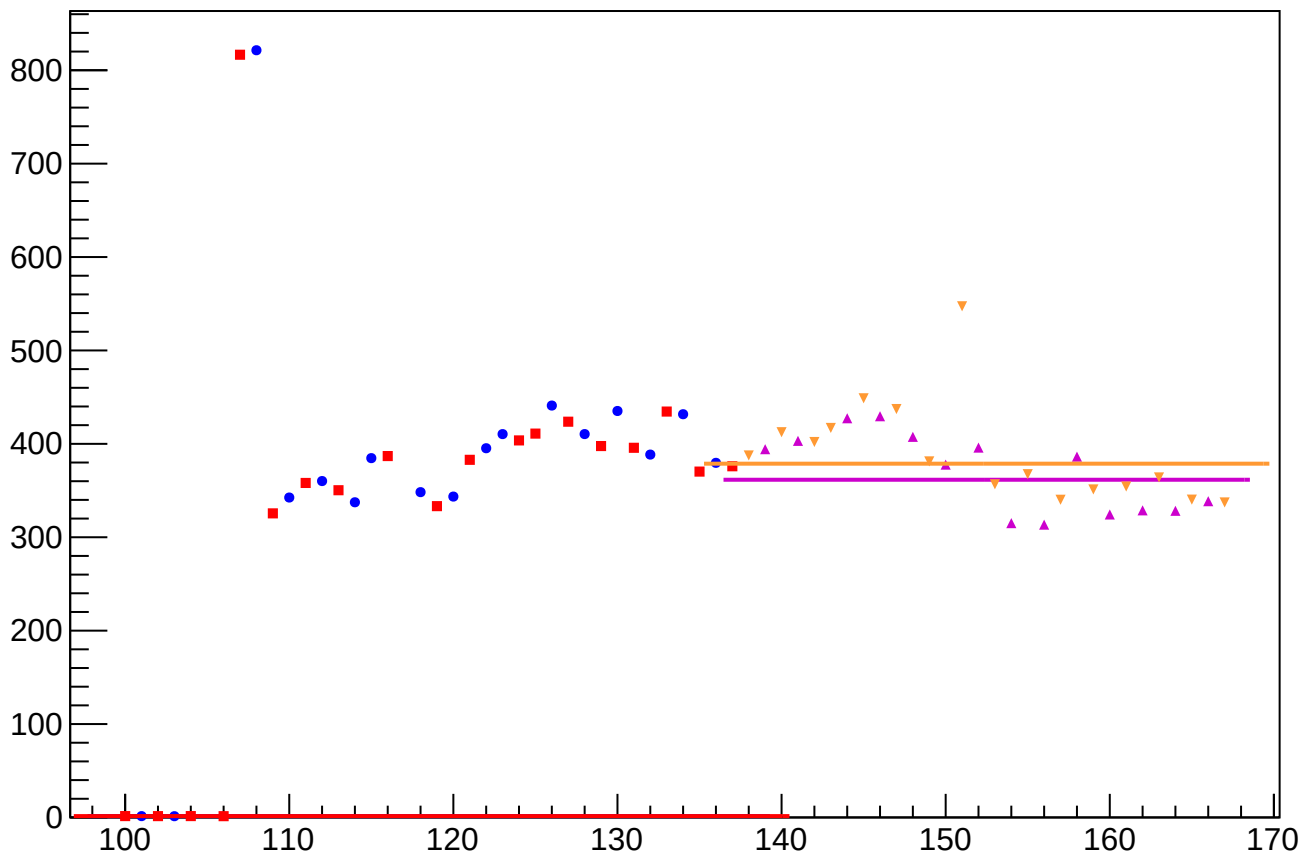
Right: 0.642 ± 1.186 $\chi^2/\text{NDF}: 19.7/35$

In: -0.126 ± 1.736 $\chi^2/\text{NDF}: 20.8/30$

Out: 1.316 ± 1.622 $\chi^2/\text{NDF}: 22.2/34$

All: 0.644 ± 1.185 $\chi^2/\text{NDF}: 43.4/65$

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: 361.564 $\pm$ 0.079 χ^2 /NDF:275615.6/13

Left: 370.214 $\pm$ 0.055 χ^2 /NDF: 625002.7/29

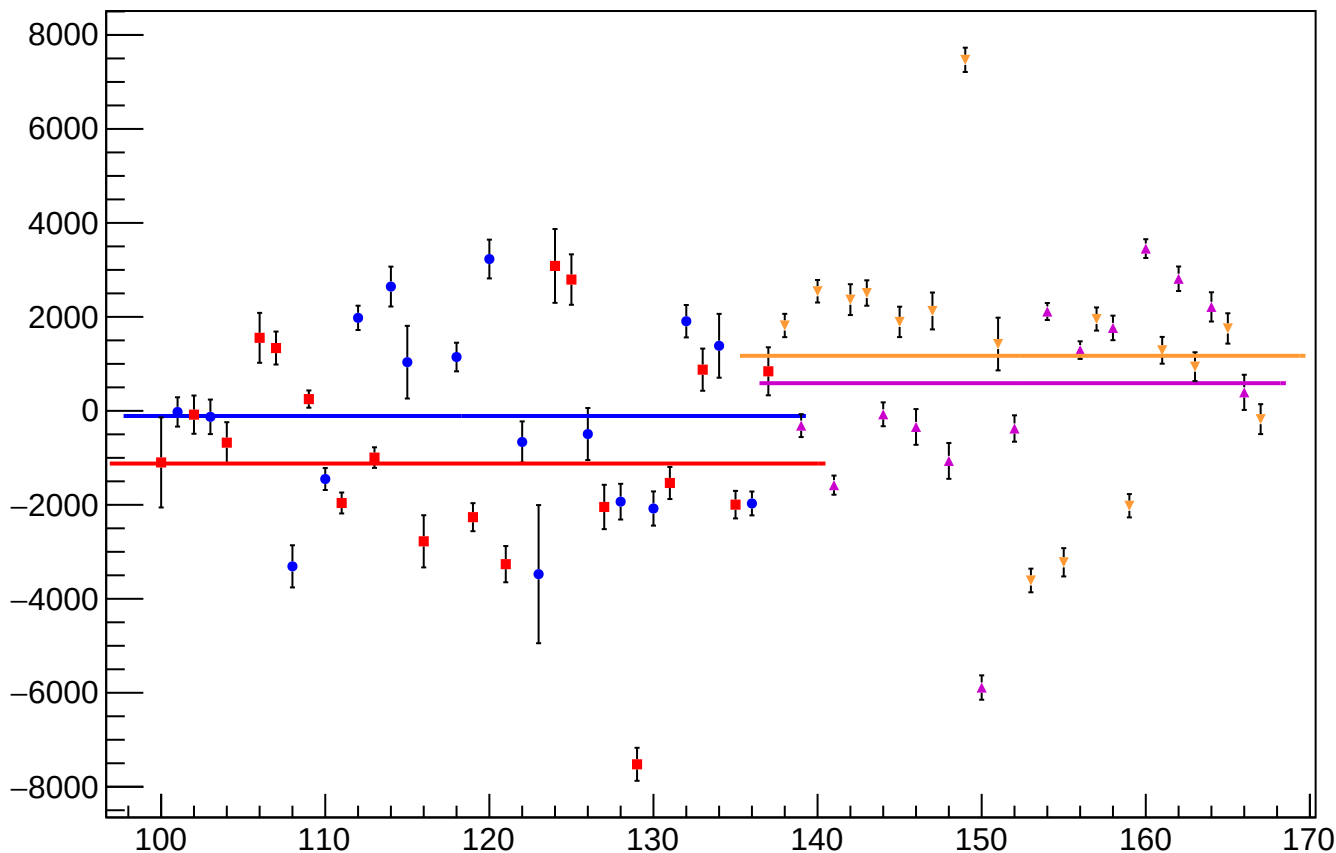
Right: 1.452 $\pm$ 0.001 χ^2 /NDF: 21689445.7/35

In: 1.540 $\pm$ 0.001 χ^2 /NDF:32029021.1/30

Out: 1.532 $\pm$ 0.001 χ^2 /NDF:34451680.0/34

All: 1.536 $\pm$ 0.001 χ^2 /NDF: 66480722.3/65

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: 588.932+/-66.106 χ^2/NDF :1206.0/13

Left: 855.421+/-48.702 χ^2/NDF : 2694.6/29

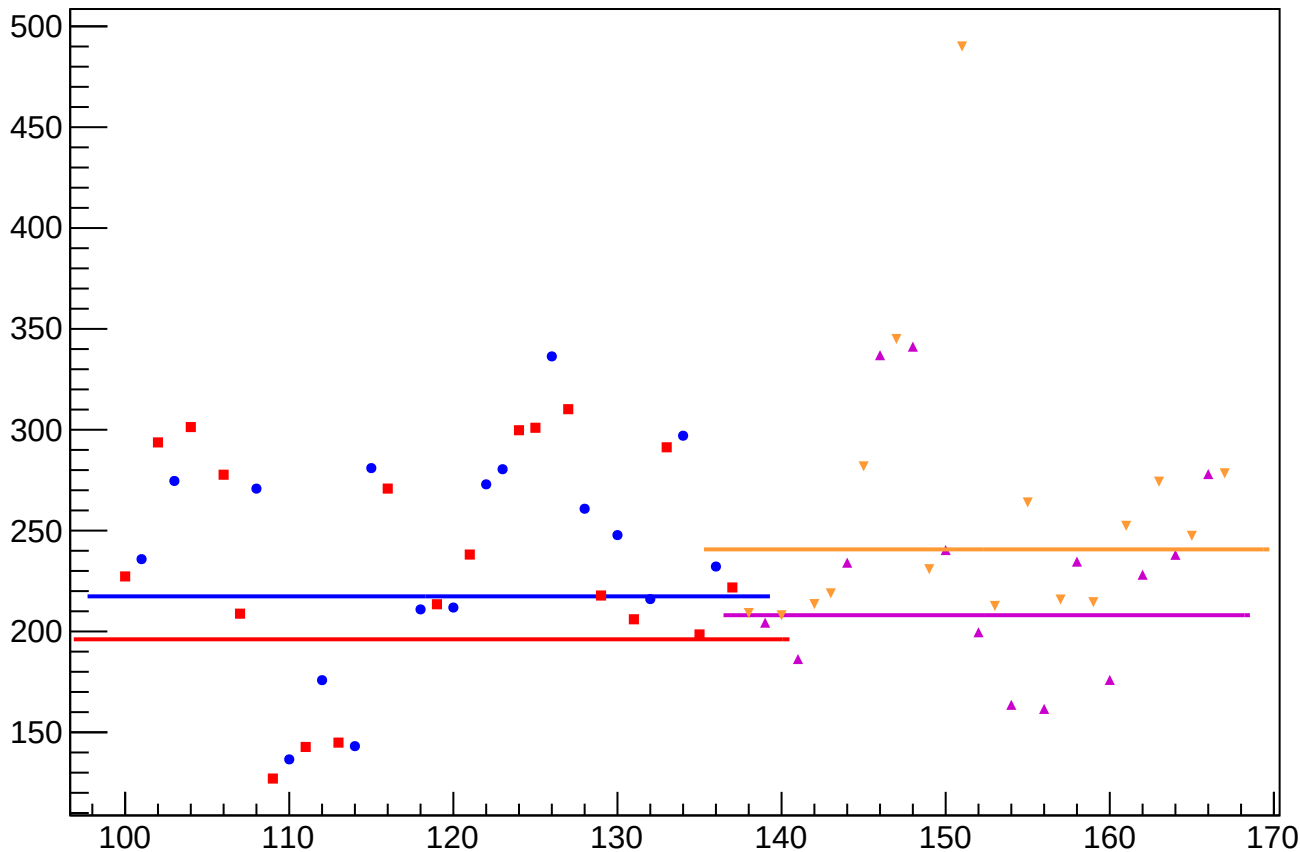
Right: -673.210+/-58.525 χ^2/NDF : 1172.2/35

In: 336.935+/-52.846 χ^2/NDF :1674.6/30

Out: 122.255+/-53.038 χ^2/NDF :2587.1/34

All: 229.984+/-37.435 χ^2/NDF : 4269.9/65

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 240.682+/-0.051 χ^2/NDF : 803627.1/15

Right Out: 196.112+/-0.055 χ^2/NDF : 1190862.3/18

Left In: 208.060+/-0.047 χ^2/NDF : 967085.2/13

Left: 222.976+/-0.034 χ^2/NDF : 1993417.6/29

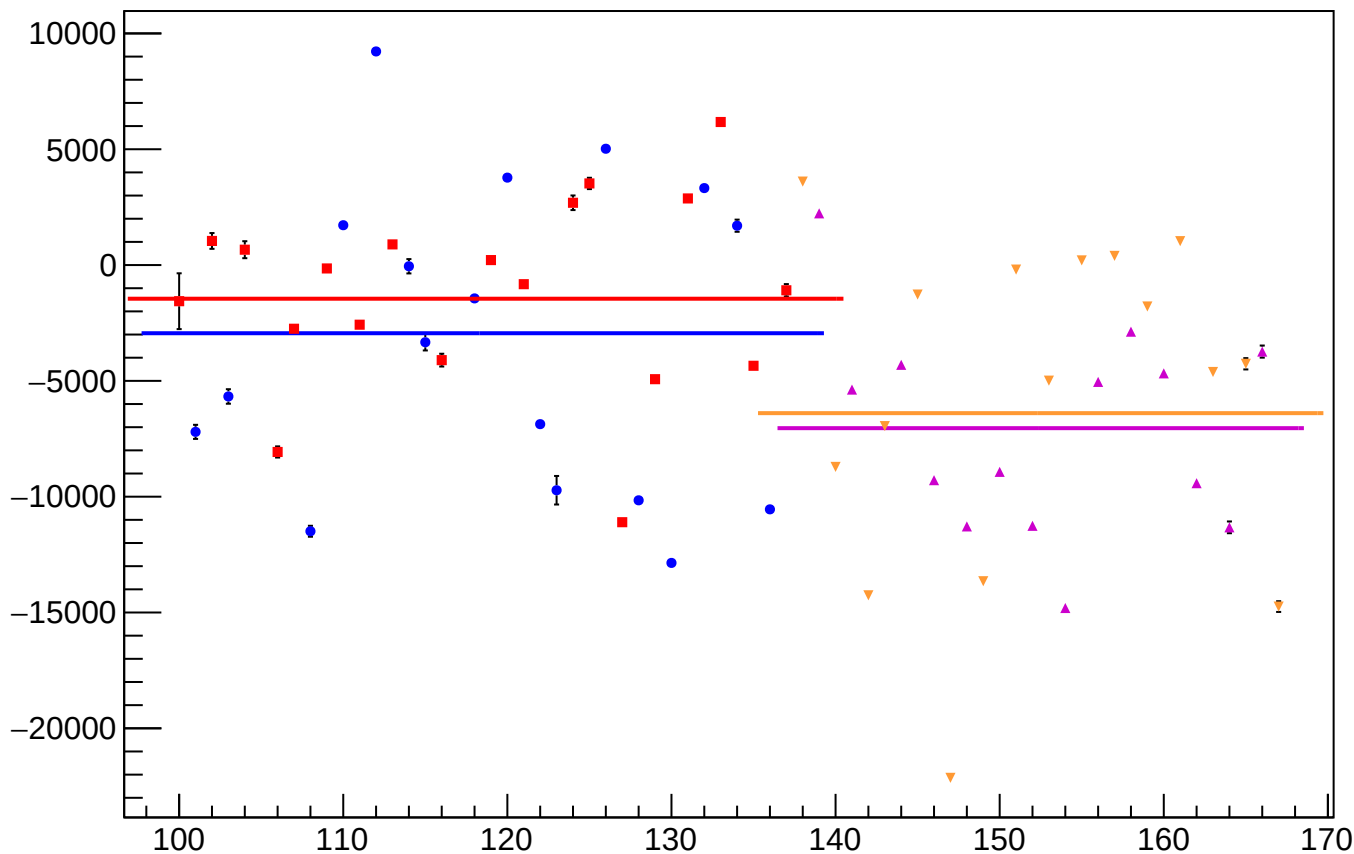
Right: 205.537+/-0.041 χ^2/NDF : 1908796.2/35

In: 211.432+/-0.037 χ^2/NDF : 1634137.7/30

Out: 220.282+/-0.038 χ^2/NDF : 2345054.0/34

All: 215.841+/-0.026 χ^2/NDF : 4007137.7/65

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: -7041.894+/-41.242 χ^2/NDF : 11342.9/13

Left: -6704.956+/-28.586 χ^2/NDF : 46892.6/29

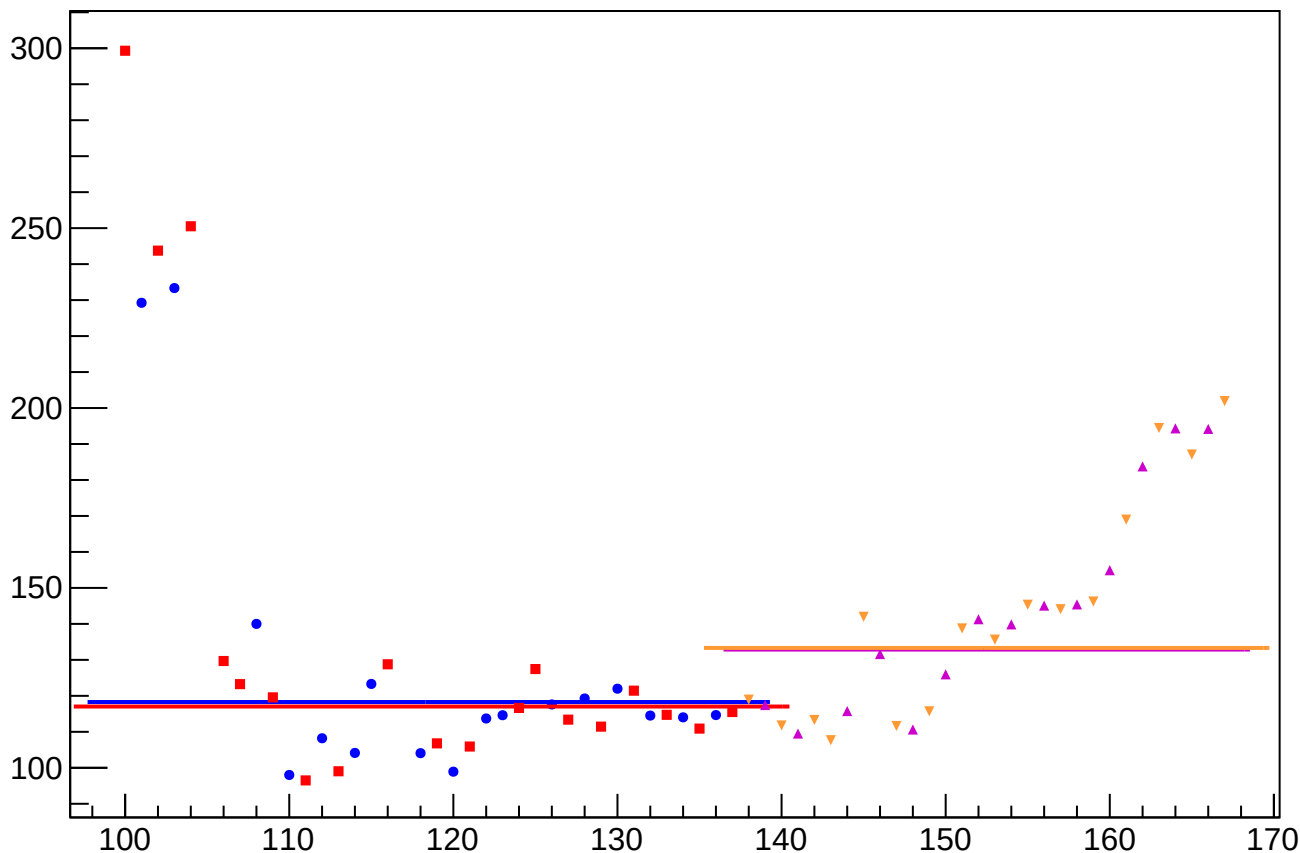
Right: -2163.502+/-33.566 χ^2/NDF : 29397.3/35

In: -5326.465+/-31.449 χ^2/NDF : 36386.5/30

Out: -4308.160+/-30.148 χ^2/NDF : 49967.5/34

All: -4795.811+/-21.763 χ^2/NDF : 86900.4/65

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: 132.866+/-0.029 χ^2/NDF : 612374.2/13

Left: 133.103+/-0.020 χ^2/NDF : 1424080.9/29

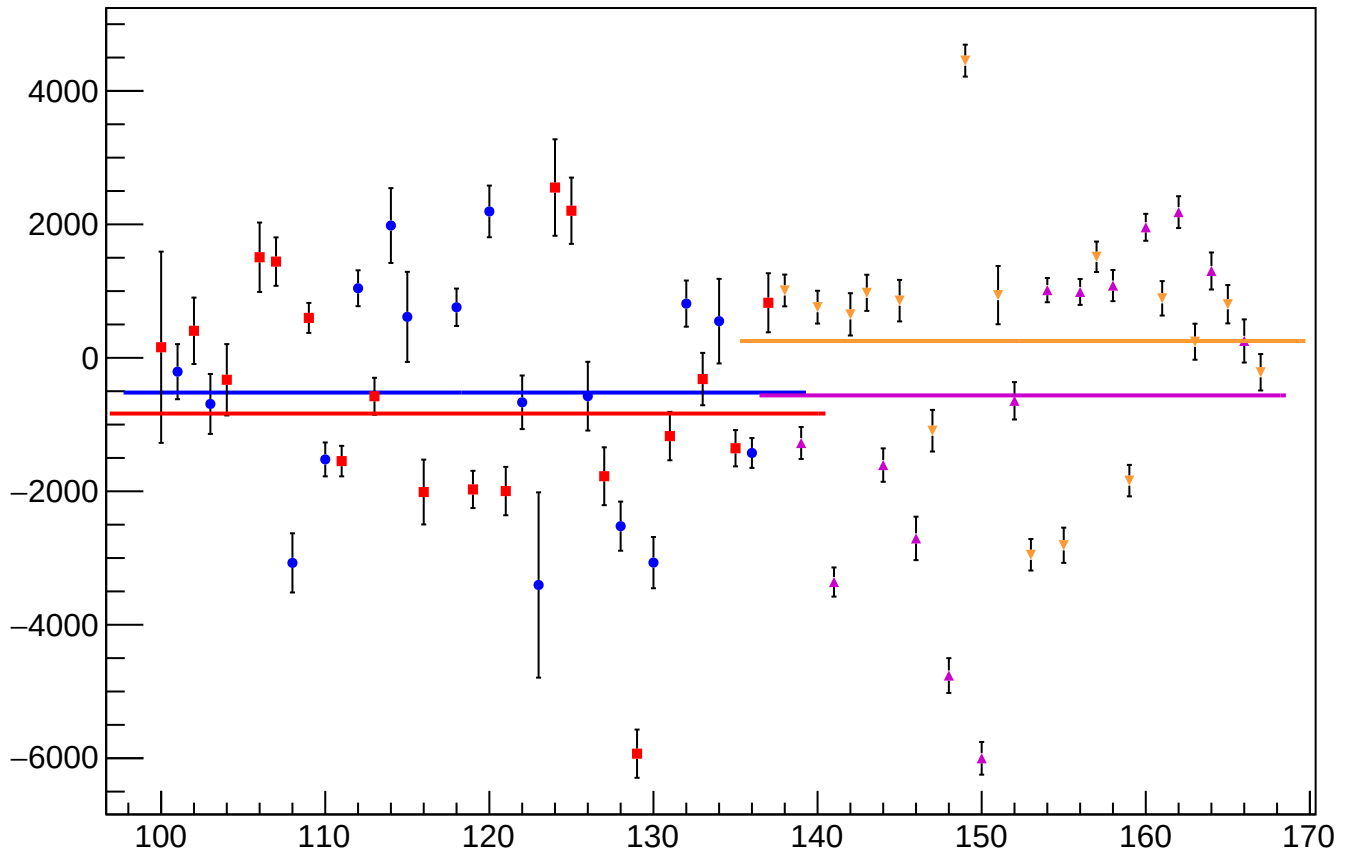
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 126.764+/-0.022 χ^2/NDF : 1353918.7/30

Out: 126.446+/-0.021 χ^2/NDF : 1644896.2/34

All: 126.598+/-0.015 χ^2/NDF : 2998921.4/65

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: -562.871 ± 63.513 χ^2/NDF : 1515.1/13

Left: -175.141 ± 45.990 χ^2/NDF : 2390.4/29

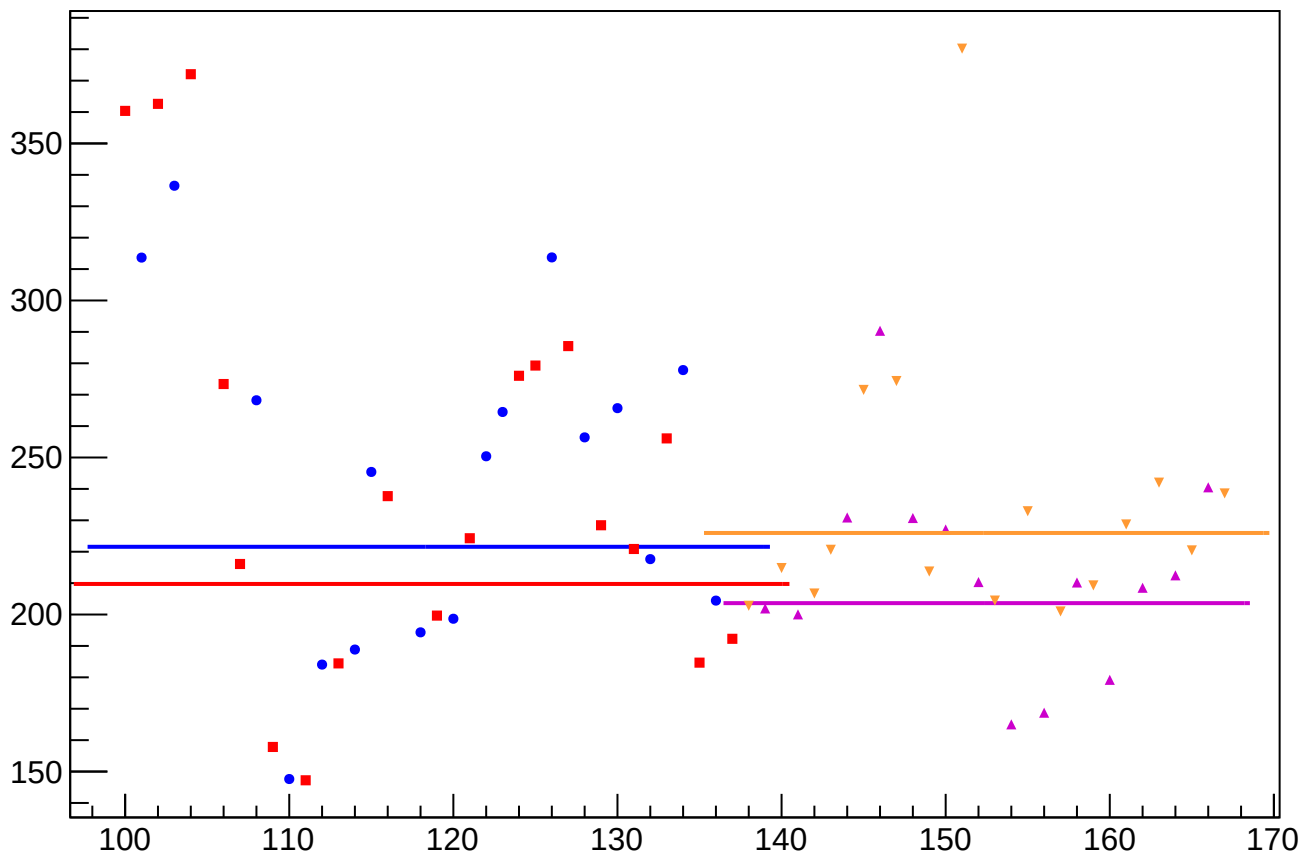
Right: -690.308 ± 60.489 χ^2/NDF : 729.5/35

In: -548.547 ± 51.746 χ^2/NDF : 1803.4/30

Out: -178.741 ± 51.804 χ^2/NDF : 1337.0/34

All: -363.853 ± 36.610 χ^2/NDF : 3165.9/65

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570+/-0.063 χ^2/NDF : 644941.4/16

Left Out: 225.973+/-0.047 χ^2/NDF : 441699.9/15

Right Out: 209.736+/-0.058 χ^2/NDF : 883922.1/18

Left In: 203.627+/-0.045 χ^2/NDF : 422565.5/13

Left: 214.256+/-0.033 χ^2/NDF : 982025.3/29

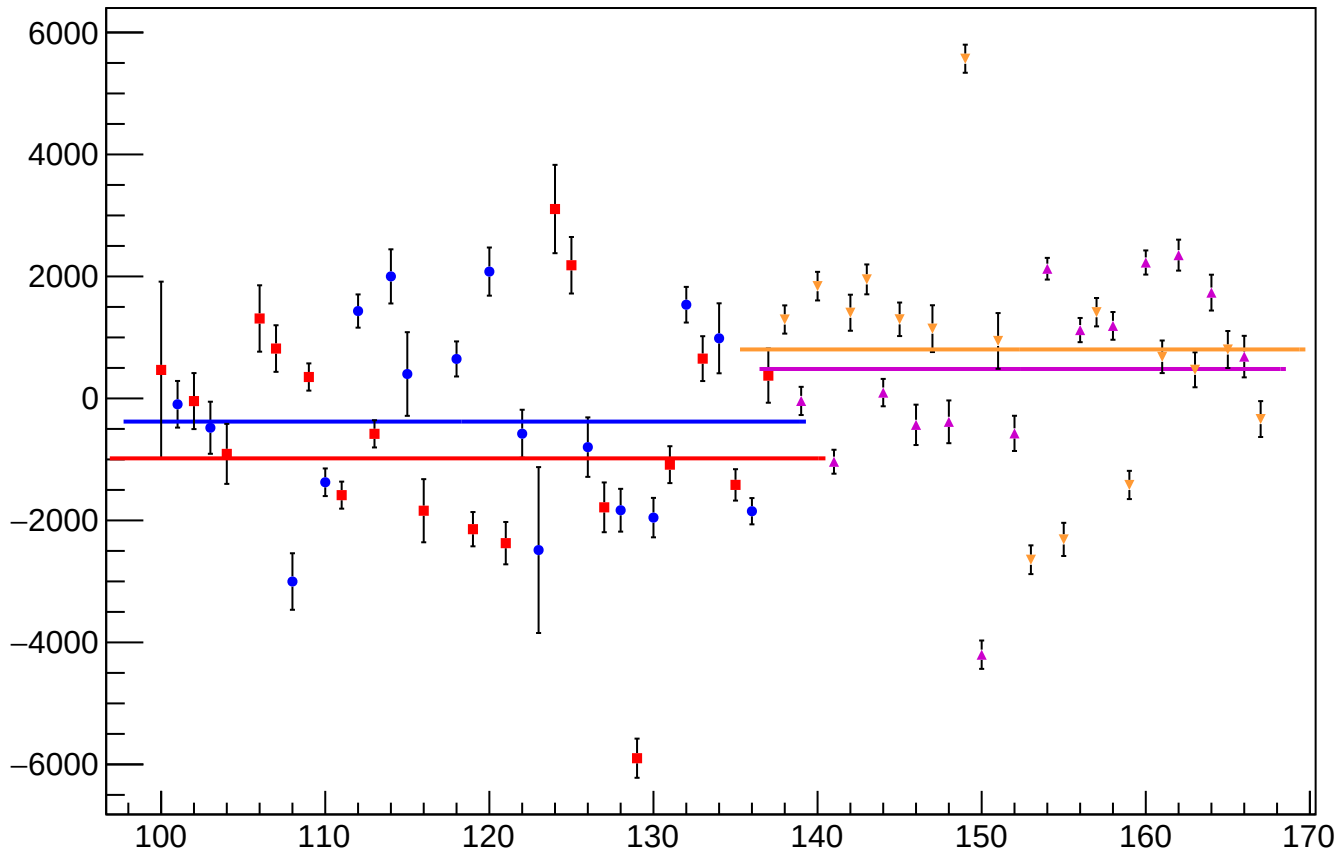
Right: 215.173+/-0.043 χ^2/NDF : 1547873.9/35

In: 209.660+/-0.037 χ^2/NDF : 1121172.1/30

Out: 219.536+/-0.037 χ^2/NDF : 1372635.8/34

All: 214.592+/-0.026 χ^2/NDF : 2530190.1/65

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647+/-84.260 χ^2/NDF : 317.2/16

Left Out: 803.277+/-66.526 χ^2/NDF : 943.6/15

Right Out: -982.539+/-77.724 χ^2/NDF : 476.3/18

Left In: 482.676+/-63.255 χ^2/NDF : 756.5/13

Left: 634.902+/-45.841 χ^2/NDF : 1712.3/29

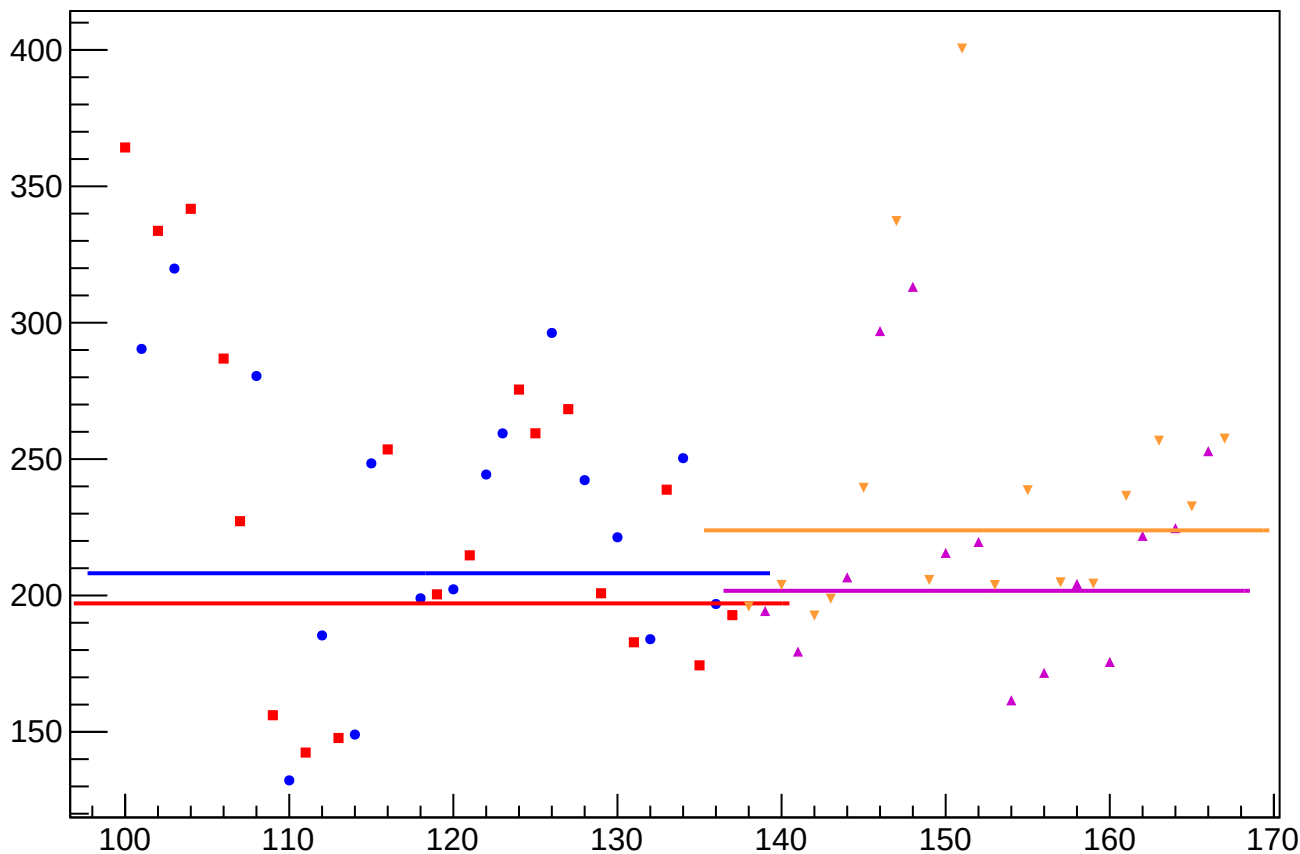
Right: -705.376+/-57.130 χ^2/NDF : 821.1/35

In: 171.859+/-50.587 χ^2/NDF : 1140.6/30

Out: 48.174+/-50.541 χ^2/NDF : 1724.6/34

All: 109.960+/-35.754 χ^2/NDF : 2868.2/65

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 $\pm$ 0.060 χ^2/NDF : 699084.2/16

Left Out: 223.880 $\pm$ 0.047 χ^2/NDF : 685783.2/15

Right Out: 197.103 $\pm$ 0.055 χ^2/NDF : 926467.5/18

Left In: 201.715 $\pm$ 0.045 χ^2/NDF : 664236.9/13

Left: 212.239 $\pm$ 0.032 χ^2/NDF : 1466614.2/29

Right: 202.182 $\pm$ 0.040 χ^2/NDF : 1644129.7/35

In: 204.035 $\pm$ 0.036 χ^2/NDF : 1370783.4/30

Out: 212.557 $\pm$ 0.036 χ^2/NDF : 1749256.8/34

All: 208.300 $\pm$ 0.025 χ^2/NDF : 3148449.6/65

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

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

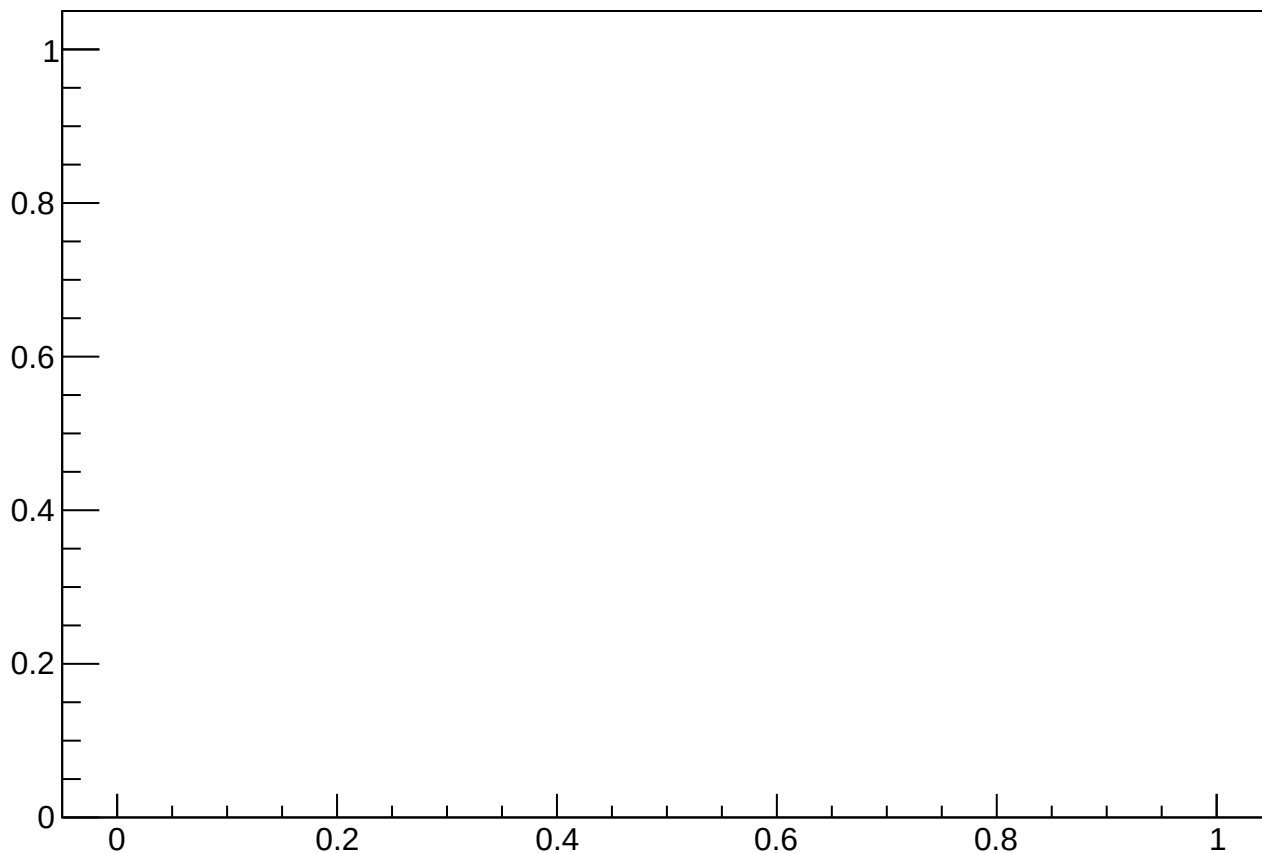
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

bcm_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

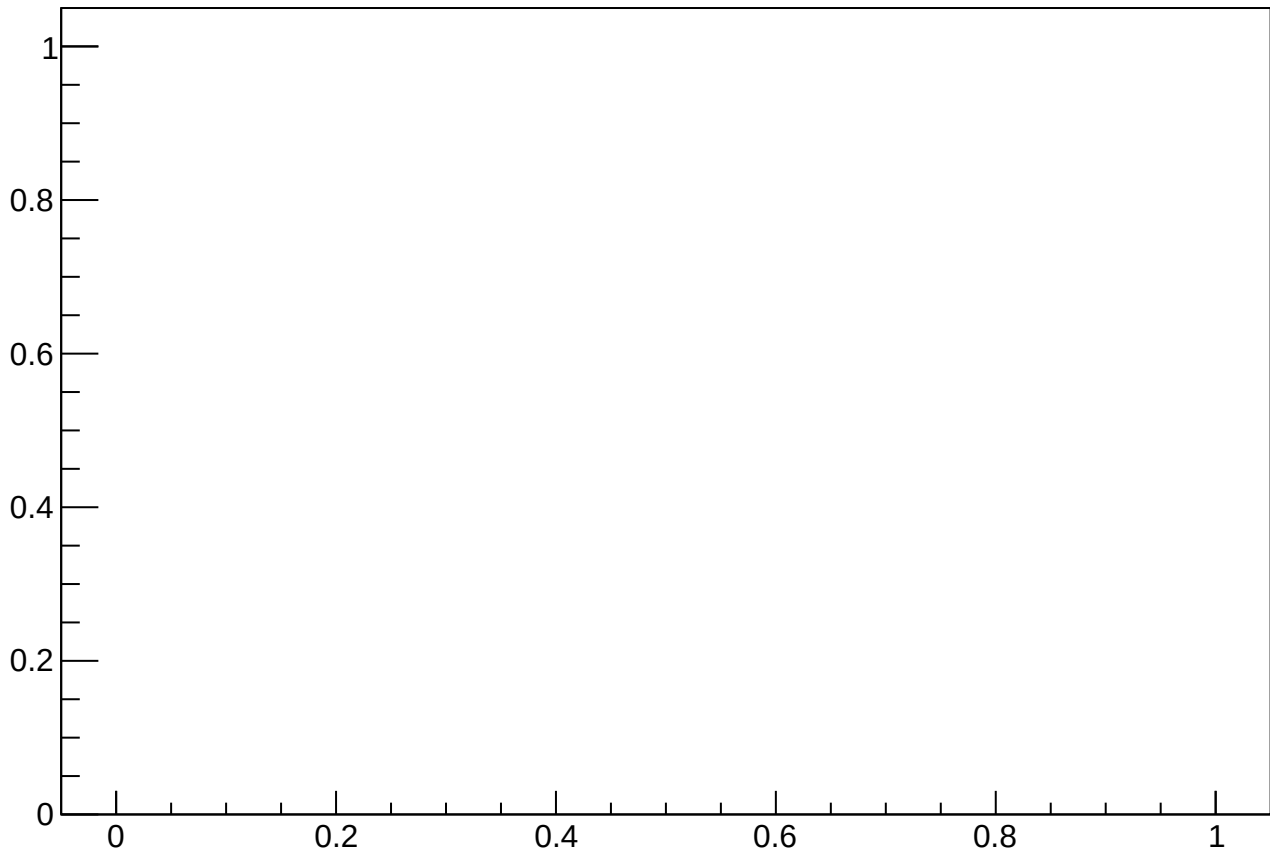
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

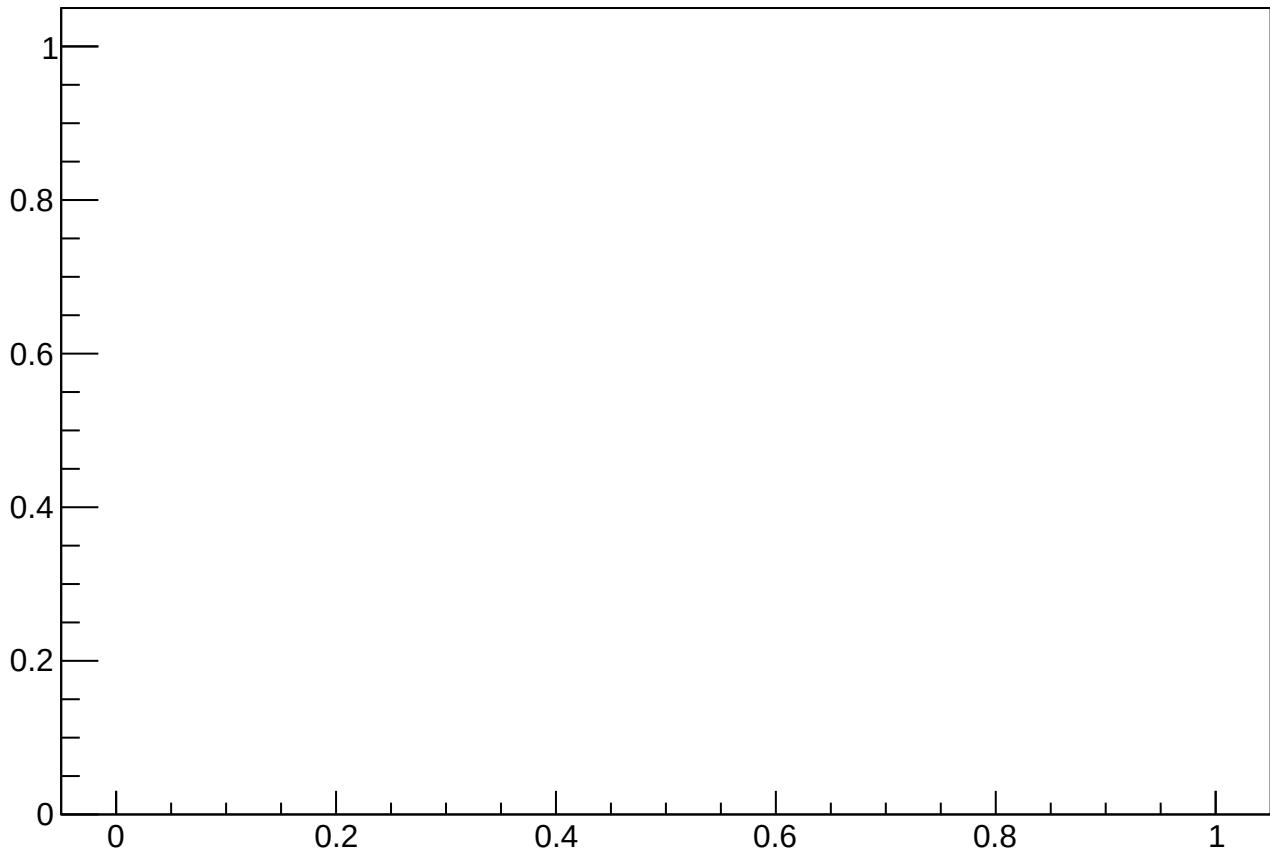
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

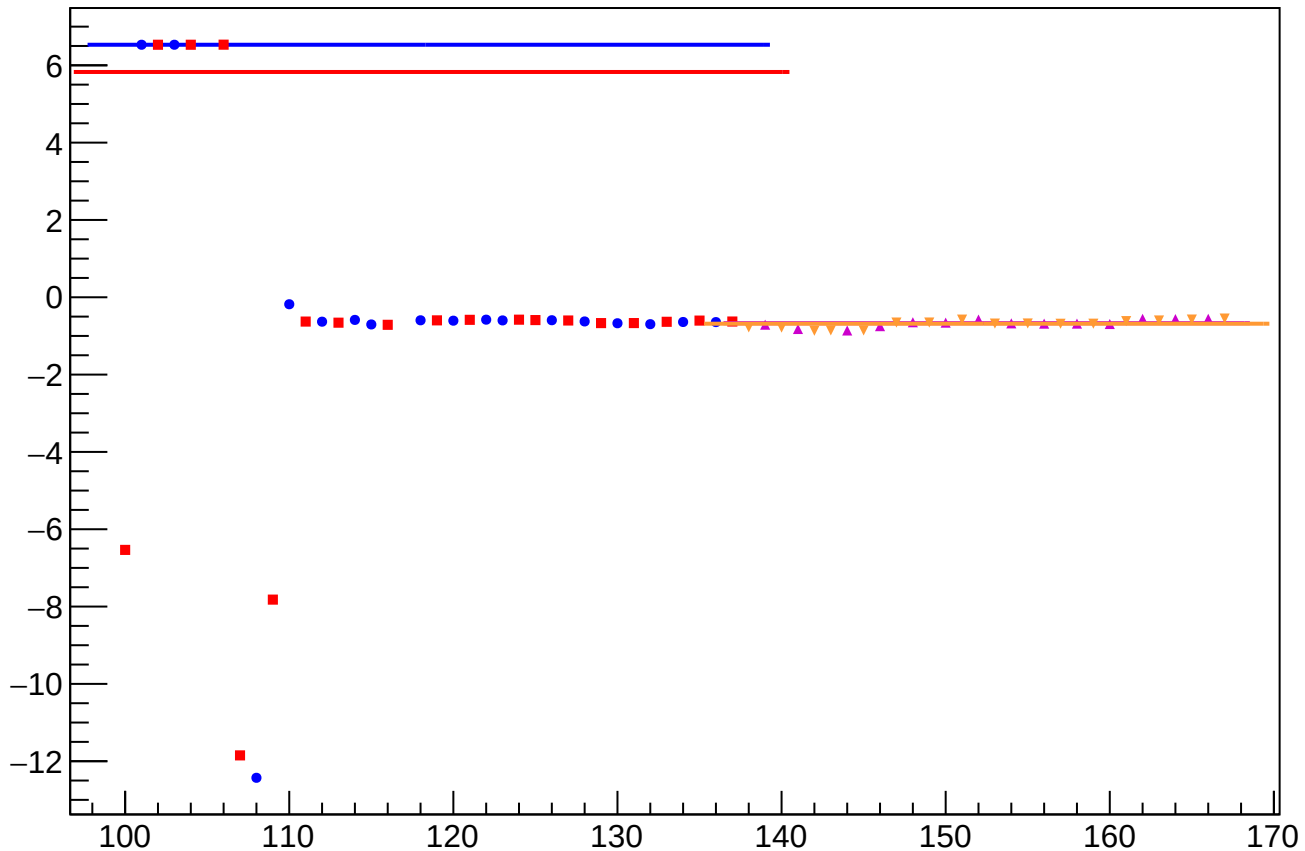
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -0.670+/-0.000 χ^2/NDF : 94216724.7/13

Left: -0.677+/-0.000 χ^2/NDF : 219289319.6/29

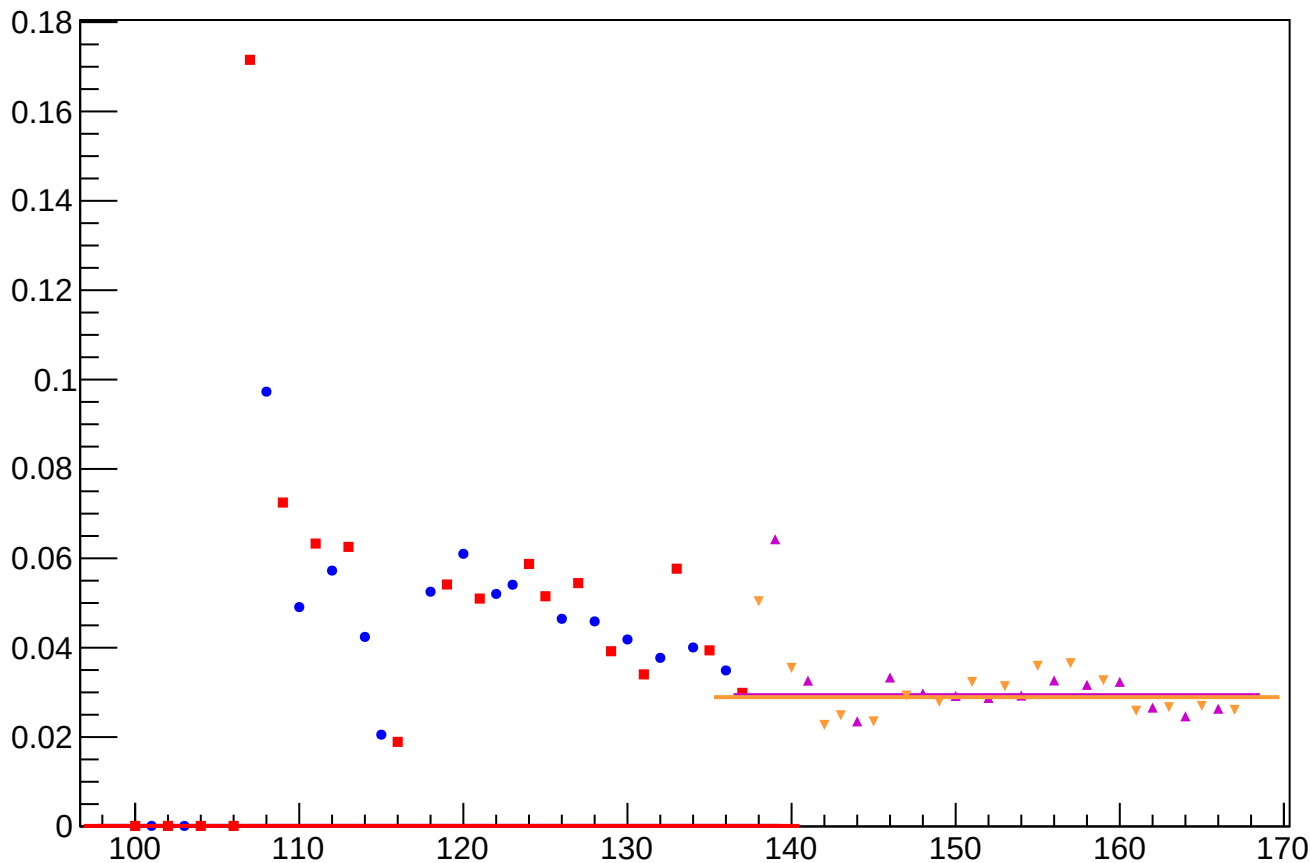
Right: 6.155+/-0.000 χ^2/NDF : 776094576922584.5

In: 6.531+/-0.000 χ^2/NDF : 649358905462.7/30

Out: 5.827+/-0.000 χ^2/NDF : 756442023325610.2/3

All: 6.154+/-0.000 χ^2/NDF : 77709165289405

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: 0.029+/-0.000 χ^2/NDF : 615705.8/13

Left: 0.029+/-0.000 χ^2/NDF : 1205982.6/29

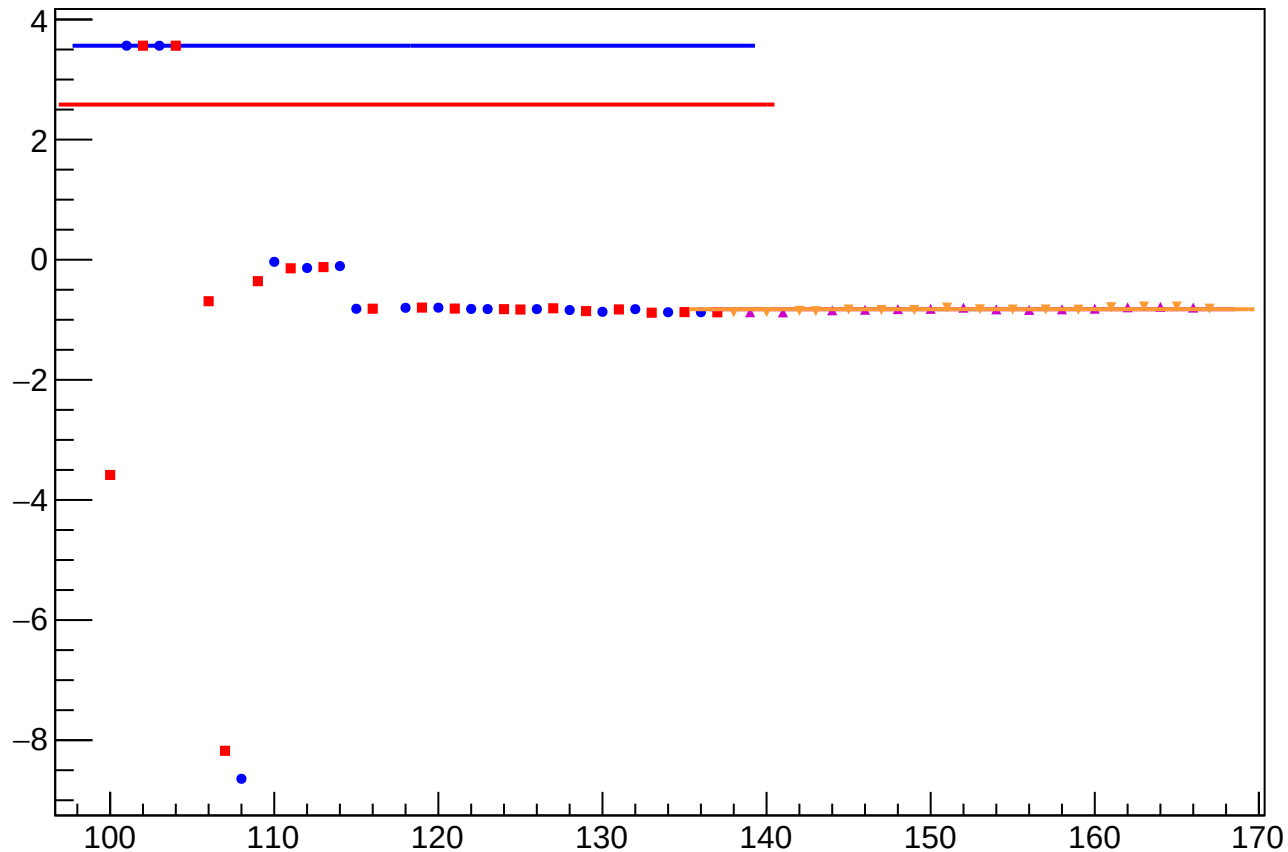
Right: 0.000+/-0.000 χ^2/NDF : 18237948.0/35

In: 0.000+/-0.000 χ^2/NDF : 26731719.0/30

Out: 0.000+/-0.000 χ^2/NDF : 28685362.5/34

All: 0.000+/-0.000 χ^2/NDF : 55417373.9/65

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: -0.824+/-0.000 χ^2/NDF : 99278319.2/13

Left: -0.824+/-0.000 χ^2/NDF : 224713103.2/29

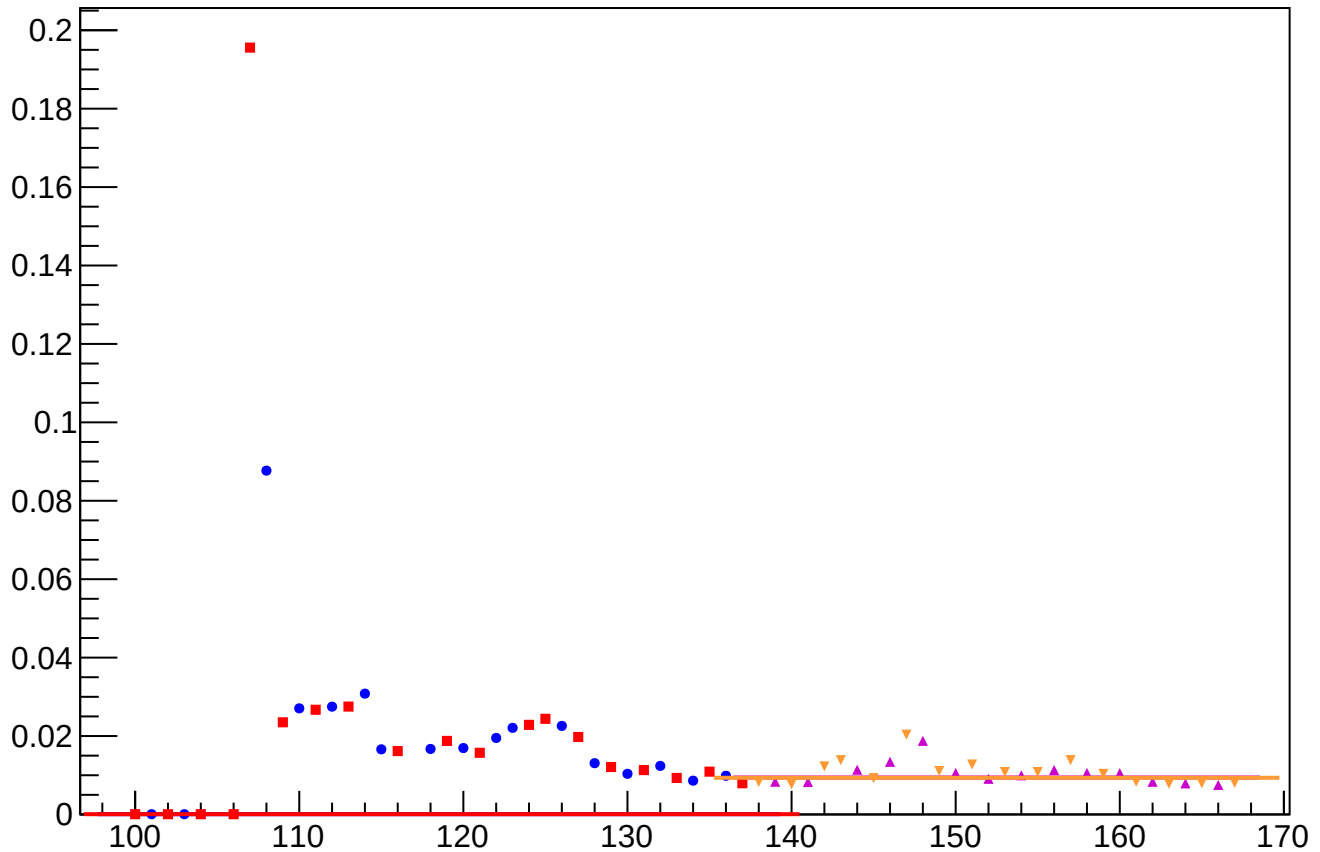
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.2/15

In: 3.562+/-0.000 χ^2/NDF : 2331433835844.7/30

Out: 2.582+/-0.000 χ^2/NDF : 1254741816543817.5/18

All: 3.039+/-0.000 χ^2/NDF : 13852842892794.2/29

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 : 746421.0/13

Left: 0.009+/-0.000 χ^2/NDF : 1808593.4/29

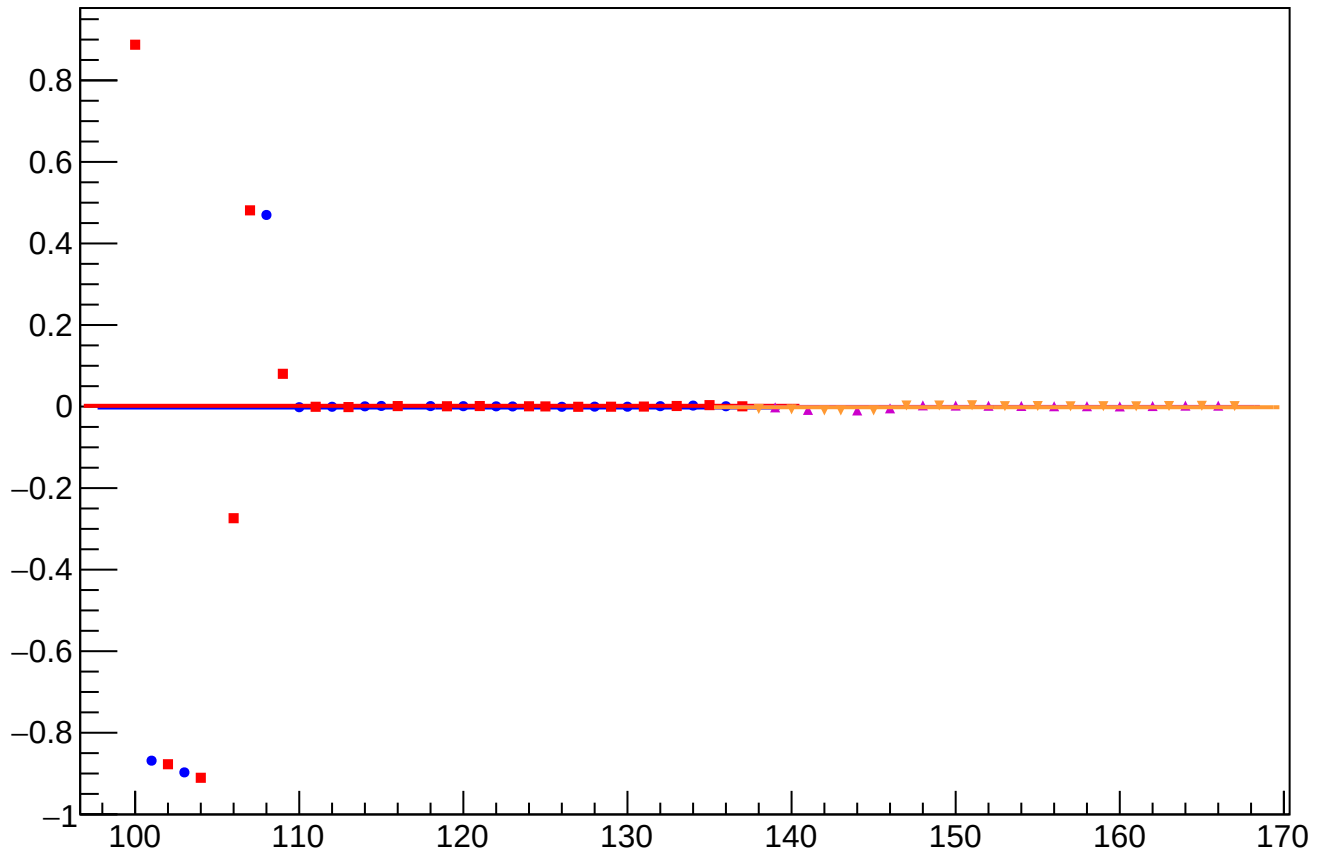
Right: 0.000+/-0.000 χ^2/NDF : 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF : 27303742.7/30

Out: 0.000+/-0.000 χ^2/NDF : 29345108.2/34

All: 0.000+/-0.000 χ^2/NDF : 56649201.0/65

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 : 65485997.5/13

Left: -0.001+/-0.000 χ^2/NDF : 158605849.3/29

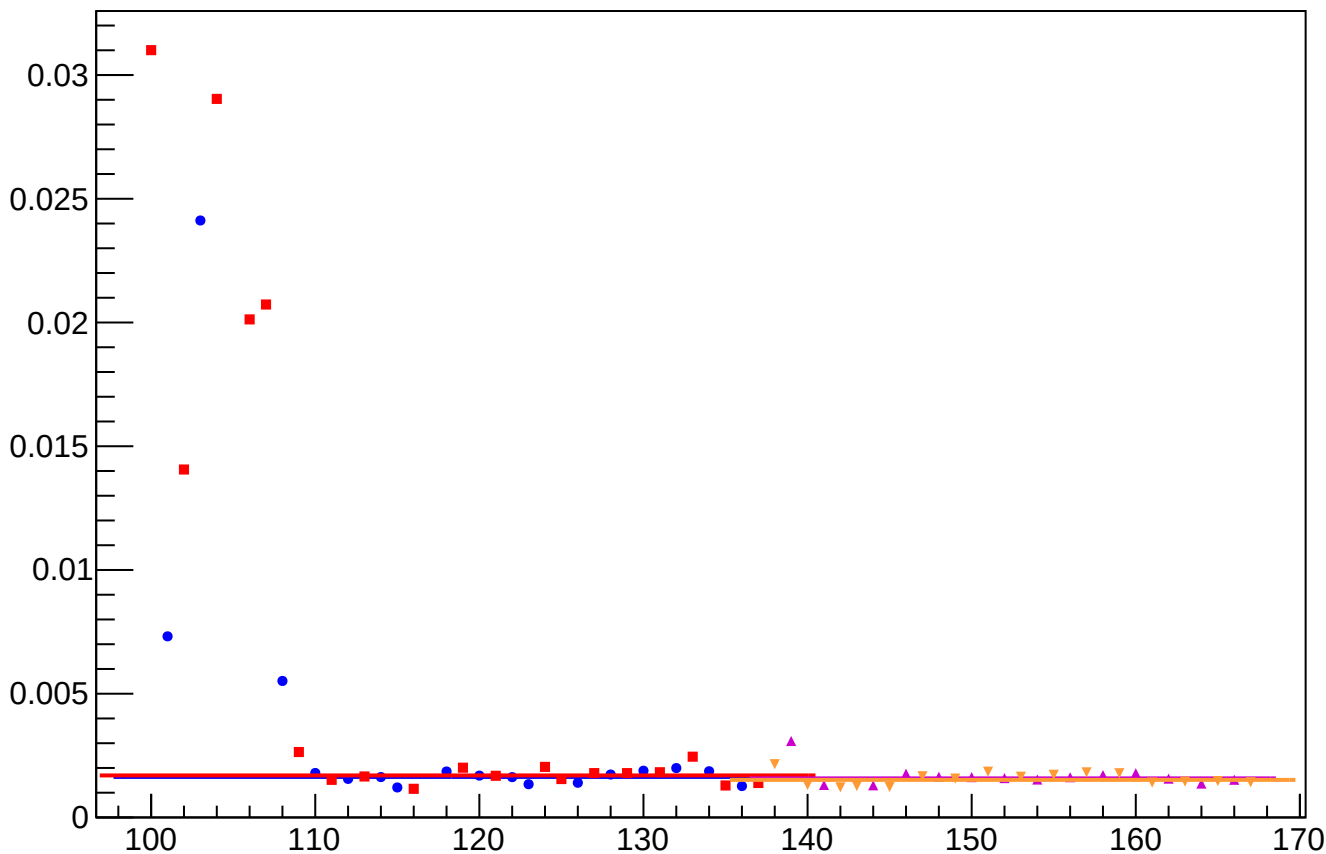
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF : 9862826395.2/30

Out: -0.001+/-0.000 χ^2/NDF : 3147104915.3/34

All: -0.001+/-0.000 χ^2/NDF : 13011065818.4/76

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.002+/-0.000 χ^2/NDF : 426926.2/15

Right Out: 0.002+/-0.000 χ^2/NDF : 3023899.0/18

Left In: 0.002+/-0.000 χ^2/NDF : 522124.7/13

Left: 0.002+/-0.000 χ^2/NDF : 962955.4/29

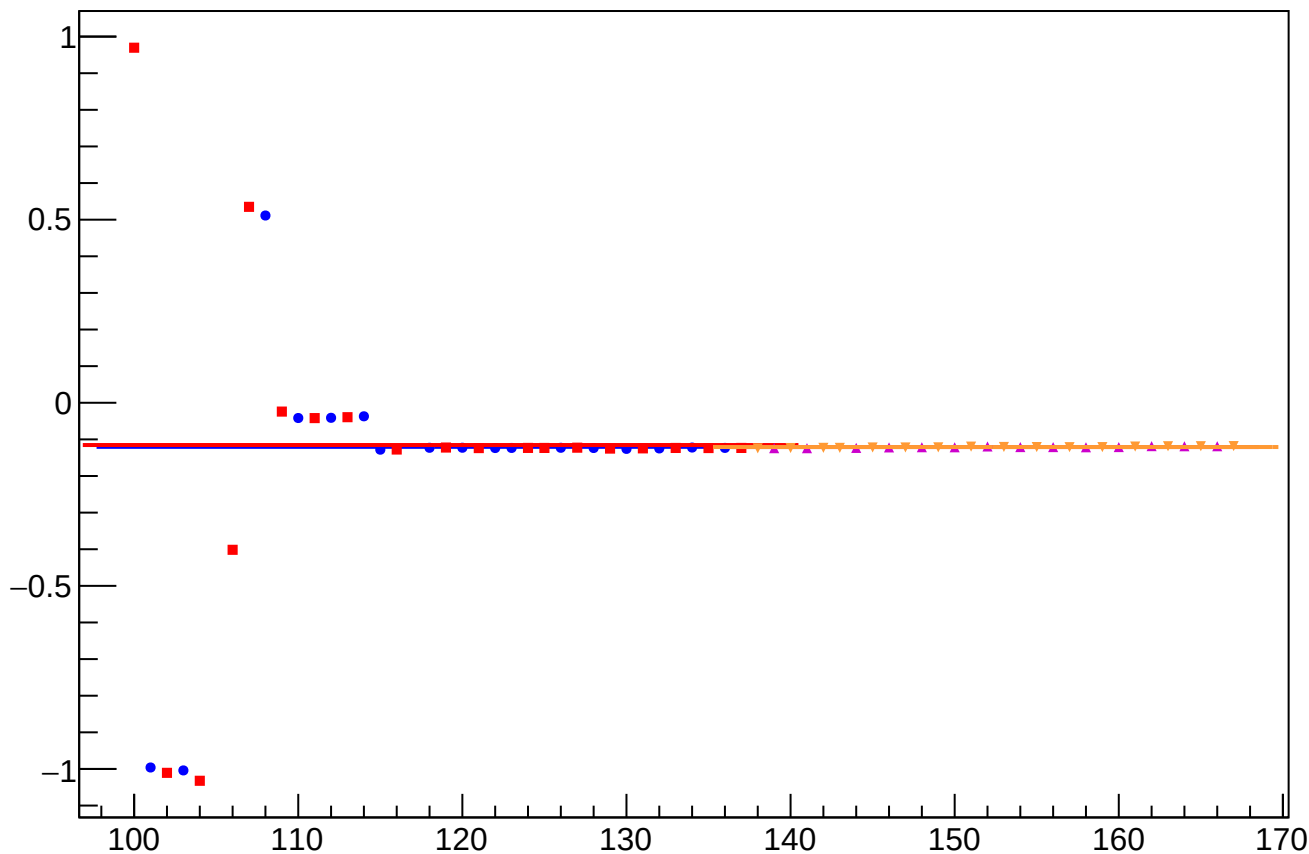
Right: 0.002+/-0.000 χ^2/NDF : 4945998.5/35

In: 0.002+/-0.000 χ^2/NDF : 2446342.1/30

Out: 0.002+/-0.000 χ^2/NDF : 3523164.5/34

All: 0.002+/-0.000 χ^2/NDF : 5974547.1/65

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 : 28135898.8/13

Left: -0.121+/-0.000 χ^2/NDF : 59649989.2/29

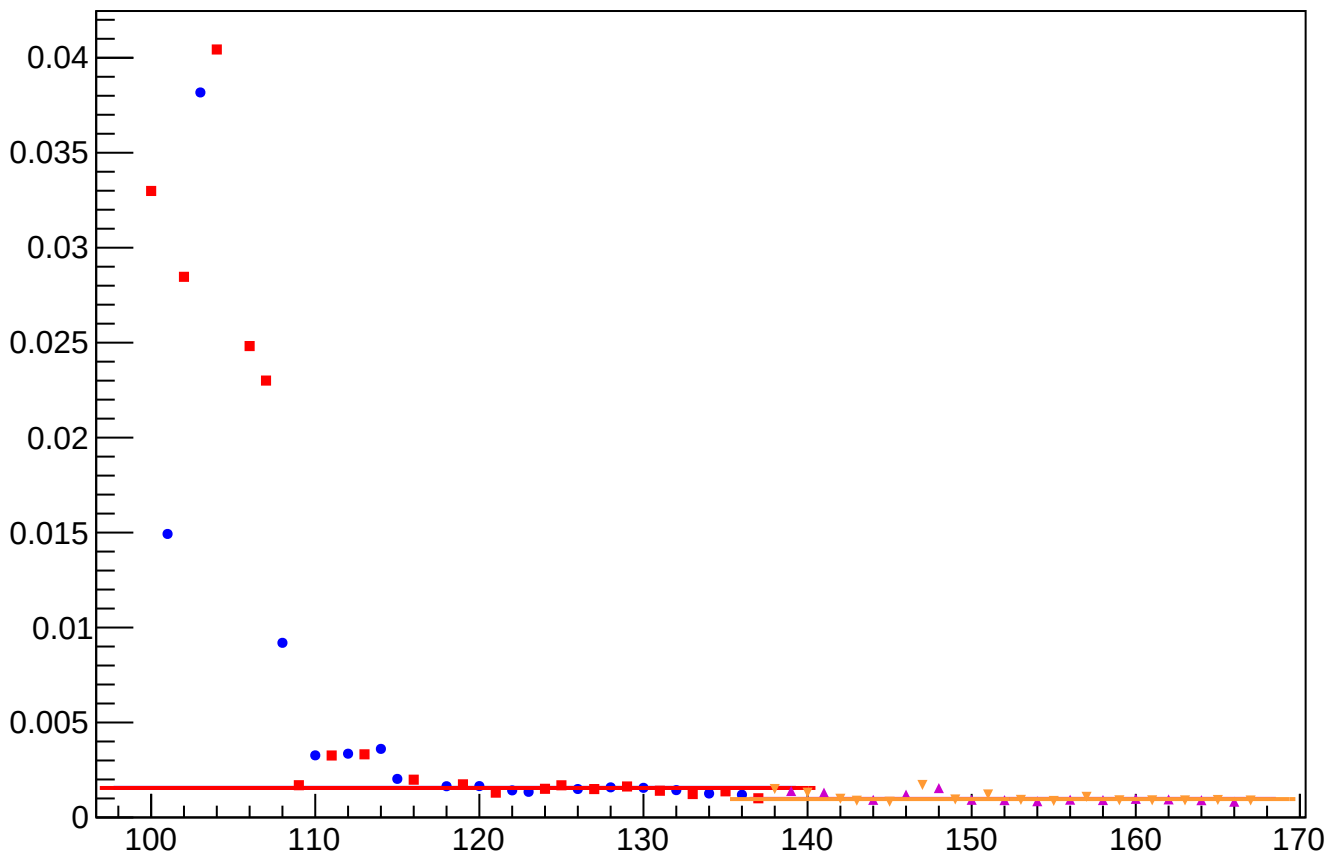
Right: -0.118+/-0.000 χ^2/NDF : 6411653427.4/35

In: -0.121+/-0.000 χ^2/NDF : 3960819386.2/30

Out: -0.120+/-0.000 χ^2/NDF : 2536948840.8/34

All: -0.120+/-0.000 χ^2/NDF : 6500894670.6/6

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 : 563661.7/13

Left: 0.001+/-0.000 χ^2/NDF : 1292198.7/29

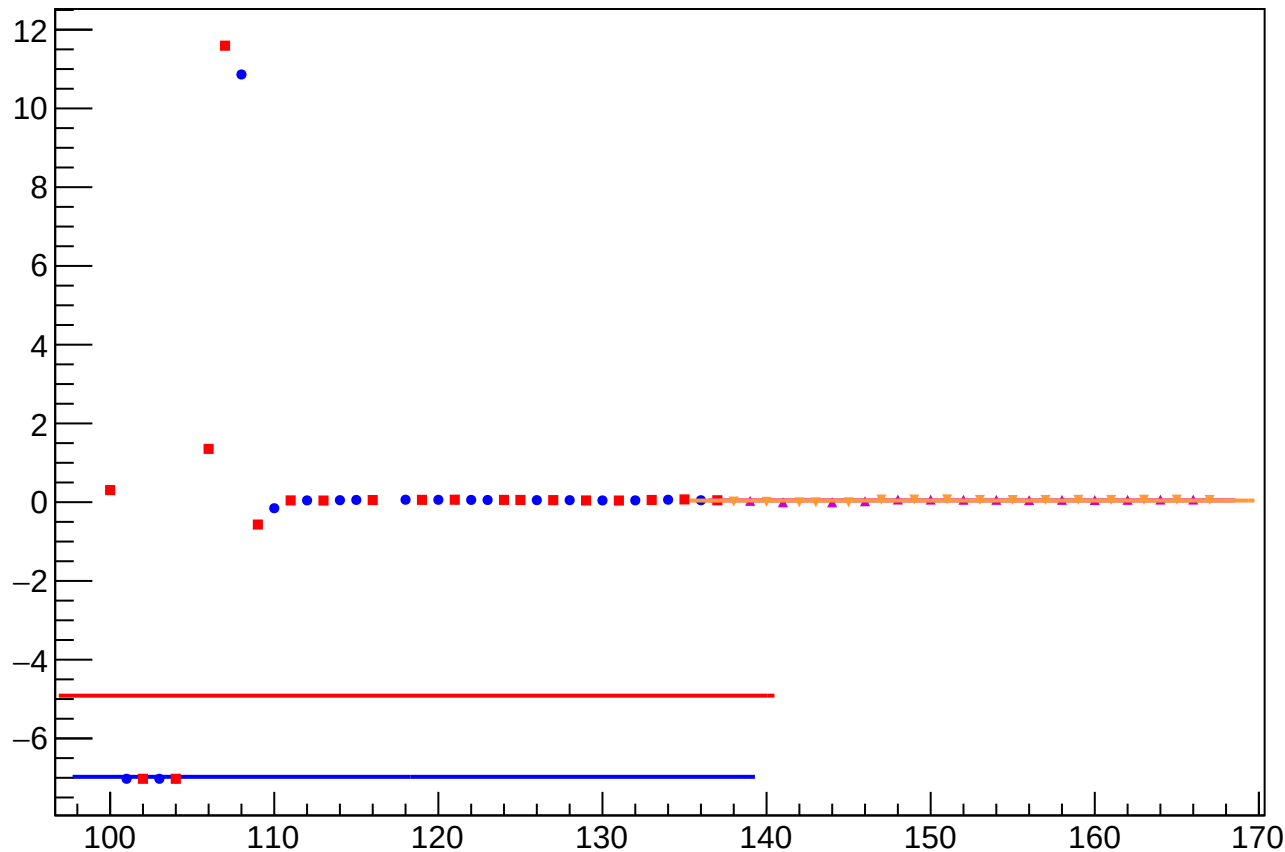
Right: 0.002+/-0.000 χ^2/NDF : 6440590.7/35

In: 0.001+/-0.000 χ^2/NDF : 4532629.7/30

Out: 0.001+/-0.000 χ^2/NDF : 5381186.1/34

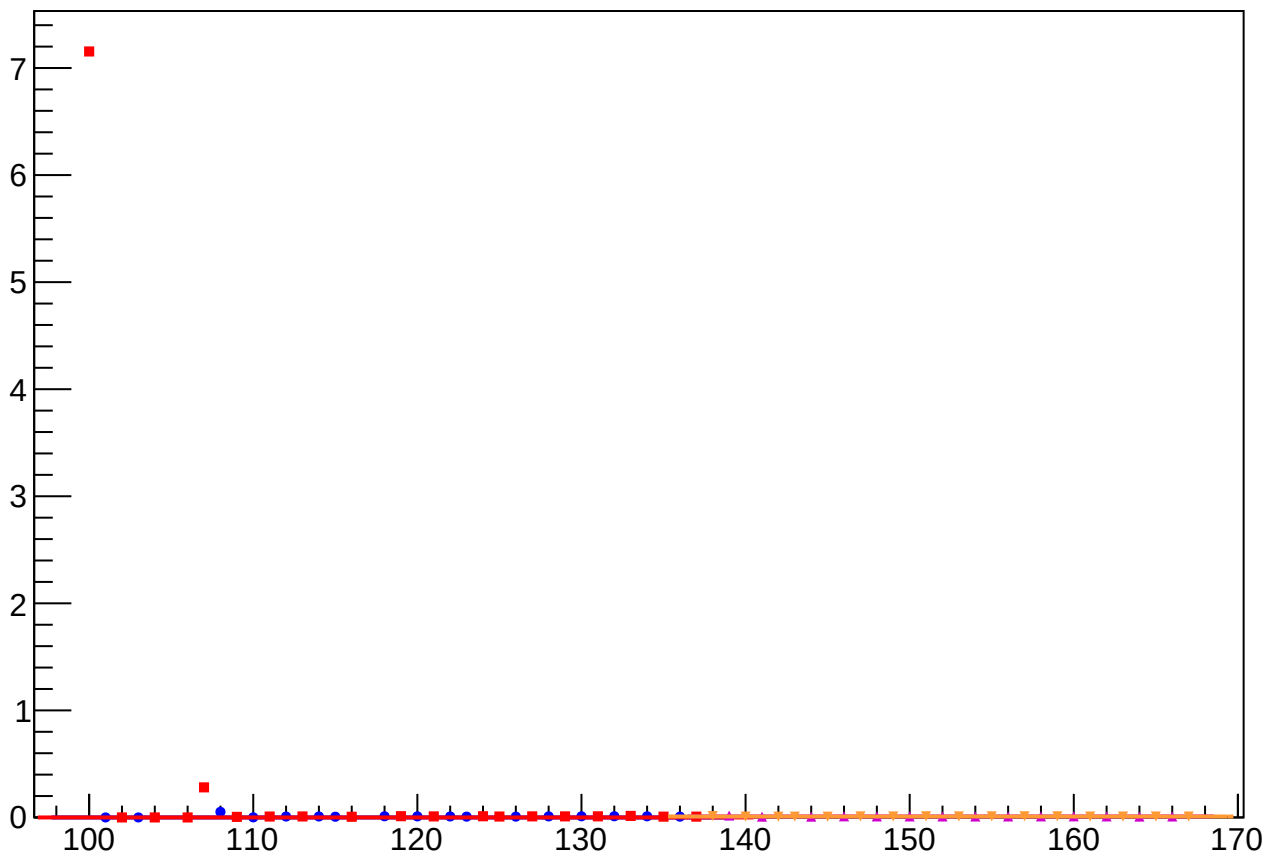
All: 0.001+/-0.000 χ^2/NDF : 9917690.5/65

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8749579700722.8/16$ Left: 0.043 ± 0.000 $\chi^2/\text{NDF}: 168264156.8/29$
 Left Out: 0.041 ± 0.000 $\chi^2/\text{NDF}: 94001481.2/15$ Right: -5.900 ± 0.000 $\chi^2/\text{NDF}: 430307691650468.6$
 Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365358092730279.9/18$ In: -6.947 ± 0.000 $\chi^2/\text{NDF}: 13674314985761.1/30$
 Left In: 0.046 ± 0.000 $\chi^2/\text{NDF}: 73308407.2/13$ Out: -4.893 ± 0.000 $\chi^2/\text{NDF}: 368235304053395.9/18$
 All: -5.875 ± 0.000 $\chi^2/\text{NDF}: 4379756008091.1/16$

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 419700.4/15

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF : 515104.0/13

Left: 0.009+/-0.000 χ^2/NDF : 948533.0/29

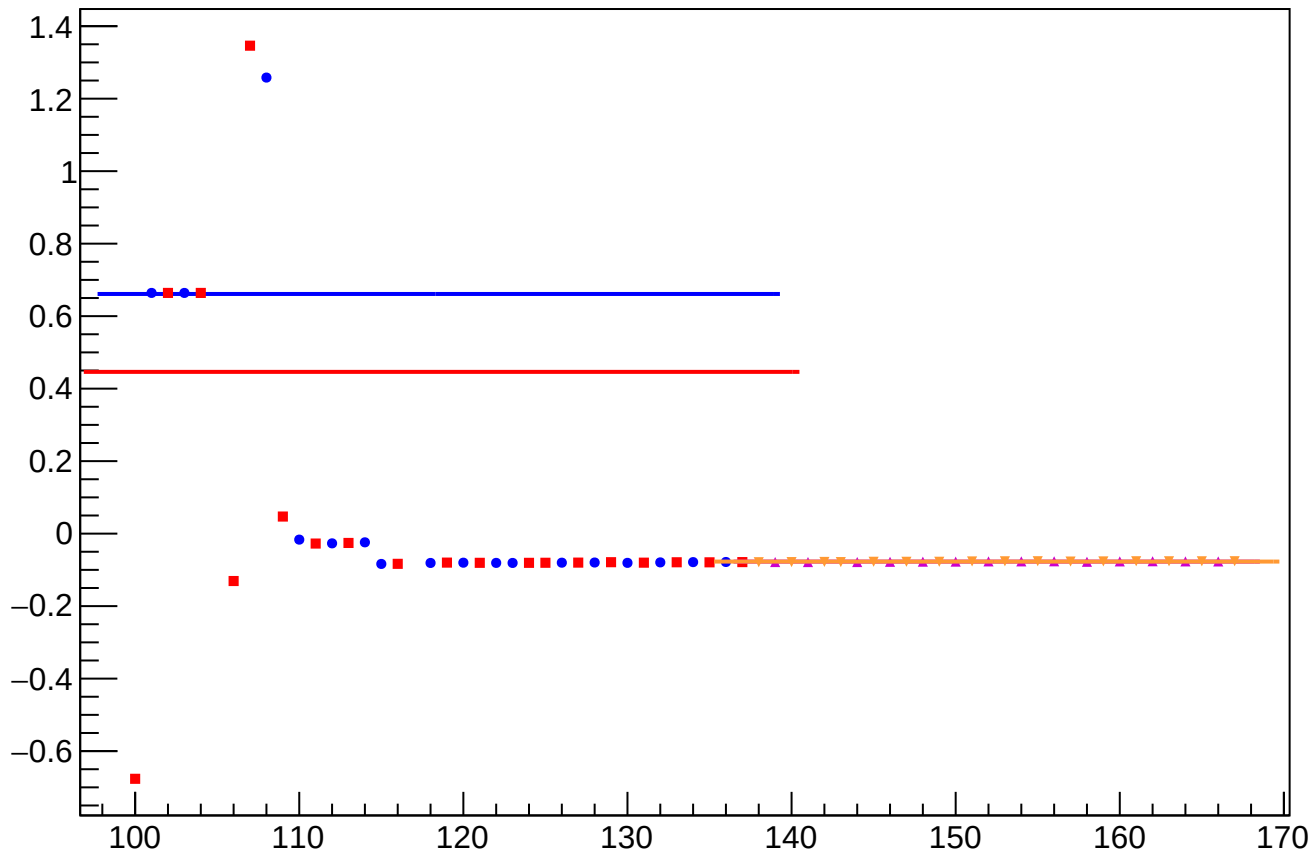
Right: 0.000+/-0.000 χ^2/NDF : 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF : 25448131.3/30

Out: 0.000+/-0.000 χ^2/NDF : 27287690.9/34

All: 0.000+/-0.000 χ^2/NDF : 52735937.0/65

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000

χ^2/NDF : 5607525081216.0/16

Left: -0.077+/-0.000

χ^2/NDF : 50065735.3/29

Left Out: -0.077+/-0.000

χ^2/NDF : 29978489.3/15

Right: 0.549+/-0.000

χ^2/NDF : 473947475230218.3

Right Out: 0.446+/-0.000

χ^2/NDF : 405416924315199.0/18

In: 0.652+/-0.000

χ^2/NDF : 22572289042129.9/30

Out: 0.440+/-0.000

χ^2/NDF : 414795878799580.0/3

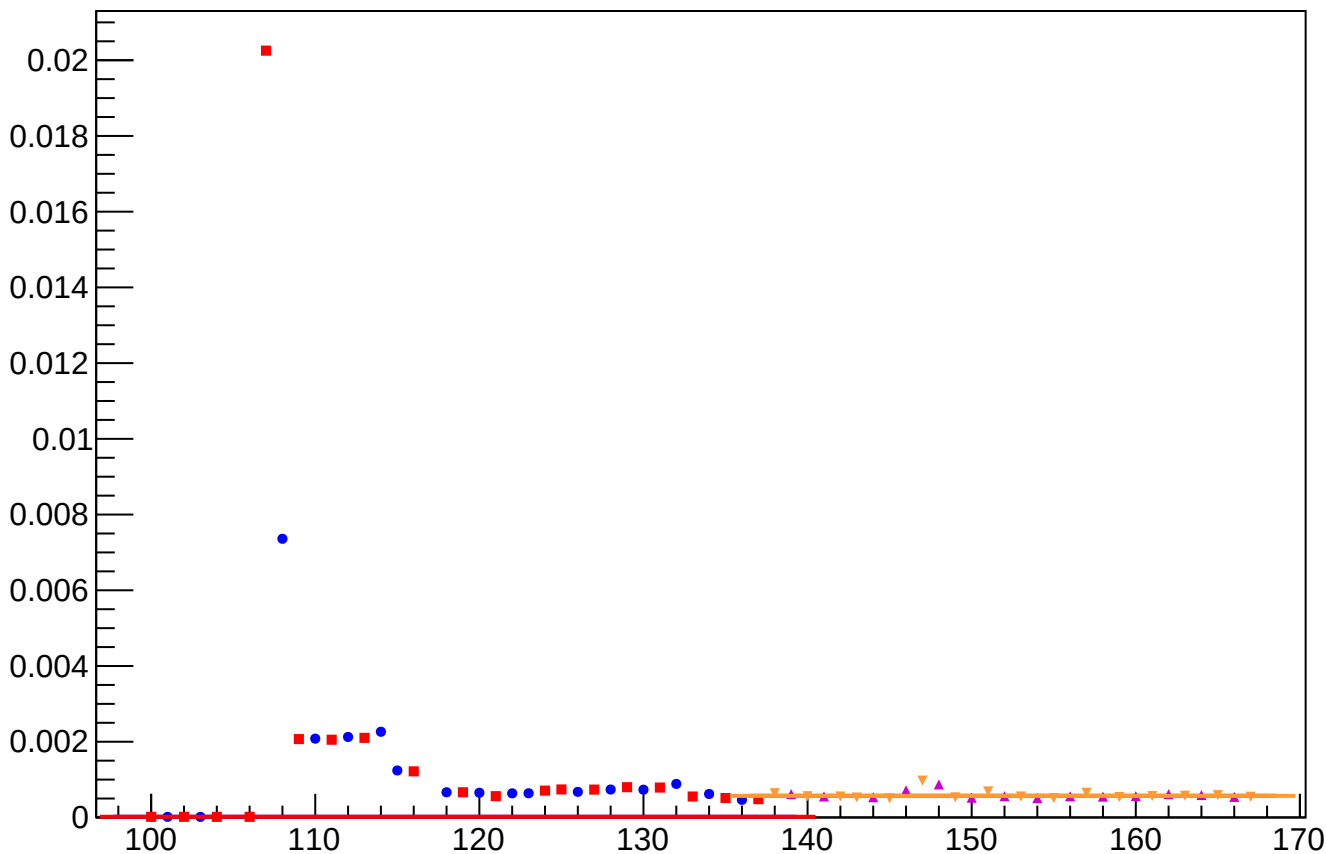
Left In: -0.077+/-0.000

χ^2/NDF : 19999985.9/13

All: 0.541+/-0.000

χ^2/NDF : 49956042282423

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 :315692.9/13

Left: 0.001 ± 0.000 χ^2/NDF : 726834.9/29

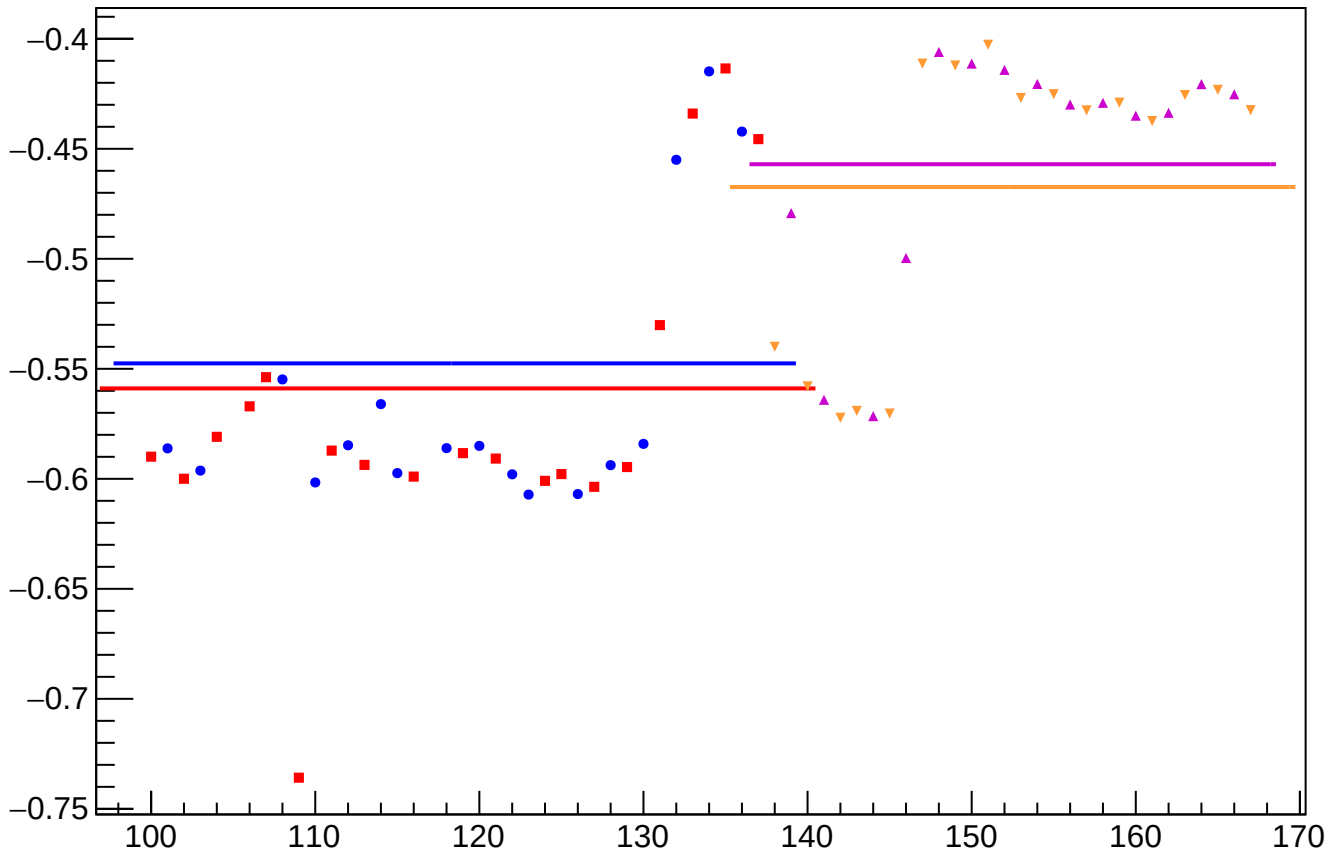
Right: 0.000+/-0.000 χ^2/NDF : 19354868.6/35

In: 0.000+/-0.000 χ^2/NDF :29312189.5/30

Out: 0.000+/-0.000 χ^2/NDF :30727886.9/34

All: 0.000+/-0.000 χ^2/NDF : 60040083.8/65

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: -0.457+/-0.000 χ^2/NDF : 72559064.4/13

Left: -0.463+/-0.000 χ^2/NDF : 175998139.4/29

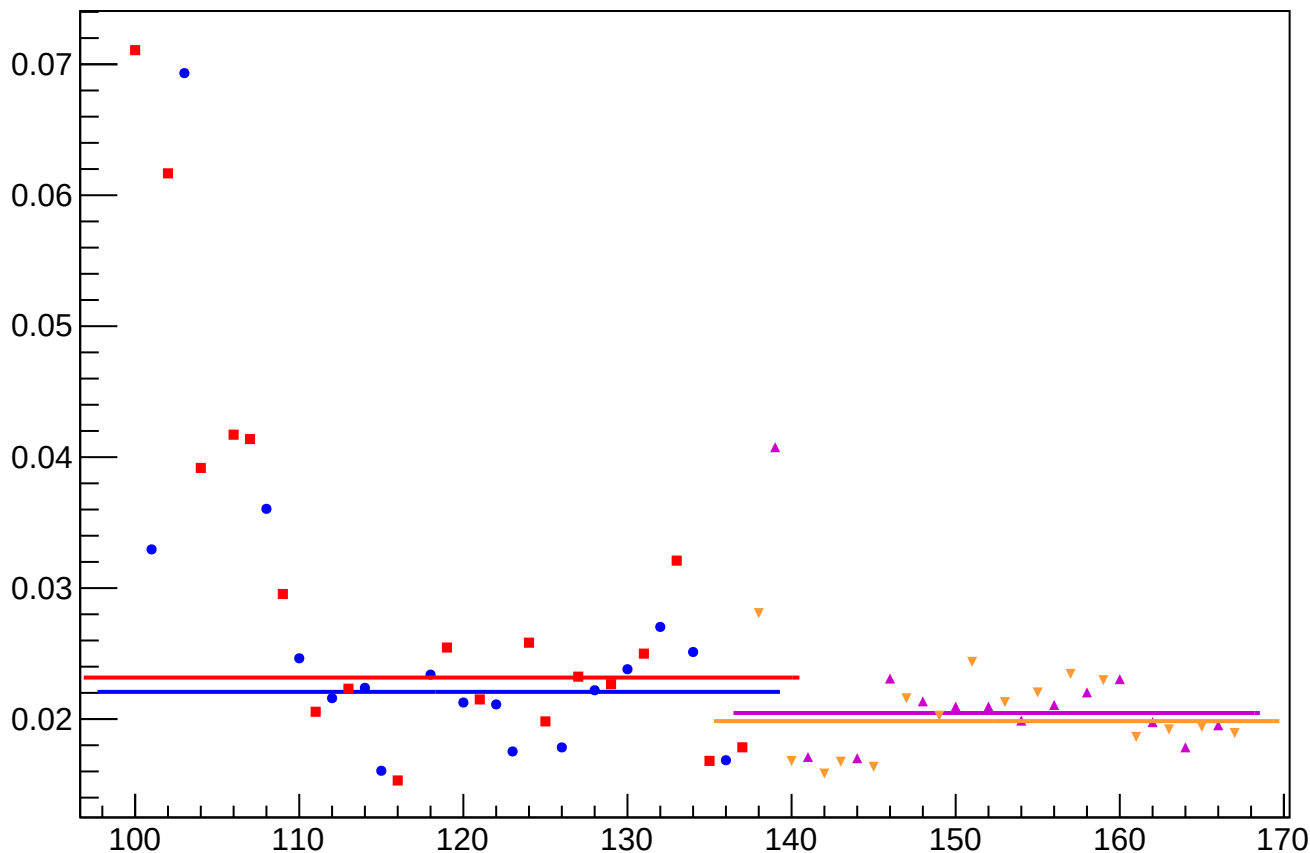
Right: -0.553+/-0.000 χ^2/NDF : 114532950.1/35

In: -0.487+/-0.000 χ^2/NDF : 177665491.5/30

Out: -0.494+/-0.000 χ^2/NDF : 226318825.2/34

All: -0.491+/-0.000 χ^2/NDF : 404785399.2/65

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 : 525340.6/13

Left: 0.020+/-0.000 χ^2/NDF : 930349.8/29

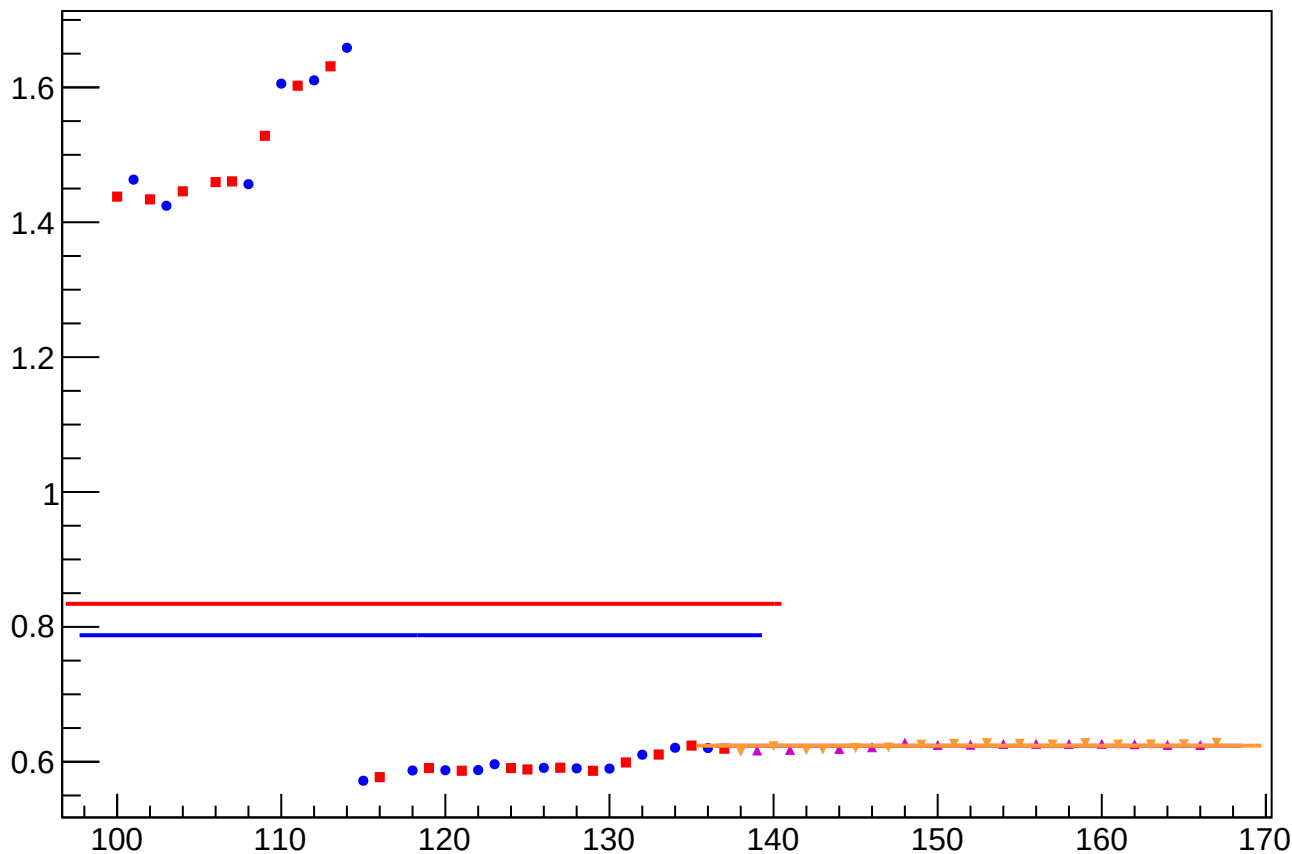
Right: 0.023+/-0.000 χ^2/NDF : 2123609.7/35

In: 0.021+/-0.000 χ^2/NDF : 1516067.8/30

Out: 0.021+/-0.000 χ^2/NDF : 1708181.4/34

All: 0.021+/-0.000 χ^2/NDF : 3225328.9/65

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:874280.1/13

Left: 0.624 $\pm$ 0.000 χ^2 /NDF: 2010555.9/29

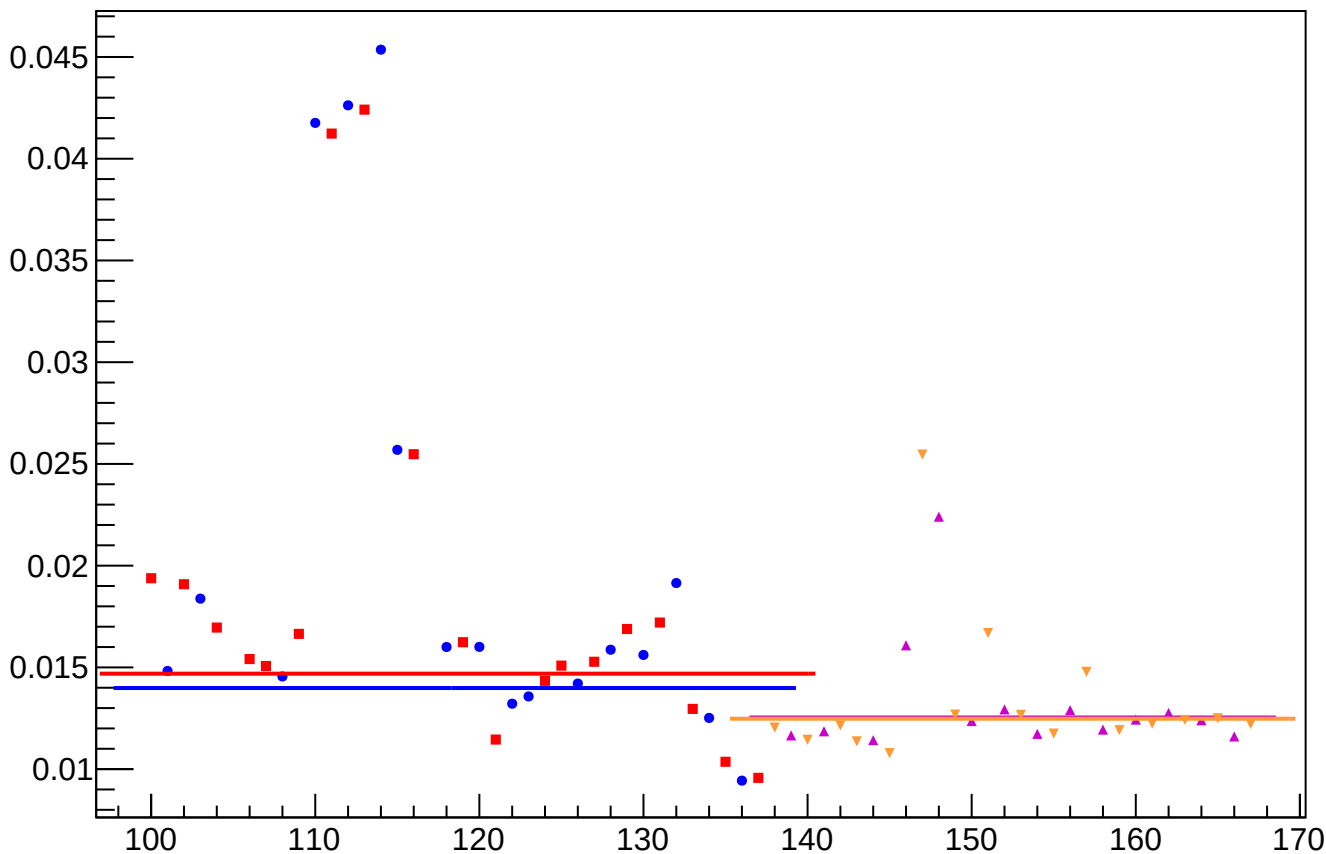
Right: 0.811 $\pm$ 0.000 χ^2 /NDF: 7764167044.9/35

In: 0.673 $\pm$ 0.000 χ^2 /NDF:4120485962.8/30

Out: 0.682 $\pm$ 0.000 χ^2 /NDF:5042563834.6/34

All: 0.678 $\pm$ 0.000 χ^2 /NDF: 9166911866.7/65

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF :589131.1/15

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1258511.3/18

Left In: 0.013 $\pm$ 0.000 χ^2/NDF :417343.3/13

Left: 0.013 $\pm$ 0.000 χ^2/NDF : 1006727.1/29

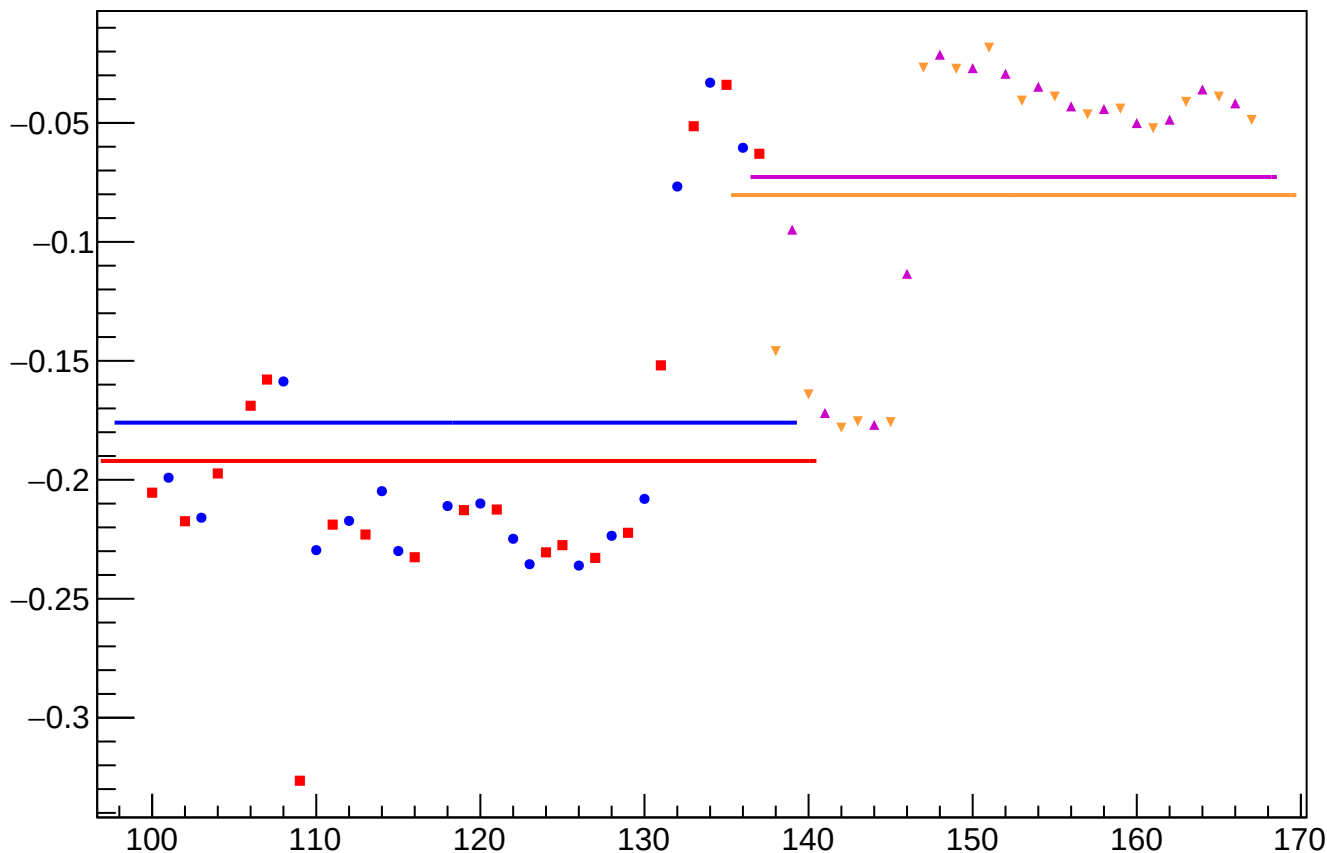
Right: 0.014 $\pm$ 0.000 χ^2/NDF : 2671110.0/35

In: 0.013 $\pm$ 0.000 χ^2/NDF :1899784.7/30

Out: 0.013 $\pm$ 0.000 χ^2/NDF :2044763.0/34

All: 0.013 $\pm$ 0.000 χ^2/NDF : 3945850.6/65

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: -0.073+/-0.000 χ^2/NDF : 72856129.3/13

Left: -0.077+/-0.000 χ^2/NDF : 171063539.7/29

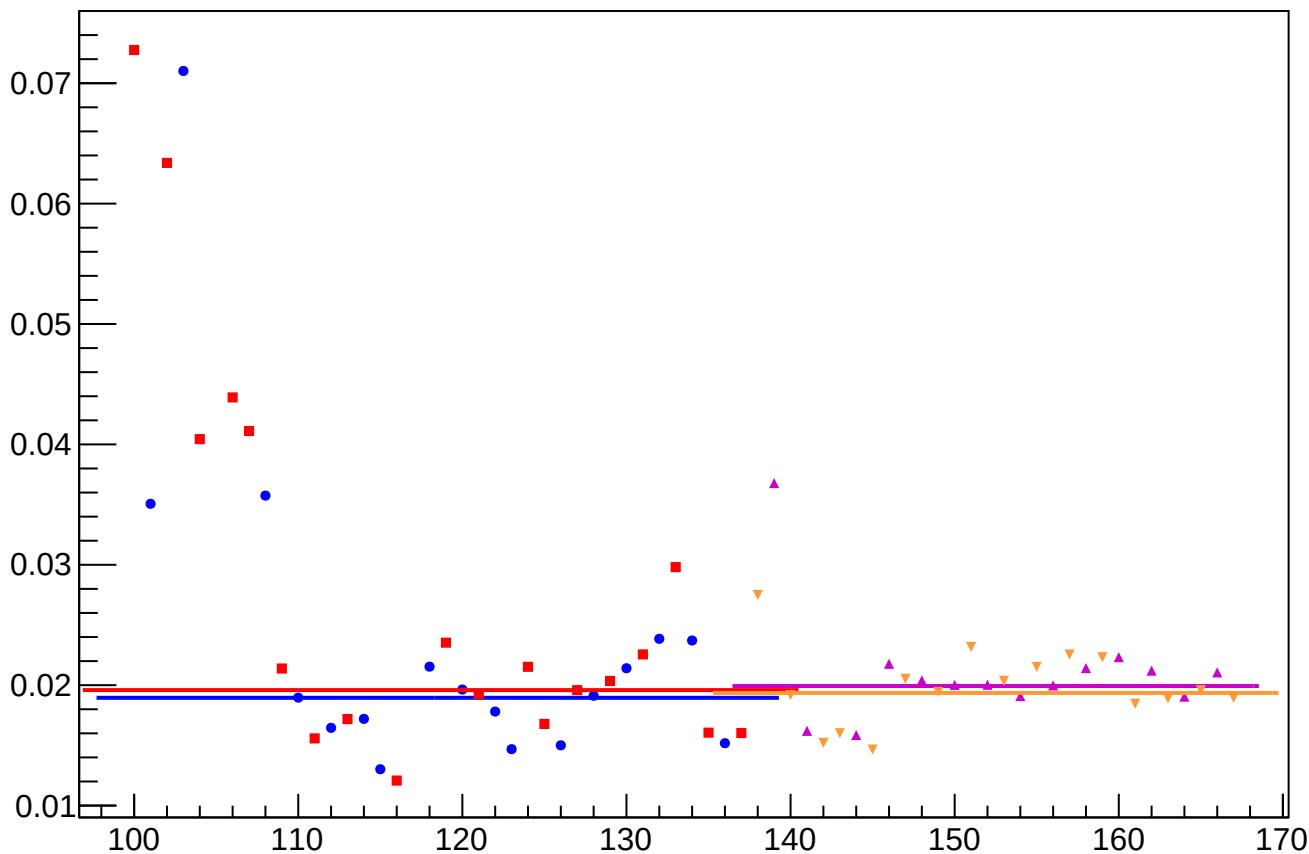
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.112+/-0.000 χ^2/NDF : 233415258.8/30

Out: -0.119+/-0.000 χ^2/NDF : 291034918.6/34

All: -0.116+/-0.000 χ^2/NDF : 525269018.8/65

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 : 493132.0/13

Left: 0.020+/-0.000 χ^2/NDF : 918706.3/29

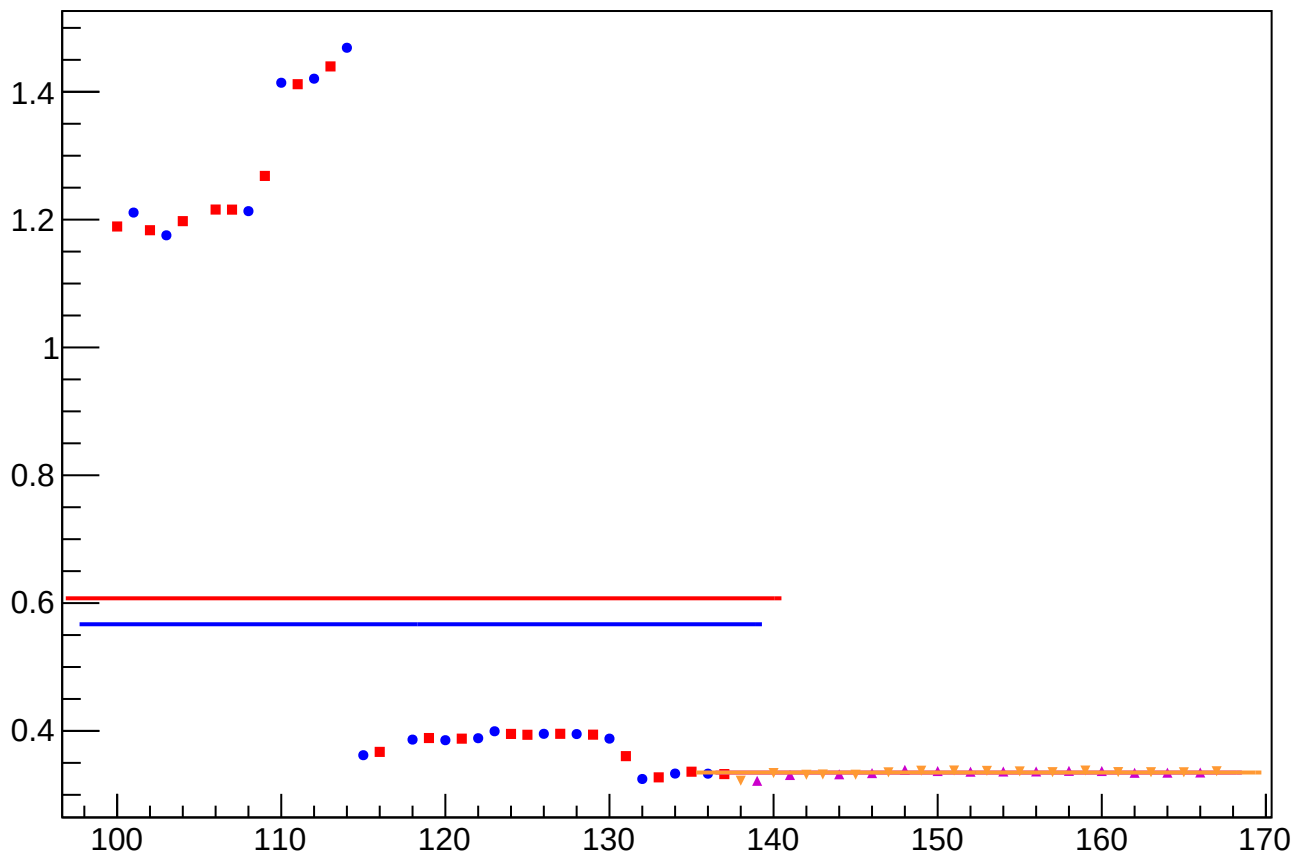
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.020+/-0.000 χ^2/NDF : 1712651.1/30

Out: 0.019+/-0.000 χ^2/NDF : 1874063.7/34

All: 0.019+/-0.000 χ^2/NDF : 3587228.5/65

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1093504.0/15

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1151098.7/13

Left: 0.335 $\pm$ 0.000 χ^2 /NDF: 2245151.9/29

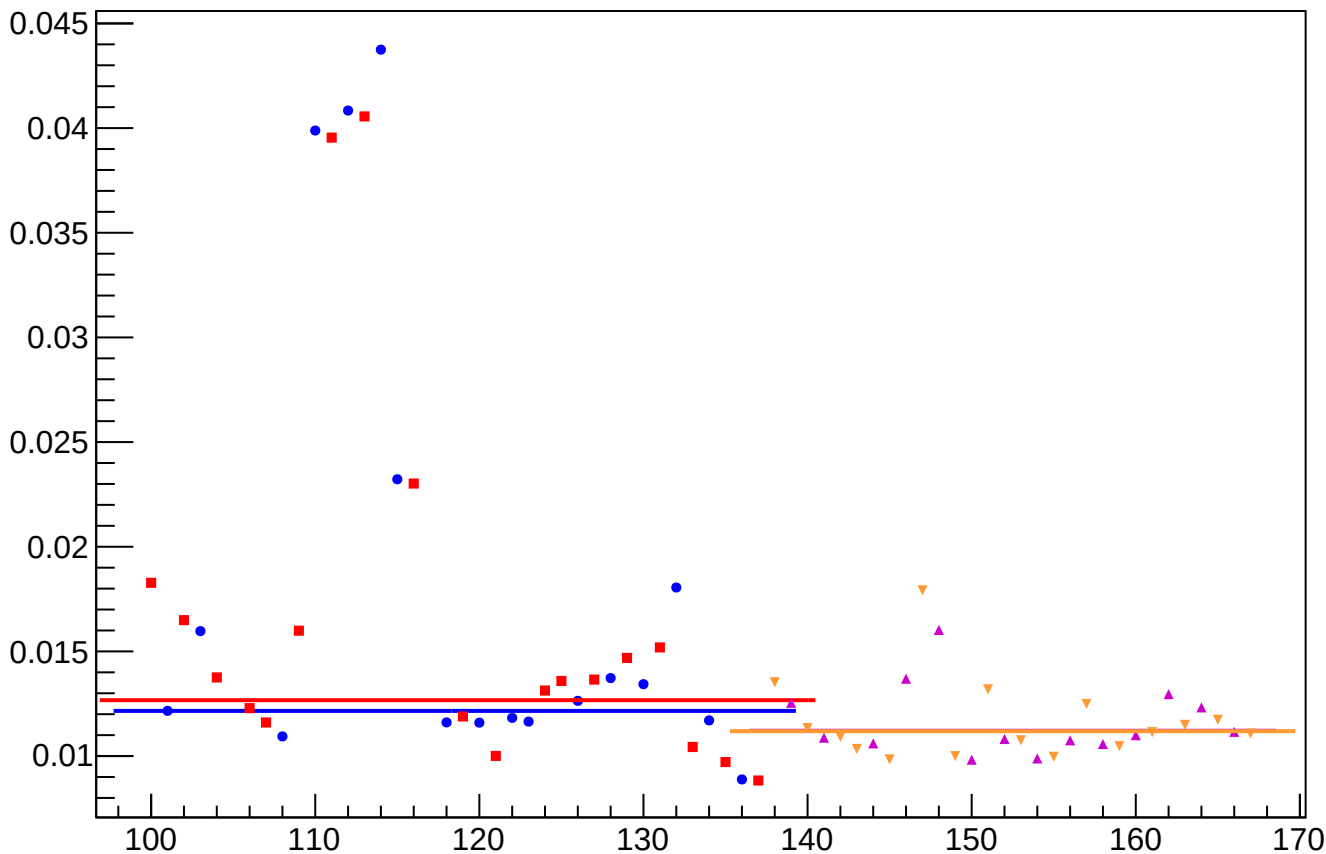
Right: 0.587 $\pm$ 0.000 χ^2 /NDF: 10552855690.4/35

In: 0.408 $\pm$ 0.000 χ^2 /NDF:6415070117.6/30

Out: 0.414 $\pm$ 0.000 χ^2 /NDF:7441064791.1/34

All: 0.411 $\pm$ 0.000 χ^2 /NDF: 13858212607.6/68

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:321521.8/13

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 720360.3/29

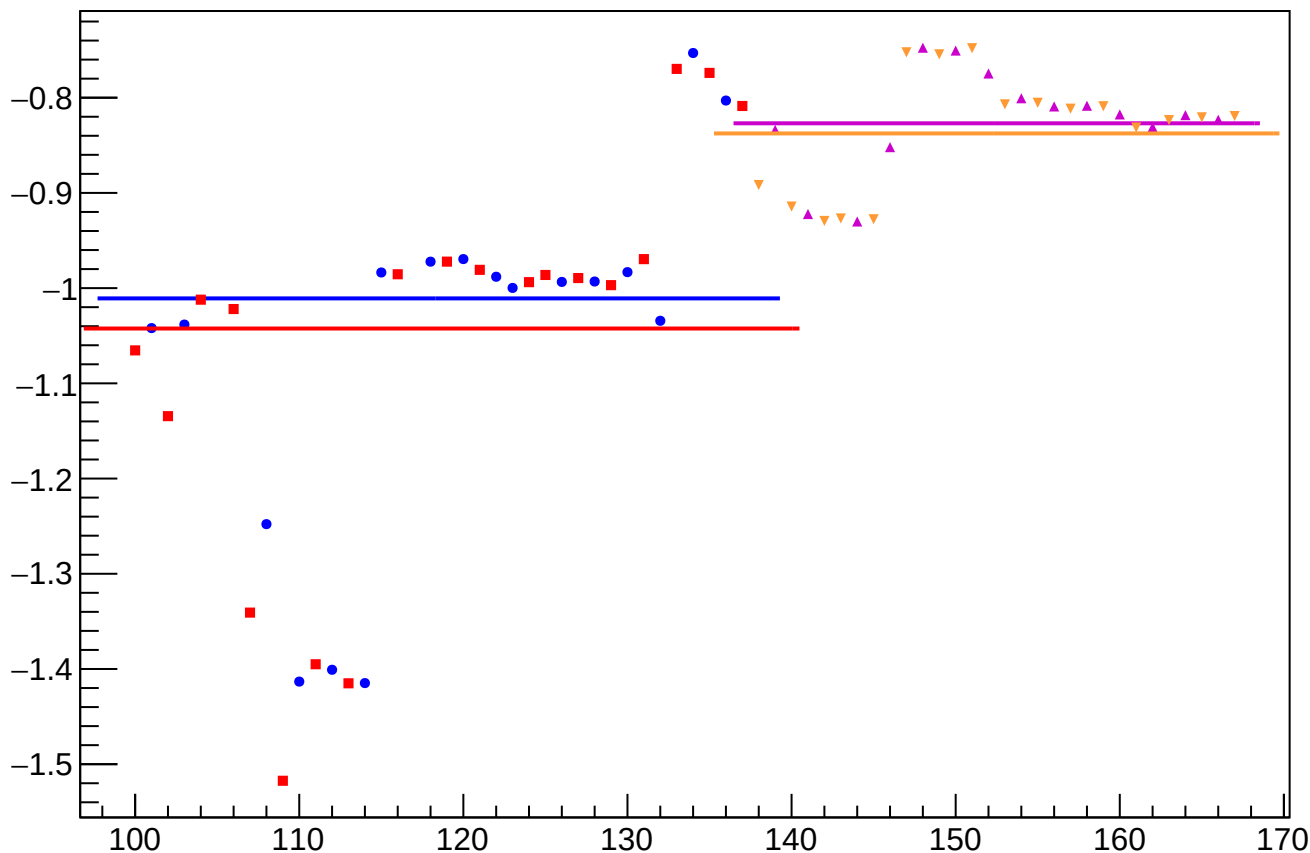
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2584926.4/35

In: 0.012 $\pm$ 0.000 χ^2 /NDF:1676198.0/30

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1780100.1/34

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3457788.2/65

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: -0.827+/-0.000 χ^2/NDF : 70172114.0/13

Left: -0.833+/-0.000 χ^2/NDF : 164948034.7/29

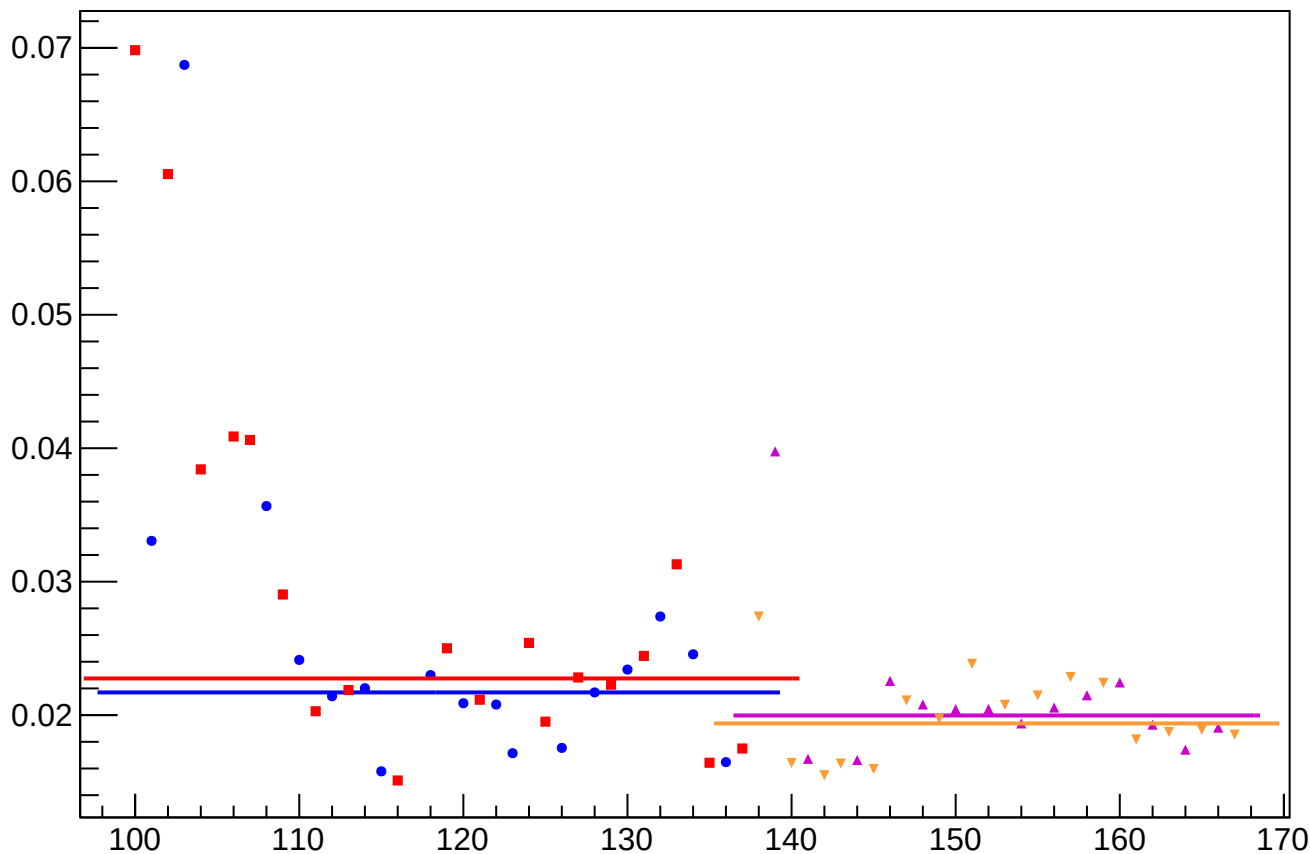
Right: -1.026+/-0.000 χ^2/NDF : 921337924.7/35

In: -0.887+/-0.000 χ^2/NDF : 699824925.9/30

Out: -0.897+/-0.000 χ^2/NDF : 928197988.8/34

All: -0.892+/-0.000 χ^2/NDF : 1629553426.6/6

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 394317.1/15

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

Left In: 0.020+/-0.000 χ^2/NDF : 522241.0/13

Left: 0.020+/-0.000 χ^2/NDF : 924896.1/29

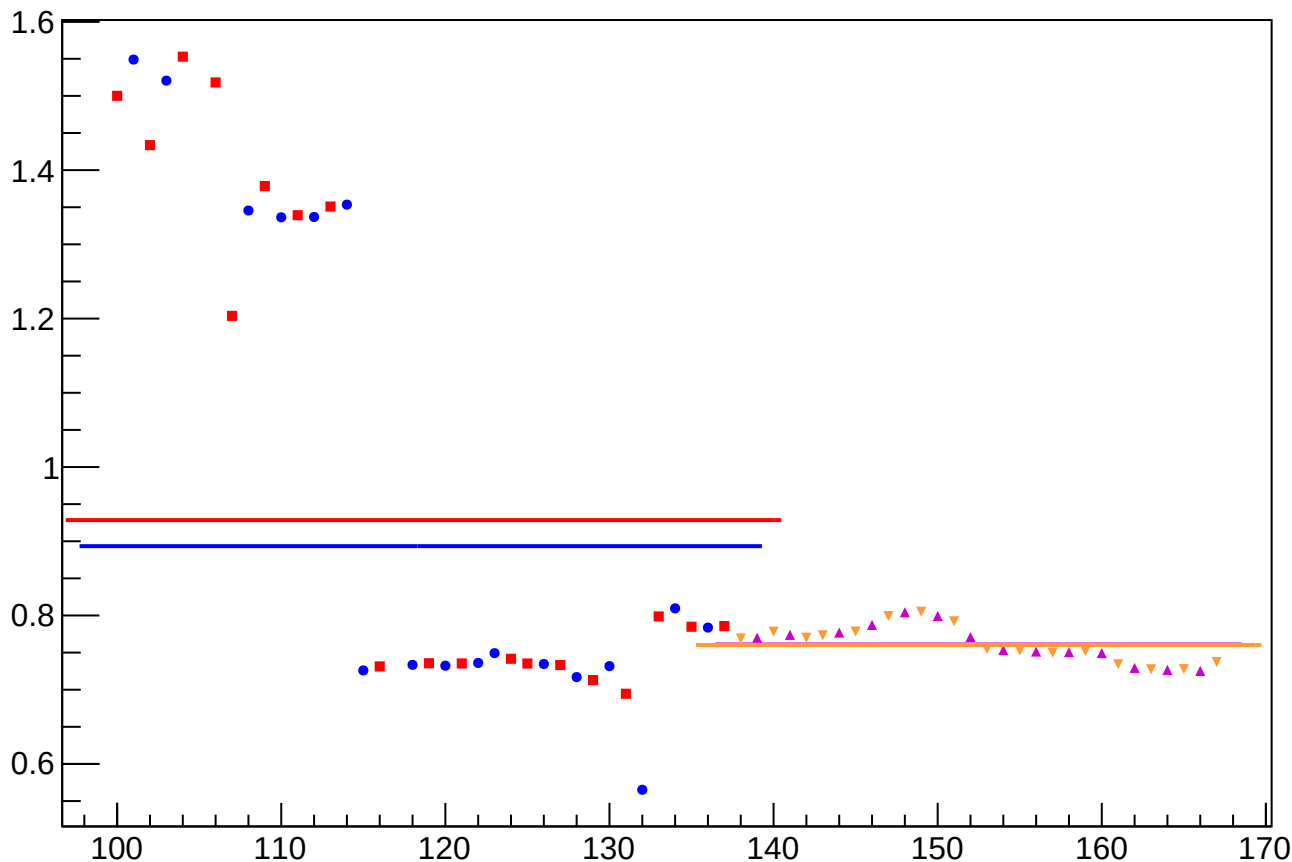
Right: 0.022+/-0.000 χ^2/NDF : 2143091.8/35

In: 0.021+/-0.000 χ^2/NDF : 1544331.9/30

Out: 0.020+/-0.000 χ^2/NDF : 1712261.3/34

All: 0.020+/-0.000 χ^2/NDF : 3257799.9/65

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 : 32516732.4/13

Left: 0.761+/-0.000 χ^2/NDF : 68977573.9/29

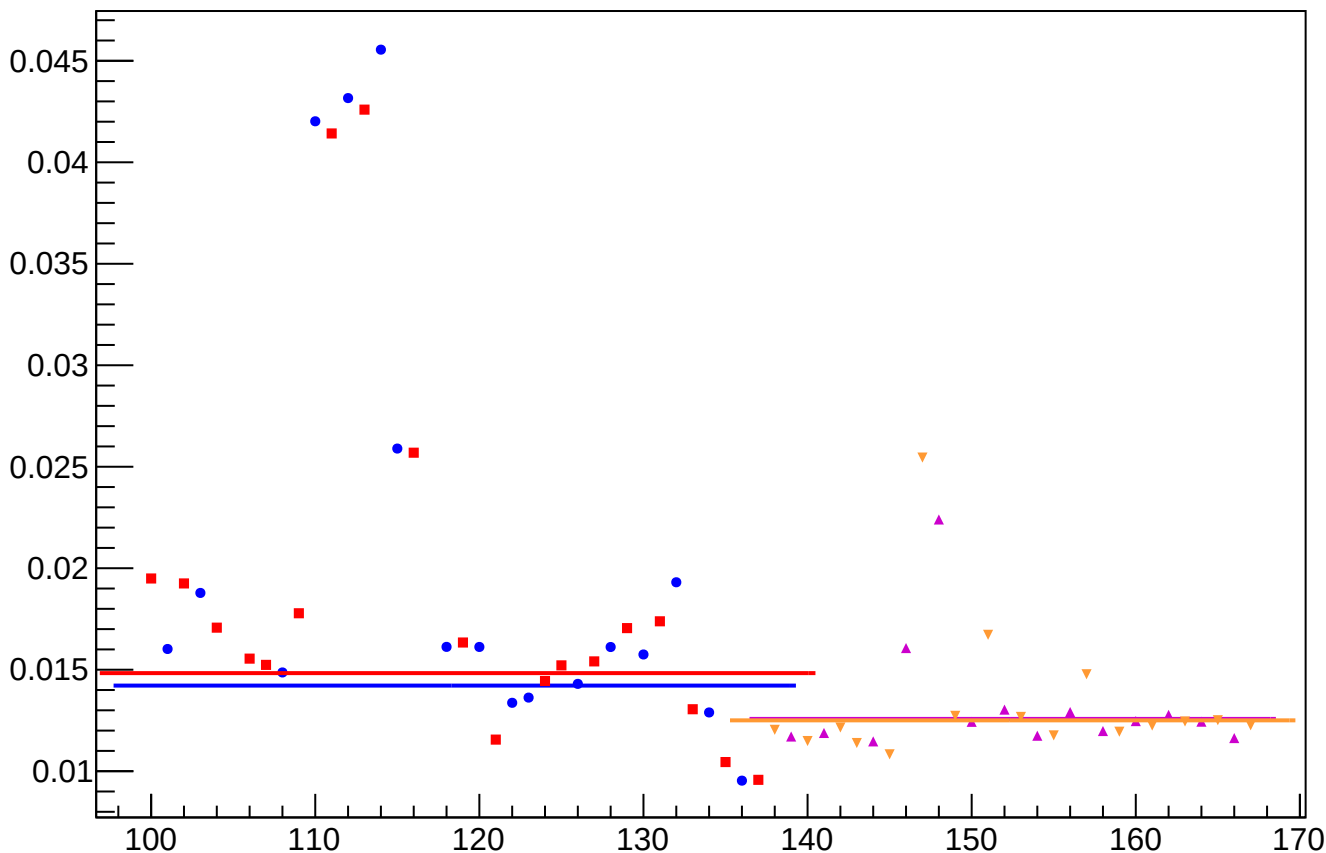
Right: 0.911+/-0.000 χ^2/NDF : 4860512064.2/35

In: 0.800+/-0.000 χ^2/NDF : 2781778781.4/30

Out: 0.806+/-0.000 χ^2/NDF : 3030524807.4/34

All: 0.803+/-0.000 χ^2/NDF : 5814135628.0/65

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF :584464.0/15

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1269559.2/18

Left In: 0.013 $\pm$ 0.000 χ^2/NDF :413105.6/13

Left: 0.013 $\pm$ 0.000 χ^2/NDF : 997917.2/29

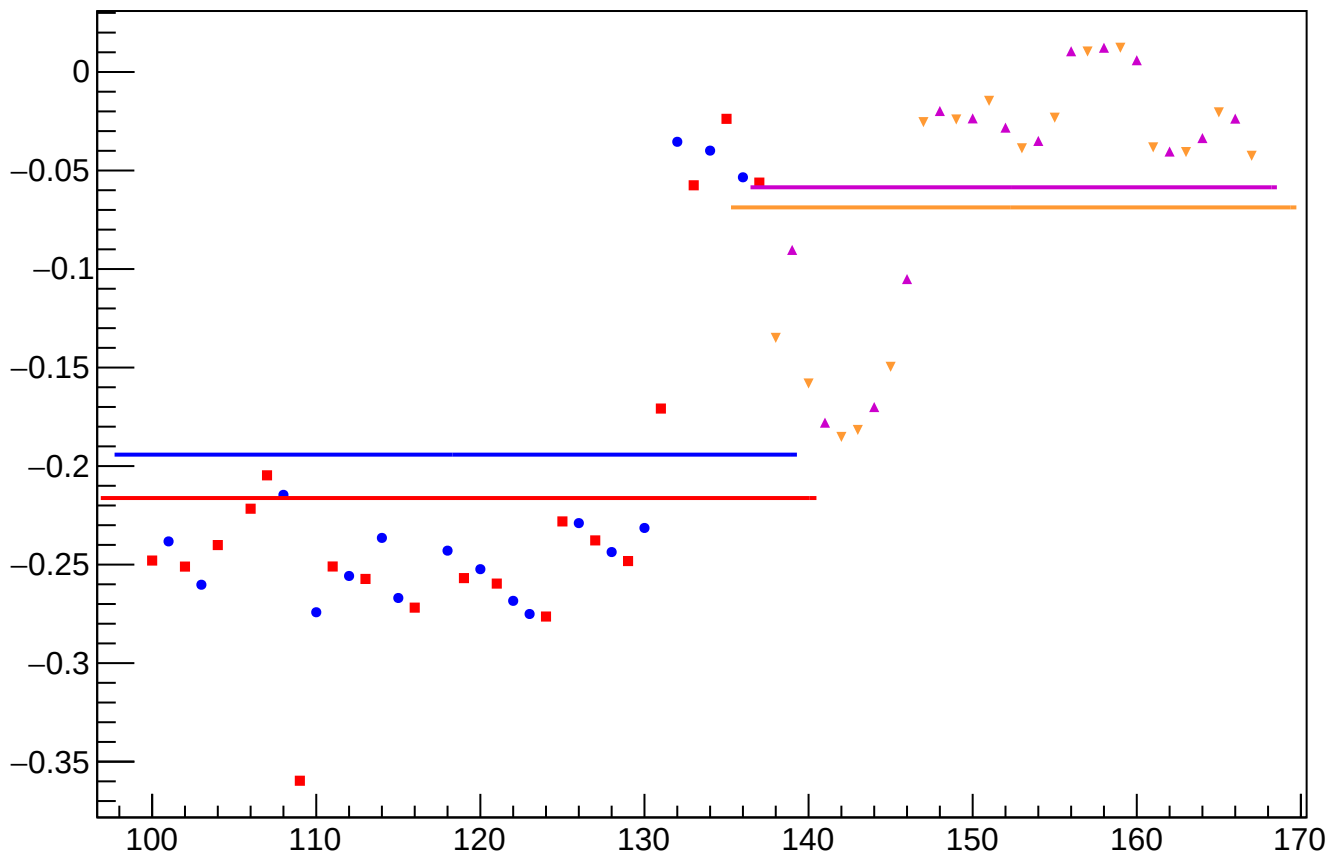
Right: 0.015 $\pm$ 0.000 χ^2/NDF : 2689500.8/35

In: 0.013 $\pm$ 0.000 χ^2/NDF :1927535.9/30

Out: 0.013 $\pm$ 0.000 χ^2/NDF :2067847.8/34

All: 0.013 $\pm$ 0.000 χ^2/NDF : 3996000.9/65

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194 $\pm$ 0.000 χ^2 /NDF: 108425823.4/16

Left Out: -0.069 $\pm$ 0.000 χ^2 /NDF: 114547777.4/15

Right Out: -0.216 $\pm$ 0.000 χ^2 /NDF: 111036295.0/18

Left In: -0.059 $\pm$ 0.000 χ^2 /NDF: 96694987.1/13

Left: -0.064 $\pm$ 0.000 χ^2 /NDF: 212476499.7/29

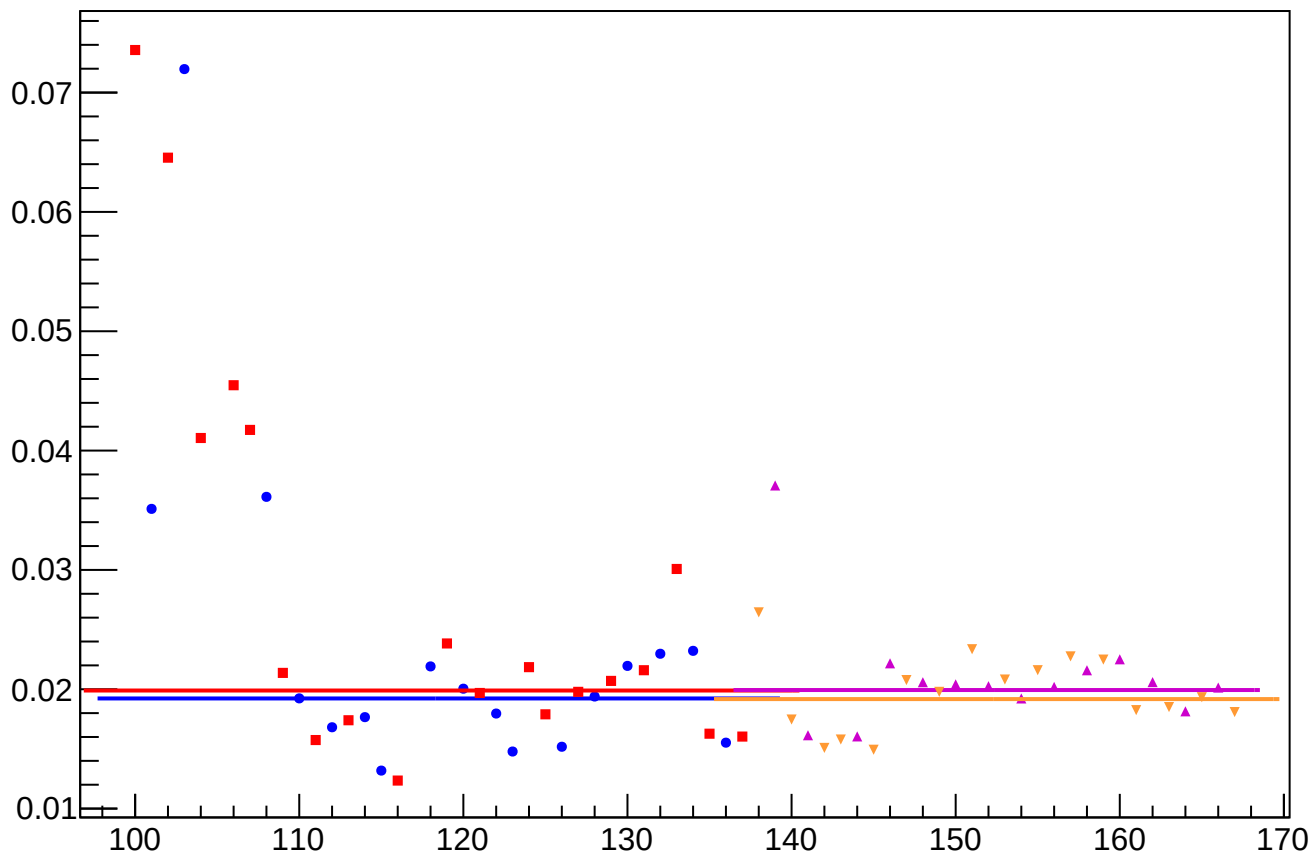
Right: -0.205 $\pm$ 0.000 χ^2 /NDF: 222671892.3/35

In: -0.110 $\pm$ 0.000 χ^2 /NDF: 358237734.5/30

Out: -0.118 $\pm$ 0.000 χ^2 /NDF: 414339275.8/34

All: -0.114 $\pm$ 0.000 χ^2 /NDF: 773866419.2/65

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 : 501253.7/13

Left: 0.020+/-0.000 χ^2/NDF : 940680.9/29

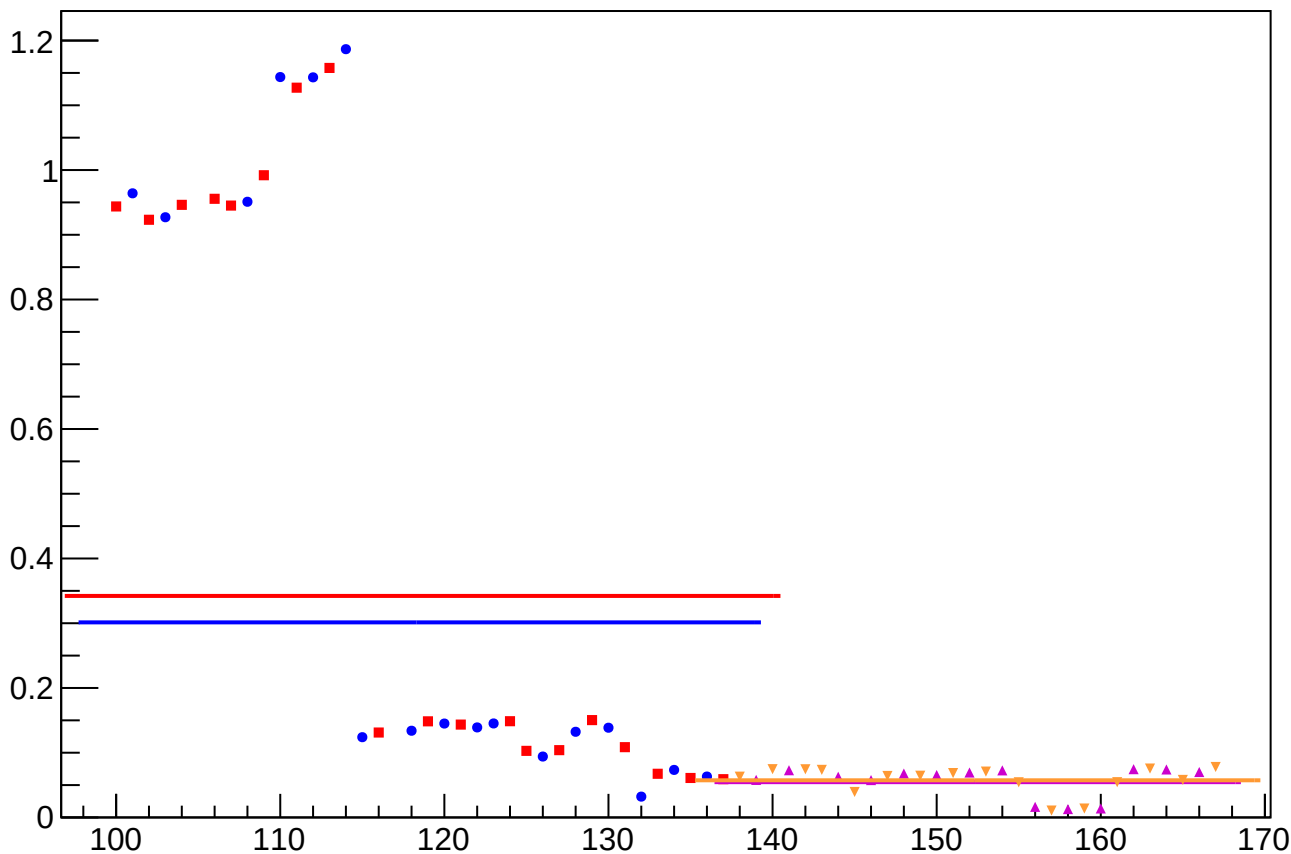
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.020+/-0.000 χ^2/NDF : 1684109.6/30

Out: 0.019+/-0.000 χ^2/NDF : 1879187.8/34

All: 0.020+/-0.000 χ^2/NDF : 3565600.1/65

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: 0.055+/-0.000 χ^2/NDF : 48439003.2/13

Left: 0.056+/-0.000 χ^2/NDF : 89121508.8/29

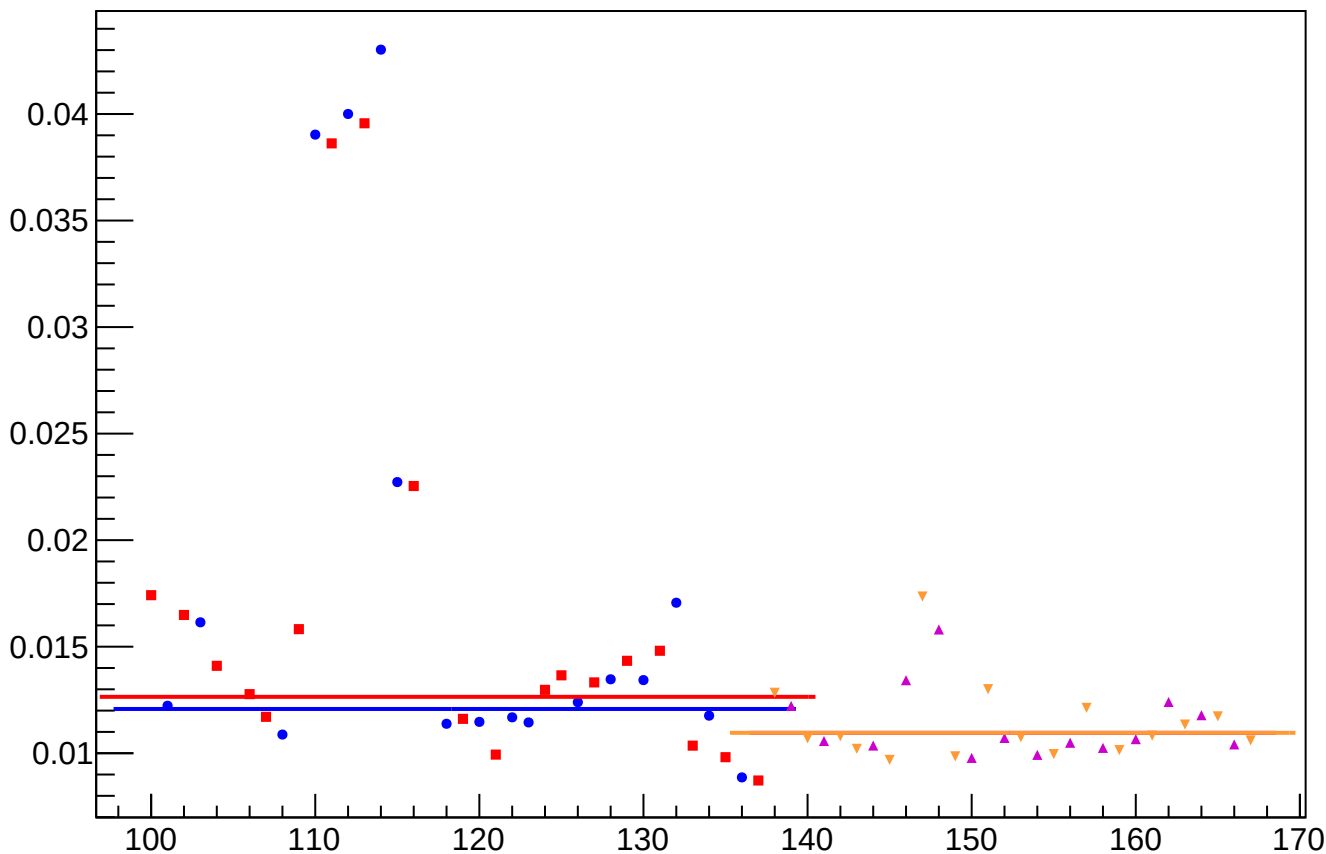
Right: 0.321+/-0.000 χ^2/NDF : 10628899850.1/35

In: 0.131+/-0.000 χ^2/NDF : 6820880797.0/30

Out: 0.137+/-0.000 χ^2/NDF : 7627864187.4/34

All: 0.134+/-0.000 χ^2/NDF : 14451599442.2/66

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:301582.5/13

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 673437.1/29

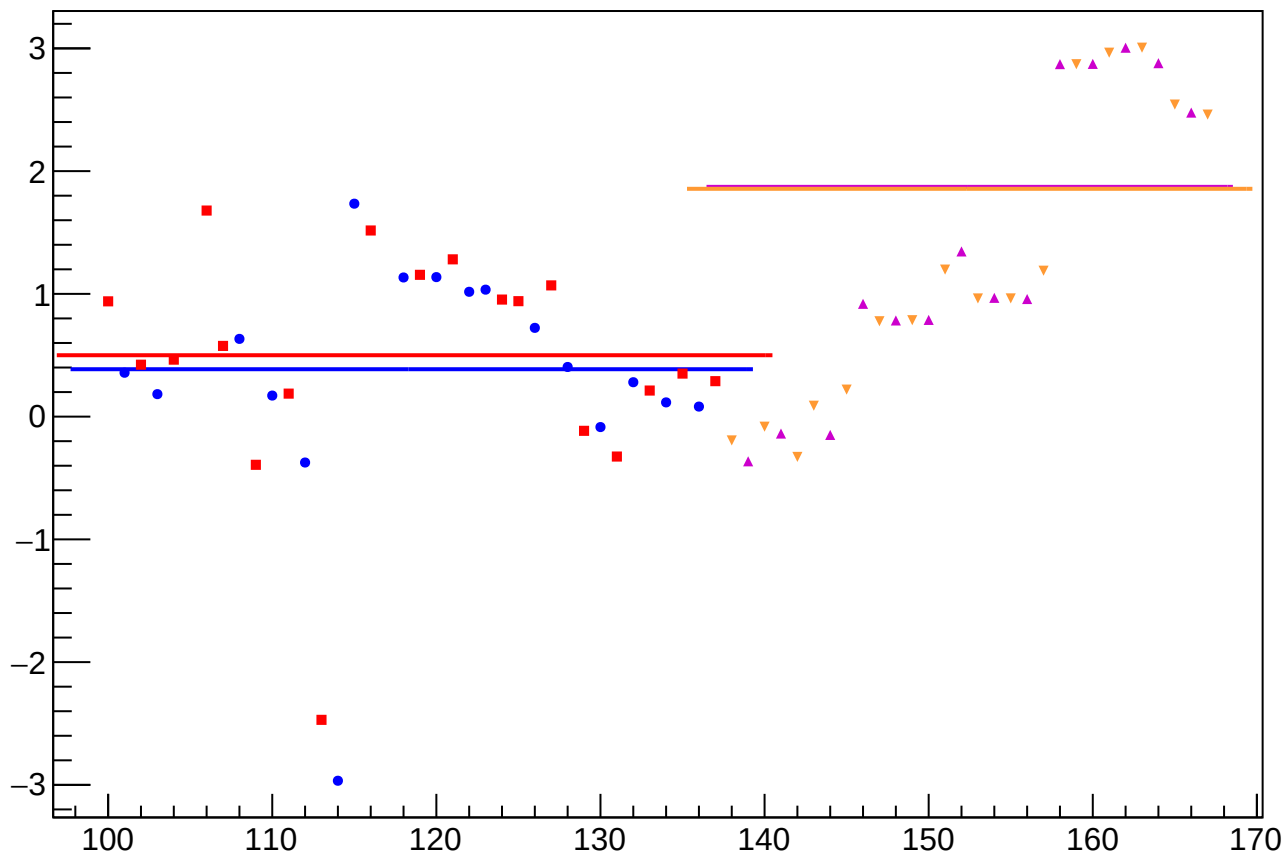
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2528646.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:1648720.9/30

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1758889.7/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3409786.8/65

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 $\pm$ 0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.856 $\pm$ 0.000 χ^2/NDF :26346047214.0/15

Right Out: 0.500 $\pm$ 0.000 χ^2/NDF : 983386658.7/18

Left In: 1.872 $\pm$ 0.000 χ^2/NDF :27058462225.0/13

Left: 1.864 $\pm$ 0.000 χ^2/NDF : 53408072594.3/29

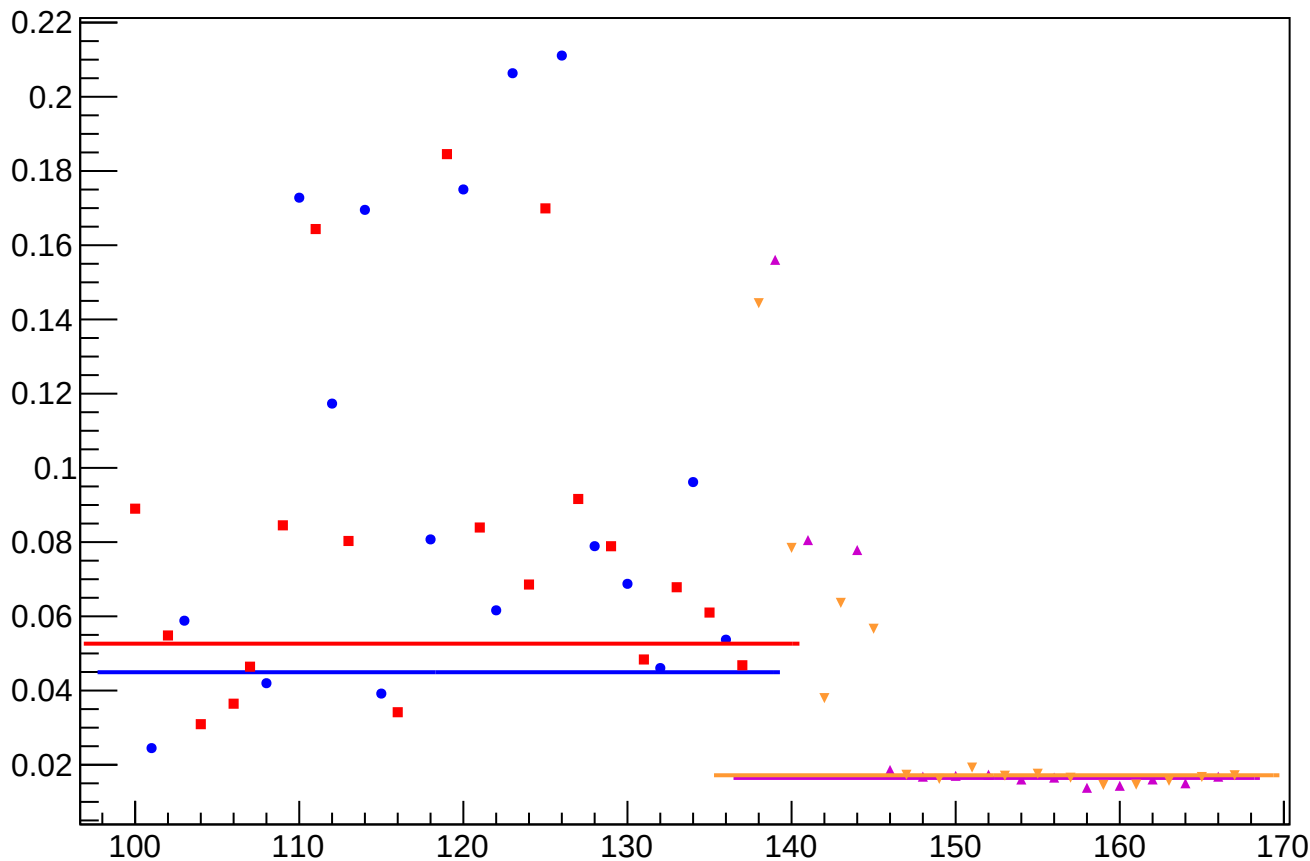
Right: 0.439 $\pm$ 0.000 χ^2/NDF : 1240216918.3/35

In: 1.786 $\pm$ 0.000 χ^2/NDF :30939631155.3/30

Out: 1.788 $\pm$ 0.000 χ^2/NDF :29928947614.6/34

All: 1.787 $\pm$ 0.000 χ^2/NDF : 60868642660.4/6

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: 0.016+/-0.000 χ^2/NDF : 2402137.7/13

Left: 0.017+/-0.000 χ^2/NDF : 5150214.4/29

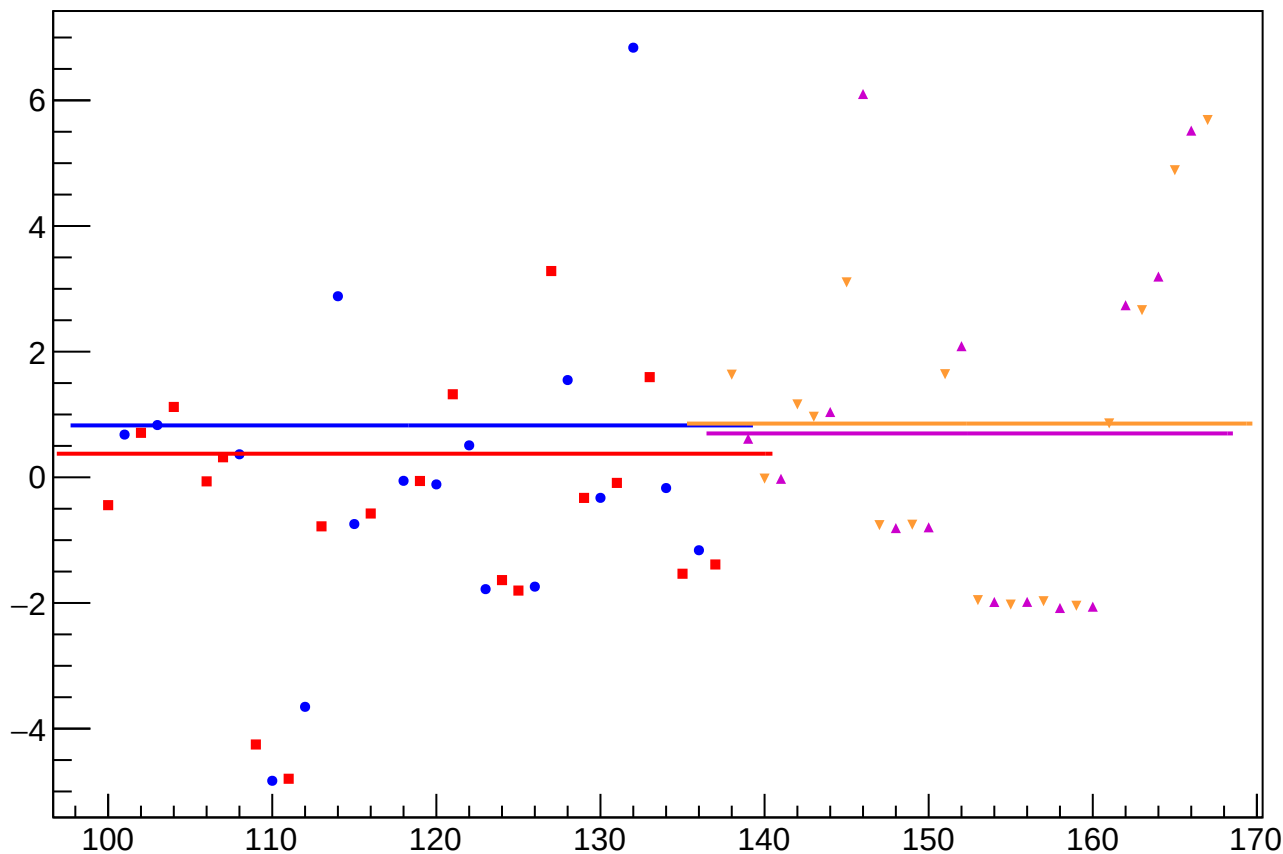
Right: 0.048+/-0.000 χ^2/NDF : 5075265.3/35

In: 0.018+/-0.000 χ^2/NDF : 7862374.1/30

Out: 0.019+/-0.000 χ^2/NDF : 8481333.3/34

All: 0.019+/-0.000 χ^2/NDF : 16365277.5/65

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000

χ^2/NDF : 10945455664.9/16

Left: 0.778+/-0.000

χ^2/NDF : 753591675535.7/29

Left Out: 0.855+/-0.000

χ^2/NDF : 361488340124.3/15

Right: 0.614+/-0.000

χ^2/NDF : 16267855103.5/35

Right Out: 0.376+/-0.000

χ^2/NDF : 4947158634.2/18

In: 0.709+/-0.000

χ^2/NDF : 402548135367.6/30

Out: 0.822+/-0.000

χ^2/NDF : 367182352187.3/34

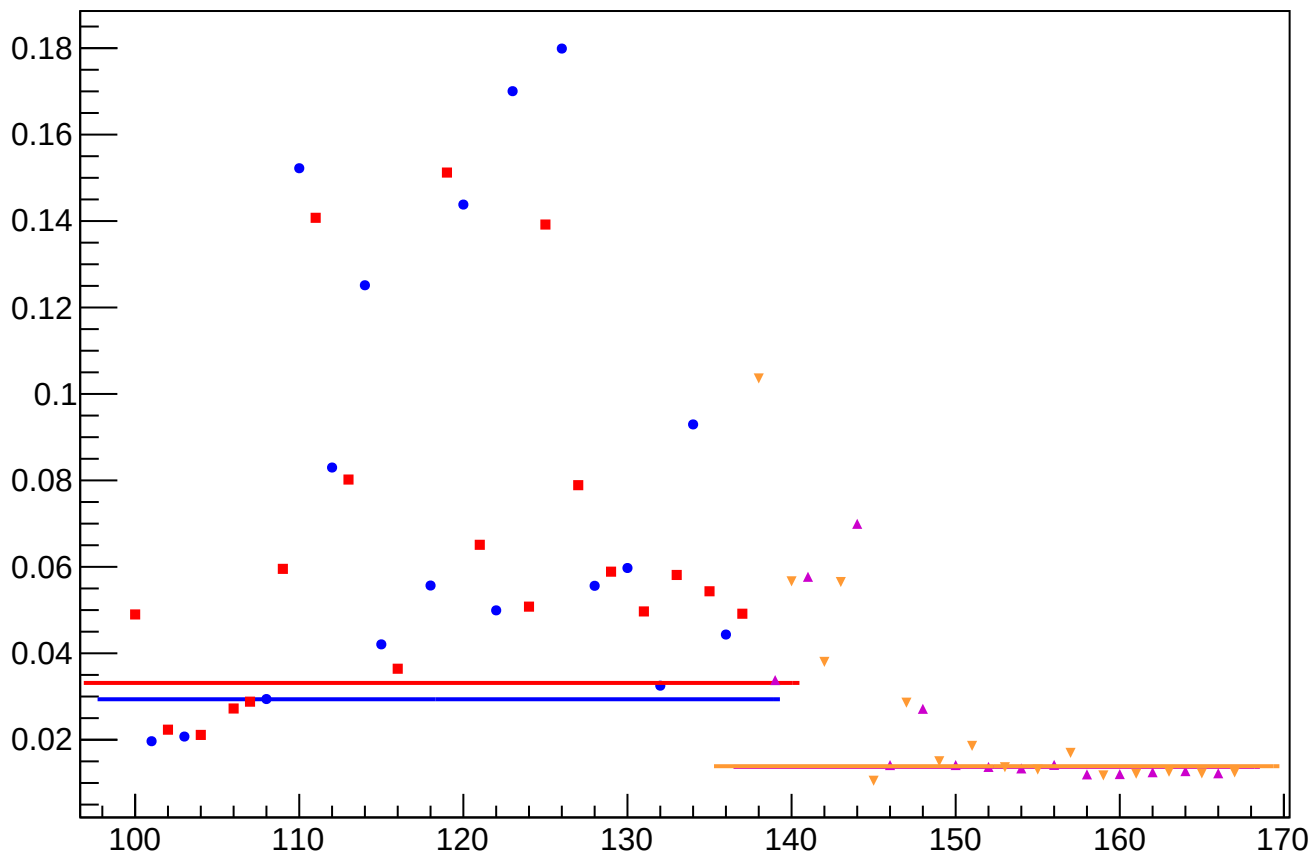
Left In: 0.698+/-0.000

χ^2/NDF : 391543637182.2/13

All: 0.766+/-0.000

χ^2/NDF : 770043233055.2

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 :1881002.9/13

Left: 0.014+/-0.000 χ^2/NDF : 4717730.3/29

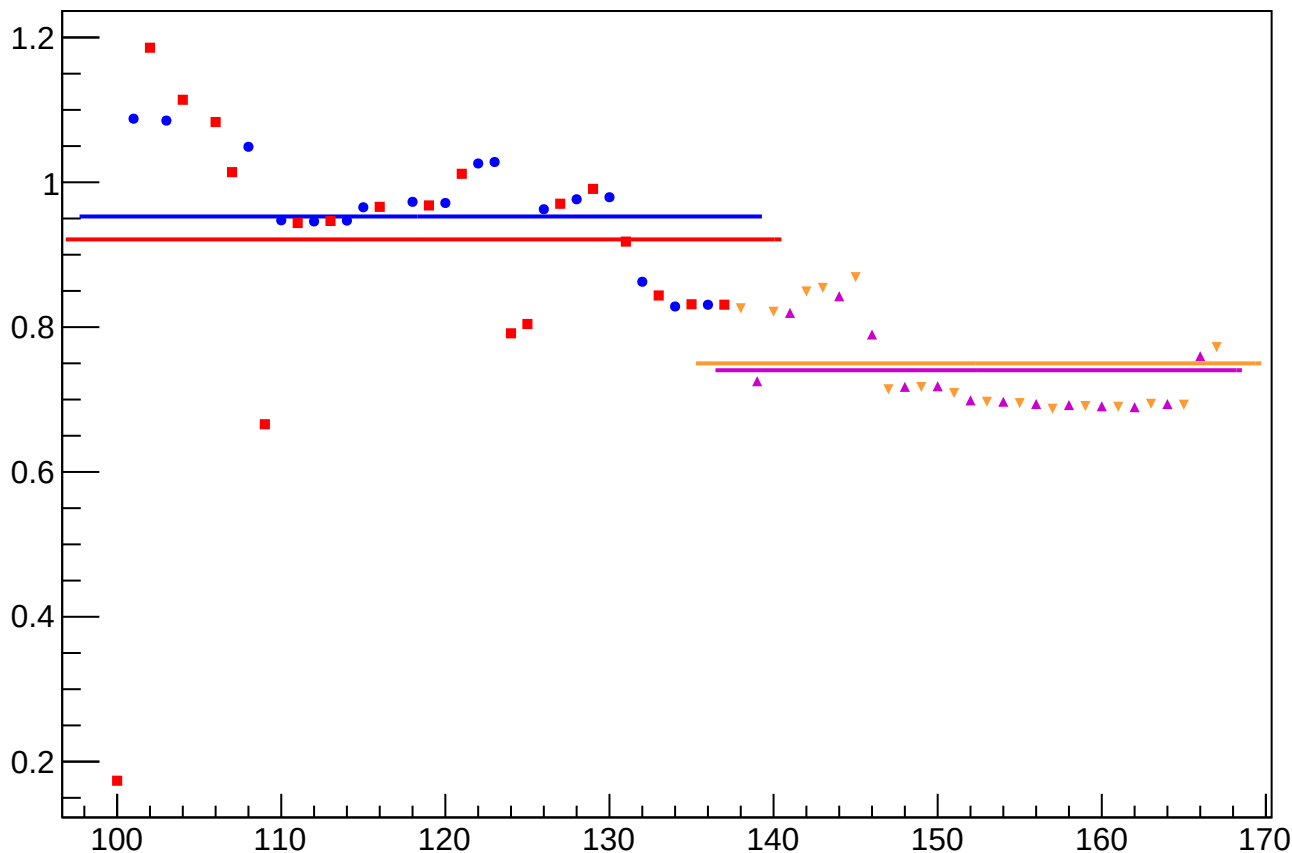
Right: 0.031+/-0.000 χ^2/NDF : 6139085.6/35

In: 0.015+/-0.000 χ^2/NDF :6638672.5/30

Out: 0.015+/-0.000 χ^2/NDF :8344855.6/34

All: 0.015+/-0.000 χ^2/NDF : 14986741.4/65

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: 0.740+/-0.000 χ^2/NDF : 155927329.6/13

Left: 0.746+/-0.000 χ^2/NDF : 418865942.8/29

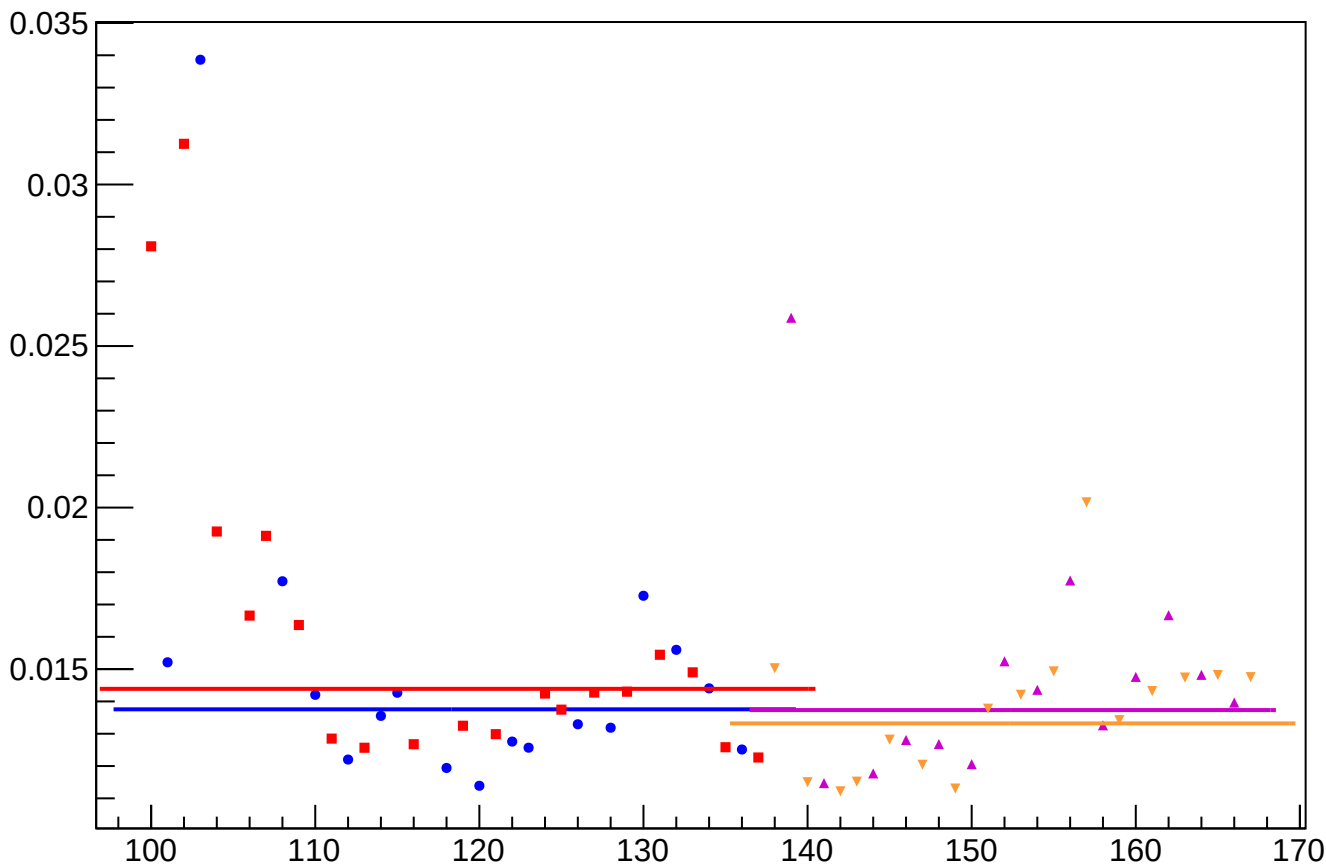
Right: 0.937+/-0.000 χ^2/NDF : 564889848.1/35

In: 0.820+/-0.000 χ^2/NDF : 1188658252.5/30

Out: 0.808+/-0.000 χ^2/NDF : 1205303522.8/34

All: 0.814+/-0.000 χ^2/NDF : 2400635192.7/65

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 : 599654.3/13

Left: 0.014+/-0.000 χ^2/NDF : 978617.3/29

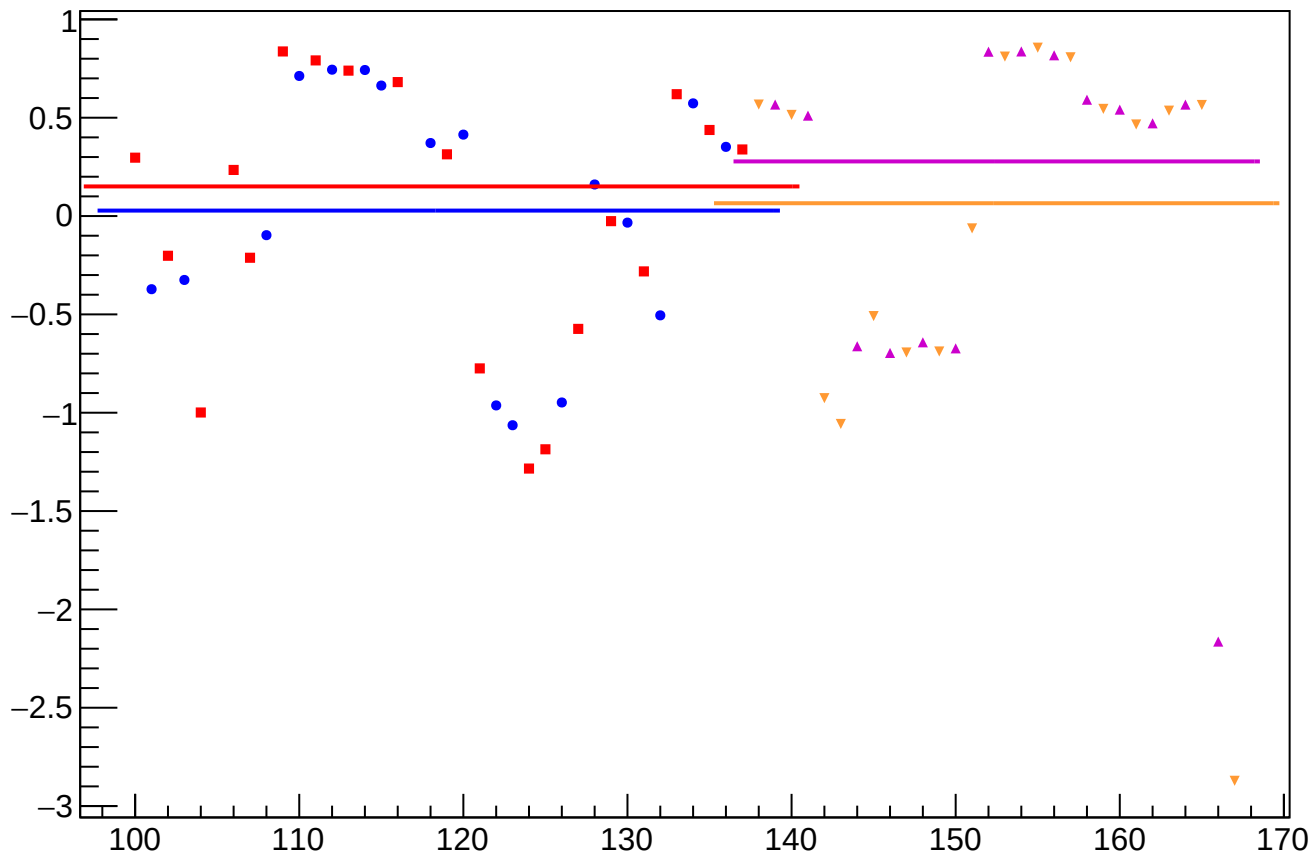
Right: 0.014+/-0.000 χ^2/NDF : 1054284.2/35

In: 0.014+/-0.000 χ^2/NDF : 1138144.1/30

Out: 0.014+/-0.000 χ^2/NDF : 918129.7/34

All: 0.014+/-0.000 χ^2/NDF : 2056590.6/65

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.065+/-0.000 χ^2/NDF : 61937261433.8/15

Right Out: 0.151+/-0.000 χ^2/NDF : 12653743155.9/18

Left In: 0.278+/-0.000 χ^2/NDF : 34346076563.1/13

Left: 0.168+/-0.000 χ^2/NDF : 97886096124.1/29

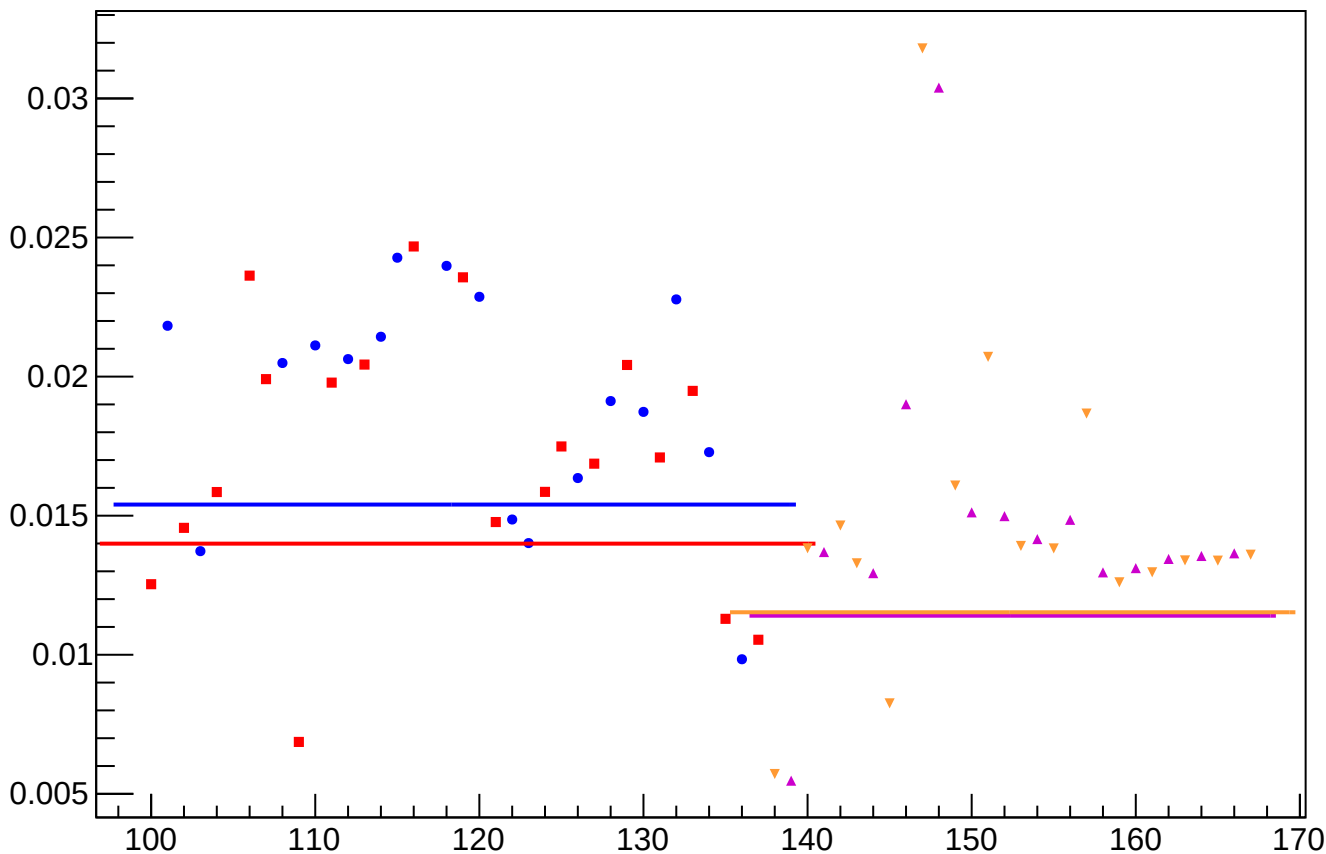
Right: 0.095+/-0.000 χ^2/NDF : 19125643372.9/35

In: 0.214+/-0.000 χ^2/NDF : 41721141357.9/30

Out: 0.089+/-0.000 χ^2/NDF : 74740946940.9/34

All: 0.148+/-0.000 χ^2/NDF : 117214948497.2

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: 0.011+/-0.000 χ^2/NDF : 2950356.5/13

Left: 0.011+/-0.000 χ^2/NDF : 5895002.3/29

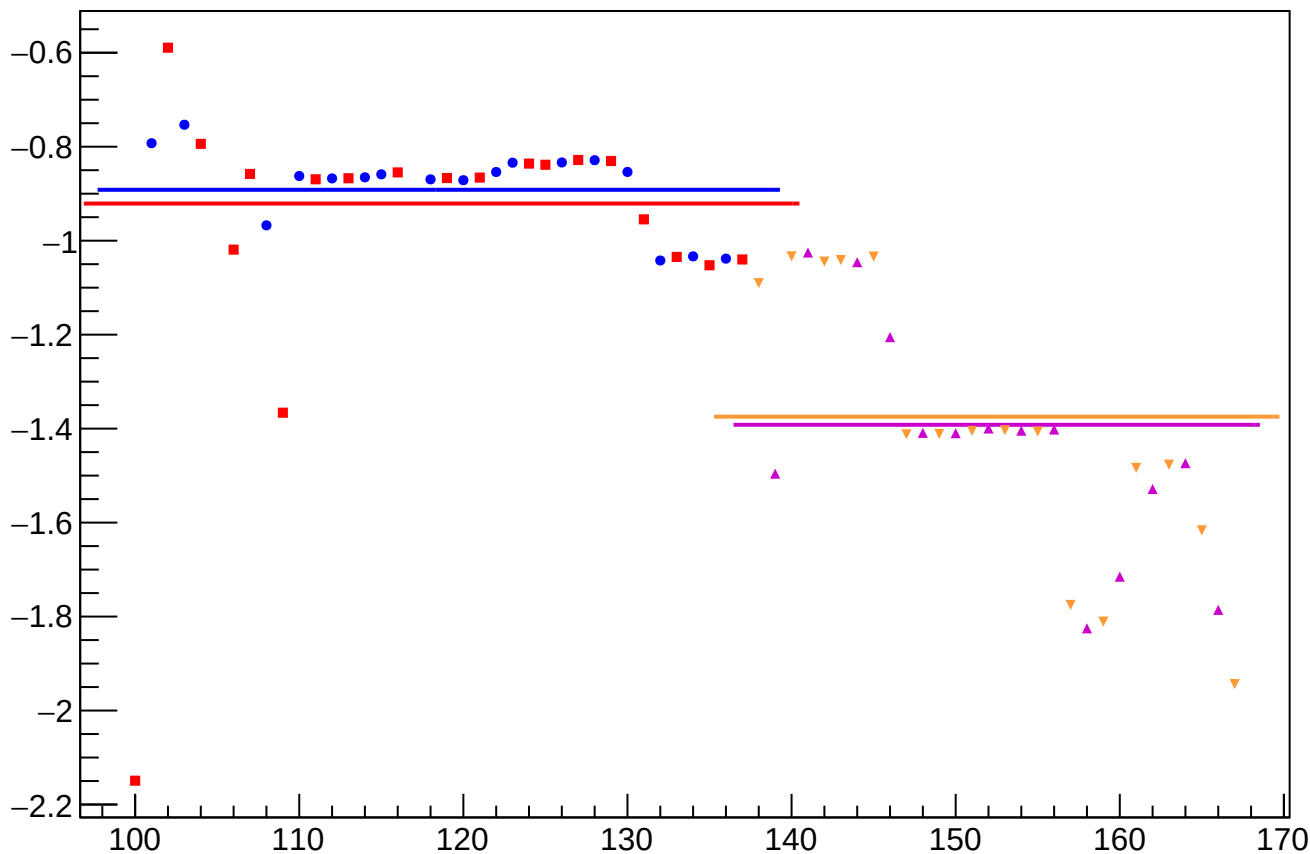
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.012+/-0.000 χ^2/NDF : 4653065.9/30

Out: 0.012+/-0.000 χ^2/NDF : 4755247.6/34

All: 0.012+/-0.000 χ^2/NDF : 9412482.7/65

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: -1.392+/-0.000 χ^2/NDF : 471136930.9/13

Left: -1.383+/-0.000 χ^2/NDF : 1114906659.1/29

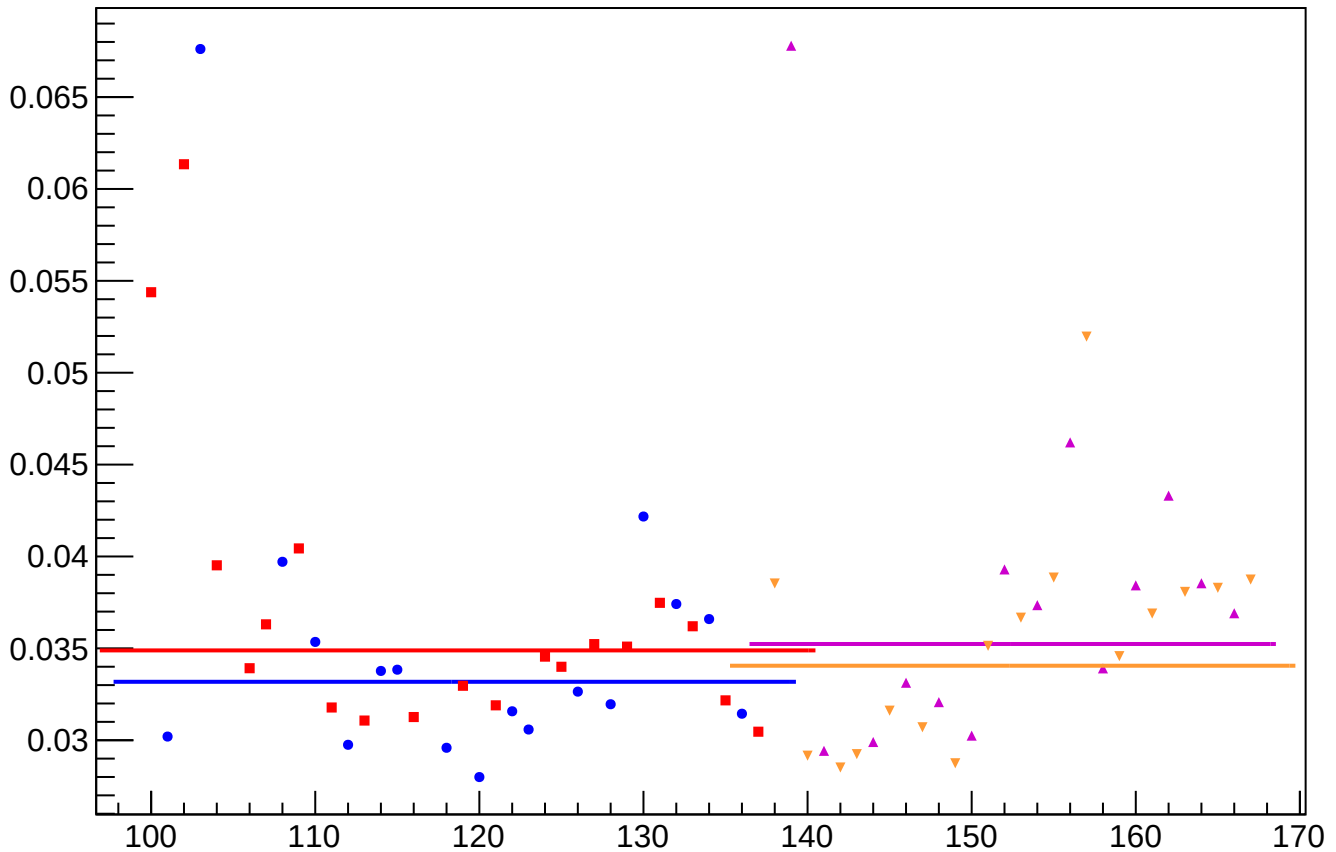
Right: -0.906+/-0.000 χ^2/NDF : 173170801.3/35

In: -1.187+/-0.000 χ^2/NDF : 1291500395.6/30

Out: -1.209+/-0.000 χ^2/NDF : 1433288470.2/34

All: -1.198+/-0.000 χ^2/NDF : 2727919364.4/6

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: 0.035+/-0.000 χ^2/NDF : 656204.1/13

Left: 0.035+/-0.000 χ^2/NDF : 1077996.0/29

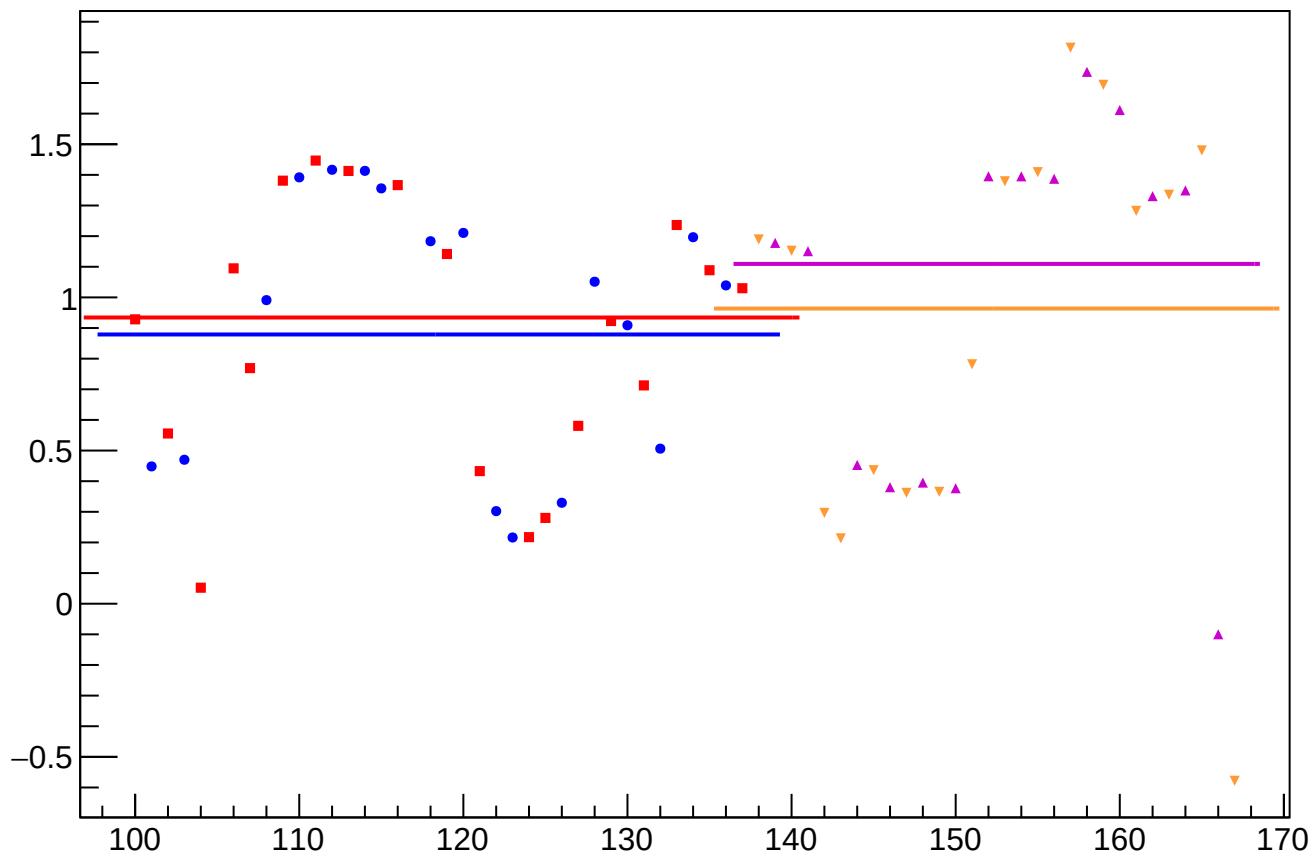
Right: 0.034+/-0.000 χ^2/NDF : 690186.6/35

In: 0.034+/-0.000 χ^2/NDF : 1082717.2/30

Out: 0.034+/-0.000 χ^2/NDF : 689847.8/34

All: 0.034+/-0.000 χ^2/NDF : 1772582.7/65

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 ± 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.964 ± 0.000 χ^2/NDF : 53396227703.4/15

Right Out: 0.934 ± 0.000 χ^2/NDF : 9827120184.9/18

Left In: 1.109 ± 0.000 χ^2/NDF : 30154711848.3/13

Left: 1.033 ± 0.000 χ^2/NDF : 84983413915.4/29

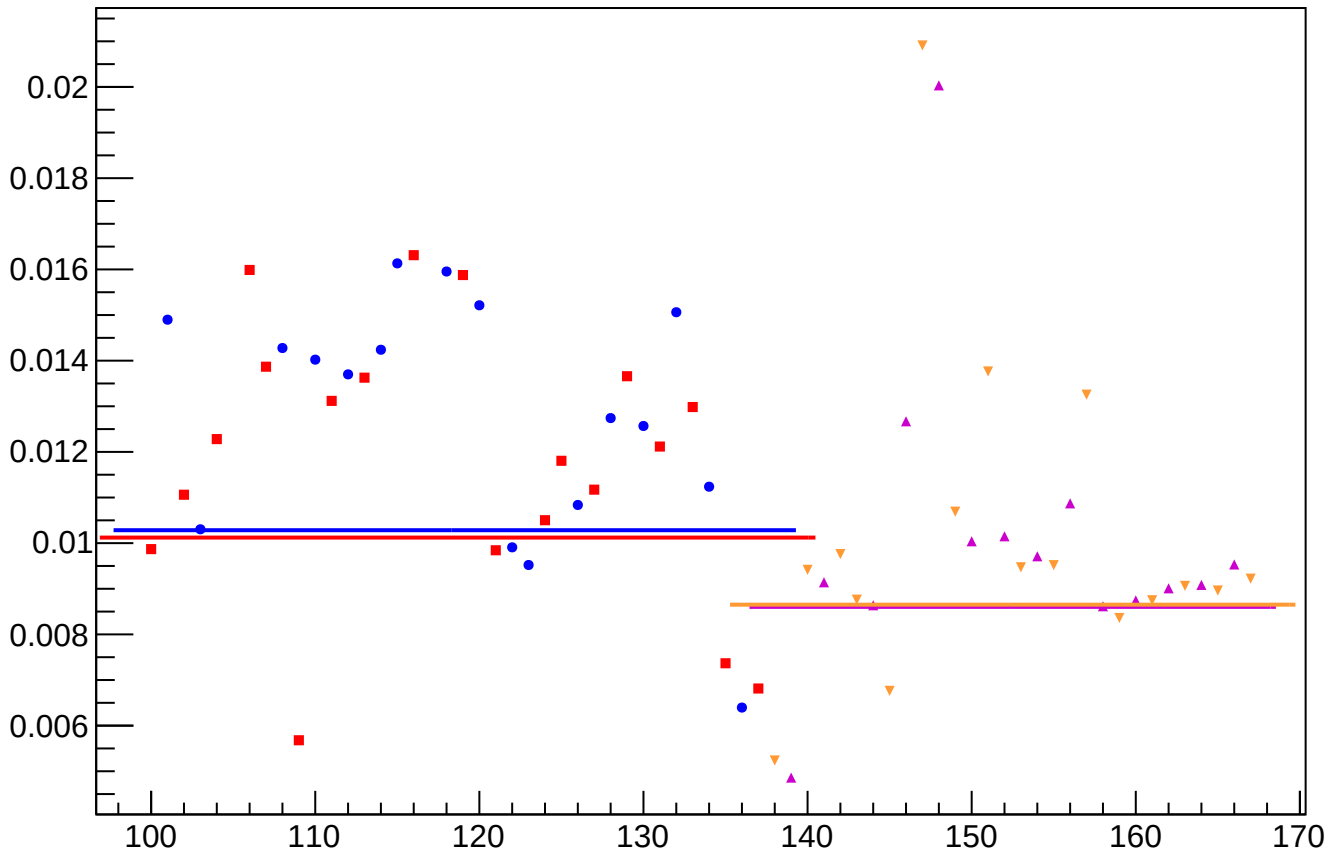
Right: 0.908 ± 0.000 χ^2/NDF : 16282606826.3/35

In: 1.043 ± 0.000 χ^2/NDF : 38510372123.5/30

Out: 0.955 ± 0.000 χ^2/NDF : 63258064759.3/34

All: 0.997 ± 0.000 χ^2/NDF : 102497733660.4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 1665842.8/15

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1176642.1/18

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 1627556.2/13

Left: 0.009 $\pm$ 0.000 χ^2/NDF : 3293712.1/29

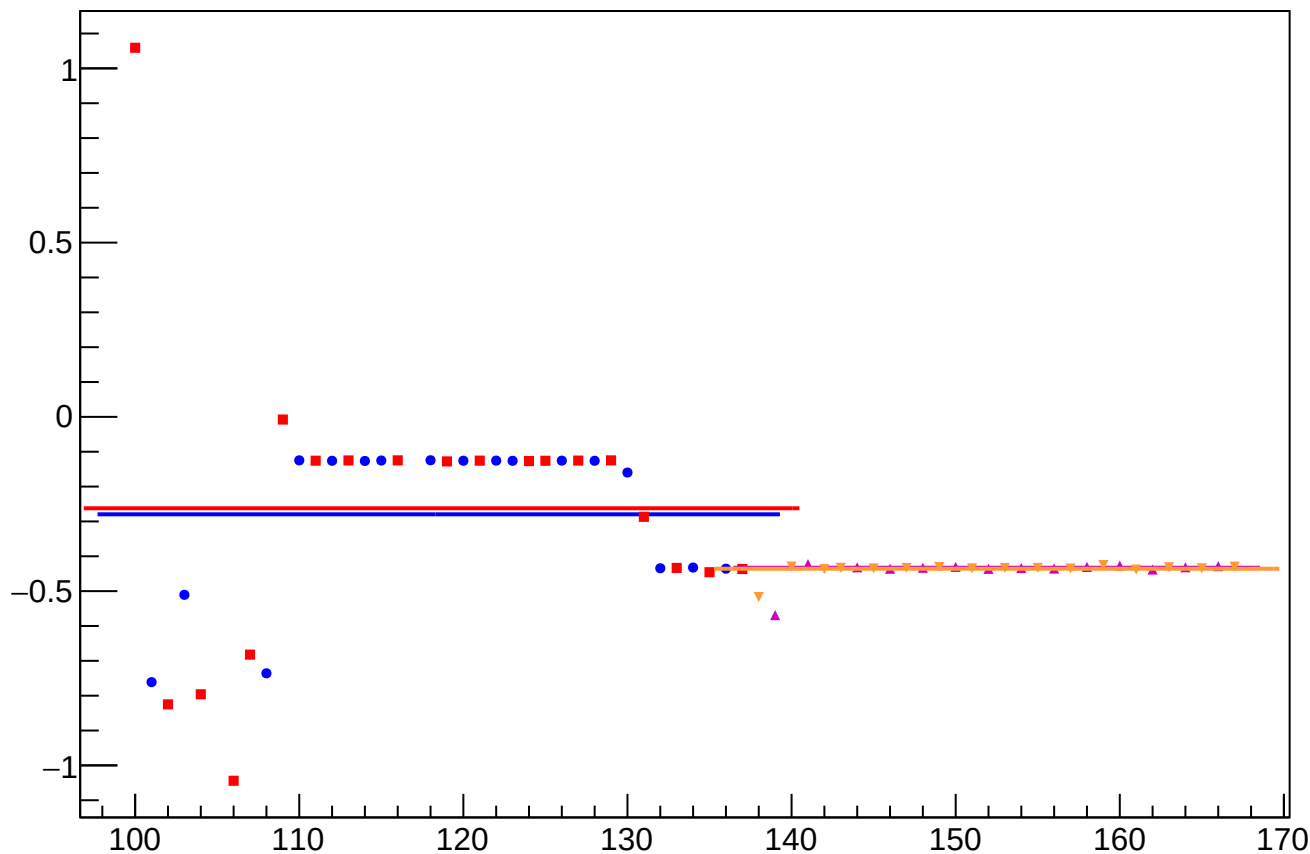
Right: 0.010 $\pm$ 0.000 χ^2/NDF : 2385530.8/35

In: 0.009 $\pm$ 0.000 χ^2/NDF : 3046212.0/30

Out: 0.009 $\pm$ 0.000 χ^2/NDF : 3017825.8/34

All: 0.009 $\pm$ 0.000 χ^2/NDF : 6064068.6/65

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 $\chi^2/\text{NDF}: 929210245.5/16$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 25880494.6/15$

Right Out: -0.262 ± 0.000 $\chi^2/\text{NDF}: 1006263824.6/18$

Left In: -0.433 ± 0.000 $\chi^2/\text{NDF}: 19635350.2/13$

Left: -0.434 ± 0.000 $\chi^2/\text{NDF}: 45900096.6/29$

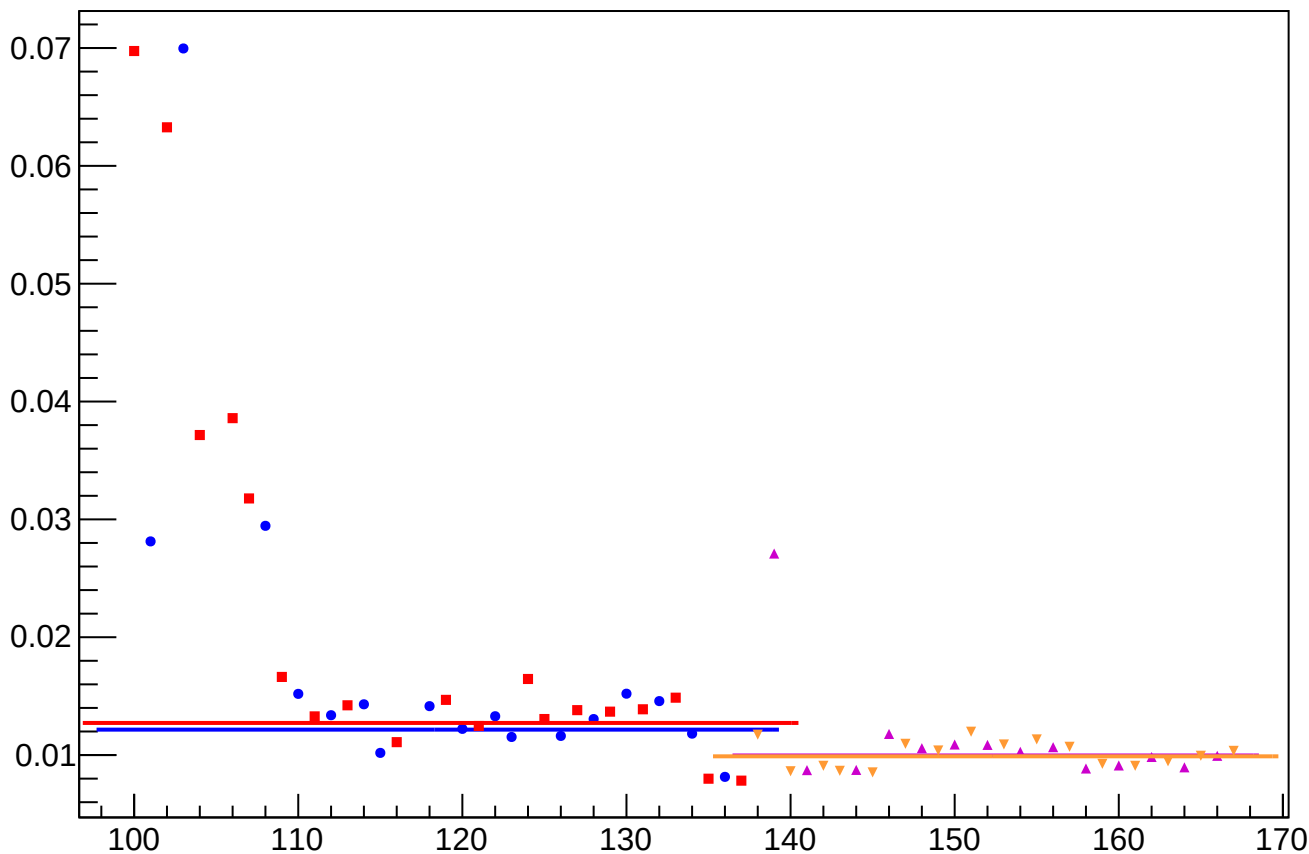
Right: -0.271 ± 0.000 $\chi^2/\text{NDF}: 1940066892.0/35$

In: -0.393 ± 0.000 $\chi^2/\text{NDF}: 1497534413.1/30$

Out: -0.396 ± 0.000 $\chi^2/\text{NDF}: 1725618793.2/34$

All: -0.395 ± 0.000 $\chi^2/\text{NDF}: 3223702932.7/6$

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:731189.7/13

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 960114.1/29

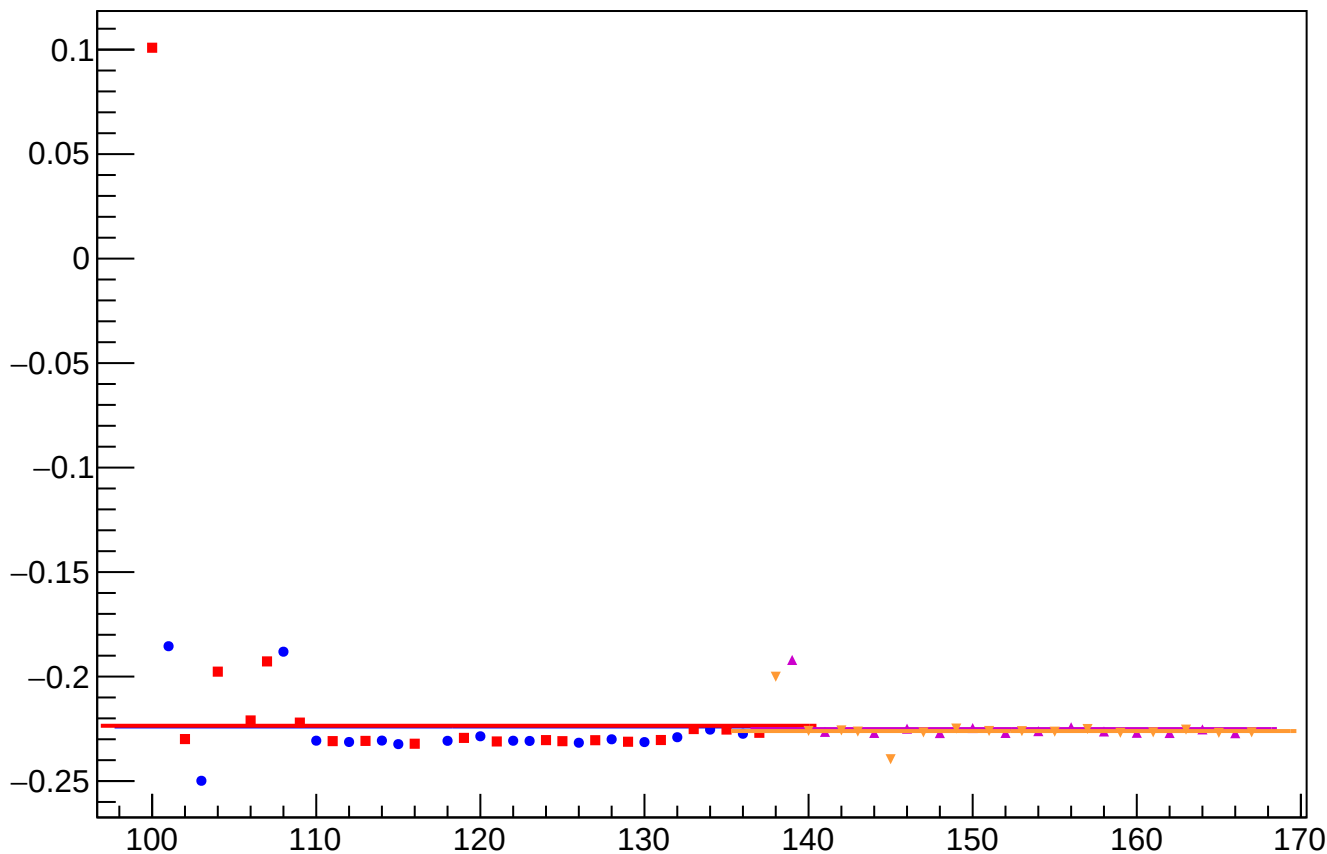
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3700041.2/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2678178.9/30

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2565643.7/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5243825.9/65

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 : 12833743.3/13

Left: -0.226+/-0.000 χ^2/NDF : 33625282.0/29

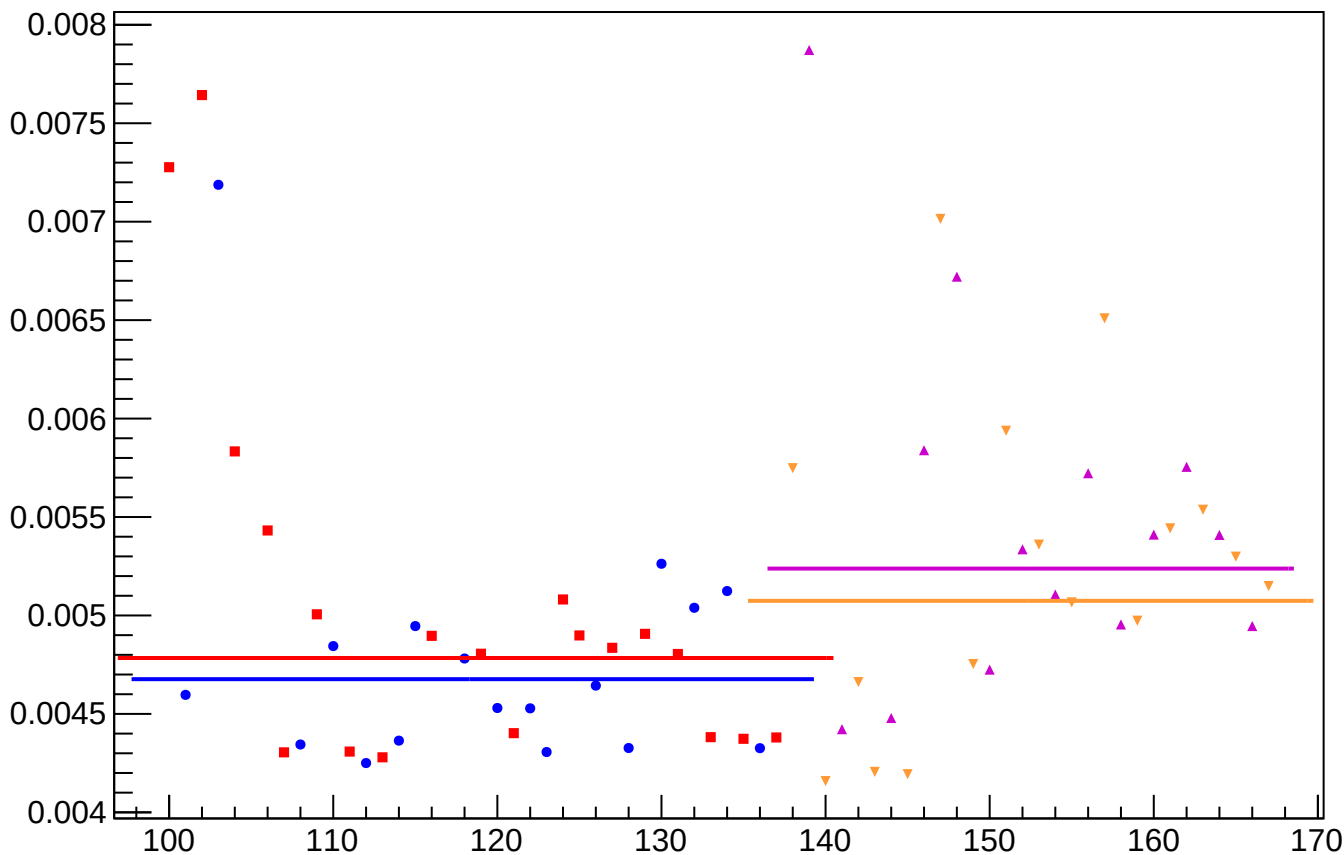
Right: -0.224+/-0.000 χ^2/NDF : 242740169.2/35

In: -0.225+/-0.000 χ^2/NDF : 87676205.2/30

Out: -0.225+/-0.000 χ^2/NDF : 189816443.8/34

All: -0.225+/-0.000 χ^2/NDF : 277568843.7/65

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF : 449344.2/15

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 248269.2/18

Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 396342.9/13

Left: 0.005 $\pm$ 0.000 χ^2/NDF : 856307.8/29

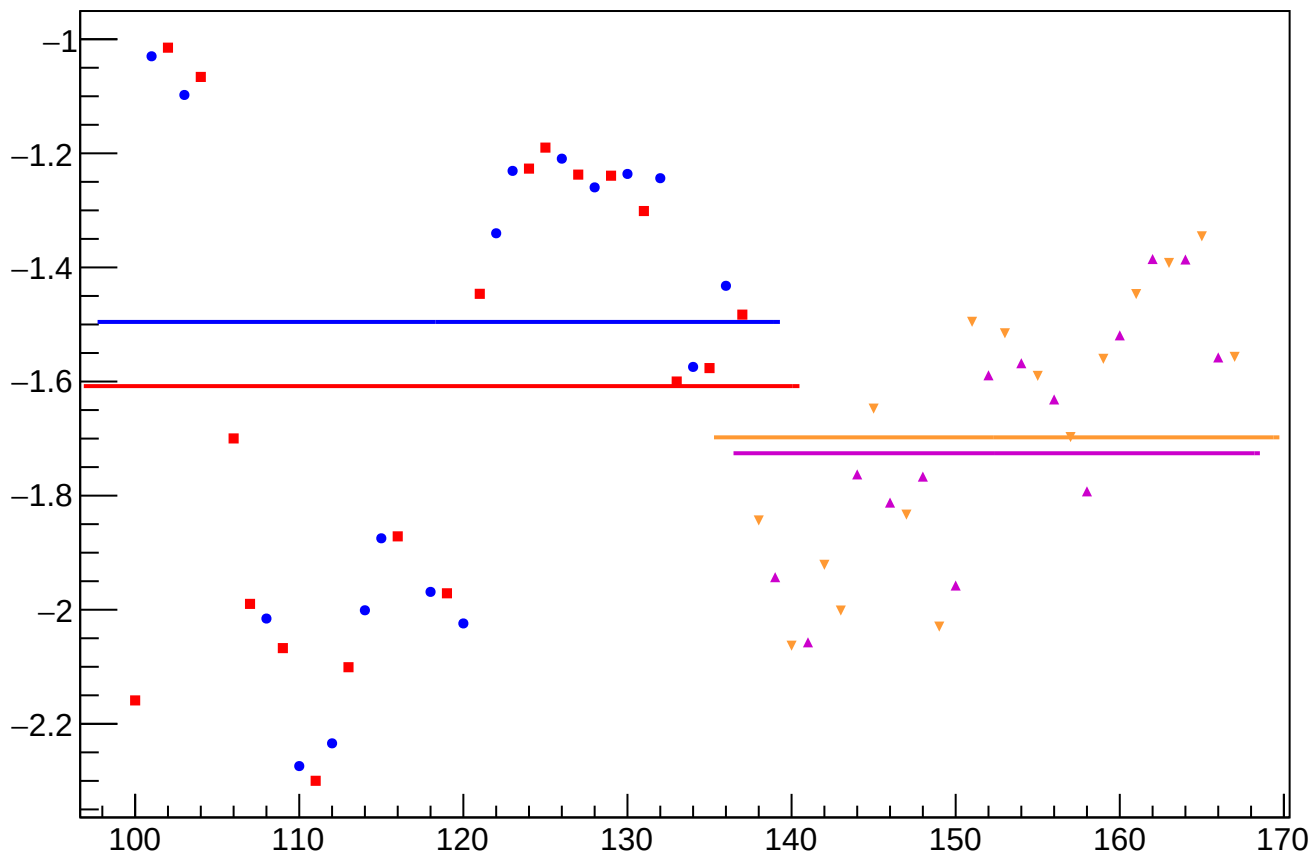
Right: 0.005 $\pm$ 0.000 χ^2/NDF : 432242.2/35

In: 0.005 $\pm$ 0.000 χ^2/NDF : 676273.8/30

Out: 0.005 $\pm$ 0.000 χ^2/NDF : 726052.6/34

All: 0.005 $\pm$ 0.000 χ^2/NDF : 1403380.9/65

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: -1.726+/-0.000 χ^2/NDF : 10792746665.4/13

Left: -1.711+/-0.000 χ^2/NDF : 26435631402.1/29

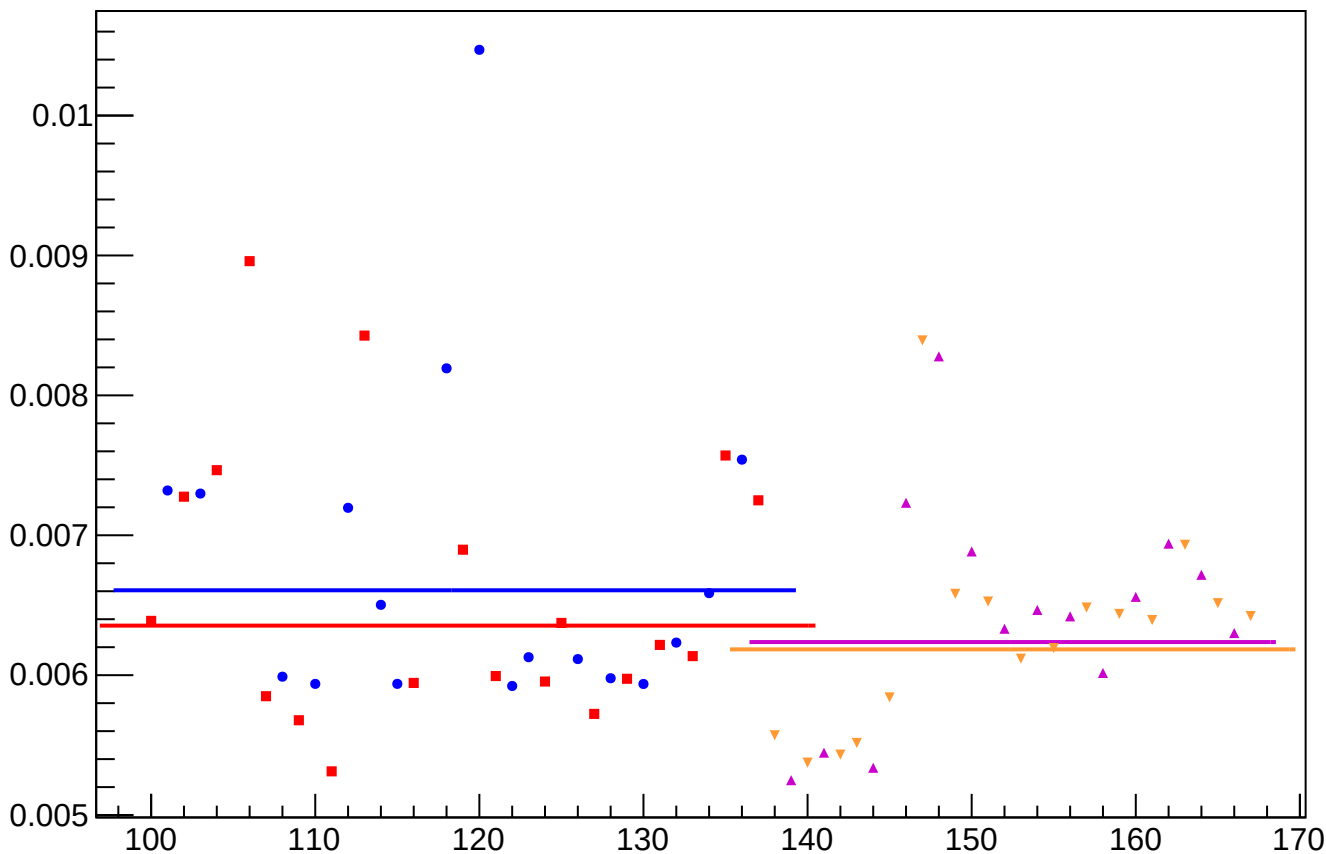
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.646+/-0.000 χ^2/NDF : 38095426268.0/30

Out: -1.666+/-0.000 χ^2/NDF : 44233751300.3/34

All: -1.656+/-0.000 χ^2/NDF : 82415232541.0/76

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 :289517.2/13

Left: 0.006+/-0.000 χ^2/NDF : 518683.0/29

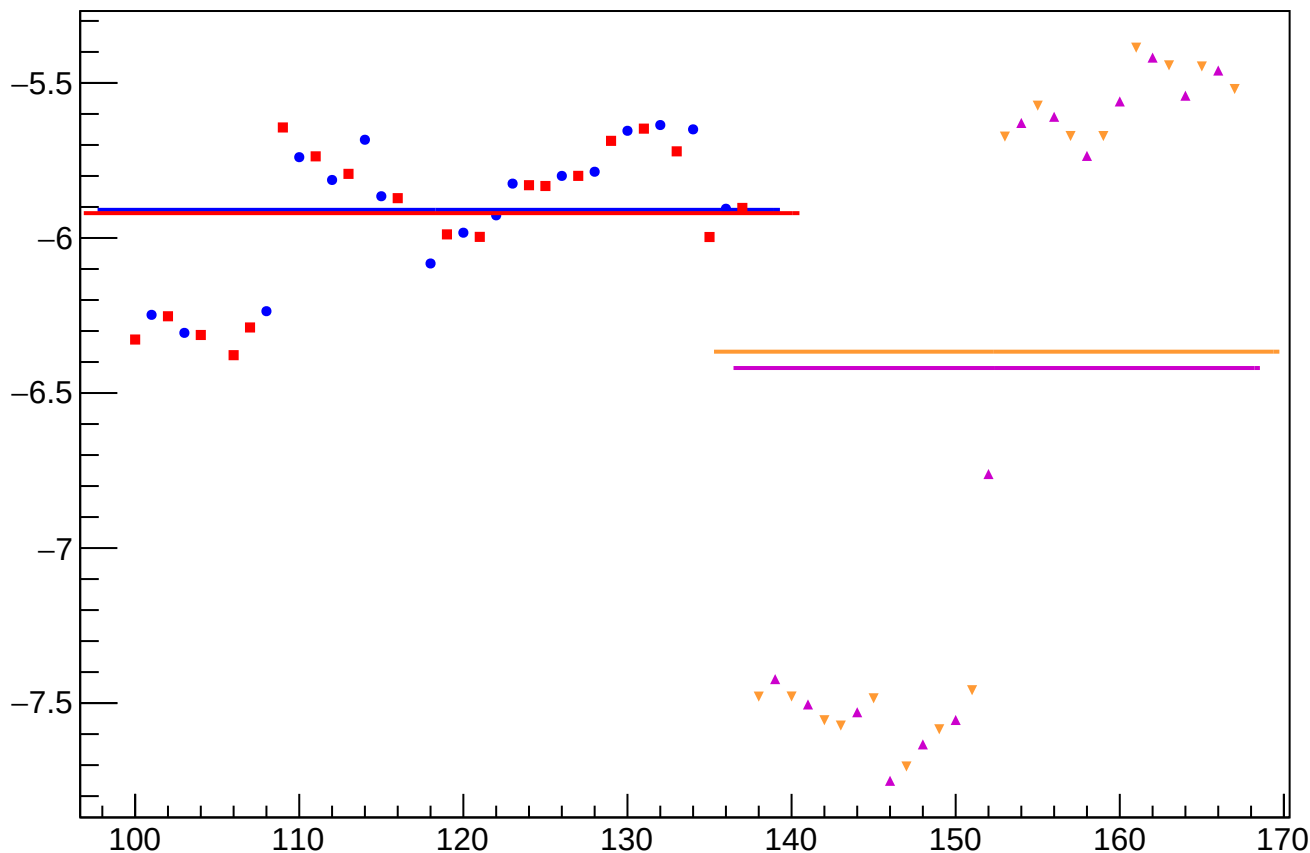
Right: 0.006+/-0.000 χ^2/NDF : 438183.3/35

In: 0.006+/-0.000 χ^2/NDF :515632.9/30

Out: 0.006+/-0.000 χ^2/NDF :461736.0/34

All: 0.006+/-0.000 χ^2/NDF : 983530.0/65

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.367+/-0.000 χ^2/NDF : 159141900598.4/15

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

Left In: -6.419+/-0.000 χ^2/NDF : 128060471658.8/13

Left: -6.391+/-0.000 χ^2/NDF : 287417407087.6/29

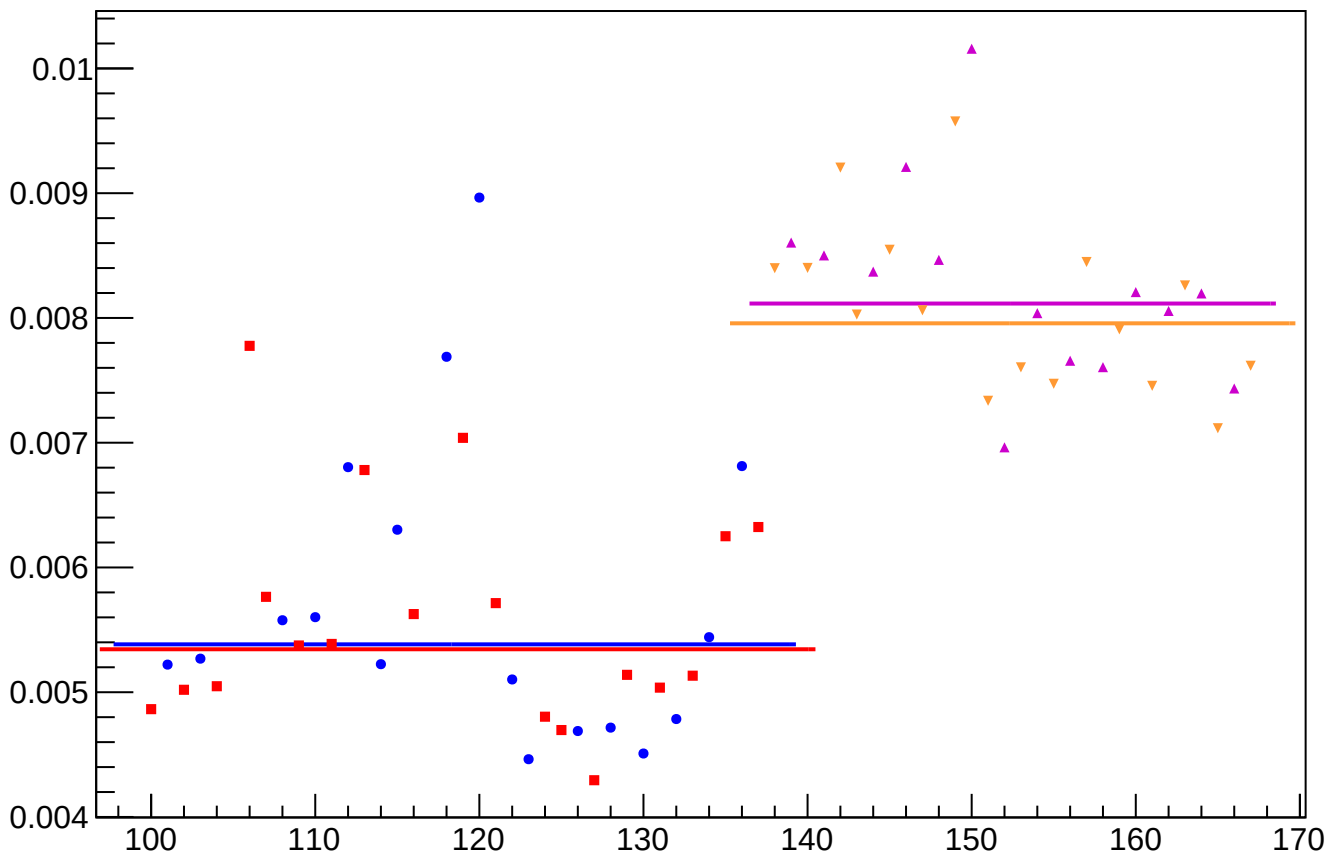
Right: -5.915+/-0.000 χ^2/NDF : 23922455242.5/35

In: -6.123+/-0.000 χ^2/NDF : 161268033819.9/30

Out: -6.109+/-0.000 χ^2/NDF : 190803206205.9/34

All: -6.116+/-0.000 χ^2/NDF : 352106603865.6/68

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 347627.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:115821.8/15

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 244700.0/18

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:149438.5/13

Left: 0.008 $\pm$ 0.000 χ^2 /NDF: 269150.4/29

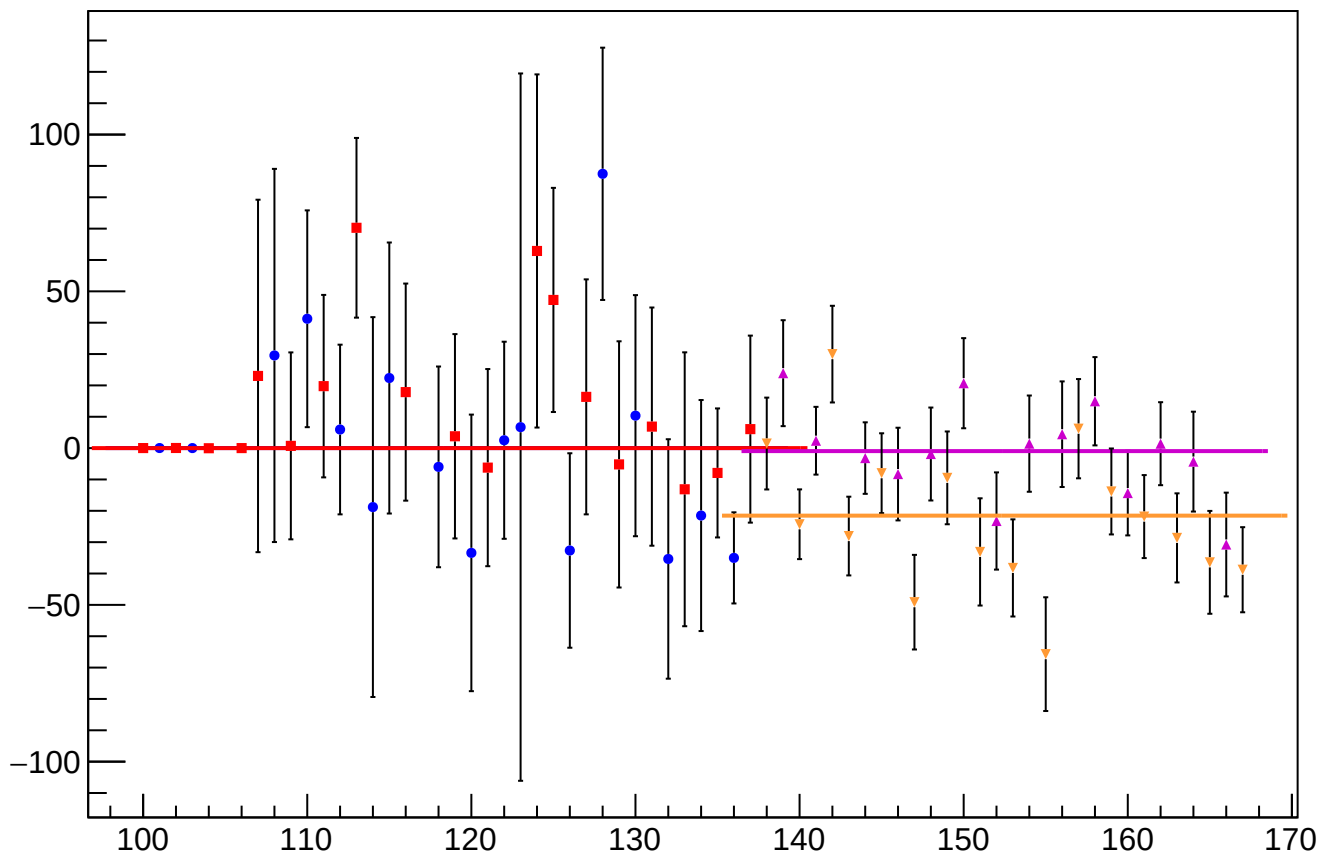
Right: 0.005 $\pm$ 0.000 χ^2 /NDF: 592657.5/35

In: 0.007 $\pm$ 0.000 χ^2 /NDF:1763599.5/30

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1651635.3/34

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 3417430.8/65

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -21.538 ± 3.577 χ^2/NDF : 32.7/15

Right Out: -0.003 ± 0.016 χ^2/NDF : 15.3/18

Left In: -0.955 ± 3.793 χ^2/NDF : 12.6/13

Left: -11.851 ± 2.602 χ^2/NDF : 60.9/29

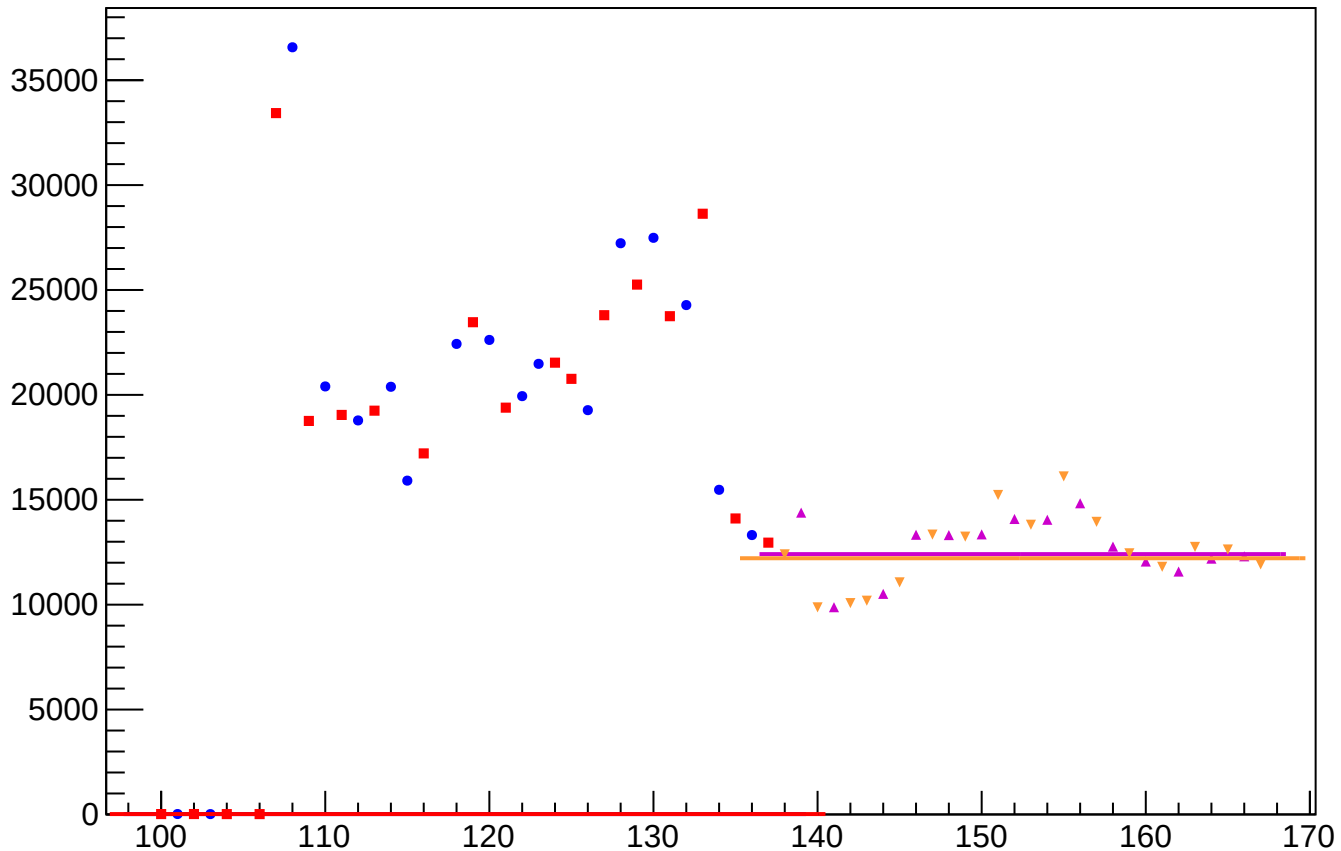
Right: 0.004 ± 0.012 χ^2/NDF : 31.6/35

In: 0.013 ± 0.017 χ^2/NDF : 28.4/30

Out: -0.004 ± 0.016 χ^2/NDF : 84.3/34

All: 0.004 ± 0.012 χ^2/NDF : 113.2/65

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641 ± 0.012 $\chi^2/\text{NDF}: 10841561.4/16$

Left Out: 12212.523 ± 2.529 $\chi^2/\text{NDF}: 424137.6/15$

Right Out: 18.311 ± 0.011 $\chi^2/\text{NDF}: 11103320.8/18$

Left In: 12409.323 ± 2.682 $\chi^2/\text{NDF}: 314635.6/13$

Left: 12305.139 ± 1.840 $\chi^2/\text{NDF}: 741622.8/29$

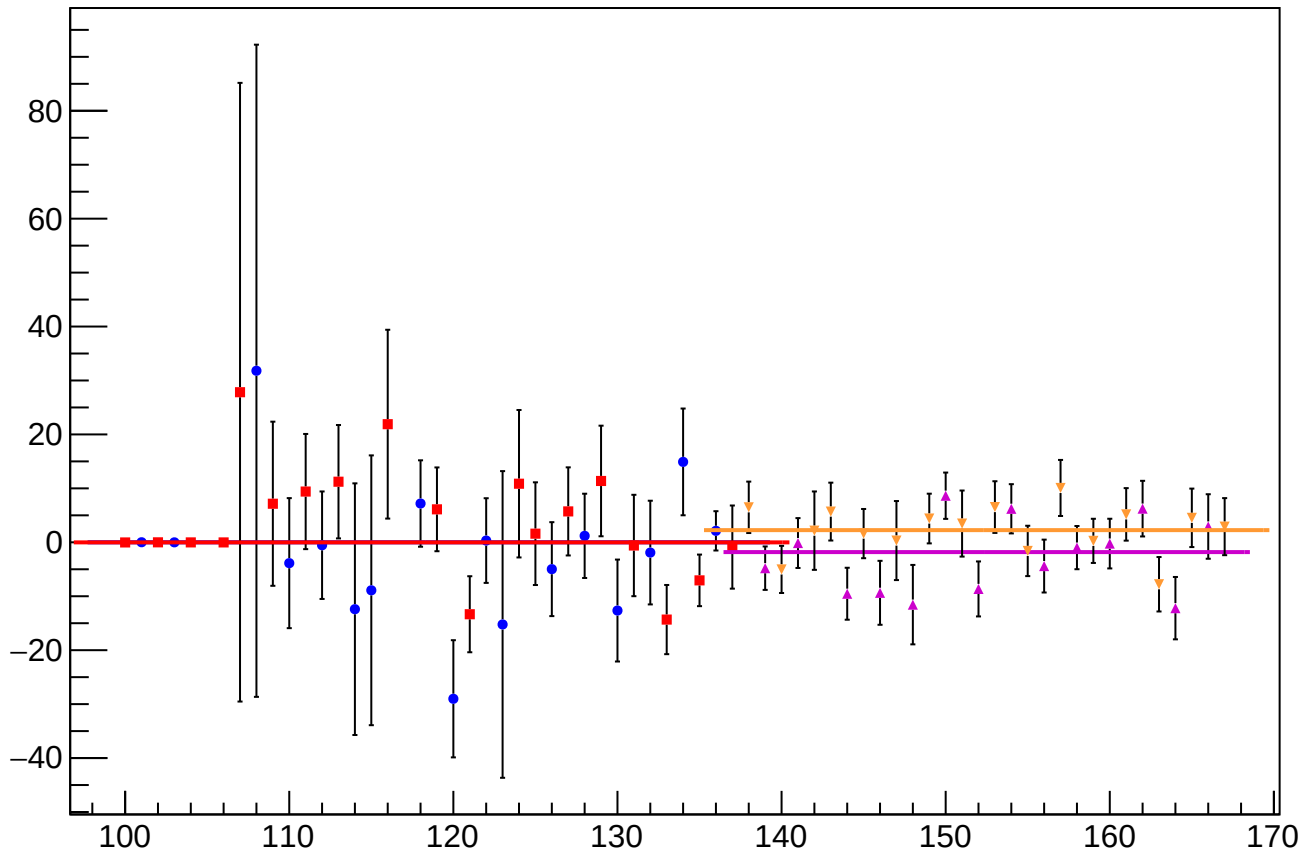
Right: 18.464 ± 0.008 $\chi^2/\text{NDF}: 21945270.7/35$

In: 18.899 ± 0.012 $\chi^2/\text{NDF}: 32493877.1/30$

Out: 18.558 ± 0.011 $\chi^2/\text{NDF}: 34774890.1/34$

All: 18.716 ± 0.008 $\chi^2/\text{NDF}: 67269185.7/65$

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: -1.815+/-1.306 χ^2/NDF :24.2/13

Left: 0.291+/-0.908 χ^2/NDF : 42.0/29

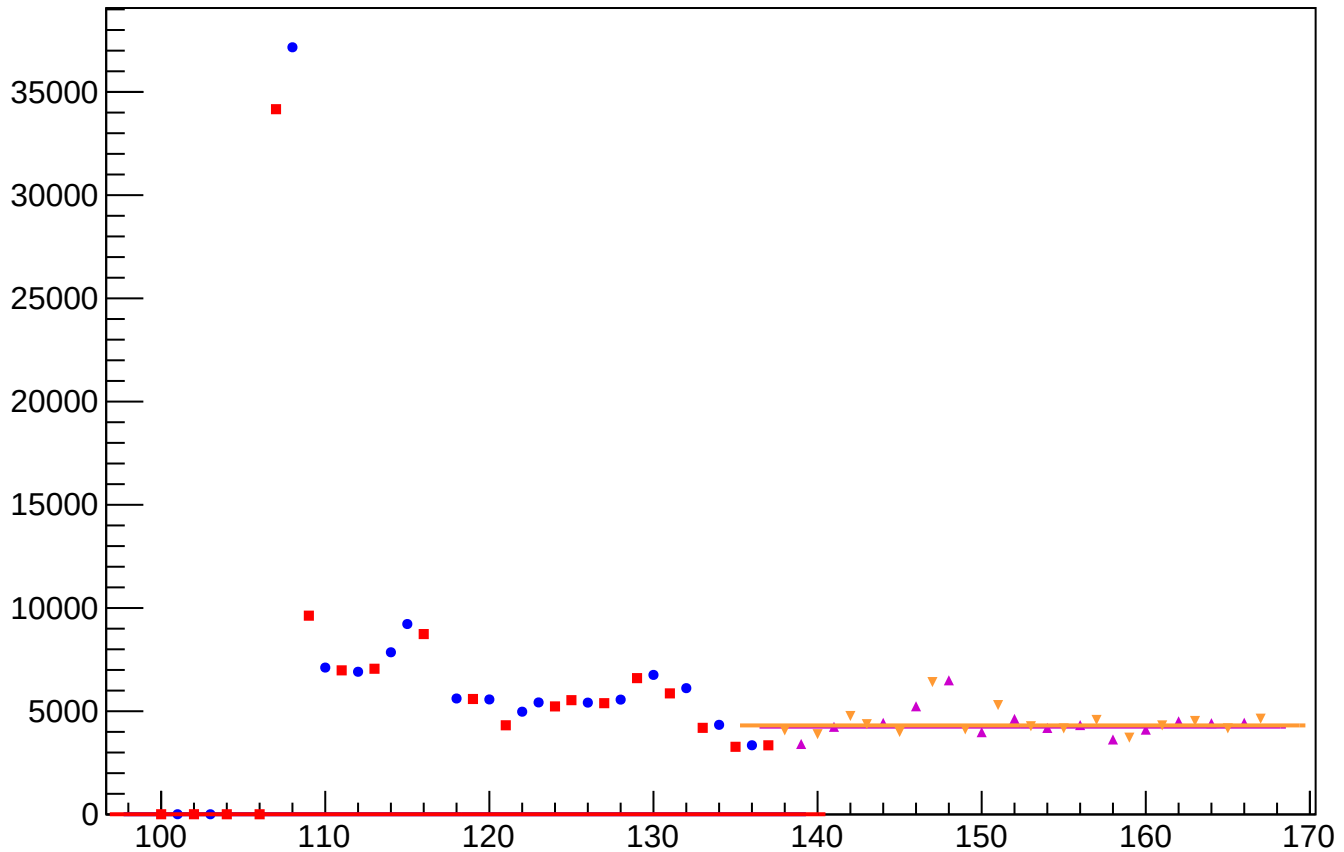
Right: -0.007+/-0.006 χ^2/NDF : 34.7/35

In: 0.001+/-0.009 χ^2/NDF :41.0/30

Out: -0.014+/-0.009 χ^2/NDF :34.4/34

All: -0.007+/-0.006 χ^2/NDF : 76.8/65

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 ± 0.007 χ^2/NDF : 10973577.1/16

Left Out: 4313.098 ± 0.892 χ^2/NDF : 323324.5/15

Right Out: 9.854 ± 0.006 χ^2/NDF : 11152667.7/18

Left In: 4253.512 ± 0.924 χ^2/NDF : 409176.7/13

Left: 4284.336 ± 0.642 χ^2/NDF : 734653.5/29

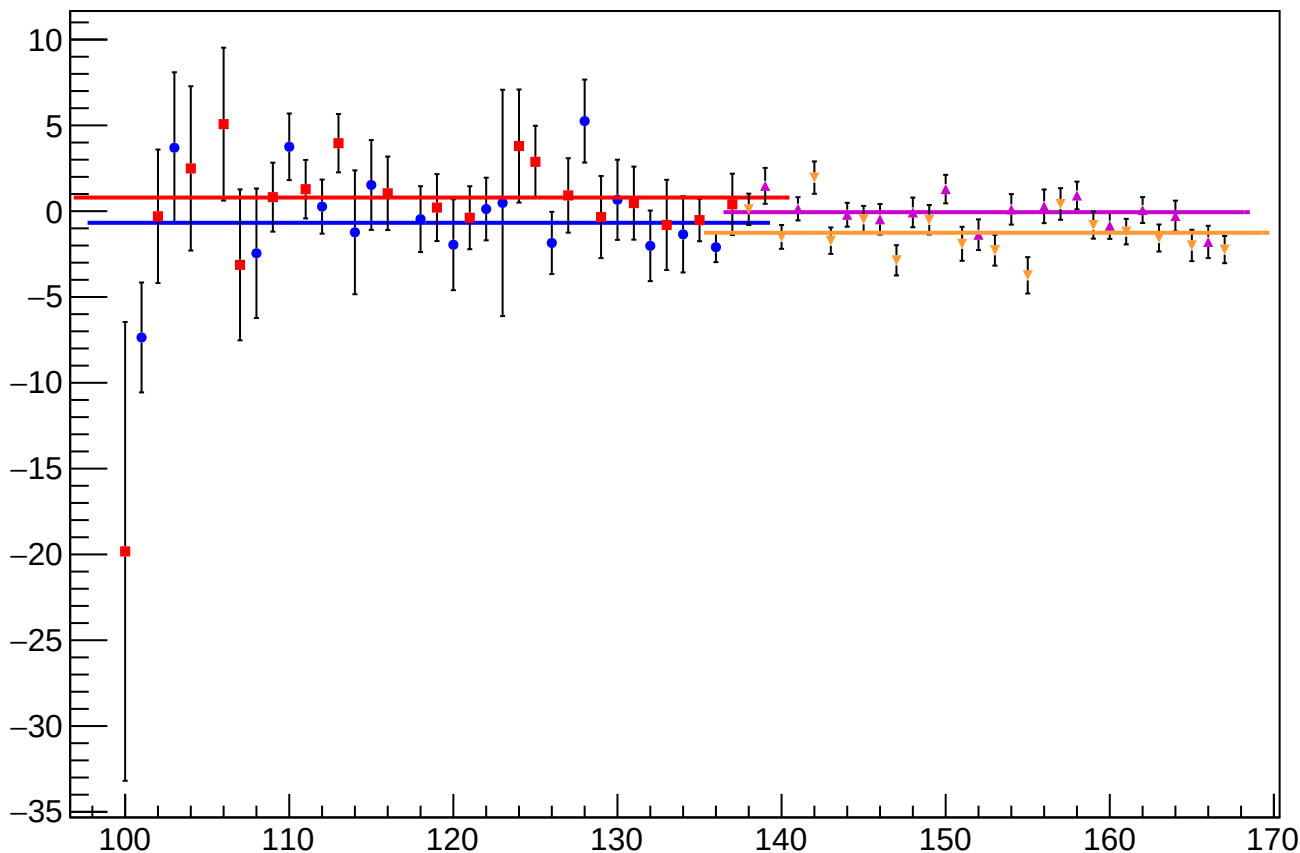
Right: 9.894 ± 0.004 χ^2/NDF : 22126332.7/35

In: 10.149 ± 0.007 χ^2/NDF : 32483780.0/30

Out: 10.056 ± 0.006 χ^2/NDF : 34730069.8/34

All: 10.100 ± 0.004 χ^2/NDF : 67213956.1/65

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: -0.058 ± 0.223 χ^2/NDF : 13.4/13

Left: -0.691 ± 0.153 χ^2/NDF : 61.2/29

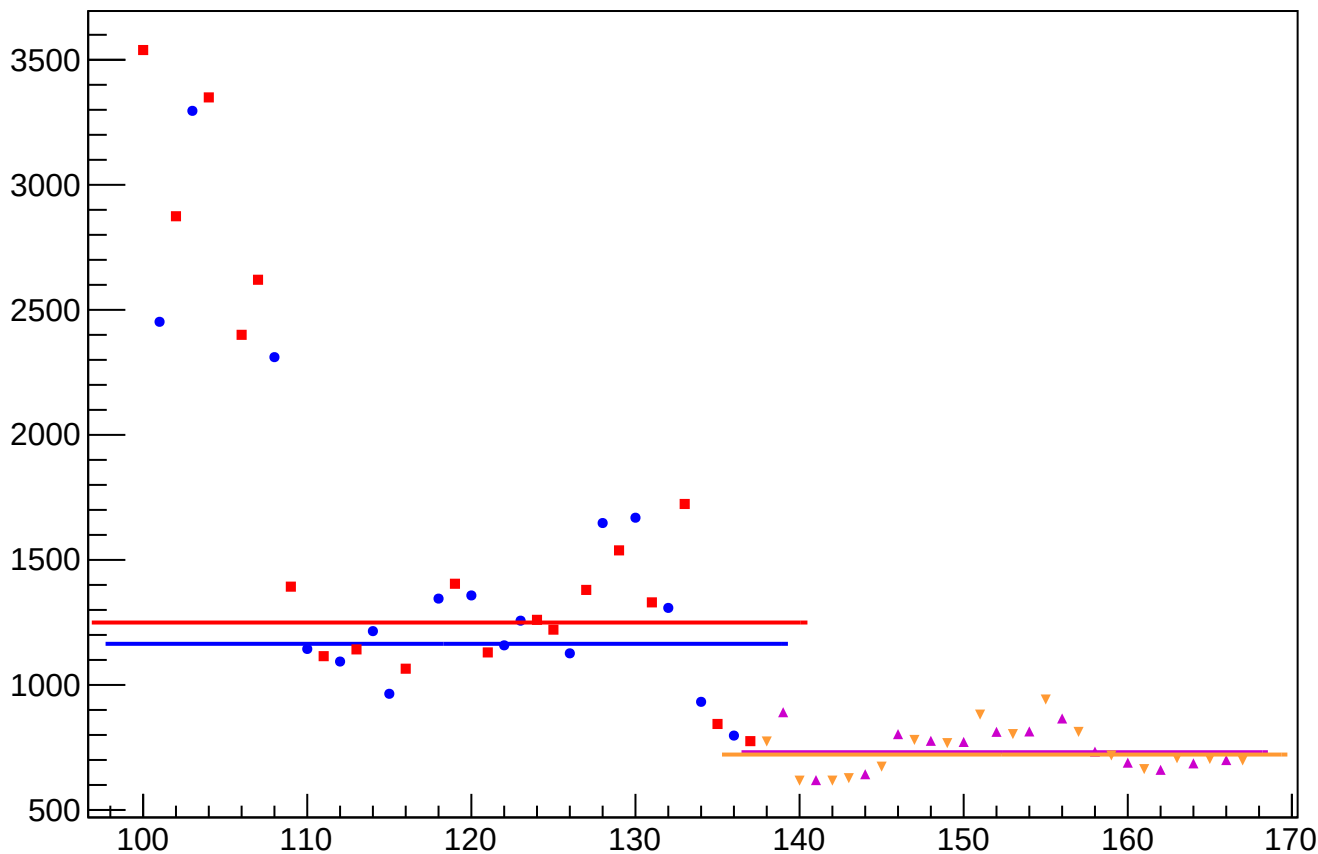
Right: 0.033 ± 0.348 χ^2/NDF : 38.7/35

In: -0.166 ± 0.203 χ^2/NDF : 37.0/30

Out: -0.948 ± 0.194 χ^2/NDF : 58.8/34

All: -0.574 ± 0.140 χ^2/NDF : 103.6/65

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2/NDF : 1584212.9/16

Left Out: 721.628 $\pm$ 0.149 χ^2/NDF : 317972.3/15

Right Out: 1249.596 $\pm$ 0.354 χ^2/NDF : 1650133.1/18

Left In: 730.981 $\pm$ 0.158 χ^2/NDF : 258809.0/13

Left: 726.040 $\pm$ 0.108 χ^2/NDF : 578638.9/29

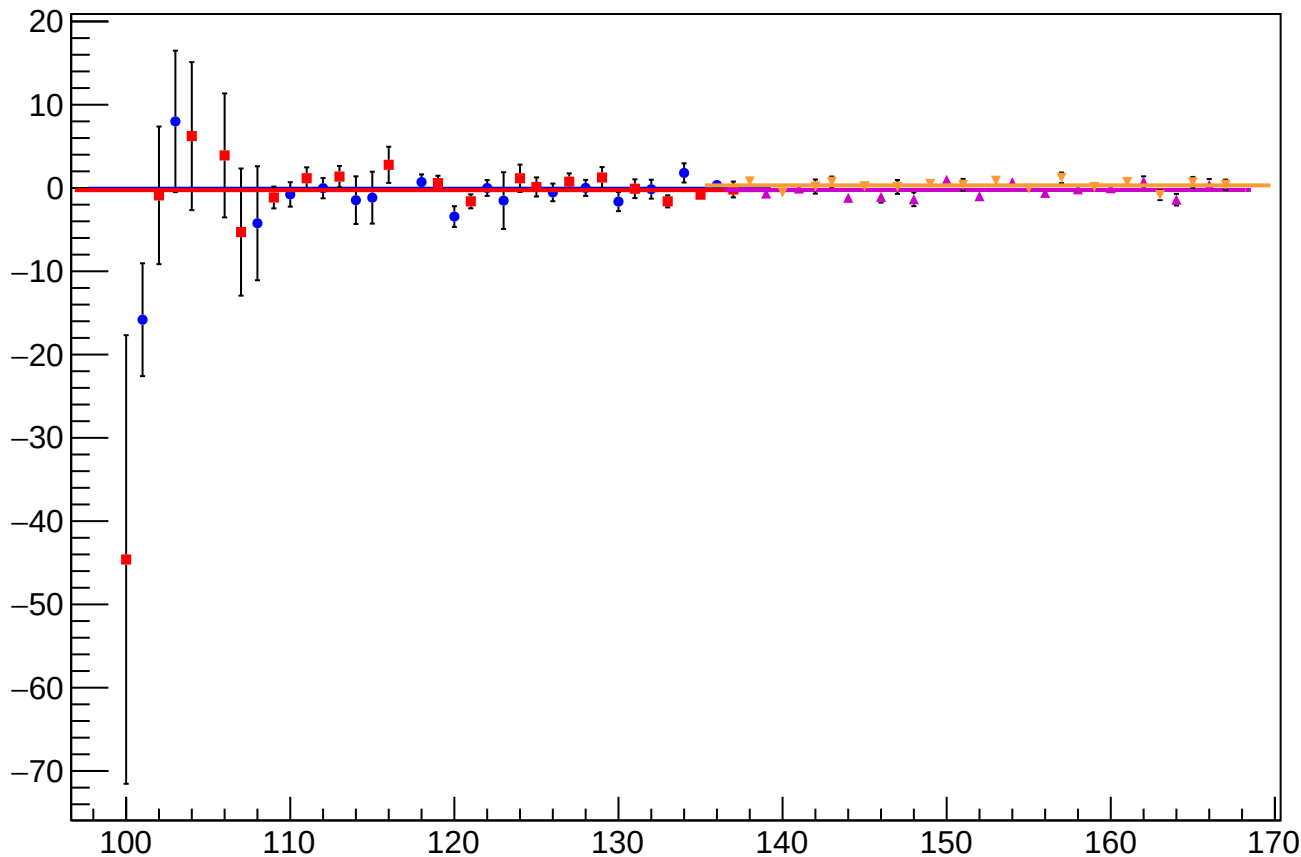
Right: 1205.546 $\pm$ 0.246 χ^2/NDF : 3264193.7/35

In: 806.901 $\pm$ 0.143 χ^2/NDF : 3165553.0/30

Out: 800.945 $\pm$ 0.137 χ^2/NDF : 3853340.5/34

All: 803.798 $\pm$ 0.099 χ^2/NDF : 7019793.8/65

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: -0.238 ± 0.157 χ^2/NDF : 23.8/13

Left: 0.050 ± 0.109 χ^2/NDF : 42.4/29

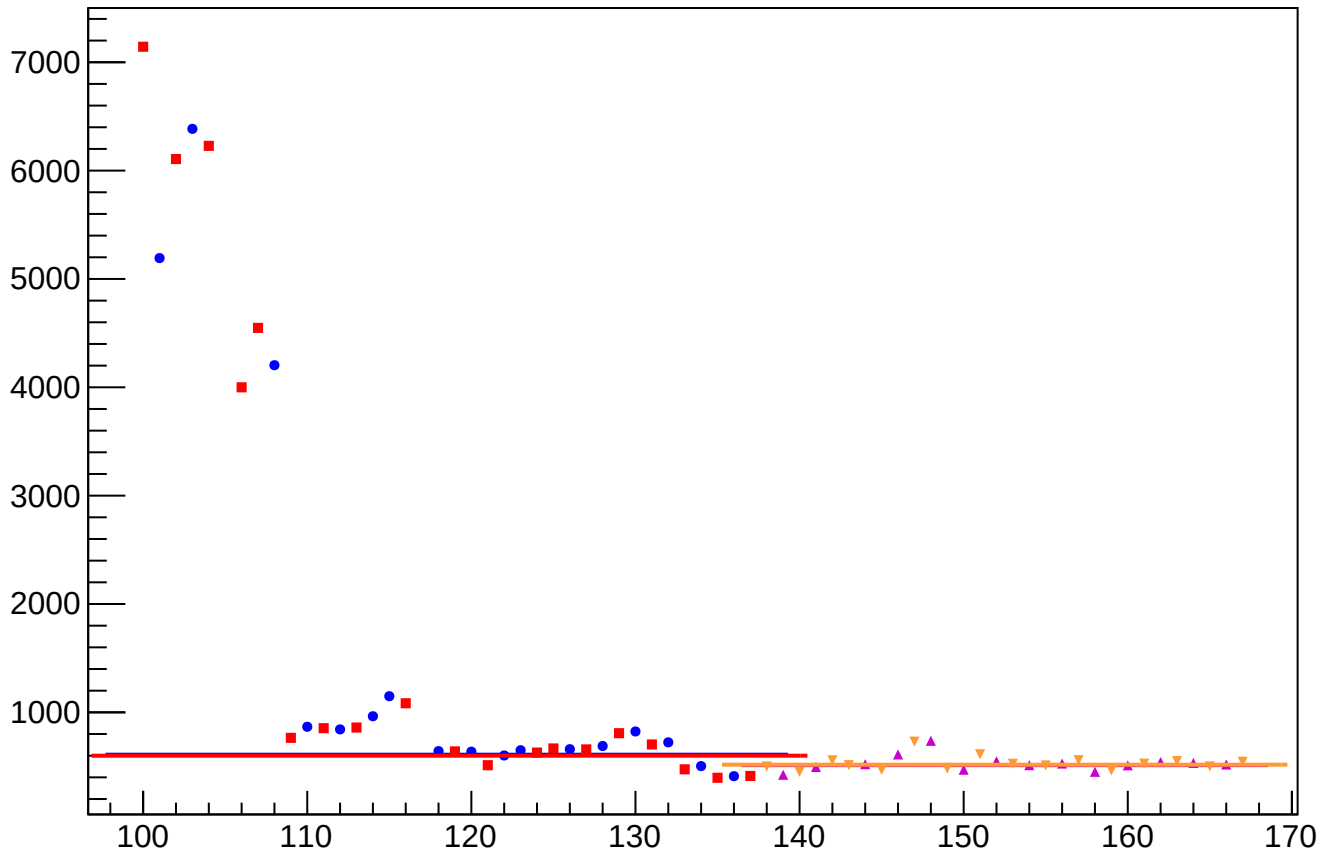
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.199 ± 0.136 χ^2/NDF : 45.1/30

Out: 0.175 ± 0.131 χ^2/NDF : 36.2/34

All: -0.006 ± 0.094 χ^2/NDF : 85.2/65

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 516.924 $\pm$ 0.107 χ^2 /NDF: 274540.4/15

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

Left In: 512.667 $\pm$ 0.111 χ^2 /NDF: 310493.5/13

Left: 514.879 $\pm$ 0.077 χ^2 /NDF: 585797.6/29

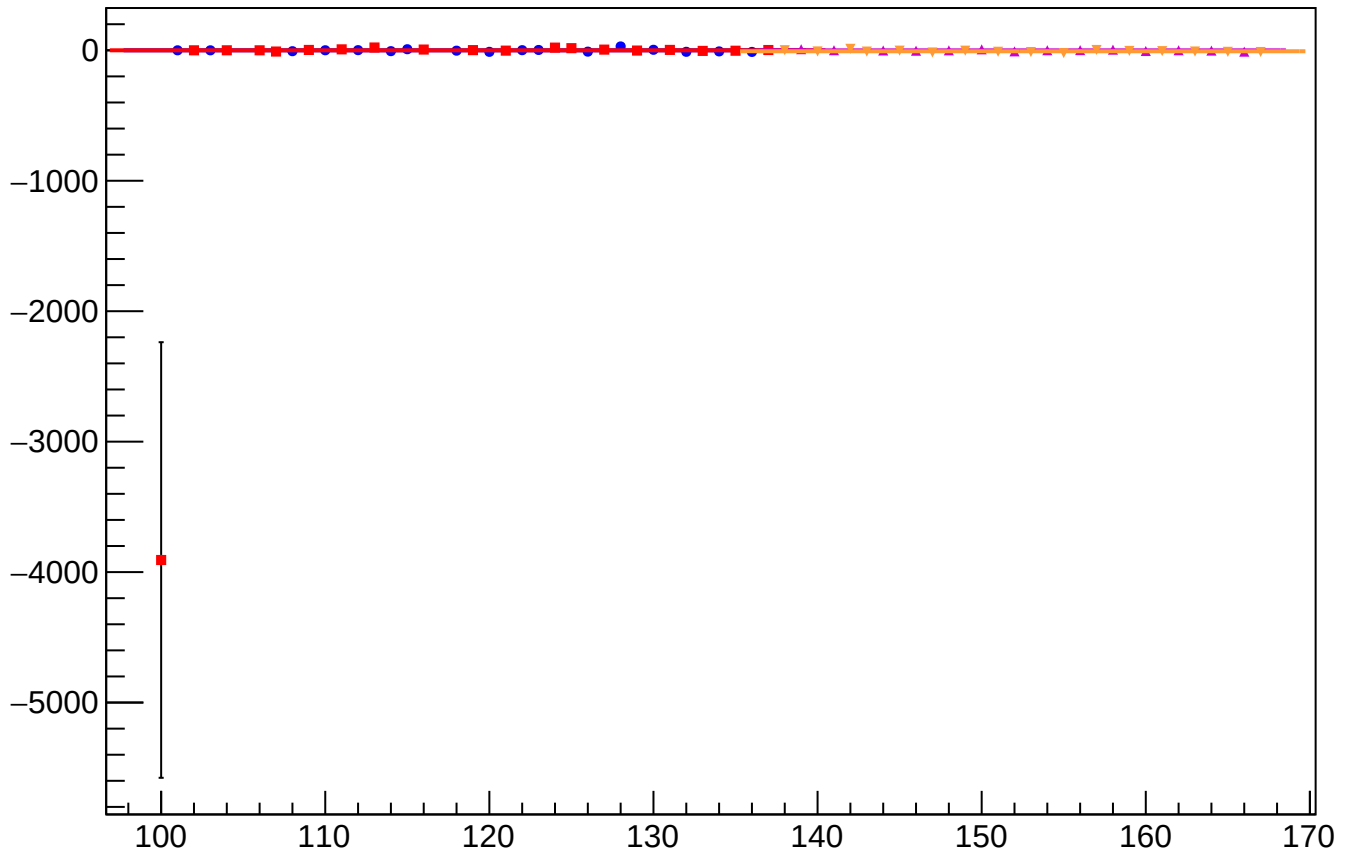
Right: 604.364 $\pm$ 0.134 χ^2 /NDF: 6687992.0/35

In: 536.999 $\pm$ 0.096 χ^2 /NDF: 3639870.9/30

Out: 537.343 $\pm$ 0.093 χ^2 /NDF: 3970757.0/34

All: 537.177 $\pm$ 0.067 χ^2 /NDF: 7610634.5/65

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: -0.363 ± 1.303 χ^2/NDF : 13.1/13

Left: -4.013 ± 0.894 χ^2/NDF : 60.6/29

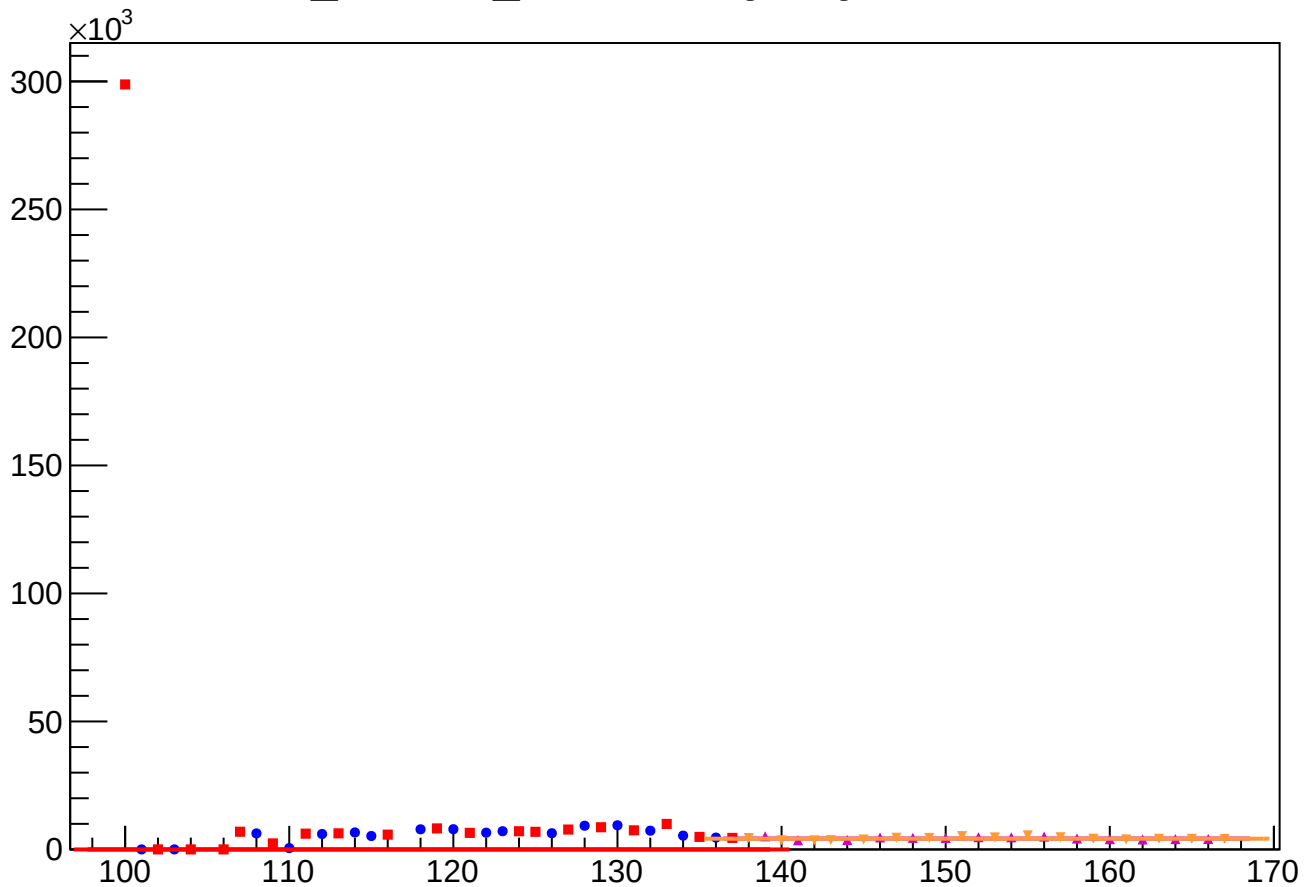
Right: 0.004 ± 0.014 χ^2/NDF : 35.4/35

In: -0.022 ± 0.021 χ^2/NDF : 28.4/30

Out: 0.025 ± 0.020 χ^2/NDF : 85.1/34

All: 0.003 ± 0.014 χ^2/NDF : 116.2/65

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4205.245 $\pm$ 0.869 χ^2 /NDF: 335467.6/15

Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 10813350.8/18

Left In: 4269.961 $\pm$ 0.922 χ^2 /NDF: 261831.9/13

Left: 4235.703 $\pm$ 0.632 χ^2 /NDF: 599910.2/29

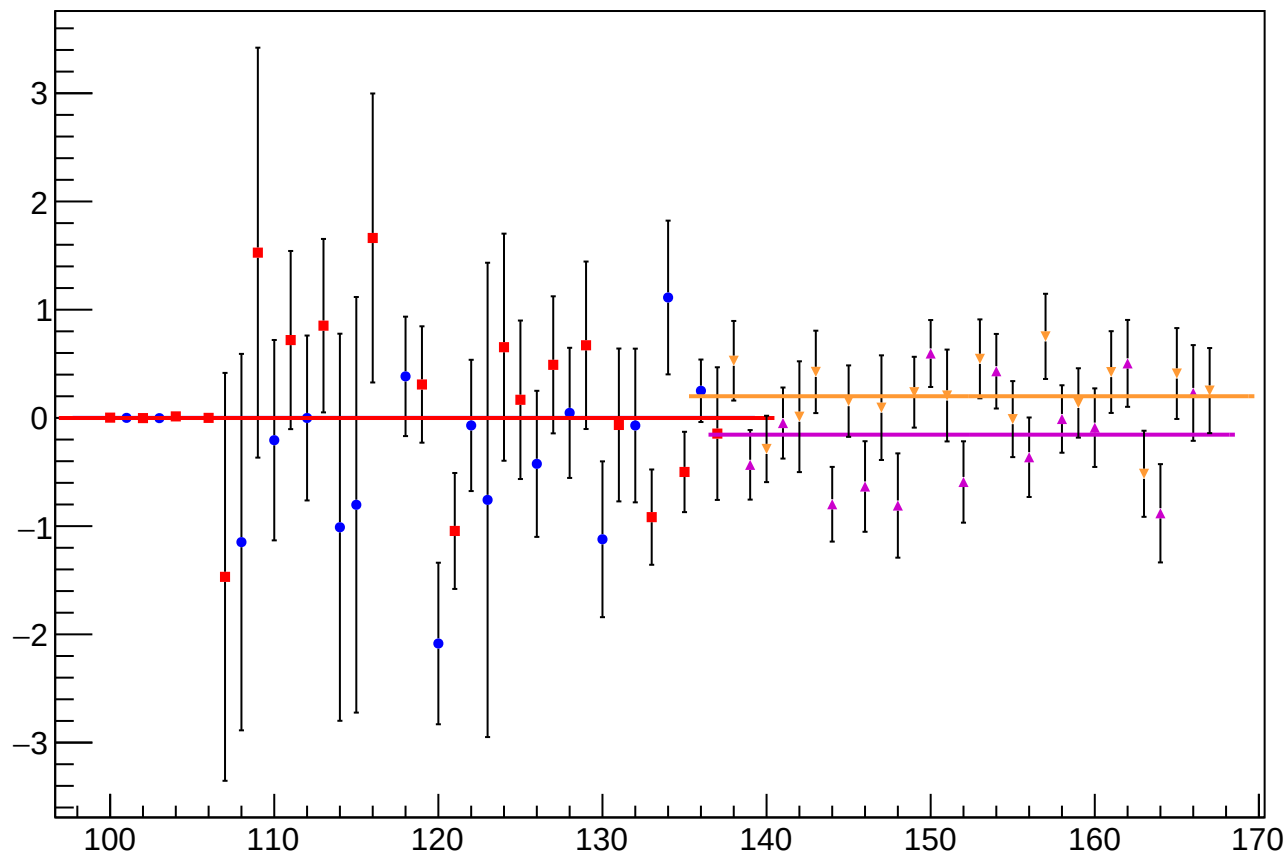
Right: 17.301 $\pm$ 0.010 χ^2 /NDF: 21172771.7/35

In: 18.419 $\pm$ 0.015 χ^2 /NDF: 31911606.4/30

Out: 18.353 $\pm$ 0.014 χ^2 /NDF: 34373642.1/34

All: 18.384 $\pm$ 0.010 χ^2 /NDF: 66285259.3/65

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.200 ± 0.094 χ^2/NDF : 11.0/15

Right Out: -0.001 ± 0.002 χ^2/NDF : 17.8/18

Left In: -0.155 ± 0.098 χ^2/NDF : 24.2/13

Left: 0.031 ± 0.068 χ^2/NDF : 42.1/29

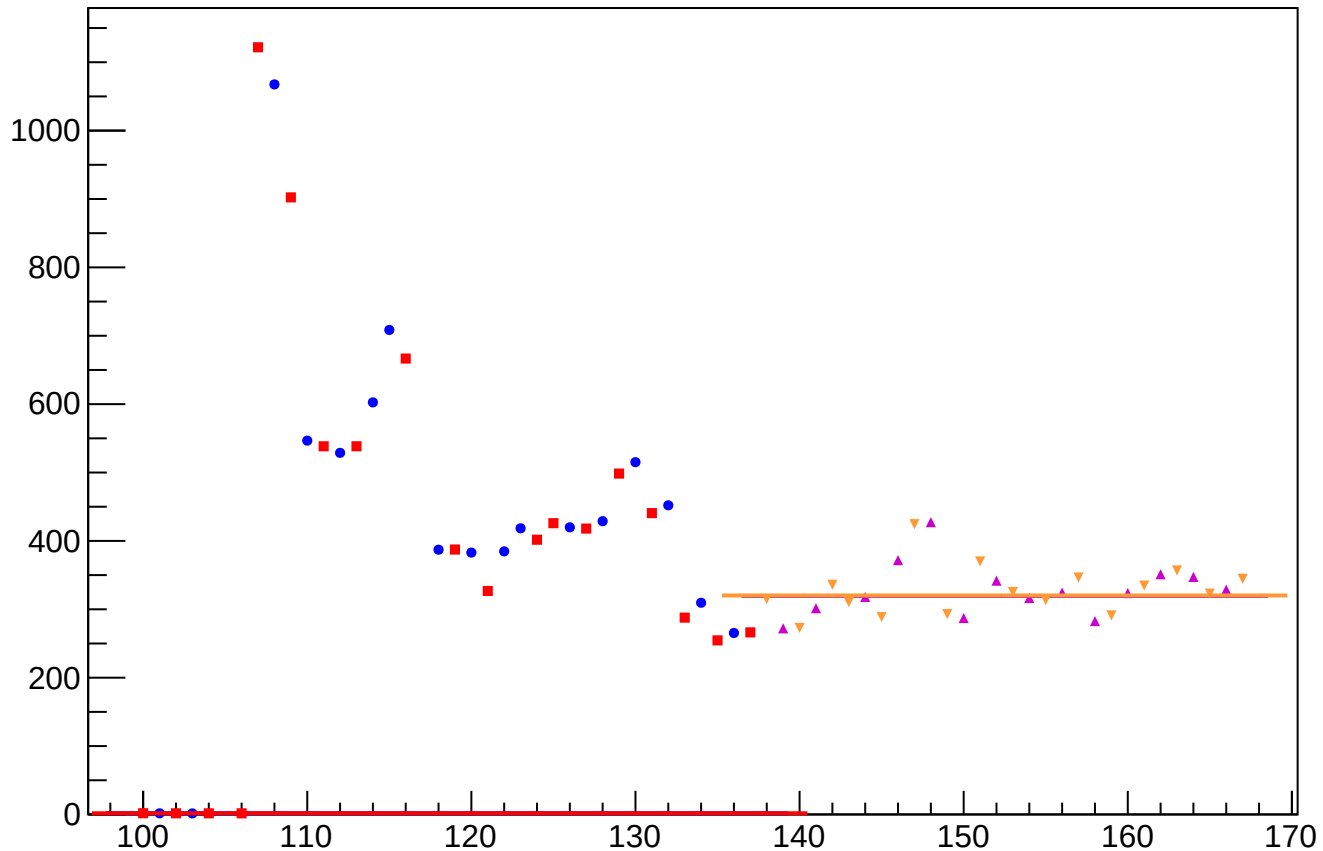
Right: -0.000 ± 0.001 χ^2/NDF : 33.6/35

In: 0.000 ± 0.002 χ^2/NDF : 42.3/30

Out: -0.001 ± 0.002 χ^2/NDF : 33.5/34

All: -0.000 ± 0.001 χ^2/NDF : 75.9/65

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 320.236+/-0.066 χ^2/NDF : 258511.0/15

Right Out: 1.728+/-0.001 χ^2/NDF : 10736674.8/18

Left In: 319.439+/-0.069 χ^2/NDF : 259478.0/13

Left: 319.855+/-0.048 χ^2/NDF : 518058.6/29

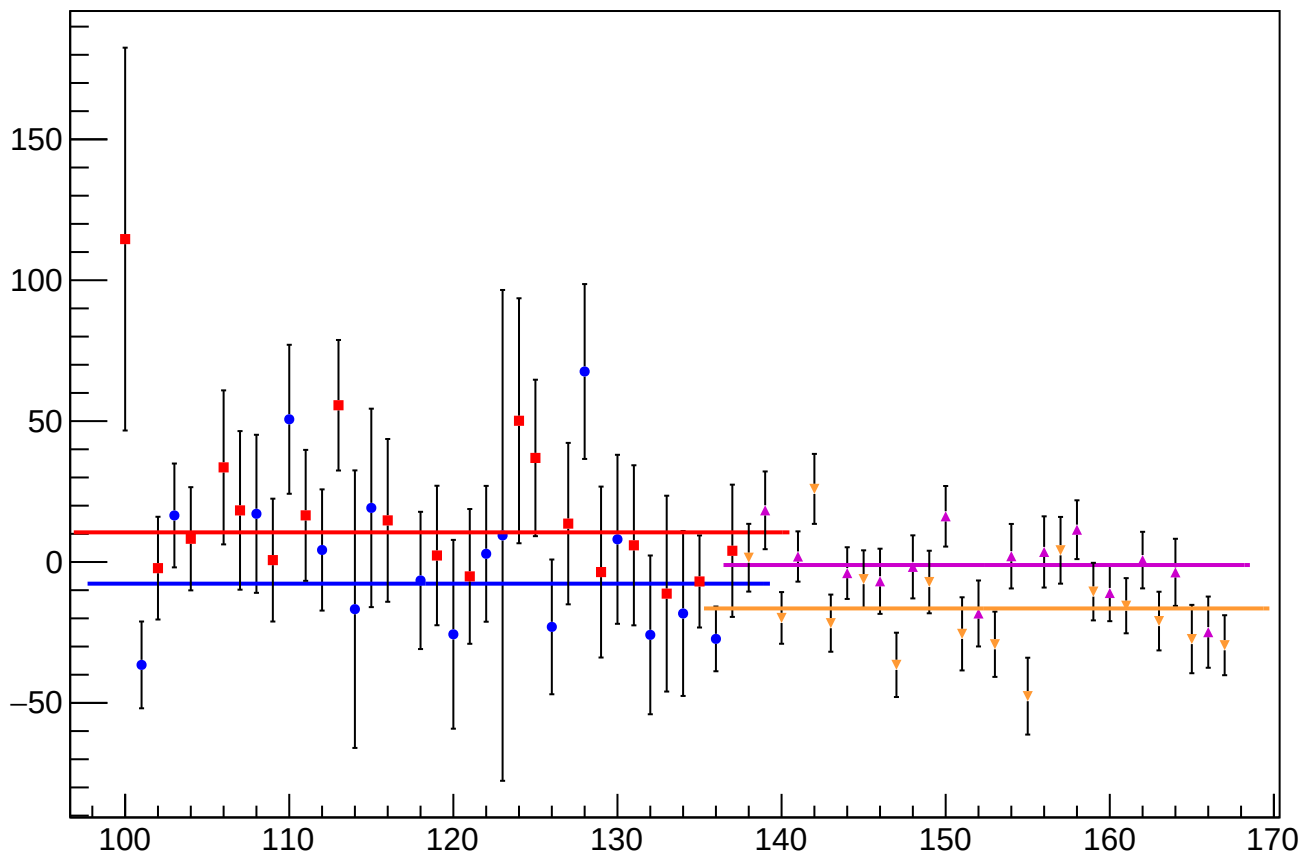
Right: 1.714+/-0.001 χ^2/NDF : 21648518.8/35

In: 1.835+/-0.001 χ^2/NDF : 32317738.4/30

Out: 1.865+/-0.001 χ^2/NDF : 34190423.6/34

All: 1.851+/-0.001 χ^2/NDF : 66508395.3/65

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -16.480 ± 2.761 χ^2/NDF : 31.9/15

Right Out: 10.524 ± 5.682 χ^2/NDF : 11.9/18

Left In: -1.067 ± 2.918 χ^2/NDF : 13.5/13

Left: -9.199 ± 2.006 χ^2/NDF : 60.1/29

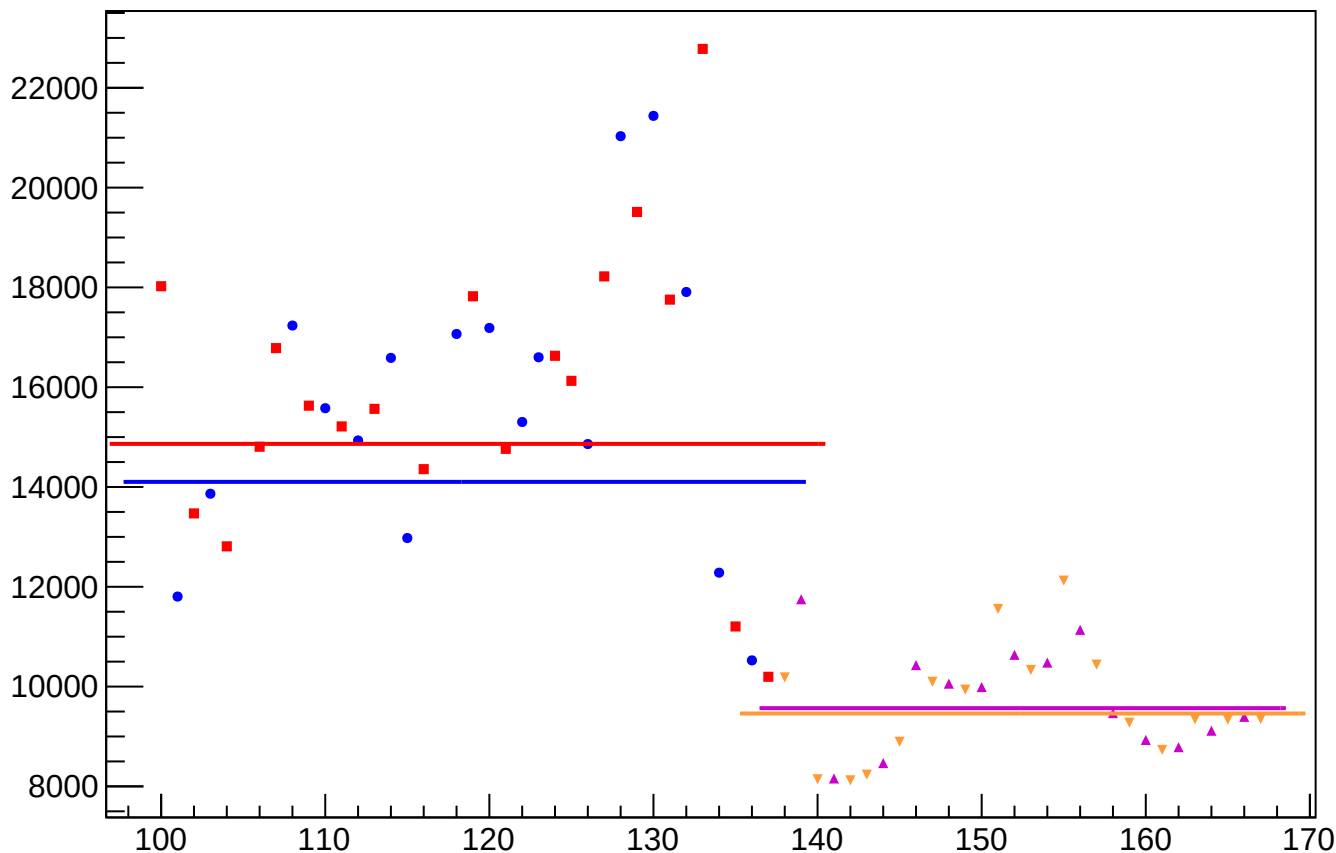
Right: 1.332 ± 3.998 χ^2/NDF : 39.4/35

In: -2.469 ± 2.591 χ^2/NDF : 36.9/30

Out: -11.321 ± 2.484 χ^2/NDF : 62.0/34

All: -7.082 ± 1.793 χ^2/NDF : 105.0/65

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: 9567.691+/-2.063 χ^2/NDF : 230780.3/13

Left: 9511.314+/-1.418 χ^2/NDF : 515129.8/29

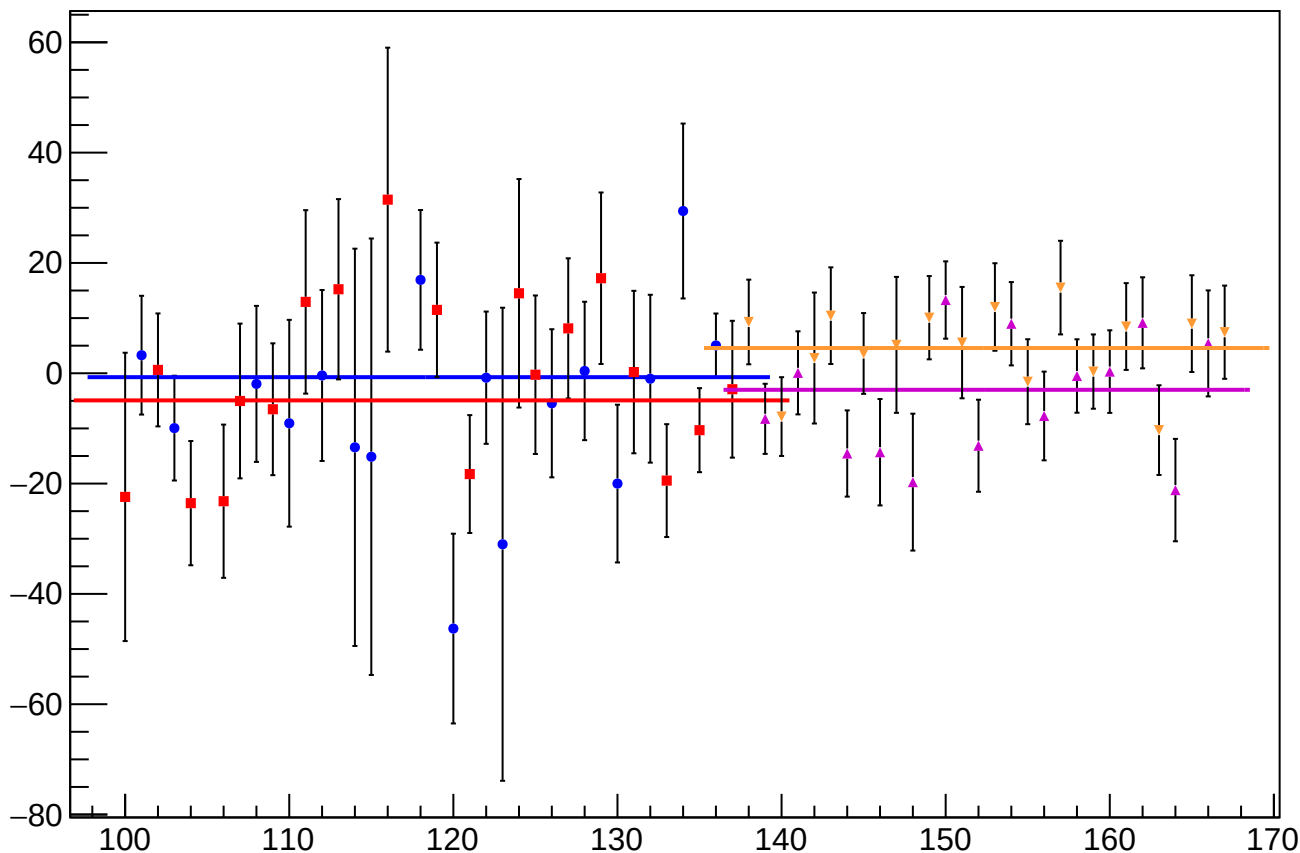
Right: 14479.636+/-2.827 χ^2/NDF : 1087356.3/35

In: 10528.772+/-1.832 χ^2/NDF : 1853311.9/30

Out: 10493.027+/-1.756 χ^2/NDF : 2216218.5/34

All: 10510.146+/-1.268 χ^2/NDF : 4069728.8/66

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 $\pm$ 3.084 χ^2/NDF : 17.6/16

Left Out: 4.576 $\pm$ 2.057 χ^2/NDF :12.0/15

Right Out: -4.918 $\pm$ 2.940 χ^2/NDF : 19.8/18

Left In: -2.998 $\pm$ 2.126 χ^2/NDF :23.1/13

Left: 0.914 $\pm$ 1.478 χ^2/NDF : 41.6/29

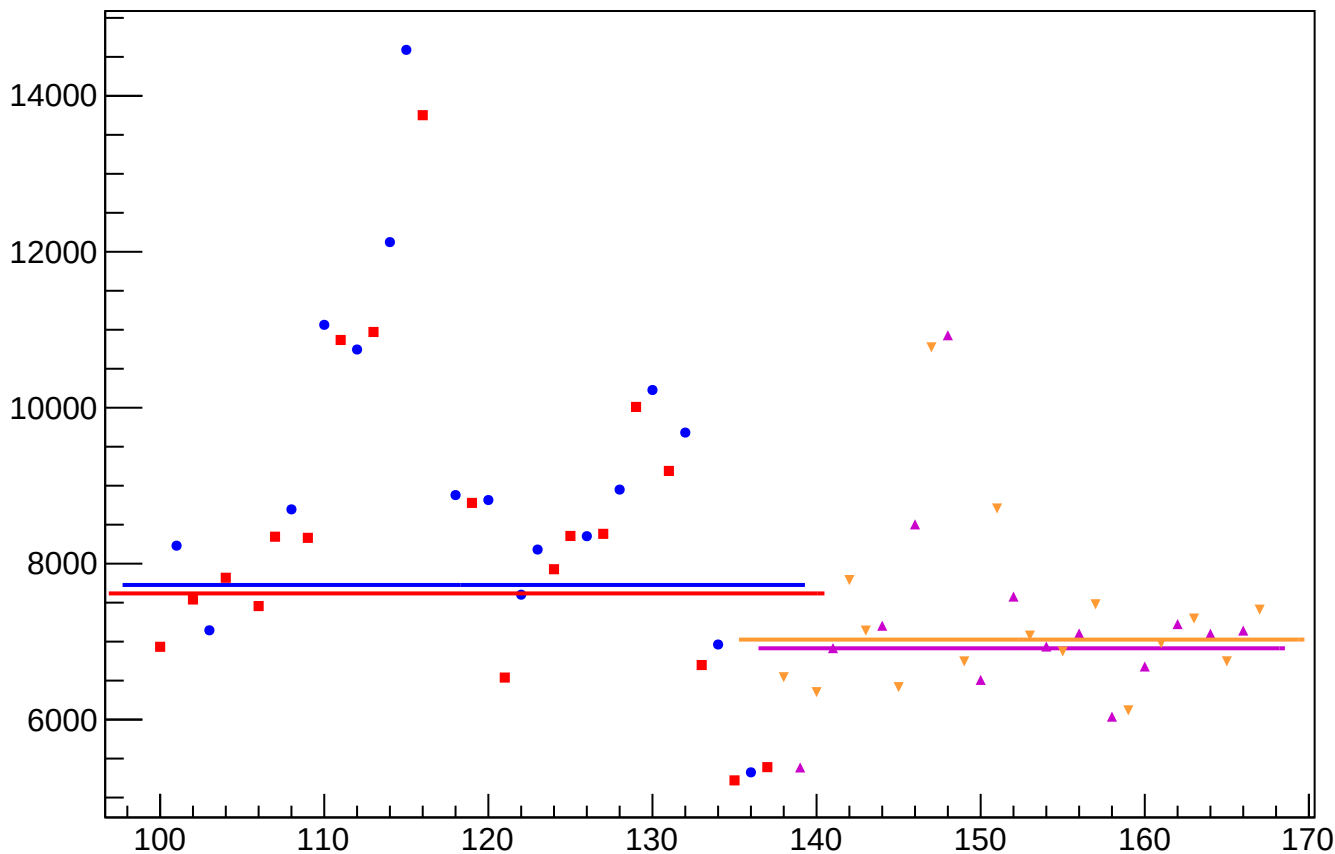
Right: -2.914 $\pm$ 2.128 χ^2/NDF : 38.3/35

In: -2.260 $\pm$ 1.750 χ^2/NDF :41.0/30

Out: 1.455 $\pm$ 1.685 χ^2/NDF :38.7/34

All: -0.333 $\pm$ 1.214 χ^2/NDF : 82.1/65

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7026.009 $\pm$ 1.455 χ^2 /NDF:342775.9/15

Right Out: 7618.206 $\pm$ 2.079 χ^2 /NDF: 675125.4/18

Left In: 6914.314 $\pm$ 1.503 χ^2 /NDF:443878.6/13

Left: 6972.003 $\pm$ 1.045 χ^2 /NDF: 789505.2/29

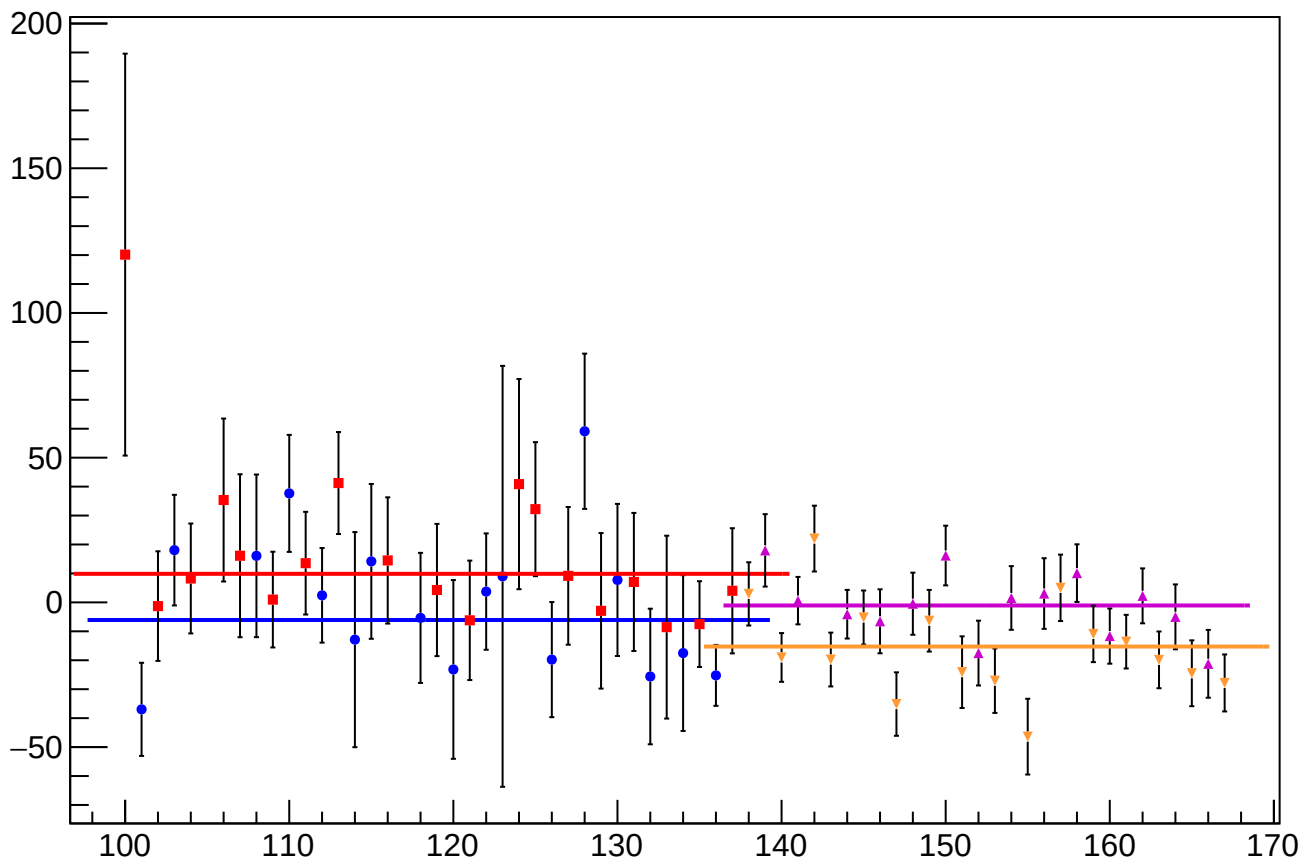
Right: 7669.883 $\pm$ 1.504 χ^2 /NDF: 1418936.4/35

In: 7176.118 $\pm$ 1.238 χ^2 /NDF:1280490.0/30

Out: 7220.700 $\pm$ 1.192 χ^2 /NDF:1072386.9/34

All: 7199.251 $\pm$ 0.859 χ^2 /NDF: 2353550.1/65

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -15.261 ± 2.590 $\chi^2/\text{NDF}: 32.3/15$

Right Out: 9.864 ± 5.004 $\chi^2/\text{NDF}: 11.6/18$

Left In: -1.071 ± 2.751 $\chi^2/\text{NDF}: 13.6/13$

Left: -8.595 ± 1.886 $\chi^2/\text{NDF}: 59.9/29$

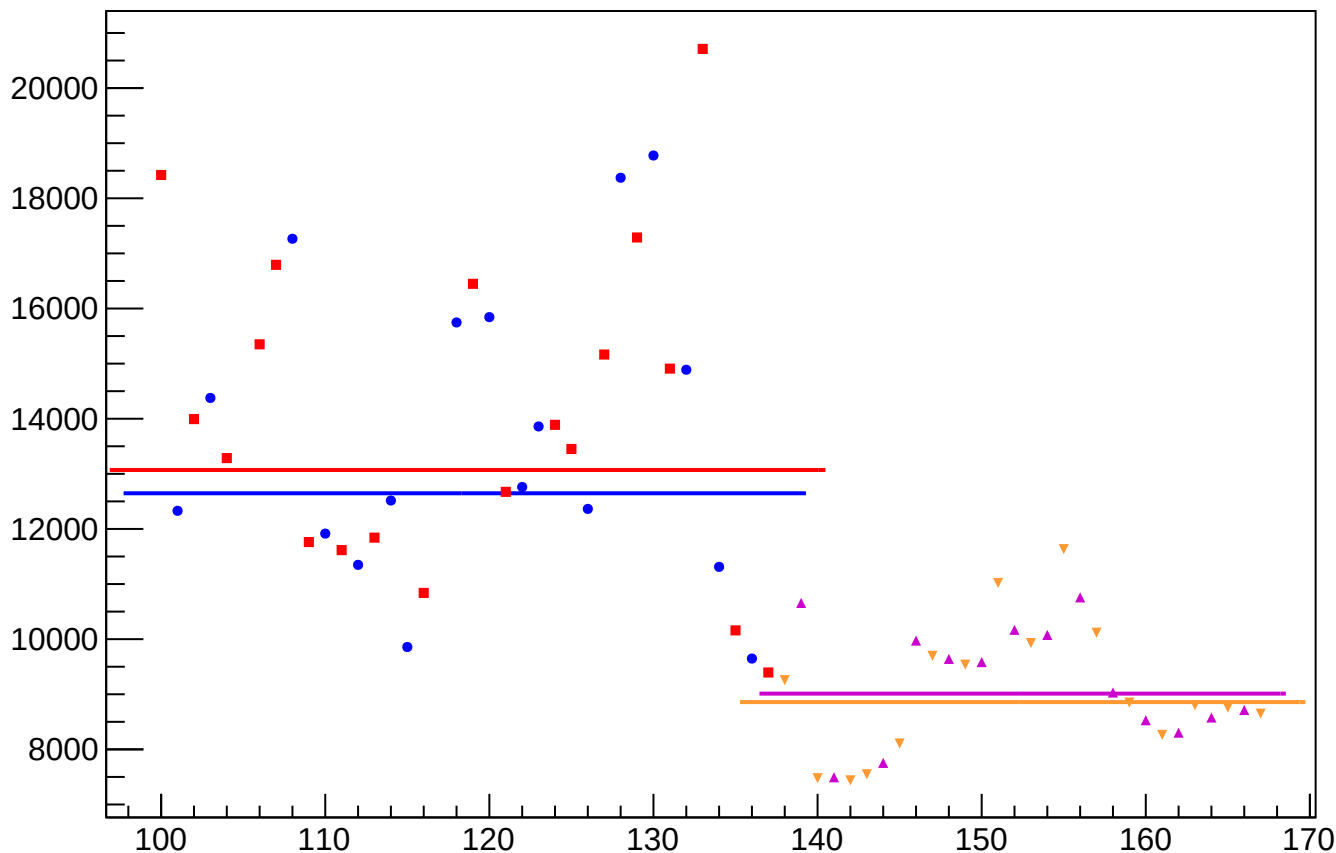
Right: 1.934 ± 3.549 $\chi^2/\text{NDF}: 39.6/35$

In: -2.226 ± 2.414 $\chi^2/\text{NDF}: 37.2/30$

Out: -9.952 ± 2.300 $\chi^2/\text{NDF}: 63.8/34$

All: -6.276 ± 1.665 $\chi^2/\text{NDF}: 106.4/65$

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: 9011.832+/-1.946 χ^2/NDF : 277802.9/13

Left: 8930.359+/-1.334 χ^2/NDF : 644205.3/29

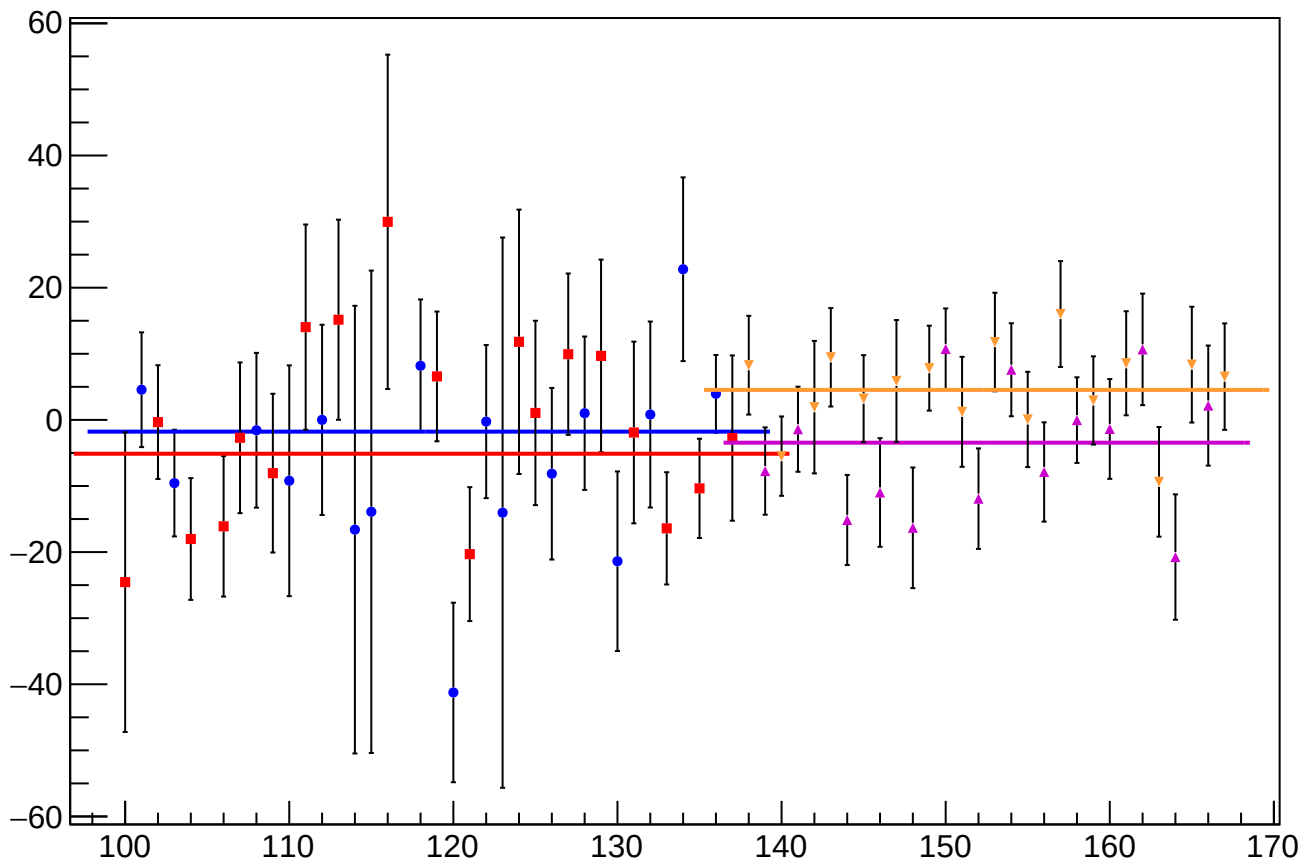
Right: 12859.864+/-2.509 χ^2/NDF : 1057685.3/35

In: 9848.157+/-1.707 χ^2/NDF : 1635335.2/30

Out: 9748.230+/-1.626 χ^2/NDF : 1977009.5/34

All: 9795.775+/-1.178 χ^2/NDF : 3614140.7/65

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 4.537 ± 1.885 χ^2/NDF : 10.8/15

Right Out: -5.122 ± 2.642 χ^2/NDF : 18.9/18

Left In: -3.450 ± 1.977 χ^2/NDF : 22.6/13

Left: 0.735 ± 1.364 χ^2/NDF : 41.9/29

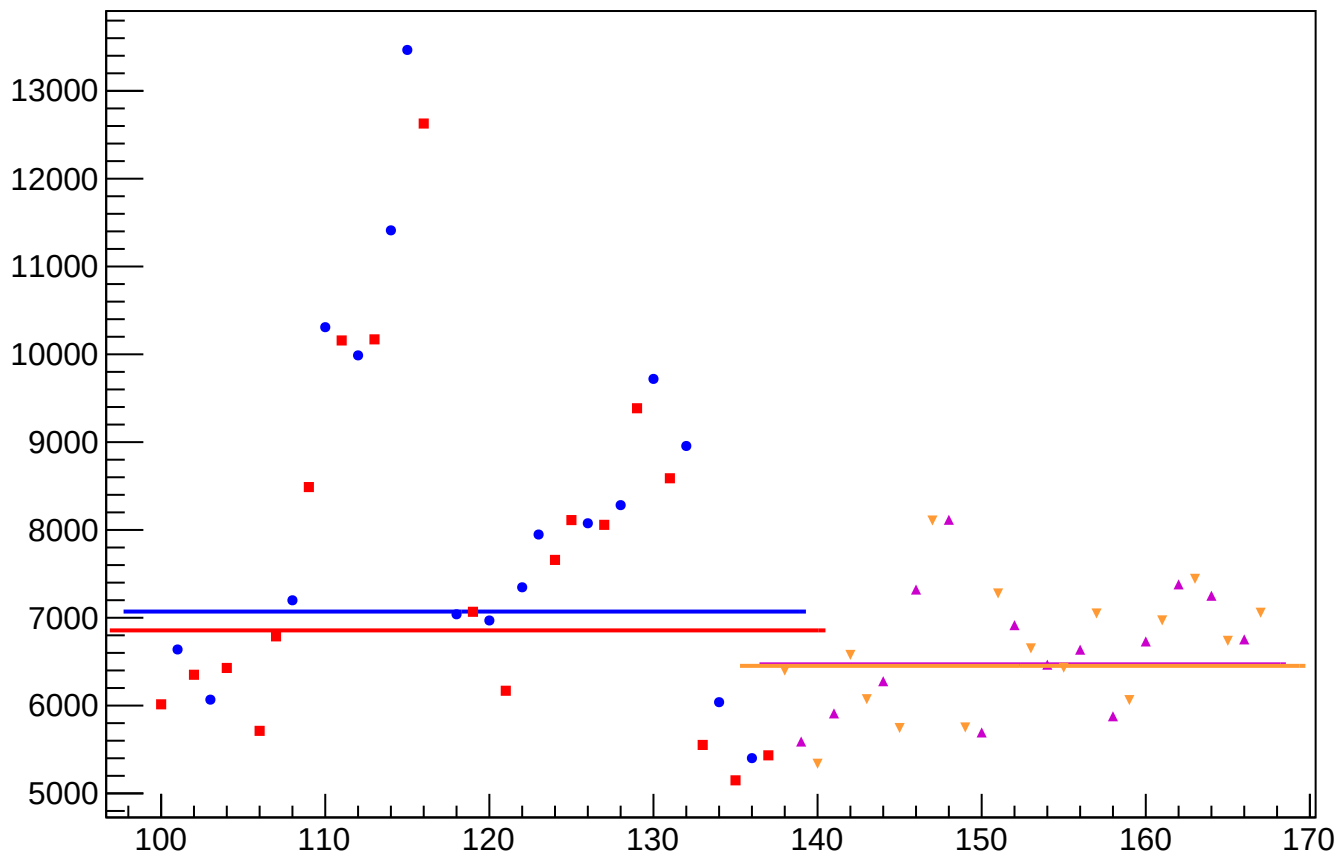
Right: -3.550 ± 1.923 χ^2/NDF : 37.6/35

In: -2.895 ± 1.616 χ^2/NDF : 40.8/30

Out: 1.280 ± 1.534 χ^2/NDF : 38.5/34

All: -0.699 ± 1.113 χ^2/NDF : 82.8/65

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 ± 1.984 $\chi^2/\text{NDF}: 601692.5/16$

Left Out: 6452.351 ± 1.333 $\chi^2/\text{NDF}: 275593.8/15$

Right Out: 6856.136 ± 1.868 $\chi^2/\text{NDF}: 682220.3/18$

Left In: 6469.652 ± 1.398 $\chi^2/\text{NDF}: 236404.1/13$

Left: 6460.588 ± 0.965 $\chi^2/\text{NDF}: 512078.1/29$

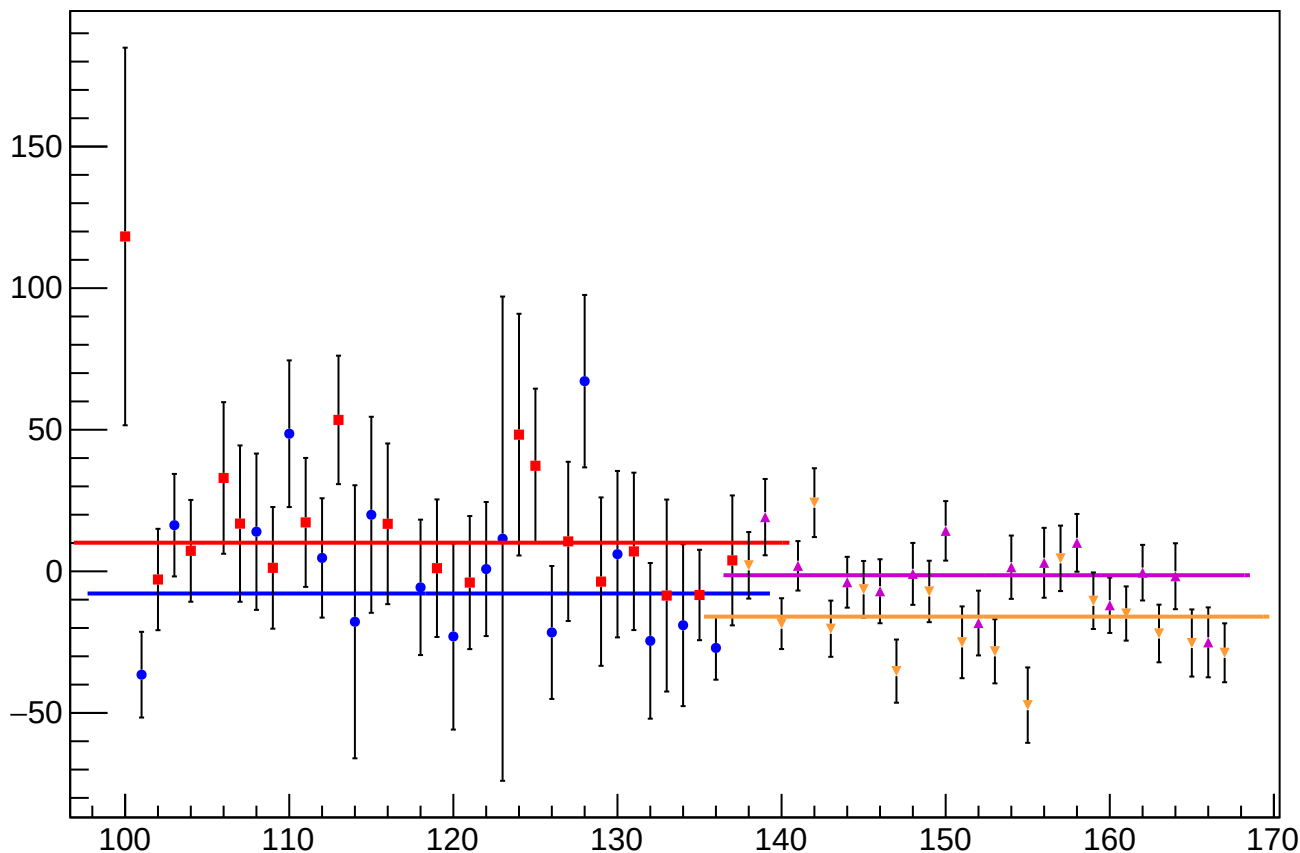
Right: 6956.947 ± 1.360 $\chi^2/\text{NDF}: 1290110.2/35$

In: 6669.021 ± 1.143 $\chi^2/\text{NDF}: 899415.3/30$

Out: 6588.522 ± 1.085 $\chi^2/\text{NDF}: 988778.5/34$

All: 6626.680 ± 0.787 $\chi^2/\text{NDF}: 1890803.9/65$

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: -1.372 ± 2.852 $\chi^2/\text{NDF}: 13.5/13$

Left: -9.086 ± 1.961 $\chi^2/\text{NDF}: 58.7/29$

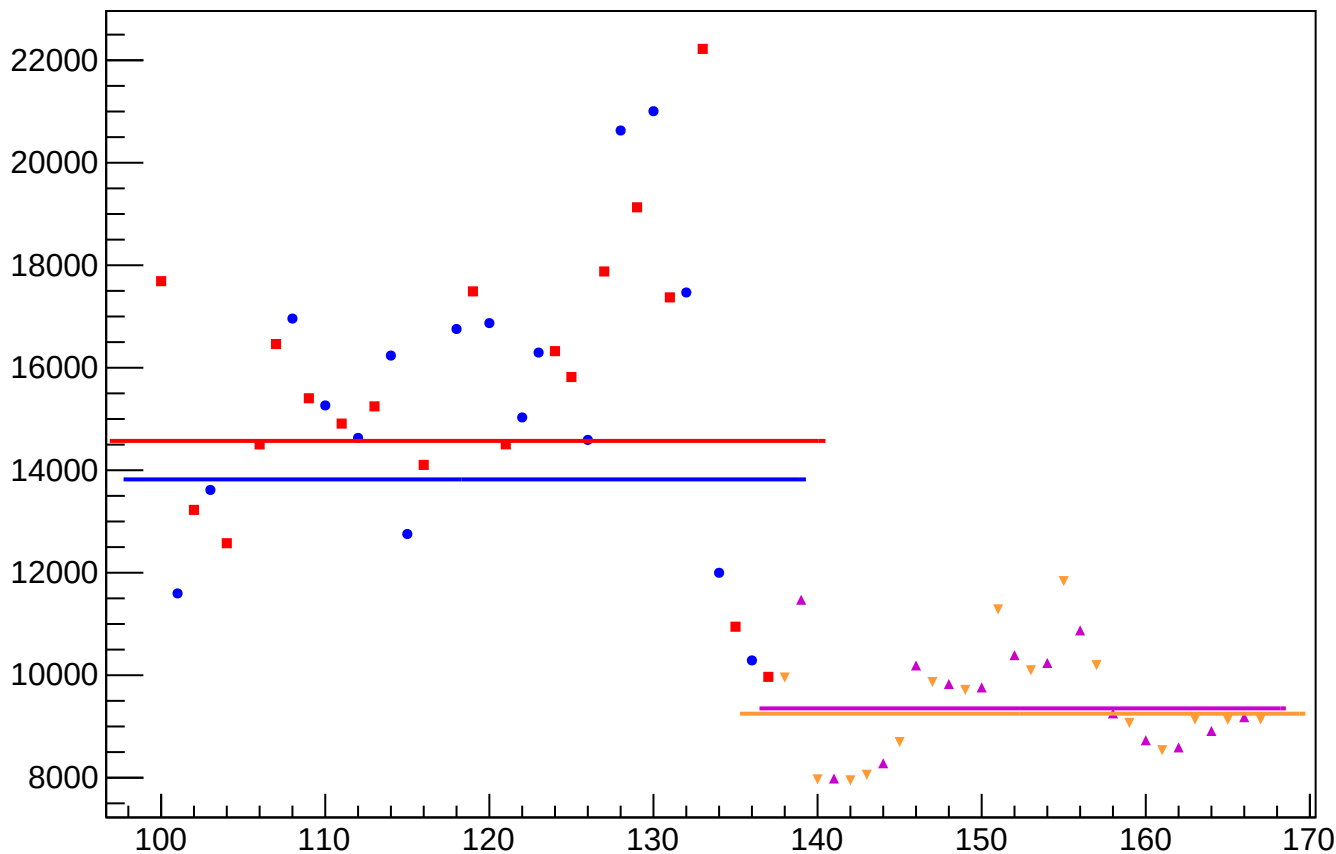
Right: 1.056 ± 3.920 $\chi^2/\text{NDF}: 39.7/35$

In: -2.733 ± 2.534 $\chi^2/\text{NDF}: 36.9/30$

Out: -11.030 ± 2.429 $\chi^2/\text{NDF}: 61.3/34$

All: -7.057 ± 1.753 $\chi^2/\text{NDF}: 103.8/65$

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: 9353.014+/-2.017 χ^2/NDF : 228013.2/13

Left: 9298.499+/-1.386 χ^2/NDF : 509124.7/29

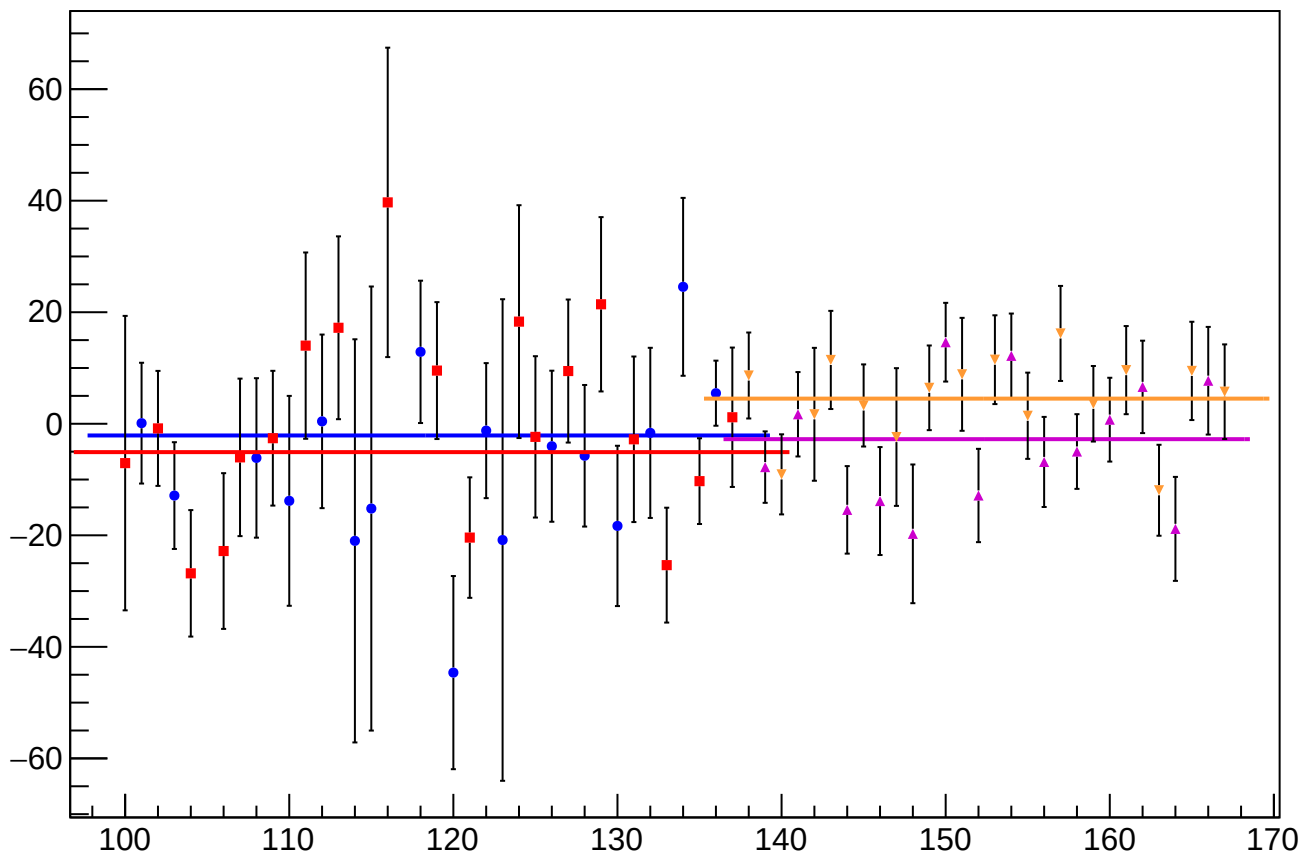
Right: 14193.062+/-2.772 χ^2/NDF : 1093505.5/35

In: 10295.828+/-1.792 χ^2/NDF : 1866197.2/30

Out: 10261.645+/-1.718 χ^2/NDF : 2230730.1/34

All: 10278.017+/-1.240 χ^2/NDF : 4097117.0/66

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 4.509 ± 2.066 $\chi^2/\text{NDF}: 12.8/15$

Right Out: -5.085 ± 2.962 $\chi^2/\text{NDF}: 24.8/18$

Left In: -2.761 ± 2.136 $\chi^2/\text{NDF}: 24.2/13$

Left: 0.995 ± 1.485 $\chi^2/\text{NDF}: 42.9/29$

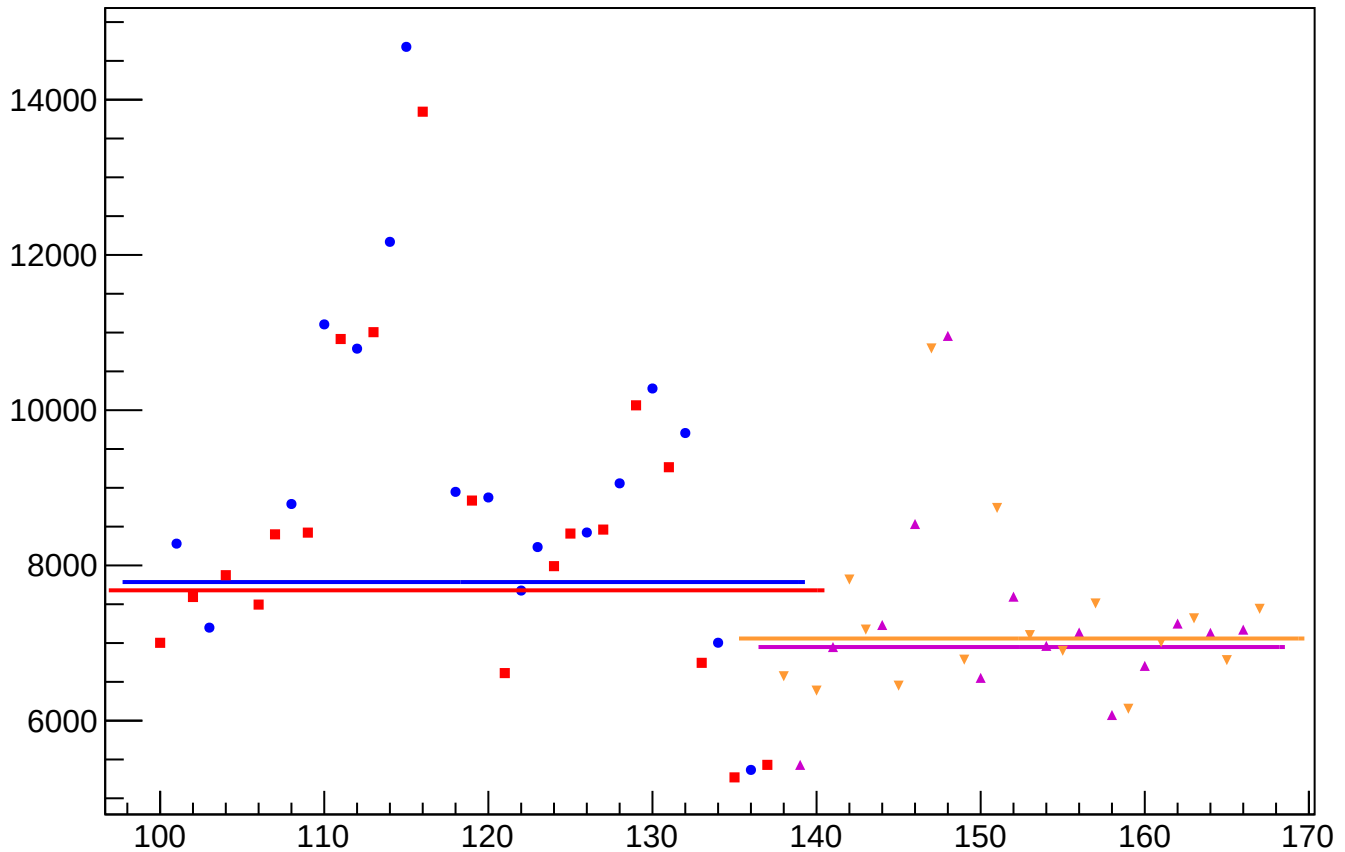
Right: -3.662 ± 2.144 $\chi^2/\text{NDF}: 40.9/35$

In: -2.548 ± 1.760 $\chi^2/\text{NDF}: 39.9/30$

Out: 1.369 ± 1.695 $\chi^2/\text{NDF}: 44.6/34$

All: -0.515 ± 1.221 $\chi^2/\text{NDF}: 87.0/65$

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: 6948.736 $\pm$ 1.511 χ^2 /NDF:436601.4/13

Left: 7005.451 $\pm$ 1.050 χ^2 /NDF: 778230.5/29

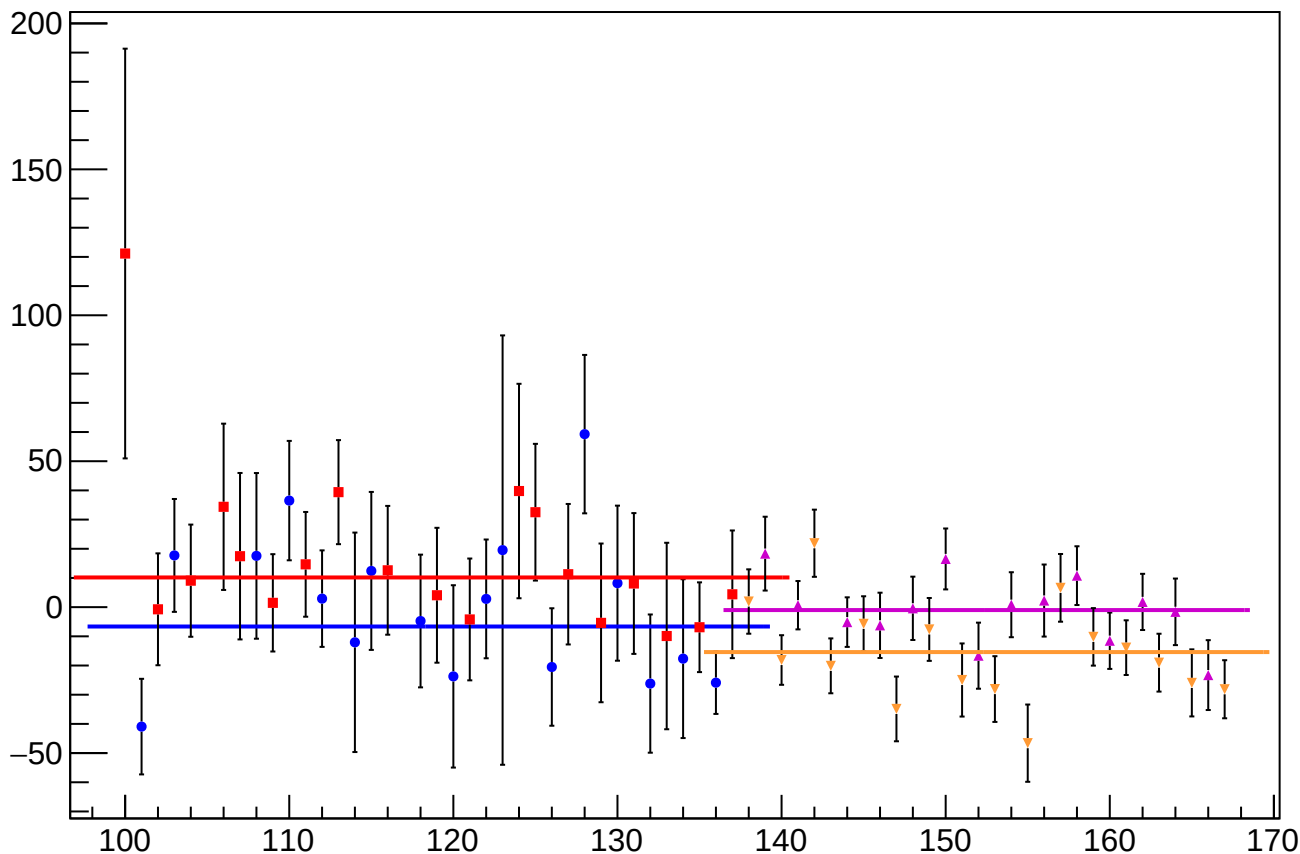
Right: 7730.020 $\pm$ 1.516 χ^2 /NDF: 1408075.7/35

