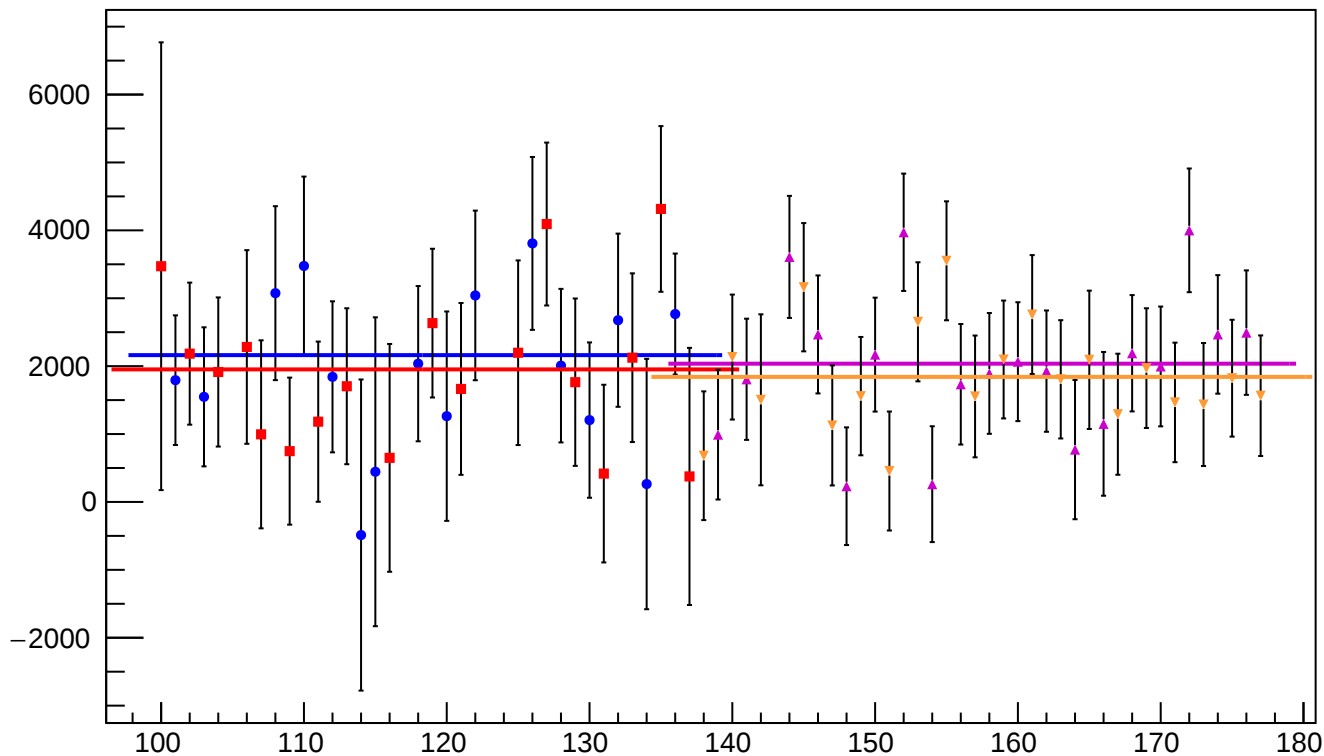


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

Left Out: 1841.670+/-202.537

Right Out: 1952.148+/-300.581

Left In: 2036.228+/-205.550

χ^2/NDF : 8.9/15

χ^2/NDF :13.8/19

χ^2/NDF : 12.6/17

χ^2/NDF :25.8/18

Left: 1937.513+/-144.269

Right: 2054.903+/-214.883

In: 2075.200+/-170.854

Out: 1876.168+/-167.965

All: 1973.986+/-119.778

χ^2/NDF : 40.1/38

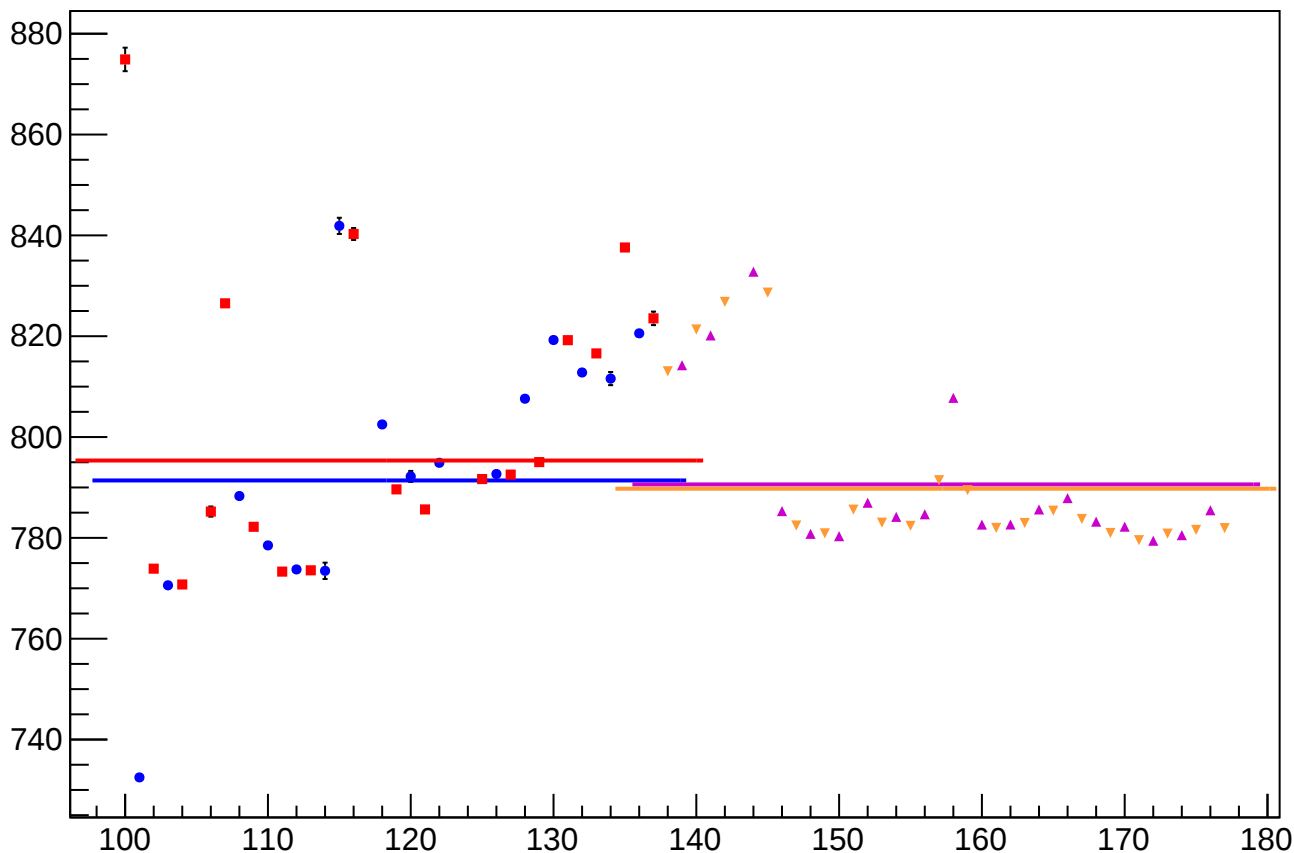
χ^2/NDF : 21.8/33

χ^2/NDF :34.9/34

χ^2/NDF :26.5/37

χ^2/NDF : 62.1/72

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 789.753 $\pm$ 0.143 χ^2 /NDF:10745.9/19

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

Left In: 790.603 $\pm$ 0.145 χ^2 /NDF:10779.7/18

Left: 790.171 $\pm$ 0.102 χ^2 /NDF: 21542.9/38

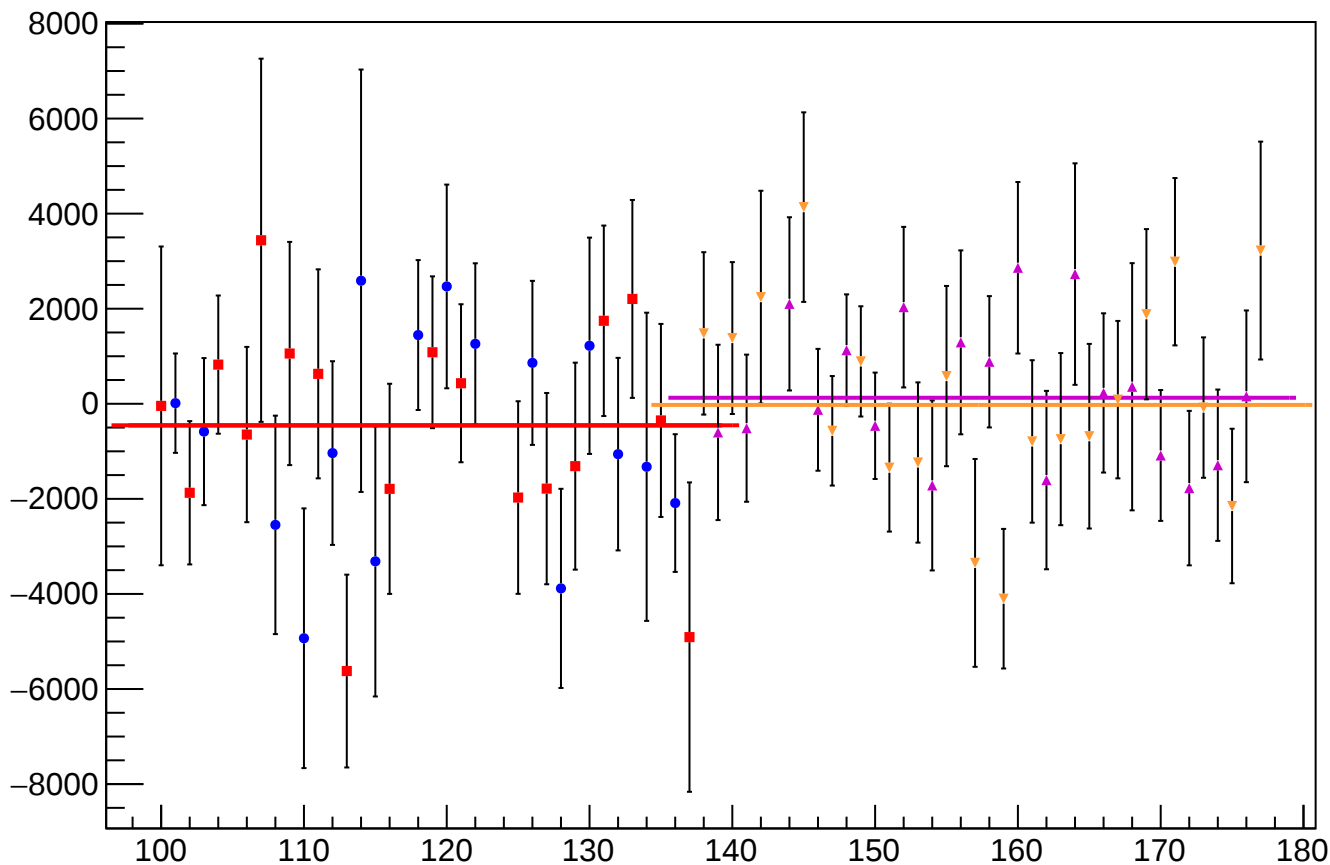
Right: 793.411 $\pm$ 0.152 χ^2 /NDF: 26737.3/33

In: 790.846 $\pm$ 0.121 χ^2 /NDF:25797.1/34

Out: 791.499 $\pm$ 0.119 χ^2 /NDF:22781.7/37

All: 791.178 $\pm$ 0.085 χ^2 /NDF: 48593.6/72

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -23.679+/-365.659 χ^2/NDF : 27.6/19

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

Left In: 126.702+/-365.440 χ^2/NDF : 12.9/18

Left: 51.556+/-258.482 χ^2/NDF : 40.6/38

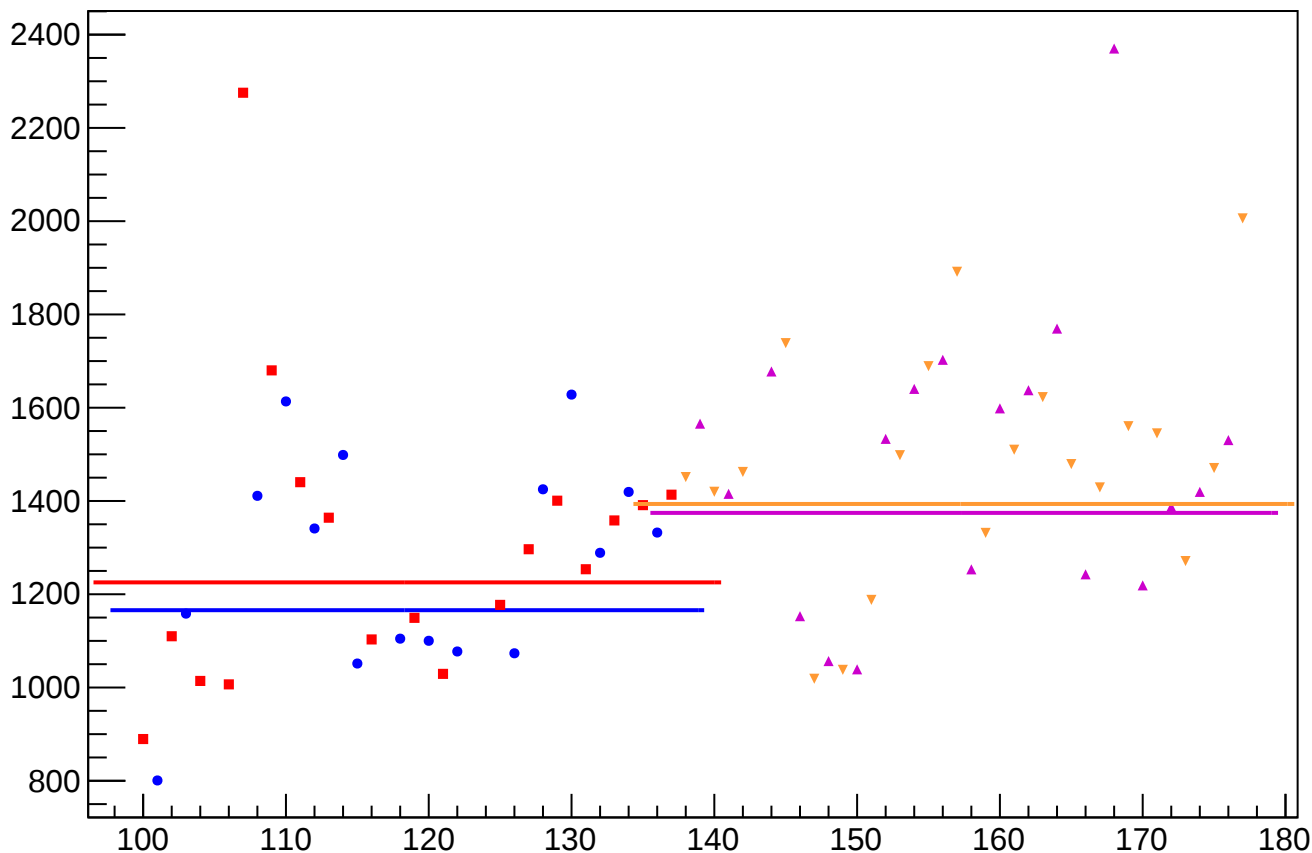
Right: -454.187+/-331.236 χ^2/NDF : 32.2/33

In: -96.110+/-287.146 χ^2/NDF : 28.7/34

Out: -184.245+/-289.239 χ^2/NDF : 45.5/37

All: -139.857+/-203.779 χ^2/NDF : 74.3/72

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1393.608 $\pm$ 0.259 χ^2 /NDF: 914069.5/19

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

Left In: 1374.472 $\pm$ 0.258 χ^2 /NDF: 1074696.0/18

Left: 1384.034 $\pm$ 0.183 χ^2 /NDF: 1991505.7/38

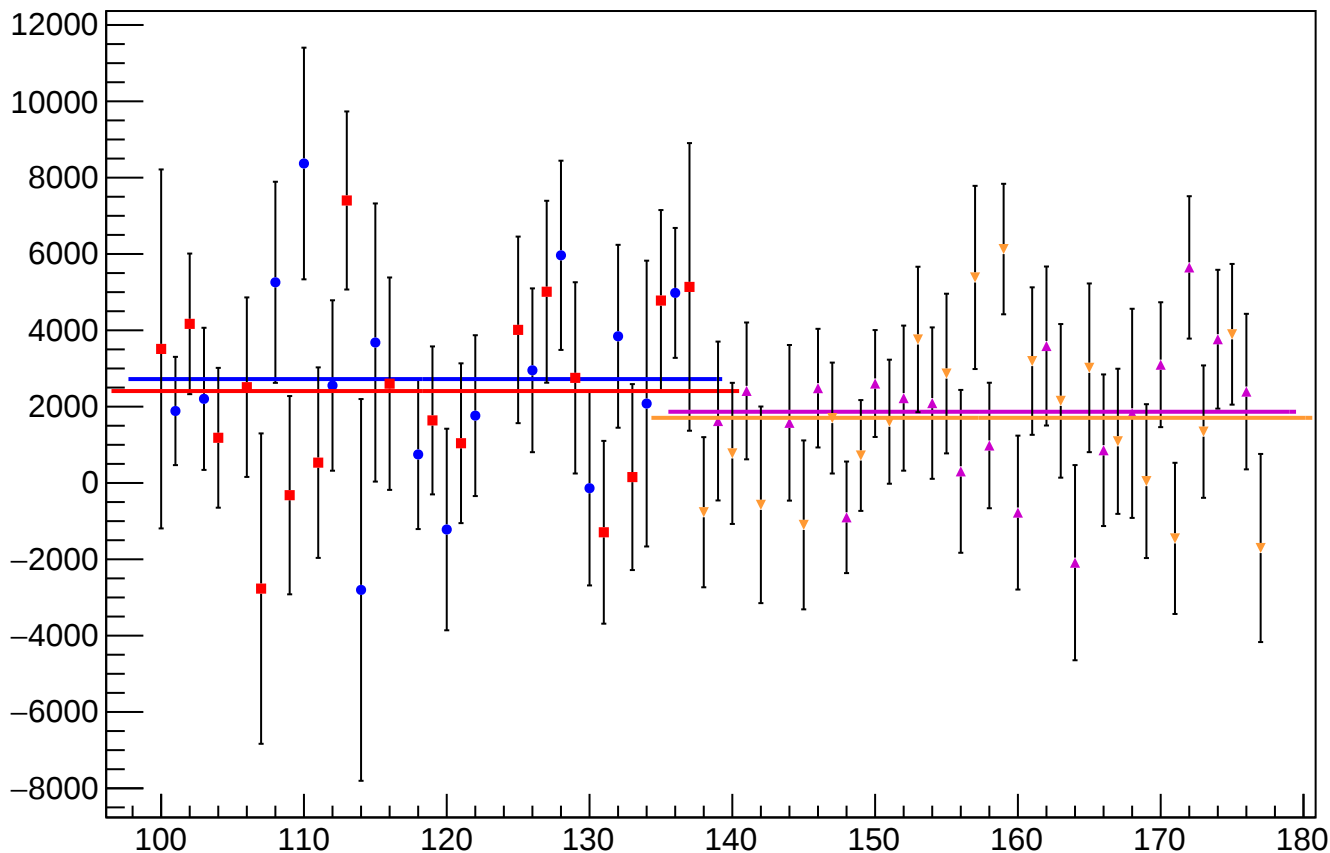
Right: 1195.087 $\pm$ 0.234 χ^2 /NDF: 983424.3/33

In: 1294.641 $\pm$ 0.203 χ^2 /NDF: 1850964.8/34

Out: 1330.664 $\pm$ 0.205 χ^2 /NDF: 1512815.6/37

All: 1312.522 $\pm$ 0.144 χ^2 /NDF: 3379404.6/72

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1706.849 $\pm$ 424.843 χ^2/NDF : 22.9/19

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

Left In: 1865.959 $\pm$ 425.831 χ^2/NDF : 15.9/18

Left: 1786.219 $\pm$ 300.758 χ^2/NDF : 38.9/38

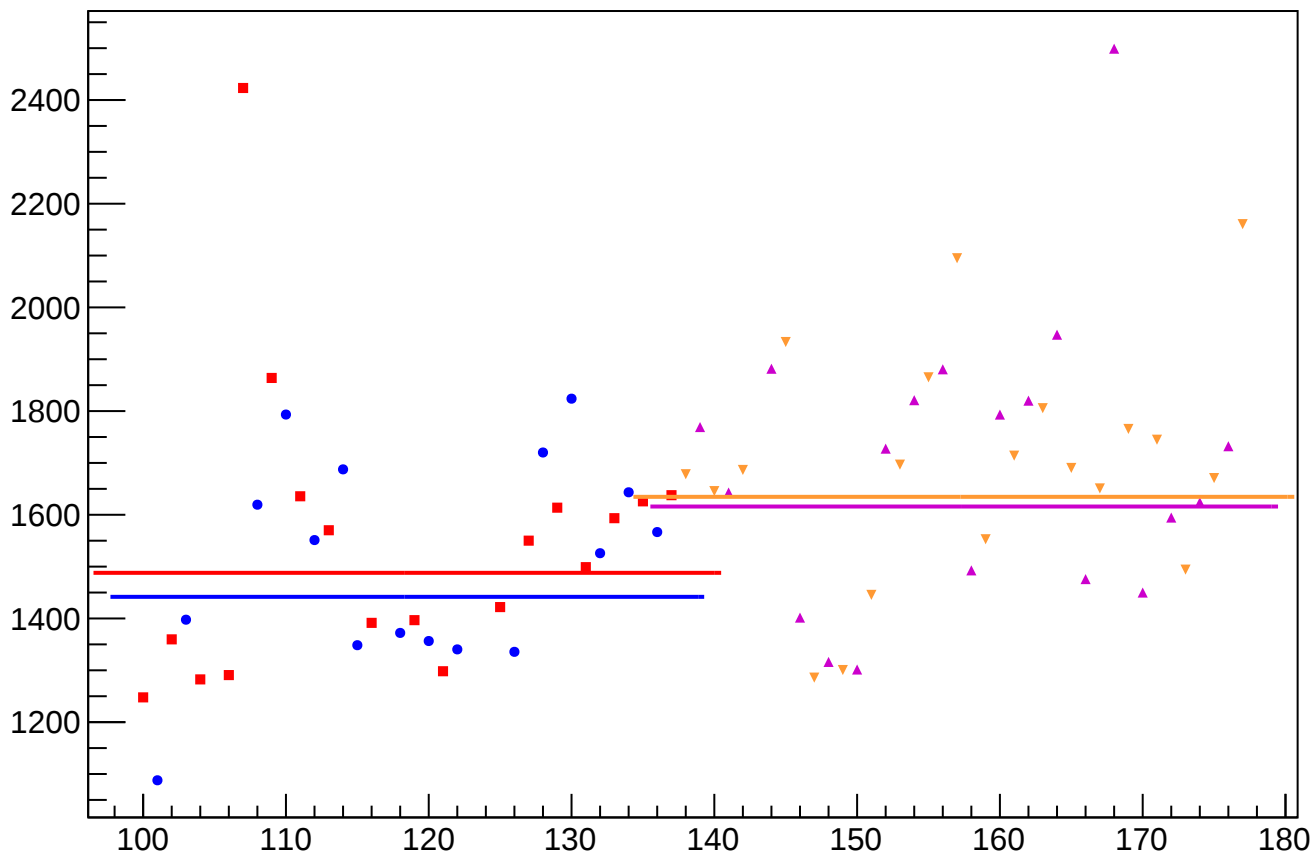
Right: 2565.881 $\pm$ 401.681 χ^2/NDF : 31.0/33

In: 2174.677 $\pm$ 340.530 χ^2/NDF : 31.9/34

Out: 1957.991 $\pm$ 340.416 χ^2/NDF : 40.1/37

All: 2066.297 $\pm$ 240.751 χ^2/NDF : 72.3/72

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1634.617+/-0.300 χ^2/NDF : 529776.7/19

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

Left In: 1615.917+/-0.301 χ^2/NDF : 651815.4/18

Left: 1625.289+/-0.213 χ^2/NDF : 1183525.0/38

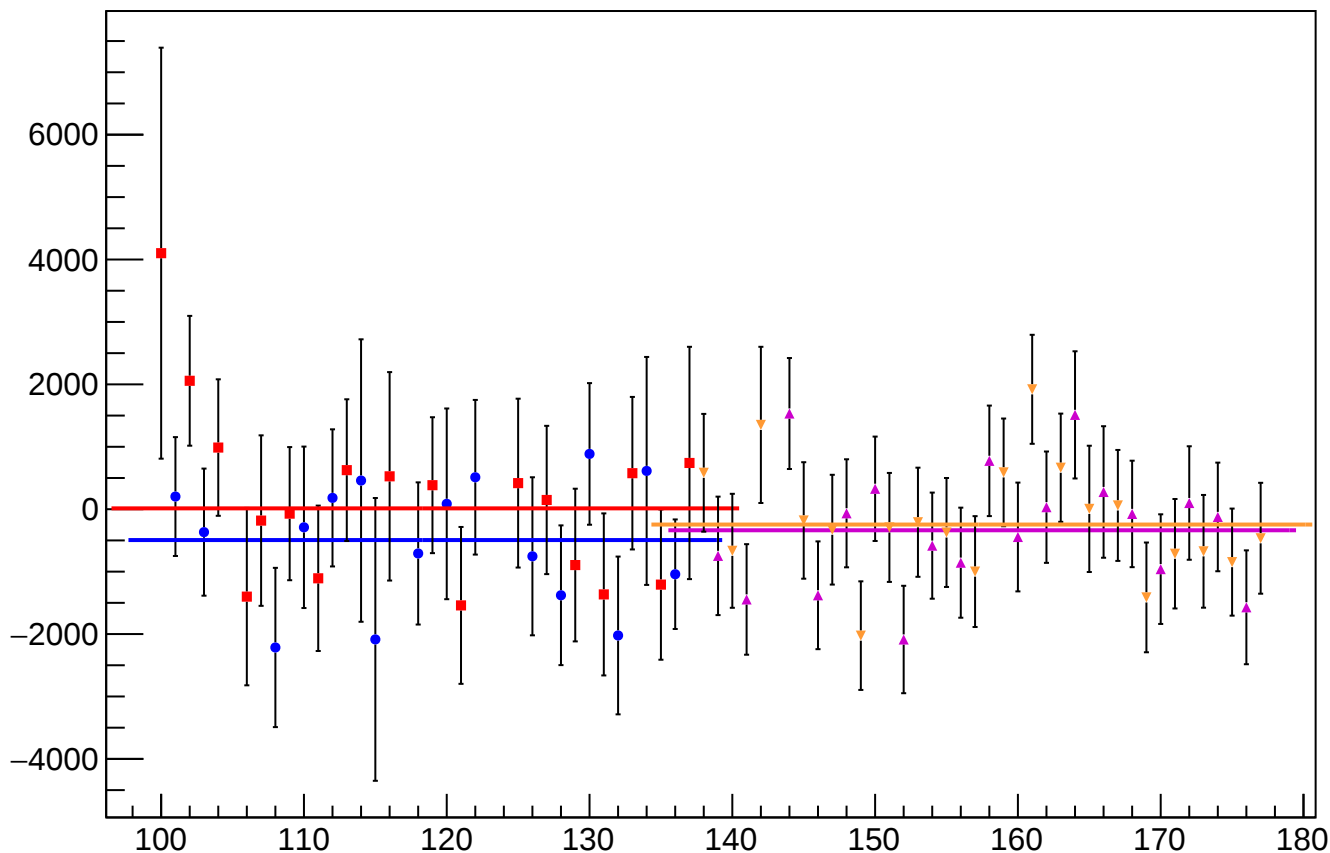
Right: 1464.799+/-0.284 χ^2/NDF : 538687.7/33

In: 1553.119+/-0.241 χ^2/NDF : 1048373.8/34

Out: 1582.144+/-0.241 χ^2/NDF : 871153.1/37

All: 1567.636+/-0.170 χ^2/NDF : 1926794.3/72

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -245.725+/-201.597 χ^2/NDF :18.8/19

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

Left In: -337.469+/-204.559 χ^2/NDF :21.0/18

Left: -290.928+/-143.586 χ^2/NDF : 39.9/38

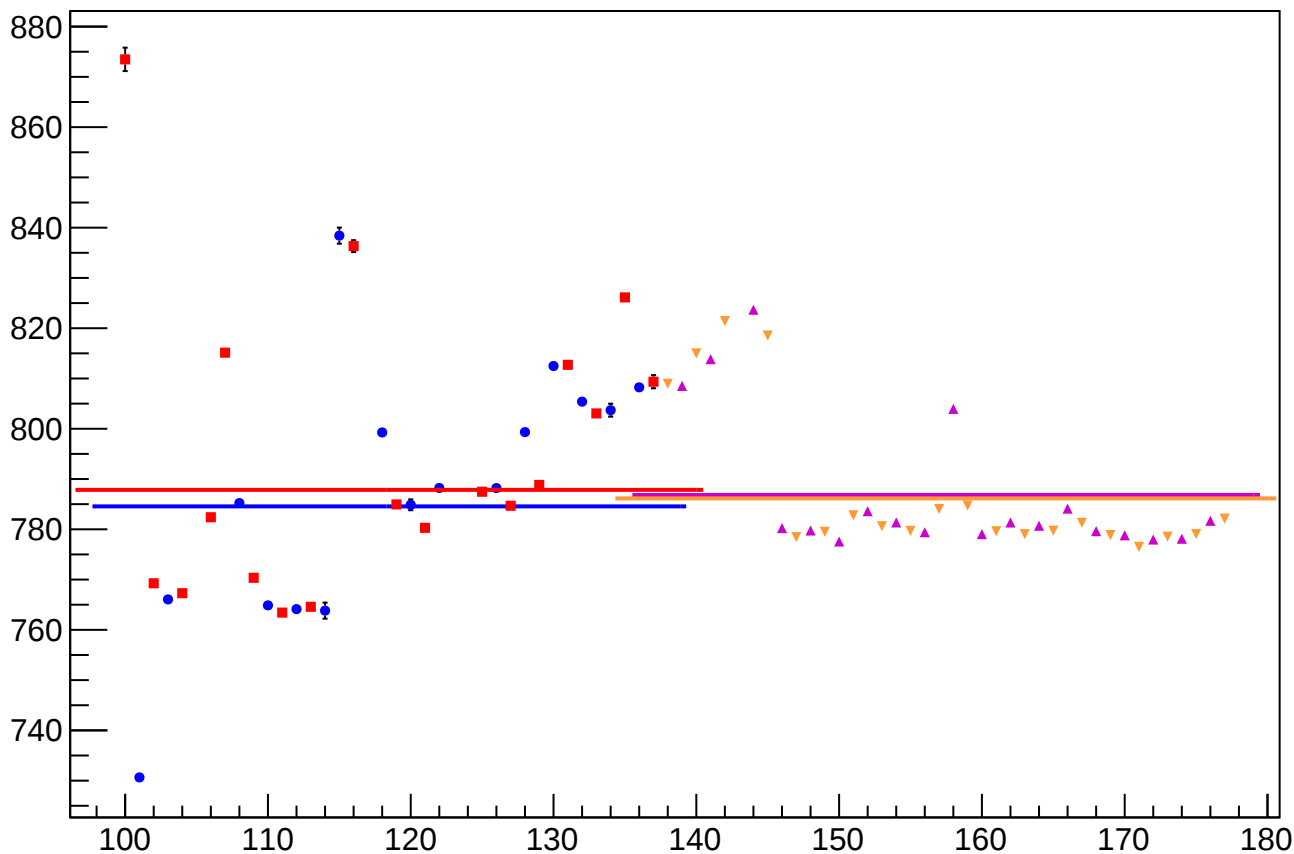
Right: -234.534+/-212.932 χ^2/NDF : 23.4/33

In: -386.182+/-169.826 χ^2/NDF :29.9/34

Out: -164.235+/-166.931 χ^2/NDF :32.6/37

All: -273.300+/-119.048 χ^2/NDF : 63.4/72

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.558+/-0.215 χ^2/NDF : 13677.7/15

Left Out: 786.144+/-0.143 χ^2/NDF : 8760.9/19

Right Out: 787.844+/-0.211 χ^2/NDF : 10909.0/17

Left In: 786.826+/-0.145 χ^2/NDF : 8924.3/18

Left: 786.480+/-0.102 χ^2/NDF : 17696.5/38

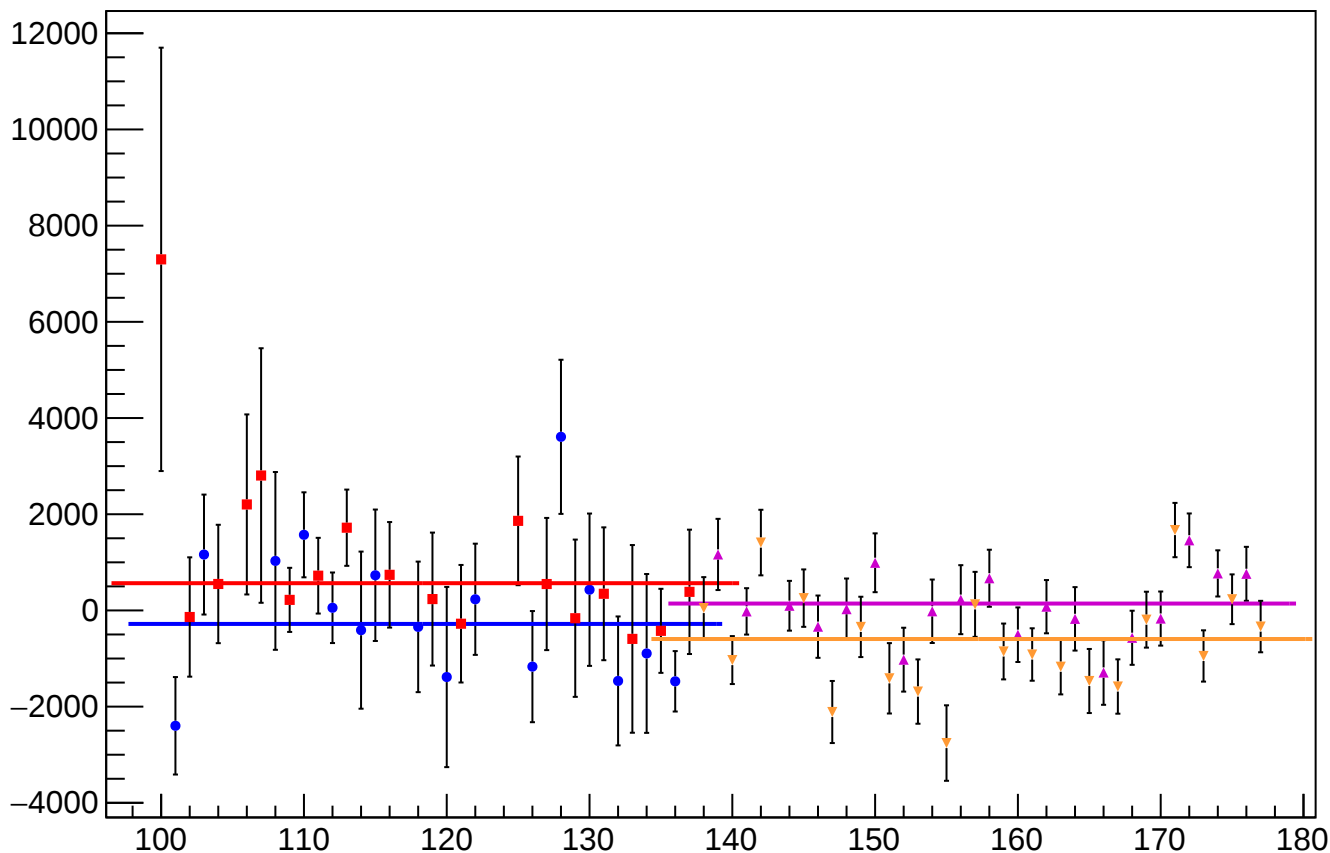
Right: 786.239+/-0.151 χ^2/NDF : 24705.7/33

In: 786.121+/-0.120 χ^2/NDF : 22678.4/34

Out: 786.679+/-0.118 χ^2/NDF : 19714.6/37

All: 786.405+/-0.084 χ^2/NDF : 42404.0/72

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -594.264 ± 133.799 χ^2/NDF : 56.9/19

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

Left In: 142.879 ± 135.244 χ^2/NDF : 25.0/18

Left: -229.654 ± 95.117 χ^2/NDF : 96.9/38

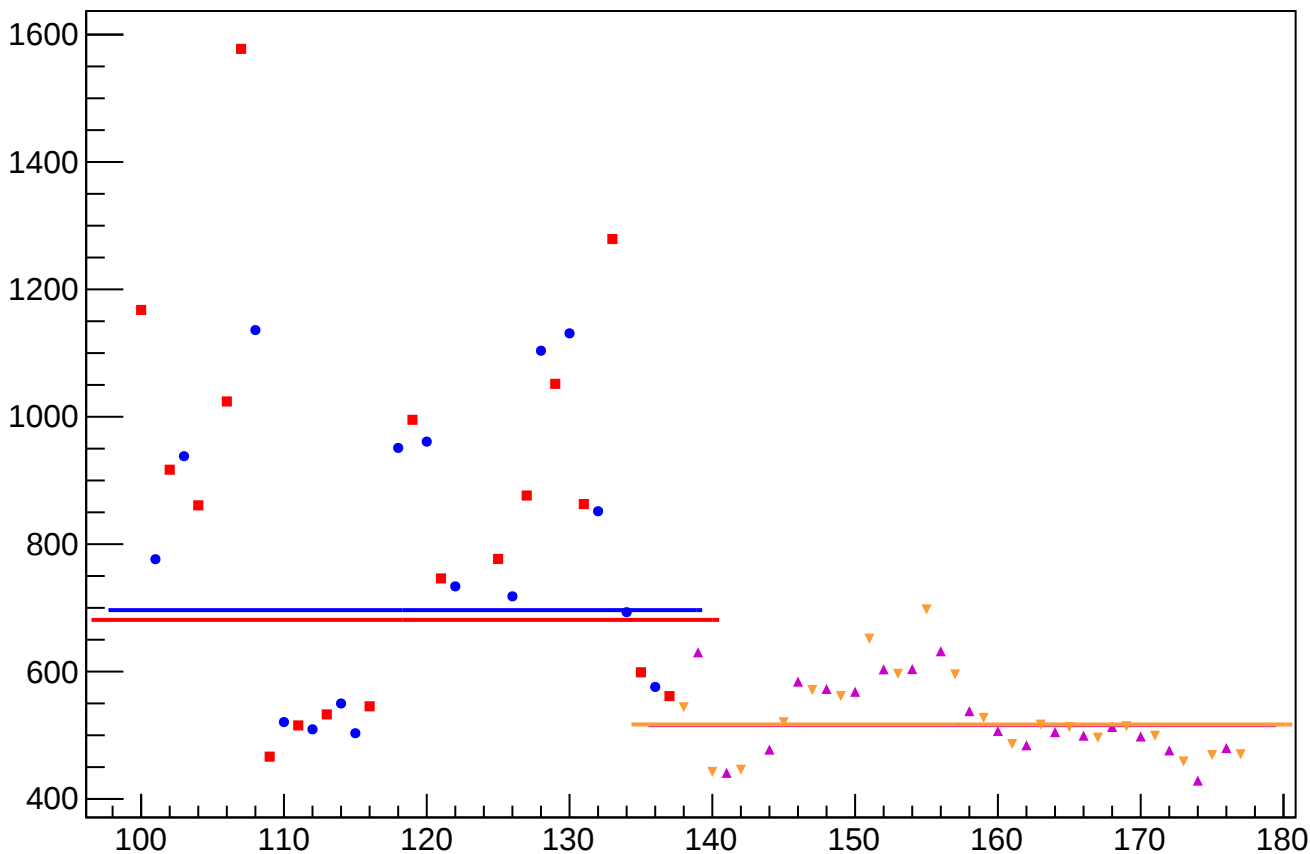
Right: 157.456 ± 196.270 χ^2/NDF : 37.7/33

In: 63.912 ± 121.986 χ^2/NDF : 49.9/34

Out: -369.345 ± 120.135 χ^2/NDF : 81.5/37

All: -156.028 ± 85.595 χ^2/NDF : 137.8/72

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 516.948+/-0.095 χ^2/NDF : 391309.5/19

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

Left In: 515.886+/-0.096 χ^2/NDF : 380153.3/18

Left: 516.423+/-0.067 χ^2/NDF : 771525.0/38

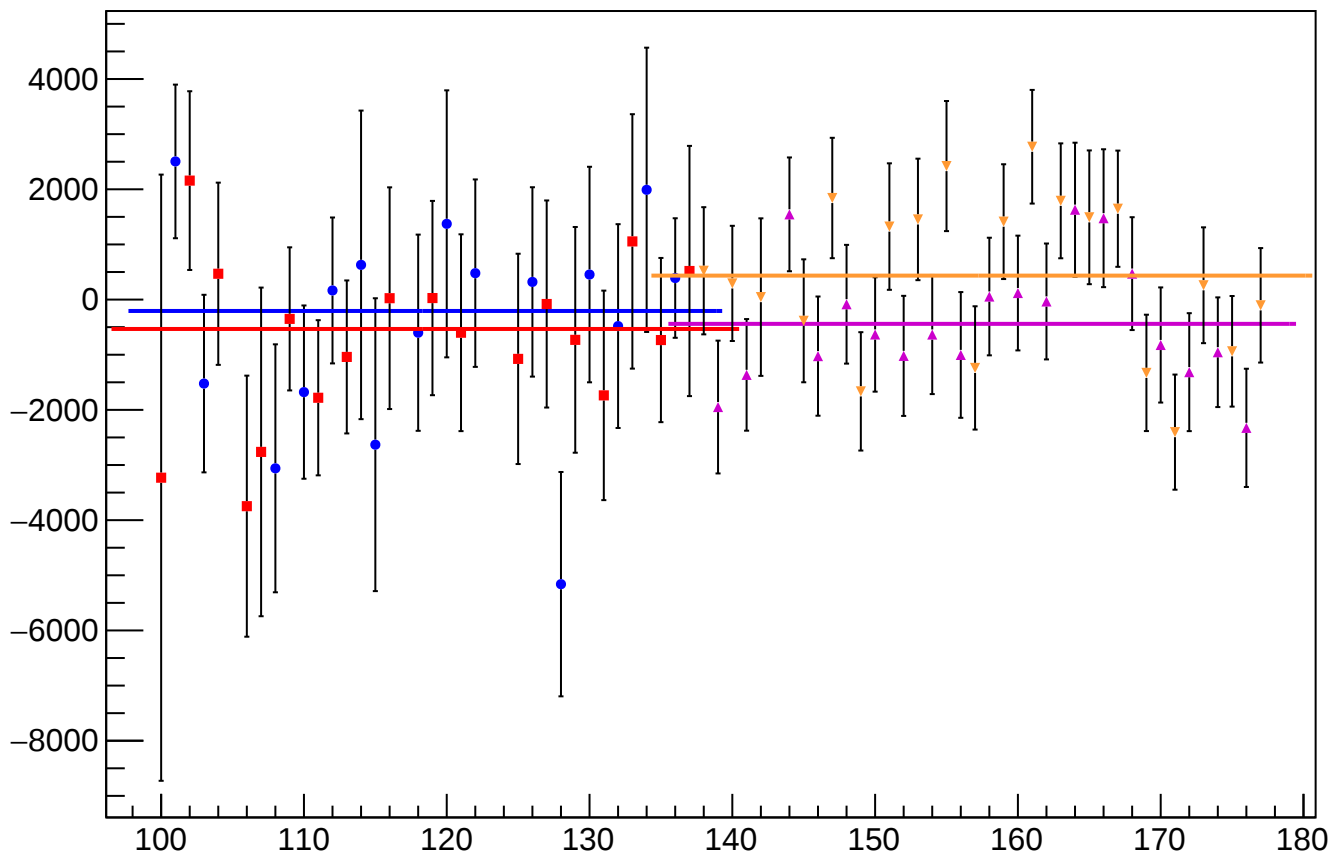
Right: 688.529+/-0.139 χ^2/NDF : 2315094.2/33

In: 549.556+/-0.086 χ^2/NDF : 2004437.2/34

Out: 548.768+/-0.085 χ^2/NDF : 2327504.4/37

All: 549.156+/-0.061 χ^2/NDF : 4331983.9/72

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 434.785 ± 244.094 χ^2/NDF : 34.8/19

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

Left In: -440.190 ± 247.107 χ^2/NDF : 18.0/18

Left: 2.664 ± 173.656 χ^2/NDF : 59.1/38

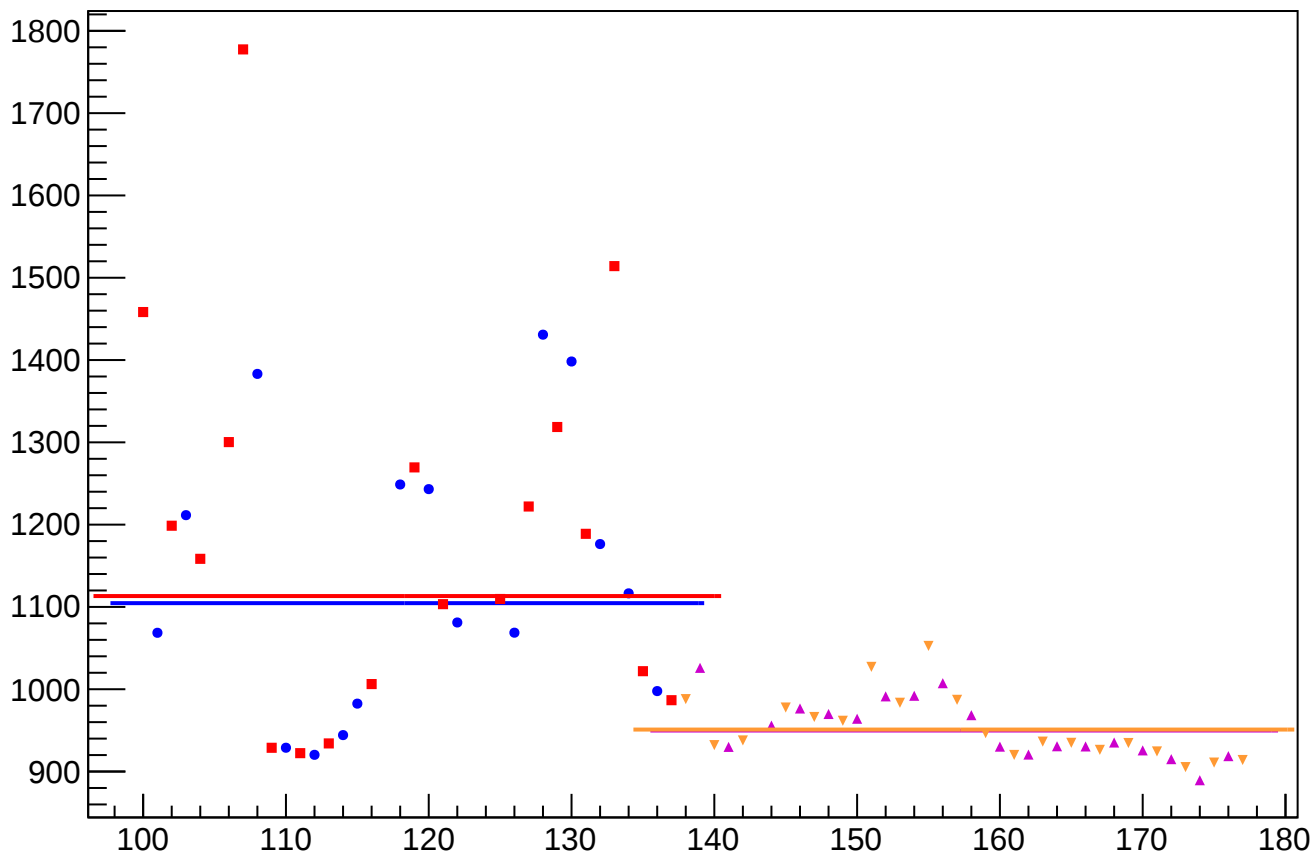
Right: -372.131 ± 304.348 χ^2/NDF : 24.2/33

In: -382.905 ± 214.712 χ^2/NDF : 34.0/34

Out: 196.571 ± 211.928 χ^2/NDF : 46.8/37

All: -89.387 ± 150.830 χ^2/NDF : 84.5/72

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 950.989 $\pm$ 0.173 χ^2 /NDF: 47093.4/19

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

Left In: 949.814 $\pm$ 0.175 χ^2 /NDF: 38688.4/18

Left: 950.409 $\pm$ 0.123 χ^2 /NDF: 85804.7/38

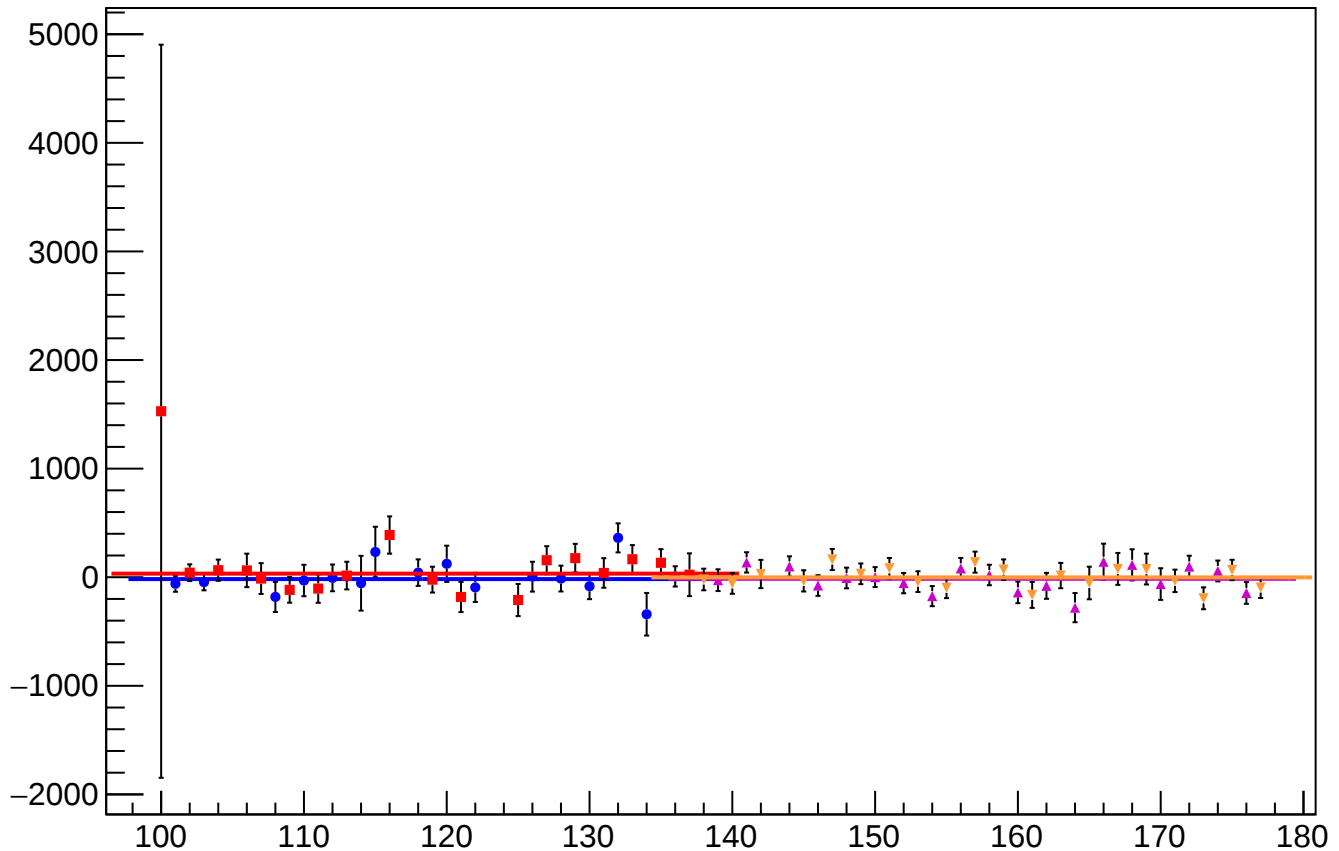
Right: 1108.972 $\pm$ 0.215 χ^2 /NDF: 618871.4/33

In: 987.737 $\pm$ 0.152 χ^2 /NDF: 486435.0/34

Out: 990.927 $\pm$ 0.150 χ^2 /NDF: 627556.6/37

All: 989.353 $\pm$ 0.107 χ^2 /NDF: 1114215.2/72

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: -1.609 ± 23.334 χ^2/NDF : 15.9/19

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

Left In: -14.559 ± 23.653 χ^2/NDF : 20.0/18

Left: -7.996 ± 16.611 χ^2/NDF : 36.0/38

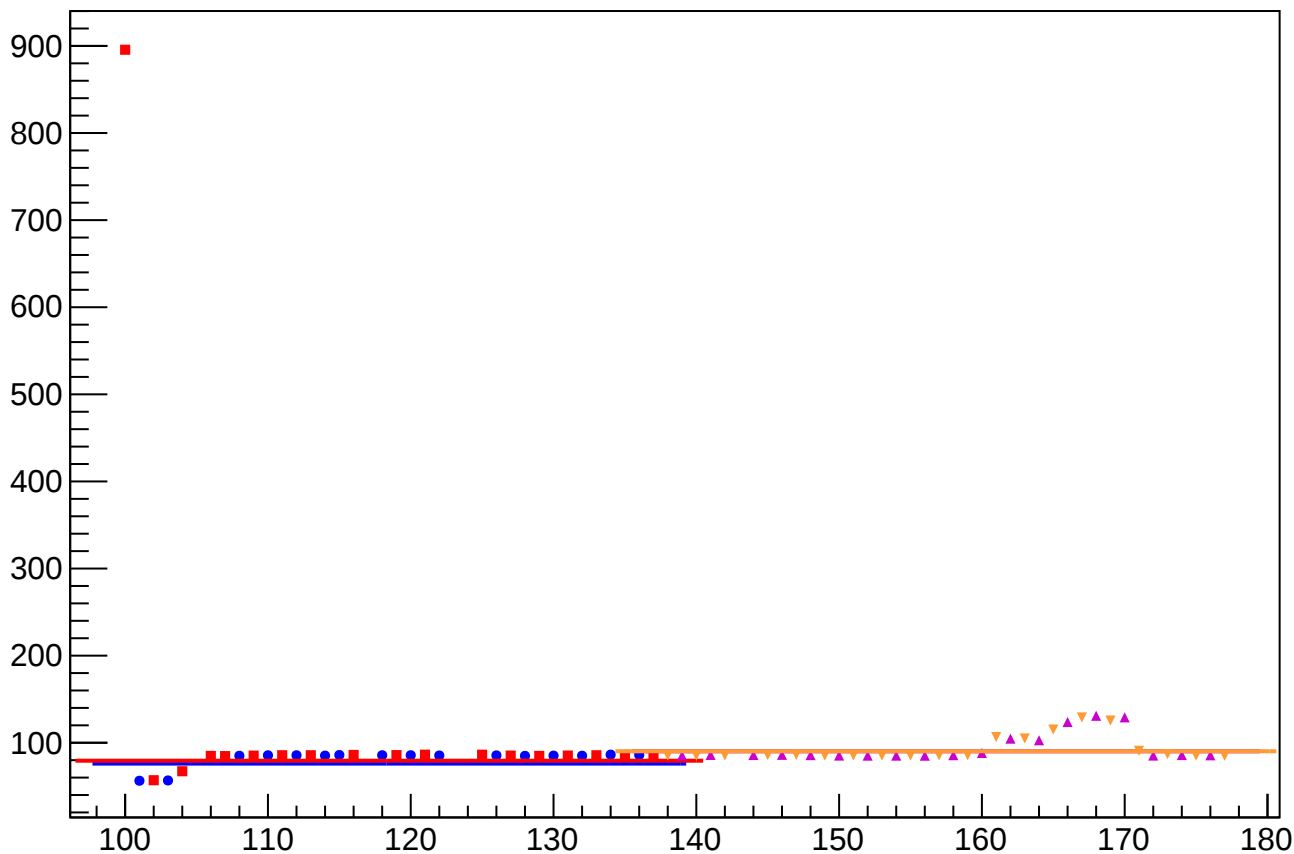
Right: 7.447 ± 21.365 χ^2/NDF : 33.5/33

In: -15.586 ± 18.572 χ^2/NDF : 35.6/34

Out: 11.157 ± 18.520 χ^2/NDF : 33.3/37

All: -2.178 ± 13.114 χ^2/NDF : 69.9/72

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 90.248 $\pm$ 0.016 χ^2 /NDF: 452405.5/19

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

Left In: 90.187 $\pm$ 0.017 χ^2 /NDF: 494479.5/18

Left: 90.218 $\pm$ 0.012 χ^2 /NDF: 946892.0/38

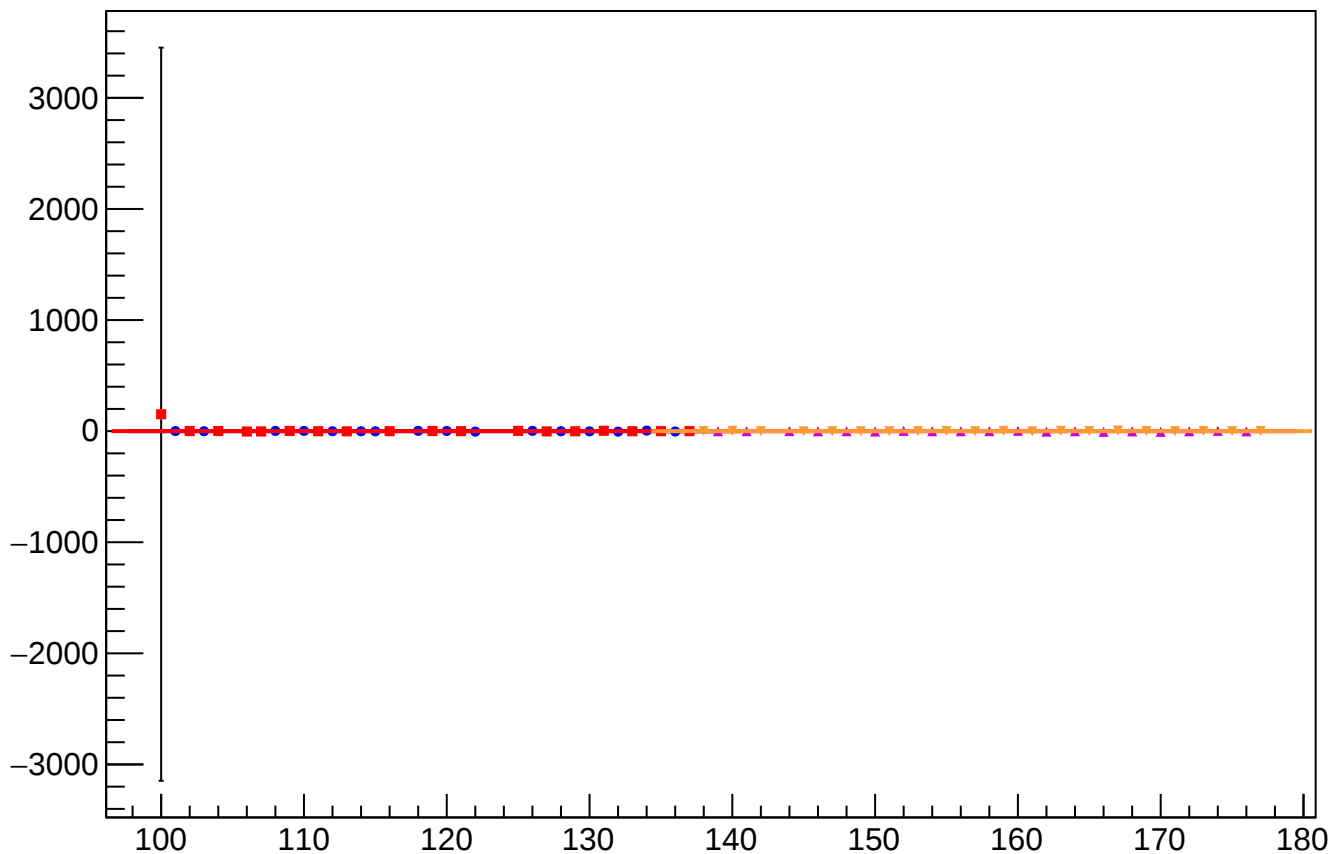
Right: 77.709 $\pm$ 0.015 χ^2 /NDF: 799700.2/33

In: 84.776 $\pm$ 0.013 χ^2 /NDF: 1176516.7/34

Out: 86.231 $\pm$ 0.013 χ^2 /NDF: 991195.2/37

All: 85.505 $\pm$ 0.009 χ^2 /NDF: 2173863.1/72

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.065 ± 0.404 χ^2/NDF : 13.4/19

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

Left In: -0.307 ± 0.424 χ^2/NDF : 23.6/18

Left: -0.112 ± 0.292 χ^2/NDF : 37.5/38

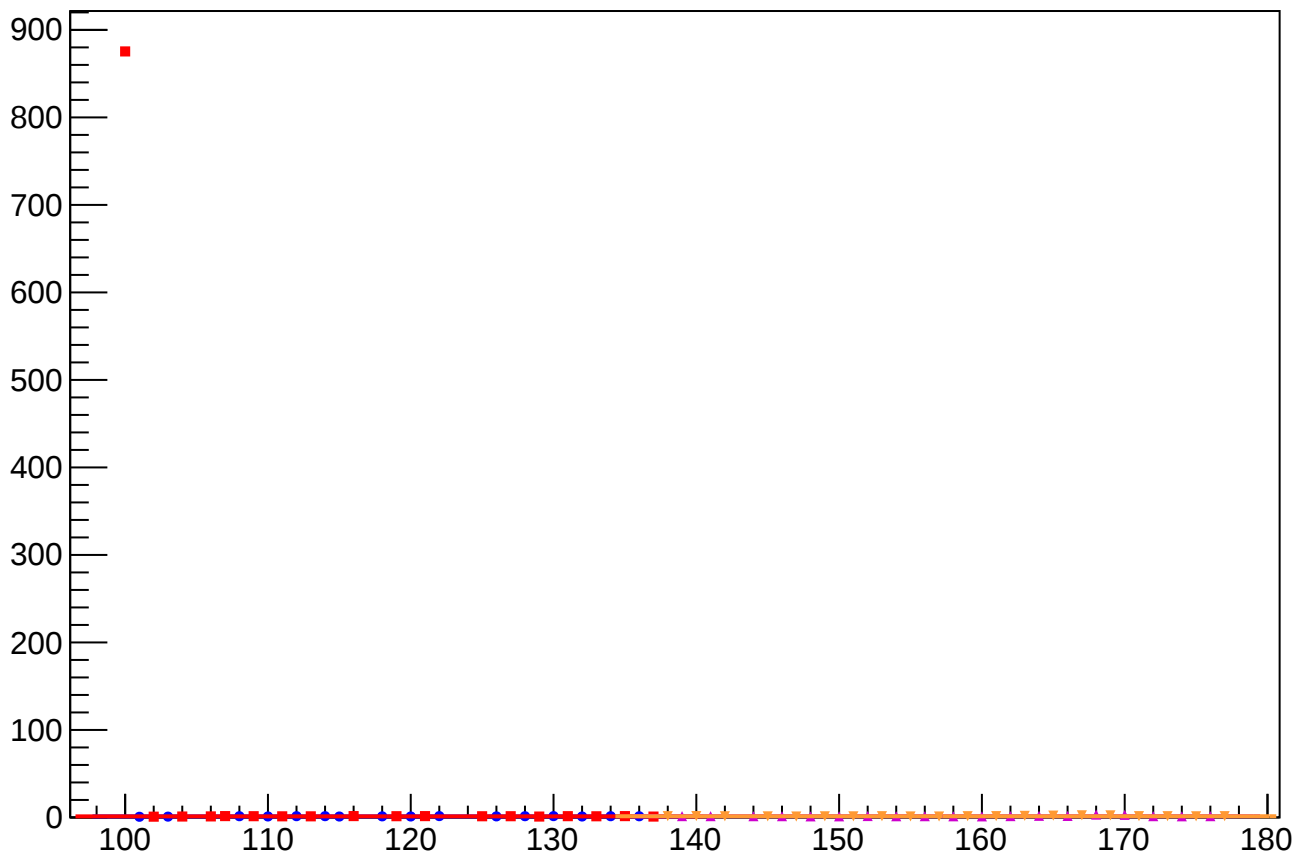
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.296 ± 0.324 χ^2/NDF : 44.8/34

Out: 0.070 ± 0.319 χ^2/NDF : 22.4/37

All: -0.111 ± 0.227 χ^2/NDF : 67.8/72

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.390+/-0.000 χ^2/NDF : 907982.4/19

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

Left In: 1.464+/-0.000 χ^2/NDF : 984148.4/18

Left: 1.425+/-0.000 χ^2/NDF : 1923403.7/38

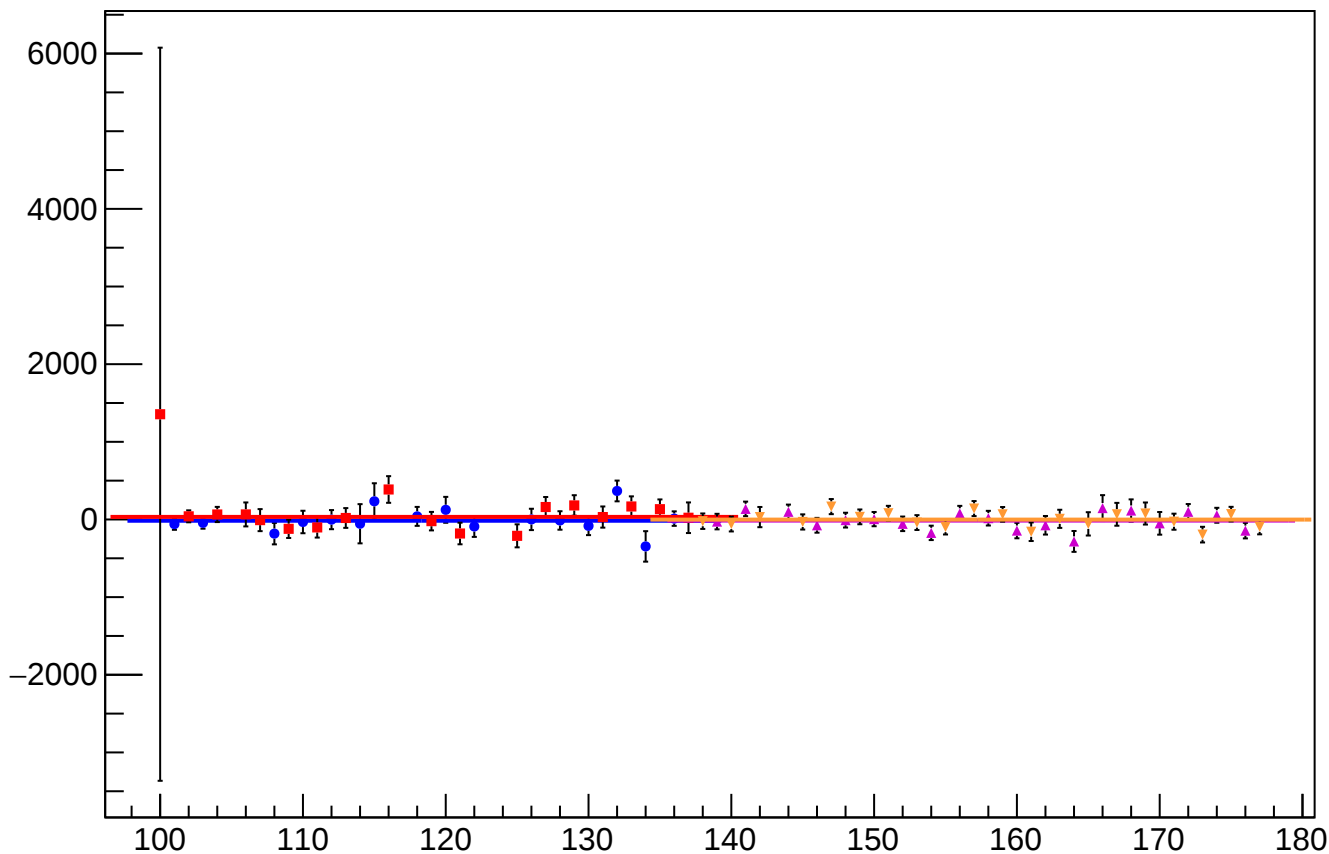
Right: 1.198+/-0.000 χ^2/NDF : 1065824.7/33

In: 1.334+/-0.000 χ^2/NDF : 1948312.7/34

Out: 1.337+/-0.000 χ^2/NDF : 1519822.7/37

All: 1.335+/-0.000 χ^2/NDF : 3468207.7/72

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: -1.683+/-23.341 χ^2/NDF : 15.9/19

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

Left In: -14.459+/-23.661 χ^2/NDF : 19.9/18

Left: -7.984+/-16.616 χ^2/NDF : 35.9/38

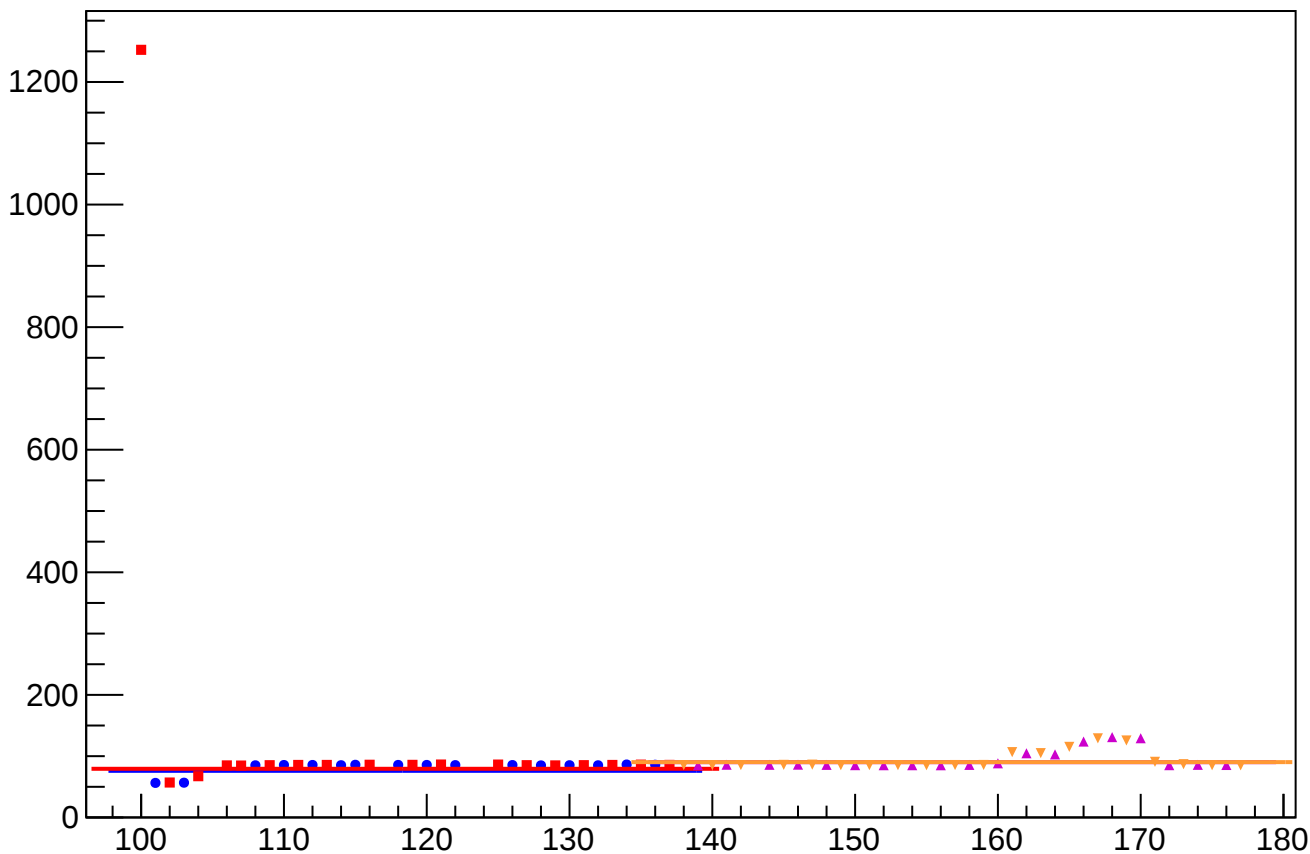
Right: 8.026+/-21.371 χ^2/NDF : 33.7/33

In: -15.169+/-18.577 χ^2/NDF : 35.8/34

Out: 11.193+/-18.526 χ^2/NDF : 33.2/37

All: -1.952+/-13.118 χ^2/NDF : 70.0/72

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 90.275 $\pm$ 0.017 χ^2 /NDF: 453146.3/19

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

Left In: 90.213 $\pm$ 0.017 χ^2 /NDF: 495349.4/18

Left: 90.244 $\pm$ 0.012 χ^2 /NDF: 948502.6/38

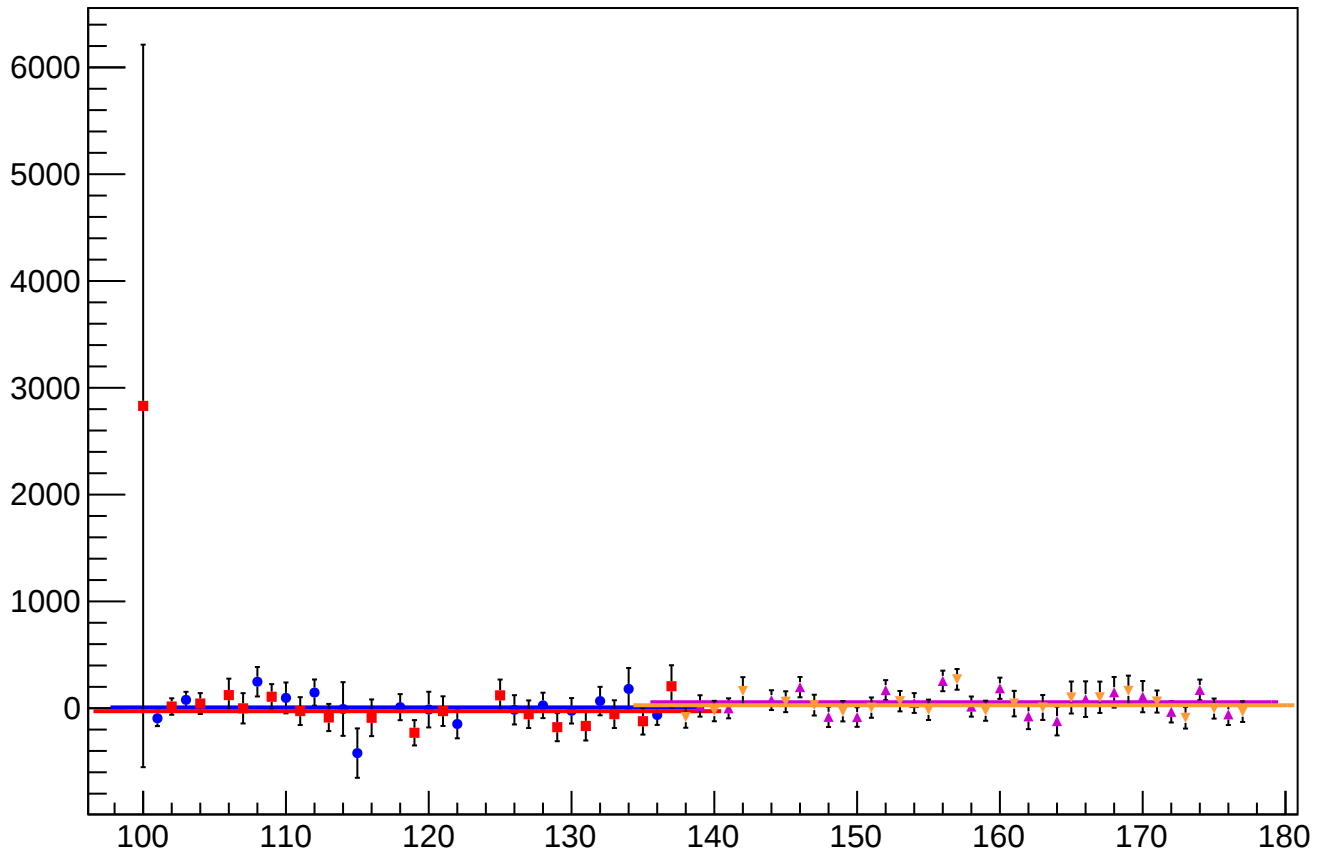
Right: 77.721 $\pm$ 0.015 χ^2 /NDF: 806127.4/33

In: 84.800 $\pm$ 0.013 χ^2 /NDF: 1177524.8/34

Out: 86.248 $\pm$ 0.013 χ^2 /NDF: 999048.1/37

All: 85.526 $\pm$ 0.009 χ^2 /NDF: 2182671.2/72

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 27.689 ± 23.337 χ^2/NDF : 13.5/19

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

Left In: 55.911 ± 23.663 χ^2/NDF : 21.8/18

Left: 41.605 ± 16.616 χ^2/NDF : 36.0/38

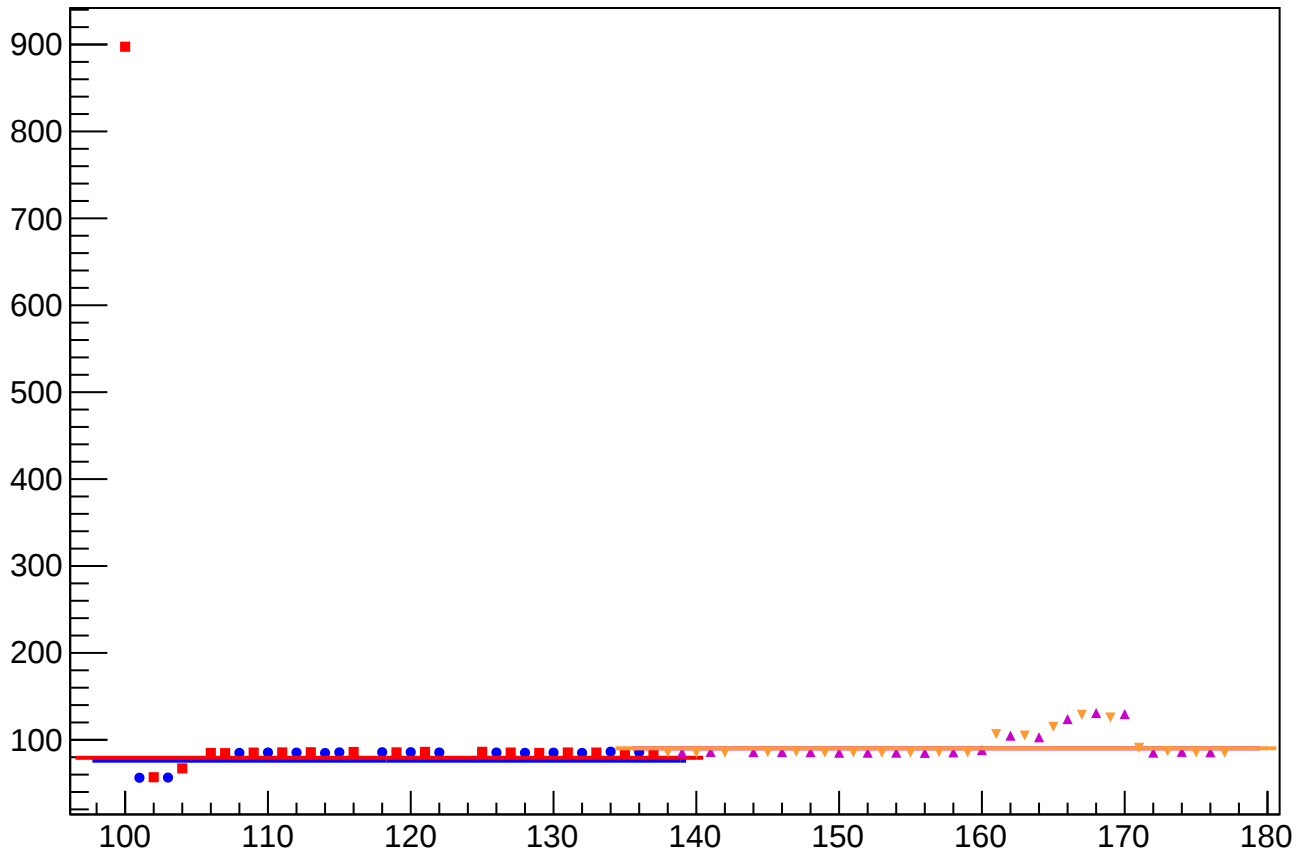
Right: -9.961 ± 21.352 χ^2/NDF : 27.1/33

In: 37.305 ± 18.571 χ^2/NDF : 37.4/34

Out: 7.093 ± 18.518 χ^2/NDF : 28.1/37

All: 22.155 ± 13.113 χ^2/NDF : 66.8/72

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 90.264 $\pm$ 0.017 χ^2 /NDF: 451268.6/19

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

Left In: 90.216 $\pm$ 0.017 χ^2 /NDF: 497316.1/18

Left: 90.240 $\pm$ 0.012 χ^2 /NDF: 948588.8/38

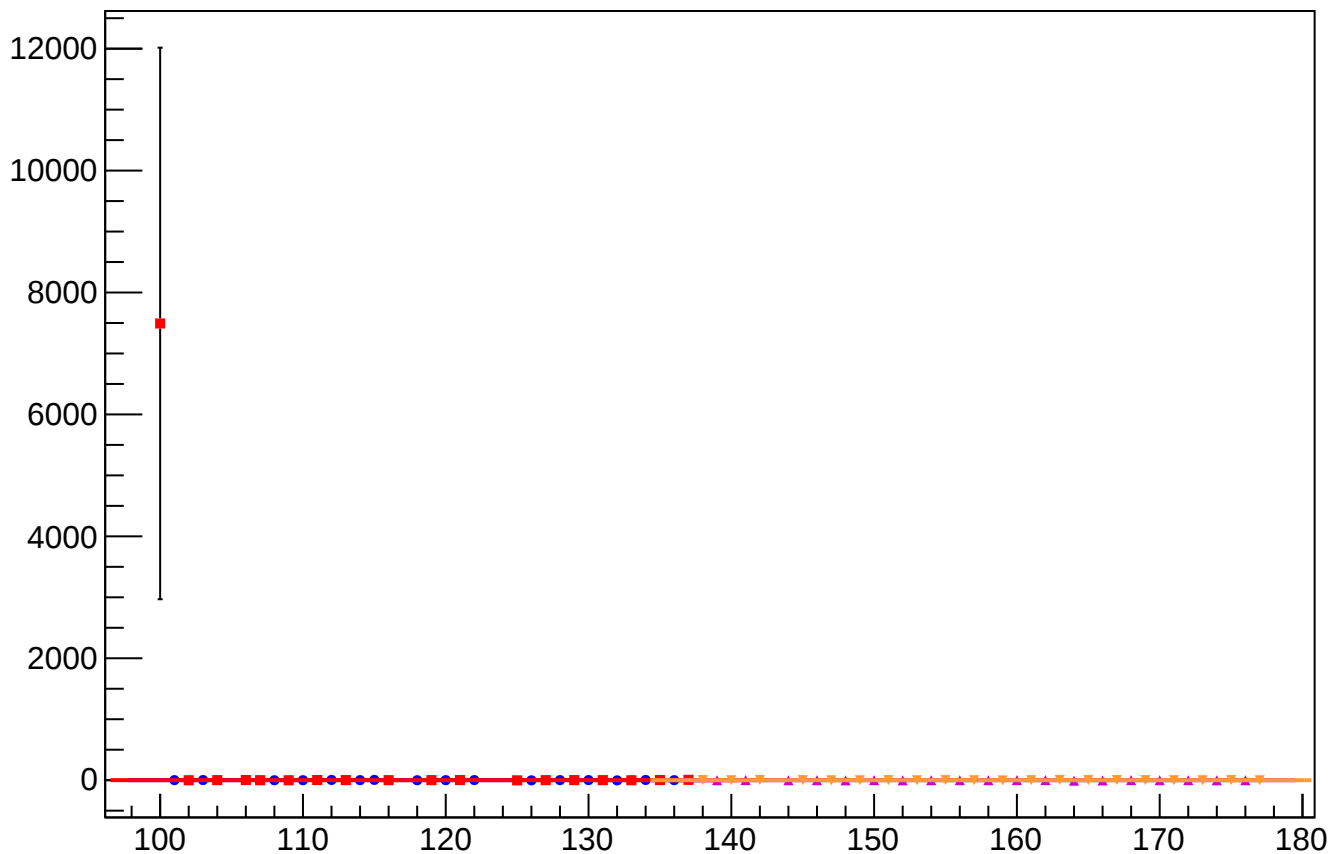
Right: 77.662 $\pm$ 0.015 χ^2 /NDF: 799302.8/33

In: 84.769 $\pm$ 0.013 χ^2 /NDF: 1182206.7/34

Out: 86.218 $\pm$ 0.013 χ^2 /NDF: 991883.5/37

All: 85.496 $\pm$ 0.009 χ^2 /NDF: 2180198.8/72

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.423 ± 0.416 χ^2/NDF : 18.6/19

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

Left In: 0.066 ± 0.422 χ^2/NDF : 15.7/18

Left: -0.182 ± 0.296 χ^2/NDF : 34.9/38

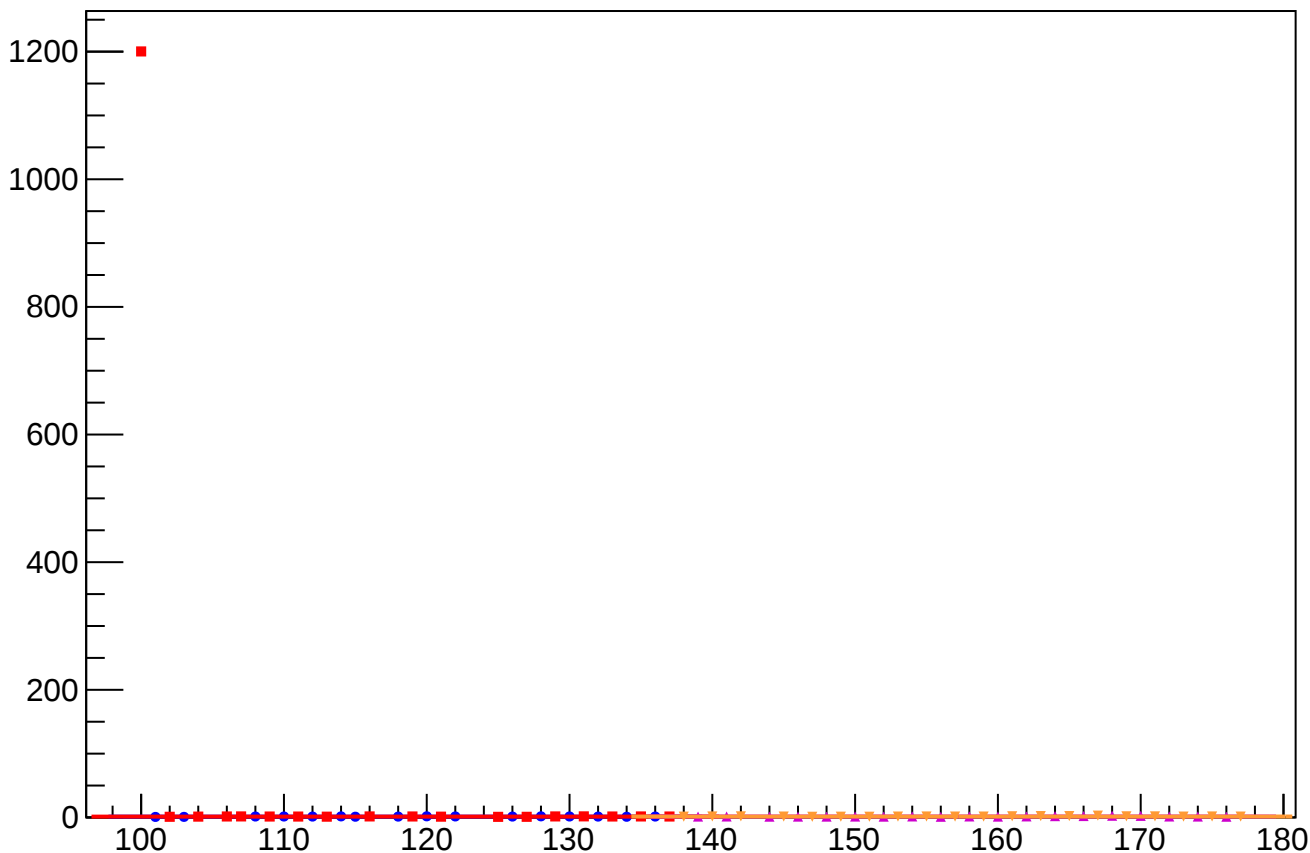
Right: 0.621 ± 0.382 χ^2/NDF : 25.2/33

In: 0.392 ± 0.331 χ^2/NDF : 29.2/34

Out: -0.154 ± 0.331 χ^2/NDF : 32.3/37

All: 0.119 ± 0.234 χ^2/NDF : 62.9/72

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.442+/-0.000 χ^2 /NDF:1049072.7/19

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

Left In: 1.442+/-0.000 χ^2 /NDF:991997.9/18

Left: 1.442+/-0.000 χ^2 /NDF: 2041070.7/38

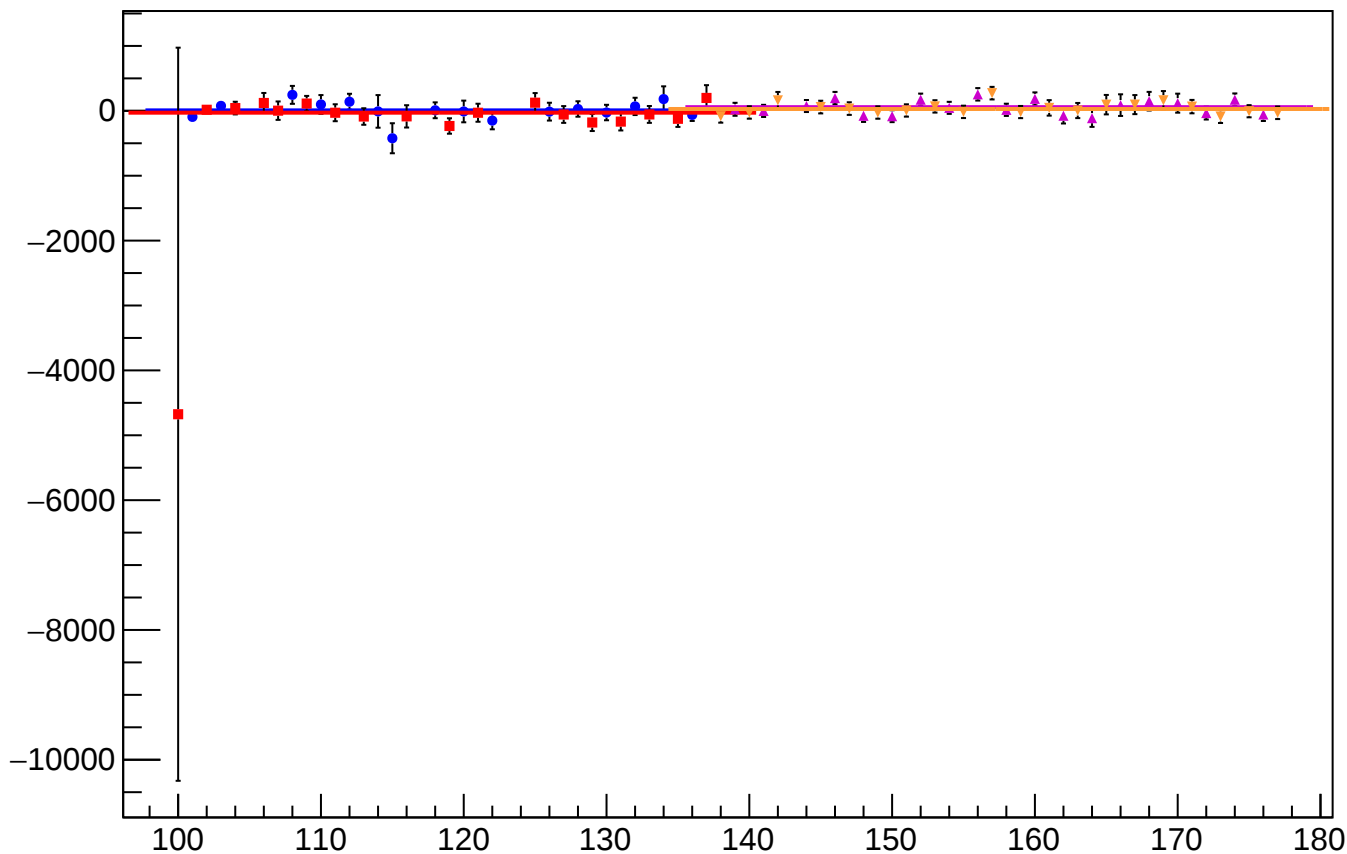
Right: 1.276+/-0.000 χ^2 /NDF: 1201203.5/33

In: 1.363+/-0.000 χ^2 /NDF:1830248.8/34

Out: 1.396+/-0.000 χ^2 /NDF:1635928.7/37

All: 1.380+/-0.000 χ^2 /NDF: 3476379.1/72

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 28.322 ± 23.345 χ^2/NDF : 13.4/19

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

Left In: 56.458 ± 23.670 χ^2/NDF : 21.5/18

Left: 42.195 ± 16.621 χ^2/NDF : 35.6/38

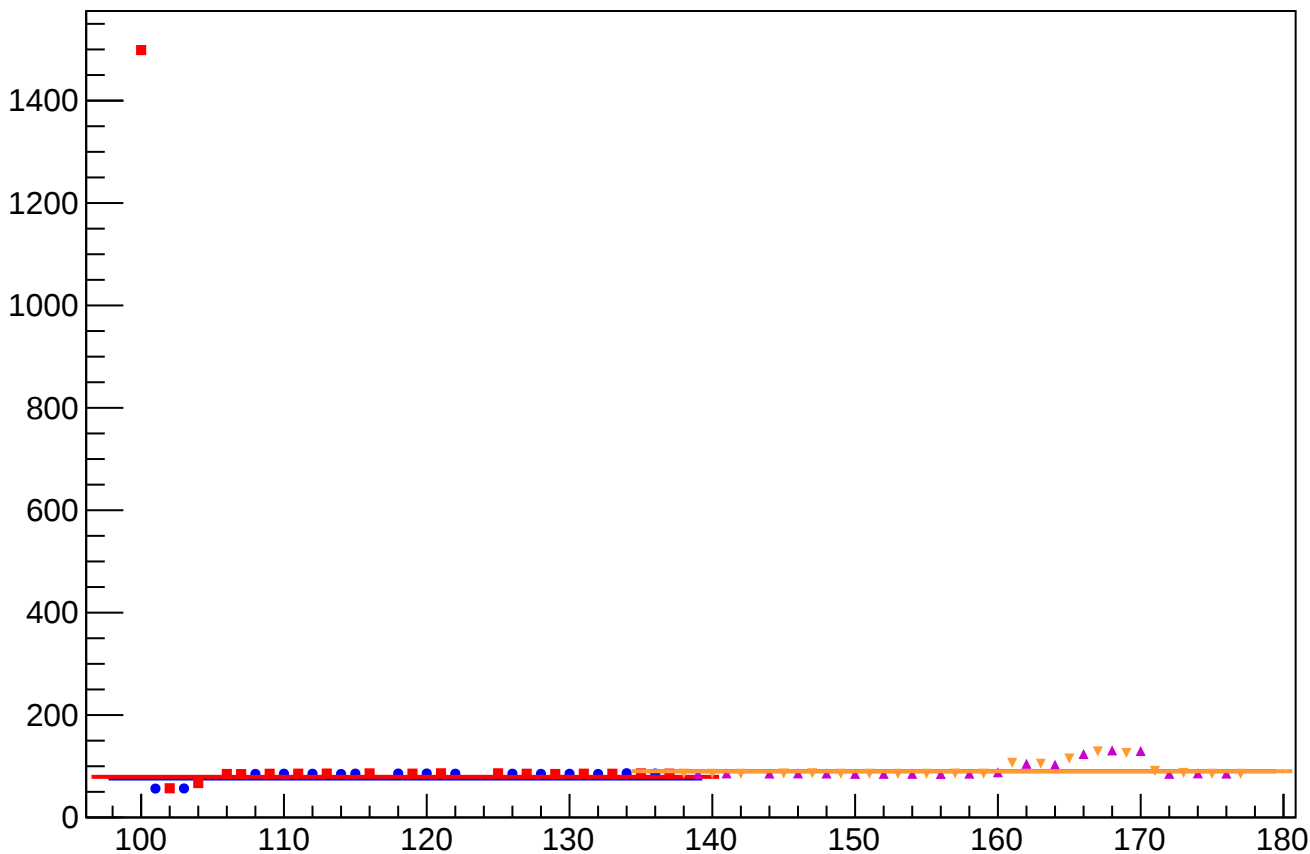
Right: -10.616 ± 21.358 χ^2/NDF : 27.2/33

In: 37.380 ± 18.577 χ^2/NDF : 37.0/34

Out: 7.257 ± 18.524 χ^2/NDF : 28.2/37

All: 22.275 ± 13.117 χ^2/NDF : 66.6/72

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 90.290 $\pm$ 0.017 χ^2 /NDF: 452017.8/19

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

Left In: 90.243 $\pm$ 0.017 χ^2 /NDF: 498117.3/18

Left: 90.267 $\pm$ 0.012 χ^2 /NDF: 950139.3/38

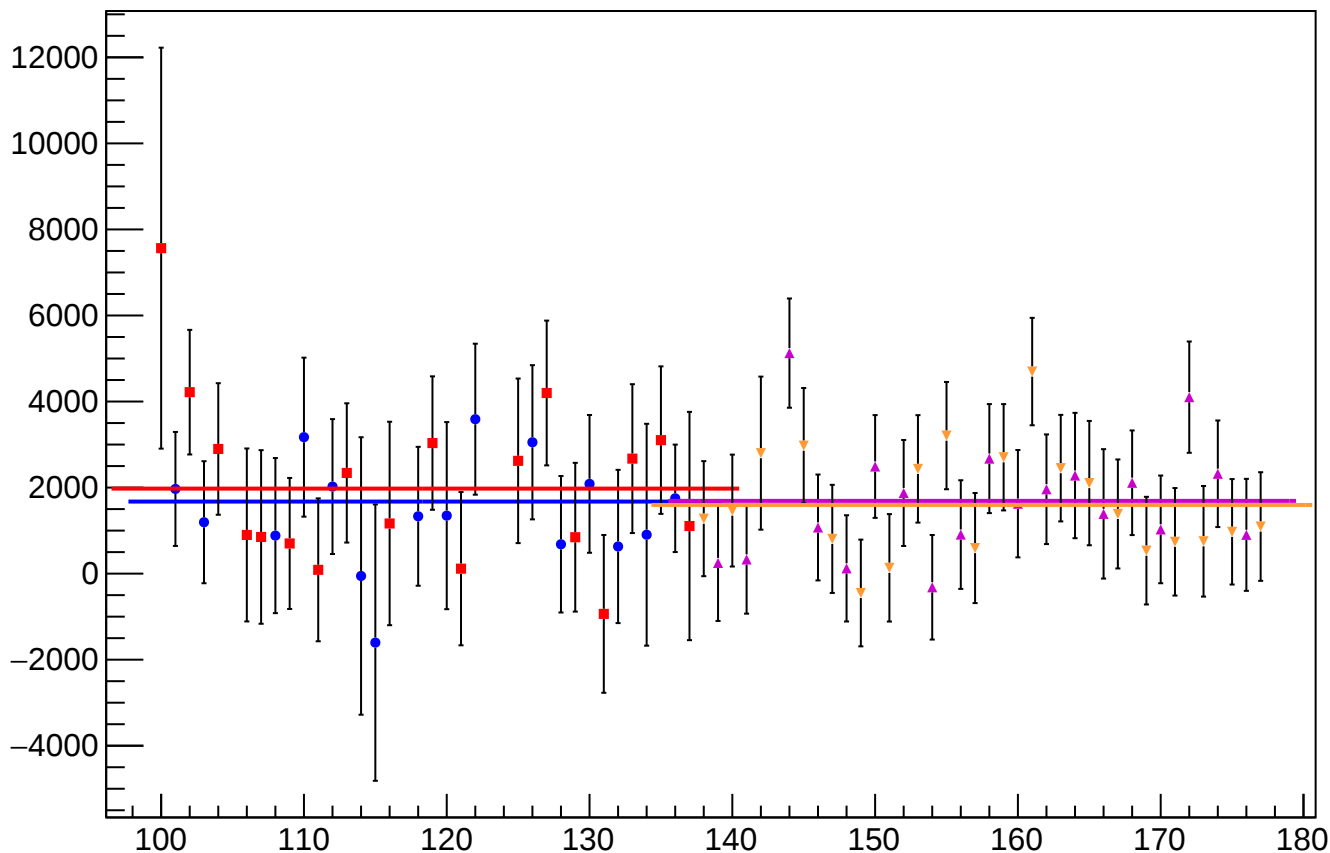
Right: 77.670 $\pm$ 0.015 χ^2 /NDF: 808427.1/33

In: 84.793 $\pm$ 0.013 χ^2 /NDF: 1183141.6/34

Out: 86.234 $\pm$ 0.013 χ^2 /NDF: 1002685.6/37

All: 85.516 $\pm$ 0.009 χ^2 /NDF: 2191858.8/72

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1596.589 $\pm$ 287.800 χ^2 /NDF:18.4/19

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

Left In: 1691.002 $\pm$ 291.957 χ^2 /NDF:20.4/18

Left: 1643.119 $\pm$ 204.959 χ^2 /NDF: 38.9/38

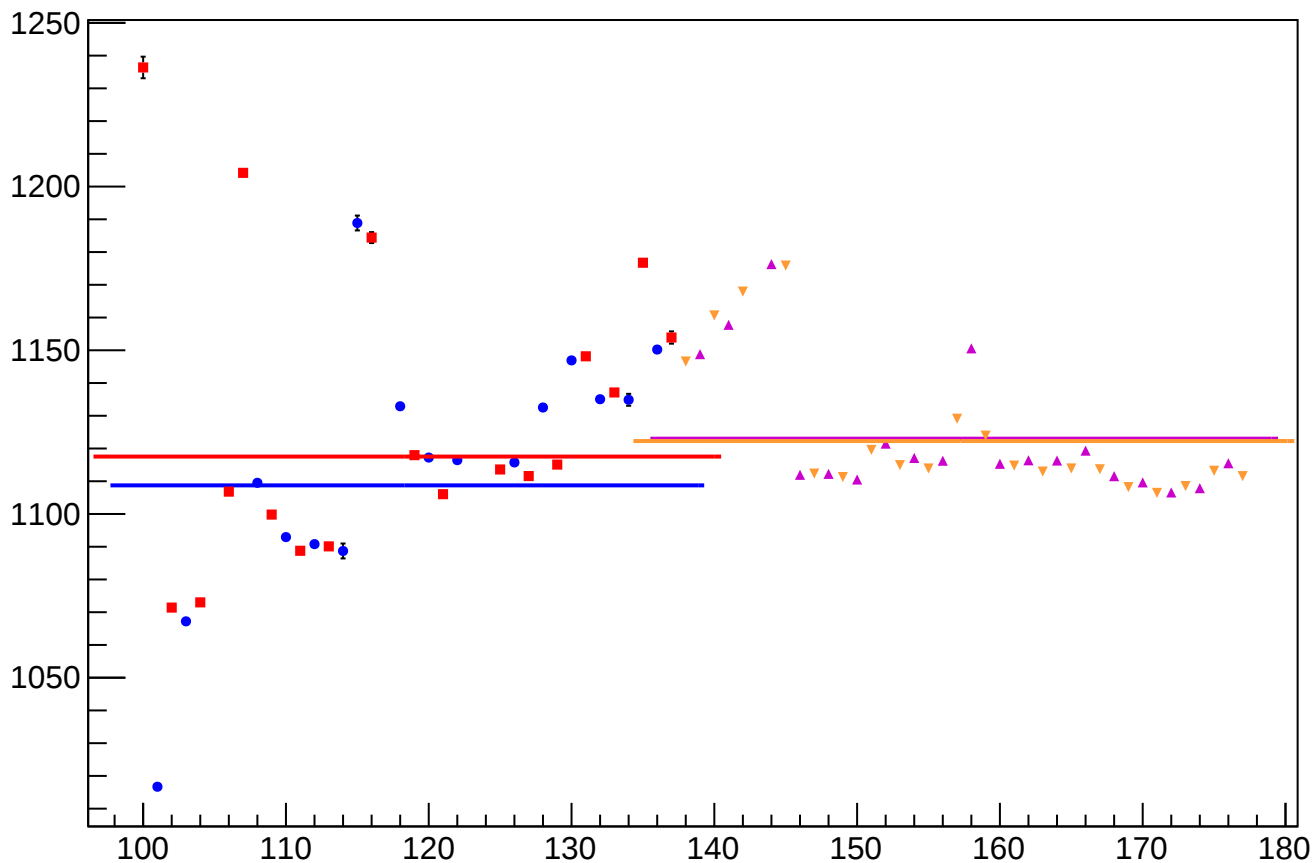
Right: 1828.538 $\pm$ 301.540 χ^2 /NDF: 19.4/33

In: 1685.960 $\pm$ 241.648 χ^2 /NDF:25.6/34

Out: 1716.972 $\pm$ 237.842 χ^2 /NDF:33.0/37

All: 1701.713 $\pm$ 169.509 χ^2 /NDF: 58.6/72

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1122.277 $\pm$ 0.204 χ^2/NDF : 8830.4/19

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

Left In: 1123.000 $\pm$ 0.206 χ^2/NDF : 8646.7/18

Left: 1122.633 $\pm$ 0.145 χ^2/NDF : 17483.3/38

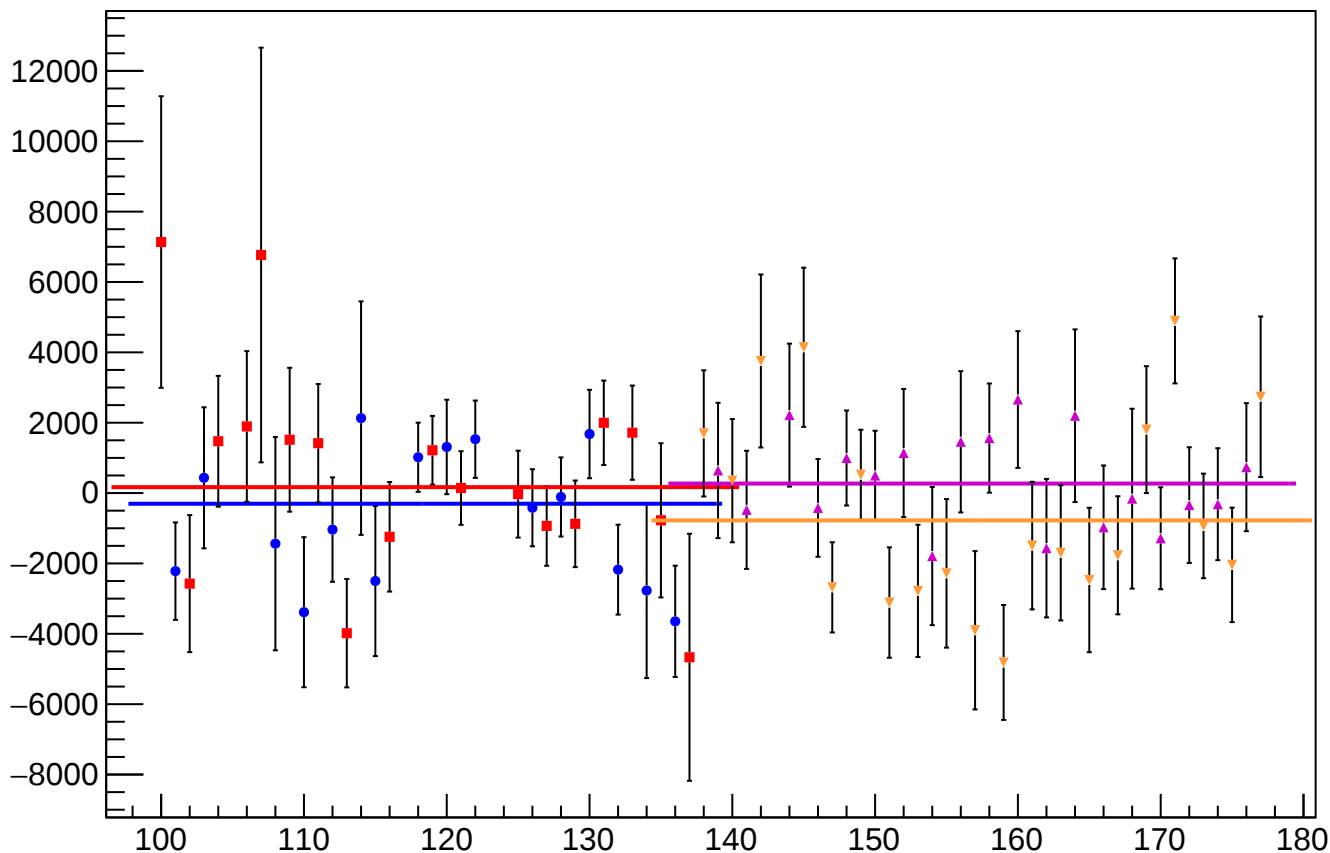
Right: 1113.224 $\pm$ 0.213 χ^2/NDF : 34021.5/33

In: 1118.509 $\pm$ 0.171 χ^2/NDF : 28230.2/34

Out: 1120.775 $\pm$ 0.168 χ^2/NDF : 24517.4/37

All: 1119.660 $\pm$ 0.120 χ^2/NDF : 52837.0/72

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -777.064 $\pm$ 391.680 χ^2/NDF : 42.2/19

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

Left In: 270.539 $\pm$ 392.706 χ^2/NDF : 9.1/18

Left: -254.632 $\pm$ 277.322 χ^2/NDF : 54.9/38

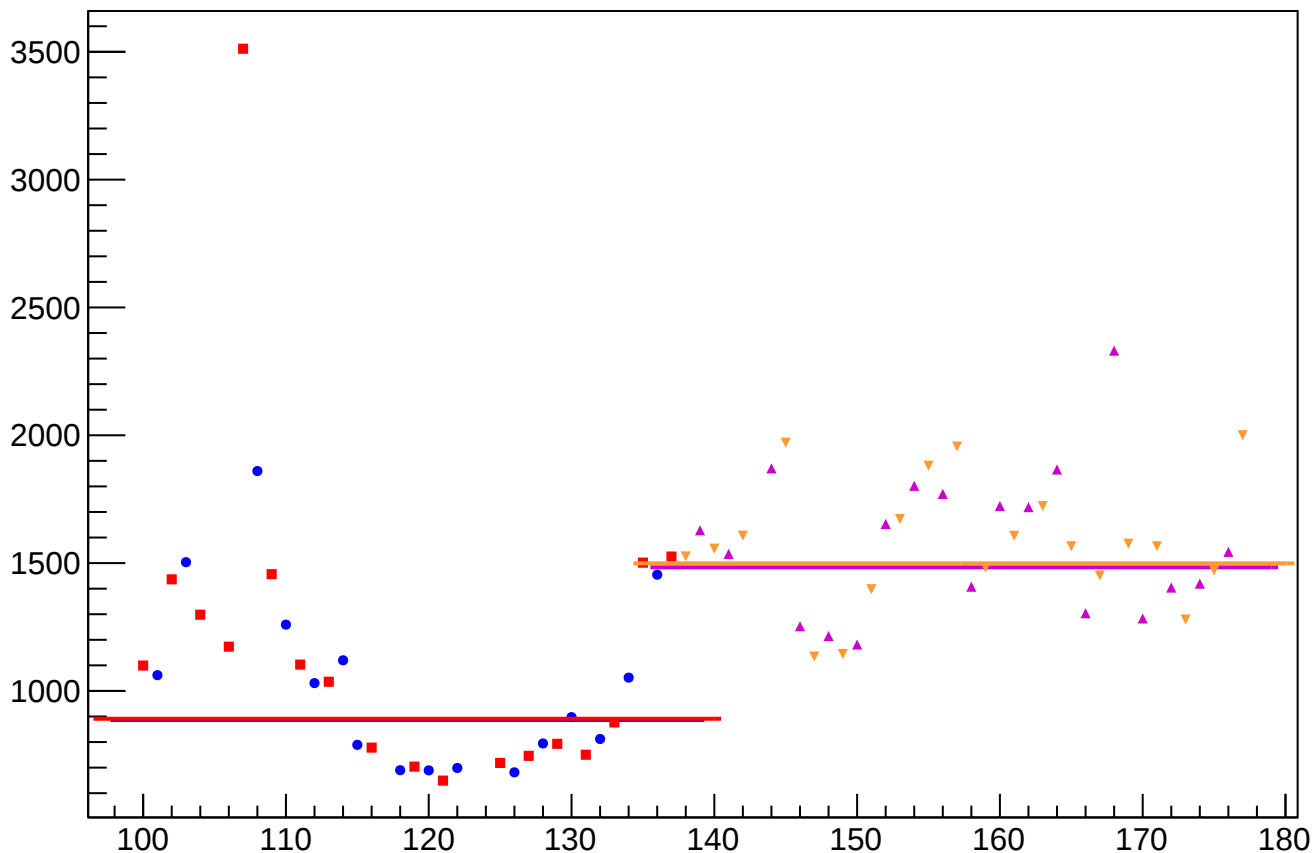
Right: -64.717 $\pm$ 253.241 χ^2/NDF : 48.0/33

In: -41.232 $\pm$ 265.396 χ^2/NDF : 32.6/34

Out: -259.382 $\pm$ 263.539 χ^2/NDF : 70.3/37

All: -151.073 $\pm$ 187.003 χ^2/NDF : 103.2/72

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1498.977+/-0.277 χ^2/NDF : 768031.3/19