In: 7217.531 $\pm$ 1.245 χ^2 /NDF:1273325.5/30

Out: 7261.677 $\pm$ 1.198 χ^2 /NDF:1066700.7/34

All: 7240.440 $\pm$ 0.863 χ^2 /NDF: 2340679.1/65

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 $\pm$ 5.101 χ^2 /NDF: 23.4/16

Left Out: -15.393 $\pm$ 2.618 χ^2 /NDF:31.9/15

Right Out: 10.172 $\pm$ 5.075 χ^2 /NDF: 10.8/18

Left In: -1.002 $\pm$ 2.786 χ^2 /NDF:13.8/13

Left: -8.643 $\pm$ 1.908 χ^2 /NDF: 59.8/29

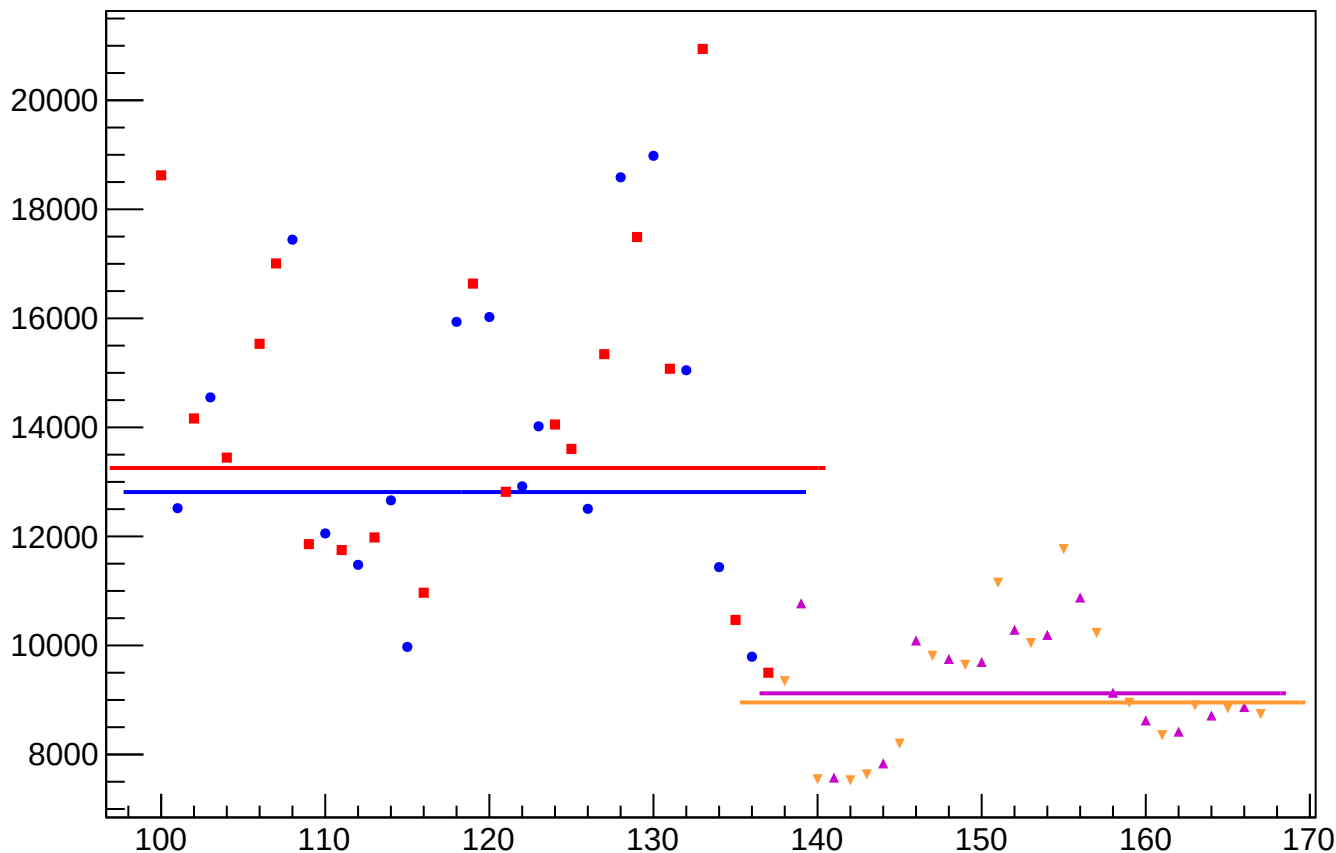
Right: 1.813 $\pm$ 3.598 χ^2 /NDF: 39.7/35

In: -2.295 $\pm$ 2.445 χ^2 /NDF:38.1/30

Out: -10.018 $\pm$ 2.327 χ^2 /NDF:62.7/34

All: -6.348 $\pm$ 1.686 χ^2 /NDF: 106.1/65

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8954.597+/-1.851 χ^2/NDF : 364700.7/15

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

Left In: 9121.730+/-1.970 χ^2/NDF : 276995.0/13

Left: 9032.989+/-1.349 χ^2/NDF : 645517.9/29

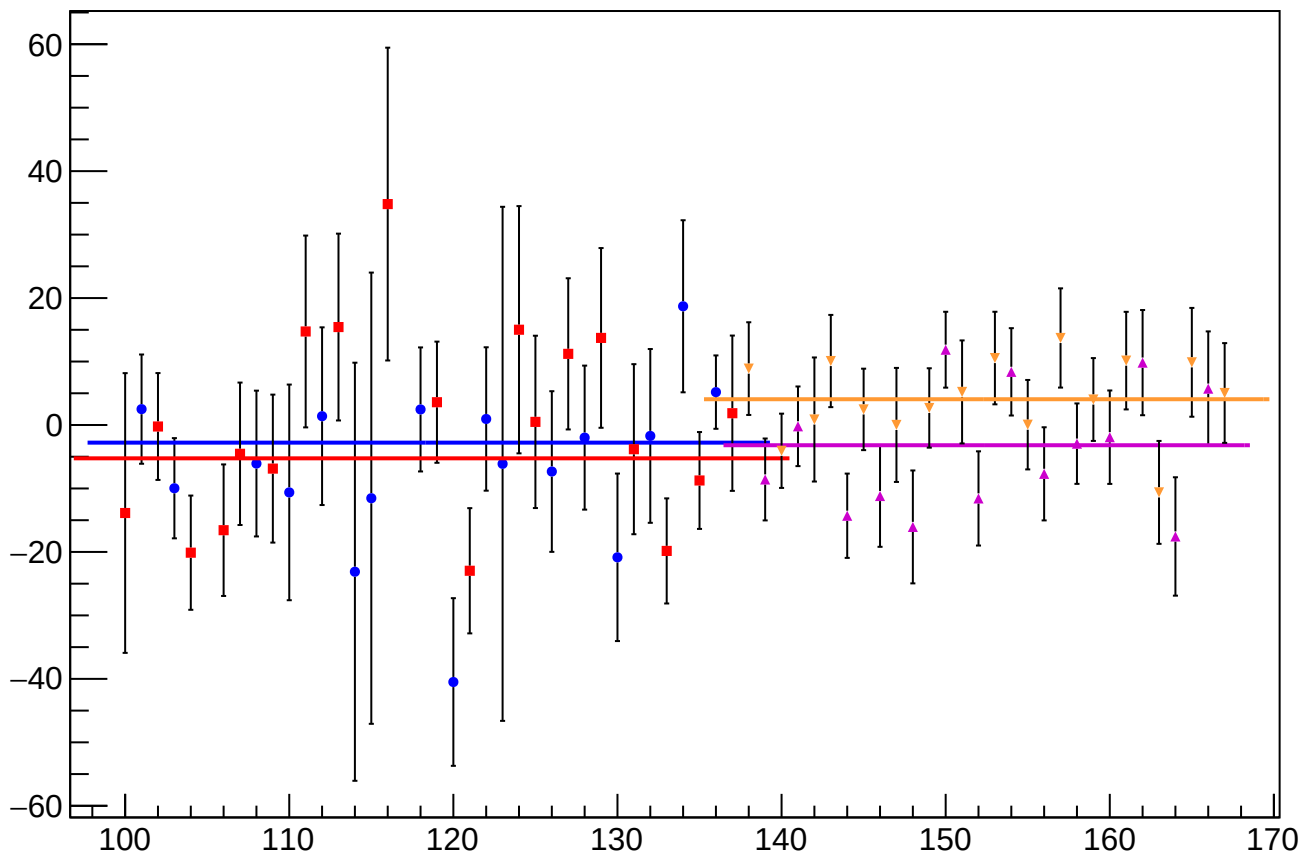
Right: 13035.784+/-2.544 χ^2/NDF : 1039954.9/35

In: 9969.828+/-1.729 χ^2/NDF : 1632056.9/30

Out: 9858.819+/-1.645 χ^2/NDF : 1983522.5/34

All: 9911.578+/-1.192 χ^2/NDF : 3617742.8/65

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 4.061 ± 1.840 $\chi^2/\text{NDF}: 10.5/15$

Right Out: -5.252 ± 2.590 $\chi^2/\text{NDF}: 23.5/18$

Left In: -3.187 ± 1.932 $\chi^2/\text{NDF}: 23.5/13$

Left: 0.614 ± 1.332 $\chi^2/\text{NDF}: 41.4/29$

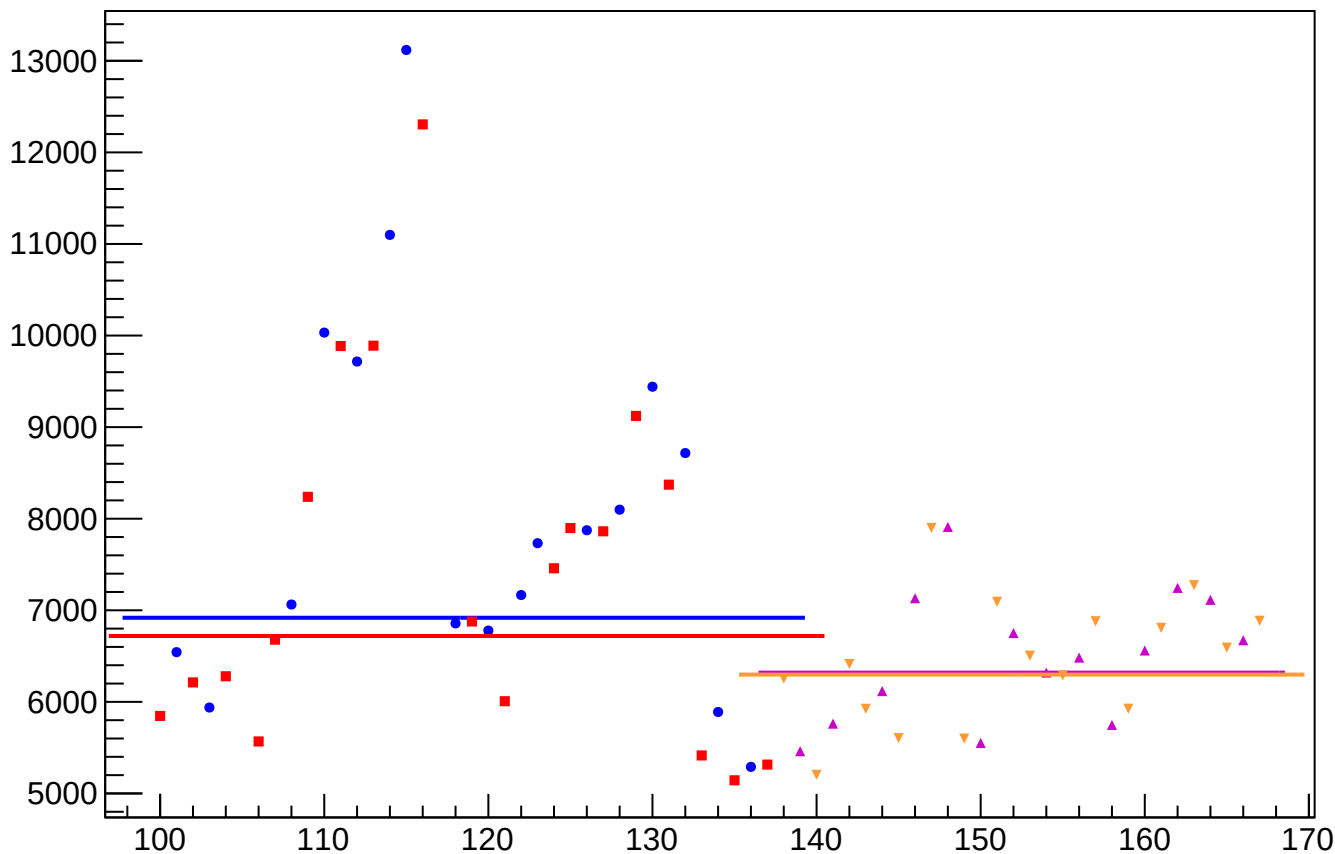
Right: -4.088 ± 1.884 $\chi^2/\text{NDF}: 41.0/35$

In: -3.052 ± 1.580 $\chi^2/\text{NDF}: 40.5/30$

Out: 0.938 ± 1.500 $\chi^2/\text{NDF}: 42.6/34$

All: -0.953 ± 1.088 $\chi^2/\text{NDF}: 86.5/65$

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6298.077+/-1.301 χ^2/NDF : 277261.0/15

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

Left In: 6319.731+/-1.366 χ^2/NDF : 239218.5/13

Left: 6308.373+/-0.942 χ^2/NDF : 516611.3/29

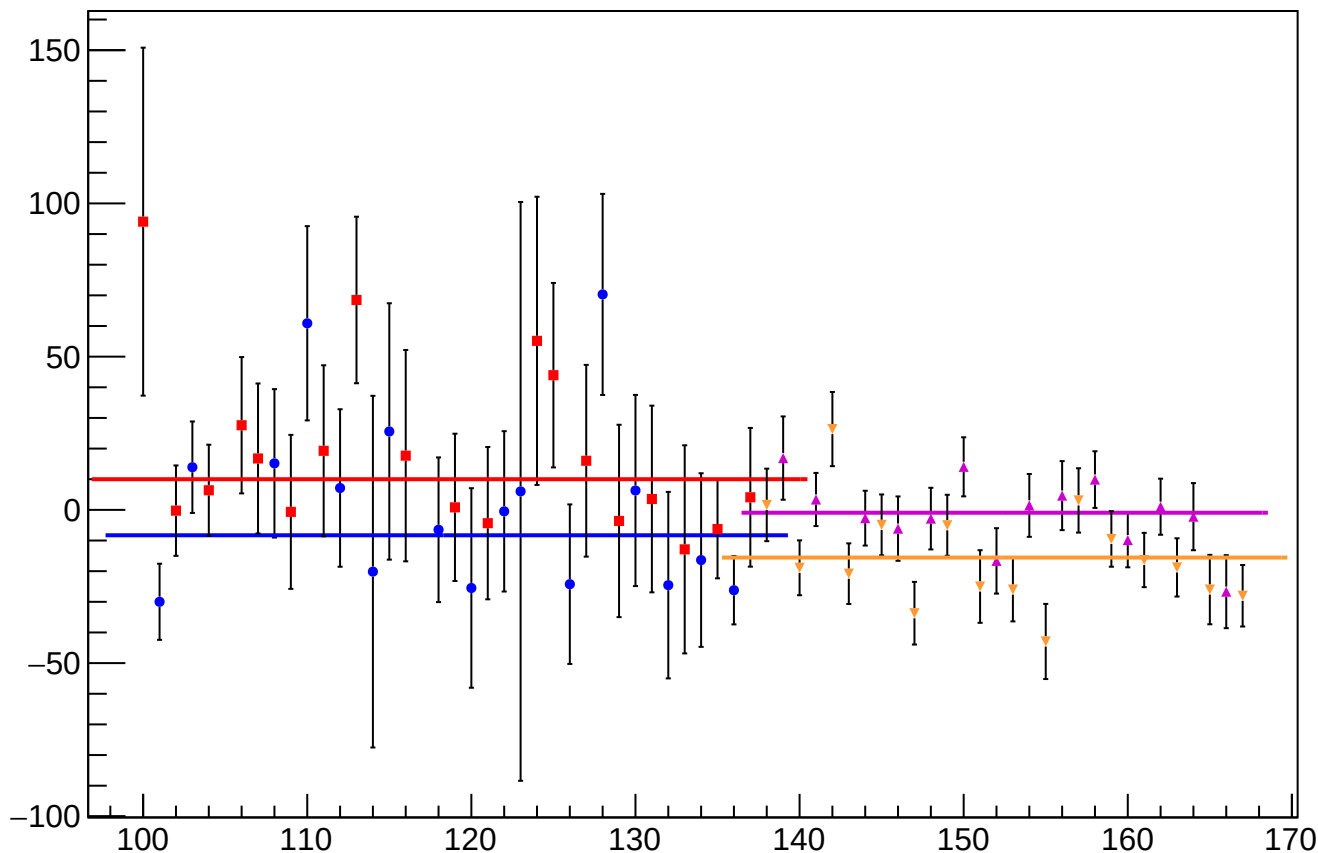
Right: 6813.106+/-1.332 χ^2/NDF : 1247373.6/35

In: 6517.909+/-1.117 χ^2/NDF : 890776.3/30

Out: 6439.375+/-1.060 χ^2/NDF : 966279.3/34

All: 6476.586+/-0.769 χ^2/NDF : 1859654.4/65

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -15.559 ± 2.562 $\chi^2/\text{NDF}: 32.7/15$

Right Out: 10.007 ± 5.513 $\chi^2/\text{NDF}: 12.9/18$

Left In: -0.928 ± 2.684 $\chi^2/\text{NDF}: 14.3/13$

Left: -8.582 ± 1.853 $\chi^2/\text{NDF}: 62.5/29$

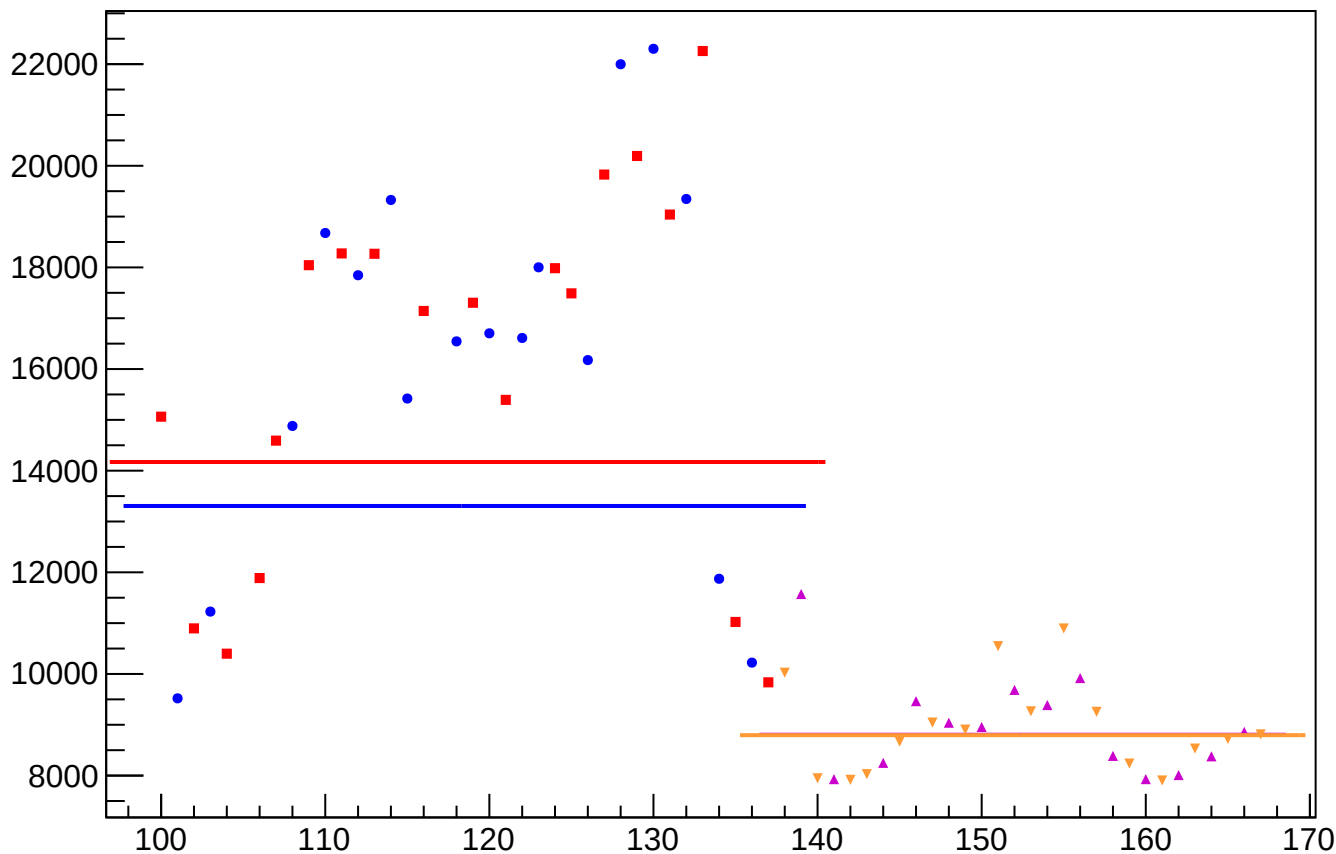
Right: 0.688 ± 3.861 $\chi^2/\text{NDF}: 40.2/35$

In: -2.381 ± 2.404 $\chi^2/\text{NDF}: 37.5/30$

Out: -11.017 ± 2.324 $\chi^2/\text{NDF}: 63.3/34$

All: -6.846 ± 1.671 $\chi^2/\text{NDF}: 107.5/65$

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: 8804.016+/-1.898 χ^2/NDF : 201838.7/13

Left: 8799.545+/-1.310 χ^2/NDF : 405514.7/29

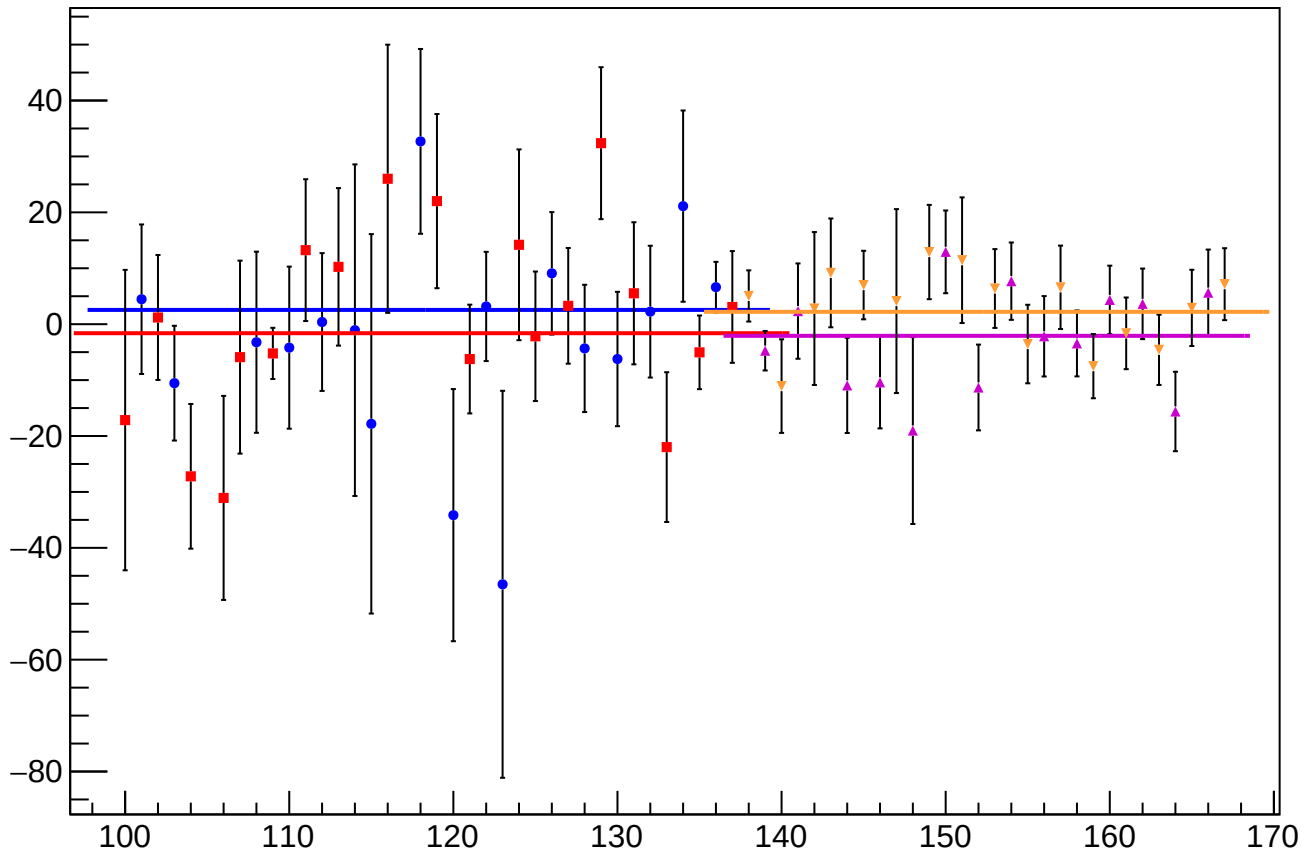
Right: 13729.884+/-2.730 χ^2/NDF : 1999799.5/35

In: 9692.962+/-1.700 χ^2/NDF : 2357052.6/30

Out: 9750.278+/-1.643 χ^2/NDF : 2697766.1/34

All: 9722.597+/-1.181 χ^2/NDF : 5055406.4/65

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: -2.083 ± 1.772 $\chi^2/\text{NDF}: 18.1/13$

Left: 0.050 ± 1.257 $\chi^2/\text{NDF}: 33.7/29$

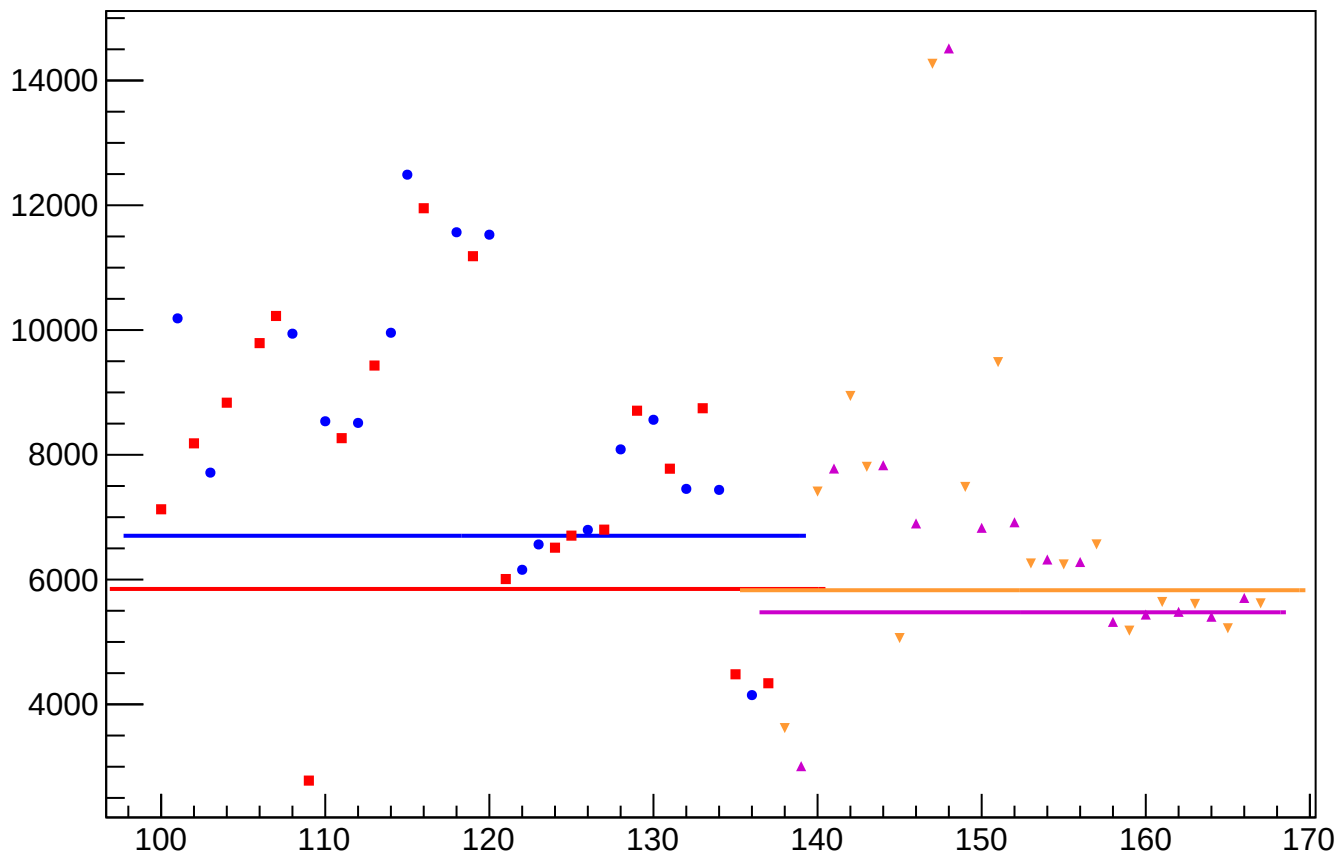
Right: 0.218 ± 1.828 $\chi^2/\text{NDF}: 38.9/35$

In: -0.728 ± 1.490 $\chi^2/\text{NDF}: 33.8/30$

Out: 0.881 ± 1.440 $\chi^2/\text{NDF}: 38.3/34$

All: 0.104 ± 1.036 $\chi^2/\text{NDF}: 72.7/65$

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: 5475.562+/-1.253 χ^2/NDF : 2114992.9/13

Left: 5651.192+/-0.889 χ^2/NDF : 3806399.1/29

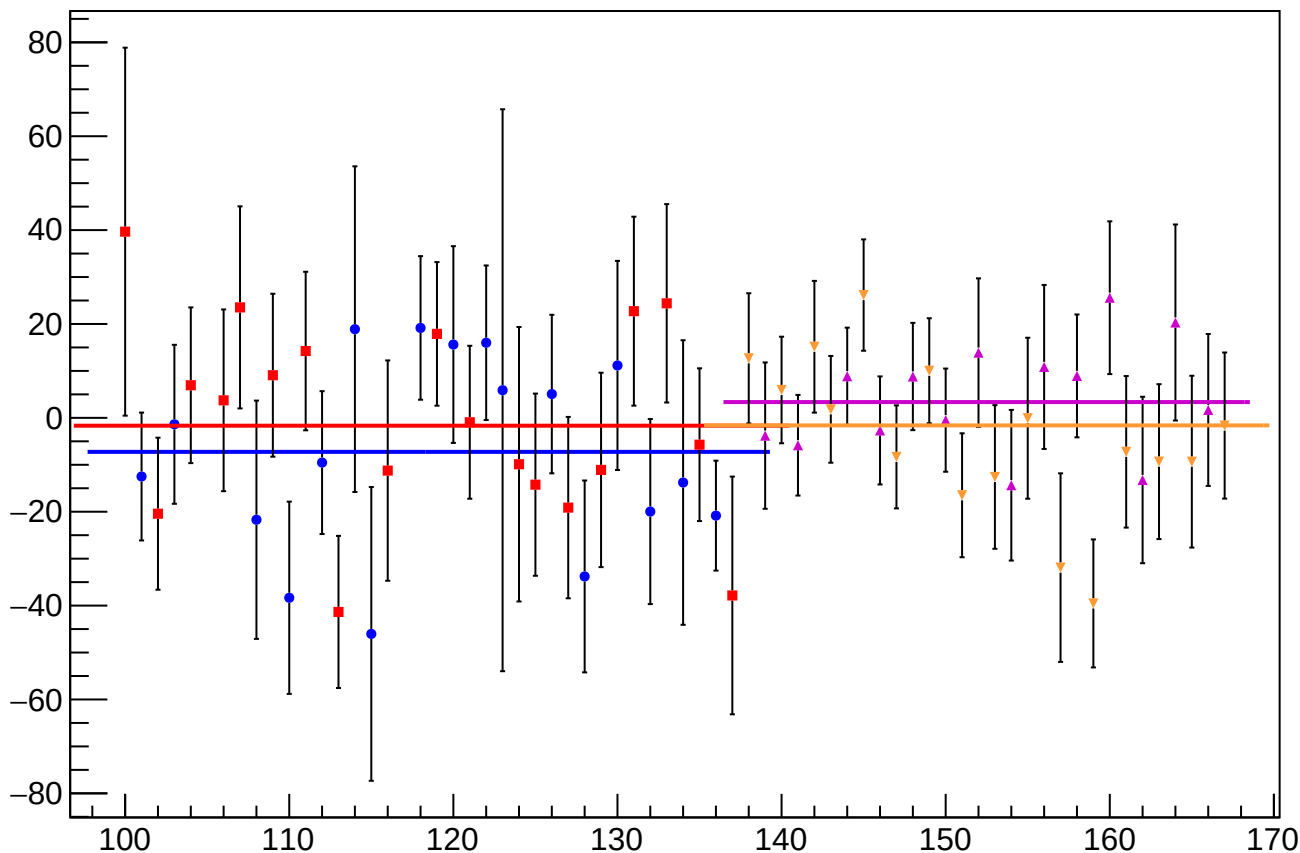
Right: 6224.538+/-1.293 χ^2/NDF : 3775609.7/35

In: 5834.140+/-1.054 χ^2/NDF : 3785186.9/30

Out: 5836.302+/-1.019 χ^2/NDF : 3930390.9/34

All: 5835.258+/-0.732 χ^2/NDF : 7715580.0/65

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 ± 4.547 $\chi^2/\text{NDF}: 15.9/16$

Left Out: -1.608 ± 3.428 $\chi^2/\text{NDF}: 22.3/15$

Right Out: -1.671 ± 4.373 $\chi^2/\text{NDF}: 19.9/18$

Left In: 3.362 ± 3.635 $\chi^2/\text{NDF}: 7.3/13$

Left: 0.732 ± 2.494 $\chi^2/\text{NDF}: 30.6/29$

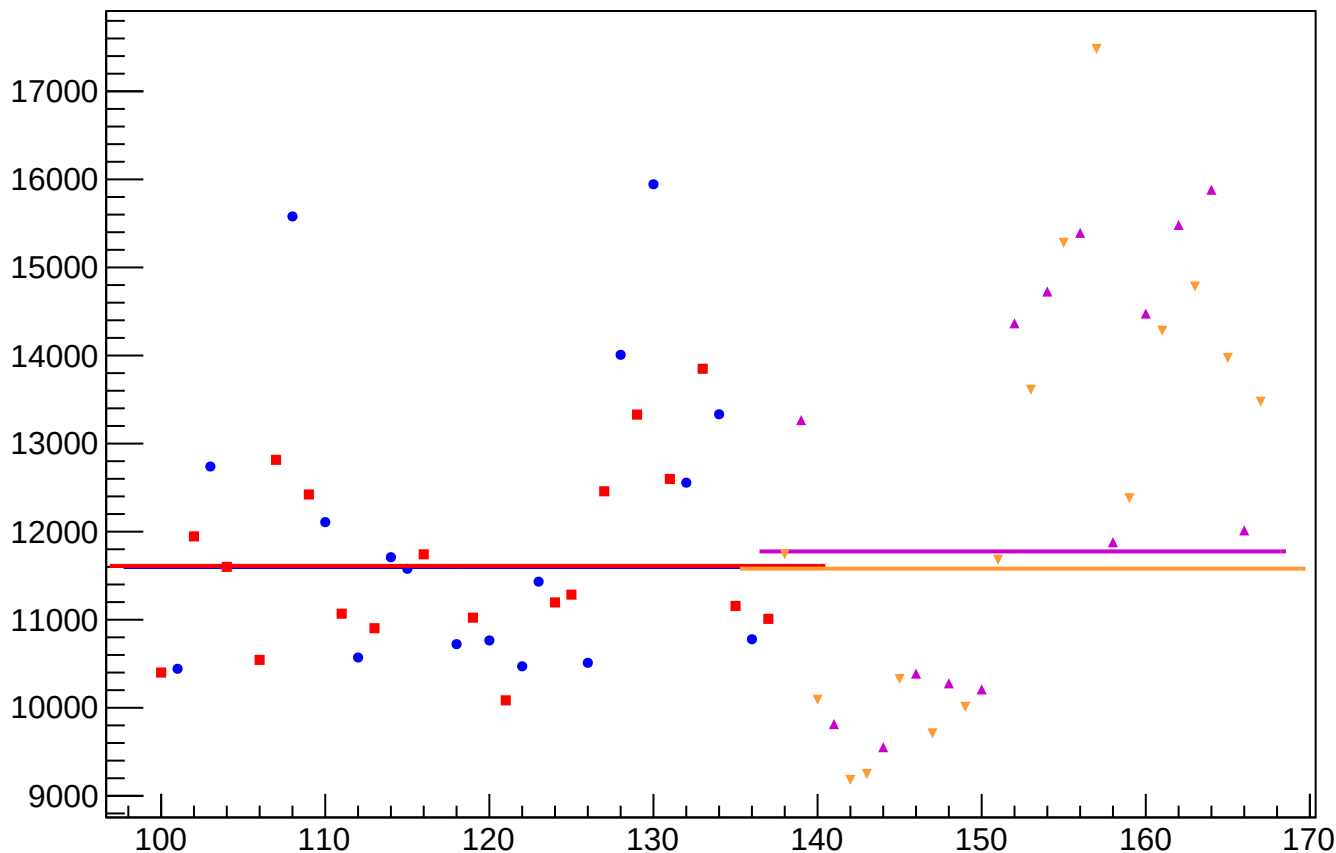
Right: -4.349 ± 3.152 $\chi^2/\text{NDF}: 36.6/35$

In: -0.773 ± 2.839 $\chi^2/\text{NDF}: 26.6/30$

Out: -1.632 ± 2.698 $\chi^2/\text{NDF}: 42.1/34$

All: -1.224 ± 1.956 $\chi^2/\text{NDF}: 68.7/65$

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 11579.485+/-2.424 χ^2/NDF : 800239.8/15

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

Left In: 11775.566+/-2.570 χ^2/NDF : 708823.8/13

Left: 11671.801+/-1.764 χ^2/NDF : 1512143.6/29

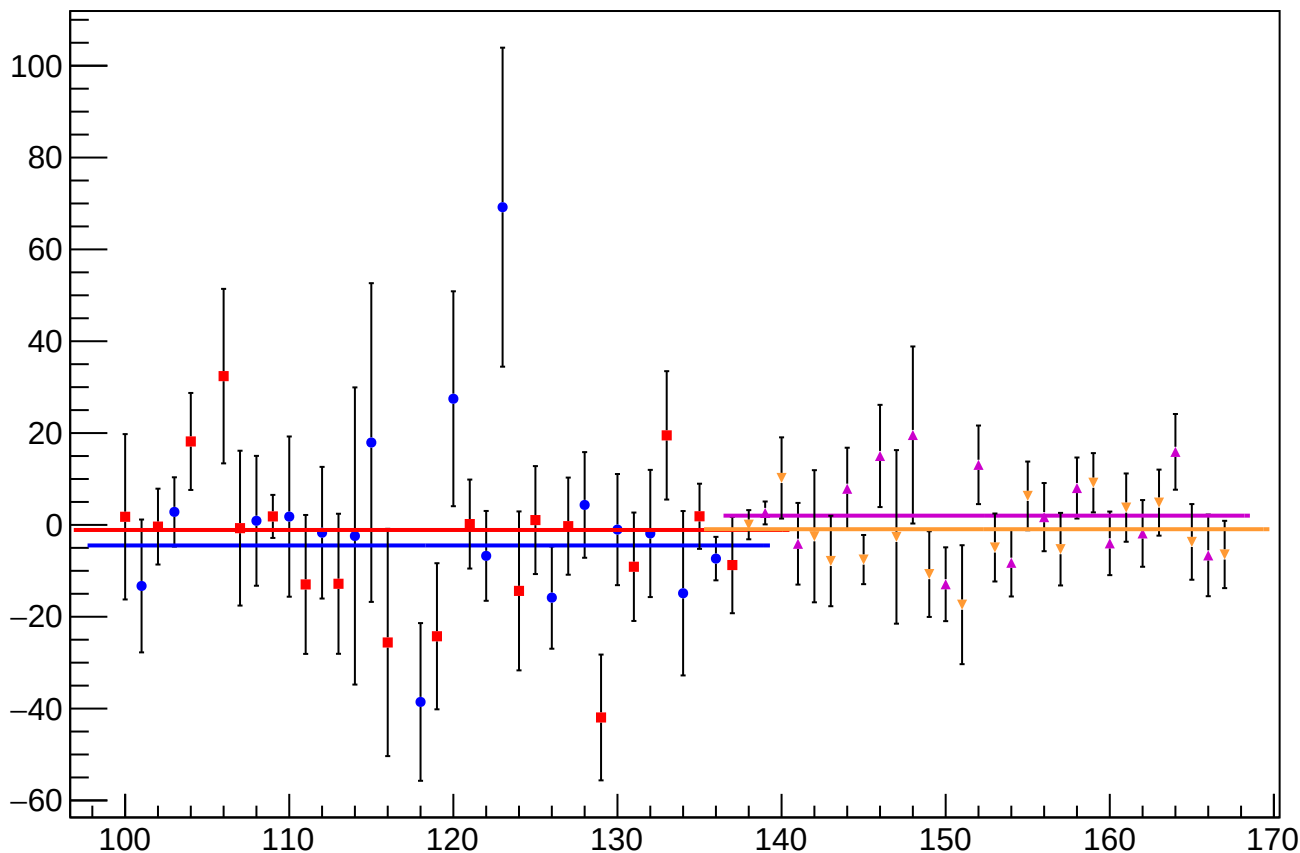
Right: 11605.084+/-2.229 χ^2/NDF : 329878.2/35

In: 11706.627+/-2.008 χ^2/NDF : 946092.8/30

Out: 11591.460+/-1.908 χ^2/NDF : 894750.9/34

All: 11646.112+/-1.383 χ^2/NDF : 1842572.9/66

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: 2.015 ± 1.684 χ^2/NDF : 15.9/13

Left: 0.590 ± 1.211 χ^2/NDF : 29.5/29

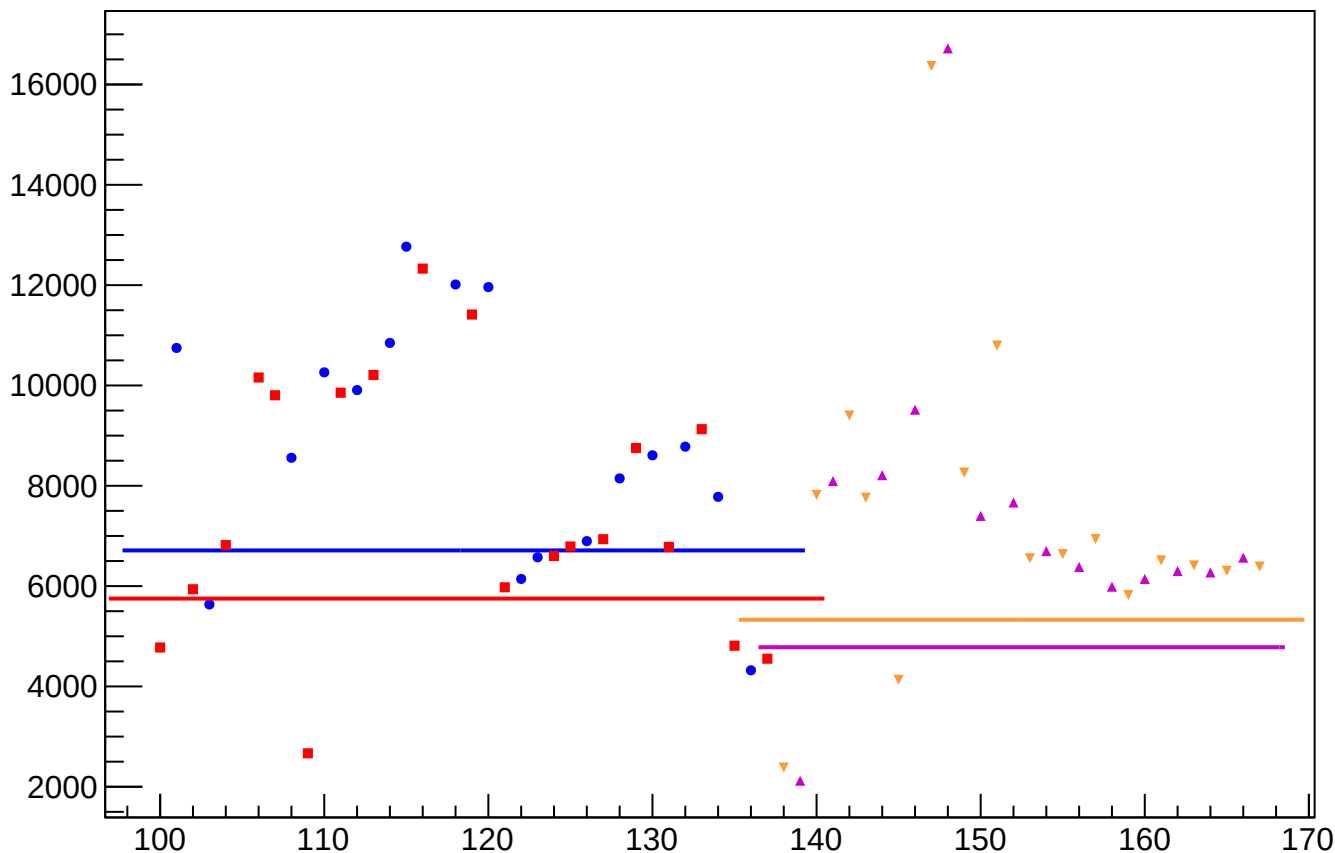
Right: -2.563 ± 1.830 χ^2/NDF : 39.7/35

In: 0.274 ± 1.440 χ^2/NDF : 34.7/30

Out: -0.994 ± 1.416 χ^2/NDF : 36.2/34

All: -0.371 ± 1.010 χ^2/NDF : 71.3/65

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 +/- 1.967 χ^2/NDF : 1446972.0/16

Left Out: 5329.678 +/- 1.233 χ^2/NDF : 3871014.4/15

Right Out: 5751.505 +/- 1.718 χ^2/NDF : 2165110.0/18

Left In: 4781.616 +/- 1.191 χ^2/NDF : 5029658.4/13

Left: 5046.125 +/- 0.856 χ^2/NDF : 9002947.0/29

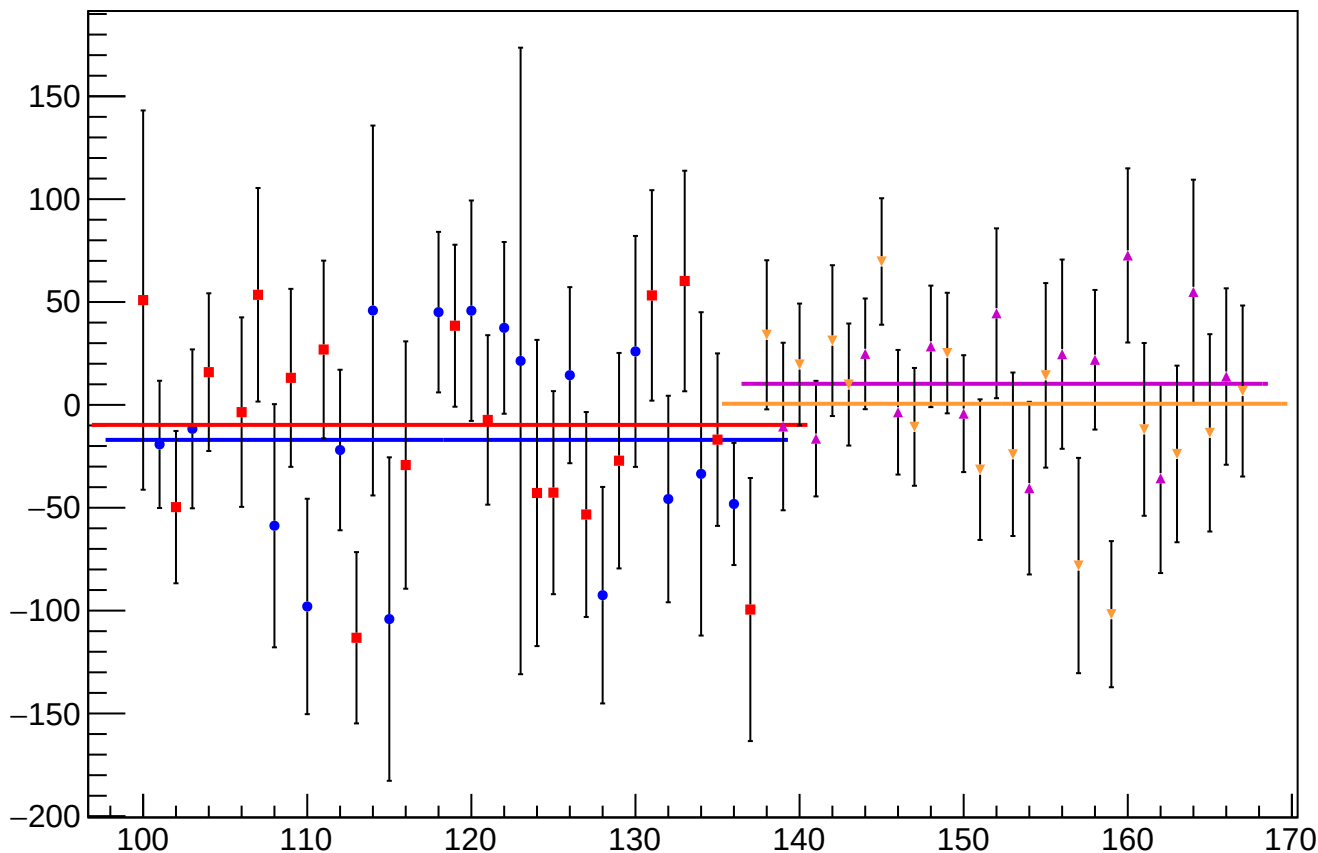
Right: 6166.836 +/- 1.294 χ^2/NDF : 3747249.5/35

In: 5299.093 +/- 1.019 χ^2/NDF : 7181208.9/30

Out: 5473.089 +/- 1.001 χ^2/NDF : 6075936.6/34

All: 5387.561 +/- 0.714 χ^2/NDF : 13271983.8/6

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: 10.253 ± 9.478 $\chi^2/\text{NDF}: 8.5/13$

Left: 5.124 ± 6.506 $\chi^2/\text{NDF}: 29.5/29$

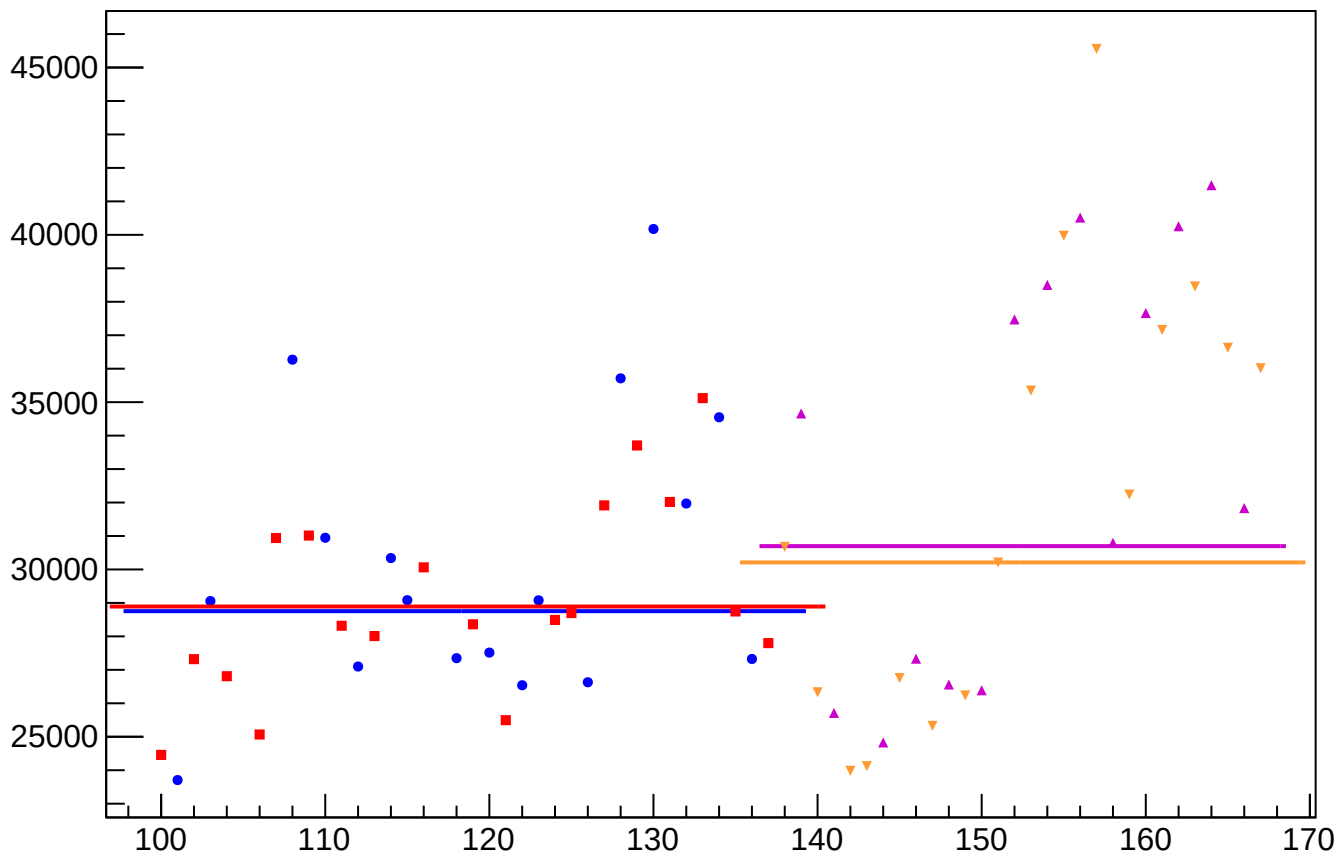
Right: -13.234 ± 7.837 $\chi^2/\text{NDF}: 34.3/35$

In: -1.021 ± 7.258 $\chi^2/\text{NDF}: 26.9/30$

Out: -3.586 ± 6.913 $\chi^2/\text{NDF}: 40.0/34$

All: -2.366 ± 5.006 $\chi^2/\text{NDF}: 67.0/65$

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: 30697.228+/-6.702 χ^2/NDF : 720975.7/13

Left: 30439.959+/-4.601 χ^2/NDF : 1530797.1/29

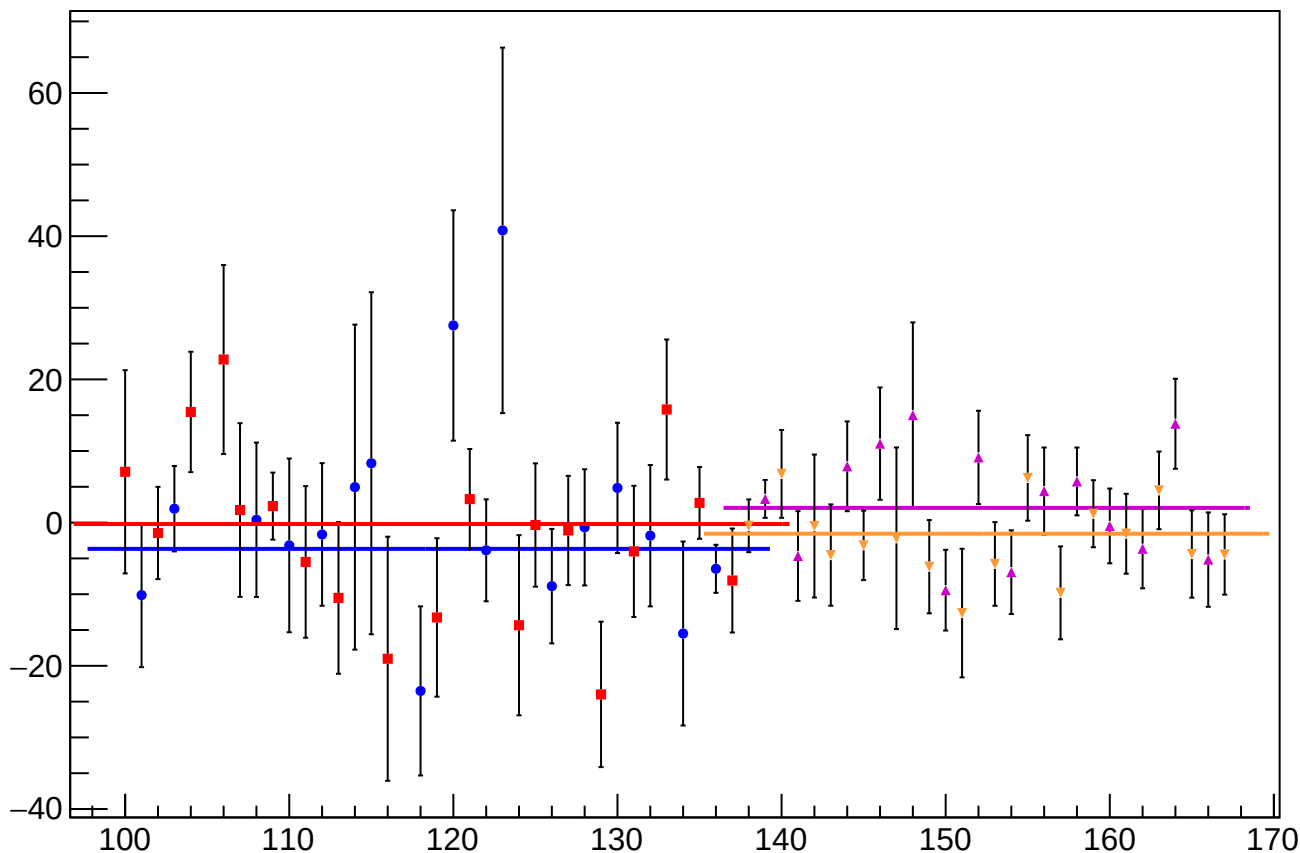
Right: 28825.443+/-5.542 χ^2/NDF : 360612.0/35

In: 29893.533+/-5.132 χ^2/NDF : 1004964.1/30

Out: 29679.412+/-4.888 χ^2/NDF : 935780.1/34

All: 29781.259+/-3.540 χ^2/NDF : 1941656.8/66

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: 2.057 ± 1.429 χ^2/NDF : 19.0/13

Left: 0.296 ± 1.023 χ^2/NDF : 32.3/29

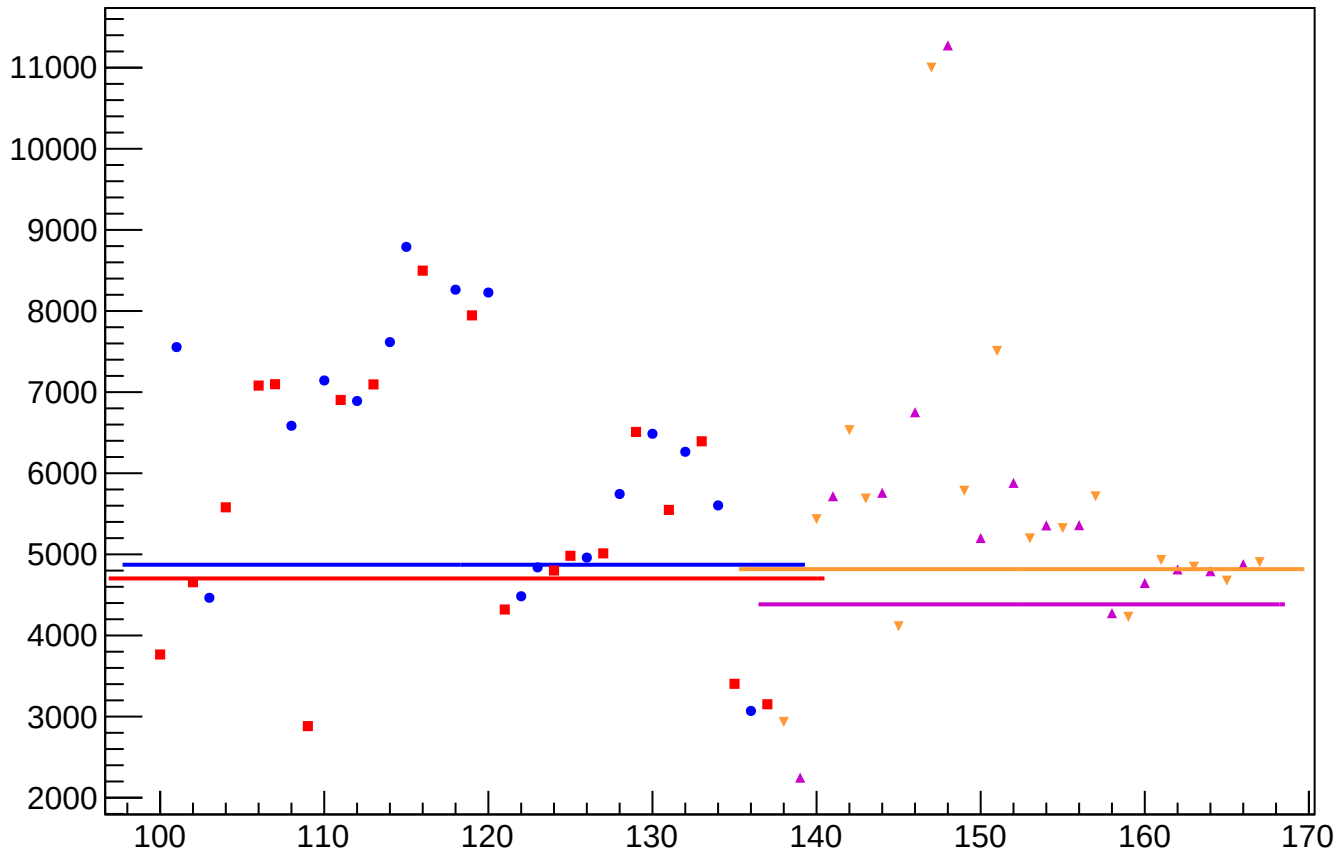
Right: -1.830 ± 1.378 χ^2/NDF : 38.4/35

In: 0.134 ± 1.165 χ^2/NDF : 38.9/30

Out: -1.046 ± 1.158 χ^2/NDF : 32.8/34

All: -0.459 ± 0.821 χ^2/NDF : 72.2/65

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: 4383.531 ± 1.011 $\chi^2/\text{NDF}: 2531241.5/13$

Left: 4595.439 ± 0.723 $\chi^2/\text{NDF}: 4089591.6/29$

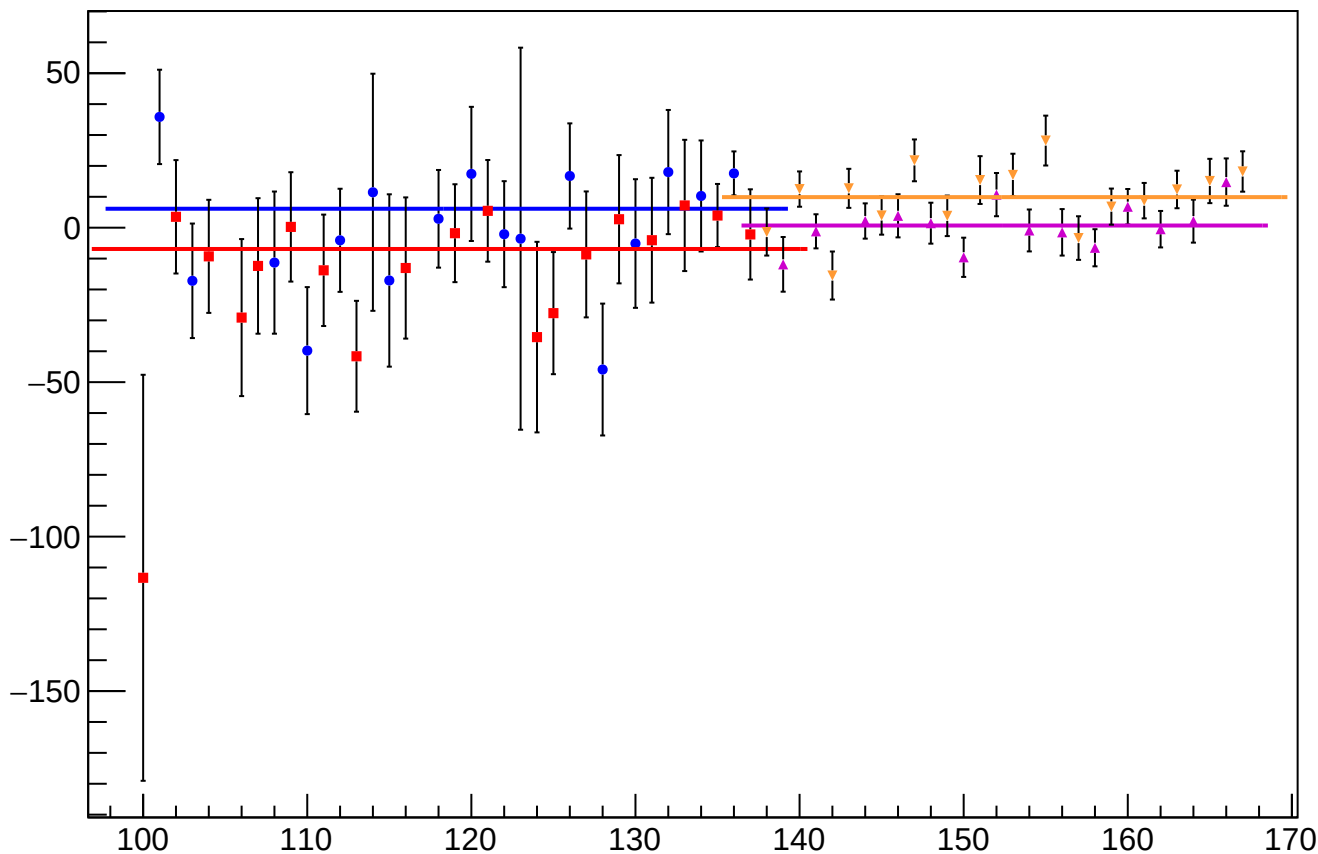
Right: 4782.480 ± 0.974 $\chi^2/\text{NDF}: 2725478.8/35$

In: 4547.645 ± 0.824 $\chi^2/\text{NDF}: 4014987.5/30$

Out: 4774.836 ± 0.819 $\chi^2/\text{NDF}: 2785582.8/34$

All: 4661.891 ± 0.581 $\chi^2/\text{NDF}: 6838831.3/65$

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: 0.702 ± 1.744 χ^2/NDF : 13.2/13

Left: 5.528 ± 1.202 χ^2/NDF : 58.8/29

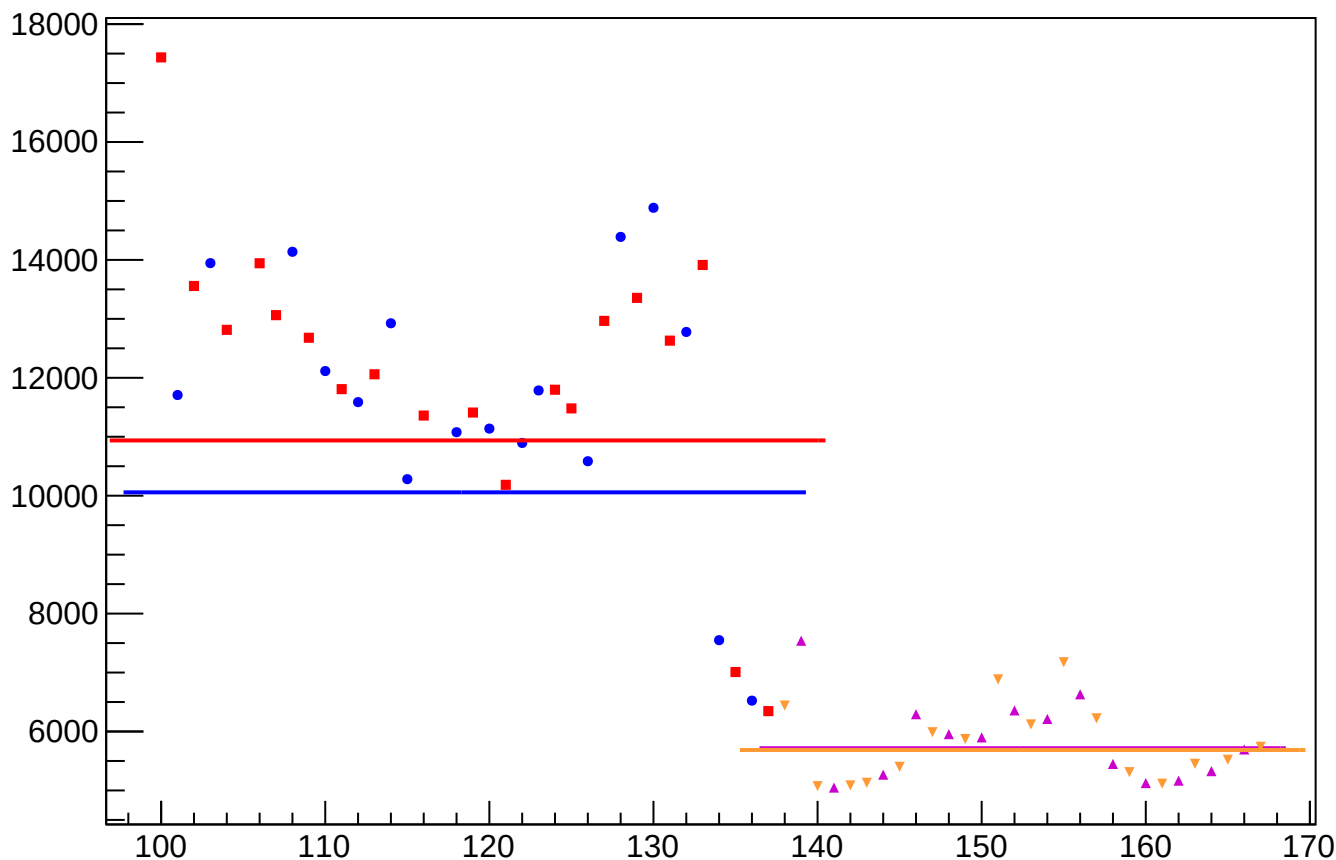
Right: -0.153 ± 2.935 χ^2/NDF : 39.6/35

In: 1.541 ± 1.604 χ^2/NDF : 36.9/30

Out: 7.650 ± 1.544 χ^2/NDF : 57.2/34

All: 4.712 ± 1.112 χ^2/NDF : 101.6/65

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: 5716.183 $\pm$ 1.233 χ^2/NDF :250207.8/13

Left: 5700.530 $\pm$ 0.850 χ^2/NDF : 498434.9/29

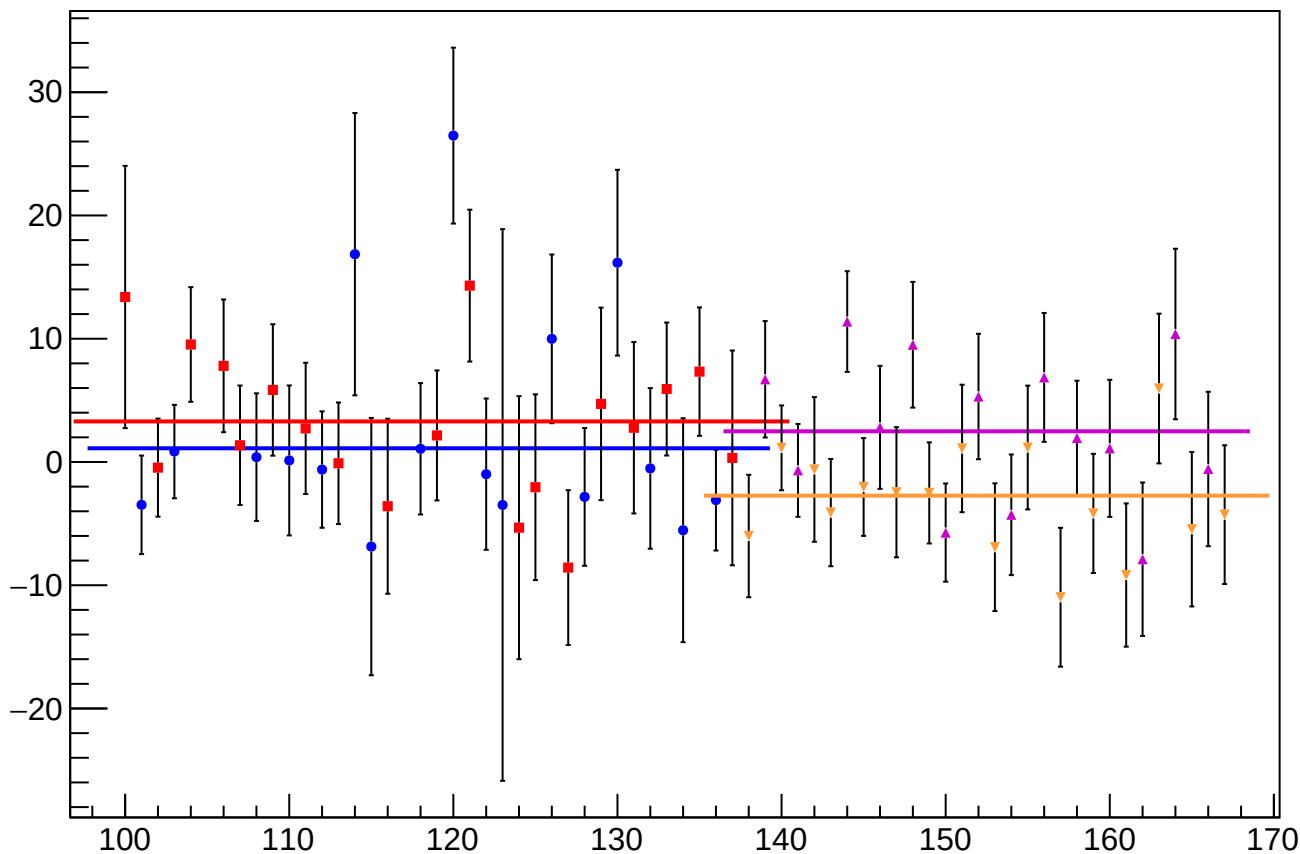
Right: 10481.996 $\pm$ 2.075 χ^2/NDF : 1810742.6/35

In: 6386.948 $\pm$ 1.134 χ^2/NDF :3166936.6/30

Out: 6387.736 $\pm$ 1.092 χ^2/NDF :3688476.6/34

All: 6387.357 $\pm$ 0.787 χ^2/NDF : 6855413.4/65

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -2.732 ± 1.223 $\chi^2/\text{NDF}: 9.5/15$

Right Out: 3.290 ± 1.334 $\chi^2/\text{NDF}: 15.1/18$

Left In: 2.488 ± 1.308 $\chi^2/\text{NDF}: 19.7/13$

Left: -0.296 ± 0.893 $\chi^2/\text{NDF}: 37.8/29$

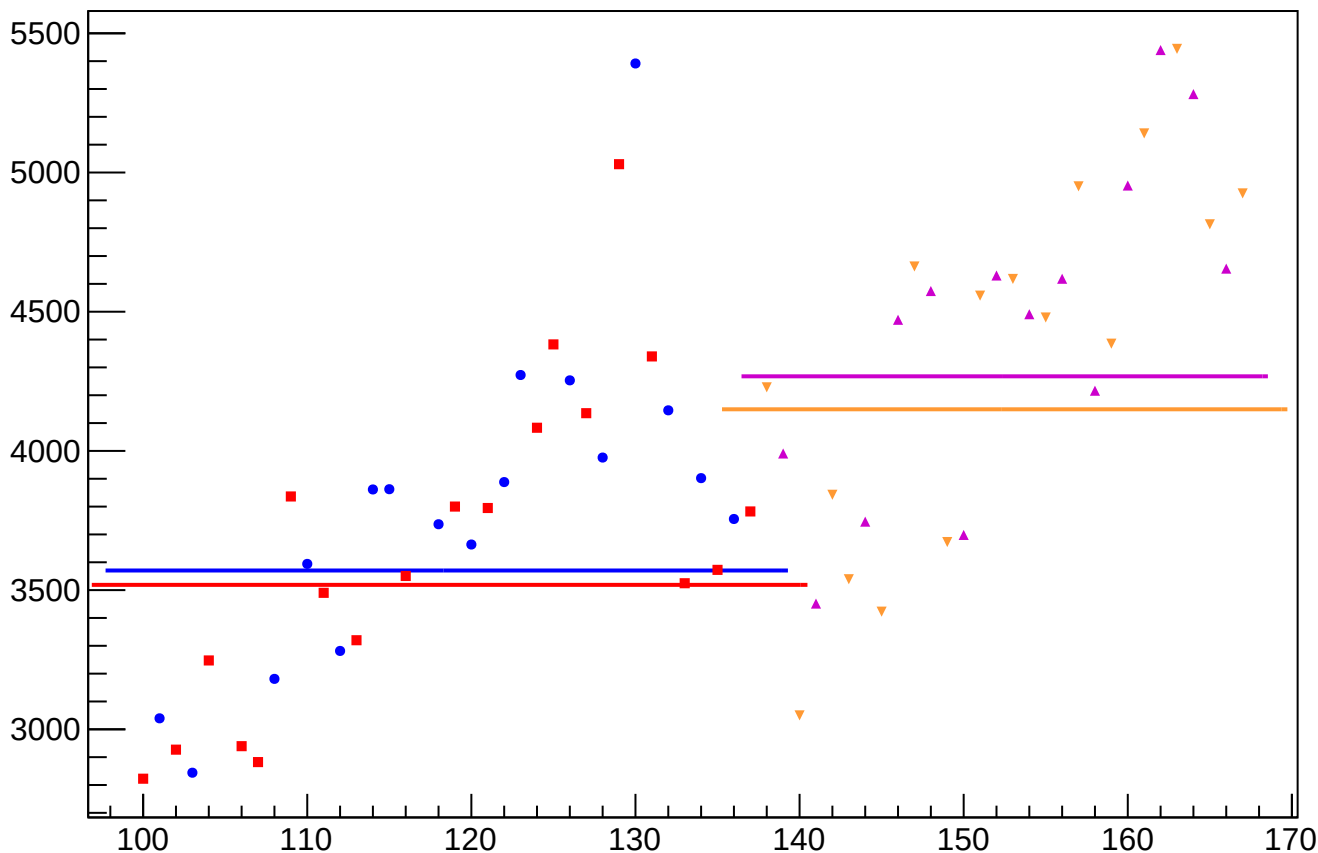
Right: 2.256 ± 0.967 $\chi^2/\text{NDF}: 40.9/35$

In: 1.848 ± 0.957 $\chi^2/\text{NDF}: 44.9/30$

Out: 0.020 ± 0.902 $\chi^2/\text{NDF}: 35.7/34$

All: 0.880 ± 0.656 $\chi^2/\text{NDF}: 82.5/65$

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: 4267.950+/-0.925 χ^2/NDF : 360312.7/13

Left: 4204.773+/-0.632 χ^2/NDF : 1023793.2/29

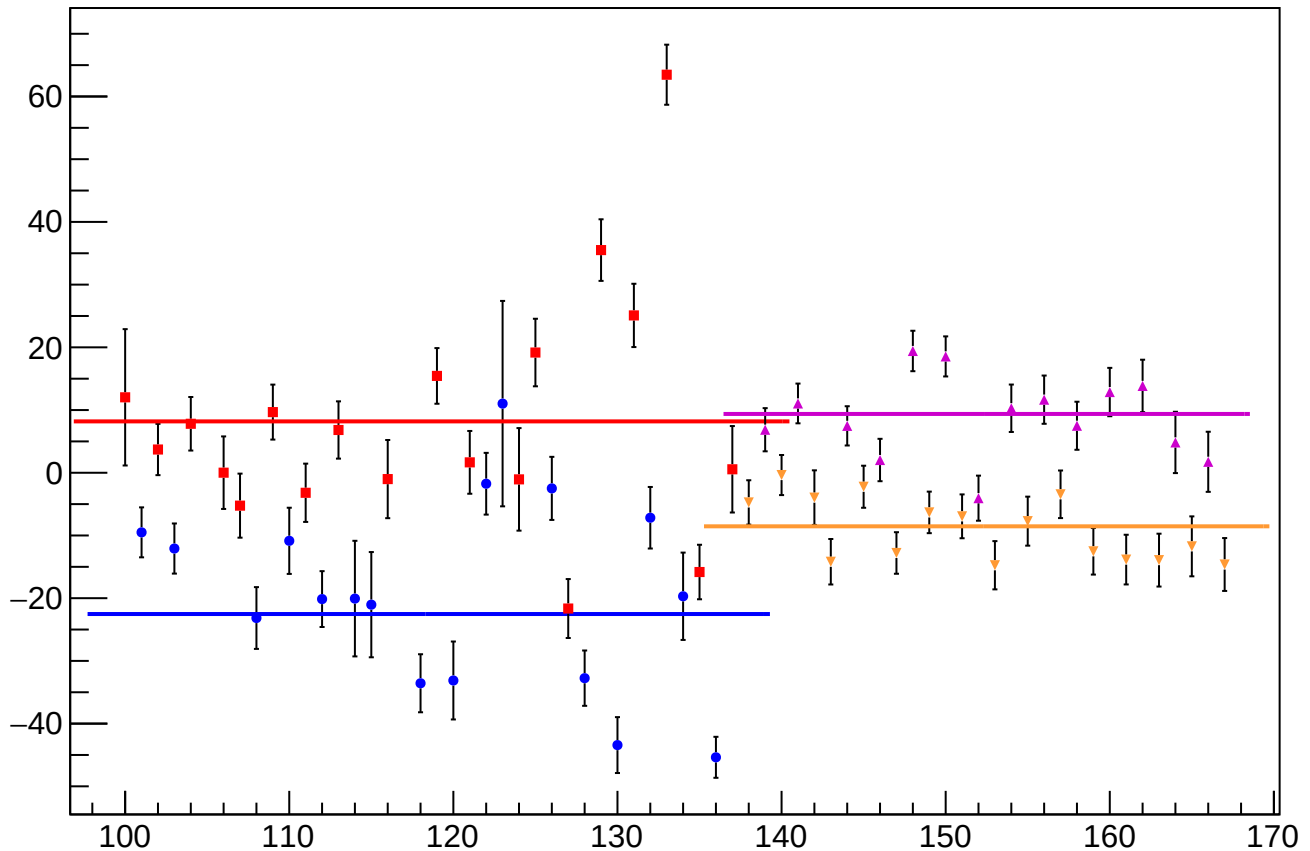
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 3943.652+/-0.676 χ^2/NDF : 934529.4/30

Out: 3861.322+/-0.637 χ^2/NDF : 1190952.3/34

All: 3900.050+/-0.464 χ^2/NDF : 2133328.2/65

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: 9.378 ± 0.971 $\chi^2/\text{NDF}: 43.8/13$

Left: 0.038 ± 0.672 $\chi^2/\text{NDF}: 250.0/29$

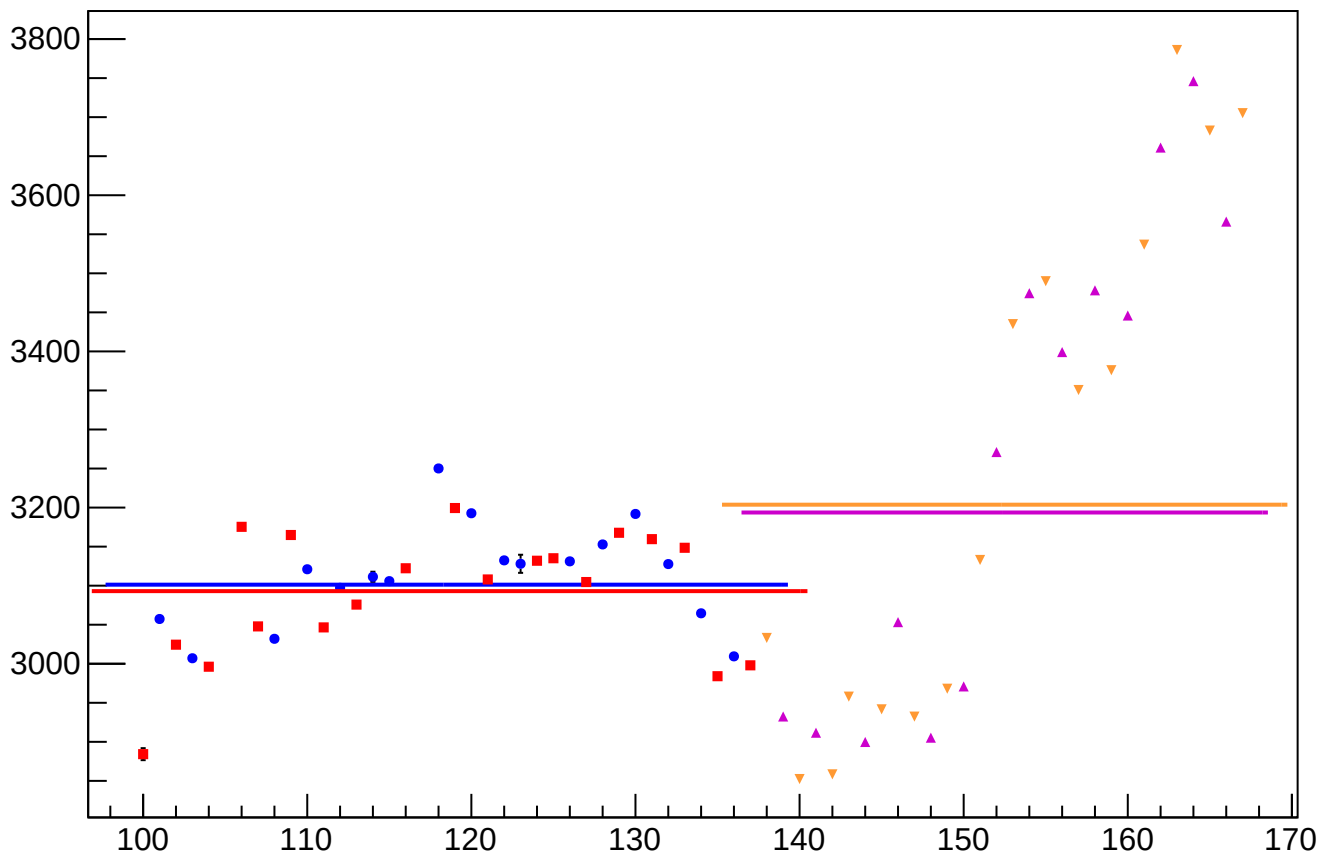
Right: -6.598 ± 0.833 $\chi^2/\text{NDF}: 770.8/35$

In: -3.238 ± 0.755 $\chi^2/\text{NDF}: 626.3/30$

Out: -1.967 ± 0.725 $\chi^2/\text{NDF}: 431.5/34$

All: -2.577 ± 0.523 $\chi^2/\text{NDF}: 1059.3/65$

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: 3193.696+/-0.687 χ^2/NDF : 174043.5/13

Left: 3198.914+/-0.475 χ^2/NDF : 387288.9/29

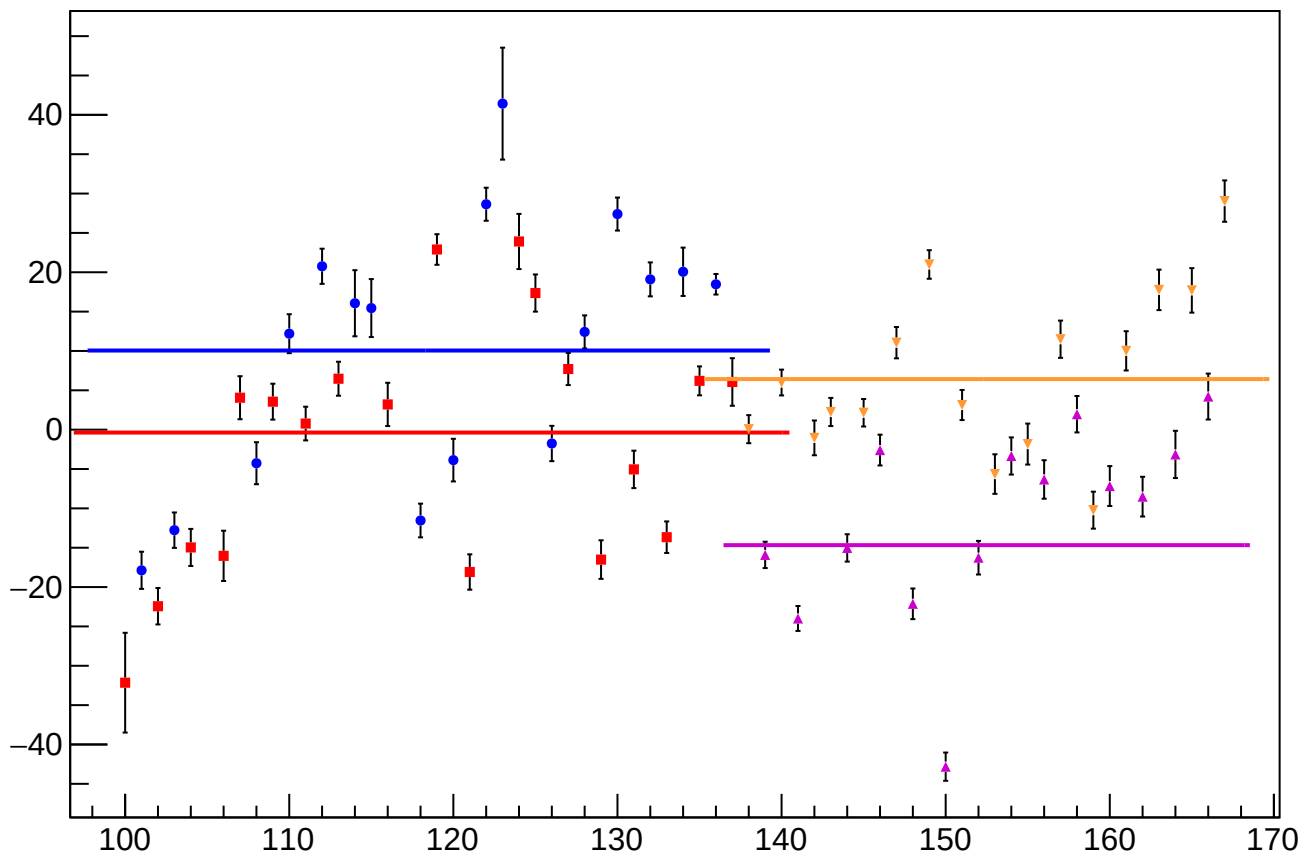
Right: 3096.979+/-0.589 χ^2/NDF : 15049.1/35

In: 3157.148+/-0.534 χ^2/NDF : 188443.8/30

Out: 3160.215+/-0.513 χ^2/NDF : 232022.0/34

All: 3158.743+/-0.370 χ^2/NDF : 420483.0/65

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 6.428 ± 0.526 χ^2/NDF : 307.8/15

Right Out: -0.367 ± 0.547 χ^2/NDF : 629.8/18

Left In: -14.674 ± 0.558 χ^2/NDF : 491.8/13

Left: -3.512 ± 0.383 χ^2/NDF : 1556.5/29

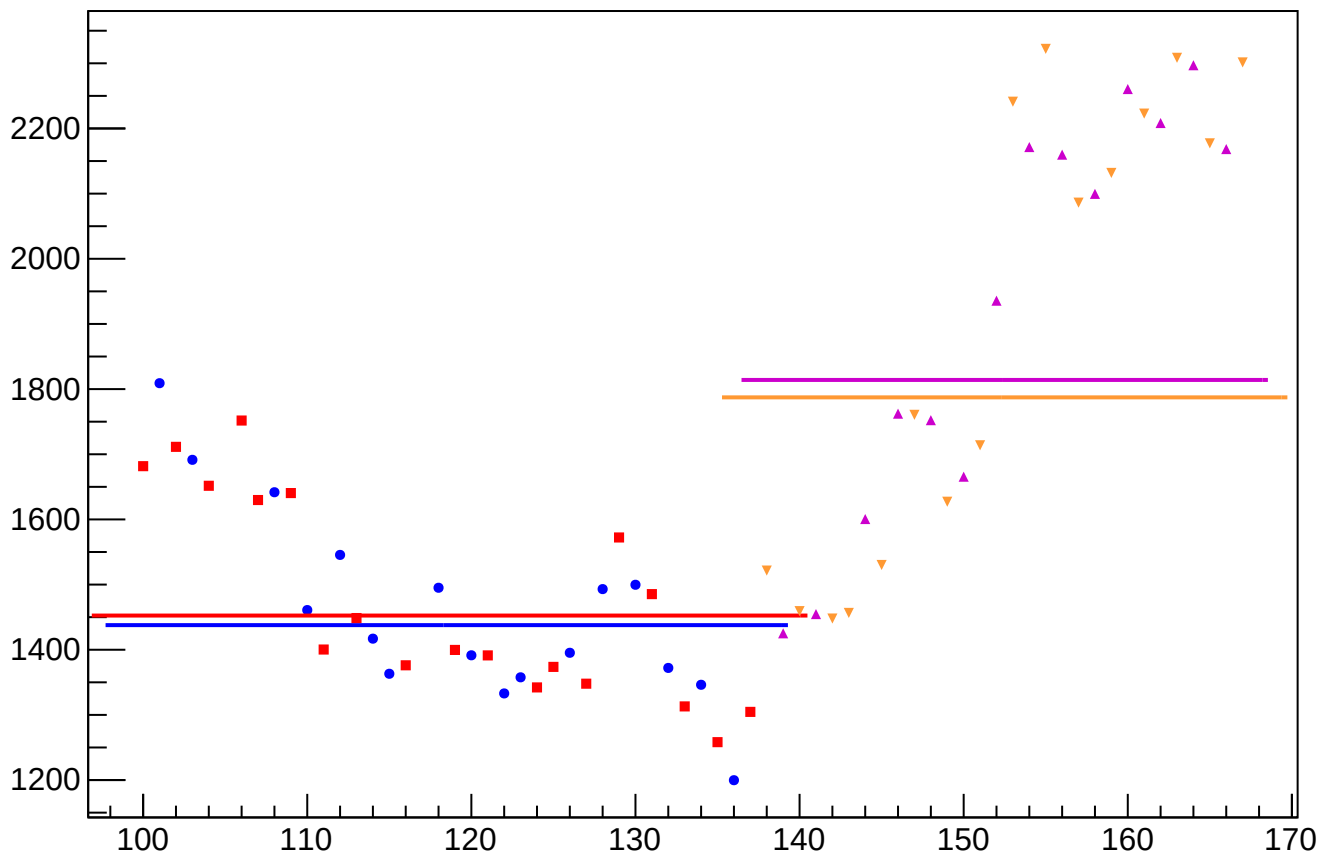
Right: 4.707 ± 0.392 χ^2/NDF : 1498.8/35

In: -2.394 ± 0.396 χ^2/NDF : 2160.0/30

Out: 3.161 ± 0.379 χ^2/NDF : 1017.7/34

All: 0.502 ± 0.274 χ^2/NDF : 3280.4/65

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: 1814.063 $\pm$ 0.394 χ^2 /NDF: 572671.7/13

Left: 1799.916 $\pm$ 0.271 χ^2 /NDF: 1359915.7/29

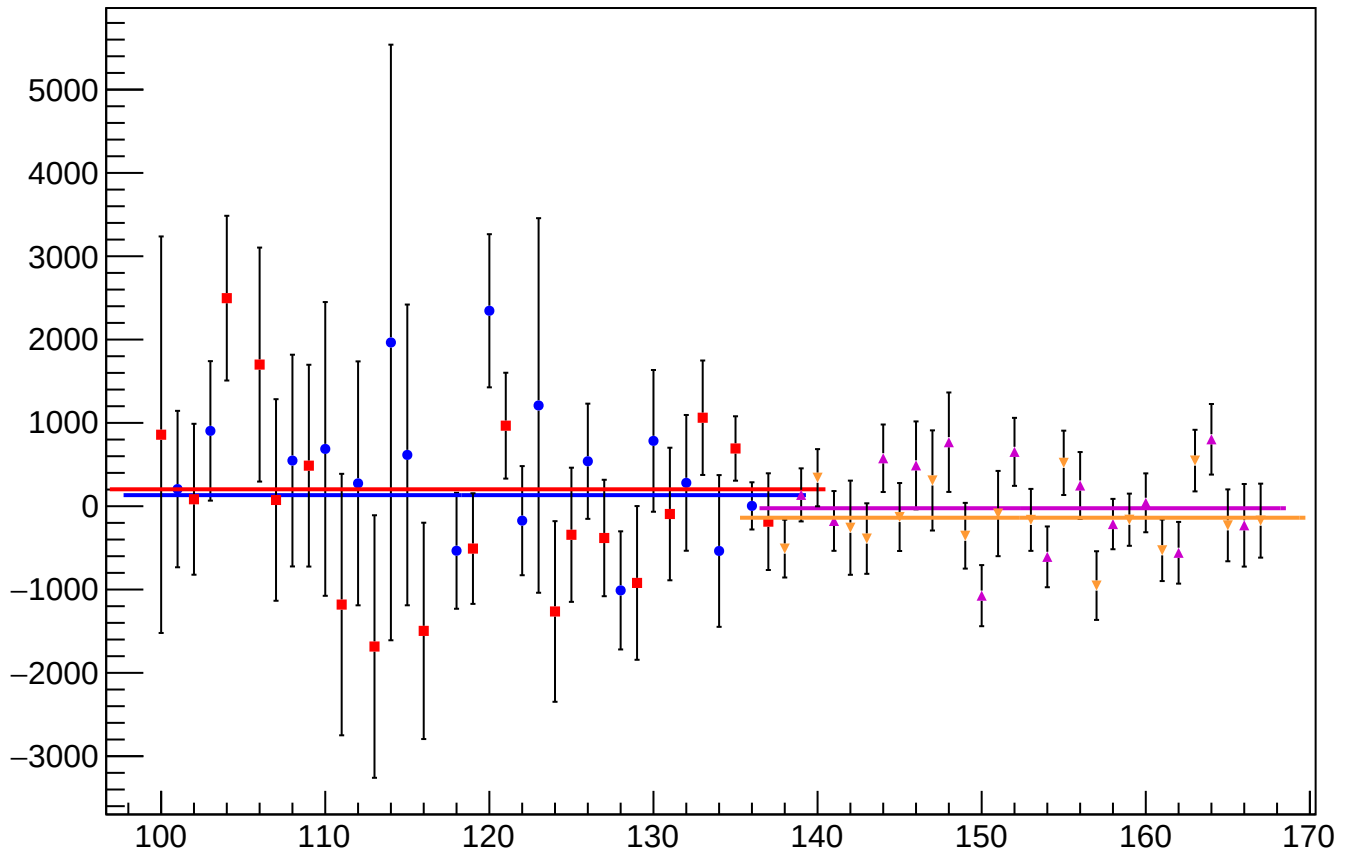
Right: 1445.316 $\pm$ 0.277 χ^2 /NDF: 312524.3/35

In: 1627.206 $\pm$ 0.280 χ^2 /NDF: 1197816.2/30

Out: 1626.321 $\pm$ 0.268 χ^2 /NDF: 1312501.6/34

All: 1626.745 $\pm$ 0.194 χ^2 /NDF: 2510323.0/65

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 ± 180.271 $\chi^2/\text{NDF}: 12.9/16$

Left Out: -138.206 ± 100.166 $\chi^2/\text{NDF}: 15.8/15$

Right Out: 203.062 ± 184.353 $\chi^2/\text{NDF}: 21.4/18$

Left In: -24.122 ± 103.597 $\chi^2/\text{NDF}: 25.8/13$

Left: -83.085 ± 72.010 $\chi^2/\text{NDF}: 42.2/29$

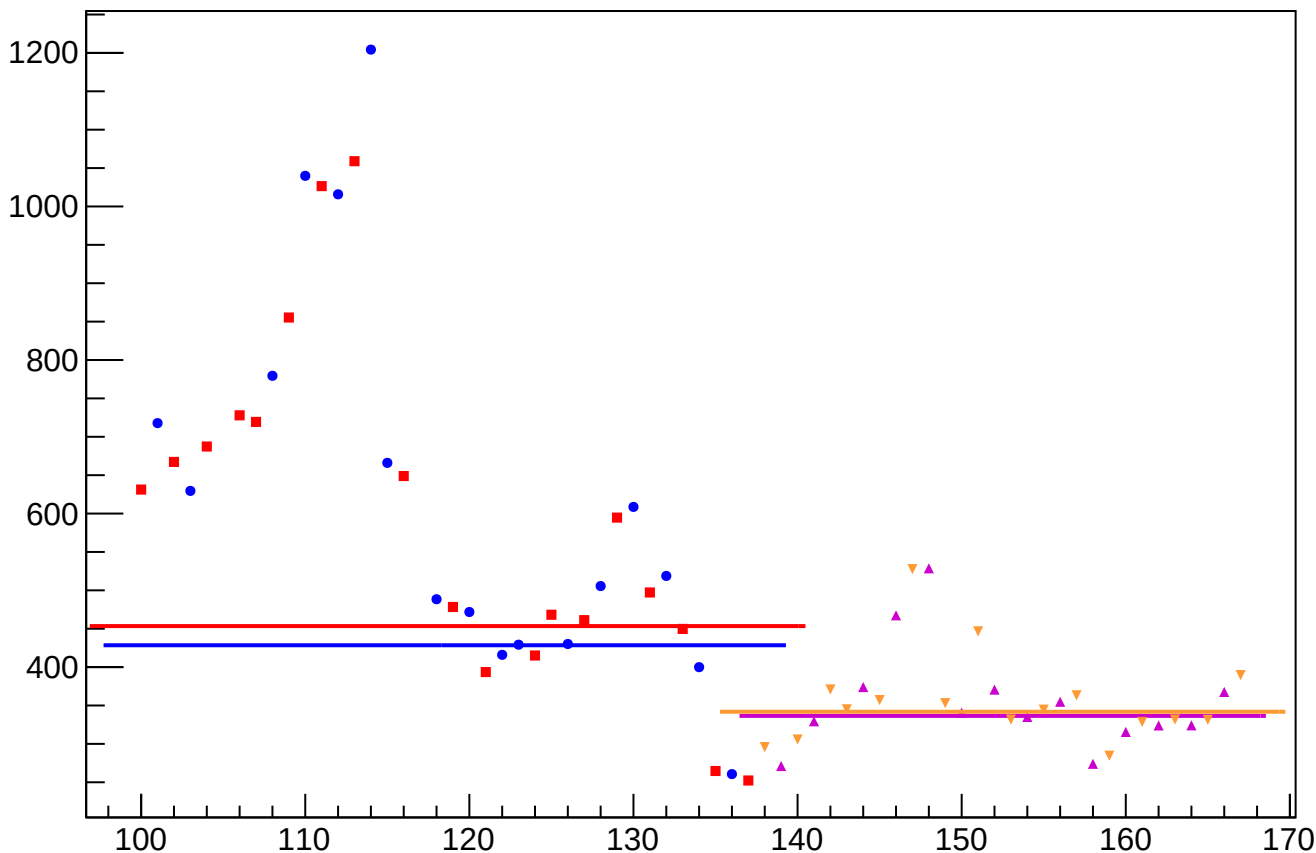
Right: 167.206 ± 128.890 $\chi^2/\text{NDF}: 34.4/35$

In: 14.866 ± 89.822 $\chi^2/\text{NDF}: 39.2/30$

Out: -60.421 ± 88.013 $\chi^2/\text{NDF}: 39.9/34$

All: -23.543 ± 62.864 $\chi^2/\text{NDF}: 79.5/65$

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: 336.457 $\pm$ 0.073 χ^2 /NDF:555512.8/13

Left: 339.248 $\pm$ 0.051 χ^2 /NDF: 1002515.2/29

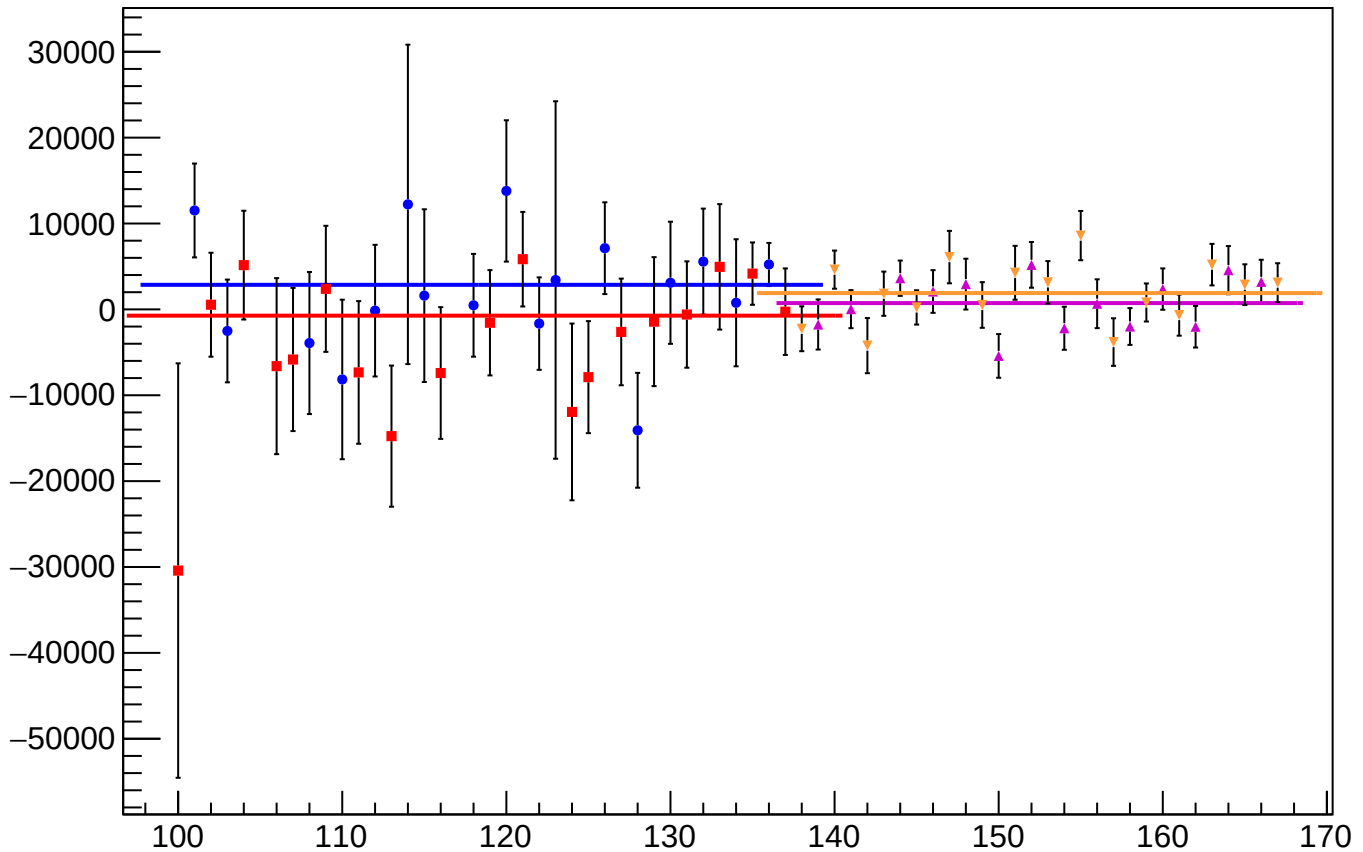
Right: 440.668 $\pm$ 0.091 χ^2 /NDF: 4060031.3/35

In: 359.298 $\pm$ 0.064 χ^2 /NDF:2958575.5/30

Out: 367.289 $\pm$ 0.062 χ^2 /NDF:3039656.1/34

All: 363.375 $\pm$ 0.044 χ^2 /NDF: 6006306.9/65

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: 733.271 $\pm$ 666.423 χ^2 /NDF:19.8/13

Left: 1350.763 $\pm$ 457.026 χ^2 /NDF: 46.2/29

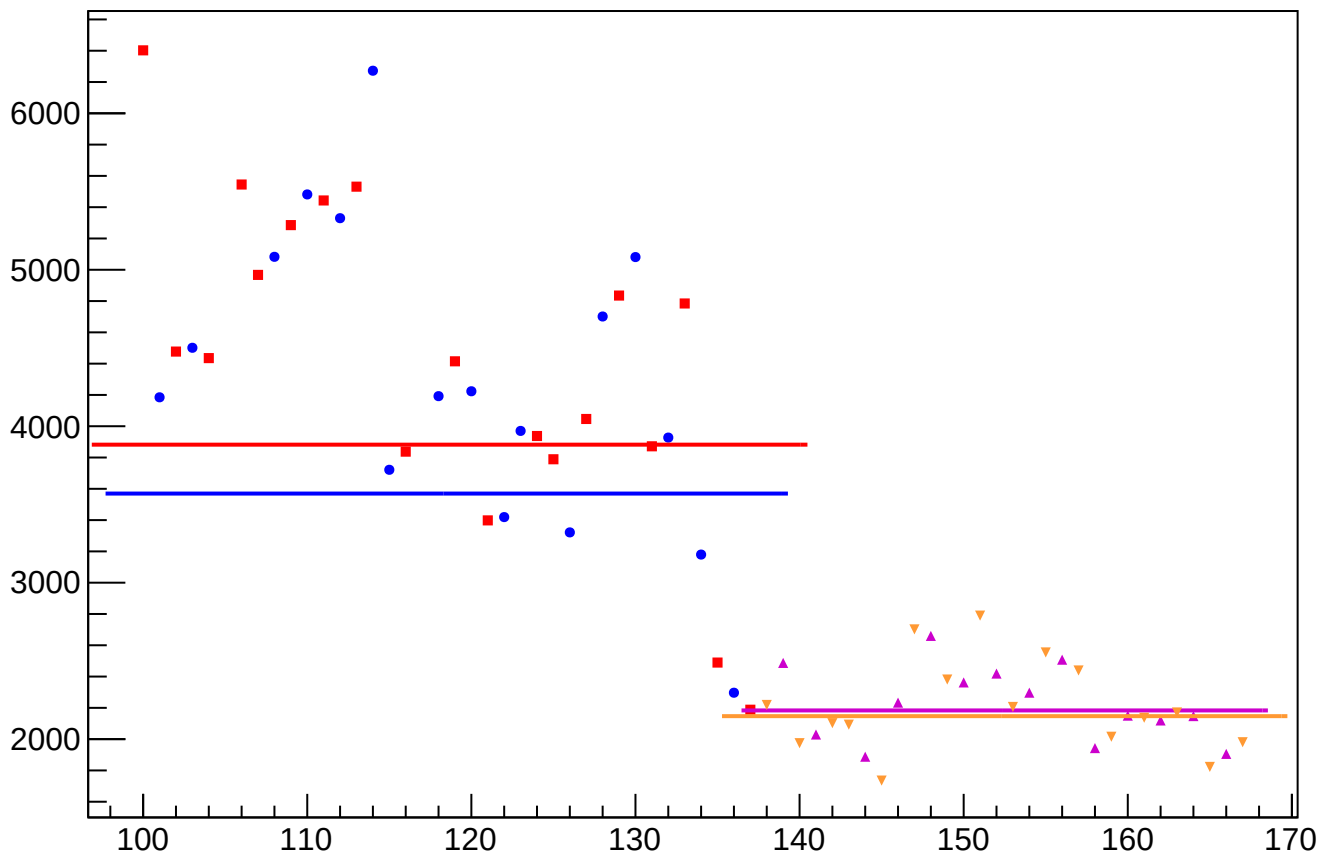
Right: 1139.446 $\pm$ 1044.821 χ^2 /NDF: 33.6/35

In: 1104.993 $\pm$ 605.376 χ^2 /NDF:38.3/30

Out: 1511.116 $\pm$ 579.773 χ^2 /NDF:41.3/34

All: 1316.824 $\pm$ 418.720 χ^2 /NDF: 79.8/65

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2146.919+/-0.444 χ^2/NDF : 384485.0/15

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

Left In: 2183.544+/-0.471 χ^2/NDF : 231778.2/13

Left: 2164.144+/-0.323 χ^2/NDF : 619462.9/29

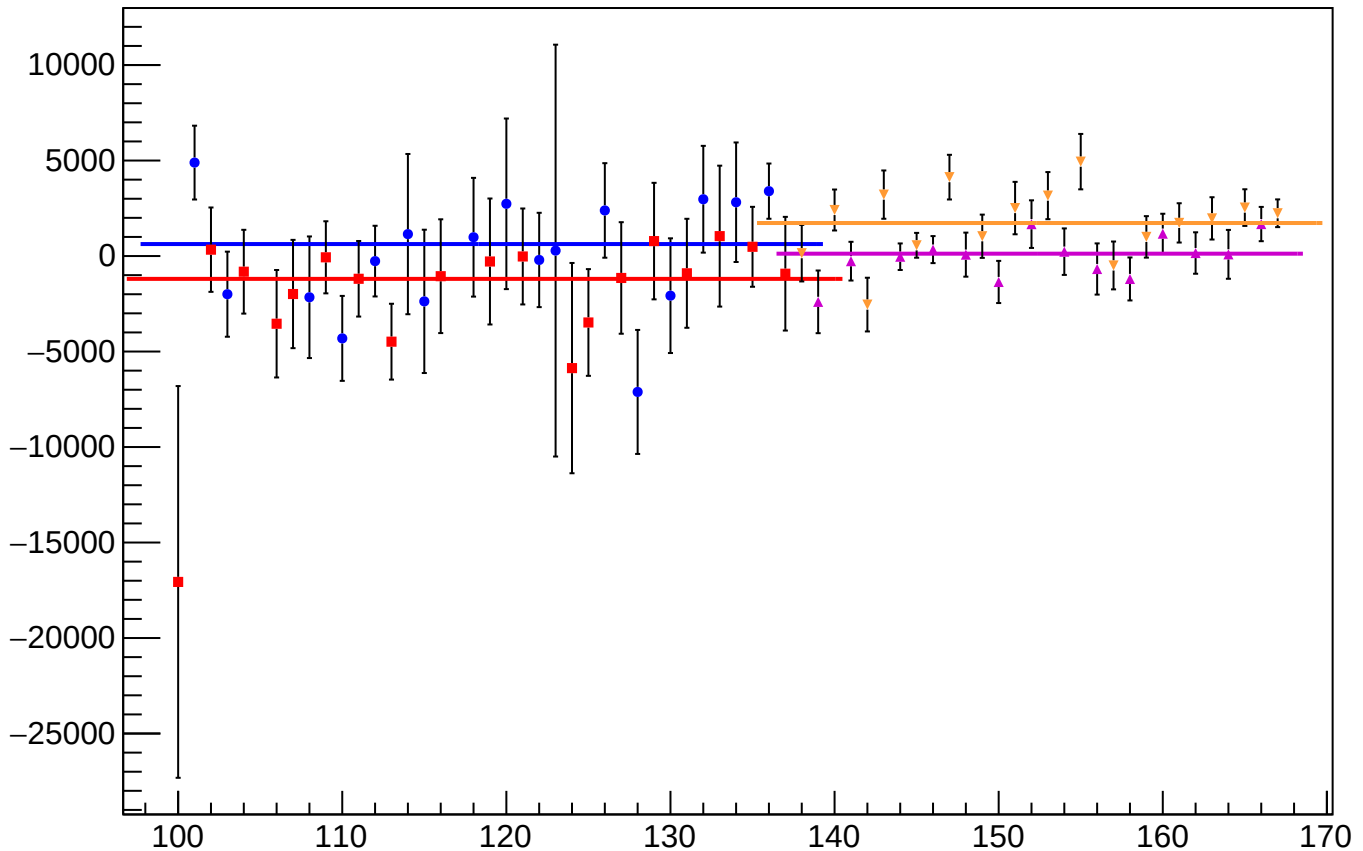
Right: 3719.420+/-0.739 χ^2/NDF : 2115685.3/35

In: 2425.855+/-0.428 χ^2/NDF : 2832209.4/30

Out: 2402.996+/-0.410 χ^2/NDF : 3621310.2/34

All: 2413.932+/-0.296 χ^2/NDF : 6455007.1/65

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: 123.572+/-274.496 χ^2/NDF : 11.7/13

Left: 954.316+/-190.695 χ^2/NDF : 60.8/29

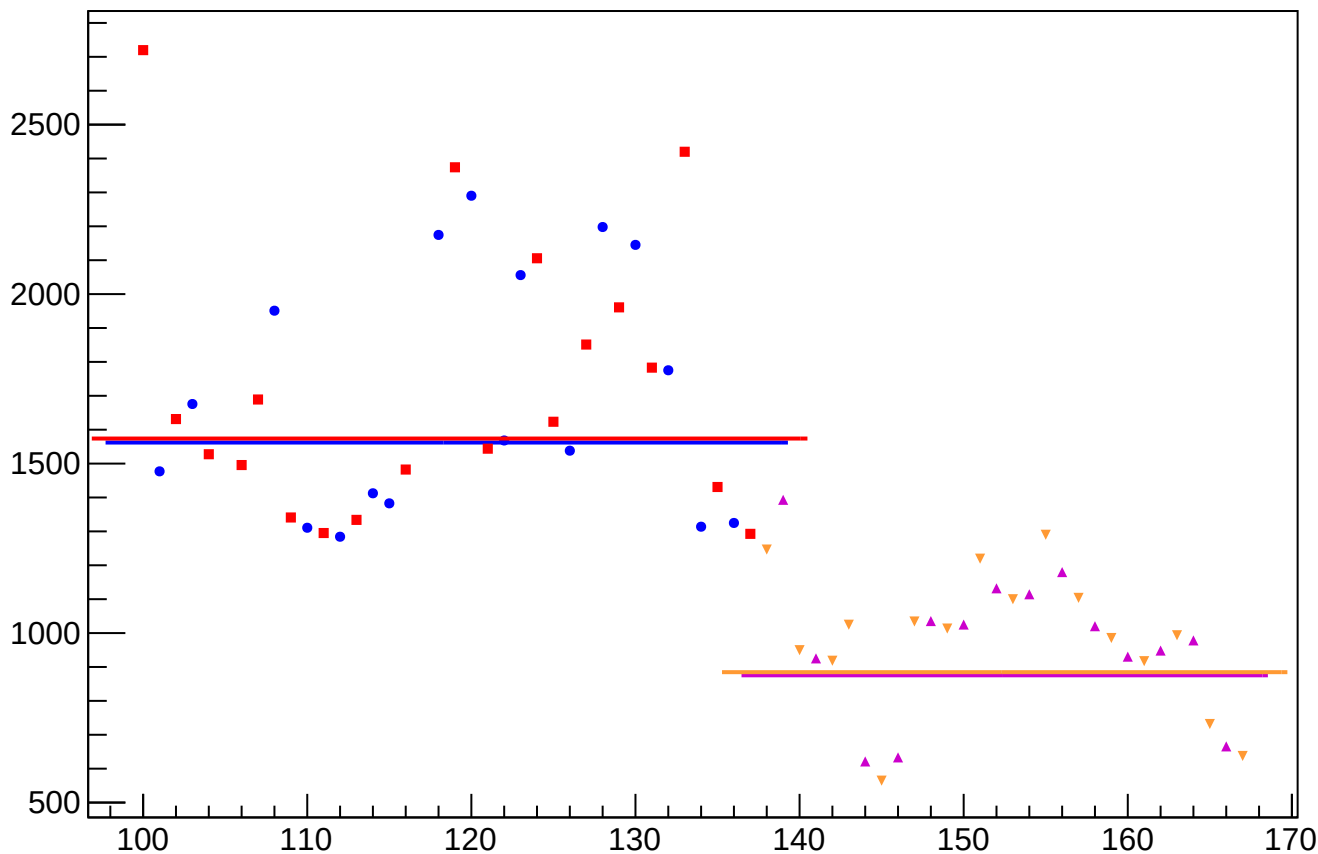
Right: -310.478+/-432.606 χ^2/NDF : 39.4/35

In: 205.979+/-251.058 χ^2/NDF : 37.4/30

Out: 1255.568+/-242.698 χ^2/NDF : 61.0/34

All: 748.540+/-174.494 χ^2/NDF : 107.4/65

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: 875.417 $\pm$ 0.194 χ^2 /NDF: 1215963.1/13

Left: 880.206 $\pm$ 0.135 χ^2 /NDF: 2631150.5/29

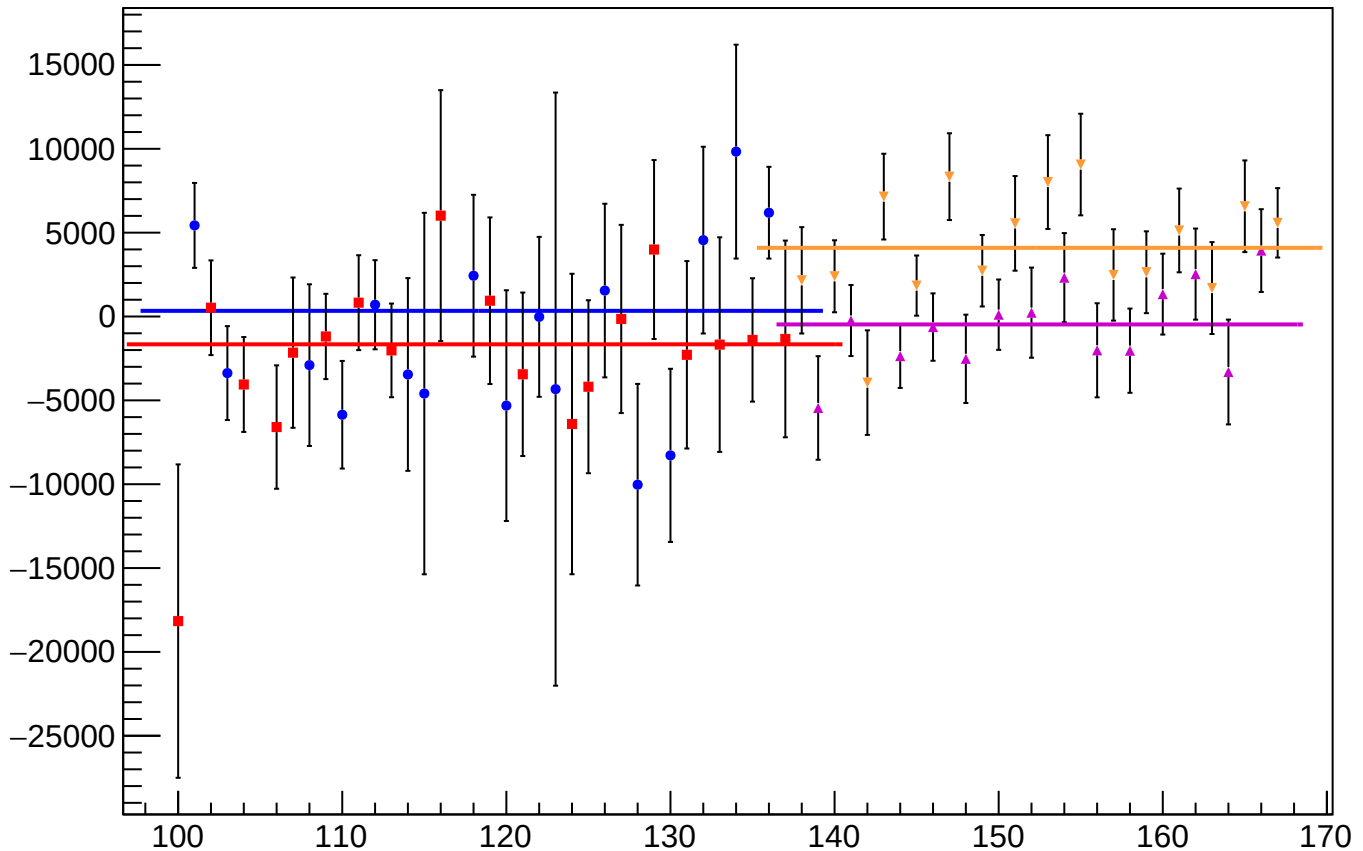
Right: 1568.176 $\pm$ 0.306 χ^2 /NDF: 946451.6/35

In: 987.676 $\pm$ 0.178 χ^2 /NDF: 3744198.2/30

Out: 996.303 $\pm$ 0.172 χ^2 /NDF: 4067317.6/34

All: 992.135 $\pm$ 0.123 χ^2 /NDF: 7812736.5/65

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: -472.234 $\pm$ 650.403 χ^2/NDF : 11.9/13

Left: 1911.415 $\pm$ 449.829 χ^2/NDF : 59.3/29

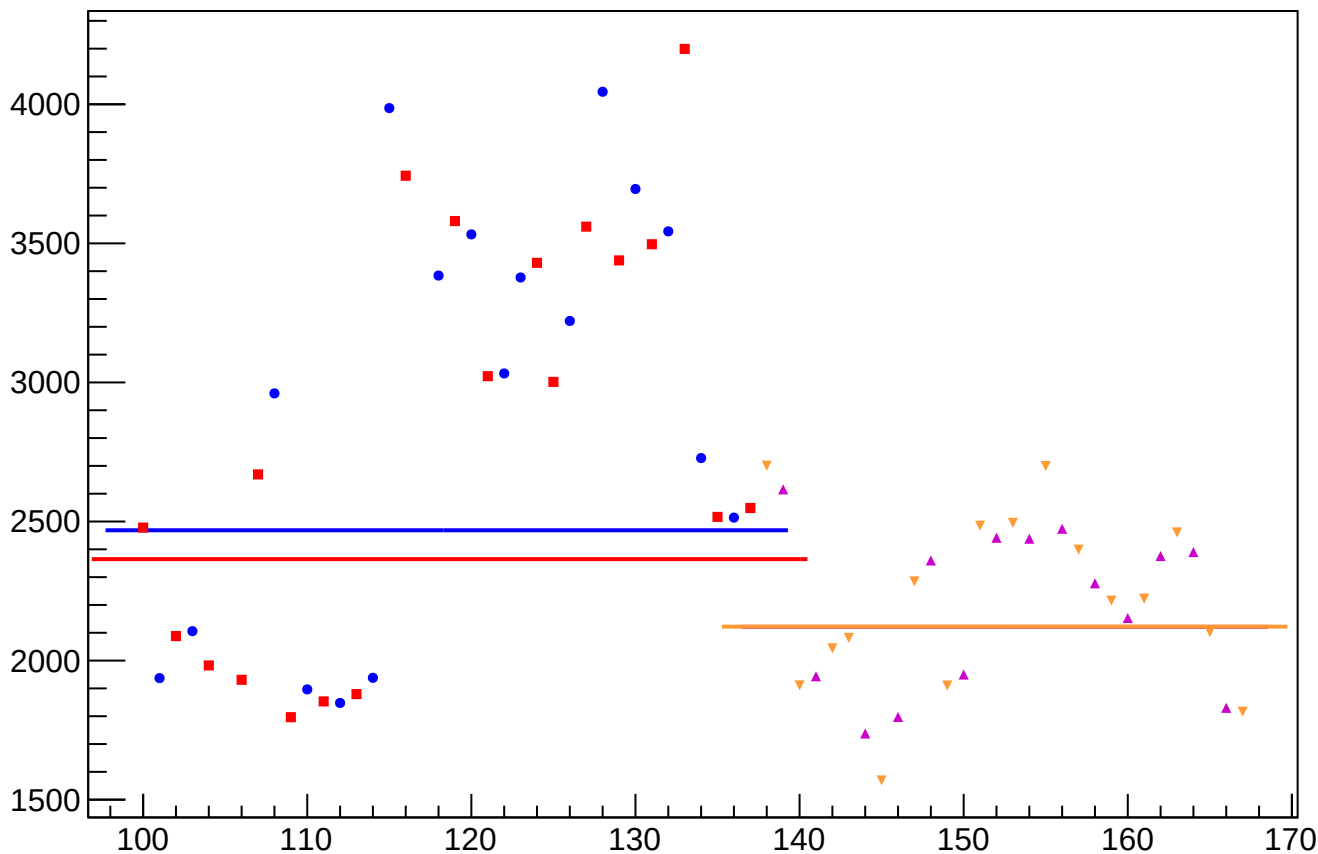
Right: -734.084 $\pm$ 677.520 χ^2/NDF : 37.2/35

In: -229.927 $\pm$ 544.549 χ^2/NDF : 37.2/30

Out: 2300.417 $\pm$ 516.521 χ^2/NDF : 58.6/34

All: 1102.036 $\pm$ 374.753 χ^2/NDF : 107.1/65

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2122.080+/-0.440 χ^2/NDF : 547463.7/15

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

Left In: 2121.184+/-0.460 χ^2/NDF : 385500.9/13

Left: 2121.651+/-0.318 χ^2/NDF : 932966.6/29

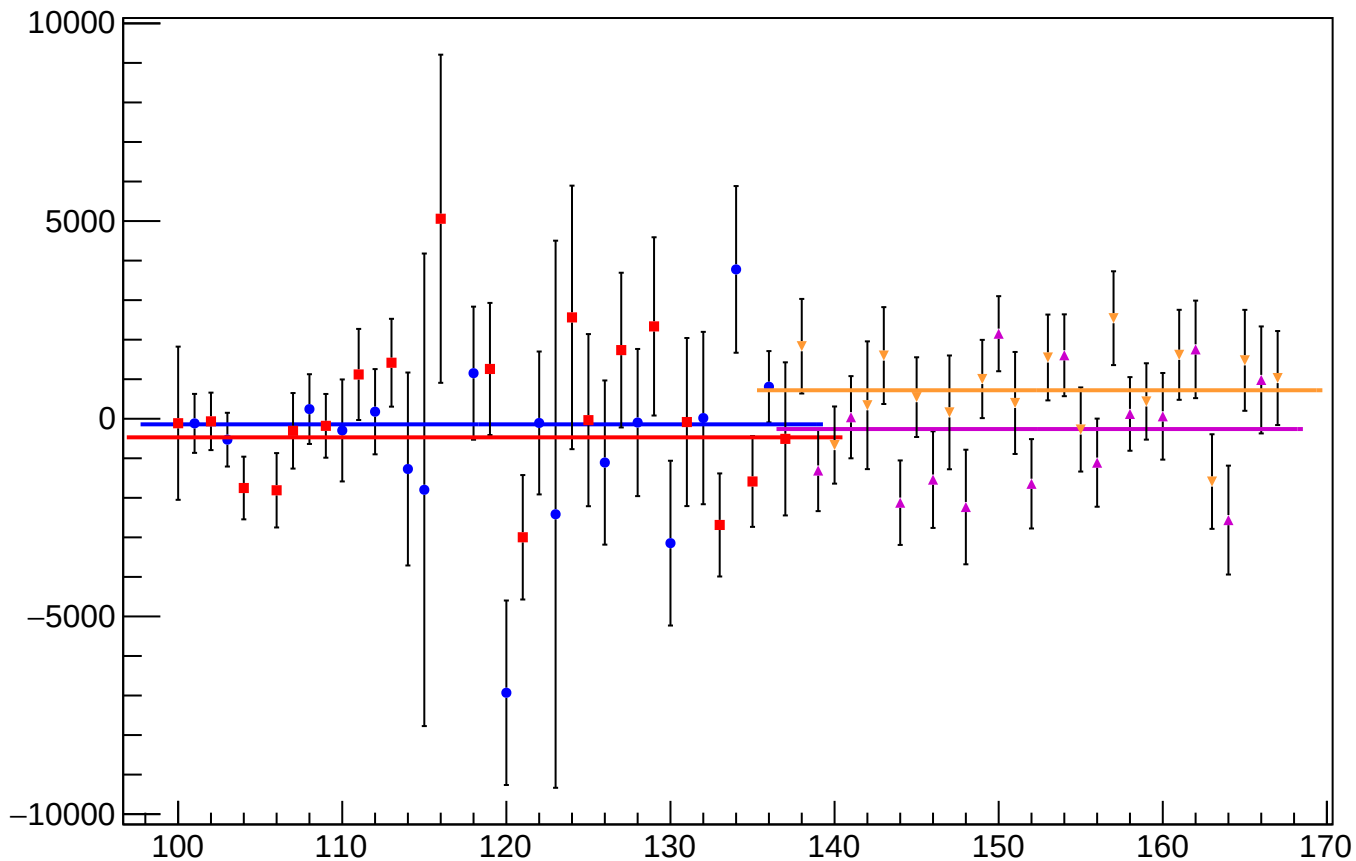
Right: 2412.813+/-0.479 χ^2/NDF : 1932953.4/35

In: 2225.033+/-0.385 χ^2/NDF : 1452176.7/30

Out: 2197.863+/-0.365 χ^2/NDF : 1667480.2/34

All: 2210.731+/-0.265 χ^2/NDF : 3122277.7/65

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: -260.277 ± 298.240 $\chi^2/\text{NDF}: 25.5/13$

Left: 250.086 ± 206.560 $\chi^2/\text{NDF}: 43.5/29$

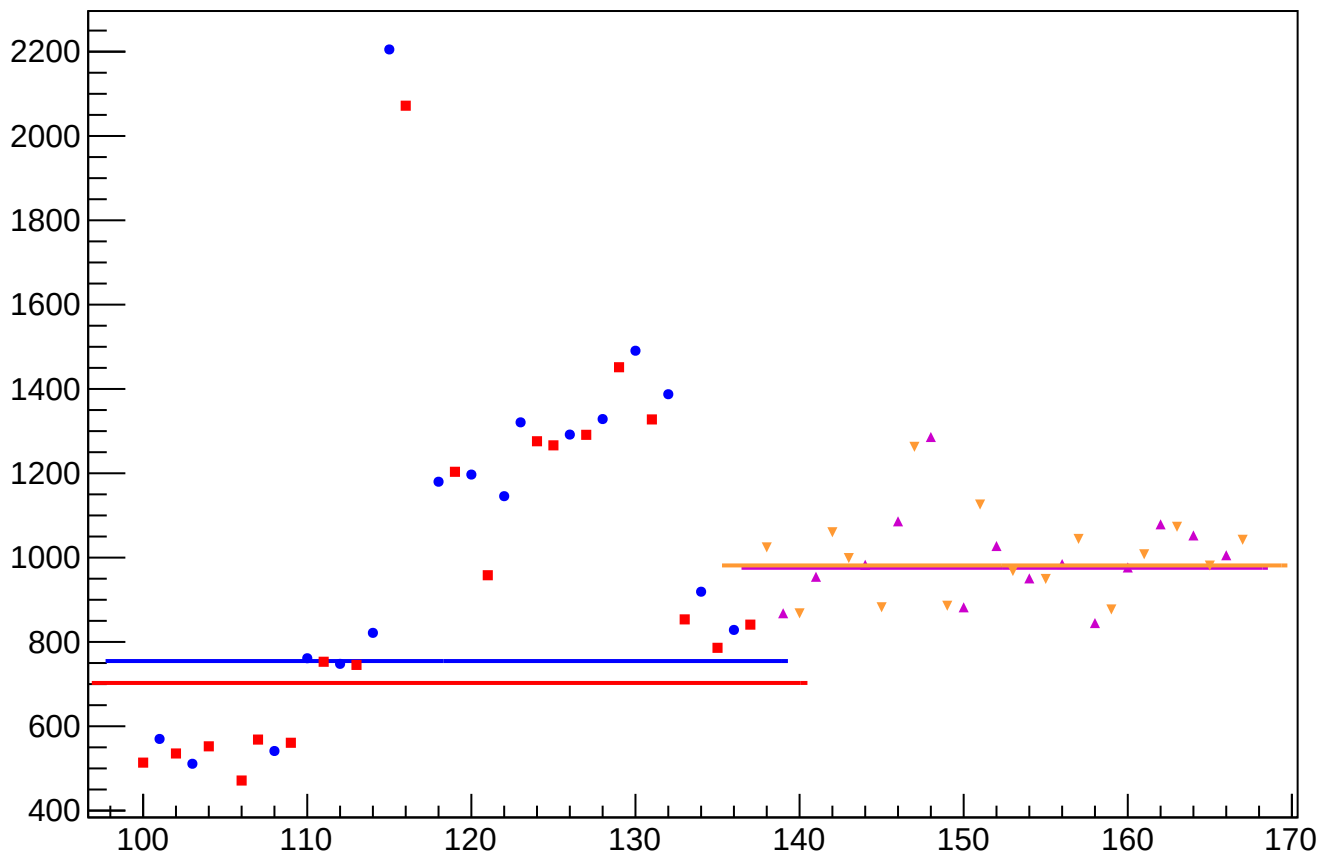
Right: -322.421 ± 209.970 $\chi^2/\text{NDF}: 40.5/35$

In: -203.679 ± 216.021 $\chi^2/\text{NDF}: 42.5/30$

Out: 117.975 ± 201.250 $\chi^2/\text{NDF}: 44.1/34$

All: -31.480 ± 147.251 $\chi^2/\text{NDF}: 87.8/65$

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: 975.871 $\pm$ 0.211 χ^2 /NDF: 216647.4/13

Left: 978.767 $\pm$ 0.146 χ^2 /NDF: 440588.2/29

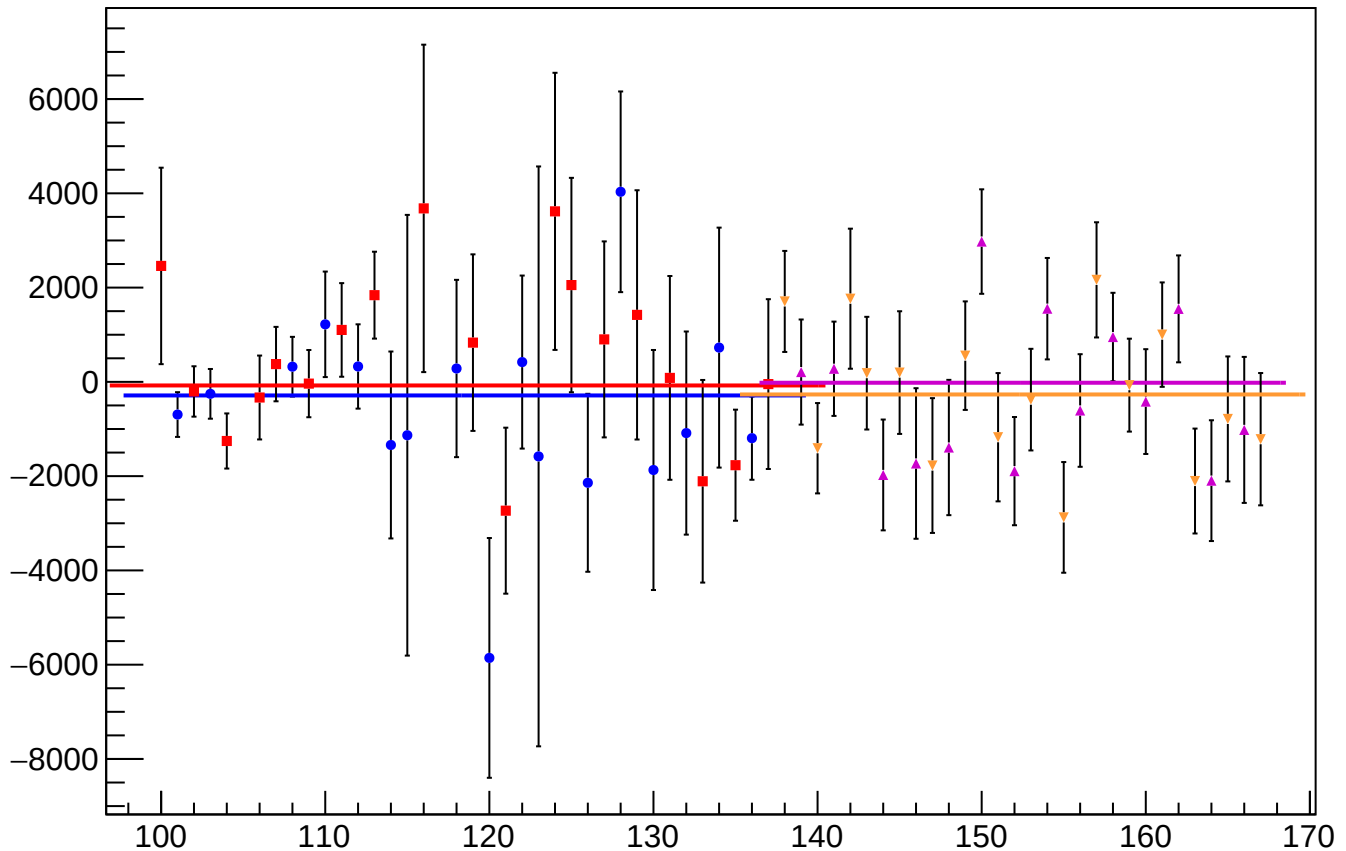
Right: 726.058 $\pm$ 0.148 χ^2 /NDF: 3412528.8/35

In: 870.728 $\pm$ 0.153 χ^2 /NDF: 2430196.3/30

Out: 840.381 $\pm$ 0.142 χ^2 /NDF: 2874043.5/34

All: 854.482 $\pm$ 0.104 χ^2 /NDF: 5325370.6/65

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -267.167+/-295.246 χ^2/NDF : 22.6/15

Right Out: -76.119+/-246.083 χ^2/NDF : 21.4/18

Left In: -18.714+/-311.723 χ^2/NDF : 23.5/13

Left: -149.680+/-214.359 χ^2/NDF : 46.4/29

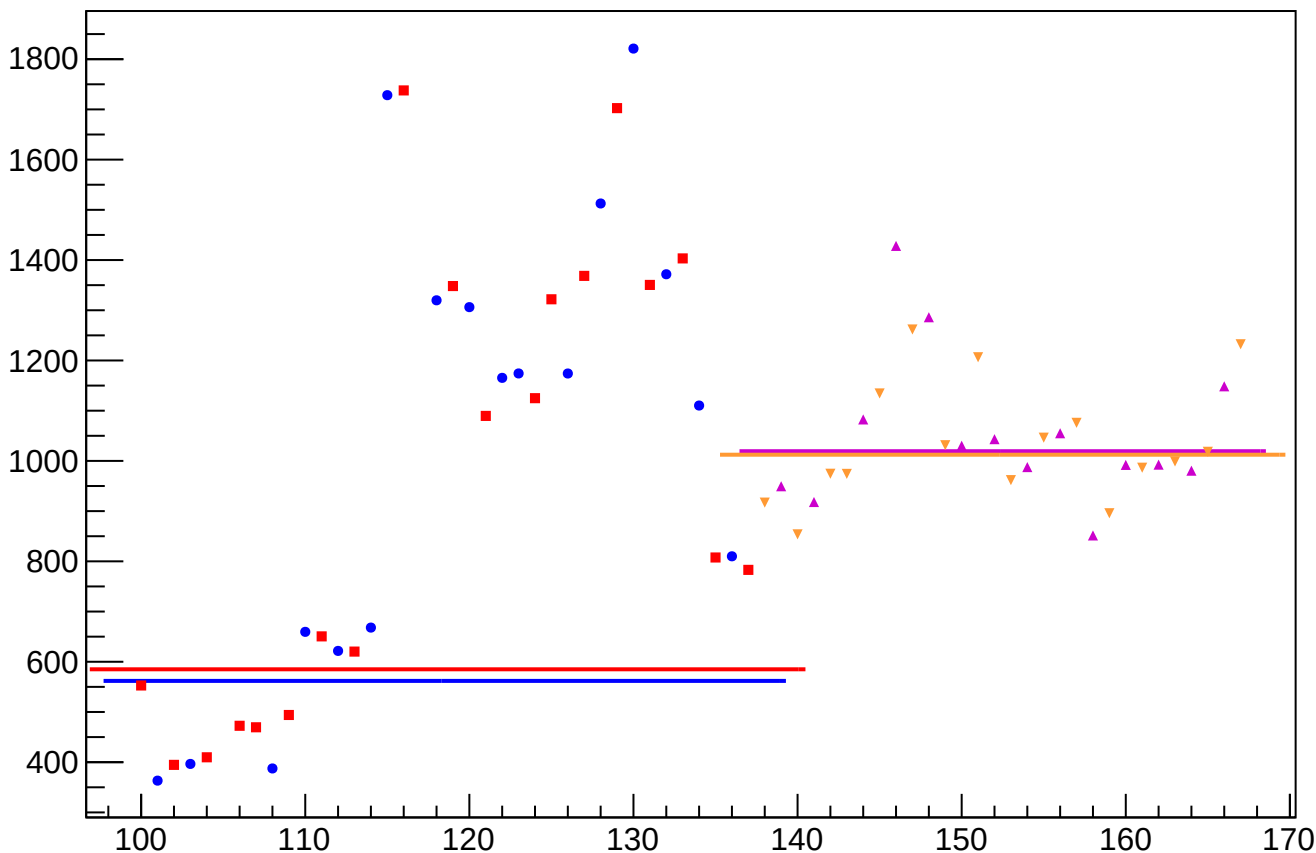
Right: -180.221+/-175.526 χ^2/NDF : 37.9/35

In: -182.393+/-195.234 χ^2/NDF : 40.1/30

Out: -154.434+/-189.032 χ^2/NDF : 44.2/34

All: -167.962+/-135.806 χ^2/NDF : 84.3/65

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: 1019.317 $\pm$ 0.220 χ^2 /NDF: 320896.2/13

Left: 1015.641 $\pm$ 0.152 χ^2 /NDF: 605078.7/29

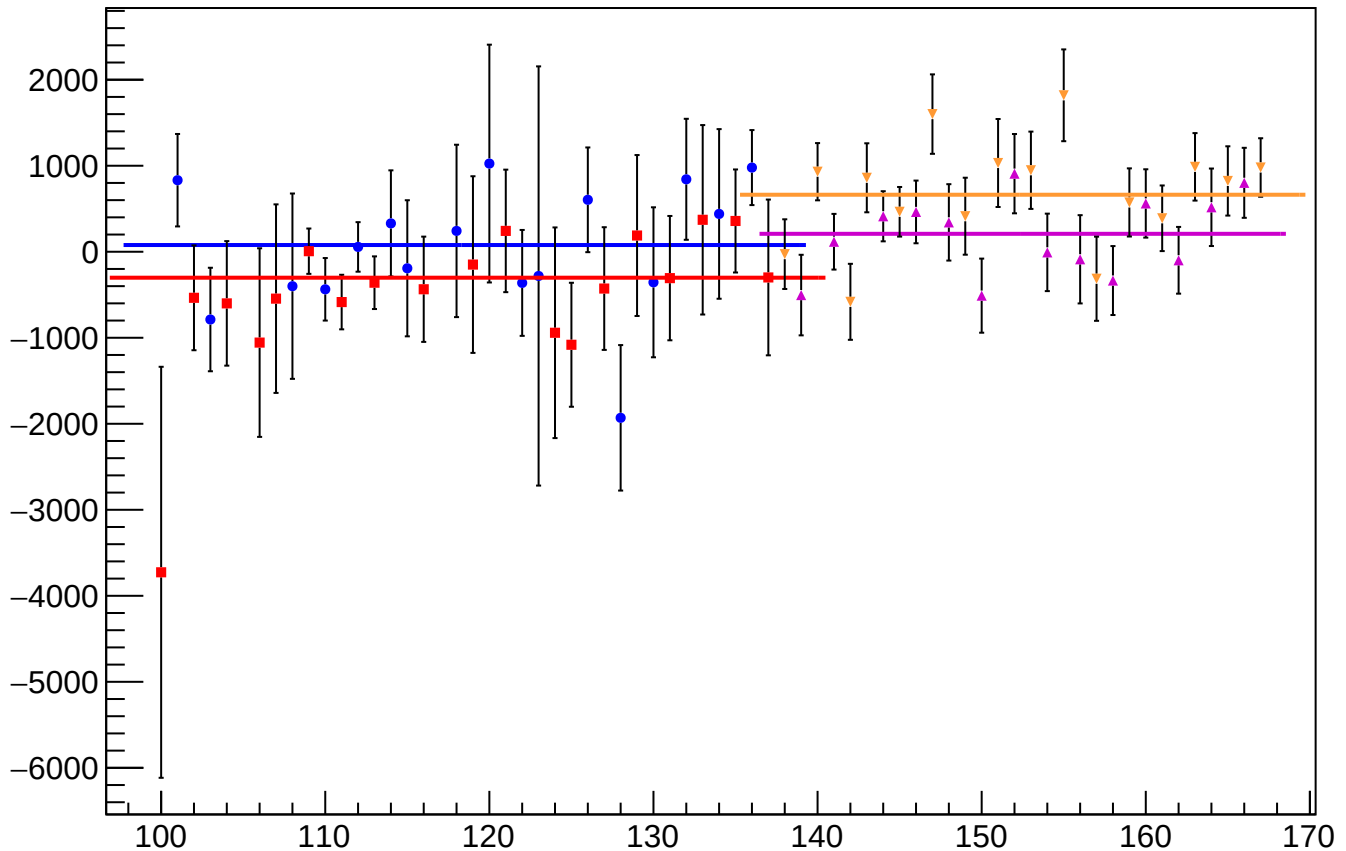
Right: 573.646 $\pm$ 0.124 χ^2 /NDF: 6049757.3/35

In: 741.322 $\pm$ 0.138 χ^2 /NDF: 6154807.1/30

Out: 760.174 $\pm$ 0.134 χ^2 /NDF: 5580614.5/34

All: 751.052 $\pm$ 0.096 χ^2 /NDF: 11745046.4/65

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 662.860+/-100.408 χ^2/NDF : 28.5/15

Right Out: -301.651+/-129.650 χ^2/NDF : 9.1/18

Left In: 208.526+/-106.917 χ^2/NDF : 15.0/13

Left: 449.942+/-73.192 χ^2/NDF : 53.1/29

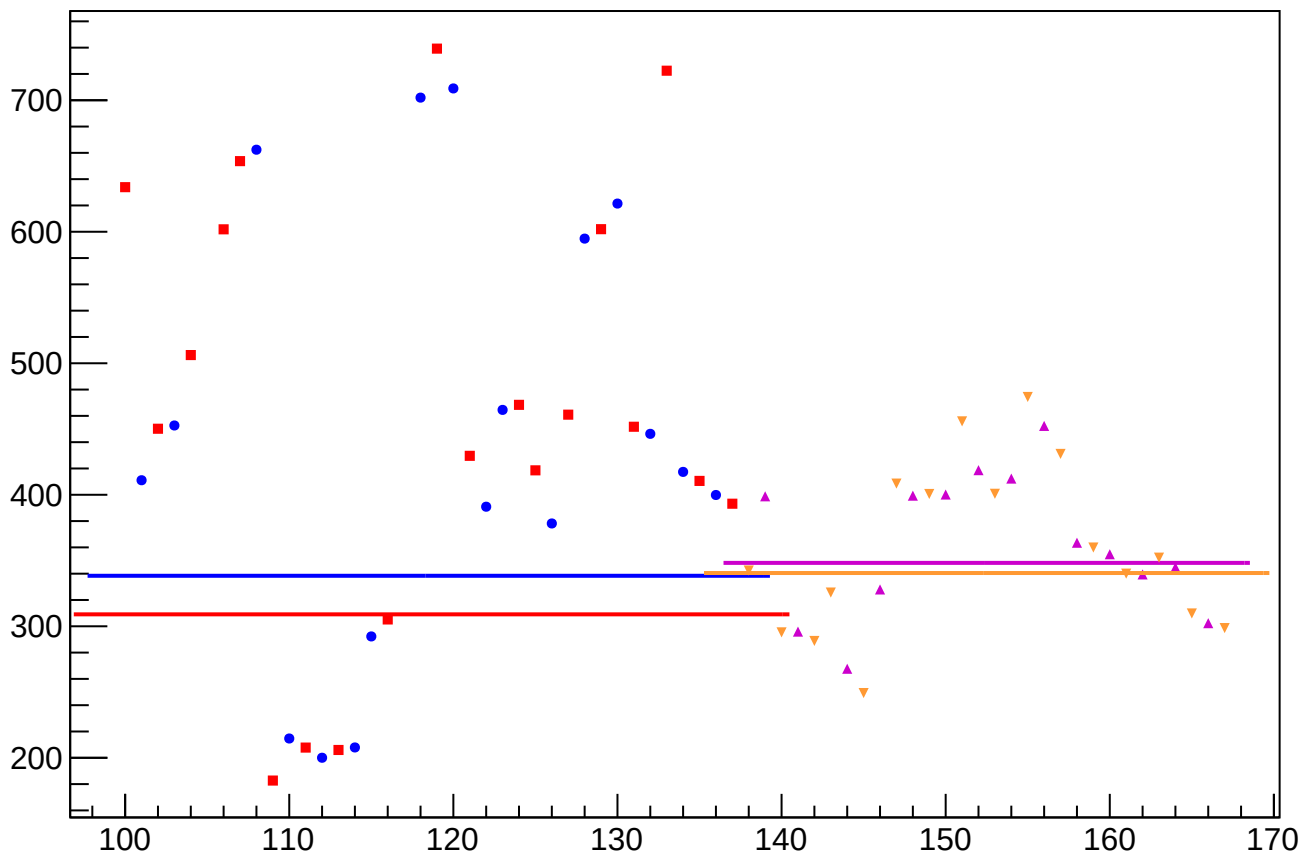
Right: -130.116+/-96.010 χ^2/NDF : 32.7/35

In: 161.735+/-85.601 χ^2/NDF : 35.3/30

Out: 301.250+/-79.385 χ^2/NDF : 72.2/34

All: 236.741+/-58.207 χ^2/NDF : 108.9/65

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 340.509 $\pm$ 0.071 χ^2 /NDF: 727293.9/15

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

Left In: 348.213 $\pm$ 0.076 χ^2 /NDF: 489645.1/13

Left: 344.119 $\pm$ 0.052 χ^2 /NDF: 1222456.5/29

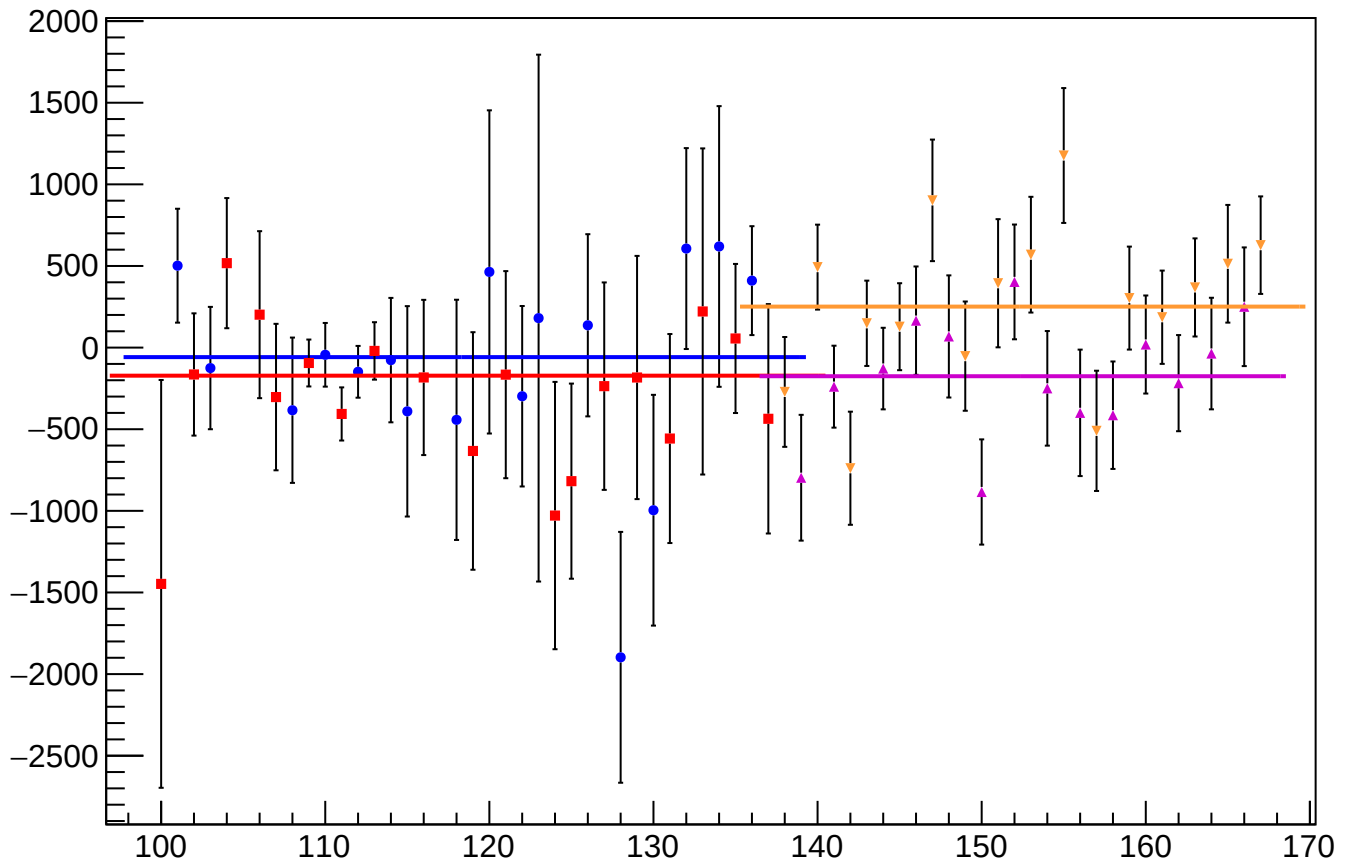
Right: 322.325 $\pm$ 0.068 χ^2 /NDF: 4788966.2/35

In: 344.693 $\pm$ 0.061 χ^2 /NDF: 2504970.4/30

Out: 328.726 $\pm$ 0.056 χ^2 /NDF: 3534219.5/34

All: 336.109 $\pm$ 0.041 χ^2 /NDF: 6076599.5/65

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 ± 90.484 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 251.116 ± 79.863 $\chi^2/\text{NDF}: 28.3/15$

Right Out: -171.954 ± 76.920 $\chi^2/\text{NDF}: 11.3/18$

Left In: -175.350 ± 85.956 $\chi^2/\text{NDF}: 14.6/13$

Left: 53.533 ± 58.507 $\chi^2/\text{NDF}: 56.1/29$

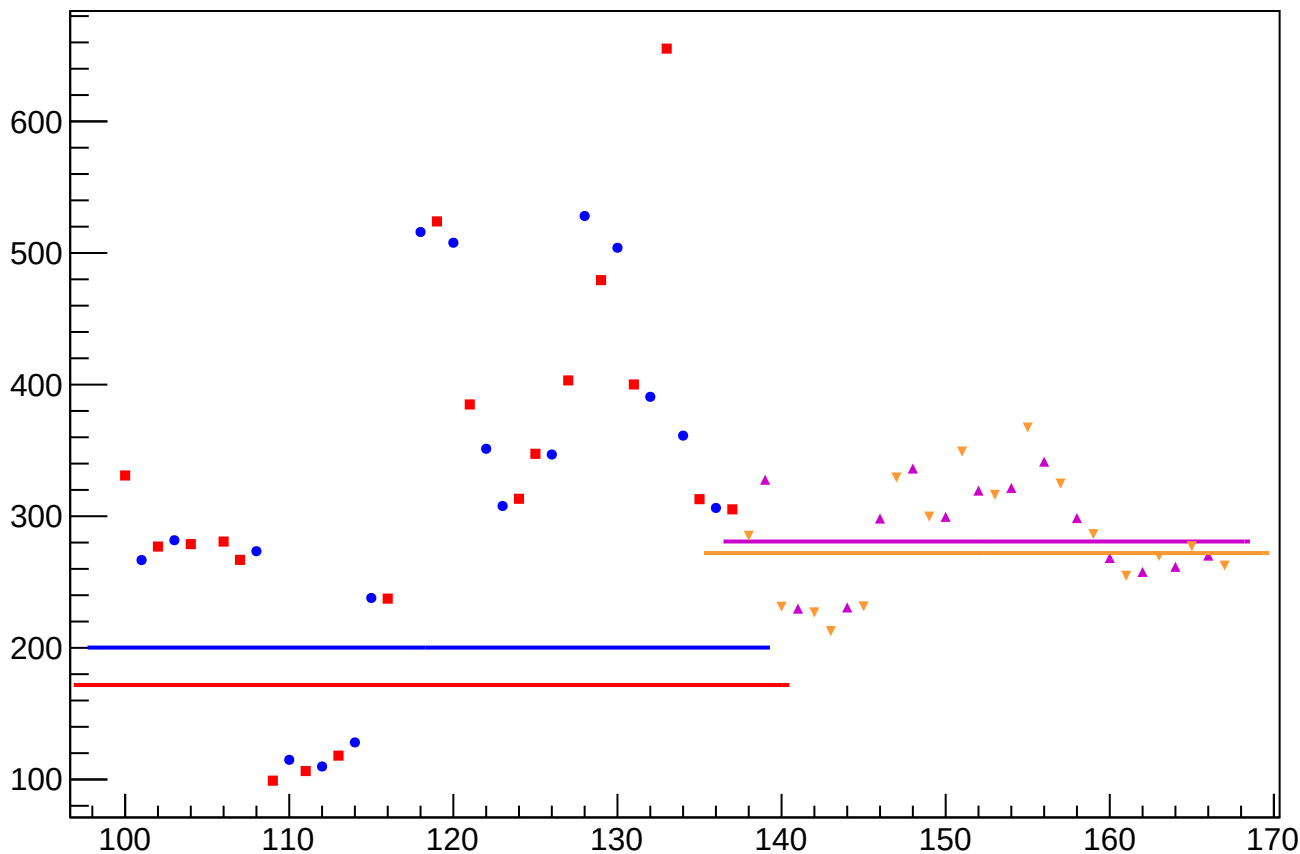
Right: -124.276 ± 58.606 $\chi^2/\text{NDF}: 28.1/35$

In: -119.826 ± 62.320 $\chi^2/\text{NDF}: 31.4/30$

Out: 31.641 ± 55.402 $\chi^2/\text{NDF}: 54.2/34$

All: -35.222 ± 41.406 $\chi^2/\text{NDF}: 88.8/65$

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: 280.814 $\pm$ 0.061 χ^2/NDF :378802.3/13

Left: 276.098 $\pm$ 0.041 χ^2/NDF : 956371.7/29

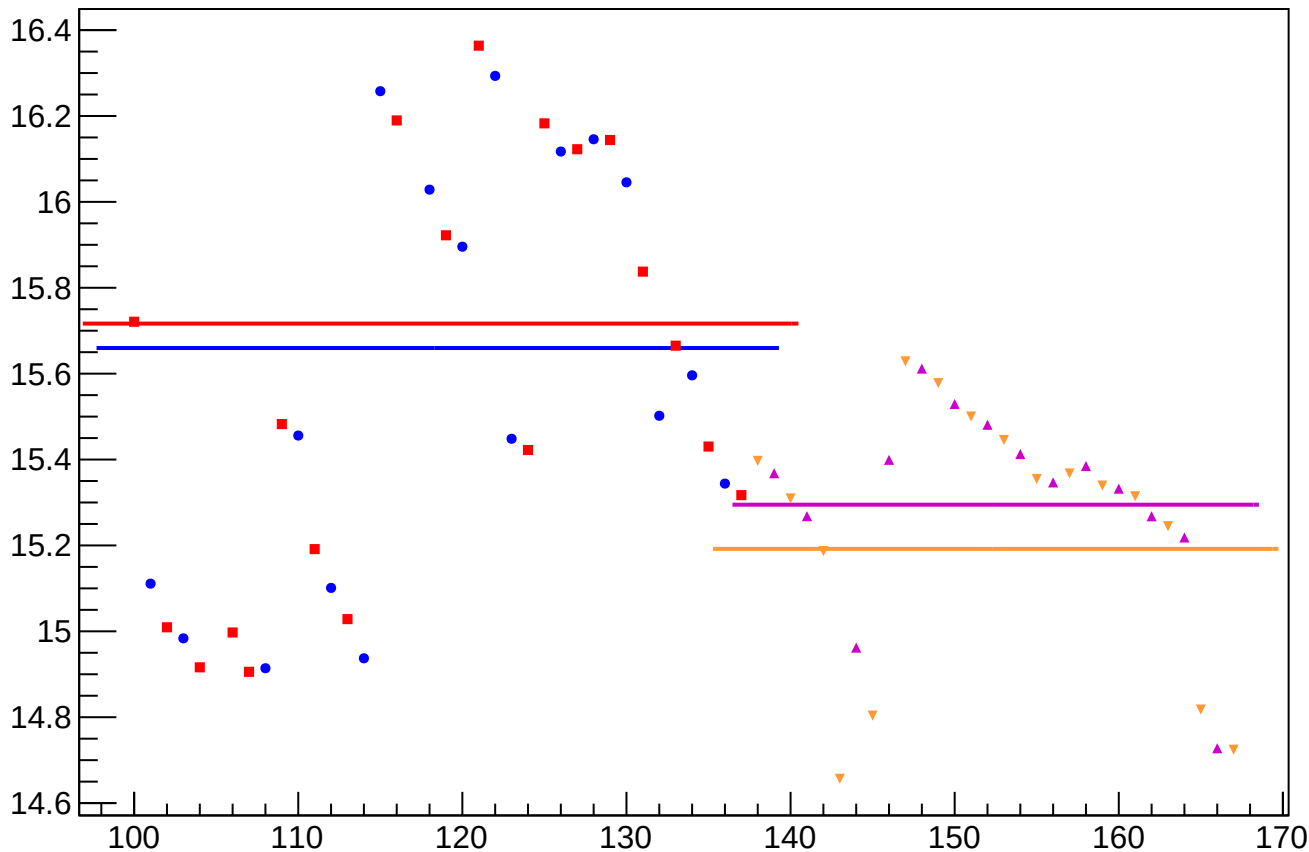
Right: 183.693 $\pm$ 0.041 χ^2/NDF : 7595909.3/35

In: 242.579 $\pm$ 0.044 χ^2/NDF :4600267.2/30

Out: 220.011 $\pm$ 0.039 χ^2/NDF :6295790.8/34

All: 229.973 $\pm$ 0.029 χ^2/NDF : 11042558.1/65

yield_sam1_mean vs Slug, Sign Corrected



Left: 15.240 +/- 0.000 χ^2/NDF : 12978403142.4/29

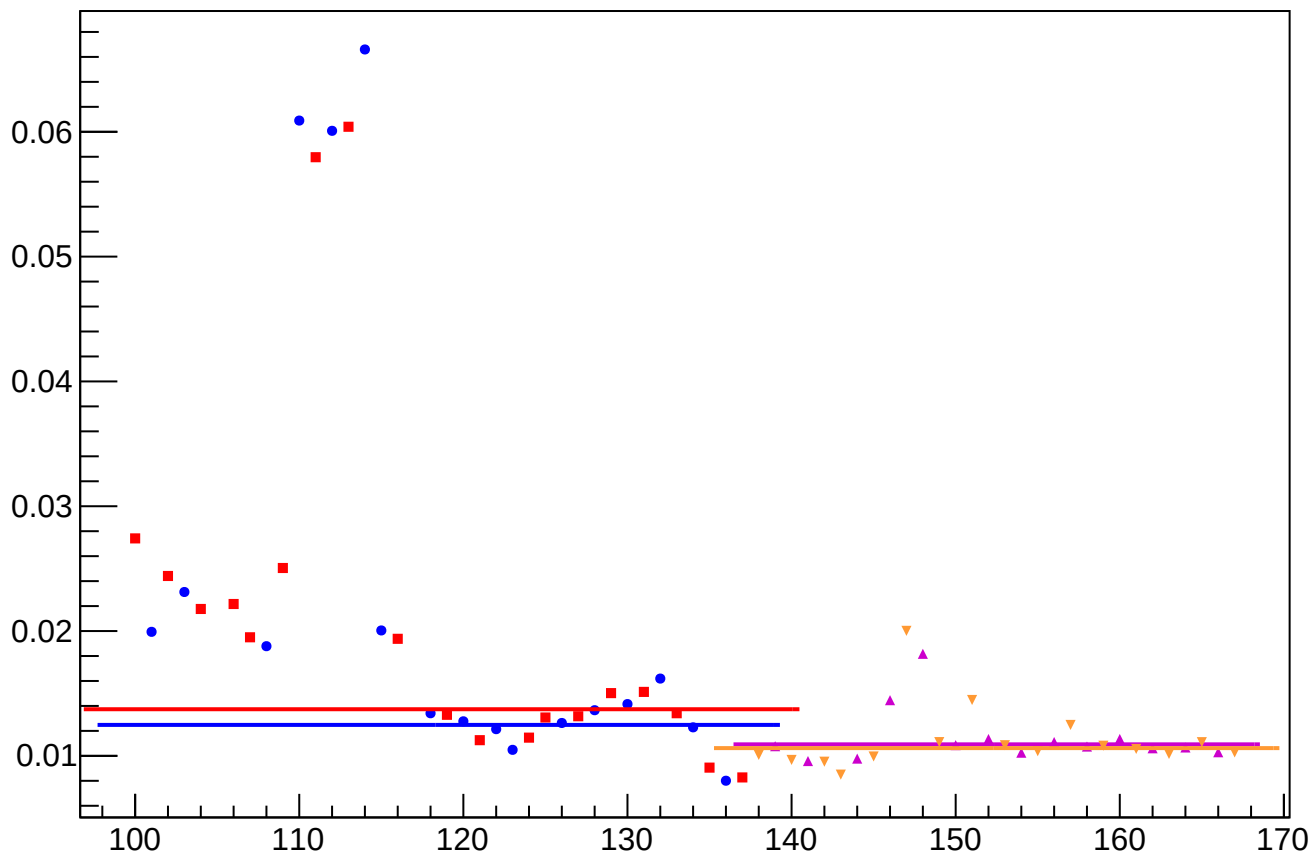
Right: 15.686 +/- 0.000 χ^2/NDF : 11294352327.9/35

In: 15.397 +/- 0.000 χ^2/NDF : 12620314268.7/30

Out: 15.311 +/- 0.000 χ^2/NDF : 20429793407.6/34

All: 15.353 +/- 0.000 χ^2/NDF : 33498431024.1

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:402078.2/13

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 1000998.9/29

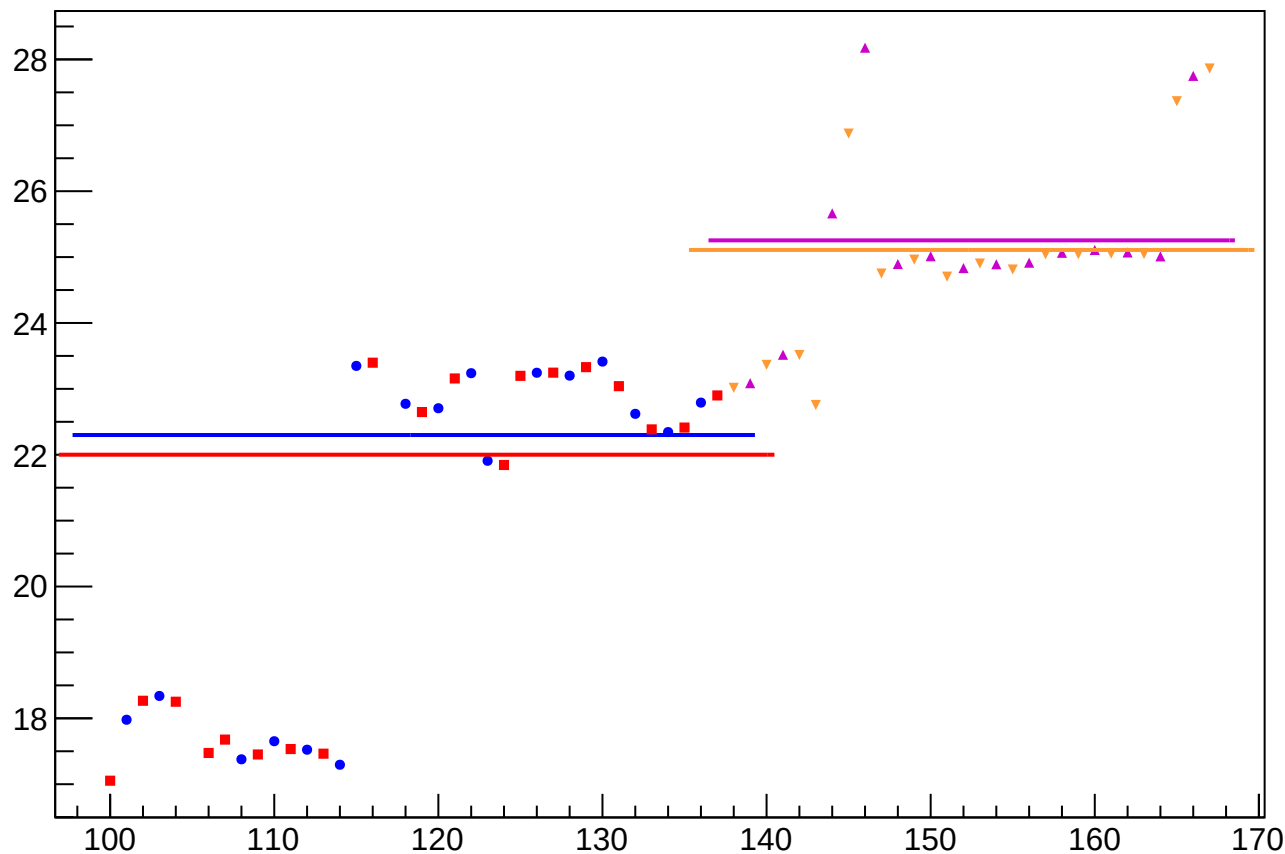
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 4279107.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2670756.1/30

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:3100929.0/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5771782.6/65

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: 25.254+/-0.000 χ^2/NDF : 1005910723.1/13

Left: 25.175+/-0.000 χ^2/NDF : 2780509874.5/29

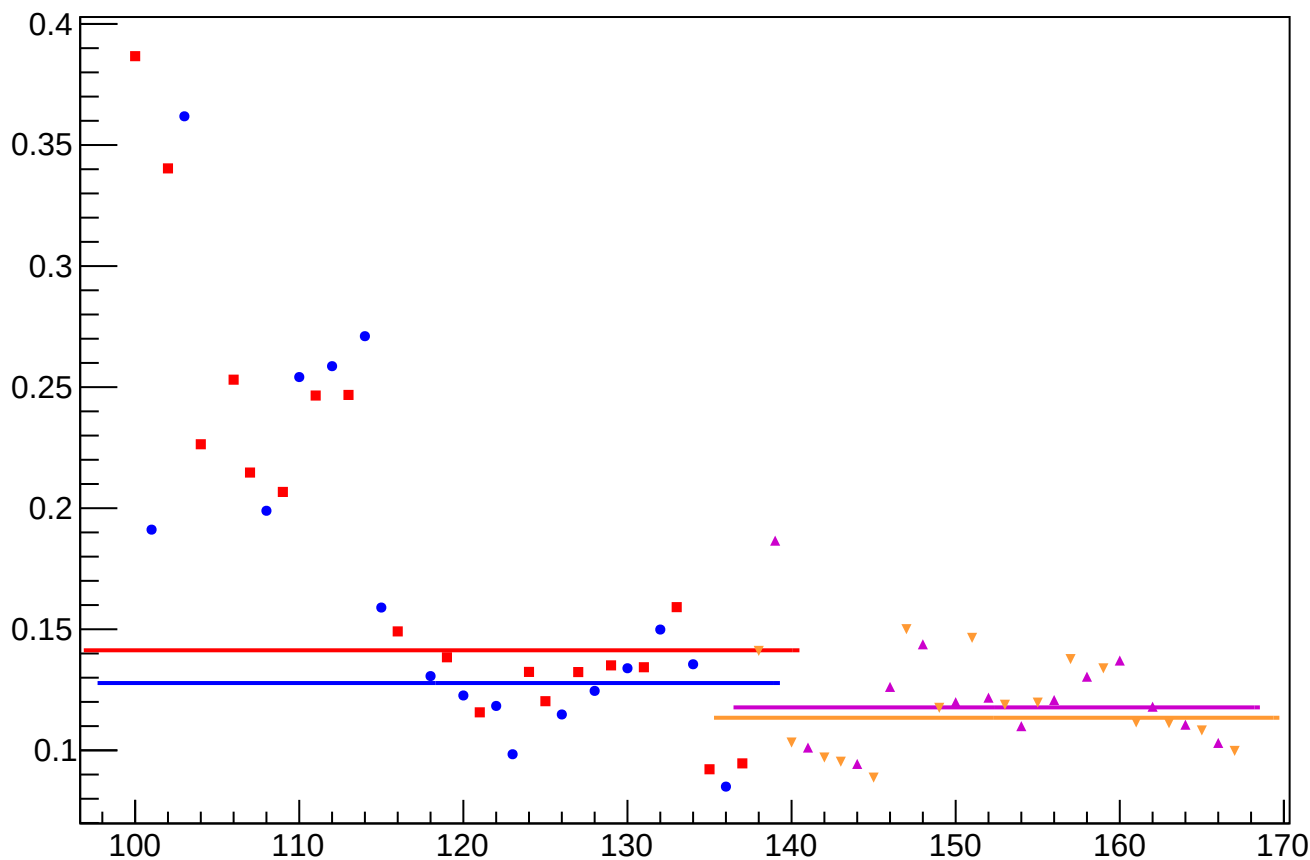
Right: 22.159+/-0.000 χ^2/NDF : 2017477949.3/35

In: 24.322+/-0.000 χ^2/NDF : 3794560734.4/30

Out: 24.300+/-0.000 χ^2/NDF : 4803514751.7/34

All: 24.311+/-0.000 χ^2/NDF : 8598320607.2/6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.113 $\pm$ 0.000 χ^2 /NDF:487377.3/15

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1449275.1/18

Left In: 0.118 $\pm$ 0.000 χ^2 /NDF:451215.8/13

Left: 0.115 $\pm$ 0.000 χ^2 /NDF: 951868.6/29

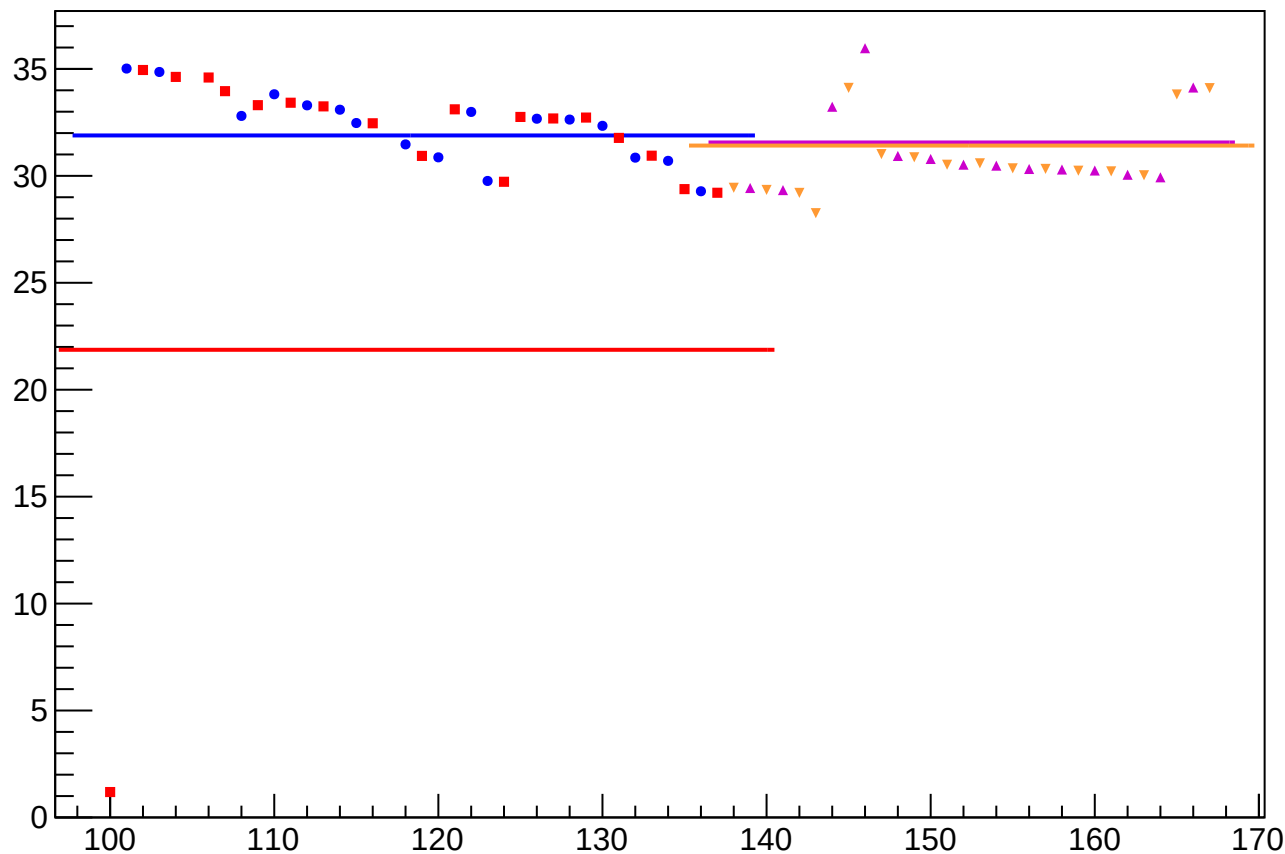
Right: 0.134 $\pm$ 0.000 χ^2 /NDF: 2994732.7/35

In: 0.121 $\pm$ 0.000 χ^2 /NDF:1986193.1/30

Out: 0.121 $\pm$ 0.000 χ^2 /NDF:2253375.0/34

All: 0.121 $\pm$ 0.000 χ^2 /NDF: 4239612.2/65

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: 31.561+/-0.000 χ^2/NDF : 7768502625.8/13

Left: 31.484+/-0.000 χ^2/NDF : 15820983348.8/29

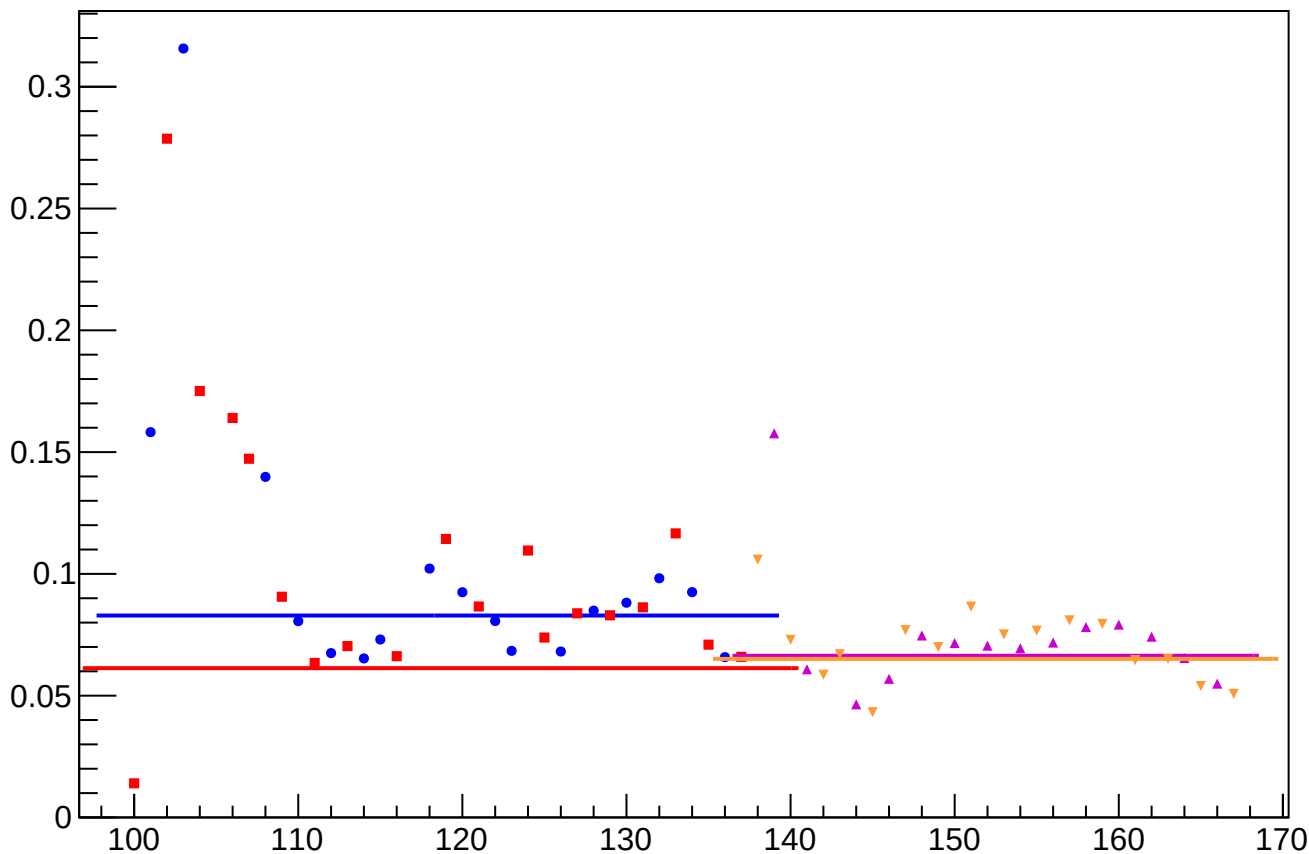
Right: 25.887+/-0.000 χ^2/NDF : 274879927198.7/35

In: 31.651+/-0.000 χ^2/NDF : 9754594013.7/30

Out: 28.227+/-0.000 χ^2/NDF : 302736472314.1/34

All: 29.760+/-0.000 χ^2/NDF : 329220652990.

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: 0.066+/-0.000 χ^2/NDF : 890176.8/13

Left: 0.066+/-0.000 χ^2/NDF : 1768569.2/29

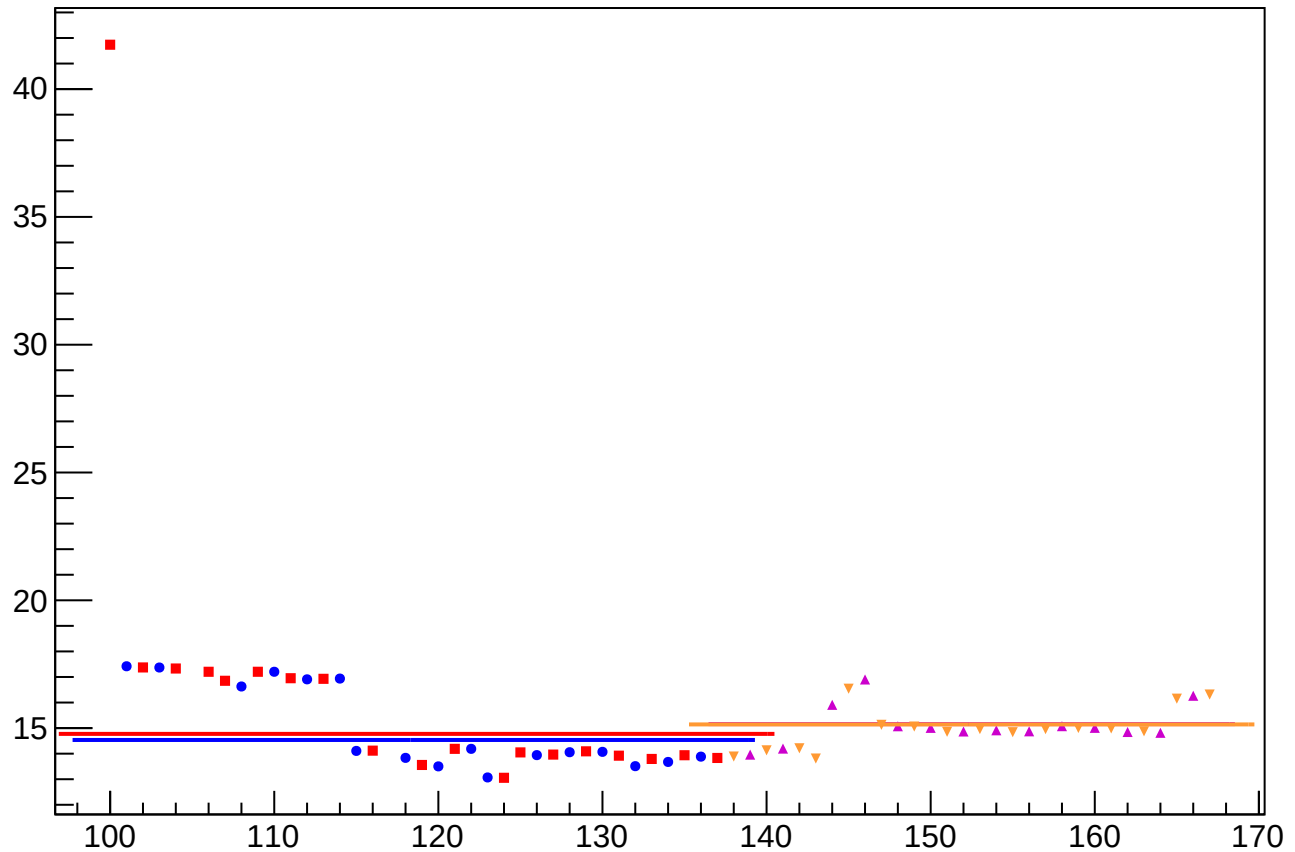
Right: 0.070+/-0.000 χ^2/NDF : 5167150.6/35

In: 0.071+/-0.000 χ^2/NDF : 2336600.8/30

Out: 0.064+/-0.000 χ^2/NDF : 4499662.1/34

All: 0.067+/-0.000 χ^2/NDF : 6980357.4/65

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: 15.157+/-0.000 χ^2/NDF : 894081430.1/13

Left: 15.150+/-0.000 χ^2/NDF : 2302576648.3/29

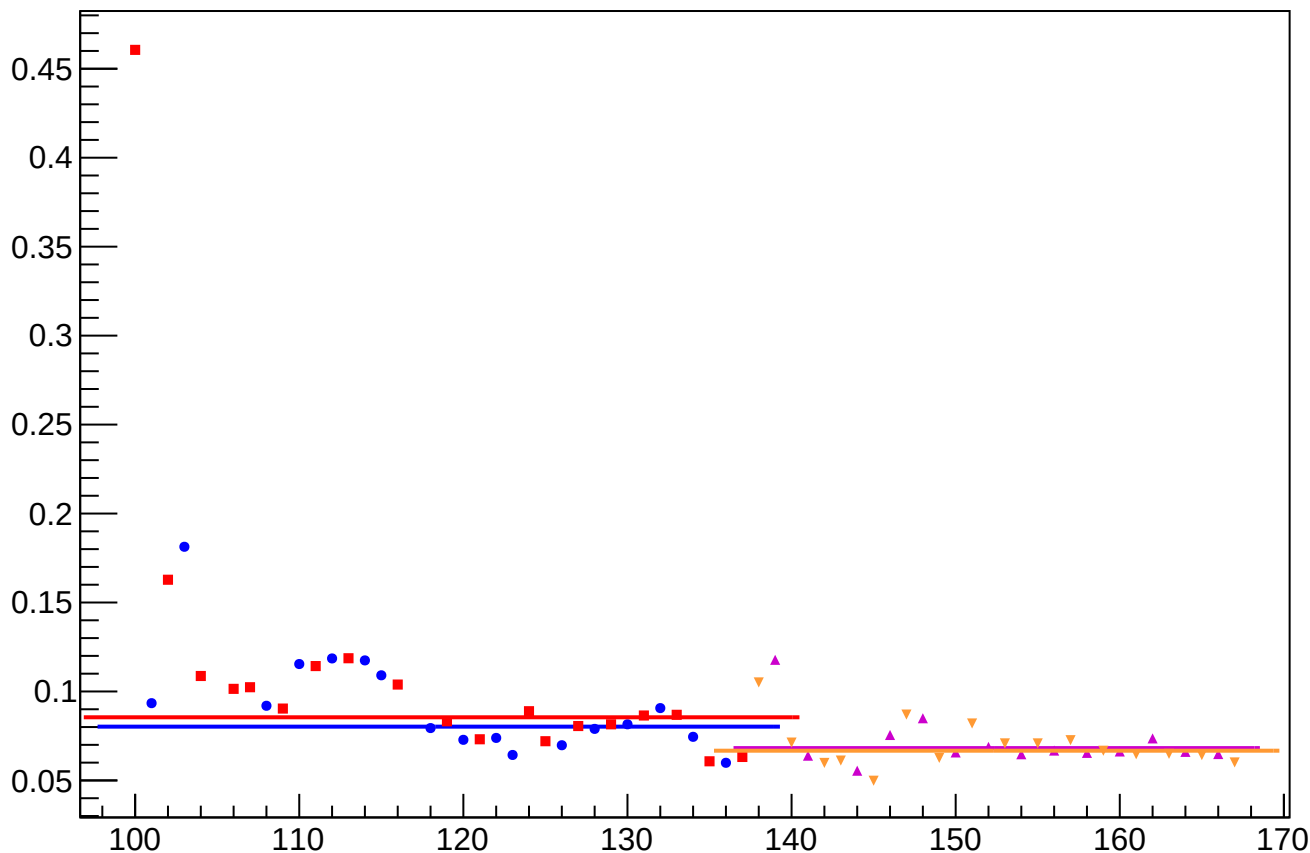
Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35

In: 14.968+/-0.000 χ^2/NDF : 2595023960.0/30

Out: 15.046+/-0.000 χ^2/NDF : 3376100864.3/34

All: 15.009+/-0.000 χ^2/NDF : 5979996427.2/6

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: 0.068+/-0.000 χ^2/NDF : 414470.3/13

Left: 0.067+/-0.000 χ^2/NDF : 914653.0/29

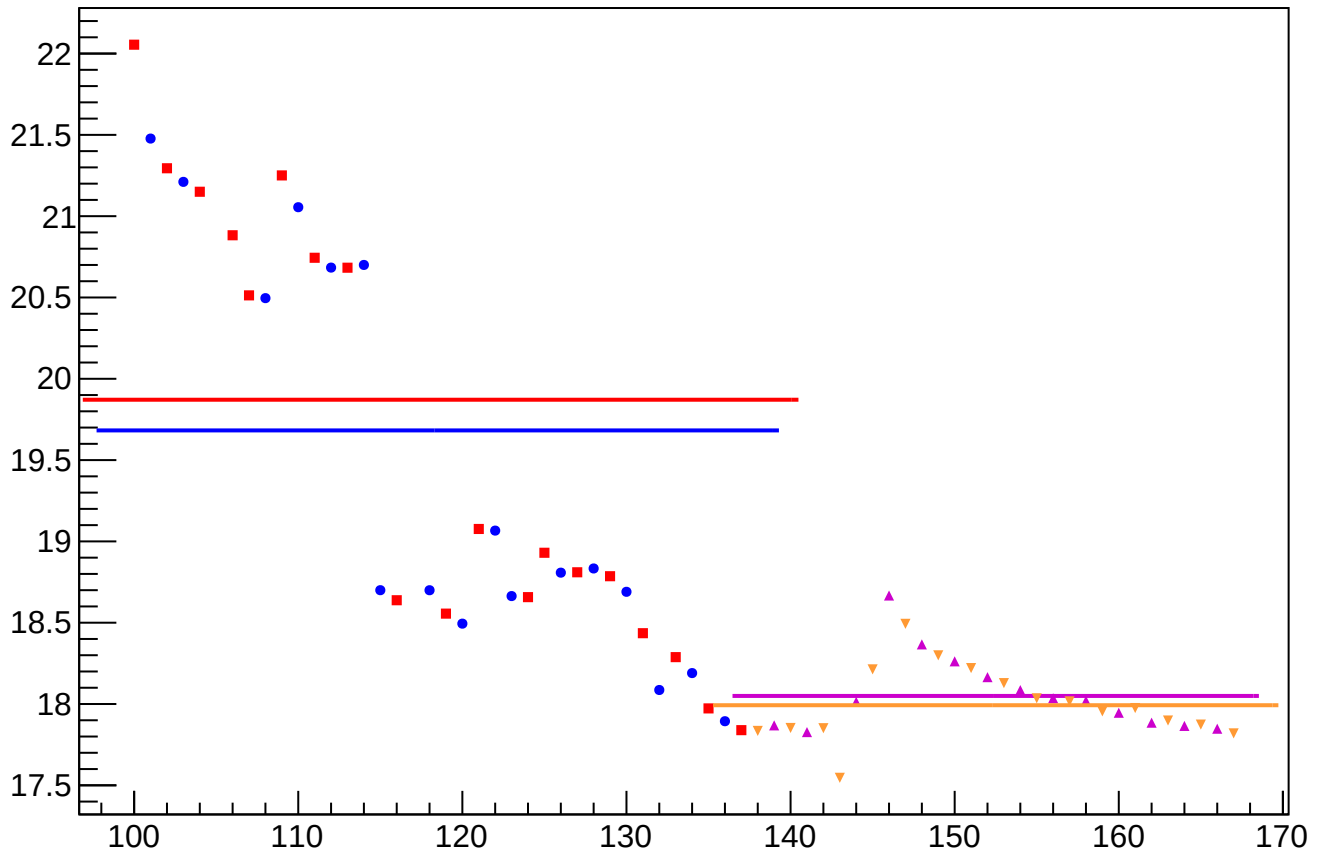
Right: 0.083+/-0.000 χ^2/NDF : 1539722.7/35

In: 0.072+/-0.000 χ^2/NDF : 1366786.7/30

Out: 0.072+/-0.000 χ^2/NDF : 1650643.3/34

All: 0.072+/-0.000 χ^2/NDF : 3017501.7/65

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683 $\pm$ 0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.993 $\pm$ 0.000 χ^2/NDF : 455834753.0/15

Right Out: 19.871 $\pm$ 0.000 χ^2/NDF : 11324266794.7/18

Left In: 18.050 $\pm$ 0.000 χ^2/NDF : 398519087.8/13

Left: 18.020 $\pm$ 0.000 χ^2/NDF : 871694282.0/29

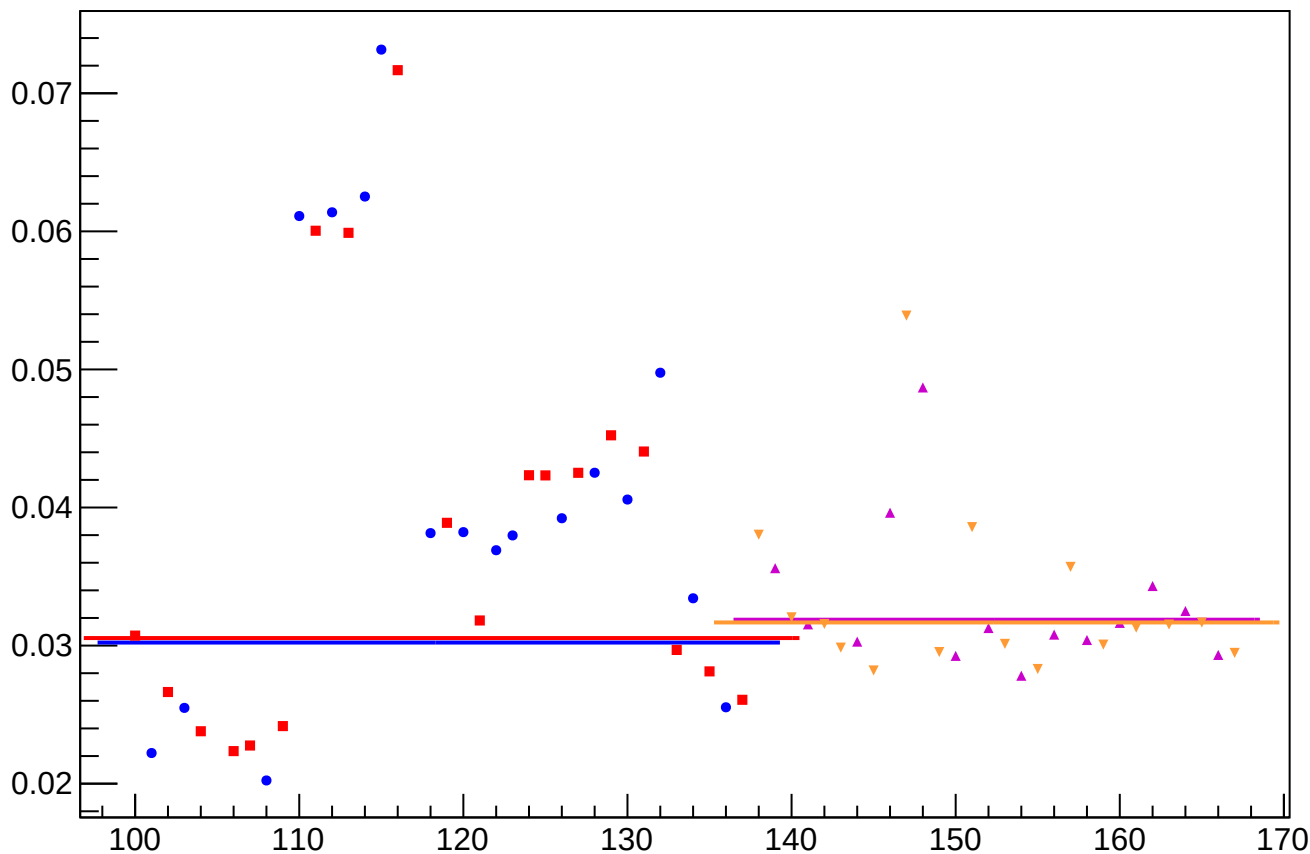
Right: 19.778 $\pm$ 0.000 χ^2/NDF : 23711776447.8/35

In: 18.664 $\pm$ 0.000 χ^2/NDF : 22839509252.6/30

Out: 18.671 $\pm$ 0.000 χ^2/NDF : 26034517424.0/34

All: 18.668 $\pm$ 0.000 χ^2/NDF : 48874417749.7

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 :329930.9/13

Left: 0.032+/-0.000 χ^2/NDF : 764261.5/29

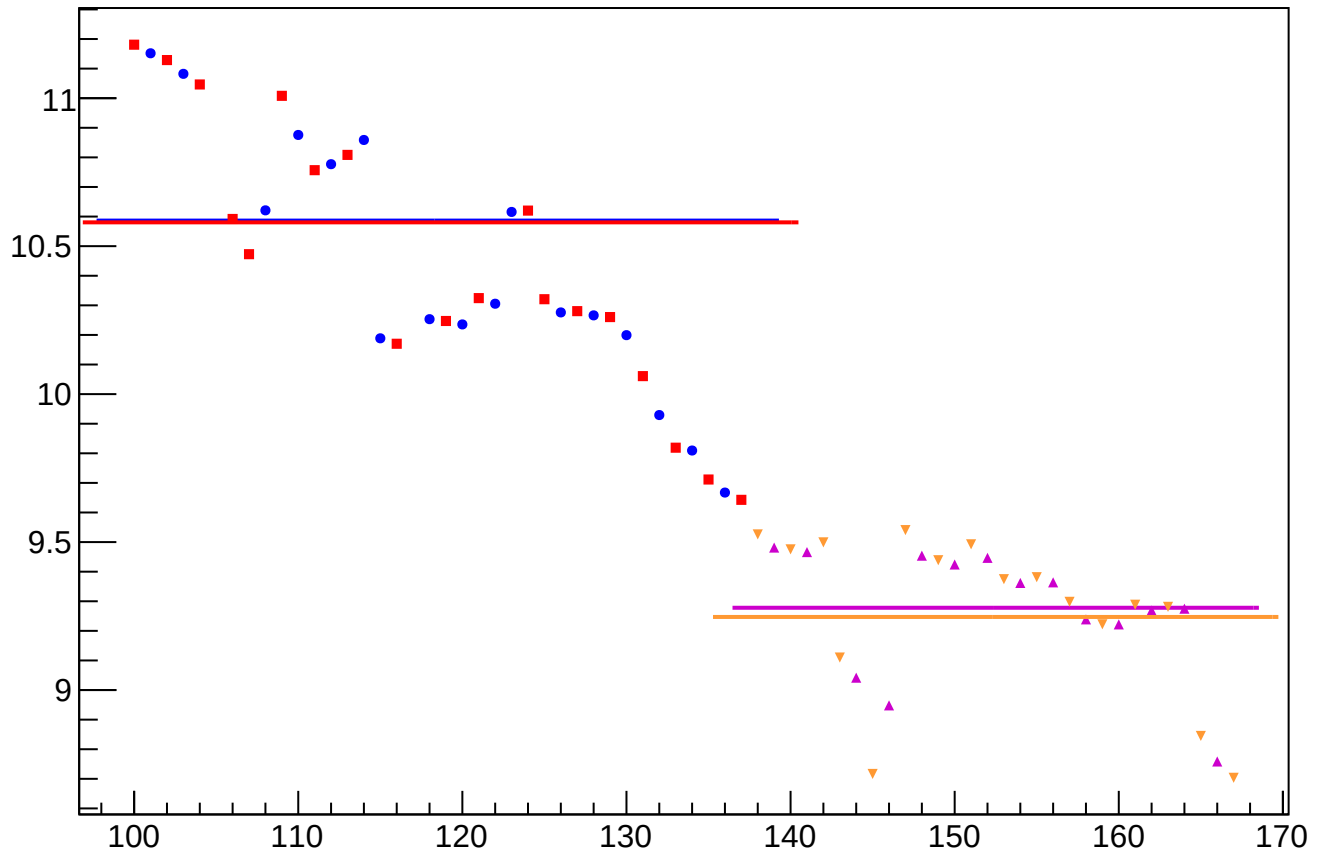
Right: 0.030+/-0.000 χ^2/NDF : 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF :1675312.3/30

Out: 0.031+/-0.000 χ^2/NDF :1633969.3/34

All: 0.031+/-0.000 χ^2/NDF : 3309285.8/65

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: 9.278+/-0.000 χ^2/NDF : 927199457.1/13

Left: 9.261+/-0.000 χ^2/NDF : 2939643451.7/29

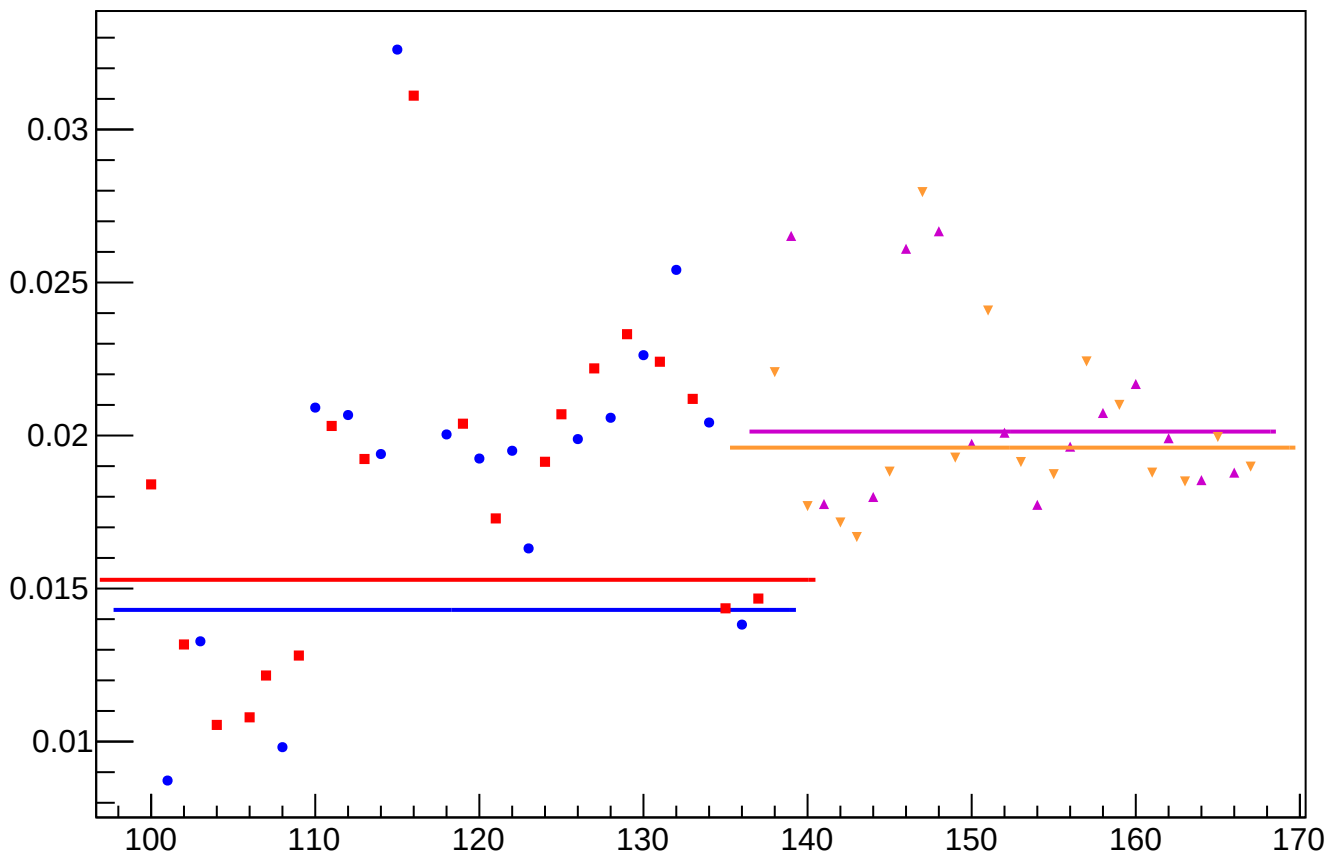
Right: 10.583+/-0.000 χ^2/NDF : 13184410027.5/35

In: 9.954+/-0.000 χ^2/NDF : 29878046389.1/30

Out: 9.879+/-0.000 χ^2/NDF : 31398703268.5/34

All: 9.916+/-0.000 χ^2/NDF : 61423930560.5/66

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:315817.5/15

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:351418.8/13

Left: 0.020 $\pm$ 0.000 χ^2 /NDF: 674407.5/29

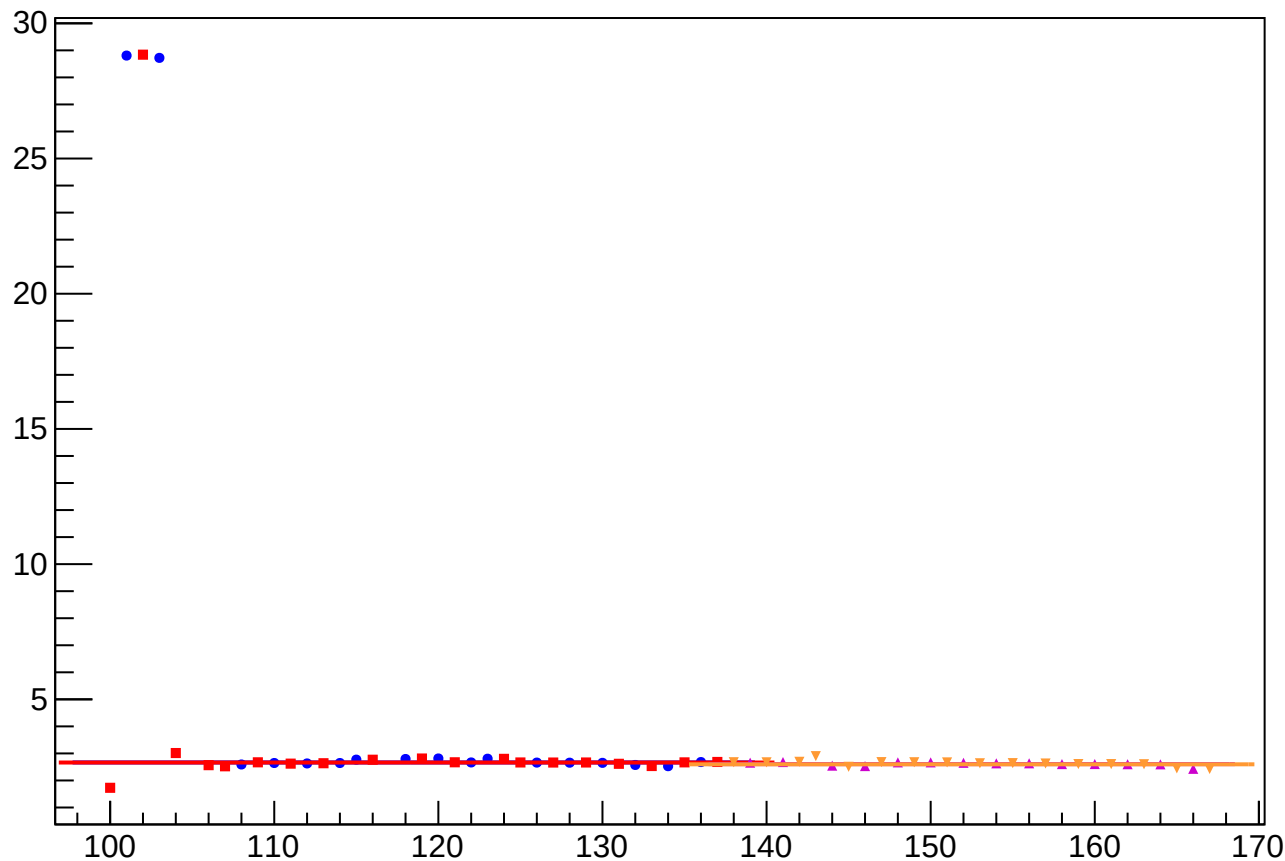
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 2421831.8/35

In: 0.017 $\pm$ 0.000 χ^2 /NDF:2613512.1/30

Out: 0.018 $\pm$ 0.000 χ^2 /NDF:1800659.6/34

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4424221.1/65

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: 2.605+/-0.000 χ^2/NDF : 7305944455.1/13

Left: 2.601+/-0.000 χ^2/NDF : 30448453917.5/29

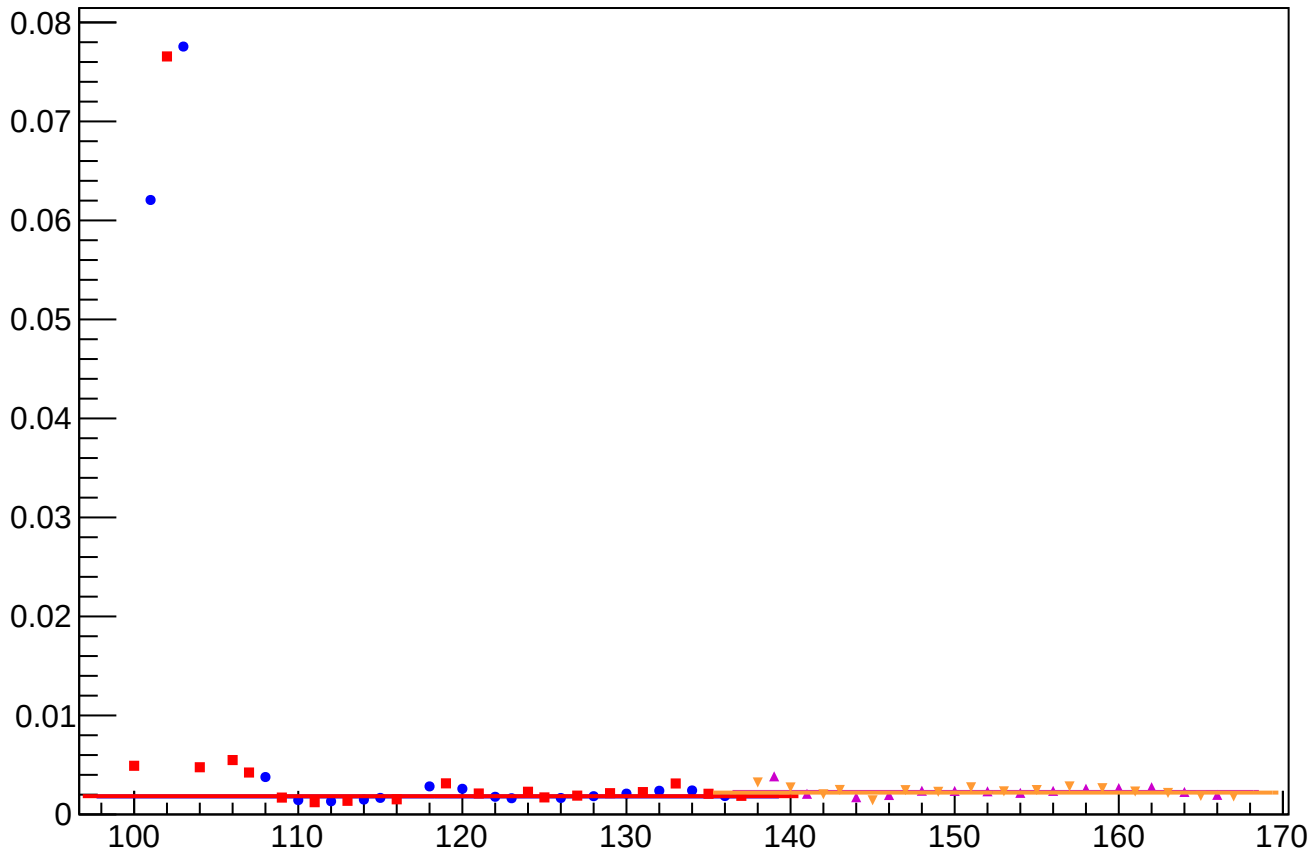
Right: 2.665+/-0.000 χ^2/NDF : 233569925265.6/35

In: 2.632+/-0.000 χ^2/NDF : 173290880839.4/30

Out: 2.625+/-0.000 χ^2/NDF : 97099636369.8/34

All: 2.628+/-0.000 χ^2/NDF : 270465756769.1

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 :521650.7/13

Left: 0.002+/-0.000 χ^2/NDF : 1342944.4/29

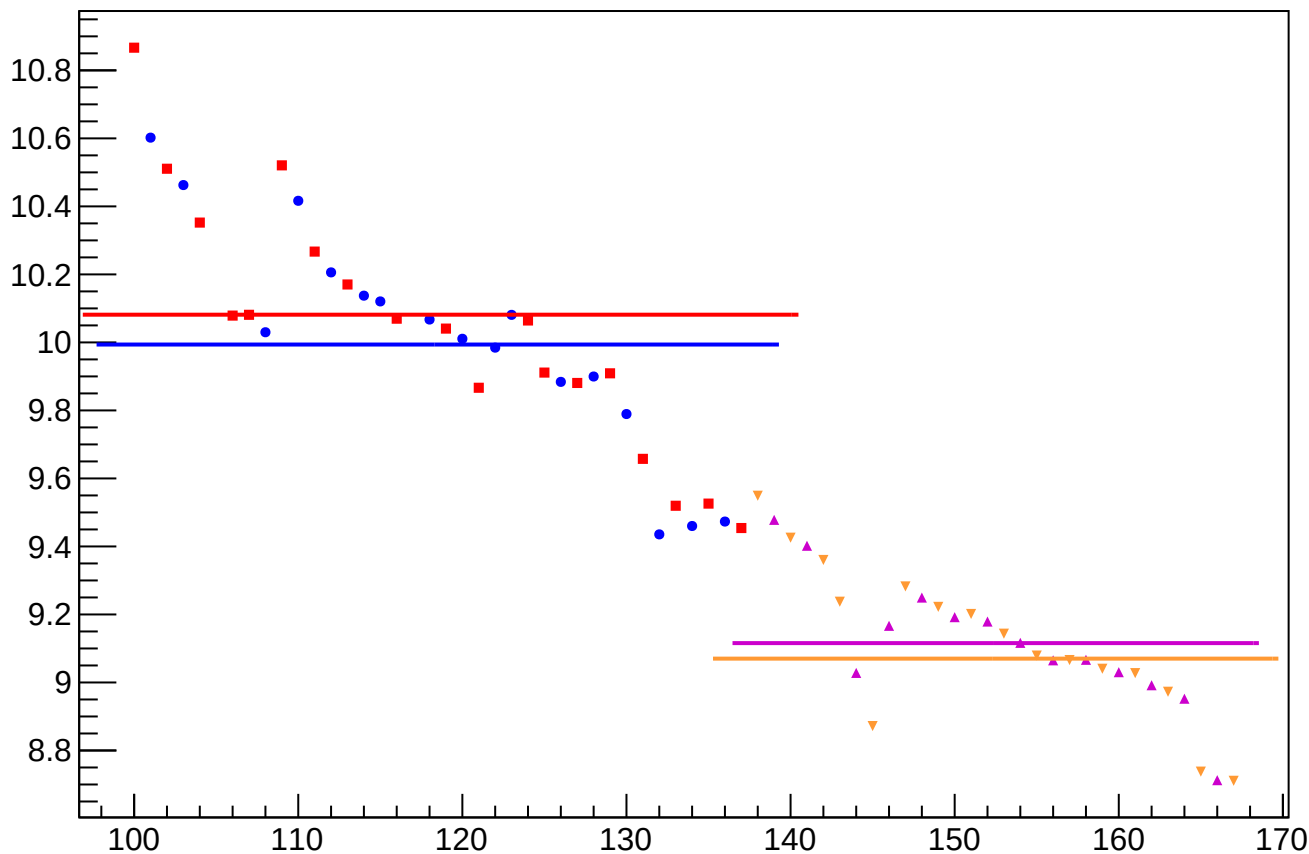
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF :3495545.3/30

Out: 0.002+/-0.000 χ^2/NDF :3358935.8/34

All: 0.002+/-0.000 χ^2/NDF : 6855306.1/65

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.070 $\pm$ 0.000 χ^2/NDF : 9968187793.3/15

Right Out: 10.082 $\pm$ 0.000 χ^2/NDF : 15502695798.7/18

Left In: 9.116 $\pm$ 0.000 χ^2/NDF : 4999959045.2/13

Left: 9.091 $\pm$ 0.000 χ^2/NDF : 15204022675.9/29

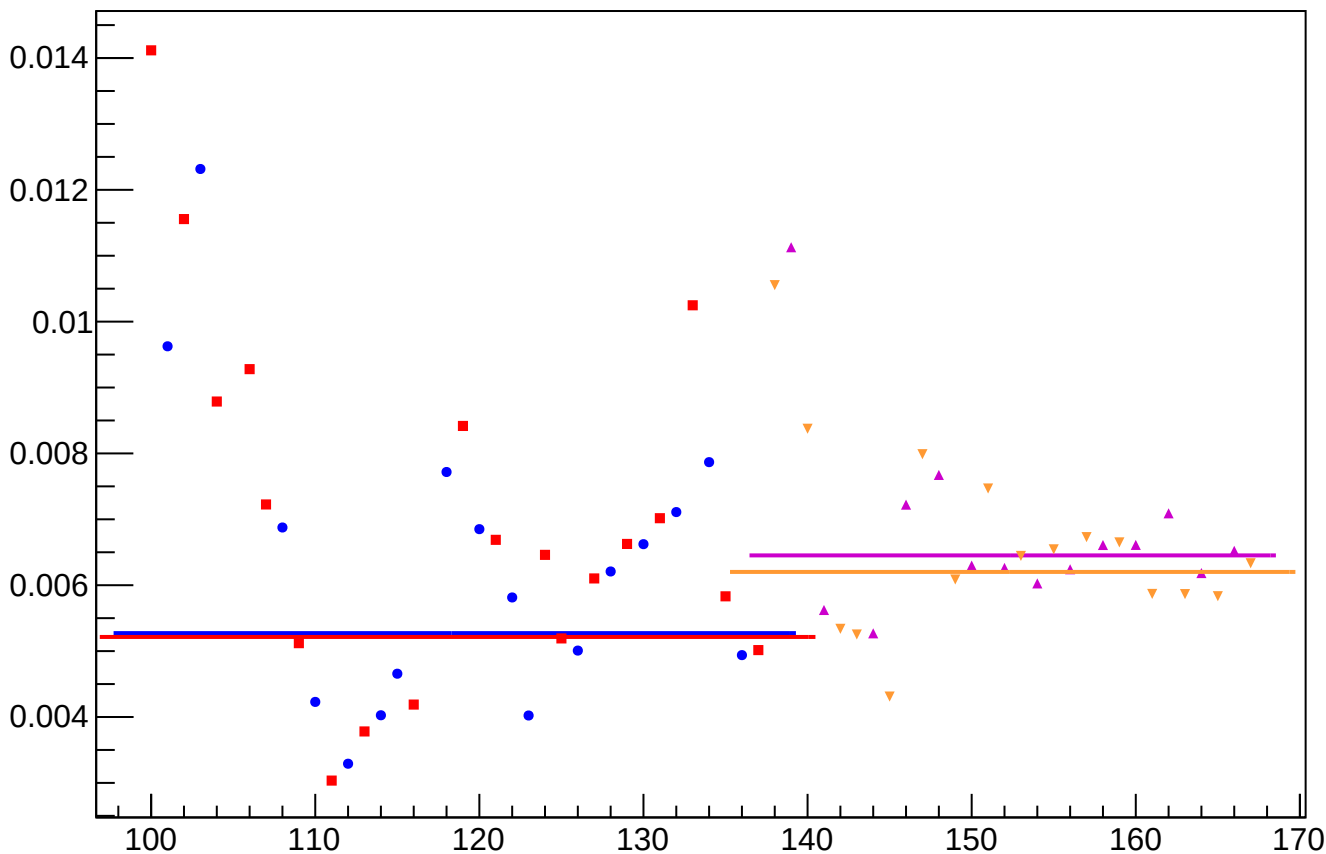
Right: 10.039 $\pm$ 0.000 χ^2/NDF : 35036056098.5/35

In: 9.522 $\pm$ 0.000 χ^2/NDF : 98671604104.1/30

Out: 9.513 $\pm$ 0.000 χ^2/NDF : 135881736572.1/34

All: 9.518 $\pm$ 0.000 χ^2/NDF : 234569100744.8

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1245563.1/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 682987.2/15

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1657948.7/18

Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 403729.3/13

Left: 0.006 $\pm$ 0.000 χ^2 /NDF: 1100966.4/29

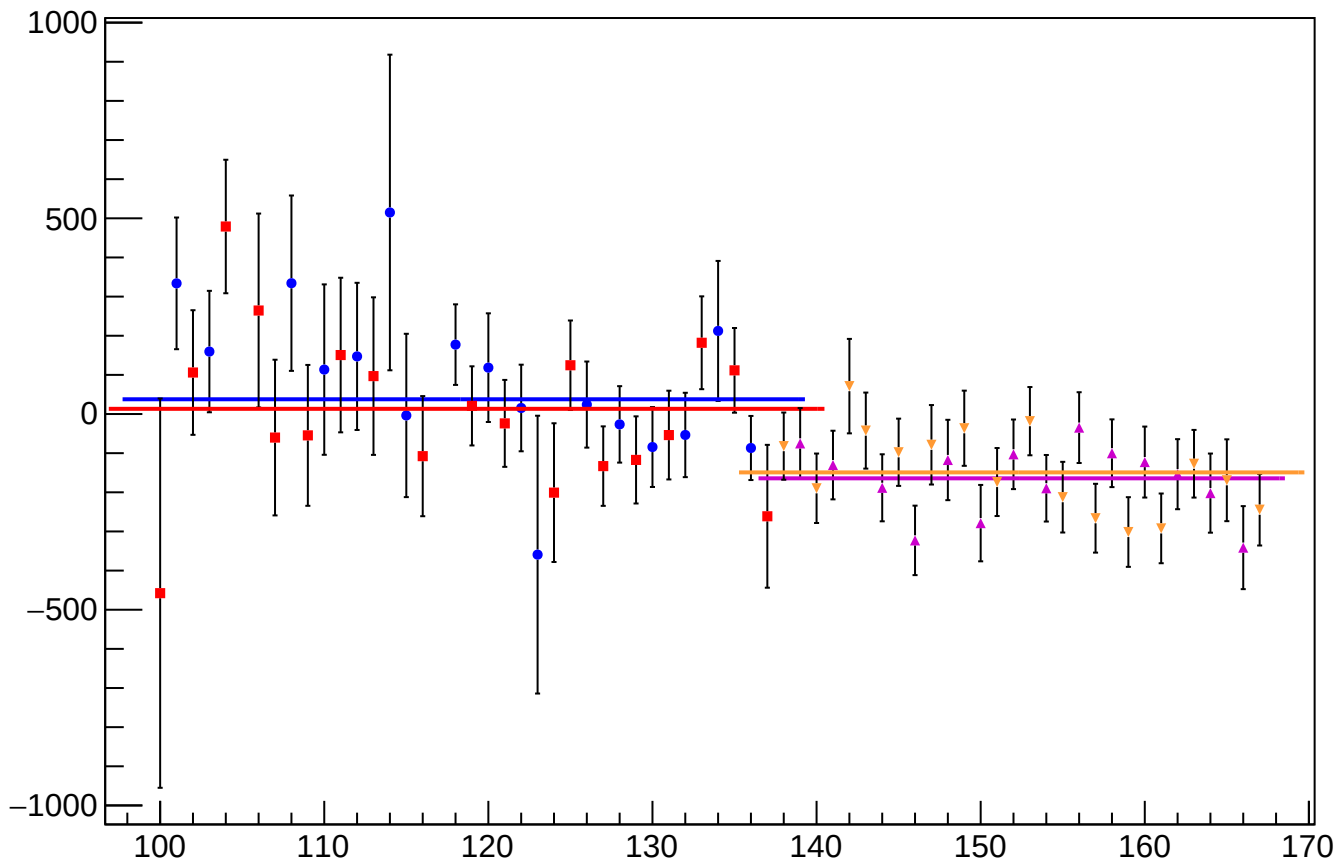
Right: 0.005 $\pm$ 0.000 χ^2 /NDF: 2904141.2/35

In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1919517.6/30

Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 2551184.1/34

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4478494.4/65

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -149.127 $\pm$ 22.992 χ^2 /NDF:18.9/15

Right Out: 13.278 $\pm$ 32.066 χ^2 /NDF: 22.7/18

Left In: -164.312 $\pm$ 24.470 χ^2 /NDF:12.3/13

Left: -156.247 $\pm$ 16.756 χ^2 /NDF: 31.4/29

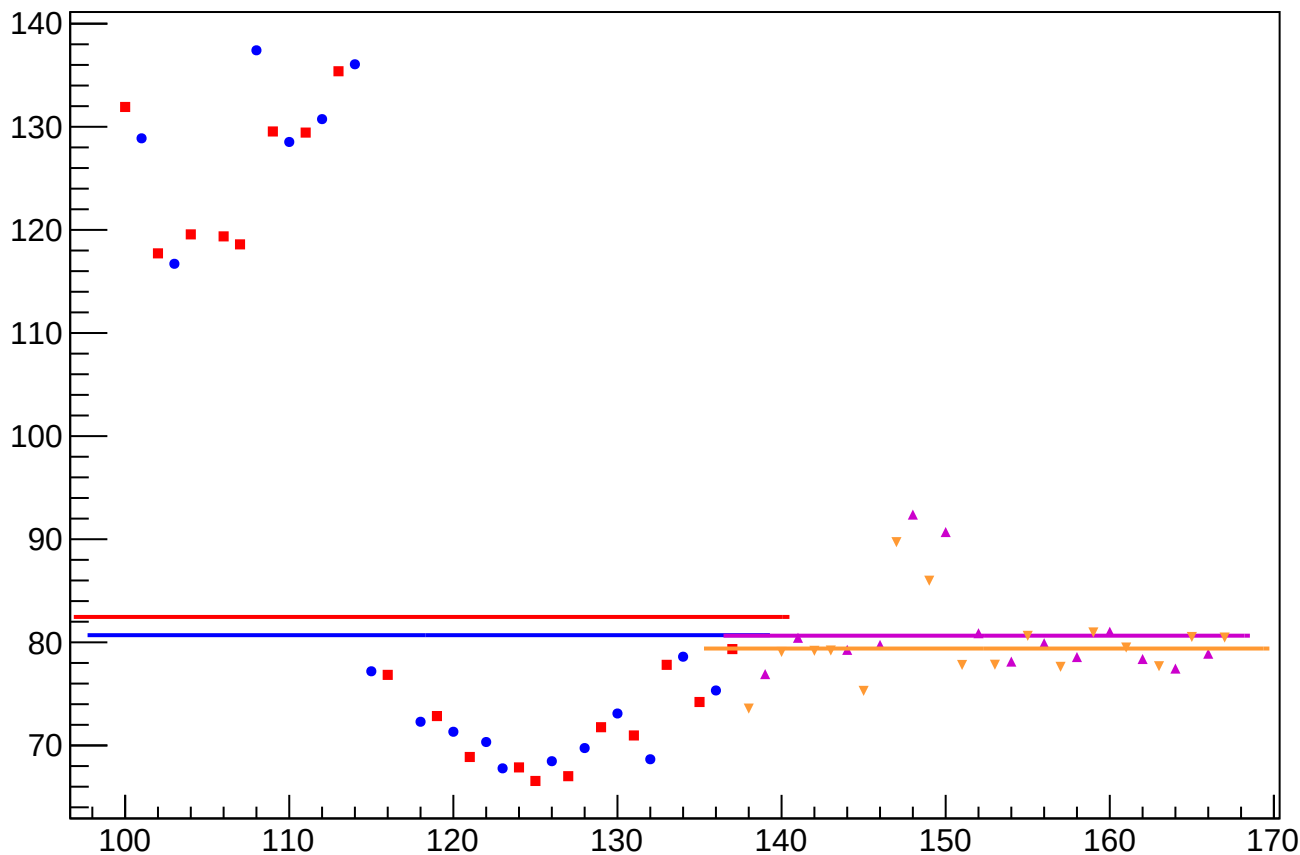
Right: 25.415 $\pm$ 22.740 χ^2 /NDF: 39.7/35

In: -90.516 $\pm$ 19.494 χ^2 /NDF:53.9/30

Out: -93.983 $\pm$ 18.685 χ^2 /NDF:58.5/34

All: -92.323 $\pm$ 13.489 χ^2 /NDF: 112.5/65

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: 80.646 $\pm$ 0.017 χ^2 /NDF:58419.3/13

Left: 79.984 $\pm$ 0.012 χ^2 /NDF: 109455.2/29

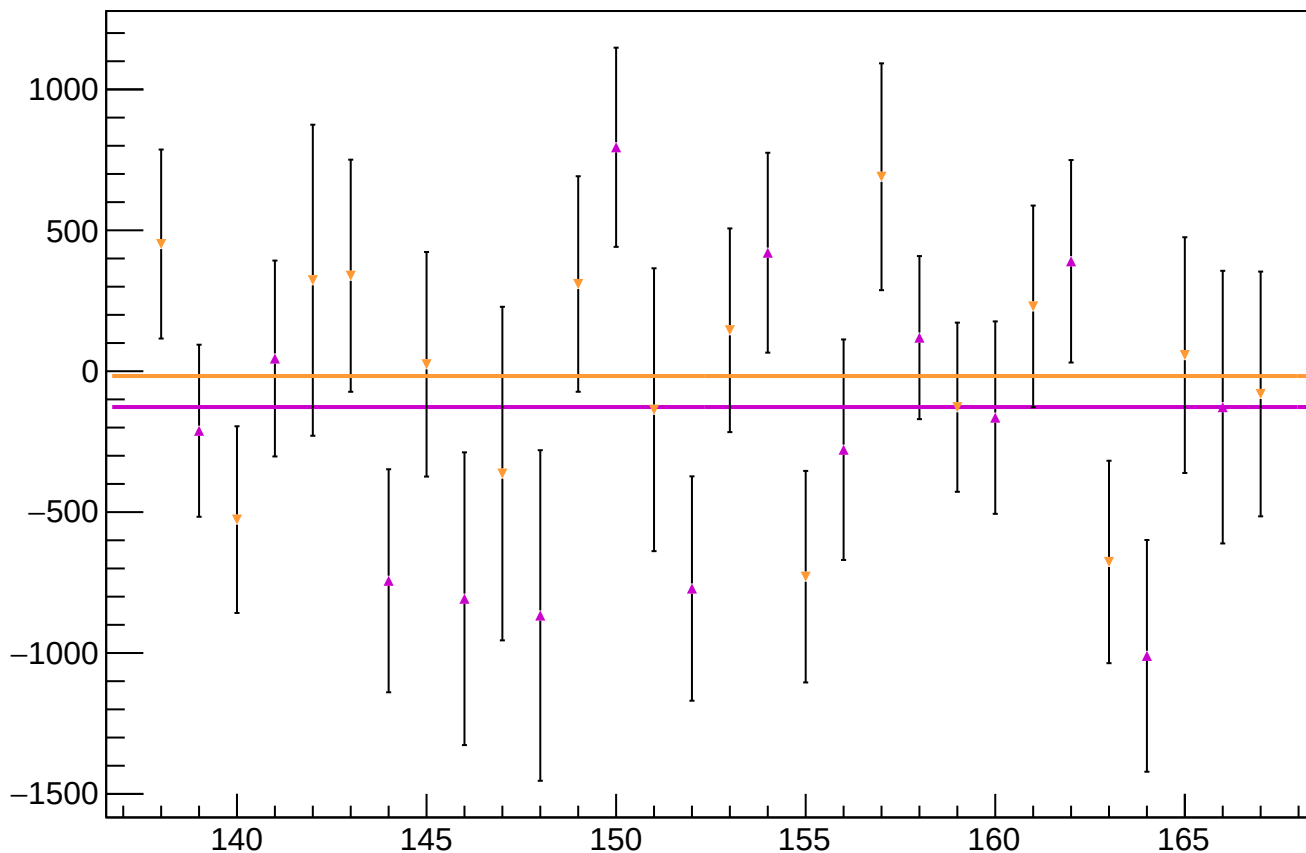
Right: 81.584 $\pm$ 0.016 χ^2 /NDF: 1731931.3/35

In: 80.663 $\pm$ 0.014 χ^2 /NDF:872448.5/30

Out: 80.440 $\pm$ 0.013 χ^2 /NDF:975220.7/34

All: 80.547 $\pm$ 0.010 χ^2 /NDF: 1847806.5/65

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: -127.102 $\pm$ 100.372 χ^2 /NDF:25.4/13

Left: -70.373 $\pm$ 69.843 χ^2 /NDF: 43.6/29

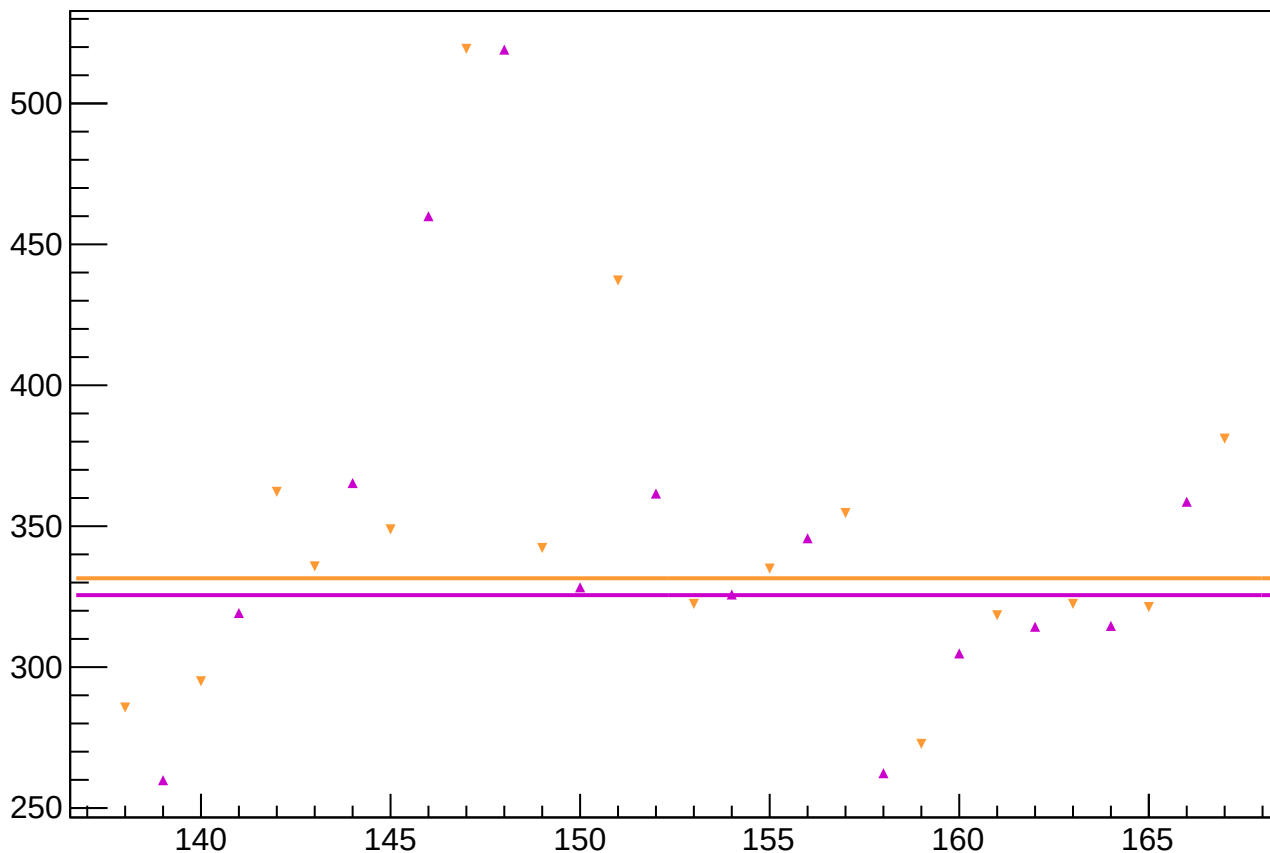
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -127.102 $\pm$ 100.372 χ^2 /NDF:25.4/13

Out: -17.122 $\pm$ 97.247 χ^2 /NDF:17.5/15

All: -70.373 $\pm$ 69.843 χ^2 /NDF: 43.6/29

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: 325.536+/-0.071 χ^2 /NDF:602432.5/13

Left: 328.625+/-0.049 χ^2 /NDF: 1085588.4/29

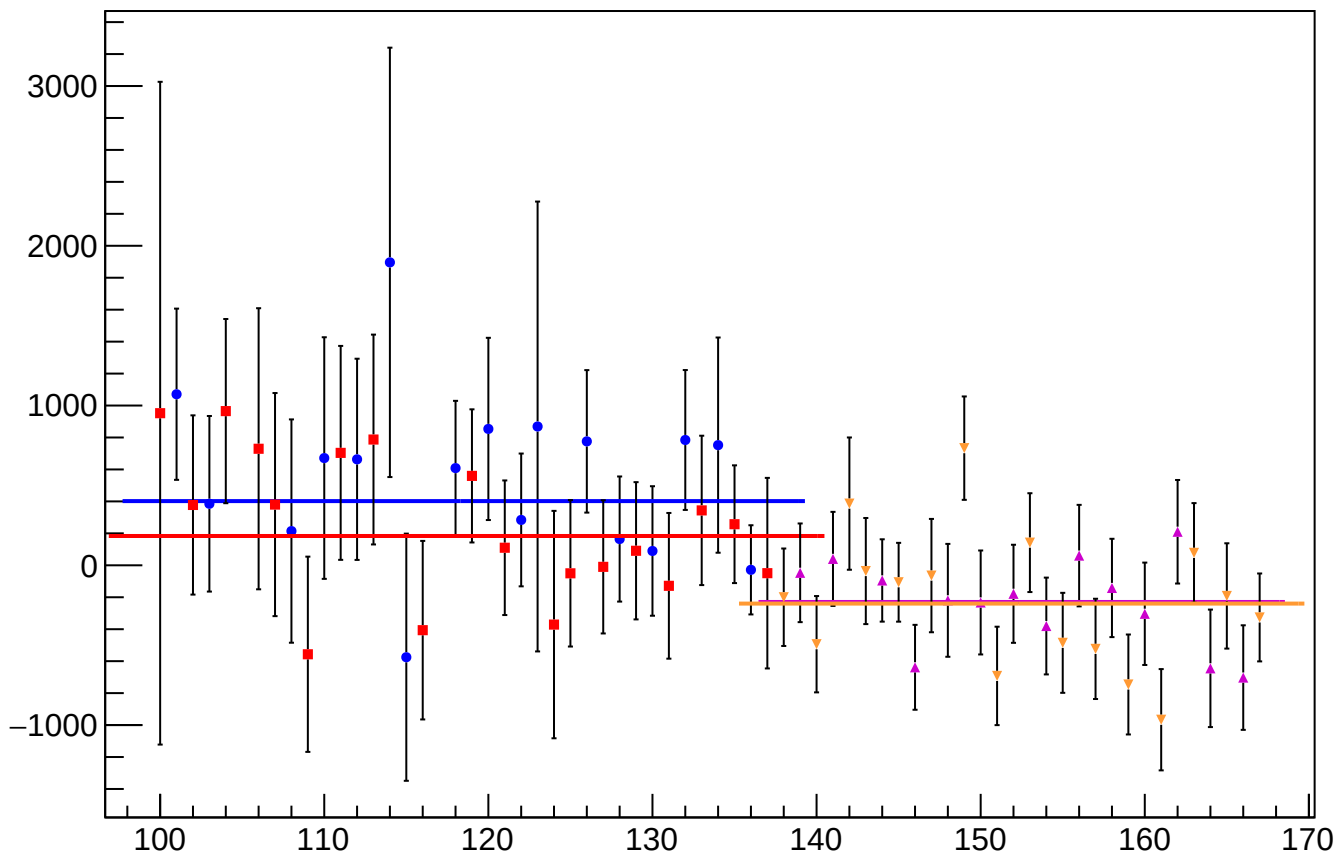
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 325.536+/-0.071 χ^2 /NDF:602432.5/13

Out: 331.524+/-0.069 χ^2 /NDF:479483.6/15

All: 328.625+/-0.049 χ^2 /NDF: 1085588.4/29

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: -229.554 $\pm$ 82.567 χ^2 /NDF:10.3/13

Left: -234.900 $\pm$ 56.656 χ^2 /NDF: 37.4/29

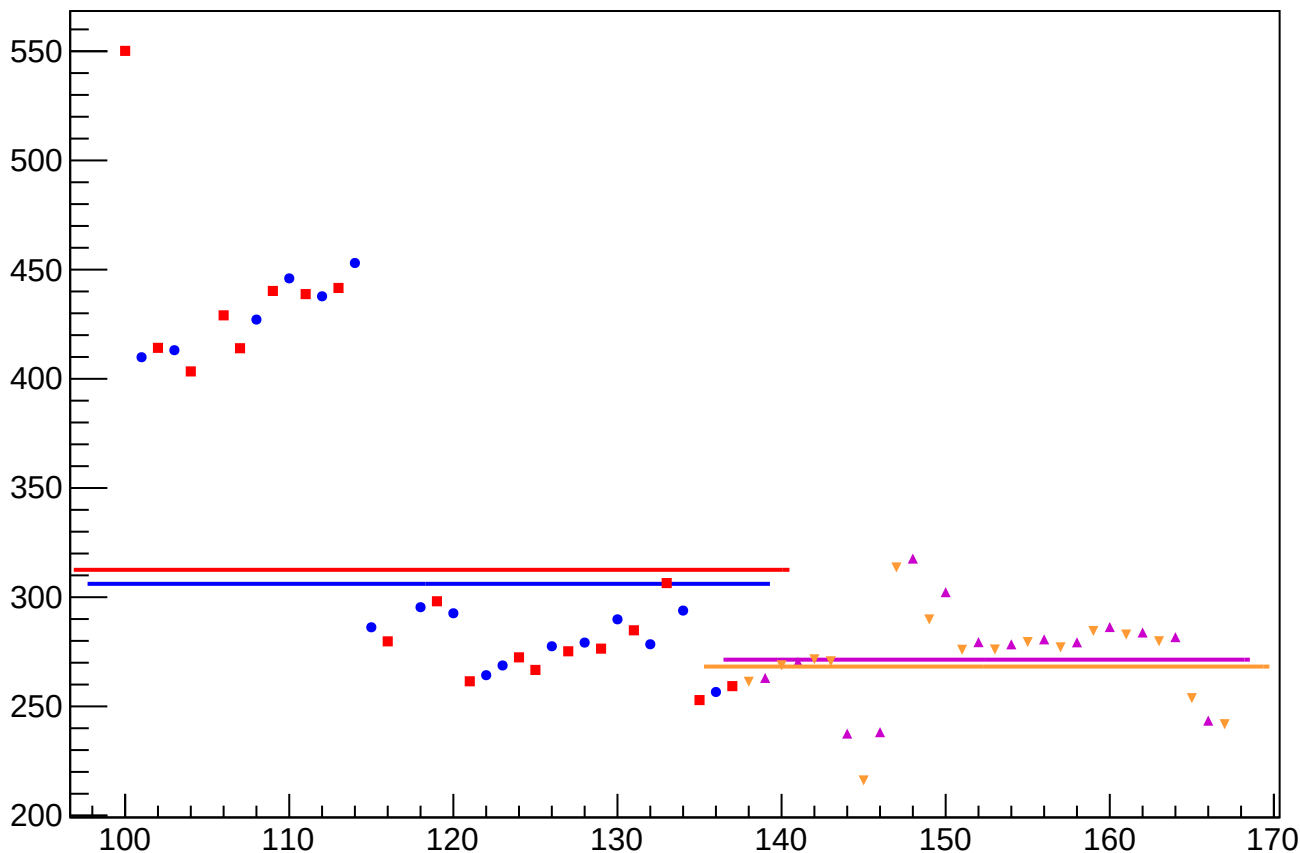
Right: 292.034 $\pm$ 85.342 χ^2 /NDF: 21.9/35

In: -29.058 $\pm$ 68.210 χ^2 /NDF:39.7/30

Out: -114.734 $\pm$ 65.386 χ^2 /NDF:45.2/34

All: -73.706 $\pm$ 47.202 χ^2 /NDF: 85.7/65

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: 271.400+/-0.058 χ^2/NDF : 148509.2/13

Left: 269.725+/-0.040 χ^2/NDF : 323686.5/29

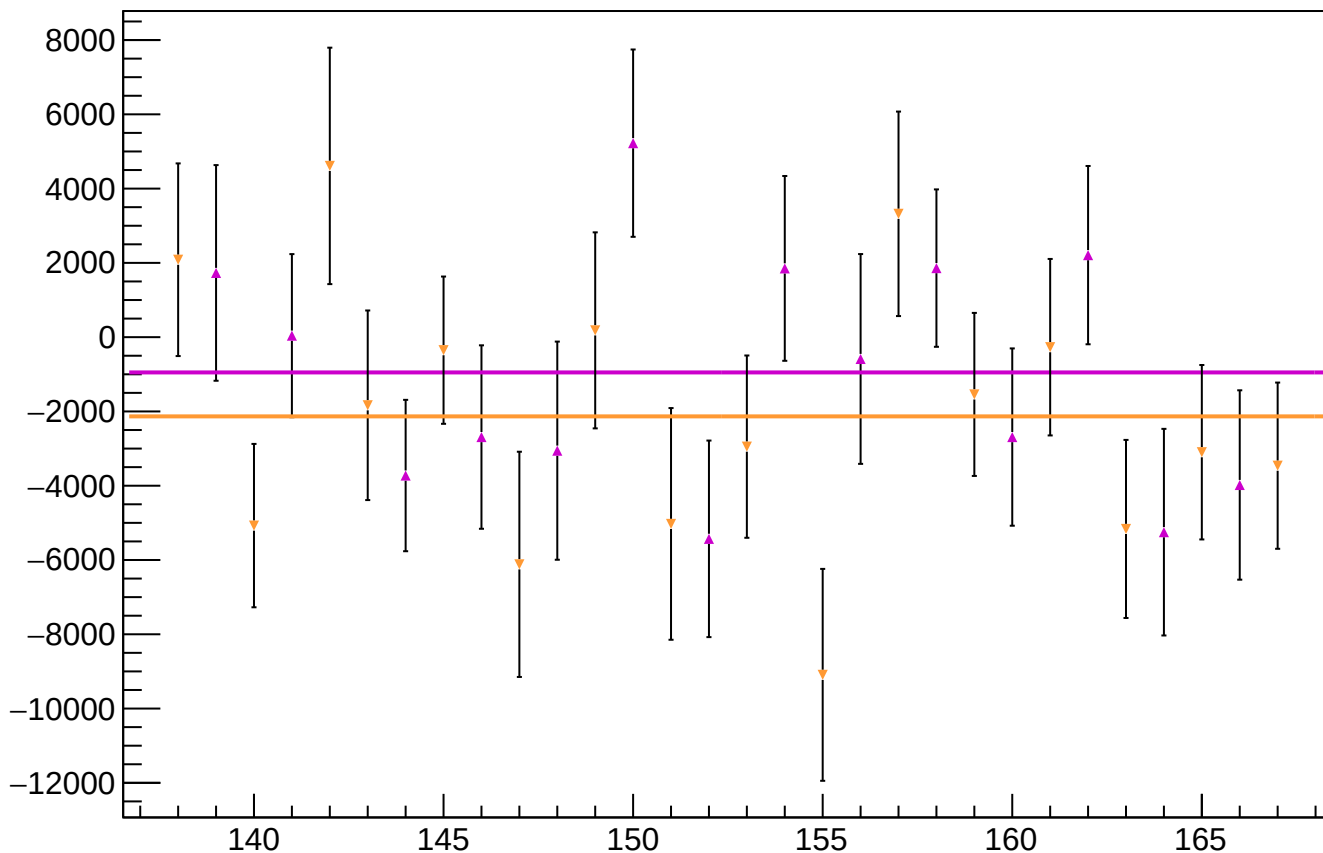
Right: 309.352+/-0.060 χ^2/NDF : 1137034.2/35

In: 282.426+/-0.048 χ^2/NDF : 769264.3/30

Out: 281.315+/-0.046 χ^2/NDF : 990484.3/34

All: 281.847+/-0.033 χ^2/NDF : 1760024.7/65

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: -949.592+/-661.047 χ^2/NDF :21.9/13

Left: -1576.454+/-453.334 χ^2/NDF : 49.5/29

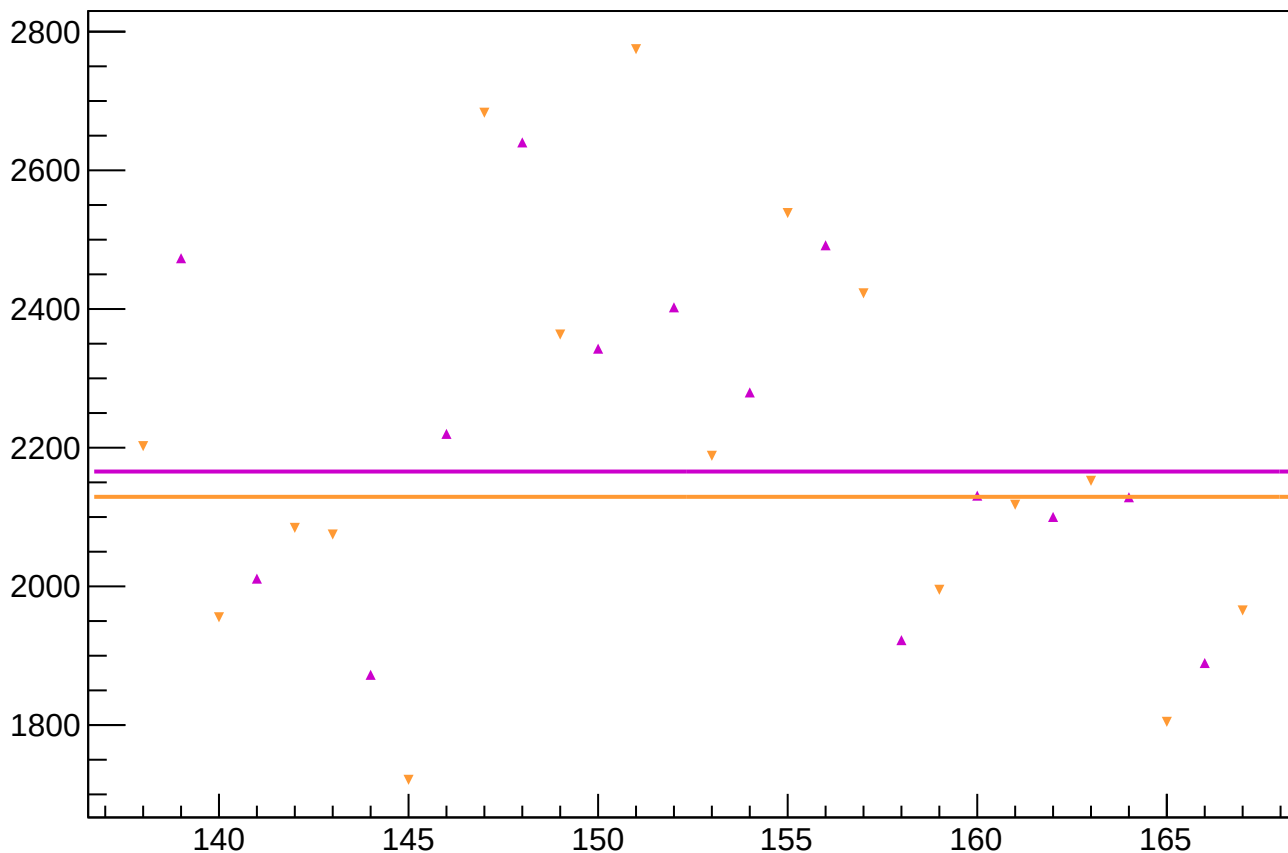
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -949.592+/-661.047 χ^2/NDF :21.9/13

Out: -2133.012+/-622.876 χ^2/NDF :25.9/15

All: -1576.454+/-453.334 χ^2/NDF : 49.5/29

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: 2165.617+/-0.467 χ^2/NDF :235790.9/13

Left: 2146.295+/-0.321 χ^2/NDF : 628900.3/29

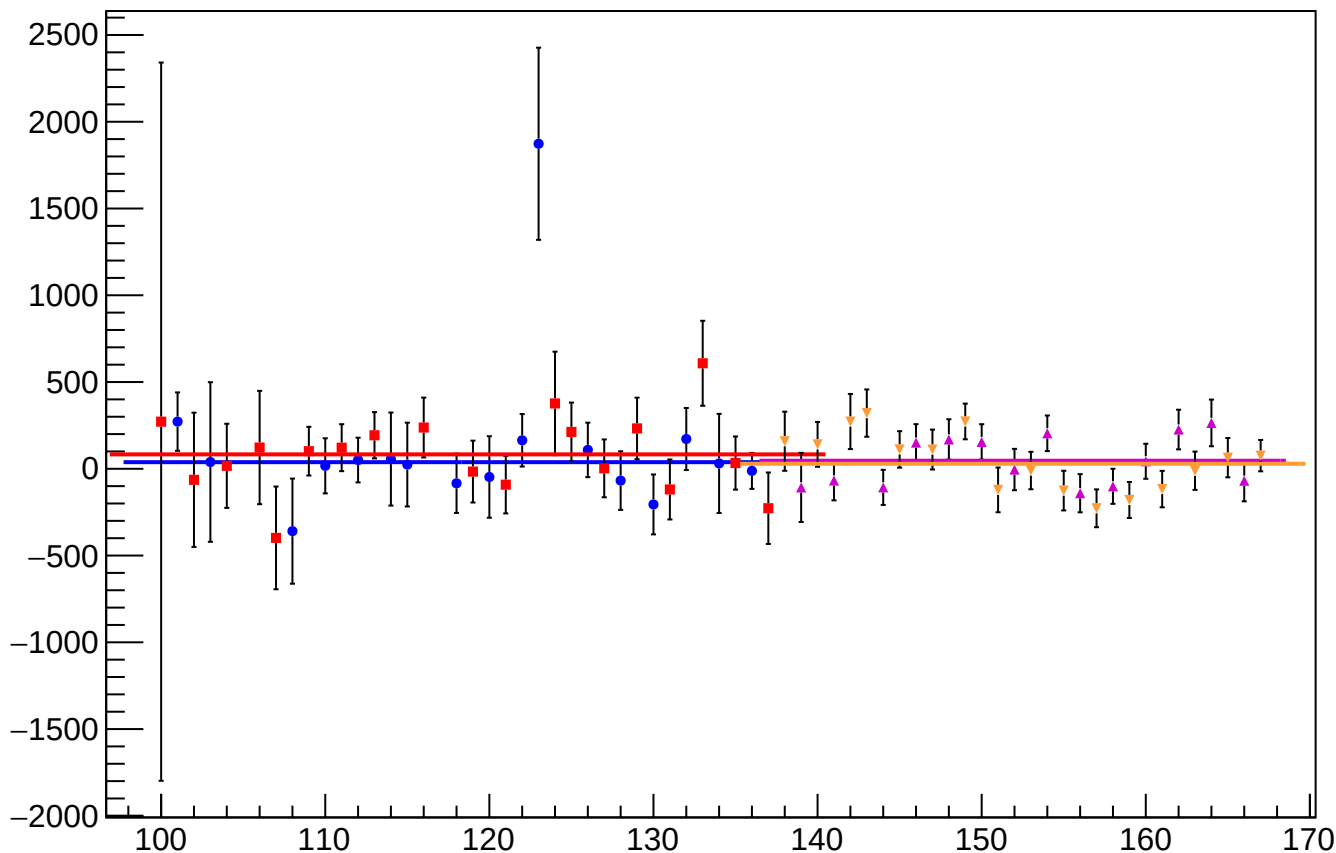
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2165.617+/-0.467 χ^2/NDF :235790.9/13

Out: 2129.141+/-0.440 χ^2/NDF :389883.7/15

All: 2146.295+/-0.321 χ^2/NDF : 628900.3/29

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: 46.434+/-30.095 χ^2/NDF :20.7/13

Left: 37.242+/-20.738 χ^2/NDF : 51.2/29

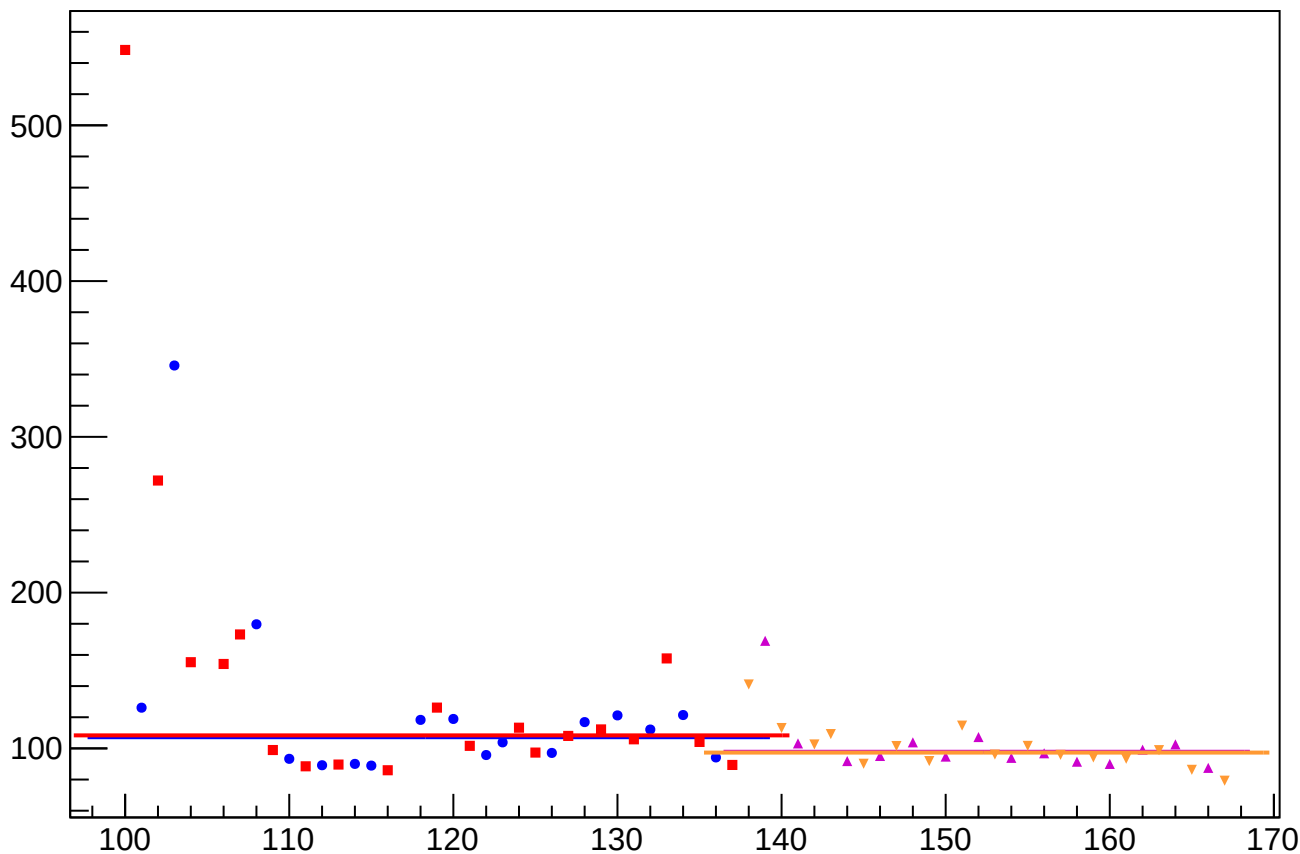
Right: 60.847+/-30.633 χ^2/NDF : 36.7/35

In: 43.749+/-24.758 χ^2/NDF :40.1/30

Out: 45.506+/-23.840 χ^2/NDF :48.2/34

All: 44.661+/-17.173 χ^2/NDF : 88.3/65

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 ± 0.031 $\chi^2/\text{NDF}: 843115.1/16$

Left Out: 97.310 ± 0.020 $\chi^2/\text{NDF}: 339916.8/15$

Right Out: 108.359 ± 0.030 $\chi^2/\text{NDF}: 917287.7/18$

Left In: 97.830 ± 0.021 $\chi^2/\text{NDF}: 328864.3/13$

Left: 97.557 ± 0.015 $\chi^2/\text{NDF}: 669094.8/29$

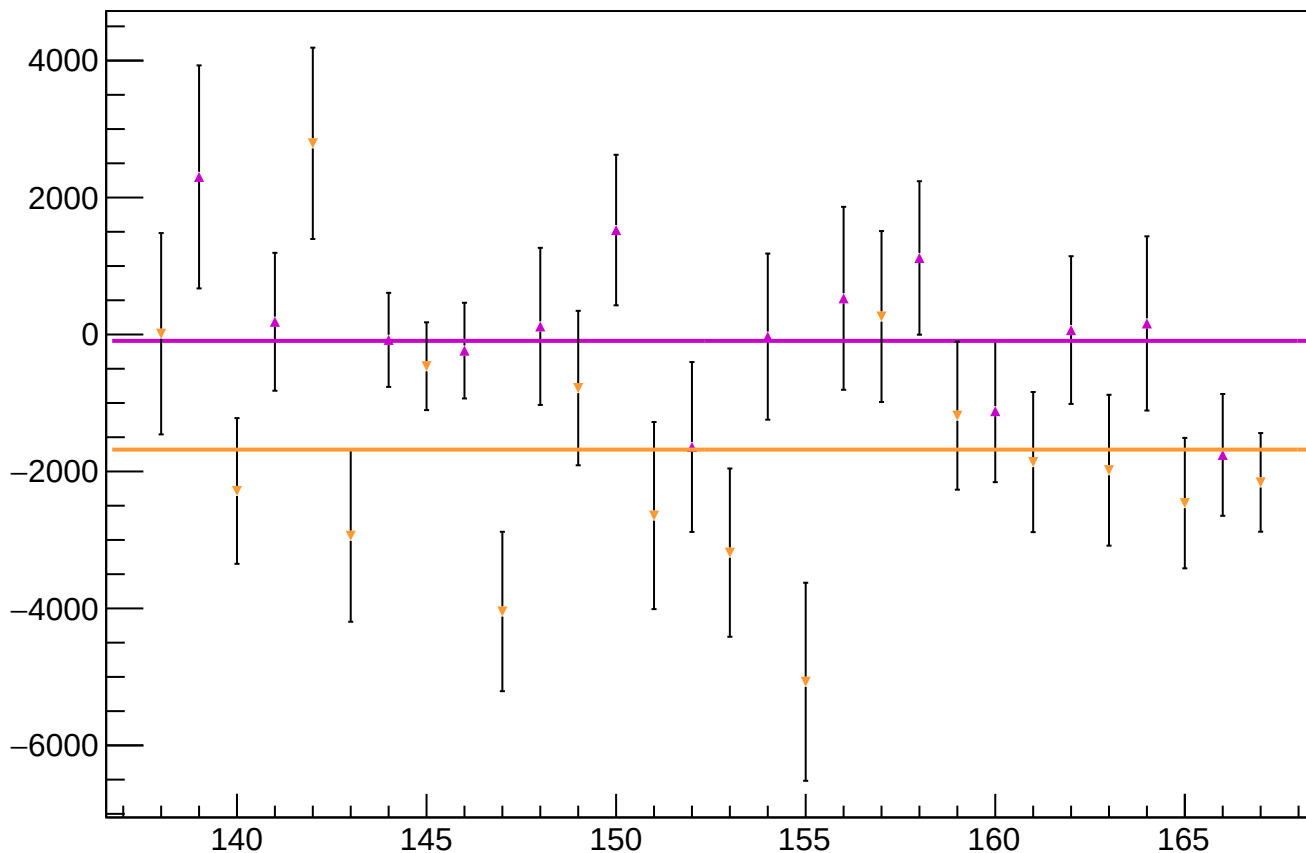
Right: 107.780 ± 0.022 $\chi^2/\text{NDF}: 1761132.0/35$

In: 100.855 ± 0.018 $\chi^2/\text{NDF}: 1234498.0/30$

Out: 100.691 ± 0.017 $\chi^2/\text{NDF}: 1348436.4/34$

All: 100.770 ± 0.012 $\chi^2/\text{NDF}: 2582980.2/65$

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: -92.988+/-272.408 χ^2/NDF :12.0/13

Left: -914.085+/-189.290 χ^2/NDF : 62.2/29

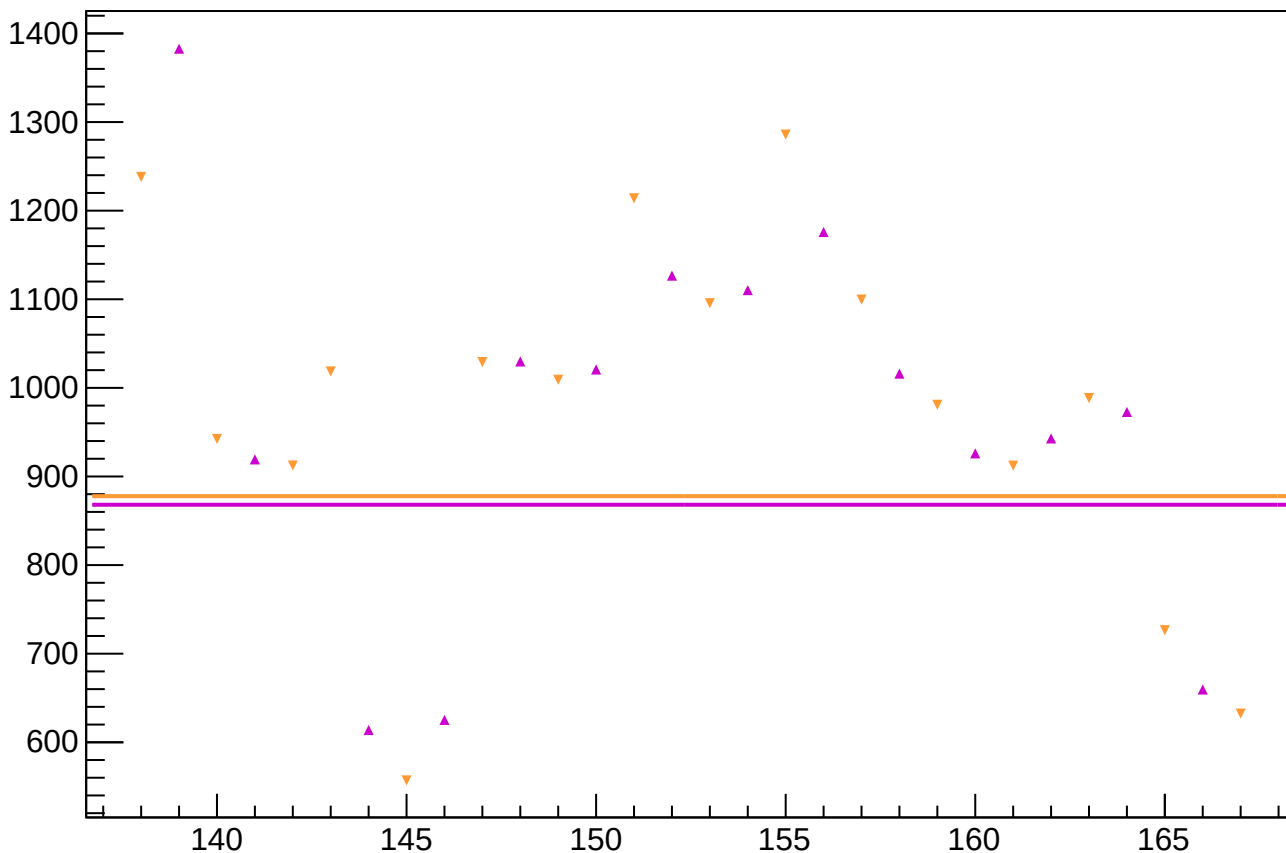
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -92.988+/-272.408 χ^2/NDF :12.0/13

Out: -1680.726+/-263.220 χ^2/NDF :32.6/15

All: -914.085+/-189.290 χ^2/NDF : 62.2/29

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: 868.088+/-0.193 χ^2/NDF :1245983.1/13

Left: 873.097+/-0.134 χ^2/NDF : 2692398.0/29

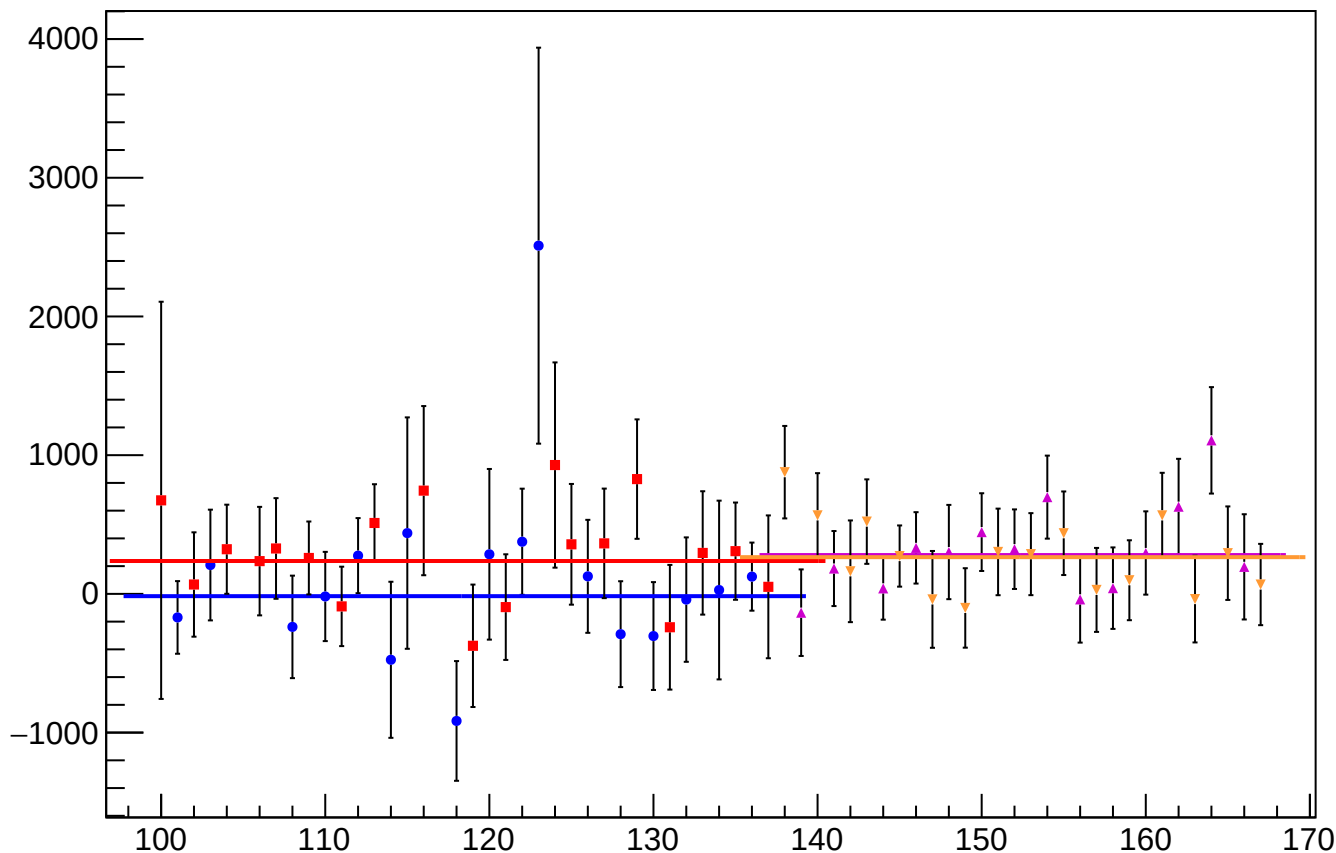
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 868.088+/-0.193 χ^2/NDF :1245983.1/13

Out: 877.774+/-0.186 χ^2/NDF :1445107.2/15

All: 873.097+/-0.134 χ^2/NDF : 2692398.0/29

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459+/-93.285 χ^2/NDF : 13.4/16

Left Out: 264.706+/-75.386 χ^2/NDF : 11.2/15

Right Out: 236.984+/-88.937 χ^2/NDF : 10.3/18

Left In: 279.837+/-79.418 χ^2/NDF : 12.8/13

Left: 271.878+/-54.676 χ^2/NDF : 24.0/29

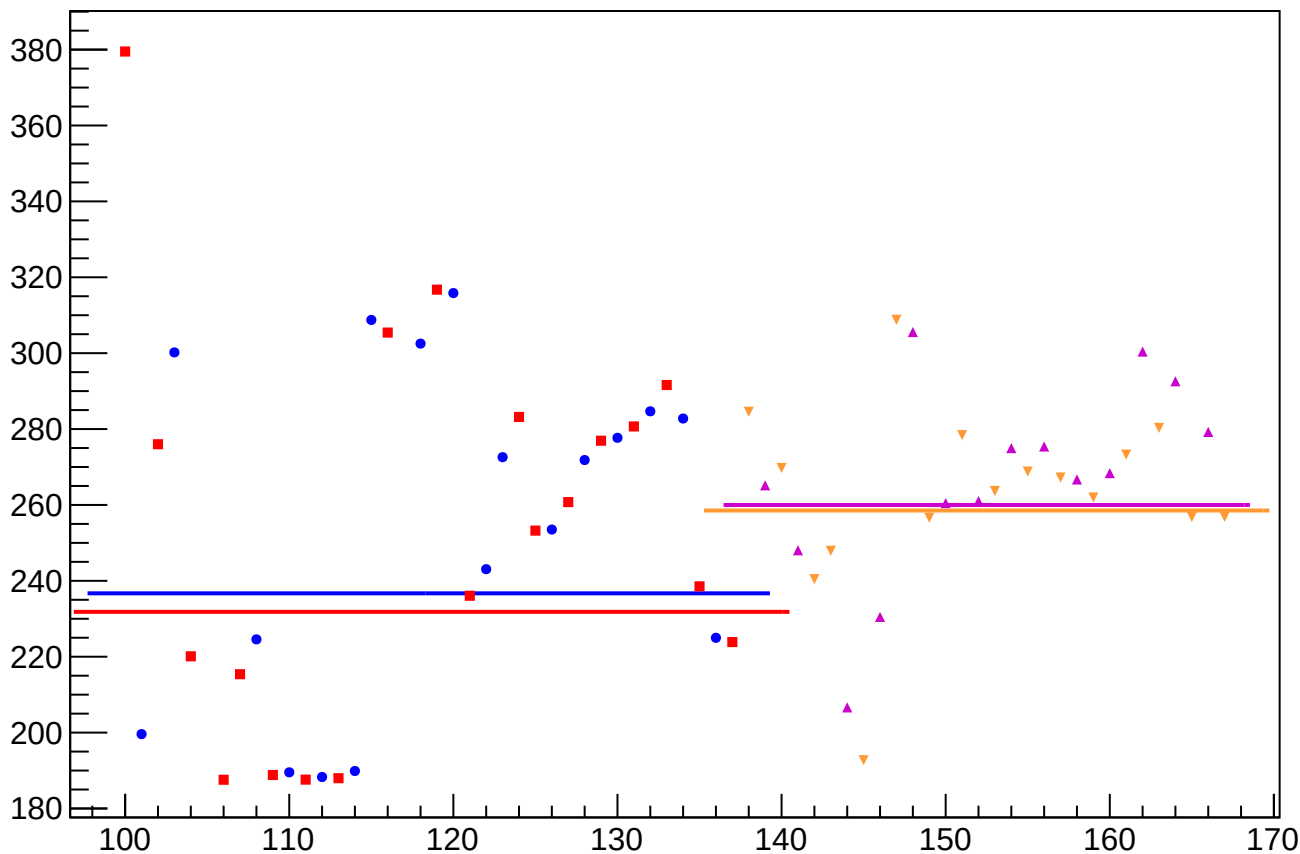
Right: 116.305+/-64.370 χ^2/NDF : 27.6/35

In: 155.325+/-60.472 χ^2/NDF : 32.1/30

Out: 253.115+/-57.507 χ^2/NDF : 21.6/34

All: 206.676+/-41.672 χ^2/NDF : 55.1/65

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: 259.995 $\pm$ 0.056 χ^2 /NDF: 238249.6/13

Left: 259.227 $\pm$ 0.039 χ^2 /NDF: 507754.2/29

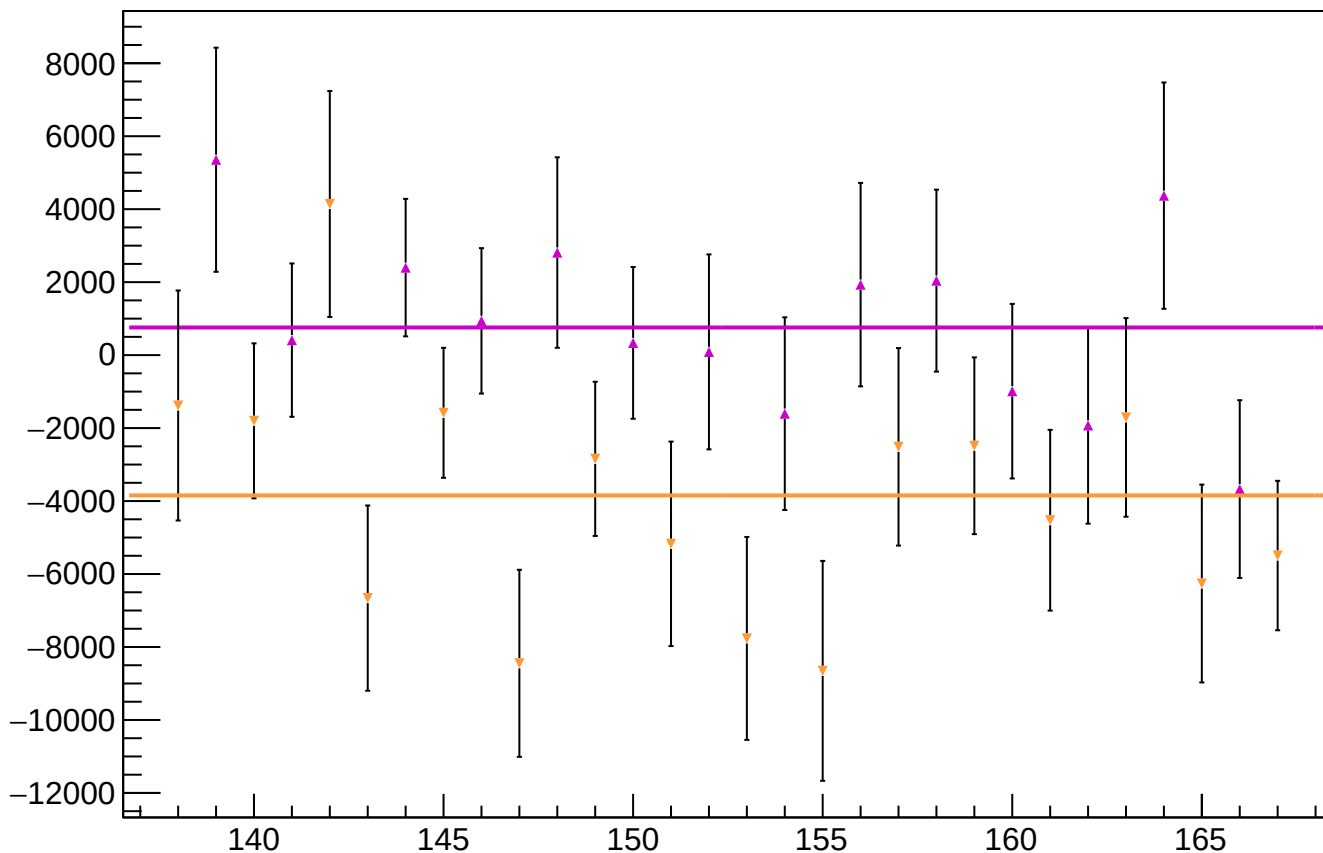
Right: 234.151 $\pm$ 0.046 χ^2 /NDF: 836486.0/35

In: 250.208 $\pm$ 0.043 χ^2 /NDF: 700863.2/30

Out: 247.370 $\pm$ 0.041 χ^2 /NDF: 817375.6/34

All: 248.718 $\pm$ 0.029 χ^2 /NDF: 1520553.1/65

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: 757.255+/-645.220 χ^2/NDF :11.2/13

Left: -1643.761+/-446.271 χ^2/NDF : 59.7/29

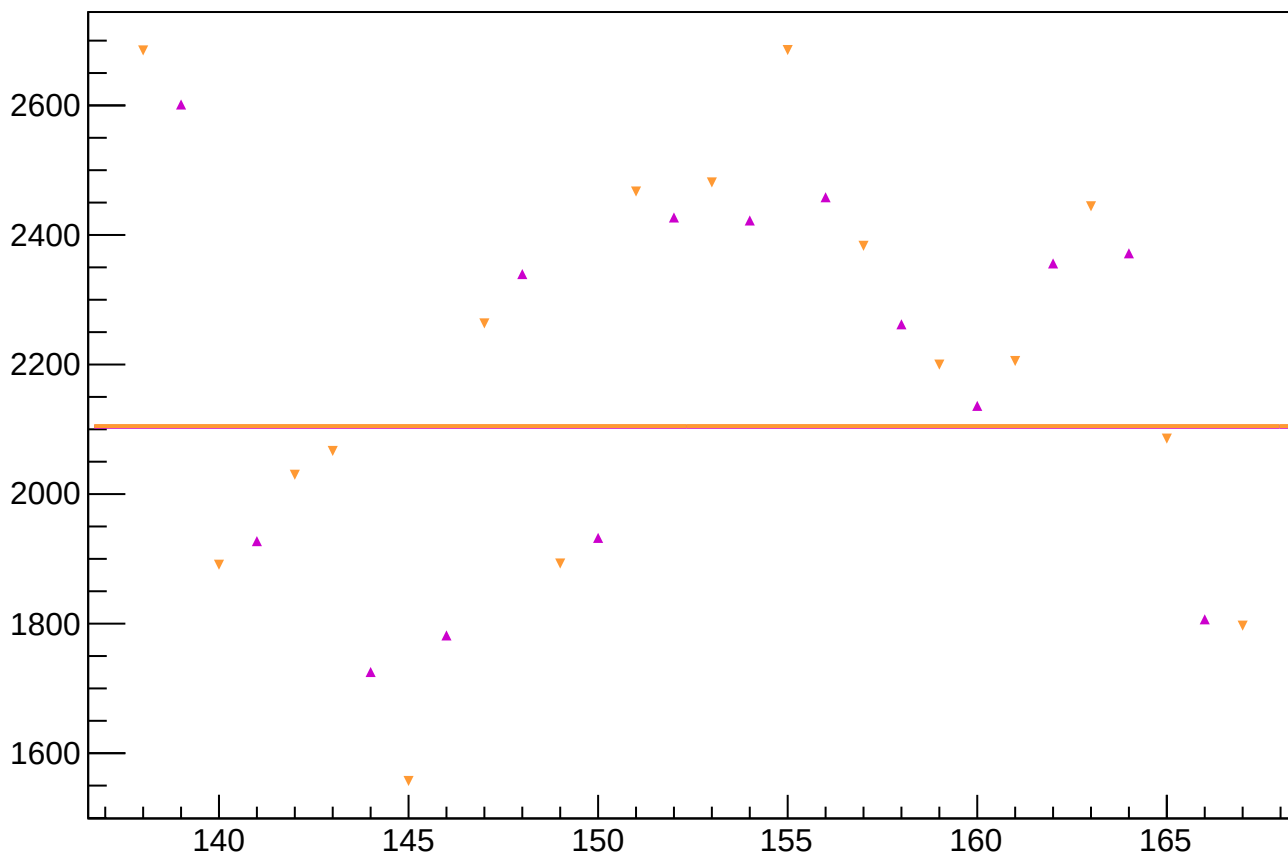
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 757.255+/-645.220 χ^2/NDF :11.2/13

Out: -3845.824+/-617.910 χ^2/NDF :21.9/15

All: -1643.761+/-446.271 χ^2/NDF : 59.7/29

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: 2103.925+/-0.456 χ^2/NDF :390799.8/13

Left: 2104.471+/-0.316 χ^2/NDF : 945494.0/29

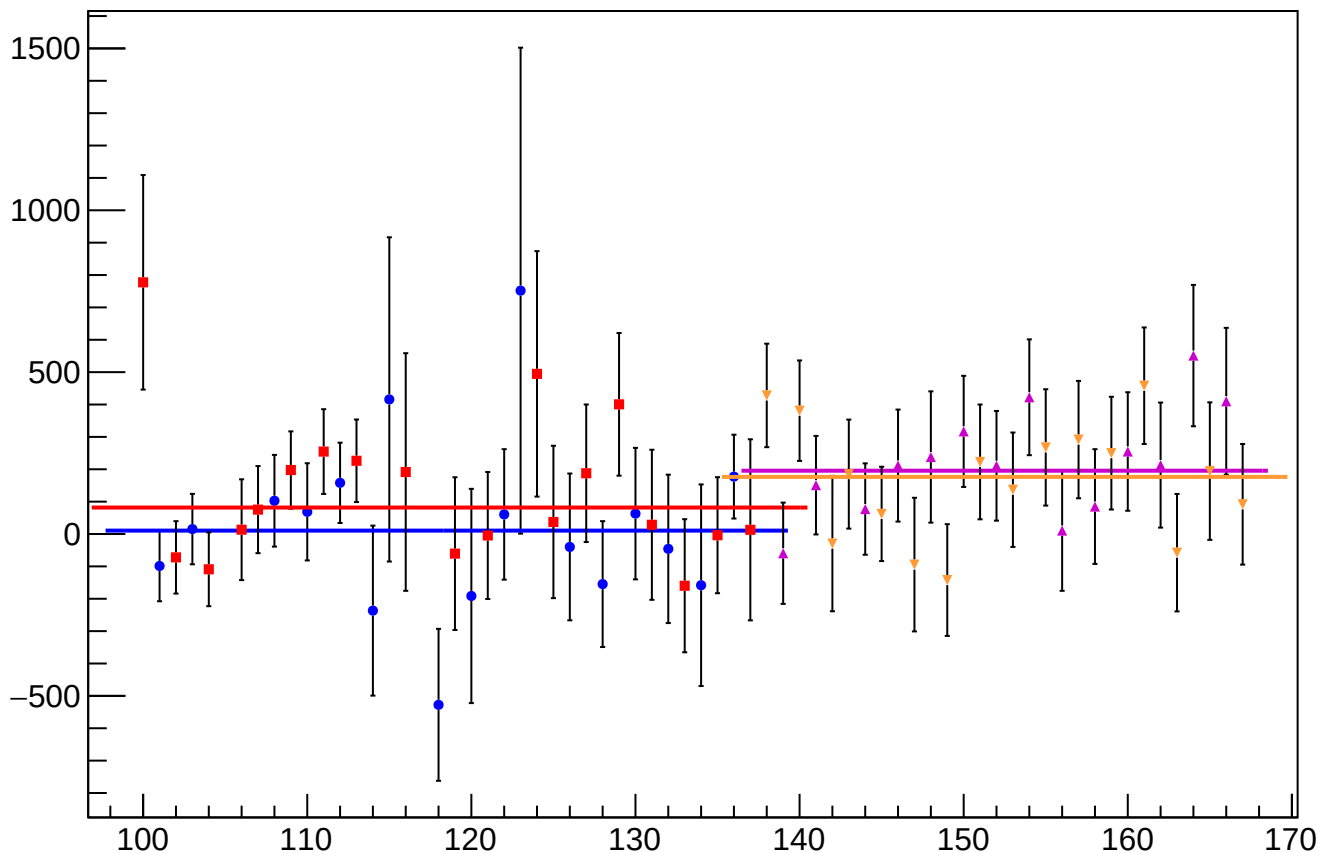
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2103.925+/-0.456 χ^2/NDF :390799.8/13

Out: 2104.972+/-0.437 χ^2/NDF :554691.4/15

All: 2104.471+/-0.316 χ^2/NDF : 945494.0/29

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 176.417+/-44.134 χ^2/NDF :16.2/15

Right Out: 81.802+/-38.985 χ^2/NDF : 19.2/18

Left In: 195.573+/-47.151 χ^2/NDF :10.7/13

Left: 185.363+/-32.221 χ^2/NDF : 27.0/29

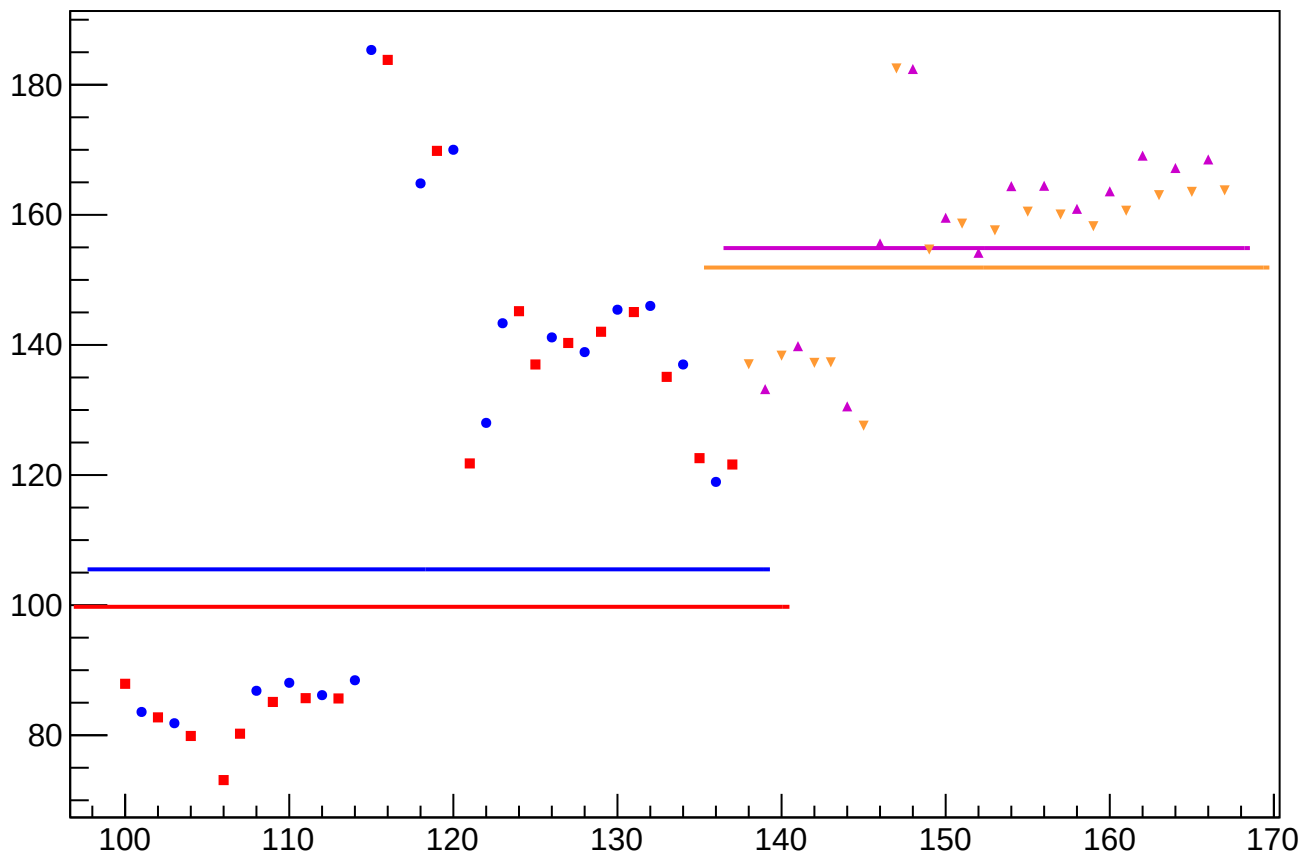
Right: 49.063+/-28.665 χ^2/NDF : 34.8/35

In: 93.034+/-31.484 χ^2/NDF :33.2/30

Out: 123.270+/-29.218 χ^2/NDF :38.0/34

All: 109.279+/-21.417 χ^2/NDF : 71.7/65

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: 154.892 $\pm$ 0.033 χ^2 /NDF:198179.2/13

Left: 153.298 $\pm$ 0.023 χ^2 /NDF: 402635.6/29

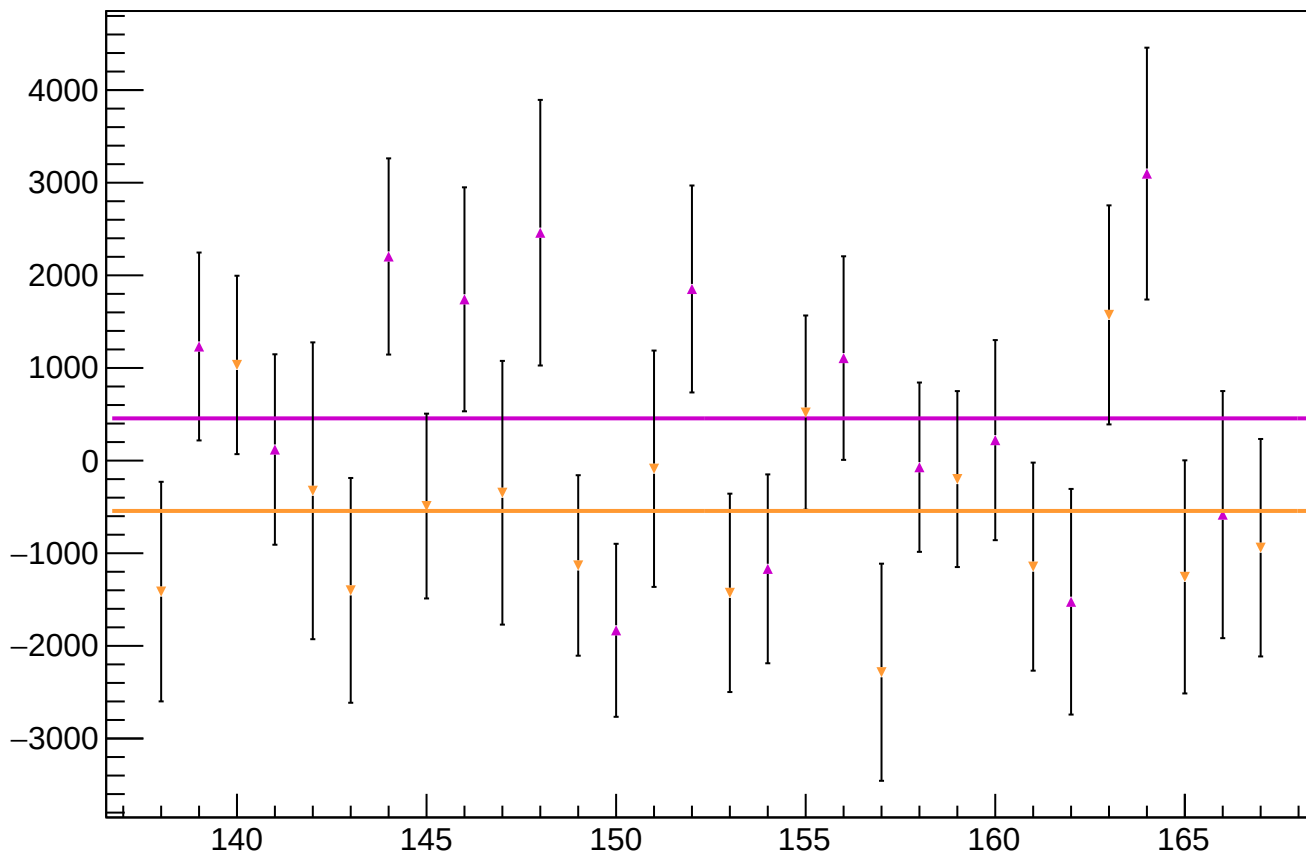
Right: 102.389 $\pm$ 0.020 χ^2 /NDF: 1889165.6/35

In: 127.523 $\pm$ 0.022 χ^2 /NDF:2283205.0/30

Out: 122.604 $\pm$ 0.021 χ^2 /NDF:2769297.2/34

All: 124.880 $\pm$ 0.015 χ^2 /NDF: 5078737.7/65

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: 455.920+/-294.233 χ^2/NDF :24.4/13

Left: -63.674+/-203.866 χ^2/NDF : 42.6/29

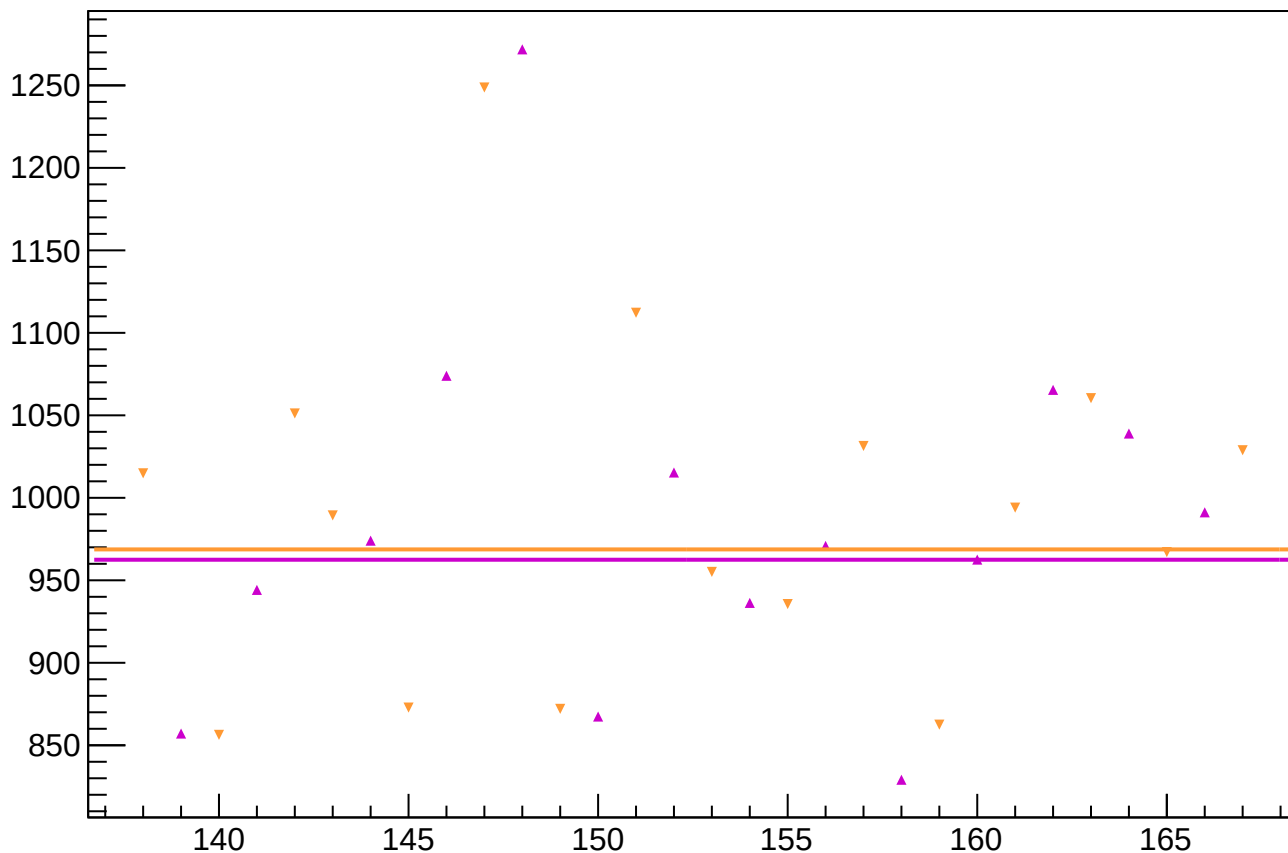
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 455.920+/-294.233 χ^2/NDF :24.4/13

Out: -543.438+/-282.731 χ^2/NDF :12.2/15

All: -63.674+/-203.866 χ^2/NDF : 42.6/29

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: 962.470+/-0.208 χ^2/NDF :223364.1/13

Left: 965.724+/-0.144 χ^2/NDF : 452172.4/29

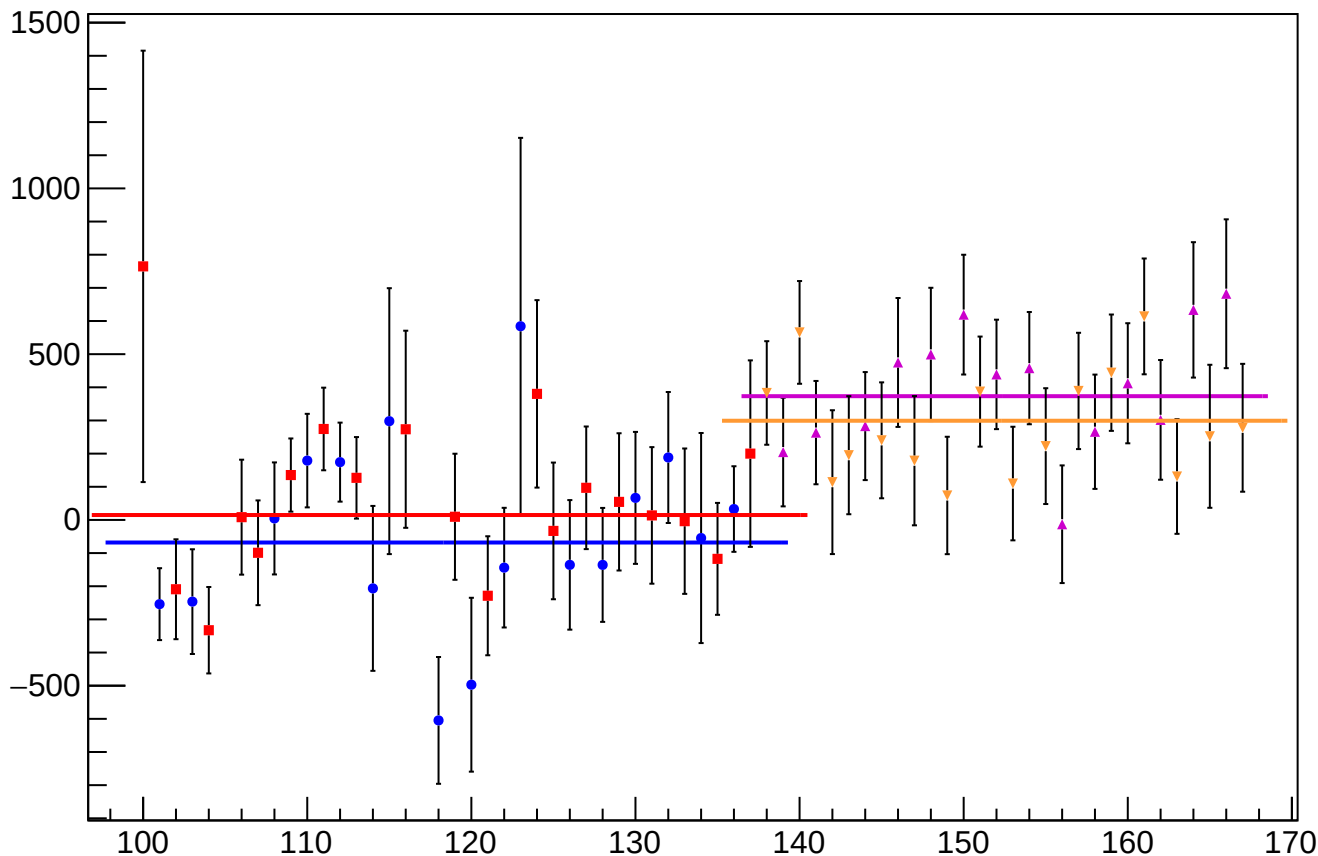
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 962.470+/-0.208 χ^2/NDF :223364.1/13

Out: 968.728+/-0.200 χ^2/NDF :228337.9/15

All: 965.724+/-0.144 χ^2/NDF : 452172.4/29

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 299.178 ± 44.322 $\chi^2/\text{NDF}: 13.3/15$

Right Out: 14.800 ± 39.467 $\chi^2/\text{NDF}: 23.1/18$

Left In: 373.264 ± 47.675 $\chi^2/\text{NDF}: 13.6/13$

Left: 333.525 ± 32.461 $\chi^2/\text{NDF}: 28.3/29$

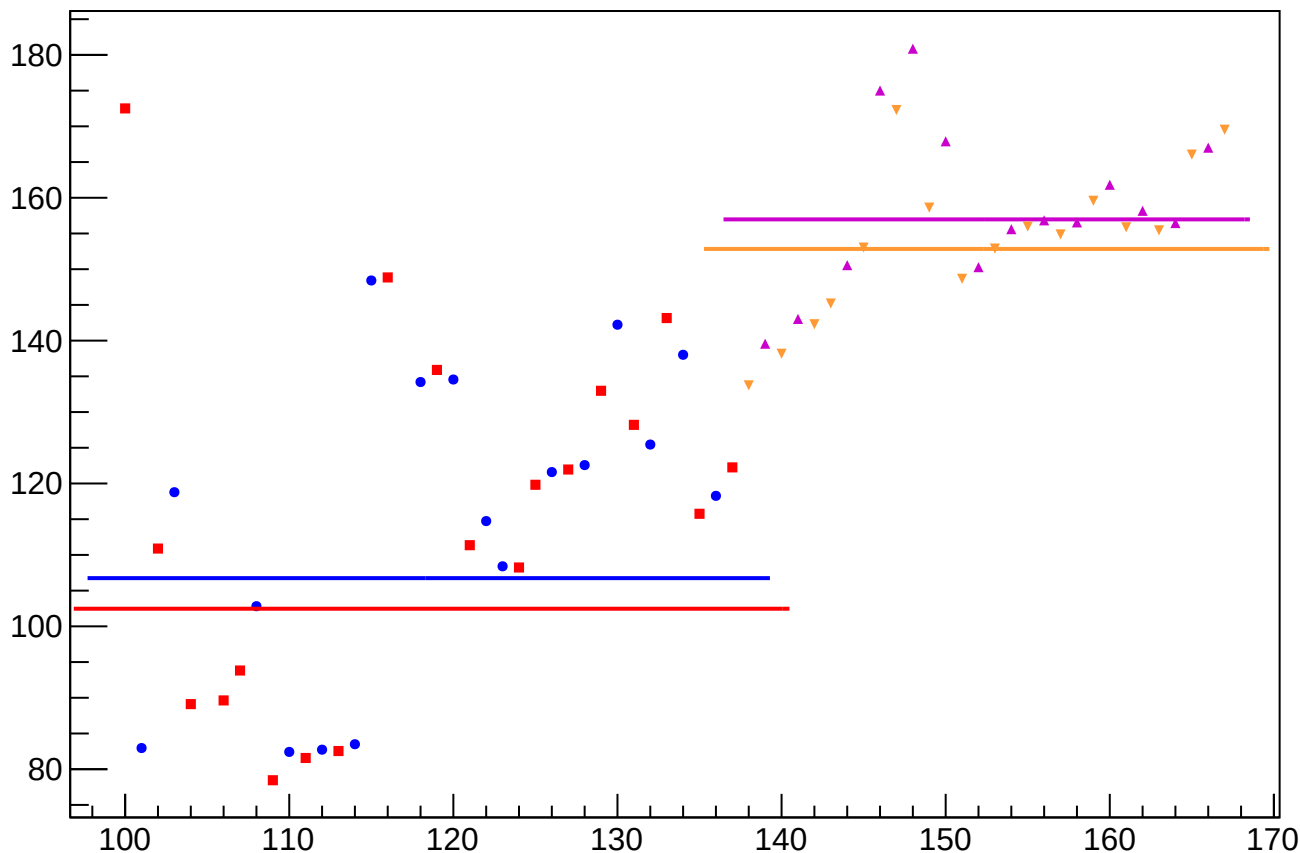
Right: -23.820 ± 28.846 $\chi^2/\text{NDF}: 53.0/35$

In: 126.124 ± 31.627 $\chi^2/\text{NDF}: 89.5/30$

Out: 140.564 ± 29.475 $\chi^2/\text{NDF}: 59.4/34$

All: 133.852 ± 21.562 $\chi^2/\text{NDF}: 149.0/65$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 ± 0.030 $\chi^2/\text{NDF}: 501742.8/16$

Left Out: 152.837 ± 0.031 $\chi^2/\text{NDF}: 106949.7/15$

Right Out: 102.467 ± 0.028 $\chi^2/\text{NDF}: 589344.0/18$

Left In: 156.973 ± 0.034 $\chi^2/\text{NDF}: 103434.8/13$

Left: 154.755 ± 0.023 $\chi^2/\text{NDF}: 218458.3/29$

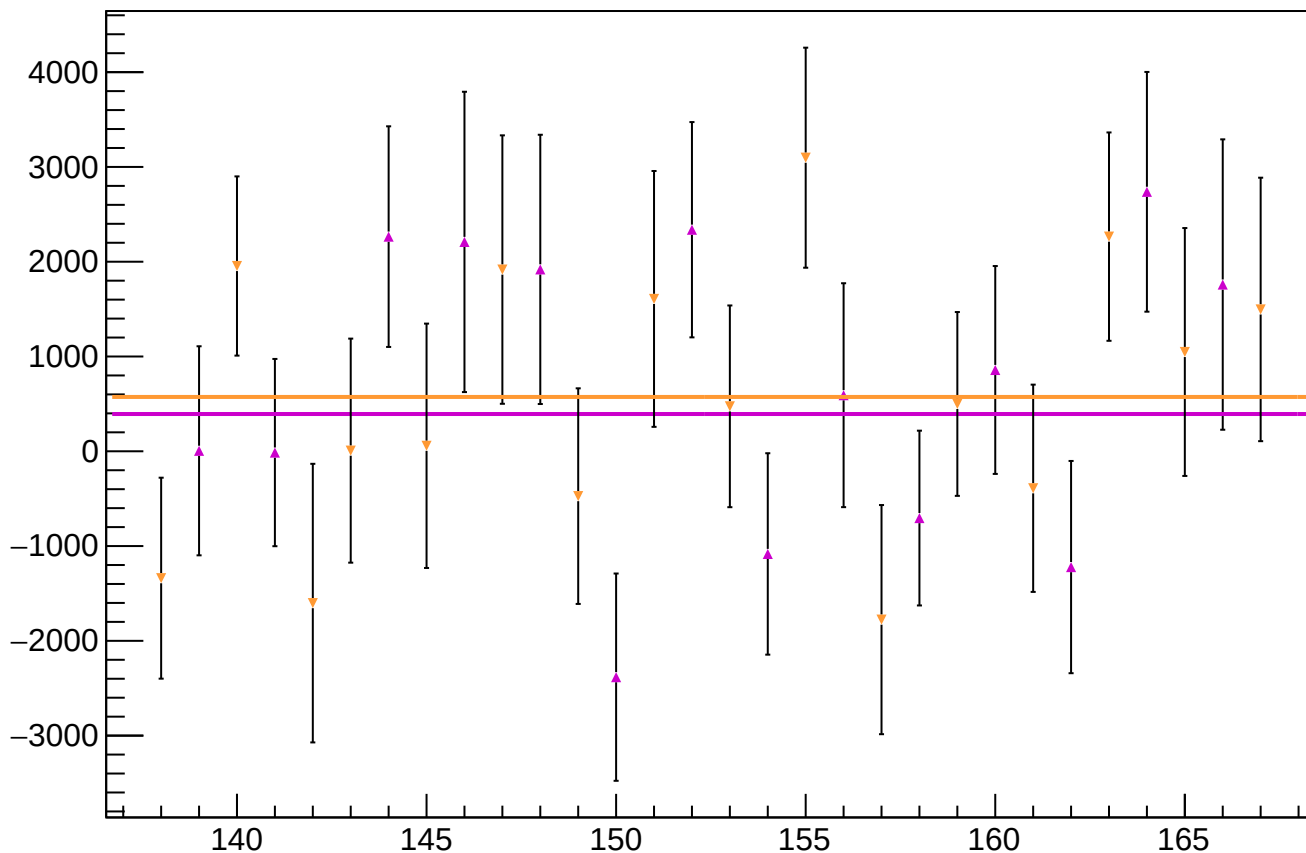
Right: 104.462 ± 0.020 $\chi^2/\text{NDF}: 1102055.3/35$

In: 128.851 ± 0.022 $\chi^2/\text{NDF}: 1847966.8/30$

Out: 124.743 ± 0.021 $\chi^2/\text{NDF}: 2137011.7/34$

All: 126.653 ± 0.015 $\chi^2/\text{NDF}: 4003040.1/65$

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 573.240+/-291.746 χ^2/NDF :22.5/15

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

Left In: 393.148+/-307.879 χ^2/NDF :24.6/13

Left: 488.036+/-211.770 χ^2/NDF : 47.3/29

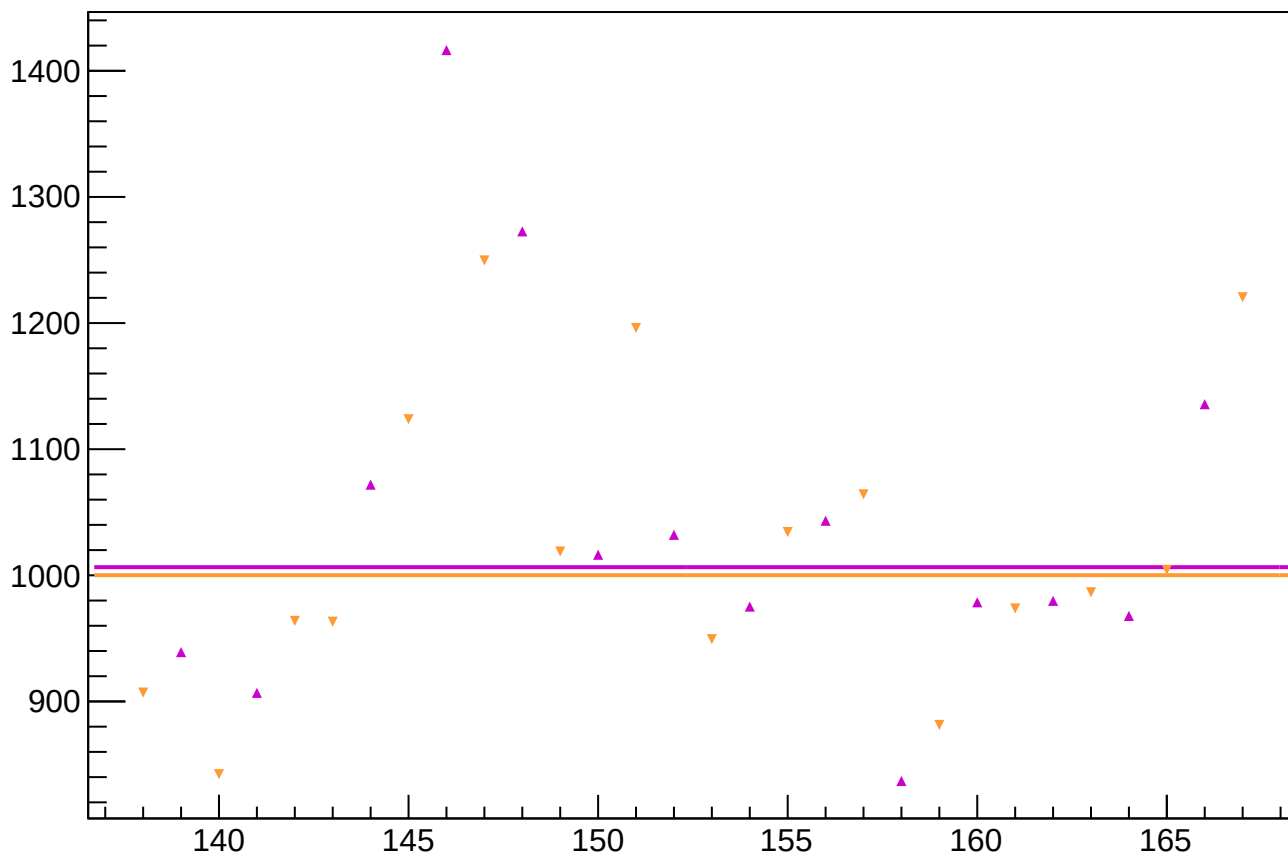
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 393.148+/-307.879 χ^2/NDF :24.6/13

Out: 573.240+/-291.746 χ^2/NDF :22.5/15

All: 488.036+/-211.770 χ^2/NDF : 47.3/29

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: 1006.465+/-0.218 χ^2/NDF :329314.7/13

Left: 1003.110+/-0.150 χ^2/NDF : 620913.0/29

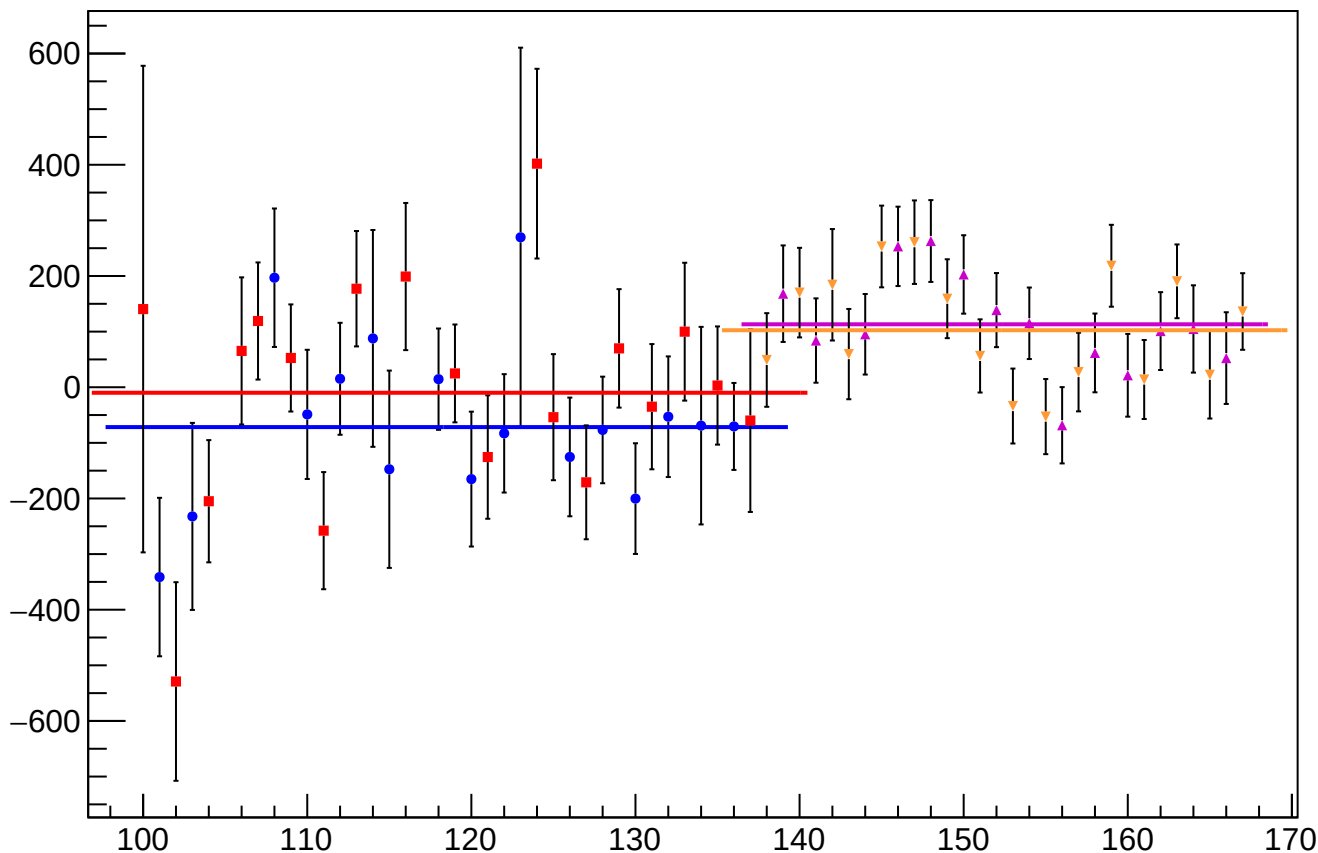
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1006.465+/-0.218 χ^2/NDF :329314.7/13

Out: 1000.098+/-0.206 χ^2/NDF :291147.7/15

All: 1003.110+/-0.150 χ^2/NDF : 620913.0/29

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 102.483 ± 18.376 $\chi^2/\text{NDF}: 29.4/15$

Right Out: -9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

Left In: 113.163 ± 19.414 $\chi^2/\text{NDF}: 20.0/13$

Left: 107.530 ± 13.346 $\chi^2/\text{NDF}: 49.6/29$

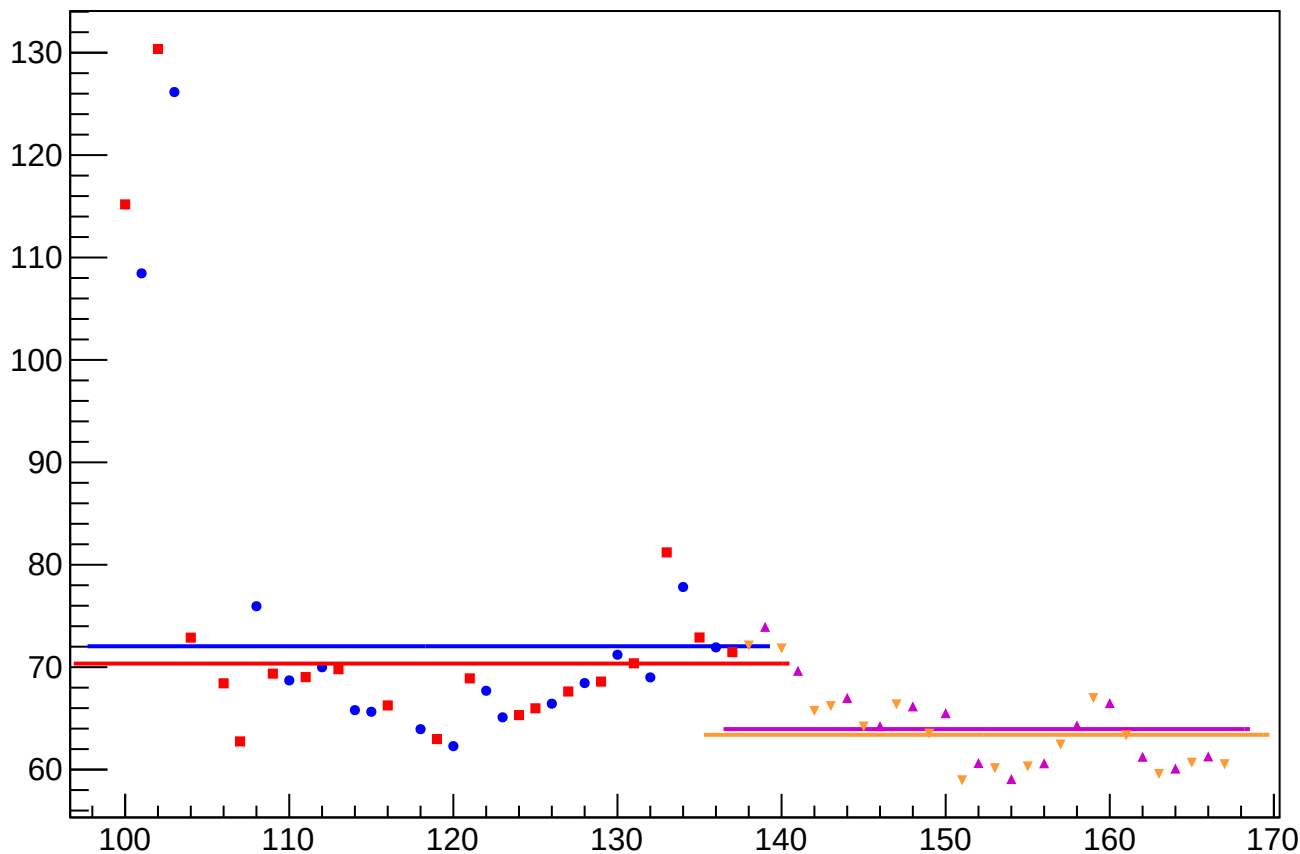
Right: -39.068 ± 19.484 $\chi^2/\text{NDF}: 54.2/35$

In: 54.182 ± 16.019 $\chi^2/\text{NDF}: 64.2/30$

Out: 66.567 ± 15.158 $\chi^2/\text{NDF}: 77.8/34$

All: 60.716 ± 11.010 $\chi^2/\text{NDF}: 142.3/65$

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: 63.956 $\pm$ 0.014 χ^2 /NDF: 77547.2/13

Left: 63.661 $\pm$ 0.009 χ^2 /NDF: 164264.4/29

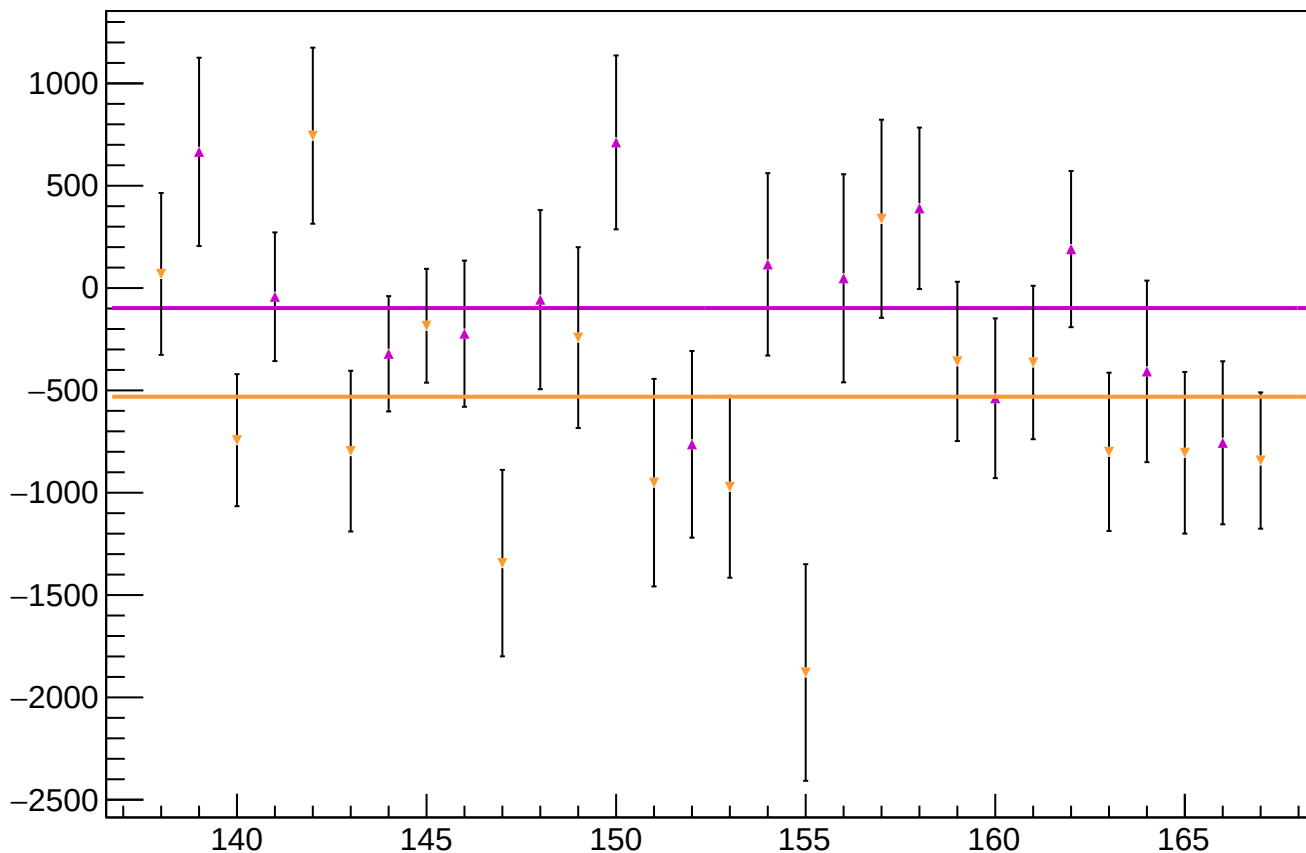
Right: 71.149 $\pm$ 0.014 χ^2 /NDF: 694733.5/35

In: 66.536 $\pm$ 0.011 χ^2 /NDF: 580256.6/30

Out: 65.619 $\pm$ 0.011 χ^2 /NDF: 476371.3/34

All: 66.052 $\pm$ 0.008 χ^2 /NDF: 1060087.6/65

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: -97.695+/-104.825 χ^2/NDF :16.2/13

Left: -328.092+/-71.720 χ^2/NDF : 56.1/29

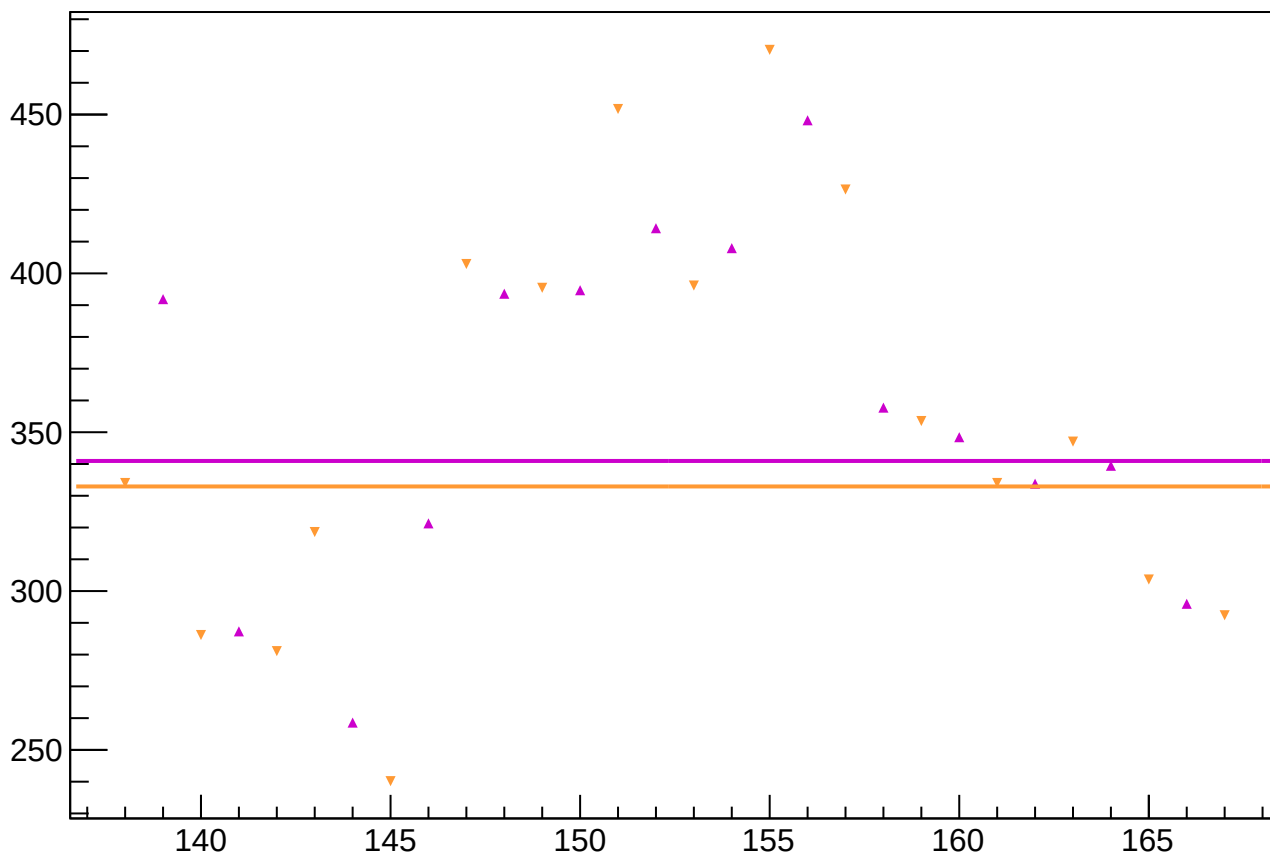
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -97.695+/-104.825 χ^2/NDF :16.2/13

Out: -530.861+/-98.340 χ^2/NDF :30.8/15

All: -328.092+/-71.720 χ^2/NDF : 56.1/29

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: 340.956+/-0.074 χ^2/NDF : 537003.0/13

Left: 336.686+/-0.051 χ^2/NDF : 1335584.1/29

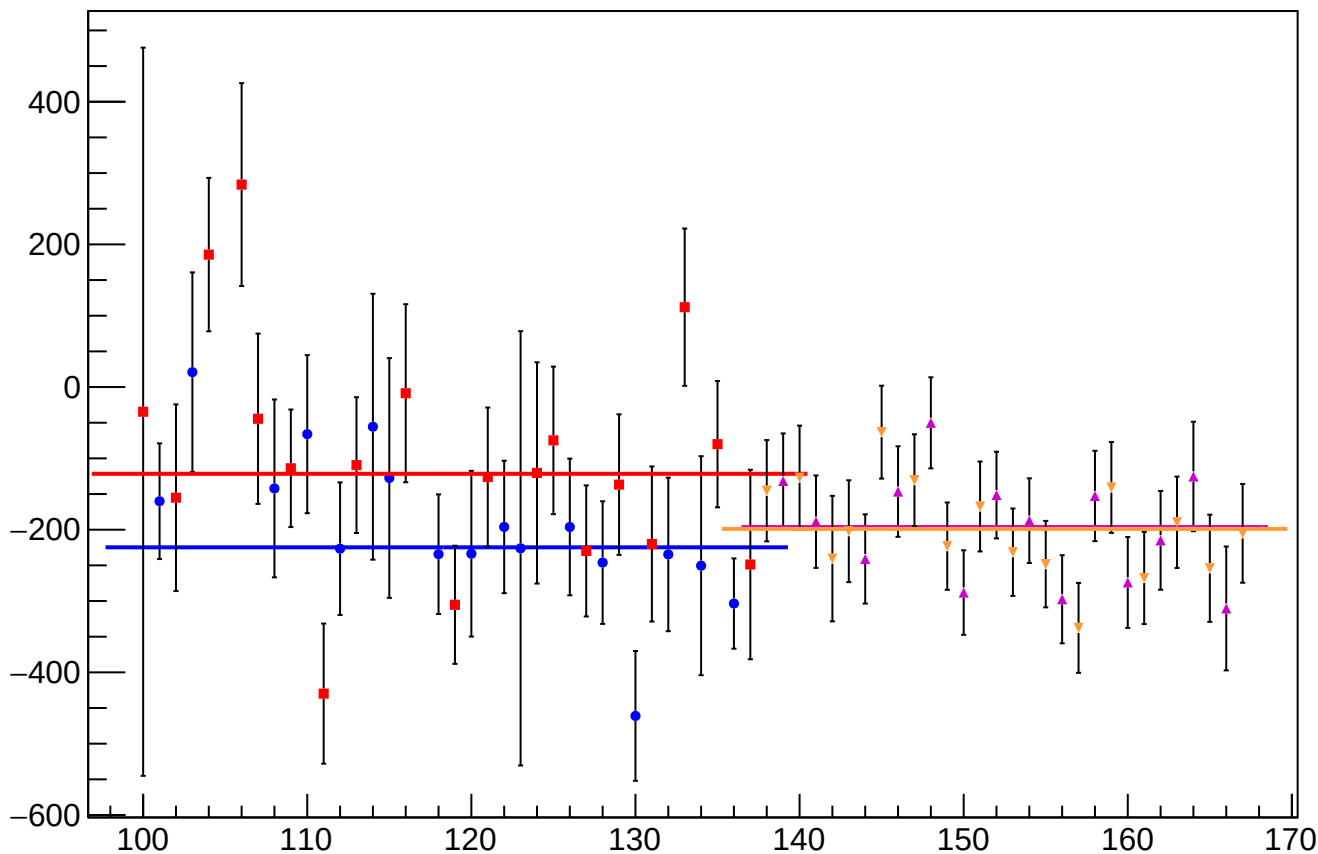
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 340.956+/-0.074 χ^2/NDF : 537003.0/13