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

Left In: 1483.574+/-0.278 χ^2/NDF : 844895.6/18

Left: 1491.296+/-0.196 χ^2/NDF : 1614469.3/38

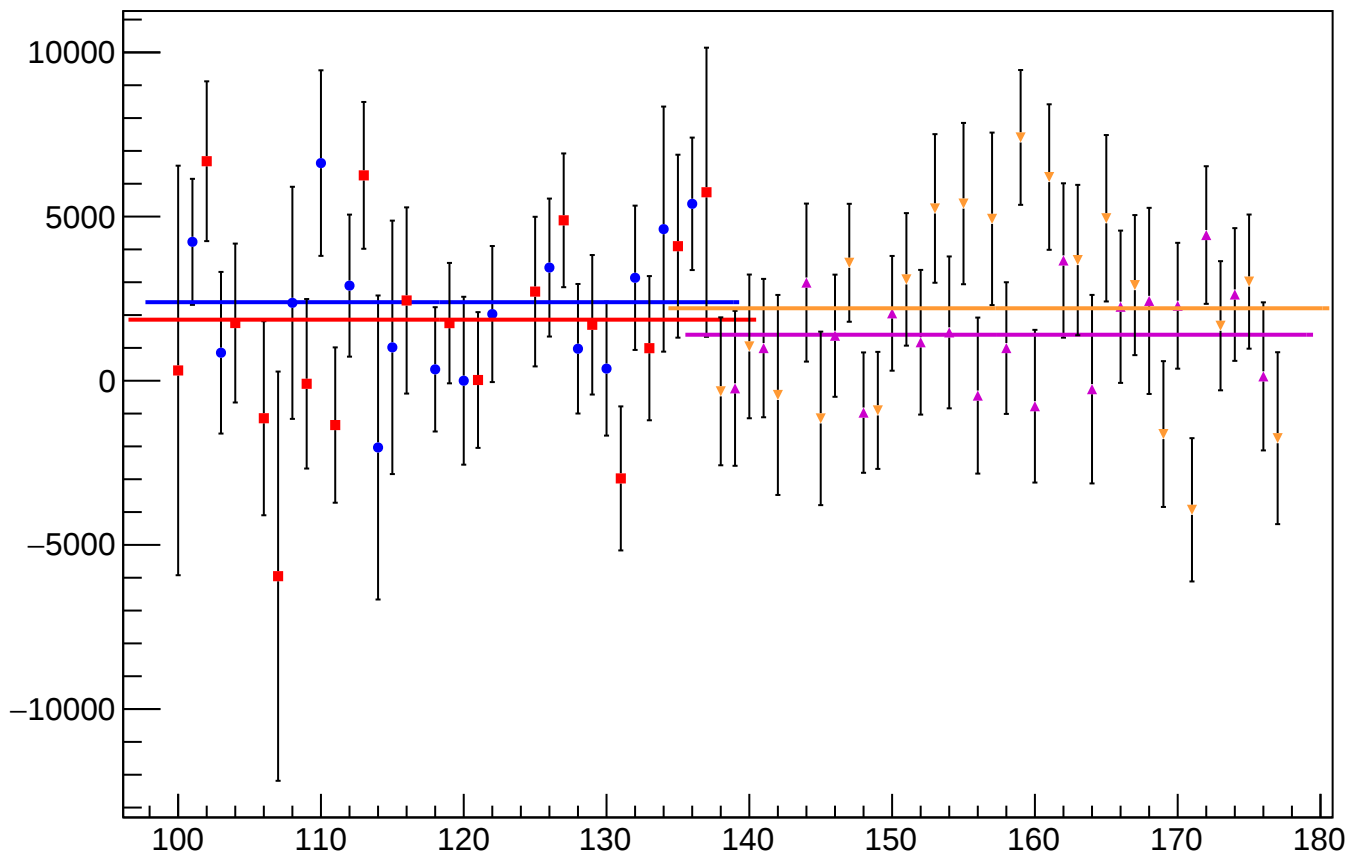
Right: 888.968+/-0.179 χ^2/NDF : 2475210.4/33

In: 1159.302+/-0.188 χ^2/NDF : 4415873.3/34

Out: 1166.349+/-0.186 χ^2/NDF : 4817772.7/37

All: 1162.850+/-0.132 χ^2/NDF : 9234355.9/72

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2207.153 $\pm$ 494.058 χ^2 /NDF:37.1/19

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

Left In: 1400.950 $\pm$ 496.958 χ^2 /NDF:8.8/18

Left: 1806.410 $\pm$ 350.373 χ^2 /NDF: 47.2/38

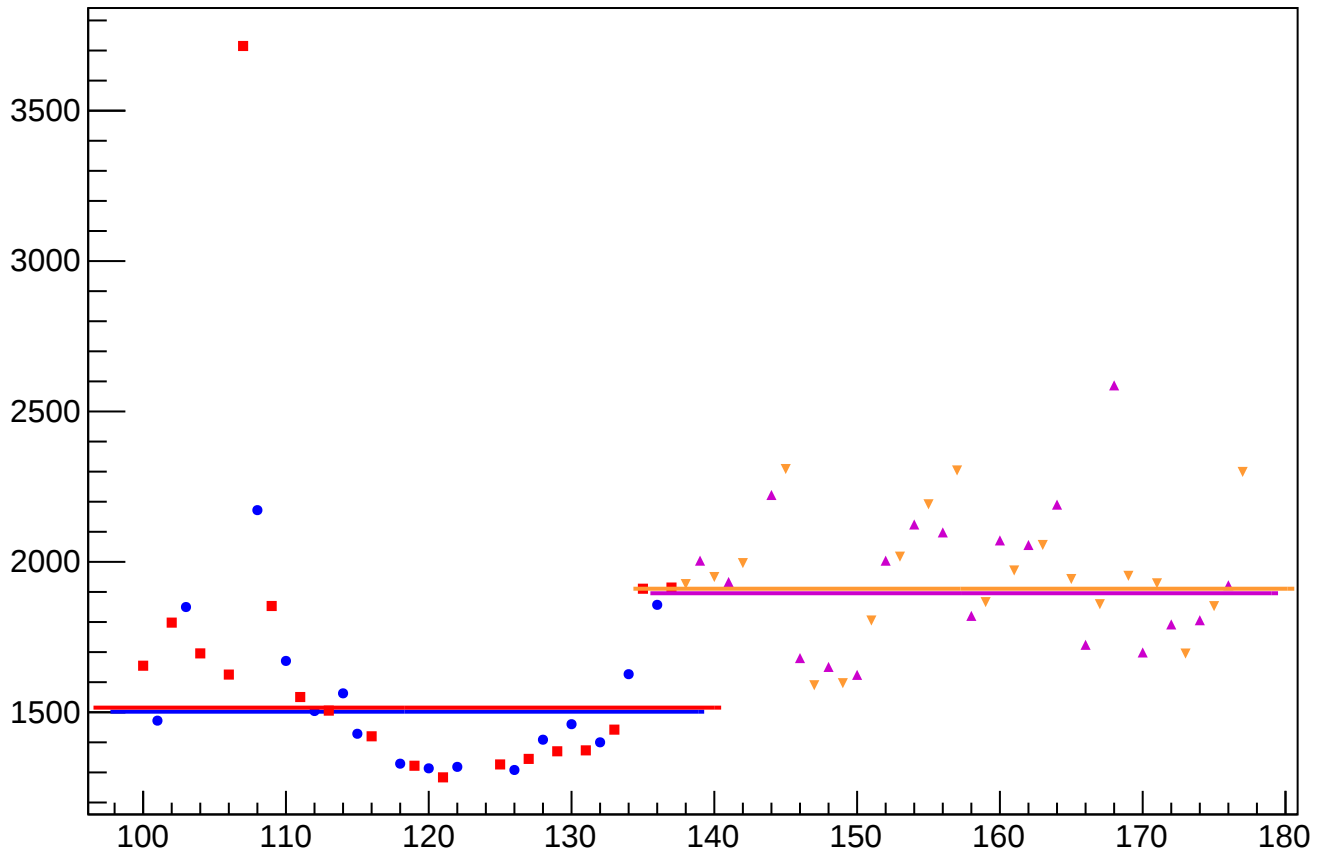
Right: 2123.458 $\pm$ 414.388 χ^2 /NDF: 34.1/33

In: 1813.243 $\pm$ 379.822 χ^2 /NDF:21.6/34

Out: 2062.029 $\pm$ 376.950 χ^2 /NDF:59.8/37

All: 1938.580 $\pm$ 267.553 χ^2 /NDF: 81.6/72

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1910.733 $\pm$ 0.349 χ^2 /NDF: 336918.1/19

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

Left In: 1895.679 $\pm$ 0.351 χ^2 /NDF: 395969.6/18

Left: 1903.250 $\pm$ 0.248 χ^2 /NDF: 733810.6/38

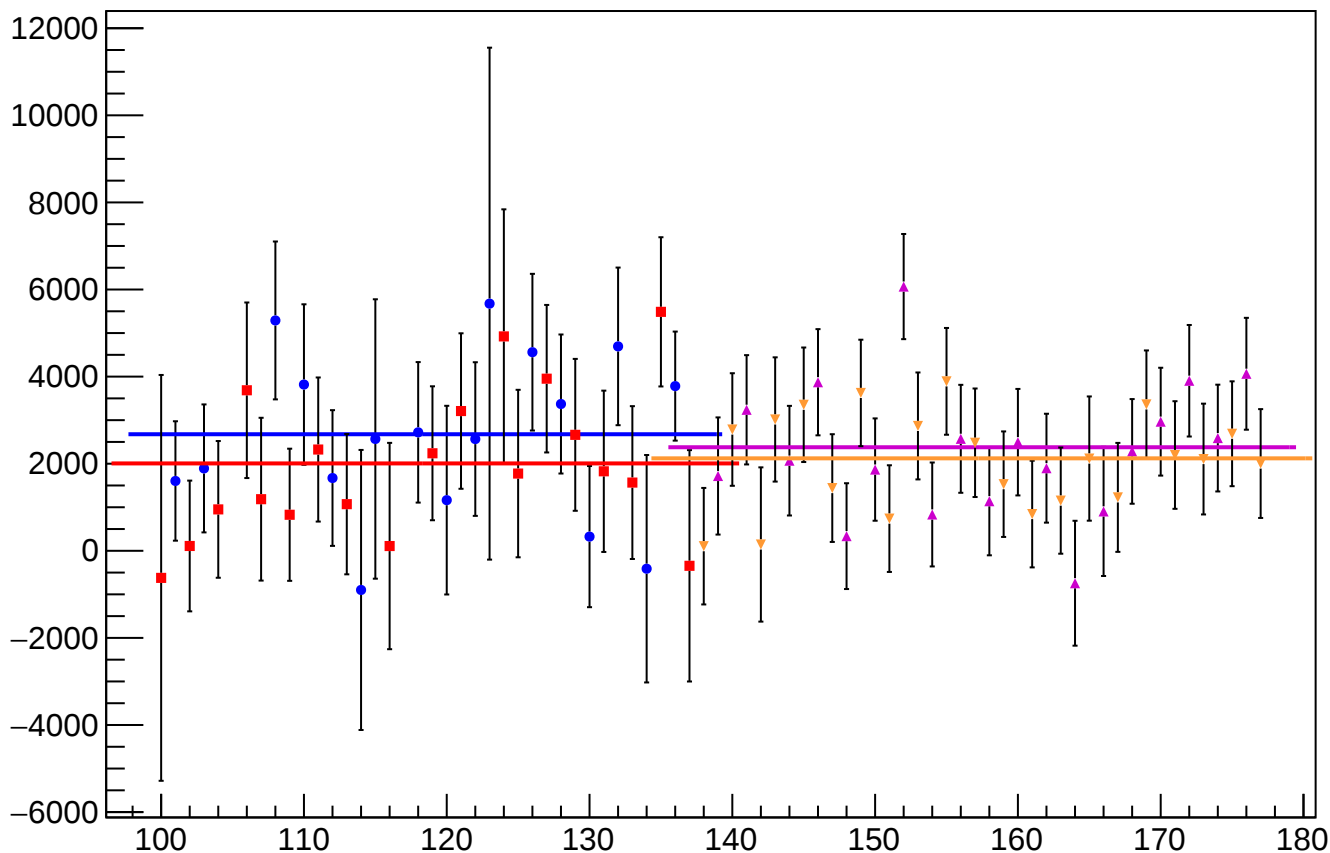
Right: 1508.739 $\pm$ 0.293 χ^2 /NDF: 734837.7/33

In: 1731.939 $\pm$ 0.269 χ^2 /NDF: 1172624.2/34

Out: 1745.533 $\pm$ 0.267 χ^2 /NDF: 1351784.6/37

All: 1738.788 $\pm$ 0.189 χ^2 /NDF: 2525699.3/72

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2123.178+/-278.273 χ^2/NDF : 14.4/20

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

Left In: 2377.927+/-288.008 χ^2/NDF : 26.6/18

Left: 2246.174+/-200.122 χ^2/NDF : 41.4/39

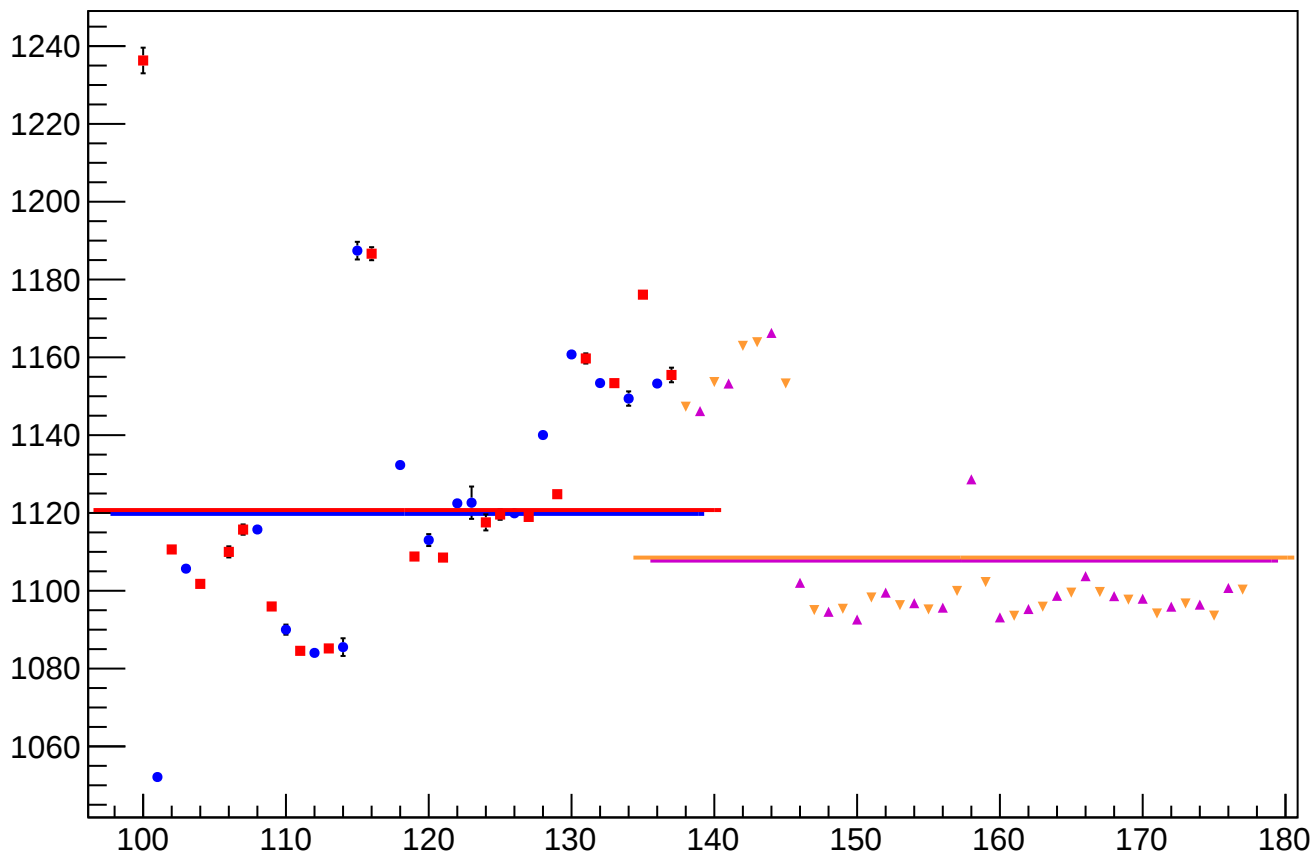
Right: 2330.304+/-301.362 χ^2/NDF : 26.6/35

In: 2469.391+/-239.904 χ^2/NDF : 39.5/35

Out: 2087.509+/-231.835 χ^2/NDF : 27.2/39

All: 2271.920+/-166.712 χ^2/NDF : 68.1/75

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1108.529 $\pm$ 0.197 χ^2 /NDF:14209.8/20

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

Left In: 1107.758 $\pm$ 0.204 χ^2 /NDF:11433.6/18

Left: 1108.157 $\pm$ 0.142 χ^2 /NDF: 25650.9/39

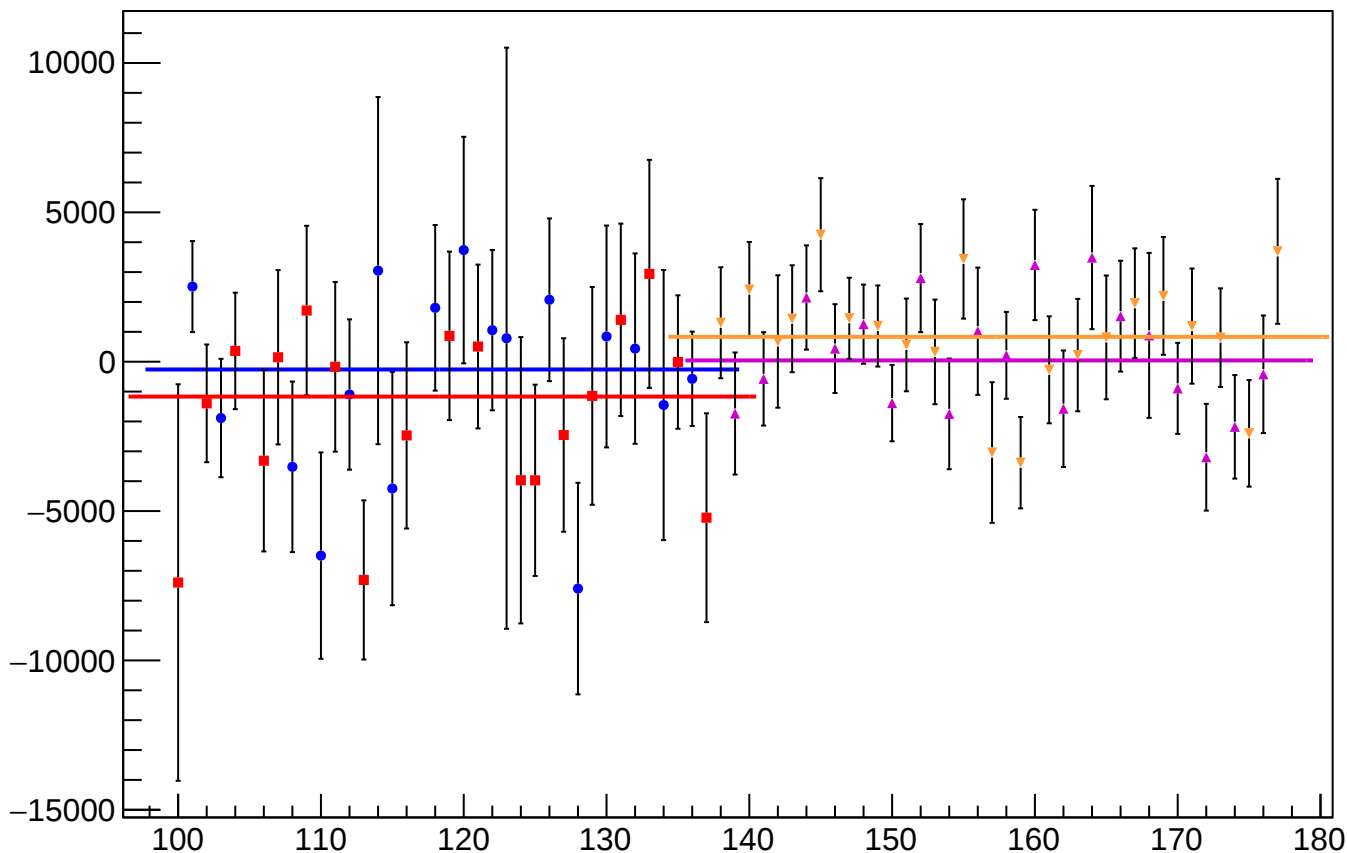
Right: 1120.271 $\pm$ 0.213 χ^2 /NDF: 21816.3/35

In: 1111.433 $\pm$ 0.170 χ^2 /NDF:24374.1/35

Out: 1112.266 $\pm$ 0.164 χ^2 /NDF:25323.2/39

All: 1111.864 $\pm$ 0.118 χ^2 /NDF: 49709.8/75

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 833.023+/-387.386 χ^2/NDF : 22.9/20

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

Left In: 43.147+/-395.628 χ^2/NDF : 19.8/18

Left: 446.399+/-276.791 χ^2/NDF : 44.8/39

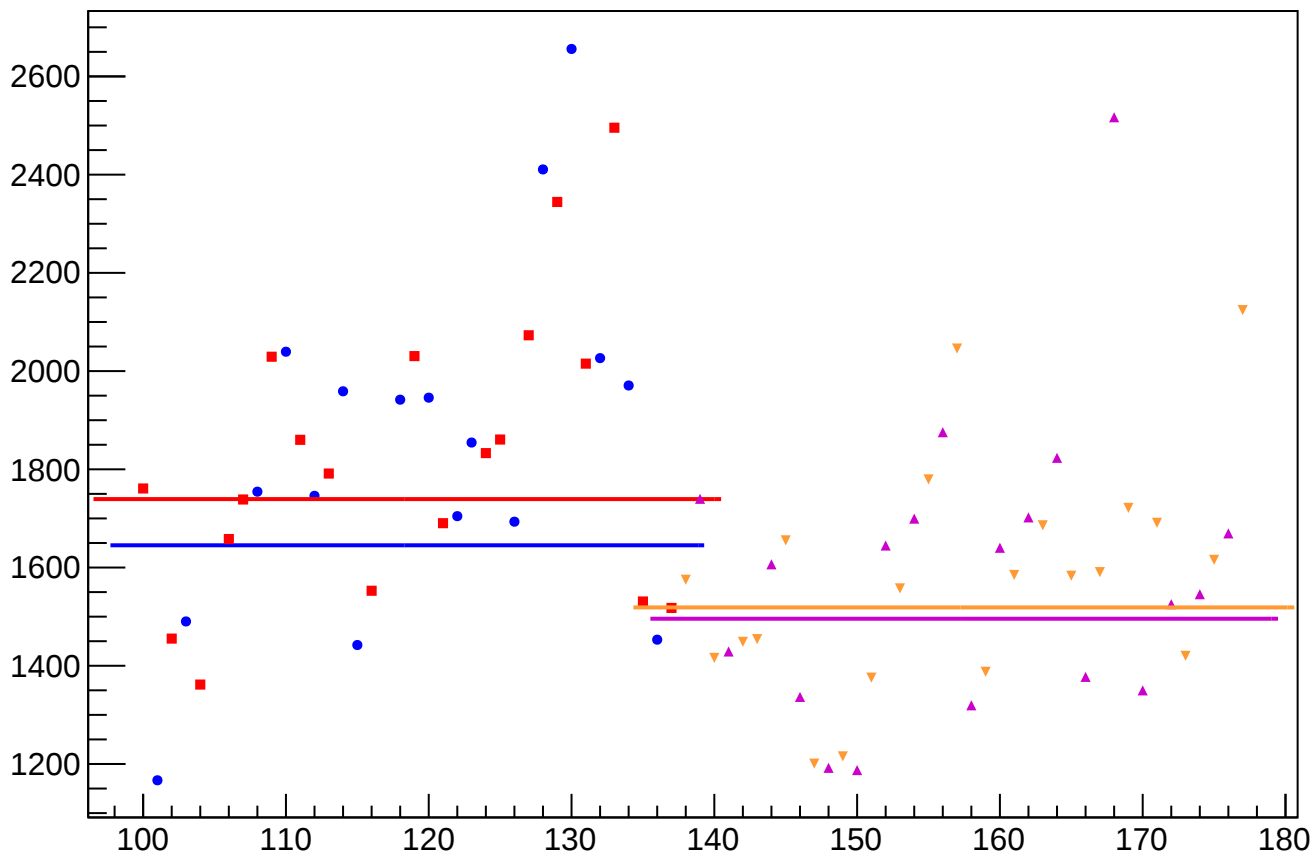
Right: -708.782+/-465.858 χ^2/NDF : 32.6/35

In: -37.789+/-338.686 χ^2/NDF : 37.2/35

Out: 323.193+/-334.402 χ^2/NDF : 44.1/39

All: 144.999+/-237.958 χ^2/NDF : 81.9/75

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1518.788+/-0.274 χ^2/NDF : 599701.8/20

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

Left In: 1495.789+/-0.280 χ^2/NDF : 804972.2/18

Left: 1507.531+/-0.196 χ^2/NDF : 1408124.5/39

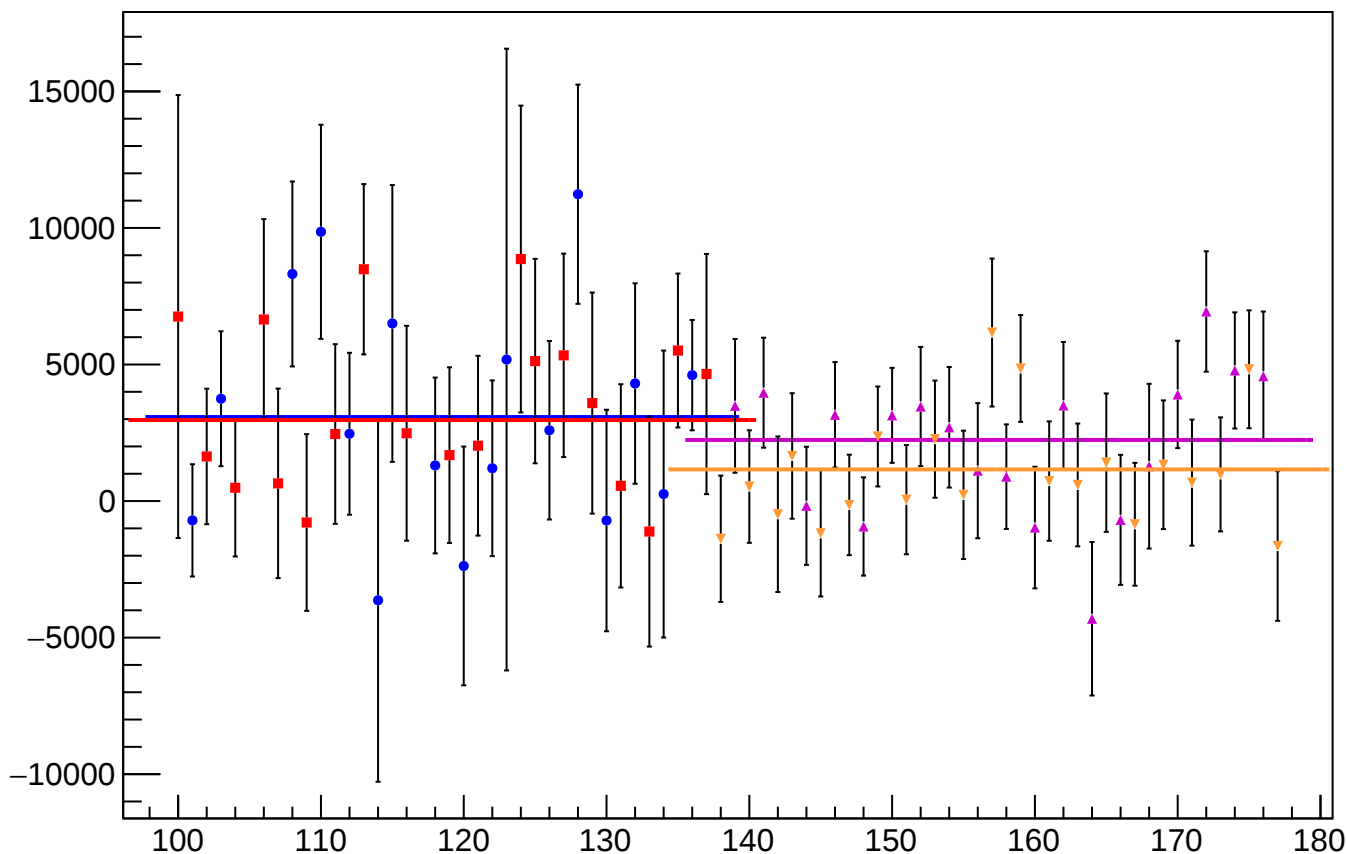
Right: 1691.833+/-0.329 χ^2/NDF : 992315.5/35

In: 1535.732+/-0.239 χ^2/NDF : 1482197.7/35

Out: 1575.003+/-0.236 χ^2/NDF : 1135983.0/39

All: 1555.618+/-0.168 χ^2/NDF : 2631796.7/75

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1159.521 $\pm$ 484.000 χ^2/NDF :16.3/20

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

Left In: 2237.921 $\pm$ 496.835 χ^2/NDF :24.0/18

Left: 1684.612 $\pm$ 346.688 χ^2/NDF : 42.7/39

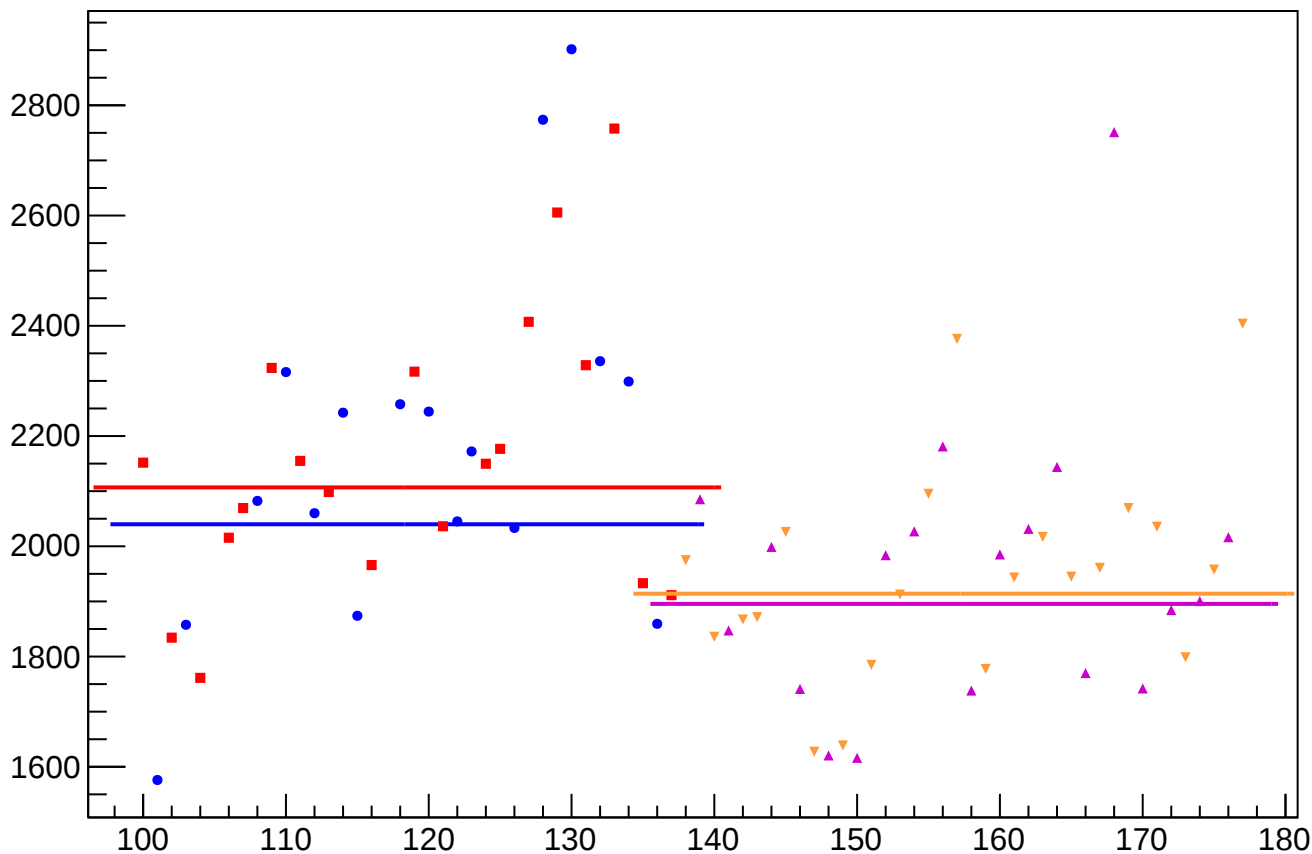
Right: 3021.022 $\pm$ 564.924 χ^2/NDF : 30.5/35

In: 2470.082 $\pm$ 422.393 χ^2/NDF :43.4/35

Out: 1647.864 $\pm$ 413.502 χ^2/NDF :31.9/39

All: 2050.228 $\pm$ 295.483 χ^2/NDF : 77.2/75

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1914.027 $\pm$ 0.342 χ^2 /NDF: 283084.3/20

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

Left In: 1895.510 $\pm$ 0.351 χ^2 /NDF: 389193.8/18

Left: 1905.011 $\pm$ 0.245 χ^2 /NDF: 673703.5/39

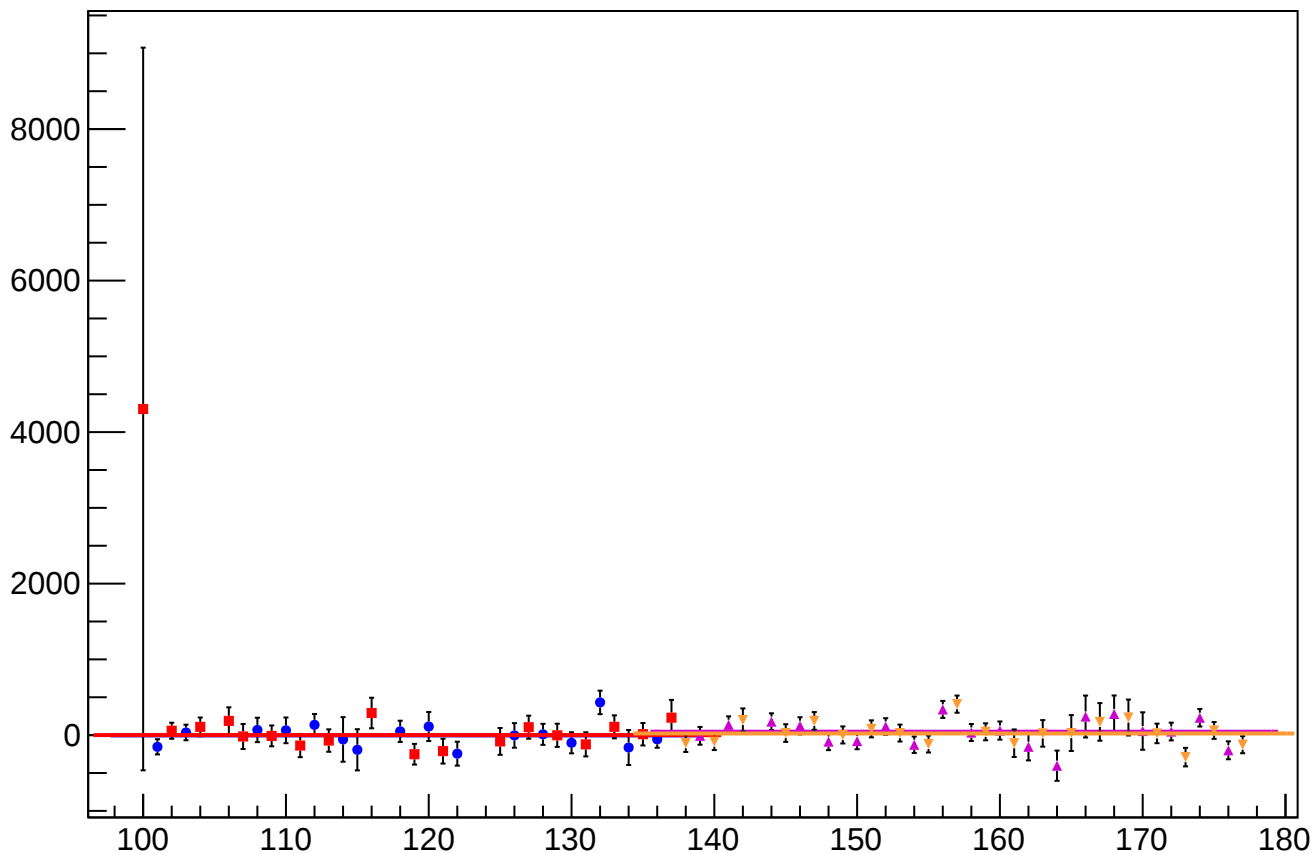
Right: 2073.664 $\pm$ 0.399 χ^2 /NDF: 534442.4/35

In: 1935.549 $\pm$ 0.299 χ^2 /NDF: 768031.8/35

Out: 1966.103 $\pm$ 0.292 χ^2 /NDF: 564257.0/39

All: 1951.151 $\pm$ 0.209 χ^2 /NDF: 1337632.7/75

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 21.818 $\pm$ 28.628 χ^2/NDF : 29.1/19

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

Left In: 45.300 $\pm$ 28.922 χ^2/NDF : 29.8/18

Left: 33.439 $\pm$ 20.346 χ^2/NDF : 59.2/38

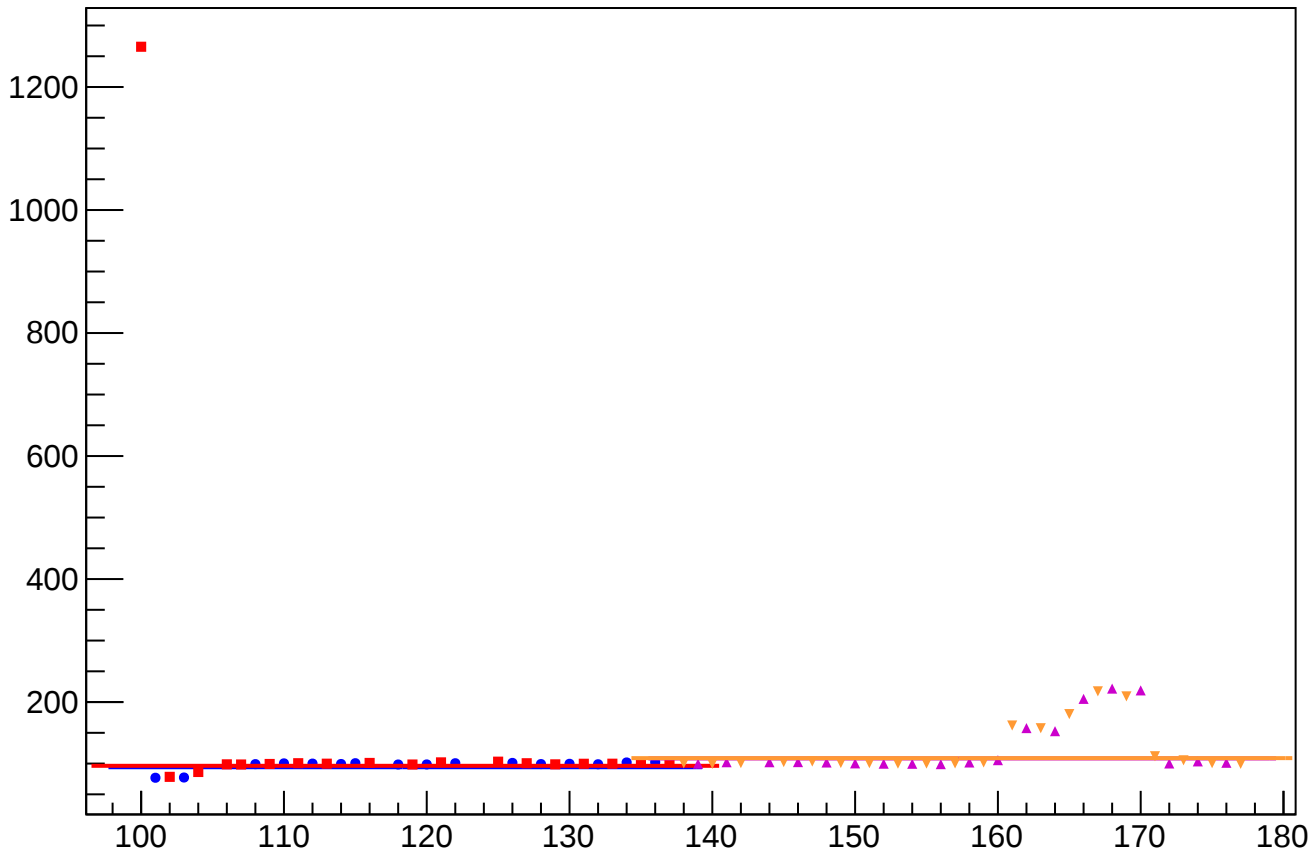
Right: -1.397 $\pm$ 25.955 χ^2/NDF : 30.1/33

In: 26.696 $\pm$ 22.719 χ^2/NDF : 47.1/34

Out: 13.748 $\pm$ 22.573 χ^2/NDF : 43.2/37

All: 20.180 $\pm$ 16.013 χ^2/NDF : 90.4/72

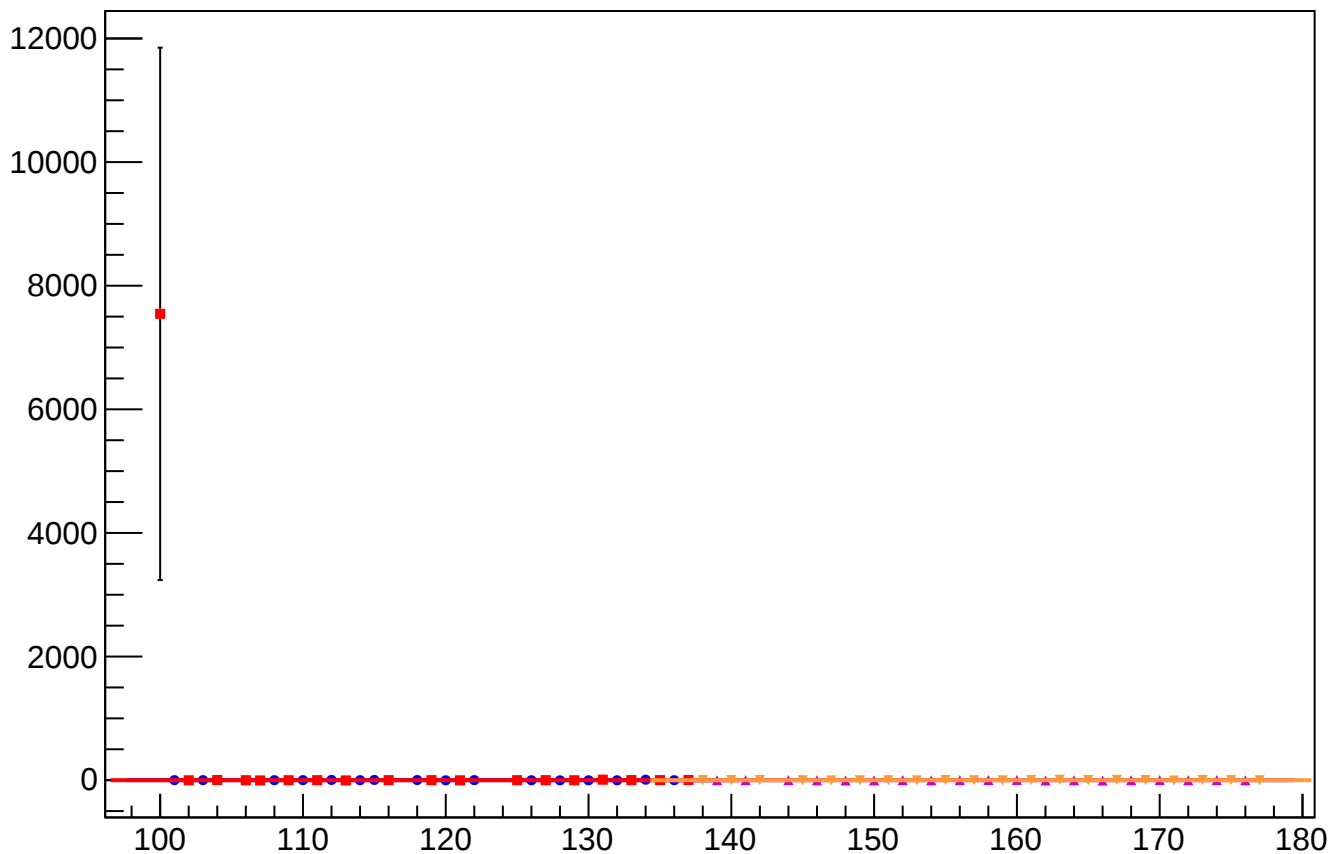
reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.068+/-0.026 χ^2/NDF : 152285.6/15
 Left Out: 108.854+/-0.020 χ^2/NDF :1383110.2/19
 Right Out: 96.372+/-0.026 χ^2/NDF : 209228.5/17
 Left In: 108.351+/-0.020 χ^2/NDF :1441708.1/18

Left: 108.605+/-0.014 χ^2/NDF : 2825123.7/38
 Right: 95.221+/-0.018 χ^2/NDF : 365453.7/33
 In: 102.882+/-0.016 χ^2/NDF :1780764.9/34
 Out: 104.132+/-0.016 χ^2/NDF :1736161.6/37
 All: 103.511+/-0.011 χ^2/NDF : 3519973.8/72

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.443+/-0.510 χ^2/NDF : 27.2/19

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

Left In: -0.014+/-0.531 χ^2/NDF : 22.3/18

Left: -0.238+/-0.368 χ^2/NDF : 49.8/38

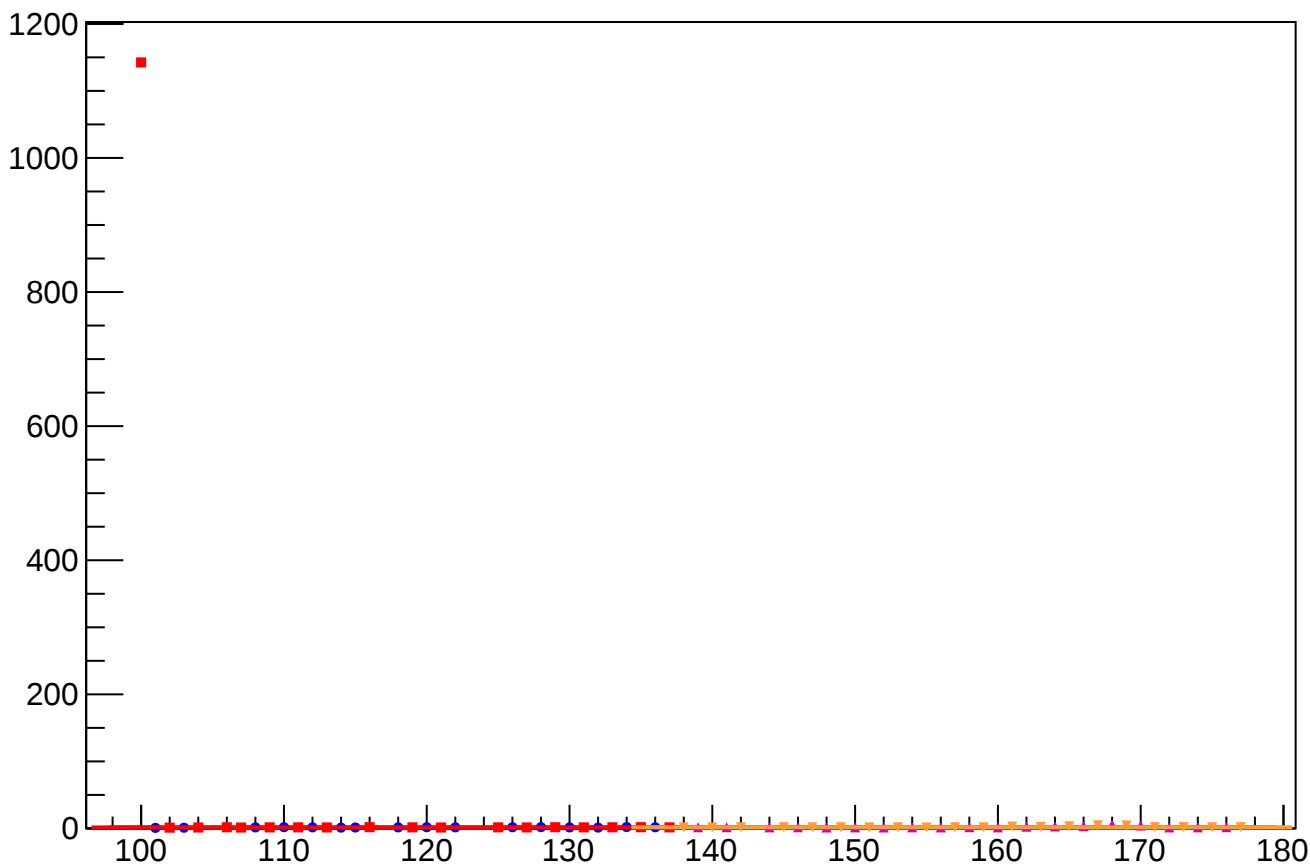
Right: 0.073+/-0.445 χ^2/NDF : 33.2/33

In: 0.174+/-0.402 χ^2/NDF : 32.3/34

Out: -0.393+/-0.399 χ^2/NDF : 50.0/37

All: -0.112+/-0.283 χ^2/NDF : 83.3/72

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.750+/-0.000 χ^2/NDF :1488274.0/19

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

Left In: 1.813+/-0.000 χ^2/NDF :1797606.9/18

Left: 1.780+/-0.000 χ^2/NDF : 3300386.5/38

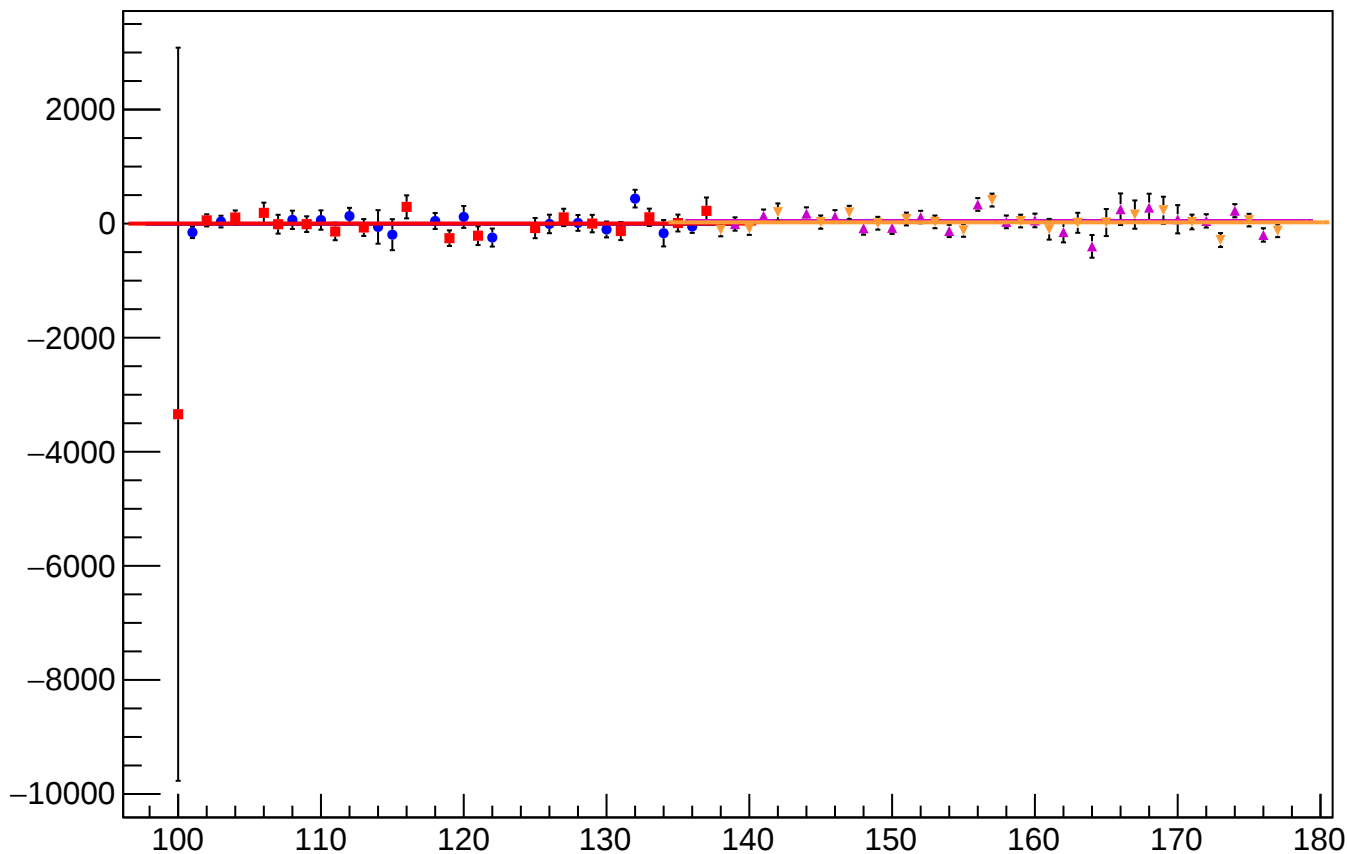
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

In: 1.645+/-0.000 χ^2/NDF :2995973.6/34

Out: 1.675+/-0.000 χ^2/NDF :1916513.2/37

All: 1.660+/-0.000 χ^2/NDF : 4918067.5/72

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 22.723+/-28.637 χ^2/NDF : 29.3/19

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

Left In: 45.451+/-28.931 χ^2/NDF : 29.2/18

Left: 33.971+/-20.352 χ^2/NDF : 58.9/38

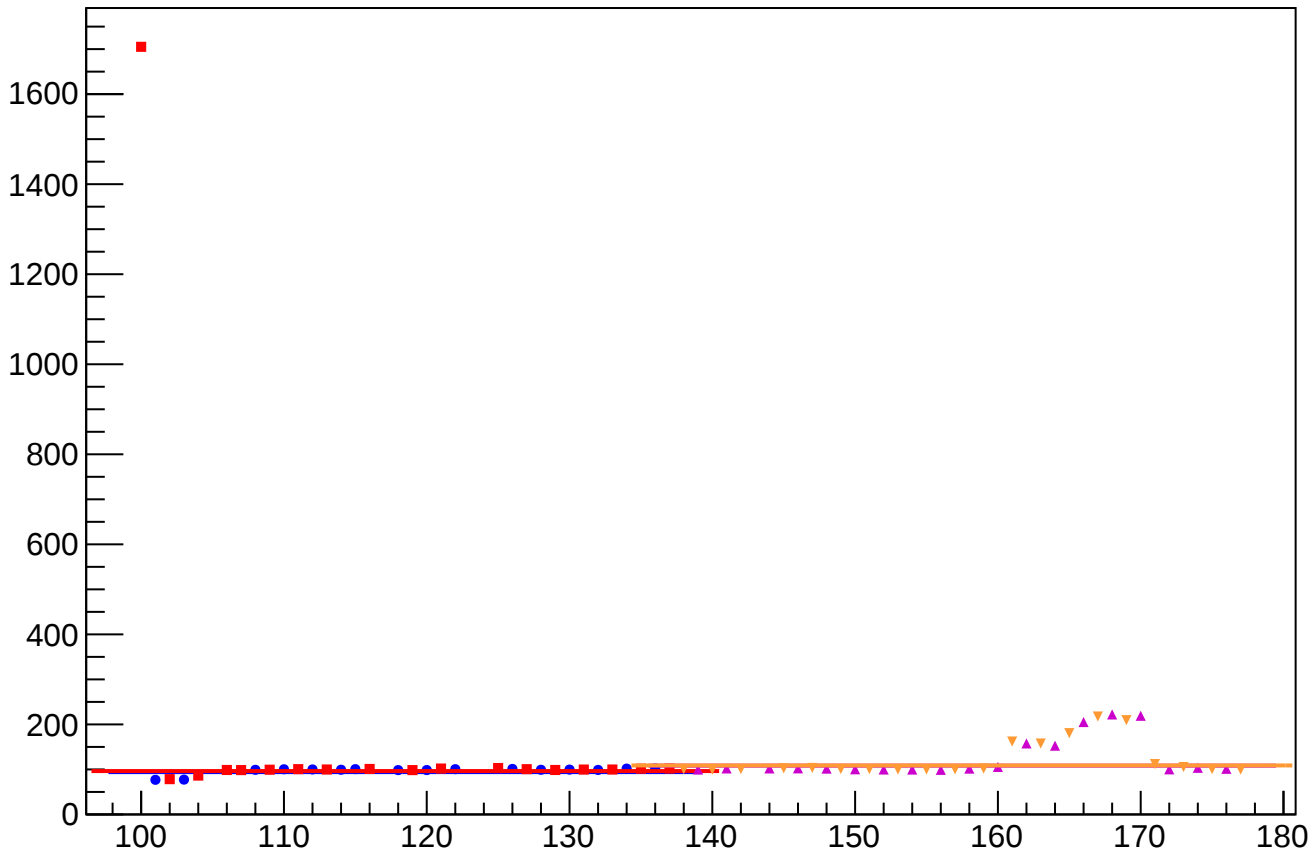
Right: -1.463+/-25.962 χ^2/NDF : 29.8/33

In: 26.858+/-22.726 χ^2/NDF : 46.6/34

Out: 14.192+/-22.579 χ^2/NDF : 43.1/37

All: 20.484+/-16.017 χ^2/NDF : 89.8/72

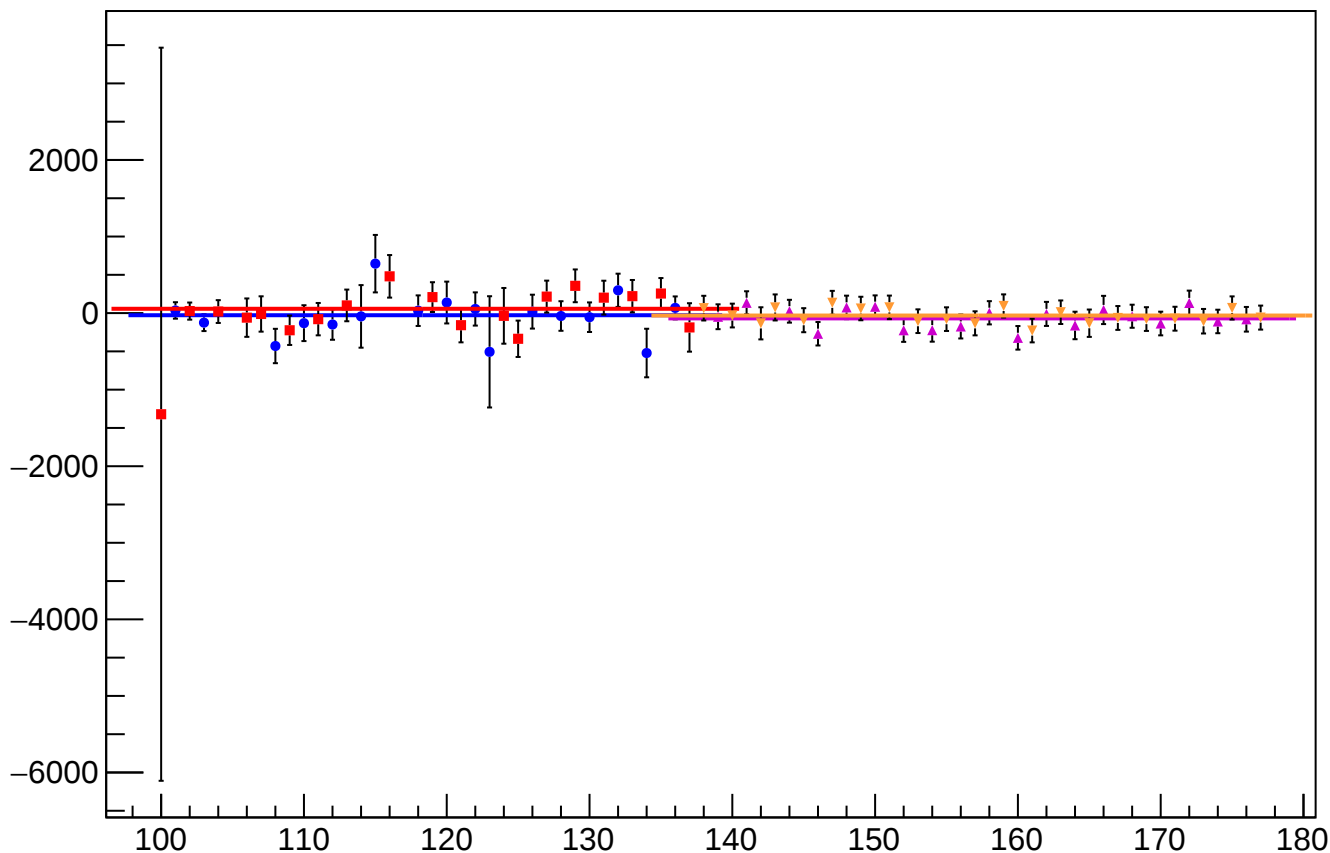
asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.093+/-0.026 χ^2/NDF : 152305.3/15
 Left Out: 108.883+/-0.020 χ^2/NDF : 1384435.6/19
 Right Out: 96.381+/-0.026 χ^2/NDF : 214362.3/17
 Left In: 108.381+/-0.020 χ^2/NDF : 1442954.3/18

Left: 108.635+/-0.014 χ^2/NDF : 2827694.5/38
 Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33
 In: 102.909+/-0.016 χ^2/NDF : 1782083.7/34
 Out: 104.153+/-0.016 χ^2/NDF : 1743026.1/37
 All: 103.535+/-0.011 χ^2/NDF : 3528126.3/72

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -31.857 ± 34.611 $\chi^2/\text{NDF}: 7.4/20$

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

Left In: -69.273 ± 35.856 $\chi^2/\text{NDF}: 14.0/18$

Left: -49.904 ± 24.902 $\chi^2/\text{NDF}: 22.0/39$

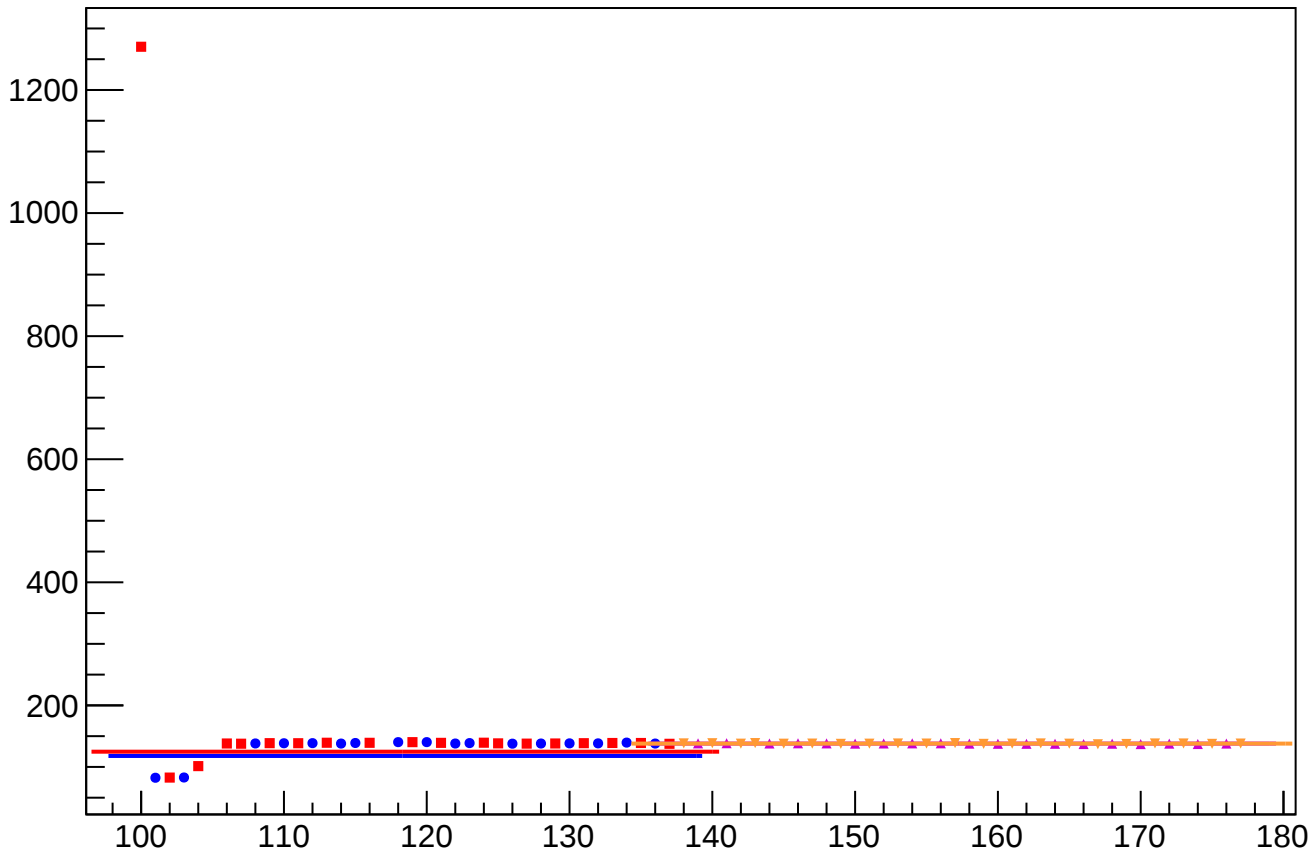
Right: 13.449 ± 33.401 $\chi^2/\text{NDF}: 30.8/35$

In: -53.938 ± 28.457 $\chi^2/\text{NDF}: 28.8/35$

Out: -1.424 ± 28.015 $\chi^2/\text{NDF}: 24.6/39$

All: -27.270 ± 19.964 $\chi^2/\text{NDF}: 55.1/75$

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.902 $\pm$ 0.024 χ^2 /NDF:345.4/20

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

Left In: 137.931 $\pm$ 0.025 χ^2 /NDF:263.0/18

Left: 137.916 $\pm$ 0.018 χ^2 /NDF: 609.1/39

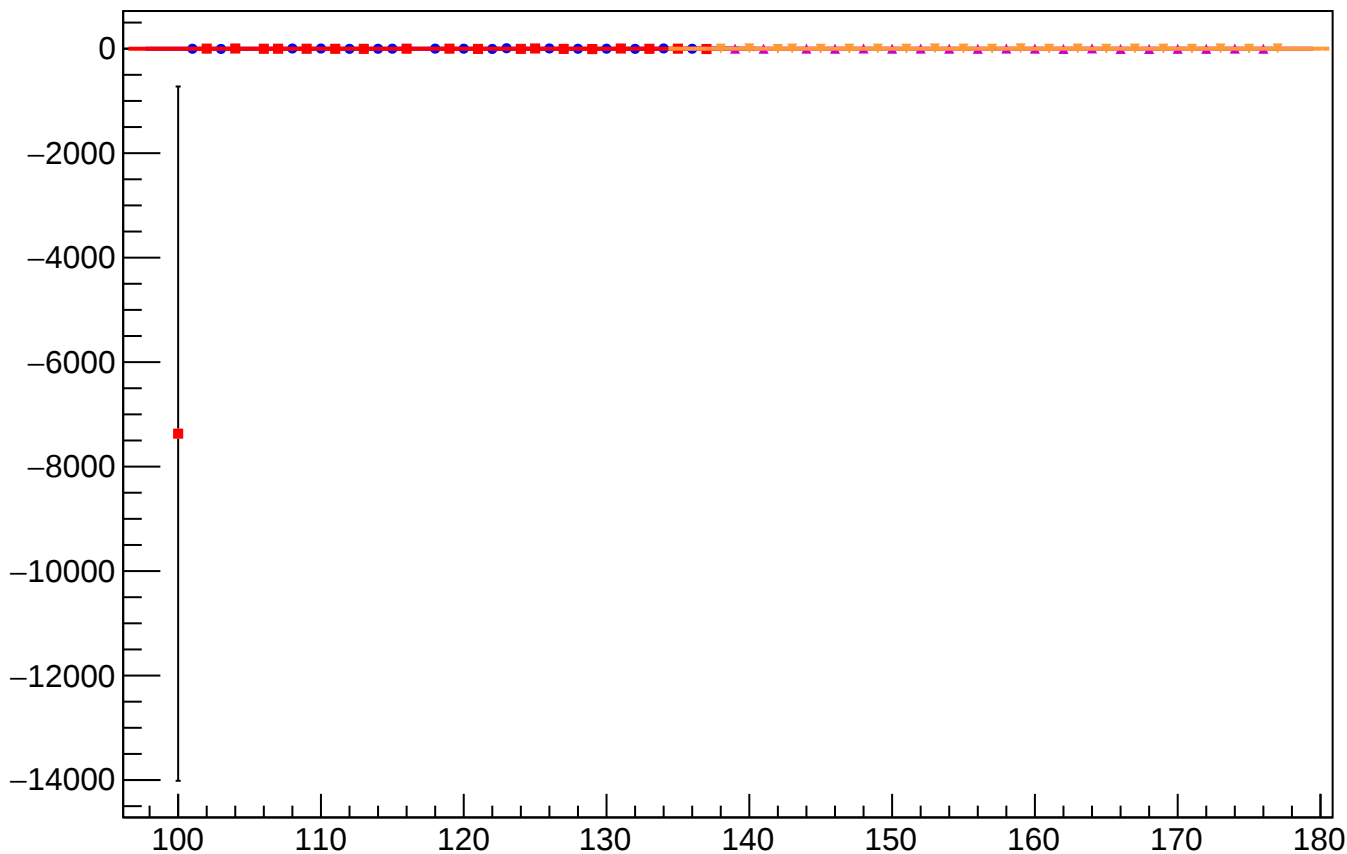
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

In: 130.486 $\pm$ 0.020 χ^2 /NDF:899817.5/35

Out: 133.372 $\pm$ 0.020 χ^2 /NDF:669502.4/39

All: 131.951 $\pm$ 0.014 χ^2 /NDF: 1579767.2/75

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.486 ± 0.607 χ^2/NDF : 26.5/20

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

Left In: 0.538 ± 0.631 χ^2/NDF : 17.2/18

Left: 0.511 ± 0.437 χ^2/NDF : 43.7/39

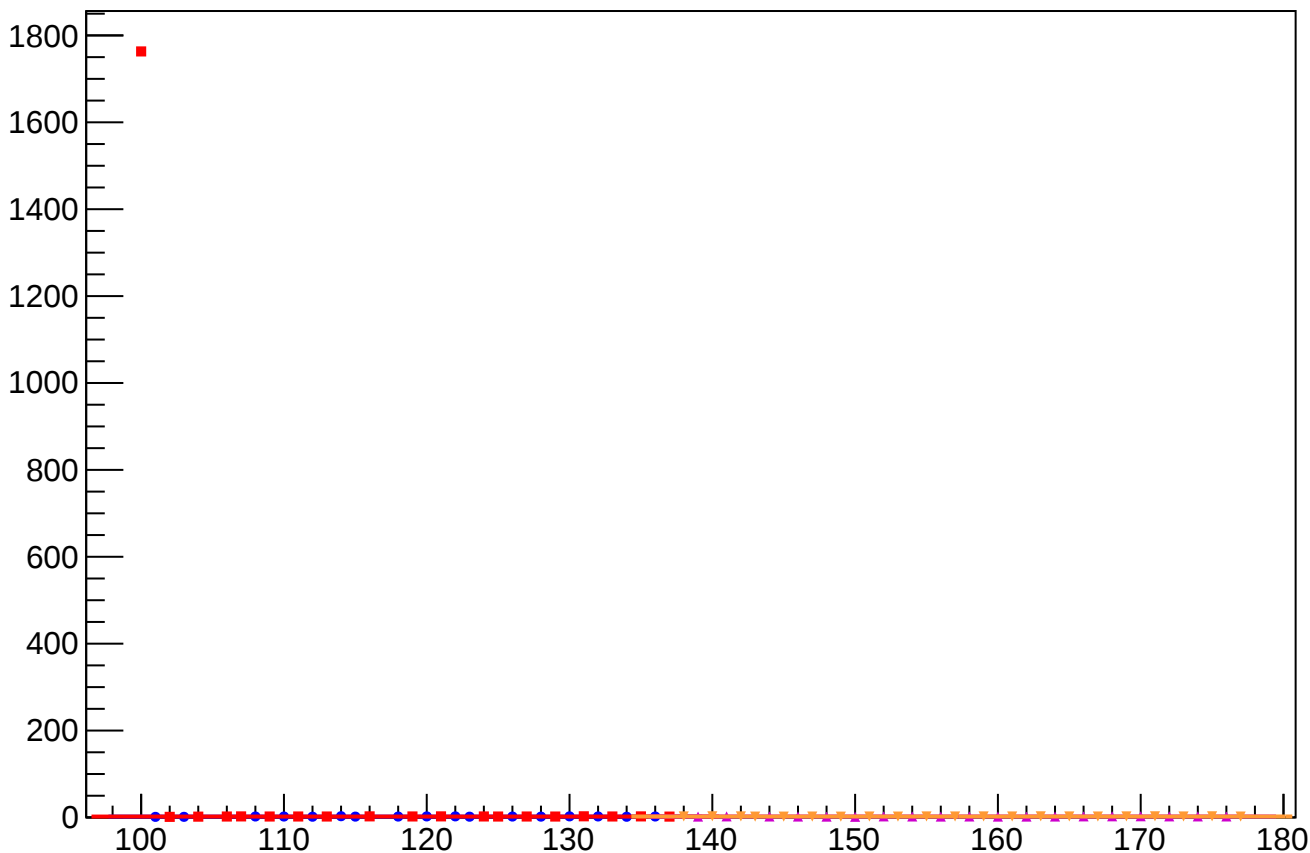
Right: -0.673 ± 0.587 χ^2/NDF : 26.3/35

In: 0.073 ± 0.498 χ^2/NDF : 31.3/35

Out: 0.103 ± 0.494 χ^2/NDF : 41.3/39

All: 0.088 ± 0.351 χ^2/NDF : 72.6/75

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.220+/-0.000 χ^2/NDF : 299499.4/20

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

Left In: 2.195+/-0.000 χ^2/NDF : 488753.8/18

Left: 2.208+/-0.000 χ^2/NDF : 789940.0/39

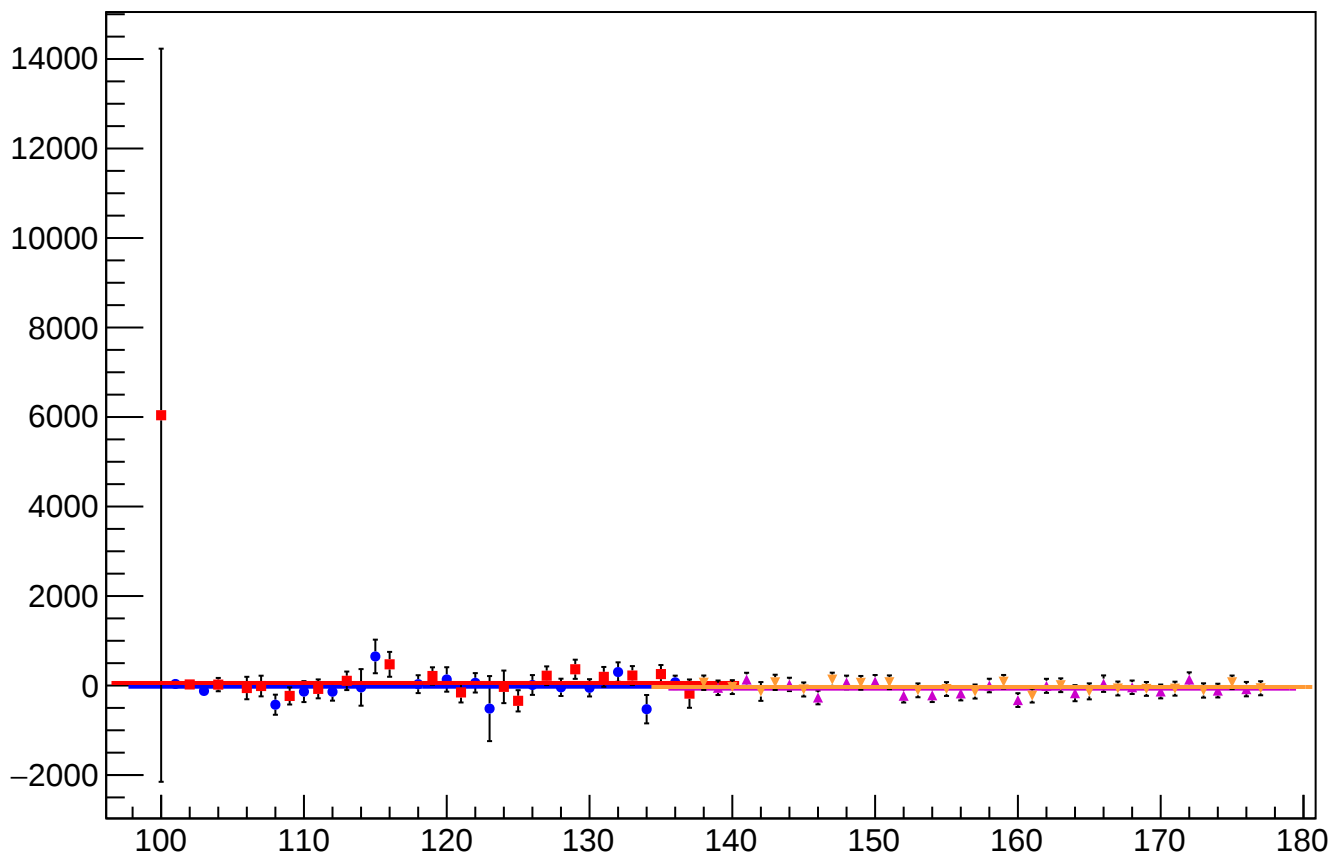
Right: 1.962+/-0.000 χ^2/NDF : 1074296.8/35

In: 2.072+/-0.000 χ^2/NDF : 1183410.6/35

Out: 2.168+/-0.000 χ^2/NDF : 869147.2/39

All: 2.120+/-0.000 χ^2/NDF : 2090056.6/75

asym_dsr_mean vs Slug, Sign Corrected



Right In: -26.258 $\pm$ 46.789 χ^2/NDF : 14.4/16

Left Out: -32.471 $\pm$ 34.620 χ^2/NDF : 7.2/20

Right Out: 57.268 $\pm$ 47.722 χ^2/NDF : 15.5/18

Left In: -69.540 $\pm$ 35.866 χ^2/NDF : 14.1/18

Left: -50.351 $\pm$ 24.909 χ^2/NDF : 21.8/39

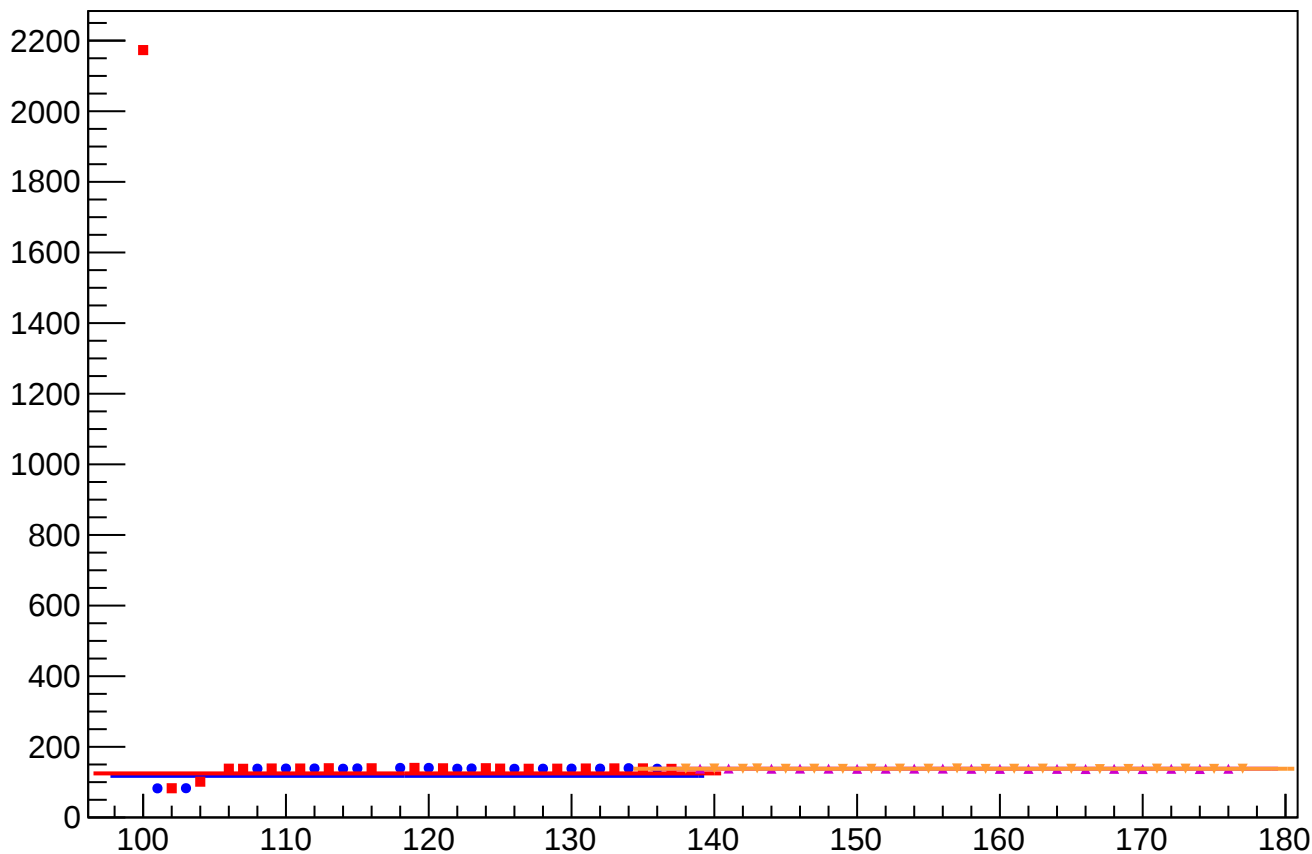
Right: 14.681 $\pm$ 33.410 χ^2/NDF : 31.4/35

In: -53.521 $\pm$ 28.465 χ^2/NDF : 29.0/35

Out: -1.528 $\pm$ 28.023 χ^2/NDF : 25.1/39

All: -27.117 $\pm$ 19.970 χ^2/NDF : 55.7/75

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.940 $\pm$ 0.024 χ^2 /NDF: 344.8/20

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

Left In: 137.969 $\pm$ 0.025 χ^2 /NDF: 259.8/18

Left: 137.954 $\pm$ 0.018 χ^2 /NDF: 605.2/39

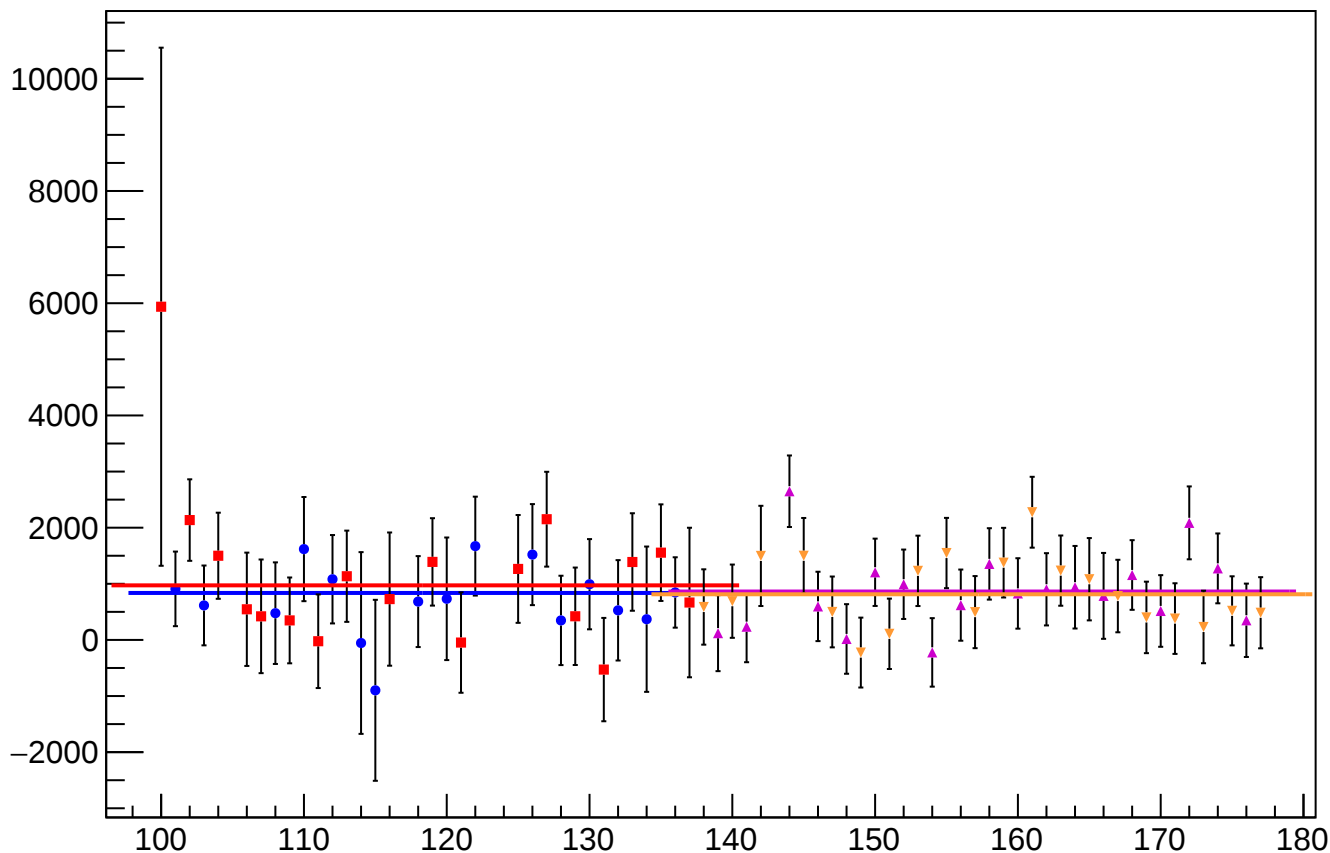
Right: 121.231 $\pm$ 0.024 χ^2 /NDF: 1268326.7/35

In: 130.522 $\pm$ 0.020 χ^2 /NDF: 899890.2/35

Out: 133.393 $\pm$ 0.020 χ^2 /NDF: 680755.3/39

All: 131.980 $\pm$ 0.014 χ^2 /NDF: 1590976.4/75

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 813.667 $\pm$ 144.939 χ^2 /NDF: 17.1/19

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

Left In: 862.635 $\pm$ 147.044 χ^2 /NDF: 21.5/18

Left: 837.798 $\pm$ 103.224 χ^2 /NDF: 38.7/38

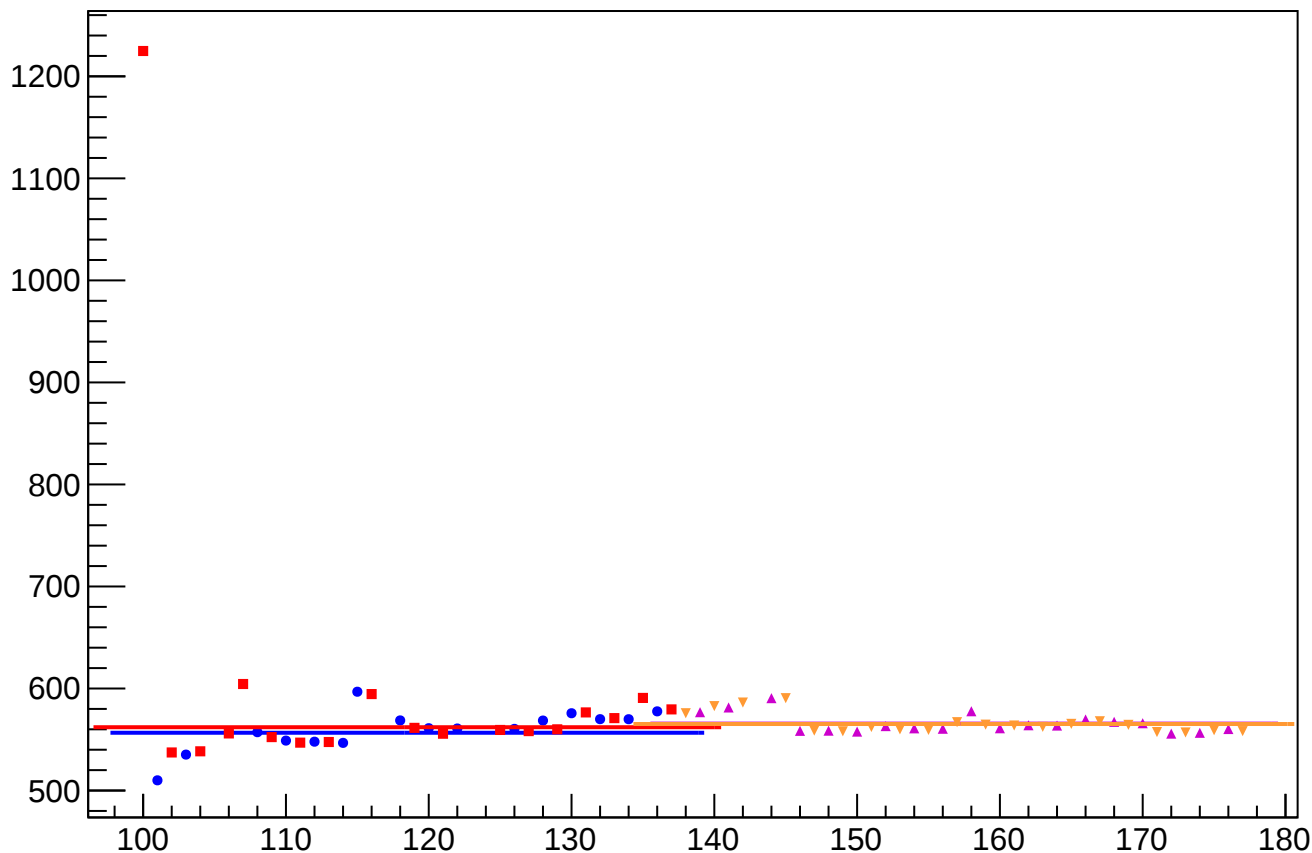
Right: 905.821 $\pm$ 151.634 χ^2 /NDF: 19.2/33

In: 854.541 $\pm$ 121.584 χ^2 /NDF: 26.2/34

Out: 863.994 $\pm$ 119.783 χ^2 /NDF: 31.8/37

All: 859.338 $\pm$ 85.329 χ^2 /NDF: 58.0/72

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 565.201 ± 0.102 χ^2/NDF : 7891.4/19

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

Left In: 565.606 ± 0.104 χ^2/NDF : 7920.7/18

Left: 565.400 ± 0.073 χ^2/NDF : 15819.8/38

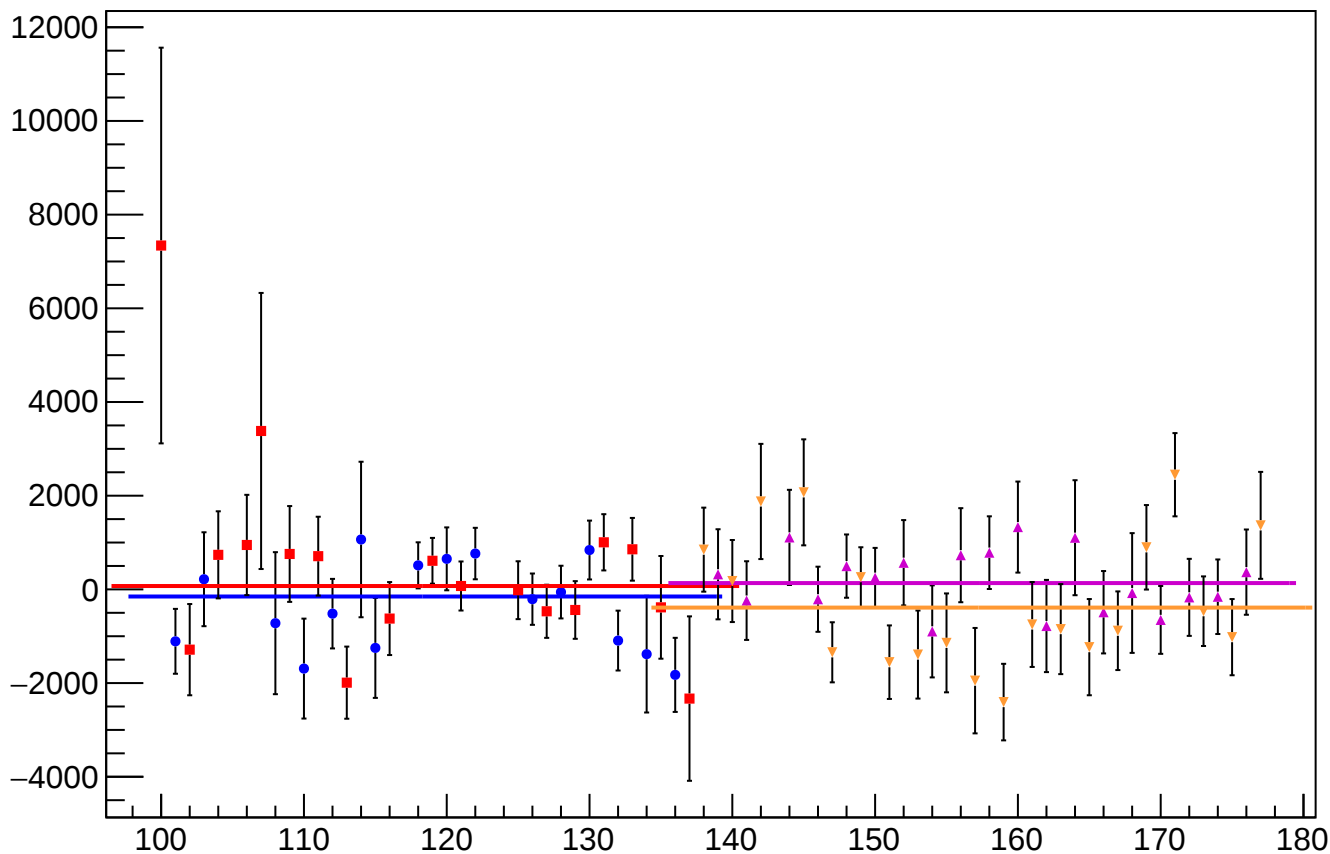
Right: 559.386 ± 0.107 χ^2/NDF : 74603.5/33

In: 562.769 ± 0.086 χ^2/NDF : 28665.8/34

Out: 564.201 ± 0.085 χ^2/NDF : 63766.6/37

All: 563.496 ± 0.060 χ^2/NDF : 92573.3/72

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -388.637+/-195.881 χ^2/NDF : 42.2/19

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

Left In: 134.808+/-196.397 χ^2/NDF : 9.2/18

Left: -127.603+/-138.691 χ^2/NDF : 54.9/38

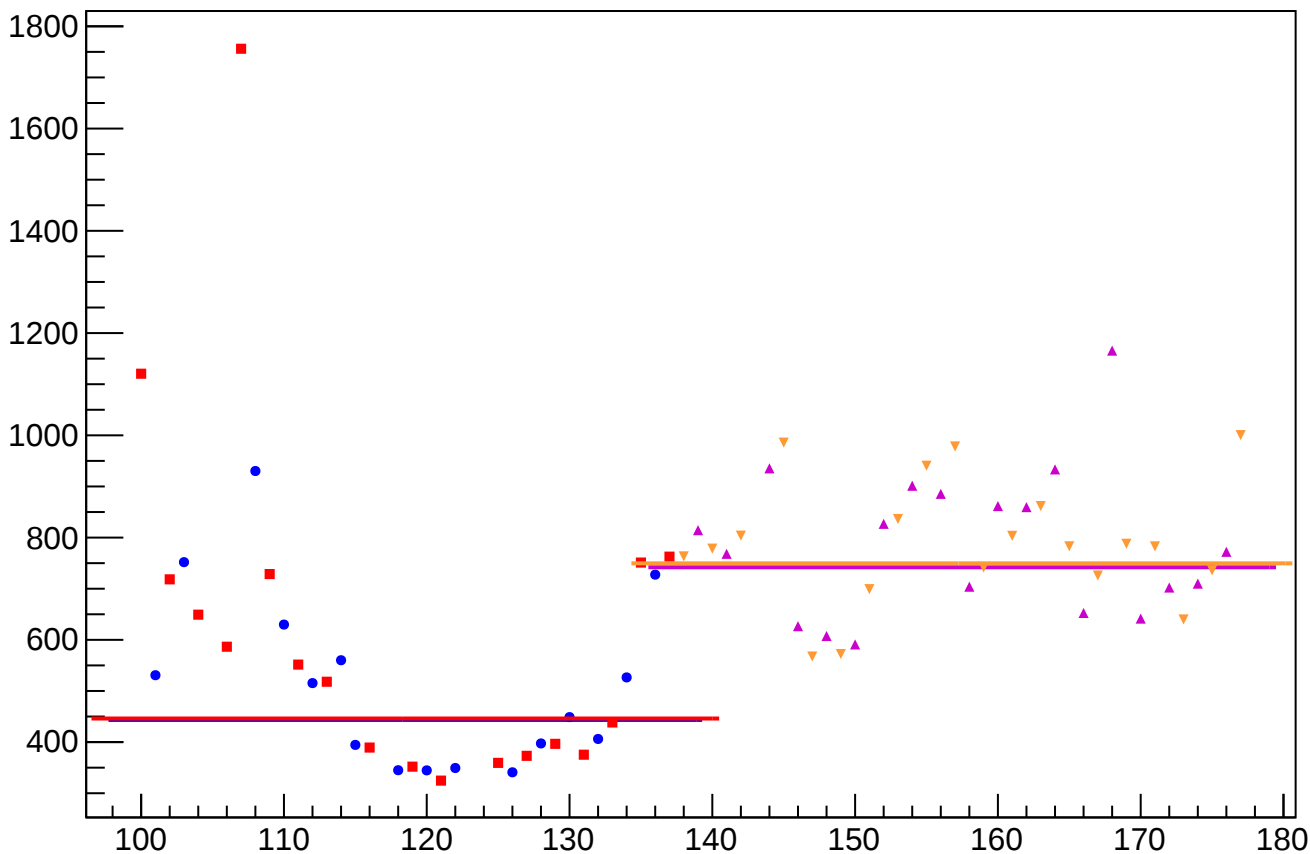
Right: -39.177+/-126.832 χ^2/NDF : 48.1/33

In: -20.938+/-132.729 χ^2/NDF : 32.6/34

Out: -137.322+/-132.003 χ^2/NDF : 70.2/37

All: -79.449+/-93.596 χ^2/NDF : 103.2/72

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 749.637+/-0.139 χ^2/NDF : 767789.2/19

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

Left In: 741.954+/-0.139 χ^2/NDF : 844810.1/18

Left: 745.806+/-0.098 χ^2/NDF : 1614133.5/38

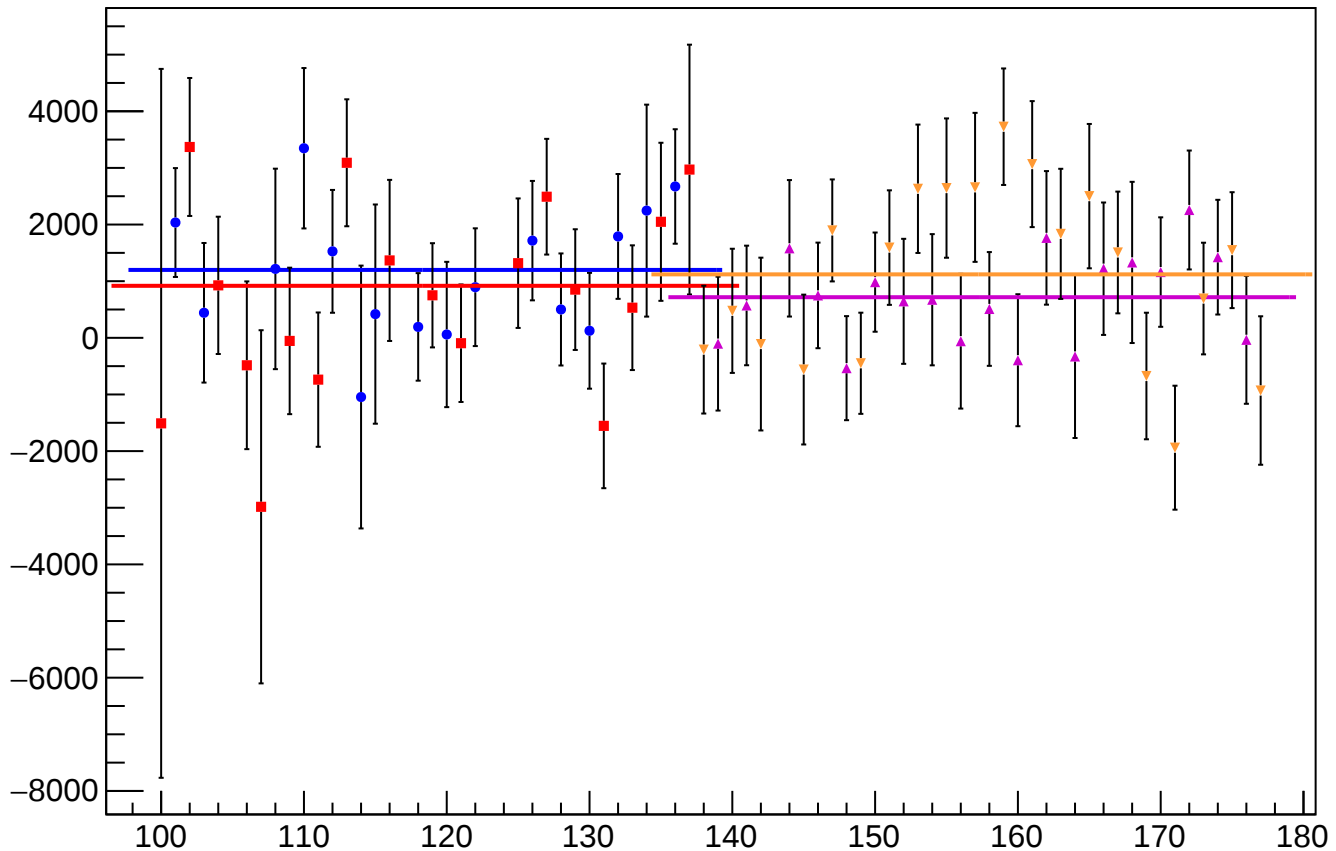
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

In: 579.788+/-0.094 χ^2/NDF : 4415732.1/34

Out: 583.972+/-0.093 χ^2/NDF : 4848501.8/37

All: 581.891+/-0.066 χ^2/NDF : 9265233.1/72

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 1120.535 $\pm$ 247.699 χ^2 /NDF:37.1/19

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

Left In: 717.264 $\pm$ 249.159 χ^2 /NDF:9.3/18

Left: 920.085 $\pm$ 175.664 χ^2 /NDF: 47.8/38

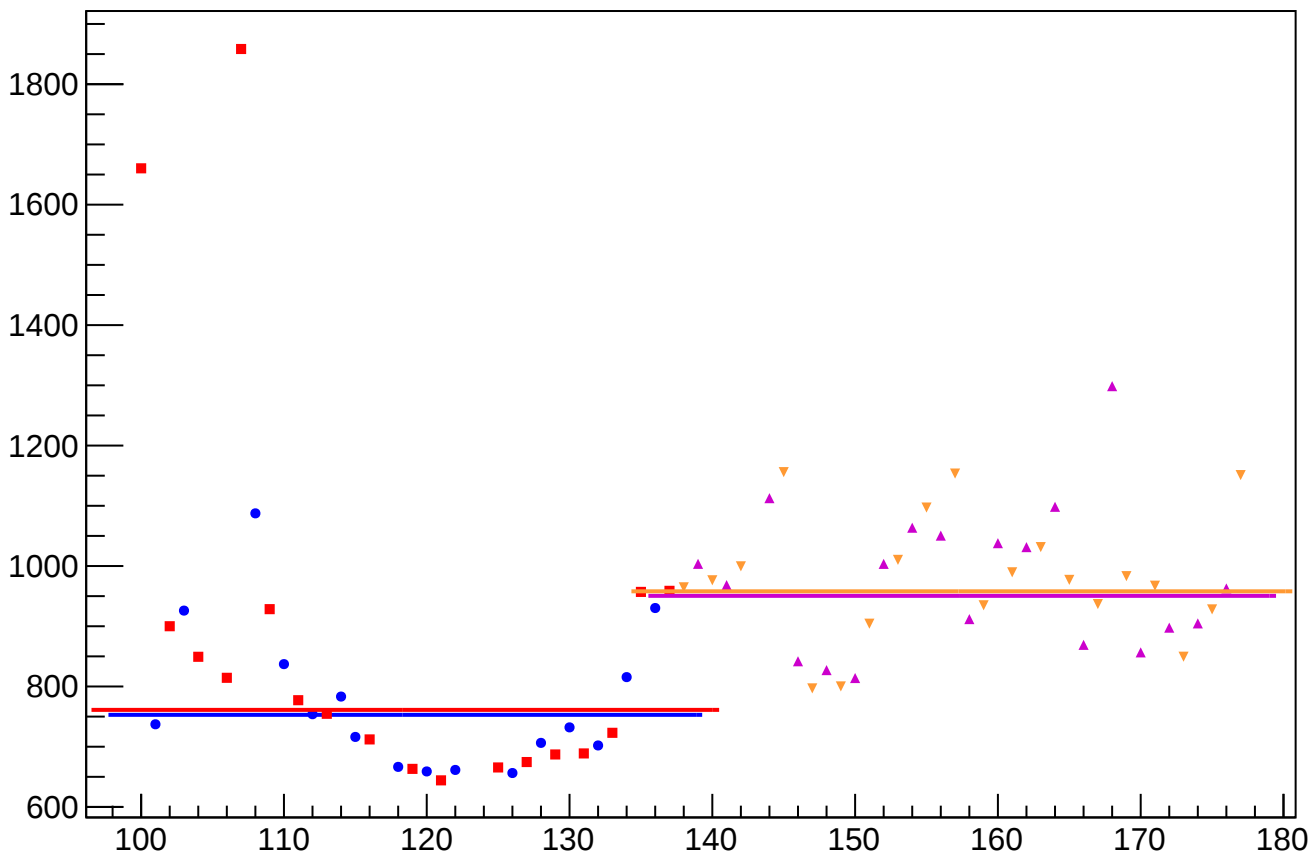
Right: 1057.763 $\pm$ 208.076 χ^2 /NDF: 34.9/33

In: 917.631 $\pm$ 190.415 χ^2 /NDF:22.1/34

Out: 1036.389 $\pm$ 189.240 χ^2 /NDF:60.6/37

All: 977.377 $\pm$ 134.226 χ^2 /NDF: 82.9/72

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 958.013+/-0.175 χ^2/NDF : 335668.0/19

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

Left In: 950.502+/-0.176 χ^2/NDF : 392833.1/18

Left: 954.280+/-0.124 χ^2/NDF : 729415.2/38

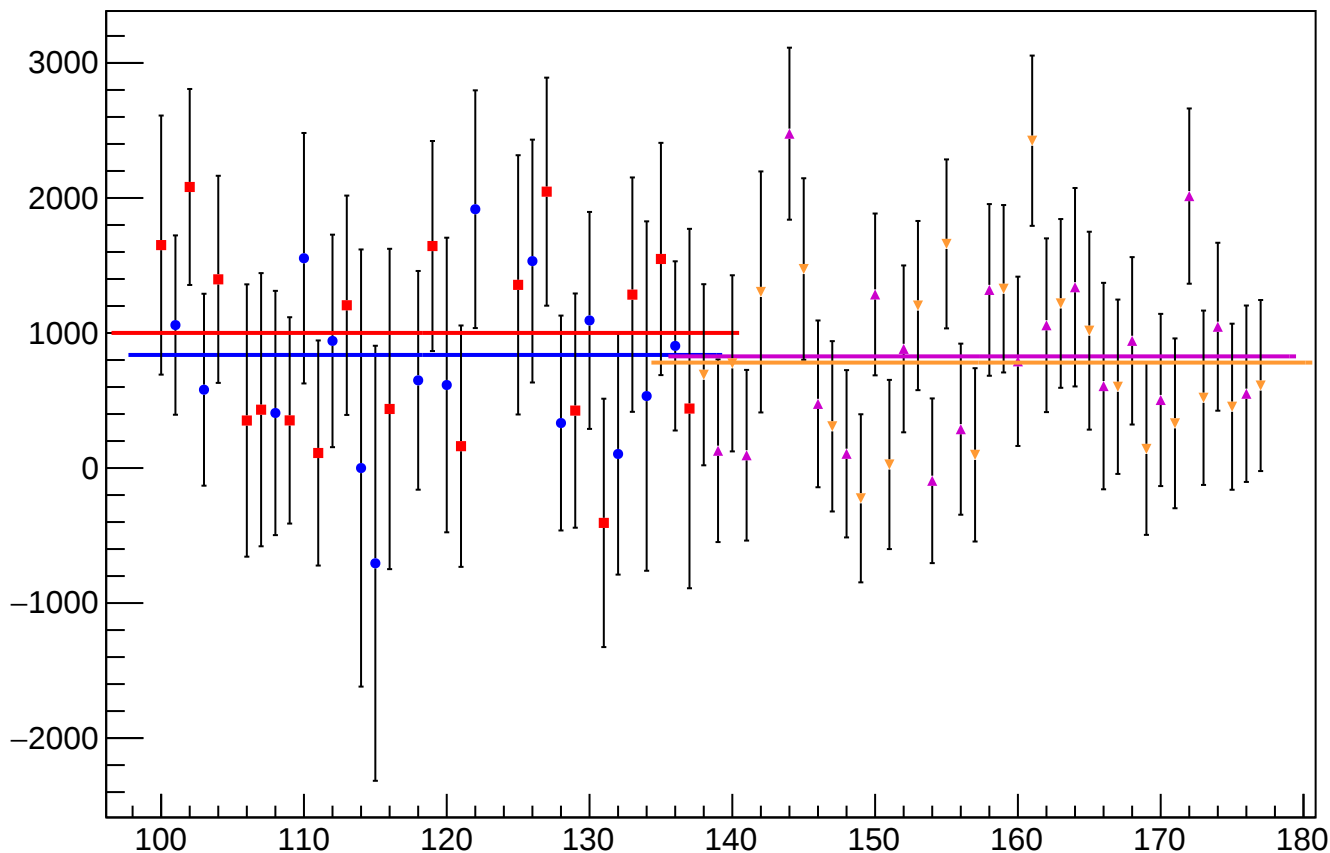
Right: 757.076+/-0.147 χ^2/NDF : 770443.9/33

In: 868.325+/-0.135 χ^2/NDF : 1168403.1/34

Out: 876.060+/-0.134 χ^2/NDF : 1378683.3/37

All: 872.217+/-0.095 χ^2/NDF : 2548747.0/72

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 780.863 $\pm$ 144.820 χ^2 /NDF:19.9/19

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

Left In: 826.979 $\pm$ 146.923 χ^2 /NDF:19.6/18

Left: 803.588 $\pm$ 103.138 χ^2 /NDF: 39.6/38

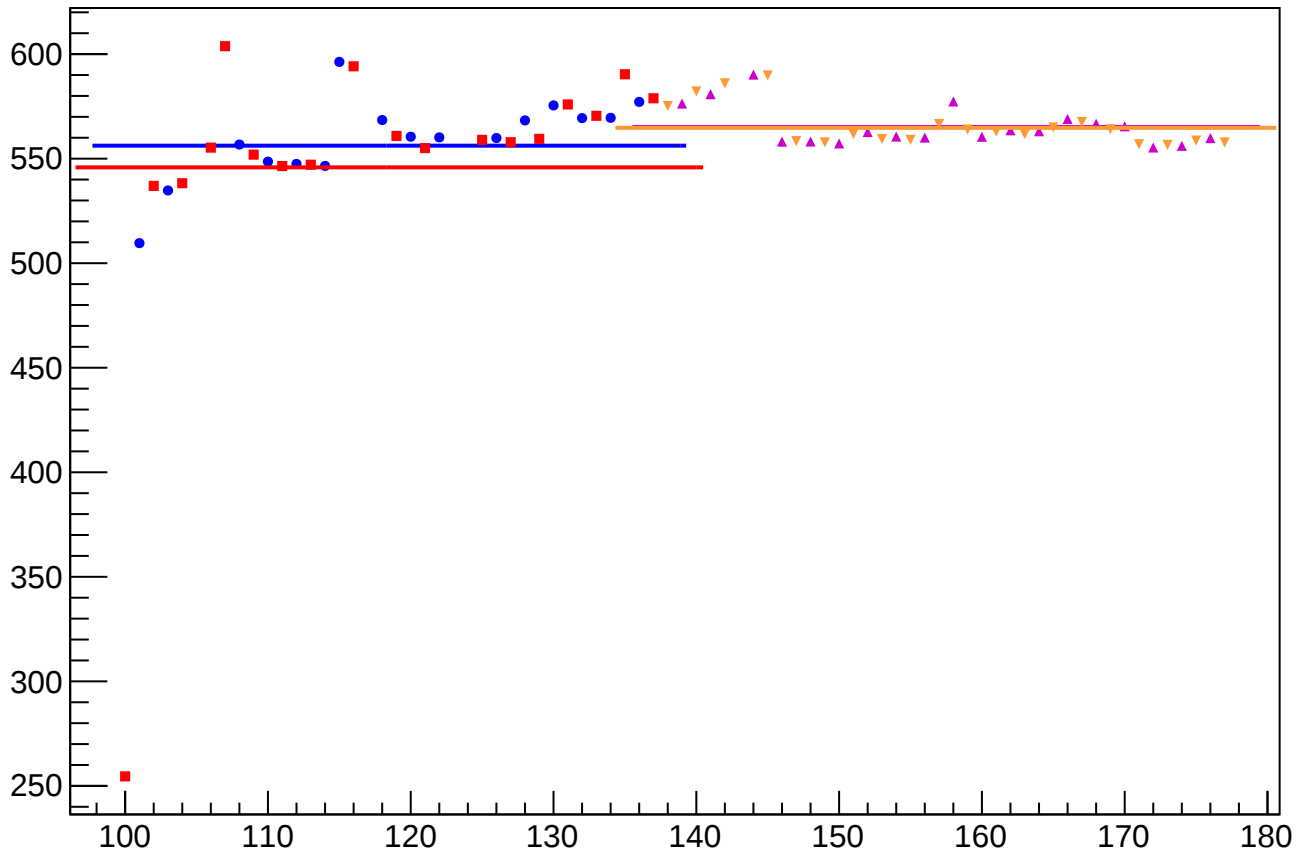
Right: 922.267 $\pm$ 149.737 χ^2 /NDF: 18.5/33

In: 830.325 $\pm$ 121.486 χ^2 /NDF:25.3/34

Out: 852.728 $\pm$ 118.803 χ^2 /NDF:33.2/37

All: 841.777 $\pm$ 84.939 χ^2 /NDF: 58.5/72

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 564.734 $\pm$ 0.102 χ^2 /NDF: 7825.8/19