Out: 332.928+/-0.070 χ^2/NDF : 792342.6/15

All: 336.686+/-0.051 χ^2/NDF : 1335584.1/29

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -198.875 ± 16.633 $\chi^2/\text{NDF}: 16.0/15$

Right Out: -121.633 ± 24.599 $\chi^2/\text{NDF}: 40.5/18$

Left In: -196.306 ± 17.356 $\chi^2/\text{NDF}: 17.6/13$

Left: -197.645 ± 12.009 $\chi^2/\text{NDF}: 33.6/29$

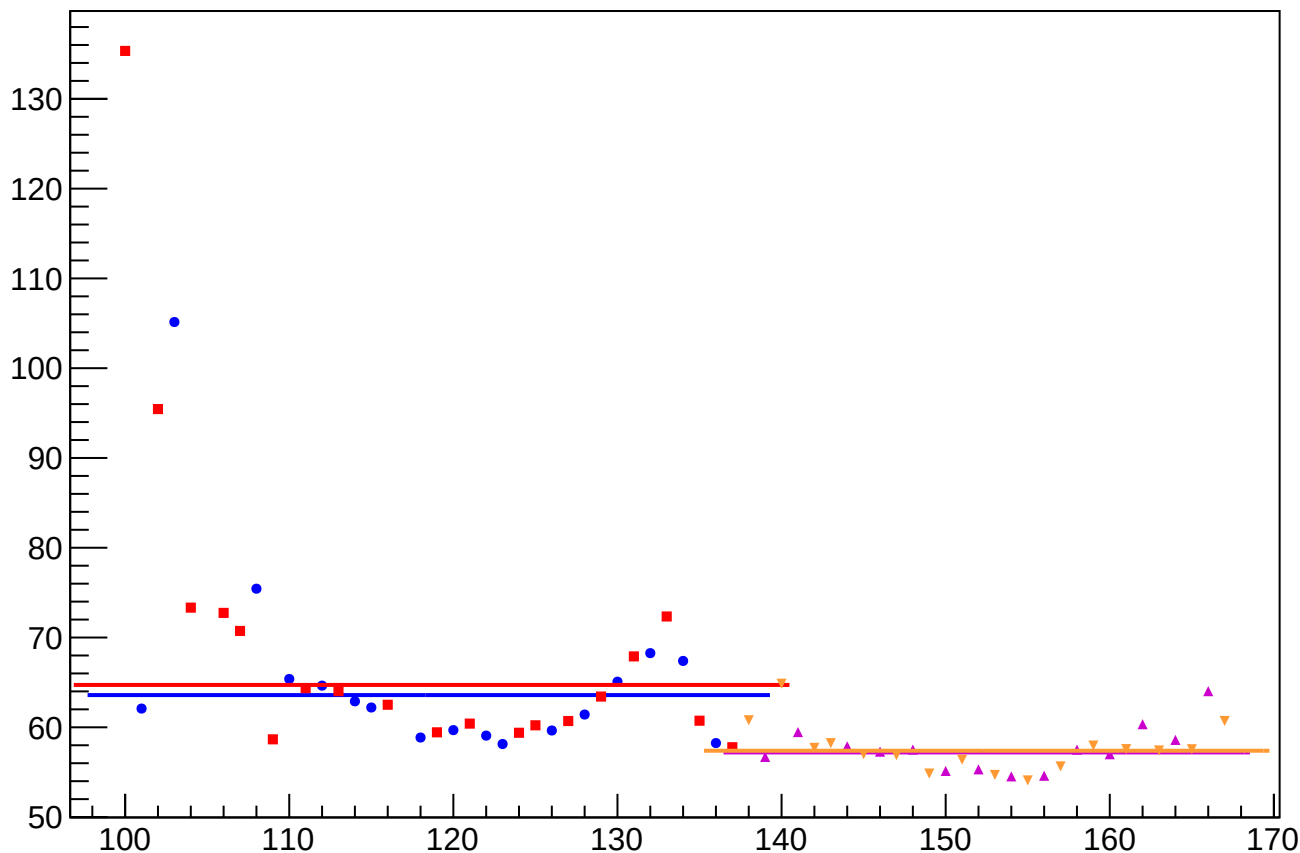
Right: -172.594 ± 17.493 $\chi^2/\text{NDF}: 65.1/35$

In: -205.609 ± 14.235 $\chi^2/\text{NDF}: 34.4/30$

Out: -174.640 ± 13.779 $\chi^2/\text{NDF}: 63.2/34$

All: -189.621 ± 9.900 $\chi^2/\text{NDF}: 100.1/65$

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: 57.200 $\pm$ 0.012 χ^2 /NDF: 31972.9/13

Left: 57.300 $\pm$ 0.008 χ^2 /NDF: 78203.5/29

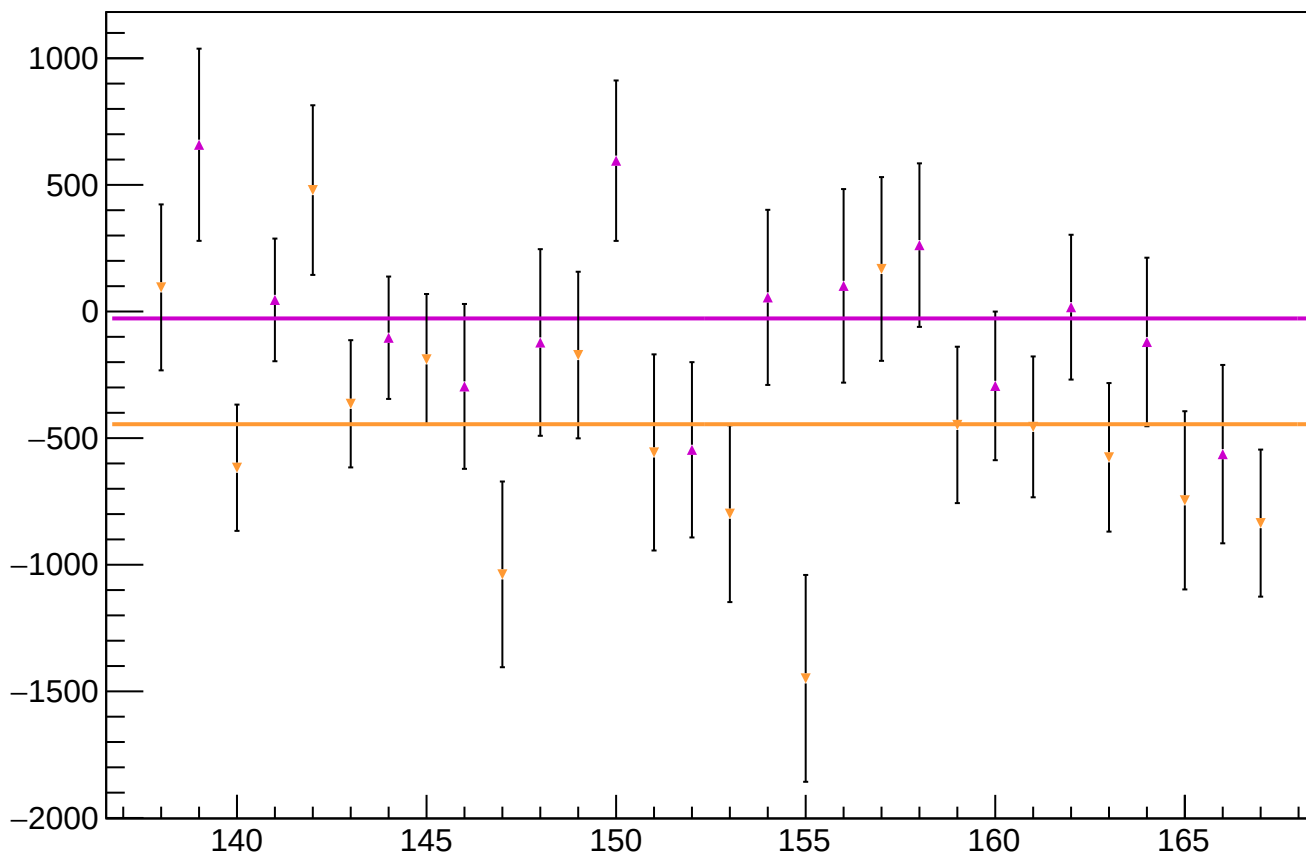
Right: 64.161 $\pm$ 0.012 χ^2 /NDF: 464197.3/35

In: 59.292 $\pm$ 0.010 χ^2 /NDF: 355279.0/30

Out: 59.691 $\pm$ 0.010 χ^2 /NDF: 395444.7/34

All: 59.498 $\pm$ 0.007 χ^2 /NDF: 751534.8/65

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: -27.390+/-83.928 χ^2/NDF :14.5/13

Left: -252.090+/-57.048 χ^2/NDF : 55.8/29

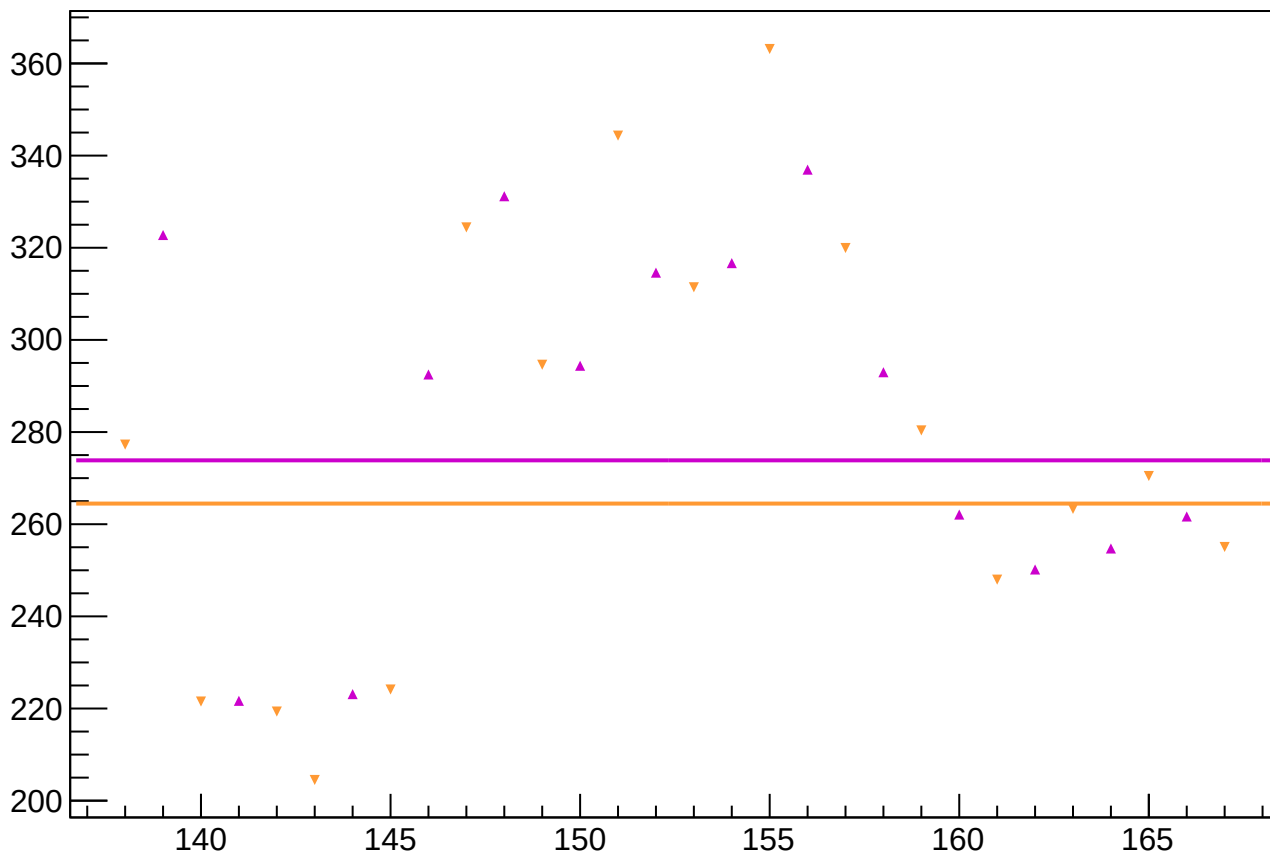
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -27.390+/-83.928 χ^2/NDF :14.5/13

Out: -445.069+/-77.779 χ^2/NDF :27.9/15

All: -252.090+/-57.048 χ^2/NDF : 55.8/29

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: 273.861+/-0.059 χ^2/NDF : 423403.2/13

Left: 268.813+/-0.040 χ^2/NDF : 1068487.1/29

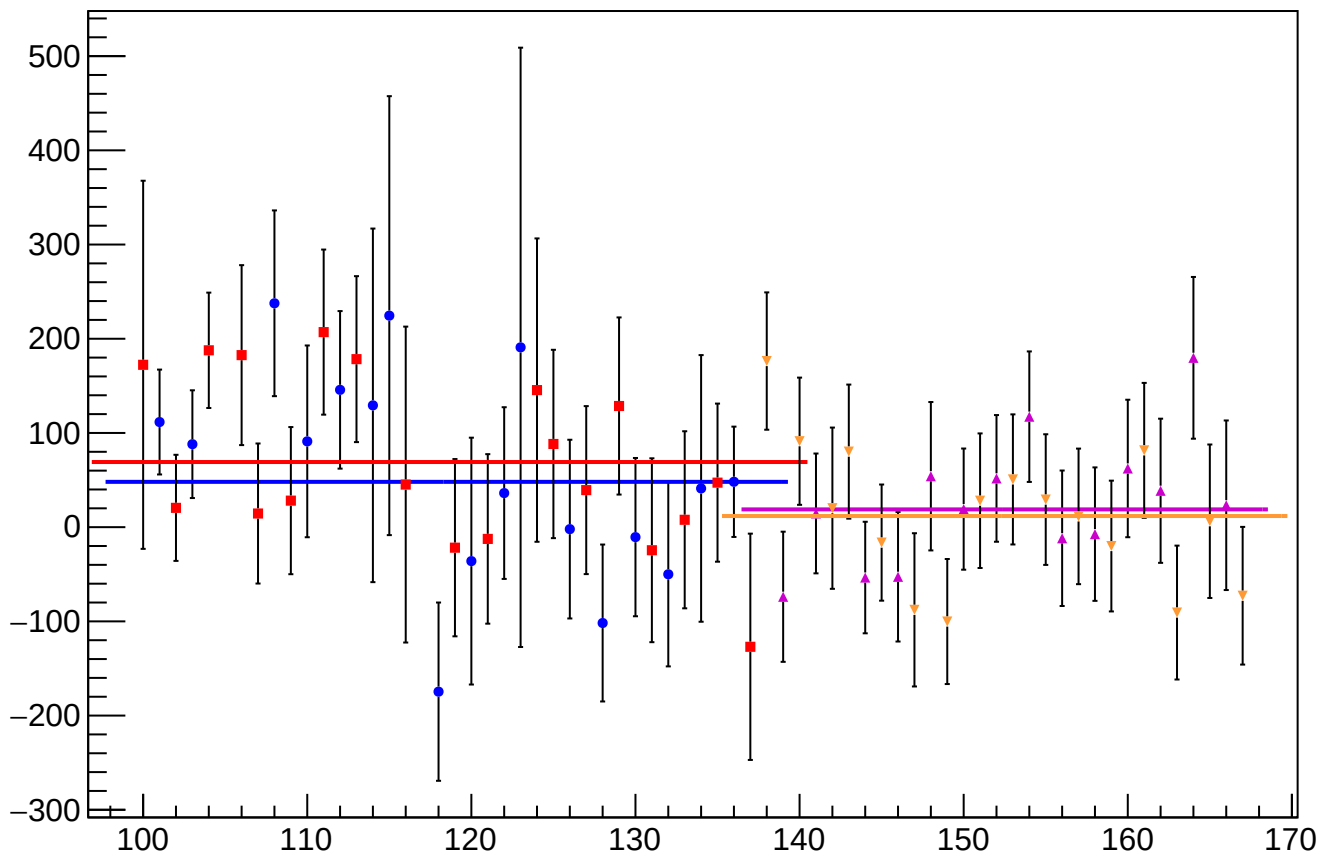
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 273.861+/-0.059 χ^2/NDF : 423403.2/13

Out: 264.478+/-0.055 χ^2/NDF : 631635.9/15

All: 268.813+/-0.040 χ^2/NDF : 1068487.1/29

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: 18.861 $\pm$ 18.908 χ^2 /NDF:11.1/13

Left: 15.150 $\pm$ 12.991 χ^2 /NDF: 28.1/29

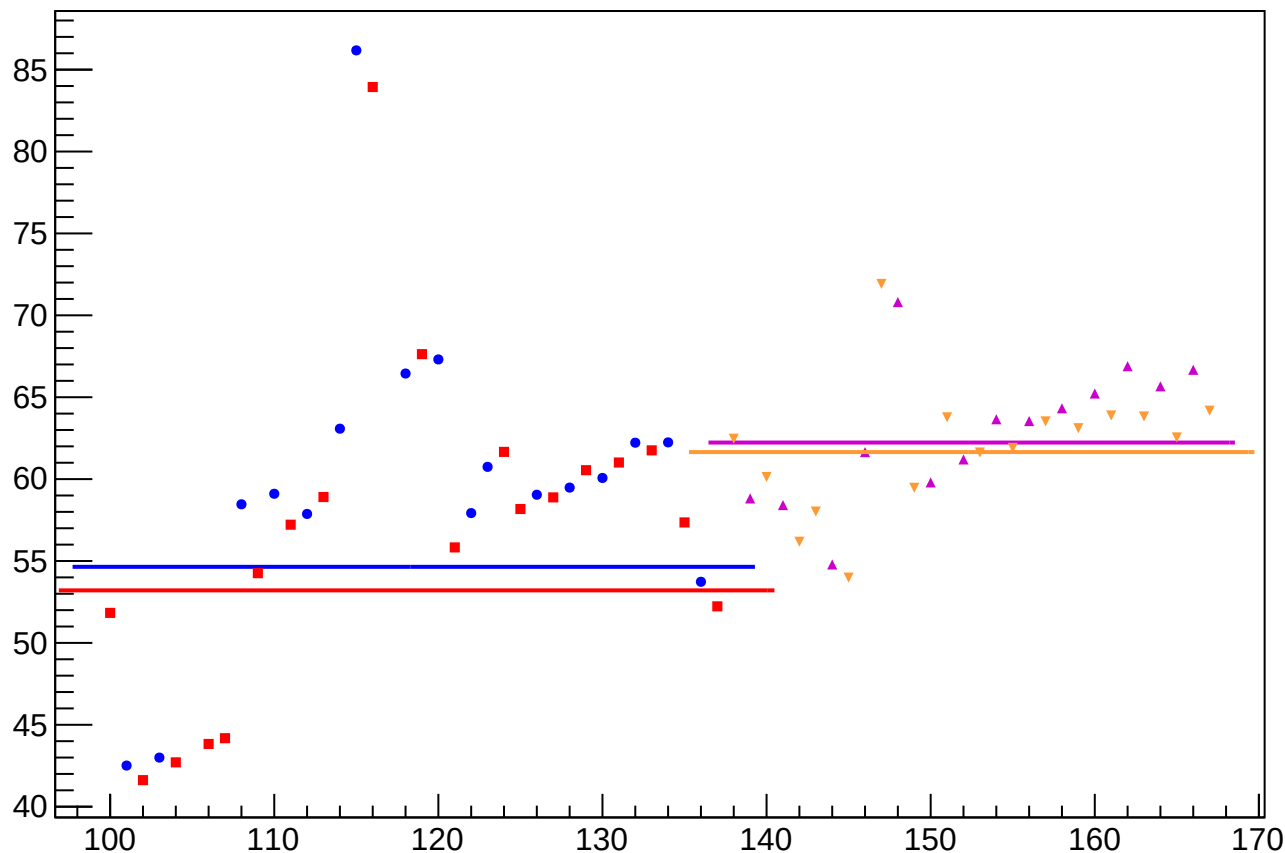
Right: 59.186 $\pm$ 14.805 χ^2 /NDF: 37.1/35

In: 31.610 $\pm$ 14.201 χ^2 /NDF:31.1/30

Out: 36.725 $\pm$ 13.448 χ^2 /NDF:39.1/34

All: 34.307 $\pm$ 9.765 χ^2 /NDF: 70.3/65

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: 62.233 $\pm$ 0.013 χ^2 /NDF: 93029.6/13

Left: 61.925 $\pm$ 0.009 χ^2 /NDF: 184119.9/29

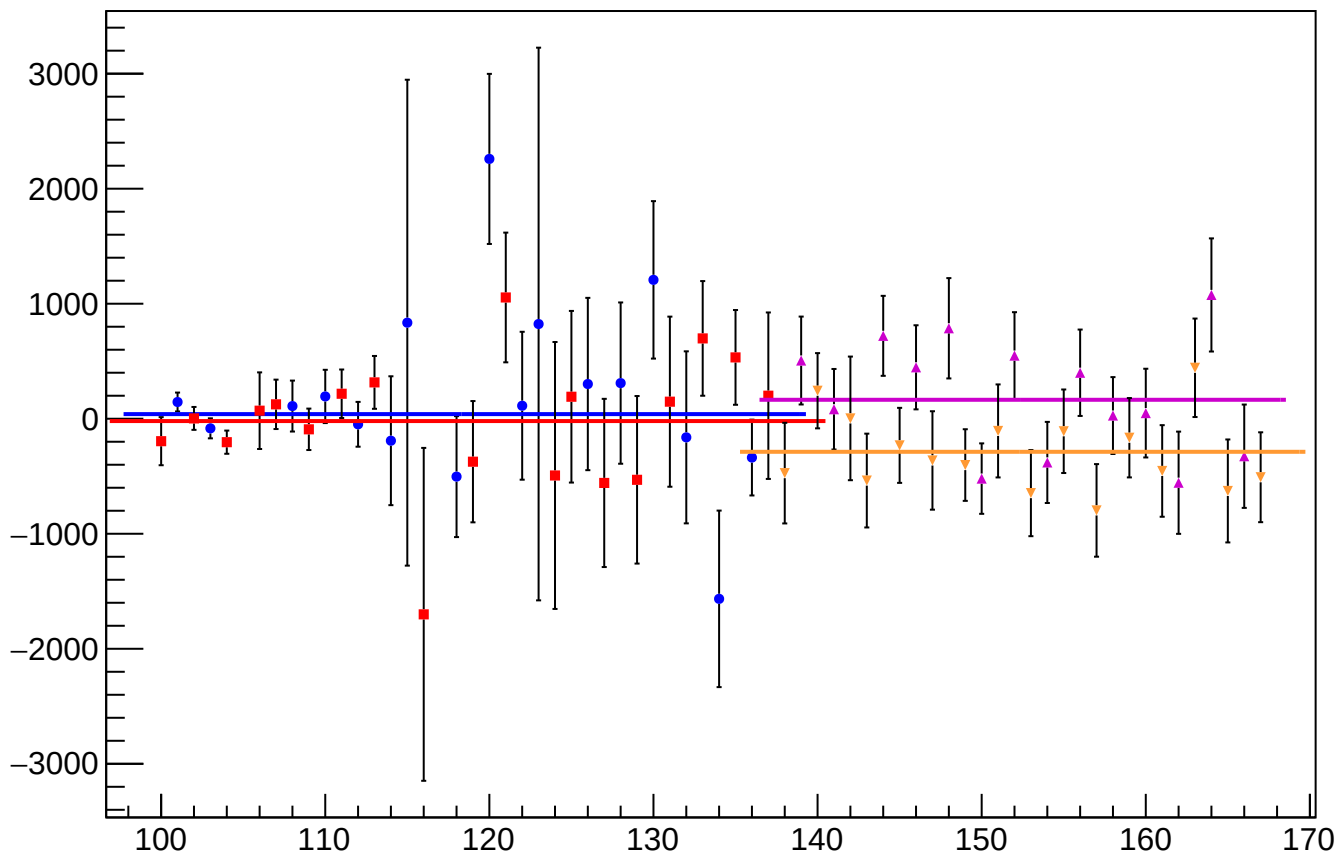
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 58.925 $\pm$ 0.010 χ^2 /NDF: 552716.5/30

Out: 57.984 $\pm$ 0.010 χ^2 /NDF: 670089.2/34

All: 58.429 $\pm$ 0.007 χ^2 /NDF: 1227439.3/65

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207 ± 51.542 χ^2/NDF : 23.9/16

Left Out: -287.448 ± 96.250 χ^2/NDF : 10.8/15

Right Out: -20.232 ± 53.274 χ^2/NDF : 18.9/18

Left In: 164.755 ± 100.673 χ^2/NDF : 22.4/13

Left: -71.496 ± 69.570 χ^2/NDF : 43.7/29

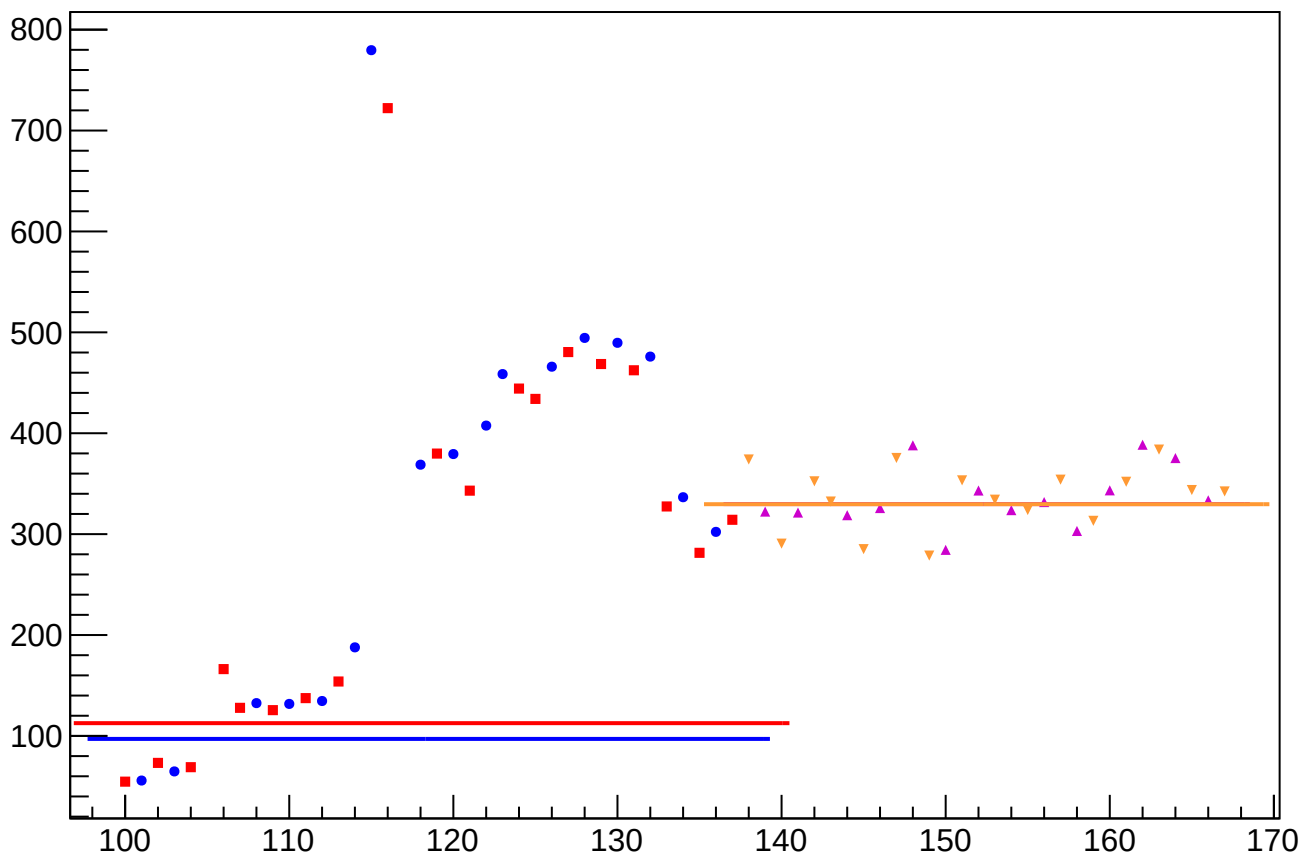
Right: 10.986 ± 37.043 χ^2/NDF : 43.4/35

In: 66.074 ± 45.879 χ^2/NDF : 47.5/30

Out: -82.897 ± 46.611 χ^2/NDF : 35.6/34

All: -7.233 ± 32.697 χ^2/NDF : 88.2/65

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: 329.795+/-0.071 χ^2/NDF : 154452.0/13

Left: 329.726+/-0.049 χ^2/NDF : 382724.9/29

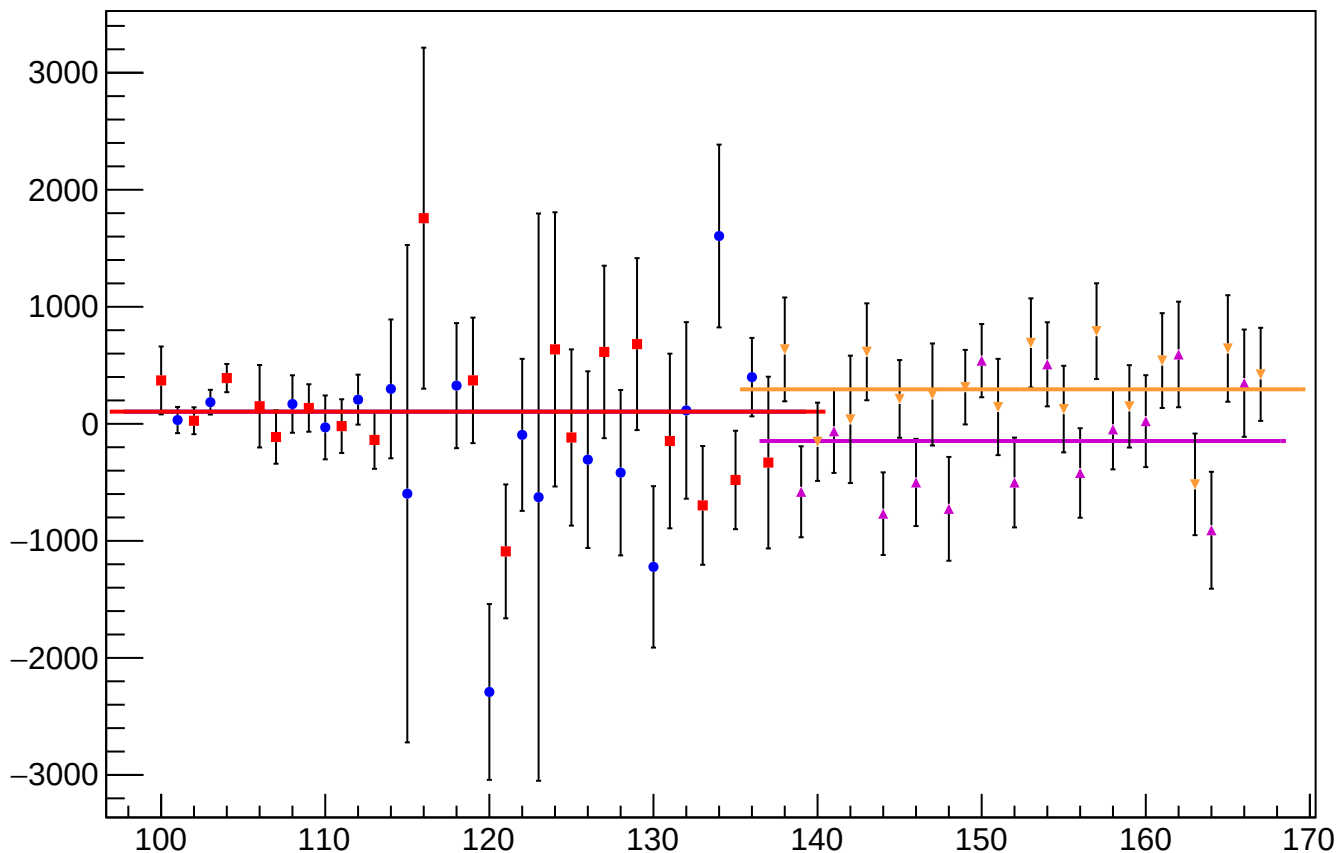
Right: 104.588+/-0.026 χ^2/NDF : 10944761.2/35

In: 145.379+/-0.032 χ^2/NDF : 14444650.0/30

Out: 163.545+/-0.033 χ^2/NDF : 13047082.9/34

All: 154.318+/-0.023 χ^2/NDF : 27646035.9/65

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: -146.863 $\pm$ 102.509 χ^2 /NDF:23.0/13

Left: 84.051 $\pm$ 70.829 χ^2 /NDF: 43.6/29

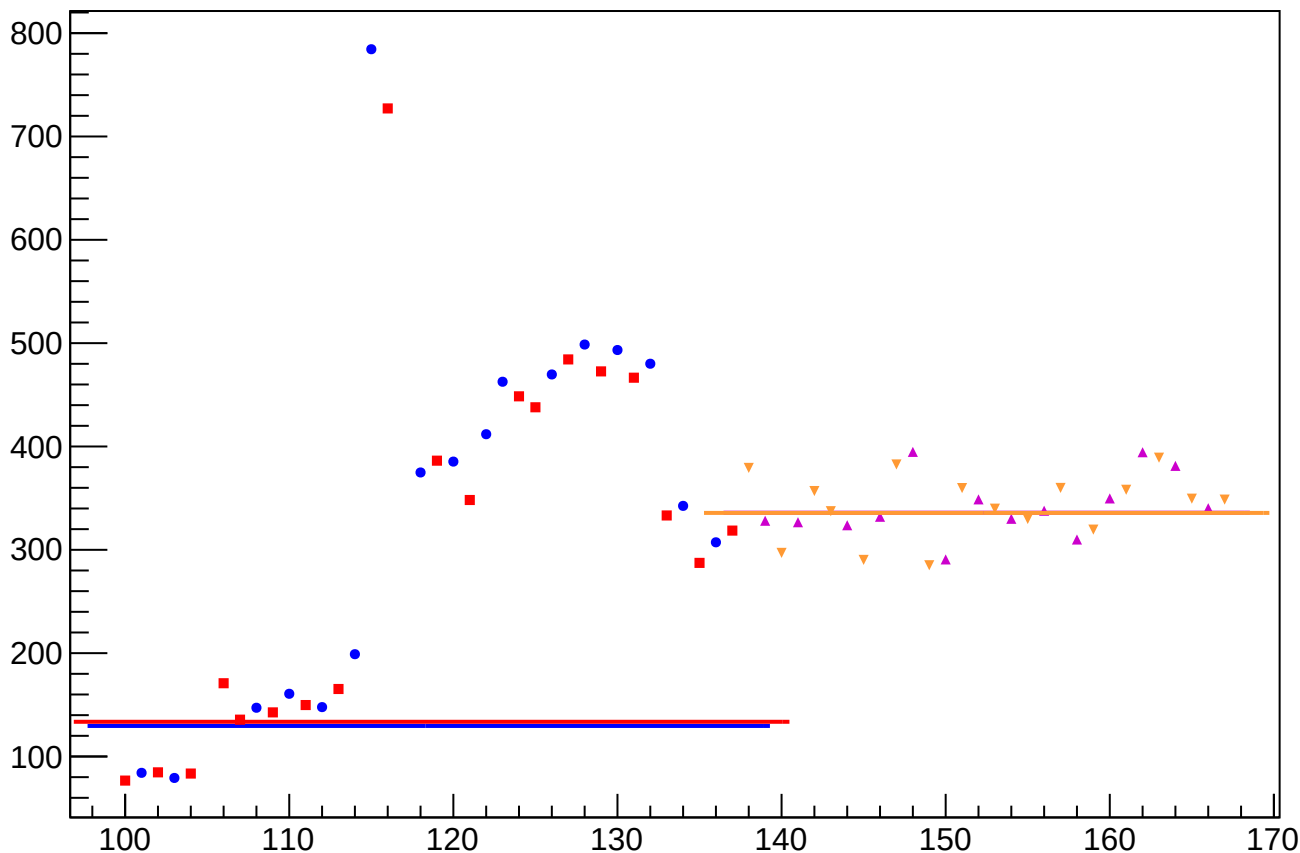
Right: 104.073 $\pm$ 43.823 χ^2 /NDF: 42.6/35

In: 34.977 $\pm$ 53.770 χ^2 /NDF:48.6/30

Out: 157.275 $\pm$ 51.696 χ^2 /NDF:35.0/34

All: 98.530 $\pm$ 37.267 χ^2 /NDF: 86.3/65

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: 335.928+/-0.072 χ^2/NDF :148871.0/13

Left: 335.822+/-0.050 χ^2/NDF : 368469.9/29

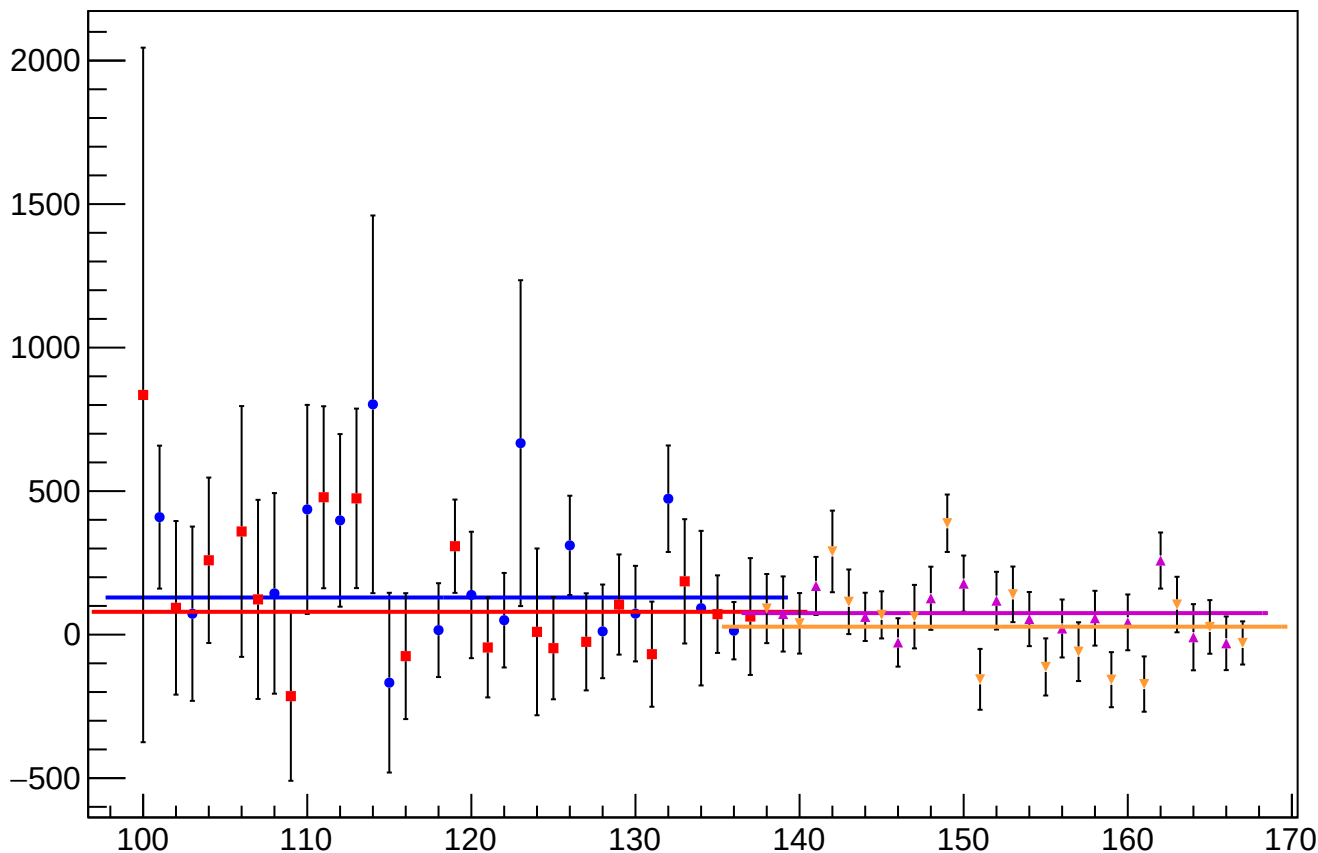
Right: 131.647+/-0.031 χ^2/NDF : 9142947.8/35

In: 186.335+/-0.038 χ^2/NDF :10797221.6/30

Out: 189.865+/-0.037 χ^2/NDF :10728294.7/34

All: 188.169+/-0.026 χ^2/NDF : 21529997.1/65

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: 74.993 $\pm$ 26.311 χ^2 /NDF:9.7/13

Left: 49.948 $\pm$ 18.053 χ^2 /NDF: 45.2/29

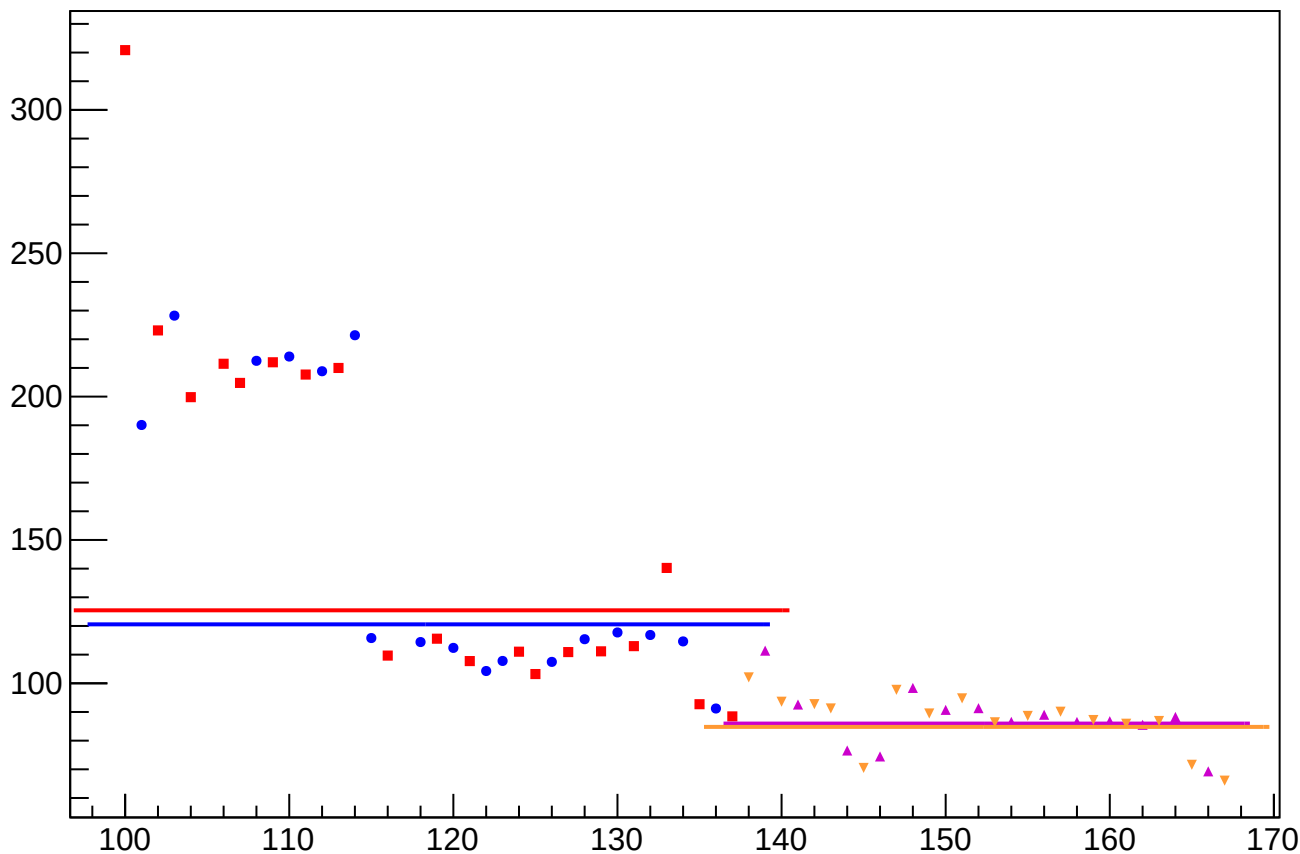
Right: 104.826 $\pm$ 35.001 χ^2 /NDF: 23.7/35

In: 87.122 $\pm$ 23.193 χ^2 /NDF:23.5/30

Out: 37.946 $\pm$ 22.219 χ^2 /NDF:45.0/34

All: 61.479 $\pm$ 16.045 χ^2 /NDF: 70.8/65

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 84.796 $\pm$ 0.018 χ^2 /NDF:353461.4/15

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

Left In: 85.953 $\pm$ 0.019 χ^2 /NDF:248641.5/13

Left: 85.341 $\pm$ 0.013 χ^2 /NDF: 604149.9/29

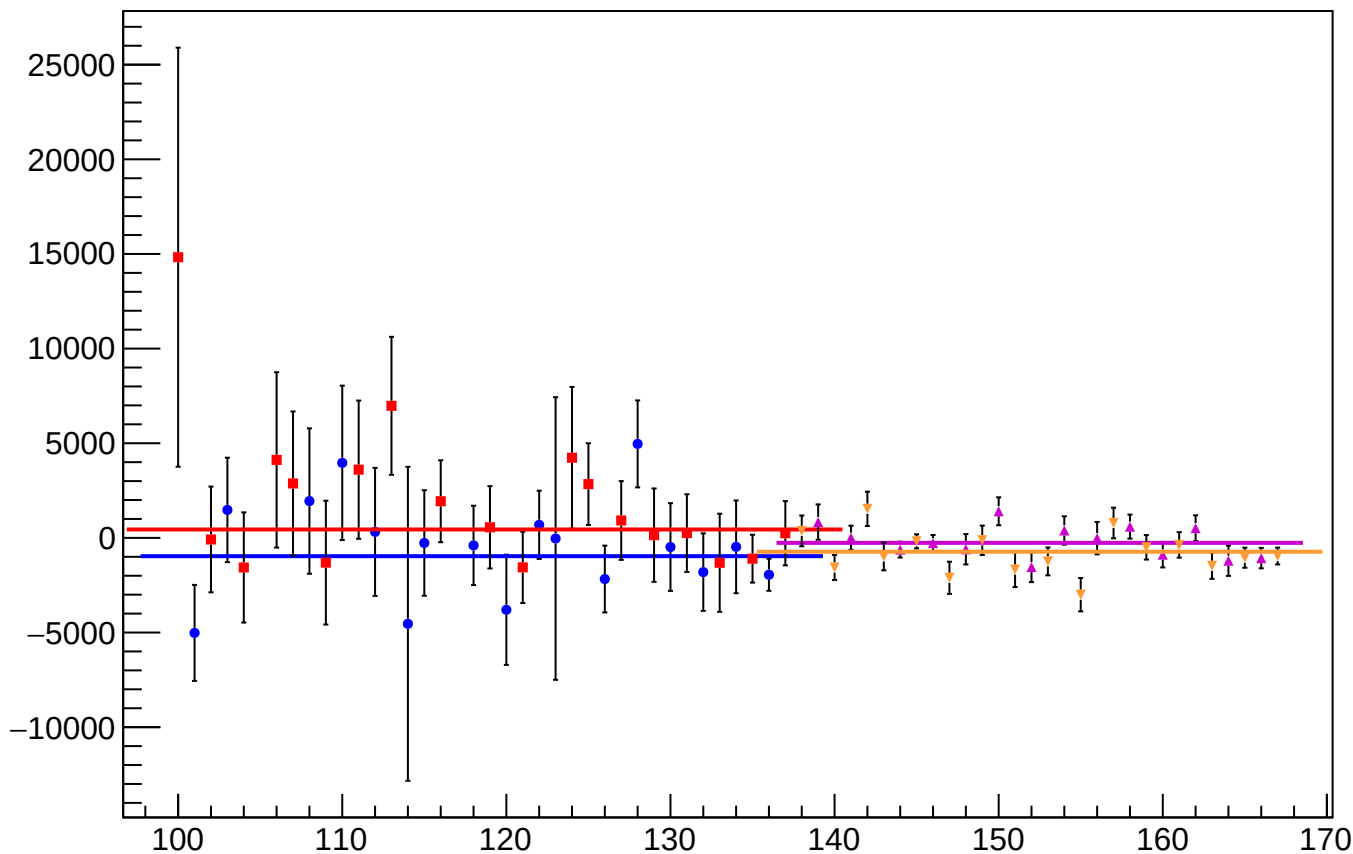
Right: 122.974 $\pm$ 0.025 χ^2 /NDF: 2455600.4/35

In: 93.669 $\pm$ 0.016 χ^2 /NDF:2132324.1/30

Out: 92.863 $\pm$ 0.016 χ^2 /NDF:2752415.9/34

All: 93.249 $\pm$ 0.011 χ^2 /NDF: 4886001.7/65

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: -262.463+/-169.743 χ^2/NDF : 18.6/13

Left: -508.570+/-116.998 χ^2/NDF : 51.7/29

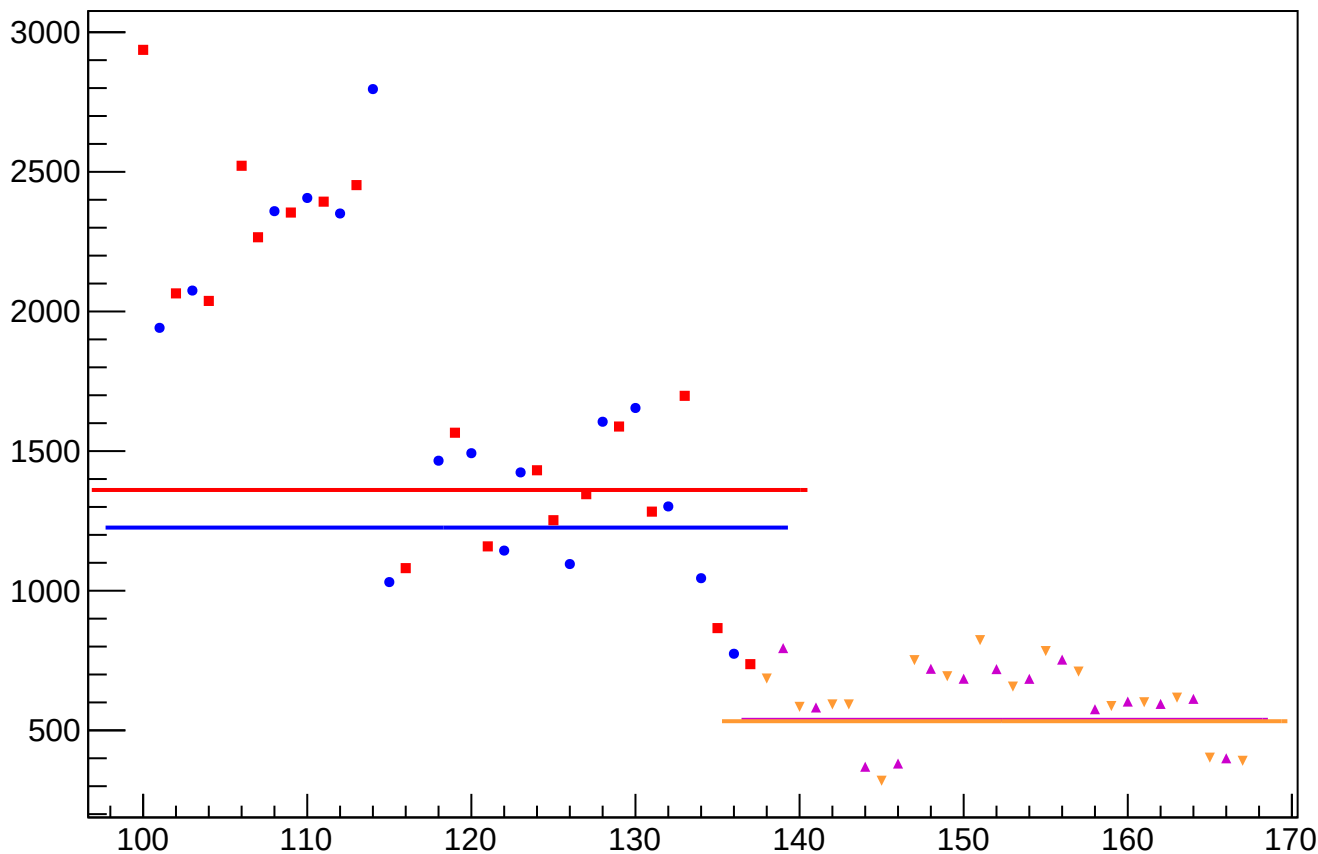
Right: -305.110+/-373.410 χ^2/NDF : 33.3/35

In: -332.107+/-161.130 χ^2/NDF : 36.7/30

Out: -636.545+/-154.842 χ^2/NDF : 46.8/34

All: -490.382+/-111.646 χ^2/NDF : 85.3/65

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: 537.716+/-0.120 χ^2/NDF : 1430010.9/13

Left: 535.090+/-0.083 χ^2/NDF : 3315238.1/29

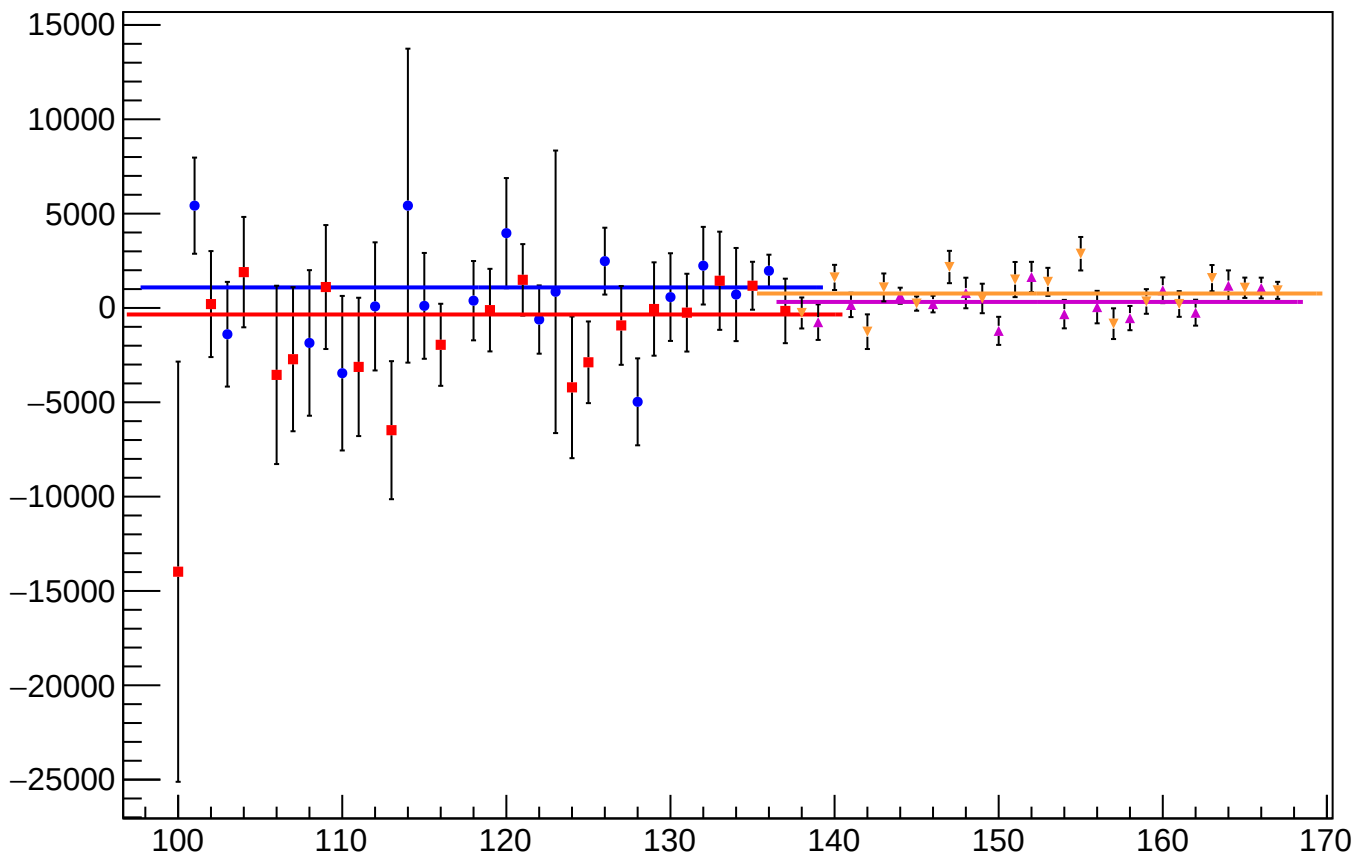
Right: 1289.252+/-0.264 χ^2/NDF : 3570145.2/35

In: 605.807+/-0.114 χ^2/NDF : 6440109.3/30

Out: 599.463+/-0.109 χ^2/NDF : 7872423.0/34

All: 602.509+/-0.079 χ^2/NDF : 14314143.7/65

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 765.779 $\pm$ 163.766 χ^2 /NDF:26.7/15

Right Out: -345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

Left In: 318.902 $\pm$ 172.196 χ^2 /NDF:16.4/13

Left: 553.545 $\pm$ 118.668 χ^2 /NDF: 46.7/29

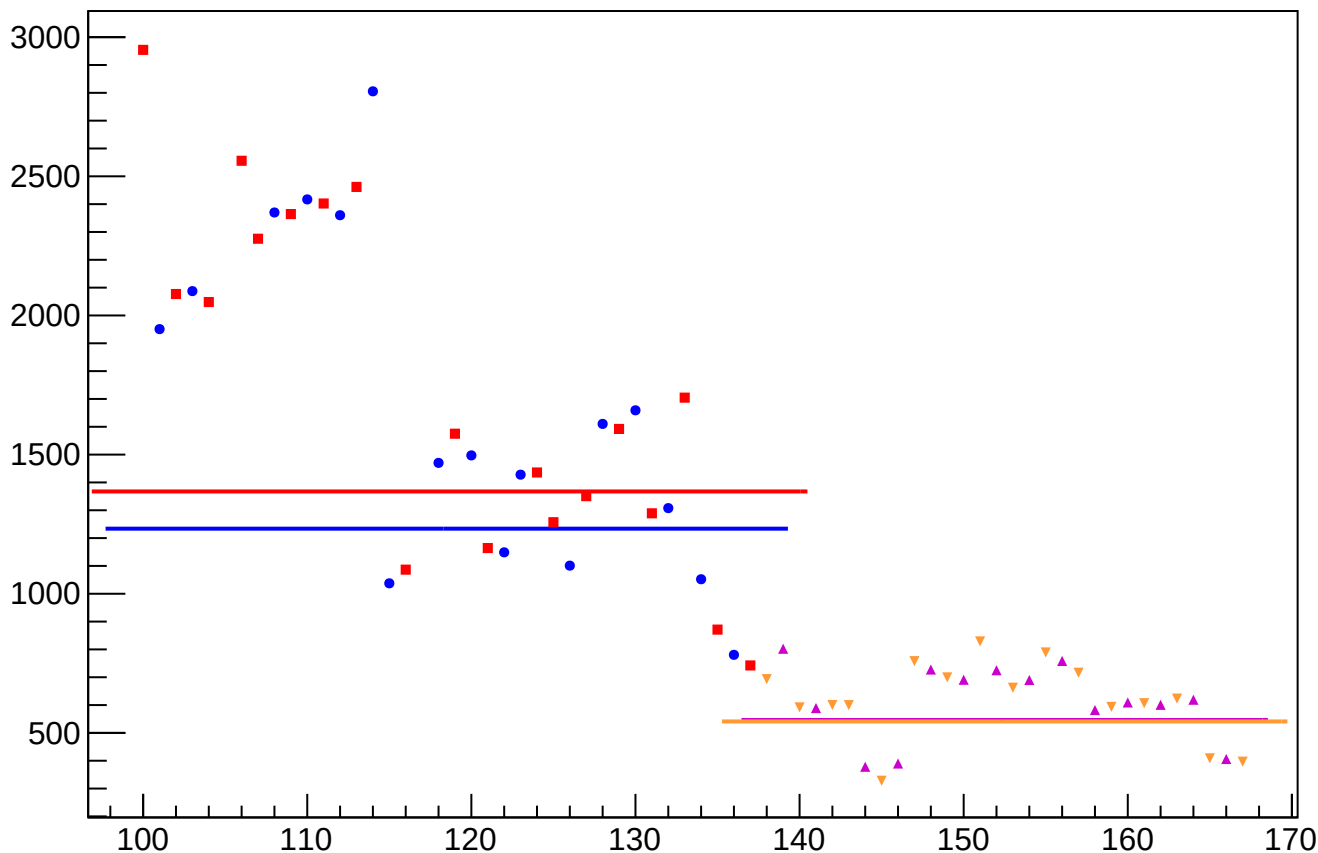
Right: 416.082 $\pm$ 375.451 χ^2 /NDF: 33.1/35

In: 396.272 $\pm$ 163.317 χ^2 /NDF:35.4/30

Out: 674.717 $\pm$ 156.914 χ^2 /NDF:43.0/34

All: 541.060 $\pm$ 113.151 χ^2 /NDF: 79.9/65

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: 546.348 $\pm$ 0.122 χ^2 /NDF:1371829.6/13

Left: 543.618 $\pm$ 0.084 χ^2 /NDF: 3186577.5/29

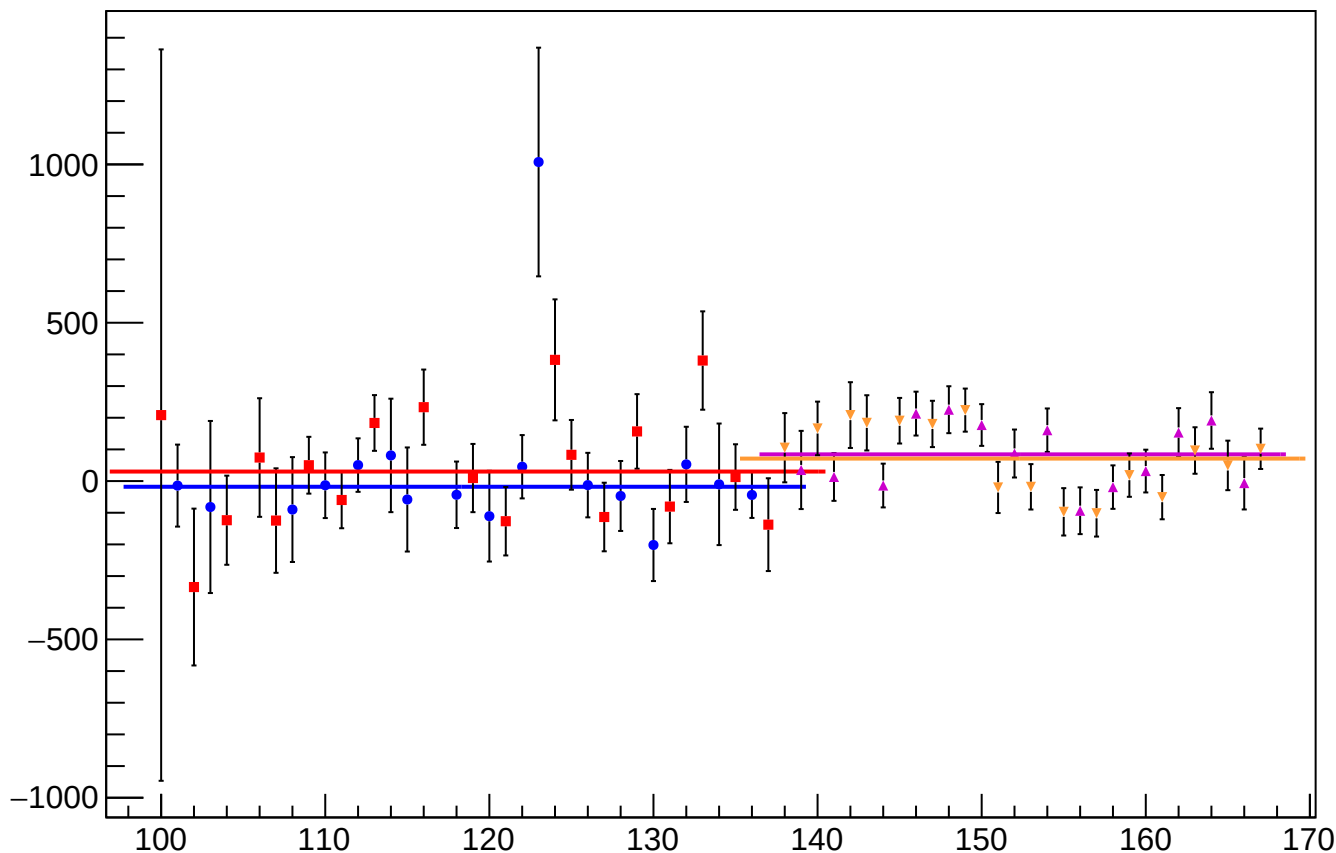
Right: 1296.600 $\pm$ 0.265 χ^2 /NDF: 3551849.9/35

In: 615.416 $\pm$ 0.115 χ^2 /NDF:6318762.9/30

Out: 608.863 $\pm$ 0.111 χ^2 /NDF:7731727.6/34

All: 612.009 $\pm$ 0.080 χ^2 /NDF: 14052164.4/65

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972±28.848 χ^2/NDF : 13.4/16

Left Out: 71.004±19.009 χ^2/NDF :32.3/15

Right Out: 30.070±27.976 χ^2/NDF : 27.4/18

Left In: 84.326±19.956 χ^2/NDF :25.5/13

Left: 77.341±13.764 χ^2/NDF : 58.0/29

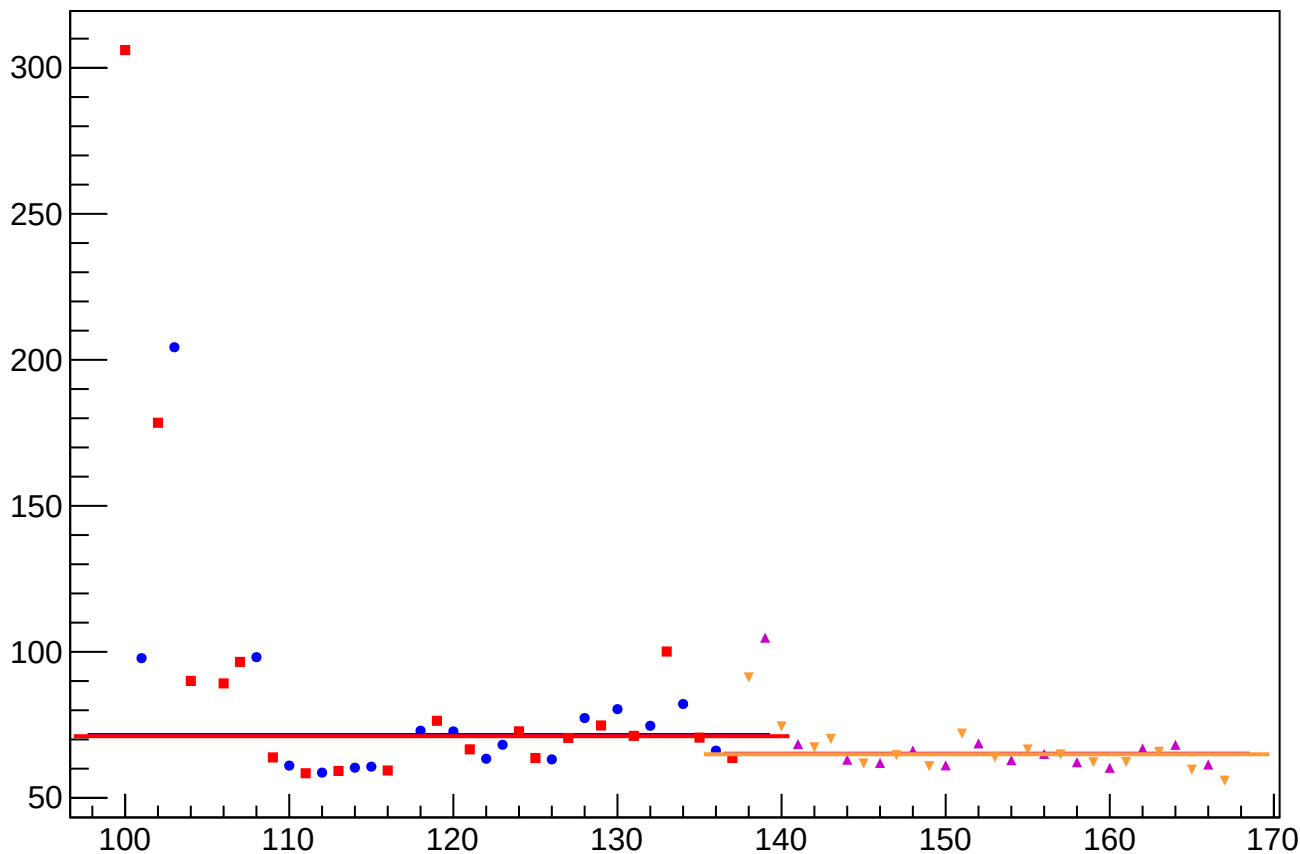
Right: 6.786±20.083 χ^2/NDF : 42.2/35

In: 51.216±16.412 χ^2/NDF :47.4/30

Out: 58.074±15.723 χ^2/NDF :61.1/34

All: 54.792±11.354 χ^2/NDF : 108.6/65

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: 65.123+/-0.014 χ^2/NDF : 252196.3/13

Left: 65.019+/-0.010 χ^2/NDF : 485535.7/29

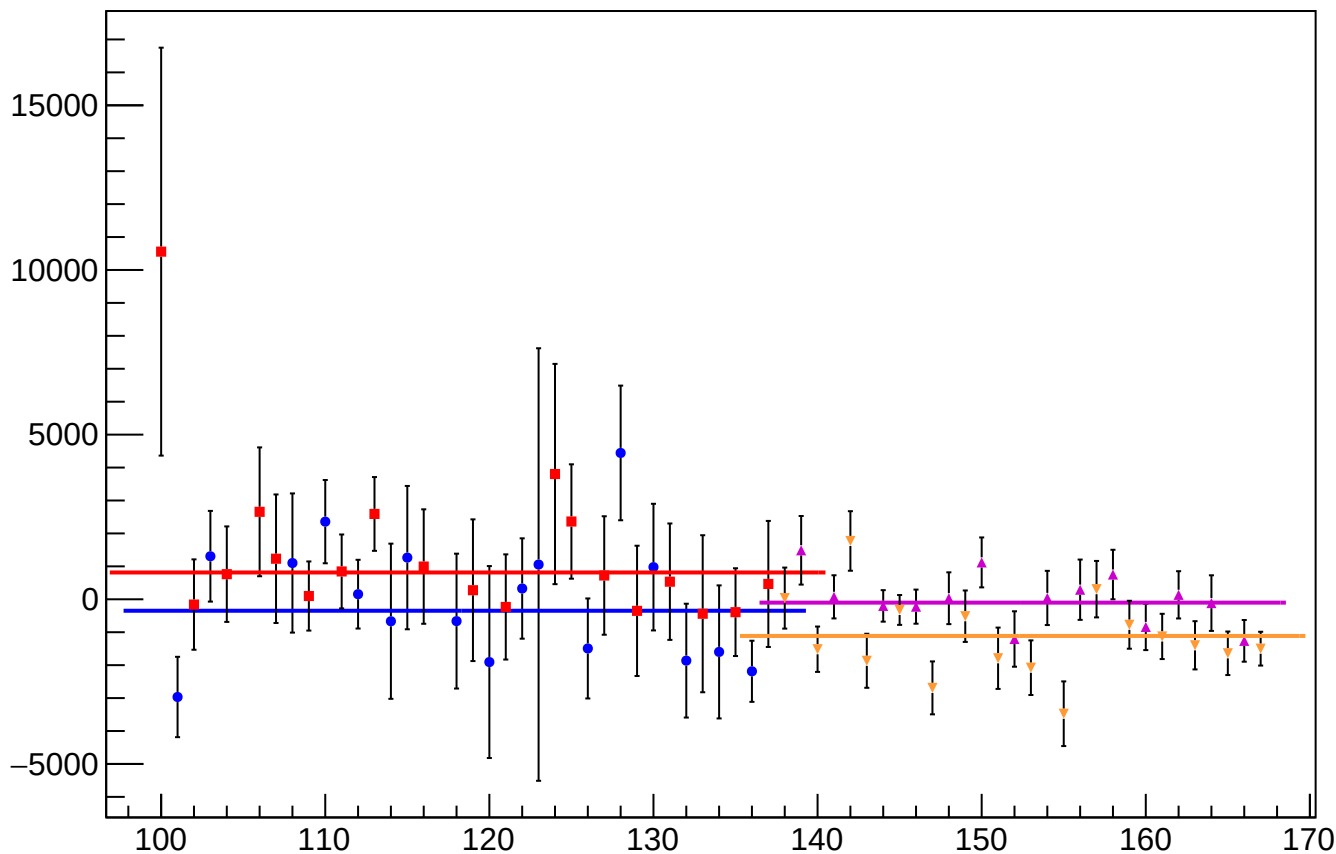
Right: 71.319+/-0.014 χ^2/NDF : 1524340.2/35

In: 67.198+/-0.012 χ^2/NDF : 1078010.8/30

Out: 66.881+/-0.011 χ^2/NDF : 1065360.4/34

All: 67.033+/-0.008 χ^2/NDF : 2143761.6/65

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: -101.373+/-187.574 χ^2 /NDF:12.9/13

Left: -629.300+/-129.721 χ^2 /NDF: 60.5/29

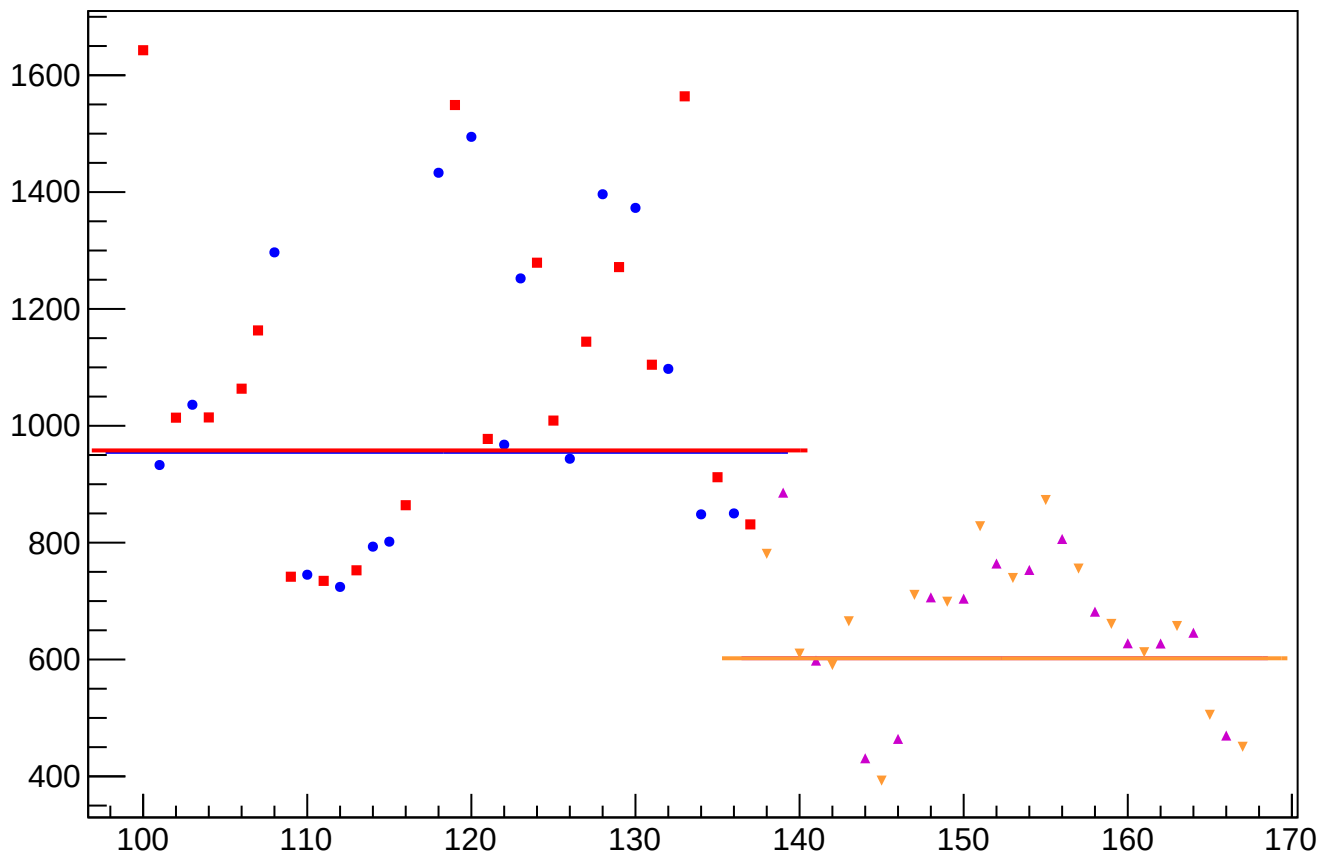
Right: 251.940+/-265.697 χ^2 /NDF: 39.3/35

In: -149.275+/-168.370 χ^2 /NDF:37.3/30

Out: -745.436+/-161.550 χ^2 /NDF:64.8/34

All: -459.675+/-116.570 χ^2 /NDF: 108.7/65

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 602.100 $\pm$ 0.127 χ^2 /NDF: 1212360.5/15

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

Left In: 602.284 $\pm$ 0.133 χ^2 /NDF: 979203.6/13

Left: 602.188 $\pm$ 0.092 χ^2 /NDF: 2191565.1/29

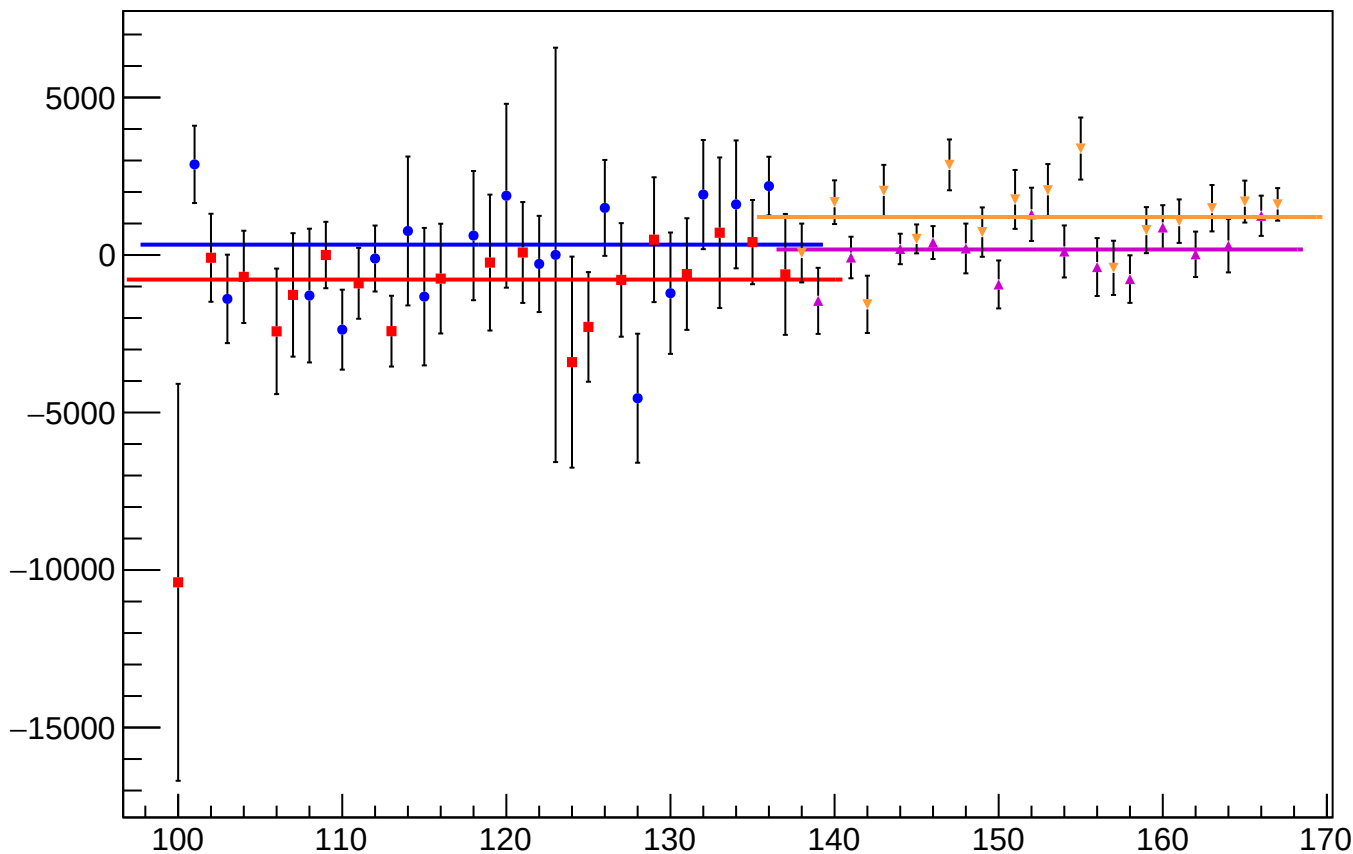
Right: 956.676 $\pm$ 0.188 χ^2 /NDF: 1339635.8/35

In: 670.891 $\pm$ 0.119 χ^2 /NDF: 3002932.0/30

Out: 669.990 $\pm$ 0.114 χ^2 /NDF: 3403066.4/34

All: 670.422 $\pm$ 0.082 χ^2 /NDF: 6406028.2/65

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: 175.606 $\pm$ 188.868 χ^2 /NDF:12.4/13

Left: 713.135 $\pm$ 130.610 χ^2 /NDF: 58.5/29

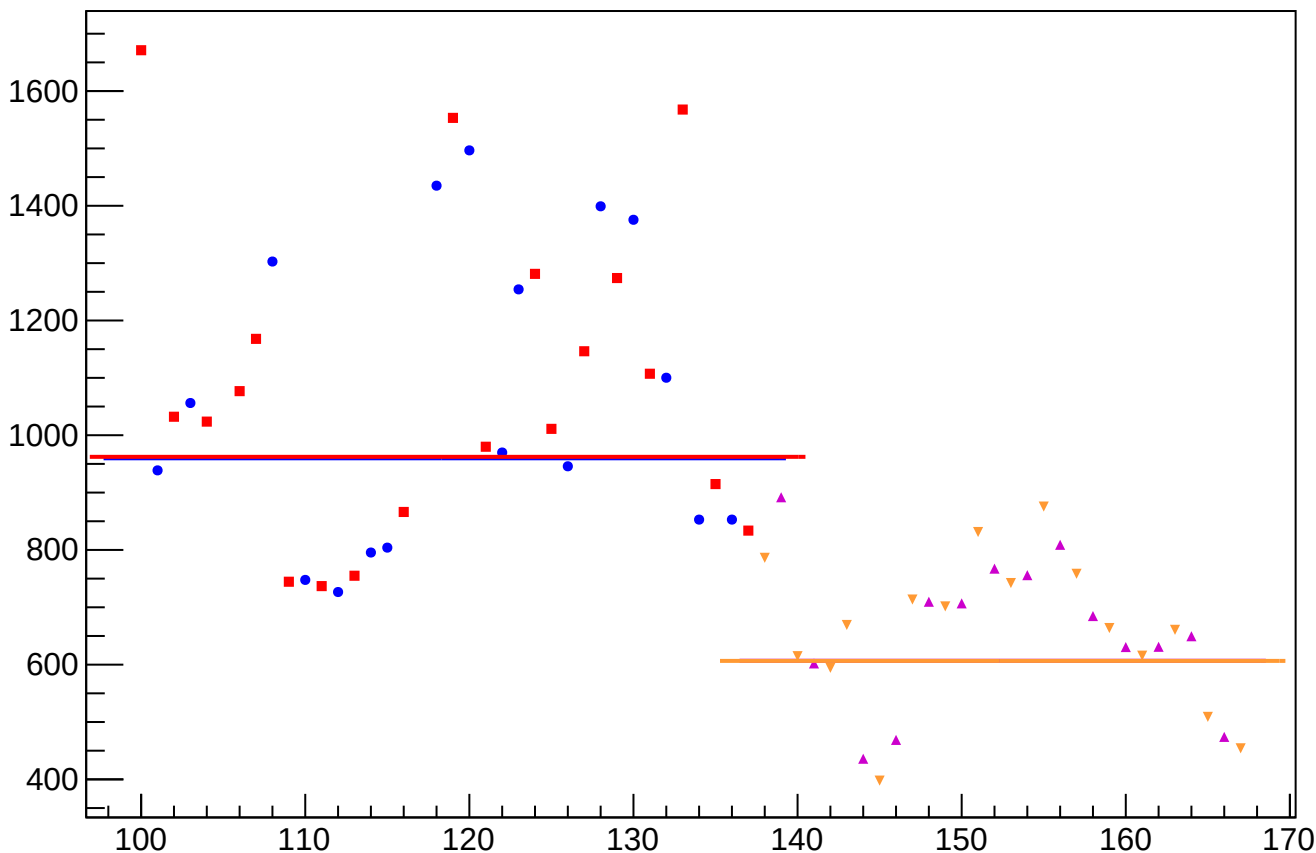
Right: -242.920 $\pm$ 266.973 χ^2 /NDF: 37.9/35

In: 205.551 $\pm$ 169.454 χ^2 /NDF:36.8/30

Out: 825.835 $\pm$ 162.595 χ^2 /NDF:62.9/34

All: 528.502 $\pm$ 117.322 χ^2 /NDF: 106.7/65

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 +/- 0.271 χ^2/NDF : 646727.9/16

Left Out: 606.553 +/- 0.128 χ^2/NDF : 1185005.7/15

Right Out: 962.314 +/- 0.263 χ^2/NDF : 695757.2/18

Left In: 606.790 +/- 0.134 χ^2/NDF : 956645.5/13

Left: 606.666 +/- 0.092 χ^2/NDF : 2141652.8/29

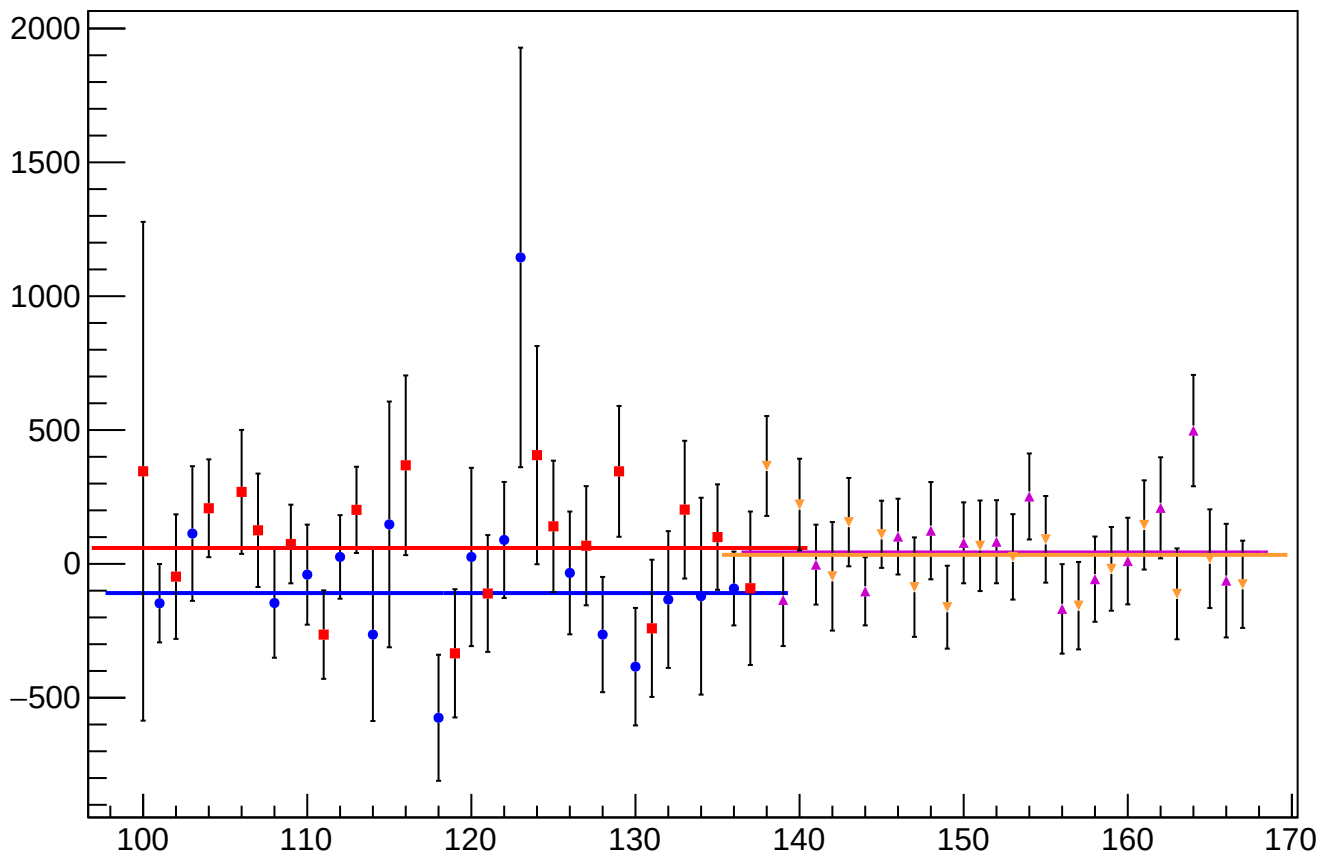
Right: 961.083 +/- 0.189 χ^2/NDF : 1342530.4/35

In: 675.625 +/- 0.120 χ^2/NDF : 2965676.6/30

Out: 674.638 +/- 0.115 χ^2/NDF : 3362498.7/34

All: 675.111 +/- 0.083 χ^2/NDF : 6328210.7/65

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 33.694 ± 41.287 χ^2/NDF : 10.7/15

Right Out: 59.475 ± 50.822 χ^2/NDF : 14.9/18

Left In: 42.701 ± 43.391 χ^2/NDF : 12.5/13

Left: 37.974 ± 29.911 χ^2/NDF : 23.2/29

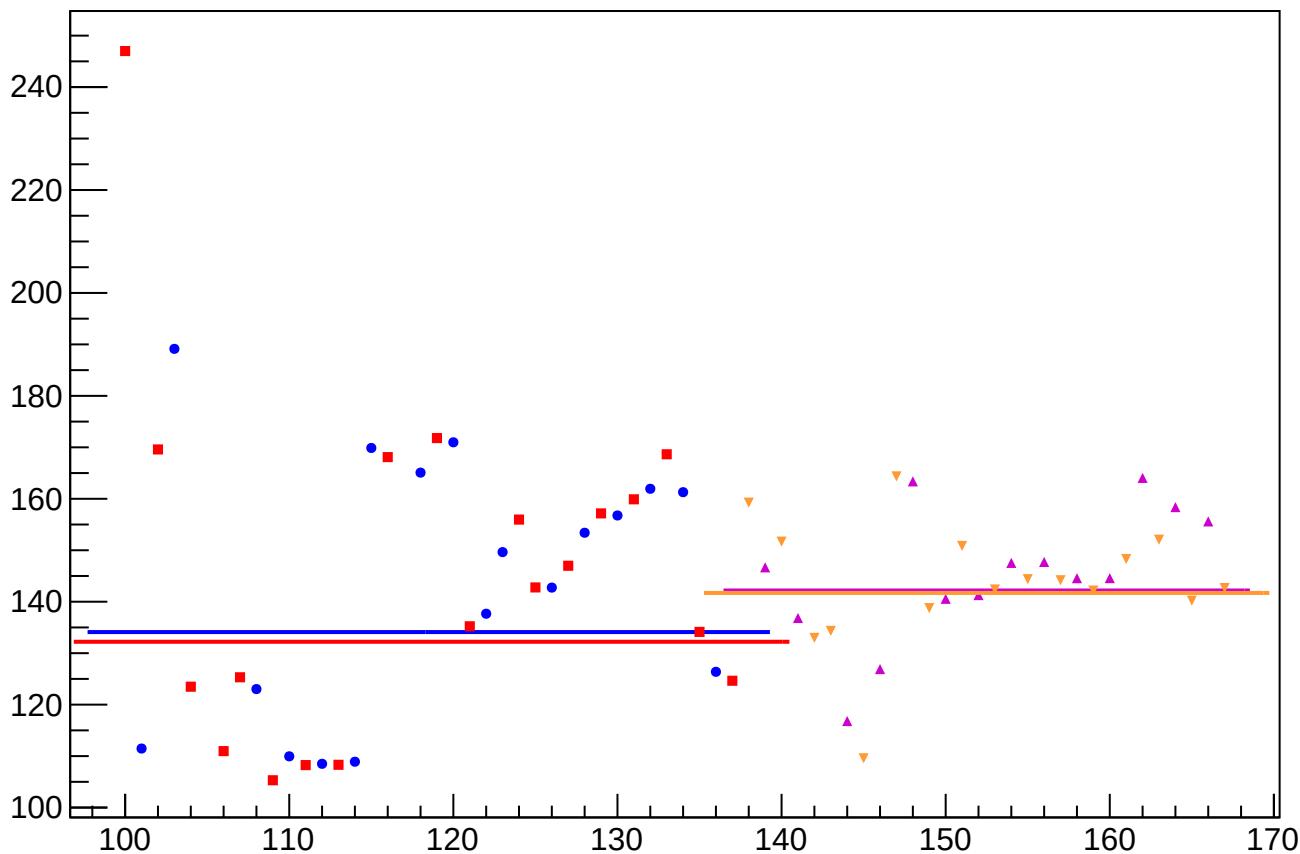
Right: -21.341 ± 36.657 χ^2/NDF : 32.2/35

In: -18.272 ± 33.555 χ^2/NDF : 29.4/30

Out: 43.944 ± 32.045 χ^2/NDF : 25.8/34

All: 14.266 ± 23.175 χ^2/NDF : 57.0/65

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 141.705+/-0.029 χ^2/NDF : 211458.8/15

Right Out: 132.219+/-0.036 χ^2/NDF : 441738.5/18

Left In: 142.181+/-0.031 χ^2/NDF : 186407.7/13

Left: 141.931+/-0.021 χ^2/NDF : 397993.0/29

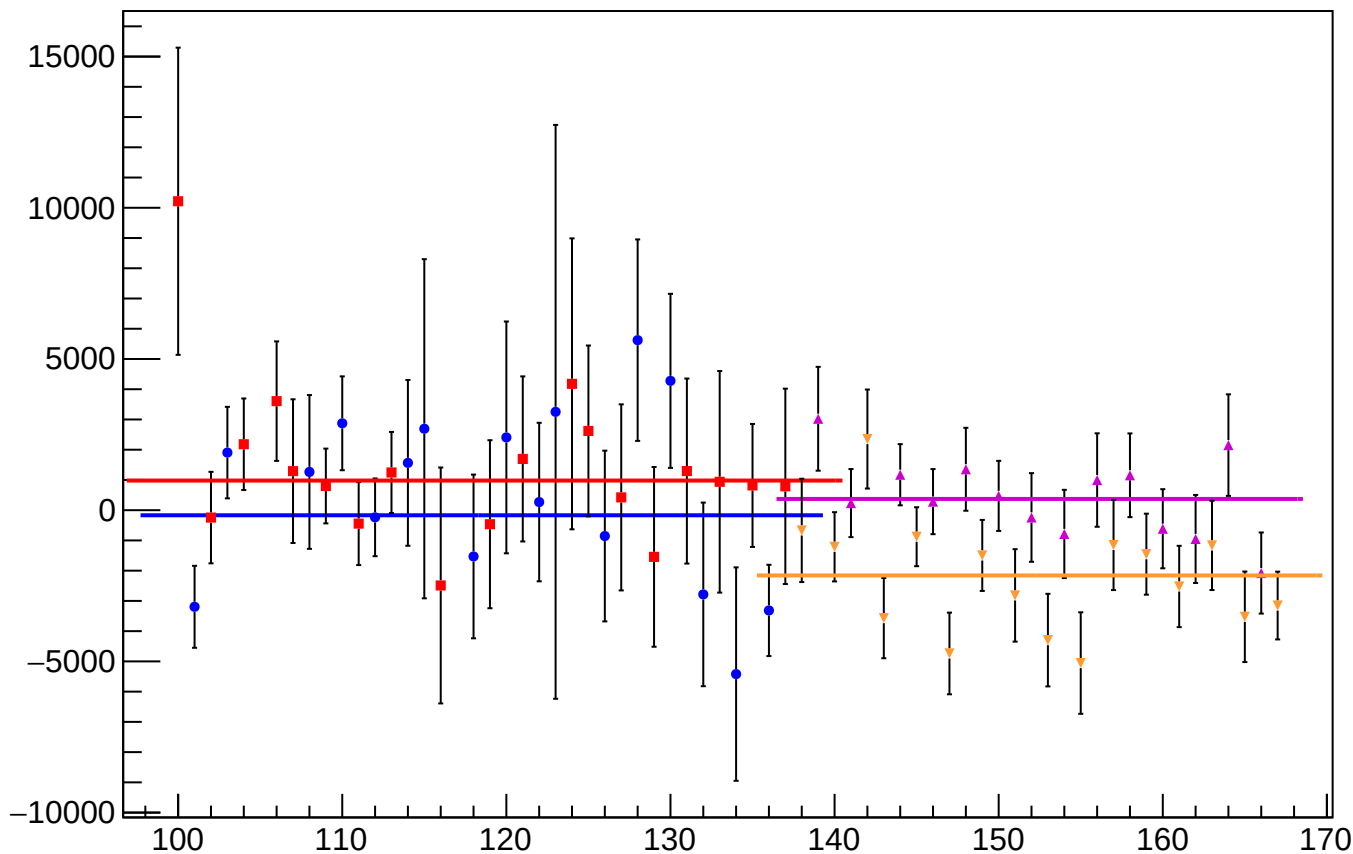
Right: 133.123+/-0.026 χ^2/NDF : 845638.9/35

In: 138.934+/-0.024 χ^2/NDF : 616853.1/30

Out: 137.933+/-0.023 χ^2/NDF : 695171.6/34

All: 138.411+/-0.016 χ^2/NDF : 1312954.7/65

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 $\chi^2/\text{NDF}: 25.3/16$

Left Out: -2157.853 ± 336.197 $\chi^2/\text{NDF}: 23.9/15$

Right Out: 980.517 ± 480.968 $\chi^2/\text{NDF}: 10.2/18$

Left In: 372.187 ± 351.616 $\chi^2/\text{NDF}: 10.7/13$

Left: -949.521 ± 242.995 $\chi^2/\text{NDF}: 61.6/29$

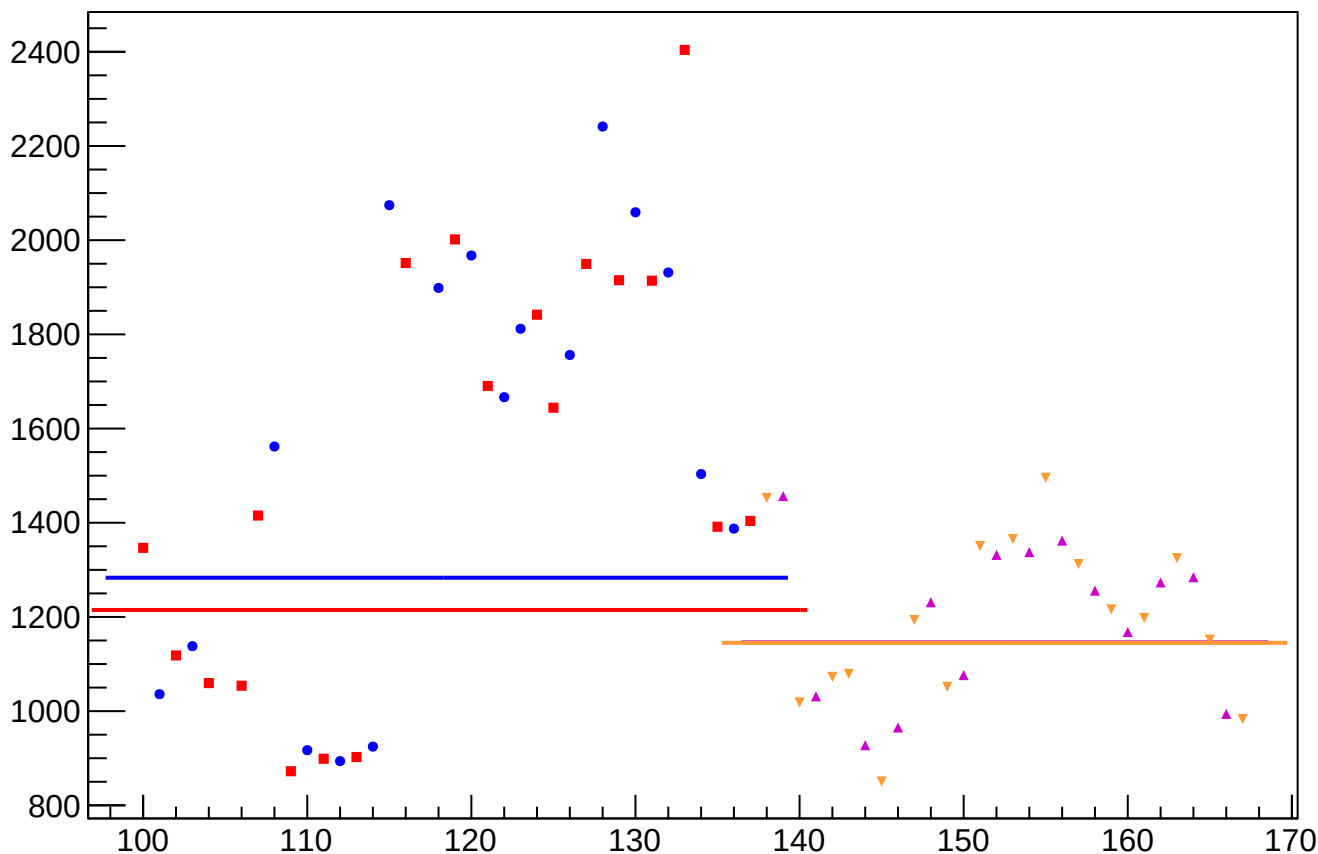
Right: 454.882 ± 354.232 $\chi^2/\text{NDF}: 38.1/35$

In: 204.255 ± 291.917 $\chi^2/\text{NDF}: 36.7/30$

Out: -1127.751 ± 275.553 $\chi^2/\text{NDF}: 62.7/34$

All: -500.128 ± 200.381 $\chi^2/\text{NDF}: 110.4/65$

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1145.065+/-0.238 χ^2/NDF : 565964.3/15

Right Out: 1214.883+/-0.340 χ^2/NDF : 1360860.3/18

Left In: 1146.165+/-0.249 χ^2/NDF : 424028.6/13

Left: 1145.590+/-0.172 χ^2/NDF : 990003.1/29

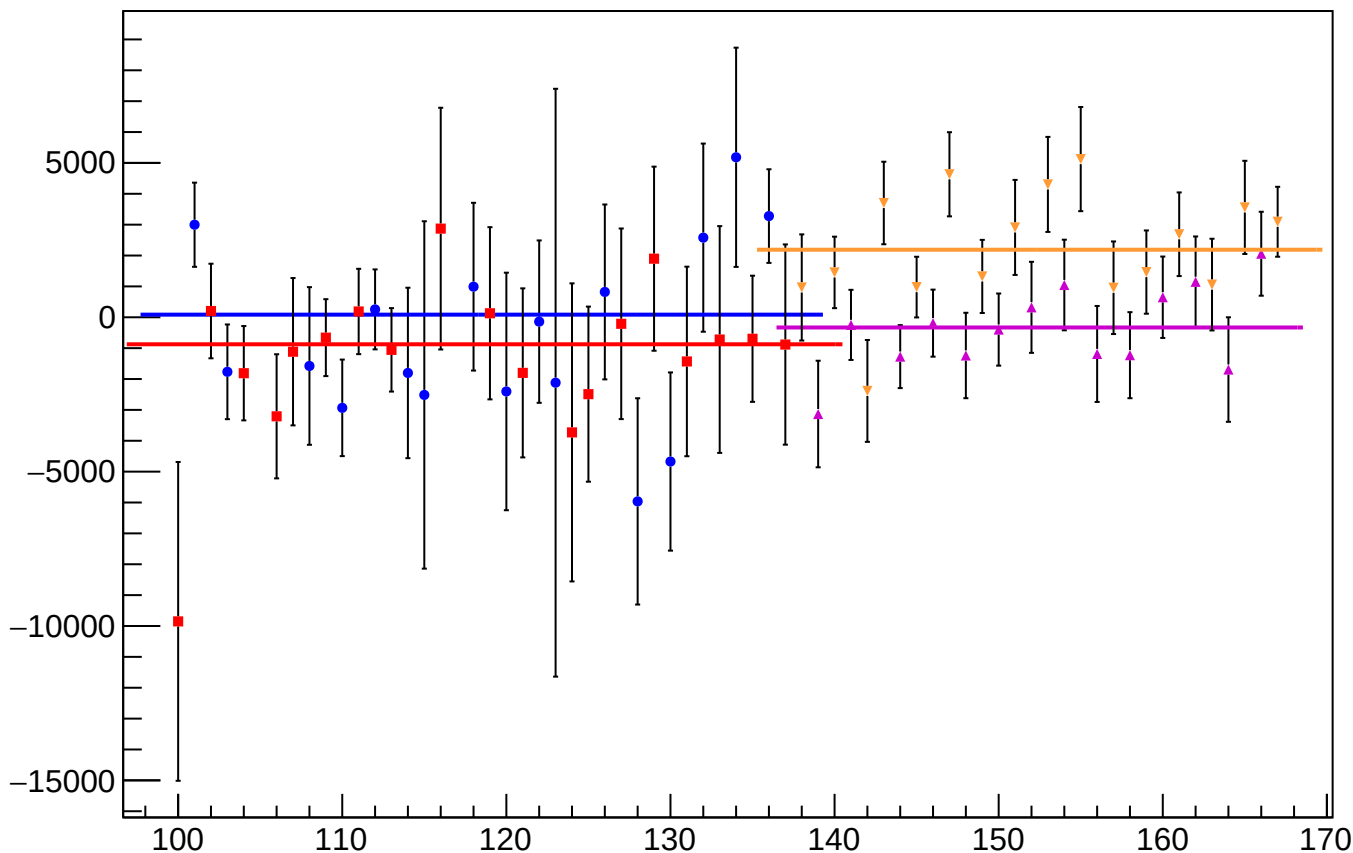
Right: 1246.197+/-0.250 χ^2/NDF : 2548819.1/35

In: 1188.784+/-0.206 χ^2/NDF : 1688018.9/30

Out: 1167.981+/-0.195 χ^2/NDF : 1955135.5/34

All: 1177.783+/-0.142 χ^2/NDF : 3648525.5/65

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 2188.578 ± 338.929 χ^2/NDF : 23.4/15

Right Out: -874.592 ± 484.647 χ^2/NDF : 8.7/18

Left In: -330.326 ± 354.485 χ^2/NDF : 11.0/13

Left: 985.607 ± 244.974 χ^2/NDF : 60.8/29

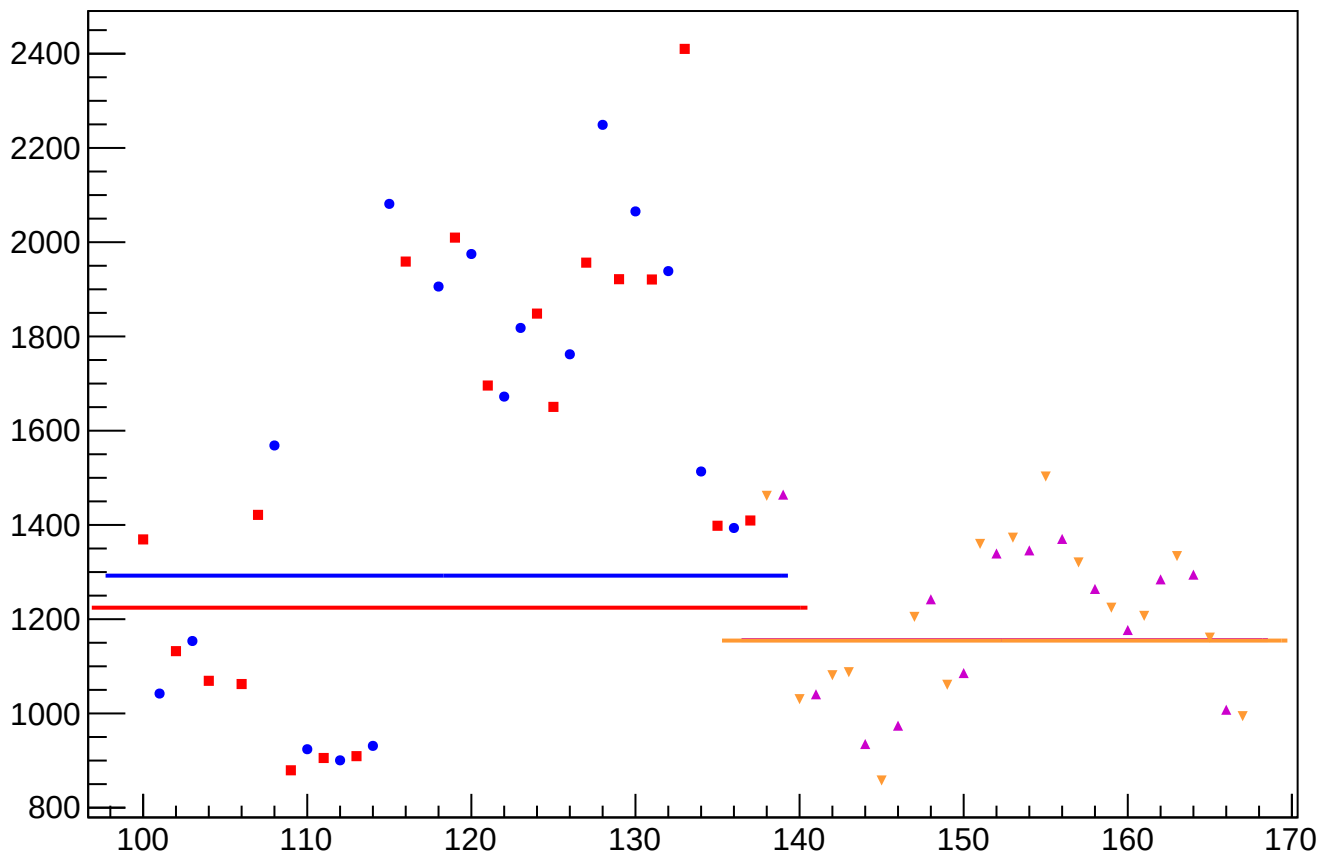
Right: -434.939 ± 356.757 χ^2/NDF : 35.2/35

In: -200.952 ± 294.149 χ^2/NDF : 36.2/30

Out: 1182.518 ± 277.748 χ^2/NDF : 58.9/34

All: 530.426 ± 201.947 χ^2/NDF : 106.8/65

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1154.652+/-0.240 χ^2/NDF : 556738.3/15

Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

Left In: 1155.753+/-0.251 χ^2/NDF : 416960.6/13

Left: 1155.177+/-0.173 χ^2/NDF : 973709.0/29

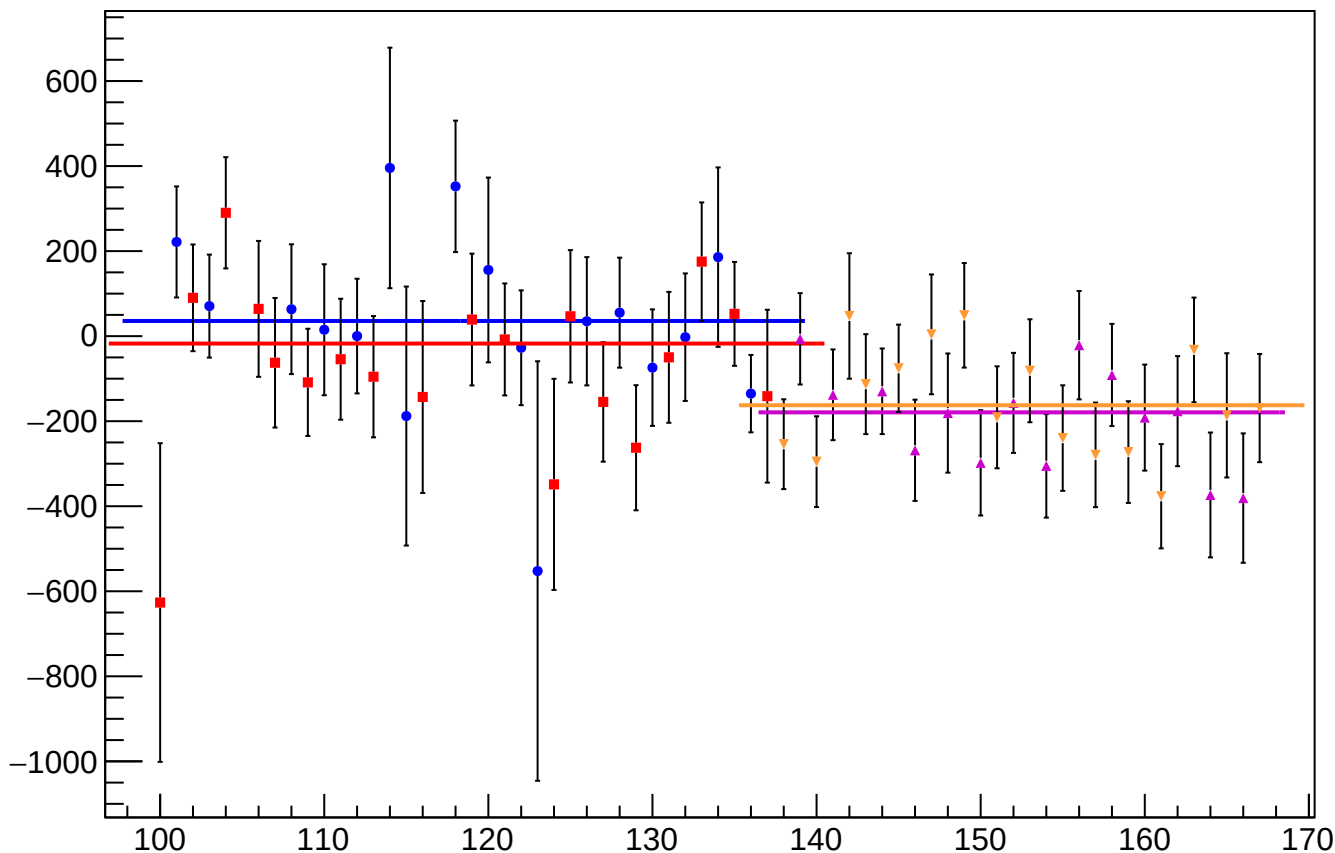
Right: 1255.580+/-0.252 χ^2/NDF : 2520360.3/35

In: 1198.319+/-0.208 χ^2/NDF : 1666129.6/30

Out: 1177.569+/-0.196 χ^2/NDF : 1930328.4/34

All: 1187.349+/-0.143 χ^2/NDF : 3601719.1/65

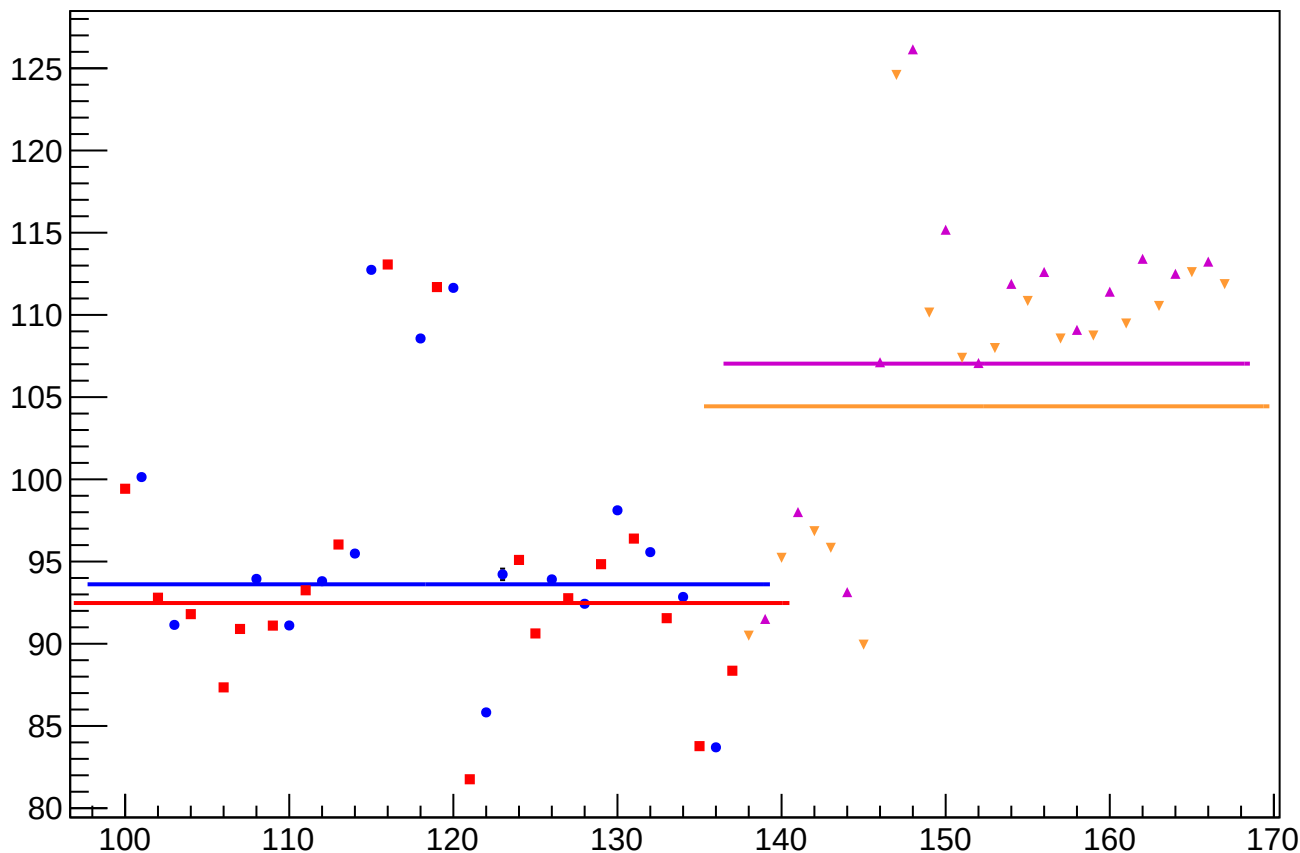
reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



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: -179.243 ± 32.548 $\chi^2/\text{NDF}: 11.2/13$

Left: -170.284 ± 22.189 $\chi^2/\text{NDF}: 27.7/29$
 Right: 7.891 ± 25.096 $\chi^2/\text{NDF}: 35.3/35$
 In: -83.607 ± 24.248 $\chi^2/\text{NDF}: 45.8/30$
 Out: -99.651 ± 22.833 $\chi^2/\text{NDF}: 45.2/34$
 All: -92.111 ± 16.623 $\chi^2/\text{NDF}: 91.3/65$

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: 107.036+/-0.023 χ^2/NDF : 161059.2/13

Left: 105.647+/-0.016 χ^2/NDF : 353245.8/29

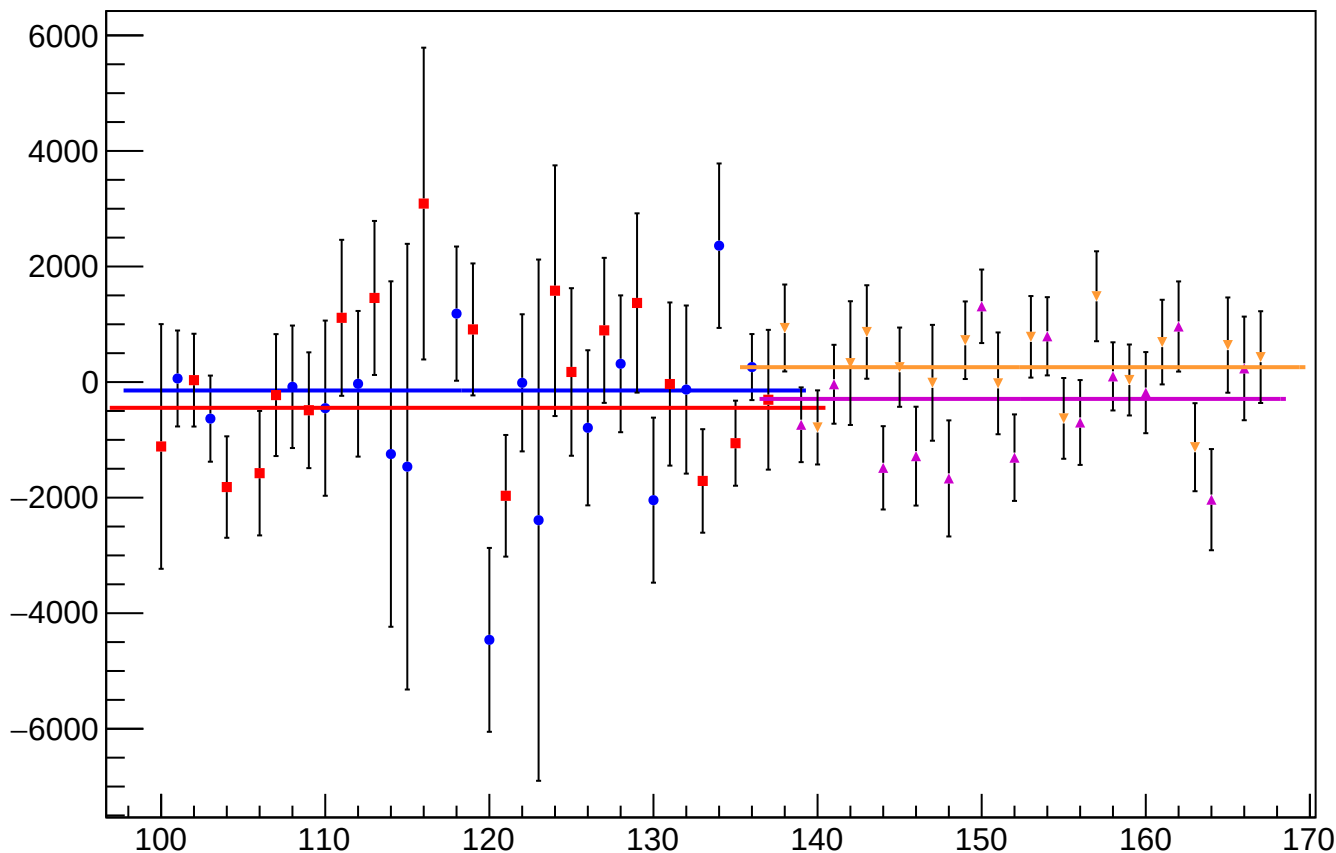
Right: 93.020+/-0.018 χ^2/NDF : 159546.8/35

In: 101.065+/-0.017 χ^2/NDF : 392293.7/30

Out: 99.258+/-0.016 χ^2/NDF : 398792.8/34

All: 100.107+/-0.012 χ^2/NDF : 796970.1/65

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: -291.309 ± 195.353 $\chi^2/\text{NDF}: 25.0/13$

Left: -6.522 ± 135.542 $\chi^2/\text{NDF}: 42.5/29$

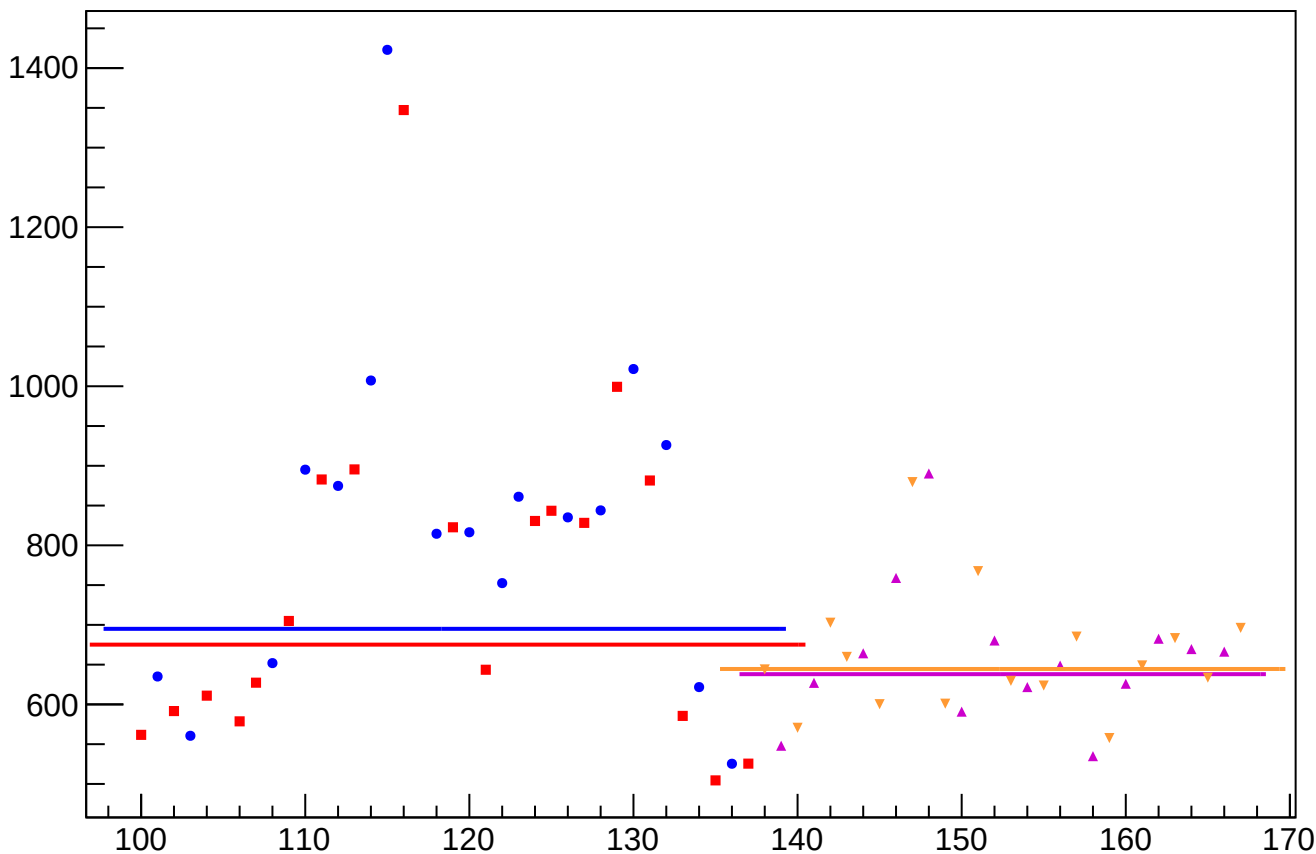
Right: -304.652 ± 189.560 $\chi^2/\text{NDF}: 35.1/35$

In: -242.778 ± 159.574 $\chi^2/\text{NDF}: 40.6/30$

Out: 16.304 ± 152.517 $\chi^2/\text{NDF}: 37.2/34$

All: -107.381 ± 110.256 $\chi^2/\text{NDF}: 79.2/65$

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014+/-0.196 χ^2/NDF : 677713.0/16

Left Out: 644.544+/-0.133 χ^2/NDF : 260986.7/15

Right Out: 675.151+/-0.184 χ^2/NDF : 676394.1/18

Left In: 638.020+/-0.138 χ^2/NDF : 299759.0/13

Left: 641.404+/-0.096 χ^2/NDF : 561902.6/29

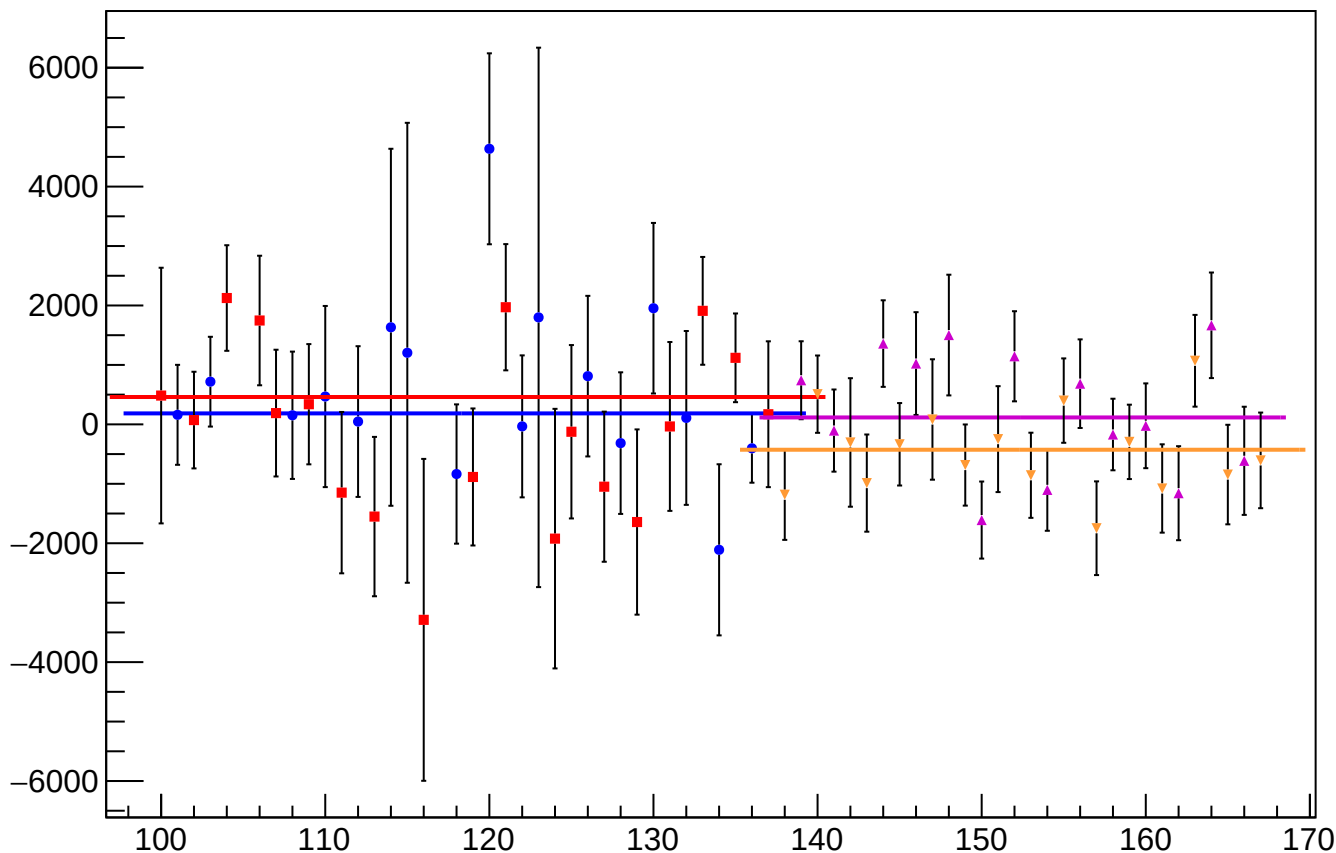
Right: 684.478+/-0.134 χ^2/NDF : 1359576.7/35

In: 656.985+/-0.113 χ^2/NDF : 1034117.8/30

Out: 655.054+/-0.108 χ^2/NDF : 955540.3/34

All: 655.976+/-0.078 χ^2/NDF : 1989811.2/65

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -426.898 $\pm$ 190.812 χ^2 /NDF:13.4/15

Right Out: 460.174 $\pm$ 262.960 χ^2 /NDF: 22.3/18

Left In: 116.390 $\pm$ 198.239 χ^2 /NDF:26.1/13

Left: -165.622 $\pm$ 137.475 χ^2 /NDF: 43.4/29

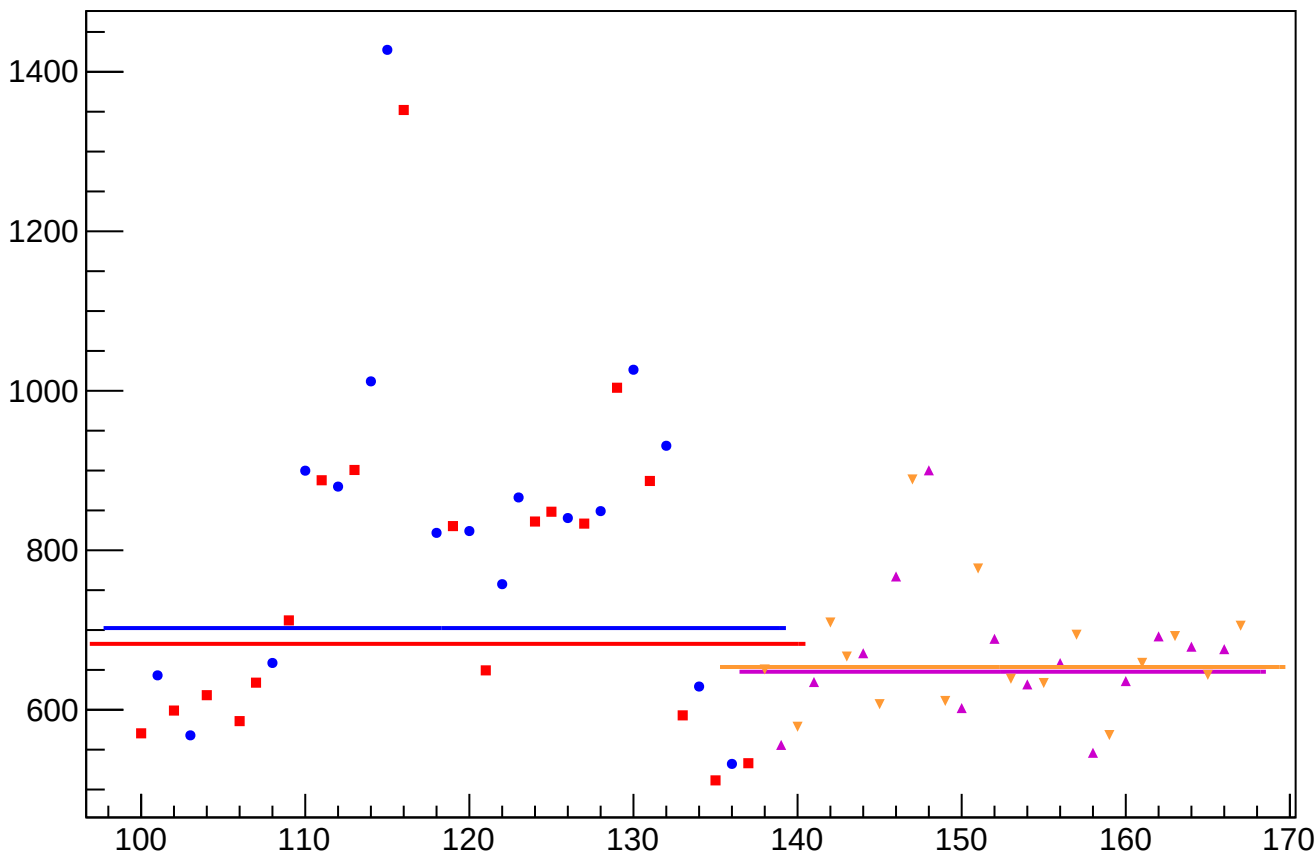
Right: 330.689 $\pm$ 191.486 χ^2 /NDF: 37.7/35

In: 139.204 $\pm$ 161.676 χ^2 /NDF:41.1/30

Out: -120.926 $\pm$ 154.437 χ^2 /NDF:43.1/34

All: 3.185 $\pm$ 111.675 χ^2 /NDF: 85.6/65

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: 647.698 +/- 0.140 χ^2/NDF : 289422.6/13

Left: 650.787 +/- 0.097 χ^2/NDF : 544497.1/29

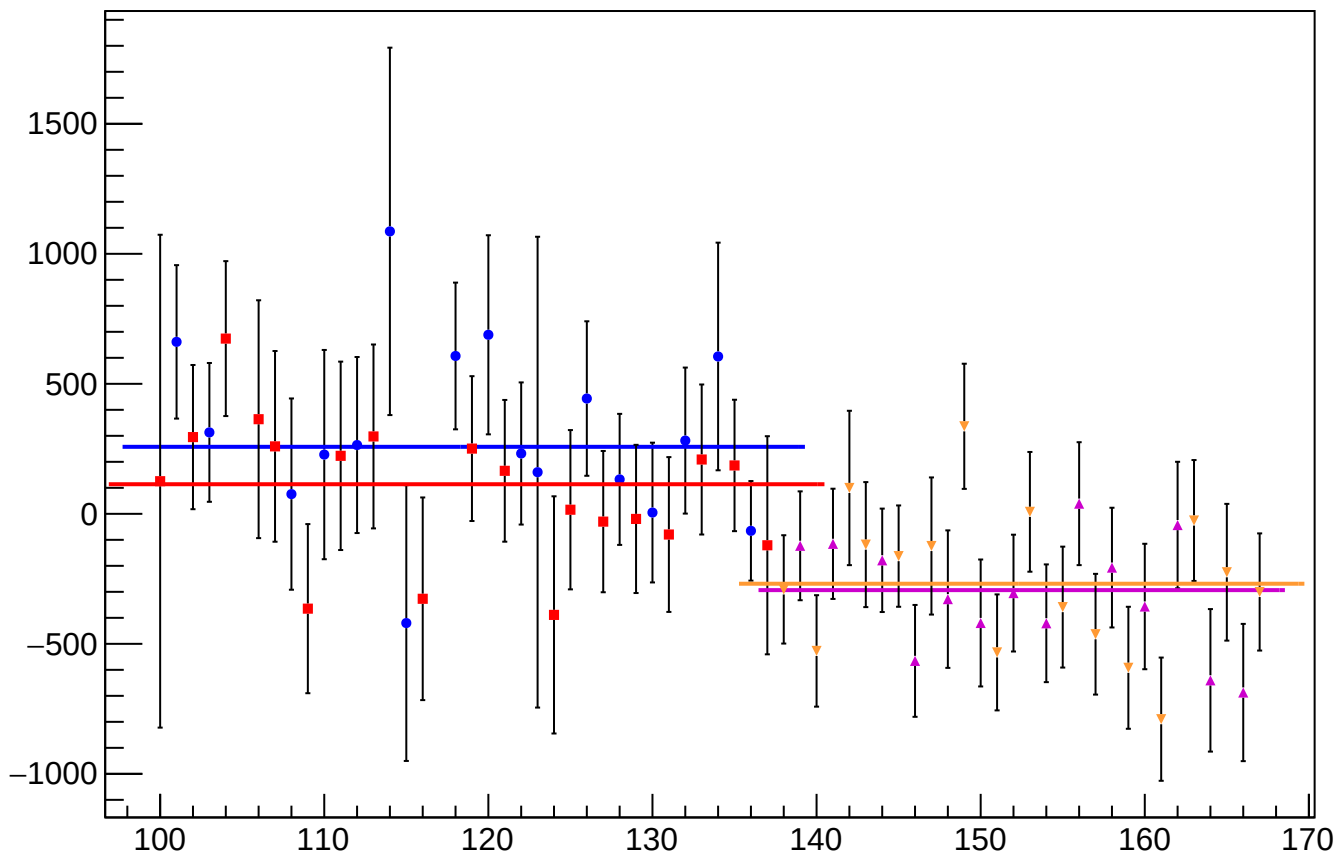
Right: 691.966 +/- 0.135 χ^2/NDF : 1325377.5/35

In: 666.039 +/- 0.114 χ^2/NDF : 1001071.1/30

Out: 663.655 +/- 0.109 χ^2/NDF : 929610.5/34

All: 664.793 +/- 0.079 χ^2/NDF : 1930908.8/65

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -268.834 $\pm$ 58.116 χ^2 /NDF:21.9/15

Right Out: 113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

Left In: -293.427 $\pm$ 61.912 χ^2 /NDF:11.0/13

Left: -280.354 $\pm$ 42.373 χ^2 /NDF: 33.0/29

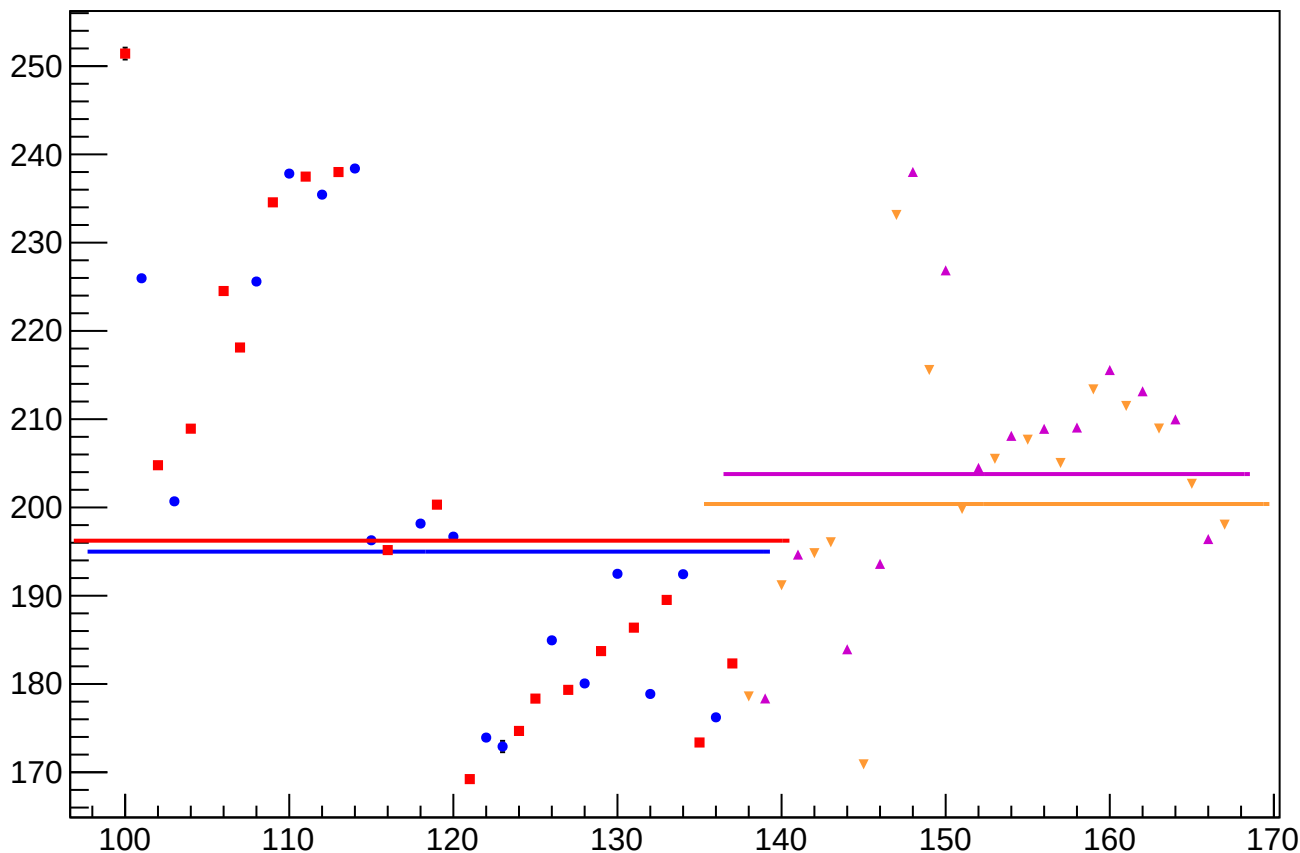
Right: 184.138 $\pm$ 53.073 χ^2 /NDF: 26.1/35

In: -73.333 $\pm$ 47.983 χ^2 /NDF:55.6/30

Out: -123.360 $\pm$ 45.755 χ^2 /NDF:49.6/34

All: -99.535 $\pm$ 33.114 χ^2 /NDF: 105.8/65

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: 203.782 $\pm$ 0.044 χ^2 /NDF:122034.5/13

Left: 201.979 $\pm$ 0.030 χ^2 /NDF: 254143.6/29

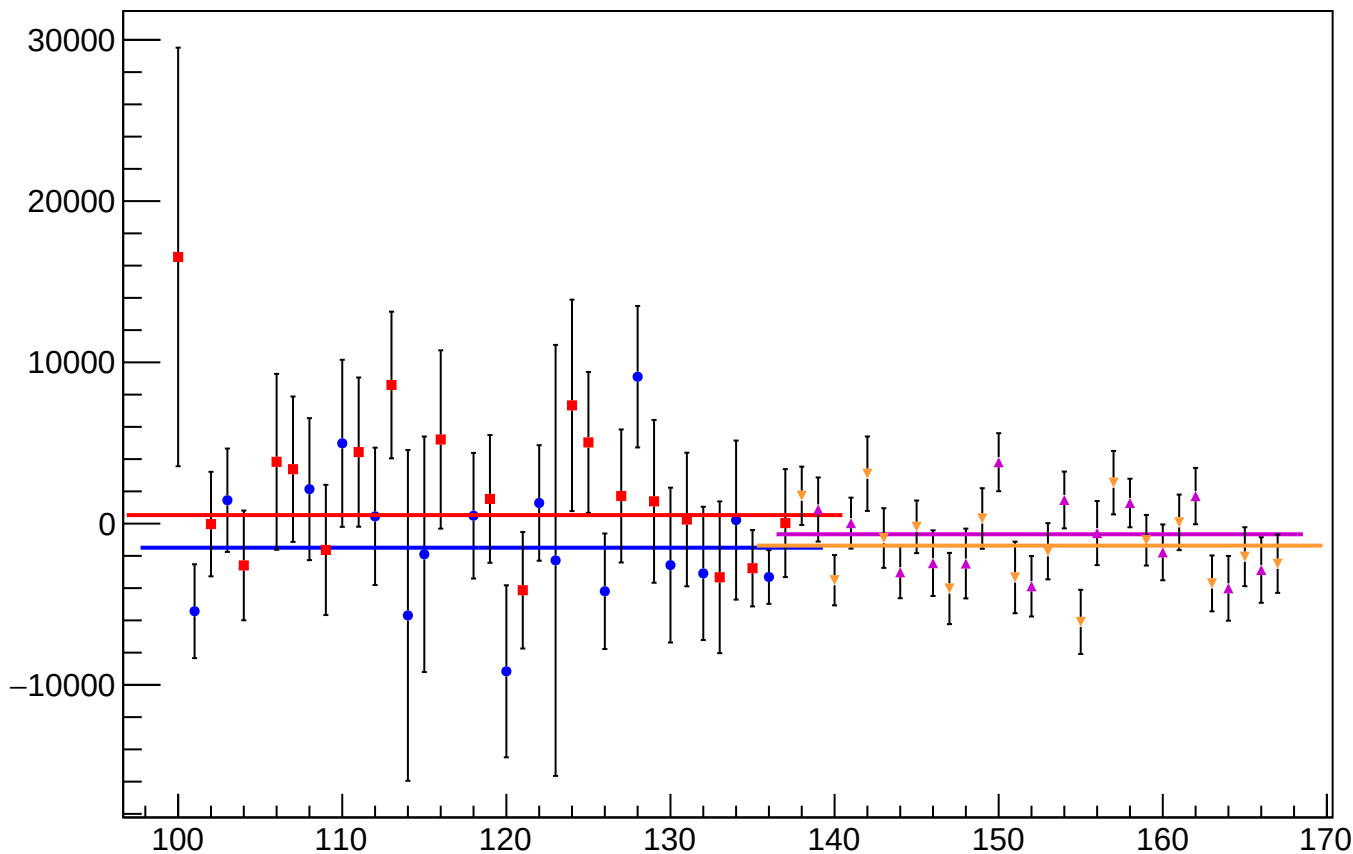
Right: 195.629 $\pm$ 0.038 χ^2 /NDF: 318035.8/35

In: 200.273 $\pm$ 0.034 χ^2 /NDF:282397.1/30

Out: 198.811 $\pm$ 0.032 χ^2 /NDF:306297.0/34

All: 199.507 $\pm$ 0.023 χ^2 /NDF: 589666.8/65

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280+/-910.834 χ^2/NDF : 16.1/16

Left Out: -1363.372+/-457.138 χ^2/NDF : 24.9/15

Right Out: 528.758+/-934.718 χ^2/NDF : 14.6/18

Left In: -661.170+/-484.610 χ^2/NDF : 22.9/13

Left: -1032.738+/-332.533 χ^2/NDF : 48.9/29

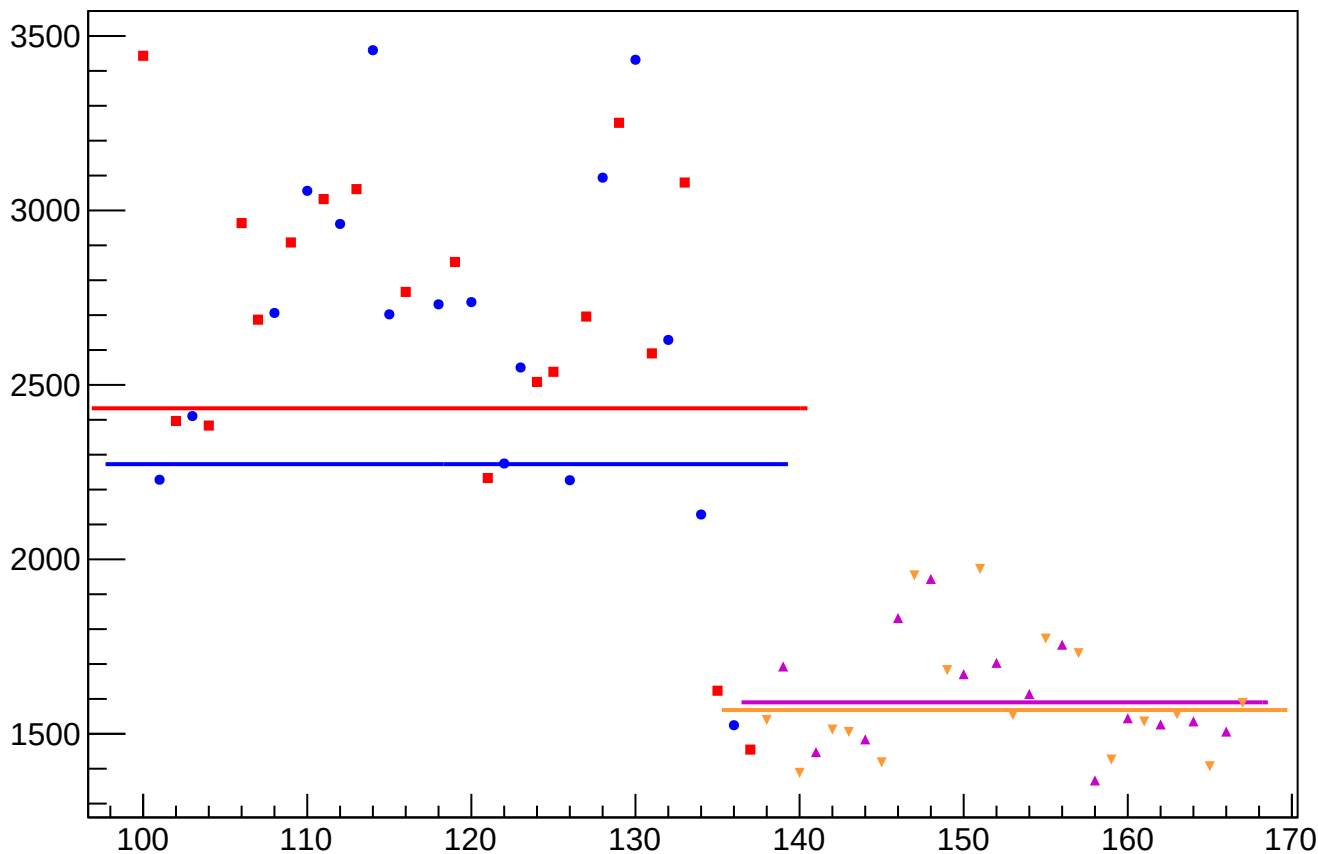
Right: -508.424+/-652.337 χ^2/NDF : 33.2/35

In: -844.754+/-427.824 χ^2/NDF : 39.7/30

Out: -998.157+/-410.657 χ^2/NDF : 42.8/34

All: -924.595+/-296.261 χ^2/NDF : 82.6/65

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: 1590.180+/-0.343 χ^2/NDF : 190598.9/13

Left: 1578.493+/-0.235 χ^2/NDF : 443216.8/29

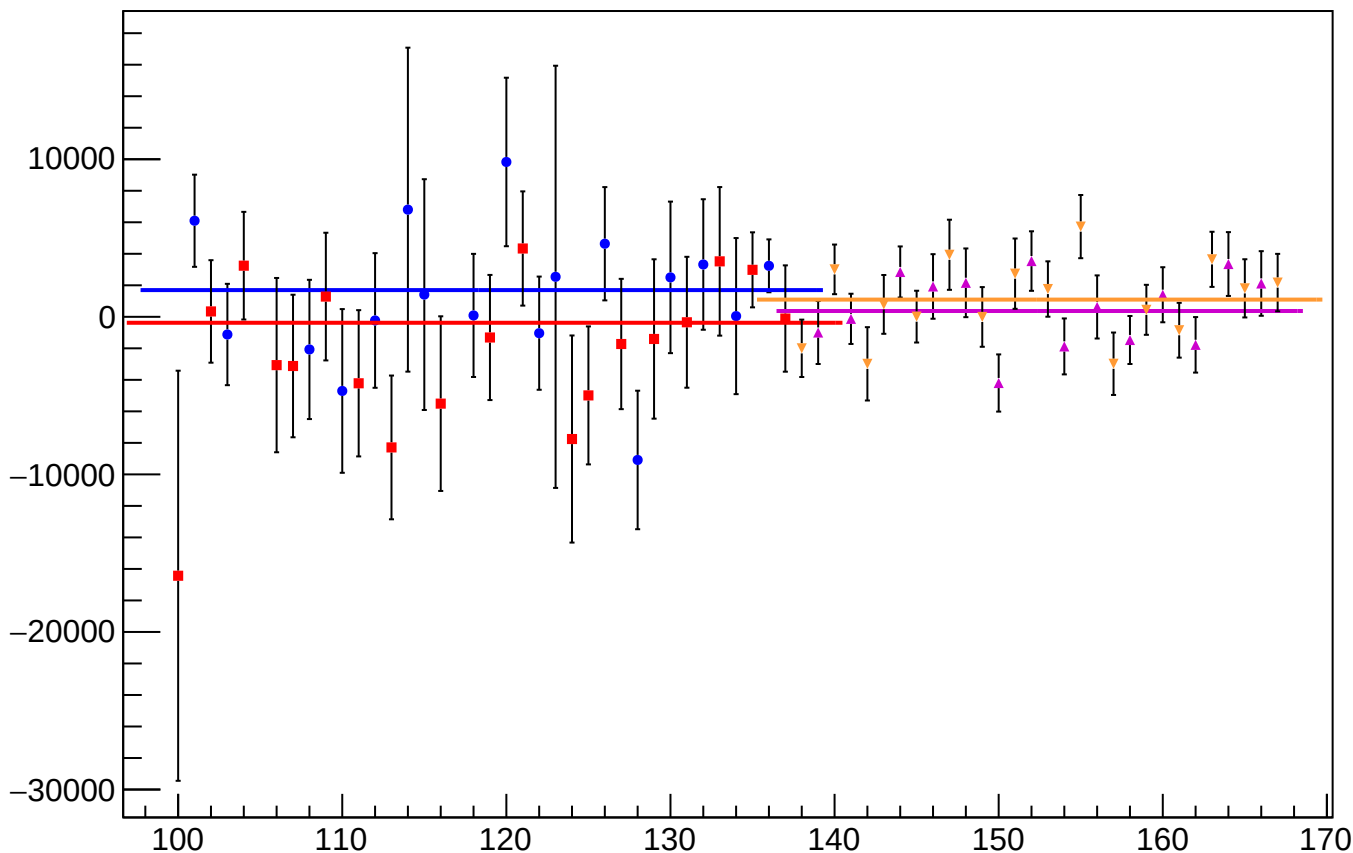
Right: 2350.846+/-0.461 χ^2/NDF : 1516518.2/35

In: 1740.801+/-0.303 χ^2/NDF : 1871965.1/30

Out: 1735.027+/-0.290 χ^2/NDF : 2312923.3/34

All: 1737.796+/-0.209 χ^2/NDF : 4185078.1/65

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: 369.241 $\pm$ 488.777 χ^2 /NDF:21.1/13

Left: 752.165 $\pm$ 335.373 χ^2 /NDF: 46.4/29

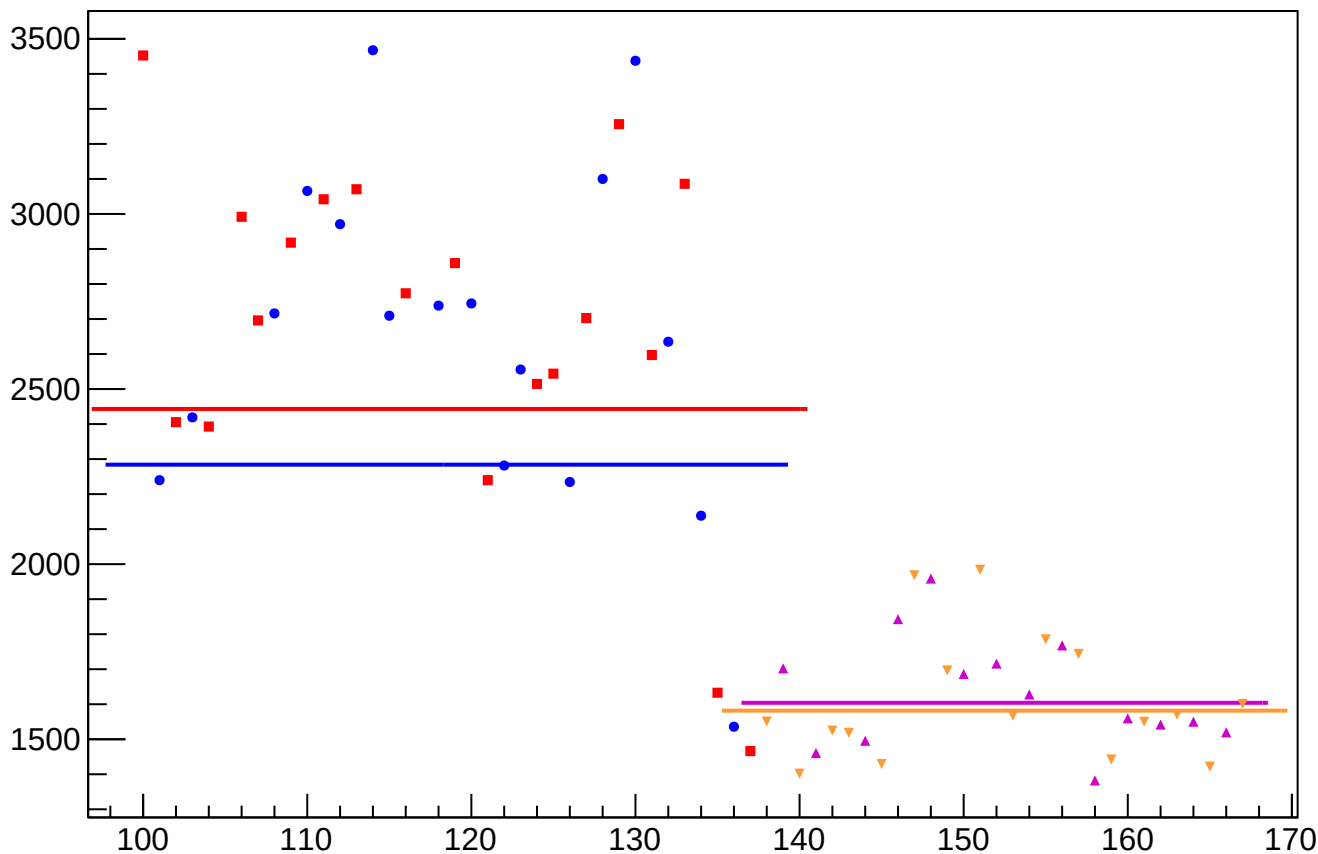
Right: 685.645 $\pm$ 655.109 χ^2 /NDF: 34.1/35

In: 663.848 $\pm$ 431.106 χ^2 /NDF:39.4/30

Out: 806.991 $\pm$ 413.791 χ^2 /NDF:41.1/34

All: 738.352 $\pm$ 298.528 χ^2 /NDF: 80.5/65

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1581.687 $\pm$ 0.326 χ^2 /NDF: 245694.0/15

Right Out: 2443.124 $\pm$ 0.664 χ^2 /NDF: 672899.9/18

Left In: 1604.124 $\pm$ 0.346 χ^2 /NDF: 185884.5/13

Left: 1592.250 $\pm$ 0.237 χ^2 /NDF: 433808.8/29

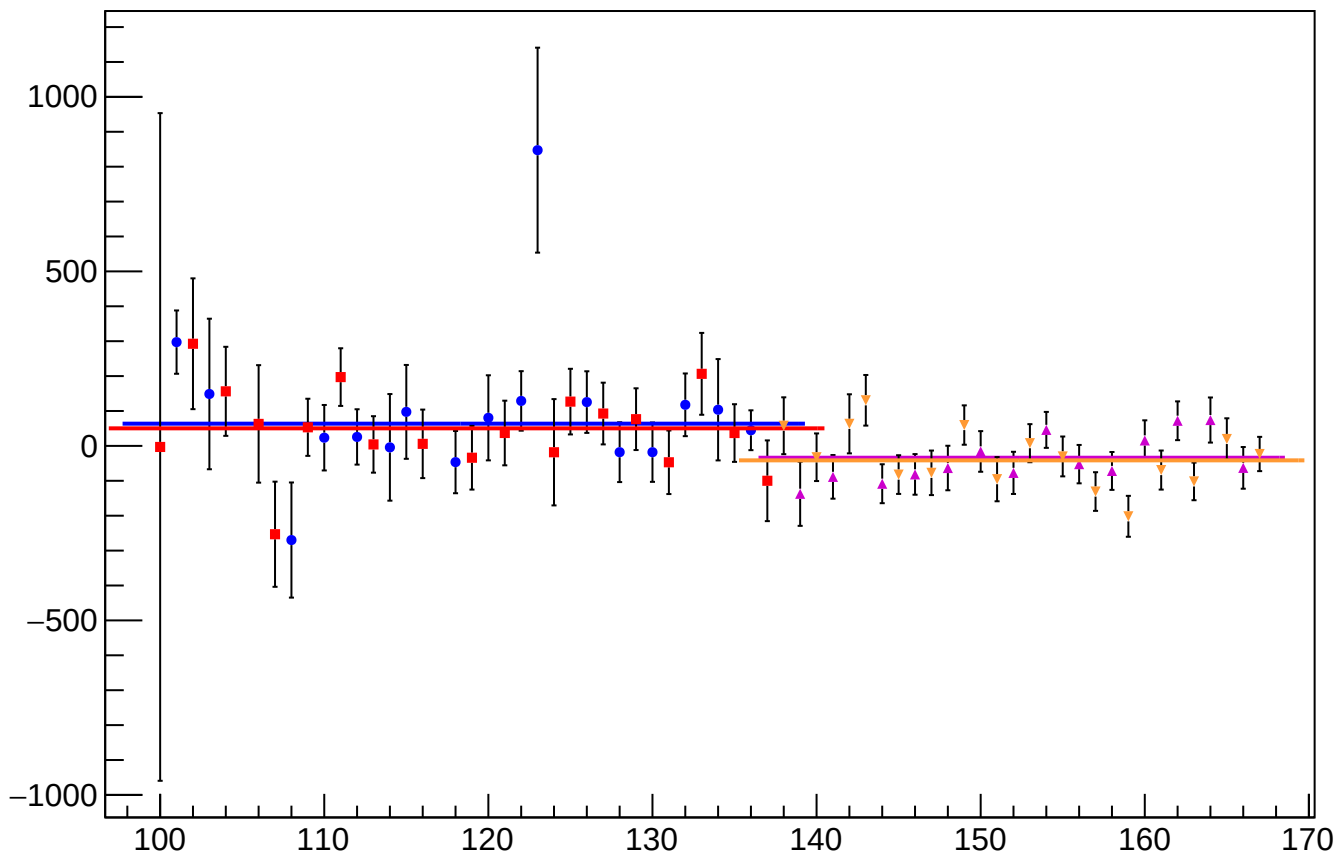
Right: 2361.583 $\pm$ 0.463 χ^2 /NDF: 1496334.9/35

In: 1755.118 $\pm$ 0.305 χ^2 /NDF: 1839415.8/30

Out: 1749.139 $\pm$ 0.293 χ^2 /NDF: 2275996.6/34

All: 1752.006 $\pm$ 0.211 χ^2 /NDF: 4115612.6/65

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: -33.914+/-15.817 χ^2/NDF :15.7/13

Left: -37.876+/-10.879 χ^2/NDF : 42.9/29

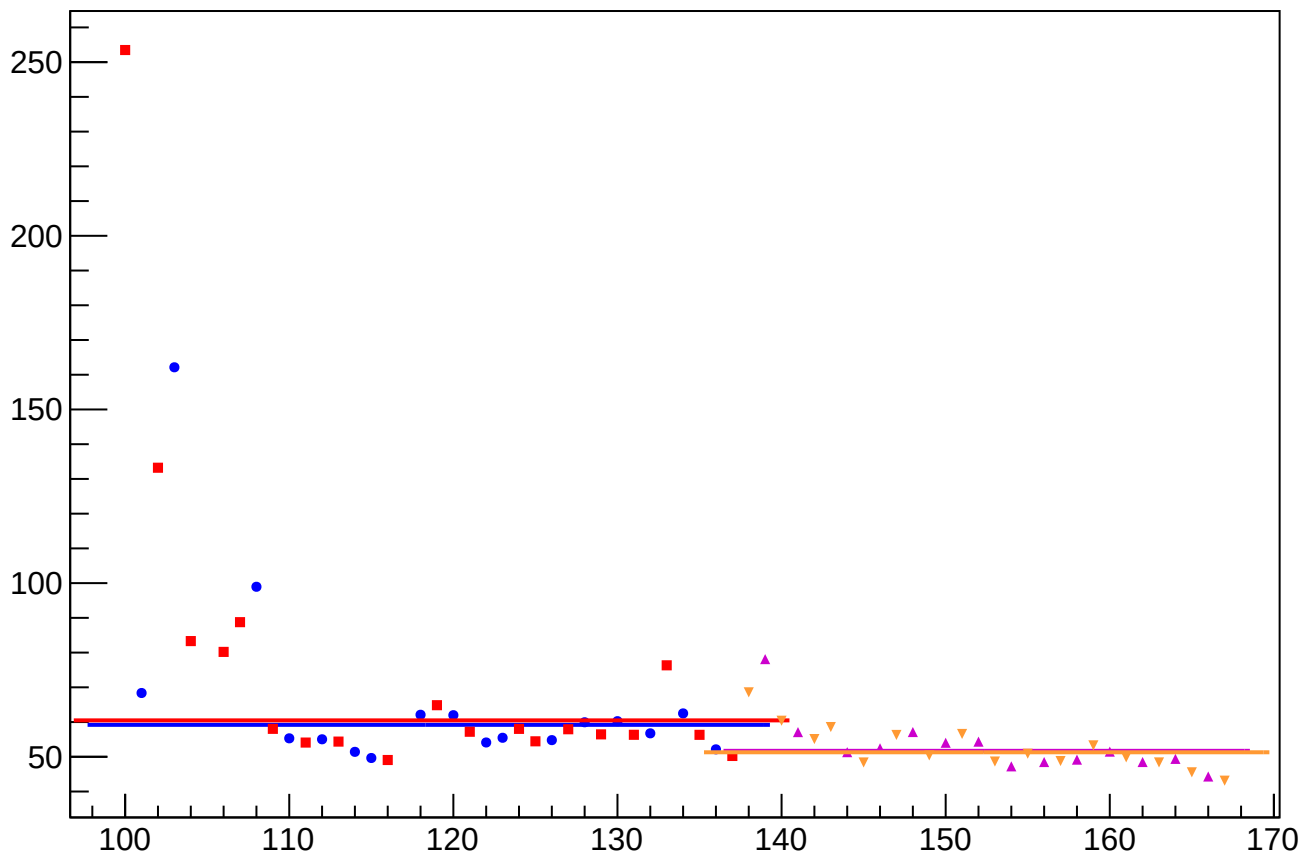
Right: 56.949+/-16.760 χ^2/NDF : 40.6/35

In: -3.920+/-13.163 χ^2/NDF :51.1/30

Out: -15.176+/-12.660 χ^2/NDF :54.6/34

All: -9.767+/-9.125 χ^2/NDF : 106.1/65

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 51.297+/-0.011 χ^2/NDF : 274532.2/15

Right Out: 60.483+/-0.017 χ^2/NDF : 680059.5/18

Left In: 51.712+/-0.011 χ^2/NDF : 267975.6/13

Left: 51.493+/-0.008 χ^2/NDF : 543230.3/29

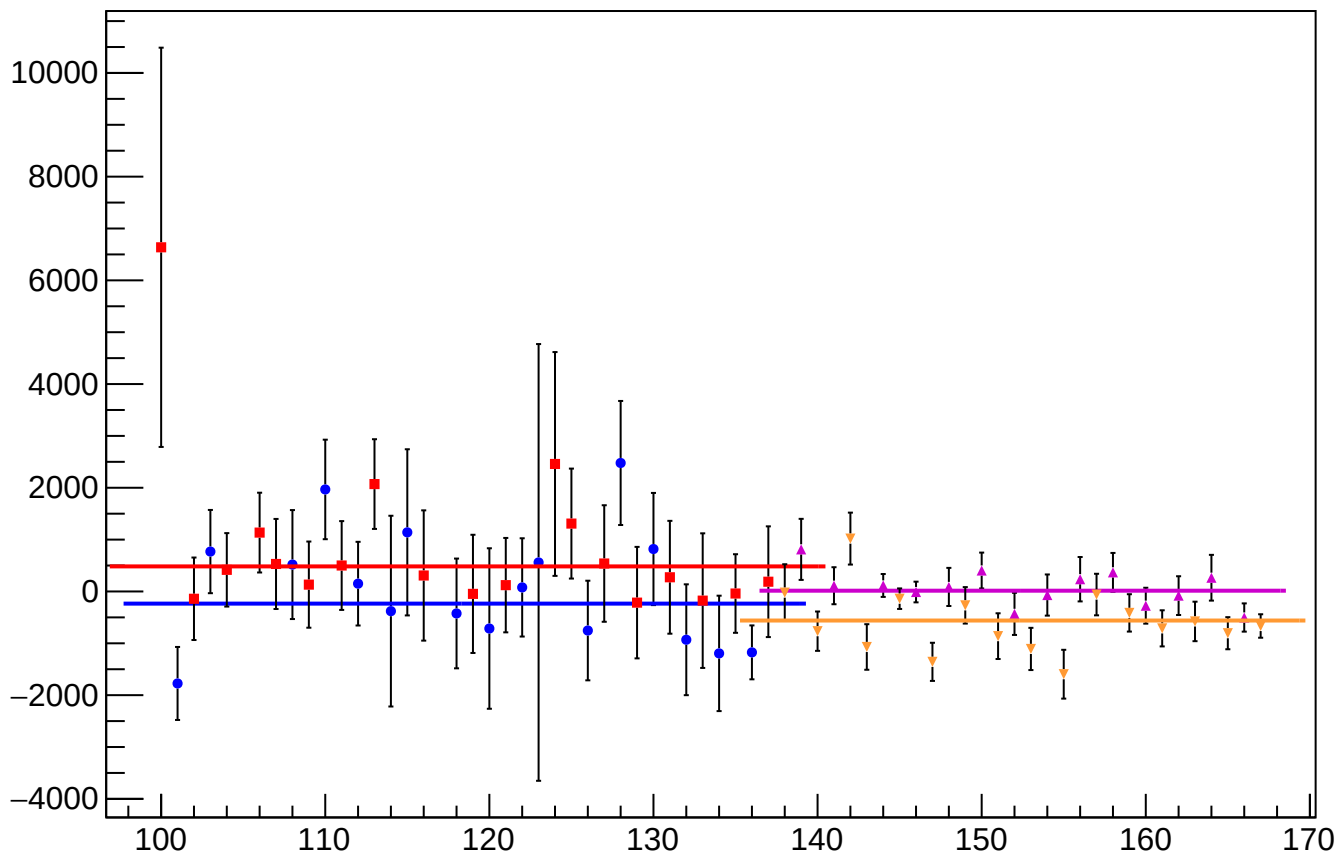
Right: 59.844+/-0.012 χ^2/NDF : 1348461.0/35

In: 54.014+/-0.009 χ^2/NDF : 1071263.8/30

Out: 53.927+/-0.009 χ^2/NDF : 1169723.2/34

All: 53.969+/-0.006 χ^2/NDF : 2241031.5/65

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: 14.657 ± 87.277 χ^2/NDF : 10.5/13

Left: -277.216 ± 61.257 χ^2/NDF : 64.9/29

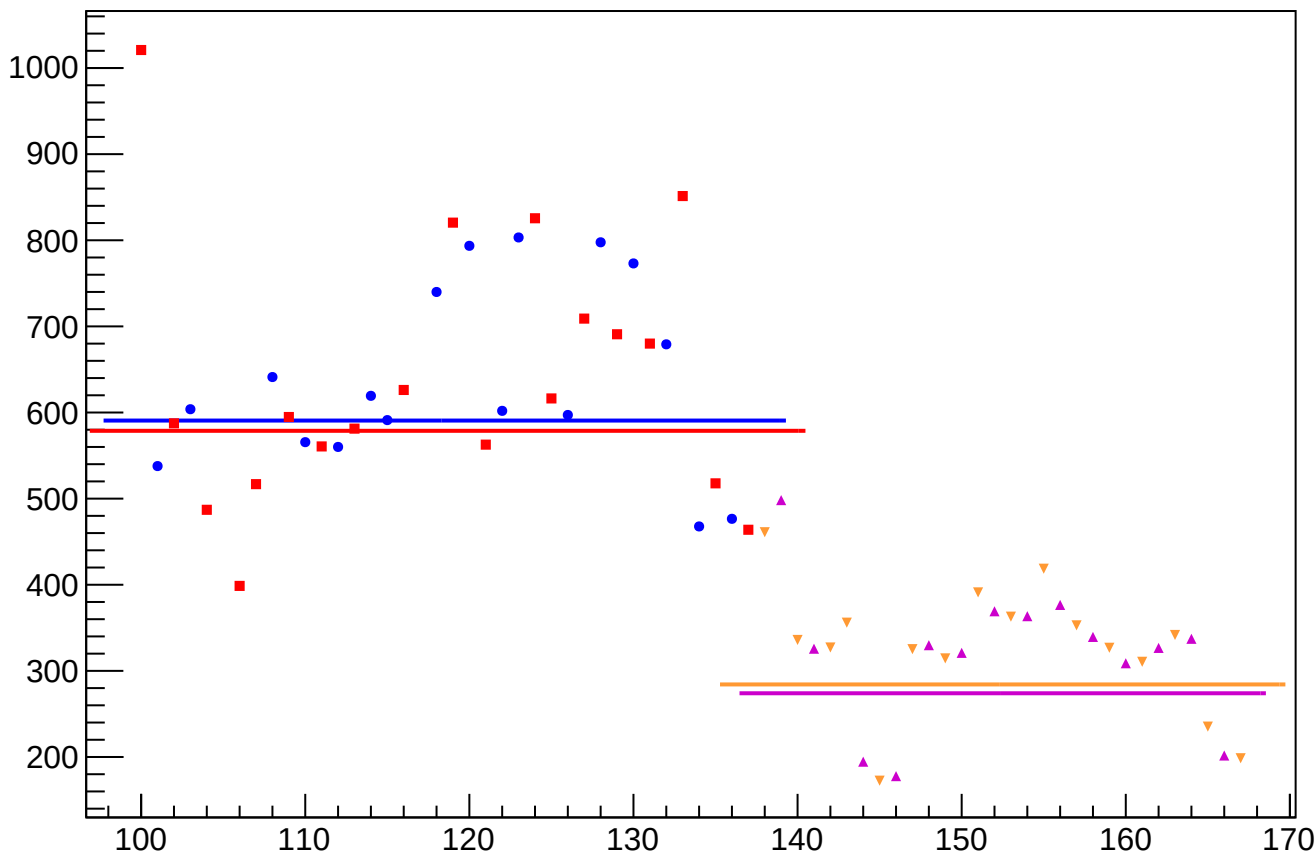
Right: 142.594 ± 161.133 χ^2/NDF : 39.7/35

In: -15.797 ± 81.769 χ^2/NDF : 35.7/30

Out: -424.721 ± 80.206 χ^2/NDF : 62.1/34

All: -224.205 ± 57.259 χ^2/NDF : 110.6/65

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 284.246 $\pm$ 0.061 χ^2 /NDF: 1826821.4/15

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

Left In: 273.995 $\pm$ 0.062 χ^2 /NDF: 1769152.5/13

Left: 279.196 $\pm$ 0.043 χ^2 /NDF: 3609972.4/29

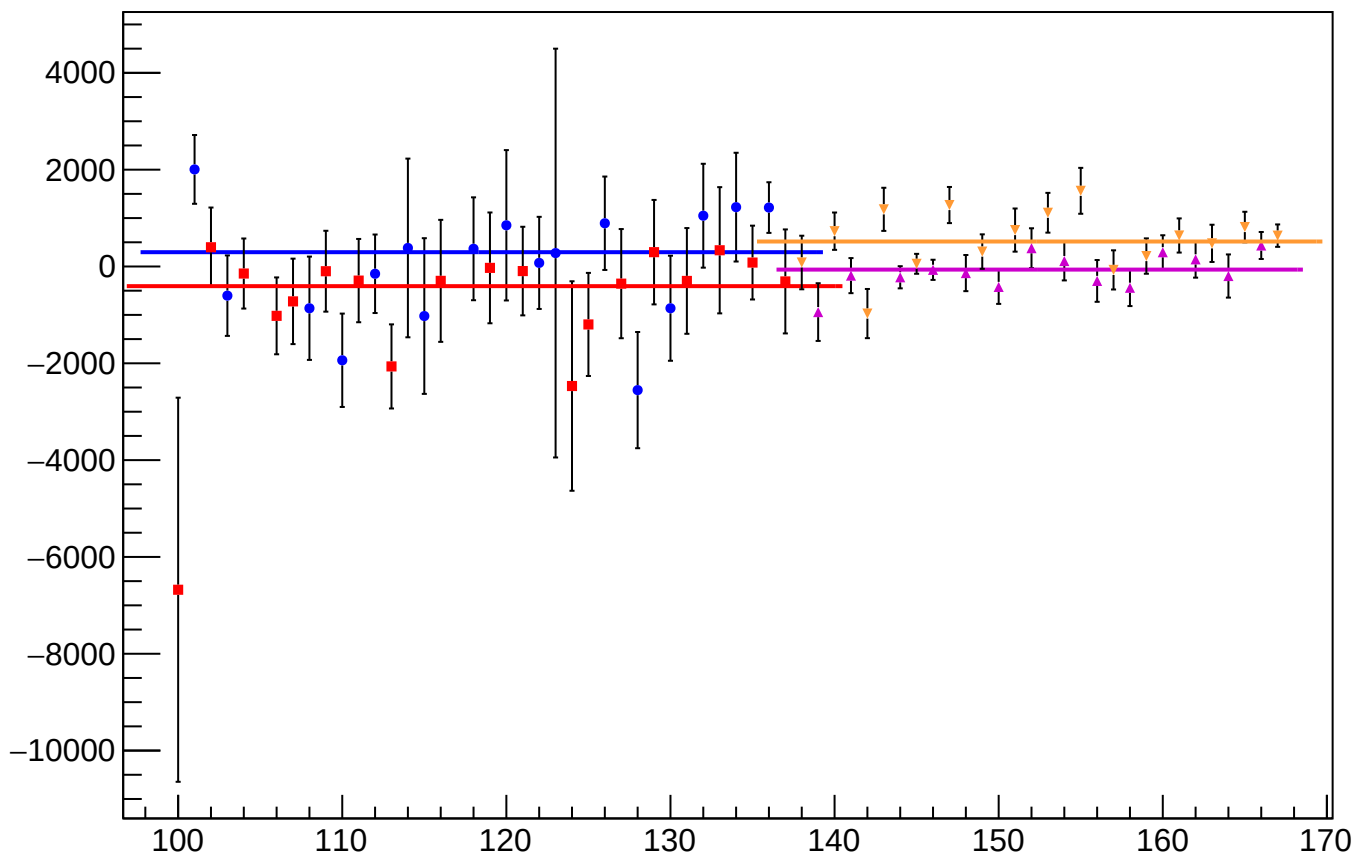
Right: 584.404 $\pm$ 0.114 χ^2 /NDF: 848765.8/35

In: 312.703 $\pm$ 0.058 χ^2 /NDF: 5339479.8/30

Out: 322.580 $\pm$ 0.057 χ^2 /NDF: 5373775.9/34

All: 317.736 $\pm$ 0.040 χ^2 /NDF: 10728127.9/65

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: -64.275 $\pm$ 89.299 χ^2/NDF :11.1/13

Left: 231.290 $\pm$ 62.558 χ^2/NDF : 65.1/29

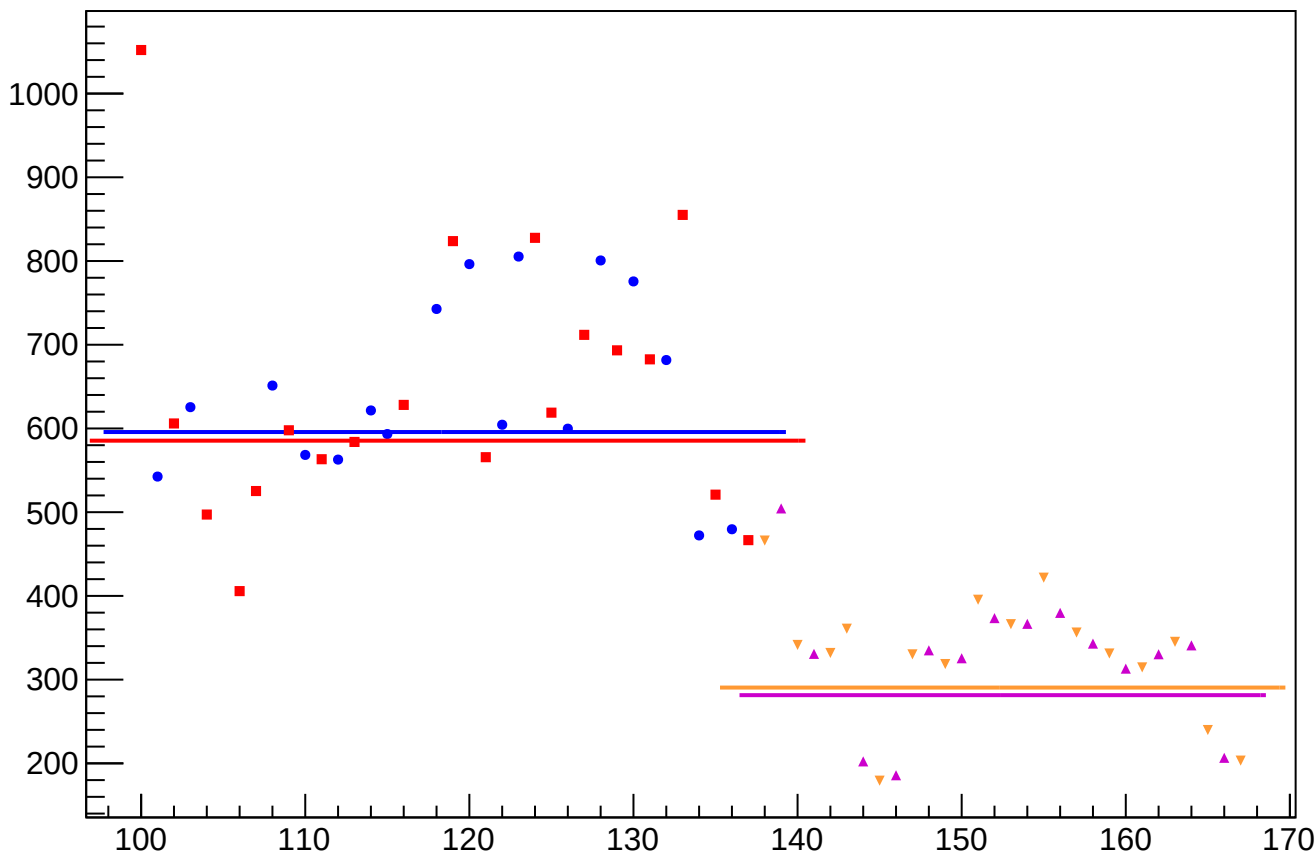
Right: -72.128 $\pm$ 162.748 χ^2/NDF : 41.7/35

In: -19.182 $\pm$ 83.513 χ^2/NDF :39.2/30

Out: 394.444 $\pm$ 81.676 χ^2/NDF :58.1/34

All: 192.230 $\pm$ 58.393 χ^2/NDF : 109.9/65

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 ± 0.167 $\chi^2/\text{NDF}: 350058.2/16$

Left Out: 290.525 ± 0.062 $\chi^2/\text{NDF}: 1714099.2/15$

Right Out: 585.421 ± 0.159 $\chi^2/\text{NDF}: 474472.3/18$

Left In: 281.451 ± 0.063 $\chi^2/\text{NDF}: 1627700.9/13$

Left: 286.072 ± 0.044 $\chi^2/\text{NDF}: 3352316.9/29$

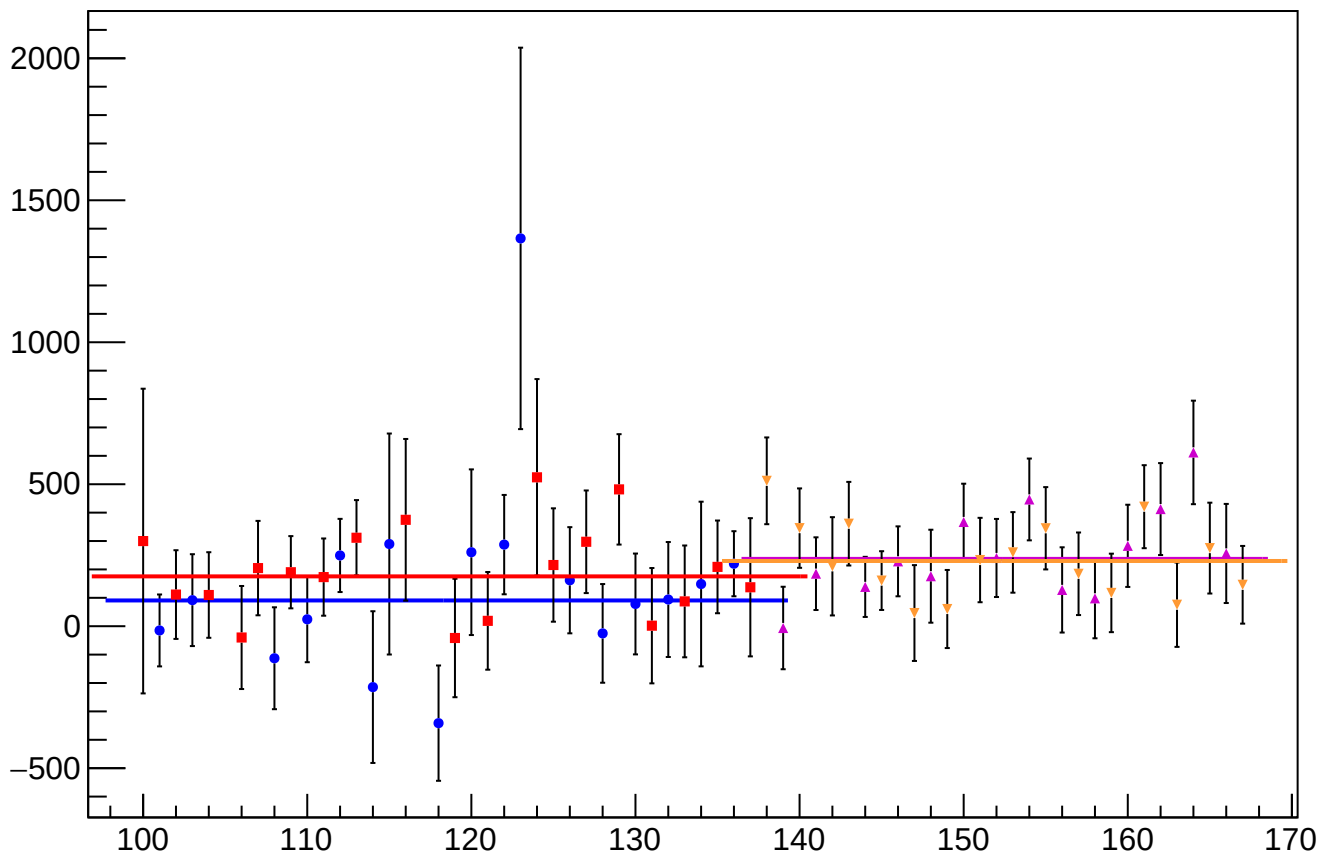
Right: 590.331 ± 0.115 $\chi^2/\text{NDF}: 826533.5/35$

In: 320.853 ± 0.059 $\chi^2/\text{NDF}: 5083642.4/30$

Out: 329.435 ± 0.058 $\chi^2/\text{NDF}: 5174729.5/34$

All: 325.239 ± 0.041 $\chi^2/\text{NDF}: 10269165.8/65$

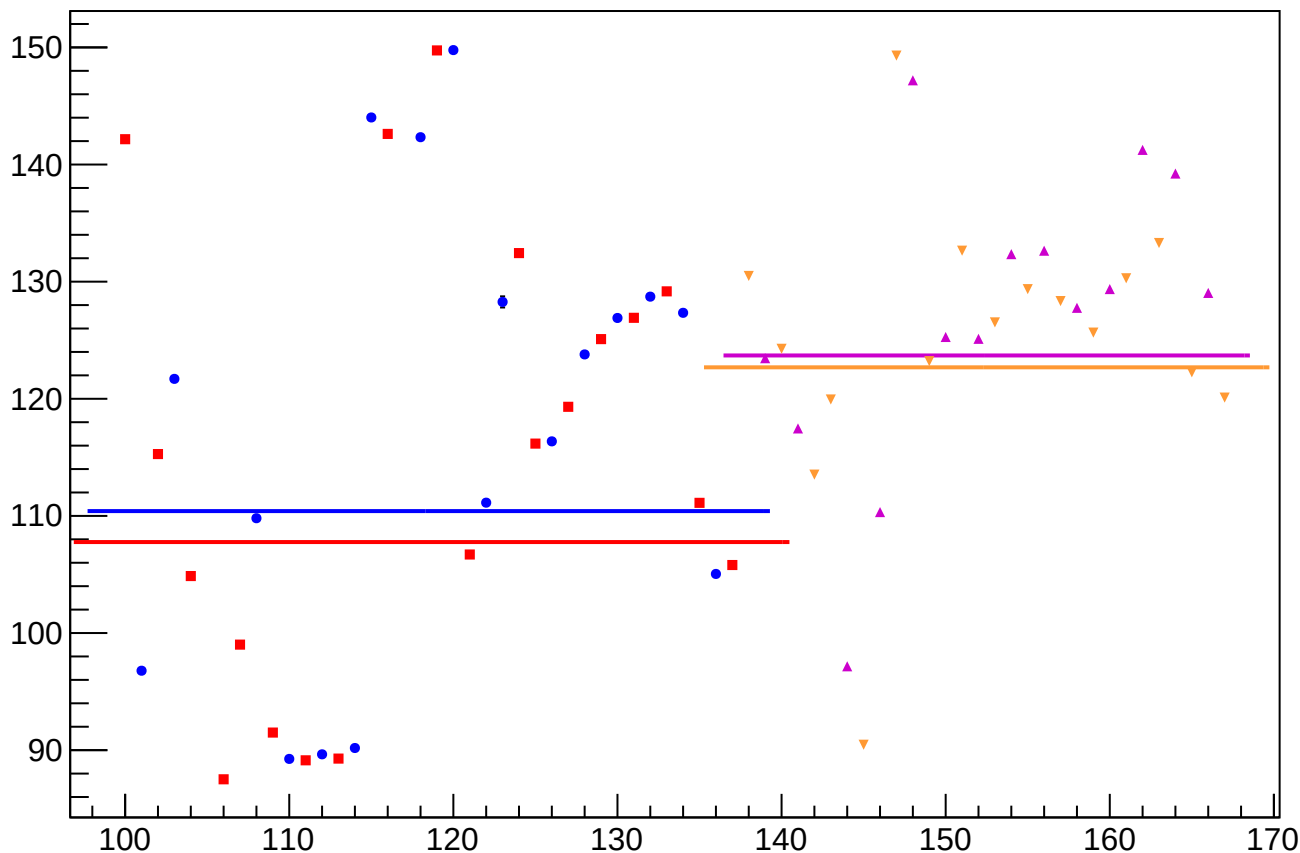
reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



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: 237.074+/-37.774 χ^2/NDF :14.1/13

Left: 233.187+/-25.970 χ^2/NDF : 26.8/29
 Right: 135.317+/-29.814 χ^2/NDF : 29.2/35
 In: 173.843+/-28.468 χ^2/NDF :37.4/30
 Out: 206.340+/-26.980 χ^2/NDF :24.0/34
 All: 190.963+/-19.583 χ^2/NDF : 62.1/65

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 122.686 $\pm$ 0.025 χ^2 /NDF:290579.4/15

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

Left In: 123.699 $\pm$ 0.027 χ^2 /NDF:254657.3/13

Left: 123.165 $\pm$ 0.018 χ^2 /NDF: 545996.3/29

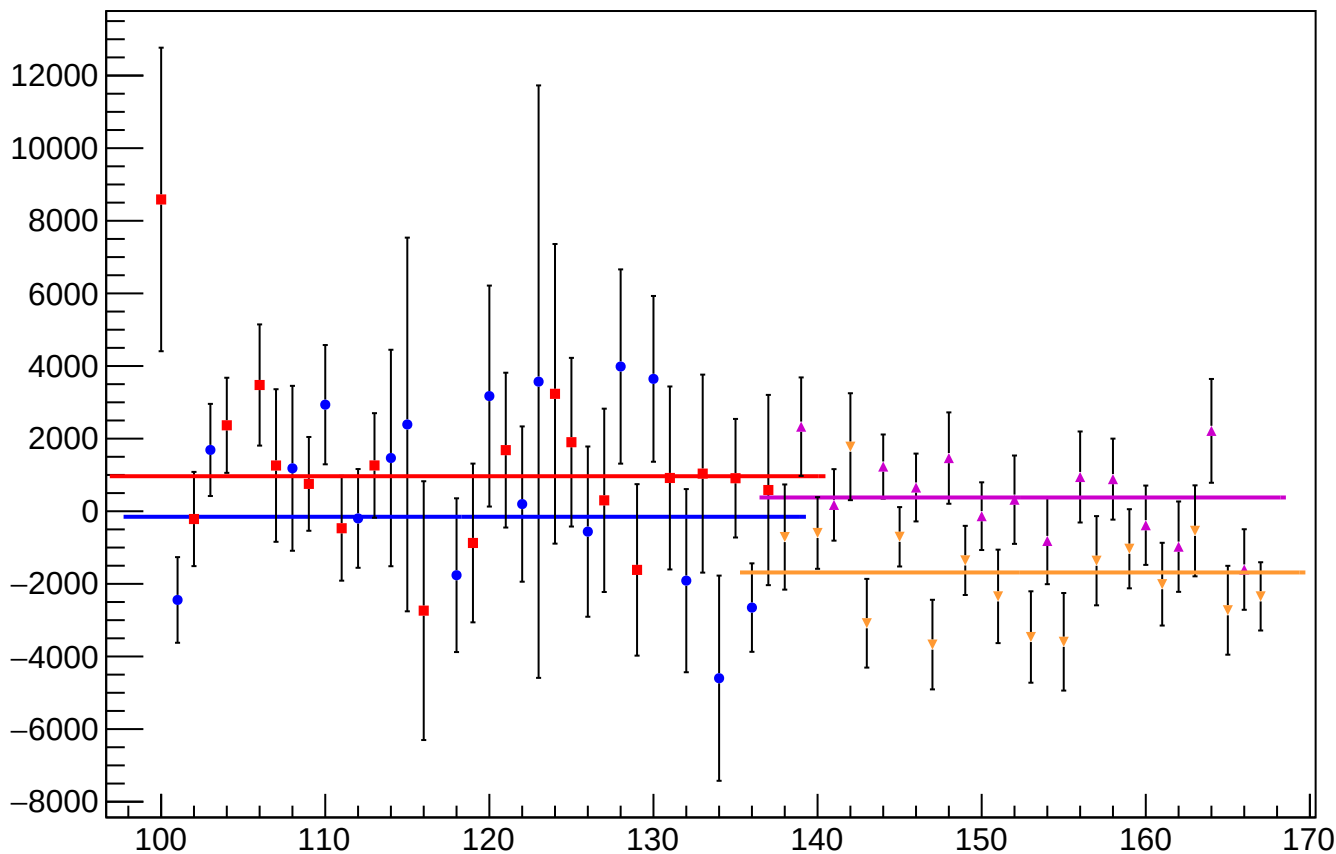
Right: 109.020 $\pm$ 0.021 χ^2 /NDF: 644787.1/35

In: 117.959 $\pm$ 0.020 χ^2 /NDF:658003.8/30

Out: 116.258 $\pm$ 0.019 χ^2 /NDF:784967.0/34

All: 117.063 $\pm$ 0.014 χ^2 /NDF: 1446732.9/65

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: 379.233+/-296.270 χ^2/NDF : 12.1/13

Left: -696.613+/-205.062 χ^2/NDF : 56.9/29

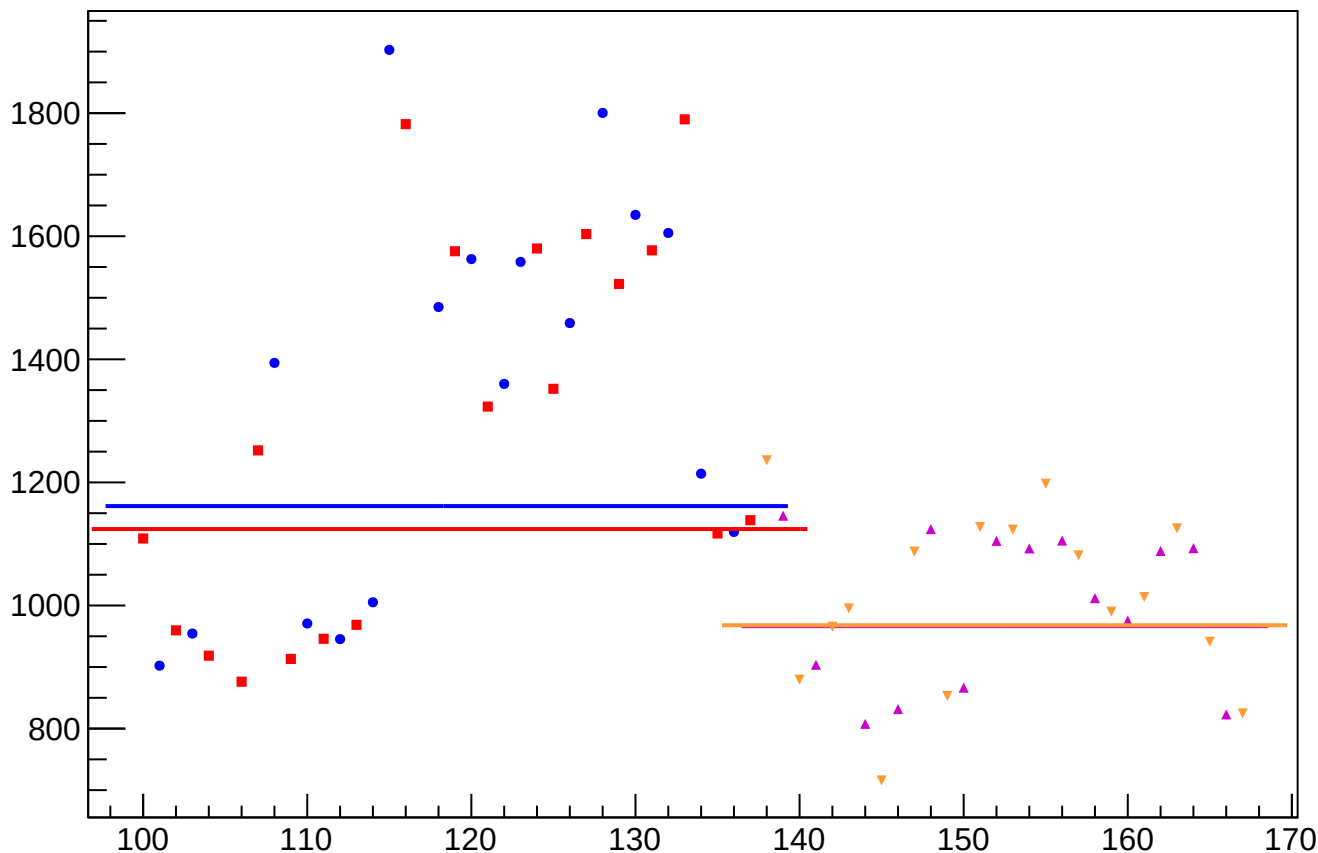
Right: 442.914+/-317.632 χ^2/NDF : 40.0/35

In: 225.615+/-249.825 χ^2/NDF : 37.7/30

Out: -893.644+/-237.891 χ^2/NDF : 57.8/34

All: -361.386+/-172.279 χ^2/NDF : 106.1/65

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 967.887+/-0.201 χ^2/NDF : 543440.1/15

Right Out: 1124.235+/-0.308 χ^2/NDF : 767790.0/18

Left In: 966.396+/-0.209 χ^2/NDF : 348687.0/13

Left: 967.173+/-0.145 χ^2/NDF : 892153.5/29

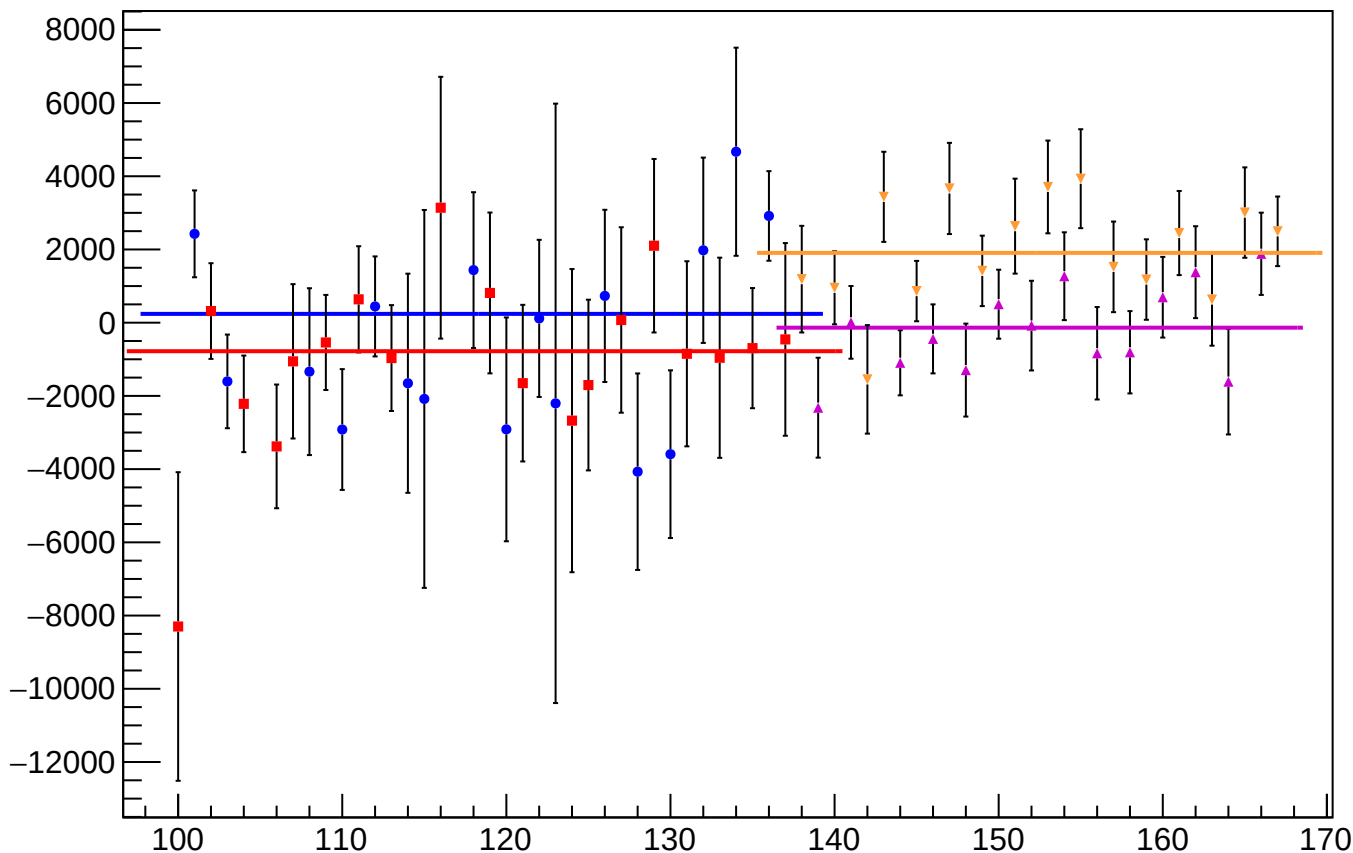
Right: 1141.655+/-0.225 χ^2/NDF : 1470560.5/35

In: 1022.781+/-0.177 χ^2/NDF : 1295292.6/30

Out: 1014.623+/-0.168 χ^2/NDF : 1492271.7/34

All: 1018.502+/-0.122 χ^2/NDF : 2788682.8/65

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: -136.257 $\pm$ 298.803 χ^2/NDF : 13.5/13

Left: 928.438 $\pm$ 206.795 χ^2/NDF : 57.4/29

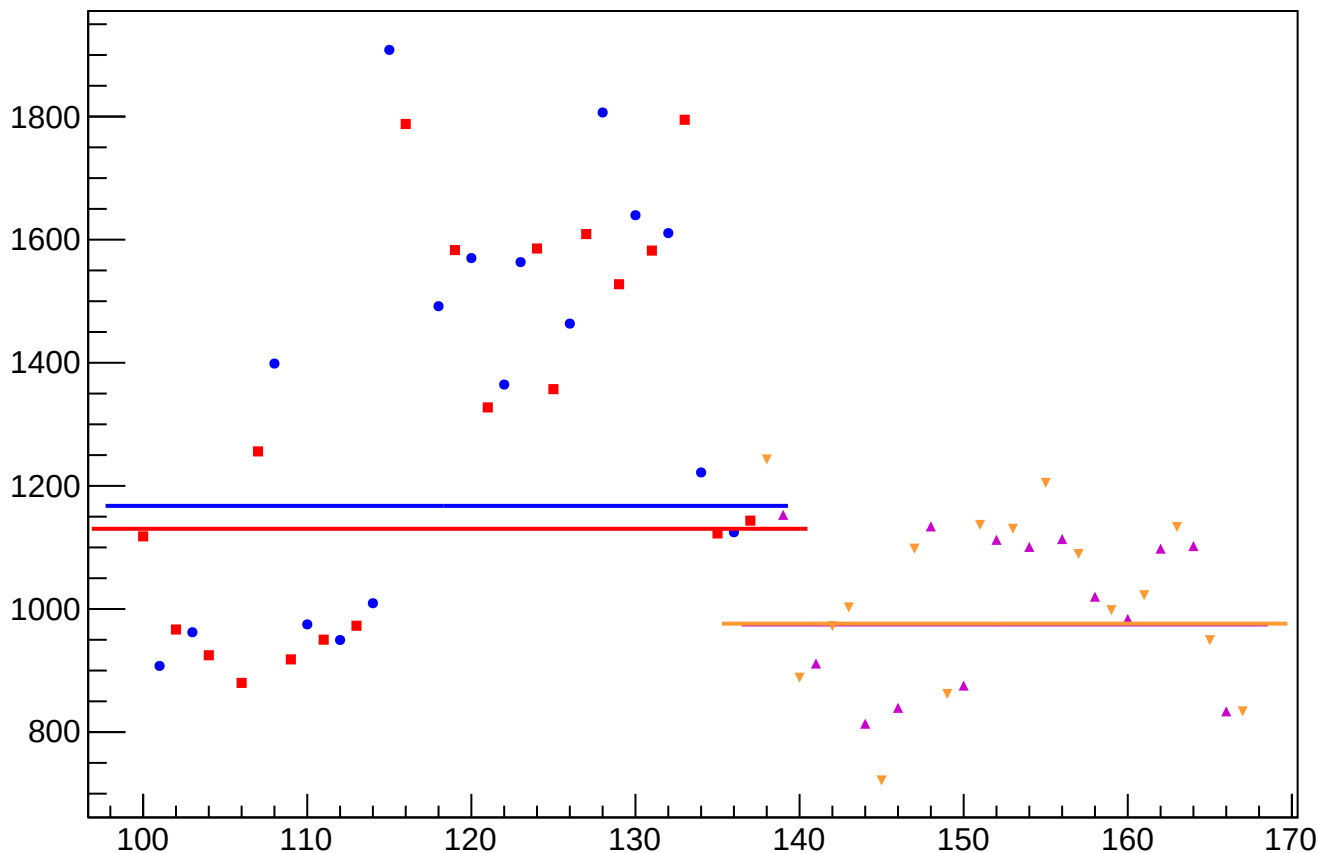
Right: -302.513 $\pm$ 319.286 χ^2/NDF : 39.7/35

In: -26.764 $\pm$ 251.698 χ^2/NDF : 38.8/30

Out: 1100.934 $\pm$ 239.673 χ^2/NDF : 58.3/34

All: 564.665 $\pm$ 173.570 χ^2/NDF : 107.6/65

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: 974.824 $\pm$ 0.211 χ^2 /NDF: 344213.6/13

Left: 975.532 $\pm$ 0.146 χ^2 /NDF: 881115.9/29

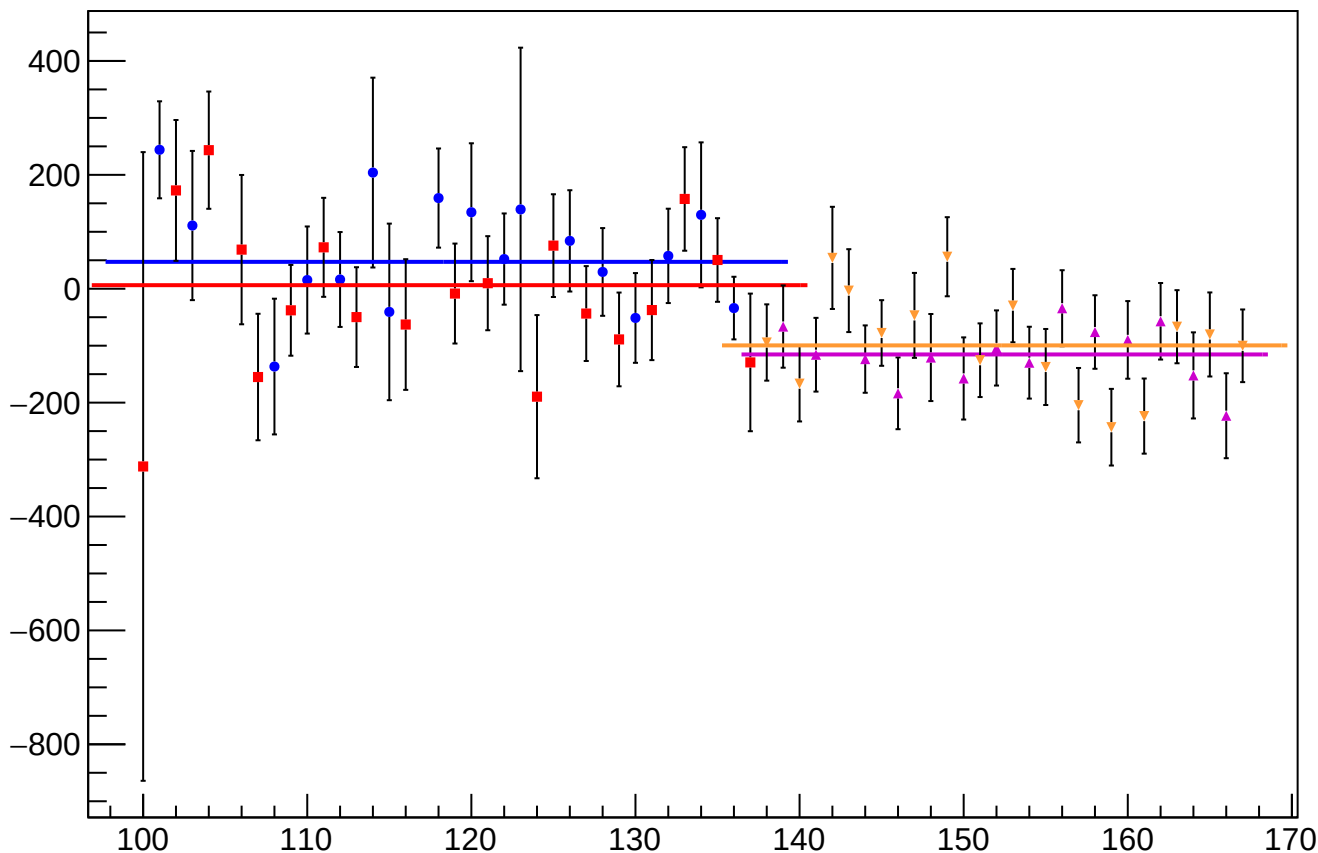
Right: 1147.705 $\pm$ 0.226 χ^2 /NDF: 1458761.3/35

In: 1030.796 $\pm$ 0.178 χ^2 /NDF: 1276326.3/30

Out: 1022.438 $\pm$ 0.169 χ^2 /NDF: 1472094.2/34

All: 1026.413 $\pm$ 0.123 χ^2 /NDF: 2749577.2/65

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: -115.388 ± 18.056 $\chi^2/\text{NDF}: 7.1/13$

Left: -106.898 ± 12.328 $\chi^2/\text{NDF}: 31.6/29$

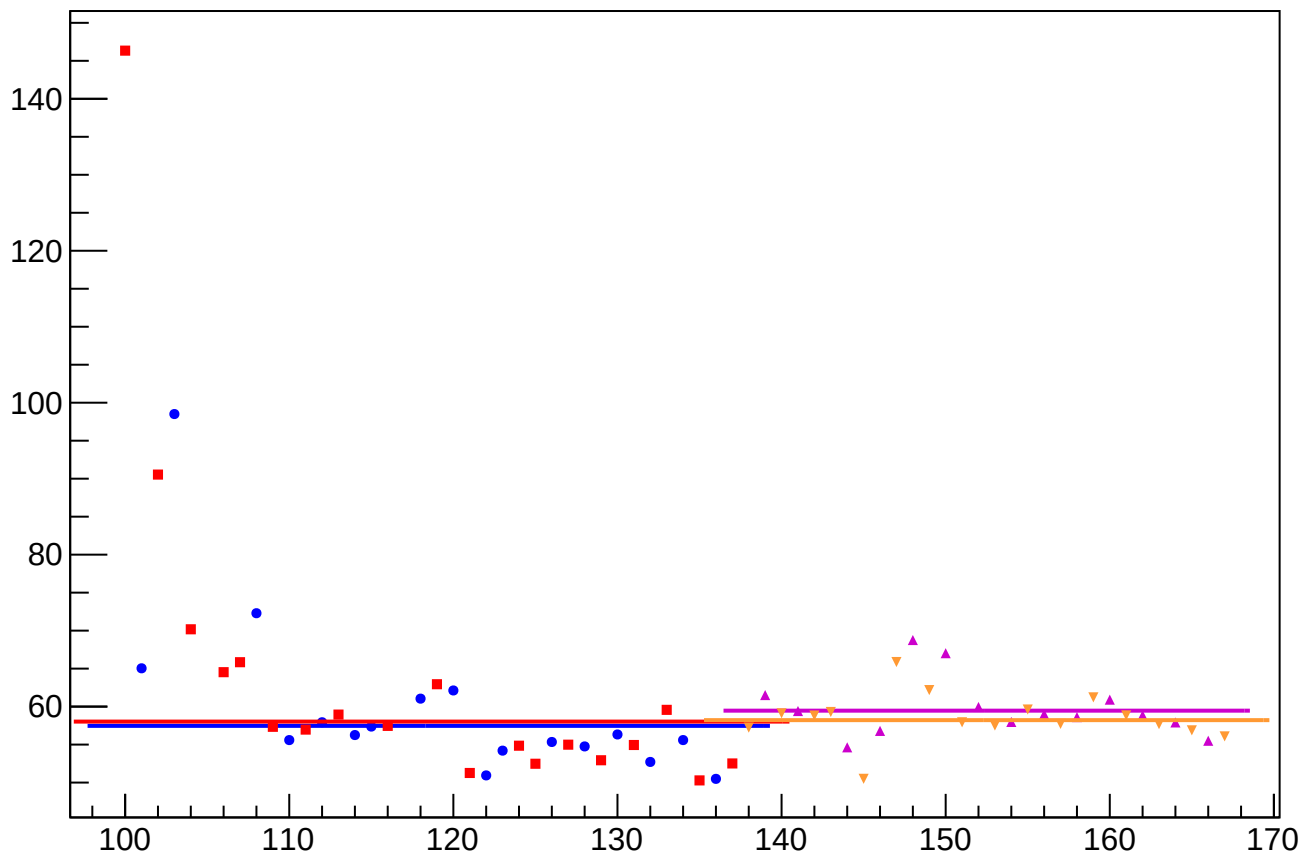
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -51.915 ± 14.098 $\chi^2/\text{NDF}: 54.9/30$

Out: -60.606 ± 13.418 $\chi^2/\text{NDF}: 58.8/34$

All: -56.475 ± 9.719 $\chi^2/\text{NDF}: 113.9/65$

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: 59.466 $\pm$ 0.013 χ^2 /NDF: 79287.2/13

Left: 58.799 $\pm$ 0.009 χ^2 /NDF: 157629.7/29

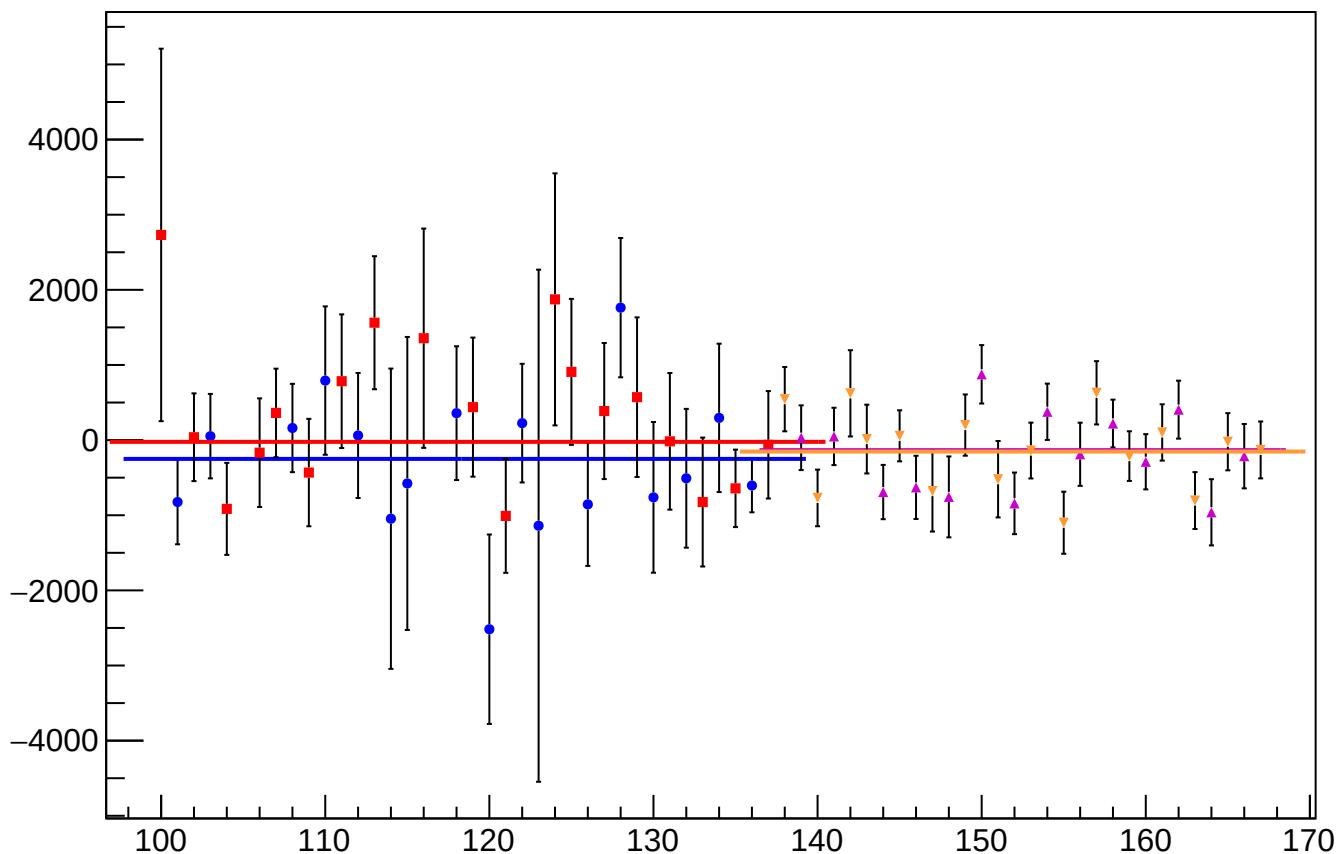
Right: 57.752 $\pm$ 0.011 χ^2 /NDF: 608576.3/35

In: 58.685 $\pm$ 0.010 χ^2 /NDF: 396024.4/30

Out: 58.147 $\pm$ 0.009 χ^2 /NDF: 374122.6/34

All: 58.403 $\pm$ 0.007 χ^2 /NDF: 771671.7/65

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: -133.454+/-105.994 χ^2/NDF : 24.0/13

Left: -143.286+/-73.088 χ^2/NDF : 46.2/29

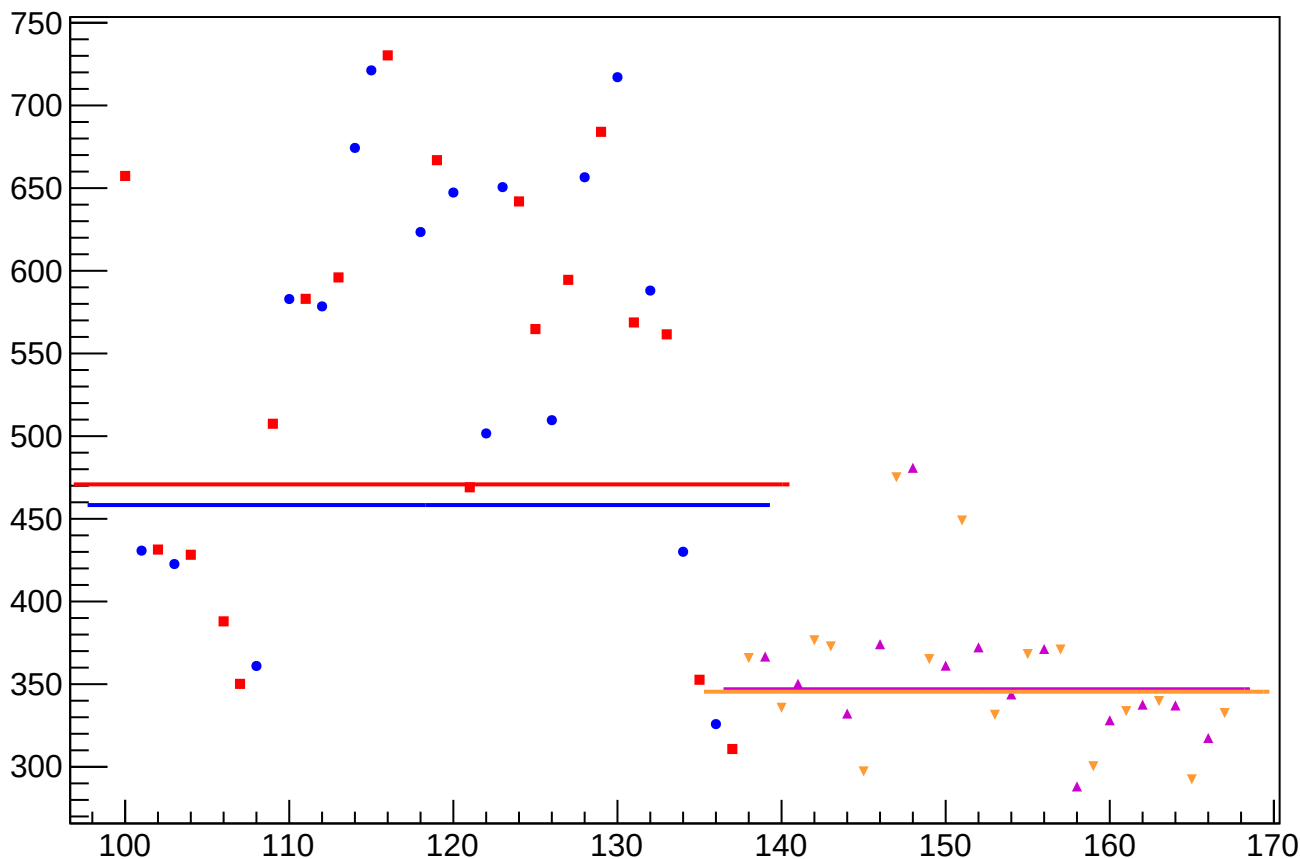
Right: -135.327+/-129.367 χ^2/NDF : 31.1/35

In: -162.506+/-91.857 χ^2/NDF : 38.6/30

Out: -121.848+/-88.239 χ^2/NDF : 38.6/34

All: -141.361+/-63.635 χ^2/NDF : 77.3/65

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 345.440 $\pm$ 0.071 χ^2 /NDF: 359491.3/15

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

Left In: 346.918 $\pm$ 0.075 χ^2 /NDF: 242355.6/13

Left: 346.142 $\pm$ 0.052 χ^2 /NDF: 602050.8/29

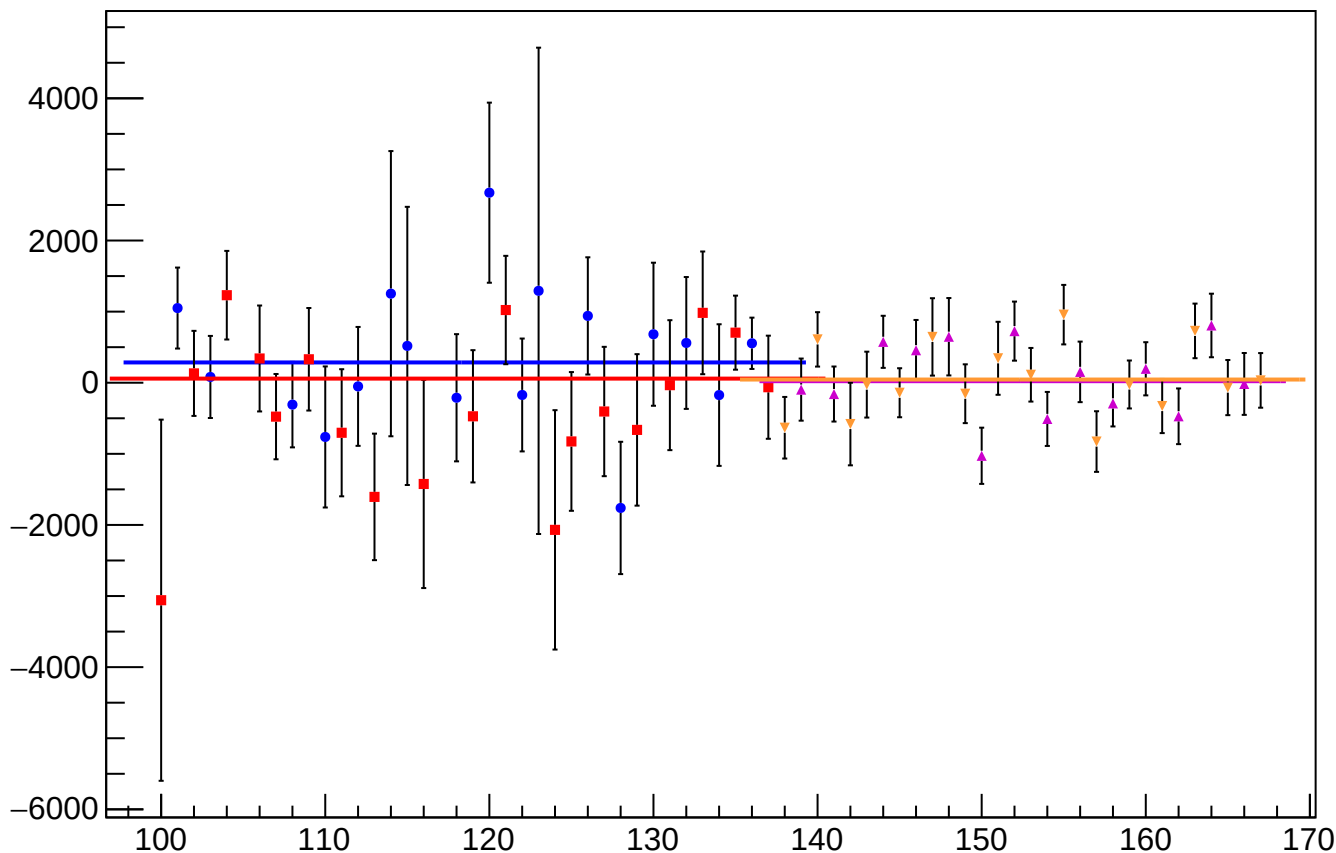
Right: 464.653 $\pm$ 0.091 χ^2 /NDF: 1660506.8/35

In: 374.655 $\pm$ 0.065 χ^2 /NDF: 1669652.6/30

Out: 374.967 $\pm$ 0.062 χ^2 /NDF: 1865188.2/34

All: 374.817 $\pm$ 0.045 χ^2 /NDF: 3534852.8/65

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: 21.709 $\pm$ 107.591 χ^2 /NDF:22.7/13

Left: 33.866 $\pm$ 74.176 χ^2 /NDF: 43.9/29

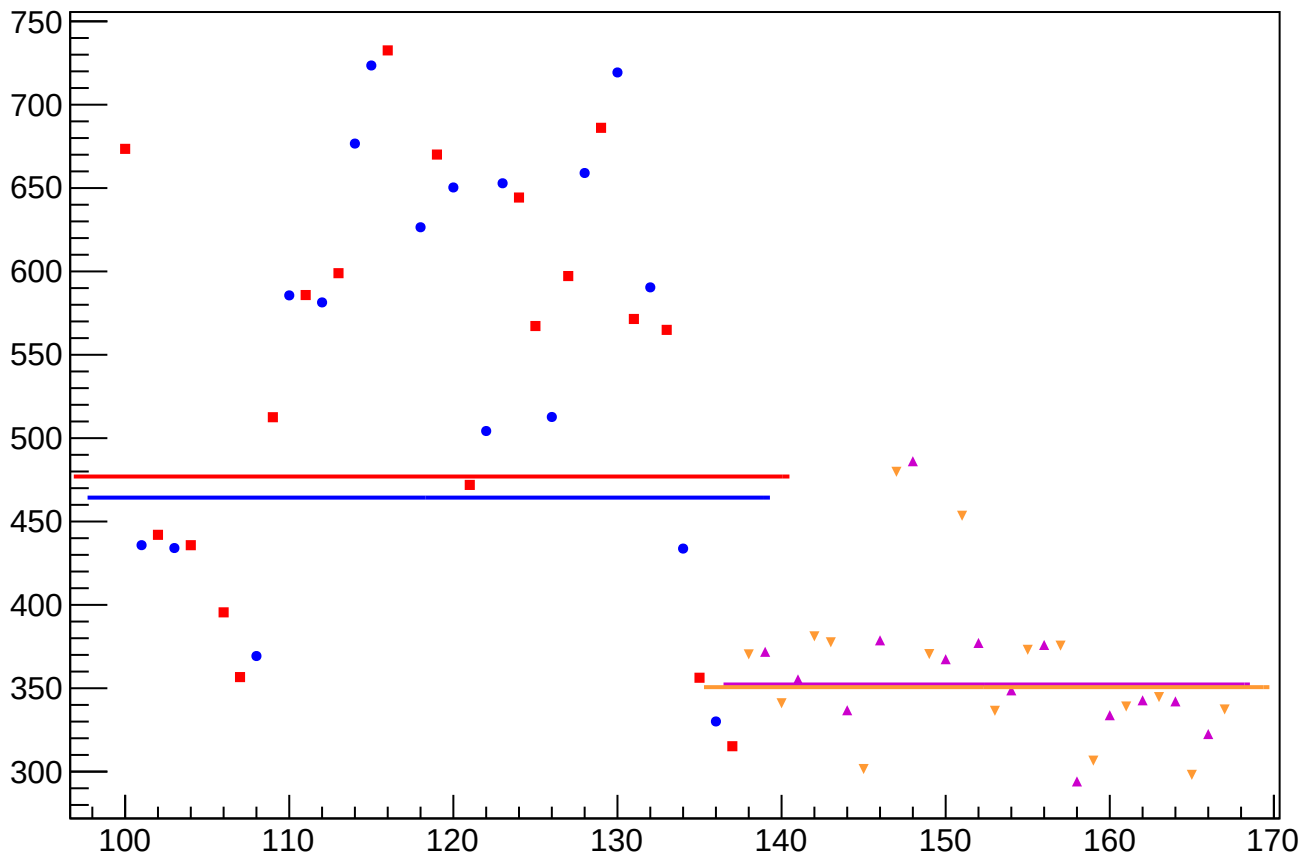
Right: 170.332 $\pm$ 130.927 χ^2 /NDF: 35.1/35

In: 87.667 $\pm$ 93.165 χ^2 /NDF:39.4/30

Out: 47.980 $\pm$ 89.487 χ^2 /NDF:40.3/34

All: 67.025 $\pm$ 64.538 χ^2 /NDF: 79.8/65

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 $\pm$ 0.132 χ^2/NDF : 845900.9/16

Left Out: 350.653 $\pm$ 0.072 χ^2/NDF : 346800.8/15

Right Out: 476.989 $\pm$ 0.130 χ^2/NDF : 749331.1/18

Left In: 352.252 $\pm$ 0.076 χ^2/NDF : 233819.5/13

Left: 351.413 $\pm$ 0.052 χ^2/NDF : 580852.0/29

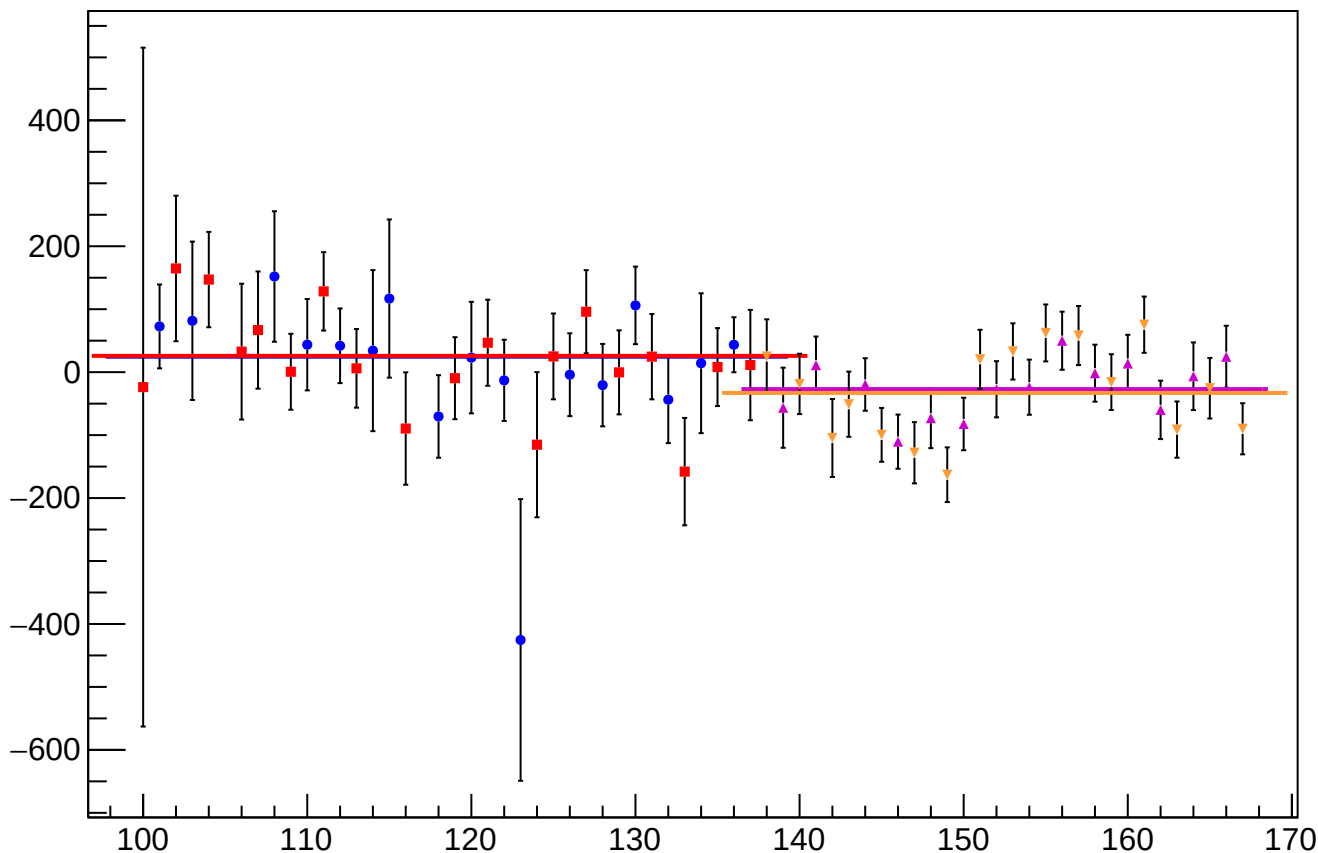
Right: 470.740 $\pm$ 0.093 χ^2/NDF : 1599897.5/35

In: 380.295 $\pm$ 0.066 χ^2/NDF : 1622796.2/30

Out: 380.511 $\pm$ 0.063 χ^2/NDF : 1815577.5/34

All: 380.407 $\pm$ 0.046 χ^2/NDF : 3438379.3/65

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -32.985 $\pm$ 11.700 χ^2 /NDF:39.1/15

Right Out: 25.884 $\pm$ 17.386 χ^2 /NDF: 16.8/18

Left In: -26.906 $\pm$ 12.357 χ^2 /NDF:13.1/13

Left: -30.112 $\pm$ 8.496 χ^2 /NDF: 52.3/29

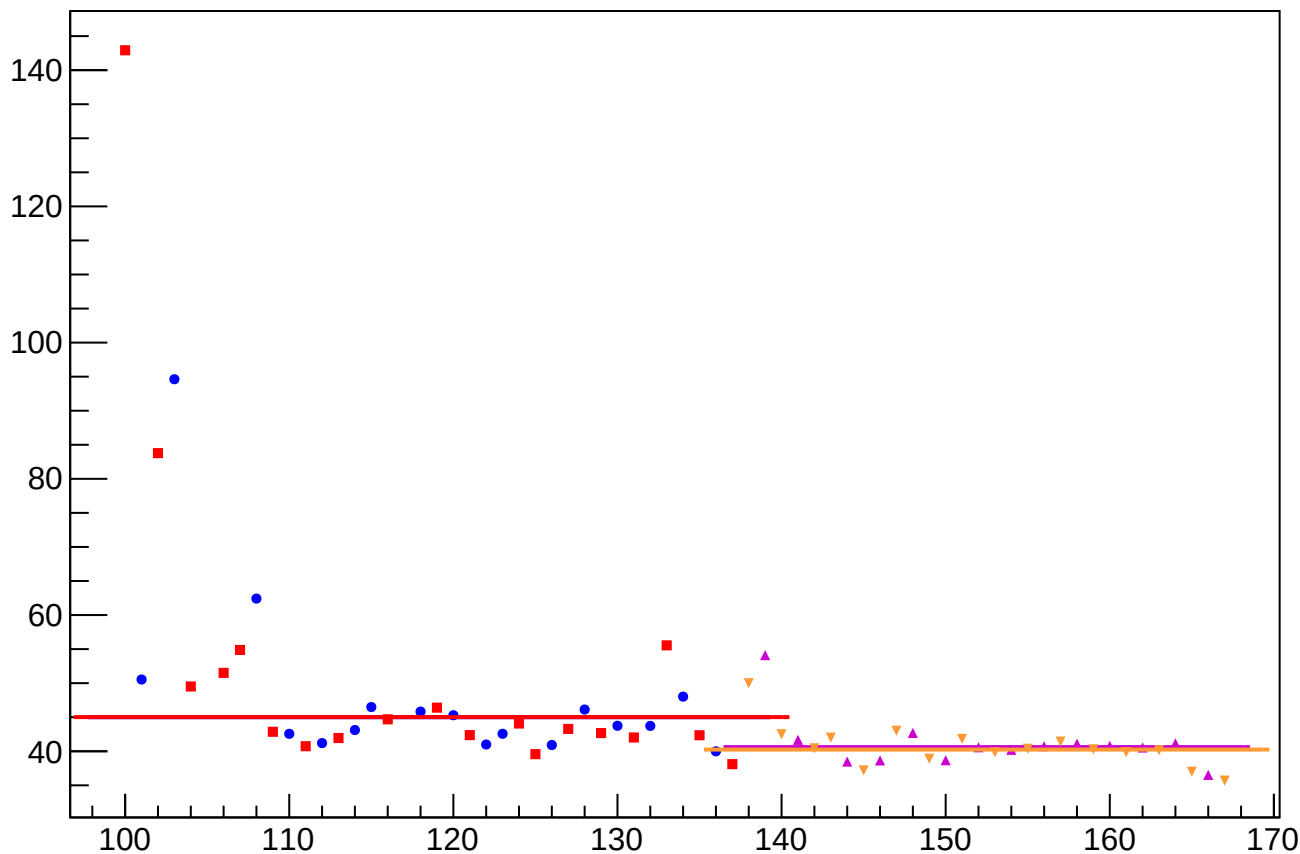
Right: 25.251 $\pm$ 12.451 χ^2 /NDF: 29.8/35

In: -10.210 $\pm$ 10.158 χ^2 /NDF:31.7/30

Out: -14.637 $\pm$ 9.707 χ^2 /NDF:63.8/34

All: -12.524 $\pm$ 7.018 χ^2 /NDF: 95.6/65

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: 40.617 $\pm$ 0.009 χ^2 /NDF: 123086.8/13

Left: 40.423 $\pm$ 0.006 χ^2 /NDF: 241938.1/29

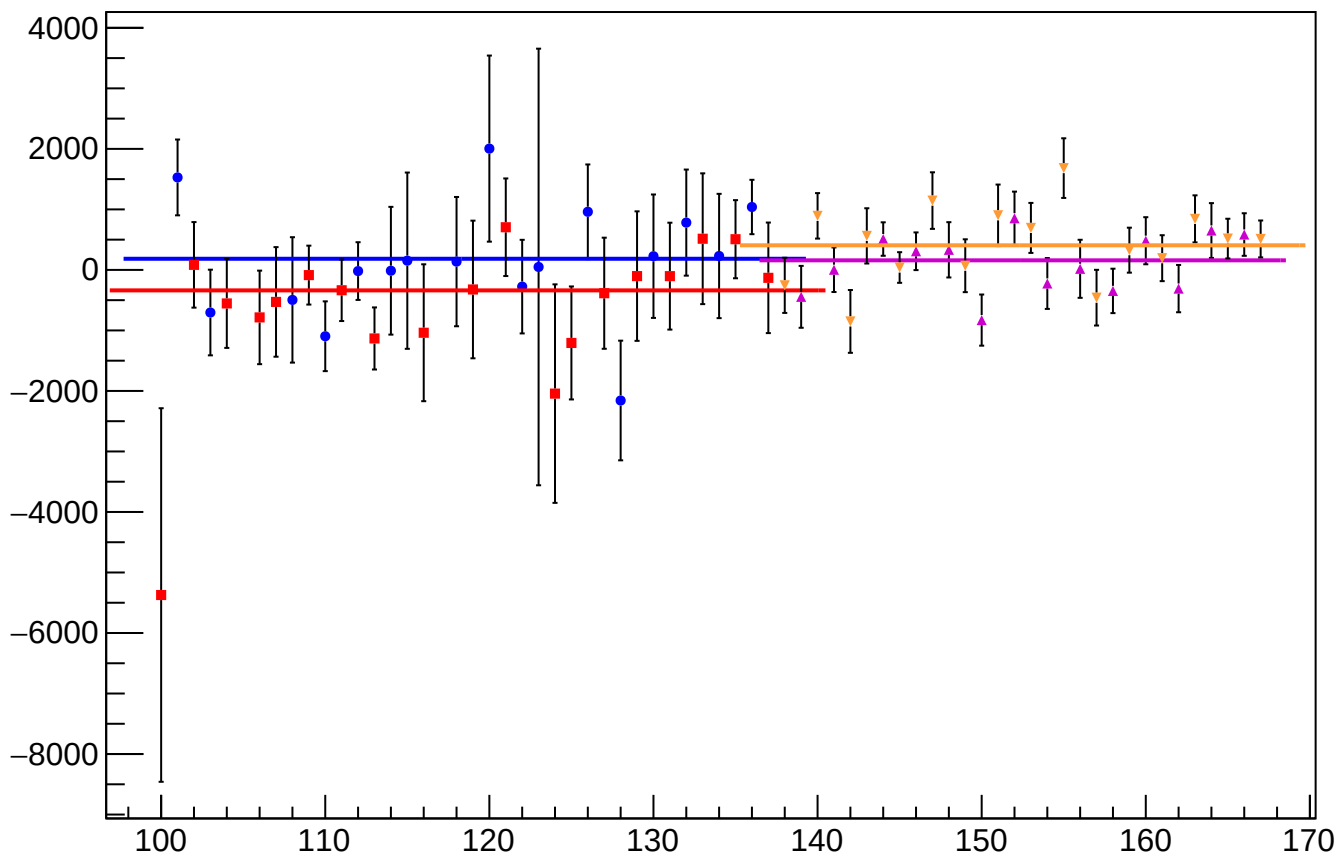
Right: 45.009 $\pm$ 0.009 χ^2 /NDF: 853862.6/35

In: 42.038 $\pm$ 0.007 χ^2 /NDF: 643079.7/30

Out: 41.735 $\pm$ 0.007 χ^2 /NDF: 636963.6/34

All: 41.880 $\pm$ 0.005 χ^2 /NDF: 1280974.8/65

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: 158.215 $\pm$ 103.308 χ^2 /NDF:19.1/13

Left: 289.606 $\pm$ 70.893 χ^2 /NDF: 50.7/29

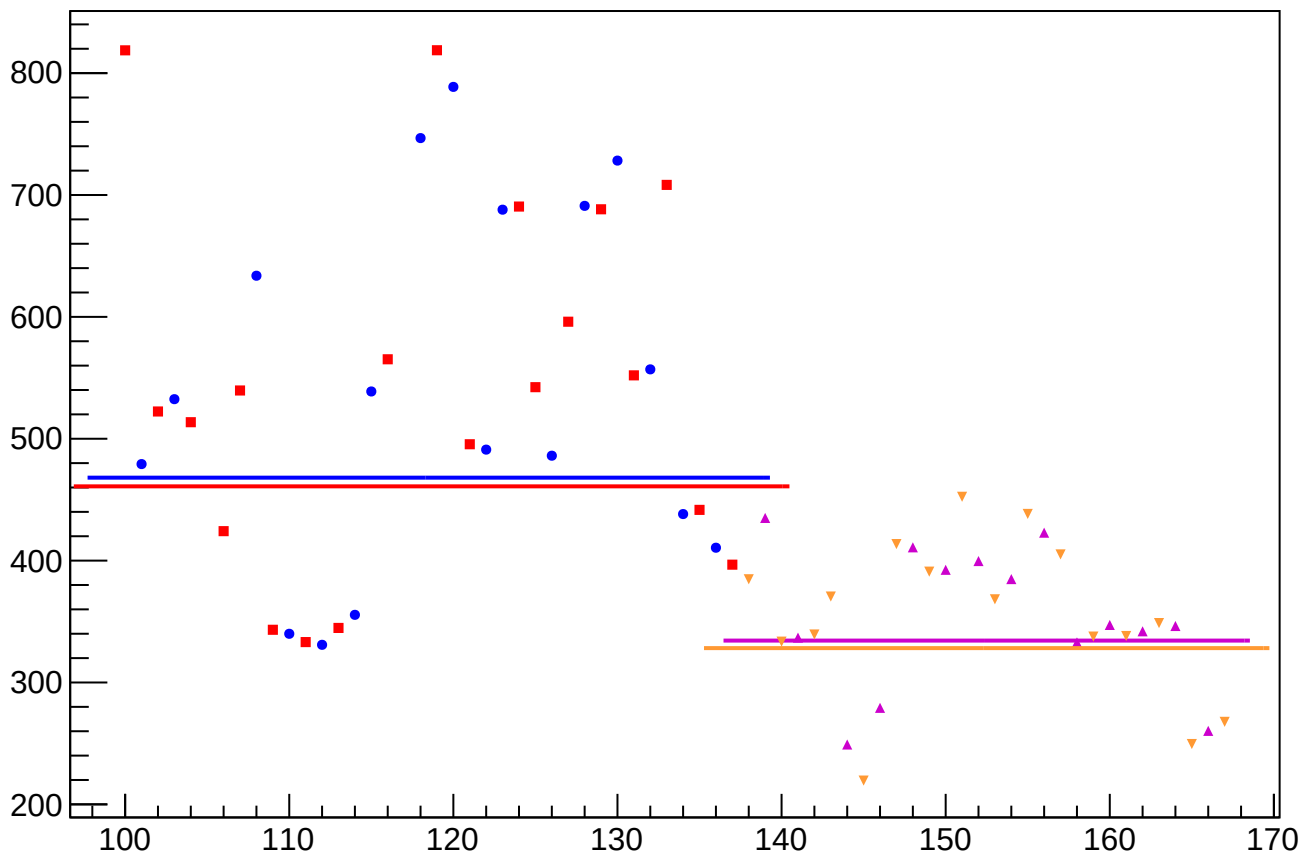
Right: -90.096 $\pm$ 129.965 χ^2 /NDF: 40.7/35

In: 164.210 $\pm$ 90.601 χ^2 /NDF:43.3/30

Out: 236.775 $\pm$ 85.639 χ^2 /NDF:54.3/34

All: 202.534 $\pm$ 62.236 χ^2 /NDF: 97.9/65

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 328.201 $\pm$ 0.069 χ^2 /NDF:1022025.2/15

Right Out: 460.939 $\pm$ 0.127 χ^2 /NDF: 955028.5/18

Left In: 334.381 $\pm$ 0.073 χ^2 /NDF:658598.5/13

Left: 331.111 $\pm$ 0.050 χ^2 /NDF: 1684410.4/29

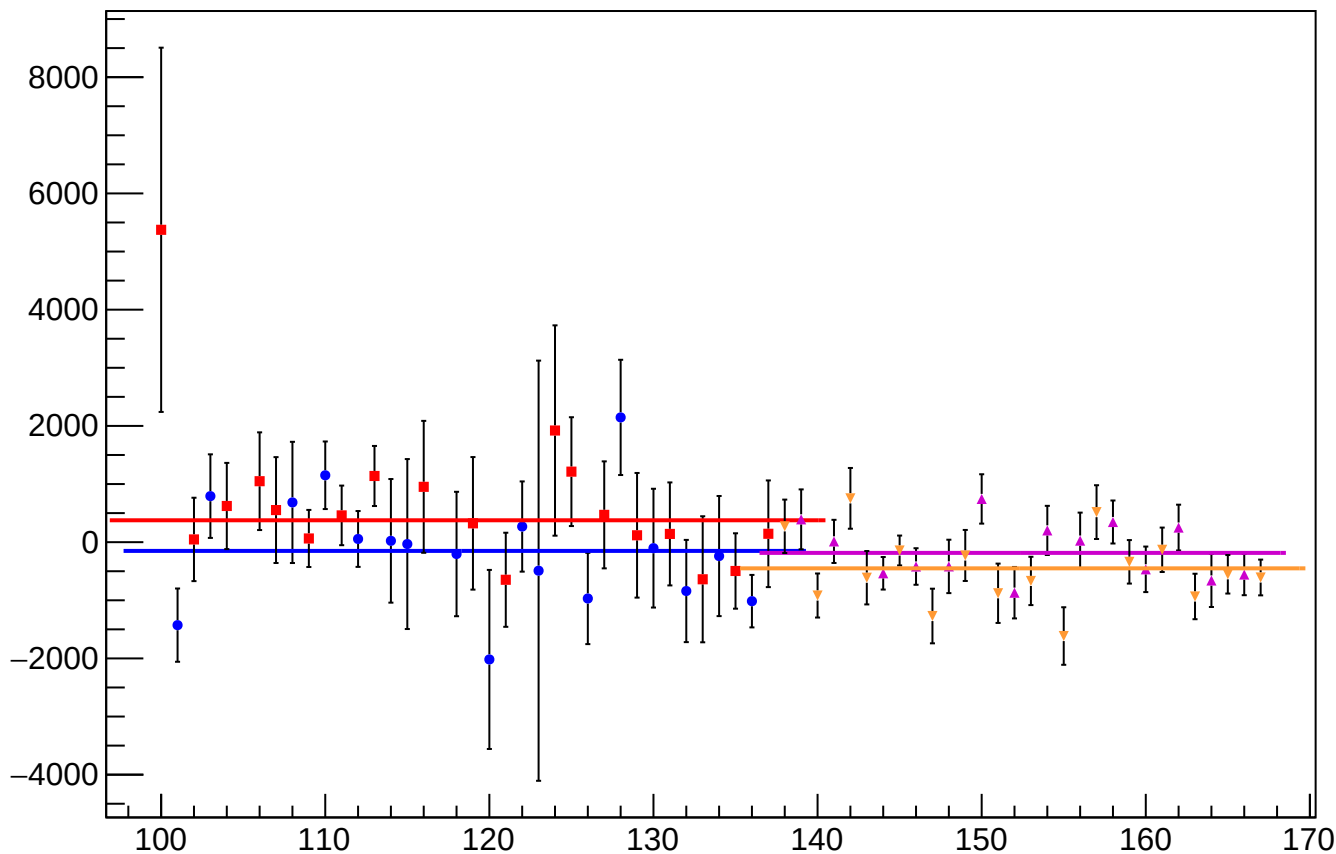
Right: 464.328 $\pm$ 0.092 χ^2 /NDF: 1836849.7/35

In: 365.247 $\pm$ 0.064 χ^2 /NDF:2312197.7/30

Out: 358.455 $\pm$ 0.061 χ^2 /NDF:2822583.9/34

All: 361.660 $\pm$ 0.044 χ^2 /NDF: 5140717.4/65

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -450.342 ± 98.266 χ^2/NDF : 27.7/15

Right Out: 376.554 ± 181.258 χ^2/NDF : 12.4/18

Left In: -184.410 ± 104.137 χ^2/NDF : 18.1/13

Left: -325.082 ± 71.470 χ^2/NDF : 49.3/29

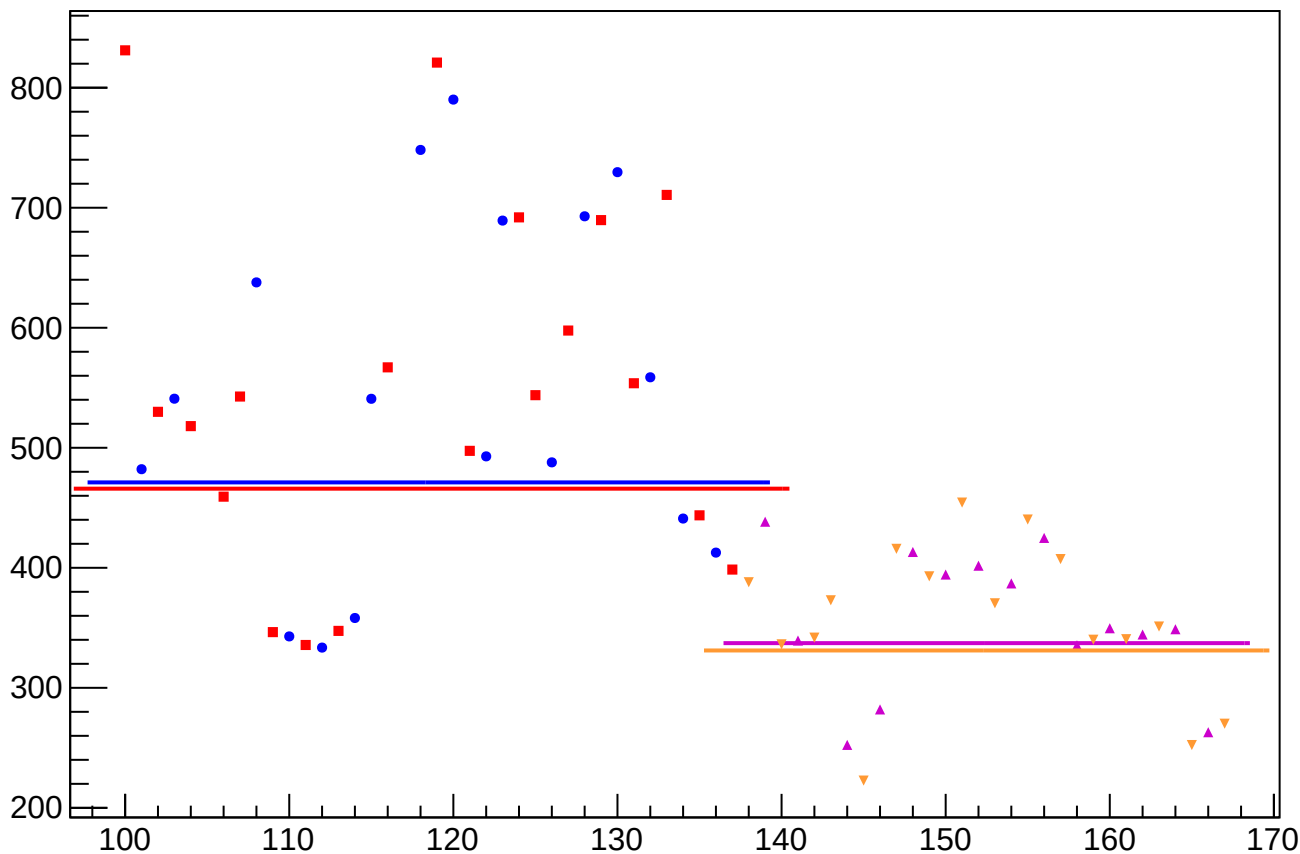
Right: 125.150 ± 131.061 χ^2/NDF : 40.7/35

In: -176.514 ± 91.290 χ^2/NDF : 42.4/30

Out: -262.513 ± 86.388 χ^2/NDF : 56.2/34

All: -221.884 ± 62.747 χ^2/NDF : 99.0/65

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: 337.235+/-0.074 χ^2/NDF : 640913.3/13

Left: 334.003+/-0.051 χ^2/NDF : 1638956.1/29

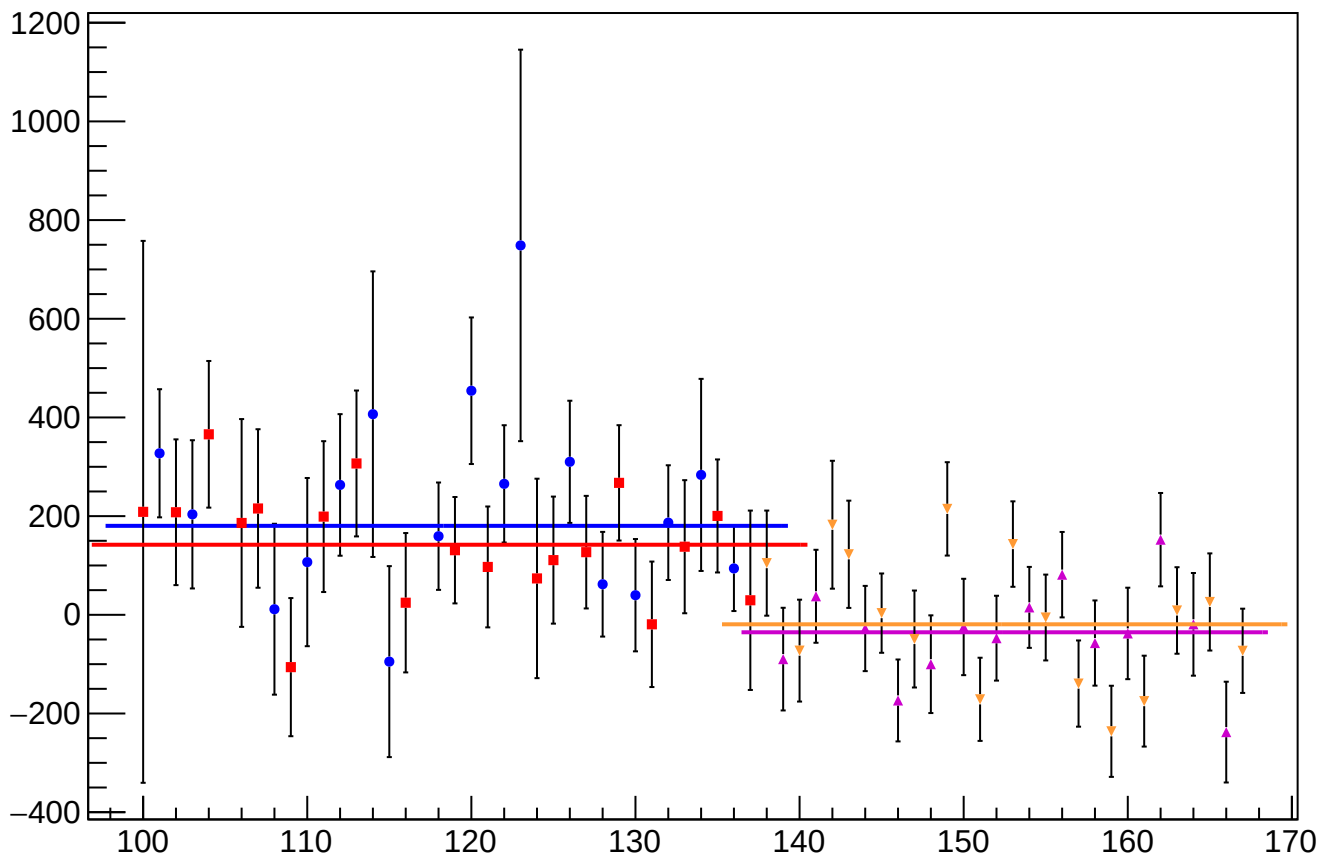
Right: 468.427+/-0.093 χ^2/NDF : 1813145.9/35

In: 368.240+/-0.065 χ^2/NDF : 2278508.7/30

Out: 361.747+/-0.061 χ^2/NDF : 2789955.6/34

All: 364.814+/-0.044 χ^2/NDF : 5073802.2/65

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: -35.385 ± 24.553 $\chi^2/\text{NDF}: 14.3/13$

Left: -26.882 ± 16.908 $\chi^2/\text{NDF}: 44.3/29$

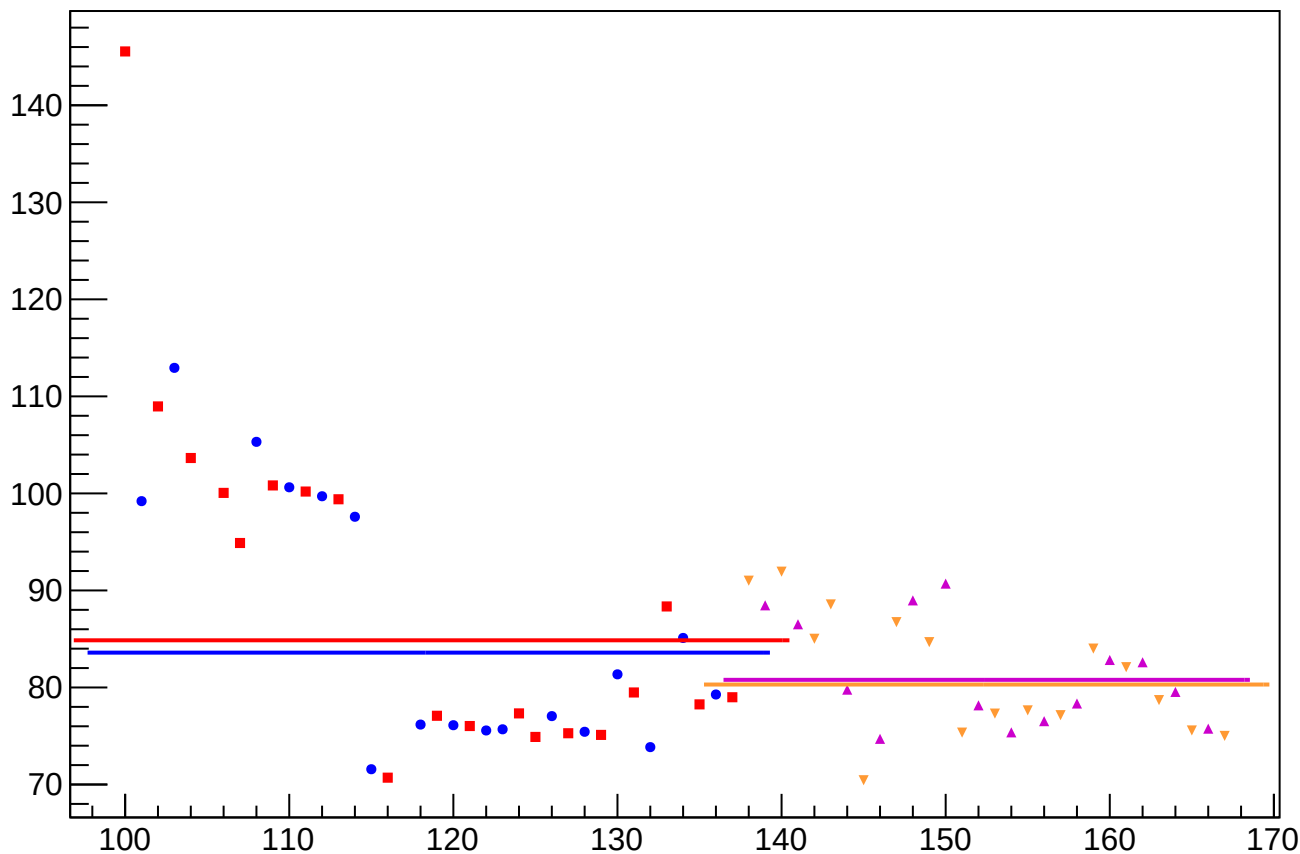
Right: 160.930 ± 23.017 $\chi^2/\text{NDF}: 28.9/35$

In: 42.173 ± 19.649 $\chi^2/\text{NDF}: 58.6/30$

Out: 35.951 ± 18.914 $\chi^2/\text{NDF}: 57.9/34$

All: 38.944 ± 13.627 $\chi^2/\text{NDF}: 116.5/65$

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: 80.788 $\pm$ 0.017 χ^2 /NDF:87440.2/13

Left: 80.533 $\pm$ 0.012 χ^2 /NDF: 221315.1/29

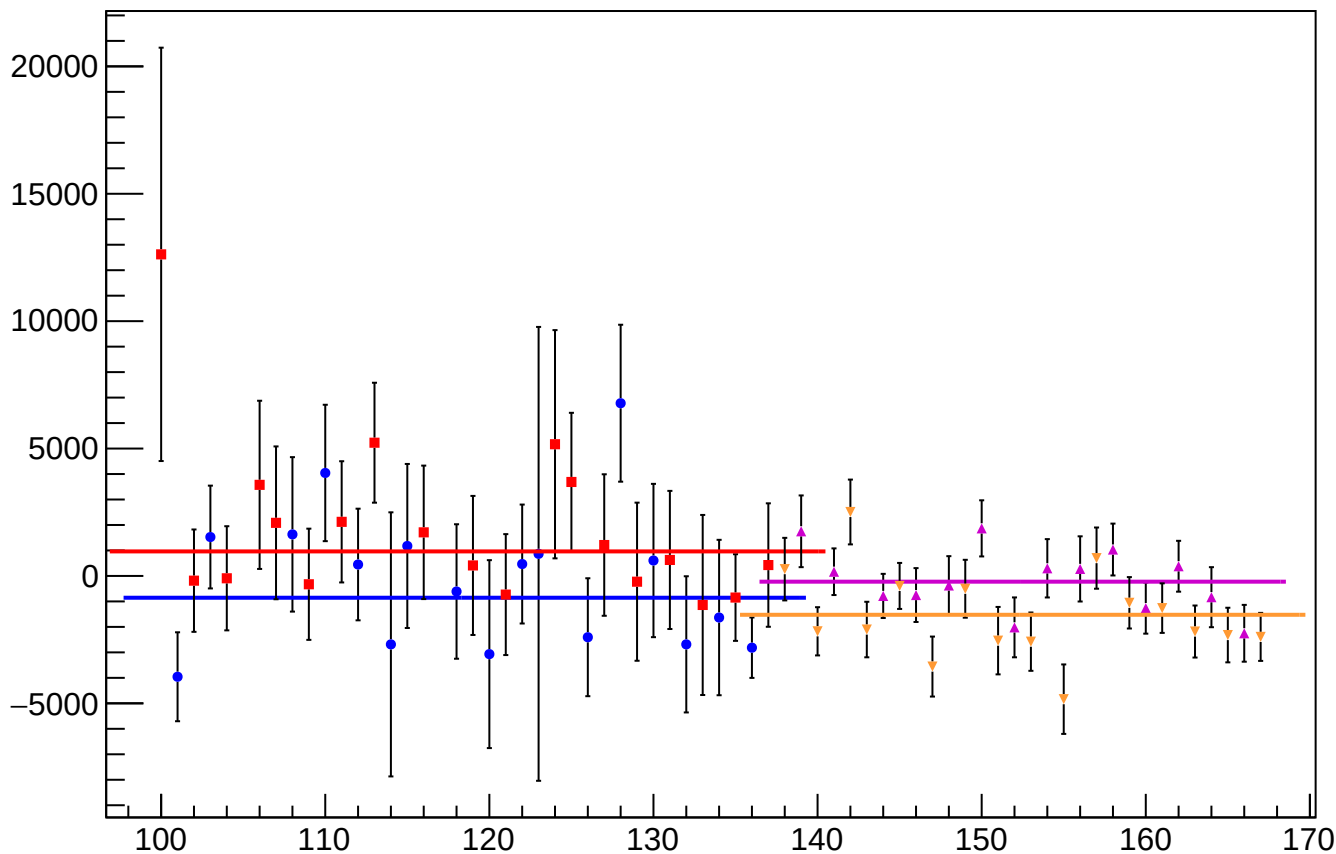
Right: 84.234 $\pm$ 0.016 χ^2 /NDF: 548050.9/35

In: 81.795 $\pm$ 0.014 χ^2 /NDF:352734.6/30

Out: 81.863 $\pm$ 0.013 χ^2 /NDF:450210.3/34

All: 81.830 $\pm$ 0.010 χ^2 /NDF: 802957.0/65

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: -224.974 $\pm$ 287.639 χ^2 /NDF:15.7/13

Left: -911.395 $\pm$ 197.592 χ^2 /NDF: 57.6/29

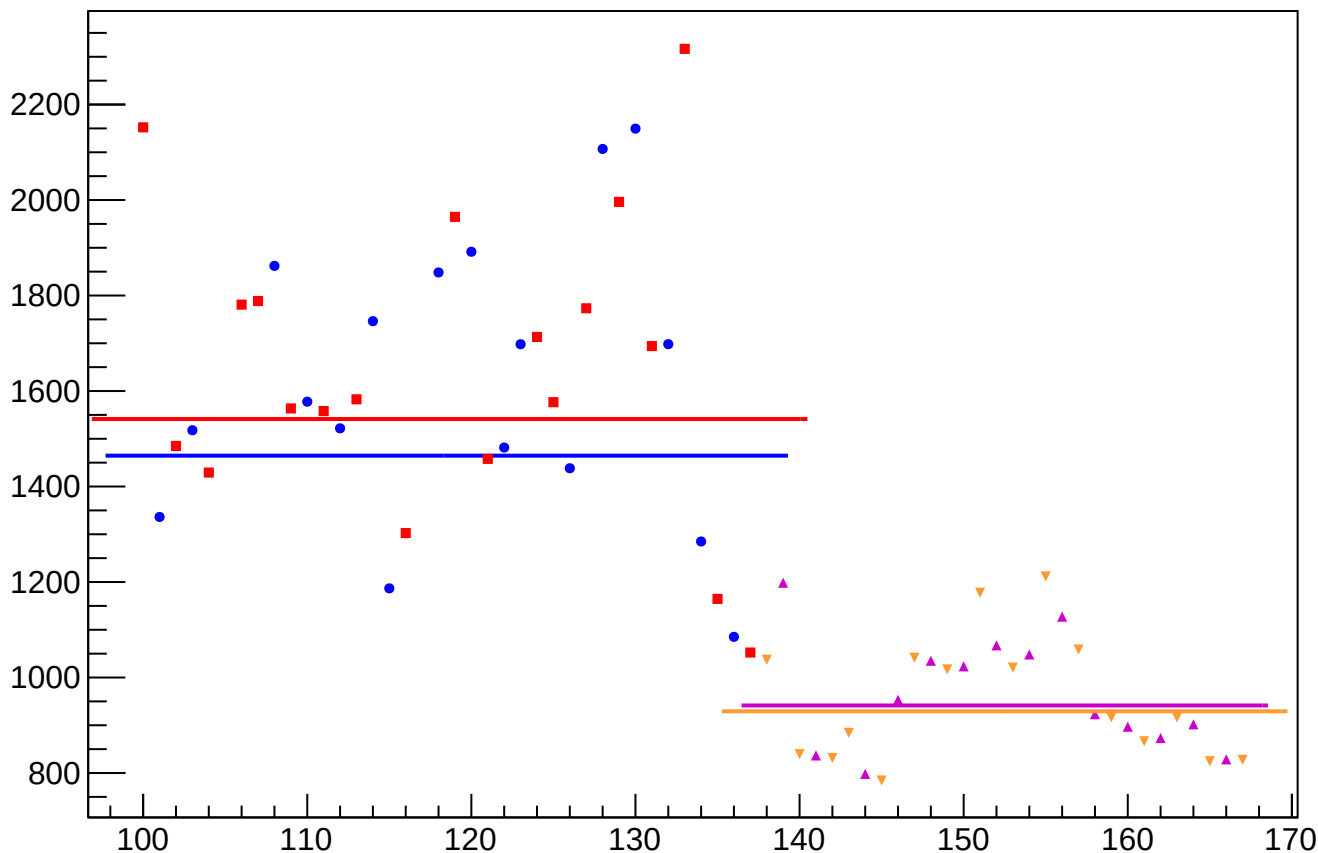
Right: 44.847 $\pm$ 414.477 χ^2 /NDF: 36.6/35

In: -348.274 $\pm$ 257.977 χ^2 /NDF:36.9/30

Out: -1087.835 $\pm$ 246.871 χ^2 /NDF:57.4/34

All: -734.315 $\pm$ 178.361 χ^2 /NDF: 98.6/65

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 ± 0.412 $\chi^2/\text{NDF}: 560863.4/16$

Left Out: 929.282 ± 0.192 $\chi^2/\text{NDF}: 373967.5/15$

Right Out: 1541.388 ± 0.417 $\chi^2/\text{NDF}: 453710.5/18$

Left In: 941.438 ± 0.203 $\chi^2/\text{NDF}: 291314.8/13$

Left: 935.018 ± 0.140 $\chi^2/\text{NDF}: 667168.6/29$

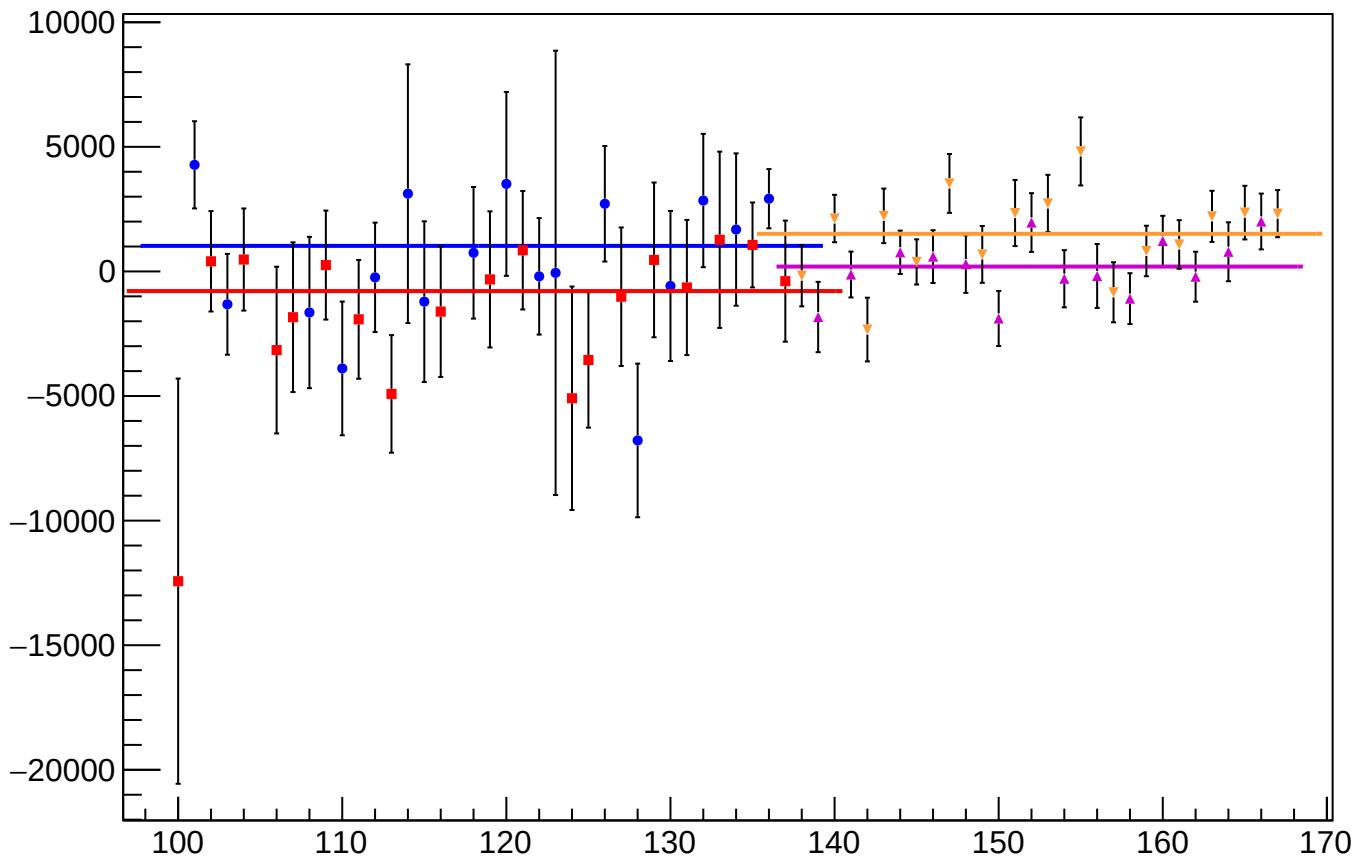
Right: 1502.634 ± 0.293 $\chi^2/\text{NDF}: 1031717.7/35$

In: 1043.781 ± 0.182 $\chi^2/\text{NDF}: 2146551.2/30$

Out: 1036.788 ± 0.175 $\chi^2/\text{NDF}: 2607879.5/34$

All: 1040.130 ± 0.126 $\chi^2/\text{NDF}: 4755197.9/65$

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: 195.240 $\pm$ 288.779 χ^2 /NDF:14.5/13

Left: 889.454 $\pm$ 198.386 χ^2 /NDF: 55.8/29

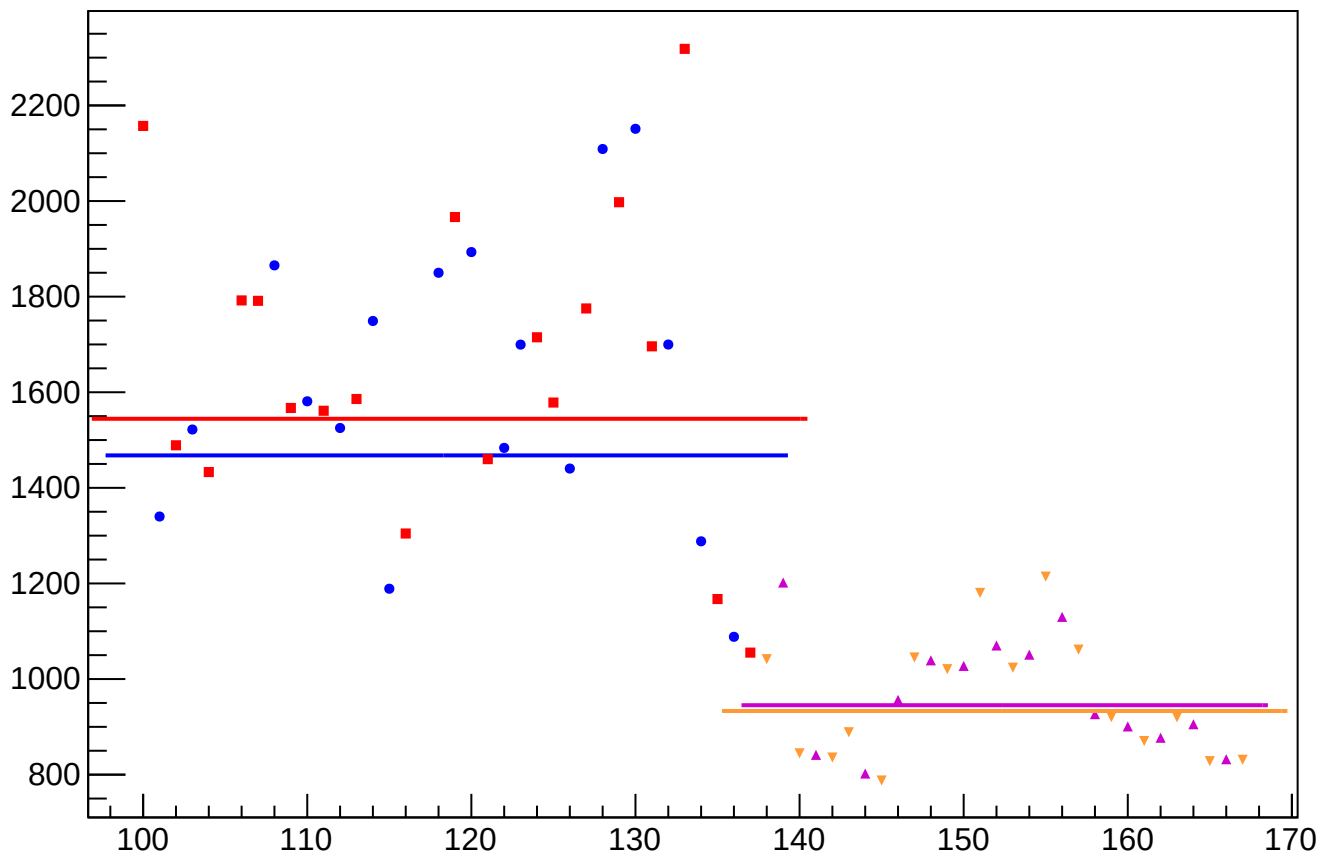
Right: 128.343 $\pm$ 415.370 χ^2 /NDF: 36.9/35

In: 358.146 $\pm$ 258.904 χ^2 /NDF:37.0/30

Out: 1105.276 $\pm$ 247.795 χ^2 /NDF:54.1/34

All: 748.082 $\pm$ 179.016 χ^2 /NDF: 95.4/65

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: 945.283 $\pm$ 0.204 χ^2 /NDF: 287290.2/13

Left: 938.900 $\pm$ 0.140 χ^2 /NDF: 658439.5/29

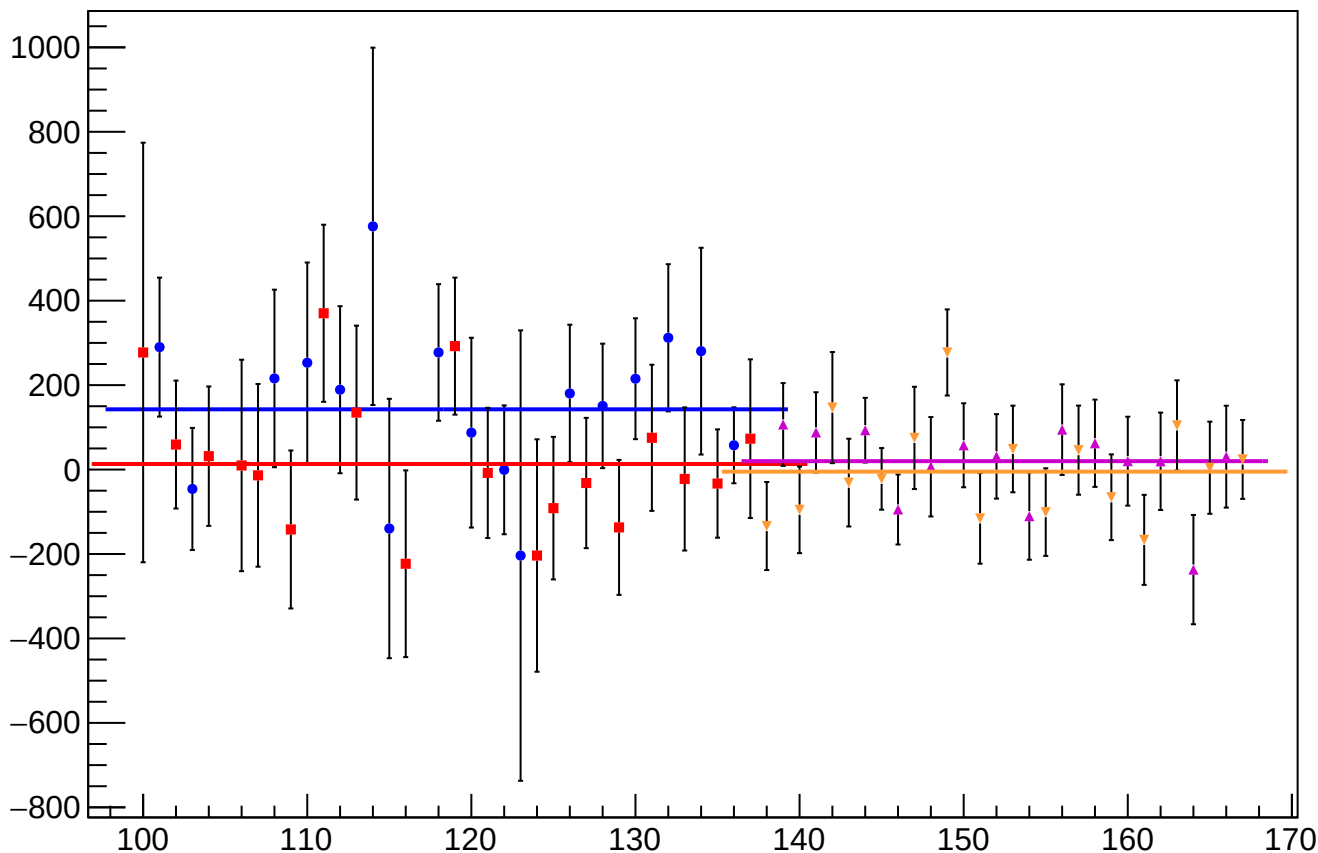
Right: 1505.825 $\pm$ 0.294 χ^2 /NDF: 1026270.9/35

In: 1047.824 $\pm$ 0.183 χ^2 /NDF: 2129986.5/30

Out: 1040.886 $\pm$ 0.175 χ^2 /NDF: 2587680.2/34

All: 1044.203 $\pm$ 0.127 χ^2 /NDF: 4718416.2/65

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: 19.905 $\pm$ 27.001 χ^2 /NDF:10.5/13

Left: 6.846 $\pm$ 18.580 χ^2 /NDF: 29.0/29

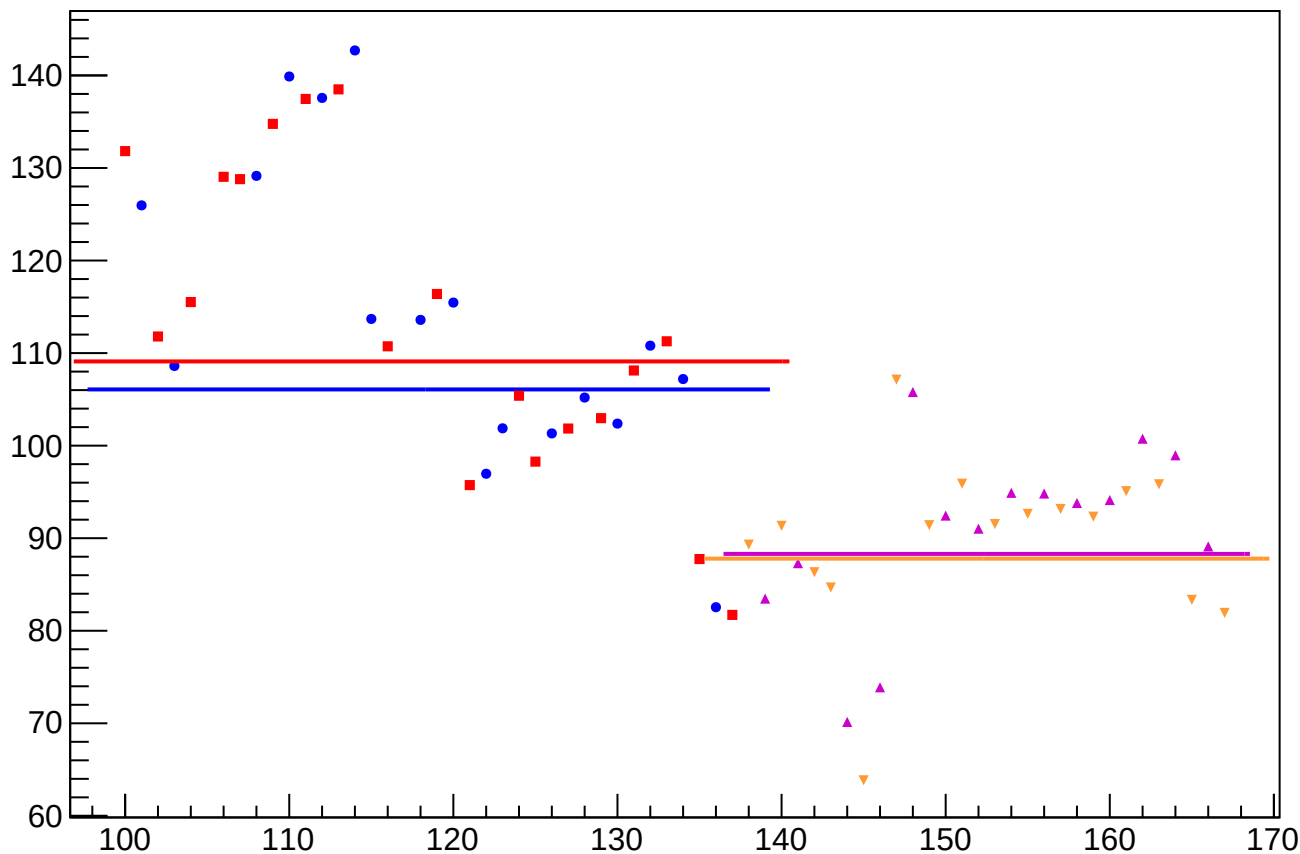
Right: 77.572 $\pm$ 29.352 χ^2 /NDF: 25.0/35

In: 56.267 $\pm$ 22.653 χ^2 /NDF:25.9/30

Out: 0.103 $\pm$ 21.777 χ^2 /NDF:29.0/34

All: 27.079 $\pm$ 15.699 χ^2 /NDF: 58.2/65

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: 88.306 $\pm$ 0.019 χ^2 /NDF:291190.2/13

Left: 88.036 $\pm$ 0.013 χ^2 /NDF: 624787.6/29

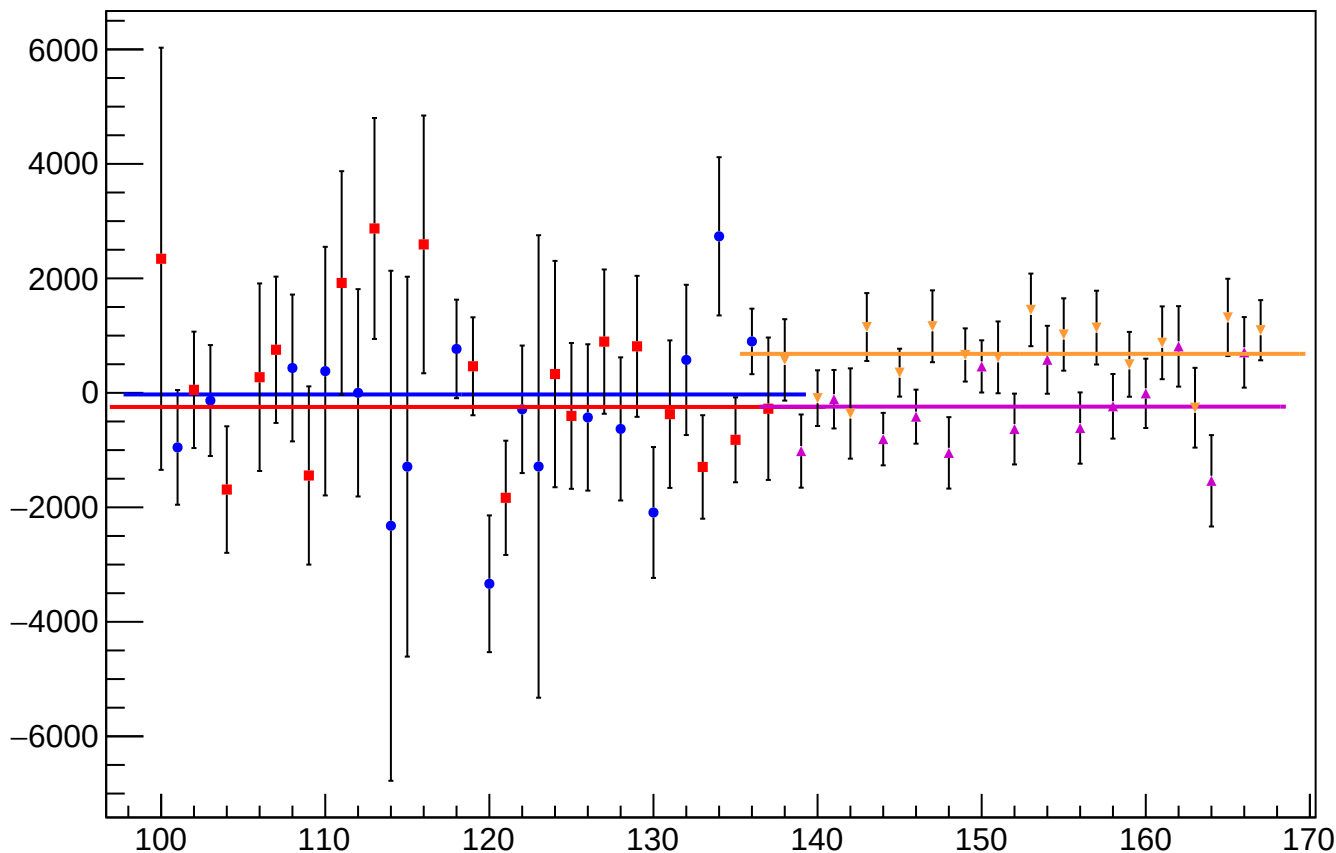
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 93.568 $\pm$ 0.016 χ^2 /NDF:865586.3/30

Out: 93.690 $\pm$ 0.015 χ^2 /NDF:1001851.5/34

All: 93.631 $\pm$ 0.011 χ^2 /NDF: 1867467.8/65

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 ± 283.741 $\chi^2/\text{NDF}: 20.5/16$

Left Out: 681.528 ± 145.978 $\chi^2/\text{NDF}: 11.9/15$

Right Out: -246.386 ± 279.451 $\chi^2/\text{NDF}: 15.9/18$

Left In: -240.666 ± 152.443 $\chi^2/\text{NDF}: 17.3/13$

Left: 240.403 ± 105.434 $\chi^2/\text{NDF}: 48.3/29$

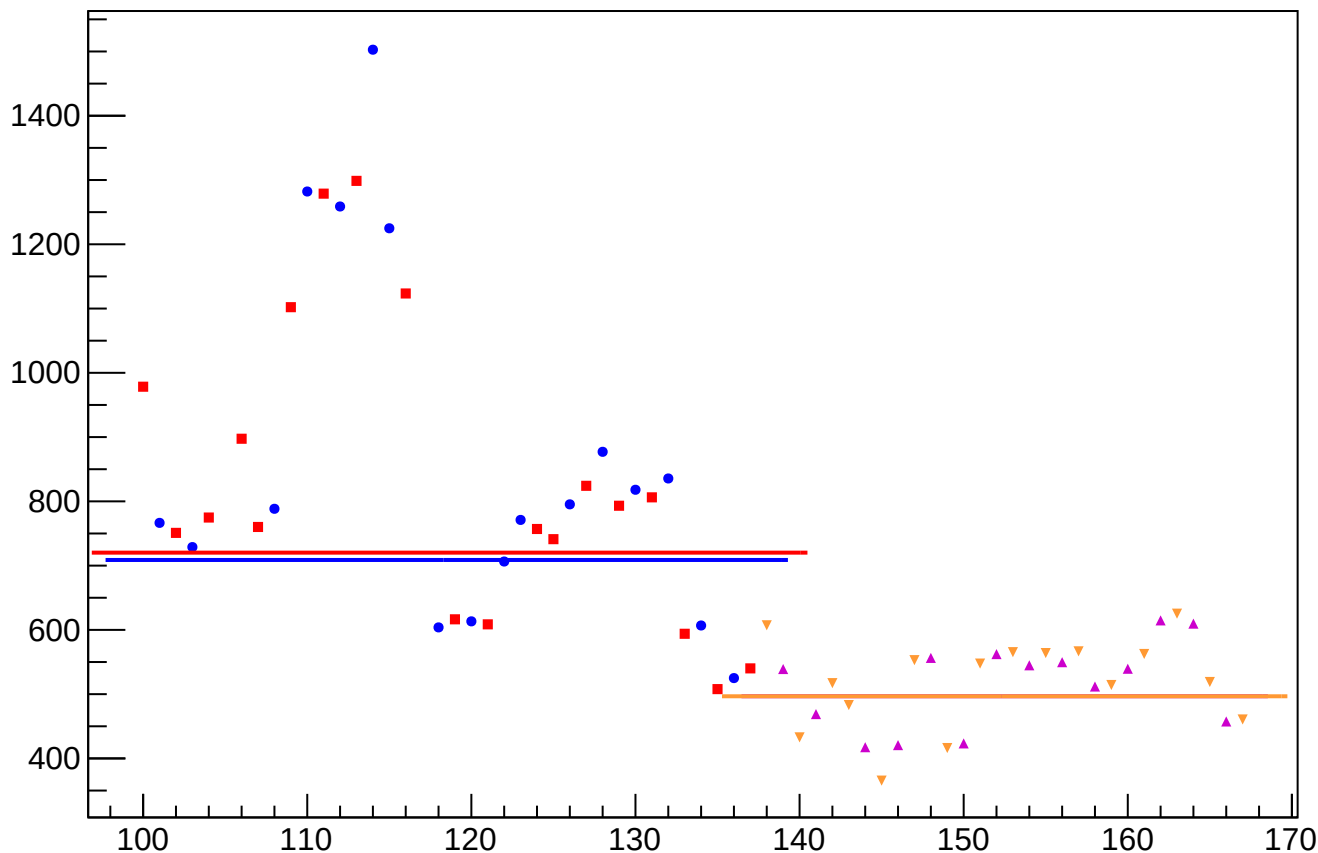
Right: -138.842 ± 199.101 $\chi^2/\text{NDF}: 36.7/35$

In: -193.023 ± 134.289 $\chi^2/\text{NDF}: 38.3/30$

Out: 482.605 ± 129.388 $\chi^2/\text{NDF}: 36.4/34$

All: 157.346 ± 93.176 $\chi^2/\text{NDF}: 87.8/65$

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: 496.759 $\pm$ 0.108 χ^2 /NDF: 362744.9/13

Left: 496.729 $\pm$ 0.075 χ^2 /NDF: 906359.6/29

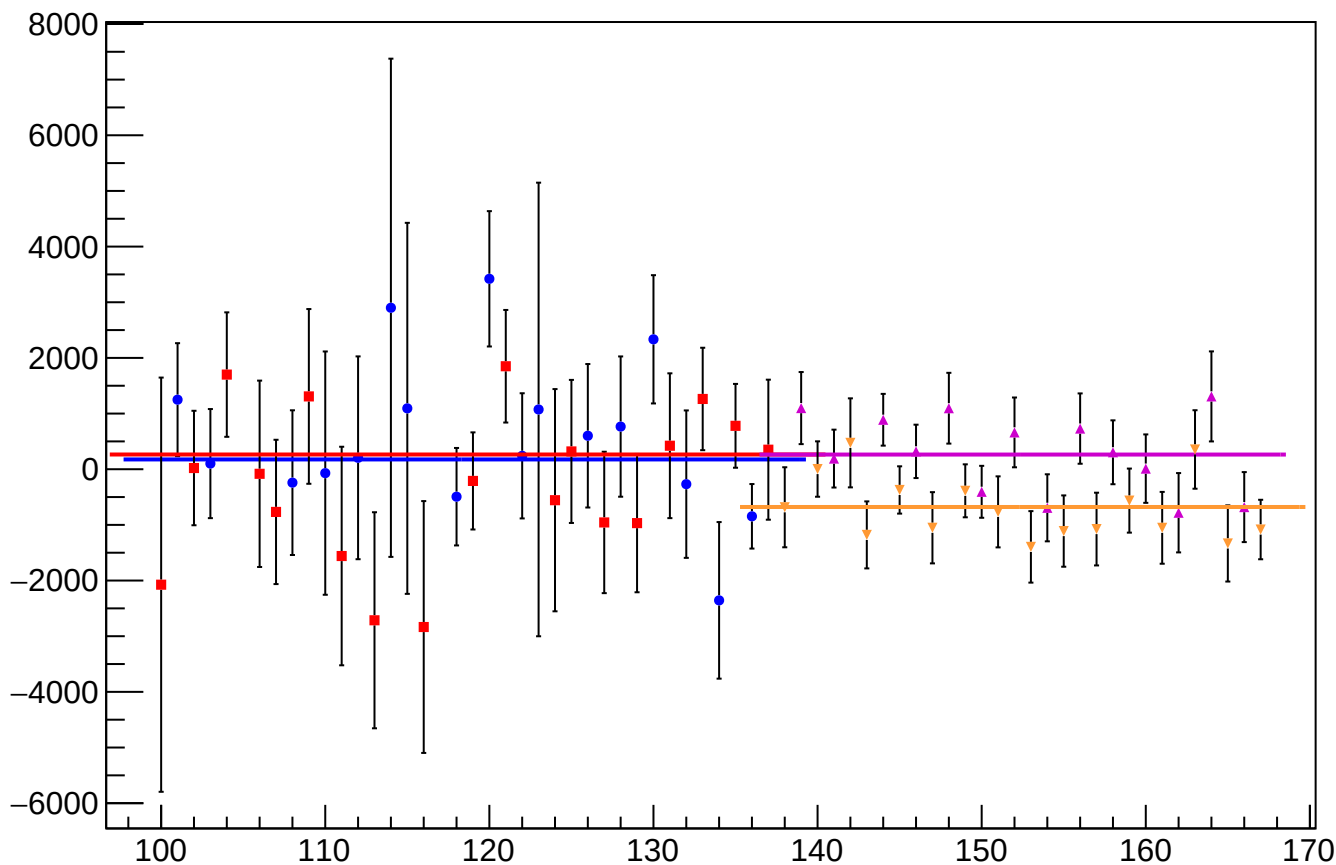
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 544.251 $\pm$ 0.095 χ^2 /NDF: 2022898.7/30

Out: 544.615 $\pm$ 0.091 χ^2 /NDF: 2448593.0/34

All: 544.440 $\pm$ 0.066 χ^2 /NDF: 4471499.3/65

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 ± 287.218 χ^2/NDF : 19.7/16

Left Out: -678.442 ± 148.383 χ^2/NDF : 12.0/15

Right Out: 264.622 ± 283.074 χ^2/NDF : 14.8/18

Left In: 263.652 ± 154.963 χ^2/NDF : 17.0/13

Left: -227.821 ± 107.174 χ^2/NDF : 48.3/29

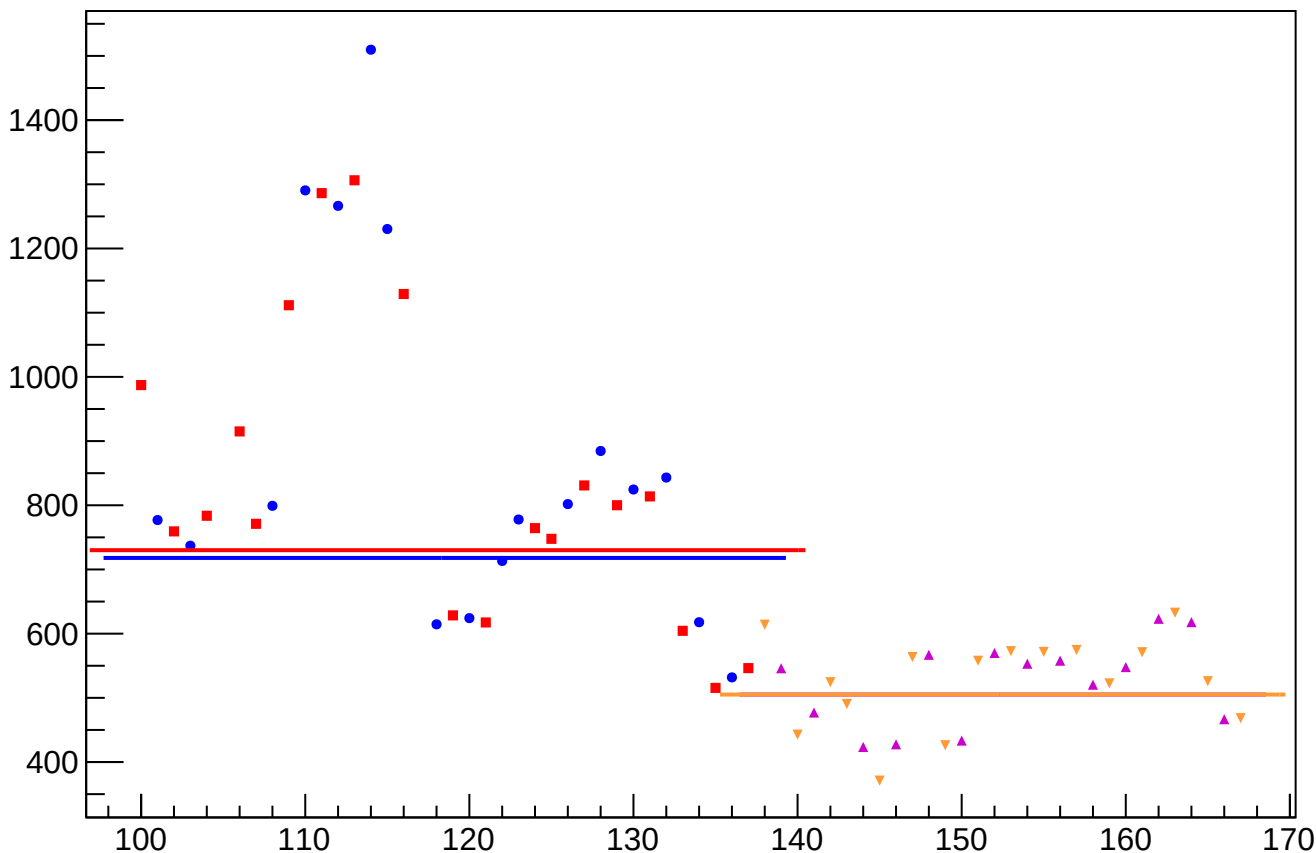
Right: 220.883 ± 201.613 χ^2/NDF : 34.6/35

In: 243.857 ± 136.380 χ^2/NDF : 36.8/30

Out: -475.169 ± 131.422 χ^2/NDF : 35.5/34

All: -128.962 ± 94.634 χ^2/NDF : 86.7/65

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: 505.146 $\pm$ 0.110 χ^2 /NDF: 354390.7/13

Left: 505.149 $\pm$ 0.076 χ^2 /NDF: 884293.8/29

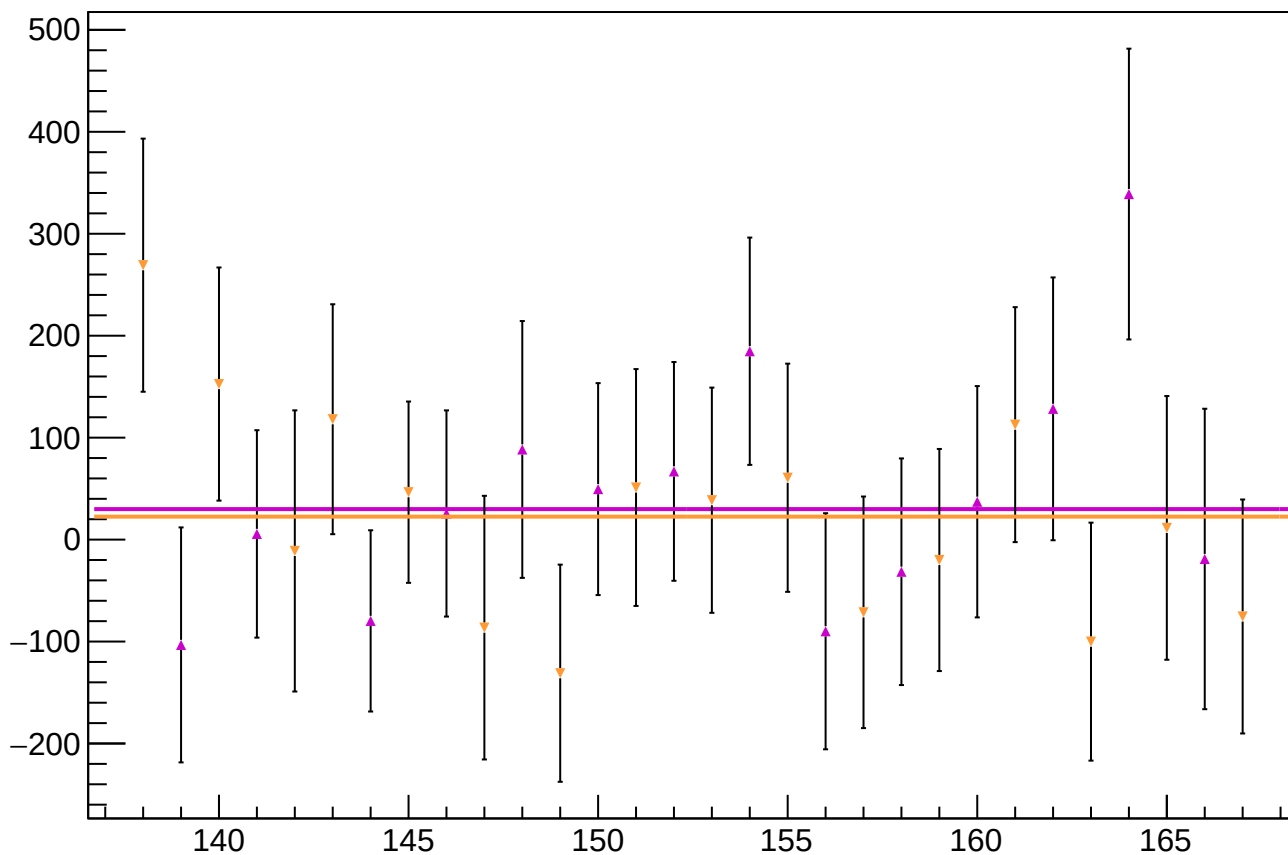
Right: 724.094 $\pm$ 0.143 χ^2 /NDF: 1662212.8/35

In: 553.130 $\pm$ 0.096 χ^2 /NDF: 1983528.0/30

Out: 553.625 $\pm$ 0.093 χ^2 /NDF: 2401966.0/34

All: 553.387 $\pm$ 0.067 χ^2 /NDF: 4385507.7/65

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 22.524 $\pm$ 28.523 χ^2 /NDF:12.4/15

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

Left In: 29.921 $\pm$ 30.045 χ^2 /NDF:12.0/13

Left: 26.030 $\pm$ 20.686 χ^2 /NDF: 24.4/29

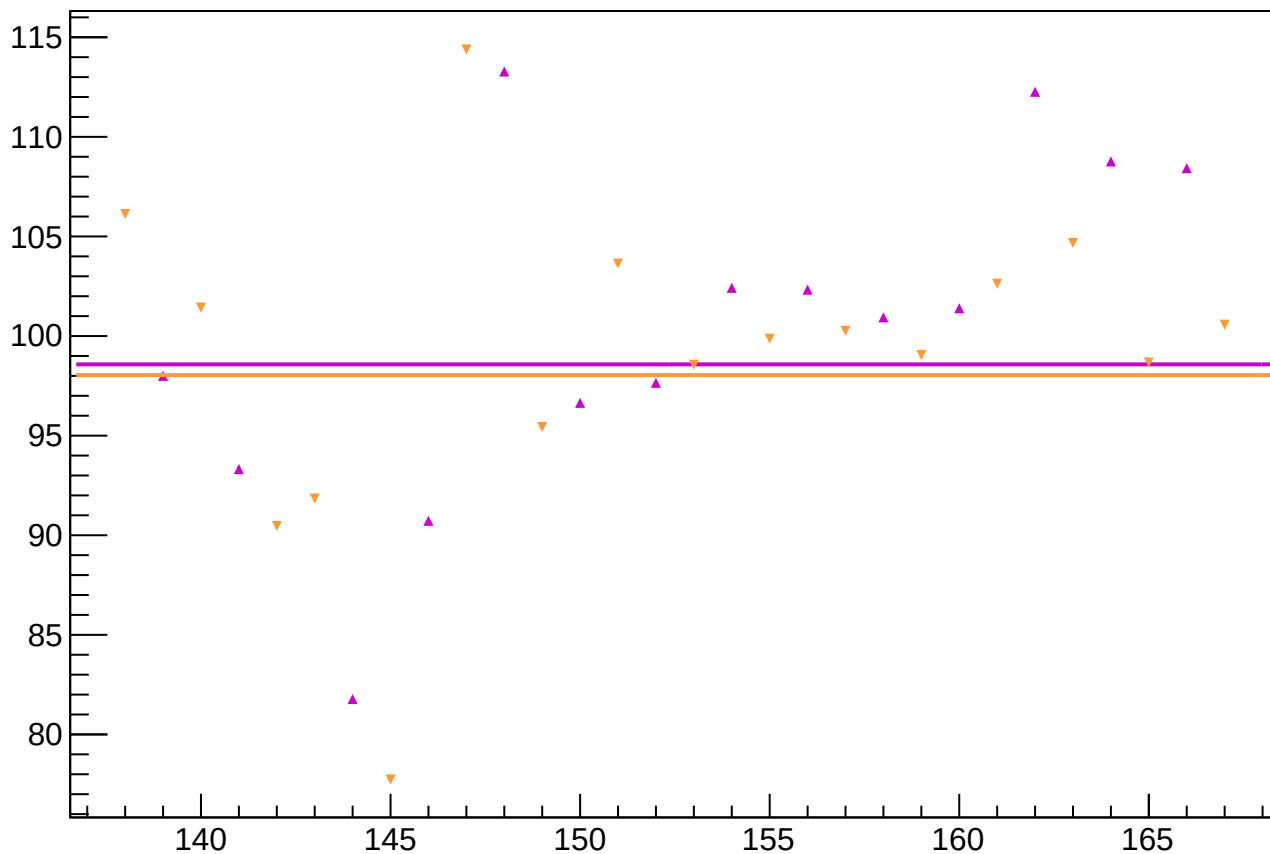
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 29.921 $\pm$ 30.045 χ^2 /NDF:12.0/13

Out: 22.524 $\pm$ 28.523 χ^2 /NDF:12.4/15

All: 26.030 $\pm$ 20.686 χ^2 /NDF: 24.4/29

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: 98.579+/-0.021 χ^2/NDF :165295.5/13

Left: 98.295+/-0.015 χ^2/NDF : 342205.9/29

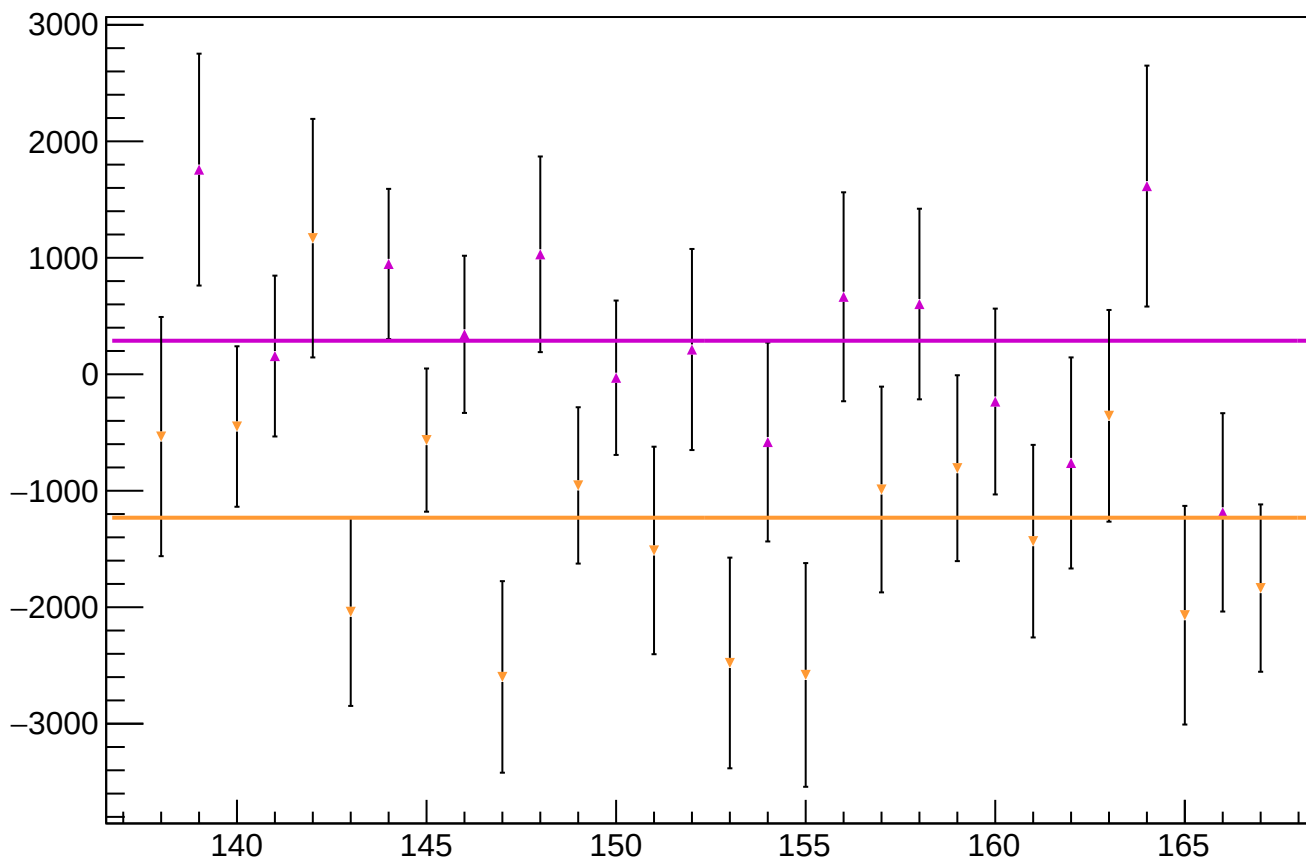
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 98.579+/-0.021 χ^2/NDF :165295.5/13

Out: 98.040+/-0.020 χ^2/NDF :176572.7/15

All: 98.295+/-0.015 χ^2/NDF : 342205.9/29

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: 287.998+/-213.408 χ^2/NDF :12.1/13

Left: -506.301+/-147.427 χ^2/NDF : 57.7/29

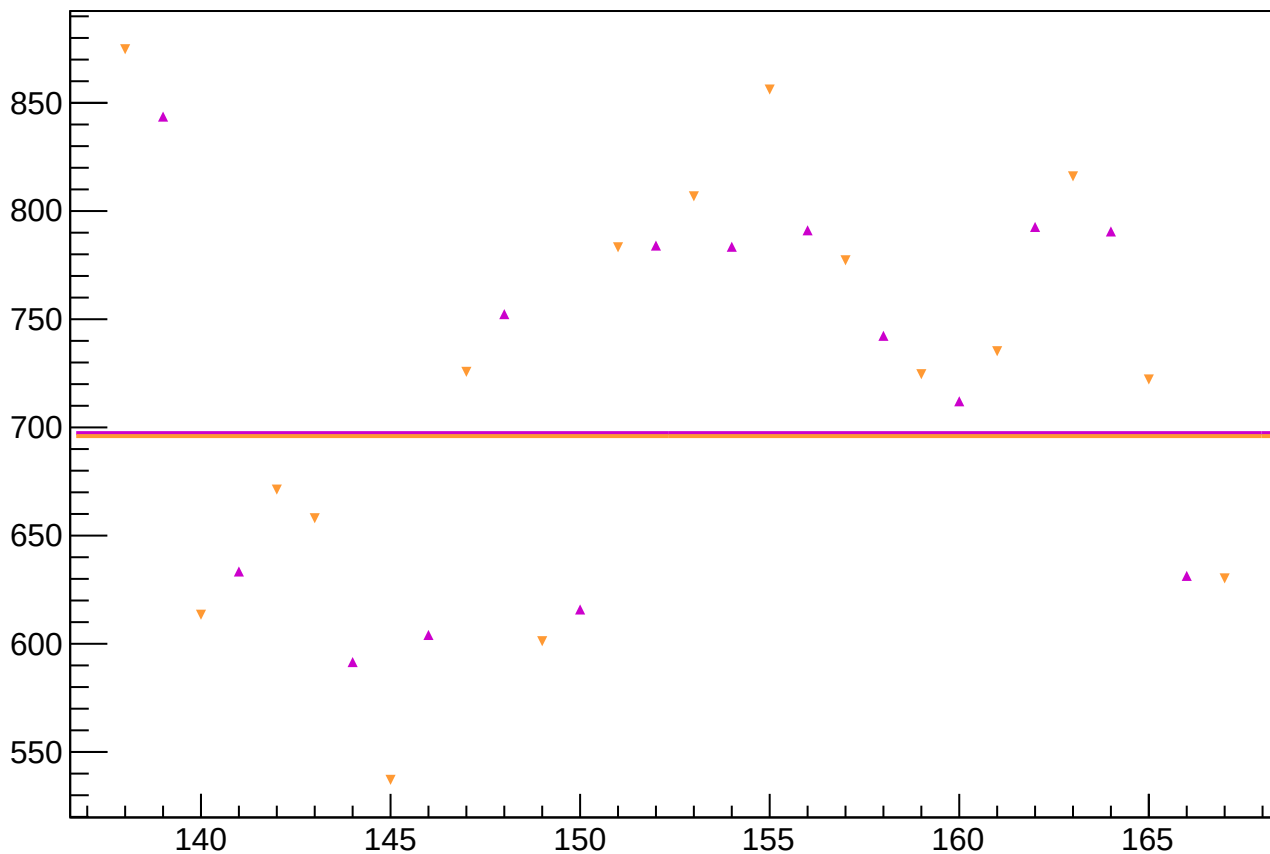
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 287.998+/-213.408 χ^2/NDF :12.1/13

Out: -1231.434+/-203.905 χ^2/NDF :19.2/15

All: -506.301+/-147.427 χ^2/NDF : 57.7/29

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: 697.358+/-0.151 χ^2/NDF :310749.8/13

Left: 696.642+/-0.104 χ^2/NDF : 763906.6/29

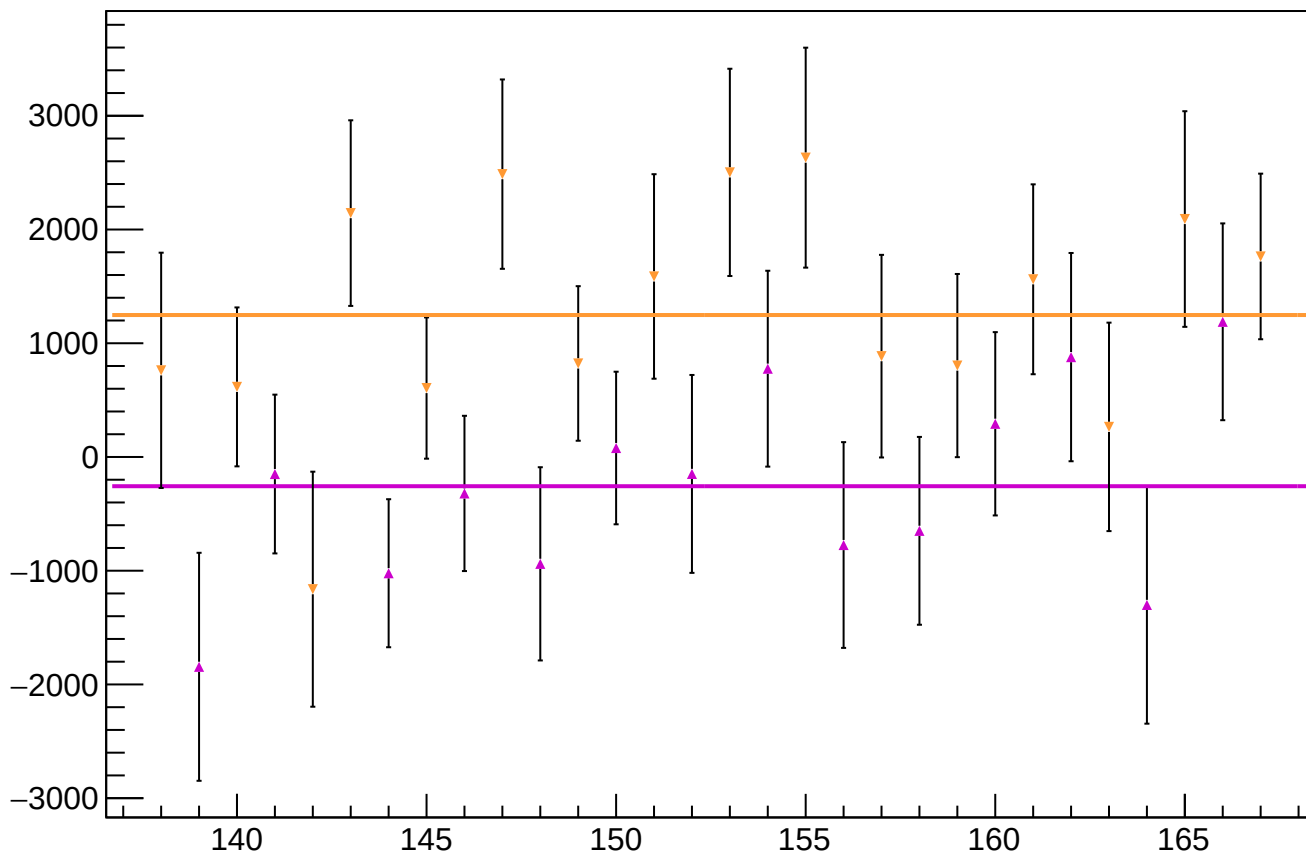
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 697.358+/-0.151 χ^2/NDF :310749.8/13

Out: 695.989+/-0.144 χ^2/NDF :453113.7/15

All: 696.642+/-0.104 χ^2/NDF : 763906.6/29

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: -257.046+/-215.636 χ^2/NDF :12.6/13

Left: 529.824+/-148.964 χ^2/NDF : 56.6/29

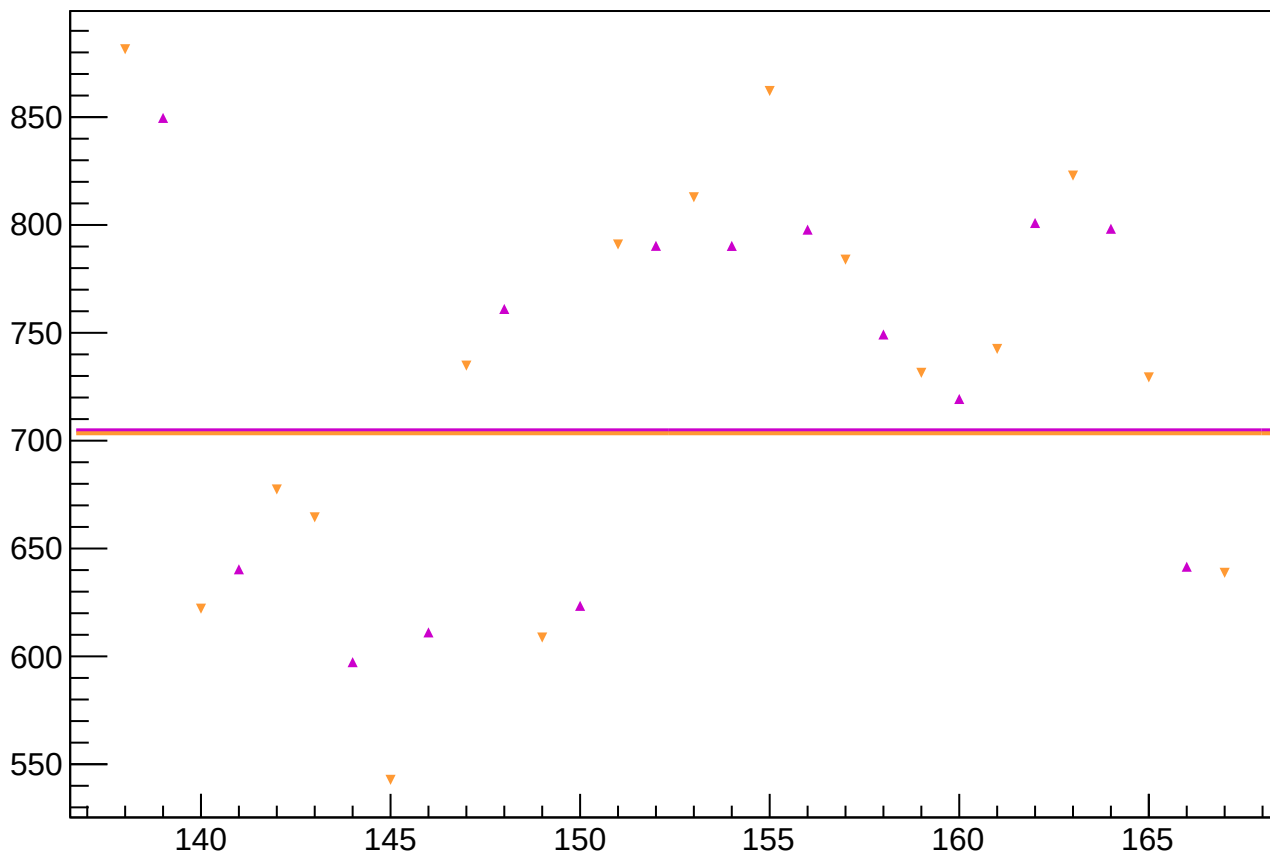
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -257.046+/-215.636 χ^2/NDF :12.6/13

Out: 1248.124+/-206.026 χ^2/NDF :18.5/15

All: 529.824+/-148.964 χ^2/NDF : 56.6/29

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: 704.787+/-0.152 χ^2/NDF :304602.8/13

Left: 704.077+/-0.105 χ^2/NDF : 748366.6/29

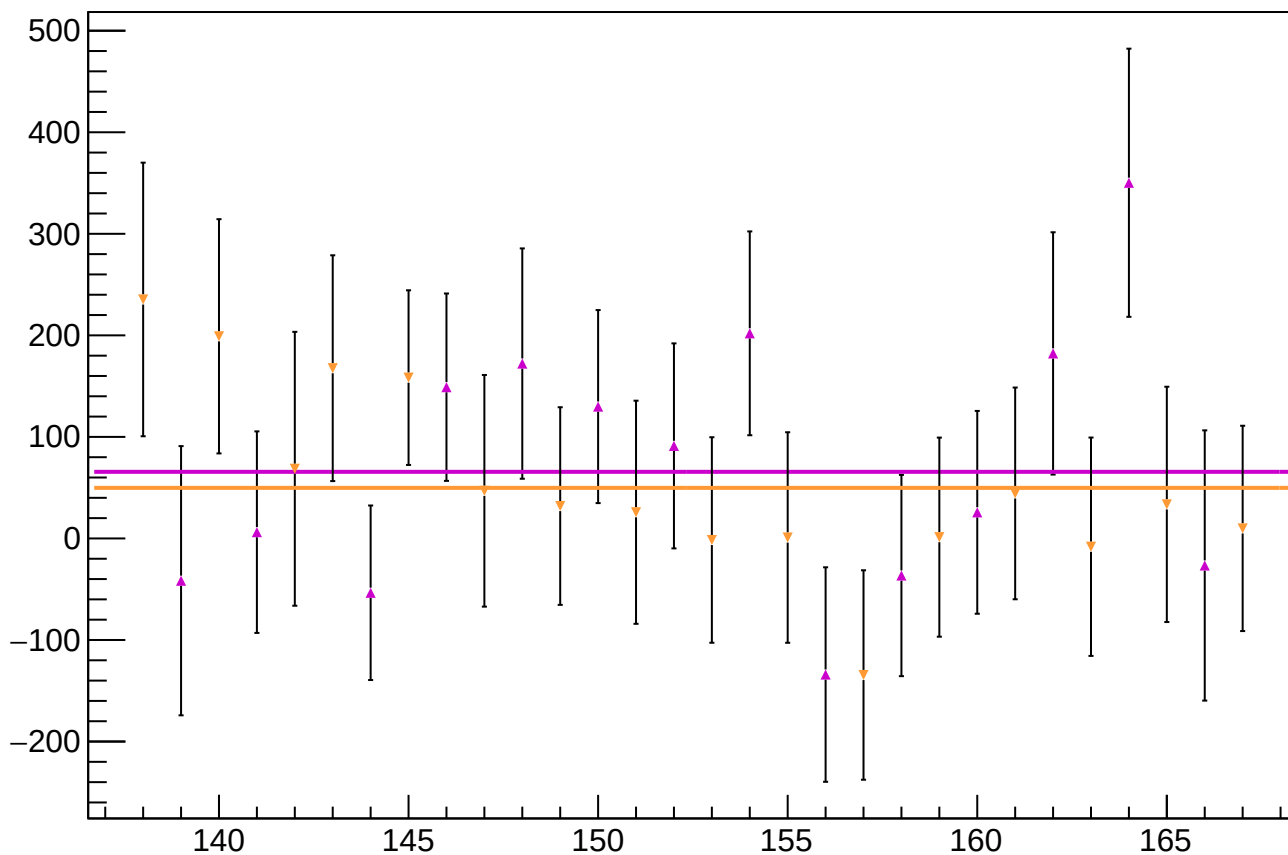
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 704.787+/-0.152 χ^2/NDF :304602.8/13

Out: 703.429+/-0.146 χ^2/NDF :443722.3/15

All: 704.077+/-0.105 χ^2/NDF : 748366.6/29

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 49.813+/-26.667 χ^2/NDF :10.8/15

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

Left In: 65.600+/-28.028 χ^2/NDF :17.9/13

Left: 57.314+/-19.319 χ^2/NDF : 28.8/29

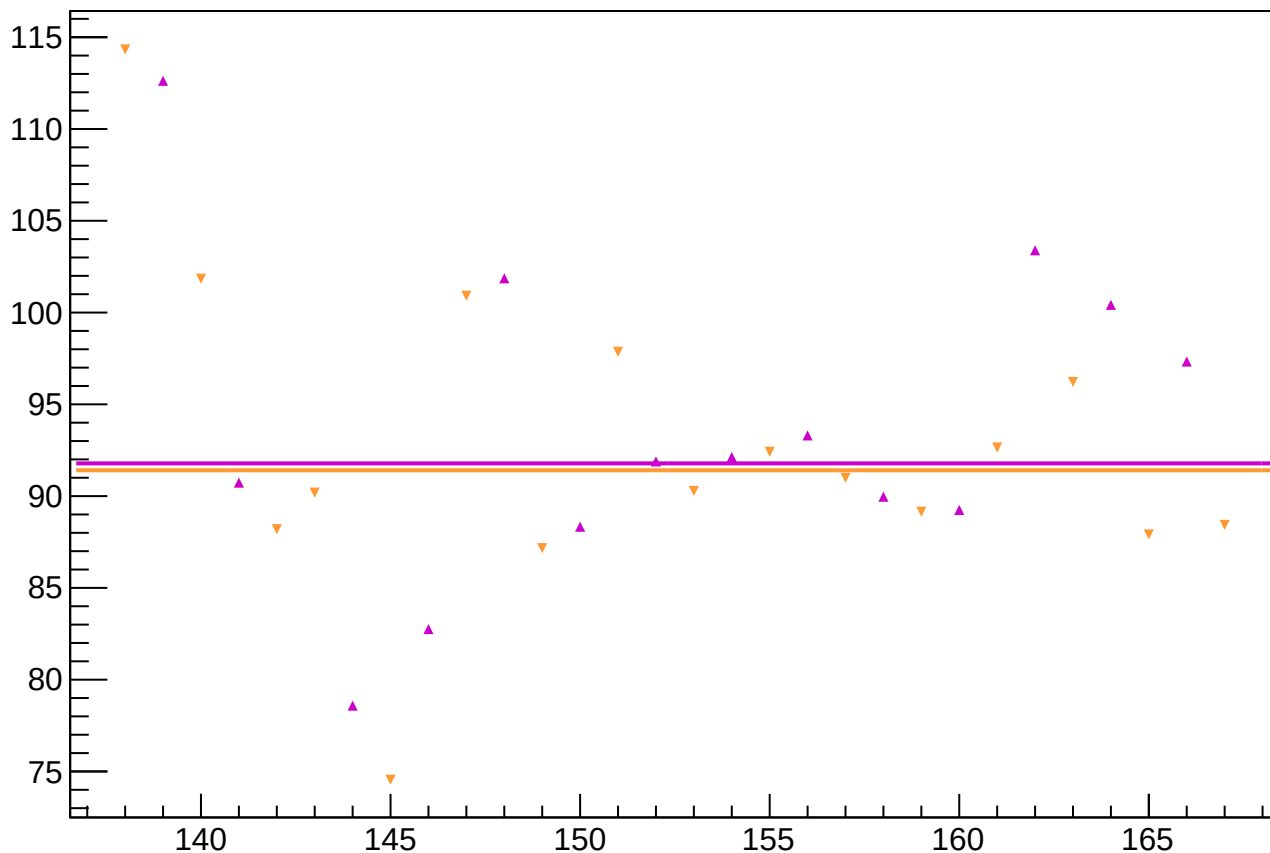
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 65.600+/-28.028 χ^2/NDF :17.9/13

Out: 49.813+/-26.667 χ^2/NDF :10.8/15

All: 57.314+/-19.319 χ^2/NDF : 28.8/29

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: 91.784+/-0.020 χ^2/NDF :167810.9/13