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

Left In: 565.138 $\pm$ 0.104 χ^2 /NDF: 7950.7/18

Left: 564.933 $\pm$ 0.073 χ^2 /NDF: 15784.2/38

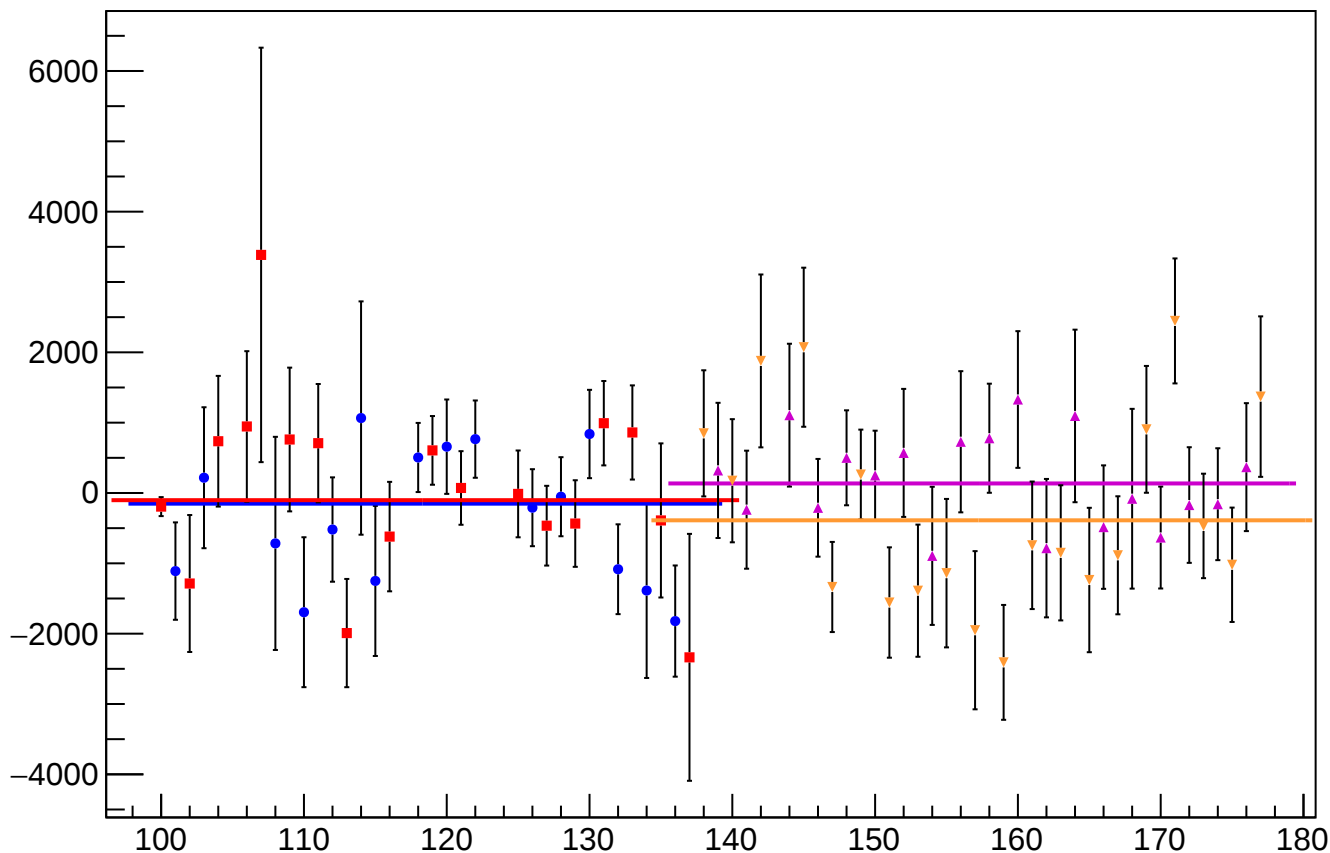
Right: 550.825 $\pm$ 0.106 χ^2 /NDF: 228450.1/33

In: 562.314 $\pm$ 0.086 χ^2 /NDF: 28703.9/34

Out: 558.556 $\pm$ 0.084 χ^2 /NDF: 226593.1/37

All: 560.393 $\pm$ 0.060 χ^2 /NDF: 256275.1/72

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -388.422 ± 195.799 $\chi^2/\text{NDF}: 42.2/19$

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

Left In: 135.730 ± 196.309 $\chi^2/\text{NDF}: 9.1/18$

Left: -127.028 ± 138.631 $\chi^2/\text{NDF}: 54.9/38$

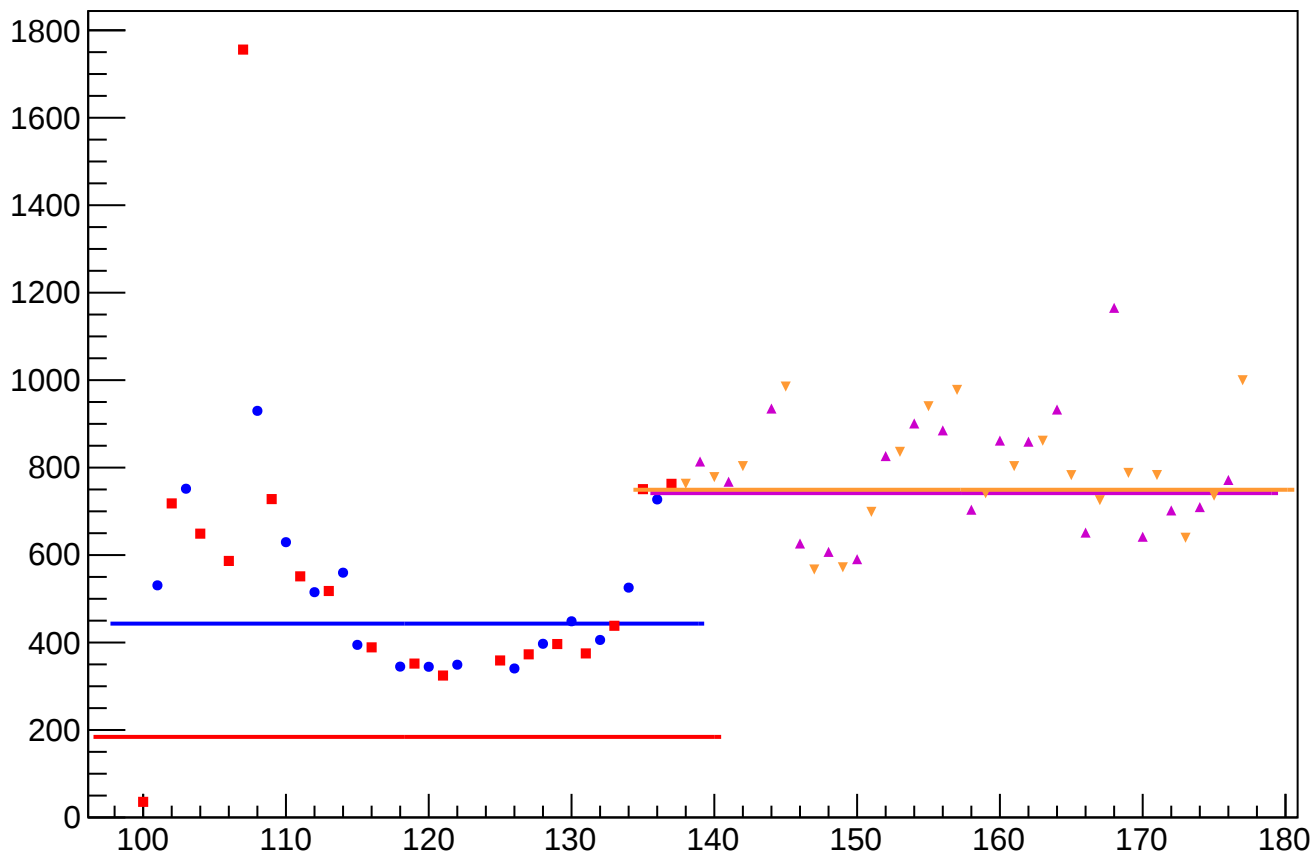
Right: -115.099 ± 92.423 $\chi^2/\text{NDF}: 45.6/33$

In: -20.295 ± 132.667 $\chi^2/\text{NDF}: 32.5/34$

Out: -168.598 ± 94.371 $\chi^2/\text{NDF}: 67.1/37$

All: -118.770 ± 76.900 $\chi^2/\text{NDF}: 100.5/72$

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 749.338+/-0.138 χ^2/NDF : 768268.3/19

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

Left In: 741.619+/-0.139 χ^2/NDF : 844987.7/18

Left: 745.489+/-0.098 χ^2/NDF : 1614806.3/38

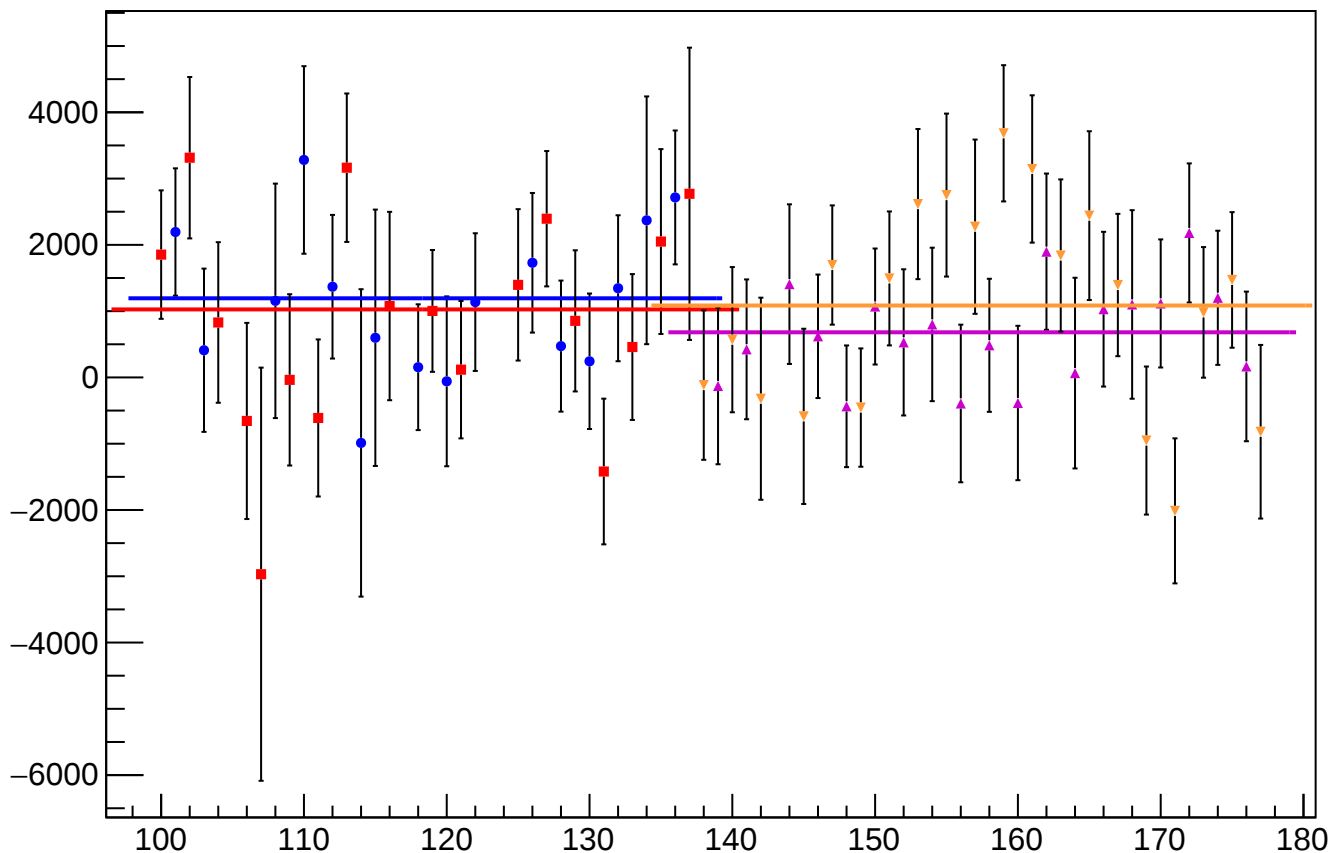
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

In: 579.514+/-0.094 χ^2/NDF : 4415991.7/34

Out: 315.495+/-0.067 χ^2/NDF : 21638413.7/37

All: 404.203+/-0.054 χ^2/NDF : 31313952.3/72

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 1085.221 $\pm$ 247.558 χ^2/NDF : 37.0/19

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

Left In: 680.774 $\pm$ 249.013 χ^2/NDF : 8.4/18

Left: 884.183 $\pm$ 175.562 χ^2/NDF : 46.7/38

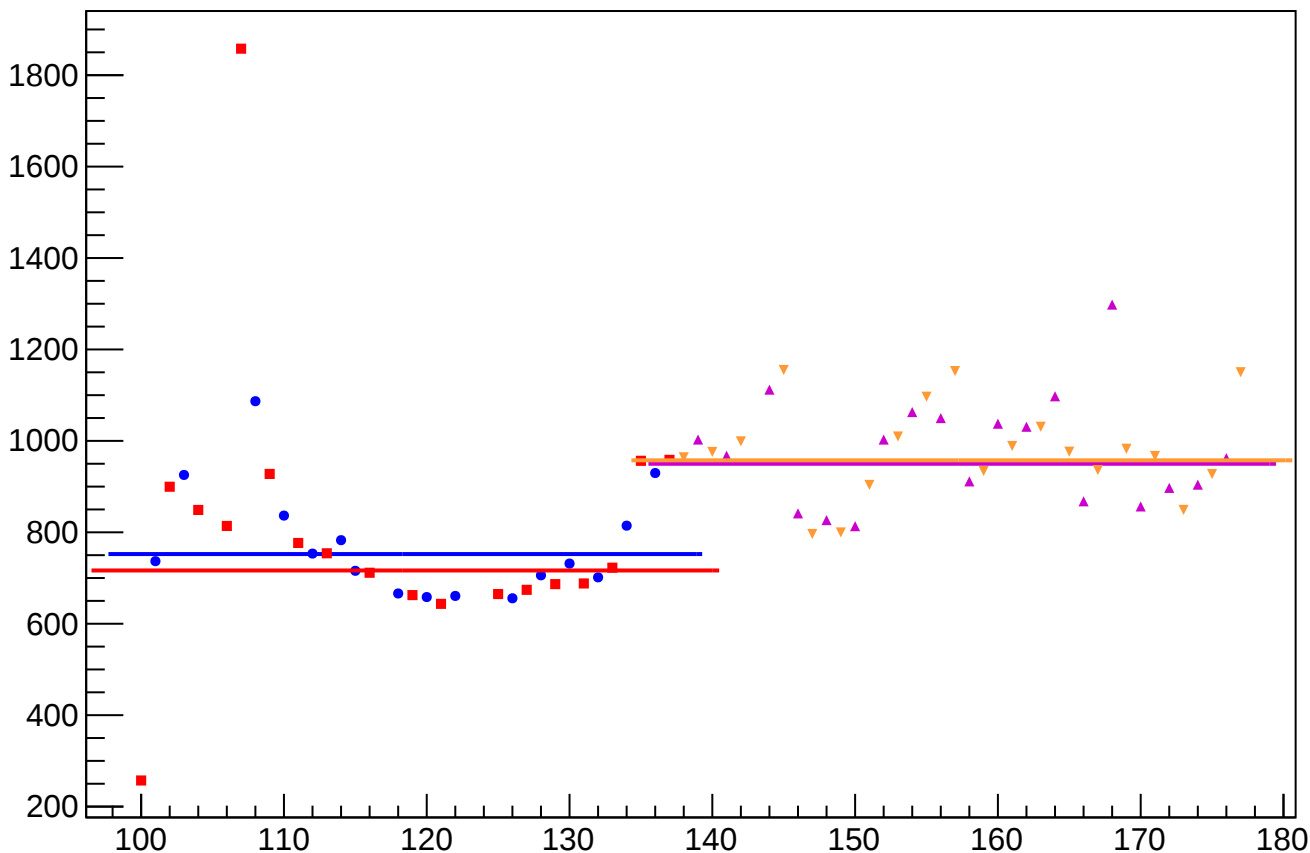
Right: 1105.849 $\pm$ 203.414 χ^2/NDF : 33.9/33

In: 894.209 $\pm$ 190.297 χ^2/NDF : 21.4/34

Out: 1059.381 $\pm$ 185.703 χ^2/NDF : 59.5/37

All: 978.813 $\pm$ 132.906 χ^2/NDF : 81.3/72

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 957.478+/-0.175 χ^2/NDF : 335537.4/19

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

Left In: 949.940+/-0.176 χ^2/NDF : 393064.2/18

Left: 953.731+/-0.124 χ^2/NDF : 729523.5/38

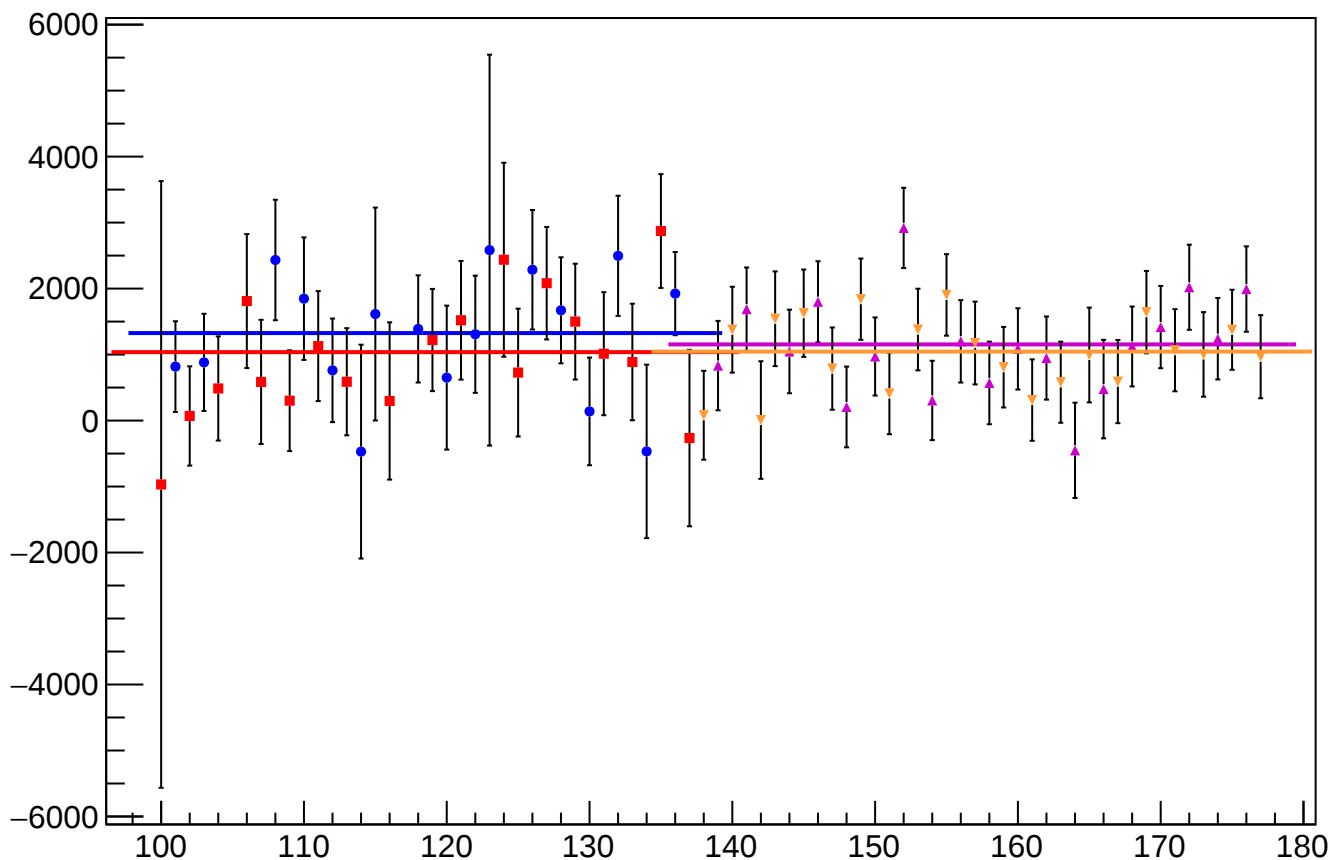
Right: 733.589+/-0.144 χ^2/NDF : 1235181.4/33

In: 867.777+/-0.135 χ^2/NDF : 1169192.2/34

Out: 852.109+/-0.131 χ^2/NDF : 2131034.0/37

All: 859.752+/-0.094 χ^2/NDF : 3307170.1/72

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1045.363 $\pm$ 140.141 χ^2/NDF :14.0/20

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

Left In: 1153.947 $\pm$ 145.037 χ^2/NDF :25.4/18

Left: 1097.791 $\pm$ 100.781 χ^2/NDF : 39.7/39

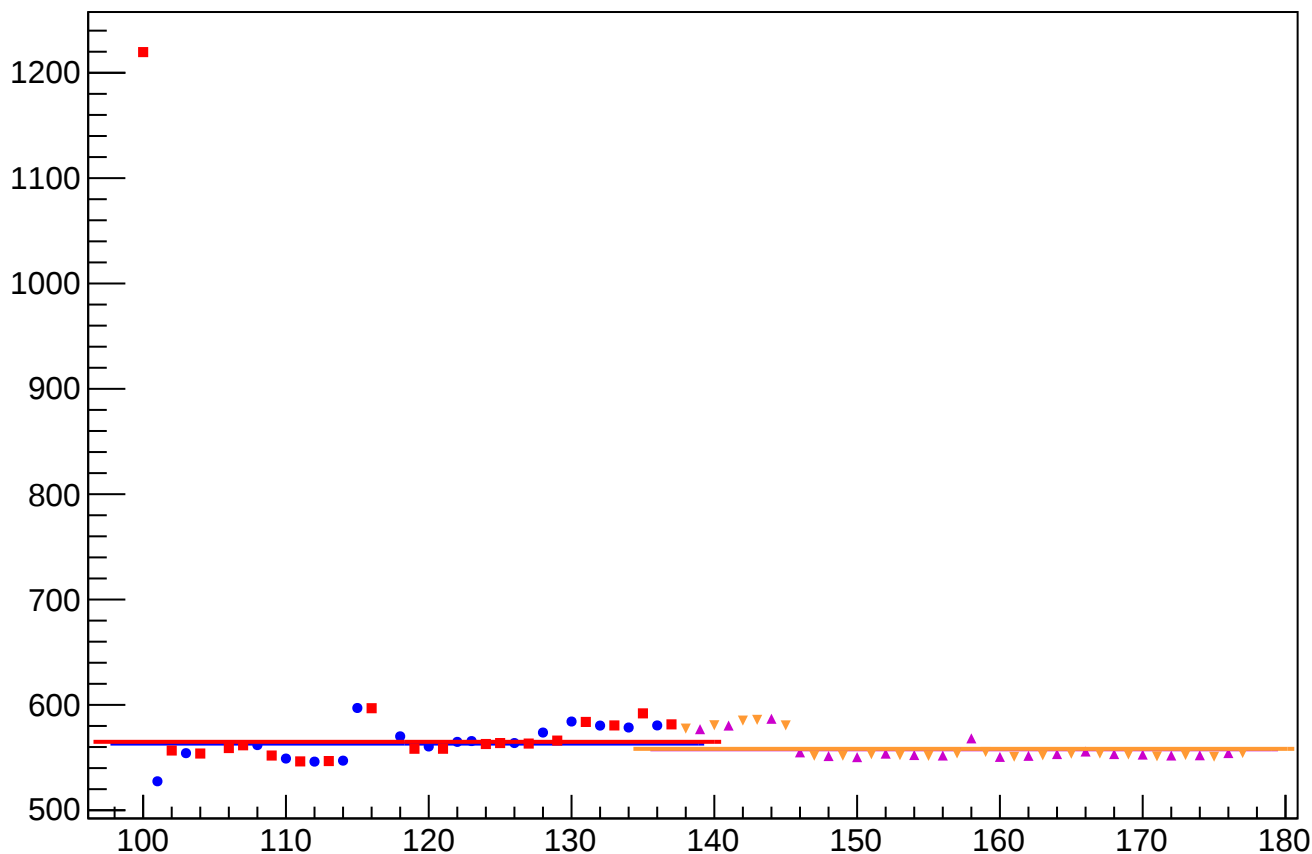
Right: 1177.020 $\pm$ 151.865 χ^2/NDF : 27.2/35

In: 1206.633 $\pm$ 120.772 χ^2/NDF :38.8/35

Out: 1042.821 $\pm$ 116.837 χ^2/NDF :27.4/39

All: 1122.015 $\pm$ 83.973 χ^2/NDF : 67.1/75

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 558.269+/-0.099 χ^2/NDF :13801.6/20

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

Left In: 557.855+/-0.103 χ^2/NDF :11084.3/18

Left: 558.069+/-0.071 χ^2/NDF : 24894.4/39

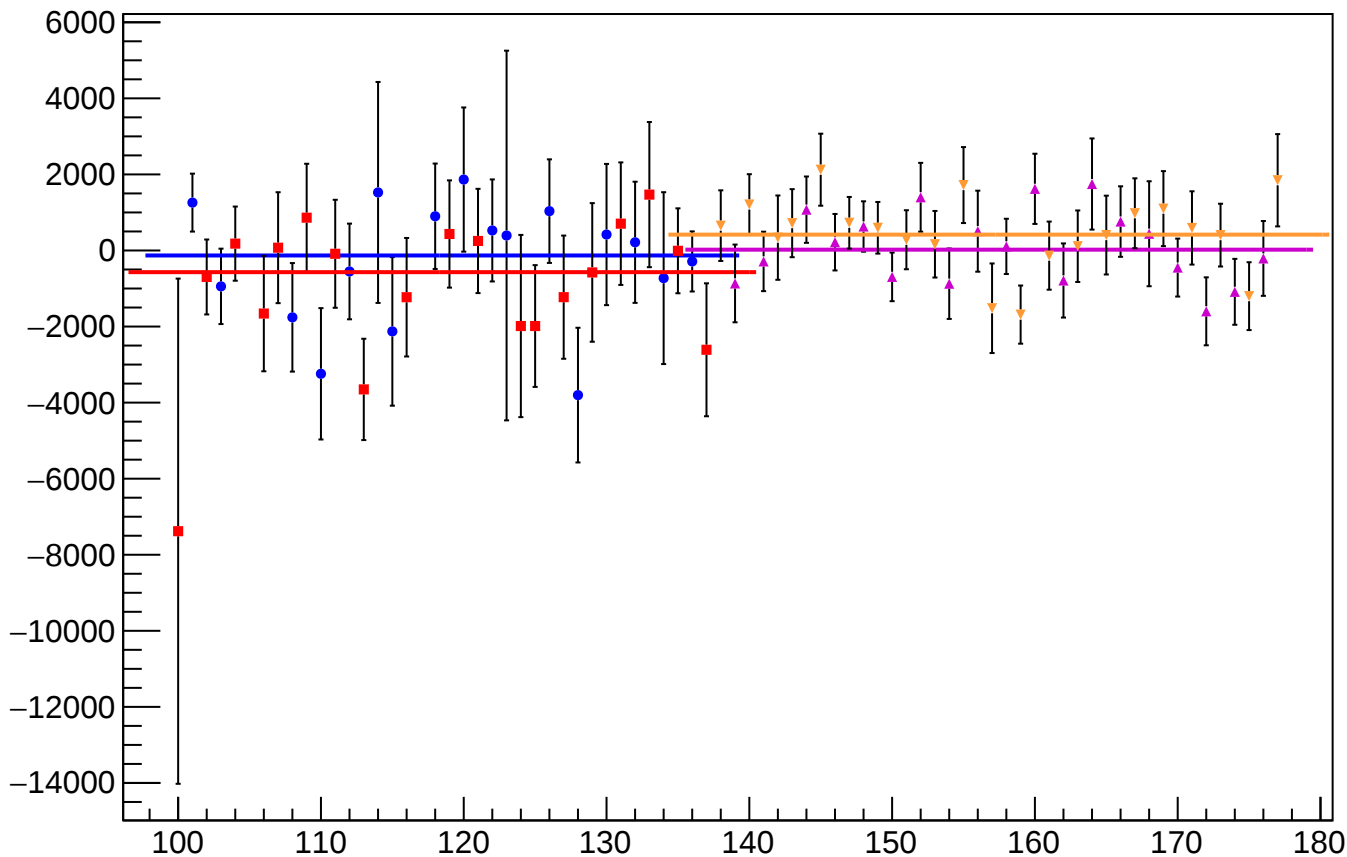
Right: 564.130+/-0.107 χ^2/NDF : 61877.2/35

In: 559.514+/-0.085 χ^2/NDF :24457.9/35

Out: 560.305+/-0.083 χ^2/NDF :64481.0/39

All: 559.922+/-0.059 χ^2/NDF : 88983.1/75

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 416.696 $\pm$ 193.661 χ^2/NDF : 22.8/20

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

Left In: 21.319 $\pm$ 197.766 χ^2/NDF : 19.9/18

Left: 223.154 $\pm$ 138.368 χ^2/NDF : 44.8/39

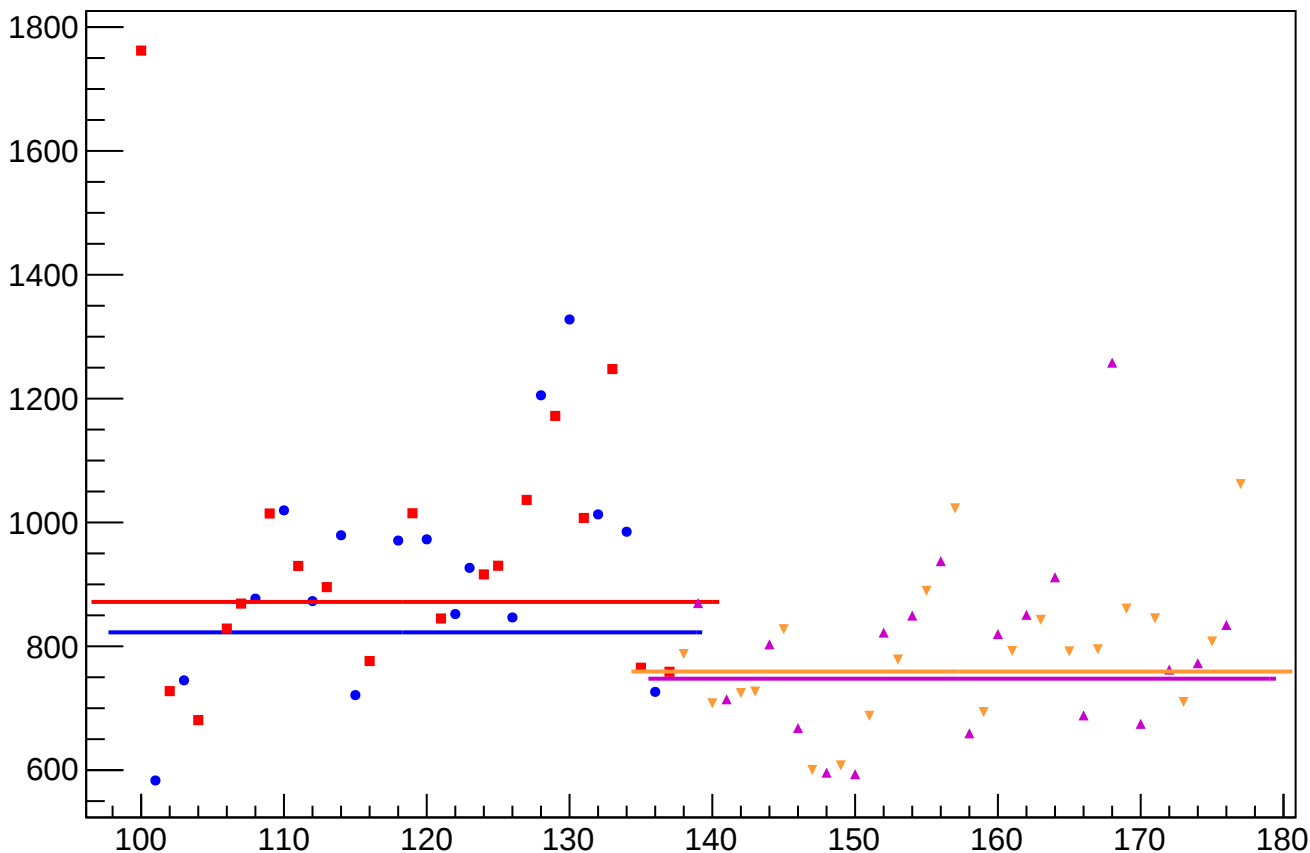
Right: -347.269 $\pm$ 233.324 χ^2/NDF : 32.7/35

In: -19.393 $\pm$ 169.306 χ^2/NDF : 37.2/35

Out: 166.693 $\pm$ 167.333 χ^2/NDF : 44.0/39

All: 74.741 $\pm$ 119.014 χ^2/NDF : 81.9/75

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 759.272+/-0.137 χ^2/NDF : 599688.1/20

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

Left In: 747.711+/-0.140 χ^2/NDF : 805084.3/18

Left: 753.612+/-0.098 χ^2/NDF : 1408261.6/39

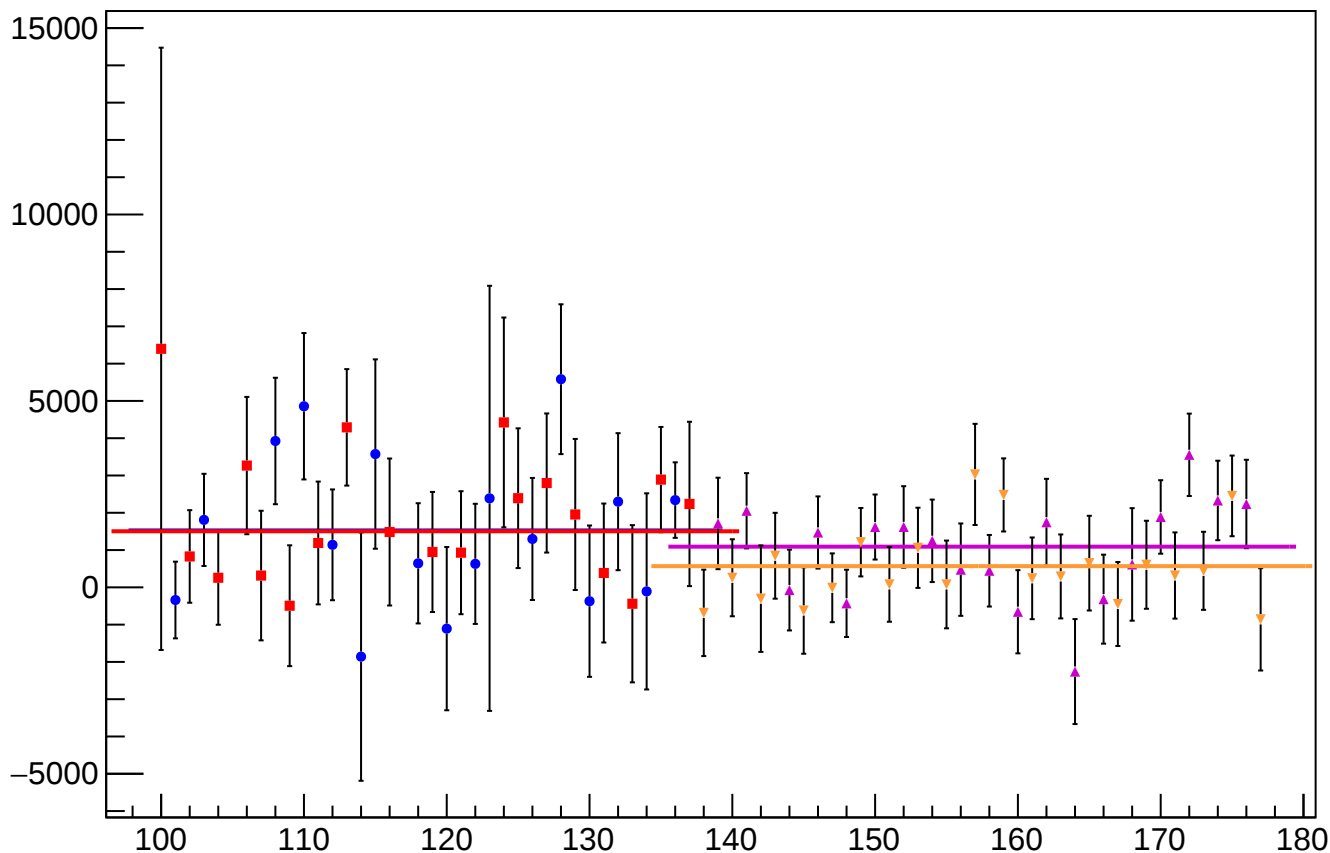
Right: 846.744+/-0.165 χ^2/NDF : 1029998.2/35

In: 767.695+/-0.120 χ^2/NDF : 1482495.2/35

Out: 787.757+/-0.118 χ^2/NDF : 1177297.4/39

All: 777.844+/-0.084 χ^2/NDF : 2673999.3/75

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 568.548+/-242.586 χ^2/NDF : 16.5/20

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

Left In: 1091.421+/-249.016 χ^2/NDF : 24.5/18

Left: 823.147+/-173.763 χ^2/NDF : 43.2/39

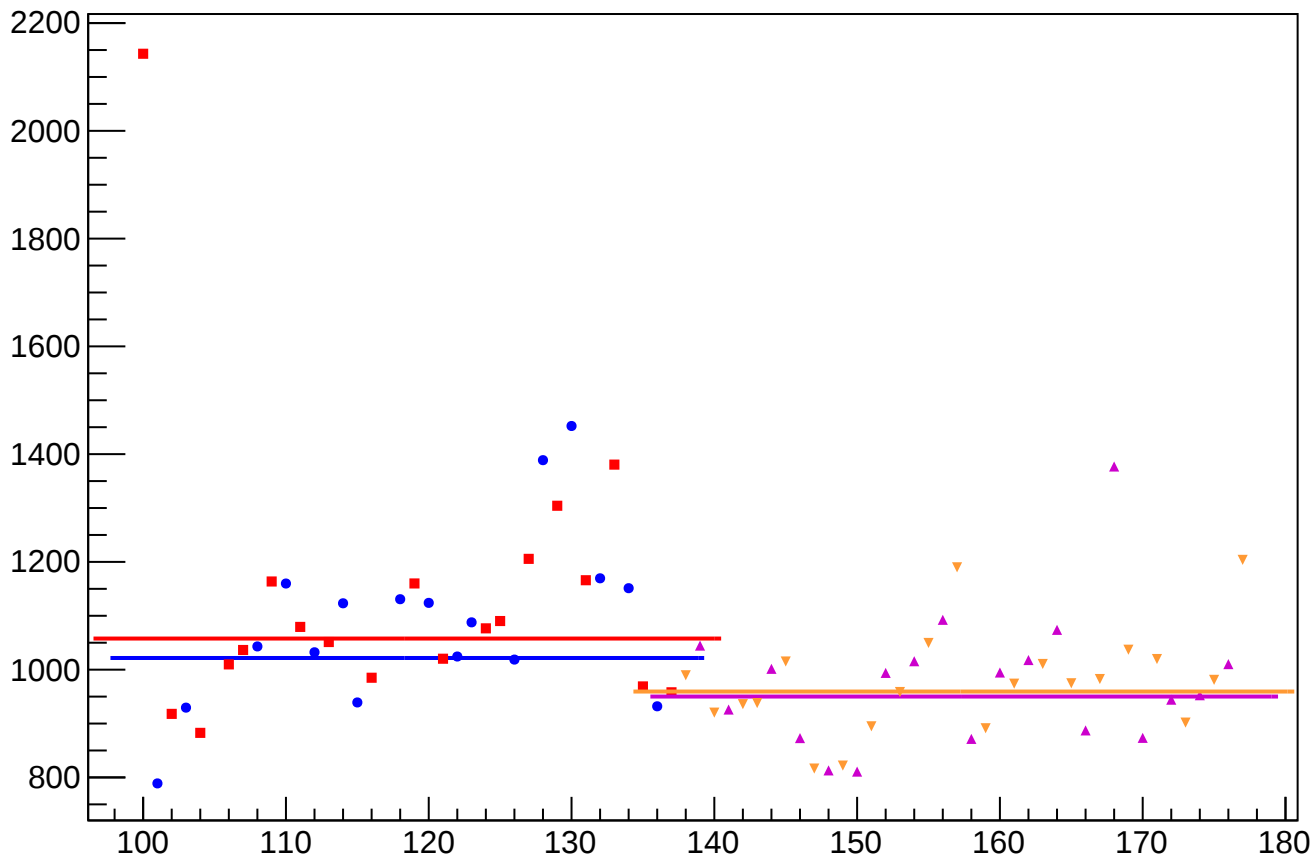
Right: 1514.890+/-283.454 χ^2/NDF : 30.4/35

In: 1211.879+/-211.661 χ^2/NDF : 43.5/35

Out: 820.242+/-207.415 χ^2/NDF : 32.6/39

All: 1012.094+/-148.143 χ^2/NDF : 77.9/75

asym_right_avg_rms vs Slug, Sign Corrected



Right In: 1021.665 ± 0.284 $\chi^2/\text{NDF}: 331949.3/16$

Left Out: 959.401 ± 0.172 $\chi^2/\text{NDF}: 280432.6/20$

Right Out: 1057.748 ± 0.283 $\chi^2/\text{NDF}: 230944.1/18$

Left In: 950.106 ± 0.176 $\chi^2/\text{NDF}: 385788.6/18$

Left: 954.875 ± 0.123 $\chi^2/\text{NDF}: 667650.7/39$

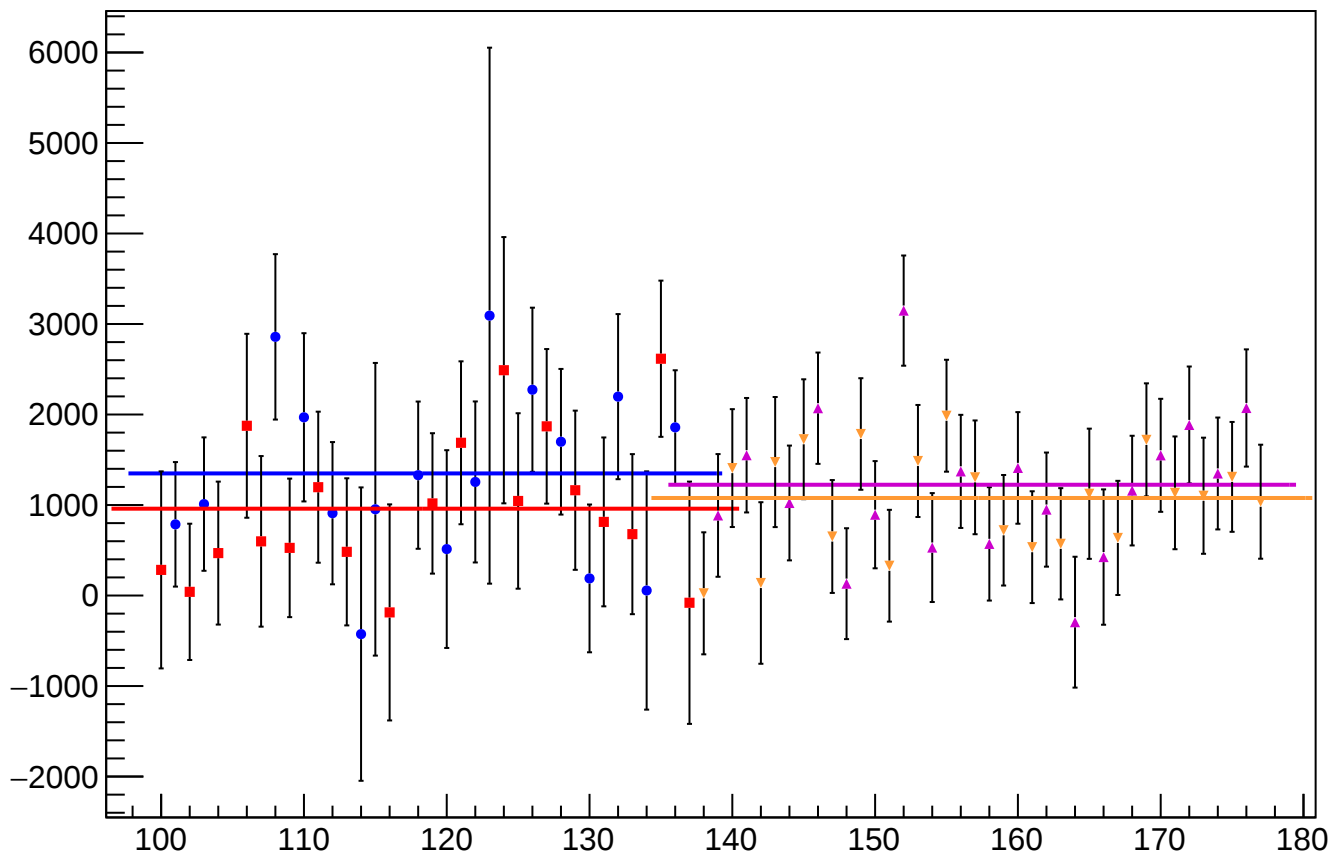
Right: 1039.788 ± 0.200 $\chi^2/\text{NDF}: 570995.5/35$

In: 969.965 ± 0.150 $\chi^2/\text{NDF}: 763572.0/35$

Out: 985.851 ± 0.147 $\chi^2/\text{NDF}: 599782.8/39$

All: 978.069 ± 0.105 $\chi^2/\text{NDF}: 1369101.6/75$

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1077.701 $\pm$ 140.282 χ^2 /NDF:14.6/20

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

Left In: 1223.919 $\pm$ 145.199 χ^2 /NDF:27.4/18

Left: 1148.292 $\pm$ 100.888 χ^2 /NDF: 42.5/39

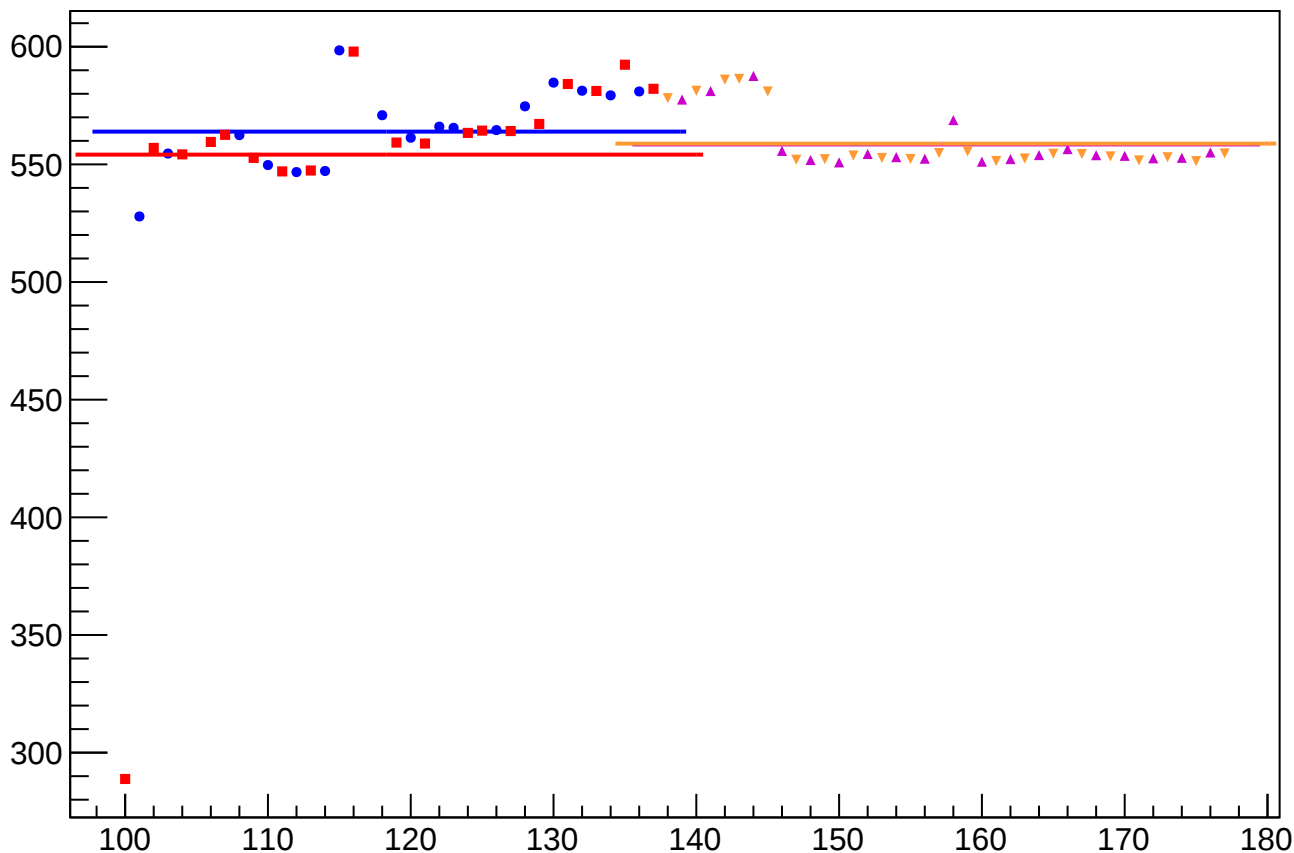
Right: 1144.995 $\pm$ 150.662 χ^2 /NDF: 26.2/35

In: 1262.316 $\pm$ 120.909 χ^2 /NDF:39.9/35

Out: 1040.779 $\pm$ 116.328 χ^2 /NDF:27.0/39

All: 1147.272 $\pm$ 83.829 χ^2 /NDF: 68.7/75

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 558.831 $\pm$ 0.099 χ^2 /NDF:13843.6/20

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

Left In: 558.476 $\pm$ 0.103 χ^2 /NDF:11158.8/18

Left: 558.660 $\pm$ 0.071 χ^2 /NDF: 25008.6/39

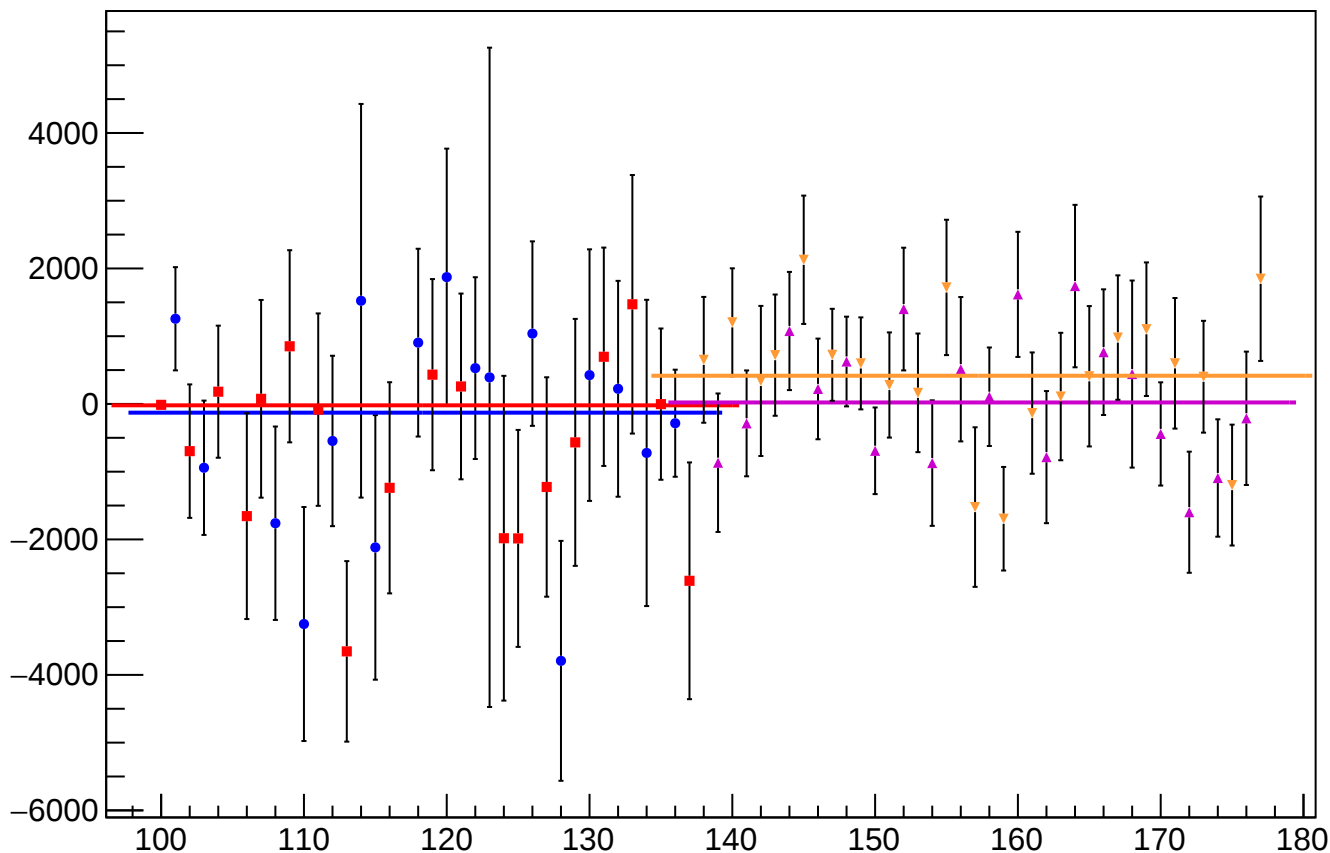
Right: 558.799 $\pm$ 0.107 χ^2 /NDF: 146729.2/35

In: 560.146 $\pm$ 0.085 χ^2 /NDF:24684.5/35

Out: 557.367 $\pm$ 0.082 χ^2 /NDF:146505.9/39

All: 558.703 $\pm$ 0.059 χ^2 /NDF: 171739.0/75

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 416.323+/-193.725 χ^2/NDF : 22.9/20

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

Left In: 21.831+/-197.862 χ^2/NDF : 19.8/18

Left: 223.244+/-138.424 χ^2/NDF : 44.8/39

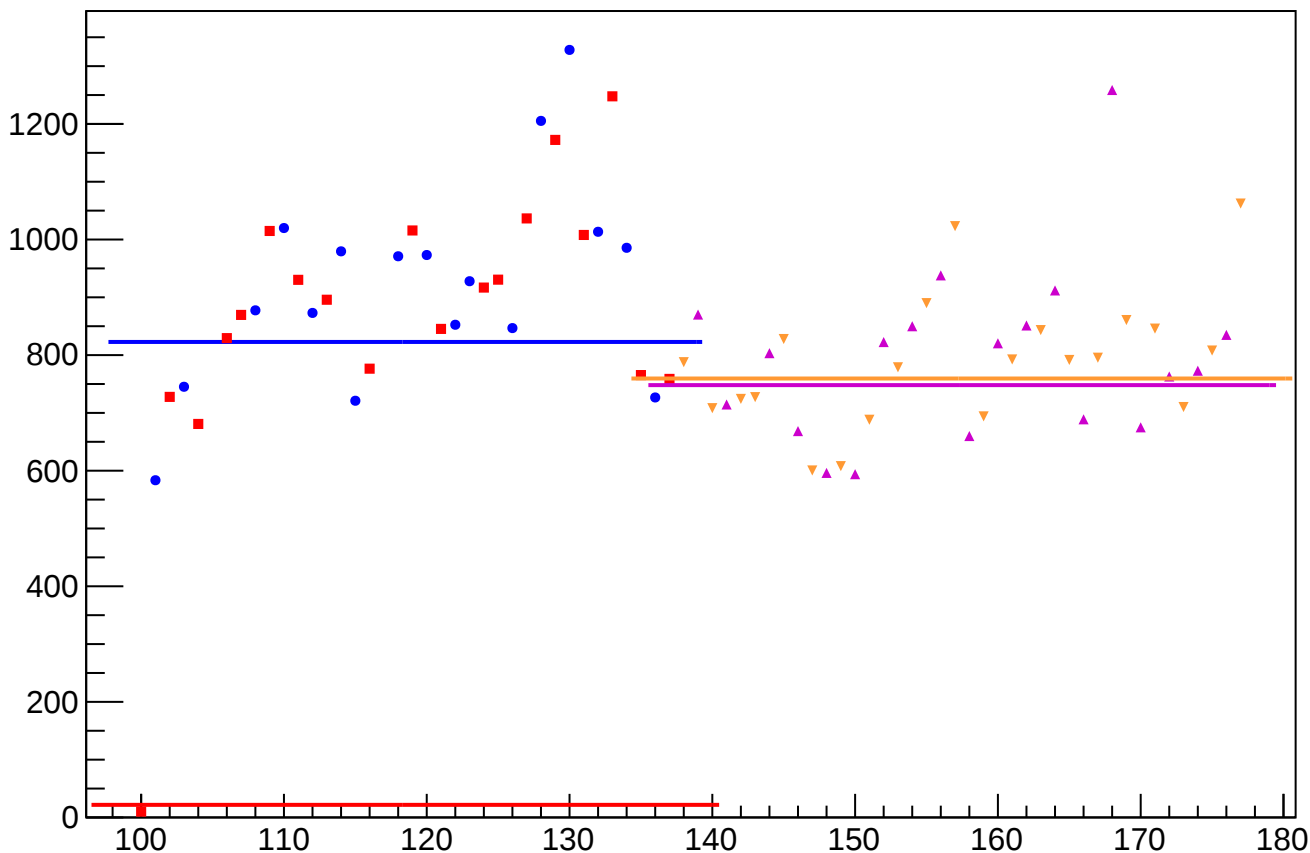
Right: -21.894+/-38.682 χ^2/NDF : 33.4/35

In: -18.395+/-169.380 χ^2/NDF : 37.2/35

Out: -3.413+/-38.190 χ^2/NDF : 43.9/39

All: -4.138+/-37.255 χ^2/NDF : 81.1/75

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 759.516 $\pm$ 0.137 χ^2 /NDF: 599715.7/20

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

Left In: 748.079 $\pm$ 0.140 χ^2 /NDF: 804856.7/18

Left: 753.919 $\pm$ 0.098 χ^2 /NDF: 1407984.1/39

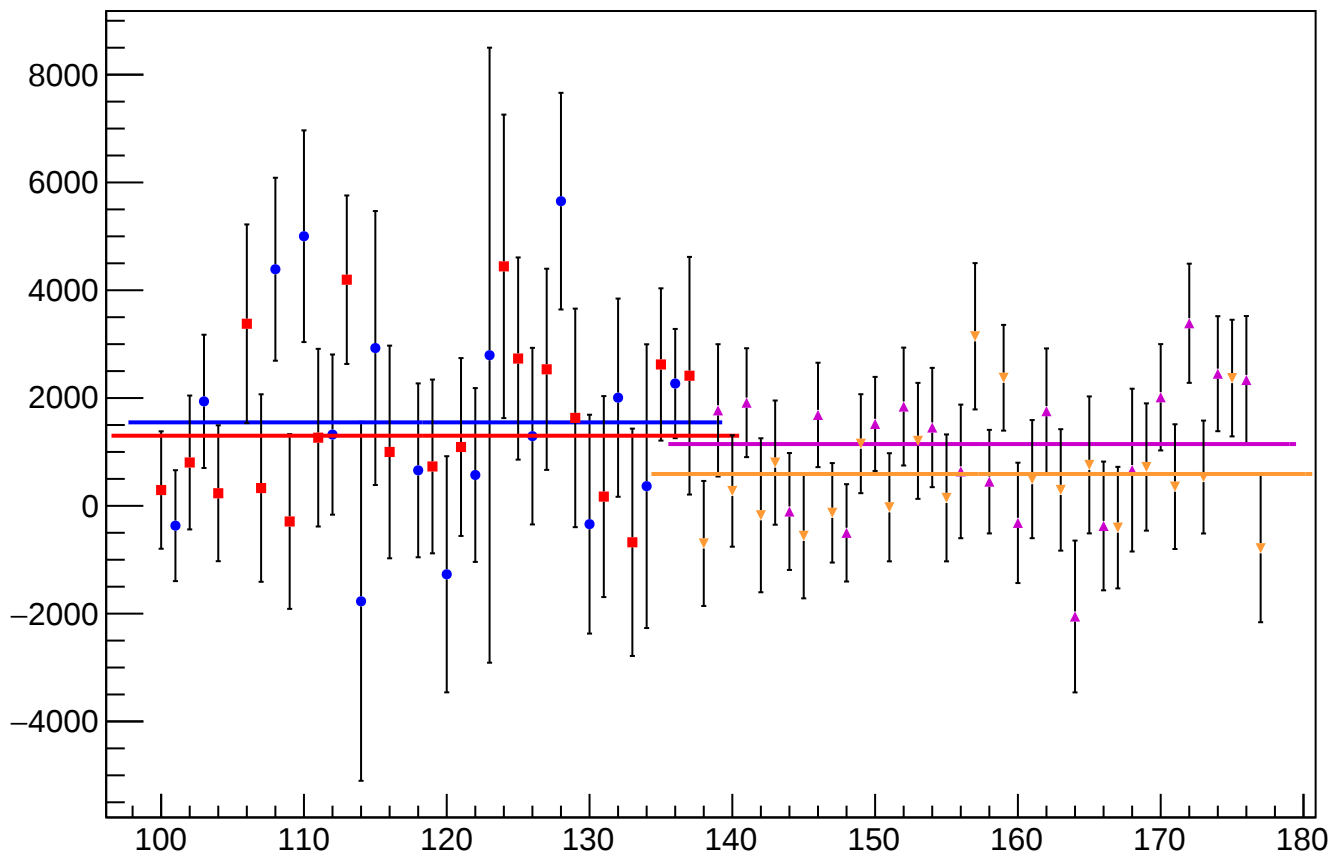
Right: 32.973 $\pm$ 0.027 χ^2 /NDF: 25907183.1/35

In: 768.038 $\pm$ 0.120 χ^2 /NDF: 1481895.0/35

Out: 50.481 $\pm$ 0.027 χ^2 /NDF: 41997903.6/39

All: 85.194 $\pm$ 0.026 χ^2 /NDF: 77637198.7/75

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 591.130 $\pm$ 242.721 χ^2 /NDF:16.0/20

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

Left In: 1146.235 $\pm$ 249.191 χ^2 /NDF:23.4/18

Left: 861.383 $\pm$ 173.872 χ^2 /NDF: 41.9/39

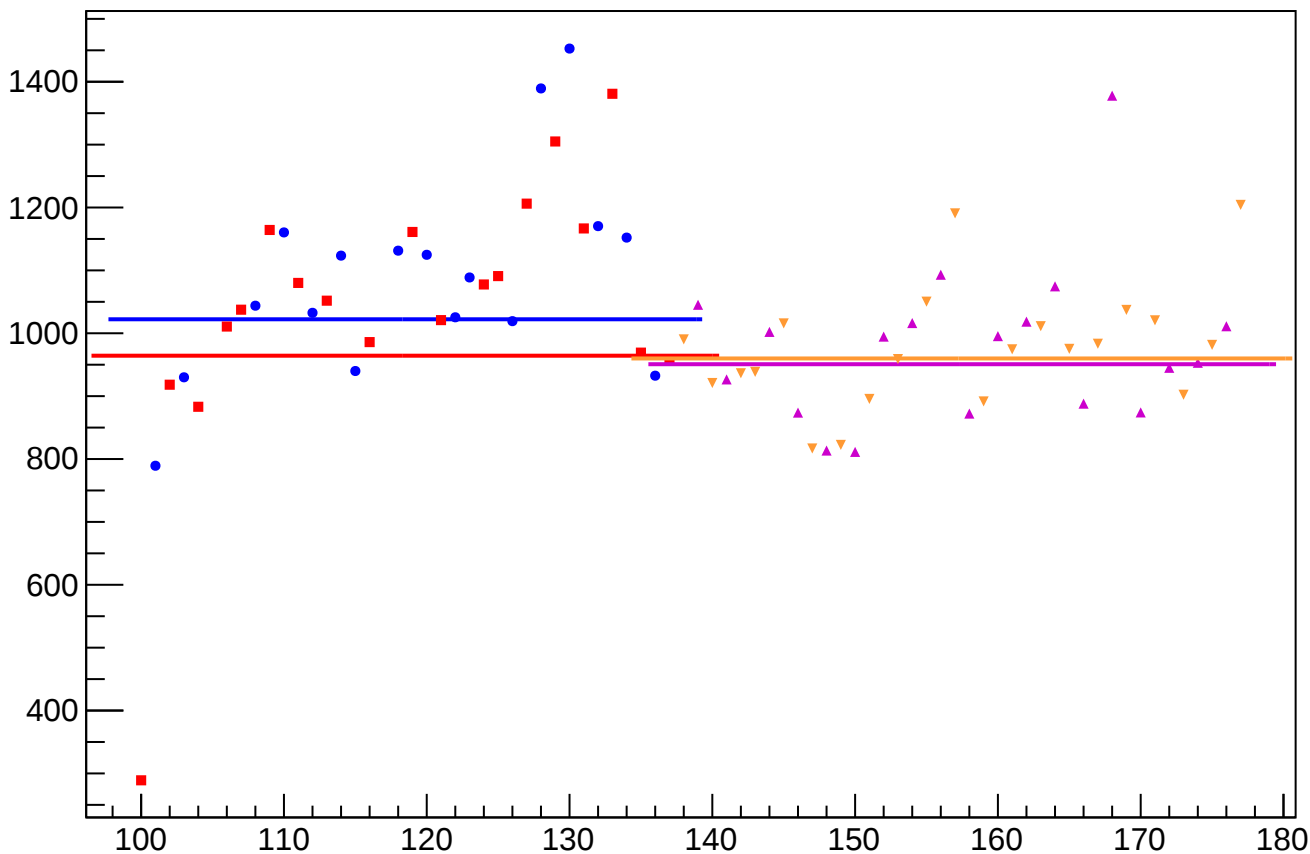
Right: 1416.645 $\pm$ 274.624 χ^2 /NDF: 31.7/35

In: 1257.998 $\pm$ 211.801 χ^2 /NDF:43.1/35

Out: 799.883 $\pm$ 203.930 χ^2 /NDF:31.0/39

All: 1020.270 $\pm$ 146.904 χ^2 /NDF: 76.6/75

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 959.931+/-0.172 χ^2/NDF : 280415.6/20

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

Left In: 950.781+/-0.176 χ^2/NDF : 385528.8/18

Left: 955.476+/-0.123 χ^2/NDF : 667328.1/39

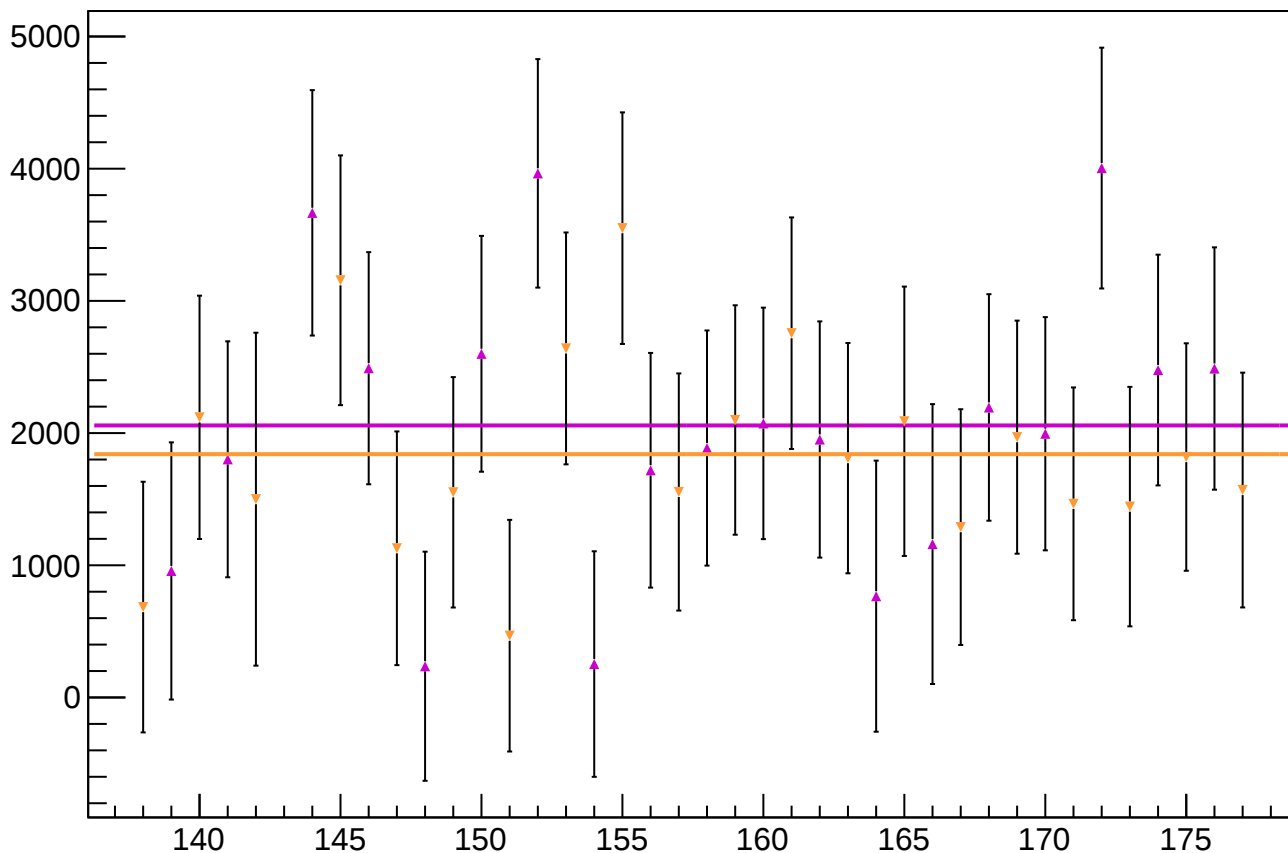
Right: 991.355+/-0.194 χ^2/NDF : 1421282.7/35

In: 970.617+/-0.150 χ^2/NDF : 763049.0/35

Out: 961.225+/-0.144 χ^2/NDF : 1347889.9/39

All: 965.743+/-0.104 χ^2/NDF : 2112979.8/75

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1840.527+/-202.545 χ^2/NDF :13.7/19

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

Left In: 2057.761+/-206.899 χ^2/NDF :26.3/18

Left: 1946.834+/-144.736 χ^2/NDF : 40.5/38

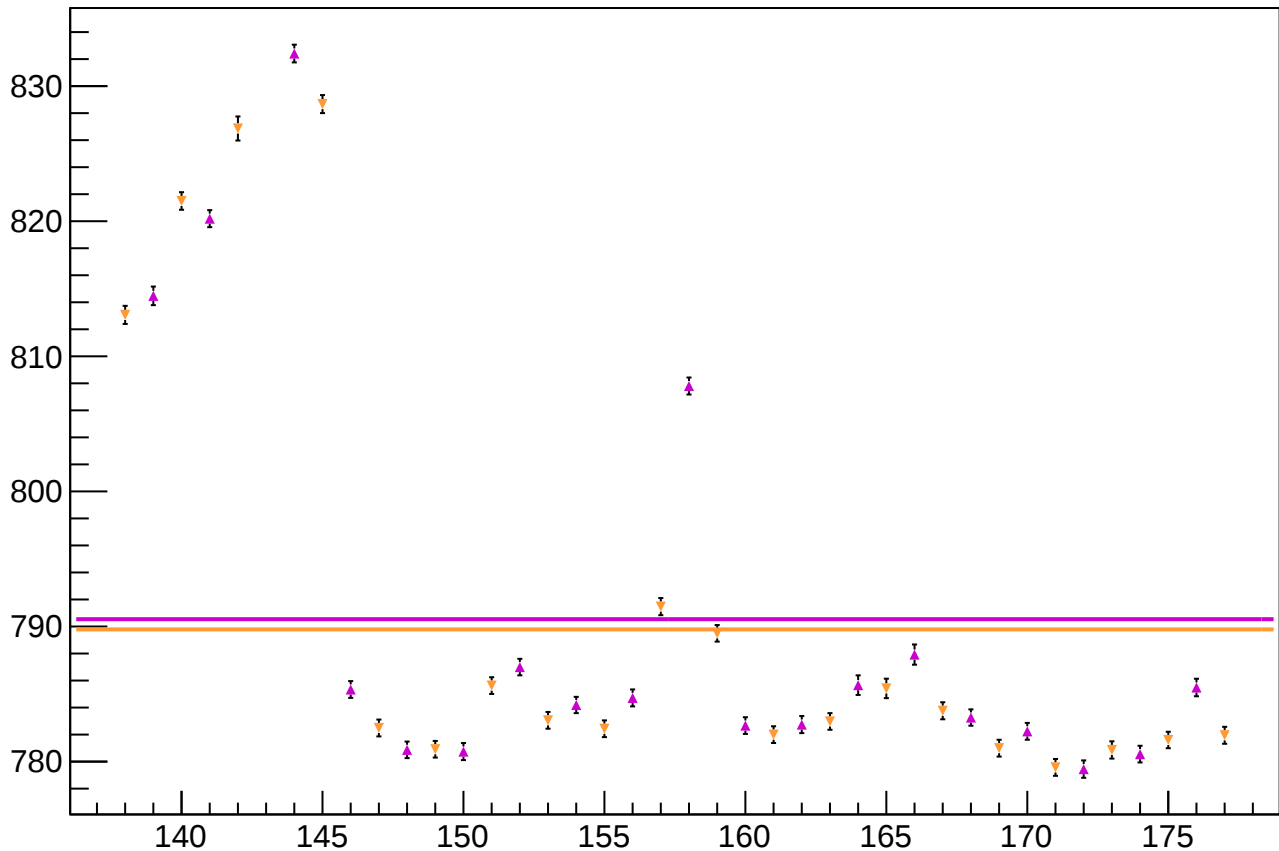
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2057.761+/-206.899 χ^2/NDF :26.3/18

Out: 1840.527+/-202.545 χ^2/NDF :13.7/19

All: 1946.834+/-144.736 χ^2/NDF : 40.5/38

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 789.783+/-0.143 χ^2/NDF :10765.6/19

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

Left In: 790.542+/-0.146 χ^2/NDF :10344.7/18

Left: 790.155+/-0.102 χ^2/NDF : 21124.0/38

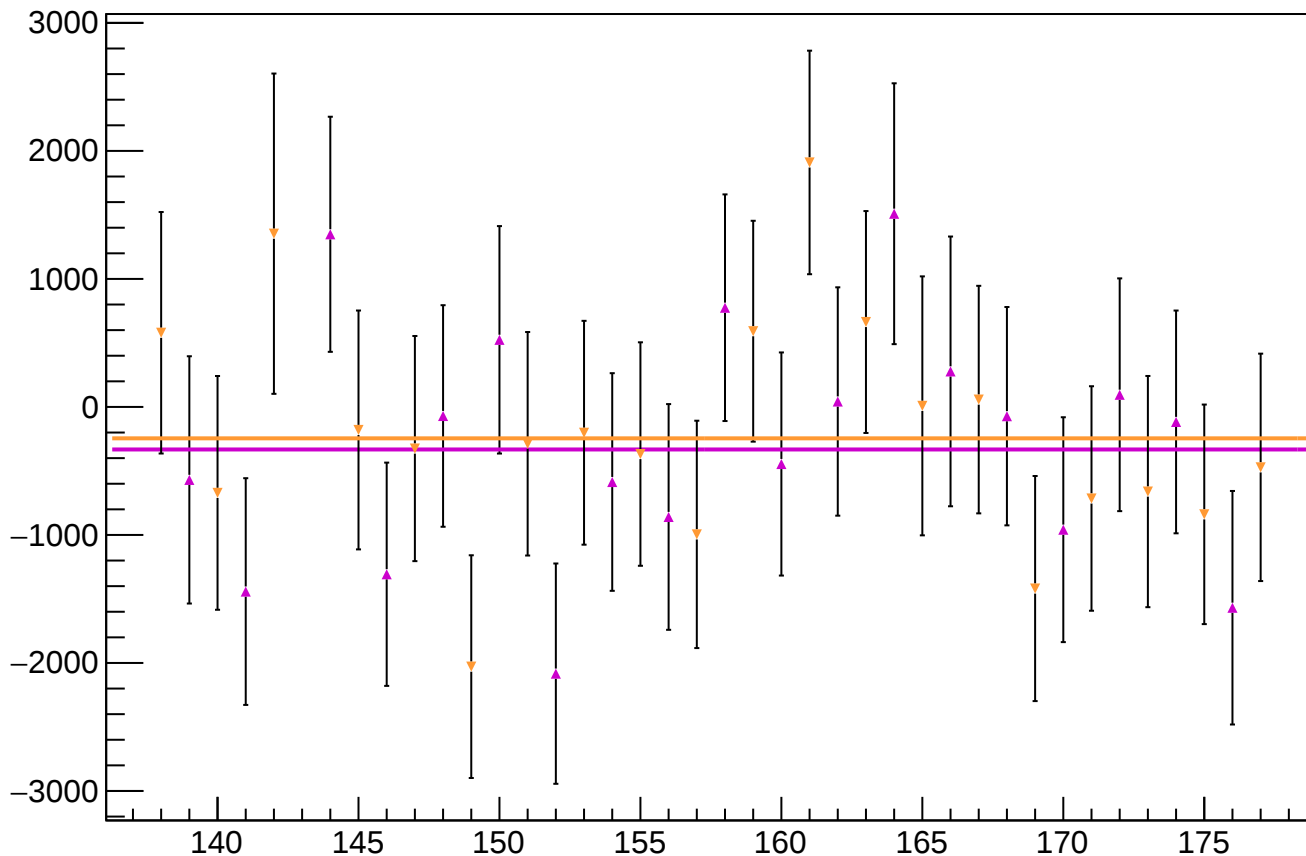
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 790.542+/-0.146 χ^2/NDF :10344.7/18

Out: 789.783+/-0.143 χ^2/NDF :10765.6/19

All: 790.155+/-0.102 χ^2/NDF : 21124.0/38

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -245.338+/-201.602 χ^2/NDF :18.7/19

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

Left In: -332.290+/-205.895 χ^2/NDF :19.9/18

Left: -287.898+/-144.048 χ^2/NDF : 38.7/38

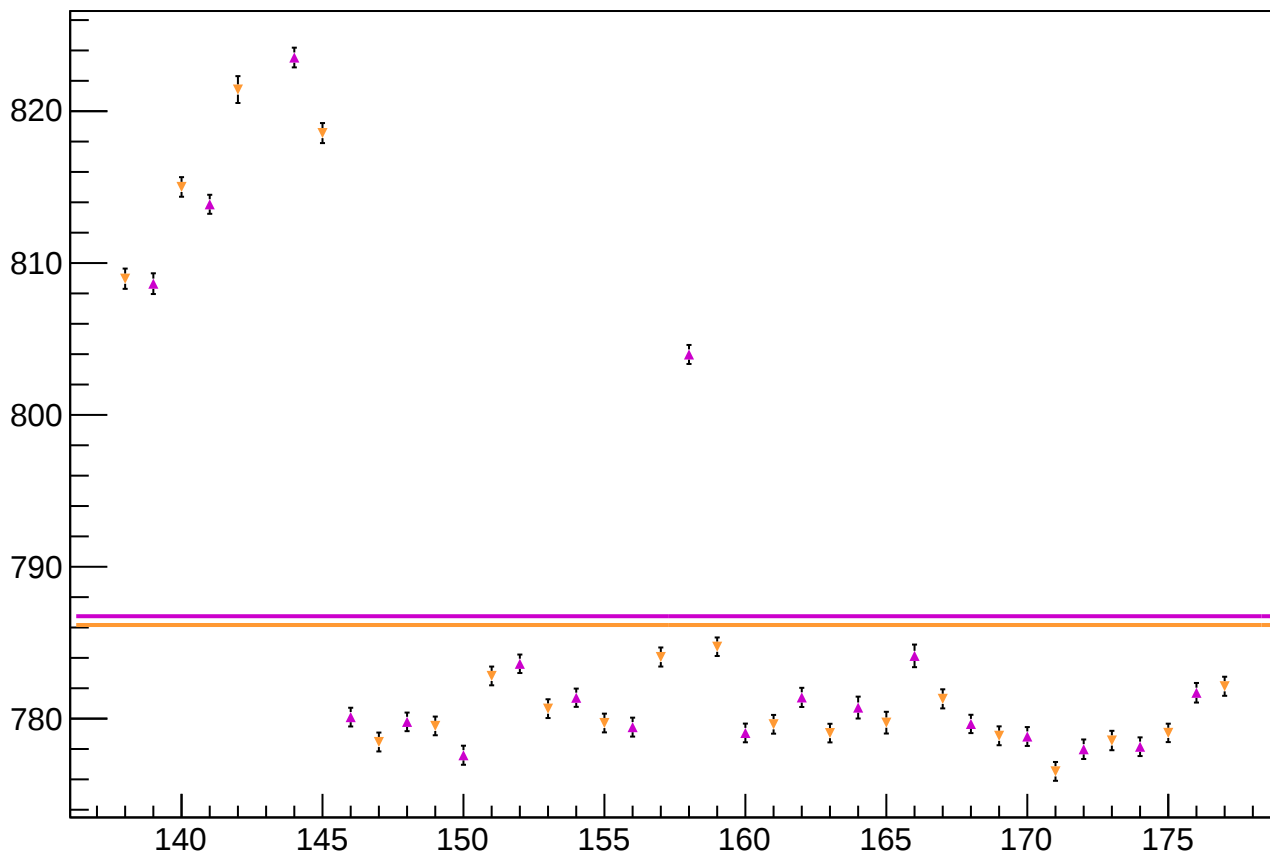
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -332.290+/-205.895 χ^2/NDF :19.9/18

Out: -245.338+/-201.602 χ^2/NDF :18.7/19

All: -287.898+/-144.048 χ^2/NDF : 38.7/38

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 786.165+/-0.143 χ^2/NDF : 8757.7/19

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

Left In: 786.744+/-0.146 χ^2/NDF : 8627.0/18

Left: 786.448+/-0.102 χ^2/NDF : 17392.8/38

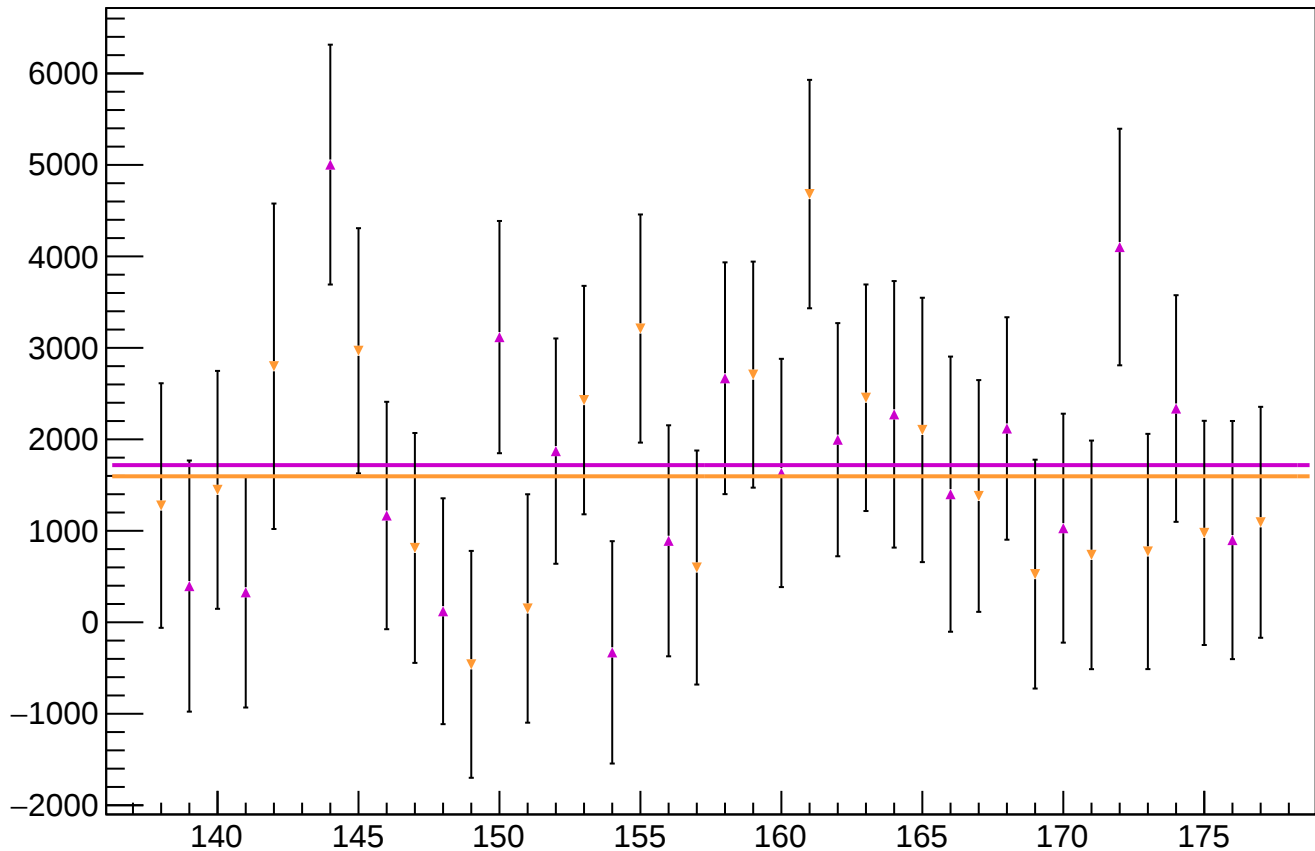
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 786.744+/-0.146 χ^2/NDF : 8627.0/18

Out: 786.165+/-0.143 χ^2/NDF : 8757.7/19

All: 786.448+/-0.102 χ^2/NDF : 17392.8/38

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1595.893+/-287.810 χ^2/NDF :18.4/19

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

Left In: 1718.097+/-293.876 χ^2/NDF :20.1/18

Left: 1655.720+/-205.623 χ^2/NDF : 38.5/38

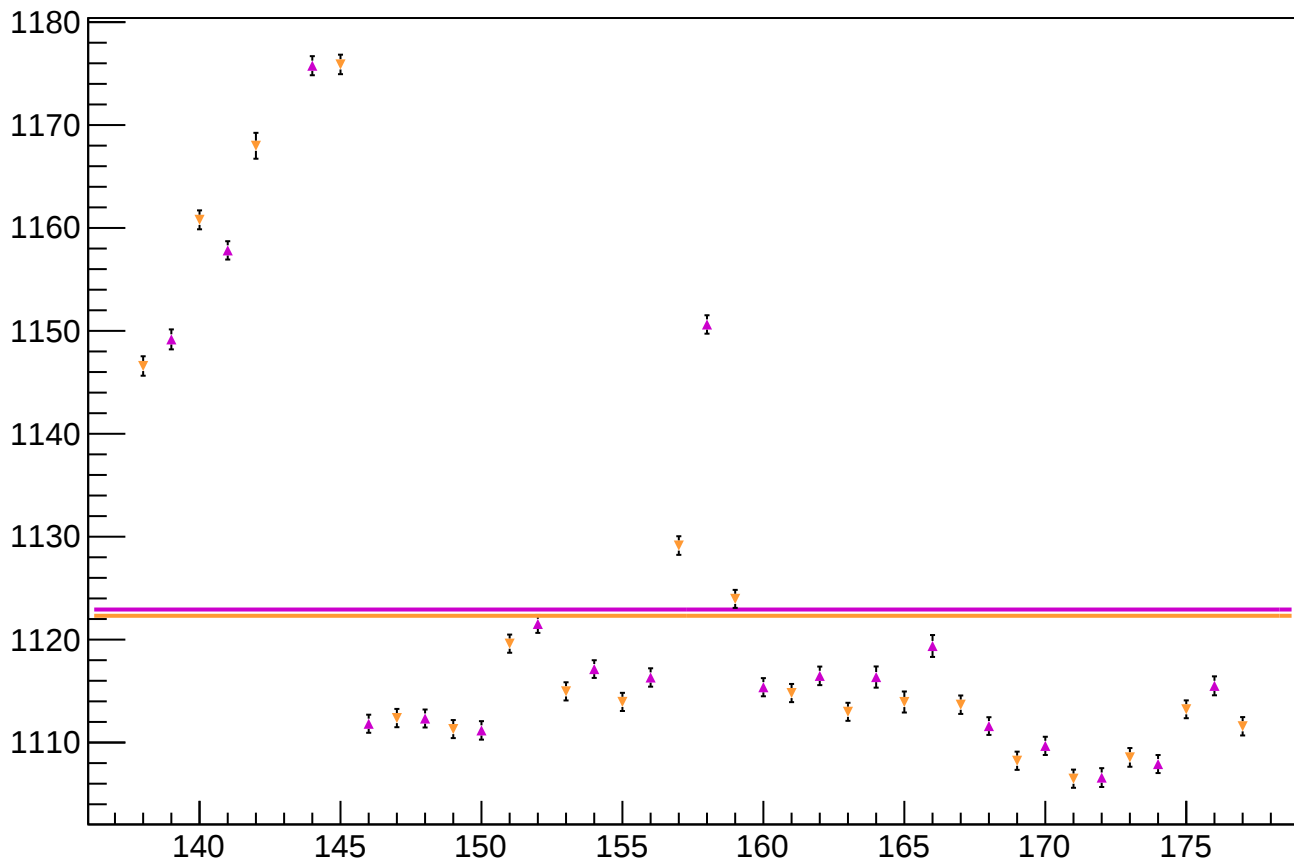
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1718.097+/-293.876 χ^2/NDF :20.1/18

Out: 1595.893+/-287.810 χ^2/NDF :18.4/19

All: 1655.720+/-205.623 χ^2/NDF : 38.5/38

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1122.315+/-0.204 χ^2/NDF : 8839.9/19

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

Left In: 1122.924+/-0.208 χ^2/NDF : 8303.0/18

Left: 1122.613+/-0.145 χ^2/NDF : 17147.3/38

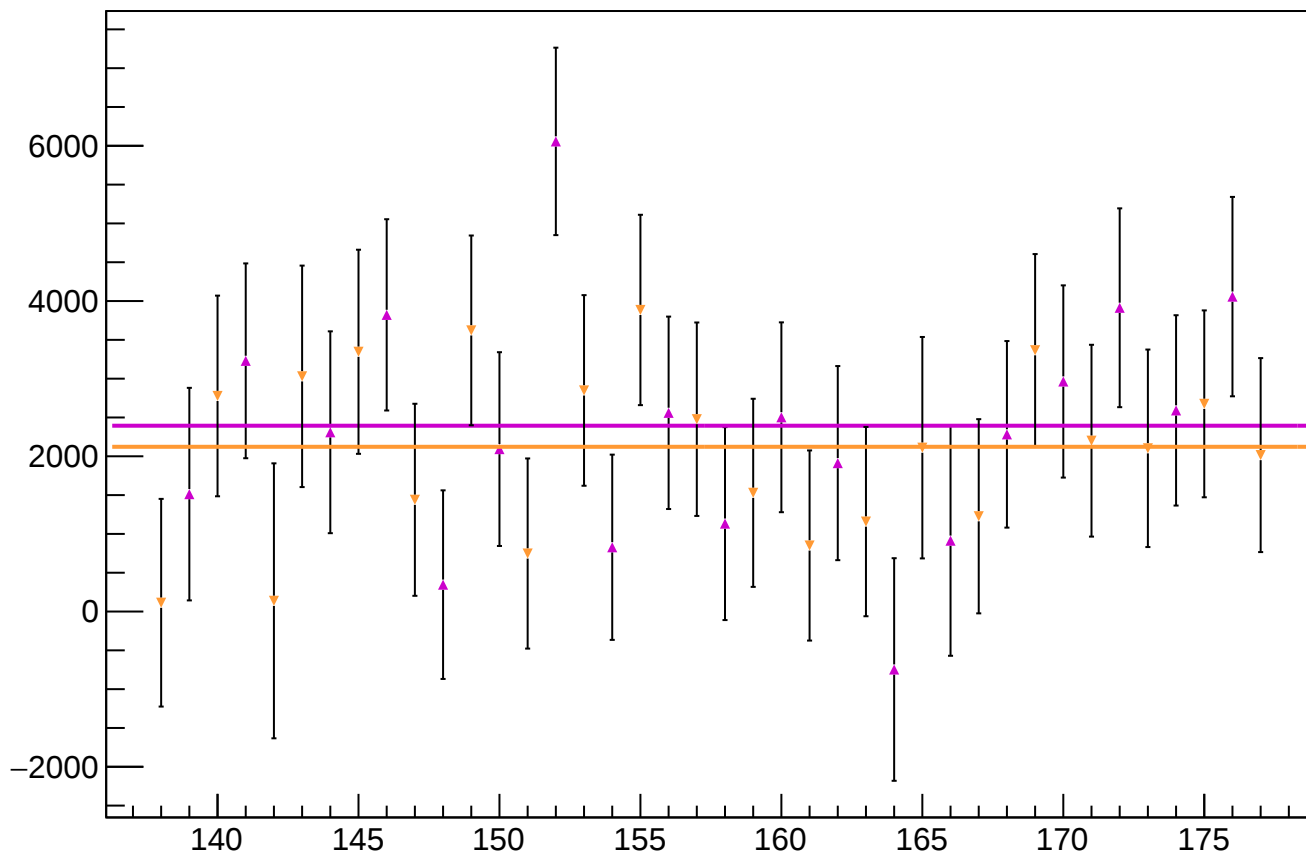
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1122.924+/-0.208 χ^2/NDF : 8303.0/18

Out: 1122.315+/-0.204 χ^2/NDF : 8839.9/19

All: 1122.613+/-0.145 χ^2/NDF : 17147.3/38

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2122.354+/-278.282 χ^2/NDF :14.3/20

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

Left In: 2393.912+/-289.887 χ^2/NDF :26.4/18

Left: 2252.589+/-200.753 χ^2/NDF : 41.1/39

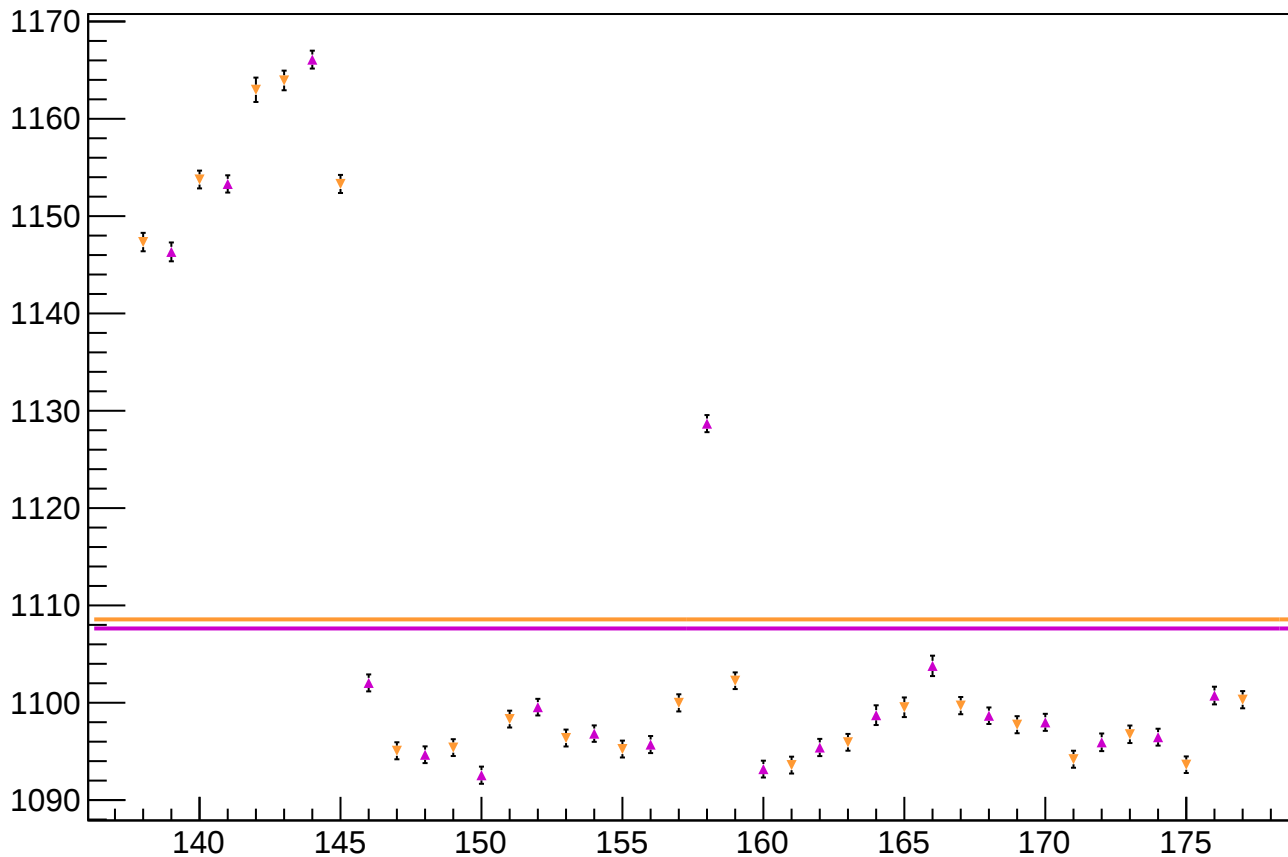
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2393.912+/-289.887 χ^2/NDF :26.4/18

Out: 2122.354+/-278.282 χ^2/NDF :14.3/20

All: 2252.589+/-200.753 χ^2/NDF : 41.1/39

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1108.565+/-0.197 χ^2/NDF :14218.7/20

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

Left In: 1107.631+/-0.205 χ^2/NDF :11046.5/18

Left: 1108.117+/-0.142 χ^2/NDF : 25276.0/39

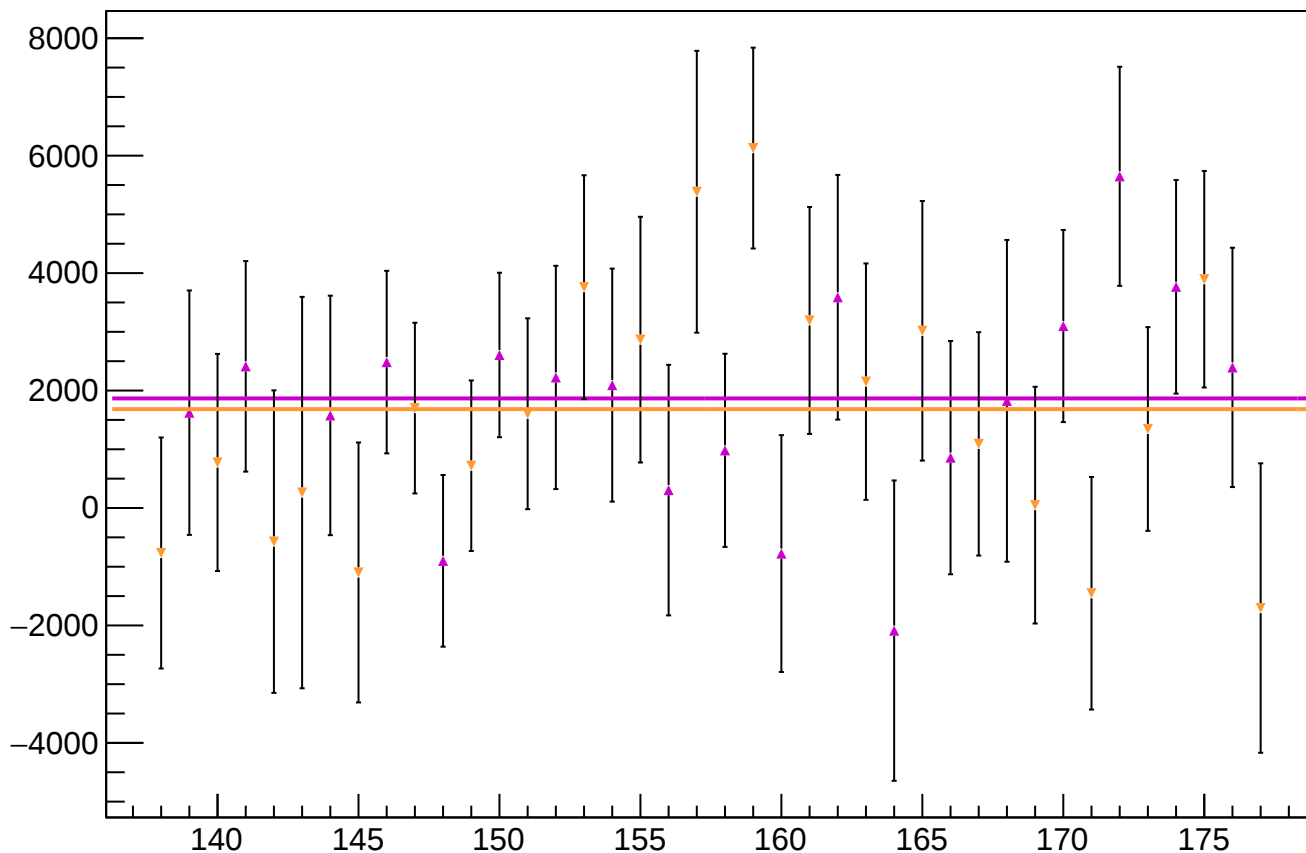
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1107.631+/-0.205 χ^2/NDF :11046.5/18

Out: 1108.565+/-0.197 χ^2/NDF :14218.7/20

All: 1108.117+/-0.142 χ^2/NDF : 25276.0/39

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1683.754+/-421.432 χ^2/NDF :23.1/20

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

Left In: 1865.959+/-425.831 χ^2/NDF :15.9/18

Left: 1773.910+/-299.541 χ^2/NDF : 39.1/39

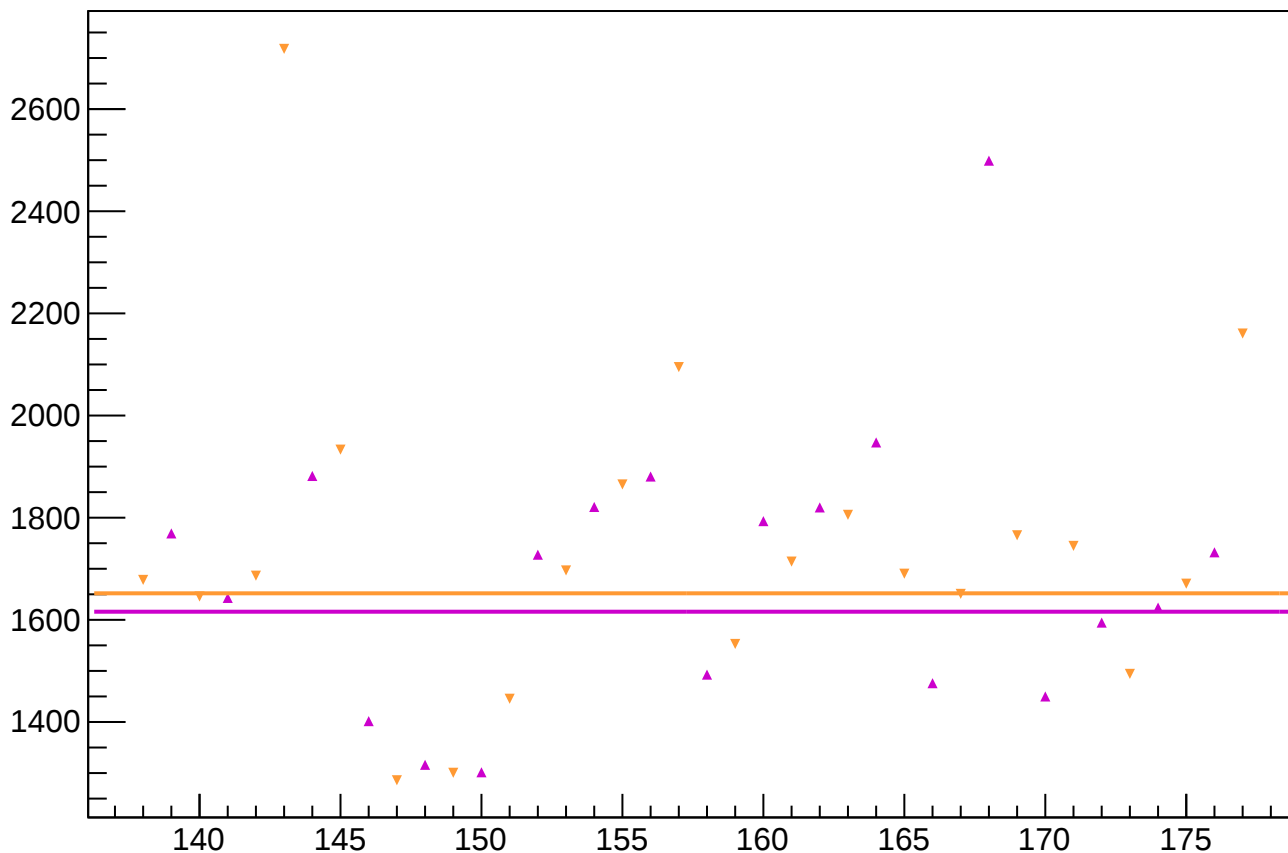
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1865.959+/-425.831 χ^2/NDF :15.9/18

Out: 1683.754+/-421.432 χ^2/NDF :23.1/20

All: 1773.910+/-299.541 χ^2/NDF : 39.1/39

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1651.942+/-0.298 χ^2/NDF :737736.8/20

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

Left In: 1615.917+/-0.301 χ^2/NDF :651815.4/18

Left: 1634.117+/-0.212 χ^2/NDF : 1396783.4/39

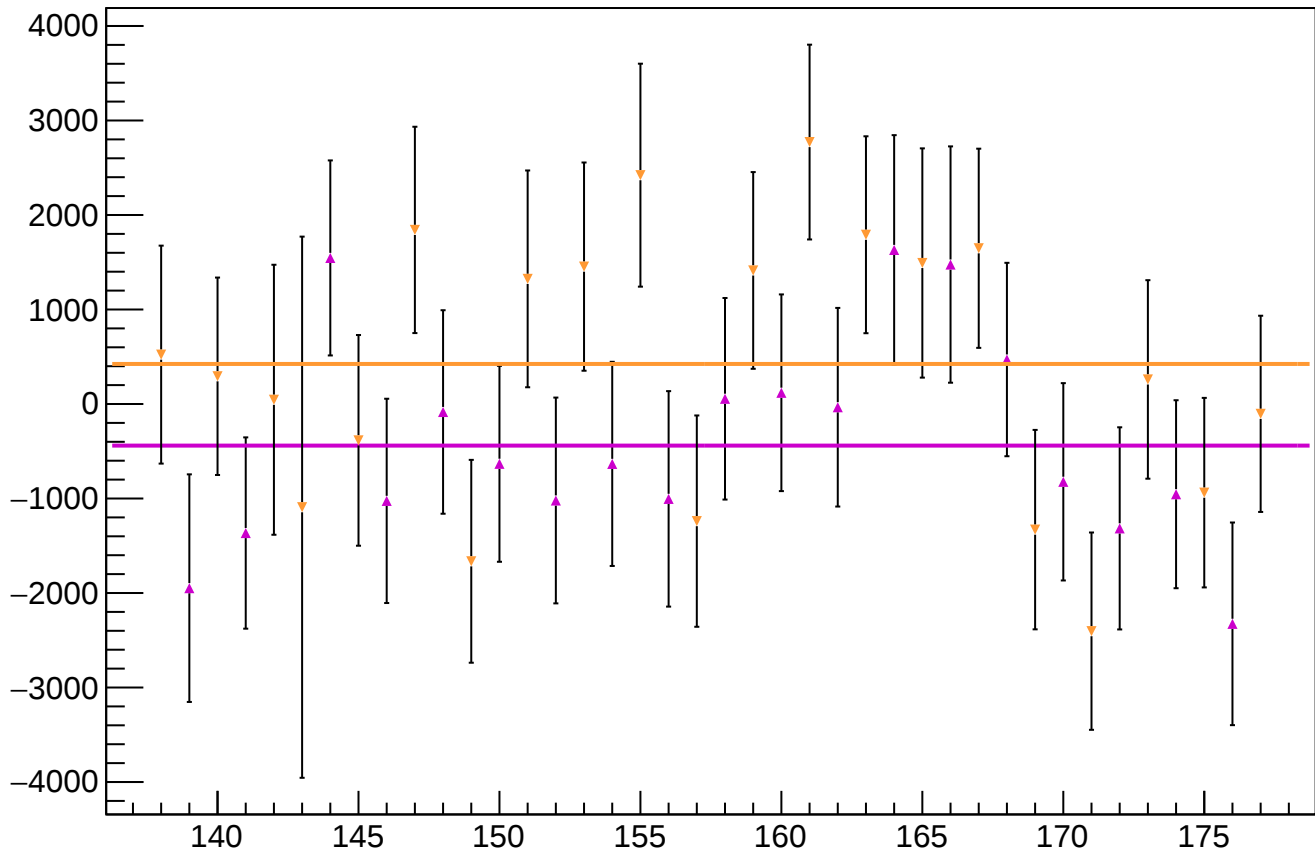
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1615.917+/-0.301 χ^2/NDF :651815.4/18

Out: 1651.942+/-0.298 χ^2/NDF :737736.8/20

All: 1634.117+/-0.212 χ^2/NDF : 1396783.4/39

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 423.768+/-243.212 χ^2/NDF :35.1/20

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

Left In: -440.190+/-247.107 χ^2/NDF :18.0/18

Left: -1.348+/-173.337 χ^2/NDF : 59.3/39

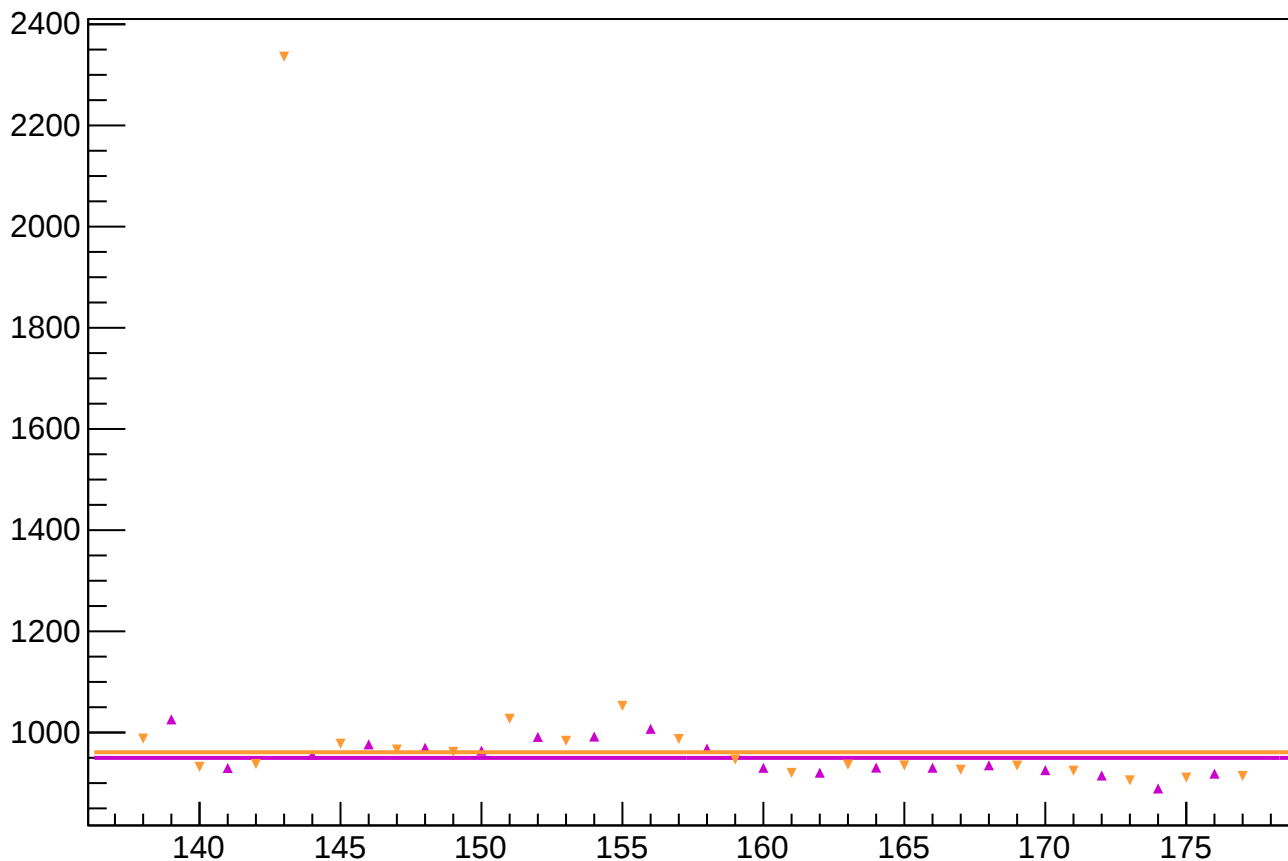
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -440.190+/-247.107 χ^2/NDF :18.0/18

Out: 423.768+/-243.212 χ^2/NDF :35.1/20

All: -1.348+/-173.337 χ^2/NDF : 59.3/39

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 960.982+/-0.172 χ^2/NDF : 511630.1/20

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

Left In: 949.814+/-0.175 χ^2/NDF : 38688.4/18

Left: 955.487+/-0.123 χ^2/NDF : 552393.3/39

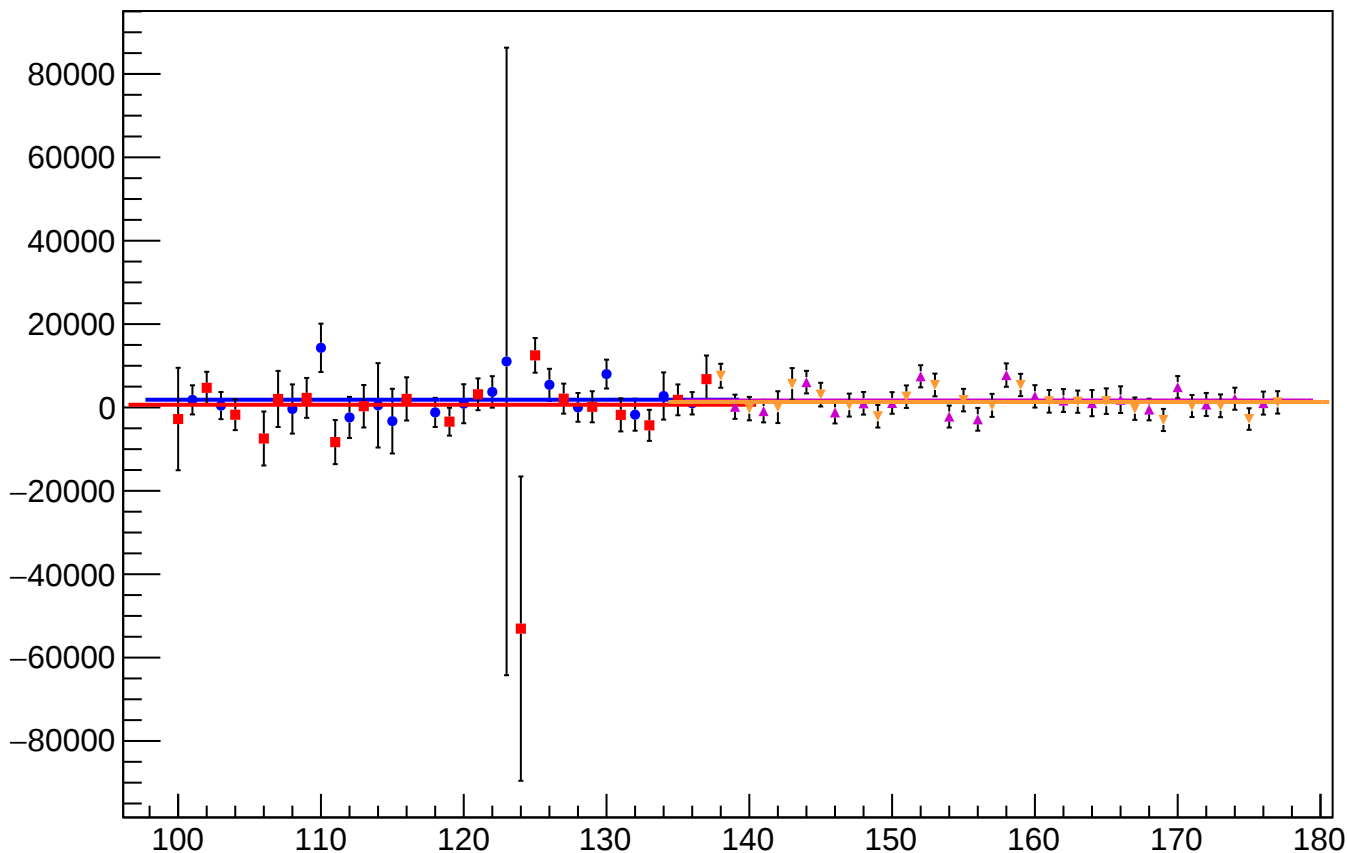
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 949.814+/-0.175 χ^2/NDF : 38688.4/18