Left: 91.586+/-0.014 χ^2/NDF : 354452.2/29

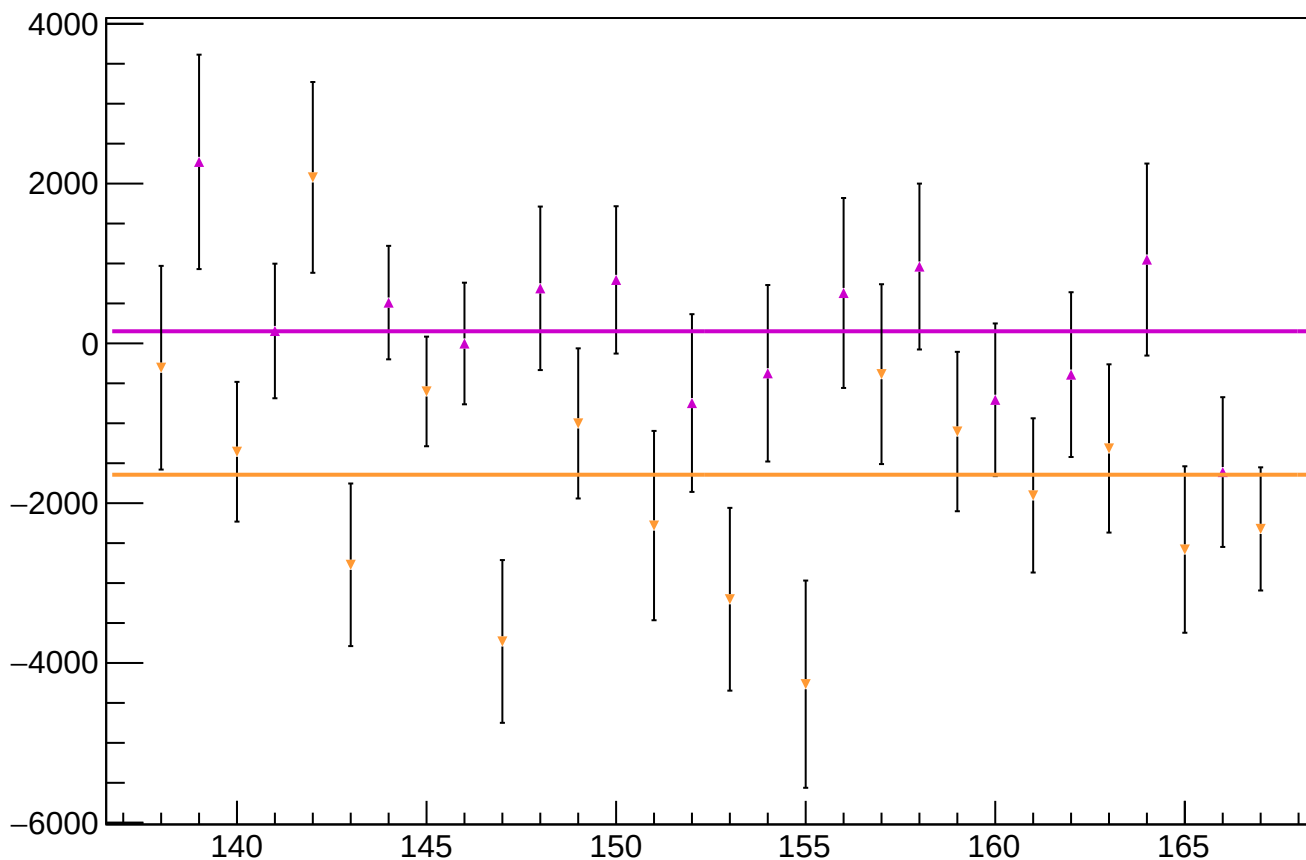
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 91.784+/-0.020 χ^2/NDF :167810.9/13

Out: 91.407+/-0.019 χ^2/NDF :186451.7/15

All: 91.586+/-0.014 χ^2/NDF : 354452.2/29

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: 151.567+/-258.763 χ^2/NDF :10.4/13

Left: -784.170+/-179.054 χ^2/NDF : 64.1/29

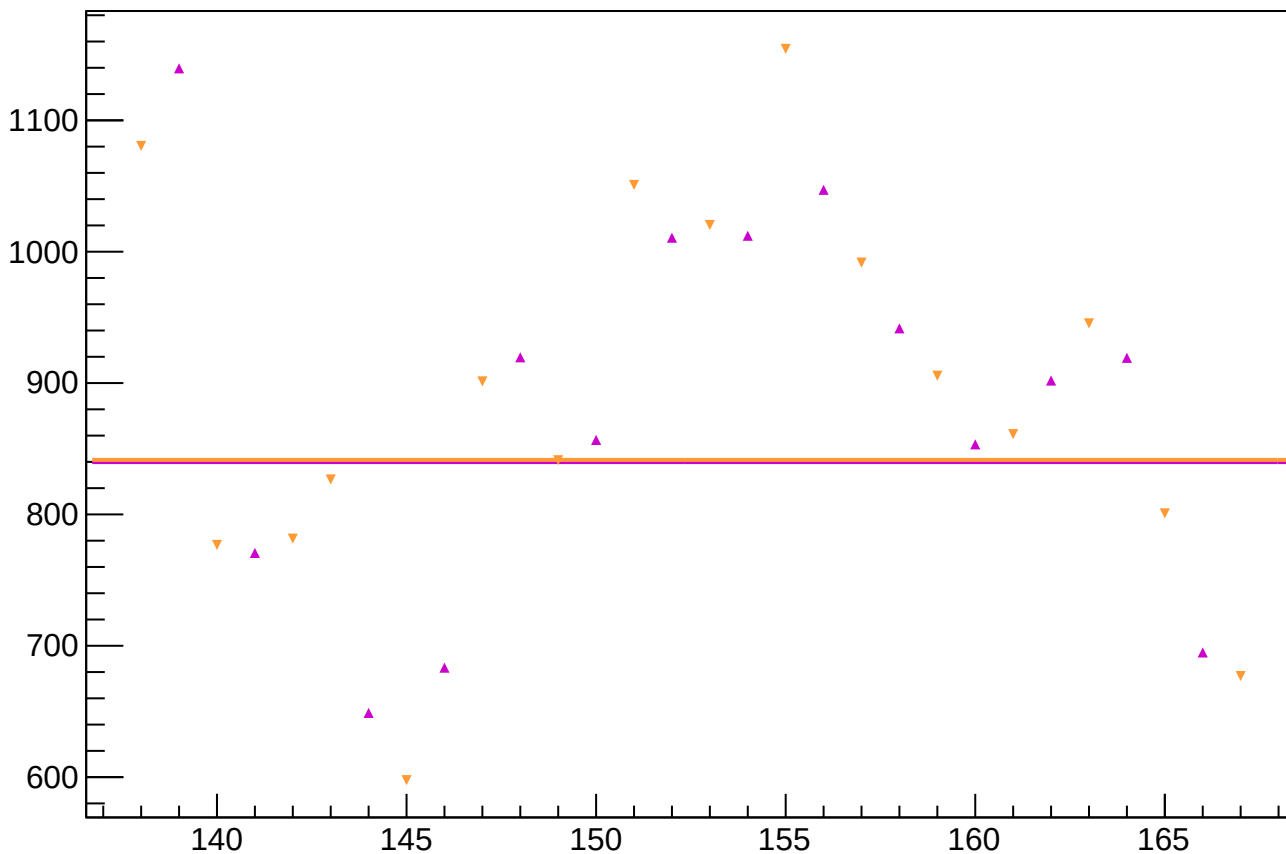
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 151.567+/-258.763 χ^2/NDF :10.4/13

Out: -1643.824+/-248.020 χ^2/NDF :28.7/15

All: -784.170+/-179.054 χ^2/NDF : 64.1/29

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: 839.848+/-0.183 χ^2/NDF : 595264.9/13

Left: 840.722+/-0.127 χ^2/NDF : 1327631.0/29

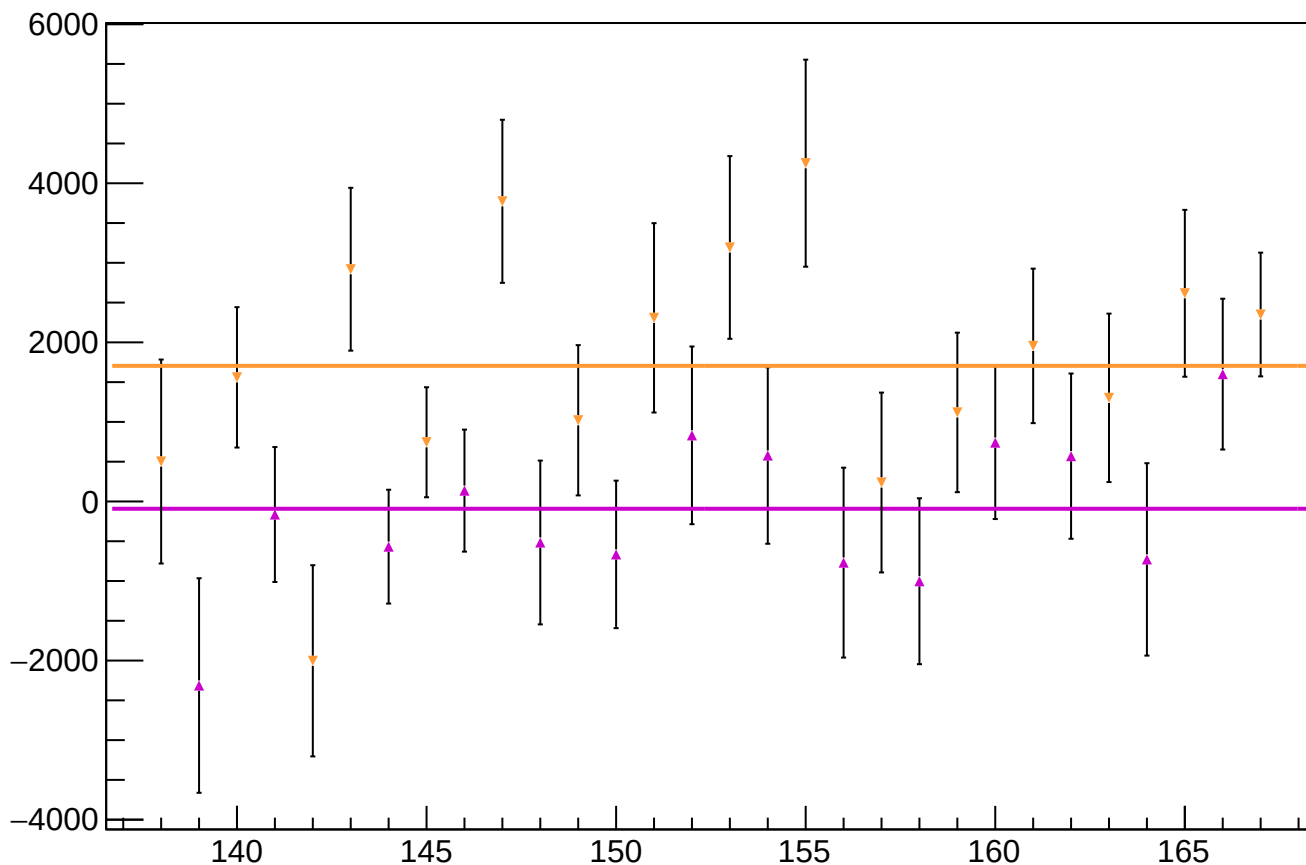
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 839.848+/-0.183 χ^2/NDF : 595264.9/13

Out: 841.524+/-0.175 χ^2/NDF : 732322.3/15

All: 840.722+/-0.127 χ^2/NDF : 1327631.0/29

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: -91.699+/-260.433 χ^2/NDF : 10.6/13

Left: 844.657+/-180.203 χ^2/NDF : 63.2/29

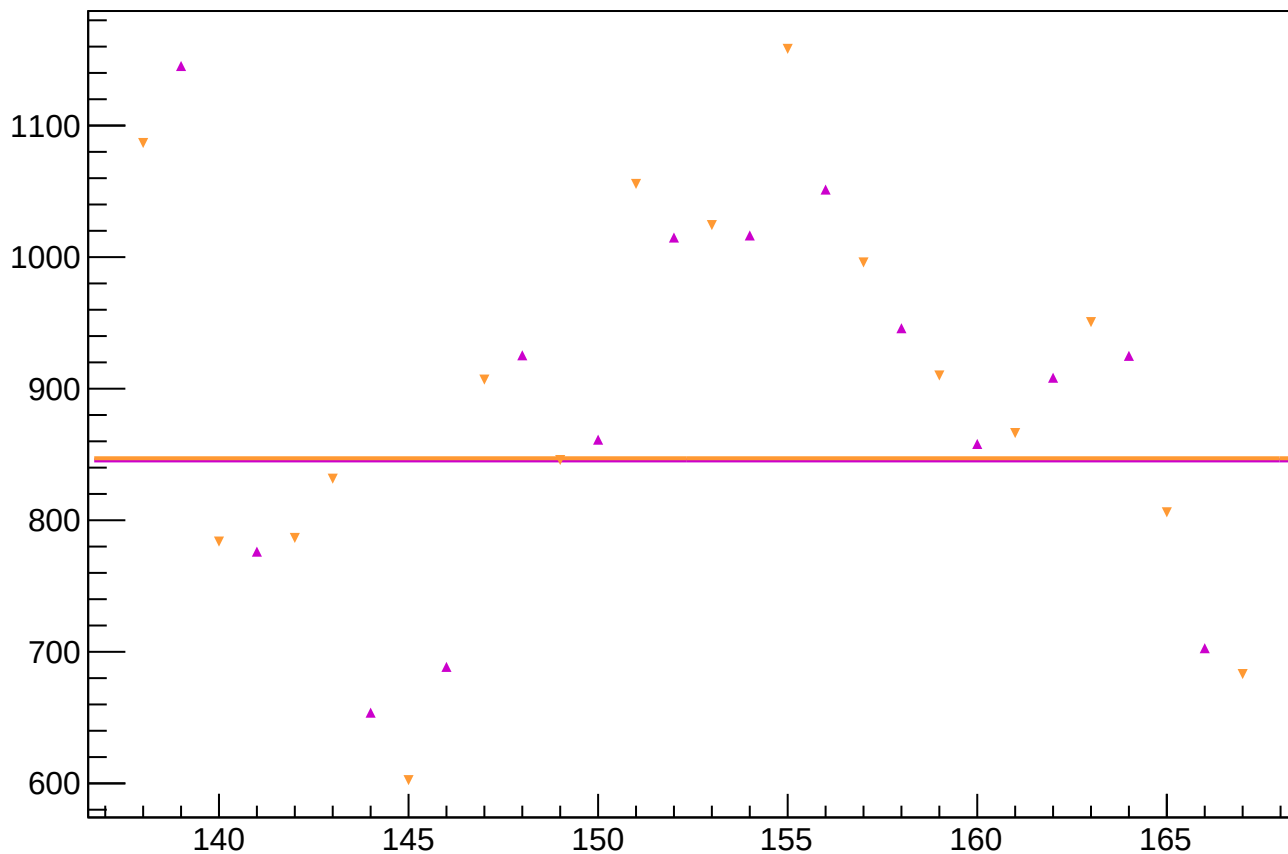
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -91.699+/-260.433 χ^2/NDF : 10.6/13

Out: 1704.757+/-249.603 χ^2/NDF : 27.8/15

All: 844.657+/-180.203 χ^2/NDF : 63.2/29

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: 845.484+/-0.184 χ^2/NDF : 585423.1/13

Left: 846.337+/-0.127 χ^2/NDF : 1306169.2/29

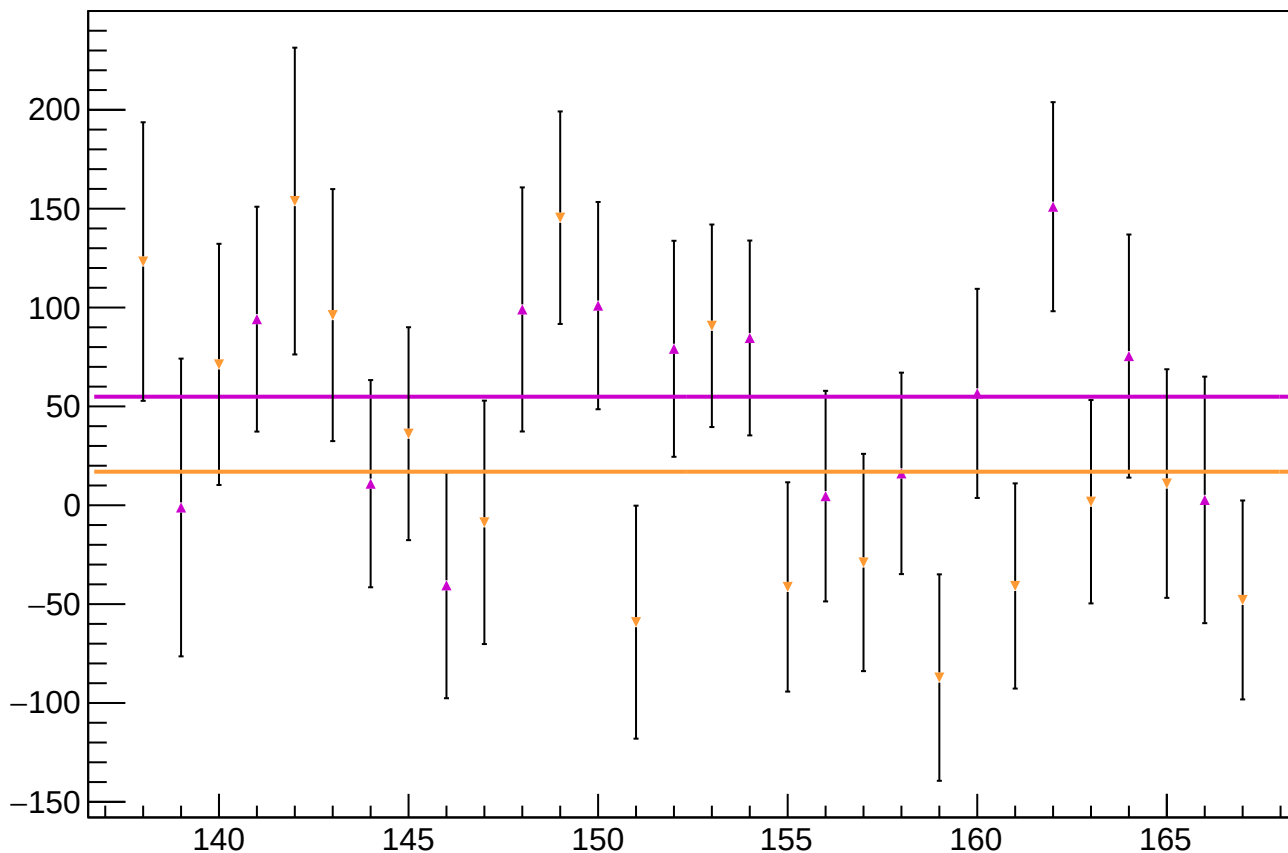
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 845.484+/-0.184 χ^2/NDF : 585423.1/13

Out: 847.121+/-0.176 χ^2/NDF : 720705.0/15

All: 846.337+/-0.127 χ^2/NDF : 1306169.2/29

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 16.968+/-14.134 χ^2/NDF :26.4/15

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

Left In: 54.905+/-14.899 χ^2/NDF :12.0/13

Left: 34.938+/-10.254 χ^2/NDF : 41.7/29

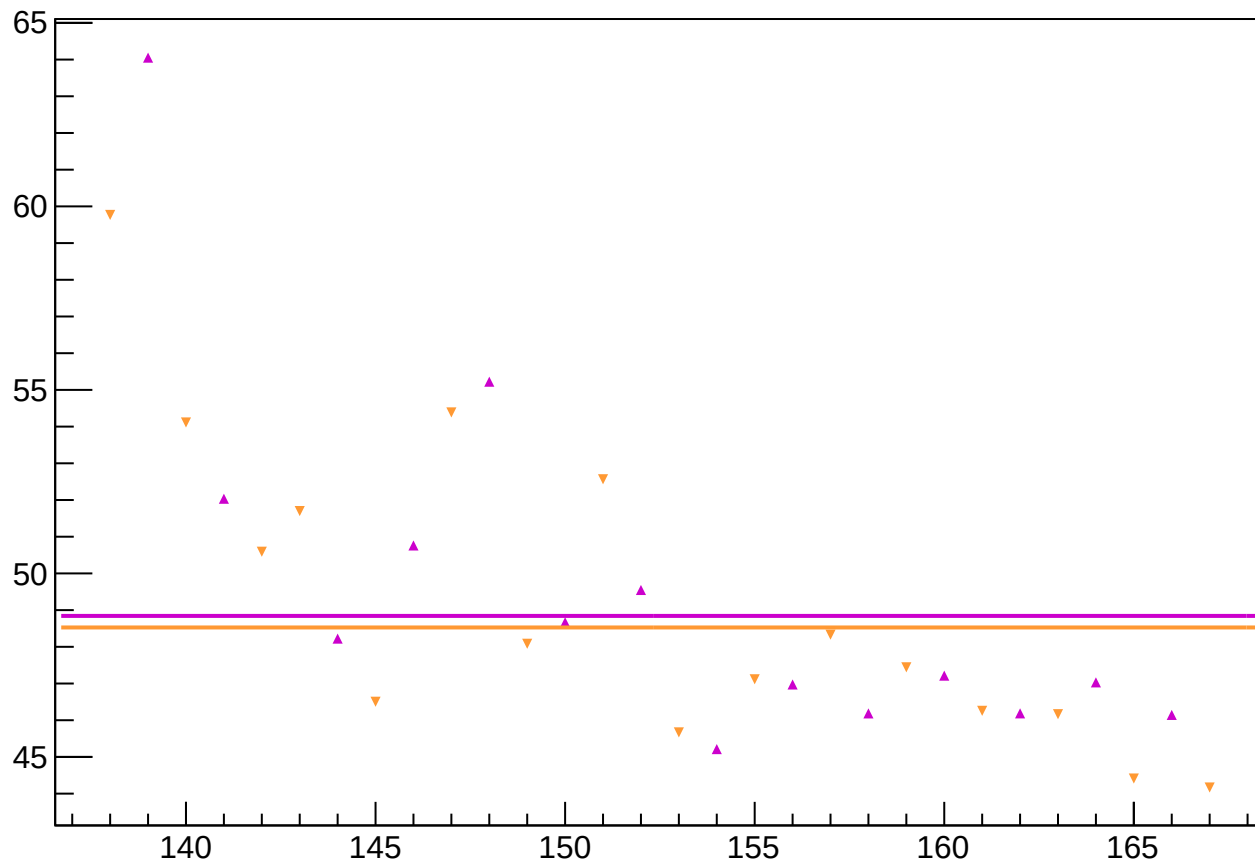
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 54.905+/-14.899 χ^2/NDF :12.0/13

Out: 16.968+/-14.134 χ^2/NDF :26.4/15

All: 34.938+/-10.254 χ^2/NDF : 41.7/29

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 48.527 $\pm$ 0.010 χ^2 /NDF:146296.1/15

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

Left In: 48.842 $\pm$ 0.011 χ^2 /NDF:143360.0/13

Left: 48.676 $\pm$ 0.007 χ^2 /NDF: 290126.7/29

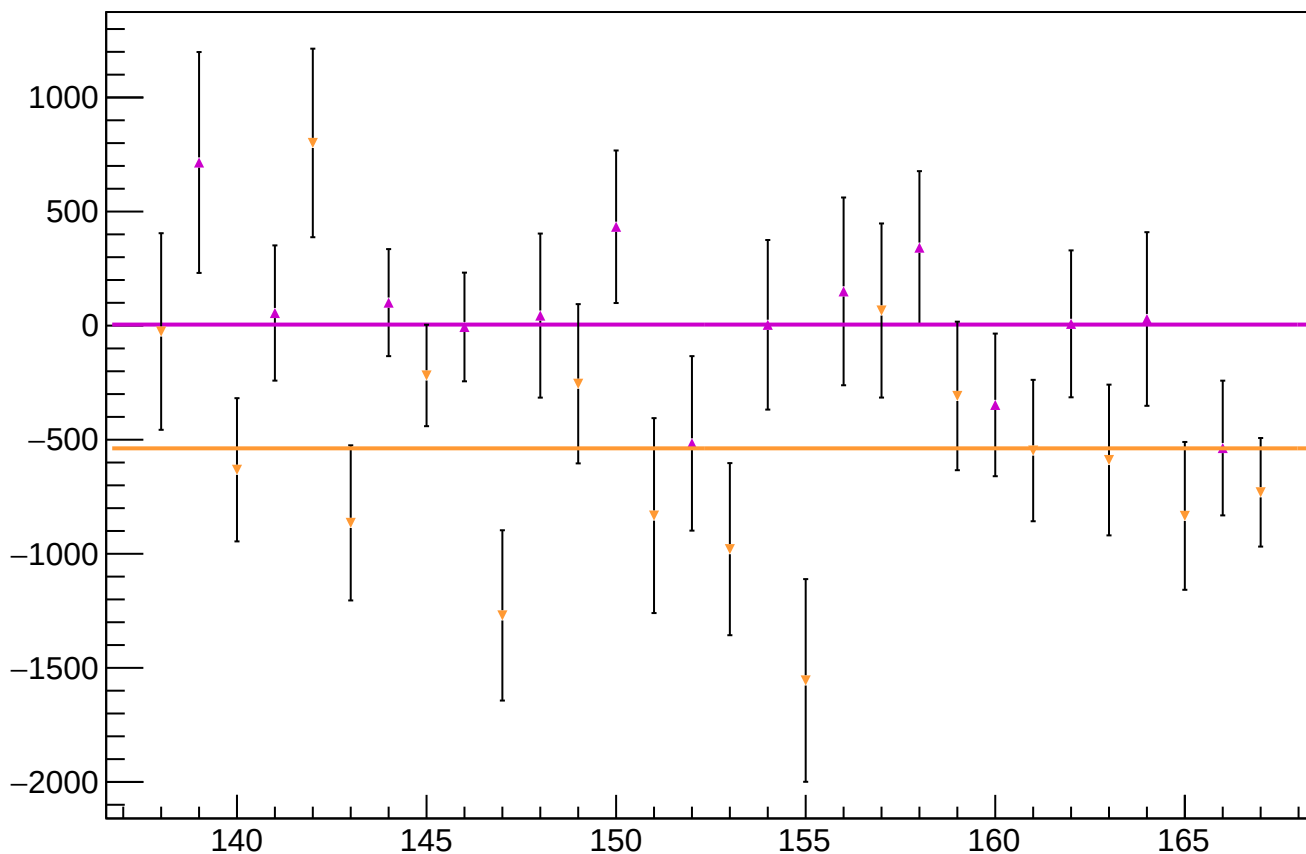
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 48.842 $\pm$ 0.011 χ^2 /NDF:143360.0/13

Out: 48.527 $\pm$ 0.010 χ^2 /NDF:146296.1/15

All: 48.676 $\pm$ 0.007 χ^2 /NDF: 290126.7/29

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: 4.606 ± 85.977 χ^2/NDF : 11.6/13

Left: -277.259 ± 59.592 χ^2/NDF : 63.4/29

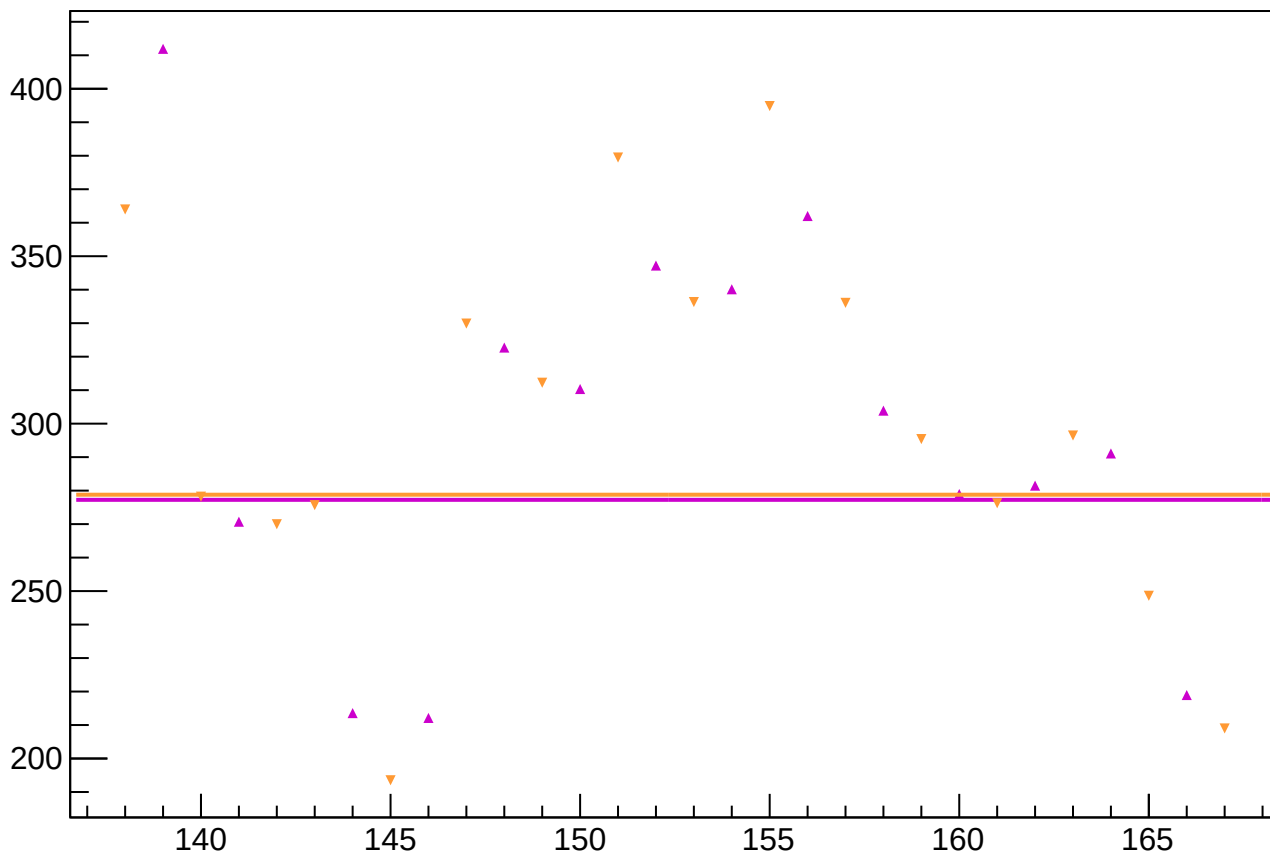
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: 4.606 ± 85.977 χ^2/NDF : 11.6/13

Out: -537.862 ± 82.671 χ^2/NDF : 31.1/15

All: -277.259 ± 59.592 χ^2/NDF : 63.4/29

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: 277.250+/-0.061 χ^2/NDF :806981.6/13

Left: 278.044+/-0.042 χ^2/NDF : 1776504.9/29

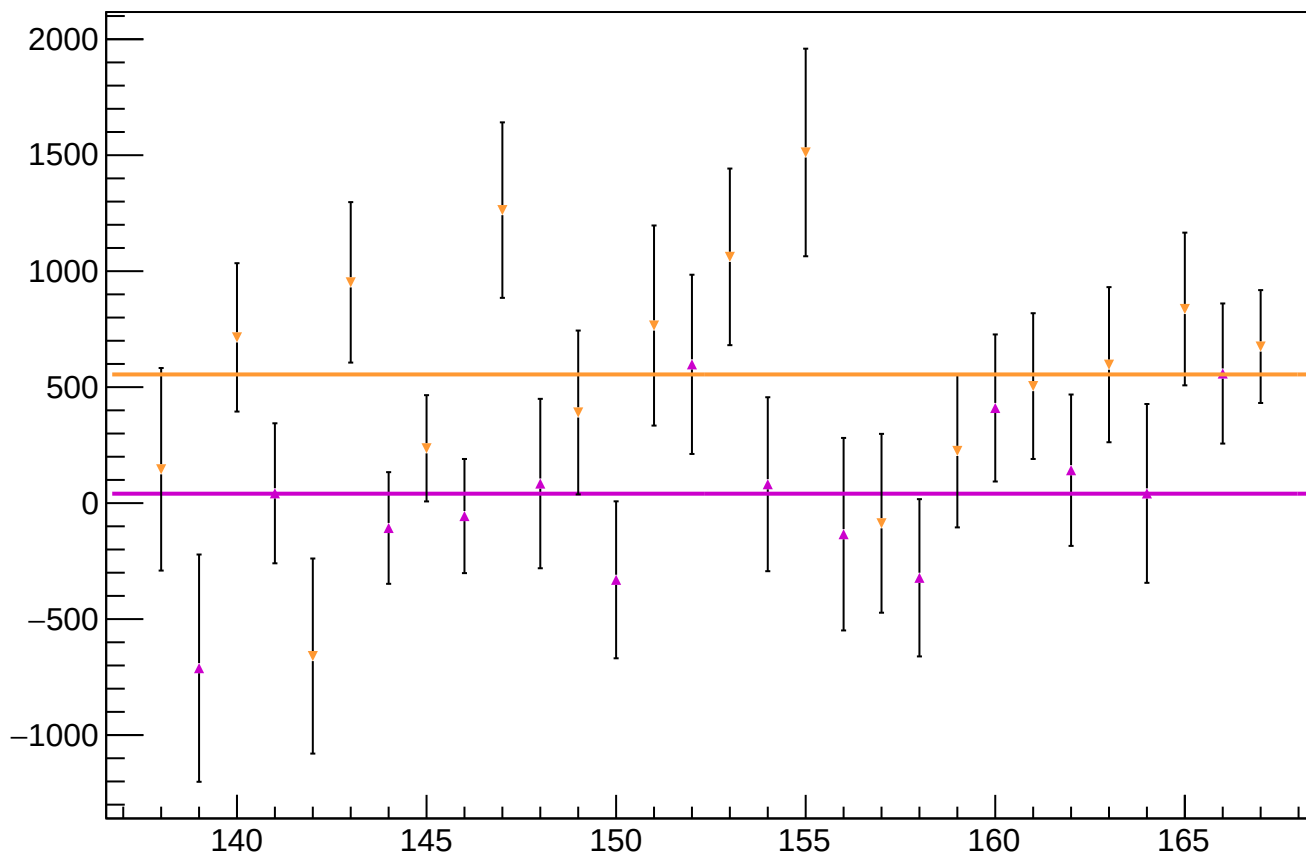
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 277.250+/-0.061 χ^2/NDF :806981.6/13

Out: 278.779+/-0.058 χ^2/NDF :969194.7/15

All: 278.044+/-0.042 χ^2/NDF : 1776504.9/29

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: 40.647+/-87.539 χ^2/NDF :11.9/13

Left: 308.091+/-60.637 χ^2/NDF : 57.7/29

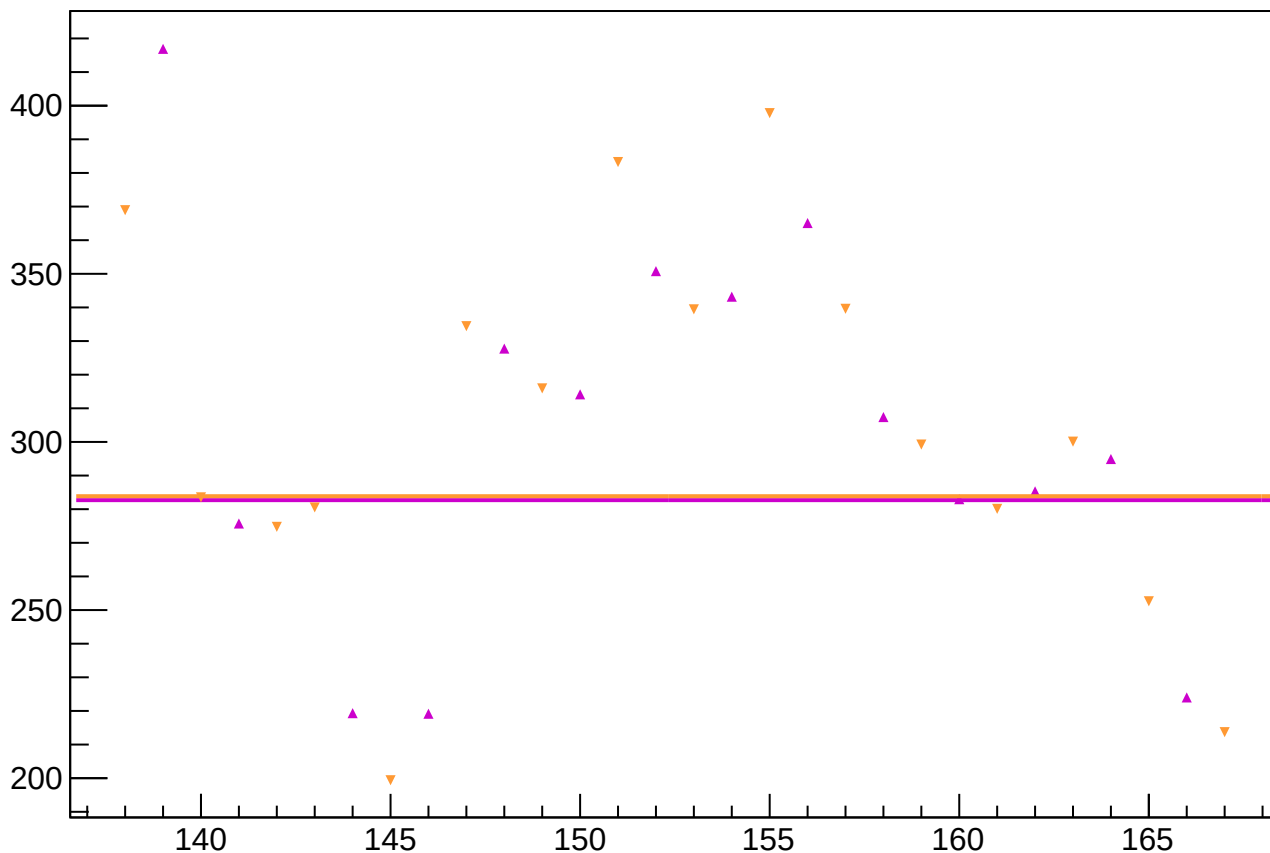
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 40.647+/-87.539 χ^2/NDF :11.9/13

Out: 554.779+/-84.074 χ^2/NDF :27.8/15

All: 308.091+/-60.637 χ^2/NDF : 57.7/29

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: 282.691+/-0.062 χ^2/NDF :752071.3/13

Left: 283.299+/-0.043 χ^2/NDF : 1667380.5/29

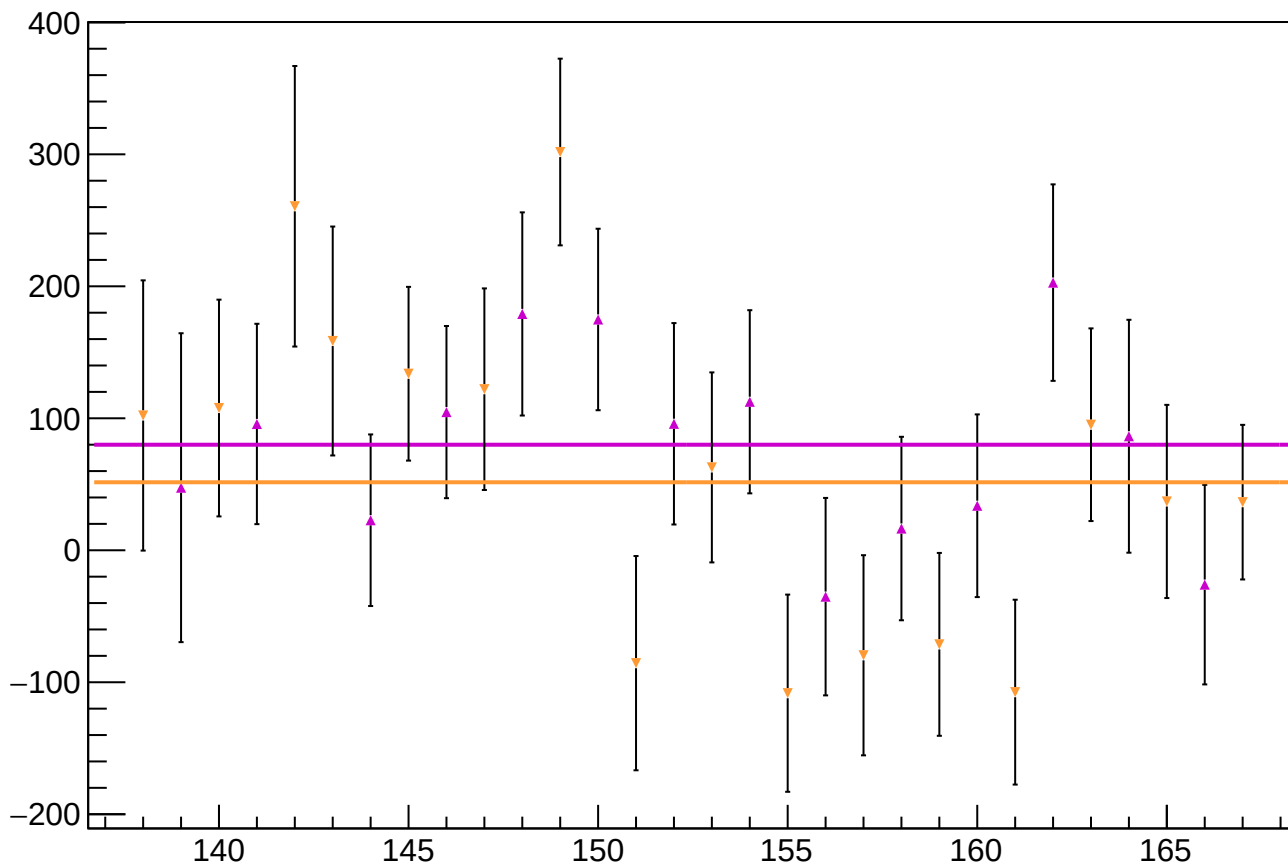
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 282.691+/-0.062 χ^2/NDF :752071.3/13

Out: 283.860+/-0.059 χ^2/NDF :915123.6/15

All: 283.299+/-0.043 χ^2/NDF : 1667380.5/29

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: 79.965 $\pm$ 19.778 χ^2 /NDF:13.2/13

Left: 64.988 $\pm$ 13.609 χ^2 /NDF: 54.5/29

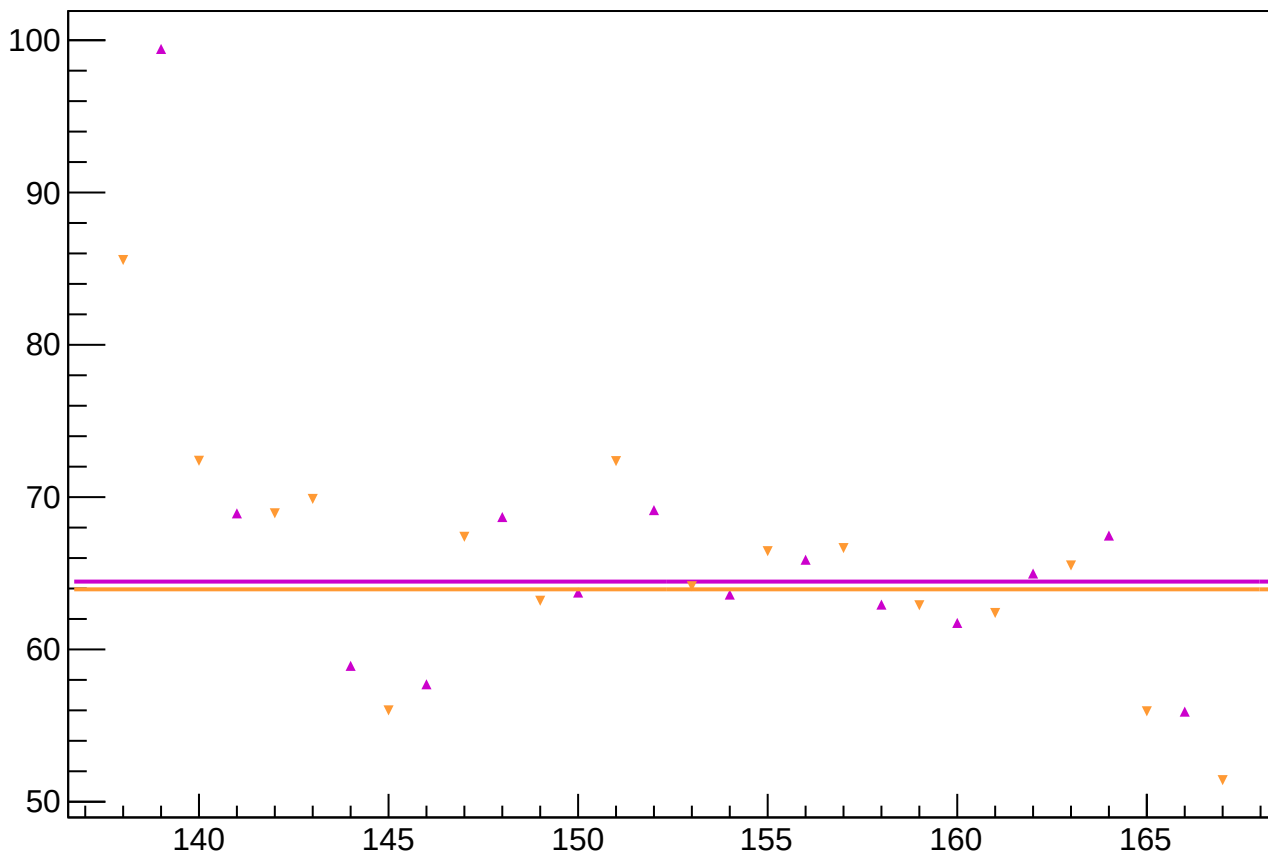
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 79.965 $\pm$ 19.778 χ^2 /NDF:13.2/13

Out: 51.523 $\pm$ 18.753 χ^2 /NDF:40.2/15

All: 64.988 $\pm$ 13.609 χ^2 /NDF: 54.5/29

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: 64.454+/-0.014 χ^2/NDF :268313.2/13

Left: 64.187+/-0.010 χ^2/NDF : 570744.6/29

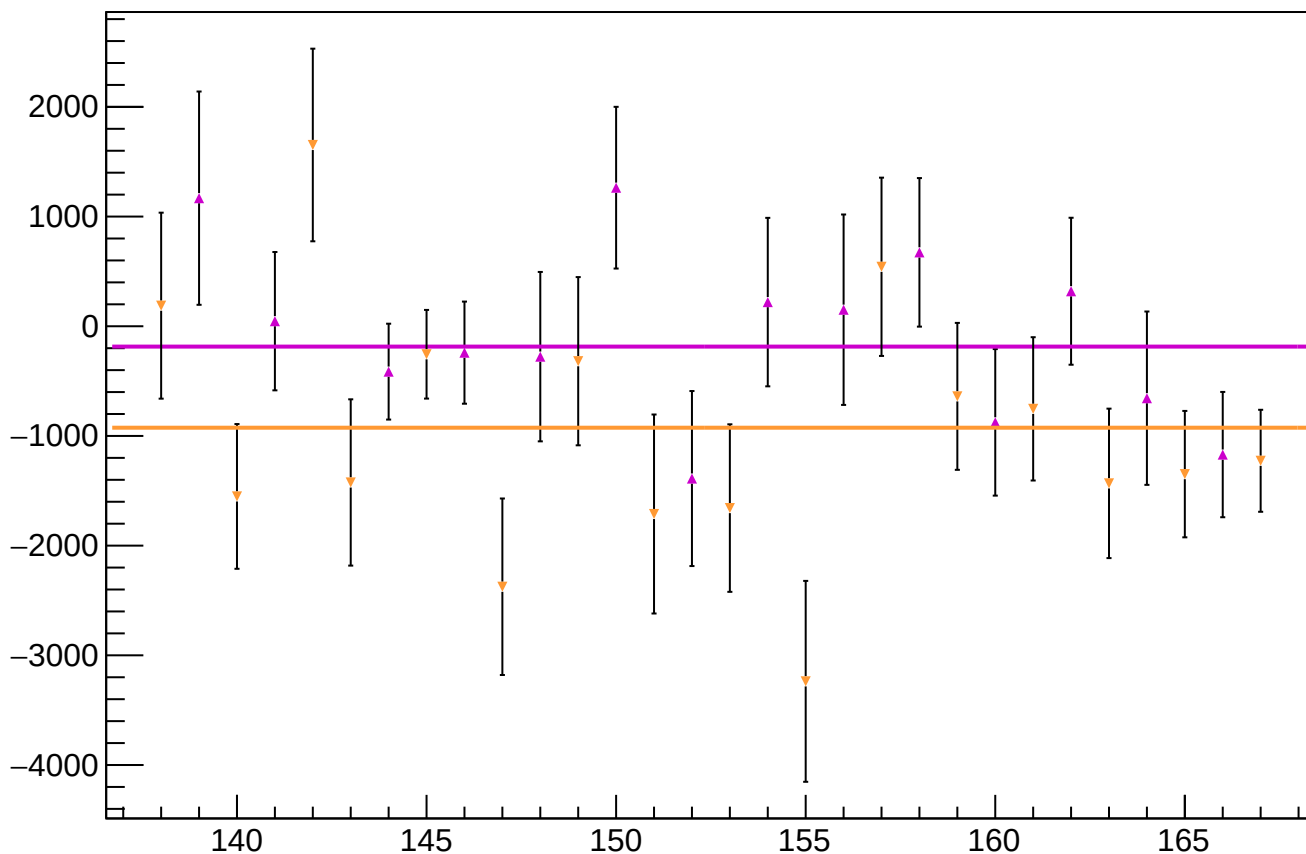
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.454+/-0.014 χ^2/NDF :268313.2/13

Out: 63.946+/-0.013 χ^2/NDF :301735.6/15

All: 64.187+/-0.010 χ^2/NDF : 570744.6/29

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: -185.452+/-174.472 χ^2/NDF :15.5/13

Left: -572.579+/-120.434 χ^2/NDF : 56.3/29

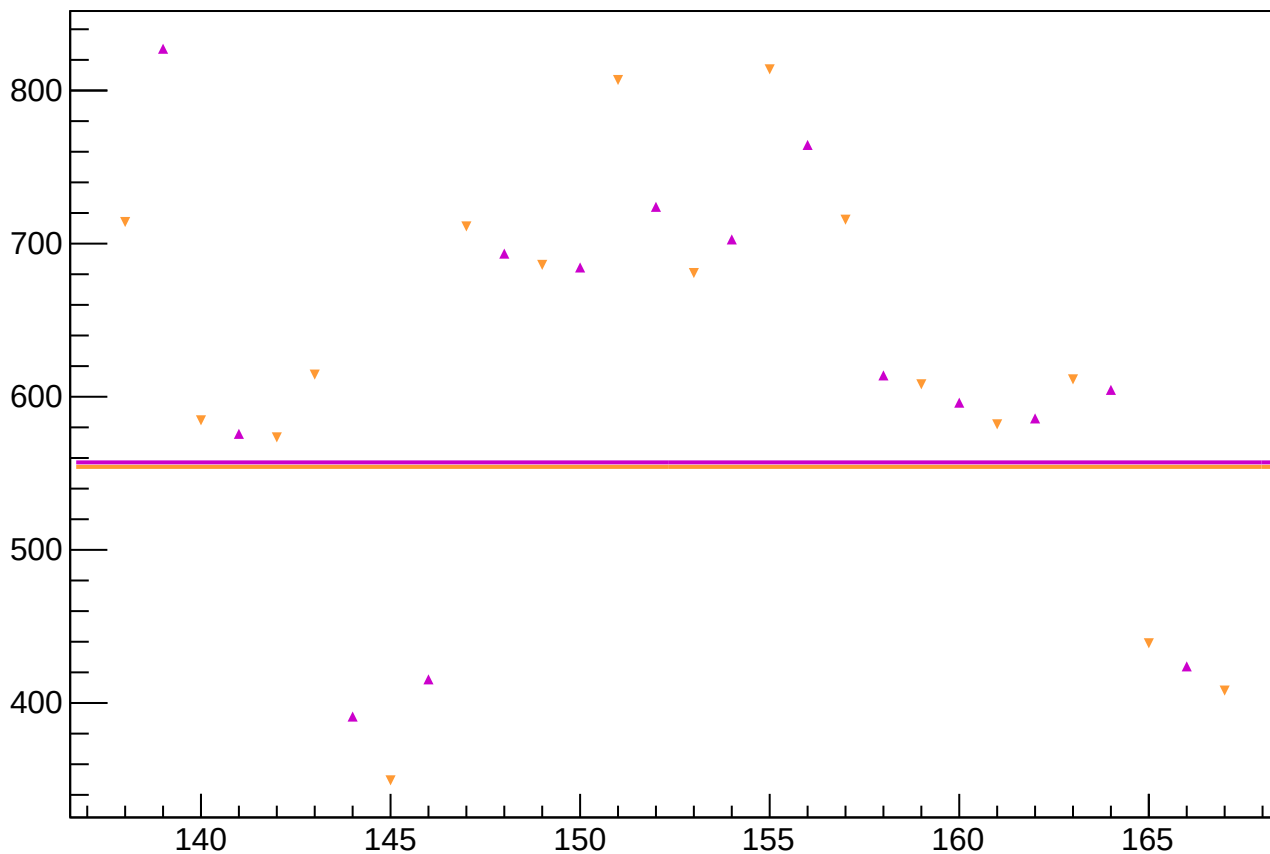
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -185.452+/-174.472 χ^2/NDF :15.5/13

Out: -924.915+/-166.448 χ^2/NDF :31.4/15

All: -572.579+/-120.434 χ^2/NDF : 56.3/29

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: 557.133+/-0.123 χ^2/NDF :1166034.6/13

Left: 555.590+/-0.085 χ^2/NDF : 2661700.0/29

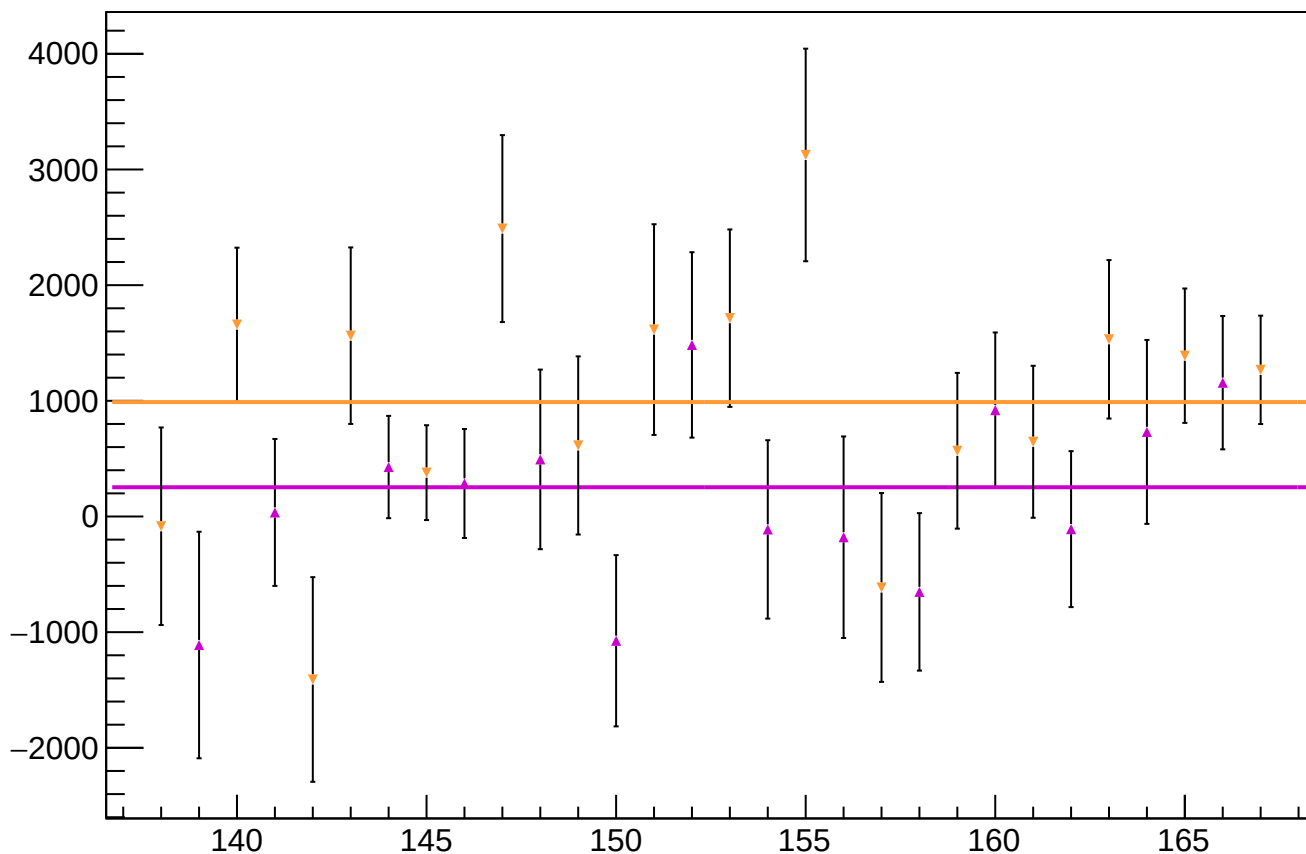
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 557.133+/-0.123 χ^2/NDF :1166034.6/13

Out: 554.185+/-0.118 χ^2/NDF :1495366.4/15

All: 555.590+/-0.085 χ^2/NDF : 2661700.0/29

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 989.203+/-167.714 χ^2/NDF : 29.2/15

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

Left In: 252.781+/-175.832 χ^2/NDF : 14.2/13

Left: 638.384+/-121.360 χ^2/NDF : 52.6/29

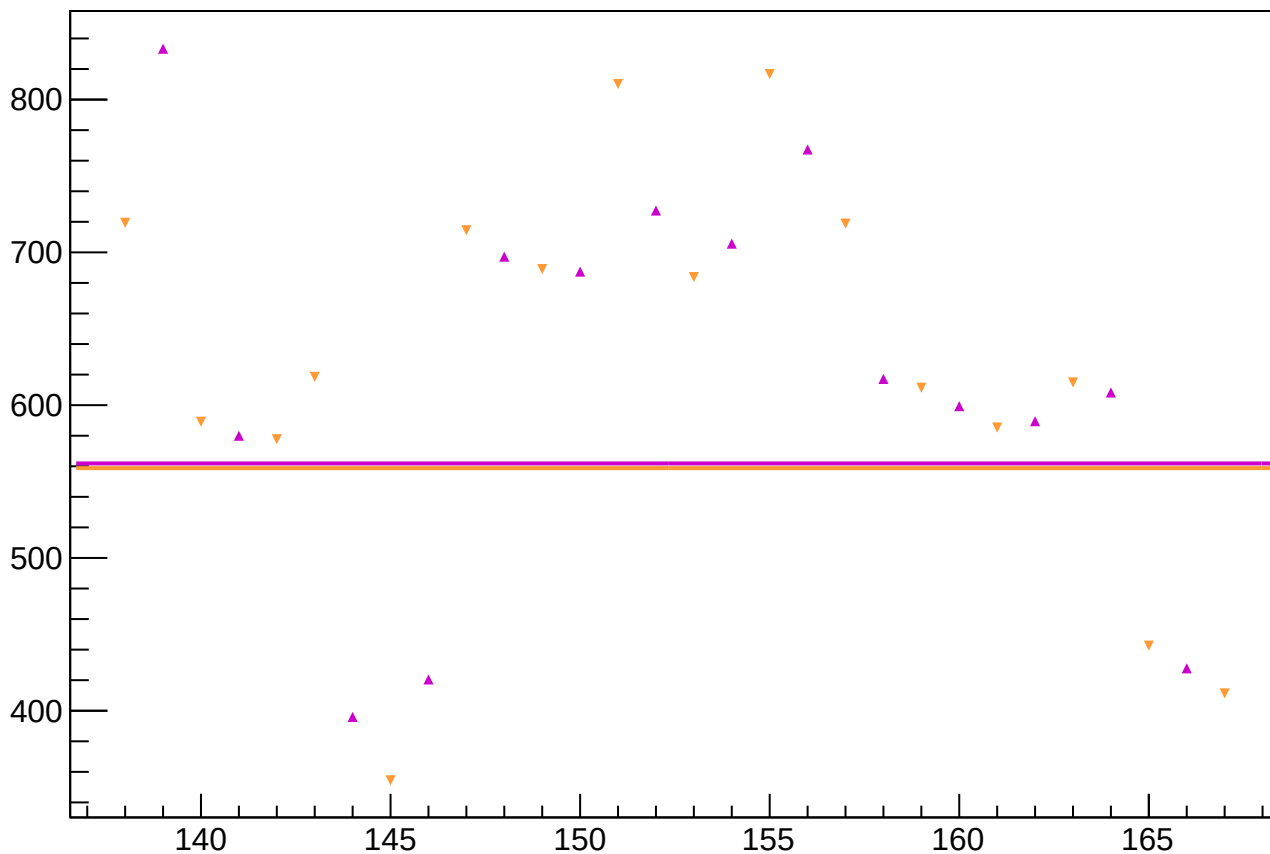
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 252.781+/-175.832 χ^2/NDF : 14.2/13

Out: 989.203+/-167.714 χ^2/NDF : 29.2/15

All: 638.384+/-121.360 χ^2/NDF : 52.6/29

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: 561.863+/-0.124 χ^2/NDF :1138964.9/13

Left: 560.258+/-0.086 χ^2/NDF : 2602164.4/29

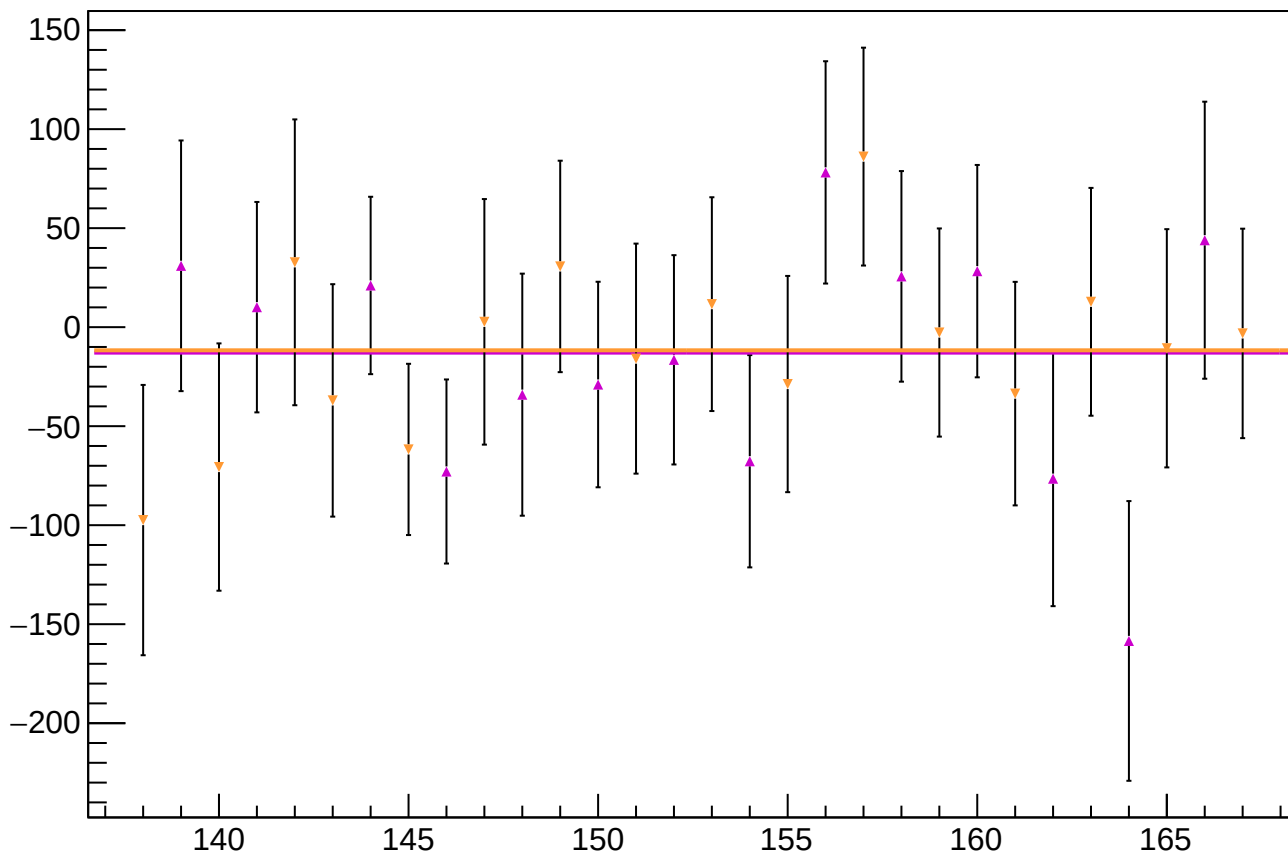
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 561.863+/-0.124 χ^2/NDF :1138964.9/13

Out: 558.798+/-0.119 χ^2/NDF :1462881.1/15

All: 560.258+/-0.086 χ^2/NDF : 2602164.4/29

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: -12.856+/-14.784 χ^2/NDF : 13.8/13

Left: -12.248+/-10.211 χ^2/NDF : 22.7/29

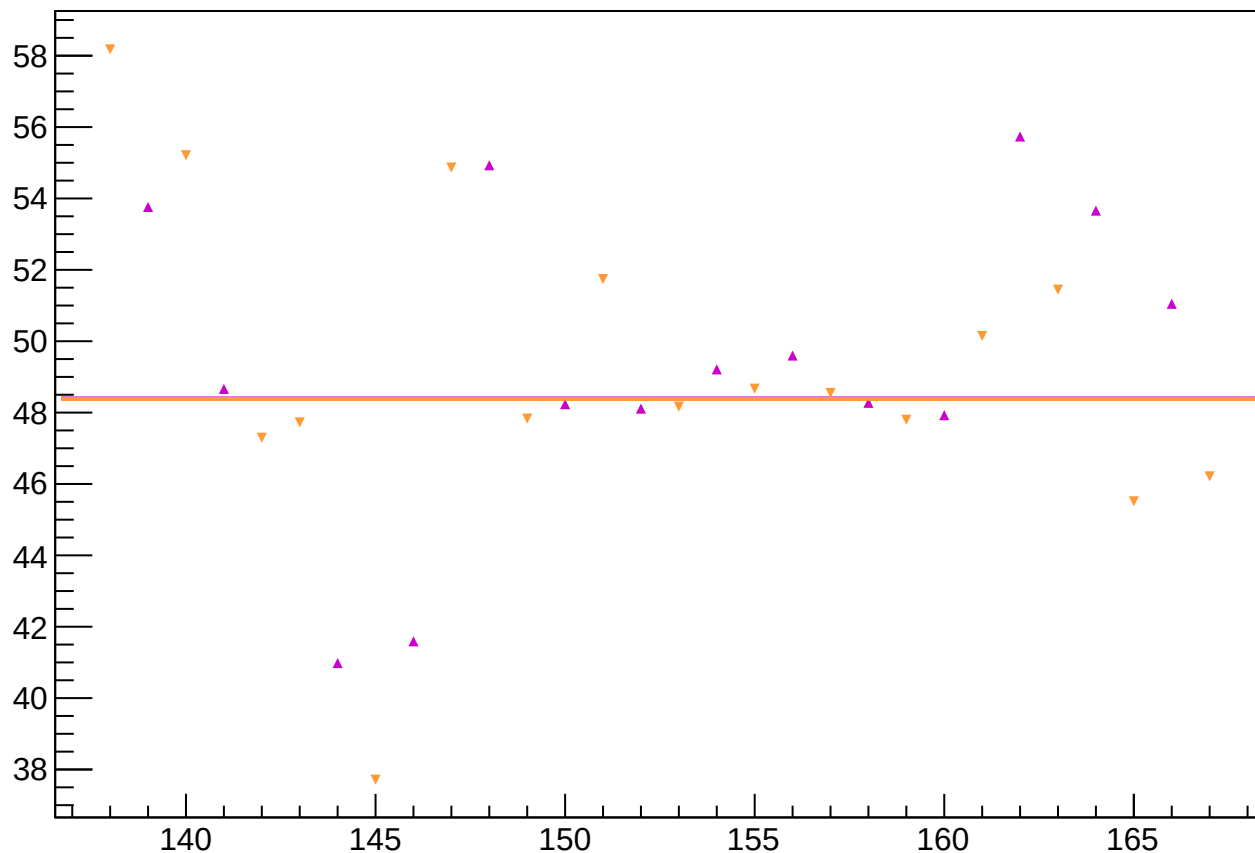
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.856+/-14.784 χ^2/NDF : 13.8/13

Out: -11.693+/-14.119 χ^2/NDF : 8.9/15

All: -12.248+/-10.211 χ^2/NDF : 22.7/29

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: 48.397+/-0.010 χ^2/NDF :176544.2/13

Left: 48.391+/-0.007 χ^2/NDF : 408745.0/29

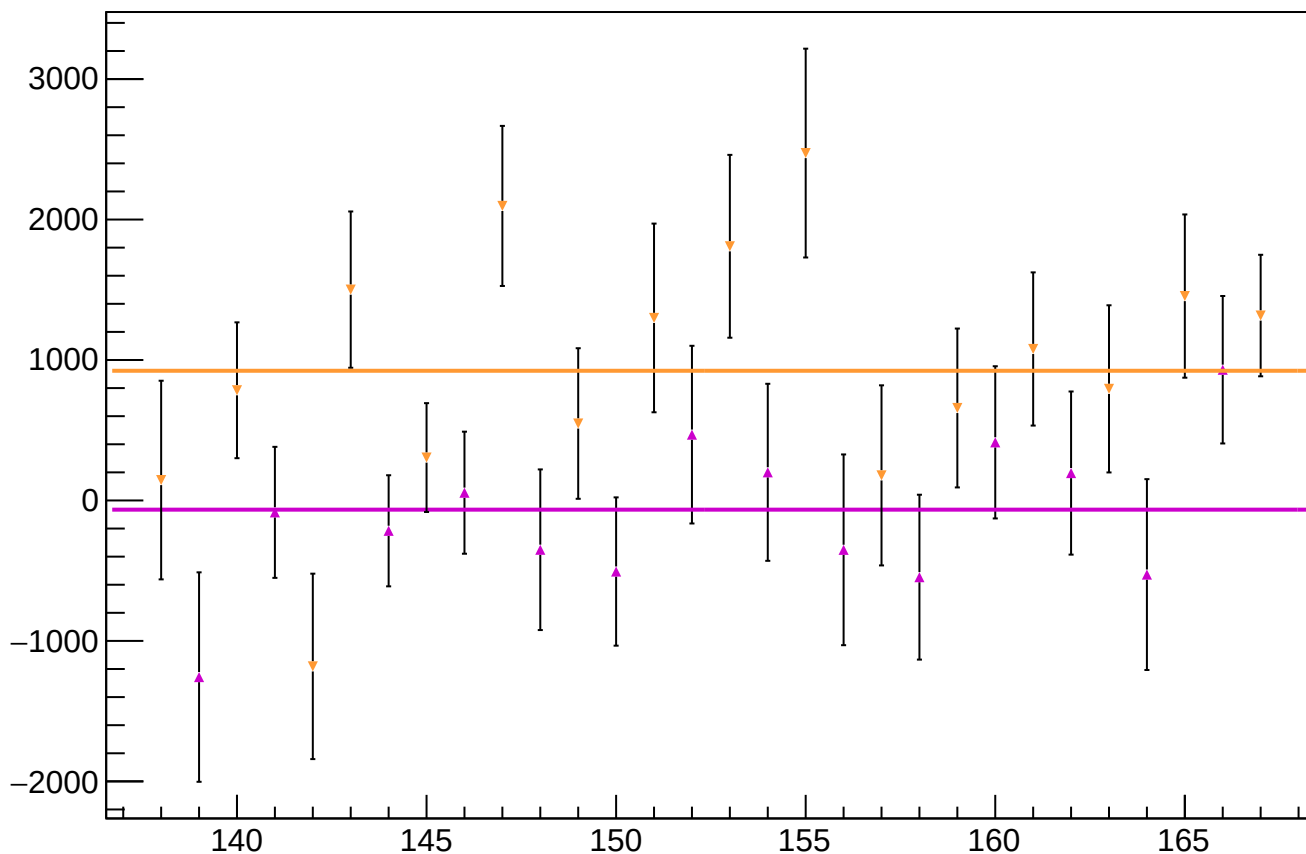
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.397+/-0.010 χ^2/NDF :176544.2/13

Out: 48.385+/-0.010 χ^2/NDF :232200.0/15

All: 48.391+/-0.007 χ^2/NDF : 408745.0/29

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: -65.519+/-145.884 χ^2/NDF :10.5/13

Left: 451.371+/-100.785 χ^2/NDF : 64.2/29

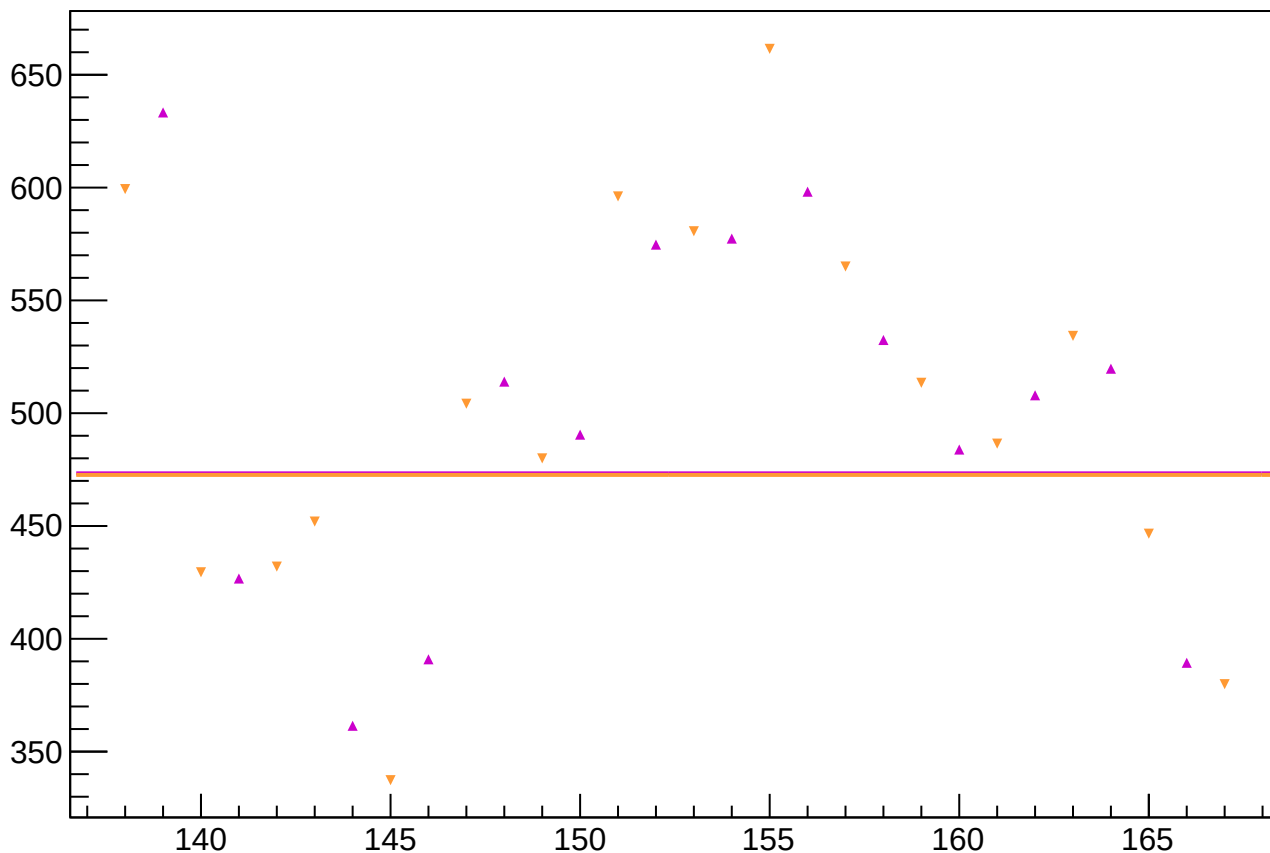
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.519+/-145.884 χ^2/NDF :10.5/13

Out: 923.333+/-139.400 χ^2/NDF :29.7/15

All: 451.371+/-100.785 χ^2/NDF : 64.2/29

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: 473.335+/-0.103 χ^2/NDF : 618468.6/13

Left: 472.979+/-0.071 χ^2/NDF : 1381791.9/29

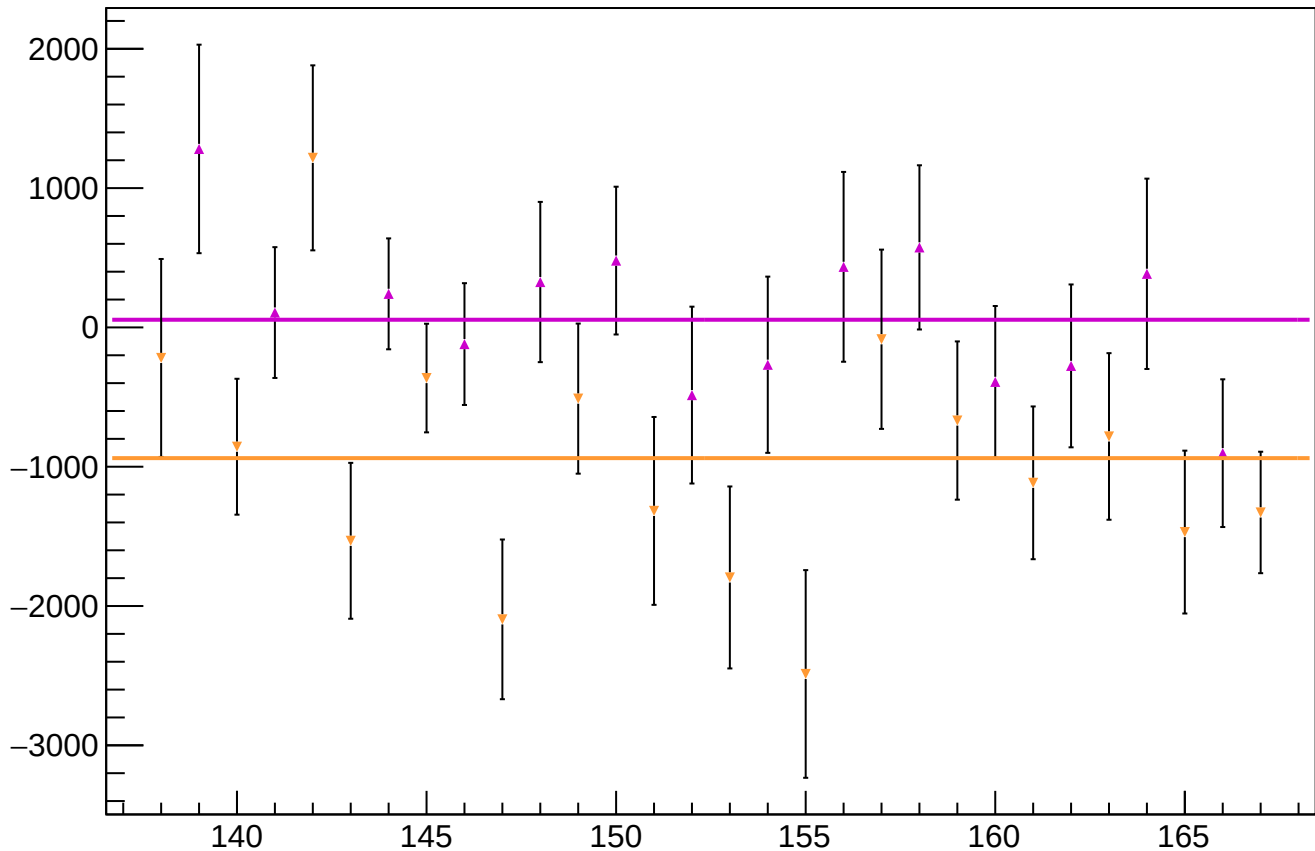
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 473.335+/-0.103 χ^2/NDF : 618468.6/13

Out: 472.655+/-0.099 χ^2/NDF : 763300.6/15

All: 472.979+/-0.071 χ^2/NDF : 1381791.9/29

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: 55.053+/-146.718 χ^2/NDF :10.5/13

Left: -464.239+/-101.361 χ^2/NDF : 64.2/29

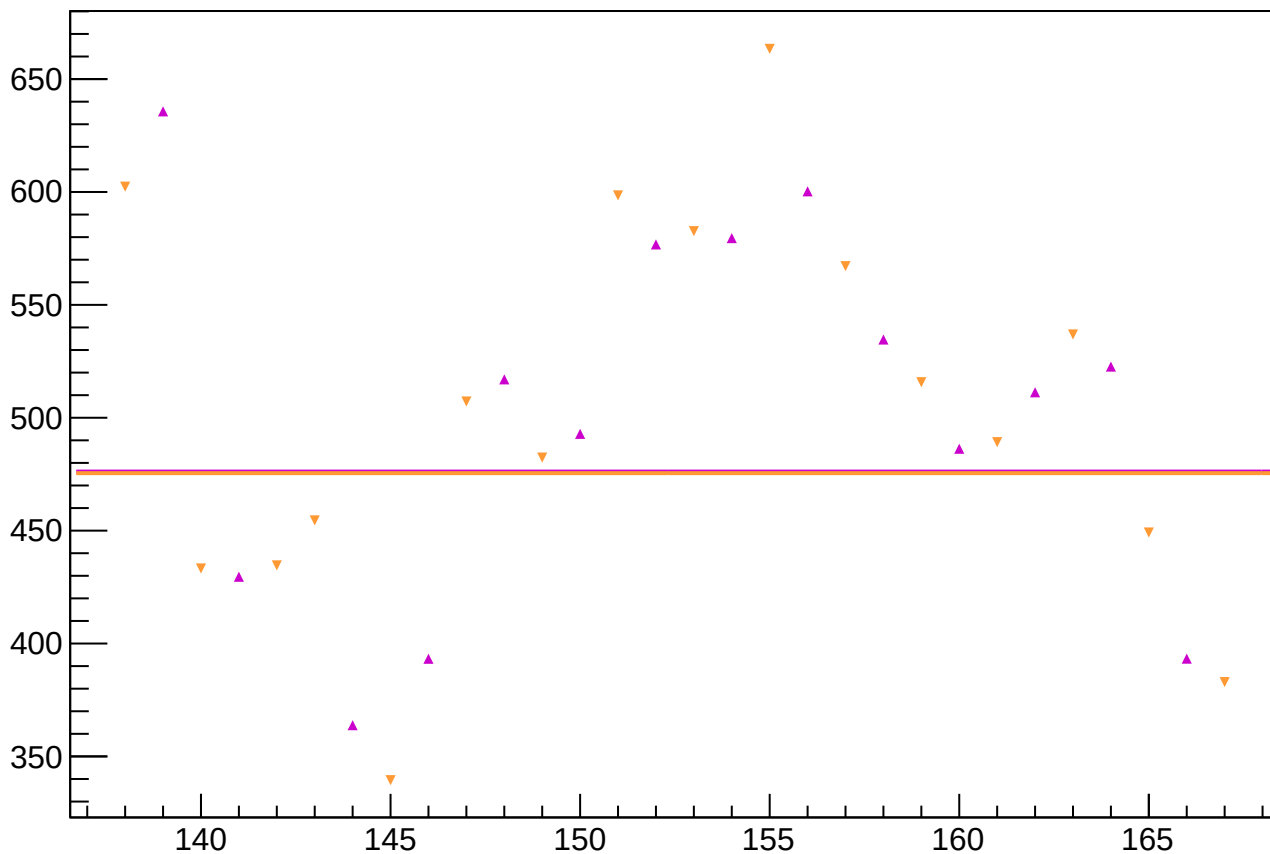
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 55.053+/-146.718 χ^2/NDF :10.5/13

Out: -938.378+/-140.195 χ^2/NDF :29.7/15

All: -464.239+/-101.361 χ^2/NDF : 64.2/29

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: 476.150+/-0.104 χ^2/NDF : 609634.4/13

Left: 475.790+/-0.072 χ^2/NDF : 1363250.0/29

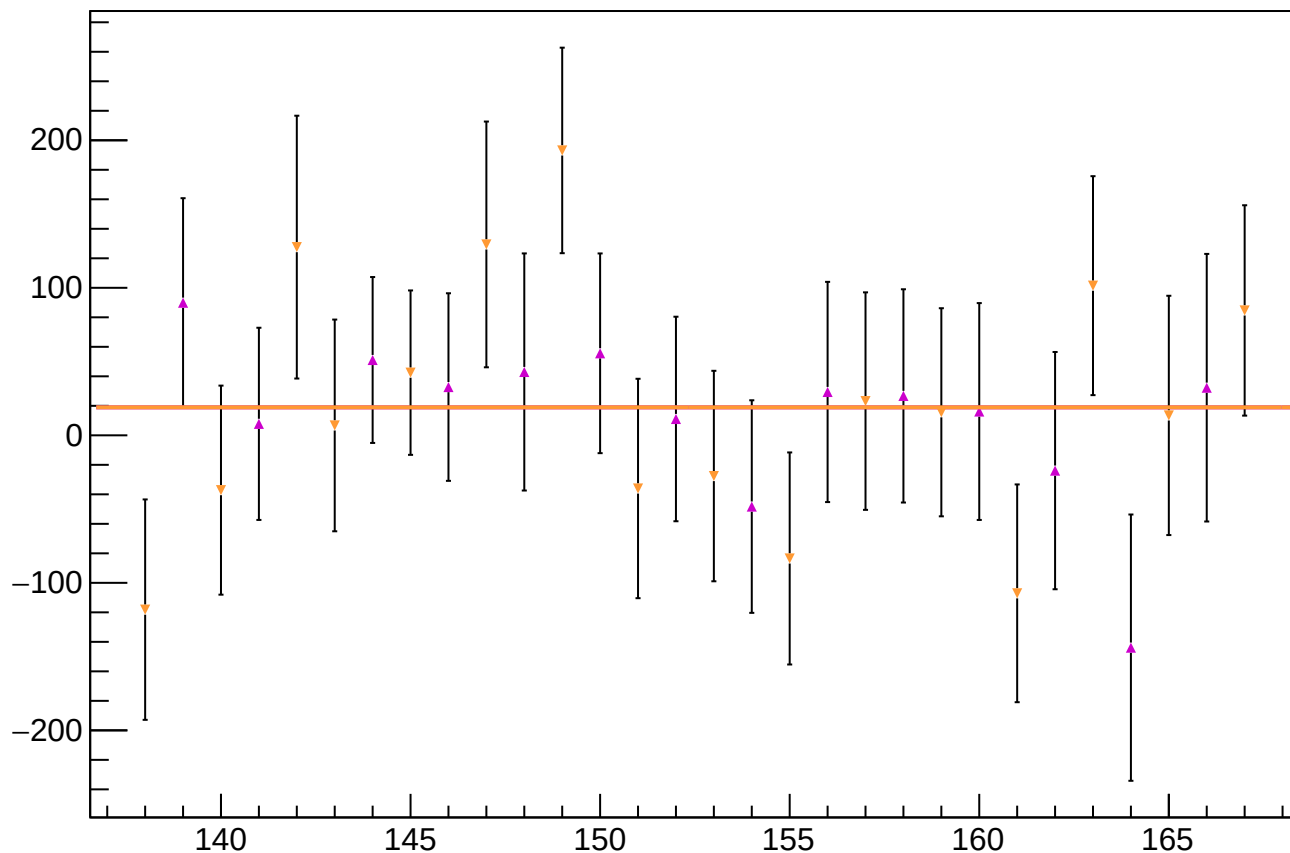
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 476.150+/-0.104 χ^2/NDF : 609634.4/13

Out: 475.462+/-0.099 χ^2/NDF : 753592.6/15

All: 475.790+/-0.072 χ^2/NDF : 1363250.0/29

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 18.984+/-18.135 χ^2/NDF :21.7/15

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

Left In: 18.960+/-19.149 χ^2/NDF :6.3/13

Left: 18.973+/-13.167 χ^2/NDF : 28.0/29

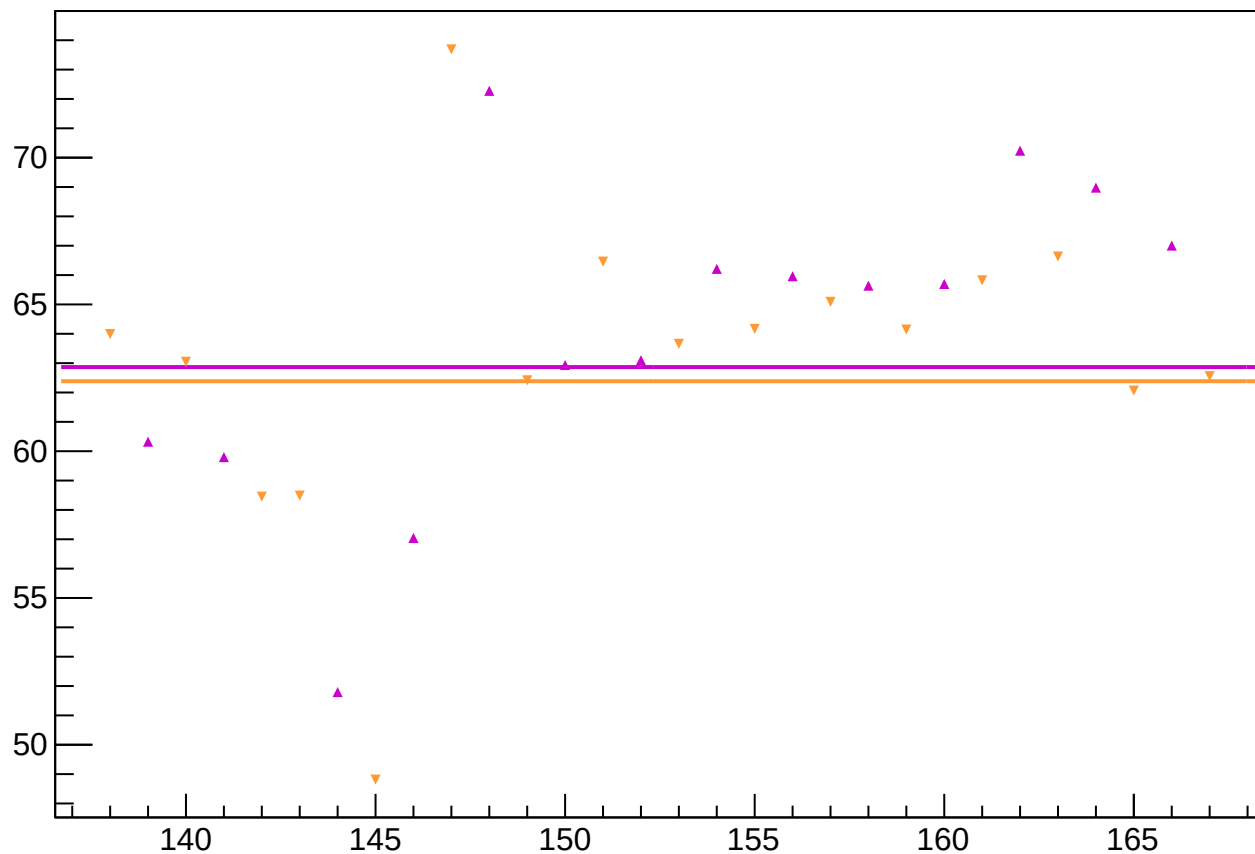
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 18.960+/-19.149 χ^2/NDF :6.3/13

Out: 18.984+/-18.135 χ^2/NDF :21.7/15

All: 18.973+/-13.167 χ^2/NDF : 28.0/29

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: 62.866+/-0.014 χ^2/NDF :172559.1/13

Left: 62.612+/-0.009 χ^2/NDF : 362328.2/29

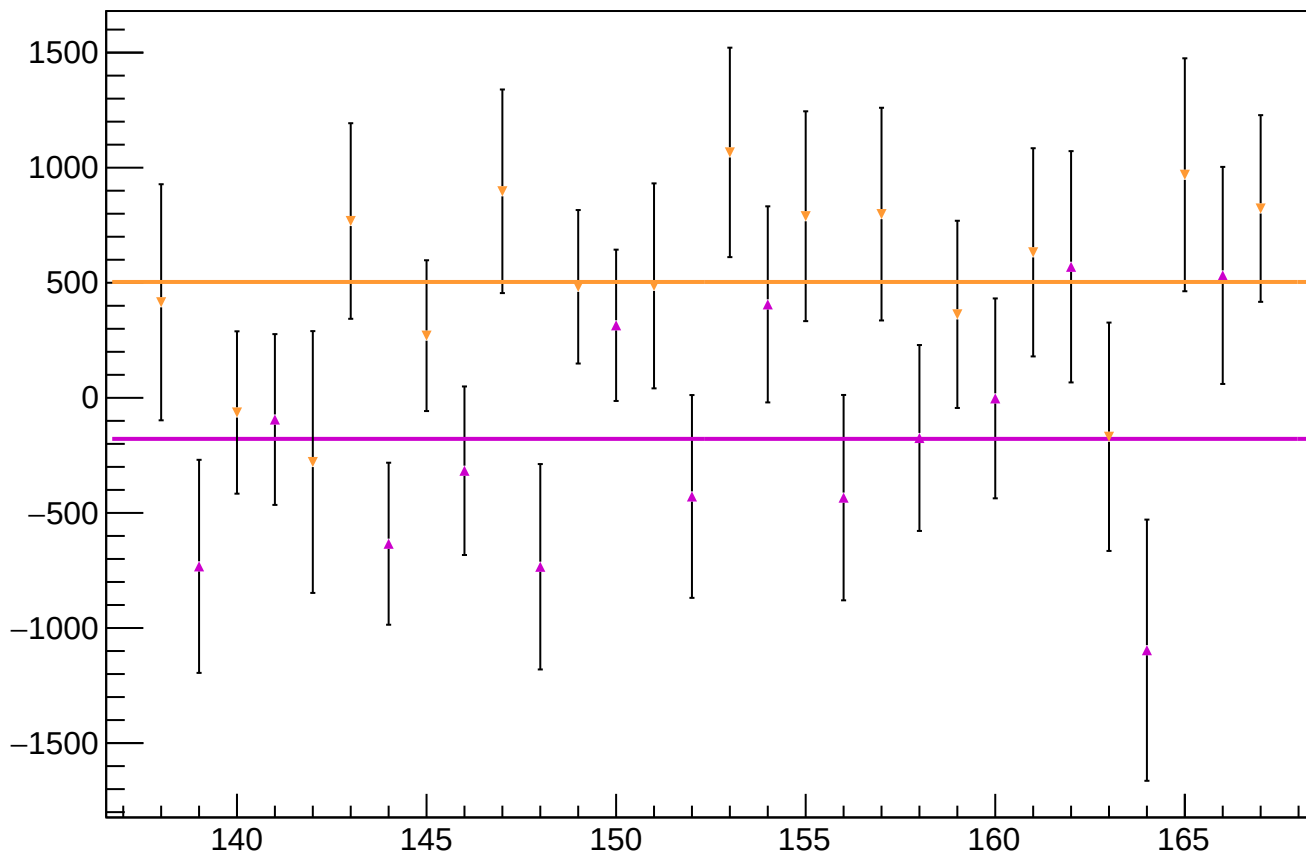
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.866+/-0.014 χ^2/NDF :172559.1/13

Out: 62.385+/-0.013 χ^2/NDF :189102.8/15

All: 62.612+/-0.009 χ^2/NDF : 362328.2/29

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: -178.246+/-111.510 χ^2/NDF :16.9/13

Left: 178.430+/-76.999 χ^2/NDF : 48.5/29

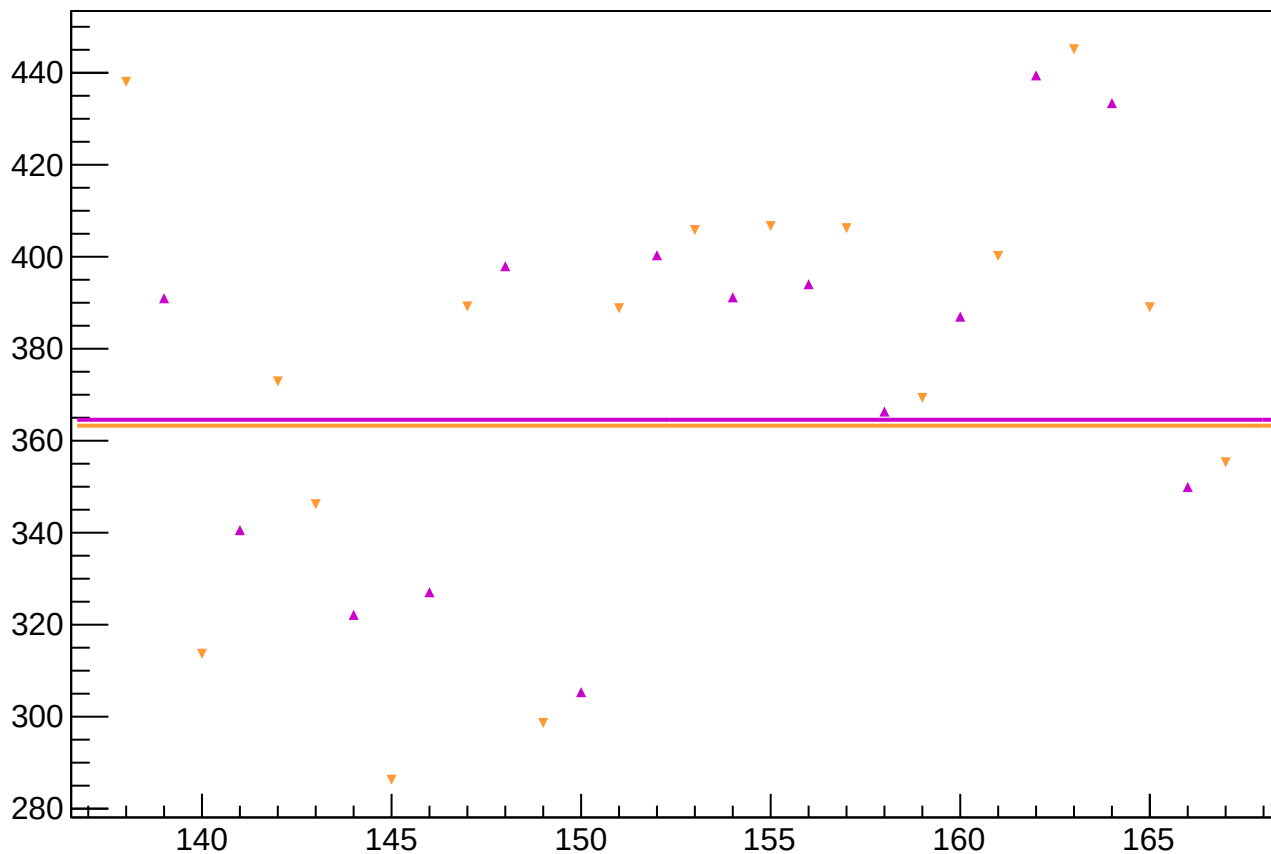
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -178.246+/-111.510 χ^2/NDF :16.9/13

Out: 503.489+/-106.453 χ^2/NDF :12.0/15

All: 178.430+/-76.999 χ^2/NDF : 48.5/29

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: 364.561+/-0.079 χ^2/NDF :251909.4/13

Left: 363.887+/-0.054 χ^2/NDF : 663937.5/29

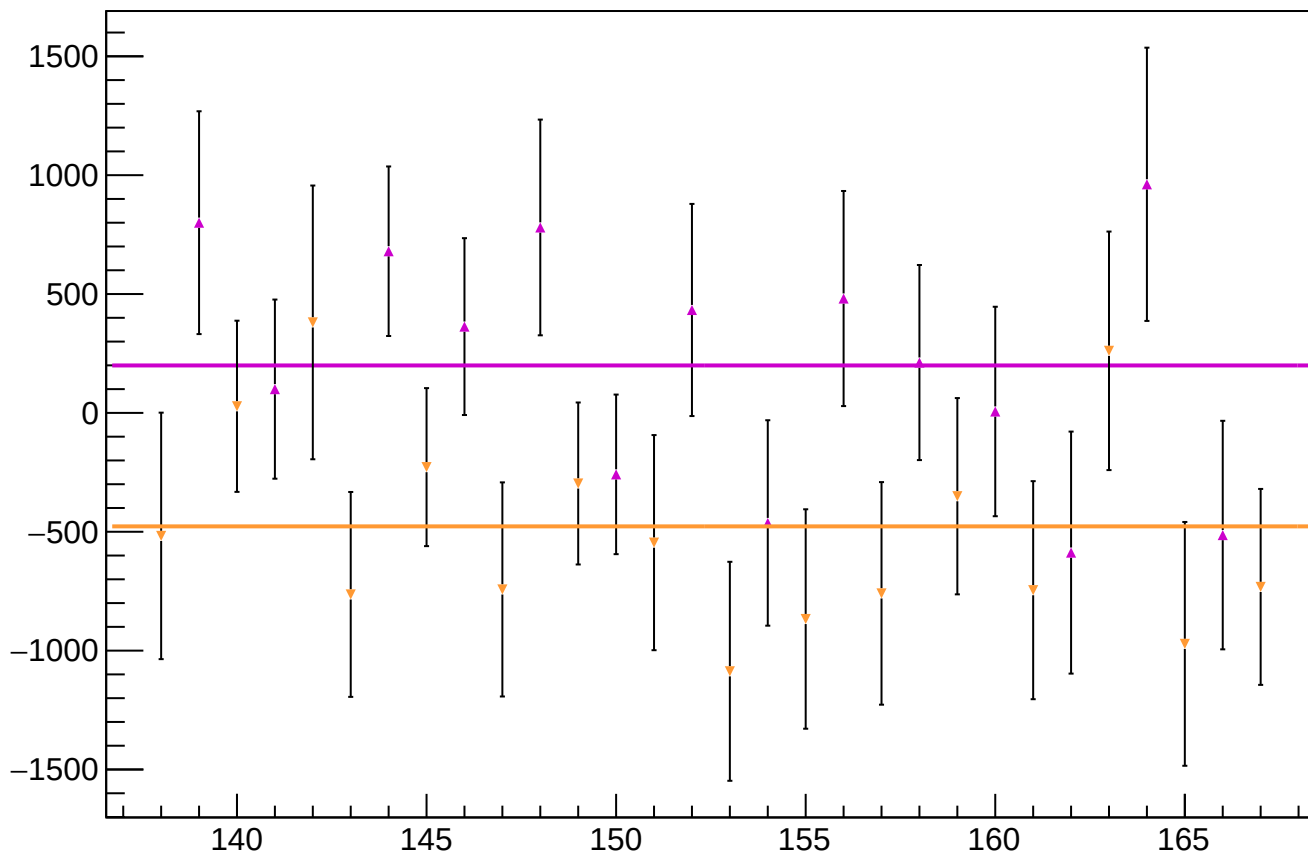
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 364.561+/-0.079 χ^2/NDF :251909.4/13

Out: 363.272+/-0.075 χ^2/NDF :411888.3/15

All: 363.887+/-0.054 χ^2/NDF : 663937.5/29

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: 199.604+/-113.231 χ^2/NDF :16.8/13

Left: -154.561+/-78.188 χ^2/NDF : 48.1/29

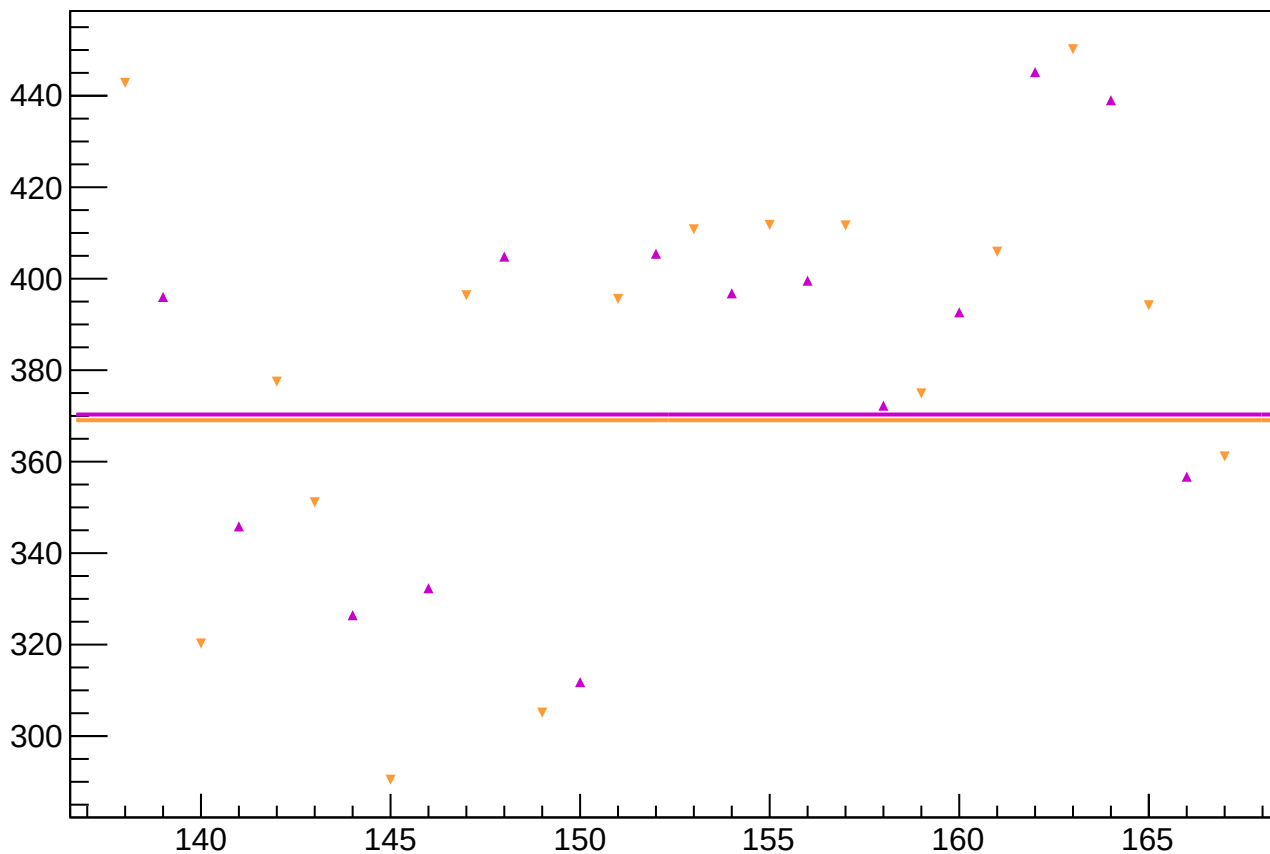
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 199.604+/-113.231 χ^2/NDF :16.8/13

Out: -477.345+/-108.098 χ^2/NDF :12.6/15

All: -154.561+/-78.188 χ^2/NDF : 48.1/29

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: 370.305+/-0.080 χ^2/NDF :244869.2/13

Left: 369.657+/-0.055 χ^2/NDF : 643907.4/29

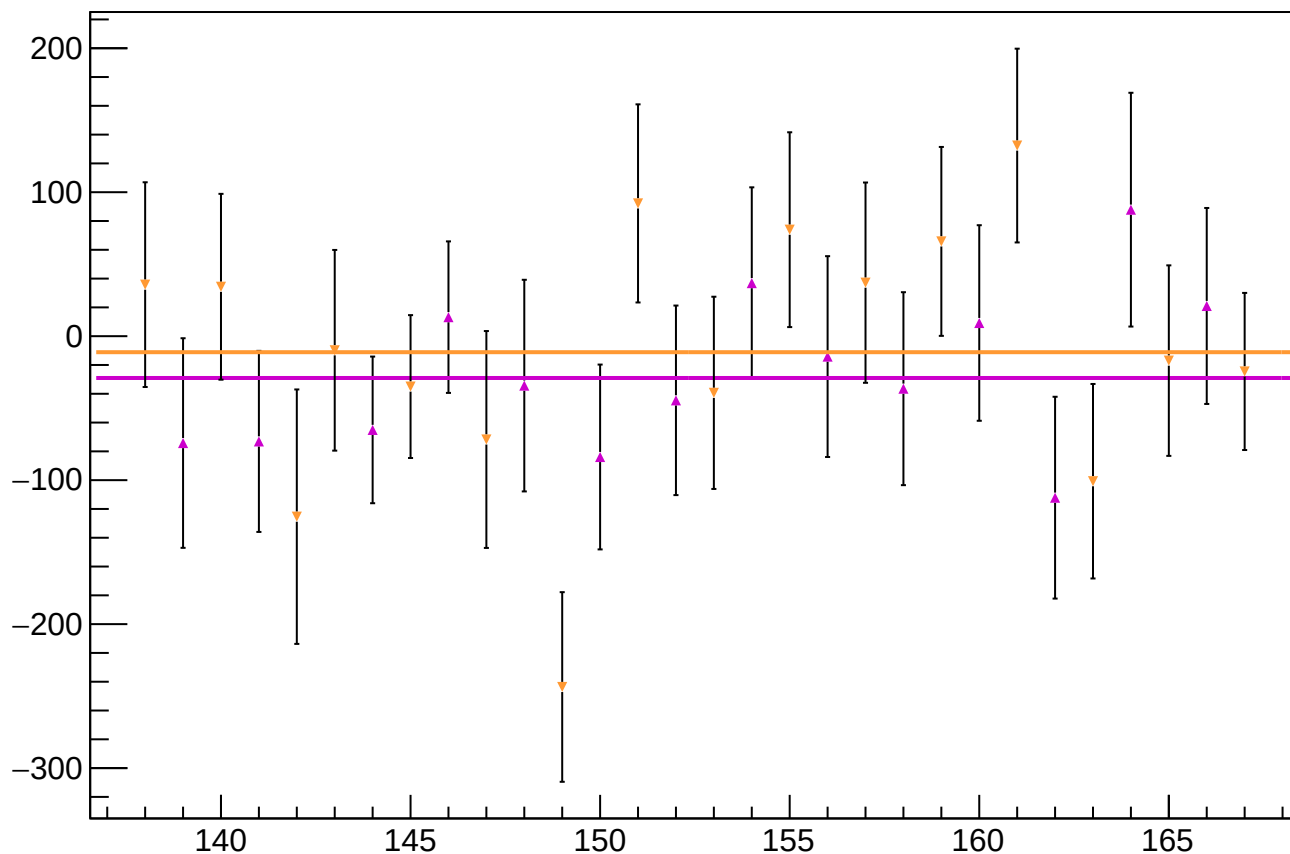
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 370.305+/-0.080 χ^2/NDF :244869.2/13

Out: 369.067+/-0.076 χ^2/NDF :398913.1/15

All: 369.657+/-0.055 χ^2/NDF : 643907.4/29

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -11.120+/-16.479 χ^2/NDF :28.2/15

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

Left In: -29.036+/-17.437 χ^2/NDF :8.2/13

Left: -19.573+/-11.977 χ^2/NDF : 36.9/29

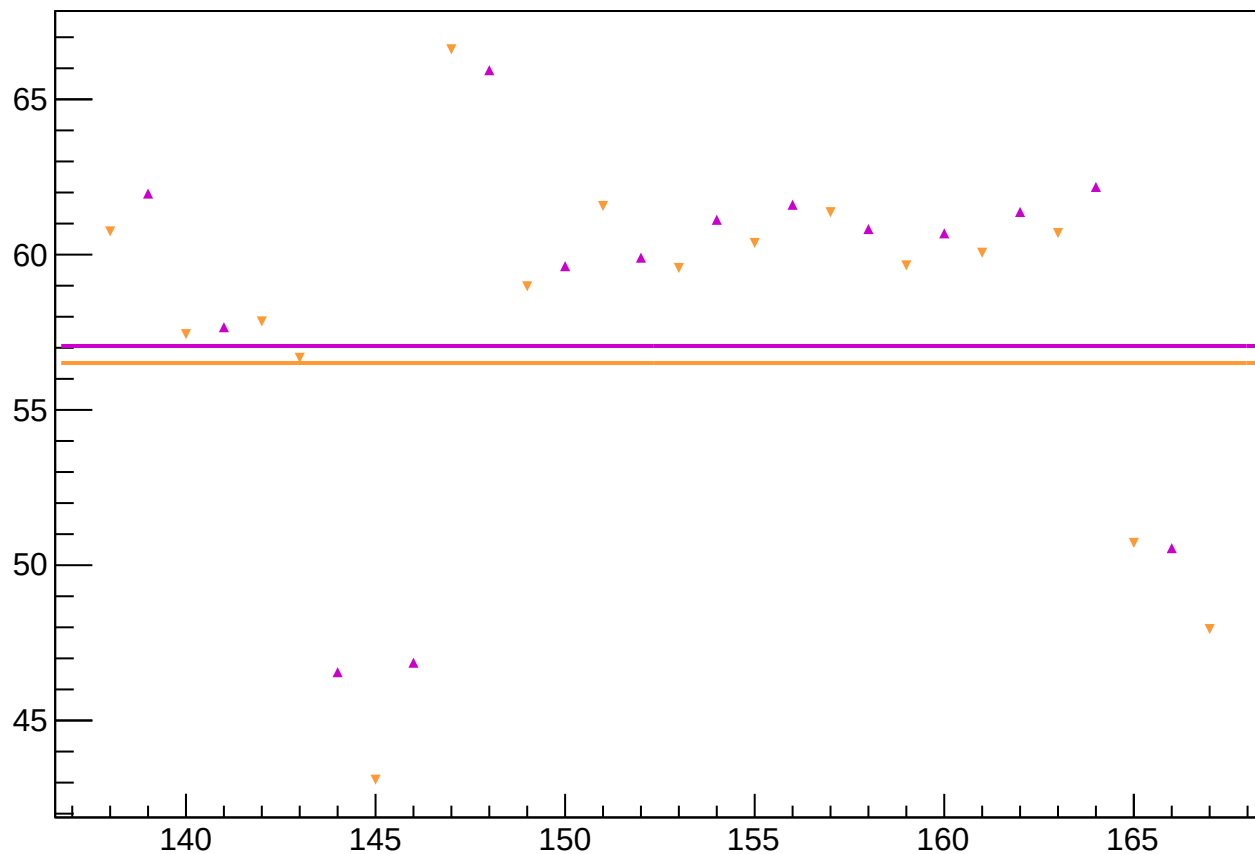
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.036+/-17.437 χ^2/NDF :8.2/13

Out: -11.120+/-16.479 χ^2/NDF :28.2/15

All: -19.573+/-11.977 χ^2/NDF : 36.9/29

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: 57.059+/-0.012 χ^2/NDF :267406.7/13

Left: 56.769+/-0.008 χ^2/NDF : 575187.7/29

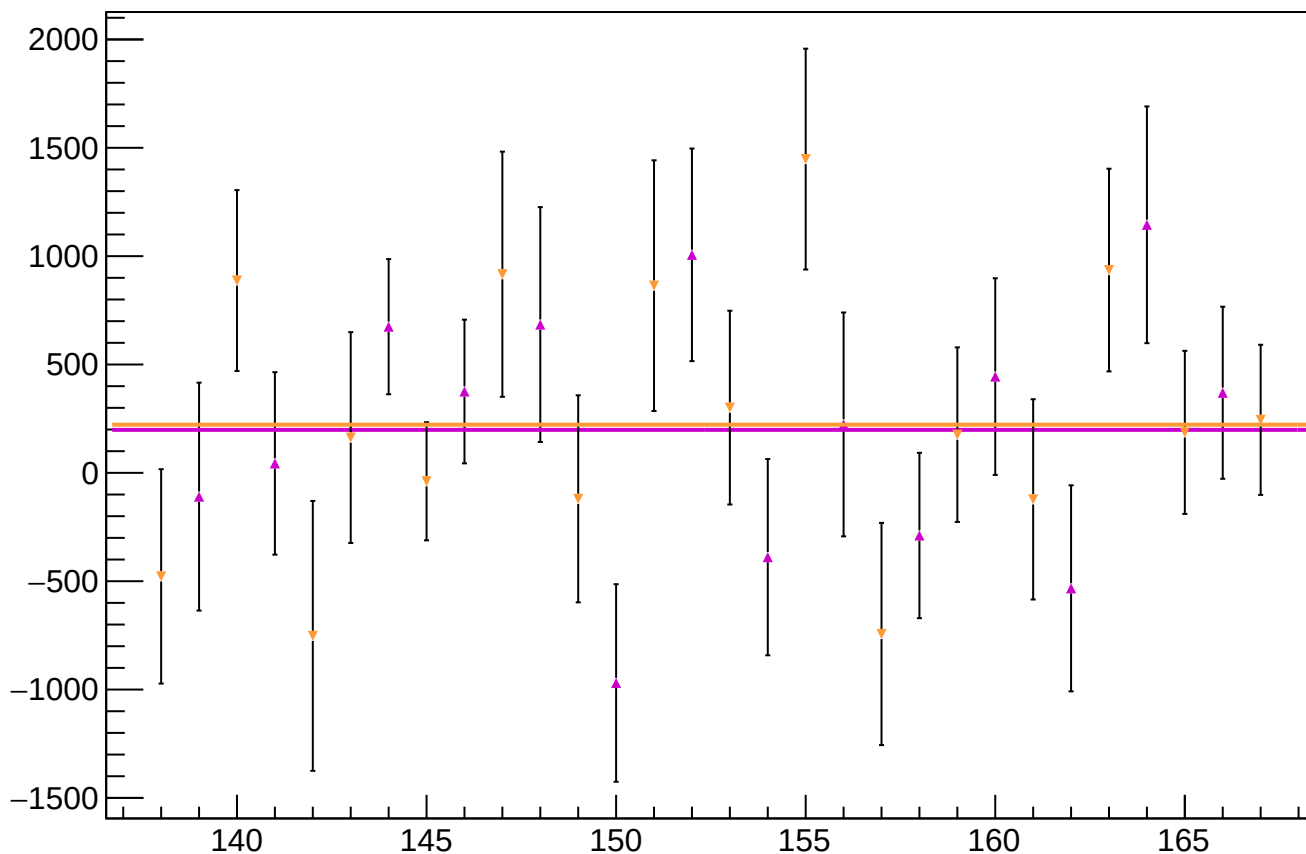
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 57.059+/-0.012 χ^2/NDF :267406.7/13

Out: 56.510+/-0.012 χ^2/NDF :306735.9/15

All: 56.769+/-0.008 χ^2/NDF : 575187.7/29

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: 198.490+/-115.103 χ^2/NDF :22.3/13

Left: 211.057+/-79.171 χ^2/NDF : 45.8/29

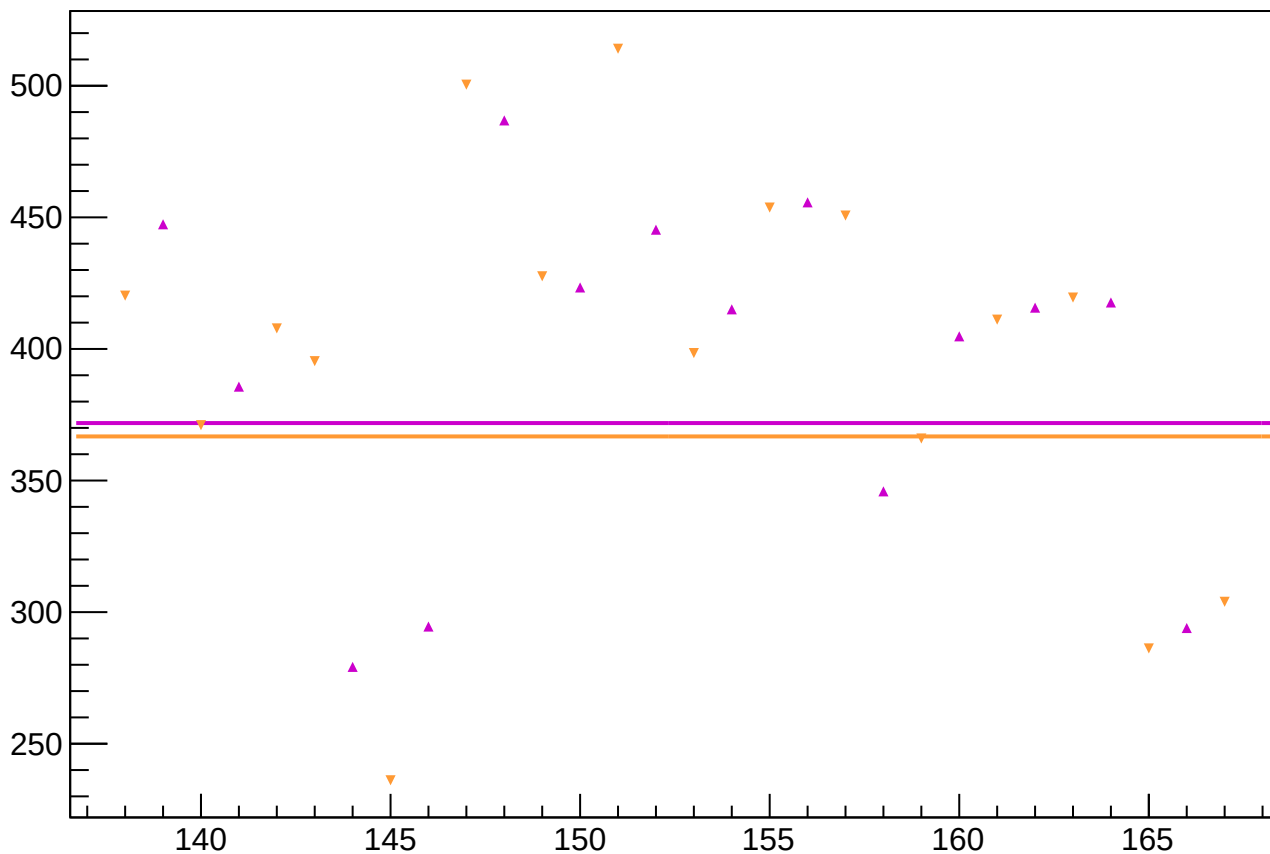
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 198.490+/-115.103 χ^2/NDF :22.3/13

Out: 222.341+/-109.069 χ^2/NDF :23.4/15

All: 211.057+/-79.171 χ^2/NDF : 45.8/29

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: 371.840+/-0.081 χ^2/NDF :687891.2/13

Left: 369.164+/-0.056 χ^2/NDF : 1785890.5/29

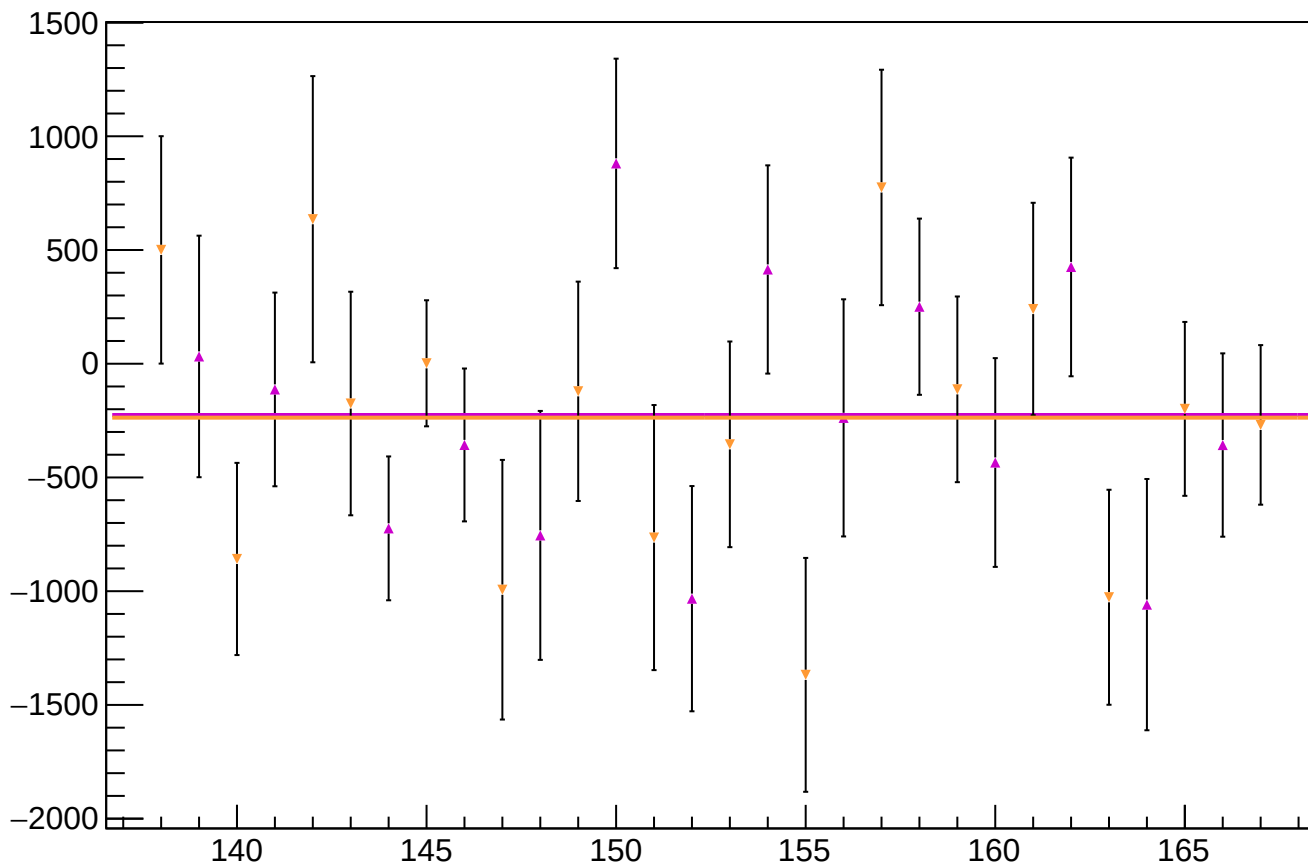
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 371.840+/-0.081 χ^2/NDF :687891.2/13

Out: 366.761+/-0.077 χ^2/NDF :1095947.7/15

All: 369.164+/-0.056 χ^2/NDF : 1785890.5/29

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -237.073+/-110.394 χ^2/NDF :22.3/15

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

Left In: -225.427+/-116.495 χ^2/NDF :20.2/13

Left: -231.563+/-80.130 χ^2/NDF : 42.5/29

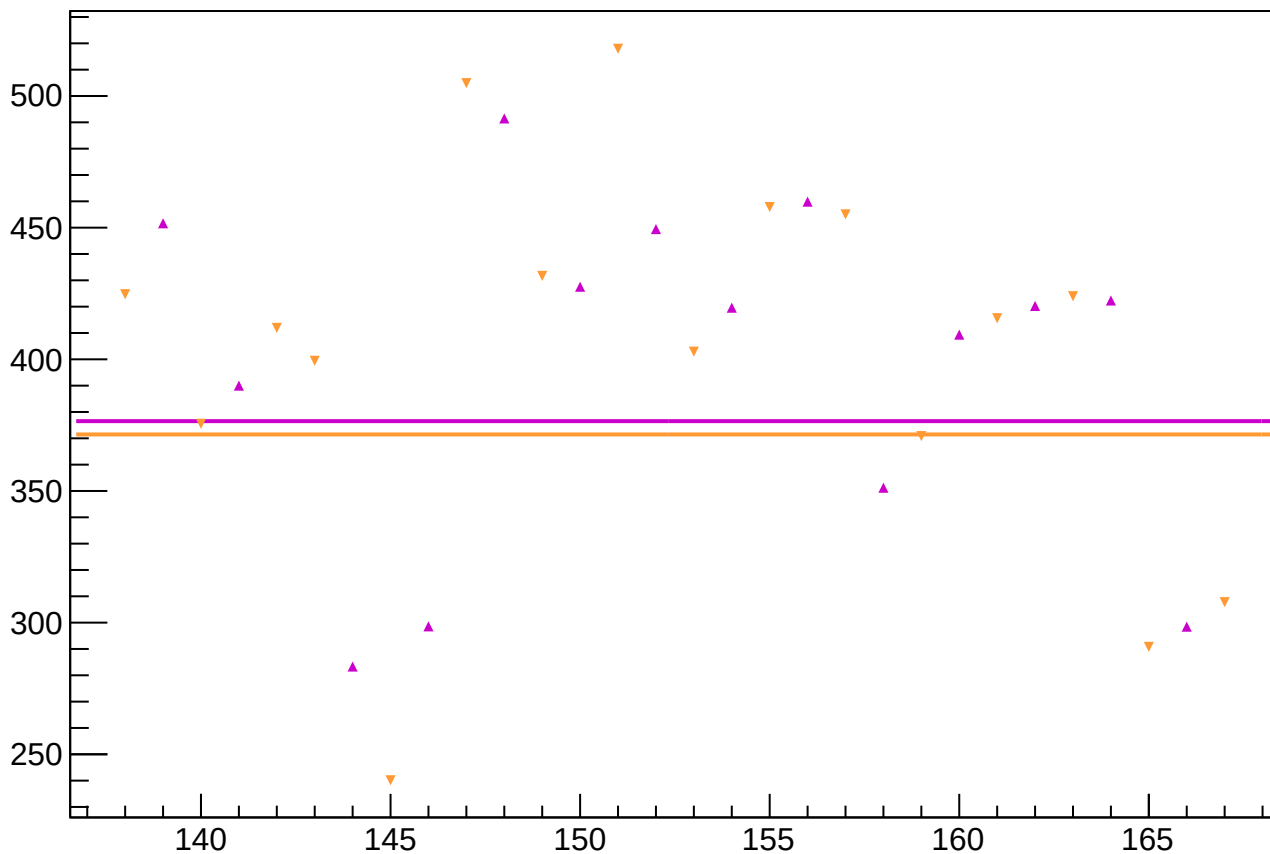
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -225.427+/-116.495 χ^2/NDF :20.2/13

Out: -237.073+/-110.394 χ^2/NDF :22.3/15

All: -231.563+/-80.130 χ^2/NDF : 42.5/29

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: 376.521+/-0.082 χ^2/NDF :672583.9/13

Left: 373.858+/-0.057 χ^2/NDF : 1744132.5/29

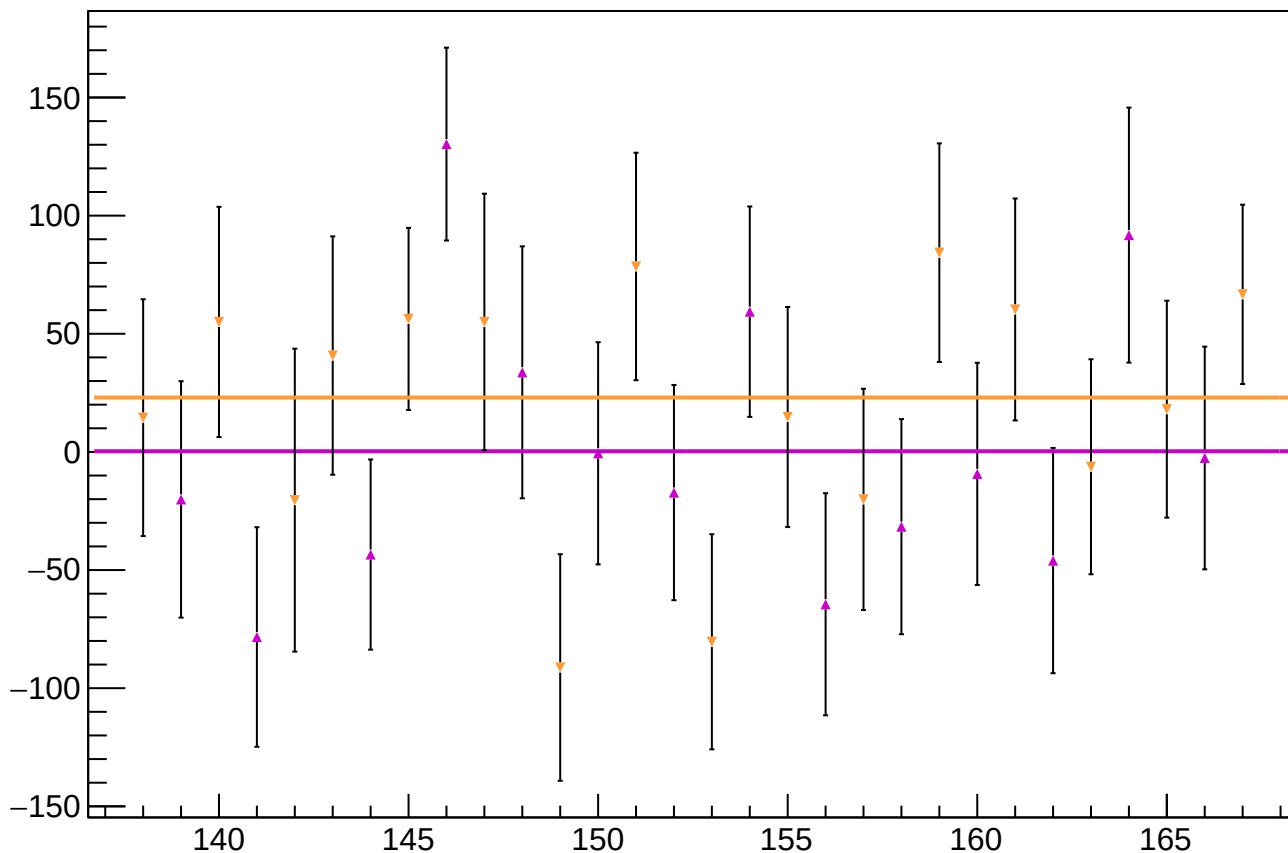
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 376.521+/-0.082 χ^2/NDF :672583.9/13

Out: 371.467+/-0.078 χ^2/NDF :1069565.5/15

All: 373.858+/-0.057 χ^2/NDF : 1744132.5/29

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: 0.279 $\pm$ 12.410 χ^2 /NDF:22.9/13

Left: 12.319 $\pm$ 8.513 χ^2 /NDF: 44.0/29

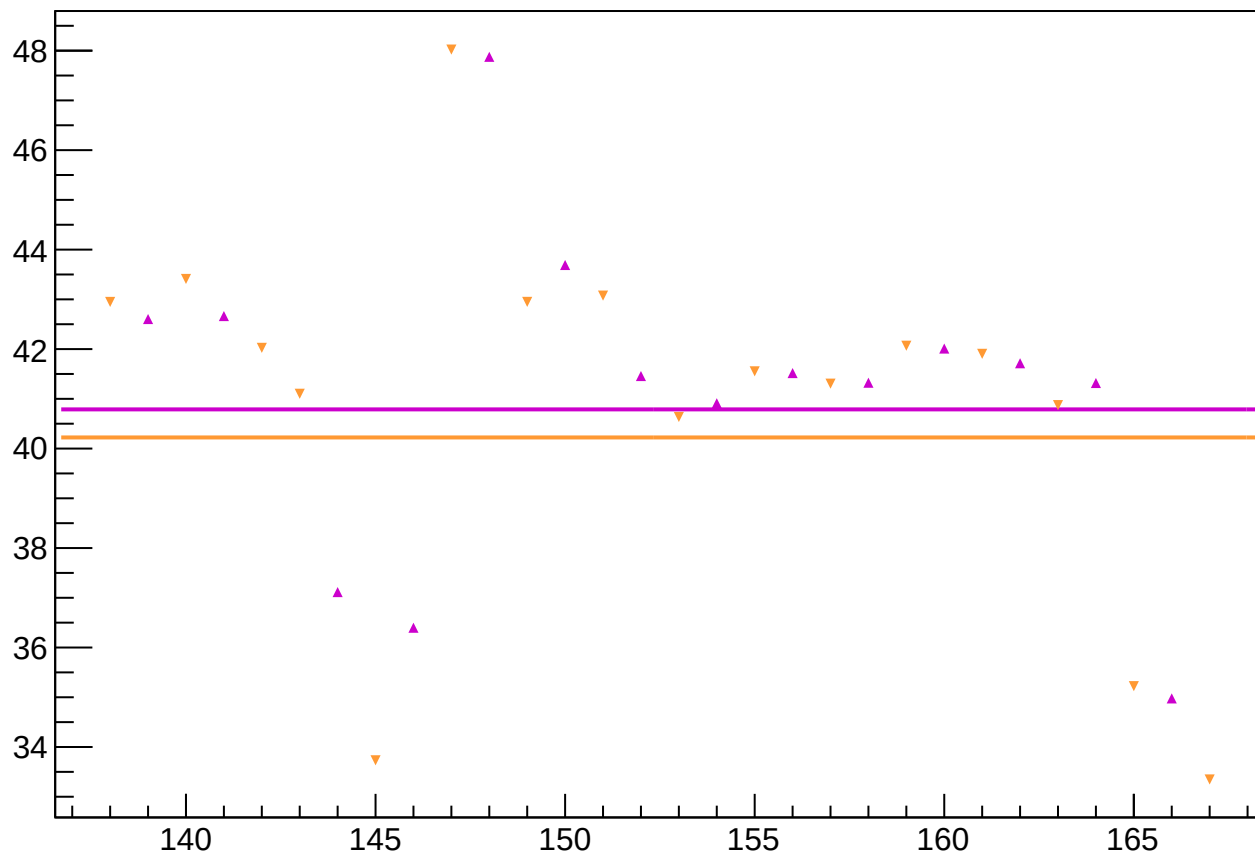
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.279 $\pm$ 12.410 χ^2 /NDF:22.9/13

Out: 23.018 $\pm$ 11.699 χ^2 /NDF:19.3/15

All: 12.319 $\pm$ 8.513 χ^2 /NDF: 44.0/29

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: 40.788+/-0.009 χ^2/NDF :122623.3/13

Left: 40.489+/-0.006 χ^2/NDF : 351304.2/29

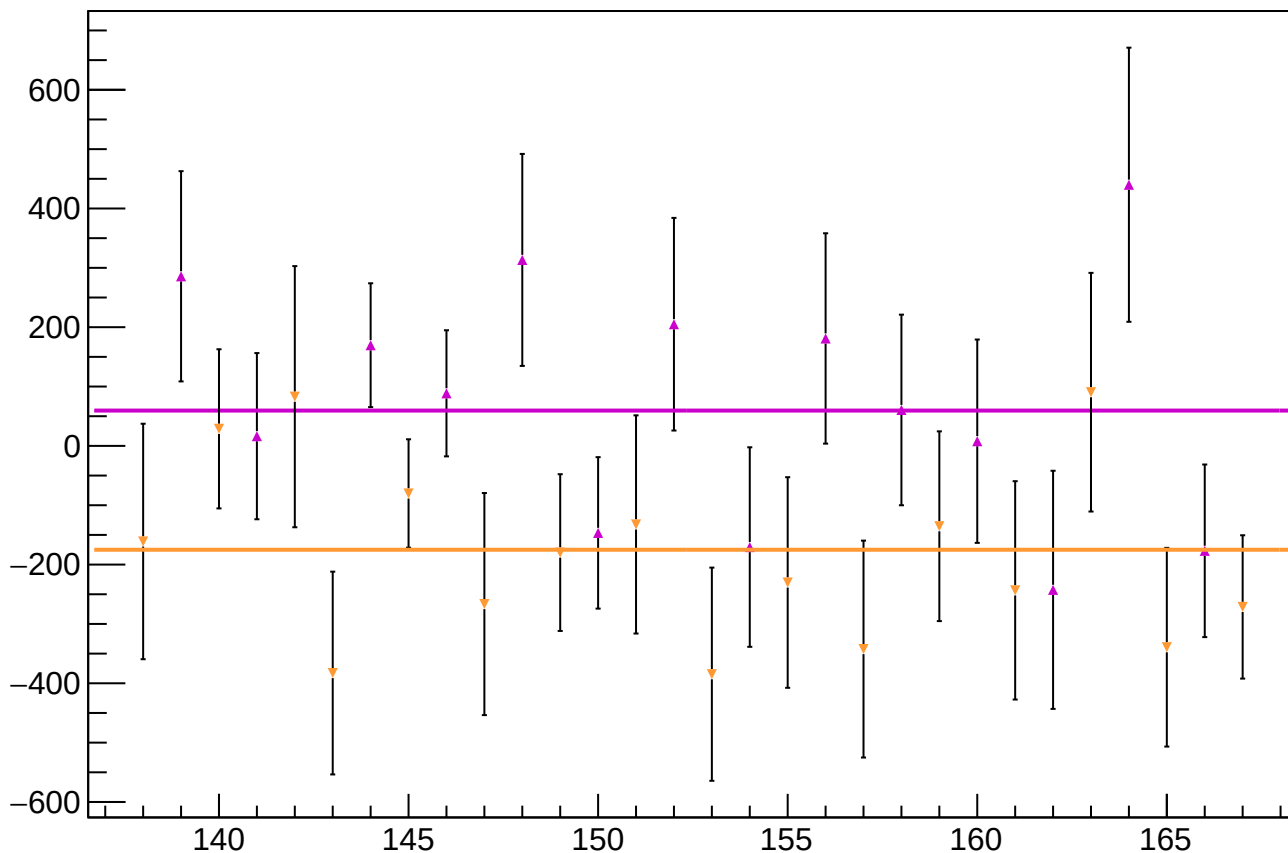
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 40.788+/-0.009 χ^2/NDF :122623.3/13

Out: 40.224+/-0.008 χ^2/NDF :226492.3/15

All: 40.489+/-0.006 χ^2/NDF : 351304.2/29

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: 59.518+/-40.220 χ^2/NDF :18.3/13

Left: -61.733+/-27.951 χ^2/NDF : 48.2/29

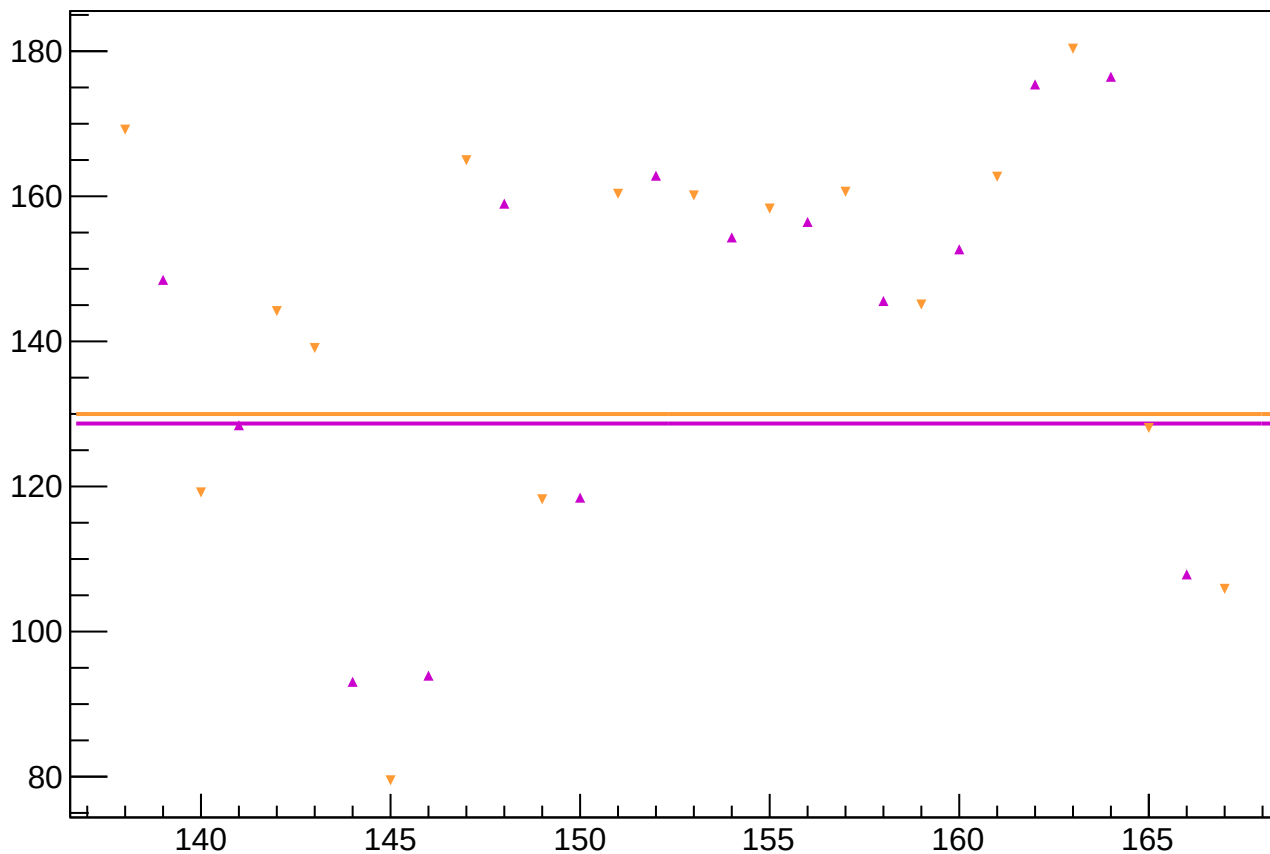
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 59.518+/-40.220 χ^2/NDF :18.3/13

Out: -174.989+/-38.872 χ^2/NDF :12.4/15

All: -61.733+/-27.951 χ^2/NDF : 48.2/29

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: 128.675+/-0.028 χ^2/NDF :1007304.4/13

Left: 129.352+/-0.020 χ^2/NDF : 2315417.8/29

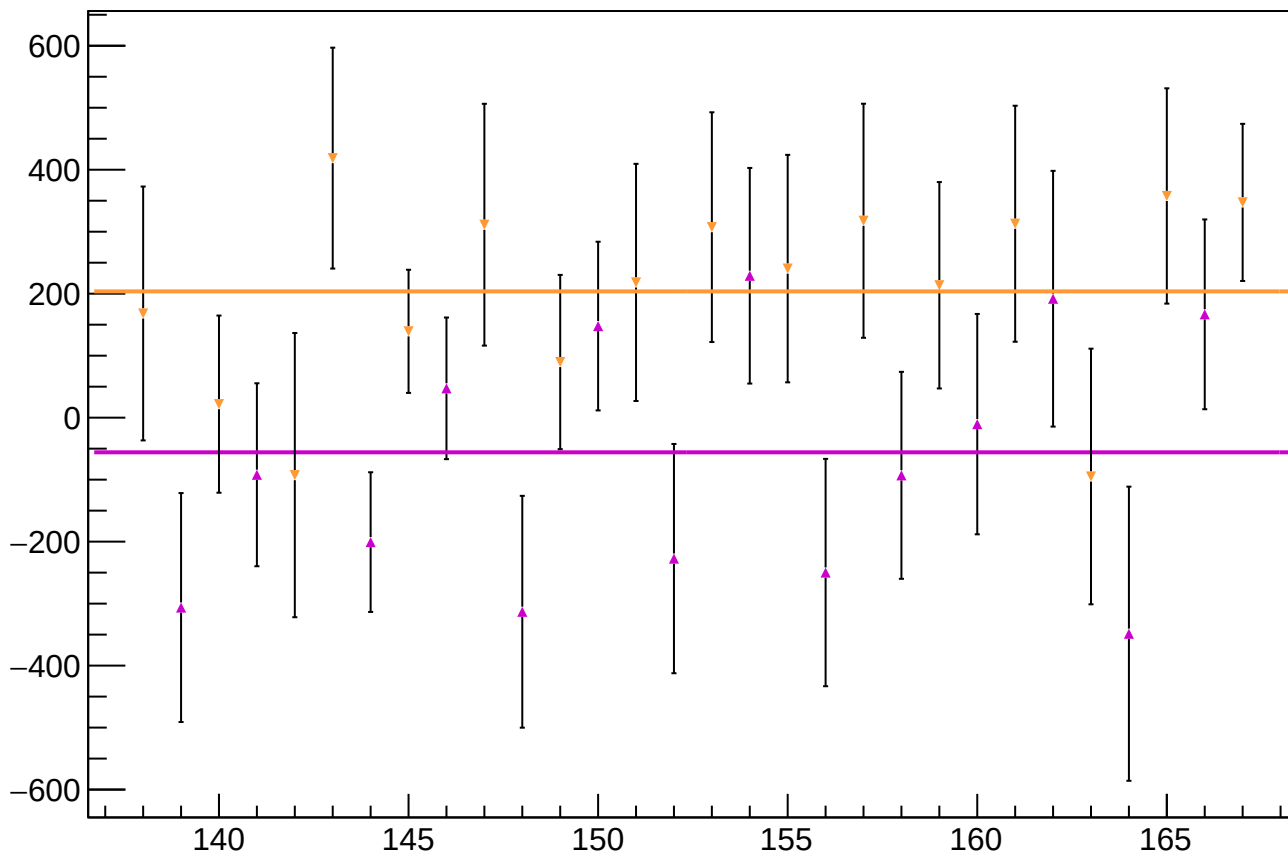
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 128.675+/-0.028 χ^2/NDF :1007304.4/13

Out: 129.984+/-0.027 χ^2/NDF :1307018.8/15

All: 129.352+/-0.020 χ^2/NDF : 2315417.8/29

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: -55.901 $\pm$ 42.383 χ^2 /NDF:18.4/13

Left: 78.589 $\pm$ 29.423 χ^2 /NDF: 49.2/29

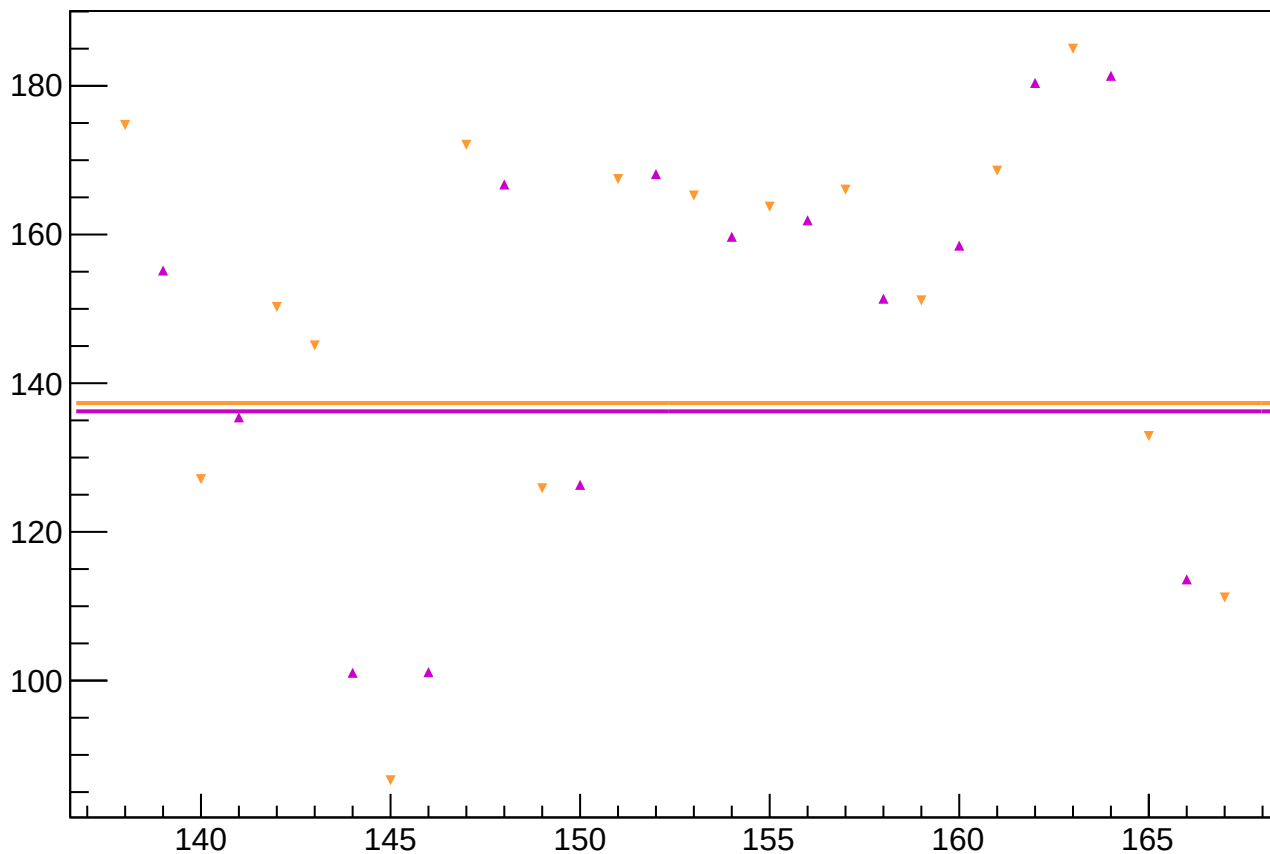
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -55.901 $\pm$ 42.383 χ^2 /NDF:18.4/13

Out: 203.703 $\pm$ 40.879 χ^2 /NDF:11.4/15

All: 78.589 $\pm$ 29.423 χ^2 /NDF: 49.2/29

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: 136.215+/-0.030 χ^2/NDF :859221.3/13

Left: 136.794+/-0.021 χ^2/NDF : 1989457.8/29

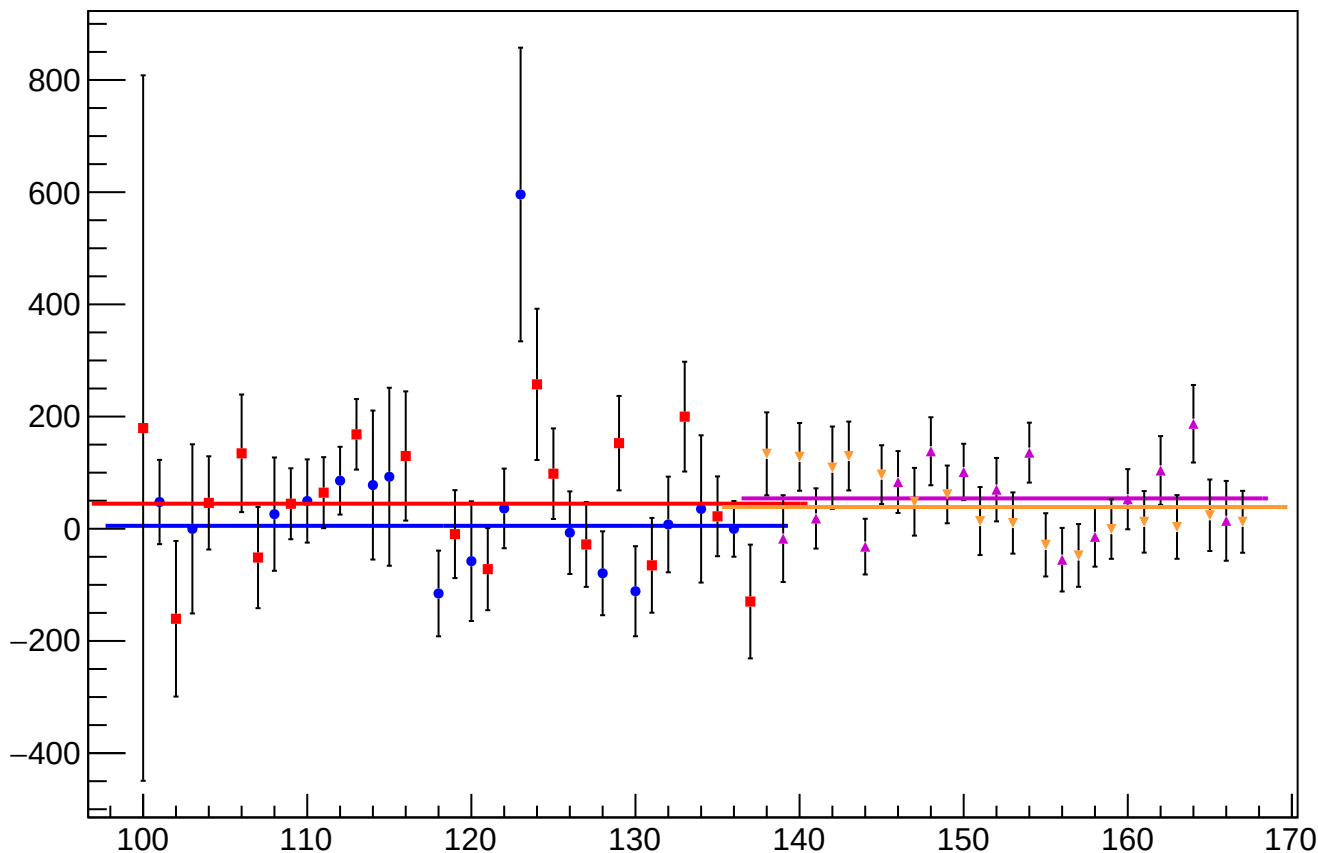
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 136.215+/-0.030 χ^2/NDF :859221.3/13

Out: 137.333+/-0.029 χ^2/NDF :1129516.2/15

All: 136.794+/-0.021 χ^2/NDF : 1989457.8/29

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: 54.108 $\pm$ 15.313 χ^2/NDF :19.8/13

Left: 46.009 $\pm$ 10.538 χ^2/NDF : 34.5/29

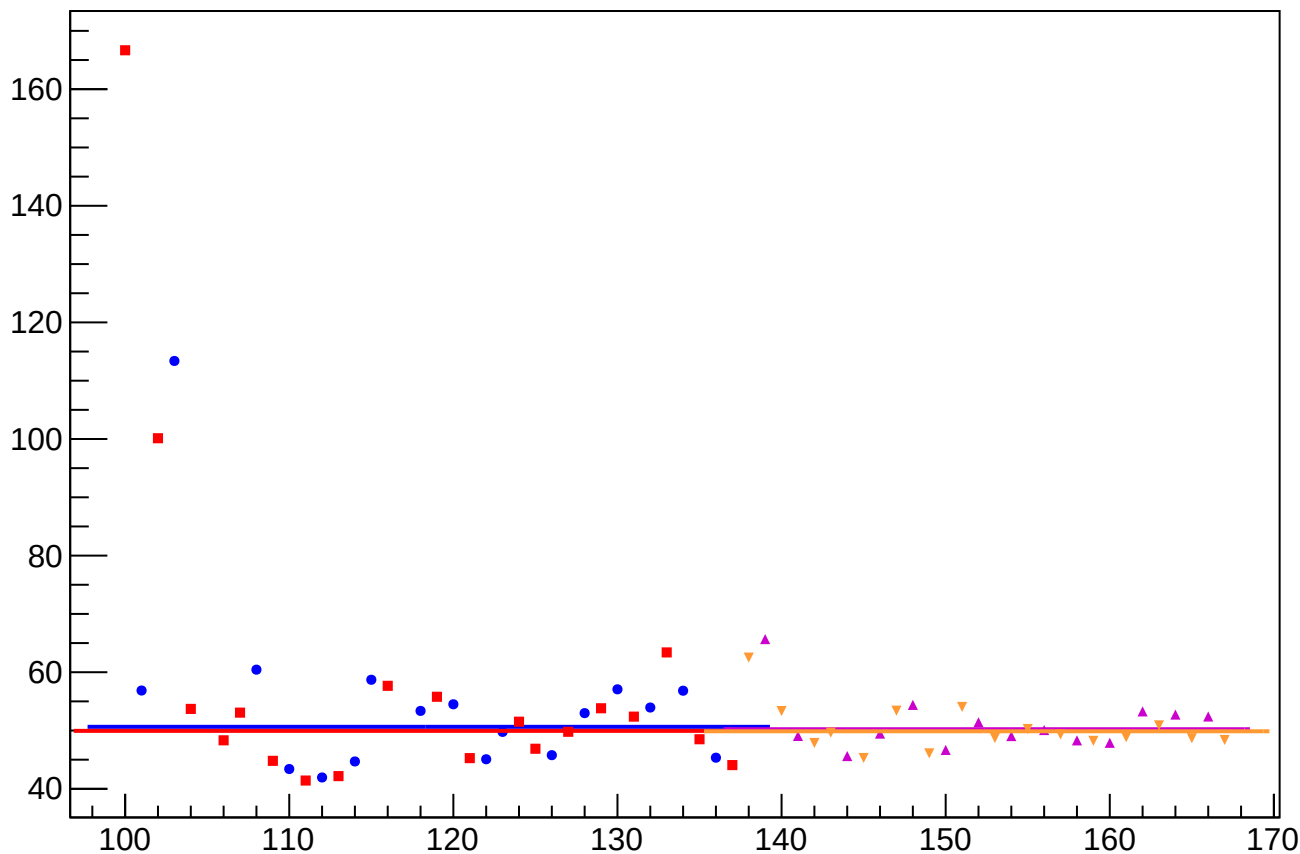
Right: 25.706 $\pm$ 13.979 χ^2/NDF : 41.1/35

In: 36.211 $\pm$ 12.192 χ^2/NDF :38.3/30

Out: 40.873 $\pm$ 11.630 χ^2/NDF :38.5/34

All: 38.652 $\pm$ 8.415 χ^2/NDF : 76.9/65

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635+/-0.014 χ^2/NDF : 519687.1/16

Left Out: 49.872+/-0.010 χ^2/NDF : 115564.4/15

Right Out: 49.943+/-0.014 χ^2/NDF : 500488.8/18

Left In: 50.225+/-0.011 χ^2/NDF : 135601.7/13

Left: 50.039+/-0.007 χ^2/NDF : 251723.9/29

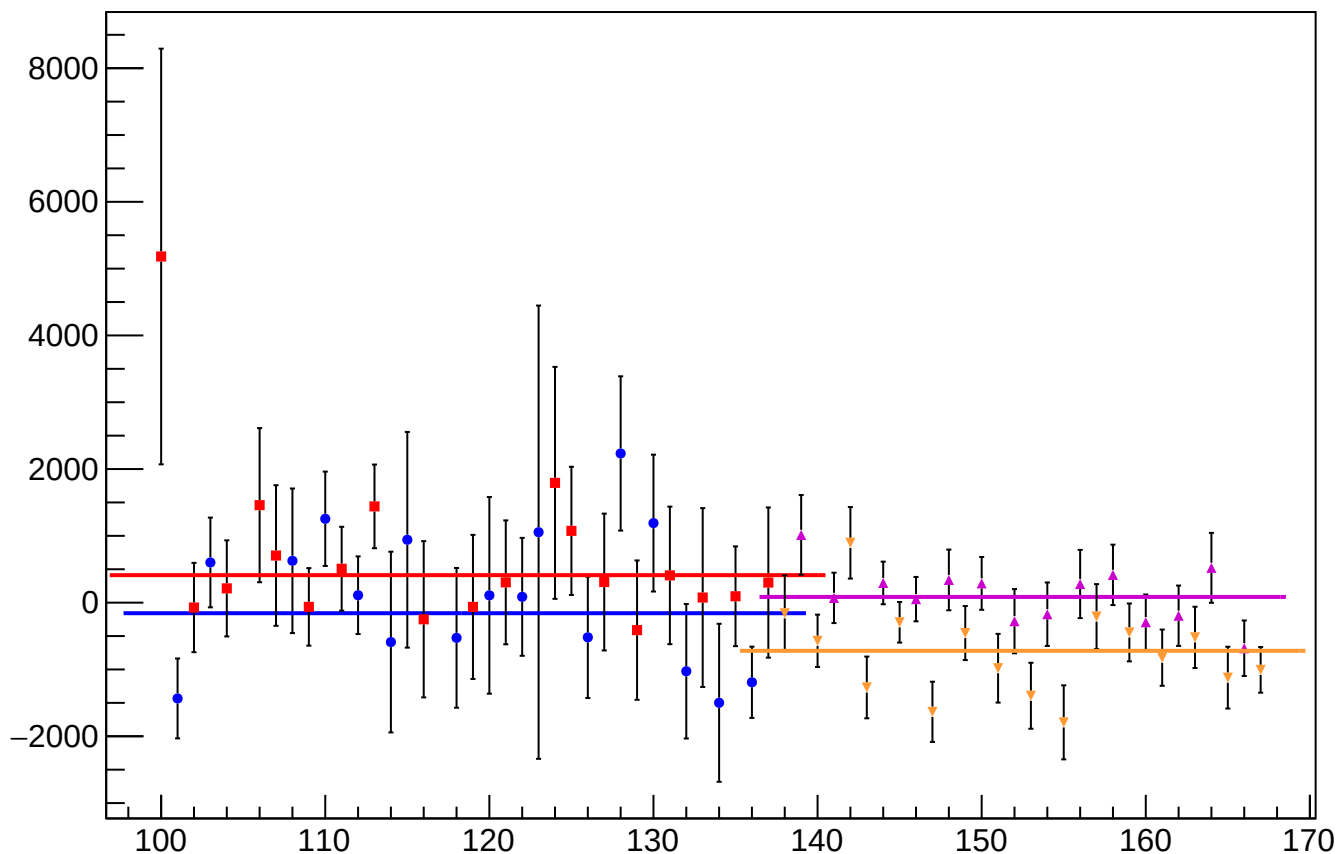
Right: 50.276+/-0.010 χ^2/NDF : 1021399.4/35

In: 50.375+/-0.009 χ^2/NDF : 655814.5/30

Out: 49.897+/-0.008 χ^2/NDF : 616070.2/34

All: 50.125+/-0.006 χ^2/NDF : 1273489.5/65

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: 85.727+/-113.490 χ^2/NDF : 10.3/13

Left: -333.380+/-78.654 χ^2/NDF : 63.8/29

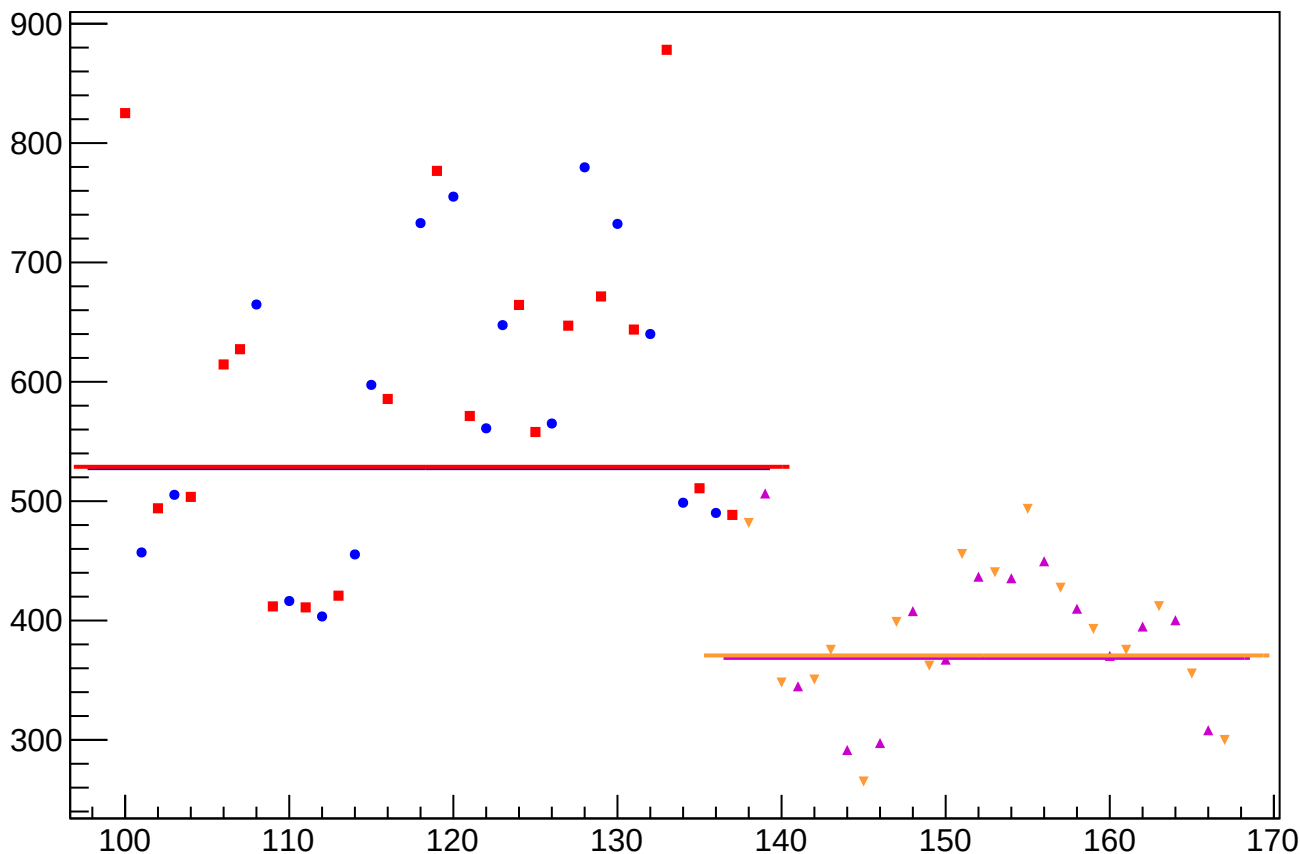
Right: 135.816+/-146.251 χ^2/NDF : 37.0/35

In: 30.707+/-99.862 χ^2/NDF : 34.8/30

Out: -468.172+/-96.172 χ^2/NDF : 61.0/34

All: -228.118+/-69.272 χ^2/NDF : 108.8/65

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 370.743+/-0.077 χ^2/NDF : 666032.4/15

Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

Left In: 368.724+/-0.080 χ^2/NDF : 541938.8/13

Left: 369.773+/-0.056 χ^2/NDF : 1208300.0/29

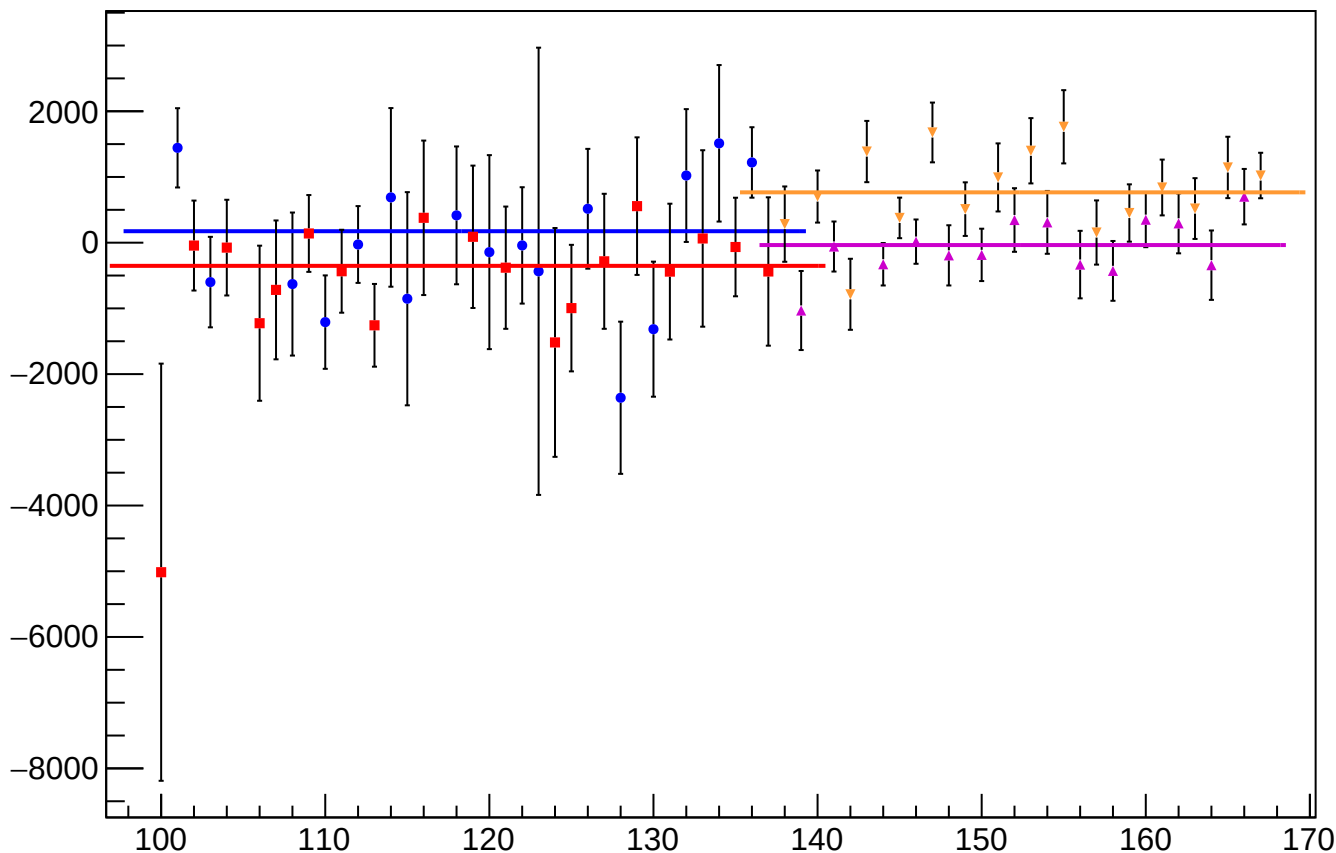
Right: 528.253+/-0.103 χ^2/NDF : 1180818.7/35

In: 404.603+/-0.071 χ^2/NDF : 1984864.0/30

Out: 405.999+/-0.068 χ^2/NDF : 2225637.2/34

All: 405.328+/-0.049 χ^2/NDF : 4210703.8/65

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: -36.156 $\pm$ 114.627 χ^2 /NDF:10.8/13

Left: 380.752 $\pm$ 79.434 χ^2 /NDF: 61.6/29

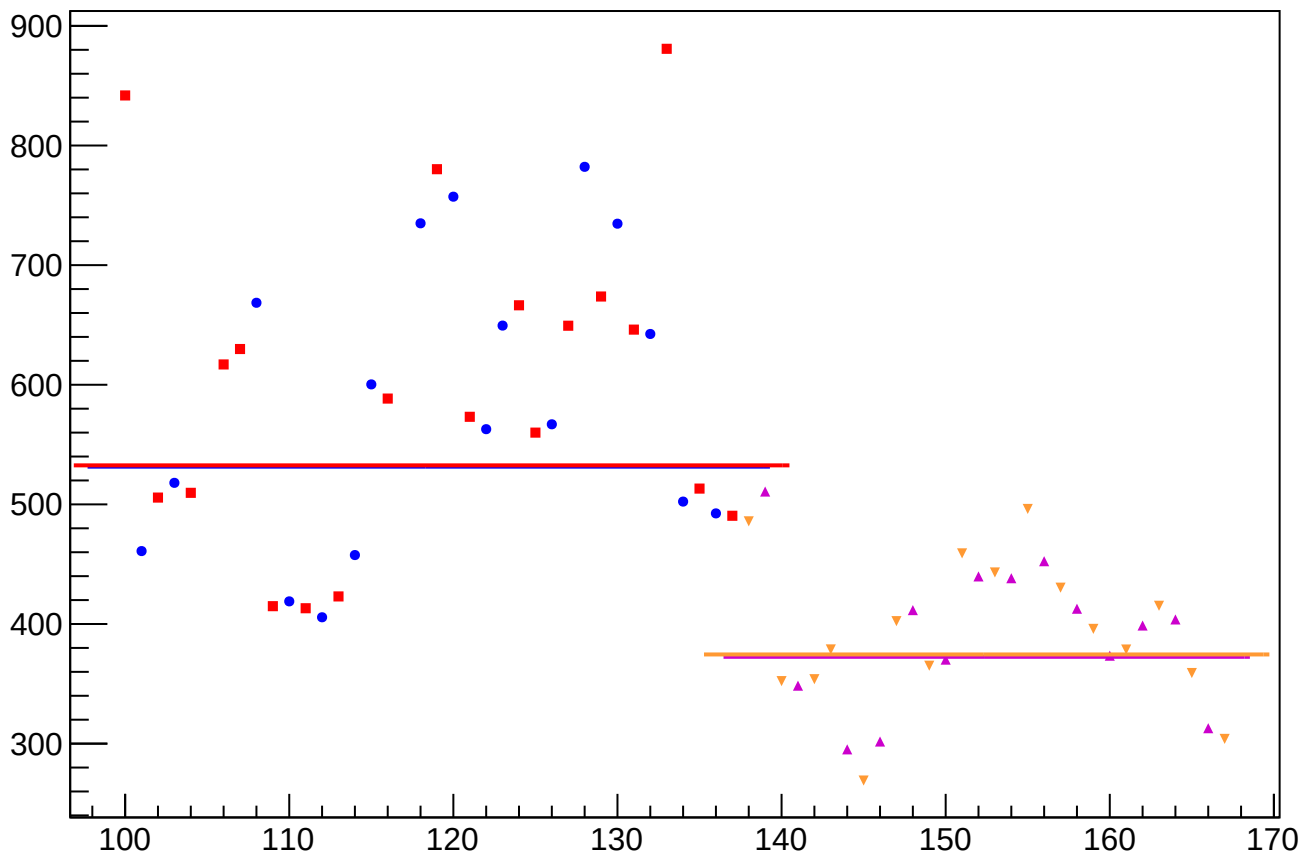
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: 11.639 $\pm$ 100.795 χ^2 /NDF:35.3/30

Out: 515.634 $\pm$ 97.070 χ^2 /NDF:56.9/34

All: 273.121 $\pm$ 69.919 χ^2 /NDF: 105.1/65

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 374.547+/-0.078 χ^2/NDF : 645312.3/15

Right Out: 532.620+/-0.145 χ^2/NDF : 615746.2/18

Left In: 372.585+/-0.081 χ^2/NDF : 525168.0/13

Left: 373.605+/-0.056 χ^2/NDF : 1170784.9/29

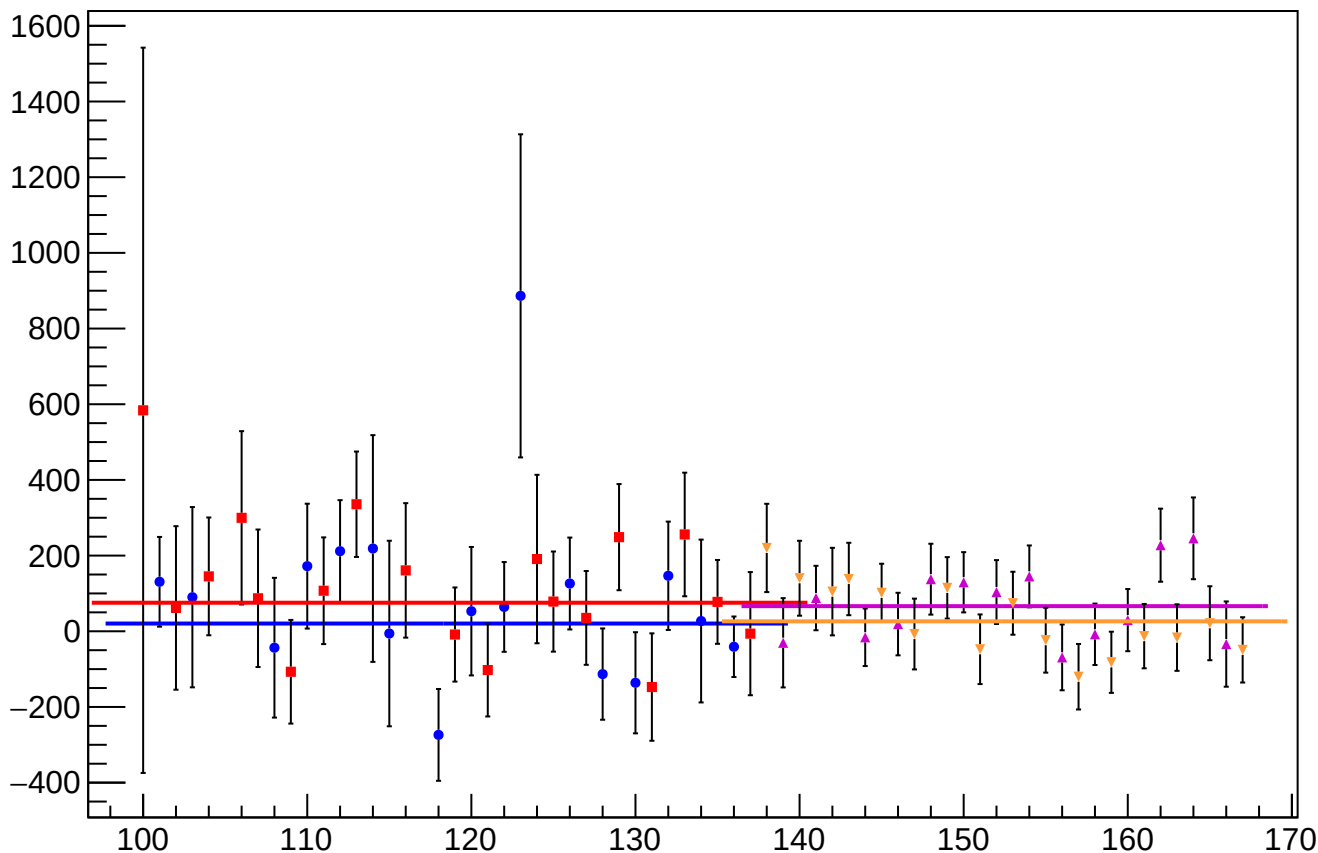
Right: 532.104+/-0.104 χ^2/NDF : 1165860.0/35

In: 408.636+/-0.071 χ^2/NDF : 1947569.5/30

Out: 409.919+/-0.069 χ^2/NDF : 2182282.9/34

All: 409.302+/-0.049 χ^2/NDF : 4130020.8/65

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: 66.385 $\pm$ 23.601 χ^2 /NDF:14.4/13

Left: 45.308 $\pm$ 16.262 χ^2 /NDF: 31.2/29

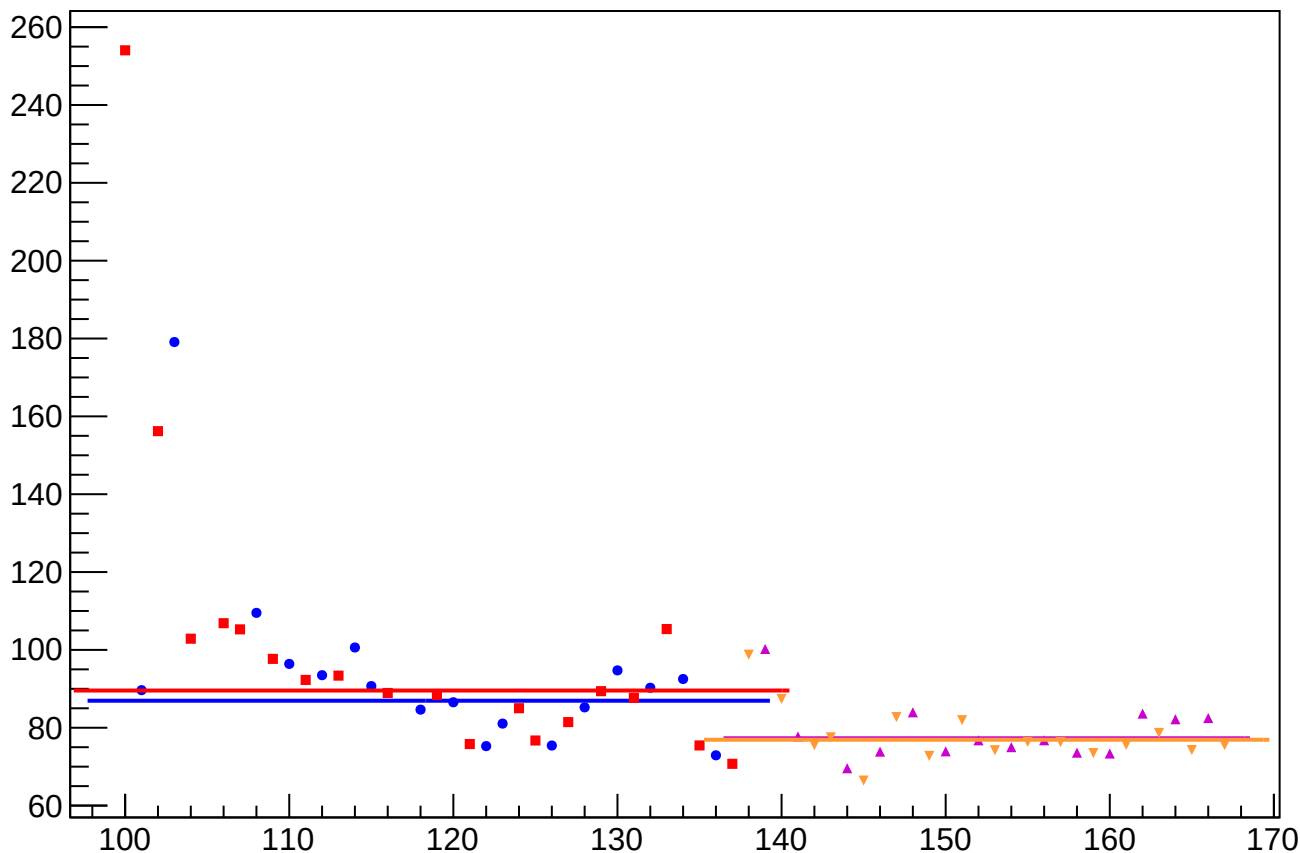
Right: 47.856 $\pm$ 24.495 χ^2 /NDF: 35.9/35

In: 51.786 $\pm$ 19.494 χ^2 /NDF:34.8/30

Out: 40.764 $\pm$ 18.843 χ^2 /NDF:32.2/34

All: 46.088 $\pm$ 13.548 χ^2 /NDF: 67.2/65

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: 77.292 $\pm$ 0.017 χ^2 /NDF: 140795.7/13

Left: 77.095 $\pm$ 0.011 χ^2 /NDF: 299333.7/29

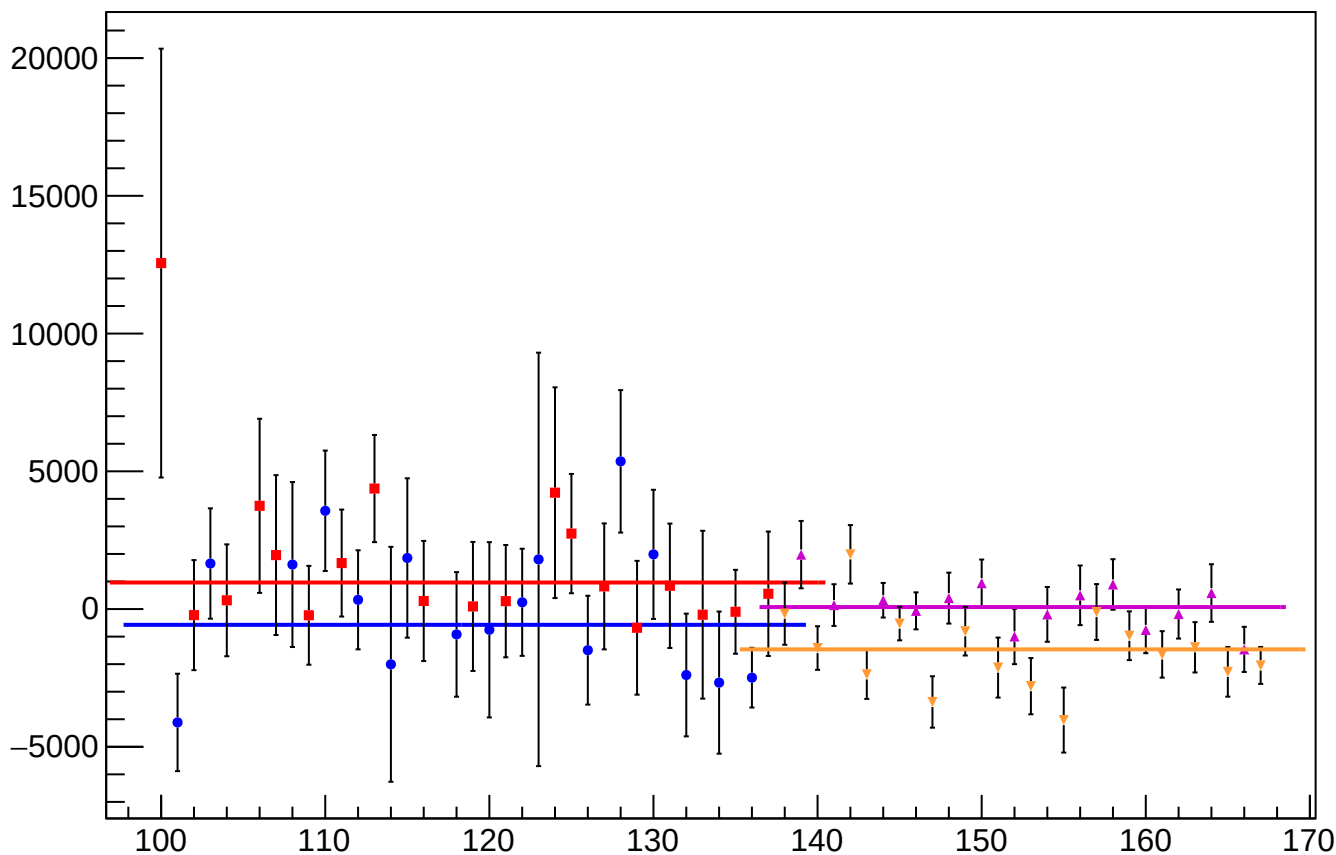
Right: 88.247 $\pm$ 0.017 χ^2 /NDF: 892752.0/35

In: 80.359 $\pm$ 0.014 χ^2 /NDF: 702852.5/30

Out: 80.645 $\pm$ 0.013 χ^2 /NDF: 776771.0/34

All: 80.507 $\pm$ 0.010 χ^2 /NDF: 1479846.7/65

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 $\pm$ 517.020 χ^2 /NDF: 21.9/16

Left Out: -1463.400 $\pm$ 220.852 χ^2 /NDF:30.6/15

Right Out: 963.846 $\pm$ 514.621 χ^2 /NDF: 10.1/18

Left In: 72.453 $\pm$ 230.578 χ^2 /NDF:10.7/13

Left: -728.550 $\pm$ 159.494 χ^2 /NDF: 64.4/29

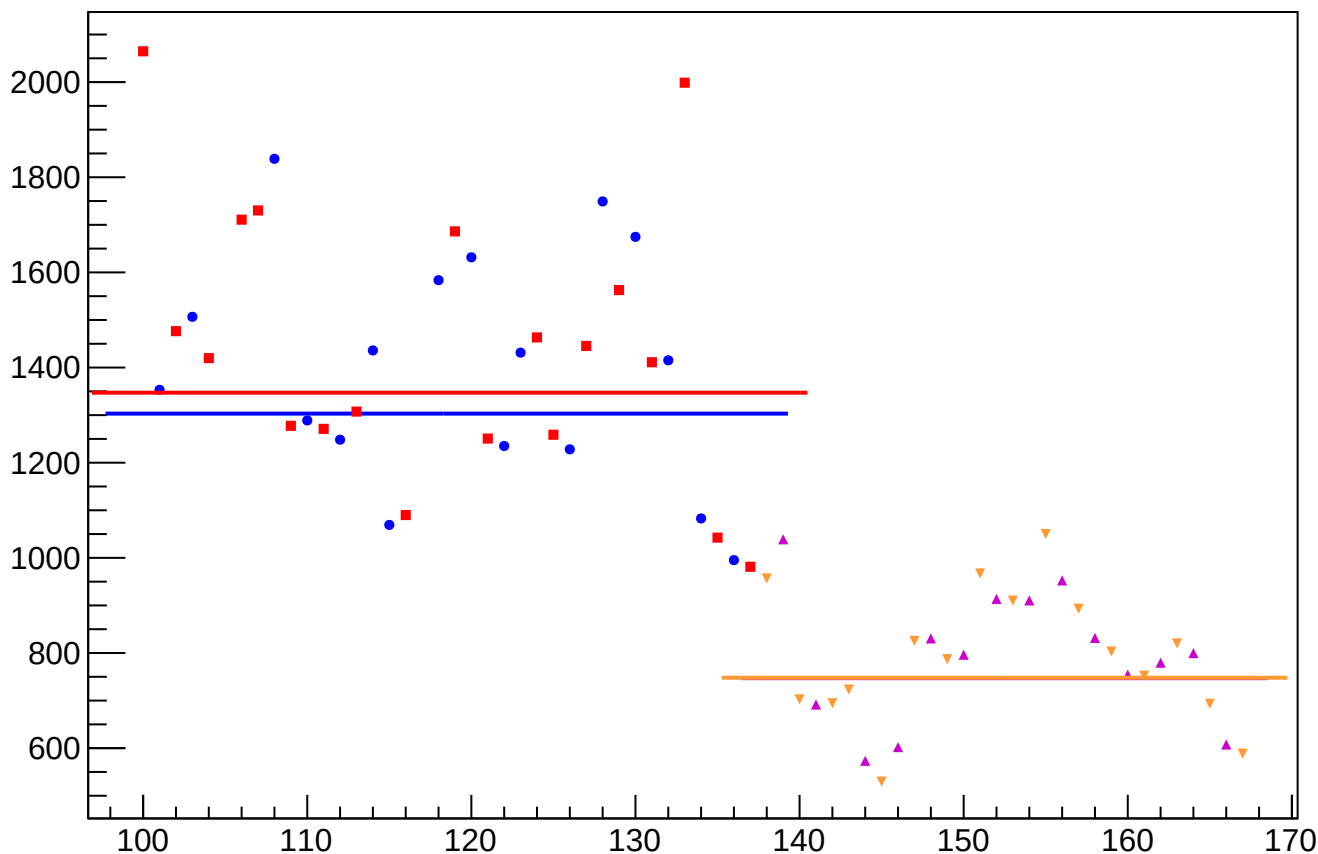
Right: 199.325 $\pm$ 364.737 χ^2 /NDF: 36.4/35

In: -34.517 $\pm$ 210.585 χ^2 /NDF:33.9/30

Out: -1085.893 $\pm$ 202.952 χ^2 /NDF:59.4/34

All: -579.605 $\pm$ 146.133 χ^2 /NDF: 106.3/65

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: 747.119+/-0.163 χ^2/NDF : 657867.8/13

Left: 747.597+/-0.113 χ^2/NDF : 1458879.9/29

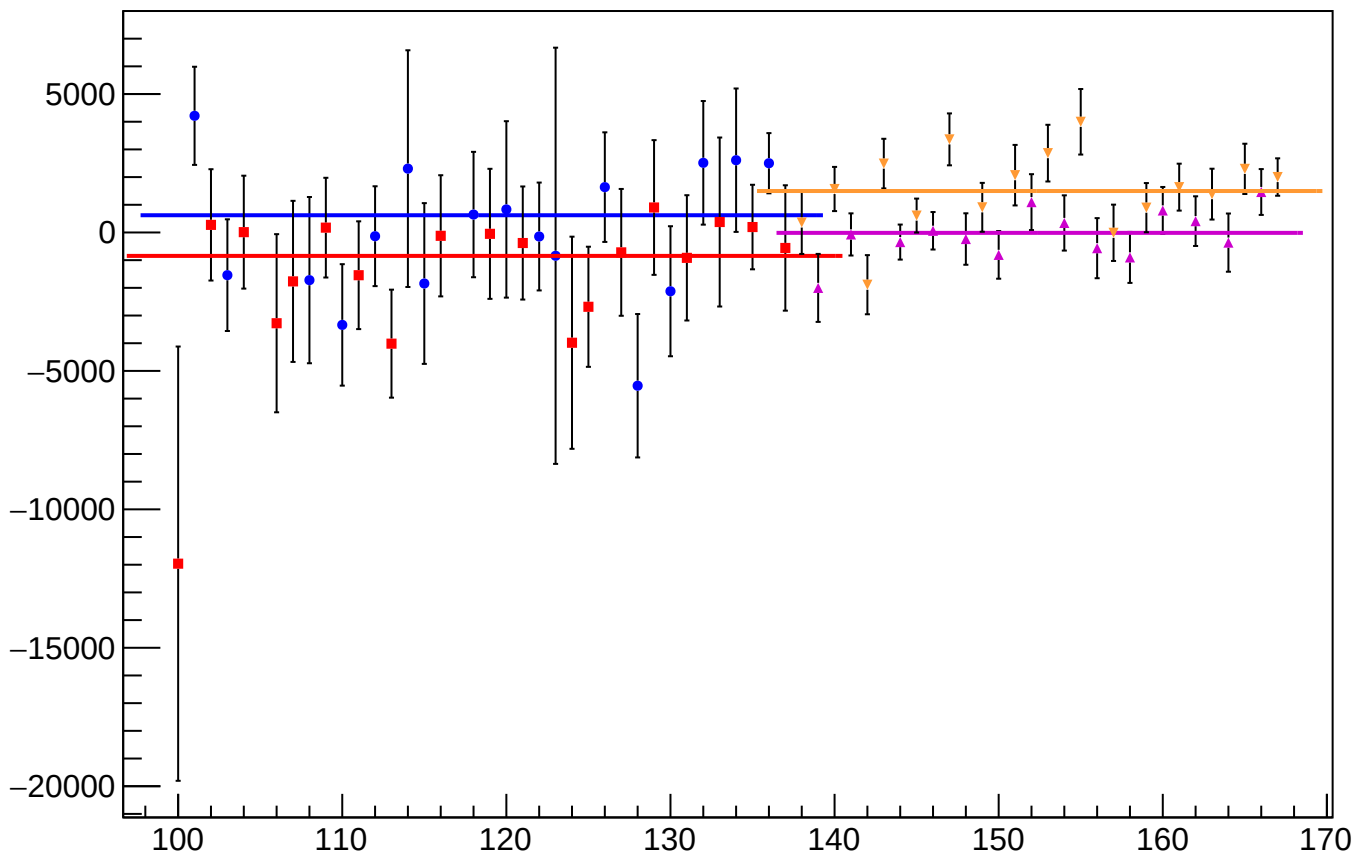
Right: 1325.291+/-0.258 χ^2/NDF : 880004.2/35

In: 839.372+/-0.149 χ^2/NDF : 3039628.6/30

Out: 841.220+/-0.144 χ^2/NDF : 3511042.5/34

All: 840.330+/-0.103 χ^2/NDF : 6550751.0/65

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 1497.218+/-222.153 χ^2/NDF : 29.3/15

Right Out: -846.021+/-516.325 χ^2/NDF : 9.1/18

Left In: -14.005+/-231.968 χ^2/NDF : 10.8/13

Left: 774.252+/-160.444 χ^2/NDF : 62.2/29

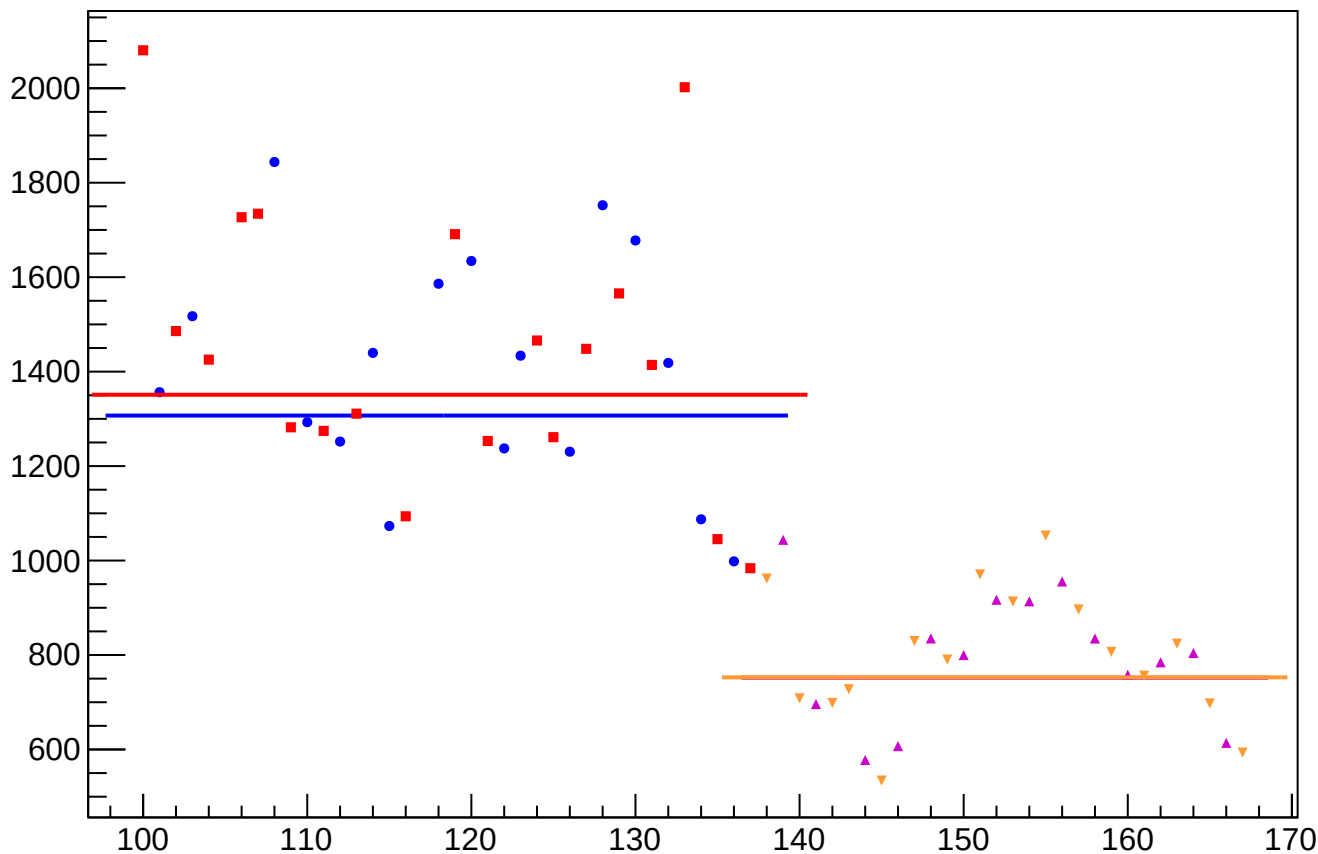
Right: -114.886+/-365.862 χ^2/NDF : 35.1/35

In: 92.133+/-211.743 χ^2/NDF : 34.0/30

Out: 1131.190+/-204.066 χ^2/NDF : 55.8/34

All: 630.839+/-146.936 χ^2/NDF : 102.2/65

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: 751.862 ± 0.164 $\chi^2/\text{NDF}: 645118.5/13$

Left: 752.288 ± 0.113 $\chi^2/\text{NDF}: 1432024.2/29$

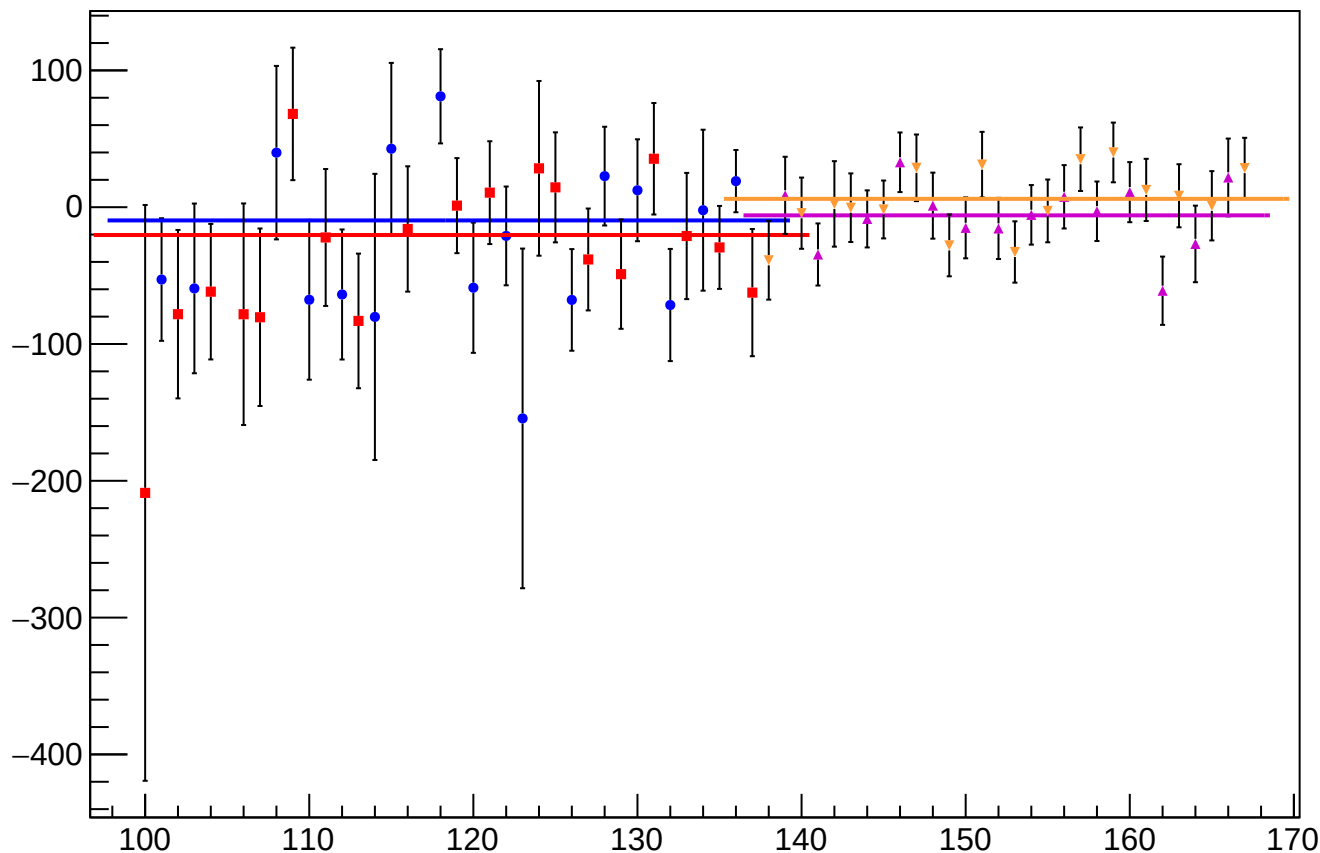
Right: 1329.131 ± 0.259 $\chi^2/\text{NDF}: 880266.0/35$

In: 844.442 ± 0.150 $\chi^2/\text{NDF}: 3006485.4/30$

Out: 846.155 ± 0.144 $\chi^2/\text{NDF}: 3475578.5/34$

All: 845.330 ± 0.104 $\chi^2/\text{NDF}: 6482131.8/65$

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: -5.966 ± 6.248 $\chi^2/\text{NDF}: 12.8/13$

Left: 0.354 ± 4.311 $\chi^2/\text{NDF}: 30.1/29$

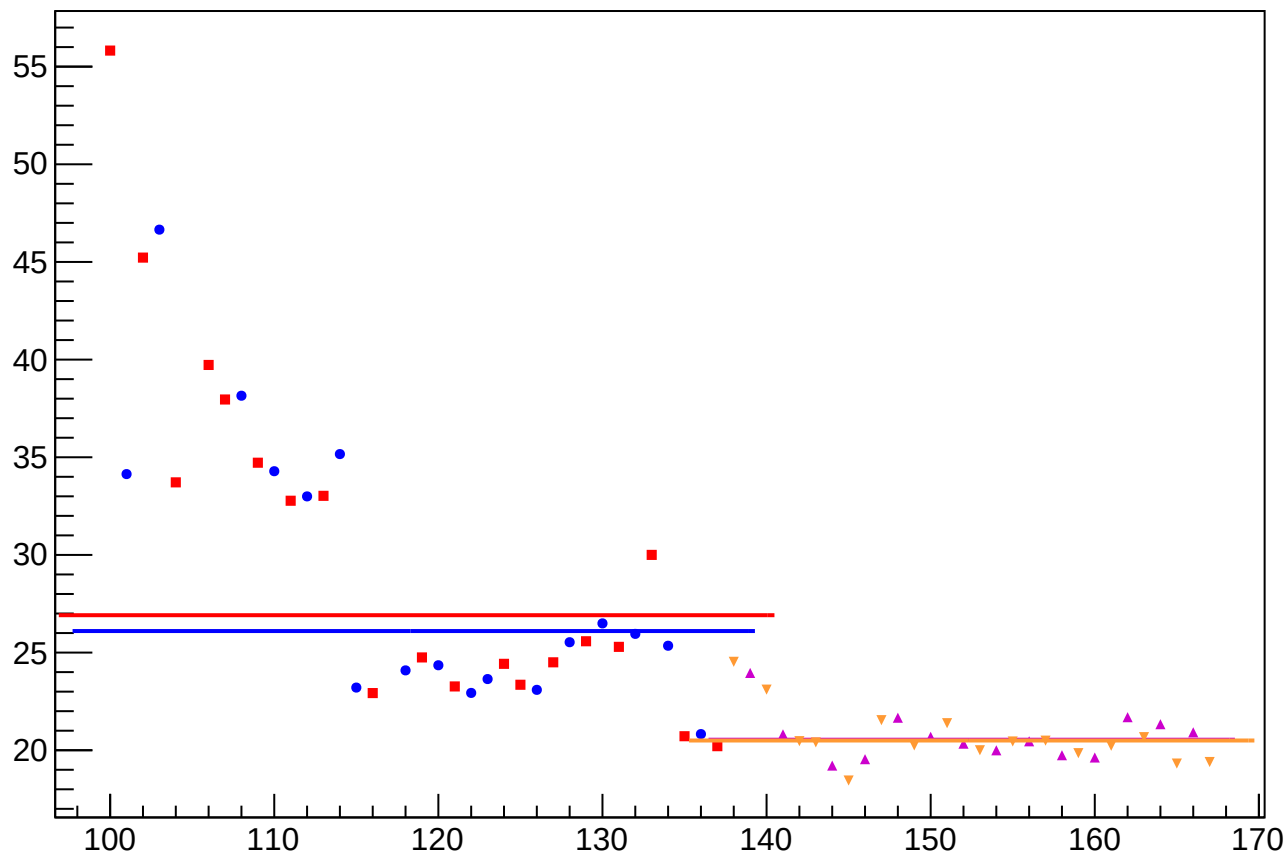
Right: -14.983 ± 7.372 $\chi^2/\text{NDF}: 37.7/35$

In: -6.947 ± 5.357 $\chi^2/\text{NDF}: 35.5/30$

Out: -0.389 ± 5.174 $\chi^2/\text{NDF}: 34.8/34$

All: -3.555 ± 3.722 $\chi^2/\text{NDF}: 71.1/65$

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.499 $\pm$ 0.004 χ^2 /NDF: 97110.8/15

Right Out: 26.914 $\pm$ 0.007 χ^2 /NDF: 678970.2/18

Left In: 20.539 $\pm$ 0.004 χ^2 /NDF: 60187.9/13

Left: 20.518 $\pm$ 0.003 χ^2 /NDF: 157342.5/29

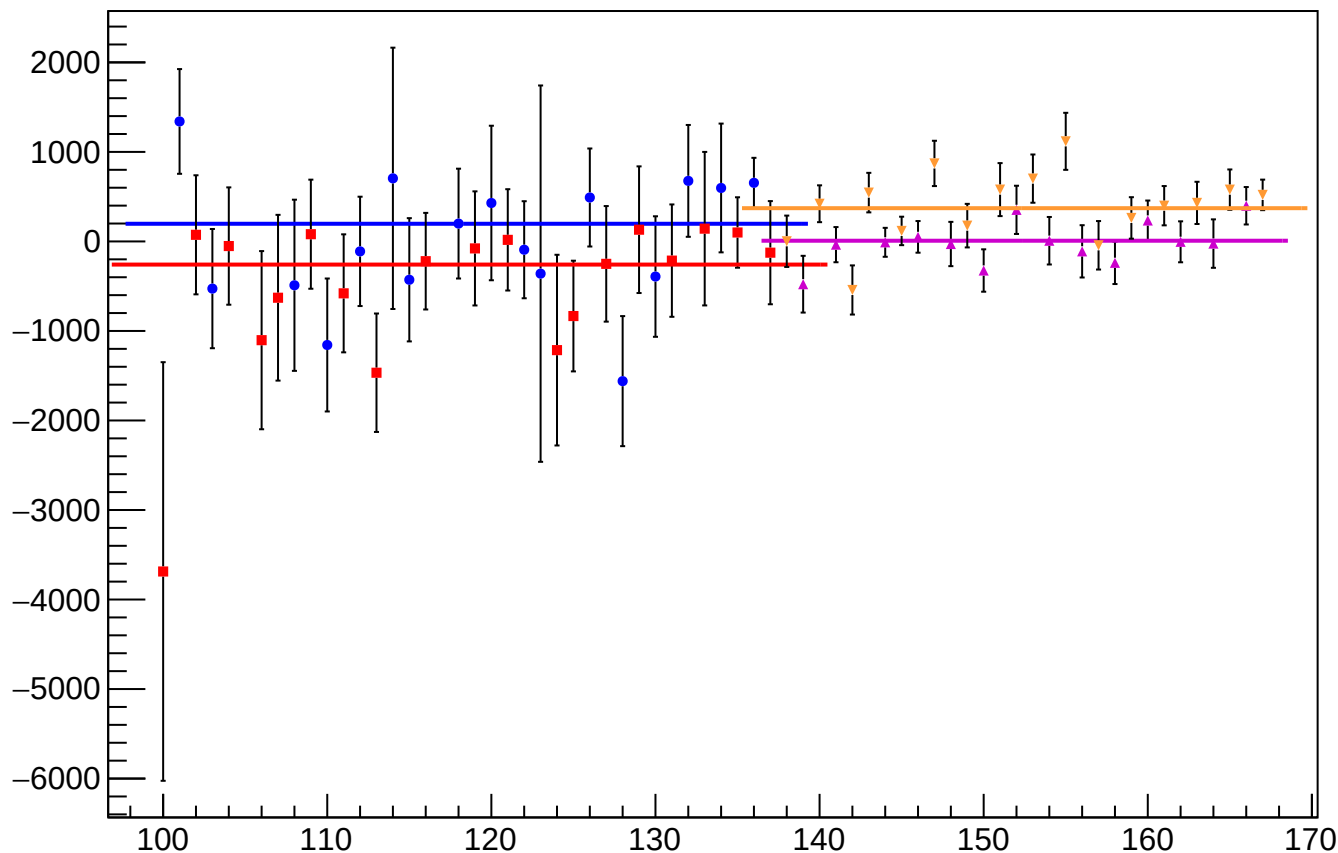
Right: 26.507 $\pm$ 0.005 χ^2 /NDF: 1289062.8/35

In: 22.013 $\pm$ 0.004 χ^2 /NDF: 1084315.5/30

Out: 22.074 $\pm$ 0.004 χ^2 /NDF: 1345440.4/34

All: 22.044 $\pm$ 0.003 χ^2 /NDF: 2429888.5/65

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 ± 147.883 $\chi^2/\text{NDF}: 21.0/16$

Left Out: 371.397 ± 57.564 $\chi^2/\text{NDF}: 32.3/15$

Right Out: -258.537 ± 149.867 $\chi^2/\text{NDF}: 10.7/18$

Left In: 7.875 ± 60.466 $\chi^2/\text{NDF}: 11.9/13$

Left: 198.571 ± 41.692 $\chi^2/\text{NDF}: 63.1/29$

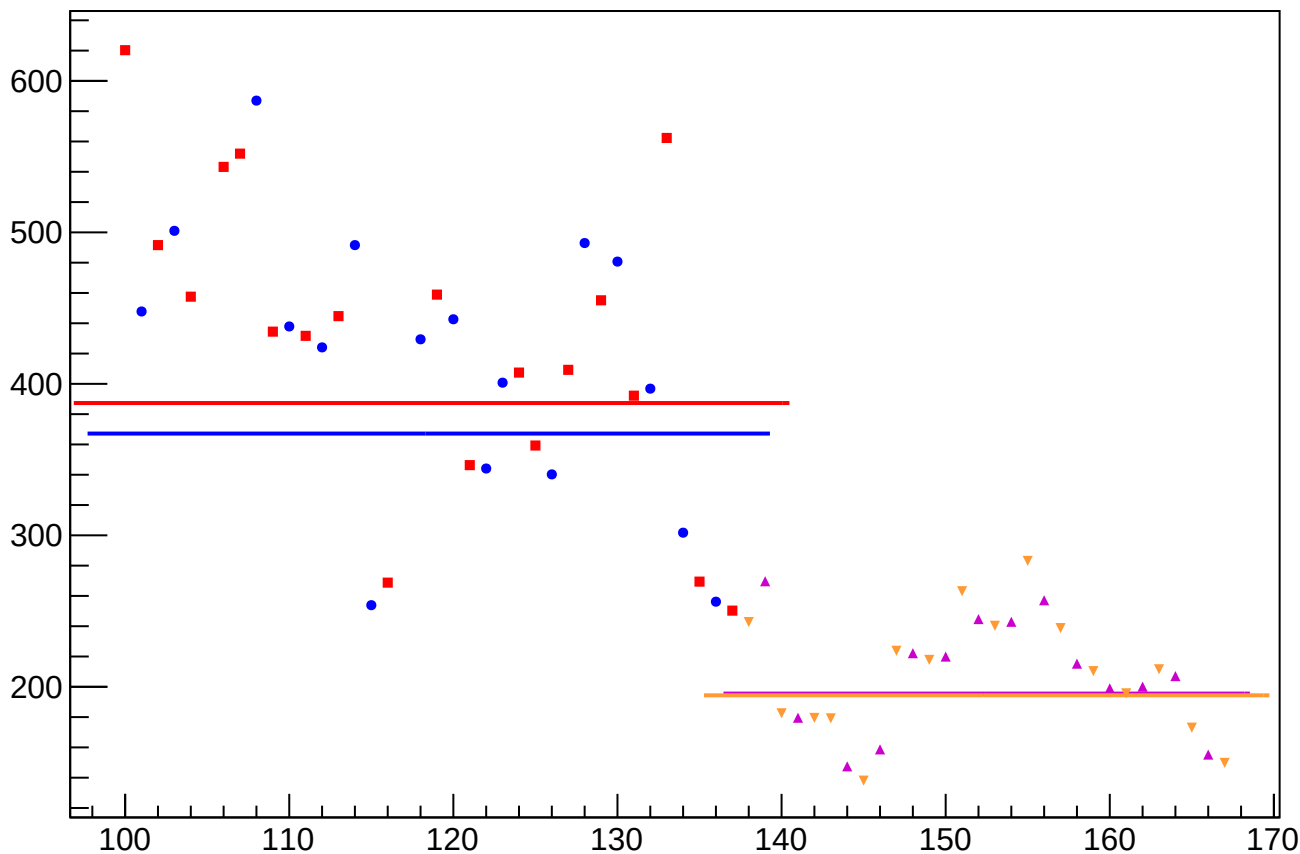
Right: -27.568 ± 105.264 $\chi^2/\text{NDF}: 36.3/35$

In: 35.011 ± 55.969 $\chi^2/\text{NDF}: 34.2/30$

Out: 290.410 ± 53.736 $\chi^2/\text{NDF}: 58.3/34$

All: 167.906 ± 38.762 $\chi^2/\text{NDF}: 103.4/65$

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: 195.526 $\pm$ 0.043 χ^2 /NDF: 742976.0/13

Left: 194.923 $\pm$ 0.029 χ^2 /NDF: 1668535.0/29

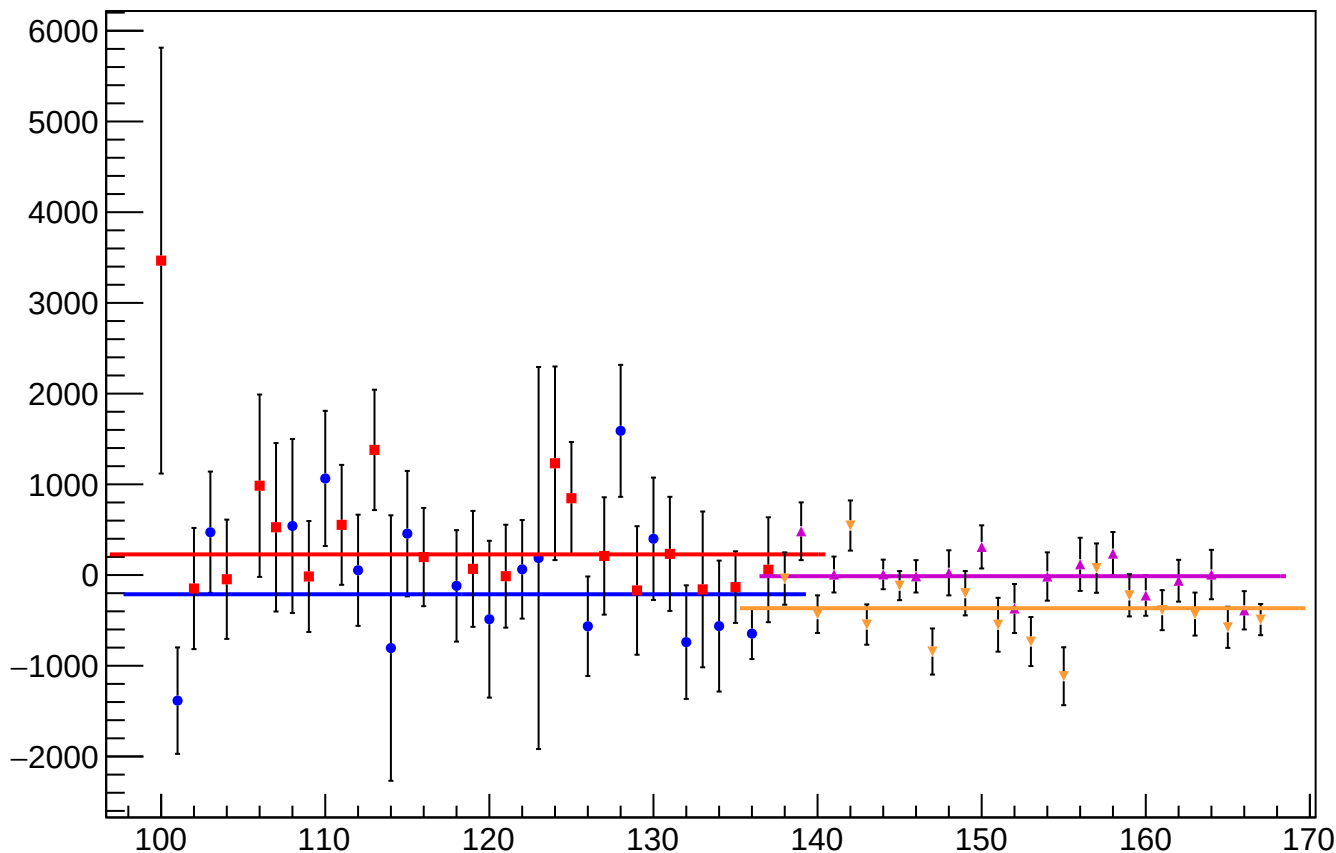
Right: 377.128 $\pm$ 0.074 χ^2 /NDF: 1620053.1/35

In: 220.113 $\pm$ 0.040 χ^2 /NDF: 3878799.9/30

Out: 219.185 $\pm$ 0.038 χ^2 /NDF: 4589252.0/34

All: 219.630 $\pm$ 0.027 χ^2 /NDF: 8468338.2/65

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: -12.793 ± 60.840 χ^2/NDF : 11.5/13

Left: -197.885 ± 41.949 χ^2/NDF : 60.6/29

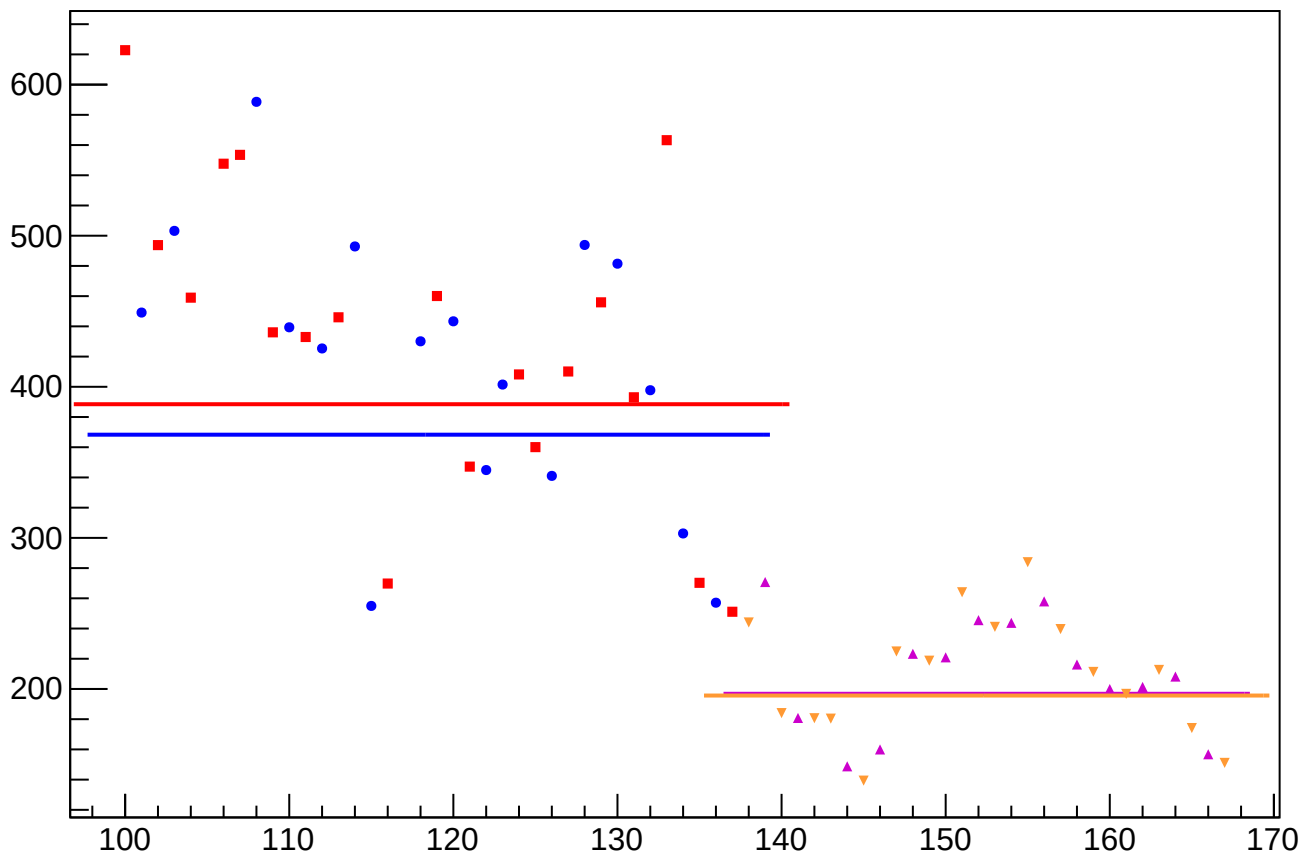
Right: 5.040 ± 105.575 χ^2/NDF : 35.4/35

In: -41.465 ± 56.288 χ^2/NDF : 34.0/30

Out: -288.909 ± 54.045 χ^2/NDF : 55.2/34

All: -170.216 ± 38.984 χ^2/NDF : 99.2/65

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: 196.814 $\pm$ 0.043 χ^2 /NDF: 727381.2/13

Left: 196.206 $\pm$ 0.030 χ^2 /NDF: 1635617.4/29

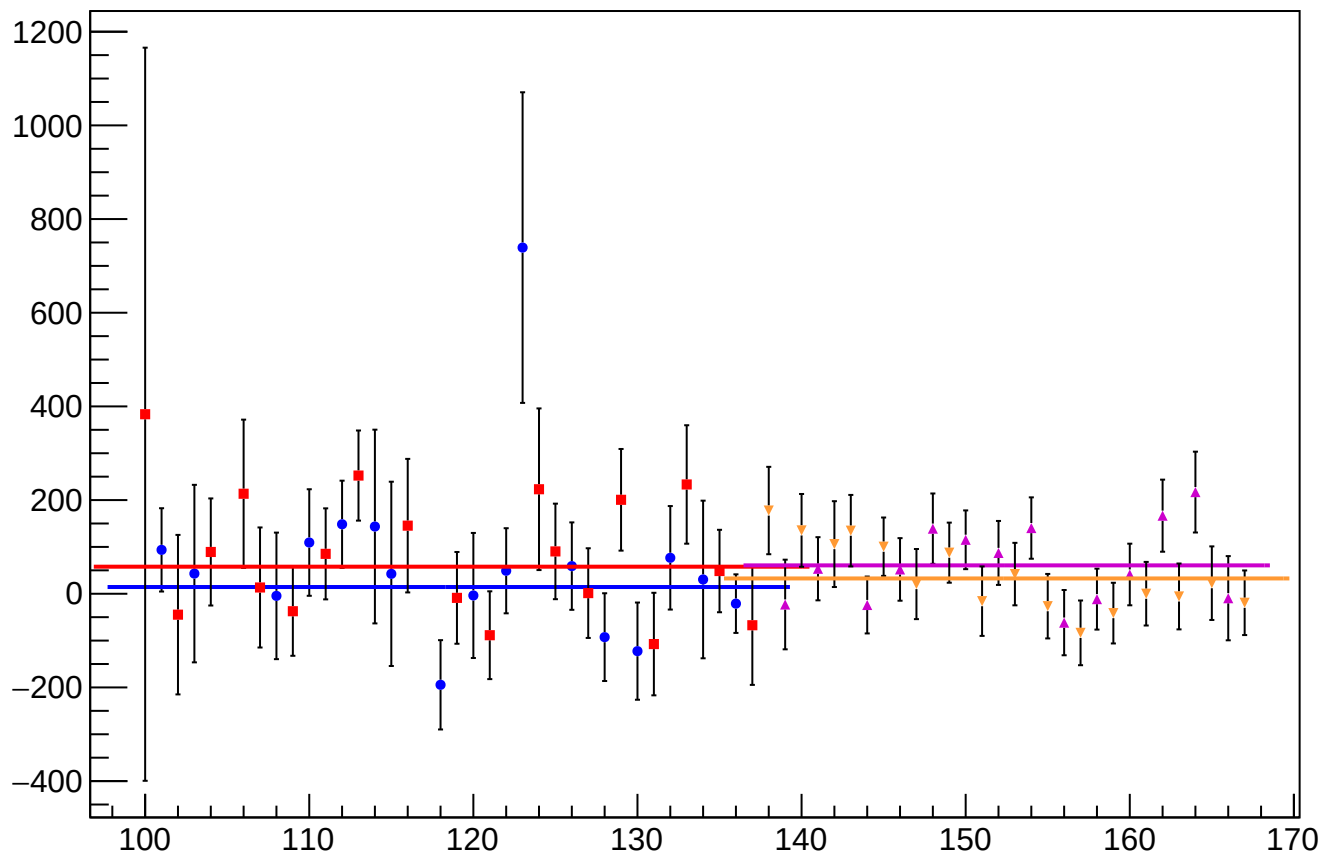
Right: 378.252 $\pm$ 0.075 χ^2 /NDF: 1617584.5/35

In: 221.514 $\pm$ 0.040 χ^2 /NDF: 3840631.1/30

Out: 220.580 $\pm$ 0.038 χ^2 /NDF: 4548030.4/34

All: 221.028 $\pm$ 0.028 χ^2 /NDF: 8388947.9/65

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 32.688 $\pm$ 17.939 χ^2 /NDF:15.0/15

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

Left In: 60.597 $\pm$ 18.887 χ^2 /NDF:16.4/13

Left: 45.925 $\pm$ 13.007 χ^2 /NDF: 32.5/29

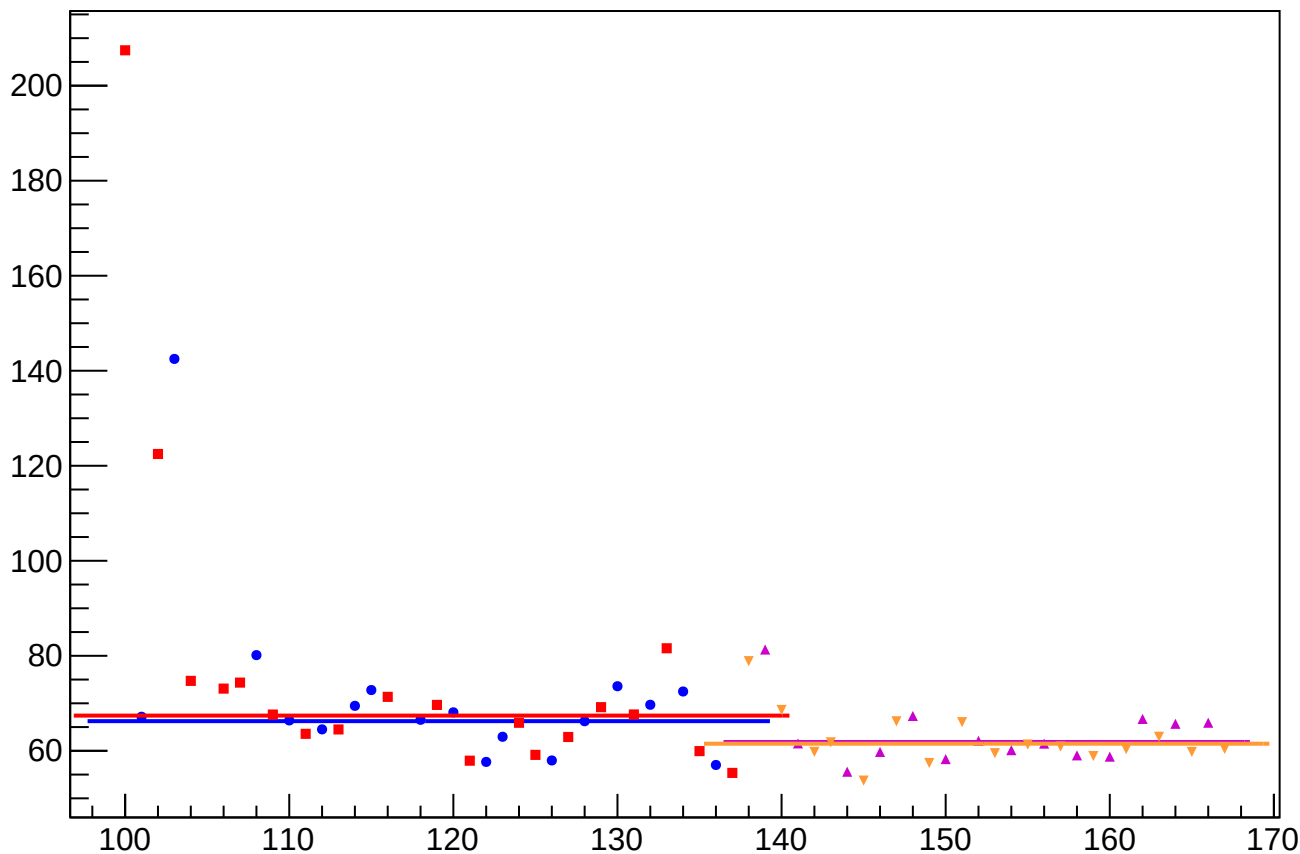
Right: 36.266 $\pm$ 18.545 χ^2 /NDF: 37.5/35

In: 44.900 $\pm$ 15.348 χ^2 /NDF:36.1/30

Out: 40.735 $\pm$ 14.788 χ^2 /NDF:34.0/34

All: 42.740 $\pm$ 10.649 χ^2 /NDF: 70.2/65

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: 61.857 $\pm$ 0.013 χ^2 /NDF: 148697.9/13

Left: 61.669 $\pm$ 0.009 χ^2 /NDF: 298443.8/29

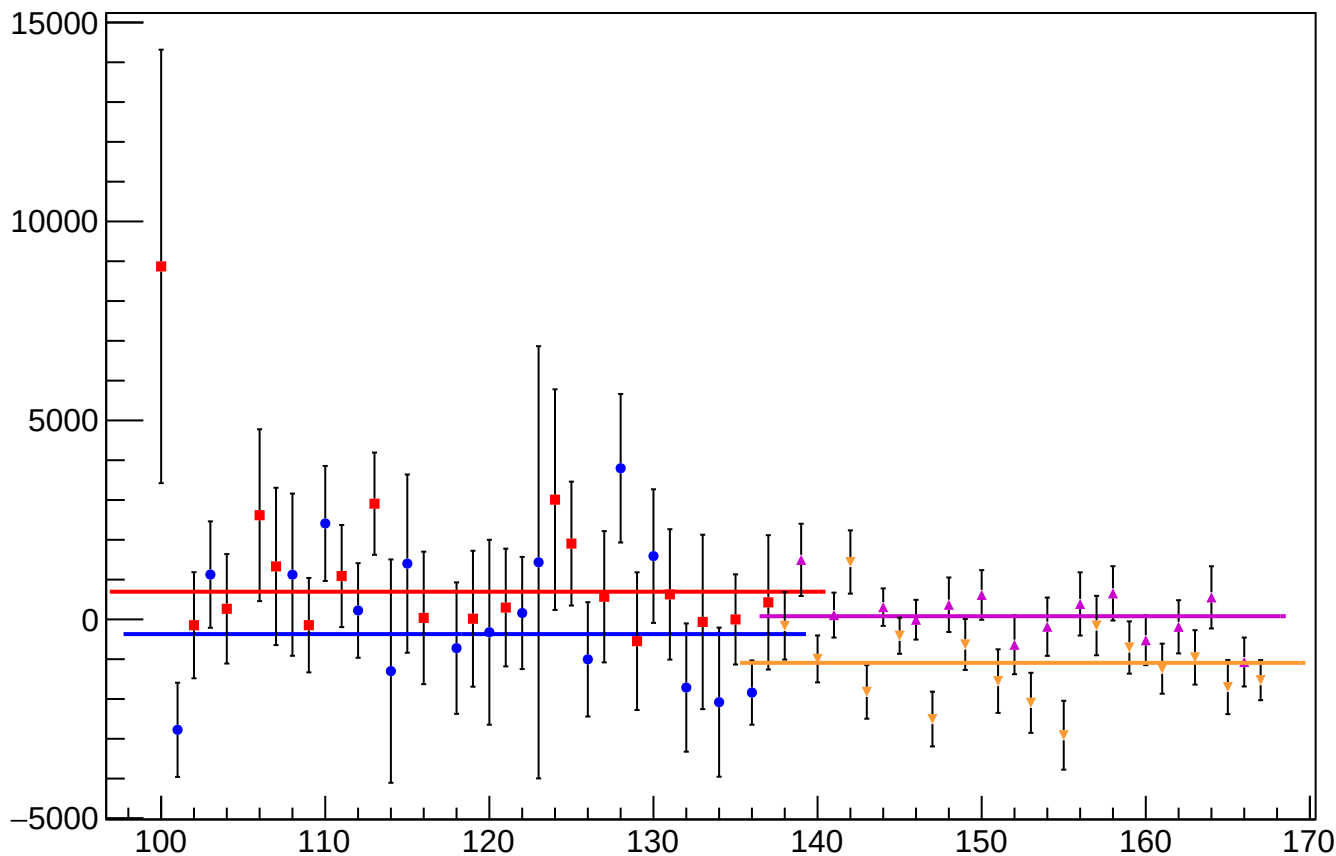
Right: 66.836 $\pm$ 0.013 χ^2 /NDF: 836536.0/35

In: 63.348 $\pm$ 0.011 χ^2 /NDF: 626340.0/30

Out: 63.395 $\pm$ 0.010 χ^2 /NDF: 612679.8/34

All: 63.373 $\pm$ 0.008 χ^2 /NDF: 1239029.5/65

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546 ± 366.432 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -1092.088 ± 164.406 $\chi^2/\text{NDF}: 29.6/15$

Right Out: 695.425 ± 361.887 $\chi^2/\text{NDF}: 9.9/18$

Left In: 79.859 ± 171.388 $\chi^2/\text{NDF}: 10.5/13$

Left: -530.471 ± 118.644 $\chi^2/\text{NDF}: 64.5/29$

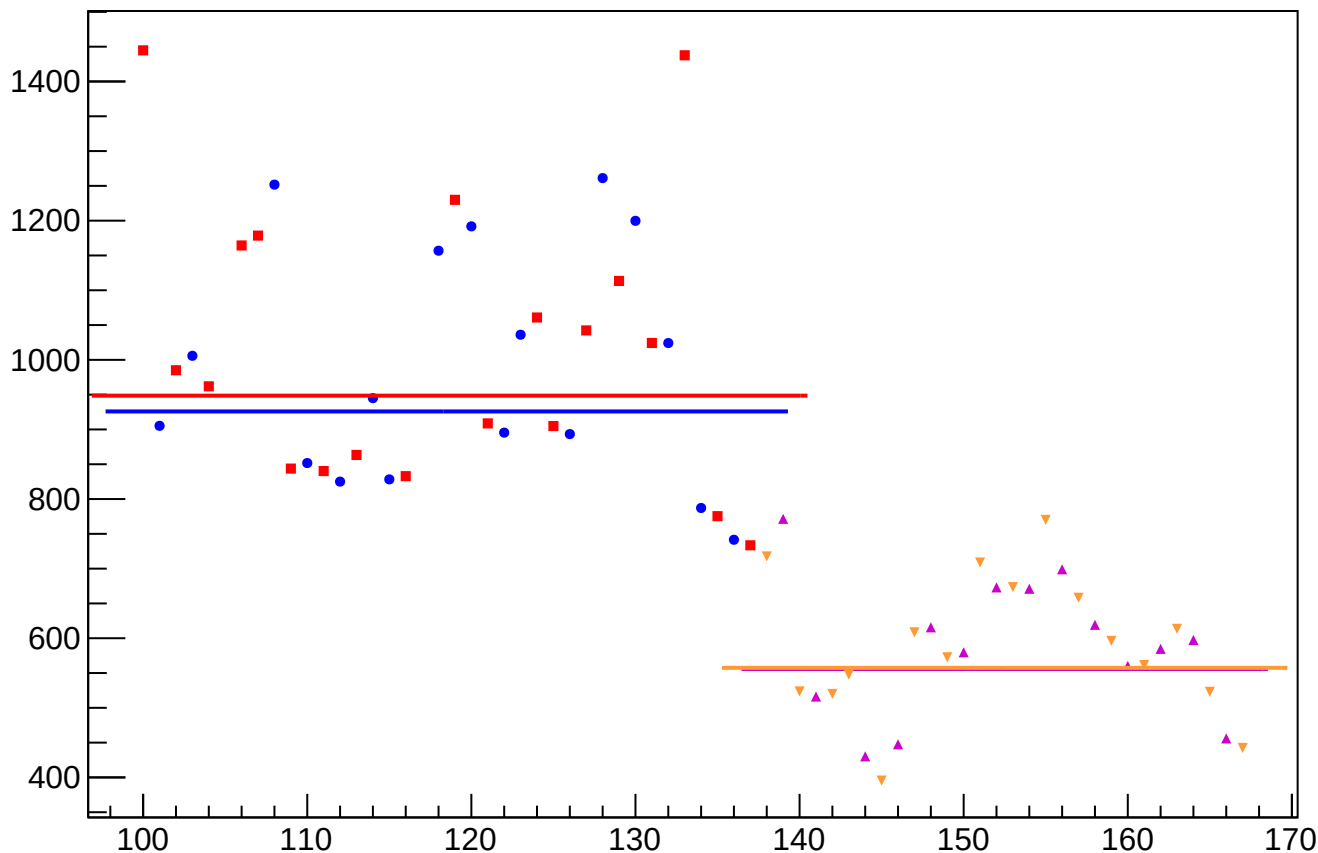
Right: 169.586 ± 257.485 $\chi^2/\text{NDF}: 36.5/35$

In: -0.807 ± 155.246 $\chi^2/\text{NDF}: 34.0/30$

Out: -786.278 ± 149.684 $\chi^2/\text{NDF}: 59.8/34$

All: -407.866 ± 107.755 $\chi^2/\text{NDF}: 107.1/65$

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 557.465 $\pm$ 0.116 χ^2 /NDF: 755818.9/15

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

Left In: 555.817 $\pm$ 0.121 χ^2 /NDF: 620944.2/13

Left: 556.675 $\pm$ 0.084 χ^2 /NDF: 1376859.5/29

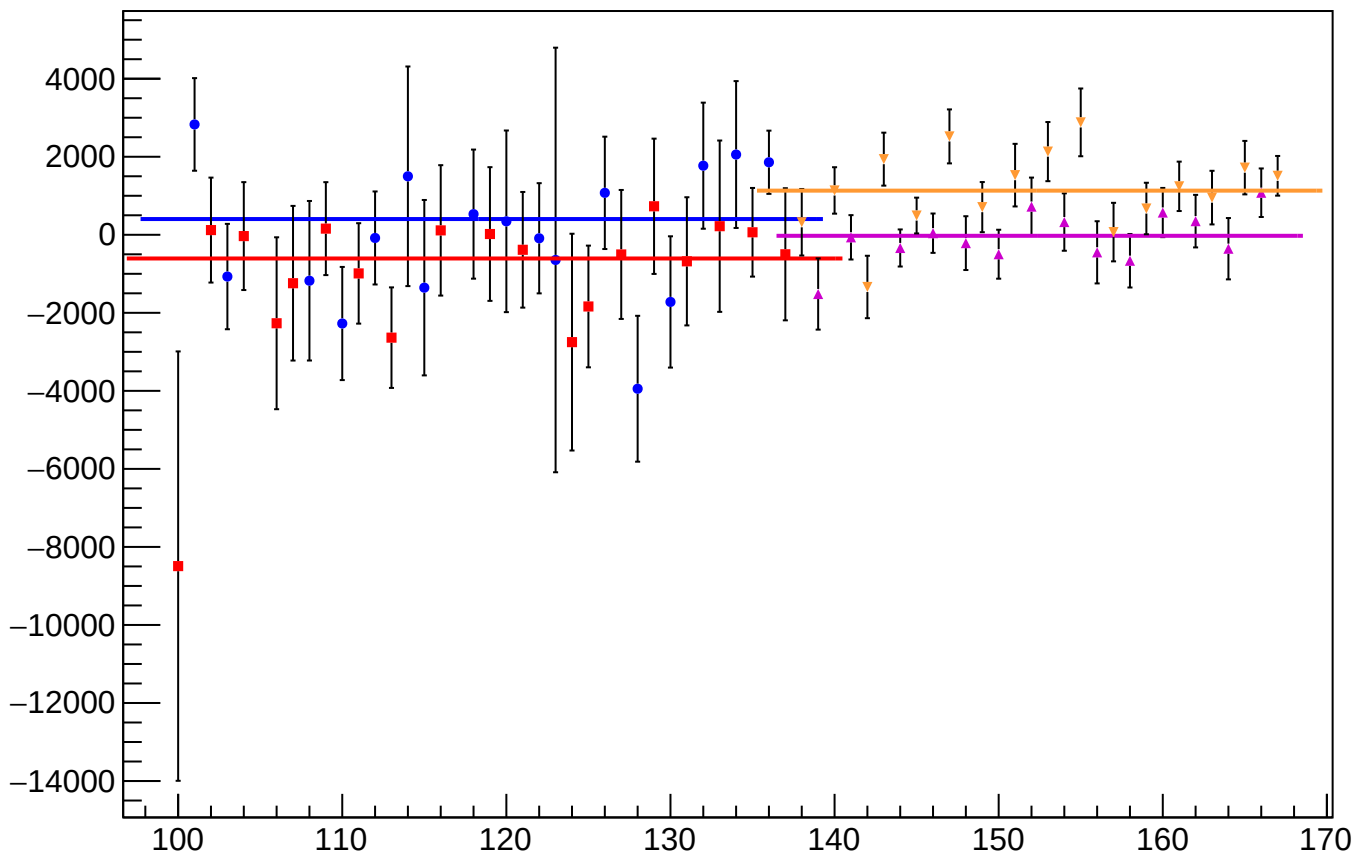
Right: 937.360 $\pm$ 0.182 χ^2 /NDF: 776890.8/35

In: 622.242 $\pm$ 0.110 χ^2 /NDF: 2685763.9/30

Out: 624.373 $\pm$ 0.106 χ^2 /NDF: 3073916.1/34

All: 623.346 $\pm$ 0.076 χ^2 /NDF: 5759875.3/65

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: -25.946+/-172.570 χ^2/NDF : 10.7/13

Left: 577.018+/-119.452 χ^2/NDF : 62.3/29

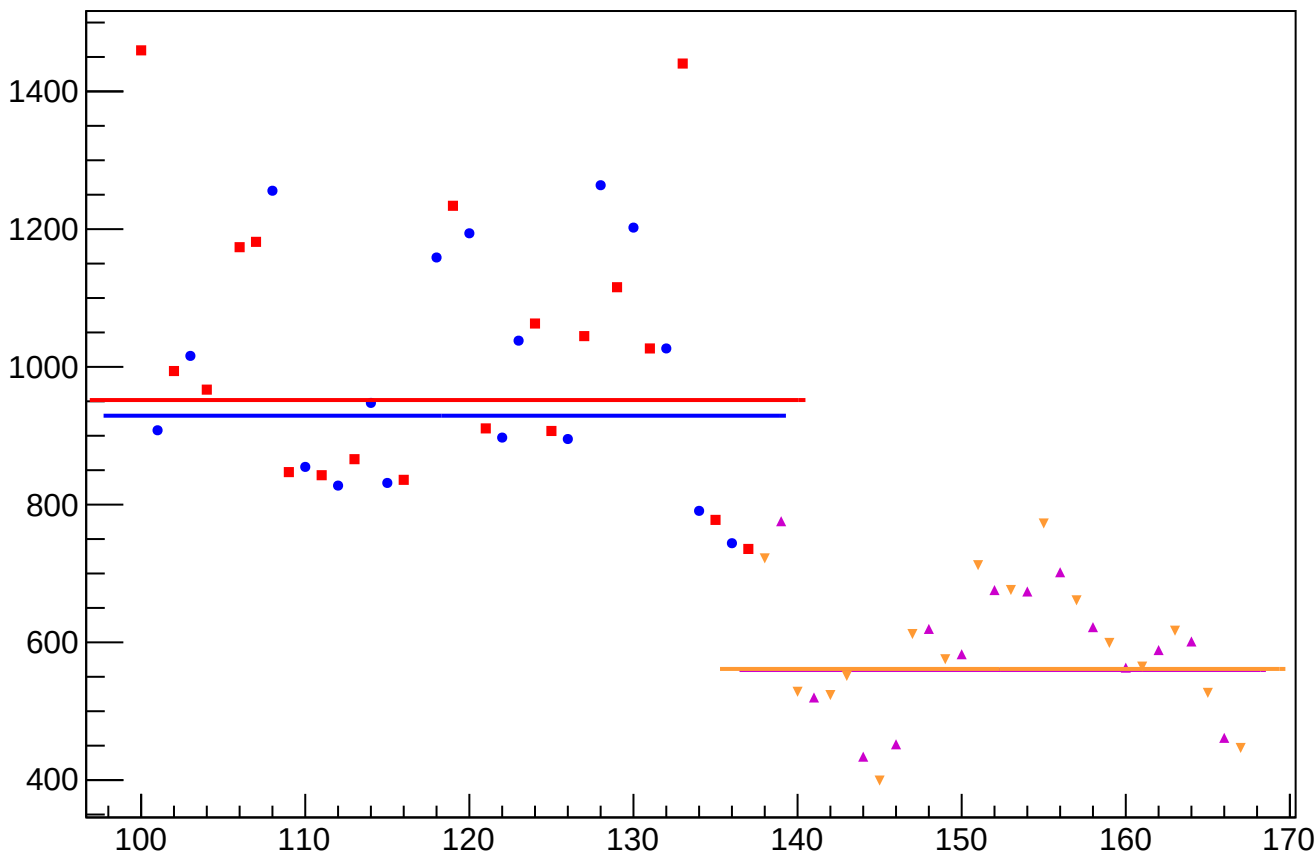
Right: -107.869+/-258.438 χ^2/NDF : 35.1/35

In: 51.593+/-156.219 χ^2/NDF : 34.2/30

Out: 832.824+/-150.621 χ^2/NDF : 56.0/34

All: 456.457+/-108.430 χ^2/NDF : 103.2/65

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: 559.840+/-0.122 χ^2/NDF : 607402.4/13

Left: 560.657+/-0.084 χ^2/NDF : 1347837.9/29

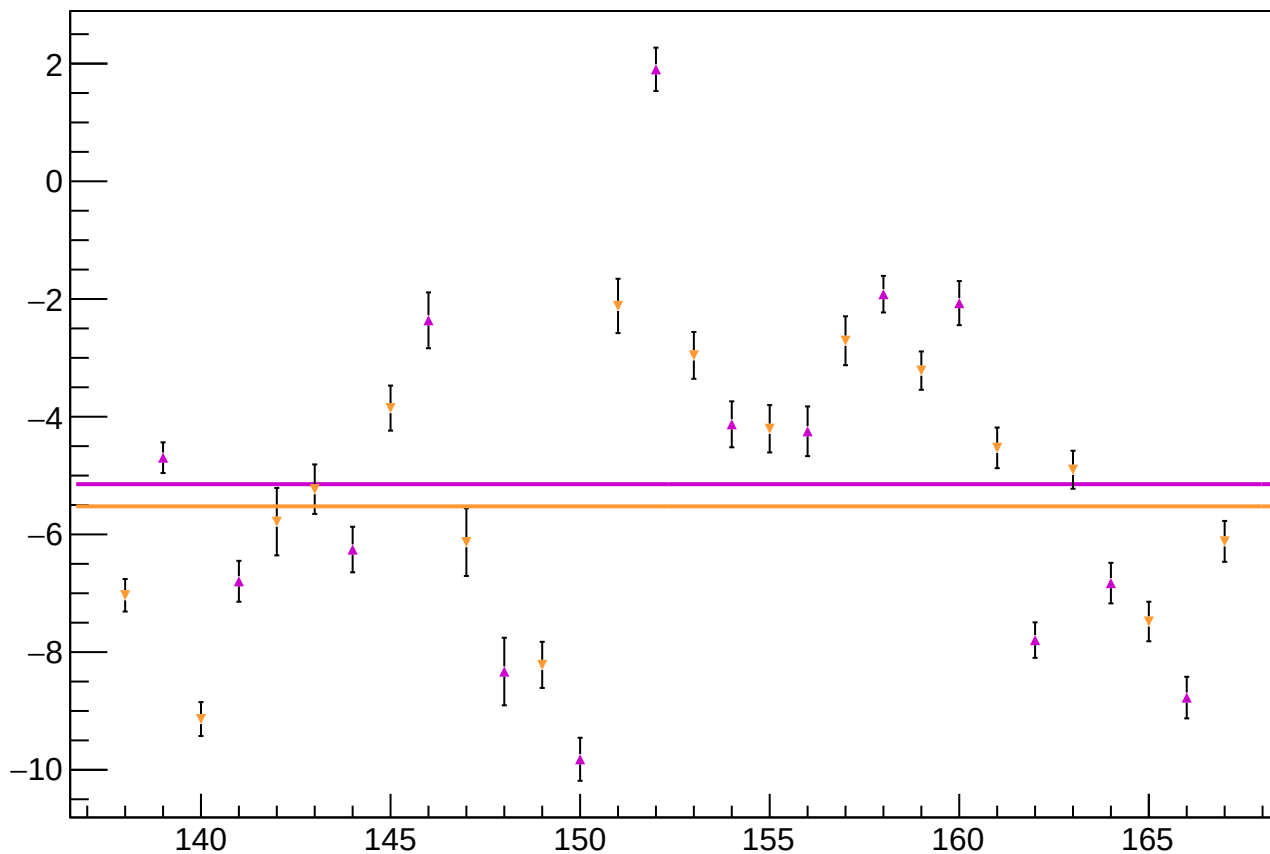
Right: 940.607+/-0.183 χ^2/NDF : 776385.5/35

In: 626.497+/-0.110 χ^2/NDF : 2650693.7/30

Out: 628.509+/-0.107 χ^2/NDF : 3035250.8/34

All: 627.540+/-0.077 χ^2/NDF : 5686116.4/65

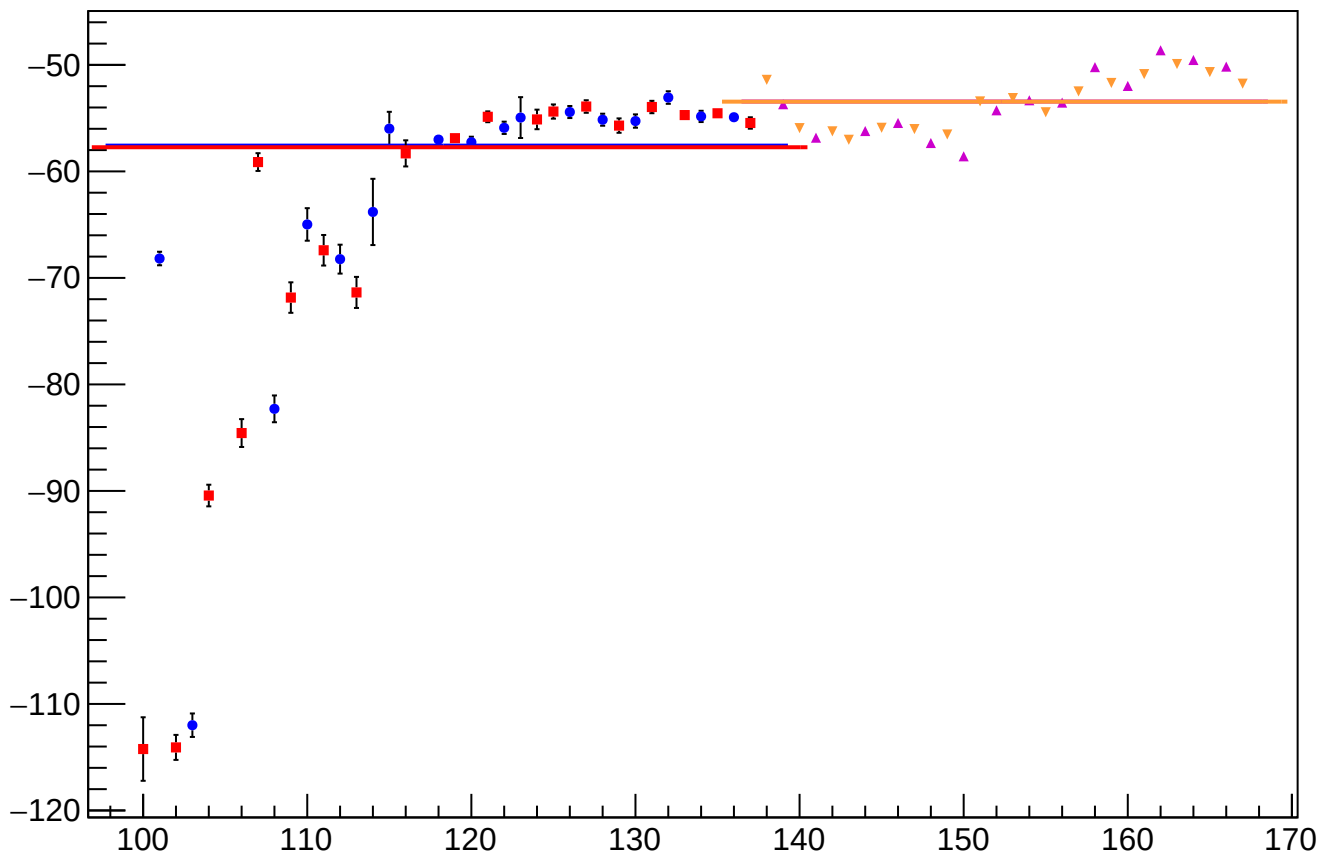
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.523+/-0.092 χ^2/NDF :506.6/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.146+/-0.096 χ^2/NDF :1021.1/13

Left: -5.342+/-0.066 χ^2/NDF : 1535.7/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -5.146+/-0.096 χ^2/NDF :1021.1/13
 Out: -5.523+/-0.092 χ^2/NDF :506.6/15
 All: -5.342+/-0.066 χ^2/NDF : 1535.7/29

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: -53.441 ± 0.073 χ^2/NDF : 1880.7/13

Left: -53.446 ± 0.050 χ^2/NDF : 3048.9/29

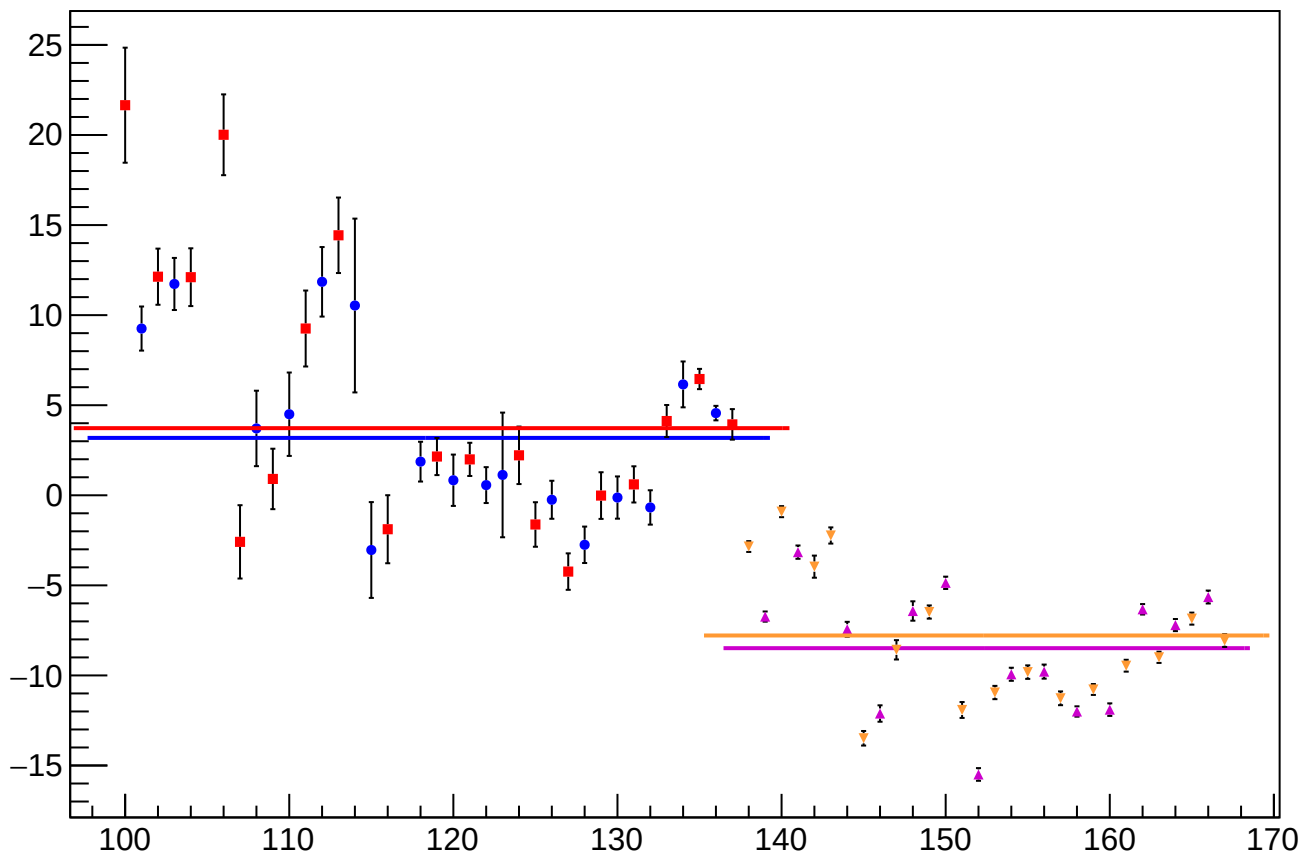
Right: -57.657 ± 0.101 χ^2/NDF : 8154.5/35

In: -54.299 ± 0.065 χ^2/NDF : 6000.2/30

Out: -54.262 ± 0.062 χ^2/NDF : 6593.4/34

All: -54.280 ± 0.045 χ^2/NDF : 12593.7/65

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: -8.487 ± 0.094 χ^2/NDF : 1243.8/13

Left: -8.125 ± 0.065 χ^2/NDF : 2872.0/29

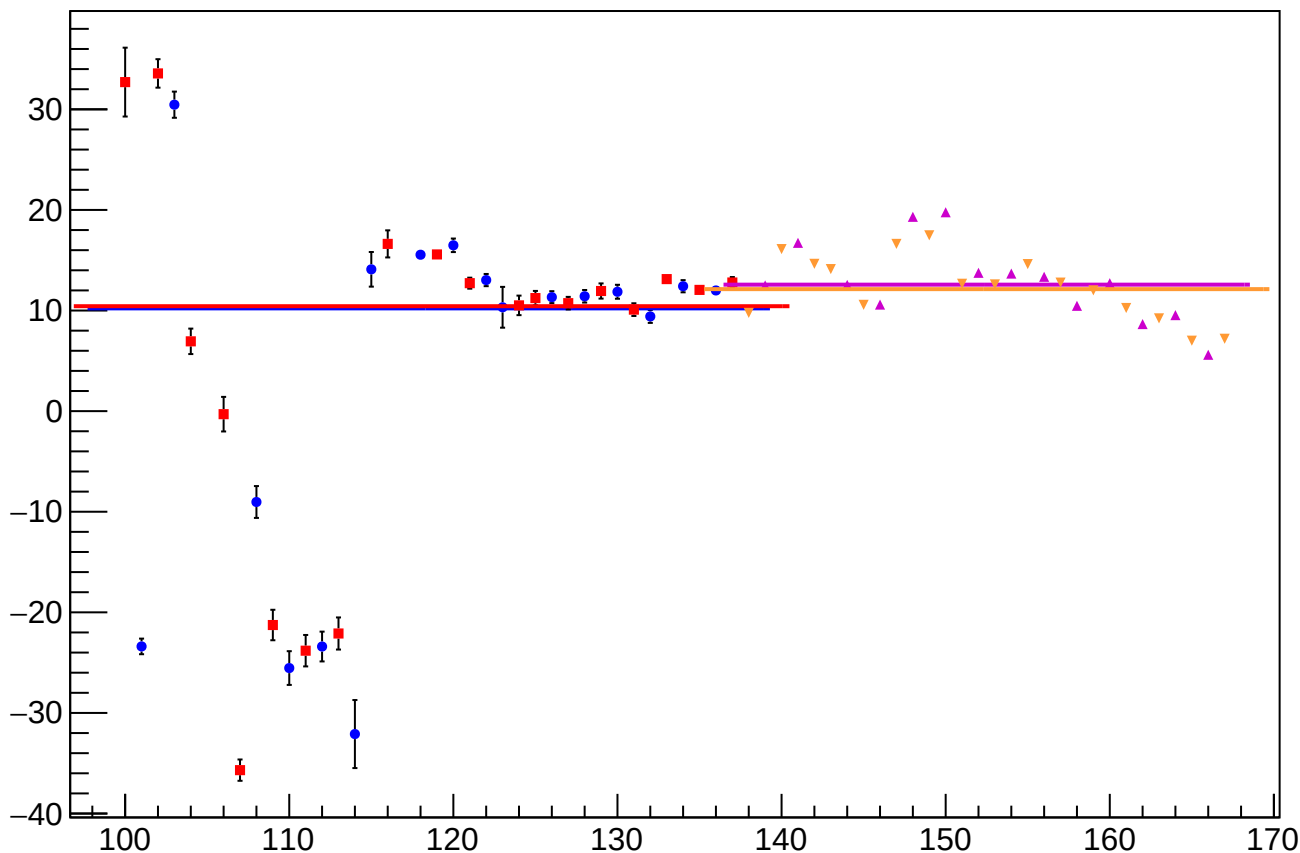
Right: 3.447 ± 0.186 χ^2/NDF : 512.0/35

In: -7.131 ± 0.088 χ^2/NDF : 3224.8/30

Out: -6.583 ± 0.086 χ^2/NDF : 3581.1/34

All: -6.851 ± 0.062 χ^2/NDF : 6825.5/65

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: 12.573 $\pm$ 0.082 χ^2 /NDF:2005.1/13

Left: 12.339 $\pm$ 0.057 χ^2 /NDF: 3530.3/29

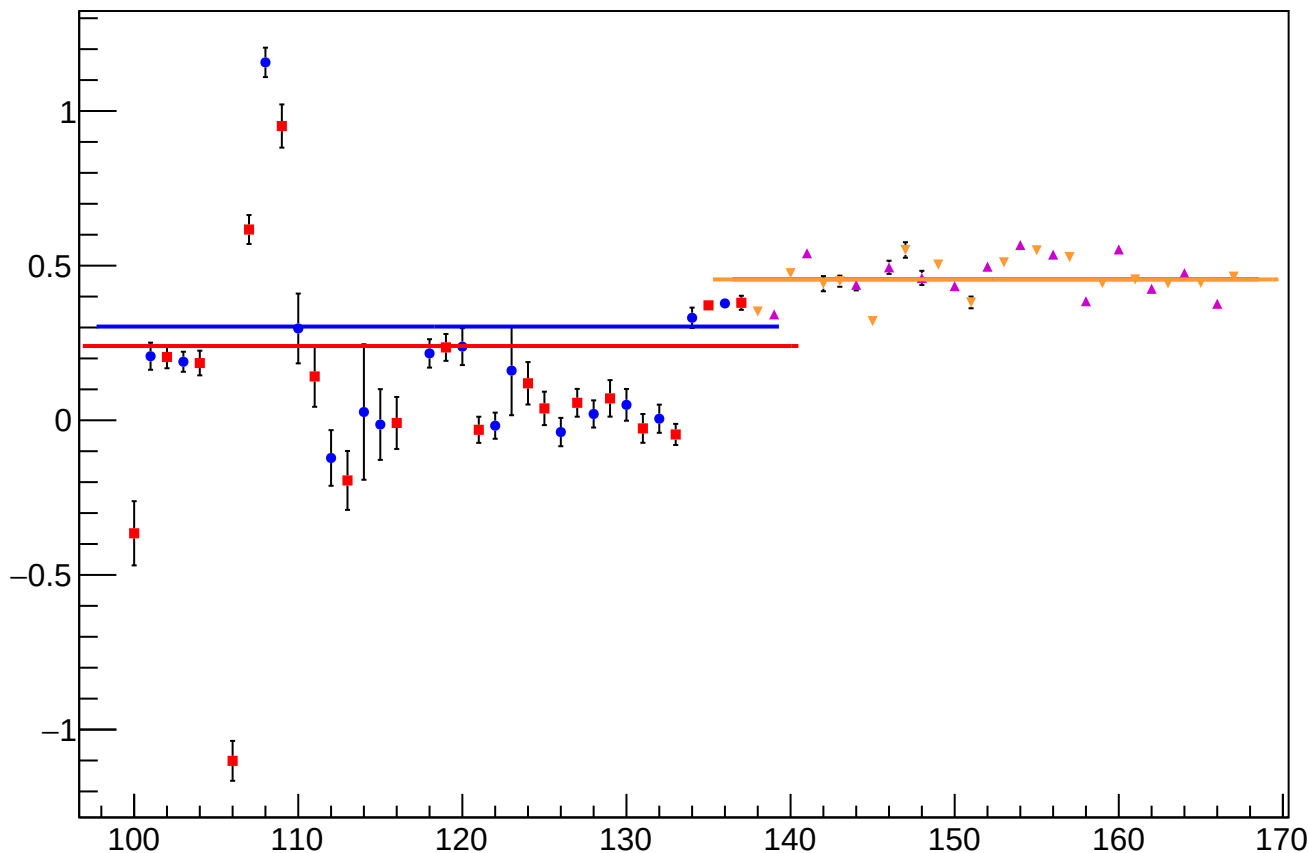
Right: 10.321 $\pm$ 0.112 χ^2 /NDF: 7520.5/35

In: 12.069 $\pm$ 0.073 χ^2 /NDF:5872.6/30

Out: 11.798 $\pm$ 0.071 χ^2 /NDF:5427.5/34

All: 11.929 $\pm$ 0.051 χ^2 /NDF: 11307.3/65

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: 0.456 $\pm$ 0.004 χ^2 /NDF:431.1/13

Left: 0.456 $\pm$ 0.003 χ^2 /NDF: 731.3/29

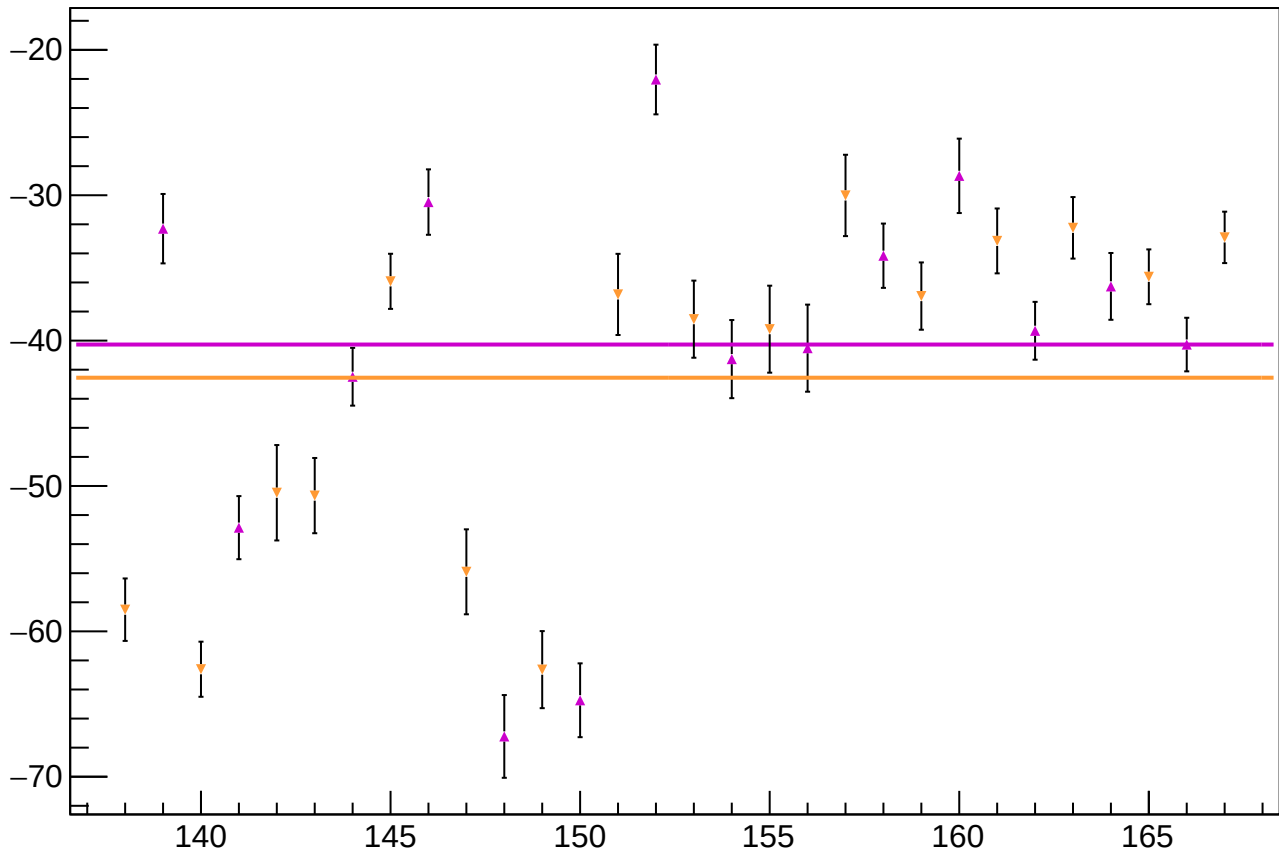
Right: 0.273 $\pm$ 0.006 χ^2 /NDF: 1658.9/35

In: 0.431 $\pm$ 0.003 χ^2 /NDF:1367.5/30

Out: 0.424 $\pm$ 0.003 χ^2 /NDF:1828.3/34

All: 0.427 $\pm$ 0.002 χ^2 /NDF: 3198.2/65

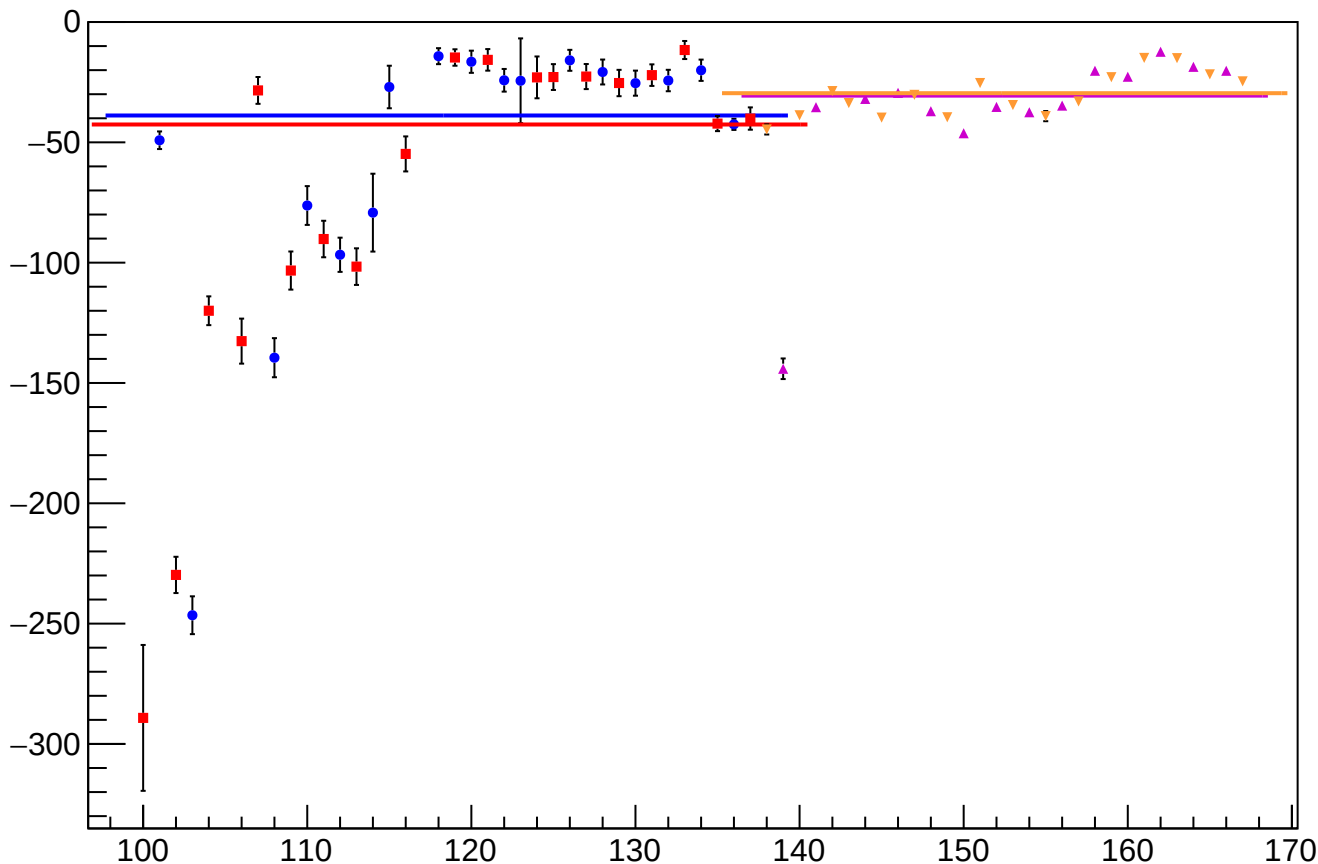
reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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: -40.270+/-0.616 χ^2/NDF :337.1/13

Left: -41.484+/-0.421 χ^2/NDF : 736.2/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -40.270+/-0.616 χ^2/NDF :337.1/13
 Out: -42.552+/-0.578 χ^2/NDF :391.8/15
 All: -41.484+/-0.421 χ^2/NDF : 736.2/29

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -29.575 ± 0.421 $\chi^2/\text{NDF}: 430.0/15$

Right Out: -42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

Left In: -30.587 ± 0.447 $\chi^2/\text{NDF}: 1121.8/13$

Left: -30.051 ± 0.306 $\chi^2/\text{NDF}: 1554.4/29$

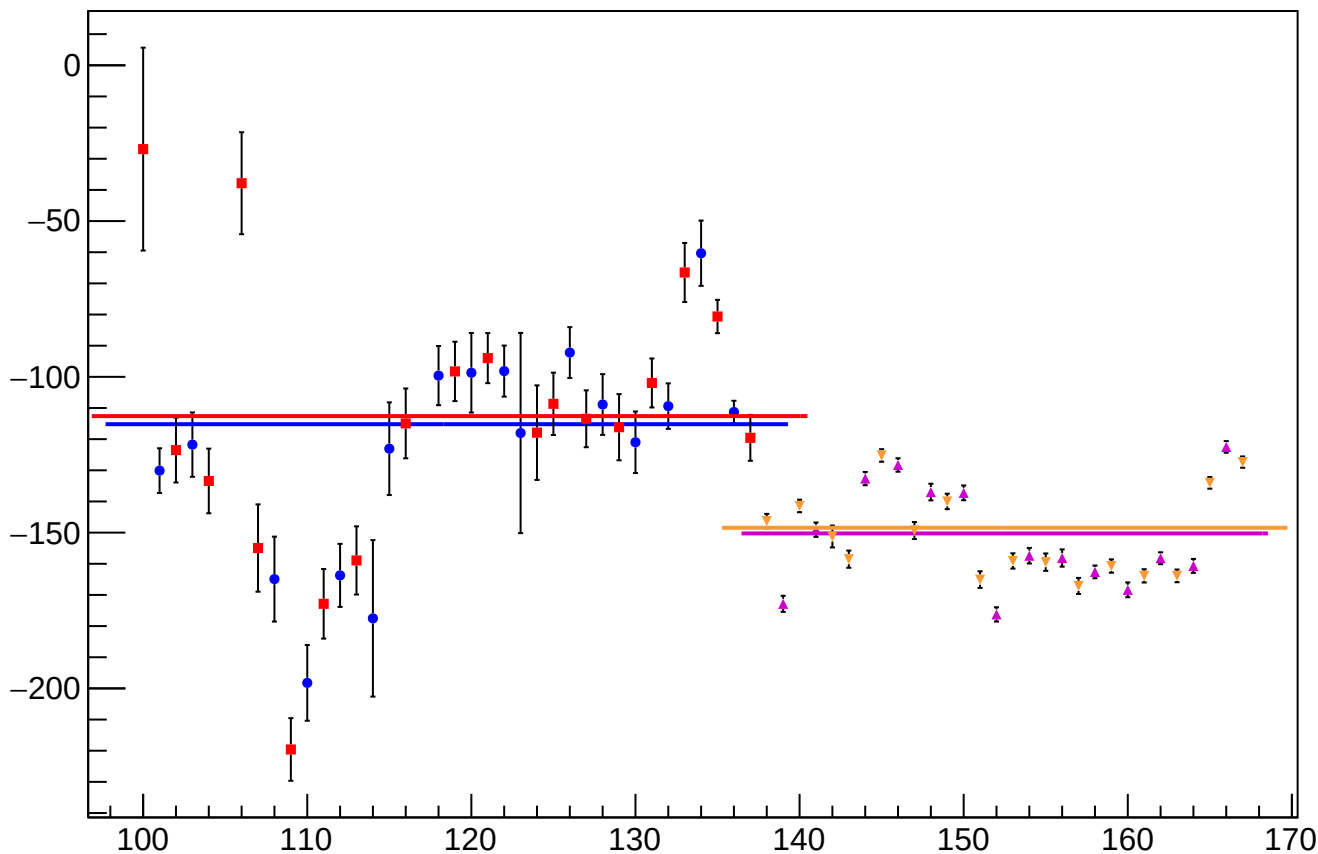
Right: -40.617 ± 0.833 $\chi^2/\text{NDF}: 2472.6/35$

In: -31.673 ± 0.416 $\chi^2/\text{NDF}: 2288.6/30$

Out: -30.978 ± 0.397 $\chi^2/\text{NDF}: 1878.8/34$

All: -31.309 ± 0.287 $\chi^2/\text{NDF}: 4168.8/65$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -148.446 ± 0.574 $\chi^2/\text{NDF}: 633.9/15$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

Left In: -150.252 ± 0.604 $\chi^2/\text{NDF}: 801.5/13$

Left: -149.304 ± 0.416 $\chi^2/\text{NDF}: 1440.1/29$

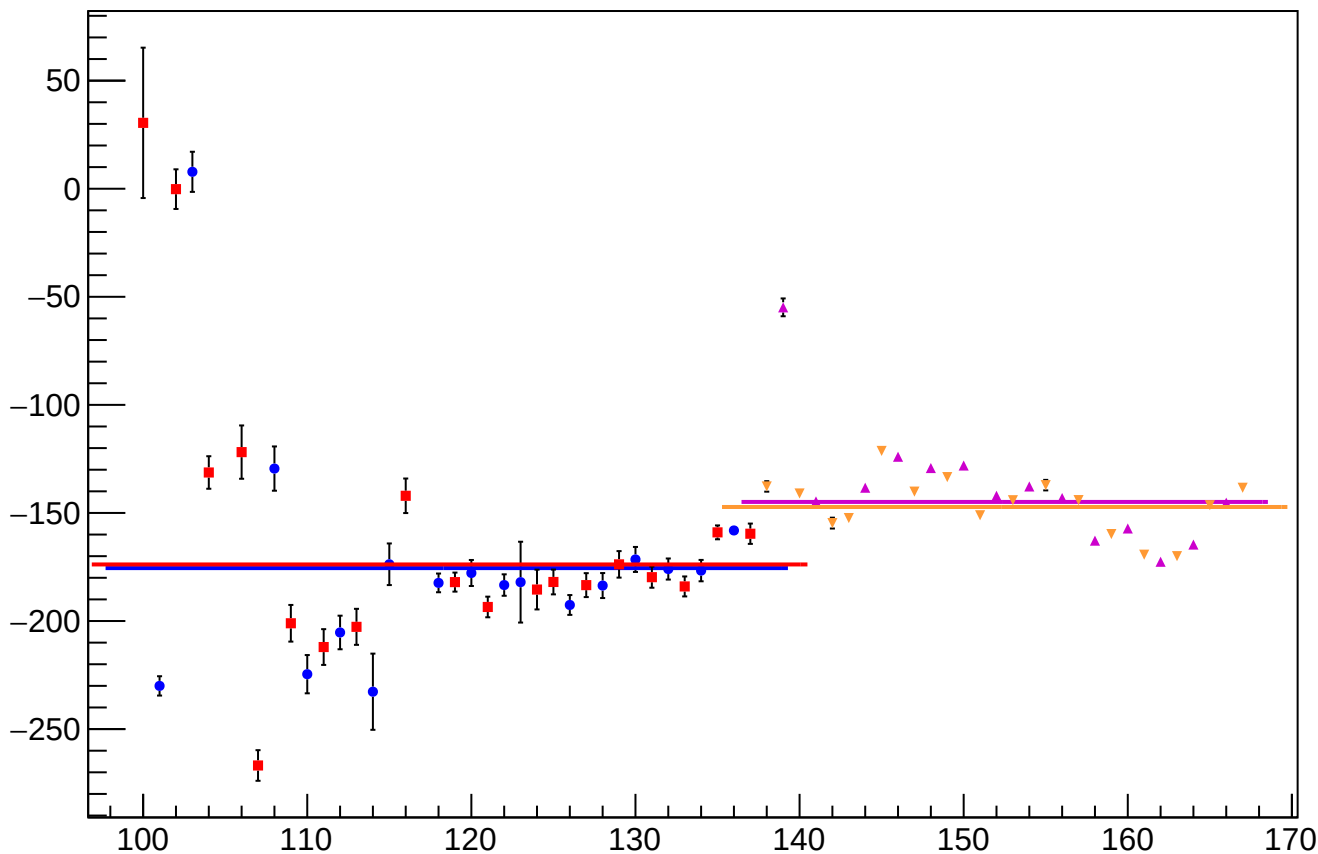
Right: -113.982 ± 1.515 $\chi^2/\text{NDF}: 413.9/35$

In: -147.533 ± 0.580 $\chi^2/\text{NDF}: 1203.9/30$

Out: -146.181 ± 0.555 $\chi^2/\text{NDF}: 1152.7/34$

All: -146.828 ± 0.401 $\chi^2/\text{NDF}: 2359.5/65$

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: -144.904 ± 0.514 χ^2/NDF : 1330.9/13

Left: -146.143 ± 0.353 χ^2/NDF : 2124.3/29

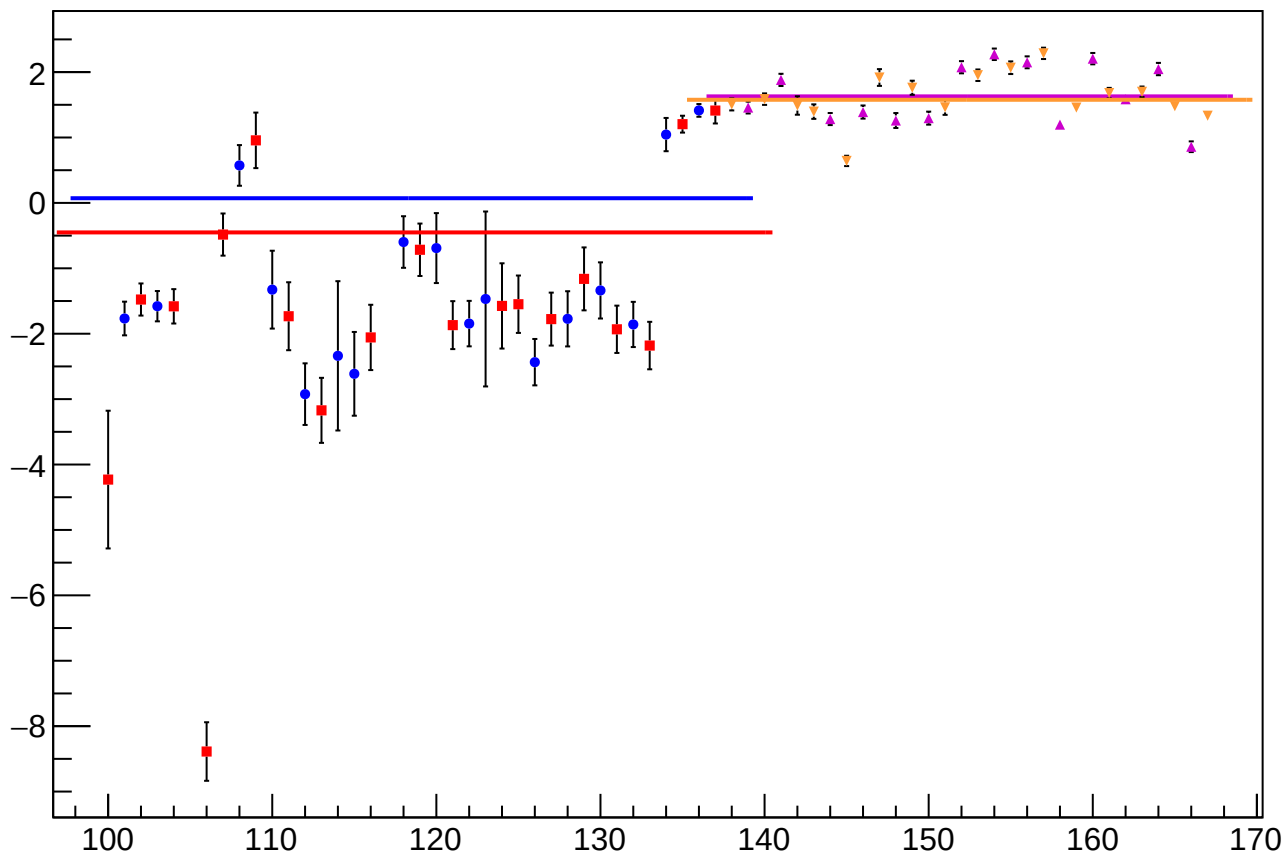
Right: -174.726 ± 0.930 χ^2/NDF : 1431.0/35

In: -149.172 ± 0.477 χ^2/NDF : 2517.8/30

Out: -150.251 ± 0.456 χ^2/NDF : 1861.0/34

All: -149.735 ± 0.330 χ^2/NDF : 4381.4/65

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.577 ± 0.023 χ^2/NDF : 284.0/15

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

Left In: 1.629 ± 0.024 χ^2/NDF : 348.6/13

Left: 1.601 ± 0.016 χ^2/NDF : 635.1/29

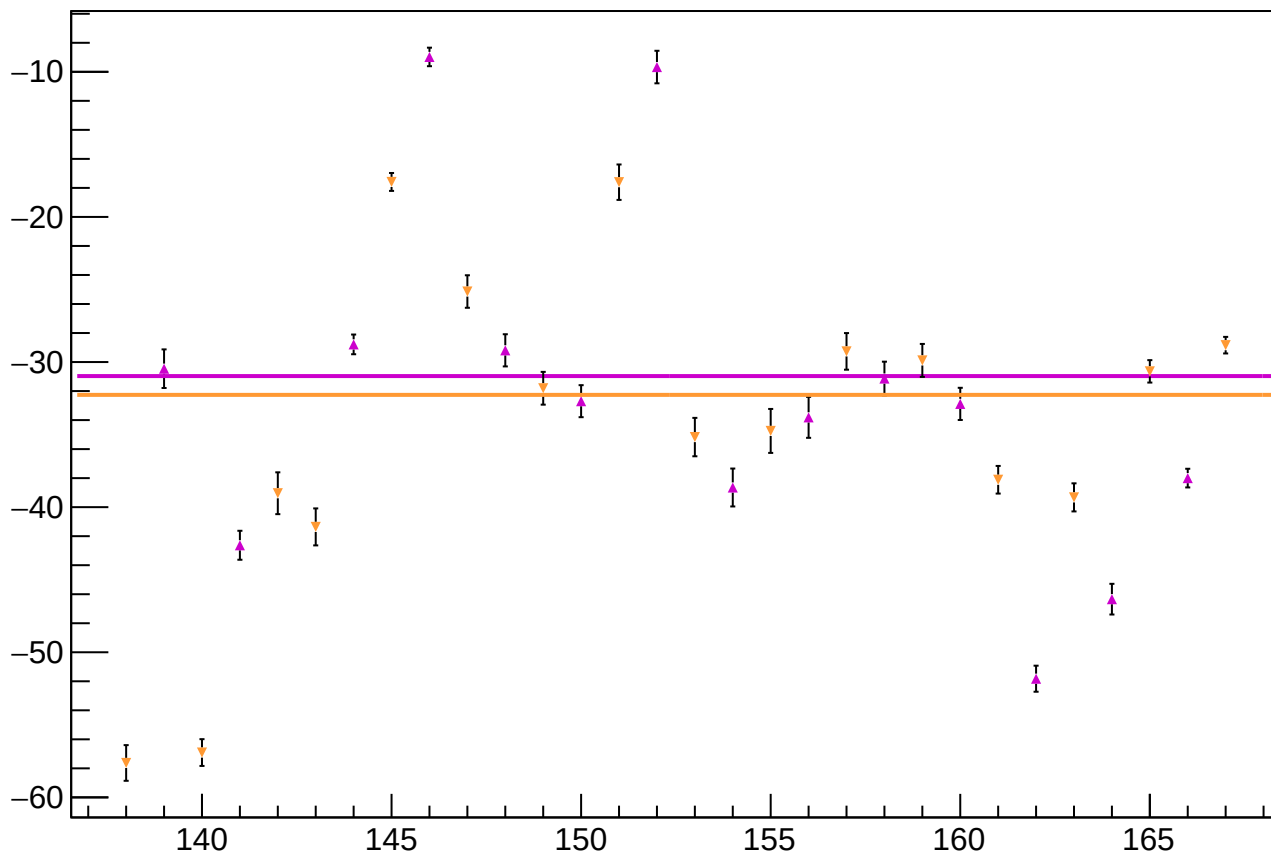
Right: -0.174 ± 0.049 χ^2/NDF : 1305.0/35

In: 1.454 ± 0.023 χ^2/NDF : 1351.2/30

Out: 1.392 ± 0.022 χ^2/NDF : 1770.1/34

All: 1.422 ± 0.016 χ^2/NDF : 3125.1/65

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.262+/-0.242 χ^2/NDF :2111.5/15

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

Left In: -30.967+/-0.251 χ^2/NDF :2611.2/13

Left: -31.641+/-0.174 χ^2/NDF : 4736.4/29

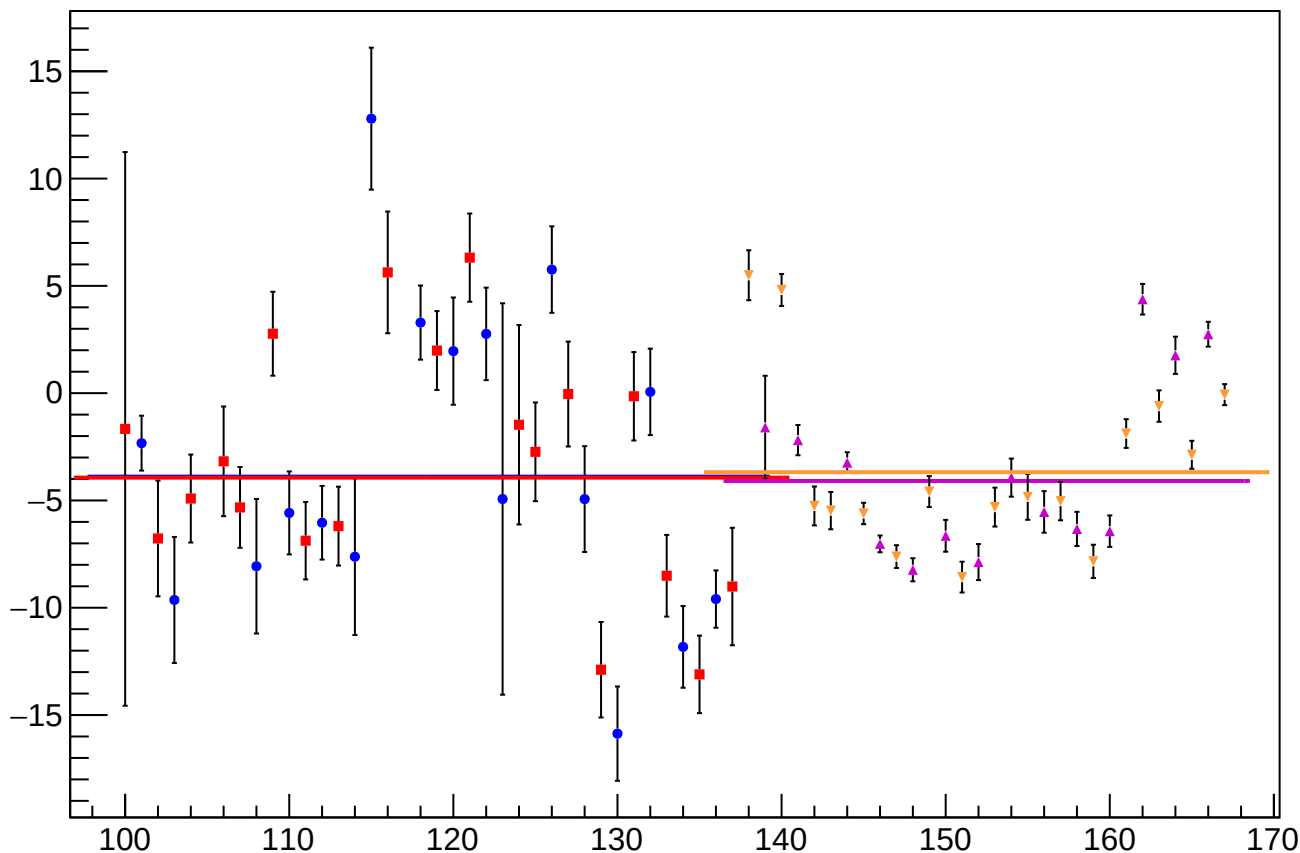
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.967+/-0.251 χ^2/NDF :2611.2/13

Out: -32.262+/-0.242 χ^2/NDF :2111.5/15

All: -31.641+/-0.174 χ^2/NDF : 4736.4/29

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: -4.092 ± 0.178 χ^2/NDF : 505.1/13

Left: -3.886 ± 0.125 χ^2/NDF : 941.4/29

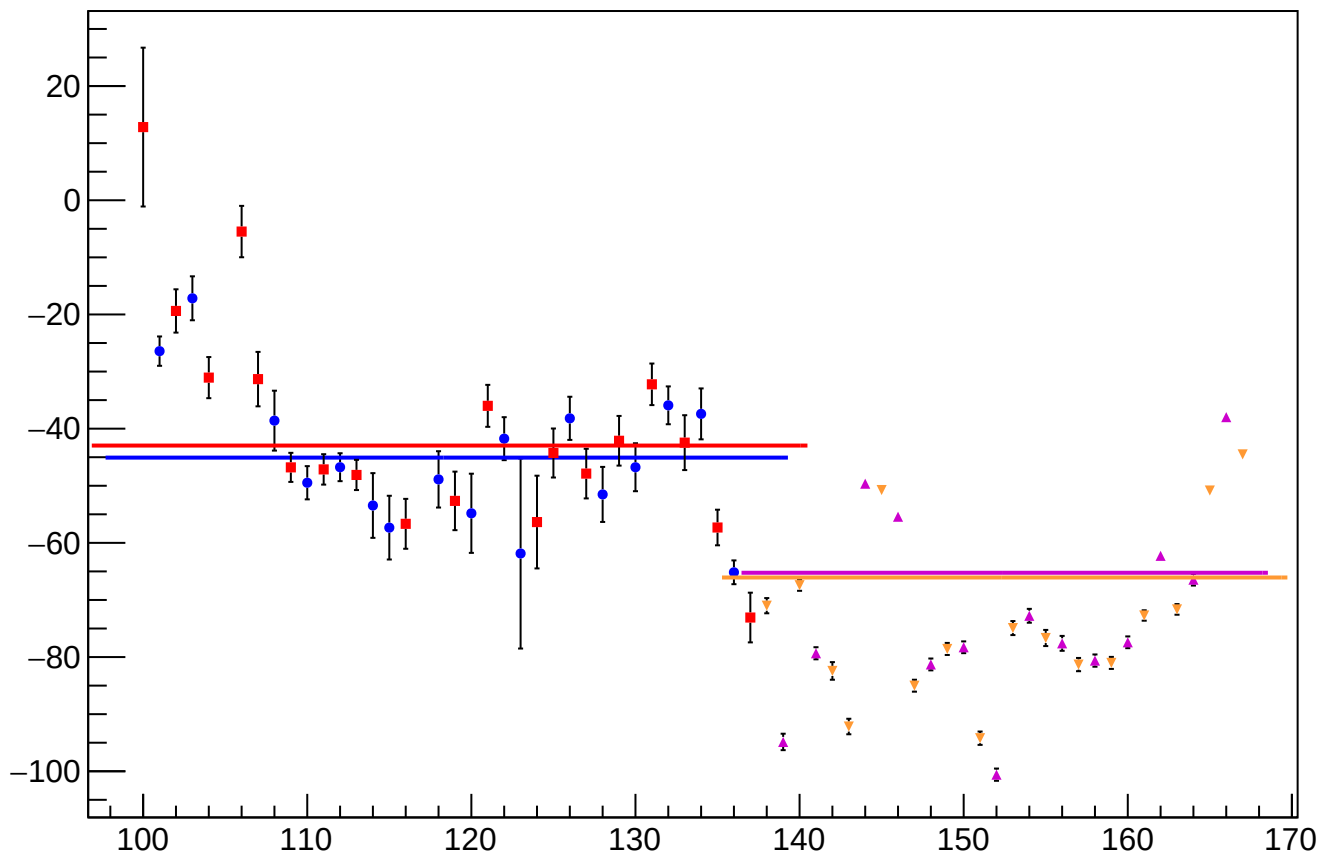
Right: -3.913 ± 0.355 χ^2/NDF : 282.6/35

In: -4.069 ± 0.167 χ^2/NDF : 665.7/30

Out: -3.710 ± 0.167 χ^2/NDF : 556.0/34

All: -3.889 ± 0.118 χ^2/NDF : 1224.1/65

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -66.066 ± 0.241 χ^2/NDF : 4417.7/15

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

Left In: -65.236 ± 0.247 χ^2/NDF : 5017.7/13

Left: -65.662 ± 0.173 χ^2/NDF : 9441.1/29

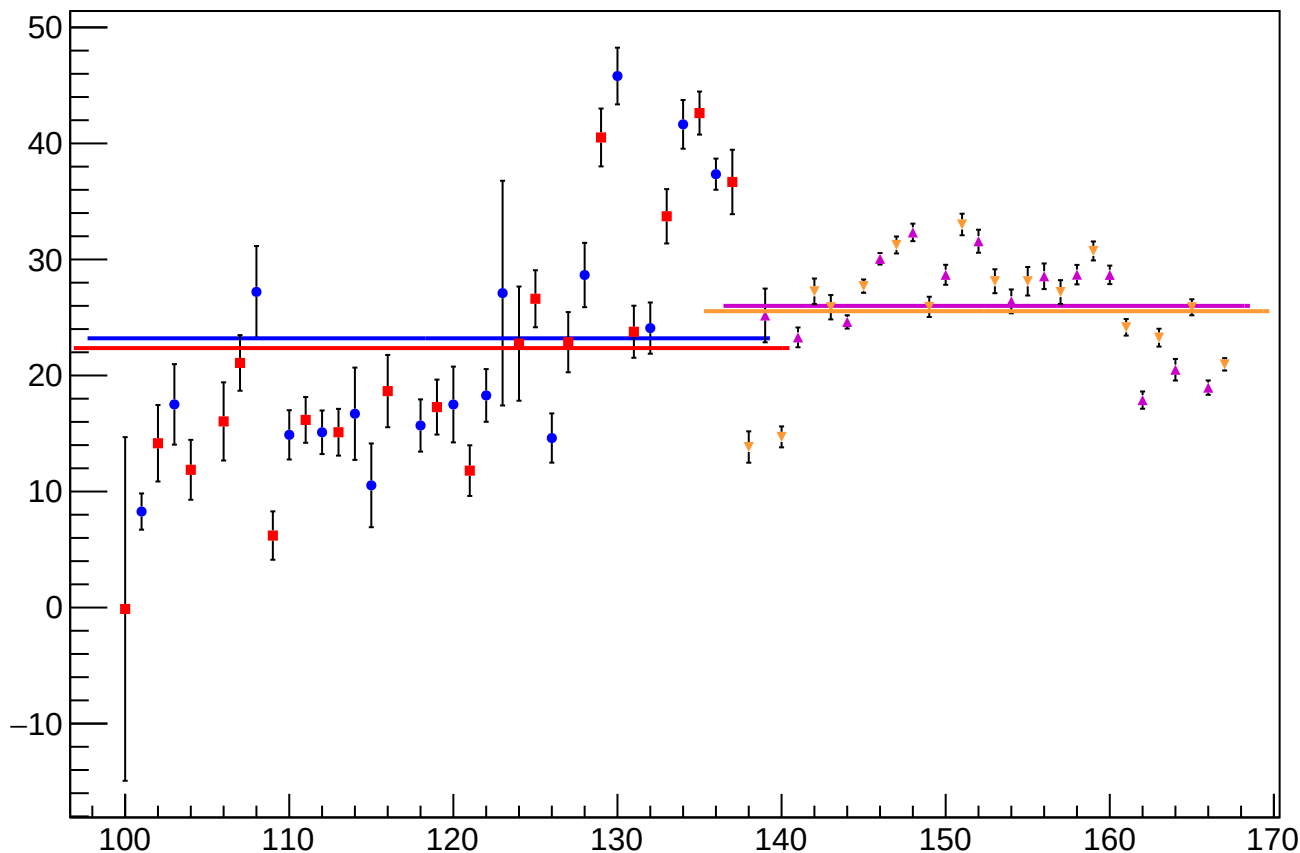
Right: -44.008 ± 0.623 χ^2/NDF : 480.9/35

In: -63.768 ± 0.238 χ^2/NDF : 5730.6/30

Out: -64.447 ± 0.232 χ^2/NDF : 5310.3/34

All: -64.116 ± 0.166 χ^2/NDF : 11045.1/65

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: 25.999 $\pm$ 0.208 χ^2 /NDF: 505.2/13

Left: 25.765 $\pm$ 0.145 χ^2 /NDF: 1008.7/29

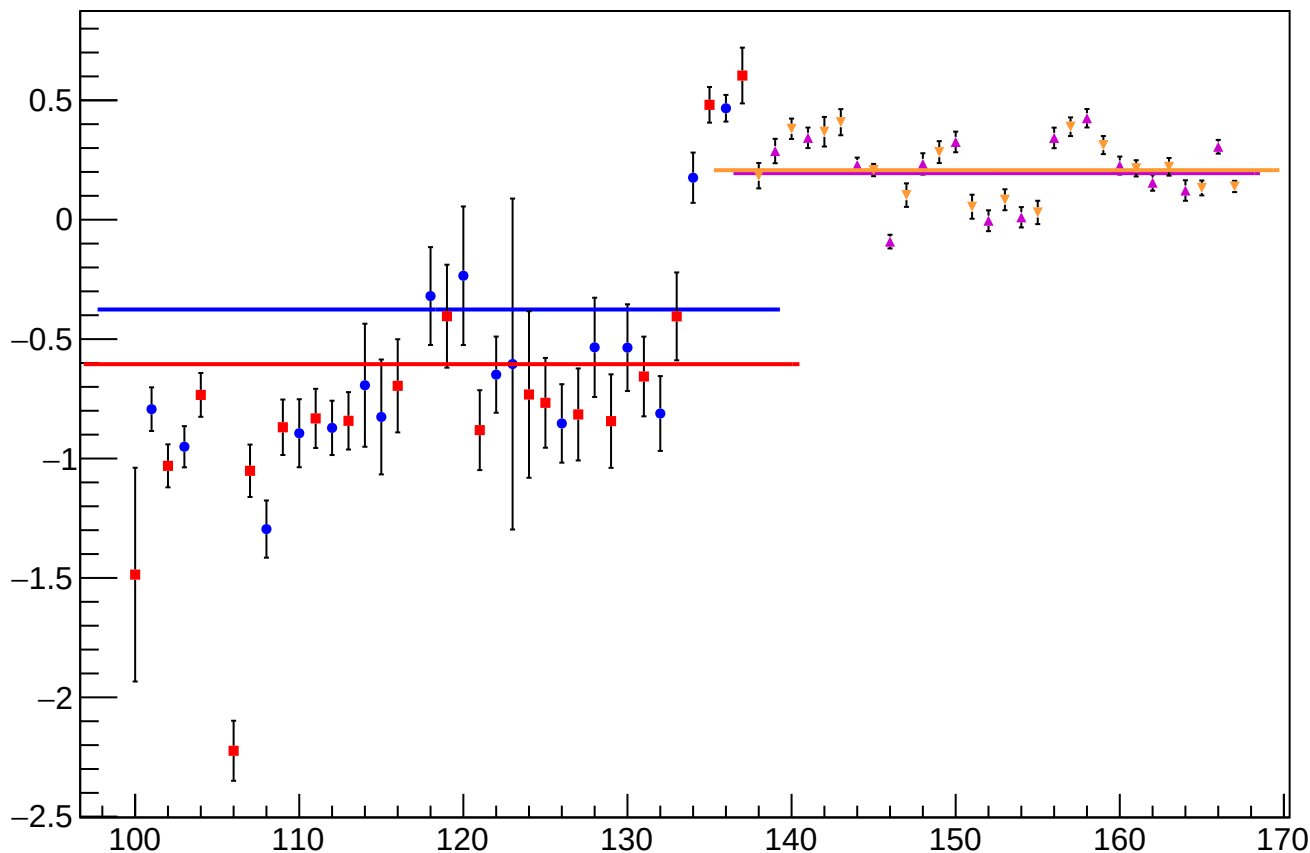
Right: 22.793 $\pm$ 0.400 χ^2 /NDF: 825.2/35

In: 25.659 $\pm$ 0.195 χ^2 /NDF: 984.4/30

Out: 25.184 $\pm$ 0.192 χ^2 /NDF: 895.3/34

All: 25.418 $\pm$ 0.137 χ^2 /NDF: 1882.8/65

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.207 ± 0.010 $\chi^2/\text{NDF}: 117.9/15$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

Left In: 0.195 ± 0.010 $\chi^2/\text{NDF}: 232.8/13$

Left: 0.202 ± 0.007 $\chi^2/\text{NDF}: 351.5/29$

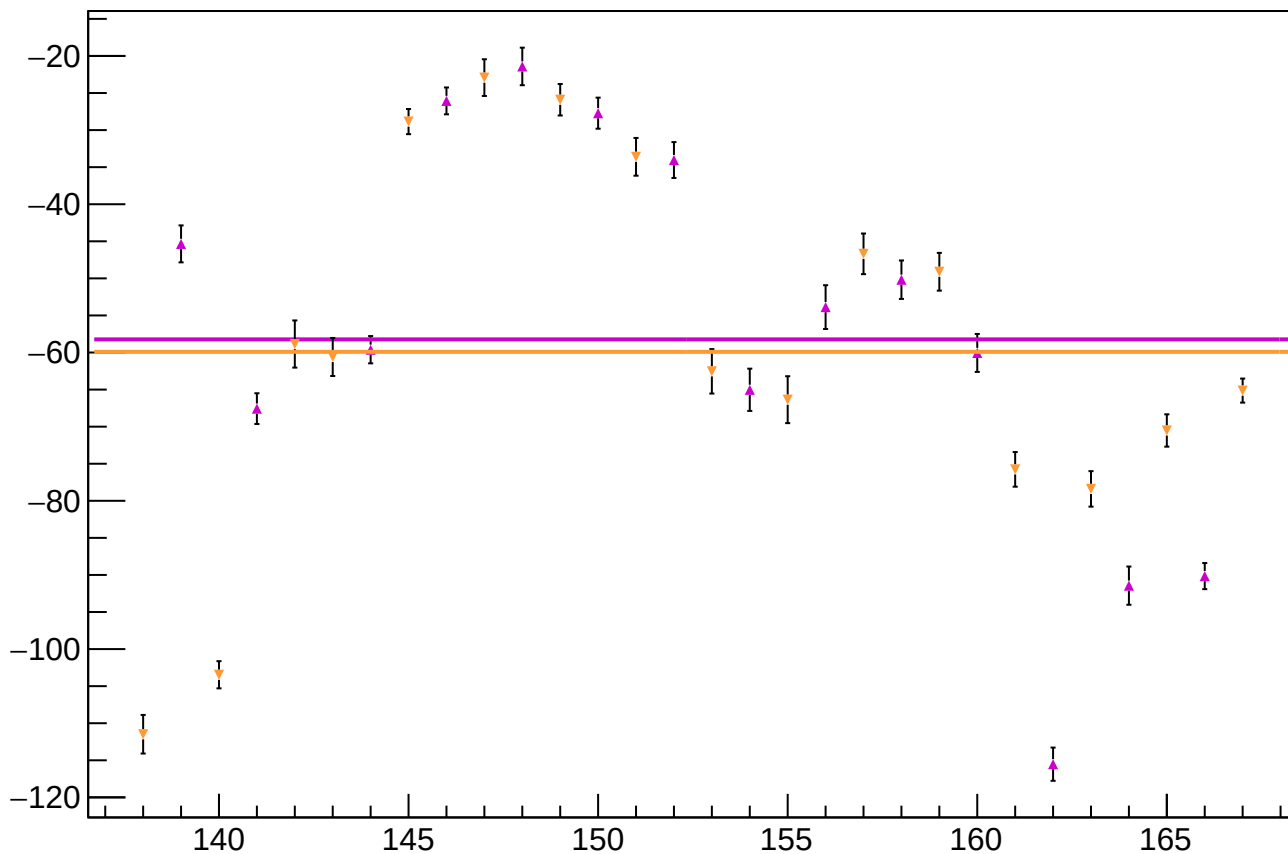
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.2/35$

In: 0.137 ± 0.010 $\chi^2/\text{NDF}: 993.2/30$

Out: 0.134 ± 0.009 $\chi^2/\text{NDF}: 1325.9/34$

All: 0.136 ± 0.007 $\chi^2/\text{NDF}: 2319.3/65$

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: -58.227+/-0.602 χ^2/NDF :2053.9/13

Left: -59.107+/-0.416 χ^2/NDF : 4122.5/29

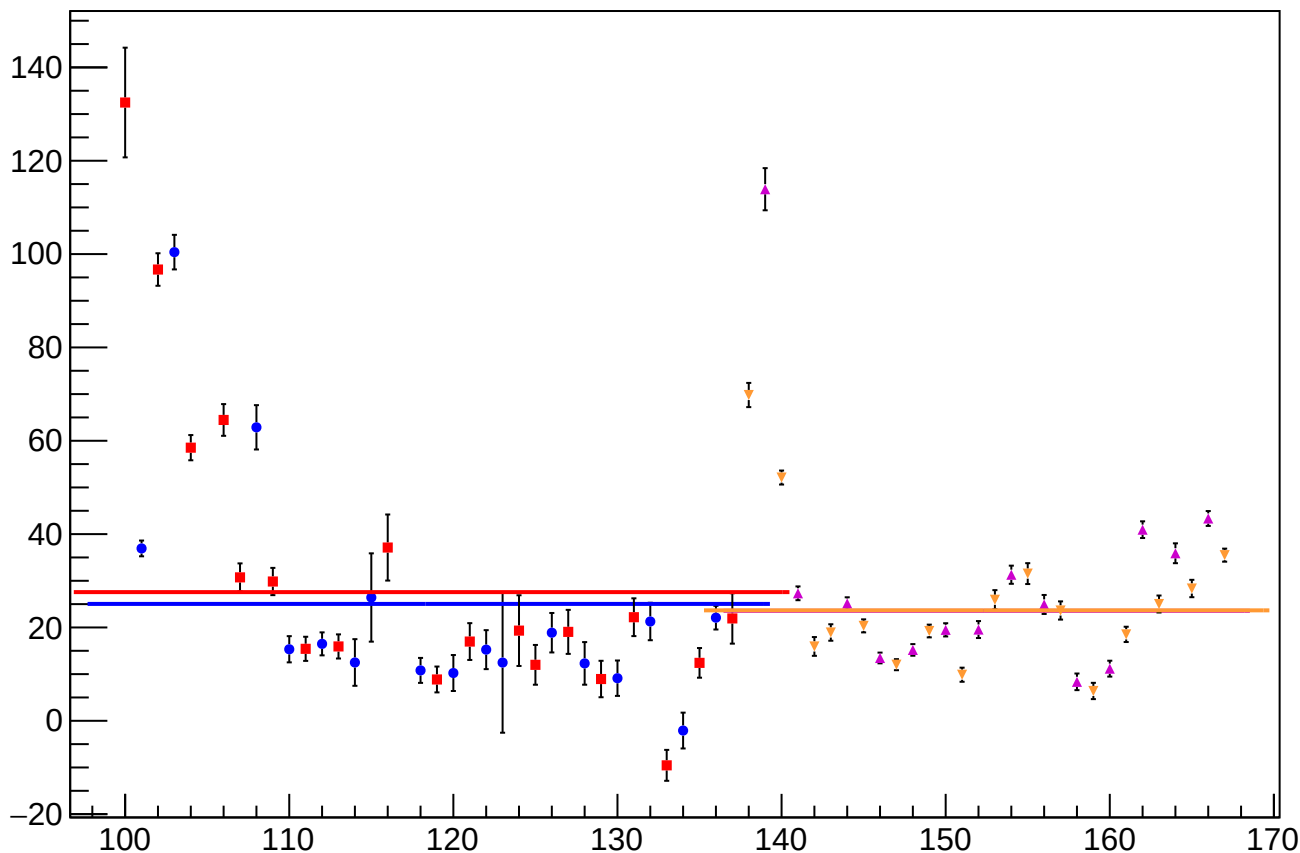
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -58.227+/-0.602 χ^2/NDF :2053.9/13

Out: -59.908+/-0.575 χ^2/NDF :2064.5/15

All: -59.107+/-0.416 χ^2/NDF : 4122.5/29

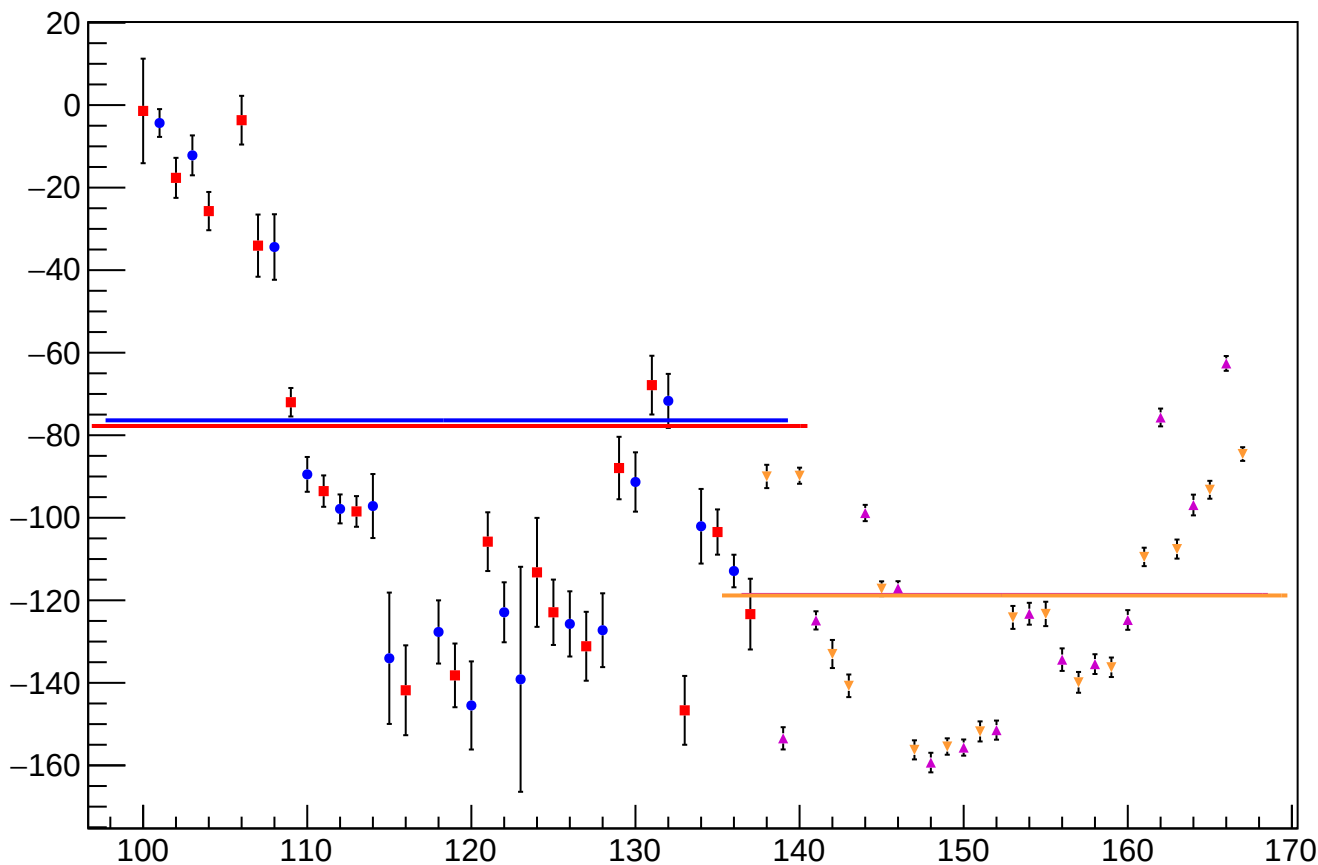
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16
 Left Out: 23.666 ± 0.413 χ^2/NDF : 1095.1/15
 Right Out: 27.573 ± 0.810 χ^2/NDF : 1012.8/18
 Left In: 23.565 ± 0.431 χ^2/NDF : 967.8/13

Left: 23.618 ± 0.298 χ^2/NDF : 2062.9/29
 Right: 26.303 ± 0.571 χ^2/NDF : 1704.1/35
 In: 23.894 ± 0.380 χ^2/NDF : 1656.8/30
 Out: 24.472 ± 0.368 χ^2/NDF : 2126.3/34
 All: 24.193 ± 0.264 χ^2/NDF : 3784.3/65

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: -118.696 ± 0.591 $\chi^2/\text{NDF}: 2667.5/13$

Left: -118.764 ± 0.410 $\chi^2/\text{NDF}: 4596.1/29$

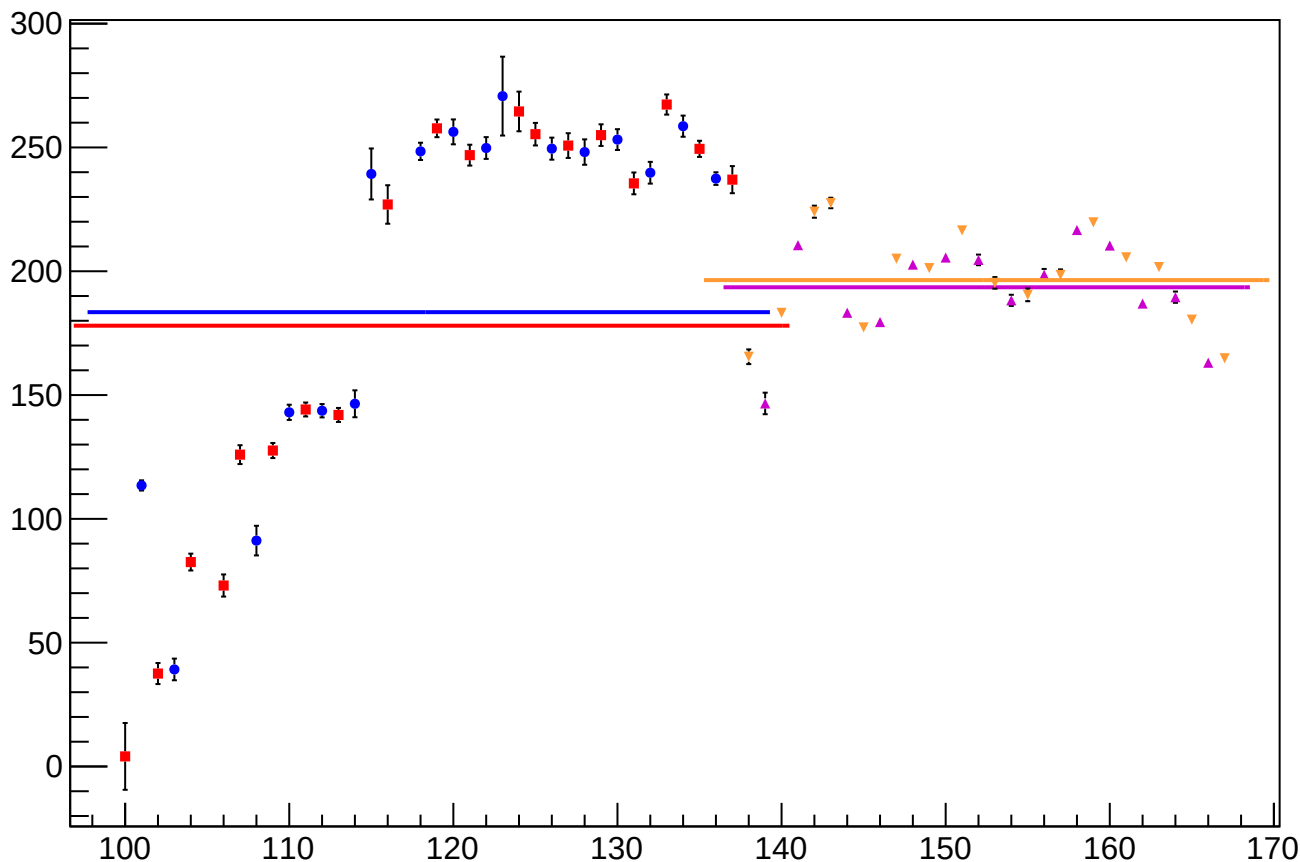
Right: -77.108 ± 0.978 $\chi^2/\text{NDF}: 1905.1/35$

In: -112.429 ± 0.545 $\chi^2/\text{NDF}: 4459.6/30$

Out: -112.626 ± 0.526 $\chi^2/\text{NDF}: 3583.5/34$

All: -112.531 ± 0.378 $\chi^2/\text{NDF}: 8043.1/65$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 ± 0.919 χ^2/NDF : 5331.4/16

Left Out: 196.422 ± 0.481 χ^2/NDF : 1490.2/15

Right Out: 178.011 ± 0.924 χ^2/NDF : 6345.7/18

Left In: 193.527 ± 0.501 χ^2/NDF : 1034.8/13

Left: 195.036 ± 0.347 χ^2/NDF : 2542.4/29

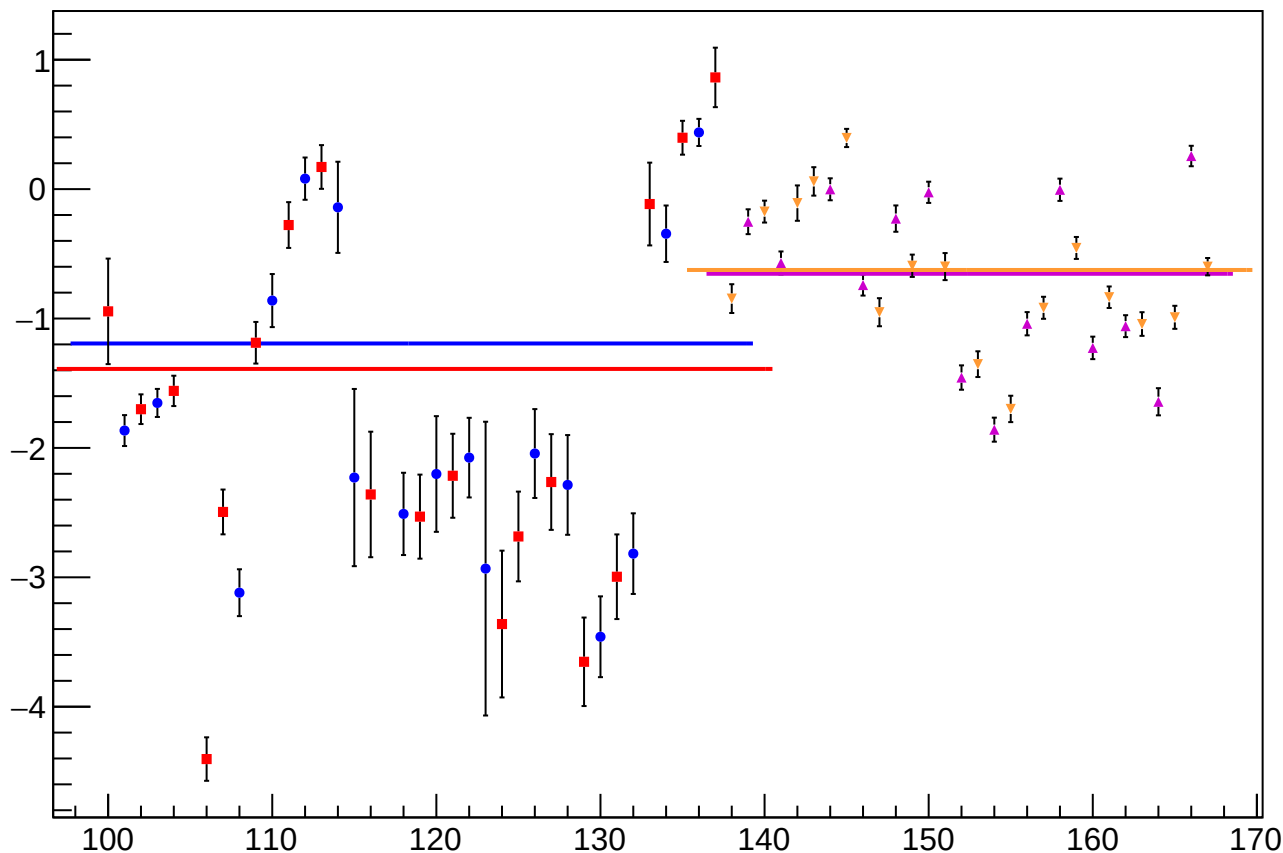
Right: 180.761 ± 0.651 χ^2/NDF : 11694.8/35

In: 191.220 ± 0.440 χ^2/NDF : 6458.4/30

Out: 192.503 ± 0.426 χ^2/NDF : 8148.5/34

All: 191.882 ± 0.306 χ^2/NDF : 14611.3/65

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: -0.654±/0.024 χ^2/NDF :759.1/13

Left: -0.639±/0.016 χ^2/NDF : 1289.7/29

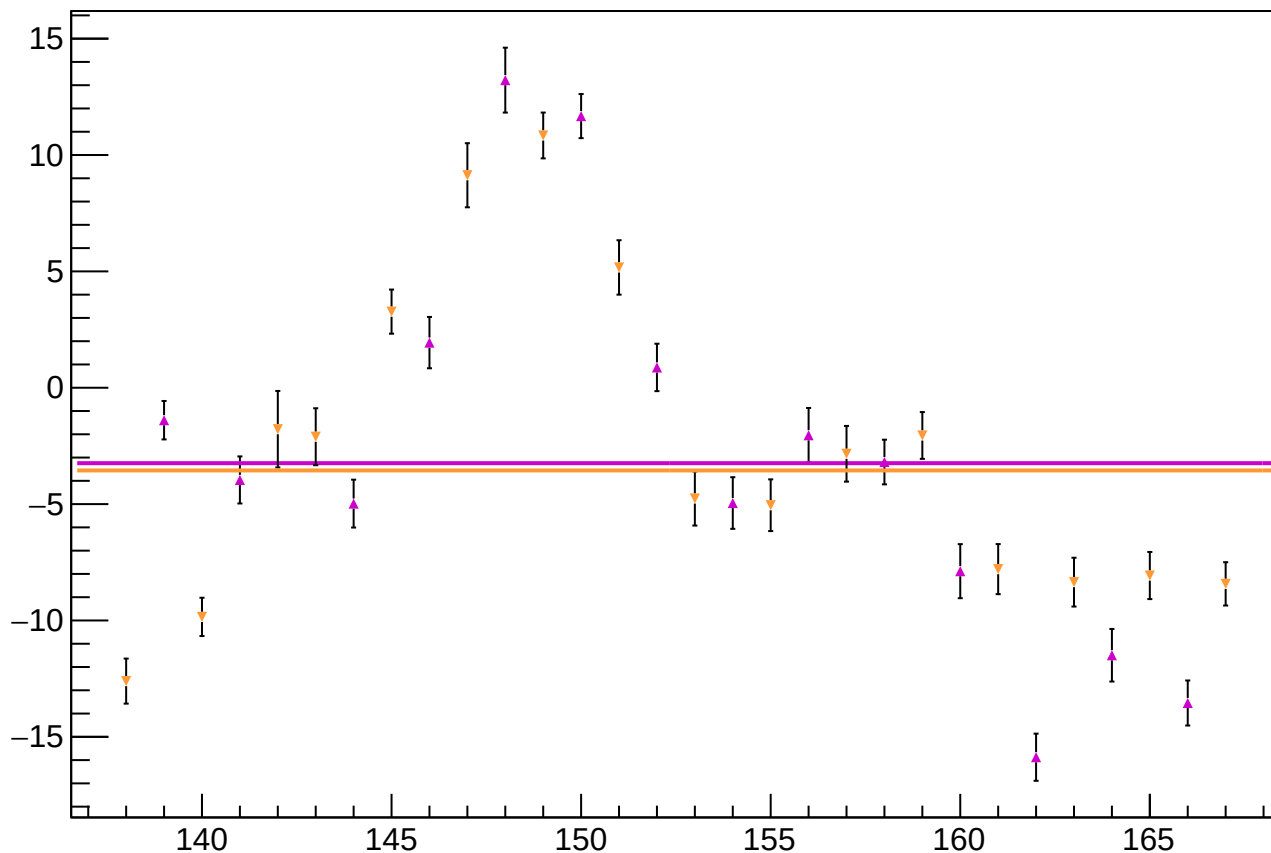
Right: -1.296±/0.033 χ^2/NDF : 1551.0/35

In: -0.759±/0.021 χ^2/NDF :1481.4/30

Out: -0.774±/0.020 χ^2/NDF :1674.3/34

All: -0.767±/0.015 χ^2/NDF : 3156.0/65

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: -3.242 $\pm$ 0.277 χ^2 /NDF:775.5/13

Left: -3.404 $\pm$ 0.192 χ^2 /NDF: 1420.0/29

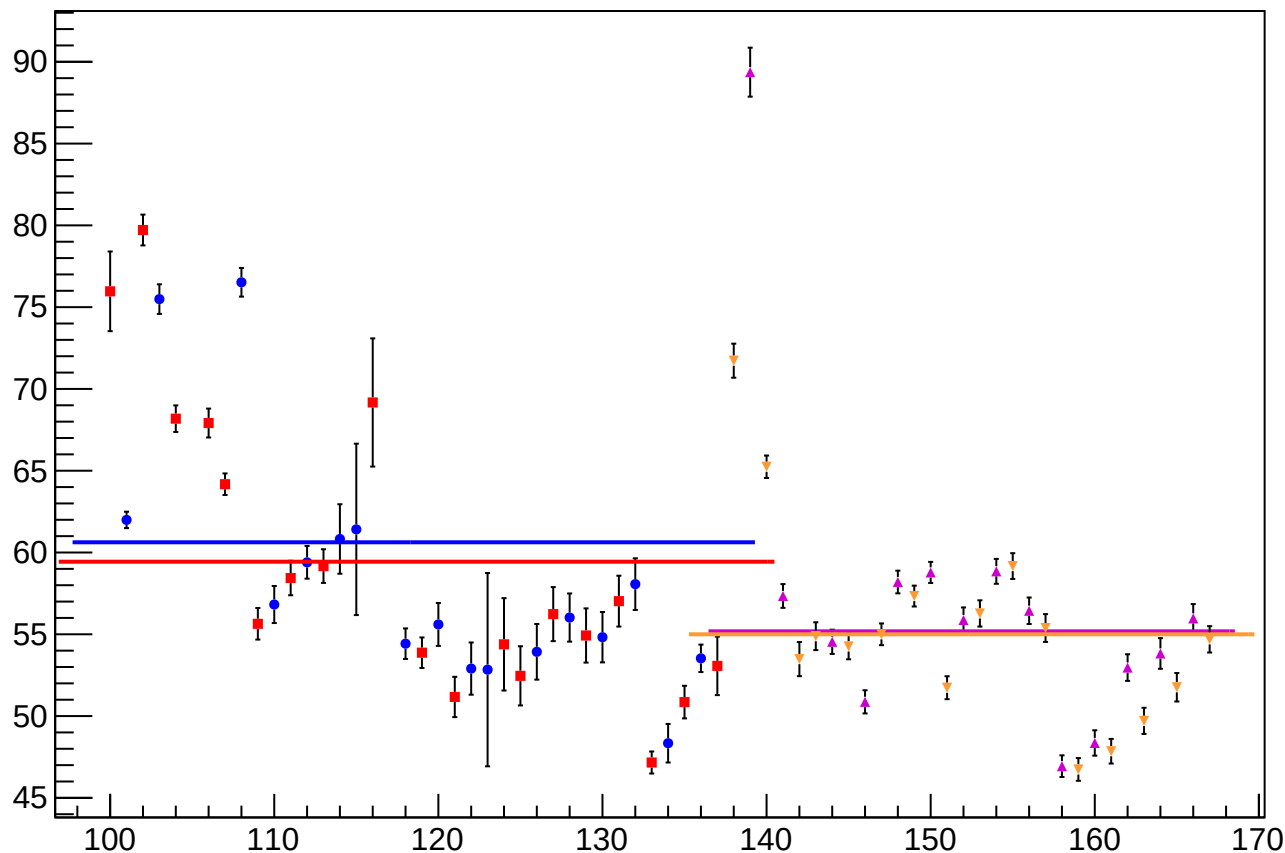
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -3.242 $\pm$ 0.277 χ^2 /NDF:775.5/13

Out: -3.553 $\pm$ 0.266 χ^2 /NDF:643.9/15

All: -3.404 $\pm$ 0.192 χ^2 /NDF: 1420.0/29

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: 55.181 $\pm$ 0.206 χ^2/NDF : 886.5/13

Left: 55.084 $\pm$ 0.141 χ^2/NDF : 1726.4/29

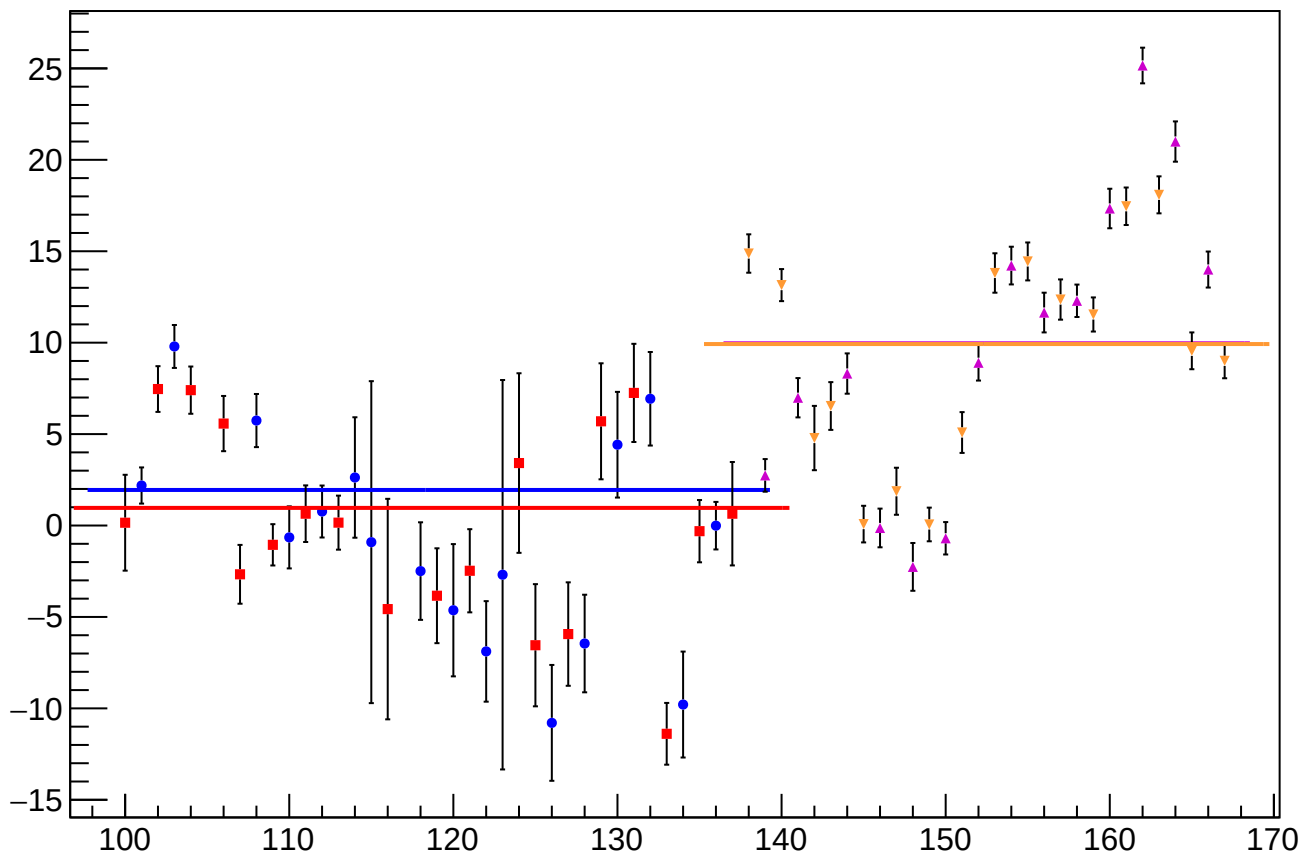
Right: 59.996 $\pm$ 0.180 χ^2/NDF : 2258.7/35