Out: 960.982+/-0.172 χ^2/NDF : 511630.1/20

All: 955.487+/-0.123 χ^2/NDF : 552393.3/39

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1315.767+/-610.427 χ^2 /NDF:19.2/20

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

Left In: 1672.453+/-628.434 χ^2 /NDF:22.0/18

Left: 1488.926+/-437.865 χ^2 /NDF: 41.3/39

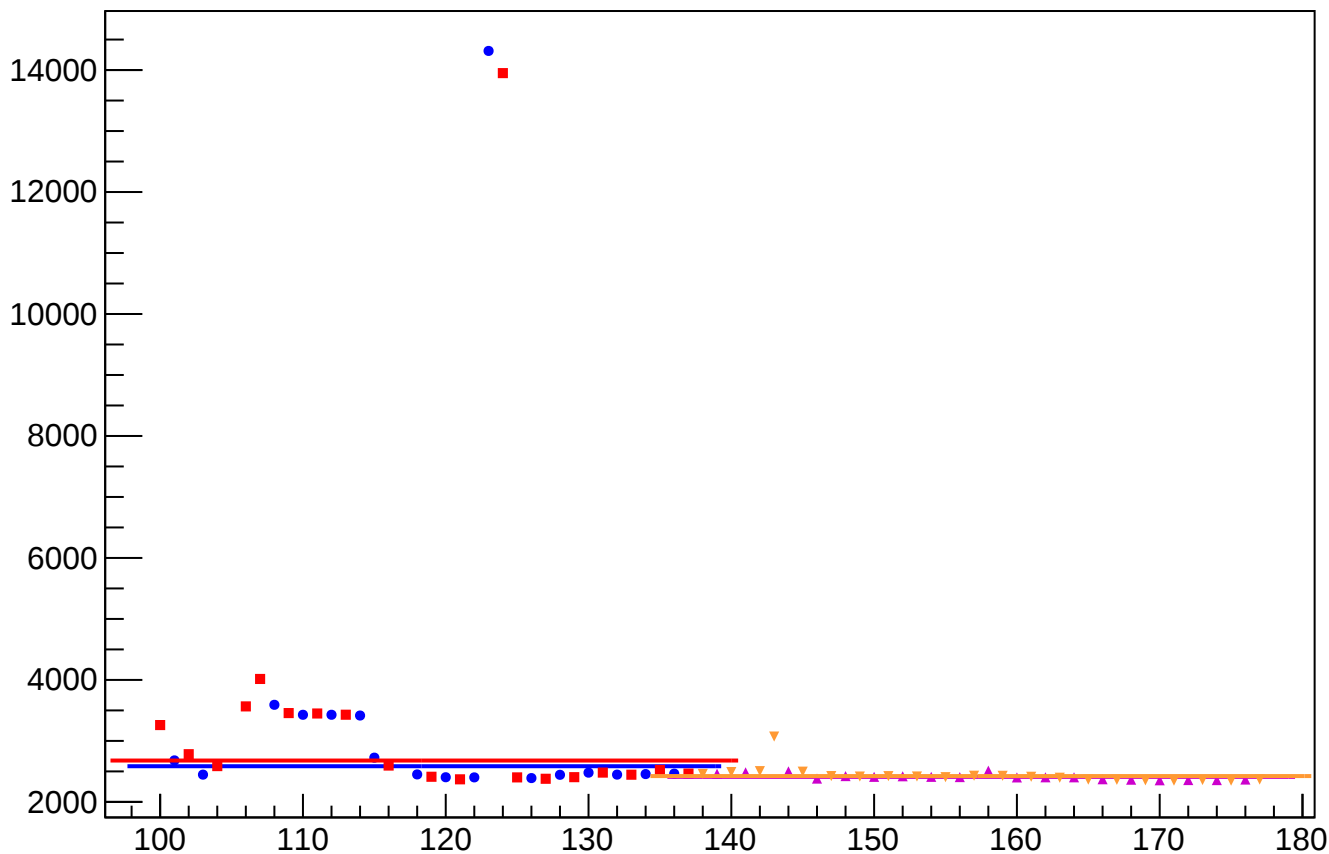
Right: 1263.106+/-720.235 χ^2 /NDF: 35.3/35

In: 1724.476+/-534.084 χ^2 /NDF:34.5/35

Out: 1142.258+/-524.302 χ^2 /NDF:41.6/39

All: 1427.986+/-374.148 χ^2 /NDF: 76.7/75

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2423.338 $\pm$ 0.432 χ^2 /NDF: 70389.0/20

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

Left In: 2409.901 $\pm$ 0.444 χ^2 /NDF: 11176.1/18

Left: 2416.815 $\pm$ 0.310 χ^2 /NDF: 82035.6/39

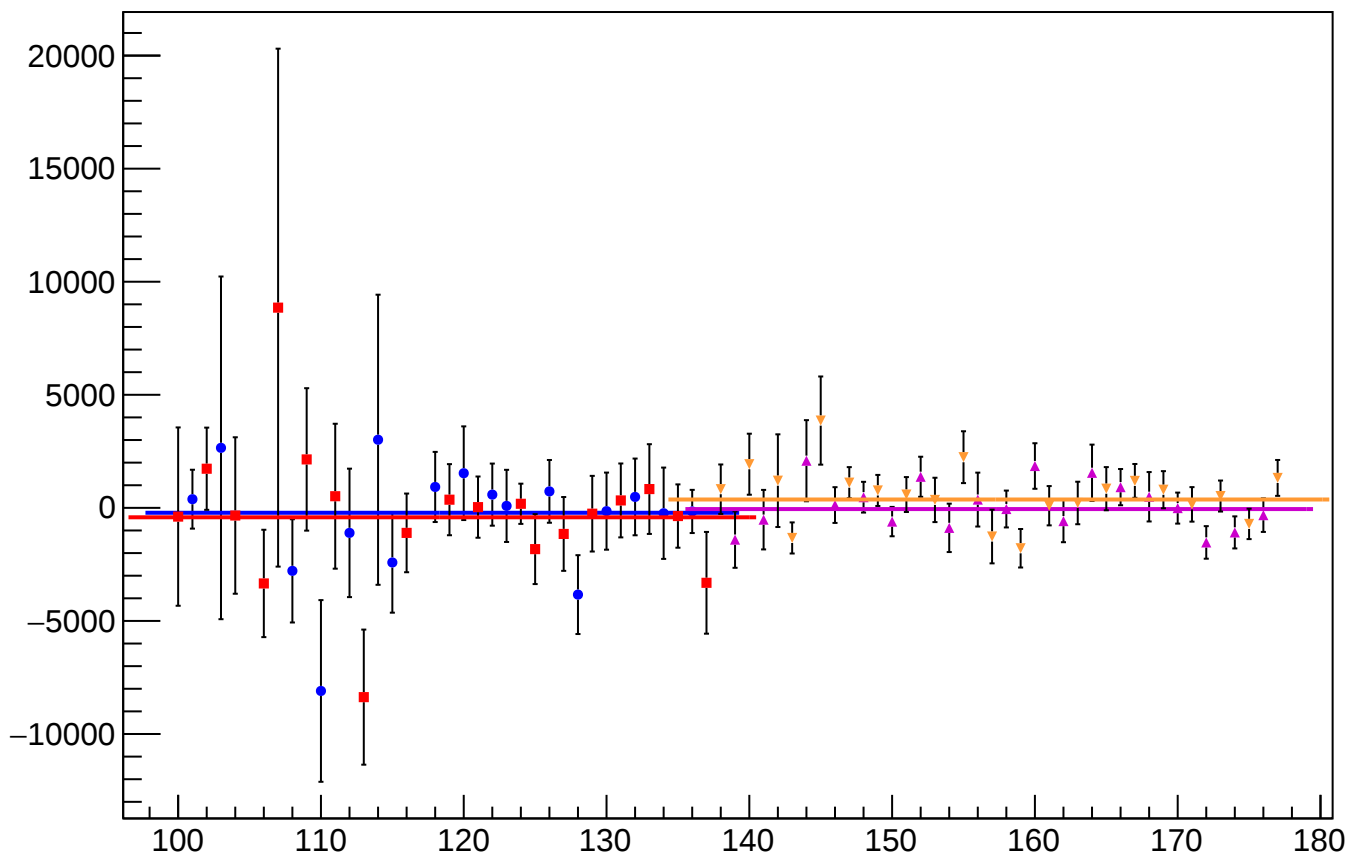
Right: 2631.050 $\pm$ 0.509 χ^2 /NDF: 796216.7/35

In: 2458.481 $\pm$ 0.378 χ^2 /NDF: 309919.3/35

Out: 2490.189 $\pm$ 0.371 χ^2 /NDF: 693944.8/39

All: 2474.628 $\pm$ 0.265 χ^2 /NDF: 1007453.9/75

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 369.828 ± 188.035 $\chi^2/\text{NDF}: 29.6/20$

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

Left In: -53.552 ± 199.763 $\chi^2/\text{NDF}: 21.1/18$

Left: 170.929 ± 136.919 $\chi^2/\text{NDF}: 53.1/39$

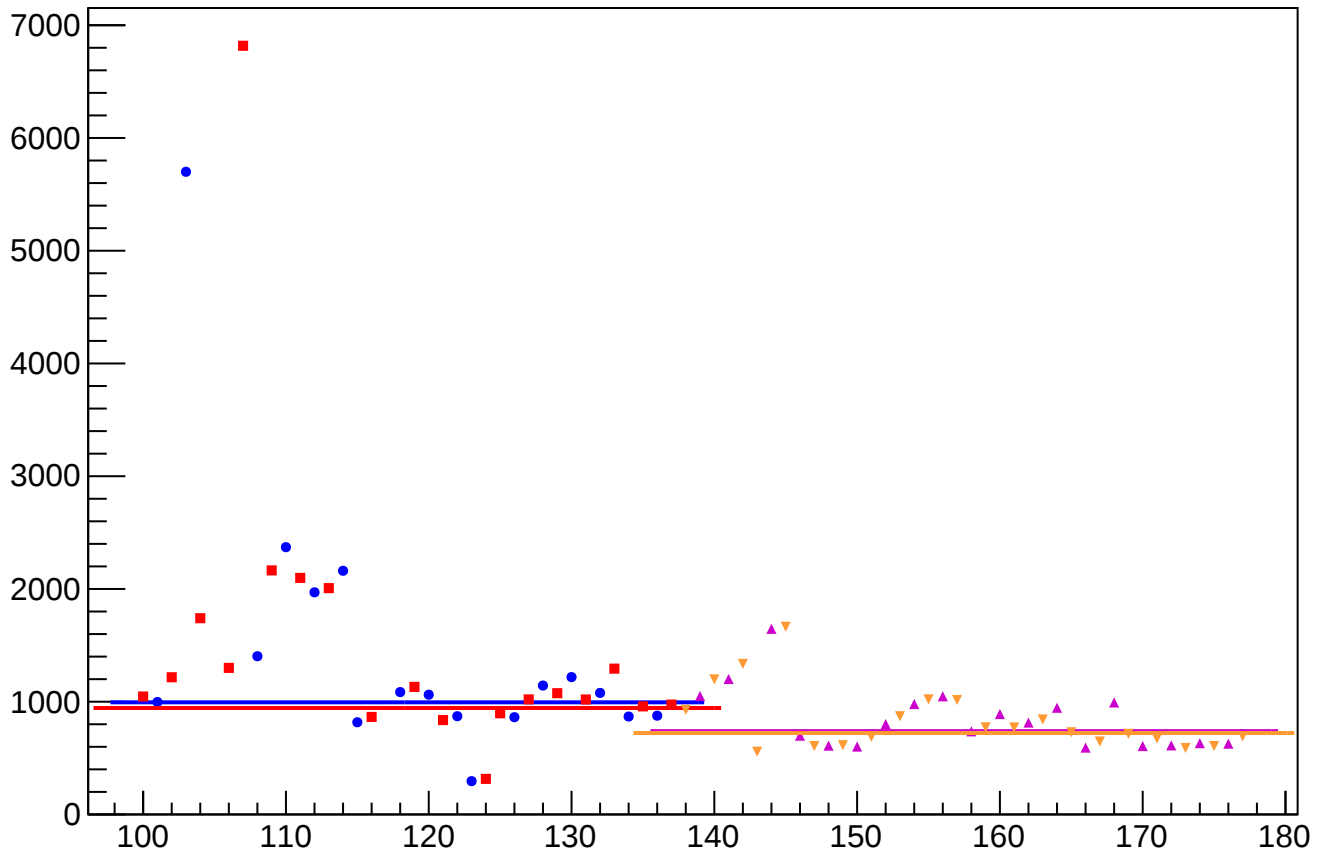
Right: -319.789 ± 293.036 $\chi^2/\text{NDF}: 29.2/35$

In: -83.700 ± 180.403 $\chi^2/\text{NDF}: 34.7/35$

Out: 232.489 ± 170.843 $\chi^2/\text{NDF}: 48.3/39$

All: 82.994 ± 124.047 $\chi^2/\text{NDF}: 84.6/75$

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 722.270+/-0.133 χ^2/NDF :1707799.5/20

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

Left In: 739.116+/-0.141 χ^2/NDF :1810635.7/18

Left: 730.184+/-0.097 χ^2/NDF : 3525976.9/39

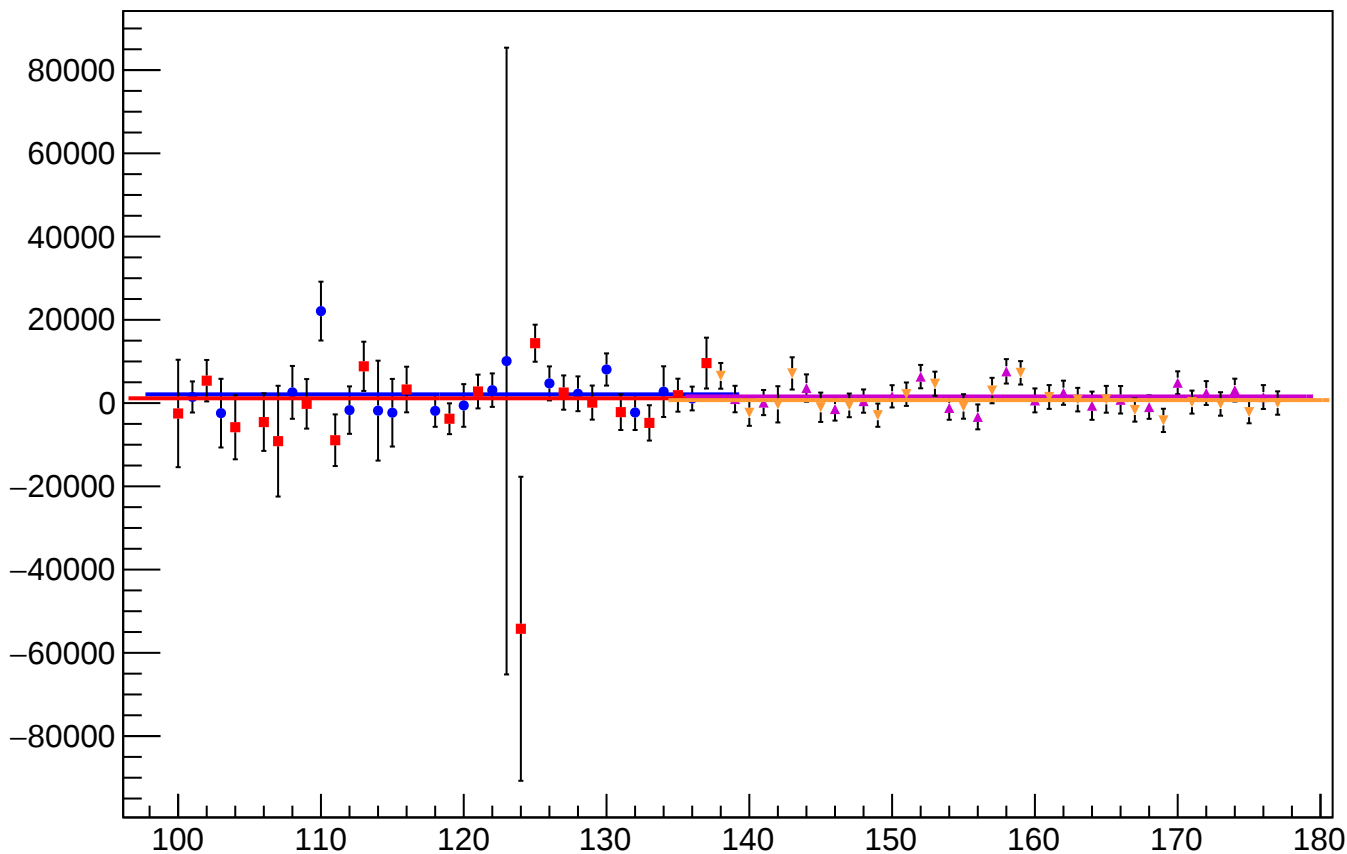
Right: 968.741+/-0.207 χ^2/NDF : 4585251.1/35

In: 786.224+/-0.128 χ^2/NDF :4318242.8/35

Out: 761.012+/-0.121 χ^2/NDF :4860350.6/39

All: 772.932+/-0.088 χ^2/NDF : 9199186.8/75

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 708.983+/-649.087 χ^2/NDF : 22.9/20

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

Left In: 1588.170+/-669.909 χ^2/NDF : 16.1/18

Left: 1134.701+/-466.161 χ^2/NDF : 39.9/39

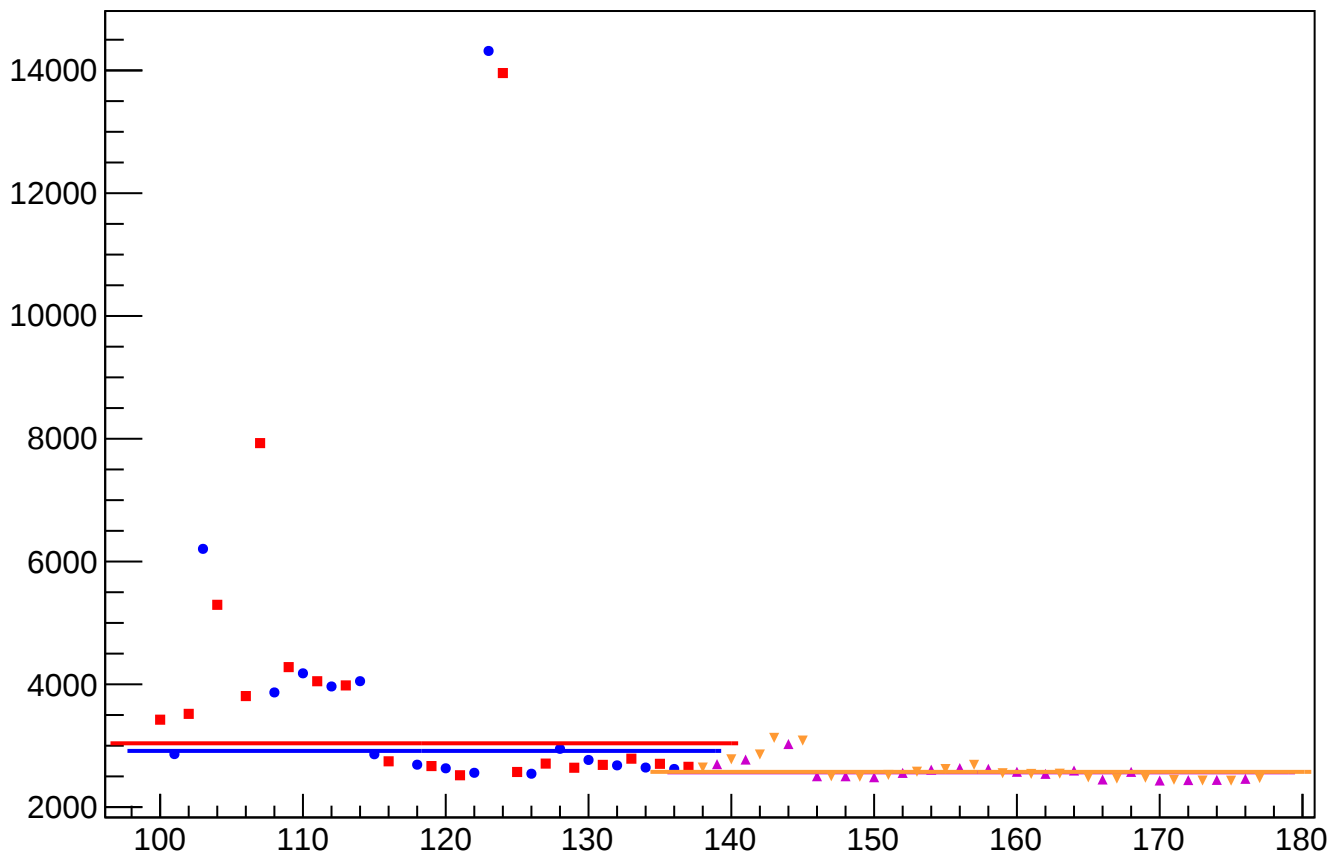
Right: 1631.633+/-829.783 χ^2/NDF : 40.1/35

In: 1714.623+/-580.172 χ^2/NDF : 30.8/35

Out: 809.991+/-569.502 χ^2/NDF : 48.2/39

All: 1253.911+/-406.419 χ^2/NDF : 80.3/75

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2573.904+/-0.459 χ^2/NDF :132715.4/20

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

Left In: 2565.904+/-0.474 χ^2/NDF :76846.2/18

Left: 2570.030+/-0.330 χ^2/NDF : 209708.7/39

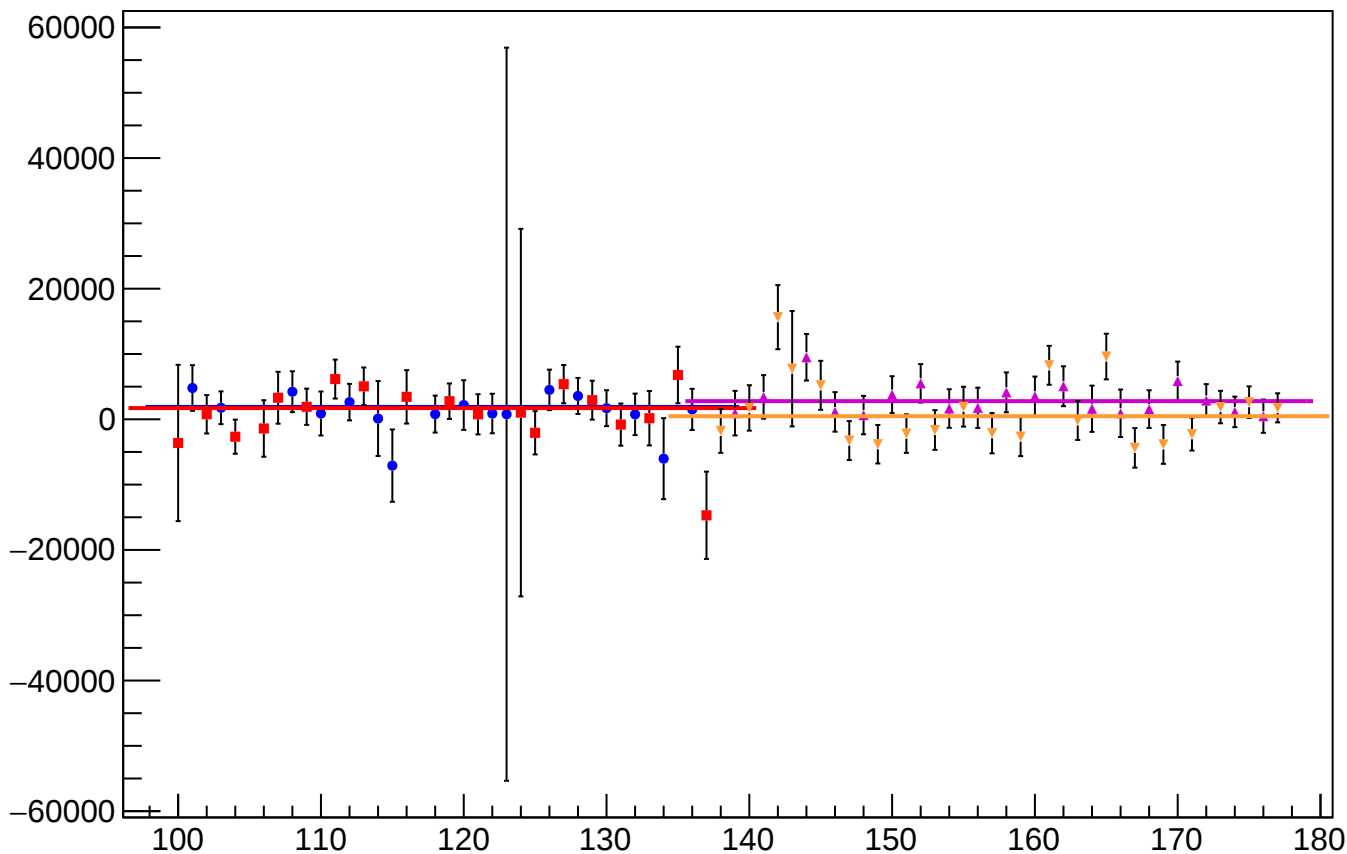
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

In: 2653.216+/-0.410 χ^2/NDF :851897.4/35

Out: 2680.996+/-0.403 χ^2/NDF :1380609.7/39

All: 2667.364+/-0.287 χ^2/NDF : 2234842.5/75

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 472.884 $\pm$ 660.056 χ^2 /NDF:40.5/20

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

Left In: 2780.004 $\pm$ 682.529 χ^2 /NDF:9.7/18

Left: 1587.837 $\pm$ 474.476 χ^2 /NDF: 56.1/39

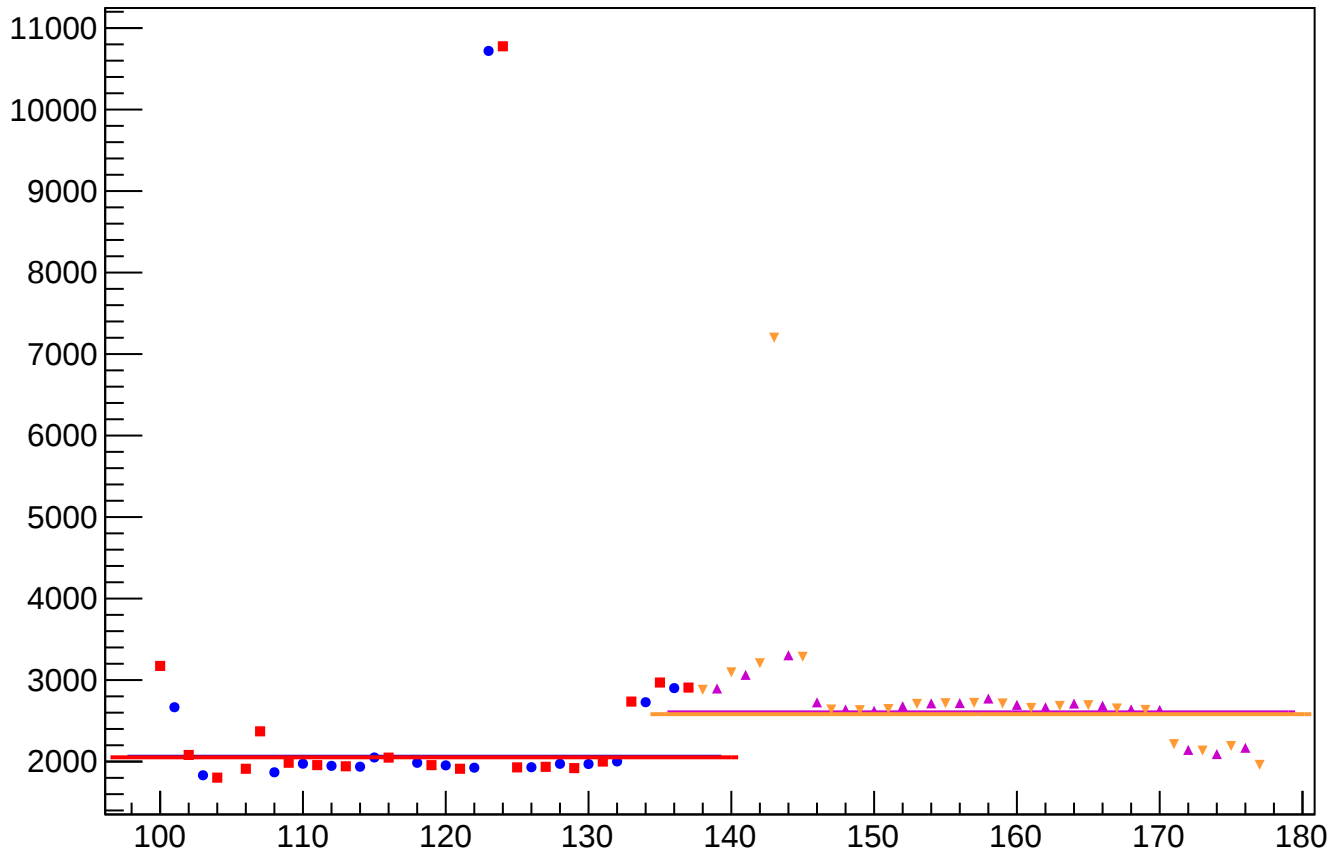
Right: 1802.263 $\pm$ 566.080 χ^2 /NDF: 26.2/35

In: 2411.202 $\pm$ 522.322 χ^2 /NDF:17.6/35

Out: 985.133 $\pm$ 506.554 χ^2 /NDF:60.9/39

All: 1676.318 $\pm$ 363.635 χ^2 /NDF: 82.4/75

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2581.439+/-0.467 χ^2/NDF :1049478.6/20

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

Left In: 2603.557+/-0.483 χ^2/NDF :373626.6/18

Left: 2592.128+/-0.336 χ^2/NDF : 1424190.5/39

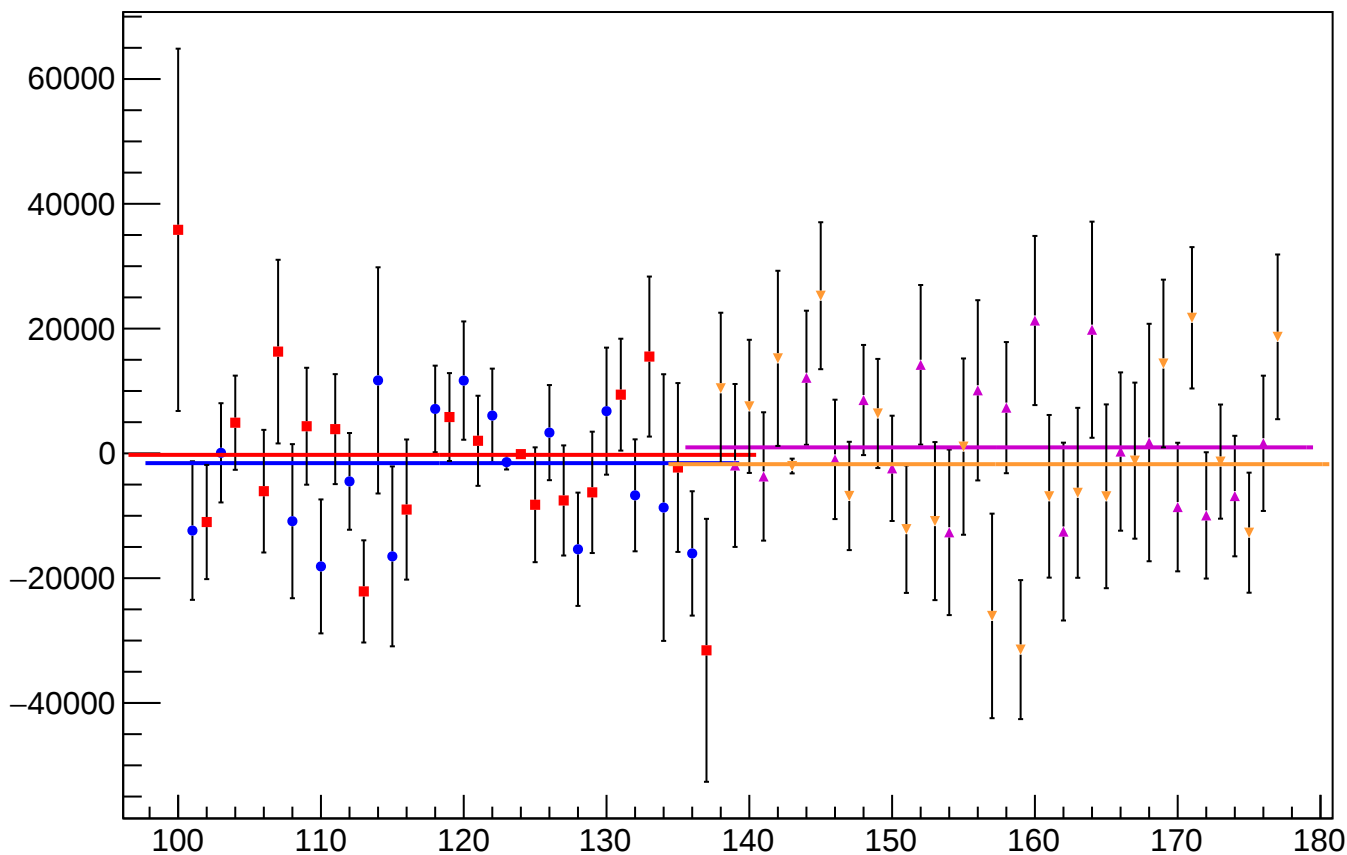
Right: 2055.522+/-0.400 χ^2/NDF : 761953.2/35

In: 2377.901+/-0.369 χ^2/NDF :1219789.4/35

Out: 2363.927+/-0.358 χ^2/NDF :2021189.7/39

All: 2370.700+/-0.257 χ^2/NDF : 3241716.8/75

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1563.218 ± 1053.946 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -1729.381 ± 1074.637 $\chi^2/\text{NDF}: 30.5/20$

Right Out: -236.197 ± 695.167 $\chi^2/\text{NDF}: 20.8/18$

Left In: 964.686 ± 2594.998 $\chi^2/\text{NDF}: 12.2/18$

Left: -1334.998 ± 992.869 $\chi^2/\text{NDF}: 43.6/39$

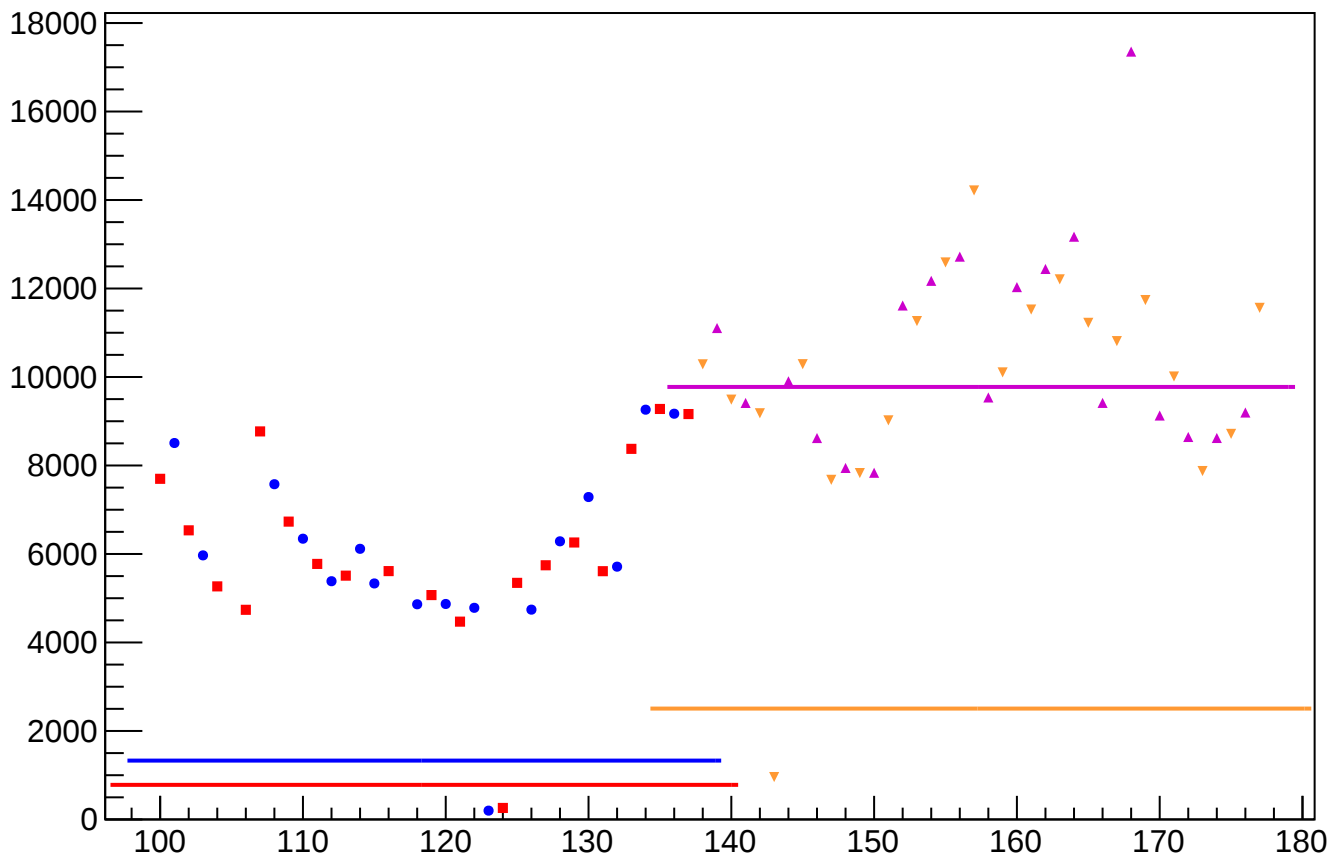
Right: -638.499 ± 580.304 $\chi^2/\text{NDF}: 38.1/35$

In: -1205.274 ± 976.481 $\chi^2/\text{NDF}: 29.2/35$

Out: -676.702 ± 583.688 $\chi^2/\text{NDF}: 52.6/39$

All: -815.846 ± 501.006 $\chi^2/\text{NDF}: 82.0/75$

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250+/-0.745 χ^2/NDF : 10046828.9/16

Left Out: 2506.000+/-0.760 χ^2/NDF : 20461002.9/20

Right Out: 781.848+/-0.492 χ^2/NDF : 11439893.7/18

Left In: 9775.329+/-1.835 χ^2/NDF : 1023469.8/18

Left: 3570.153+/-0.702 χ^2/NDF : 34881379.2/39

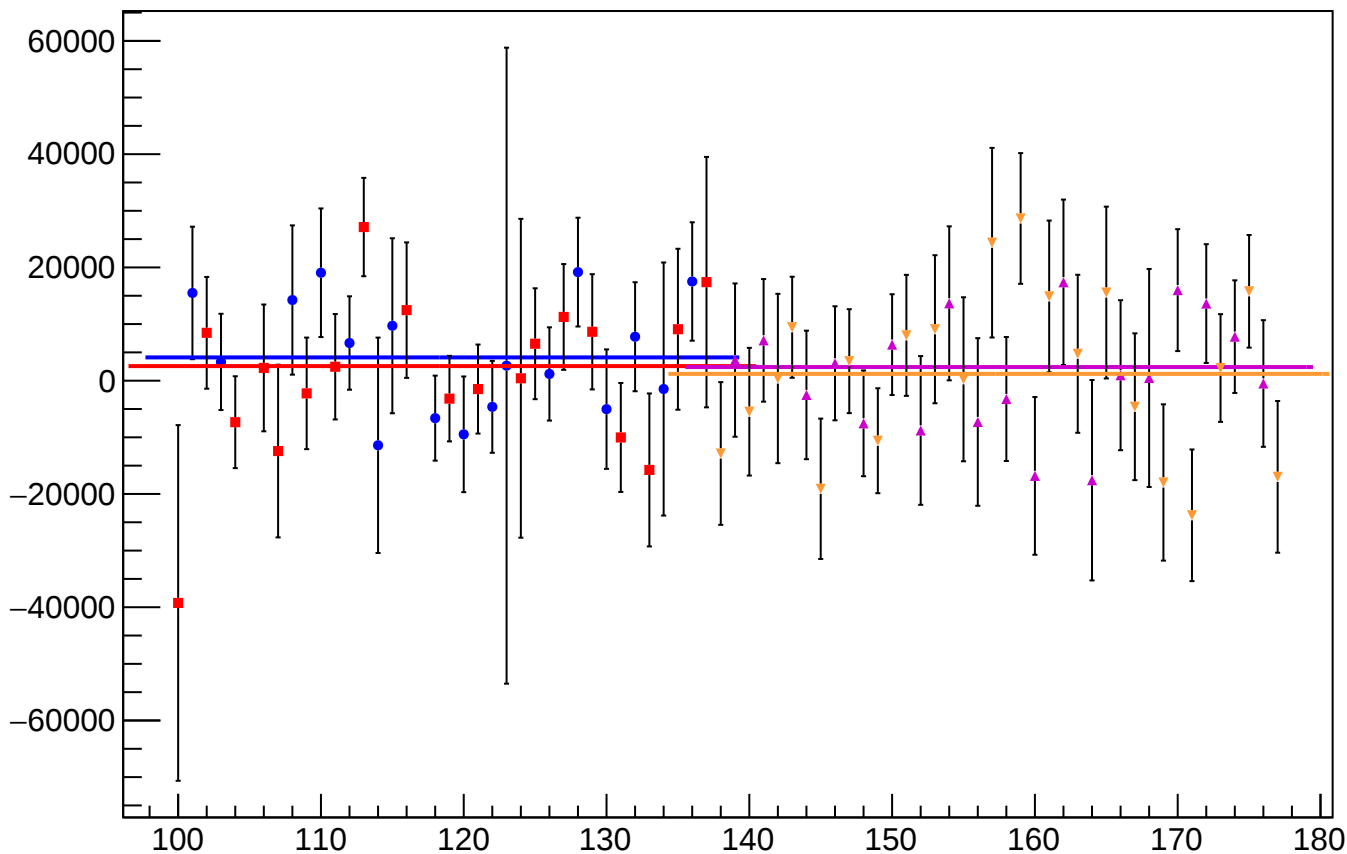
Right: 948.102+/-0.410 χ^2/NDF : 21864055.1/35

In: 2526.047+/-0.690 χ^2/NDF : 29252850.1/35

Out: 1290.491+/-0.413 χ^2/NDF : 35530341.1/39

All: 1615.743+/-0.354 χ^2/NDF : 67142317.2/79

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 1204.190+/-2564.111 χ^2/NDF : 27.9/20

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

Left In: 2410.171+/-2700.680 χ^2/NDF : 11.2/18

Left: 1775.918+/-1859.507 χ^2/NDF : 39.2/39

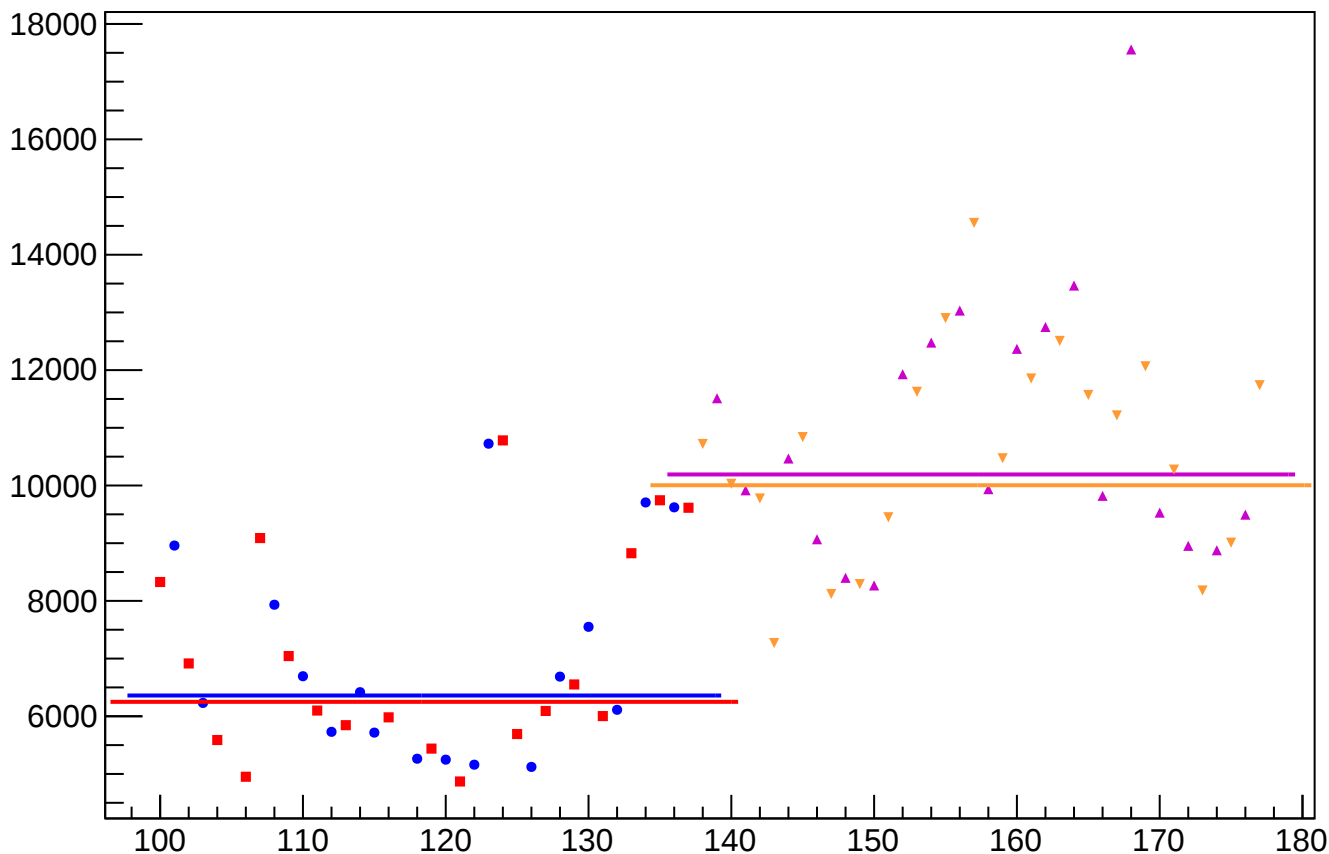
Right: 3309.487+/-1750.441 χ^2/NDF : 34.5/35

In: 3314.956+/-1848.098 χ^2/NDF : 25.7/35

Out: 1930.500+/-1760.125 χ^2/NDF : 48.0/39

All: 2588.993+/-1274.563 χ^2/NDF : 74.0/75

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 10004.619+/-1.813 χ^2/NDF : 937864.0/20

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

Left In: 10191.409+/-1.910 χ^2/NDF : 930966.6/18

Left: 10093.172+/-1.315 χ^2/NDF : 1873862.3/39

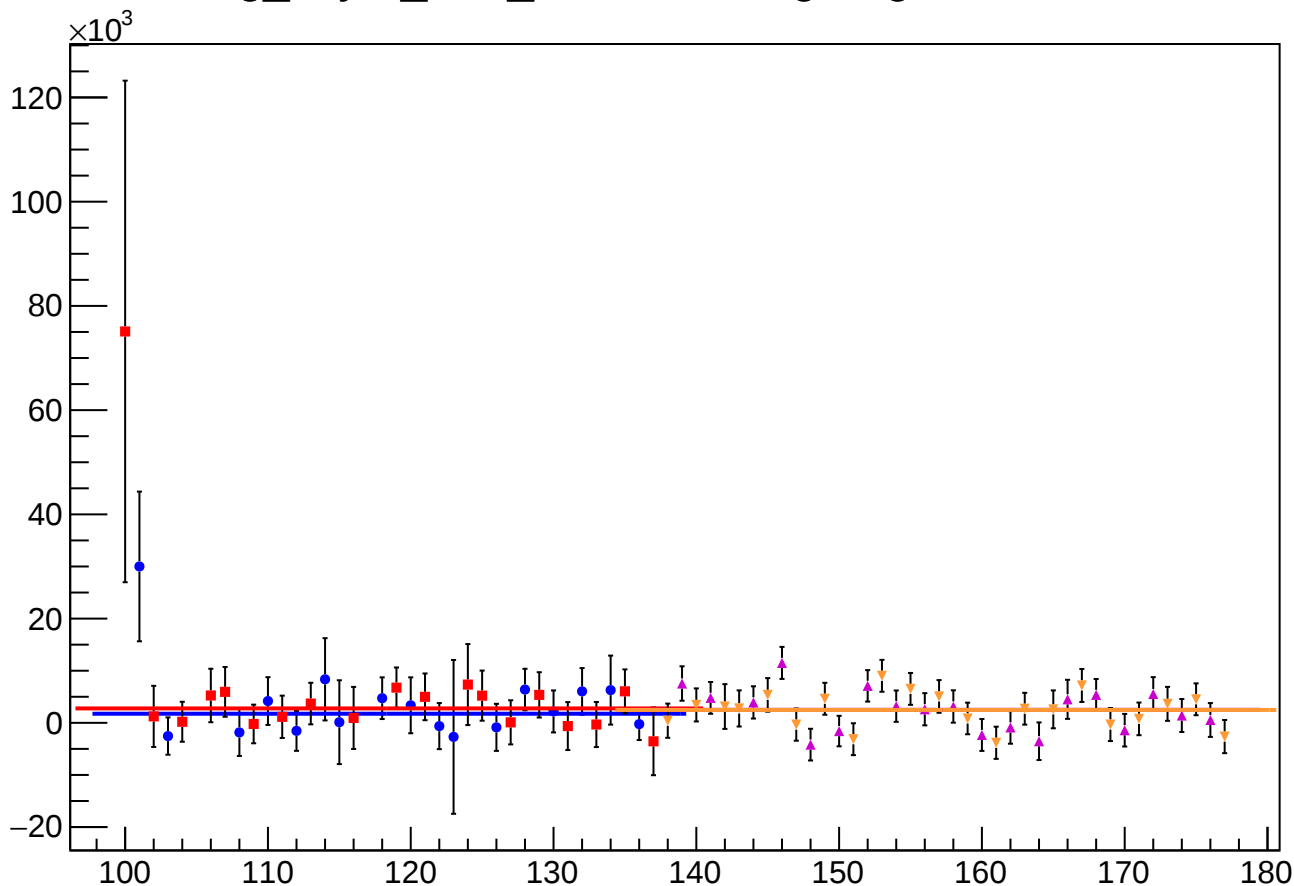
Right: 6302.460+/-1.238 χ^2/NDF : 1115403.3/35

In: 8154.117+/-1.307 χ^2/NDF : 3651880.5/35

Out: 8019.150+/-1.245 χ^2/NDF : 3738499.6/39

All: 8083.343+/-0.901 χ^2/NDF : 7395973.6/75

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2475.962 $\pm$ 697.049 χ^2 /NDF: 23.9/20

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

Left In: 2496.131 $\pm$ 721.704 χ^2 /NDF: 31.4/18

Left: 2485.696 $\pm$ 501.378 χ^2 /NDF: 55.3/39

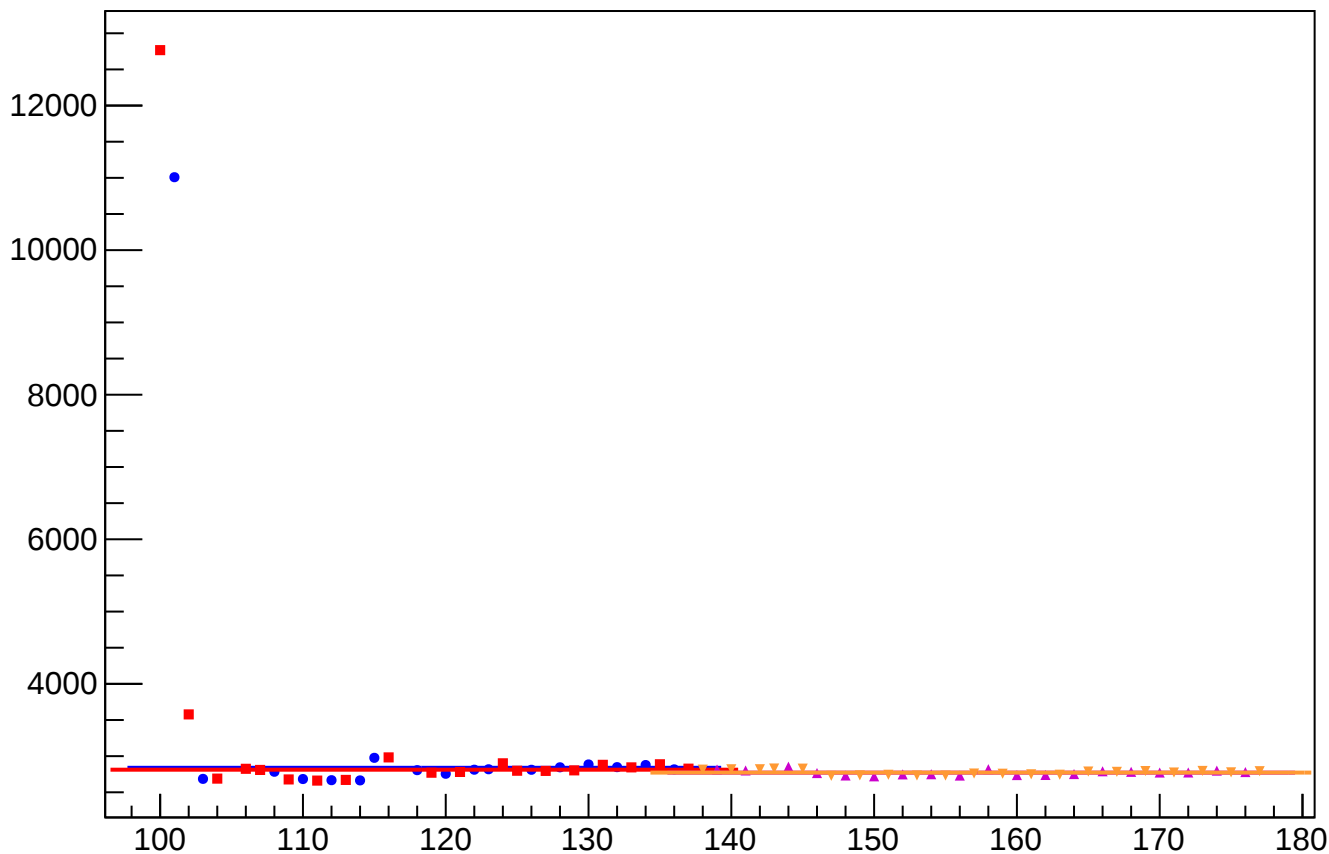
Right: 2281.084 $\pm$ 777.212 χ^2 /NDF: 22.3/35

In: 2278.394 $\pm$ 608.005 χ^2 /NDF: 43.9/35

Out: 2561.521 $\pm$ 584.365 χ^2 /NDF: 33.7/39

All: 2425.569 $\pm$ 421.318 χ^2 /NDF: 77.7/75

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2772.585 $\pm$ 0.493 χ^2 /NDF: 4415.6/20

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

Left In: 2771.345 $\pm$ 0.510 χ^2 /NDF: 4721.3/18

Left: 2771.986 $\pm$ 0.355 χ^2 /NDF: 9139.9/39

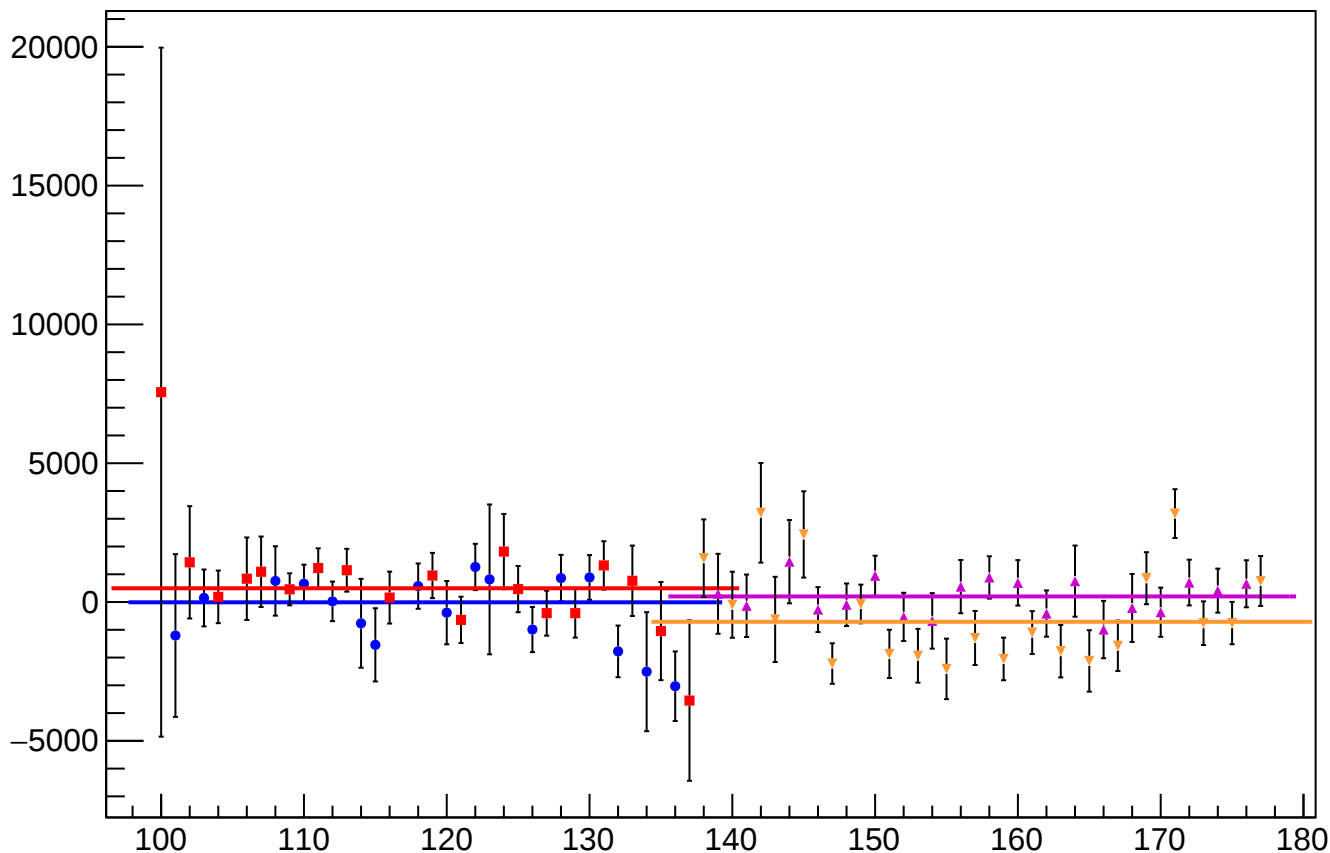
Right: 2825.011 $\pm$ 0.550 χ^2 /NDF: 793836.1/35

In: 2790.907 $\pm$ 0.430 χ^2 /NDF: 669992.6/35

Out: 2784.485 $\pm$ 0.413 χ^2 /NDF: 139441.0/39

All: 2787.568 $\pm$ 0.298 χ^2 /NDF: 809549.6/75

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -9.845 ± 241.678 $\chi^2/\text{NDF}: 20.7/16$

Left Out: -712.691 ± 203.603 $\chi^2/\text{NDF}: 55.3/20$

Right Out: 495.250 ± 221.487 $\chi^2/\text{NDF}: 11.9/18$

Left In: 201.901 ± 209.095 $\chi^2/\text{NDF}: 8.5/18$

Left: -267.562 ± 145.872 $\chi^2/\text{NDF}: 73.6/39$

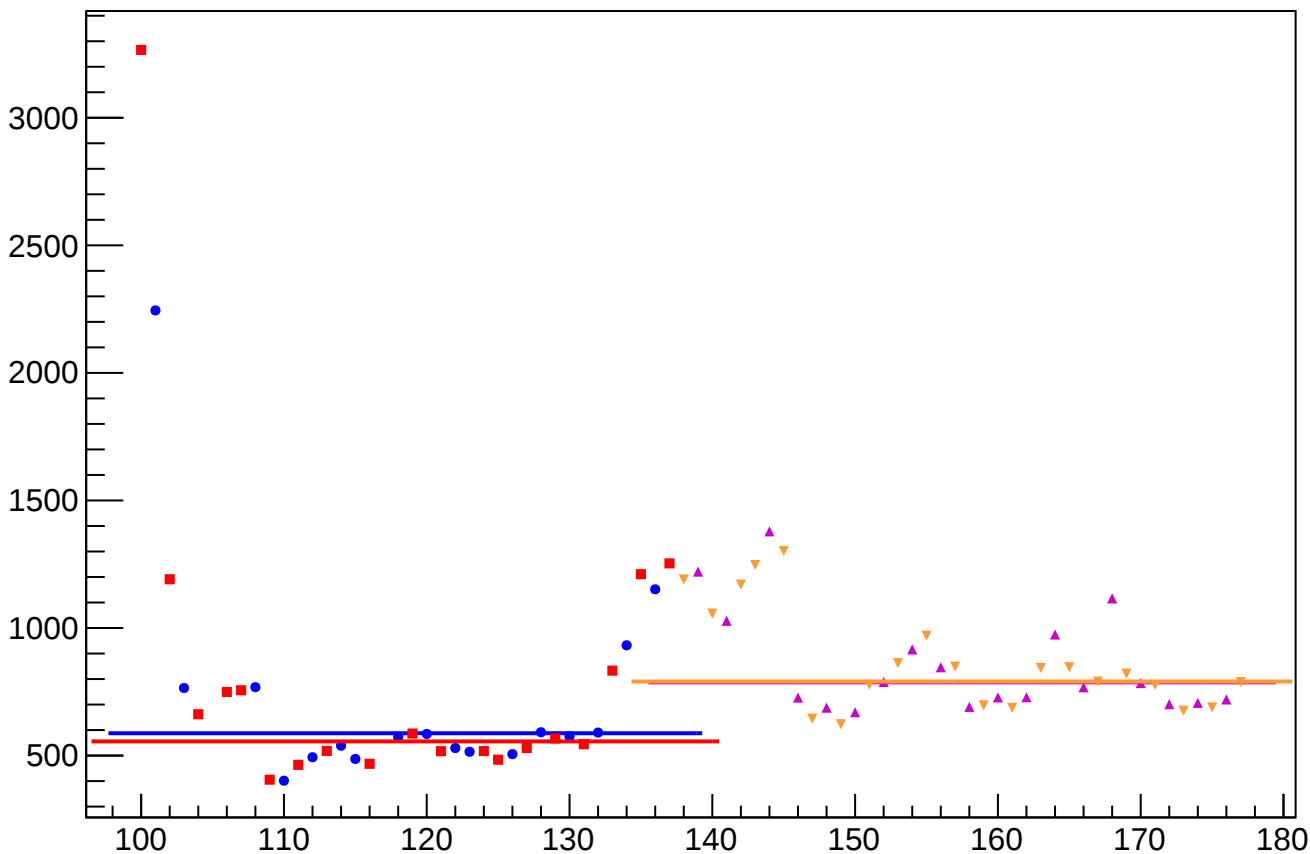
Right: 264.680 ± 163.287 $\chi^2/\text{NDF}: 35.0/35$

In: 111.254 ± 158.127 $\chi^2/\text{NDF}: 29.6/35$

Out: -159.449 ± 149.894 $\chi^2/\text{NDF}: 83.3/39$

All: -31.328 ± 108.785 $\chi^2/\text{NDF}: 114.4/75$

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 587.596 $\pm$ 0.171 χ^2 /NDF: 1425769.6/16

Left Out: 790.308 $\pm$ 0.144 χ^2 /NDF: 1172343.7/20

Right Out: 555.534 $\pm$ 0.157 χ^2 /NDF: 1106760.5/18

Left In: 787.023 $\pm$ 0.148 χ^2 /NDF: 1017398.9/18

Left: 788.709 $\pm$ 0.103 χ^2 /NDF: 2189996.0/39

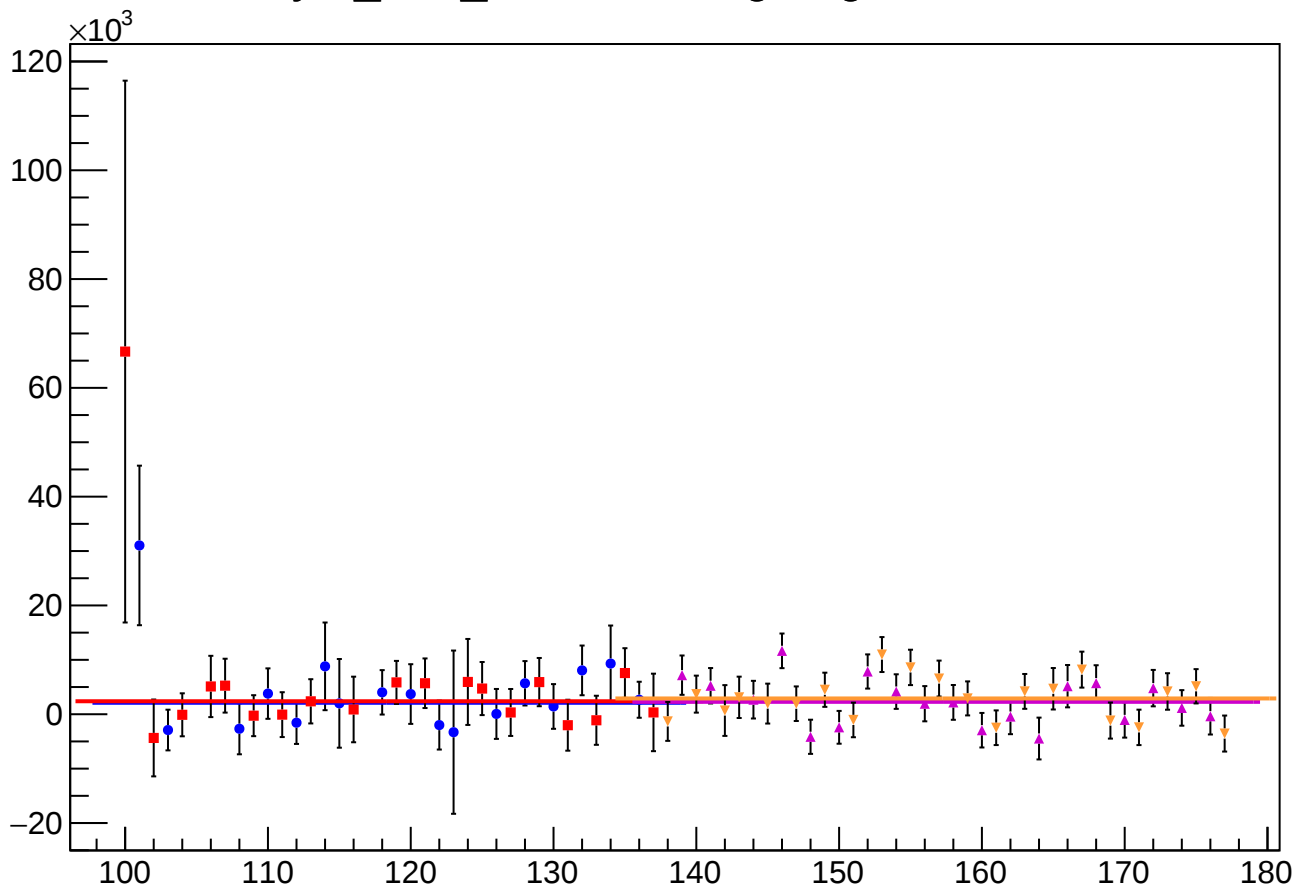
Right: 570.170 $\pm$ 0.115 χ^2 /NDF: 2551661.9/35

In: 701.650 $\pm$ 0.112 χ^2 /NDF: 3222005.4/35

Out: 682.780 $\pm$ 0.106 χ^2 /NDF: 3497055.5/39

All: 691.711 $\pm$ 0.077 χ^2 /NDF: 6734061.3/75

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2108.498 $\pm$ 1164.336 χ^2 /NDF: 13.5/16

Left Out: 2901.131 $\pm$ 733.023 χ^2 /NDF: 28.7/20

Right Out: 2385.851 $\pm$ 1110.248 χ^2 /NDF: 9.9/18

Left In: 2280.564 $\pm$ 757.163 χ^2 /NDF: 31.9/18

Left: 2600.897 $\pm$ 526.653 χ^2 /NDF: 61.0/39

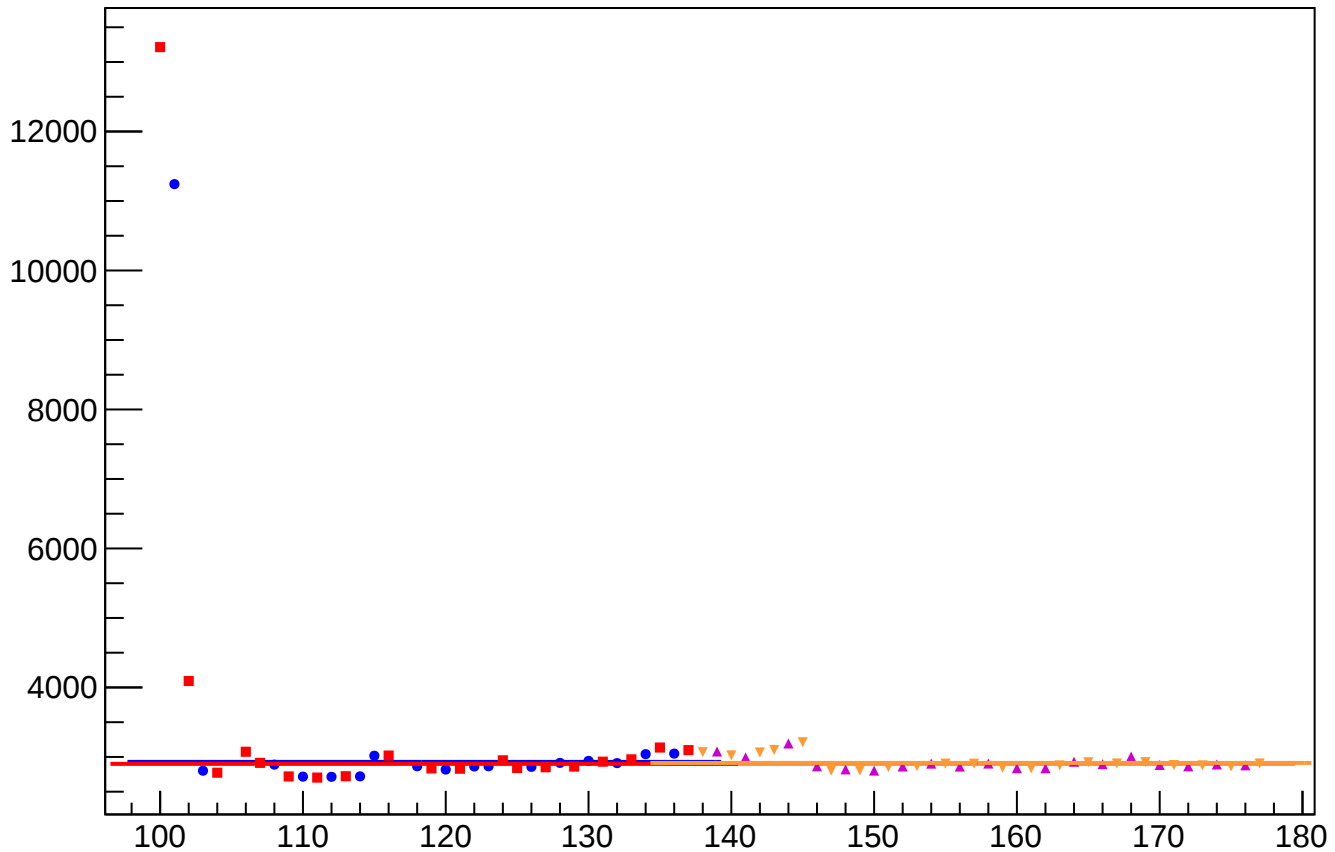
Right: 2253.766 $\pm$ 803.505 χ^2 /NDF: 23.4/35

In: 2229.425 $\pm$ 634.753 χ^2 /NDF: 45.4/35

Out: 2744.704 $\pm$ 611.722 χ^2 /NDF: 38.7/39

All: 2496.582 $\pm$ 440.470 χ^2 /NDF: 84.5/75

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2928.700+/-0.823 χ^2/NDF : 662362.9/16

Left Out: 2913.955+/-0.518 χ^2/NDF : 35061.6/20

Right Out: 2900.472+/-0.785 χ^2/NDF : 169720.6/18

Left In: 2906.316+/-0.535 χ^2/NDF : 28959.2/18

Left: 2910.259+/-0.372 χ^2/NDF : 64125.8/39

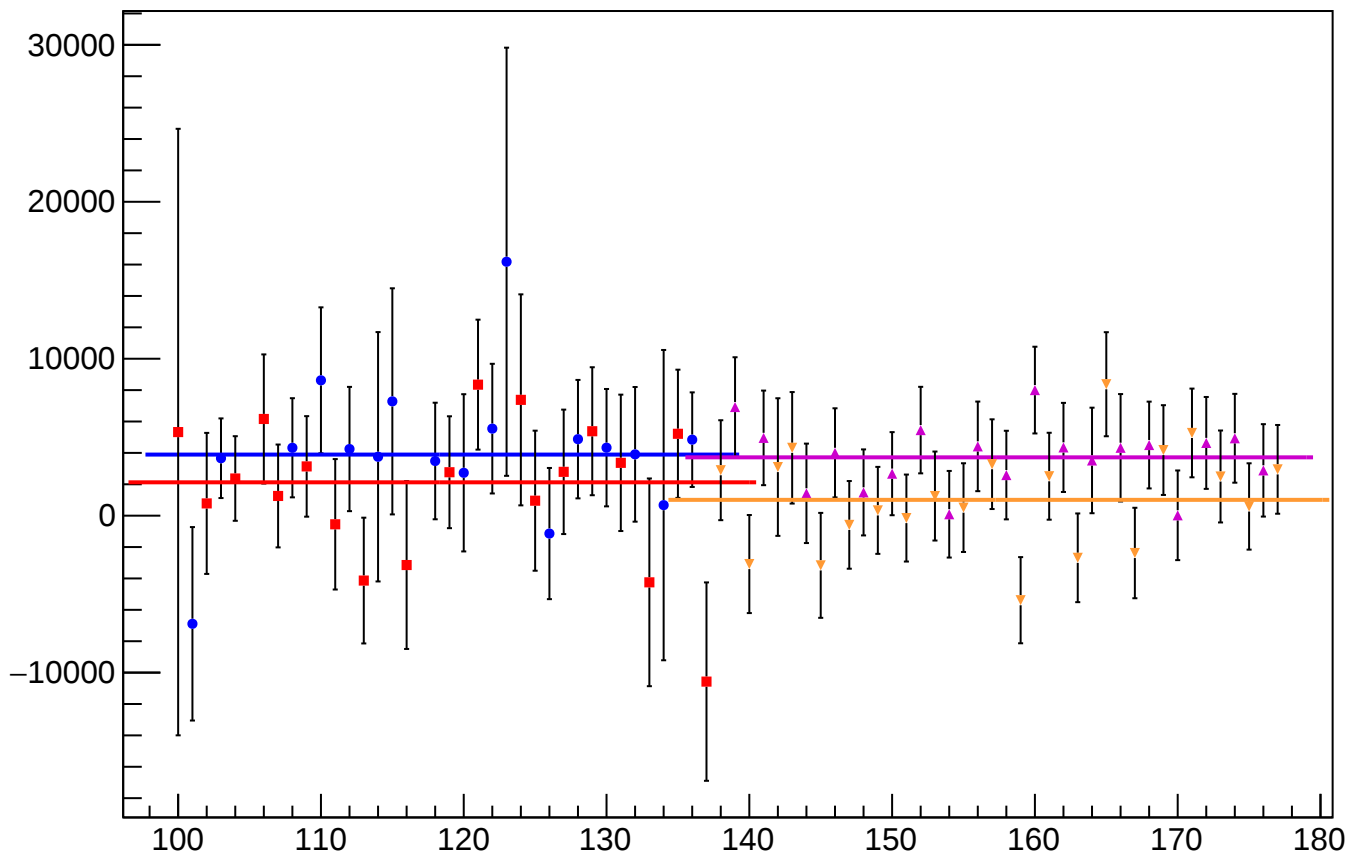
Right: 2913.915+/-0.568 χ^2/NDF : 832699.2/35

In: 2912.969+/-0.449 χ^2/NDF : 691841.6/35

Out: 2909.862+/-0.433 χ^2/NDF : 204987.6/39

All: 2911.358+/-0.311 χ^2/NDF : 896854.0/75

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 1007.778+/-645.063 χ^2/NDF : 24.0/20

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

Left In: 3716.400+/-665.284 χ^2/NDF : 9.5/18

Left: 2320.301+/-463.112 χ^2/NDF : 42.0/39

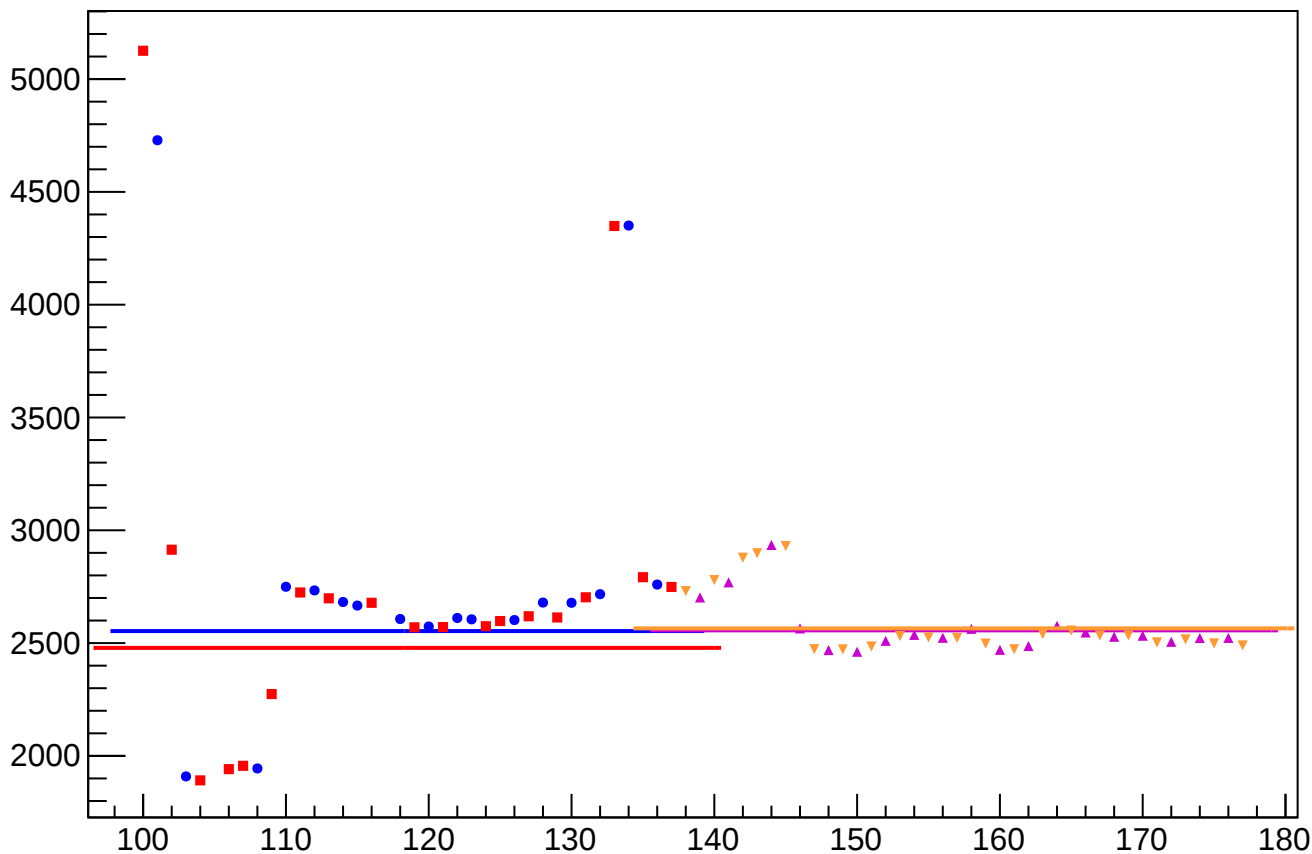
Right: 2960.811+/-695.784 χ^2/NDF : 23.1/35

In: 3769.562+/-555.870 χ^2/NDF : 16.6/35

Out: 1355.998+/-535.143 χ^2/NDF : 39.2/39

All: 2516.943+/-385.523 χ^2/NDF : 65.7/75

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.280+/-0.715 χ^2/NDF : 545226.9/16

Left Out: 2565.326+/-0.456 χ^2/NDF : 81875.3/20

Right Out: 2478.860+/-0.678 χ^2/NDF : 449502.6/18

Left In: 2556.488+/-0.470 χ^2/NDF : 53066.9/18

Left: 2561.043+/-0.327 χ^2/NDF : 135124.1/39

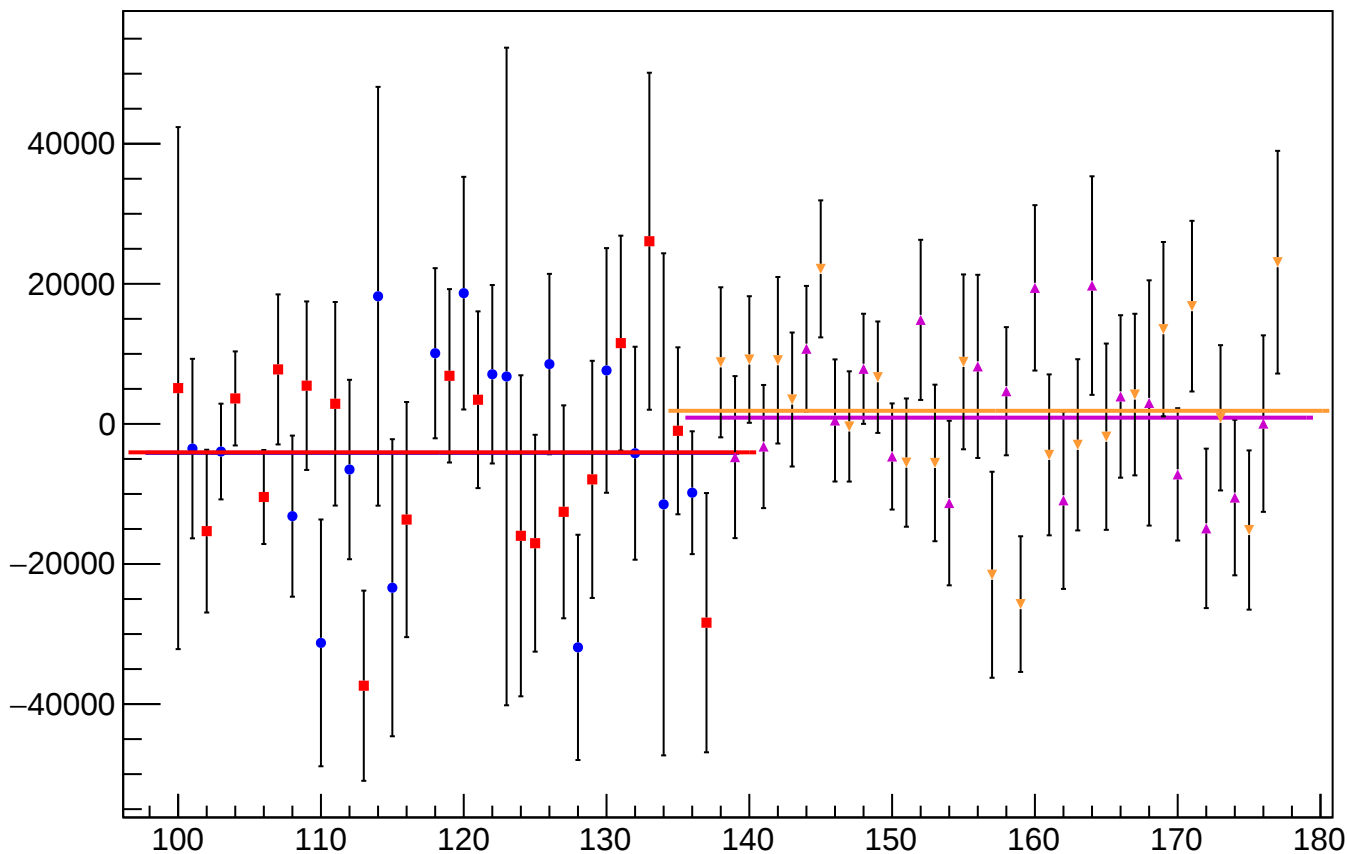
Right: 2514.058+/-0.492 χ^2/NDF : 1000433.0/35

In: 2555.520+/-0.393 χ^2/NDF : 598307.9/35

Out: 2538.369+/-0.378 χ^2/NDF : 542581.2/39

All: 2546.619+/-0.273 χ^2/NDF : 1141877.3/75

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 1871.888 $\pm$ 2327.293 χ^2 /NDF:25.3/20

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

Left In: 892.603 $\pm$ 2398.311 χ^2 /NDF:14.6/18

Left: 1396.959 $\pm$ 1670.188 χ^2 /NDF: 40.0/39

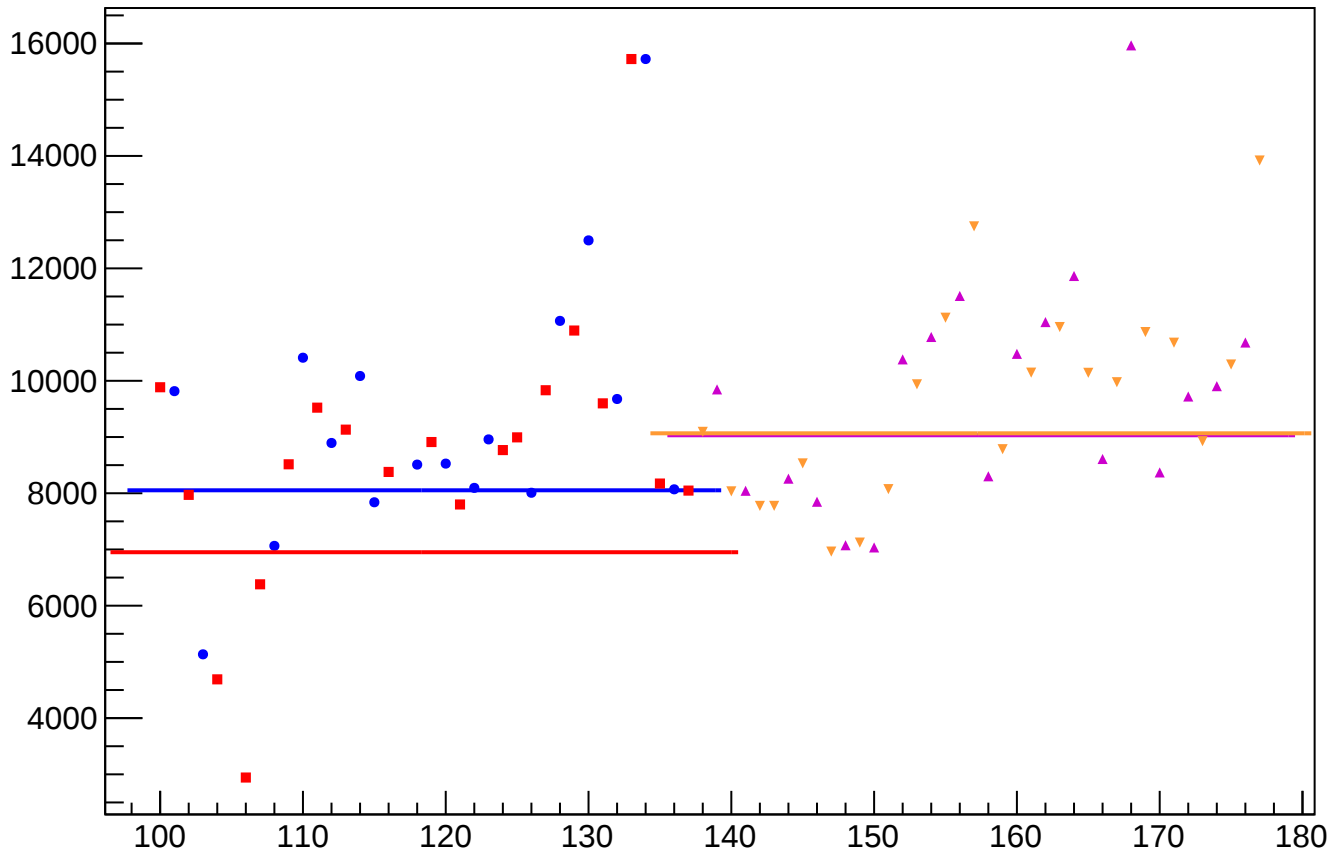
Right: -4089.066 $\pm$ 2129.557 χ^2 /NDF: 31.9/35

In: -893.173 $\pm$ 1924.922 χ^2 /NDF:29.6/35

Out: -517.060 $\pm$ 1798.642 χ^2 /NDF:46.4/39

All: -692.376 $\pm$ 1314.209 χ^2 /NDF: 76.0/75

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8052.552 $\pm$ 2.282 χ^2 /NDF: 790724.2/16

Left Out: 9066.289 $\pm$ 1.646 χ^2 /NDF: 949064.8/20

Right Out: 6950.943 $\pm$ 2.004 χ^2 /NDF: 1776578.9/18

Left In: 9031.464 $\pm$ 1.696 χ^2 /NDF: 1033027.0/18

Left: 9049.400 $\pm$ 1.181 χ^2 /NDF: 1982309.0/39

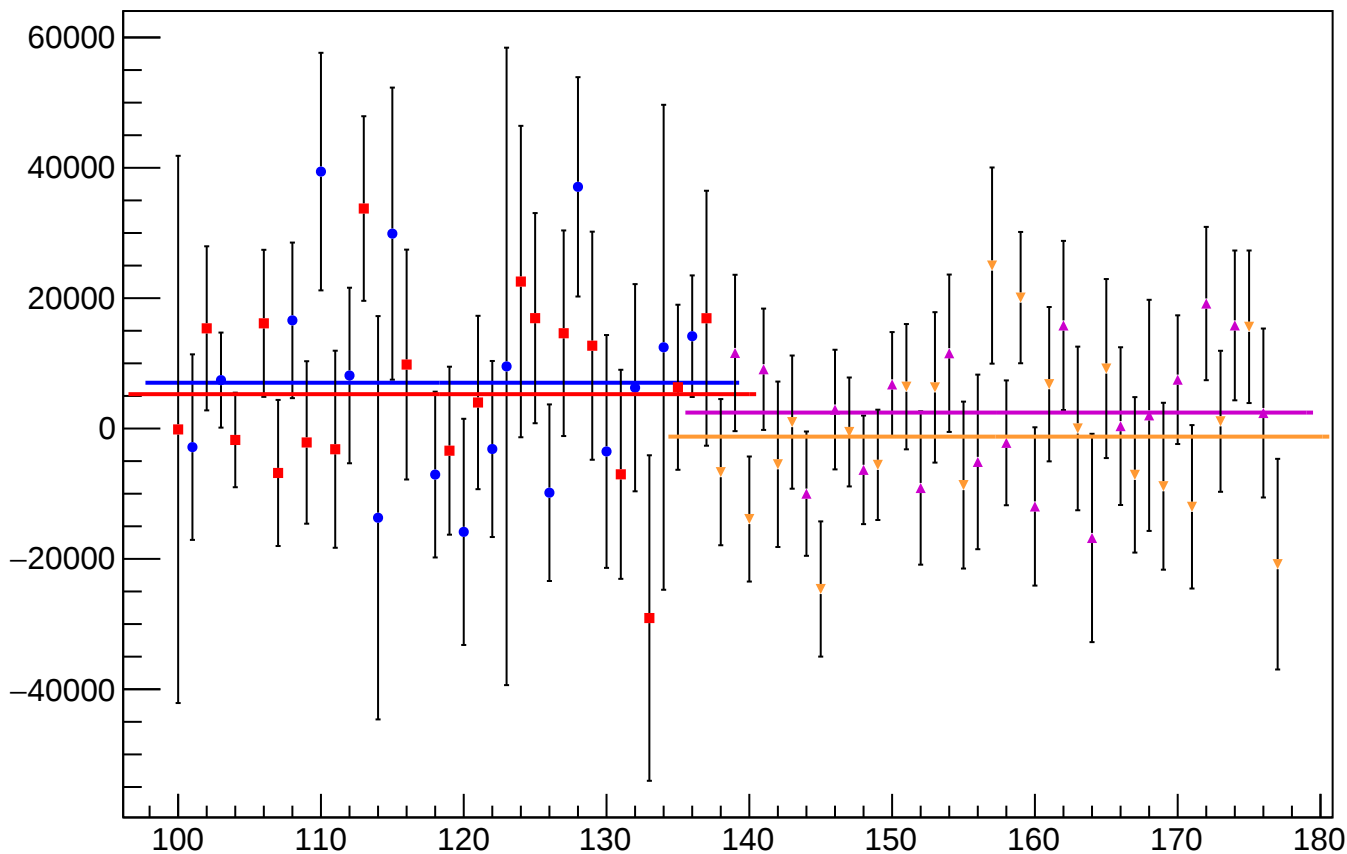
Right: 7430.673 $\pm$ 1.506 χ^2 /NDF: 2698872.2/35

In: 8683.158 $\pm$ 1.361 χ^2 /NDF: 1942306.9/35

Out: 8214.424 $\pm$ 1.272 χ^2 /NDF: 3391039.7/39

All: 8432.913 $\pm$ 0.929 χ^2 /NDF: 5396660.3/75

asym_atr2_mean vs Slug, Sign Corrected



Right In: 7025.400+/-3409.490 χ^2/NDF : 15.0/16

Left Out: -1243.021+/-2433.734 χ^2/NDF : 22.4/20

Right Out: 5271.793+/-3168.195 χ^2/NDF : 13.4/18

Left In: 2446.530+/-2503.858 χ^2/NDF : 13.9/18

Left: 549.366+/-1745.174 χ^2/NDF : 37.4/39

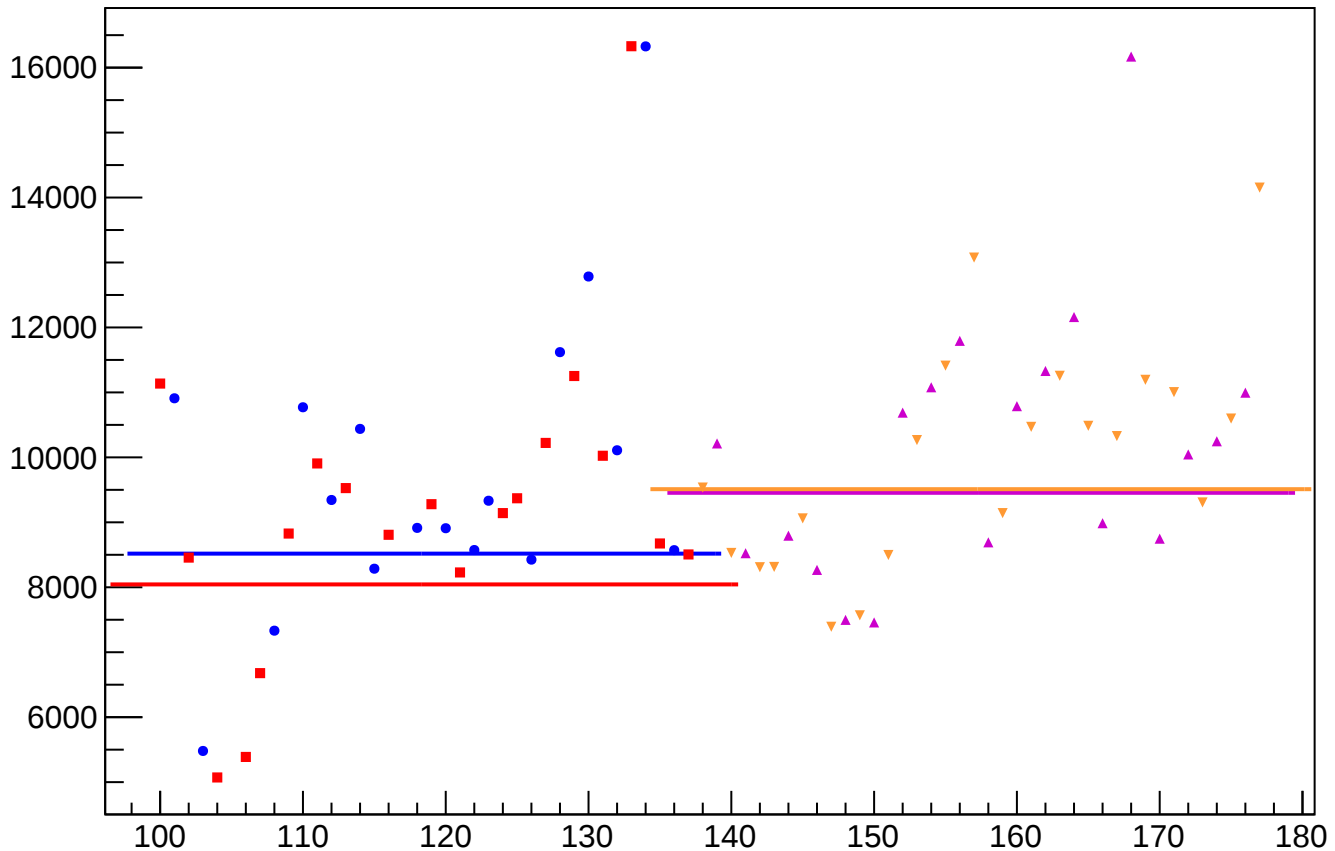
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 4050.780+/-2018.117 χ^2/NDF : 30.1/35

Out: 1174.672+/-1930.019 χ^2/NDF : 38.4/39

All: 2548.581+/-1394.834 χ^2/NDF : 69.5/75

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8517.886 $\pm$ 2.411 χ^2 /NDF: 763281.4/16

Left Out: 9510.195 $\pm$ 1.721 χ^2 /NDF:811129.7/20

Right Out: 8043.998 $\pm$ 2.240 χ^2 /NDF: 952125.8/18

Left In: 9454.387 $\pm$ 1.770 χ^2 /NDF:903108.7/18

Left: 9483.084 $\pm$ 1.234 χ^2 /NDF: 1714749.3/39

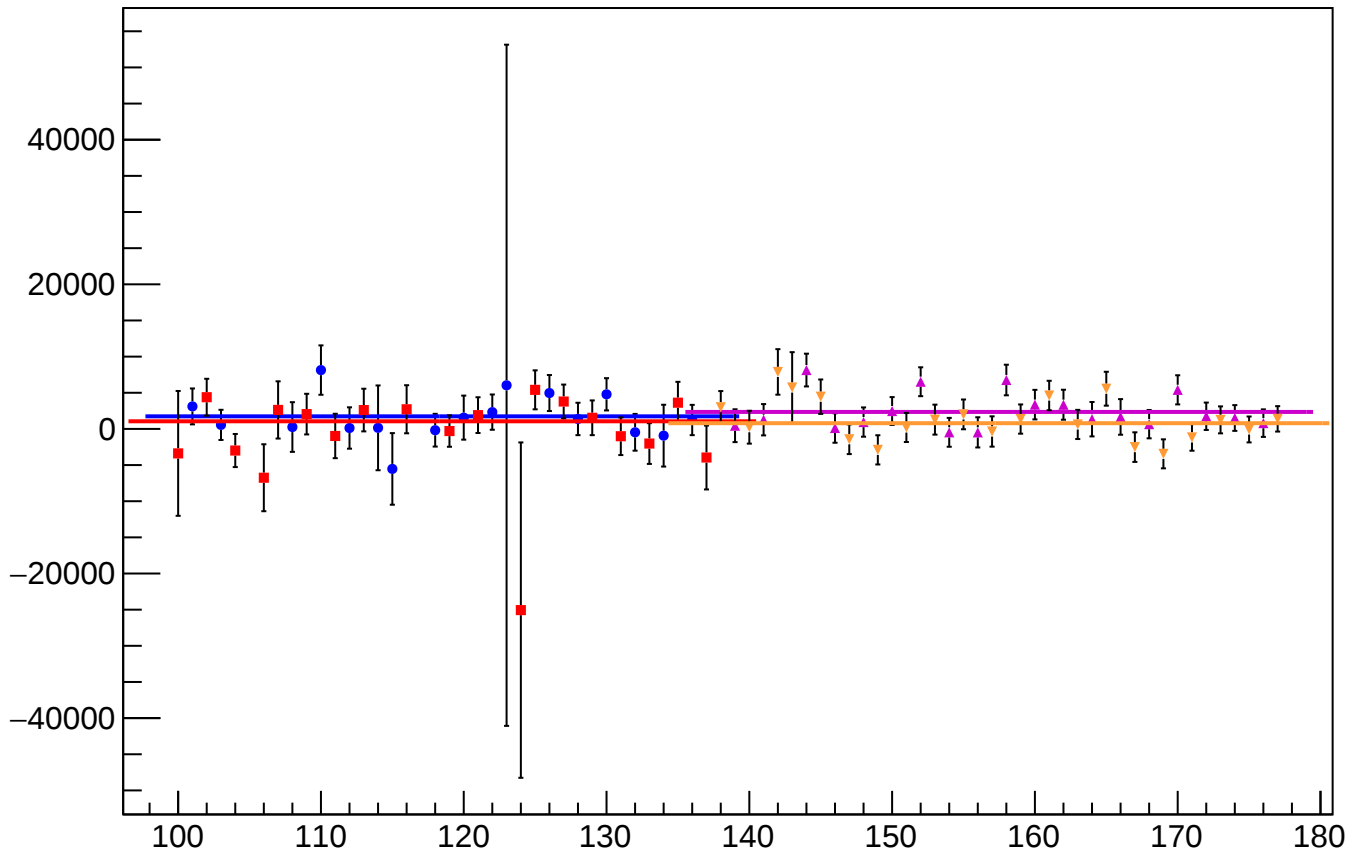
Right: 8263.573 $\pm$ 1.641 χ^2 /NDF: 1736141.9/35

In: 9126.275 $\pm$ 1.427 χ^2 /NDF:1764415.9/35

Out: 8966.055 $\pm$ 1.365 χ^2 /NDF:2032649.1/39

All: 9042.591 $\pm$ 0.986 χ^2 /NDF: 3803649.1/75

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1739.640+/-670.395 χ^2/NDF : 12.4/16

Left Out: 789.683+/-458.473 χ^2/NDF : 31.2/20

Right Out: 1055.584+/-670.984 χ^2/NDF : 18.9/18

Left In: 2349.404+/-471.359 χ^2/NDF : 26.5/18

Left: 1547.932+/-328.650 χ^2/NDF : 63.3/39

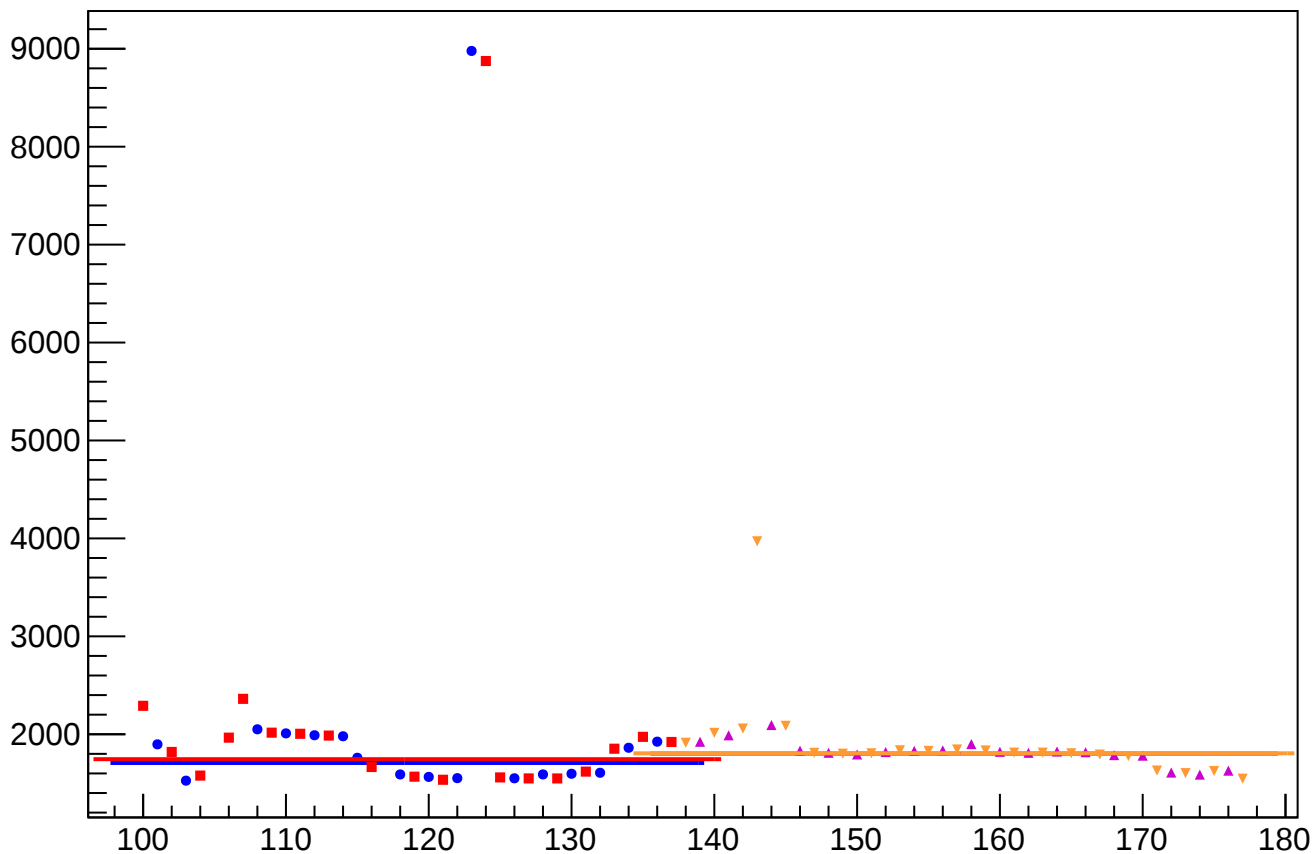
Right: 1397.913+/-474.249 χ^2/NDF : 31.8/35

In: 2147.684+/-385.589 χ^2/NDF : 39.5/35

Out: 874.314+/-378.544 χ^2/NDF : 50.1/39

All: 1499.261+/-270.127 χ^2/NDF : 95.2/75

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1706.867 $\pm$ 0.474 χ^2 /NDF: 197555.1/16

Left Out: 1805.393 $\pm$ 0.324 χ^2 /NDF: 562938.1/20

Right Out: 1745.434 $\pm$ 0.472 χ^2 /NDF: 399811.9/18

Left In: 1802.813 $\pm$ 0.333 χ^2 /NDF: 126888.2/18

Left: 1804.139 $\pm$ 0.232 χ^2 /NDF: 689857.1/39

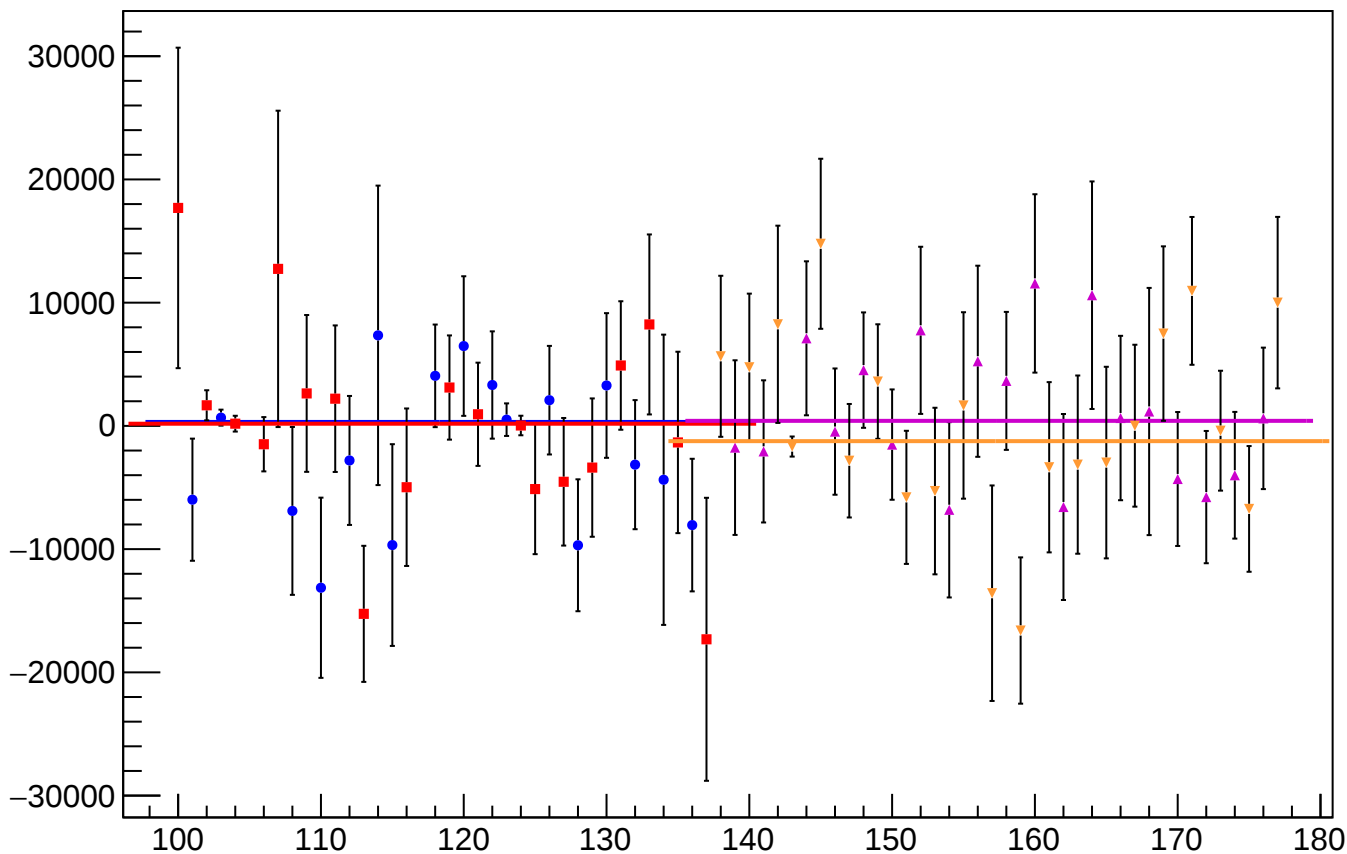
Right: 1726.220 $\pm$ 0.335 χ^2 /NDF: 600688.4/35

In: 1771.072 $\pm$ 0.273 χ^2 /NDF: 351856.9/35

Out: 1786.193 $\pm$ 0.267 χ^2 /NDF: 973703.8/39

All: 1778.783 $\pm$ 0.191 χ^2 /NDF: 1327129.1/75

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 320.899+/-540.384 χ^2/NDF : 18.0/16

Left Out: -1237.188+/-701.487 χ^2/NDF :30.0/20

Right Out: 176.640+/-433.552 χ^2/NDF : 20.8/18

Left In: 409.910+/-1391.021 χ^2/NDF :12.6/18

Left: -903.236+/-626.349 χ^2/NDF : 43.8/39

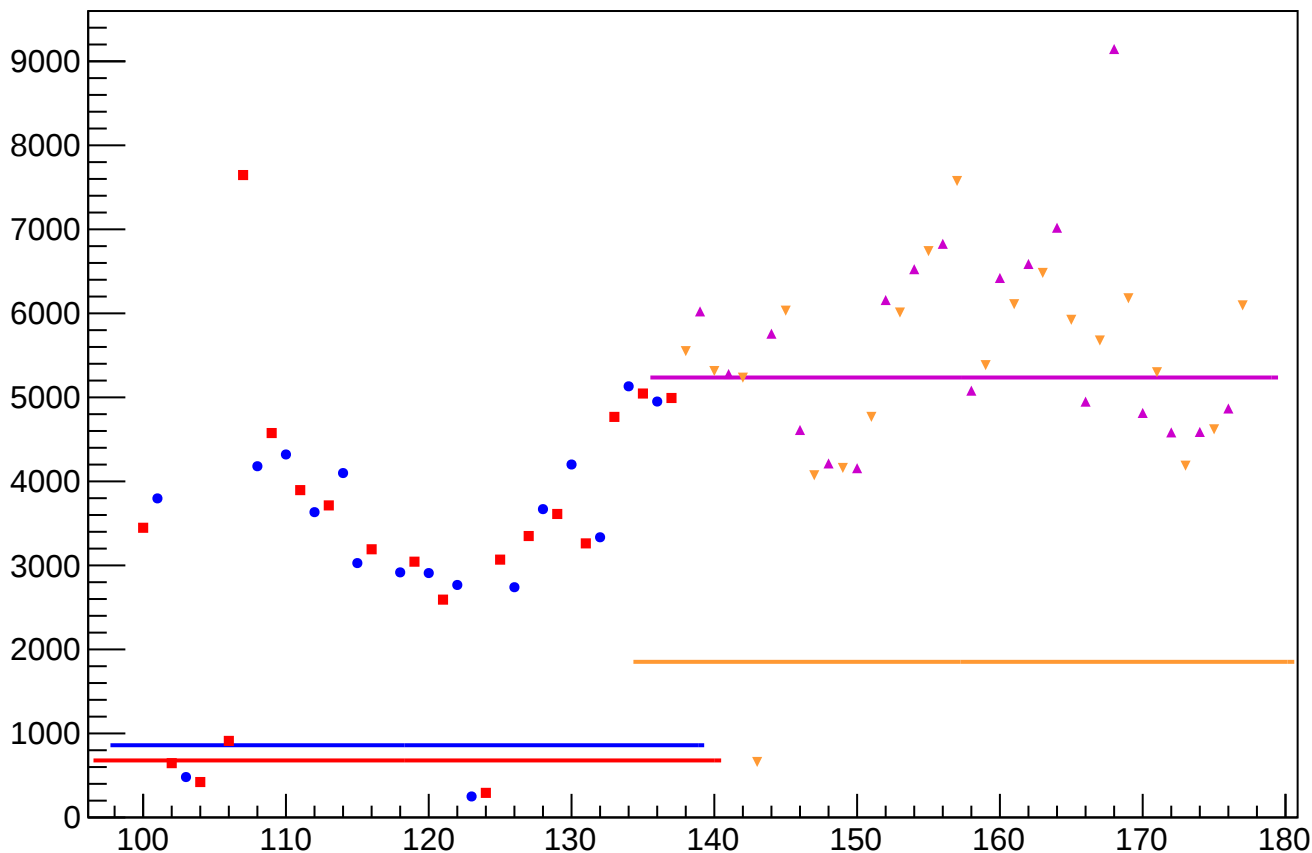
Right: 233.134+/-338.167 χ^2/NDF : 38.8/35

In: 332.571+/-503.710 χ^2/NDF :30.6/35

Out: -214.144+/-368.799 χ^2/NDF :53.7/39

All: -23.348+/-297.567 χ^2/NDF : 85.1/75

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 859.557 $\pm$ 0.382 χ^2 /NDF: 8143264.5/16