In: 57.254 $\pm$ 0.162 χ^2/NDF : 2076.3/30

Out: 56.687 $\pm$ 0.153 χ^2/NDF : 2361.7/34

All: 56.954 $\pm$ 0.111 χ^2/NDF : 4444.4/65

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 $\chi^2/\text{NDF}: 120.6/16$

Left Out: 9.925 ± 0.263 $\chi^2/\text{NDF}: 480.5/15$

Right Out: 0.964 ± 0.424 $\chi^2/\text{NDF}: 149.5/18$

Left In: 9.967 ± 0.271 $\chi^2/\text{NDF}: 832.5/13$

Left: 9.945 ± 0.189 $\chi^2/\text{NDF}: 1313.0/29$

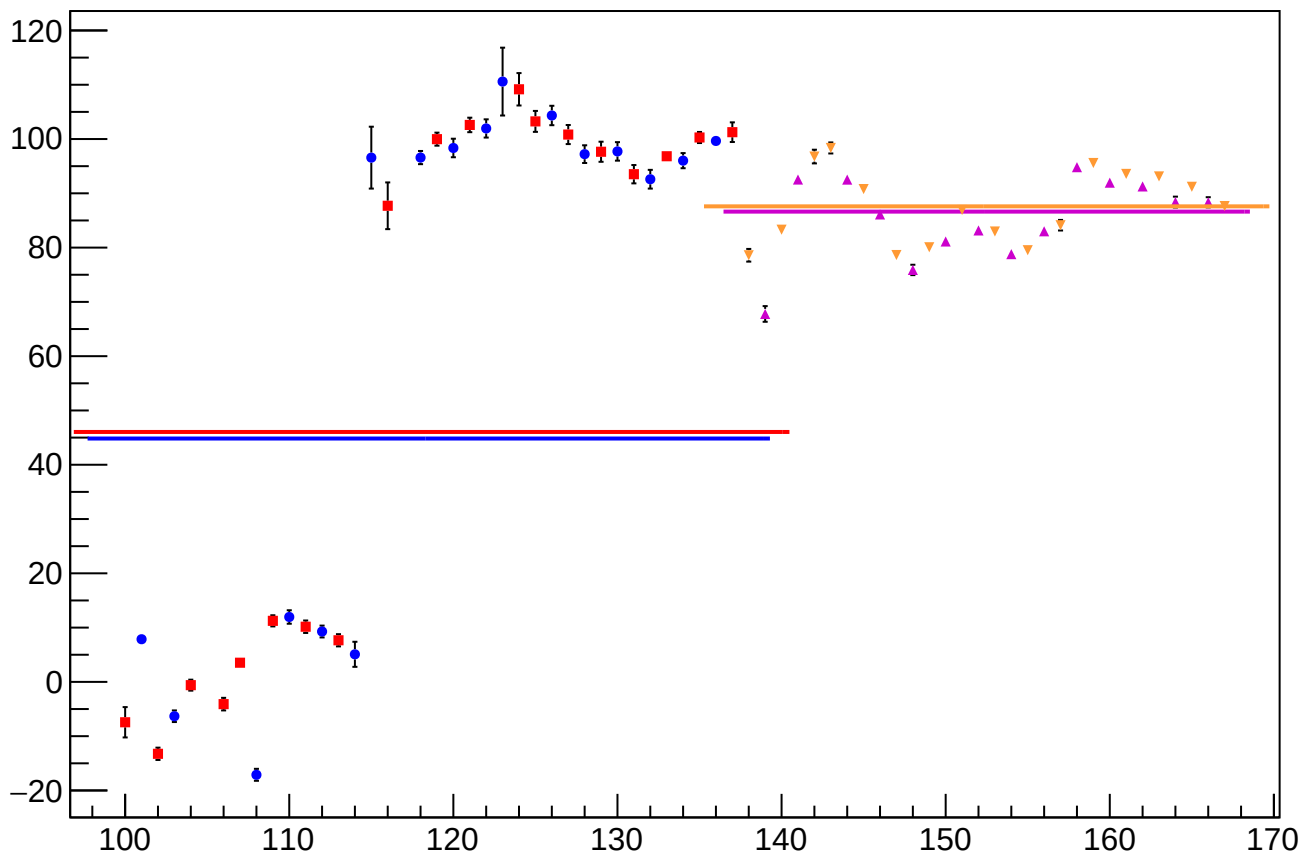
Right: 1.416 ± 0.312 $\chi^2/\text{NDF}: 272.6/35$

In: 7.887 ± 0.234 $\chi^2/\text{NDF}: 1179.6/30$

Out: 7.441 ± 0.223 $\chi^2/\text{NDF}: 952.3/34$

All: 7.654 ± 0.161 $\chi^2/\text{NDF}: 2133.8/65$

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: 86.629+/-0.236 χ^2/NDF : 767.3/13

Left: 87.140+/-0.162 χ^2/NDF : 1587.6/29

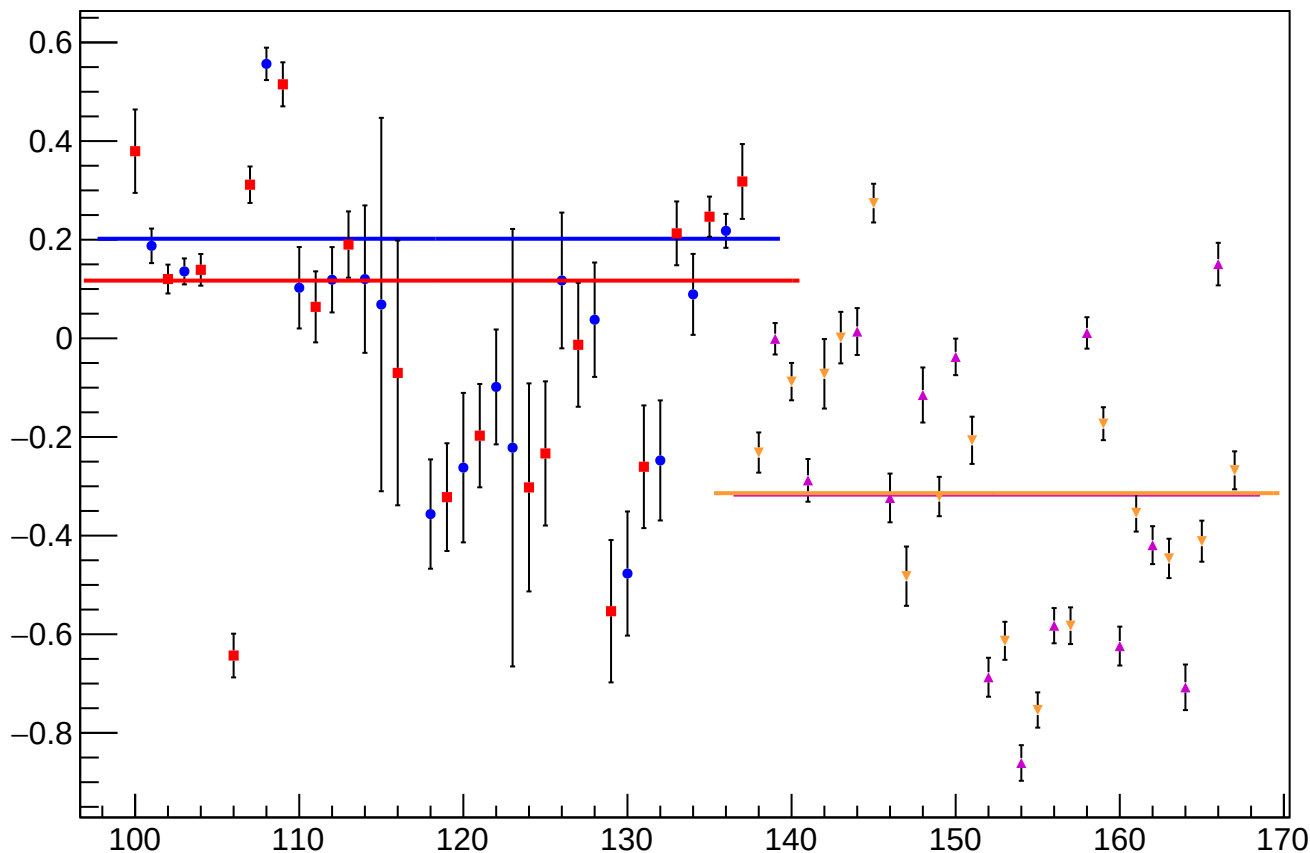
Right: 45.465+/-0.210 χ^2/NDF : 53034.8/35

In: 70.986+/-0.186 χ^2/NDF : 37310.5/30

Out: 72.078+/-0.177 χ^2/NDF : 41989.1/34

All: 71.560+/-0.128 χ^2/NDF : 79317.6/65

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 $\chi^2/\text{NDF}: 216.0/16$

Left Out: -0.314 ± 0.010 $\chi^2/\text{NDF}: 626.1/15$

Right Out: 0.117 ± 0.013 $\chi^2/\text{NDF}: 499.6/18$

Left In: -0.317 ± 0.011 $\chi^2/\text{NDF}: 950.0/13$

Left: -0.315 ± 0.007 $\chi^2/\text{NDF}: 1576.2/29$

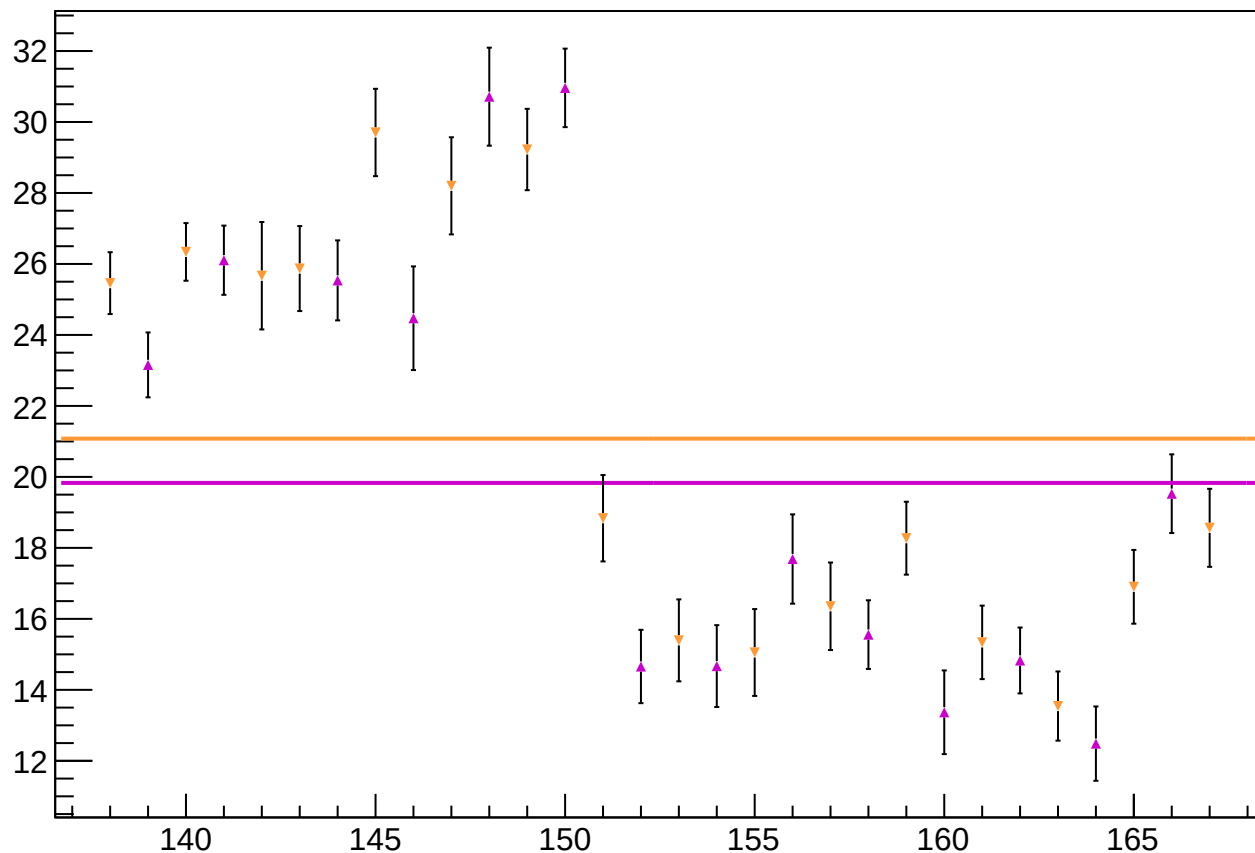
Right: 0.156 ± 0.010 $\chi^2/\text{NDF}: 735.2/35$

In: -0.129 ± 0.008 $\chi^2/\text{NDF}: 2035.6/30$

Out: -0.149 ± 0.008 $\chi^2/\text{NDF}: 1801.1/34$

All: -0.139 ± 0.006 $\chi^2/\text{NDF}: 3839.6/65$

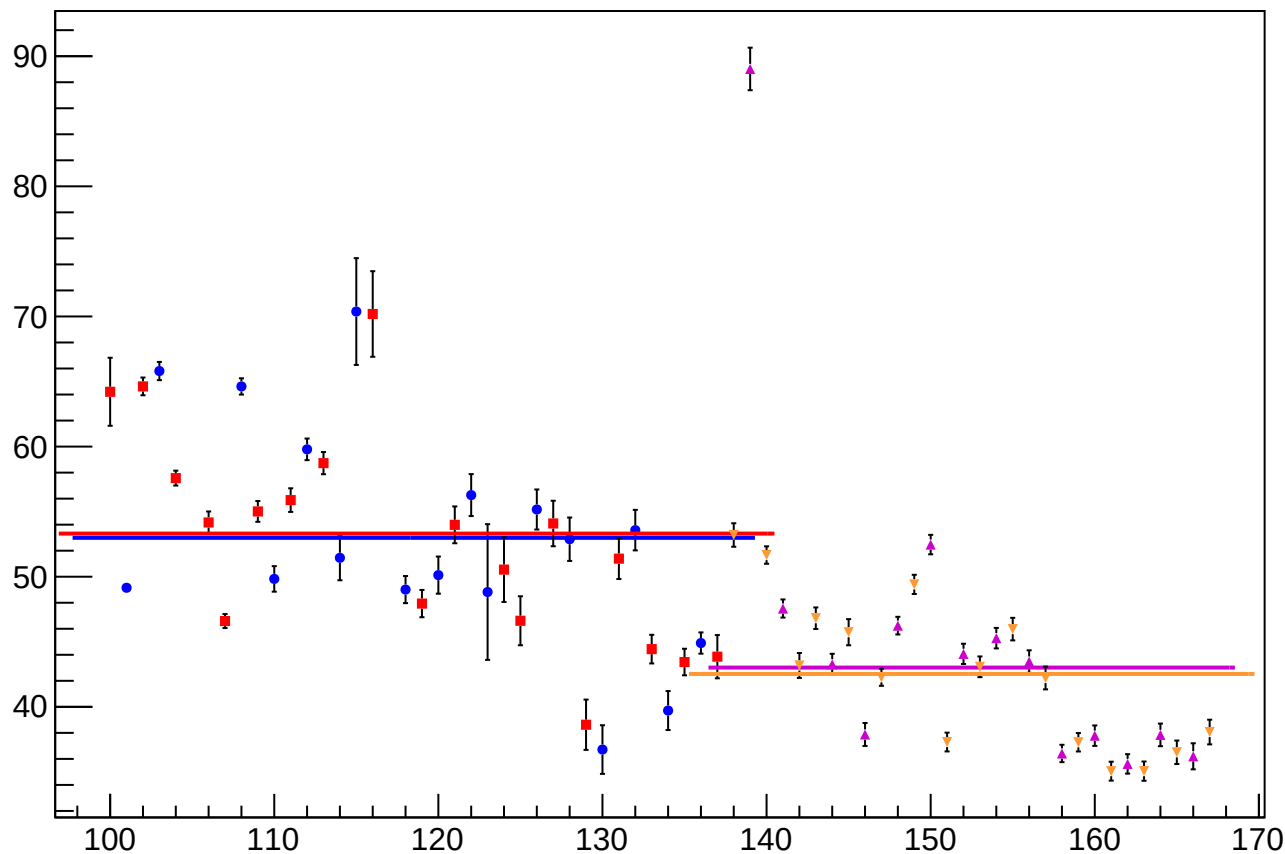
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 21.078+/-0.274 χ^2/NDF : 405.1/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 19.831+/-0.291 χ^2/NDF : 429.7/13

Left: 20.492+/-0.199 χ^2/NDF : 844.6/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 19.831+/-0.291 χ^2/NDF : 429.7/13
 Out: 21.078+/-0.274 χ^2/NDF : 405.1/15
 All: 20.492+/-0.199 χ^2/NDF : 844.6/29

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: 43.017 $\pm$ 0.214 χ^2 /NDF: 1383.0/13

Left: 42.755 $\pm$ 0.146 χ^2 /NDF: 2234.0/29

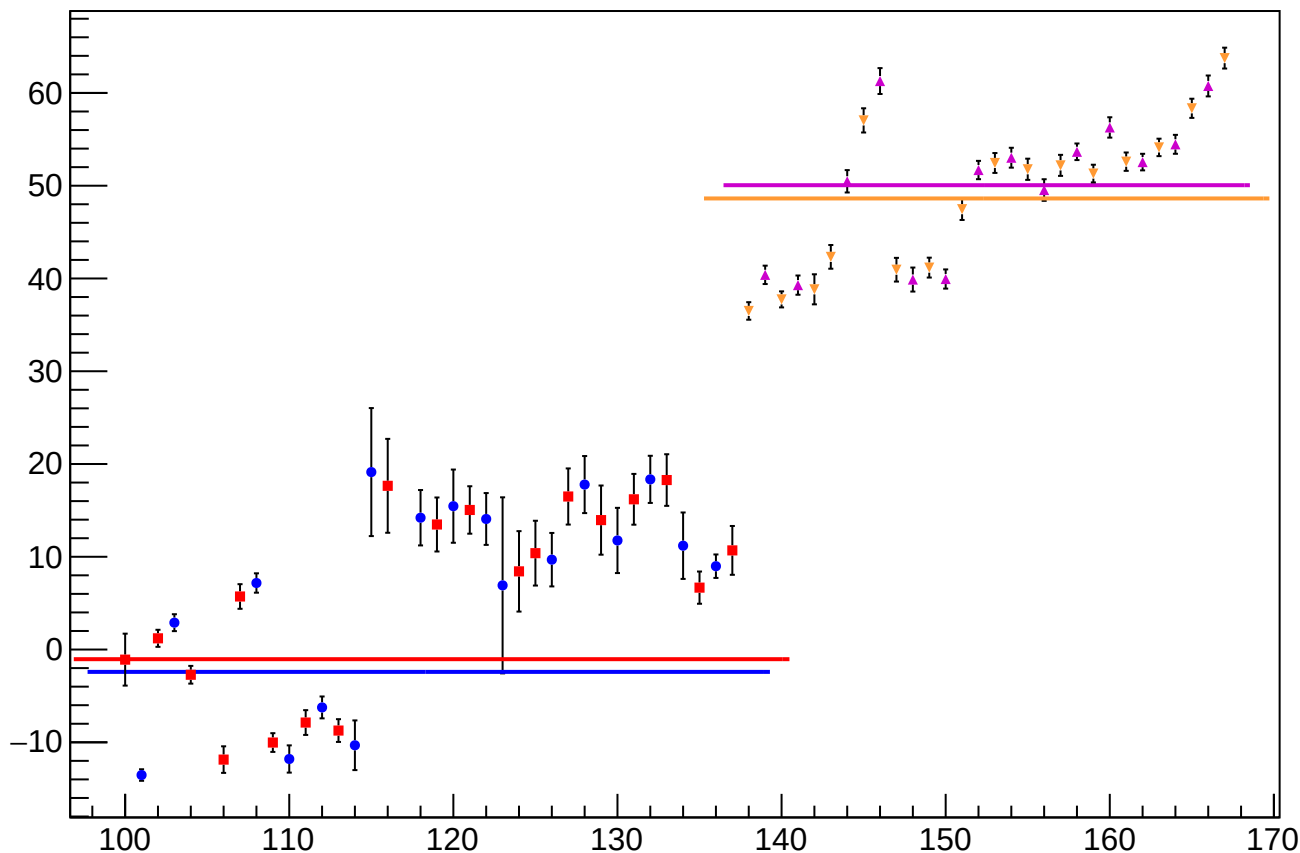
Right: 53.140 $\pm$ 0.154 χ^2 /NDF: 2074.7/35

In: 48.081 $\pm$ 0.150 χ^2 /NDF: 3681.5/30

Out: 47.212 $\pm$ 0.149 χ^2 /NDF: 3004.3/34

All: 47.644 $\pm$ 0.106 χ^2 /NDF: 6702.6/65

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: 50.055 ± 0.284 χ^2/NDF : 601.0/13

Left: 49.306 ± 0.196 χ^2/NDF : 1482.9/29

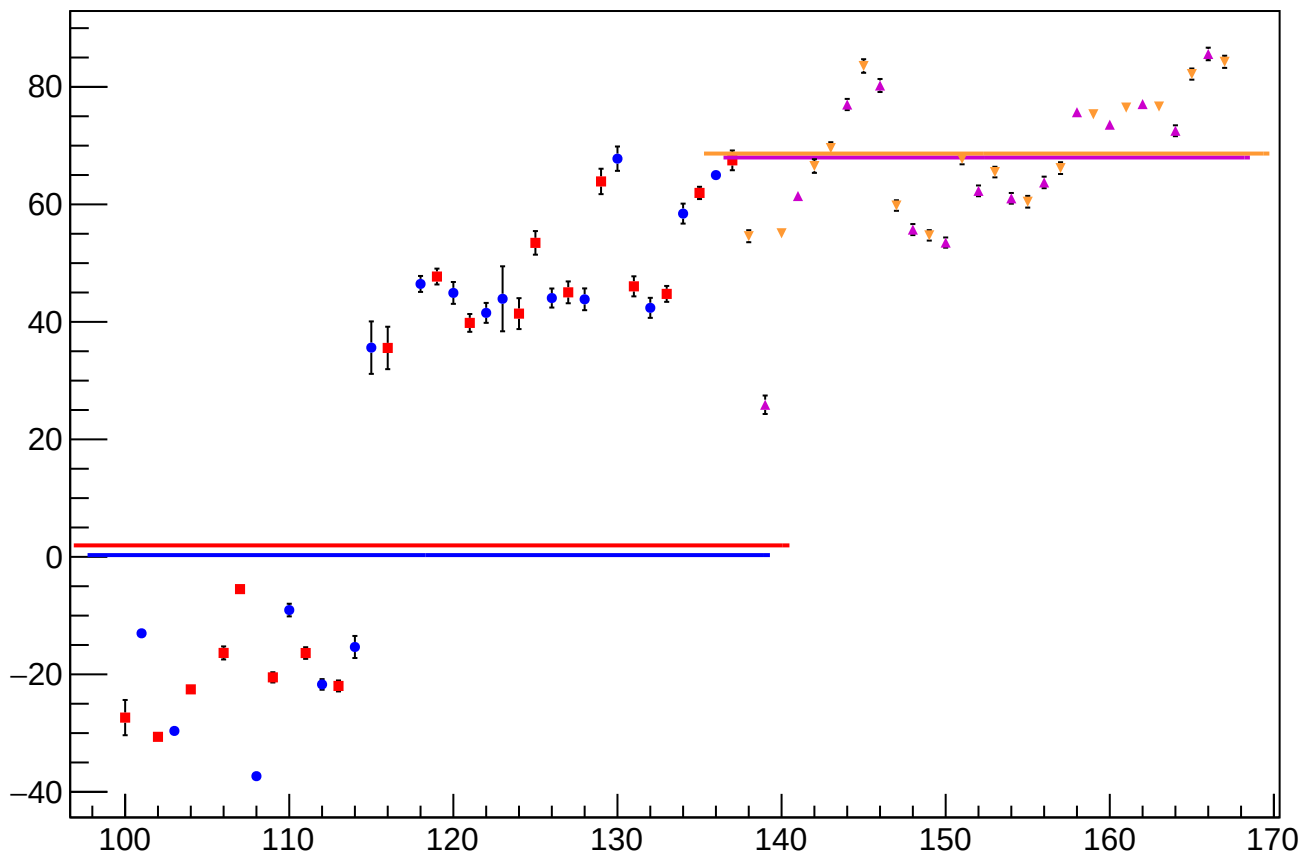
Right: -1.748 ± 0.262 χ^2/NDF : 1349.0/35

In: 30.225 ± 0.224 χ^2/NDF : 14335.2/30

Out: 31.741 ± 0.220 χ^2/NDF : 12827.5/34

All: 30.997 ± 0.157 χ^2/NDF : 27185.9/65

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 68.653 ± 0.229 χ^2/NDF : 1788.7/15

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

Left In: 67.983 ± 0.245 χ^2/NDF : 2148.4/13

Left: 68.340 ± 0.167 χ^2/NDF : 3941.1/29

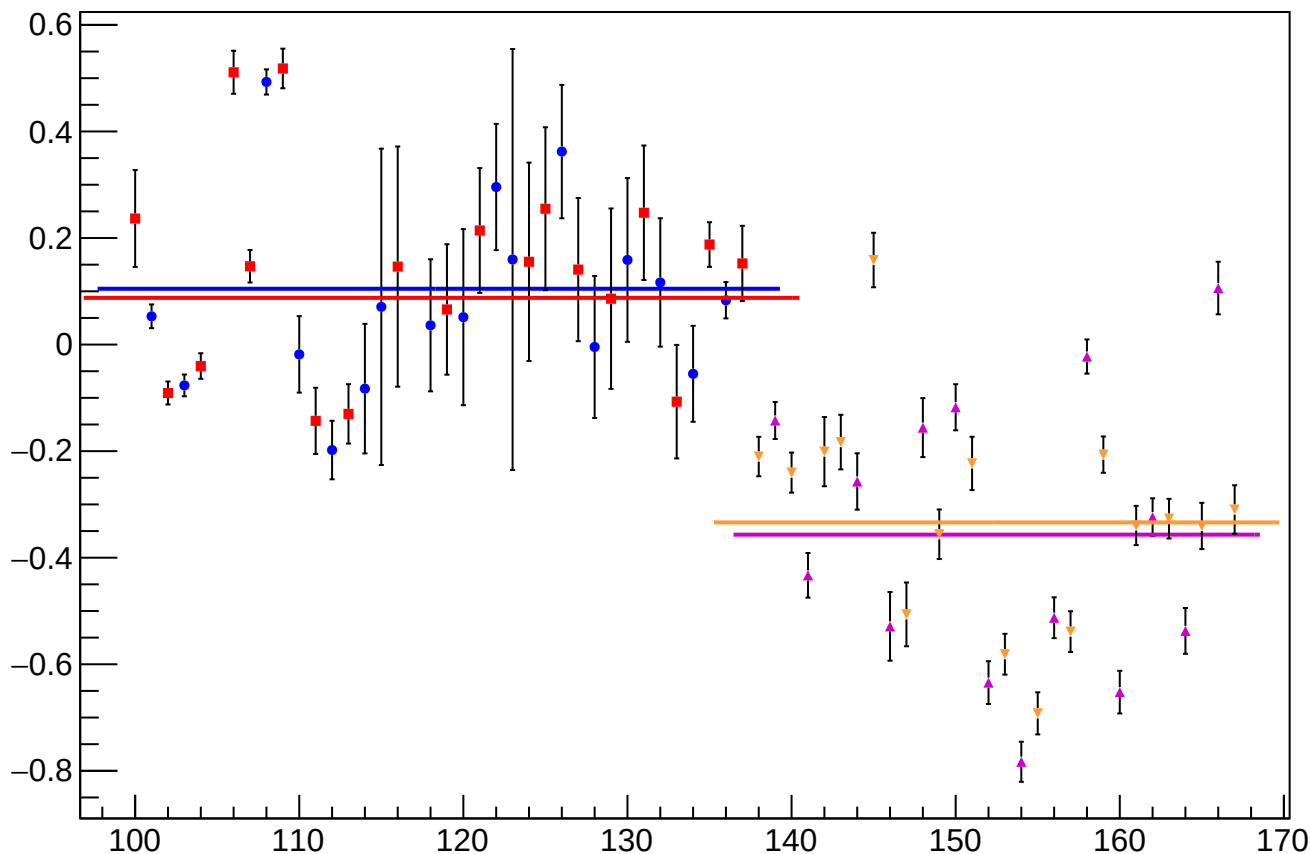
Right: 1.065 ± 0.181 χ^2/NDF : 33730.4/35

In: 34.535 ± 0.174 χ^2/NDF : 58259.4/30

Out: 40.323 ± 0.174 χ^2/NDF : 53240.8/34

All: 37.432 ± 0.123 χ^2/NDF : 112054.5/65

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.334 ± 0.011 $\chi^2/\text{NDF}: 303.3/15$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

Left In: -0.357 ± 0.011 $\chi^2/\text{NDF}: 558.4/13$

Left: -0.345 ± 0.008 $\chi^2/\text{NDF}: 864.0/29$

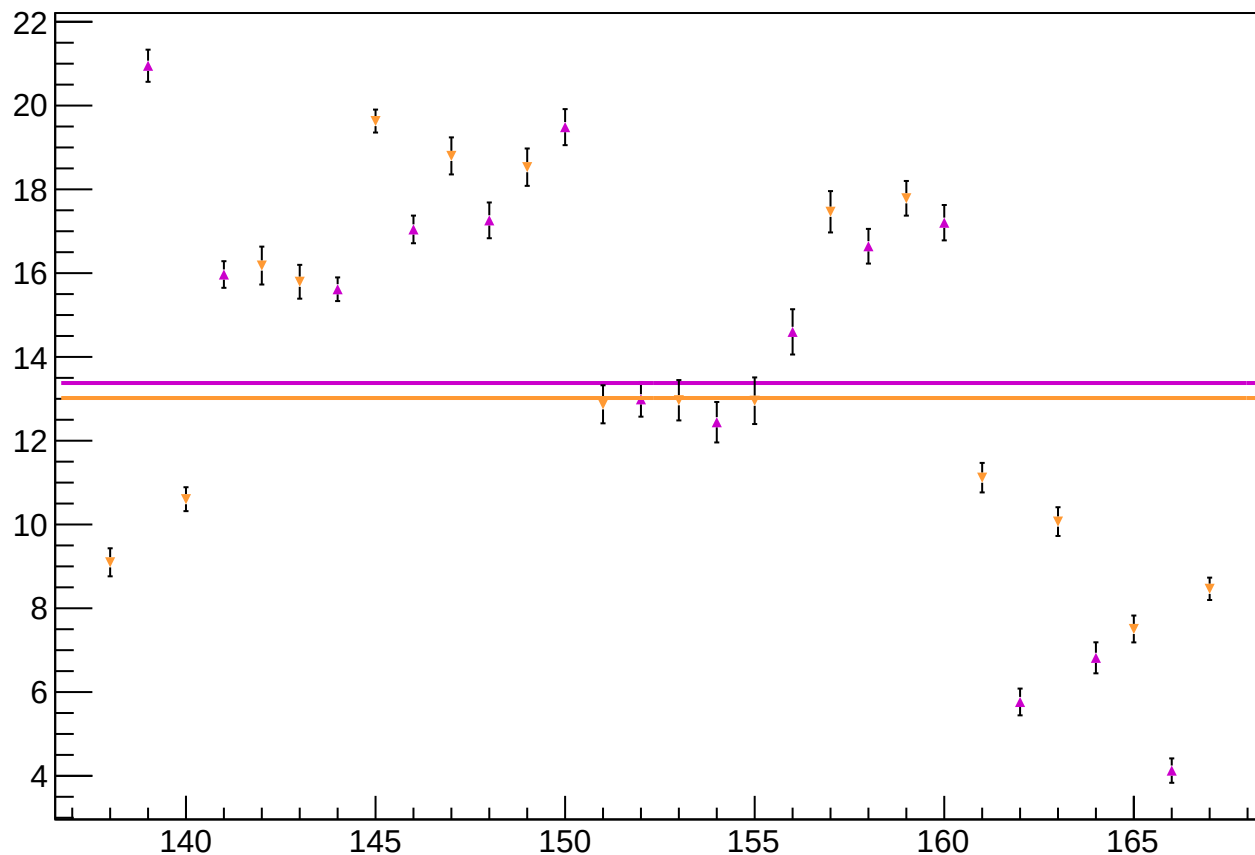
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.126 ± 0.008 $\chi^2/\text{NDF}: 1833.4/30$

Out: -0.131 ± 0.008 $\chi^2/\text{NDF}: 1455.3/34$

All: -0.129 ± 0.005 $\chi^2/\text{NDF}: 3288.9/65$

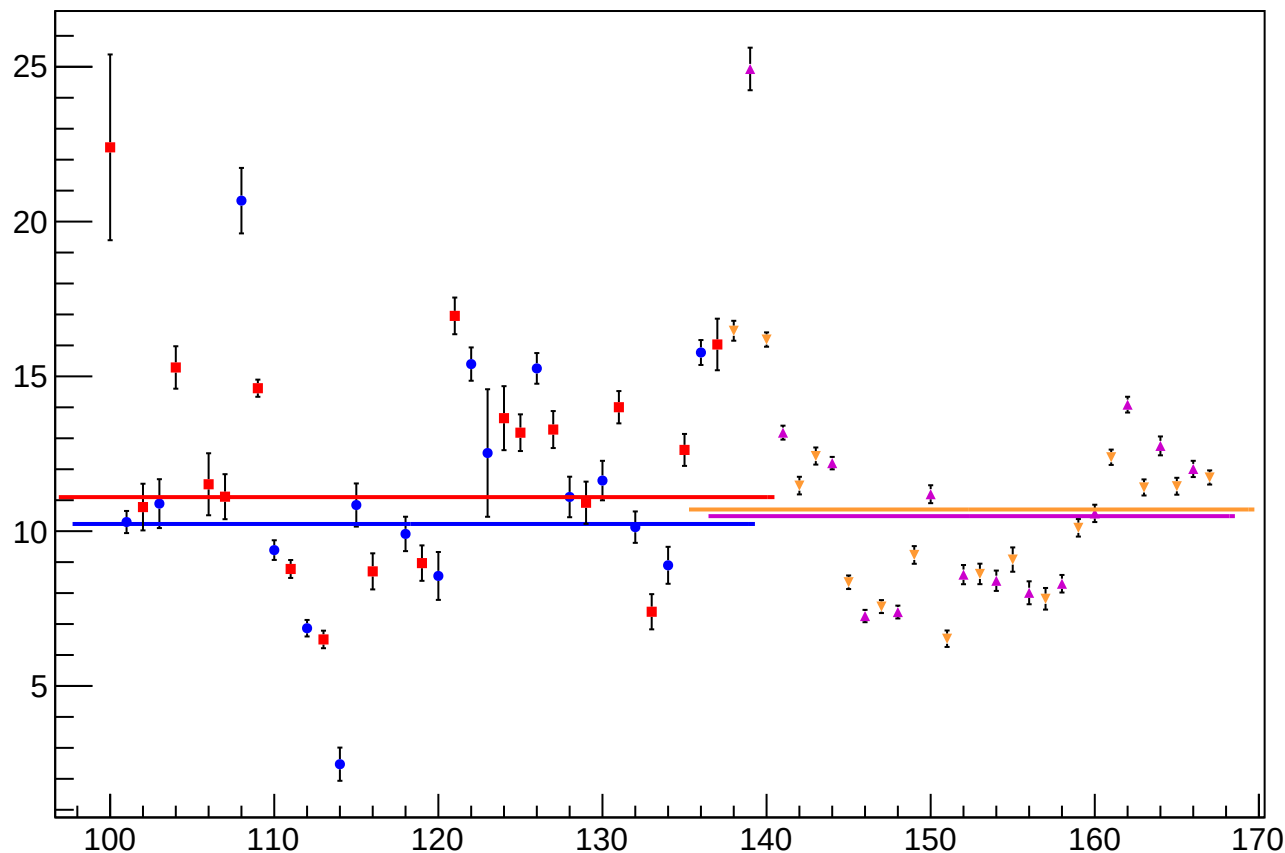
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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: 13.377 $\pm$ 0.098 χ^2 /NDF:2971.6/13

Left: 13.186 $\pm$ 0.067 χ^2 /NDF: 5092.6/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 13.377 $\pm$ 0.098 χ^2 /NDF:2971.6/13
 Out: 13.019 $\pm$ 0.092 χ^2 /NDF:2114.0/15
 All: 13.186 $\pm$ 0.067 χ^2 /NDF: 5092.6/29

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.700 ± 0.067 χ^2/NDF : 1754.6/15

Right Out: 11.100 ± 0.116 χ^2/NDF : 817.8/18

Left In: 10.485 ± 0.071 χ^2/NDF : 1618.7/13

Left: 10.599 ± 0.049 χ^2/NDF : 3378.2/29

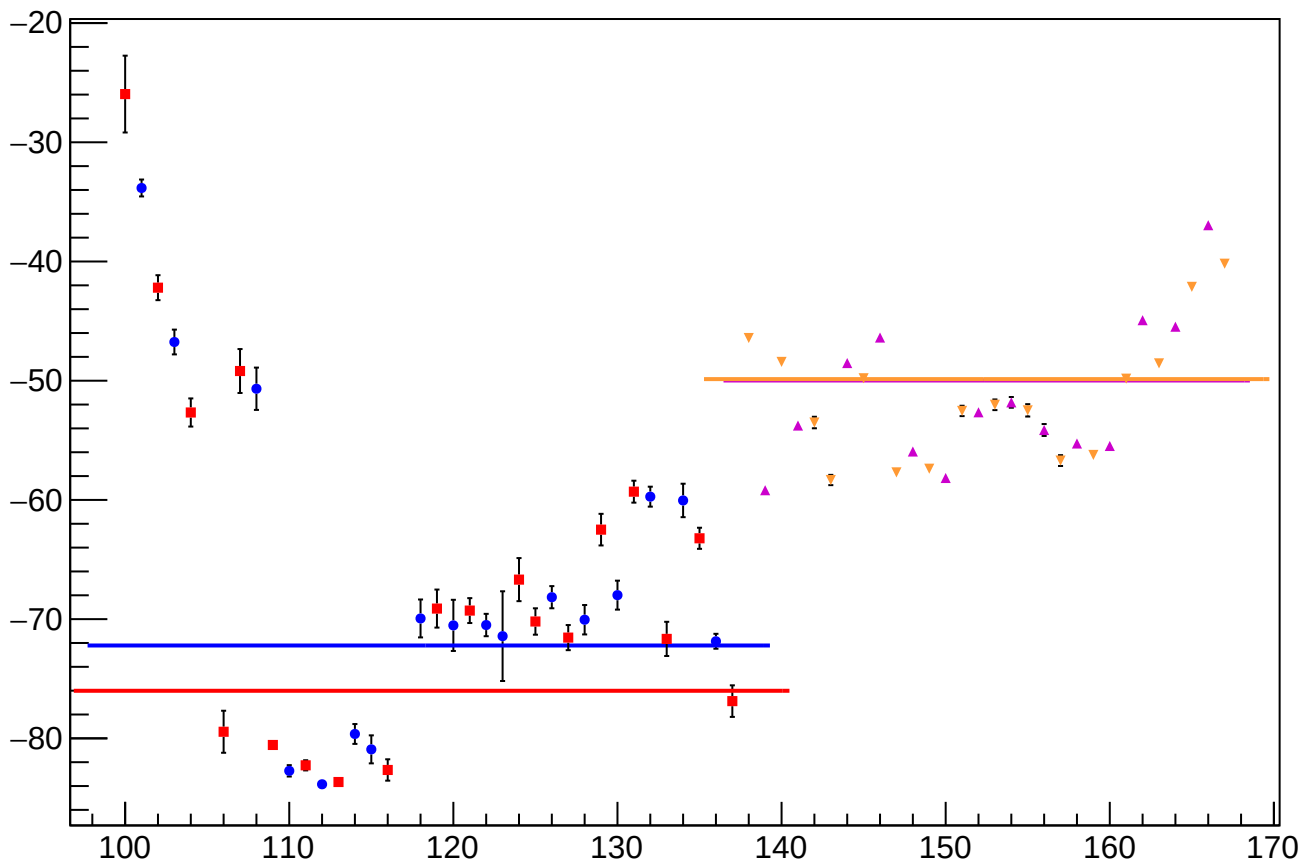
Right: 10.677 ± 0.083 χ^2/NDF : 1721.6/35

In: 10.419 ± 0.061 χ^2/NDF : 2498.8/30

Out: 10.799 ± 0.058 χ^2/NDF : 2581.2/34

All: 10.619 ± 0.042 χ^2/NDF : 5100.4/65

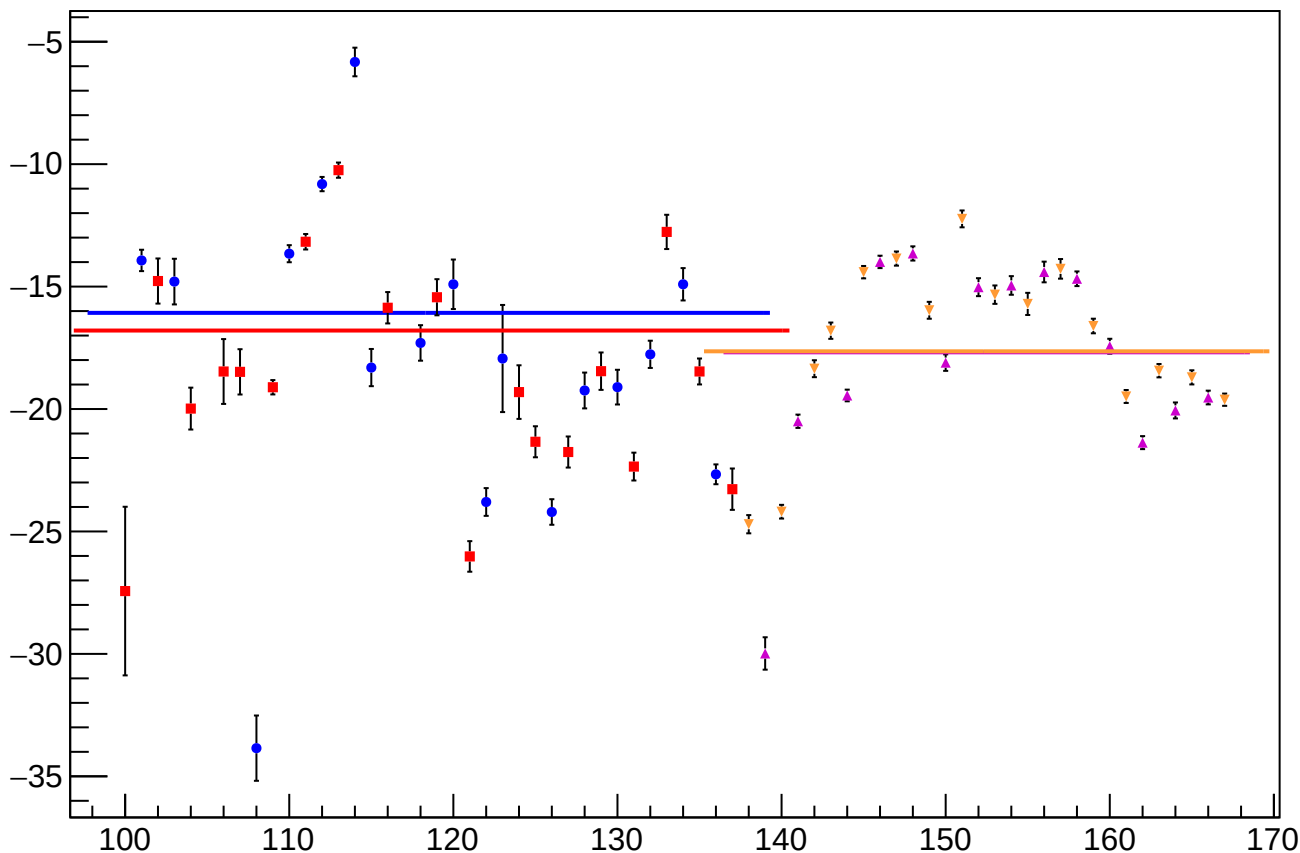
reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -49.982 ± 0.097 χ^2/NDF : 4279.4/13

Left: -49.921 ± 0.067 χ^2/NDF : 7968.1/29
 Right: -74.280 ± 0.134 χ^2/NDF : 9230.0/35
 In: -54.289 ± 0.087 χ^2/NDF : 20008.6/30
 Out: -55.232 ± 0.082 χ^2/NDF : 23733.9/34
 All: -54.789 ± 0.060 χ^2/NDF : 43804.7/65

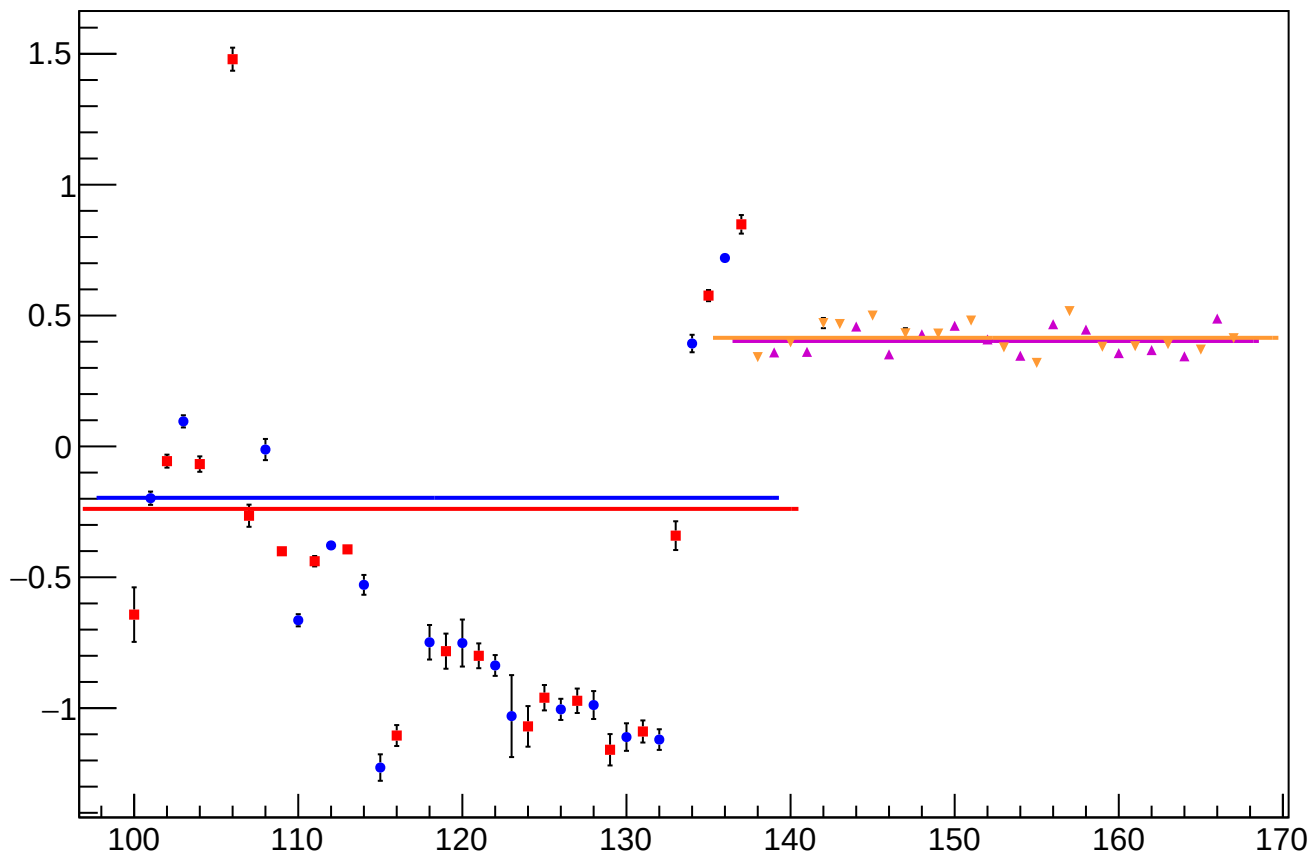
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -17.685 ± 0.082 $\chi^2/\text{NDF}: 1469.7/13$

Left: -17.663 ± 0.056 $\chi^2/\text{NDF}: 3264.1/29$
 Right: -16.446 ± 0.092 $\chi^2/\text{NDF}: 2871.9/35$
 In: -17.236 ± 0.070 $\chi^2/\text{NDF}: 3217.0/30$
 Out: -17.416 ± 0.066 $\chi^2/\text{NDF}: 3042.3/34$
 All: -17.331 ± 0.048 $\chi^2/\text{NDF}: 6262.8/65$

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: 0.403 ± 0.004 χ^2/NDF : 177.2/13

Left: 0.409 ± 0.003 χ^2/NDF : 402.4/29

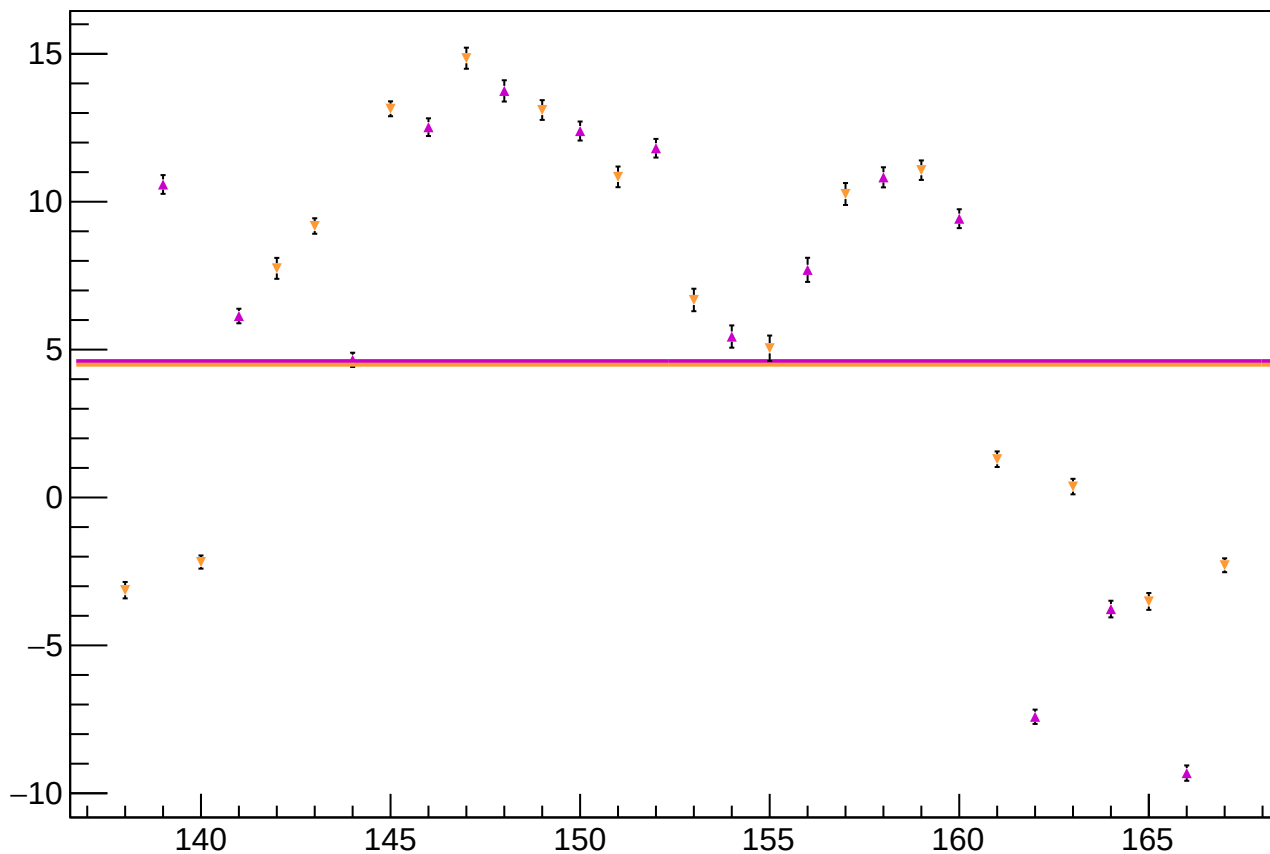
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.277 ± 0.003 χ^2/NDF : 11486.2/30

Out: 0.281 ± 0.003 χ^2/NDF : 12998.8/34

All: 0.279 ± 0.002 χ^2/NDF : 24485.6/65

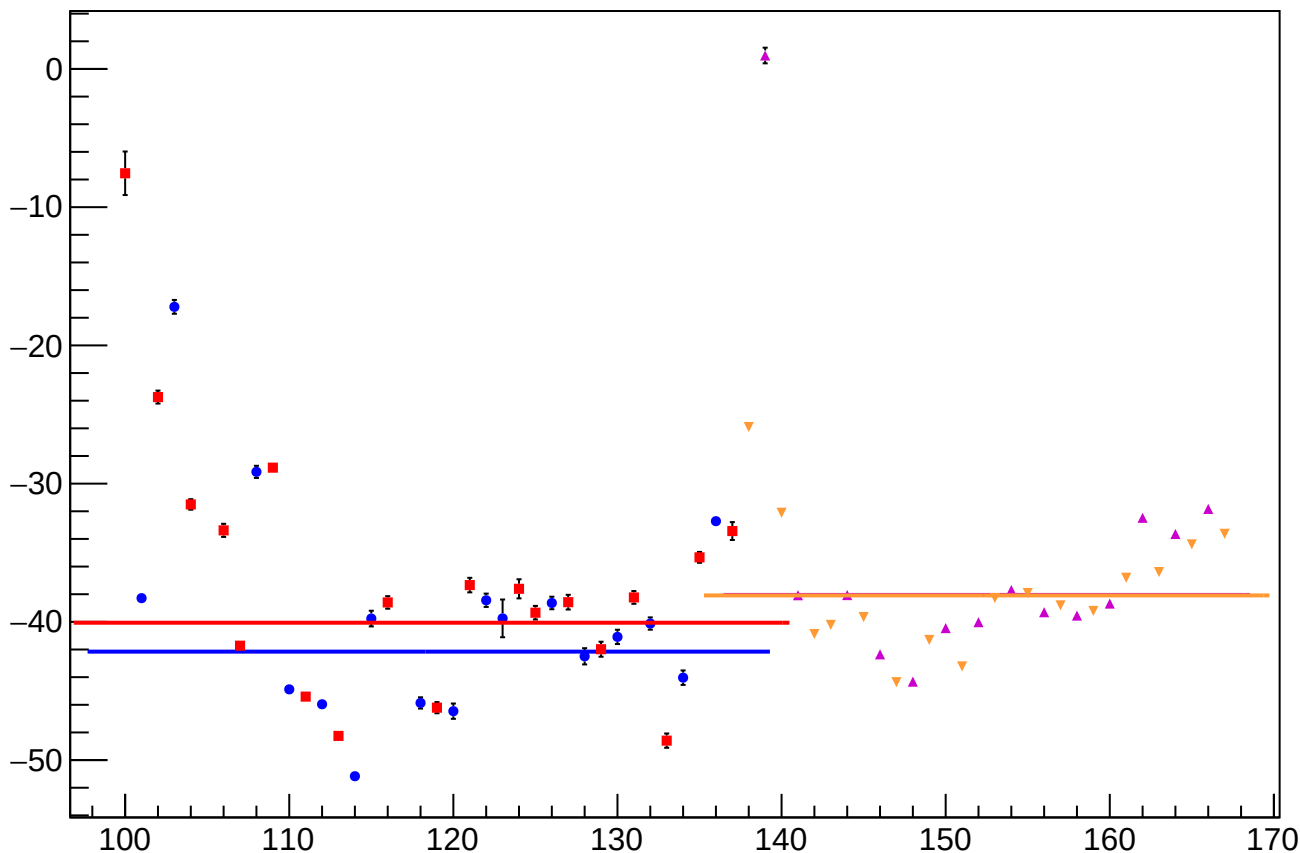
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.492+/-0.074 χ^2/NDF : 7769.5/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.610+/-0.079 χ^2/NDF : 9686.7/13

Left: 4.546+/-0.054 χ^2/NDF : 17457.3/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.610+/-0.079 χ^2/NDF : 9686.7/13
 Out: 4.492+/-0.074 χ^2/NDF : 7769.5/15
 All: 4.546+/-0.054 χ^2/NDF : 17457.3/29

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: -38.052 ± 0.058 $\chi^2/\text{NDF}: 8701.8/13$

Left: -38.071 ± 0.039 $\chi^2/\text{NDF}: 15280.2/29$

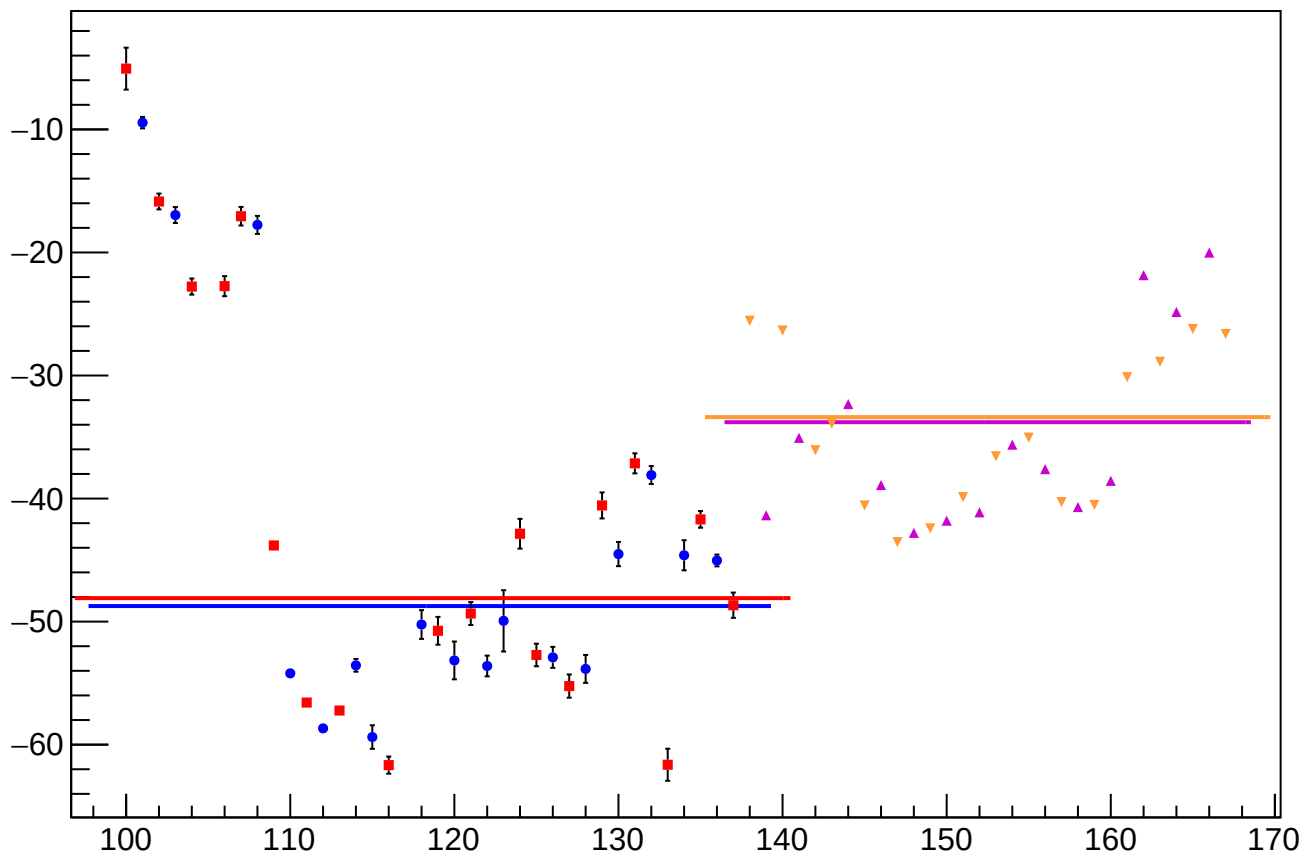
Right: -41.035 ± 0.053 $\chi^2/\text{NDF}: 18264.1/35$

In: -39.497 ± 0.046 $\chi^2/\text{NDF}: 17049.2/30$

Out: -38.774 ± 0.043 $\chi^2/\text{NDF}: 18380.6/34$

All: -39.108 ± 0.031 $\chi^2/\text{NDF}: 35561.0/65$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737+/-0.125 χ^2/NDF : 14658.1/16

Left Out: -33.381+/-0.073 χ^2/NDF : 7446.0/15

Right Out: -48.092+/-0.107 χ^2/NDF : 11733.2/18

Left In: -33.794+/-0.078 χ^2/NDF : 10136.6/13

Left: -33.574+/-0.054 χ^2/NDF : 17597.4/29

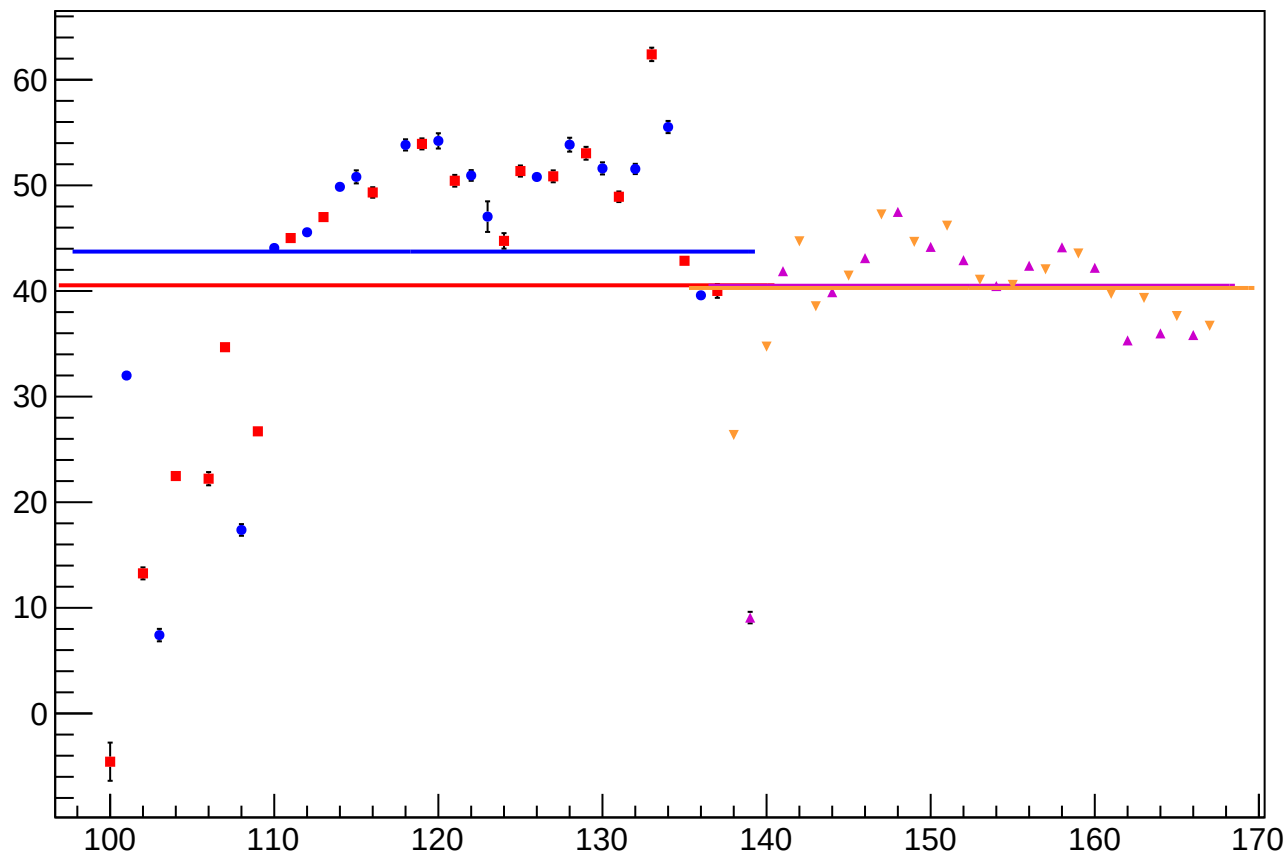
Right: -48.367+/-0.081 χ^2/NDF : 26406.8/35

In: -38.017+/-0.066 χ^2/NDF : 35119.2/30

Out: -38.078+/-0.061 χ^2/NDF : 31990.2/34

All: -38.050+/-0.045 χ^2/NDF : 67109.9/65

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: 40.496 $\pm$ 0.066 χ^2 /NDF: 6243.3/13

Left: 40.383 $\pm$ 0.045 χ^2 /NDF: 11550.6/29

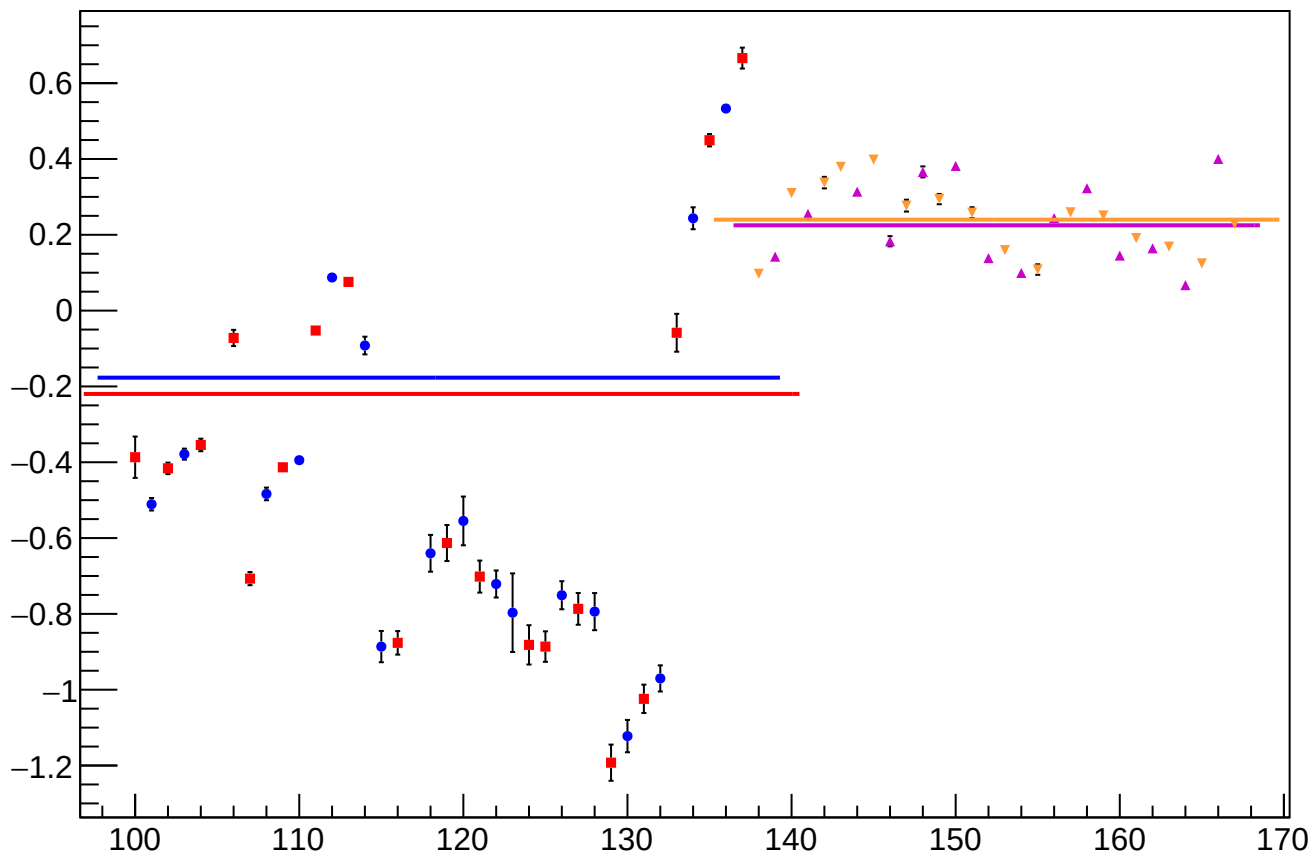
Right: 42.007 $\pm$ 0.059 χ^2 /NDF: 28898.9/35

In: 41.690 $\pm$ 0.053 χ^2 /NDF: 17686.2/30

Out: 40.379 $\pm$ 0.049 χ^2 /NDF: 22909.4/34

All: 40.984 $\pm$ 0.036 χ^2 /NDF: 40928.1/65

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: 0.225 ± 0.003 χ^2/NDF : 1122.7/13

Left: 0.233 ± 0.002 χ^2/NDF : 2077.1/29

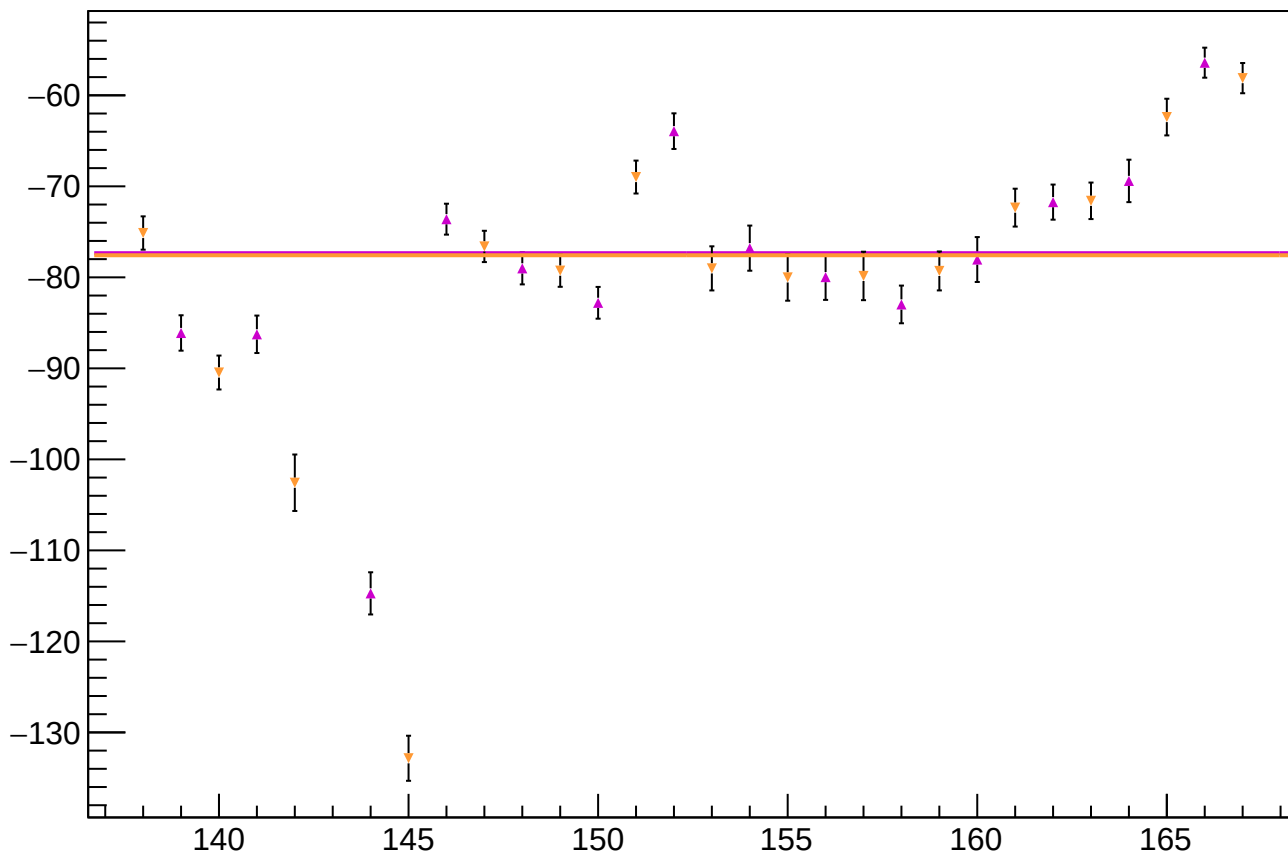
Right: -0.201 ± 0.003 χ^2/NDF : 14839.1/35

In: 0.108 ± 0.003 χ^2/NDF : 13367.7/30

Out: 0.096 ± 0.002 χ^2/NDF : 16213.2/34

All: 0.101 ± 0.002 χ^2/NDF : 29591.6/65

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



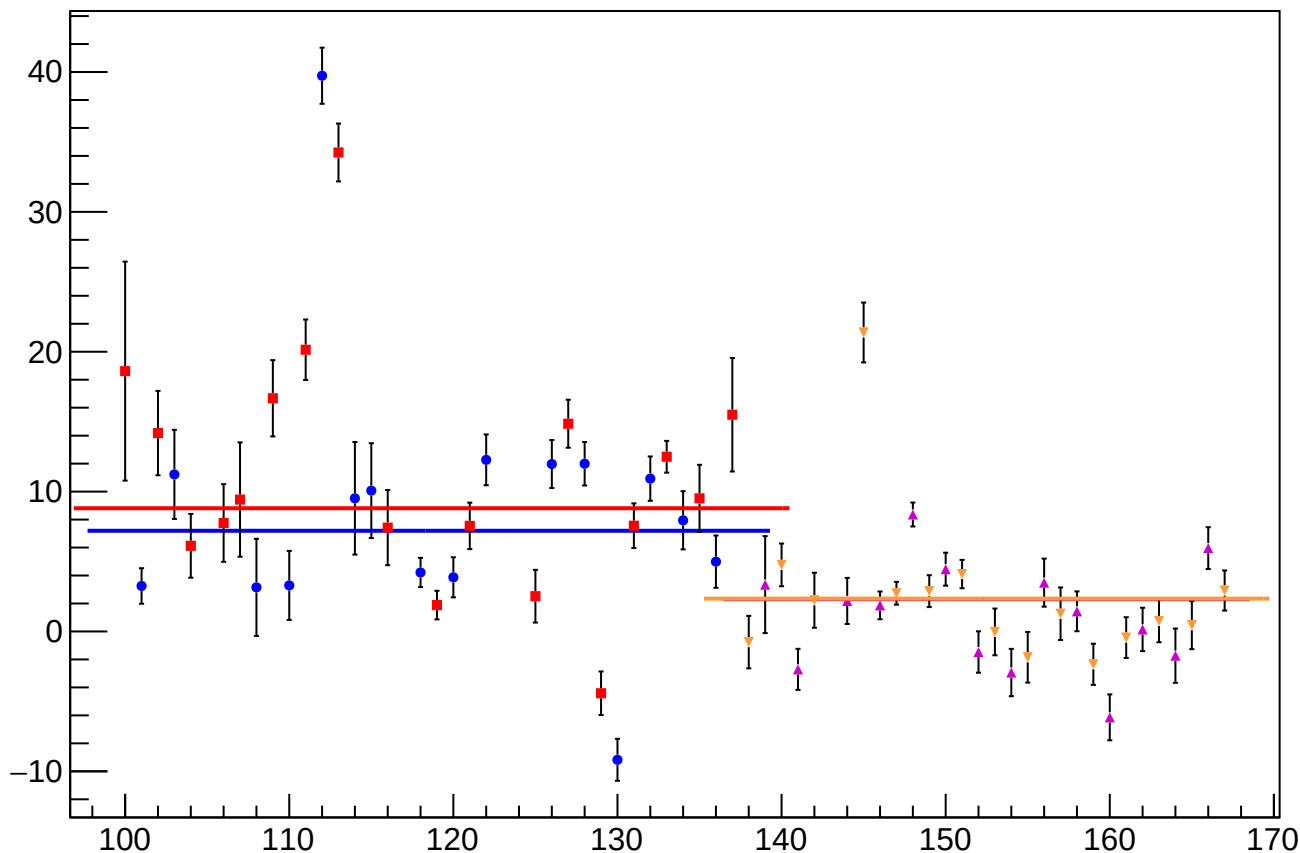
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -77.572+/-0.528 χ^2/NDF :848.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -77.347+/-0.536 χ^2/NDF :551.3/13

Left: -77.461+/-0.376 χ^2/NDF : 1400.0/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -77.347+/-0.536 χ^2/NDF :551.3/13
 Out: -77.572+/-0.528 χ^2/NDF :848.6/14

All: -77.461+/-0.376 χ^2/NDF : 1400.0/28

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: 2.309 $\pm$ 0.374 χ^2 /NDF:121.0/13

Left: 2.329 $\pm$ 0.261 χ^2 /NDF: 232.9/28

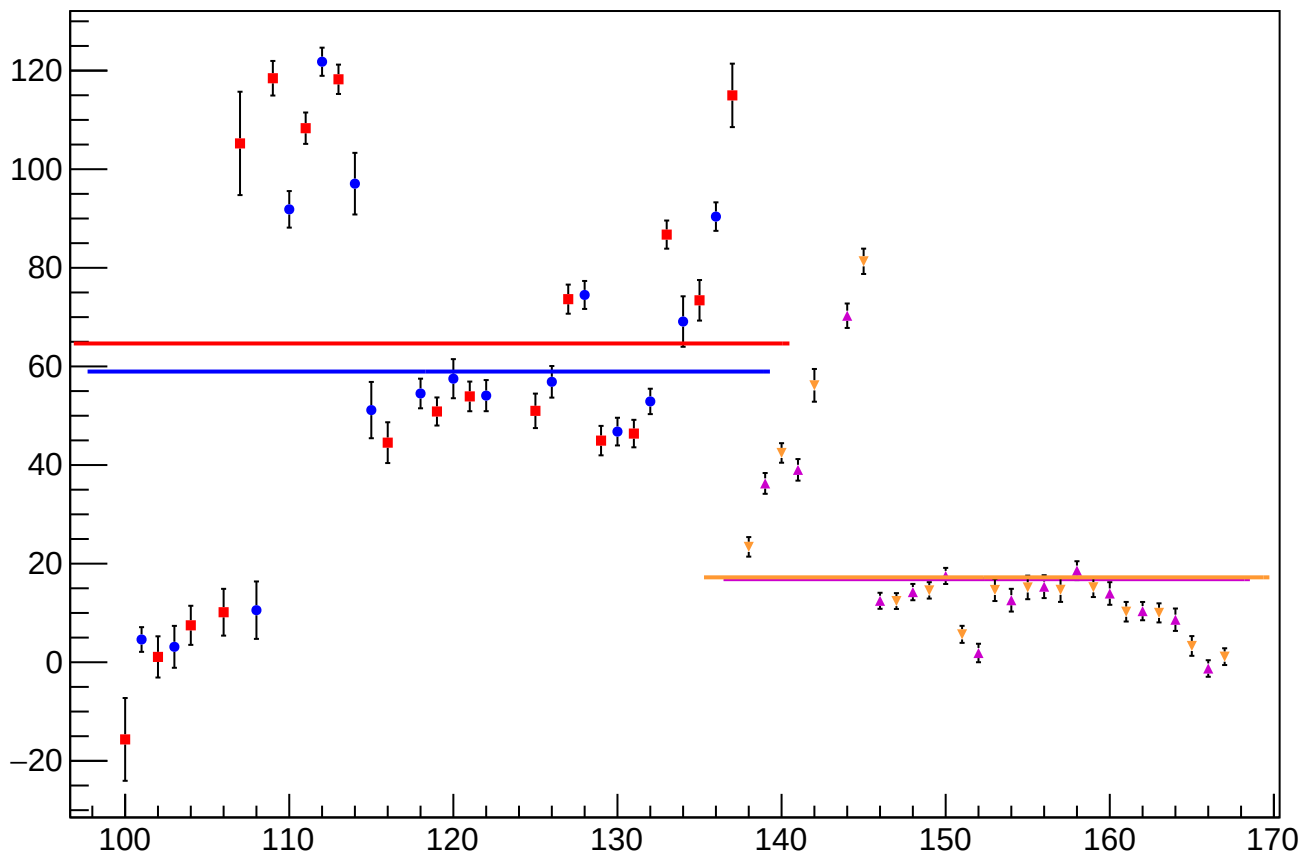
Right: 7.990 $\pm$ 0.314 χ^2 /NDF: 800.1/33

In: 4.362 $\pm$ 0.285 χ^2 /NDF:636.7/29

Out: 4.913 $\pm$ 0.282 χ^2 /NDF:587.1/32

All: 4.640 $\pm$ 0.200 χ^2 /NDF: 1225.6/62

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 17.222 $\pm$ 0.517 χ^2 /NDF:1155.9/14

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

Left In: 16.853 $\pm$ 0.521 χ^2 /NDF:873.9/13

Left: 17.039 $\pm$ 0.367 χ^2 /NDF: 2030.1/28

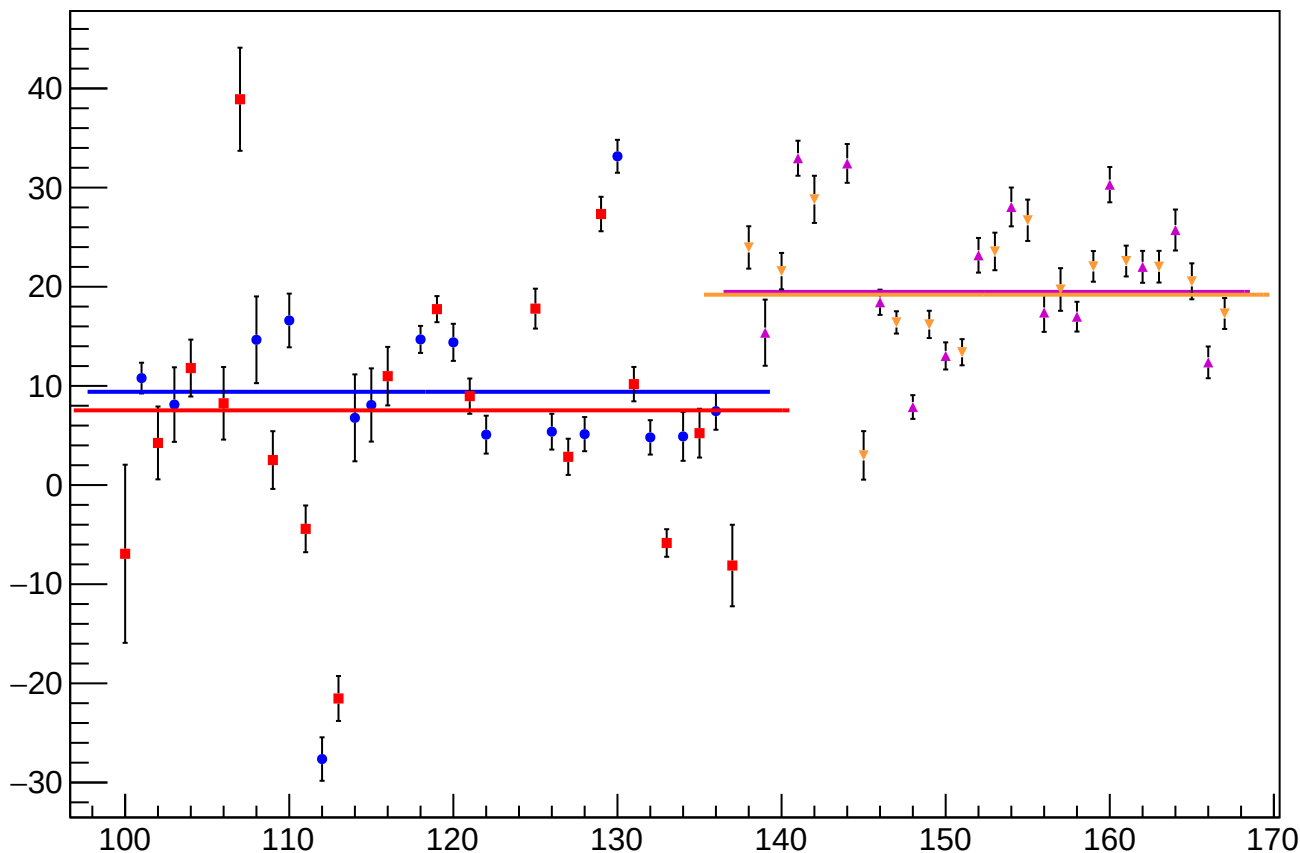
Right: 61.798 $\pm$ 0.593 χ^2 /NDF: 3241.4/33

In: 28.629 $\pm$ 0.443 χ^2 /NDF:4193.9/29

Out: 30.241 $\pm$ 0.440 χ^2 /NDF:5191.0/32

All: 29.439 $\pm$ 0.312 χ^2 /NDF: 9391.6/62

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 19.199 ± 0.430 $\chi^2/\text{NDF}: 128.8/14$

Right Out: 7.533 ± 0.515 $\chi^2/\text{NDF}: 569.8/17$

Left In: 19.480 ± 0.441 $\chi^2/\text{NDF}: 316.6/13$

Left: 19.335 ± 0.308 $\chi^2/\text{NDF}: 445.6/28$

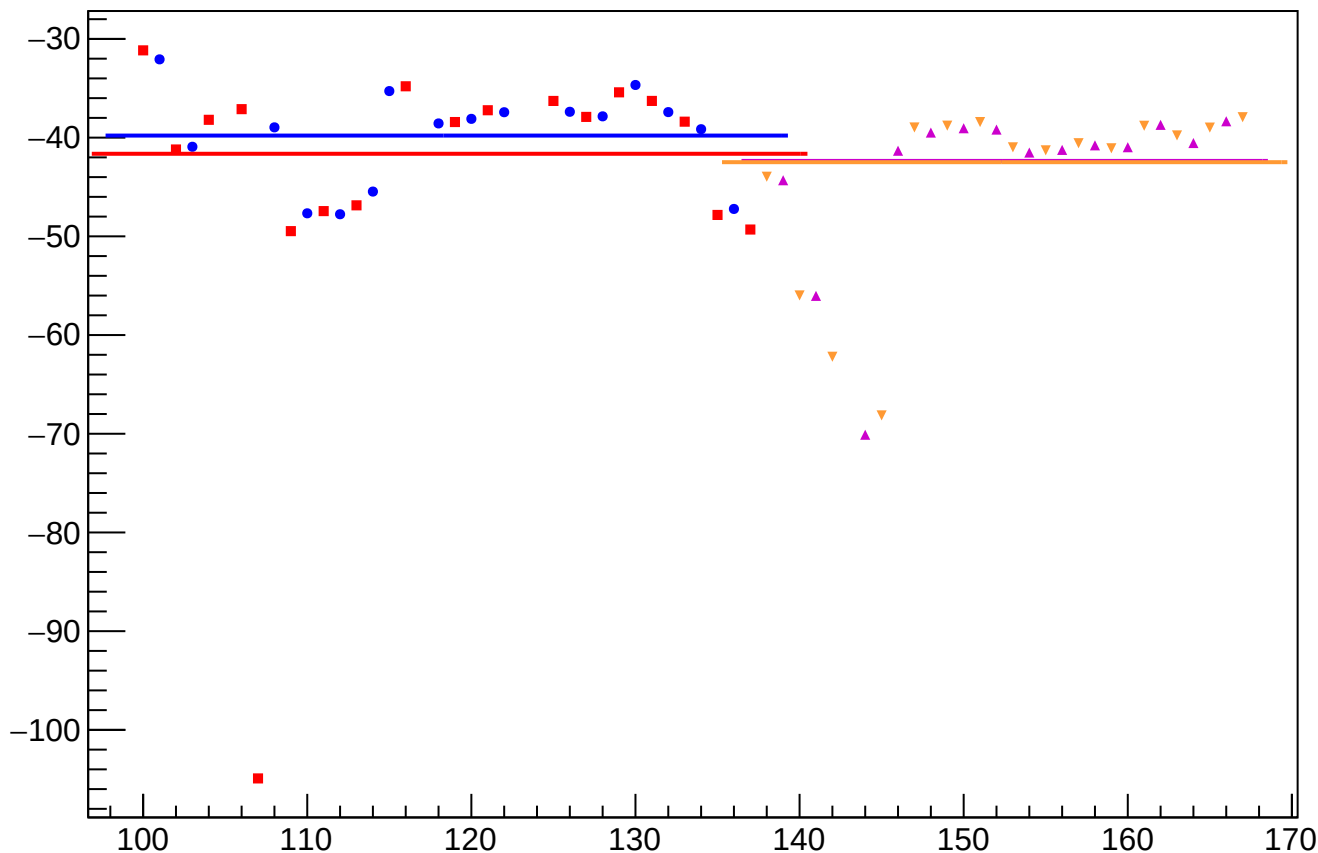
Right: 8.484 ± 0.361 $\chi^2/\text{NDF}: 1126.0/33$

In: 15.140 ± 0.333 $\chi^2/\text{NDF}: 1091.1/29$

Out: 14.410 ± 0.330 $\chi^2/\text{NDF}: 1001.3/32$

All: 14.772 ± 0.234 $\chi^2/\text{NDF}: 2094.8/62$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected

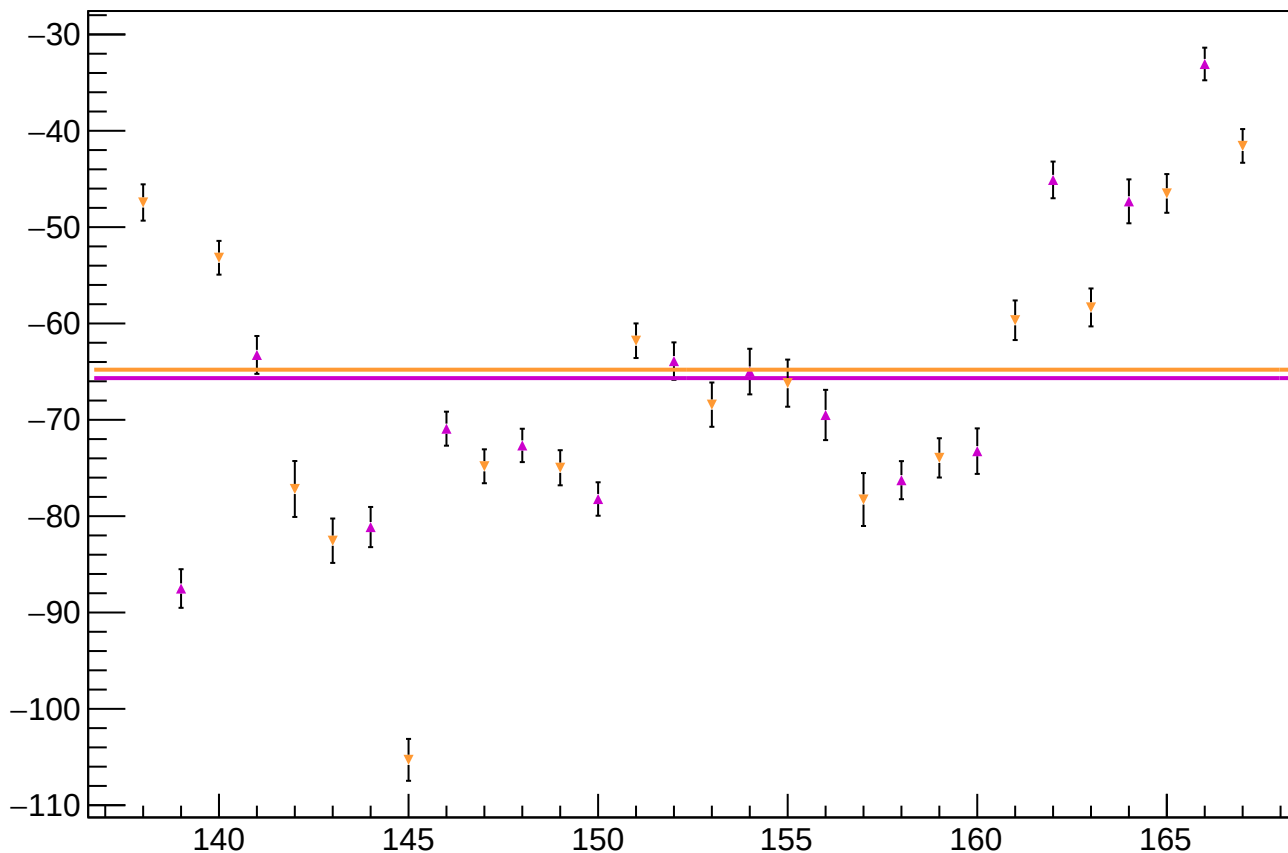


Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15
 Left Out: -42.487 ± 0.021 χ^2/NDF : 129219.3/14
 Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17
 Left In: -42.359 ± 0.021 χ^2/NDF : 102425.1/13

Left: -42.424 ± 0.015 χ^2/NDF : 231663.2/28
 Right: -40.714 ± 0.022 χ^2/NDF : 122277.1/33
 In: -41.570 ± 0.017 χ^2/NDF : 133248.4/29
 Out: -42.228 ± 0.017 χ^2/NDF : 224130.1/32

All: -41.901 ± 0.012 χ^2/NDF : 358105.8/62

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



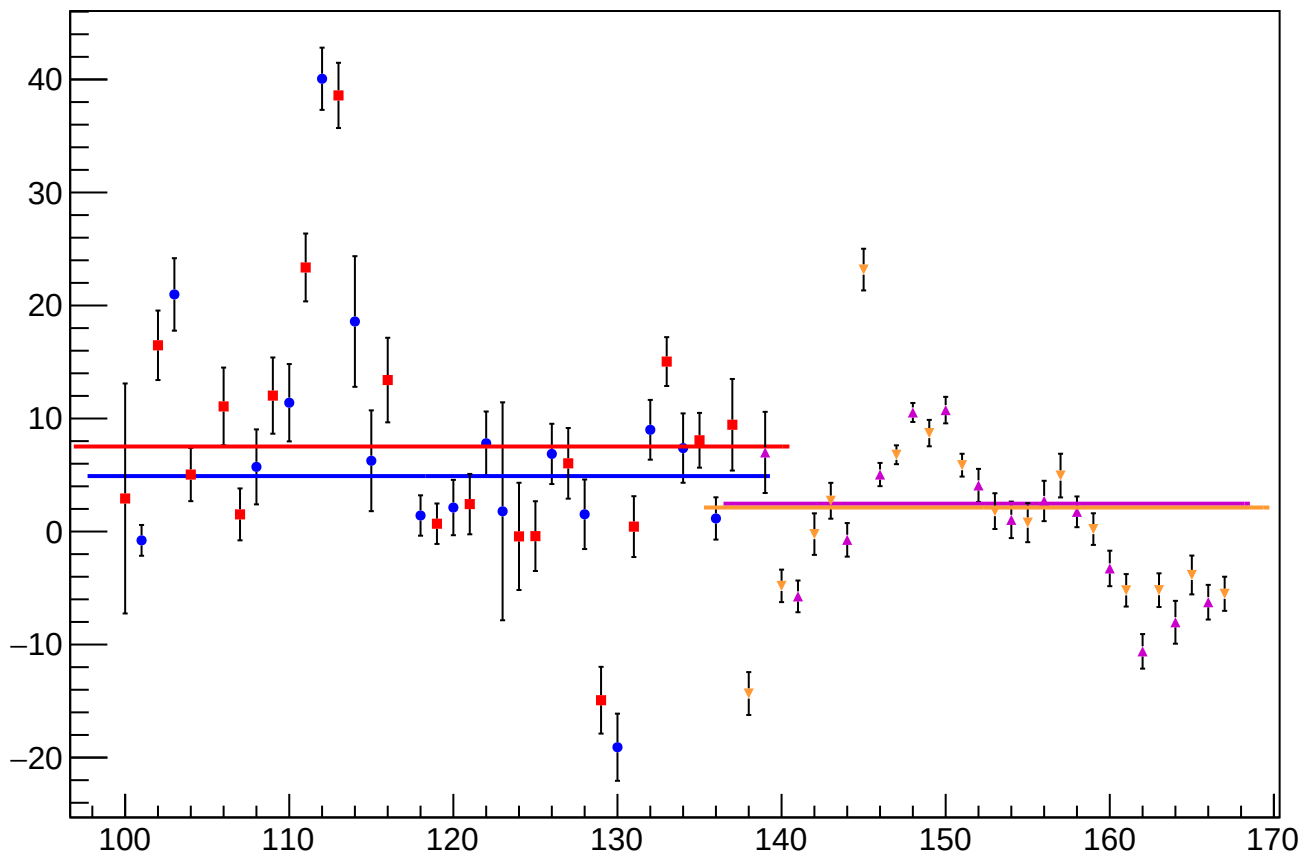
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -64.795+/-0.509 χ^2/NDF :943.0/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -65.672+/-0.529 χ^2/NDF :847.0/13

Left: -65.216+/-0.367 χ^2/NDF : 1791.4/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.672+/-0.529 χ^2/NDF :847.0/13
 Out: -64.795+/-0.509 χ^2/NDF :943.0/15

All: -65.216+/-0.367 χ^2/NDF : 1791.4/29

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 2.125 ± 0.351 χ^2/NDF : 399.8/15

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

Left In: 2.466 ± 0.368 χ^2/NDF : 340.6/13

Left: 2.287 ± 0.254 χ^2/NDF : 740.9/29

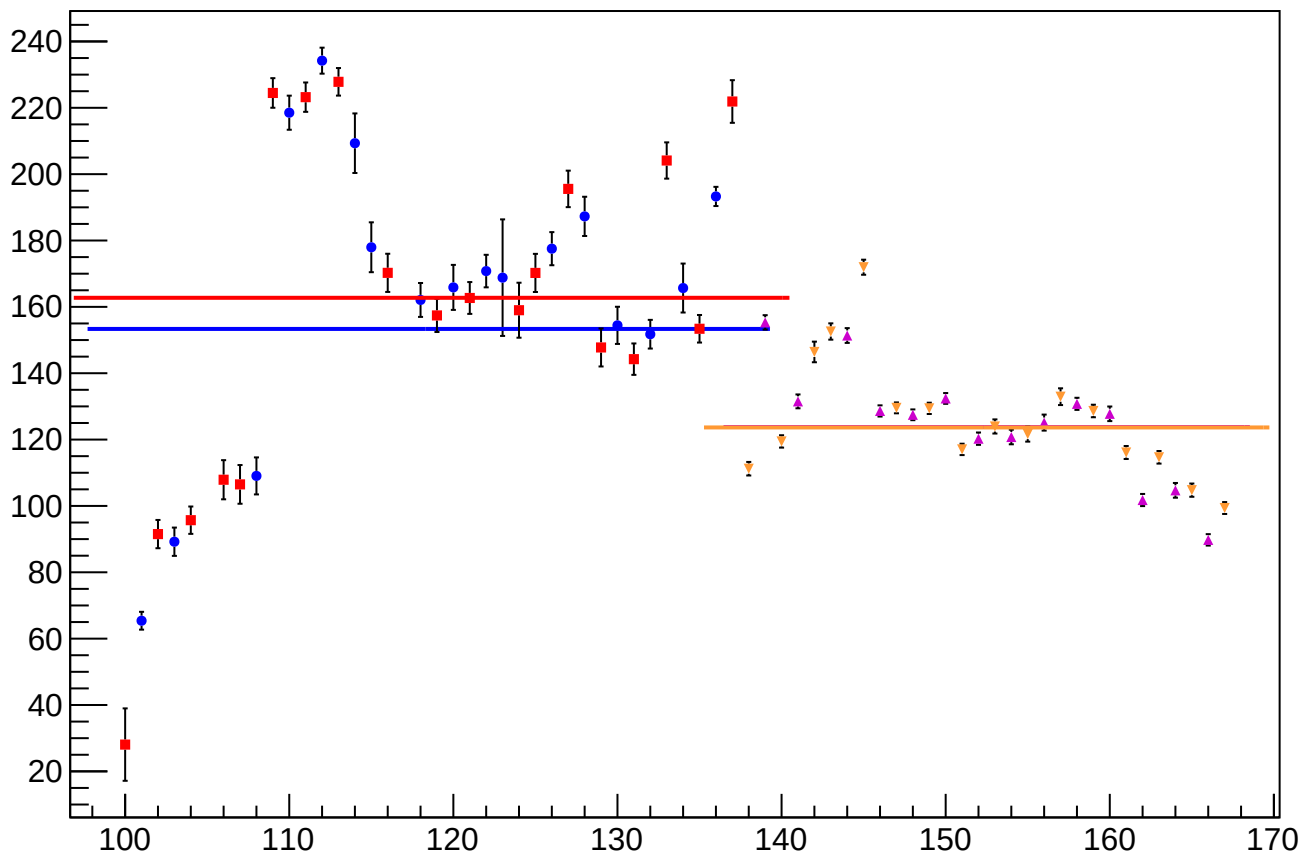
Right: 6.168 ± 0.452 χ^2/NDF : 574.4/35

In: 3.091 ± 0.318 χ^2/NDF : 647.2/30

Out: 3.341 ± 0.309 χ^2/NDF : 723.8/34

All: 3.219 ± 0.221 χ^2/NDF : 1371.3/65

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: 123.786 $\pm$ 0.515 χ^2 /NDF:1049.9/13

Left: 123.719 $\pm$ 0.359 χ^2 /NDF: 2107.8/29

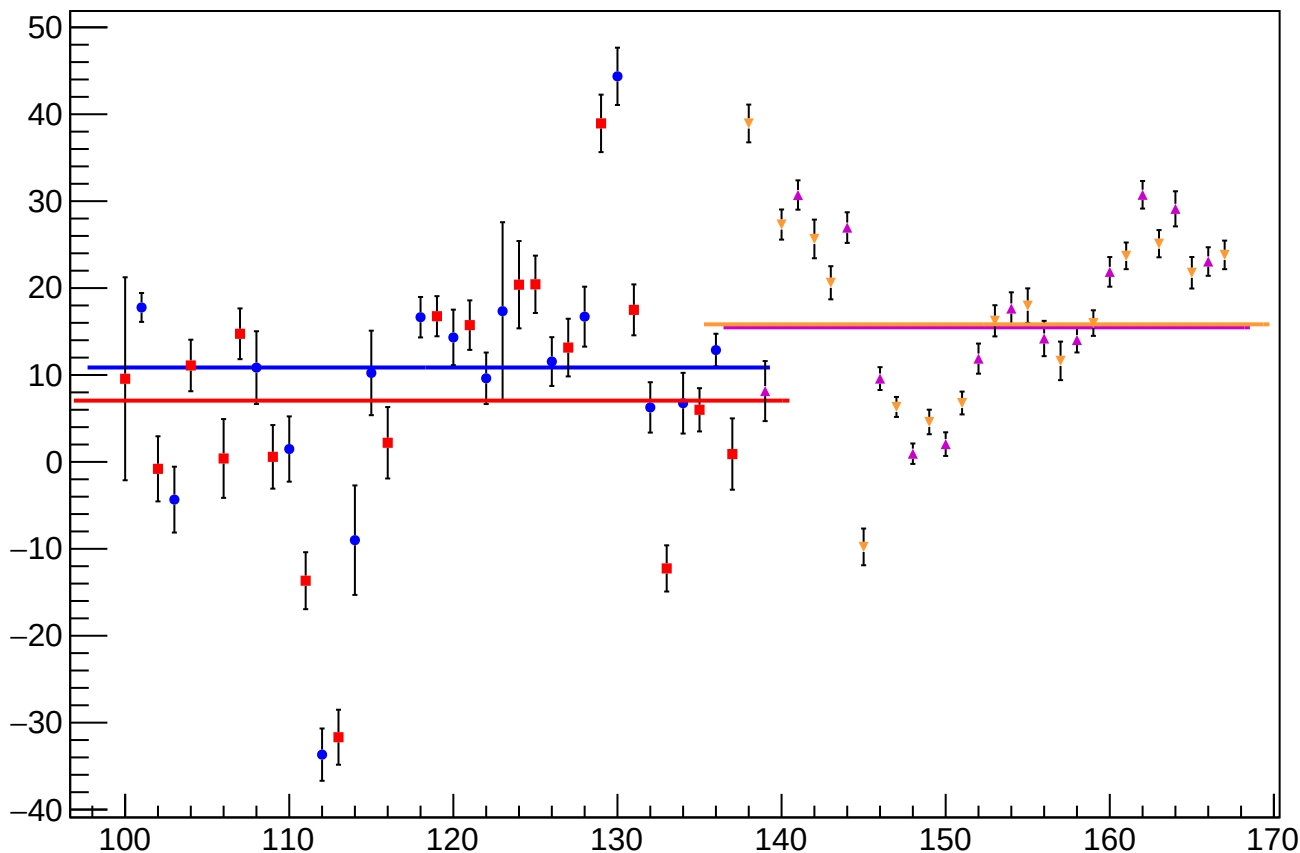
Right: 157.935 $\pm$ 0.823 χ^2 /NDF: 4009.6/35

In: 128.731 $\pm$ 0.470 χ^2 /NDF:3868.4/30

Out: 129.641 $\pm$ 0.461 χ^2 /NDF:3700.3/34

All: 129.195 $\pm$ 0.329 χ^2 /NDF: 7570.6/65

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: 15.483 $\pm$ 0.434 χ^2 /NDF: 579.3/13

Left: 15.663 $\pm$ 0.300 χ^2 /NDF: 1189.4/29

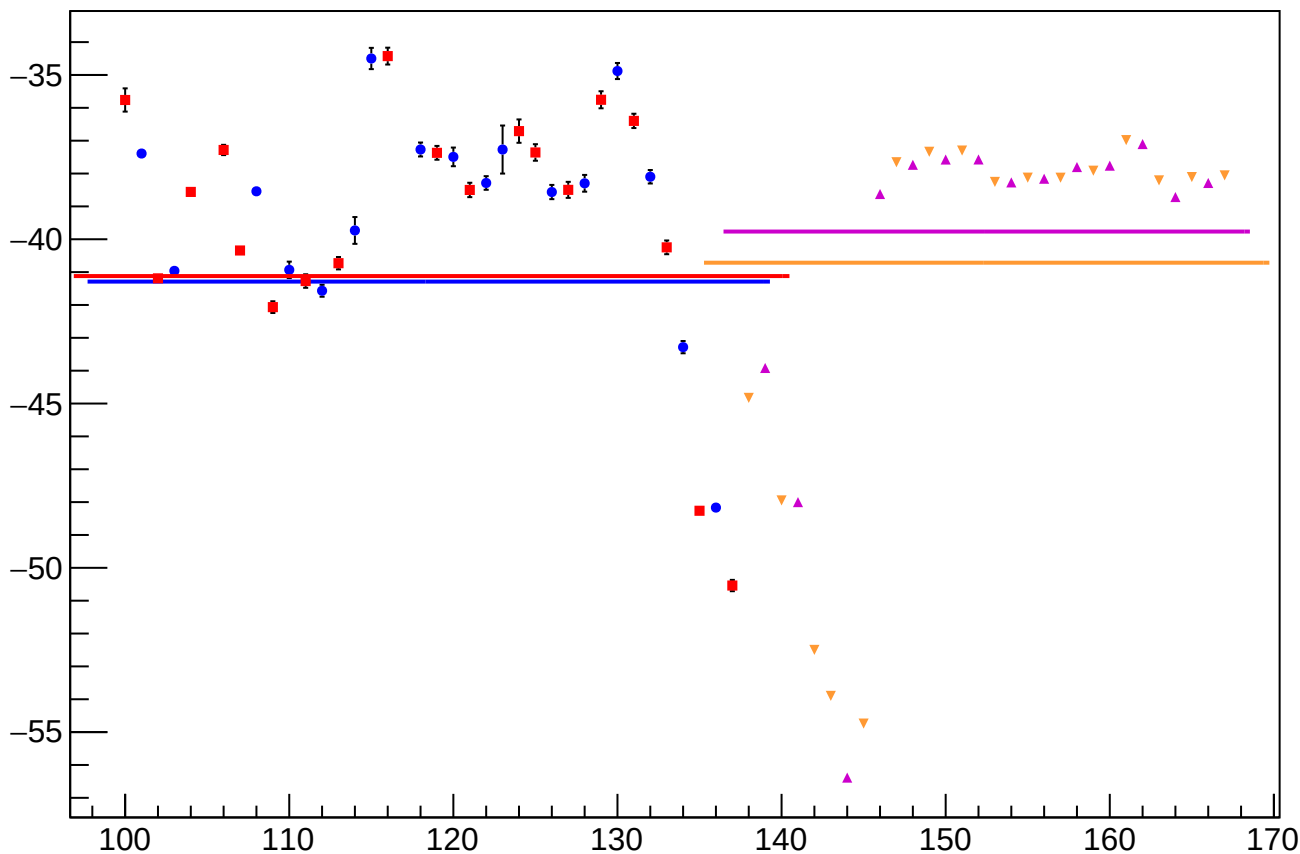
Right: 9.031 $\pm$ 0.518 χ^2 /NDF: 826.1/35

In: 14.250 $\pm$ 0.372 χ^2 /NDF: 997.5/30

Out: 13.764 $\pm$ 0.362 χ^2 /NDF: 1139.8/34

All: 14.001 $\pm$ 0.260 χ^2 /NDF: 2138.2/65

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: -39.765 ± 0.021 $\chi^2/\text{NDF}: 48558.0/13$

Left: -40.254 ± 0.014 $\chi^2/\text{NDF}: 127891.3/29$

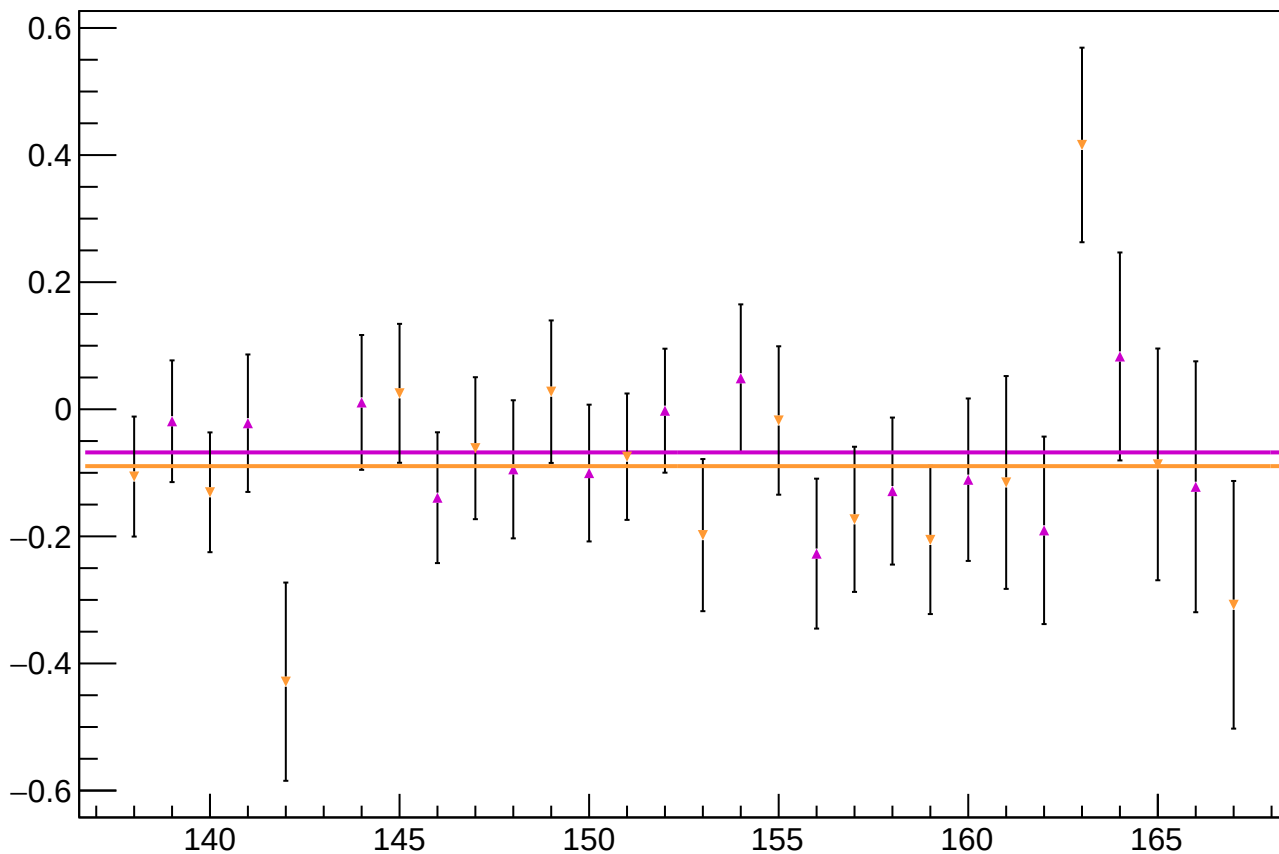
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24629.1/35$

In: -40.102 ± 0.018 $\chi^2/\text{NDF}: 62279.5/30$

Out: -40.799 ± 0.018 $\chi^2/\text{NDF}: 90436.5/34$

All: -40.459 ± 0.013 $\chi^2/\text{NDF}: 153470.5/65$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.089 $\pm$ 0.031 χ^2 /NDF:22.1/14

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

Left In: -0.068 $\pm$ 0.031 χ^2 /NDF:6.9/13

Left: -0.079 $\pm$ 0.022 χ^2 /NDF: 29.3/28

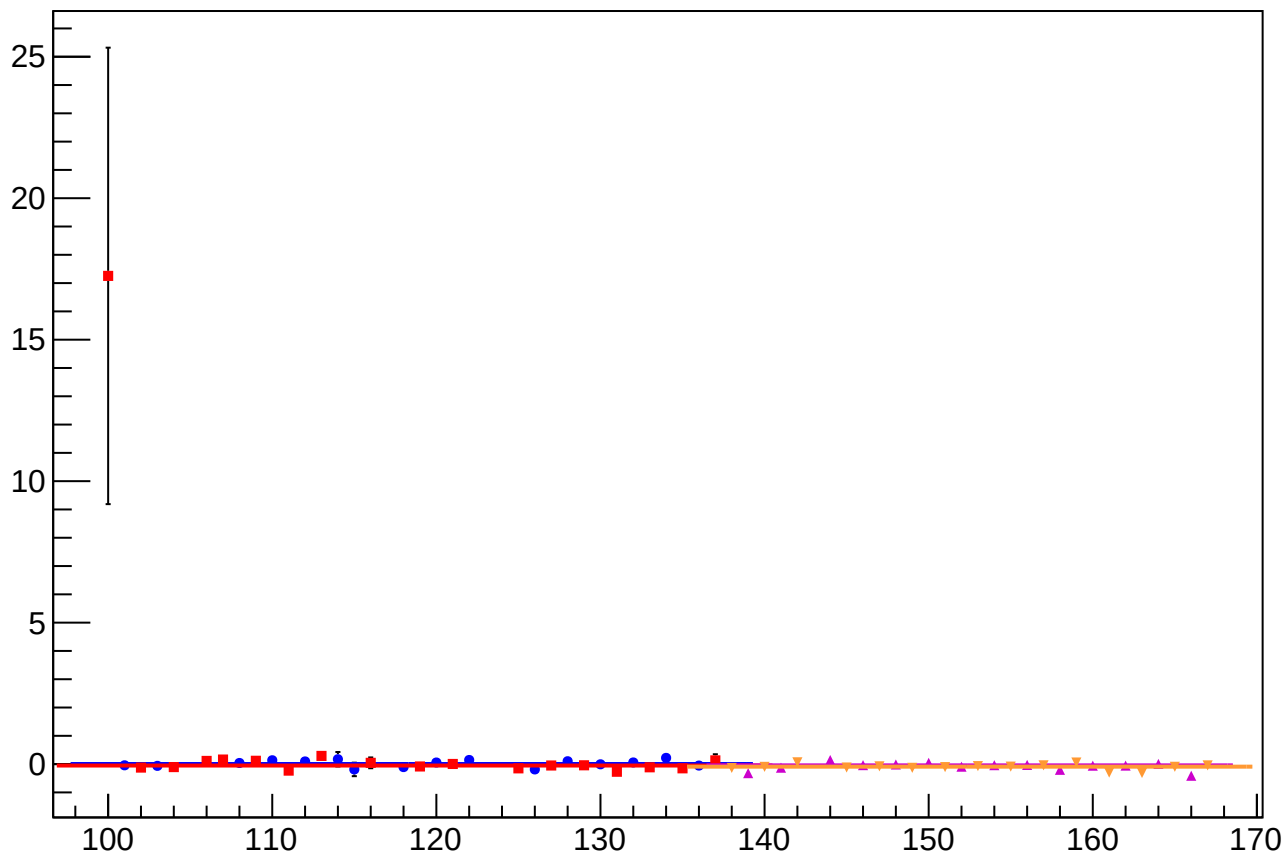
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.068 $\pm$ 0.031 χ^2 /NDF:6.9/13

Out: -0.089 $\pm$ 0.031 χ^2 /NDF:22.1/14

All: -0.079 $\pm$ 0.022 χ^2 /NDF: 29.3/28

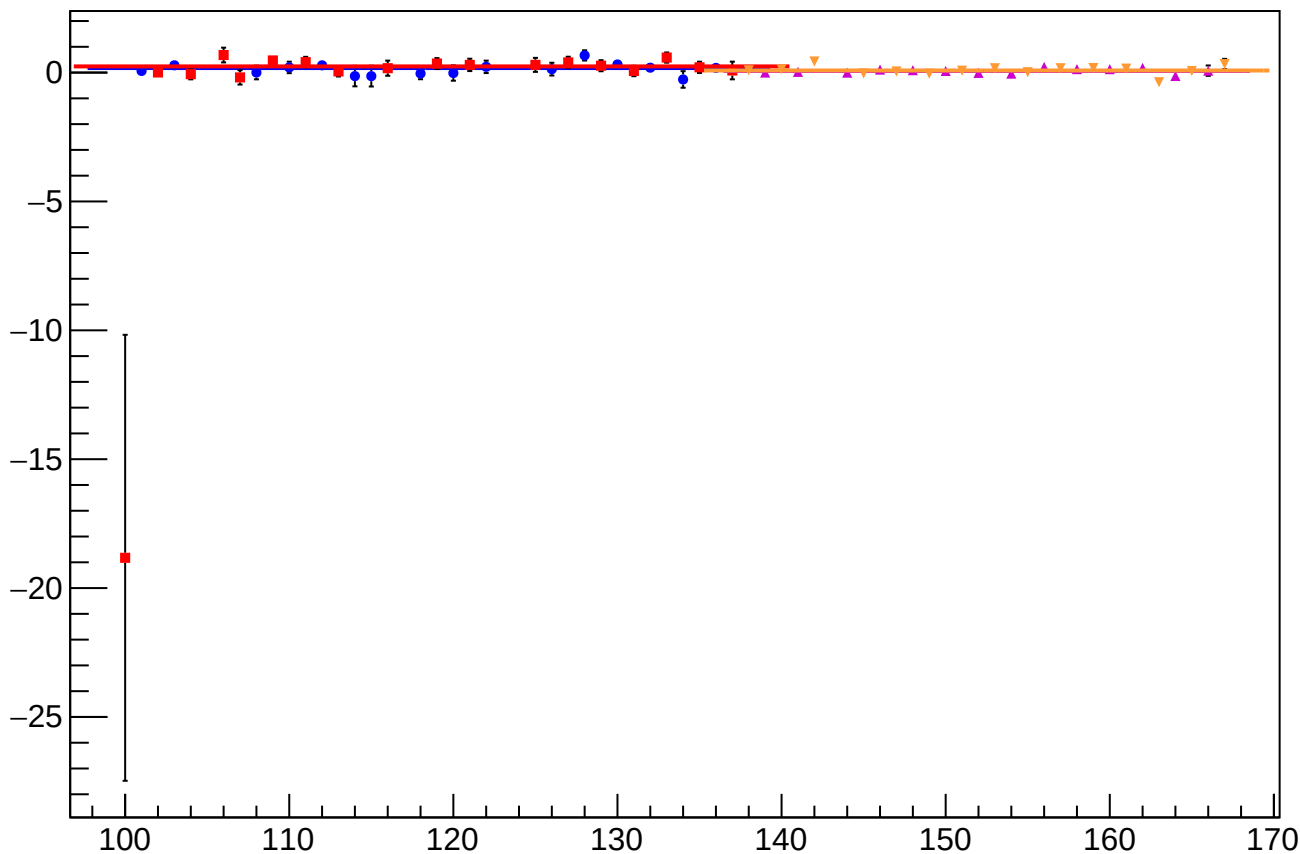
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -0.044 ± 0.022 $\chi^2/\text{NDF}: 20.5/13$

Left: -0.067 ± 0.015 $\chi^2/\text{NDF}: 36.4/28$
 Right: -0.023 ± 0.020 $\chi^2/\text{NDF}: 39.7/33$
 In: -0.027 ± 0.017 $\chi^2/\text{NDF}: 34.6/29$
 Out: -0.076 ± 0.017 $\chi^2/\text{NDF}: 40.5/32$
 All: -0.051 ± 0.012 $\chi^2/\text{NDF}: 79.2/62$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.080 $\pm$ 0.030 χ^2 /NDF:20.9/14

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

Left In: 0.063 $\pm$ 0.030 χ^2 /NDF:7.7/13

Left: 0.072 $\pm$ 0.021 χ^2 /NDF: 28.8/28

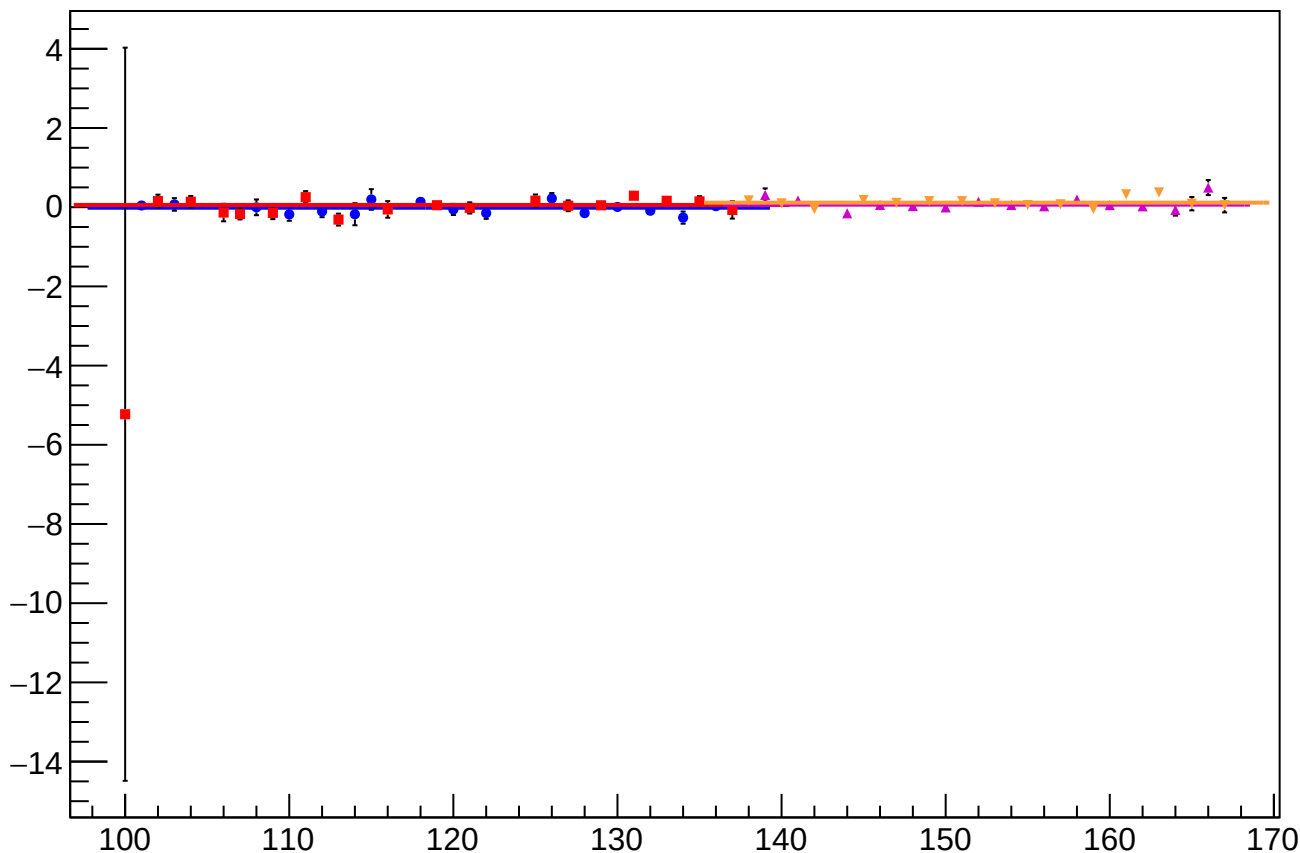
Right: 0.207 $\pm$ 0.038 χ^2 /NDF: 35.3/33

In: 0.091 $\pm$ 0.026 χ^2 /NDF:24.2/29

Out: 0.119 $\pm$ 0.026 χ^2 /NDF:49.1/32

All: 0.105 $\pm$ 0.019 χ^2 /NDF: 73.8/62

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: 0.064 ± 0.026 χ^2/NDF : 19.8/13

Left: 0.090 ± 0.018 χ^2/NDF : 36.3/28

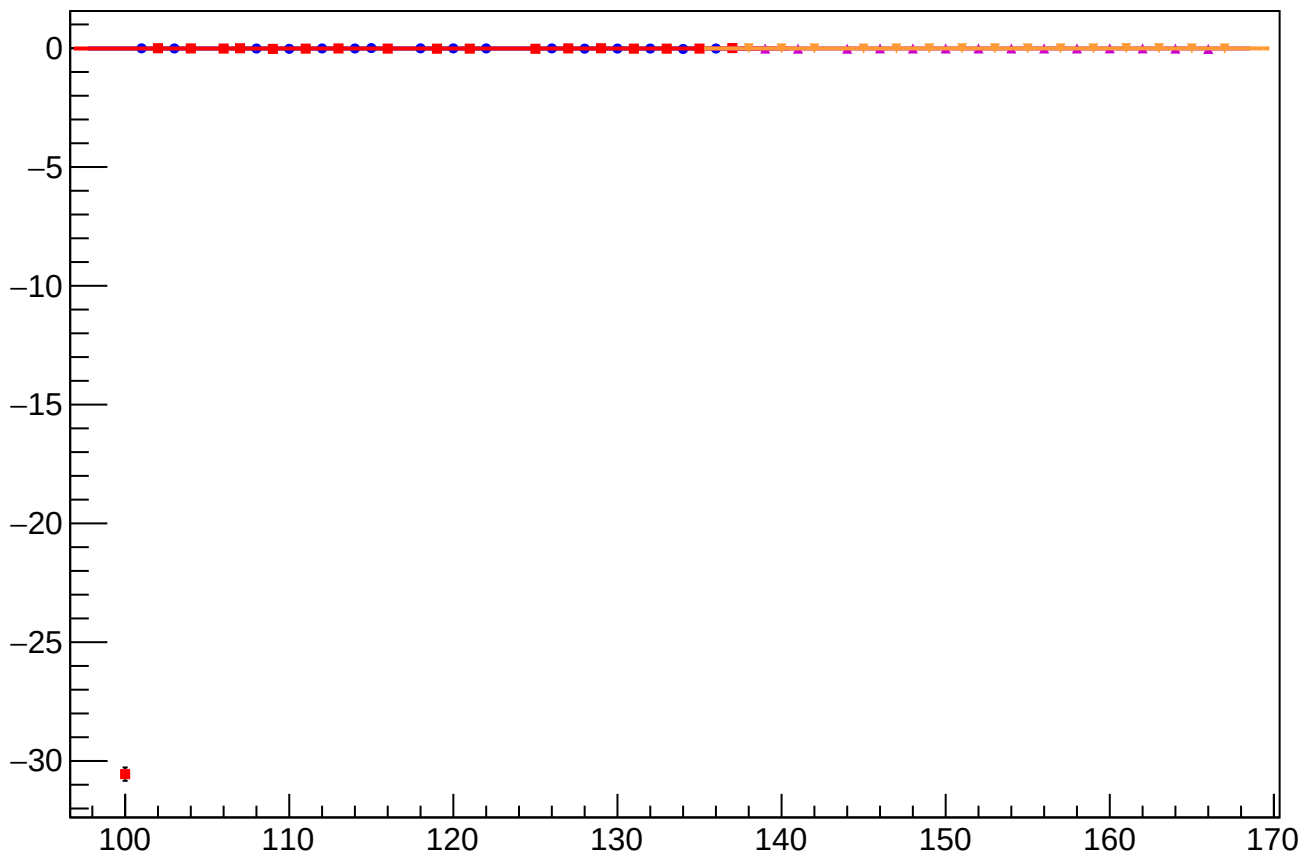
Right: 0.021 ± 0.024 χ^2/NDF : 36.2/33

In: 0.035 ± 0.020 χ^2/NDF : 36.9/29

Out: 0.094 ± 0.020 χ^2/NDF : 36.8/32

All: 0.064 ± 0.014 χ^2/NDF : 77.8/62

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 12.5/14

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.4/17

Left In: -0.011 ± 0.001 χ^2/NDF : 16.3/13

Left: -0.010 ± 0.001 χ^2/NDF : 31.2/28

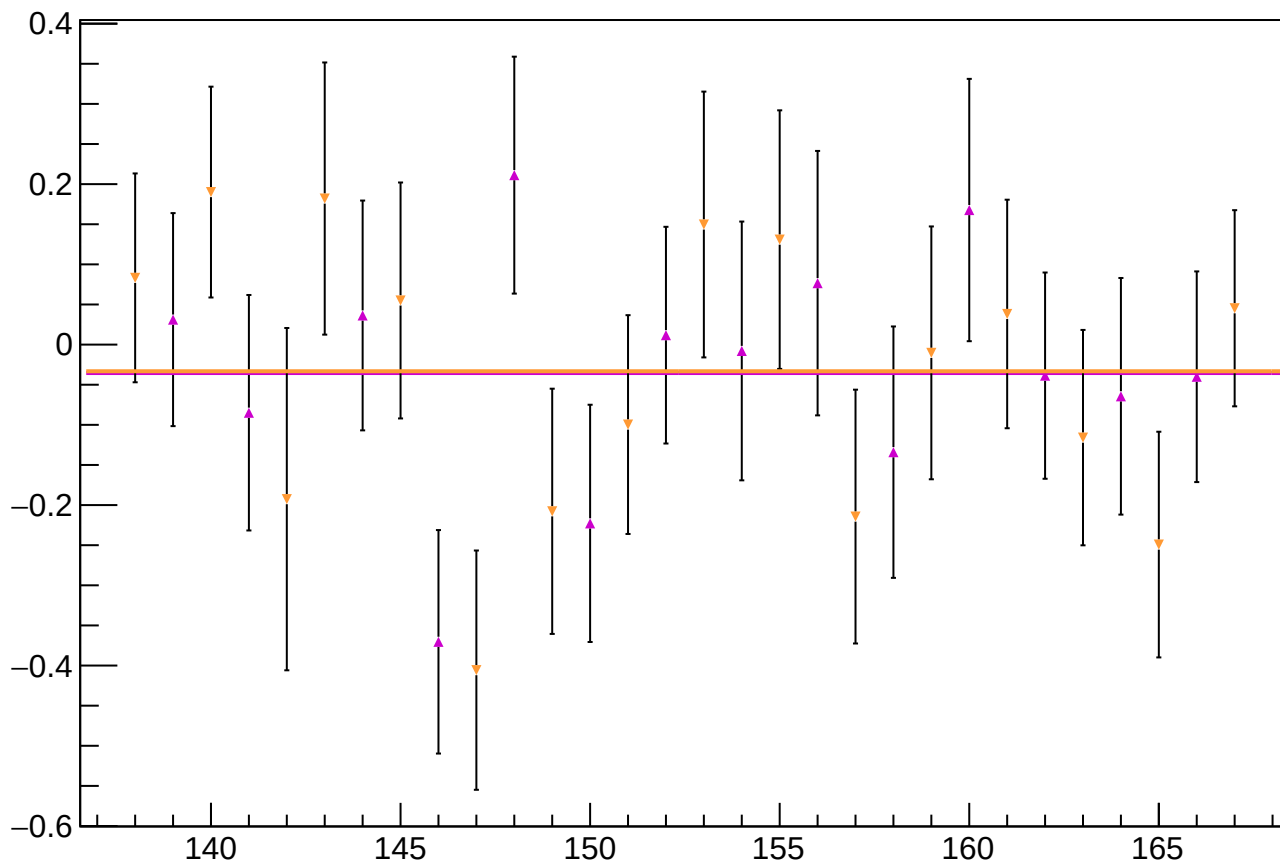
Right: -0.012 ± 0.001 χ^2/NDF : 11904.1/33

In: -0.011 ± 0.001 χ^2/NDF : 29.3/29

Out: -0.009 ± 0.001 χ^2/NDF : 11906.9/32

All: -0.010 ± 0.001 χ^2/NDF : 11937.7/62

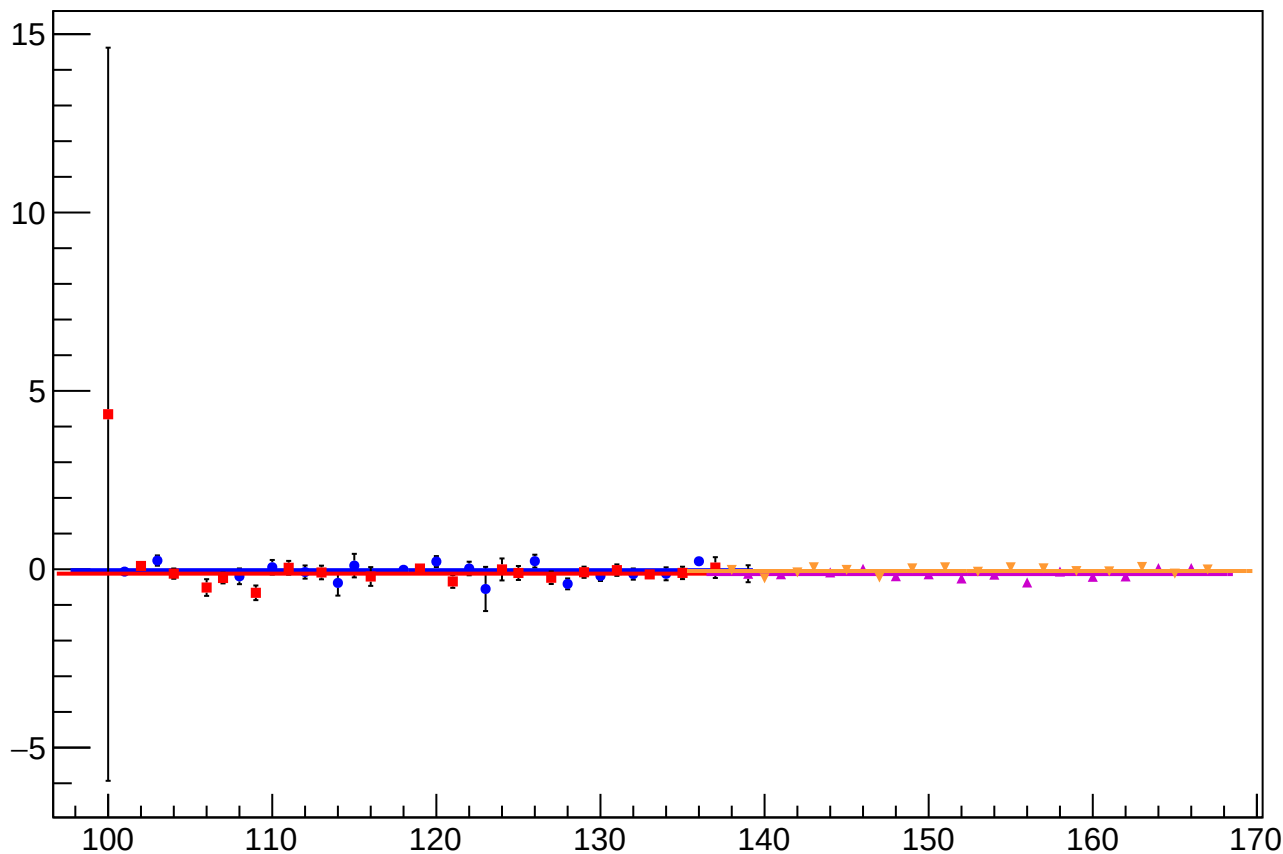
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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: -0.035 $\pm$ 0.039 χ^2 /NDF:13.4/13

Left: -0.034 $\pm$ 0.027 χ^2 /NDF: 34.4/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.035 $\pm$ 0.039 χ^2 /NDF:13.4/13
 Out: -0.033 $\pm$ 0.037 χ^2 /NDF:21.0/15
 All: -0.034 $\pm$ 0.027 χ^2 /NDF: 34.4/29

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 $\chi^2/\text{NDF}: 22.7/16$

Left Out: -0.050 ± 0.026 $\chi^2/\text{NDF}: 16.5/15$

Right Out: -0.124 ± 0.039 $\chi^2/\text{NDF}: 18.3/18$

Left In: -0.136 ± 0.028 $\chi^2/\text{NDF}: 15.1/13$

Left: -0.090 ± 0.019 $\chi^2/\text{NDF}: 36.7/29$

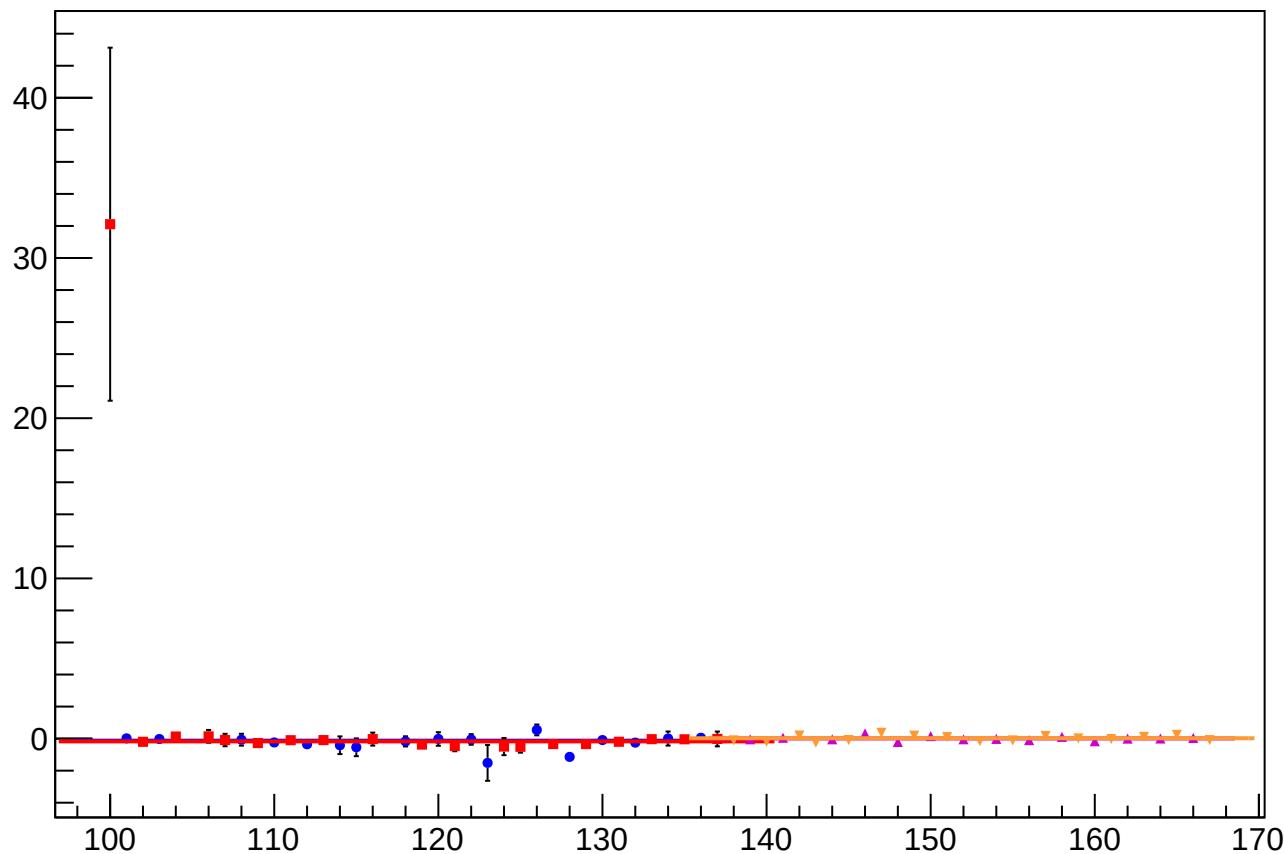
Right: -0.072 ± 0.027 $\chi^2/\text{NDF}: 44.3/35$

In: -0.096 ± 0.022 $\chi^2/\text{NDF}: 43.4/30$

Out: -0.072 ± 0.022 $\chi^2/\text{NDF}: 37.3/34$

All: -0.084 ± 0.016 $\chi^2/\text{NDF}: 81.3/65$

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.1/16$

Left Out: 0.024 ± 0.036 $\chi^2/\text{NDF}: 20.9/15$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 14.9/18$

Left In: 0.011 ± 0.038 $\chi^2/\text{NDF}: 12.0/13$

Left: 0.018 ± 0.026 $\chi^2/\text{NDF}: 33.0/29$

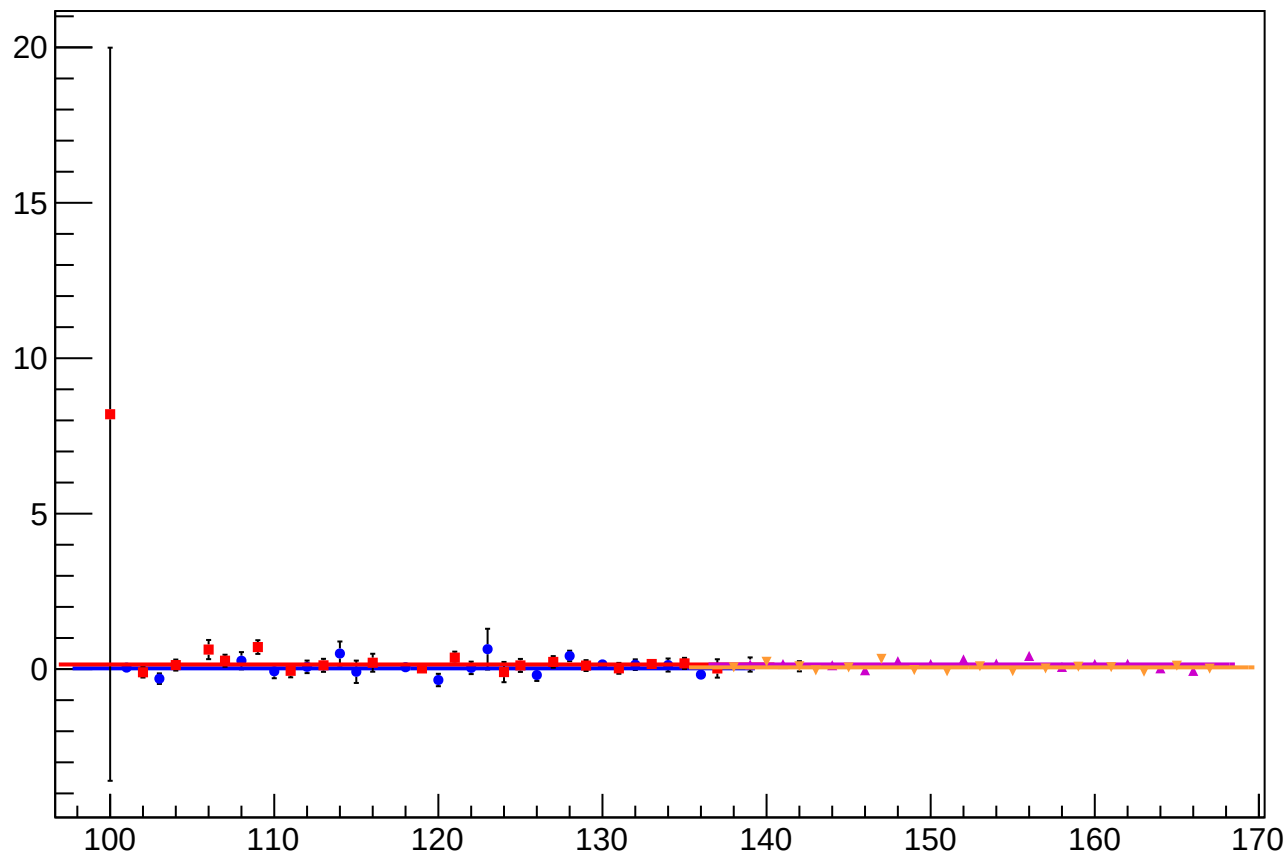
Right: -0.150 ± 0.049 $\chi^2/\text{NDF}: 38.2/35$

In: -0.023 ± 0.033 $\chi^2/\text{NDF}: 38.4/30$

Out: -0.017 ± 0.032 $\chi^2/\text{NDF}: 41.9/34$

All: -0.020 ± 0.023 $\chi^2/\text{NDF}: 80.3/65$

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: 0.149+/-0.032 χ^2/NDF : 14.7/13

Left: 0.099+/-0.022 χ^2/NDF : 34.7/29

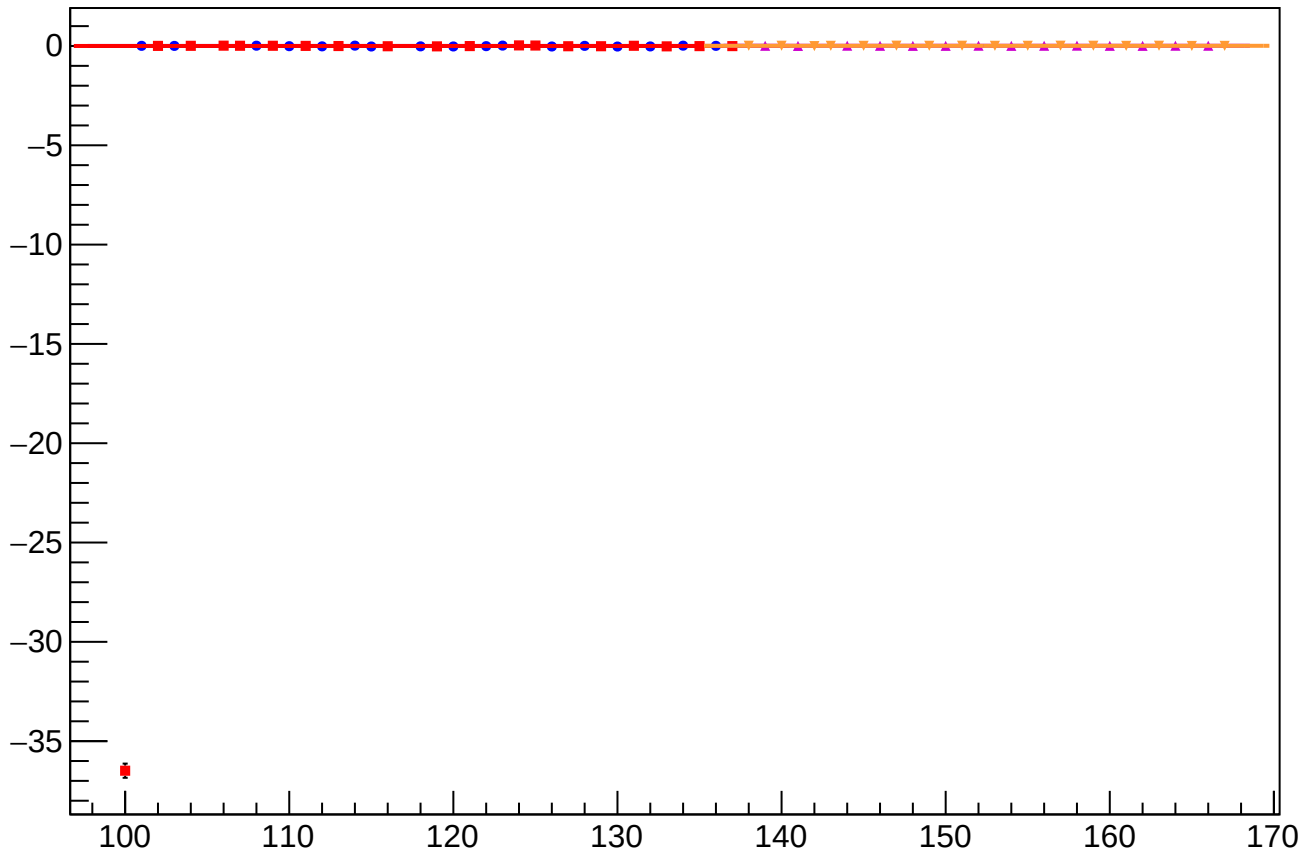
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.103+/-0.026 χ^2/NDF : 41.6/30

Out: 0.084+/-0.025 χ^2/NDF : 35.0/34

All: 0.093+/-0.018 χ^2/NDF : 76.8/65

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: 5.7/13

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 15.7/29

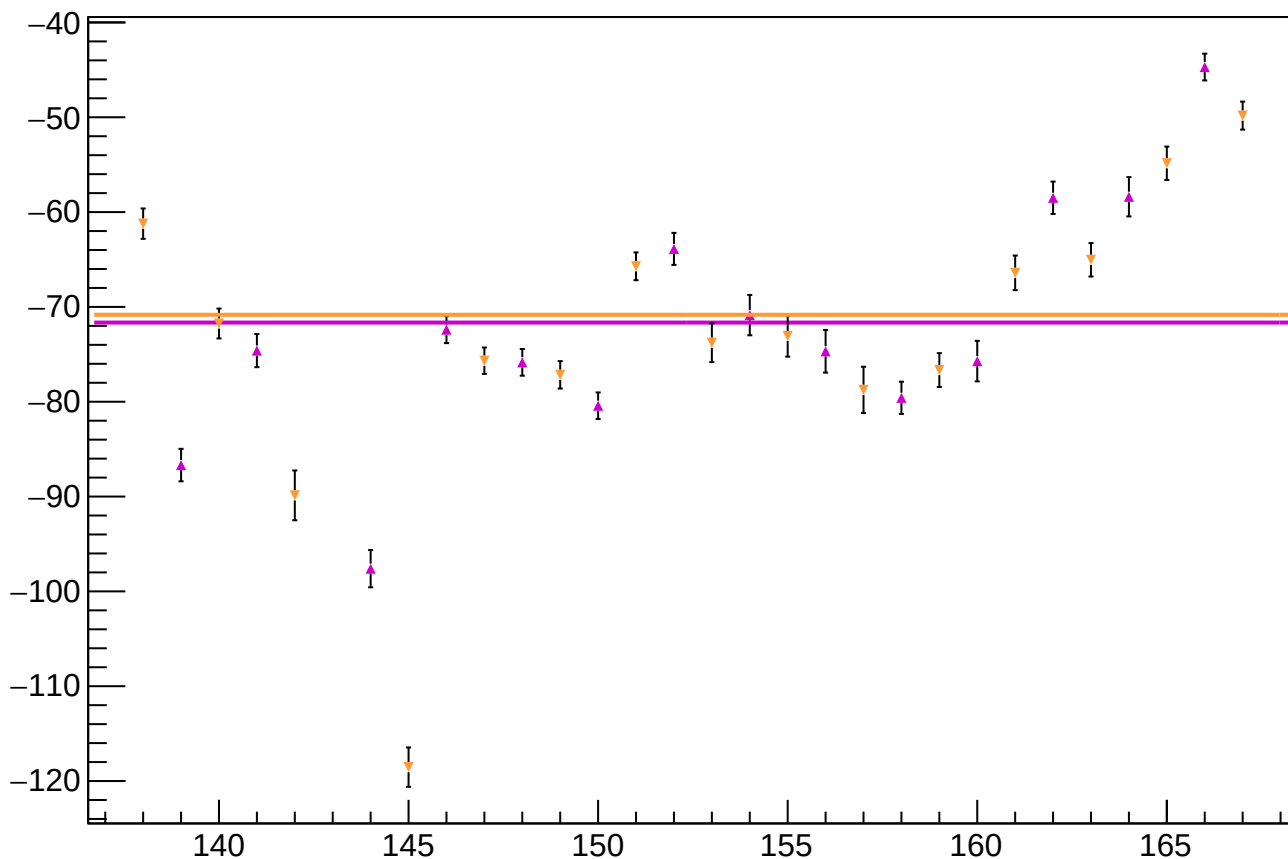
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF: 49.2/30

Out: 0.007 $\pm$ 0.001 χ^2 /NDF: 10468.9/34

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10518.3/65

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



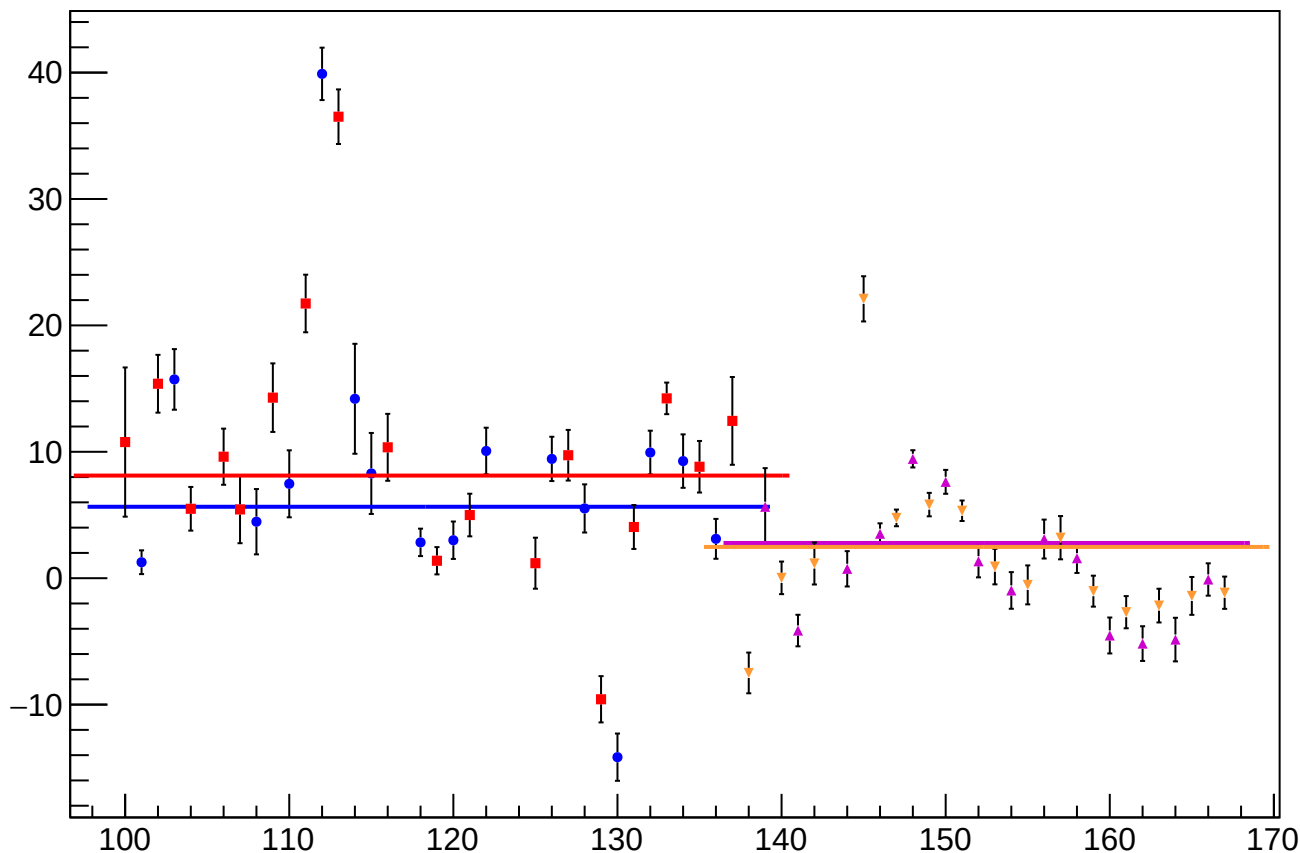
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -70.828+/-0.449 χ^2/NDF :986.4/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -71.651+/-0.454 χ^2/NDF :815.5/13

Left: -71.234+/-0.319 χ^2/NDF : 1803.5/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -71.651+/-0.454 χ^2/NDF :815.5/13
 Out: -70.828+/-0.449 χ^2/NDF :986.4/14

All: -71.234+/-0.319 χ^2/NDF : 1803.5/28

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: 2.786 ± 0.313 $\chi^2/\text{NDF}: 250.0/13$

Left: 2.626 ± 0.218 $\chi^2/\text{NDF}: 507.8/28$

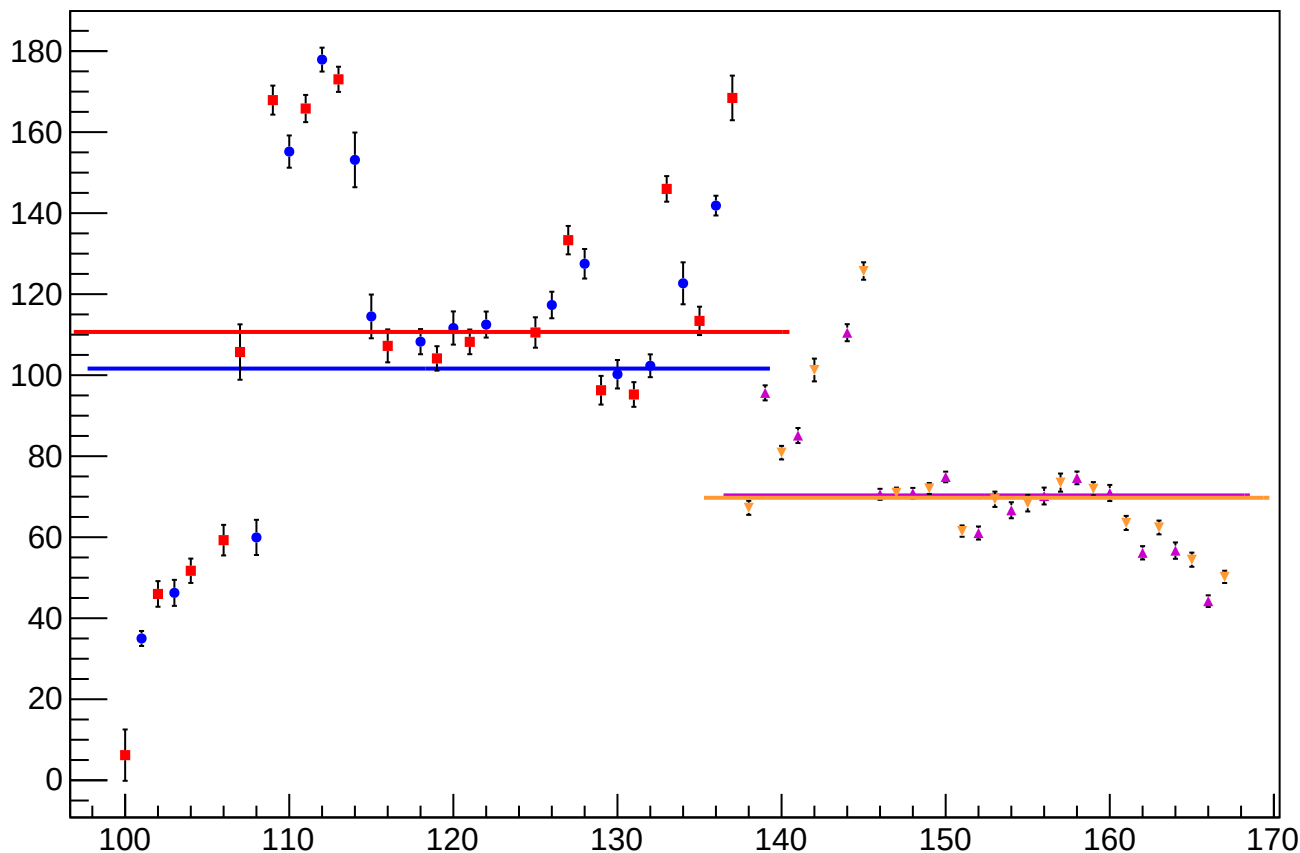
Right: 6.819 ± 0.311 $\chi^2/\text{NDF}: 885.4/33$

In: 3.781 ± 0.253 $\chi^2/\text{NDF}: 741.0/29$

Out: 4.229 ± 0.252 $\chi^2/\text{NDF}: 772.4/32$

All: 4.005 ± 0.179 $\chi^2/\text{NDF}: 1515.0/62$

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: 70.318 $\pm$ 0.441 χ^2/NDF : 1119.6/13

Left: 70.024 $\pm$ 0.311 χ^2/NDF : 2285.6/28

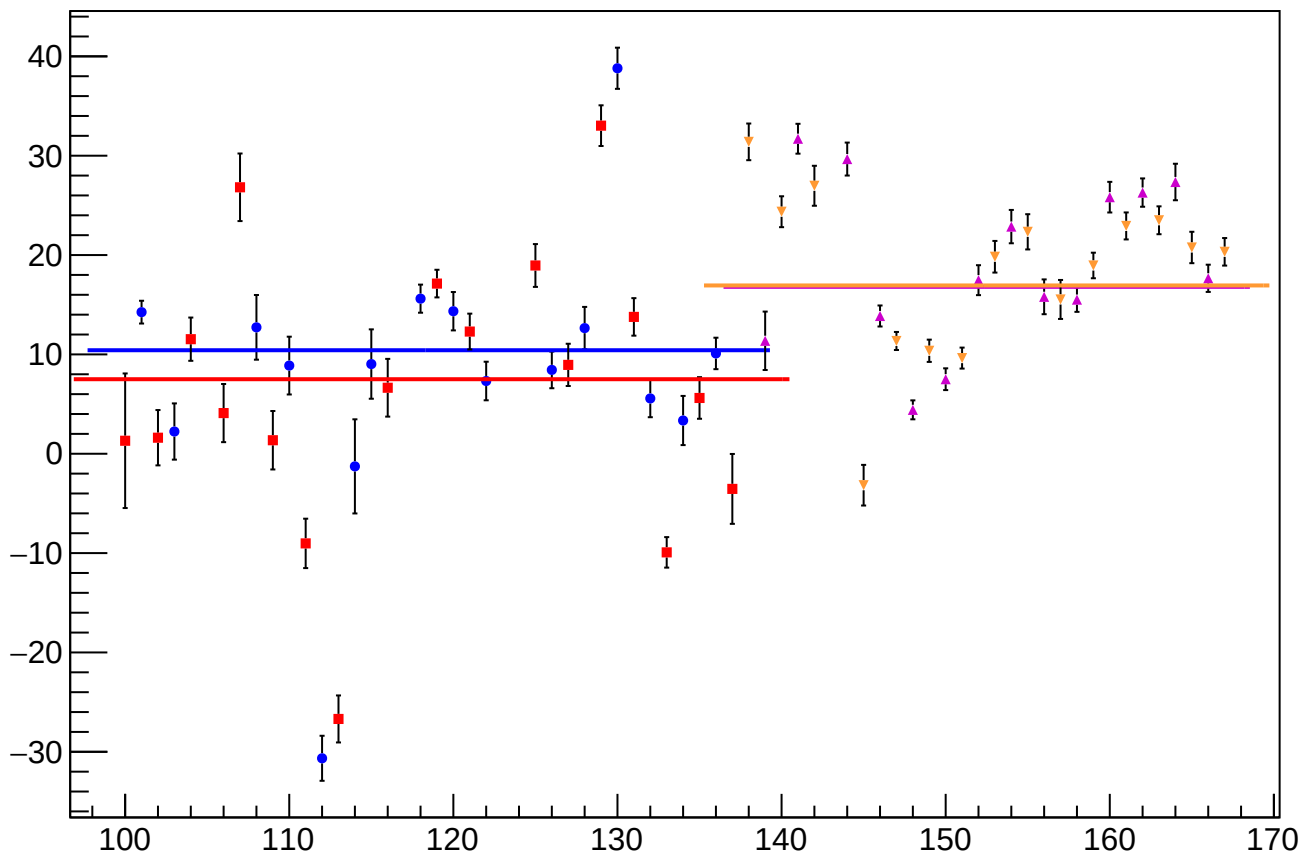
Right: 106.018 $\pm$ 0.583 χ^2/NDF : 5554.3/33

In: 77.461 $\pm$ 0.388 χ^2/NDF : 5247.4/29

Out: 78.556 $\pm$ 0.388 χ^2/NDF : 5559.5/32

All: 78.008 $\pm$ 0.274 χ^2/NDF : 10810.9/62

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: 16.799 $\pm$ 0.371 χ^2 /NDF: 536.9/13

Left: 16.871 $\pm$ 0.259 χ^2 /NDF: 931.3/28

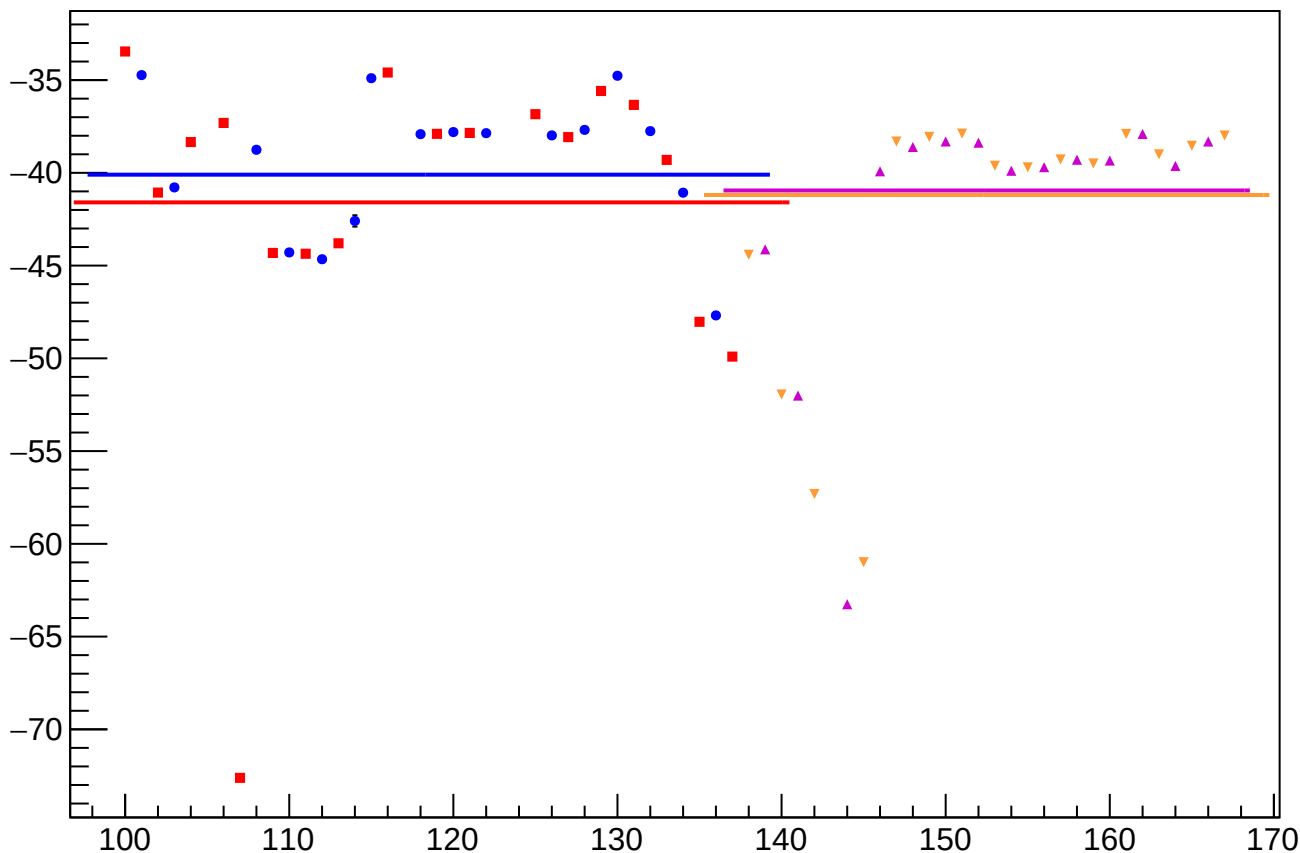
Right: 9.035 $\pm$ 0.360 χ^2 /NDF: 1285.5/33

In: 14.520 $\pm$ 0.297 χ^2 /NDF: 1222.3/29

Out: 13.889 $\pm$ 0.298 χ^2 /NDF: 1304.0/32

All: 14.204 $\pm$ 0.210 χ^2 /NDF: 2528.6/62

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -41.194 ± 0.018 χ^2/NDF : 116134.7/14

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

Left In: -40.951 ± 0.018 χ^2/NDF : 94364.1/13

Left: -41.073 ± 0.012 χ^2/NDF : 210594.2/28

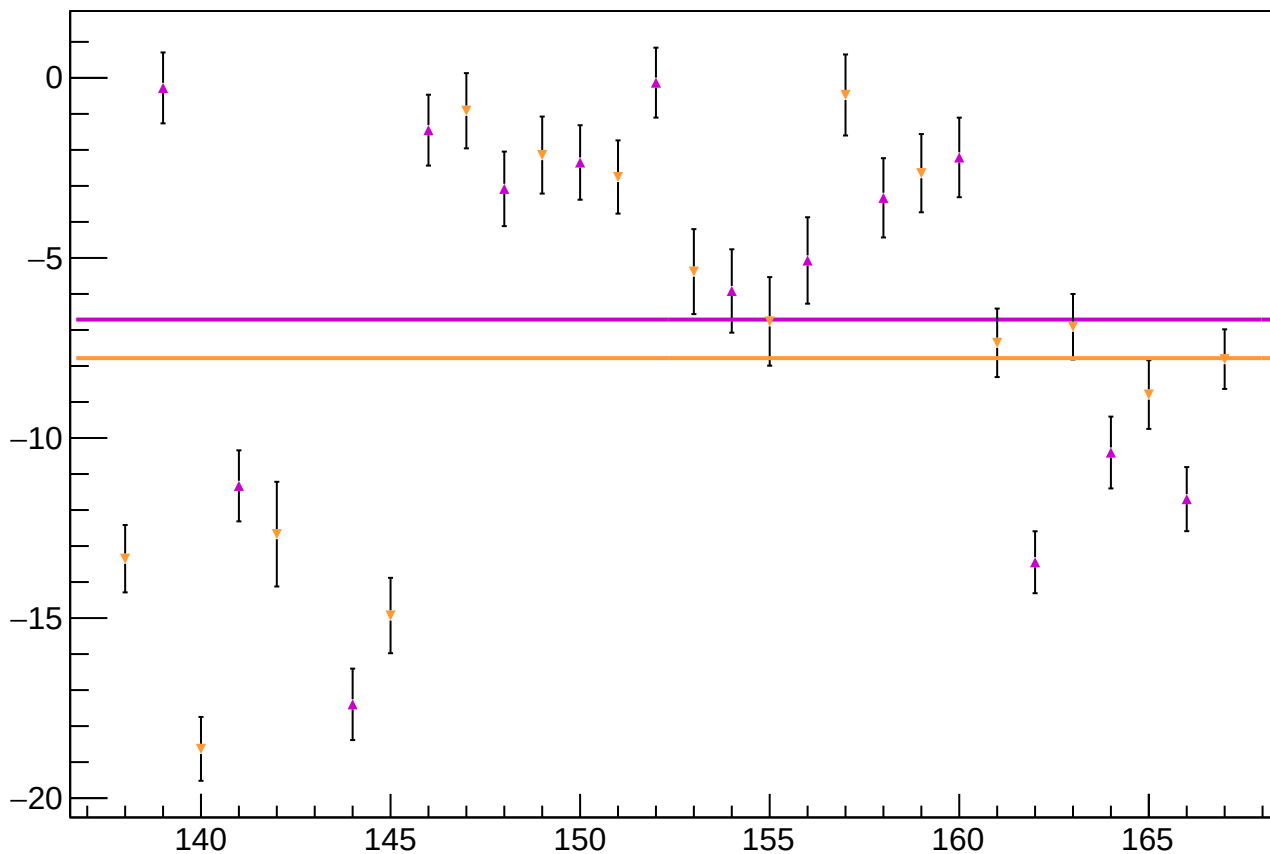
Right: -40.838 ± 0.020 χ^2/NDF : 88129.3/33

In: -40.712 ± 0.015 χ^2/NDF : 120089.4/29

Out: -41.303 ± 0.015 χ^2/NDF : 177953.0/32

All: -41.008 ± 0.011 χ^2/NDF : 298822.3/62

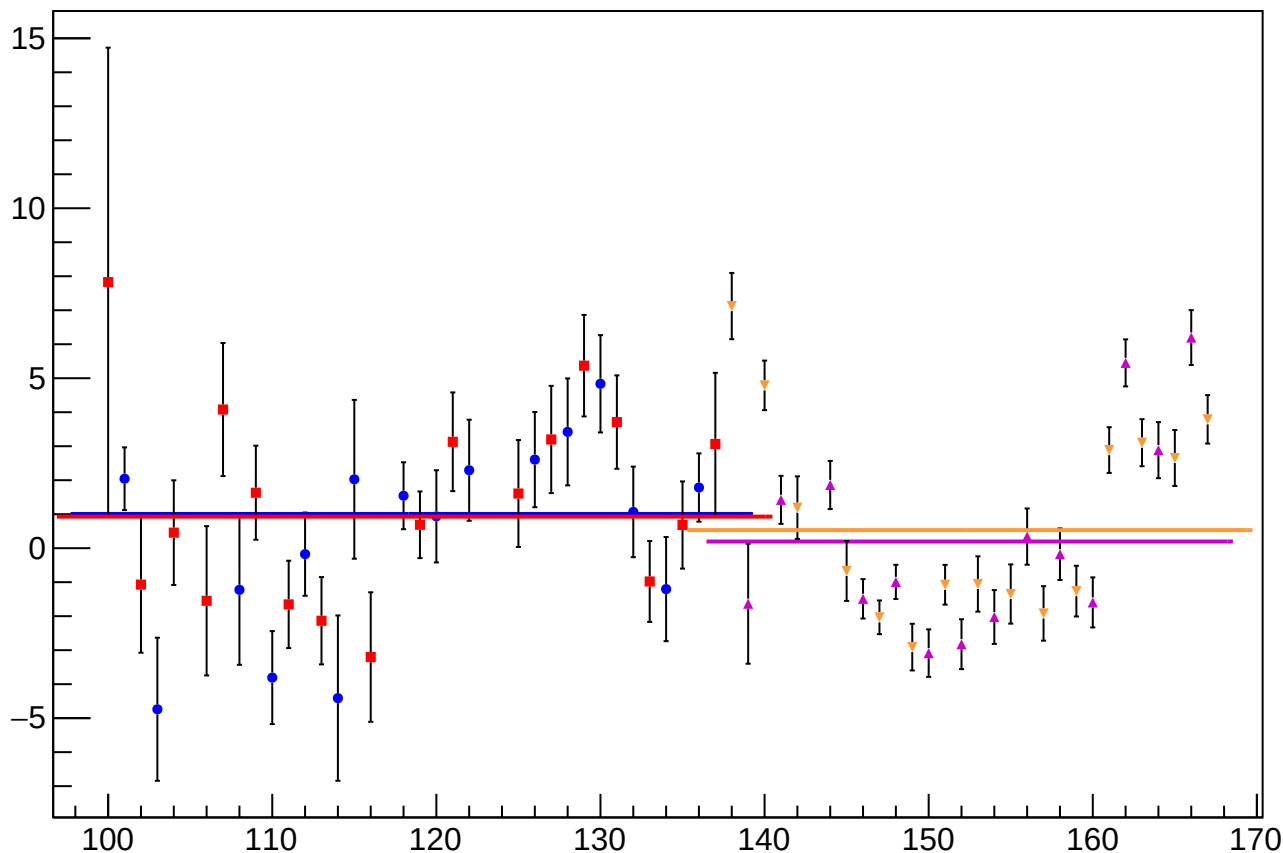
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.782 $\pm$ 0.263 χ^2 /NDF:410.3/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.711 $\pm$ 0.270 χ^2 /NDF:420.0/13

Left: -7.260 $\pm$ 0.188 χ^2 /NDF: 838.4/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.711 $\pm$ 0.270 χ^2 /NDF:420.0/13
 Out: -7.782 $\pm$ 0.263 χ^2 /NDF:410.3/14
 All: -7.260 $\pm$ 0.188 χ^2 /NDF: 838.4/28

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: 0.196 ± 0.193 $\chi^2/\text{NDF}: 200.3/13$

Left: 0.368 ± 0.134 $\chi^2/\text{NDF}: 420.8/28$

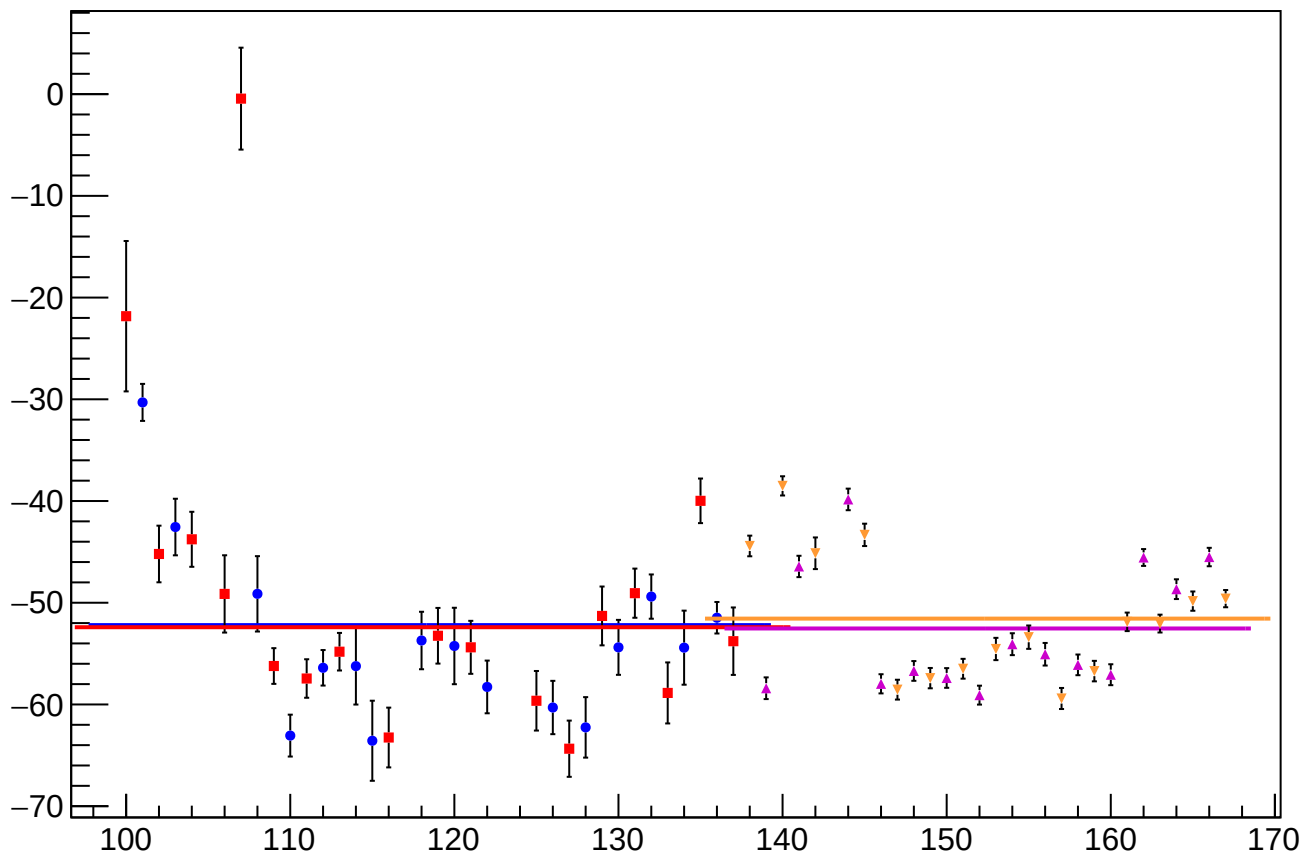
Right: 0.969 ± 0.246 $\chi^2/\text{NDF}: 84.6/33$

In: 0.392 ± 0.168 $\chi^2/\text{NDF}: 247.3/29$

Out: 0.619 ± 0.166 $\chi^2/\text{NDF}: 261.8/32$

All: 0.507 ± 0.118 $\chi^2/\text{NDF}: 510.0/62$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 $\chi^2/\text{NDF}: 230.6/15$

Left Out: -51.561 ± 0.258 $\chi^2/\text{NDF}: 527.6/14$

Right Out: -52.407 ± 0.616 $\chi^2/\text{NDF}: 233.9/17$

Left In: -52.531 ± 0.263 $\chi^2/\text{NDF}: 520.1/13$

Left: -52.037 ± 0.184 $\chi^2/\text{NDF}: 1054.5/28$

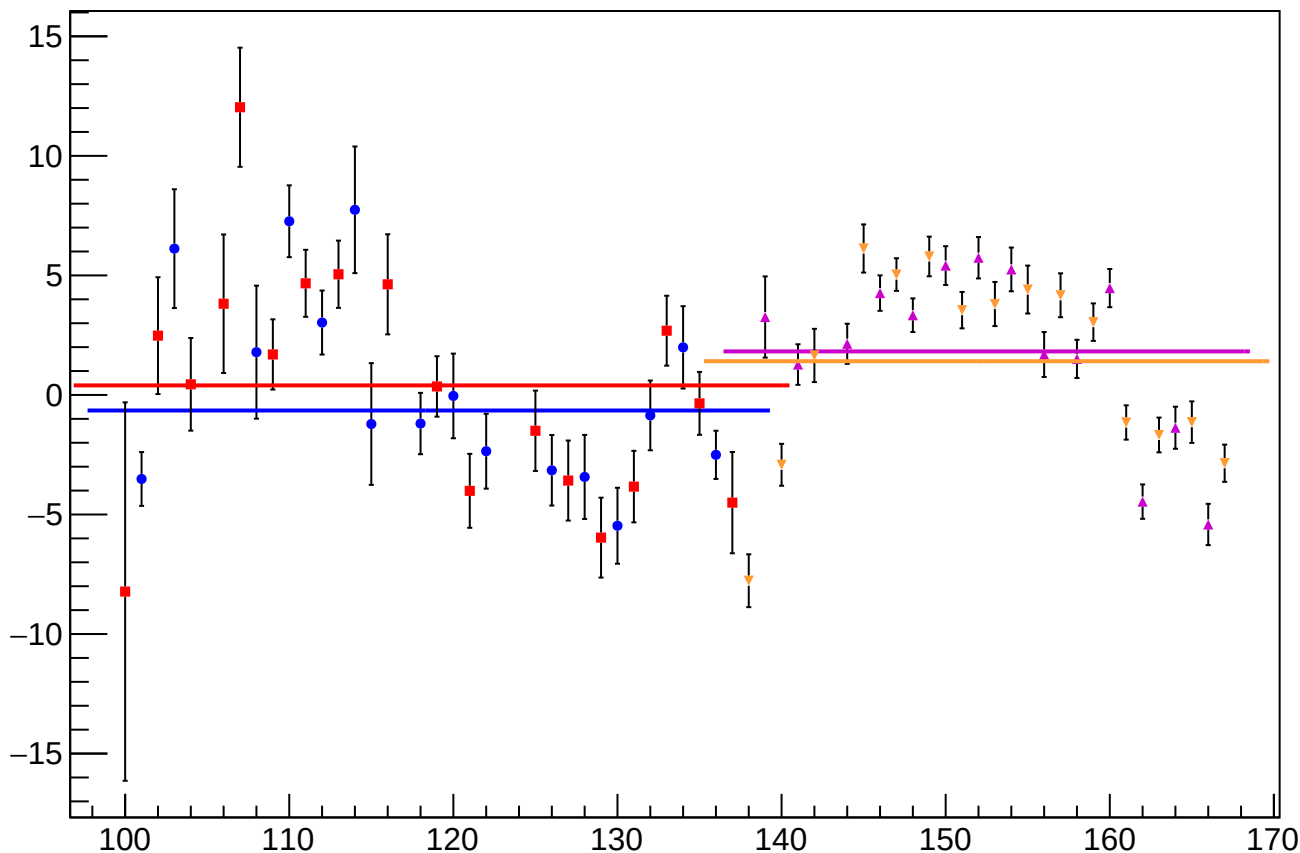
Right: -52.303 ± 0.435 $\chi^2/\text{NDF}: 464.6/33$

In: -52.480 ± 0.242 $\chi^2/\text{NDF}: 750.9/29$

Out: -51.688 ± 0.238 $\chi^2/\text{NDF}: 763.1/32$

All: -52.077 ± 0.170 $\chi^2/\text{NDF}: 1519.4/62$

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: 1.821 ± 0.224 χ^2/NDF : 241.9/13

Left: 1.610 ± 0.156 χ^2/NDF : 521.5/28

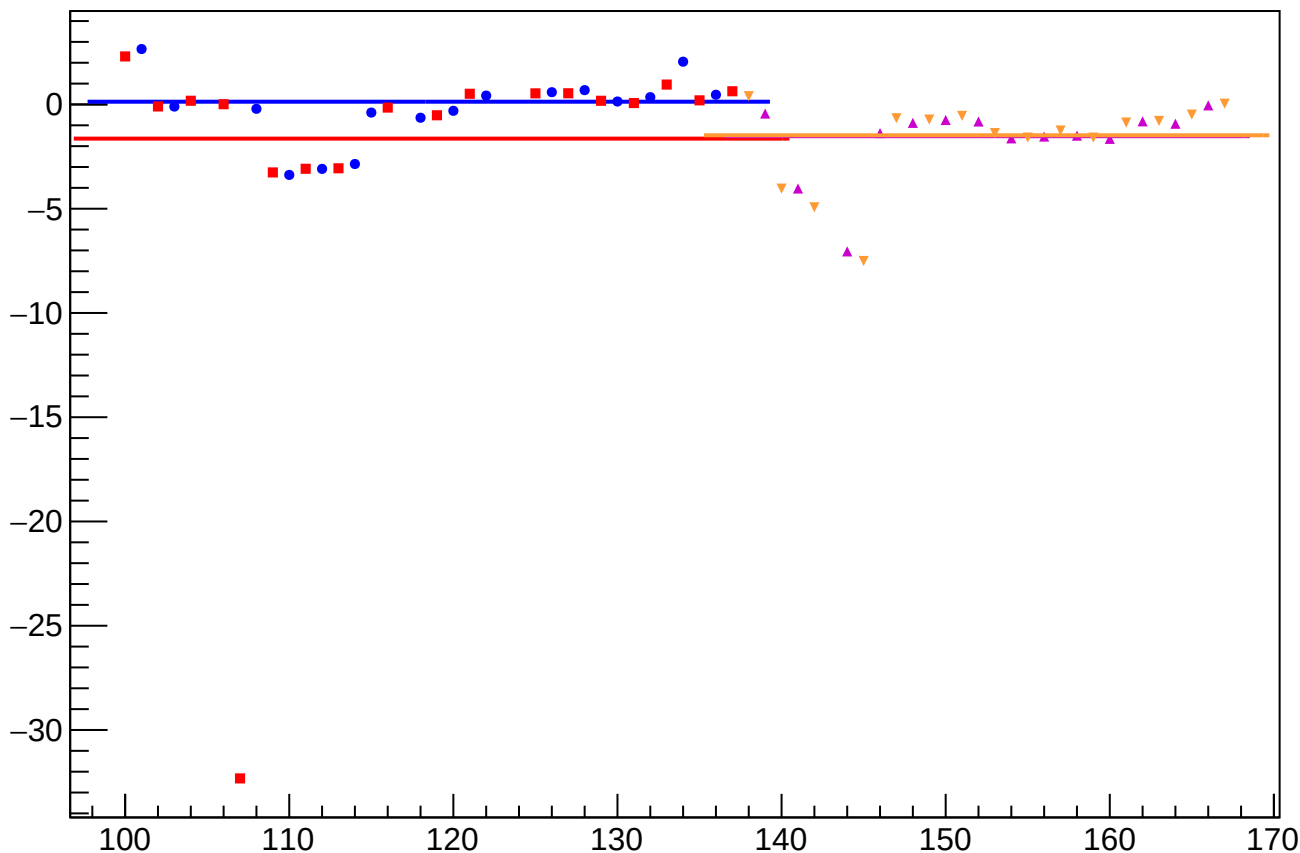
Right: -0.142 ± 0.278 χ^2/NDF : 181.4/33

In: 1.199 ± 0.194 χ^2/NDF : 354.4/29

Out: 1.179 ± 0.191 χ^2/NDF : 378.7/32

All: 1.189 ± 0.136 χ^2/NDF : 733.0/62

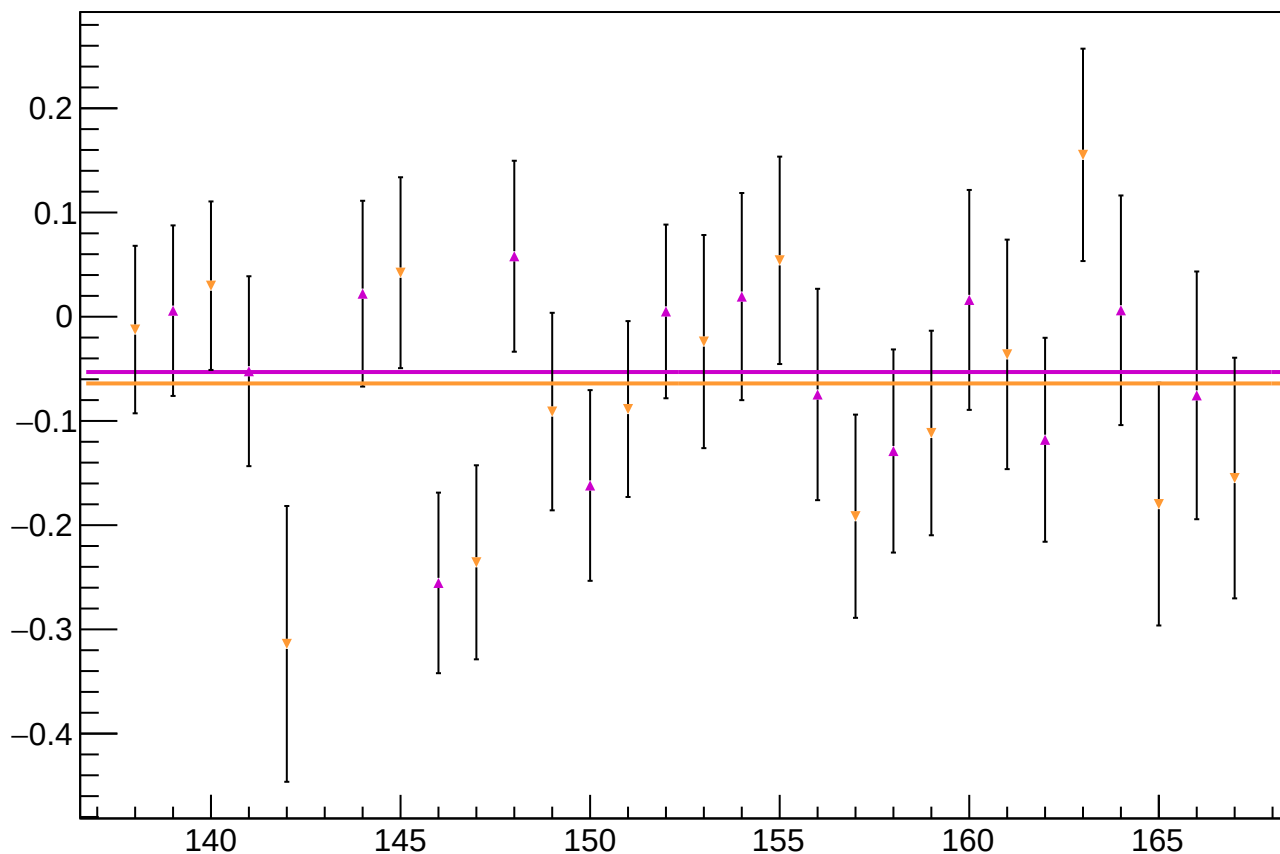
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -1.522 ± 0.010 $\chi^2/\text{NDF}: 21605.5/13$

Left: -1.500 ± 0.007 $\chi^2/\text{NDF}: 54761.4/28$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -1.209 ± 0.009 $\chi^2/\text{NDF}: 31623.1/29$
 Out: -1.507 ± 0.009 $\chi^2/\text{NDF}: 111039.2/32$
 All: -1.361 ± 0.007 $\chi^2/\text{NDF}: 143175.7/62$

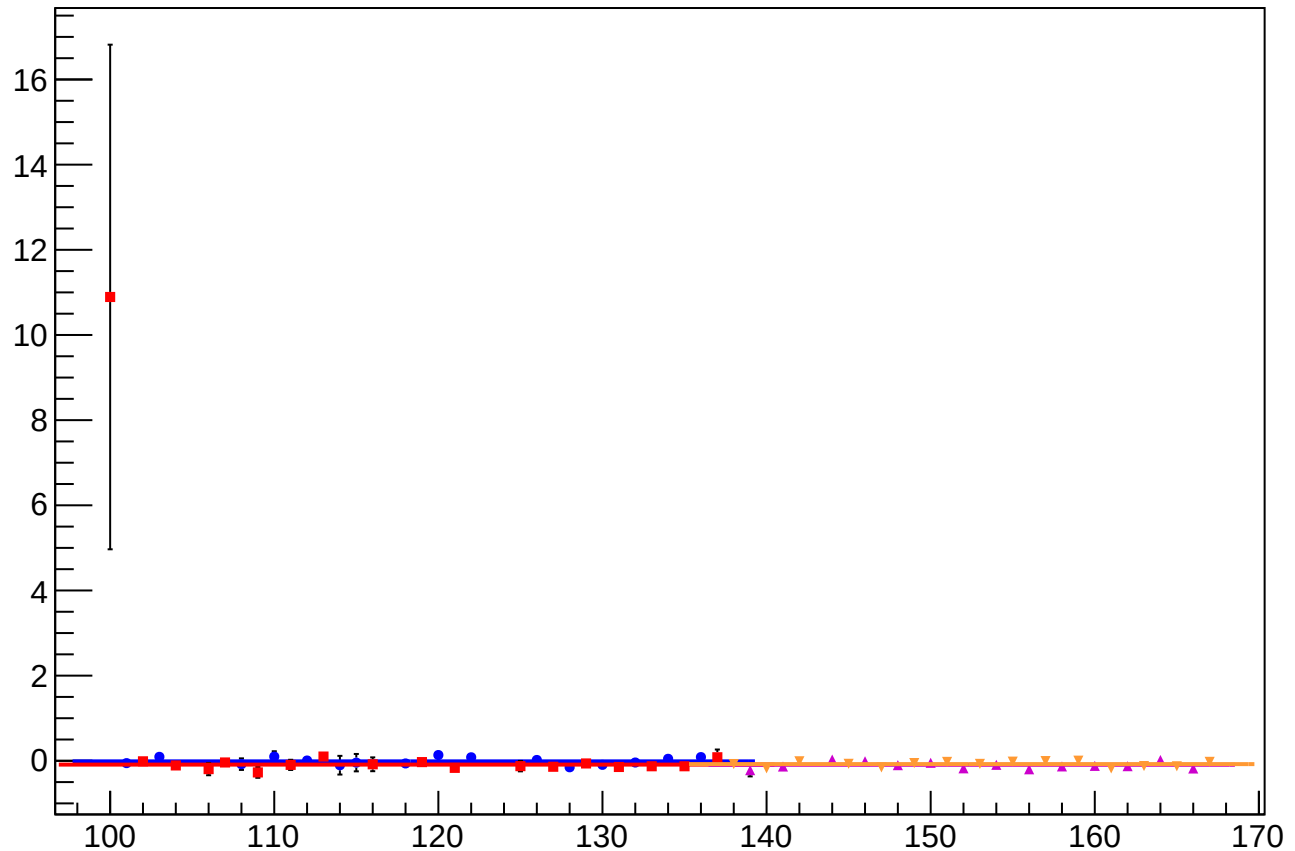
reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -0.053 $\pm$ 0.025 χ^2 /NDF:12.4/13

Left: -0.059 $\pm$ 0.018 χ^2 /NDF: 32.6/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.053 $\pm$ 0.025 χ^2 /NDF:12.4/13
 Out: -0.064 $\pm$ 0.025 χ^2 /NDF:20.0/14
 All: -0.059 $\pm$ 0.018 χ^2 /NDF: 32.6/28

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: -0.094 ± 0.018 χ^2/NDF : 14.8/13

Left: -0.086 ± 0.013 χ^2/NDF : 28.1/28

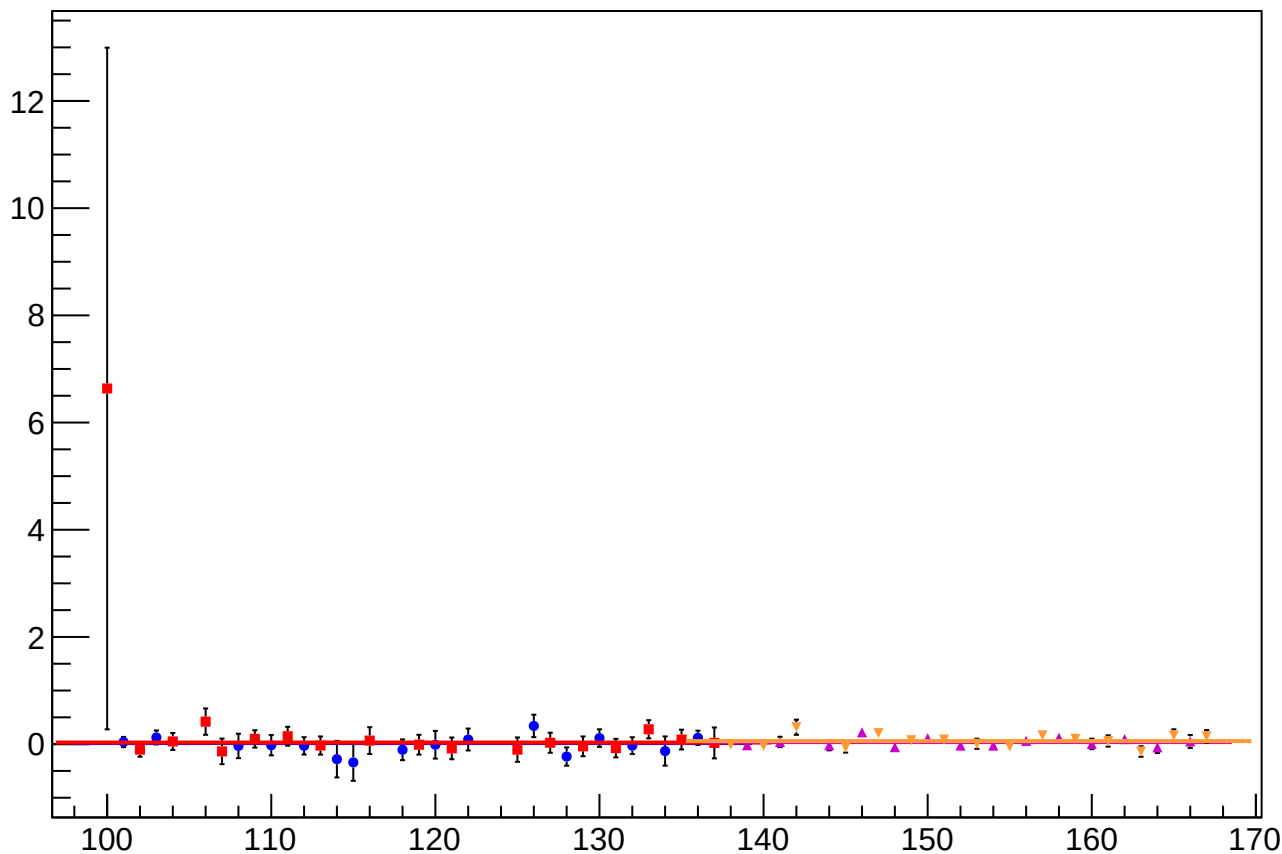
Right: -0.049 ± 0.017 χ^2/NDF : 29.6/33

In: -0.064 ± 0.014 χ^2/NDF : 34.0/29

Out: -0.082 ± 0.014 χ^2/NDF : 26.1/32

All: -0.073 ± 0.010 χ^2/NDF : 60.8/62

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: 0.038 $\pm$ 0.025 χ^2 /NDF:10.9/13

Left: 0.047 $\pm$ 0.017 χ^2 /NDF: 29.2/28

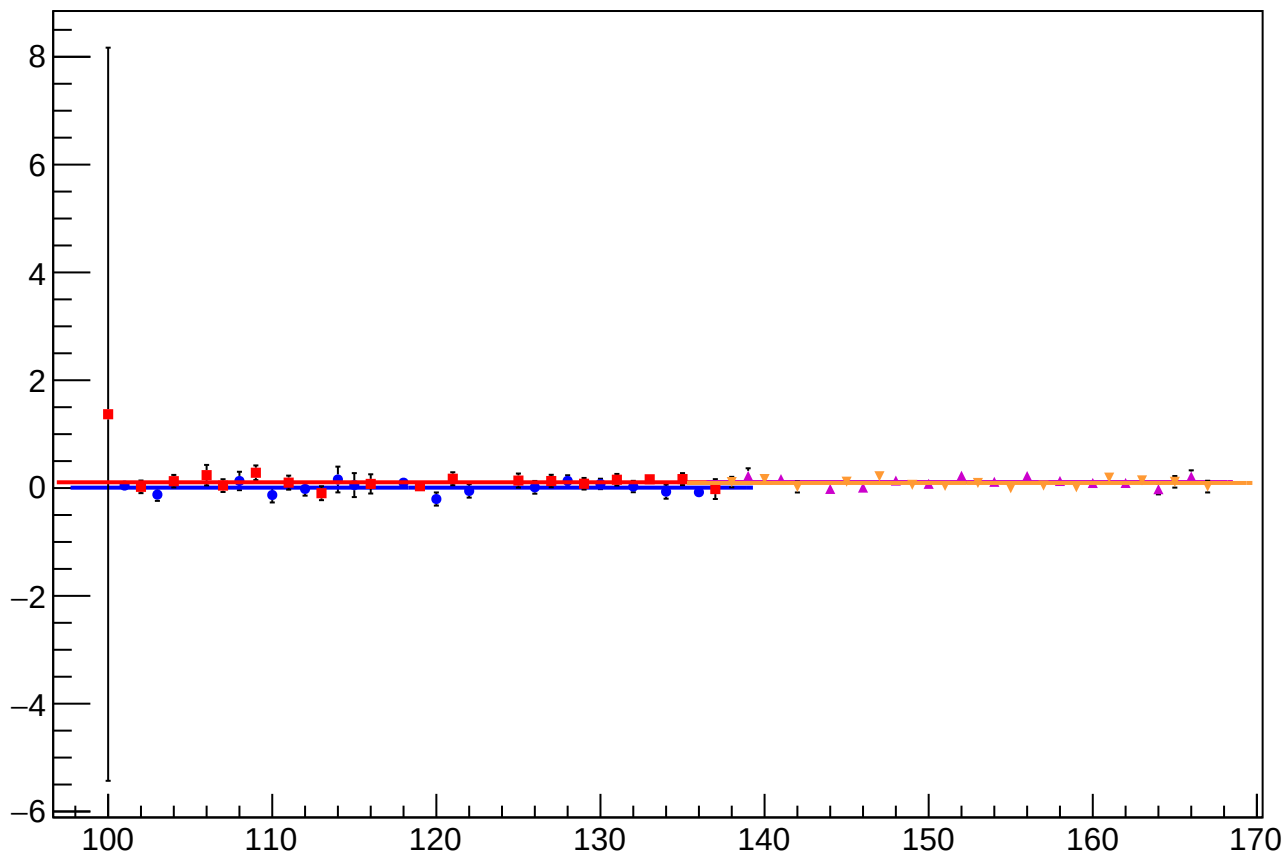
Right: 0.025 $\pm$ 0.031 χ^2 /NDF: 18.3/33

In: 0.034 $\pm$ 0.021 χ^2 /NDF:20.2/29

Out: 0.051 $\pm$ 0.022 χ^2 /NDF:27.5/32

All: 0.042 $\pm$ 0.015 χ^2 /NDF: 48.0/62

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.095 $\pm$ 0.021 χ^2 /NDF:11.9/14

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

Left In: 0.112 $\pm$ 0.021 χ^2 /NDF:14.0/13

Left: 0.103 $\pm$ 0.015 χ^2 /NDF: 26.3/28

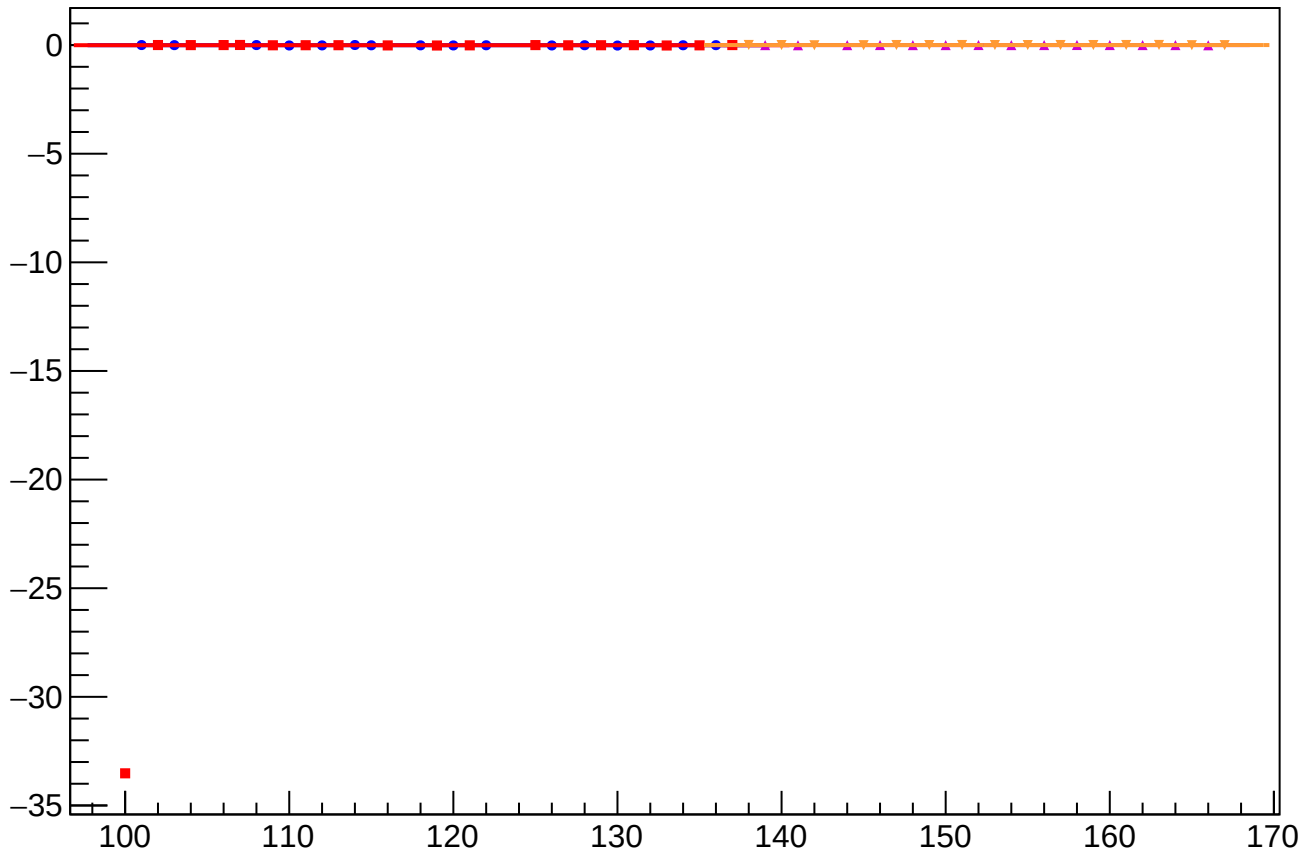
Right: 0.054 $\pm$ 0.020 χ^2 /NDF: 25.8/33

In: 0.073 $\pm$ 0.017 χ^2 /NDF:34.5/29

Out: 0.099 $\pm$ 0.017 χ^2 /NDF:20.2/32

All: 0.086 $\pm$ 0.012 χ^2 /NDF: 56.0/62

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 : 10.1/13

Left: 0.000 ± 0.001 χ^2/NDF : 21.8/28

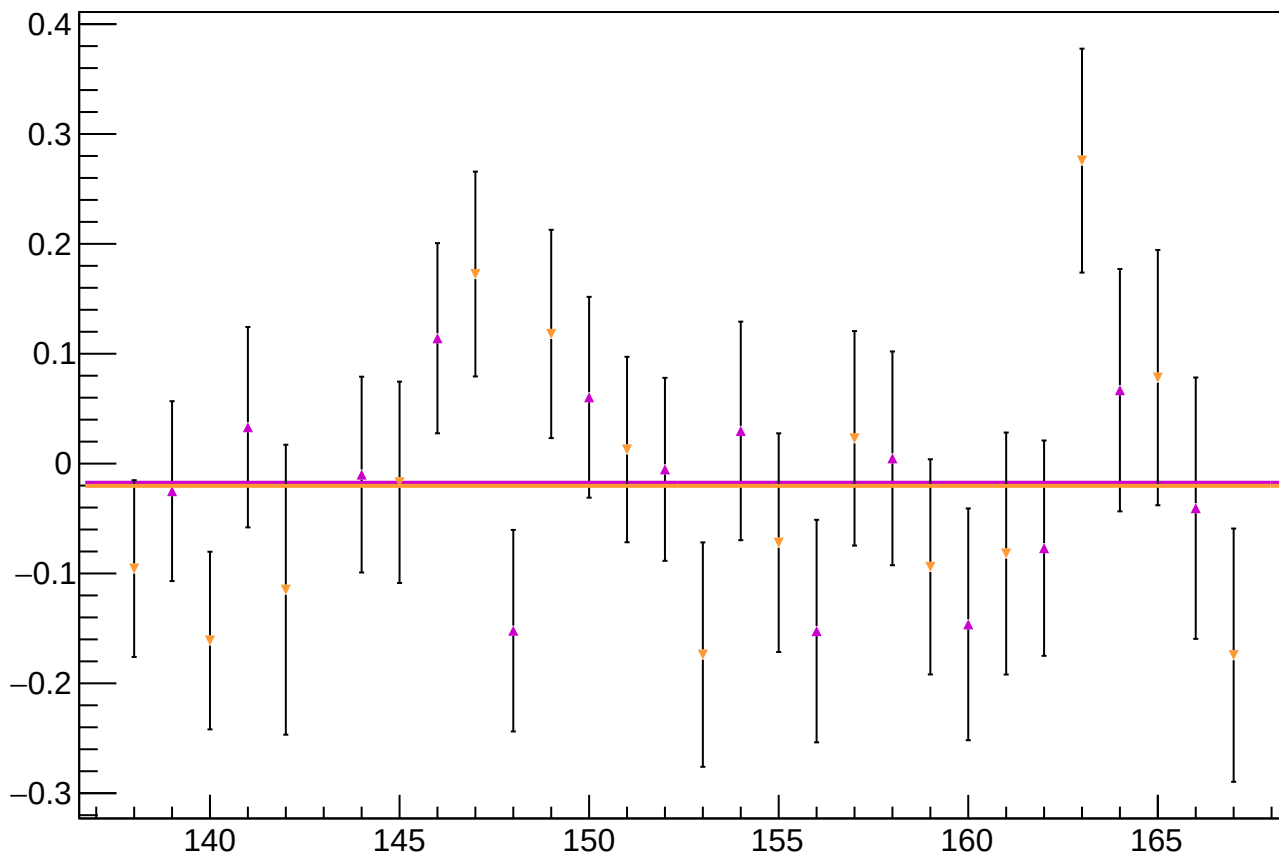
Right: -0.006 ± 0.001 χ^2/NDF : 26530.6/33

In: -0.002 ± 0.001 χ^2/NDF : 40.7/29

Out: -0.001 ± 0.001 χ^2/NDF : 26535.4/32

All: -0.001 ± 0.001 χ^2/NDF : 26576.5/62

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.020 +/- 0.025 χ^2/NDF : 25.5/14

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

Left In: -0.017 +/- 0.025 χ^2/NDF : 10.1/13

Left: -0.019 +/- 0.018 χ^2/NDF : 35.6/28

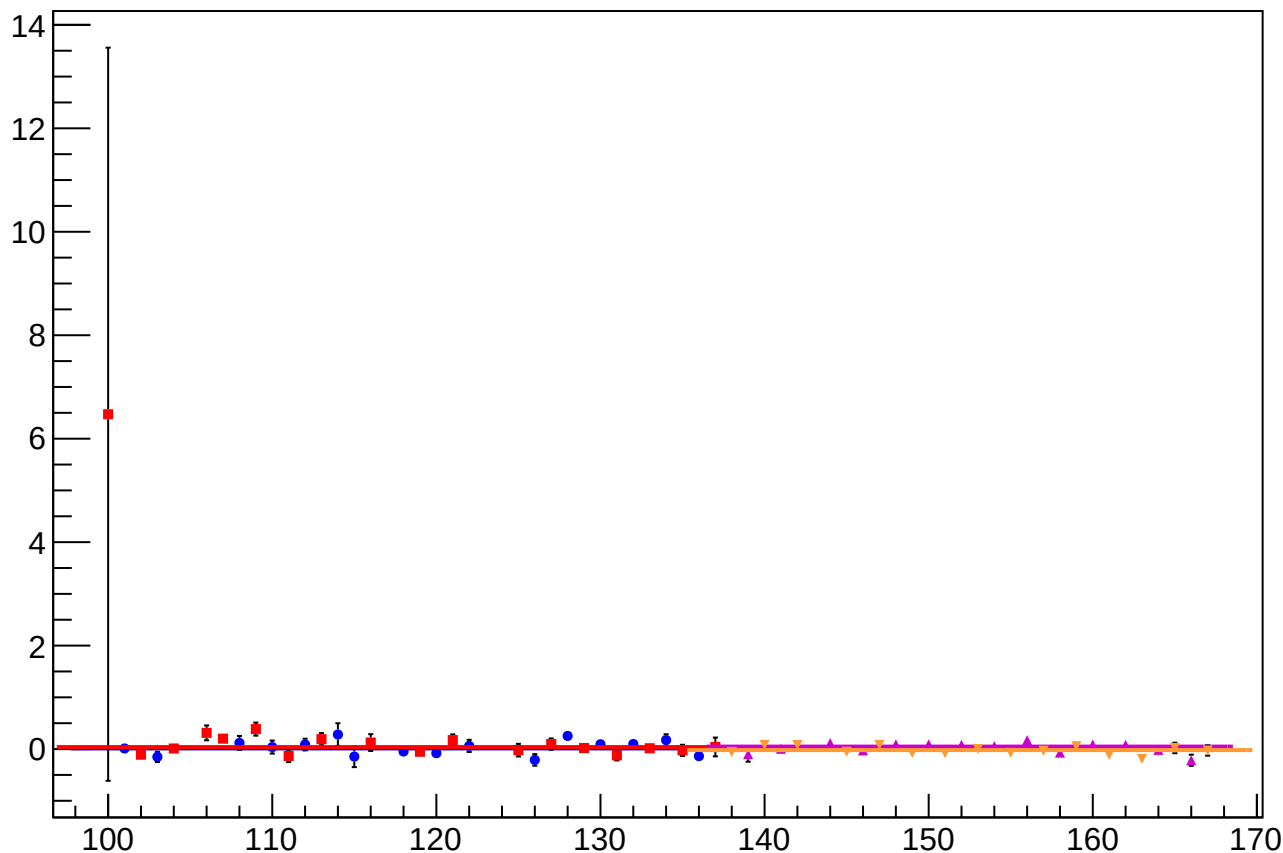
Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

In: -0.017 +/- 0.025 χ^2/NDF : 10.1/13

Out: -0.020 +/- 0.025 χ^2/NDF : 25.5/14

All: -0.019 +/- 0.018 χ^2/NDF : 35.6/28

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: 0.048 $\pm$ 0.018 χ^2 /NDF:19.4/13

Left: 0.013 $\pm$ 0.013 χ^2 /NDF: 46.2/28

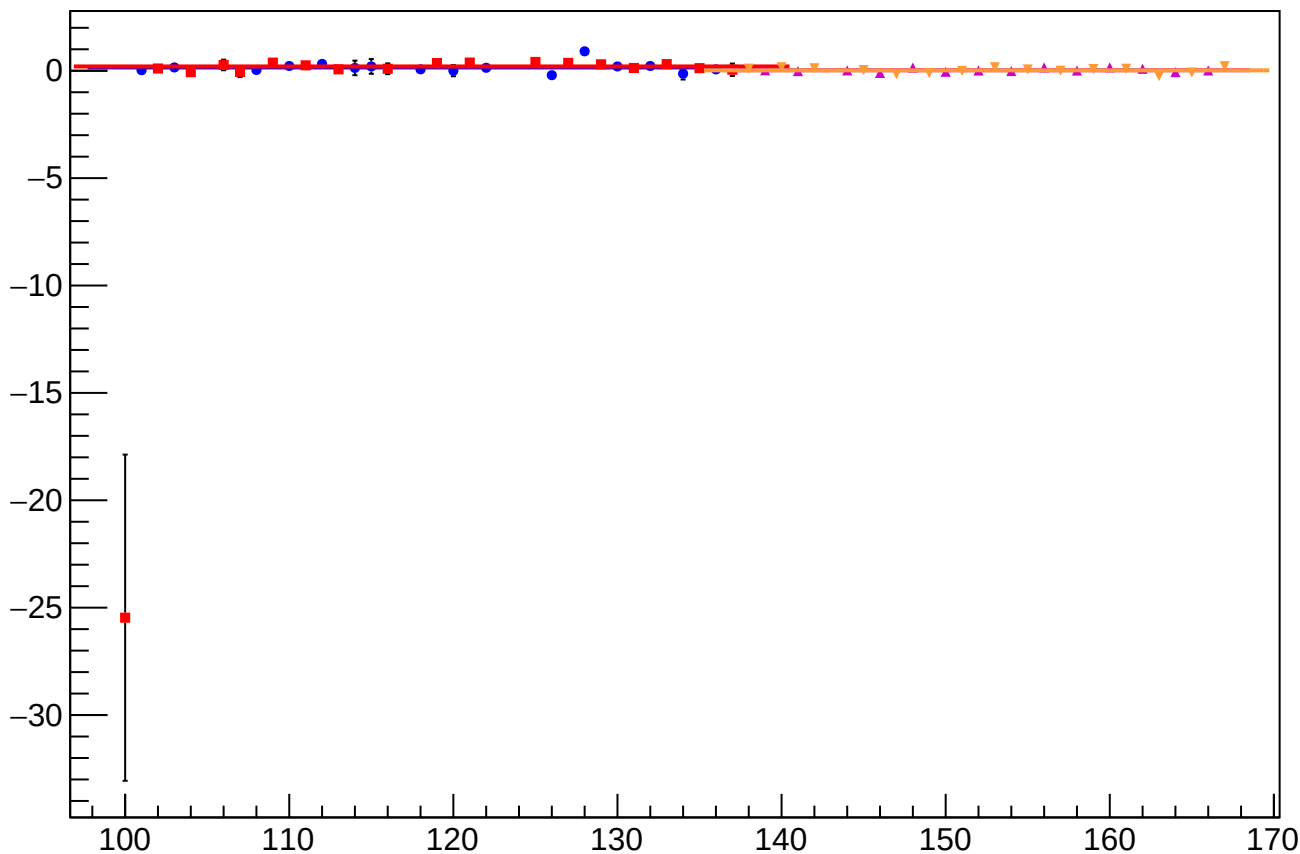
Right: 0.025 $\pm$ 0.017 χ^2 /NDF: 54.0/33

In: 0.035 $\pm$ 0.014 χ^2 /NDF:45.9/29

Out: -0.000 $\pm$ 0.014 χ^2 /NDF:51.6/32

All: 0.017 $\pm$ 0.010 χ^2 /NDF: 100.5/62

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.020+/-0.025 χ^2/NDF : 24.9/14

Right Out: 0.201+/-0.045 χ^2/NDF : 22.6/17

Left In: 0.027+/-0.025 χ^2/NDF : 10.6/13

Left: 0.023+/-0.017 χ^2/NDF : 35.5/28

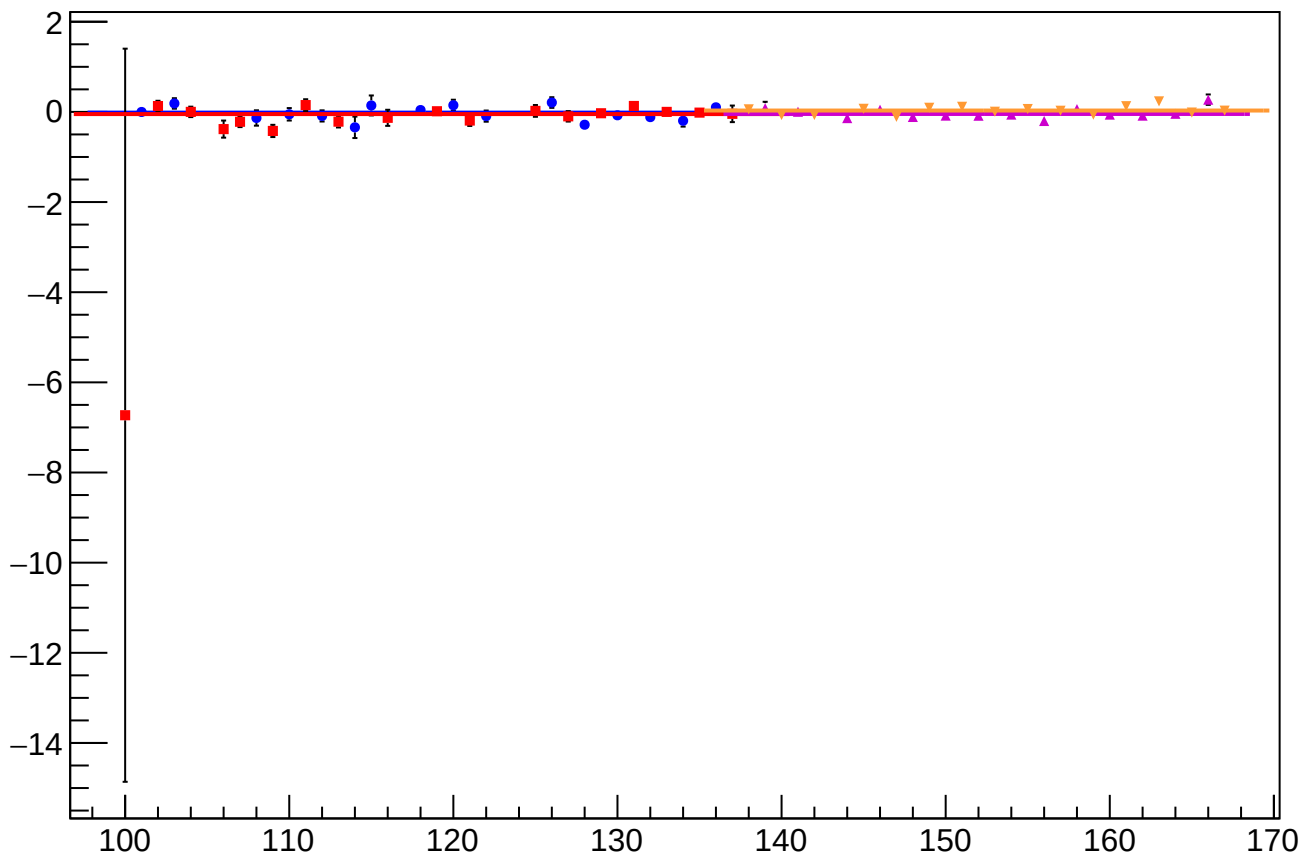
Right: 0.177+/-0.031 χ^2/NDF : 51.1/33

In: 0.058+/-0.021 χ^2/NDF : 45.1/29

Out: 0.062+/-0.022 χ^2/NDF : 60.0/32

All: 0.060+/-0.015 χ^2/NDF : 105.1/62

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: -0.046 ± 0.021 $\chi^2/\text{NDF}: 20.5/13$

Left: -0.007 ± 0.015 $\chi^2/\text{NDF}: 47.3/28$

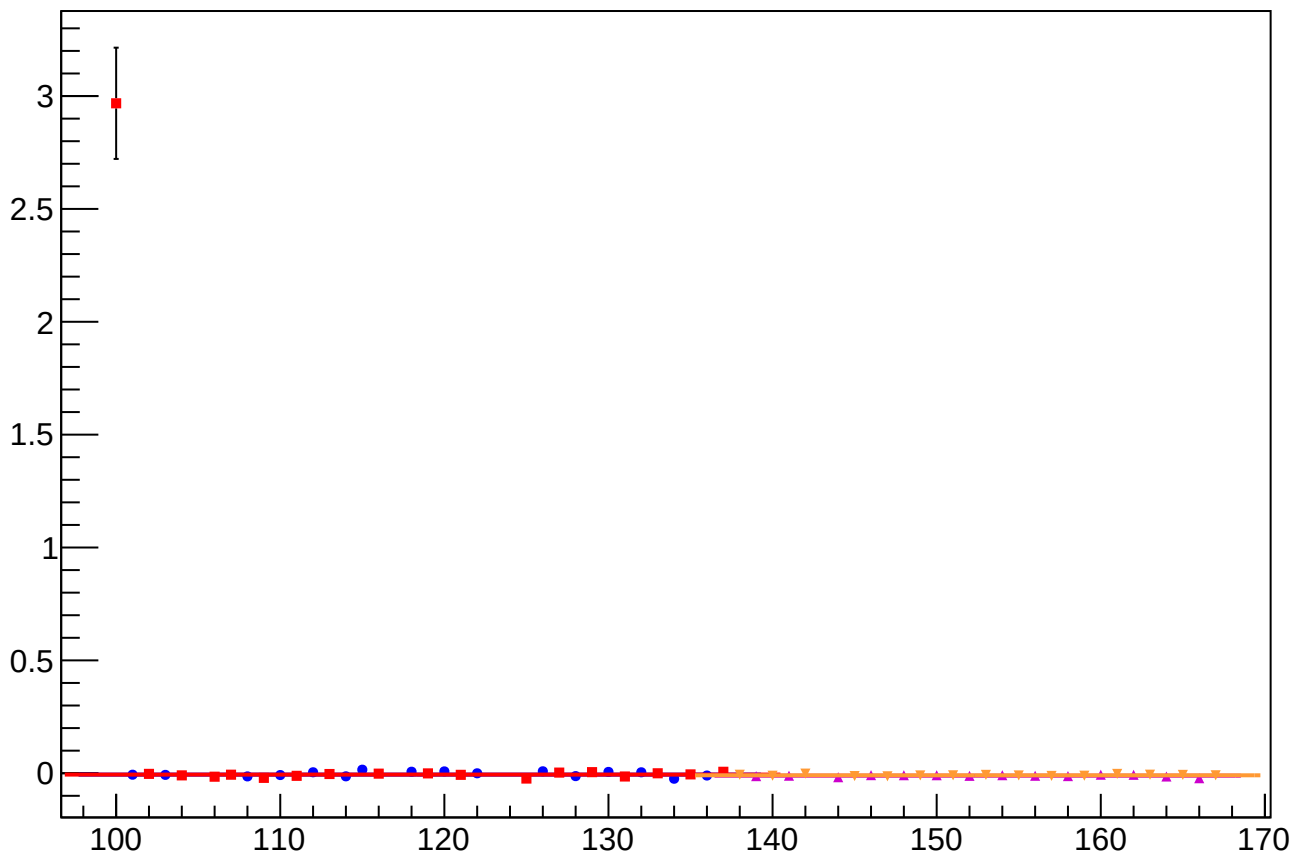
Right: -0.031 ± 0.020 $\chi^2/\text{NDF}: 51.0/33$

In: -0.035 ± 0.017 $\chi^2/\text{NDF}: 45.6/29$

Out: 0.003 ± 0.017 $\chi^2/\text{NDF}: 51.1/32$

All: -0.016 ± 0.012 $\chi^2/\text{NDF}: 99.2/62$

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2 /NDF: 27.3/15

Left Out: -0.009+/-0.001 χ^2 /NDF:9.2/14

Right Out: -0.006+/-0.001 χ^2 /NDF: 165.9/17

Left In: -0.011+/-0.001 χ^2 /NDF:12.6/13

Left: -0.010+/-0.001 χ^2 /NDF: 23.6/28

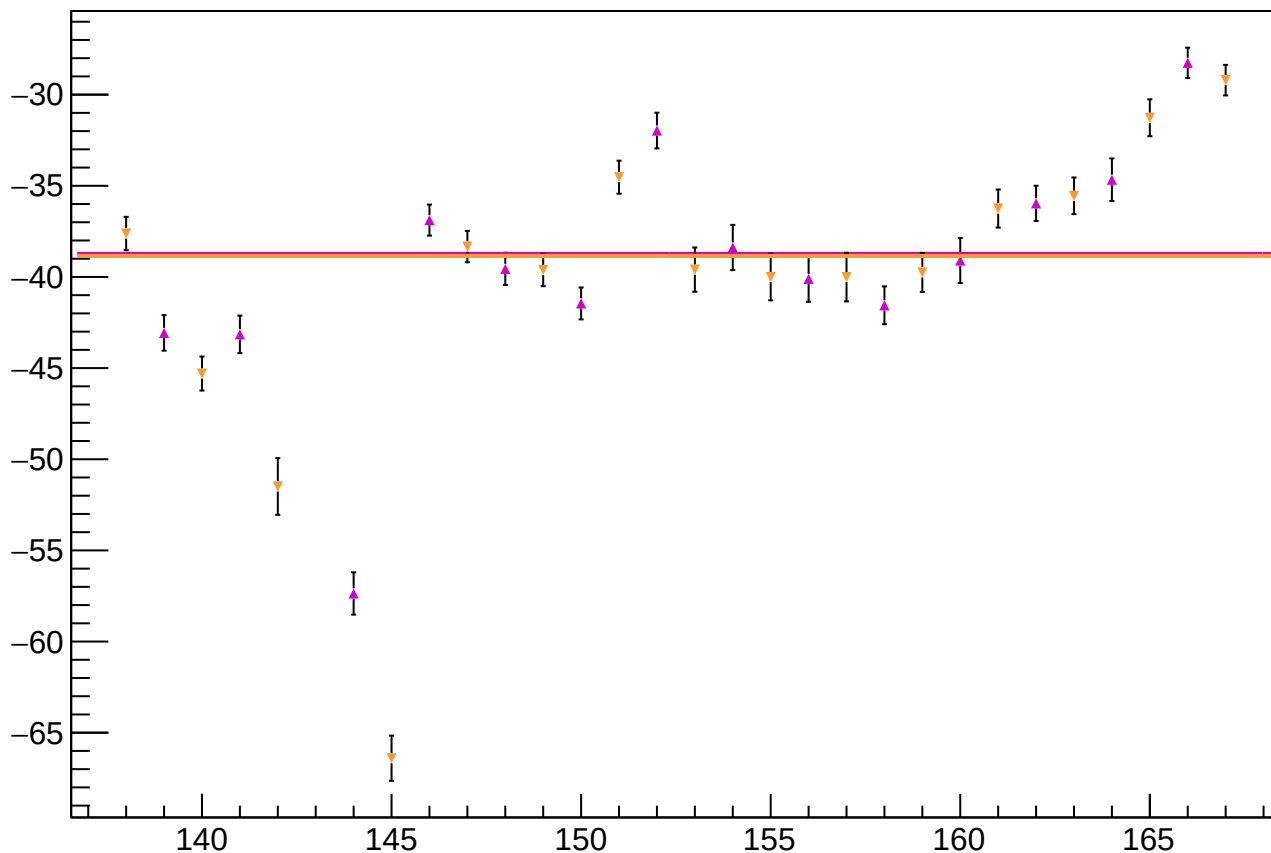
Right: -0.006+/-0.001 χ^2 /NDF: 193.3/33

In: -0.009+/-0.001 χ^2 /NDF:47.5/29

Out: -0.008+/-0.001 χ^2 /NDF:178.4/32

All: -0.009+/-0.001 χ^2 /NDF: 227.2/62

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: -38.733+/-0.269 χ^2/NDF :546.7/13

Left: -38.790+/-0.189 χ^2/NDF : 1389.0/28

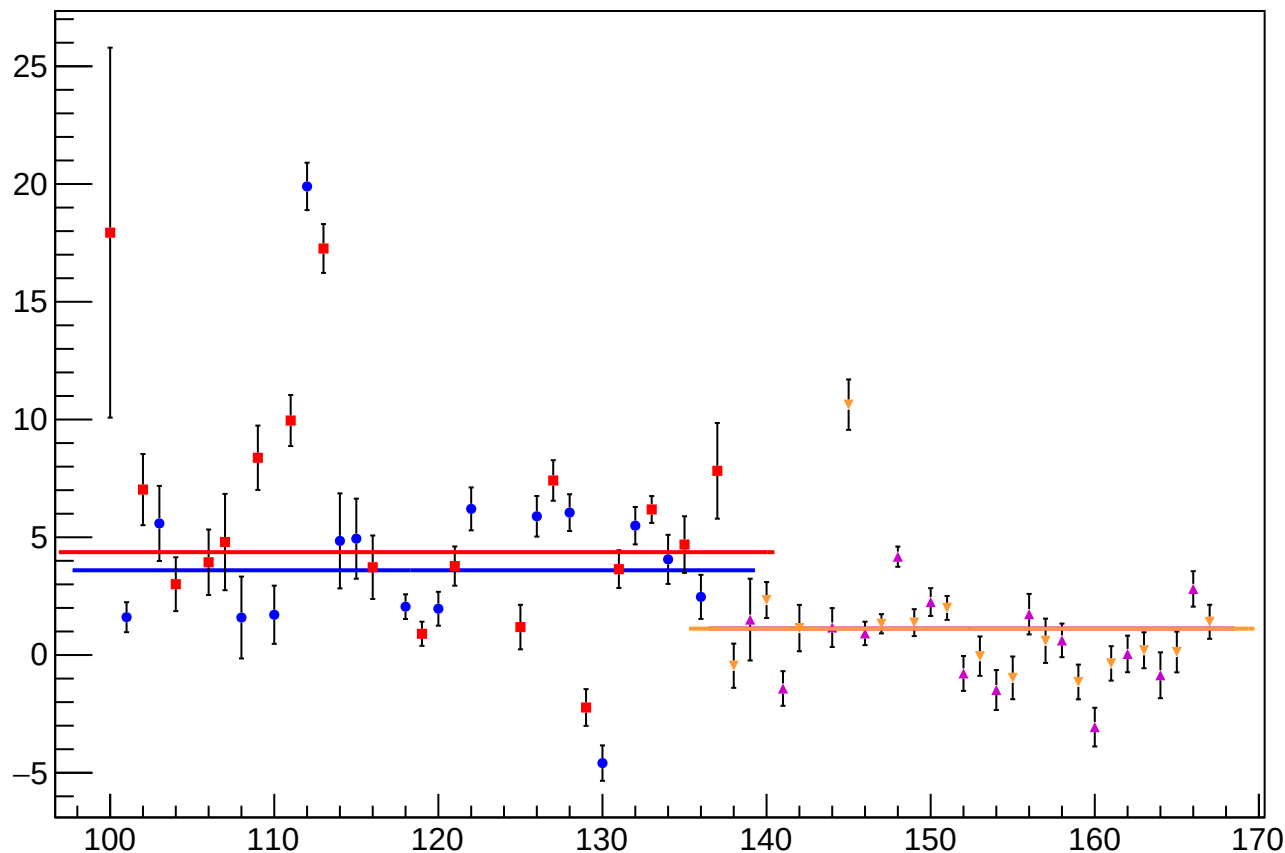
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.733+/-0.269 χ^2/NDF :546.7/13

Out: -38.846+/-0.265 χ^2/NDF :842.2/14

All: -38.790+/-0.189 χ^2/NDF : 1389.0/28

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 443.4/15

Left Out: 1.119 $\pm$ 0.182 χ^2 /NDF:111.6/14

Right Out: 4.367 $\pm$ 0.225 χ^2 /NDF: 353.1/17

Left In: 1.127 $\pm$ 0.187 χ^2 /NDF:120.5/13

Left: 1.123 $\pm$ 0.131 χ^2 /NDF: 232.1/28

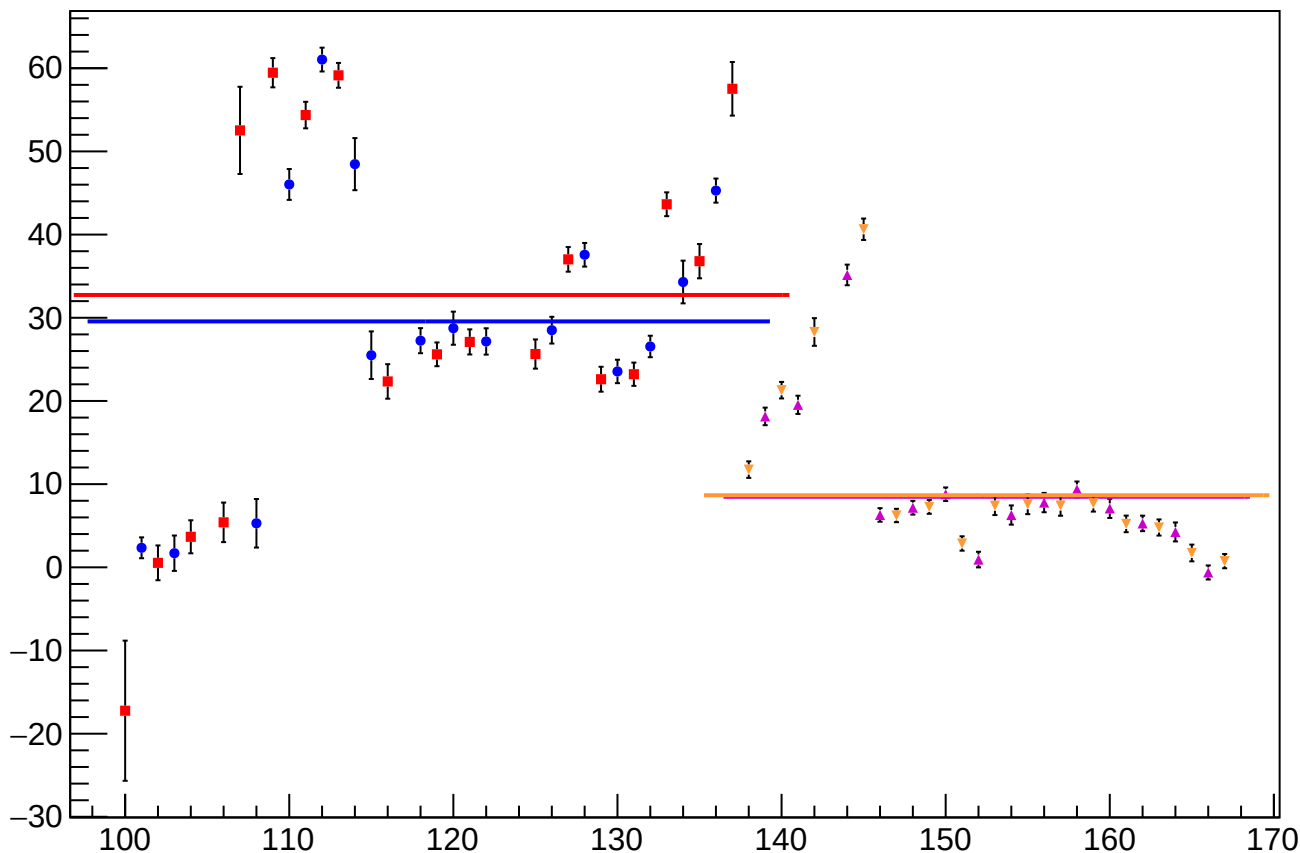
Right: 3.975 $\pm$ 0.157 χ^2 /NDF: 802.5/33

In: 2.164 $\pm$ 0.143 χ^2 /NDF:637.0/29

Out: 2.406 $\pm$ 0.142 χ^2 /NDF:590.7/32

All: 2.286 $\pm$ 0.100 χ^2 /NDF: 1229.2/62

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: 8.479 $\pm$ 0.261 χ^2 /NDF:869.2/13

Left: 8.574 $\pm$ 0.184 χ^2 /NDF: 2019.8/28

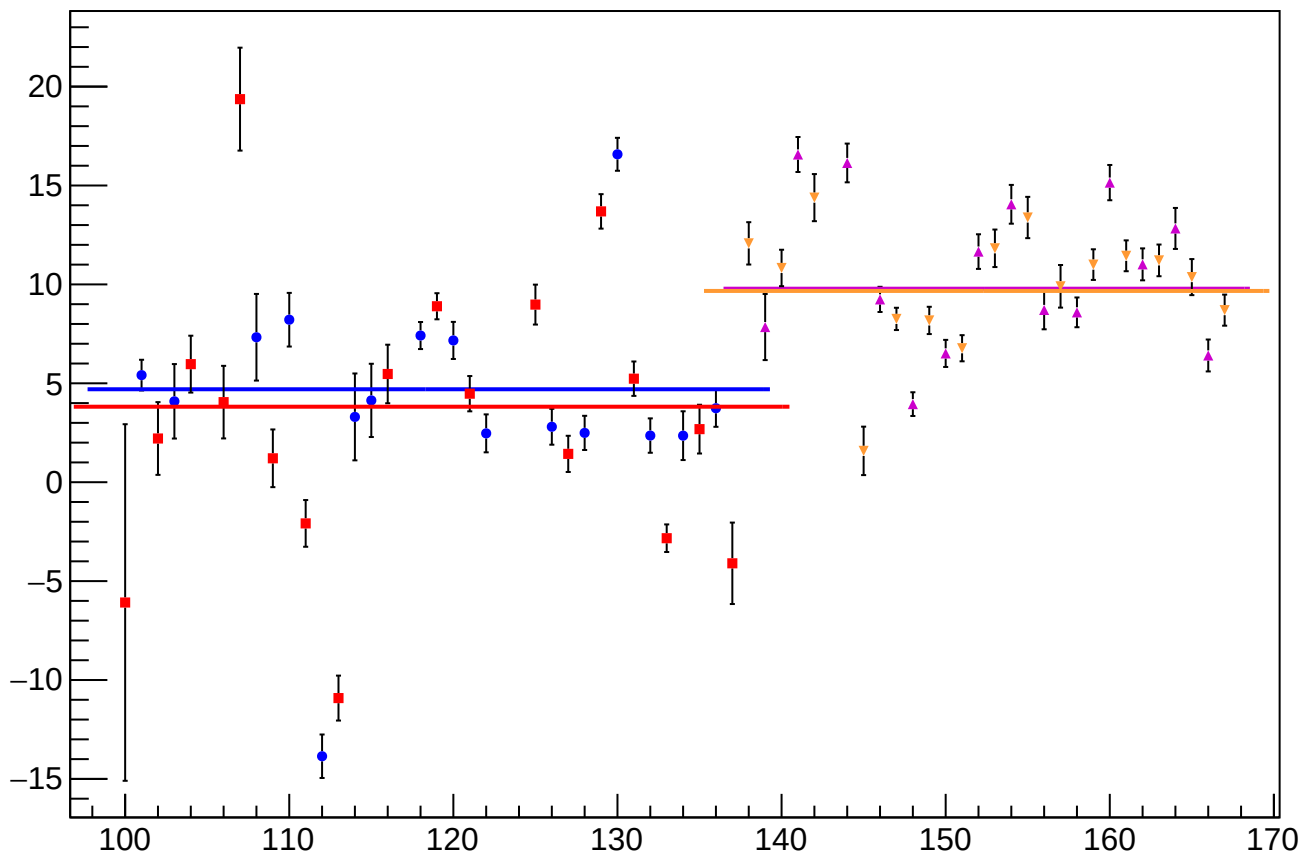
Right: 31.140 $\pm$ 0.298 χ^2 /NDF: 3186.3/33

In: 14.376 $\pm$ 0.222 χ^2 /NDF:4183.2/29

Out: 15.240 $\pm$ 0.221 χ^2 /NDF:5171.2/32

All: 14.810 $\pm$ 0.157 χ^2 /NDF: 9362.0/62

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.670 ± 0.215 χ^2/NDF : 127.9/14

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

Left In: 9.783 ± 0.221 χ^2/NDF : 312.5/13

Left: 9.725 ± 0.154 χ^2/NDF : 440.6/28

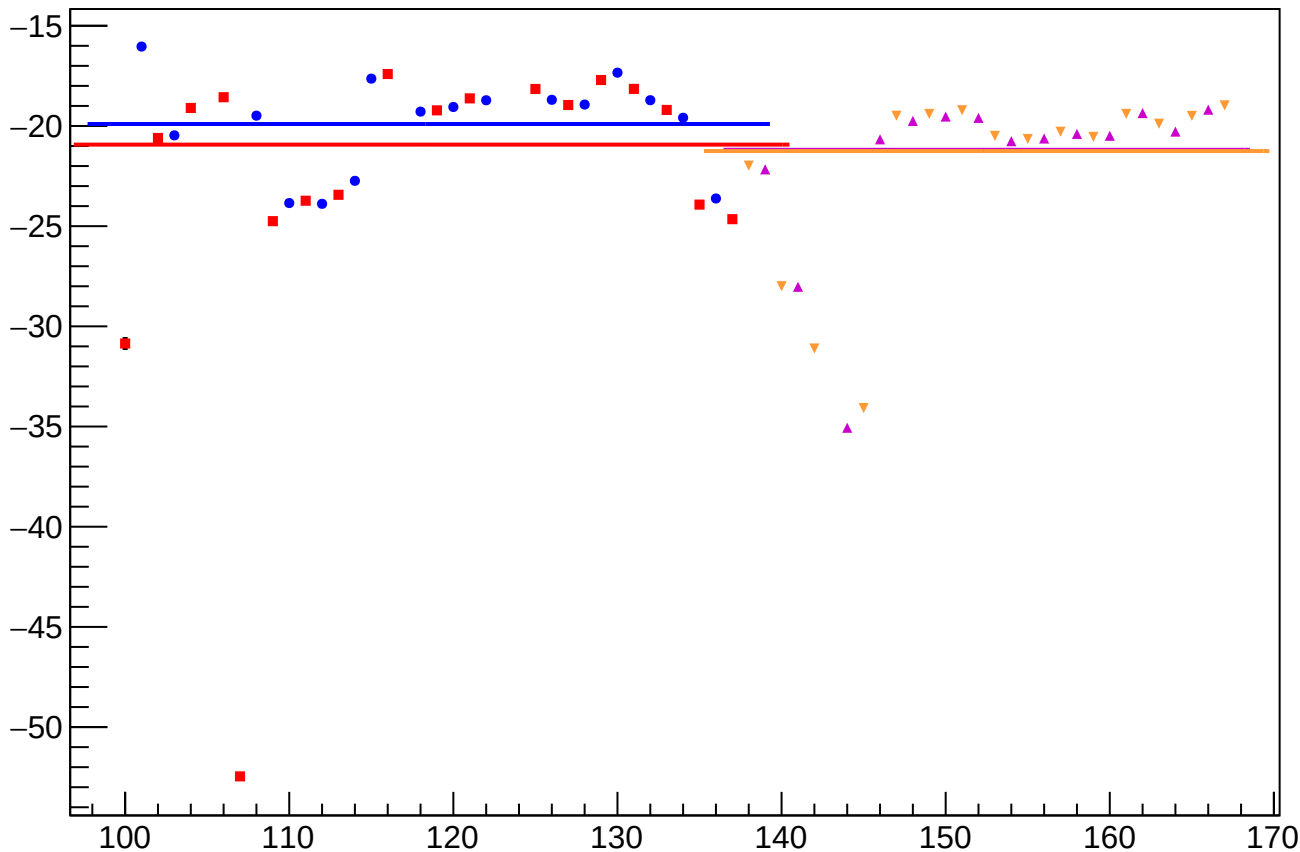
Right: 4.265 ± 0.181 χ^2/NDF : 1122.4/33

In: 7.593 ± 0.167 χ^2/NDF : 1089.5/29

Out: 7.271 ± 0.165 χ^2/NDF : 998.2/32

All: 7.431 ± 0.117 χ^2/NDF : 2089.5/62

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -21.252 ± 0.010 $\chi^2/\text{NDF}: 128818.4/14$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

Left In: -21.189 ± 0.010 $\chi^2/\text{NDF}: 102136.0/13$

Left: -21.221 ± 0.007 $\chi^2/\text{NDF}: 230973.0/28$

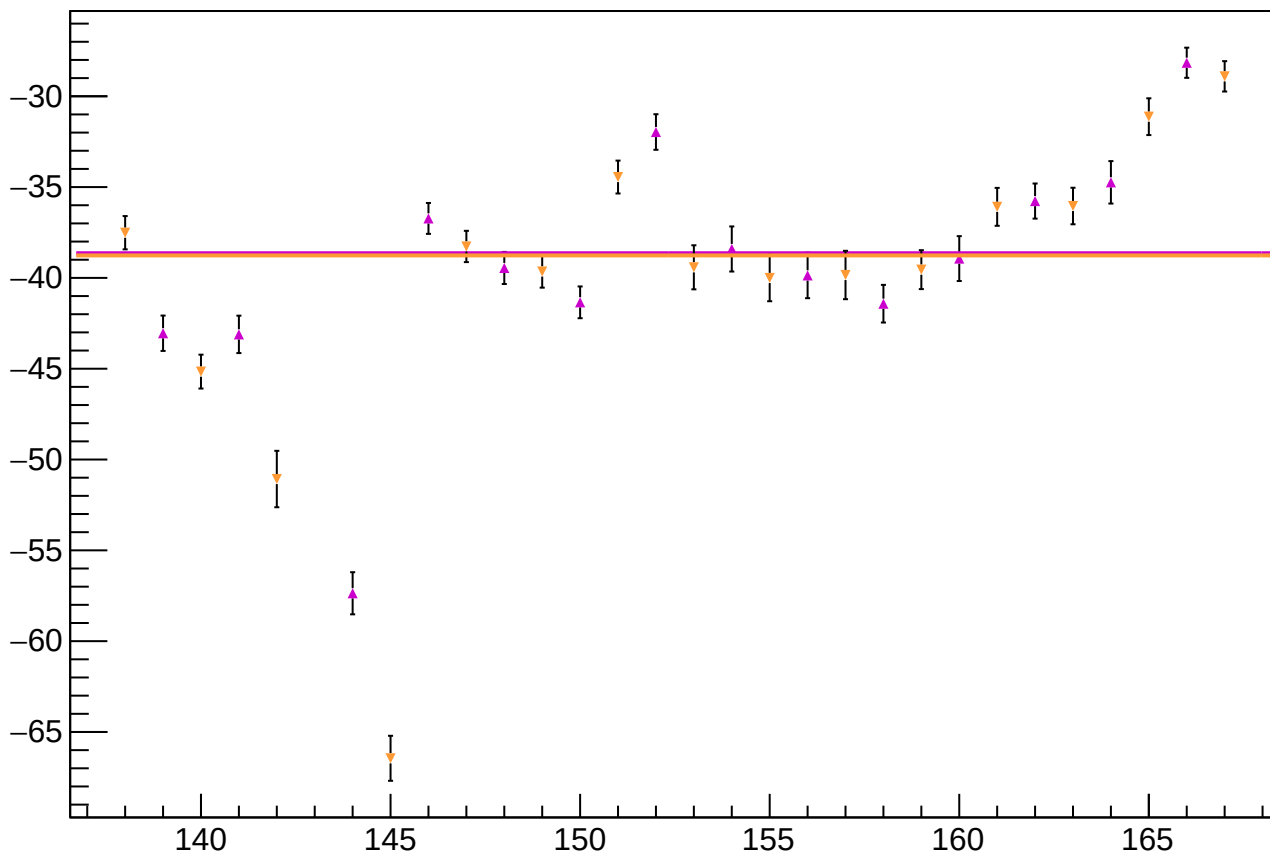
Right: -20.414 ± 0.011 $\chi^2/\text{NDF}: 122212.6/33$

In: -20.793 ± 0.009 $\chi^2/\text{NDF}: 132871.4/29$

Out: -21.155 ± 0.009 $\chi^2/\text{NDF}: 223118.8/32$

All: -20.975 ± 0.006 $\chi^2/\text{NDF}: 356864.3/62$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



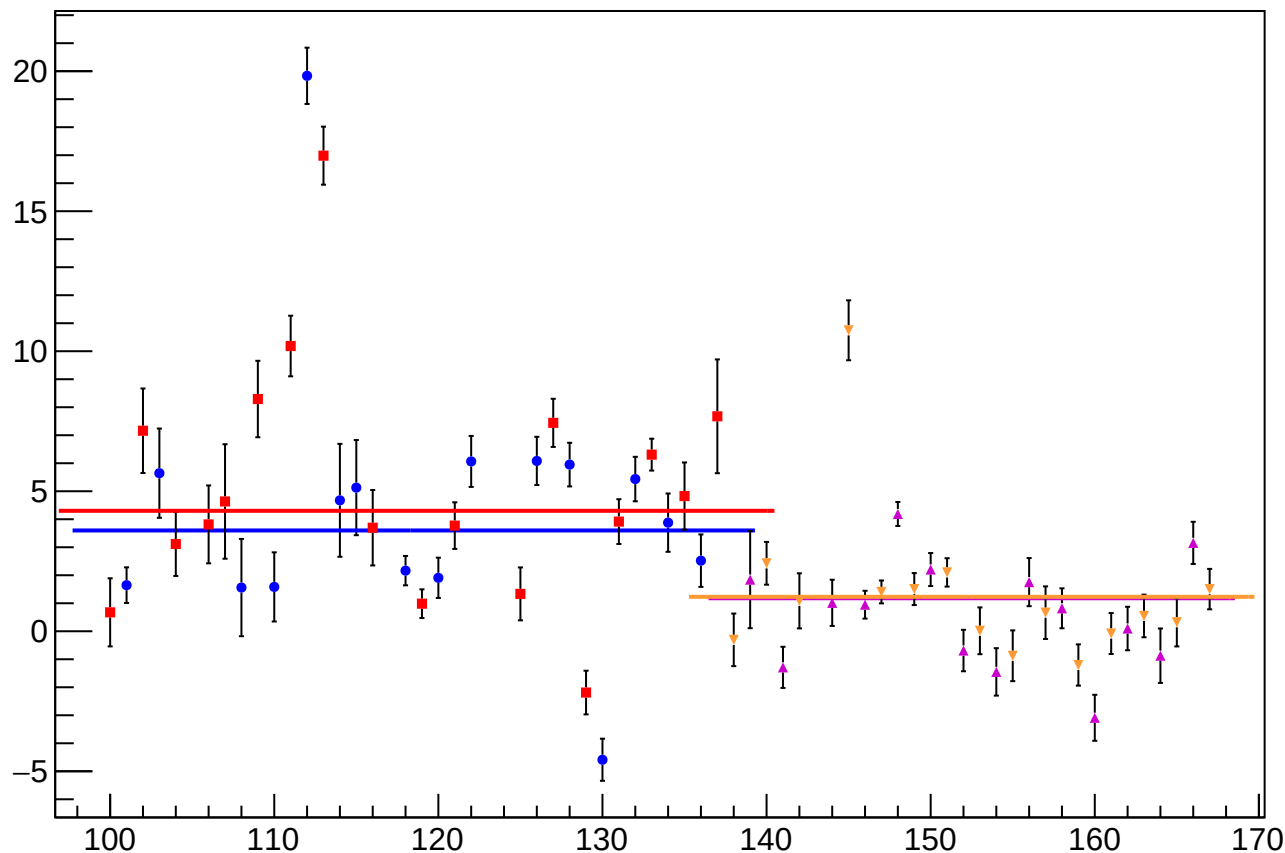
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -38.762+/-0.265 χ^2/NDF :847.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -38.643+/-0.268 χ^2/NDF :549.5/13

Left: -38.703+/-0.188 χ^2/NDF : 1397.3/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.643+/-0.268 χ^2/NDF :549.5/13
 Out: -38.762+/-0.265 χ^2/NDF :847.7/14

All: -38.703+/-0.188 χ^2/NDF : 1397.3/28

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: 1.179 $\pm$ 0.187 χ^2 /NDF:120.9/13

Left: 1.205 $\pm$ 0.131 χ^2 /NDF: 232.6/28

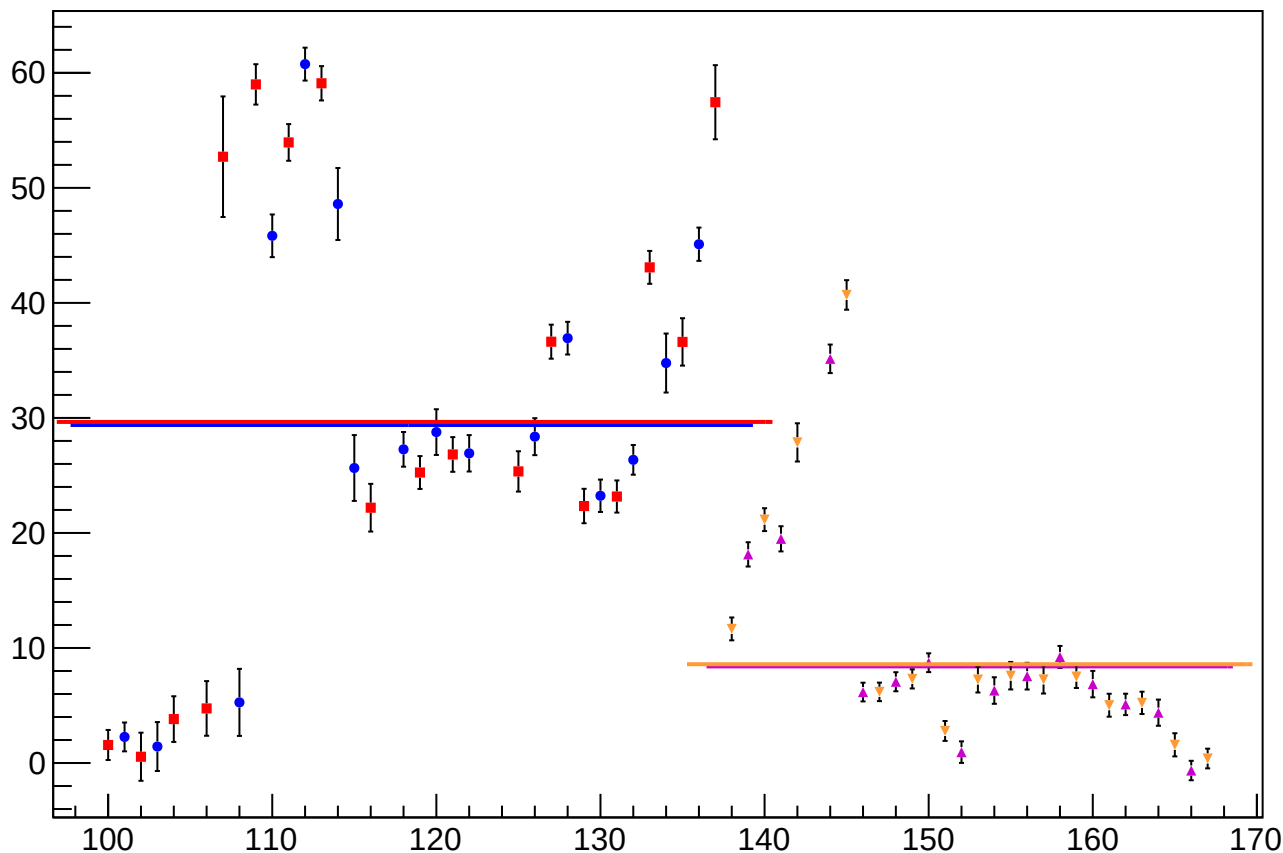
Right: 3.949 $\pm$ 0.156 χ^2 /NDF: 797.4/33

In: 2.195 $\pm$ 0.143 χ^2 /NDF:631.3/29

Out: 2.471 $\pm$ 0.140 χ^2 /NDF:578.8/32

All: 2.335 $\pm$ 0.100 χ^2 /NDF: 1212.1/62

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 8.585 $\pm$ 0.259 χ^2 /NDF:1153.9/14

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

Left In: 8.399 $\pm$ 0.261 χ^2 /NDF:872.1/13

Left: 8.493 $\pm$ 0.184 χ^2 /NDF: 2026.3/28

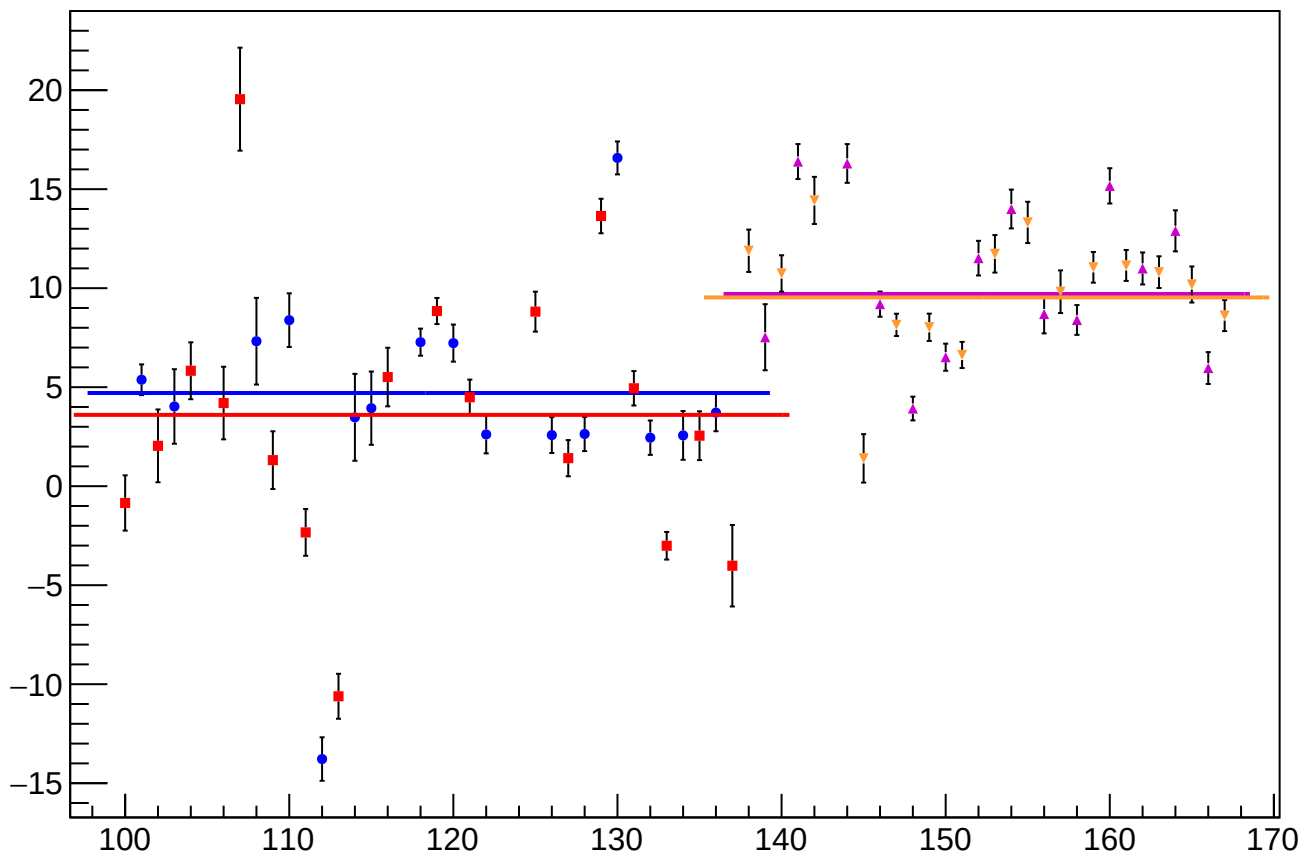
Right: 29.525 $\pm$ 0.290 χ^2 /NDF: 3619.8/33

In: 14.270 $\pm$ 0.222 χ^2 /NDF:4165.8/29

Out: 14.754 $\pm$ 0.218 χ^2 /NDF:5223.6/32

All: 14.516 $\pm$ 0.155 χ^2 /NDF: 9391.8/62

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.532 ± 0.215 $\chi^2/\text{NDF}: 129.0/14$

Right Out: 3.601 ± 0.254 $\chi^2/\text{NDF}: 573.4/17$

Left In: 9.705 ± 0.221 $\chi^2/\text{NDF}: 318.7/13$

Left: 9.616 ± 0.154 $\chi^2/\text{NDF}: 448.0/28$

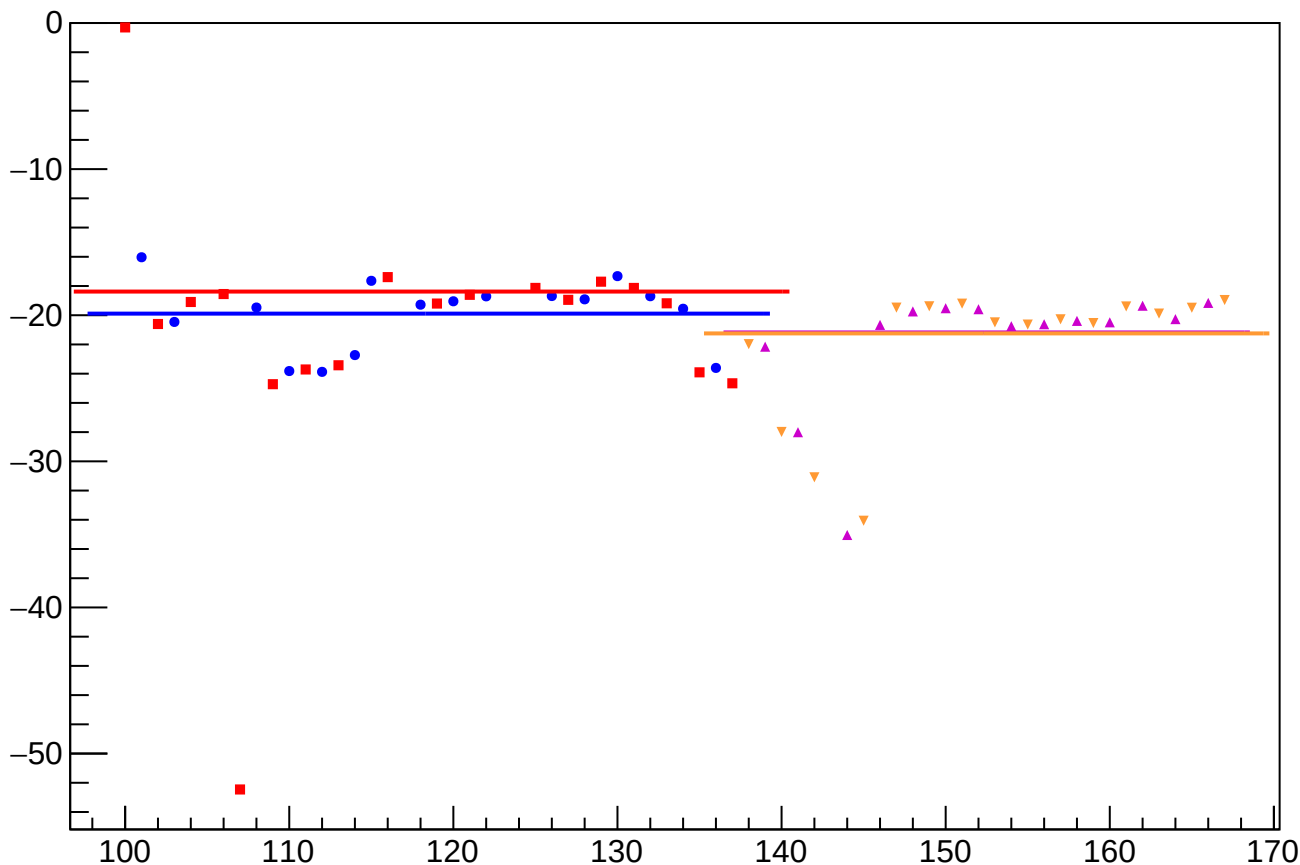
Right: 4.154 ± 0.180 $\chi^2/\text{NDF}: 1128.1/33$

In: 7.552 ± 0.167 $\chi^2/\text{NDF}: 1084.6/29$

Out: 7.053 ± 0.164 $\chi^2/\text{NDF}: 1019.7/32$

All: 7.299 ± 0.117 $\chi^2/\text{NDF}: 2108.8/62$

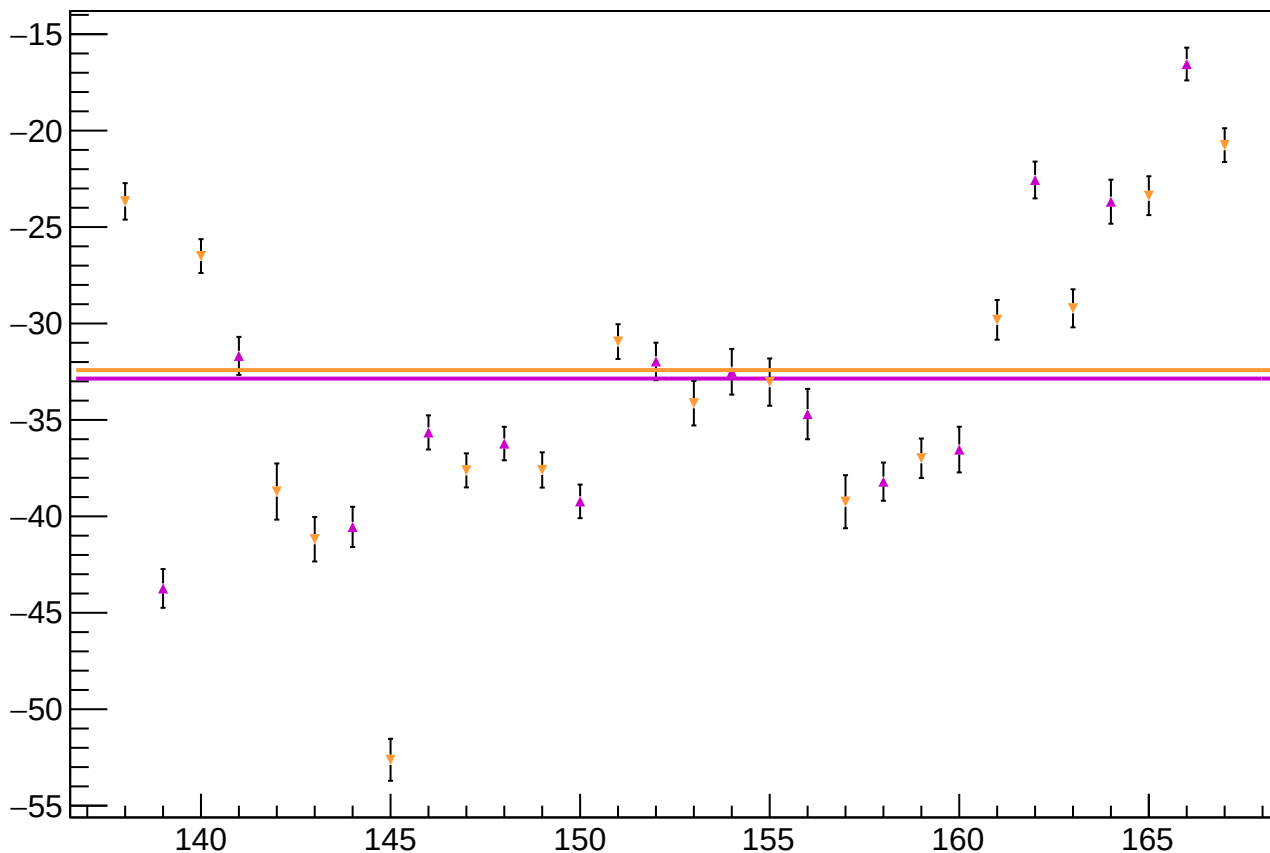
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890+/-0.016 χ^2/NDF : 26044.4/15
 Left Out: -21.245+/-0.010 χ^2/NDF :128891.2/14
 Right Out: -18.380+/-0.015 χ^2/NDF : 300999.4/17
 Left In: -21.177+/-0.010 χ^2/NDF :102144.9/13

Left: -21.211+/-0.007 χ^2/NDF : 231057.3/28
 Right: -19.091+/-0.011 χ^2/NDF : 331979.2/33
 In: -20.781+/-0.009 χ^2/NDF :132877.1/29
 Out: -20.301+/-0.008 χ^2/NDF :455193.7/32
 All: -20.535+/-0.006 χ^2/NDF : 589639.8/62

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



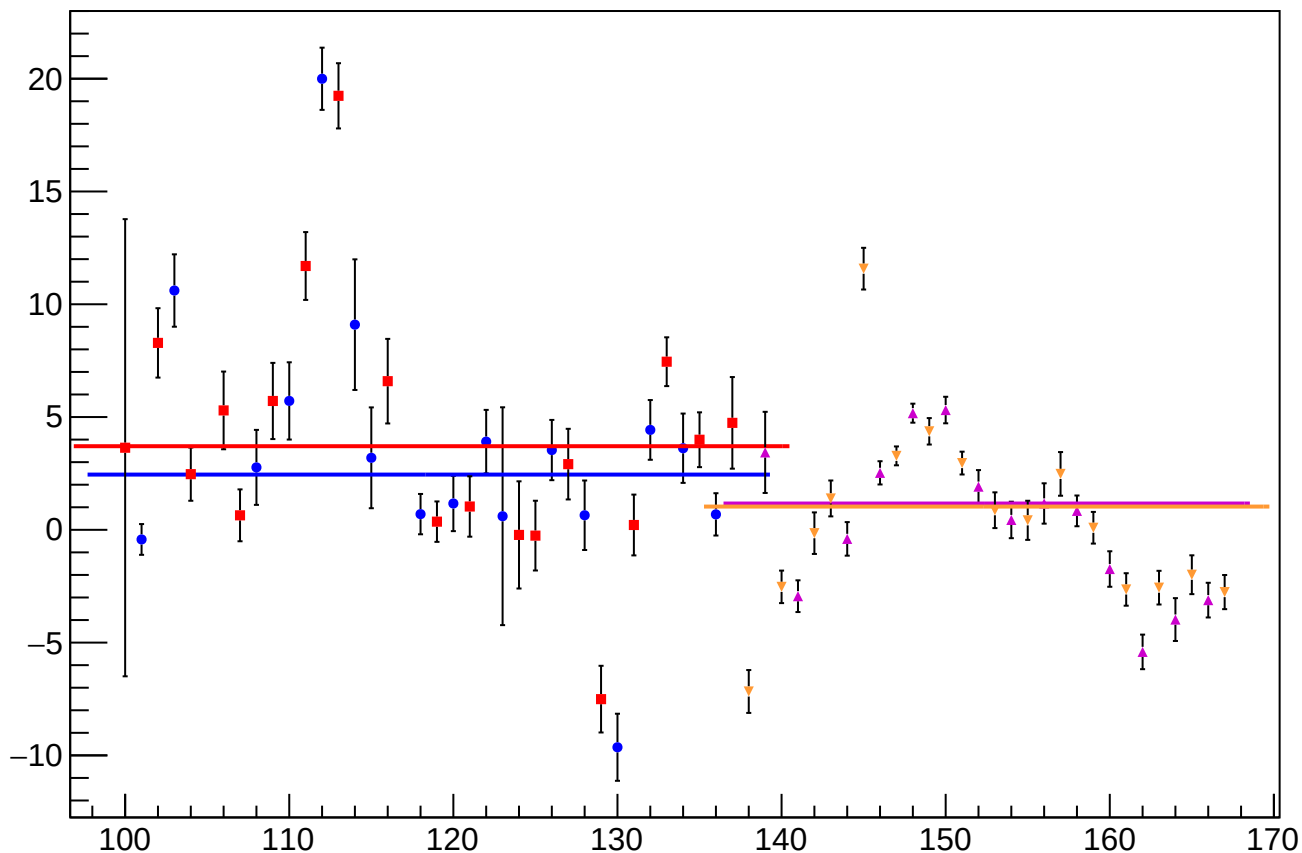
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.417+/-0.255 χ^2/NDF :942.7/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.857+/-0.265 χ^2/NDF :843.4/13

Left: -32.628+/-0.184 χ^2/NDF : 1787.5/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.857+/-0.265 χ^2/NDF :843.4/13
 Out: -32.417+/-0.255 χ^2/NDF :942.7/15

All: -32.628+/-0.184 χ^2/NDF : 1787.5/29

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: 1.166 ± 0.185 χ^2/NDF : 337.0/13

Left: 1.095 ± 0.127 χ^2/NDF : 735.1/29

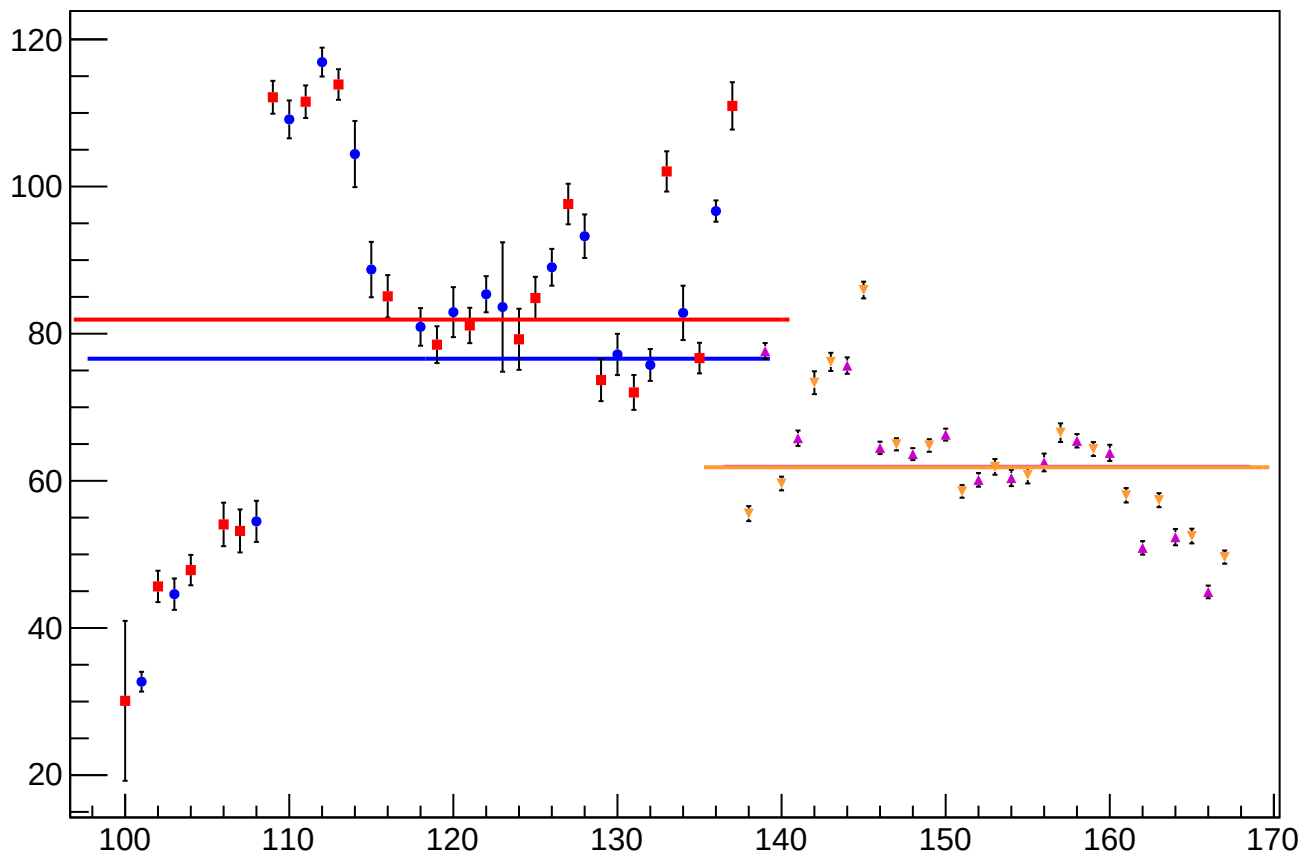
Right: 3.055 ± 0.226 χ^2/NDF : 572.4/35

In: 1.495 ± 0.159 χ^2/NDF : 644.7/30

Out: 1.633 ± 0.155 χ^2/NDF : 719.3/34

All: 1.566 ± 0.111 χ^2/NDF : 1364.4/65

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: 61.903 $\pm$ 0.258 χ^2 /NDF:1045.8/13

Left: 61.872 $\pm$ 0.180 χ^2 /NDF: 2099.3/29

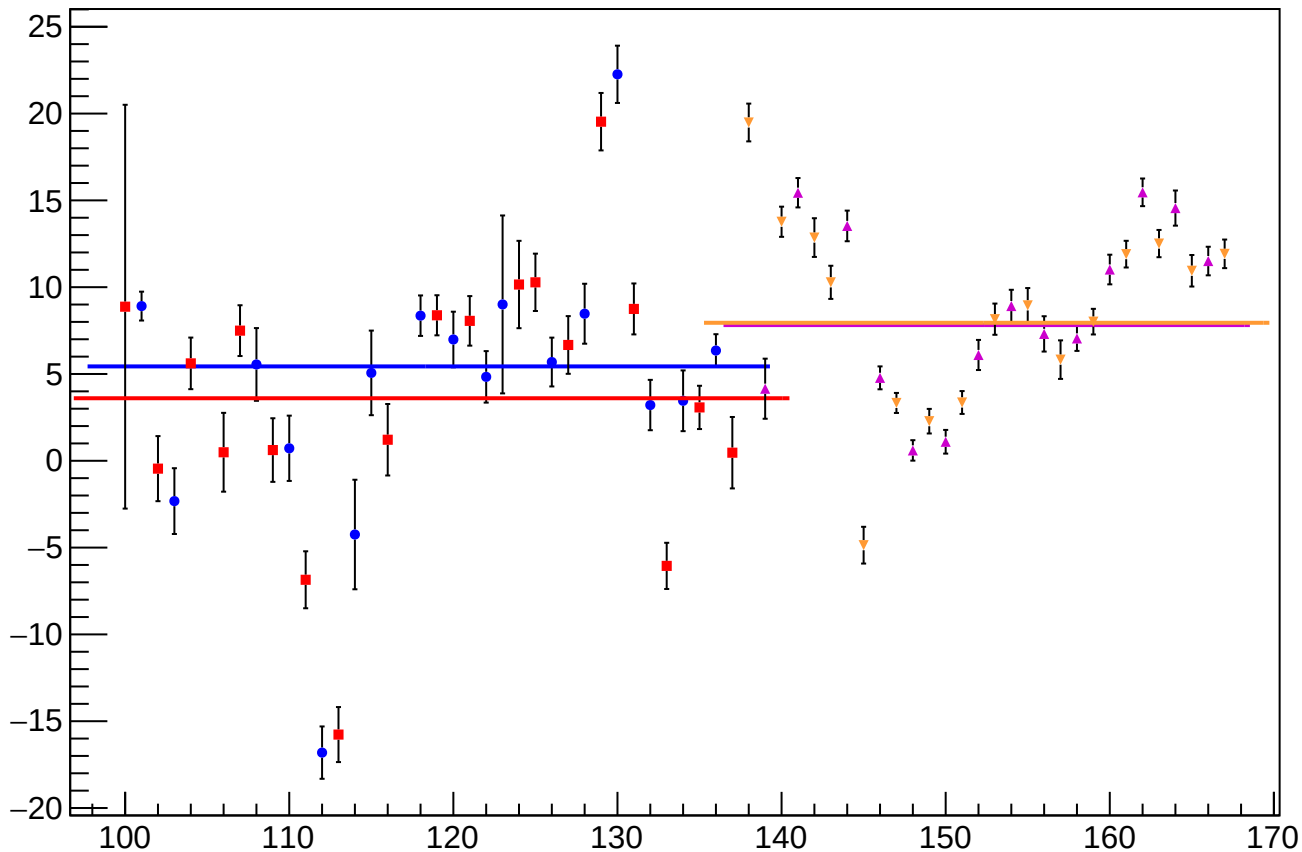
Right: 79.184 $\pm$ 0.413 χ^2 /NDF: 3867.3/35

In: 64.364 $\pm$ 0.236 χ^2 /NDF:3842.7/30

Out: 64.899 $\pm$ 0.231 χ^2 /NDF:3598.6/34

All: 64.637 $\pm$ 0.165 χ^2 /NDF: 7444.0/65

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: 7.817 ± 0.218 $\chi^2/\text{NDF}: 573.4/13$

Left: 7.886 ± 0.150 $\chi^2/\text{NDF}: 1178.6/29$

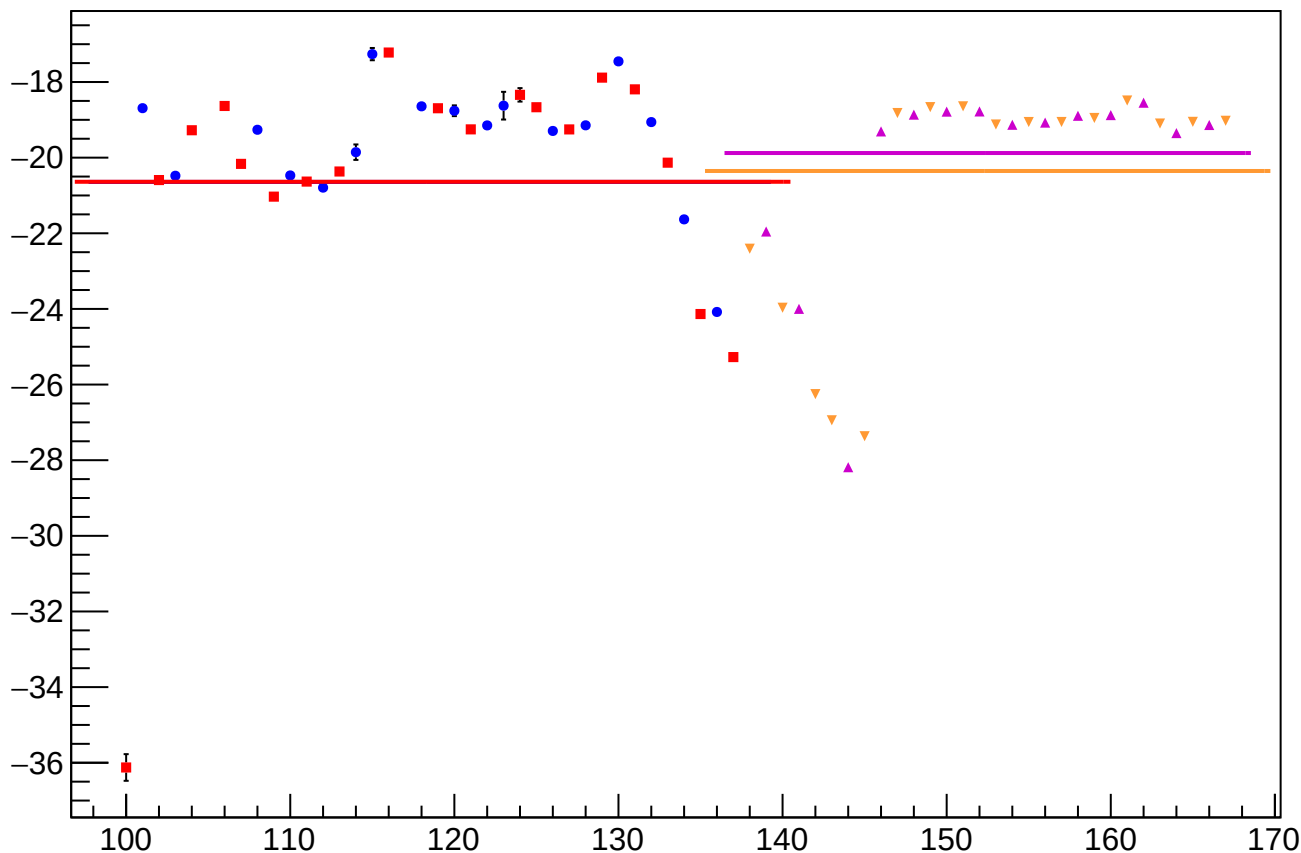
Right: 4.556 ± 0.260 $\chi^2/\text{NDF}: 823.0/35$

In: 7.181 ± 0.186 $\chi^2/\text{NDF}: 992.6/30$

Out: 6.928 ± 0.182 $\chi^2/\text{NDF}: 1131.1/34$

All: 7.051 ± 0.130 $\chi^2/\text{NDF}: 2124.7/65$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 $\pm$ 0.019 χ^2 /NDF: 12431.5/16

Left Out: -20.353 $\pm$ 0.010 χ^2 /NDF: 77910.6/15

Right Out: -20.638 $\pm$ 0.019 χ^2 /NDF: 13783.4/18

Left In: -19.878 $\pm$ 0.010 χ^2 /NDF: 48351.9/13

Left: -20.122 $\pm$ 0.007 χ^2 /NDF: 127355.4/29

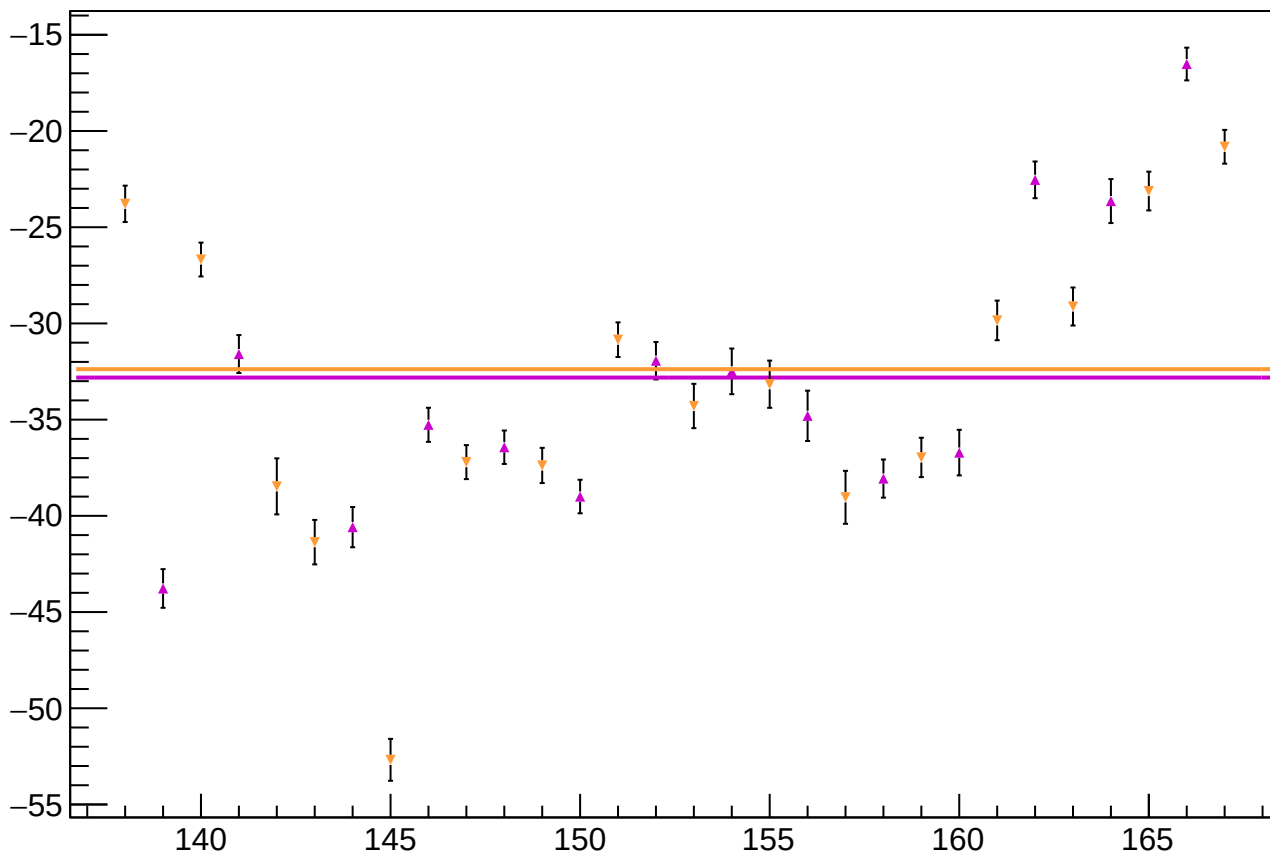
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26214.9/35

In: -20.047 $\pm$ 0.009 χ^2 /NDF: 61999.6/30

Out: -20.412 $\pm$ 0.009 χ^2 /NDF: 91864.3/34

All: -20.234 $\pm$ 0.006 χ^2 /NDF: 154688.9/65

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



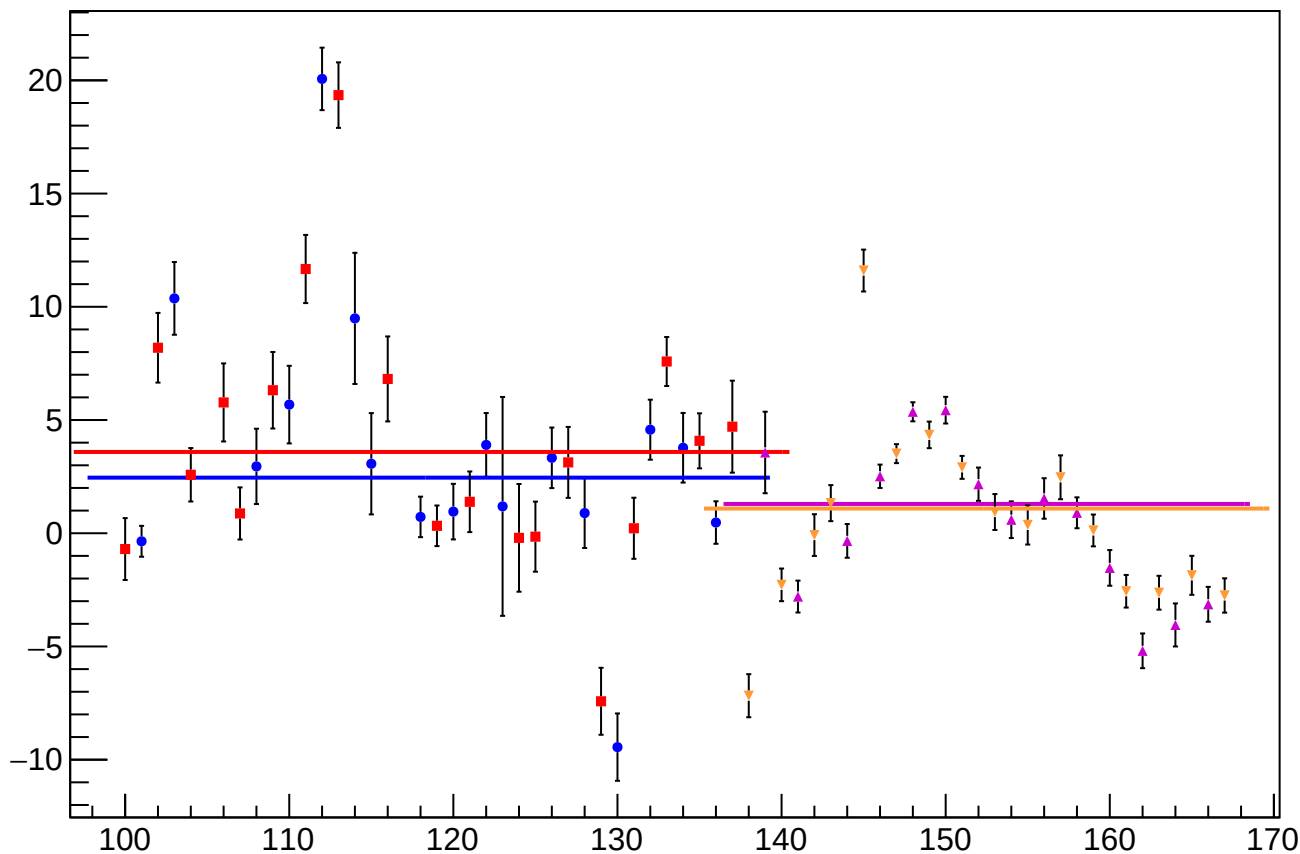
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.377+/-0.255 χ^2/NDF :934.1/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.814+/-0.266 χ^2/NDF :841.5/13

Left: -32.587+/-0.184 χ^2/NDF : 1777.0/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.814+/-0.266 χ^2/NDF :841.5/13
 Out: -32.377+/-0.255 χ^2/NDF :934.1/15

All: -32.587+/-0.184 χ^2/NDF : 1777.0/29

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 $\chi^2/\text{NDF}: 293.5/16$

Left Out: 1.090 ± 0.176 $\chi^2/\text{NDF}: 398.0/15$

Right Out: 3.590 ± 0.318 $\chi^2/\text{NDF}: 279.8/18$

Left In: 1.294 ± 0.185 $\chi^2/\text{NDF}: 340.3/13$

Left: 1.187 ± 0.127 $\chi^2/\text{NDF}: 738.9/29$

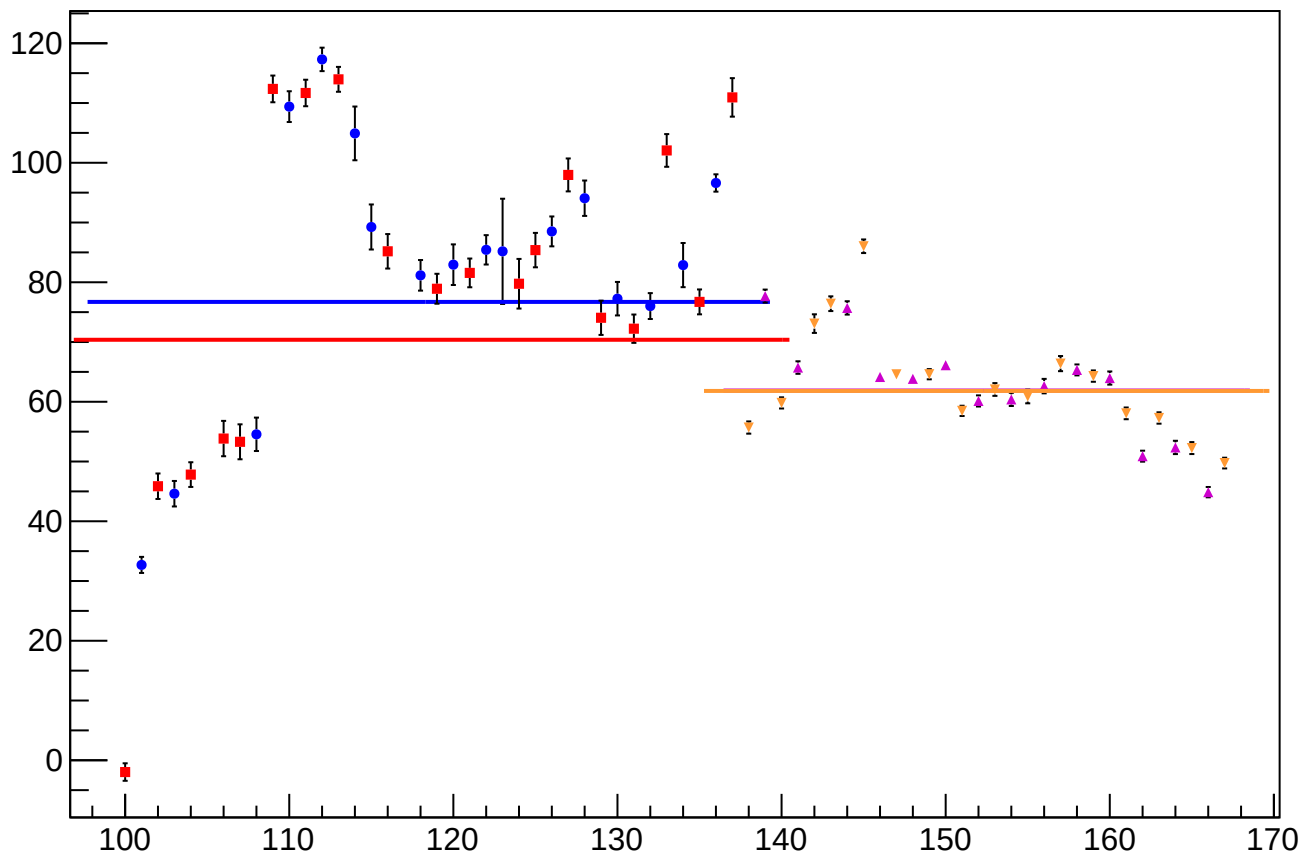
Right: 3.017 ± 0.224 $\chi^2/\text{NDF}: 579.8/35$

In: 1.592 ± 0.159 $\chi^2/\text{NDF}: 643.9/30$

Out: 1.677 ± 0.154 $\chi^2/\text{NDF}: 725.2/34$

All: 1.636 ± 0.111 $\chi^2/\text{NDF}: 1369.2/65$

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: 61.883 $\pm$ 0.259 χ^2/NDF :1043.4/13

Left: 61.847 $\pm$ 0.180 χ^2/NDF : 2095.8/29

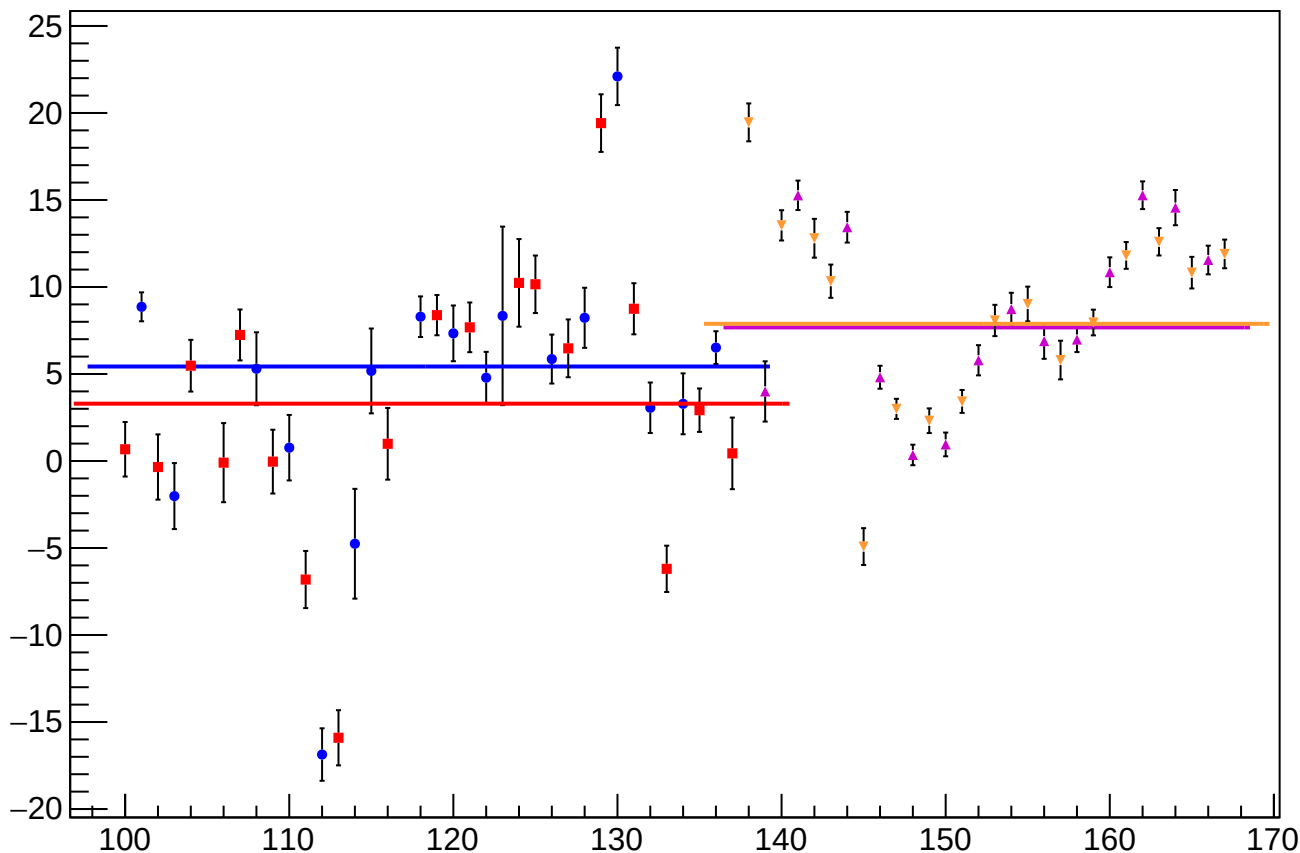
Right: 73.396 $\pm$ 0.398 χ^2/NDF : 6720.6/35

In: 64.368 $\pm$ 0.236 χ^2/NDF :3861.1/30

Out: 63.289 $\pm$ 0.228 χ^2/NDF :5643.8/34

All: 63.811 $\pm$ 0.164 χ^2/NDF : 9515.7/65

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 7.884 ± 0.208 $\chi^2/\text{NDF}: 608.1/15$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

Left In: 7.676 ± 0.218 $\chi^2/\text{NDF}: 578.5/13$

Left: 7.785 ± 0.150 $\chi^2/\text{NDF}: 1187.0/29$

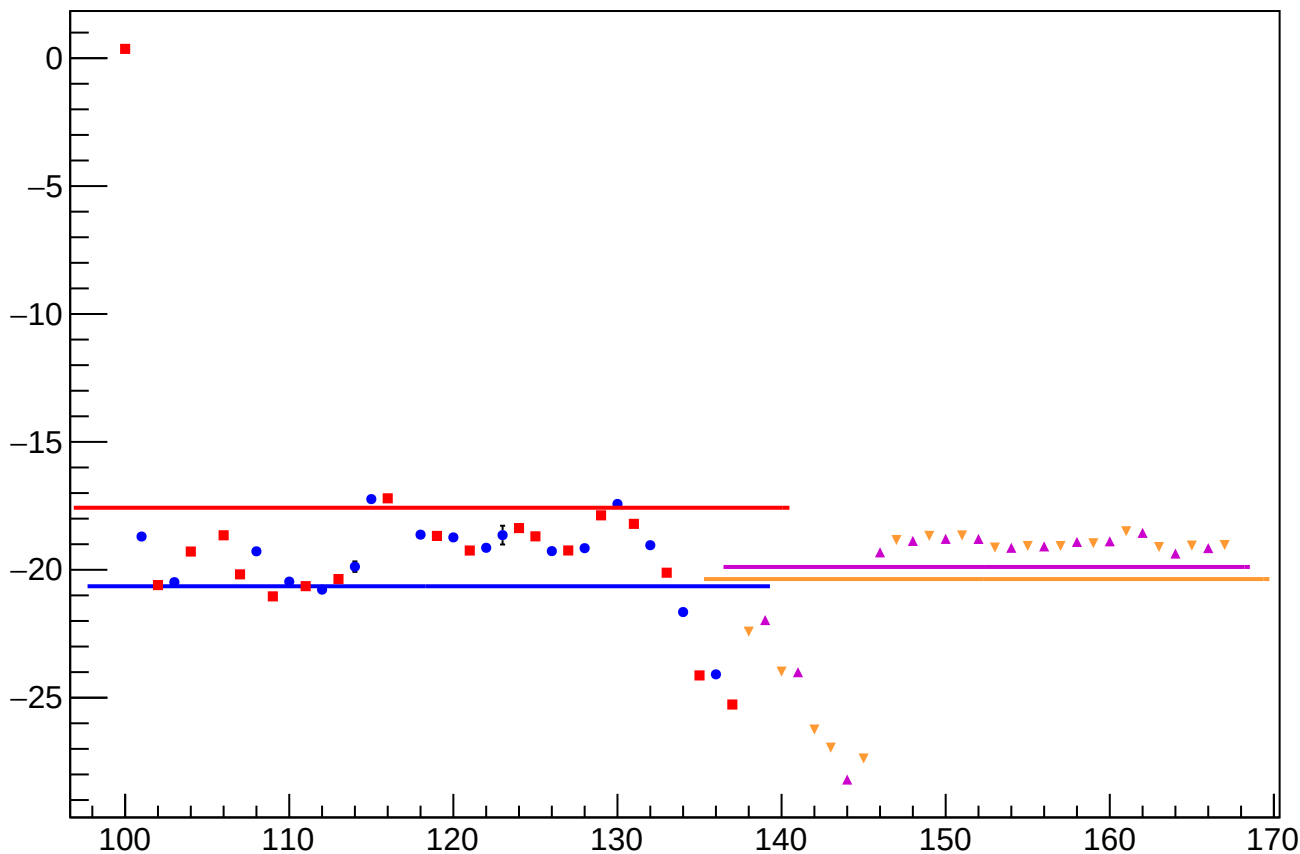
Right: 4.376 ± 0.257 $\chi^2/\text{NDF}: 829.3/35$

In: 7.076 ± 0.186 $\chi^2/\text{NDF}: 992.8/30$

Out: 6.761 ± 0.181 $\chi^2/\text{NDF}: 1153.5/34$

All: 6.913 ± 0.130 $\chi^2/\text{NDF}: 2147.7/65$

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: -19.889 $\pm$ 0.010 χ^2 /NDF: 48277.6/13

Left: -20.133 $\pm$ 0.007 χ^2 /NDF: 127132.8/29

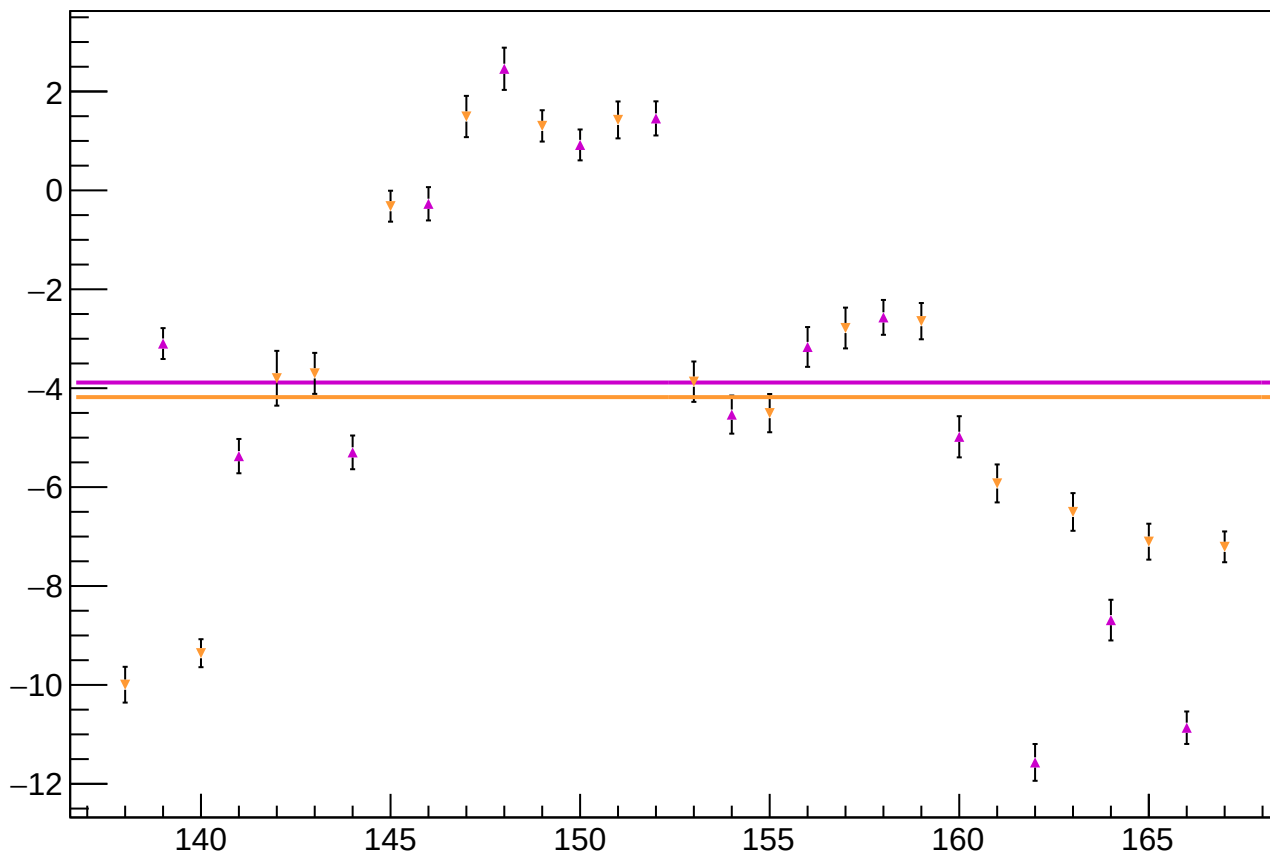
Right: -19.001 $\pm$ 0.013 χ^2 /NDF: 204262.7/35

In: -20.056 $\pm$ 0.009 χ^2 /NDF: 61930.1/30

Out: -19.706 $\pm$ 0.009 χ^2 /NDF: 274371.4/34

All: -19.874 $\pm$ 0.006 χ^2 /NDF: 337070.8/65

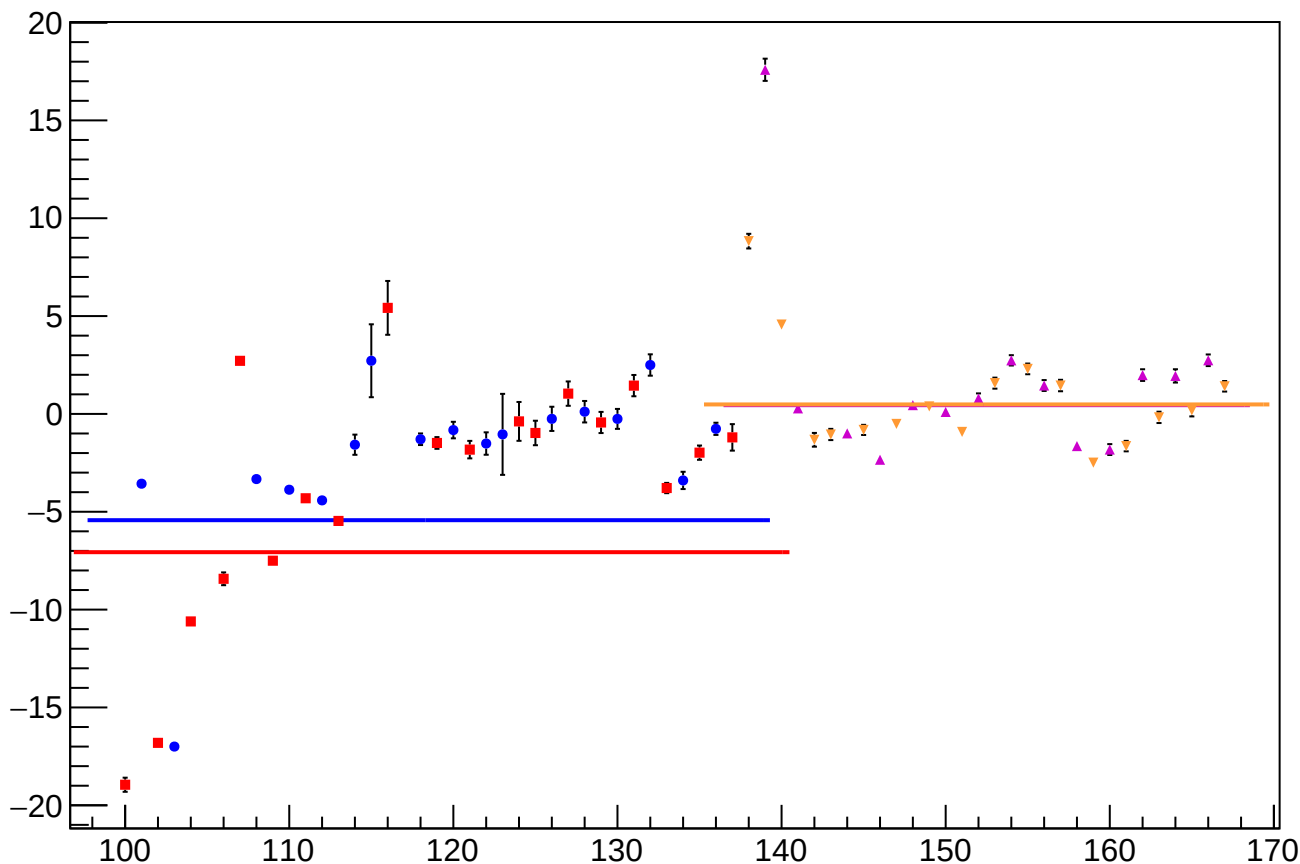
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -3.885+/-0.096 χ^2/NDF :1895.5/13

Left: -4.040+/-0.066 χ^2/NDF : 3605.4/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.885+/-0.096 χ^2/NDF :1895.5/13
 Out: -4.180+/-0.091 χ^2/NDF :1704.9/15
 All: -4.040+/-0.066 χ^2/NDF : 3605.4/29

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431 $\pm$ 0.055 χ^2 /NDF: 9233.8/16

Left Out: 0.485 $\pm$ 0.066 χ^2 /NDF:1233.2/15

Right Out: -7.066 $\pm$ 0.059 χ^2 /NDF: 12306.6/18

Left In: 0.446 $\pm$ 0.070 χ^2 /NDF:1457.8/13

Left: 0.467 $\pm$ 0.048 χ^2 /NDF: 2691.2/29

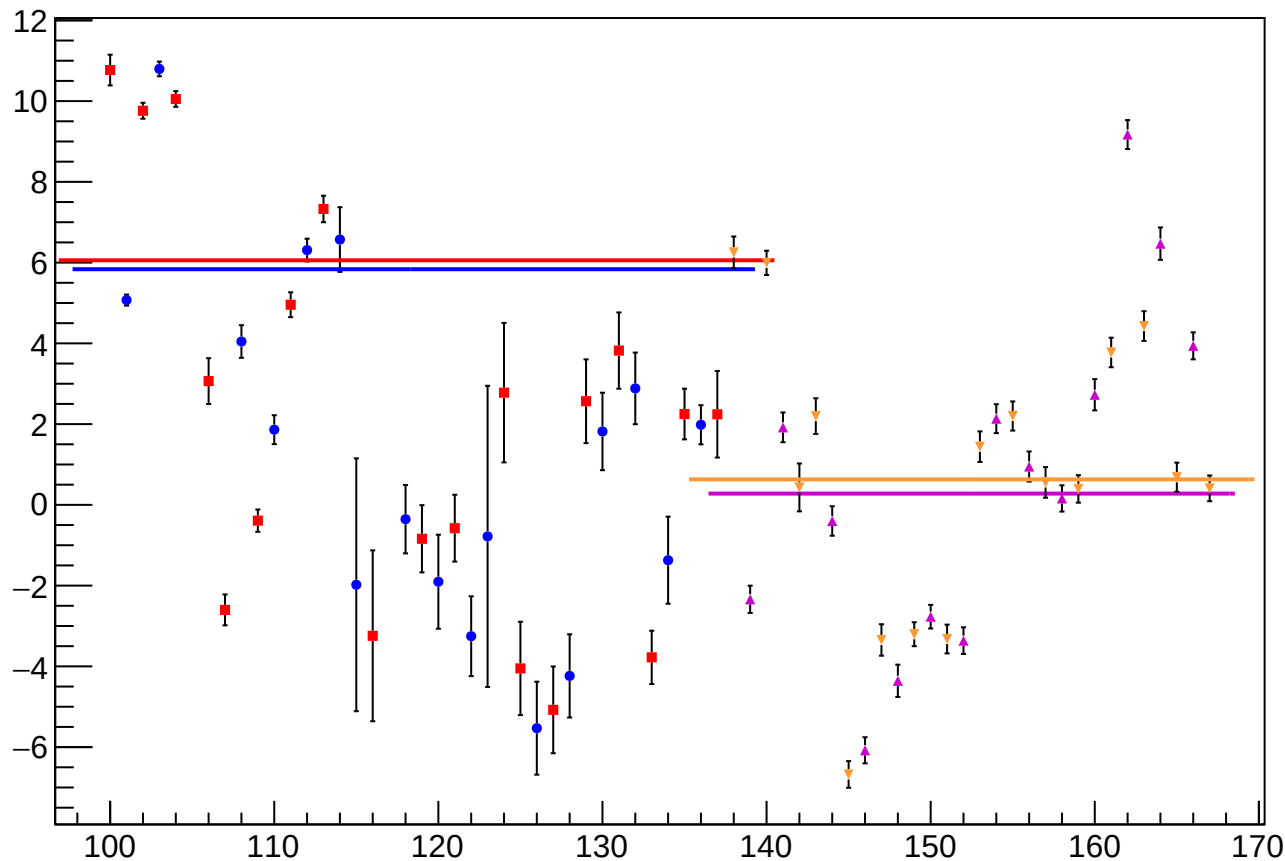
Right: -6.189 $\pm$ 0.040 χ^2 /NDF: 21952.0/35

In: -3.182 $\pm$ 0.043 χ^2 /NDF:15082.2/30

Out: -3.687 $\pm$ 0.044 χ^2 /NDF:20862.9/34

All: -3.430 $\pm$ 0.031 χ^2 /NDF: 36012.4/65

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: 0.631 ± 0.090 $\chi^2/\text{NDF}: 1623.3/15$

Right Out: 6.057 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

Left In: 0.279 ± 0.094 $\chi^2/\text{NDF}: 1880.8/13$

Left: 0.461 ± 0.065 $\chi^2/\text{NDF}: 3511.4/29$

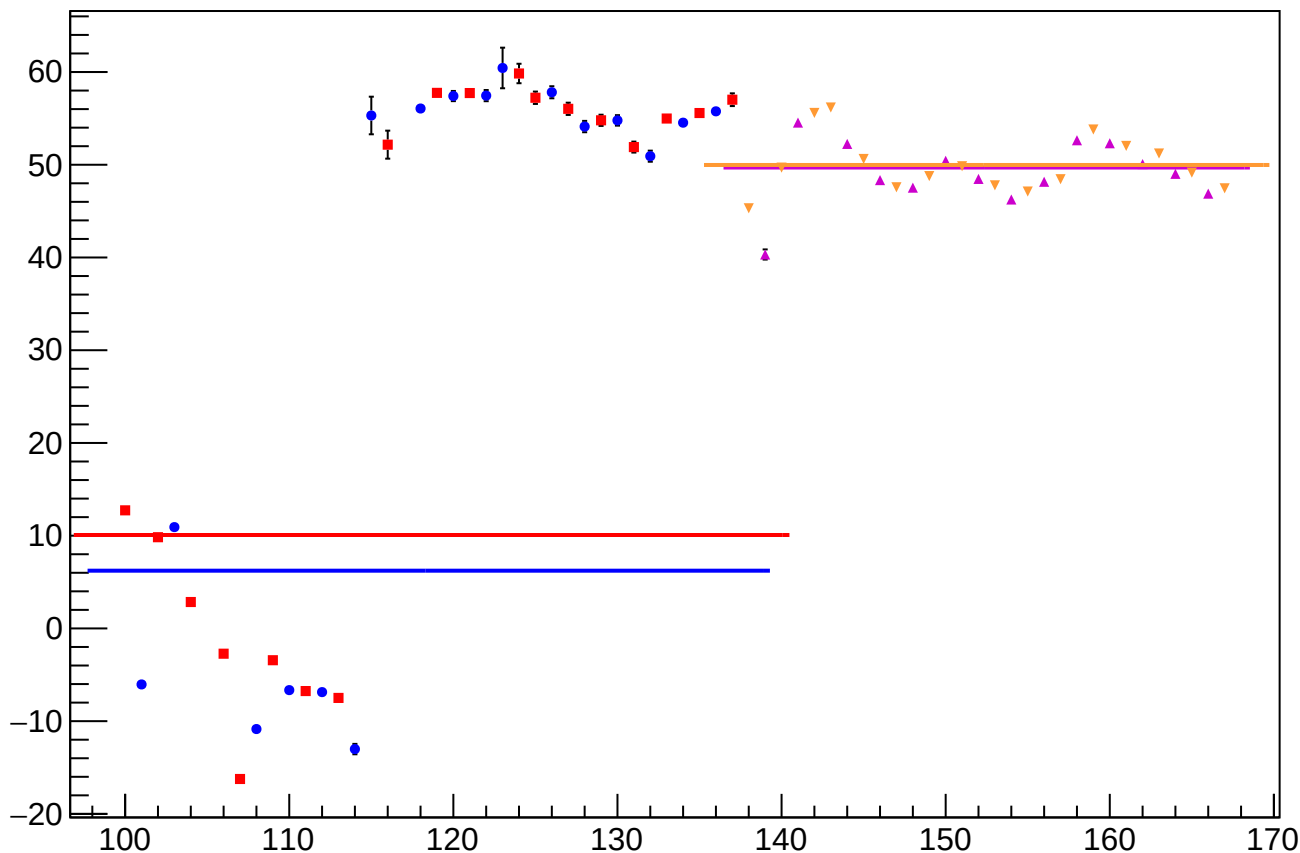
Right: 5.942 ± 0.065 $\chi^2/\text{NDF}: 4112.7/35$

In: 3.174 ± 0.065 $\chi^2/\text{NDF}: 5161.9/30$

Out: 3.250 ± 0.065 $\chi^2/\text{NDF}: 6041.4/34$

All: 3.212 ± 0.046 $\chi^2/\text{NDF}: 11204.0/65$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 49.976+/-0.076 χ^2/NDF :1234.2/15

Right Out: 10.075+/-0.070 χ^2/NDF : 122049.3/18

Left In: 49.700+/-0.080 χ^2/NDF :1184.5/13

Left: 49.845+/-0.055 χ^2/NDF : 2425.0/29

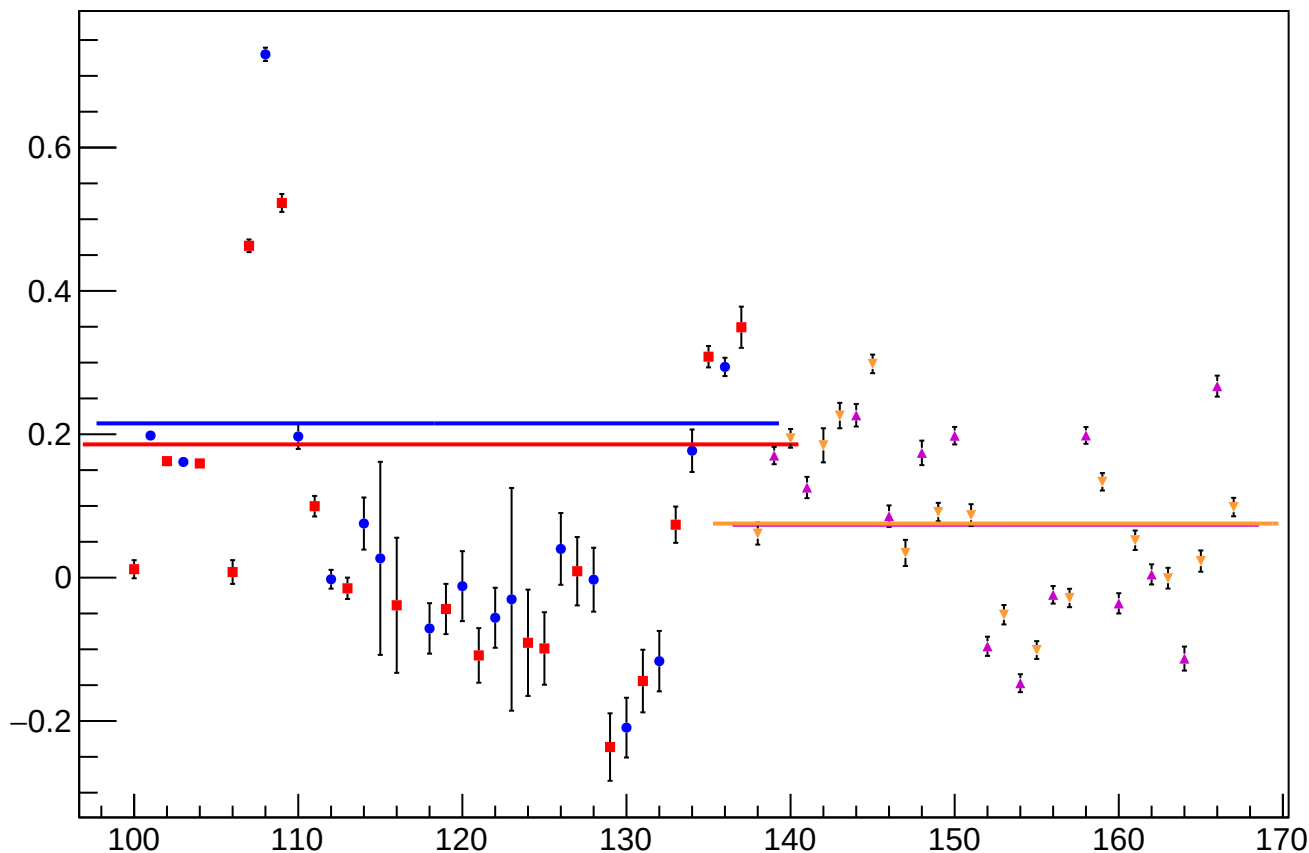
Right: 8.011+/-0.047 χ^2/NDF : 244638.0/35

In: 23.359+/-0.050 χ^2/NDF :299362.5/30

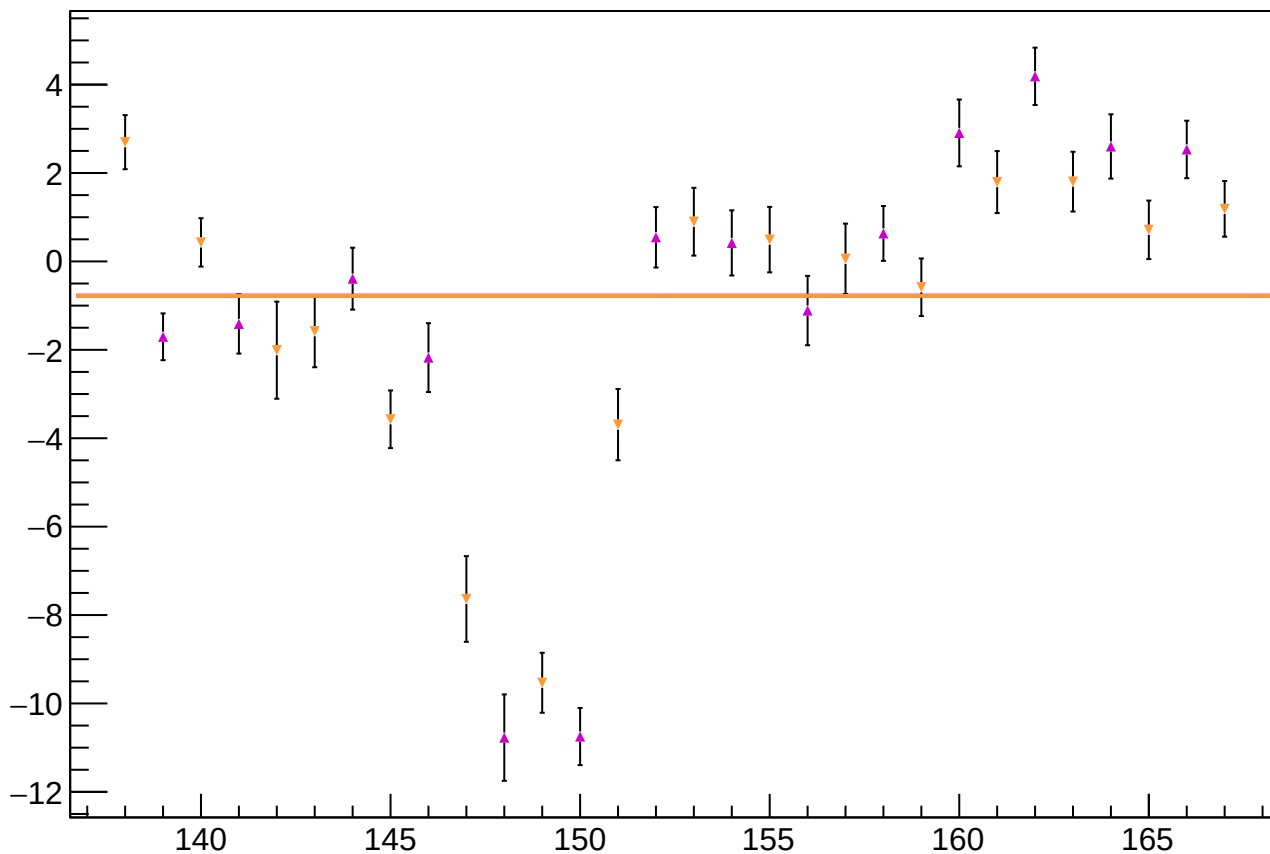
Out: 28.276+/-0.051 χ^2/NDF :272611.8/34

All: 25.771+/-0.036 χ^2/NDF : 576630.3/65

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



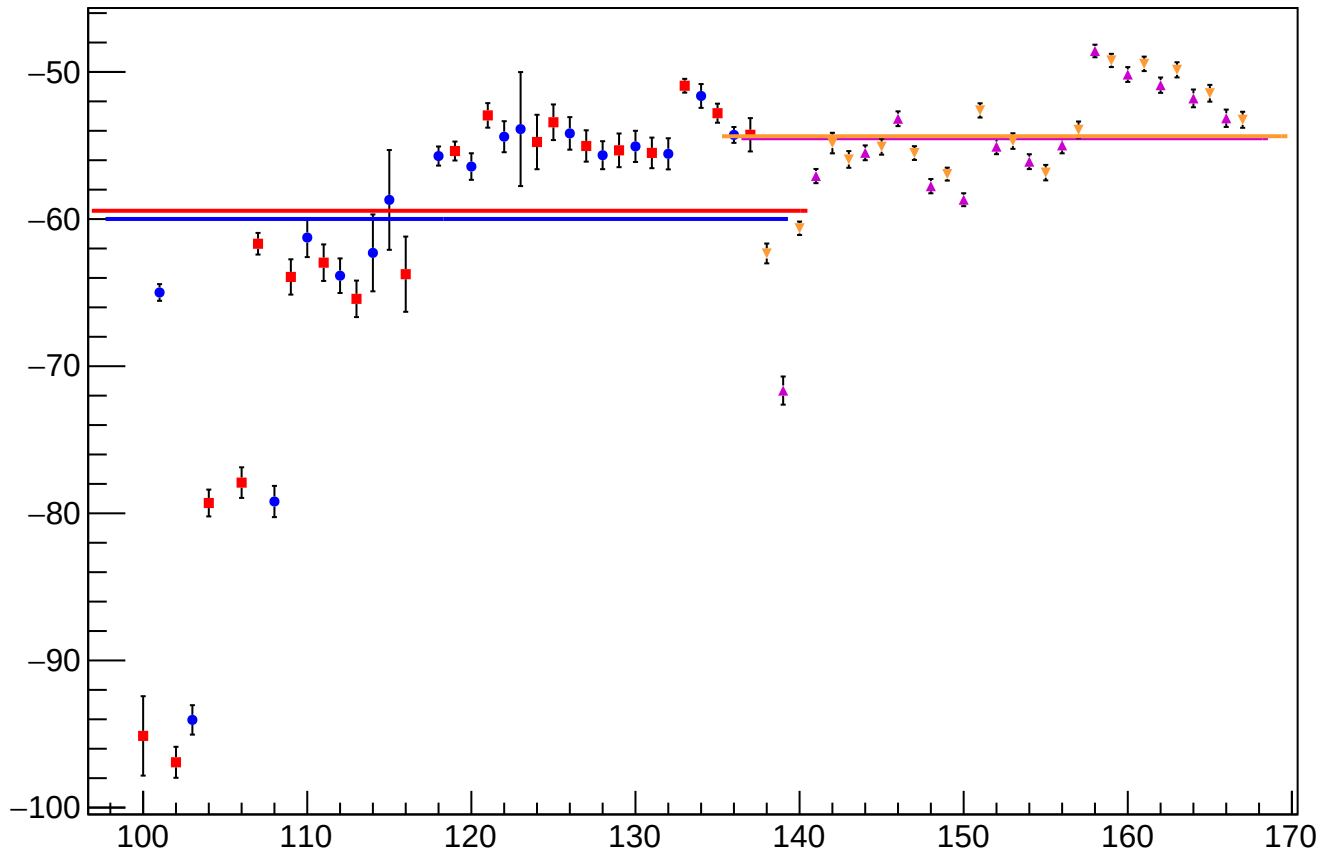
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -0.775 $\pm$ 0.184 χ^2 /NDF:491.6/13

Left: -0.777 $\pm$ 0.128 χ^2 /NDF: 830.5/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.775 $\pm$ 0.184 χ^2 /NDF:491.6/13
 Out: -0.779 $\pm$ 0.177 χ^2 /NDF:338.8/15
 All: -0.777 $\pm$ 0.128 χ^2 /NDF: 830.5/29

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 $\pm$ 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.370 $\pm$ 0.130 χ^2/NDF : 751.8/15

Right Out: -59.435 $\pm$ 0.212 χ^2/NDF : 2917.9/18

Left In: -54.505 $\pm$ 0.138 χ^2/NDF : 845.1/13

Left: -54.434 $\pm$ 0.095 χ^2/NDF : 1597.5/29

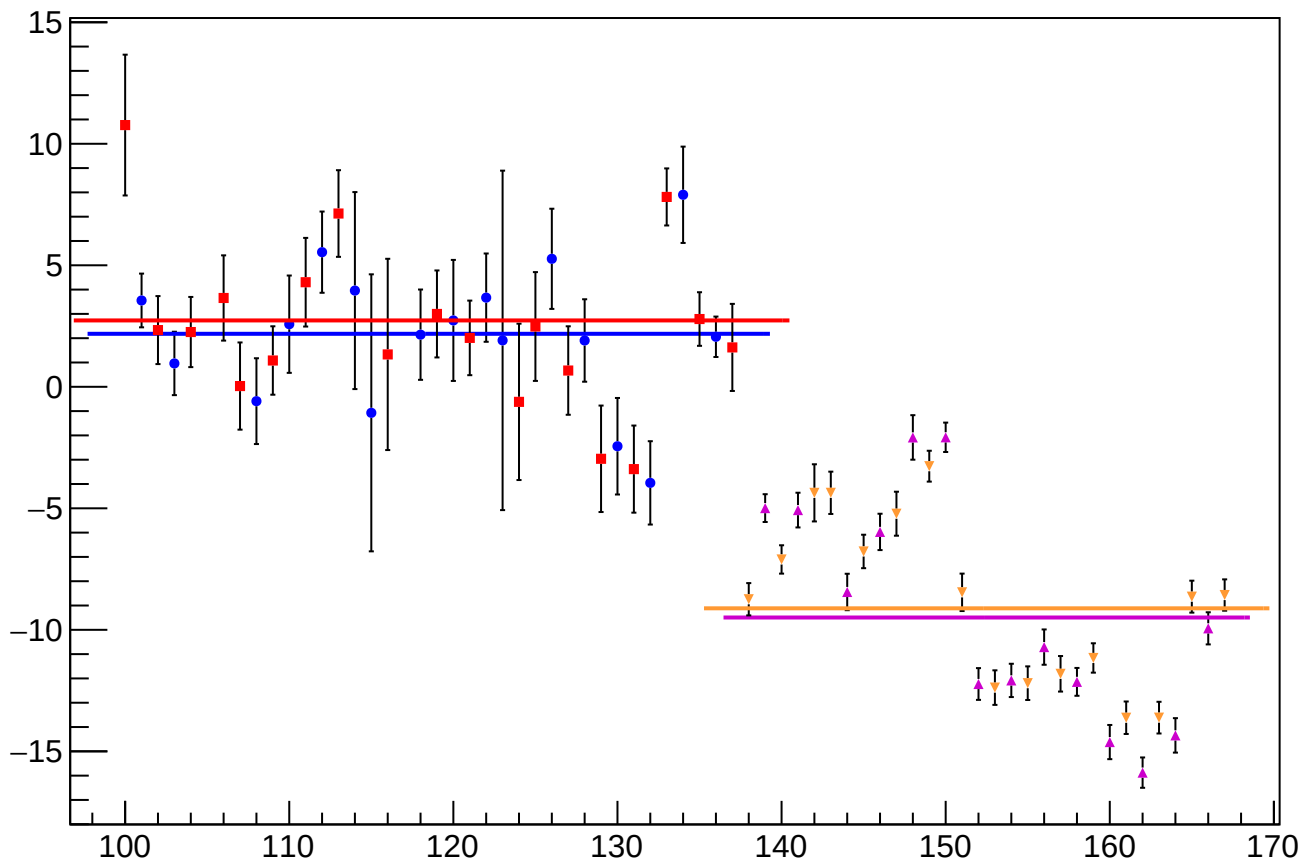
Right: -59.697 $\pm$ 0.154 χ^2/NDF : 4894.0/35