Left Out: 1852.305 $\pm$ 0.496 χ^2 /NDF:17387777.3/20

Right Out: 678.603 $\pm$ 0.307 χ^2 /NDF: 8384814.2/18

Left In: 5236.544 $\pm$ 0.984 χ^2 /NDF:1050201.0/18

Left: 2538.466 $\pm$ 0.443 χ^2 /NDF: 27875940.8/39

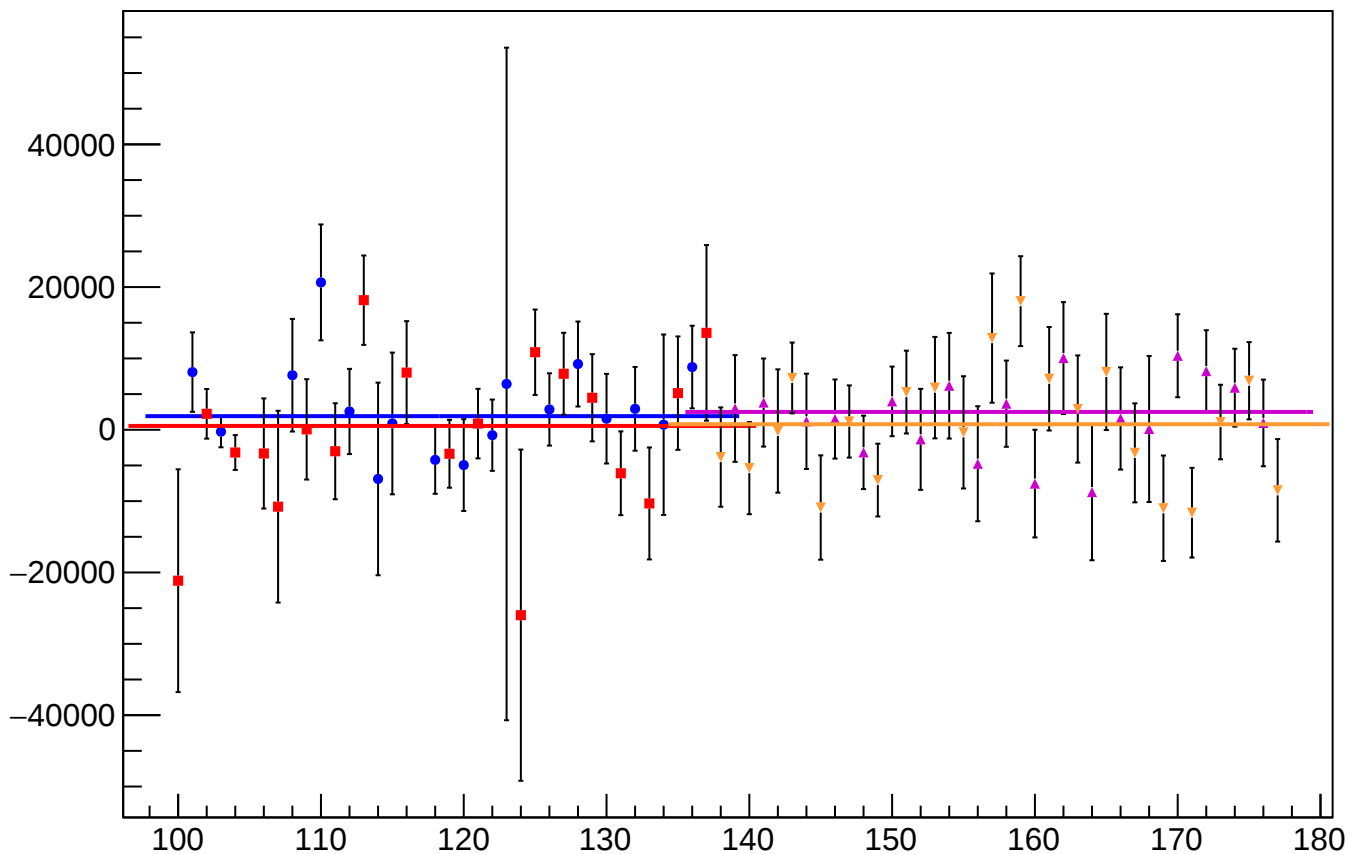
Right: 749.467 $\pm$ 0.239 χ^2 /NDF: 16664518.8/35

In: 1433.500 $\pm$ 0.356 χ^2 /NDF:26399043.4/35

Out: 1003.016 $\pm$ 0.261 χ^2 /NDF:29823982.3/39

All: 1153.249 $\pm$ 0.210 χ^2 /NDF: 57174009.8/79

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 774.921+/-1408.281 χ^2/NDF : 29.8/20

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

Left In: 2503.369+/-1483.488 χ^2/NDF : 10.2/18

Left: 1594.223+/-1021.358 χ^2/NDF : 40.7/39

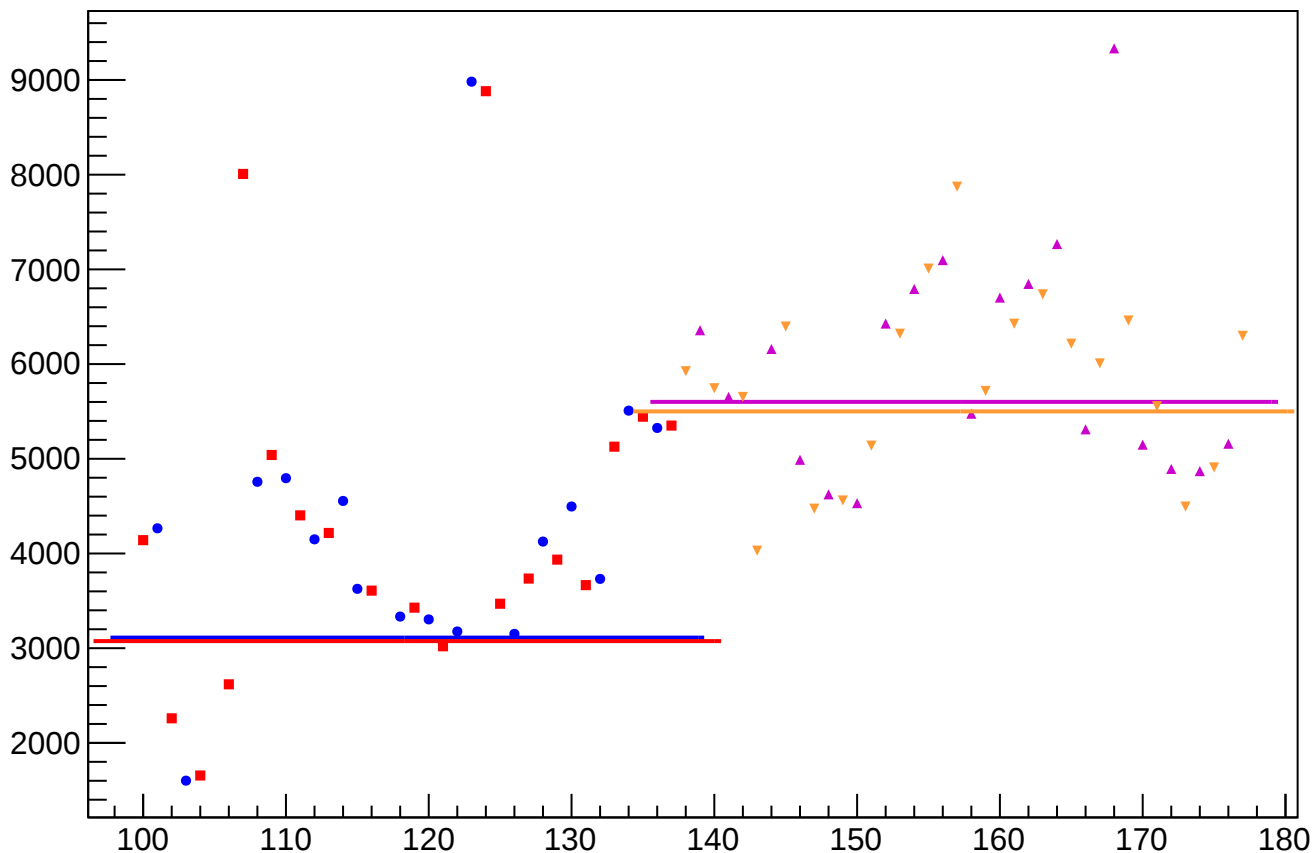
Right: 1211.574+/-917.716 χ^2/NDF : 41.6/35

In: 2169.658+/-982.038 χ^2/NDF : 24.9/35

Out: 646.558+/-949.559 χ^2/NDF : 56.2/39

All: 1382.504+/-682.633 χ^2/NDF : 82.3/75

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3111.825+/-0.926 χ^2/NDF : 1879558.6/16

Left Out: 5500.167+/-0.996 χ^2/NDF : 883799.0/20

Right Out: 3074.771+/-0.896 χ^2/NDF : 2005627.6/18

Left In: 5600.956+/-1.049 χ^2/NDF : 888487.6/18

Left: 5547.942+/-0.722 χ^2/NDF : 1777142.5/39

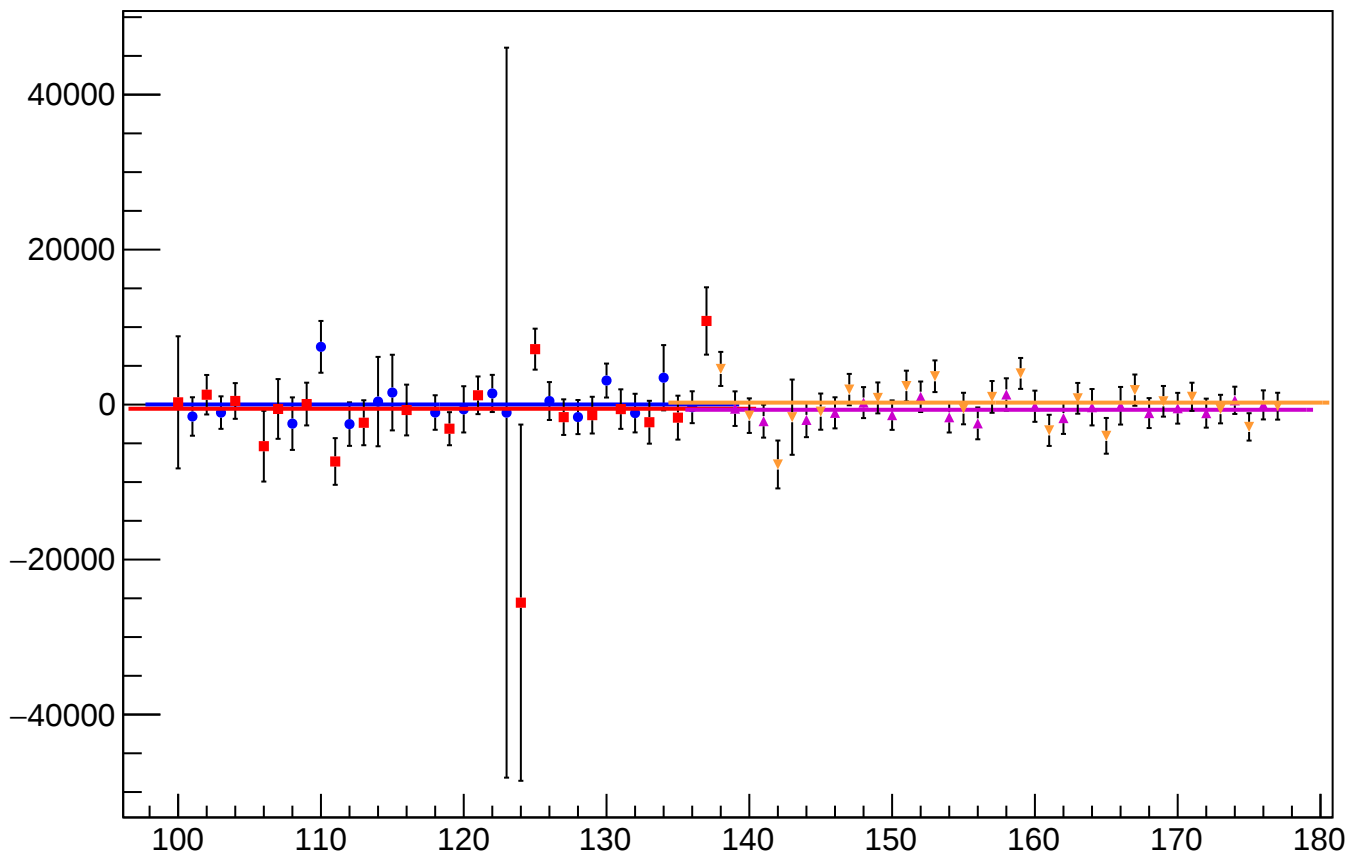
Right: 3092.680+/-0.644 χ^2/NDF : 3886012.7/35

In: 4202.597+/-0.694 χ^2/NDF : 5931259.1/35

Out: 4159.943+/-0.666 χ^2/NDF : 6167445.6/39

All: 4180.383+/-0.481 χ^2/NDF : 12100669.7/77

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118 ± 661.101 $\chi^2/\text{NDF}: 11.1/16$

Left Out: 254.477 ± 451.897 $\chi^2/\text{NDF}: 31.0/20$

Right Out: -537.476 ± 661.143 $\chi^2/\text{NDF}: 26.7/18$

Left In: -669.711 ± 464.643 $\chi^2/\text{NDF}: 4.9/18$

Left: -194.767 ± 323.952 $\chi^2/\text{NDF}: 38.0/39$

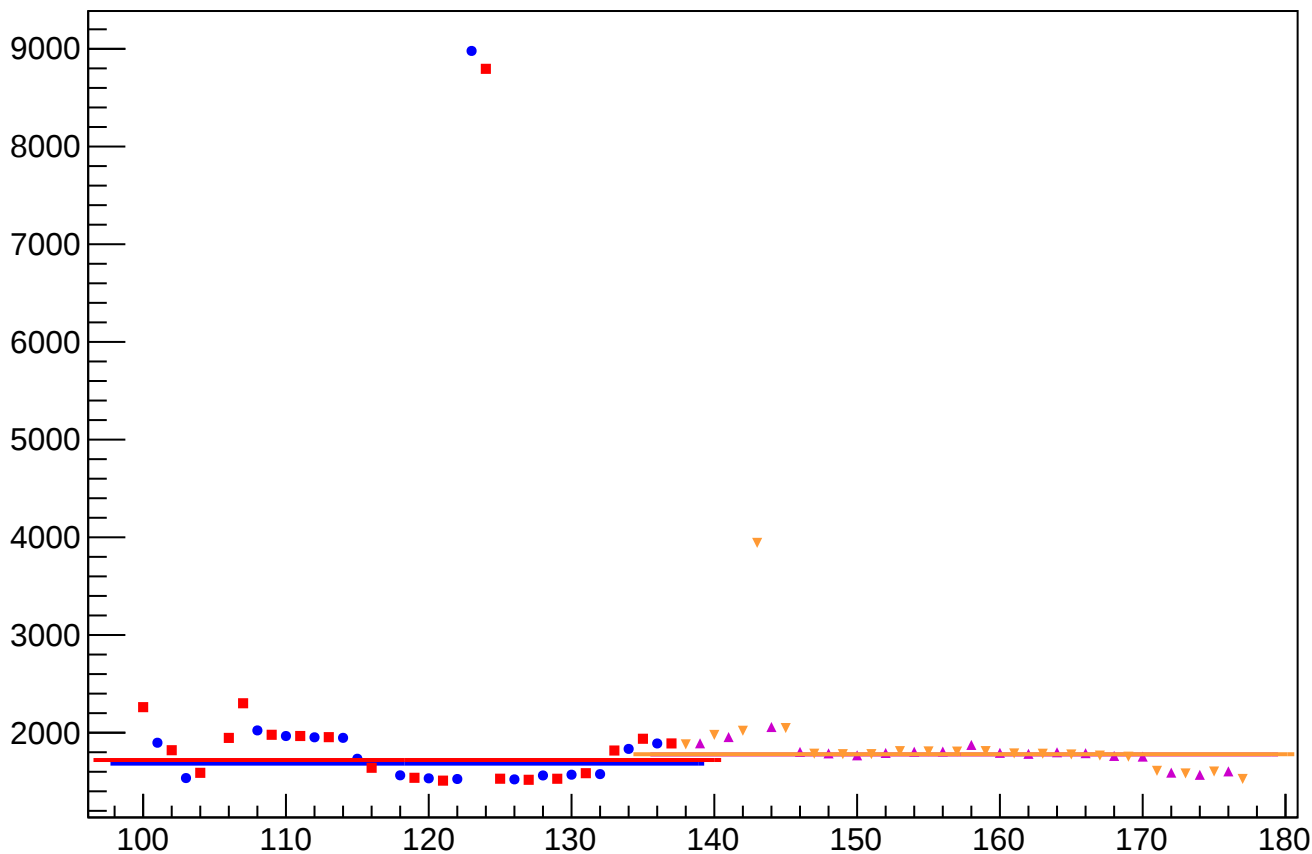
Right: -261.662 ± 467.484 $\chi^2/\text{NDF}: 38.1/35$

In: -443.608 ± 380.144 $\chi^2/\text{NDF}: 16.7/35$

Out: 2.302 ± 373.076 $\chi^2/\text{NDF}: 58.7/39$

All: -216.469 ± 266.268 $\chi^2/\text{NDF}: 76.1/75$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1683.259+/-0.467 χ^2/NDF : 195893.7/16

Left Out: 1779.560+/-0.320 χ^2/NDF : 560863.0/20

Right Out: 1720.379+/-0.465 χ^2/NDF : 396099.9/18

Left In: 1777.205+/-0.329 χ^2/NDF : 122394.4/18

Left: 1778.415+/-0.229 χ^2/NDF : 683283.8/39

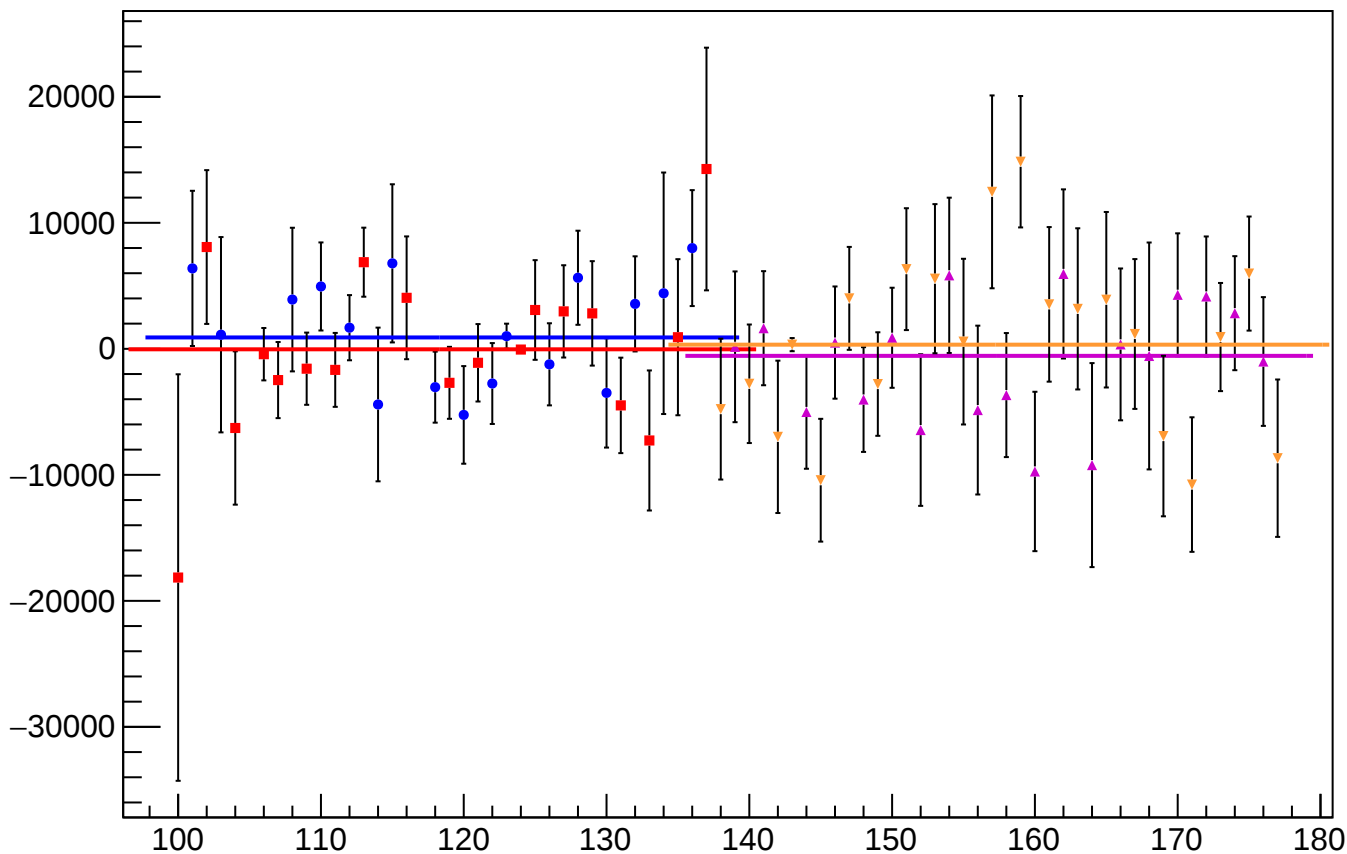
Right: 1701.898+/-0.330 χ^2/NDF : 595159.7/35

In: 1746.142+/-0.269 χ^2/NDF : 345321.9/35

Out: 1760.604+/-0.263 χ^2/NDF : 967950.0/39

All: 1753.519+/-0.188 χ^2/NDF : 1314748.3/75

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 903.344 $\pm$ 705.564 χ^2/NDF : 16.0/16

Left Out: 330.330 $\pm$ 478.587 χ^2/NDF : 31.6/20

Right Out: -38.143 $\pm$ 357.176 χ^2/NDF : 20.5/18

Left In: -557.455 $\pm$ 1203.066 χ^2/NDF : 11.7/18

Left: 209.034 $\pm$ 444.692 χ^2/NDF : 43.8/39

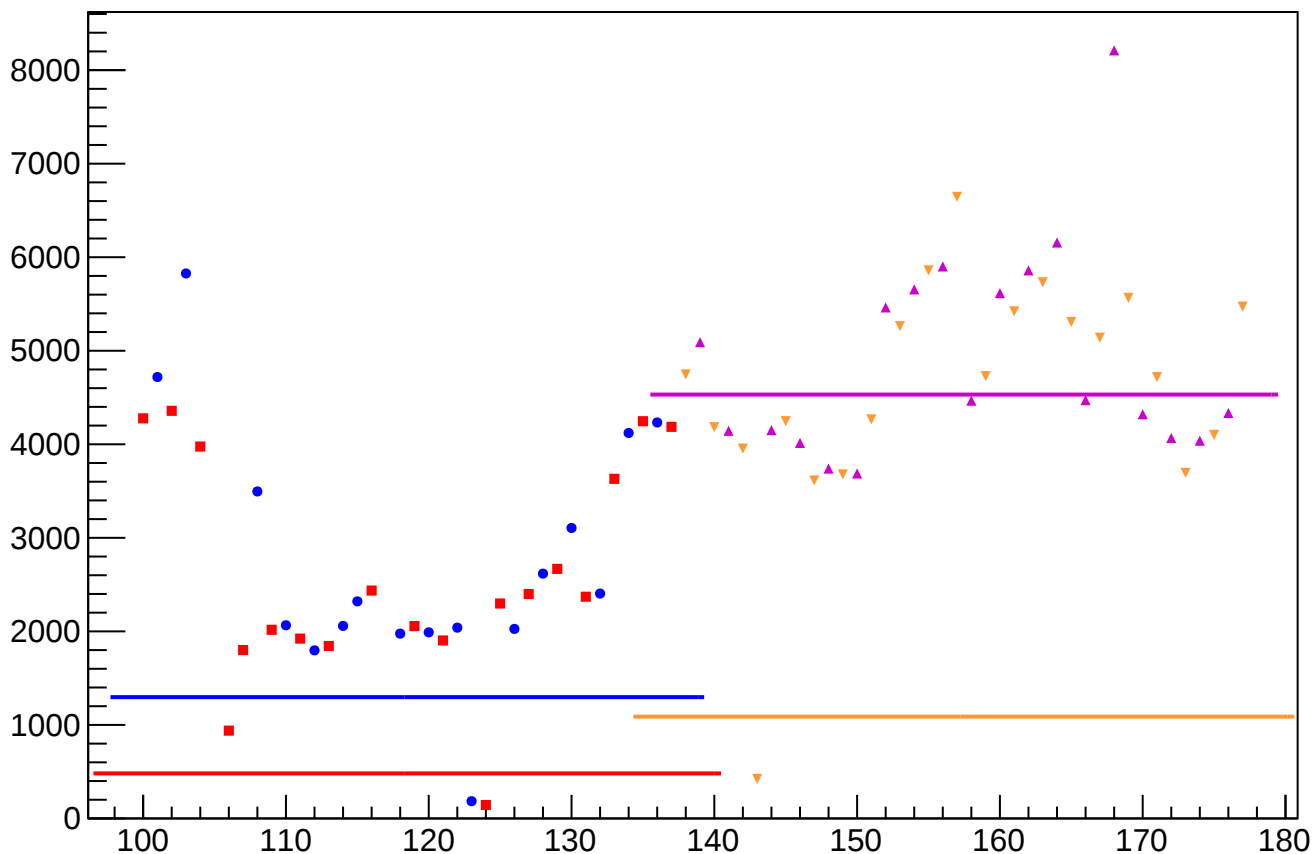
Right: 153.912 $\pm$ 318.670 χ^2/NDF : 37.9/35

In: 529.490 $\pm$ 608.618 χ^2/NDF : 28.8/35

Out: 93.673 $\pm$ 286.247 χ^2/NDF : 52.5/39

All: 172.614 $\pm$ 259.028 χ^2/NDF : 81.7/75

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1297.005+/-0.499 χ^2/NDF : 6509608.5/16

Left Out: 1088.248+/-0.338 χ^2/NDF : 20994063.1/20

Right Out: 481.577+/-0.253 χ^2/NDF : 10144170.1/18

Left In: 4531.620+/-0.851 χ^2/NDF : 1036056.0/18

Left: 1558.710+/-0.314 χ^2/NDF : 36175574.9/39

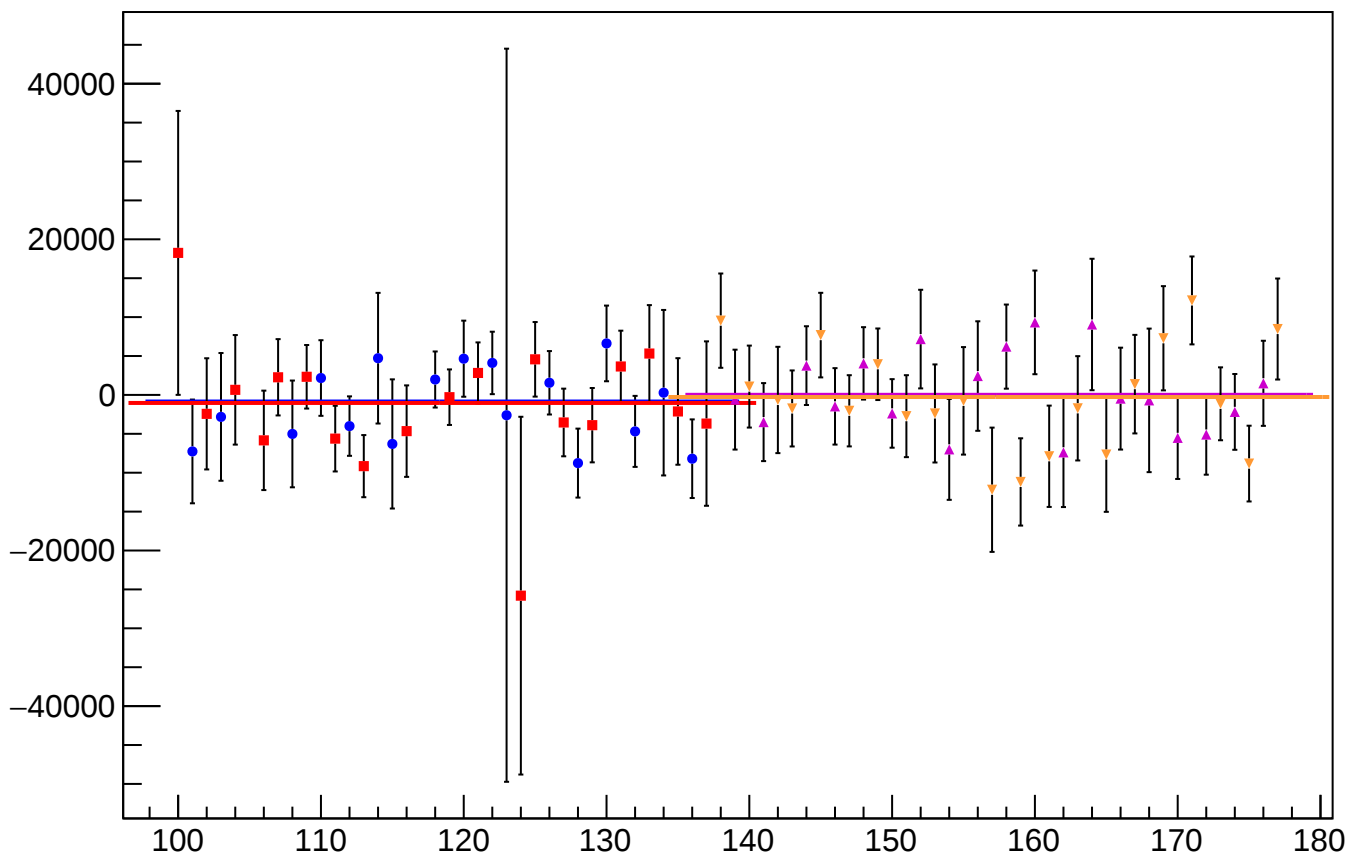
Right: 647.917+/-0.225 χ^2/NDF : 18780181.6/35

In: 2124.821+/-0.430 χ^2/NDF : 18303223.7/35

Out: 698.604+/-0.202 χ^2/NDF : 33202332.8/39

All: 956.942+/-0.183 χ^2/NDF : 60498945.0/75

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -849.372 ± 1261.026 $\chi^2/\text{NDF}: 15.4/16$

Left Out: -269.663 ± 1250.575 $\chi^2/\text{NDF}: 25.8/20$

Right Out: -1033.205 ± 1190.714 $\chi^2/\text{NDF}: 15.0/18$

Left In: 11.617 ± 1306.157 $\chi^2/\text{NDF}: 12.6/18$

Left: -135.135 ± 903.301 $\chi^2/\text{NDF}: 38.5/39$

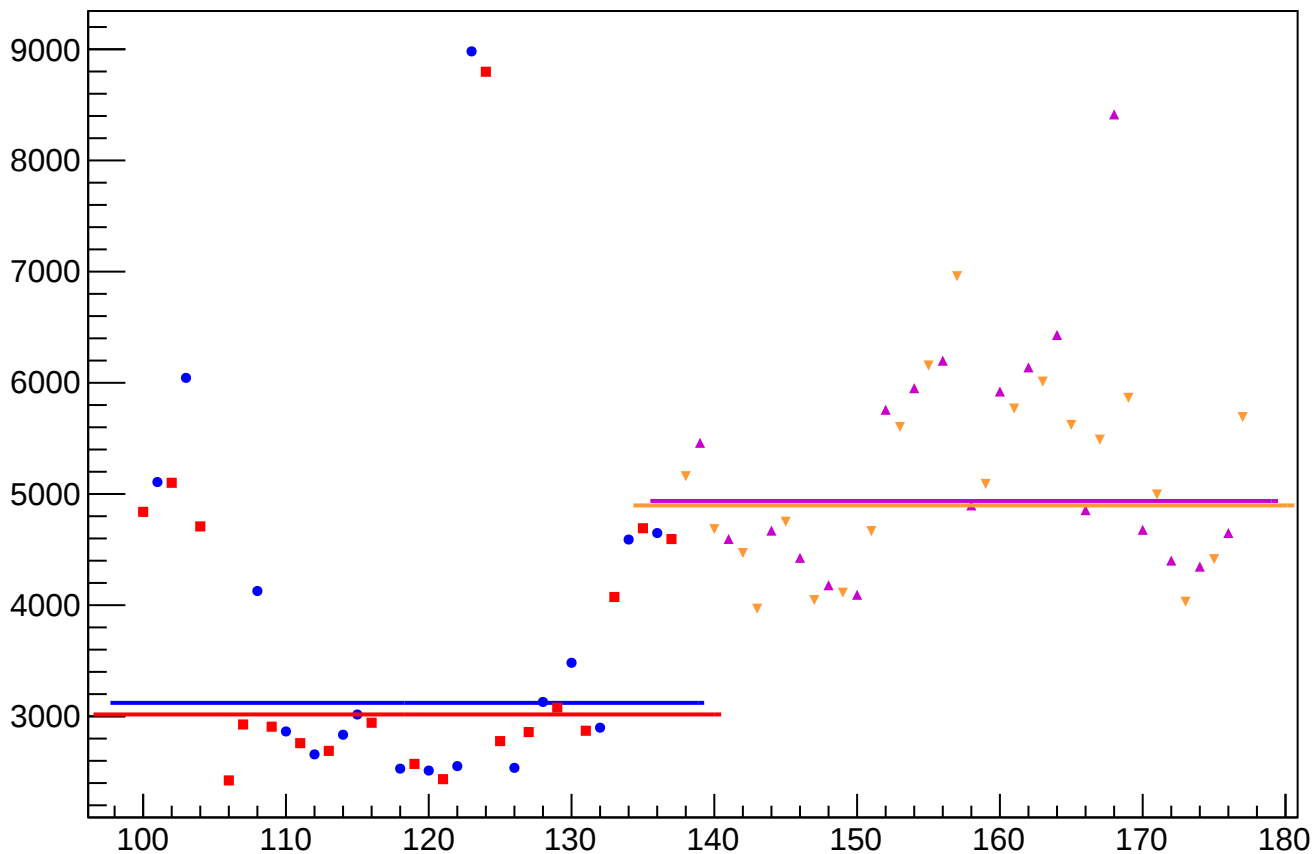
Right: -946.556 ± 865.752 $\chi^2/\text{NDF}: 30.4/35$

In: -434.009 ± 907.215 $\chi^2/\text{NDF}: 28.3/35$

Out: -670.145 ± 862.348 $\chi^2/\text{NDF}: 41.0/39$

All: -558.060 ± 625.032 $\chi^2/\text{NDF}: 69.3/75$

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4897.108 $\pm$ 0.884 χ^2 /NDF: 735315.3/20

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

Left In: 4937.469 $\pm$ 0.924 χ^2 /NDF: 833429.2/18

Left: 4916.411 $\pm$ 0.639 χ^2 /NDF: 1569740.8/39

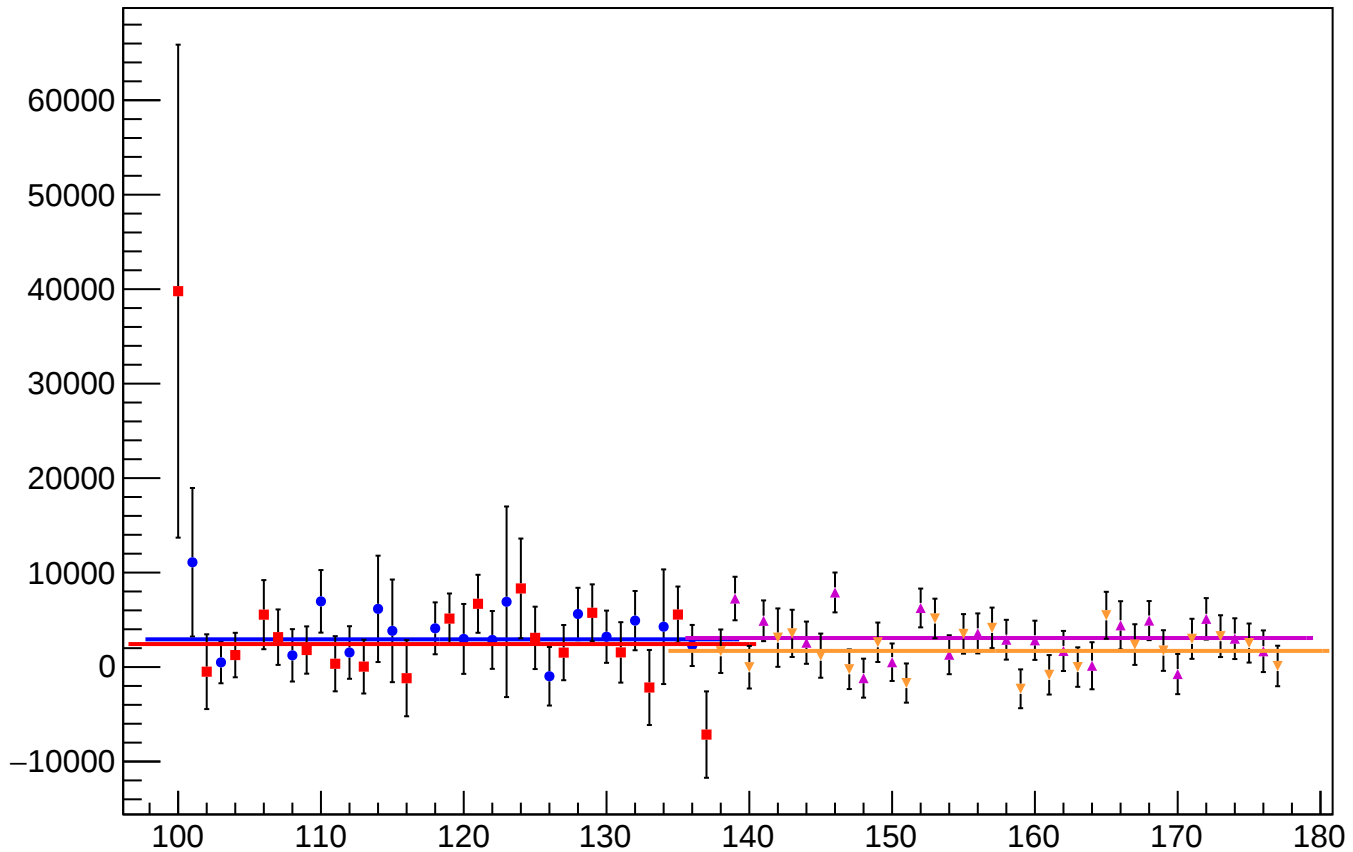
Right: 3065.680 $\pm$ 0.608 χ^2 /NDF: 1745010.6/35

In: 3997.522 $\pm$ 0.641 χ^2 /NDF: 3780247.5/35

Out: 3899.358 $\pm$ 0.606 χ^2 /NDF: 3925953.0/39

All: 3945.629 $\pm$ 0.440 χ^2 /NDF: 7718579.2/75

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2935.827+/-775.365 χ^2/NDF : 8.2/16

Left Out: 1710.055+/-478.749 χ^2/NDF :19.8/20

Right Out: 2432.756+/-740.416 χ^2/NDF : 18.2/18

Left In: 3073.569+/-494.448 χ^2/NDF :25.8/18

Left: 2369.823+/-343.943 χ^2/NDF : 49.5/39

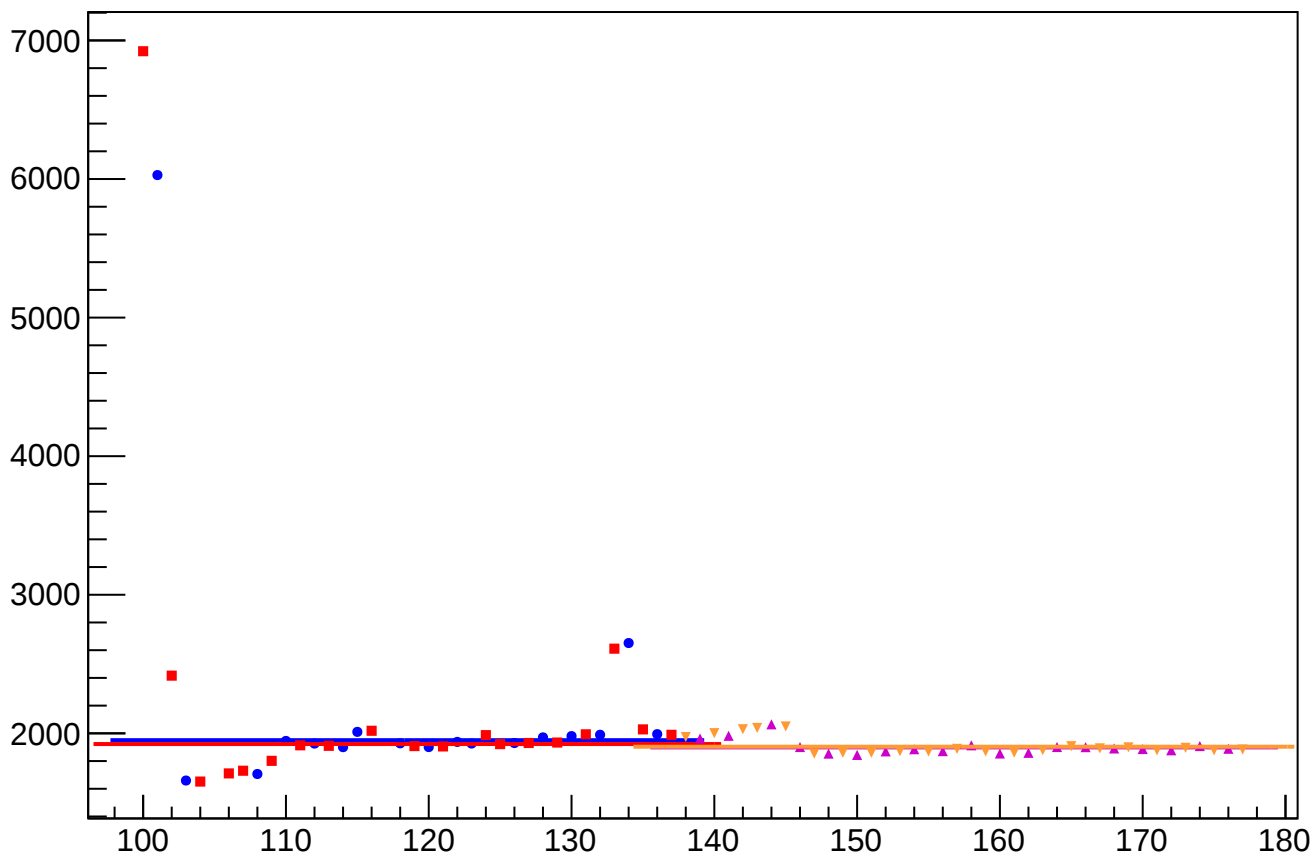
Right: 2672.699+/-535.482 χ^2/NDF : 26.5/35

In: 3033.748+/-416.895 χ^2/NDF :33.9/35

Out: 1923.124+/-402.029 χ^2/NDF :38.6/39

All: 2458.282+/-289.390 χ^2/NDF : 76.2/75

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.615 $\pm$ 0.548 χ^2 /NDF: 617332.2/16

Left Out: 1903.467 $\pm$ 0.339 χ^2 /NDF: 29166.1/20

Right Out: 1922.752 $\pm$ 0.522 χ^2 /NDF: 217400.0/18

Left In: 1898.695 $\pm$ 0.350 χ^2 /NDF: 20944.0/18

Left: 1901.158 $\pm$ 0.243 χ^2 /NDF: 50206.2/39

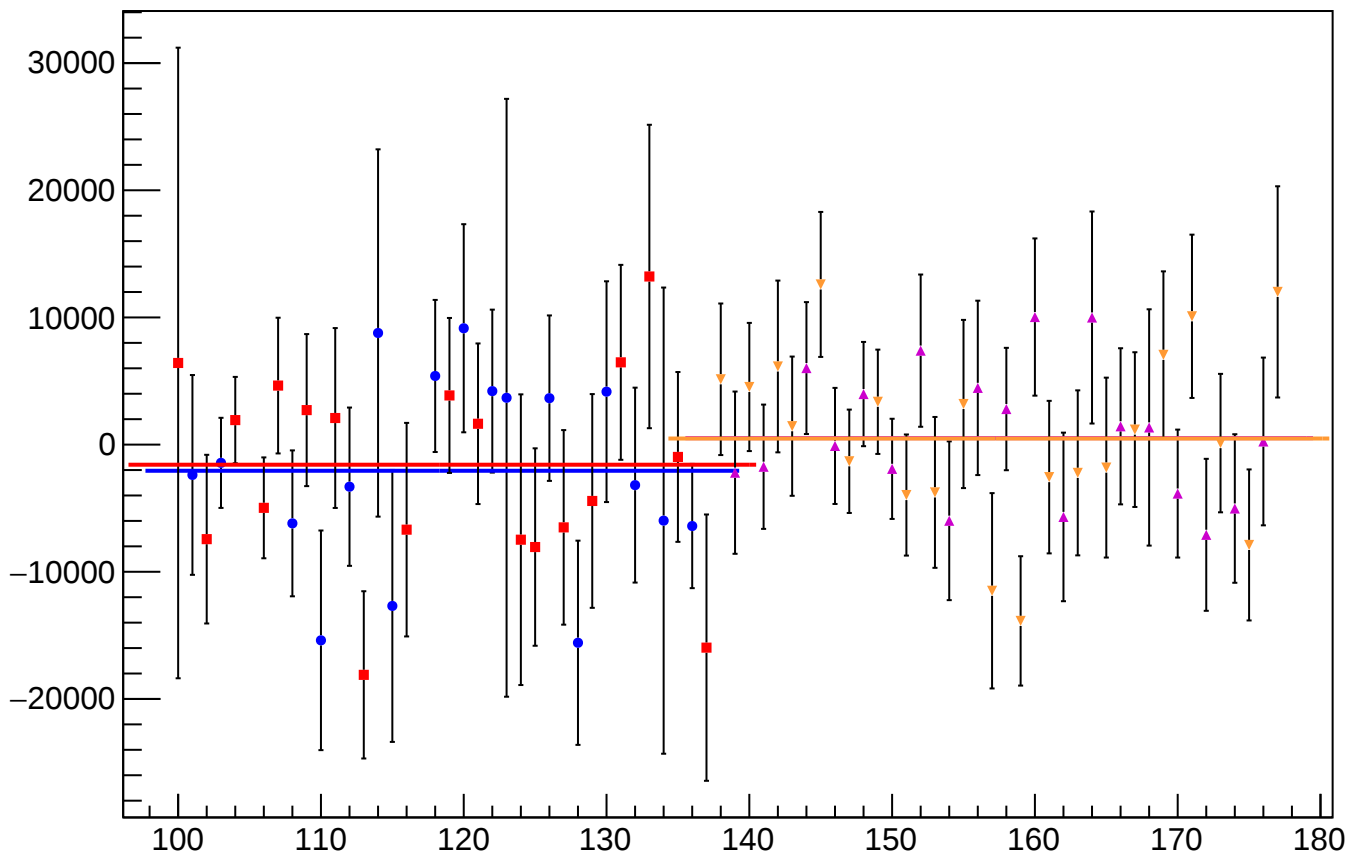
Right: 1936.009 $\pm$ 0.378 χ^2 /NDF: 836086.0/35

In: 1913.705 $\pm$ 0.295 χ^2 /NDF: 644651.4/35

Out: 1909.171 $\pm$ 0.284 χ^2 /NDF: 247526.0/39

All: 1911.354 $\pm$ 0.205 χ^2 /NDF: 892300.1/75

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -2056.876 ± 1661.079 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 479.033 ± 1243.007 $\chi^2/\text{NDF}: 26.8/20$

Right Out: -1580.717 ± 1477.405 $\chi^2/\text{NDF}: 18.6/18$

Left In: 507.502 ± 1275.287 $\chi^2/\text{NDF}: 13.4/18$

Left: 492.903 ± 890.132 $\chi^2/\text{NDF}: 40.3/39$

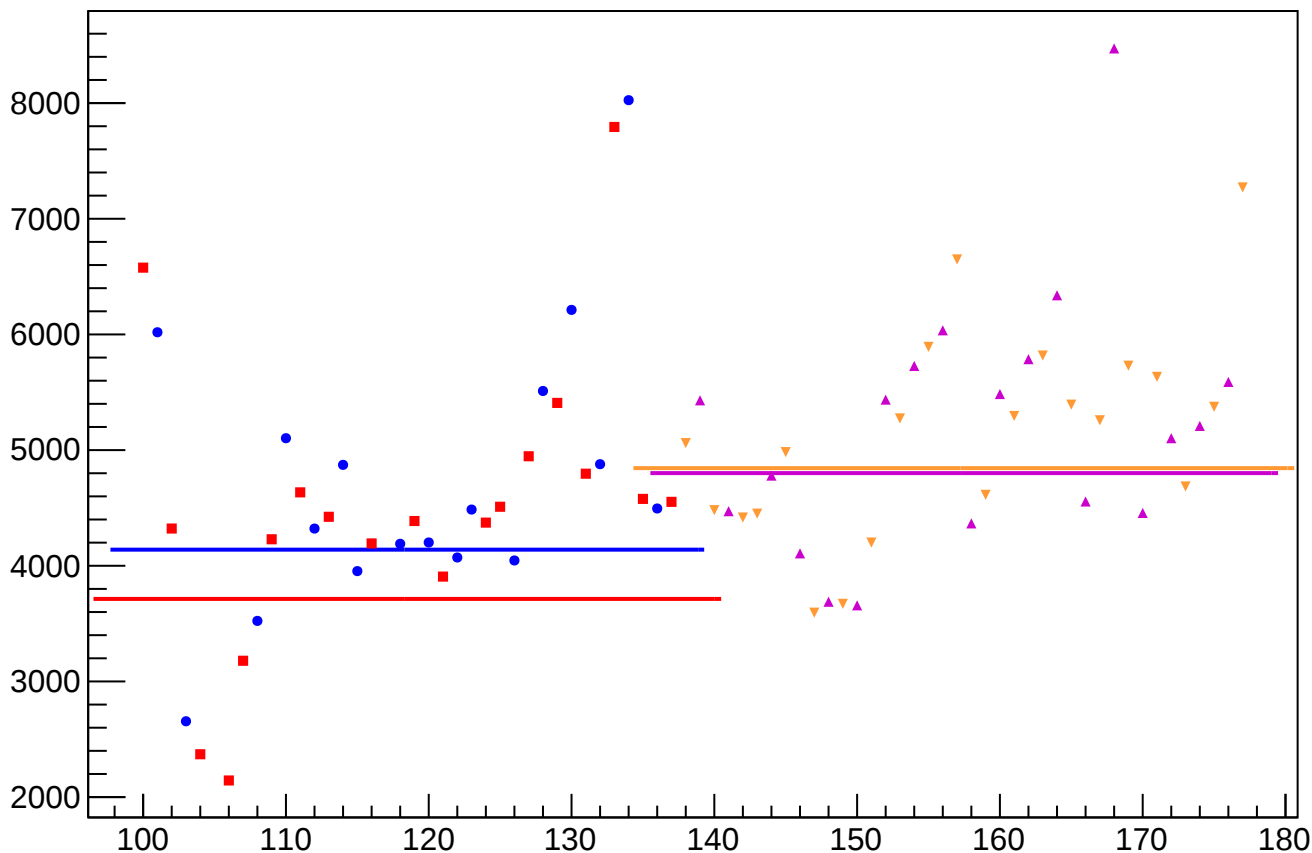
Right: -1791.026 ± 1103.932 $\chi^2/\text{NDF}: 32.6/35$

In: -443.486 ± 1011.548 $\chi^2/\text{NDF}: 28.9/35$

Out: -374.676 ± 951.146 $\chi^2/\text{NDF}: 46.6/39$

All: -406.965 ± 692.932 $\chi^2/\text{NDF}: 75.5/75$

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4844.171+/-0.879 χ^2/NDF : 929757.9/20

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

Left In: 4801.174+/-0.902 χ^2/NDF : 1043139.6/18

Left: 4823.224+/-0.629 χ^2/NDF : 1974063.4/39

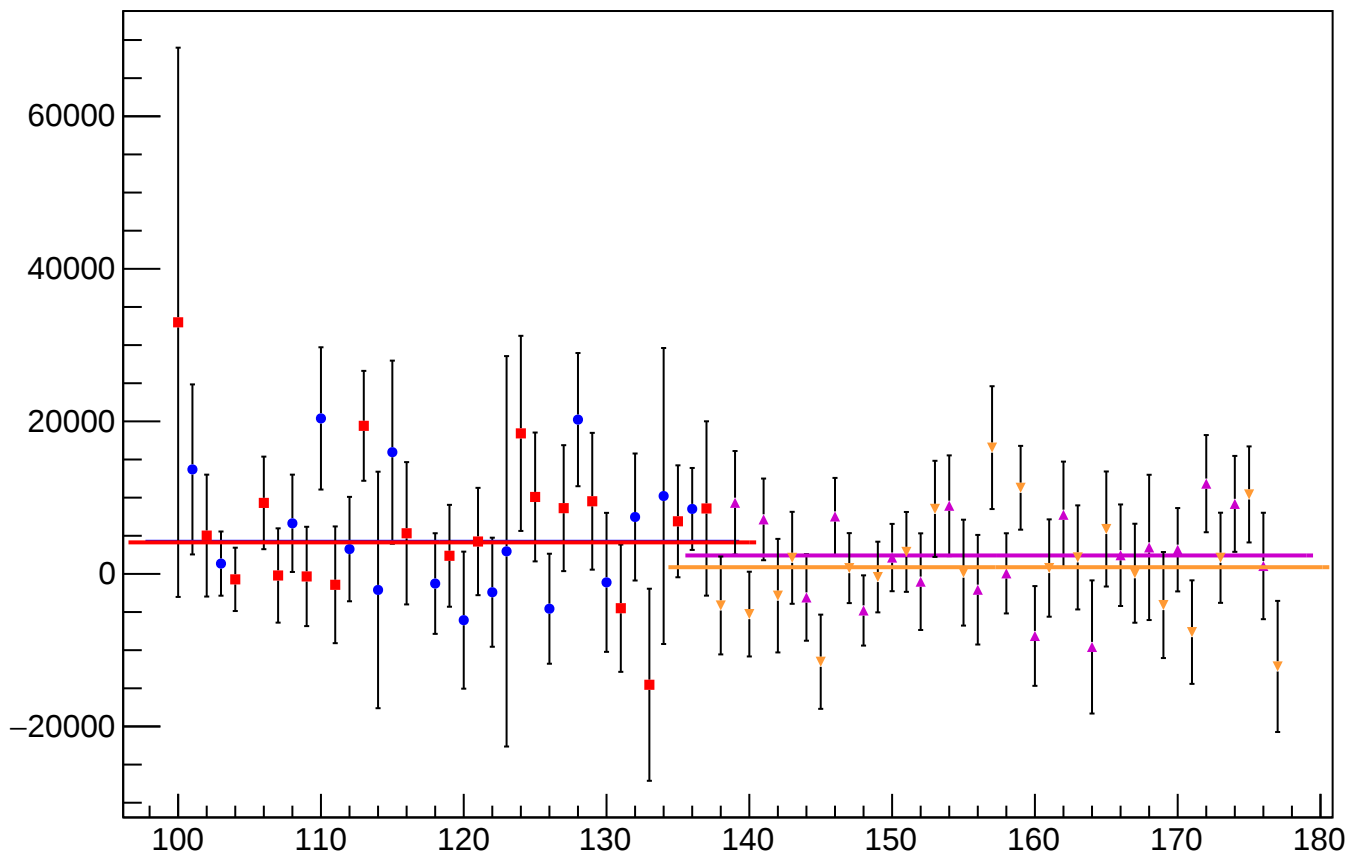
Right: 3901.622+/-0.781 χ^2/NDF : 2162777.5/35

In: 4555.756+/-0.715 χ^2/NDF : 2056416.0/35

Out: 4375.550+/-0.673 χ^2/NDF : 2891439.9/39

All: 4460.112+/-0.490 χ^2/NDF : 4981544.2/75

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: 878.561+/-1347.688 χ^2/NDF : 22.4/20

Right Out: 4133.660+/-1725.341 χ^2/NDF : 14.8/18

Left In: 2419.599+/-1382.246 χ^2/NDF : 16.6/18

Left: 1629.575+/-964.945 χ^2/NDF : 39.7/39

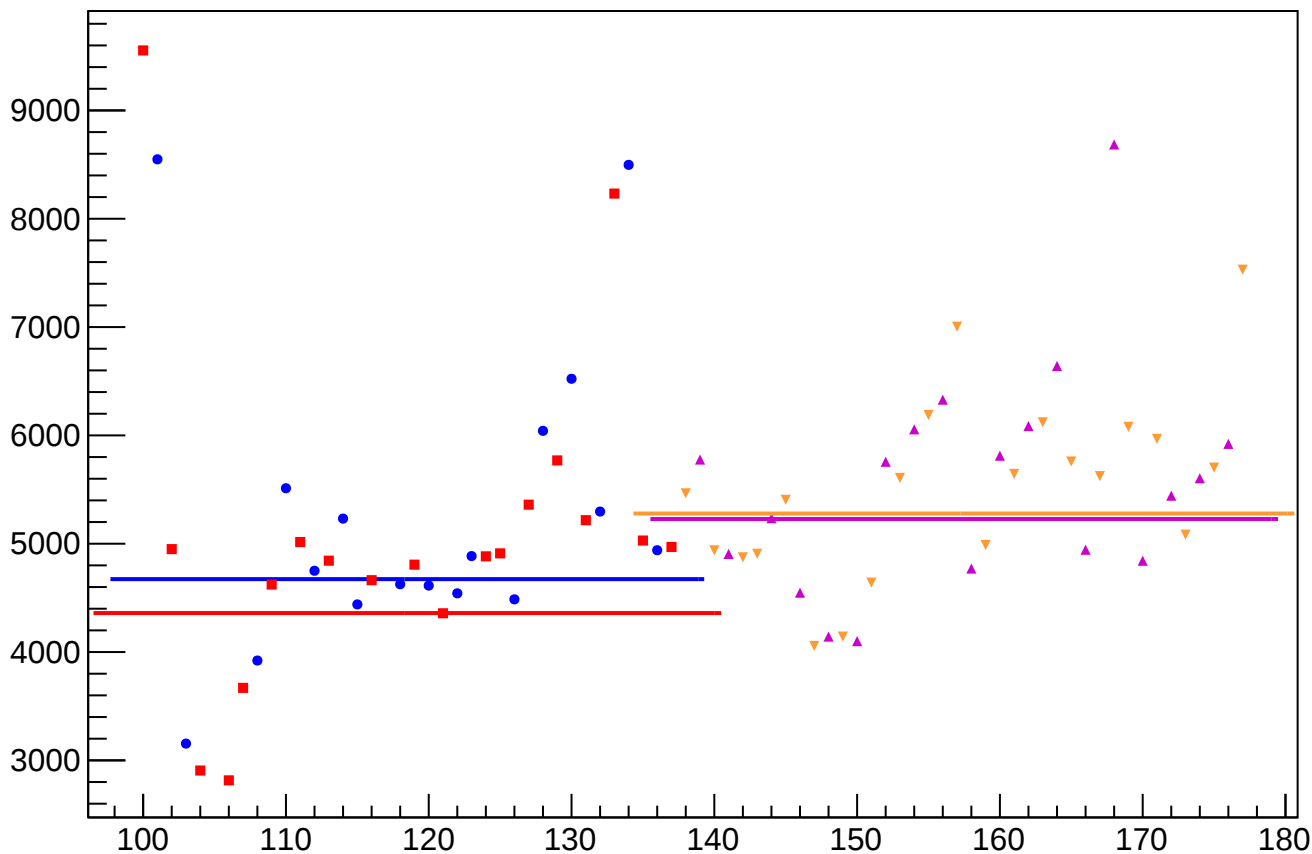
Right: 4169.584+/-1268.468 χ^2/NDF : 29.2/35

In: 3052.272+/-1111.822 χ^2/NDF : 31.6/35

Out: 2112.033+/-1062.081 χ^2/NDF : 39.4/39

All: 2560.650+/-767.987 χ^2/NDF : 71.4/75

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046 $\pm$ 1.323 χ^2/NDF : 777321.1/16

Left Out: 5278.713 $\pm$ 0.953 χ^2/NDF :698796.7/20

Right Out: 4359.833 $\pm$ 1.213 χ^2/NDF : 832191.0/18

Left In: 5227.876 $\pm$ 0.977 χ^2/NDF :810898.5/18

Left: 5253.938 $\pm$ 0.682 χ^2/NDF : 1511082.2/39

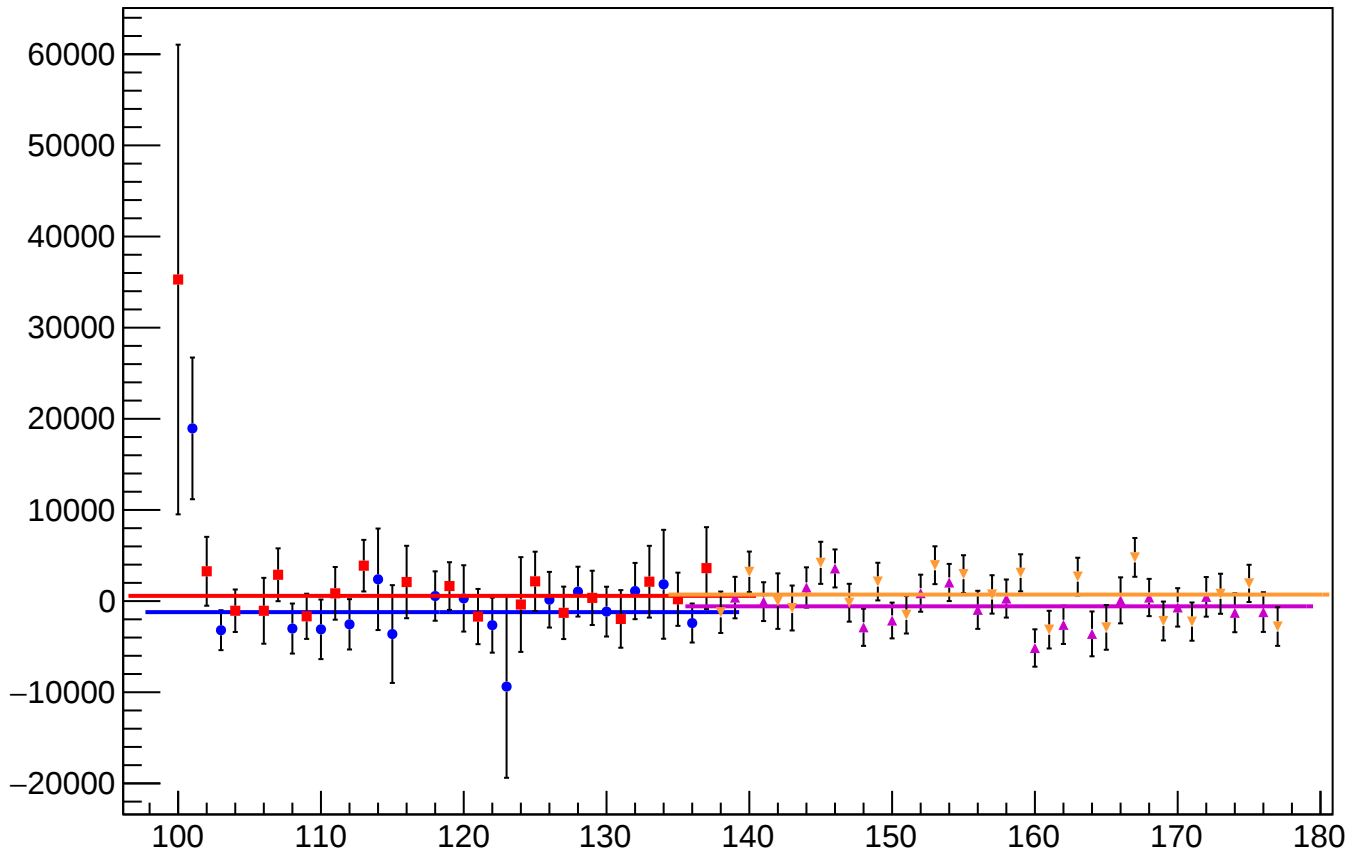
Right: 4502.849 $\pm$ 0.894 χ^2/NDF : 1639958.3/35

In: 5032.017 $\pm$ 0.786 χ^2/NDF :1701972.4/35

Out: 4928.009 $\pm$ 0.749 χ^2/NDF :1885843.7/39

All: 4977.520 $\pm$ 0.542 χ^2/NDF : 3596986.7/75

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1211.176 $\pm$ 765.294 χ^2 /NDF: 12.7/16

Left Out: 714.788 $\pm$ 473.415 χ^2 /NDF: 28.6/20

Right Out: 573.457 $\pm$ 730.668 χ^2 /NDF: 8.7/18

Left In: -573.564 $\pm$ 489.014 χ^2 /NDF: 17.5/18

Left: 91.488 $\pm$ 340.136 χ^2 /NDF: 49.7/39

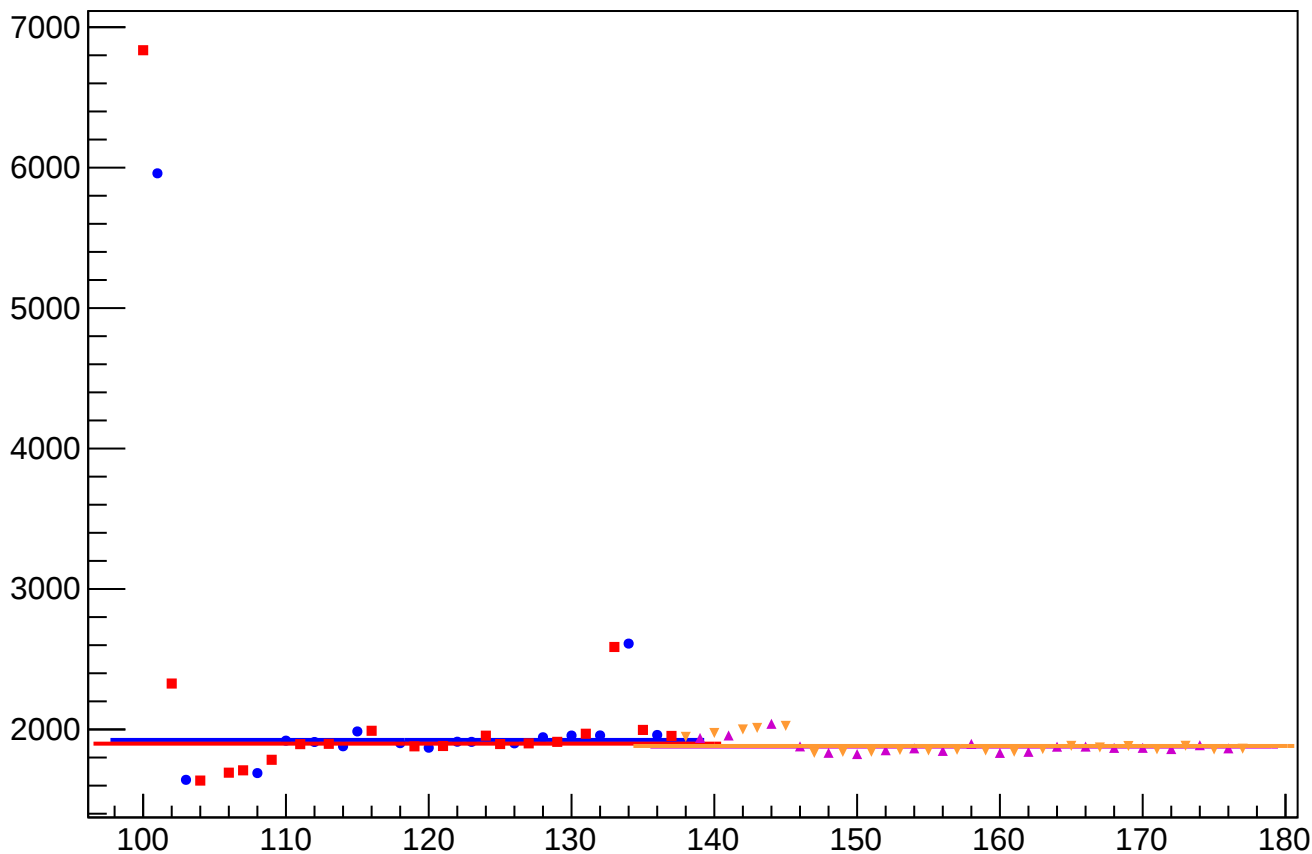
Right: -277.573 $\pm$ 528.478 χ^2 /NDF: 24.2/35

In: -758.425 $\pm$ 412.072 χ^2 /NDF: 30.6/35

Out: 673.000 $\pm$ 397.309 χ^2 /NDF: 37.3/39

All: -16.612 $\pm$ 286.016 χ^2 /NDF: 74.2/75

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1882.328+/-0.335 χ^2/NDF : 27451.2/20

Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

Left In: 1877.842+/-0.346 χ^2/NDF : 20330.5/18

Left: 1880.157+/-0.241 χ^2/NDF : 47868.6/39

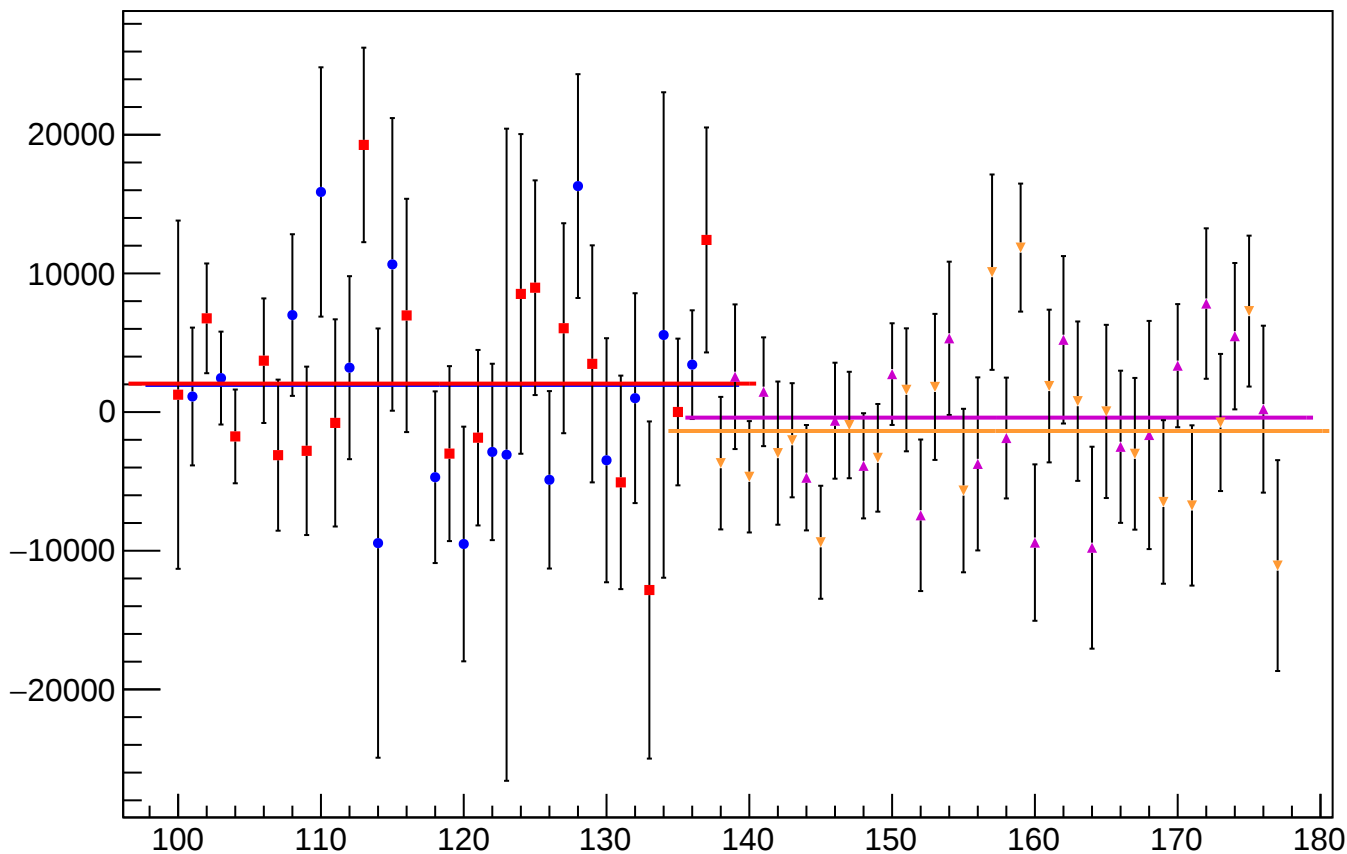
Right: 1911.445+/-0.373 χ^2/NDF : 827992.7/35

In: 1891.607+/-0.291 χ^2/NDF : 641660.1/35

Out: 1887.230+/-0.281 χ^2/NDF : 239049.2/39

All: 1889.337+/-0.202 χ^2/NDF : 880826.3/75

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1959.060 $\pm$ 1556.840 χ^2 /NDF: 12.9/16

Left Out: -1363.907 $\pm$ 1083.122 χ^2 /NDF:23.8/20

Right Out: 2052.842 $\pm$ 1413.641 χ^2 /NDF: 17.4/18

Left In: -400.380 $\pm$ 1124.728 χ^2 /NDF:16.1/18

Left: -900.294 $\pm$ 780.177 χ^2 /NDF: 40.2/39

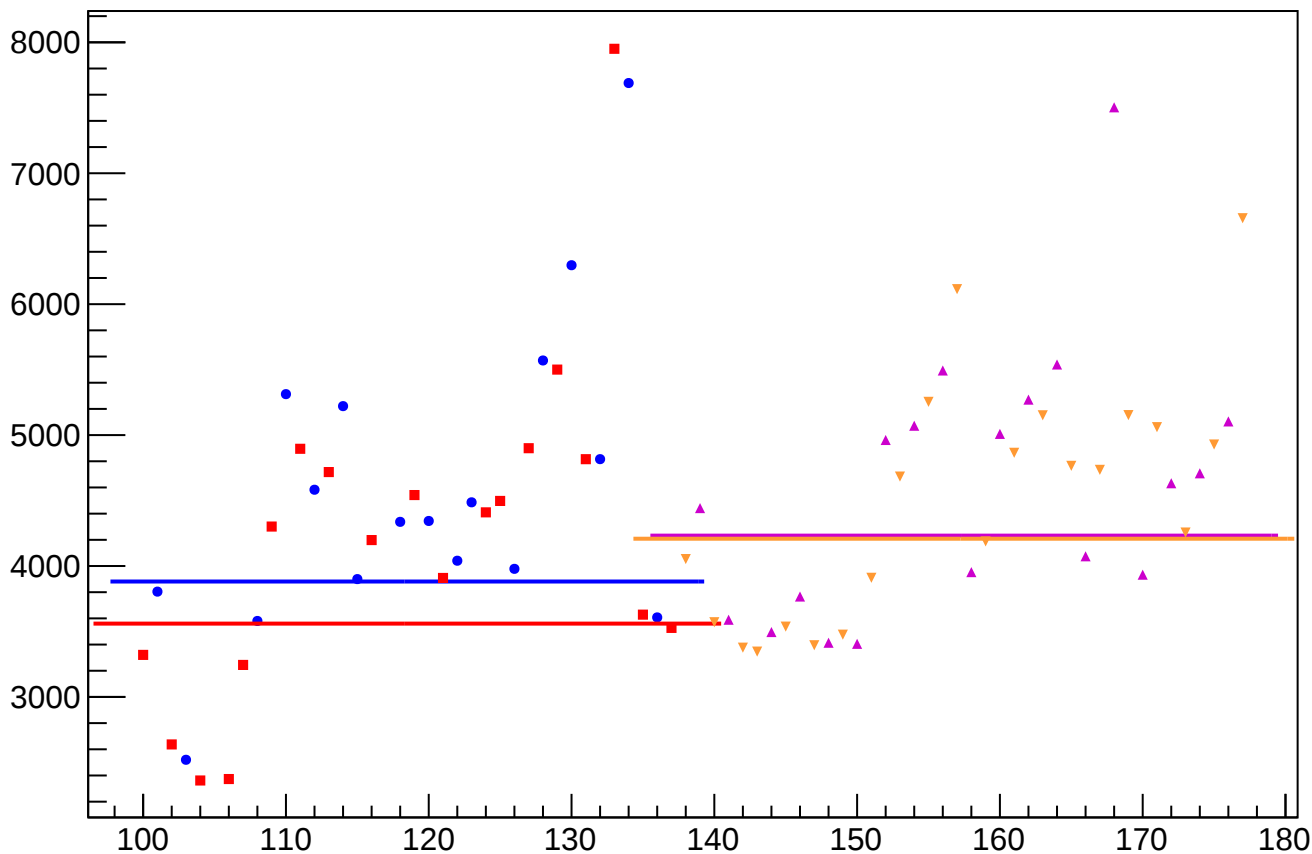
Right: 2010.461 $\pm$ 1046.568 χ^2 /NDF: 30.4/35

In: 408.759 $\pm$ 911.698 χ^2 /NDF:30.5/35

Out: -100.049 $\pm$ 859.769 χ^2 /NDF:44.9/39

All: 139.452 $\pm$ 625.501 χ^2 /NDF: 75.6/75

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.577+/-1.101 χ^2/NDF : 817466.6/16

Left Out: 4208.454+/-0.766 χ^2/NDF : 1096127.3/20

Right Out: 3560.054+/-1.000 χ^2/NDF : 1241523.0/18

Left In: 4232.062+/-0.795 χ^2/NDF : 1080756.6/18

Left: 4219.813+/-0.552 χ^2/NDF : 2177341.1/39

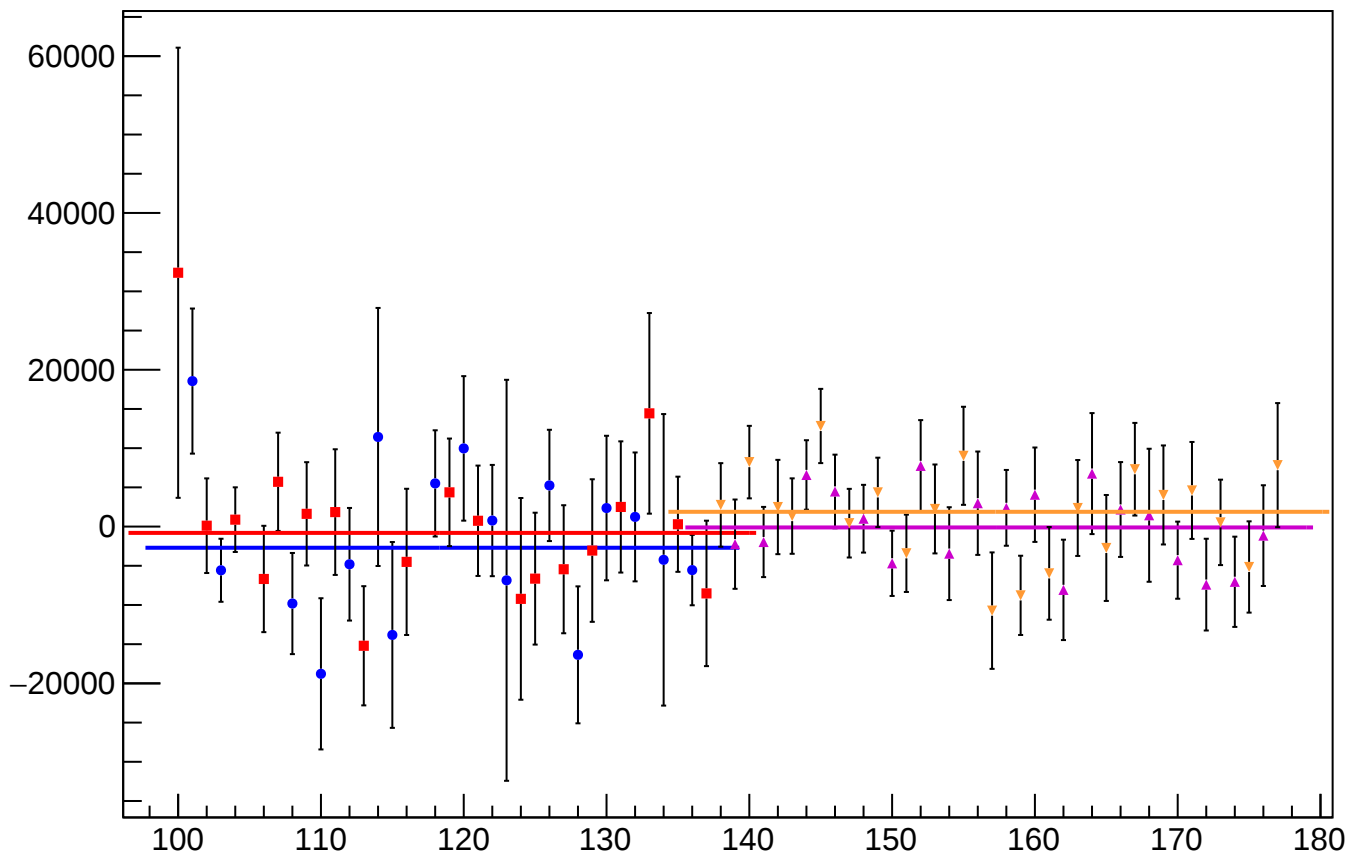
Right: 3705.352+/-0.740 χ^2/NDF : 2105744.2/35

In: 4111.868+/-0.645 χ^2/NDF : 1964825.1/35

Out: 3968.610+/-0.608 χ^2/NDF : 2602773.1/39

All: 4036.043+/-0.442 χ^2/NDF : 4593735.3/75

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2700.702 $\pm$ 1809.055 χ^2 /NDF: 19.8/16

Left Out: 1884.437 $\pm$ 1202.126 χ^2 /NDF: 23.0/20

Right Out: -805.951 $\pm$ 1690.353 χ^2 /NDF: 11.6/18

Left In: -111.389 $\pm$ 1243.201 χ^2 /NDF: 14.2/18

Left: 920.039 $\pm$ 864.188 χ^2 /NDF: 38.5/39

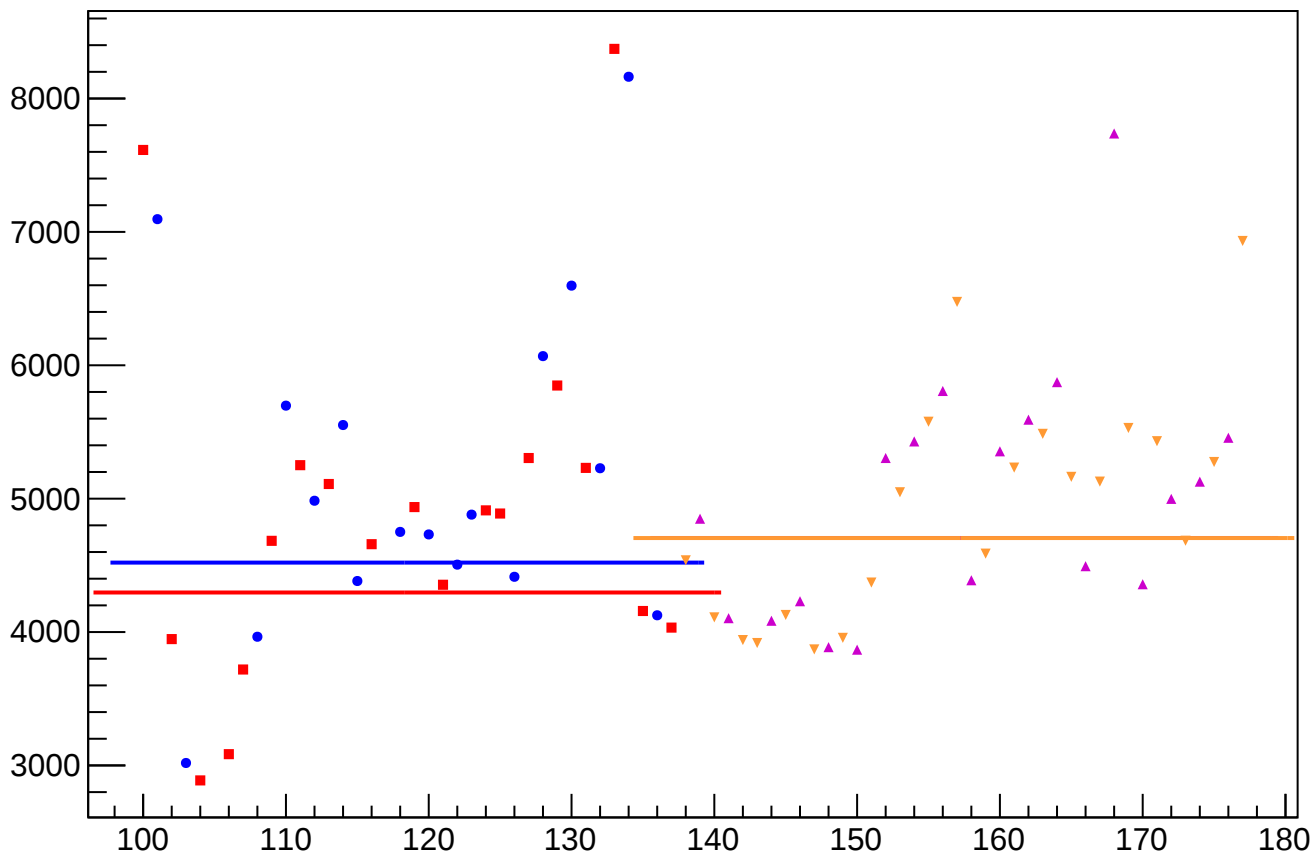
Right: -1689.130 $\pm$ 1235.094 χ^2 /NDF: 31.9/35

In: -941.966 $\pm$ 1024.589 χ^2 /NDF: 35.3/35

Out: 980.779 $\pm$ 979.653 χ^2 /NDF: 36.2/39

All: 62.494 $\pm$ 708.072 χ^2 /NDF: 73.4/75

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685 $\pm$ 1.279 χ^2 /NDF: 770887.4/16

Left Out: 4704.758 $\pm$ 0.850 χ^2 /NDF: 757911.0/20

Right Out: 4296.527 $\pm$ 1.189 χ^2 /NDF: 771785.2/18

Left In: 4705.211 $\pm$ 0.879 χ^2 /NDF: 783963.1/18

Left: 4704.977 $\pm$ 0.611 χ^2 /NDF: 1541874.2/39

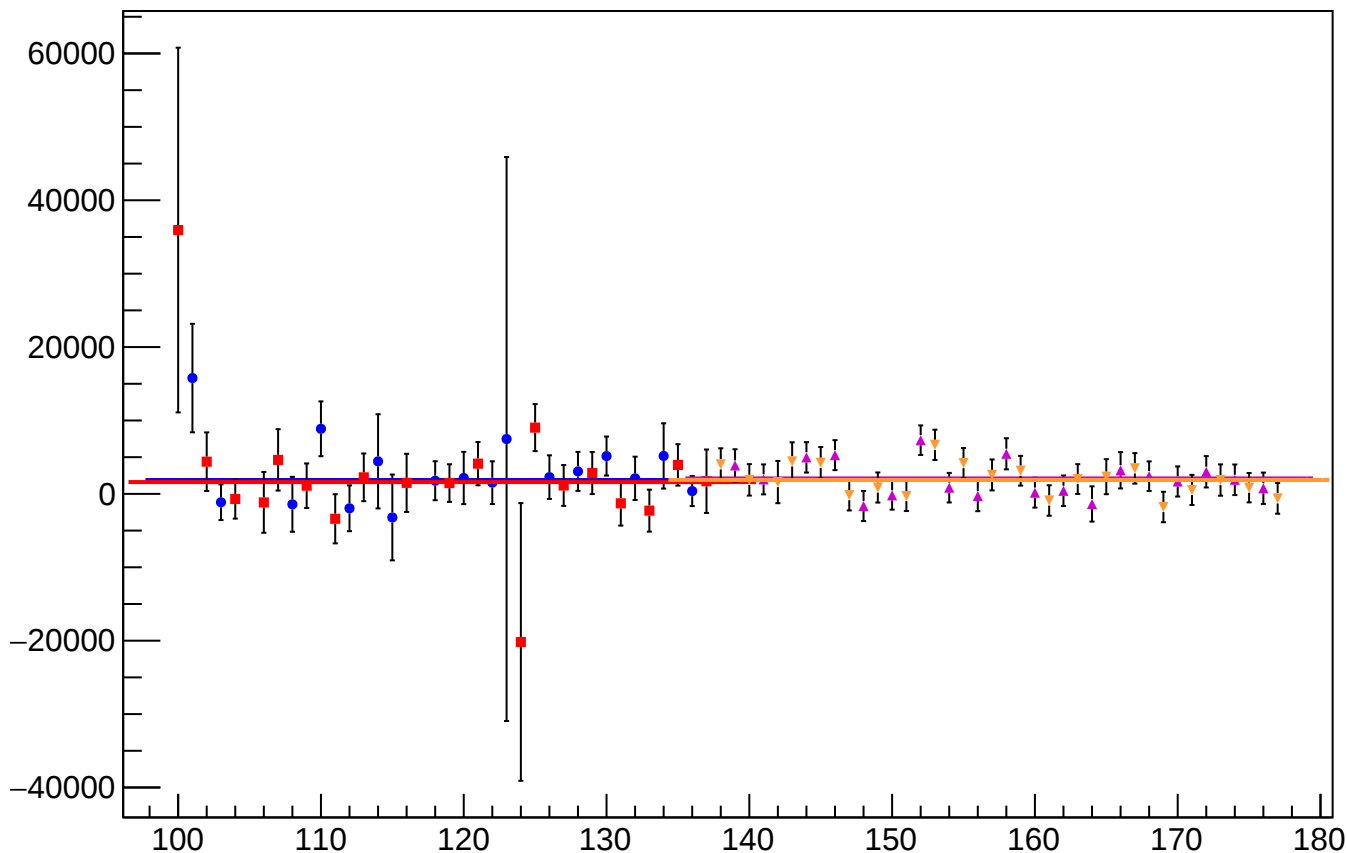
Right: 4400.391 $\pm$ 0.871 χ^2 /NDF: 1559151.4/35

In: 4646.020 $\pm$ 0.724 χ^2 /NDF: 1568984.3/35

Out: 4566.625 $\pm$ 0.691 χ^2 /NDF: 1607739.4/39

All: 4604.469 $\pm$ 0.500 χ^2 /NDF: 3183008.7/75

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 1892.708 $\pm$ 465.604 χ^2 /NDF:20.4/20

Right Out: 1610.310 $\pm$ 765.843 χ^2 /NDF: 17.5/18

Left In: 2104.145 $\pm$ 480.583 χ^2 /NDF:25.2/18

Left: 1995.080 $\pm$ 334.402 χ^2 /NDF: 45.6/39

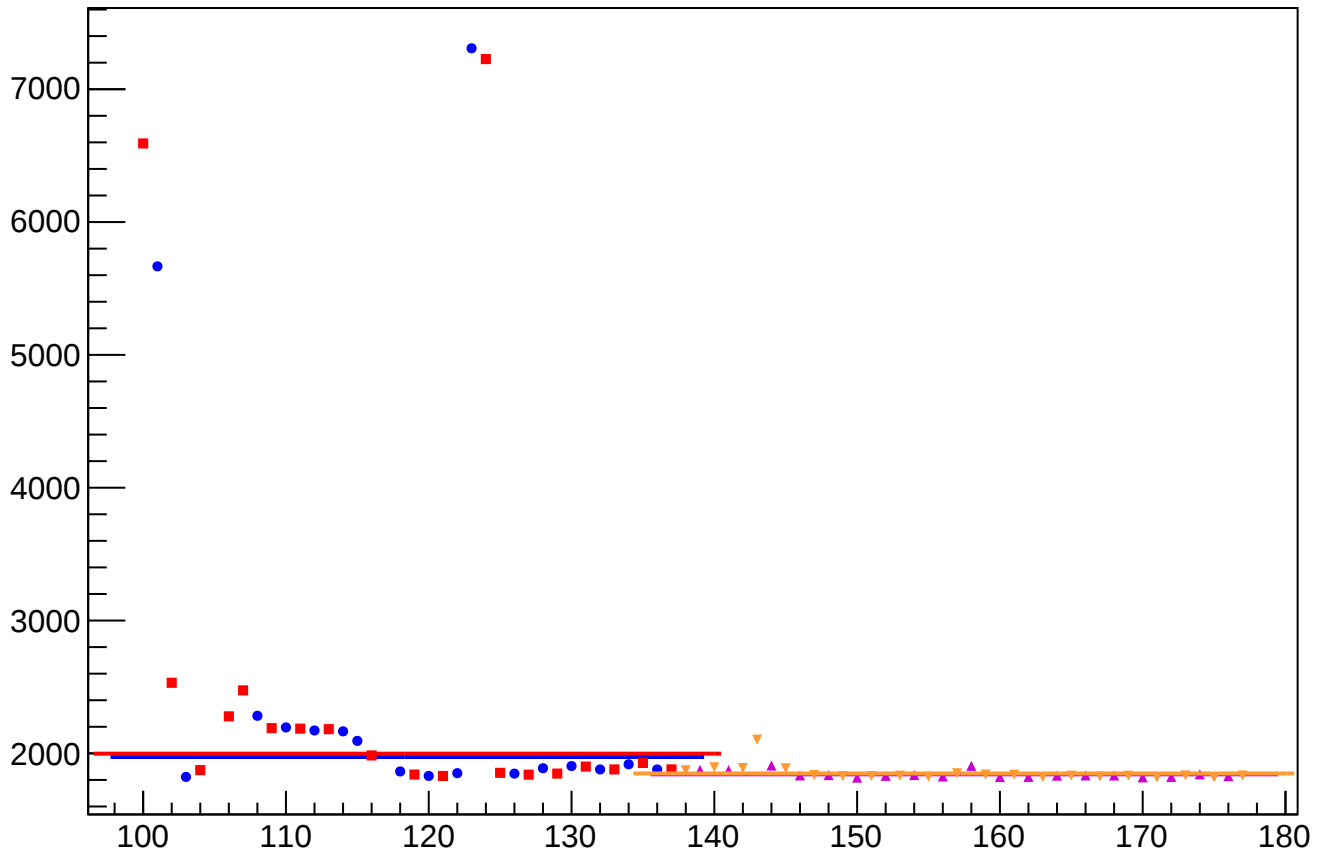
Right: 1745.891 $\pm$ 547.780 χ^2 /NDF: 32.2/35

In: 2045.068 $\pm$ 409.706 χ^2 /NDF:39.9/35

Out: 1816.497 $\pm$ 397.848 χ^2 /NDF:37.9/39

All: 1927.427 $\pm$ 285.421 χ^2 /NDF: 78.0/75

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1848.628+/-0.329 χ^2/NDF :24242.5/20

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

Left In: 1842.088+/-0.340 χ^2/NDF :6283.2/18

Left: 1845.461+/-0.236 χ^2/NDF : 30716.7/39

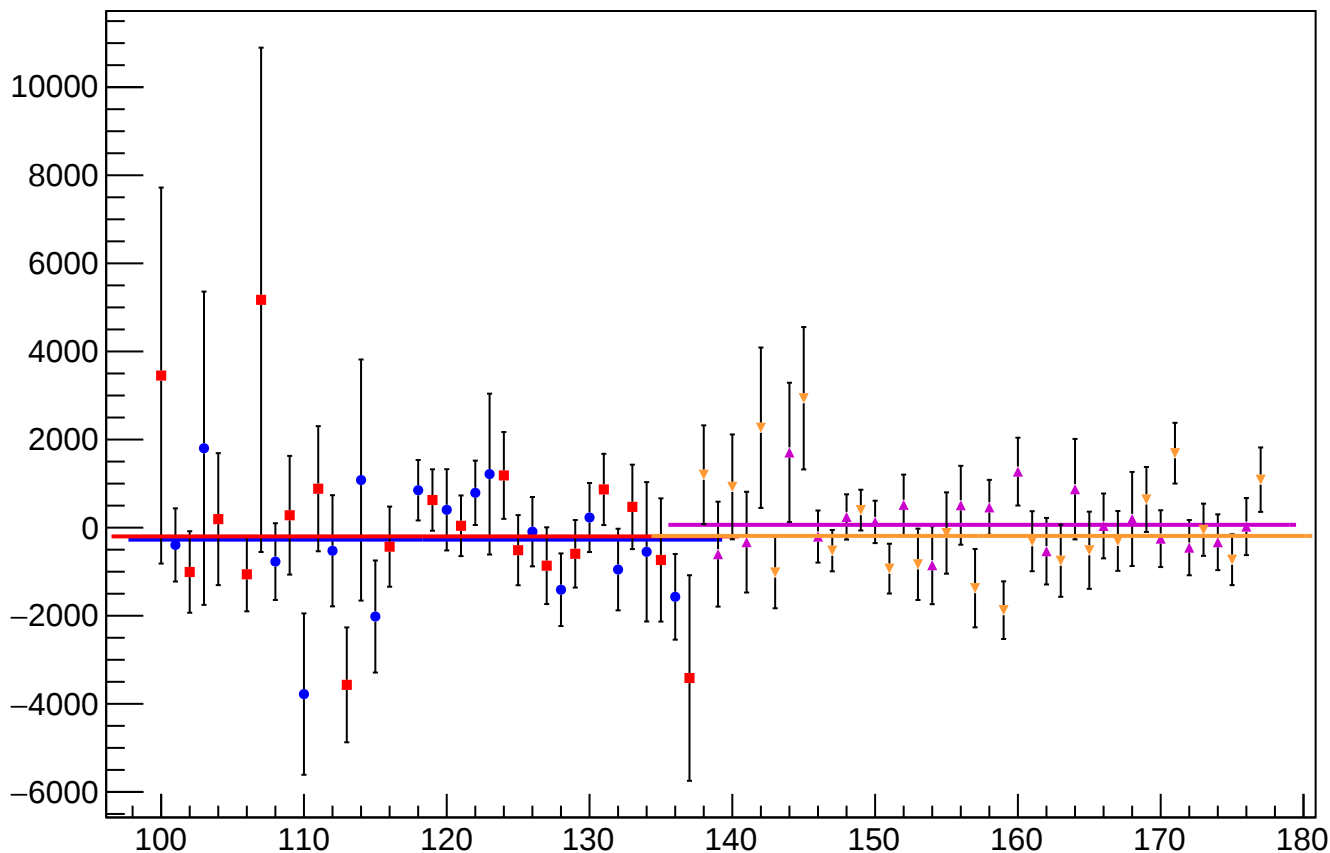
Right: 1985.358+/-0.387 χ^2/NDF : 957496.6/35

In: 1877.714+/-0.290 χ^2/NDF :647380.6/35

Out: 1888.844+/-0.281 χ^2/NDF :435104.1/39

All: 1883.442+/-0.202 χ^2/NDF : 1083244.3/75

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -271.773+/-240.214 χ^2/NDF : 17.2/16

Left Out: -187.814+/-155.973 χ^2/NDF : 35.2/20

Right Out: -198.424+/-229.035 χ^2/NDF : 19.7/18

Left In: 63.678+/-164.839 χ^2/NDF : 8.9/18

Left: -69.012+/-113.294 χ^2/NDF : 45.4/39

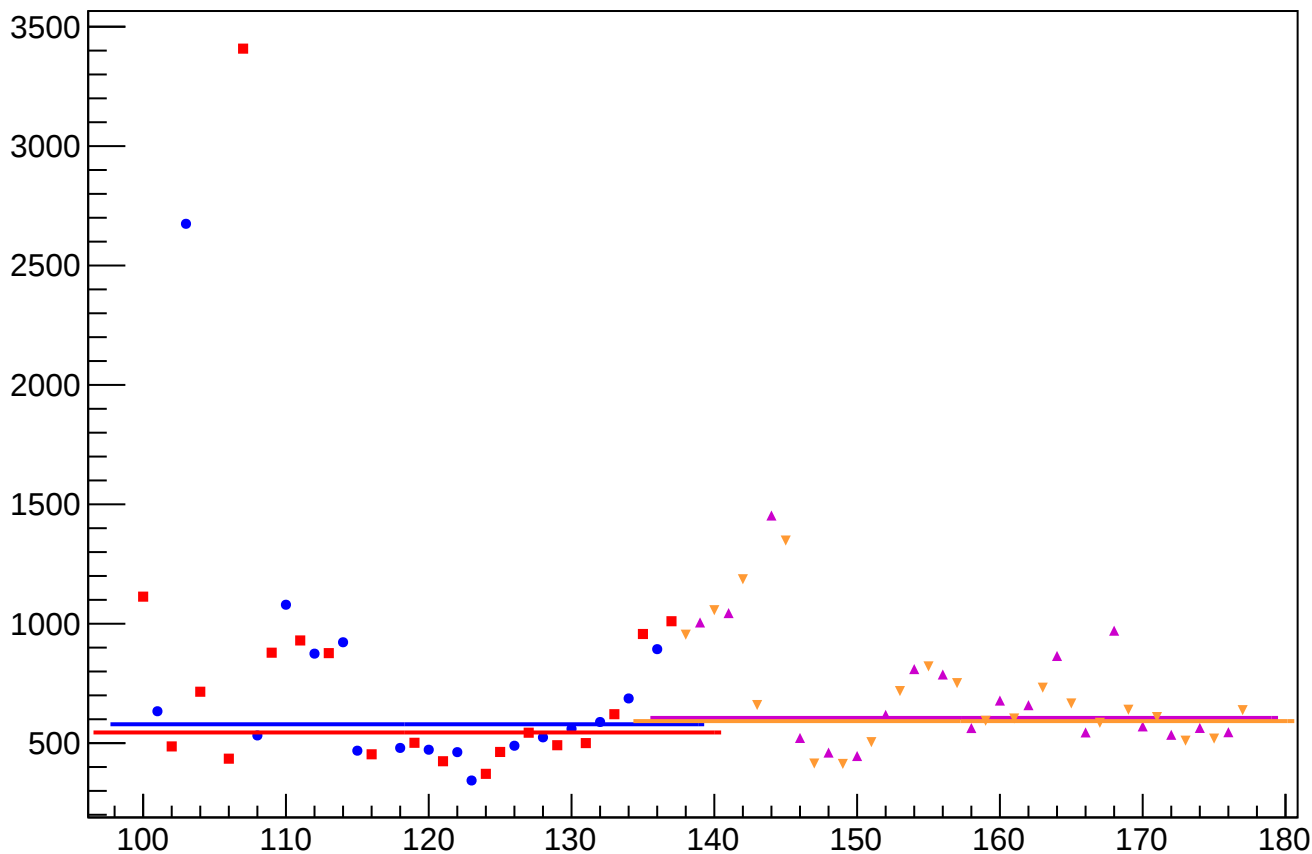
Right: -233.352+/-165.764 χ^2/NDF : 37.0/35

In: -43.714+/-135.916 χ^2/NDF : 27.5/35

Out: -191.175+/-128.919 χ^2/NDF : 54.9/39

All: -121.338+/-93.535 χ^2/NDF : 83.1/75

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 592.237 $\pm$ 0.110 χ^2 /NDF:2209302.9/20

Right Out: 544.674 $\pm$ 0.162 χ^2 /NDF: 1457799.9/18

Left In: 605.514 $\pm$ 0.117 χ^2 /NDF:2148021.4/18

Left: 598.509 $\pm$ 0.080 χ^2 /NDF: 4364170.1/39

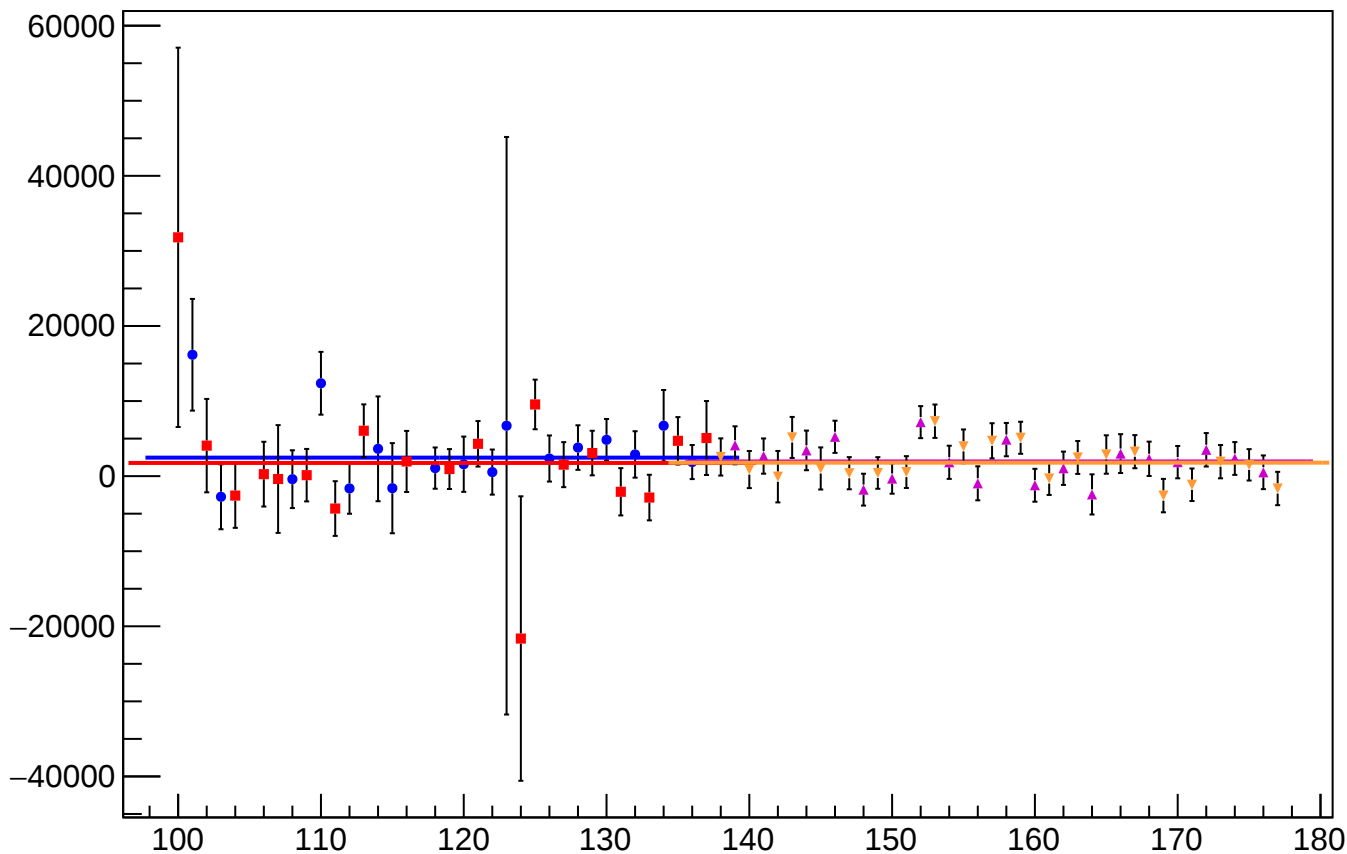
Right: 561.024 $\pm$ 0.117 χ^2 /NDF: 2901353.8/35

In: 597.029 $\pm$ 0.096 χ^2 /NDF:3586722.8/35

Out: 577.168 $\pm$ 0.091 χ^2 /NDF:3726028.2/39

All: 586.574 $\pm$ 0.066 χ^2 /NDF: 7335233.0/75

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076+/-863.197 χ^2/NDF : 15.5/16

Left Out: 1793.904+/-502.167 χ^2/NDF : 24.2/20

Right Out: 1756.788+/-853.292 χ^2/NDF : 20.5/18

Left In: 1956.371+/-519.359 χ^2/NDF : 23.4/18

Left: 1872.404+/-361.010 χ^2/NDF : 47.6/39

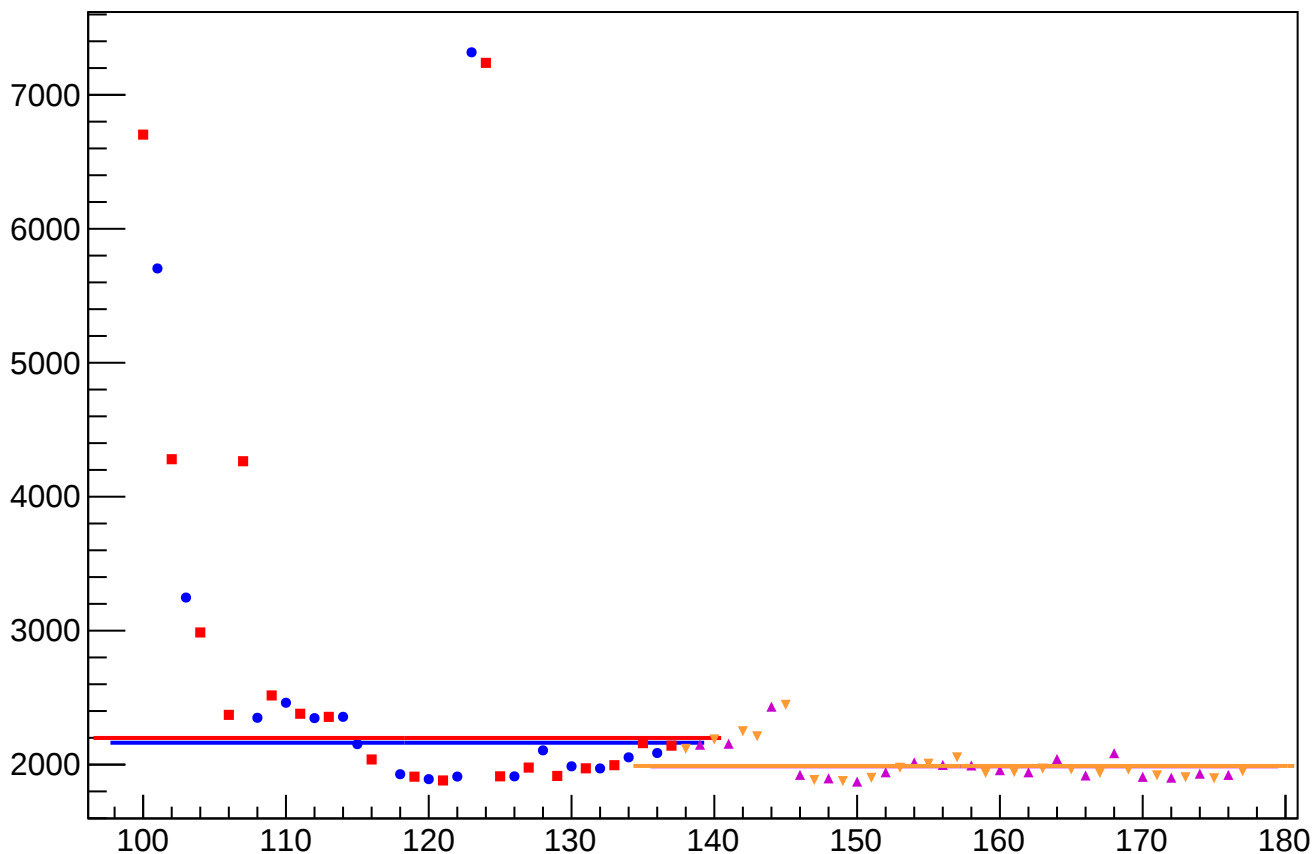
Right: 2106.351+/-606.840 χ^2/NDF : 36.4/35

In: 2091.313+/-445.019 χ^2/NDF : 39.2/35

Out: 1784.356+/-432.784 χ^2/NDF : 44.7/39

All: 1933.557+/-310.260 χ^2/NDF : 84.1/75

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 1990.049+/-0.355 χ^2/NDF : 124651.6/20

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

Left In: 1987.390+/-0.367 χ^2/NDF : 103977.2/18

Left: 1988.764+/-0.255 χ^2/NDF : 228655.8/39

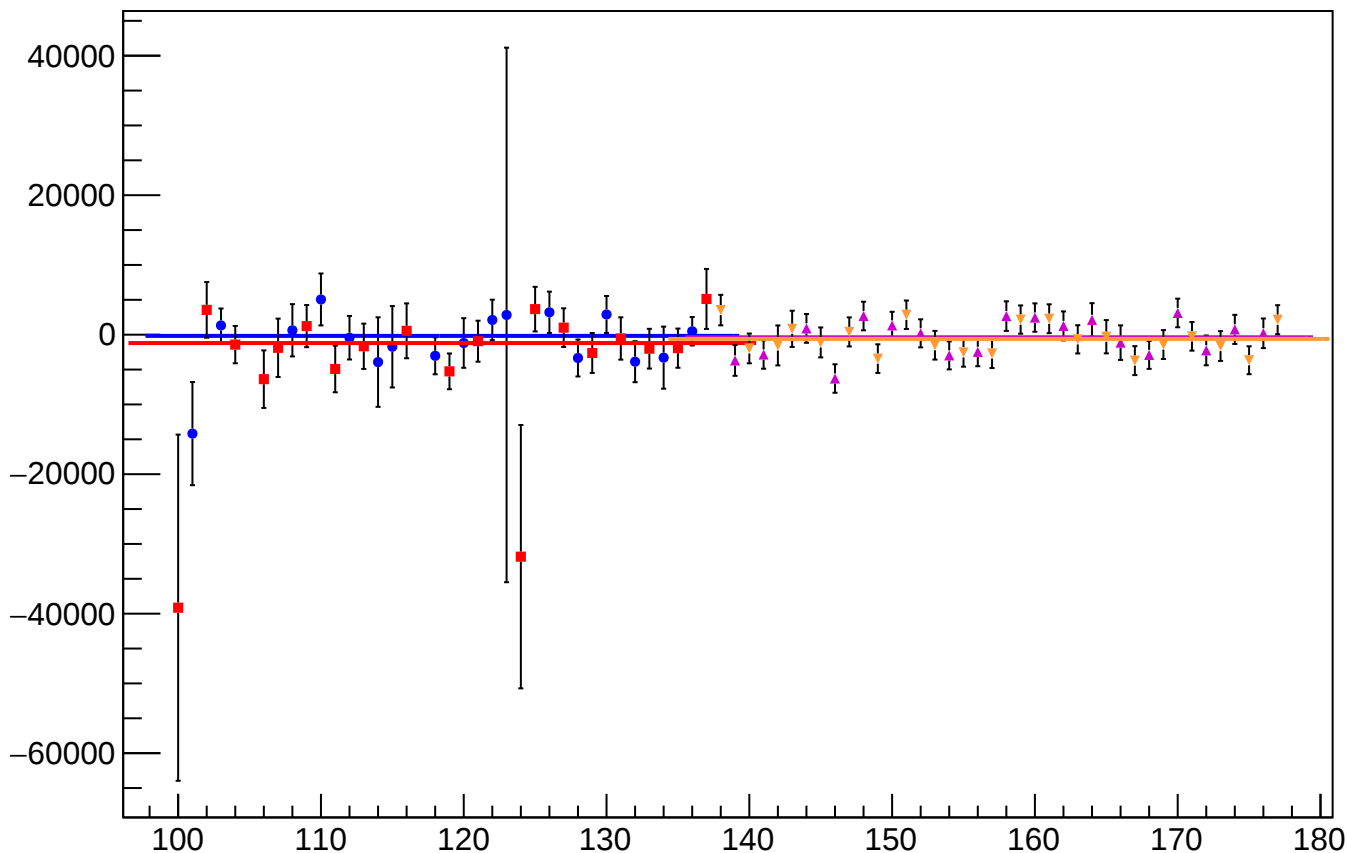
Right: 2181.359+/-0.429 χ^2/NDF : 1514611.9/35

In: 2034.146+/-0.315 χ^2/NDF : 874546.8/35

Out: 2043.801+/-0.306 χ^2/NDF : 1017029.6/39

All: 2039.108+/-0.219 χ^2/NDF : 1892060.3/75

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -170.351+/-782.384 χ^2/NDF : 14.5/16

Left Out: -604.057+/-464.849 χ^2/NDF :22.1/20

Right Out: -1197.543+/-764.254 χ^2/NDF : 18.2/18

Left In: -371.588+/-479.987 χ^2/NDF :29.6/18

Left: -491.546+/-333.921 χ^2/NDF : 51.9/39

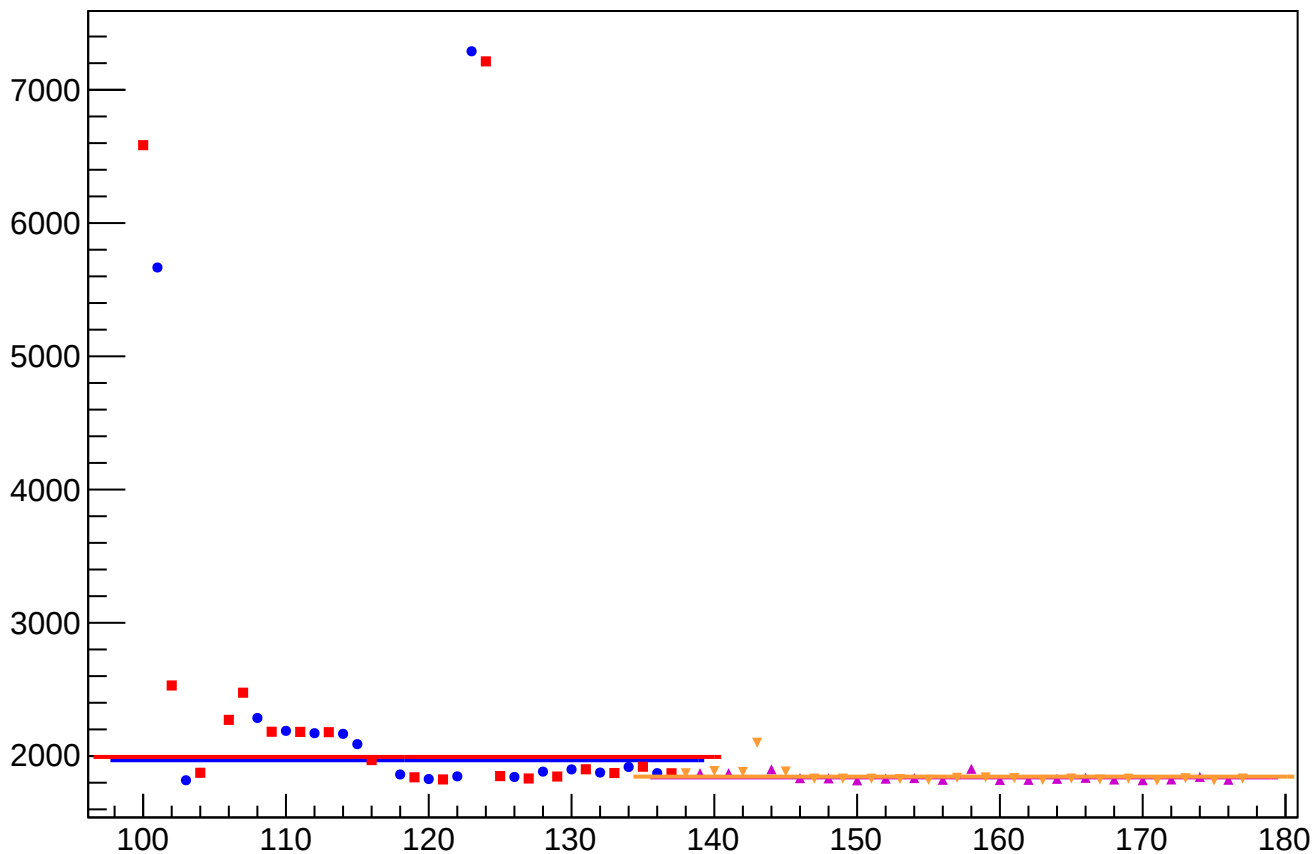
Right: -695.987+/-546.706 χ^2/NDF : 33.6/35

In: -316.559+/-409.130 χ^2/NDF :44.2/35

Out: -764.327+/-397.154 χ^2/NDF :40.8/39

All: -547.093+/-284.970 χ^2/NDF : 85.6/75

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1845.668 $\pm$ 0.329 χ^2 /NDF: 23695.9/20

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

Left In: 1839.810 $\pm$ 0.339 χ^2 /NDF: 5948.3/18

Left: 1842.833 $\pm$ 0.236 χ^2 /NDF: 29797.9/39

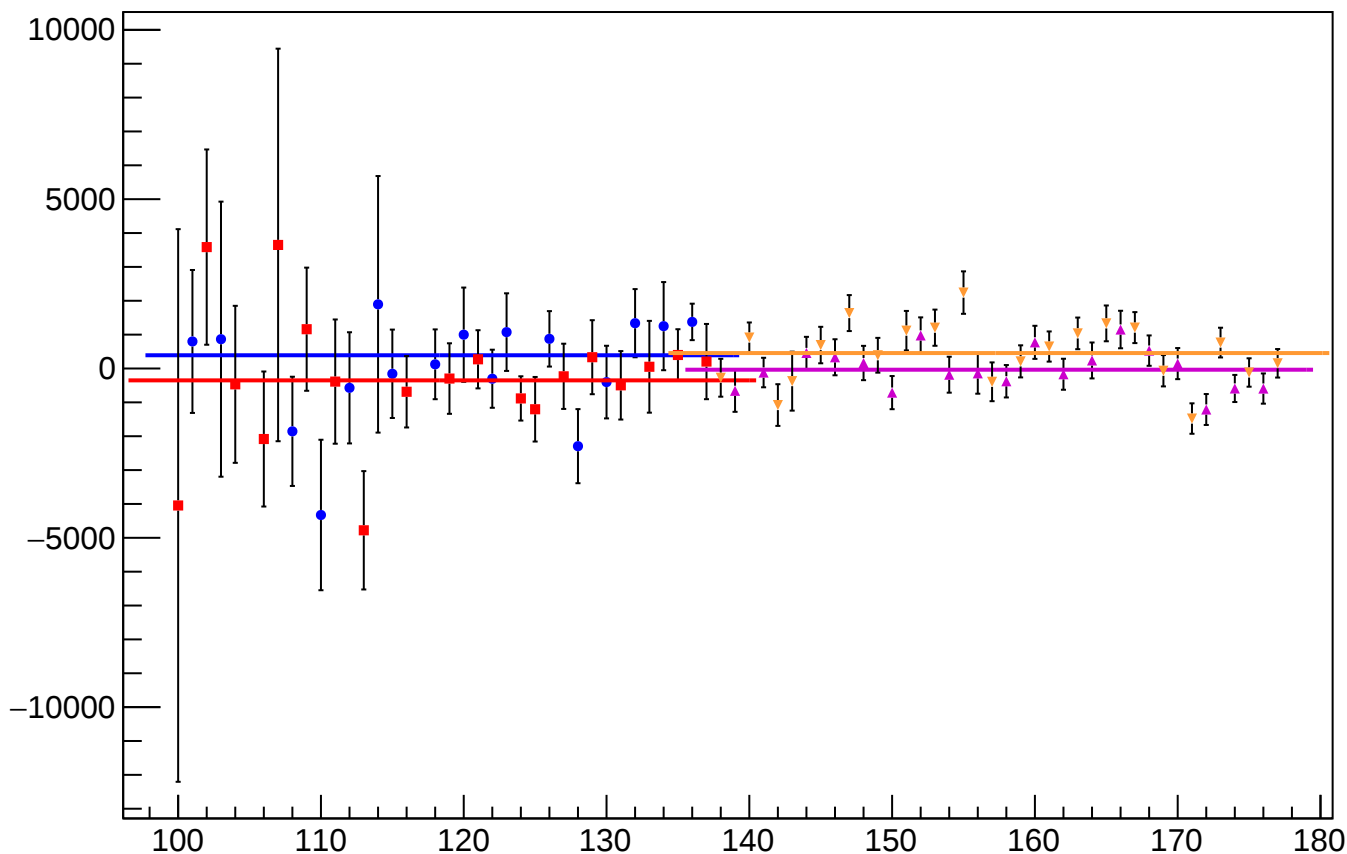
Right: 1981.318 $\pm$ 0.387 χ^2 /NDF: 960172.6/35

In: 1875.037 $\pm$ 0.289 χ^2 /NDF: 648315.8/35

Out: 1885.569 $\pm$ 0.281 χ^2 /NDF: 434435.0/39

All: 1880.459 $\pm$ 0.202 χ^2 /NDF: 1083433.1/75

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923 $\pm$ 270.128 χ^2 /NDF: 20.0/16

Left Out: 455.892 $\pm$ 109.371 χ^2 /NDF:58.7/20

Right Out: -350.642 $\pm$ 266.097 χ^2 /NDF: 14.2/18

Left In: -35.941 $\pm$ 112.063 χ^2 /NDF:28.4/18

Left: 215.953 $\pm$ 78.271 χ^2 /NDF: 97.0/39

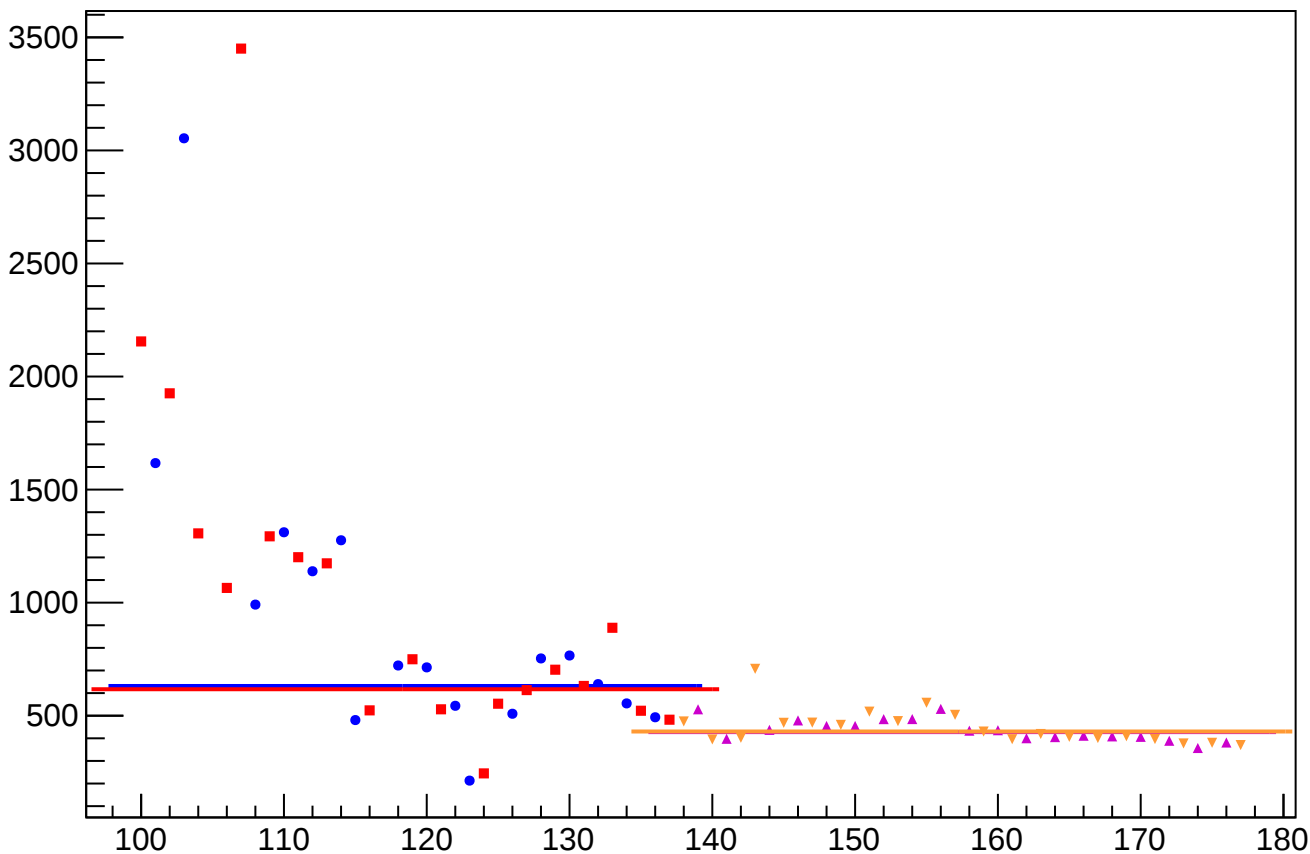
Right: 14.566 $\pm$ 189.568 χ^2 /NDF: 38.1/35

In: 26.736 $\pm$ 103.509 χ^2 /NDF:50.5/35

Out: 339.329 $\pm$ 101.160 χ^2 /NDF:80.8/39

All: 186.621 $\pm$ 72.347 χ^2 /NDF: 136.0/75

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 430.157 $\pm$ 0.077 χ^2 /NDF: 572695.5/20

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

Left In: 427.462 $\pm$ 0.079 χ^2 /NDF: 316474.3/18

Left: 428.842 $\pm$ 0.055 χ^2 /NDF: 889762.1/39

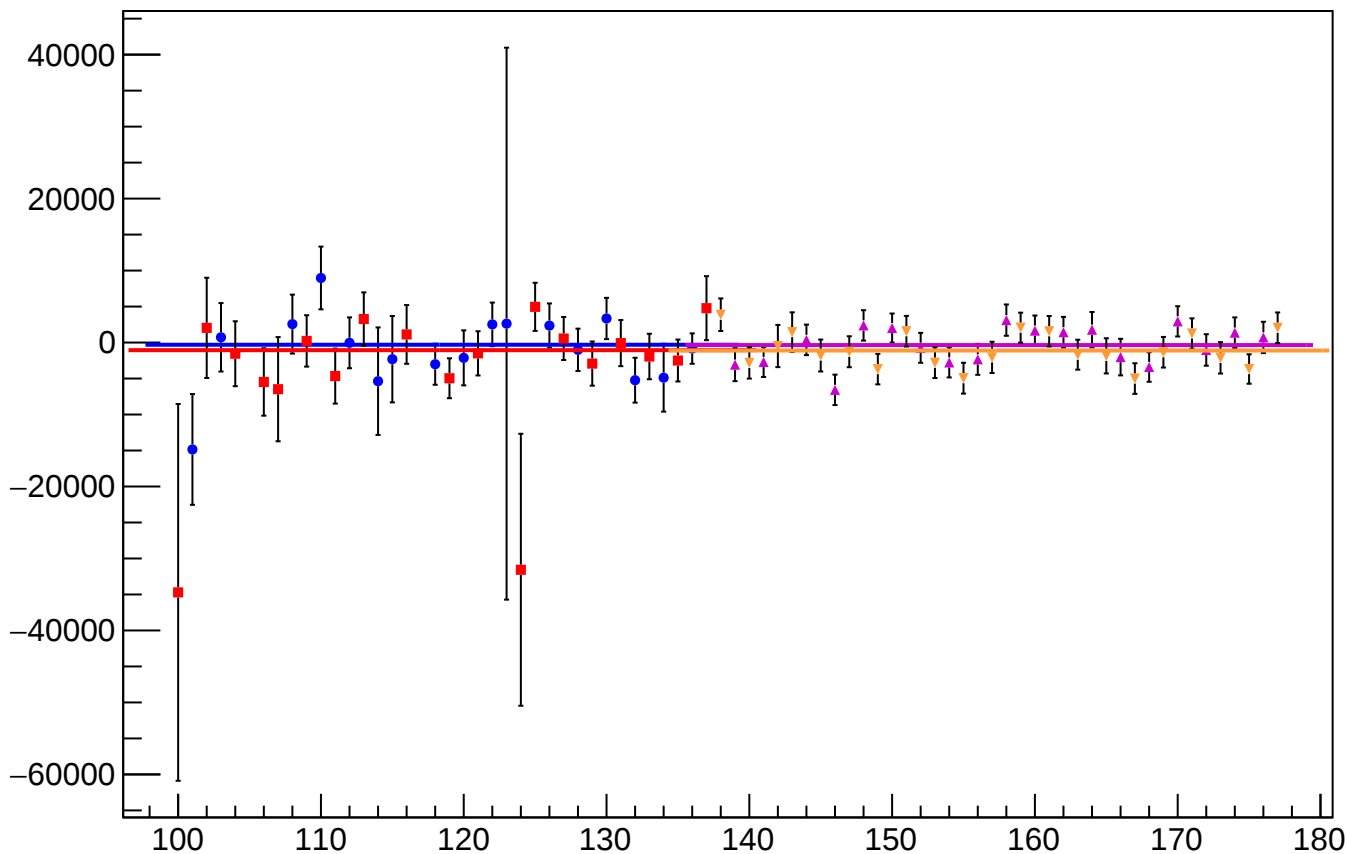
Right: 624.124 $\pm$ 0.134 χ^2 /NDF: 5065724.7/35

In: 457.411 $\pm$ 0.073 χ^2 /NDF: 3550017.7/35

Out: 457.165 $\pm$ 0.072 χ^2 /NDF: 4218721.3/39

All: 457.285 $\pm$ 0.051 χ^2 /NDF: 7768744.8/75

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713+/-871.922 χ^2/NDF : 17.2/16

Left Out: -1104.792+/-478.946 χ^2/NDF : 26.3/20

Right Out: -1056.856+/-867.445 χ^2/NDF : 16.6/18

Left In: -350.808+/-493.912 χ^2/NDF : 27.7/18

Left: -739.396+/-343.835 χ^2/NDF : 55.3/39

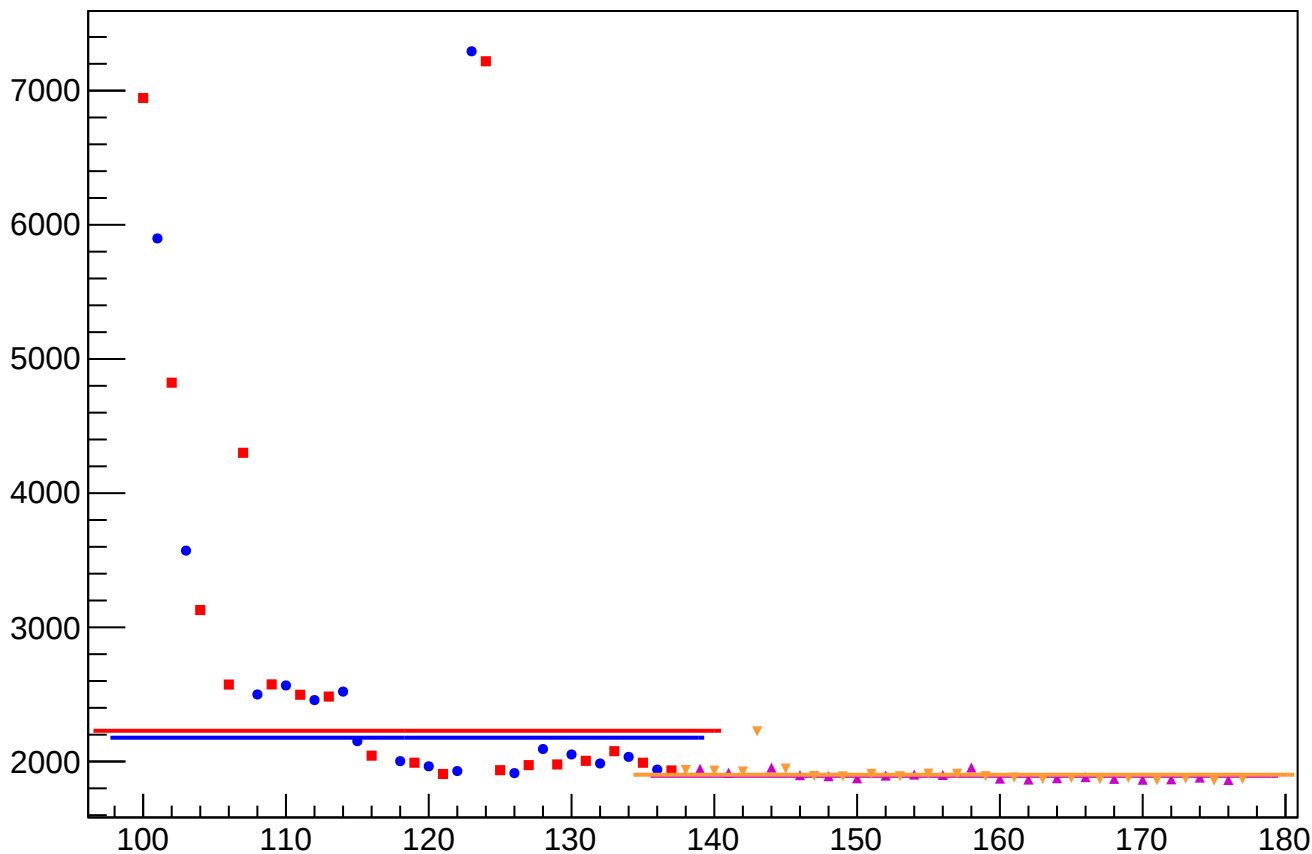
Right: -683.218+/-614.953 χ^2/NDF : 34.2/35

In: -339.853+/-429.752 χ^2/NDF : 44.9/35

Out: -1093.593+/-419.281 χ^2/NDF : 43.0/39

All: -726.016+/-300.110 χ^2/NDF : 89.4/75

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446 $\pm$ 0.617 χ^2 /NDF: 802836.7/16

Left Out: 1901.520 $\pm$ 0.339 χ^2 /NDF:33912.1/20

Right Out: 2229.014 $\pm$ 0.613 χ^2 /NDF: 895809.1/18

Left In: 1893.327 $\pm$ 0.349 χ^2 /NDF:6866.0/18

Left: 1897.549 $\pm$ 0.243 χ^2 /NDF: 41061.7/39

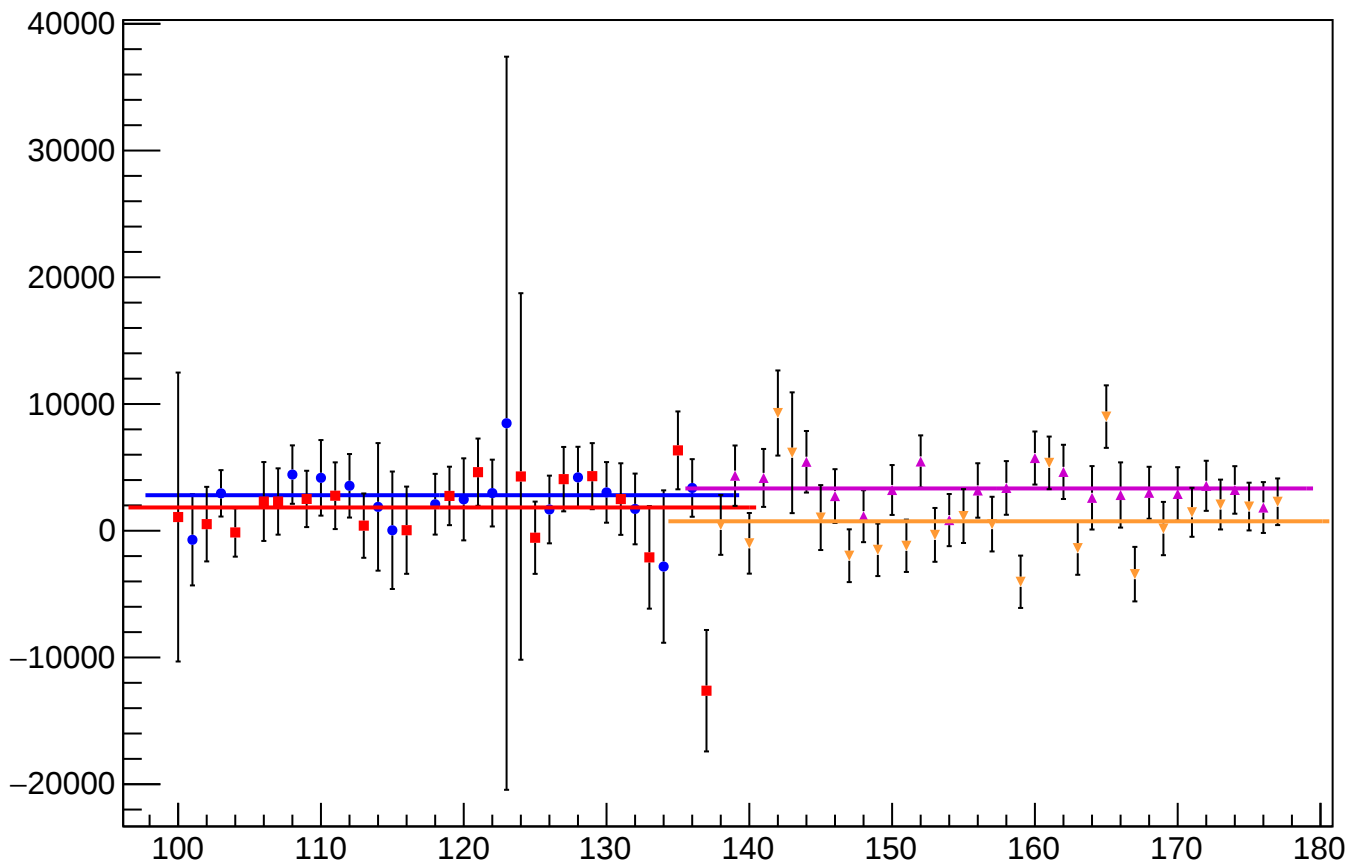
Right: 2203.363 $\pm$ 0.435 χ^2 /NDF: 1702161.6/35

In: 1962.348 $\pm$ 0.304 χ^2 /NDF:970475.6/35

Out: 1978.032 $\pm$ 0.296 χ^2 /NDF:1148191.7/39

All: 1970.383 $\pm$ 0.212 χ^2 /NDF: 2120032.2/75

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 746.203 $\pm$ 476.846 χ^2 /NDF:40.4/20

Right Out: 1837.168 $\pm$ 655.307 χ^2 /NDF: 18.0/18

Left In: 3337.356 $\pm$ 489.380 χ^2 /NDF:7.3/18

Left: 2008.172 $\pm$ 341.526 χ^2 /NDF: 62.1/39

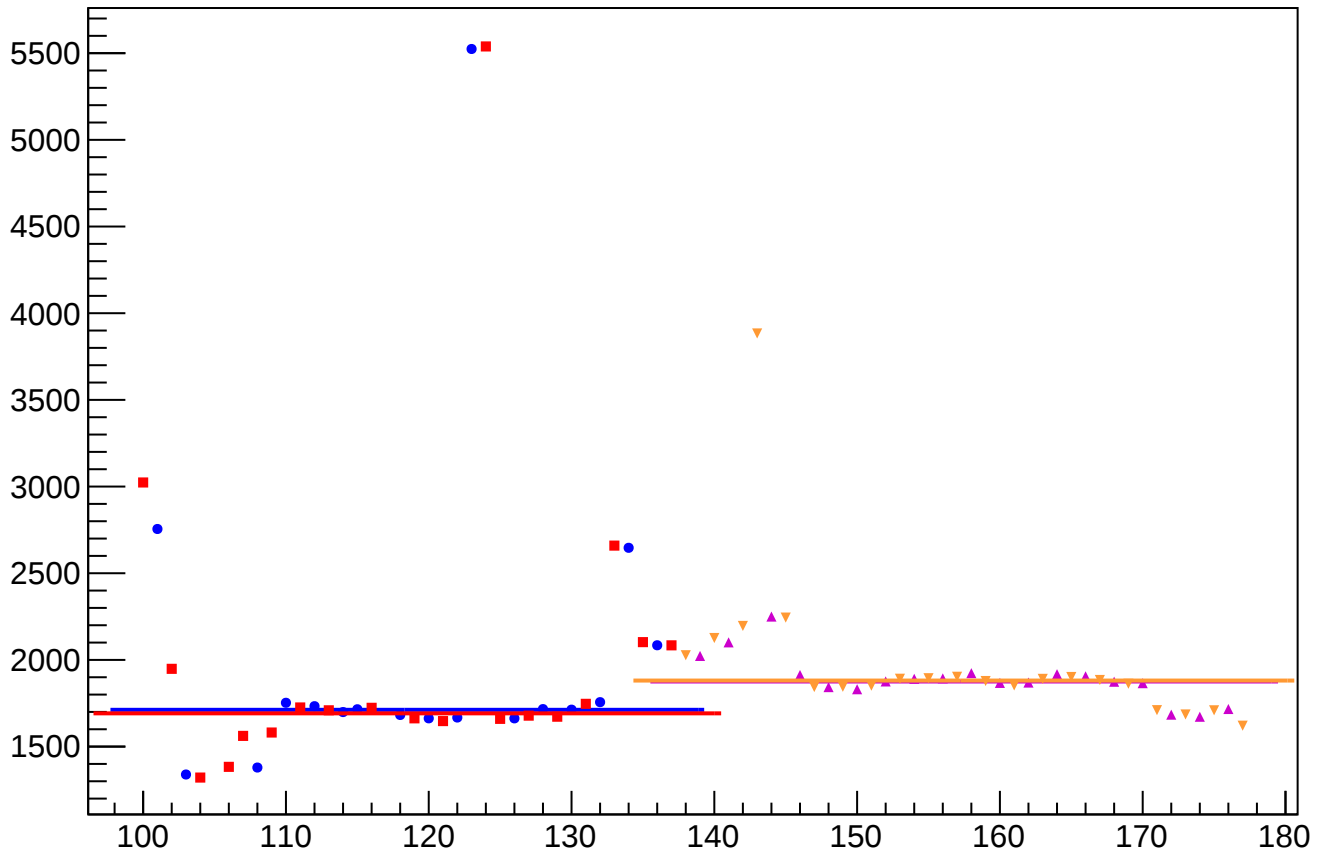
Right: 2303.702 $\pm$ 471.374 χ^2 /NDF: 23.0/35

In: 3154.828 $\pm$ 396.920 χ^2 /NDF:11.6/35

Out: 1123.886 $\pm$ 385.570 χ^2 /NDF:60.2/39

All: 2109.906 $\pm$ 276.565 χ^2 /NDF: 85.3/75

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1880.921+/-0.337 χ^2/NDF : 534355.3/20

Right Out: 1691.747+/-0.463 χ^2/NDF : 454922.1/18

Left In: 1875.404+/-0.346 χ^2/NDF : 133854.3/18

Left: 1878.234+/-0.241 χ^2/NDF : 668340.0/39

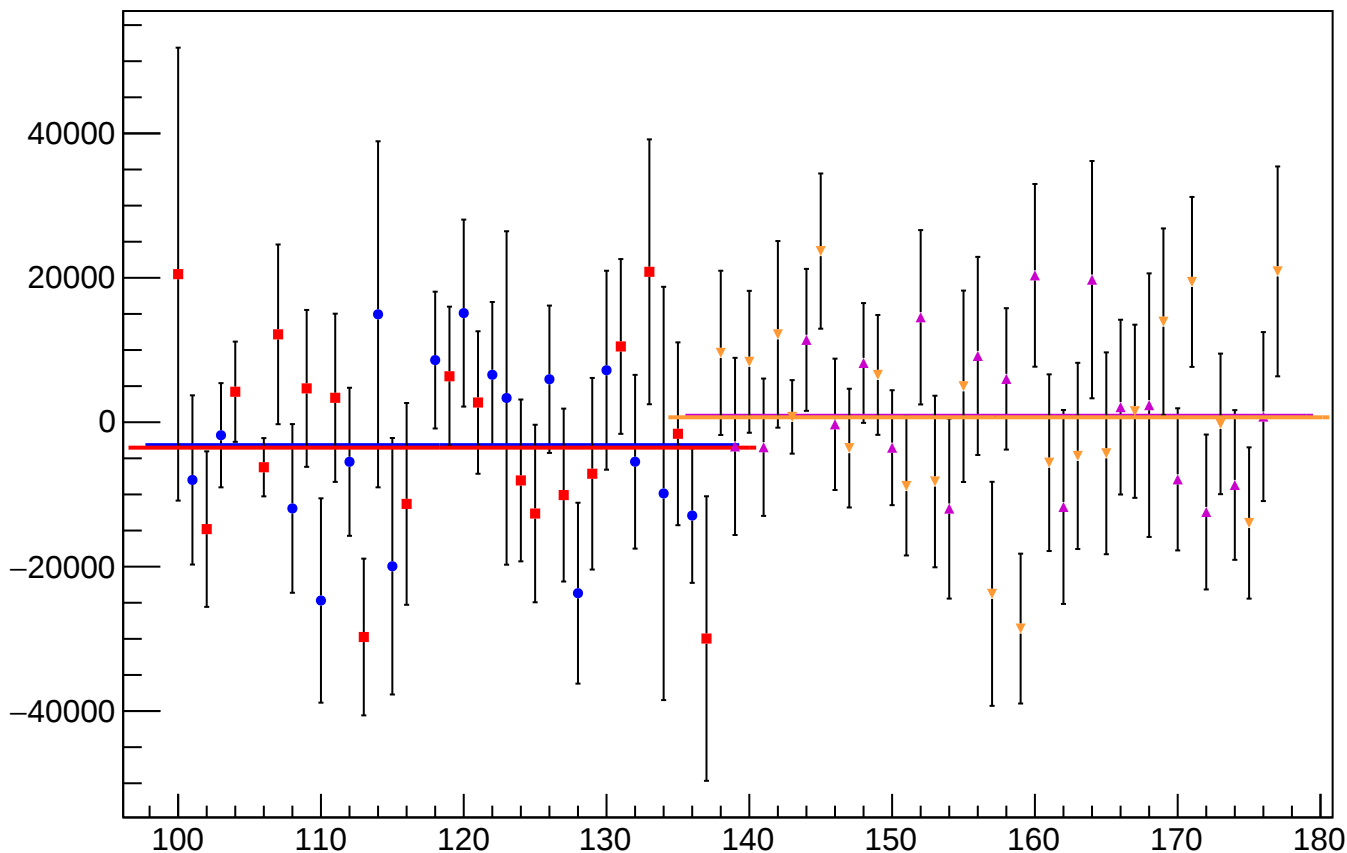
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1819.544+/-0.281 χ^2/NDF : 642485.9/35

Out: 1815.430+/-0.273 χ^2/NDF : 1098250.5/39

All: 1817.427+/-0.196 χ^2/NDF : 1740847.0/75

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245+/-2851.982 χ^2/NDF : 14.4/16

Left Out: 682.211+/-2235.891 χ^2/NDF : 27.5/20

Right Out: -3520.105+/-2266.532 χ^2/NDF : 19.5/18

Left In: 895.055+/-2496.411 χ^2/NDF : 13.3/18

Left: 776.951+/-1665.529 χ^2/NDF : 40.8/39

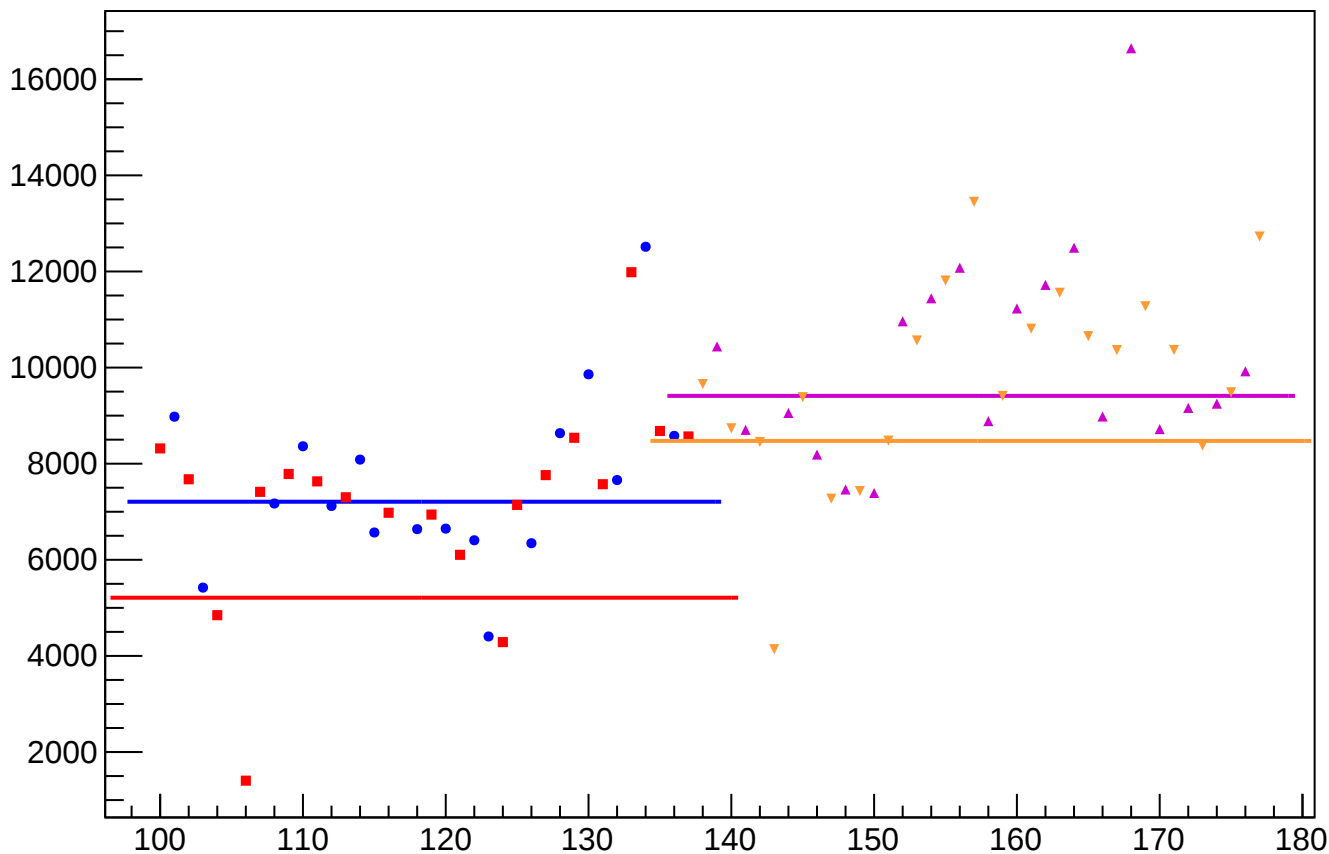
Right: -3385.836+/-1774.424 χ^2/NDF : 33.9/35

In: -869.817+/-1878.438 χ^2/NDF : 28.9/35

Out: -1390.350+/-1591.736 χ^2/NDF : 48.8/39

All: -1172.798+/-1214.380 χ^2/NDF : 77.7/75

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 8474.360 $\pm$ 1.581 χ^2 /NDF: 2593446.7/20

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

Left In: 9411.466 $\pm$ 1.765 χ^2 /NDF: 973352.7/18

Left: 8891.480 $\pm$ 1.178 χ^2 /NDF: 3723178.5/39

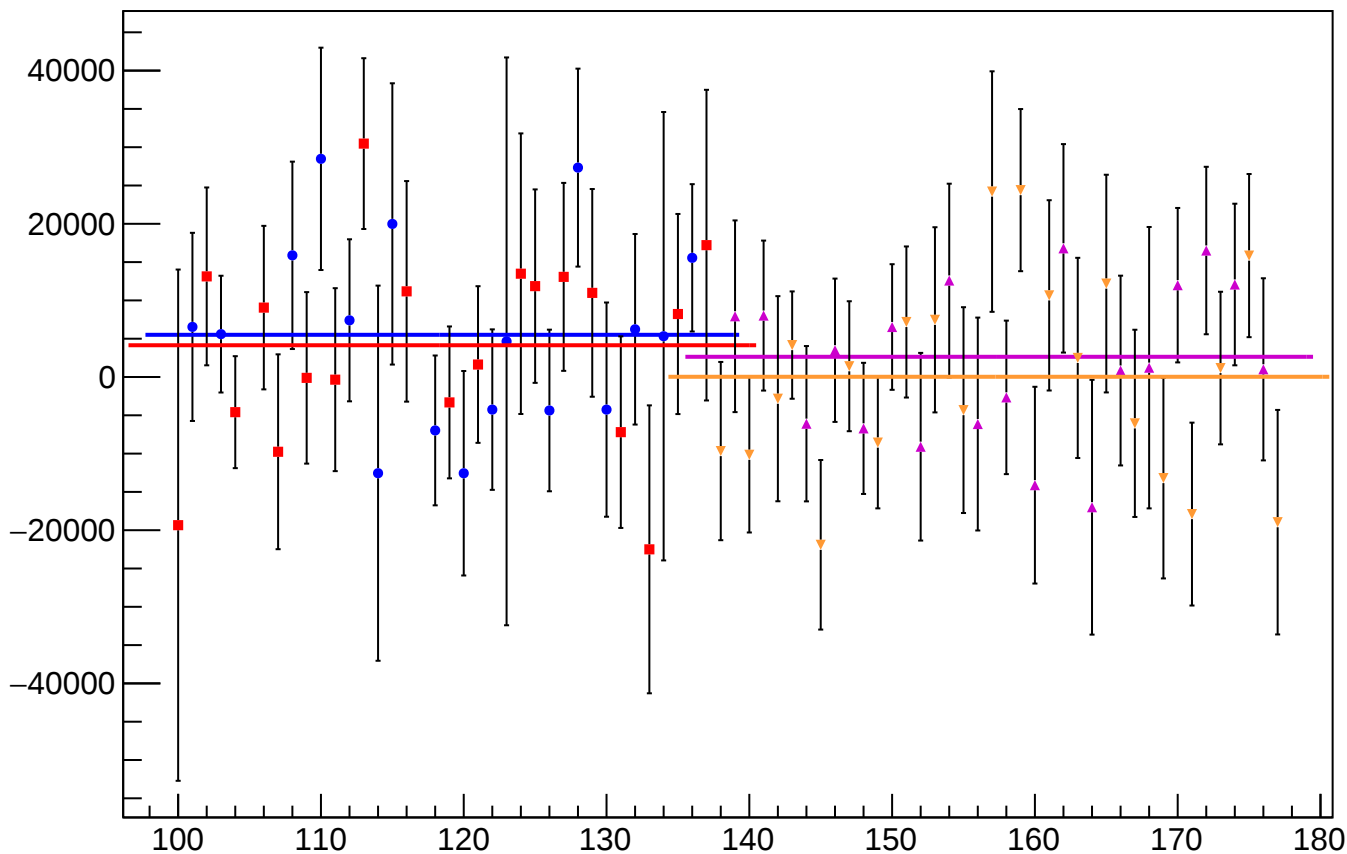
Right: 5984.369 $\pm$ 1.255 χ^2 /NDF: 4267414.1/35

In: 8455.825 $\pm$ 1.328 χ^2 /NDF: 2118250.9/35

Out: 6864.979 $\pm$ 1.126 χ^2 /NDF: 7891323.8/39

All: 7529.859 $\pm$ 0.859 χ^2 /NDF: 10844521.8/7

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: 29.806 $\pm$ 2392.534 χ^2 /NDF:24.7/20

Right Out: 4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

Left In: 2639.211 $\pm$ 2553.347 χ^2 /NDF:12.4/18

Left: 1249.755 $\pm$ 1745.862 χ^2 /NDF: 37.6/39

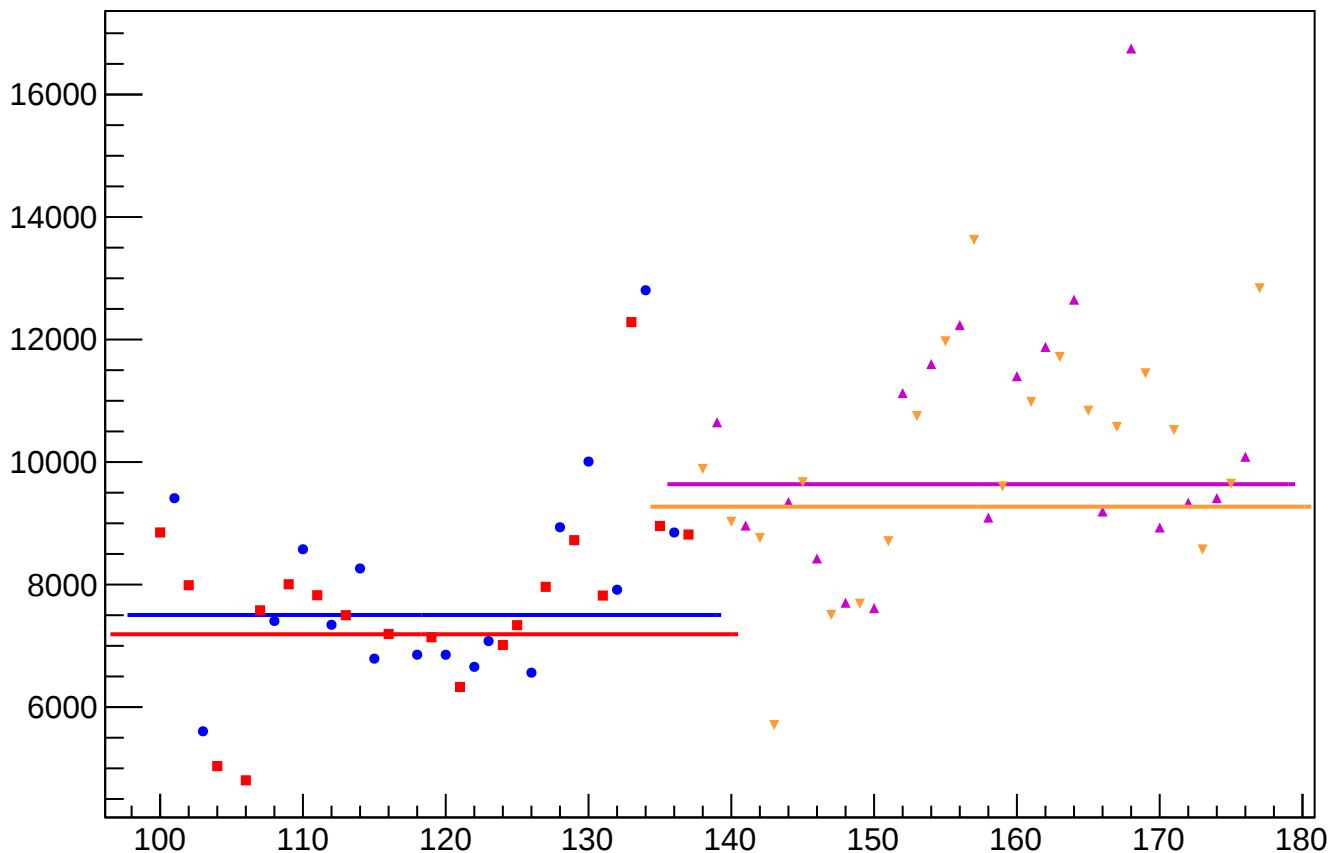
Right: 4784.984 $\pm$ 2033.900 χ^2 /NDF: 29.6/35

In: 3858.528 $\pm$ 1936.471 χ^2 /NDF:27.0/35

Out: 1773.940 $\pm$ 1816.250 χ^2 /NDF:41.3/39

All: 2749.521 $\pm$ 1324.746 χ^2 /NDF: 68.9/75

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 9271.416 $\pm$ 1.692 χ^2 /NDF:1320649.4/20

Right Out: 7189.231 $\pm$ 1.973 χ^2 /NDF: 557703.4/18

Left In: 9638.528 $\pm$ 1.805 χ^2 /NDF:910275.0/18

Left: 9443.048 $\pm$ 1.235 χ^2 /NDF: 2252939.0/39

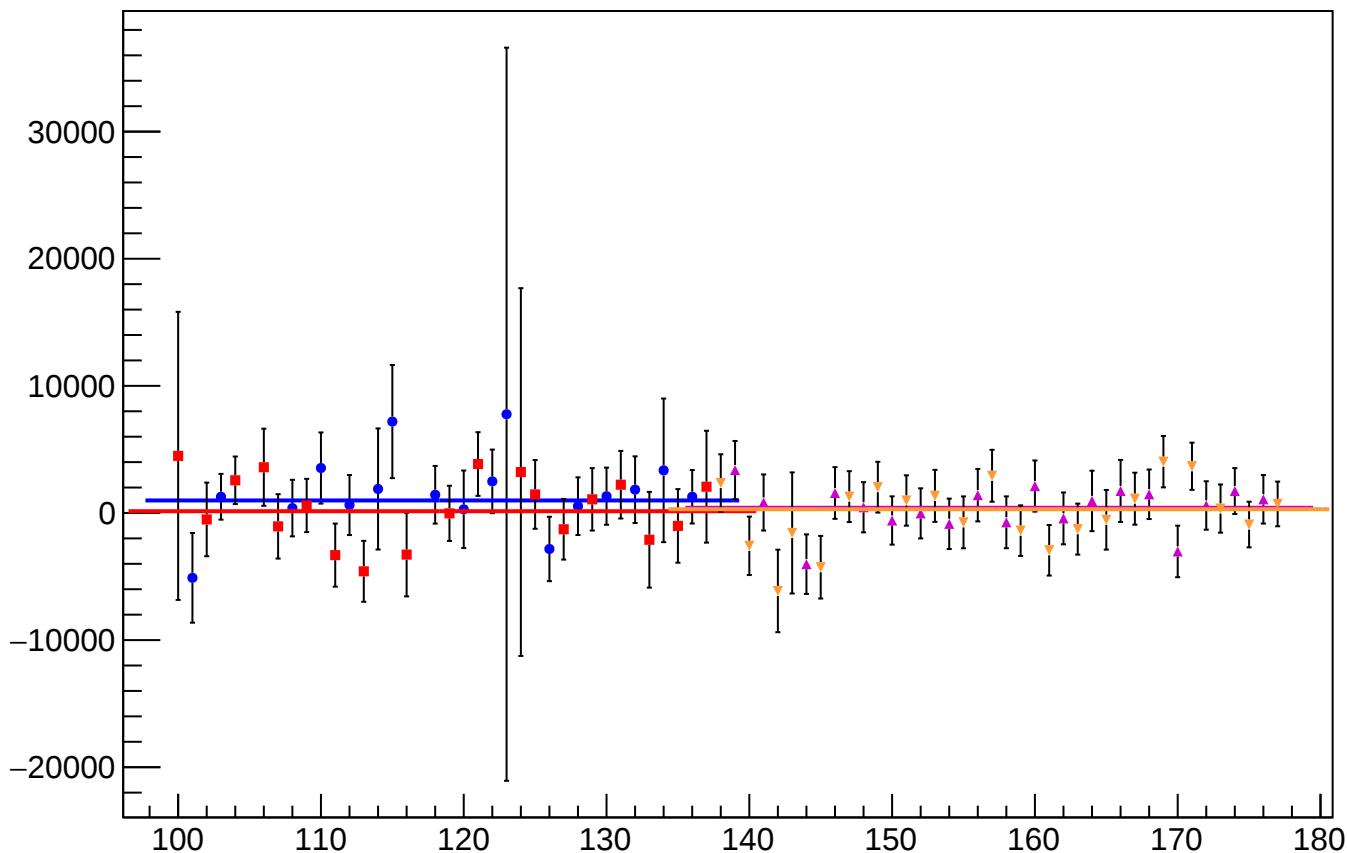
Right: 7336.574 $\pm$ 1.438 χ^2 /NDF: 996921.9/35

In: 8731.565 $\pm$ 1.369 χ^2 /NDF:1931564.9/35

Out: 8389.026 $\pm$ 1.284 χ^2 /NDF:2520291.3/39

All: 8549.326 $\pm$ 0.937 χ^2 /NDF: 4485150.4/75

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452 $\pm$ 644.630 χ^2/NDF : 9.1/16

Left Out: 293.562 $\pm$ 457.139 χ^2/NDF : 24.7/20

Right Out: 138.627 $\pm$ 623.555 χ^2/NDF : 14.7/18

Left In: 408.866 $\pm$ 469.438 χ^2/NDF : 12.0/18

Left: 349.684 $\pm$ 327.508 χ^2/NDF : 36.7/39

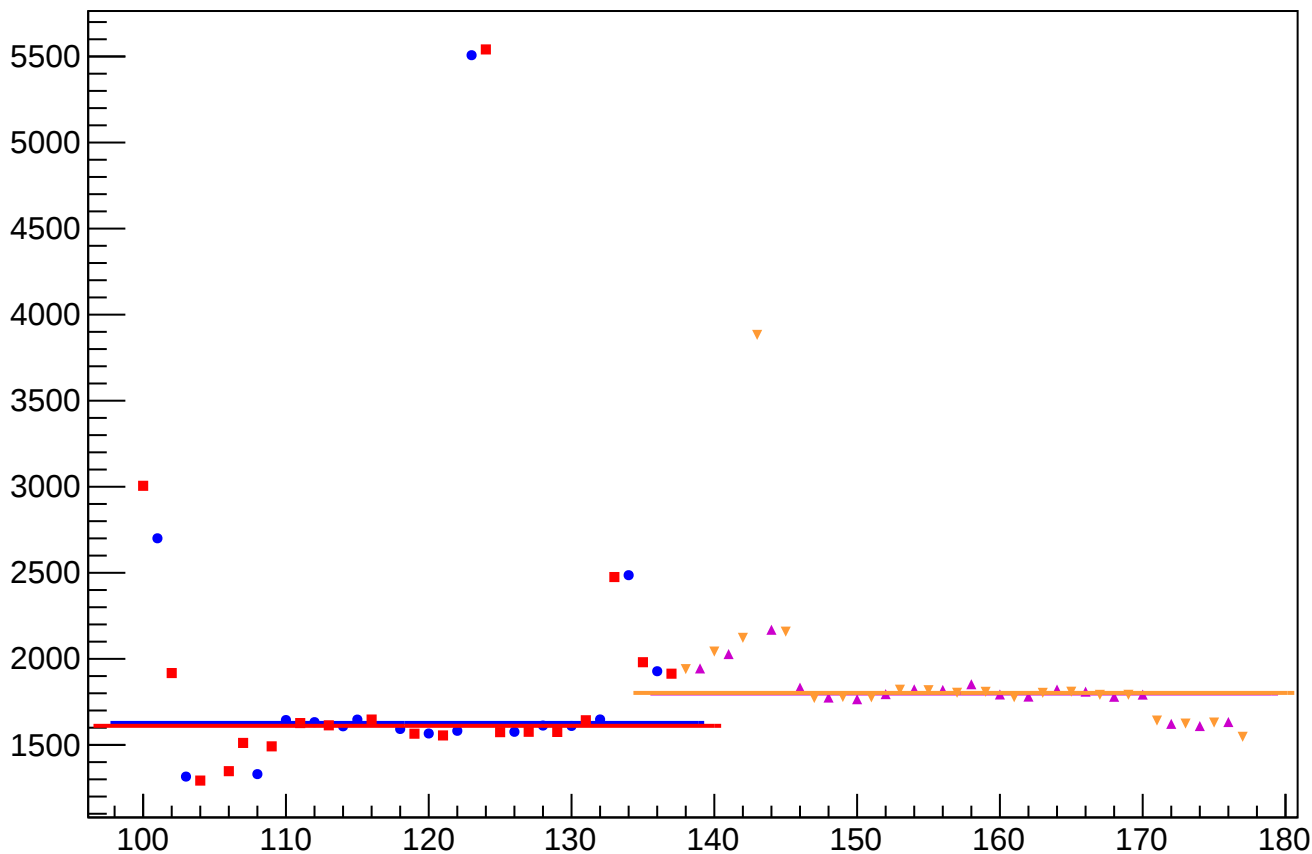
Right: 547.971 $\pm$ 448.185 χ^2/NDF : 24.6/35

In: 608.676 $\pm$ 379.479 χ^2/NDF : 21.6/35

Out: 239.400 $\pm$ 368.677 χ^2/NDF : 39.4/39

All: 418.708 $\pm$ 264.430 χ^2/NDF : 61.5/75

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836+/-0.456 χ^2/NDF : 407106.6/16

Left Out: 1802.201+/-0.323 χ^2/NDF : 566806.6/20

Right Out: 1610.948+/-0.441 χ^2/NDF : 433960.8/18

Left In: 1798.821+/-0.332 χ^2/NDF : 137858.8/18

Left: 1800.556+/-0.232 χ^2/NDF : 704718.6/39

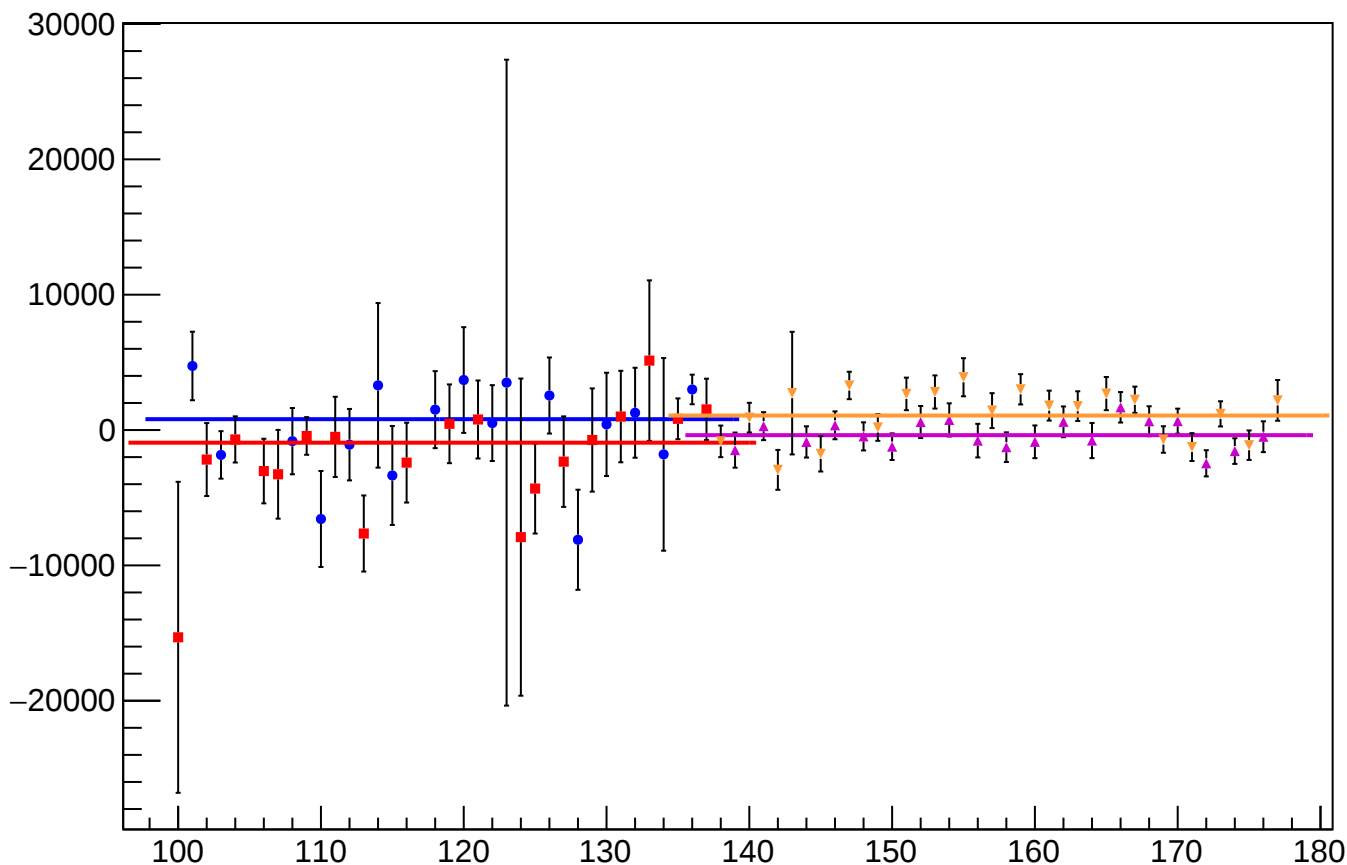
Right: 1619.112+/-0.317 χ^2/NDF : 841776.5/35

In: 1739.568+/-0.268 χ^2/NDF : 636913.4/35

Out: 1735.343+/-0.261 χ^2/NDF : 1123142.3/39

All: 1737.394+/-0.187 χ^2/NDF : 1760183.2/75

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 ± 631.676 χ^2/NDF : 22.4/16

Left Out: 1072.347 ± 252.188 χ^2/NDF : 48.5/20

Right Out: -933.645 ± 589.727 χ^2/NDF : 15.3/18

Left In: -378.008 ± 251.462 χ^2/NDF : 17.5/18

Left: 345.082 ± 178.067 χ^2/NDF : 82.5/39

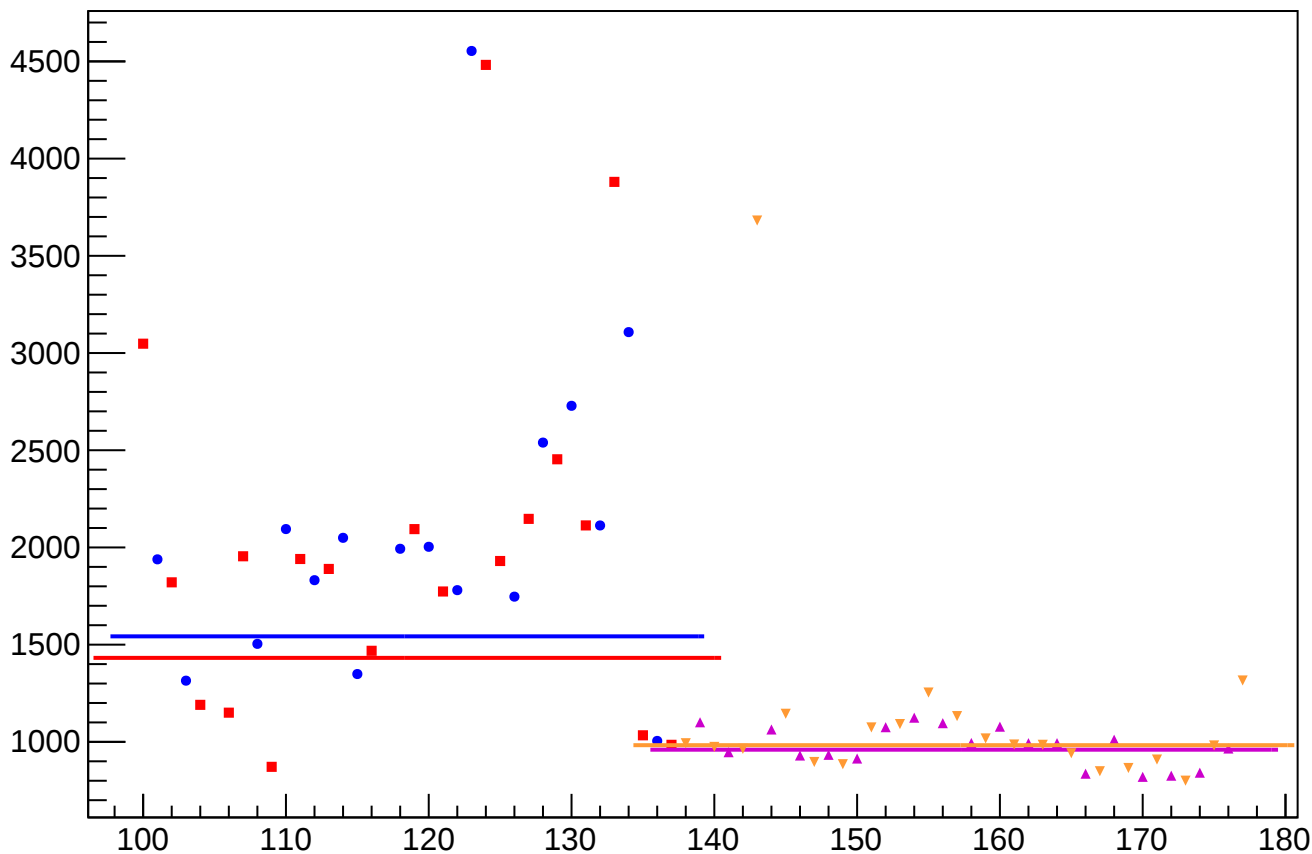
Right: -124.875 ± 431.067 χ^2/NDF : 41.7/35

In: -216.445 ± 233.631 χ^2/NDF : 42.9/35

Out: 762.222 ± 231.875 χ^2/NDF : 73.5/39

All: 276.579 ± 164.578 χ^2/NDF : 125.3/75

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 $\pm$ 0.447 χ^2/NDF : 1287946.3/16

Left Out: 982.931 $\pm$ 0.178 χ^2/NDF : 1159560.4/20

Right Out: 1432.013 $\pm$ 0.417 χ^2/NDF : 1823809.4/18

Left In: 959.684 $\pm$ 0.178 χ^2/NDF : 294120.4/18

Left: 971.274 $\pm$ 0.126 χ^2/NDF : 1462202.4/39

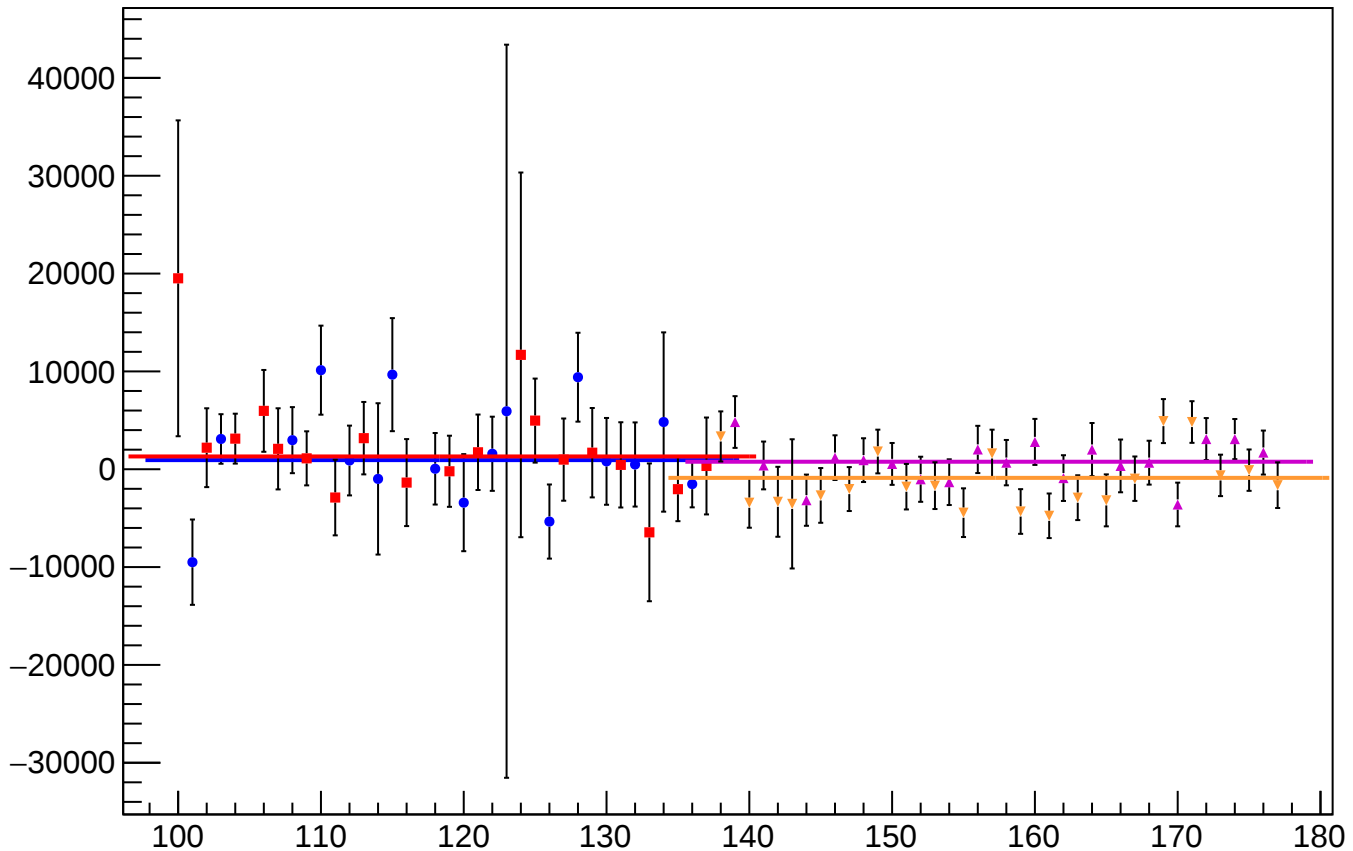
Right: 1483.562 $\pm$ 0.305 χ^2/NDF : 3144570.0/35

In: 1039.439 $\pm$ 0.165 χ^2/NDF : 3052763.6/35

Out: 1052.359 $\pm$ 0.164 χ^2/NDF : 3963858.0/39

All: 1045.948 $\pm$ 0.116 χ^2/NDF : 7019702.9/75

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -881.207 ± 528.222 χ^2/NDF : 30.6/20

Right Out: 1307.802 ± 925.415 χ^2/NDF : 8.5/18

Left In: 767.495 ± 535.655 χ^2/NDF : 14.3/18

Left: -68.374 ± 376.110 χ^2/NDF : 49.7/39

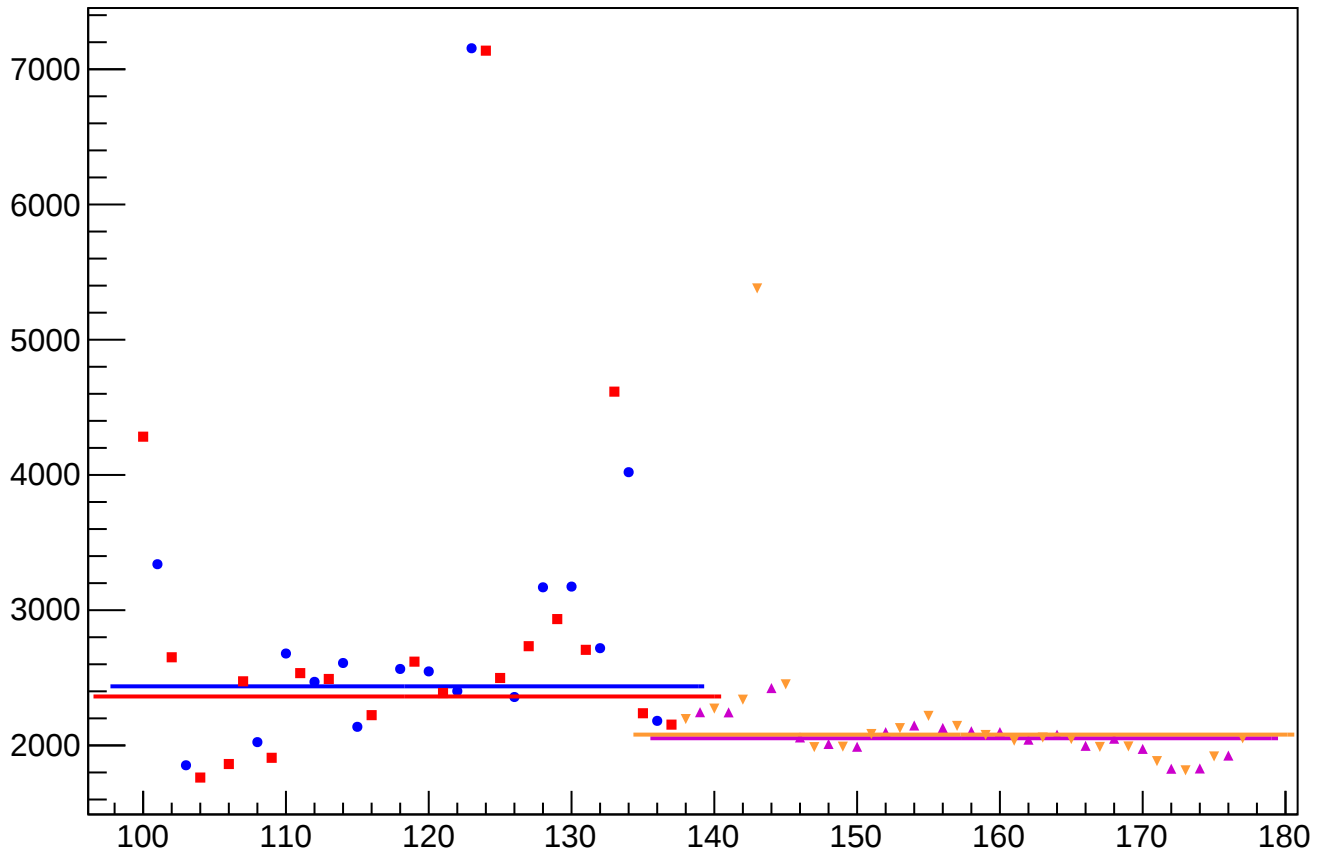
Right: 1128.728 ± 668.896 χ^2/NDF : 30.2/35

In: 806.255 ± 468.675 χ^2/NDF : 35.9/35

Out: -343.276 ± 458.750 χ^2/NDF : 43.3/39

All: 219.189 ± 327.838 χ^2/NDF : 82.3/75

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2079.924+/-0.374 χ^2/NDF : 643003.9/20

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

Left In: 2052.975+/-0.379 χ^2/NDF : 129233.4/18

Left: 2066.638+/-0.266 χ^2/NDF : 774803.8/39

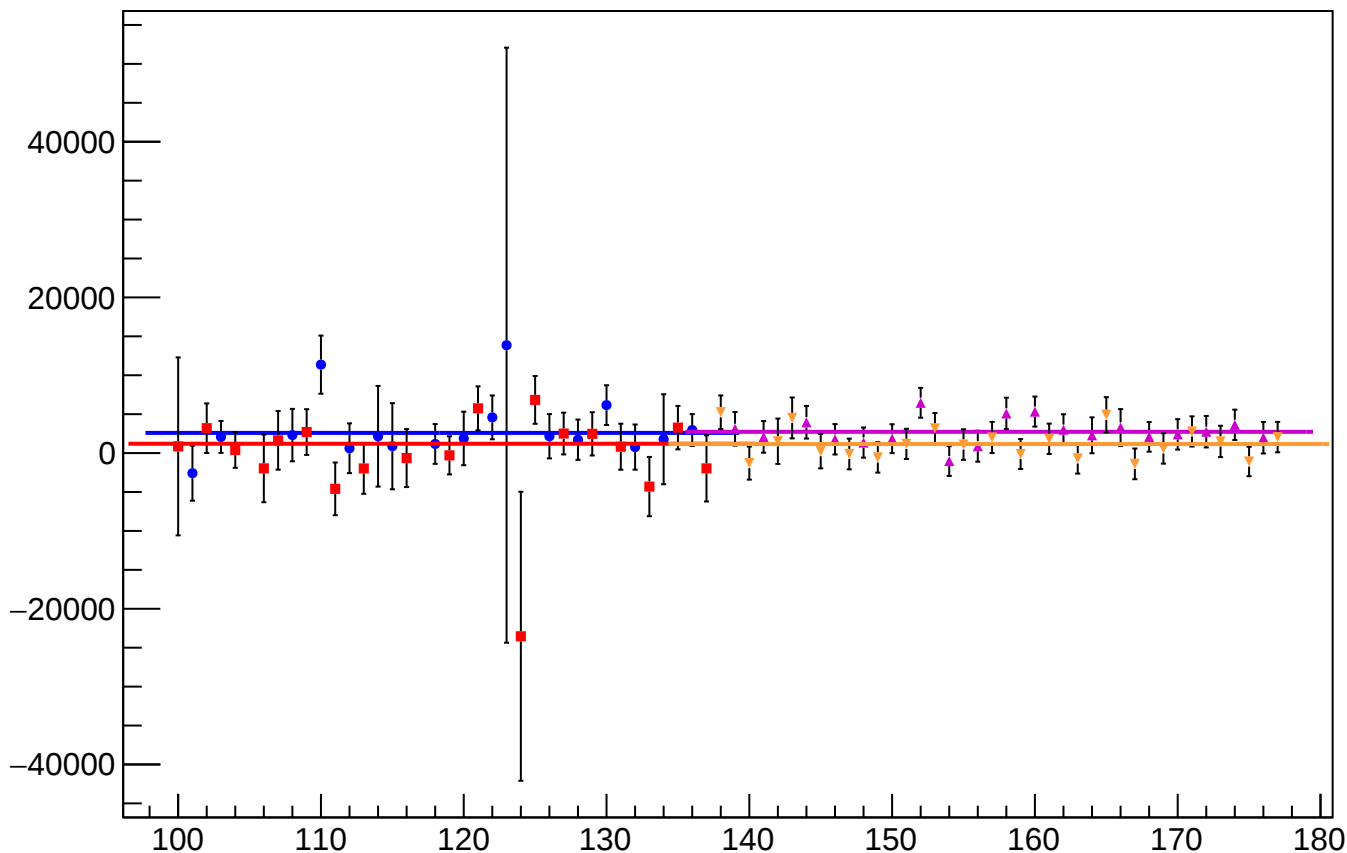
Right: 2397.684+/-0.473 χ^2/NDF : 1131146.9/35

In: 2142.975+/-0.331 χ^2/NDF : 839087.8/35

Out: 2149.213+/-0.324 χ^2/NDF : 1438888.1/39

All: 2146.161+/-0.232 χ^2/NDF : 2278156.8/75

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684+/-743.000 χ^2/NDF : 11.7/16

Left Out: 1163.181+/-446.287 χ^2/NDF : 17.5/20

Right Out: 1202.548+/-739.618 χ^2/NDF : 17.2/18

Left In: 2734.401+/-459.889 χ^2/NDF : 13.7/18

Left: 1925.211+/-320.273 χ^2/NDF : 37.2/39

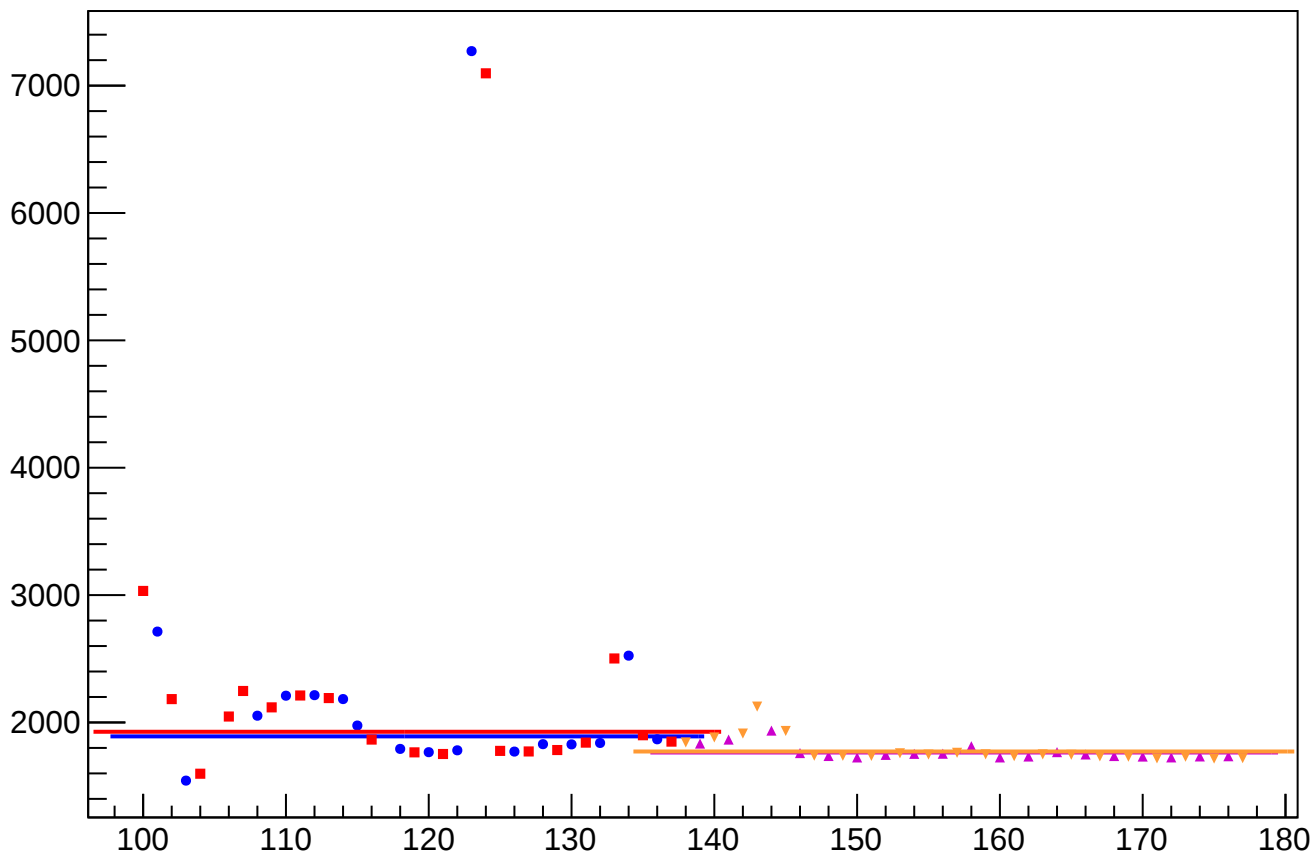
Right: 1895.439+/-524.180 χ^2/NDF : 30.7/35

In: 2695.700+/-391.043 χ^2/NDF : 25.4/35

Out: 1173.689+/-382.113 χ^2/NDF : 34.7/39

All: 1917.118+/-273.297 χ^2/NDF : 67.9/75

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1772.032+/-0.316 χ^2/NDF : 69950.5/20

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

Left In: 1764.106+/-0.325 χ^2/NDF : 27341.9/18

Left: 1768.188+/-0.226 χ^2/NDF : 97598.3/39

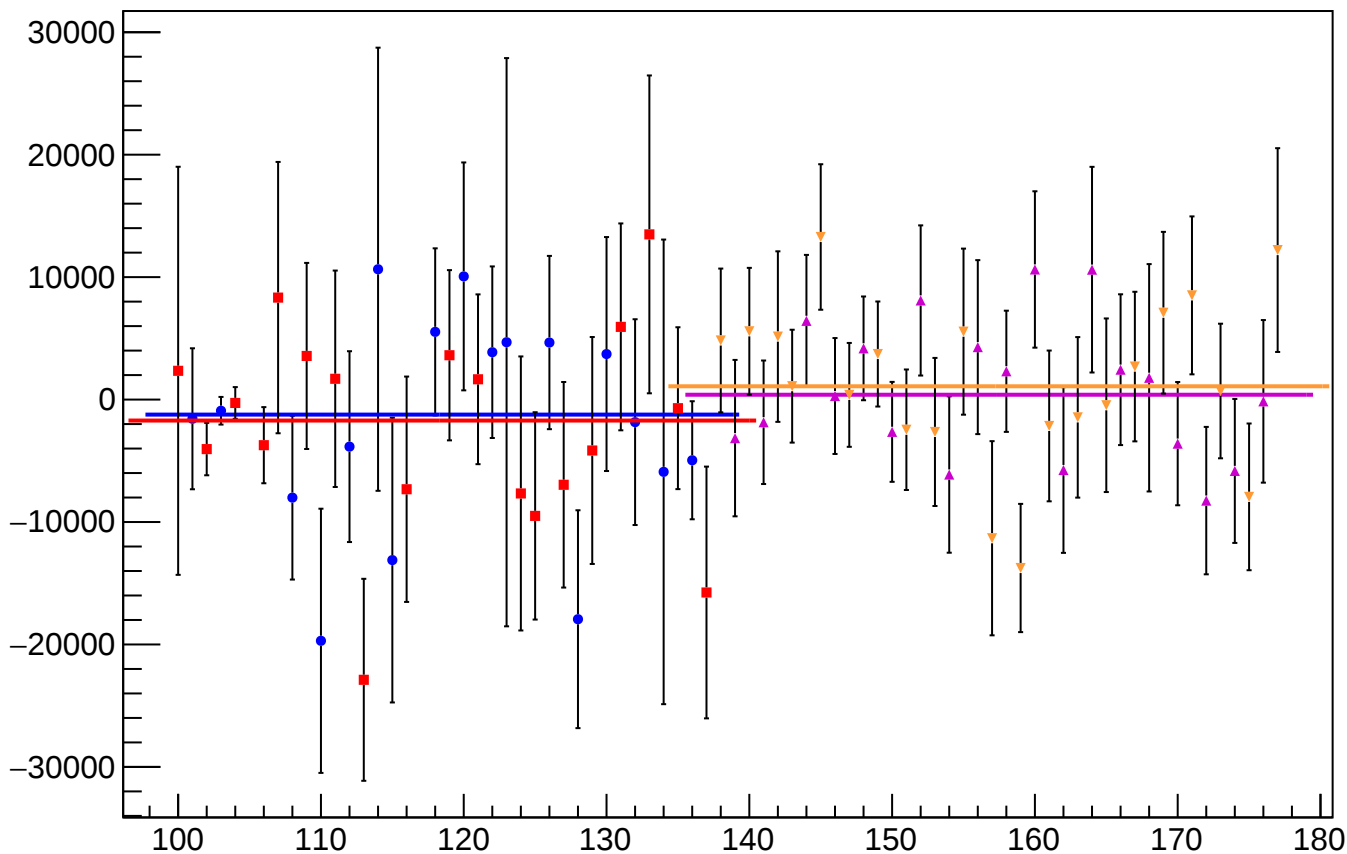
Right: 1908.946+/-0.370 χ^2/NDF : 653591.4/35

In: 1799.178+/-0.277 χ^2/NDF : 358278.6/35

Out: 1813.477+/-0.270 χ^2/NDF : 496677.0/39

All: 1806.495+/-0.193 χ^2/NDF : 856324.0/75

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 1085.256 $\pm$ 1256.187 χ^2 /NDF:24.7/20

Right Out: -1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

Left In: 395.308 $\pm$ 1304.461 χ^2 /NDF:15.0/18

Left: 753.284 $\pm$ 904.844 χ^2 /NDF: 39.8/39

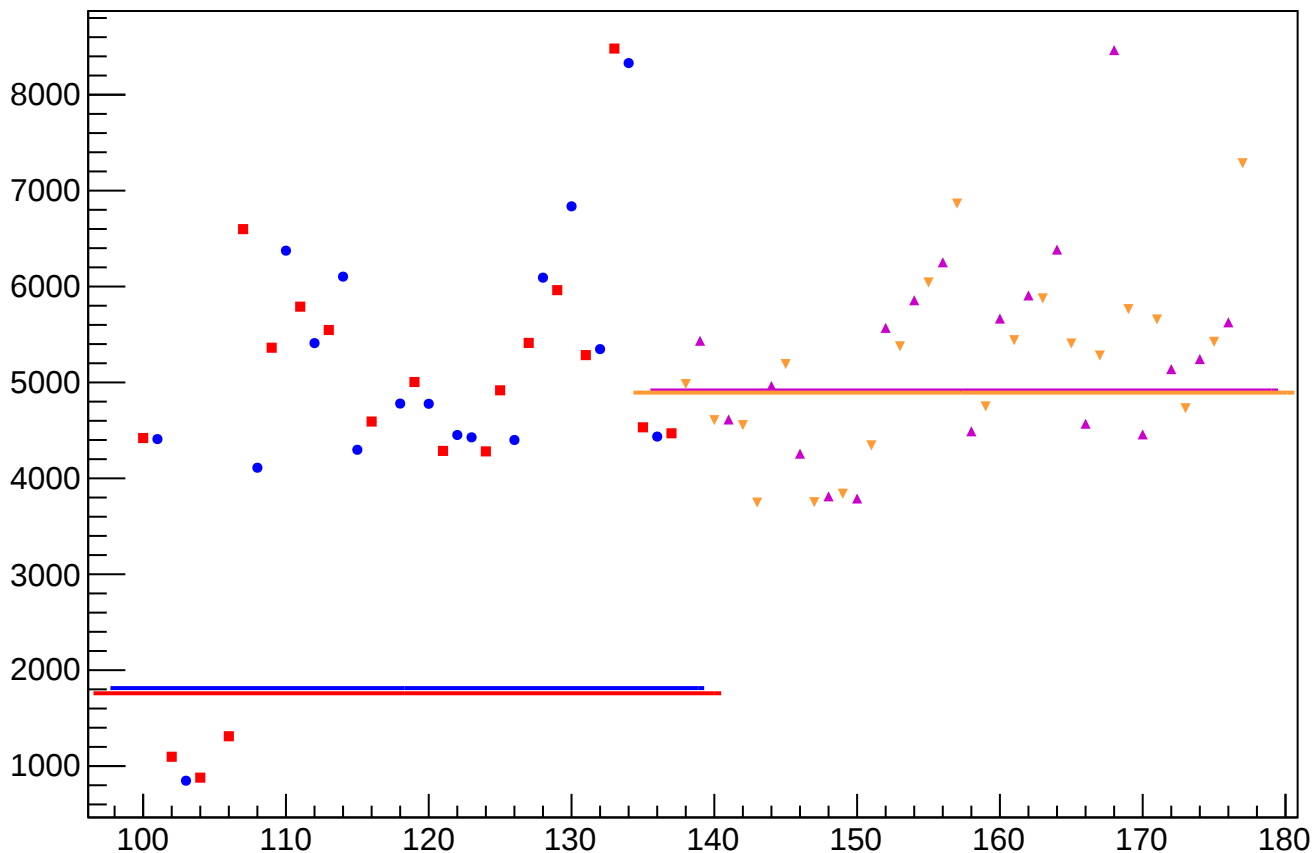
Right: -1480.155 $\pm$ 680.499 χ^2 /NDF: 31.8/35

In: -638.141 $\pm$ 785.869 χ^2 /NDF:29.8/35

Out: -705.592 $\pm$ 753.425 χ^2 /NDF:45.7/39

All: -673.288 $\pm$ 543.860 χ^2 /NDF: 75.5/75

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4894.115+/-0.888 χ^2/NDF : 950788.0/20

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

Left In: 4916.450+/-0.922 χ^2/NDF : 977717.3/18

Left: 4904.862+/-0.640 χ^2/NDF : 1928809.5/39

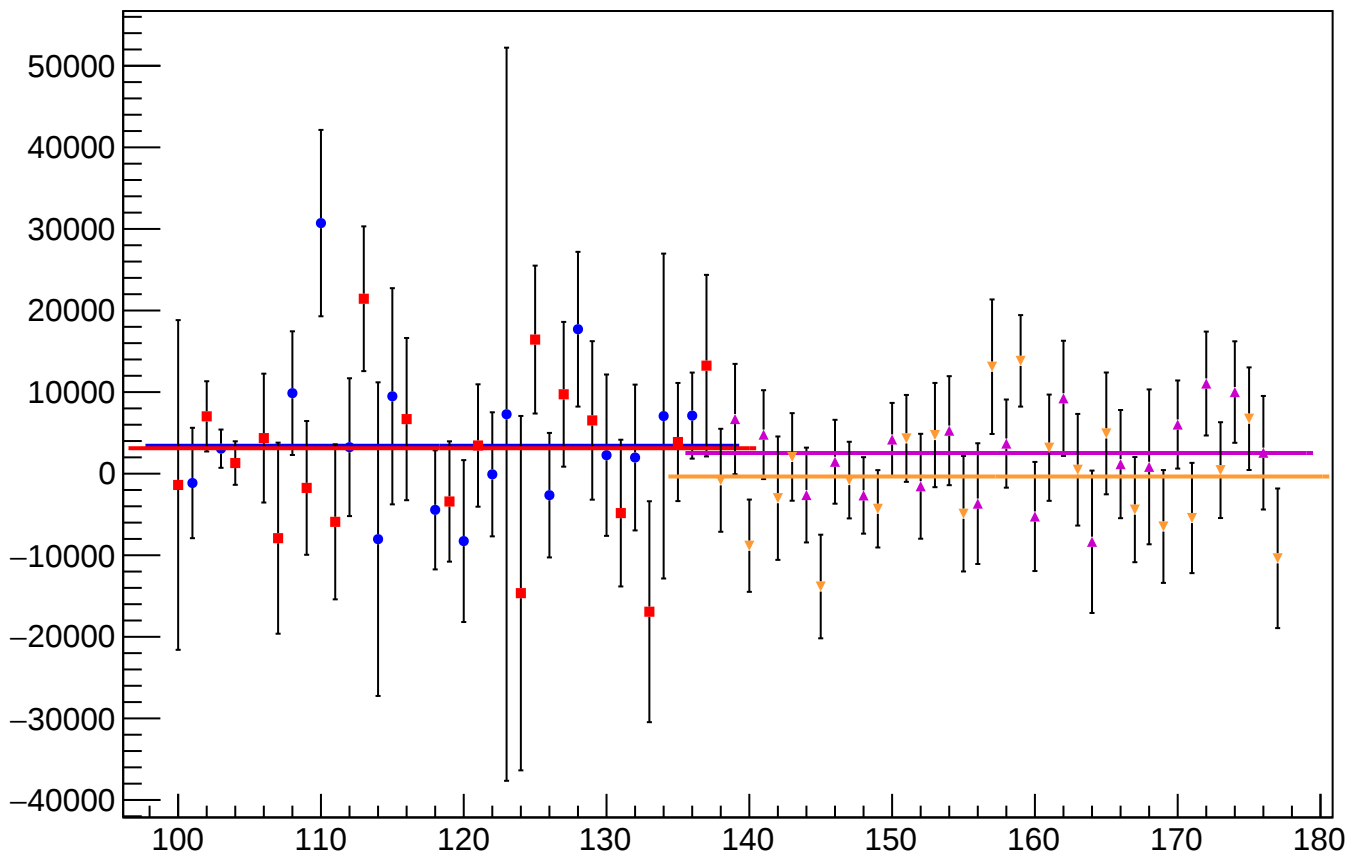
Right: 1784.958+/-0.481 χ^2/NDF : 12765256.3/35

In: 2939.499+/-0.556 χ^2/NDF : 14637513.2/35

Out: 2886.869+/-0.533 χ^2/NDF : 15239332.1/39

All: 2912.075+/-0.385 χ^2/NDF : 29881519.5/79

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -347.464+/-1352.097 χ^2/NDF :23.9/20

Right Out: 3117.857+/-1605.930 χ^2/NDF : 16.0/18

Left In: 2532.640+/-1397.372 χ^2/NDF :11.6/18

Left: 1045.174+/-971.689 χ^2/NDF : 37.7/39

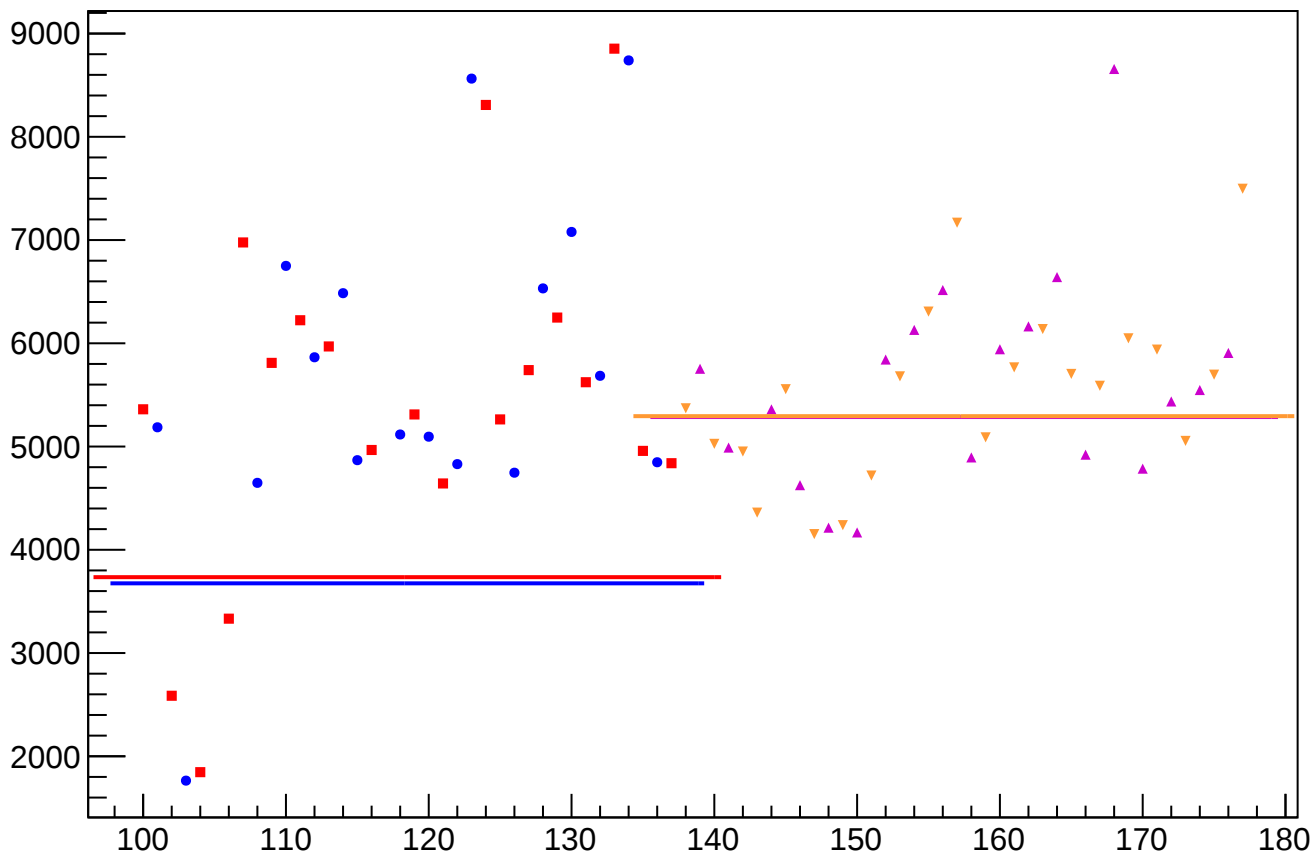
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2915.337+/-1054.380 χ^2/NDF :25.5/35

Out: 1090.005+/-1034.318 χ^2/NDF :42.6/39

All: 1985.140+/-738.364 χ^2/NDF : 69.6/75

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5294.273+/-0.956 χ^2/NDF : 704934.0/20

Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

Left In: 5285.797+/-0.988 χ^2/NDF : 784537.7/18

Left: 5290.175+/-0.687 χ^2/NDF : 1489509.7/39

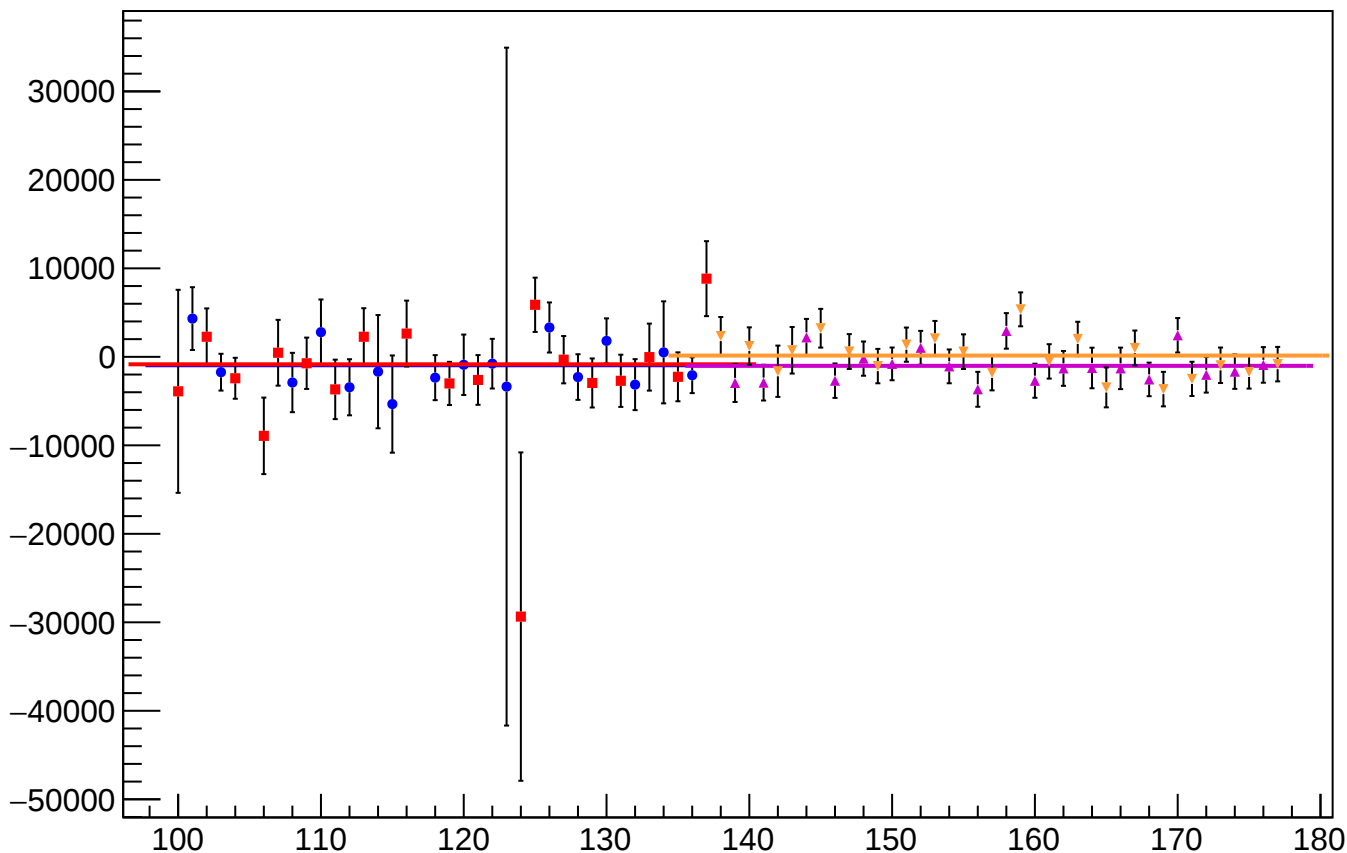
Right: 3705.112+/-0.800 χ^2/NDF : 5470409.5/35

In: 4592.089+/-0.746 χ^2/NDF : 4704140.8/35

Out: 4642.328+/-0.729 χ^2/NDF : 4511118.9/39

All: 4617.760+/-0.521 χ^2/NDF : 9217579.8/75

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 144.492 ± 444.601 χ^2/NDF : 24.9/20

Right Out: -843.515 ± 737.527 χ^2/NDF : 22.5/18

Left In: -1017.322 ± 458.006 χ^2/NDF : 16.8/18

Left: -419.163 ± 319.014 χ^2/NDF : 45.0/39

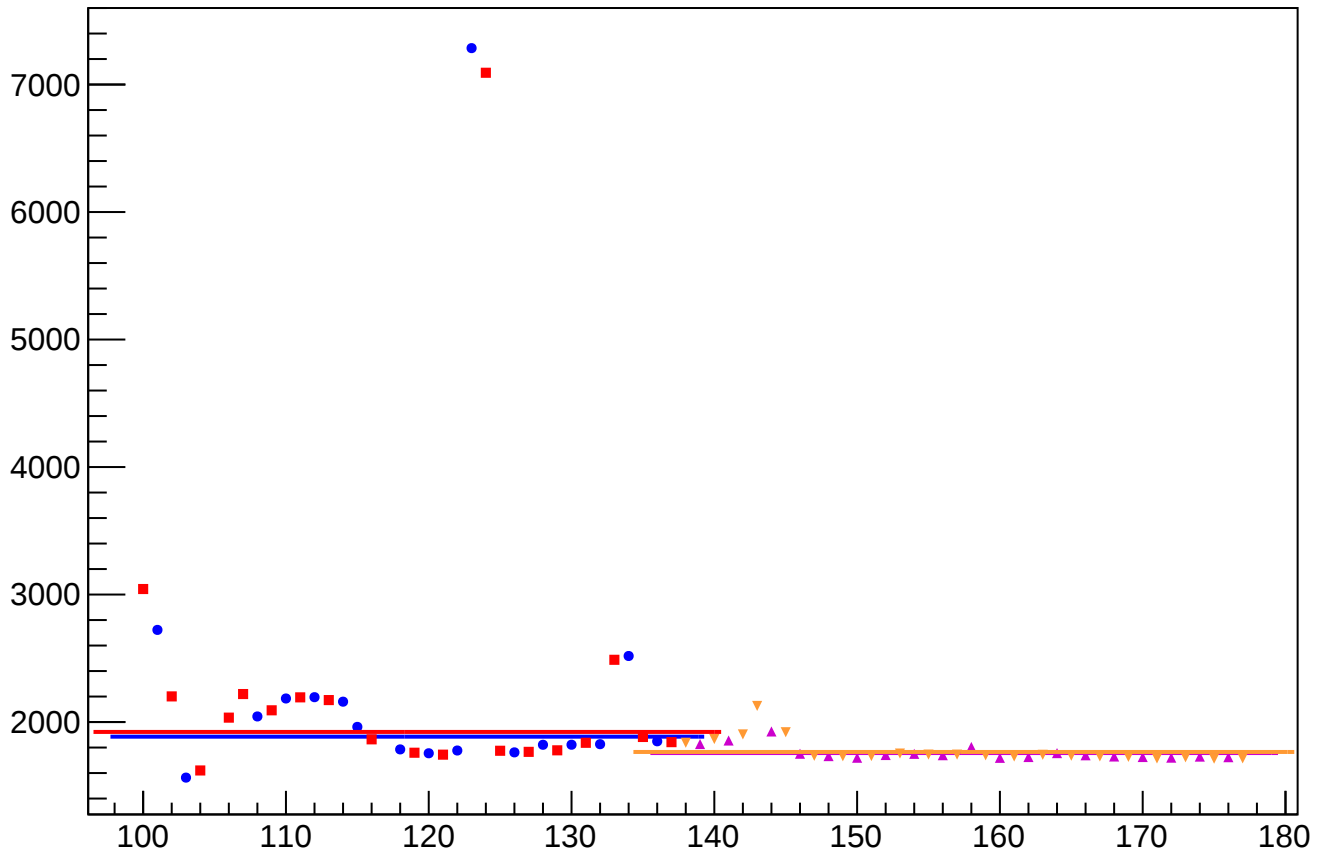
Right: -897.217 ± 522.617 χ^2/NDF : 32.5/35

In: -999.081 ± 389.545 χ^2/NDF : 26.8/35

Out: -118.850 ± 380.766 χ^2/NDF : 48.8/39

All: -548.935 ± 272.293 χ^2/NDF : 78.1/75

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1765.392+/-0.314 χ^2/NDF : 69508.9/20

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

Left In: 1756.912+/-0.324 χ^2/NDF : 26517.7/18

Left: 1761.278+/-0.226 χ^2/NDF : 96379.6/39

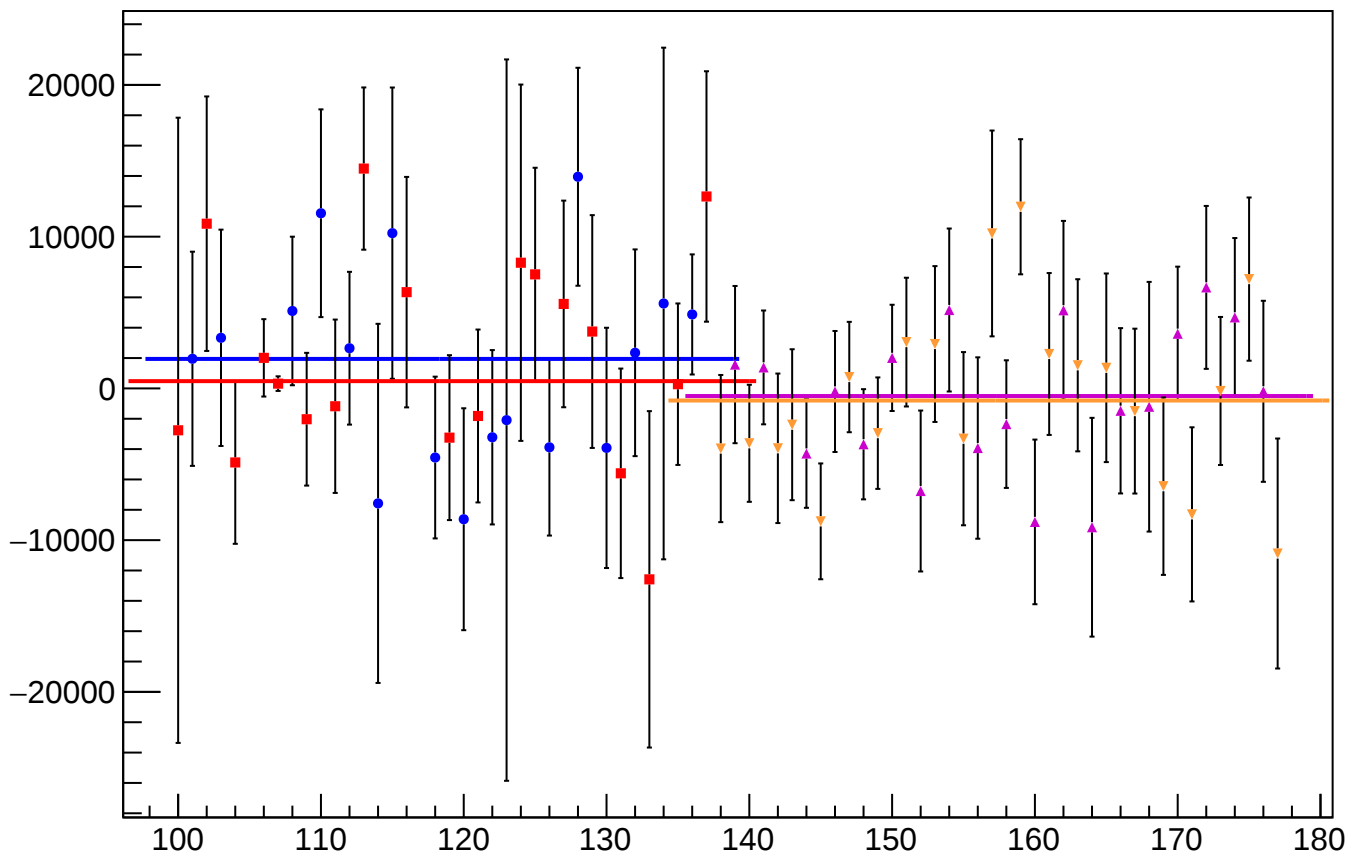
Right: 1904.057+/-0.369 χ^2/NDF : 634475.3/35

In: 1792.442+/-0.275 χ^2/NDF : 350458.7/35

Out: 1807.374+/-0.269 χ^2/NDF : 487771.4/39

All: 1800.081+/-0.192 χ^2/NDF : 839733.4/75

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -797.632+/-1062.545 χ^2/NDF : 26.0/20

Right Out: 478.828+/-453.684 χ^2/NDF : 18.1/18

Left In: -502.311+/-1089.364 χ^2/NDF : 14.2/18

Left: -653.652+/-760.638 χ^2/NDF : 40.3/39

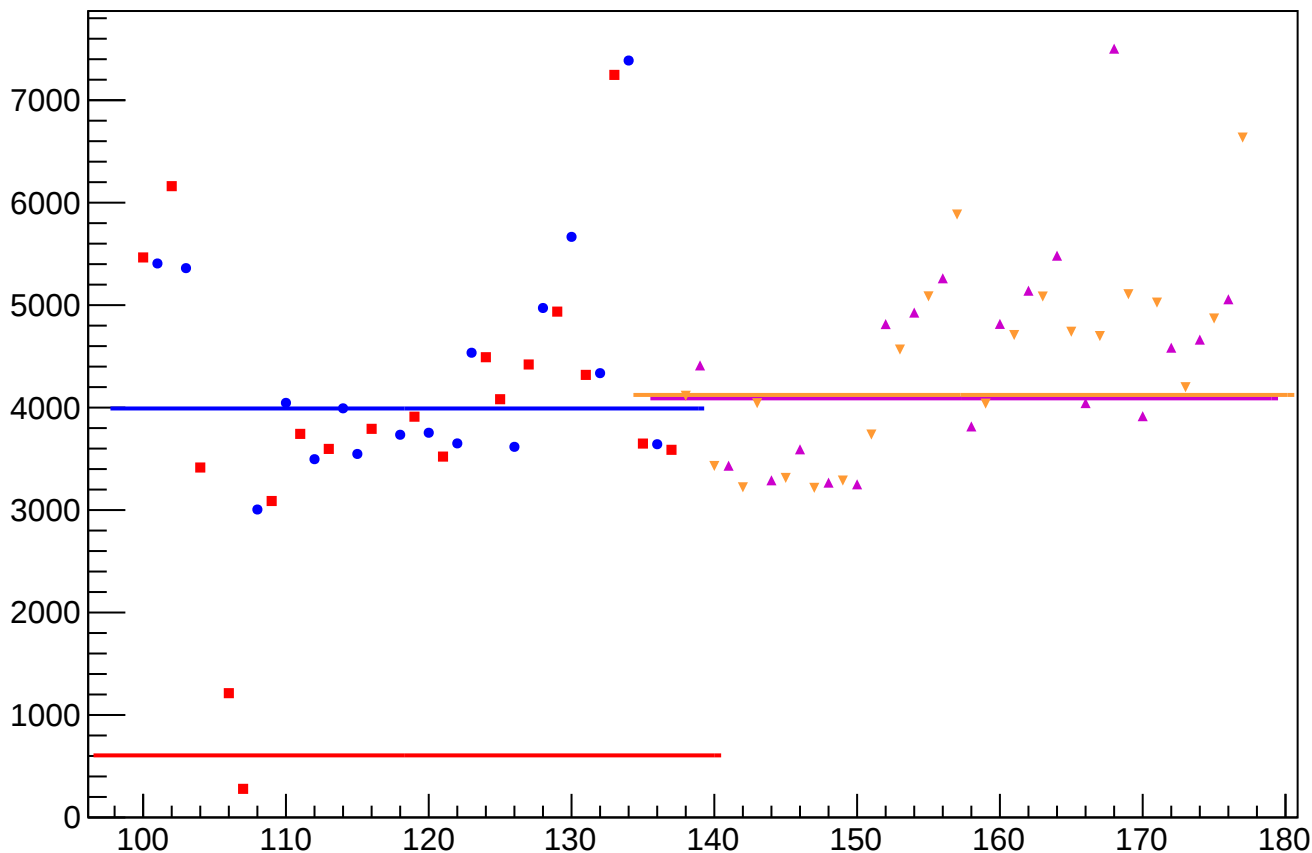
Right: 590.230+/-436.086 χ^2/NDF : 32.0/35

In: 284.919+/-897.049 χ^2/NDF : 29.0/35

Out: 282.000+/-417.242 χ^2/NDF : 45.3/39

All: 282.519+/-378.321 χ^2/NDF : 74.3/75

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 4123.591+/-0.751 χ^2/NDF : 1161752.8/20