In: -56.007 $\pm$ 0.118 χ^2/NDF : 3250.0/30

Out: -55.756 $\pm$ 0.111 χ^2/NDF : 4084.6/34

All: -55.874 $\pm$ 0.081 χ^2/NDF : 7337.0/65

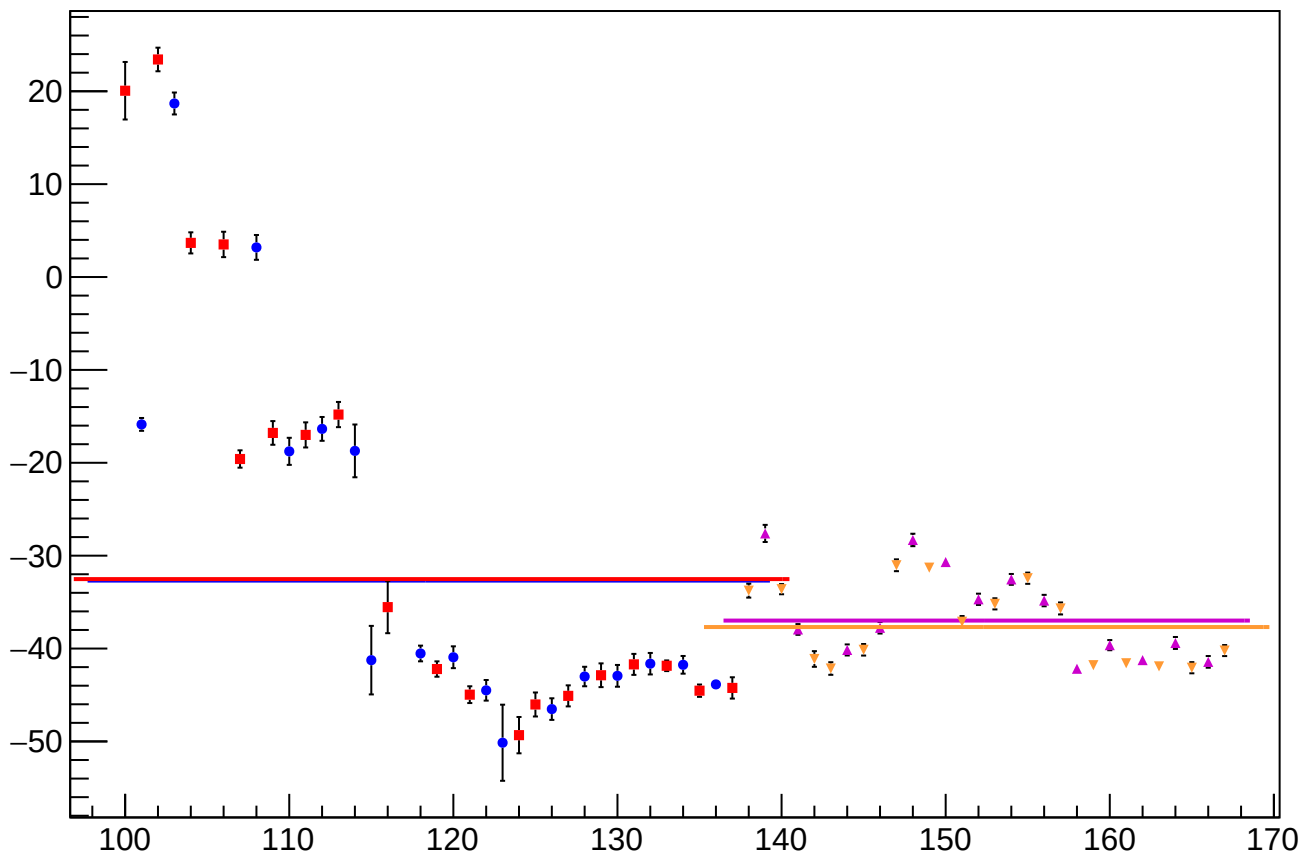
reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -9.493 ± 0.180 $\chi^2/\text{NDF}: 601.0/13$

Left: -9.299 ± 0.125 $\chi^2/\text{NDF}: 937.3/29$
 Right: 2.468 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$
 In: -7.569 ± 0.165 $\chi^2/\text{NDF}: 1331.8/30$
 Out: -7.116 ± 0.159 $\chi^2/\text{NDF}: 1167.9/34$
 All: -7.335 ± 0.115 $\chi^2/\text{NDF}: 2503.6/65$

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: -36.988 ± 0.157 $\chi^2/\text{NDF}: 822.3/13$

Left: -37.354 ± 0.108 $\chi^2/\text{NDF}: 1612.0/29$

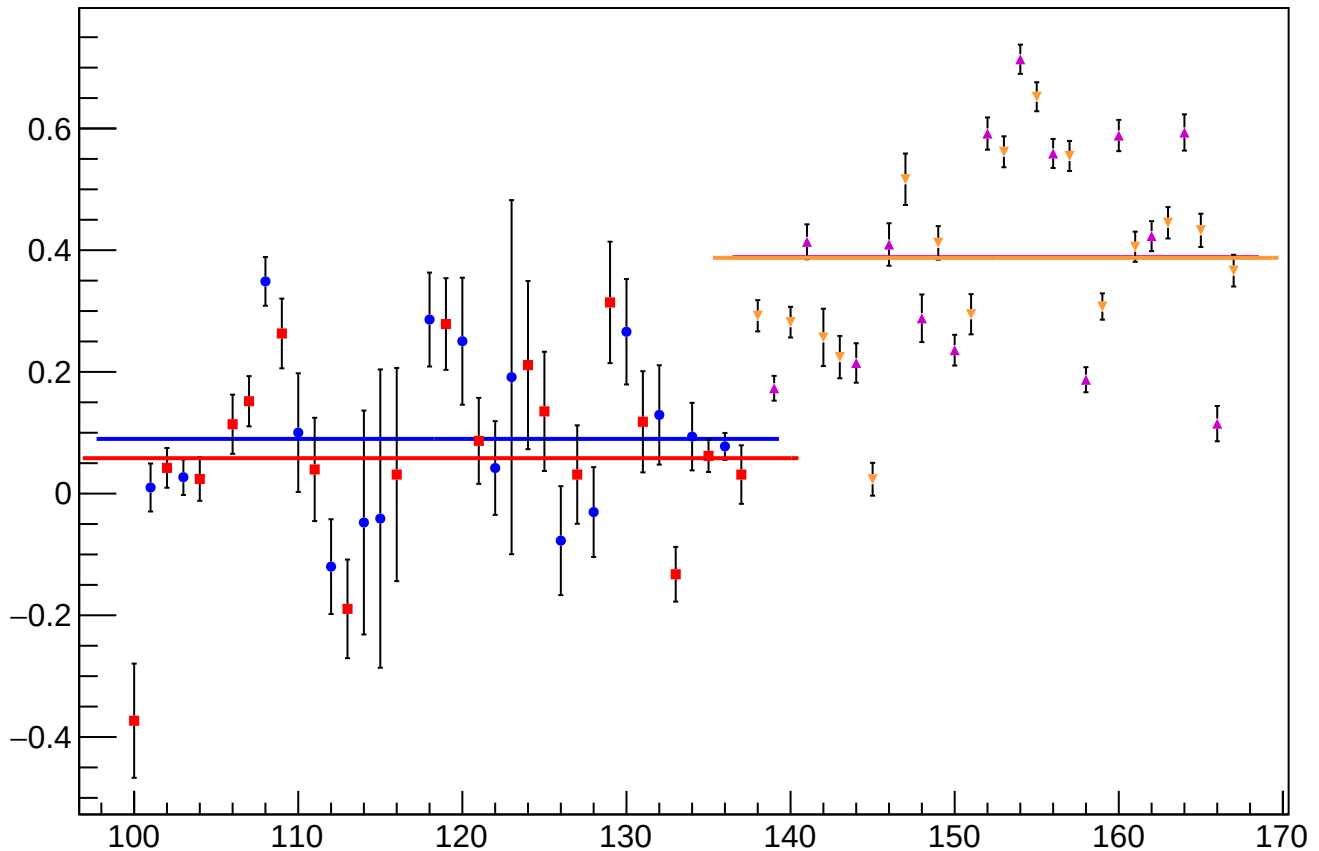
Right: -32.599 ± 0.177 $\chi^2/\text{NDF}: 10692.4/35$

In: -35.809 ± 0.134 $\chi^2/\text{NDF}: 5675.0/30$

Out: -36.281 ± 0.127 $\chi^2/\text{NDF}: 7150.4/34$

All: -36.057 ± 0.092 $\chi^2/\text{NDF}: 12832.0/65$

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: 0.389 ± 0.007 $\chi^2/\text{NDF}: 773.2/13$

Left: 0.388 ± 0.005 $\chi^2/\text{NDF}: 1272.9/29$

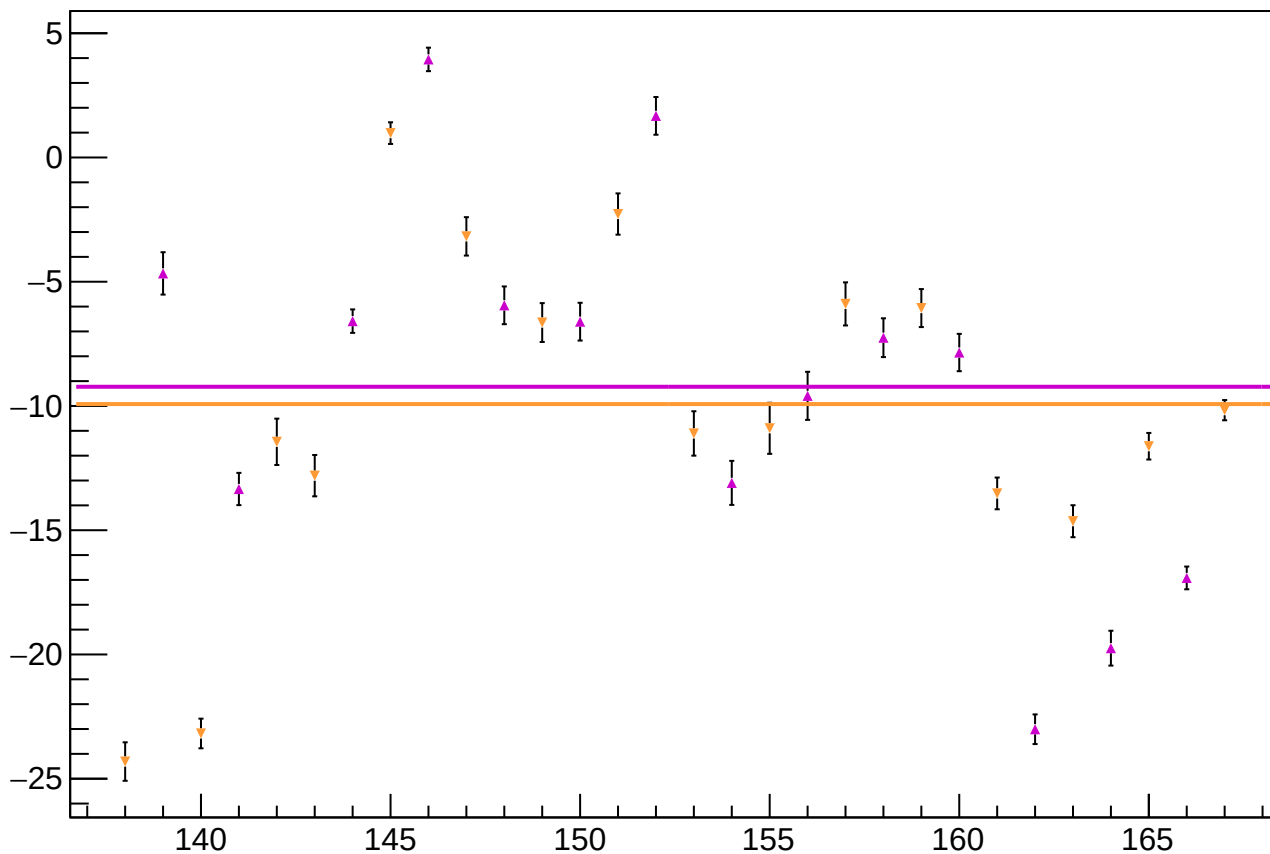
Right: 0.073 ± 0.009 $\chi^2/\text{NDF}: 169.1/35$

In: 0.319 ± 0.006 $\chi^2/\text{NDF}: 1273.8/30$

Out: 0.309 ± 0.006 $\chi^2/\text{NDF}: 1144.1/34$

All: 0.314 ± 0.004 $\chi^2/\text{NDF}: 2419.3/65$

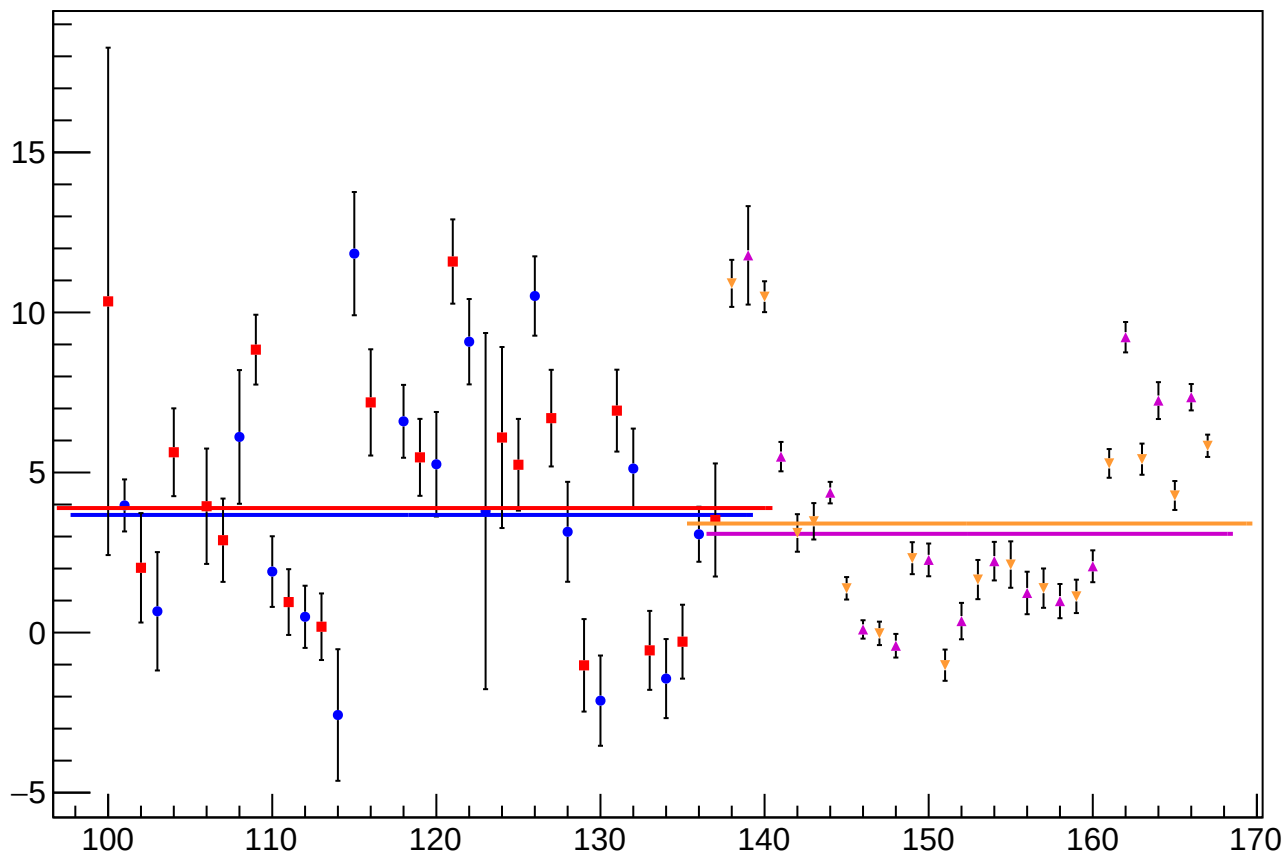
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -9.924 $\pm$ 0.165 χ^2/NDF :1802.8/15
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -9.227 $\pm$ 0.173 χ^2/NDF :2183.7/13

Left: -9.593 $\pm$ 0.120 χ^2/NDF : 3994.9/29
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -9.227 $\pm$ 0.173 χ^2/NDF :2183.7/13
 Out: -9.924 $\pm$ 0.165 χ^2/NDF :1802.8/15
 All: -9.593 $\pm$ 0.120 χ^2/NDF : 3994.9/29

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 $\pm$ 0.310 χ^2 /NDF: 135.2/16

Left Out: 3.406 $\pm$ 0.120 χ^2 /NDF: 656.4/15

Right Out: 3.890 $\pm$ 0.316 χ^2 /NDF: 133.7/18

Left In: 3.085 $\pm$ 0.123 χ^2 /NDF: 654.0/13

Left: 3.249 $\pm$ 0.086 χ^2 /NDF: 1313.9/29

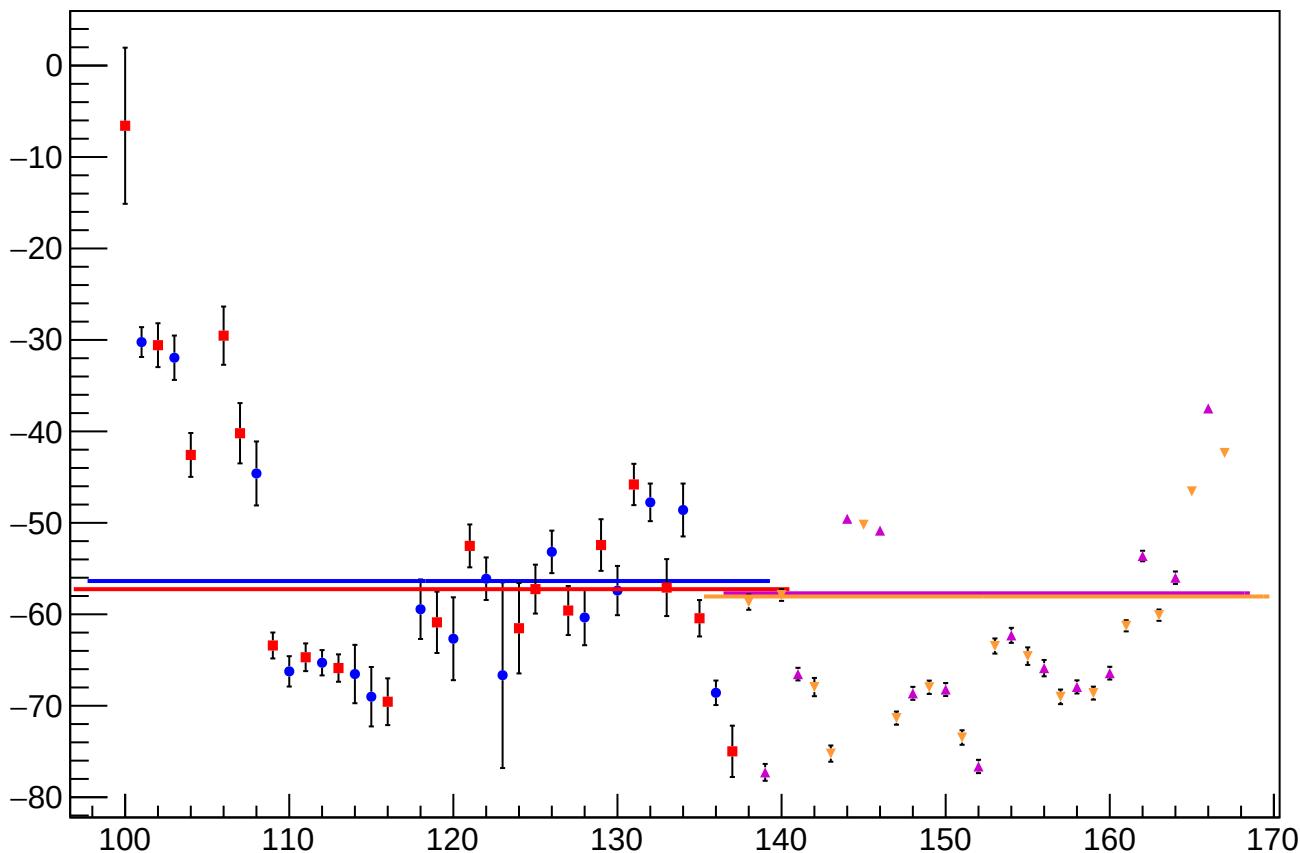
Right: 3.780 $\pm$ 0.221 χ^2 /NDF: 269.1/35

In: 3.165 $\pm$ 0.114 χ^2 /NDF: 792.3/30

Out: 3.467 $\pm$ 0.112 χ^2 /NDF: 792.2/34

All: 3.318 $\pm$ 0.080 χ^2 /NDF: 1588.1/65

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: -57.705 ± 0.171 χ^2/NDF : 4646.4/13

Left: -57.885 ± 0.118 χ^2/NDF : 8735.4/29

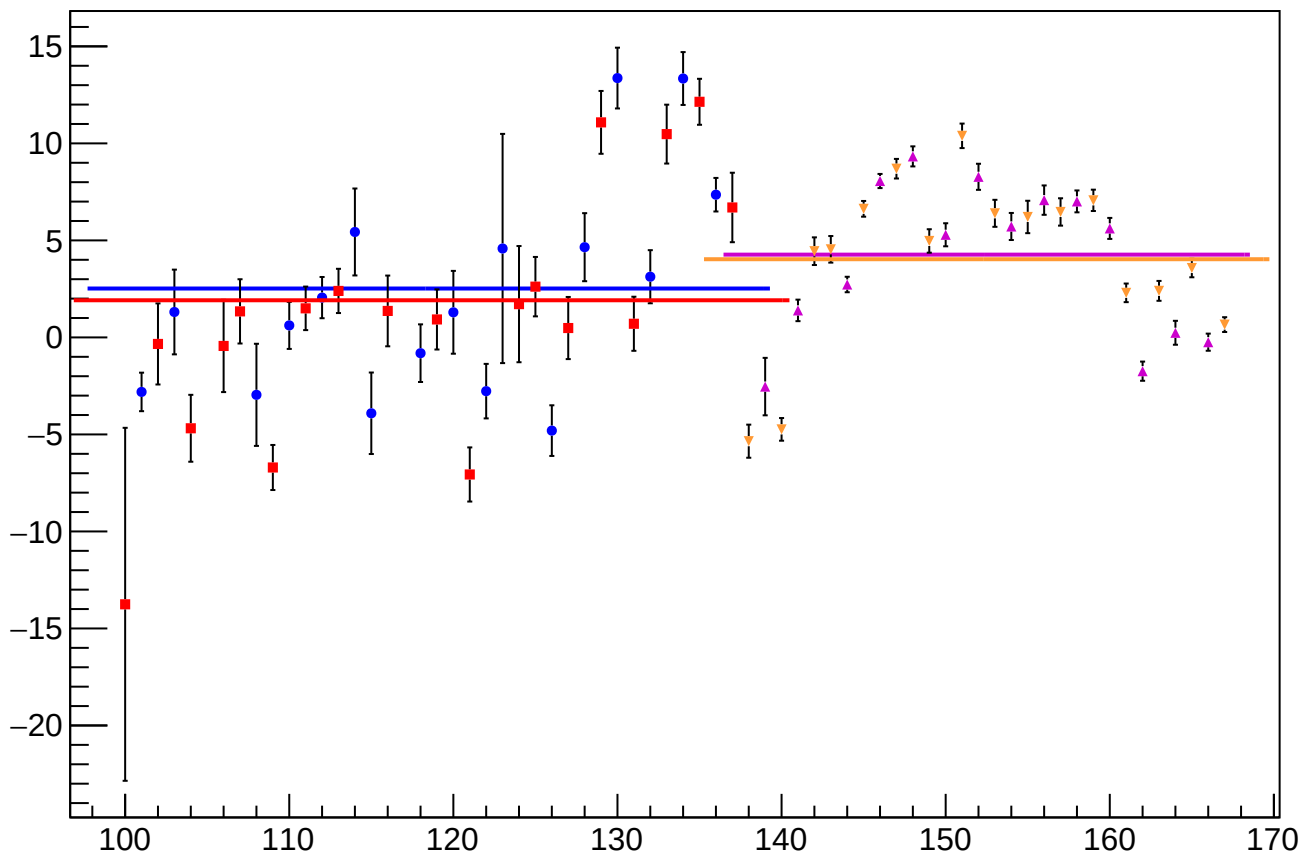
Right: -56.813 ± 0.382 χ^2/NDF : 1064.6/35

In: -57.585 ± 0.163 χ^2/NDF : 5239.2/30

Out: -57.983 ± 0.157 χ^2/NDF : 4564.9/34

All: -57.791 ± 0.113 χ^2/NDF : 9807.2/65

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 4.030 ± 0.139 χ^2/NDF : 740.3/15

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

Left In: 4.266 ± 0.144 χ^2/NDF : 648.4/13

Left: 4.144 ± 0.100 χ^2/NDF : 1390.1/29

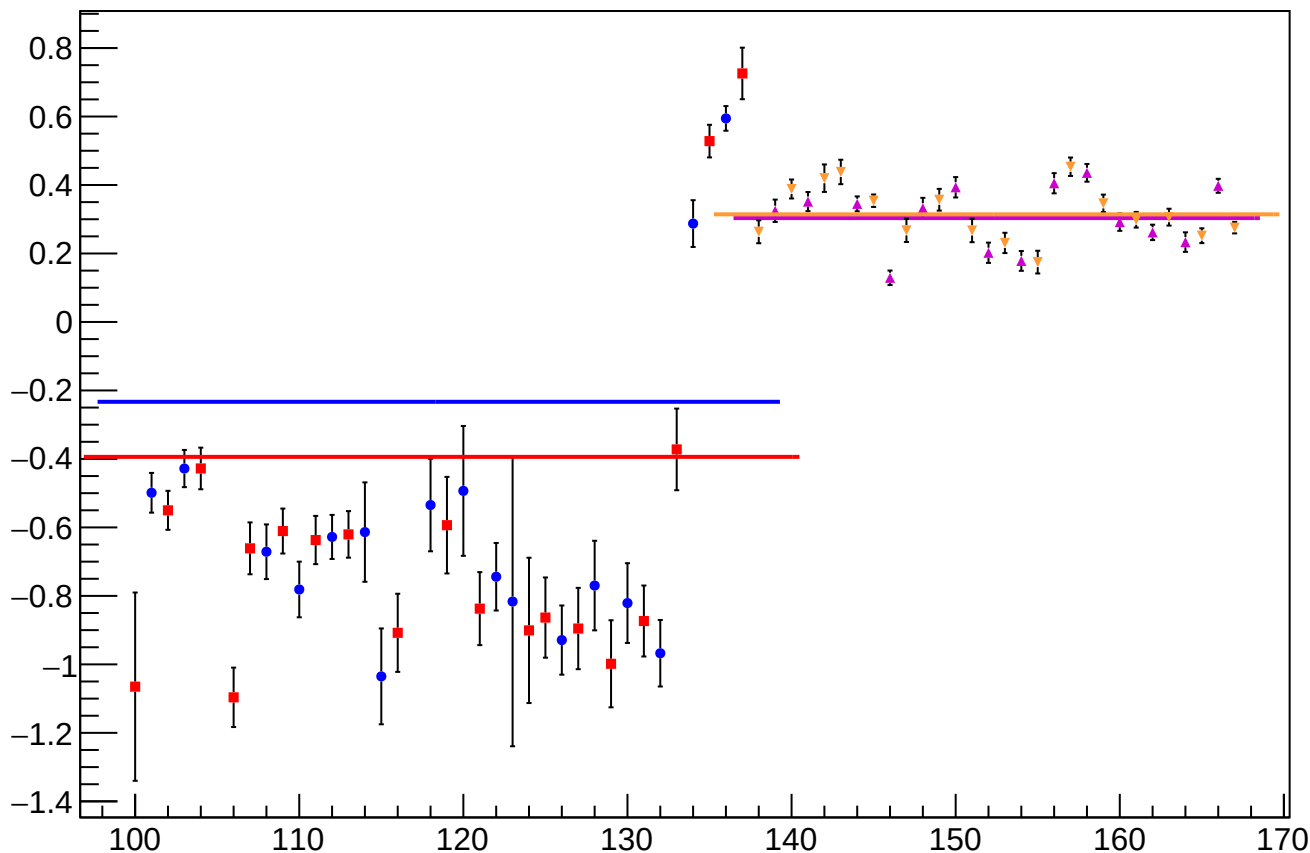
Right: 2.224 ± 0.248 χ^2/NDF : 508.4/35

In: 4.011 ± 0.133 χ^2/NDF : 912.4/30

Out: 3.749 ± 0.129 χ^2/NDF : 1035.6/34

All: 3.877 ± 0.093 χ^2/NDF : 1950.0/65

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: 0.303 ± 0.007 χ^2/NDF : 184.2/13

Left: 0.309 ± 0.005 χ^2/NDF : 292.5/29

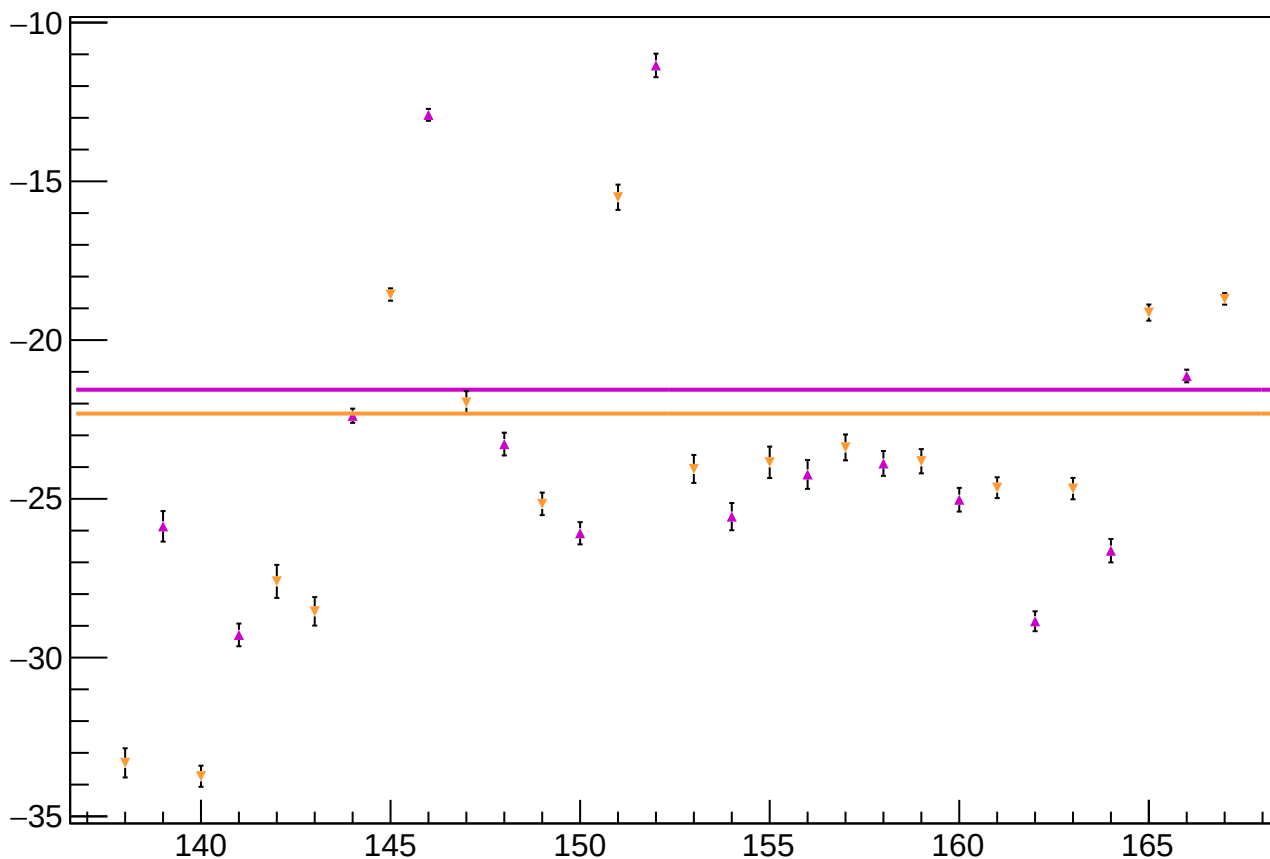
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.240 ± 0.007 χ^2/NDF : 1851.3/30

Out: 0.240 ± 0.006 χ^2/NDF : 2197.0/34

All: 0.240 ± 0.004 χ^2/NDF : 4048.3/65

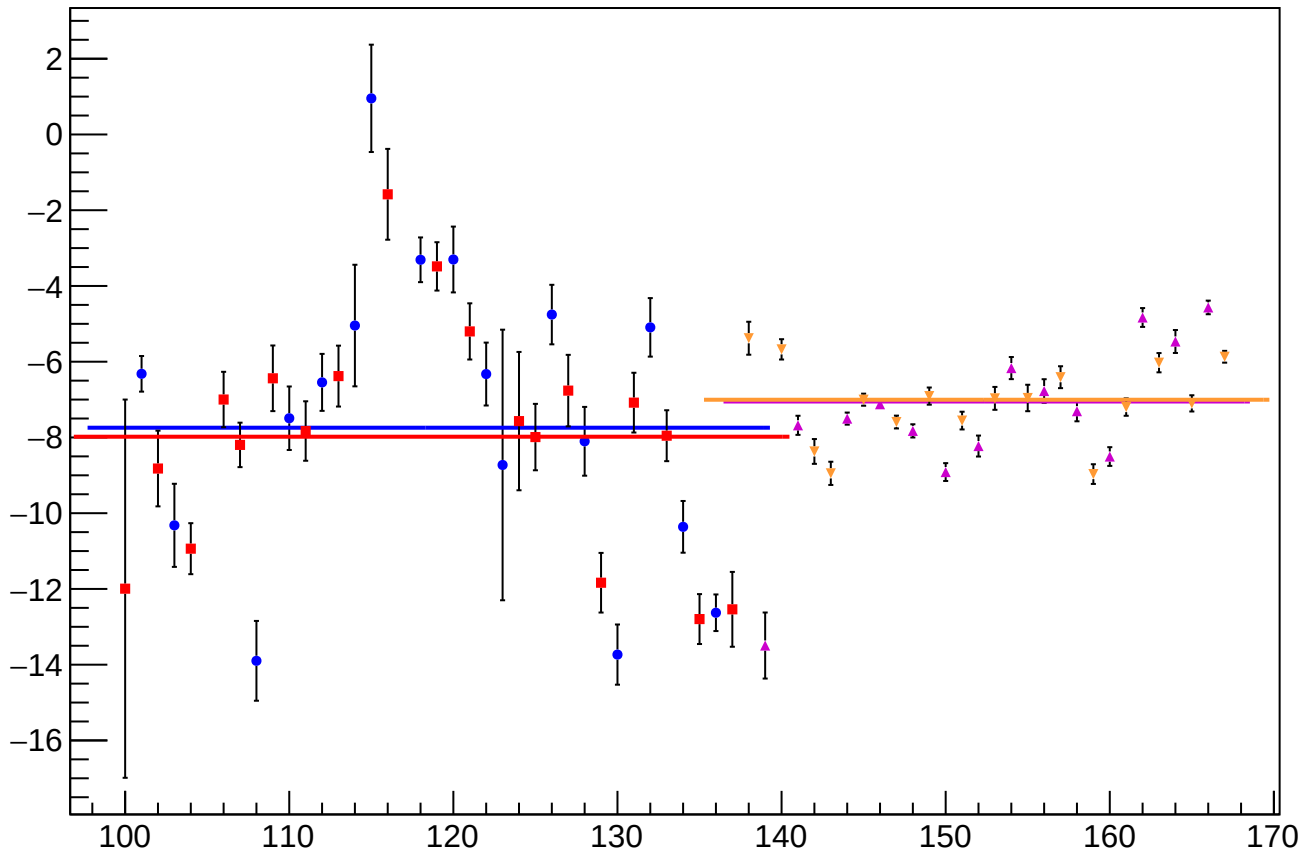
reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -22.315 $\pm$ 0.080 χ^2 /NDF:3478.6/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -21.563 $\pm$ 0.082 χ^2 /NDF:4625.0/13

Left: -21.947 $\pm$ 0.057 χ^2 /NDF: 8147.0/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -21.563 $\pm$ 0.082 χ^2 /NDF:4625.0/13
 Out: -22.315 $\pm$ 0.080 χ^2 /NDF:3478.6/15
 All: -21.947 $\pm$ 0.057 χ^2 /NDF: 8147.0/29

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: -7.051 ± 0.057 χ^2/NDF : 512.4/13

Left: -7.028 ± 0.041 χ^2/NDF : 756.5/29

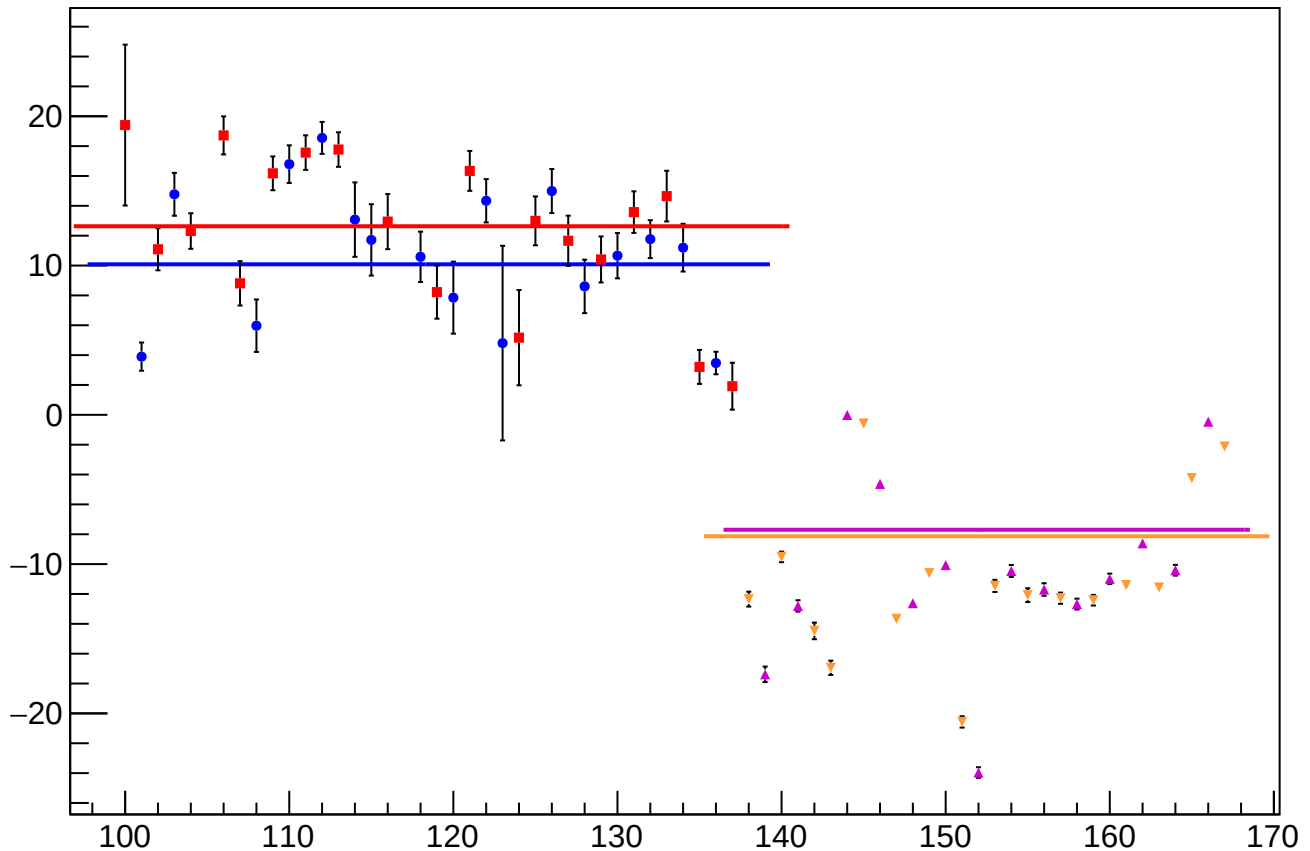
Right: -7.863 ± 0.132 χ^2/NDF : 601.9/35

In: -7.111 ± 0.055 χ^2/NDF : 902.4/30

Out: -7.092 ± 0.056 χ^2/NDF : 492.5/34

All: -7.101 ± 0.039 χ^2/NDF : 1394.9/65

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$

Left Out: -8.135 ± 0.080 $\chi^2/\text{NDF}: 5206.2/15$

Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$

Left In: -7.699 ± 0.080 $\chi^2/\text{NDF}: 5970.6/13$

Left: -7.919 ± 0.056 $\chi^2/\text{NDF}: 11191.6/29$

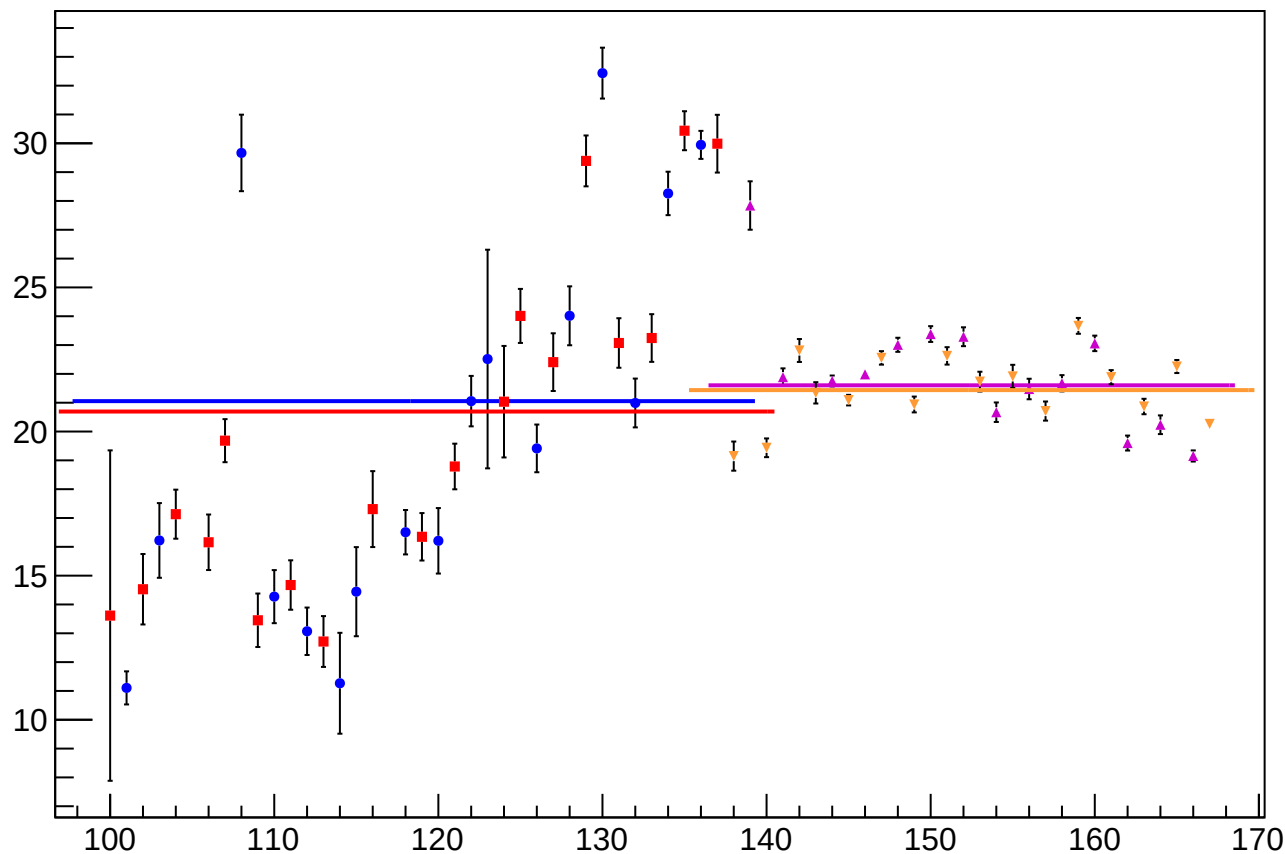
Right: 11.377 ± 0.237 $\chi^2/\text{NDF}: 500.1/35$

In: -6.752 ± 0.078 $\chi^2/\text{NDF}: 8844.9/30$

Out: -7.011 ± 0.077 $\chi^2/\text{NDF}: 9110.9/34$

All: -6.883 ± 0.055 $\chi^2/\text{NDF}: 17961.4/65$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 ± 0.211 $\chi^2/\text{NDF}: 1211.8/16$

Left Out: 21.437 ± 0.067 $\chi^2/\text{NDF}: 256.7/15$

Right Out: 20.694 ± 0.213 $\chi^2/\text{NDF}: 724.1/18$

Left In: 21.603 ± 0.067 $\chi^2/\text{NDF}: 441.4/13$

Left: 21.520 ± 0.048 $\chi^2/\text{NDF}: 701.1/29$

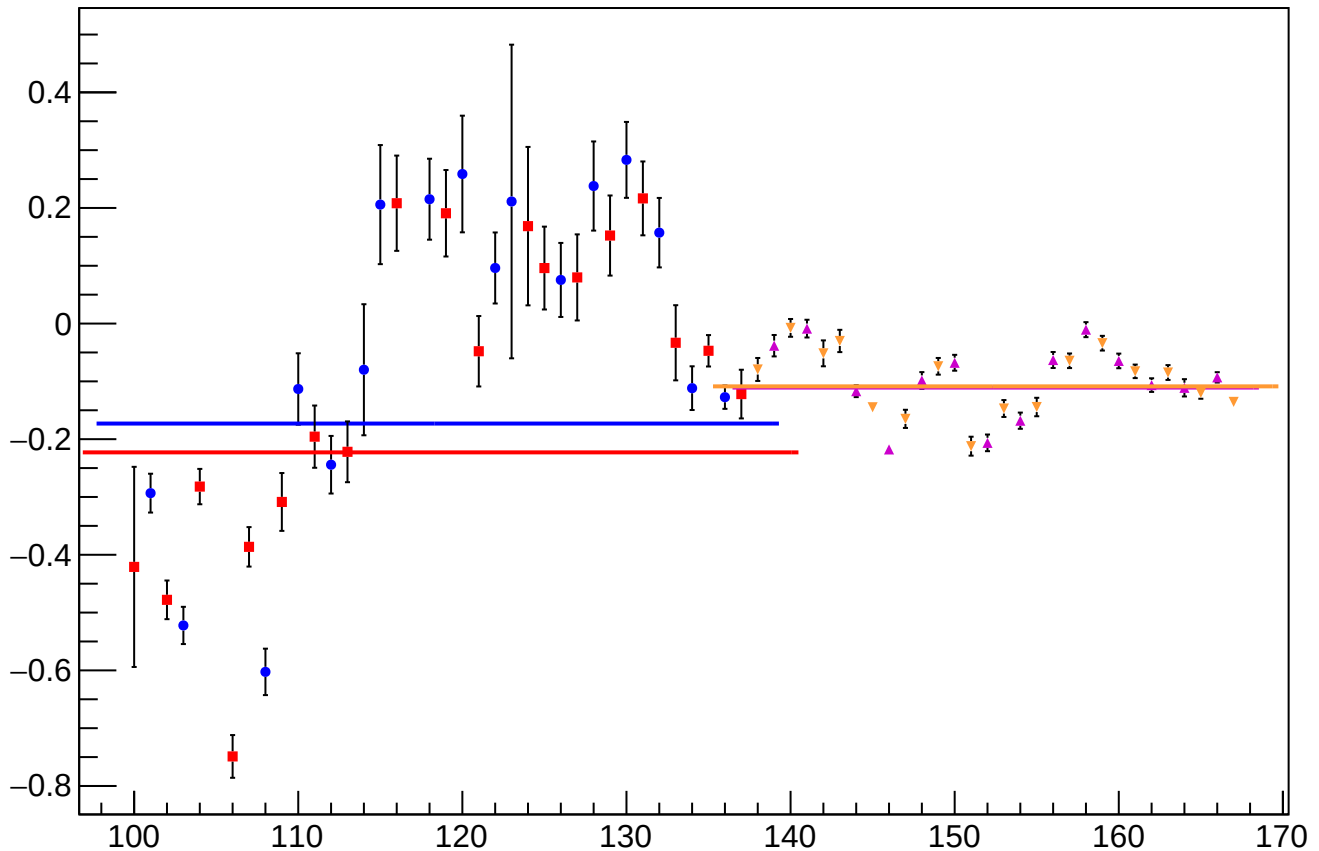
Right: 20.876 ± 0.150 $\chi^2/\text{NDF}: 1937.3/35$

In: 21.552 ± 0.064 $\chi^2/\text{NDF}: 1659.3/30$

Out: 21.370 ± 0.064 $\chi^2/\text{NDF}: 991.9/34$

All: 21.461 ± 0.045 $\chi^2/\text{NDF}: 2655.2/65$

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: -0.111 ± 0.003 χ^2/NDF : 380.4/13

Left: -0.110 ± 0.002 χ^2/NDF : 608.5/29

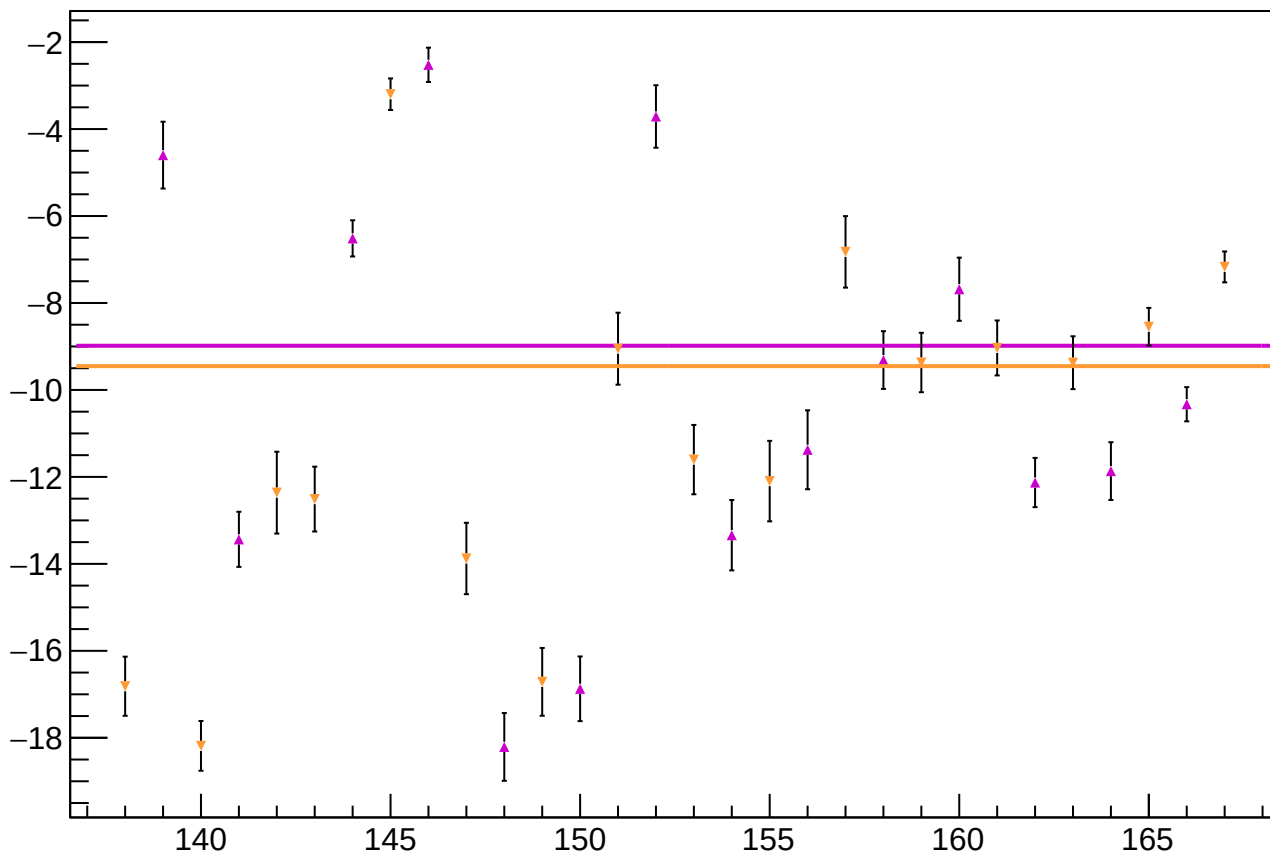
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.116 ± 0.003 χ^2/NDF : 870.6/30

Out: -0.117 ± 0.003 χ^2/NDF : 863.3/34

All: -0.117 ± 0.002 χ^2/NDF : 1734.1/65

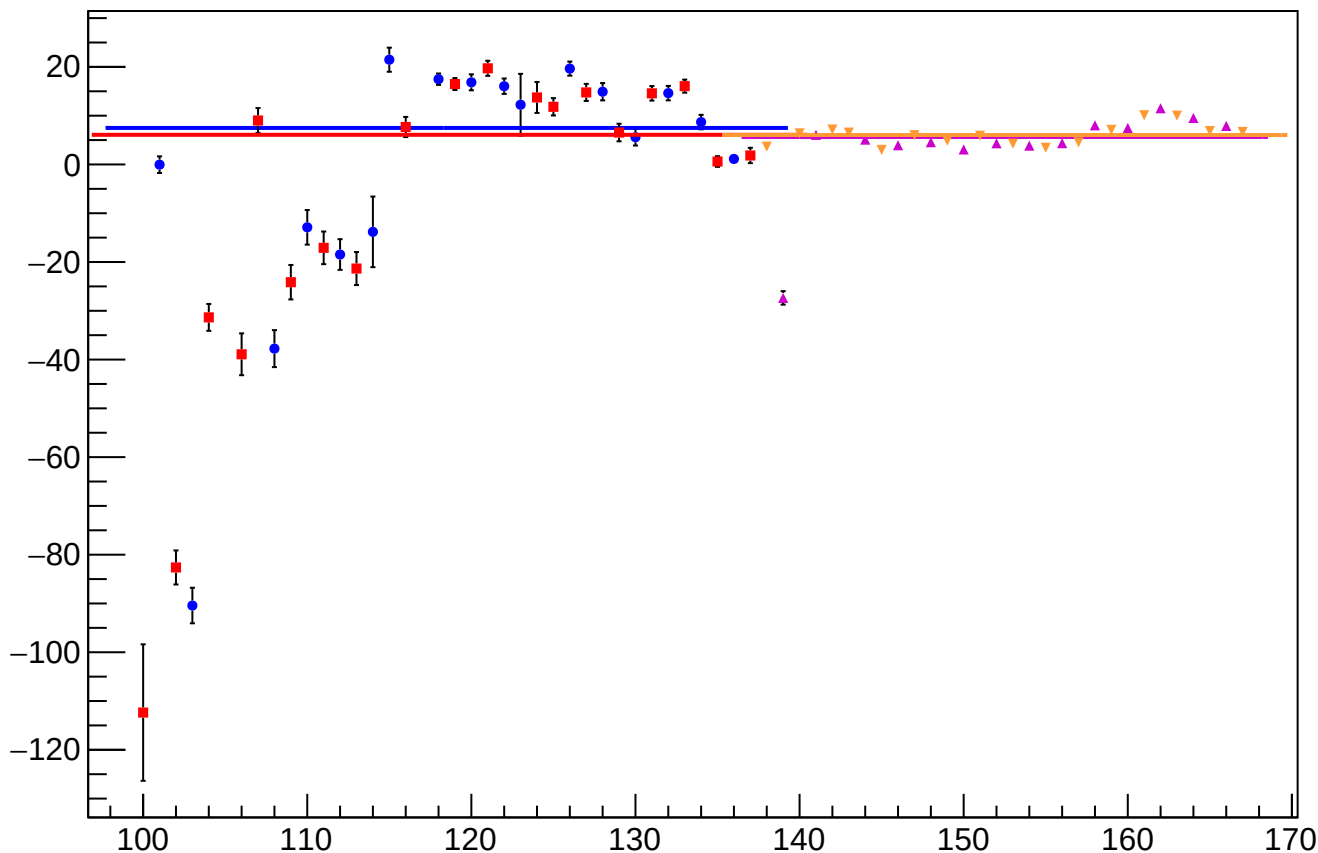
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.452+/-0.149 χ^2/NDF : 861.8/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.984+/-0.157 χ^2/NDF : 792.6/13

Left: -9.231+/-0.108 χ^2/NDF : 1659.0/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.984+/-0.157 χ^2/NDF : 792.6/13
 Out: -9.452+/-0.149 χ^2/NDF : 861.8/15
 All: -9.231+/-0.108 χ^2/NDF : 1659.0/29

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: 5.639 ± 0.113 $\chi^2/\text{NDF}: 978.9/13$

Left: 5.840 ± 0.079 $\chi^2/\text{NDF}: 1327.2/29$

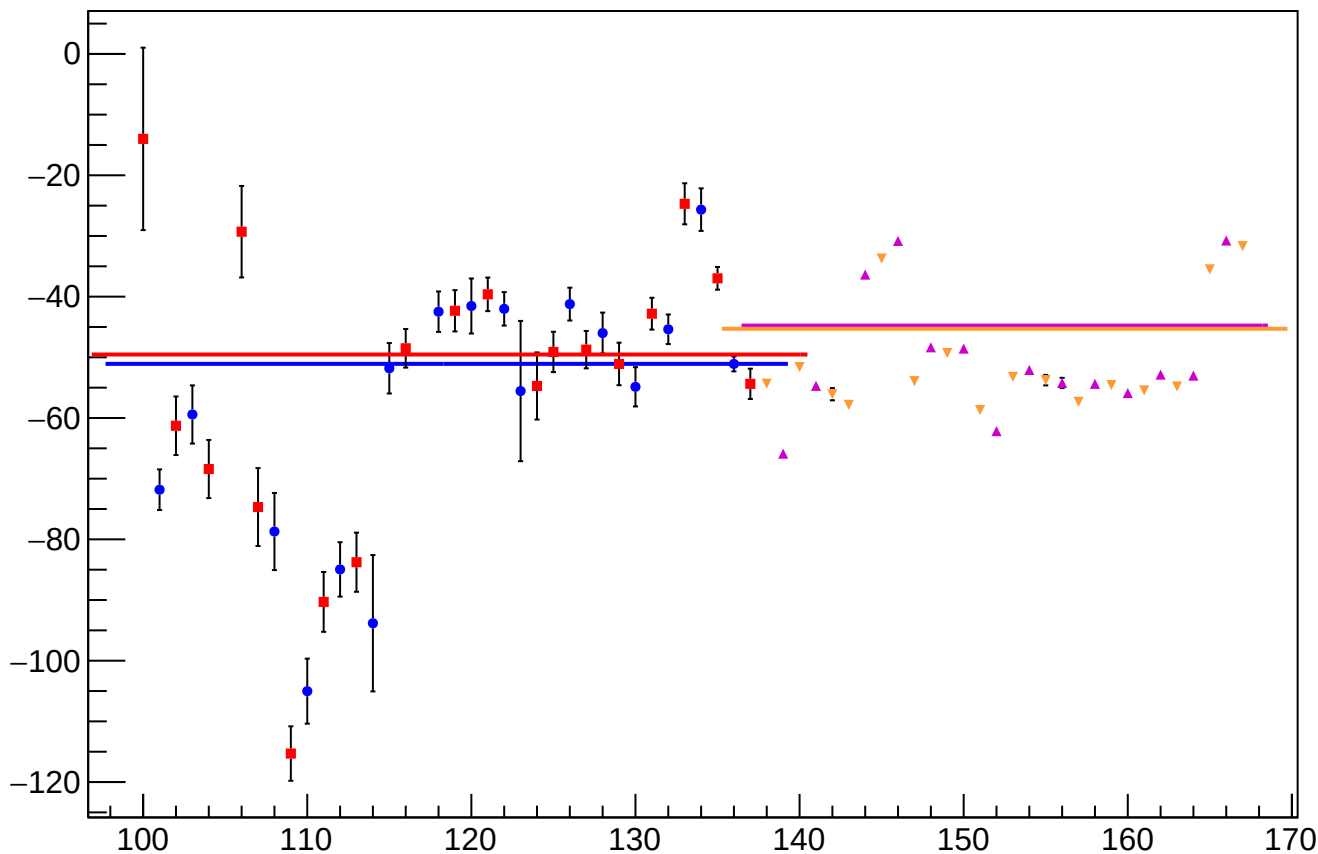
Right: 6.829 ± 0.297 $\chi^2/\text{NDF}: 2858.2/35$

In: 5.771 ± 0.109 $\chi^2/\text{NDF}: 2338.6/30$

Out: 6.035 ± 0.107 $\chi^2/\text{NDF}: 1854.2/34$

All: 5.905 ± 0.076 $\chi^2/\text{NDF}: 4195.8/65$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



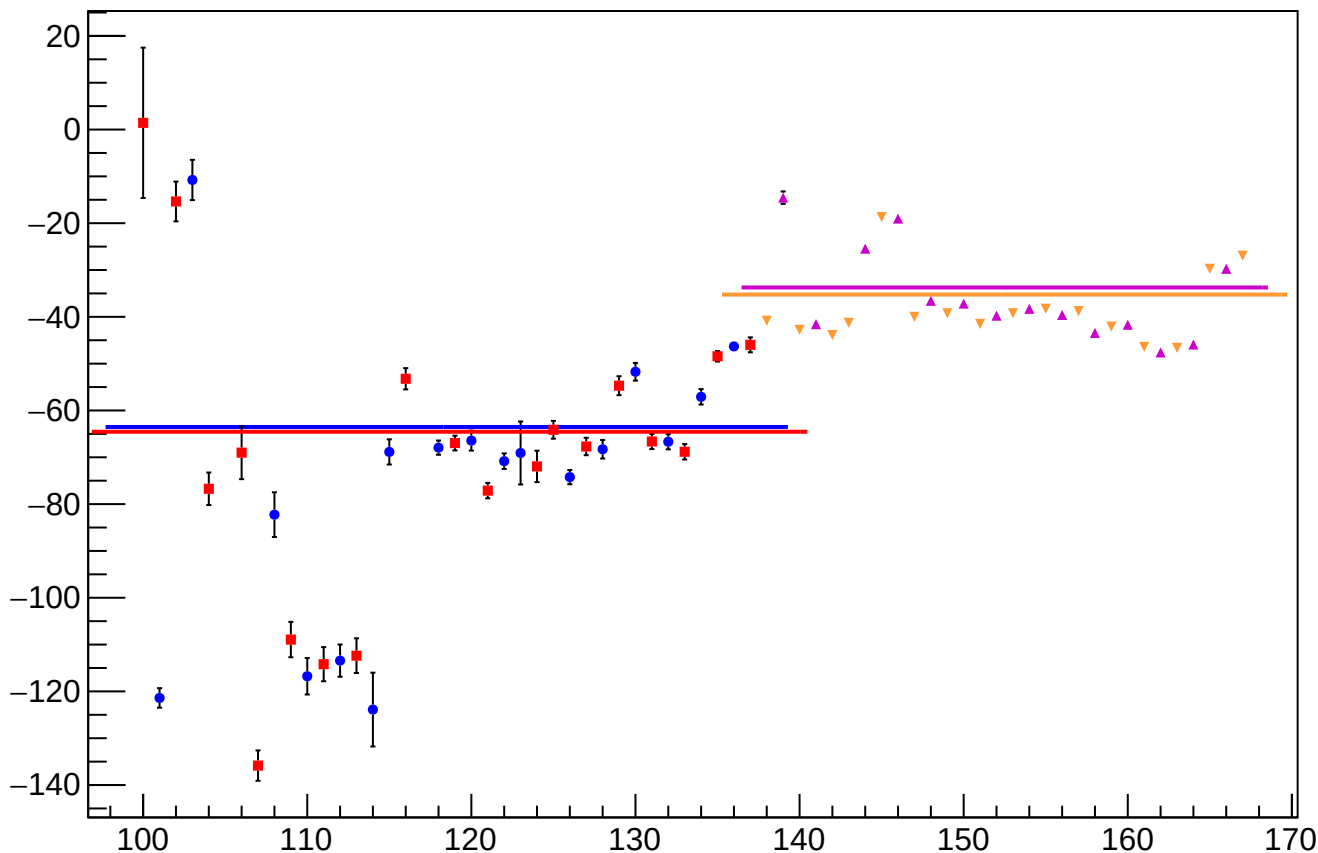
Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16
 Left Out: -45.297 ± 0.149 χ^2/NDF : 5101.3/15
 Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18
 Left In: -44.772 ± 0.155 χ^2/NDF : 5605.2/13

Left: -45.045 ± 0.107 χ^2/NDF : 10712.5/29
 Right: -50.365 ± 0.543 χ^2/NDF : 841.8/35

In: -45.036 ± 0.152 χ^2/NDF : 6004.8/30
 Out: -45.440 ± 0.147 χ^2/NDF : 5638.1/34

All: -45.245 ± 0.105 χ^2/NDF : 11646.6/65

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: -33.731+/-0.131 χ^2/NDF : 5487.3/13

Left: -34.517+/-0.091 χ^2/NDF : 10920.4/29

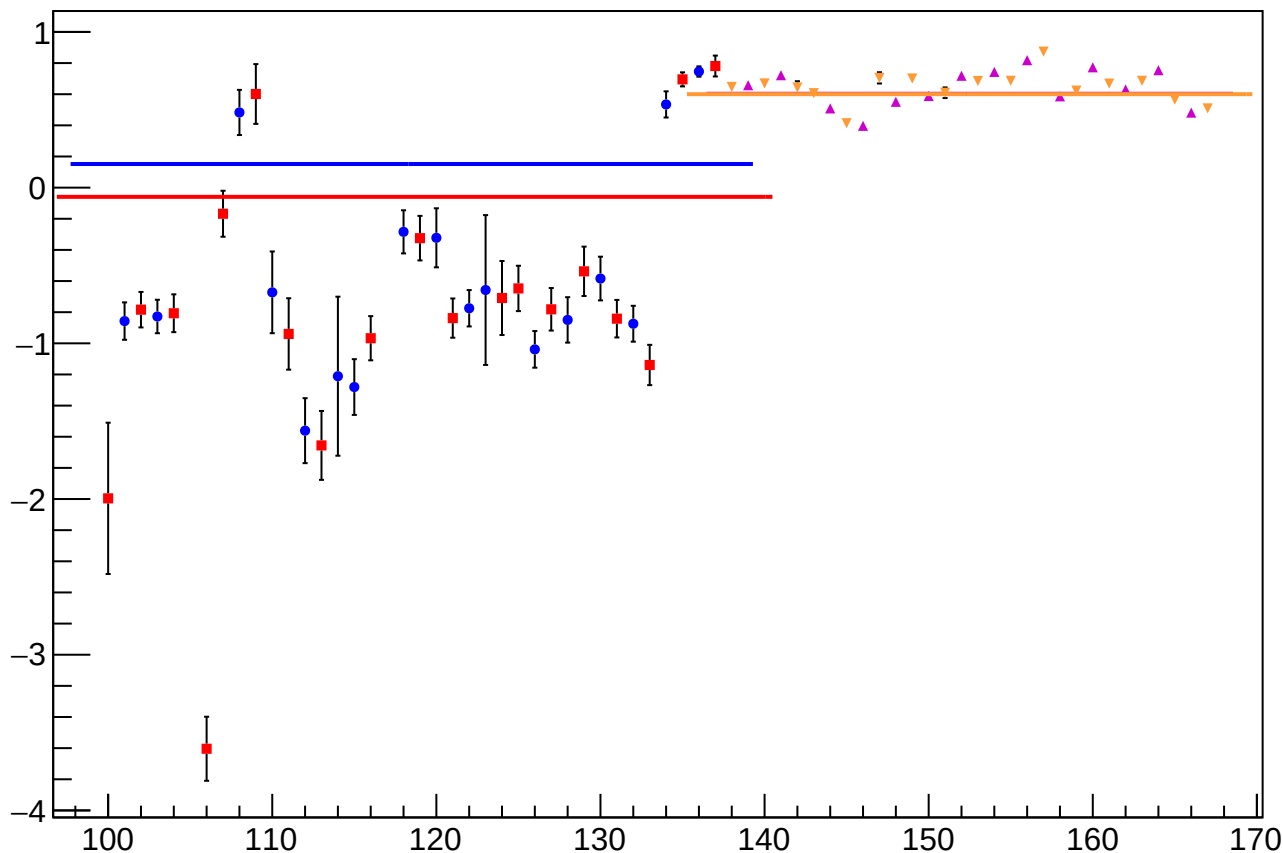
Right: -63.995+/-0.329 χ^2/NDF : 3616.4/35

In: -36.082+/-0.126 χ^2/NDF : 11560.0/30

Out: -37.128+/-0.122 χ^2/NDF : 10410.0/34

All: -36.620+/-0.088 χ^2/NDF : 22005.4/65

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.600 ± 0.006 $\chi^2/\text{NDF}: 379.3/15$

Right Out: -0.059 ± 0.026 $\chi^2/\text{NDF}: 1161.9/18$

Left In: 0.603 ± 0.006 $\chi^2/\text{NDF}: 417.4/13$

Left: 0.601 ± 0.004 $\chi^2/\text{NDF}: 796.7/29$

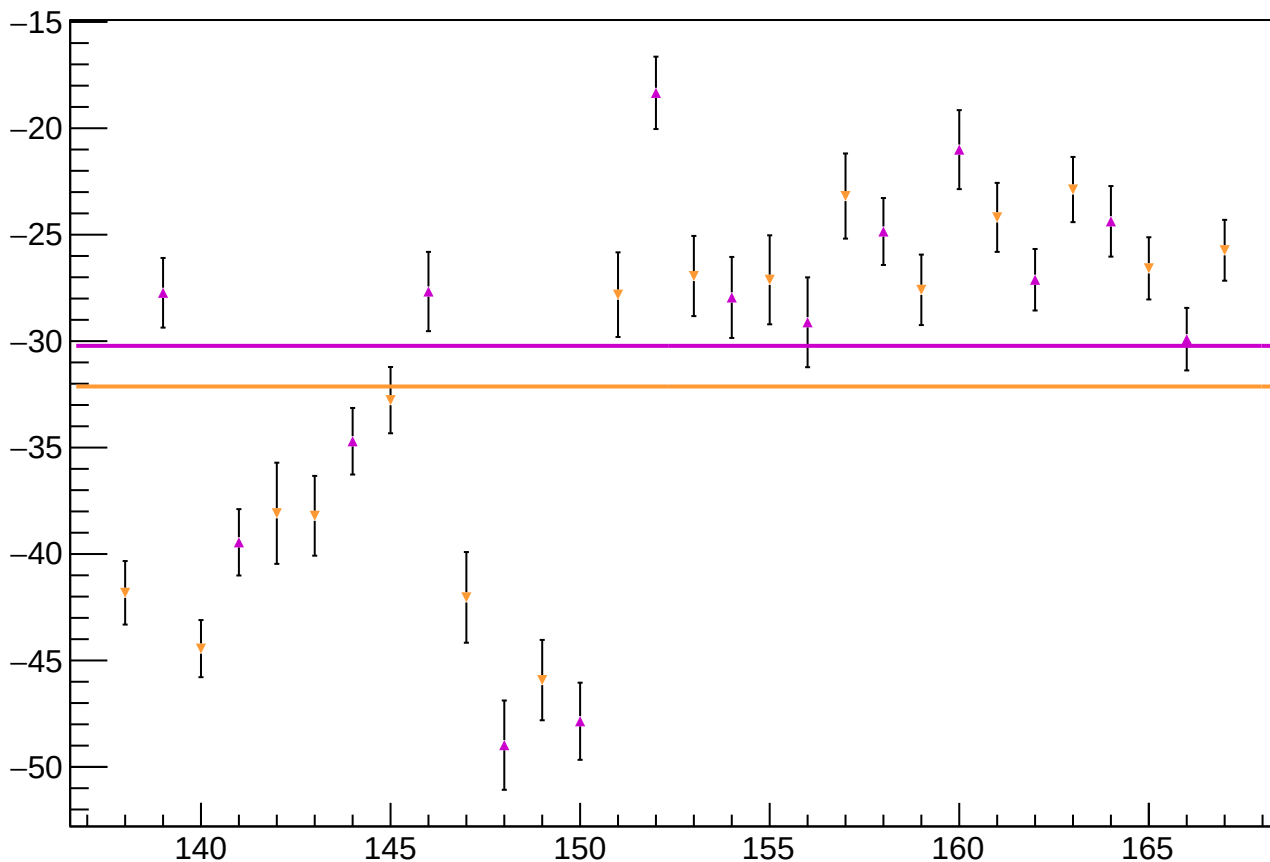
Right: 0.056 ± 0.018 $\chi^2/\text{NDF}: 2184.3/35$

In: 0.574 ± 0.006 $\chi^2/\text{NDF}: 1734.3/30$

Out: 0.569 ± 0.006 $\chi^2/\text{NDF}: 2140.1/34$

All: 0.571 ± 0.004 $\chi^2/\text{NDF}: 3874.8/65$

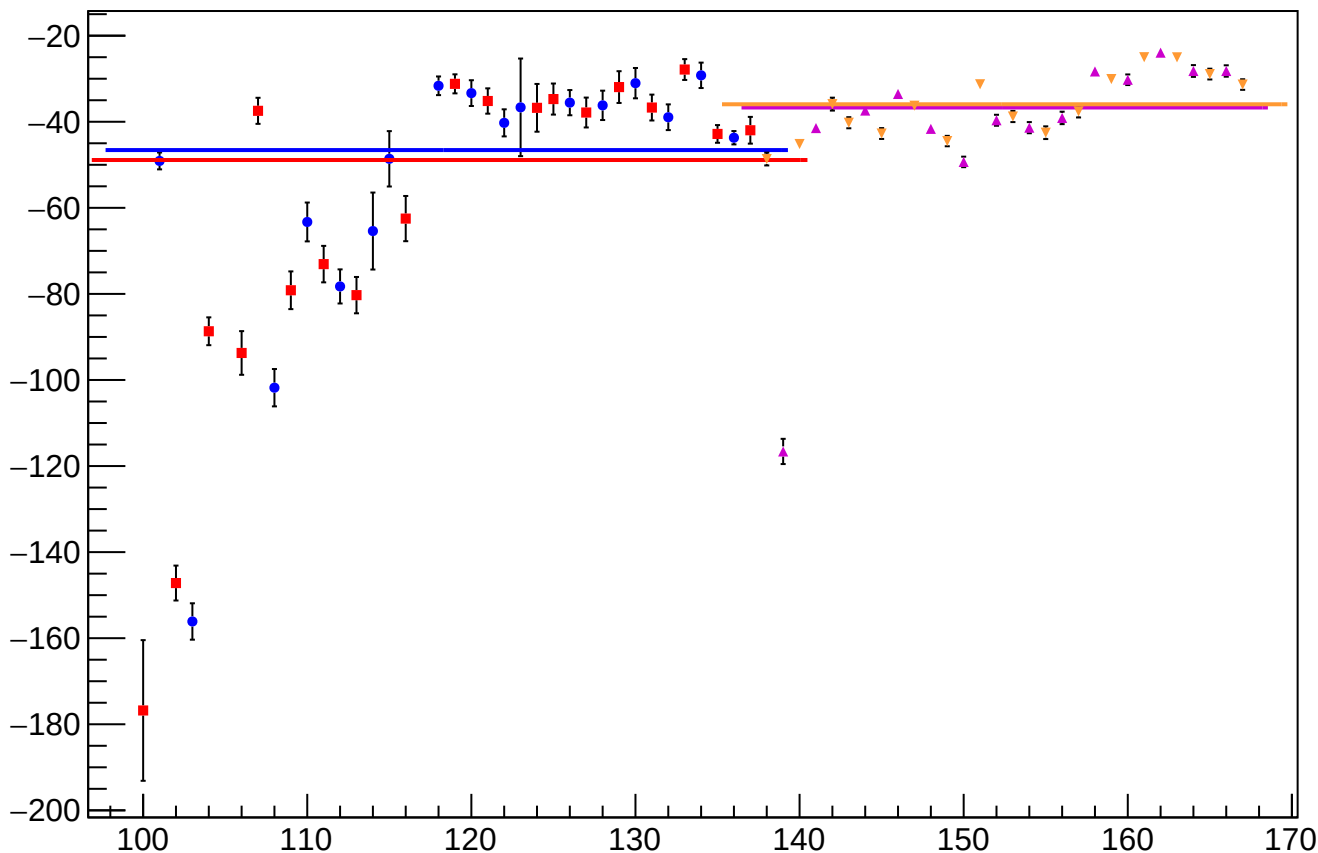
reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -32.131 ± 0.425 $\chi^2/\text{NDF}: 359.0/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -30.222 ± 0.453 $\chi^2/\text{NDF}: 326.3/13$

Left: -31.237 ± 0.310 $\chi^2/\text{NDF}: 694.6/29$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -30.222 ± 0.453 $\chi^2/\text{NDF}: 326.3/13$
 Out: -32.131 ± 0.425 $\chi^2/\text{NDF}: 359.0/15$
 All: -31.237 ± 0.310 $\chi^2/\text{NDF}: 694.6/29$

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: -36.688 ± 0.330 $\chi^2/\text{NDF}: 1209.5/13$

Left: -36.288 ± 0.226 $\chi^2/\text{NDF}: 1740.6/29$

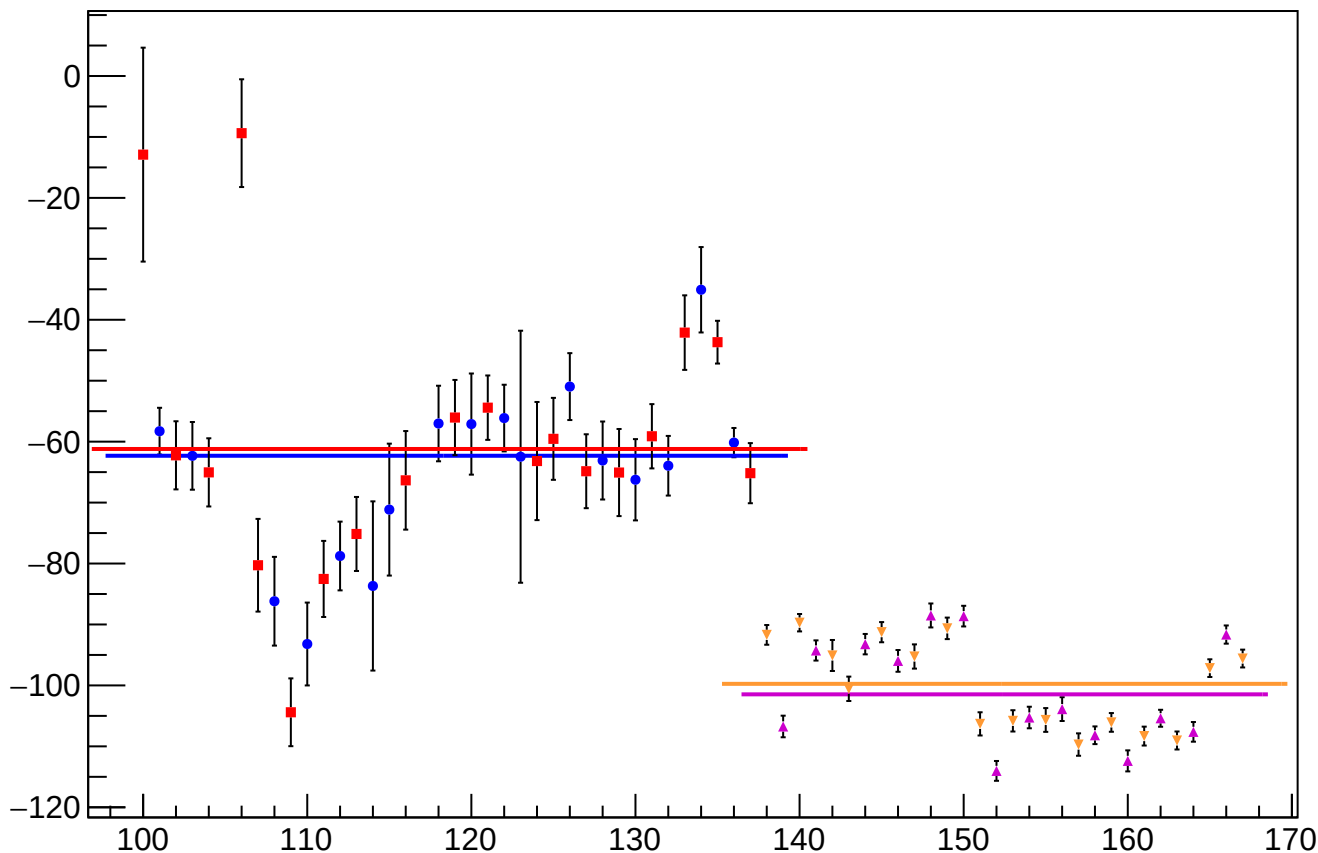
Right: -47.681 ± 0.527 $\chi^2/\text{NDF}: 2358.7/35$

In: -38.370 ± 0.301 $\chi^2/\text{NDF}: 2438.4/30$

Out: -37.760 ± 0.286 $\chi^2/\text{NDF}: 2053.1/34$

All: -38.050 ± 0.207 $\chi^2/\text{NDF}: 4493.7/65$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -99.742 ± 0.422 χ^2/NDF : 296.4/15

Right Out: -61.203 ± 1.381 χ^2/NDF : 165.0/18

Left In: -101.466 ± 0.444 χ^2/NDF : 355.1/13

Left: -100.561 ± 0.306 χ^2/NDF : 659.5/29

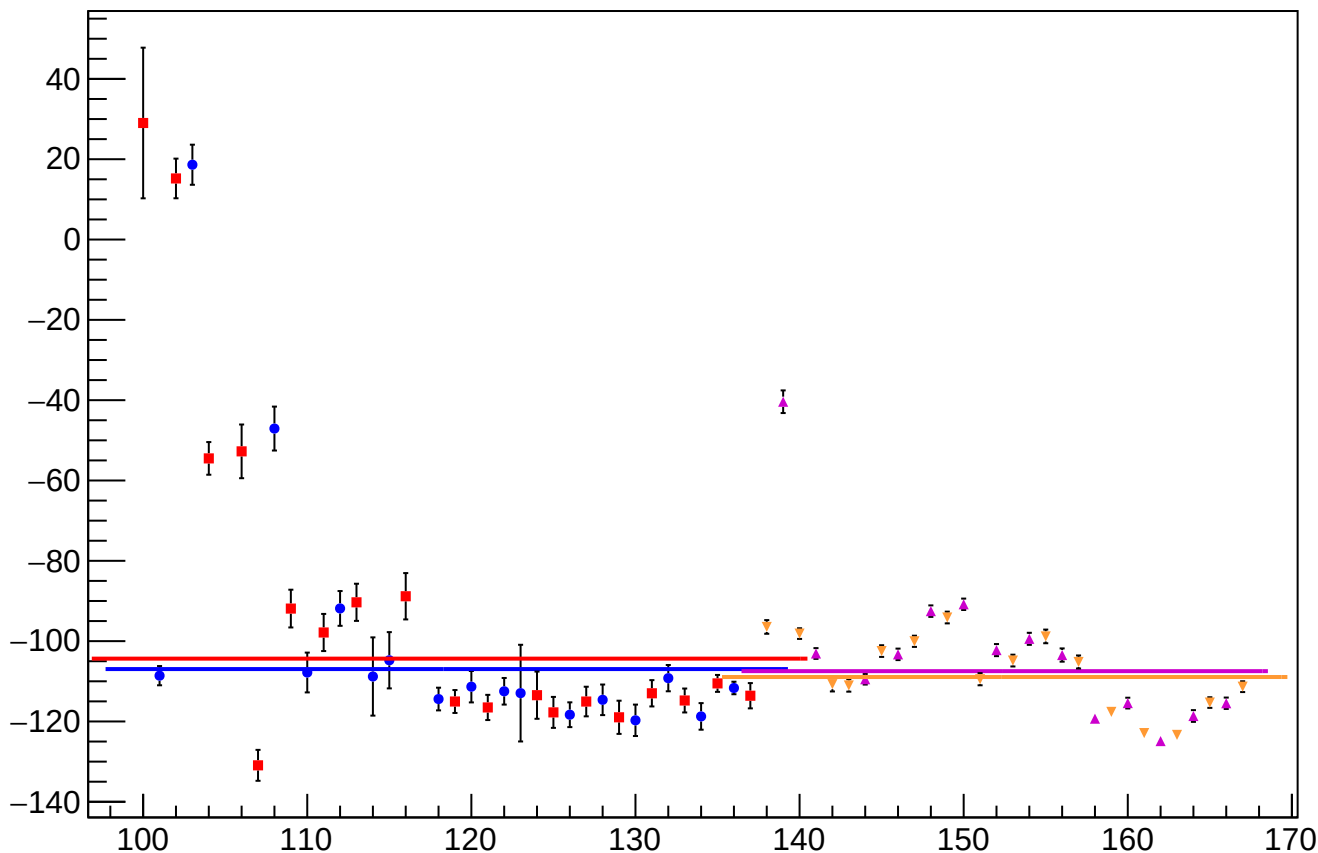
Right: -61.786 ± 0.953 χ^2/NDF : 232.5/35

In: -97.468 ± 0.420 χ^2/NDF : 1217.4/30

Out: -96.453 ± 0.403 χ^2/NDF : 1173.8/34

All: -96.939 ± 0.291 χ^2/NDF : 2394.2/65

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: -107.472 ± 0.379 $\chi^2/\text{NDF}: 1323.4/13$

Left: -108.249 ± 0.259 $\chi^2/\text{NDF}: 2016.1/29$

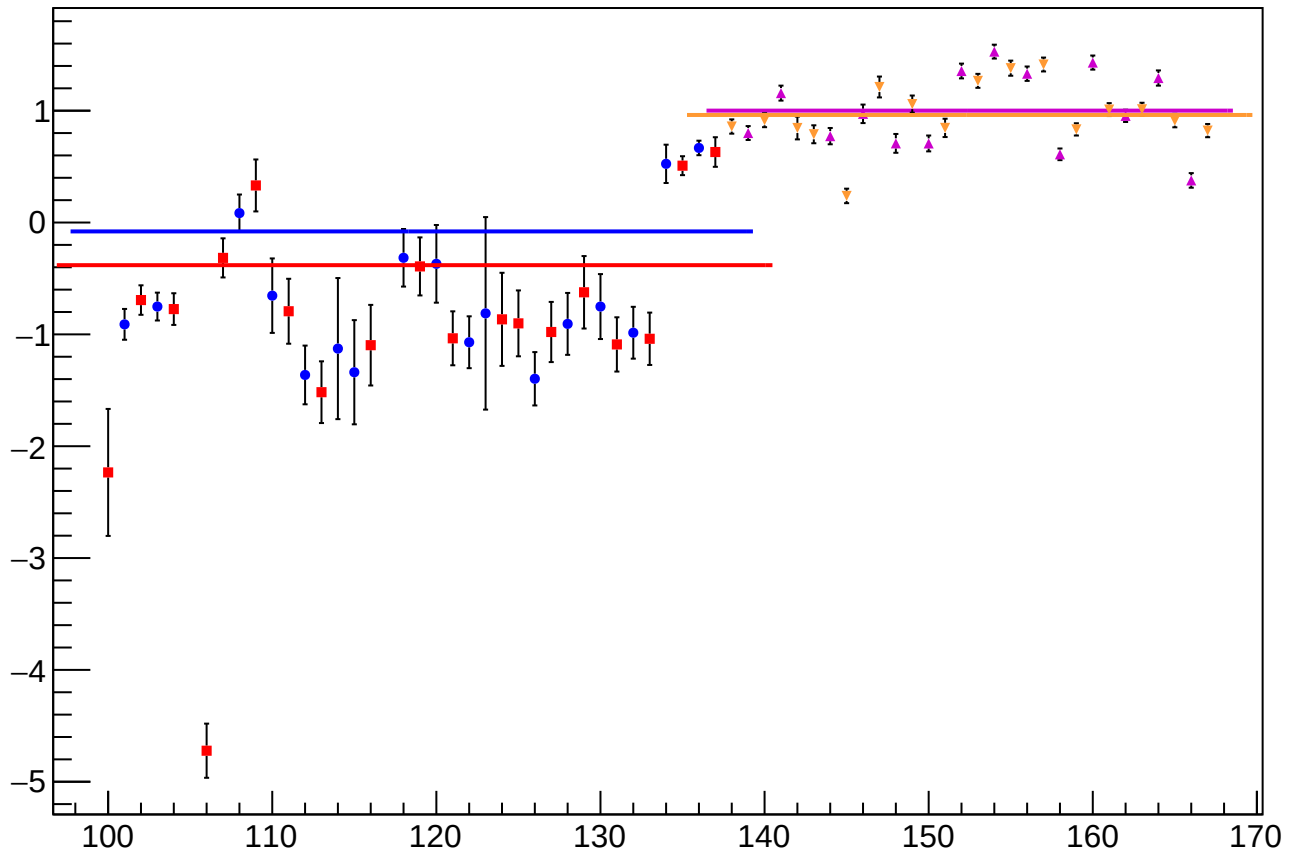
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -107.381 ± 0.344 $\chi^2/\text{NDF}: 2151.0/30$

Out: -108.266 ± 0.329 $\chi^2/\text{NDF}: 1729.9/34$

All: -107.843 ± 0.238 $\chi^2/\text{NDF}: 3884.3/65$

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: 1.001 ± 0.017 χ^2/NDF : 395.3/13

Left: 0.980 ± 0.012 χ^2/NDF : 670.5/29

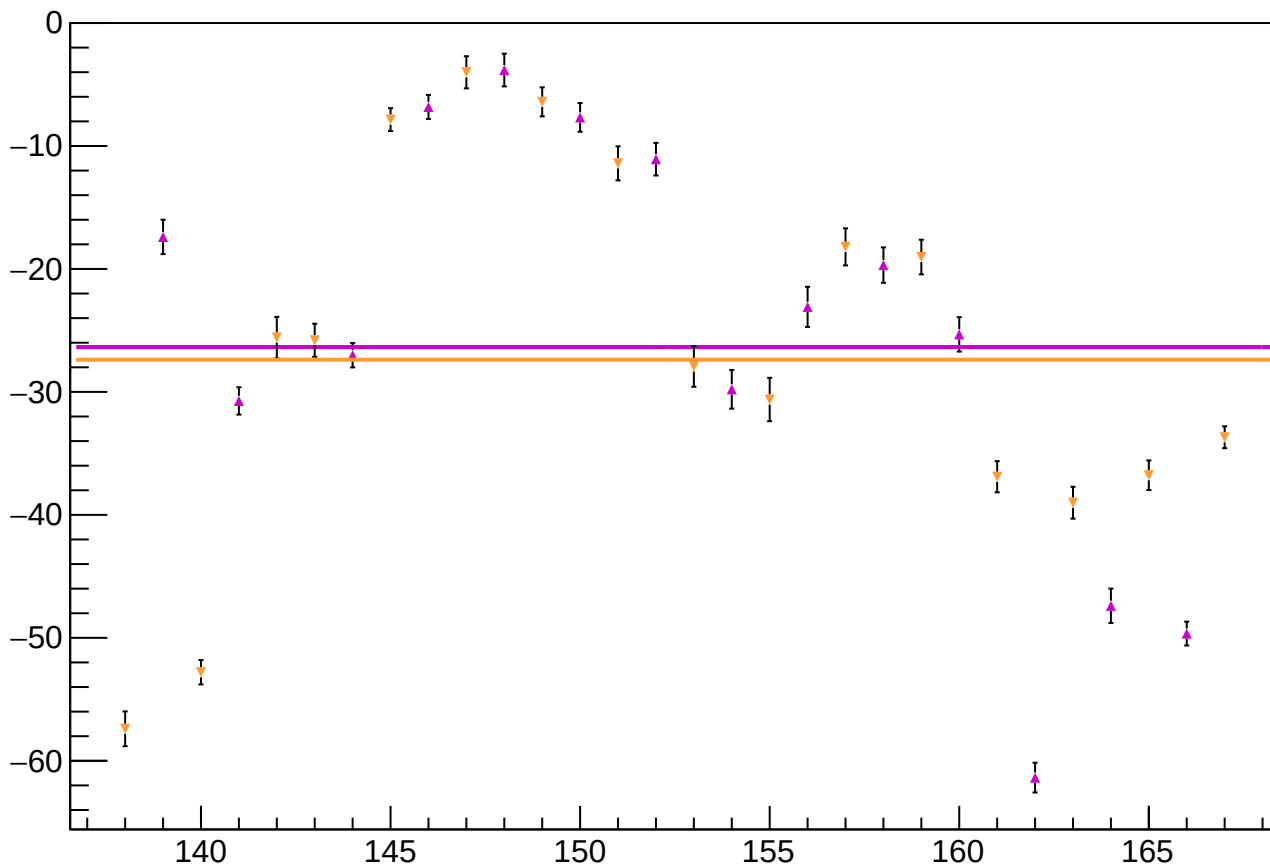
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.843 ± 0.016 χ^2/NDF : 1281.7/30

Out: 0.795 ± 0.016 χ^2/NDF : 1668.8/34

All: 0.818 ± 0.011 χ^2/NDF : 2955.2/65

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



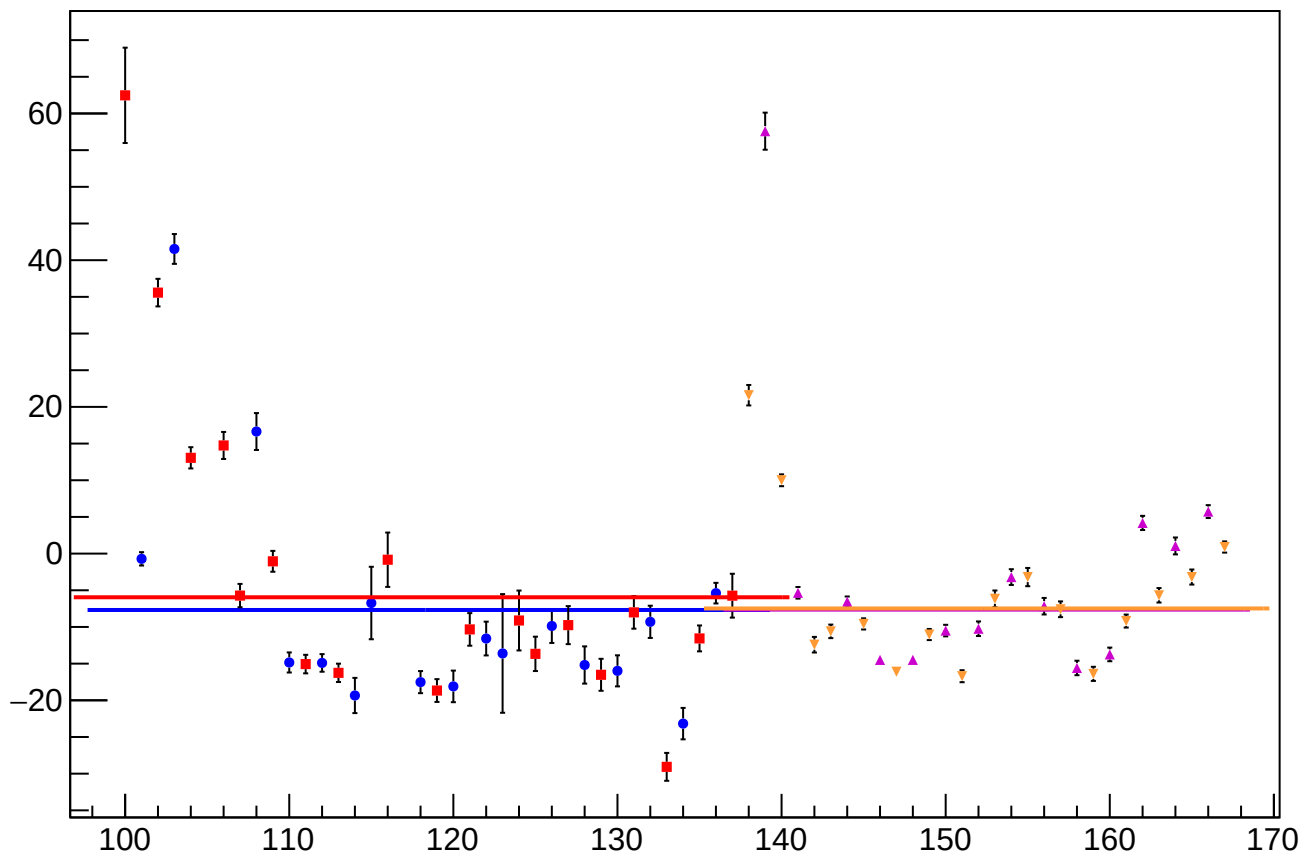
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -27.383+/-0.313 χ^2/NDF :2646.1/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -26.350+/-0.328 χ^2/NDF :2800.6/13

Left: -26.891+/-0.226 χ^2/NDF : 5451.9/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.350+/-0.328 χ^2/NDF :2800.6/13
 Out: -27.383+/-0.313 χ^2/NDF :2646.1/15

All: -26.891+/-0.226 χ^2/NDF : 5451.9/29

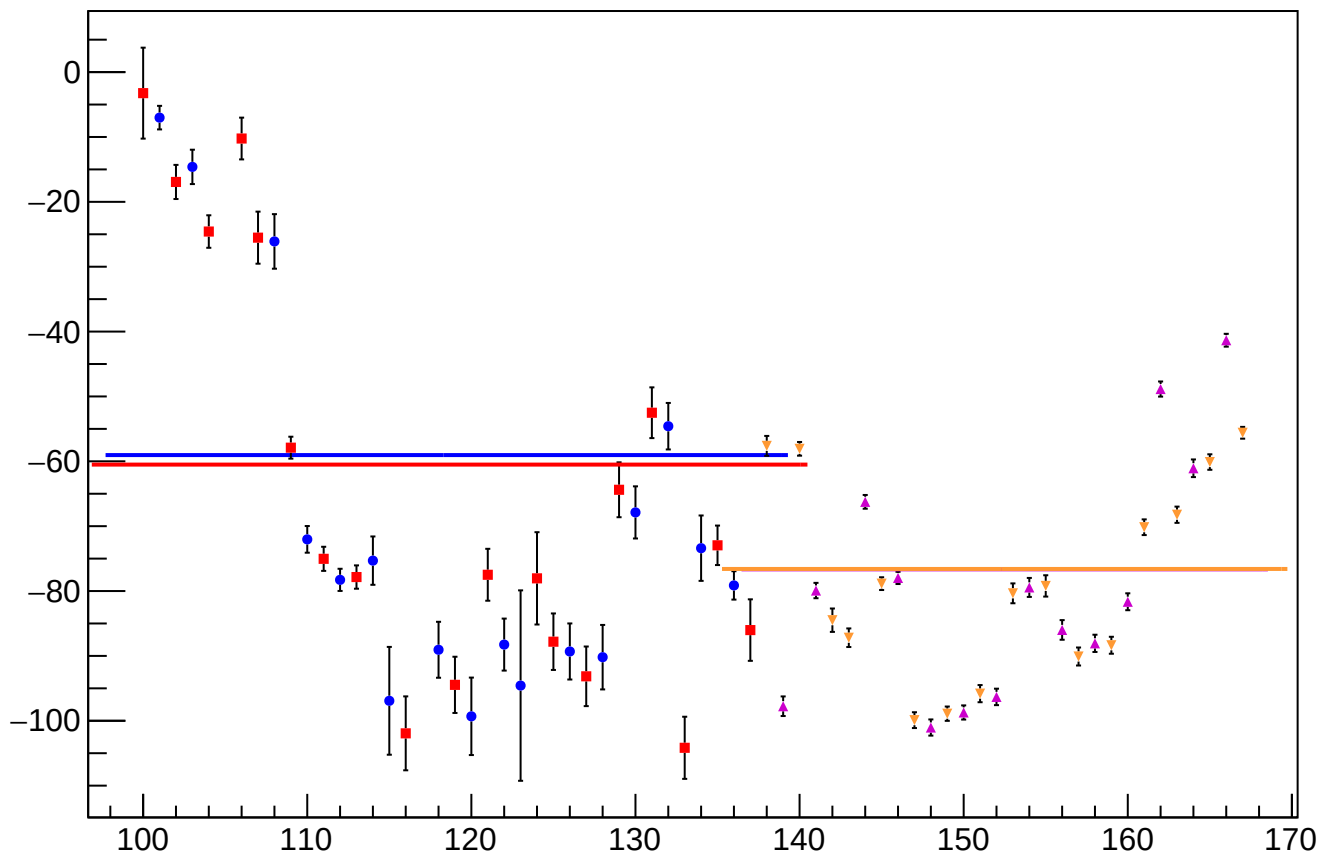
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -7.636 ± 0.233 χ^2/NDF : 1495.6/13

Left: -7.555 ± 0.162 χ^2/NDF : 3023.8/29
 Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35
 In: -7.648 ± 0.205 χ^2/NDF : 2471.5/30
 Out: -7.153 ± 0.198 χ^2/NDF : 2836.0/34
 All: -7.392 ± 0.143 χ^2/NDF : 5310.6/65

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 $\pm$ 0.746 χ^2 /NDF: 1709.5/16

Left Out: -76.595 $\pm$ 0.311 χ^2 /NDF: 2506.7/15

Right Out: -60.507 $\pm$ 0.704 χ^2 /NDF: 1384.8/18

Left In: -76.659 $\pm$ 0.322 χ^2 /NDF: 3438.5/13

Left: -76.626 $\pm$ 0.224 χ^2 /NDF: 5945.2/29

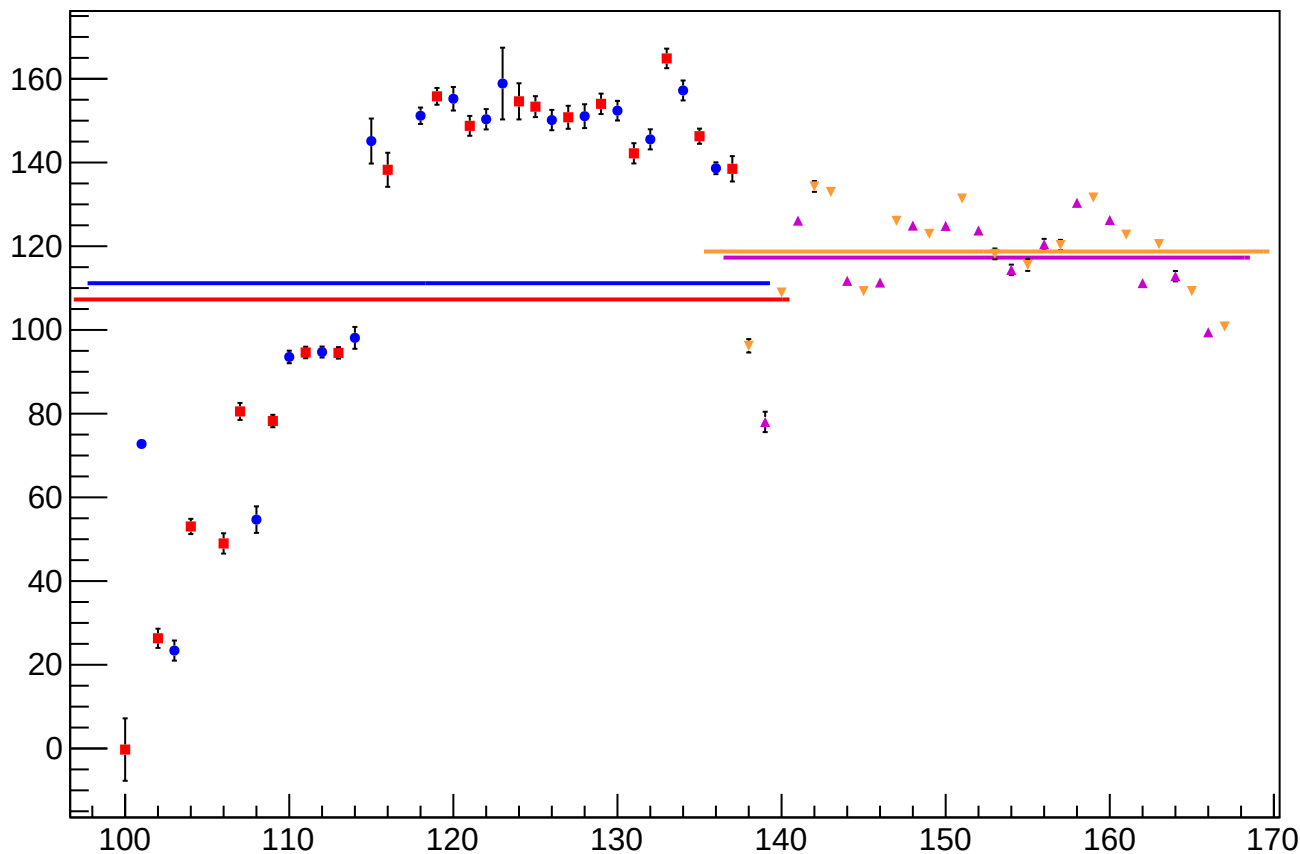
Right: -59.815 $\pm$ 0.512 χ^2 /NDF: 3096.4/35

In: -73.887 $\pm$ 0.296 χ^2 /NDF: 5618.5/30

Out: -73.973 $\pm$ 0.284 χ^2 /NDF: 4328.1/34

All: -73.931 $\pm$ 0.205 χ^2 /NDF: 9946.7/65

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 118.738 $\pm$ 0.261 χ^2 /NDF:1691.2/15

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

Left In: 117.282 $\pm$ 0.273 χ^2 /NDF:1278.9/13

Left: 118.041 $\pm$ 0.189 χ^2 /NDF: 2985.0/29

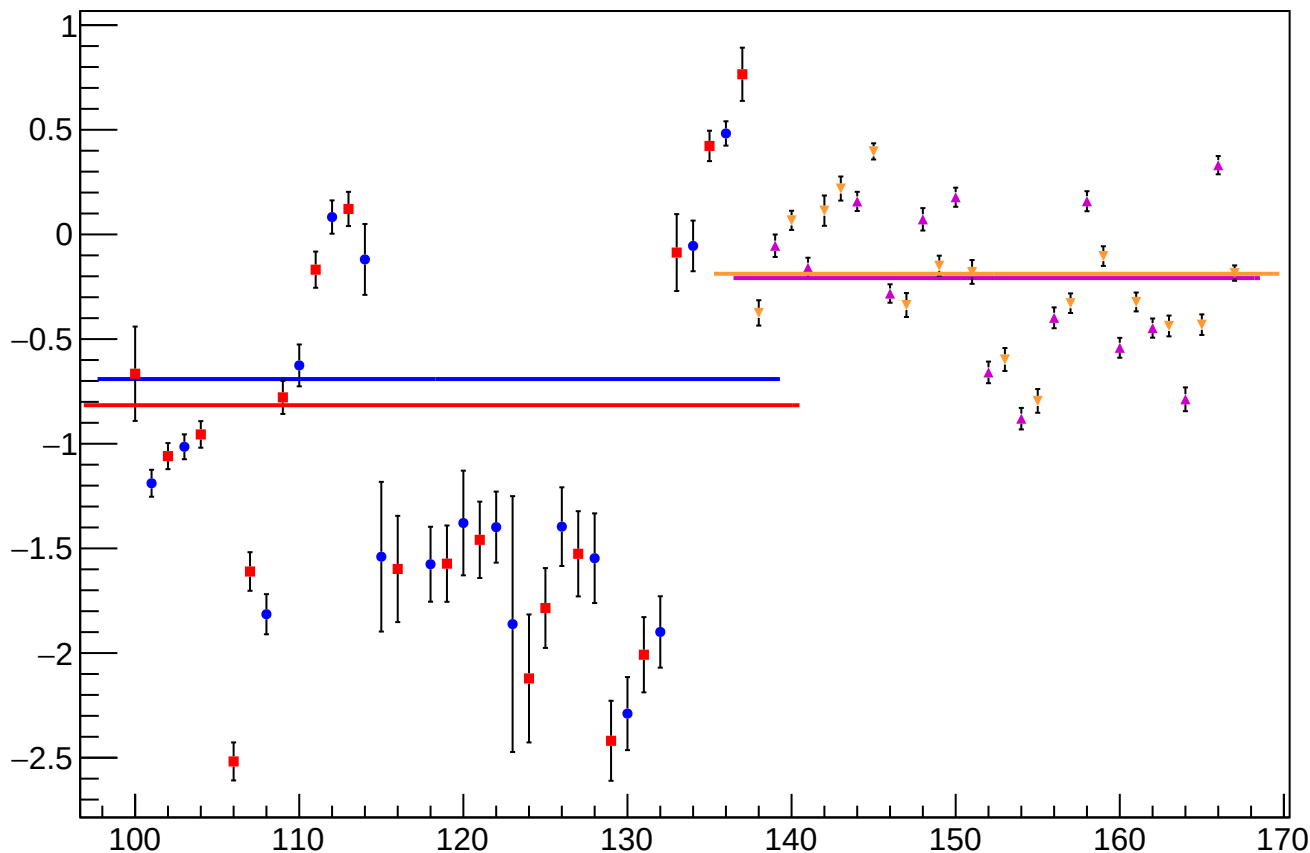
Right: 109.217 $\pm$ 0.345 χ^2 /NDF: 12964.2/35

In: 115.831 $\pm$ 0.238 χ^2 /NDF:7276.1/30

Out: 116.187 $\pm$ 0.230 χ^2 /NDF:9175.1/34

All: 116.015 $\pm$ 0.165 χ^2 /NDF: 16452.4/65

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: -0.209 ± 0.013 χ^2/NDF : 830.0/13

Left: -0.198 ± 0.009 χ^2/NDF : 1417.5/29

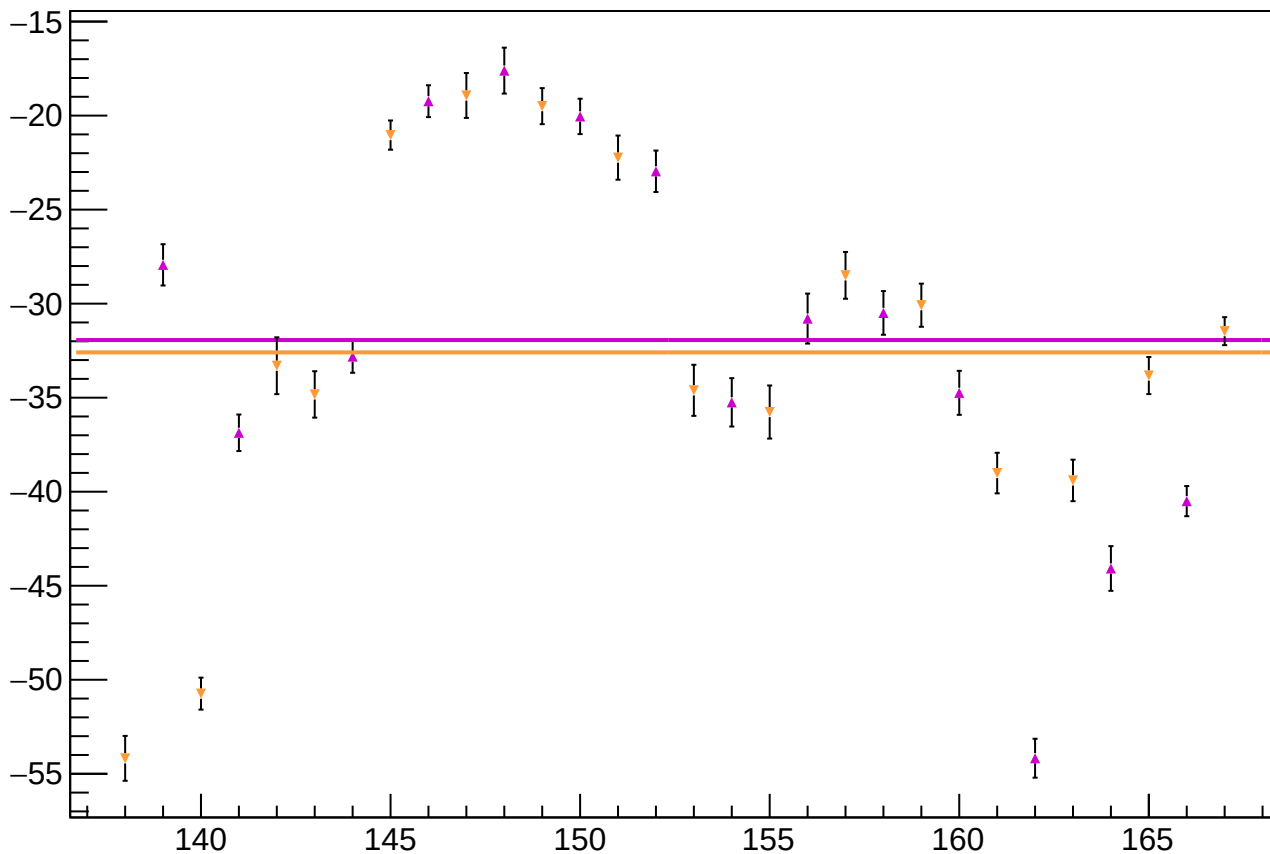
Right: -0.757 ± 0.018 χ^2/NDF : 2307.7/35

In: -0.306 ± 0.012 χ^2/NDF : 2099.8/30

Out: -0.316 ± 0.011 χ^2/NDF : 2419.5/34

All: -0.311 ± 0.008 χ^2/NDF : 4519.7/65

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.591+/-0.264 χ^2 /NDF:1503.9/15

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

Left In: -31.935+/-0.276 χ^2 /NDF:1323.8/13

Left: -32.278+/-0.191 χ^2 /NDF: 2830.6/29

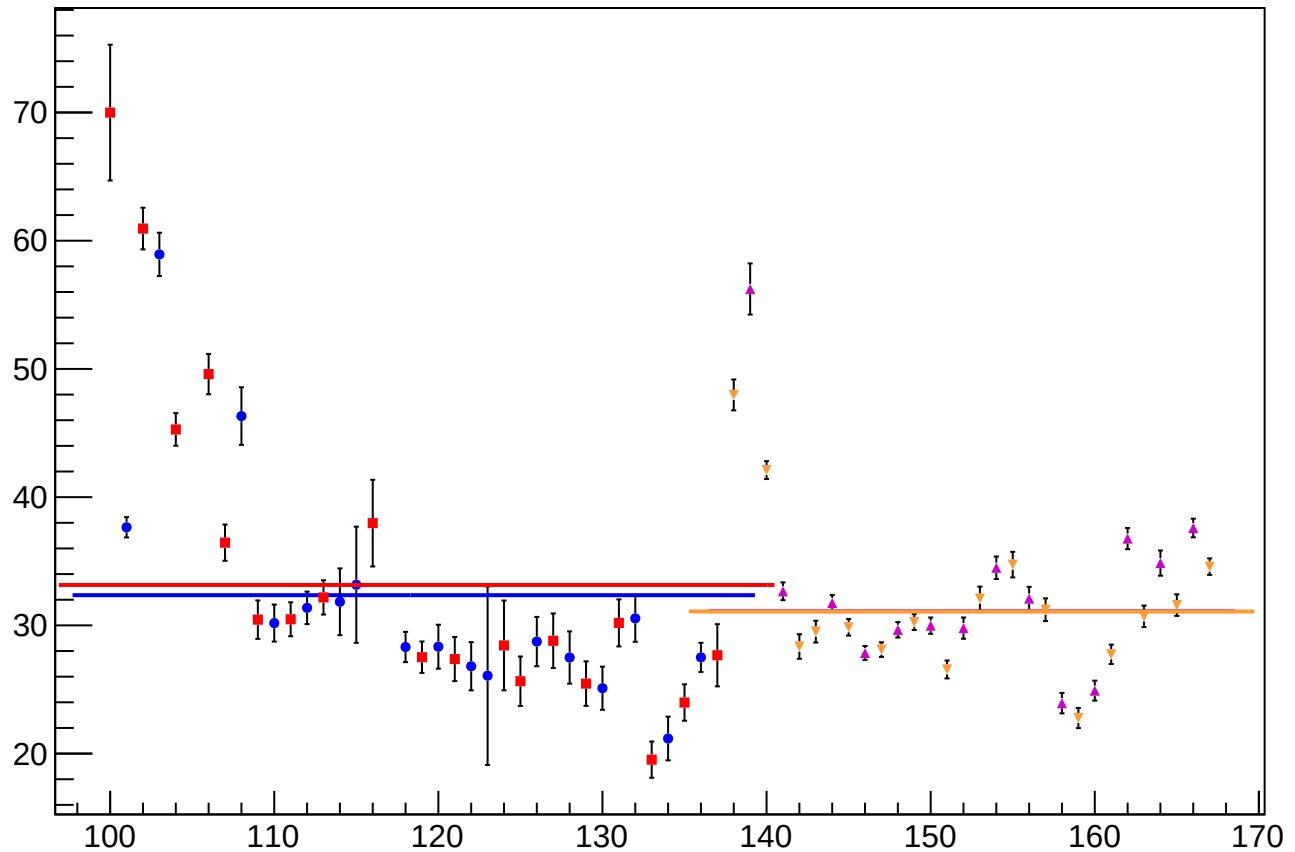
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -31.935+/-0.276 χ^2 /NDF:1323.8/13

Out: -32.591+/-0.264 χ^2 /NDF:1503.9/15

All: -32.278+/-0.191 χ^2 /NDF: 2830.6/29

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 $\pm$ 0.375 χ^2 /NDF: 450.5/16

Left Out: 31.086 $\pm$ 0.191 χ^2 /NDF: 708.5/15

Right Out: 33.152 $\pm$ 0.379 χ^2 /NDF: 772.0/18

Left In: 31.110 $\pm$ 0.200 χ^2 /NDF: 513.6/13

Left: 31.097 $\pm$ 0.138 χ^2 /NDF: 1222.1/29

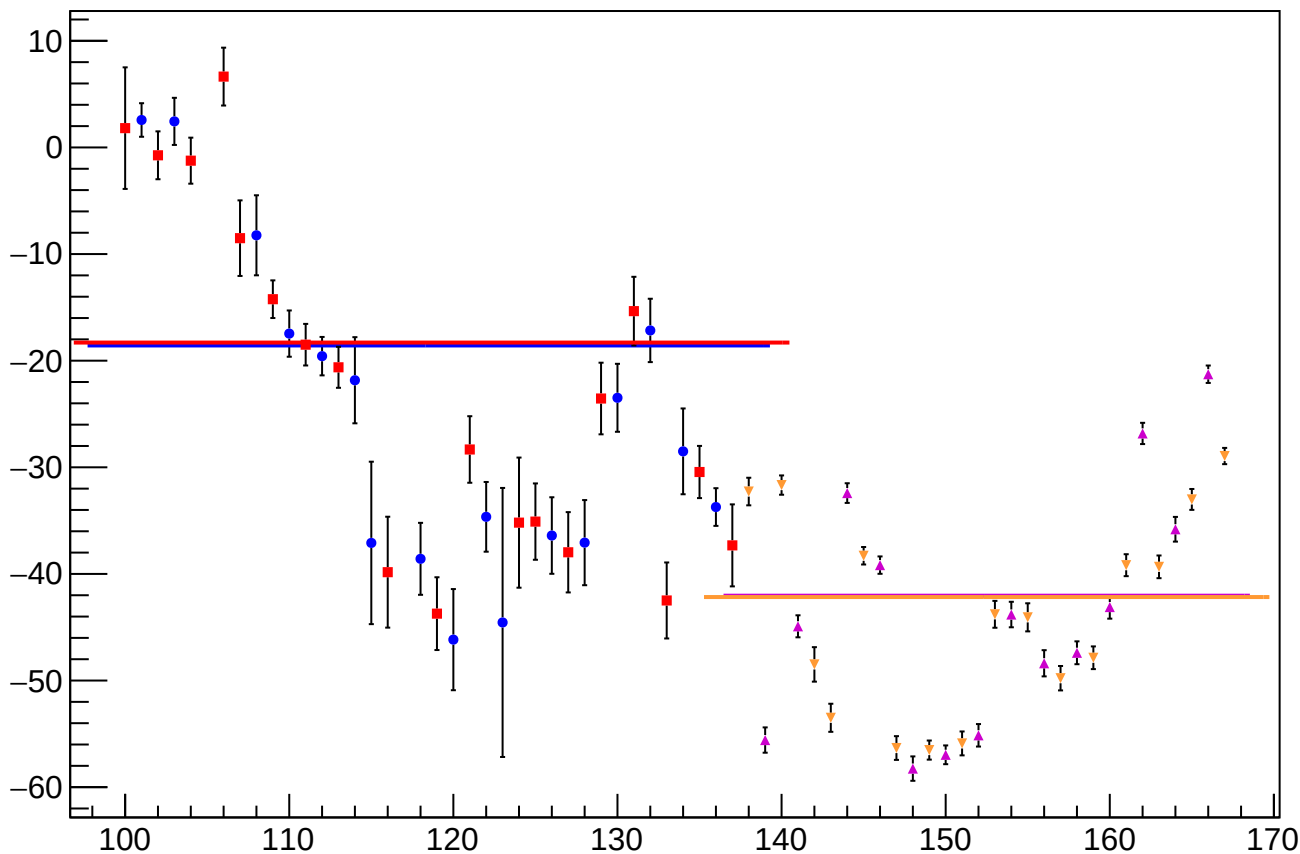
Right: 32.750 $\pm$ 0.267 χ^2 /NDF: 1224.7/35

In: 31.384 $\pm$ 0.176 χ^2 /NDF: 972.6/30

Out: 31.505 $\pm$ 0.171 χ^2 /NDF: 1504.2/34

All: 31.446 $\pm$ 0.123 χ^2 /NDF: 2477.1/65

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: -42.041 ± 0.271 χ^2/NDF : 1865.5/13

Left: -42.107 ± 0.188 χ^2/NDF : 3219.1/29

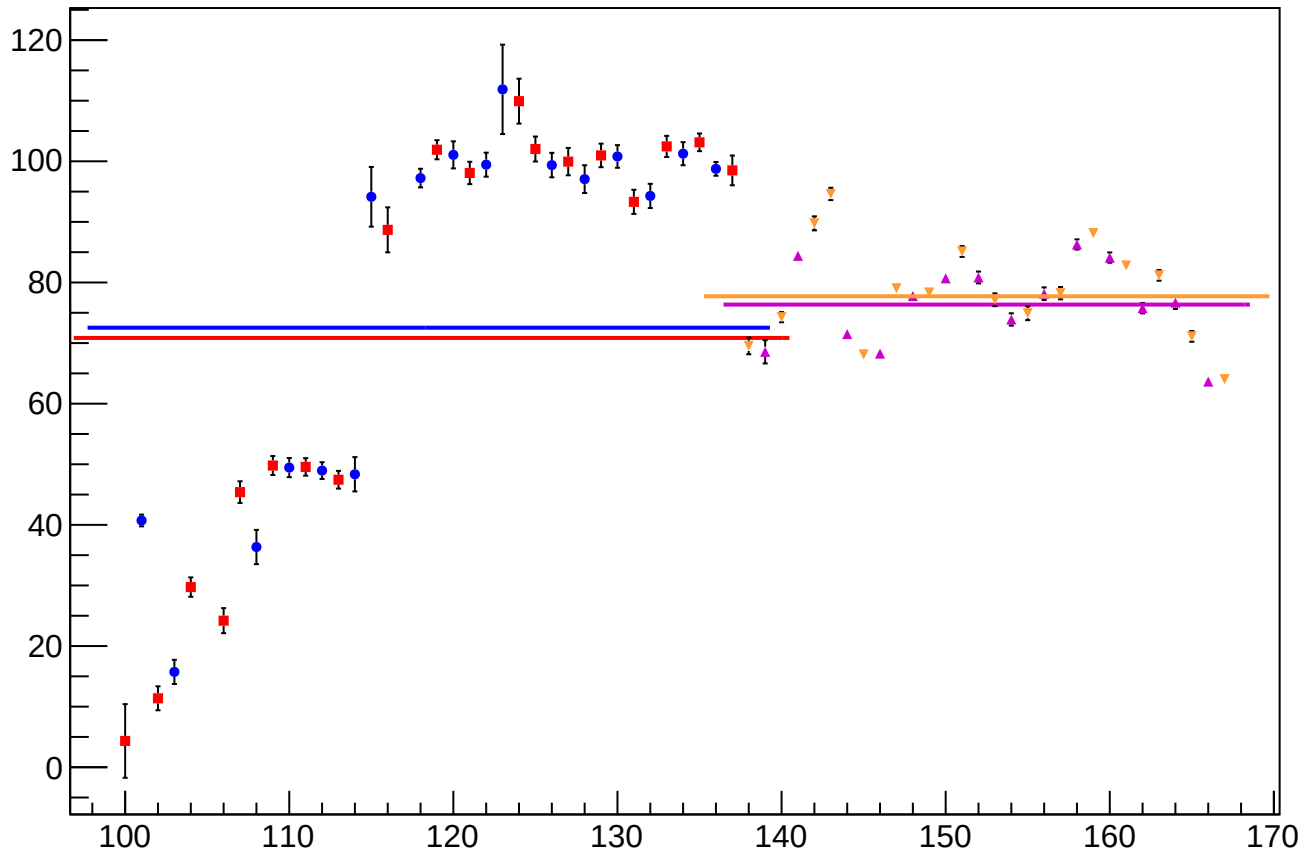
Right: -18.431 ± 0.463 χ^2/NDF : 984.9/35

In: -38.719 ± 0.251 χ^2/NDF : 3438.3/30

Out: -38.775 ± 0.243 χ^2/NDF : 3005.9/34

All: -38.748 ± 0.175 χ^2/NDF : 6444.2/65

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: 76.352 $\pm$ 0.231 χ^2 /NDF:855.5/13

Left: 77.066 $\pm$ 0.160 χ^2 /NDF: 2205.6/29

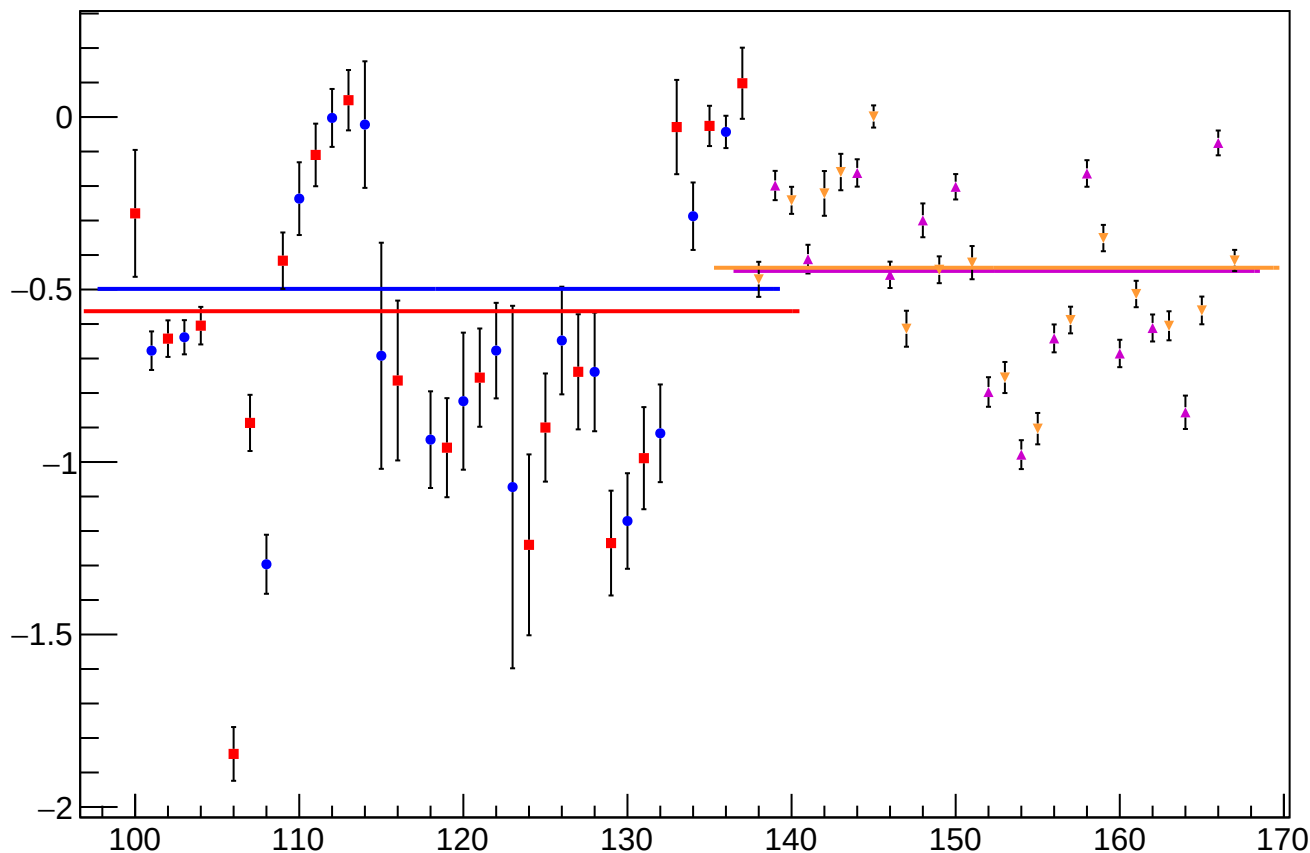
Right: 71.702 $\pm$ 0.305 χ^2 /NDF: 10192.0/35

In: 75.491 $\pm$ 0.203 χ^2 /NDF:5601.0/30

Out: 76.298 $\pm$ 0.197 χ^2 /NDF:7031.6/34

All: 75.907 $\pm$ 0.142 χ^2 /NDF: 12640.7/65

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: -0.446 ± 0.011 χ^2/NDF : 677.0/13

Left: -0.441 ± 0.007 χ^2/NDF : 1144.1/29

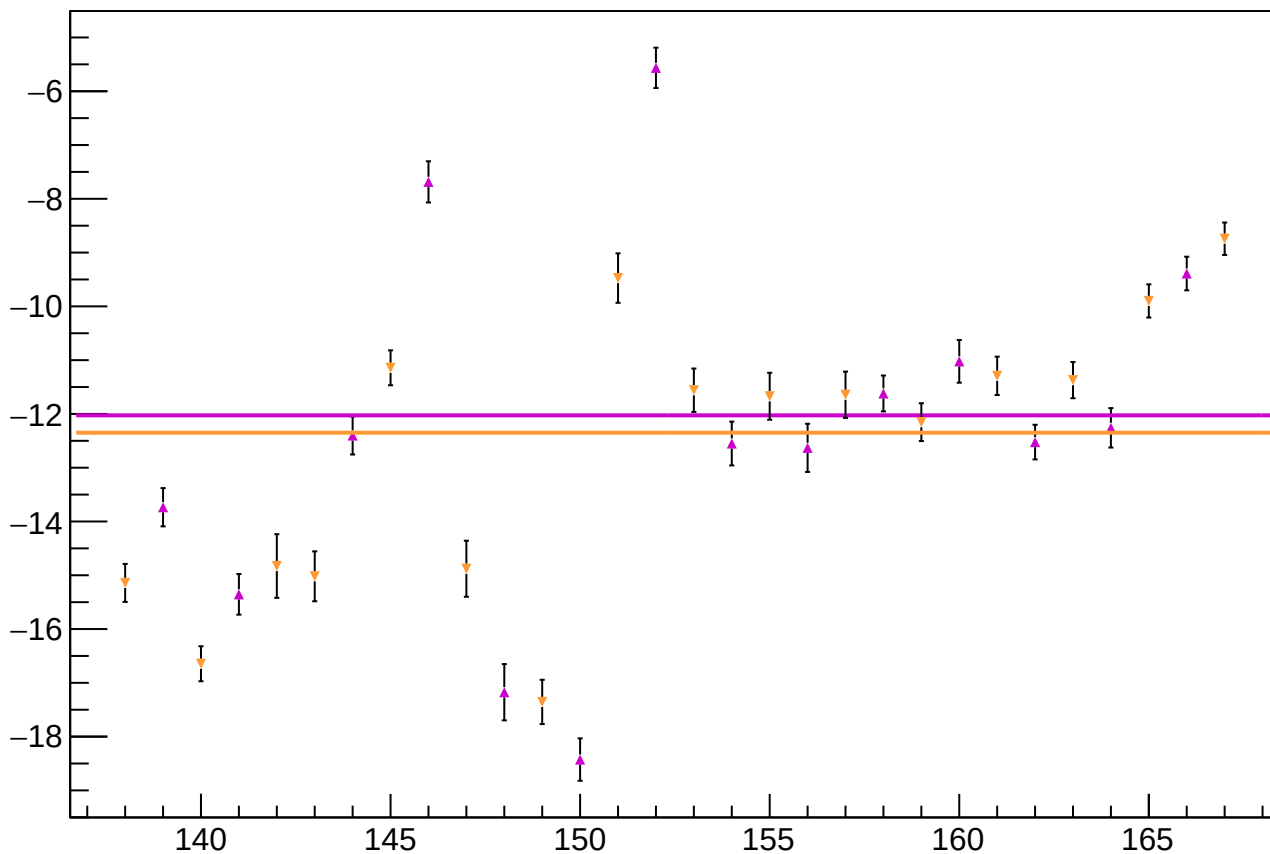
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.456 ± 0.010 χ^2/NDF : 984.1/30

Out: -0.461 ± 0.009 χ^2/NDF : 1055.5/34

All: -0.459 ± 0.007 χ^2/NDF : 2039.7/65

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



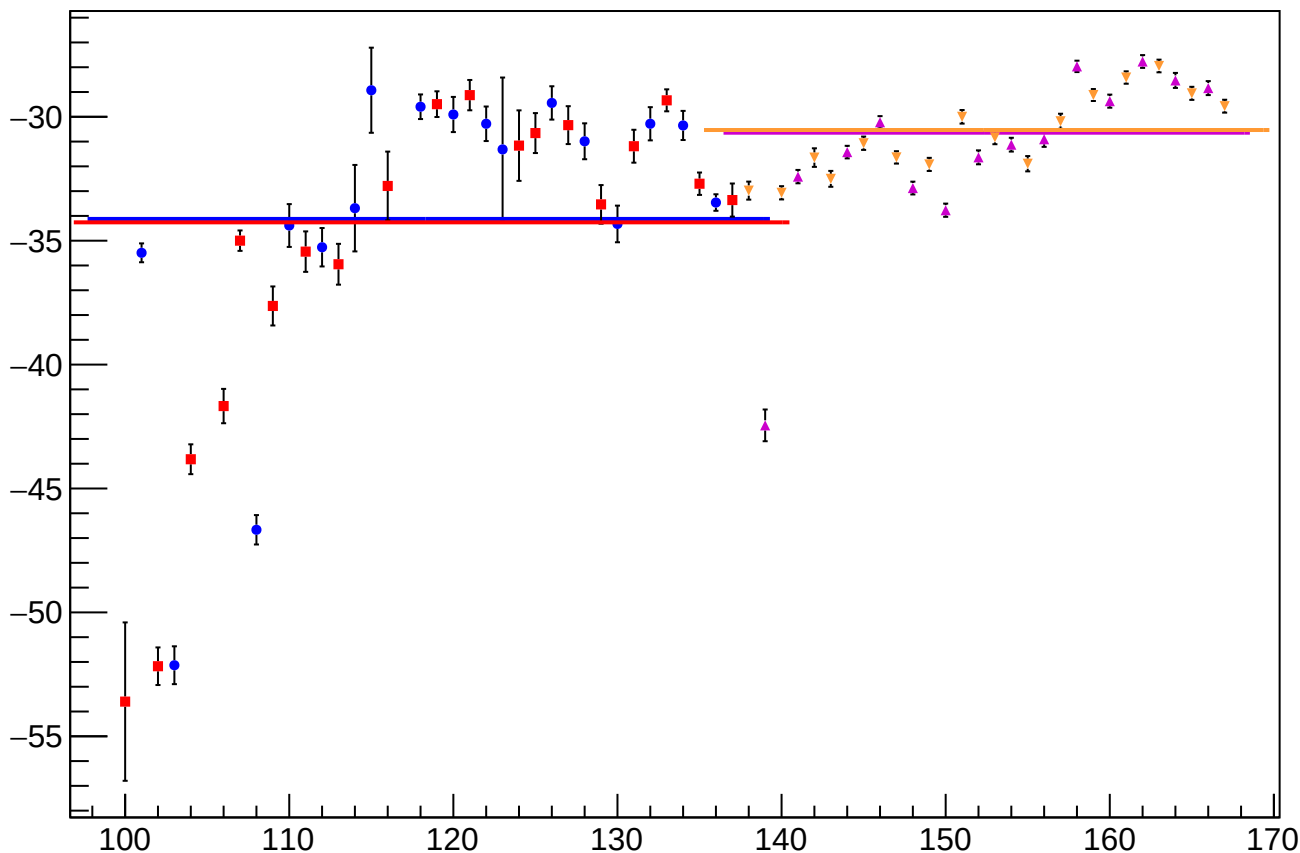
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -12.349 ± 0.095 $\chi^2/\text{NDF}: 744.3/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -12.026 ± 0.100 $\chi^2/\text{NDF}: 971.4/13$

Left: -12.196 ± 0.069 $\chi^2/\text{NDF}: 1721.2/29$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -12.026 ± 0.100 $\chi^2/\text{NDF}: 971.4/13$
 Out: -12.349 ± 0.095 $\chi^2/\text{NDF}: 744.3/15$

All: -12.196 ± 0.069 $\chi^2/\text{NDF}: 1721.2/29$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -30.533 ± 0.069 χ^2/NDF : 510.8/15

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

Left In: -30.642 ± 0.074 χ^2/NDF : 995.1/13

Left: -30.584 ± 0.051 χ^2/NDF : 1507.0/29

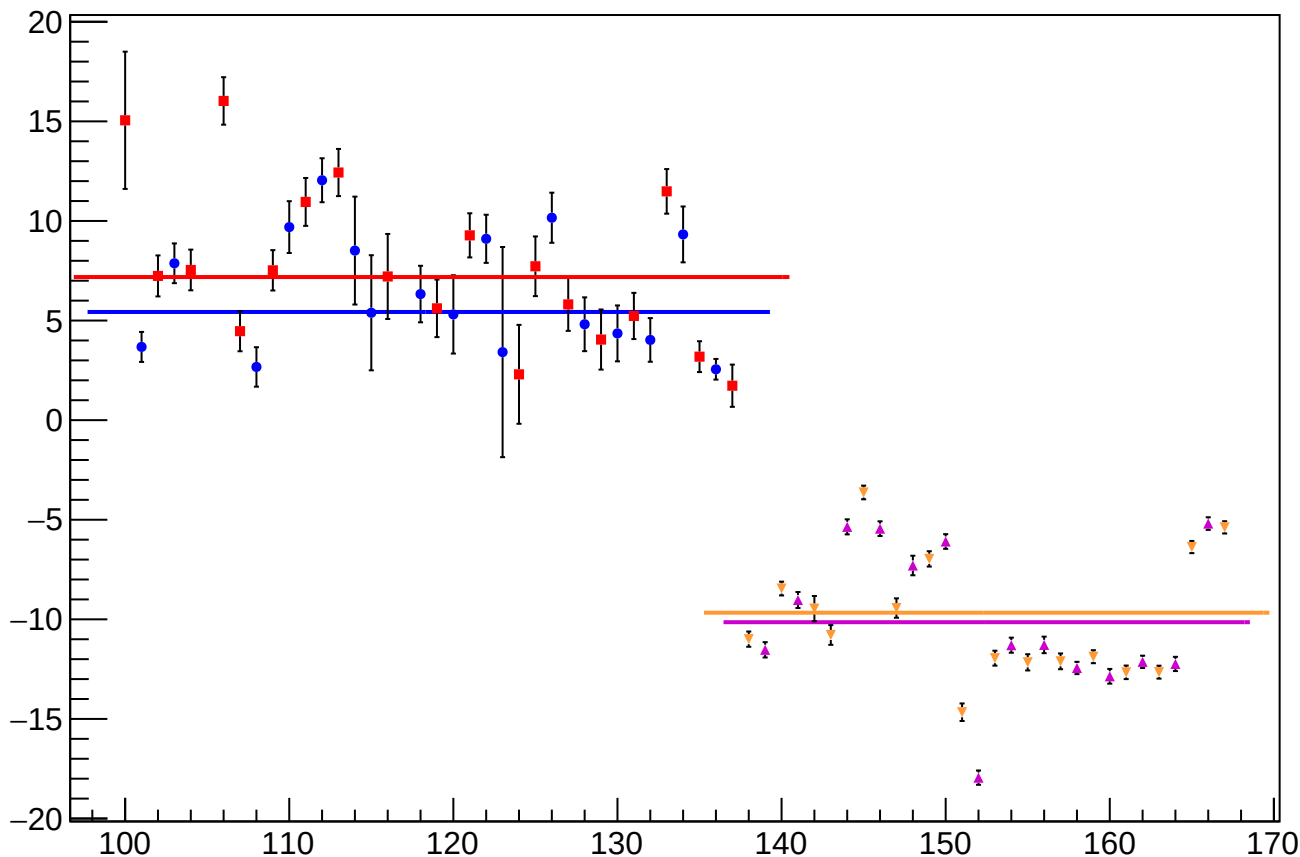
Right: -34.191 ± 0.107 χ^2/NDF : 2677.8/35

In: -31.304 ± 0.066 χ^2/NDF : 2743.1/30

Out: -31.185 ± 0.063 χ^2/NDF : 2369.3/34

All: -31.242 ± 0.046 χ^2/NDF : 5114.1/65

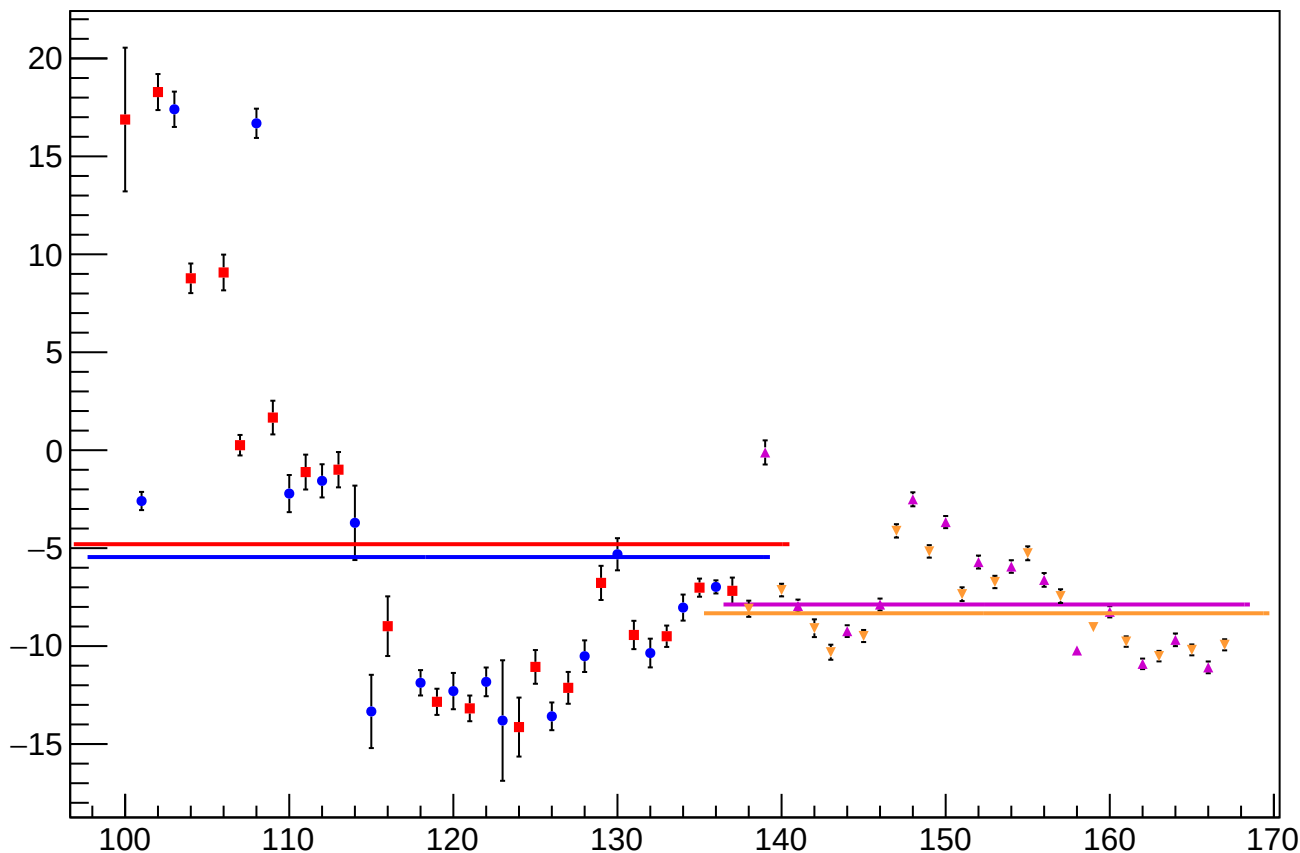
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -10.144 ± 0.097 $\chi^2/\text{NDF}: 1415.3/13$

Left: -9.896 ± 0.067 $\chi^2/\text{NDF}: 2574.0/29$
 Right: 6.295 ± 0.193 $\chi^2/\text{NDF}: 334.8/35$
 In: -8.354 ± 0.092 $\chi^2/\text{NDF}: 4483.9/30$
 Out: -7.916 ± 0.088 $\chi^2/\text{NDF}: 4707.0/34$
 All: -8.127 ± 0.064 $\chi^2/\text{NDF}: 9202.7/65$

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: -7.876 ± 0.084 χ^2/NDF : 1048.0/13

Left: -8.112 ± 0.058 χ^2/NDF : 1663.8/29

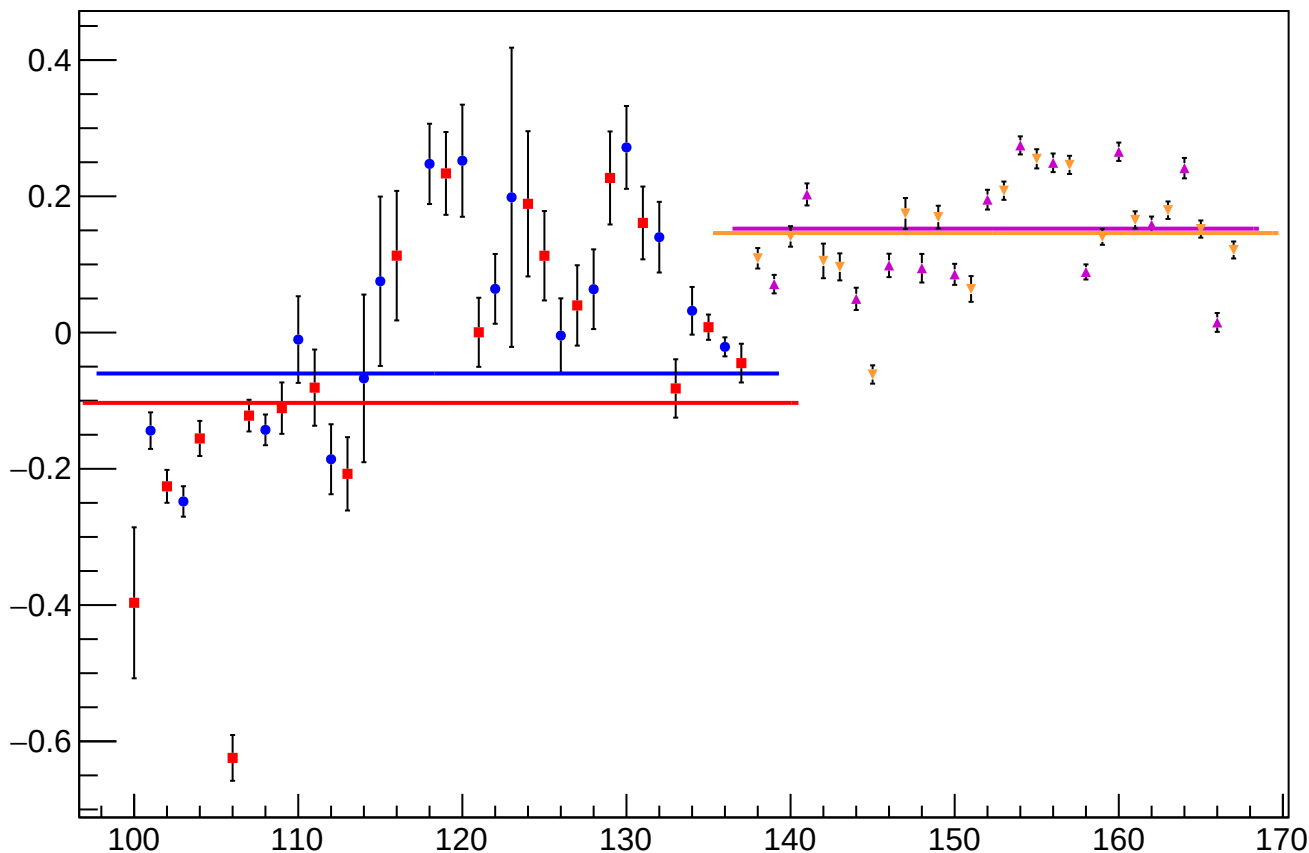
Right: -5.131 ± 0.122 χ^2/NDF : 4151.2/35

In: -7.407 ± 0.075 χ^2/NDF : 3306.5/30

Out: -7.711 ± 0.072 χ^2/NDF : 2991.7/34

All: -7.566 ± 0.052 χ^2/NDF : 6306.7/65

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: 0.153 ± 0.004 χ^2/NDF : 502.3/13

Left: 0.149 ± 0.003 χ^2/NDF : 930.7/29

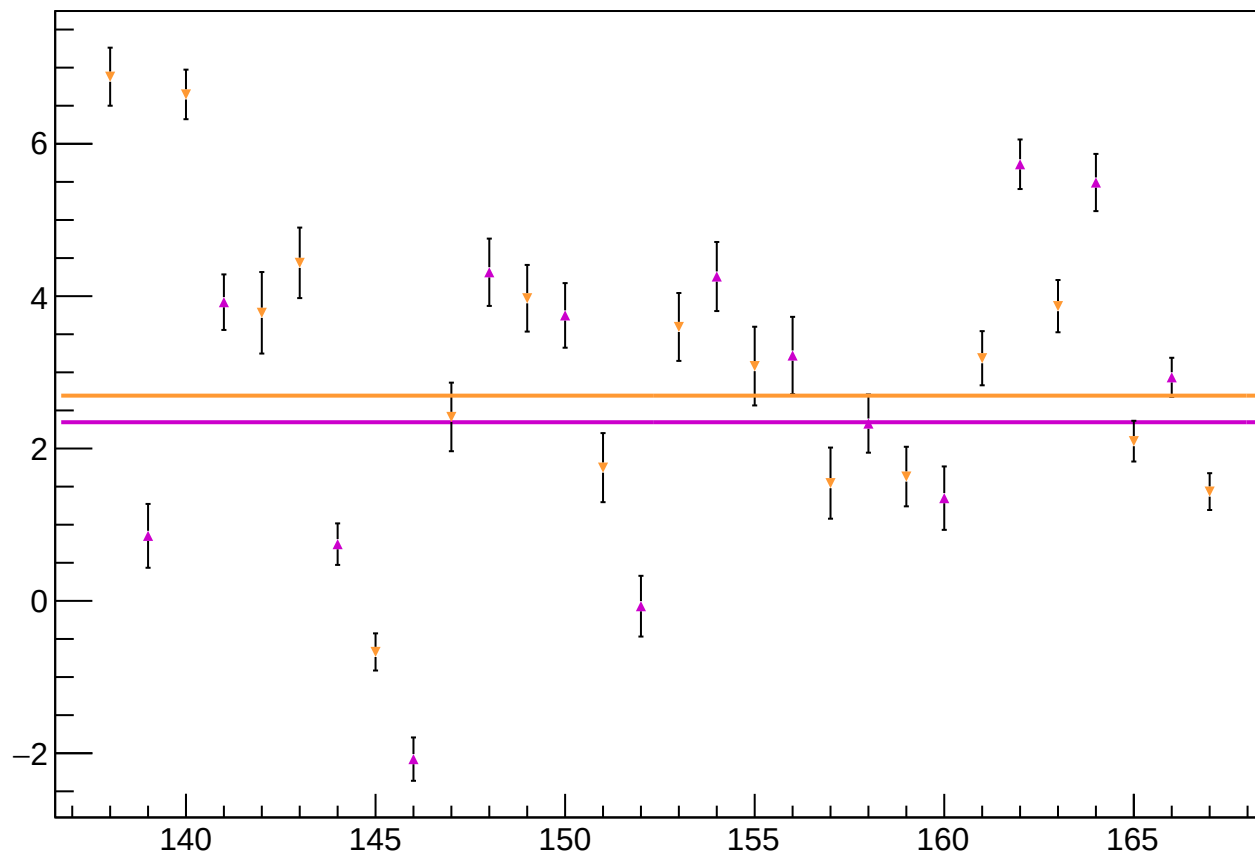
Right: -0.082 ± 0.006 χ^2/NDF : 662.9/35

In: 0.116 ± 0.003 χ^2/NDF : 1248.4/30

Out: 0.107 ± 0.003 χ^2/NDF : 1597.0/34

All: 0.111 ± 0.002 χ^2/NDF : 2849.0/65

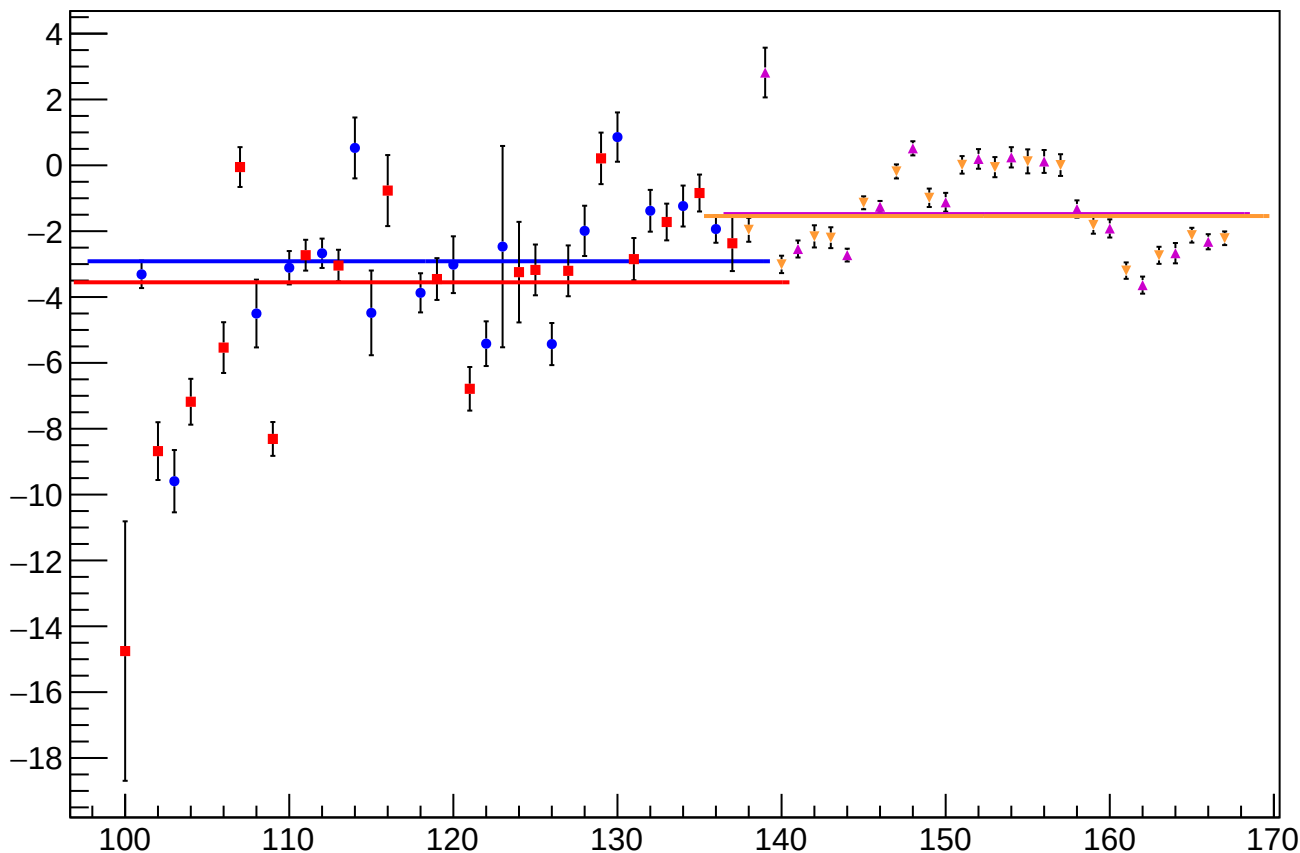
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.694+/-0.090 χ^2/NDF :554.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.345+/-0.096 χ^2/NDF :585.4/13

Left: 2.531+/-0.066 χ^2/NDF : 1146.8/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.345+/-0.096 χ^2/NDF :585.4/13
 Out: 2.694+/-0.090 χ^2/NDF :554.3/15
 All: 2.531+/-0.066 χ^2/NDF : 1146.8/29

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 $\chi^2/\text{NDF}: 146.1/16$

Left Out: -1.540 ± 0.066 $\chi^2/\text{NDF}: 272.4/15$

Right Out: -3.553 ± 0.155 $\chi^2/\text{NDF}: 290.9/18$

Left In: -1.481 ± 0.069 $\chi^2/\text{NDF}: 363.5/13$

Left: -1.512 ± 0.048 $\chi^2/\text{NDF}: 636.4/29$

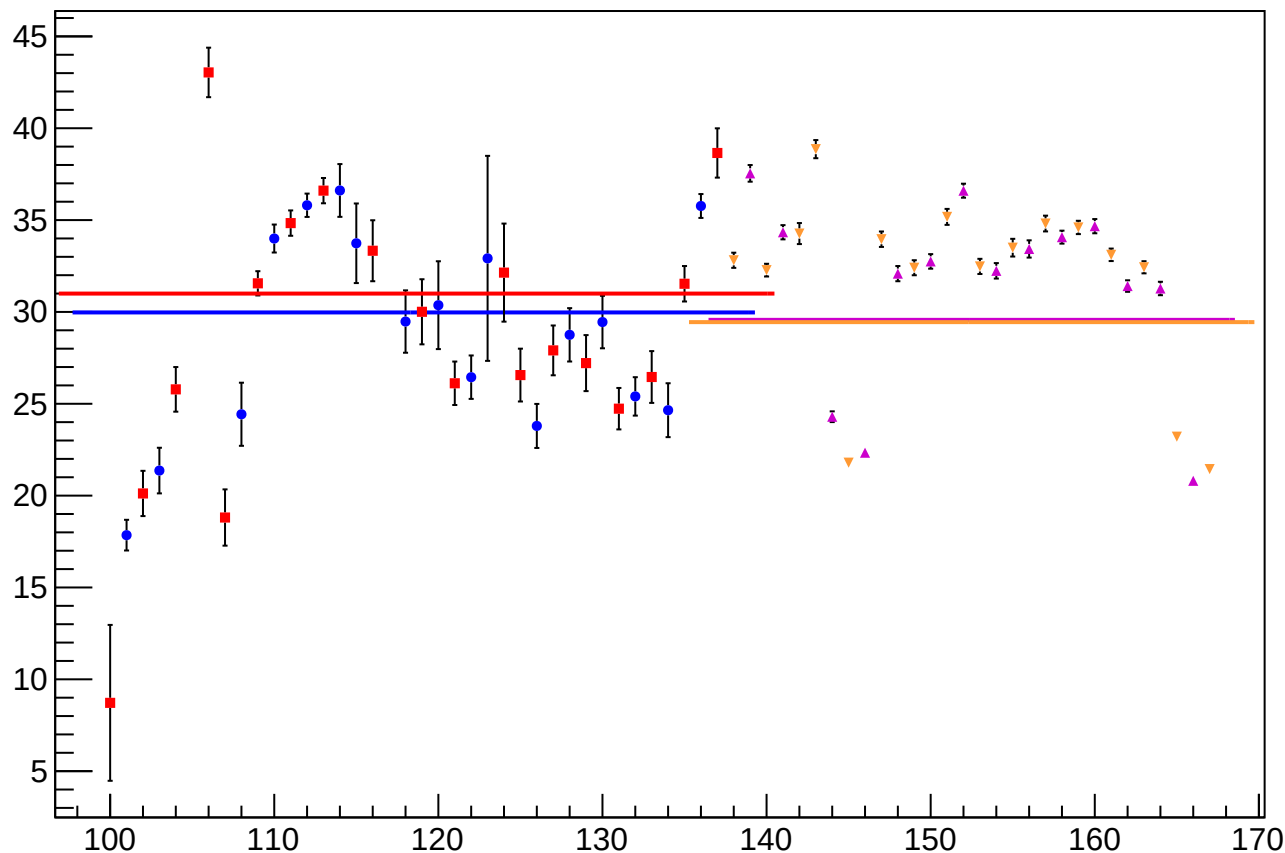
Right: -3.234 ± 0.109 $\chi^2/\text{NDF}: 445.5/35$

In: -1.717 ± 0.063 $\chi^2/\text{NDF}: 581.2/30$

Out: -1.849 ± 0.061 $\chi^2/\text{NDF}: 706.8/34$

All: -1.785 ± 0.044 $\chi^2/\text{NDF}: 1290.3/65$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 29.445 $\pm$ 0.090 χ^2 /NDF: 4055.3/15

Right Out: 30.999 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 29.569 $\pm$ 0.094 χ^2 /NDF: 3560.5/13

Left: 29.504 $\pm$ 0.065 χ^2 /NDF: 7616.7/29

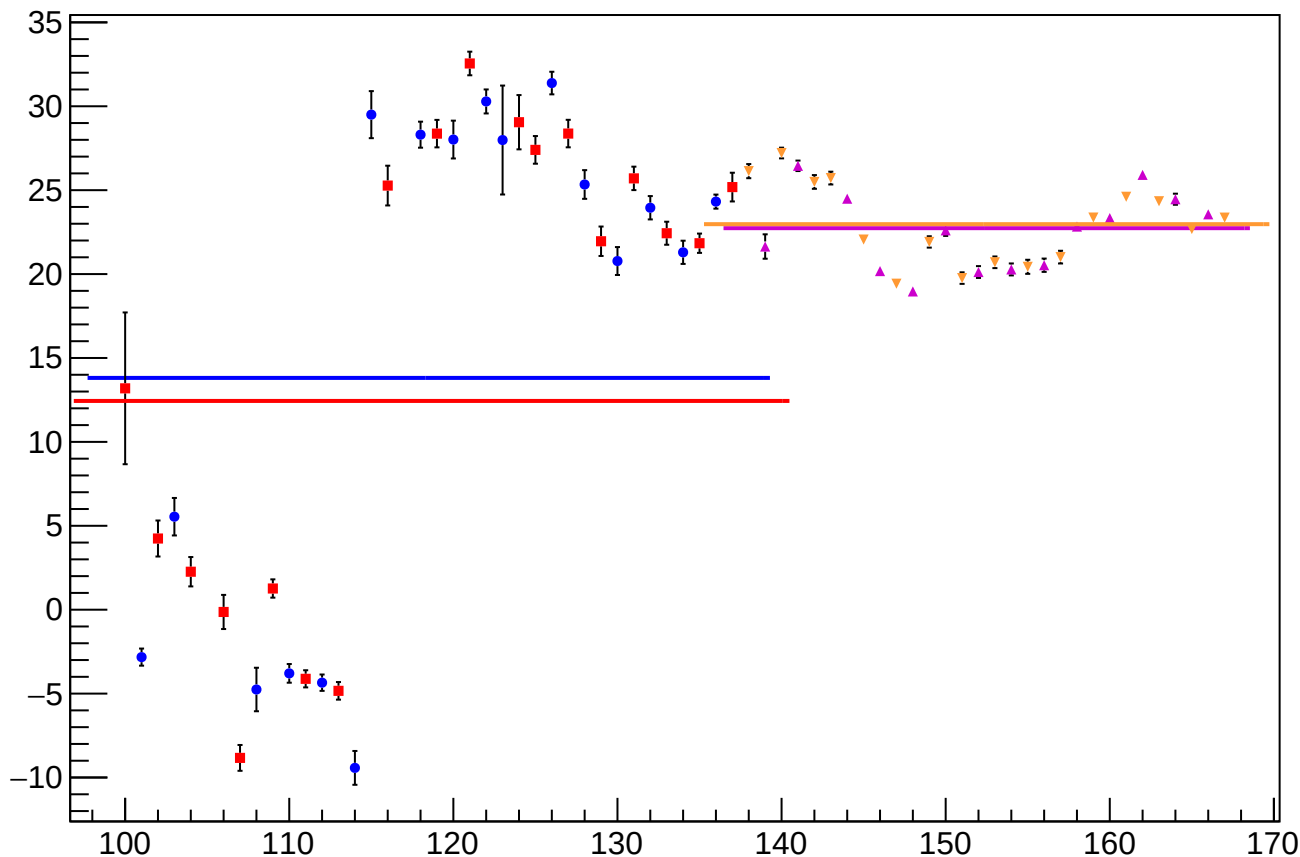
Right: 30.500 $\pm$ 0.186 χ^2 /NDF: 1041.4/35

In: 29.613 $\pm$ 0.089 χ^2 /NDF: 4116.8/30

Out: 29.610 $\pm$ 0.085 χ^2 /NDF: 4566.7/34

All: 29.612 $\pm$ 0.061 χ^2 /NDF: 8683.5/65

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: 22.735 $\pm$ 0.080 χ^2 /NDF: 809.1/13

Left: 22.861 $\pm$ 0.055 χ^2 /NDF: 1569.4/29

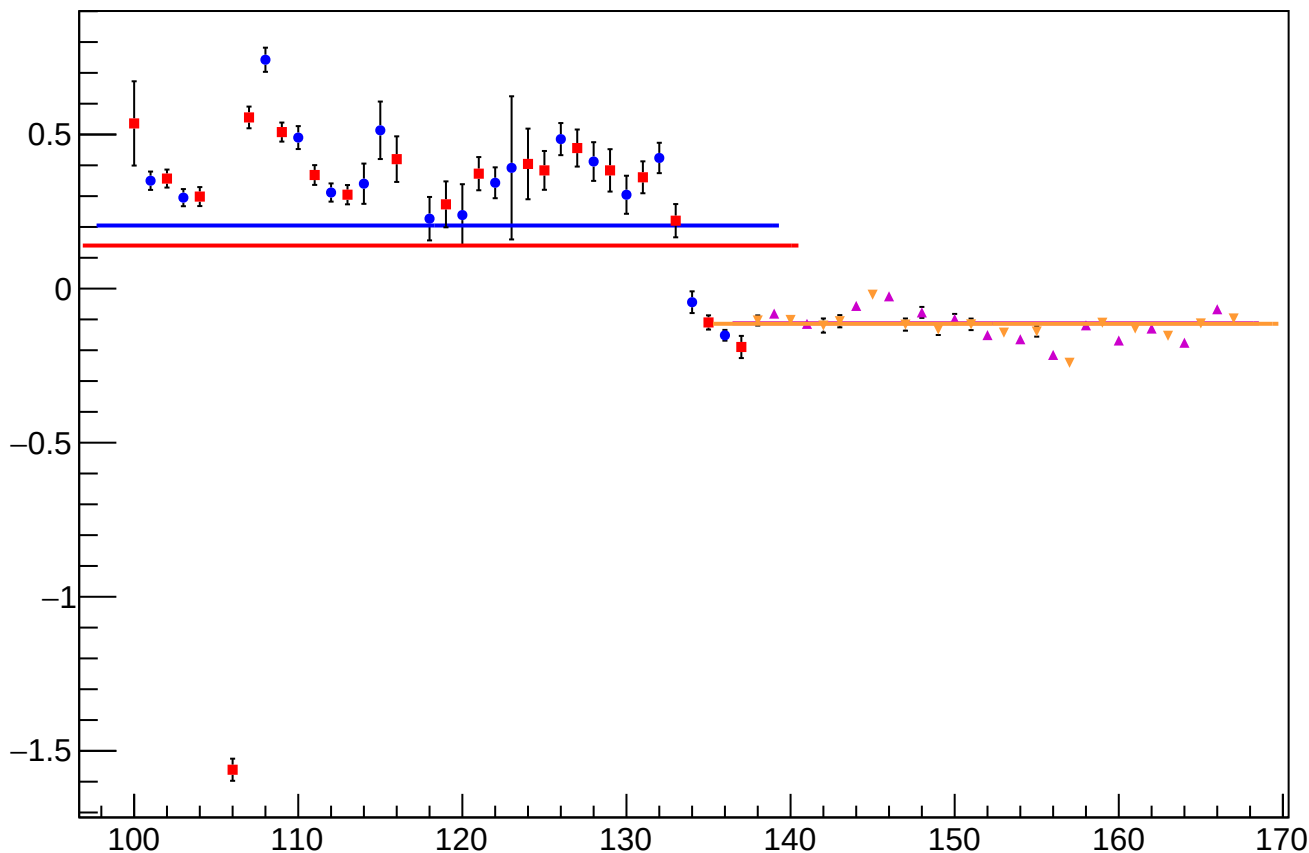
Right: 13.131 $\pm$ 0.122 χ^2 /NDF: 14320.3/35

In: 21.170 $\pm$ 0.072 χ^2 /NDF: 10329.4/30

Out: 21.294 $\pm$ 0.069 χ^2 /NDF: 10816.3/34

All: 21.235 $\pm$ 0.050 χ^2 /NDF: 21147.2/65

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.114 ± 0.004 χ^2/NDF : 184.1/15

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

Left In: -0.112 ± 0.004 χ^2/NDF : 189.6/13

Left: -0.113 ± 0.003 χ^2/NDF : 373.8/29

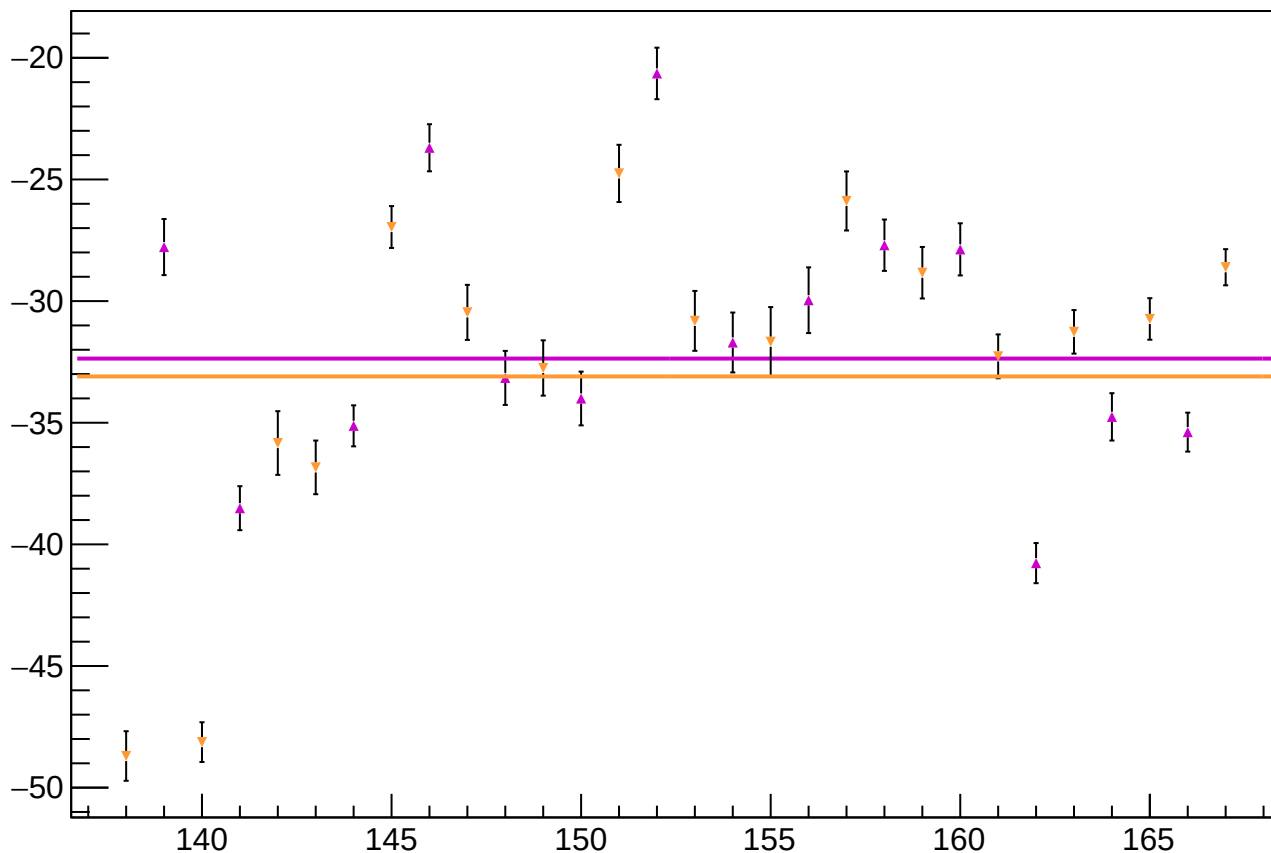
Right: 0.172 ± 0.007 χ^2/NDF : 3884.5/35

In: -0.068 ± 0.004 χ^2/NDF : 2020.2/30

Out: -0.082 ± 0.003 χ^2/NDF : 3860.9/34

All: -0.075 ± 0.002 χ^2/NDF : 5889.0/65

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: -32.363+/-0.267 χ^2/NDF : 442.9/13

Left: -32.752+/-0.183 χ^2/NDF : 1248.0/29

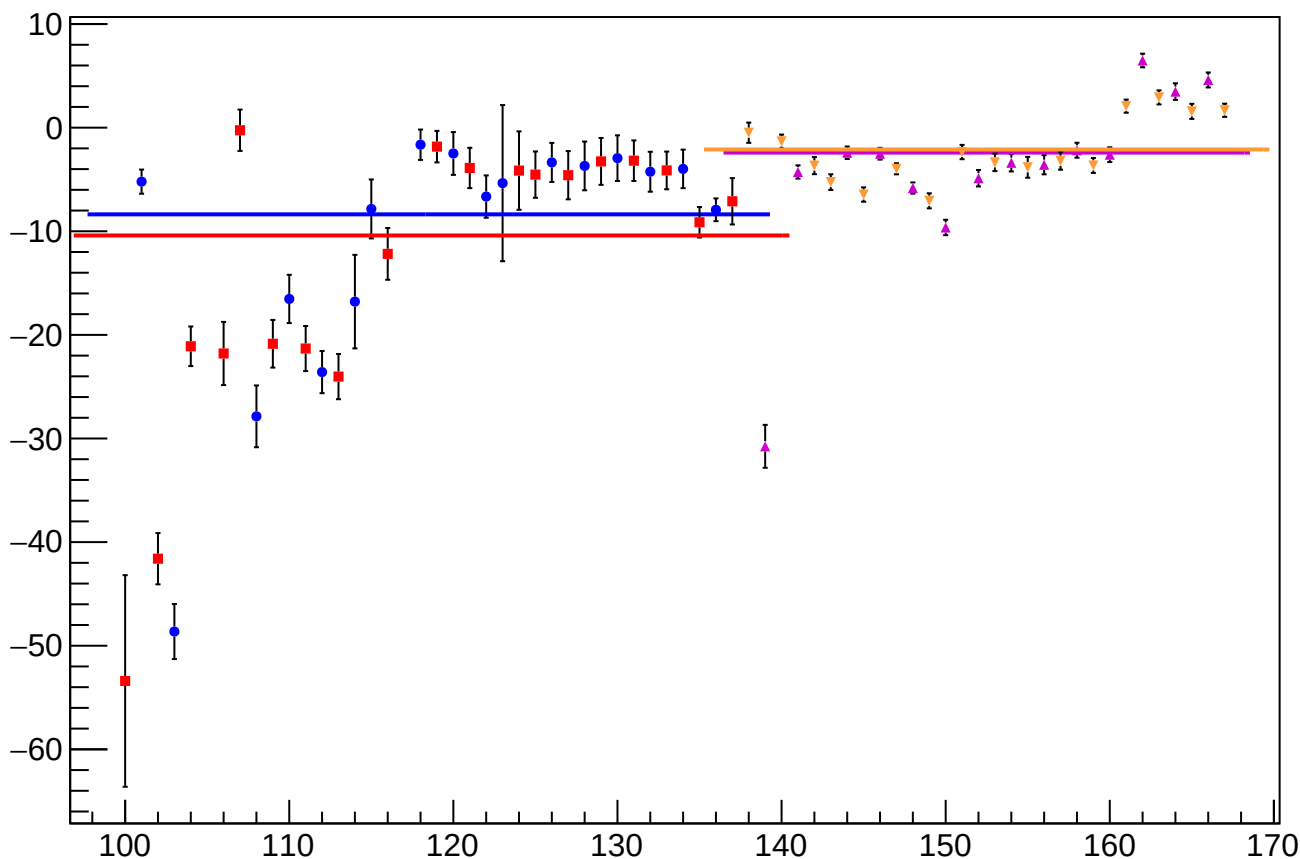
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.363+/-0.267 χ^2/NDF : 442.9/13

Out: -33.097+/-0.251 χ^2/NDF : 801.0/15

All: -32.752+/-0.183 χ^2/NDF : 1248.0/29

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -2.108 ± 0.180 $\chi^2/\text{NDF}: 293.1/15$

Right Out: -10.405 ± 0.491 $\chi^2/\text{NDF}: 430.3/18$

Left In: -2.404 ± 0.190 $\chi^2/\text{NDF}: 673.5/13$

Left: -2.248 ± 0.131 $\chi^2/\text{NDF}: 967.9/29$

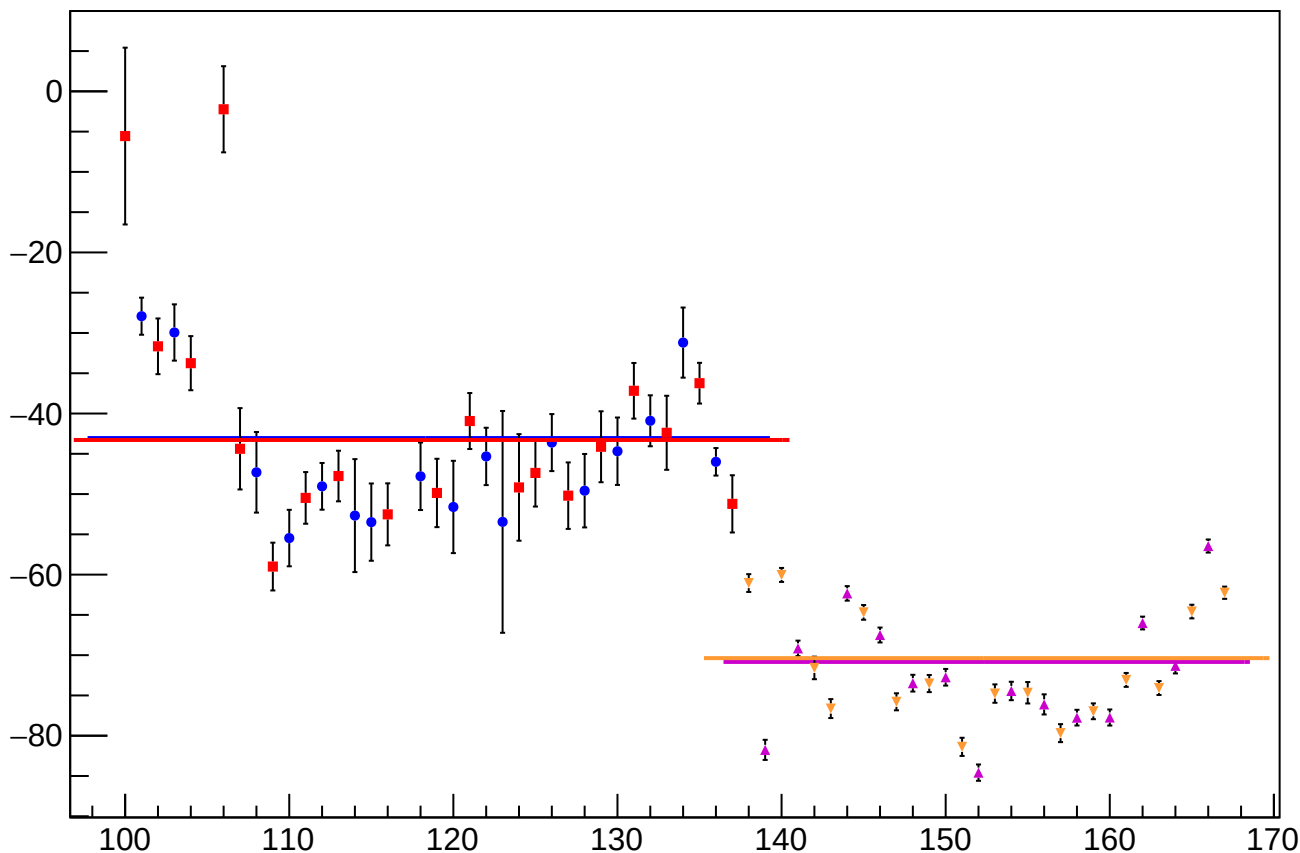
Right: -9.333 ± 0.338 $\chi^2/\text{NDF}: 848.2/35$

In: -3.256 ± 0.176 $\chi^2/\text{NDF}: 1222.6/30$

Out: -3.094 ± 0.169 $\chi^2/\text{NDF}: 975.1/34$

All: -3.172 ± 0.122 $\chi^2/\text{NDF}: 2198.1/65$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



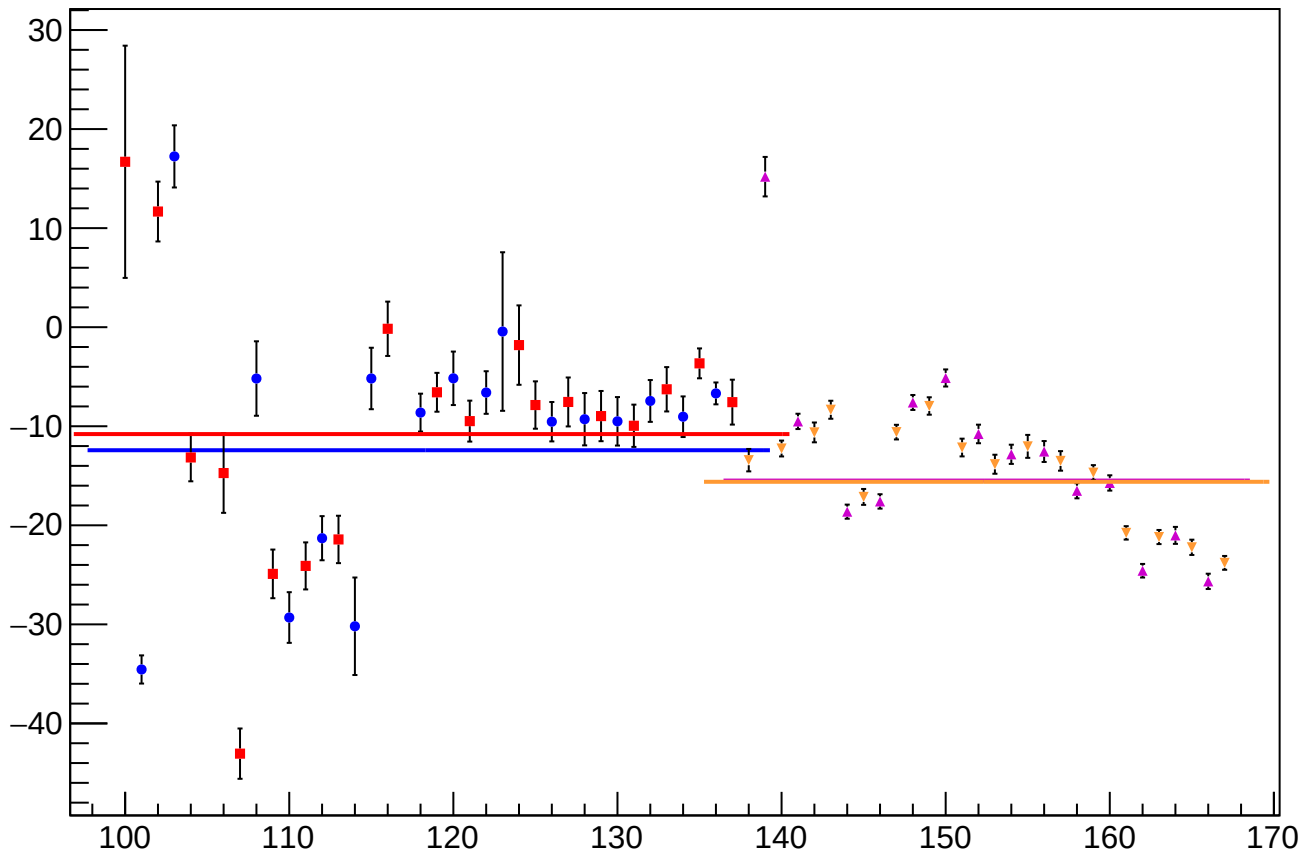
Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$
 Left Out: -70.368 ± 0.249 $\chi^2/\text{NDF}: 739.5/15$
 Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$
 Left In: -70.837 ± 0.262 $\chi^2/\text{NDF}: 850.8/13$

Left: -70.591 ± 0.180 $\chi^2/\text{NDF}: 1592.0/29$
 Right: -43.161 ± 0.602 $\chi^2/\text{NDF}: 253.4/35$

In: -68.366 ± 0.250 $\chi^2/\text{NDF}: 1953.5/30$
 Out: -68.303 ± 0.239 $\chi^2/\text{NDF}: 1795.1/34$

All: -68.333 ± 0.173 $\chi^2/\text{NDF}: 3748.6/65$

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: -15.484 ± 0.221 χ^2/NDF : 1010.4/13

Left: -15.549 ± 0.152 χ^2/NDF : 1610.0/29

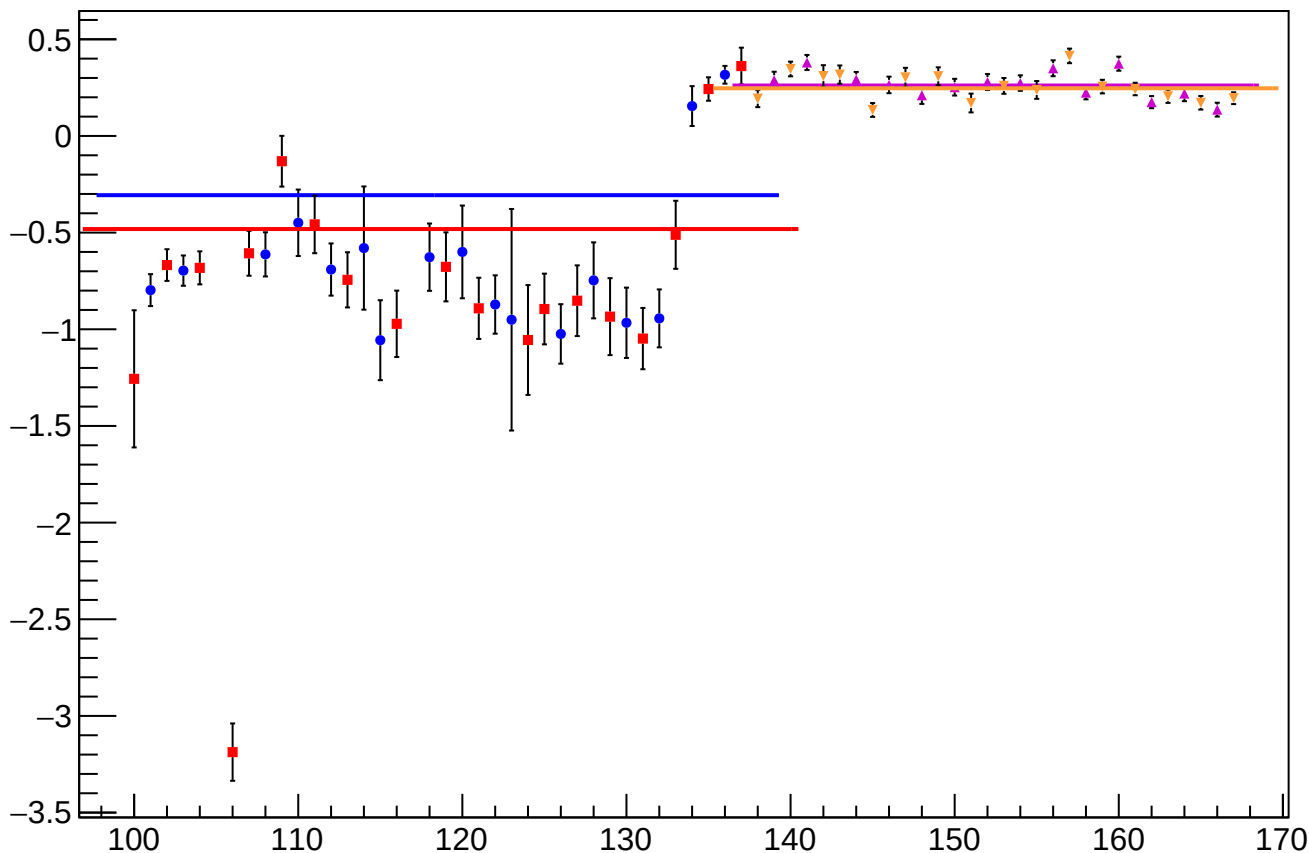
Right: -11.652 ± 0.380 χ^2/NDF : 844.7/35

In: -15.021 ± 0.203 χ^2/NDF : 1513.9/30

Out: -15.008 ± 0.195 χ^2/NDF : 1031.4/34

All: -15.014 ± 0.141 χ^2/NDF : 2545.4/65

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.247 ± 0.010 χ^2/NDF : 56.0/15

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.261 ± 0.010 χ^2/NDF : 48.3/13

Left: 0.253 ± 0.007 χ^2/NDF : 105.3/29

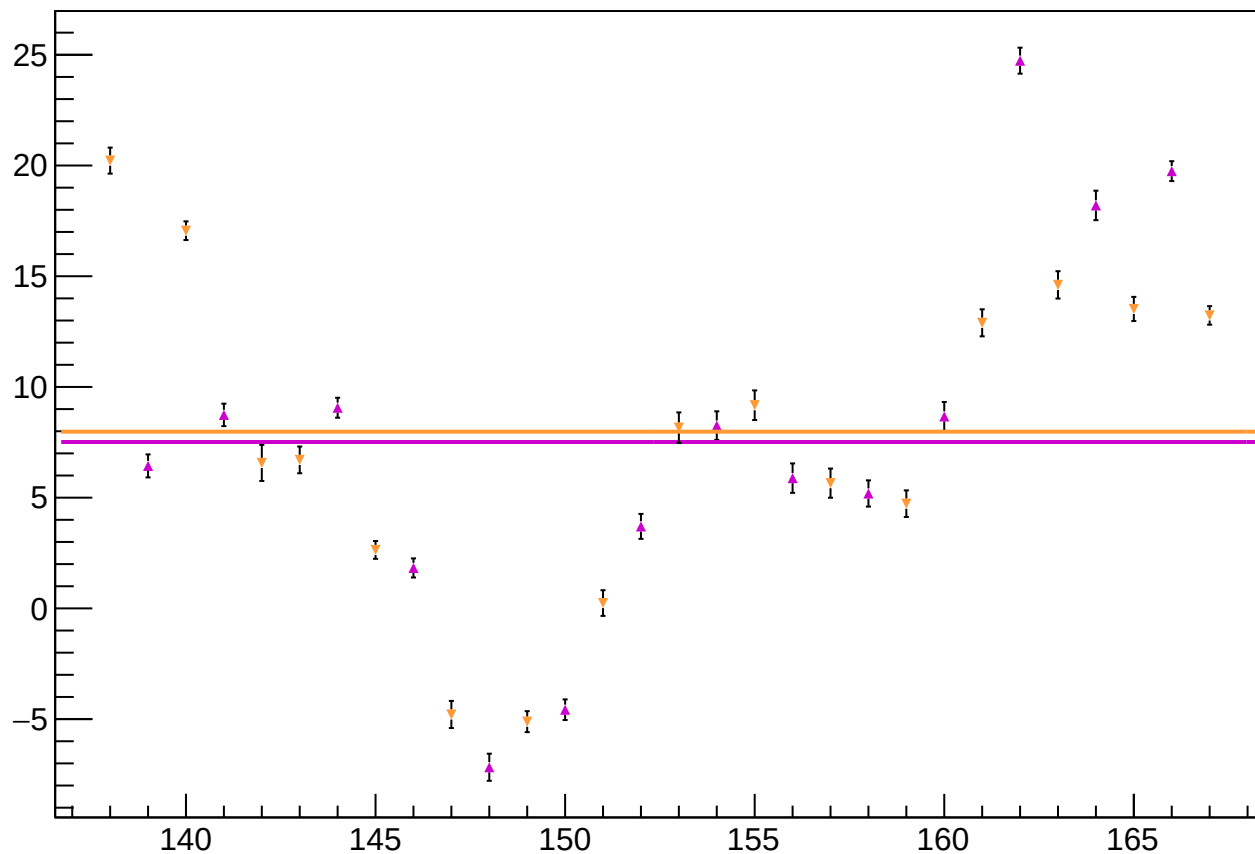
Right: -0.391 ± 0.020 χ^2/NDF : 1019.4/35

In: 0.190 ± 0.010 χ^2/NDF : 790.4/30

Out: 0.169 ± 0.009 χ^2/NDF : 1263.7/34

All: 0.179 ± 0.007 χ^2/NDF : 2056.5/65

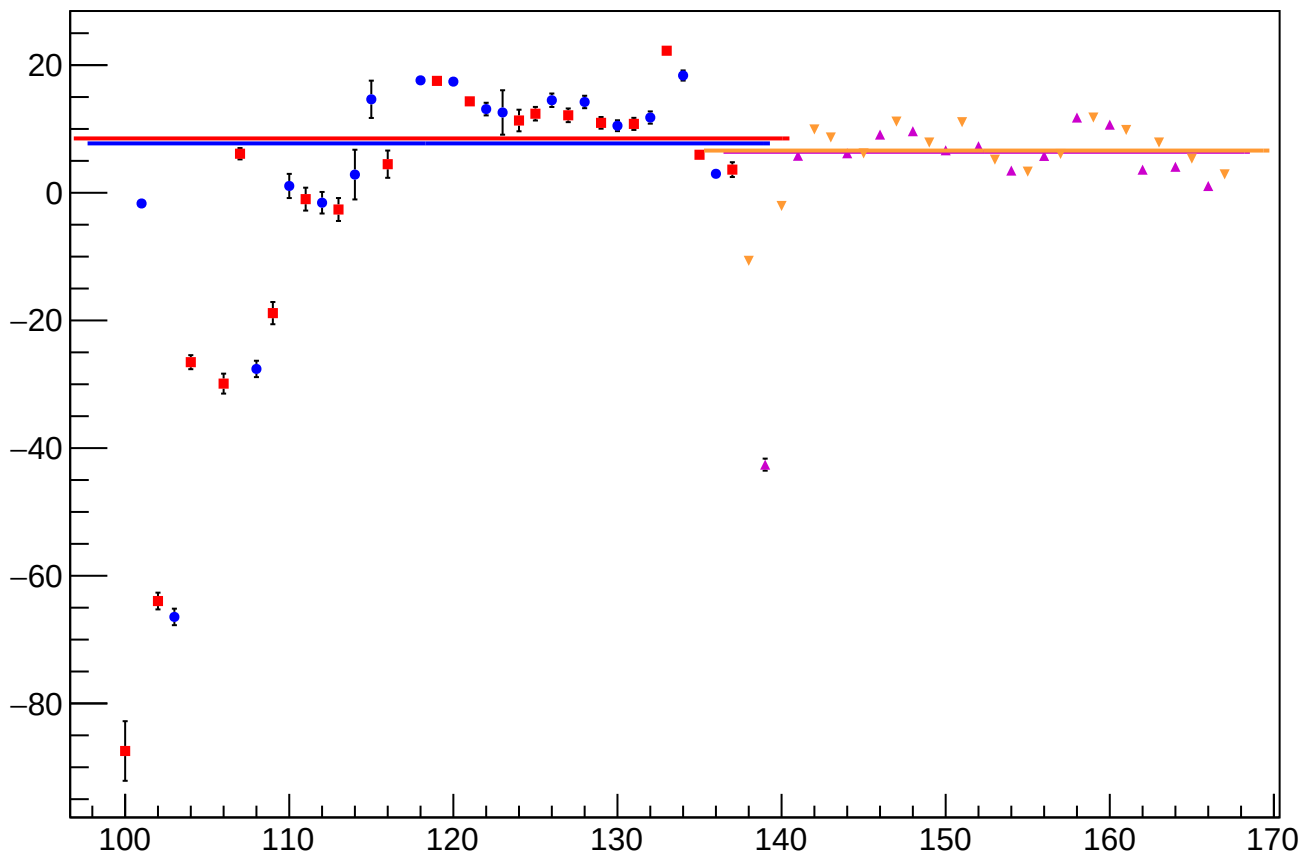
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 7.514+/-0.144 χ^2/NDF :3379.5/13

Left: 7.758+/-0.099 χ^2/NDF : 6328.3/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.514+/-0.144 χ^2/NDF :3379.5/13
 Out: 7.981+/-0.138 χ^2/NDF :2943.3/15
 All: 7.758+/-0.099 χ^2/NDF : 6328.3/29

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 ± 0.218 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 6.615 ± 0.099 $\chi^2/\text{NDF}: 2338.6/15$

Right Out: 8.514 ± 0.213 $\chi^2/\text{NDF}: 6719.4/18$

Left In: 6.419 ± 0.104 $\chi^2/\text{NDF}: 3451.7/13$

Left: 6.521 ± 0.072 $\chi^2/\text{NDF}: 5792.2/29$

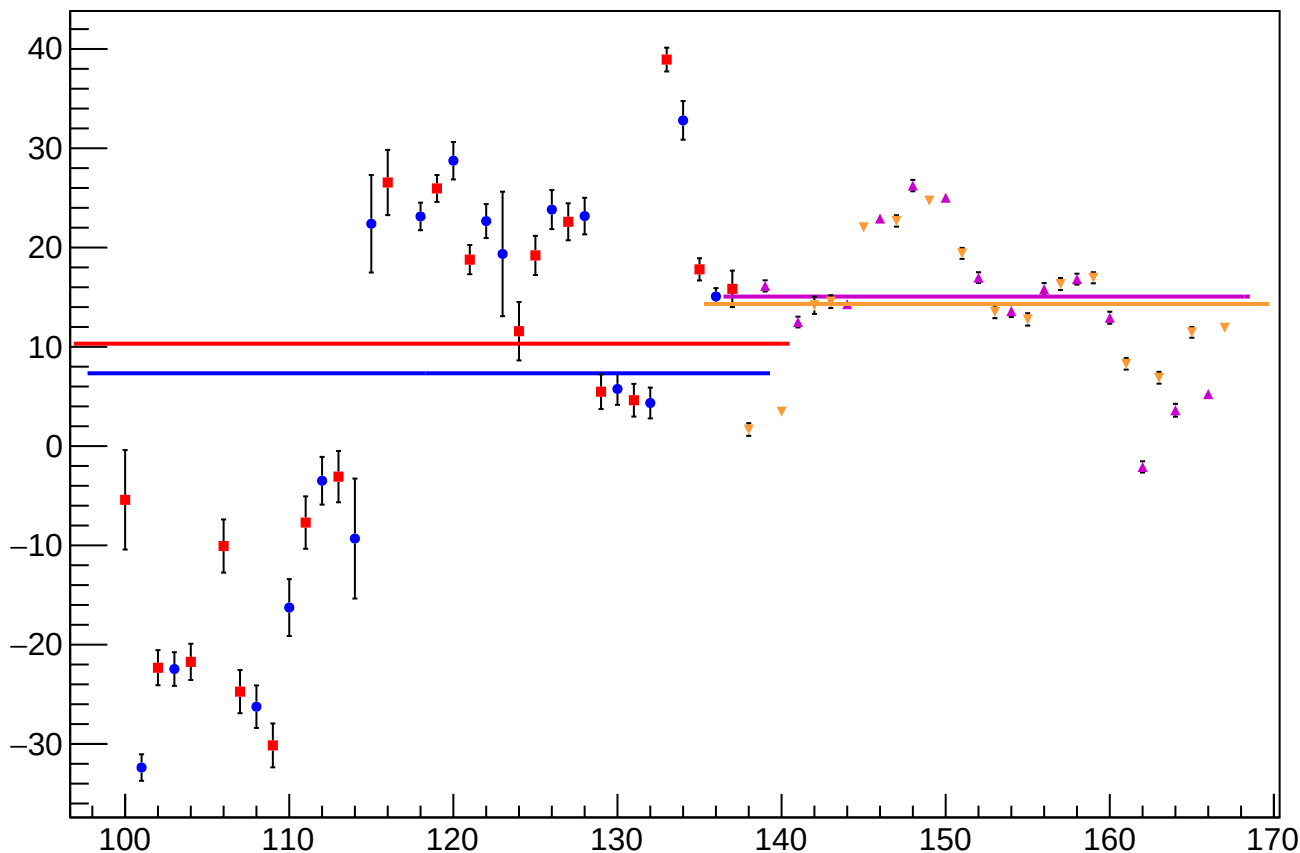
Right: 8.134 ± 0.152 $\chi^2/\text{NDF}: 12026.5/35$

In: 6.662 ± 0.094 $\chi^2/\text{NDF}: 8782.1/30$

Out: 6.951 ± 0.090 $\chi^2/\text{NDF}: 9123.4/34$

All: 6.813 ± 0.065 $\chi^2/\text{NDF}: 17910.4/65$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 $\pm$ 0.419 χ^2 /NDF: 2293.1/16

Left Out: 14.318 $\pm$ 0.136 χ^2 /NDF:2519.9/15

Right Out: 10.317 $\pm$ 0.417 χ^2 /NDF: 2281.5/18

Left In: 15.062 $\pm$ 0.141 χ^2 /NDF:3029.4/13

Left: 14.678 $\pm$ 0.098 χ^2 /NDF: 5563.7/29

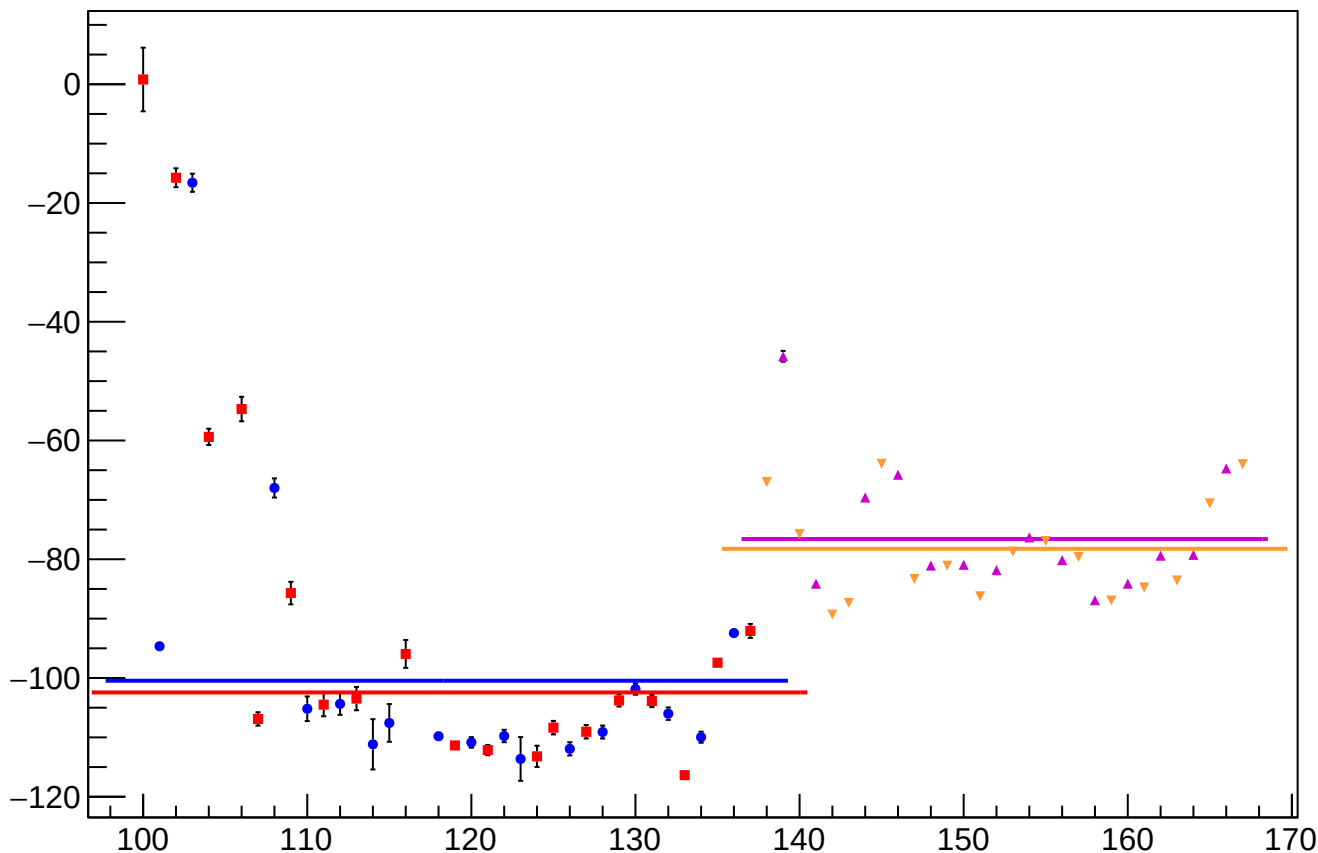
Right: 8.831 $\pm$ 0.295 χ^2 /NDF: 4600.2/35

In: 14.273 $\pm$ 0.134 χ^2 /NDF:5628.7/30

Out: 13.931 $\pm$ 0.130 χ^2 /NDF:4884.6/34

All: 14.097 $\pm$ 0.093 χ^2 /NDF: 10516.7/65

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: -76.588 ± 0.121 χ^2/NDF : 4812.4/13

Left: -77.449 ± 0.083 χ^2/NDF : 10136.4/29

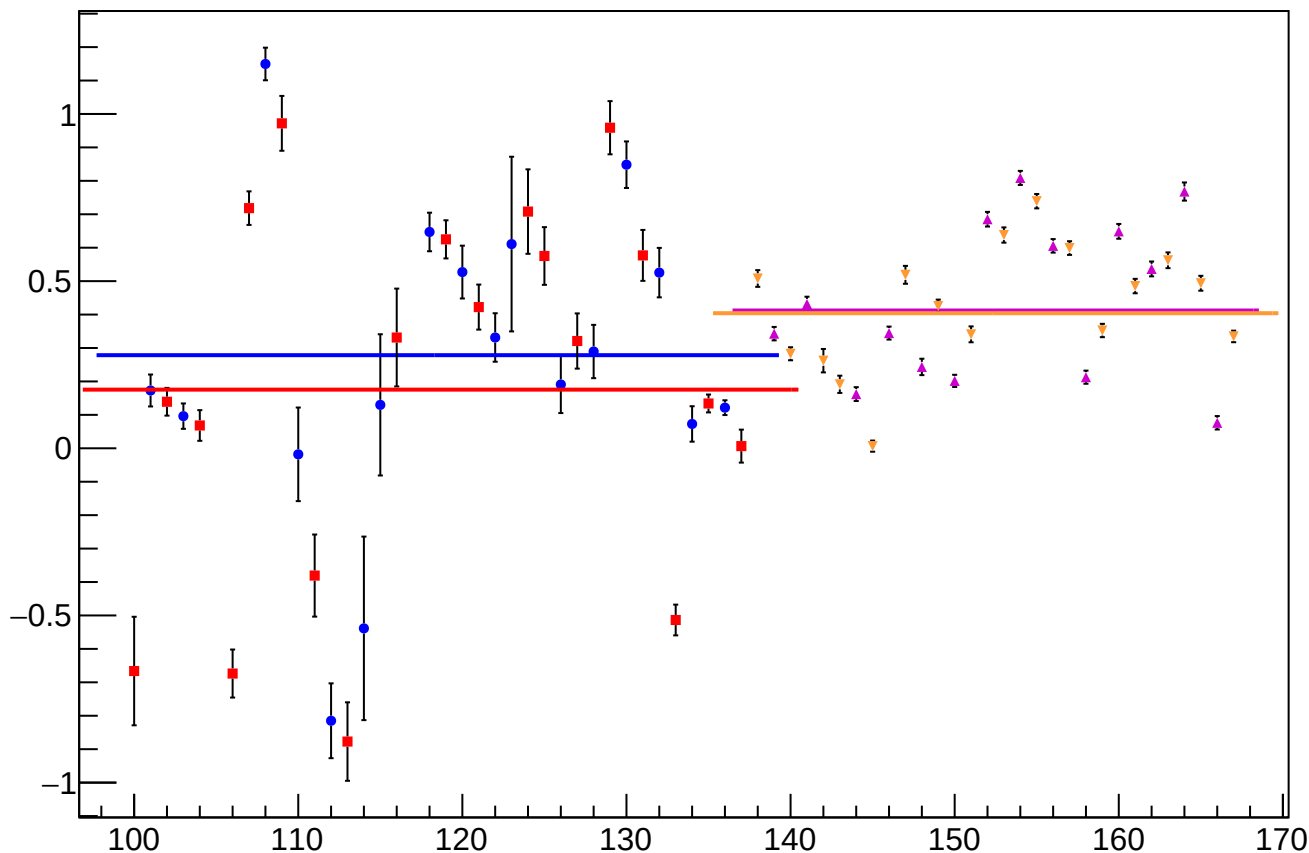
Right: -101.462 ± 0.176 χ^2/NDF : 10586.9/35

In: -81.071 ± 0.109 χ^2/NDF : 16633.4/30

Out: -82.587 ± 0.104 χ^2/NDF : 19237.9/34

All: -81.859 ± 0.075 χ^2/NDF : 35972.5/65

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.404 ± 0.005 χ^2/NDF : 1272.3/15

Right Out: 0.175 ± 0.013 χ^2/NDF : 967.7/18

Left In: 0.412 ± 0.006 χ^2/NDF : 1650.9/13

Left: 0.408 ± 0.004 χ^2/NDF : 2924.3/29

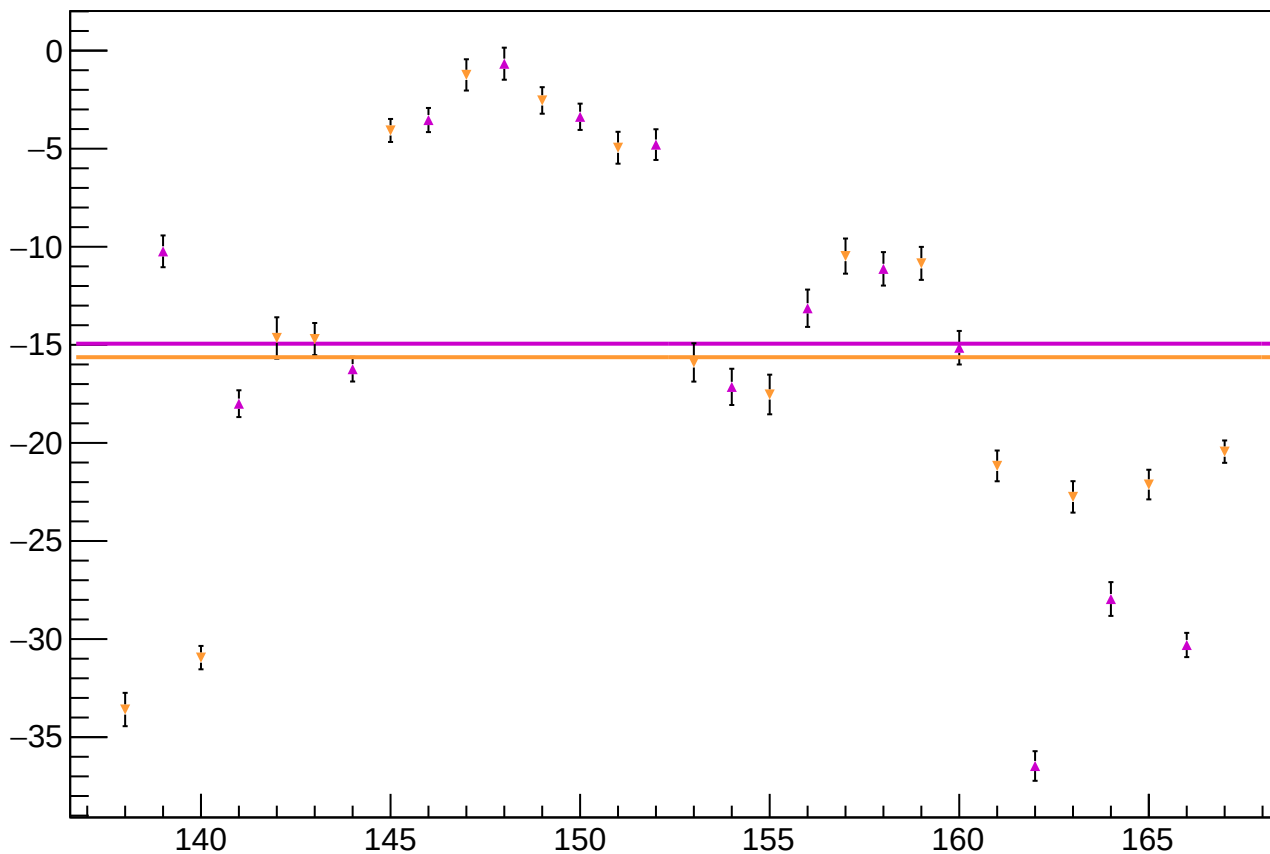
Right: 0.227 ± 0.010 χ^2/NDF : 1650.8/35

In: 0.392 ± 0.005 χ^2/NDF : 2388.0/30

Out: 0.372 ± 0.005 χ^2/NDF : 2487.9/34

All: 0.382 ± 0.004 χ^2/NDF : 4883.5/65

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



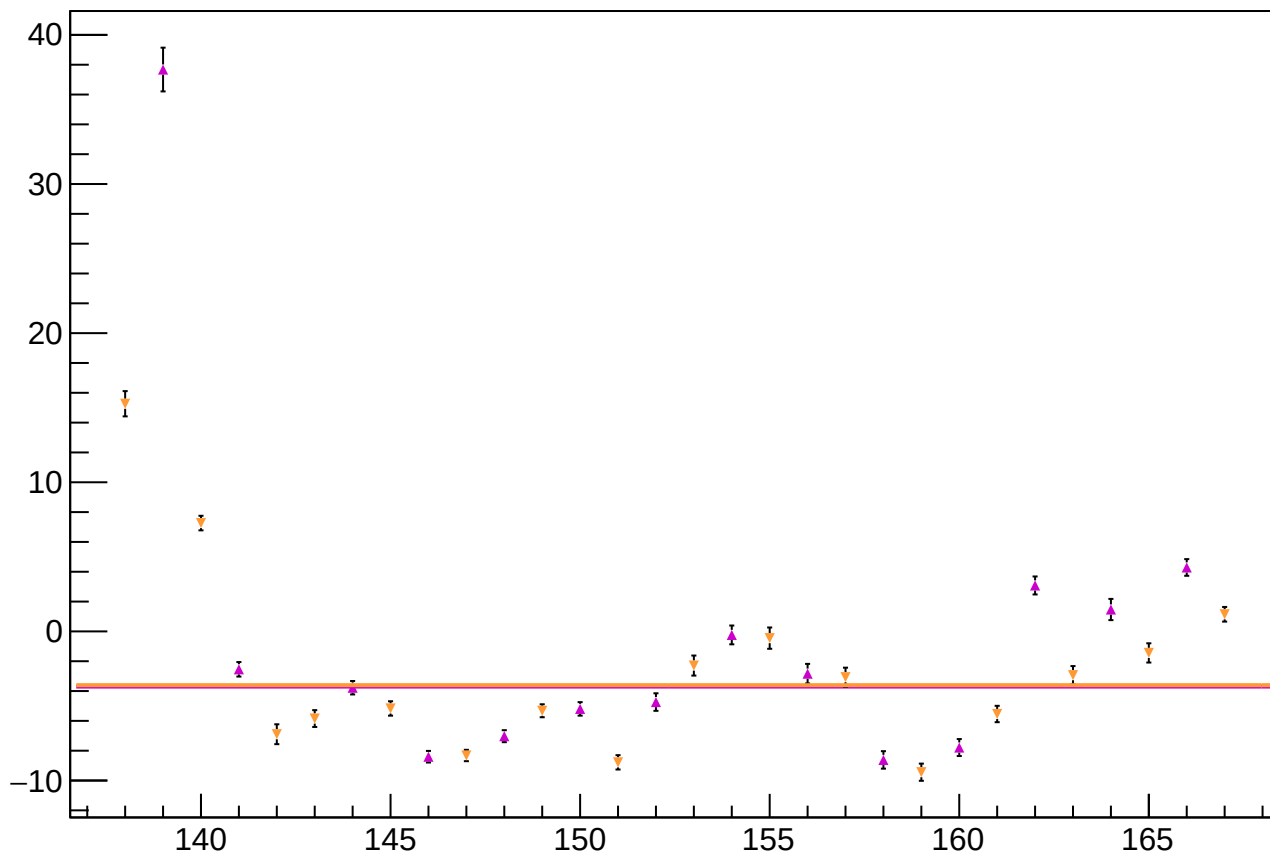
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -15.630+/-0.191 χ^2/NDF : 2713.5/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -14.942+/-0.200 χ^2/NDF : 2862.1/13

Left: -15.303+/-0.138 χ^2/NDF : 5581.8/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.942+/-0.200 χ^2/NDF : 2862.1/13
 Out: -15.630+/-0.191 χ^2/NDF : 2713.5/15

All: -15.303+/-0.138 χ^2/NDF : 5581.8/29

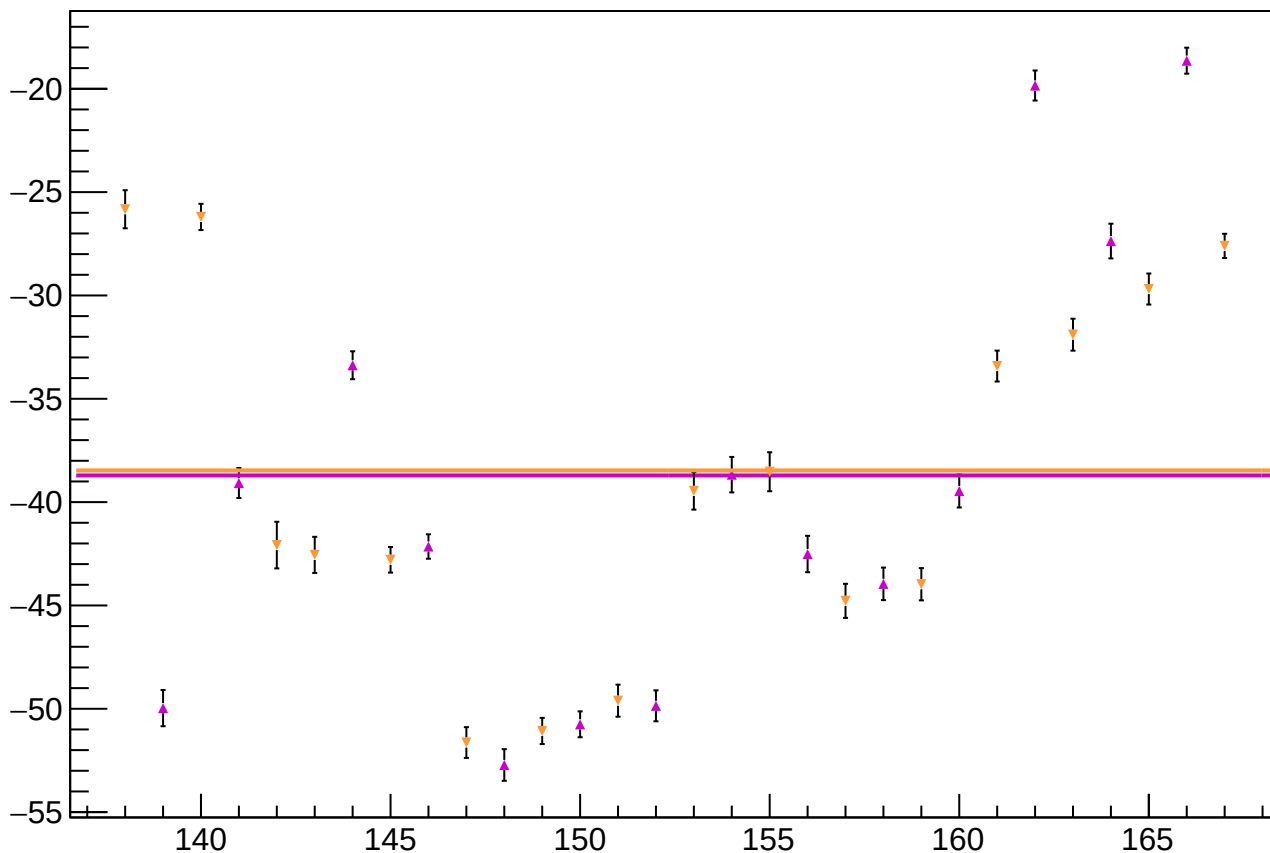
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.606+/-0.136 χ^2/NDF :1570.4/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.700+/-0.143 χ^2/NDF :1567.5/13

Left: -3.651+/-0.099 χ^2/NDF : 3138.1/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.700+/-0.143 χ^2/NDF :1567.5/13
 Out: -3.606+/-0.136 χ^2/NDF :1570.4/15
 All: -3.651+/-0.099 χ^2/NDF : 3138.1/29

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: -38.709+/-0.196 χ^2/NDF :3124.2/13

Left: -38.583+/-0.136 χ^2/NDF : 5393.3/29

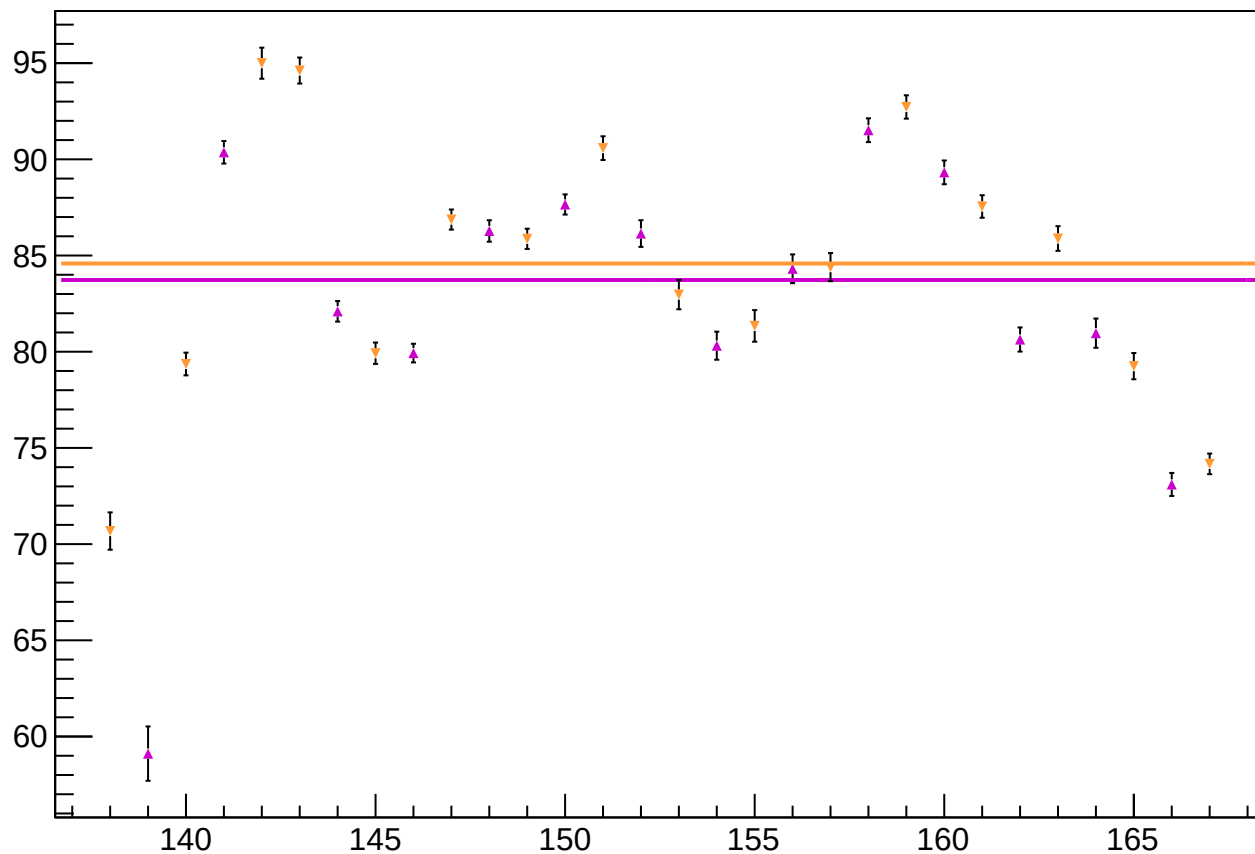
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.709+/-0.196 χ^2/NDF :3124.2/13

Out: -38.466+/-0.189 χ^2/NDF :2268.2/15

All: -38.583+/-0.136 χ^2/NDF : 5393.3/29

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: 83.729+/-0.167 χ^2 /NDF:1207.4/13

Left: 84.177+/-0.115 χ^2 /NDF: 2749.1/29

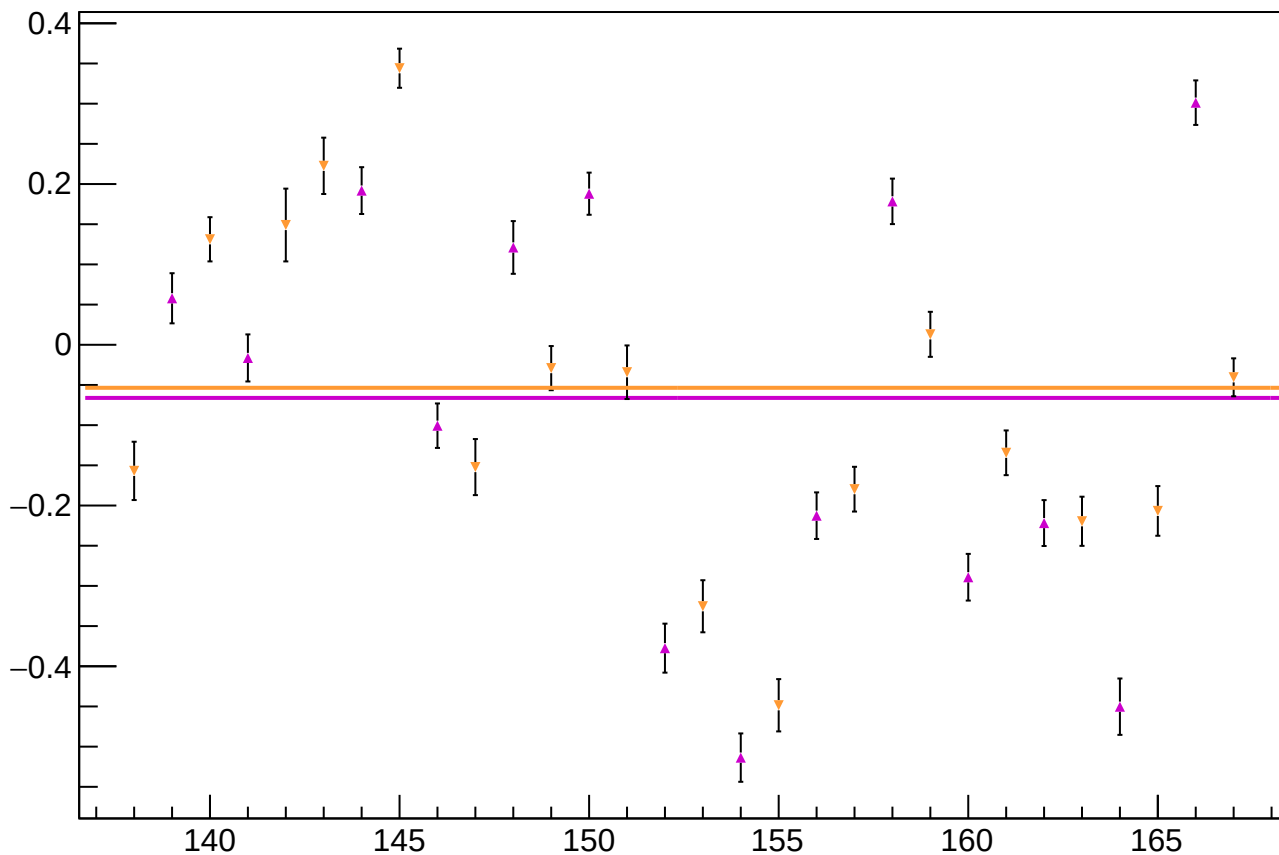
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 83.729+/-0.167 χ^2 /NDF:1207.4/13

Out: 84.585+/-0.159 χ^2 /NDF:1527.9/15

All: 84.177+/-0.115 χ^2 /NDF: 2749.1/29

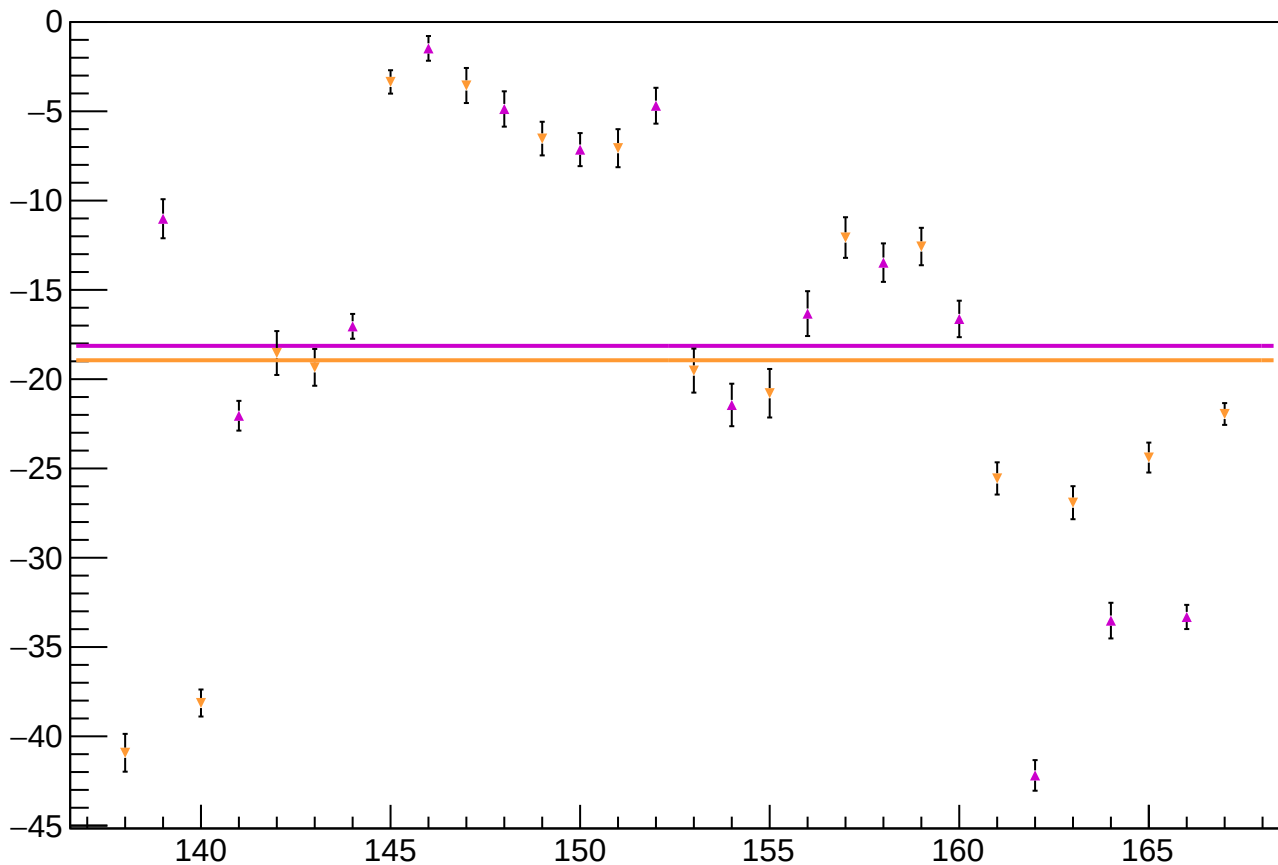
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.054 $\pm$ 0.007 χ^2 /NDF:718.0/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.066 $\pm$ 0.008 χ^2 /NDF:1035.5/13

Left: -0.060 $\pm$ 0.005 χ^2 /NDF: 1754.9/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.066 $\pm$ 0.008 χ^2 /NDF:1035.5/13
 Out: -0.054 $\pm$ 0.007 χ^2 /NDF:718.0/15
 All: -0.060 $\pm$ 0.005 χ^2 /NDF: 1754.9/29

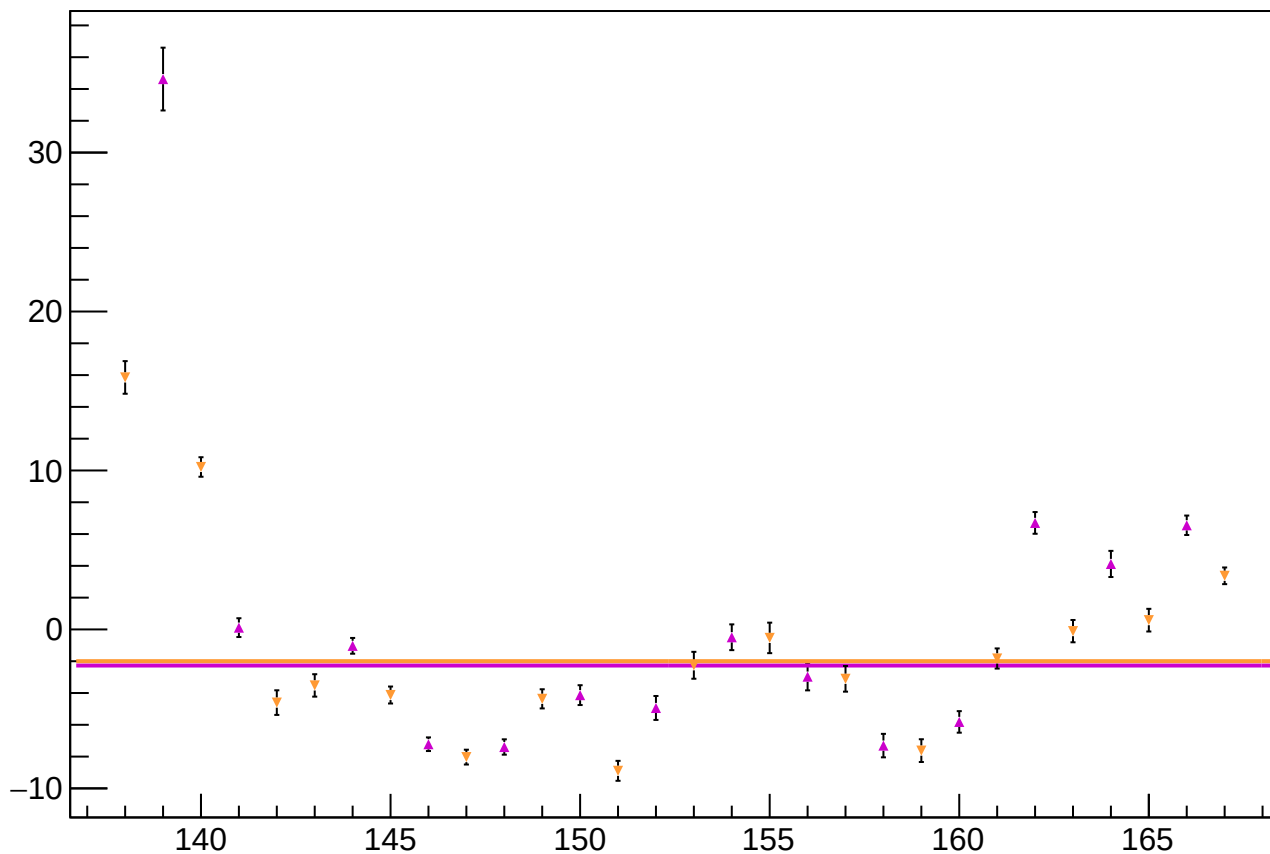
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -18.134 ± 0.240 χ^2/NDF : 2704.5/13

Left: -18.556 ± 0.166 χ^2/NDF : 5165.5/29
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -18.134 ± 0.240 χ^2/NDF : 2704.5/13
 Out: -18.941 ± 0.229 χ^2/NDF : 2455.1/15
 All: -18.556 ± 0.166 χ^2/NDF : 5165.5/29

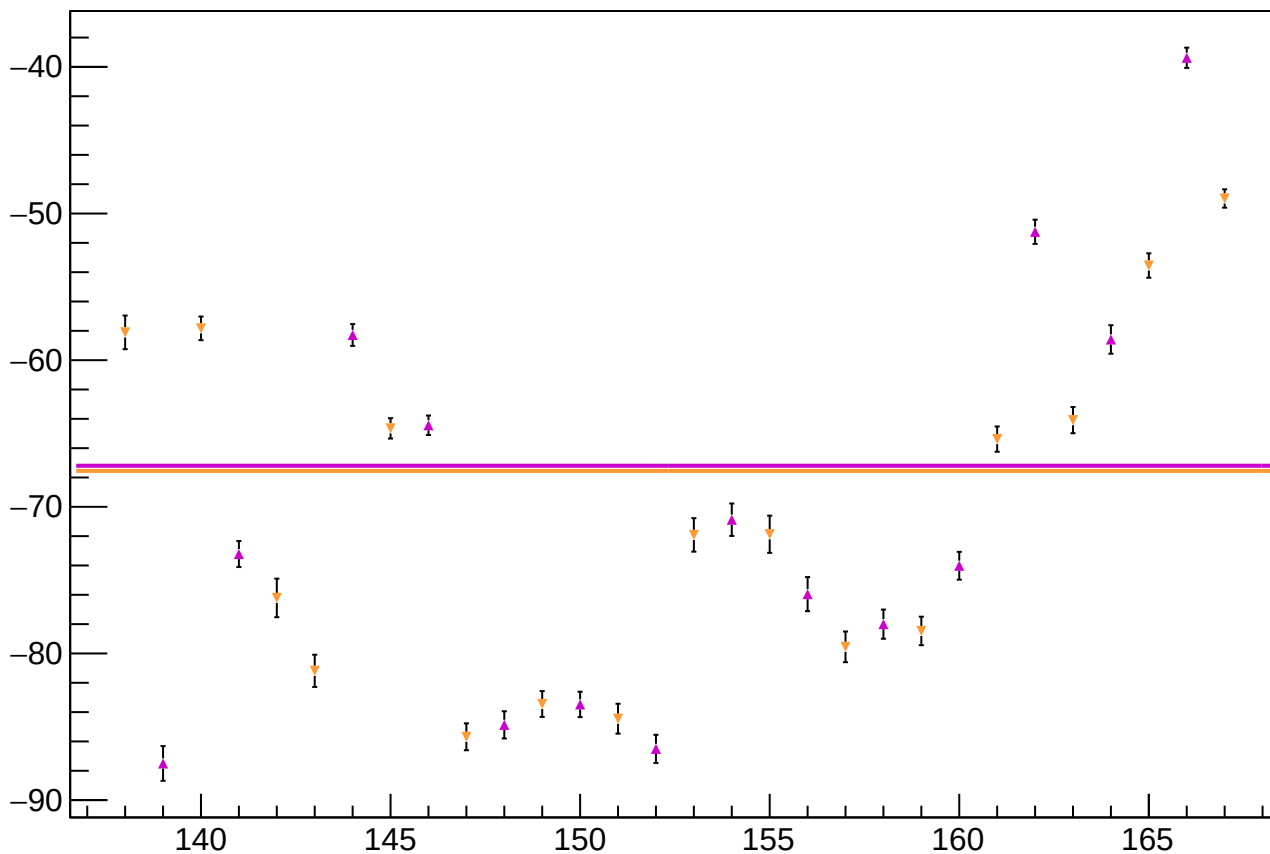
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -2.271+/-0.170 χ^2/NDF :1159.0/13

Left: -2.129+/-0.119 χ^2/NDF : 2384.6/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.271+/-0.170 χ^2/NDF :1159.0/13
 Out: -1.996+/-0.165 χ^2/NDF :1224.3/15
 All: -2.129+/-0.119 χ^2/NDF : 2384.6/29

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



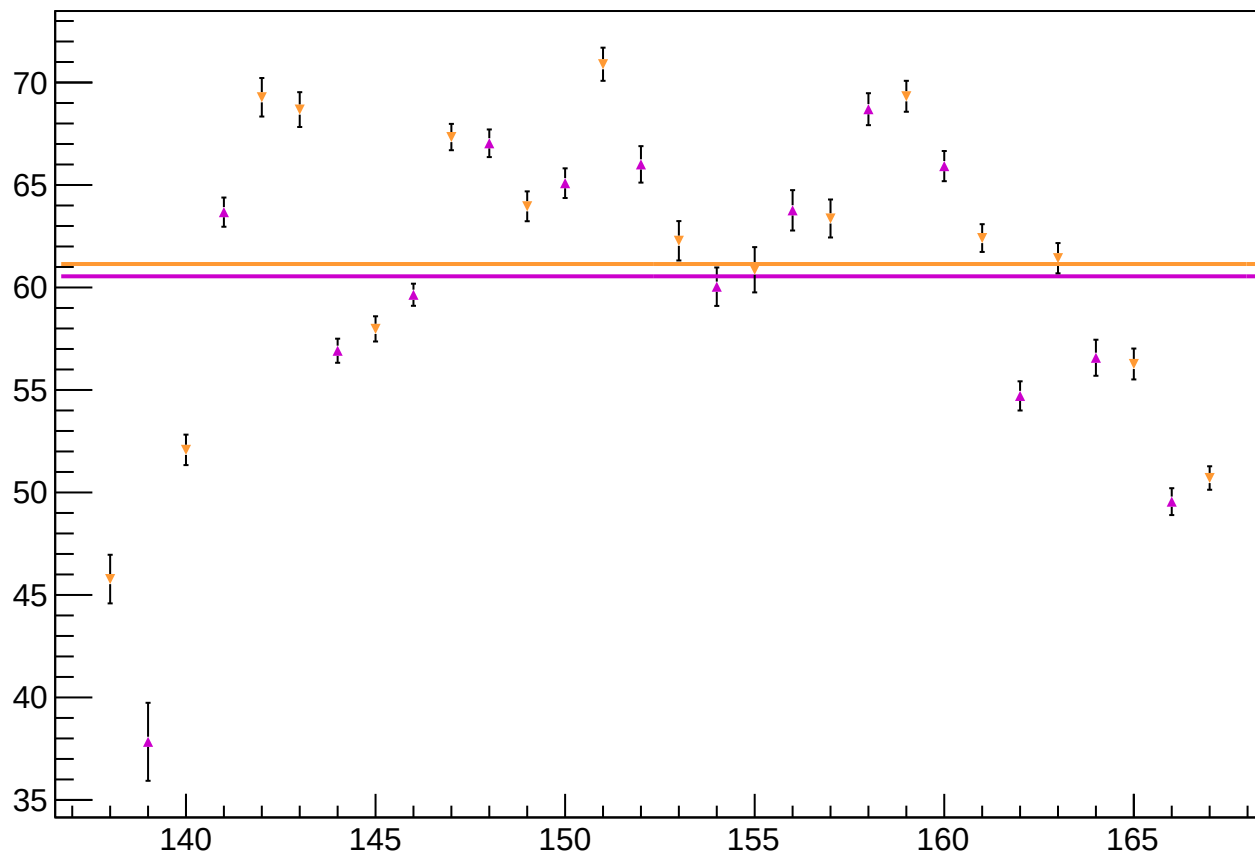
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -67.550+/-0.228 χ^2/NDF :2892.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -67.198+/-0.236 χ^2/NDF :3937.8/13

Left: -67.380+/-0.164 χ^2/NDF : 6831.3/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -67.198+/-0.236 χ^2/NDF :3937.8/13
 Out: -67.550+/-0.228 χ^2/NDF :2892.3/15

All: -67.380+/-0.164 χ^2/NDF : 6831.3/29

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: 60.545+/-0.199 χ^2/NDF :915.2/13

Left: 60.856+/-0.138 χ^2/NDF : 2172.5/29

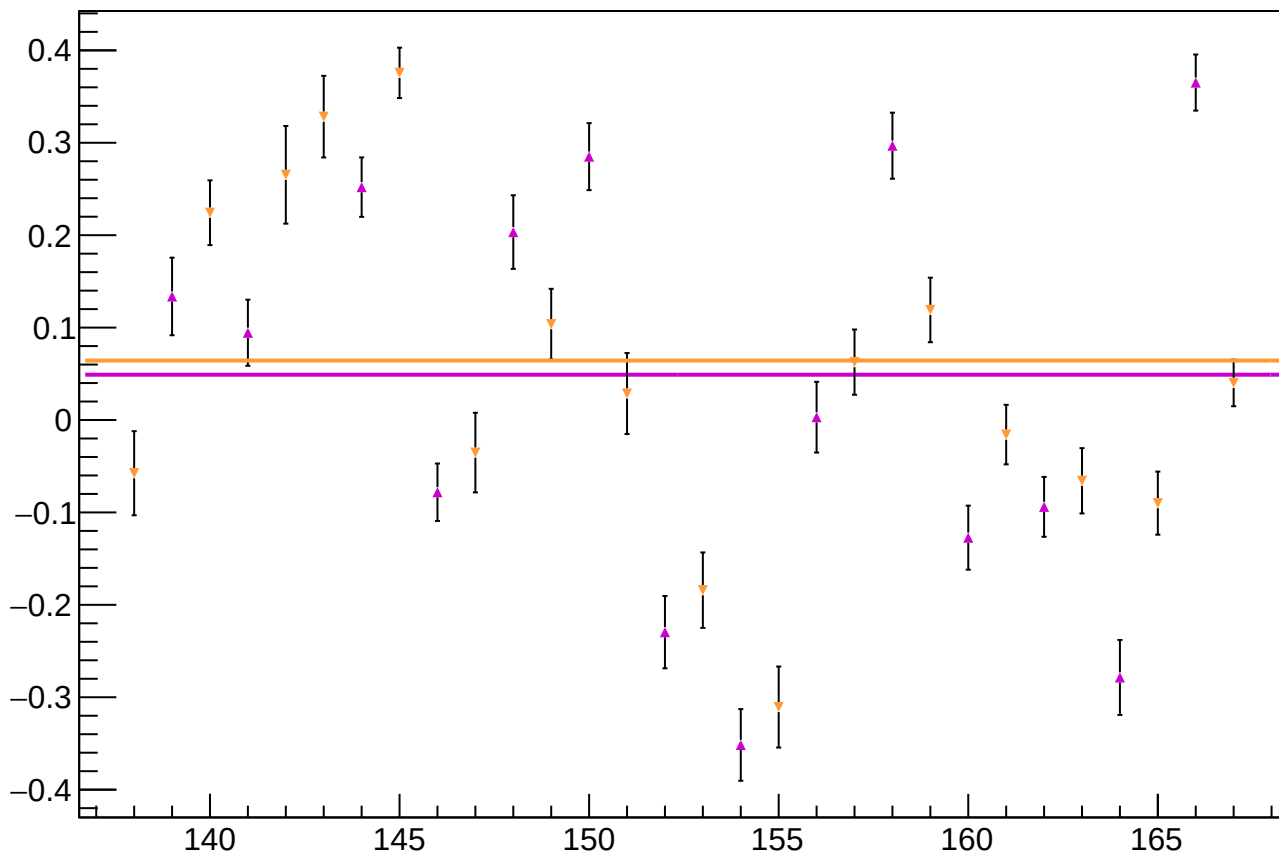
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.545+/-0.199 χ^2/NDF :915.2/13

Out: 61.145+/-0.192 χ^2/NDF :1252.6/15

All: 60.856+/-0.138 χ^2/NDF : 2172.5/29

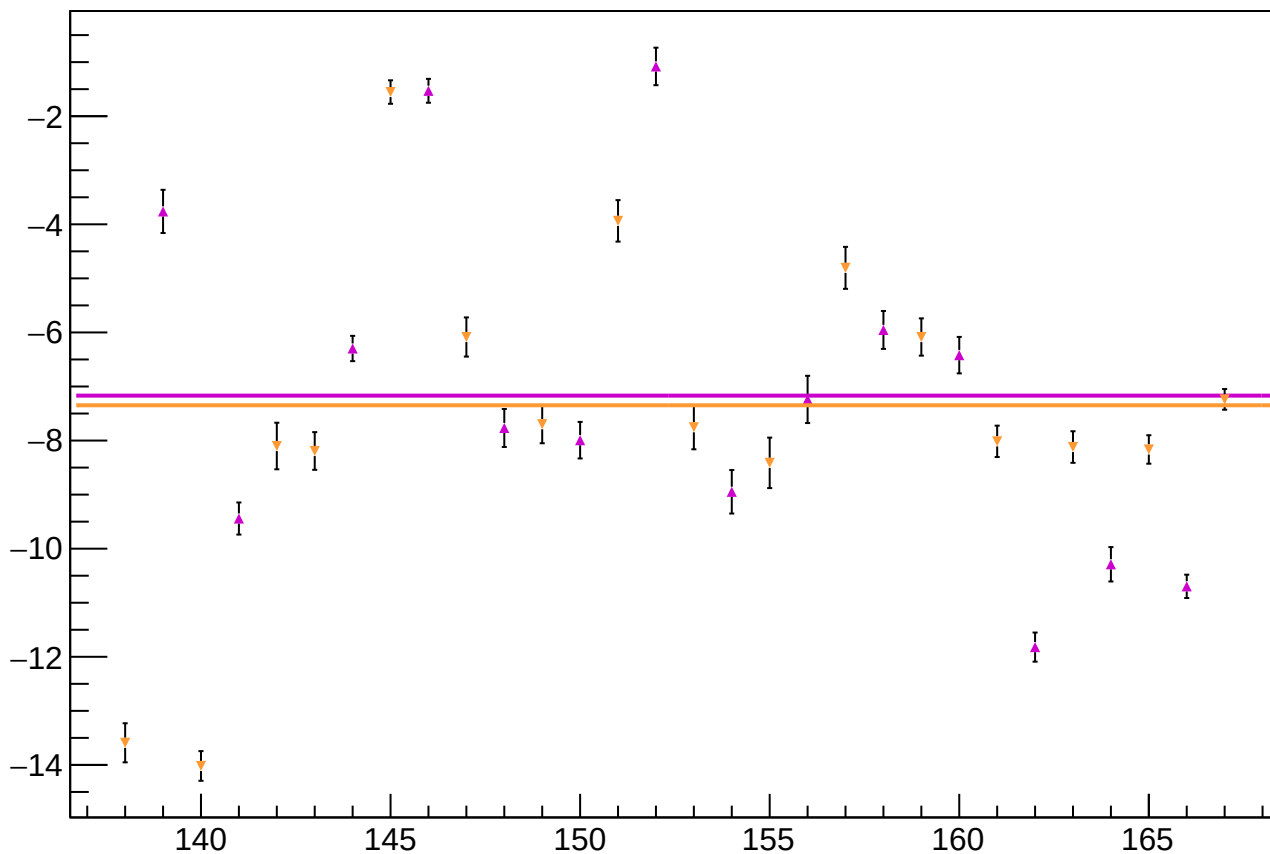
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.064 +/- 0.009 χ^2/NDF : 369.5/15
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: 0.049 +/- 0.010 χ^2/NDF : 545.3/13

Left: 0.057 +/- 0.007 χ^2/NDF : 916.1/29
 Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 In: 0.049 +/- 0.010 χ^2/NDF : 545.3/13
 Out: 0.064 +/- 0.009 χ^2/NDF : 369.5/15
 All: 0.057 +/- 0.007 χ^2/NDF : 916.1/29

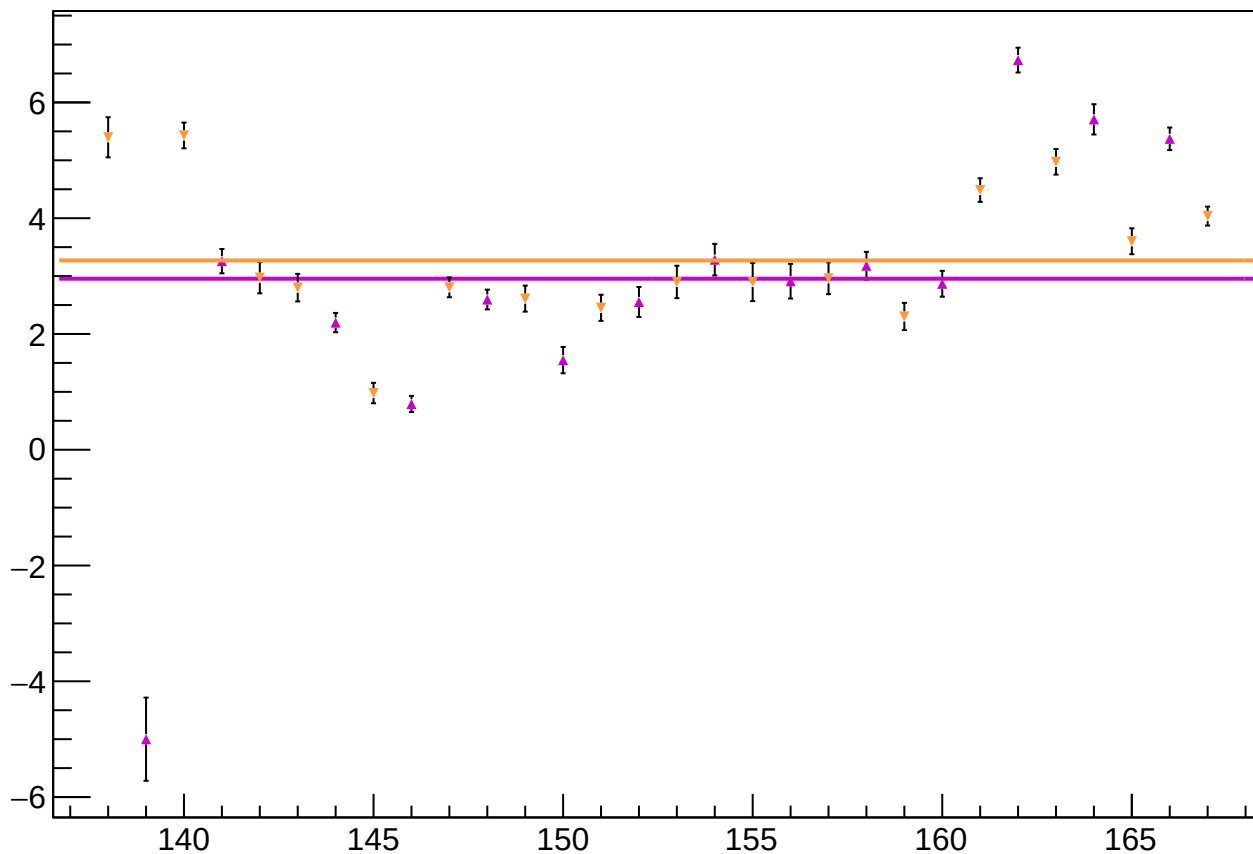
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.347 $\pm$ 0.077 χ^2 /NDF:1787.0/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.169 $\pm$ 0.080 χ^2 /NDF:1811.6/13

Left: -7.262 $\pm$ 0.056 χ^2 /NDF: 3601.2/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.169 $\pm$ 0.080 χ^2 /NDF:1811.6/13
 Out: -7.347 $\pm$ 0.077 χ^2 /NDF:1787.0/15
 All: -7.262 $\pm$ 0.056 χ^2 /NDF: 3601.2/29

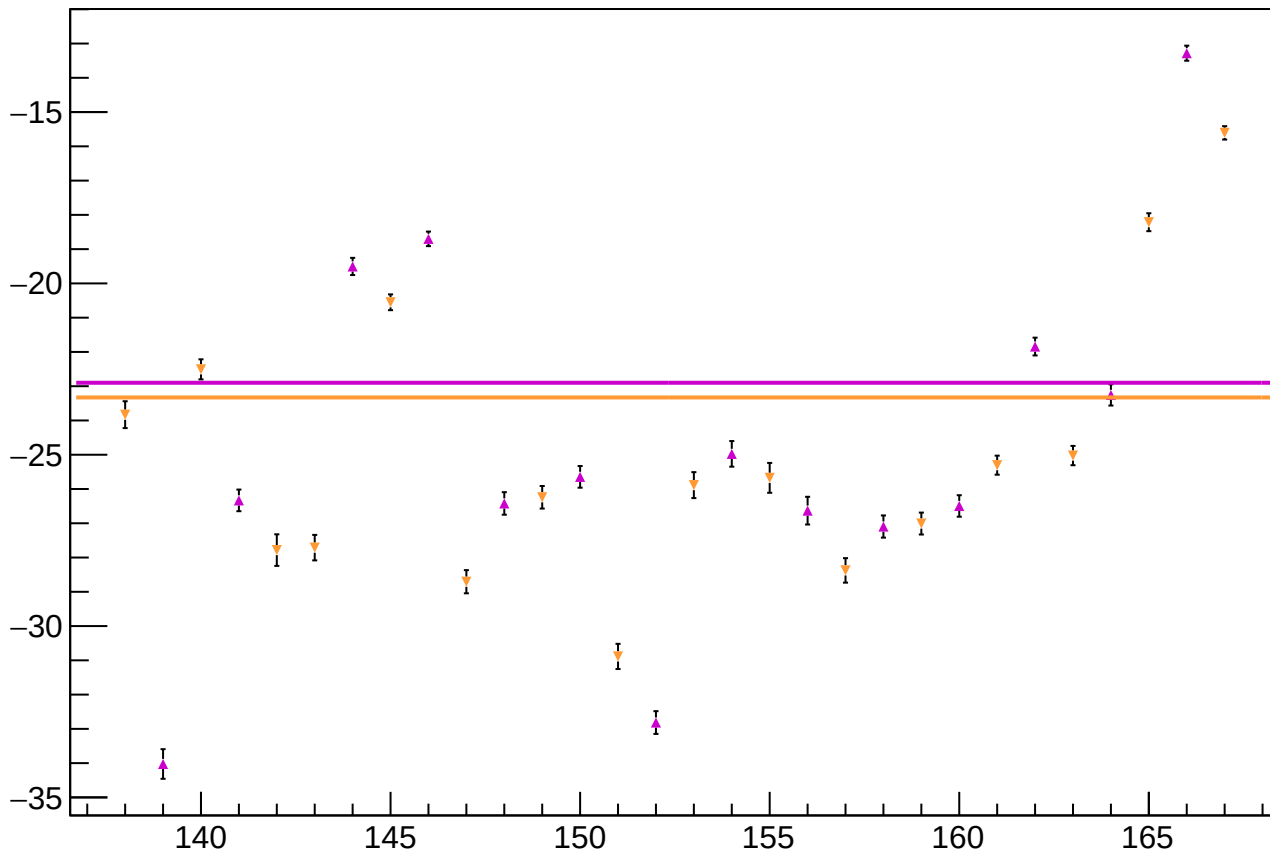
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.270+/-0.056 χ^2/NDF :475.3/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.955+/-0.057 χ^2/NDF :1008.3/13

Left: 3.116+/-0.040 χ^2/NDF : 1499.1/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.955+/-0.057 χ^2/NDF :1008.3/13
 Out: 3.270+/-0.056 χ^2/NDF :475.3/15
 All: 3.116+/-0.040 χ^2/NDF : 1499.1/29

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: -22.899+/-0.079 χ^2/NDF : 4784.2/13

Left: -23.120+/-0.055 χ^2/NDF : 8373.3/29

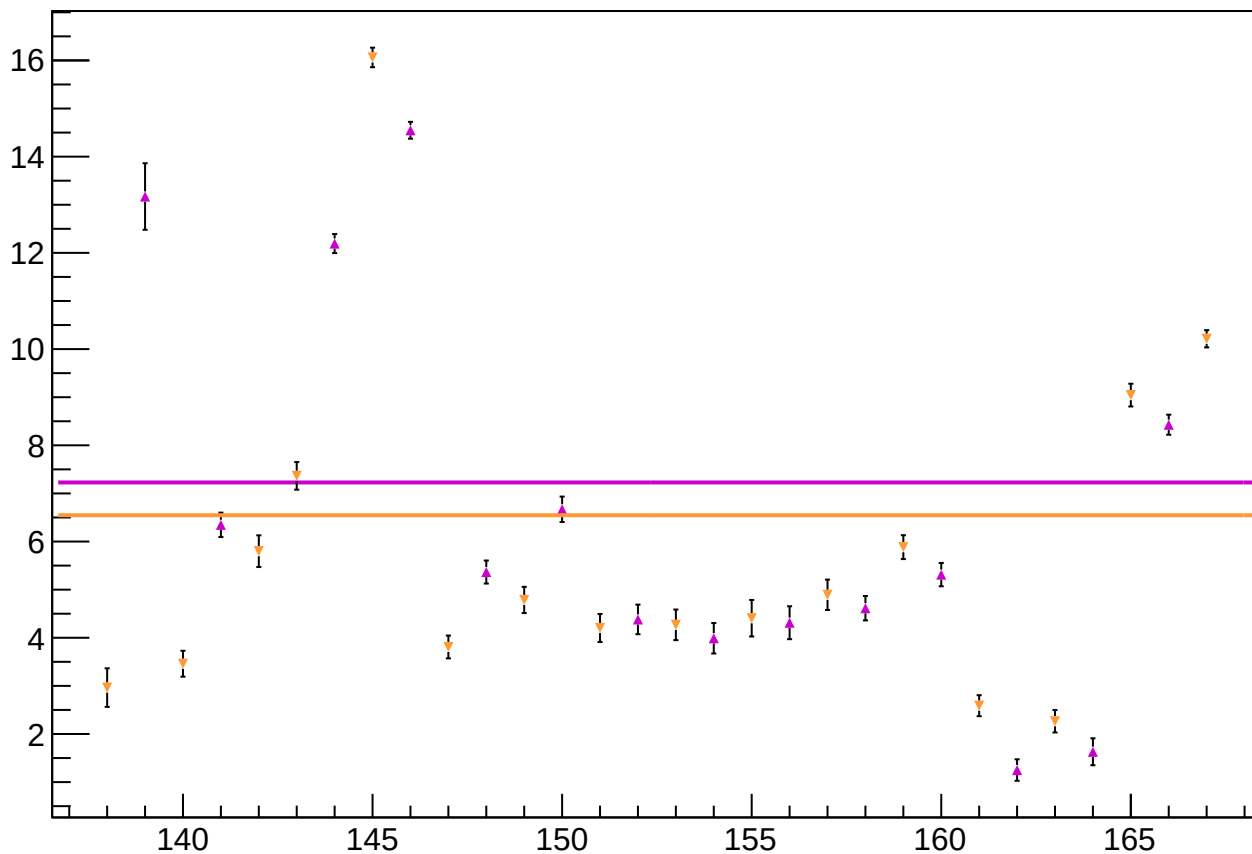
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -22.899+/-0.079 χ^2/NDF : 4784.2/13

Out: -23.328+/-0.077 χ^2/NDF : 3573.9/15

All: -23.120+/-0.055 χ^2/NDF : 8373.3/29

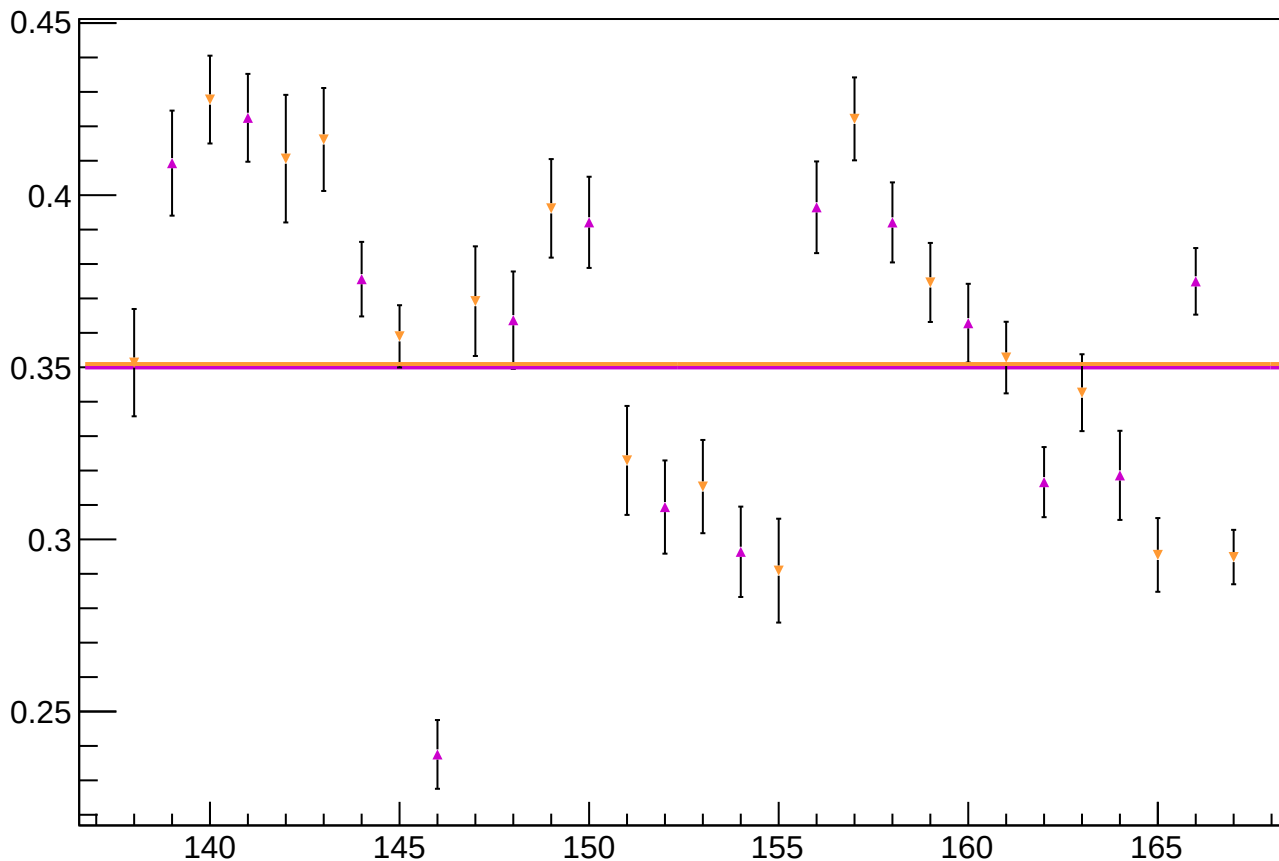
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 7.228+/-0.067 χ^2/NDF :4112.4/13

Left: 6.876+/-0.046 χ^2/NDF : 8139.1/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.228+/-0.067 χ^2/NDF :4112.4/13
 Out: 6.547+/-0.065 χ^2/NDF :3972.8/15
 All: 6.876+/-0.046 χ^2/NDF : 8139.1/29

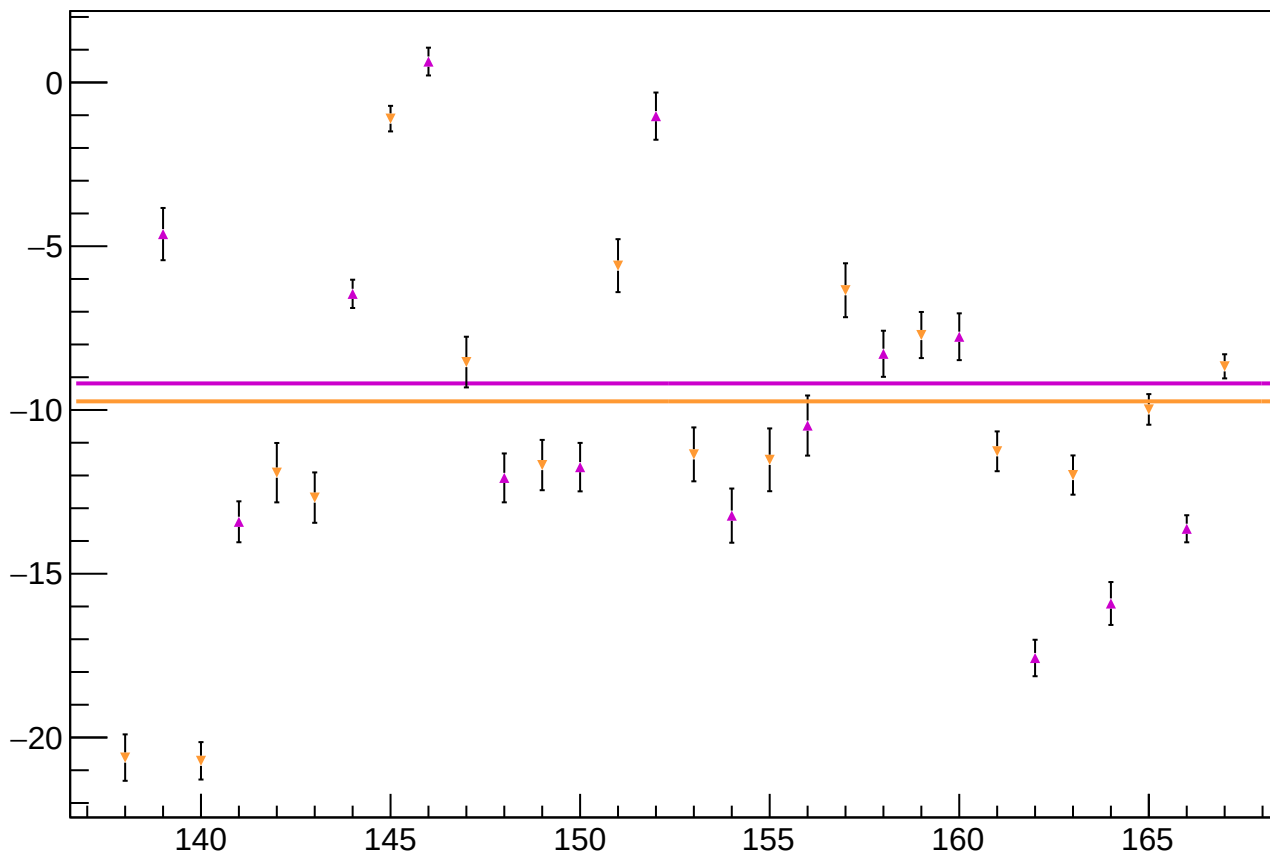
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.351+/-0.003 χ^2/NDF :220.6/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.350+/-0.003 χ^2/NDF :266.3/13

Left: 0.350+/-0.002 χ^2/NDF : 486.9/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.350+/-0.003 χ^2/NDF :266.3/13
 Out: 0.351+/-0.003 χ^2/NDF :220.6/15
 All: 0.350+/-0.002 χ^2/NDF : 486.9/29

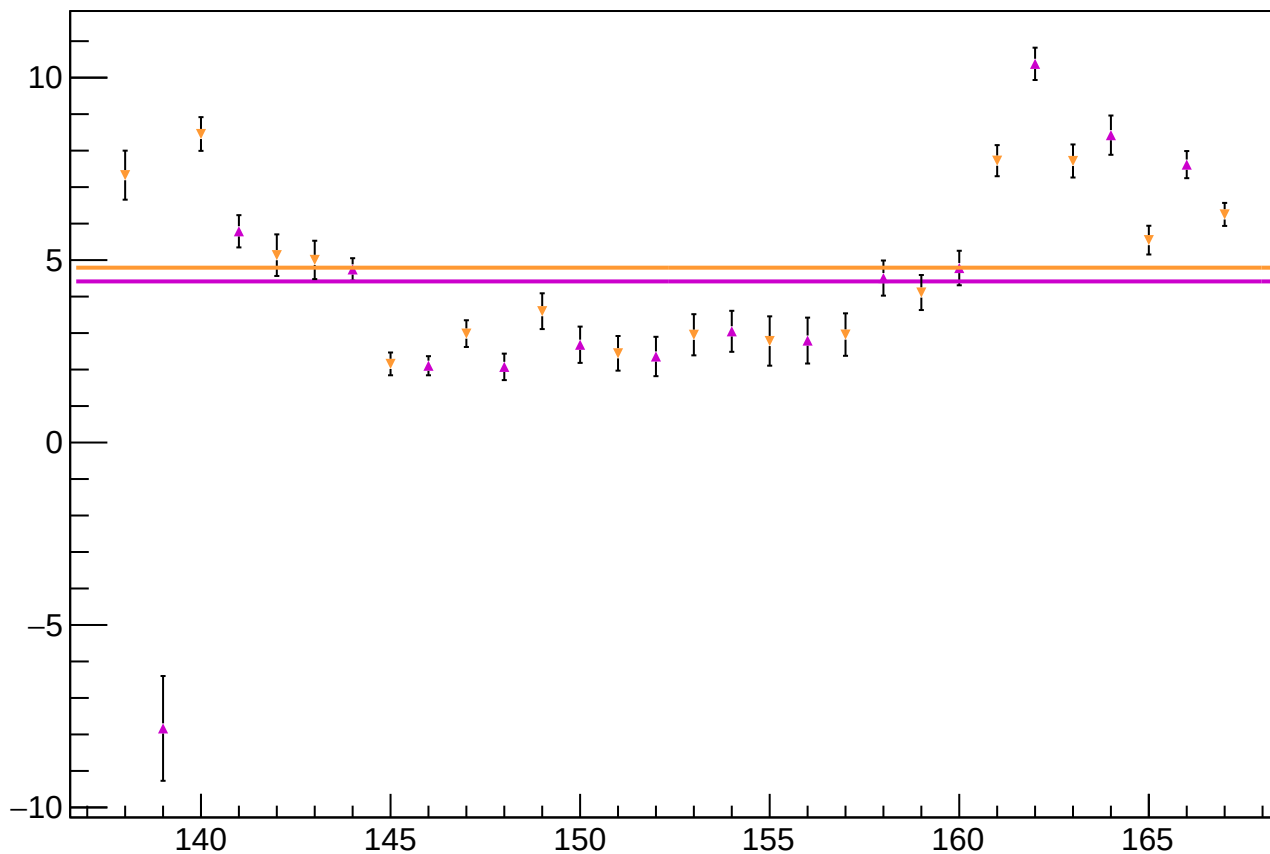
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -9.189+/-0.161 χ^2/NDF :1288.8/13

Left: -9.477+/-0.111 χ^2/NDF : 2506.3/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -9.189+/-0.161 χ^2/NDF :1288.8/13
 Out: -9.737+/-0.153 χ^2/NDF :1211.5/15
 All: -9.477+/-0.111 χ^2/NDF : 2506.3/29

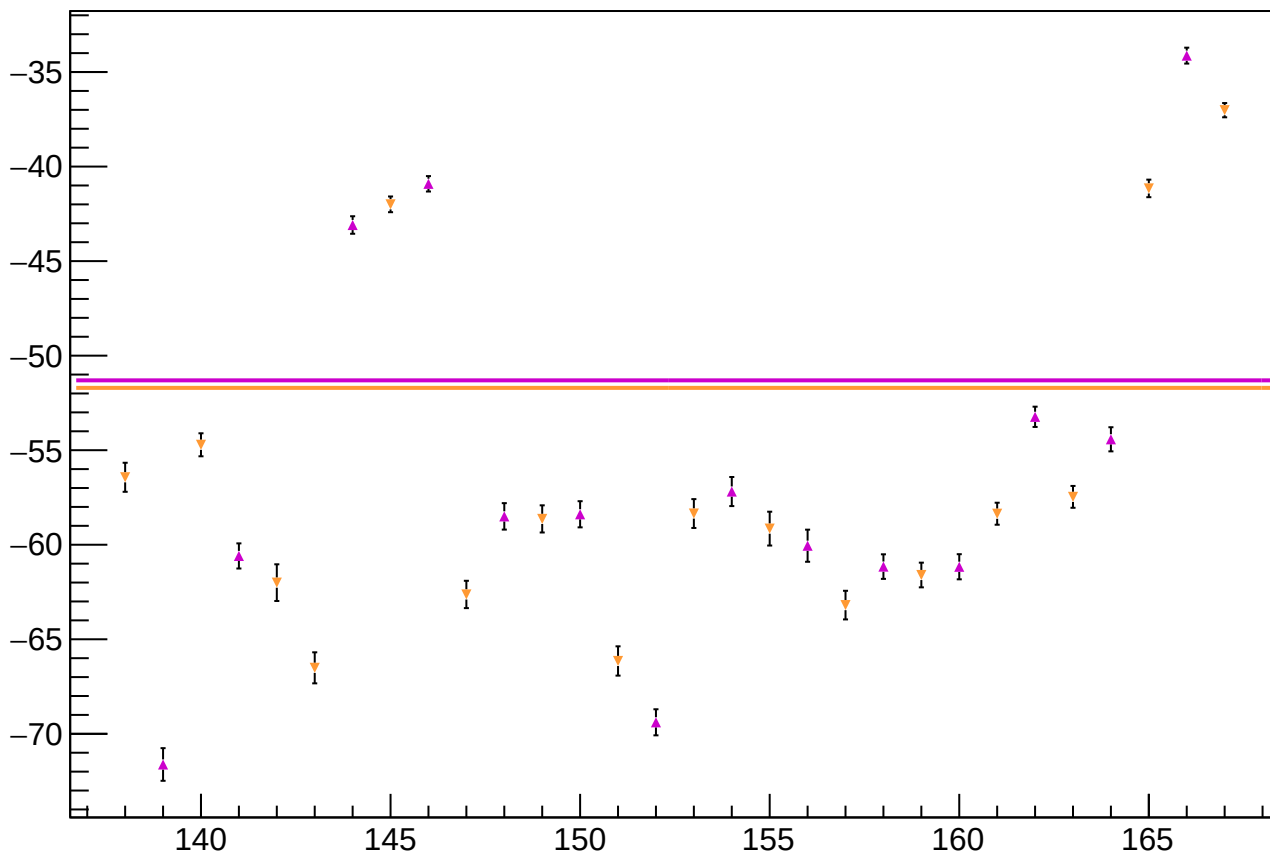
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 4.416 $\pm$ 0.115 χ^2 /NDF:553.7/13

Left: 4.608 $\pm$ 0.080 χ^2 /NDF: 908.3/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.416 $\pm$ 0.115 χ^2 /NDF:553.7/13
 Out: 4.792 $\pm$ 0.112 χ^2 /NDF:349.1/15
 All: 4.608 $\pm$ 0.080 χ^2 /NDF: 908.3/29

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: -51.306+/-0.158 χ^2/NDF : 4930.2/13

Left: -51.512+/-0.110 χ^2/NDF : 9516.3/29

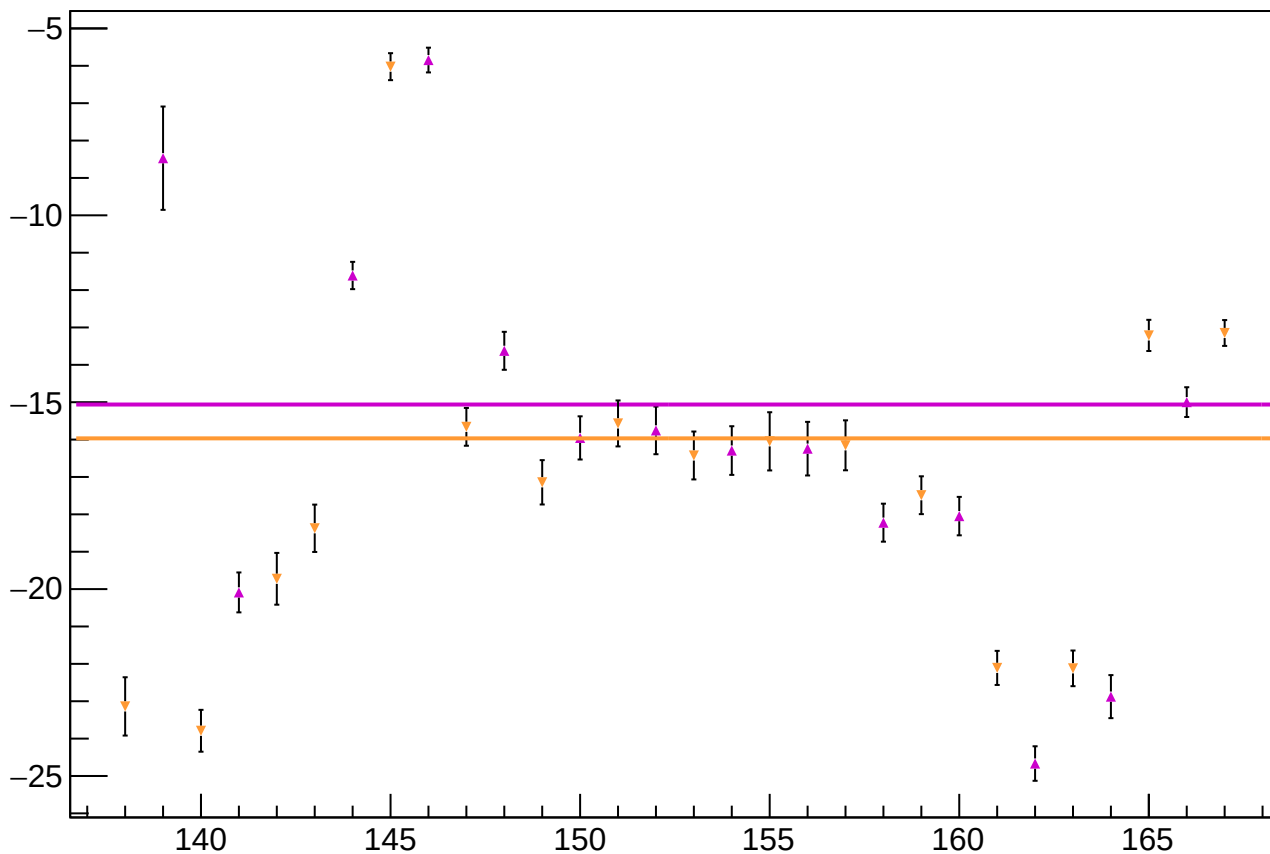
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -51.306+/-0.158 χ^2/NDF : 4930.2/13

Out: -51.704+/-0.153 χ^2/NDF : 4582.8/15

All: -51.512+/-0.110 χ^2/NDF : 9516.3/29

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



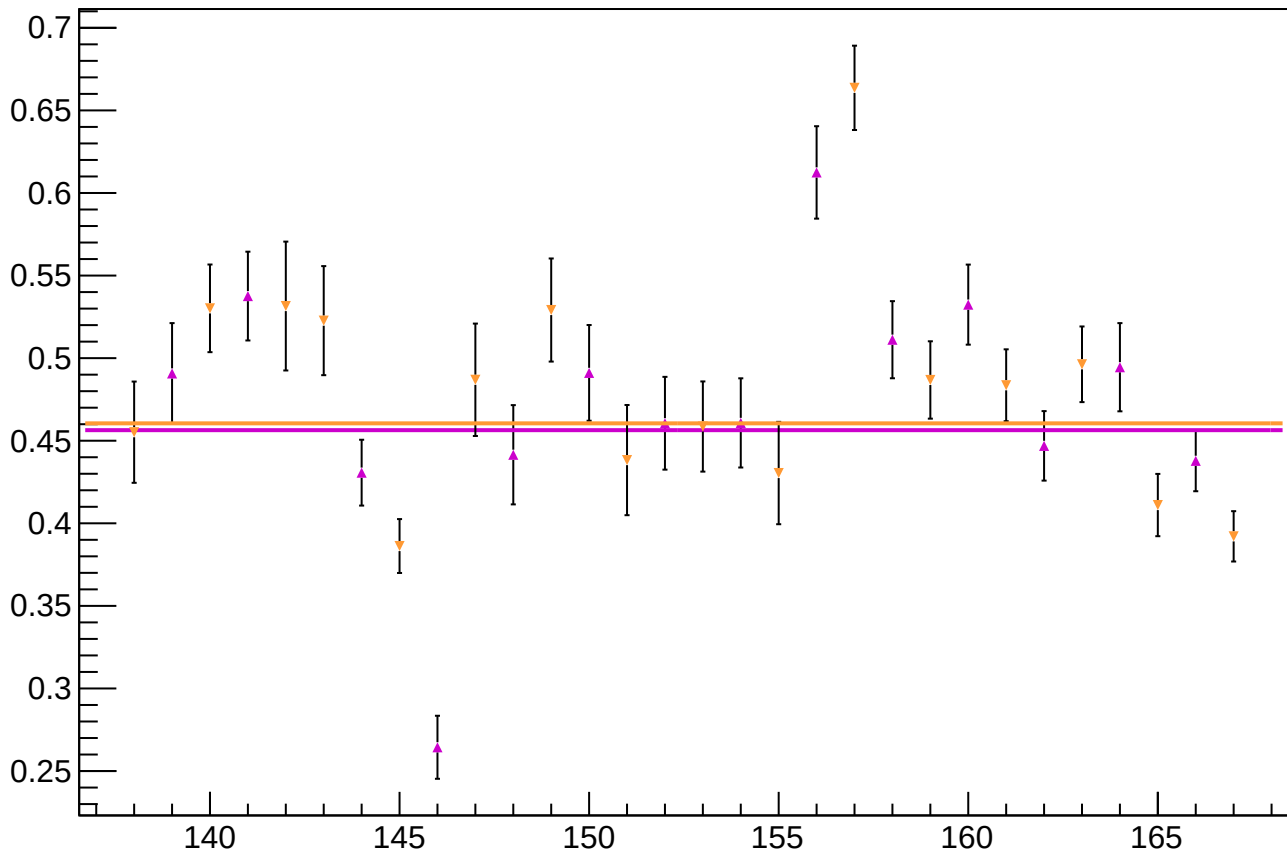
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -15.967+/-0.129 χ^2/NDF :1555.2/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -15.062+/-0.134 χ^2/NDF :1682.3/13

Left: -15.531+/-0.093 χ^2/NDF : 3261.2/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.062+/-0.134 χ^2/NDF :1682.3/13
 Out: -15.967+/-0.129 χ^2/NDF :1555.2/15

All: -15.531+/-0.093 χ^2/NDF : 3261.2/29

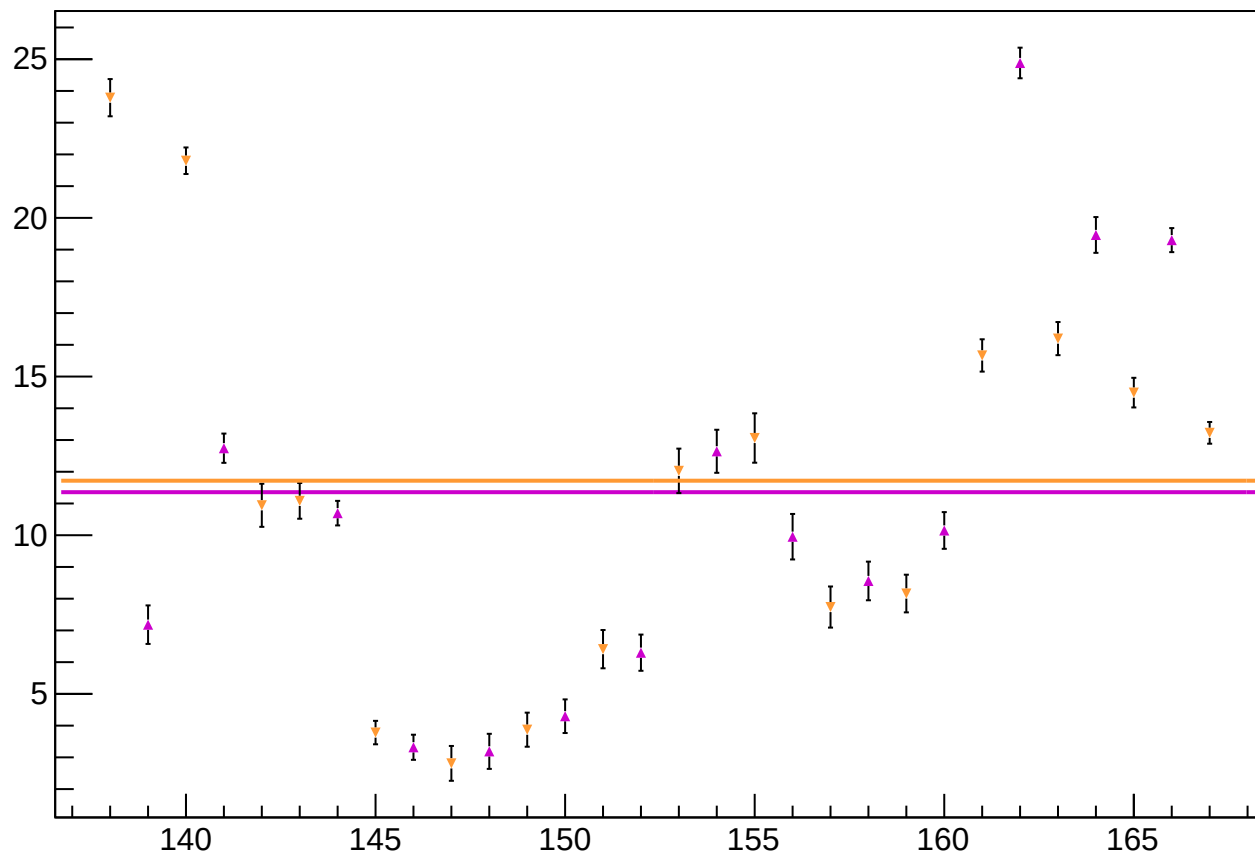
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.456 $\pm$ 0.006 χ^2 /NDF:164.7/13

Left: 0.459 $\pm$ 0.004 χ^2 /NDF: 301.4/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.456 $\pm$ 0.006 χ^2 /NDF:164.7/13
 Out: 0.461 $\pm$ 0.006 χ^2 /NDF:136.5/15
 All: 0.459 $\pm$ 0.004 χ^2 /NDF: 301.4/29

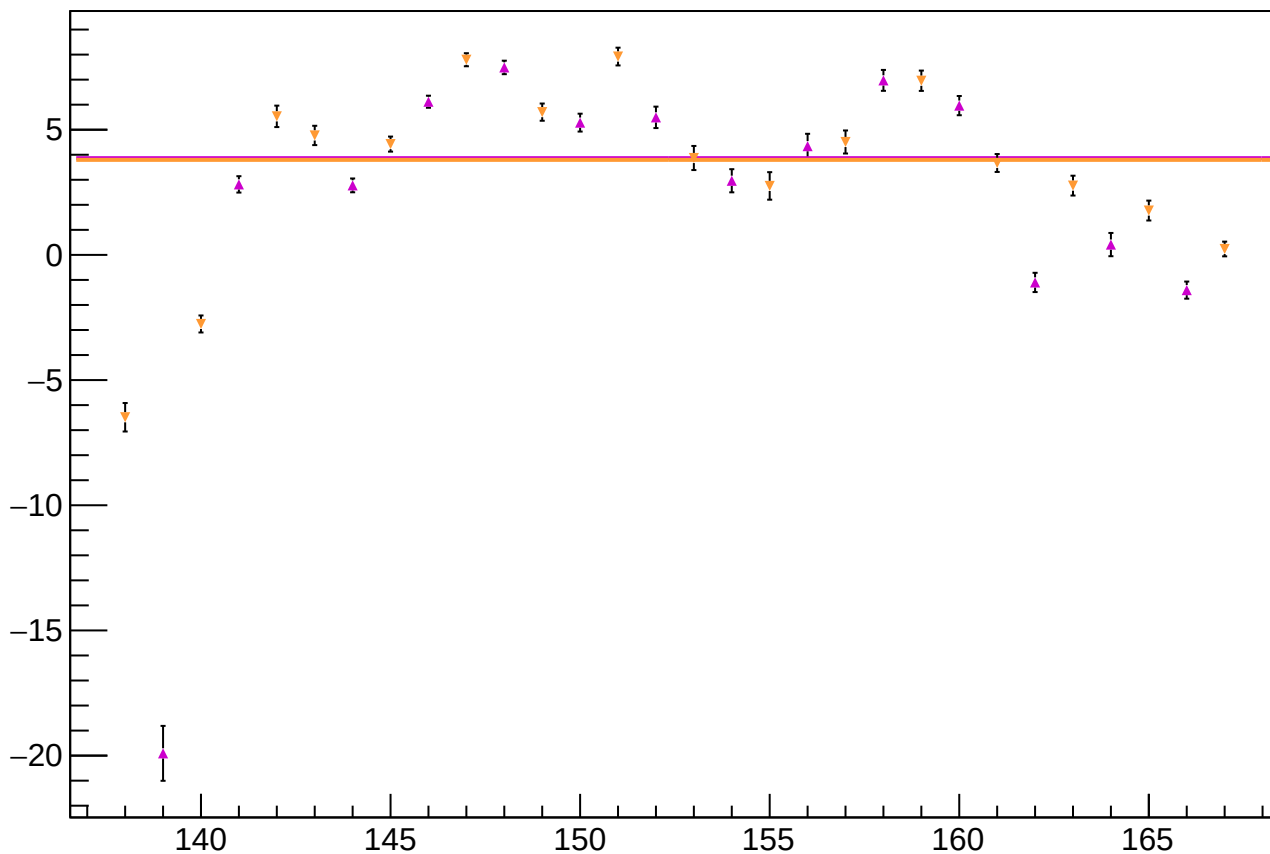
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 11.718 $\pm$ 0.129 χ^2 /NDF:2287.9/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 11.356 $\pm$ 0.135 χ^2 /NDF:2412.6/13

Left: 11.546 $\pm$ 0.093 χ^2 /NDF: 4704.2/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 11.356 $\pm$ 0.135 χ^2 /NDF:2412.6/13
 Out: 11.718 $\pm$ 0.129 χ^2 /NDF:2287.9/15
 All: 11.546 $\pm$ 0.093 χ^2 /NDF: 4704.2/29

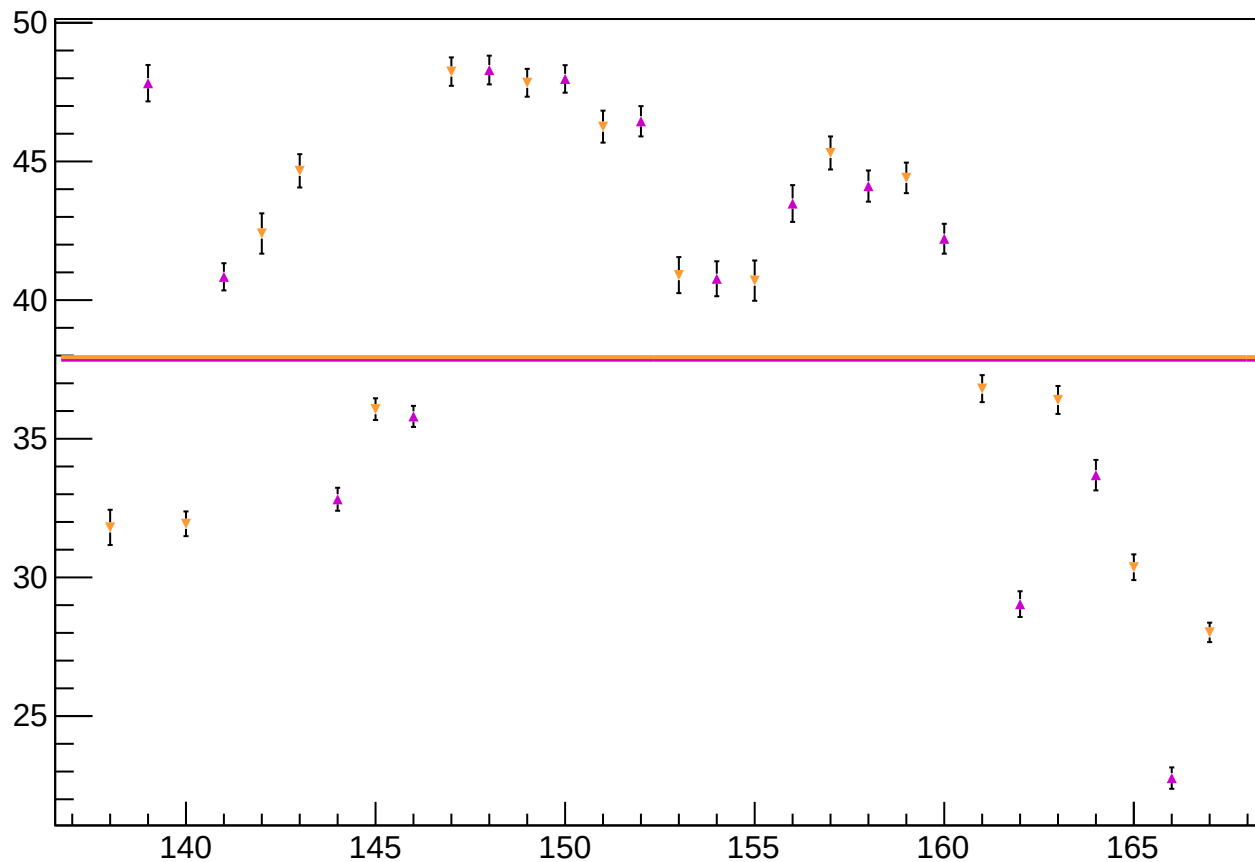
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.796 $\pm$ 0.093 χ^2 /NDF:1373.6/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.864 $\pm$ 0.096 χ^2 /NDF:1343.5/13

Left: 3.829 $\pm$ 0.067 χ^2 /NDF: 2717.3/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.864 $\pm$ 0.096 χ^2 /NDF:1343.5/13
 Out: 3.796 $\pm$ 0.093 χ^2 /NDF:1373.6/15
 All: 3.829 $\pm$ 0.067 χ^2 /NDF: 2717.3/29

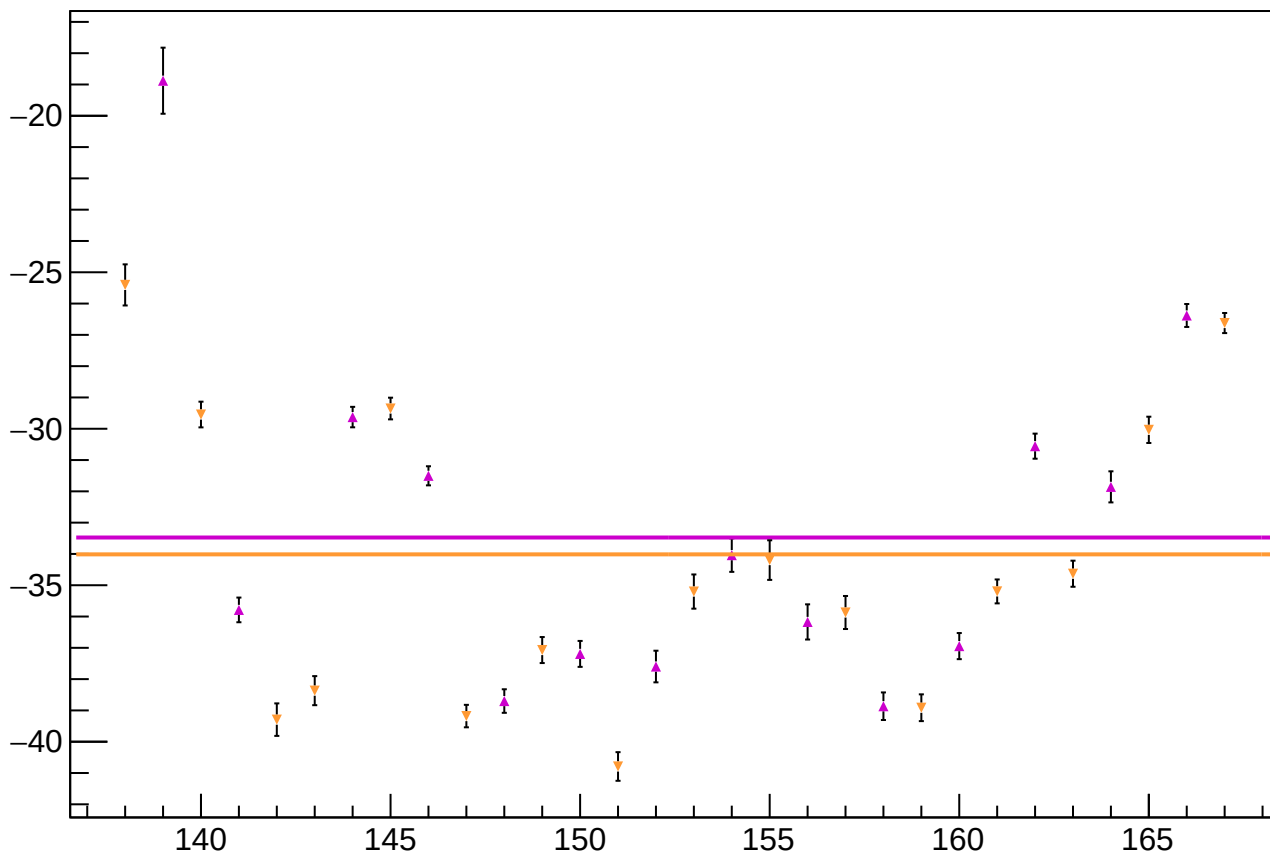
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 37.944+/-0.128 χ^2/NDF :2870.0/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 37.852+/-0.133 χ^2/NDF :3746.2/13

Left: 37.900+/-0.092 χ^2/NDF : 6616.5/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 37.852+/-0.133 χ^2/NDF :3746.2/13
 Out: 37.944+/-0.128 χ^2/NDF :2870.0/15
 All: 37.900+/-0.092 χ^2/NDF : 6616.5/29

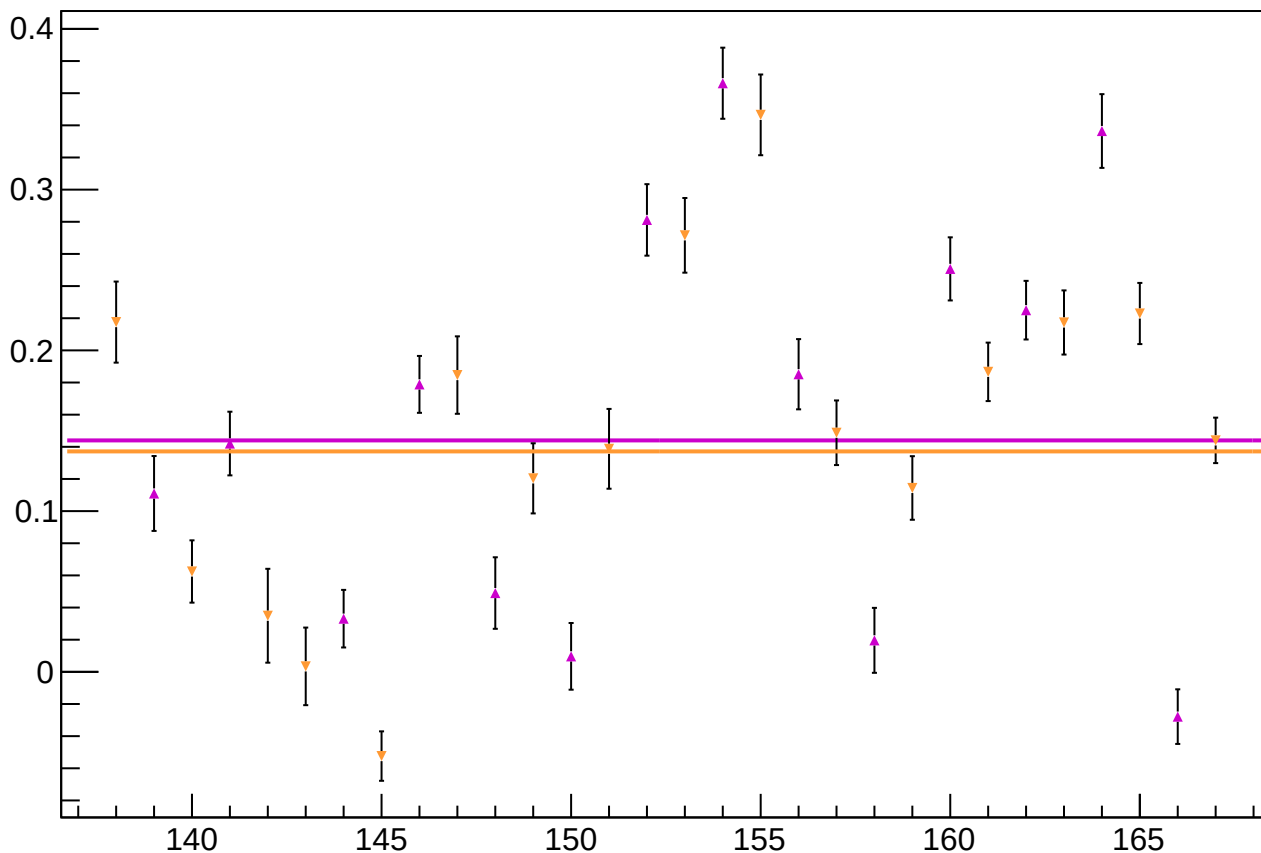
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -33.475+/-0.112 χ^2/NDF :1426.9/13

Left: -33.755+/-0.078 χ^2/NDF : 3361.8/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -33.475+/-0.112 χ^2/NDF :1426.9/13
 Out: -34.014+/-0.108 χ^2/NDF :1922.9/15
 All: -33.755+/-0.078 χ^2/NDF : 3361.8/29

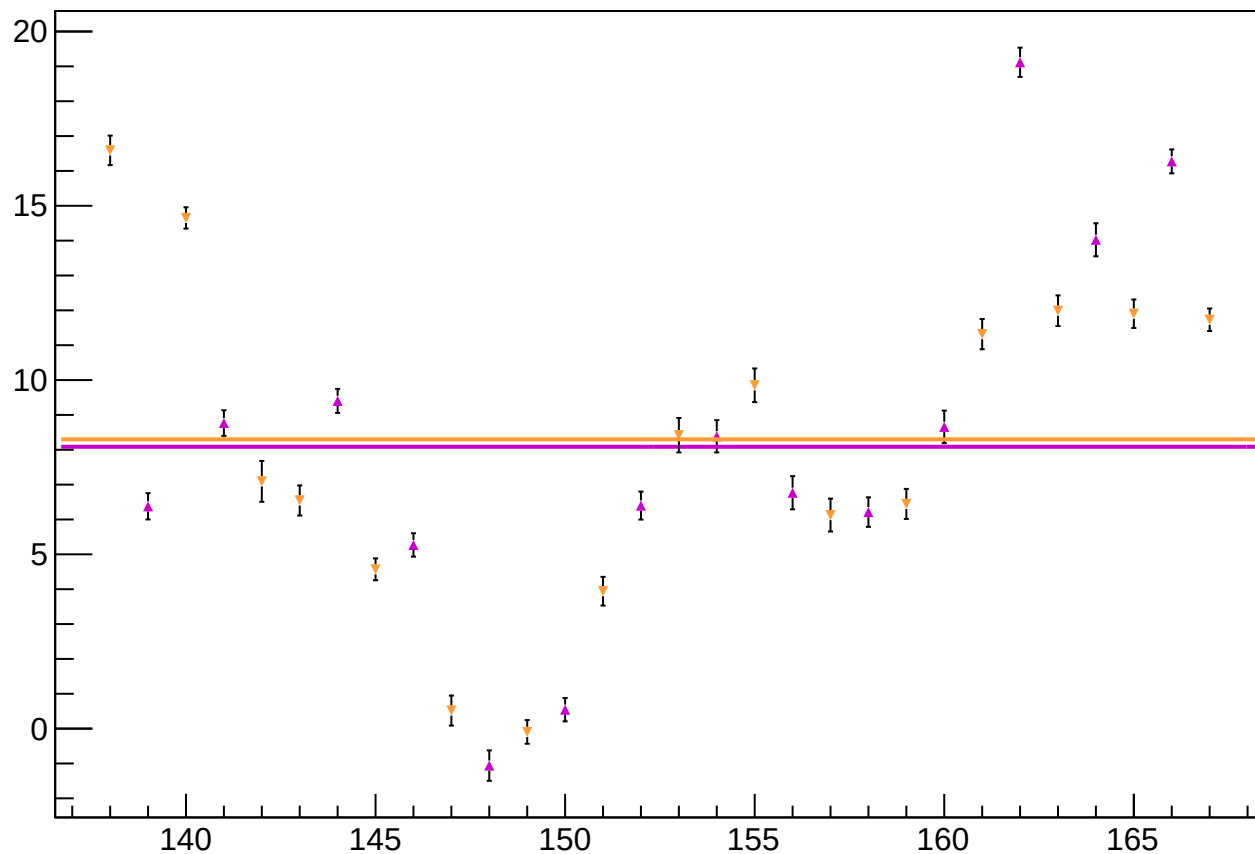
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.144 $\pm$ 0.005 χ^2 /NDF:506.8/13

Left: 0.140 $\pm$ 0.004 χ^2 /NDF: 880.8/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.144 $\pm$ 0.005 χ^2 /NDF:506.8/13
 Out: 0.137 $\pm$ 0.005 χ^2 /NDF:373.1/15
 All: 0.140 $\pm$ 0.004 χ^2 /NDF: 880.8/29

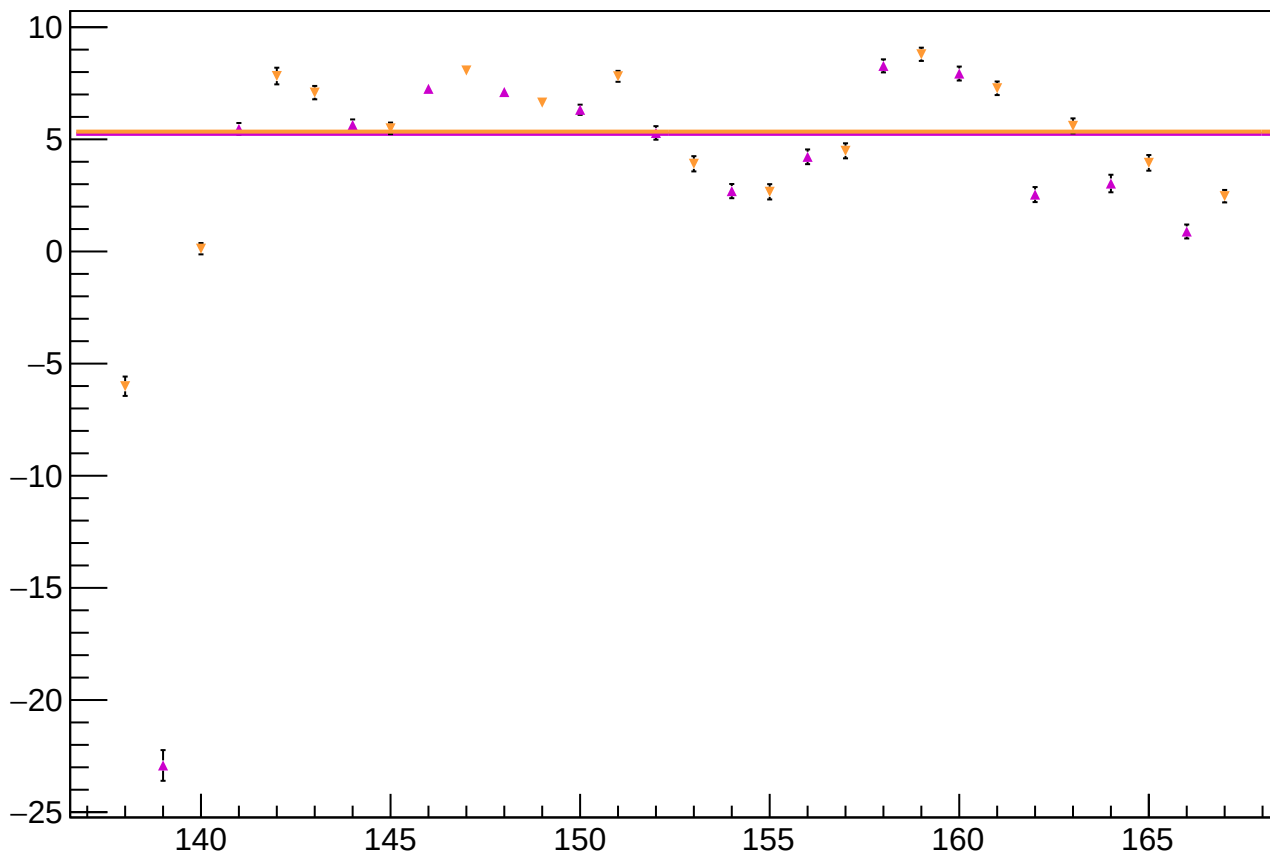
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 8.086+/-0.105 χ^2/NDF :2519.8/13

Left: 8.198+/-0.073 χ^2/NDF : 4910.3/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.086+/-0.105 χ^2/NDF :2519.8/13
 Out: 8.299+/-0.100 χ^2/NDF :2388.4/15
 All: 8.198+/-0.073 χ^2/NDF : 4910.3/29

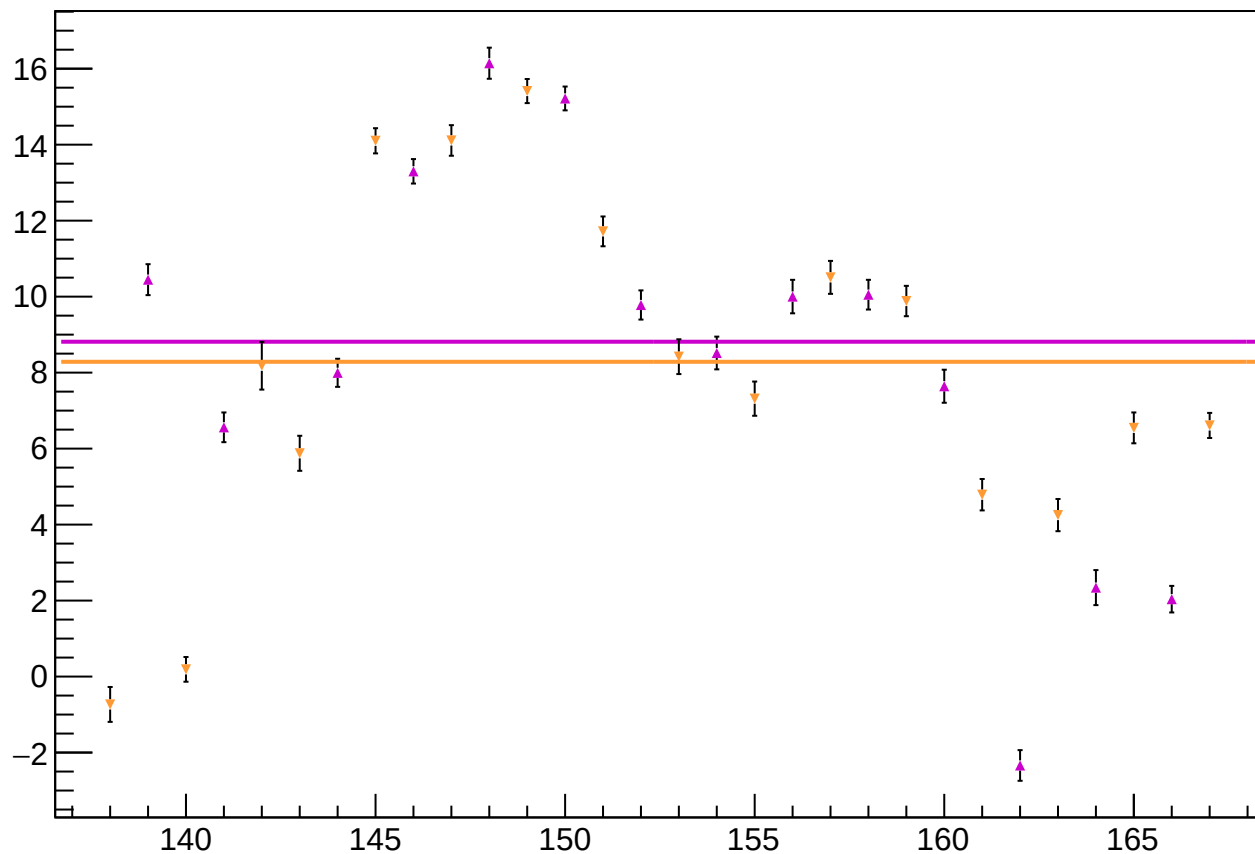
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 5.244 $\pm$ 0.076 χ^2 /NDF:2433.2/13

Left: 5.297 $\pm$ 0.052 χ^2 /NDF: 4328.2/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.244 $\pm$ 0.076 χ^2 /NDF:2433.2/13
 Out: 5.344 $\pm$ 0.072 χ^2 /NDF:1894.0/15
 All: 5.297 $\pm$ 0.052 χ^2 /NDF: 4328.2/29

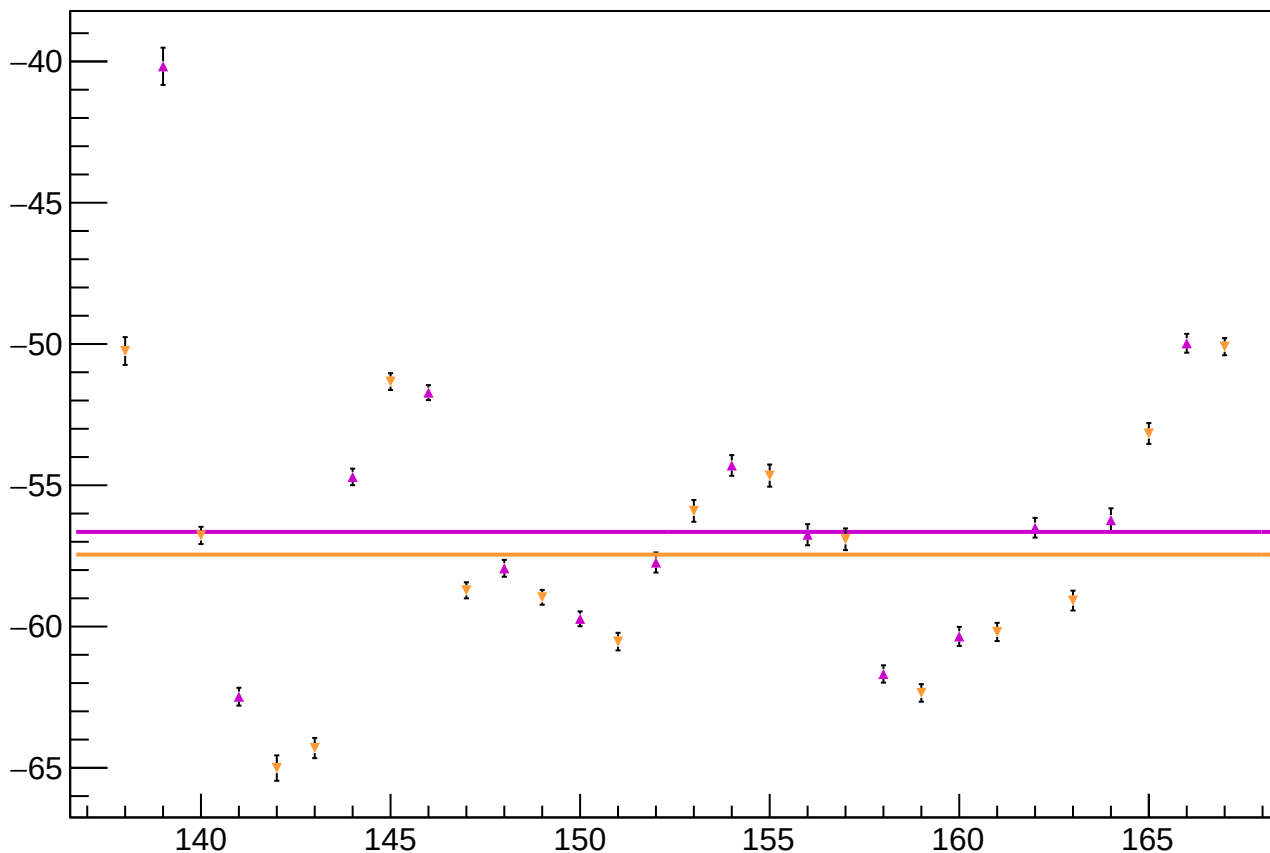
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 8.813+/-0.103 χ^2/NDF :2353.2/13

Left: 8.539+/-0.072 χ^2/NDF : 4750.5/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.813+/-0.103 χ^2/NDF :2353.2/13
 Out: 8.285+/-0.099 χ^2/NDF :2383.7/15
 All: 8.539+/-0.072 χ^2/NDF : 4750.5/29

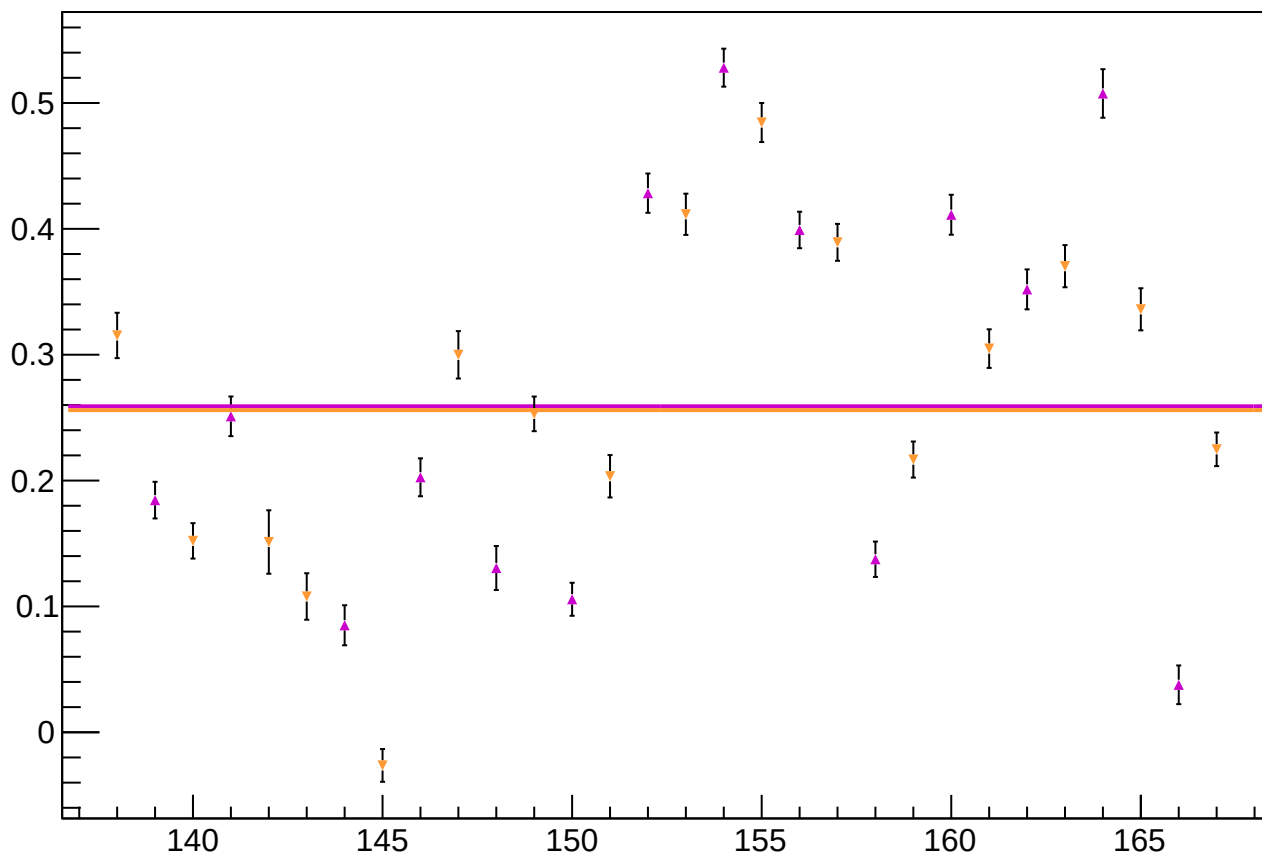
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -57.453+/-0.084 χ^2/NDF :2577.2/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -56.650+/-0.088 χ^2/NDF :2352.9/13

Left: -57.072+/-0.061 χ^2/NDF : 4973.6/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -56.650+/-0.088 χ^2/NDF :2352.9/13
 Out: -57.453+/-0.084 χ^2/NDF :2577.2/15
 All: -57.072+/-0.061 χ^2/NDF : 4973.6/29

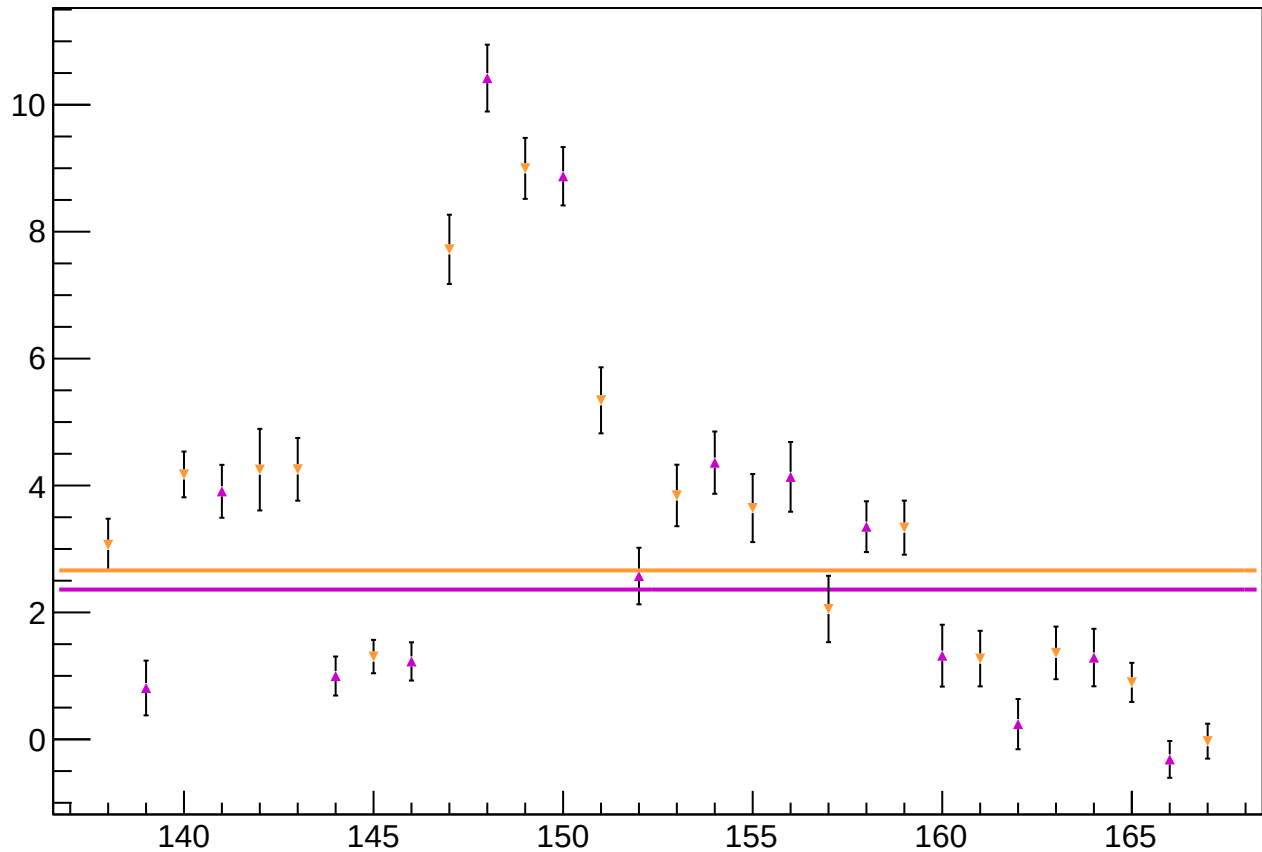
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.259+/-0.004 χ^2/NDF :1453.5/13

Left: 0.257+/-0.003 χ^2/NDF : 2569.1/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.259+/-0.004 χ^2/NDF :1453.5/13
 Out: 0.256+/-0.004 χ^2/NDF :1115.3/15
 All: 0.257+/-0.003 χ^2/NDF : 2569.1/29

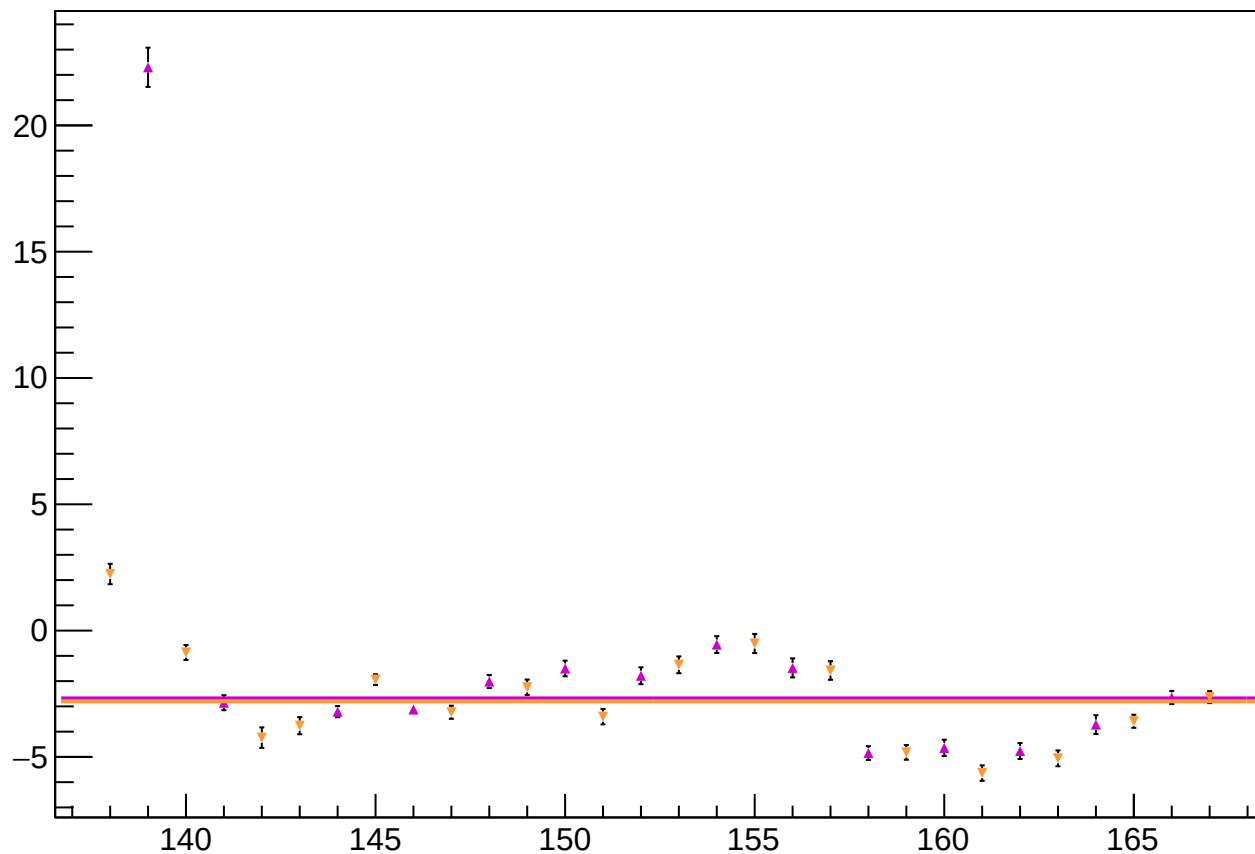
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 2.361+/-0.107 χ^2/NDF : 652.7/13

Left: 2.520+/-0.074 χ^2/NDF : 1166.1/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.361+/-0.107 χ^2/NDF : 652.7/13
 Out: 2.662+/-0.101 χ^2/NDF : 509.2/15
 All: 2.520+/-0.074 χ^2/NDF : 1166.1/29

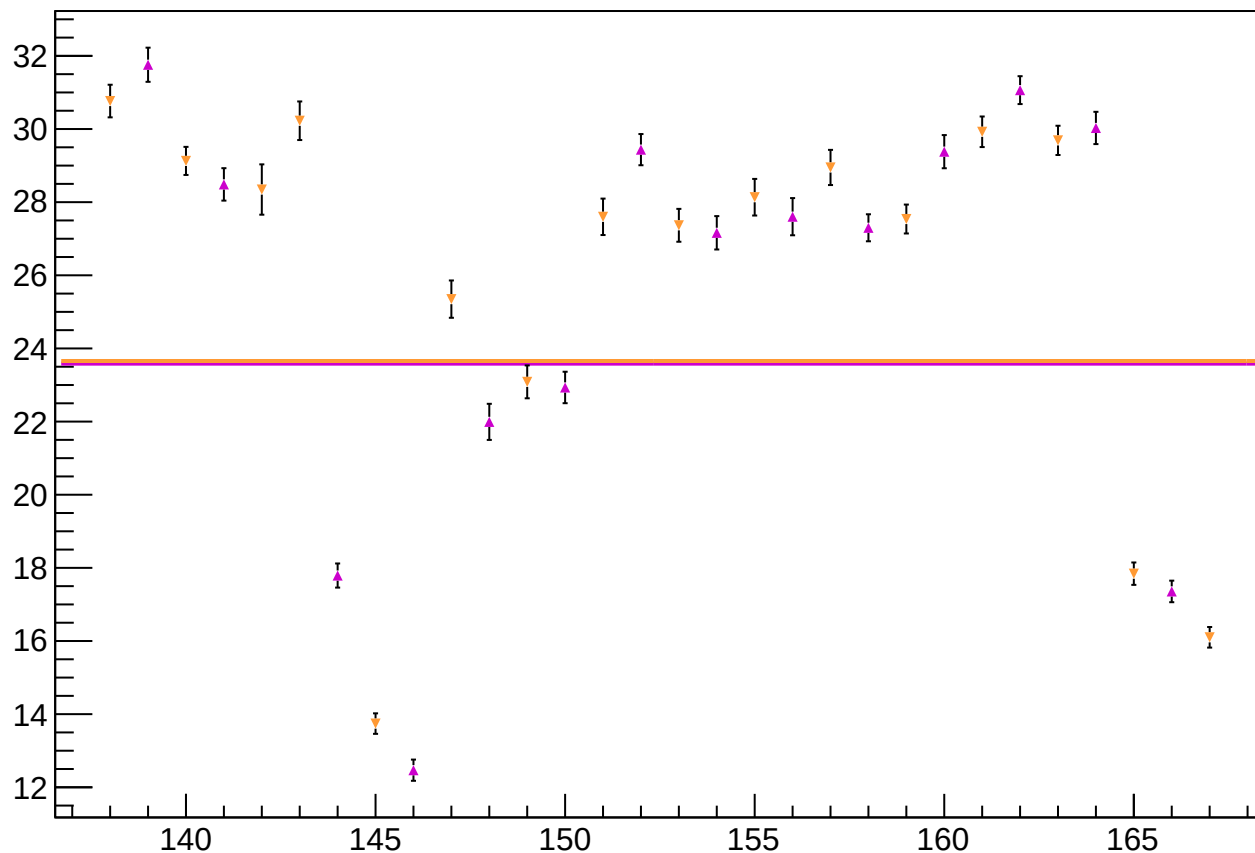
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -2.685 $\pm$ 0.078 χ^2 /NDF:1274.0/13

Left: -2.743 $\pm$ 0.054 χ^2 /NDF: 1782.9/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -2.685 $\pm$ 0.078 χ^2 /NDF:1274.0/13
 Out: -2.797 $\pm$ 0.075 χ^2 /NDF:507.8/15
 All: -2.743 $\pm$ 0.054 χ^2 /NDF: 1782.9/29

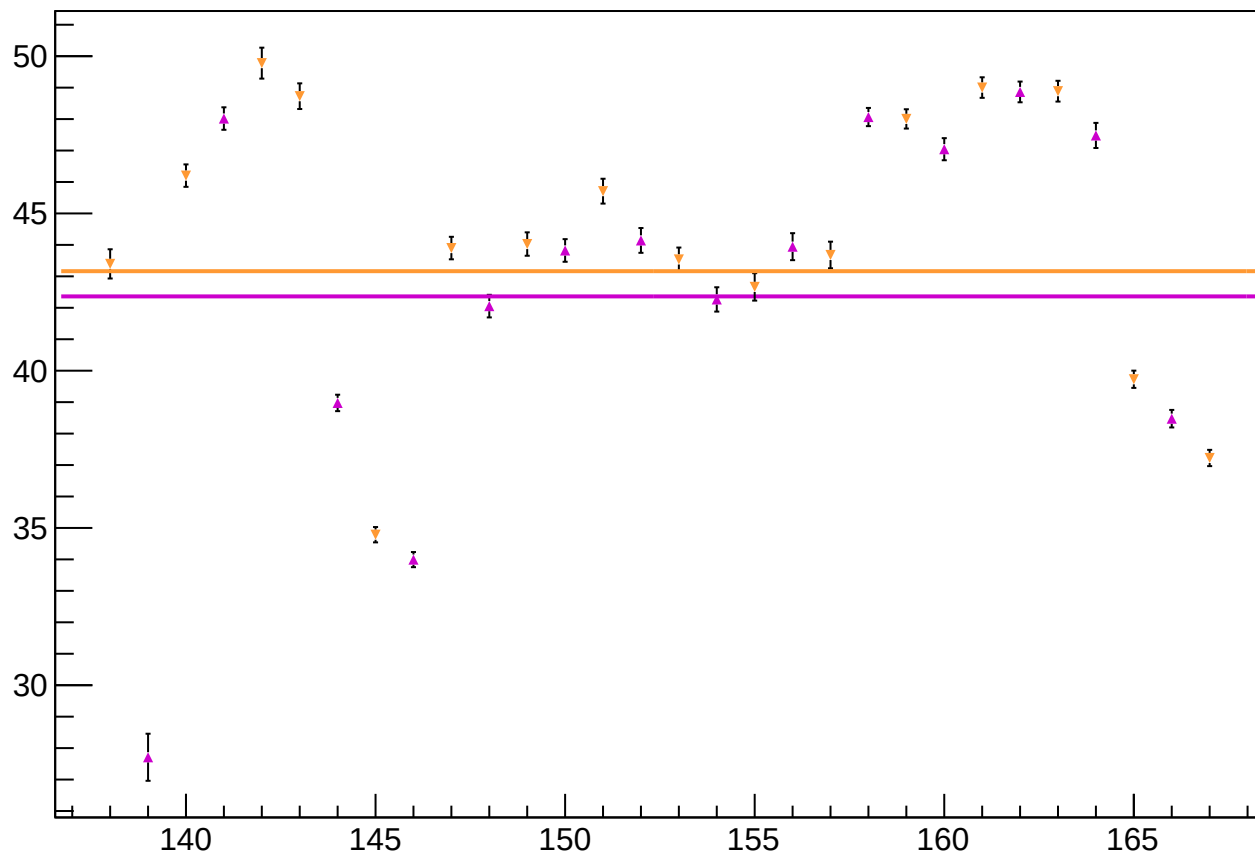
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 23.585+/-0.105 χ^2/NDF : 3841.1/13

Left: 23.622+/-0.073 χ^2/NDF : 7725.4/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 23.585+/-0.105 χ^2/NDF : 3841.1/13
 Out: 23.657+/-0.101 χ^2/NDF : 3884.1/15
 All: 23.622+/-0.073 χ^2/NDF : 7725.4/29

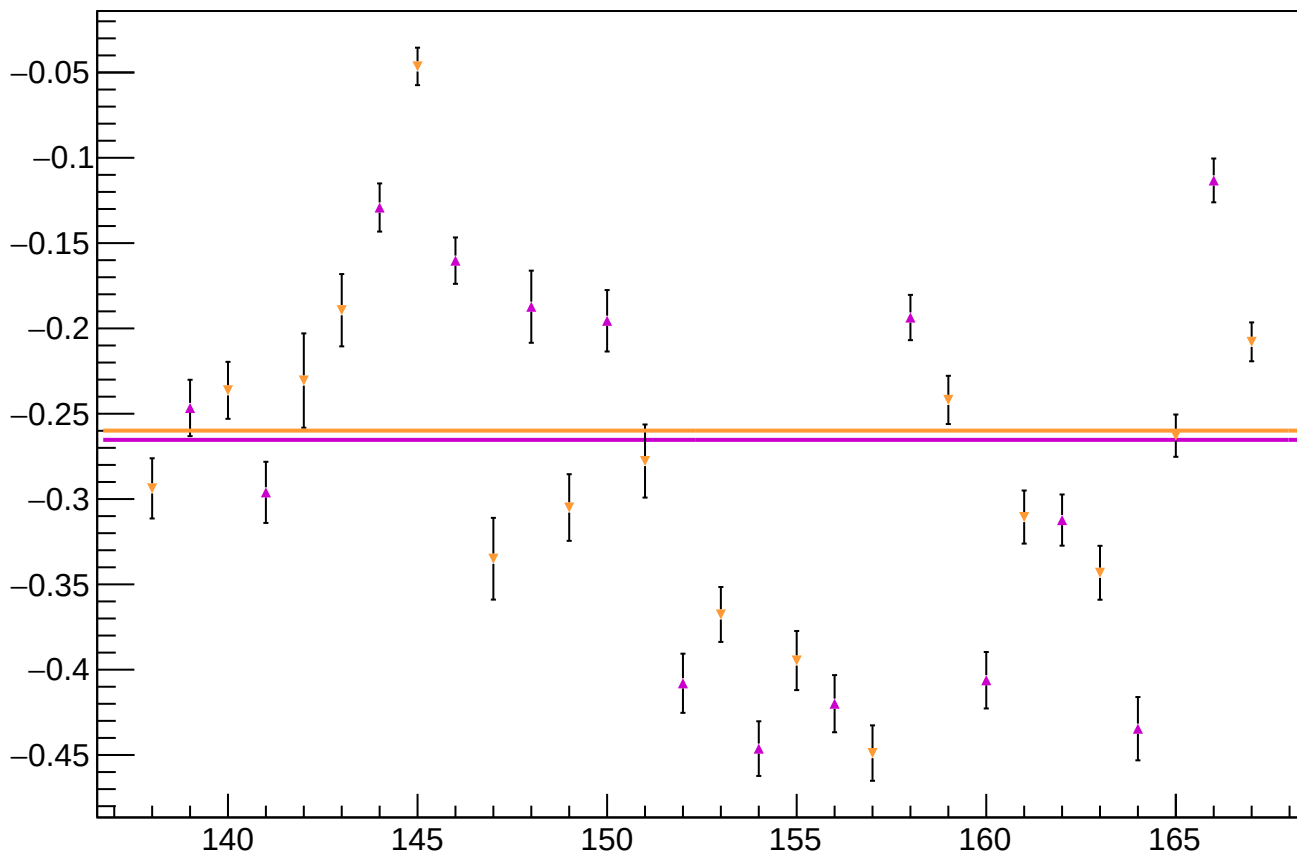
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 43.164+/-0.086 χ^2/NDF : 3226.6/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 42.362+/-0.090 χ^2/NDF : 3377.8/13