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

Left In: 4090.076+/-0.770 χ^2/NDF : 1204062.1/18

Left: 4107.251+/-0.538 χ^2/NDF : 2366784.9/39

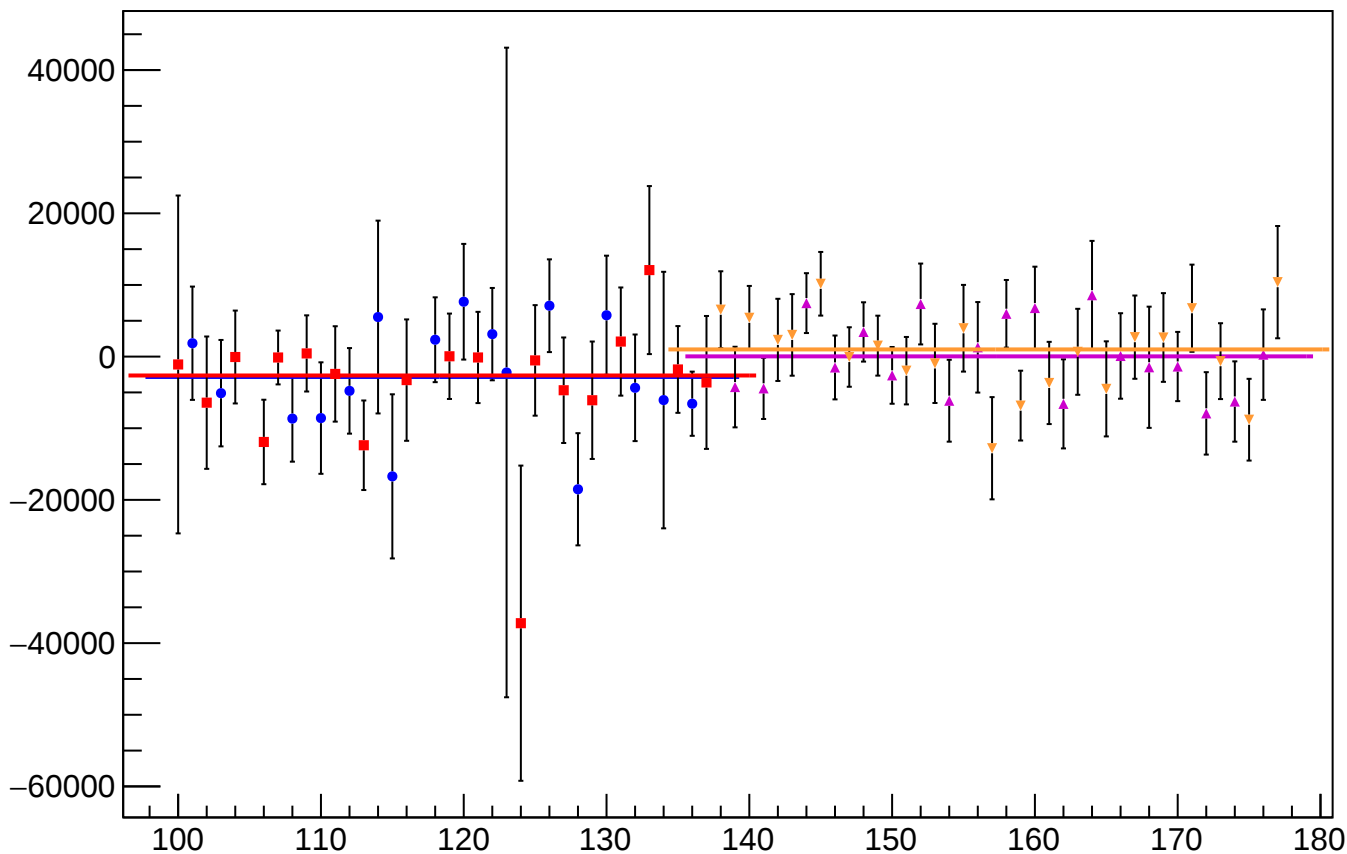
Right: 863.300+/-0.308 χ^2/NDF : 19230863.1/35

In: 4058.316+/-0.634 χ^2/NDF : 1720125.6/35

Out: 1148.181+/-0.295 χ^2/NDF : 29950494.7/39

All: 1665.788+/-0.268 χ^2/NDF : 48975459.6/77

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599+/-1786.019 χ^2/NDF : 15.4/16

Left Out: 1002.049+/-1174.090 χ^2/NDF : 20.6/20

Right Out: -2637.071+/-1575.105 χ^2/NDF : 11.2/18

Left In: 32.390+/-1201.022 χ^2/NDF : 17.6/18

Left: 528.213+/-839.567 χ^2/NDF : 38.5/39

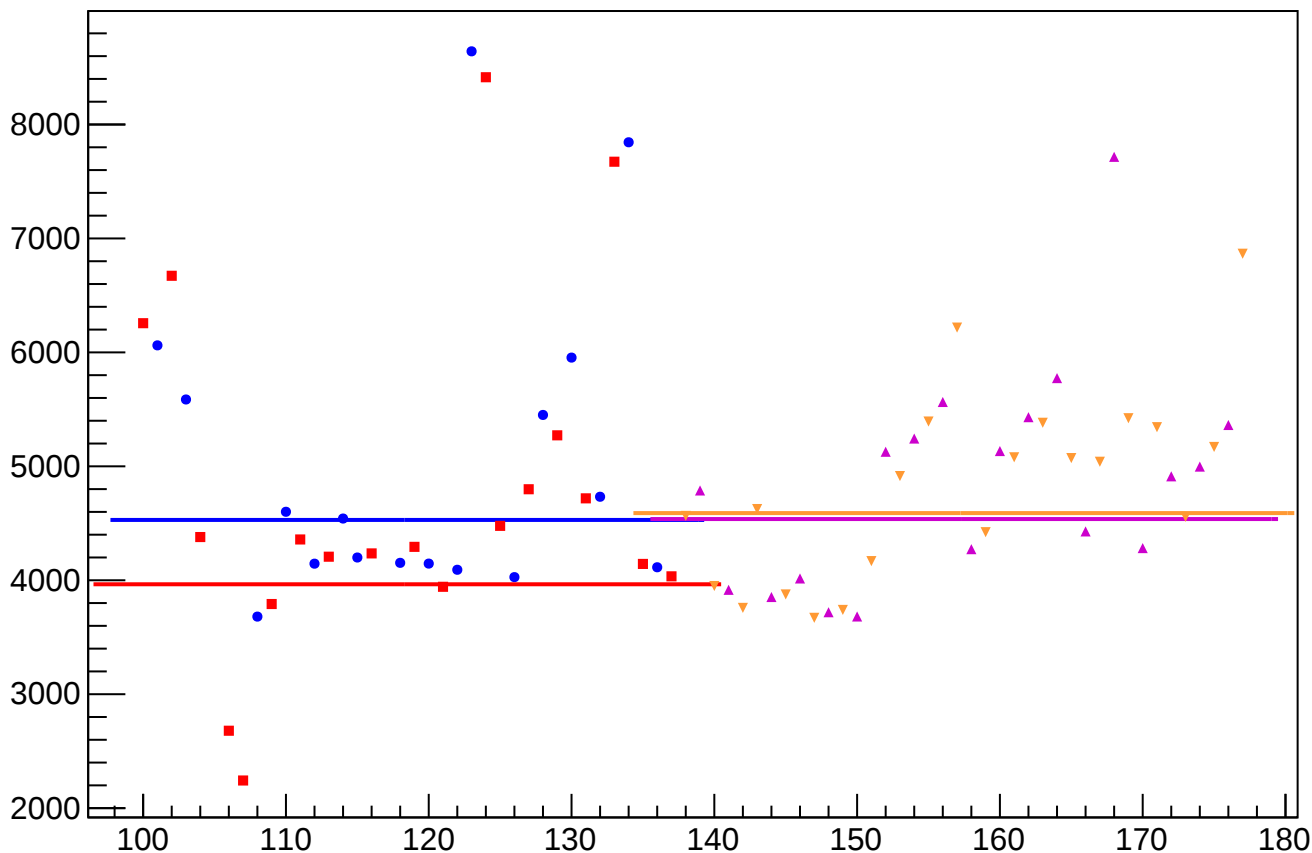
Right: -2725.676+/-1181.334 χ^2/NDF : 26.6/35

In: -861.917+/-996.639 χ^2/NDF : 34.8/35

Out: -297.746+/-941.345 χ^2/NDF : 35.2/39

All: -563.747+/-684.345 χ^2/NDF : 70.2/75

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4589.558 $\pm$ 0.830 χ^2 /NDF: 808902.1/20

Right Out: 3964.829 $\pm$ 1.107 χ^2 /NDF: 1140409.6/18

Left In: 4537.268 $\pm$ 0.849 χ^2 /NDF: 870809.0/18

Left: 4564.006 $\pm$ 0.594 χ^2 /NDF: 1681649.6/39

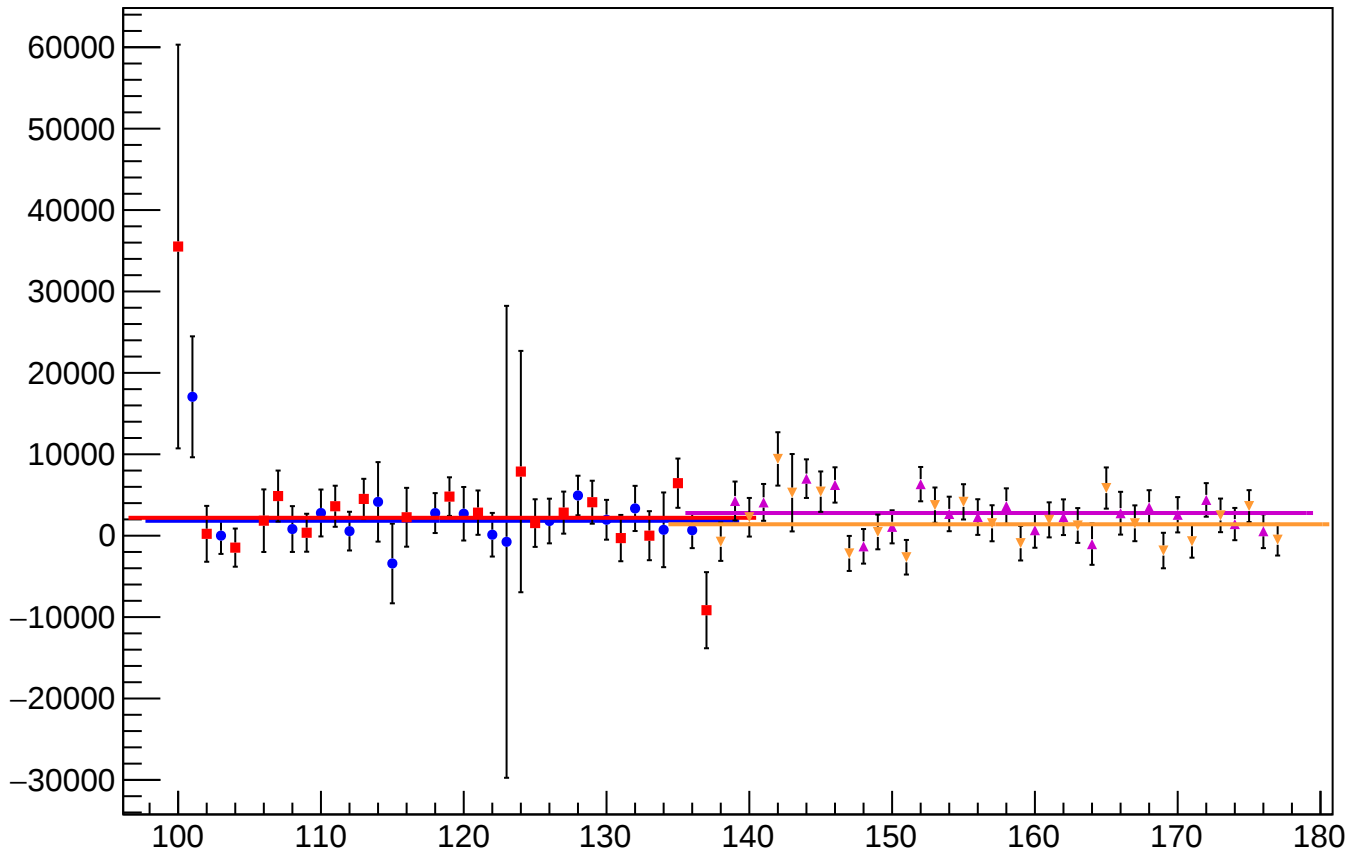
Right: 4210.073 $\pm$ 0.832 χ^2 /NDF: 1642804.6/35

In: 4534.837 $\pm$ 0.705 χ^2 /NDF: 1260161.5/35

Out: 4364.579 $\pm$ 0.664 χ^2 /NDF: 2153231.6/39

All: 4444.659 $\pm$ 0.483 χ^2 /NDF: 3444307.6/75

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 1402.944 $\pm$ 489.039 χ^2 /NDF:29.8/20

Right Out: 2198.063 $\pm$ 684.205 χ^2 /NDF: 18.3/18

Left In: 2785.900 $\pm$ 501.629 χ^2 /NDF:19.5/18

Left: 2076.848 $\pm$ 350.169 χ^2 /NDF: 53.2/39

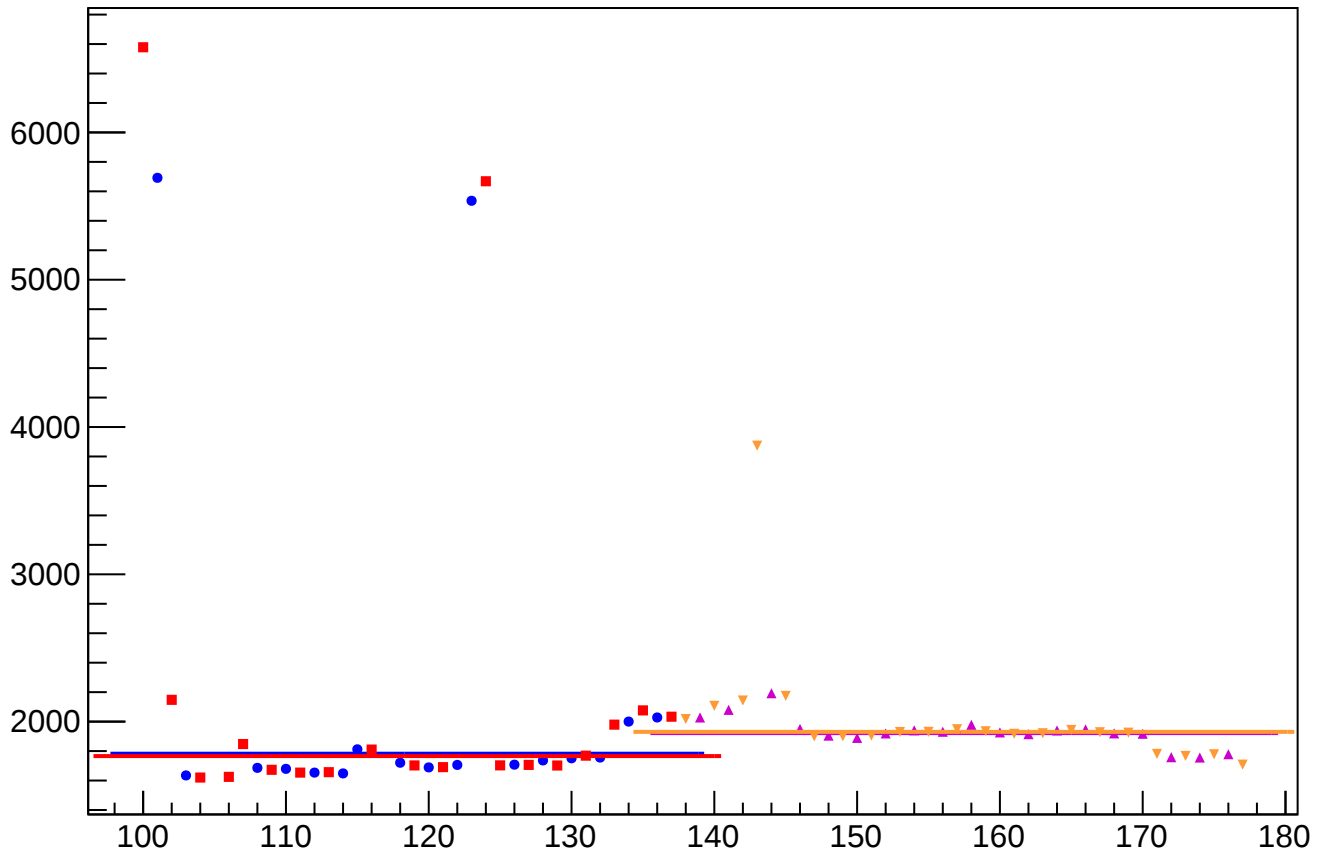
Right: 2021.233 $\pm$ 493.118 χ^2 /NDF: 28.2/35

In: 2468.450 $\pm$ 409.948 χ^2 /NDF:30.4/35

Out: 1671.798 $\pm$ 397.859 χ^2 /NDF:49.0/39

All: 2058.205 $\pm$ 285.507 χ^2 /NDF: 81.3/75

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137 $\pm$ 0.503 χ^2 /NDF: 645188.8/16

Left Out: 1930.484 $\pm$ 0.346 χ^2 /NDF: 439058.9/20

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

Left In: 1922.067 $\pm$ 0.355 χ^2 /NDF: 78634.7/18

Left: 1926.382 $\pm$ 0.248 χ^2 /NDF: 517982.3/39

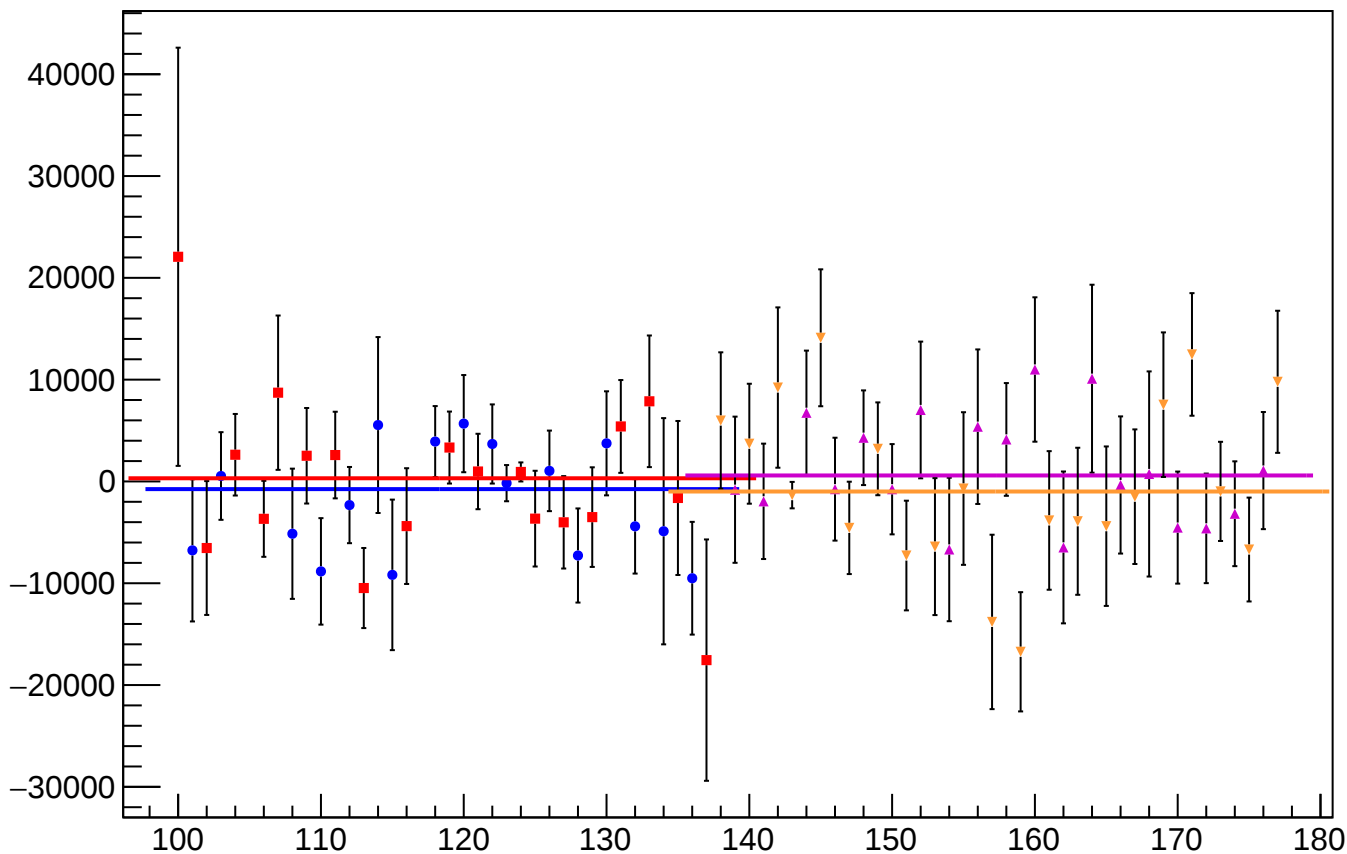
Right: 1773.682 $\pm$ 0.347 χ^2 /NDF: 952527.4/35

In: 1875.592 $\pm$ 0.290 χ^2 /NDF: 775512.2/35

Out: 1874.348 $\pm$ 0.281 χ^2 /NDF: 823087.7/39

All: 1874.950 $\pm$ 0.202 χ^2 /NDF: 1598609.4/75

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -988.452+/-943.122 χ^2/NDF : 32.1/20

Right Out: 311.405+/-725.132 χ^2/NDF : 22.0/18

Left In: 587.535+/-1382.960 χ^2/NDF : 11.3/18

Left: -488.174+/-779.182 χ^2/NDF : 44.3/39

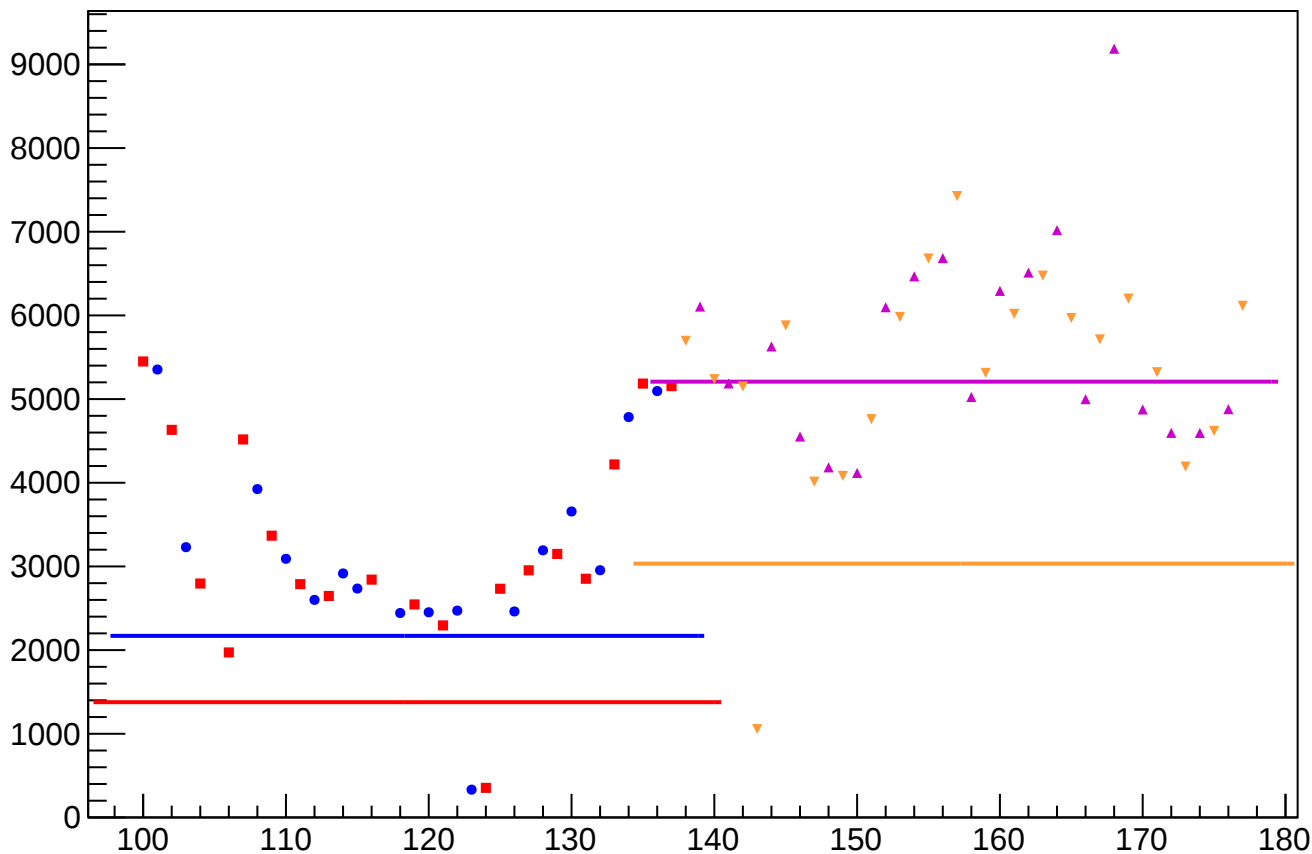
Right: -51.479+/-588.747 χ^2/NDF : 39.7/35

In: -287.878+/-814.862 χ^2/NDF : 28.9/35

Out: -171.523+/-574.859 χ^2/NDF : 55.3/39

All: -210.188+/-469.733 χ^2/NDF : 84.1/75

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 3033.579 $\pm$ 0.667 χ^2 /NDF:10657817.0/20

Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

Left In: 5208.189 $\pm$ 0.978 χ^2 /NDF:1036185.2/18

Left: 3723.882 $\pm$ 0.551 χ^2 /NDF: 15069331.6/39

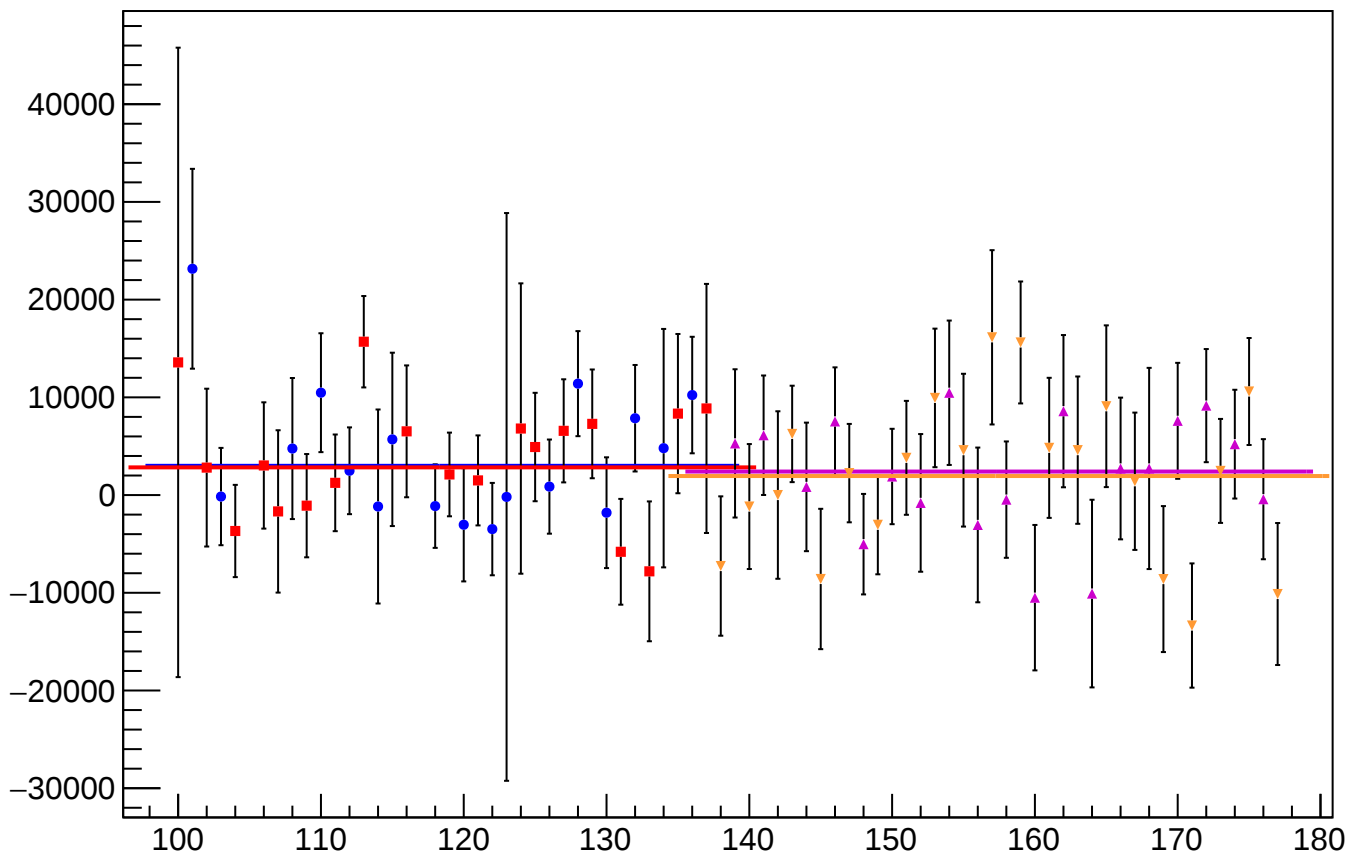
Right: 1647.801 $\pm$ 0.416 χ^2 /NDF: 11635181.2/35

In: 3224.943 $\pm$ 0.576 χ^2 /NDF:11310307.3/35

Out: 1992.909 $\pm$ 0.406 χ^2 /NDF:21379757.2/39

All: 2402.317 $\pm$ 0.332 χ^2 /NDF: 35742781.7/77

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 1947.835 $\pm$ 1410.322 χ^2 /NDF: 28.8/20

Right Out: 2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

Left In: 2406.599 $\pm$ 1485.452 χ^2 /NDF: 13.6/18

Left: 2165.323 $\pm$ 1022.777 χ^2 /NDF: 42.4/39

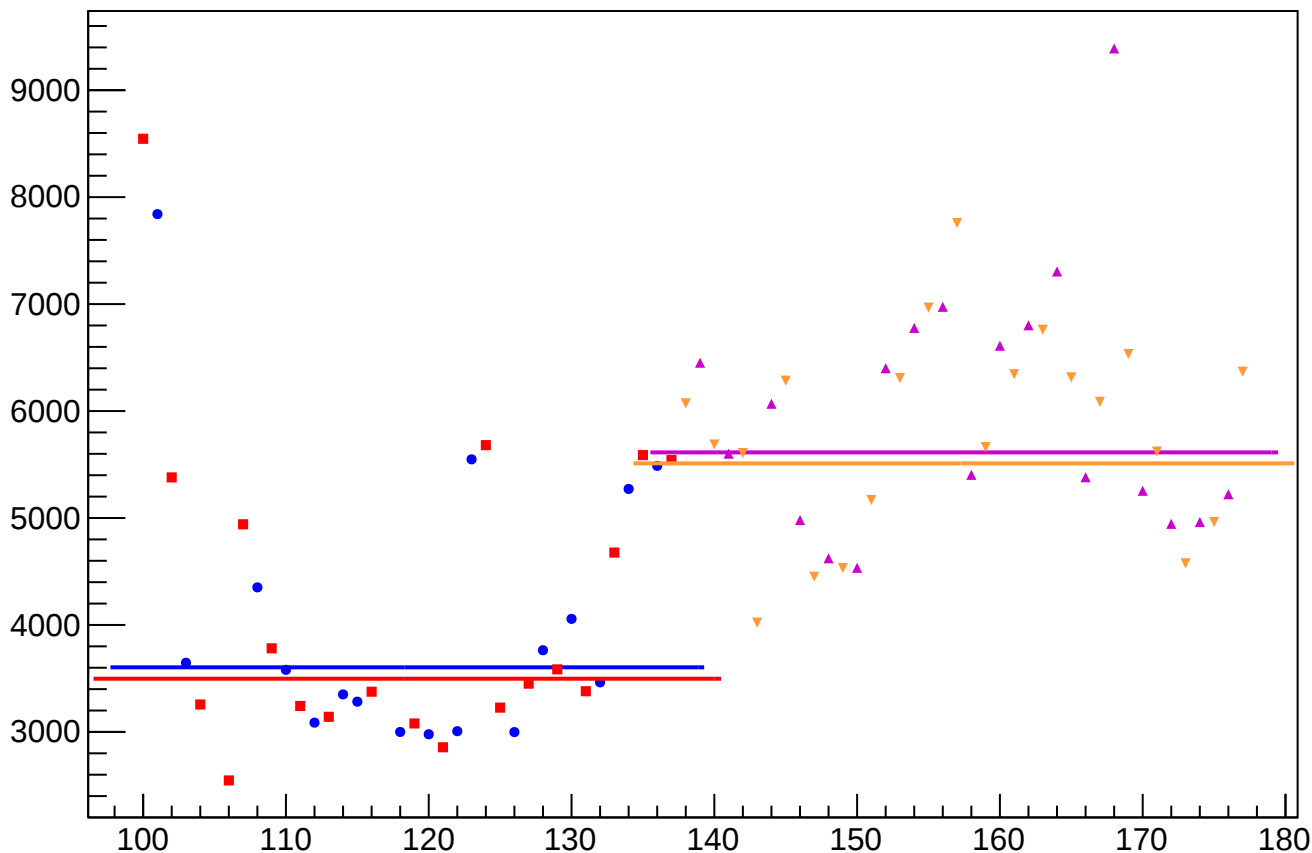
Right: 2909.269 $\pm$ 998.385 χ^2 /NDF: 33.4/35

In: 2707.346 $\pm$ 1036.588 χ^2 /NDF: 29.3/35

Out: 2400.529 $\pm$ 986.028 χ^2 /NDF: 46.7/39

All: 2546.273 $\pm$ 714.433 χ^2 /NDF: 76.1/75

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 ± 1.023 $\chi^2/\text{NDF}: 784674.5/16$

Left Out: 5510.775 ± 0.997 $\chi^2/\text{NDF}: 874596.2/20$

Right Out: 3497.586 ± 0.962 $\chi^2/\text{NDF}: 661898.6/18$

Left In: 5613.527 ± 1.050 $\chi^2/\text{NDF}: 853402.1/18$

Left: 5559.487 ± 0.723 $\chi^2/\text{NDF}: 1733031.3/39$

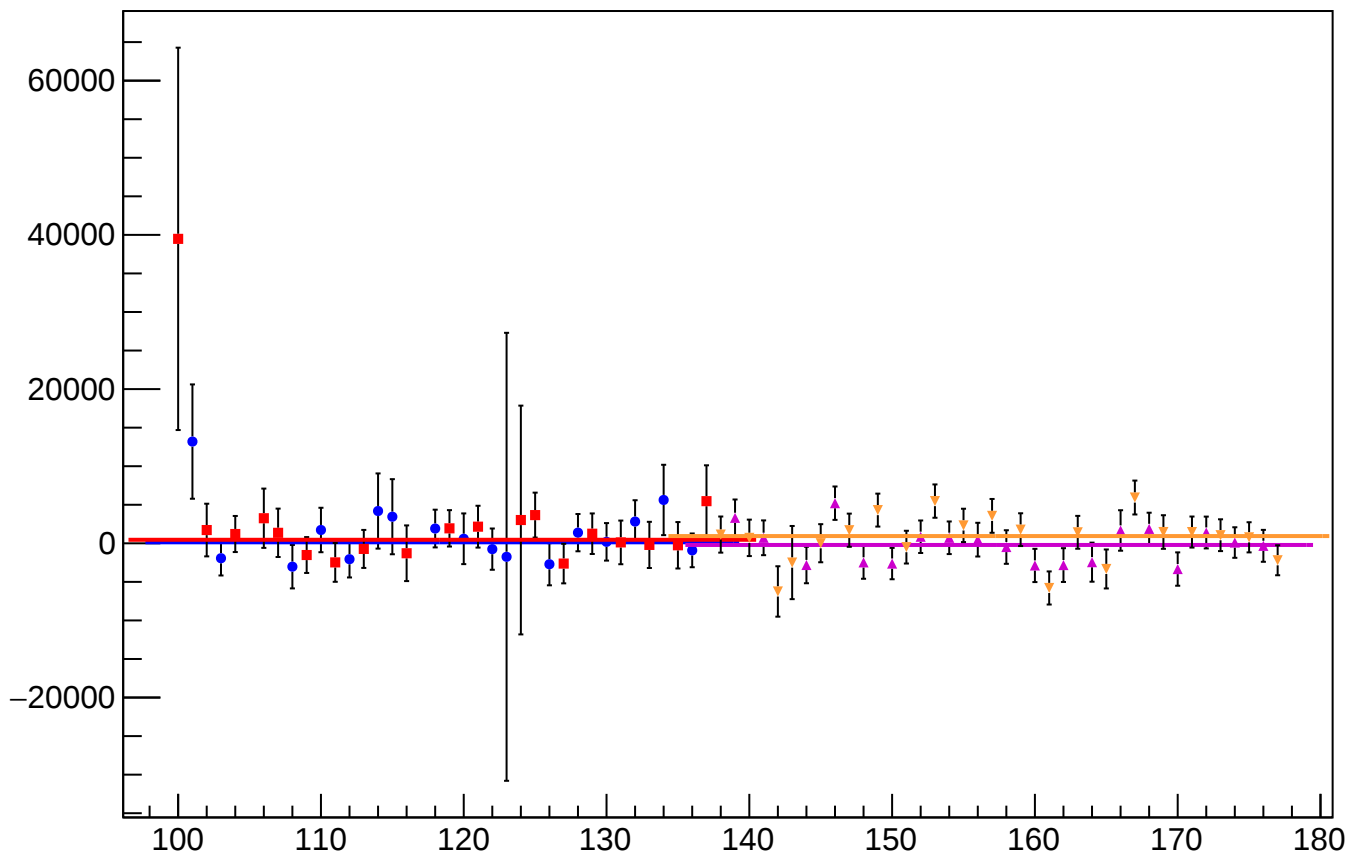
Right: 3547.455 ± 0.701 $\chi^2/\text{NDF}: 1452308.2/35$

In: 4582.522 ± 0.733 $\chi^2/\text{NDF}: 3516020.9/35$

Out: 4467.582 ± 0.692 $\chi^2/\text{NDF}: 3648244.8/39$

All: 4521.768 ± 0.503 $\chi^2/\text{NDF}: 7177263.4/75$

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913+/-709.207 χ^2/NDF : 12.2/16

Left Out: 941.346+/-488.136 χ^2/NDF :35.6/20

Right Out: 459.034+/-681.841 χ^2/NDF : 10.7/18

Left In: -212.723+/-500.786 χ^2/NDF :20.9/18

Left: 379.072+/-349.551 χ^2/NDF : 59.2/39

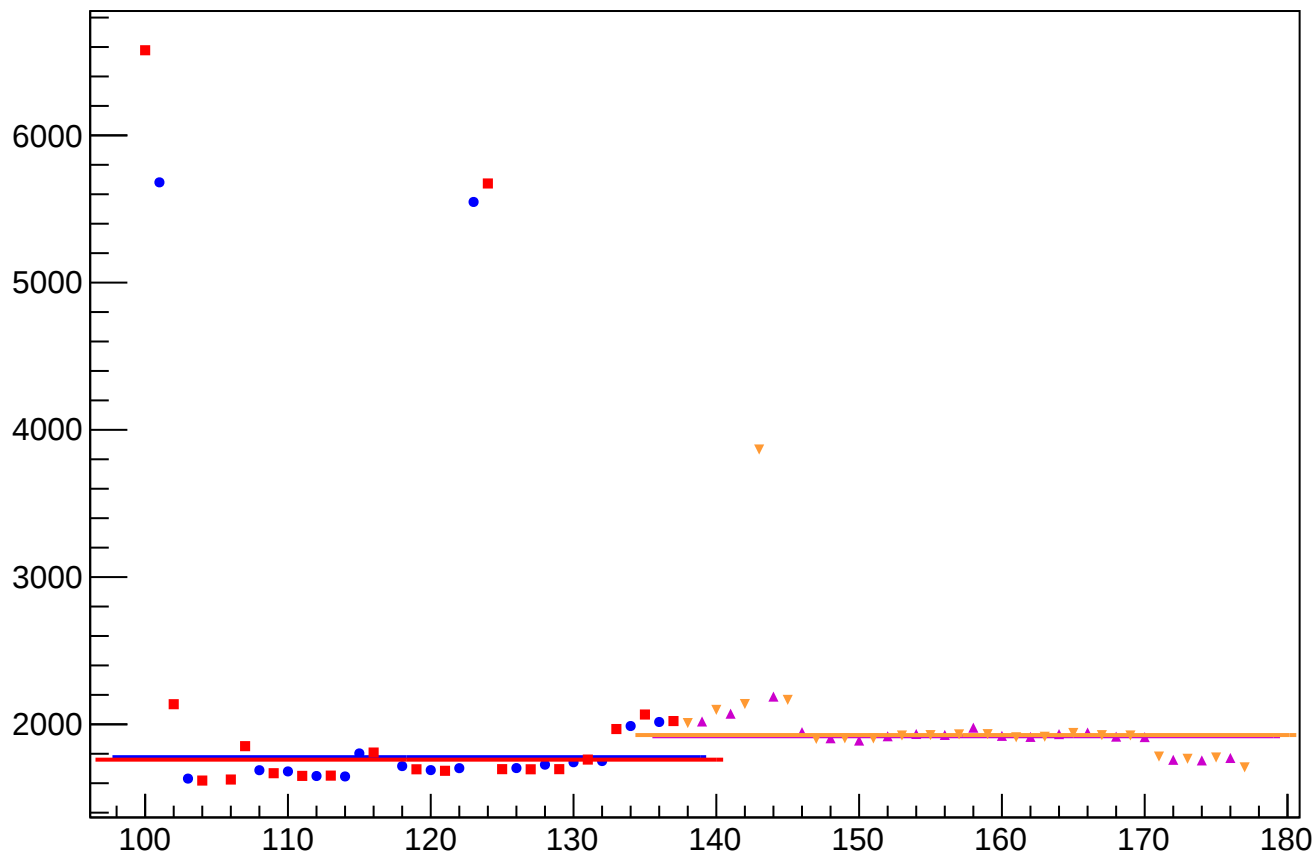
Right: 301.426+/-491.524 χ^2/NDF : 23.0/35

In: -98.391+/-409.080 χ^2/NDF :33.2/35

Out: 777.913+/-396.908 χ^2/NDF :46.7/39

All: 352.992+/-284.862 χ^2/NDF : 82.2/75

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1927.094+/-0.345 χ^2/NDF : 435417.6/20

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

Left In: 1918.895+/-0.354 χ^2/NDF : 77251.9/18

Left: 1923.099+/-0.247 χ^2/NDF : 512944.4/39

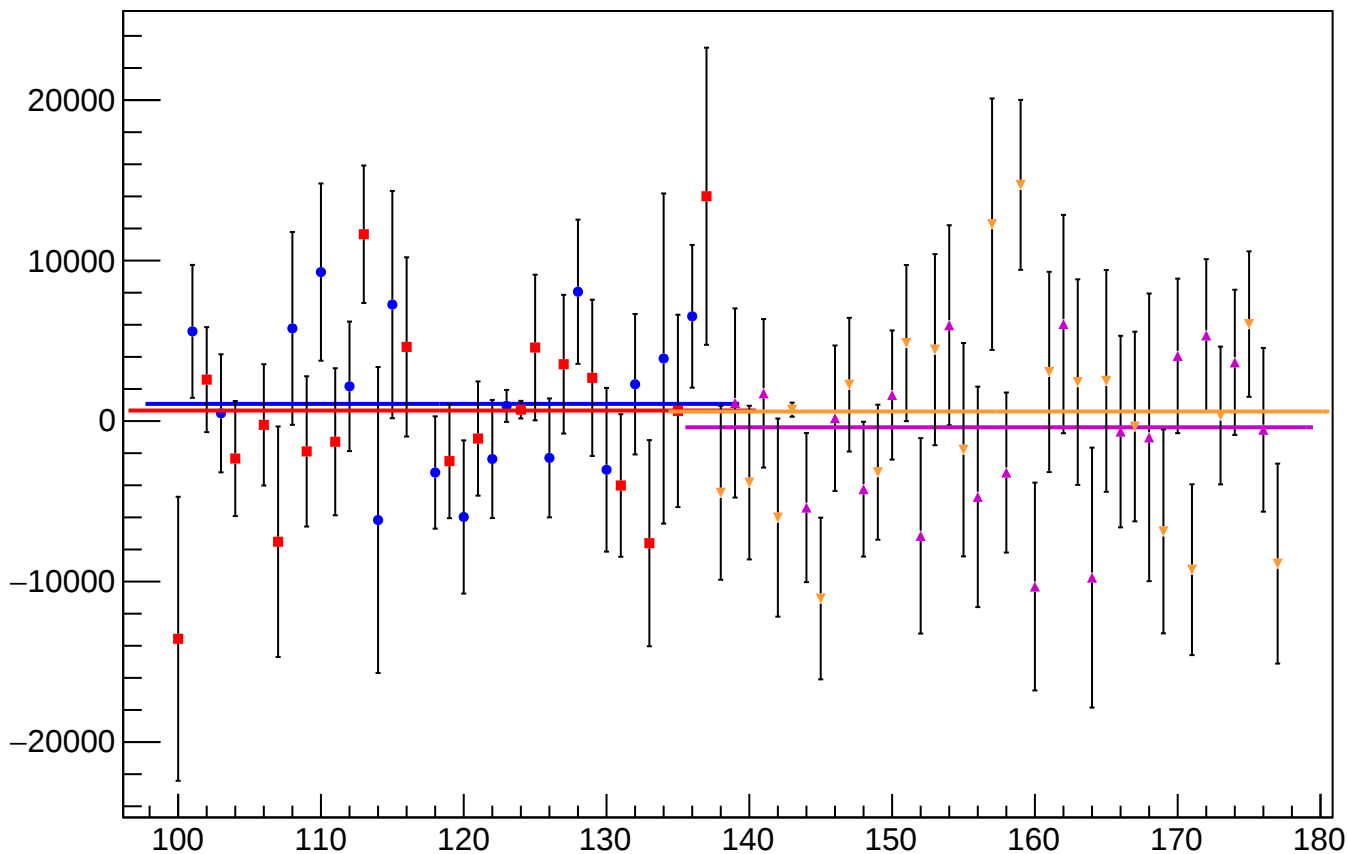
Right: 1768.045+/-0.346 χ^2/NDF : 950324.7/35

In: 1871.644+/-0.289 χ^2/NDF : 774343.0/35

Out: 1869.958+/-0.280 χ^2/NDF : 821711.0/39

All: 1870.774+/-0.201 χ^2/NDF : 1596071.5/75

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 597.900+/-412.317 χ^2/NDF : 28.8/20

Right Out: 658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: -385.676+/-1213.527 χ^2/NDF : 13.2/18

Left: 496.105+/-390.398 χ^2/NDF : 42.6/39

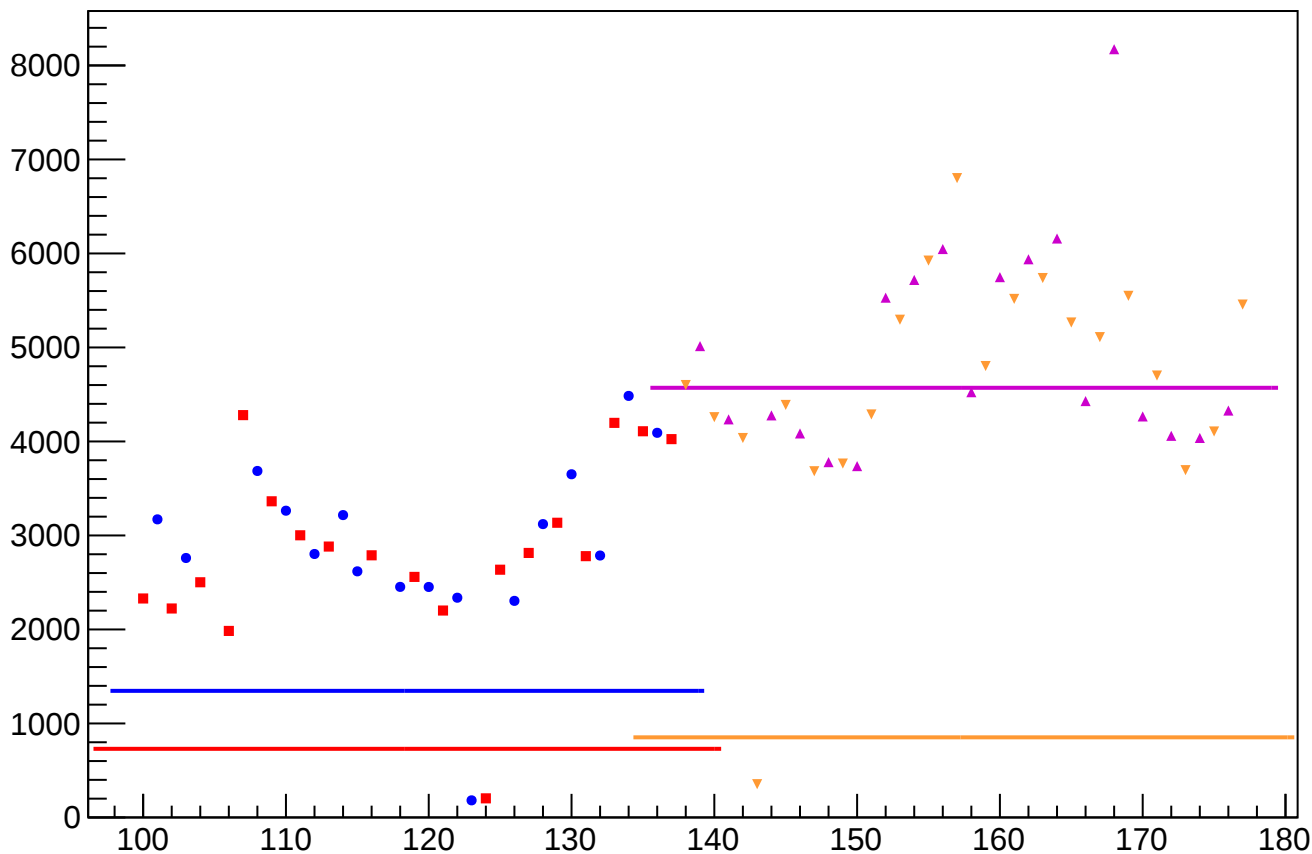
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 667.477+/-639.390 χ^2/NDF : 29.8/35

Out: 623.247+/-314.959 χ^2/NDF : 48.6/39

All: 631.884+/-282.540 χ^2/NDF : 78.5/75

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 852.308 $\pm$ 0.292 χ^2 /NDF: 22765970.3/20

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

Left In: 4570.819 $\pm$ 0.858 χ^2 /NDF: 1030995.2/18

Left: 1237.152 $\pm$ 0.276 χ^2 /NDF: 40632320.7/39

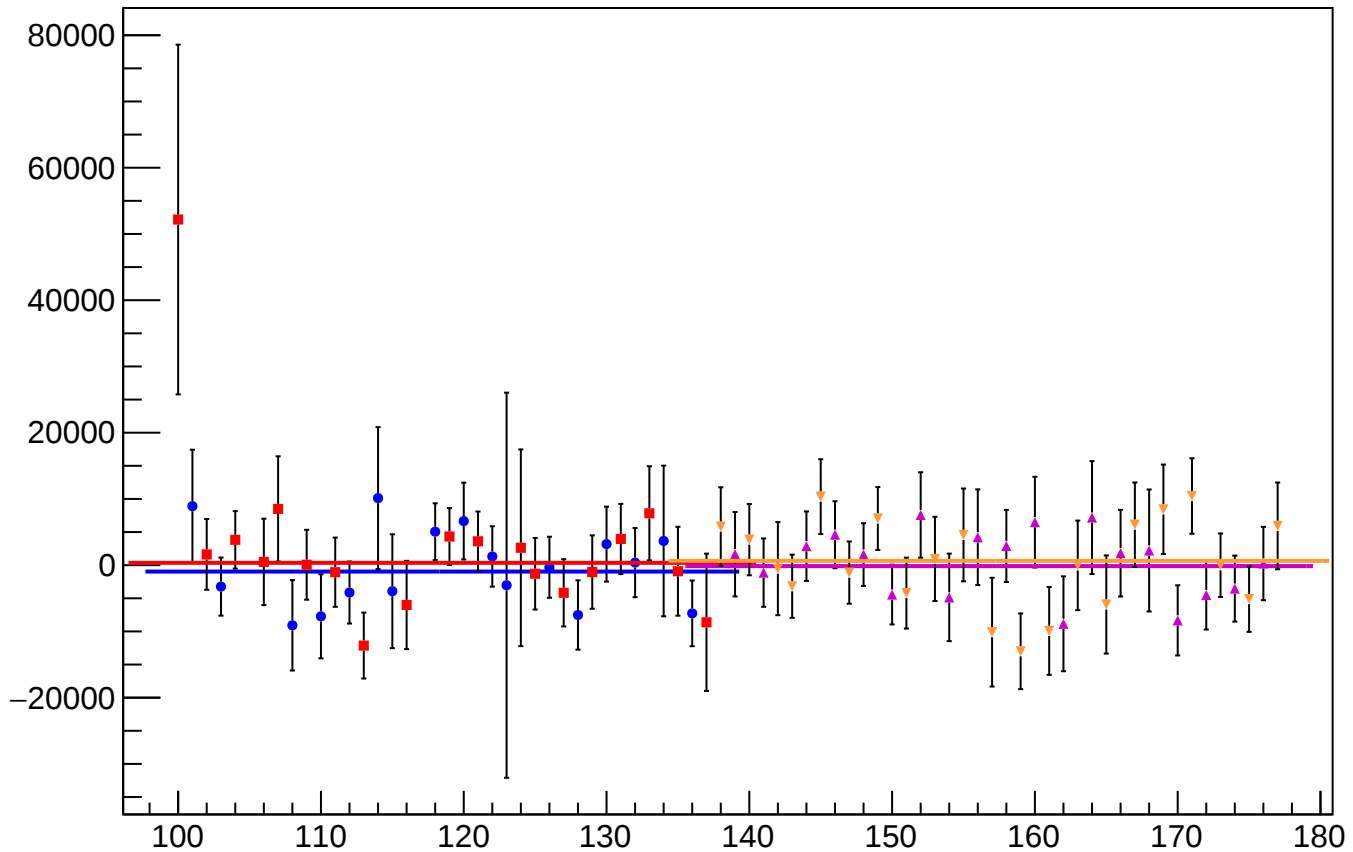
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2241.841 $\pm$ 0.452 χ^2 /NDF: 18067499.6/35

Out: 801.417 $\pm$ 0.223 χ^2 /NDF: 32342250.9/39

All: 1082.684 $\pm$ 0.200 χ^2 /NDF: 58578035.7/77

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 $\pm$ 1395.626 χ^2/NDF : 13.7/16

Left Out: 654.077 $\pm$ 1268.477 χ^2/NDF : 25.6/20

Right Out: 354.646 $\pm$ 1329.760 χ^2/NDF : 17.6/18

Left In: -136.963 $\pm$ 1328.791 χ^2/NDF : 11.9/18

Left: 276.917 $\pm$ 917.531 χ^2/NDF : 37.7/39

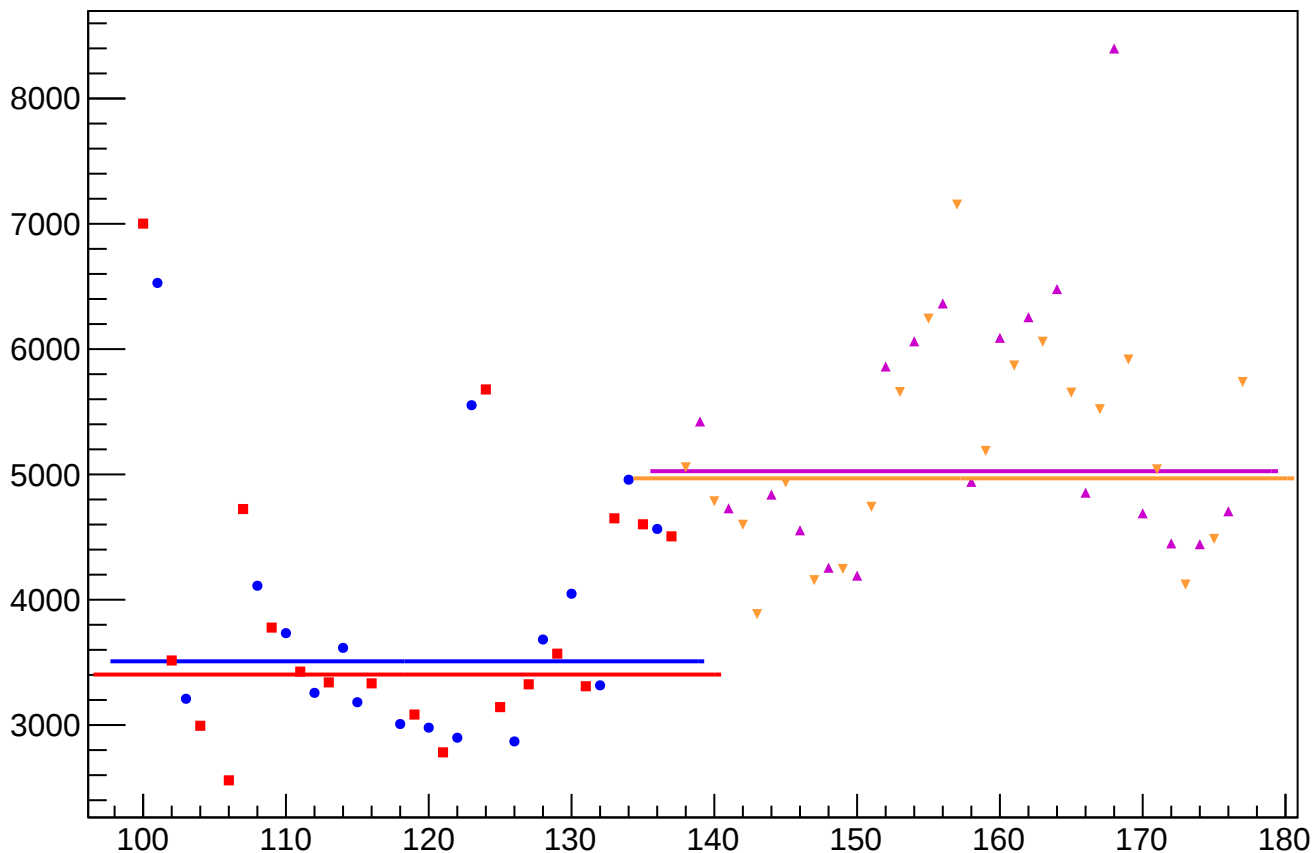
Right: -272.899 $\pm$ 962.726 χ^2/NDF : 31.8/35

In: -530.277 $\pm$ 962.358 χ^2/NDF : 25.8/35

Out: 511.420 $\pm$ 917.849 χ^2/NDF : 43.3/39

All: 15.217 $\pm$ 664.195 χ^2/NDF : 69.7/75

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2 /NDF: 562197.7/16

Left Out: 4968.623 $\pm$ 0.897 χ^2 /NDF: 725635.4/20

Right Out: 3402.883 $\pm$ 0.928 χ^2 /NDF: 428556.1/18

Left In: 5025.908 $\pm$ 0.940 χ^2 /NDF: 809131.4/18

Left: 4995.936 $\pm$ 0.649 χ^2 /NDF: 1536711.6/39

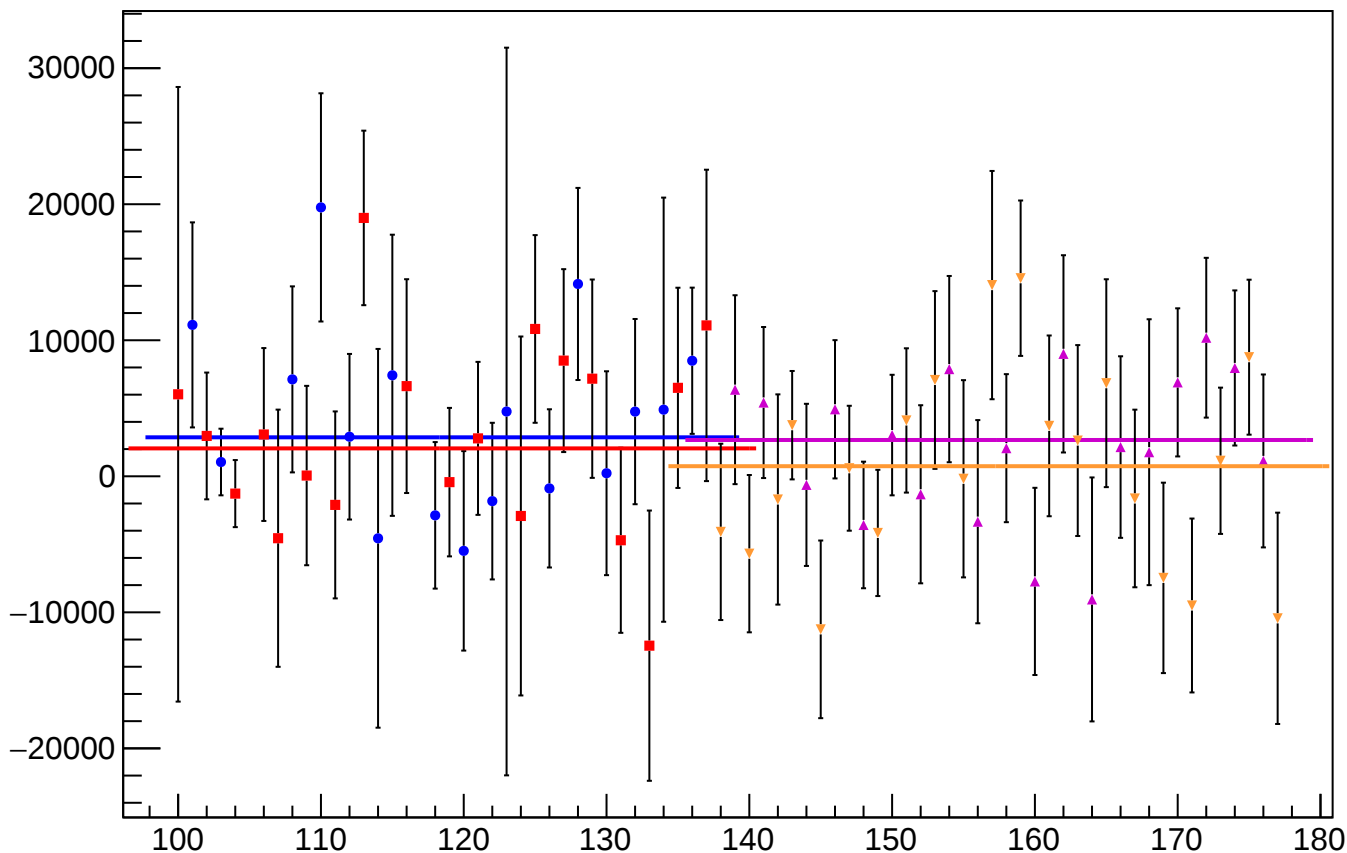
Right: 3452.447 $\pm$ 0.676 χ^2 /NDF: 996829.8/35

In: 4304.394 $\pm$ 0.680 χ^2 /NDF: 2611463.1/35

Out: 4212.480 $\pm$ 0.645 χ^2 /NDF: 2625784.9/39

All: 4255.976 $\pm$ 0.468 χ^2 /NDF: 5246858.4/75

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: 742.030+/-1308.403 χ^2/NDF : 25.7/20

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 2668.751+/-1390.293 χ^2/NDF : 12.4/18

Left: 1646.980+/-952.816 χ^2/NDF : 39.1/39

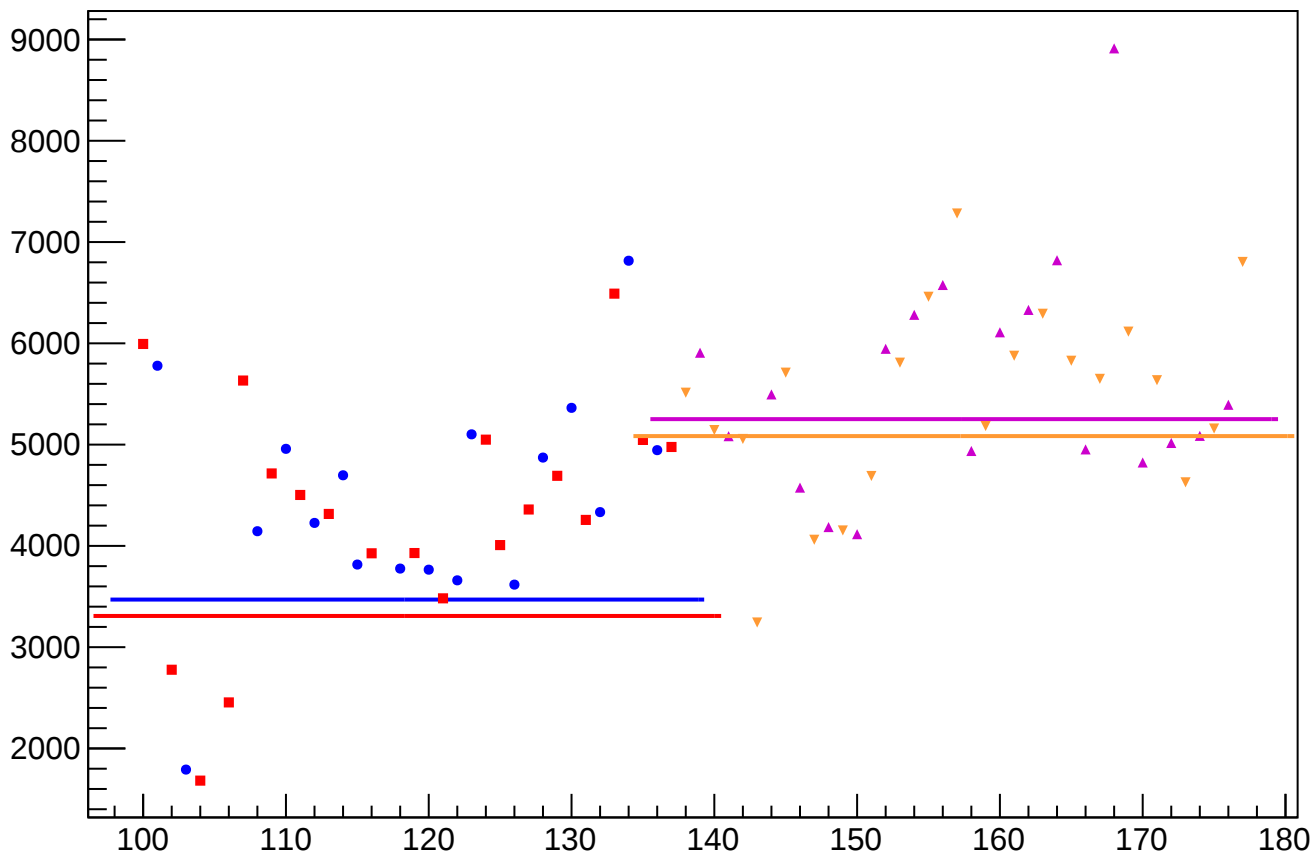
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2762.463+/-1004.409 χ^2/NDF : 26.5/35

Out: 1361.034+/-949.996 χ^2/NDF : 43.9/39

All: 2022.761+/-690.184 χ^2/NDF : 71.4/75

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: 5084.128 $\pm$ 0.925 χ^2 /NDF: 1172545.7/20

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5251.562 $\pm$ 0.983 χ^2 /NDF: 871635.6/18

Left: 5162.769 $\pm$ 0.674 χ^2 /NDF: 2059564.2/39

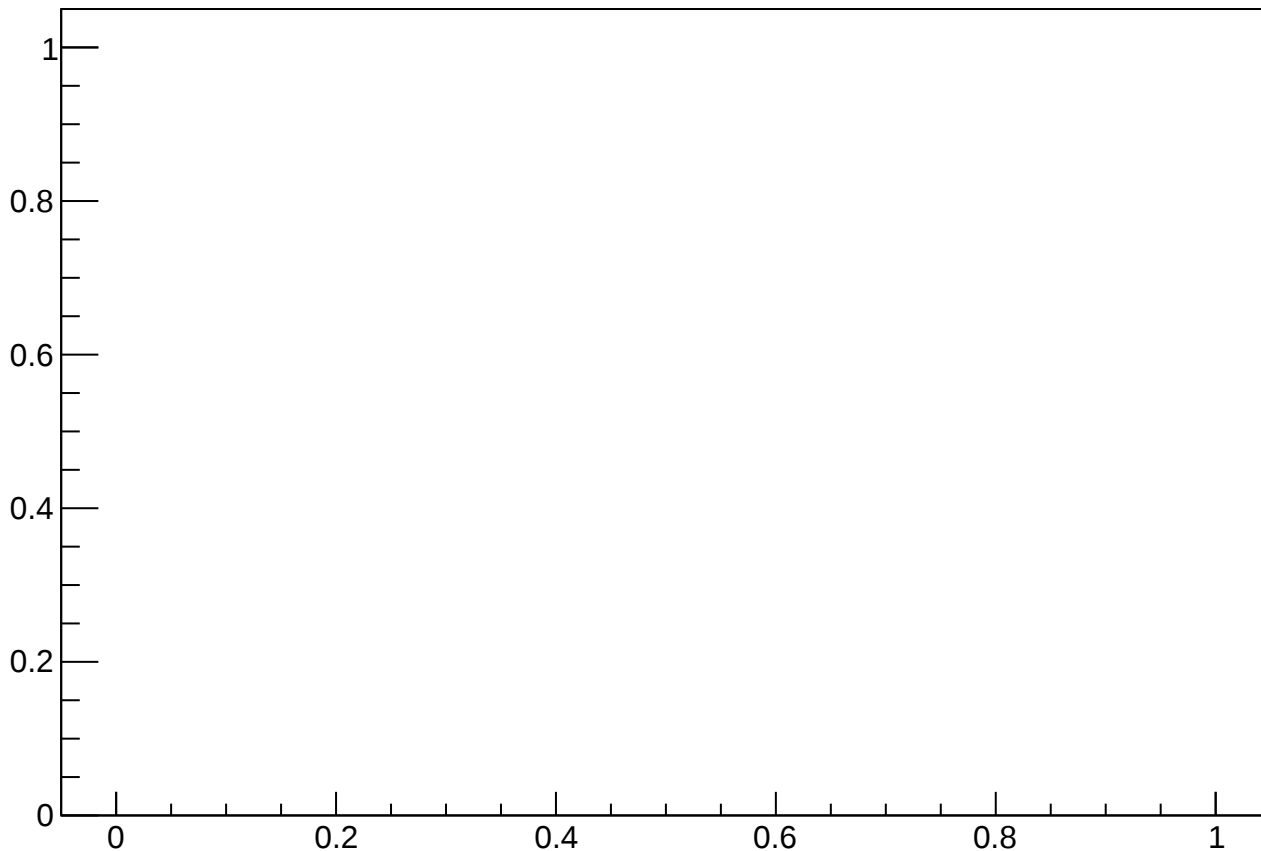
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4399.842 $\pm$ 0.710 χ^2 /NDF: 4202514.6/35

Out: 4236.328 $\pm$ 0.669 χ^2 /NDF: 4842283.1/39

All: 4313.182 $\pm$ 0.487 χ^2 /NDF: 9072890.3/75

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

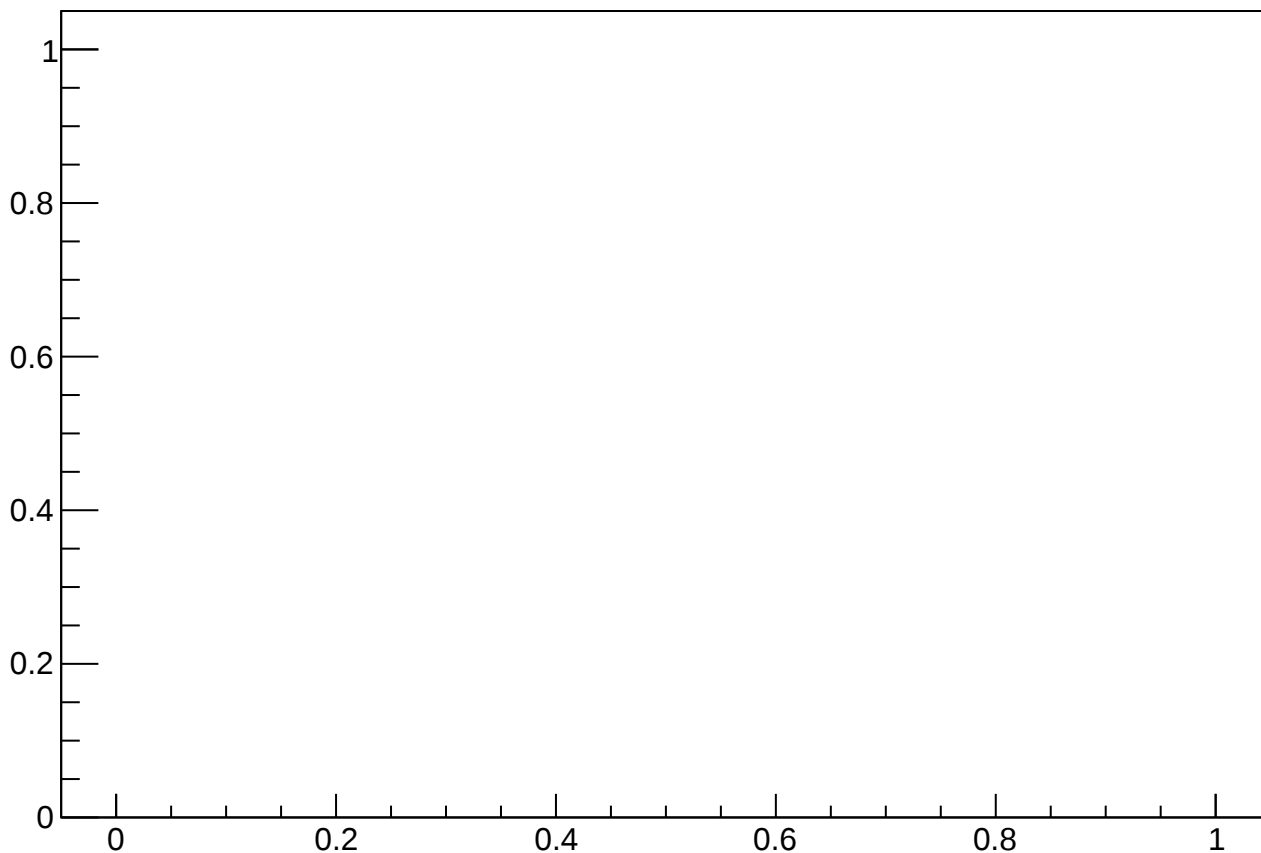
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

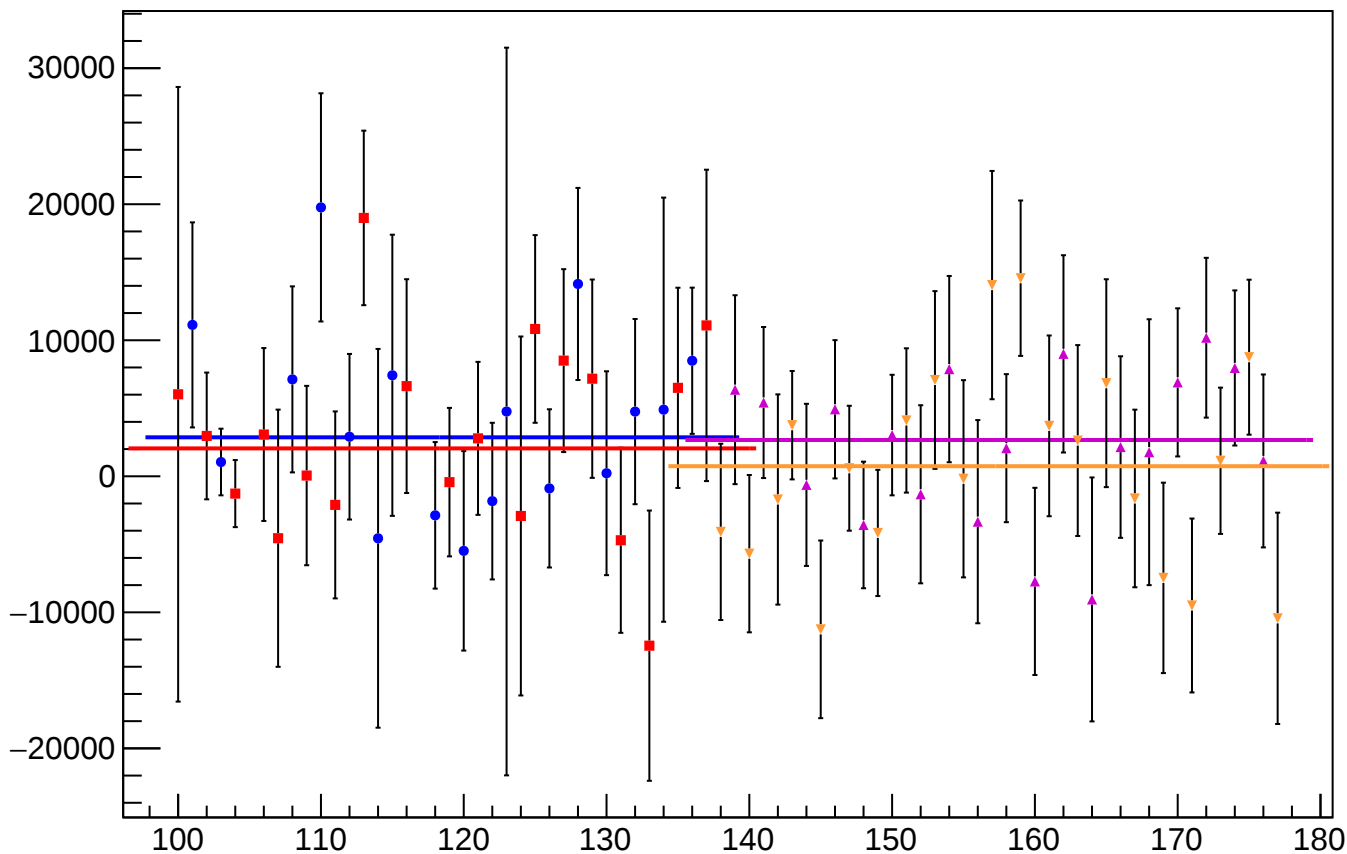
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: 742.030 $\pm$ 1308.403 χ^2 /NDF:25.7/20

Right Out: 2051.211 $\pm$ 1381.577 χ^2 /NDF: 17.7/18

Left In: 2668.751 $\pm$ 1390.293 χ^2 /NDF:12.4/18

Left: 1646.980 $\pm$ 952.816 χ^2 /NDF: 39.1/39

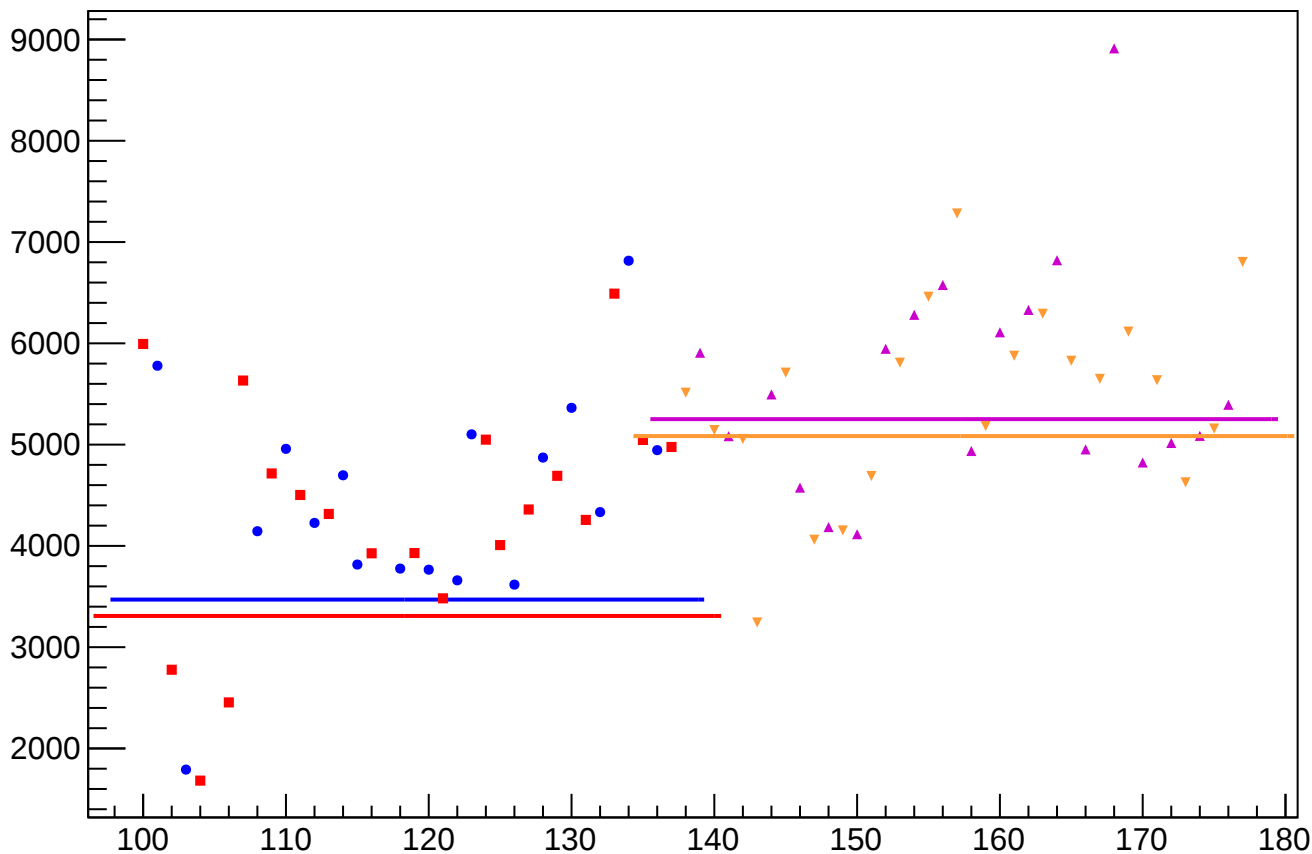
Right: 2437.600 $\pm$ 1001.108 χ^2 /NDF: 31.9/35

In: 2762.463 $\pm$ 1004.409 χ^2 /NDF:26.5/35

Out: 1361.034 $\pm$ 949.996 χ^2 /NDF:43.9/39

All: 2022.761 $\pm$ 690.184 χ^2 /NDF: 71.4/75

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: 5084.128 $\pm$ 0.925 χ^2 /NDF: 1172545.7/20

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5251.562 $\pm$ 0.983 χ^2 /NDF: 871635.6/18

Left: 5162.769 $\pm$ 0.674 χ^2 /NDF: 2059564.2/39

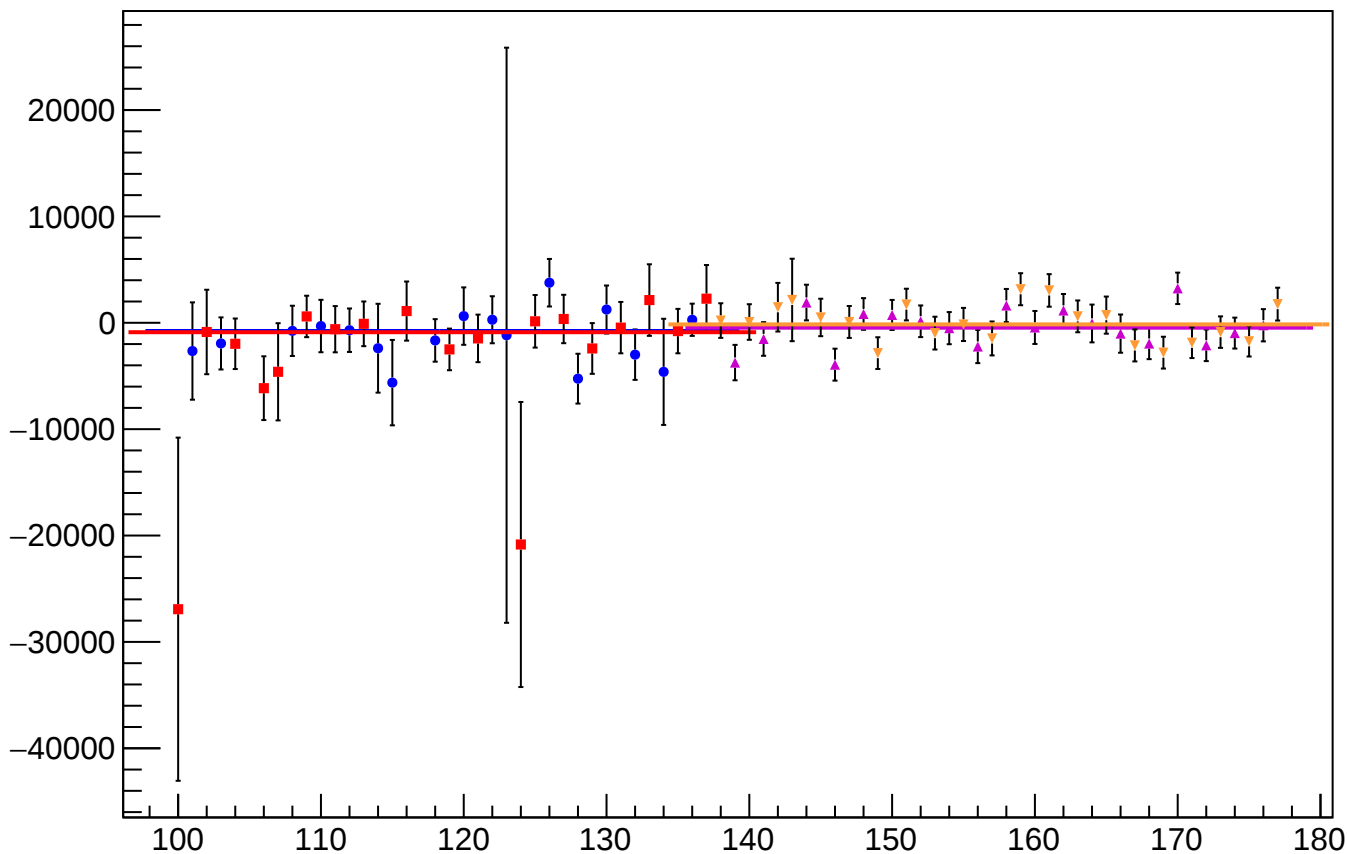
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4399.842 $\pm$ 0.710 χ^2 /NDF: 4202514.6/35

Out: 4236.328 $\pm$ 0.669 χ^2 /NDF: 4842283.1/39

All: 4313.182 $\pm$ 0.487 χ^2 /NDF: 9072890.3/75

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: -151.044+/-347.800 χ^2/NDF :25.9/20

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -458.859+/-354.215 χ^2/NDF :26.3/18

Left: -302.139+/-248.168 χ^2/NDF : 52.6/39

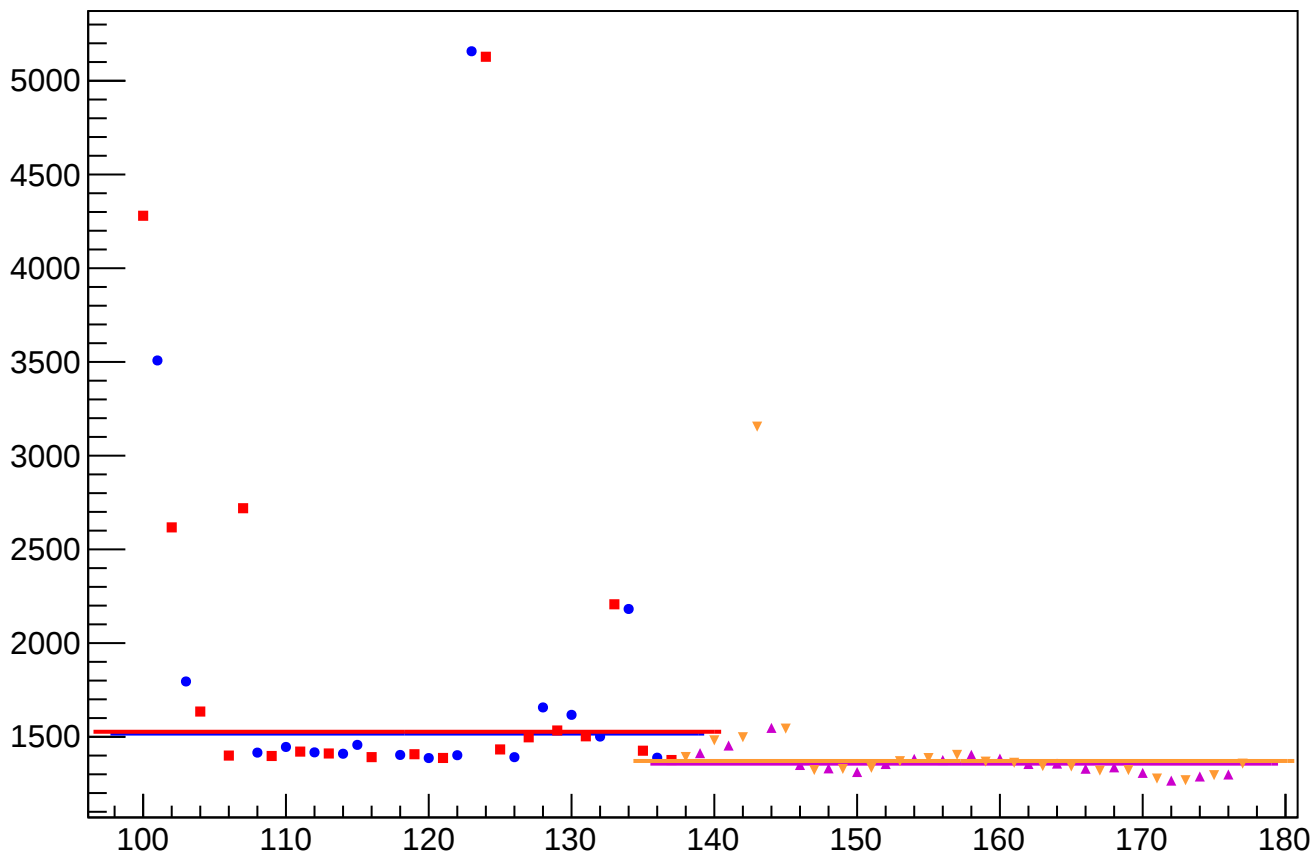
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -538.839+/-305.508 χ^2/NDF :39.8/35

Out: -337.971+/-300.271 χ^2/NDF :40.5/39

All: -436.669+/-214.151 χ^2/NDF : 80.5/75

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334 ± 0.427 χ^2/NDF : 536662.7/16

Left Out: 1371.138 ± 0.246 χ^2/NDF : 493637.2/20

Right Out: 1527.005 ± 0.421 χ^2/NDF : 631684.2/18

Left In: 1356.897 ± 0.250 χ^2/NDF : 59394.1/18

Left: 1364.147 ± 0.175 χ^2/NDF : 554677.3/39

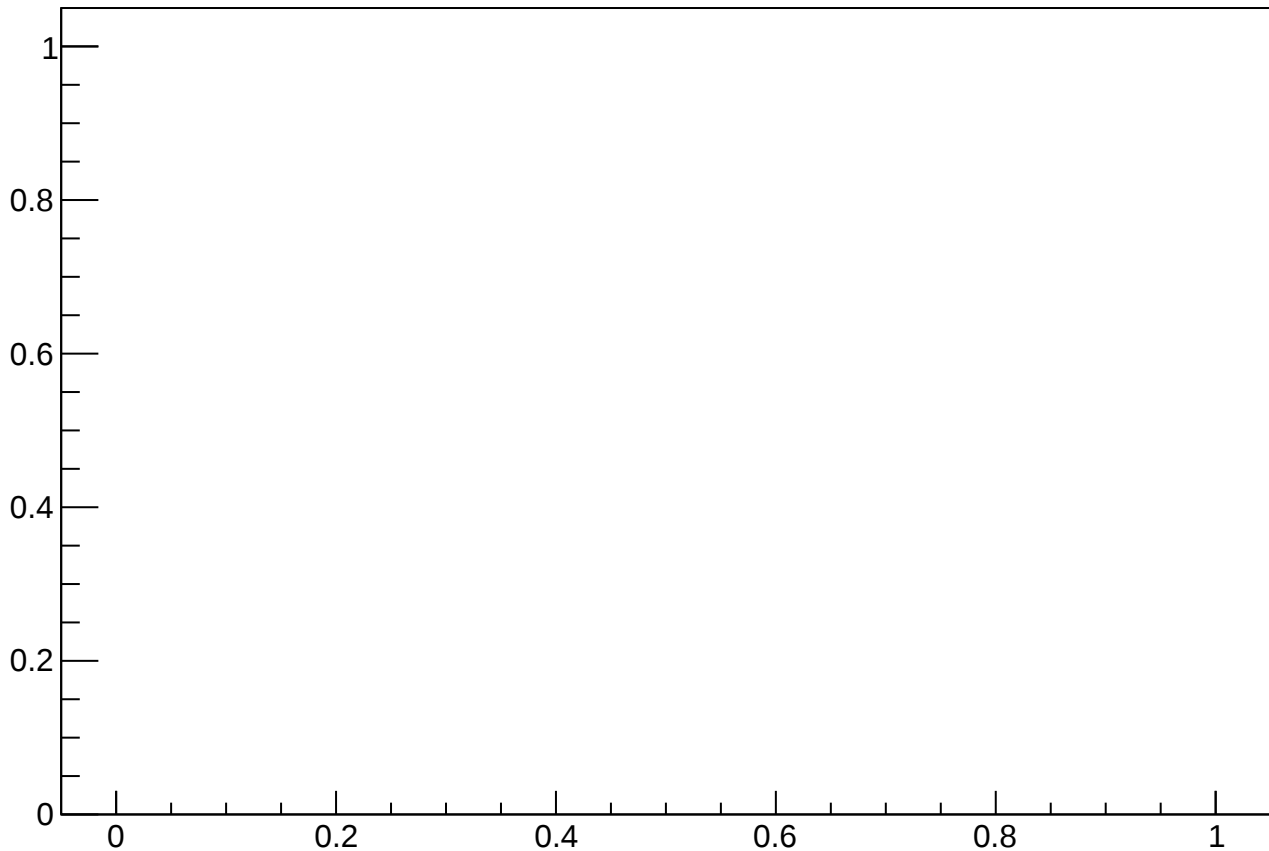
Right: 1522.239 ± 0.300 χ^2/NDF : 1168607.3/35

In: 1397.986 ± 0.216 χ^2/NDF : 701138.8/35

Out: 1410.827 ± 0.212 χ^2/NDF : 1227604.1/39

All: 1404.518 ± 0.151 χ^2/NDF : 1930540.3/75

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

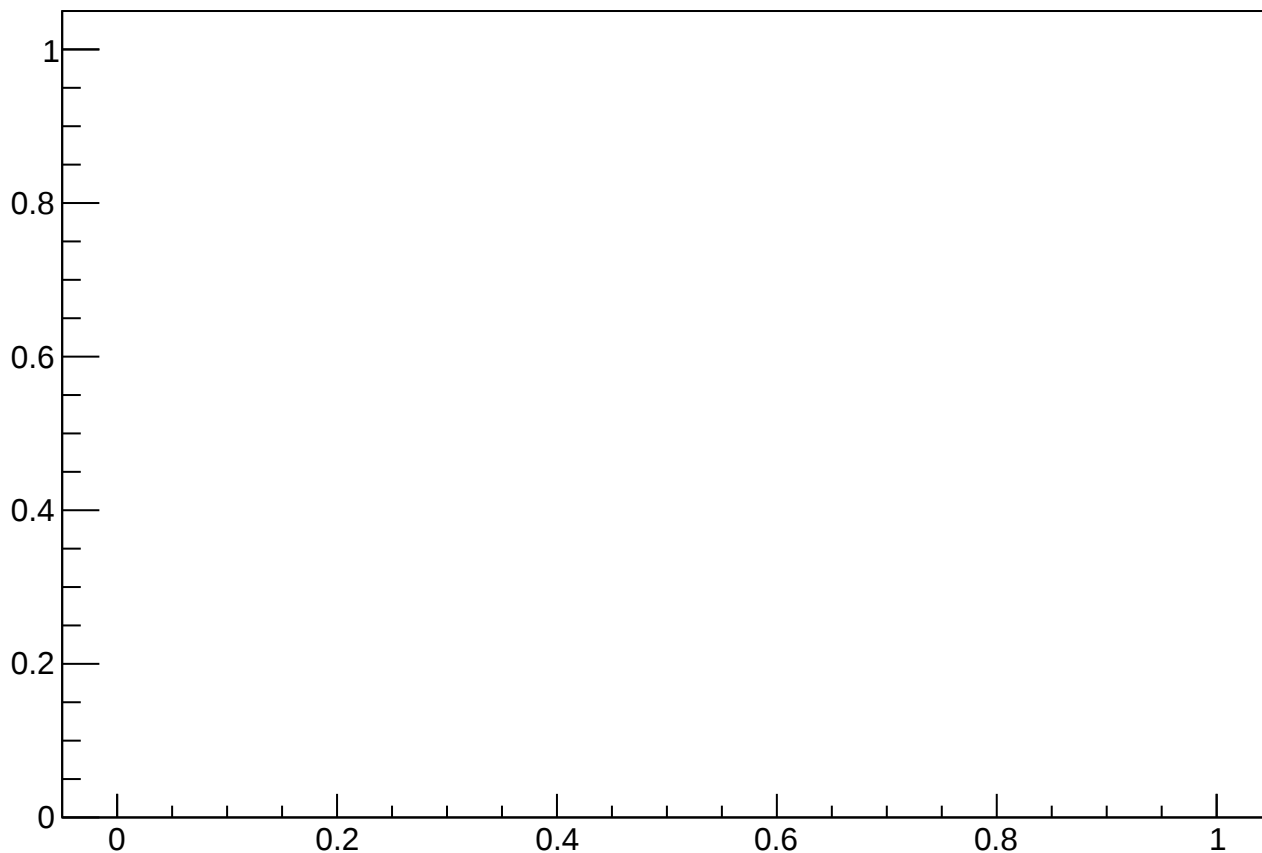
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

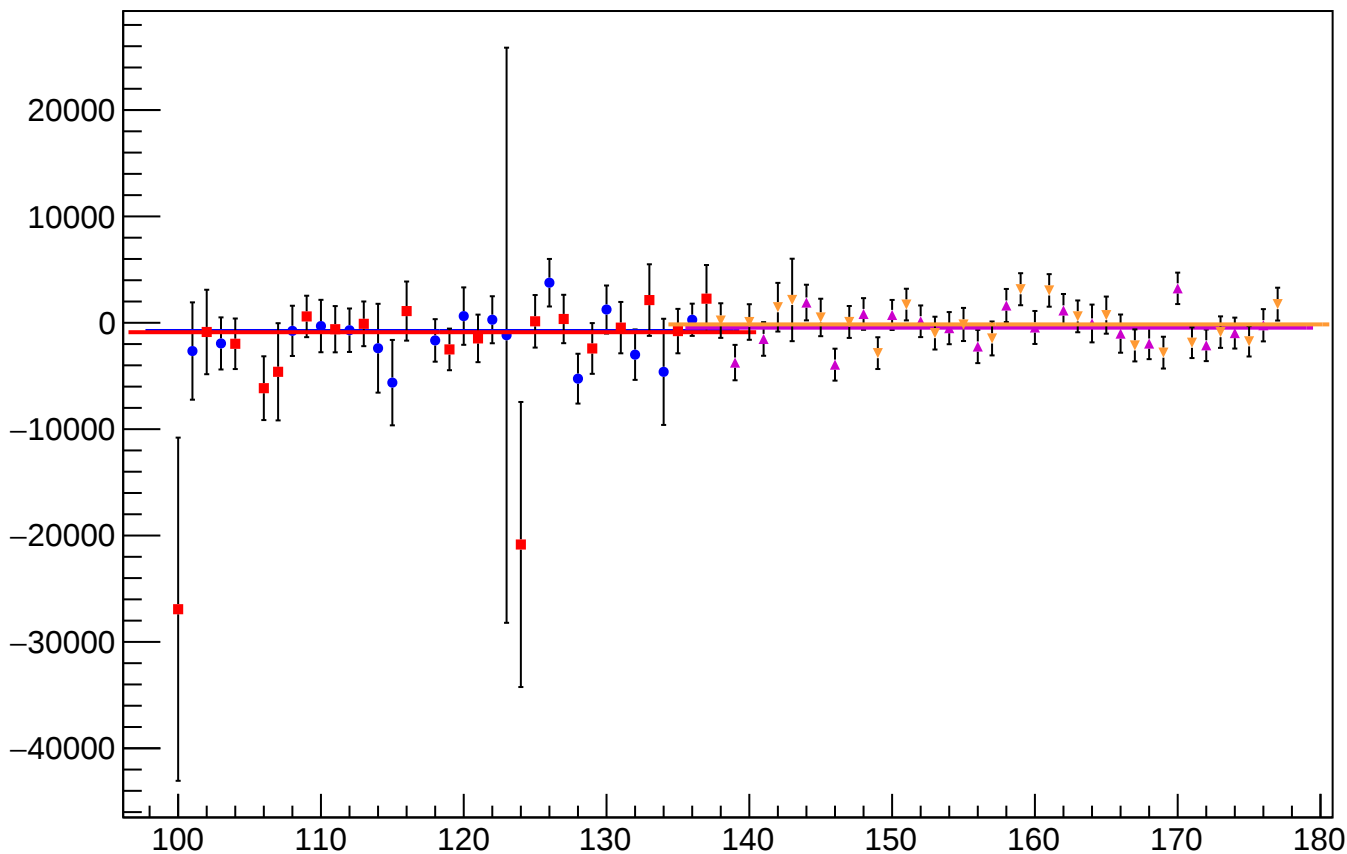
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -151.044+/-347.800 χ^2/NDF :25.9/20

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -458.859+/-354.215 χ^2/NDF :26.3/18

Left: -302.139+/-248.168 χ^2/NDF : 52.6/39

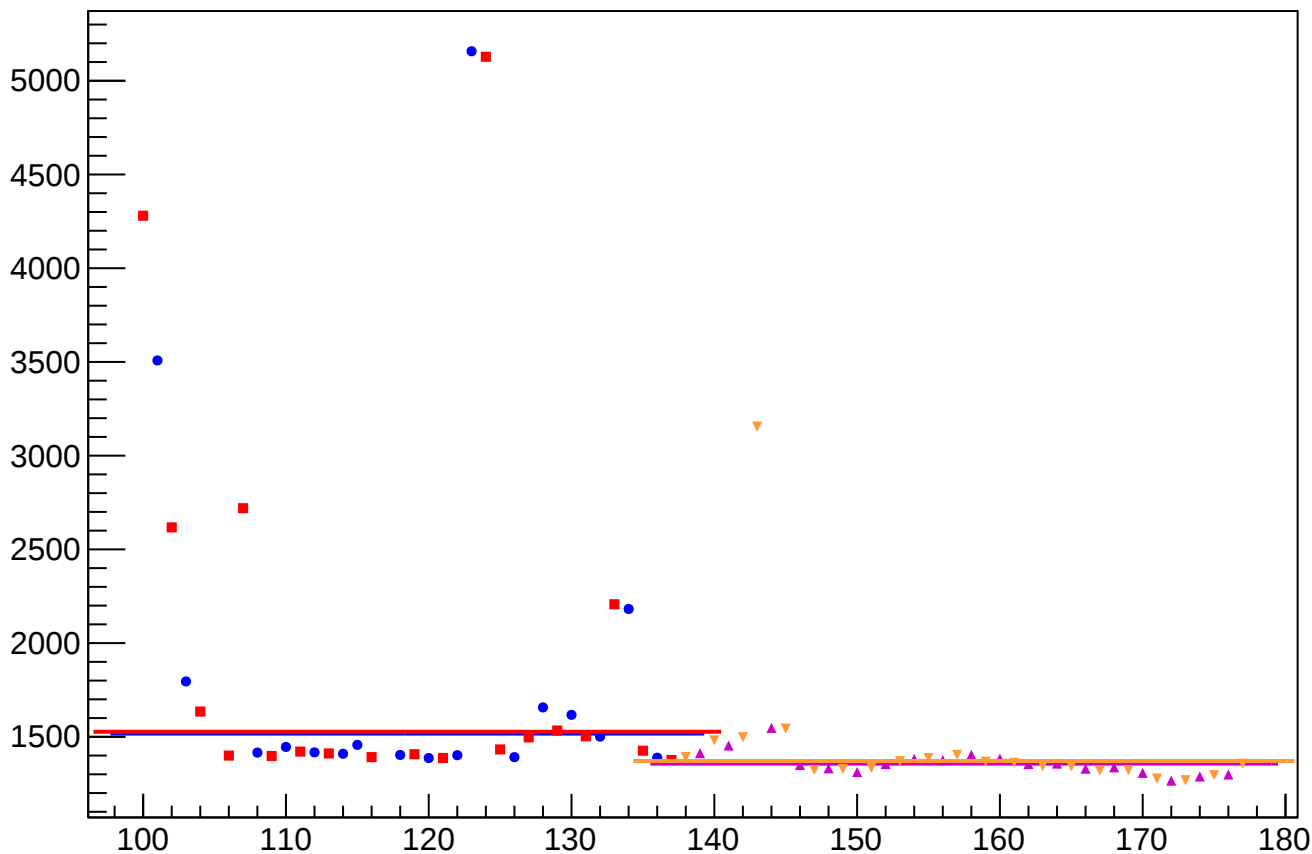
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -538.839+/-305.508 χ^2/NDF :39.8/35

Out: -337.971+/-300.271 χ^2/NDF :40.5/39

All: -436.669+/-214.151 χ^2/NDF : 80.5/75

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1371.138+/-0.246 χ^2/NDF : 493637.2/20

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1356.897+/-0.250 χ^2/NDF : 59394.1/18

Left: 1364.147+/-0.175 χ^2/NDF : 554677.3/39

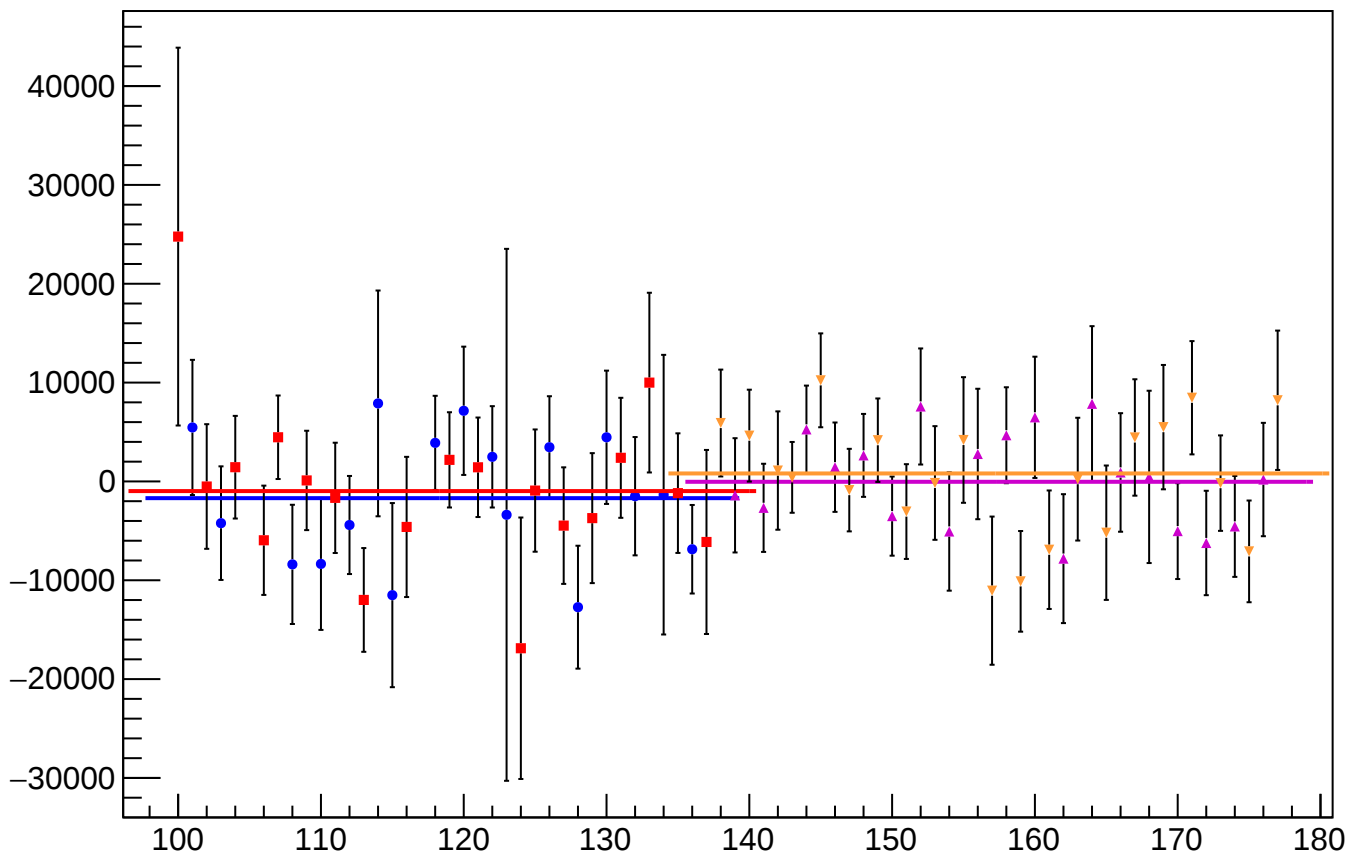
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1397.986+/-0.216 χ^2/NDF : 701138.8/35

Out: 1410.827+/-0.212 χ^2/NDF : 1227604.1/39

All: 1404.518+/-0.151 χ^2/NDF : 1930540.3/75

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: 806.857 ± 1147.347 $\chi^2/\text{NDF}: 23.0/20$

Right Out: -977.899 ± 1378.874 $\chi^2/\text{NDF}: 13.9/18$

Left In: -37.339 ± 1216.289 $\chi^2/\text{NDF}: 13.4/18$

Left: 409.362 ± 834.606 $\chi^2/\text{NDF}: 36.7/39$

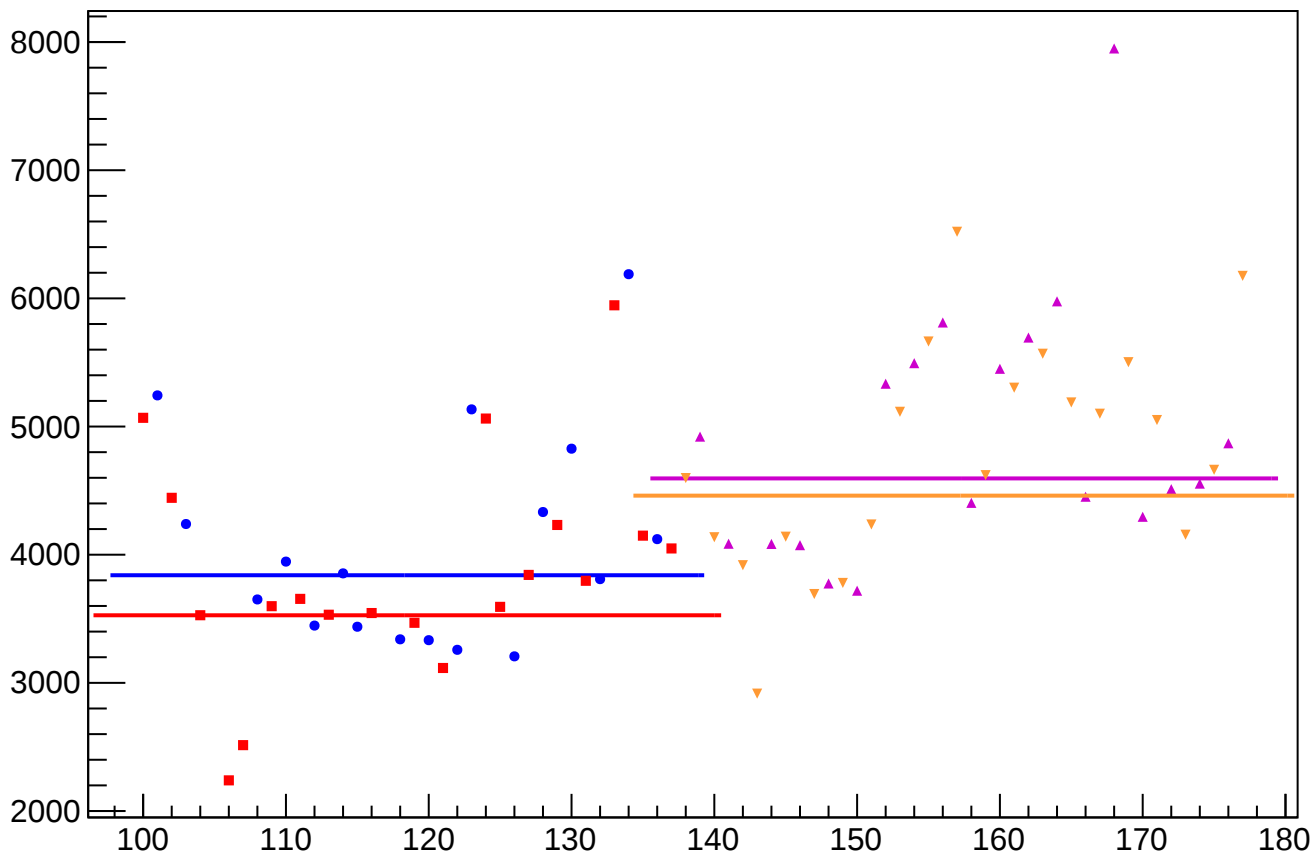
Right: -1302.190 ± 1019.117 $\chi^2/\text{NDF}: 29.9/35$

In: -687.157 ± 947.944 $\chi^2/\text{NDF}: 30.0/35$

Out: 76.689 ± 881.956 $\chi^2/\text{NDF}: 38.0/39$

All: -277.725 ± 645.706 $\chi^2/\text{NDF}: 68.3/75$

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: 4460.832+/-0.811 χ^2/NDF : 1137770.4/20

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4595.188+/-0.860 χ^2/NDF : 873441.6/18

Left: 4524.094+/-0.590 χ^2/NDF : 2024125.4/39

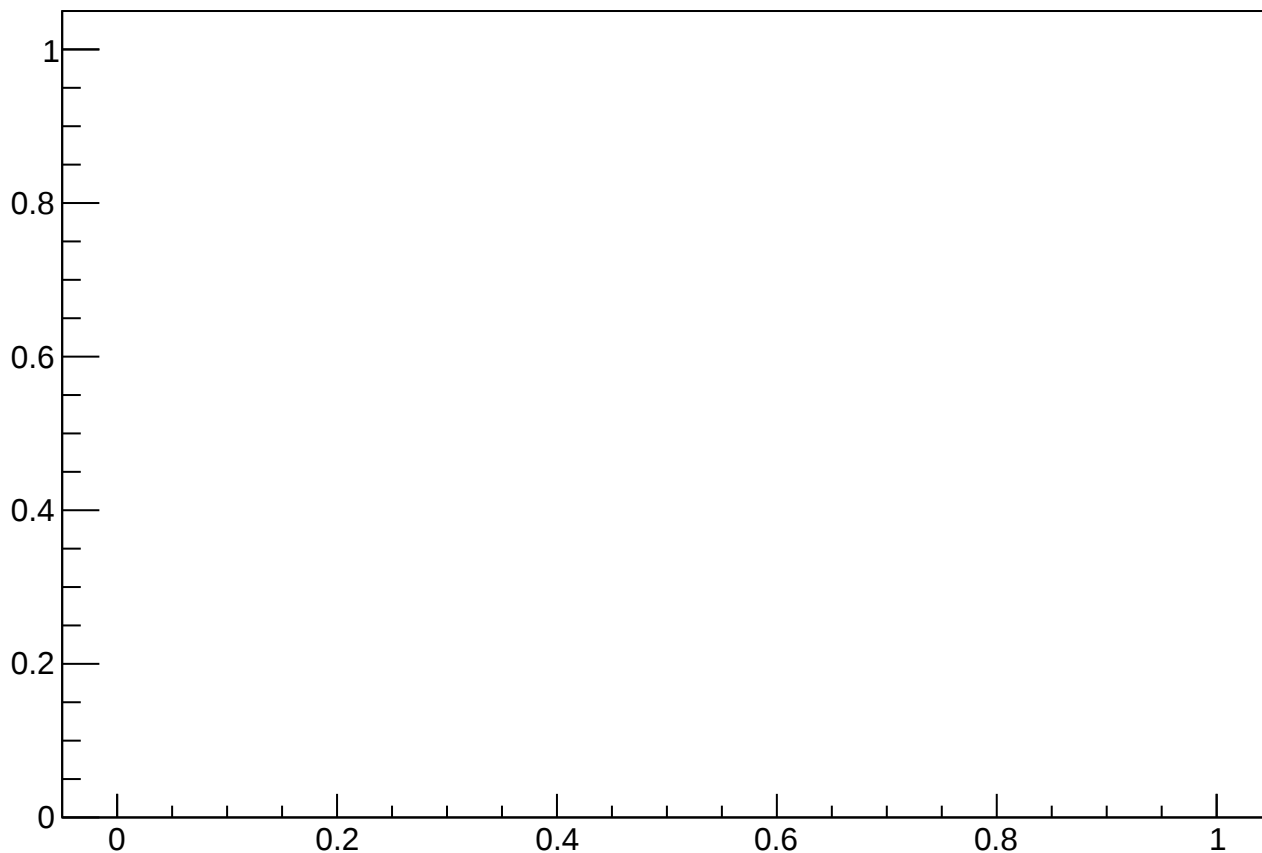
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4298.612+/-0.670 χ^2/NDF : 1502295.0/35