Left: 42.782+/-0.062 χ^2/NDF : 6646.1/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 42.362+/-0.090 χ^2/NDF : 3377.8/13
 Out: 43.164+/-0.086 χ^2/NDF : 3226.6/15
 All: 42.782+/-0.062 χ^2/NDF : 6646.1/29

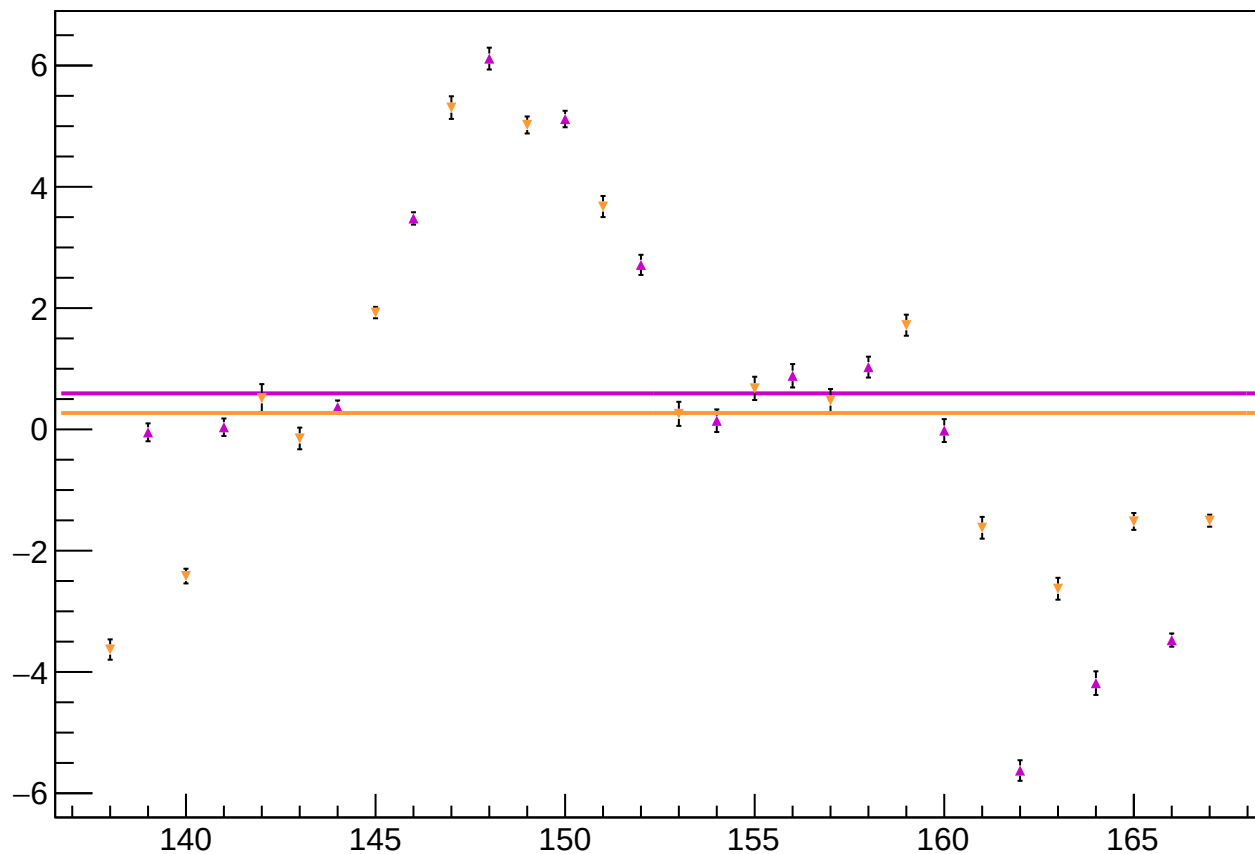
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -0.260 ± 0.004 $\chi^2/\text{NDF}: 713.0/15$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -0.265 ± 0.004 $\chi^2/\text{NDF}: 801.2/13$

Left: -0.262 ± 0.003 $\chi^2/\text{NDF}: 1515.0/29$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -0.265 ± 0.004 $\chi^2/\text{NDF}: 801.2/13$
 Out: -0.260 ± 0.004 $\chi^2/\text{NDF}: 713.0/15$
 All: -0.262 ± 0.003 $\chi^2/\text{NDF}: 1515.0/29$

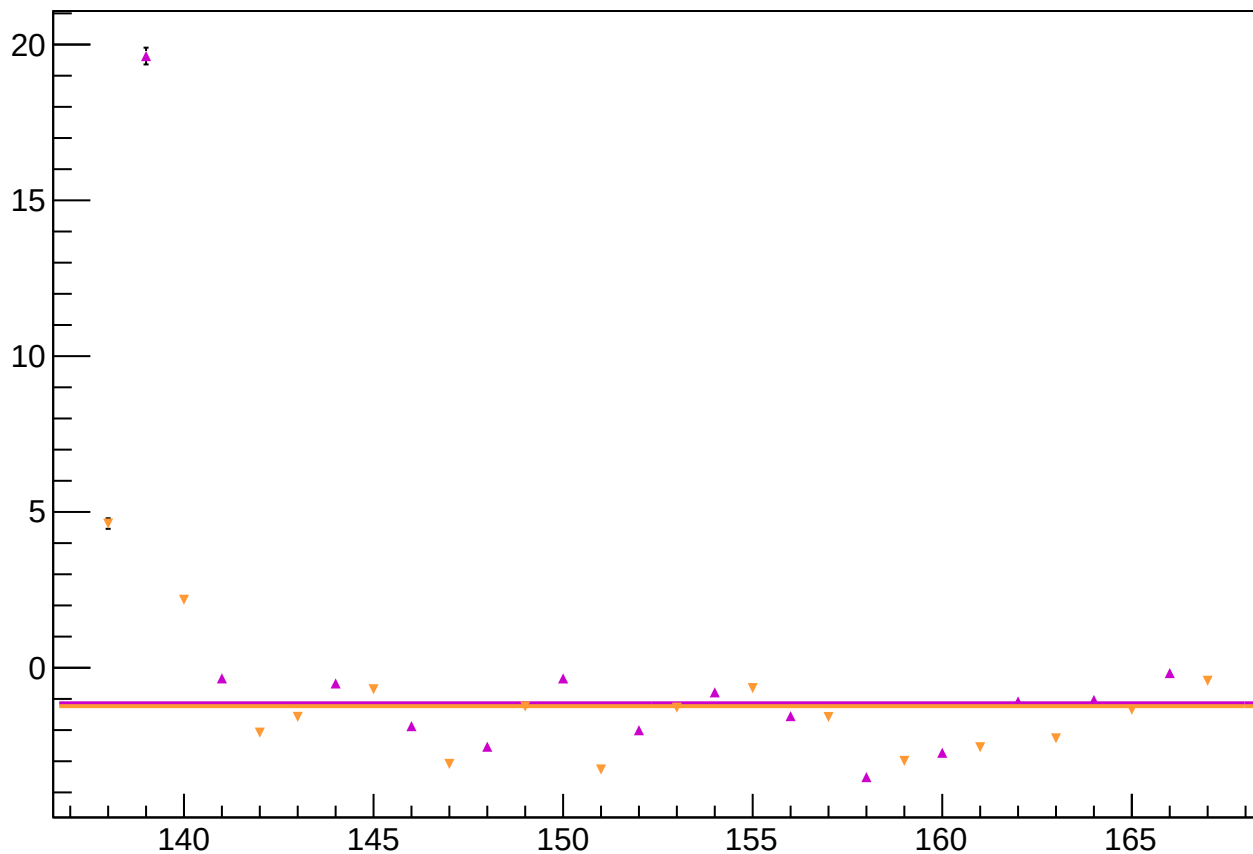
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.594 $\pm$ 0.039 χ^2 /NDF:6411.4/13

Left: 0.426 $\pm$ 0.027 χ^2 /NDF: 10992.4/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.594 $\pm$ 0.039 χ^2 /NDF:6411.4/13
 Out: 0.271 $\pm$ 0.038 χ^2 /NDF:4545.4/15
 All: 0.426 $\pm$ 0.027 χ^2 /NDF: 10992.4/29

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



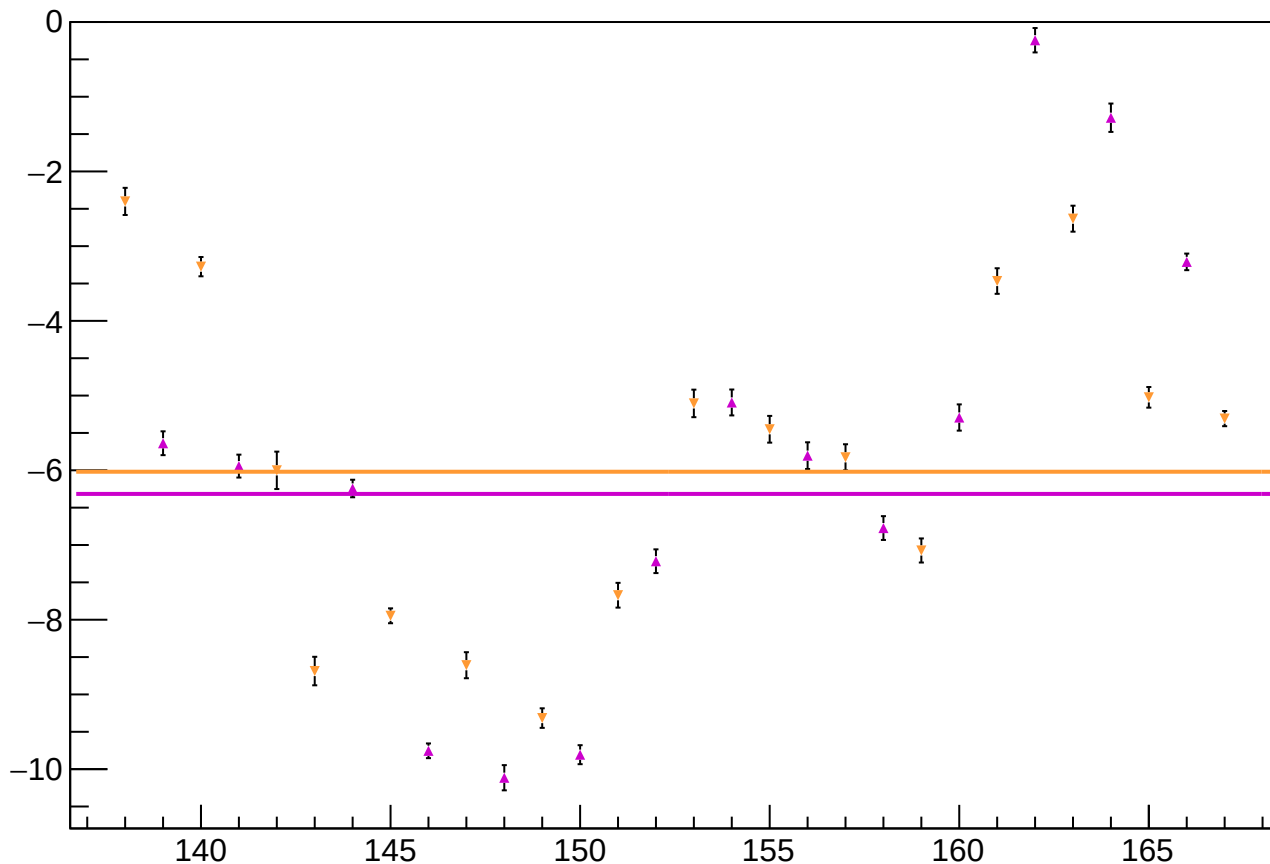
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.232+/-0.028 χ^2/NDF :3775.6/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.141+/-0.028 χ^2/NDF :7251.4/13

Left: -1.188+/-0.020 χ^2/NDF : 11032.3/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.141+/-0.028 χ^2/NDF :7251.4/13
 Out: -1.232+/-0.028 χ^2/NDF :3775.6/15

All: -1.188+/-0.020 χ^2/NDF : 11032.3/29

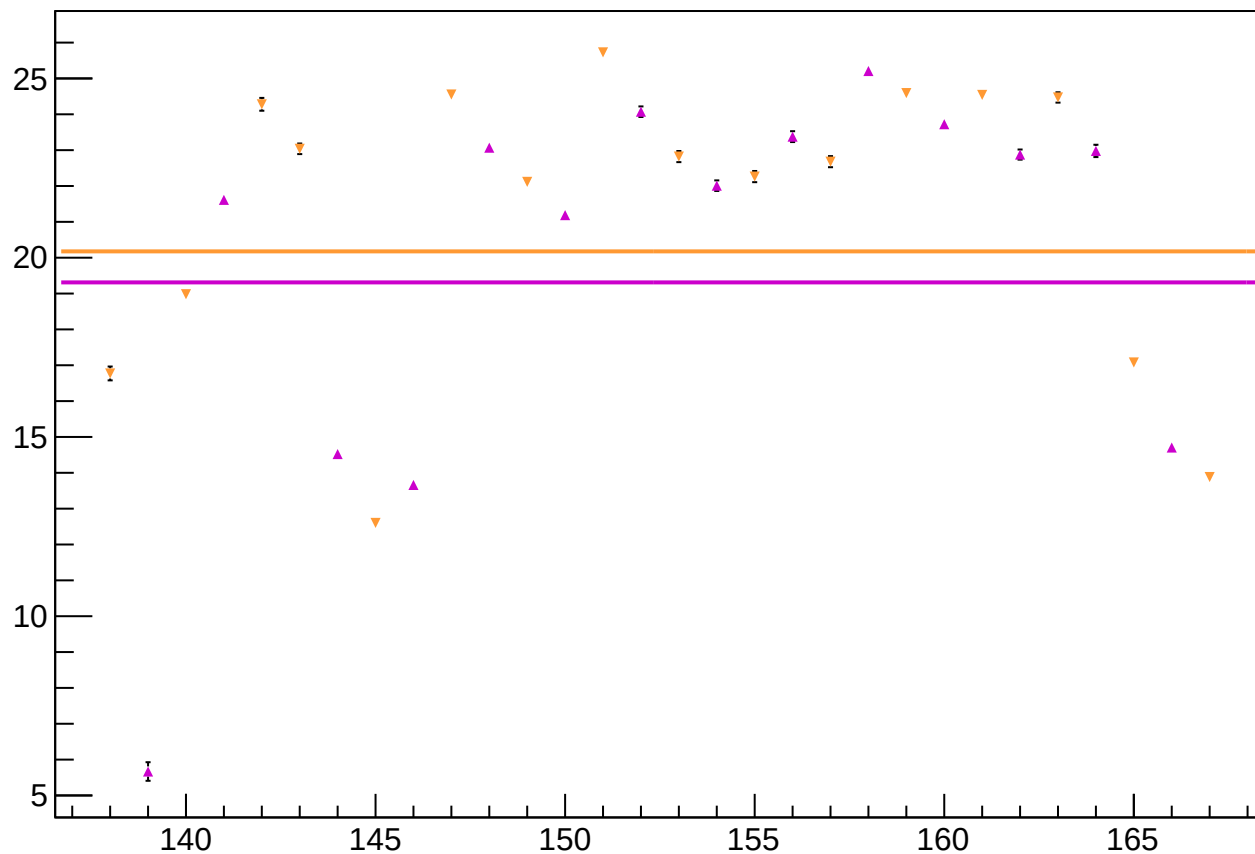
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.019 $\pm$ 0.038 χ^2 /NDF:3155.8/15
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.316 $\pm$ 0.038 χ^2 /NDF:5506.9/13

Left: -6.164 $\pm$ 0.027 χ^2 /NDF: 8693.2/29
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.316 $\pm$ 0.038 χ^2 /NDF:5506.9/13
 Out: -6.019 $\pm$ 0.038 χ^2 /NDF:3155.8/15
 All: -6.164 $\pm$ 0.027 χ^2 /NDF: 8693.2/29

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 20.176+/-0.032 χ^2/NDF :21141.9/15

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

Left In: 19.311+/-0.033 χ^2/NDF :20077.0/13

Left: 19.757+/-0.023 χ^2/NDF : 41575.3/29

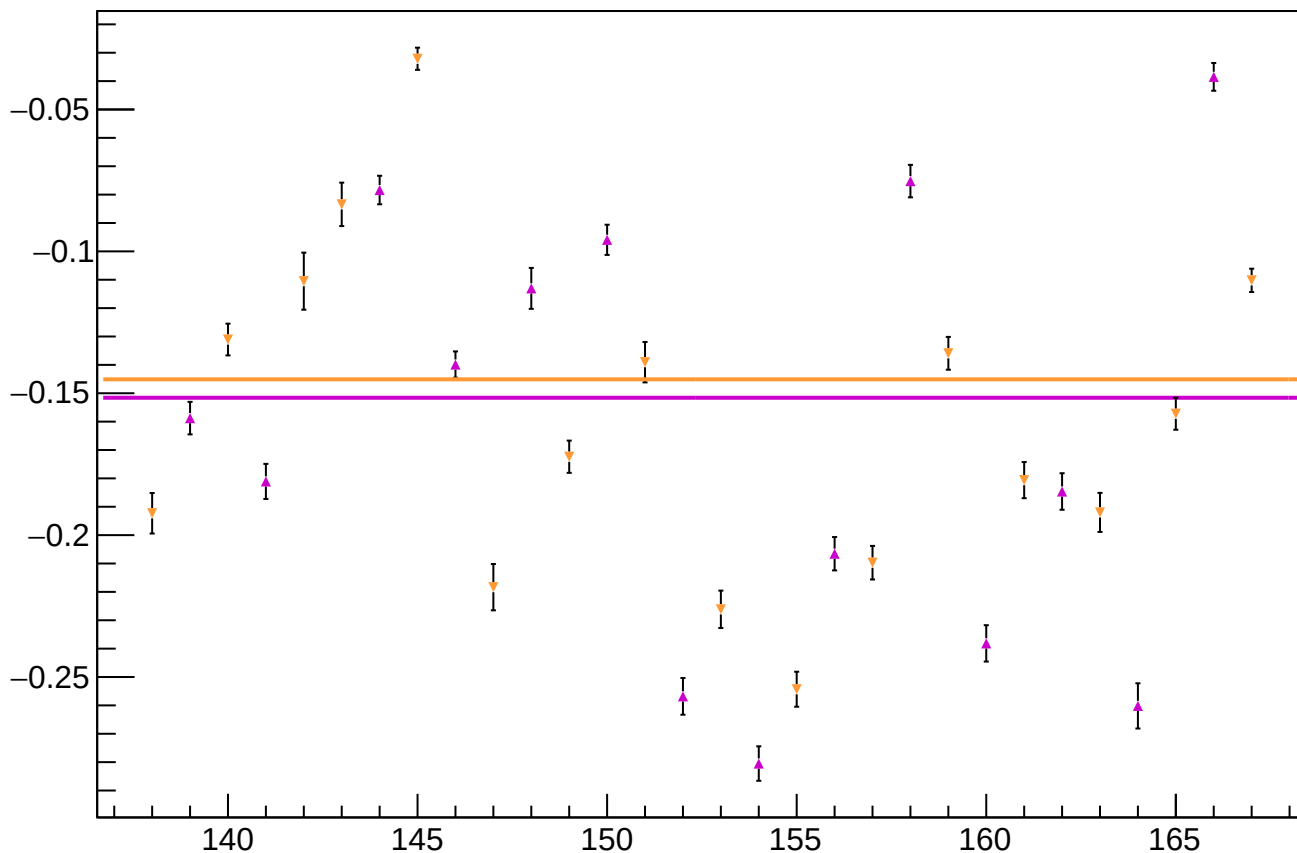
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 19.311+/-0.033 χ^2/NDF :20077.0/13

Out: 20.176+/-0.032 χ^2/NDF :21141.9/15

All: 19.757+/-0.023 χ^2/NDF : 41575.3/29

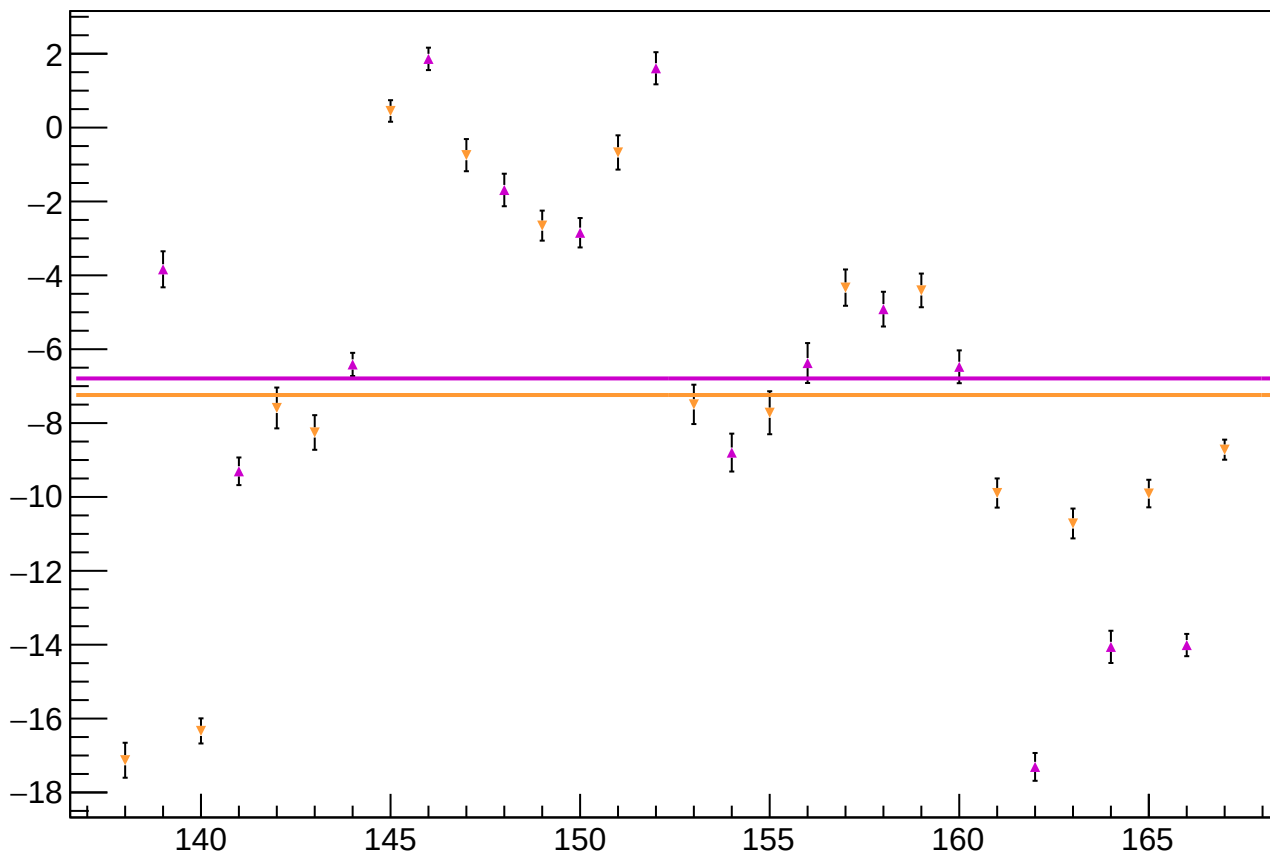
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.152+/-0.002 χ^2/NDF :2287.7/13

Left: -0.148+/-0.001 χ^2/NDF : 4104.3/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.152+/-0.002 χ^2/NDF :2287.7/13
 Out: -0.145+/-0.001 χ^2/NDF :1807.4/15
 All: -0.148+/-0.001 χ^2/NDF : 4104.3/29

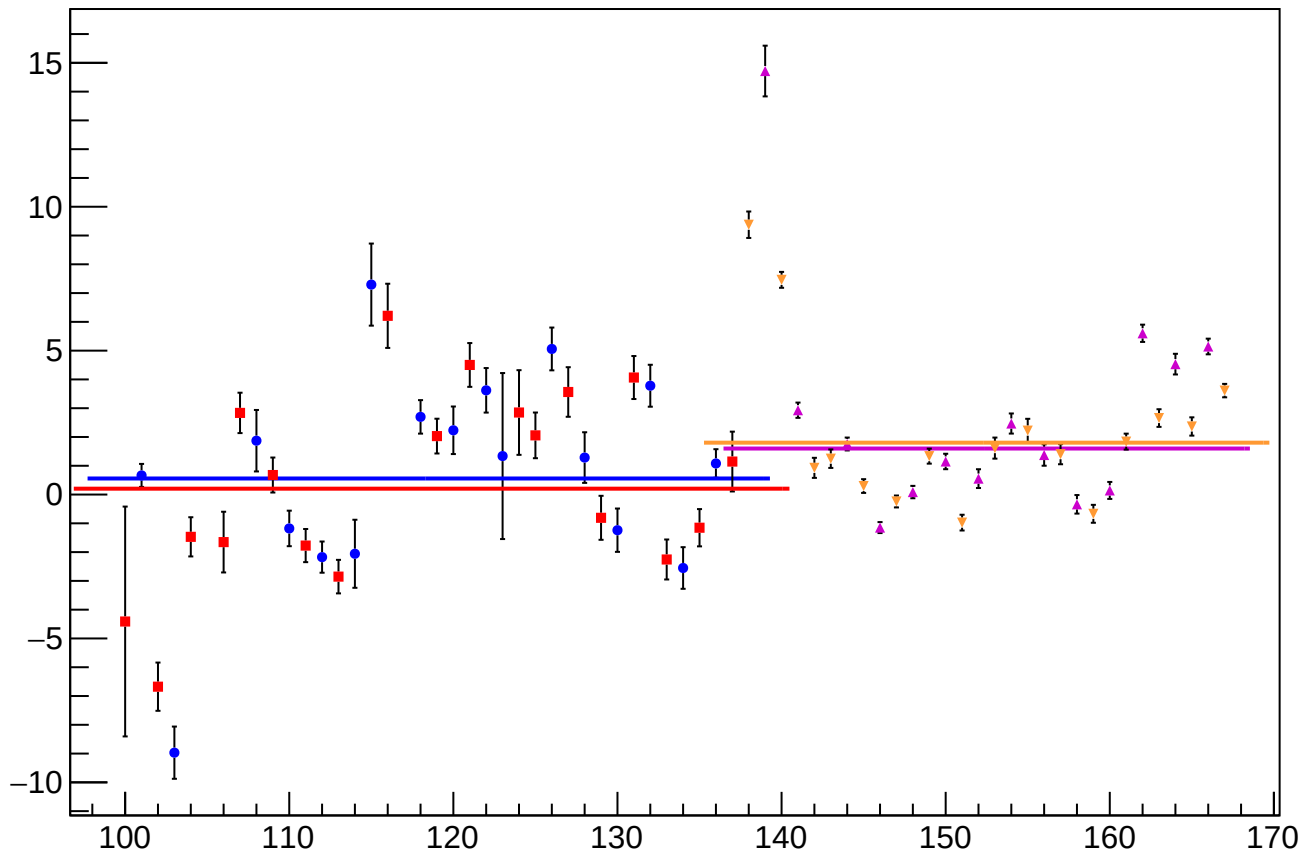
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -6.791+/-0.106 χ^2/NDF :3164.5/13

Left: -7.025+/-0.073 χ^2/NDF : 5848.4/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.791+/-0.106 χ^2/NDF :3164.5/13
 Out: -7.240+/-0.101 χ^2/NDF :2674.5/15
 All: -7.025+/-0.073 χ^2/NDF : 5848.4/29

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: 1.599 ± 0.075 χ^2/NDF : 997.7/13

Left: 1.704 ± 0.052 χ^2/NDF : 2081.7/29

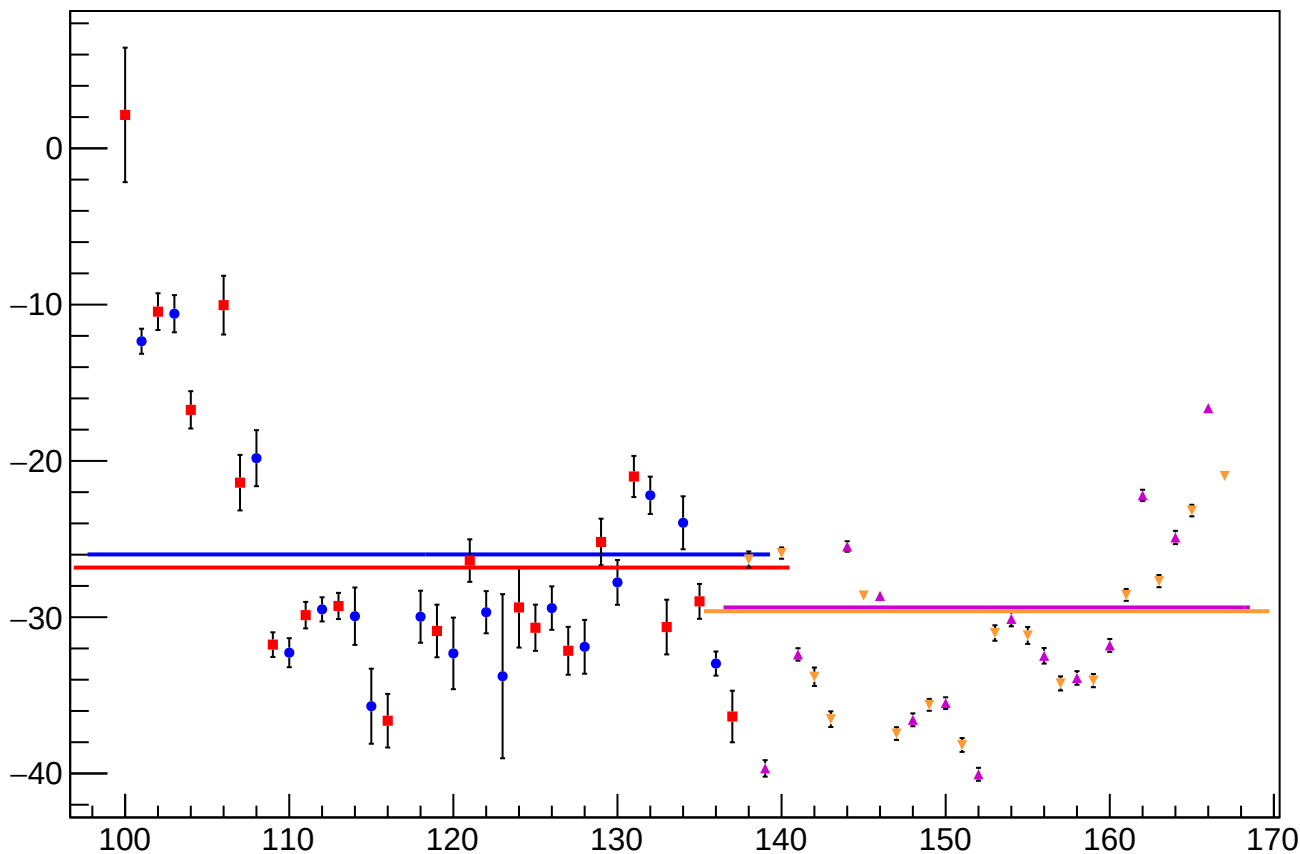
Right: 0.386 ± 0.122 χ^2/NDF : 562.1/35

In: 1.429 ± 0.069 χ^2/NDF : 1316.9/30

Out: 1.566 ± 0.067 χ^2/NDF : 1423.7/34

All: 1.499 ± 0.048 χ^2/NDF : 2742.6/65

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: -29.377 ± 0.104 χ^2/NDF : 4218.3/13

Left: -29.500 ± 0.072 χ^2/NDF : 7143.8/29

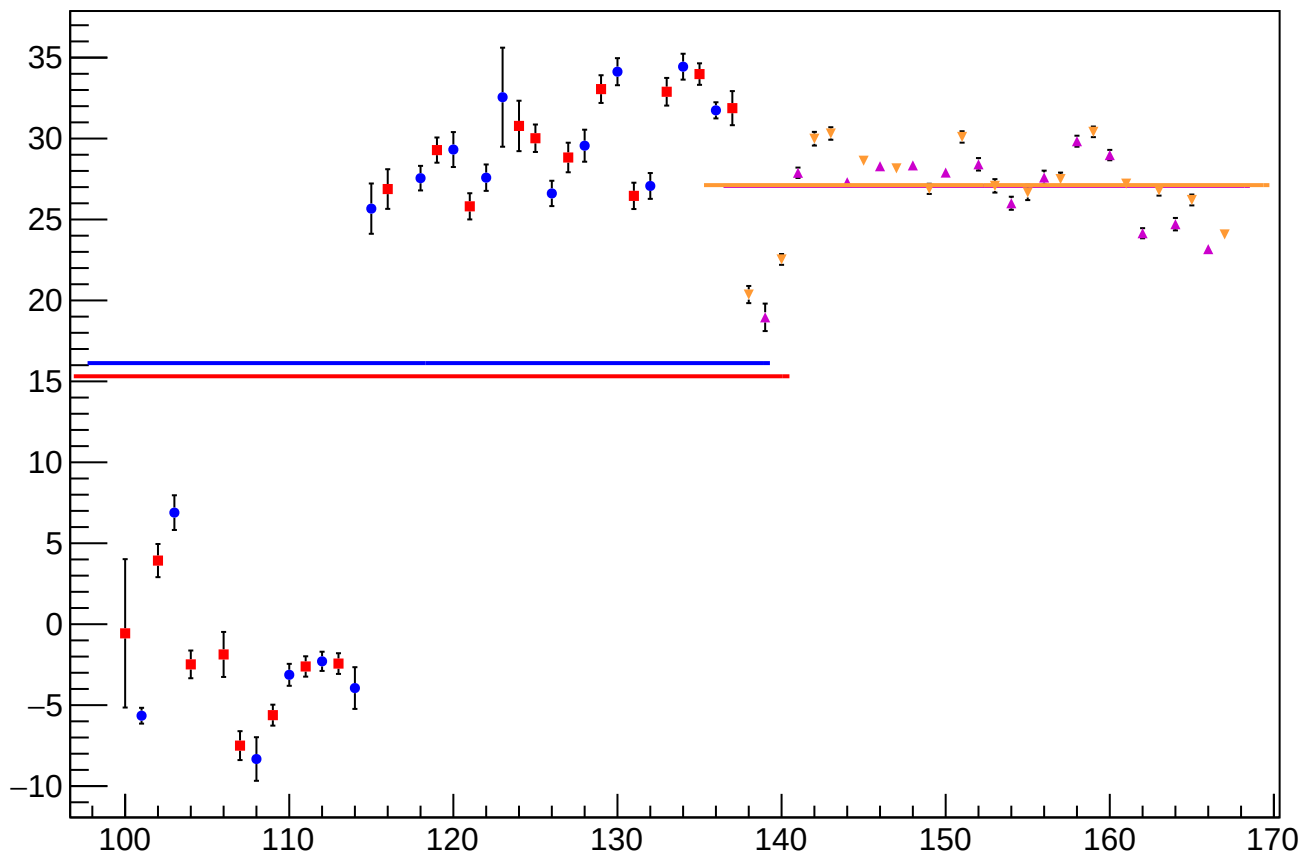
Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35

In: -29.014 ± 0.098 χ^2/NDF : 5023.7/30

Out: -29.330 ± 0.095 χ^2/NDF : 3583.3/34

All: -29.177 ± 0.068 χ^2/NDF : 8612.3/65

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: 27.073 $\pm$ 0.088 χ^2 /NDF:575.4/13

Left: 27.099 $\pm$ 0.061 χ^2 /NDF: 1409.5/29

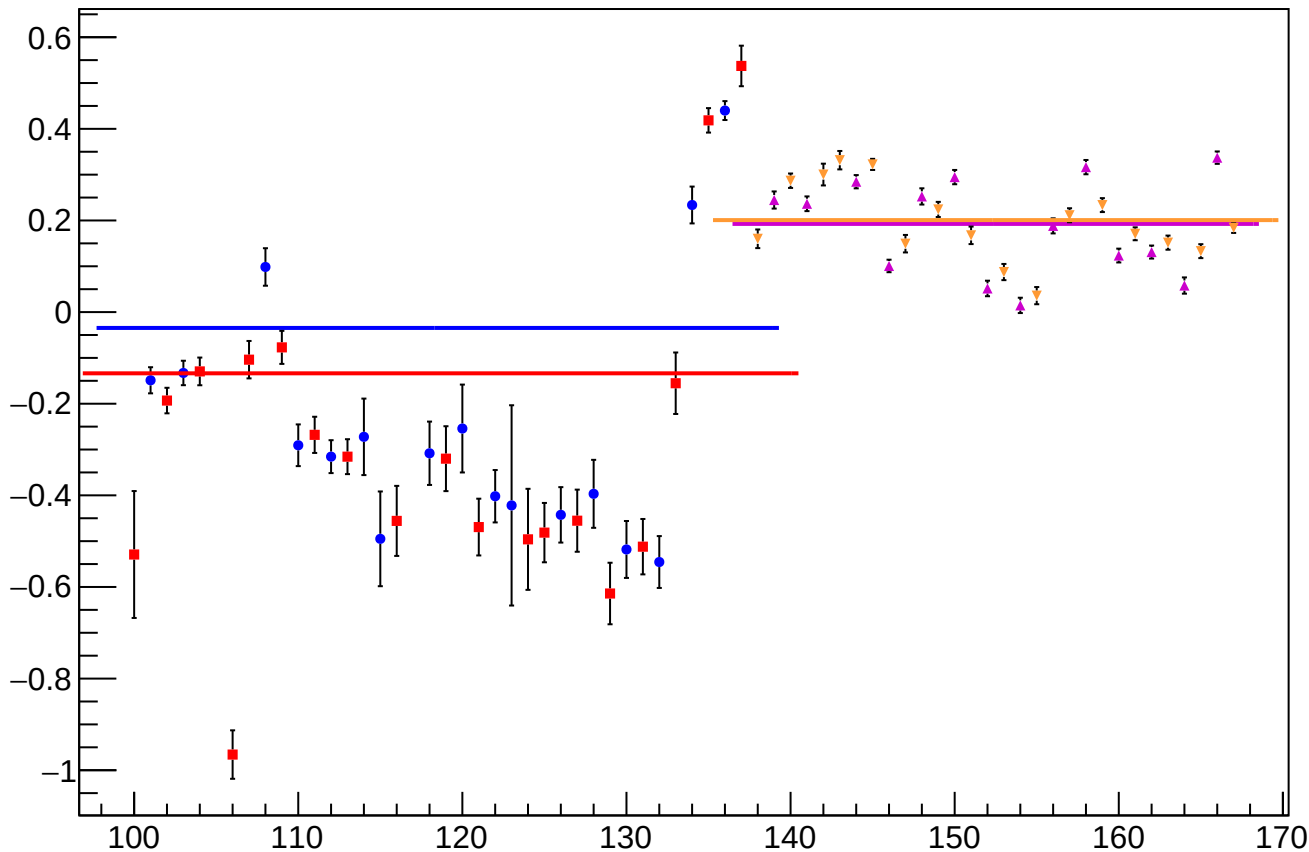
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 25.182 $\pm$ 0.080 χ^2 /NDF:10834.1/30

Out: 25.283 $\pm$ 0.078 χ^2 /NDF:11144.4/34

All: 25.234 $\pm$ 0.056 χ^2 /NDF: 21979.2/65

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 $\pm$ 0.010 χ^2 /NDF: 1011.6/16

Left Out: 0.201 $\pm$ 0.004 χ^2 /NDF:366.5/15

Right Out: -0.134 $\pm$ 0.010 χ^2 /NDF: 1161.9/18

Left In: 0.192 $\pm$ 0.004 χ^2 /NDF:612.0/13

Left: 0.197 $\pm$ 0.003 χ^2 /NDF: 980.5/29

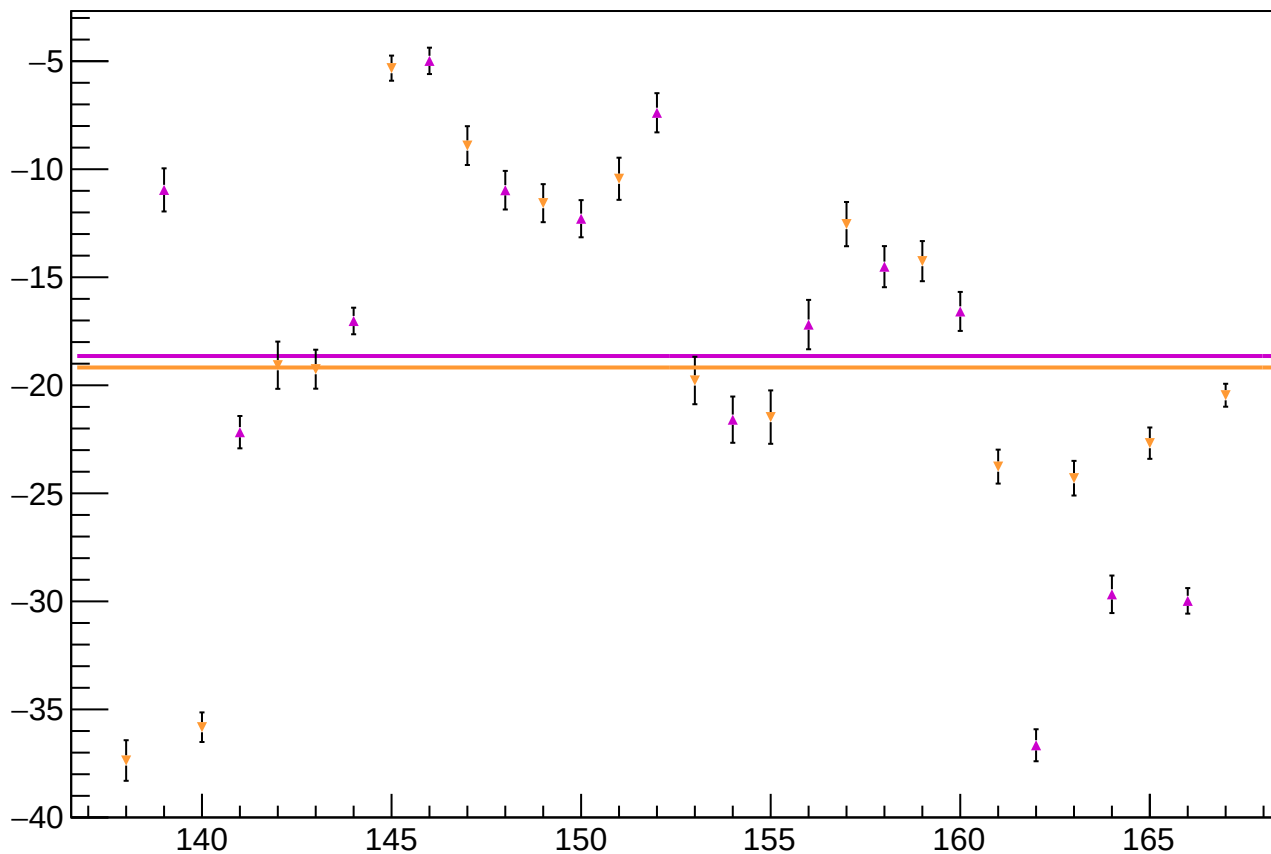
Right: -0.084 $\pm$ 0.007 χ^2 /NDF: 2219.2/35

In: 0.160 $\pm$ 0.004 χ^2 /NDF:2038.4/30

Out: 0.158 $\pm$ 0.004 χ^2 /NDF:2433.5/34

All: 0.159 $\pm$ 0.003 χ^2 /NDF: 4472.2/65

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: -18.645+/-0.214 χ^2/NDF :2025.0/13

Left: -18.923+/-0.147 χ^2/NDF : 4025.3/29

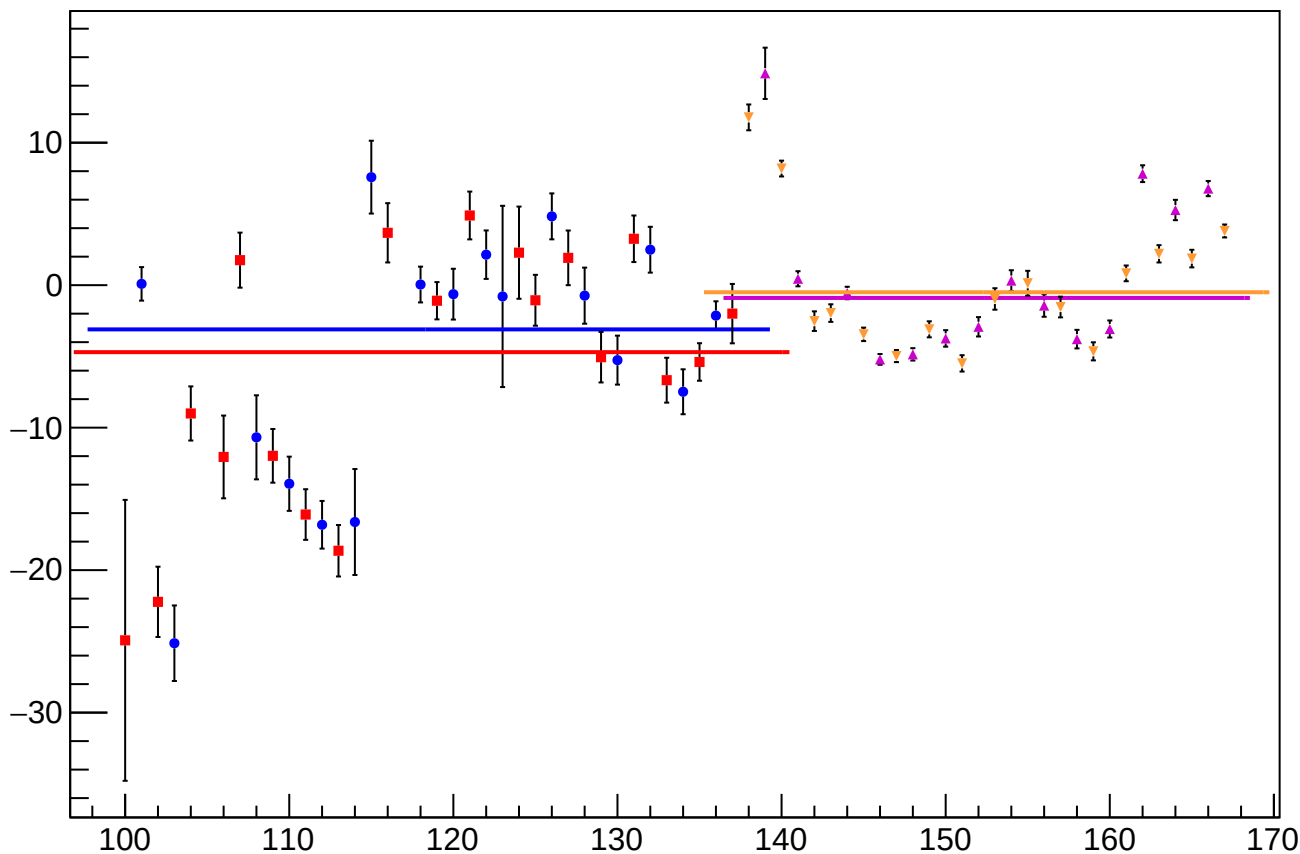
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.645+/-0.214 χ^2/NDF :2025.0/13

Out: -19.176+/-0.204 χ^2/NDF :1997.1/15

All: -18.923+/-0.147 χ^2/NDF : 4025.3/29

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -0.497 ± 0.147 χ^2/NDF : 863.7/15

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

Left In: -0.896 ± 0.152 χ^2/NDF : 866.0/13

Left: -0.691 ± 0.106 χ^2/NDF : 1733.3/29

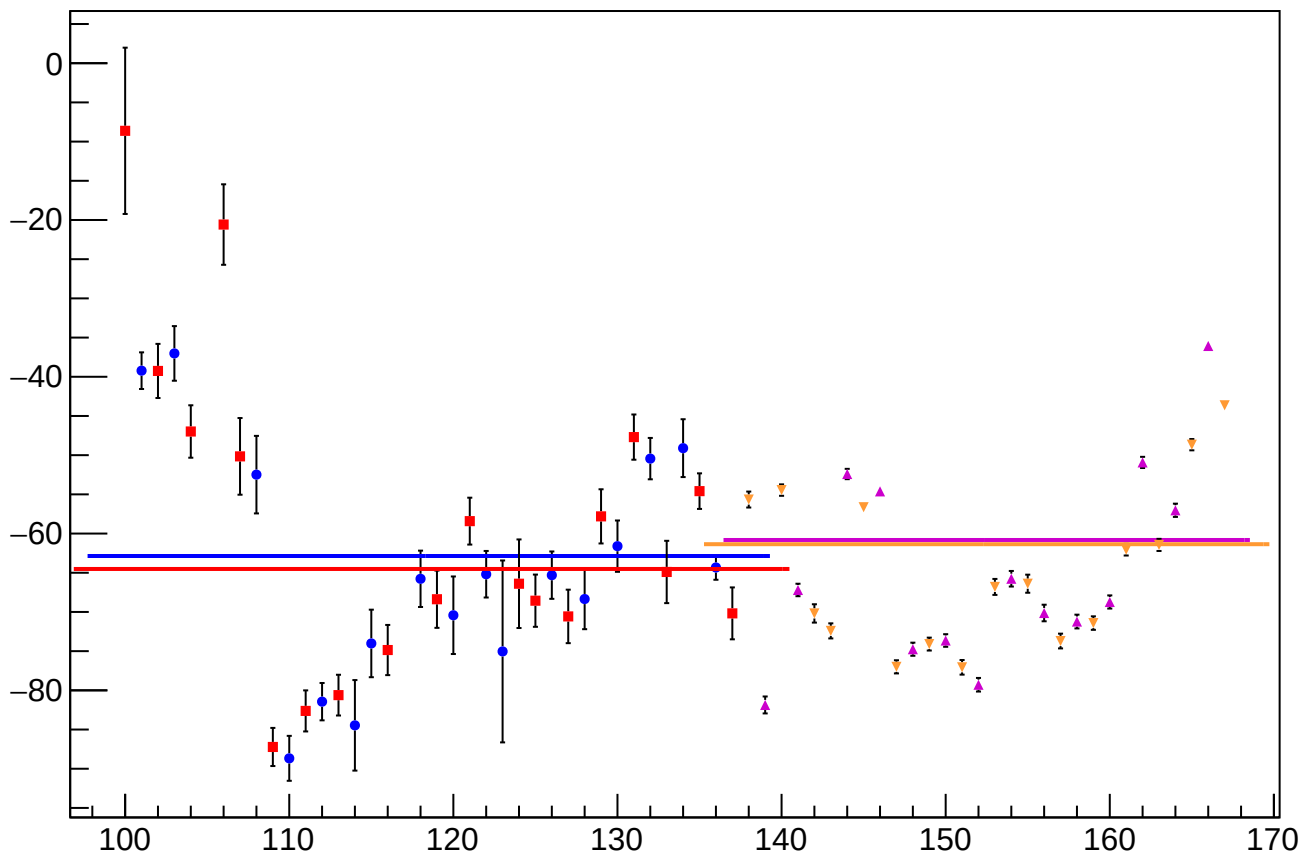
Right: -3.873 ± 0.296 χ^2/NDF : 584.0/35

In: -1.160 ± 0.142 χ^2/NDF : 1170.6/30

Out: -0.944 ± 0.139 χ^2/NDF : 1248.1/34

All: -1.050 ± 0.099 χ^2/NDF : 2419.9/65

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: -60.819 ± 0.210 χ^2/NDF : 3934.2/13

Left: -61.097 ± 0.146 χ^2/NDF : 6908.3/29

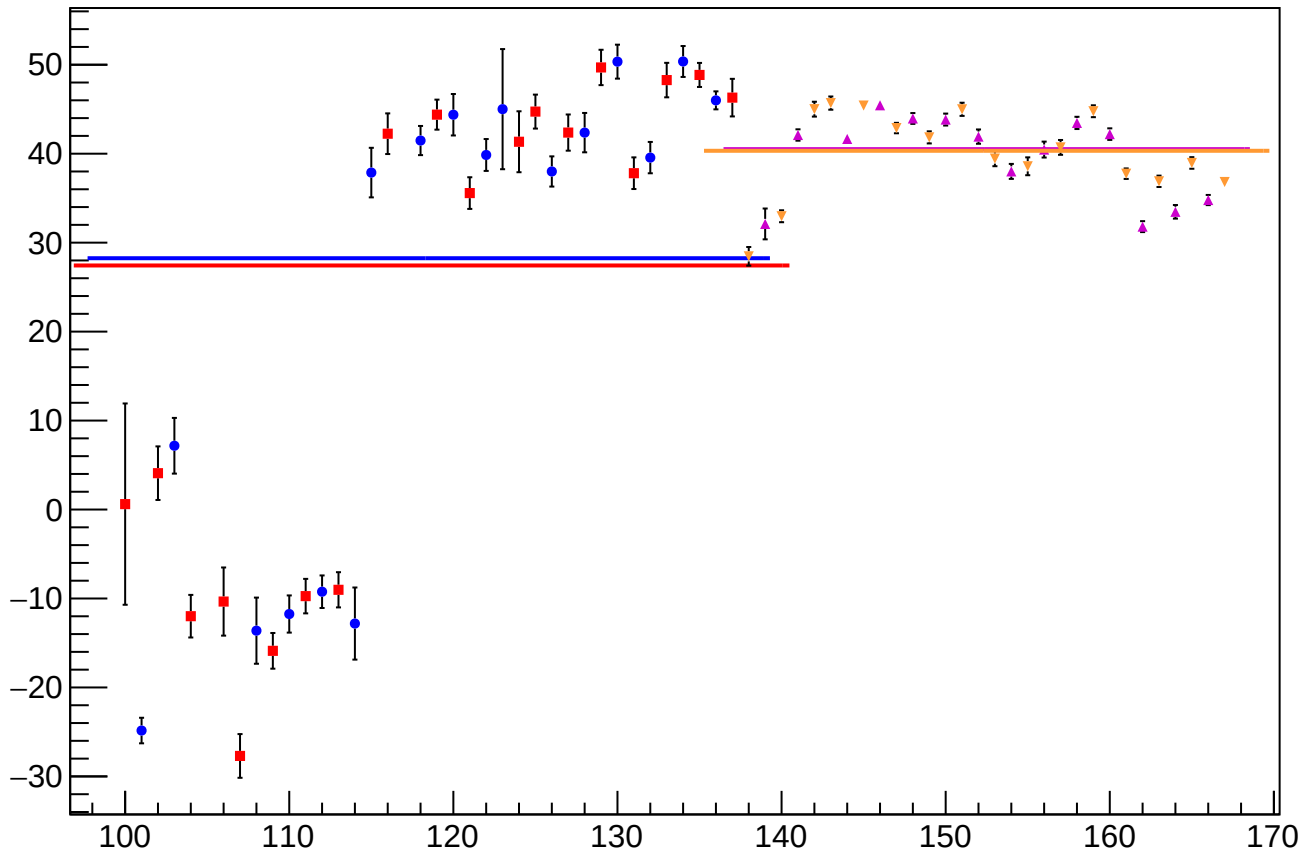
Right: -63.677 ± 0.528 χ^2/NDF : 815.4/35

In: -60.971 ± 0.202 χ^2/NDF : 4310.0/30

Out: -61.572 ± 0.196 χ^2/NDF : 3431.4/34

All: -61.281 ± 0.141 χ^2/NDF : 7746.0/65

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: 40.512 ± 0.177 χ^2/NDF : 621.2/13

Left: 40.416 ± 0.123 χ^2/NDF : 1254.2/29

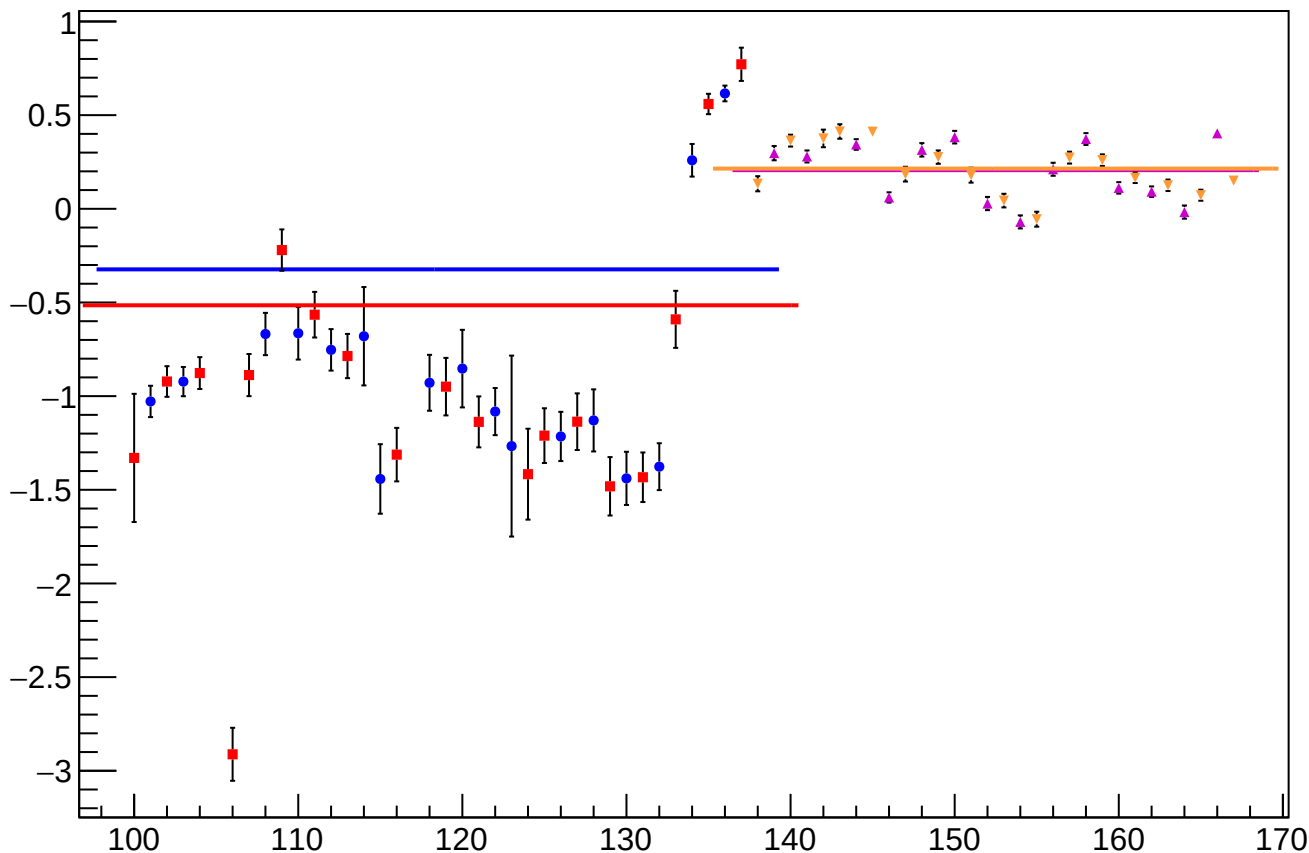
Right: 27.859 ± 0.332 χ^2/NDF : 6353.5/35

In: 38.931 ± 0.165 χ^2/NDF : 4559.4/30

Out: 38.874 ± 0.161 χ^2/NDF : 4308.3/34

All: 38.902 ± 0.115 χ^2/NDF : 8867.7/65

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: 0.206 ± 0.008 χ^2/NDF : 335.9/13

Left: 0.211 ± 0.006 χ^2/NDF : 587.5/29

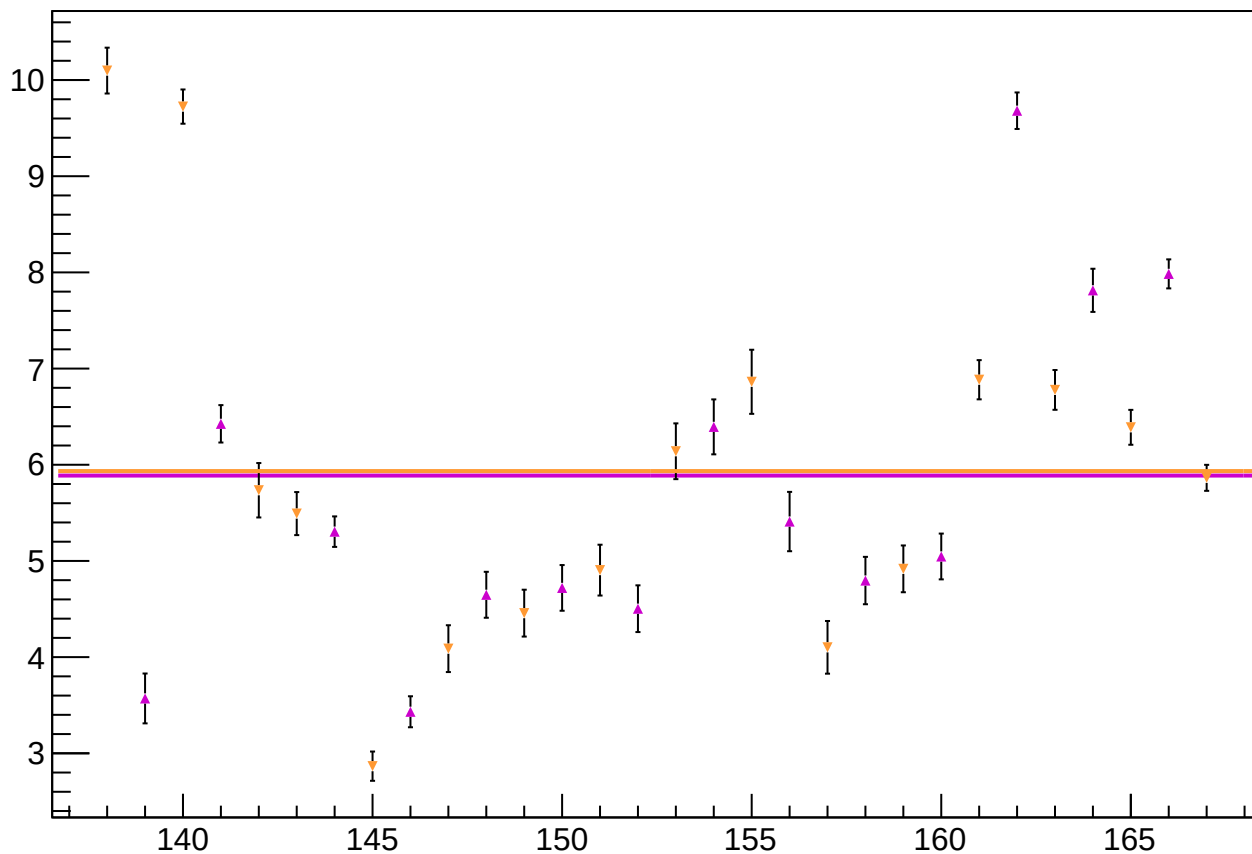
Right: -0.416 ± 0.018 χ^2/NDF : 2200.2/35

In: 0.151 ± 0.008 χ^2/NDF : 1750.4/30

Out: 0.150 ± 0.008 χ^2/NDF : 2143.2/34

All: 0.151 ± 0.006 χ^2/NDF : 3893.7/65

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: 5.888+/-0.056 χ^2/NDF :1120.6/13

Left: 5.912+/-0.038 χ^2/NDF : 2515.2/29

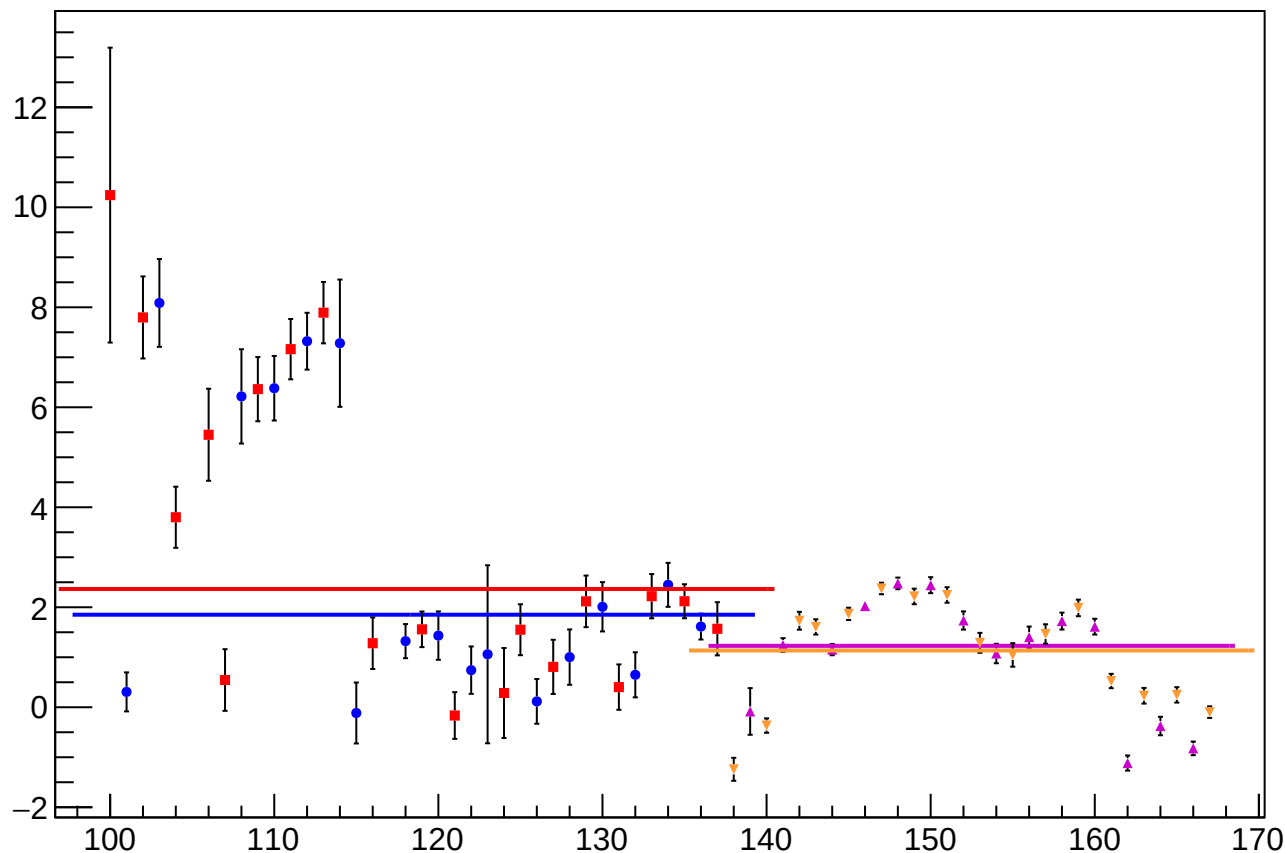
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5.888+/-0.056 χ^2/NDF :1120.6/13

Out: 5.934+/-0.053 χ^2/NDF :1394.3/15

All: 5.912+/-0.038 χ^2/NDF : 2515.2/29

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 $\chi^2/\text{NDF}: 294.2/16$

Left Out: 1.135 ± 0.038 $\chi^2/\text{NDF}: 714.4/15$

Right Out: 2.365 ± 0.123 $\chi^2/\text{NDF}: 336.2/18$

Left In: 1.228 ± 0.040 $\chi^2/\text{NDF}: 813.5/13$

Left: 1.180 ± 0.028 $\chi^2/\text{NDF}: 1530.8/29$

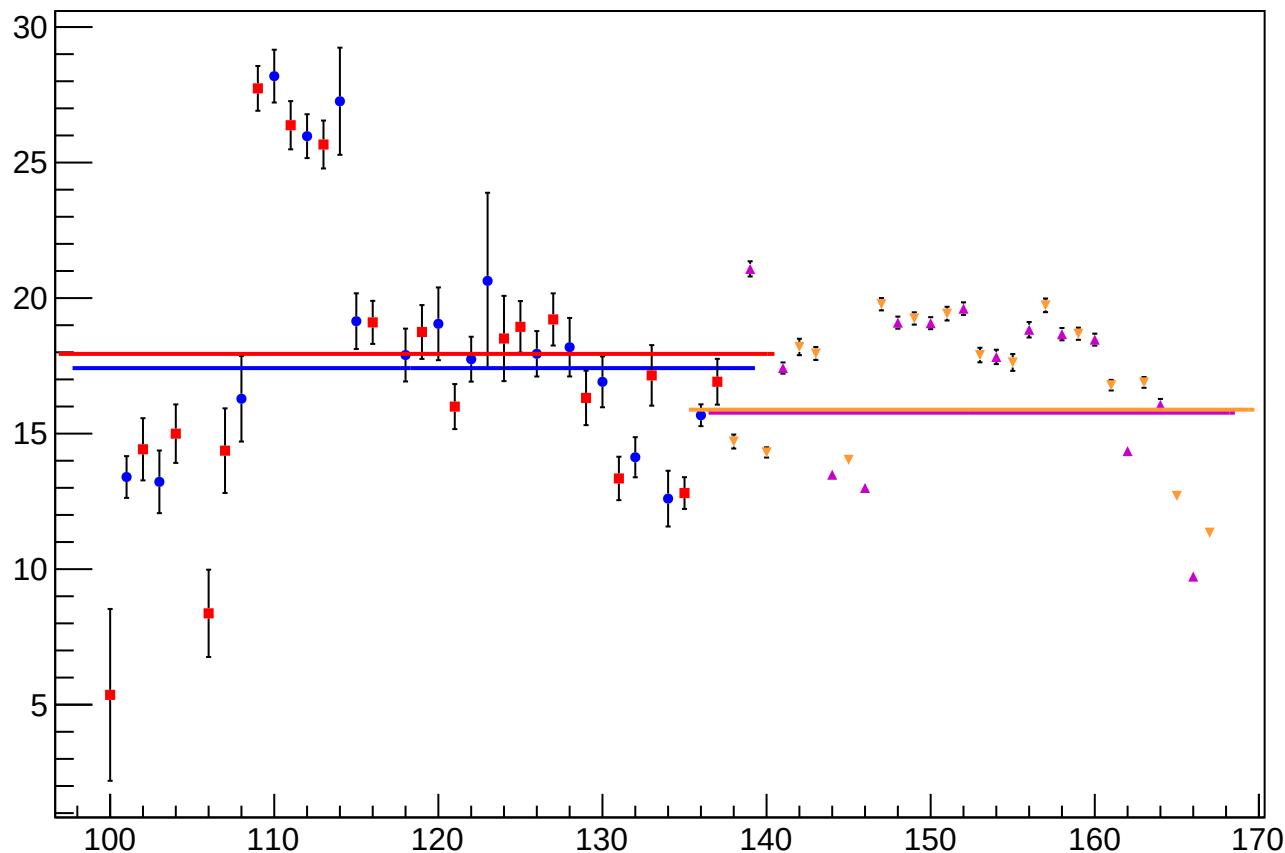
Right: 2.097 ± 0.085 $\chi^2/\text{NDF}: 639.6/35$

In: 1.293 ± 0.038 $\chi^2/\text{NDF}: 1133.0/30$

Out: 1.245 ± 0.037 $\chi^2/\text{NDF}: 1142.3/34$

All: 1.268 ± 0.026 $\chi^2/\text{NDF}: 2276.1/65$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 ± 0.213 $\chi^2/\text{NDF}: 367.0/16$

Left Out: 15.884 ± 0.053 $\chi^2/\text{NDF}: 2972.7/15$

Right Out: 17.941 ± 0.219 $\chi^2/\text{NDF}: 505.6/18$

Left In: 15.773 ± 0.055 $\chi^2/\text{NDF}: 3733.3/13$

Left: 15.830 ± 0.038 $\chi^2/\text{NDF}: 6708.1/29$

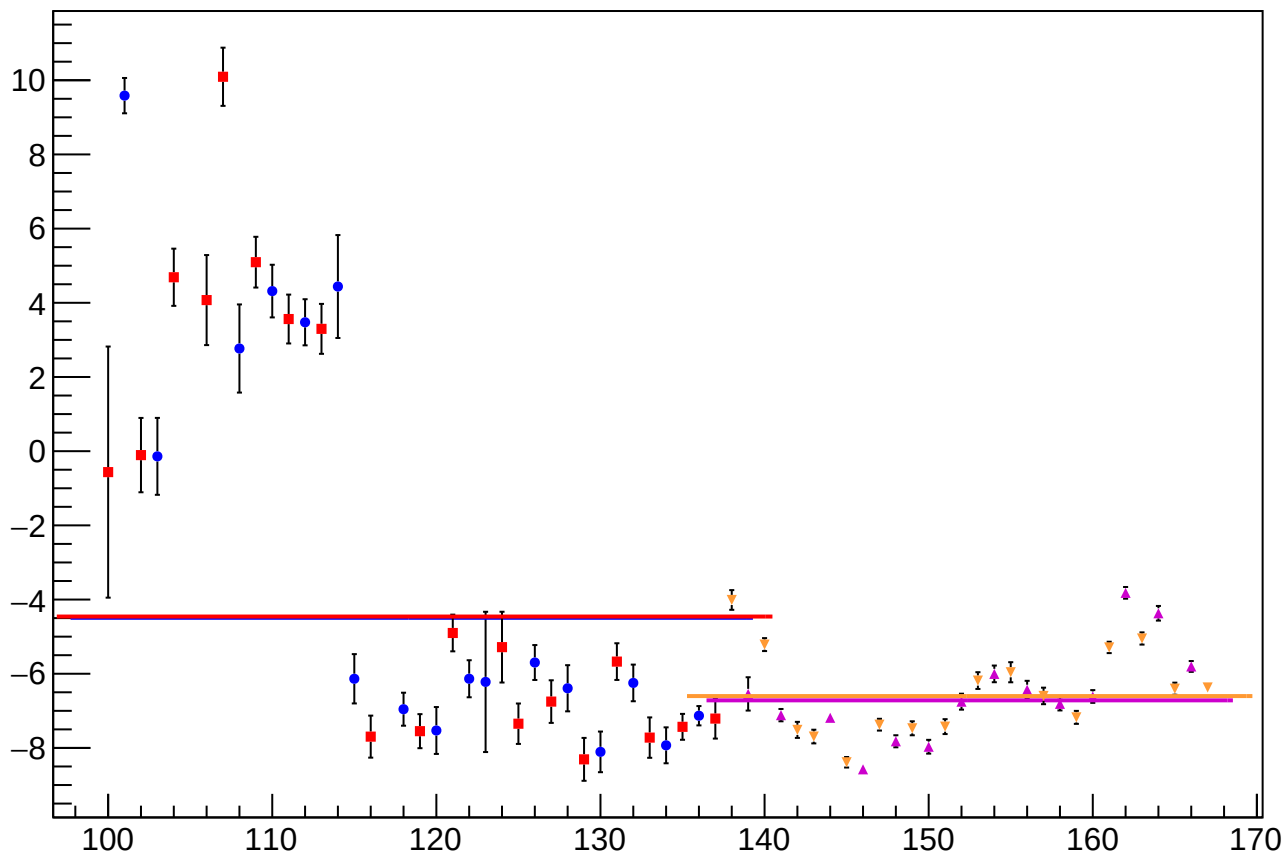
Right: 17.671 ± 0.153 $\chi^2/\text{NDF}: 875.6/35$

In: 15.876 ± 0.053 $\chi^2/\text{NDF}: 4156.3/30$

Out: 15.997 ± 0.051 $\chi^2/\text{NDF}: 3561.6/34$

All: 15.938 ± 0.037 $\chi^2/\text{NDF}: 7720.6/65$

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: -6.717 ± 0.046 χ^2/NDF : 864.2/13

Left: -6.657 ± 0.032 χ^2/NDF : 1484.8/29

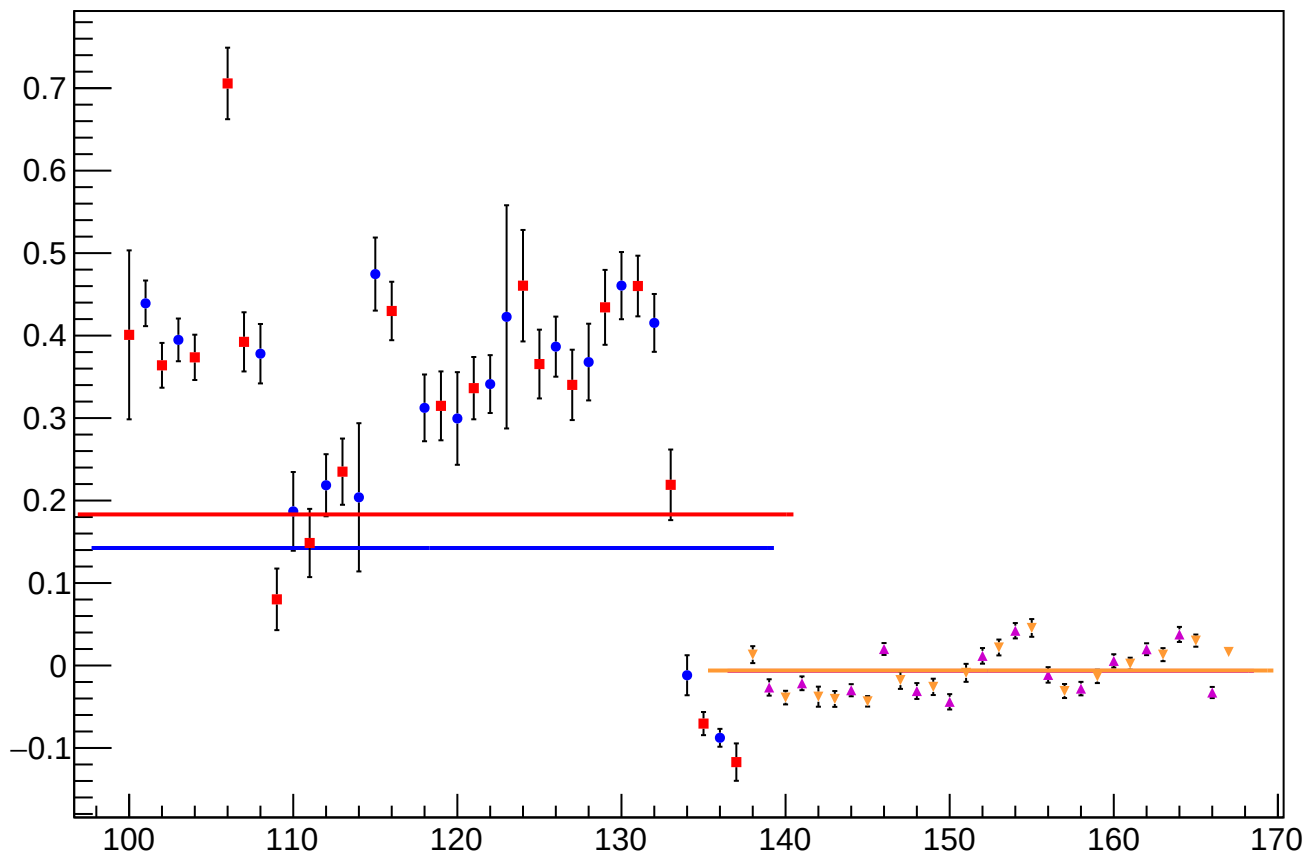
Right: -4.476 ± 0.094 χ^2/NDF : 2924.4/35

In: -6.468 ± 0.044 χ^2/NDF : 2708.1/30

Out: -6.397 ± 0.042 χ^2/NDF : 2177.7/34

All: -6.431 ± 0.030 χ^2/NDF : 4887.2/65

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1058.8/16

Left Out: -0.006 $\pm$ 0.002 χ^2 /NDF:167.2/15

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 1000.9/18

Left In: -0.007 $\pm$ 0.002 χ^2 /NDF:146.0/13

Left: -0.006 $\pm$ 0.002 χ^2 /NDF: 313.3/29

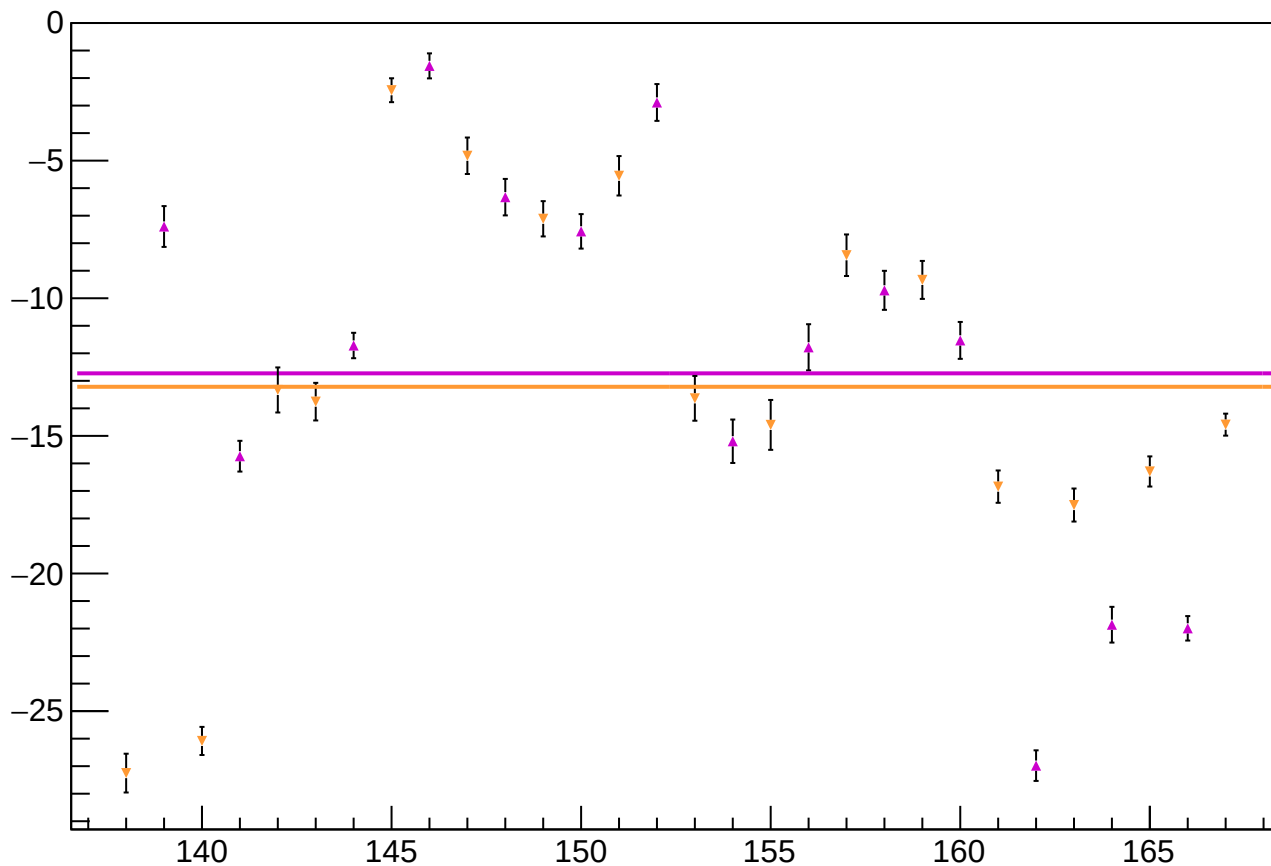
Right: 0.162 $\pm$ 0.005 χ^2 /NDF: 2075.4/35

In: 0.007 $\pm$ 0.002 χ^2 /NDF:1609.0/30

Out: 0.008 $\pm$ 0.002 χ^2 /NDF:1772.3/34

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 3381.5/65

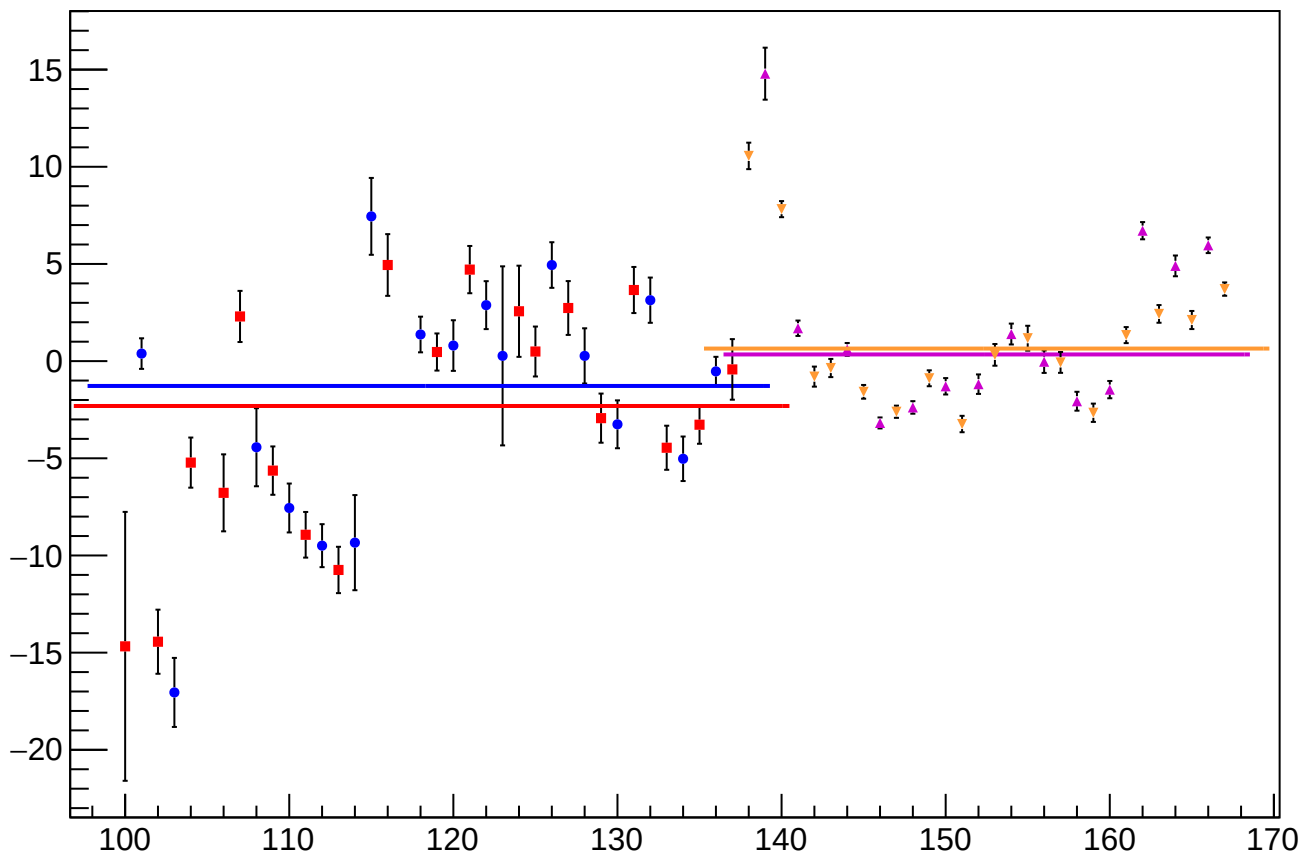
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -12.728+/-0.159 χ^2/NDF :2389.5/13

Left: -12.983+/-0.110 χ^2/NDF : 4615.7/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -12.728+/-0.159 χ^2/NDF :2389.5/13
 Out: -13.216+/-0.152 χ^2/NDF :2221.3/15
 All: -12.983+/-0.110 χ^2/NDF : 4615.7/29

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: 0.344 ± 0.113 χ^2/NDF : 900.3/13

Left: 0.499 ± 0.079 χ^2/NDF : 1833.1/29

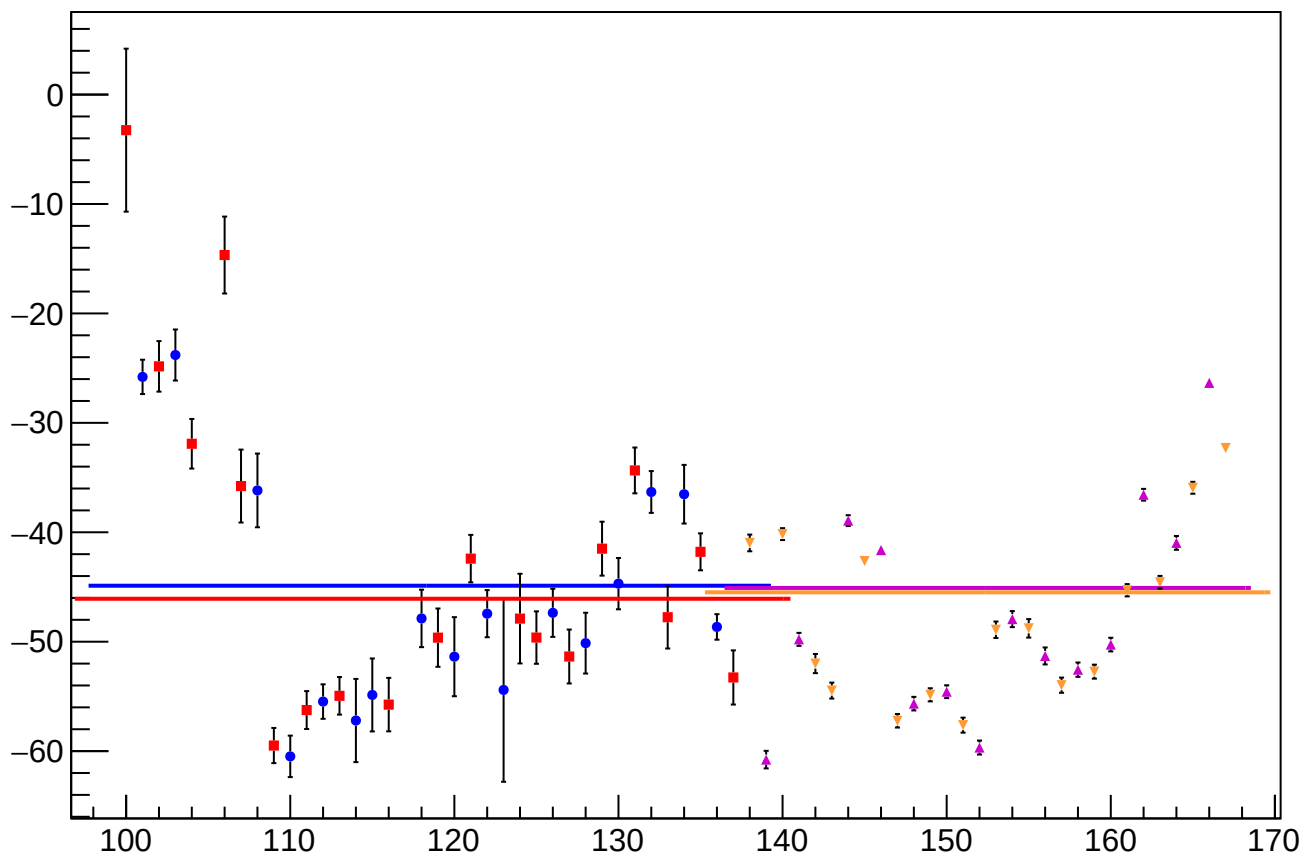
Right: -1.776 ± 0.210 χ^2/NDF : 567.8/35

In: 0.133 ± 0.105 χ^2/NDF : 1203.6/30

Out: 0.303 ± 0.103 χ^2/NDF : 1298.9/34

All: 0.220 ± 0.074 χ^2/NDF : 2503.8/65

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: -45.087 ± 0.156 $\chi^2/\text{NDF}: 4020.6/13$

Left: -45.294 ± 0.109 $\chi^2/\text{NDF}: 6983.7/29$

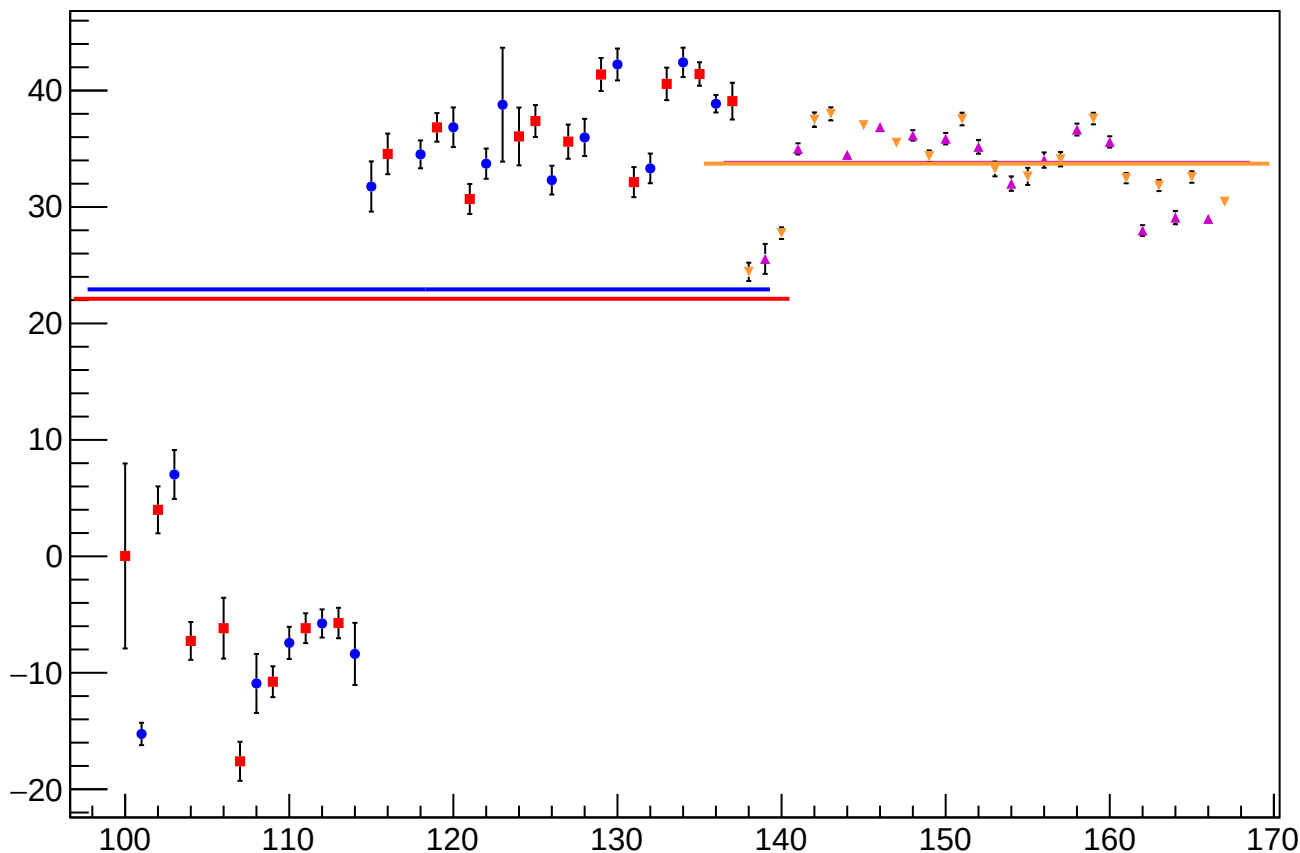
Right: -45.474 ± 0.372 $\chi^2/\text{NDF}: 877.8/35$

In: -45.070 ± 0.150 $\chi^2/\text{NDF}: 4441.7/30$

Out: -45.532 ± 0.145 $\chi^2/\text{NDF}: 3415.1/34$

All: -45.308 ± 0.104 $\chi^2/\text{NDF}: 7861.7/65$

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: 33.793 $\pm$ 0.132 χ^2 /NDF:580.2/13

Left: 33.758 $\pm$ 0.092 χ^2 /NDF: 1258.7/29

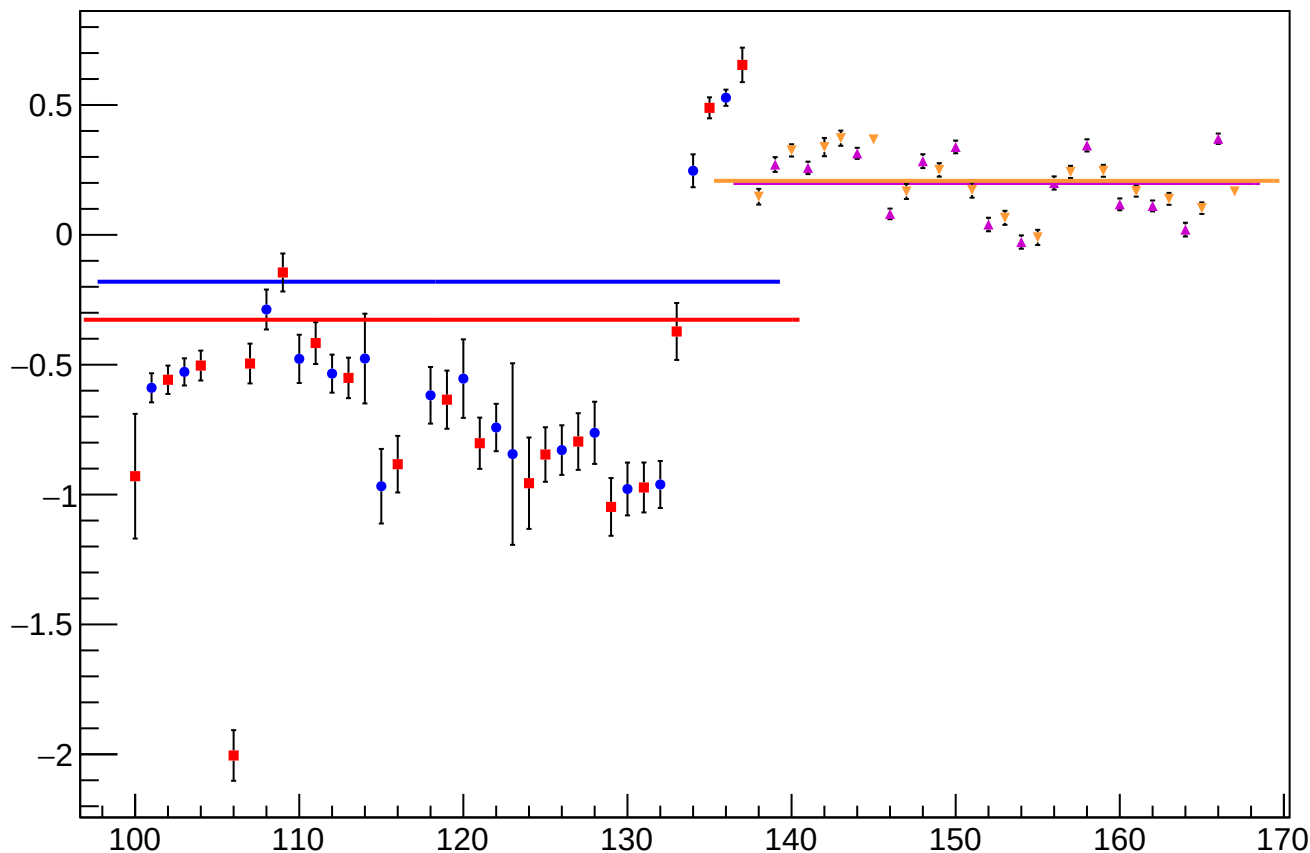
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 32.282 $\pm$ 0.122 χ^2 /NDF:5855.1/30

Out: 32.301 $\pm$ 0.119 χ^2 /NDF:5734.7/34

All: 32.292 $\pm$ 0.085 χ^2 /NDF: 11589.8/65

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: 0.200 ± 0.006 χ^2/NDF : 420.2/13

Left: 0.204 ± 0.004 χ^2/NDF : 707.9/29

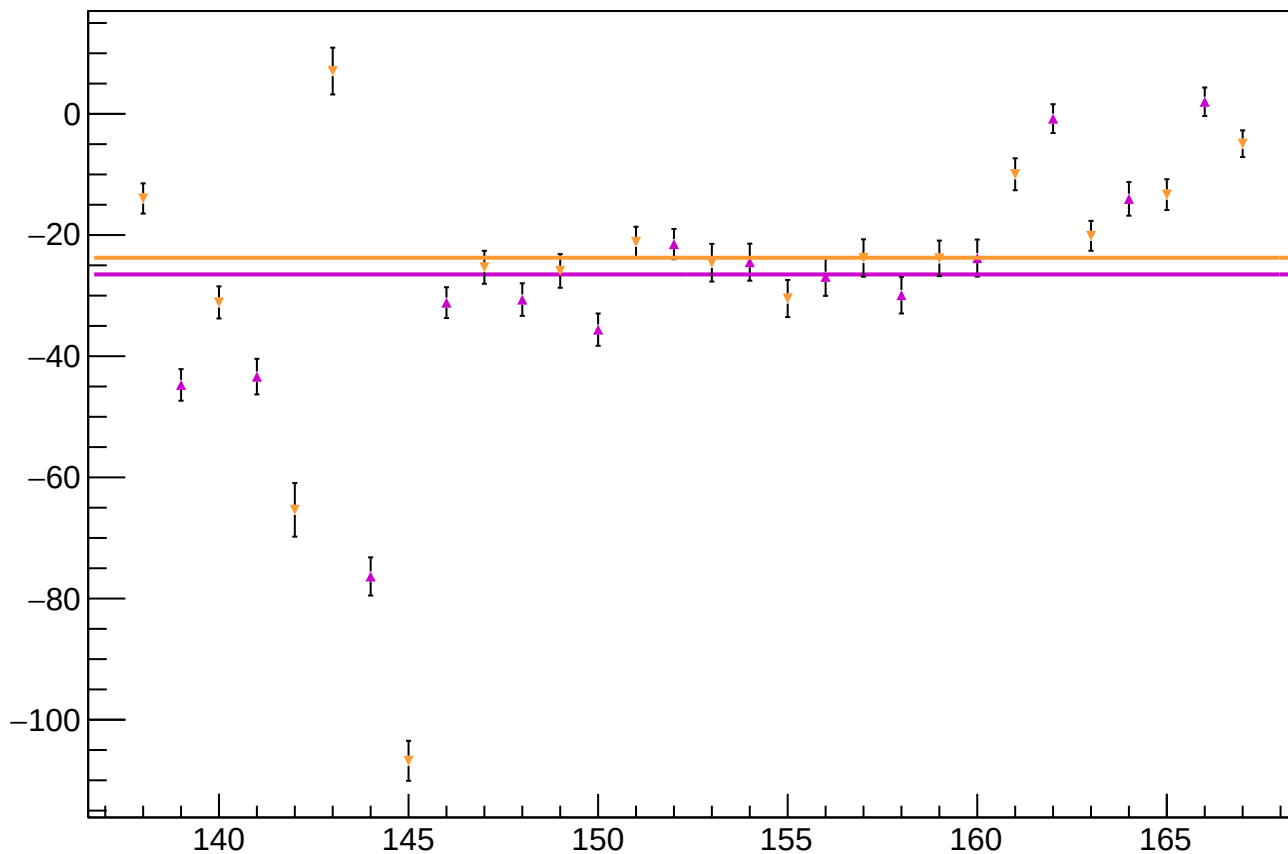
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.157 ± 0.006 χ^2/NDF : 1822.0/30

Out: 0.156 ± 0.006 χ^2/NDF : 2241.6/34

All: 0.156 ± 0.004 χ^2/NDF : 4063.6/65

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



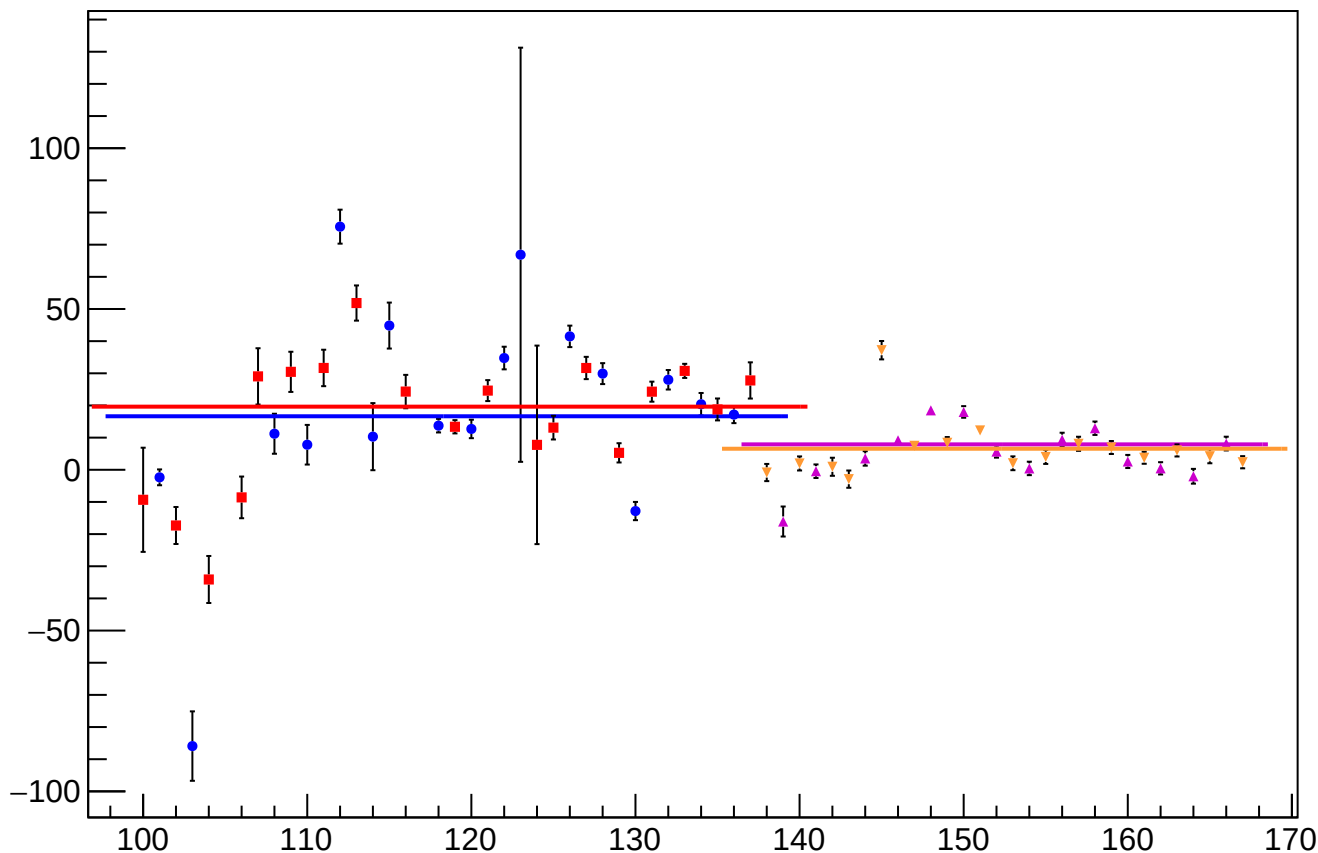
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.746+/-0.701 χ^2/NDF :936.0/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -26.501+/-0.731 χ^2/NDF :639.9/13

Left: -25.065+/-0.506 χ^2/NDF : 1583.2/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.501+/-0.731 χ^2/NDF :639.9/13
 Out: -23.746+/-0.701 χ^2/NDF :936.0/15

All: -25.065+/-0.506 χ^2/NDF : 1583.2/29

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 6.543 ± 0.495 $\chi^2/\text{NDF}: 175.8/15$

Right Out: 19.632 ± 0.896 $\chi^2/\text{NDF}: 241.7/18$

Left In: 7.903 ± 0.521 $\chi^2/\text{NDF}: 204.4/13$

Left: 7.188 ± 0.359 $\chi^2/\text{NDF}: 383.8/29$

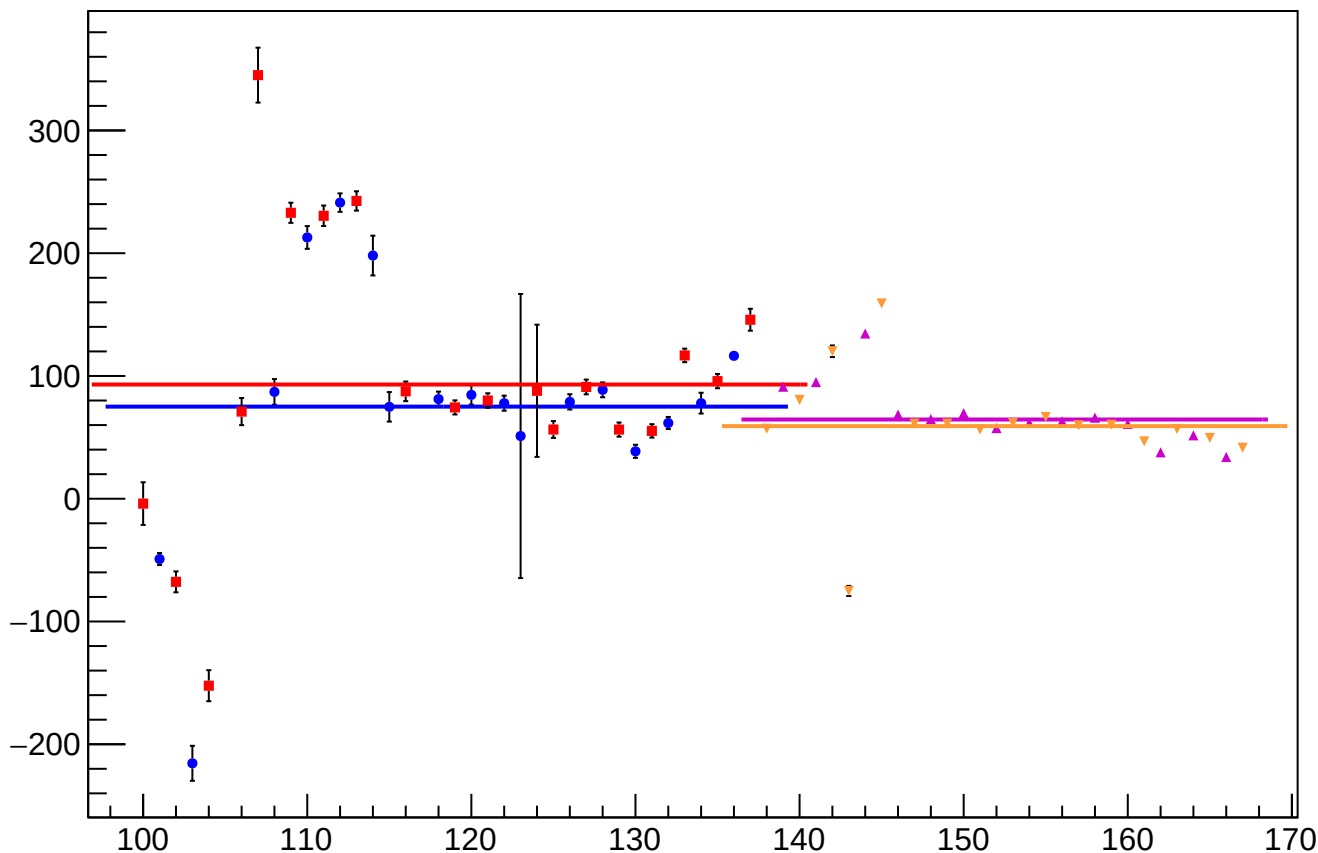
Right: 18.072 ± 0.620 $\chi^2/\text{NDF}: 766.4/35$

In: 10.252 ± 0.445 $\chi^2/\text{NDF}: 799.1/30$

Out: 9.600 ± 0.433 $\chi^2/\text{NDF}: 581.0/34$

All: 9.917 ± 0.310 $\chi^2/\text{NDF}: 1381.1/65$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 59.145 $\pm$ 0.687 χ^2 /NDF: 2246.1/15

Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

Left In: 64.543 $\pm$ 0.712 χ^2 /NDF: 957.1/13

Left: 61.750 $\pm$ 0.494 χ^2 /NDF: 3233.0/29

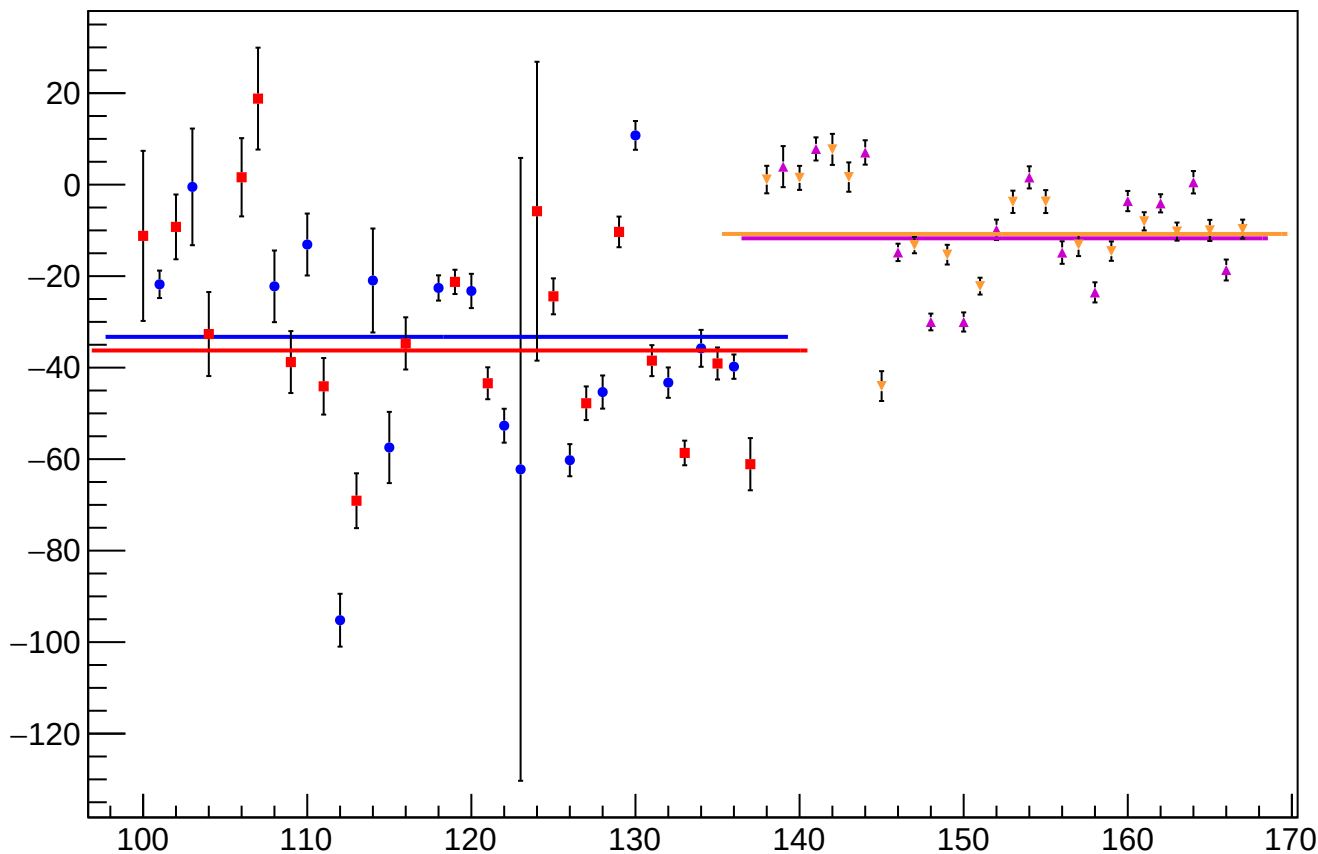
Right: 83.683 $\pm$ 1.187 χ^2 /NDF: 4060.7/35

In: 66.194 $\pm$ 0.653 χ^2 /NDF: 2991.0/30

Out: 63.852 $\pm$ 0.638 χ^2 /NDF: 4587.3/34

All: 64.995 $\pm$ 0.456 χ^2 /NDF: 7584.8/65

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: -11.735 ± 0.607 $\chi^2/\text{NDF}: 424.7/13$

Left: -11.231 ± 0.419 $\chi^2/\text{NDF}: 679.4/29$

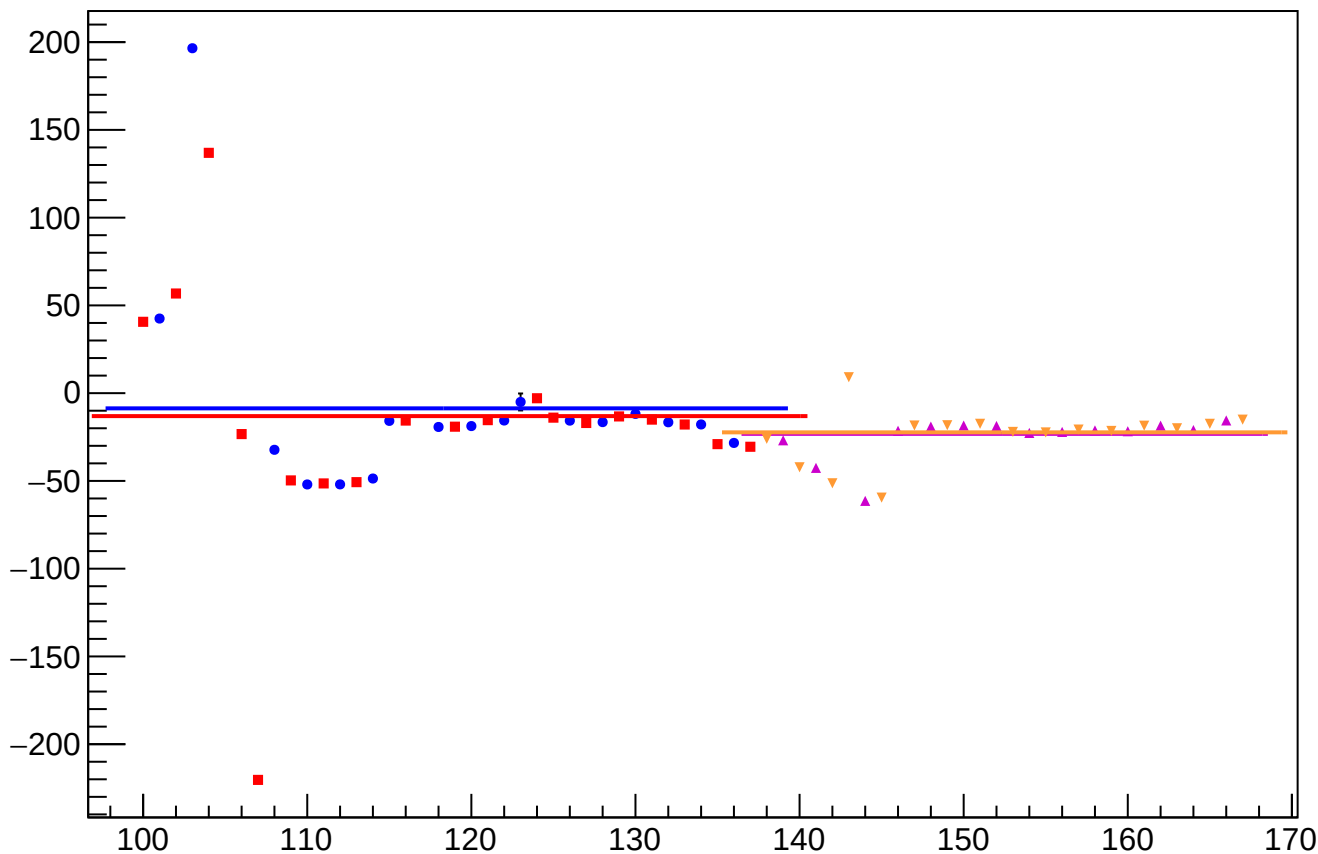
Right: -34.699 ± 0.709 $\chi^2/\text{NDF}: 791.4/35$

In: -17.694 ± 0.517 $\chi^2/\text{NDF}: 1262.1/30$

Out: -16.926 ± 0.503 $\chi^2/\text{NDF}: 1020.5/34$

All: -17.300 ± 0.360 $\chi^2/\text{NDF}: 2283.7/65$

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: -23.191 ± 0.028 $\chi^2/\text{NDF}: 106812.6/13$

Left: -22.744 ± 0.020 $\chi^2/\text{NDF}: 285503.0/29$

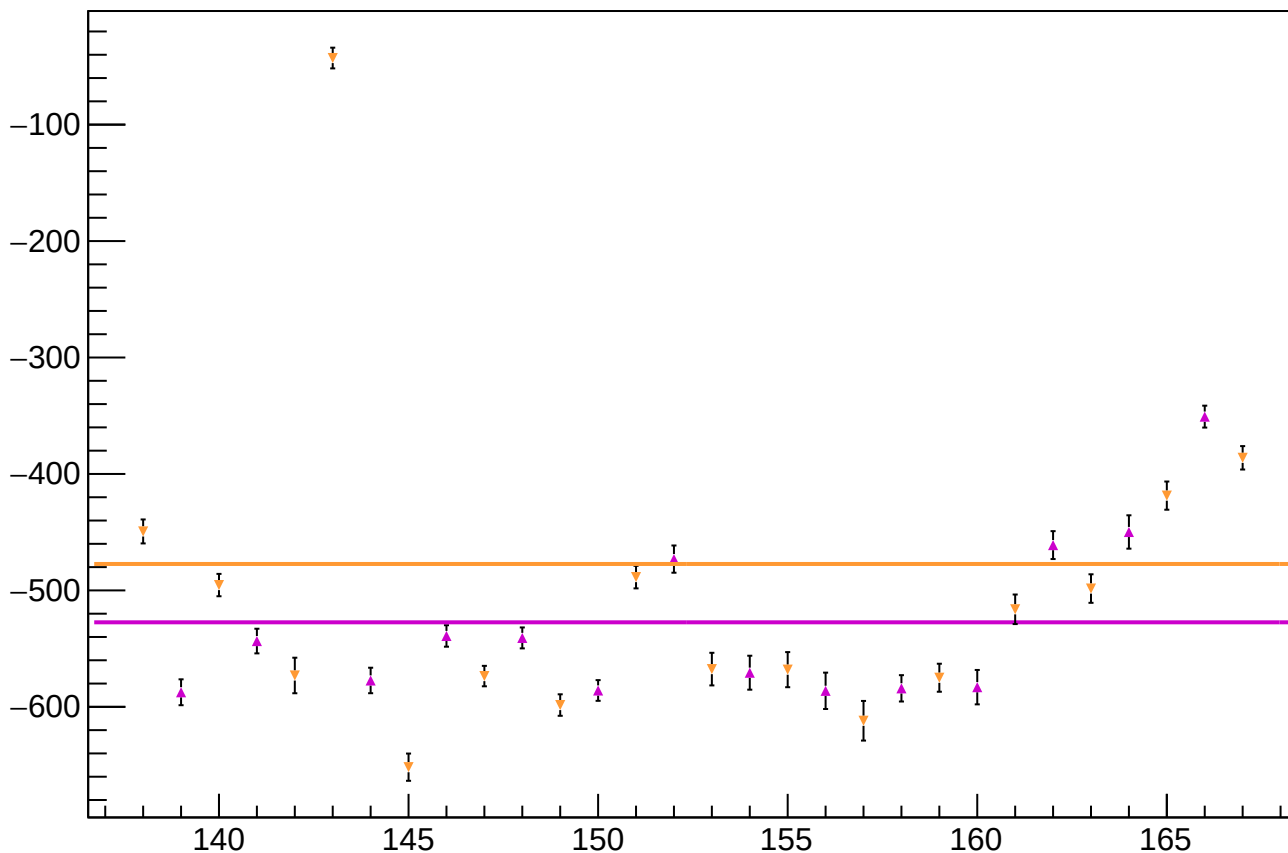
Right: -10.767 ± 0.043 $\chi^2/\text{NDF}: 1136731.7/35$

In: -20.506 ± 0.025 $\chi^2/\text{NDF}: 731890.2/30$

Out: -20.841 ± 0.025 $\chi^2/\text{NDF}: 755313.8/34$

All: -20.678 ± 0.018 $\chi^2/\text{NDF}: 1487293.0/65$

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: -527.405 ± 2.964 χ^2/NDF : 595.9/13

Left: -500.756 ± 2.028 χ^2/NDF : 4022.6/29

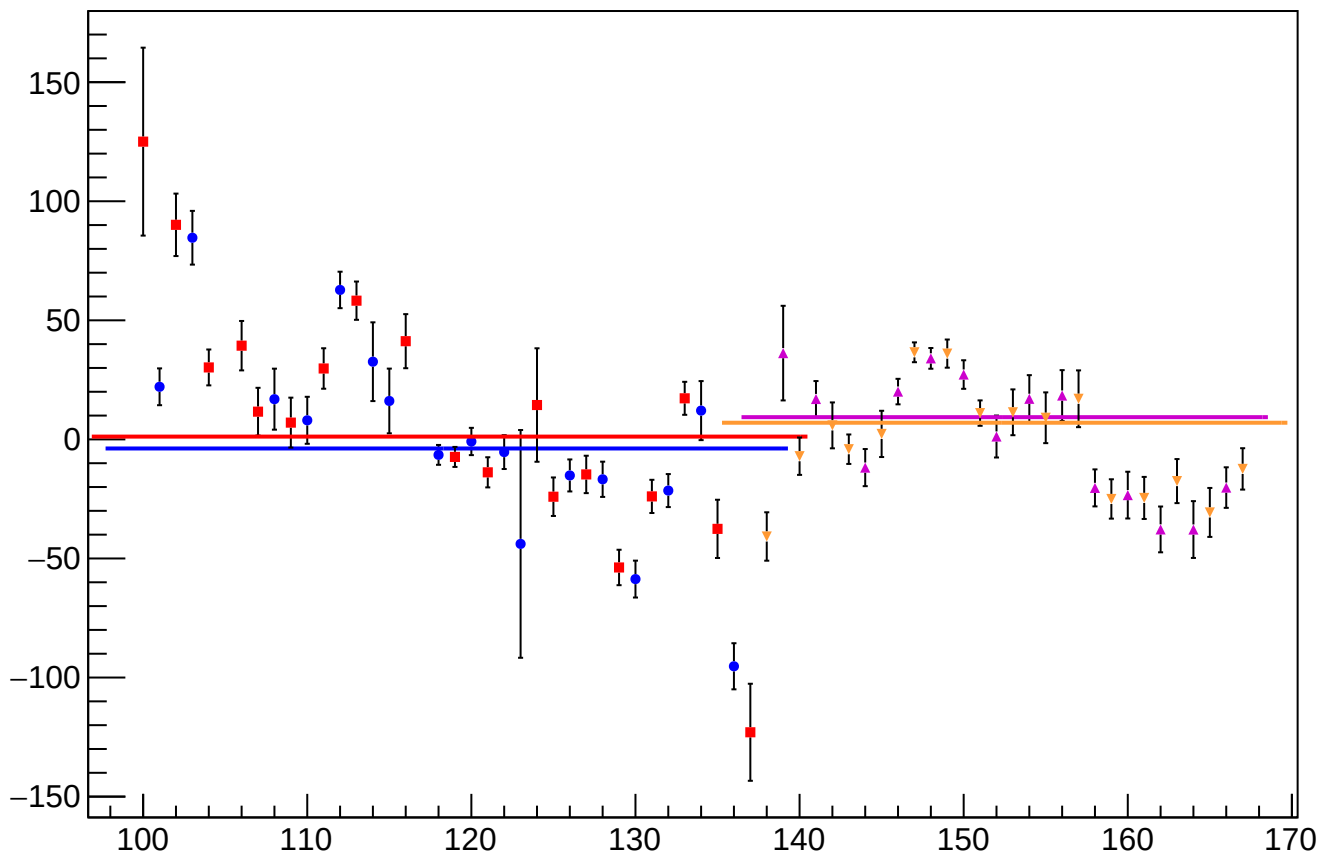
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -527.405 ± 2.964 χ^2/NDF : 595.9/13

Out: -477.304 ± 2.781 χ^2/NDF : 3274.7/15

All: -500.756 ± 2.028 χ^2/NDF : 4022.6/29

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: 9.336 ± 2.031 χ^2/NDF : 135.0/13

Left: 8.076 ± 1.379 χ^2/NDF : 293.8/29

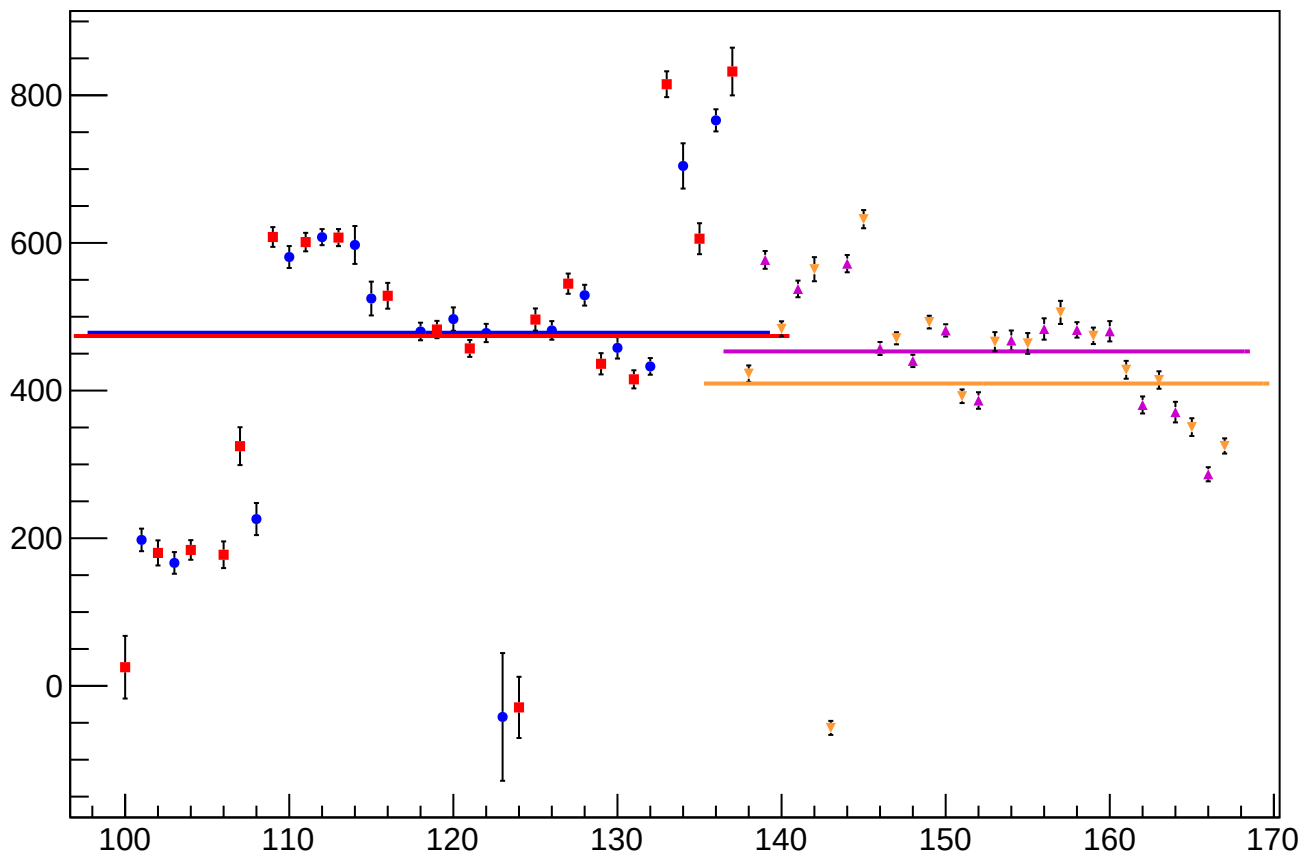
Right: -1.308 ± 1.356 χ^2/NDF : 621.6/35

In: 2.401 ± 1.396 χ^2/NDF : 471.4/30

Out: 4.141 ± 1.341 χ^2/NDF : 466.7/34

All: 3.306 ± 0.967 χ^2/NDF : 938.9/65

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 409.555 $\pm$ 2.747 χ^2 /NDF:3233.9/15

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

Left In: 453.043 $\pm$ 2.890 χ^2 /NDF:708.0/13

Left: 430.197 $\pm$ 1.991 χ^2 /NDF: 4060.9/29

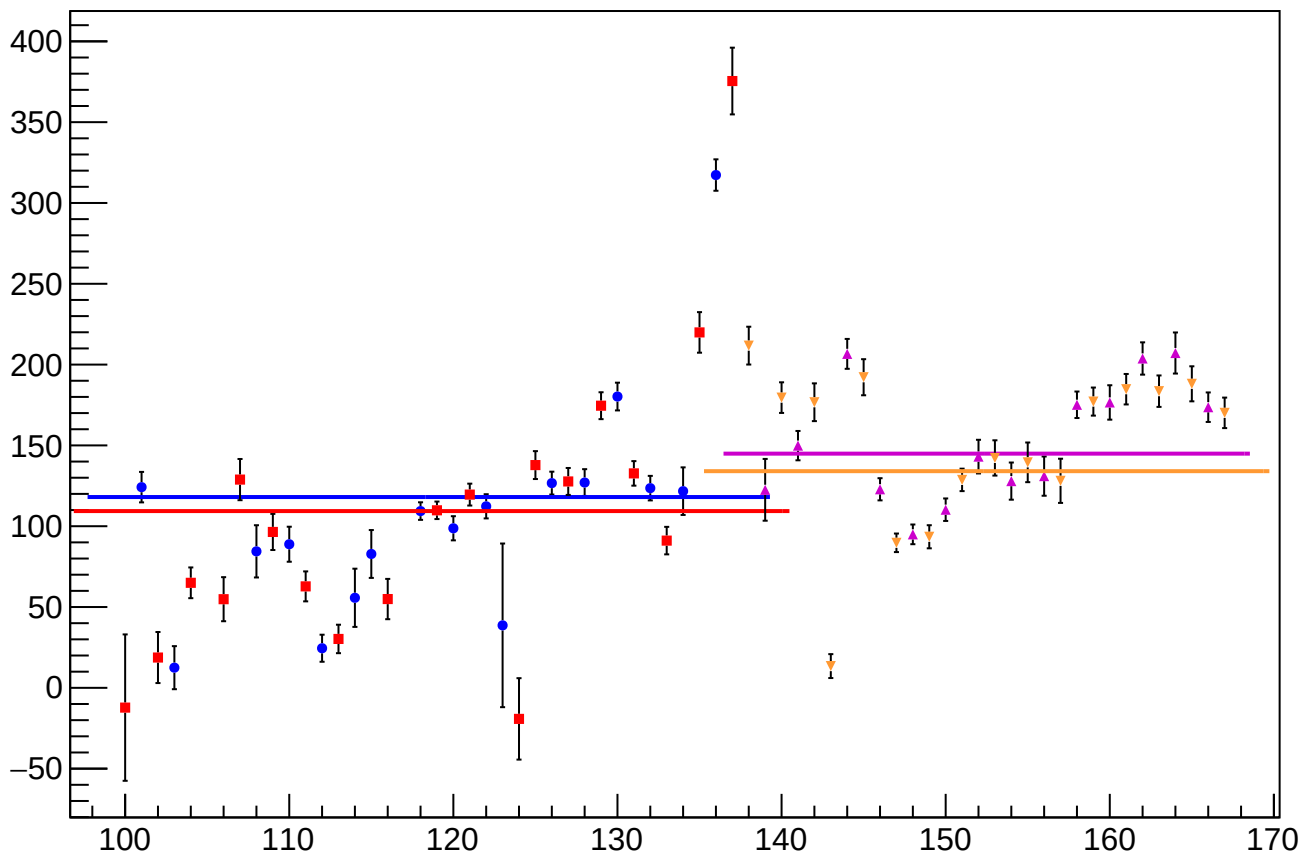
Right: 476.038 $\pm$ 2.542 χ^2 /NDF: 3914.6/35

In: 462.750 $\pm$ 2.269 χ^2 /NDF:2366.3/30

Out: 433.819 $\pm$ 2.168 χ^2 /NDF:5725.8/34

All: 447.630 $\pm$ 1.568 χ^2 /NDF: 8177.0/65

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: 144.903 $\pm$ 2.419 χ^2 /NDF: 243.2/13

Left: 139.082 $\pm$ 1.647 χ^2 /NDF: 839.8/29

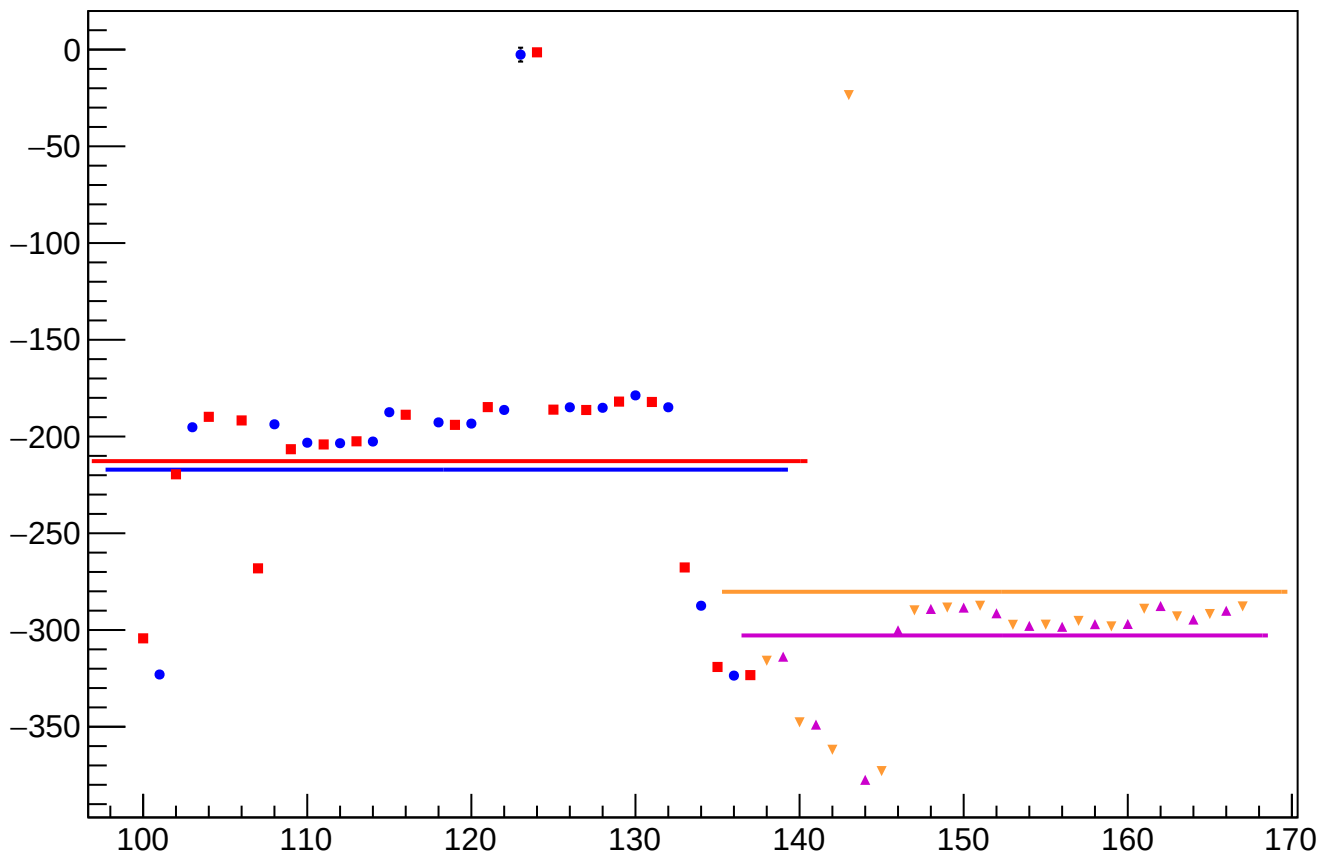
Right: 113.671 $\pm$ 1.566 χ^2 /NDF: 1282.8/35

In: 130.362 $\pm$ 1.638 χ^2 /NDF: 1015.3/30

Out: 121.474 $\pm$ 1.574 χ^2 /NDF: 1217.1/34

All: 125.742 $\pm$ 1.135 χ^2 /NDF: 2247.7/65

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: -302.814 ± 0.116 $\chi^2/\text{NDF}: 38691.7/13$

Left: -290.973 ± 0.080 $\chi^2/\text{NDF}: 604392.2/29$

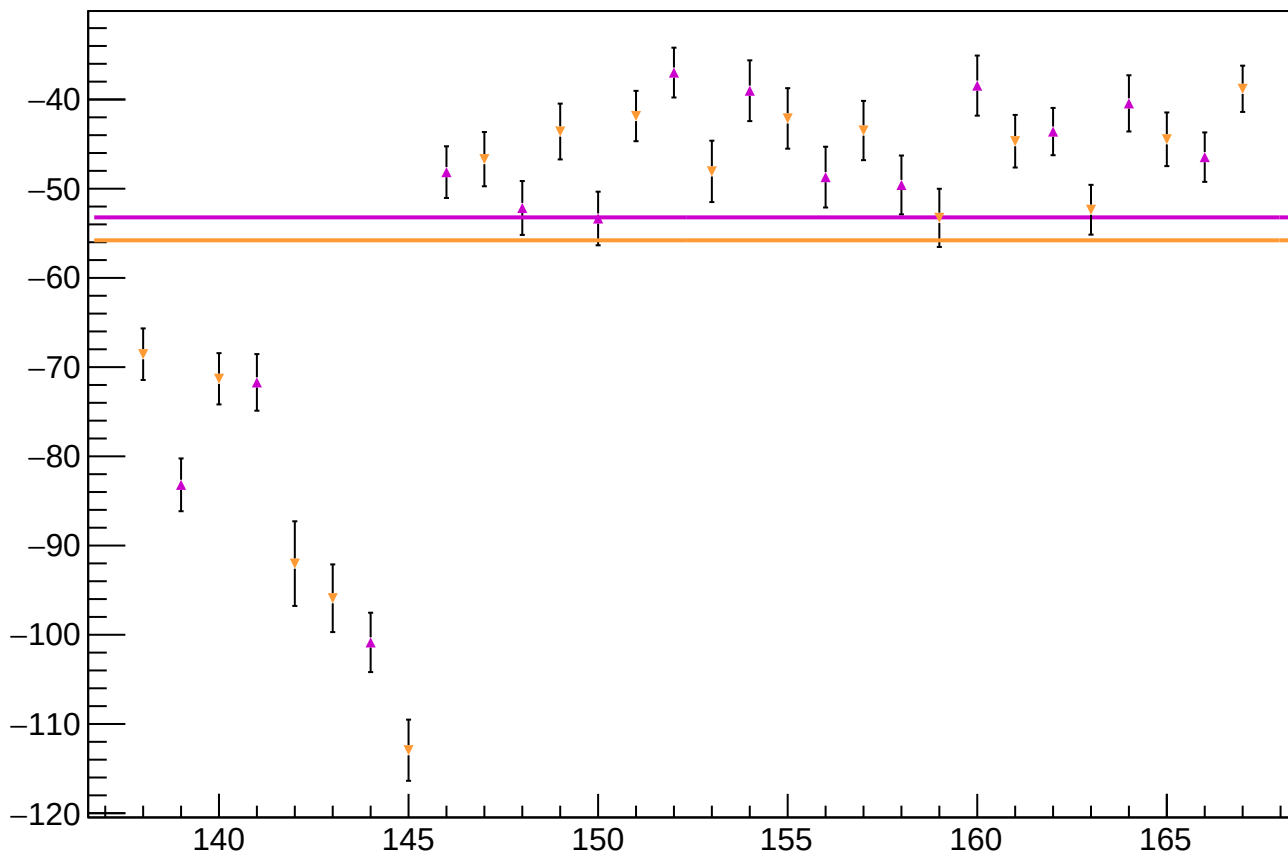
Right: -214.812 ± 0.094 $\chi^2/\text{NDF}: 262670.9/35$

In: -266.792 ± 0.089 $\chi^2/\text{NDF}: 413449.3/30$

Out: -251.889 ± 0.084 $\chi^2/\text{NDF}: 817598.4/34$

All: -258.979 ± 0.061 $\chi^2/\text{NDF}: 1245897.8/65$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



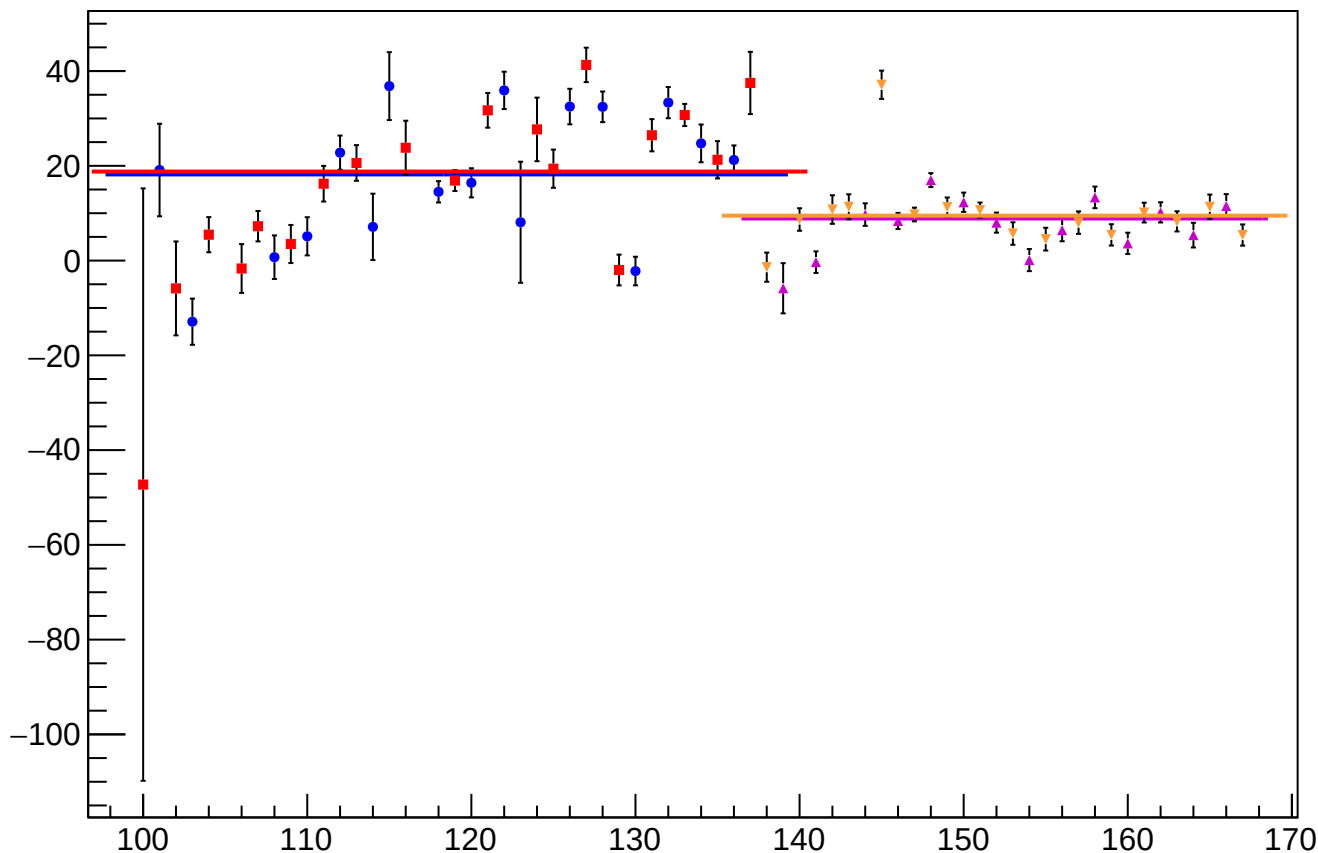
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -55.785+/-0.782 χ^2/NDF :653.7/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -53.214+/-0.817 χ^2/NDF :453.8/13

Left: -54.556+/-0.565 χ^2/NDF : 1112.6/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.214+/-0.817 χ^2/NDF :453.8/13
 Out: -55.785+/-0.782 χ^2/NDF :653.7/15

All: -54.556+/-0.565 χ^2/NDF : 1112.6/29

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: 8.881 ± 0.582 χ^2/NDF : 85.5/13

Left: 9.199 ± 0.400 χ^2/NDF : 201.3/29

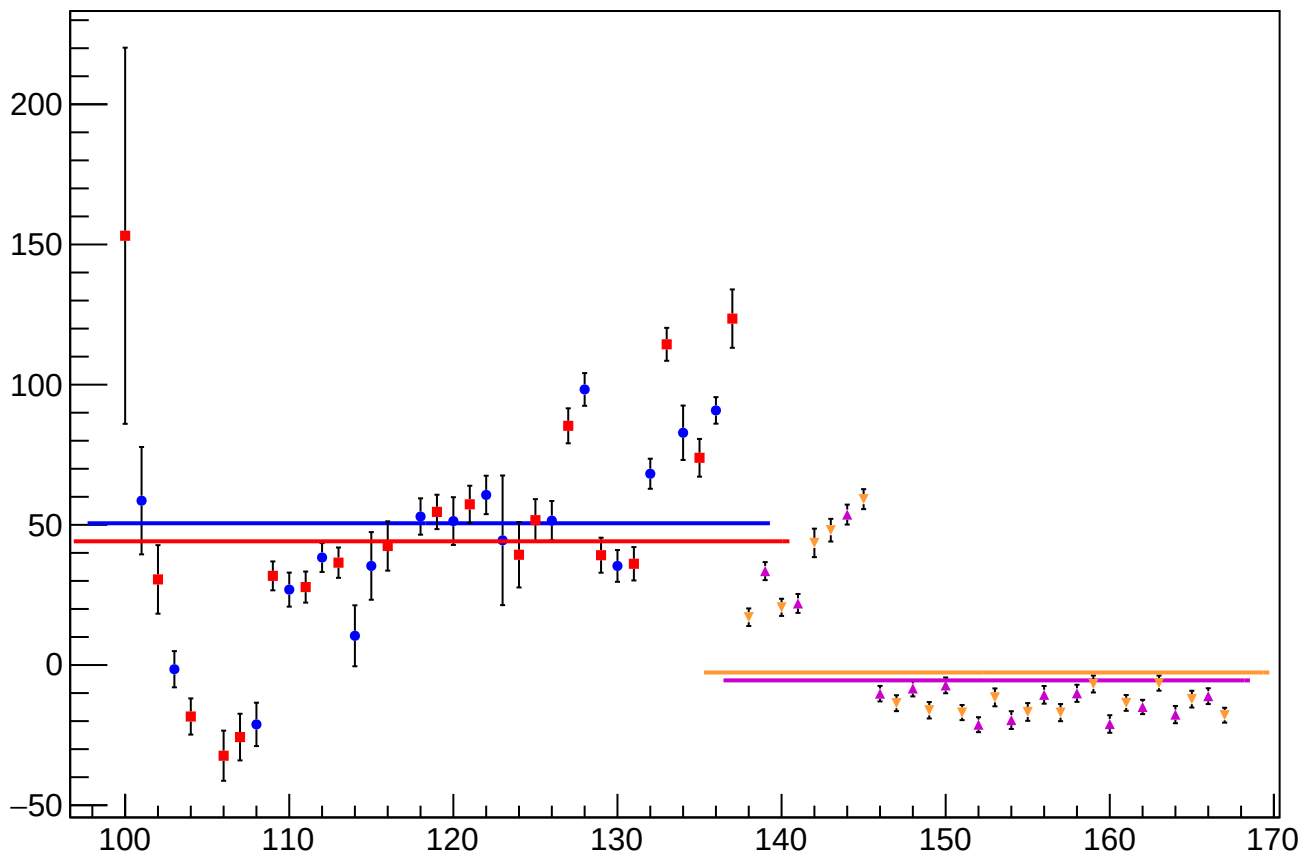
Right: 18.508 ± 0.628 χ^2/NDF : 403.9/35

In: 11.550 ± 0.491 χ^2/NDF : 363.8/30

Out: 12.181 ± 0.464 χ^2/NDF : 396.7/34

All: 11.883 ± 0.337 χ^2/NDF : 761.4/65

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: -2.665 $\pm$ 0.768 χ^2 /NDF: 813.8/15

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

Left In: -5.474 $\pm$ 0.796 χ^2 /NDF: 612.7/13

Left: -4.020 $\pm$ 0.552 χ^2 /NDF: 1432.9/29

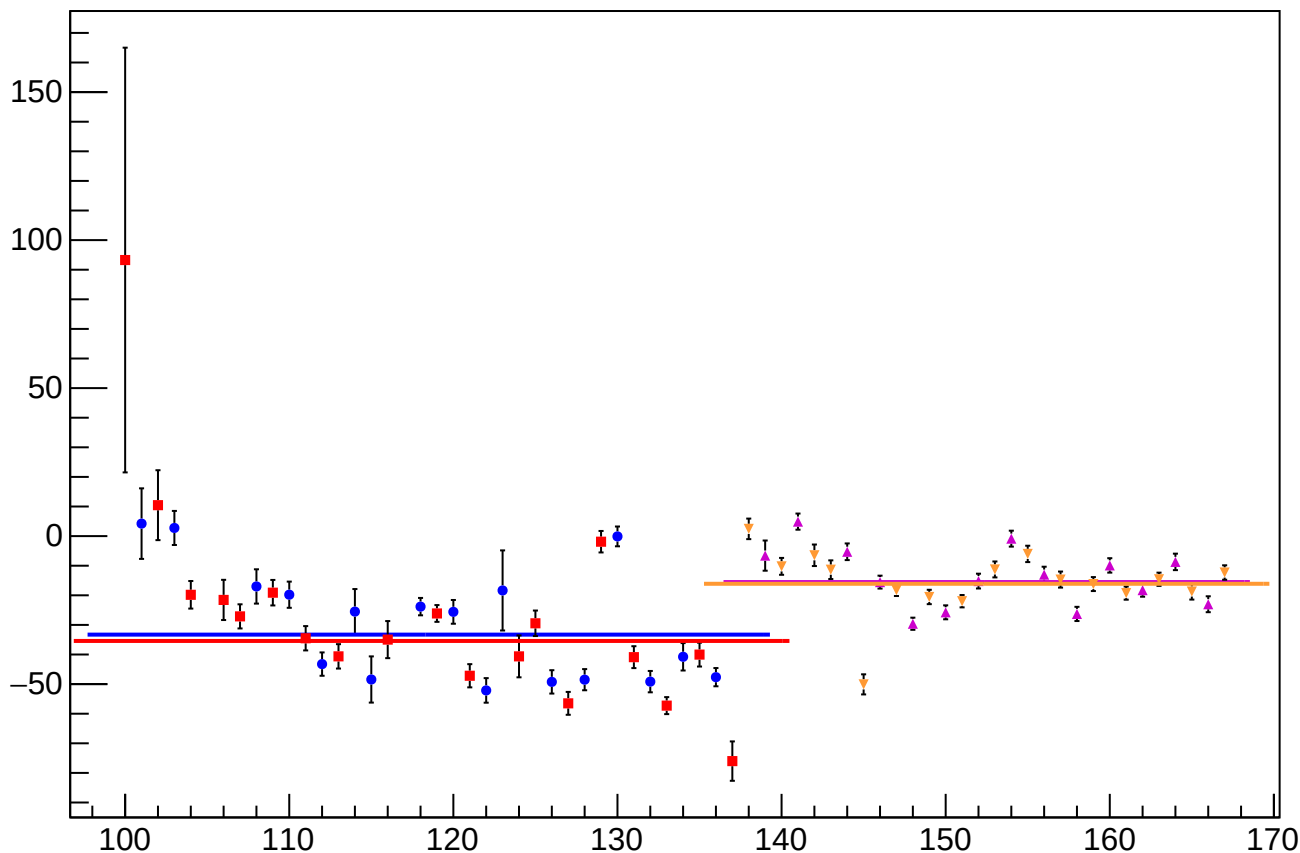
Right: 47.201 $\pm$ 1.159 χ^2 /NDF: 898.2/35

In: 4.814 $\pm$ 0.719 χ^2 /NDF: 1881.6/30

Out: 6.071 $\pm$ 0.692 χ^2 /NDF: 2039.9/34

All: 5.466 $\pm$ 0.499 χ^2 /NDF: 3923.1/65

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 $\chi^2/\text{NDF}: 290.1/16$

Left Out: -16.106 ± 0.644 $\chi^2/\text{NDF}: 177.3/15$

Right Out: -35.417 ± 0.991 $\chi^2/\text{NDF}: 289.7/18$

Left In: -15.528 ± 0.678 $\chi^2/\text{NDF}: 209.4/13$

Left: -15.831 ± 0.467 $\chi^2/\text{NDF}: 387.1/29$

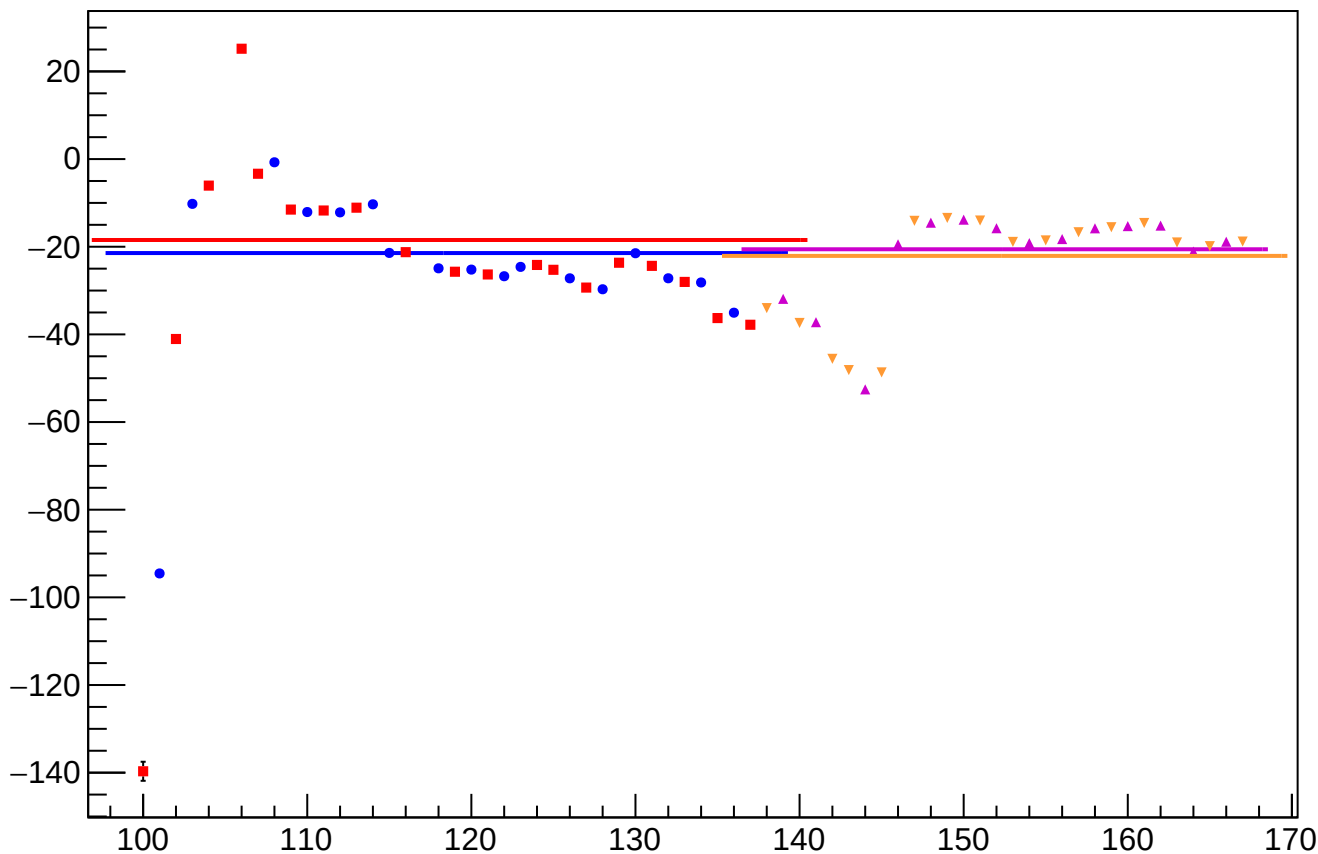
Right: -34.404 ± 0.719 $\chi^2/\text{NDF}: 582.0/35$

In: -20.795 ± 0.568 $\chi^2/\text{NDF}: 703.1/30$

Out: -21.838 ± 0.540 $\chi^2/\text{NDF}: 733.9/34$

All: -21.343 ± 0.392 $\chi^2/\text{NDF}: 1438.8/65$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -22.091 ± 0.030 $\chi^2/\text{NDF}: 125985.1/15$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

Left In: -20.578 ± 0.031 $\chi^2/\text{NDF}: 82871.3/13$

Left: -21.364 ± 0.022 $\chi^2/\text{NDF}: 210063.2/29$

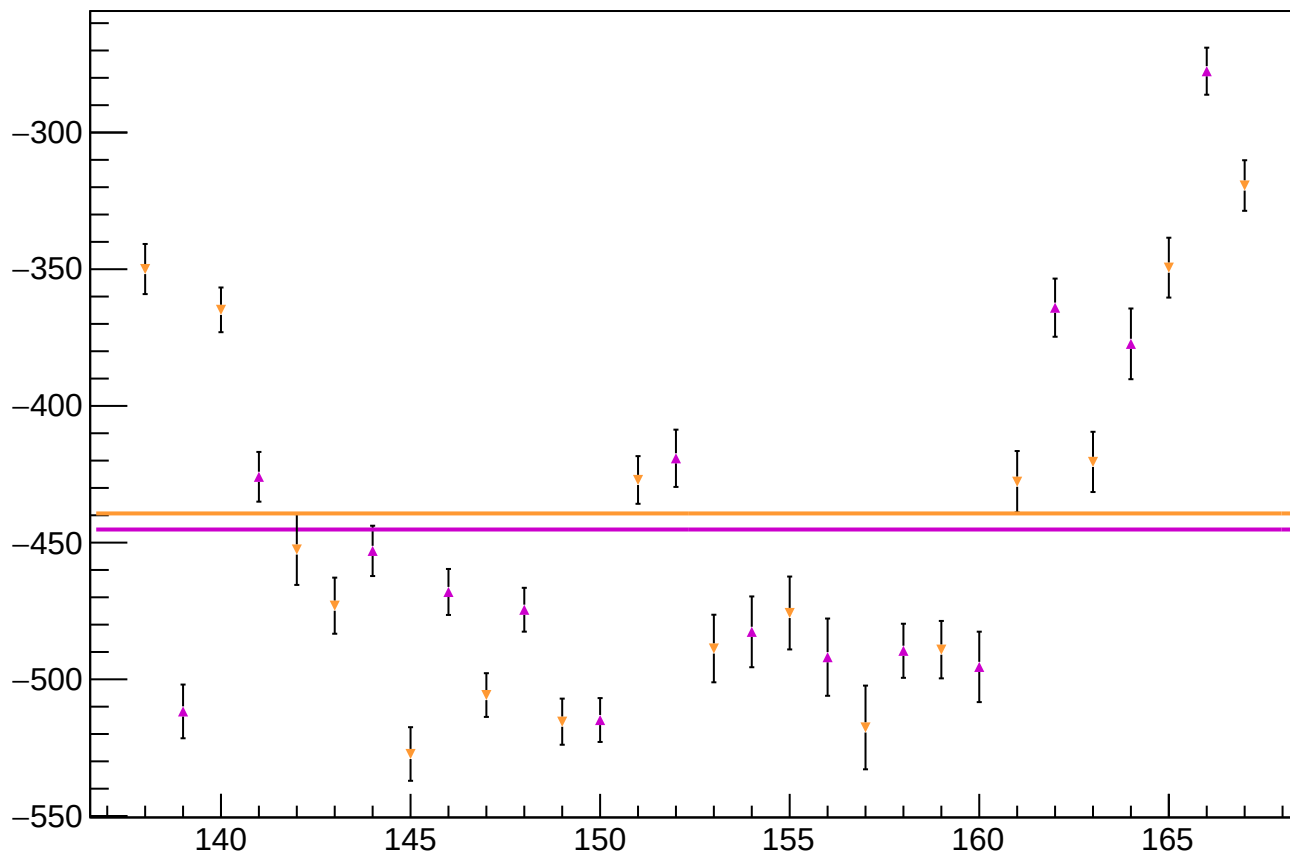
Right: -19.914 ± 0.041 $\chi^2/\text{NDF}: 130751.2/35$

In: -20.769 ± 0.028 $\chi^2/\text{NDF}: 132007.2/30$

Out: -21.305 ± 0.027 $\chi^2/\text{NDF}: 209584.9/34$

All: -21.047 ± 0.019 $\chi^2/\text{NDF}: 341786.0/65$

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: -445.204+/-2.634 χ^2/NDF : 673.3/13

Left: -442.137+/-1.821 χ^2/NDF : 1410.5/29

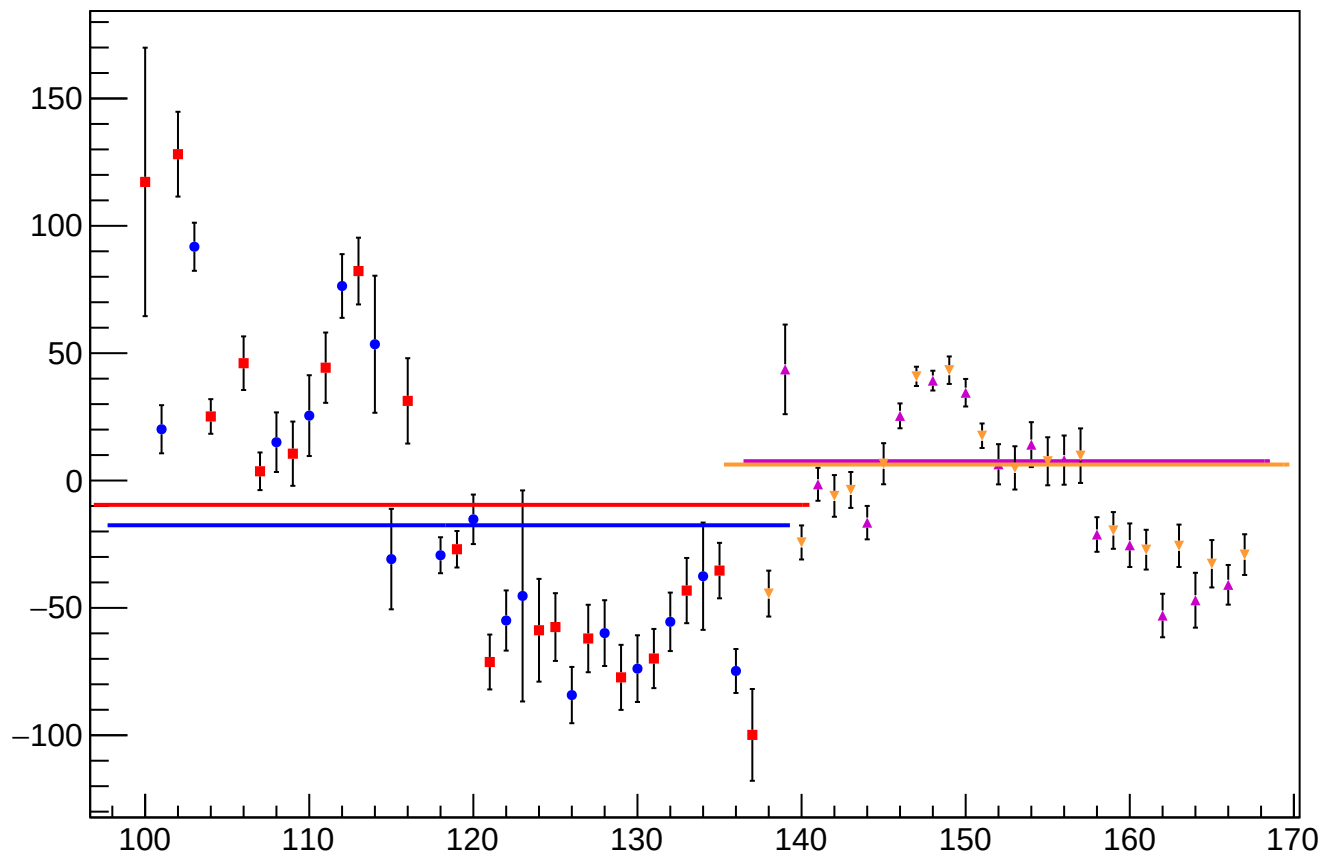
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -445.204+/-2.634 χ^2/NDF : 673.3/13

Out: -439.327+/-2.522 χ^2/NDF : 734.6/15

All: -442.137+/-1.821 χ^2/NDF : 1410.5/29

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: 7.588 ± 1.806 χ^2/NDF : 272.3/13

Left: 6.898 ± 1.240 χ^2/NDF : 548.6/29

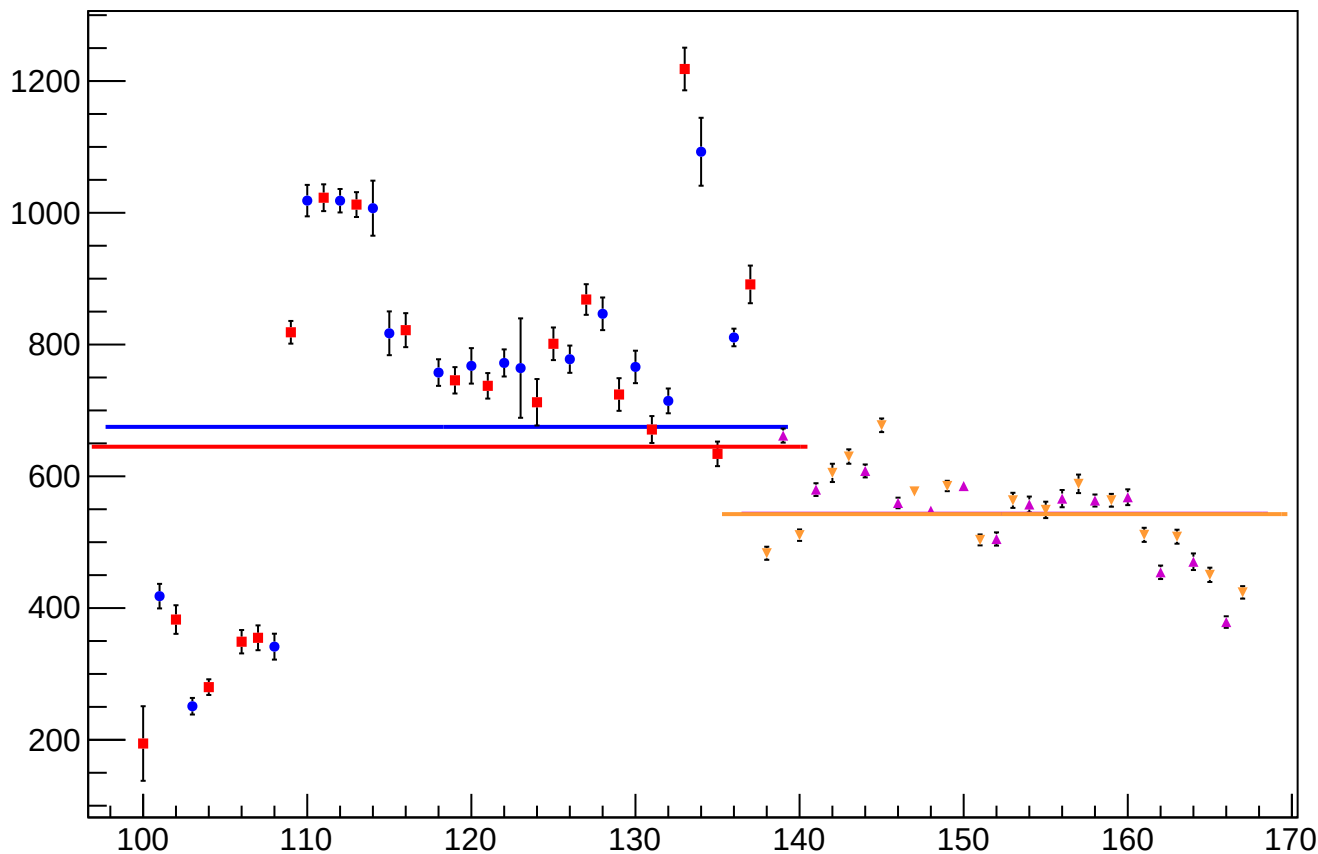
Right: -13.243 ± 1.915 χ^2/NDF : 738.4/35

In: 0.273 ± 1.521 χ^2/NDF : 692.4/30

Out: 1.539 ± 1.428 χ^2/NDF : 672.2/34

All: 0.946 ± 1.041 χ^2/NDF : 1364.9/65

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 542.615 $\pm$ 2.488 χ^2 /NDF:643.1/15

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

Left In: 543.236 $\pm$ 2.571 χ^2 /NDF:706.9/13

Left: 542.915 $\pm$ 1.788 χ^2 /NDF: 1350.0/29

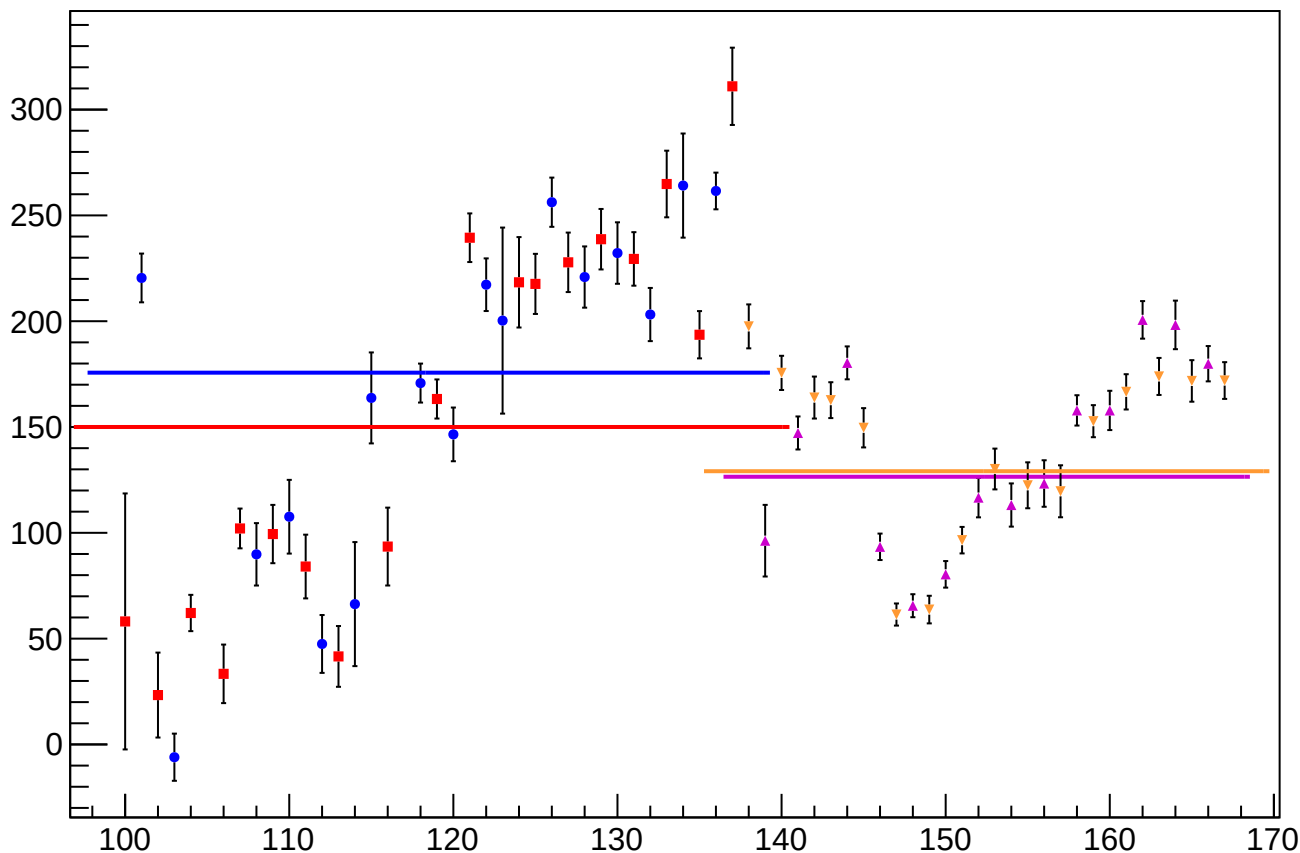
Right: 659.042 $\pm$ 3.470 χ^2 /NDF: 5725.3/35

In: 570.221 $\pm$ 2.293 χ^2 /NDF:3829.3/30

Out: 564.555 $\pm$ 2.205 χ^2 /NDF:4127.9/34

All: 567.277 $\pm$ 1.589 χ^2 /NDF: 7960.3/65

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: 126.498 $\pm$ 2.150 χ^2 /NDF:449.3/13

Left: 127.875 $\pm$ 1.480 χ^2 /NDF: 955.4/29

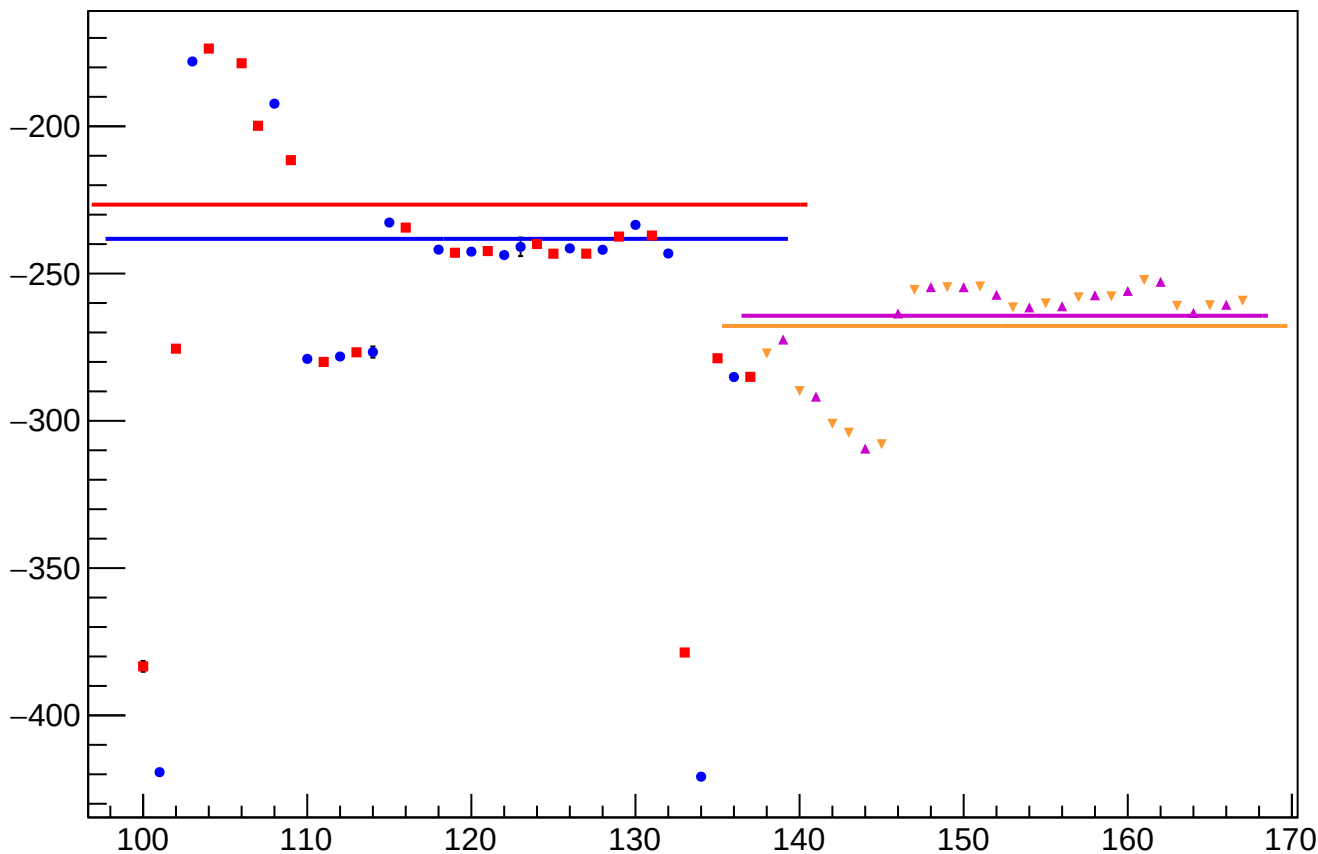
Right: 162.048 $\pm$ 2.217 χ^2 /NDF: 1365.0/35

In: 141.540 $\pm$ 1.791 χ^2 /NDF:1247.3/30

Out: 135.599 $\pm$ 1.694 χ^2 /NDF:1231.6/34

All: 138.405 $\pm$ 1.231 χ^2 /NDF: 2484.7/65

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 $\chi^2/\text{NDF}: 167120.0/16$

Left Out: -267.792 ± 0.100 $\chi^2/\text{NDF}: 32364.6/15$

Right Out: -226.597 ± 0.151 $\chi^2/\text{NDF}: 102562.3/18$

Left In: -264.320 ± 0.103 $\chi^2/\text{NDF}: 20352.3/13$

Left: -266.109 ± 0.072 $\chi^2/\text{NDF}: 53298.7/29$

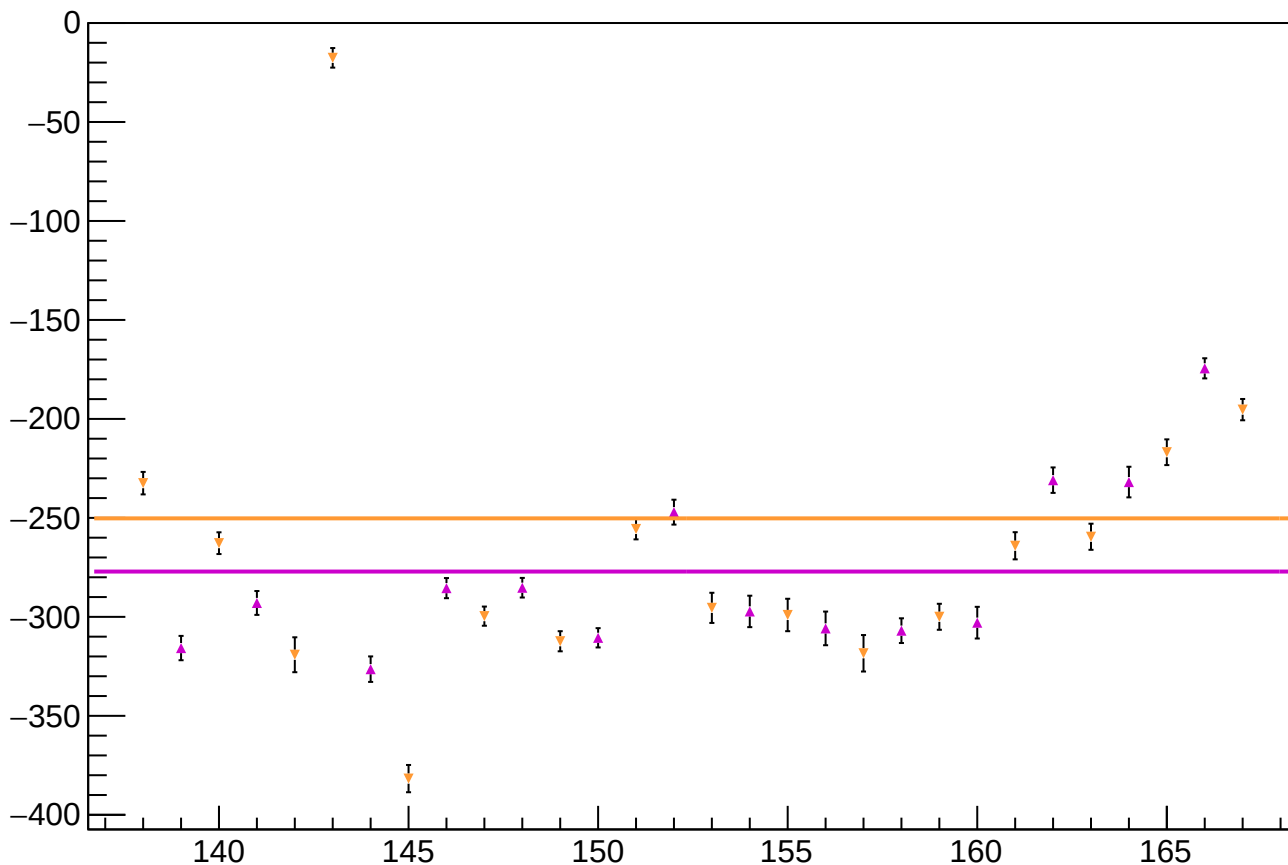
Right: -232.063 ± 0.110 $\chi^2/\text{NDF}: 272459.7/35$

In: -256.665 ± 0.087 $\chi^2/\text{NDF}: 206176.1/30$

Out: -255.220 ± 0.084 $\chi^2/\text{NDF}: 186484.3/34$

All: -255.914 ± 0.060 $\chi^2/\text{NDF}: 392804.3/65$

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: -277.112+/-1.632 χ^2/NDF :724.6/13

Left: -262.828+/-1.117 χ^2/NDF : 4094.8/29

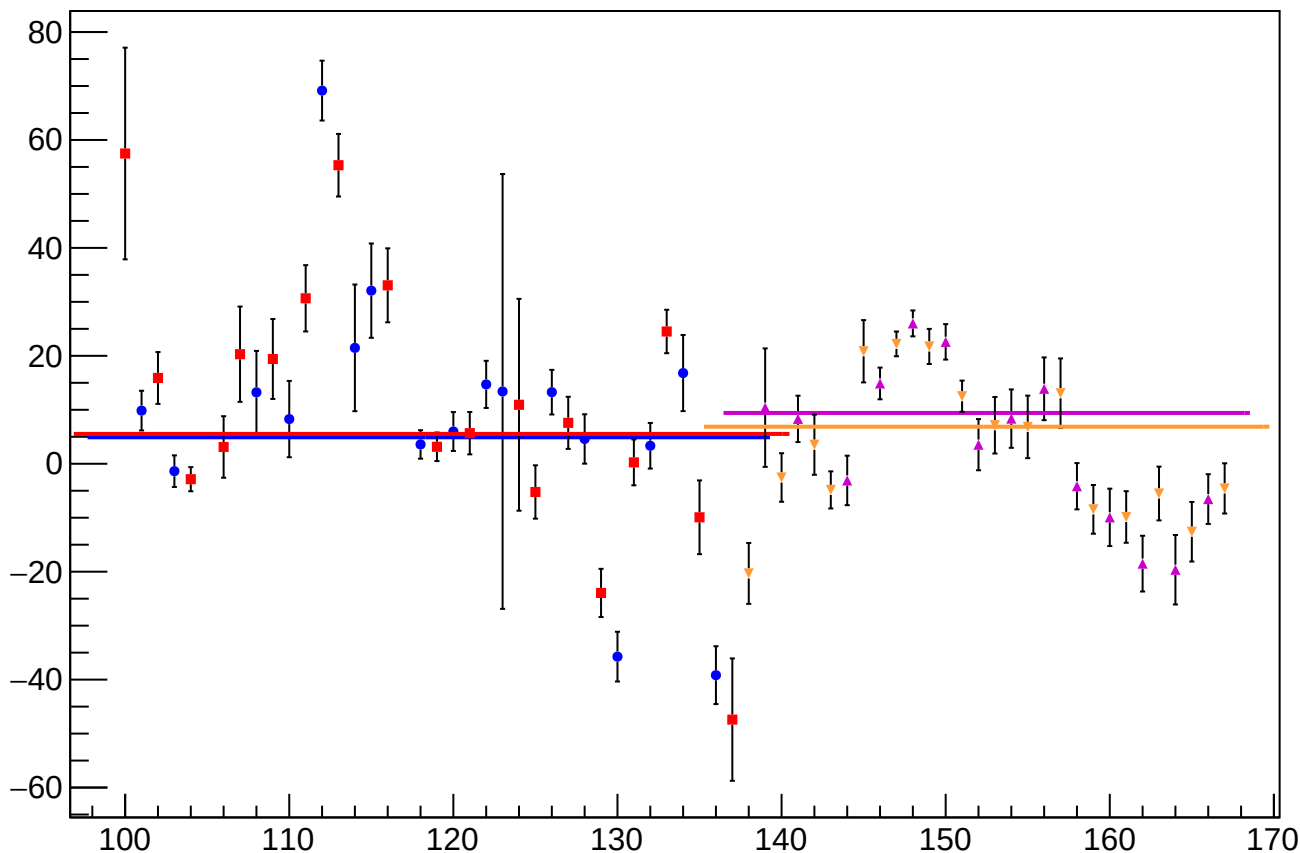
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -277.112+/-1.632 χ^2/NDF :724.6/13

Out: -250.244+/-1.532 χ^2/NDF :3226.2/15

All: -262.828+/-1.117 χ^2/NDF : 4094.8/29

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: 9.416 ± 1.119 $\chi^2/\text{NDF}: 161.9/13$

Left: 8.041 ± 0.760 $\chi^2/\text{NDF}: 328.8/29$

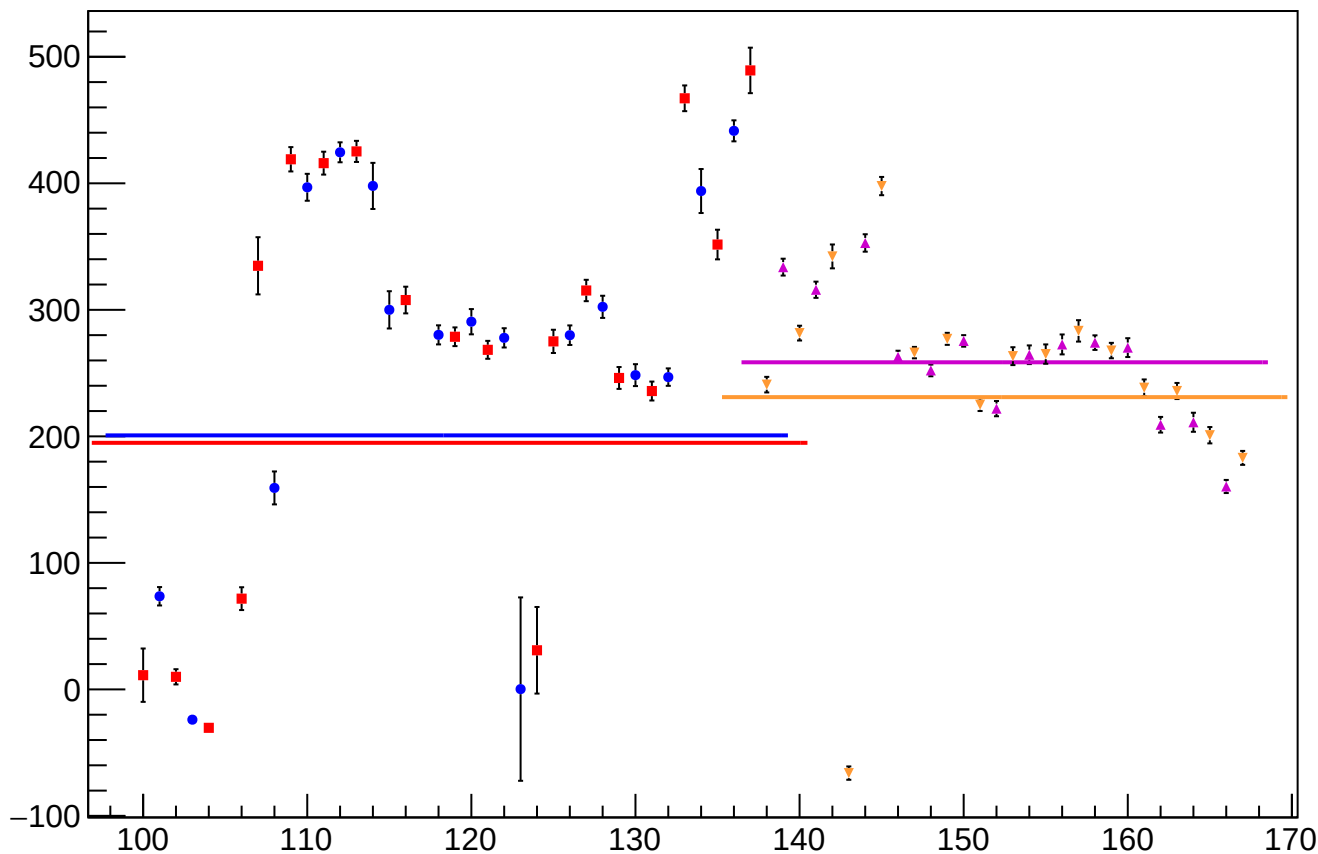
Right: 5.228 ± 0.768 $\chi^2/\text{NDF}: 550.7/35$

In: 7.133 ± 0.786 $\chi^2/\text{NDF}: 481.8/30$

Out: 6.219 ± 0.743 $\chi^2/\text{NDF}: 403.9/34$

All: 6.650 ± 0.540 $\chi^2/\text{NDF}: 886.4/65$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773+/-1.983 χ^2/NDF : 6733.0/16

Left Out: 231.006+/-1.511 χ^2/NDF : 4288.2/15

Right Out: 194.892+/-1.924 χ^2/NDF : 8247.1/18

Left In: 258.541+/-1.589 χ^2/NDF : 923.8/13

Left: 244.079+/-1.095 χ^2/NDF : 5369.6/29

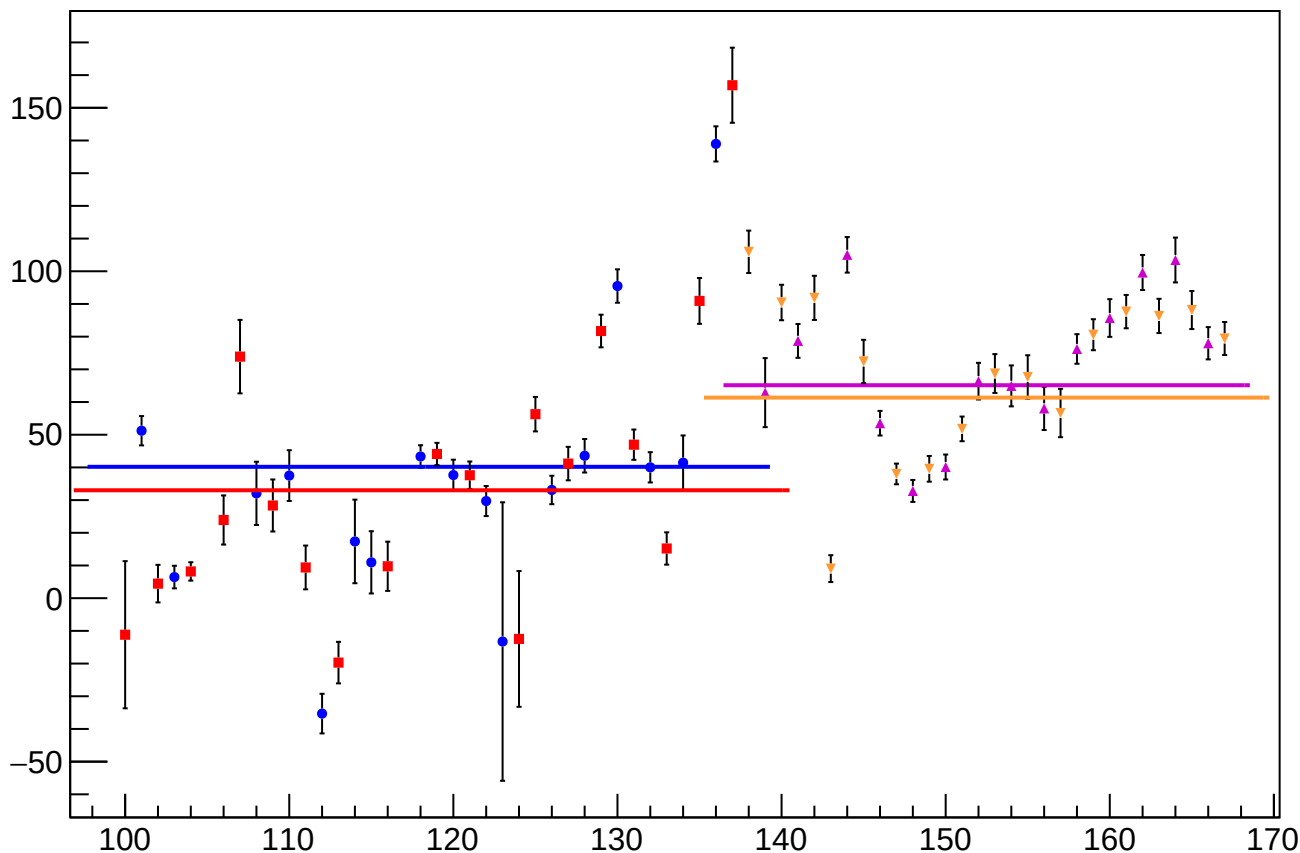
Right: 197.743+/-1.381 χ^2/NDF : 14984.6/35

In: 235.951+/-1.240 χ^2/NDF : 8173.5/30

Out: 217.227+/-1.188 χ^2/NDF : 12753.2/34

All: 226.189+/-0.858 χ^2/NDF : 21045.5/65

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: 65.140 ± 1.331 χ^2/NDF : 305.1/13

Left: 63.108 ± 0.906 χ^2/NDF : 764.9/29

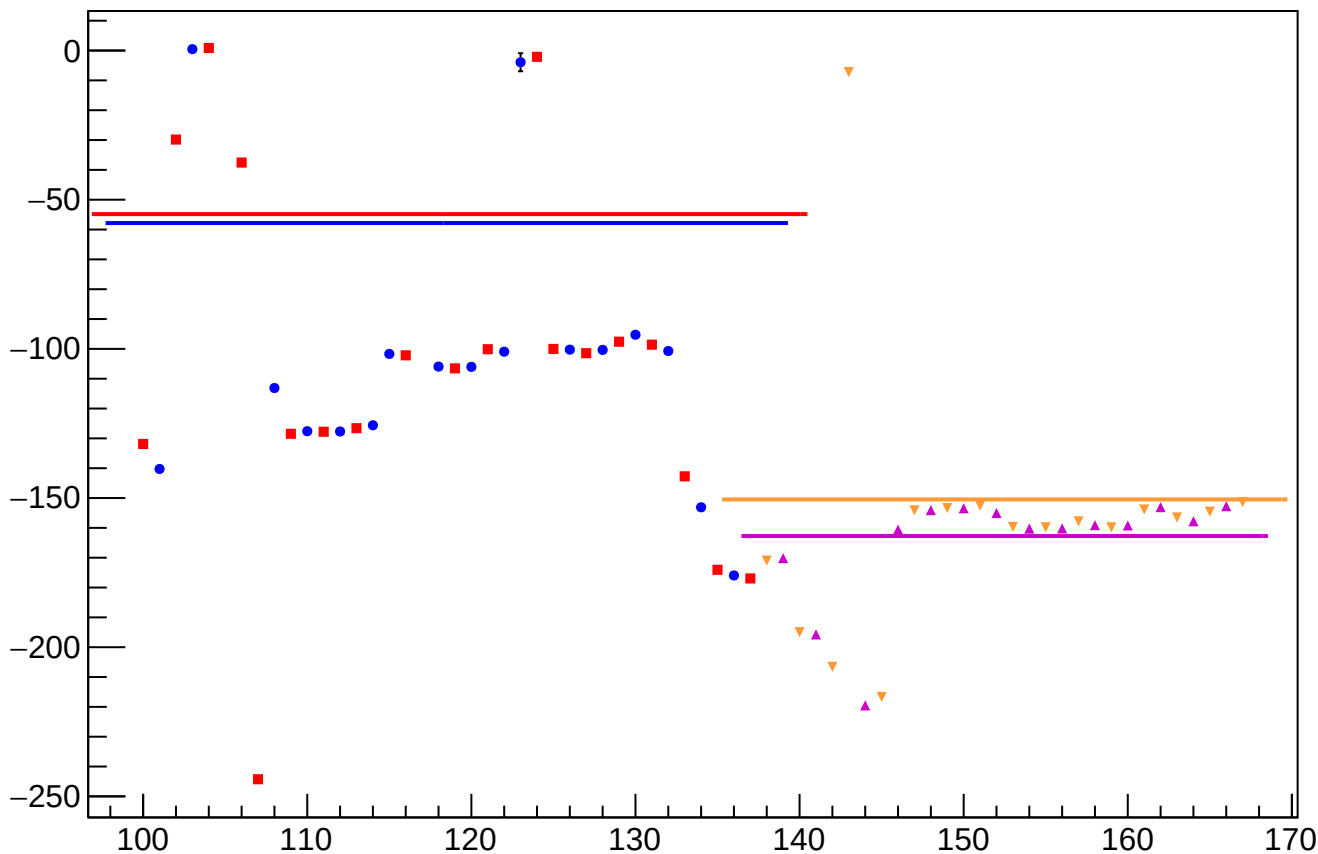
Right: 36.503 ± 0.896 χ^2/NDF : 1303.3/35

In: 52.202 ± 0.924 χ^2/NDF : 1221.8/30

Out: 47.333 ± 0.879 χ^2/NDF : 1268.0/34

All: 49.647 ± 0.637 χ^2/NDF : 2504.4/65

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -150.463 ± 0.061 $\chi^2/\text{NDF}: 579857.9/15$

Right Out: -54.833 ± 0.060 $\chi^2/\text{NDF}: 1000741.7/18$

Left In: -162.730 ± 0.064 $\chi^2/\text{NDF}: 62193.9/13$

Left: -156.295 ± 0.044 $\chi^2/\text{NDF}: 661381.6/29$

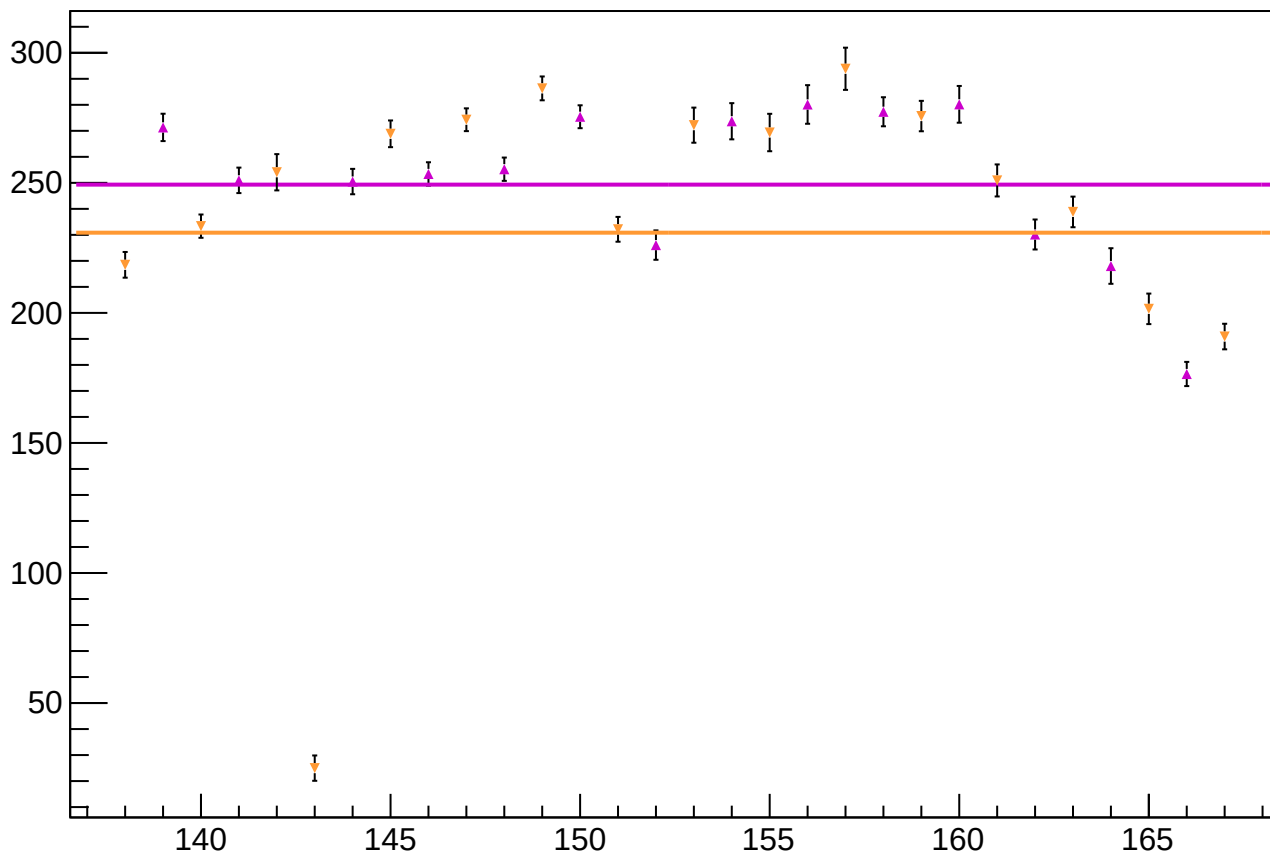
Right: -56.289 ± 0.043 $\chi^2/\text{NDF}: 2103236.7/35$

In: -108.513 ± 0.044 $\chi^2/\text{NDF}: 2556430.8/30$

Out: -102.168 ± 0.043 $\chi^2/\text{NDF}: 2828297.6/34$

All: -105.223 ± 0.031 $\chi^2/\text{NDF}: 5395308.1/65$

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: 249.317+/-1.428 χ^2/NDF :423.1/13

Left: 239.582+/-0.982 χ^2/NDF : 2904.2/29

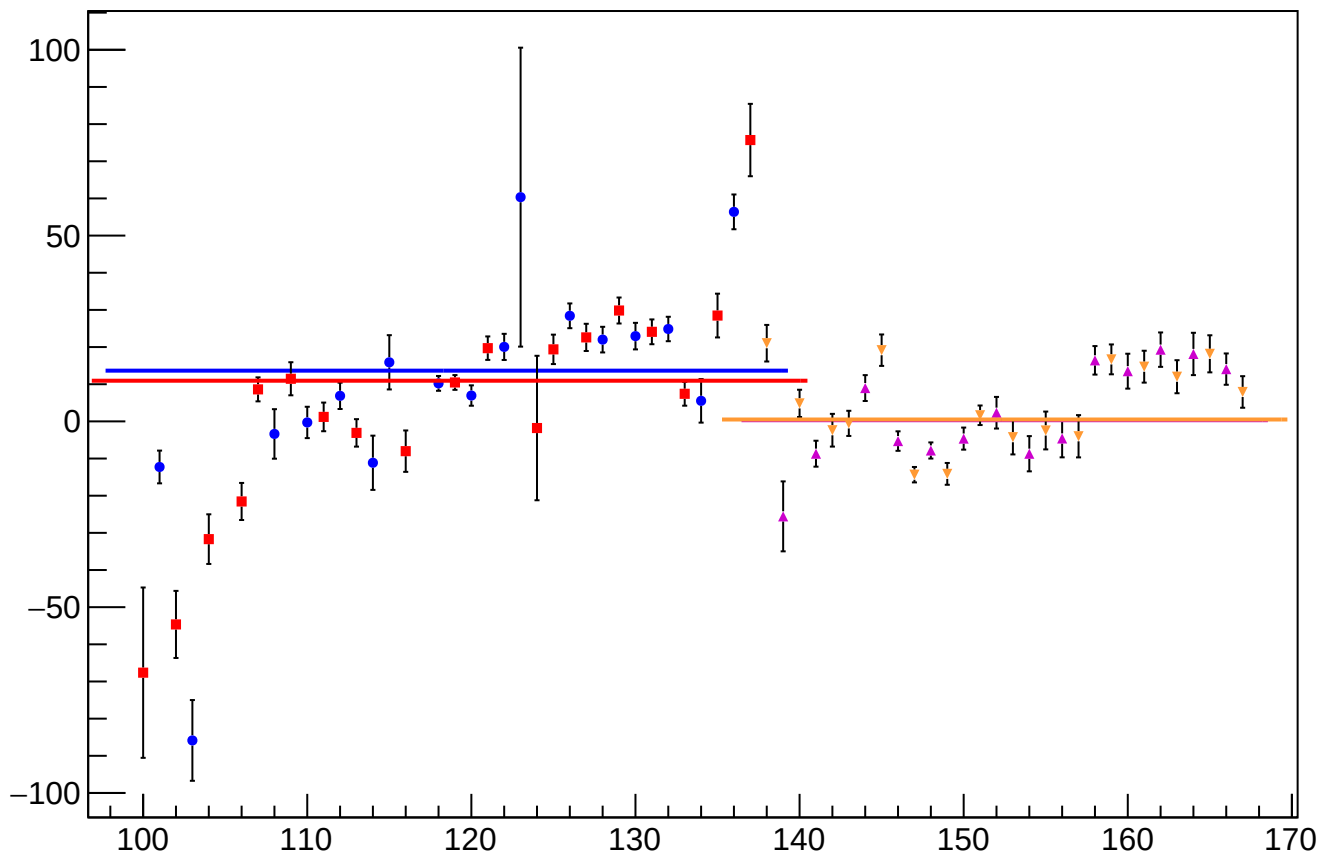
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 249.317+/-1.428 χ^2/NDF :423.1/13

Out: 230.841+/-1.353 χ^2/NDF :2392.9/15

All: 239.582+/-0.982 χ^2/NDF : 2904.2/29

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: 0.313 ± 0.984 χ^2/NDF : 109.4/13

Left: 0.415 ± 0.672 χ^2/NDF : 275.9/29

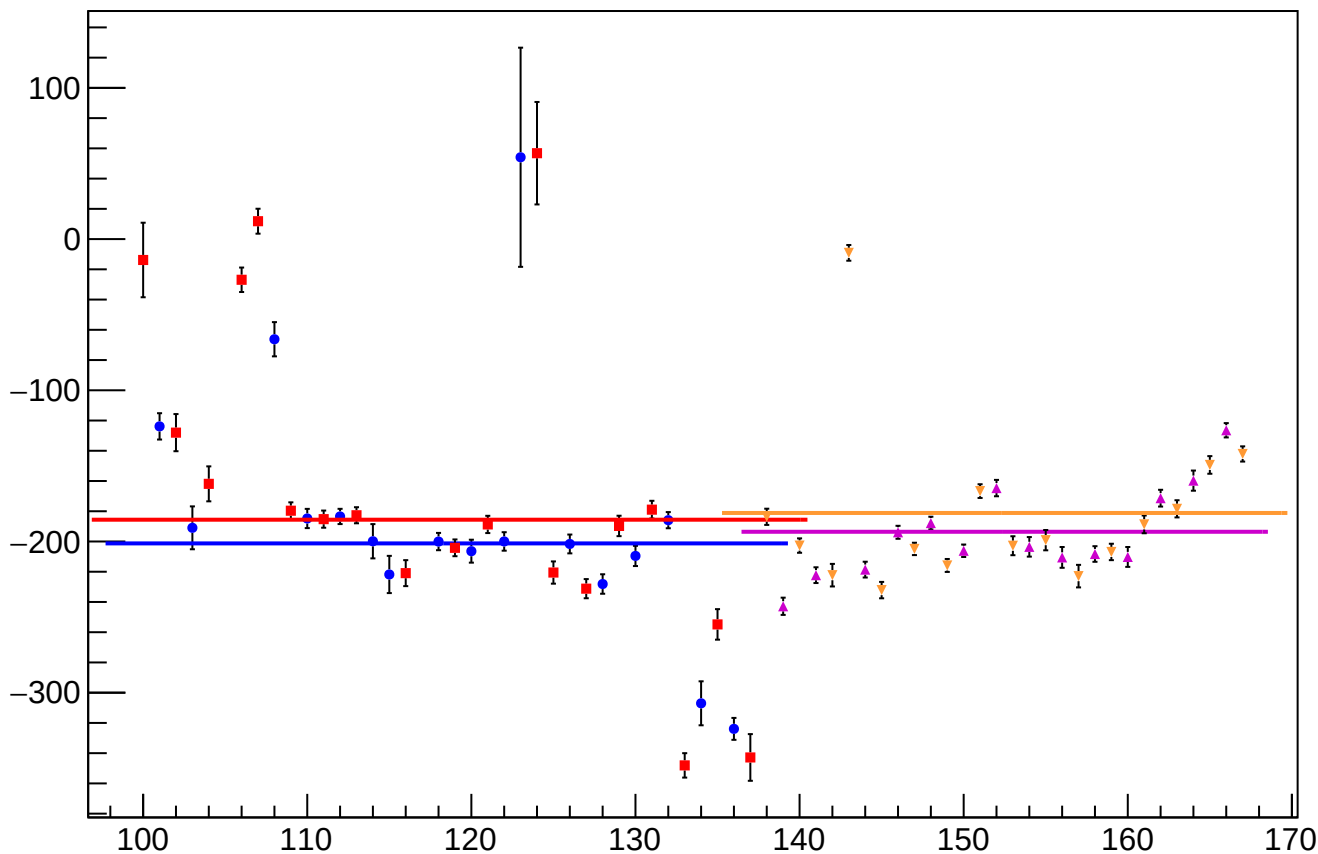
Right: 12.264 ± 0.654 χ^2/NDF : 600.9/35

In: 7.316 ± 0.678 χ^2/NDF : 499.9/30

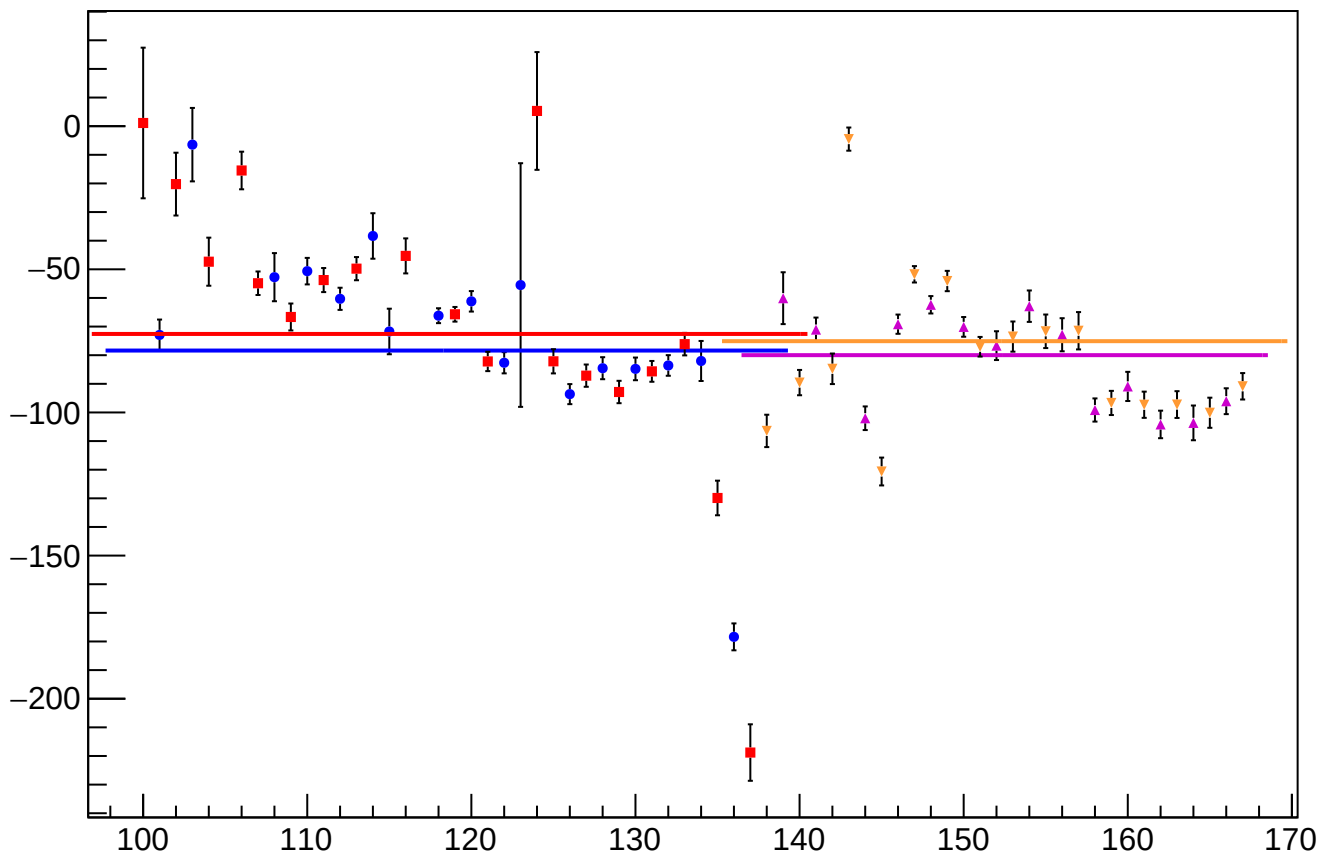
Out: 5.765 ± 0.648 χ^2/NDF : 533.8/34

All: 6.505 ± 0.469 χ^2/NDF : 1036.4/65

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -79.985 ± 1.170 χ^2/NDF : 181.9/13

Left: -77.389 ± 0.801 χ^2/NDF : 837.0/29

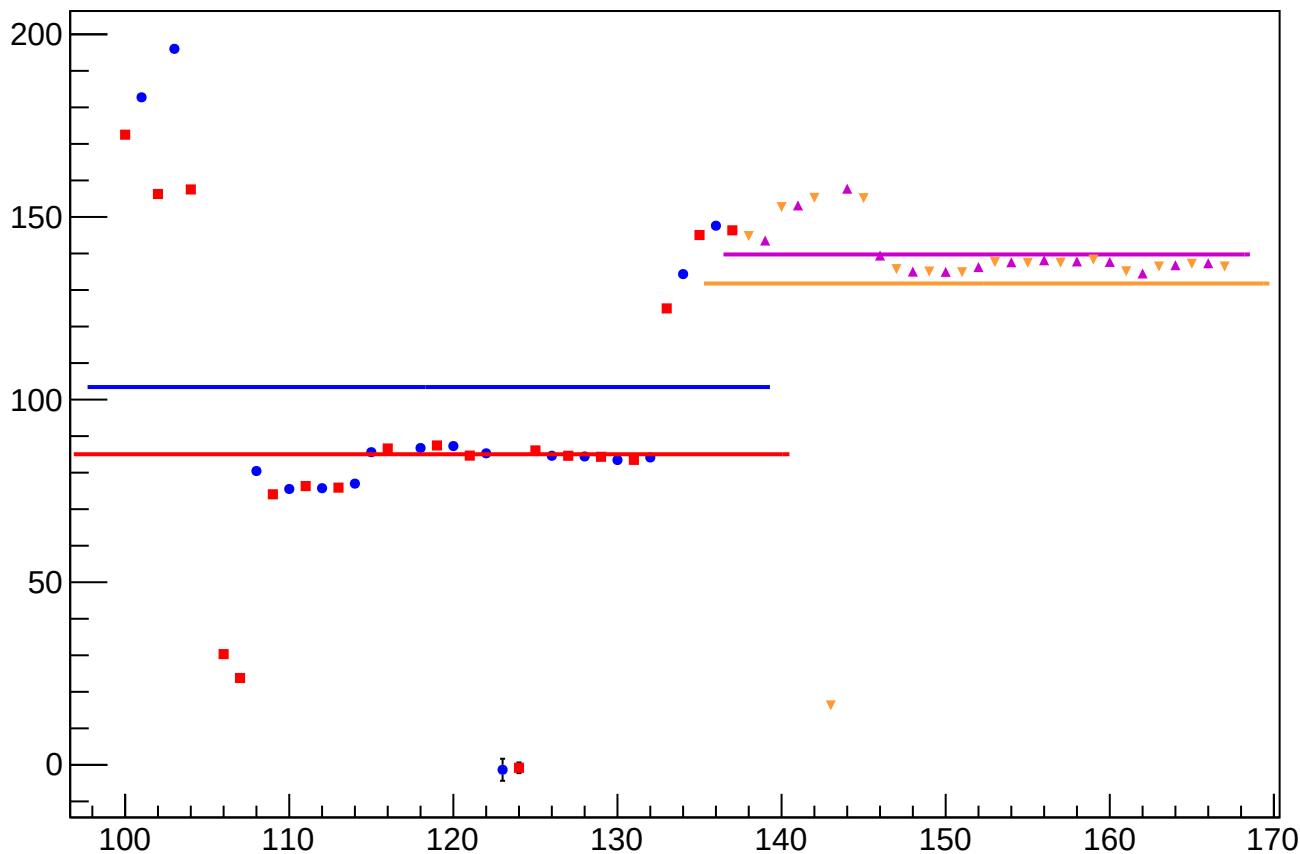
Right: -75.395 ± 0.754 χ^2/NDF : 1272.0/35

In: -79.117 ± 0.794 χ^2/NDF : 834.3/30

Out: -73.784 ± 0.760 χ^2/NDF : 1254.4/34

All: -76.332 ± 0.549 χ^2/NDF : 2112.3/65

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: 139.735 $\pm$ 0.056 χ^2 /NDF: 13450.1/13

Left: 135.595 $\pm$ 0.039 χ^2 /NDF: 369991.9/29

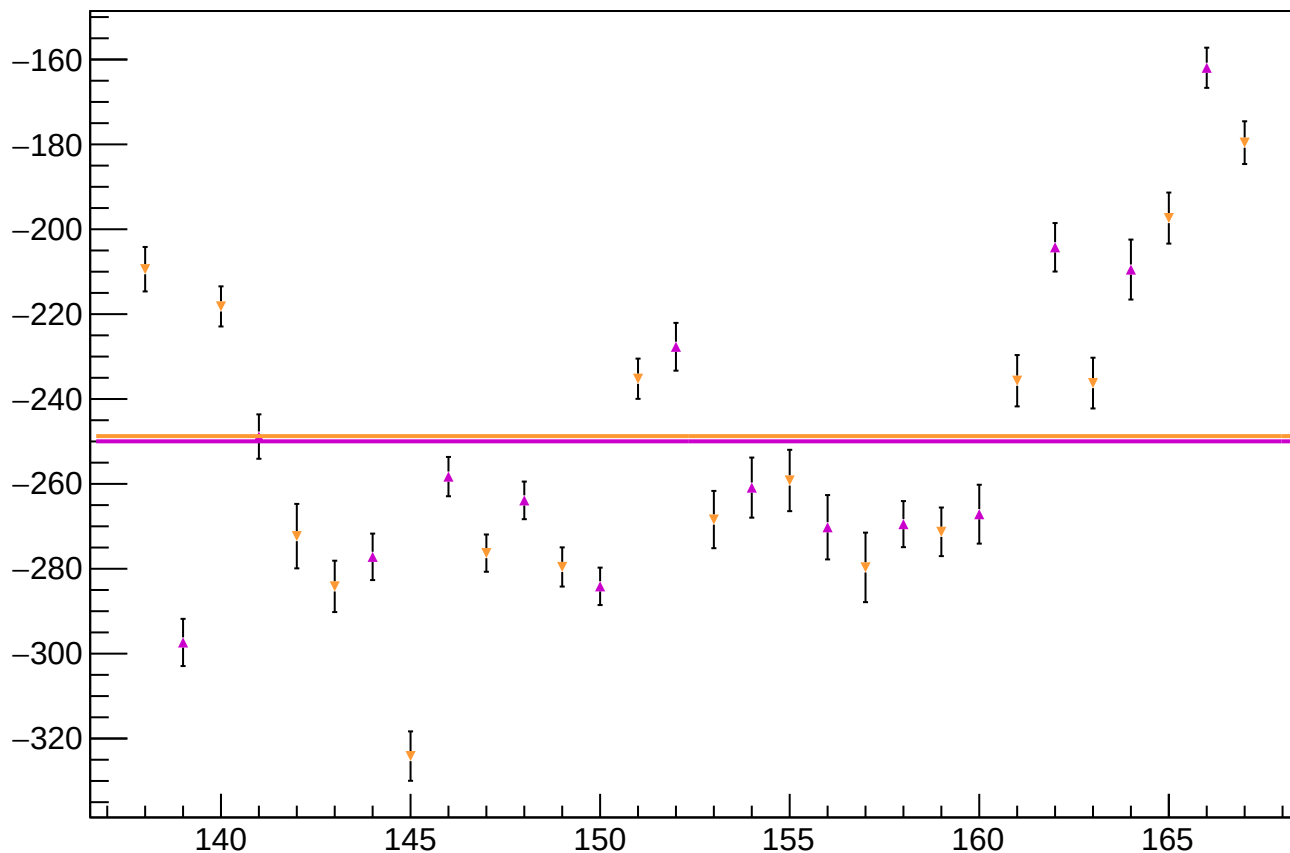
Right: 93.267 $\pm$ 0.047 χ^2 /NDF: 732362.9/35

In: 125.761 $\pm$ 0.044 χ^2 /NDF: 447546.9/30

Out: 112.339 $\pm$ 0.041 χ^2 /NDF: 1082445.7/34

All: 118.599 $\pm$ 0.030 χ^2 /NDF: 1579707.2/65

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: -249.973+/-1.459 χ^2/NDF : 657.2/13

Left: -249.334+/-1.011 χ^2/NDF : 1370.3/29

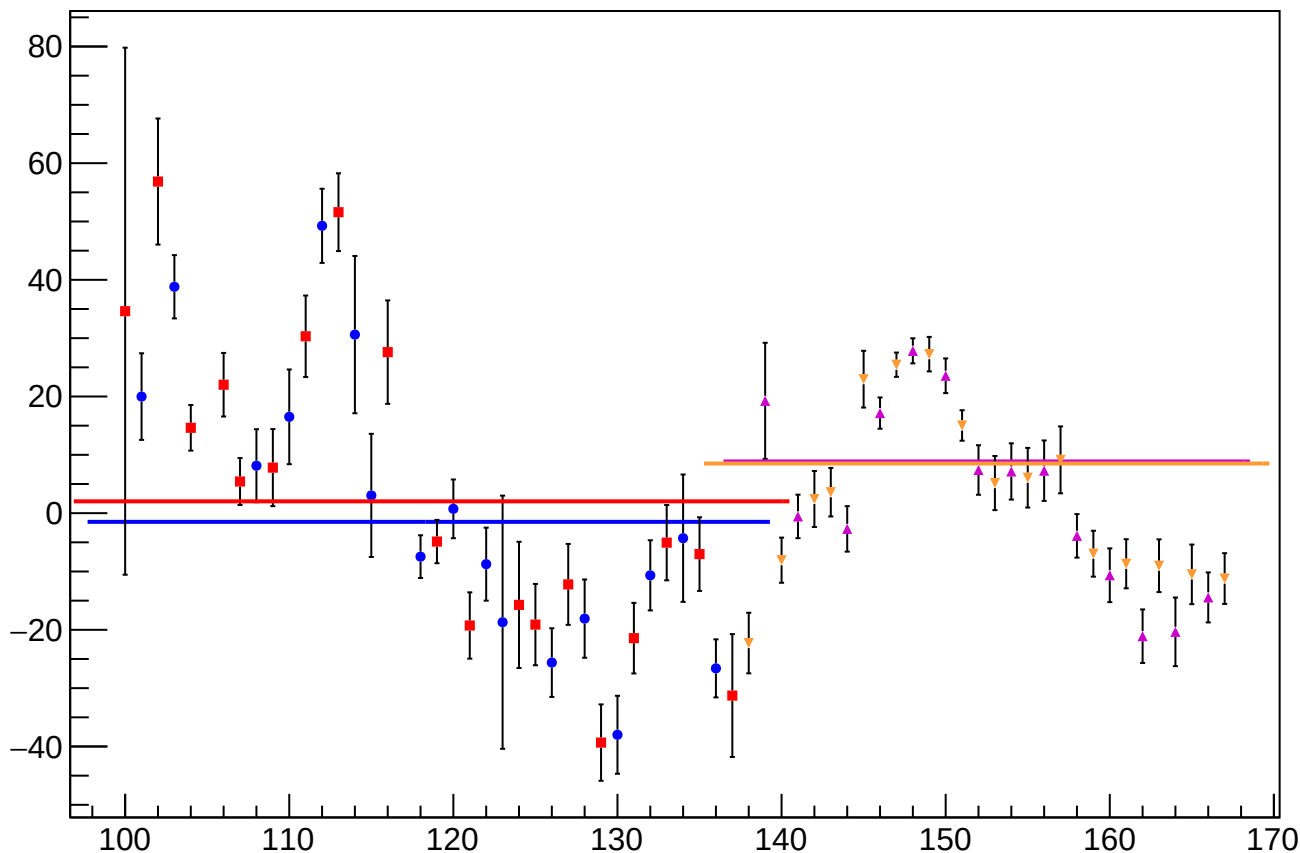
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -249.973+/-1.459 χ^2/NDF : 657.2/13

Out: -248.743+/-1.404 χ^2/NDF : 712.7/15

All: -249.334+/-1.011 χ^2/NDF : 1370.3/29

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: 8.867 ± 0.999 $\chi^2/\text{NDF}: 254.8/13$

Left: 8.680 ± 0.687 $\chi^2/\text{NDF}: 515.1/29$

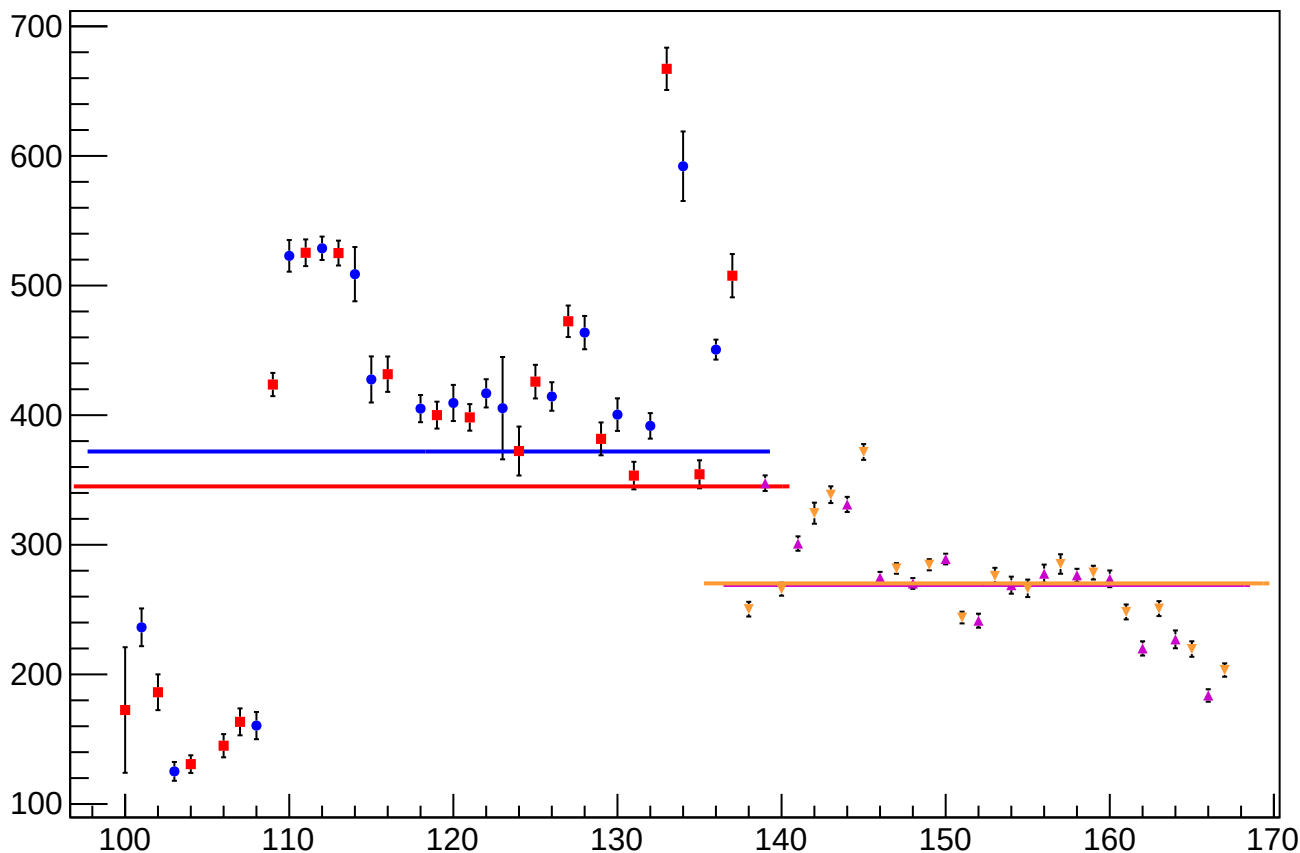
Right: 0.432 ± 1.035 $\chi^2/\text{NDF}: 462.1/35$

In: 5.789 ± 0.837 $\chi^2/\text{NDF}: 512.7/30$

Out: 6.475 ± 0.784 $\chi^2/\text{NDF}: 508.2/34$

All: 6.155 ± 0.572 $\chi^2/\text{NDF}: 1021.3/65$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975+/-2.778 χ^2/NDF : 2432.6/16

Left Out: 270.203+/-1.380 χ^2/NDF : 771.6/15

Right Out: 345.043+/-2.562 χ^2/NDF : 3415.2/18

Left In: 269.010+/-1.420 χ^2/NDF : 799.9/13

Left: 269.624+/-0.990 χ^2/NDF : 1571.9/29

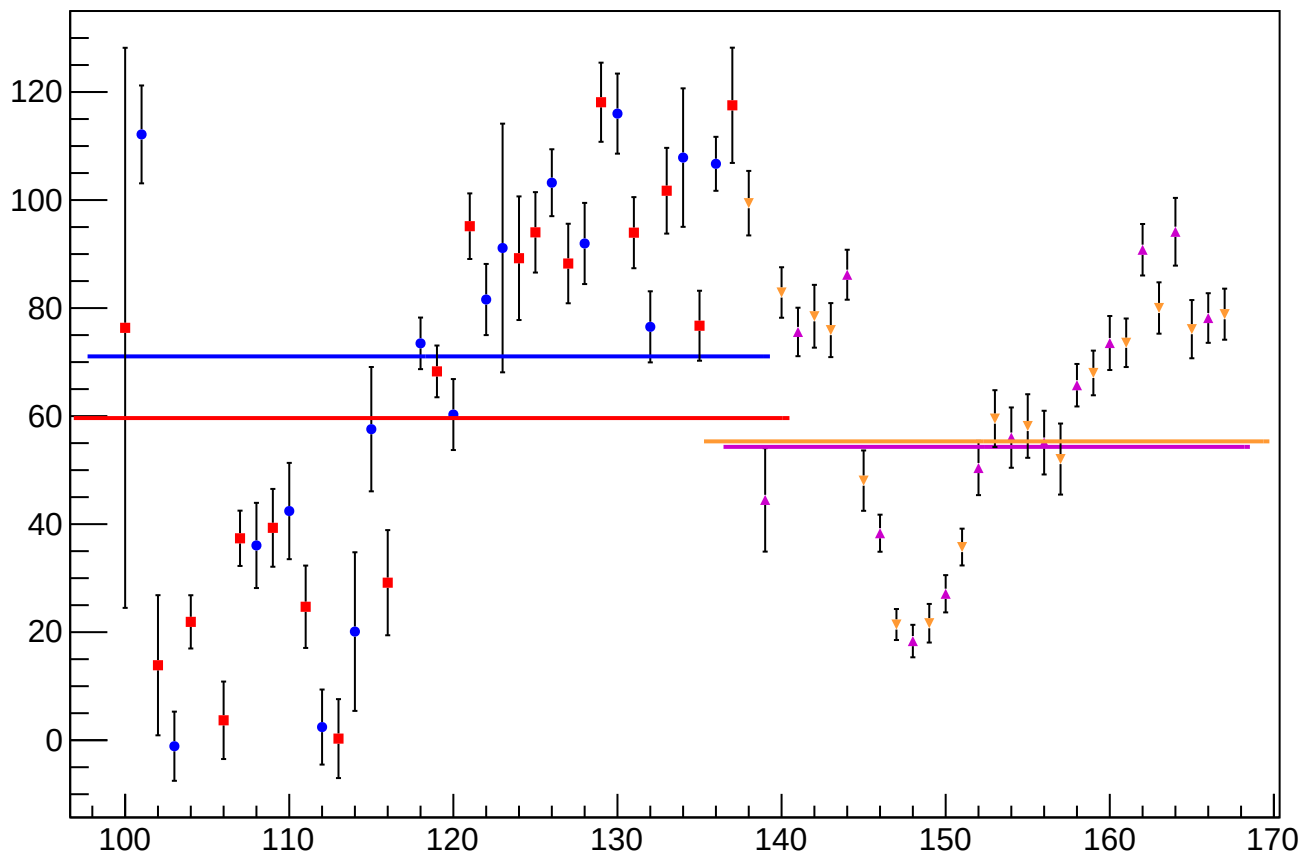
Right: 357.423+/-1.883 χ^2/NDF : 5898.6/35

In: 290.355+/-1.265 χ^2/NDF : 4321.7/30

Out: 287.040+/-1.215 χ^2/NDF : 4848.1/34

All: 288.632+/-0.876 χ^2/NDF : 9173.4/65

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: 54.306 $\pm$ 1.188 χ^2 /NDF:447.6/13

Left: 54.839 $\pm$ 0.819 χ^2 /NDF: 926.8/29

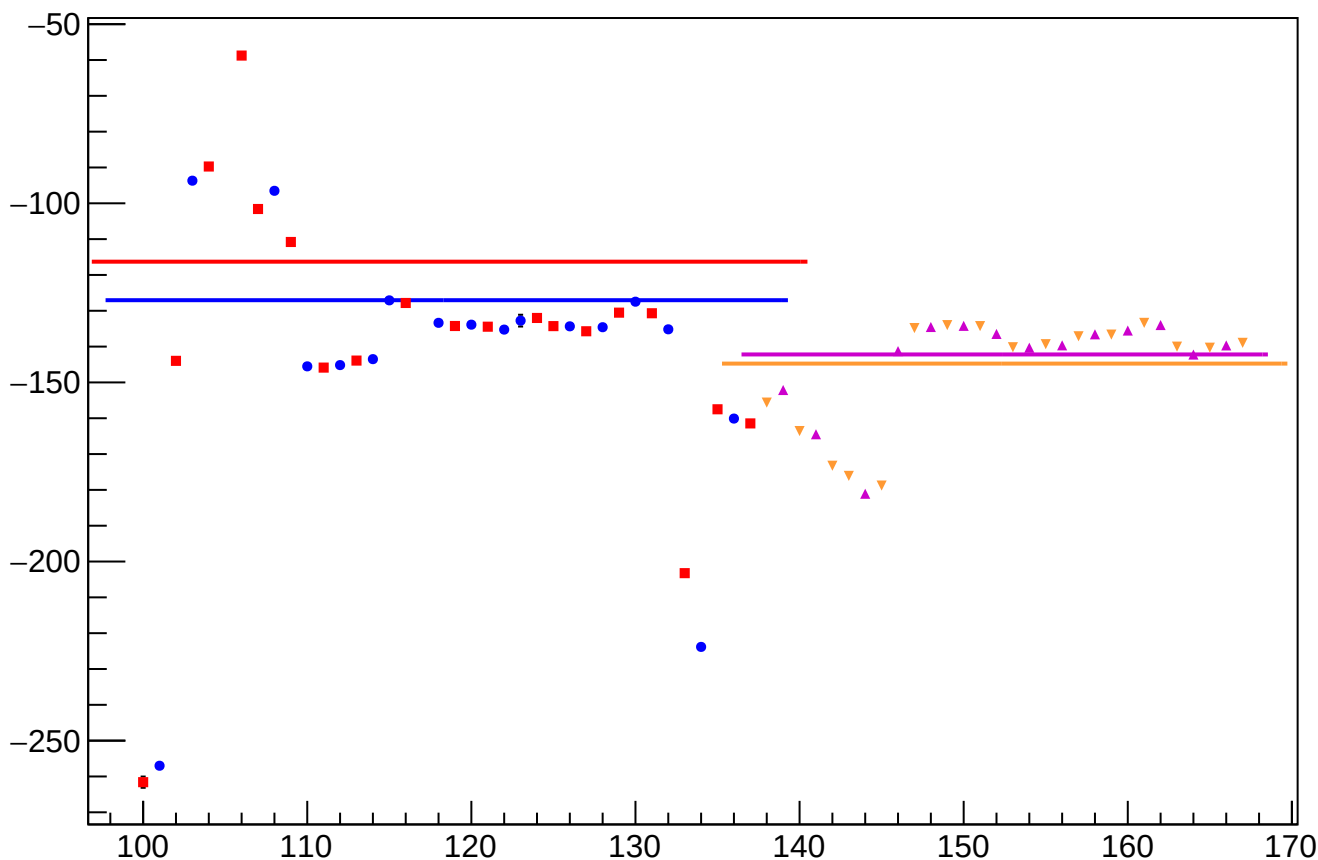
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 59.531 $\pm$ 0.985 χ^2 /NDF:935.8/30

Out: 56.725 $\pm$ 0.930 χ^2 /NDF:975.2/34

All: 58.047 $\pm$ 0.676 χ^2 /NDF: 1915.3/65

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -144.748 ± 0.056 $\chi^2/\text{NDF}: 68504.6/15$

Right Out: -116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

Left In: -142.193 ± 0.057 $\chi^2/\text{NDF}: 43206.2/13$

Left: -143.504 ± 0.040 $\chi^2/\text{NDF}: 112741.1/29$

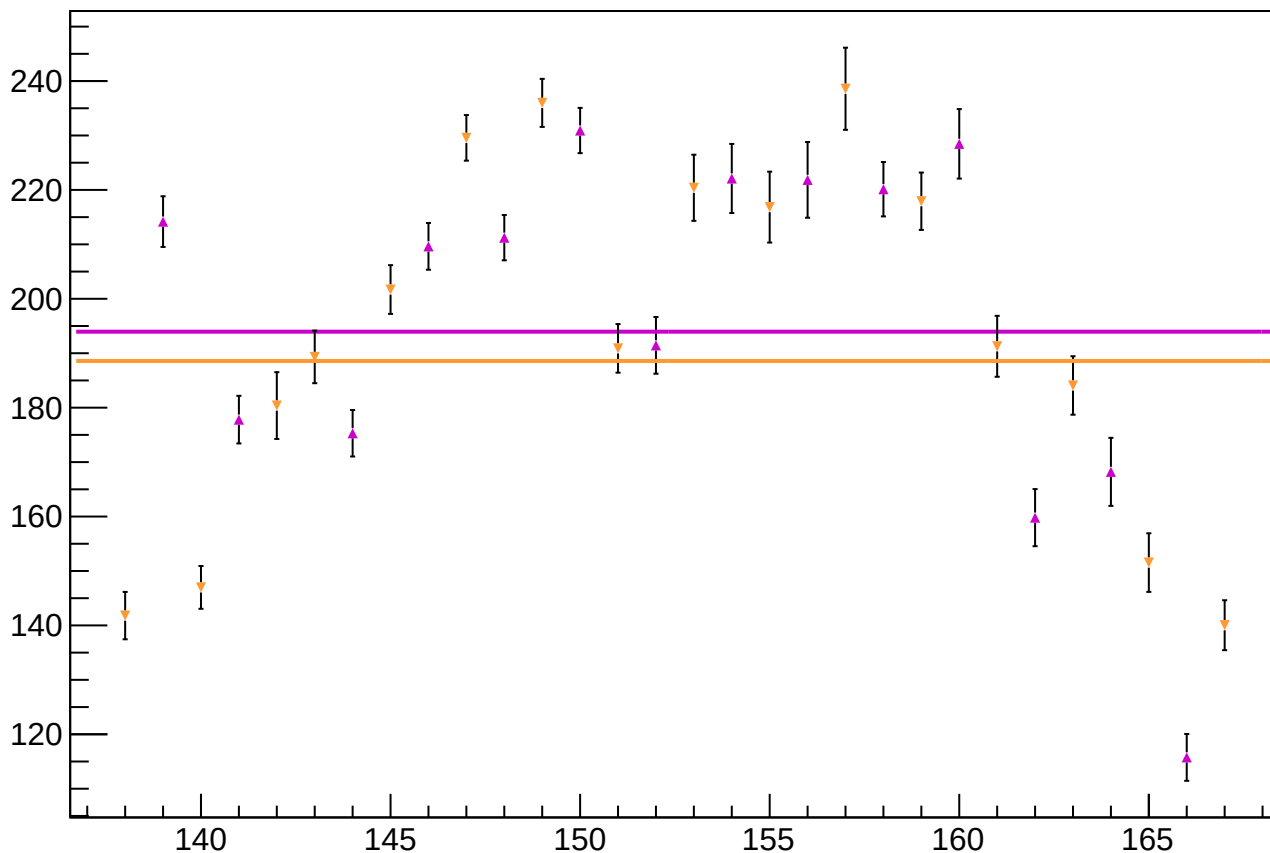
Right: -121.250 ± 0.061 $\chi^2/\text{NDF}: 341860.6/35$

In: -137.839 ± 0.048 $\chi^2/\text{NDF}: 230495.0/30$

Out: -135.946 ± 0.046 $\chi^2/\text{NDF}: 316806.3/34$

All: -136.853 ± 0.033 $\chi^2/\text{NDF}: 548107.5/65$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 188.583+/-1.242 χ^2/NDF : 730.9/15

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

Left In: 193.960+/-1.306 χ^2/NDF : 643.7/13

Left: 191.136+/-0.900 χ^2/NDF : 1383.4/29

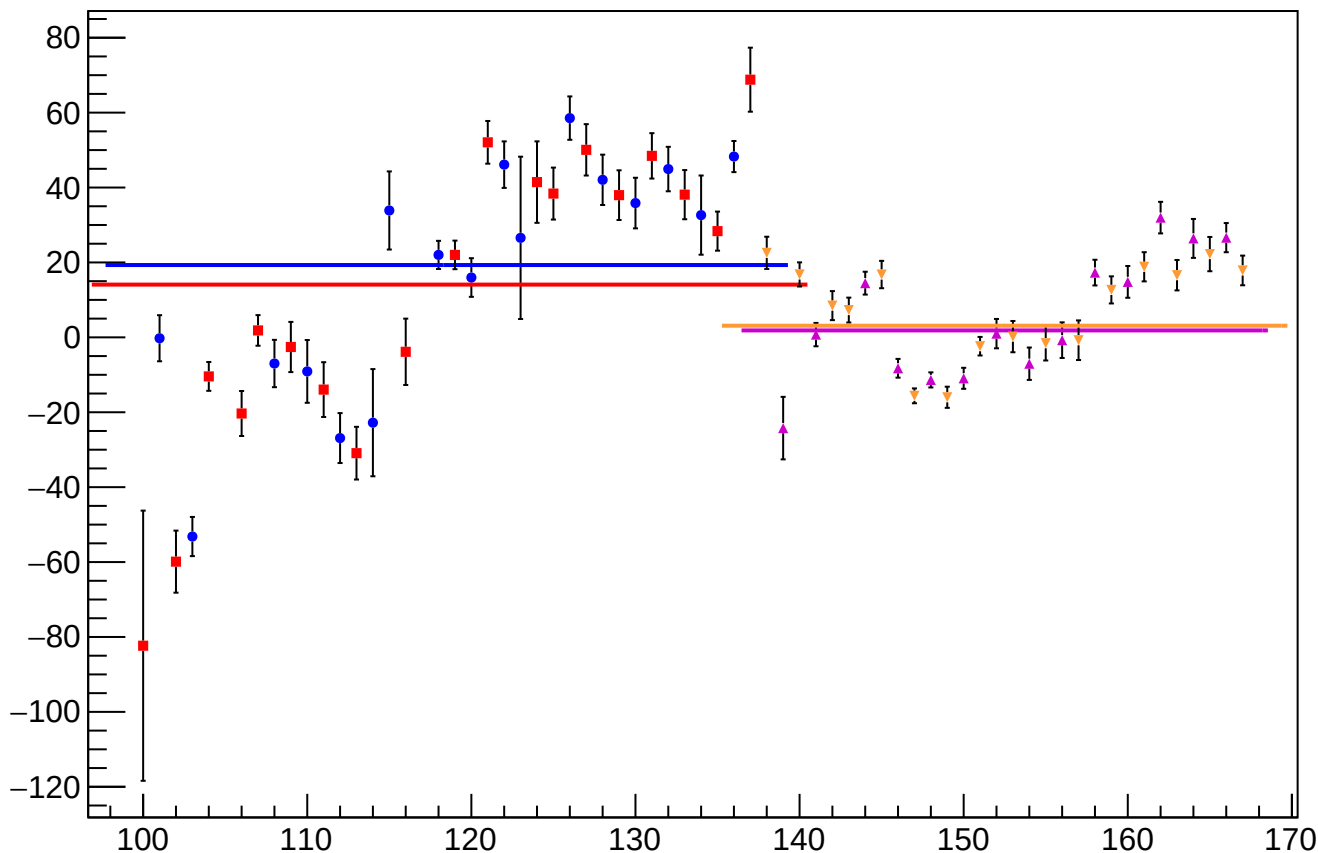
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 193.960+/-1.306 χ^2/NDF : 643.7/13

Out: 188.583+/-1.242 χ^2/NDF : 730.9/15

All: 191.136+/-0.900 χ^2/NDF : 1383.4/29

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: 1.851 ± 0.906 χ^2/NDF : 255.0/13

Left: 2.519 ± 0.620 χ^2/NDF : 519.3/29

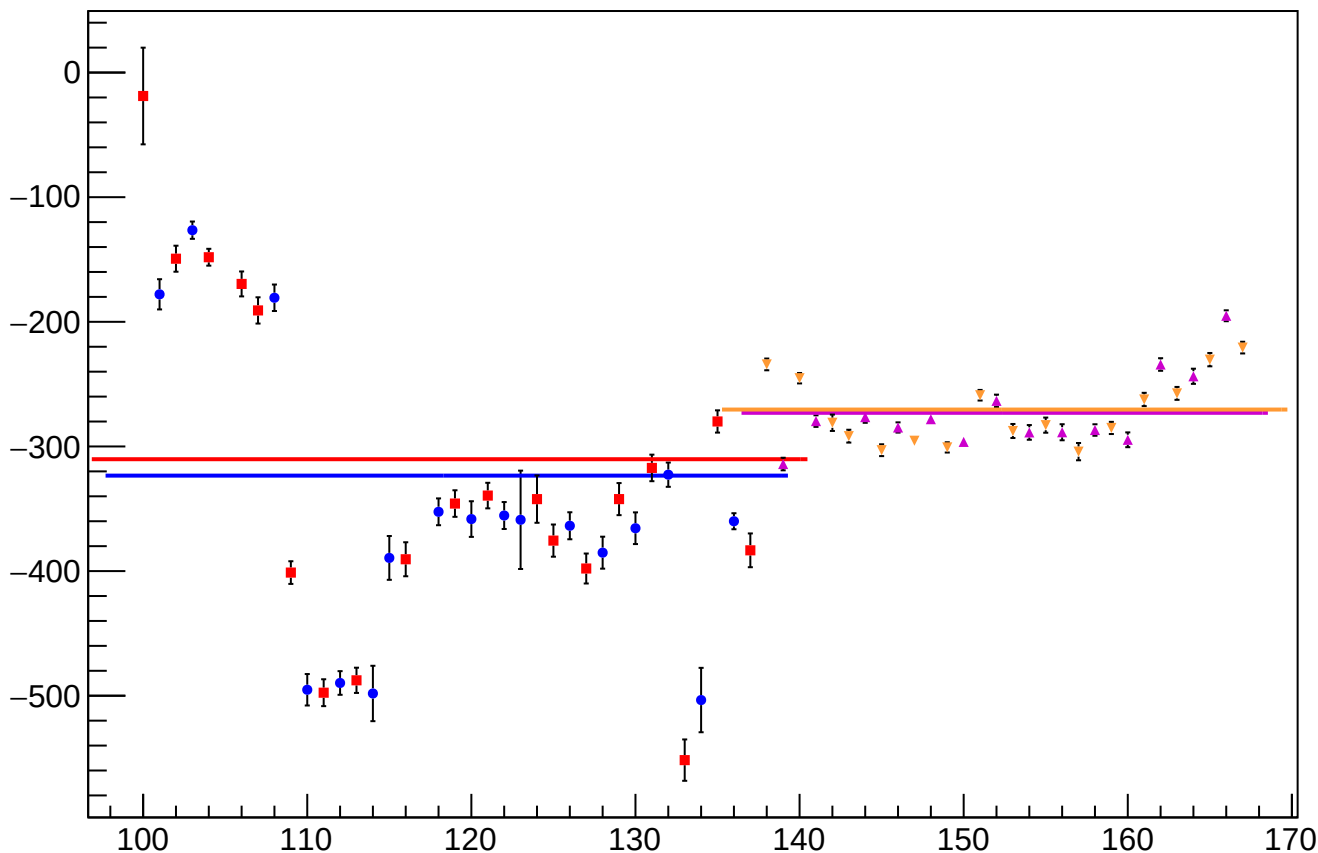
Right: 16.496 ± 1.020 χ^2/NDF : 884.7/35

In: 6.512 ± 0.775 χ^2/NDF : 795.5/30

Out: 6.105 ± 0.726 χ^2/NDF : 745.5/34

All: 6.295 ± 0.530 χ^2/NDF : 1541.2/65

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -270.391 ± 1.230 $\chi^2/\text{NDF}: 487.3/15$

Right Out: -310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

Left In: -273.006 ± 1.279 $\chi^2/\text{NDF}: 551.9/13$

Left: -271.648 ± 0.887 $\chi^2/\text{NDF}: 1041.4/29$

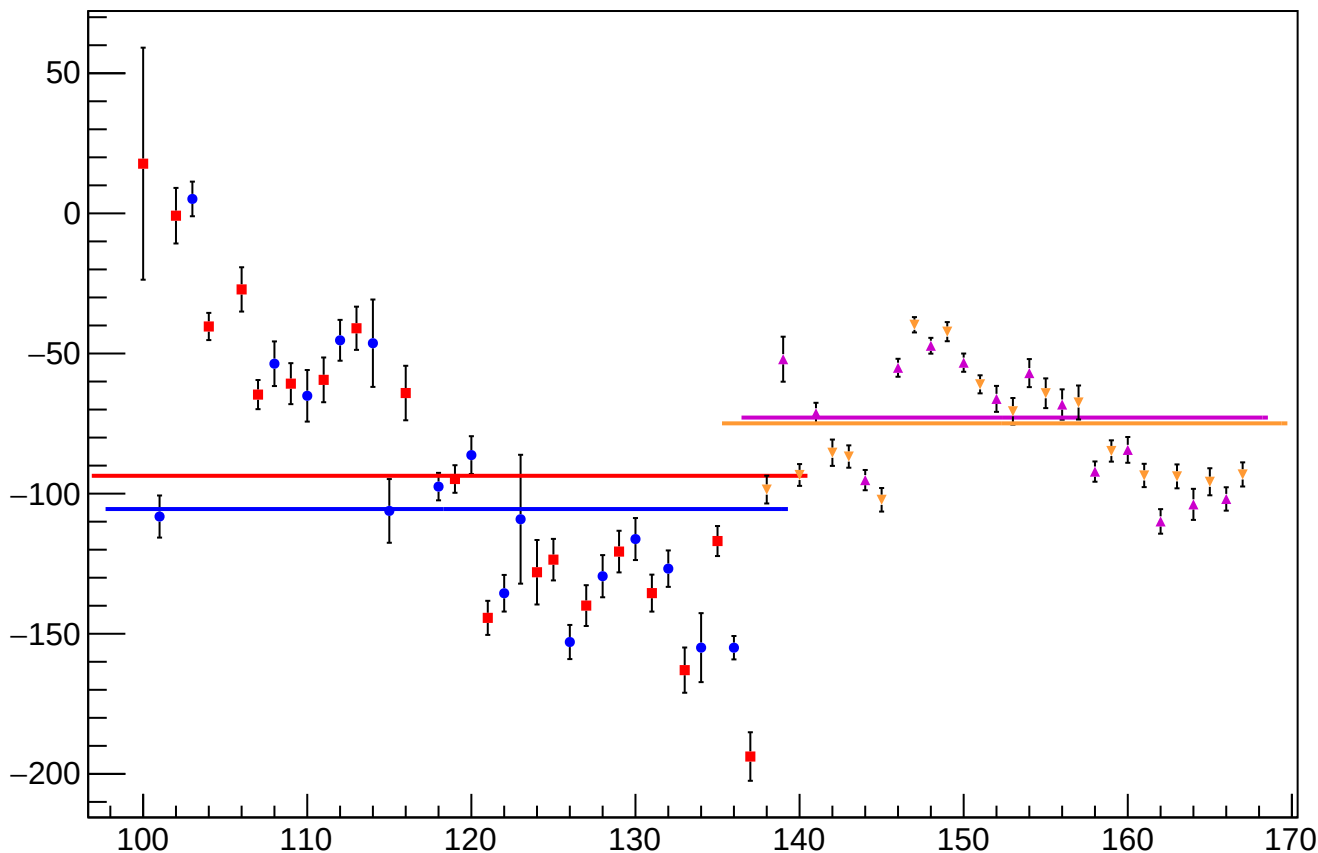
Right: -316.413 ± 1.838 $\chi^2/\text{NDF}: 4161.2/35$

In: -282.332 ± 1.155 $\chi^2/\text{NDF}: 2688.8/30$

Out: -278.045 ± 1.106 $\chi^2/\text{NDF}: 2987.6/34$

All: -280.096 ± 0.799 $\chi^2/\text{NDF}: 5683.6/65$

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: -72.860 ± 1.074 χ^2/NDF : 393.3/13

Left: -73.951 ± 0.737 χ^2/NDF : 861.3/29

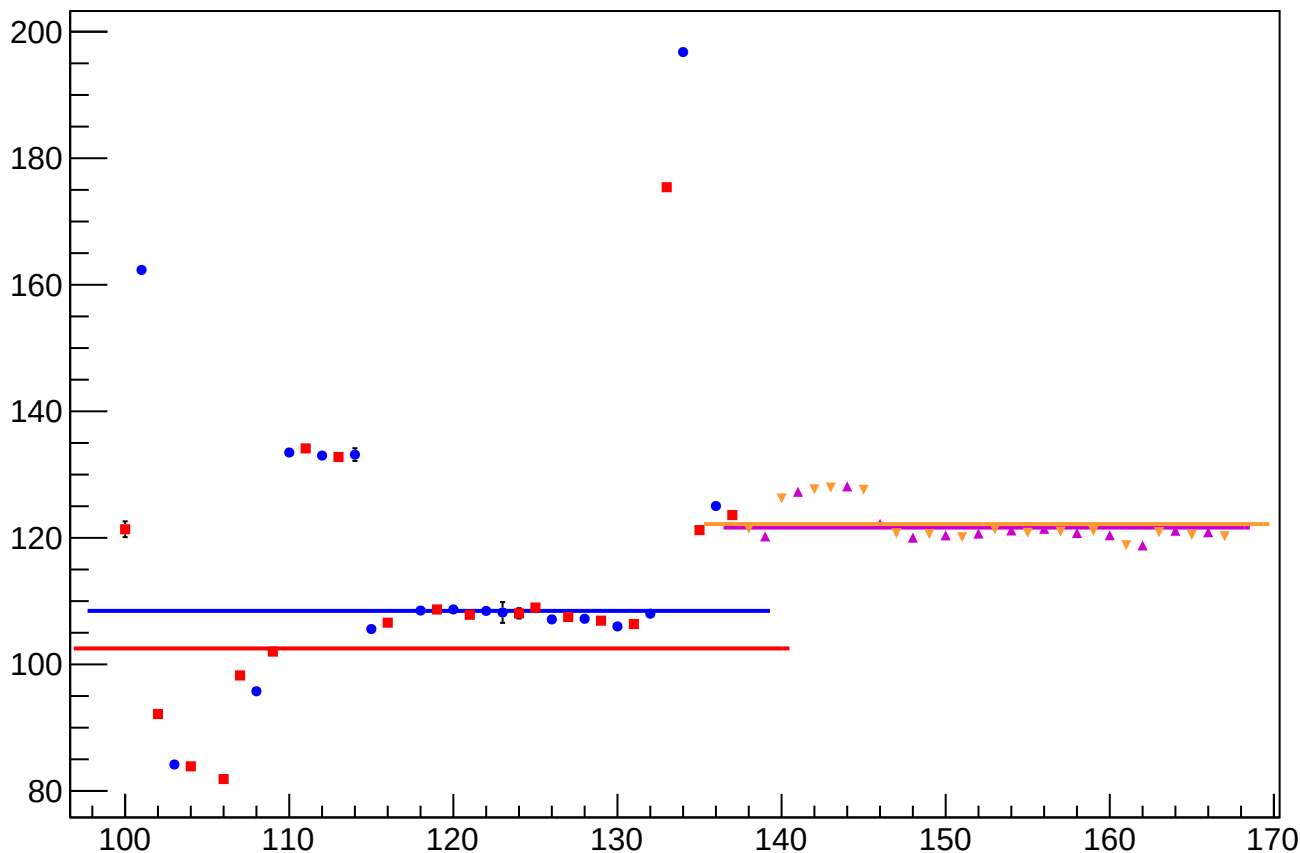
Right: -99.203 ± 1.173 χ^2/NDF : 1589.9/35

In: -82.077 ± 0.910 χ^2/NDF : 1391.4/30

Out: -80.235 ± 0.858 χ^2/NDF : 1389.9/34

All: -81.102 ± 0.624 χ^2/NDF : 2783.4/65

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 122.181 $\pm$ 0.049 χ^2 /NDF: 3437.4/15

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

Left In: 121.630 $\pm$ 0.051 χ^2 /NDF: 2490.1/13

Left: 121.915 $\pm$ 0.036 χ^2 /NDF: 5987.5/29

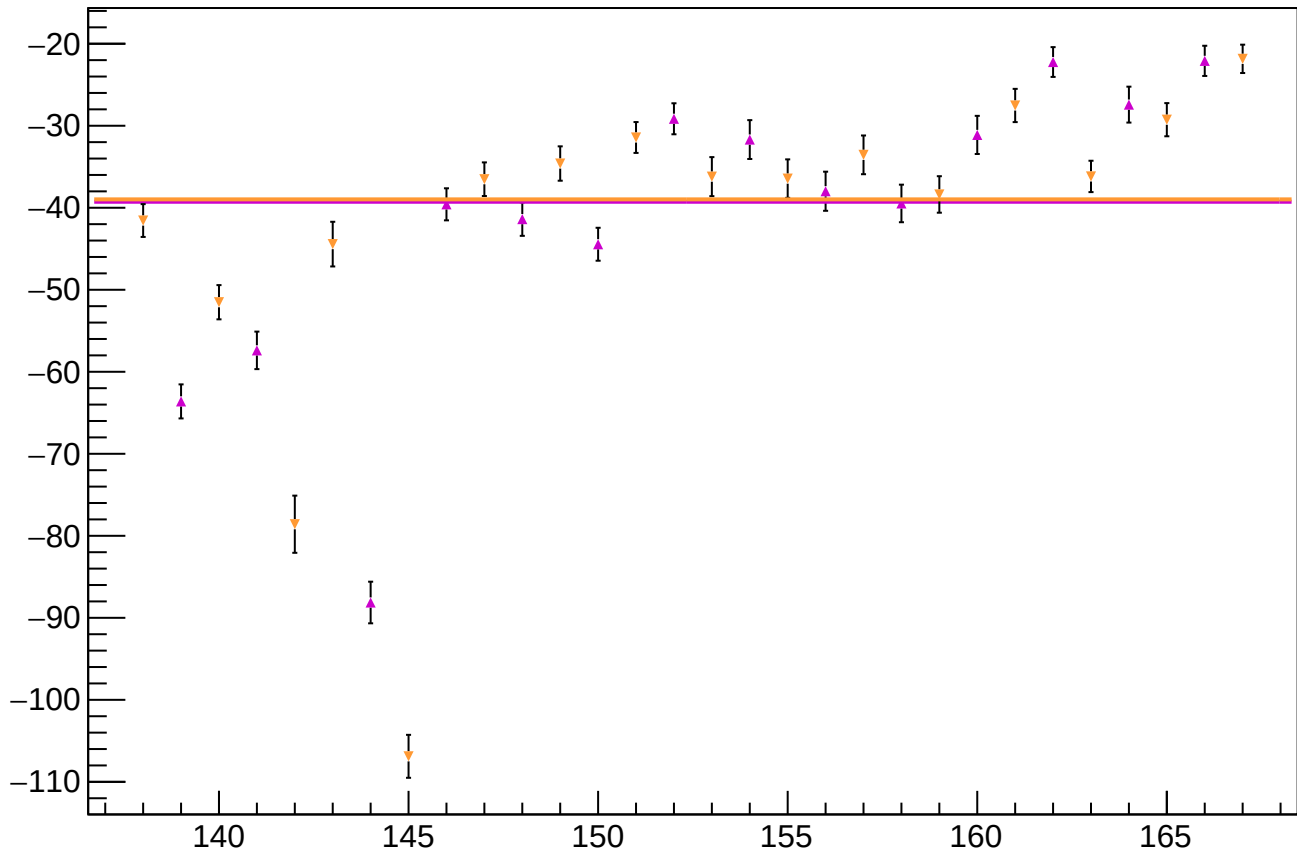
Right: 105.294 $\pm$ 0.058 χ^2 /NDF: 128896.1/35

In: 118.113 $\pm$ 0.044 χ^2 /NDF: 93388.4/30

Out: 116.708 $\pm$ 0.042 χ^2 /NDF: 100504.8/34

All: 117.379 $\pm$ 0.030 χ^2 /NDF: 194428.1/65

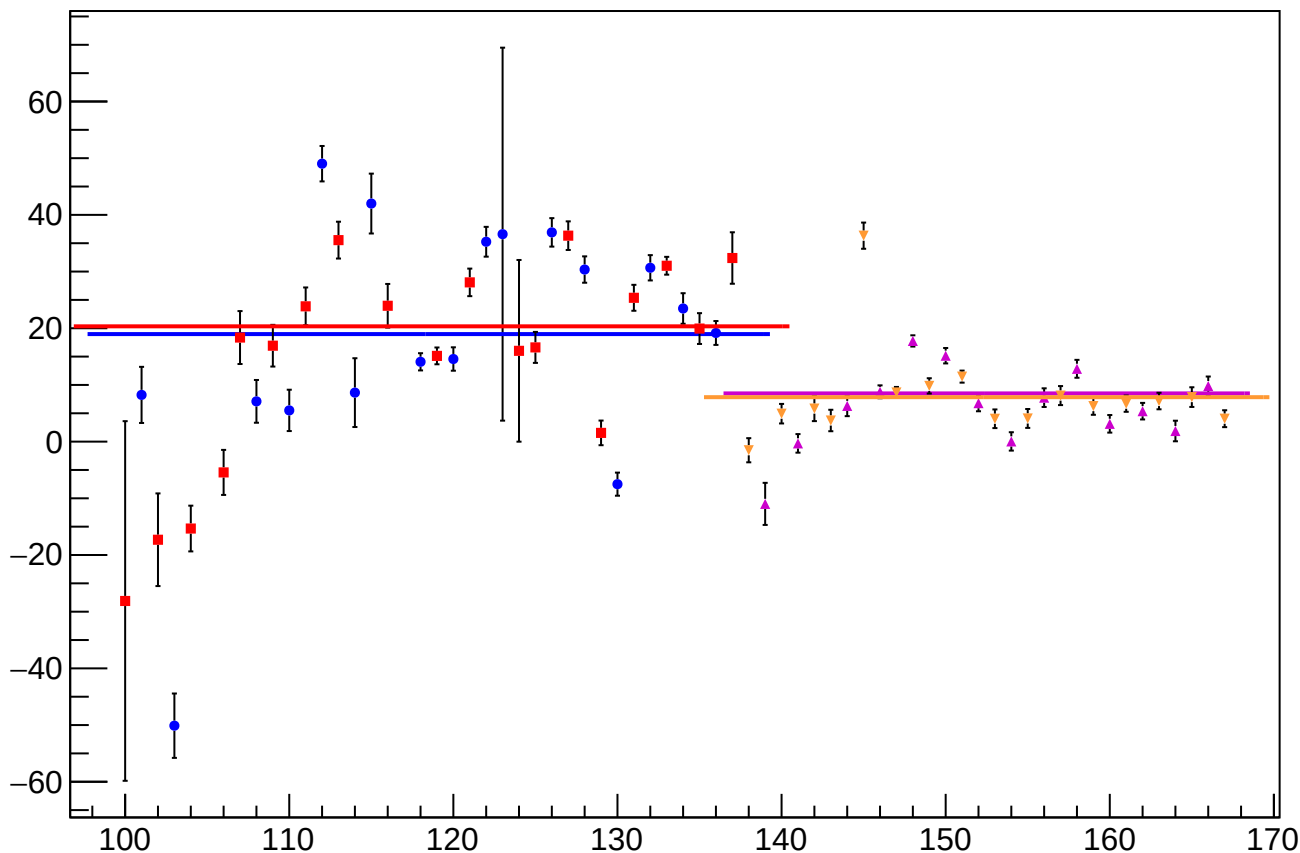
reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -39.267+/-0.564 χ^2/NDF :834.5/13

Left: -39.116+/-0.390 χ^2/NDF : 1863.0/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -39.267+/-0.564 χ^2/NDF :834.5/13
 Out: -38.978+/-0.540 χ^2/NDF :1028.4/15
 All: -39.116+/-0.390 χ^2/NDF : 1863.0/29

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 7.840 ± 0.379 χ^2/NDF : 213.2/15

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

Left In: 8.505 ± 0.400 χ^2/NDF : 236.0/13

Left: 8.154 ± 0.275 χ^2/NDF : 450.6/29

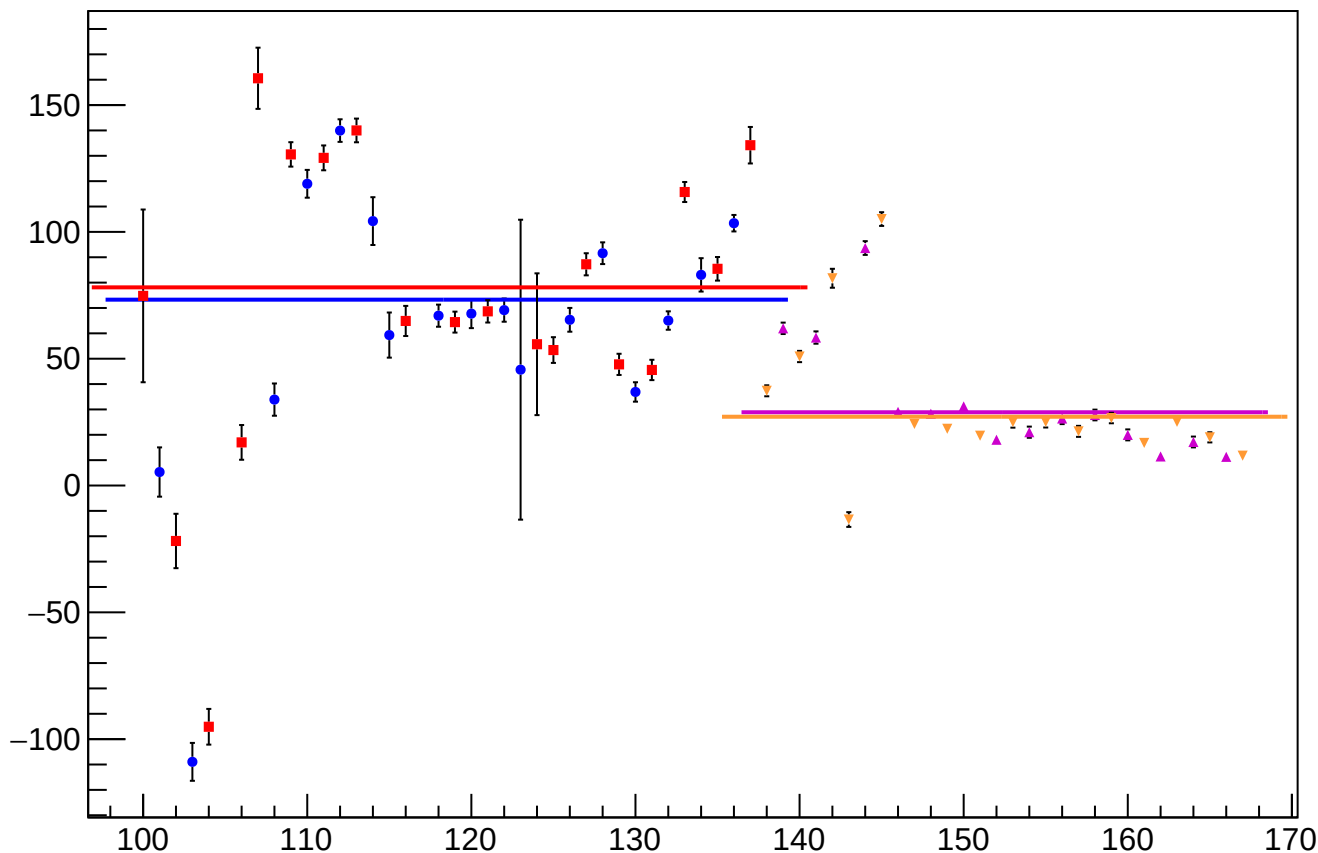
Right: 19.666 ± 0.458 χ^2/NDF : 987.0/35

In: 11.357 ± 0.341 χ^2/NDF : 1041.2/30

Out: 11.066 ± 0.326 χ^2/NDF : 860.5/34

All: 11.205 ± 0.236 χ^2/NDF : 1902.2/65

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278+/-1.236 χ^2 /NDF: 1198.6/16

Left Out: 27.120+/-0.529 χ^2 /NDF:1531.1/15

Right Out: 78.130+/-1.223 χ^2 /NDF: 1543.3/18

Left In: 28.884+/-0.548 χ^2 /NDF:1218.6/13

Left: 27.972+/-0.381 χ^2 /NDF: 2755.0/29

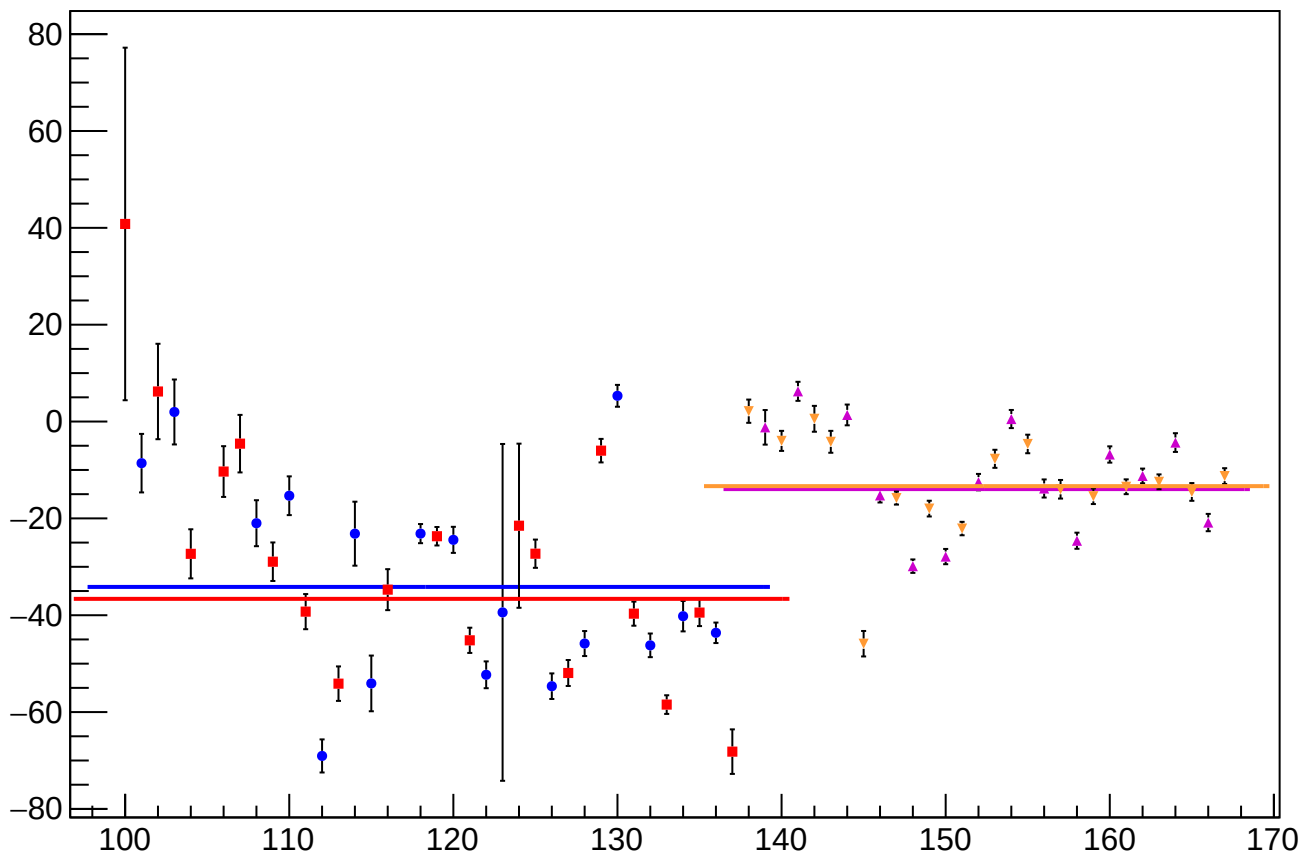
Right: 75.732+/-0.869 χ^2 /NDF: 2749.7/35

In: 36.173+/-0.501 χ^2 /NDF:3494.7/30

Out: 35.172+/-0.486 χ^2 /NDF:4540.6/34

All: 35.657+/-0.349 χ^2 /NDF: 8037.3/65

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF}: 717.5/16$

Left Out: -13.341 ± 0.443 $\chi^2/\text{NDF}: 343.8/15$

Right Out: -36.618 ± 0.736 $\chi^2/\text{NDF}: 547.0/18$

Left In: -13.951 ± 0.467 $\chi^2/\text{NDF}: 542.0/13$

Left: -13.630 ± 0.321 $\chi^2/\text{NDF}: 886.8/29$

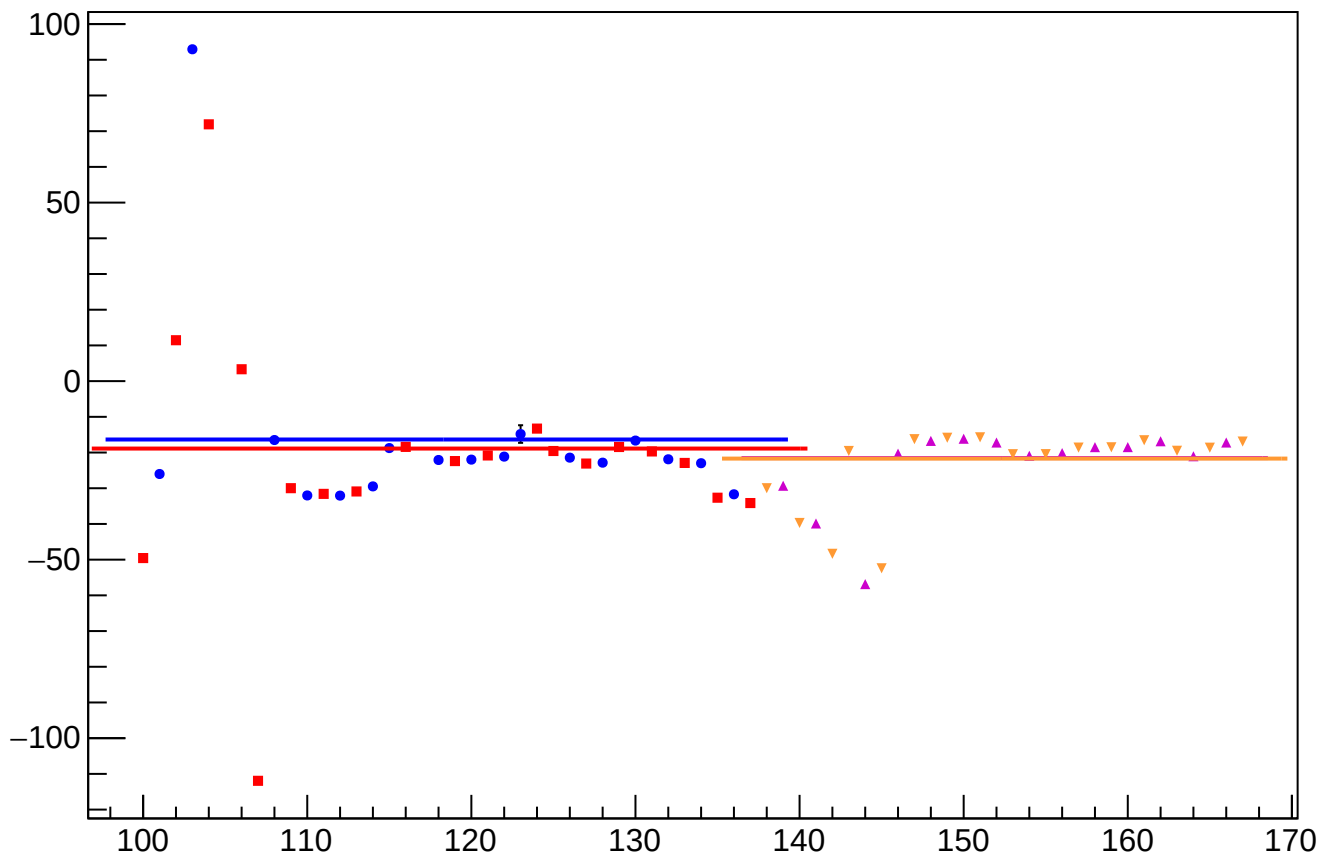
Right: -35.401 ± 0.523 $\chi^2/\text{NDF}: 1270.0/35$

In: -19.644 ± 0.395 $\chi^2/\text{NDF}: 1787.8/30$

Out: -19.540 ± 0.380 $\chi^2/\text{NDF}: 1625.2/34$

All: -19.590 ± 0.274 $\chi^2/\text{NDF}: 3413.0/65$

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: -21.554 ± 0.022 $\chi^2/\text{NDF}: 155317.8/13$

Left: -21.627 ± 0.015 $\chi^2/\text{NDF}: 344062.5/29$

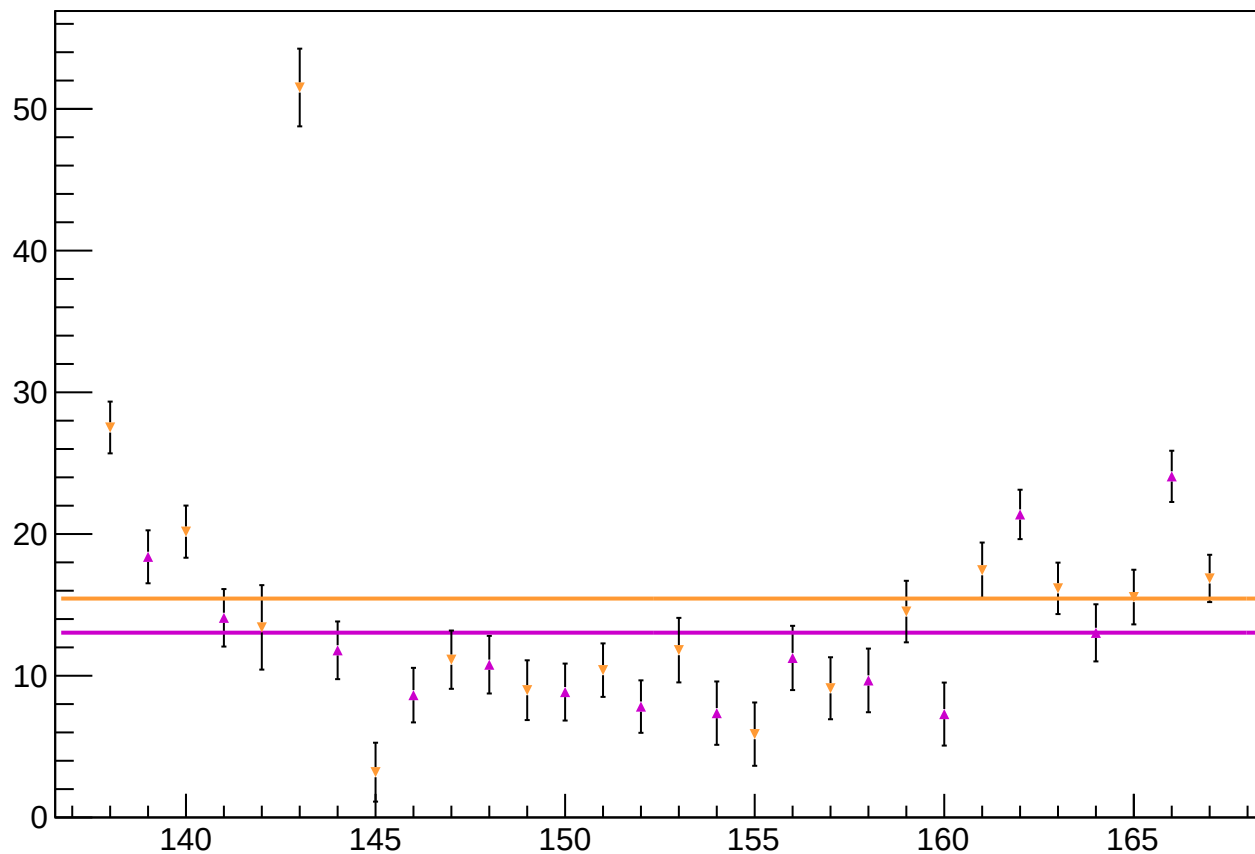
Right: -17.599 ± 0.032 $\chi^2/\text{NDF}: 909577.8/35$

In: -20.563 ± 0.019 $\chi^2/\text{NDF}: 640515.7/30$

Out: -21.204 ± 0.019 $\chi^2/\text{NDF}: 625689.9/34$

All: -20.893 ± 0.014 $\chi^2/\text{NDF}: 1266762.8/65$

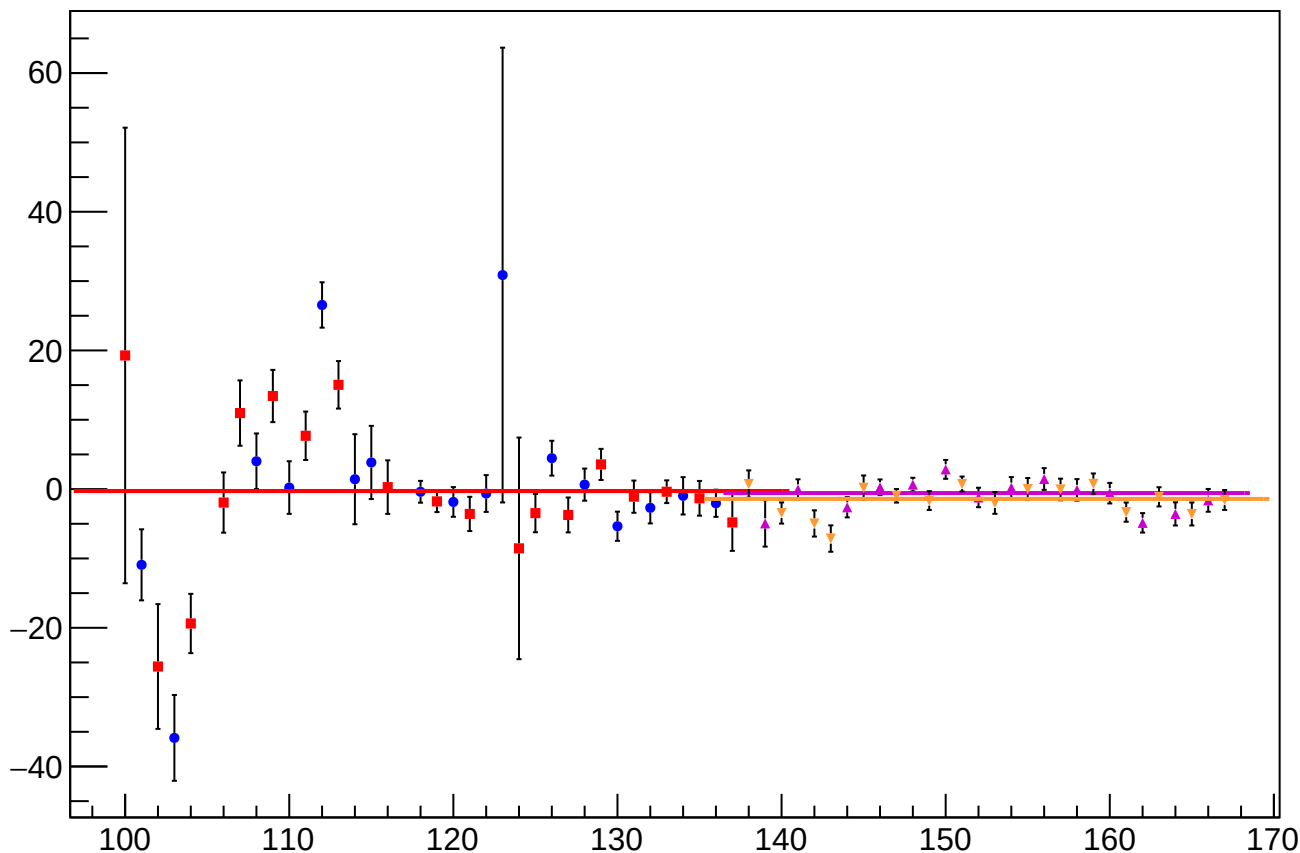
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 13.039+/-0.535 χ^2/NDF :103.8/13

Left: 14.296+/-0.370 χ^2/NDF : 425.2/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 13.039+/-0.535 χ^2/NDF :103.8/13
 Out: 15.446+/-0.512 χ^2/NDF :310.9/15
 All: 14.296+/-0.370 χ^2/NDF : 425.2/29

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: -0.569 ± 0.383 χ^2/NDF : 27.4/13

Left: -1.014 ± 0.264 χ^2/NDF : 58.1/29

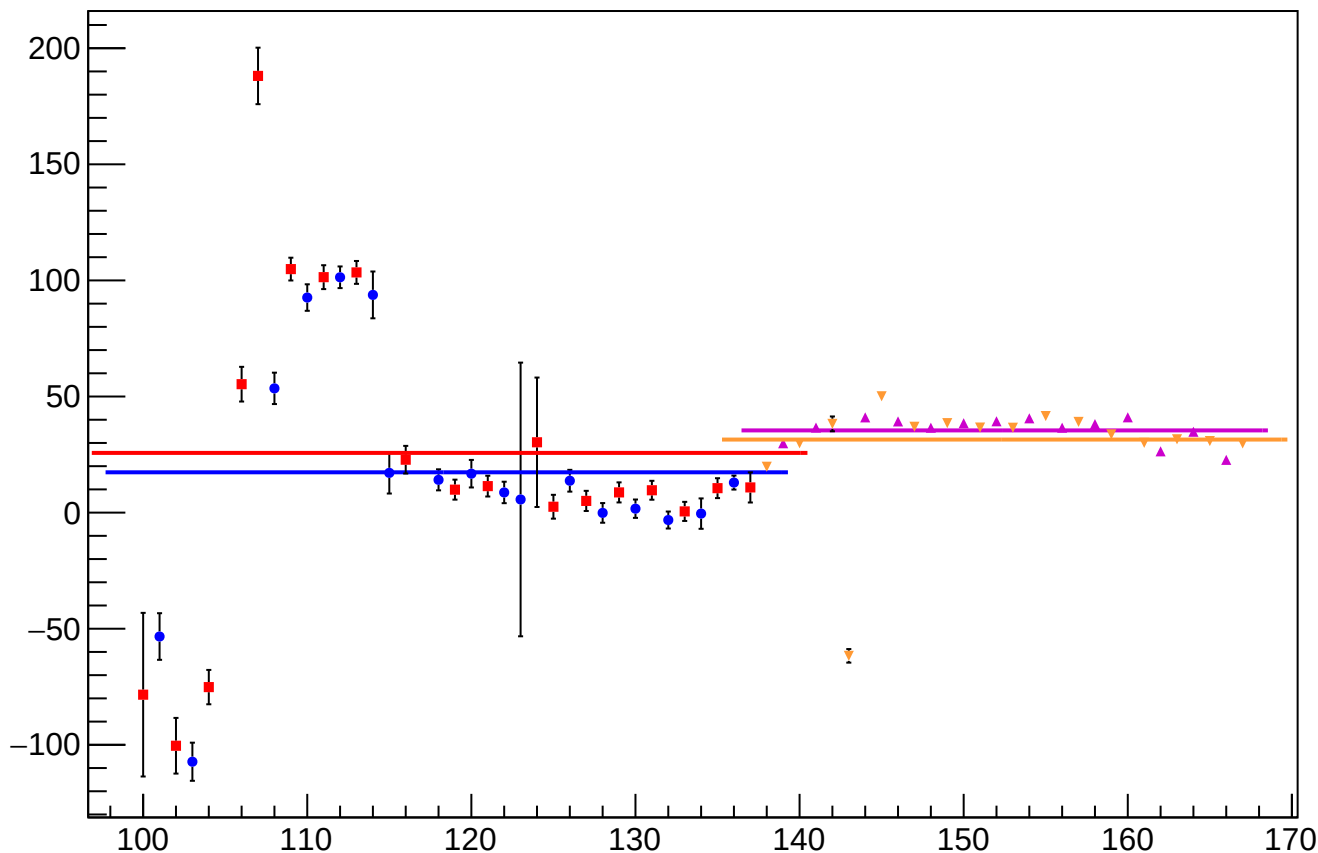
Right: -0.275 ± 0.466 χ^2/NDF : 202.7/35

In: -0.497 ± 0.331 χ^2/NDF : 147.1/30

Out: -1.145 ± 0.318 χ^2/NDF : 113.6/34

All: -0.835 ± 0.229 χ^2/NDF : 262.7/65

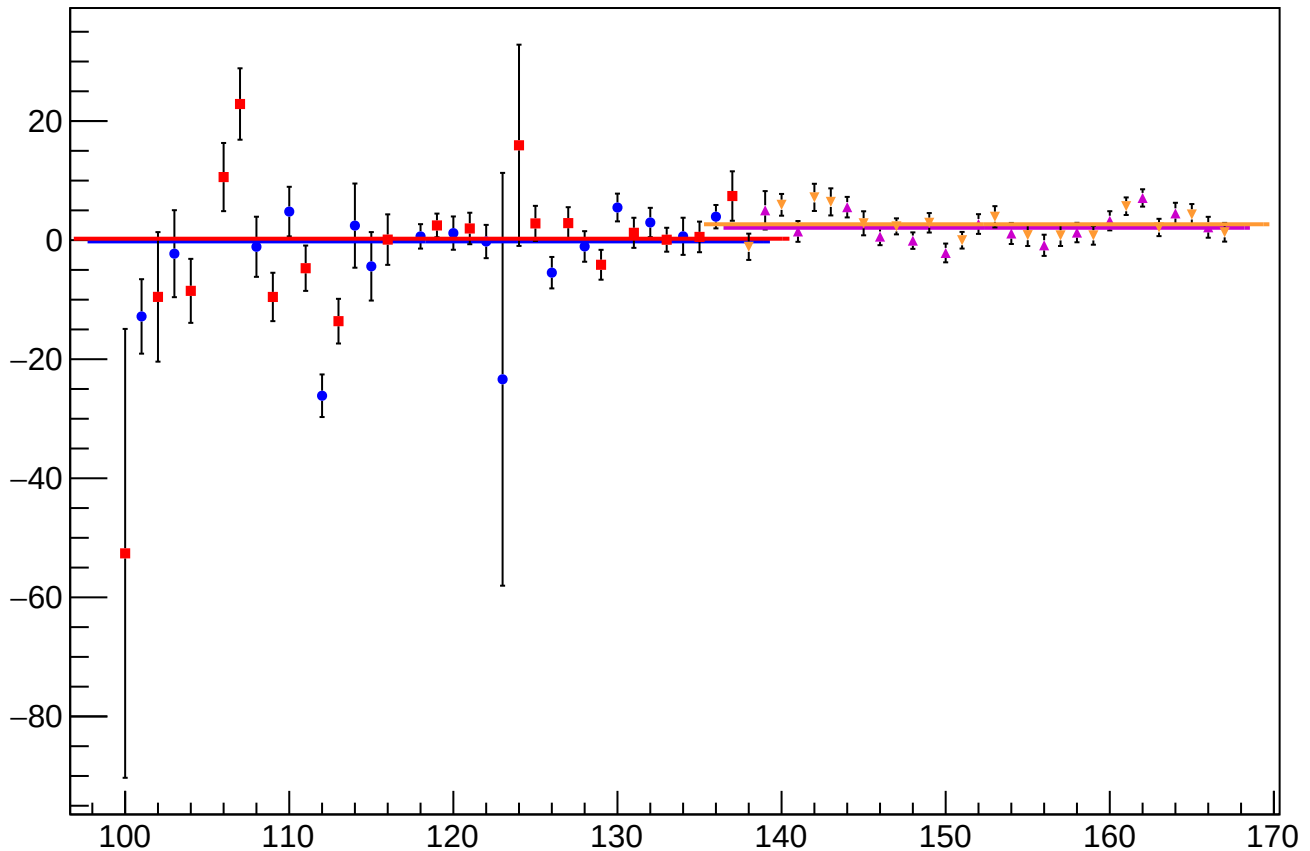
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 35.408 ± 0.522 $\chi^2/\text{NDF}: 119.1/13$

Left: 33.364 ± 0.362 $\chi^2/\text{NDF}: 1350.8/29$
 Right: 21.552 ± 0.880 $\chi^2/\text{NDF}: 2344.4/35$
 In: 32.720 ± 0.481 $\chi^2/\text{NDF}: 1240.4/30$
 Out: 30.653 ± 0.466 $\chi^2/\text{NDF}: 2599.3/34$
 All: 31.654 ± 0.335 $\chi^2/\text{NDF}: 3849.1/65$

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: 2.078 ± 0.446 χ^2/NDF : 33.3/13

Left: 2.386 ± 0.307 χ^2/NDF : 60.7/29

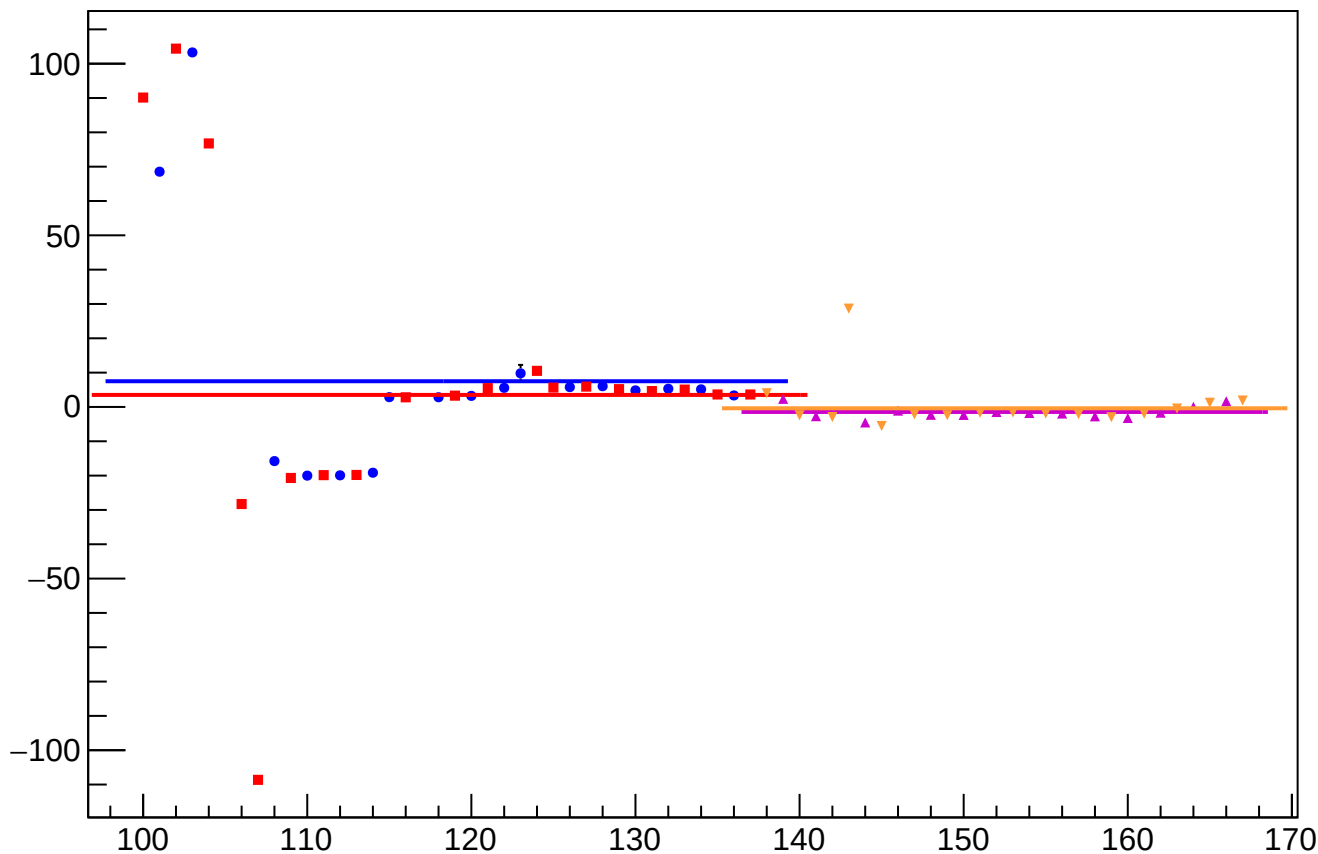
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.483 ± 0.383 χ^2/NDF : 116.0/30

Out: 2.076 ± 0.369 χ^2/NDF : 89.0/34

All: 1.791 ± 0.266 χ^2/NDF : 206.2/65

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492+/-0.045 χ^2/NDF : 355979.0/16

Left Out: -0.387+/-0.020 χ^2/NDF : 75167.1/15

Right Out: 3.504+/-0.046 χ^2/NDF : 510579.4/18

Left In: -1.456+/-0.021 χ^2/NDF : 7073.9/13

Left: -0.900+/-0.014 χ^2/NDF : 83646.0/29

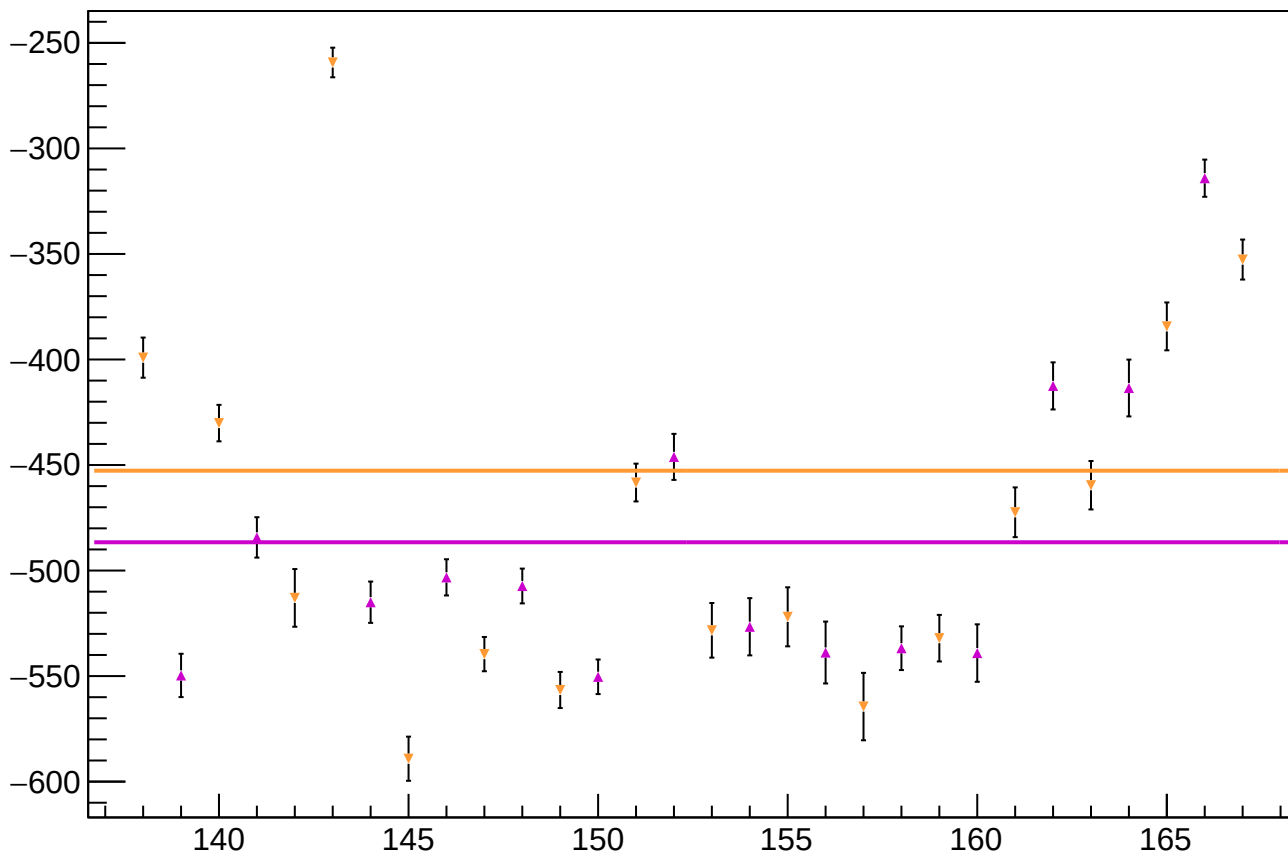
Right: 5.541+/-0.032 χ^2/NDF : 870462.8/35

In: 0.112+/-0.019 χ^2/NDF : 396203.4/30

Out: 0.228+/-0.018 χ^2/NDF : 591869.9/34

All: 0.171+/-0.013 χ^2/NDF : 988093.1/65

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: -486.597+/-2.734 χ^2/NDF :647.7/13

Left: -468.260+/-1.853 χ^2/NDF : 2291.1/29

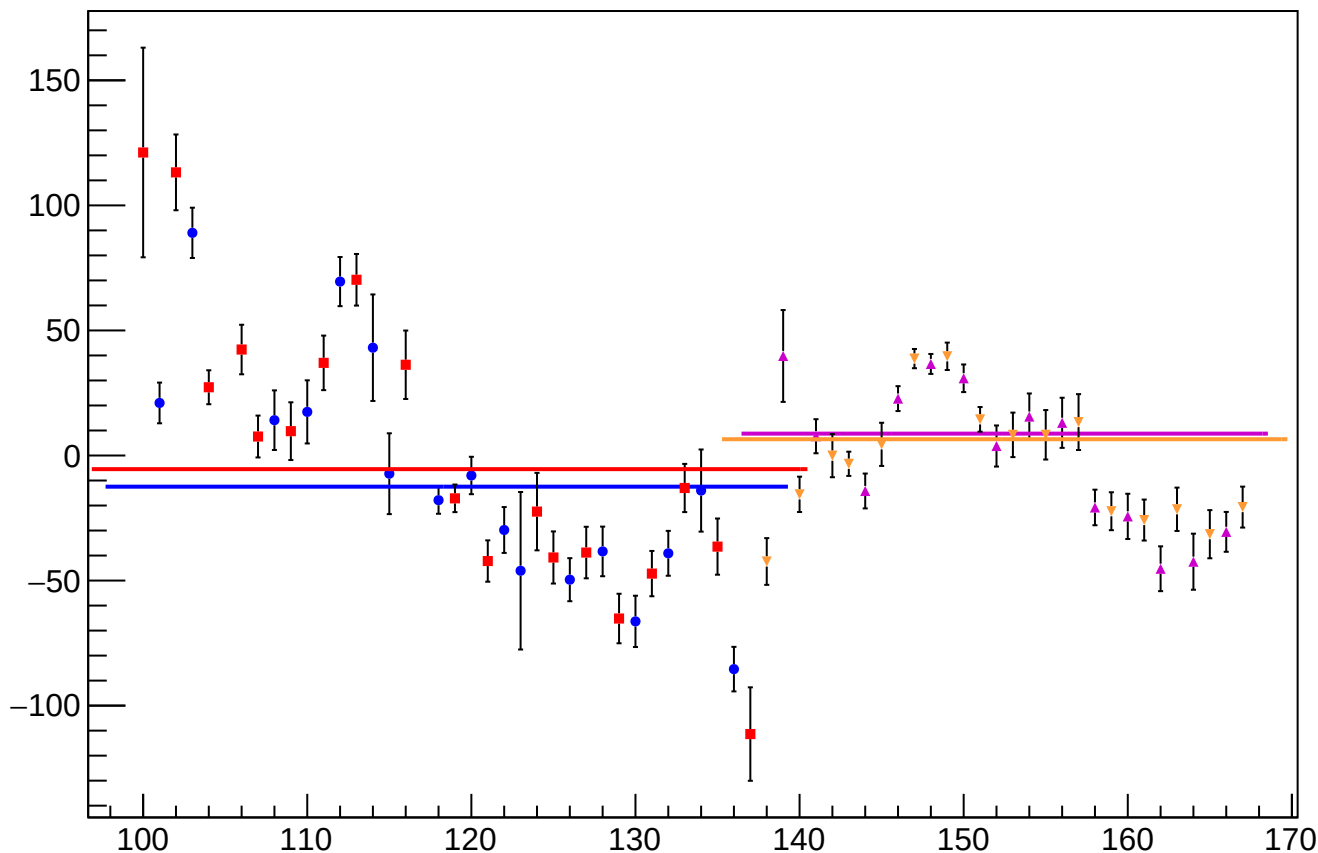
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -486.597+/-2.734 χ^2/NDF :647.7/13

Out: -452.684+/-2.520 χ^2/NDF :1560.2/15

All: -468.260+/-1.853 χ^2/NDF : 2291.1/29

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: 8.749 ± 1.871 χ^2/NDF : 199.7/13

Left: 7.523 ± 1.259 χ^2/NDF : 419.2/29

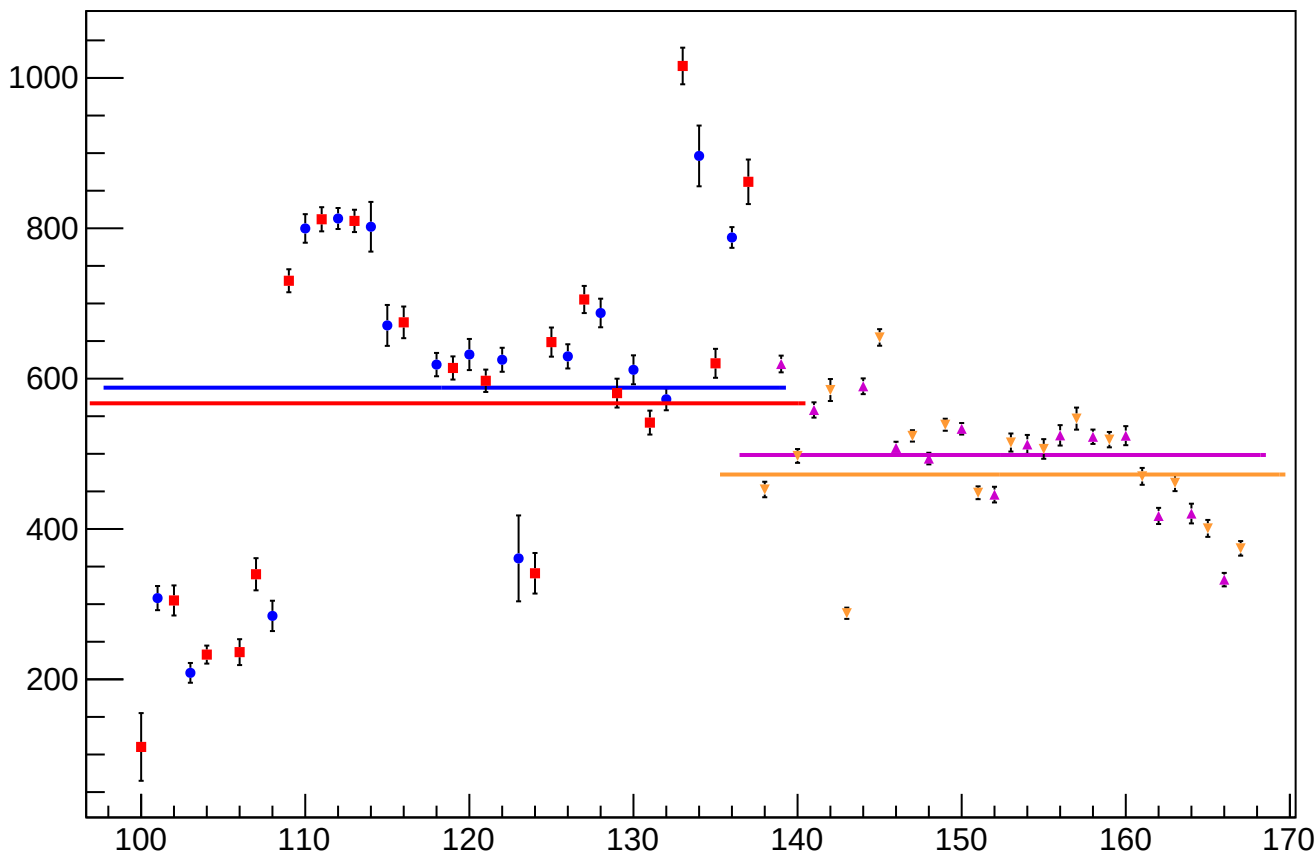
Right: -8.819 ± 1.628 χ^2/NDF : 690.7/35

In: 0.517 ± 1.463 χ^2/NDF : 590.6/30

Out: 2.178 ± 1.359 χ^2/NDF : 581.6/34

All: 1.409 ± 0.996 χ^2/NDF : 1173.0/65

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 472.463 ± 2.498 χ^2/NDF : 1282.9/15

Right Out: 567.179 ± 4.136 χ^2/NDF : 2783.2/18

Left In: 498.444 ± 2.667 χ^2/NDF : 726.8/13

Left: 484.601 ± 1.823 χ^2/NDF : 2060.3/29

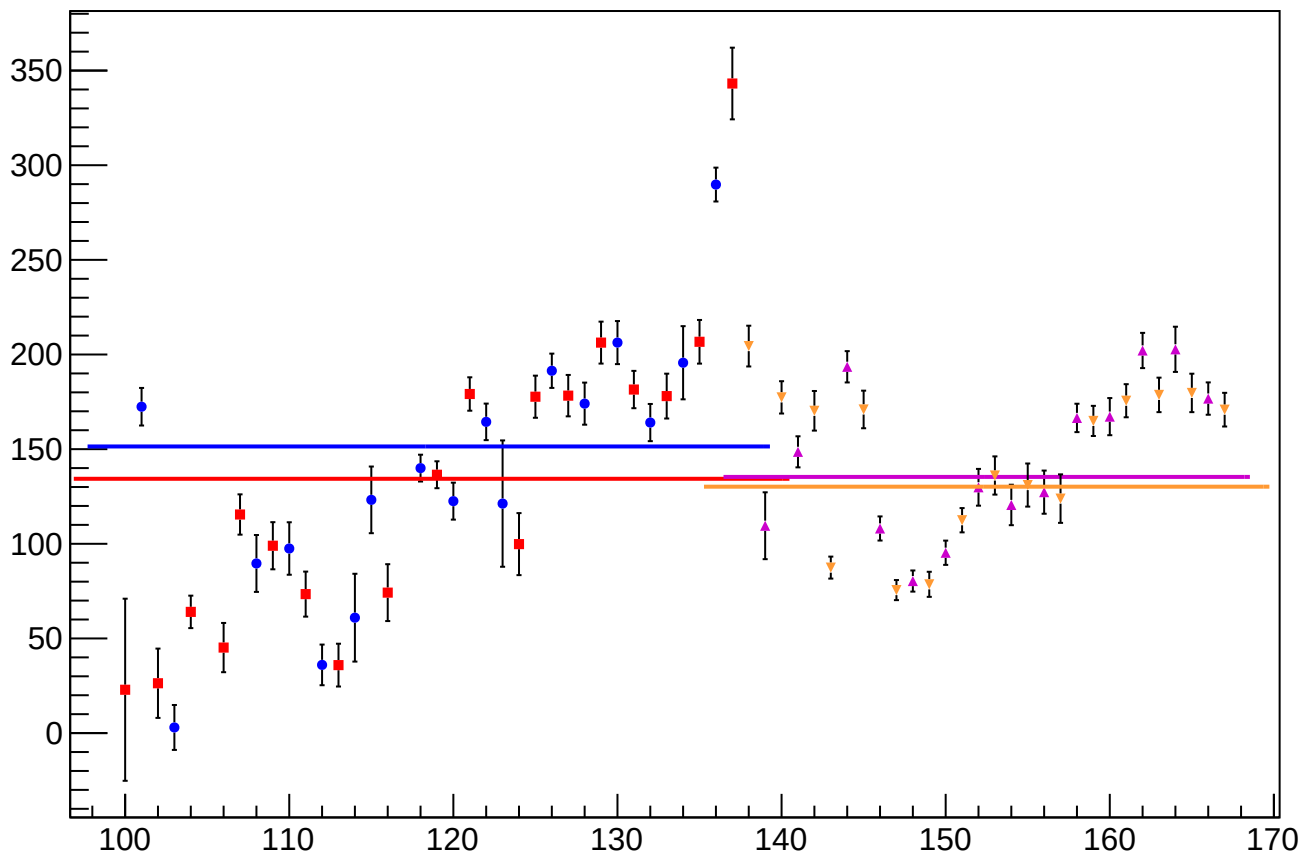
Right: 577.056 ± 2.998 χ^2/NDF : 4924.8/35

In: 522.893 ± 2.274 χ^2/NDF : 3164.2/30

Out: 497.775 ± 2.138 χ^2/NDF : 4450.4/34

All: 509.559 ± 1.558 χ^2/NDF : 7679.3/65

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 130.177 $\pm$ 2.038 χ^2 /NDF: 457.8/15

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

Left In: 135.336 $\pm$ 2.229 χ^2 /NDF: 346.0/13

Left: 132.526 $\pm$ 1.504 χ^2 /NDF: 806.7/29

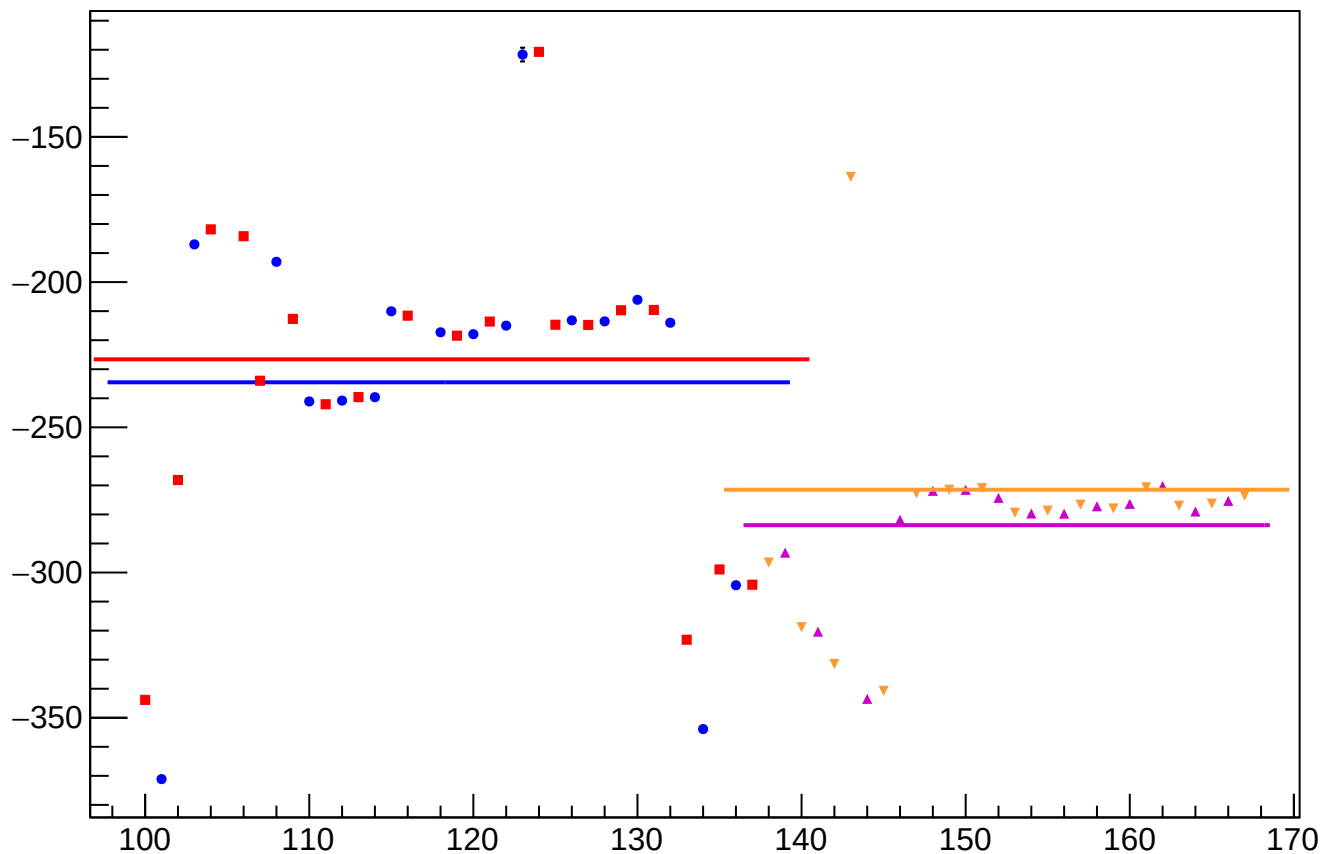
Right: 142.583 $\pm$ 1.882 χ^2 /NDF: 1238.7/35

In: 141.831 $\pm$ 1.721 χ^2 /NDF: 1000.3/30

Out: 131.752 $\pm$ 1.608 χ^2 /NDF: 1044.3/34

All: 136.447 $\pm$ 1.175 χ^2 /NDF: 2062.9/65

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: -283.690+/-0.107 χ^2/NDF : 31057.6/13

Left: -277.196+/-0.073 χ^2/NDF : 220946.7/29

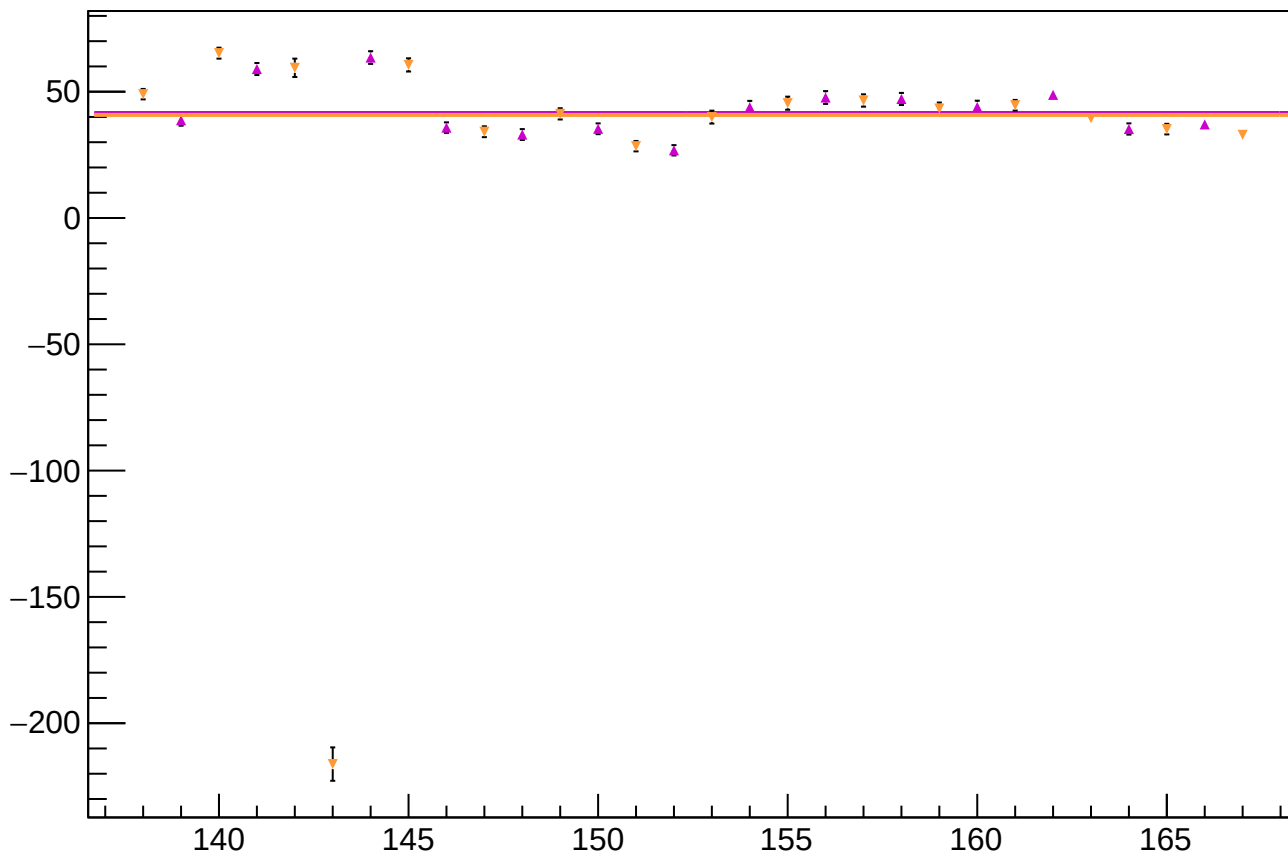
Right: -230.333+/-0.103 χ^2/NDF : 245501.4/35

In: -266.880+/-0.087 χ^2/NDF : 247816.6/30

Out: -256.361+/-0.082 χ^2/NDF : 348846.1/34

All: -261.306+/-0.060 χ^2/NDF : 604388.7/65

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: 41.558+/-0.592 χ^2/NDF :256.3/13

Left: 41.173+/-0.413 χ^2/NDF : 2079.6/29

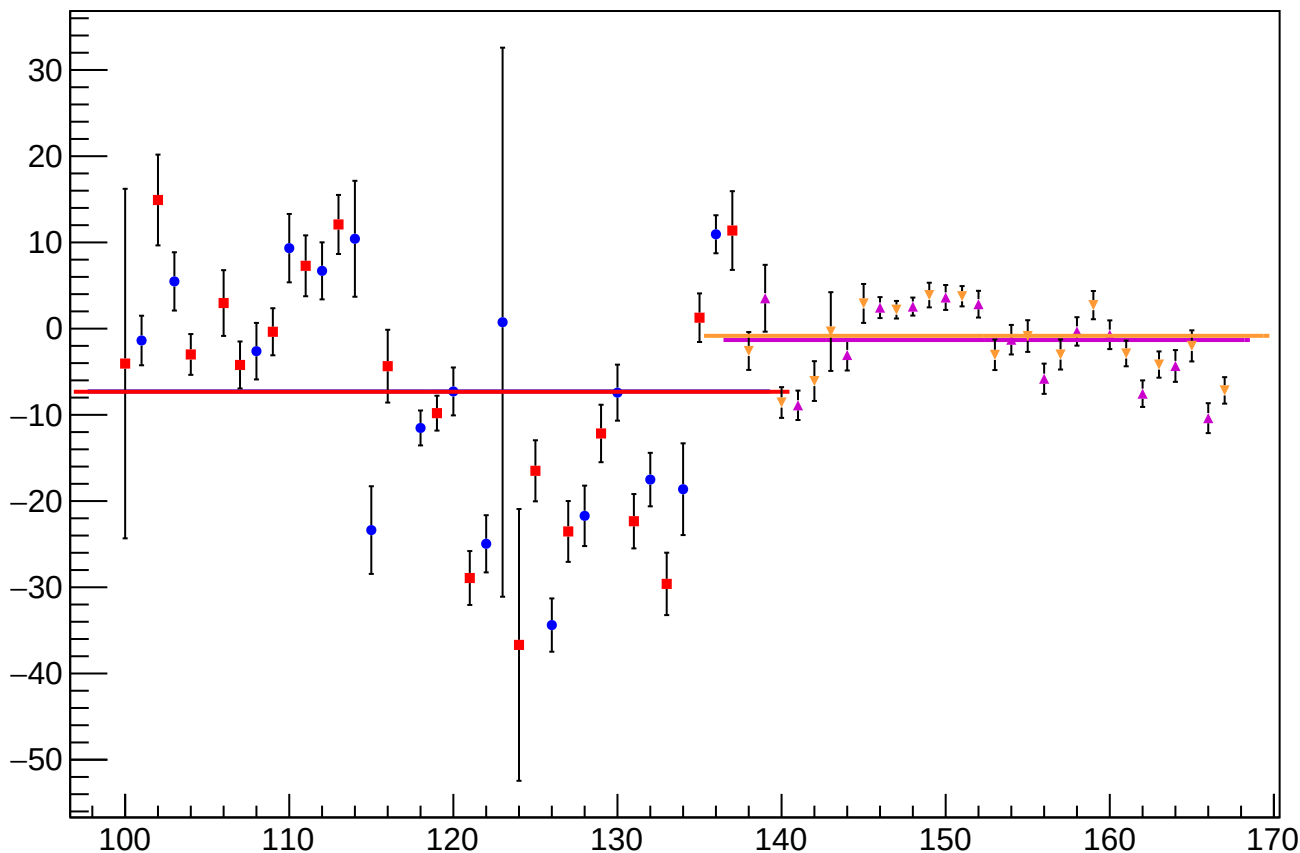
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 41.558+/-0.592 χ^2/NDF :256.3/13

Out: 40.808+/-0.577 χ^2/NDF :1822.5/15

All: 41.173+/-0.413 χ^2/NDF : 2079.6/29

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: -1.322 ± 0.421 χ^2/NDF : 117.7/13

Left: -1.069 ± 0.292 χ^2/NDF : 212.7/29

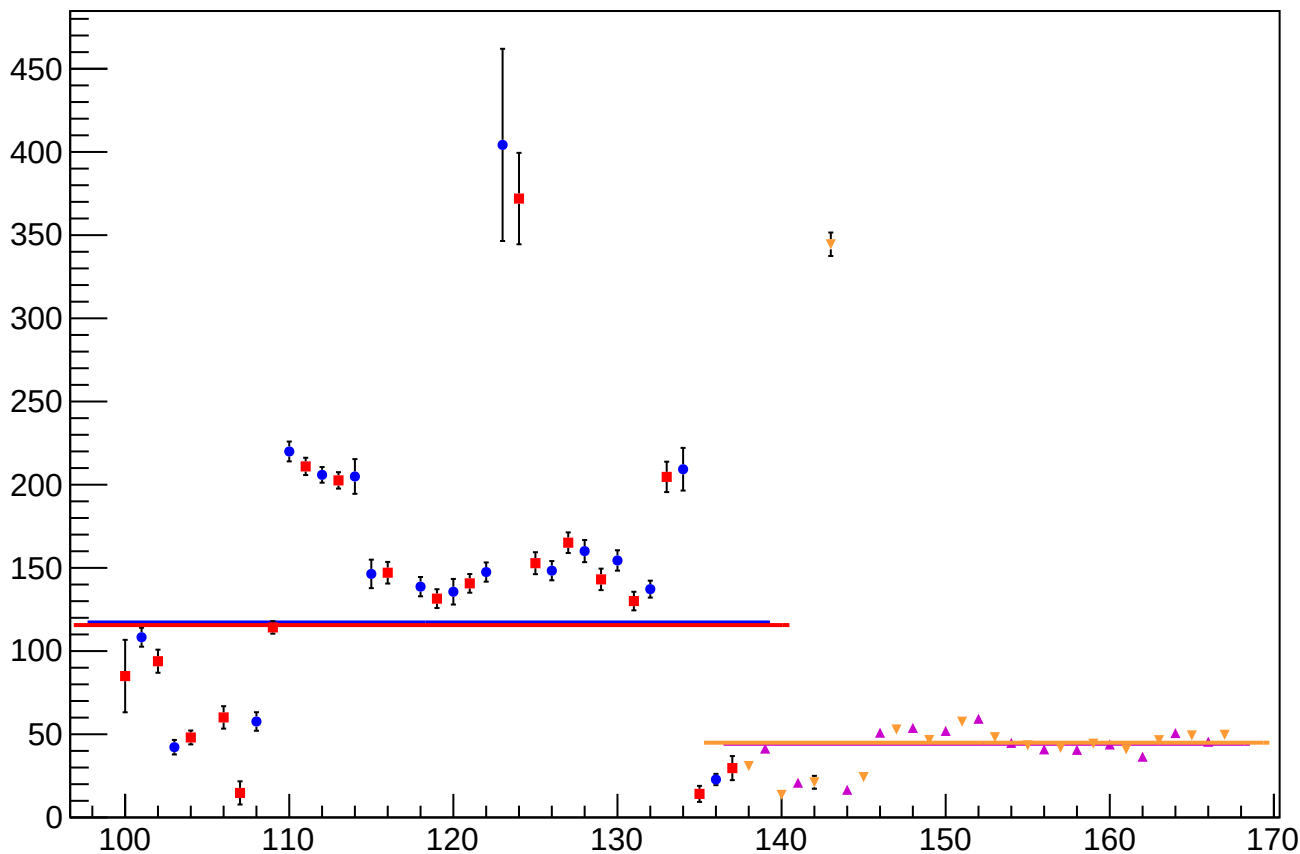
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -2.643 ± 0.371 χ^2/NDF : 445.4/30

Out: -2.272 ± 0.358 χ^2/NDF : 406.2/34

All: -2.451 ± 0.258 χ^2/NDF : 852.2/65

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: 44.278+/-0.576 χ^2/NDF : 331.9/13

Left: 44.611+/-0.403 χ^2/NDF : 2529.8/29

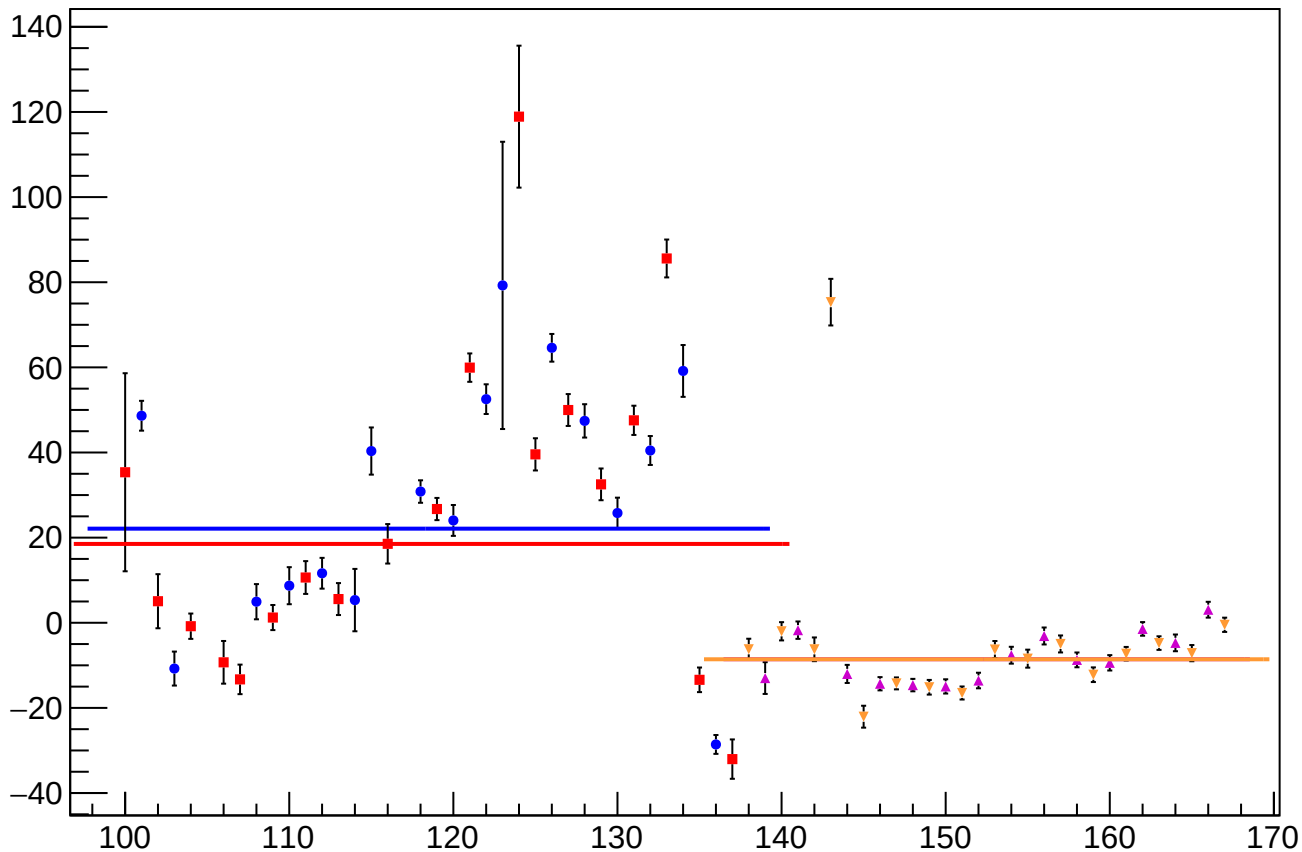
Right: 116.378+/-0.981 χ^2/NDF : 4299.2/35

In: 54.637+/-0.534 χ^2/NDF : 4766.3/30

Out: 55.307+/-0.521 χ^2/NDF : 6637.3/34

All: 54.980+/-0.373 χ^2/NDF : 11404.4/65

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 ± 0.898 $\chi^2/\text{NDF}: 1070.3/16$

Left Out: -8.578 ± 0.474 $\chi^2/\text{NDF}: 370.1/15$

Right Out: 18.521 ± 0.871 $\chi^2/\text{NDF}: 1068.6/18$

Left In: -8.562 ± 0.491 $\chi^2/\text{NDF}: 138.9/13$

Left: -8.570 ± 0.341 $\chi^2/\text{NDF}: 508.9/29$

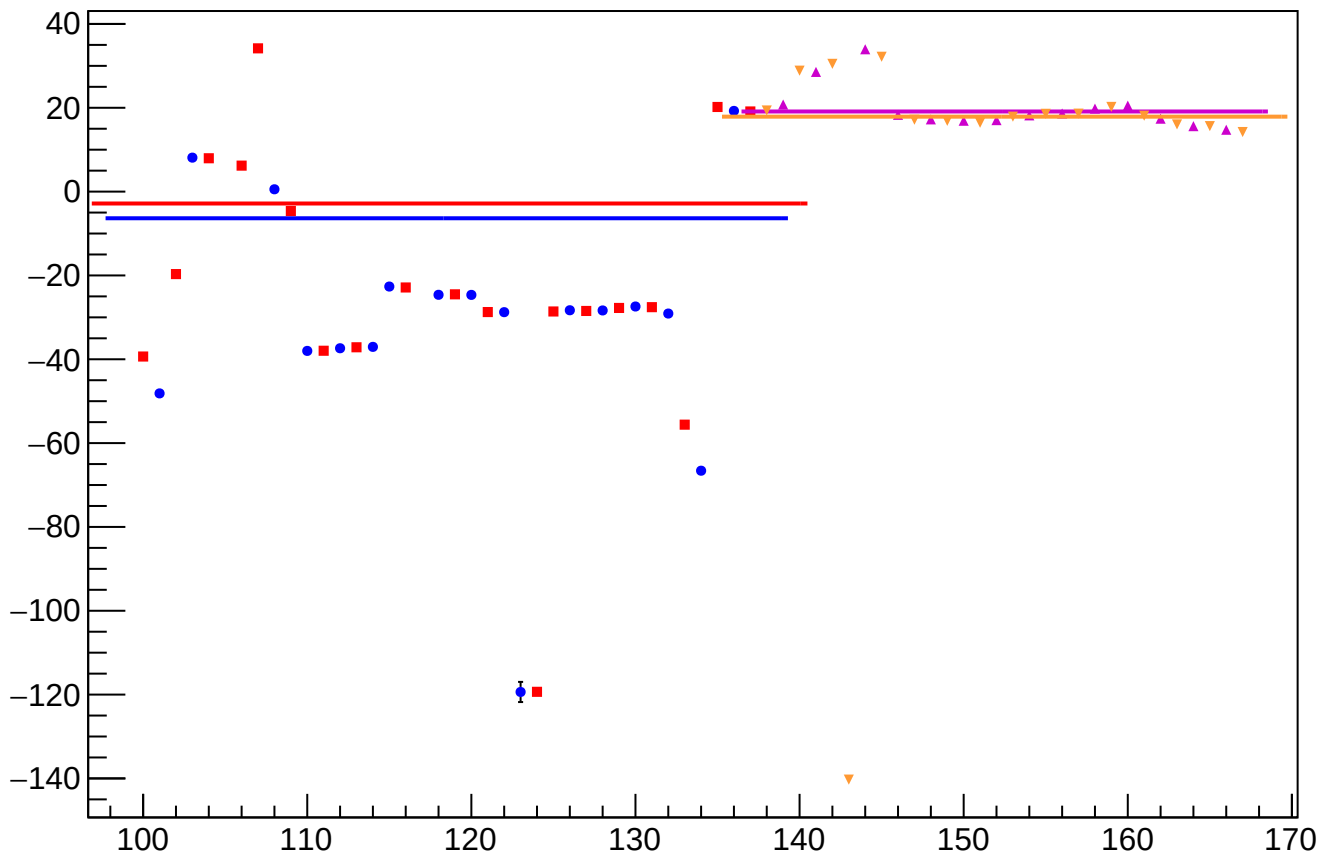
Right: 20.261 ± 0.625 $\chi^2/\text{NDF}: 2147.1/35$

In: -1.508 ± 0.431 $\chi^2/\text{NDF}: 2107.2/30$

Out: -2.380 ± 0.417 $\chi^2/\text{NDF}: 2184.9/34$

All: -1.959 ± 0.299 $\chi^2/\text{NDF}: 4294.2/65$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 17.881 ± 0.022 $\chi^2/\text{NDF}: 353834.3/15$

Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

Left In: 19.116 ± 0.023 $\chi^2/\text{NDF}: 31919.8/13$

Left: 18.483 ± 0.016 $\chi^2/\text{NDF}: 387257.6/29$

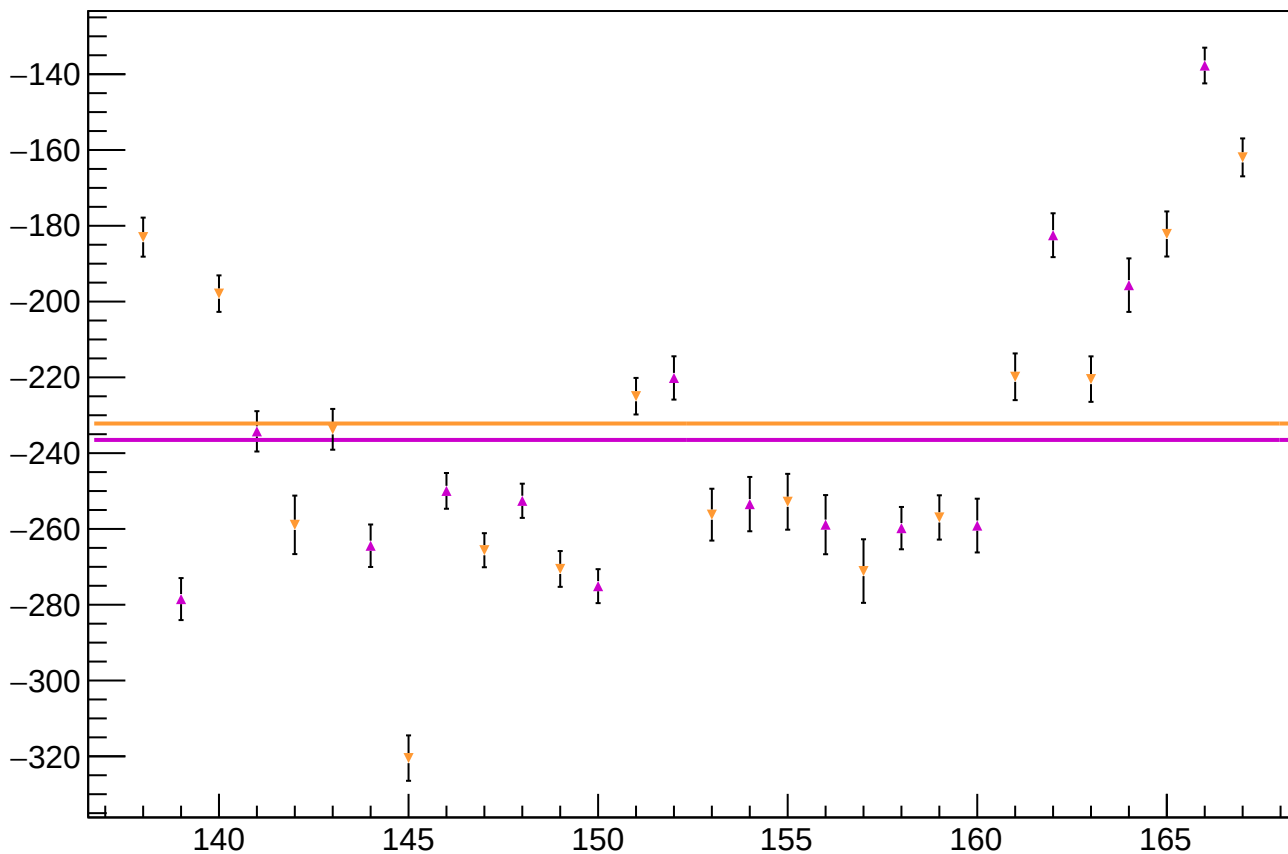
Right: -4.577 ± 0.033 $\chi^2/\text{NDF}: 533252.4/35$

In: 14.151 ± 0.020 $\chi^2/\text{NDF}: 540273.6/30$

Out: 13.925 ± 0.020 $\chi^2/\text{NDF}: 785357.6/34$

All: 14.035 ± 0.014 $\chi^2/\text{NDF}: 1325693.6/65$

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: -236.512+/-1.480 χ^2/NDF : 786.8/13

Left: -234.243+/-1.021 χ^2/NDF : 1621.0/29

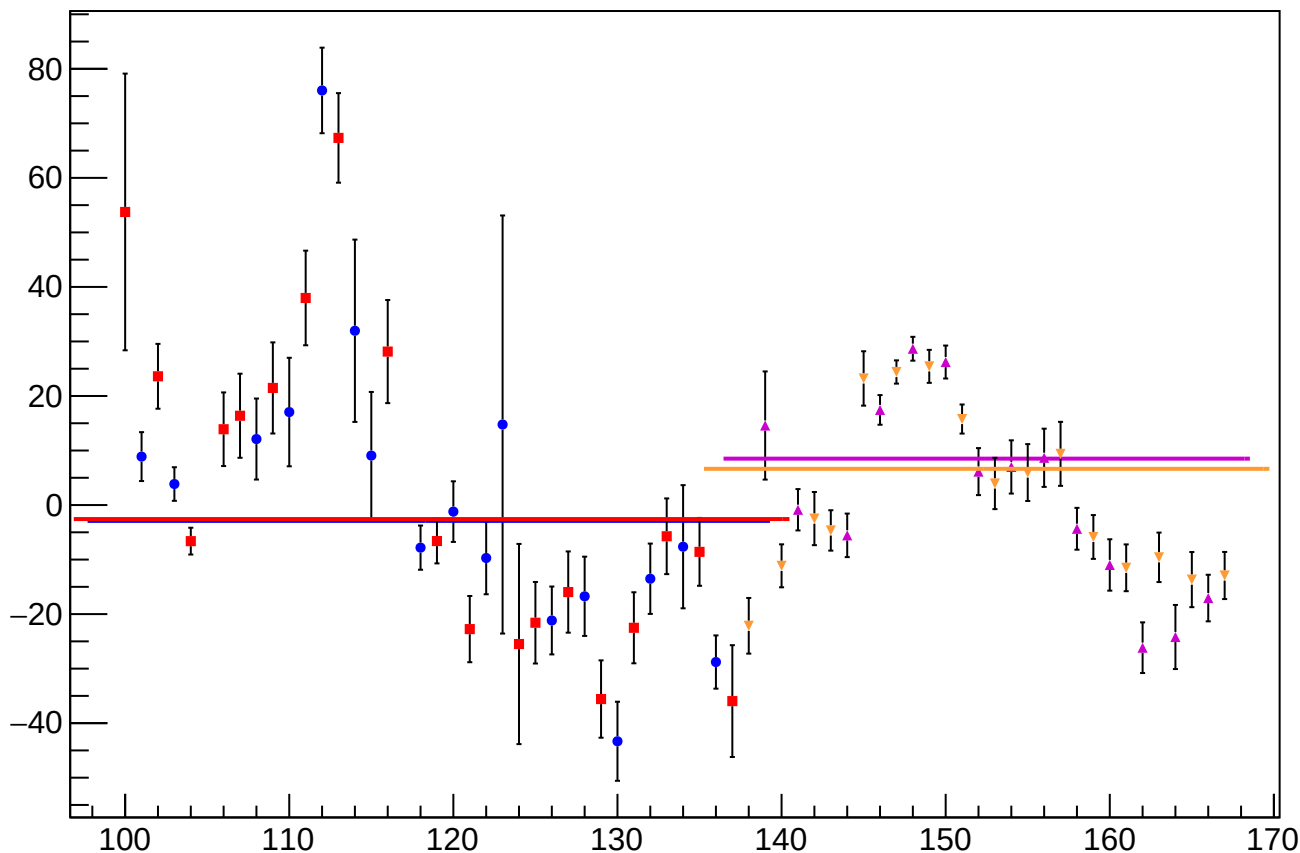
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -236.512+/-1.480 χ^2/NDF : 786.8/13

Out: -232.181+/-1.410 χ^2/NDF : 829.8/15

All: -234.243+/-1.021 χ^2/NDF : 1621.0/29

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: 8.509 ± 1.015 χ^2/NDF : 300.3/13

Left: 7.519 ± 0.696 χ^2/NDF : 575.5/29

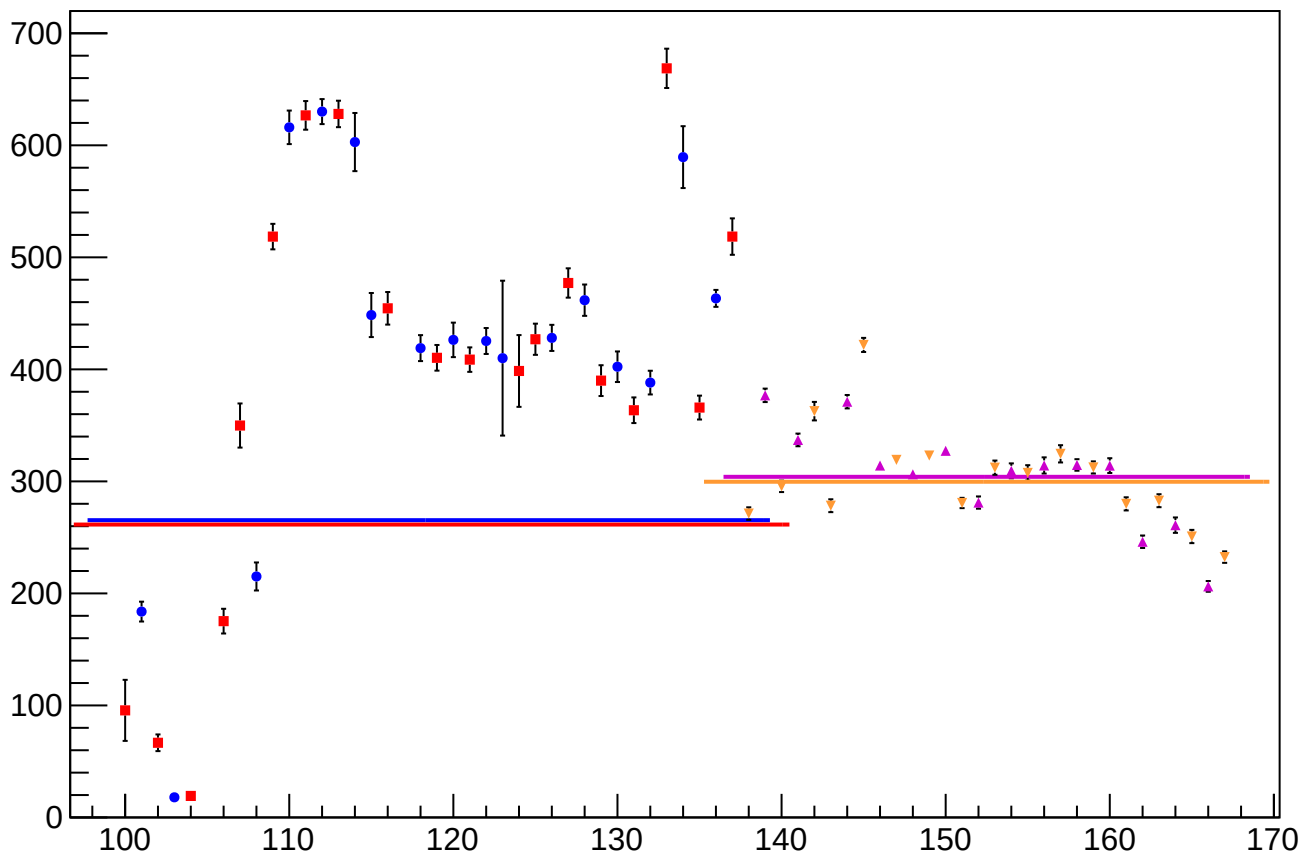
Right: -2.728 ± 1.011 χ^2/NDF : 421.8/35

In: 4.815 ± 0.835 χ^2/NDF : 544.8/30

Out: 3.708 ± 0.788 χ^2/NDF : 521.3/34

All: 4.230 ± 0.573 χ^2/NDF : 1067.0/65

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 299.677 $\pm$ 1.390 χ^2 /NDF:823.6/15

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

Left In: 304.077 $\pm$ 1.442 χ^2 /NDF:930.9/13

Left: 301.796 $\pm$ 1.000 χ^2 /NDF: 1759.3/29

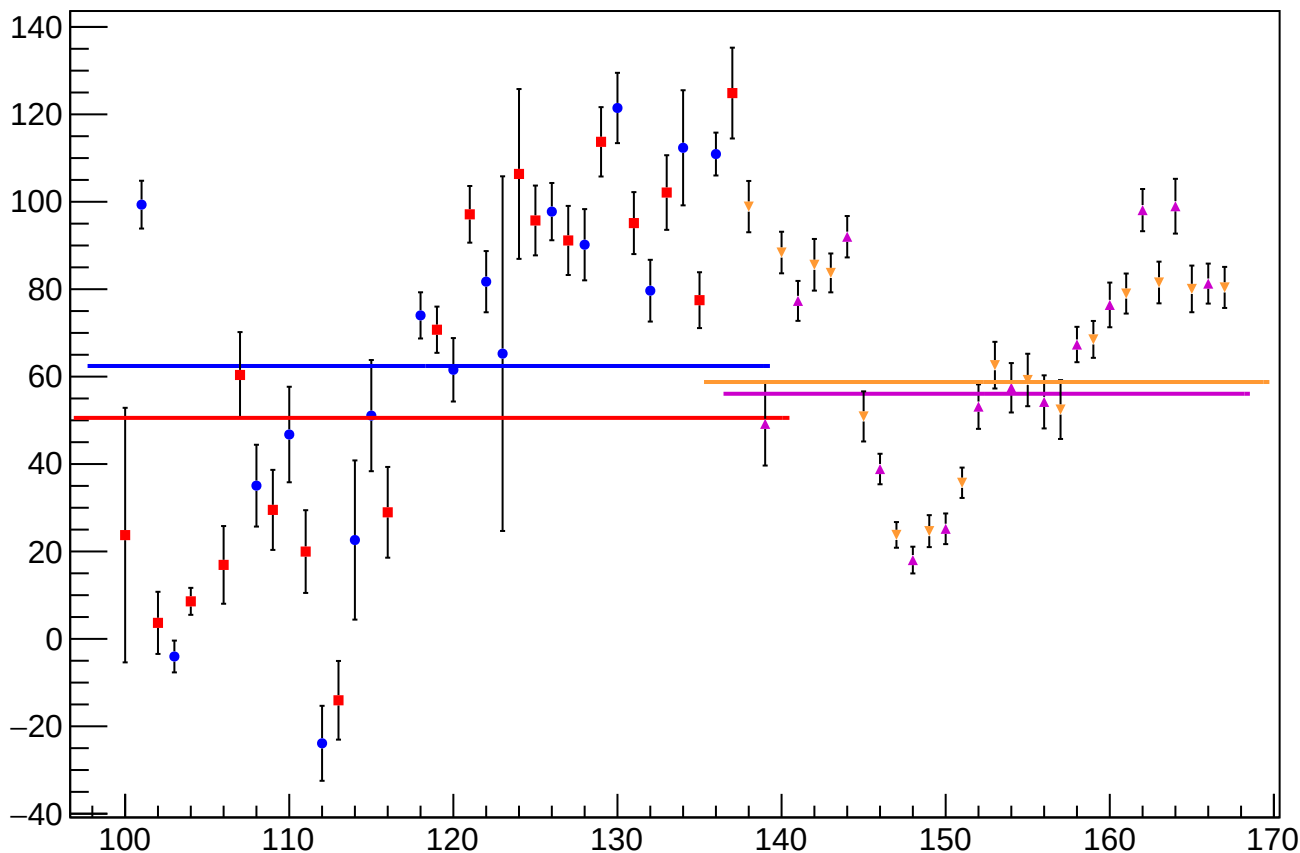
Right: 263.393 $\pm$ 1.749 χ^2 /NDF: 15839.3/35

In: 294.348 $\pm$ 1.247 χ^2 /NDF:8745.9/30

Out: 290.422 $\pm$ 1.210 χ^2 /NDF:9211.1/34

All: 292.325 $\pm$ 0.868 χ^2 /NDF: 17962.1/65

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: 56.078+/-1.207 χ^2/NDF : 513.4/13

Left: 57.501+/-0.829 χ^2/NDF : 1014.6/29

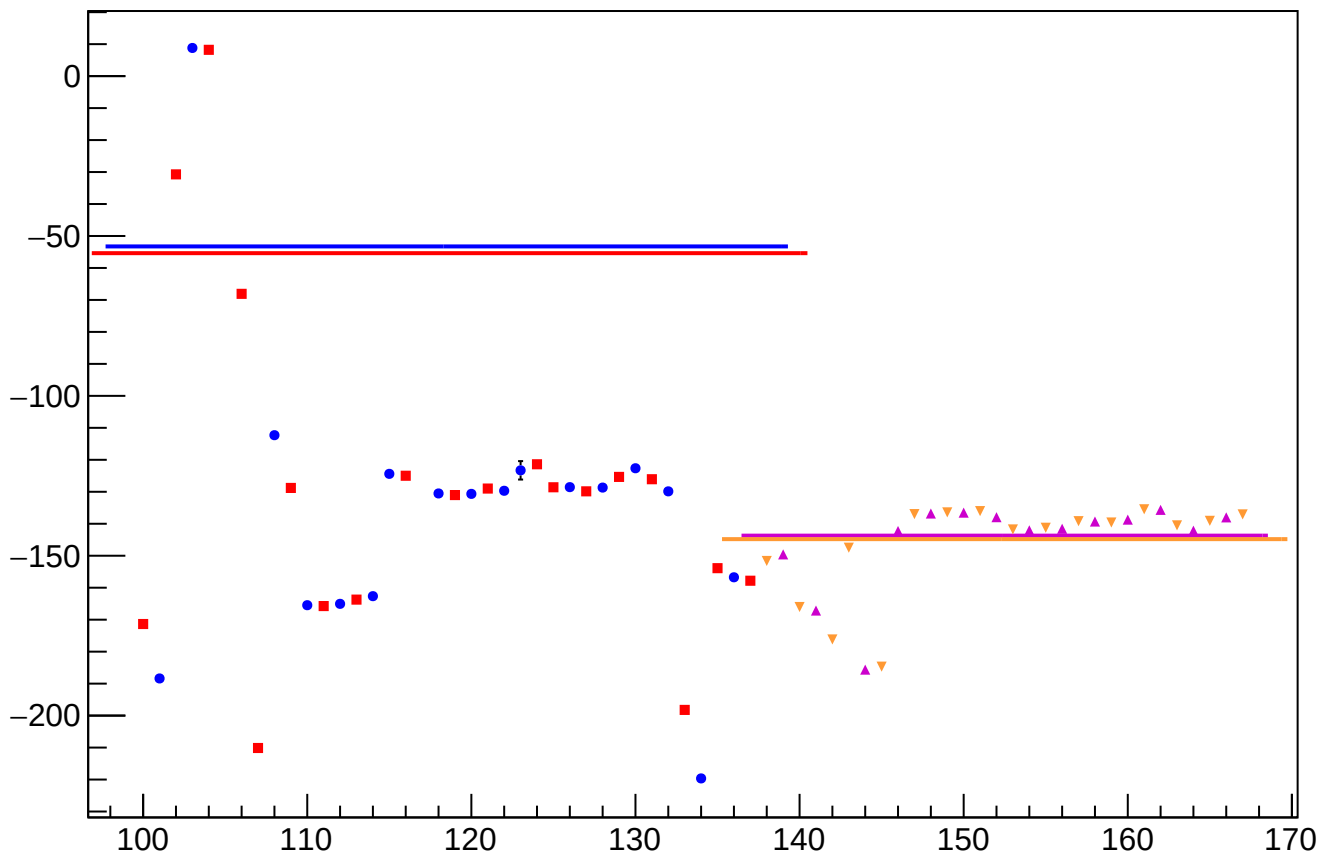
Right: 56.313+/-1.179 χ^2/NDF : 1404.5/35

In: 58.219+/-0.983 χ^2/NDF : 1244.5/30

Out: 56.100+/-0.936 χ^2/NDF : 1172.9/34

All: 57.108+/-0.678 χ^2/NDF : 2419.8/65

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: -143.718 ± 0.058 $\chi^2/\text{NDF}: 43755.3/13$

Left: -144.284 ± 0.040 $\chi^2/\text{NDF}: 99759.1/29$

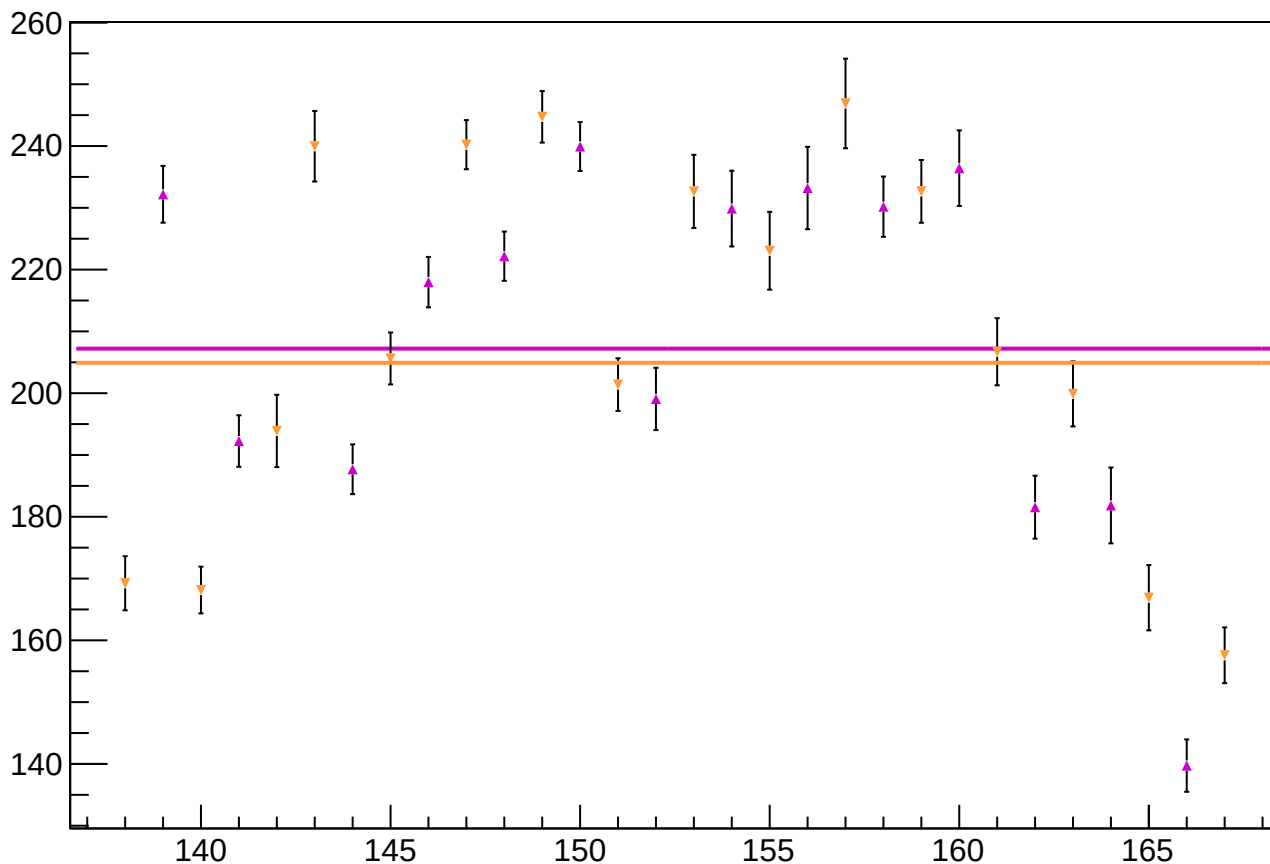
Right: -54.295 ± 0.050 $\chi^2/\text{NDF}: 2192958.9/35$

In: -107.233 ± 0.045 $\chi^2/\text{NDF}: 2253917.2/30$

Out: -111.147 ± 0.044 $\chi^2/\text{NDF}: 1986433.7/34$

All: -109.216 ± 0.031 $\chi^2/\text{NDF}: 4244231.0/65$

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: 207.214+/-1.259 χ^2/NDF : 527.1/13

Left: 206.025+/-0.873 χ^2/NDF : 1158.3/29

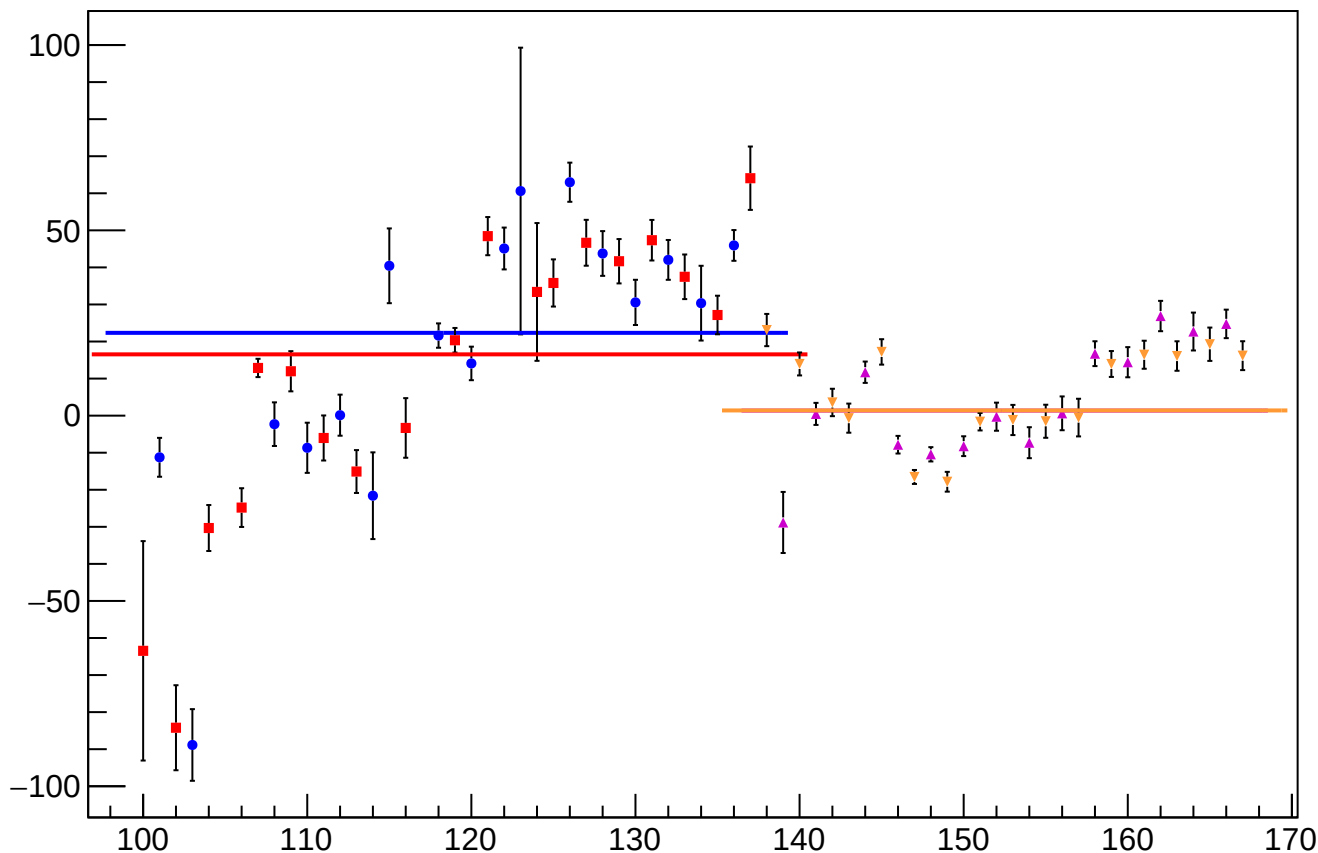
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 207.214+/-1.259 χ^2/NDF : 527.1/13

Out: 204.922+/-1.212 χ^2/NDF : 629.4/15

All: 206.025+/-0.873 χ^2/NDF : 1158.3/29

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: 1.406 $\pm$ 0.827 χ^2 /NDF:280.9/15

Right Out: 16.537 $\pm$ 1.227 χ^2 /NDF: 426.6/18

Left In: 1.363 $\pm$ 0.869 χ^2 /NDF:220.8/13

Left: 1.385 $\pm$ 0.599 χ^2 /NDF: 501.6/29

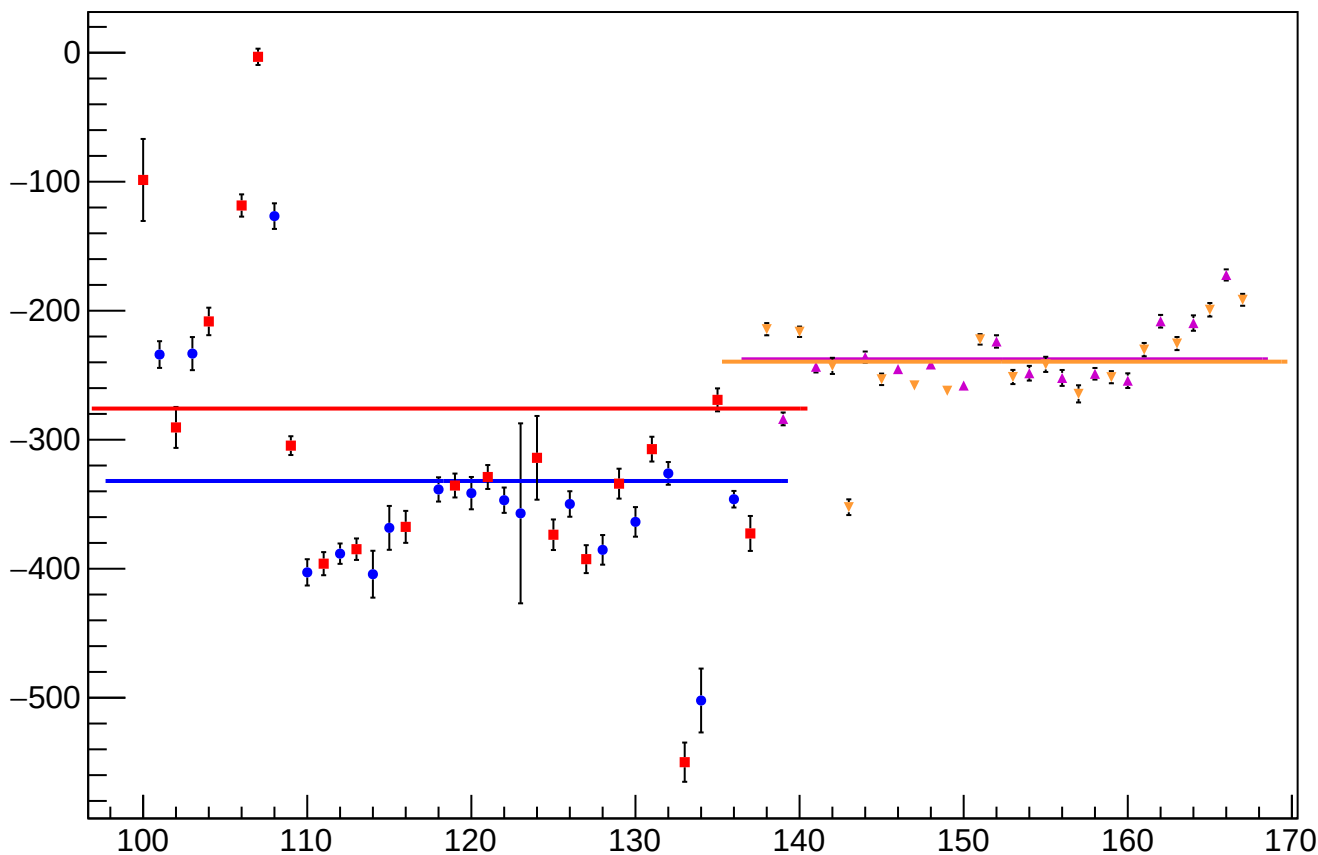
Right: 19.069 $\pm$ 0.922 χ^2 /NDF: 822.2/35

In: 7.229 $\pm$ 0.738 χ^2 /NDF:769.5/30

Out: 6.131 $\pm$ 0.686 χ^2 /NDF:812.0/34

All: 6.640 $\pm$ 0.502 χ^2 /NDF: 1582.6/65

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989 $\pm$ 2.580 χ^2 /NDF: 785.0/16

Left Out: -239.488 $\pm$ 1.198 χ^2 /NDF:692.3/15

Right Out: -275.842 $\pm$ 2.325 χ^2 /NDF: 3362.2/18

Left In: -237.669 $\pm$ 1.232 χ^2 /NDF:442.4/13

Left: -238.604 $\pm$ 0.859 χ^2 /NDF: 1135.8/29

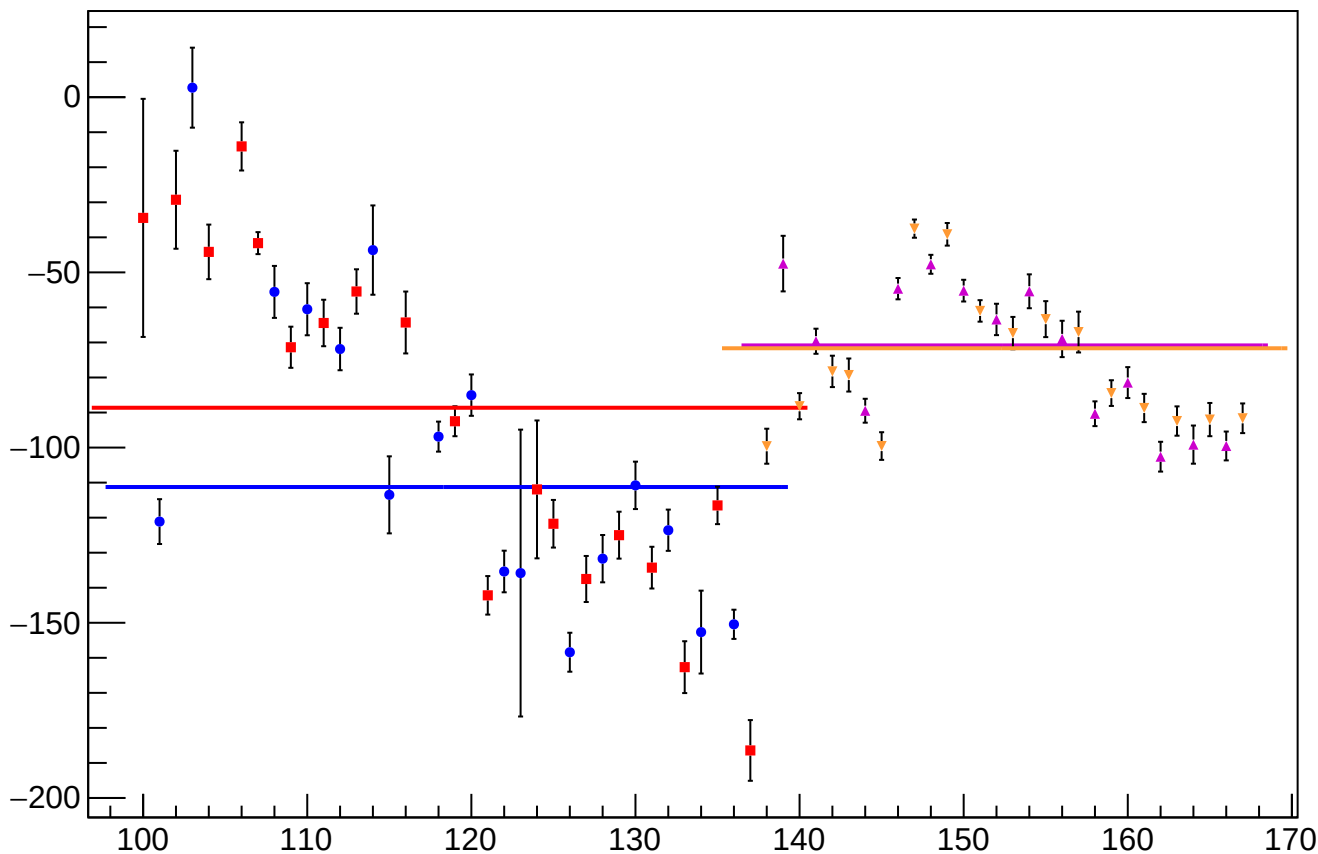
Right: -300.997 $\pm$ 1.727 χ^2 /NDF: 4408.6/35

In: -255.182 $\pm$ 1.112 χ^2 /NDF:2315.5/30

Out: -247.118 $\pm$ 1.065 χ^2 /NDF:4247.7/34

All: -250.976 $\pm$ 0.769 χ^2 /NDF: 6590.7/65

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -71.658 ± 0.986 χ^2/NDF : 491.4/15

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

Left In: -70.843 ± 1.032 χ^2/NDF : 346.5/13

Left: -71.270 ± 0.713 χ^2/NDF : 838.3/29

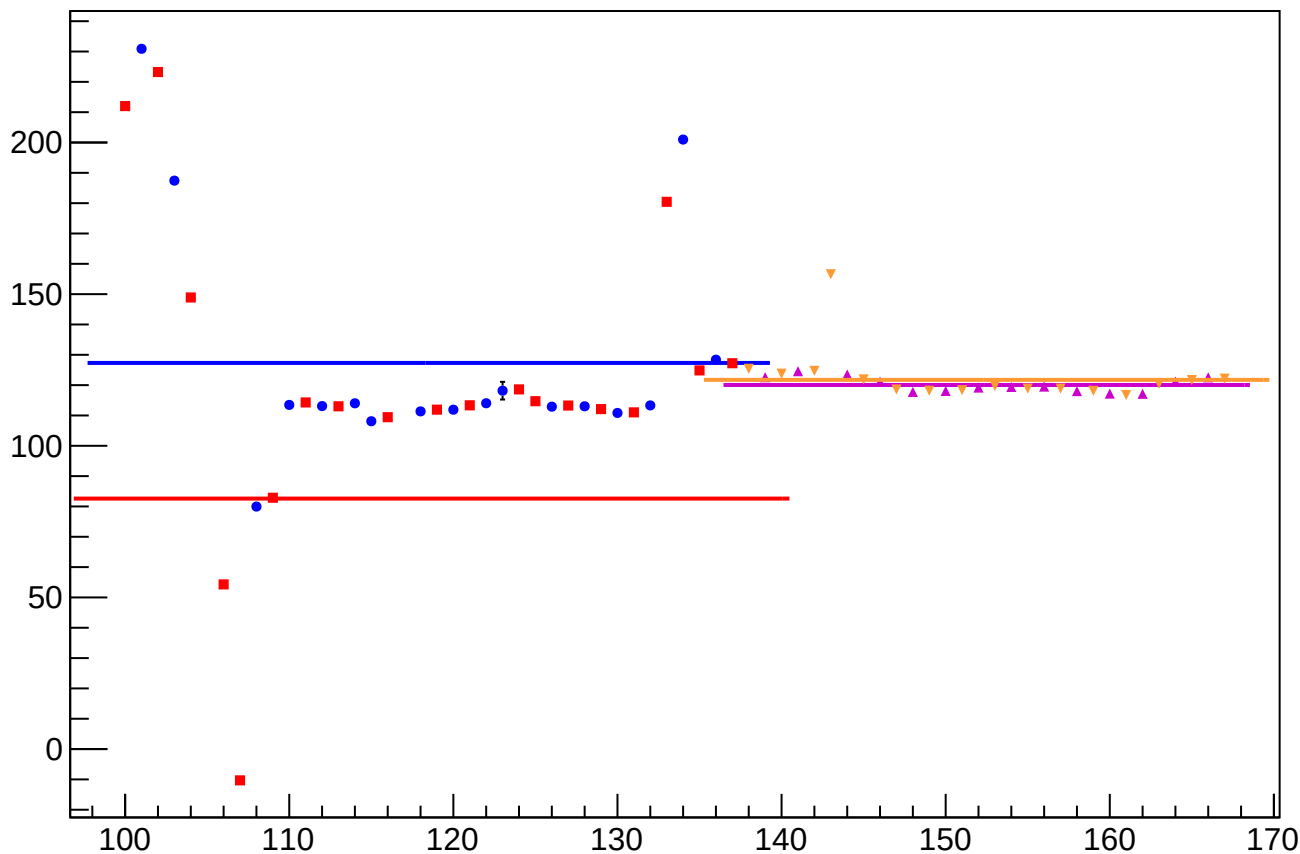
Right: -98.723 ± 1.067 χ^2/NDF : 1591.7/35

In: -82.752 ± 0.867 χ^2/NDF : 1307.7/30

Out: -77.113 ± 0.812 χ^2/NDF : 1557.6/34

All: -79.749 ± 0.593 χ^2/NDF : 2887.8/65

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: 120.055 $\pm$ 0.049 χ^2 /NDF: 2391.8/13

Left: 120.921 $\pm$ 0.035 χ^2 /NDF: 26667.0/29

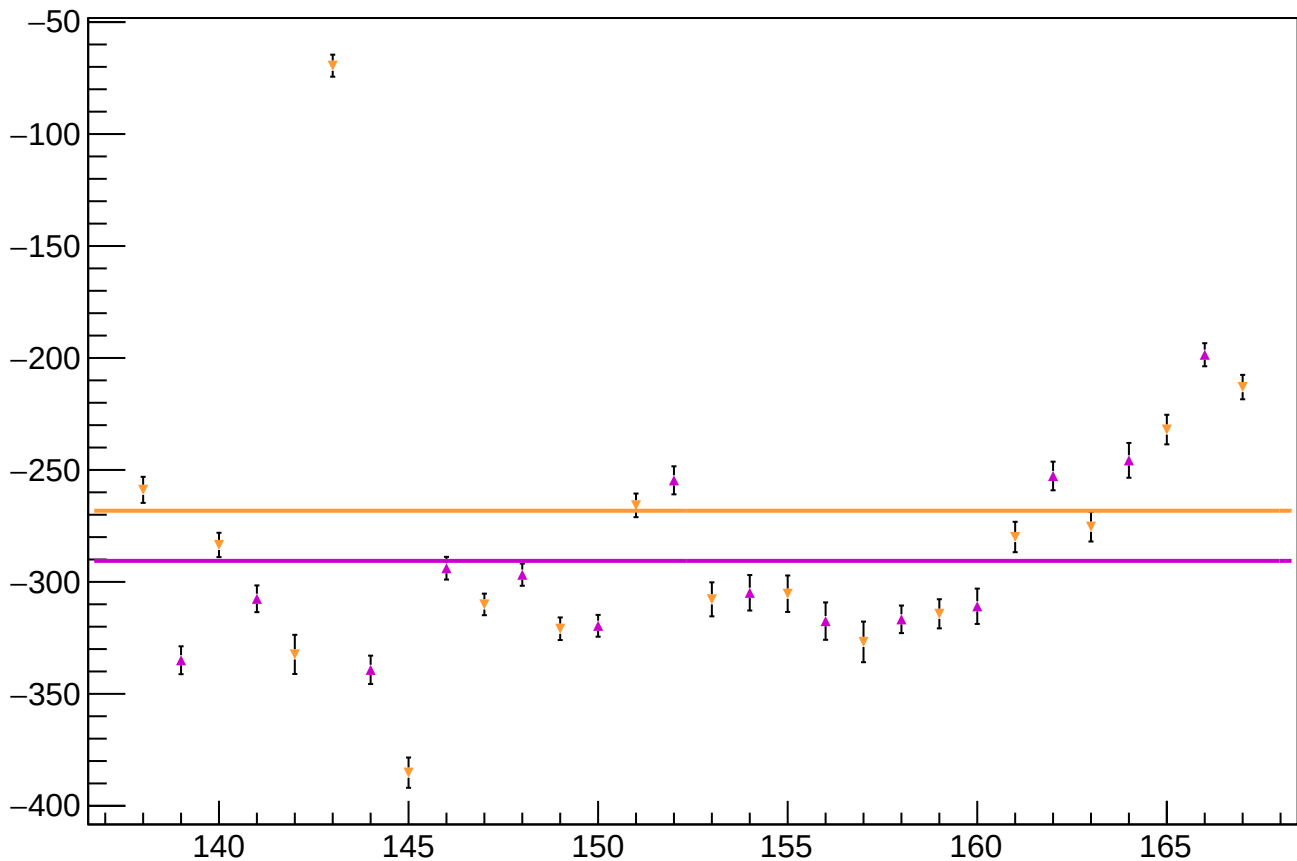
Right: 101.169 $\pm$ 0.058 χ^2 /NDF: 1099026.8/35

In: 121.757 $\pm$ 0.043 χ^2 /NDF: 195225.1/30

Out: 110.398 $\pm$ 0.041 χ^2 /NDF: 980272.6/34

All: 115.710 $\pm$ 0.030 χ^2 /NDF: 1212153.1/65

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: -290.606+/-1.628 χ^2/NDF :613.8/13

Left: -278.716+/-1.115 χ^2/NDF : 3168.1/29

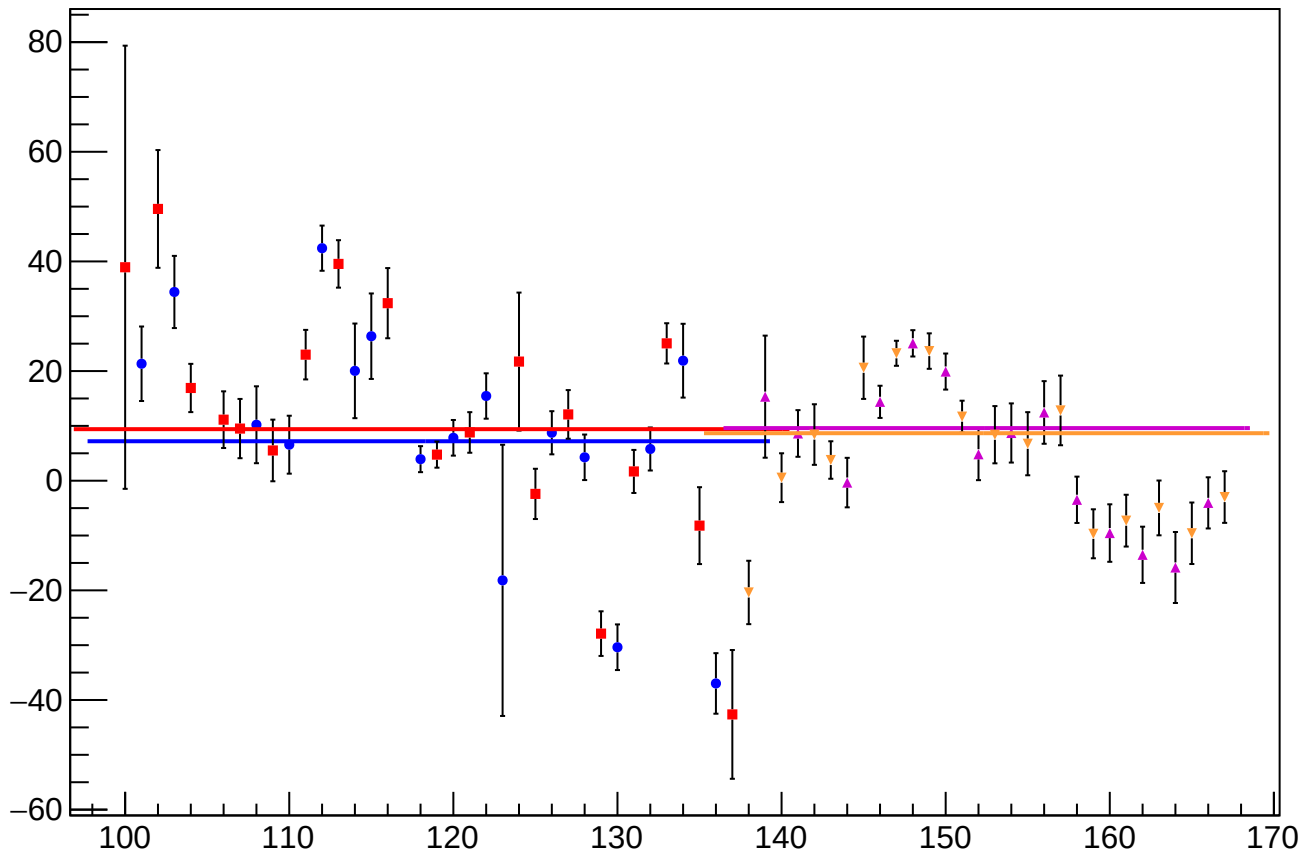
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -290.606+/-1.628 χ^2/NDF :613.8/13

Out: -268.213+/-1.530 χ^2/NDF :2453.8/15

All: -278.716+/-1.115 χ^2/NDF : 3168.1/29

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: 9.597 ± 1.115 χ^2/NDF : 127.6/13

Left: 9.095 ± 0.757 χ^2/NDF : 279.2/29

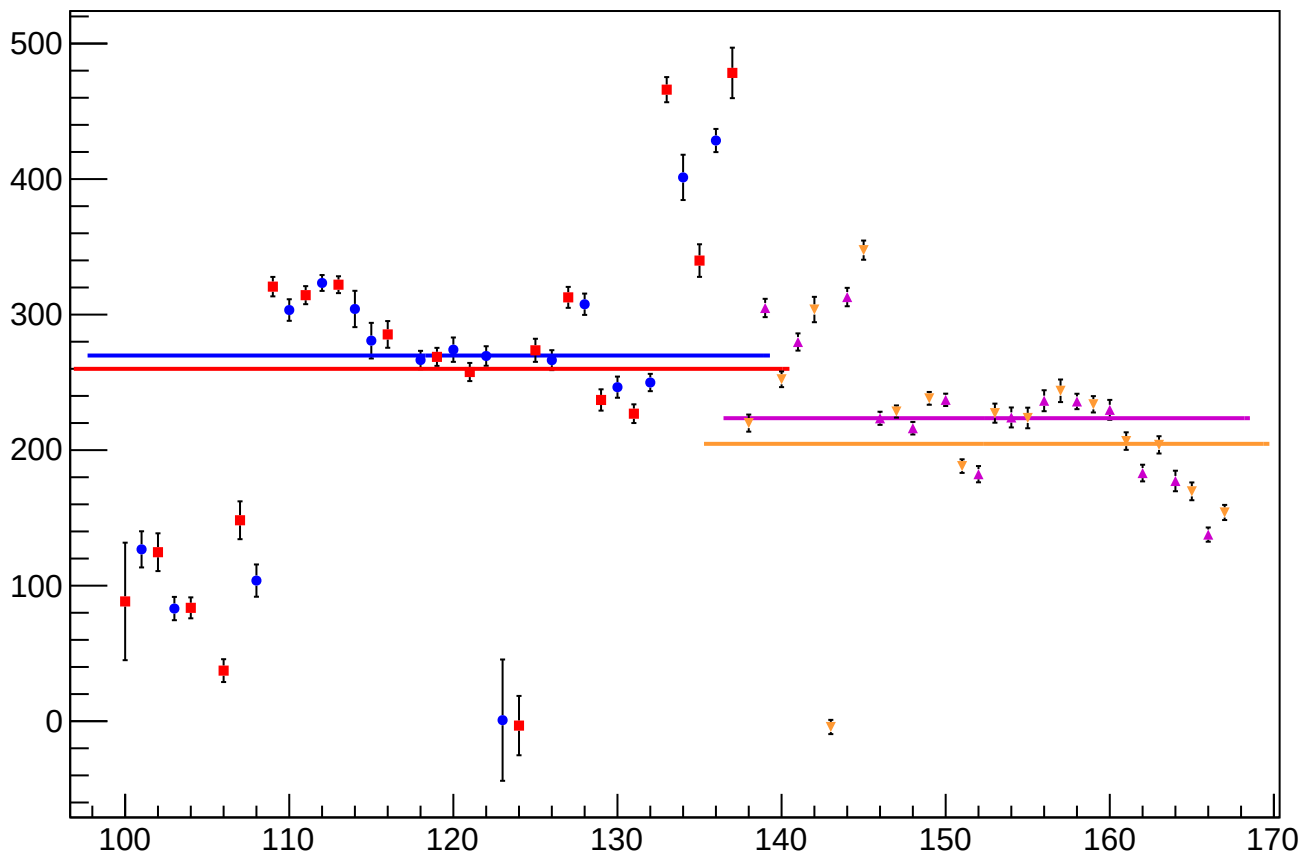
Right: 8.333 ± 0.768 χ^2/NDF : 495.1/35

In: 8.385 ± 0.784 χ^2/NDF : 390.8/30

Out: 9.020 ± 0.743 χ^2/NDF : 383.6/34

All: 8.720 ± 0.539 χ^2/NDF : 774.8/65

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: 223.571 $\pm$ 1.585 χ^2 /NDF: 812.1/13

Left: 213.643 $\pm$ 1.093 χ^2 /NDF: 3322.2/29

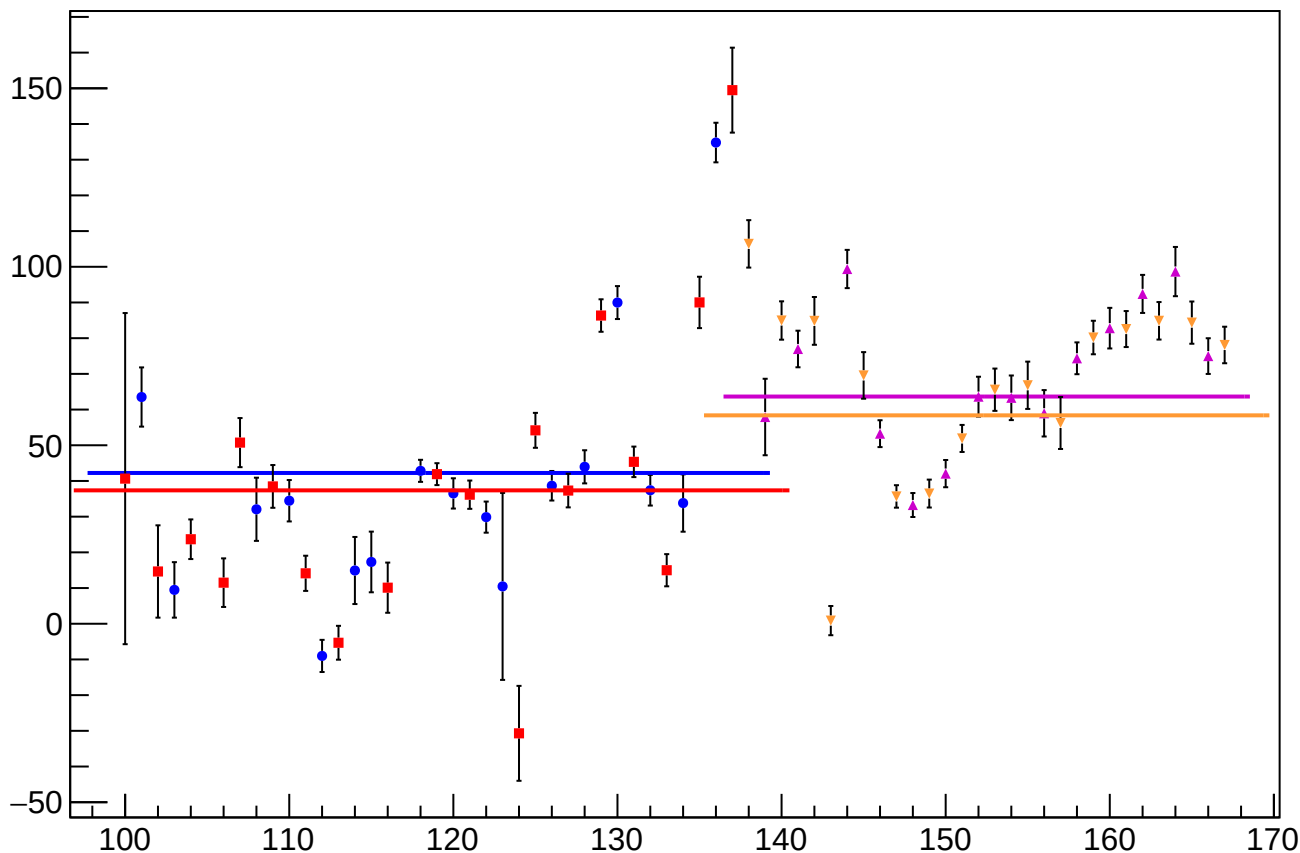
Right: 264.622 $\pm$ 1.436 χ^2 /NDF: 3924.4/35

In: 240.457 $\pm$ 1.263 χ^2 /NDF: 2497.1/30

Out: 225.009 $\pm$ 1.199 χ^2 /NDF: 5469.1/34

All: 232.336 $\pm$ 0.869 χ^2 /NDF: 8044.9/65

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 58.381 ± 1.234 $\chi^2/\text{NDF}: 486.5/15$

Right Out: 37.367 ± 1.235 $\chi^2/\text{NDF}: 472.3/18$

Left In: 63.649 ± 1.326 $\chi^2/\text{NDF}: 250.7/13$

Left: 60.826 ± 0.904 $\chi^2/\text{NDF}: 745.7/29$

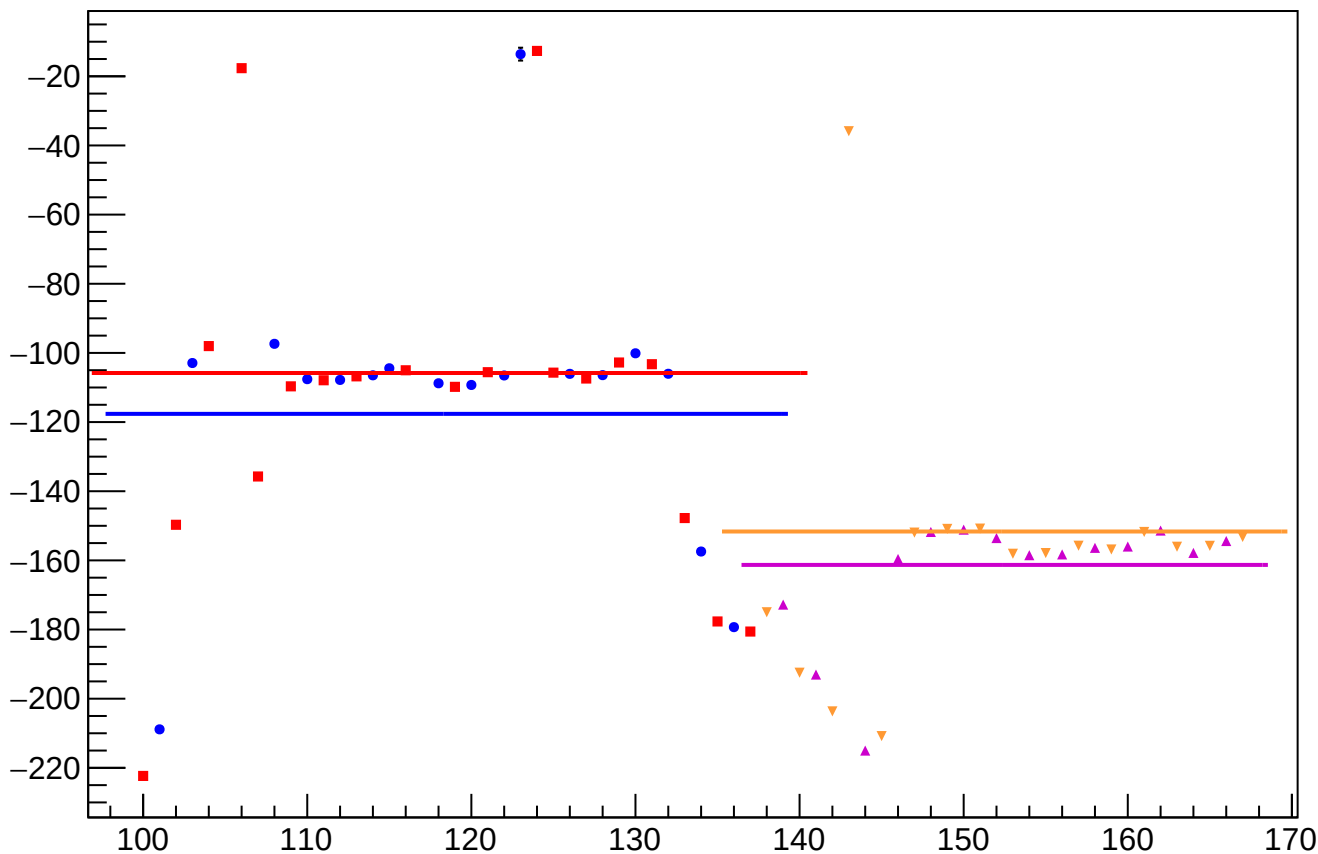
Right: 39.728 ± 0.886 $\chi^2/\text{NDF}: 1054.2/35$

In: 52.511 ± 0.919 $\chi^2/\text{NDF}: 960.6/30$

Out: 47.877 ± 0.873 $\chi^2/\text{NDF}: 1103.7/34$

All: 50.076 ± 0.633 $\chi^2/\text{NDF}: 2077.7/65$

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: -161.310+/-0.064 χ^2/NDF : 60281.2/13

Left: -156.249+/-0.044 χ^2/NDF : 476273.0/29

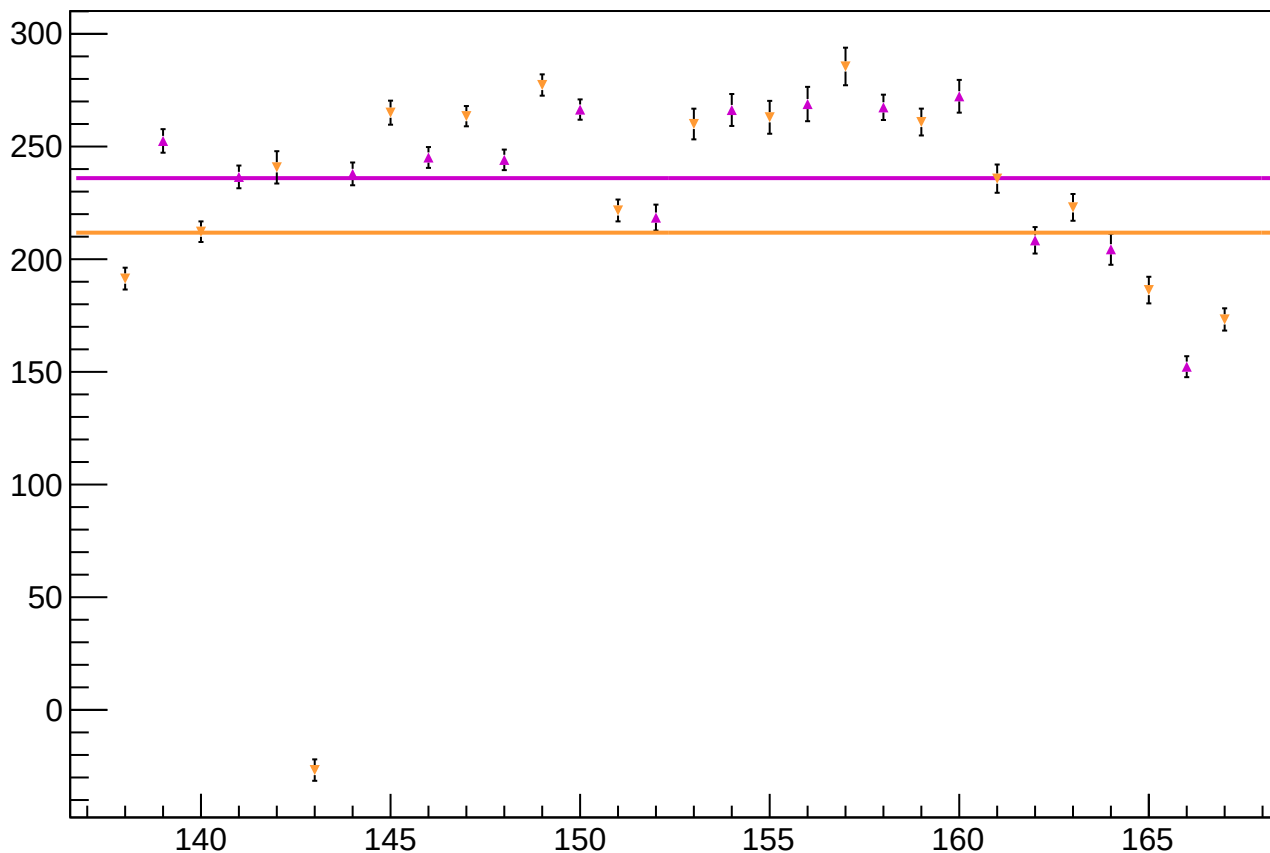
Right: -111.270+/-0.053 χ^2/NDF : 477157.6/35

In: -143.979+/-0.049 χ^2/NDF : 388849.9/30

Out: -132.844+/-0.047 χ^2/NDF : 960807.5/34

All: -138.084+/-0.034 χ^2/NDF : 1376486.6/65

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: 235.980+/-1.453 χ^2/NDF :532.2/13

Left: 223.174+/-0.997 χ^2/NDF : 3999.5/29

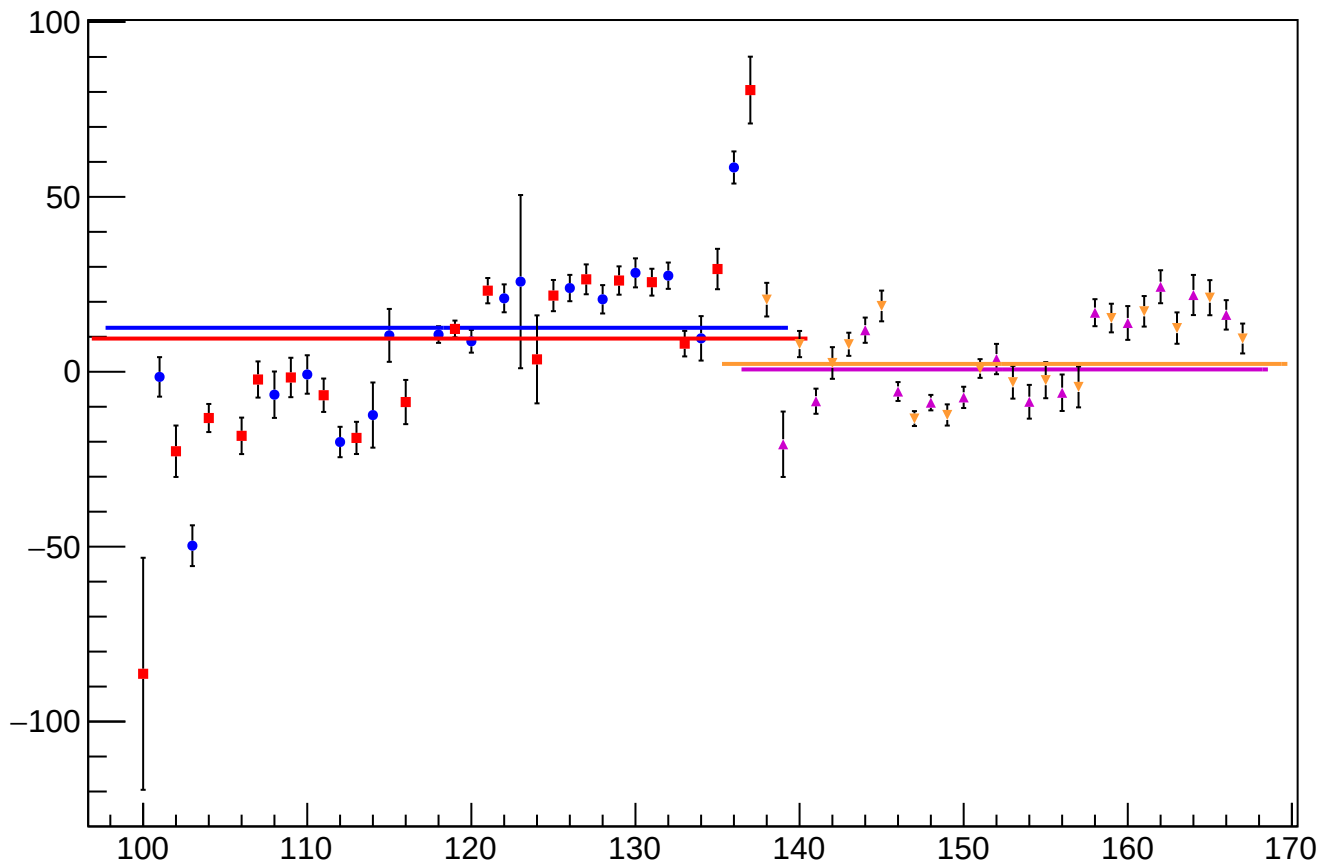
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 235.980+/-1.453 χ^2/NDF :532.2/13

Out: 211.781+/-1.371 χ^2/NDF :3320.7/15

All: 223.174+/-0.997 χ^2/NDF : 3999.5/29

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: 0.668+/-1.005 χ^2/NDF :135.7/13

Left: 1.513+/-0.684 χ^2/NDF : 296.0/29

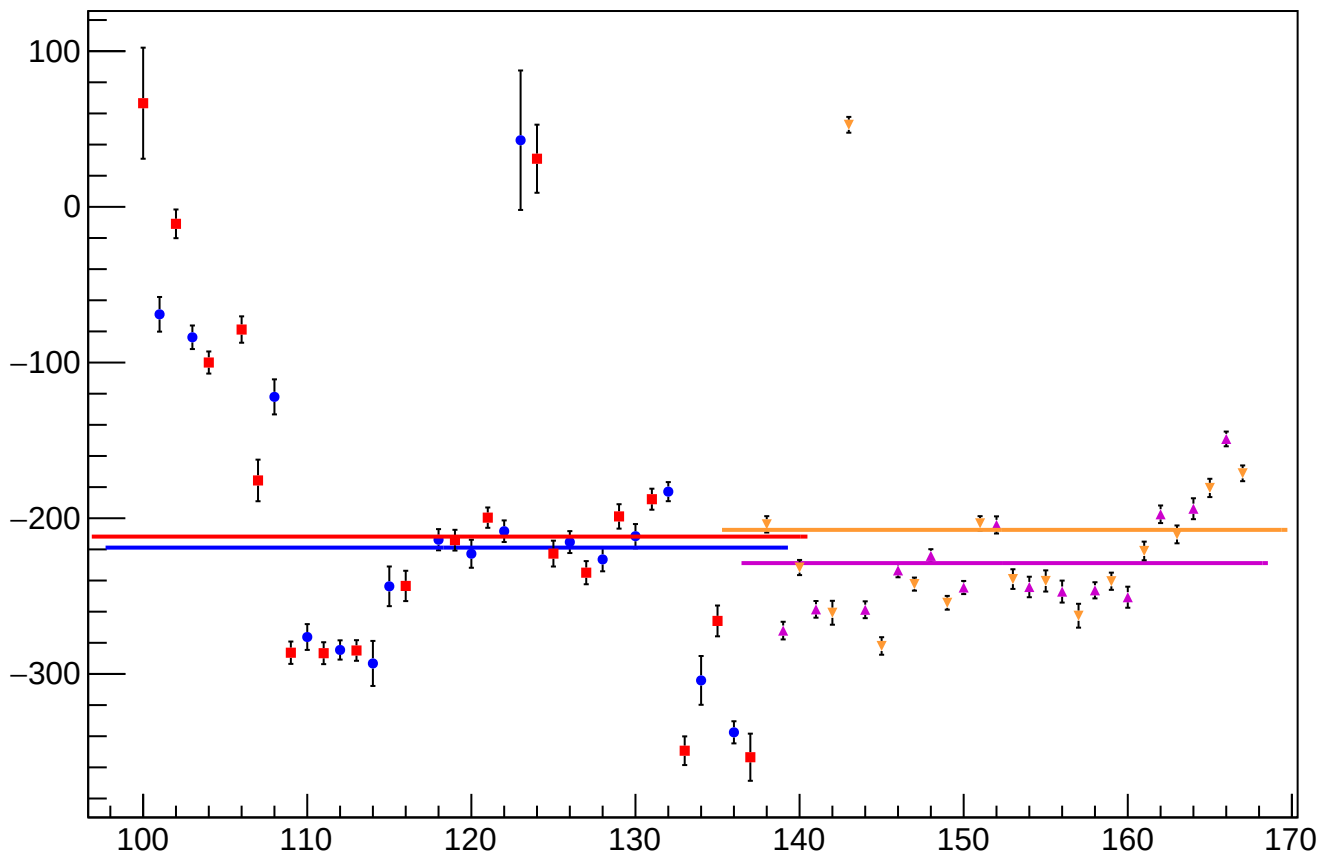
Right: 10.995+/-0.750 χ^2/NDF : 648.0/35

In: 6.224+/-0.734 χ^2/NDF :549.3/30

Out: 5.460+/-0.698 χ^2/NDF :481.4/34

All: 5.823+/-0.506 χ^2/NDF : 1031.3/65

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: -228.805 ± 1.421 χ^2/NDF : 531.4/13

Left: -217.643 ± 0.981 χ^2/NDF : 3920.6/29

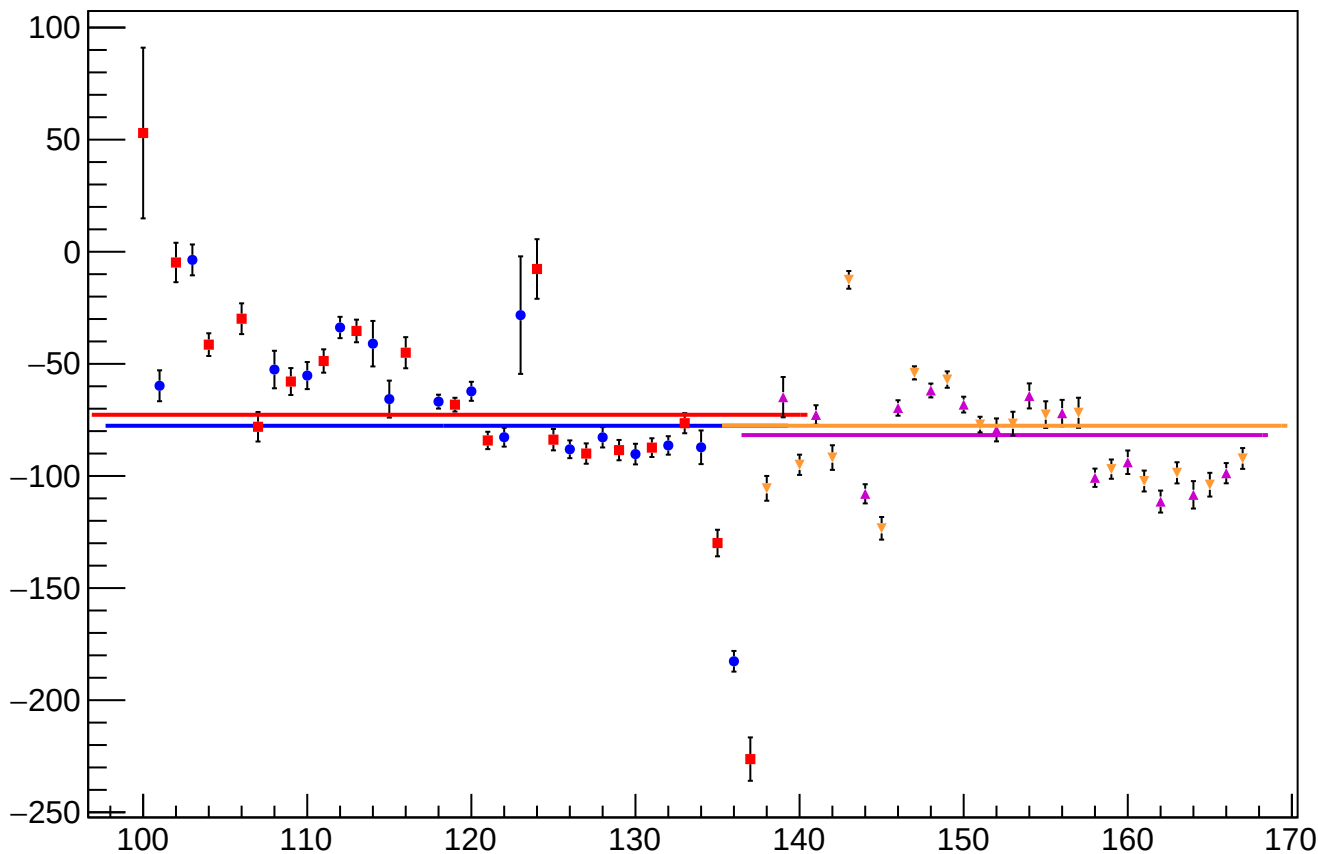
Right: -215.141 ± 1.394 χ^2/NDF : 3038.2/35

In: -225.518 ± 1.163 χ^2/NDF : 1694.1/30

Out: -208.896 ± 1.109 χ^2/NDF : 5159.7/34

All: -216.814 ± 0.802 χ^2/NDF : 6960.9/65

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: -81.763 ± 1.193 $\chi^2/\text{NDF}: 223.5/13$

Left: -79.540 ± 0.815 $\chi^2/\text{NDF}: 830.4/29$

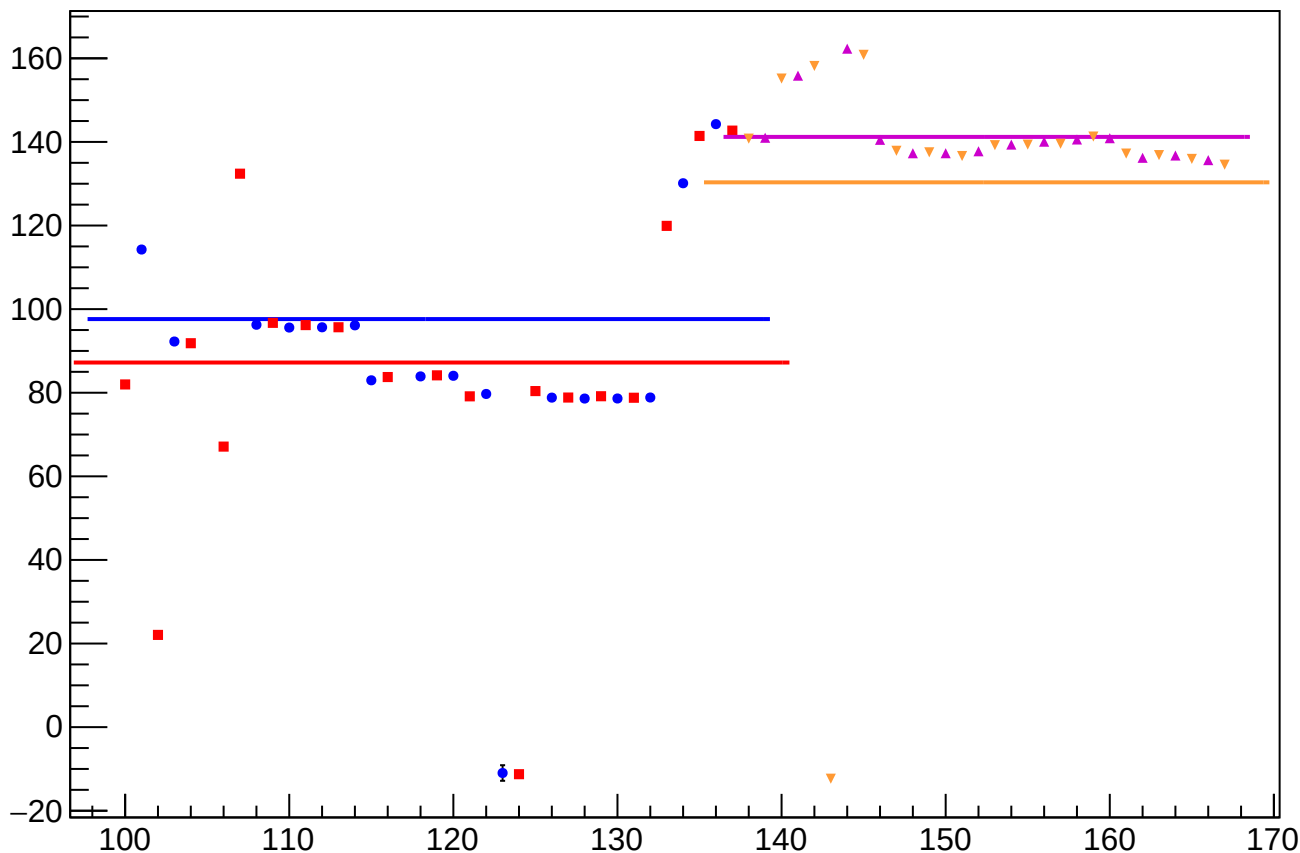
Right: -75.100 ± 0.863 $\chi^2/\text{NDF}: 1495.4/35$

In: -79.761 ± 0.859 $\chi^2/\text{NDF}: 1045.3/30$

Out: -75.345 ± 0.819 $\chi^2/\text{NDF}: 1280.6/34$

All: -77.448 ± 0.593 $\chi^2/\text{NDF}: 2339.7/65$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 130.332 $\pm$ 0.055 χ^2 /NDF: 550599.4/15

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

Left In: 141.203 $\pm$ 0.057 χ^2 /NDF: 15259.9/13

Left: 135.523 $\pm$ 0.039 χ^2 /NDF: 584820.2/29

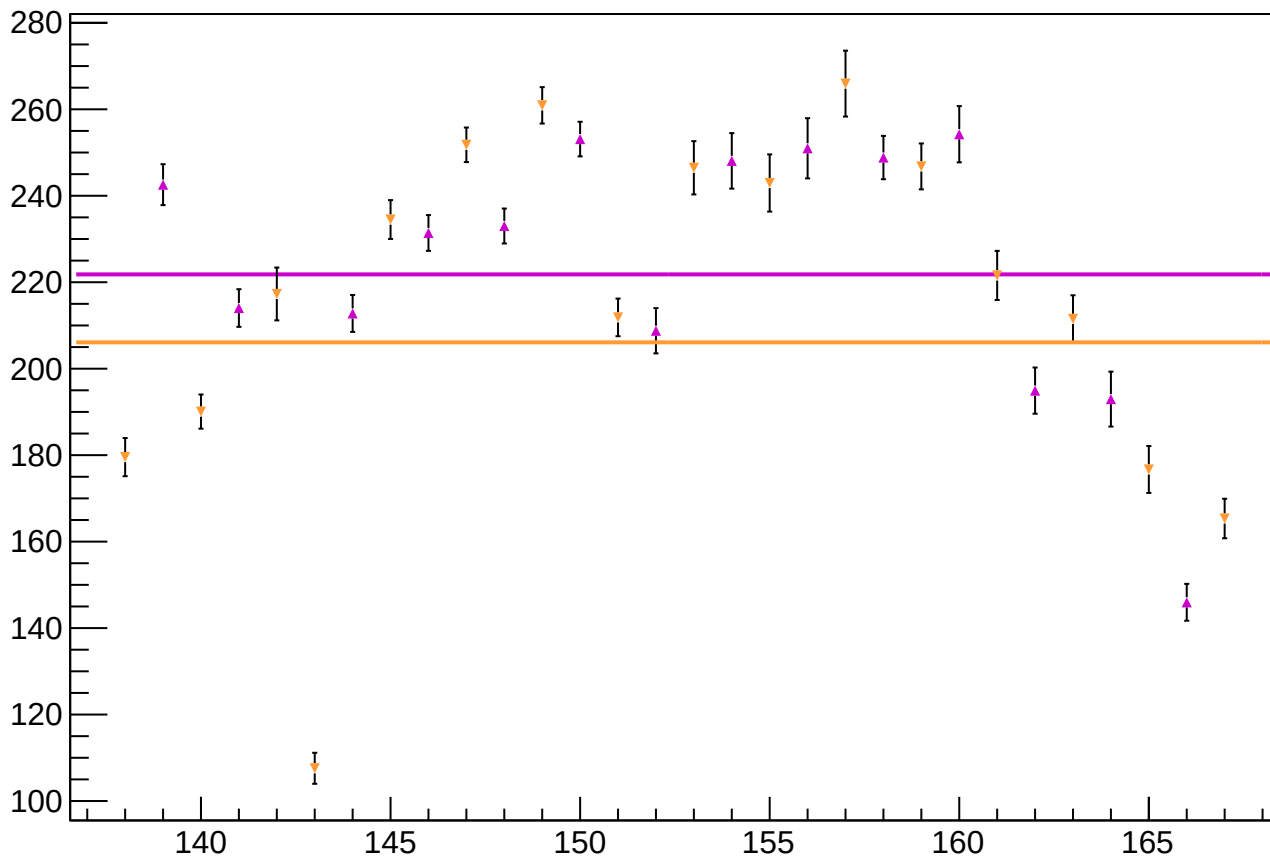
Right: 92.025 $\pm$ 0.050 χ^2 /NDF: 325598.1/35

In: 124.870 $\pm$ 0.045 χ^2 /NDF: 327889.4/30

Out: 113.532 $\pm$ 0.043 χ^2 /NDF: 1014755.8/34

All: 118.878 $\pm$ 0.031 χ^2 /NDF: 1376012.2/65

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 206.099+/-1.204 χ^2/NDF :1465.1/15

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

Left In: 221.812+/-1.298 χ^2/NDF :558.0/13

Left: 213.368+/-0.883 χ^2/NDF : 2101.8/29

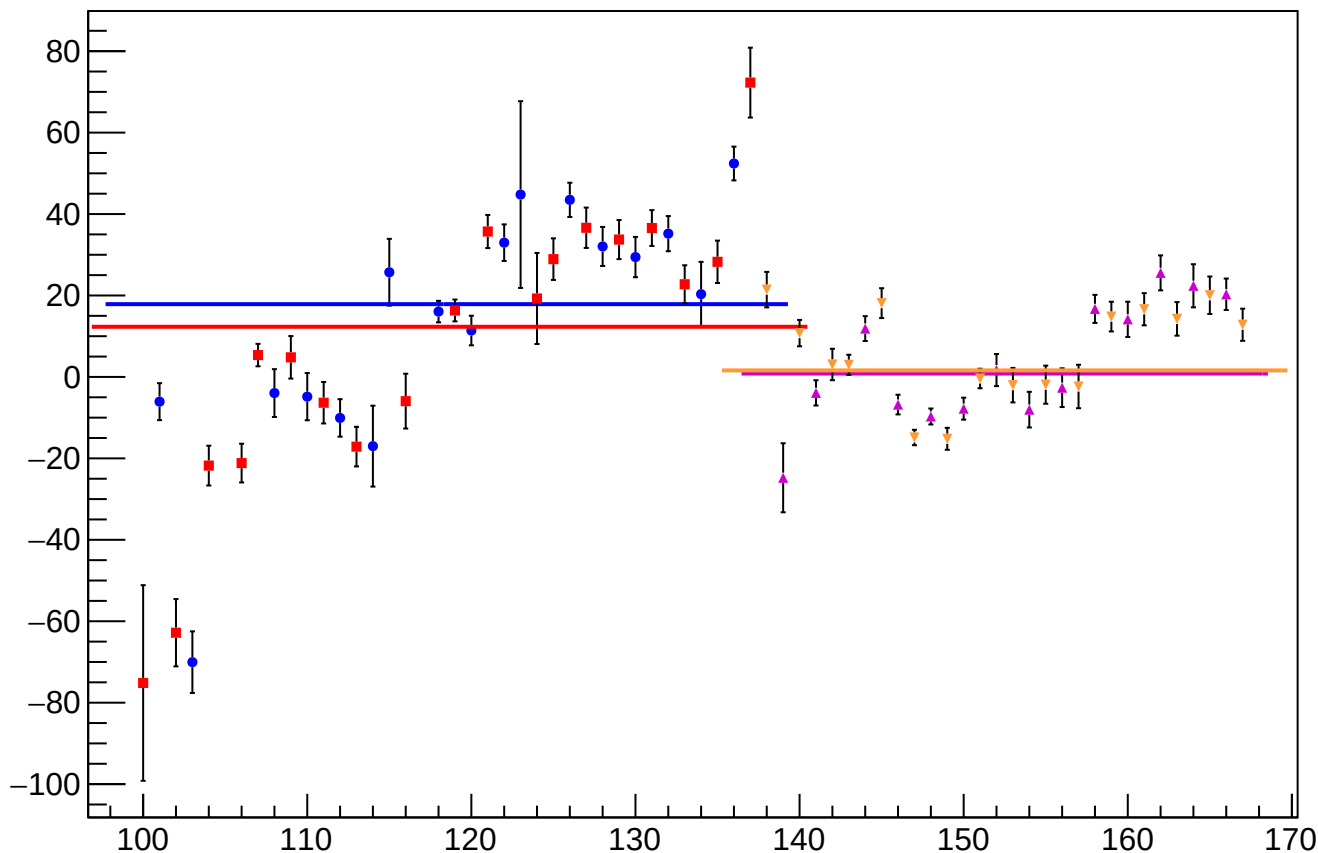
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 221.812+/-1.298 χ^2/NDF :558.0/13

Out: 206.099+/-1.204 χ^2/NDF :1465.1/15

All: 213.368+/-0.883 χ^2/NDF : 2101.8/29

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: 0.831 ± 0.894 χ^2/NDF : 184.4/13

Left: 1.252 ± 0.604 χ^2/NDF : 412.5/29

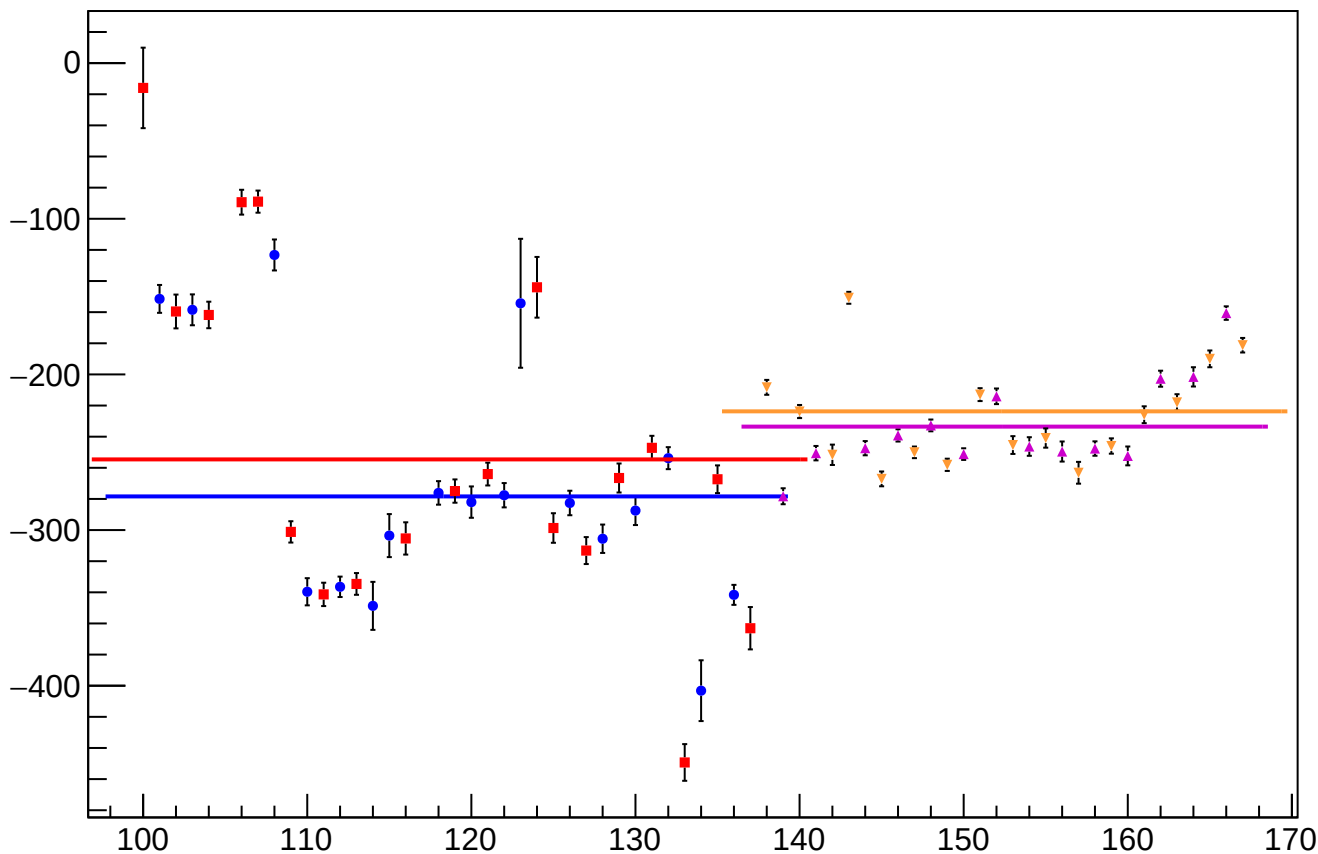
Right: 14.891 ± 0.794 χ^2/NDF : 851.6/35

In: 7.142 ± 0.709 χ^2/NDF : 714.2/30

Out: 5.504 ± 0.654 χ^2/NDF : 733.9/34

All: 6.256 ± 0.481 χ^2/NDF : 1451.1/65

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: -233.537 ± 1.270 χ^2/NDF : 512.6/13

Left: -228.339 ± 0.871 χ^2/NDF : 1349.3/29

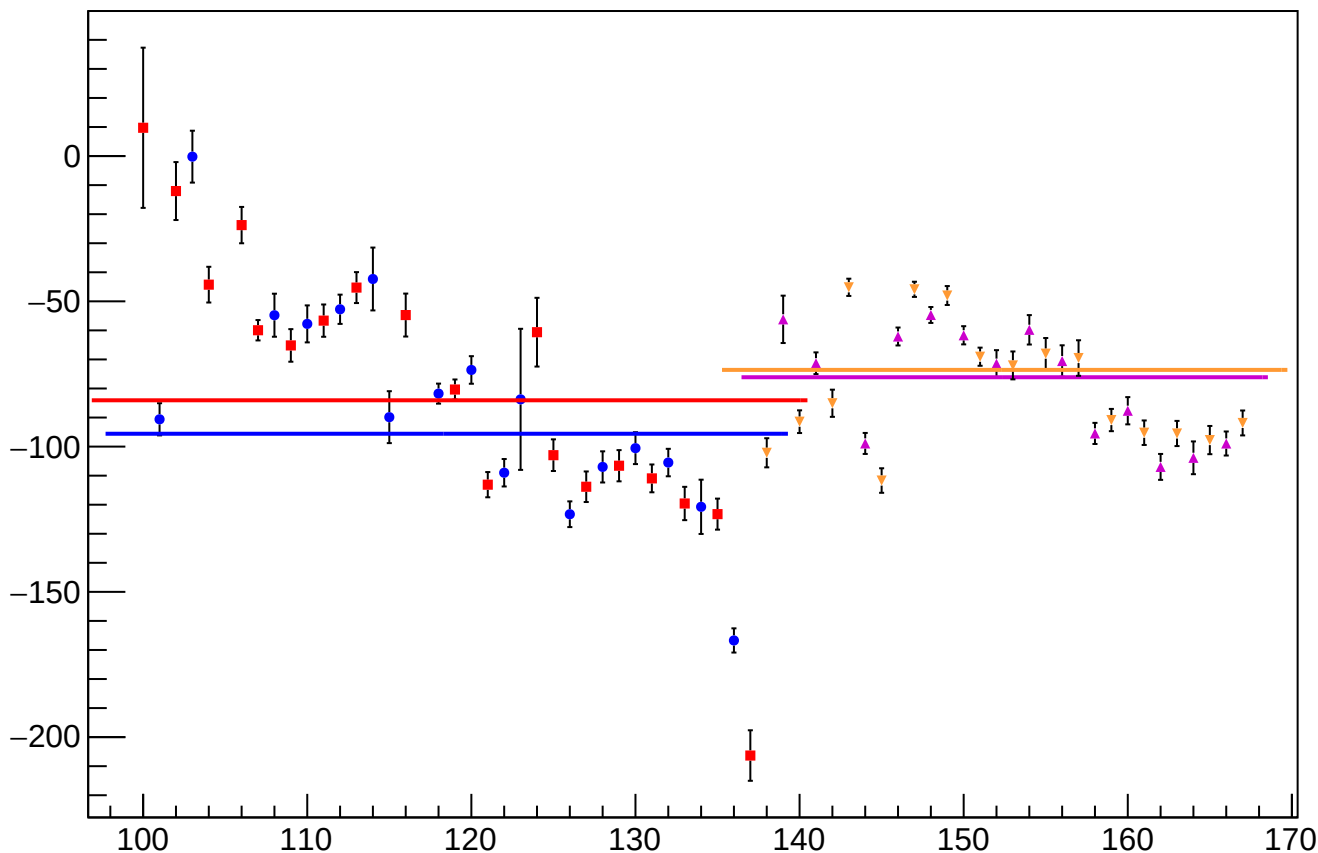
Right: -265.560 ± 1.483 χ^2/NDF : 3011.9/35

In: -244.860 ± 1.098 χ^2/NDF : 1738.1/30

Out: -231.742 ± 1.029 χ^2/NDF : 3015.6/34

All: -237.877 ± 0.751 χ^2/NDF : 4829.7/65

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: -76.128 ± 1.064 χ^2/NDF : 299.8/13

Left: -74.758 ± 0.720 χ^2/NDF : 828.3/29

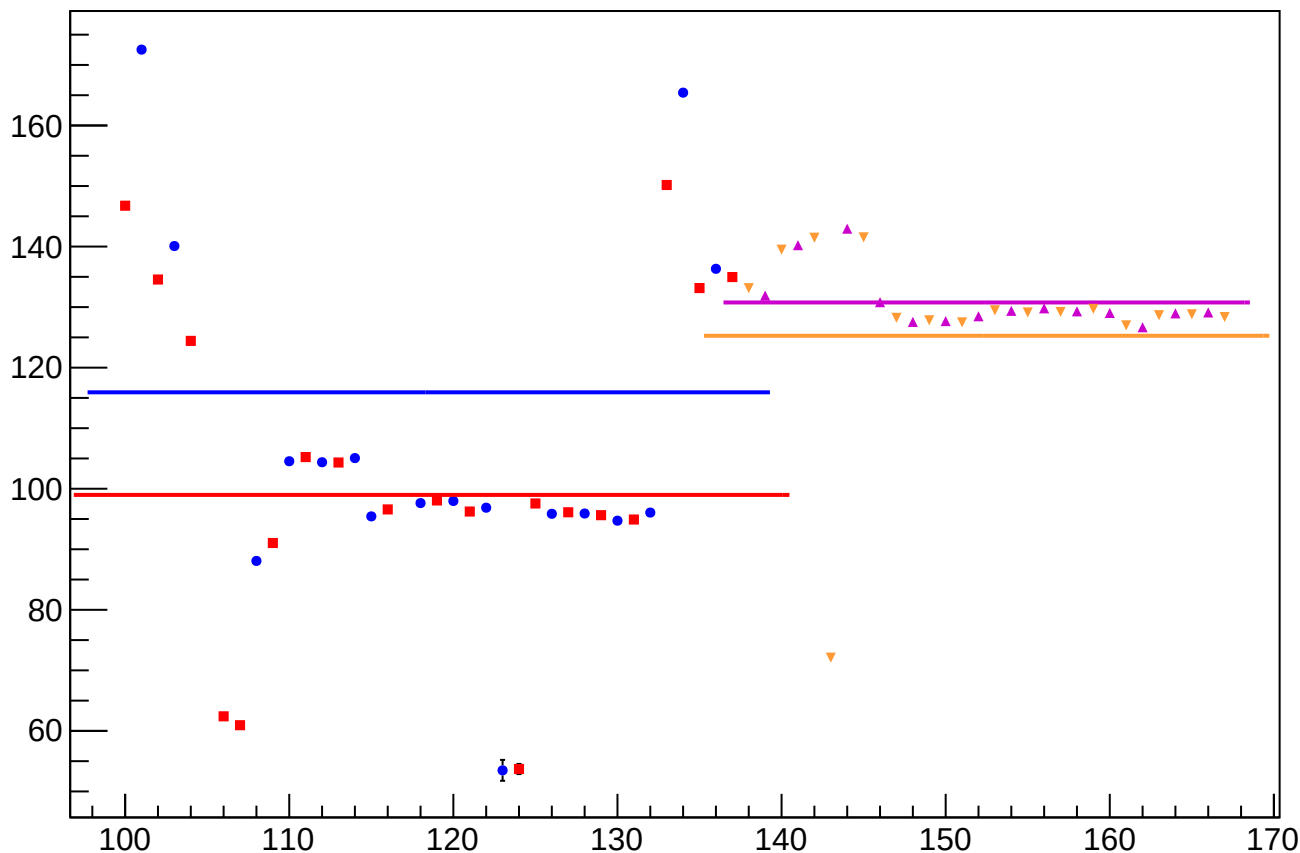
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -83.642 ± 0.833 χ^2/NDF : 1100.2/30

Out: -77.550 ± 0.772 χ^2/NDF : 1351.9/34

All: -80.365 ± 0.566 χ^2/NDF : 2480.8/65

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: 130.768 $\pm$ 0.051 χ^2 /NDF:7935.0/13

Left: 127.856 $\pm$ 0.035 χ^2 /NDF: 156397.8/29

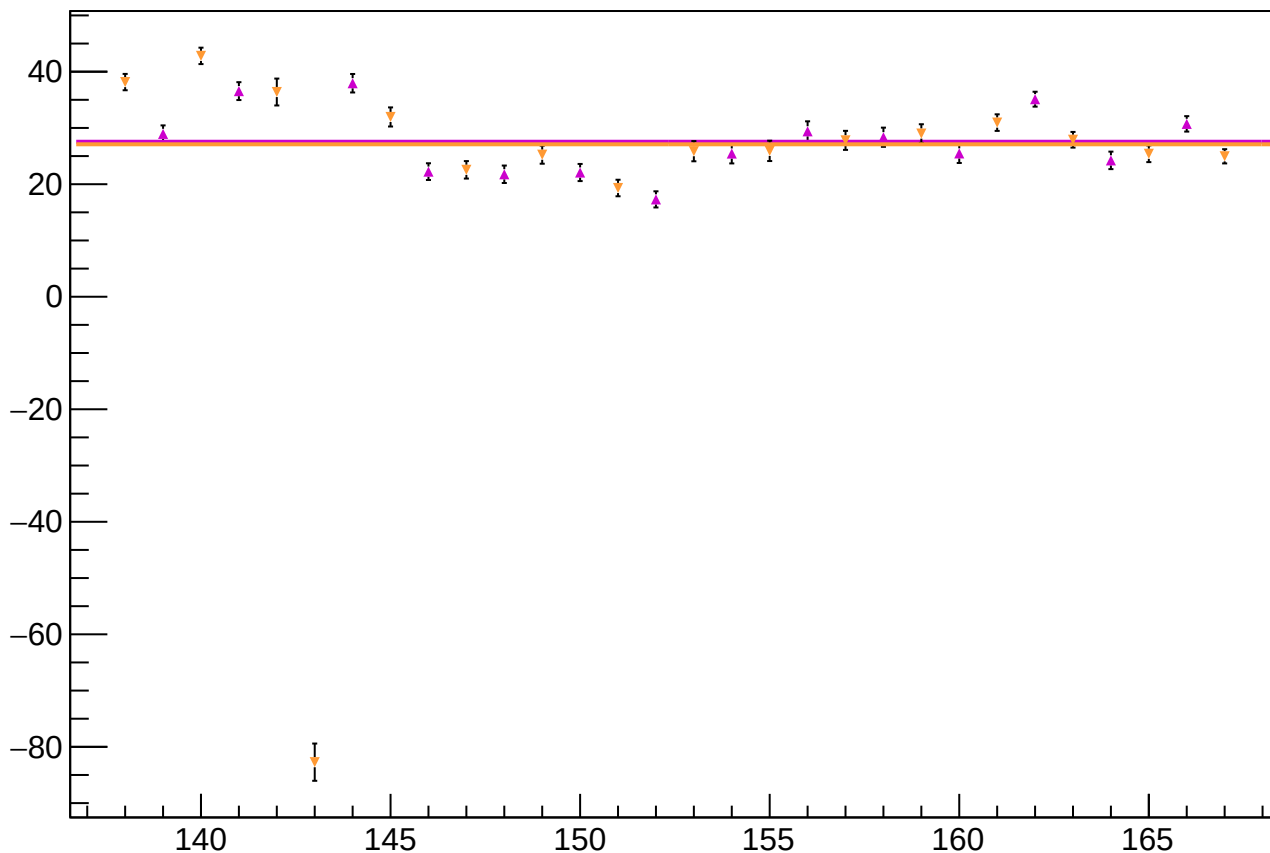
Right: 106.321 $\pm$ 0.052 χ^2 /NDF: 305233.1/35

In: 126.348 $\pm$ 0.043 χ^2 /NDF:138873.6/30

Out: 116.583 $\pm$ 0.039 χ^2 /NDF:413756.9/34

All: 121.063 $\pm$ 0.029 χ^2 /NDF: 580811.1/65

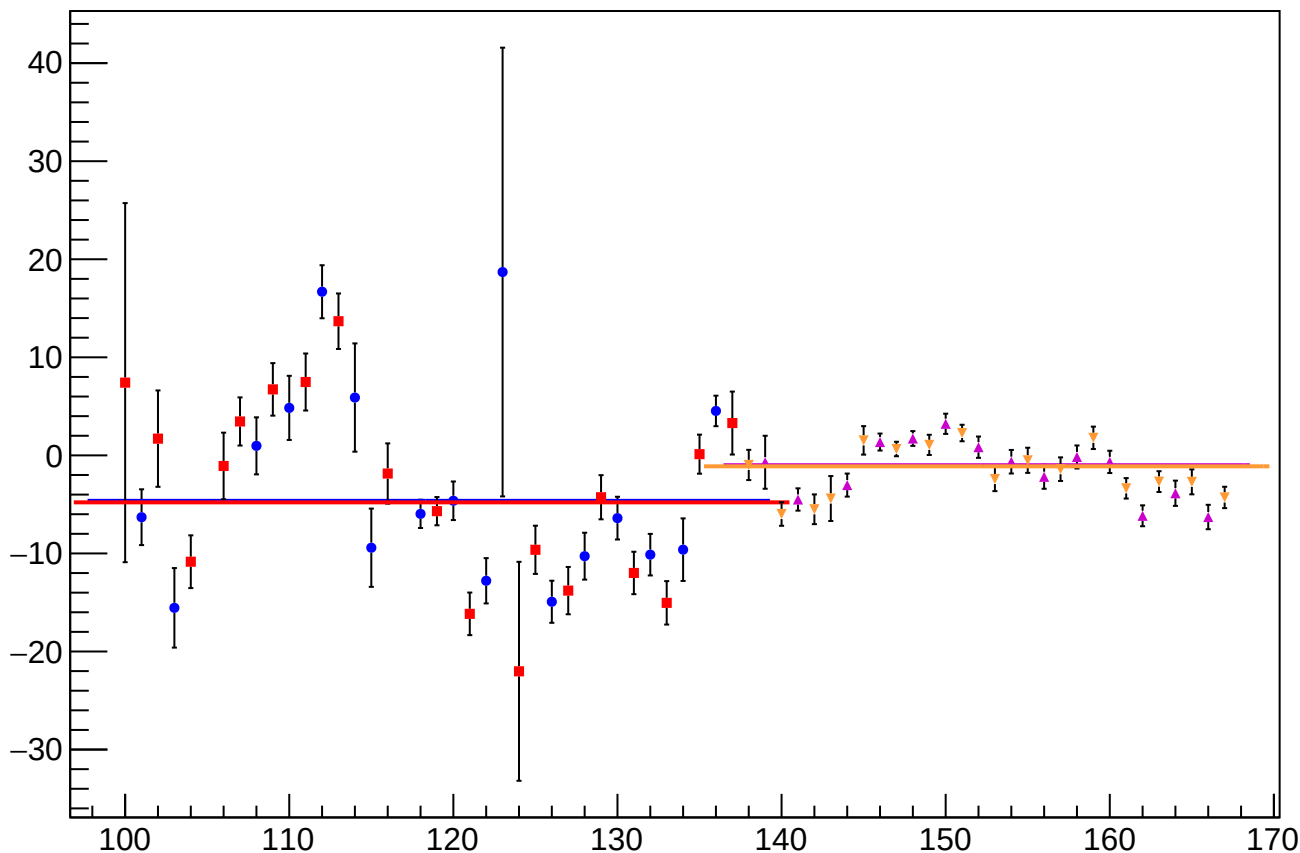
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 27.096+/-0.401 χ^2/NDF :1349.2/15
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 27.547+/-0.414 χ^2/NDF :210.2/13

Left: 27.315+/-0.288 χ^2/NDF : 1560.1/29
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 27.547+/-0.414 χ^2/NDF :210.2/13
 Out: 27.096+/-0.401 χ^2/NDF :1349.2/15
 All: 27.315+/-0.288 χ^2/NDF : 1560.1/29

reg_asym_atl_dd_atr_dd_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: -1.002 ± 0.295 χ^2/NDF : 100.6/13

Left: -1.061 ± 0.205 χ^2/NDF : 181.9/29

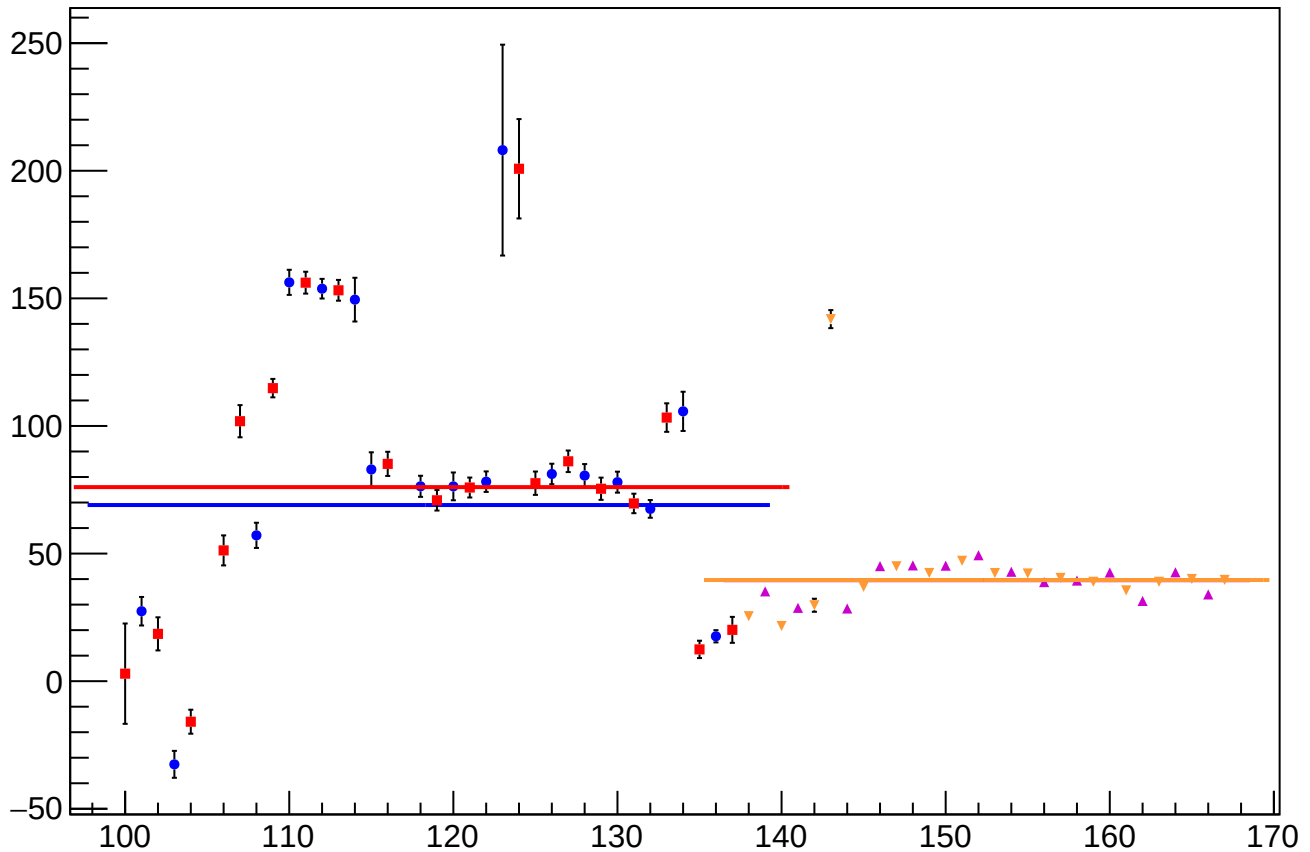
Right: -4.714 ± 0.414 χ^2/NDF : 367.0/35

In: -1.733 ± 0.264 χ^2/NDF : 305.6/30

Out: -1.818 ± 0.256 χ^2/NDF : 305.8/34

All: -1.777 ± 0.183 χ^2/NDF : 611.4/65

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019 $\pm$ 1.083 χ^2 /NDF: 1848.0/16

Left Out: 39.633 $\pm$ 0.394 χ^2 /NDF:1129.5/15

Right Out: 76.041 $\pm$ 1.070 χ^2 /NDF: 1881.9/18

Left In: 39.571 $\pm$ 0.403 χ^2 /NDF:254.4/13

Left: 39.603 $\pm$ 0.282 χ^2 /NDF: 1383.9/29

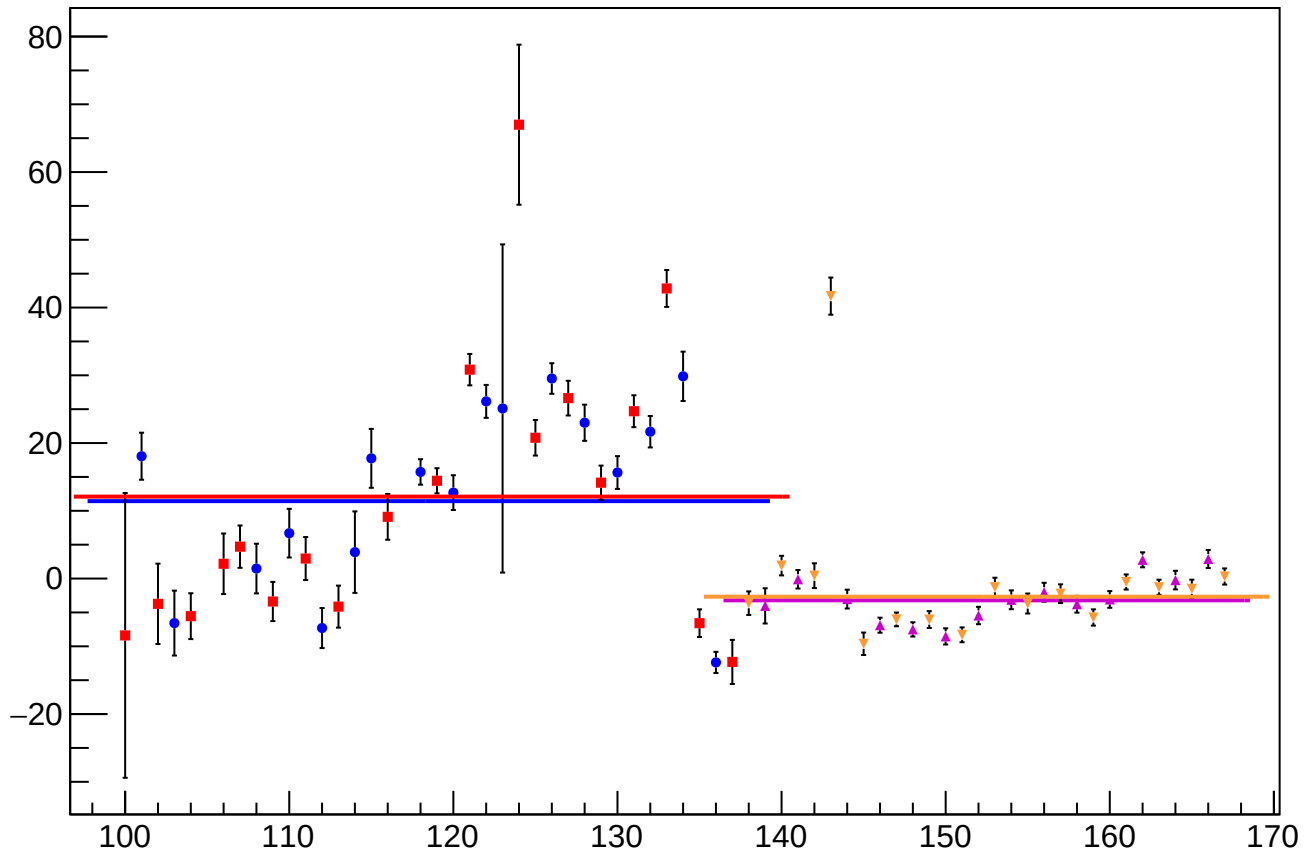
Right: 72.574 $\pm$ 0.761 χ^2 /NDF: 3751.2/35

In: 43.154 $\pm$ 0.378 χ^2 /NDF:2751.3/30

Out: 43.973 $\pm$ 0.369 χ^2 /NDF:4031.4/34

All: 43.573 $\pm$ 0.264 χ^2 /NDF: 6785.1/65

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 χ^2/NDF : 476.8/16

Left Out: -2.675 ± 0.331 χ^2/NDF : 357.6/15

Right Out: 12.095 ± 0.664 χ^2/NDF : 539.1/18

Left In: -3.215 ± 0.344 χ^2/NDF : 111.5/13

Left: -2.935 ± 0.238 χ^2/NDF : 470.4/29

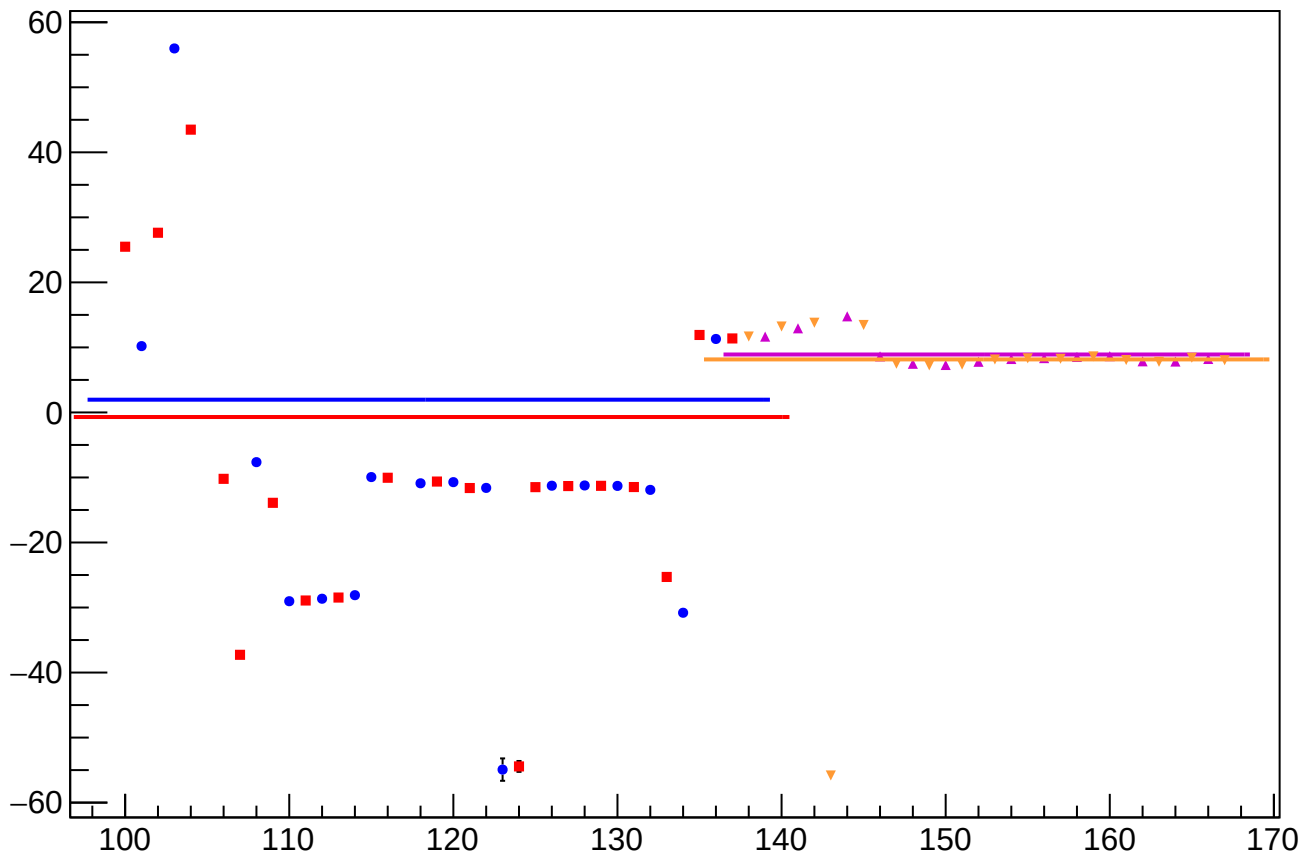
Right: 11.762 ± 0.470 χ^2/NDF : 1016.4/35

In: -0.134 ± 0.305 χ^2/NDF : 970.6/30

Out: 0.268 ± 0.296 χ^2/NDF : 1293.0/34

All: 0.073 ± 0.213 χ^2/NDF : 2264.4/65

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: 8.910 $\pm$ 0.016 χ^2/NDF :14468.7/13

Left: 8.521 $\pm$ 0.011 χ^2/NDF : 238216.3/29

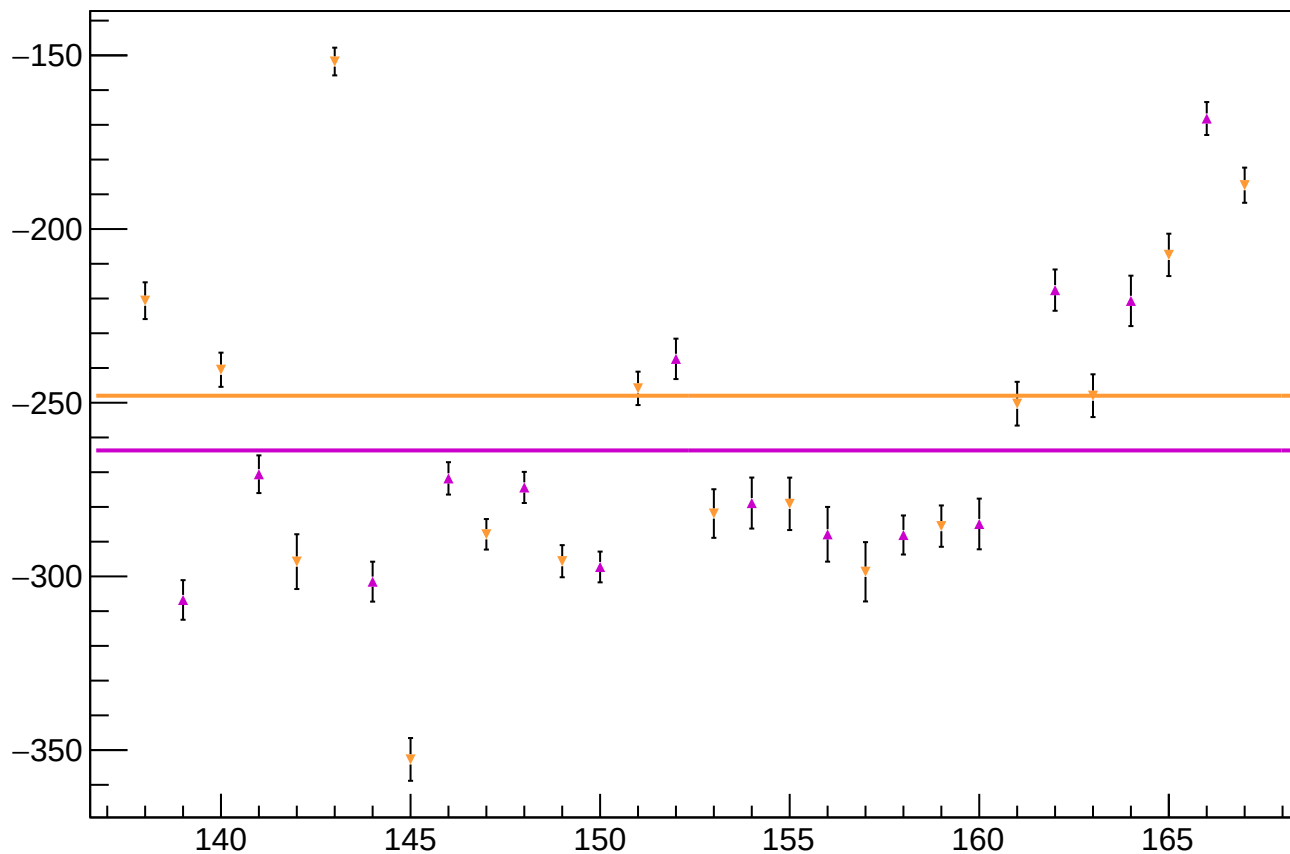
Right: 0.627 $\pm$ 0.026 χ^2/NDF : 722198.2/35

In: 7.831 $\pm$ 0.015 χ^2/NDF :402494.7/30

Out: 6.842 $\pm$ 0.014 χ^2/NDF :632256.1/34

All: 7.324 $\pm$ 0.010 χ^2/NDF : 1037090.5/65

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -247.981+/-1.385 χ^2/NDF :1428.4/15

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

Left In: -263.732+/-1.494 χ^2/NDF :730.6/13

Left: -255.262+/-1.016 χ^2/NDF : 2218.8/29

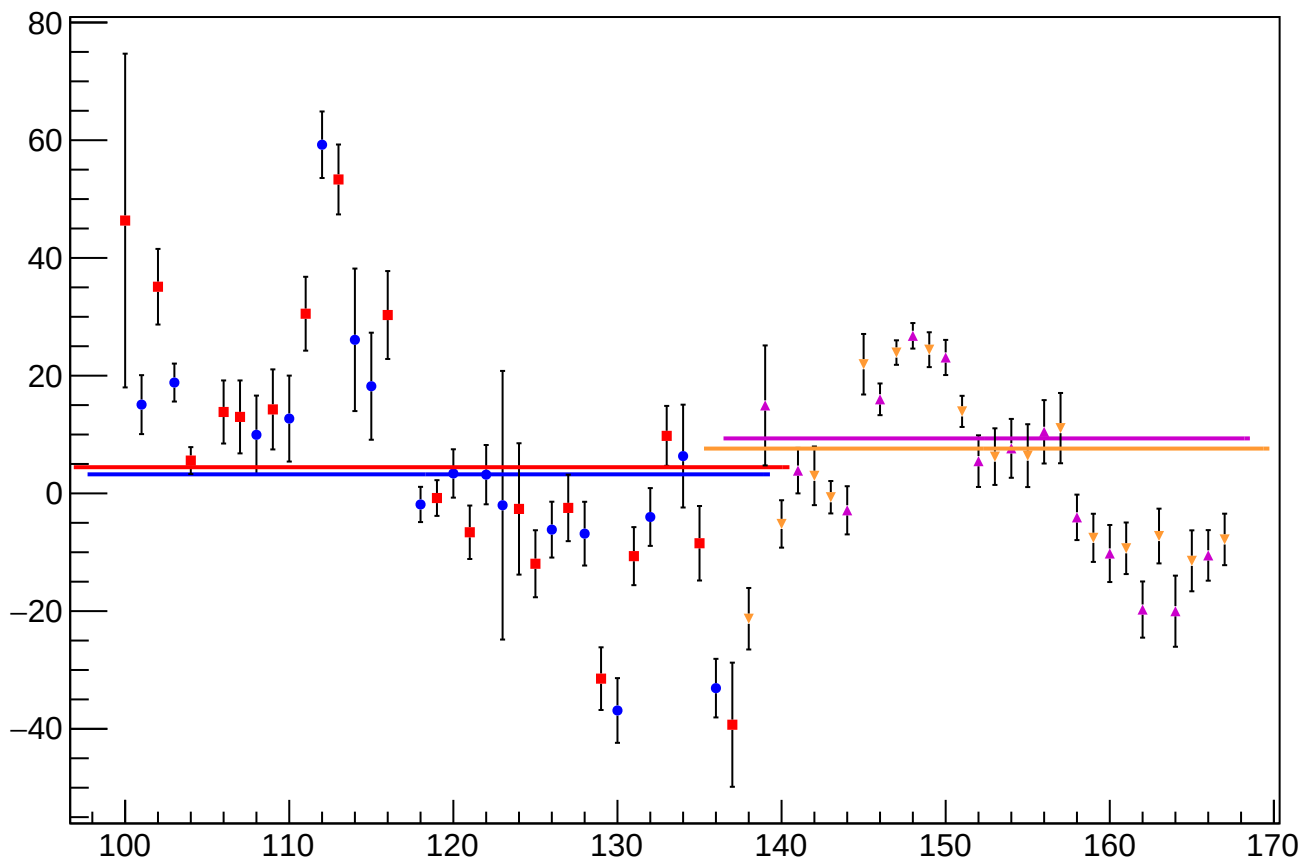
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -263.732+/-1.494 χ^2/NDF :730.6/13

Out: -247.981+/-1.385 χ^2/NDF :1428.4/15

All: -255.262+/-1.016 χ^2/NDF : 2218.8/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 7.614 ± 0.932 χ^2/NDF : 223.0/15

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

Left In: 9.340 ± 1.020 χ^2/NDF : 214.4/13

Left: 8.399 ± 0.688 χ^2/NDF : 439.0/29

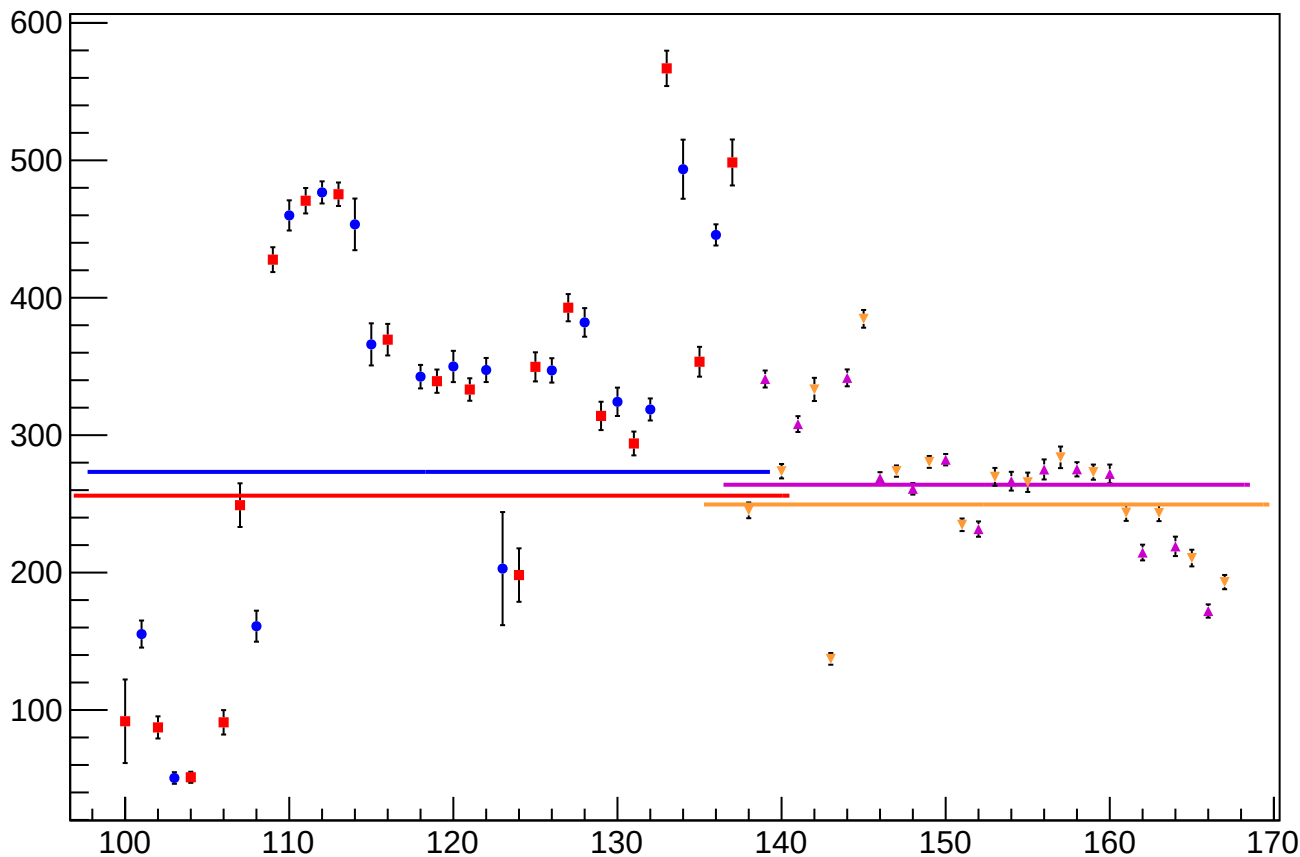
Right: 3.887 ± 0.847 χ^2/NDF : 481.6/35

In: 6.884 ± 0.789 χ^2/NDF : 484.1/30

Out: 6.368 ± 0.726 χ^2/NDF : 453.3/34

All: 6.605 ± 0.534 χ^2/NDF : 937.6/65

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276+/-2.205 χ^2/NDF : 5101.5/16

Left Out: 249.551+/-1.368 χ^2/NDF : 1565.4/15

Right Out: 255.985+/-2.080 χ^2/NDF : 6438.4/18

Left In: 263.929+/-1.454 χ^2/NDF : 913.0/13

Left: 256.304+/-0.997 χ^2/NDF : 2530.2/29

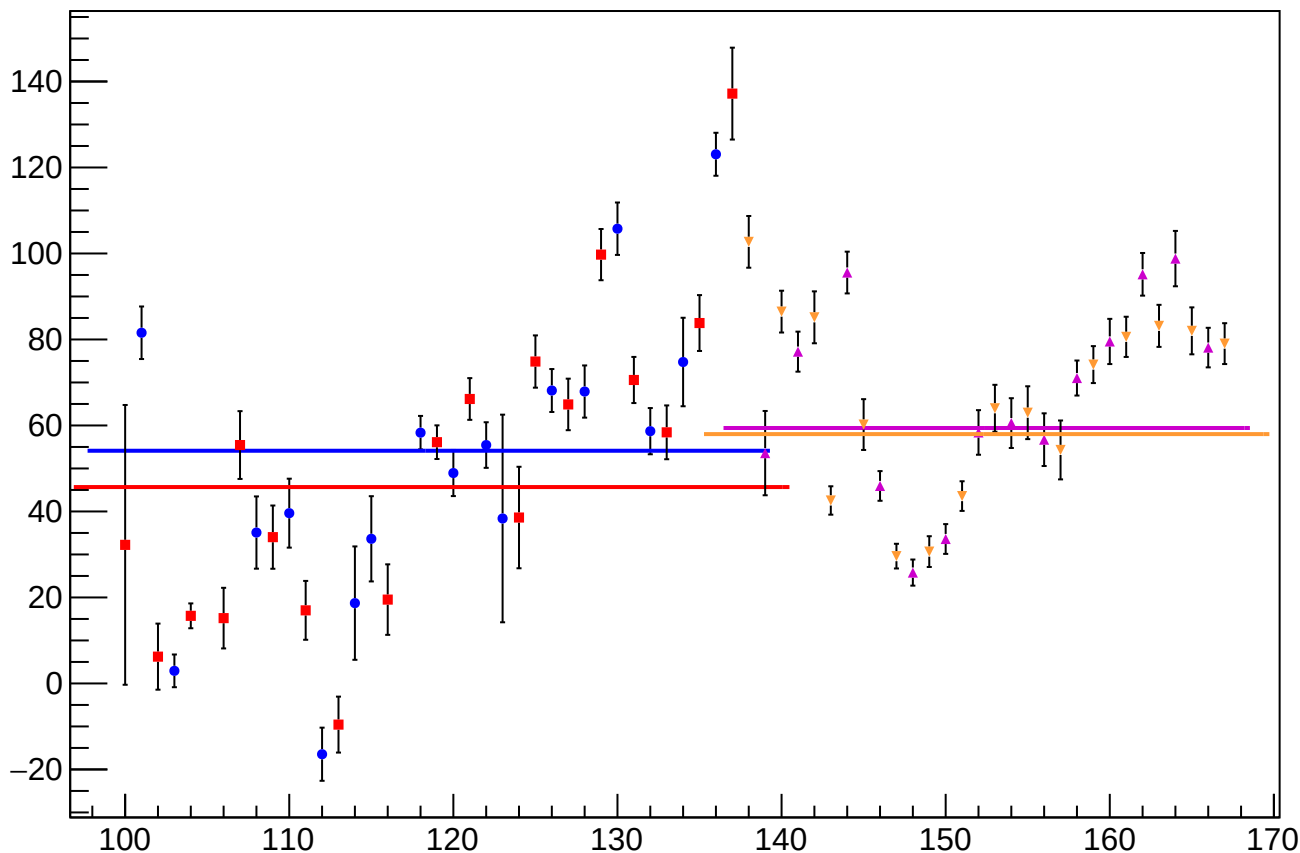
Right: 264.127+/-1.513 χ^2/NDF : 11572.5/35

In: 266.763+/-1.214 χ^2/NDF : 6027.0/30

Out: 251.495+/-1.143 χ^2/NDF : 8010.6/34

All: 258.671+/-0.832 χ^2/NDF : 14121.4/65

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: 59.411+/-1.216 χ^2/NDF : 392.7/13

Left: 58.641+/-0.822 χ^2/NDF : 803.9/29

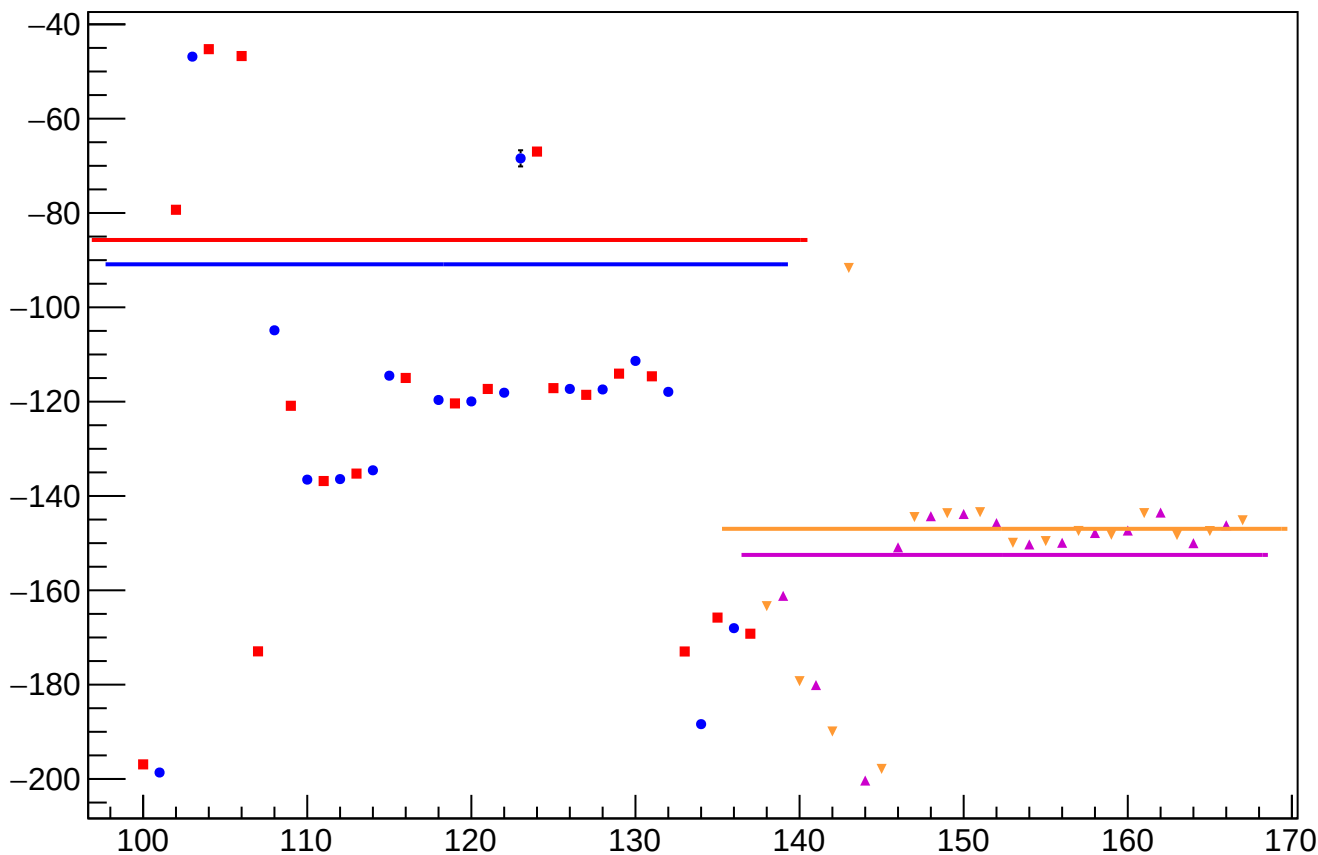
Right: 49.654+/-0.987 χ^2/NDF : 1183.2/35

In: 57.205+/-0.928 χ^2/NDF : 1034.6/30

Out: 53.020+/-0.862 χ^2/NDF : 990.6/34

All: 54.958+/-0.632 χ^2/NDF : 2036.1/65

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: -152.495 ± 0.059 $\chi^2/\text{NDF}: 56334.3/13$

Left: -149.566 ± 0.040 $\chi^2/\text{NDF}: 248222.5/29$

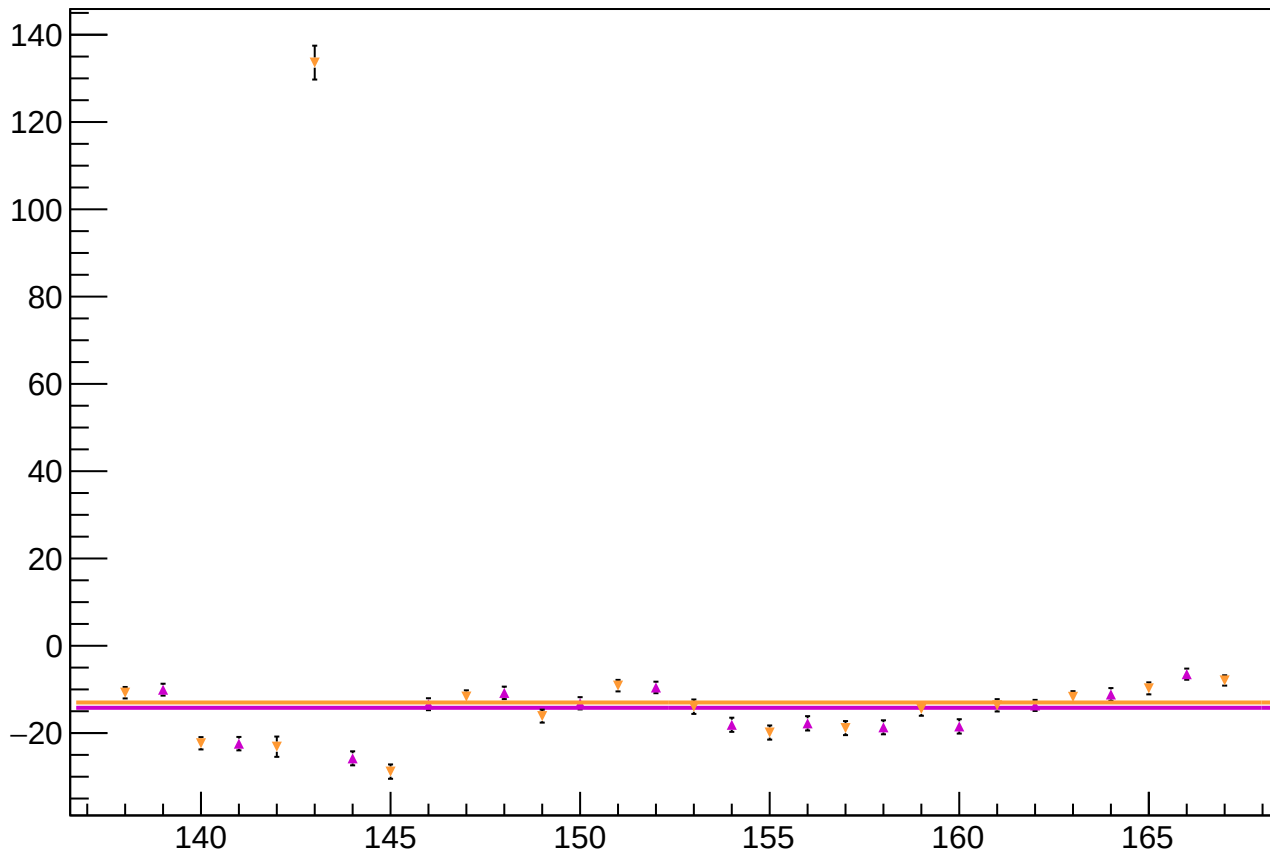
Right: -88.197 ± 0.047 $\chi^2/\text{NDF}: 1030623.7/35$

In: -126.179 ± 0.044 $\chi^2/\text{NDF}: 1063527.0/30$

Out: -121.351 ± 0.042 $\chi^2/\text{NDF}: 1196727.8/34$

All: -123.642 ± 0.031 $\chi^2/\text{NDF}: 2266501.3/65$

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: -14.210+/-0.387 χ^2/NDF :174.6/13

Left: -13.583+/-0.270 χ^2/NDF : 1836.2/29

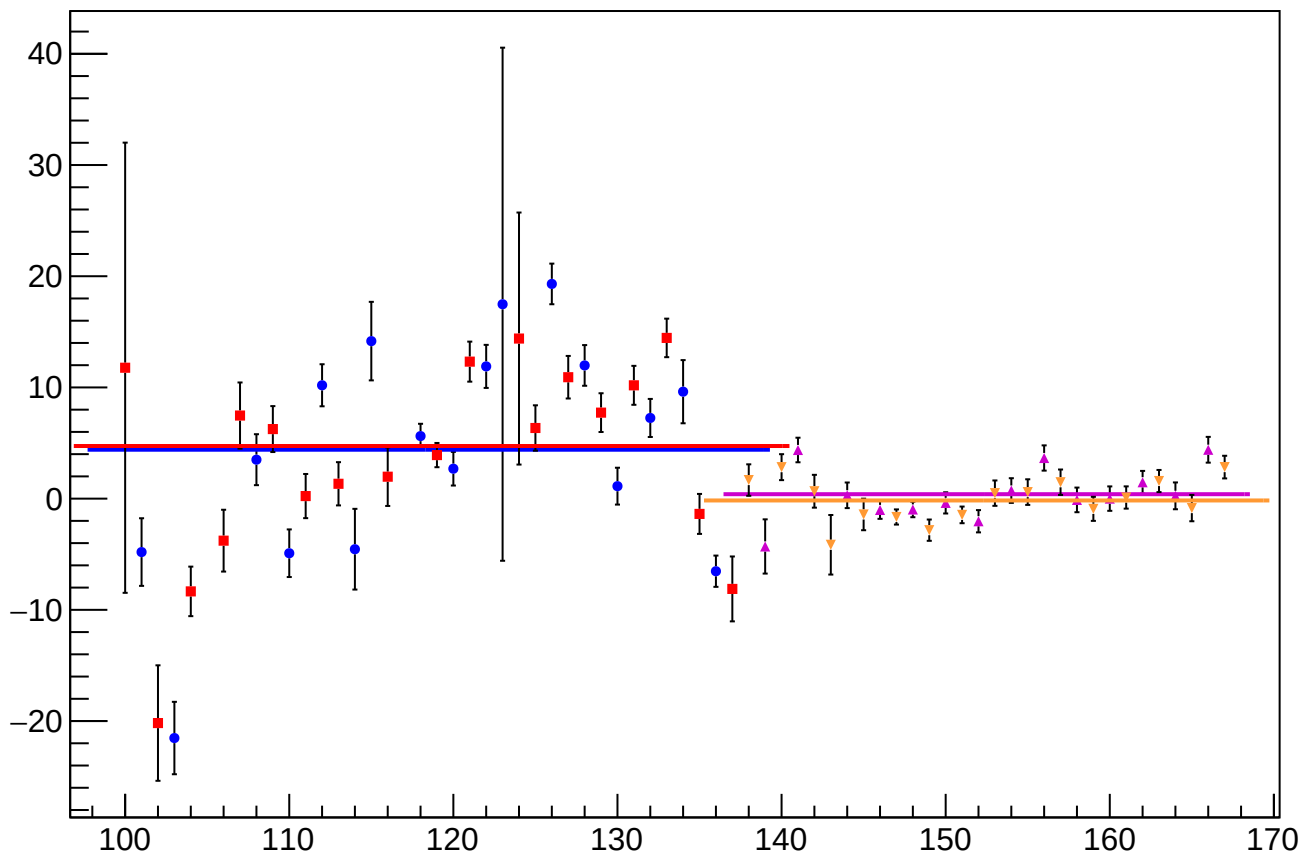
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.210+/-0.387 χ^2/NDF :174.6/13

Out: -12.994+/-0.376 χ^2/NDF :1656.5/15

All: -13.583+/-0.270 χ^2/NDF : 1836.2/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 $\pm$ 0.471 χ^2 /NDF: 286.8/16

Left Out: -0.164 $\pm$ 0.265 χ^2 /NDF:42.6/15

Right Out: 4.732 $\pm$ 0.473 χ^2 /NDF: 182.9/18

Left In: 0.399 $\pm$ 0.276 χ^2 /NDF:51.9/13

Left: 0.106 $\pm$ 0.191 χ^2 /NDF: 96.7/29

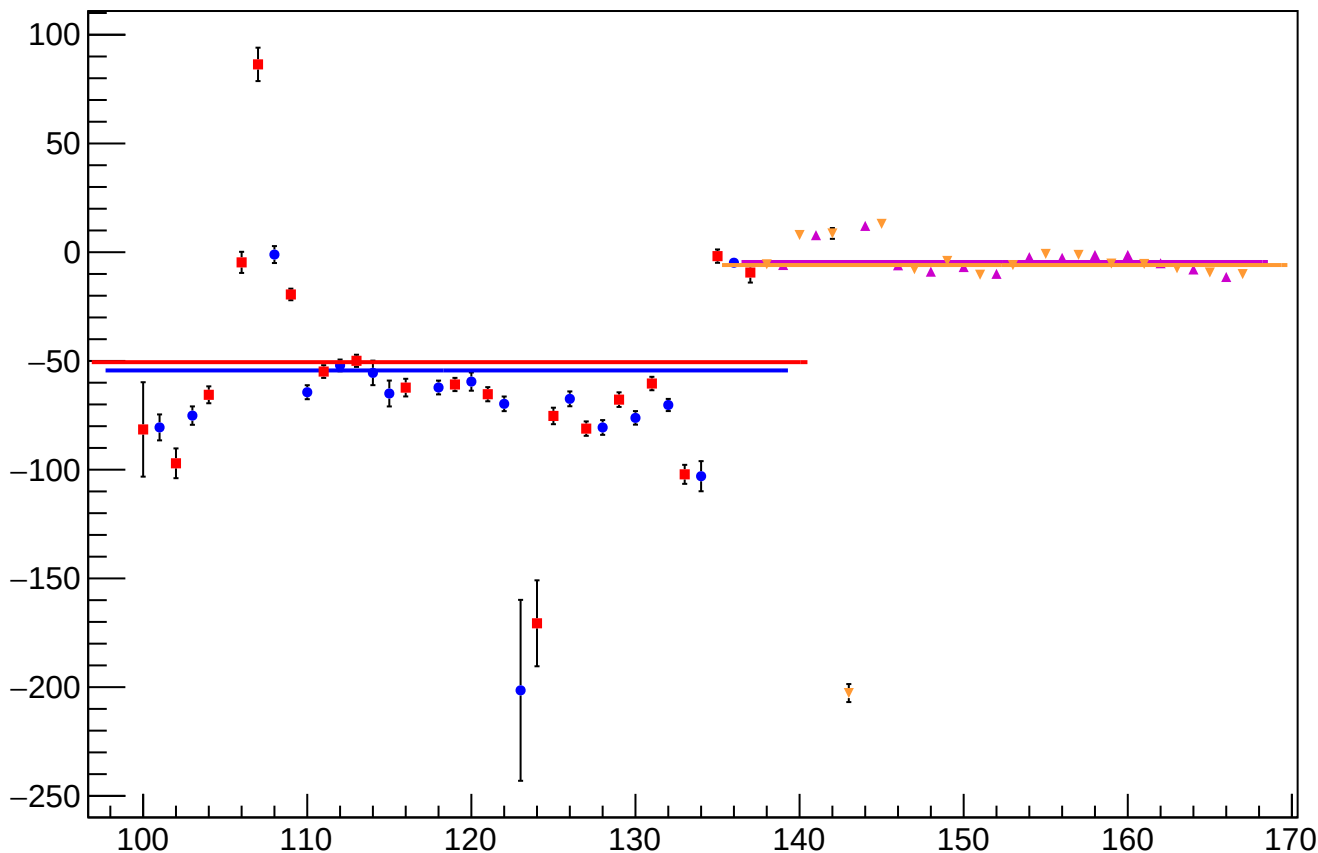
Right: 4.565 $\pm$ 0.334 χ^2 /NDF: 470.0/35

In: 1.423 $\pm$ 0.238 χ^2 /NDF:392.4/30

Out: 1.009 $\pm$ 0.232 χ^2 /NDF:307.0/34

All: 1.210 $\pm$ 0.166 χ^2 /NDF: 700.9/65

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: -4.497 ± 0.377 $\chi^2/\text{NDF}: 231.9/13$

Left: -5.215 ± 0.264 $\chi^2/\text{NDF}: 2794.2/29$

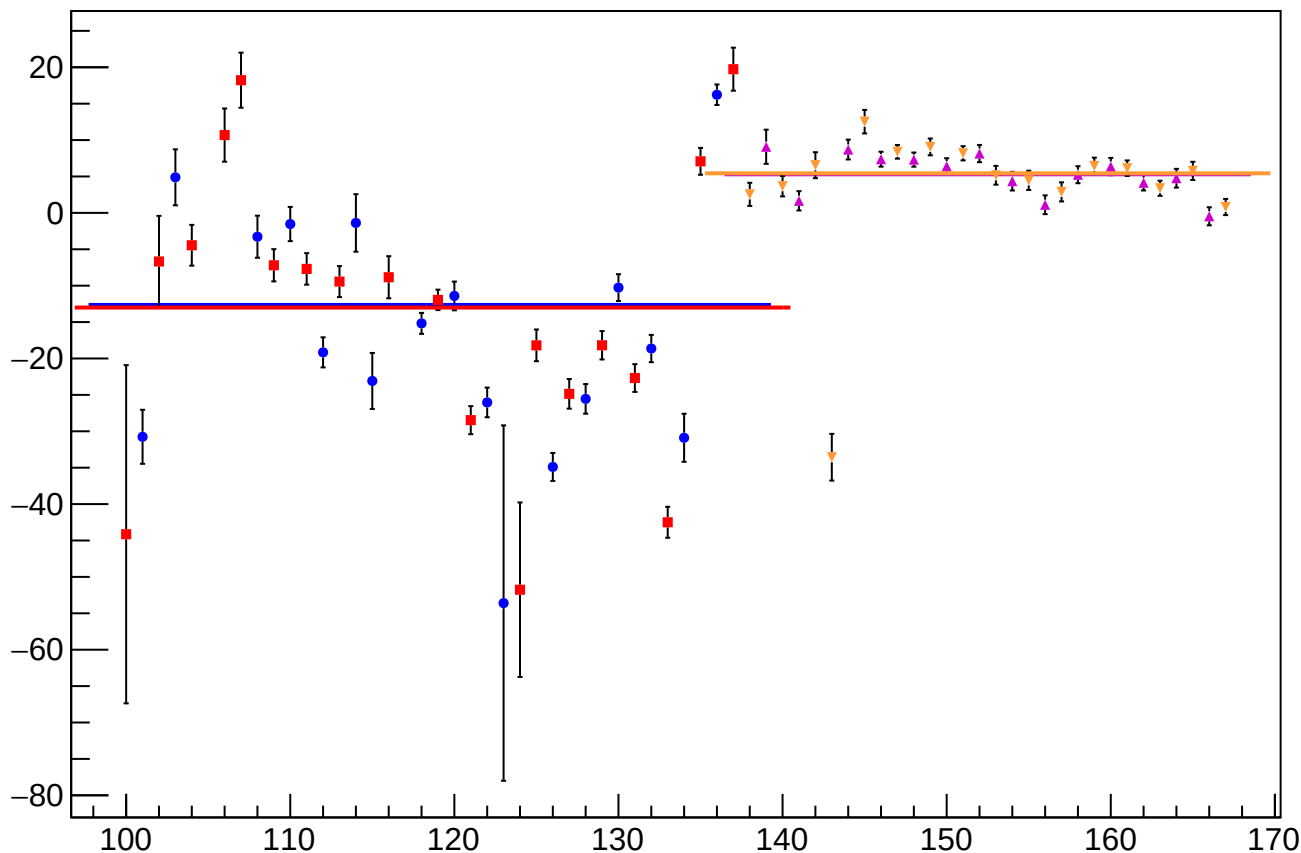
Right: -52.436 ± 0.610 $\chi^2/\text{NDF}: 2344.5/35$

In: -12.421 ± 0.346 $\chi^2/\text{NDF}: 4020.1/30$

Out: -12.847 ± 0.338 $\chi^2/\text{NDF}: 6166.4/34$

All: -12.639 ± 0.242 $\chi^2/\text{NDF}: 10187.3/65$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 $\pm$ 0.536 χ^2 /NDF: 788.4/16

Left Out: 5.434 $\pm$ 0.310 χ^2 /NDF:226.6/15

Right Out: -13.005 $\pm$ 0.538 χ^2 /NDF: 721.4/18

Left In: 5.299 $\pm$ 0.322 χ^2 /NDF:66.5/13

Left: 5.369 $\pm$ 0.223 χ^2 /NDF: 293.1/29

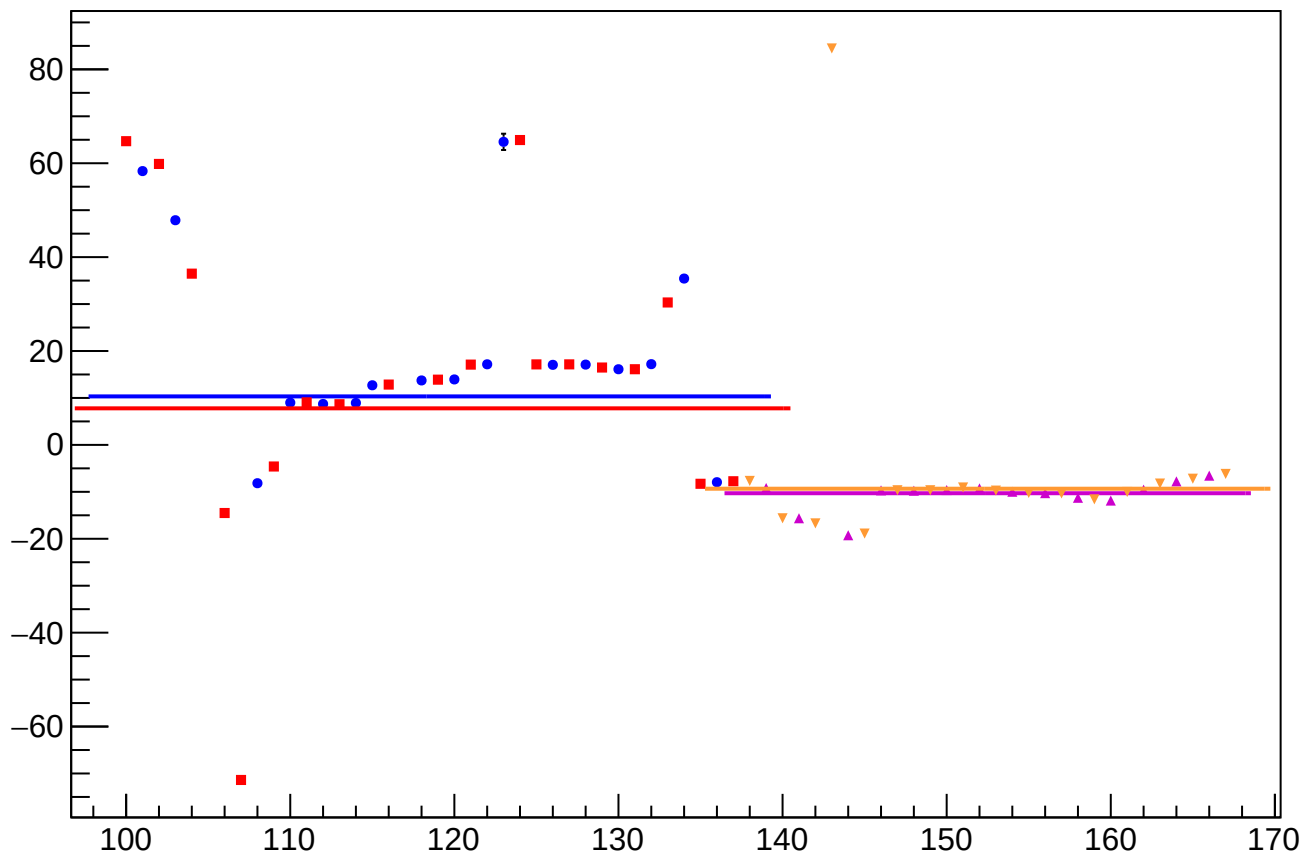
Right: -12.826 $\pm$ 0.380 χ^2 /NDF: 1510.1/35

In: 0.537 $\pm$ 0.276 χ^2 /NDF:1677.7/30

Out: 0.833 $\pm$ 0.269 χ^2 /NDF:1831.1/34

All: 0.689 $\pm$ 0.193 χ^2 /NDF: 3509.4/65

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: -10.297+/-0.015 χ^2/NDF : 29346.7/13

Left: -9.803+/-0.010 χ^2/NDF : 394936.7/29

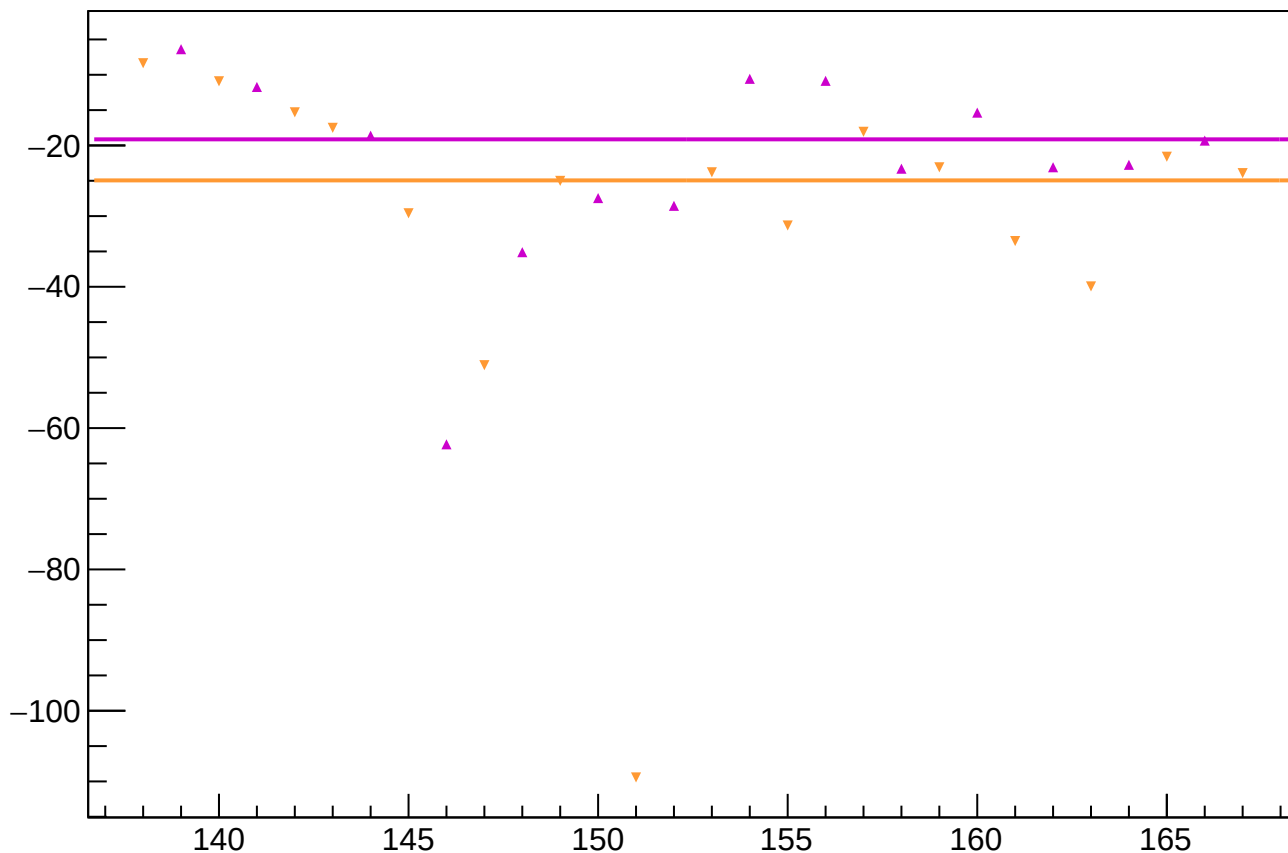
Right: 9.084+/-0.022 χ^2/NDF : 928345.1/35

In: -6.362+/-0.013 χ^2/NDF : 776090.1/30

Out: -6.321+/-0.013 χ^2/NDF : 1154047.4/34

All: -6.341+/-0.009 χ^2/NDF : 1930142.2/65

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: -19.138+/-0.056 χ^2/NDF : 37037.8/13

Left: -21.741+/-0.041 χ^2/NDF : 98697.9/29

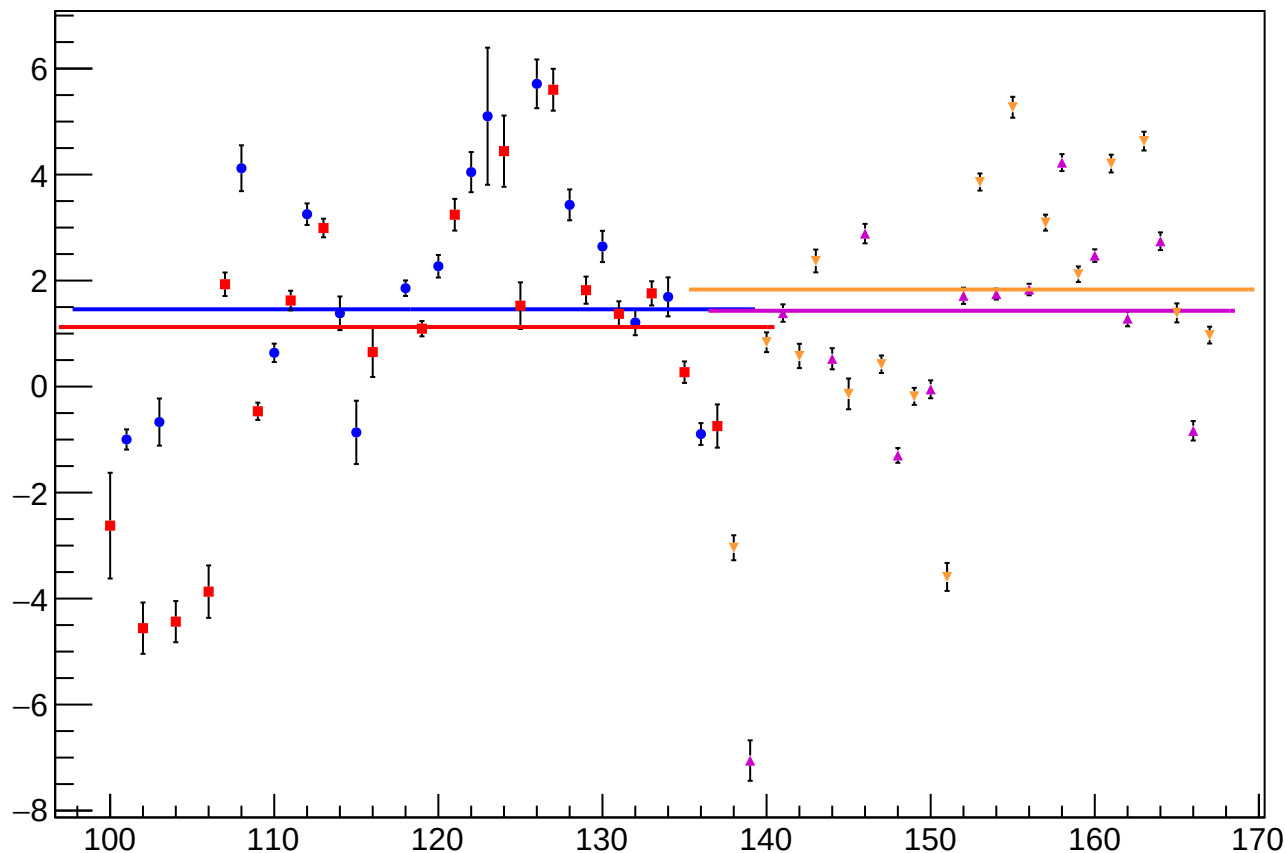
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.138+/-0.056 χ^2/NDF : 37037.8/13

Out: -24.946+/-0.062 χ^2/NDF : 56752.8/15

All: -21.741+/-0.041 χ^2/NDF : 98697.9/29

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.831 ± 0.046 χ^2/NDF : 2214.4/15

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

Left In: 1.430 ± 0.040 χ^2/NDF : 1659.4/13

Left: 1.604 ± 0.030 χ^2/NDF : 3917.6/29

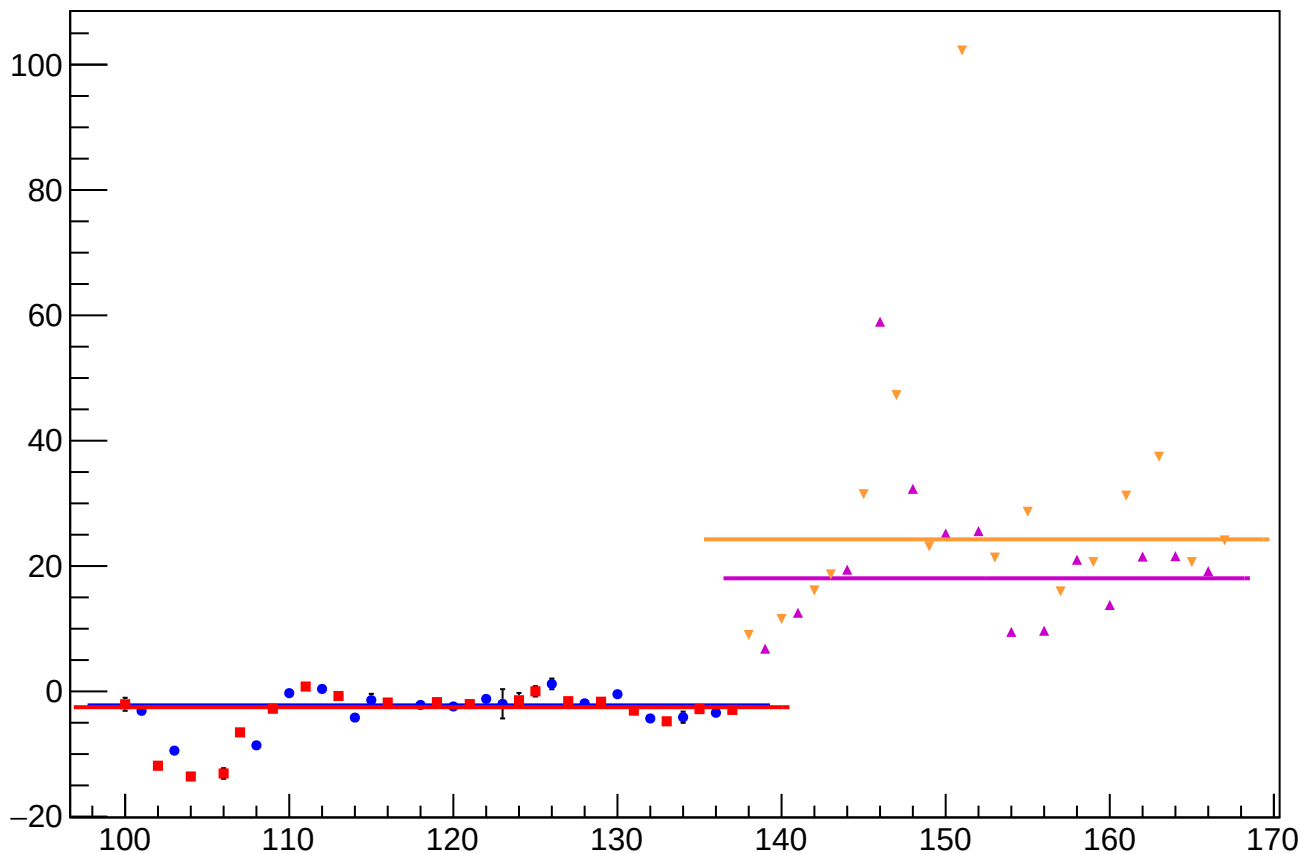
Right: 1.280 ± 0.042 χ^2/NDF : 1661.2/35

In: 1.438 ± 0.034 χ^2/NDF : 2357.7/30

Out: 1.562 ± 0.036 χ^2/NDF : 3253.8/34

All: 1.496 ± 0.024 χ^2/NDF : 5617.8/65

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: 18.045+/-0.053 χ^2/NDF :35151.2/13

Left: 20.768+/-0.040 χ^2/NDF : 91900.6/29

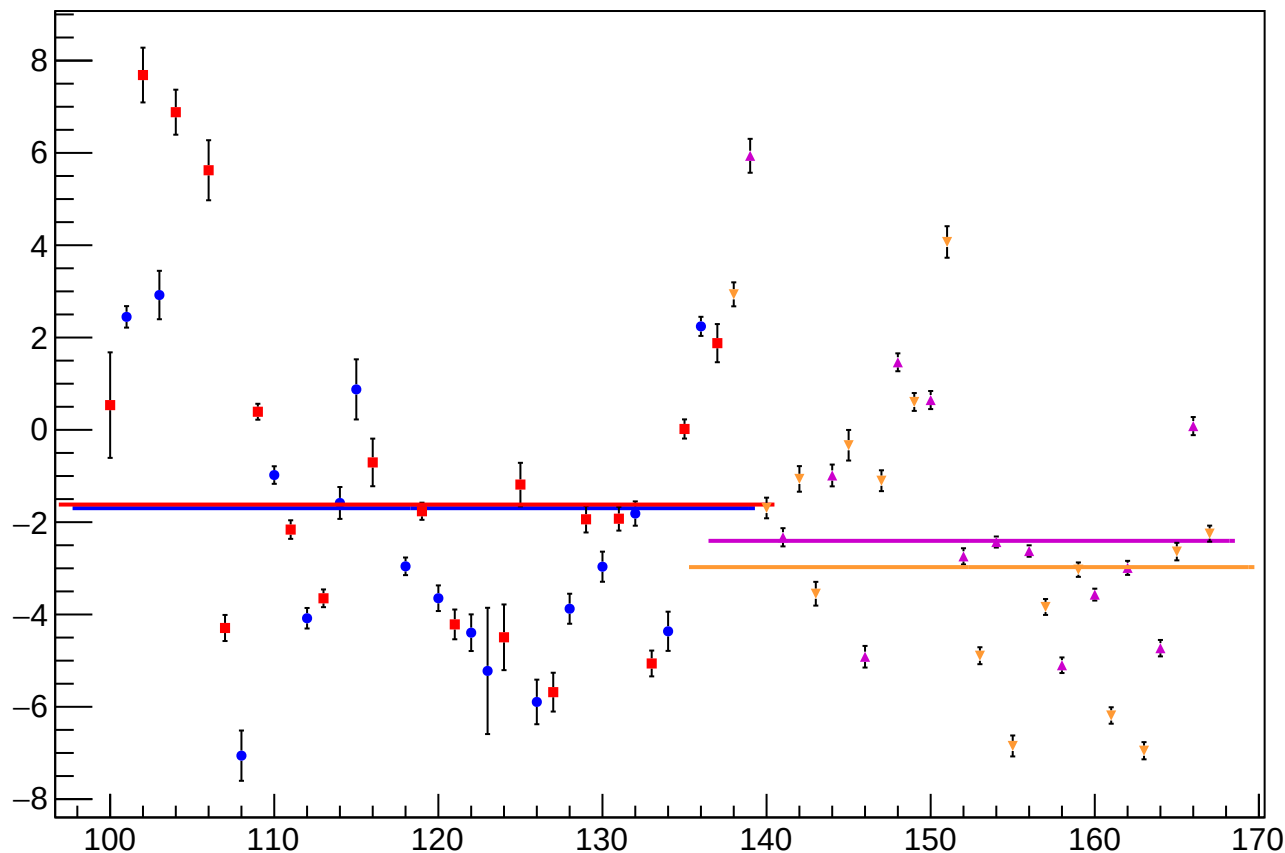
Right: -2.391+/-0.074 χ^2/NDF : 1368.3/35

In: 14.241+/-0.048 χ^2/NDF :62580.6/30

Out: 16.968+/-0.052 χ^2/NDF :105005.7/34

All: 15.510+/-0.035 χ^2/NDF : 169076.1/65

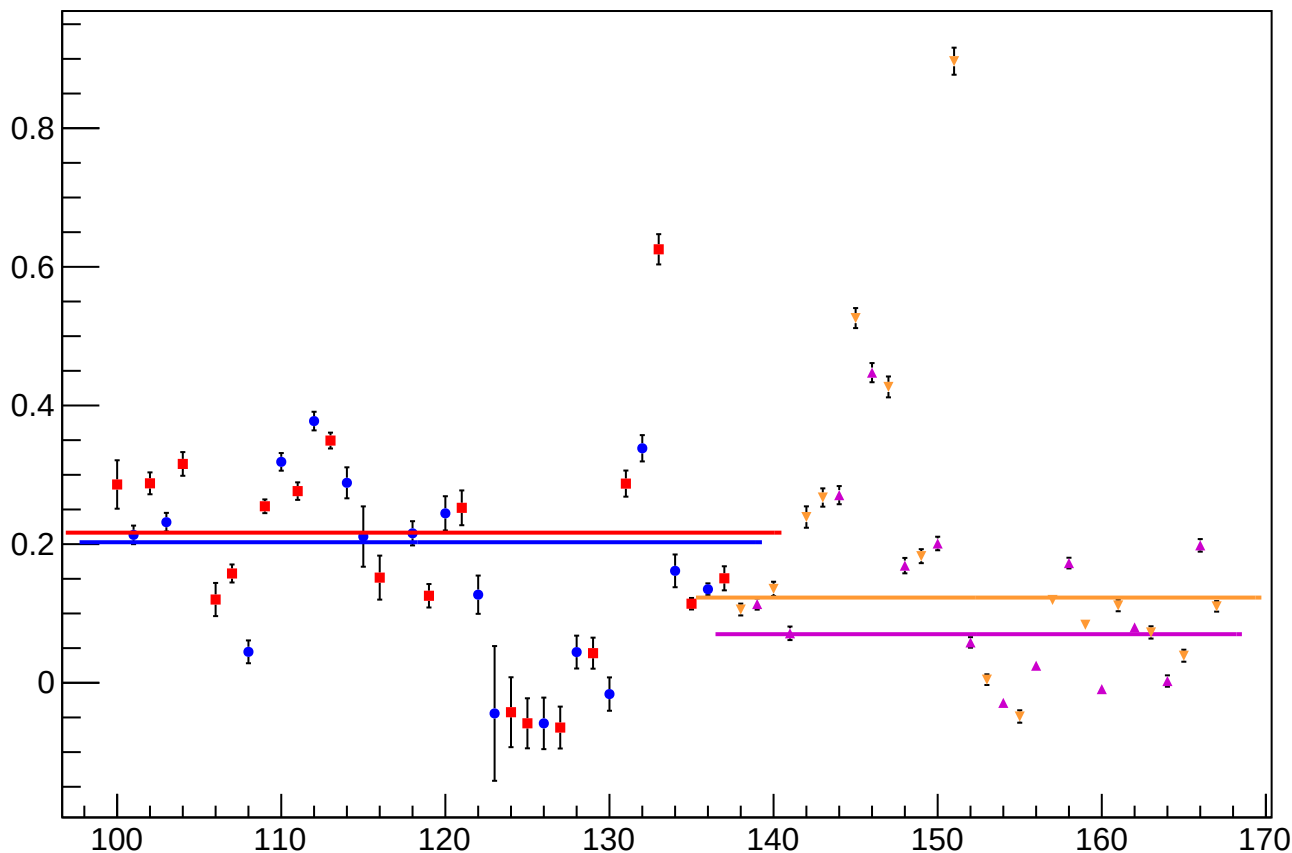
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -2.404 ± 0.045 χ^2/NDF : 1997.2/13

Left: -2.651 ± 0.034 χ^2/NDF : 4795.9/29
 Right: -1.655 ± 0.048 χ^2/NDF : 2809.3/35
 In: -2.200 ± 0.038 χ^2/NDF : 3386.9/30
 Out: -2.453 ± 0.041 χ^2/NDF : 4482.1/34
 All: -2.319 ± 0.028 χ^2/NDF : 7889.6/65

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: 0.070 ± 0.002 χ^2/NDF : 2382.9/13

Left: 0.092 ± 0.002 χ^2/NDF : 6413.1/29

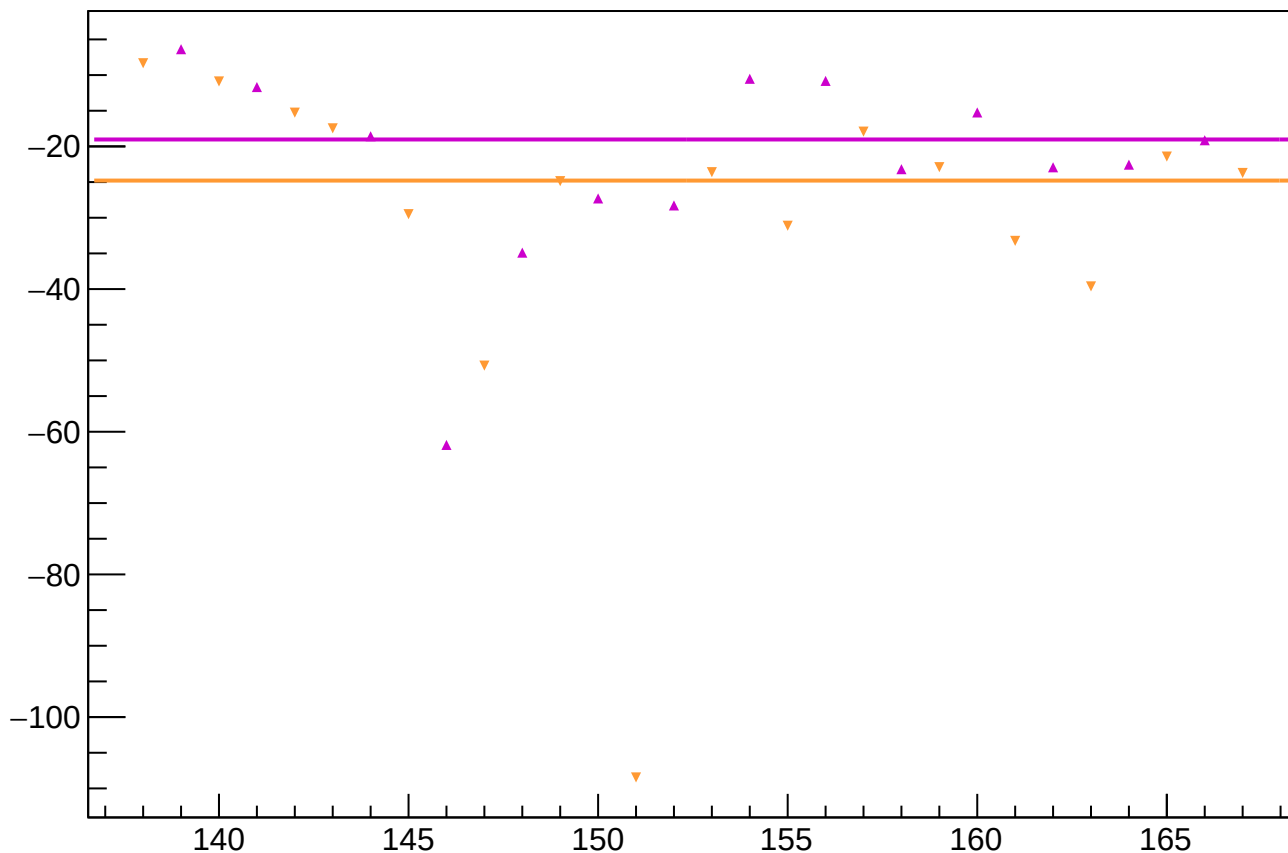
Right: 0.210 ± 0.003 χ^2/NDF : 1747.1/35

In: 0.095 ± 0.002 χ^2/NDF : 3887.8/30

Out: 0.150 ± 0.002 χ^2/NDF : 5257.7/34

All: 0.120 ± 0.001 χ^2/NDF : 9561.3/65

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: -19.028+/-0.055 χ^2/NDF :36947.1/13

Left: -21.611+/-0.041 χ^2/NDF : 98406.1/29

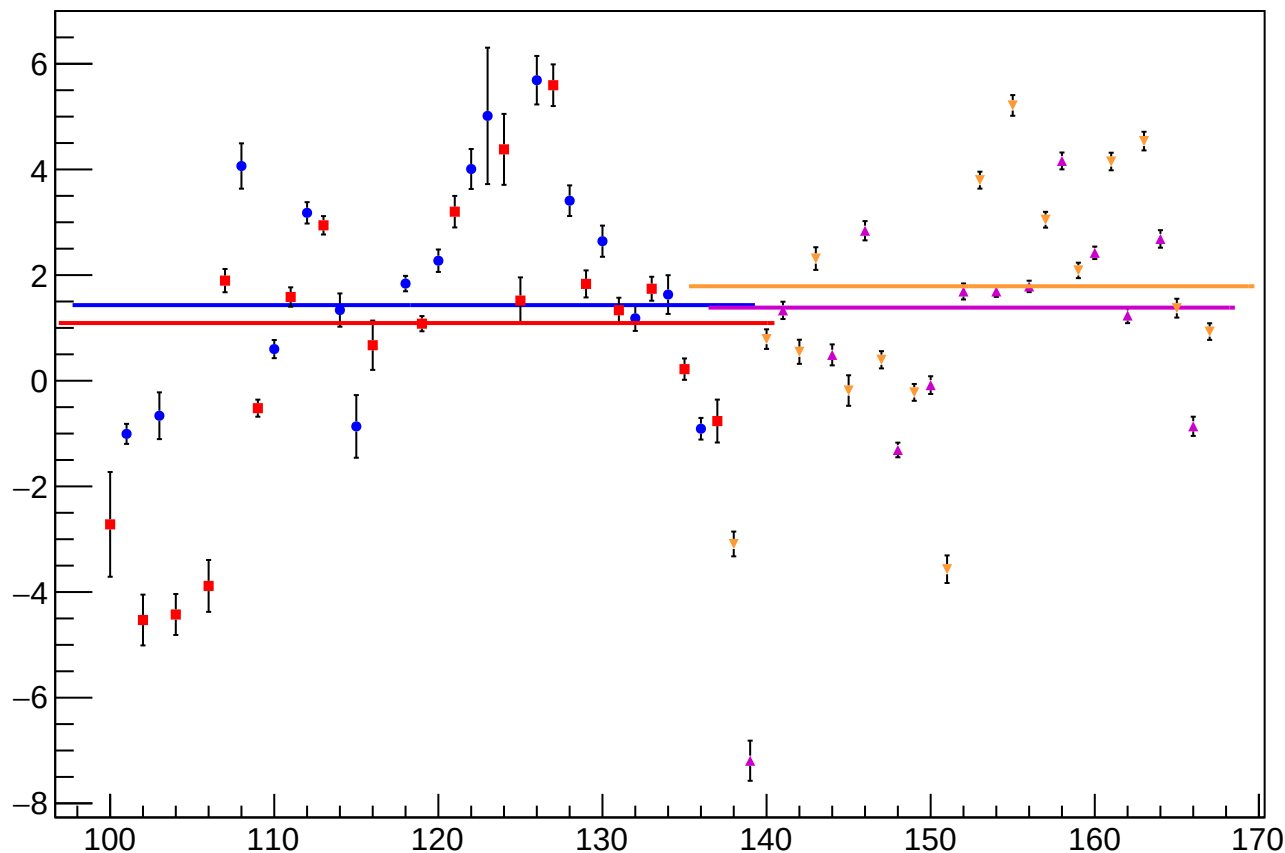
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.028+/-0.055 χ^2/NDF :36947.1/13

Out: -24.789+/-0.061 χ^2/NDF :56570.8/15

All: -21.611+/-0.041 χ^2/NDF : 98406.1/29

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.789 ± 0.045 χ^2/NDF : 2213.5/15

Right Out: 1.092 ± 0.058 χ^2/NDF : 953.2/18

Left In: 1.384 ± 0.040 χ^2/NDF : 1670.0/13

Left: 1.560 ± 0.030 χ^2/NDF : 3928.7/29

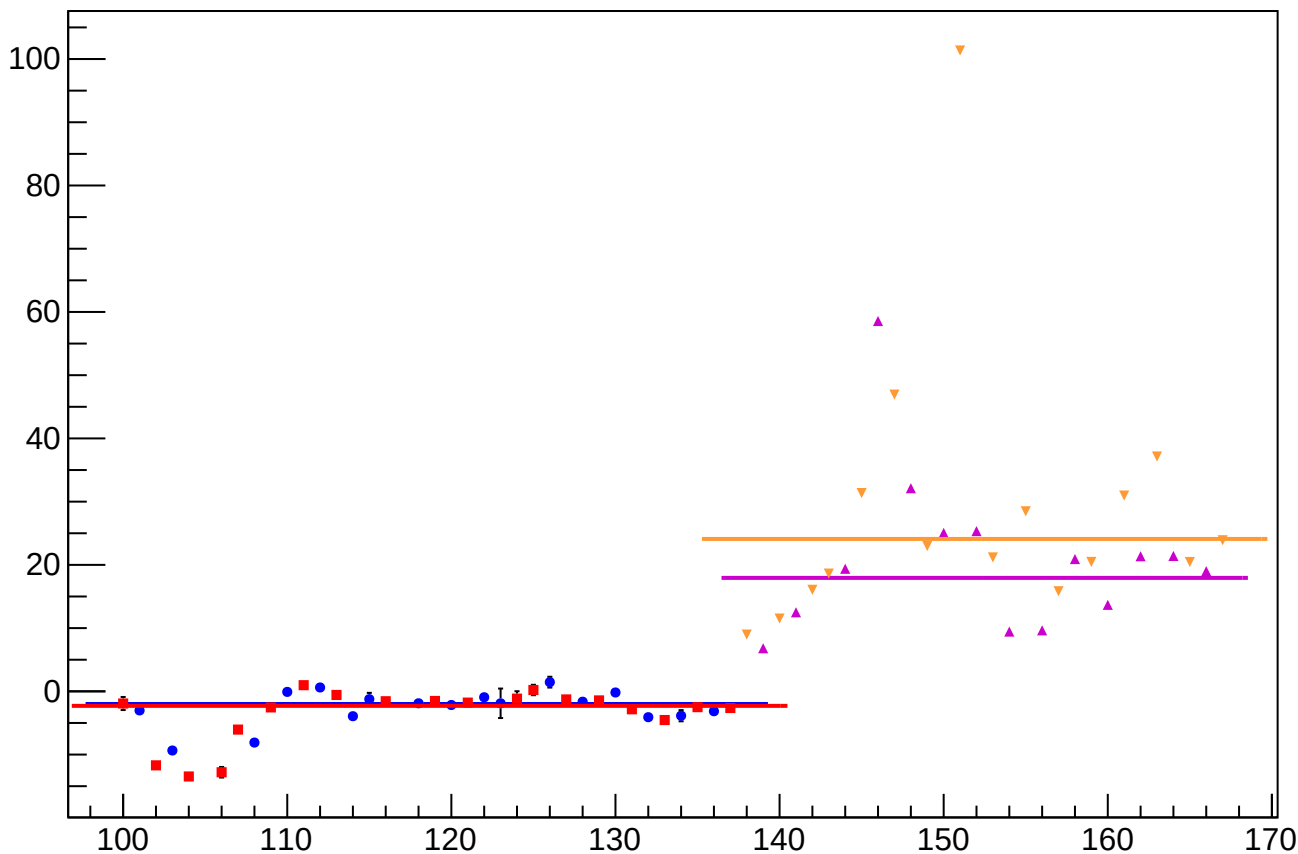
Right: 1.251 ± 0.042 χ^2/NDF : 1665.8/35

In: 1.398 ± 0.033 χ^2/NDF : 2367.0/30

Out: 1.524 ± 0.036 χ^2/NDF : 3256.5/34

All: 1.457 ± 0.024 χ^2/NDF : 5630.2/65

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: 17.942 ± 0.053 χ^2/NDF : 35074.6/13

Left: 20.643 ± 0.040 χ^2/NDF : 91660.0/29

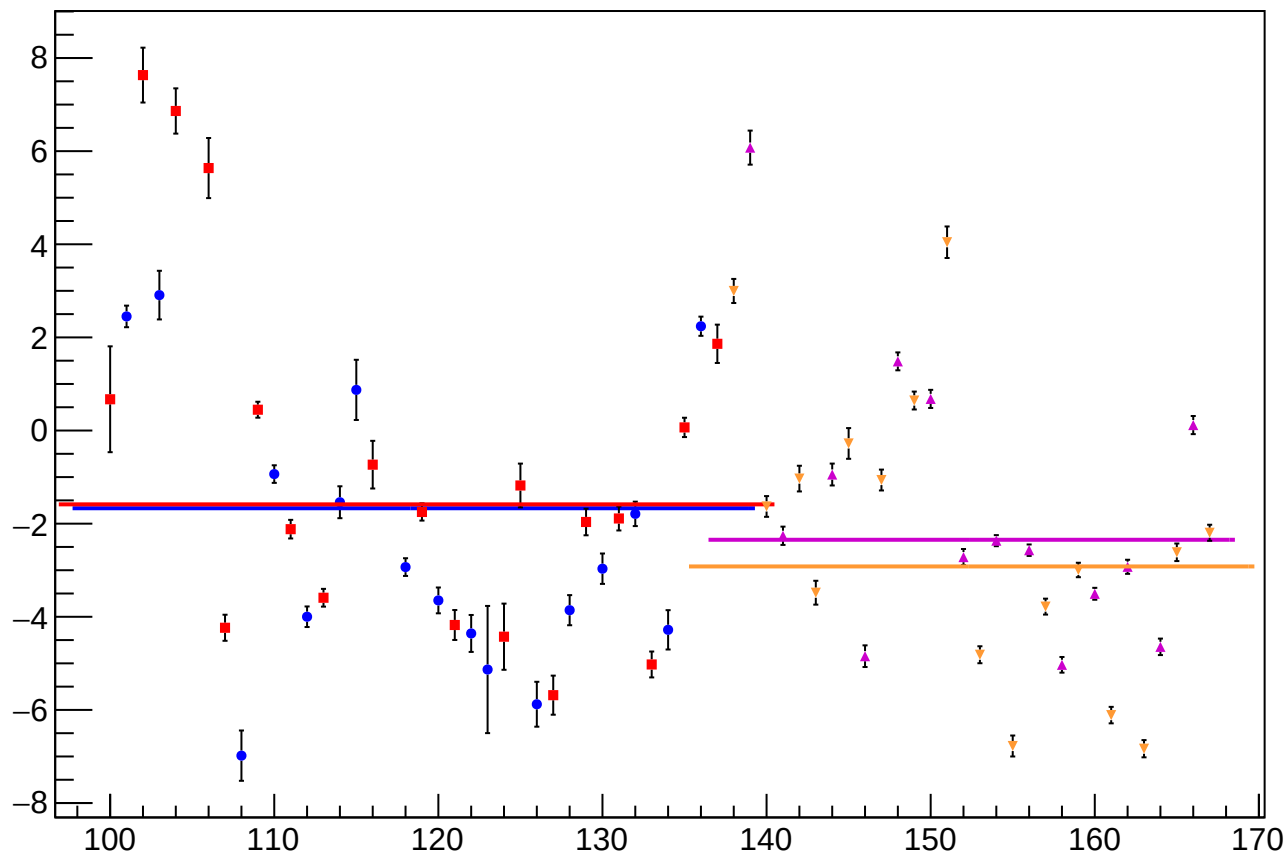
Right: -2.167 ± 0.074 χ^2/NDF : 1374.2/35

In: 14.207 ± 0.048 χ^2/NDF : 61917.5/30

Out: 16.928 ± 0.051 χ^2/NDF : 103948.7/34

All: 15.474 ± 0.035 χ^2/NDF : 167368.8/65

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: -2.346 ± 0.045 χ^2/NDF : 2009.3/13

Left: -2.595 ± 0.034 χ^2/NDF : 4807.5/29

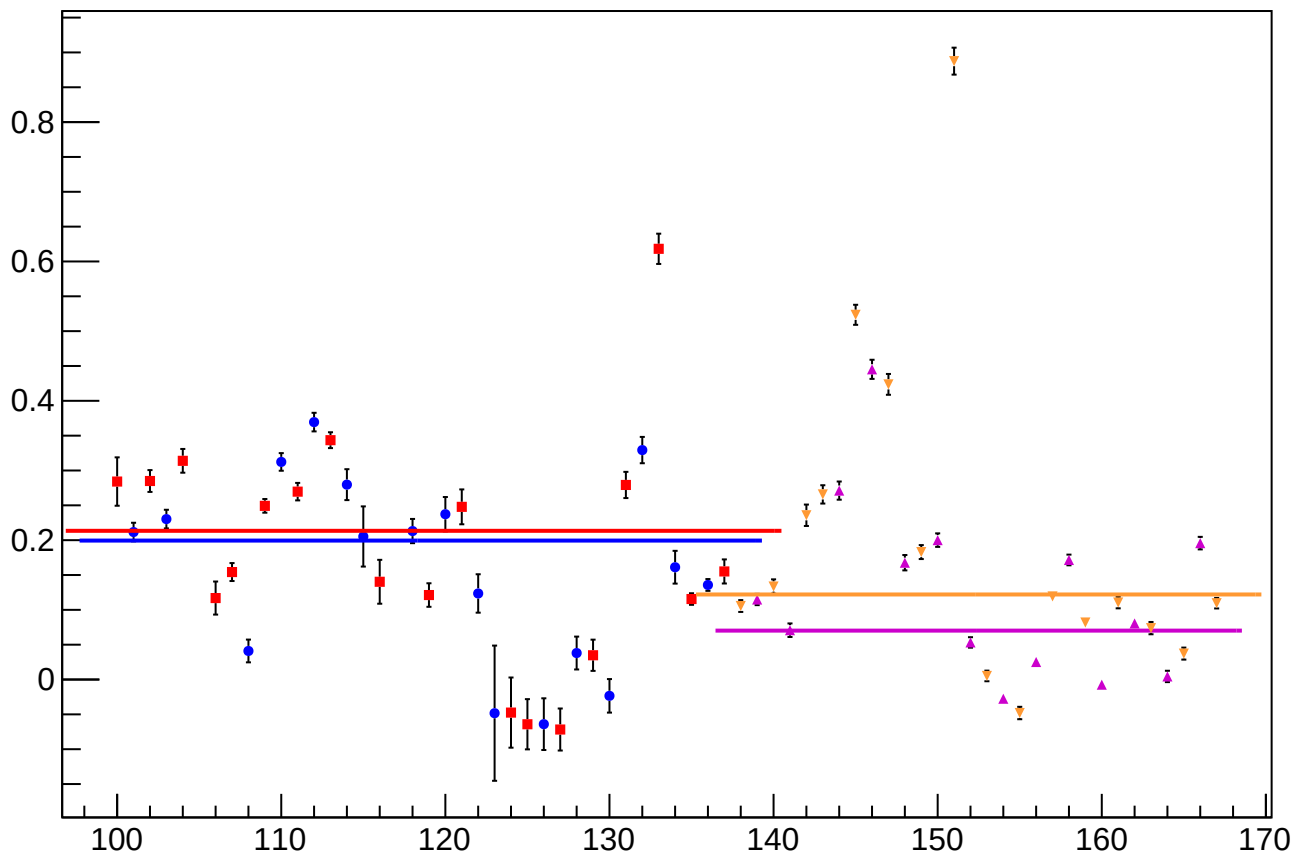
Right: -1.624 ± 0.048 χ^2/NDF : 2810.4/35

In: -2.151 ± 0.038 χ^2/NDF : 3389.3/30

Out: -2.408 ± 0.040 χ^2/NDF : 4479.6/34

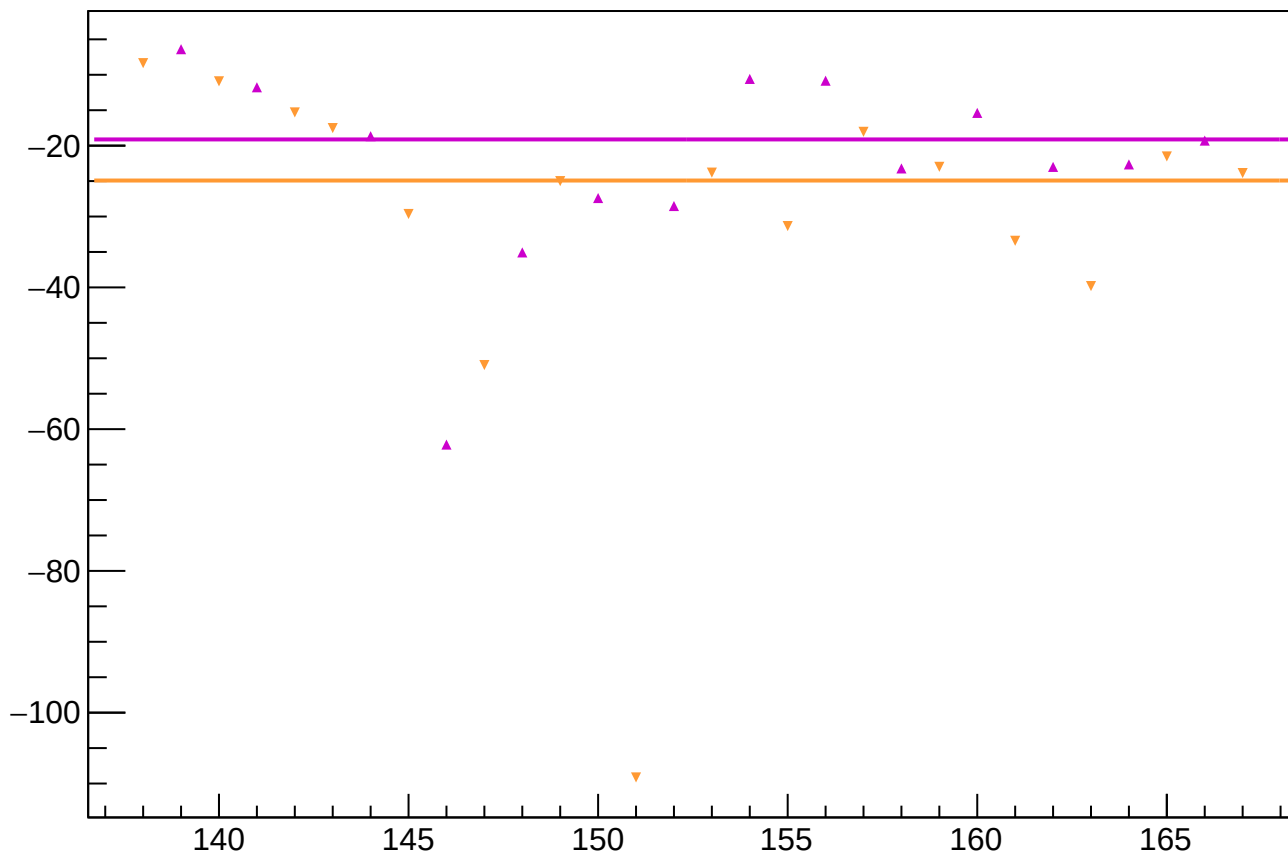
All: -2.271 ± 0.028 χ^2/NDF : 7890.4/65

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.092 $\pm$ 0.002 χ^2 /NDF: 6388.1/29
 Right: 0.207 $\pm$ 0.003 χ^2 /NDF: 1716.7/35
 In: 0.094 $\pm$ 0.002 χ^2 /NDF: 3826.2/30
 Out: 0.148 $\pm$ 0.002 χ^2 /NDF: 5219.0/34
 All: 0.119 $\pm$ 0.001 χ^2 /NDF: 9451.3/65

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: -19.122+/-0.055 χ^2/NDF :37012.9/13

Left: -21.720+/-0.041 χ^2/NDF : 98622.3/29

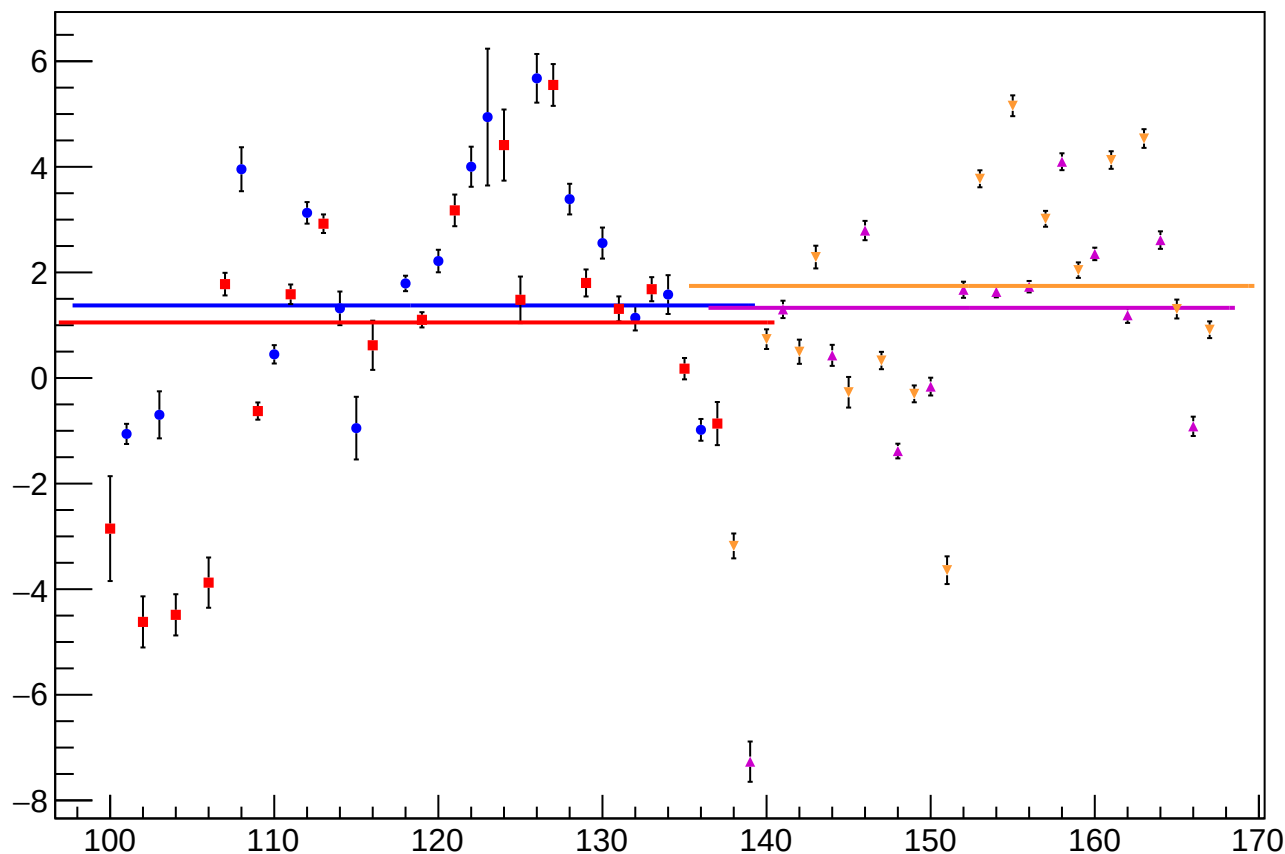
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.122+/-0.055 χ^2/NDF :37012.9/13

Out: -24.920+/-0.061 χ^2/NDF :56697.3/15

All: -21.720+/-0.041 χ^2/NDF : 98622.3/29

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: 1.744 $\pm$ 0.045 χ^2 /NDF:2230.2/15

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 964.0/18

Left In: 1.329 $\pm$ 0.040 χ^2 /NDF:1662.0/13

Left: 1.509 $\pm$ 0.030 χ^2 /NDF: 3939.4/29

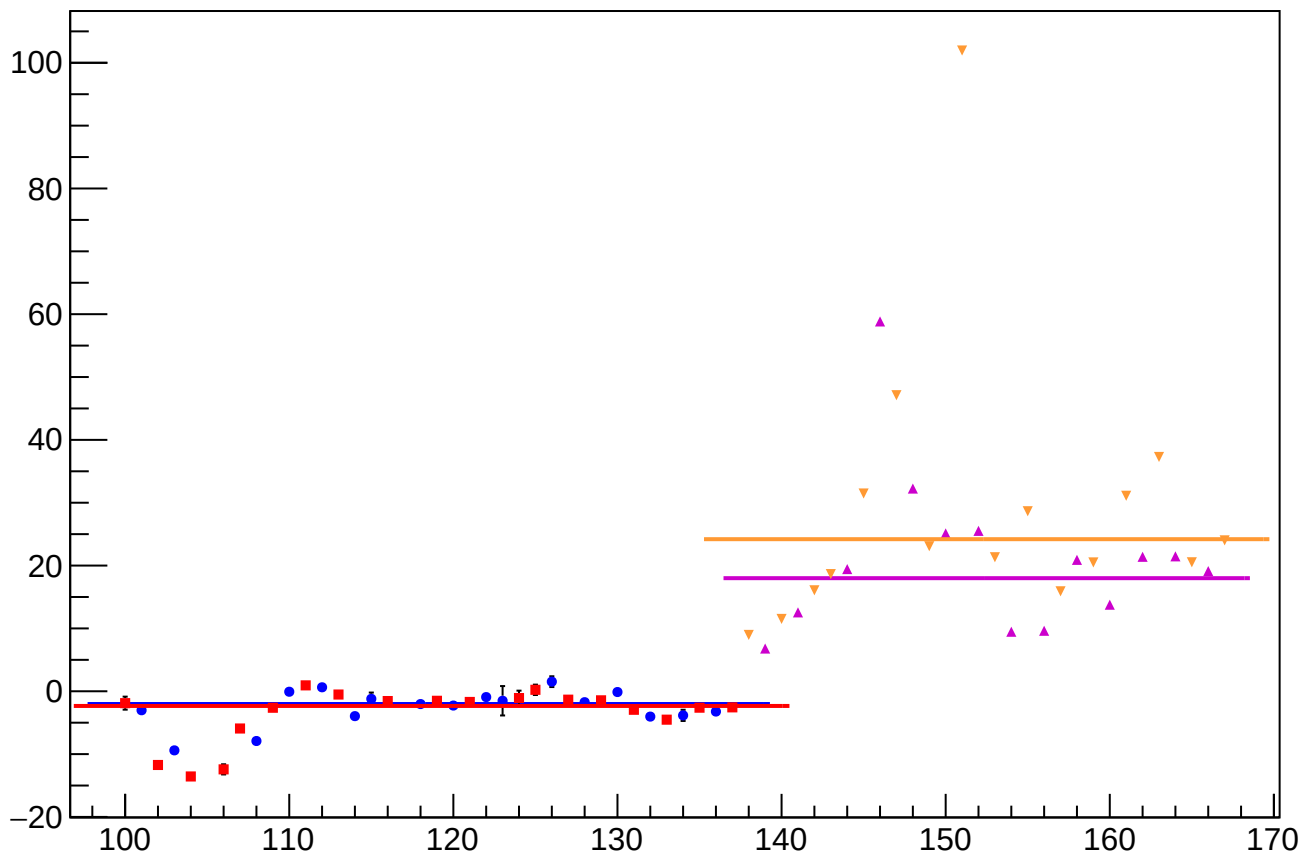
Right: 1.203 $\pm$ 0.042 χ^2 /NDF: 1680.9/35

In: 1.342 $\pm$ 0.033 χ^2 /NDF:2364.8/30

Out: 1.481 $\pm$ 0.036 χ^2 /NDF:3282.4/34

All: 1.407 $\pm$ 0.024 χ^2 /NDF: 5655.2/65

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 24.198 ± 0.060 χ^2/NDF : 50802.4/15

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

Left In: 17.995 ± 0.053 χ^2/NDF : 35150.2/13

Left: 20.713 ± 0.040 χ^2/NDF : 91878.9/29

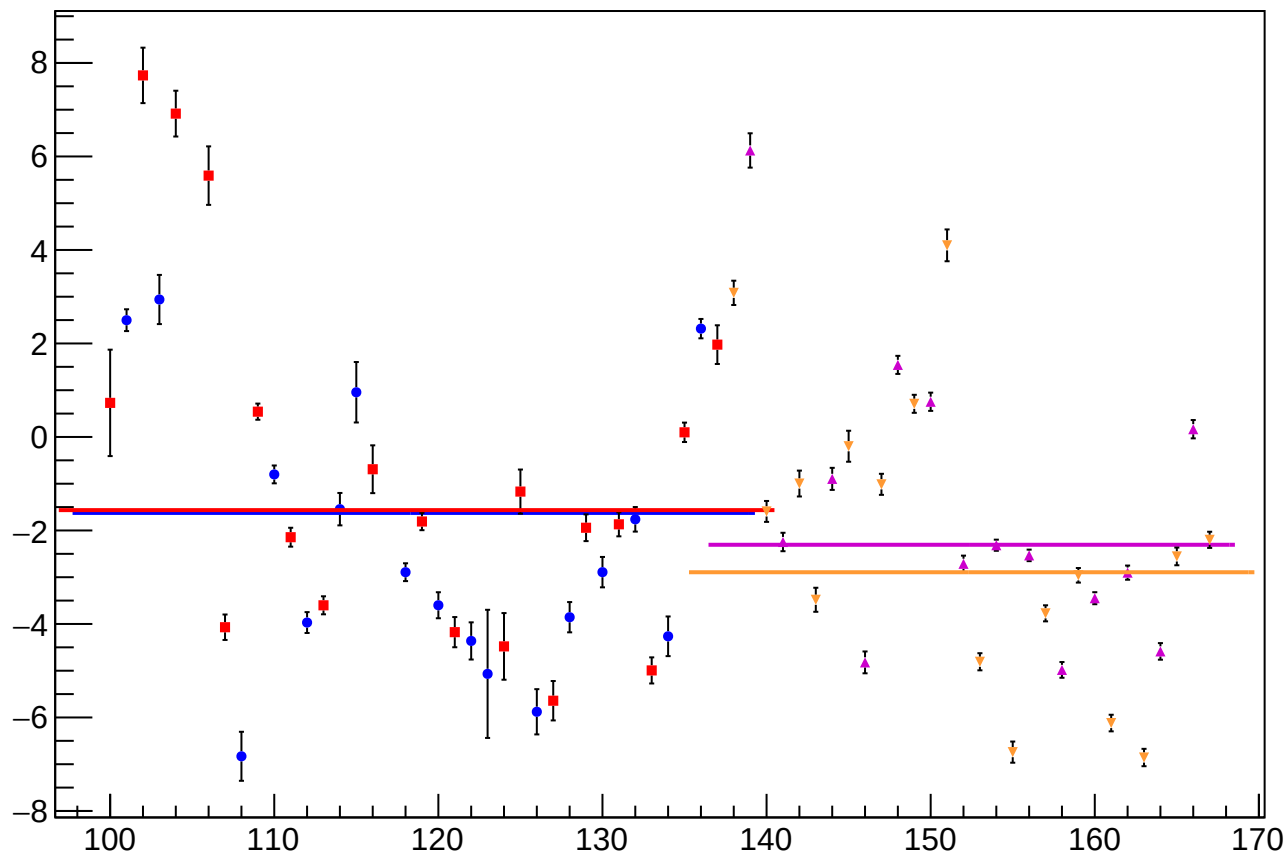
Right: -2.202 ± 0.074 χ^2/NDF : 1369.3/35

In: 14.255 ± 0.048 χ^2/NDF : 61938.5/30

Out: 16.995 ± 0.052 χ^2/NDF : 104102.4/34

All: 15.530 ± 0.035 χ^2/NDF : 167551.0/65

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Left: -2.561 ± 0.034 $\chi^2/\text{NDF}: 4826.8/29$

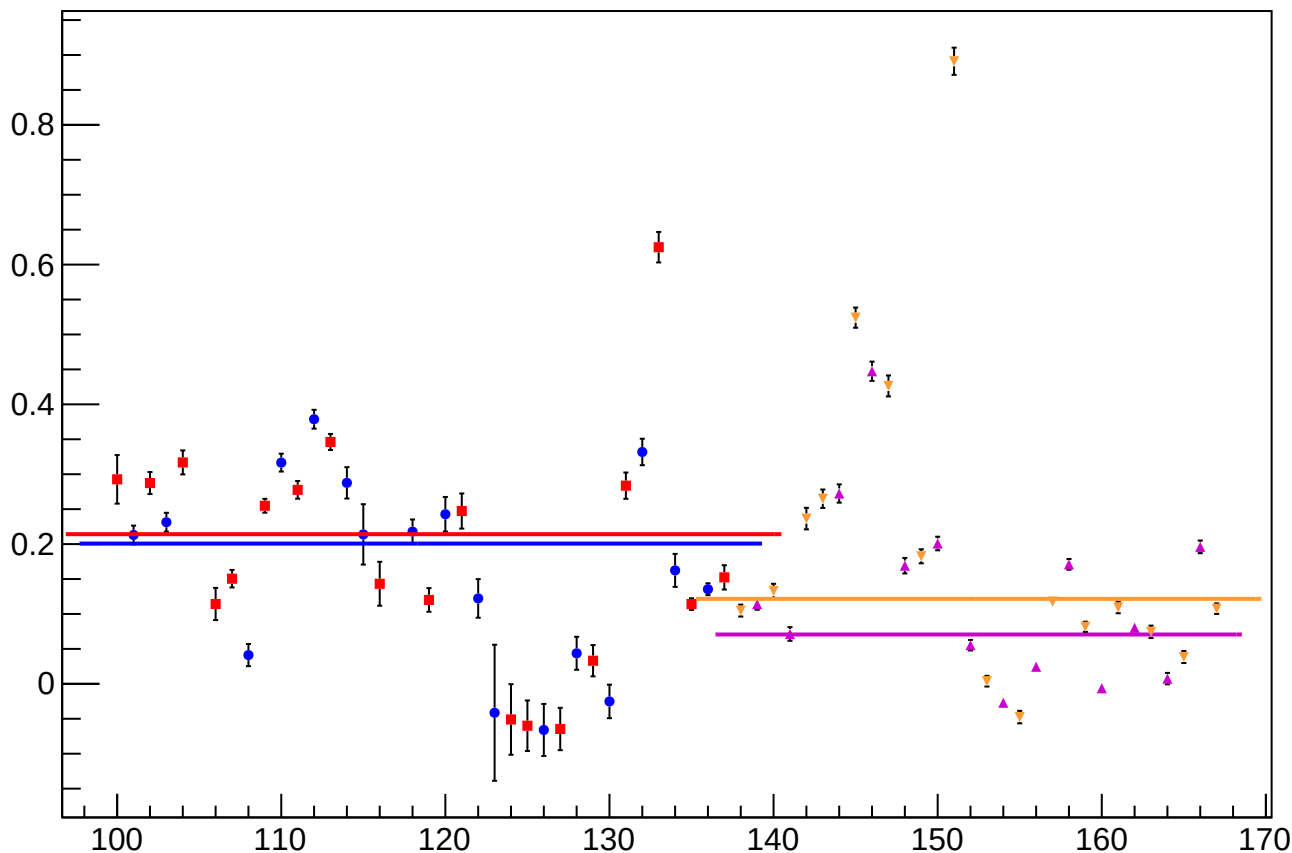
Right: -1.592 ± 0.048 $\chi^2/\text{NDF}: 2826.9/35$

In: -2.110 ± 0.038 $\chi^2/\text{NDF}: 3388.0/30$

Out: -2.384 ± 0.041 $\chi^2/\text{NDF}: 4510.7/34$

All: -2.238 ± 0.028 $\chi^2/\text{NDF}: 7922.9/65$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.122 ± 0.002 χ^2/NDF : 3717.9/15

Right Out: 0.214 ± 0.004 χ^2/NDF : 1080.4/18

Left In: 0.071 ± 0.002 χ^2/NDF : 2352.3/13

Left: 0.092 ± 0.002 χ^2/NDF : 6347.2/29

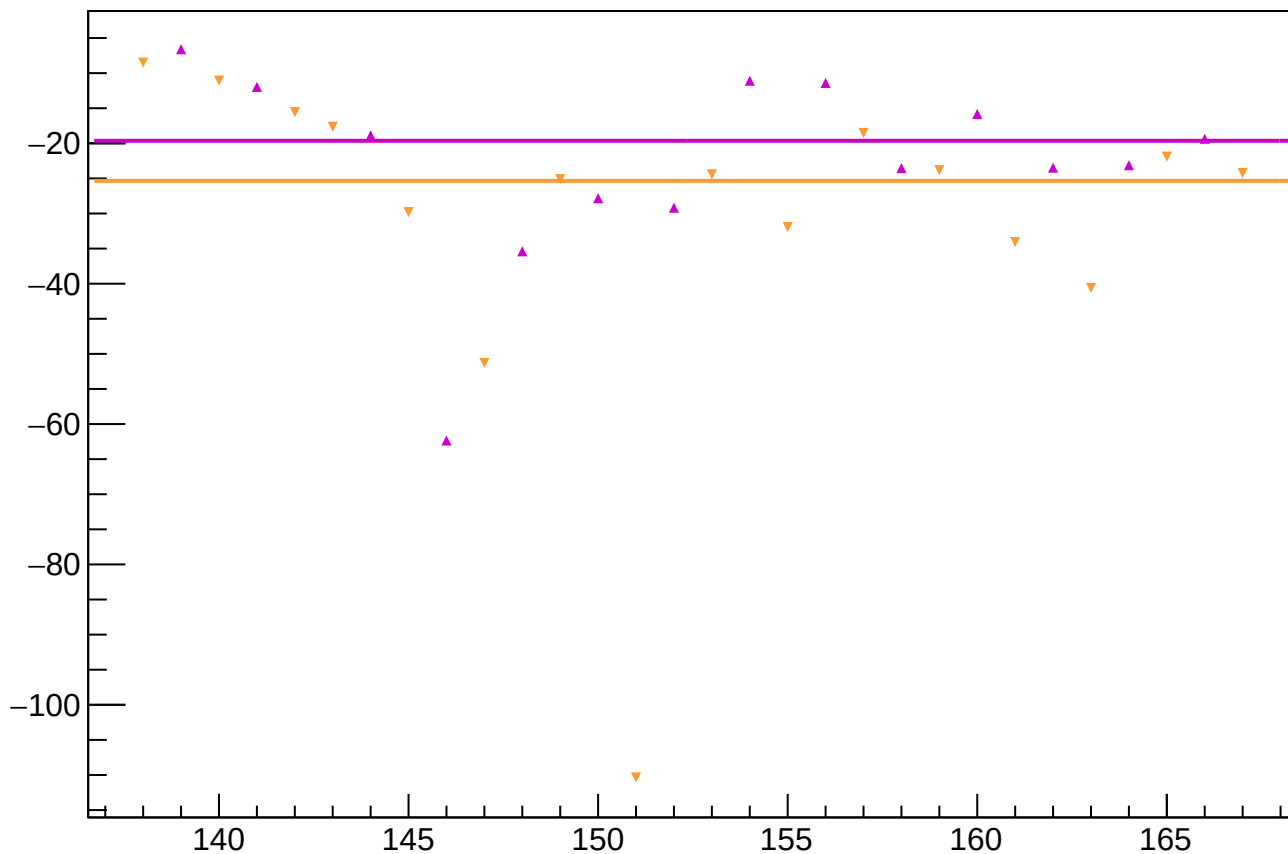
Right: 0.208 ± 0.003 χ^2/NDF : 1776.9/35

In: 0.095 ± 0.002 χ^2/NDF : 3842.3/30

Out: 0.148 ± 0.002 χ^2/NDF : 5248.7/34

All: 0.119 ± 0.001 χ^2/NDF : 9485.2/65

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: -19.638+/-0.057 χ^2/NDF :35860.7/13

Left: -22.211+/-0.042 χ^2/NDF : 97053.6/29

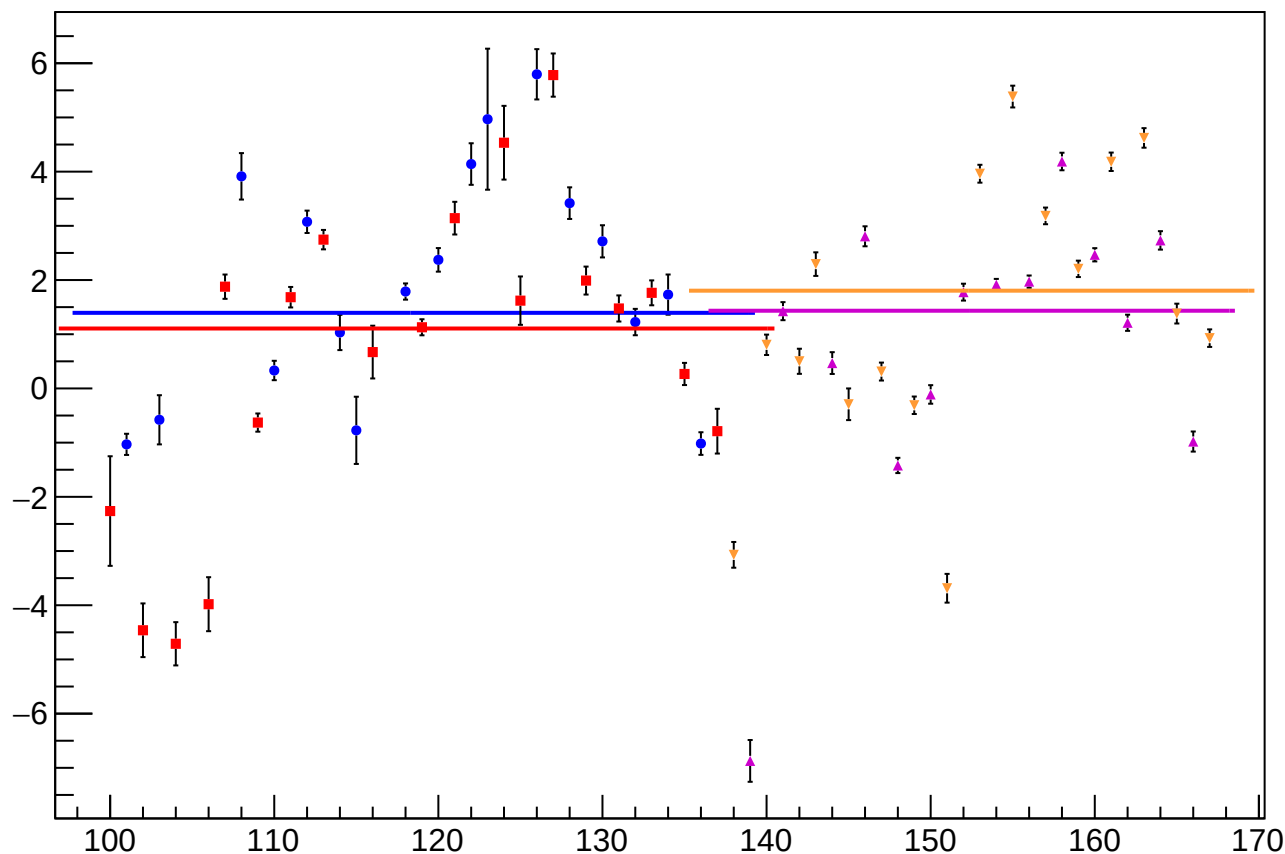
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.638+/-0.057 χ^2/NDF :35860.7/13

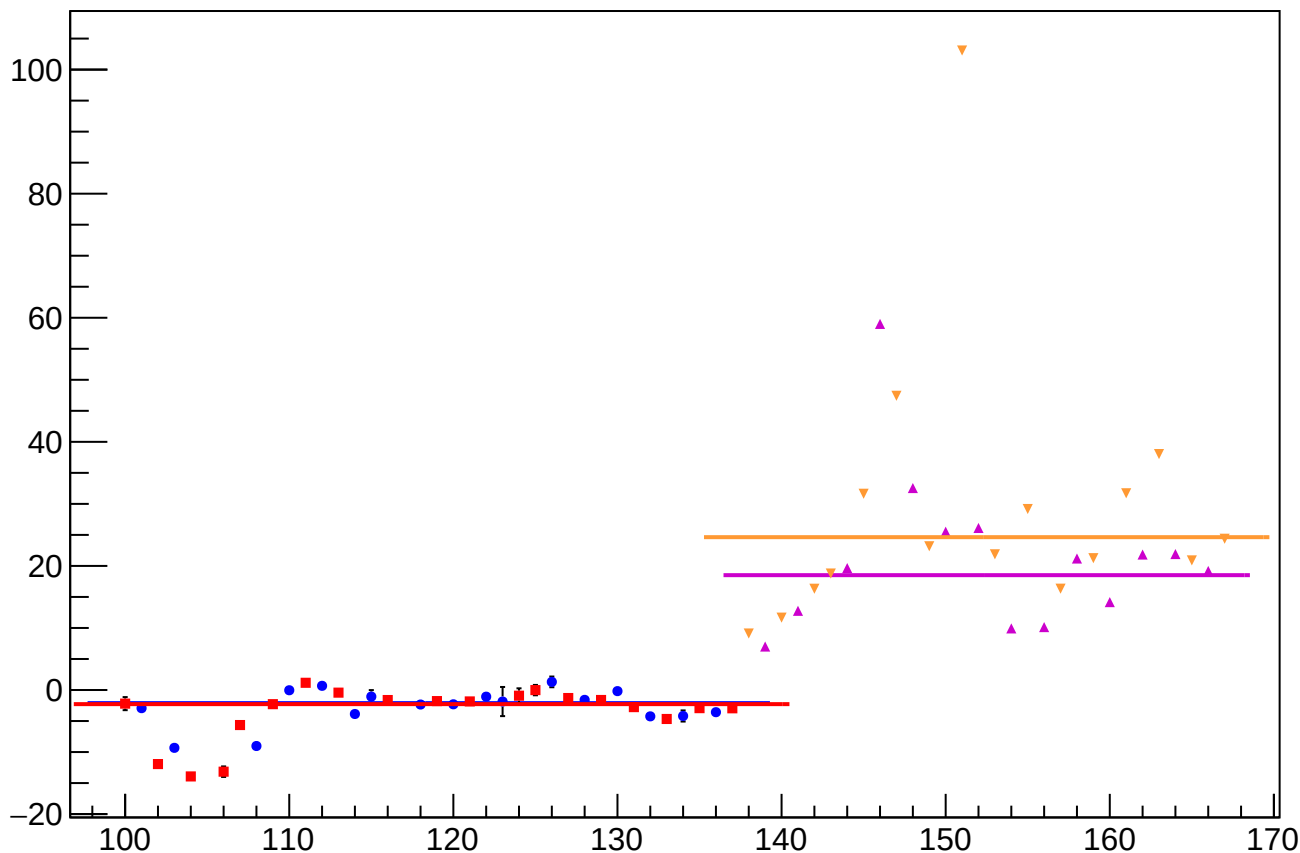
Out: -25.344+/-0.063 χ^2/NDF :56623.9/15

All: -22.211+/-0.042 χ^2/NDF : 97053.6/29

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 24.634 ± 0.061 χ^2/NDF : 50582.2/15

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

Left In: 18.511 ± 0.055 χ^2/NDF : 33887.4/13

Left: 21.213 ± 0.041 χ^2/NDF : 90009.8/29

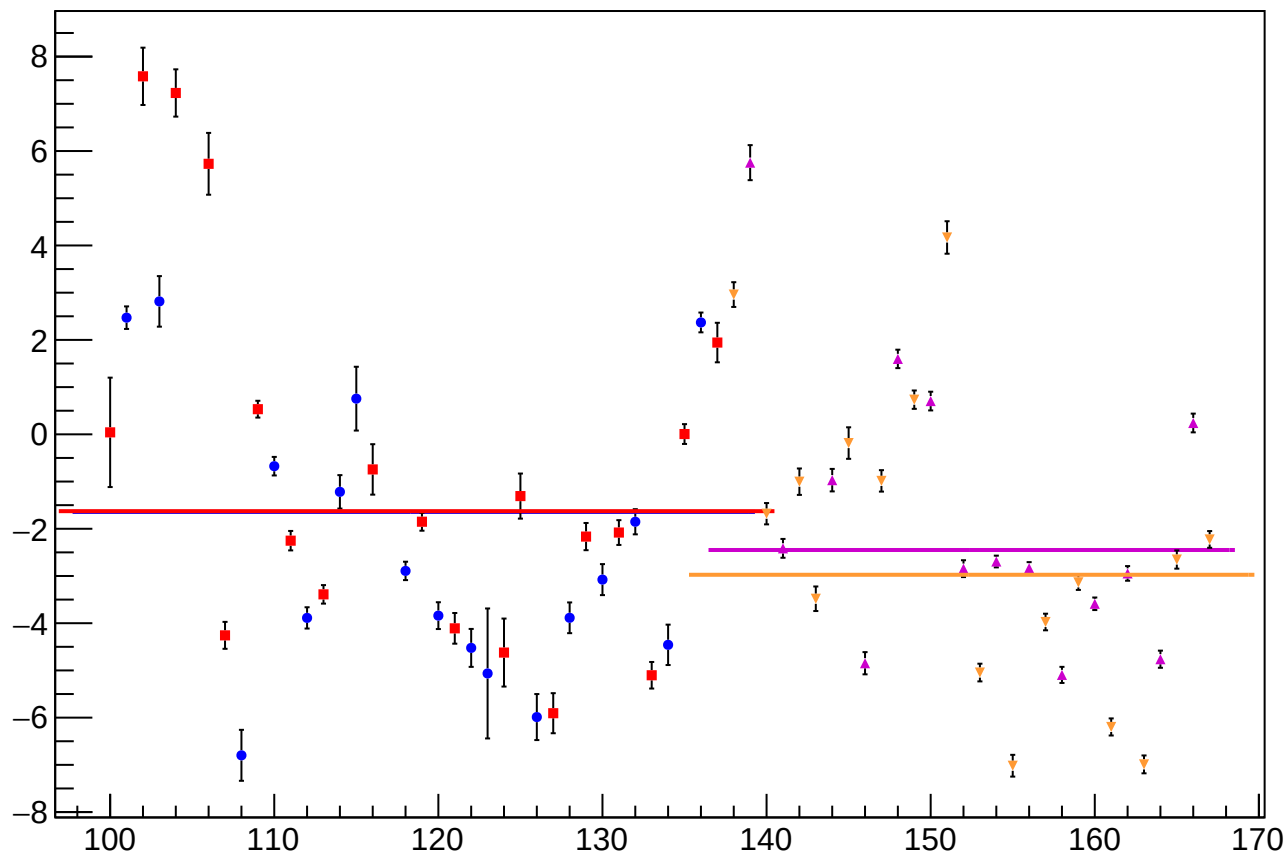
Right: -2.207 ± 0.075 χ^2/NDF : 1406.8/35

In: 14.617 ± 0.049 χ^2/NDF : 61271.0/30

Out: 17.360 ± 0.053 χ^2/NDF : 103266.5/34

All: 15.900 ± 0.036 χ^2/NDF : 165988.9/65

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: -2.449 ± 0.046 χ^2/NDF : 2002.4/13

Left: -2.679 ± 0.035 χ^2/NDF : 4849.9/29

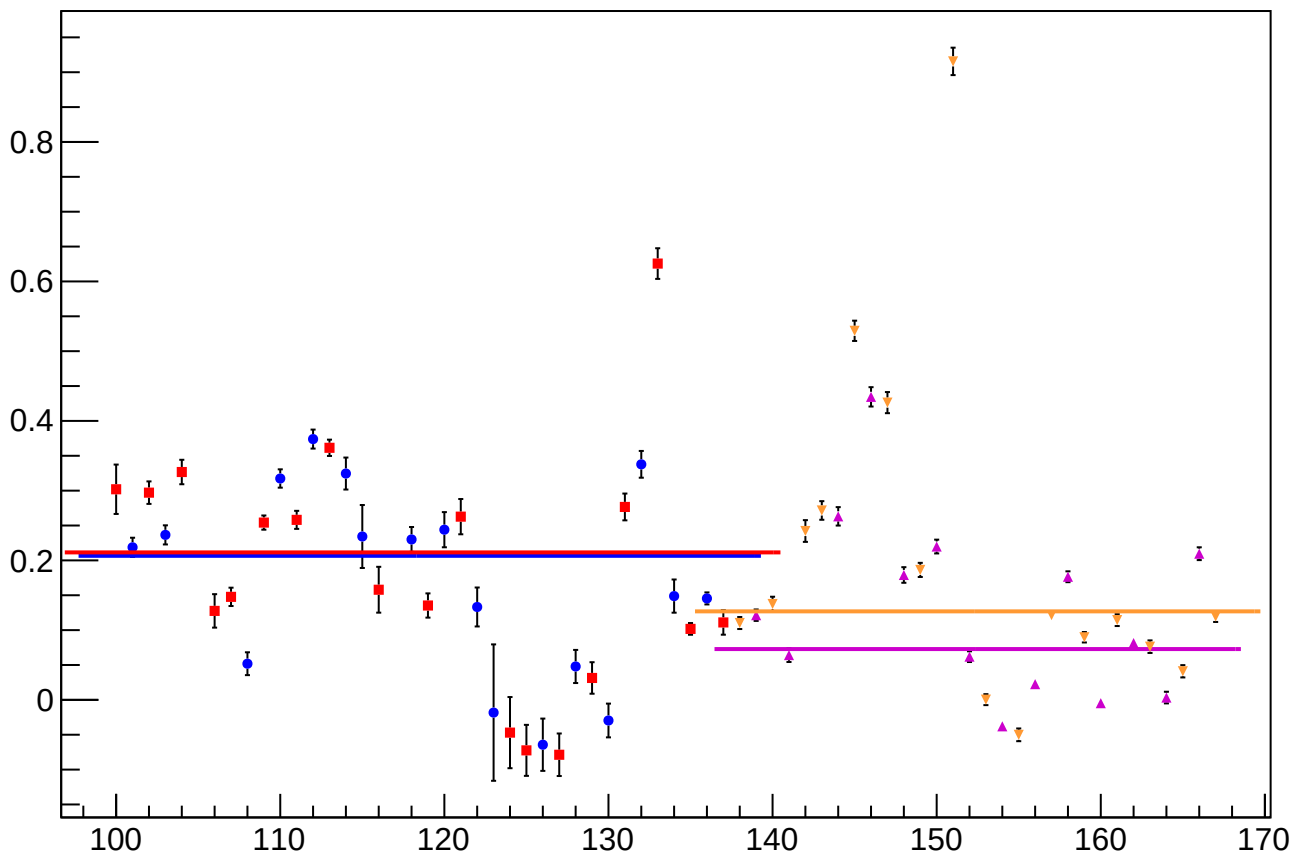
Right: -1.635 ± 0.049 χ^2/NDF : 2778.2/35

In: -2.215 ± 0.039 χ^2/NDF : 3400.5/30

Out: -2.459 ± 0.041 χ^2/NDF : 4509.8/34

All: -2.330 ± 0.028 χ^2/NDF : 7928.8/65

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: 0.073 ± 0.002 χ^2/NDF : 2432.5/13

Left: 0.096 ± 0.002 χ^2/NDF : 6495.9/29

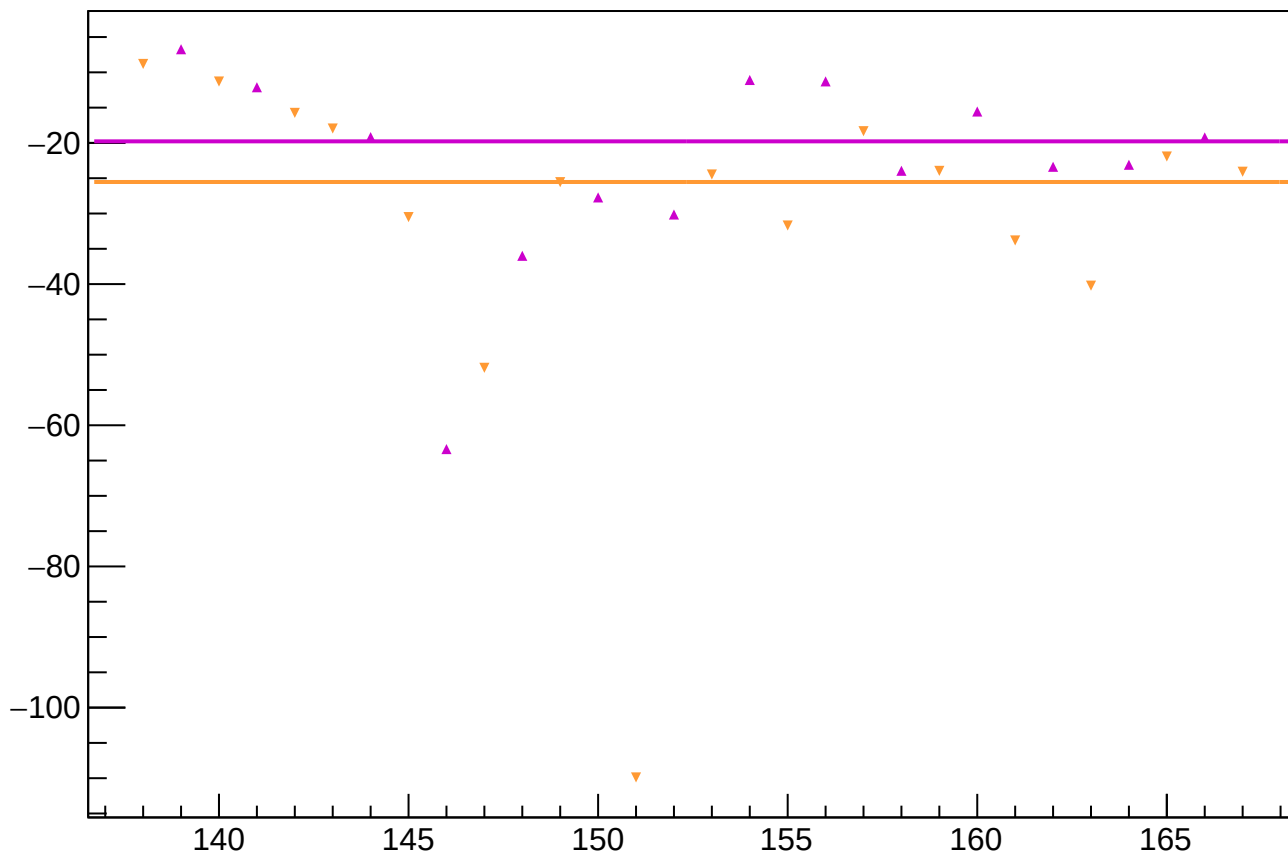
Right: 0.209 ± 0.003 χ^2/NDF : 1801.3/35

In: 0.098 ± 0.002 χ^2/NDF : 3900.4/30

Out: 0.151 ± 0.002 χ^2/NDF : 5272.6/34

All: 0.122 ± 0.001 χ^2/NDF : 9545.8/65

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: -19.777+/-0.057 χ^2/NDF :36176.7/13

Left: -22.384+/-0.042 χ^2/NDF : 96135.4/29

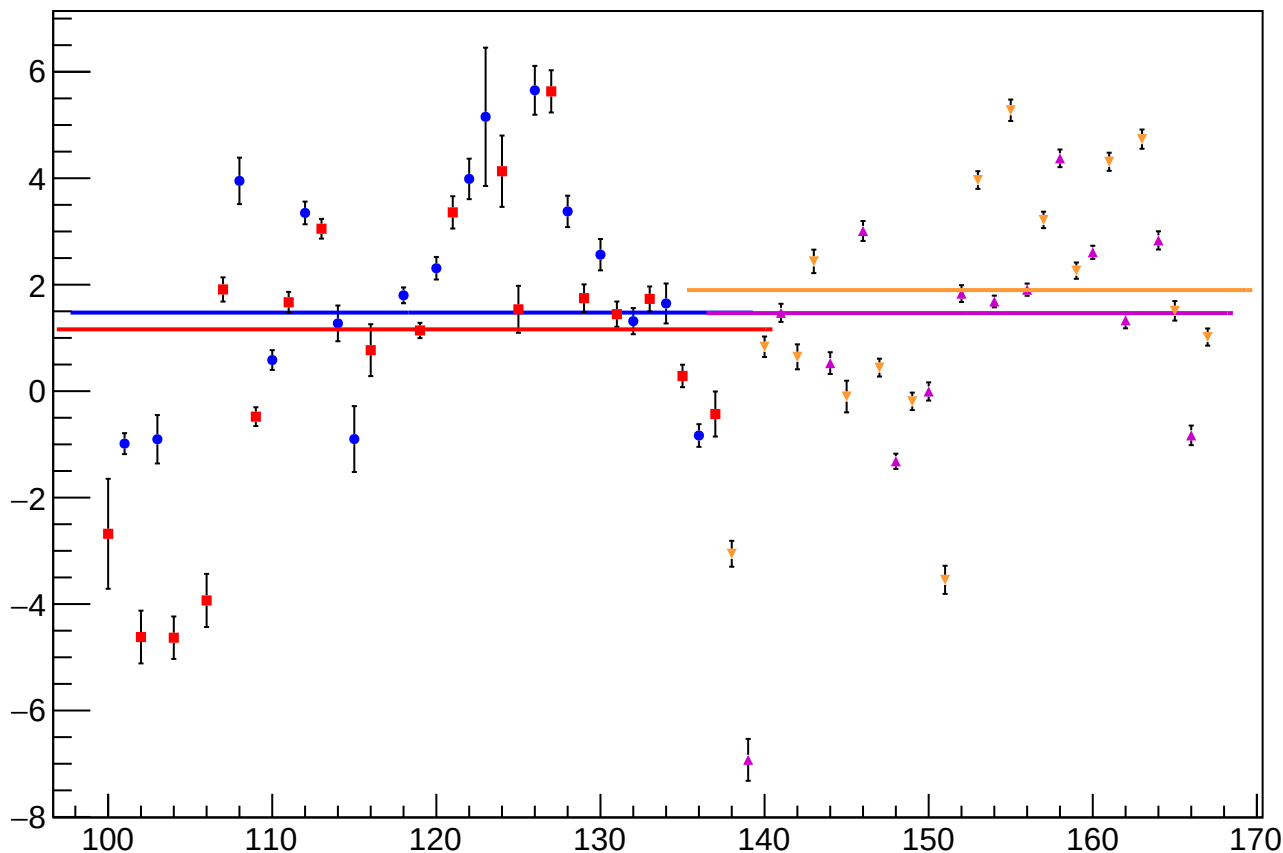
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.777+/-0.057 χ^2/NDF :36176.7/13

Out: -25.534+/-0.063 χ^2/NDF :55406.7/15

All: -22.384+/-0.042 χ^2/NDF : 96135.4/29

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: 1.467 ± 0.041 χ^2/NDF : 1633.3/13

Left: 1.657 ± 0.031 χ^2/NDF : 3864.3/29

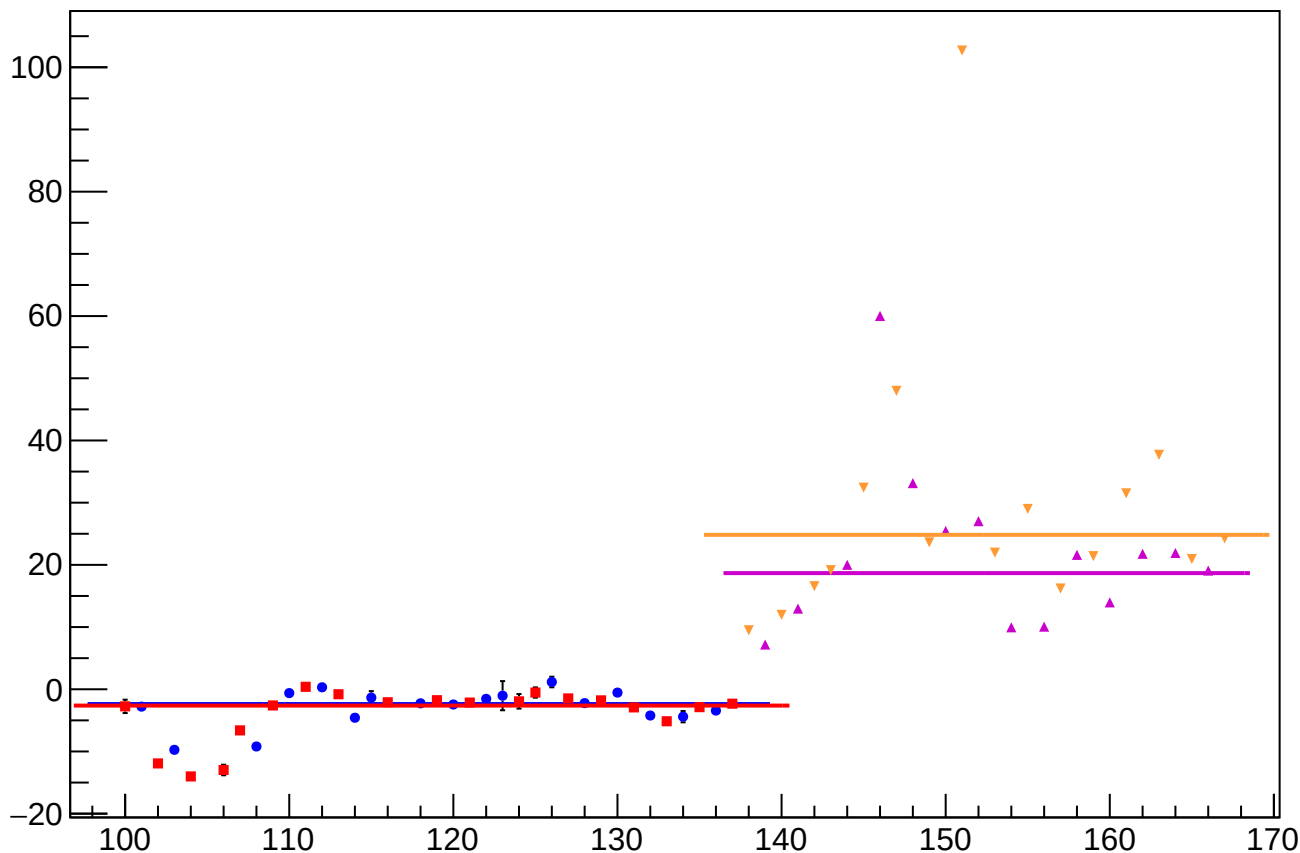
Right: 1.309 ± 0.044 χ^2/NDF : 1590.5/35

In: 1.469 ± 0.035 χ^2/NDF : 2293.0/30

Out: 1.621 ± 0.037 χ^2/NDF : 3195.1/34

All: 1.540 ± 0.025 χ^2/NDF : 5497.0/65

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: 18.677 ± 0.055 χ^2/NDF : 34217.7/13

Left: 21.405 ± 0.041 χ^2/NDF : 89315.2/29

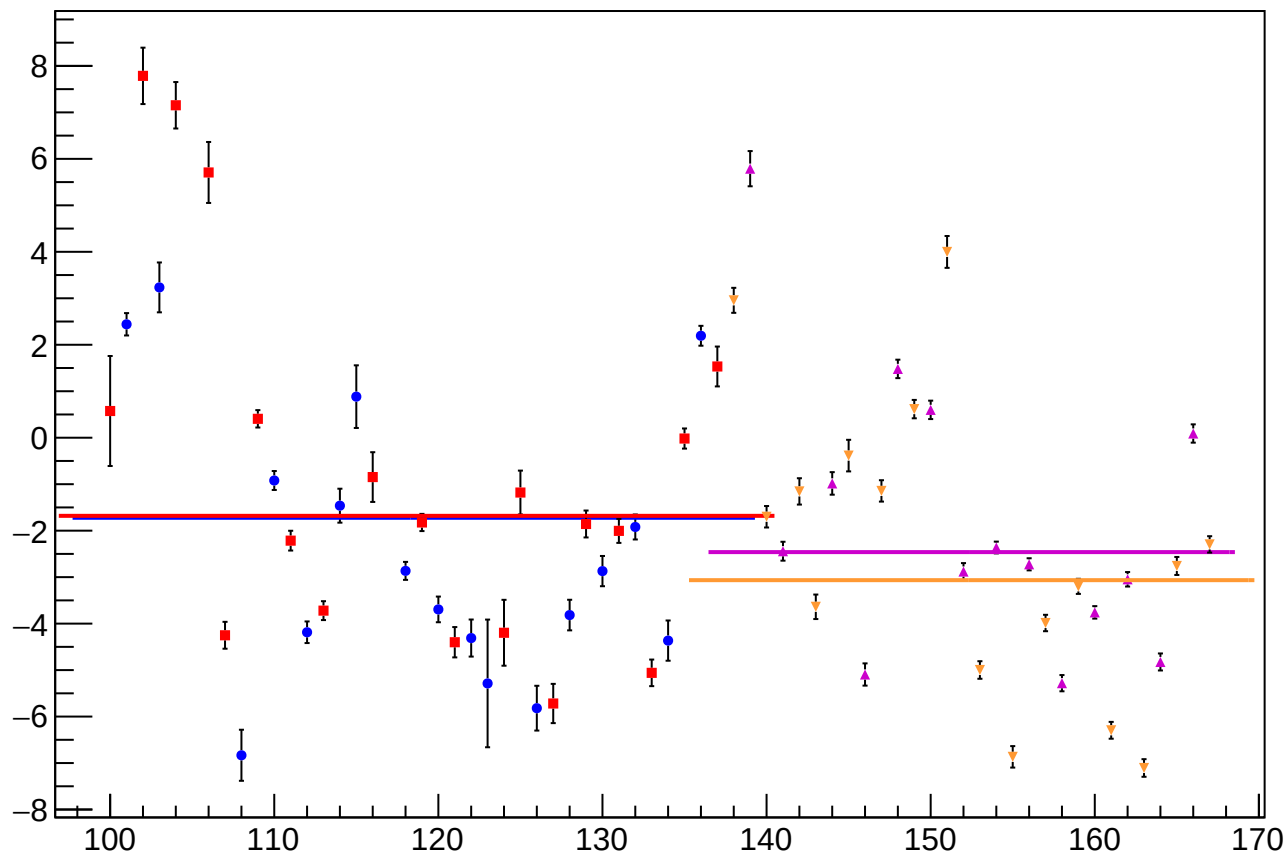
Right: -2.514 ± 0.077 χ^2/NDF : 1282.5/35

In: 14.716 ± 0.050 χ^2/NDF : 61862.3/30

Out: 17.550 ± 0.053 χ^2/NDF : 102402.3/34

All: 16.043 ± 0.036 χ^2/NDF : 165775.6/65

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: -2.461 ± 0.047 χ^2/NDF : 1978.0/13

Left: -2.727 ± 0.035 χ^2/NDF : 4736.9/29

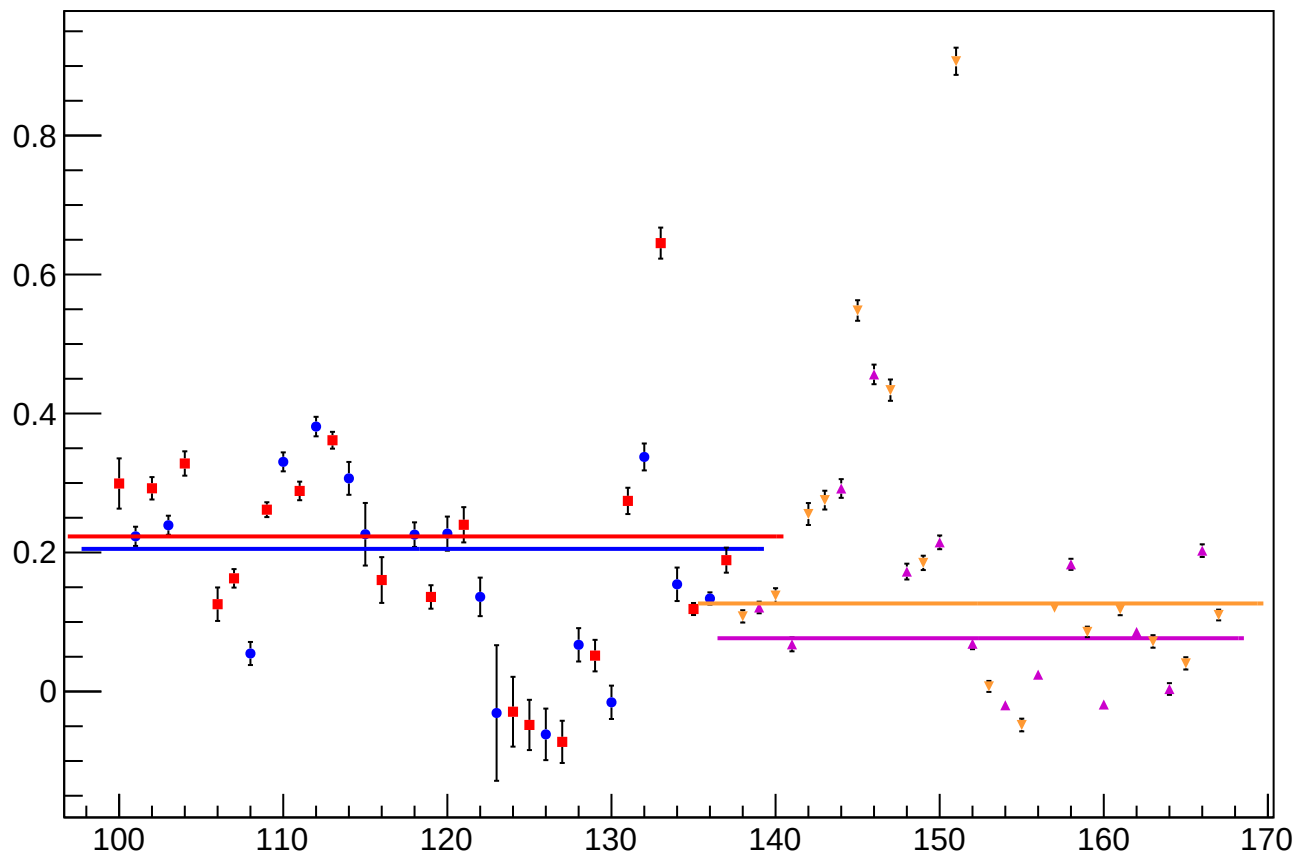
Right: -1.700 ± 0.050 χ^2/NDF : 2678.8/35

In: -2.245 ± 0.040 χ^2/NDF : 3298.0/30

Out: -2.540 ± 0.042 χ^2/NDF : 4375.1/34

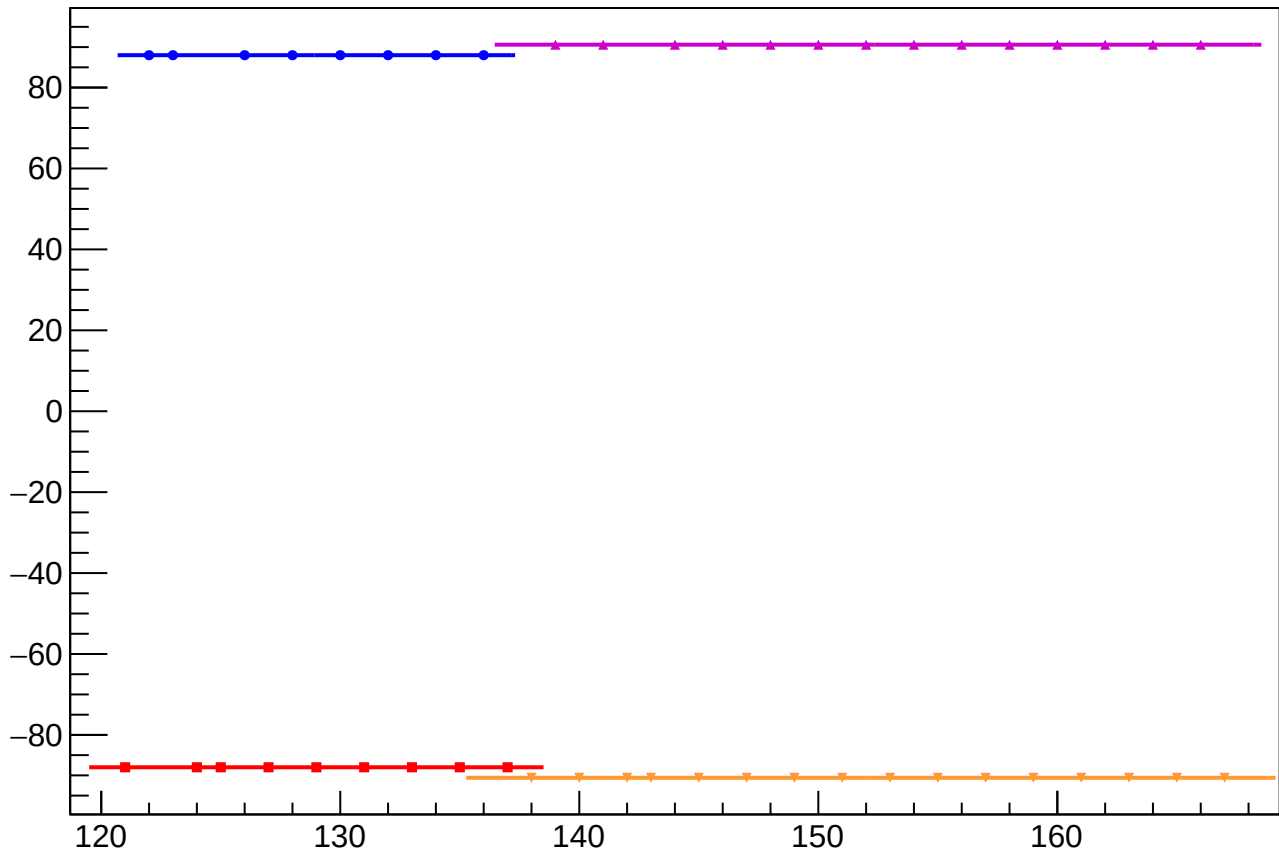
All: -2.384 ± 0.029 χ^2/NDF : 7699.3/65

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.098 +/- 0.002 χ^2/NDF : 6436.4/29
 Right: 0.215 +/- 0.003 χ^2/NDF : 1700.9/35
 In: 0.101 +/- 0.002 χ^2/NDF : 3783.7/30
 Out: 0.154 +/- 0.002 χ^2/NDF : 5280.4/34
 All: 0.125 +/- 0.001 χ^2/NDF : 9425.1/65

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 : 4942283.0/13

Left: -4.263+/-0.000 χ^2/NDF : 19320349289316445

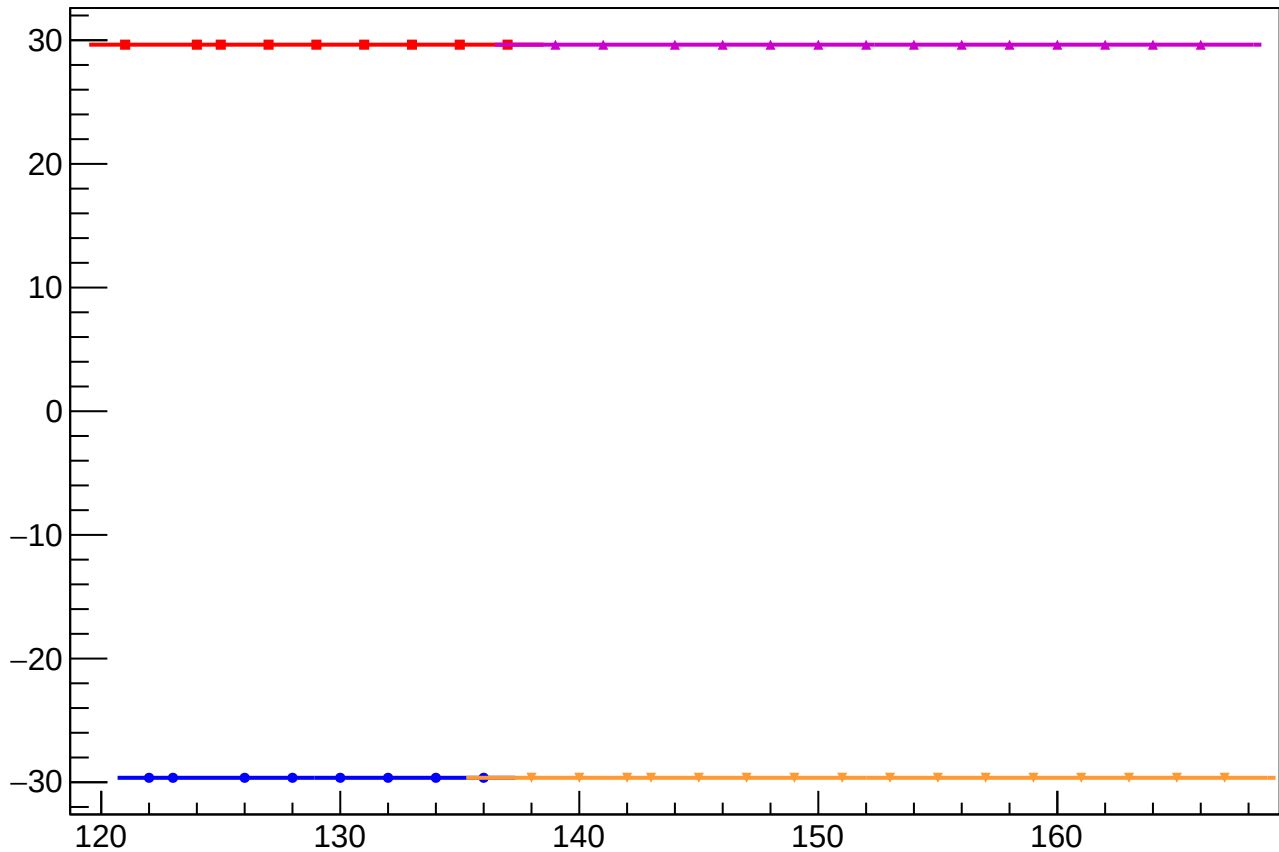
Right: 3.062+/-0.000 χ^2/NDF : 51126681569224617

In: 89.993+/-0.000 χ^2/NDF : 177066020237478486

Out: -90.066+/-0.000 χ^2/NDF : 1711919761916520

All: -2.660+/-0.000 χ^2/NDF : 2446072186998

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 222383.0/15

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: 29.641+/-0.000 χ^2/NDF : 172236.7/13

Left: -1.395+/-0.000 χ^2/NDF : 20679608970591696

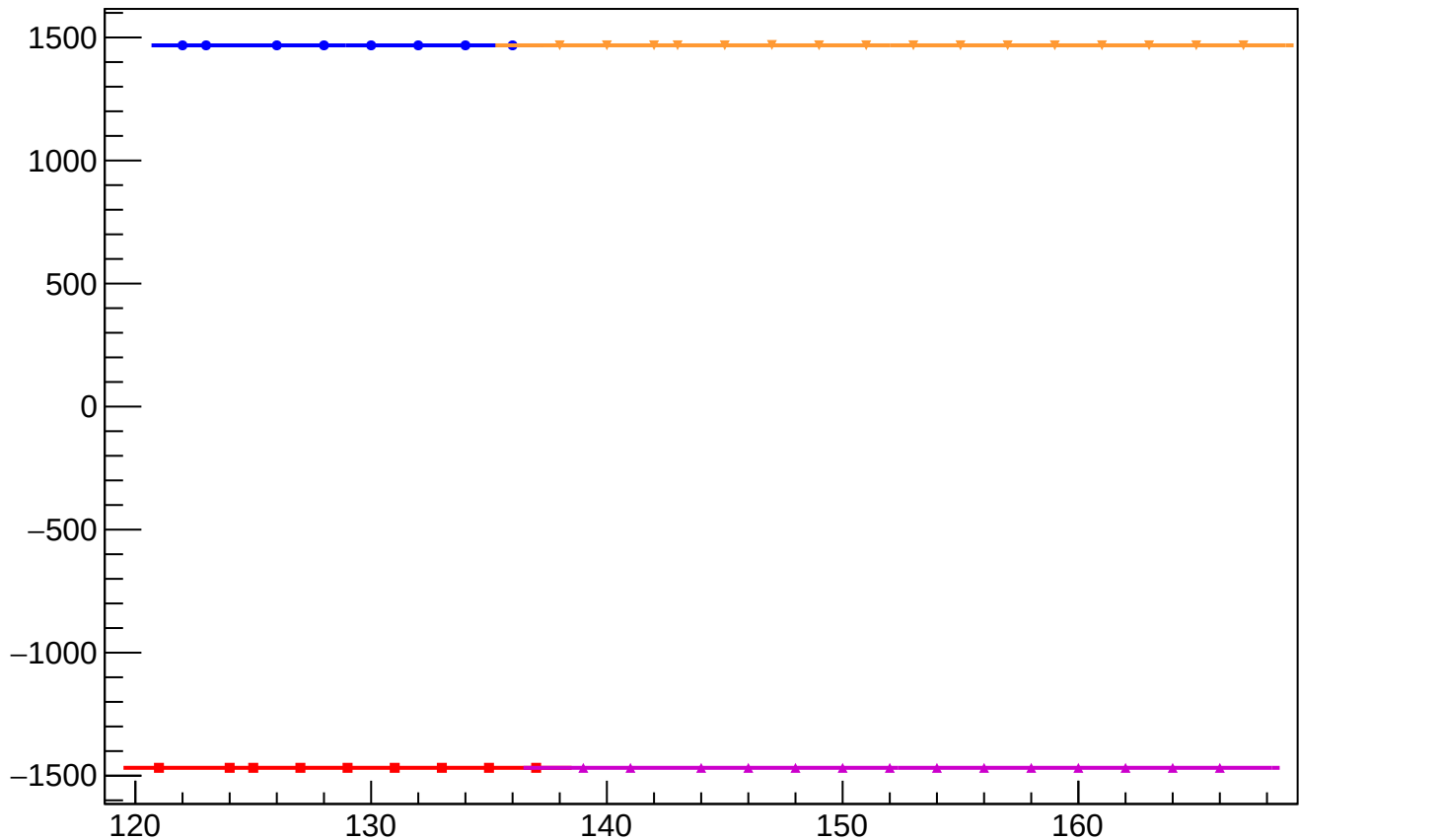
Right: -1.031+/-0.000 χ^2/NDF : 5800324943766944

In: 15.811+/-0.000 χ^2/NDF : 921500216296846635

Out: -17.472+/-0.000 χ^2/NDF : 8909300772520607

All: -1.315+/-0.000 χ^2/NDF : 2648061553671

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000

χ^2/NDF : 436234375.5/7

Left: 69.119+/-0.000

χ^2/NDF : 50726698130489912

Right: 51.079+/-0.000

χ^2/NDF : 1422706063207371

Left Out: 1468.074+/-0.000

χ^2/NDF : 125470203394978018145790261723136.0/15

In: -783.064+/-0.000

χ^2/NDF : 2260276412916210

Right Out: -1467.979+/-0.000

χ^2/NDF : 83183350.3/8

Out: 865.371+/-0.000

χ^2/NDF : 2185418694096636

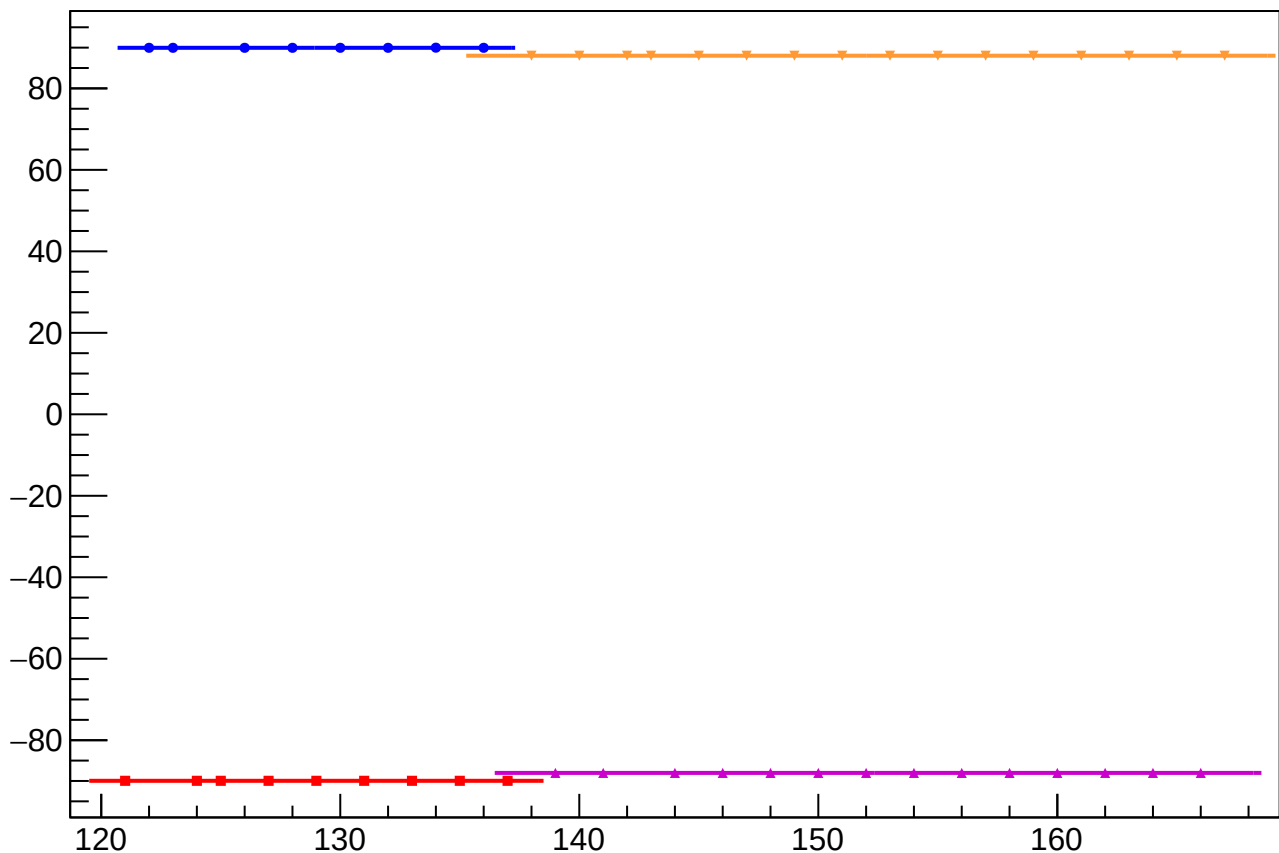
Left In: -1467.990+/-0.000

χ^2/NDF : 111283985742084336775271022592.0/13

All: 65.170+/-0.000

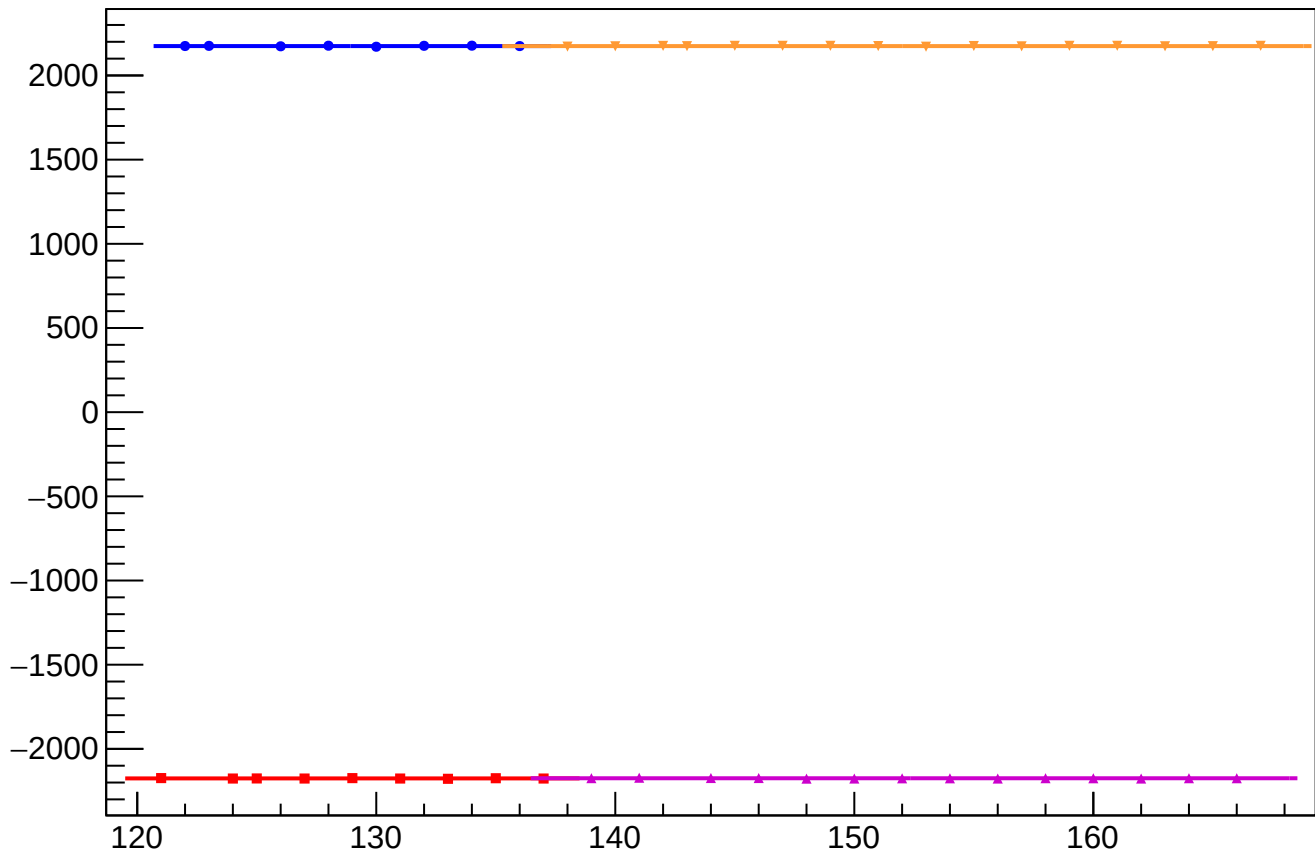
χ^2/NDF : 6495543894191

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 : 4522432.3/13
 Left: 4.142+/-0.000 χ^2/NDF : 182362268590227994
 Right: 3.131+/-0.000 χ^2/NDF : 53429021948733419
 In: -46.500+/-0.000 χ^2/NDF : 83063601329060318
 Out: 51.486+/-0.000 χ^2/NDF : 80306191678159430
 All: 3.921+/-0.000 χ^2/NDF : 23579656235361

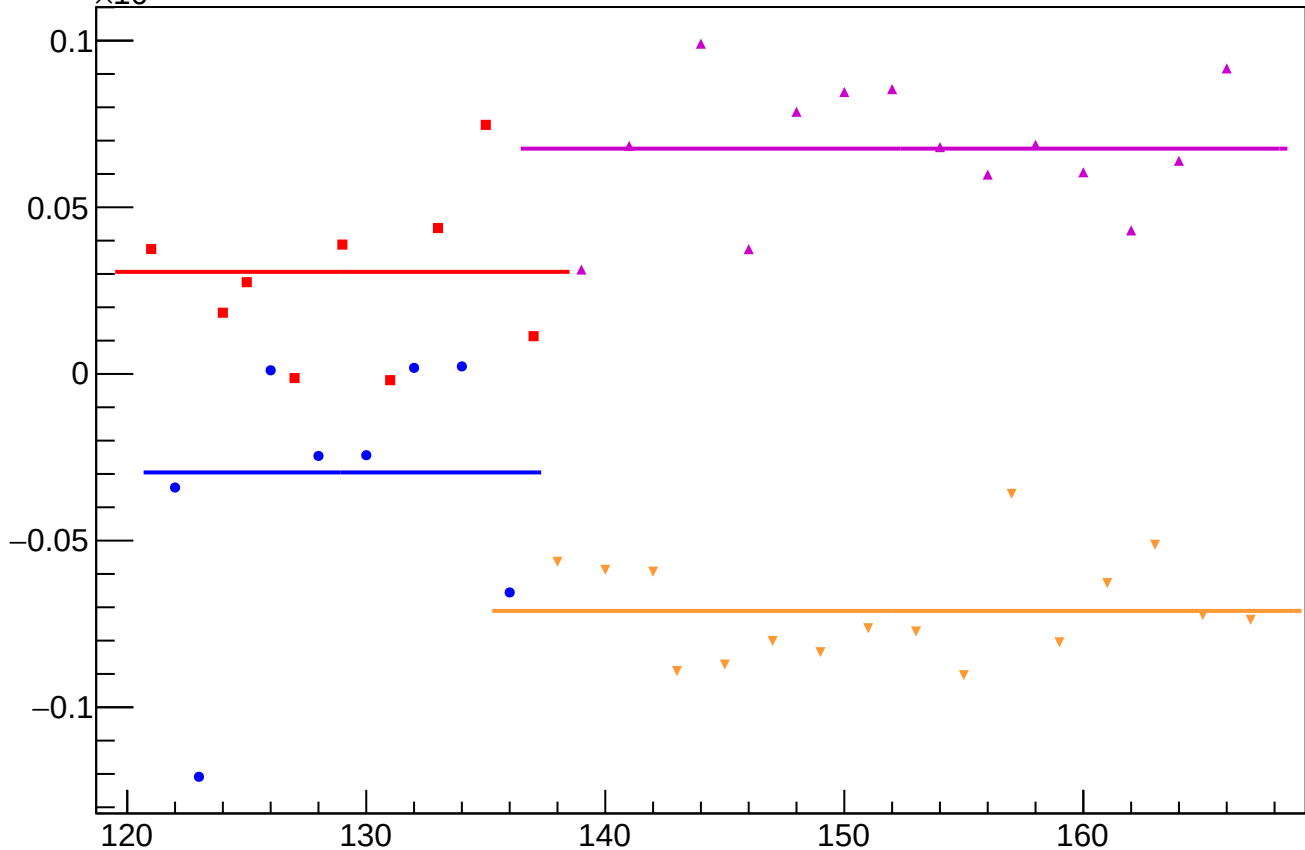
HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7
 Left Out: 2174.489 $\pm$ 0.000 χ^2 /NDF: 3742978148608182286926575996764160.0/15
 Right Out: -2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8
 Left In: -2174.572 $\pm$ 0.000 χ^2 /NDF: 2408987909442573848667115768250368.0/13
 All: 96.362 $\pm$ 0.000 χ^2 /NDF: 1425359377526

HALLA_dpp_mean vs Slug, Sign Corrected

$\times 10^{-3}$



Right In: -0.000+/-0.000

χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000+/-0.000

χ^2/NDF : 277553341491660030214144.0/15

Right Out: 0.000+/-0.000

χ^2/NDF : 196732771178766734983168.0/8

Left In: 0.000+/-0.000

χ^2/NDF : 413512722798975721144320.0/13

Left: -0.000+/-0.000

χ^2/NDF : 12009240180565195

Right: -0.000+/-0.000

χ^2/NDF : 1044577663810456

In: 0.000+/-0.000

χ^2/NDF : 3138139836542751246

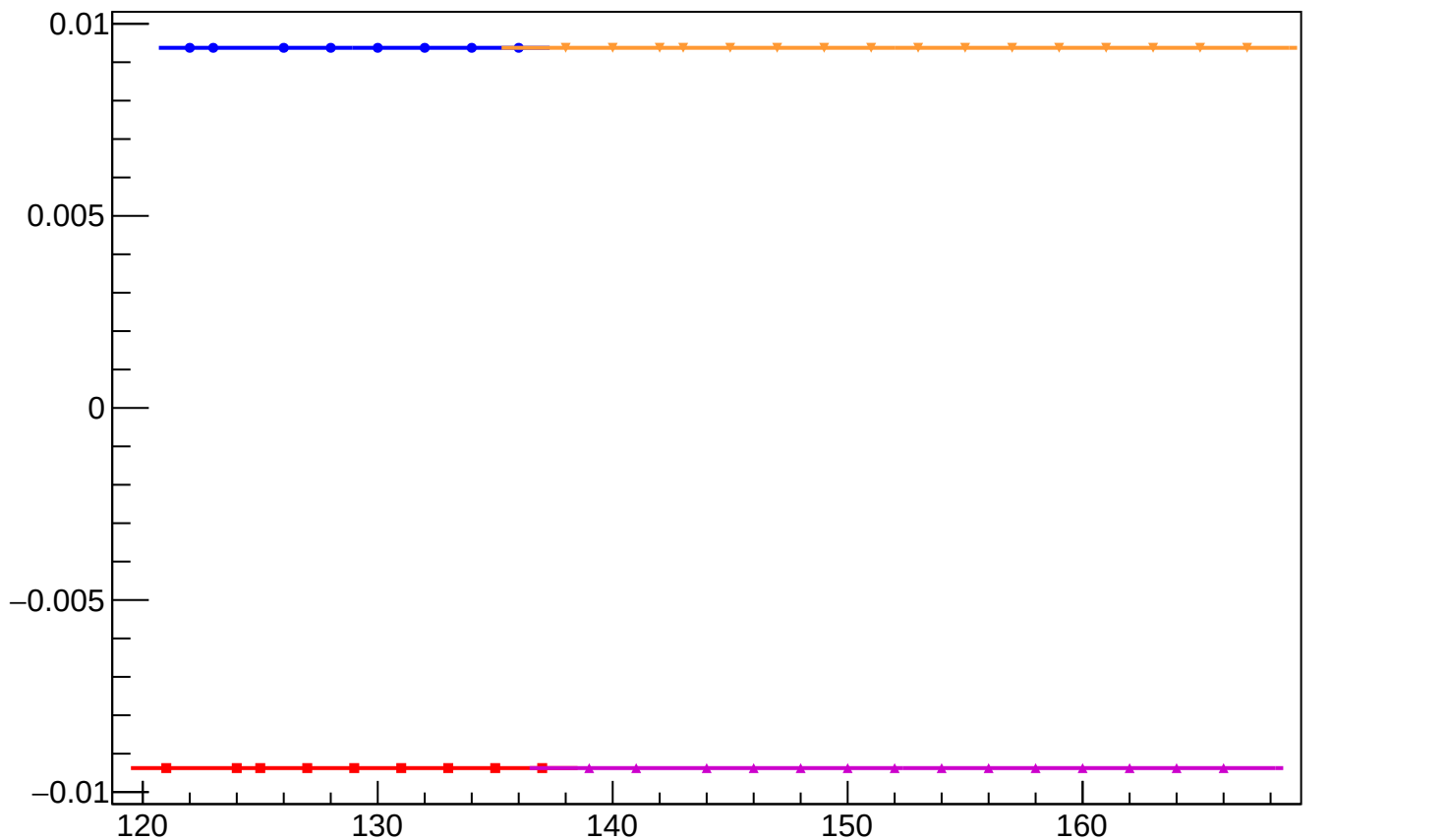
Out: -0.000+/-0.000

χ^2/NDF : 30974429606717638

All: -0.000+/-0.000

χ^2/NDF : 1306429534775

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/15

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/13

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 206874933764306413

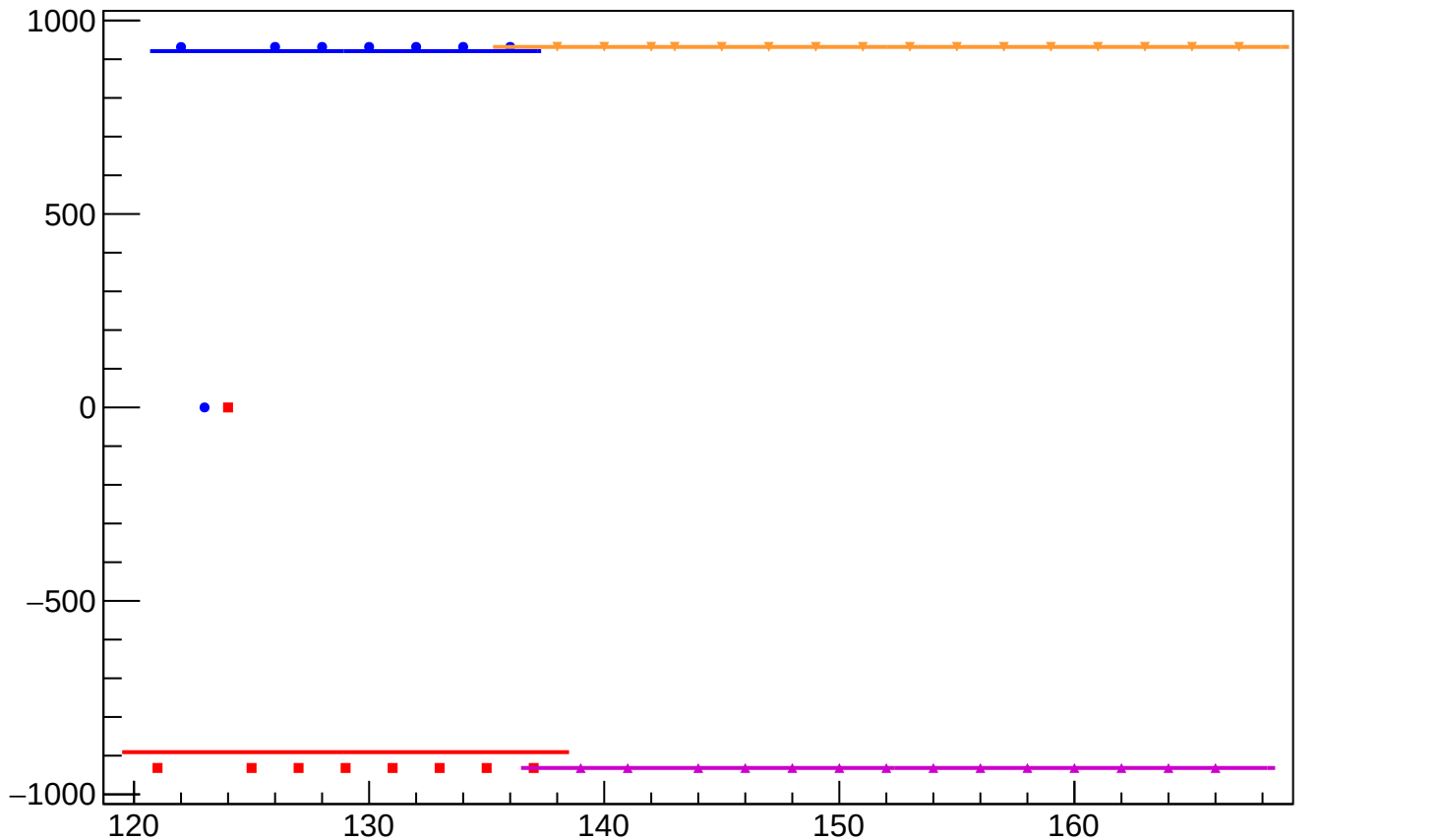
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.005 $\pm$ 0.000 χ^2 /NDF: 921851551841744028

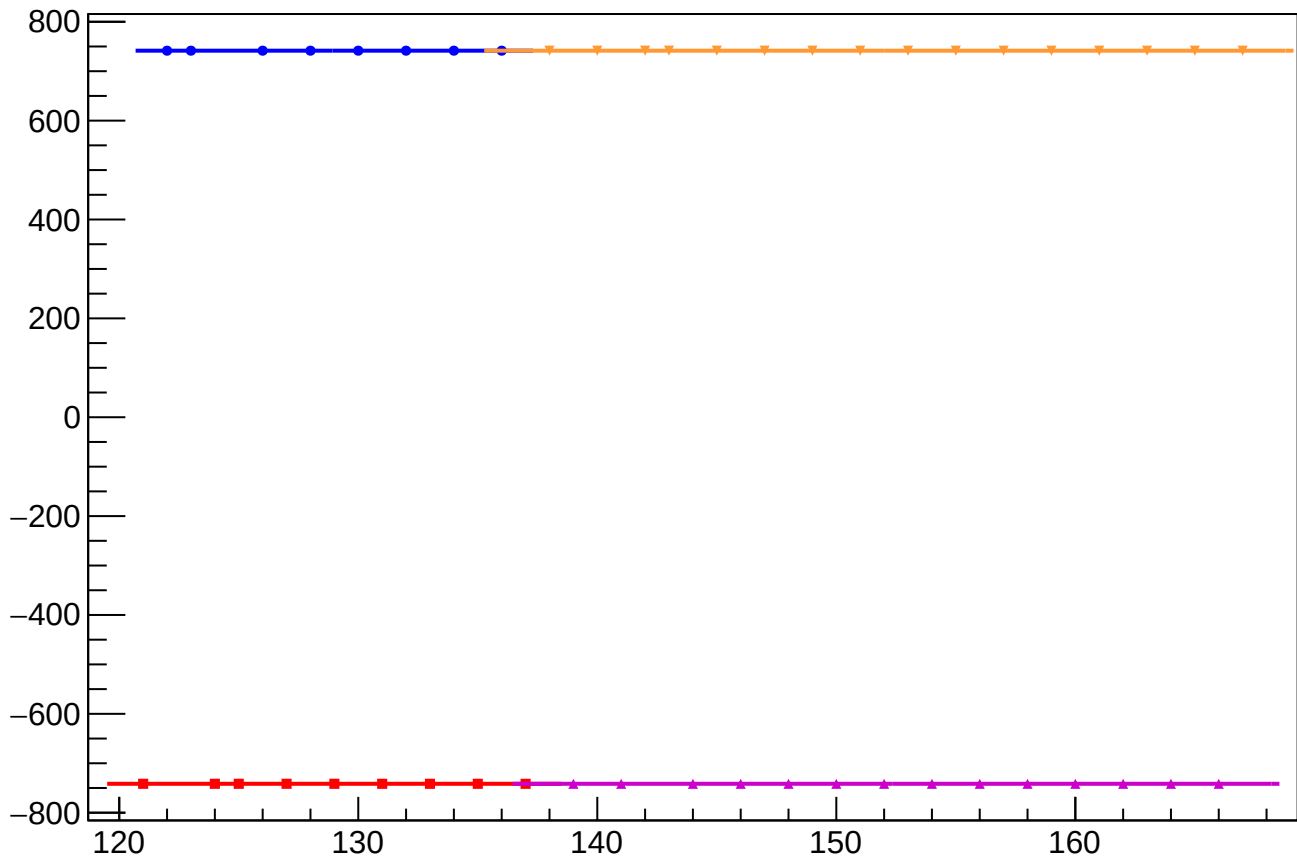
Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 891269757480693003

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 26490711661837

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected

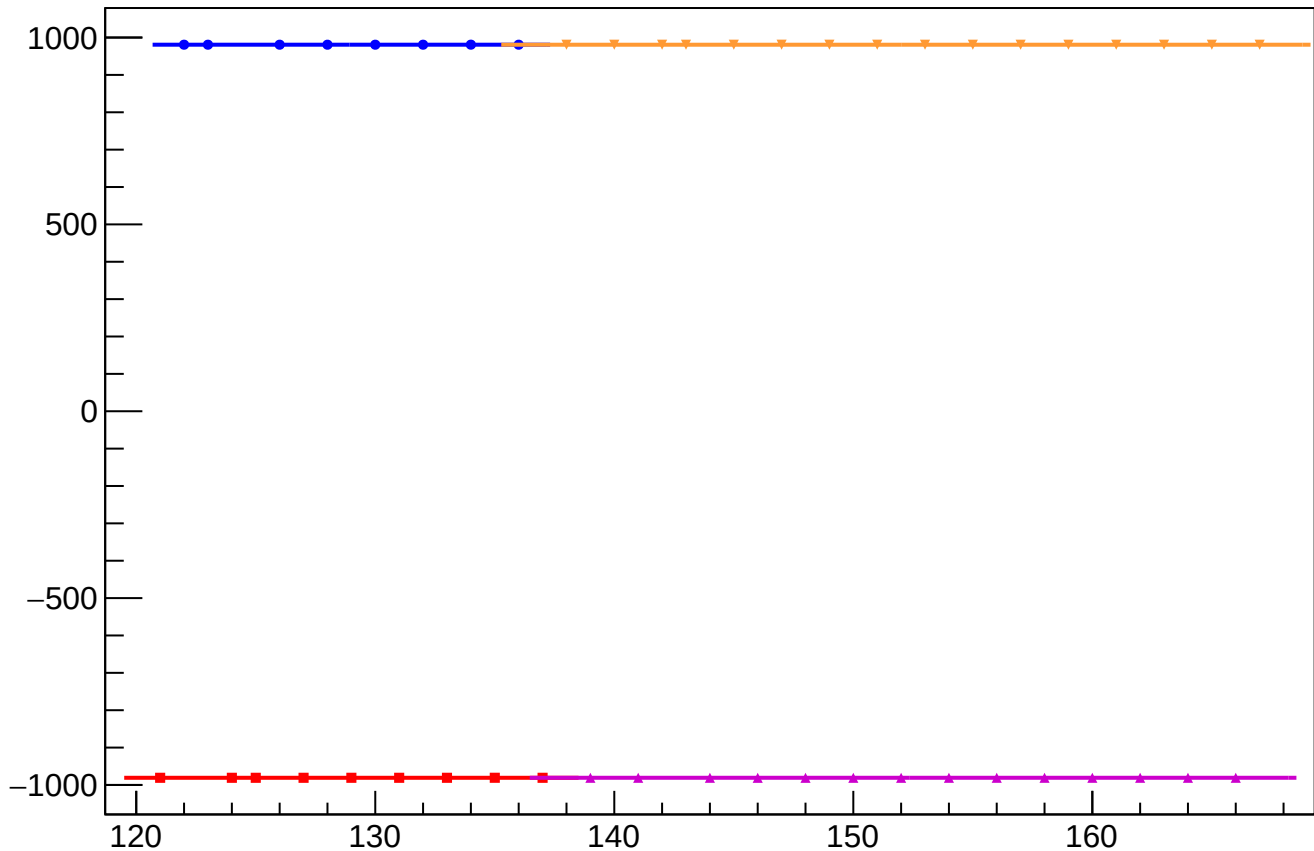


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



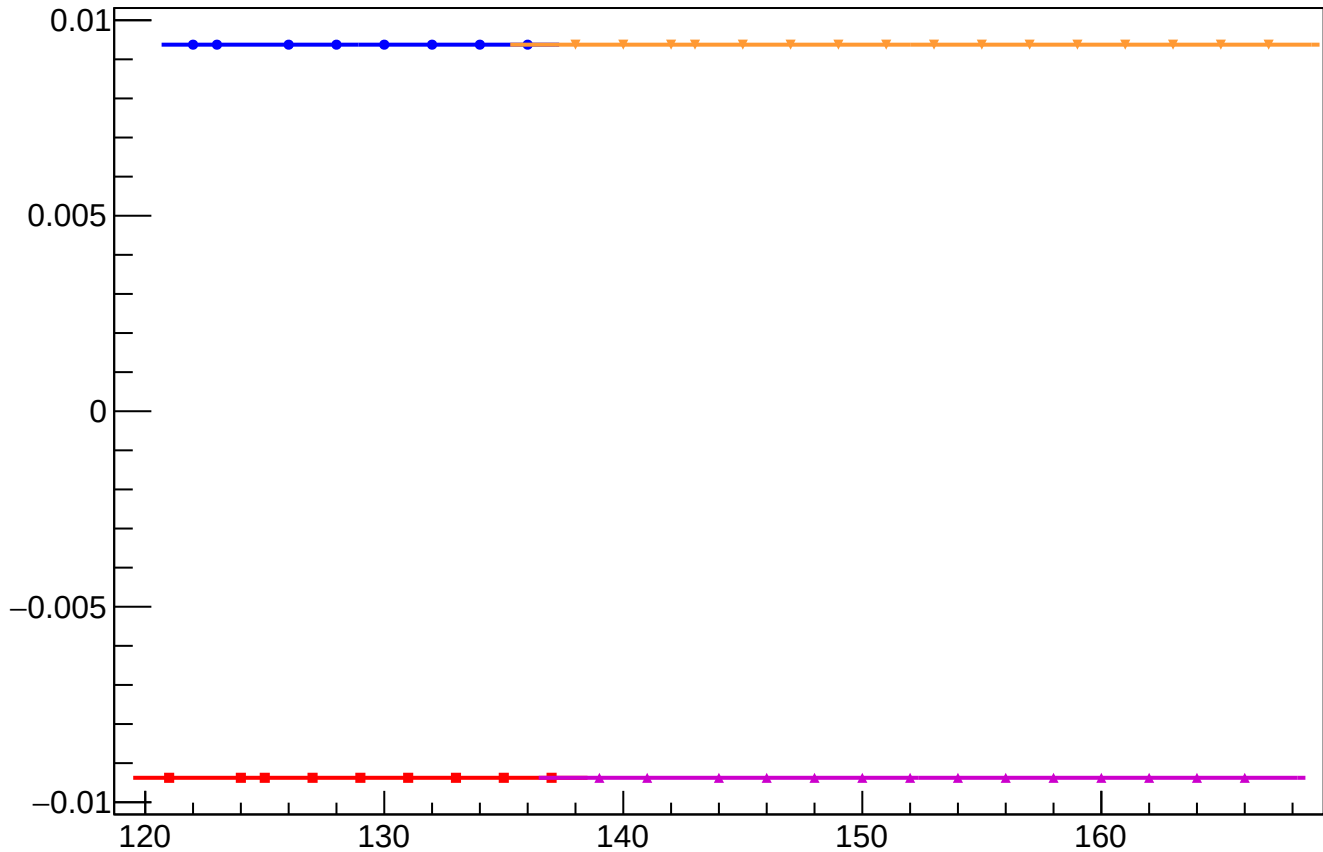
Right In: 741.528+/-0.000	χ^2/NDF : 18896144326732419810052800512.0/7	Left: 34.891+/-0.000	χ^2/NDF : 12942117302601098
Left Out: 741.515+/-0.000	χ^2/NDF : 161218452380940323567437873152.0/15	Right: 25.802+/-0.000	χ^2/NDF : 3630199450079866
Right Out: -741.529+/-0.000	χ^2/NDF : 16580353917842624420385914880.0/8	In: -395.540+/-0.000	χ^2/NDF : 5767212252063966
Left In: -741.515+/-0.000	χ^2/NDF : 130218875183961132568250679296.0/13	Out: 437.081+/-0.000	χ^2/NDF : 5575891304136948
		All: 32.901+/-0.000	χ^2/NDF : 1657274331146

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000	χ^2/NDF : 159345321268745350954763681792.0/7	Left: 46.144+/-0.000	χ^2/NDF : 22641462610957290
Left Out: 980.770+/-0.000	χ^2/NDF : 600390519486627365971103318016.0/15	Right: 34.132+/-0.000	χ^2/NDF : 6351195317188543
Right Out: -980.818+/-0.000	χ^2/NDF : 143689912167528137563261894656.0/8	In: -523.162+/-0.000	χ^2/NDF : 1008978616317624
Left In: -980.781+/-0.000	χ^2/NDF : 1193336000100941127090083725312.0/13	Out: 578.102+/-0.000	χ^2/NDF : 9754890557764843
	All: 43.515+/-0.000		χ^2/NDF : 2899340293090

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.0/13

Left: 0.000+/-0.000 χ^2/NDF : 206874933764306413

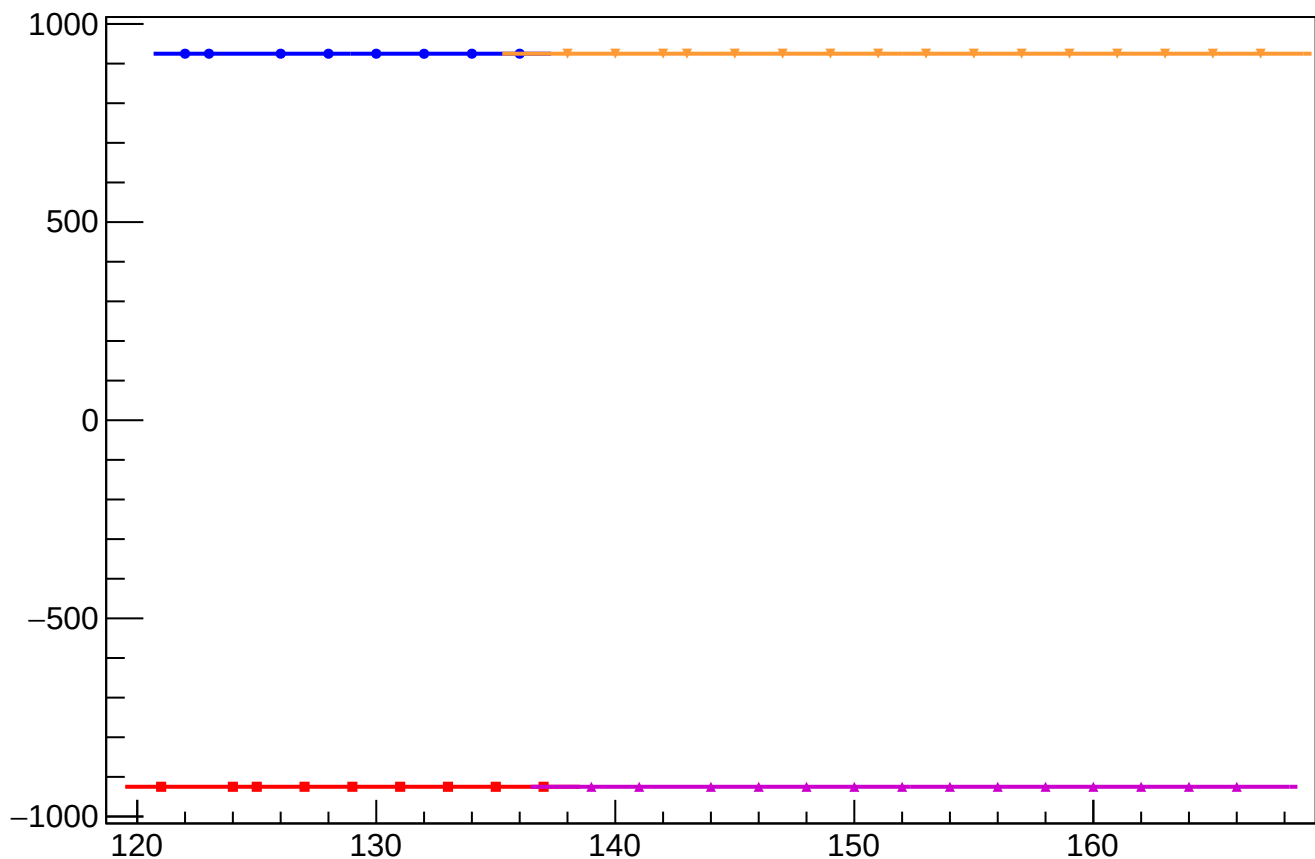
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 921851551841744028

Out: 0.006+/-0.000 χ^2/NDF : 891269757480693003

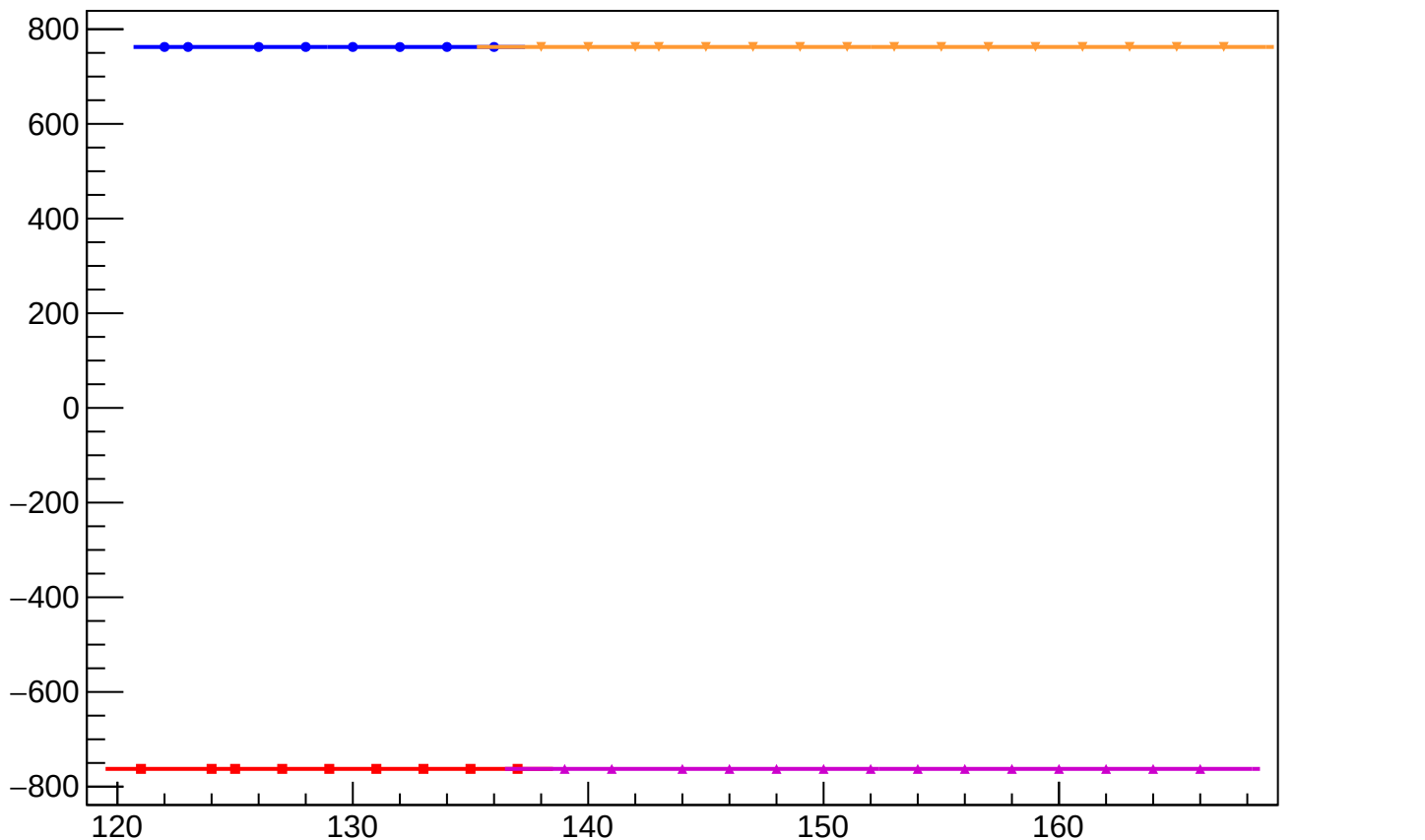
All: 0.000+/-0.000 χ^2/NDF : 26490711661837

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



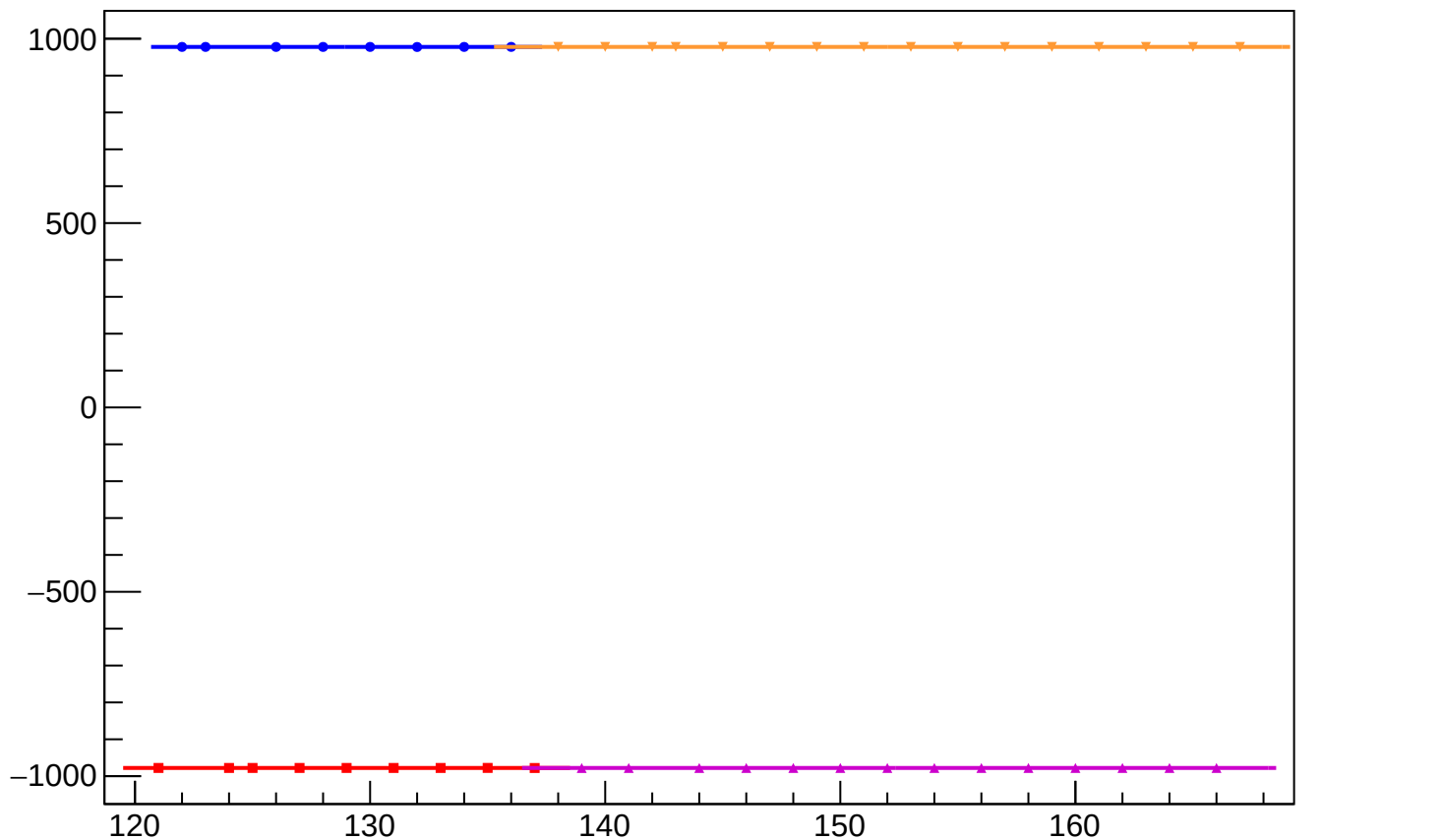
Right In: 924.939+/-0.000	χ^2/NDF : 1401458495809517406218388242432.0/7	Left: 43.522+/-0.000	χ^2/NDF : 20138942628416250
Left Out: 924.985+/-0.000	χ^2/NDF : 801076965940092187828589428736.0/15	Right: 32.175+/-0.000	χ^2/NDF : 5648201825061875
Right Out: -924.957+/-0.000	χ^2/NDF : 71808709366506786060310151168.0/8	In: -493.423+/-0.000	χ^2/NDF : 8973630846269603
Left In: -924.989+/-0.000	χ^2/NDF : 633840651222450262886919962624.0/13	Out: 545.235+/-0.000	χ^2/NDF : 8676070807099875
		All: 41.039+/-0.000	χ^2/NDF : 2578780925000

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



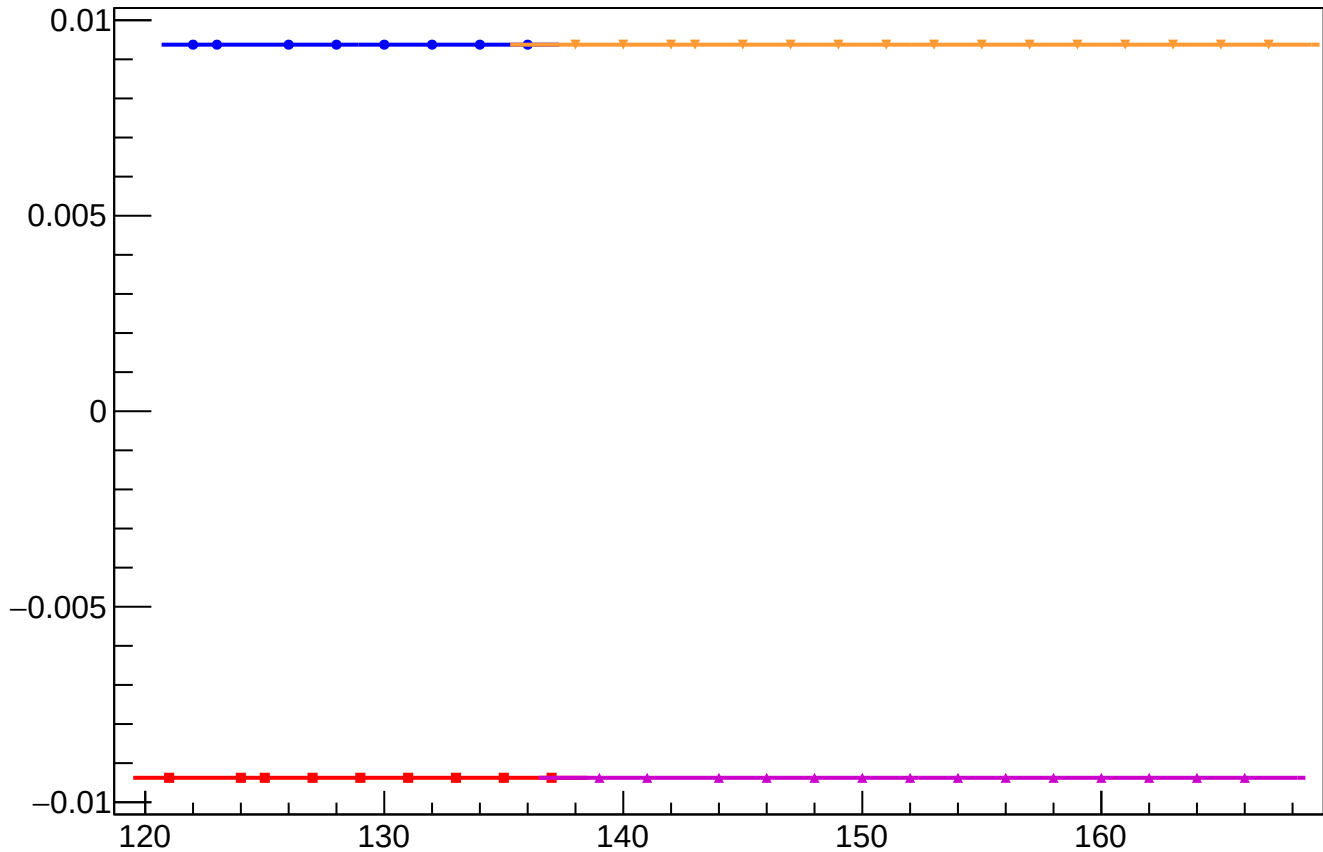
Right In: 762.484+/-0.000	χ^2/NDF : 784430761251084401798891438080.0/7	Left: 35.879+/-0.000	χ^2/NDF : 13685308421777103
Left Out: 762.509+/-0.000	χ^2/NDF : 37625471884585888797694984192.0/15	Right: 26.523+/-0.000	χ^2/NDF : 3838365691051738
Right Out: -762.501+/-0.000	χ^2/NDF : 469794702848036819563446272.0/8	In: -406.746+/-0.000	χ^2/NDF : 6098083889447641
Left In: -762.508+/-0.000	χ^2/NDF : 271193411686777871805072801792.0/13	Out: 449.460+/-0.000	χ^2/NDF : 5895925120207969
	All: 33.831+/-0.000		χ^2/NDF : 1752412612973

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 46.008 +/- 0.000 χ^2/NDF : 22501553558301975
 Right: 34.023 +/- 0.000 χ^2/NDF : 6311333196839596
 In: -521.549 +/- 0.000 χ^2/NDF : 1002686394409820
 Out: 576.328 +/- 0.000 χ^2/NDF : 9694220772564166
 All: 43.385 +/- 0.000 χ^2/NDF : 2881362838252

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.0/13

Left: 0.000+/-0.000 χ^2/NDF : 206874933764306413

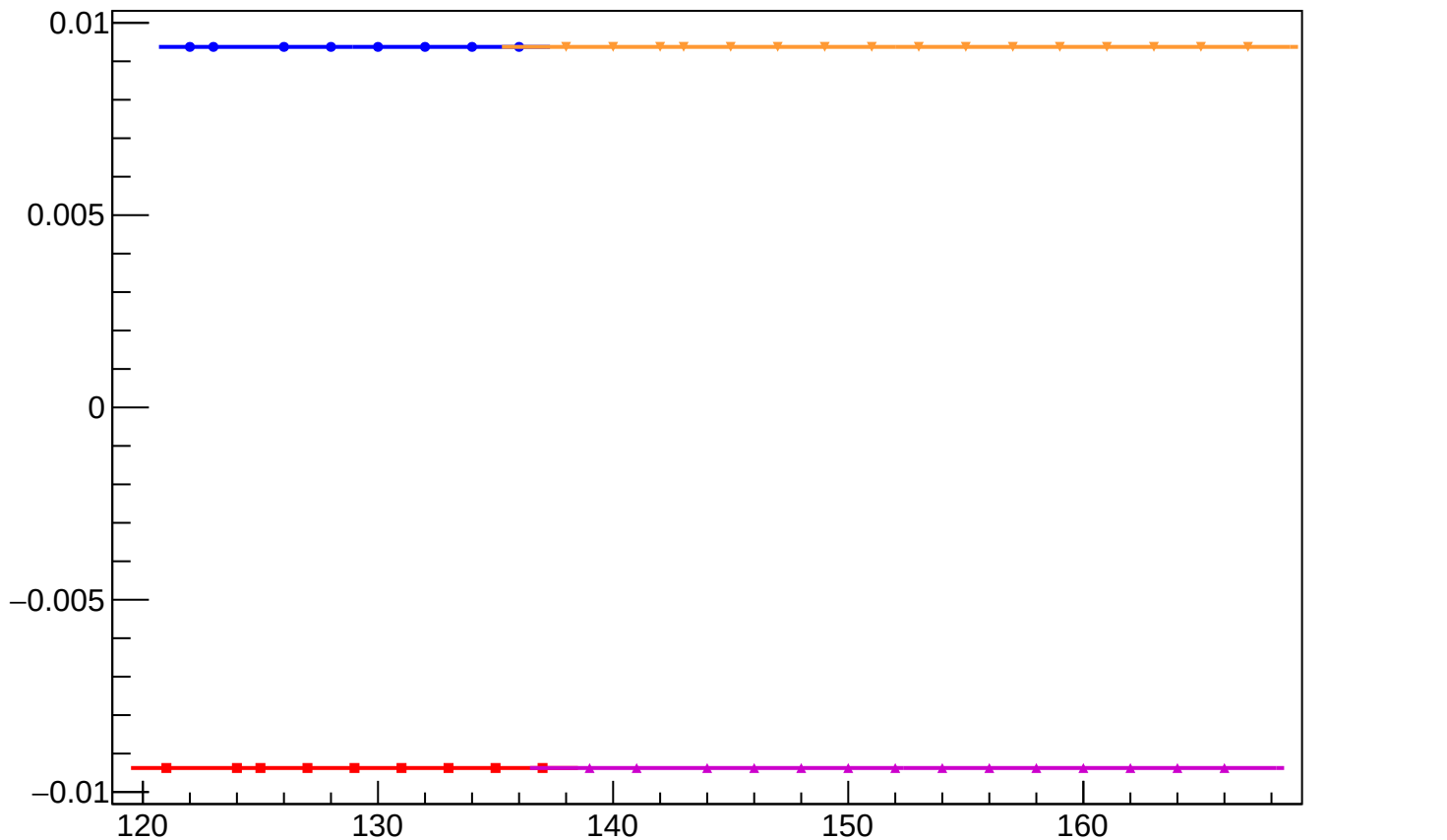
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 921851551841744028

Out: 0.006+/-0.000 χ^2/NDF : 891269757480693003

All: 0.000+/-0.000 χ^2/NDF : 26490711661837

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:0.0/13

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 206874933764306413

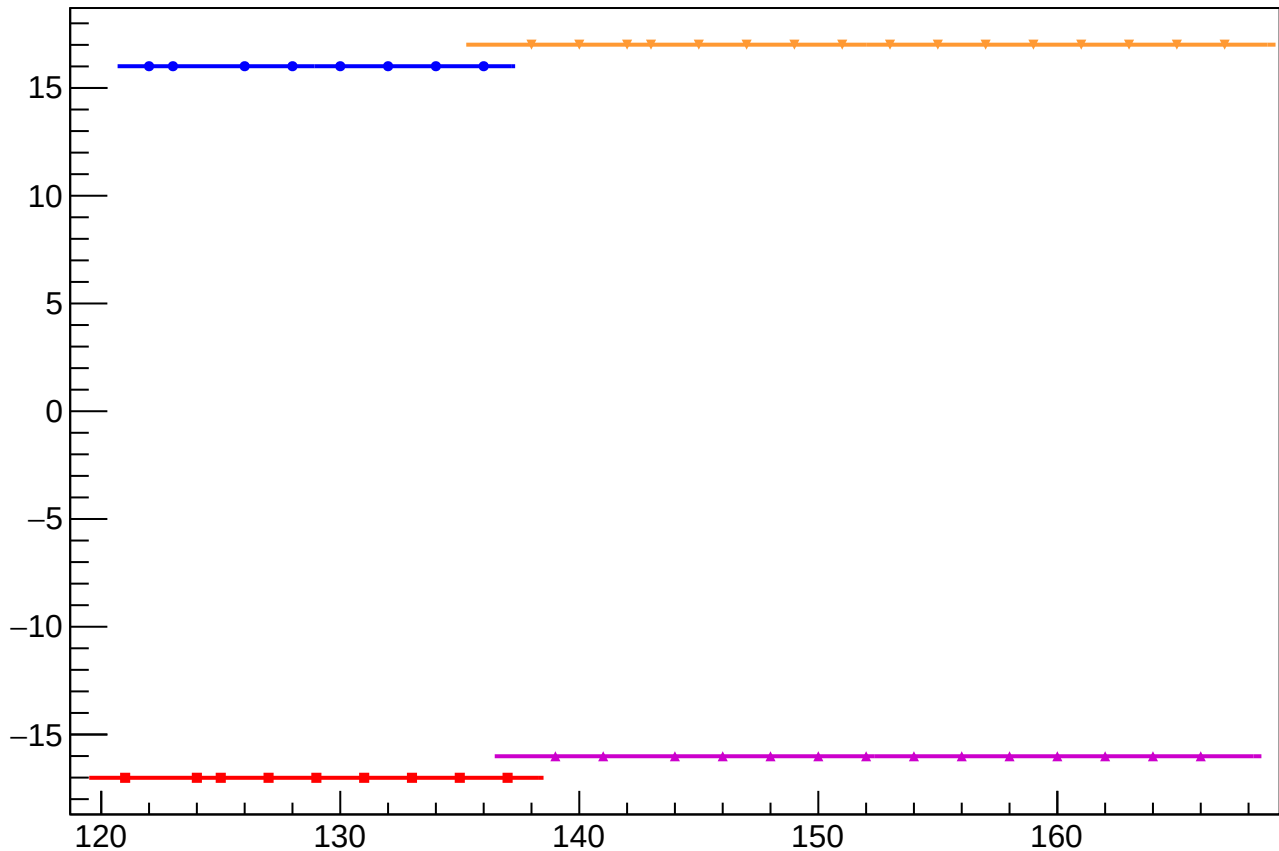
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.005 $\pm$ 0.000 χ^2 /NDF:921851551841744028

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:891269757480693003

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 26490711661837

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 : 52847.4/13

Left: 1.136+/-0.000 χ^2/NDF : 593292129055370275

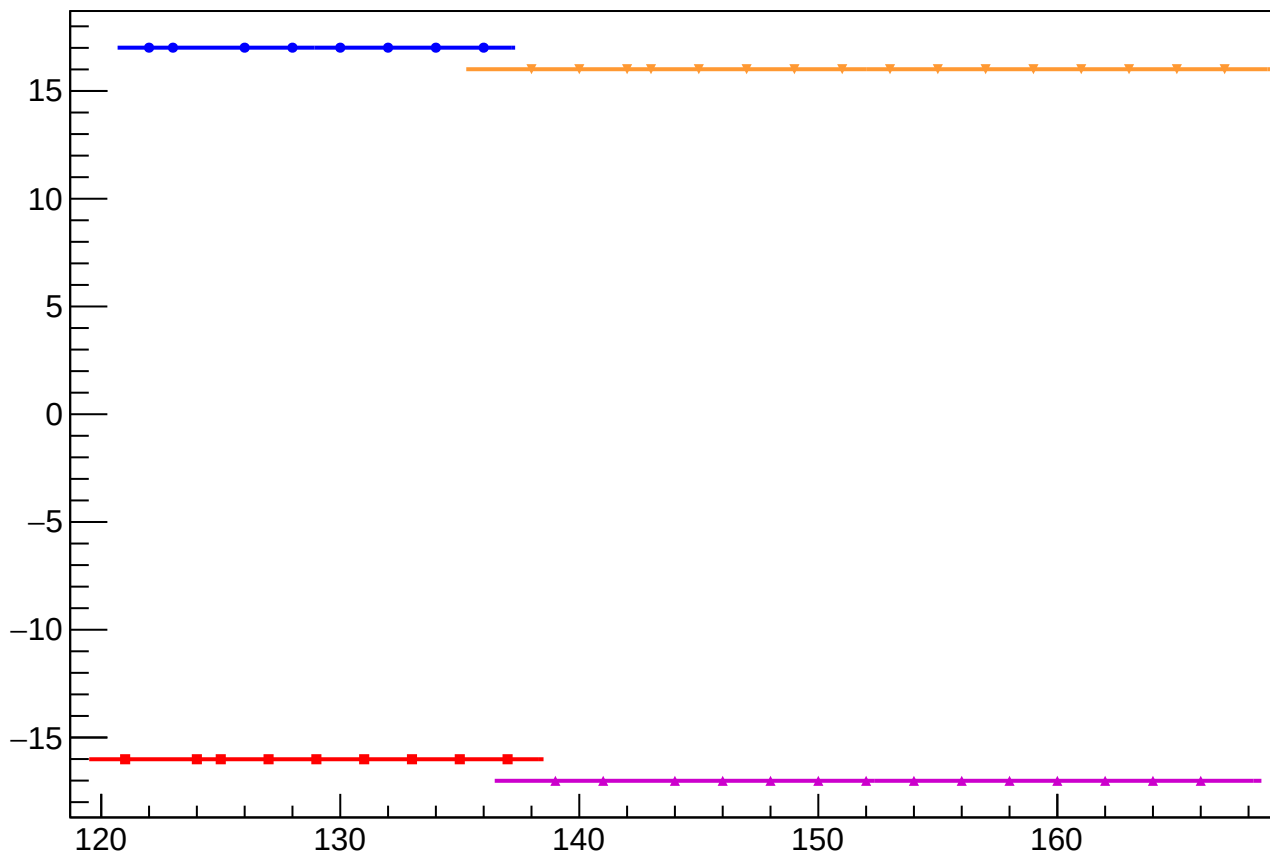
Right: -0.126+/-0.000 χ^2/NDF : 1683539334964133

In: -8.592+/-0.000 χ^2/NDF : 248910227291972535

Out: 9.845+/-0.000 χ^2/NDF : 275888575119244193

All: 0.857+/-0.000 χ^2/NDF : 76241292215202

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009 ± 0.000 $\chi^2/\text{NDF}: 76109.3/7$

Left Out: 16.009 ± 0.000 $\chi^2/\text{NDF}: 50007.5/15$

Right Out: -16.009 ± 0.000 $\chi^2/\text{NDF}: 17859.8/8$

Left In: -17.009 ± 0.000 $\chi^2/\text{NDF}: 35391.5/13$

Left: 0.371 ± 0.000 $\chi^2/\text{NDF}: 633567102372104049$

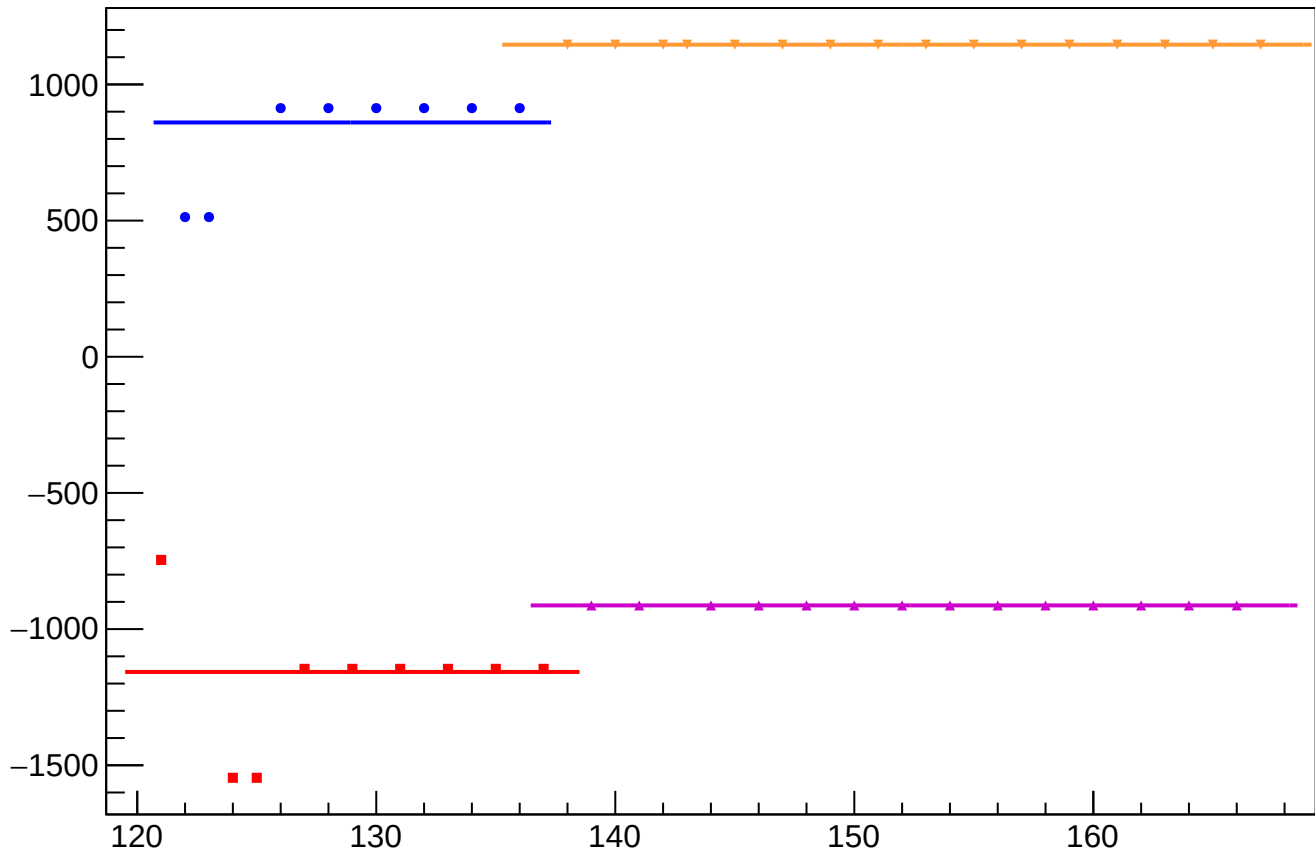
Right: 1.074 ± 0.000 $\chi^2/\text{NDF}: 17994367493156690$

In: -8.963 ± 0.000 $\chi^2/\text{NDF}: 302178520012966427$

Out: 9.403 ± 0.000 $\chi^2/\text{NDF}: 259558049939284179$

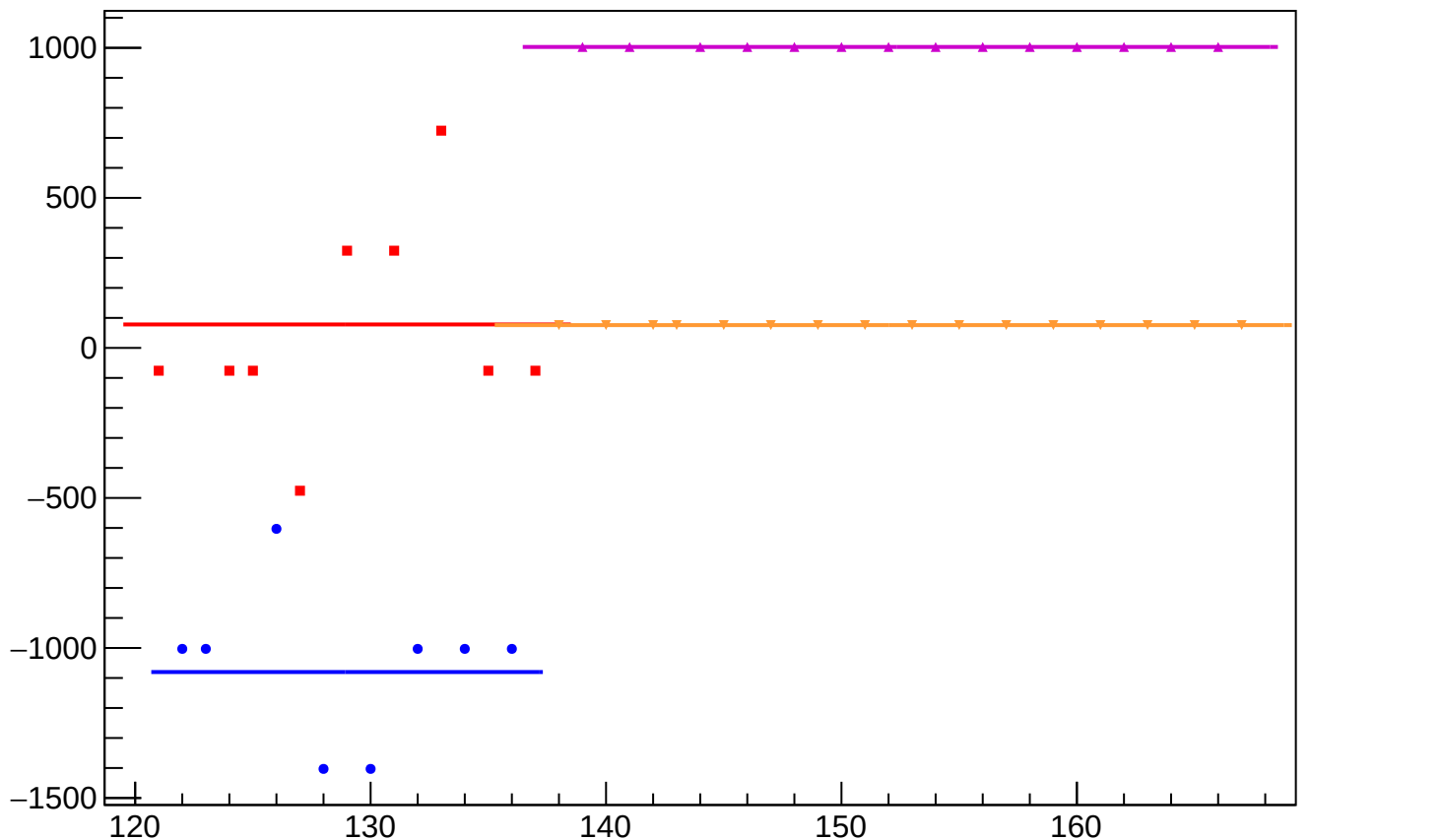
All: 0.527 ± 0.000 $\chi^2/\text{NDF}: 81376550130482$

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: -912.994+/-0.000 χ^2/NDF : 18026753087333076722211880960.0/13
 All: 104.034+/-0.000 χ^2/NDF : 322674569907

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 : 1826673319341216381683105792.0/13

All: 290.320+/-0.000

χ^2/NDF : 13455720775