Out: 4074.792+/-0.621 χ^2/NDF : 2240067.2/39

All: 4178.224+/-0.456 χ^2/NDF : 3802335.0/75

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

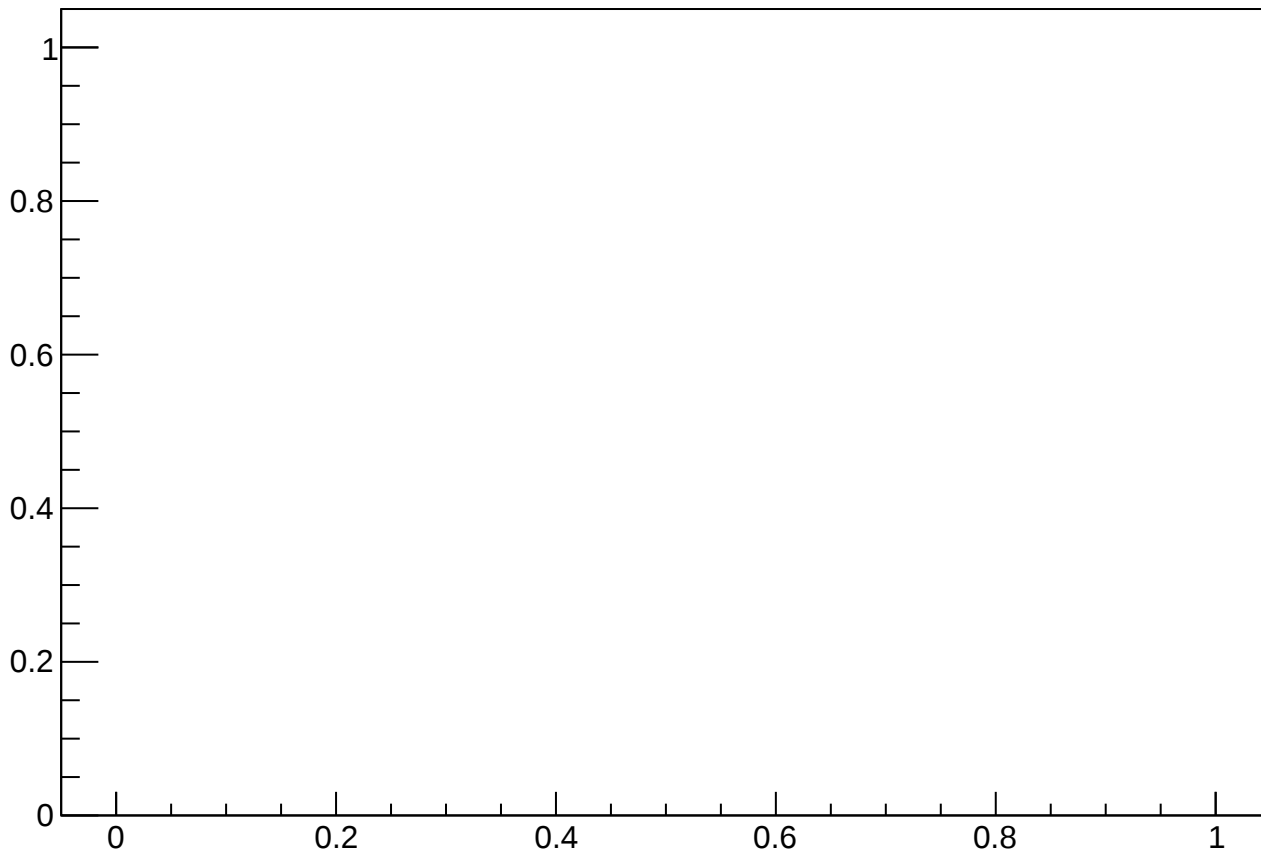
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

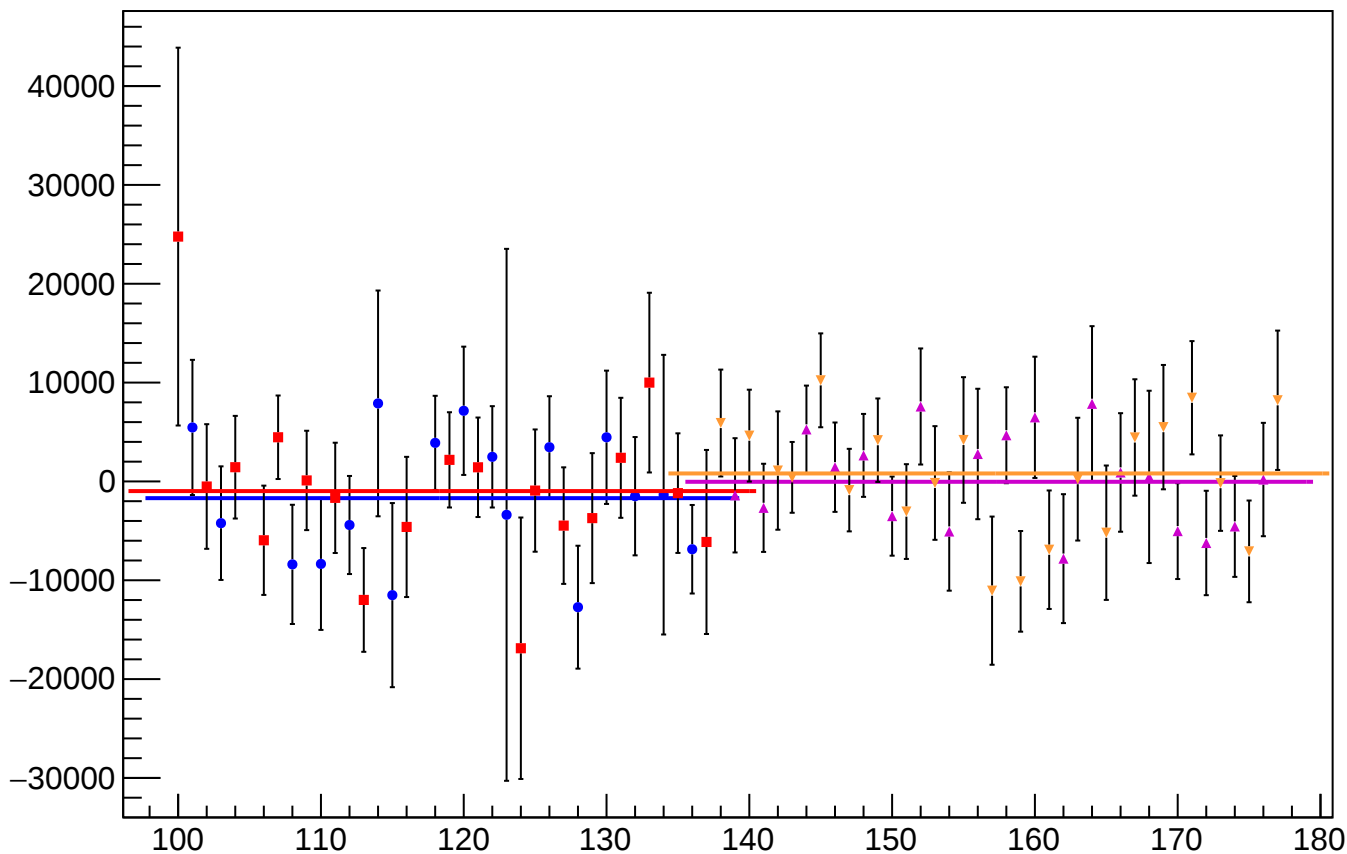
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 806.857 ± 1147.347 $\chi^2/\text{NDF}: 23.0/20$

Right Out: -977.899 ± 1378.874 $\chi^2/\text{NDF}: 13.9/18$

Left In: -37.339 ± 1216.289 $\chi^2/\text{NDF}: 13.4/18$

Left: 409.362 ± 834.606 $\chi^2/\text{NDF}: 36.7/39$

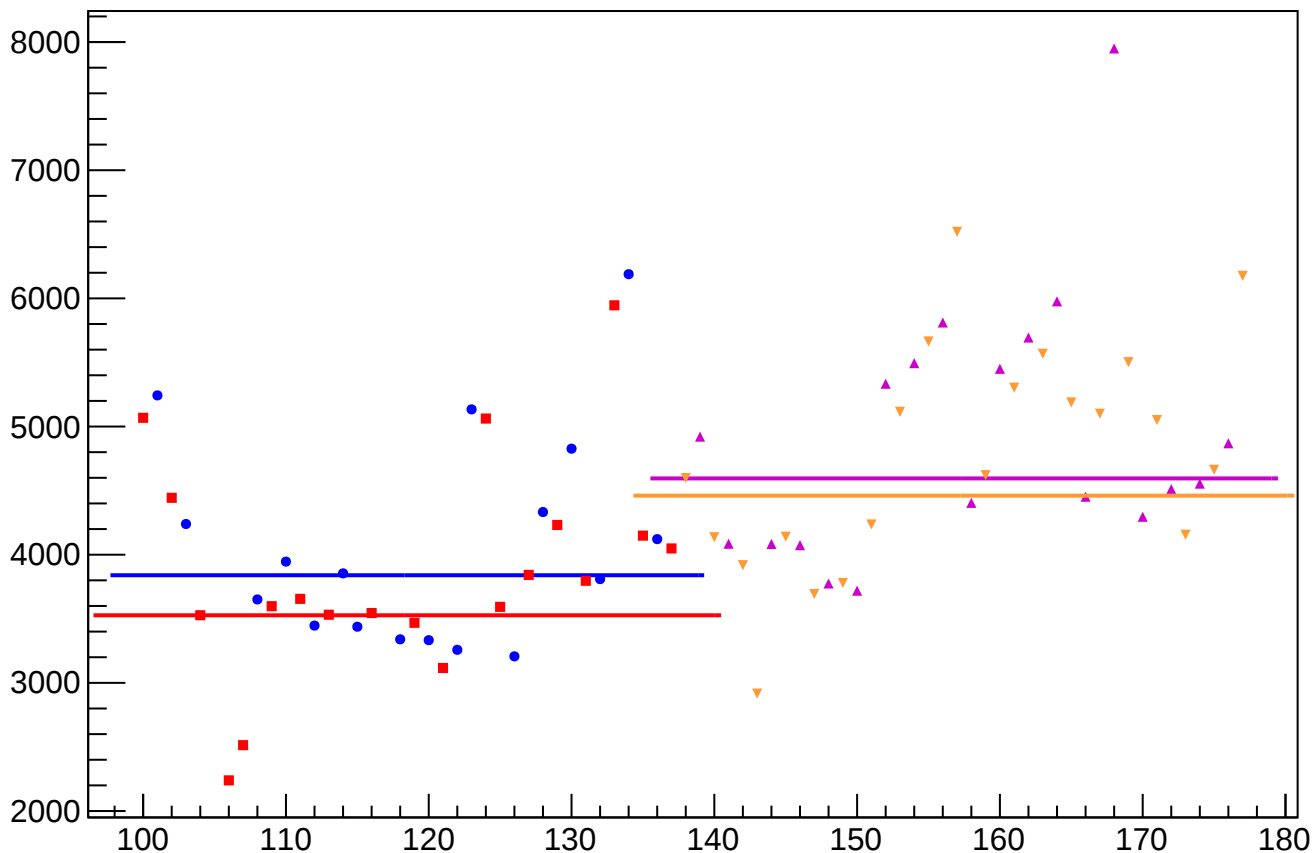
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In: -687.157 ± 947.944 $\chi^2/\text{NDF}: 30.0/35$

Out: 76.689 ± 881.956 $\chi^2/\text{NDF}: 38.0/39$

All: -277.725 ± 645.706 $\chi^2/\text{NDF}: 68.3/75$

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: 4460.832+/-0.811 χ^2/NDF : 1137770.4/20

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4595.188+/-0.860 χ^2/NDF : 873441.6/18

Left: 4524.094+/-0.590 χ^2/NDF : 2024125.4/39

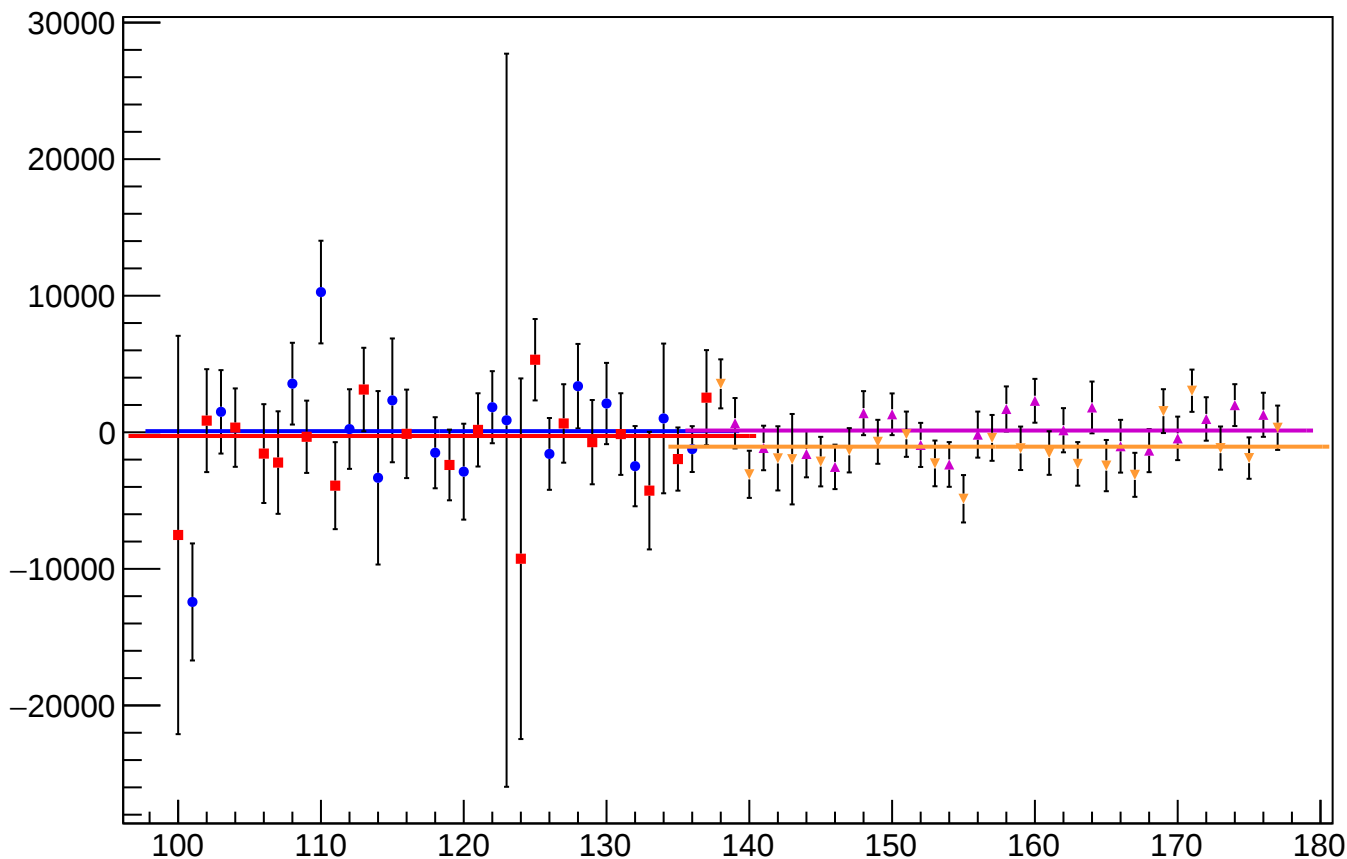
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4298.612+/-0.670 χ^2/NDF : 1502295.0/35

Out: 4074.792+/-0.621 χ^2/NDF : 2240067.2/39

All: 4178.224+/-0.456 χ^2/NDF : 3802335.0/75

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: -1052.742 ± 370.988 $\chi^2/\text{NDF}: 28.0/20$

Right Out: -272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

Left In: 128.835 ± 378.084 $\chi^2/\text{NDF}: 15.5/18$

Left: -473.145 ± 264.801 $\chi^2/\text{NDF}: 48.5/39$

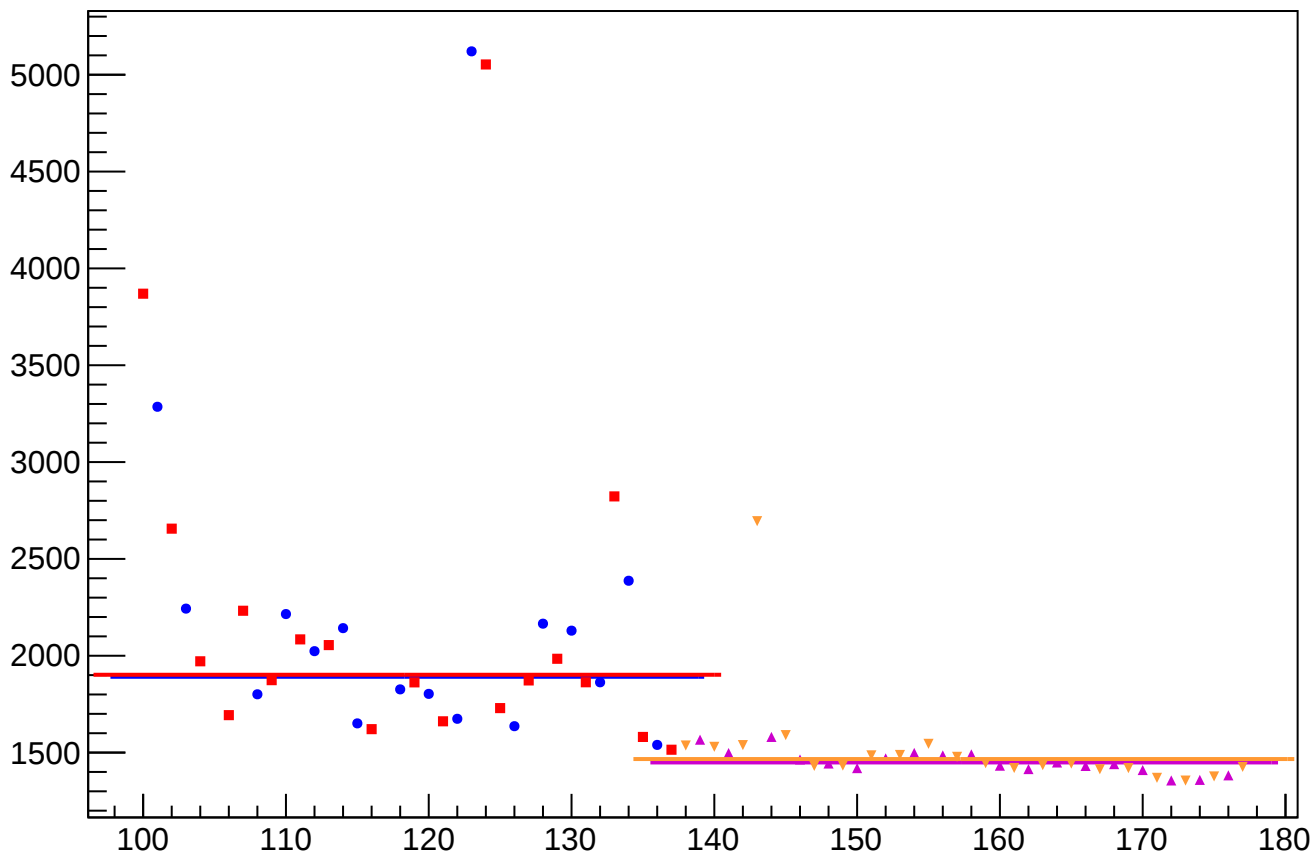
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: 119.732 ± 337.661 $\chi^2/\text{NDF}: 38.4/35$

Out: -894.059 ± 331.110 $\chi^2/\text{NDF}: 39.1/39$

All: -397.094 ± 236.412 $\chi^2/\text{NDF}: 82.1/75$

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: 1466.614+/-0.262 χ^2/NDF : 331607.4/20

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1449.033+/-0.267 χ^2/NDF : 46779.0/18

Left: 1457.990+/-0.187 χ^2/NDF : 380589.7/39

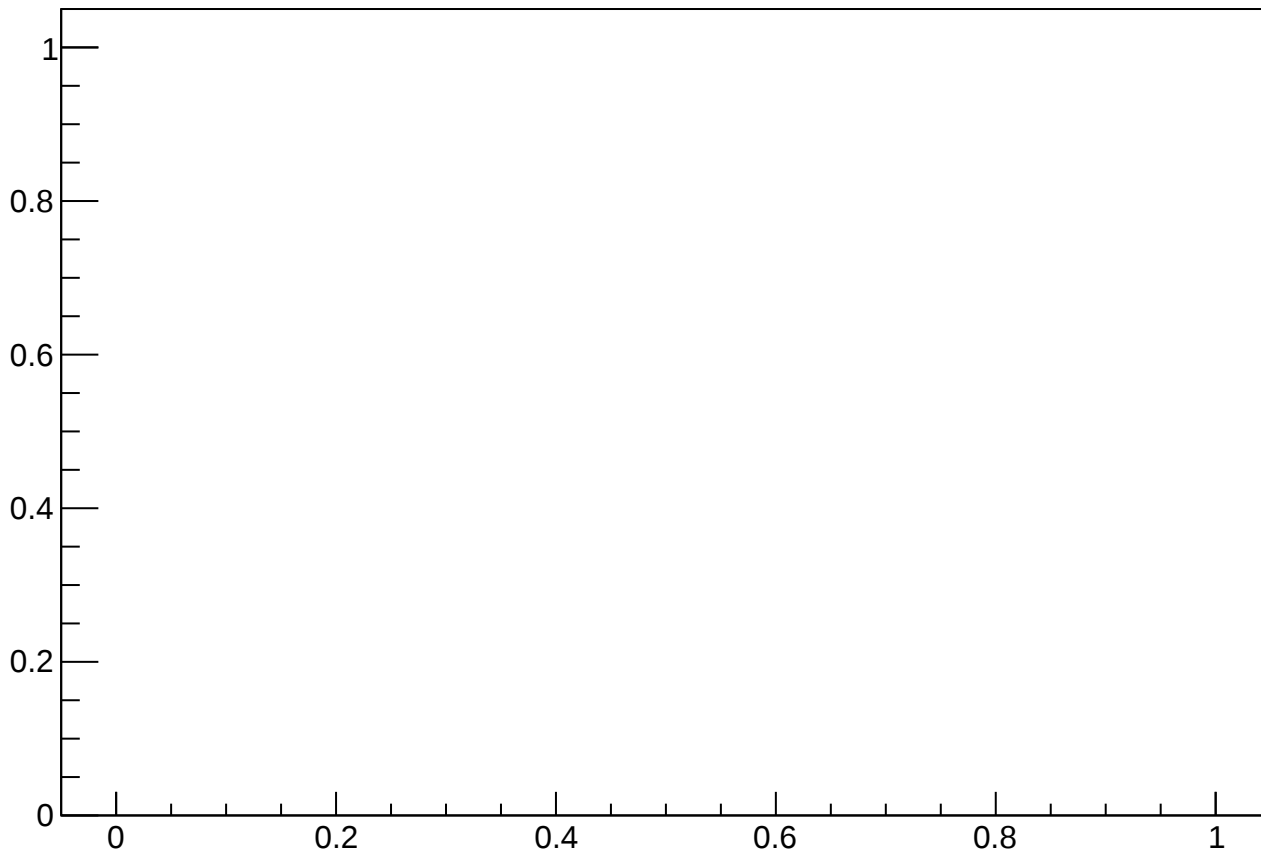
Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1538.586+/-0.239 χ^2/NDF : 1065659.3/35

Out: 1555.146+/-0.234 χ^2/NDF : 1352155.9/39

All: 1547.028+/-0.167 χ^2/NDF : 2420267.3/75

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

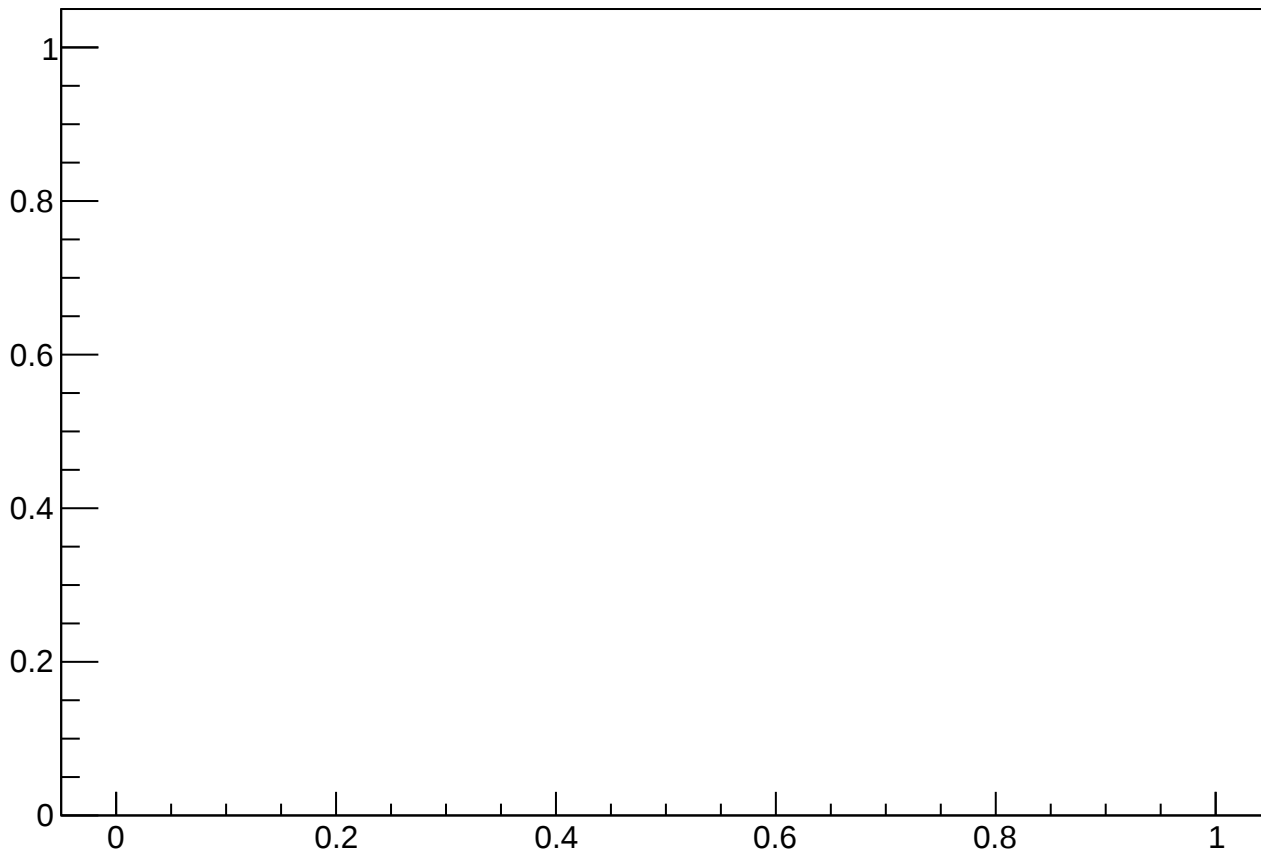
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

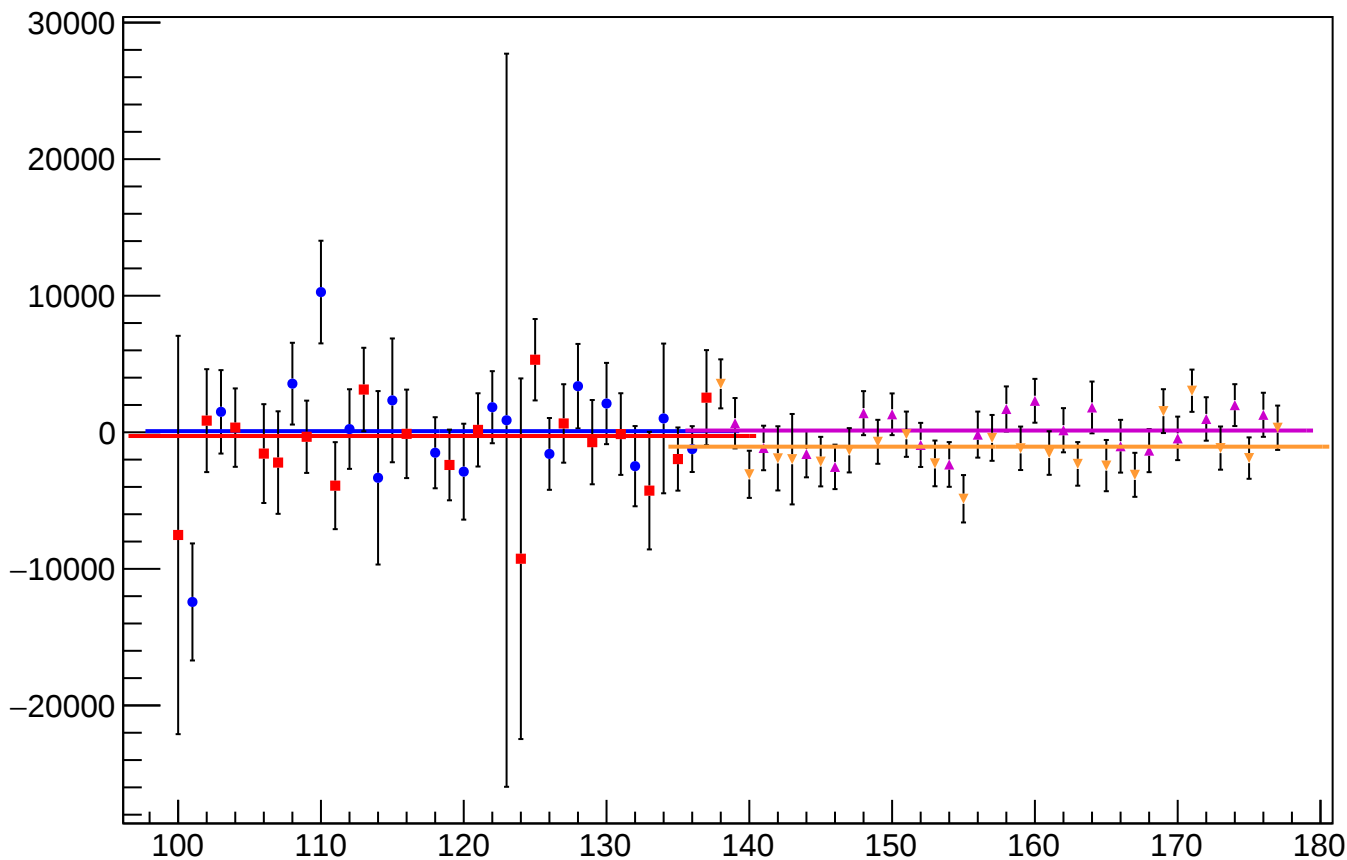
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -1052.742 ± 370.988 $\chi^2/\text{NDF}: 28.0/20$

Right Out: -272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

Left In: 128.835 ± 378.084 $\chi^2/\text{NDF}: 15.5/18$

Left: -473.145 ± 264.801 $\chi^2/\text{NDF}: 48.5/39$

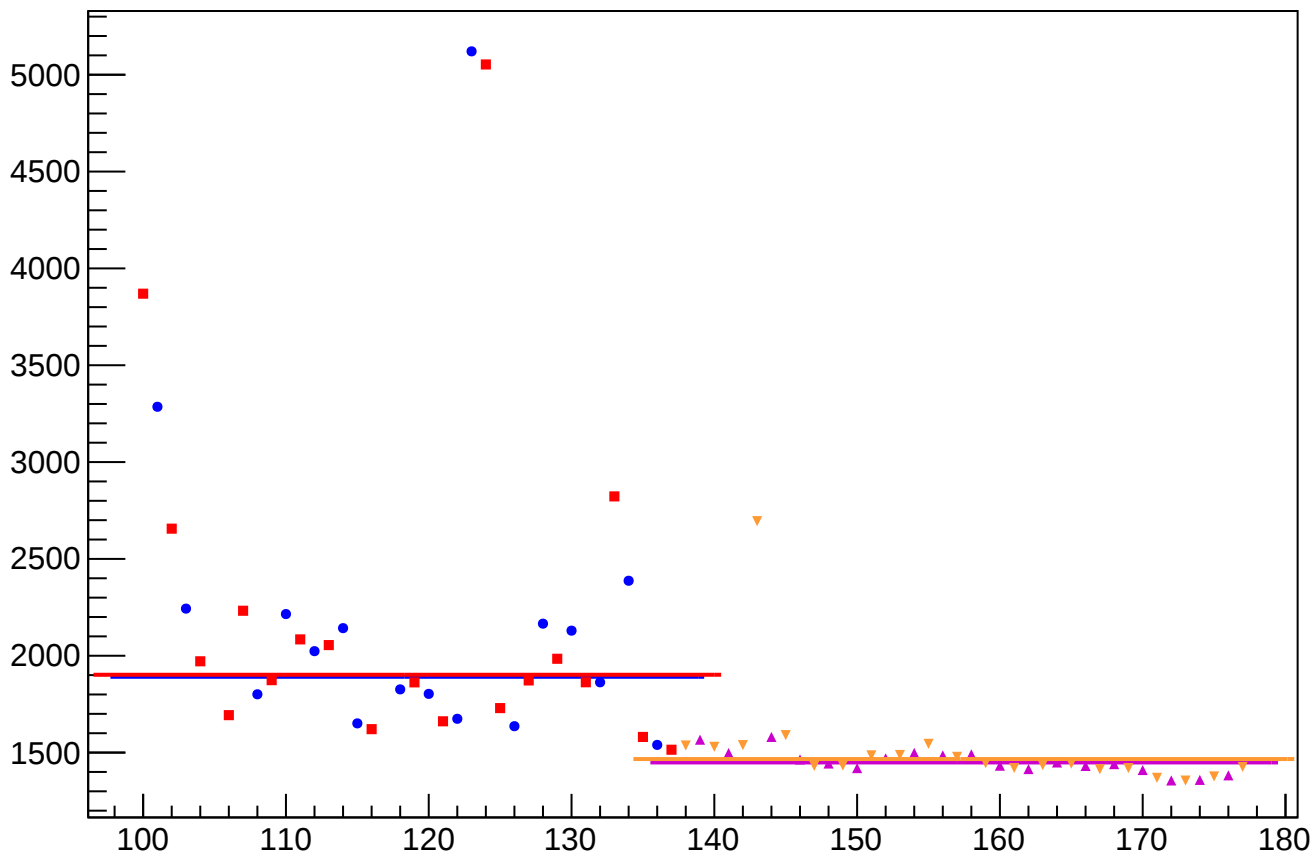
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: 119.732 ± 337.661 $\chi^2/\text{NDF}: 38.4/35$

Out: -894.059 ± 331.110 $\chi^2/\text{NDF}: 39.1/39$

All: -397.094 ± 236.412 $\chi^2/\text{NDF}: 82.1/75$

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: 1466.614+/-0.262 χ^2/NDF : 331607.4/20

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Left: 1457.990+/-0.187 χ^2/NDF : 380589.7/39

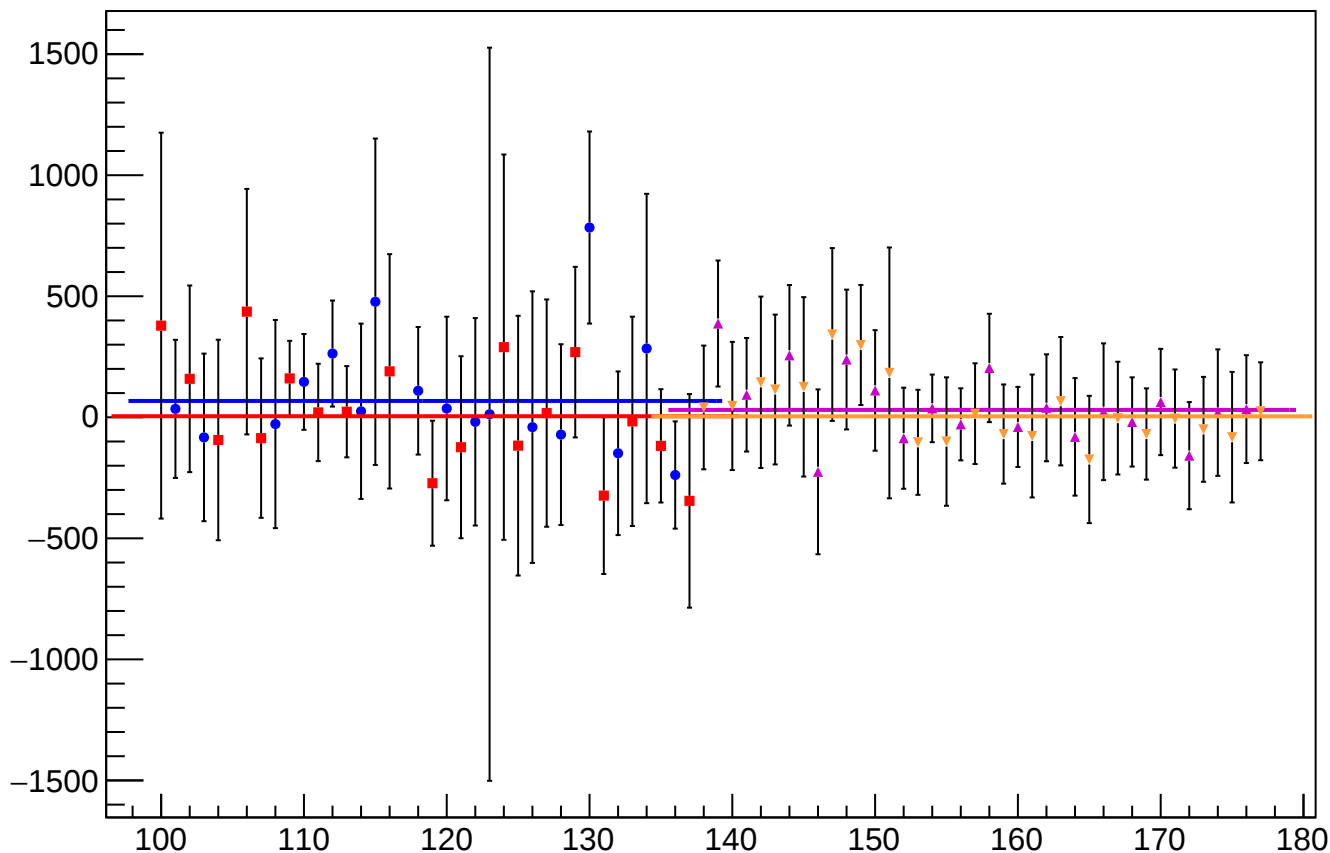
Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1538.586+/-0.239 χ^2/NDF : 1065659.3/35

Out: 1555.146+/-0.234 χ^2/NDF : 1352155.9/39

All: 1547.028+/-0.167 χ^2/NDF : 2420267.3/75

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 4.023 $\pm$ 54.224 χ^2 /NDF:4.3/20

Right Out: 4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

Left In: 30.424 $\pm$ 49.217 χ^2 /NDF:6.0/18

Left: 18.498 $\pm$ 36.443 χ^2 /NDF: 10.5/39

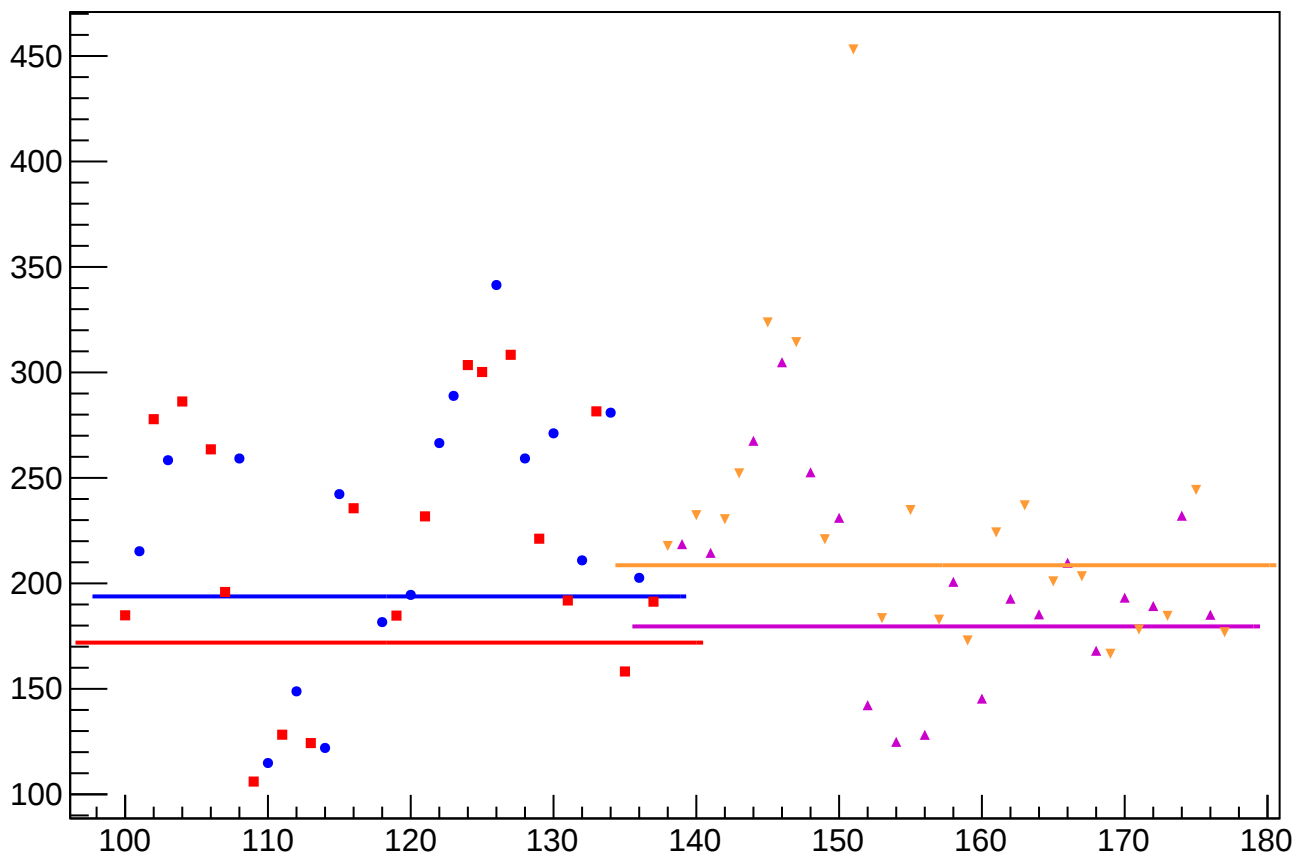
Right: 31.949 $\pm$ 52.572 χ^2 /NDF: 14.2/35

In: 40.688 $\pm$ 41.862 χ^2 /NDF:13.7/35

Out: 4.173 $\pm$ 42.869 χ^2 /NDF:10.7/39

All: 22.864 $\pm$ 29.951 χ^2 /NDF: 24.8/75

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 208.600+/-0.038 χ^2/NDF :1308732.4/20

Right Out: 171.920+/-0.050 χ^2/NDF : 1577076.0/18

Left In: 179.600+/-0.035 χ^2/NDF :1602086.8/18

Left: 192.699+/-0.026 χ^2/NDF : 3224457.3/39

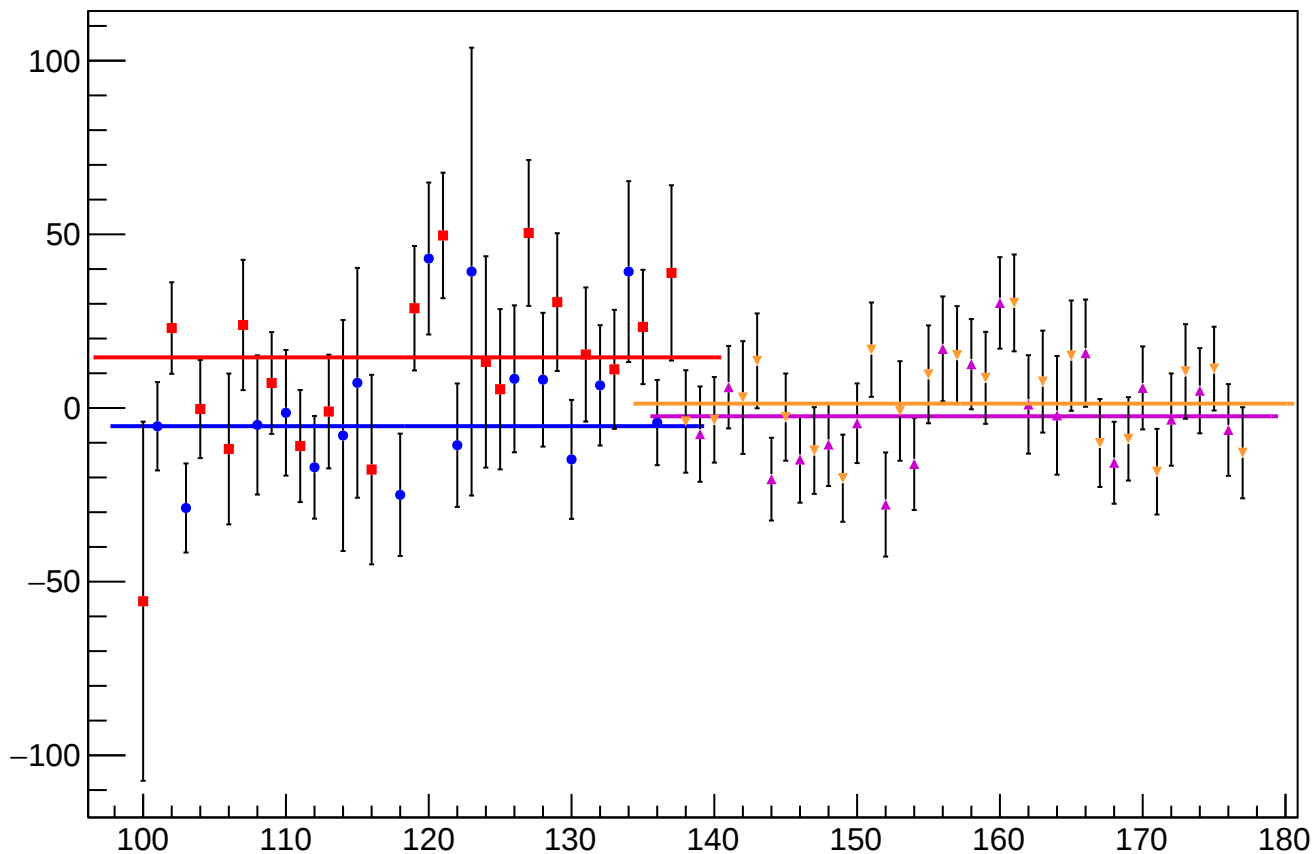
Right: 181.469+/-0.037 χ^2/NDF : 2672713.5/35

In: 183.531+/-0.030 χ^2/NDF :2658546.1/35

Out: 194.846+/-0.030 χ^2/NDF :3228951.4/39

All: 189.054+/-0.021 χ^2/NDF : 5958818.2/75

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 1.258 ± 2.922 $\chi^2/\text{NDF}: 19.9/20$

Right Out: 14.579 ± 4.265 $\chi^2/\text{NDF}: 19.5/18$

Left In: -2.386 ± 2.994 $\chi^2/\text{NDF}: 21.2/18$

Left: -0.520 ± 2.091 $\chi^2/\text{NDF}: 41.8/39$

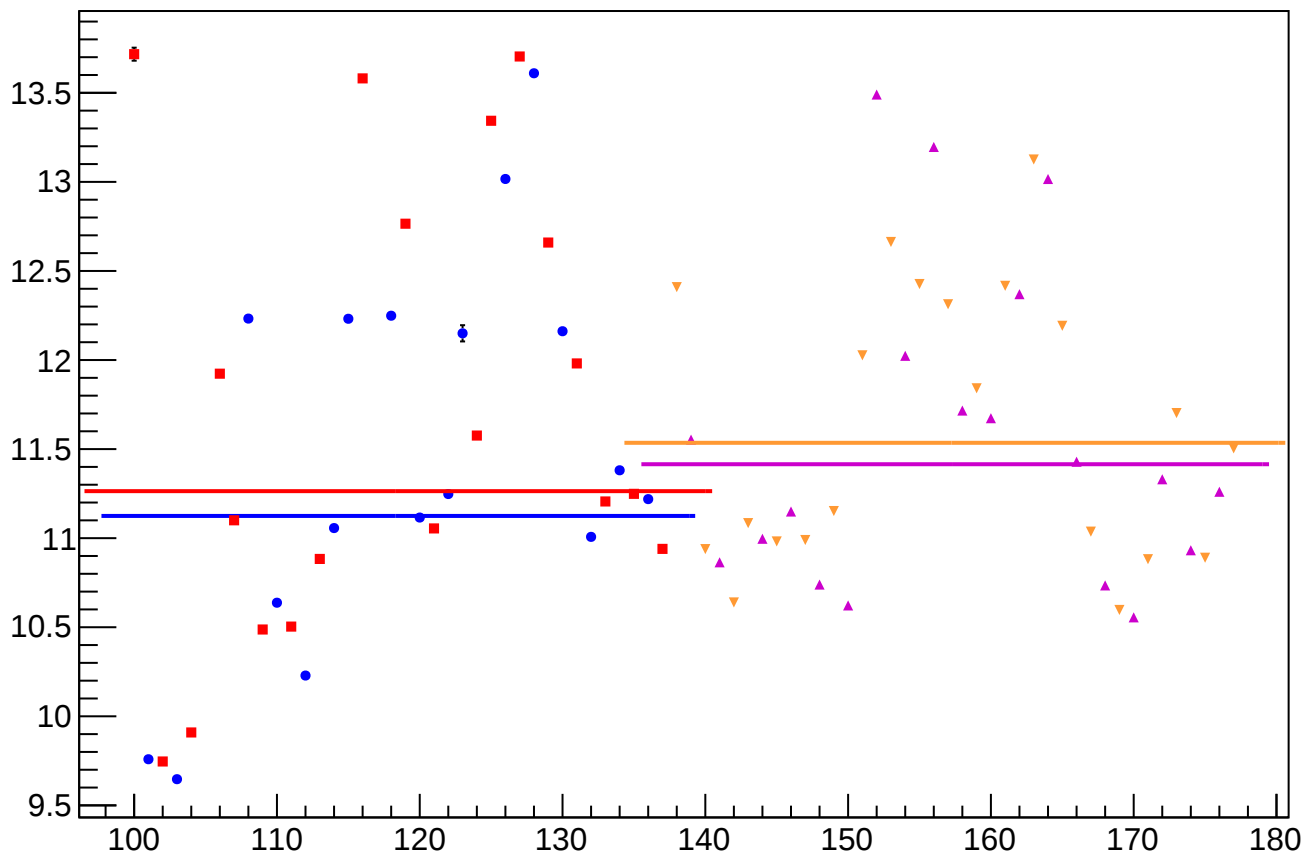
Right: 4.883 ± 3.047 $\chi^2/\text{NDF}: 45.6/35$

In: -3.299 ± 2.468 $\chi^2/\text{NDF}: 36.9/35$

Out: 5.513 ± 2.411 $\chi^2/\text{NDF}: 46.1/39$

All: 1.210 ± 1.724 $\chi^2/\text{NDF}: 89.5/75$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125+/-0.003 χ^2/NDF : 132520.1/16

Left Out: 11.535+/-0.002 χ^2/NDF : 121576.3/20

Right Out: 11.264+/-0.003 χ^2/NDF : 147733.2/18

Left In: 11.415+/-0.002 χ^2/NDF : 143098.4/18

Left: 11.477+/-0.001 χ^2/NDF : 266327.8/39

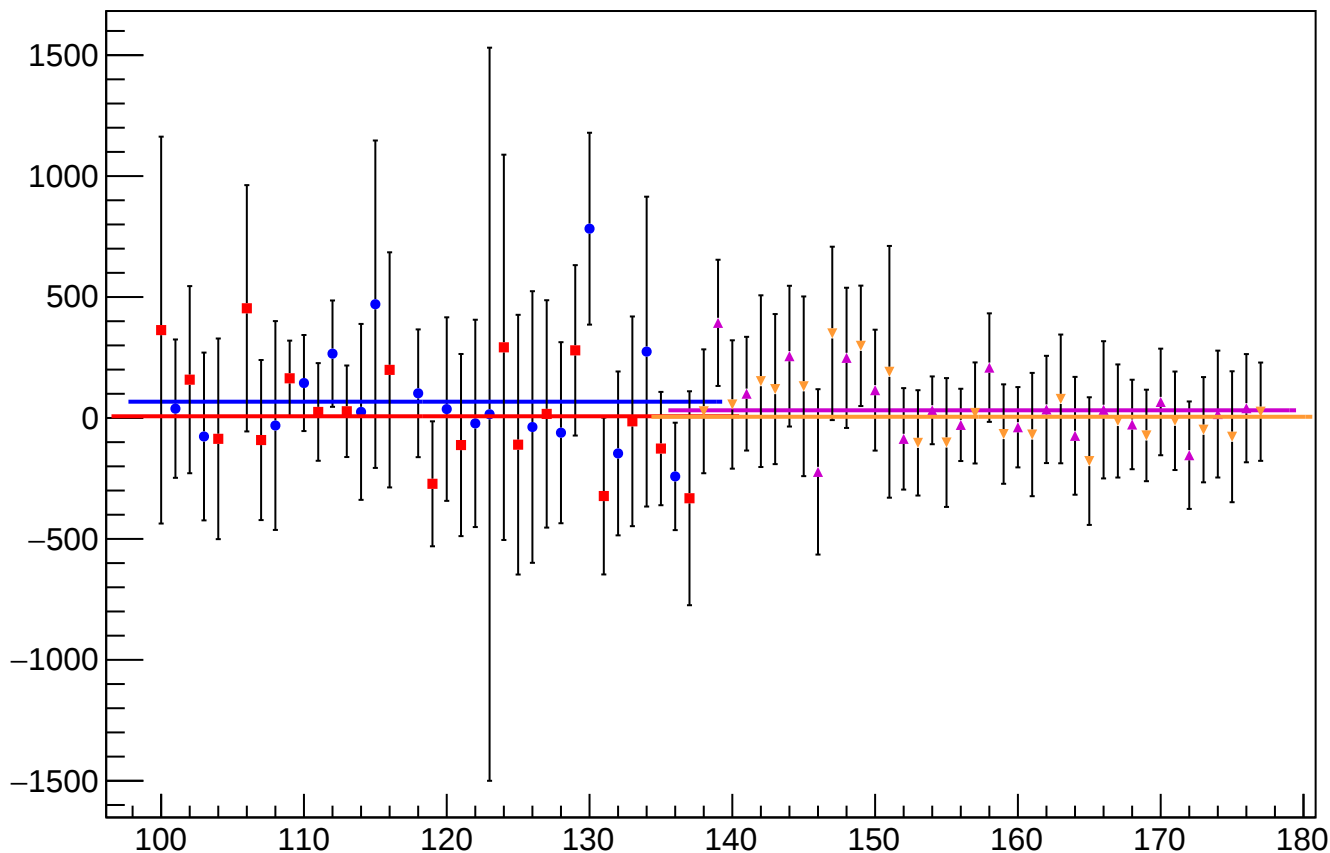
Right: 11.196+/-0.002 χ^2/NDF : 281295.0/35

In: 11.322+/-0.002 χ^2/NDF : 281648.6/35

Out: 11.449+/-0.002 χ^2/NDF : 274820.7/39

All: 11.387+/-0.001 χ^2/NDF : 559168.4/75

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: 4.938 $\pm$ 54.421 χ^2 /NDF:4.4/20

Right Out: 7.039 $\pm$ 70.212 χ^2 /NDF: 6.4/18

Left In: 31.761 $\pm$ 49.389 χ^2 /NDF:6.1/18

Left: 19.647 $\pm$ 36.573 χ^2 /NDF: 10.7/39

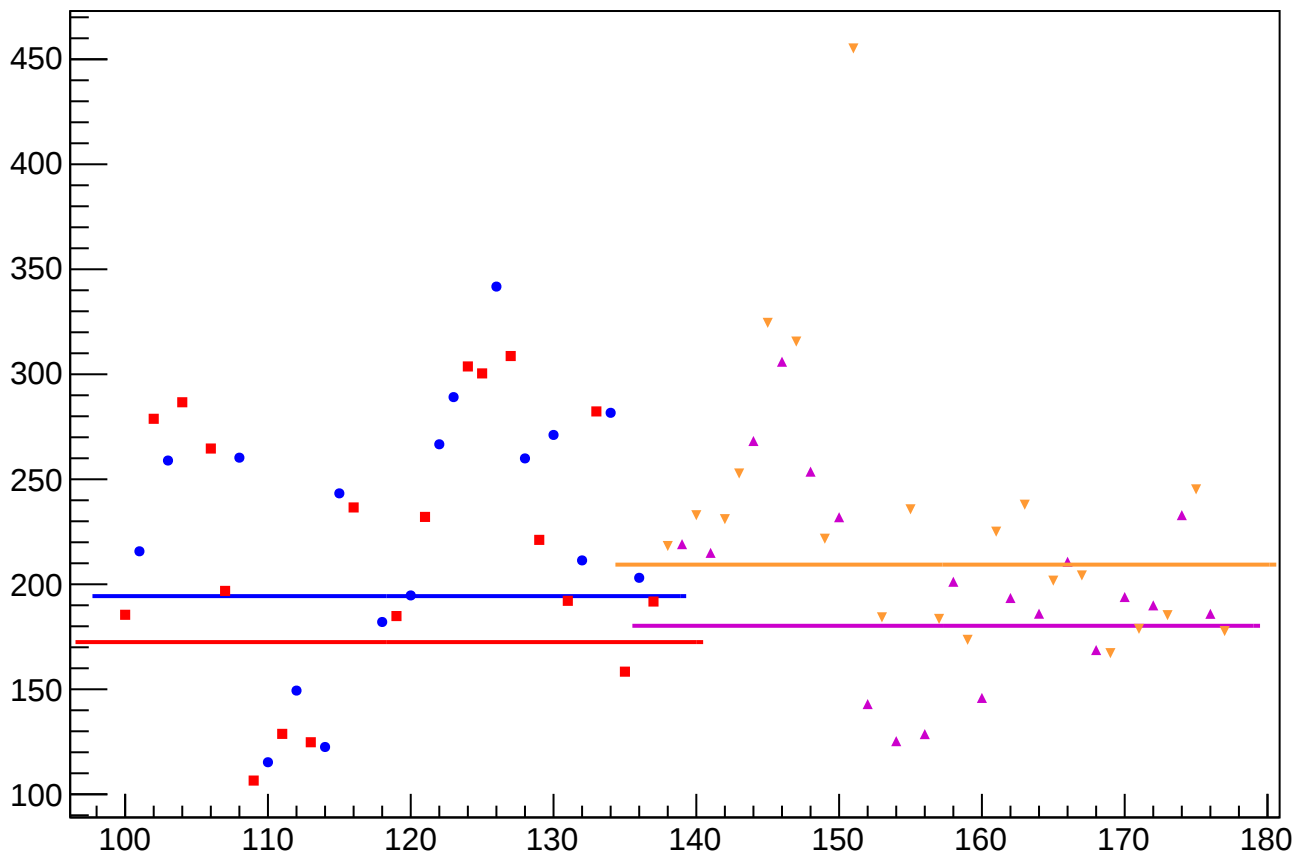
Right: 33.329 $\pm$ 52.718 χ^2 /NDF: 14.2/35

In: 41.602 $\pm$ 41.999 χ^2 /NDF:13.7/35

Out: 5.727 $\pm$ 43.013 χ^2 /NDF:10.9/39

All: 24.092 $\pm$ 30.050 χ^2 /NDF: 25.0/75

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: 209.362+/-0.038 χ^2/NDF :1306819.4/20

Right Out: 172.471+/-0.050 χ^2/NDF : 1569648.4/18

Left In: 180.236+/-0.035 χ^2/NDF :1600373.9/18

Left: 193.390+/-0.026 χ^2/NDF : 3221330.2/39

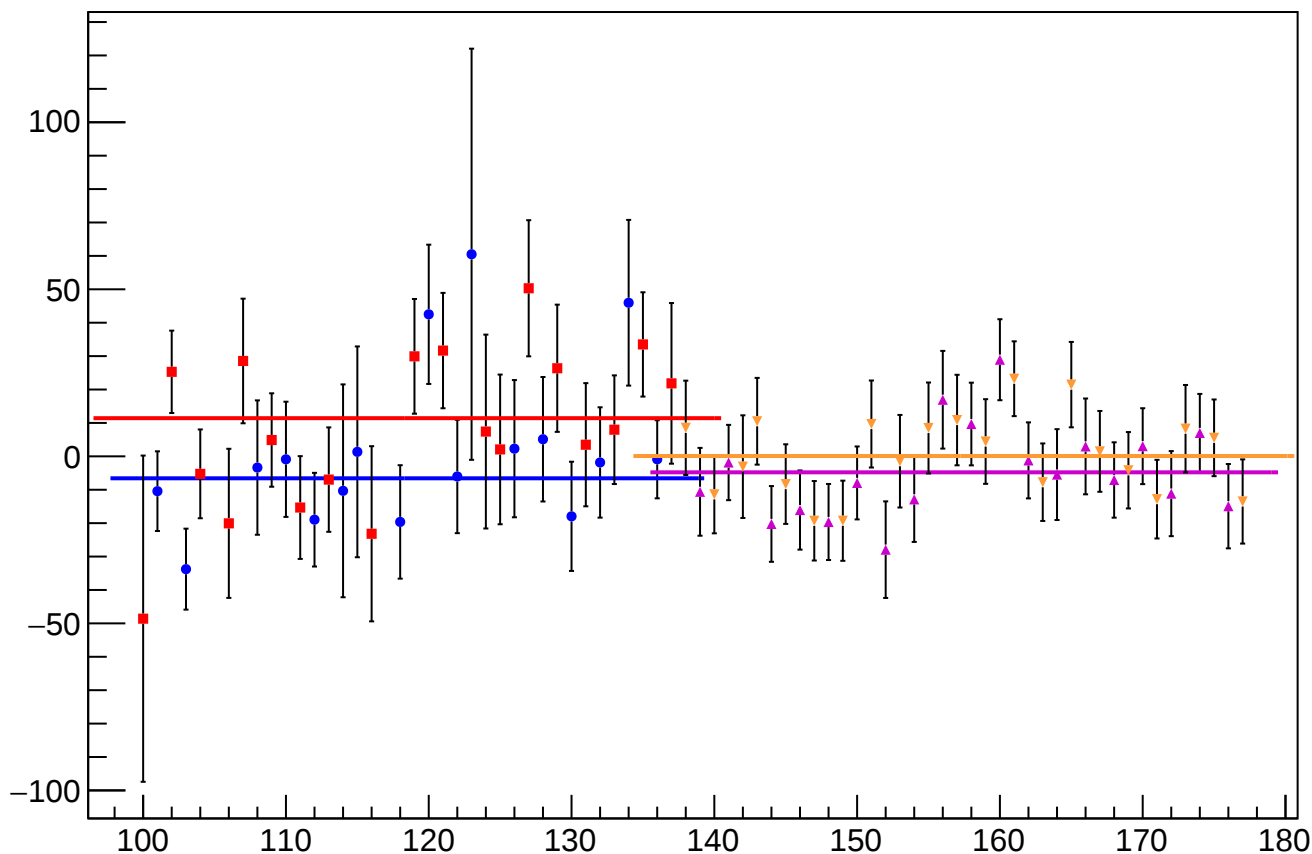
Right: 182.022+/-0.037 χ^2/NDF : 2659717.0/35

In: 184.148+/-0.030 χ^2/NDF :2650928.8/35

Out: 195.517+/-0.030 χ^2/NDF :3221373.9/39

All: 189.697+/-0.021 χ^2/NDF : 5943829.3/75

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: 0.091 ± 2.724 $\chi^2/\text{NDF}: 20.1/20$

Right Out: 11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

Left In: -4.786 ± 2.806 $\chi^2/\text{NDF}: 21.9/18$

Left: -2.275 ± 1.955 $\chi^2/\text{NDF}: 43.6/39$

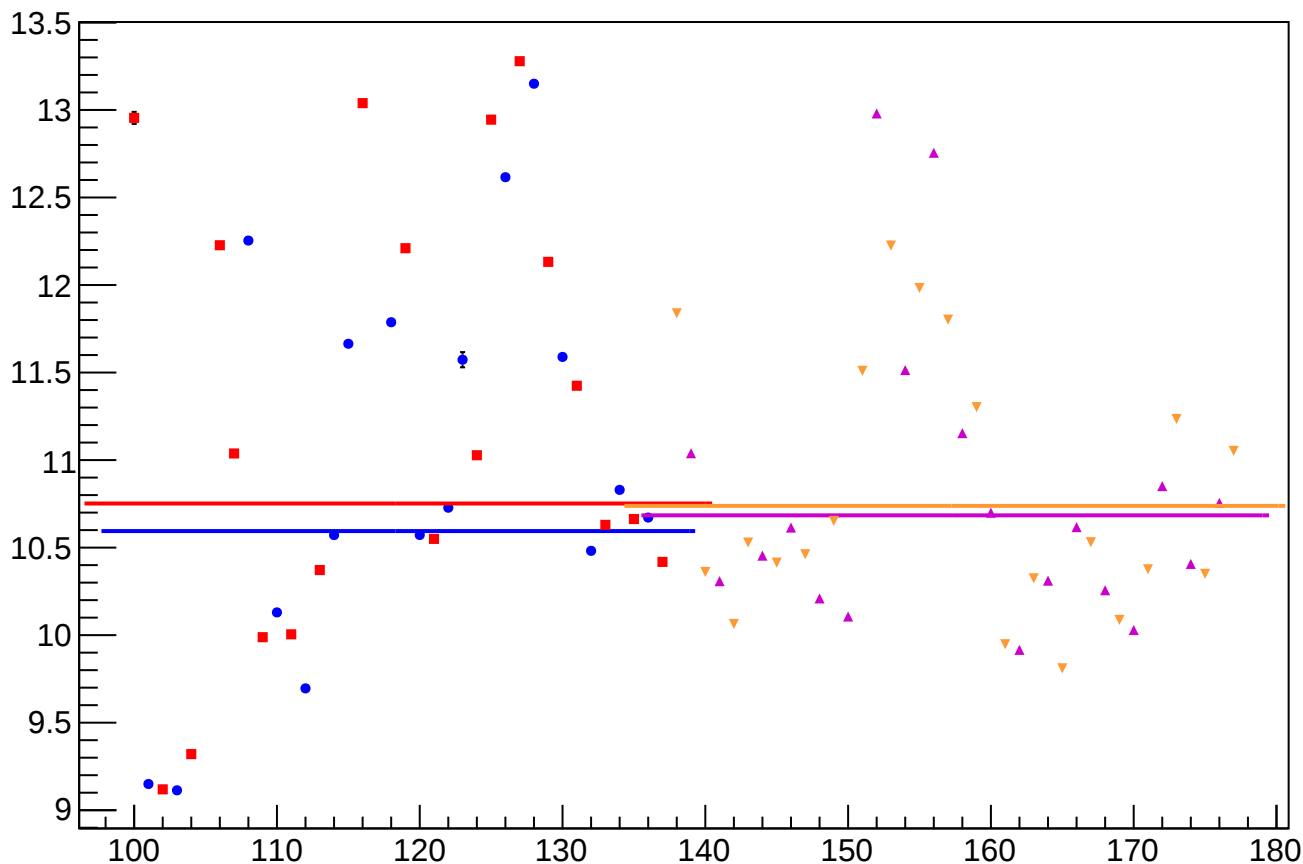
Right: 2.593 ± 2.912 $\chi^2/\text{NDF}: 51.8/35$

In: -5.346 ± 2.326 $\chi^2/\text{NDF}: 41.4/35$

Out: 3.586 ± 2.266 $\chi^2/\text{NDF}: 48.4/39$

All: -0.763 ± 1.623 $\chi^2/\text{NDF}: 97.3/75$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.738 $\pm$ 0.002 χ^2 /NDF:122784.2/20

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

Left In: 10.684 $\pm$ 0.002 χ^2 /NDF:137329.1/18

Left: 10.712 $\pm$ 0.001 χ^2 /NDF: 260496.4/39

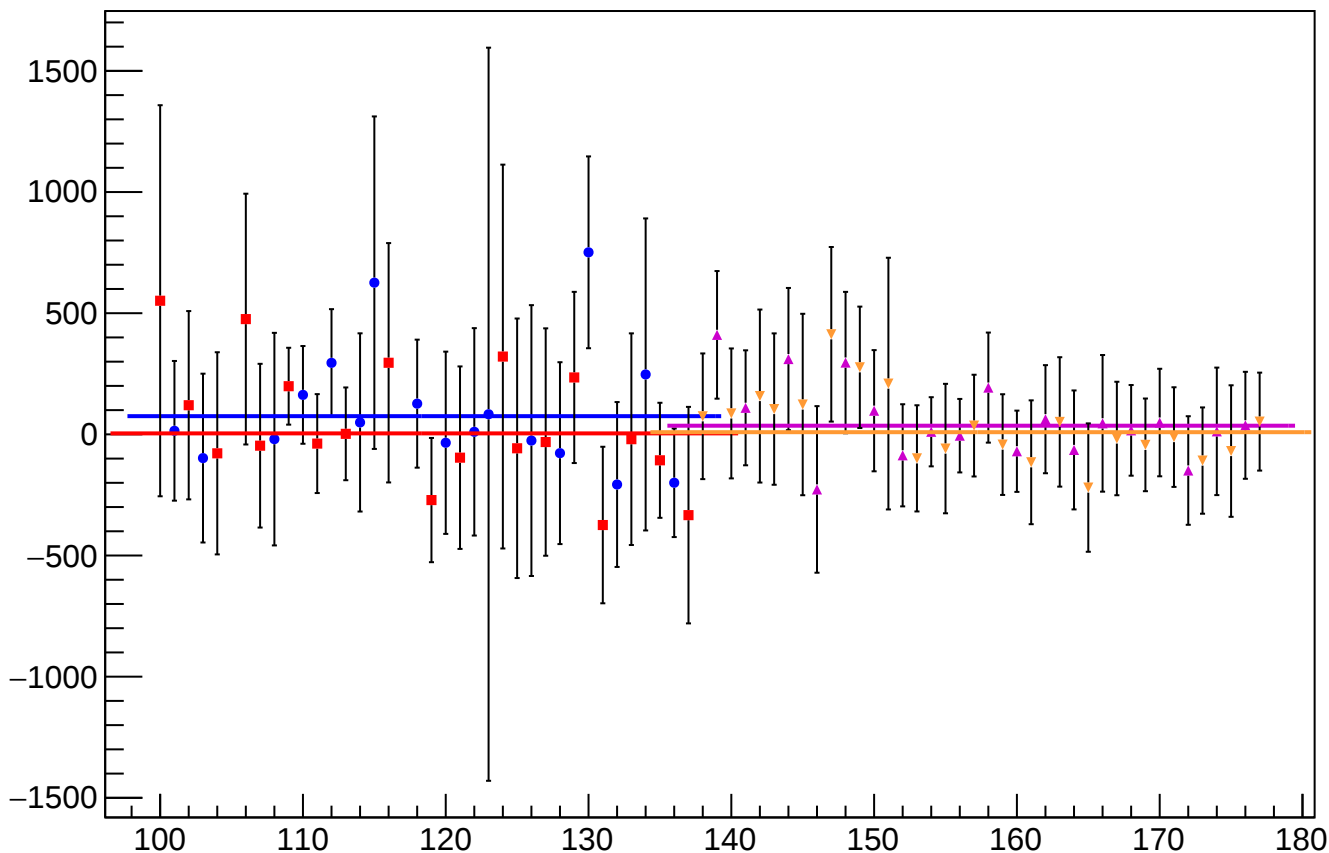
Right: 10.675 $\pm$ 0.002 χ^2 /NDF: 338695.4/35

In: 10.656 $\pm$ 0.002 χ^2 /NDF:298029.2/35

Out: 10.743 $\pm$ 0.002 χ^2 /NDF:299972.6/39

All: 10.701 $\pm$ 0.001 χ^2 /NDF: 599419.3/75

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: 8.959+/-54.742 χ^2/NDF :5.0/20

Right Out: 3.999+/-70.883 χ^2/NDF : 7.3/18

Left In: 35.701+/-49.808 χ^2/NDF :6.6/18

Left: 23.589+/-36.841 χ^2/NDF : 11.7/39

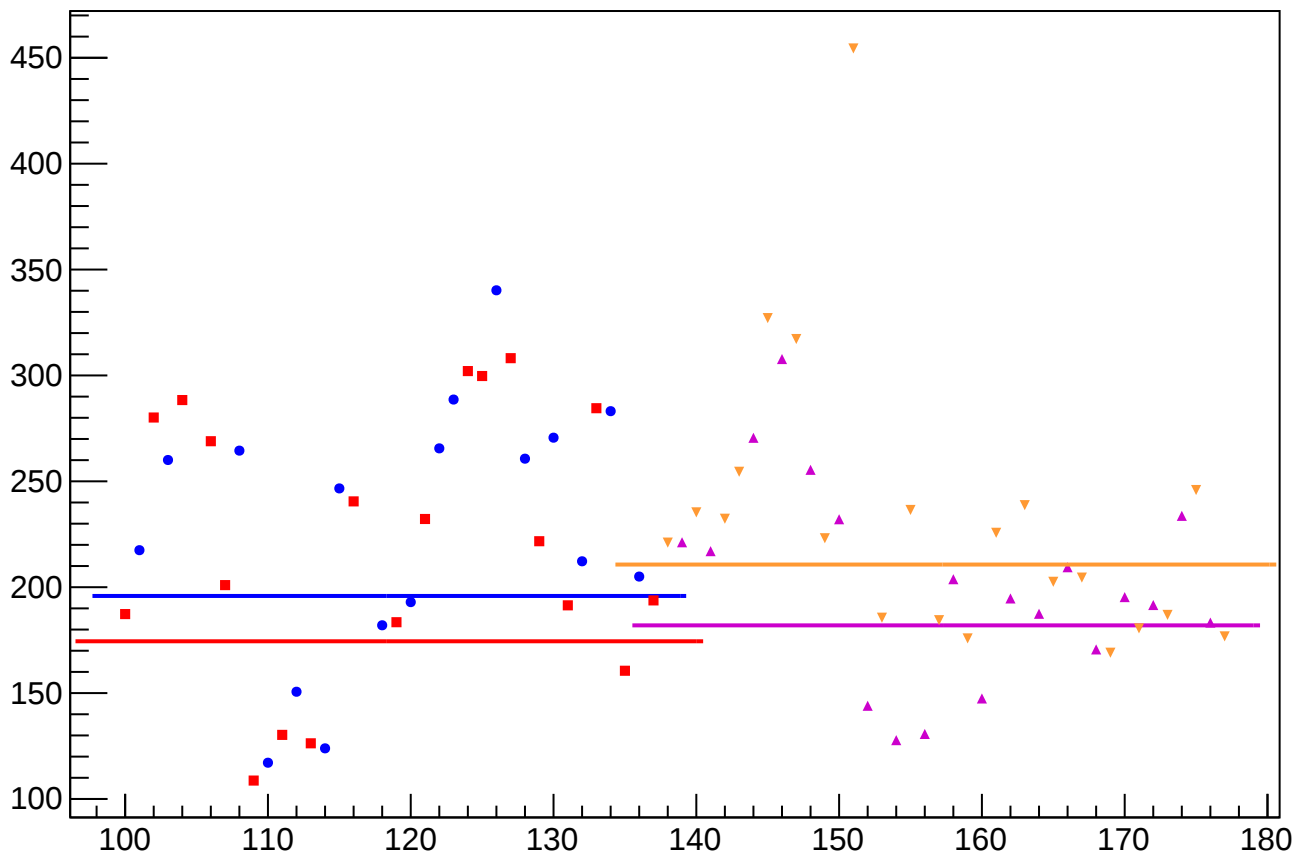
Right: 35.109+/-53.156 χ^2/NDF : 15.5/35

In: 46.633+/-42.334 χ^2/NDF :14.5/35

Out: 7.106+/-43.326 χ^2/NDF :12.3/39

All: 27.327+/-30.279 χ^2/NDF : 27.2/75

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 ± 0.057 $\chi^2/\text{NDF}: 979247.4/16$

Left Out: 210.700 ± 0.039 $\chi^2/\text{NDF}: 1296047.0/20$

Right Out: 174.465 ± 0.050 $\chi^2/\text{NDF}: 1528778.5/18$

Left In: 181.979 ± 0.035 $\chi^2/\text{NDF}: 1552357.7/18$

Left: 194.987 ± 0.026 $\chi^2/\text{NDF}: 3149585.7/39$

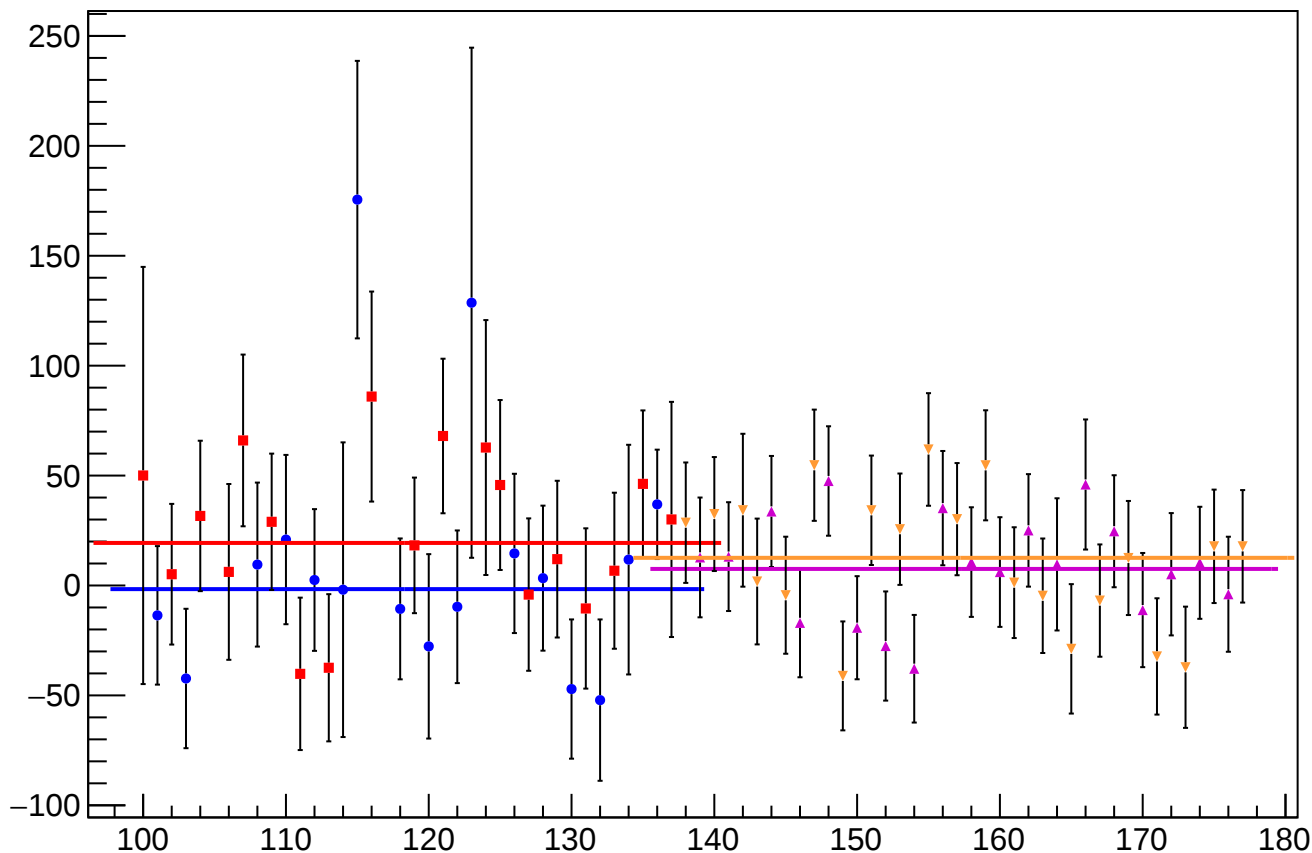
Right: 183.832 ± 0.038 $\chi^2/\text{NDF}: 2587830.9/35$

In: 185.835 ± 0.030 $\chi^2/\text{NDF}: 2574778.5/35$

Out: 197.162 ± 0.031 $\chi^2/\text{NDF}: 3152192.9/39$

All: 191.367 ± 0.021 $\chi^2/\text{NDF}: 5796911.4/75$

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 12.580 ± 5.745 χ^2/NDF : 26.8/20

Right Out: 19.357 ± 8.556 χ^2/NDF : 14.8/18

Left In: 7.532 ± 5.904 χ^2/NDF : 16.0/18

Left: 10.125 ± 4.118 χ^2/NDF : 43.1/39

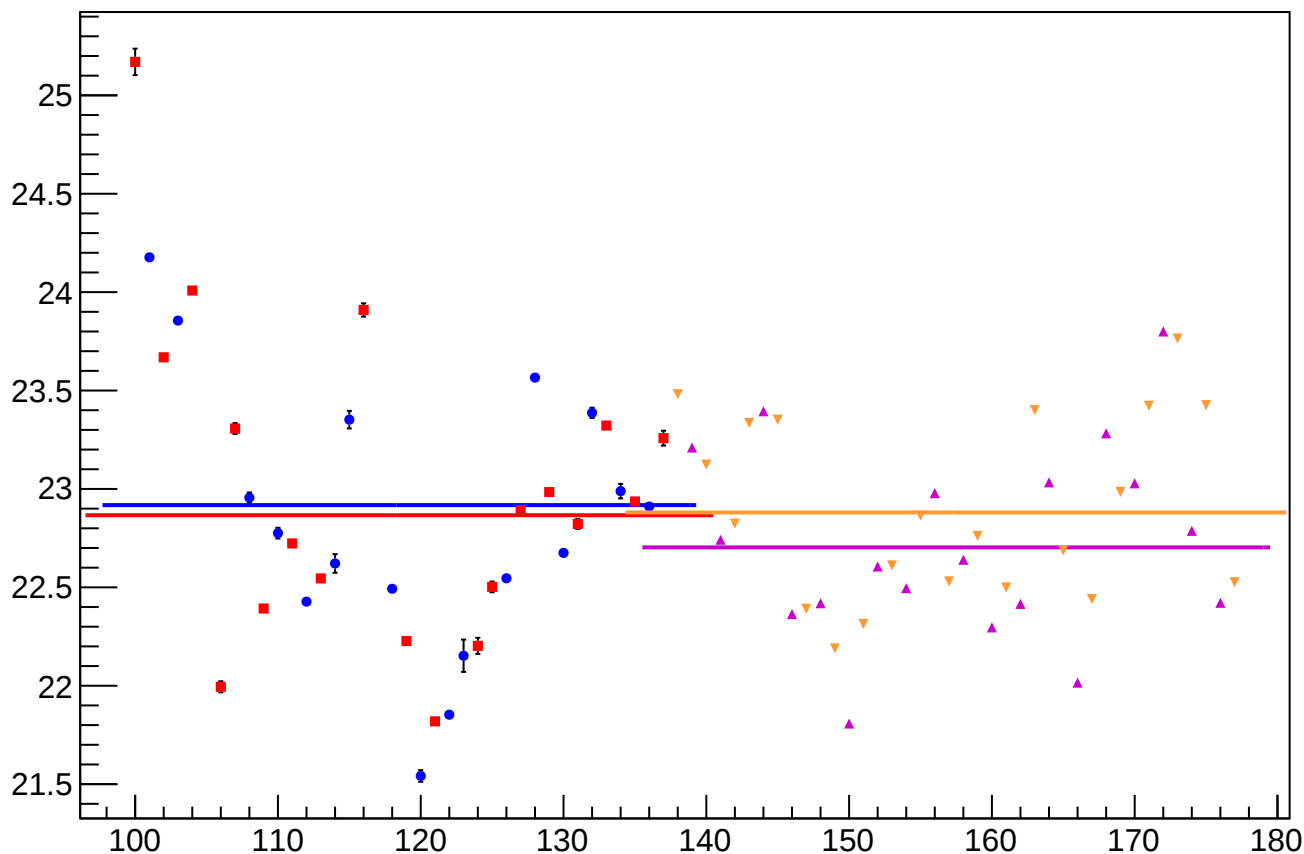
Right: 9.244 ± 6.162 χ^2/NDF : 36.2/35

In: 4.716 ± 4.917 χ^2/NDF : 35.2/35

Out: 14.686 ± 4.770 χ^2/NDF : 42.0/39

All: 9.853 ± 3.424 χ^2/NDF : 79.3/75

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: 22.881 $\pm$ 0.004 χ^2 /NDF:12403.4/20

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

Left In: 22.703 $\pm$ 0.004 χ^2 /NDF:12974.4/18

Left: 22.794 $\pm$ 0.003 χ^2 /NDF: 26306.2/39

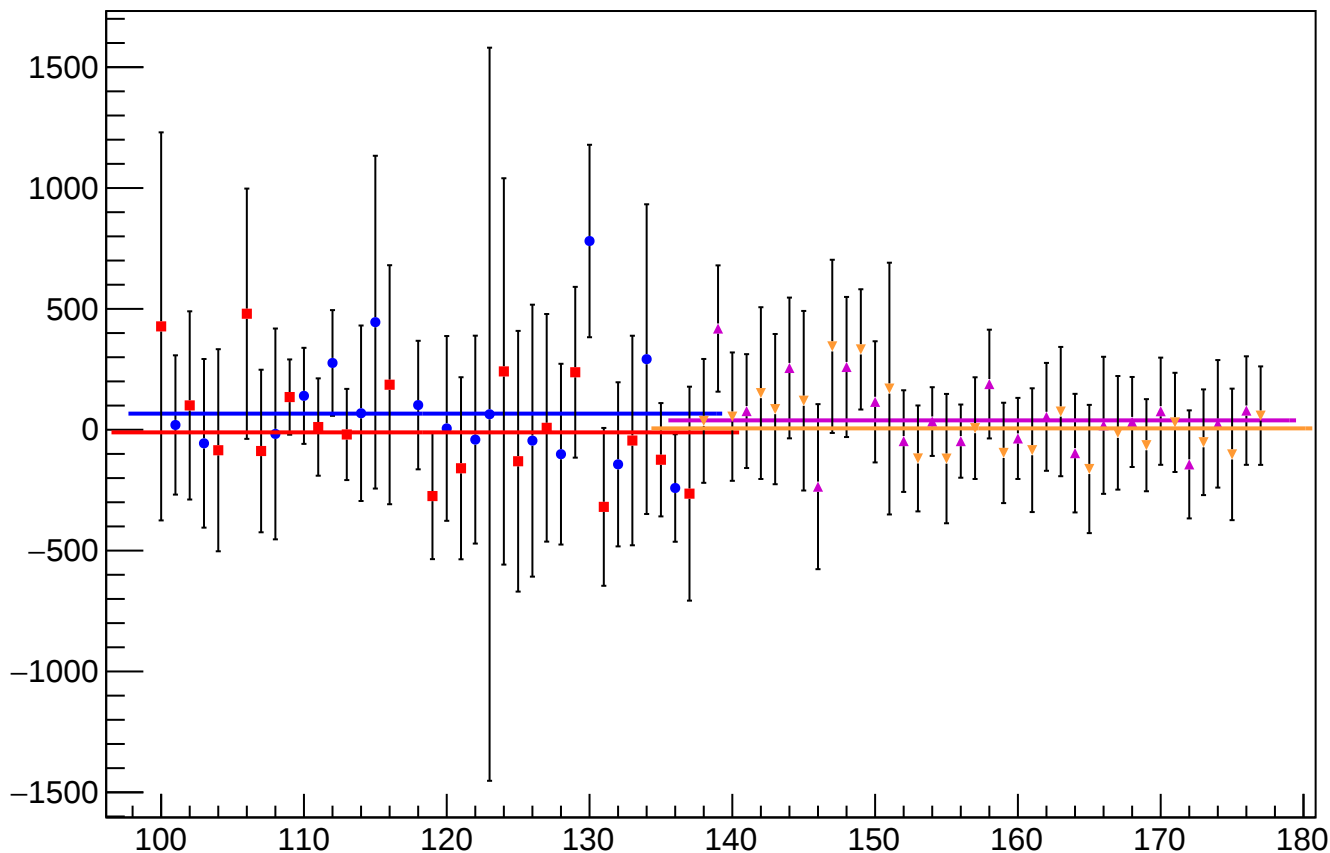
Right: 22.891 $\pm$ 0.004 χ^2 /NDF: 22559.6/35

In: 22.769 $\pm$ 0.003 χ^2 /NDF:25258.4/35

Out: 22.876 $\pm$ 0.003 χ^2 /NDF:23459.7/39

All: 22.824 $\pm$ 0.002 χ^2 /NDF: 49208.4/75

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: 5.641 $\pm$ 54.674 χ^2 /NDF:4.9/20

Right Out: -10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

Left In: 38.816 $\pm$ 49.727 χ^2 /NDF:6.2/18

Left: 23.797 $\pm$ 36.787 χ^2 /NDF: 11.3/39

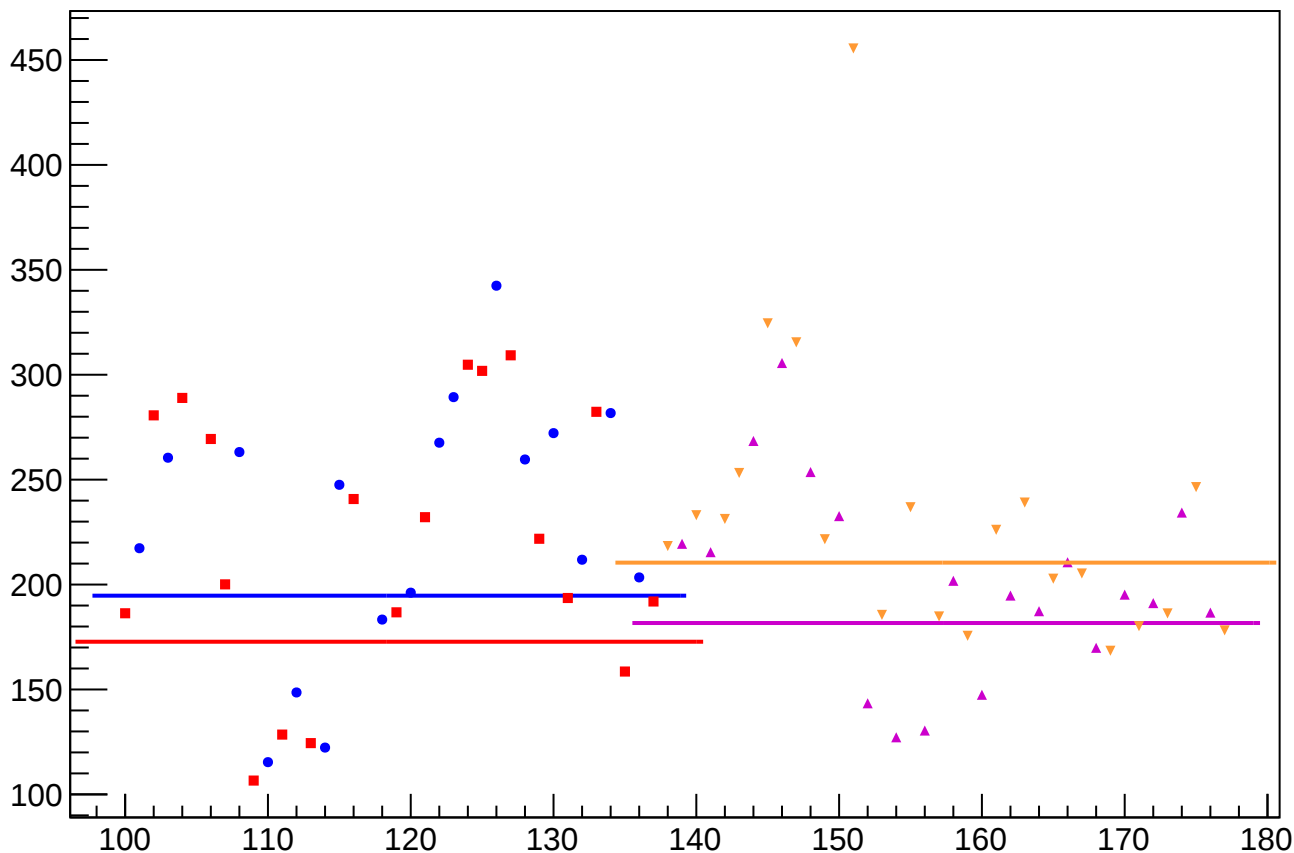
Right: 22.979 $\pm$ 52.843 χ^2 /NDF: 13.8/35

In: 46.588 $\pm$ 42.232 χ^2 /NDF:13.8/35

Out: -0.572 $\pm$ 43.178 χ^2 /NDF:10.6/39

All: 23.530 $\pm$ 30.191 χ^2 /NDF: 25.1/75

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703 ± 0.057 $\chi^2/\text{NDF}: 1019872.4/16$

Left Out: 210.454 ± 0.039 $\chi^2/\text{NDF}: 1283154.0/20$

Right Out: 172.753 ± 0.050 $\chi^2/\text{NDF}: 1596944.9/18$

Left In: 181.675 ± 0.035 $\chi^2/\text{NDF}: 1546268.6/18$

Left: 194.704 ± 0.026 $\chi^2/\text{NDF}: 3132698.9/39$

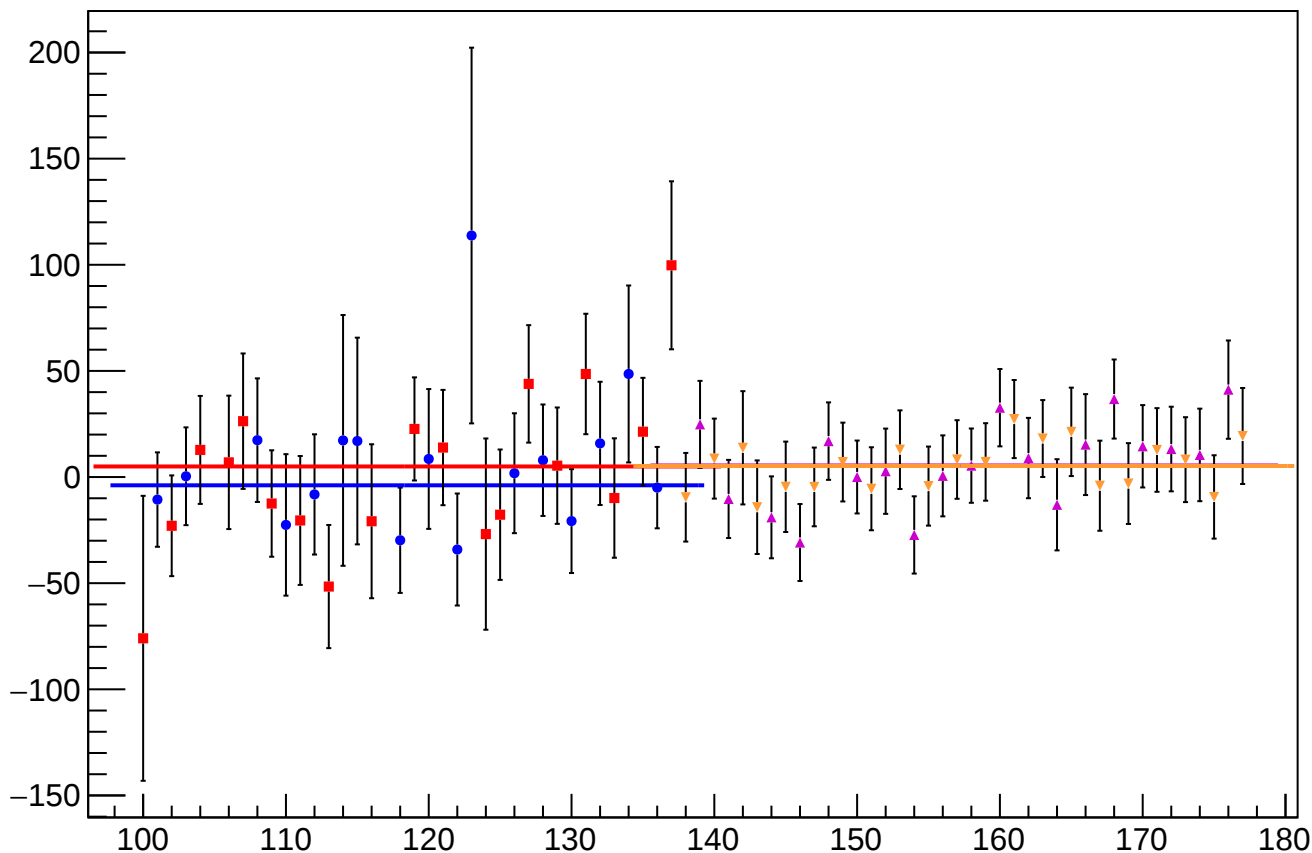
Right: 182.331 ± 0.037 $\chi^2/\text{NDF}: 2701685.9/35$

In: 185.306 ± 0.030 $\chi^2/\text{NDF}: 2604404.0/35$

Out: 196.267 ± 0.031 $\chi^2/\text{NDF}: 3237958.3/39$

All: 190.665 ± 0.021 $\chi^2/\text{NDF}: 5908231.9/75$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894+/-6.915 χ^2/NDF : 8.4/16

Left Out: 5.205+/-4.310 χ^2/NDF : 6.7/20

Right Out: 4.985+/-6.727 χ^2/NDF : 21.3/18

Left In: 5.458+/-4.439 χ^2/NDF : 19.9/18

Left: 5.328+/-3.092 χ^2/NDF : 26.6/39

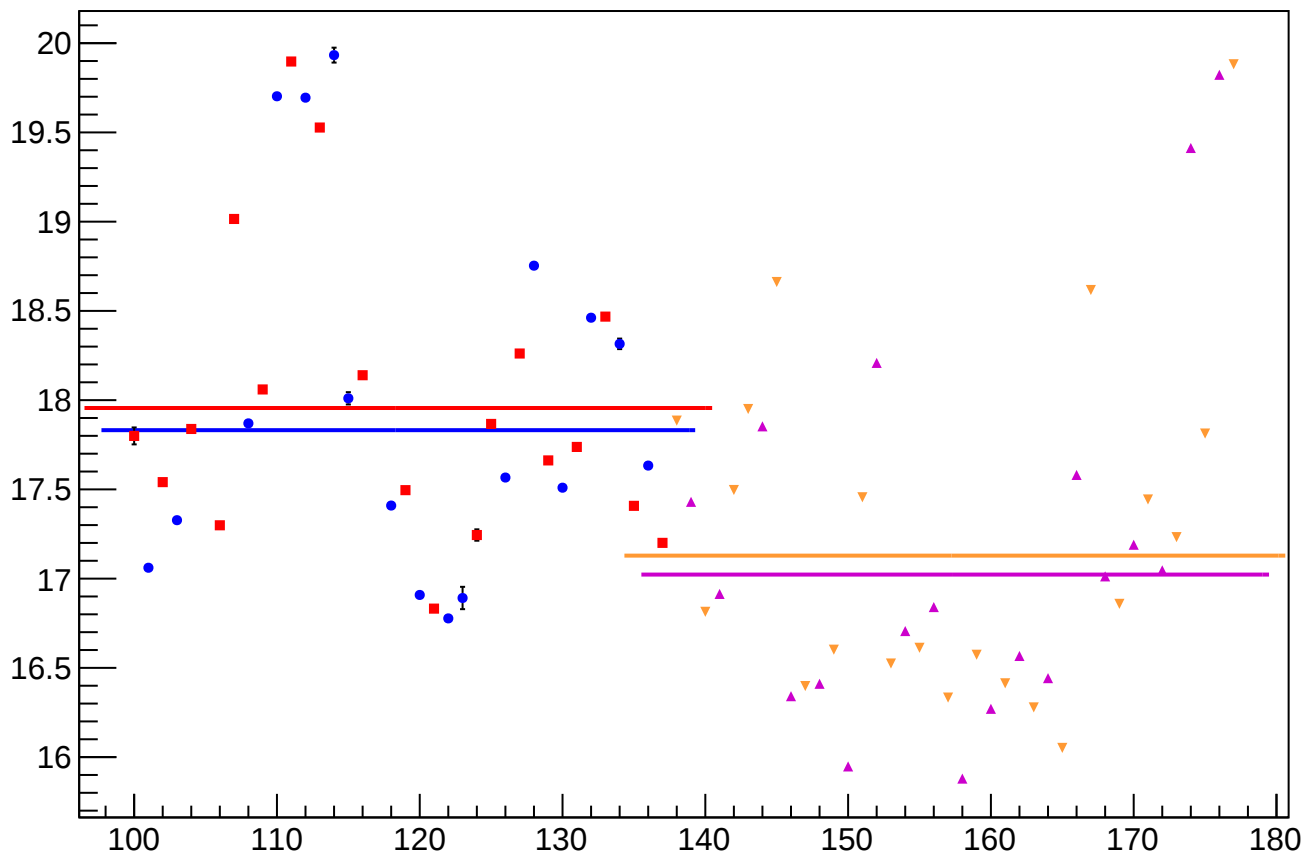
Right: 0.668+/-4.822 χ^2/NDF : 30.6/35

In: 2.729+/-3.736 χ^2/NDF : 29.5/35

Out: 5.141+/-3.629 χ^2/NDF : 28.1/39

All: 3.970+/-2.603 χ^2/NDF : 57.8/75

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 17.129 $\pm$ 0.003 χ^2 /NDF: 86825.6/20

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

Left In: 17.023 $\pm$ 0.003 χ^2 /NDF: 94357.5/18

Left: 17.077 $\pm$ 0.002 χ^2 /NDF: 181772.1/39

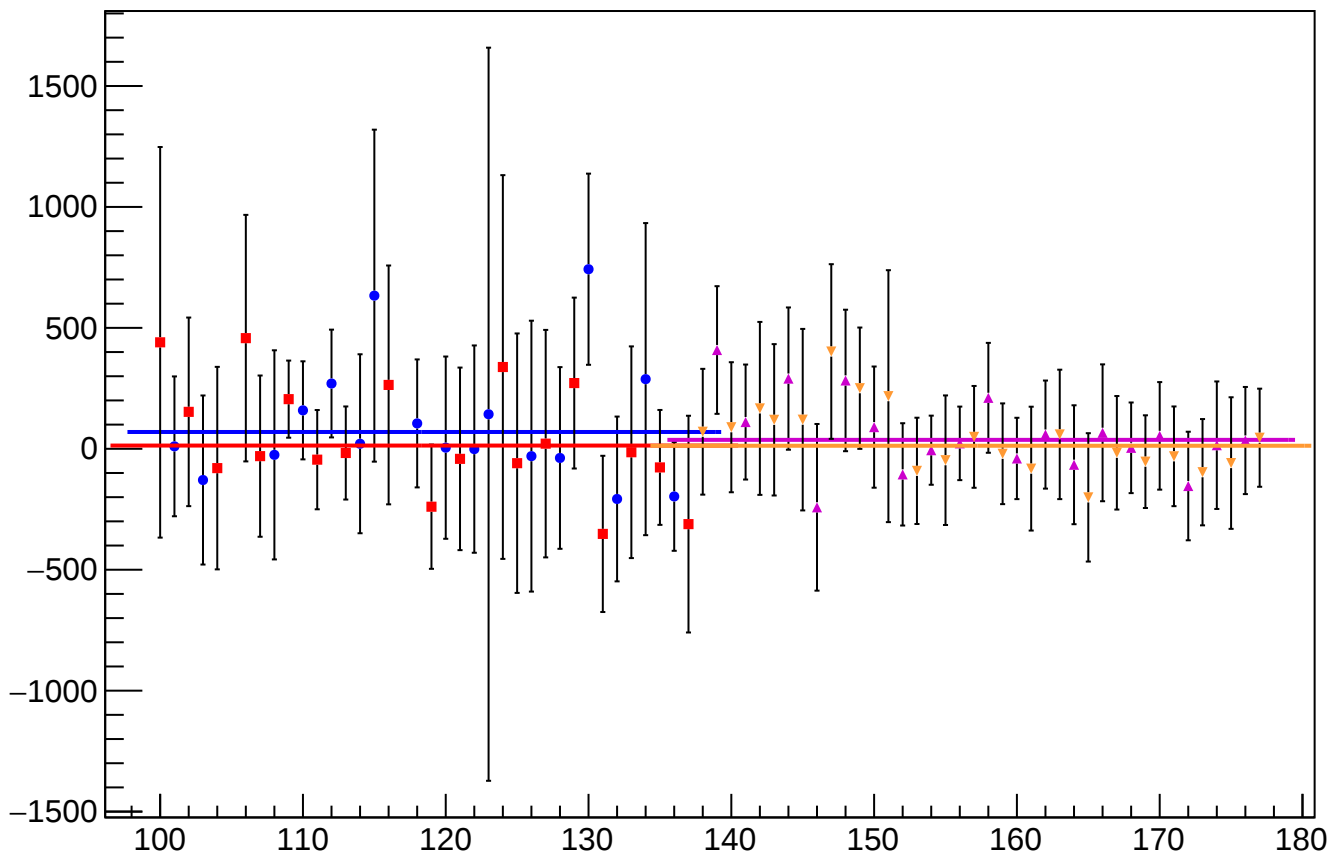
Right: 17.896 $\pm$ 0.003 χ^2 /NDF: 56643.8/35

In: 17.259 $\pm$ 0.003 χ^2 /NDF: 144607.7/35

Out: 17.370 $\pm$ 0.003 χ^2 /NDF: 133708.7/39

All: 17.316 $\pm$ 0.002 χ^2 /NDF: 279221.5/75

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 12.601+/-54.868 χ^2/NDF : 4.4/20

Right Out: 13.410+/-71.041 χ^2/NDF : 6.7/18

Left In: 36.956+/-49.913 χ^2/NDF : 6.5/18

Left: 25.928+/-36.921 χ^2/NDF : 11.0/39

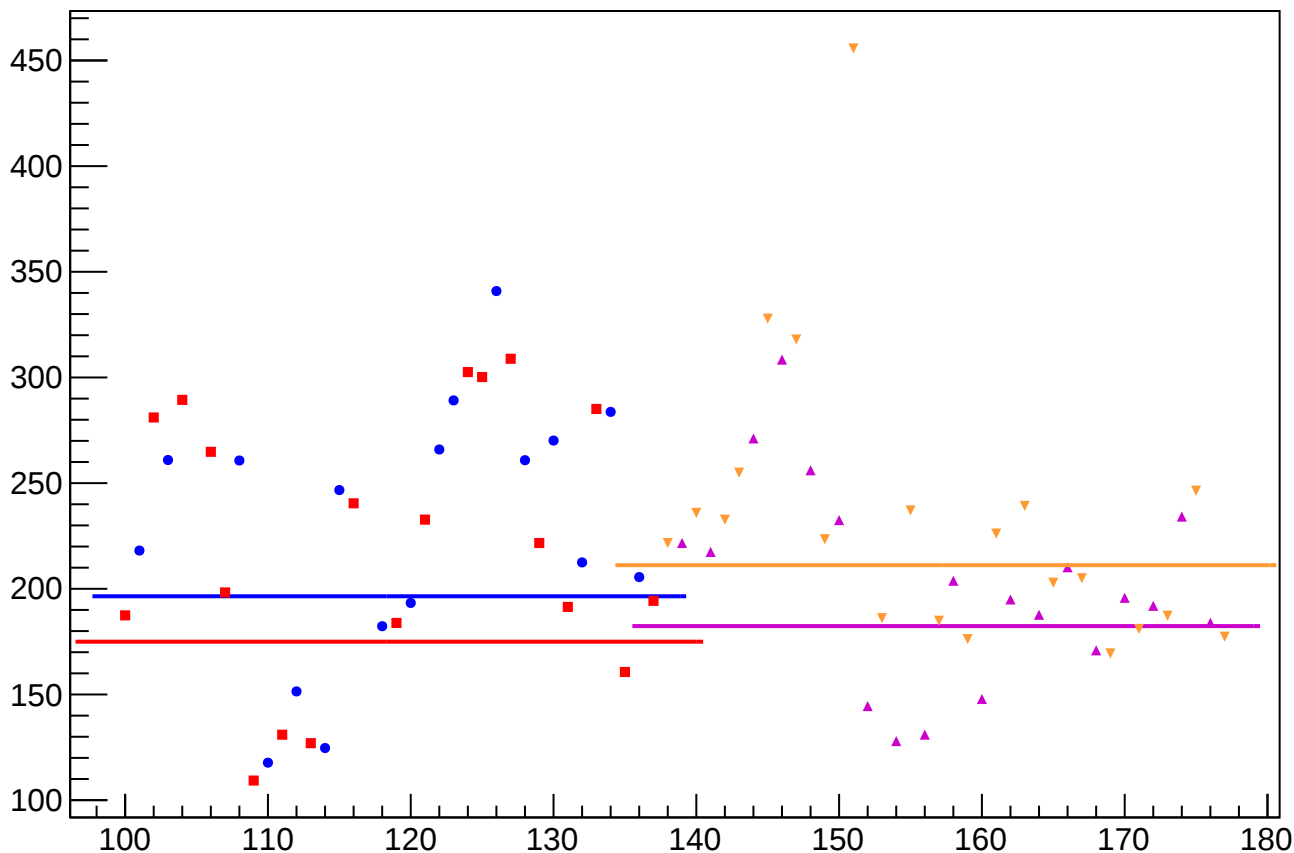
Right: 37.955+/-53.280 χ^2/NDF : 14.4/35

In: 45.988+/-42.428 χ^2/NDF : 14.0/35

Out: 12.904+/-43.424 χ^2/NDF : 11.1/39

All: 29.830+/-30.347 χ^2/NDF : 25.4/75

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 211.185 $\pm$ 0.039 χ^2 /NDF:1295502.6/20

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

Left In: 182.361 $\pm$ 0.035 χ^2 /NDF:1552146.9/18

Left: 195.413 $\pm$ 0.026 χ^2 /NDF: 3149670.2/39

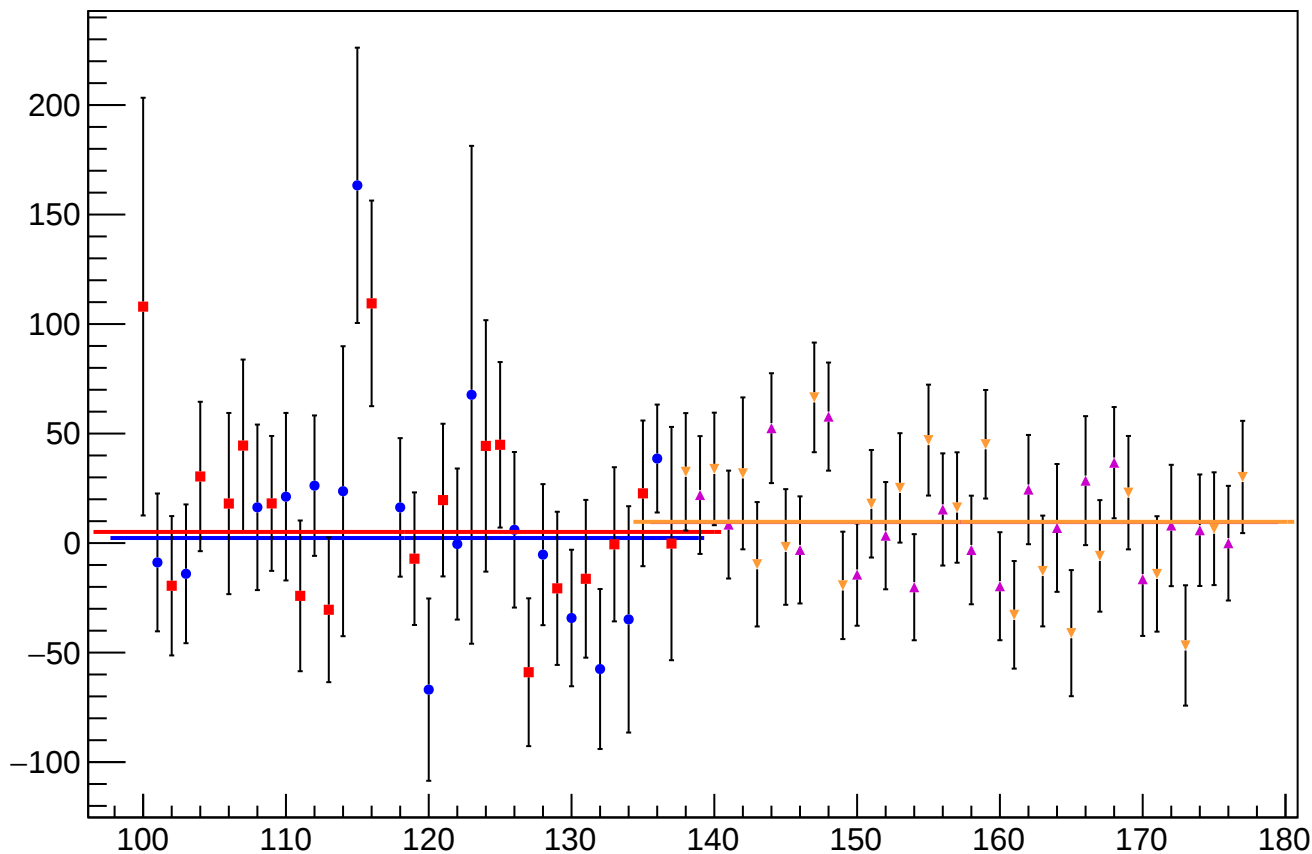
Right: 184.383 $\pm$ 0.038 χ^2 /NDF: 2555448.8/35

In: 186.276 $\pm$ 0.030 χ^2 /NDF:2560765.8/35

Out: 197.658 $\pm$ 0.031 χ^2 /NDF:3131955.7/39

All: 191.835 $\pm$ 0.021 χ^2 /NDF: 5763025.6/75

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307+/-8.805 χ^2/NDF : 18.1/16

Left Out: 9.697+/-5.684 χ^2/NDF : 27.2/20

Right Out: 5.089+/-8.479 χ^2/NDF : 17.1/18

Left In: 9.592+/-5.850 χ^2/NDF : 14.7/18

Left: 9.646+/-4.077 χ^2/NDF : 41.9/39

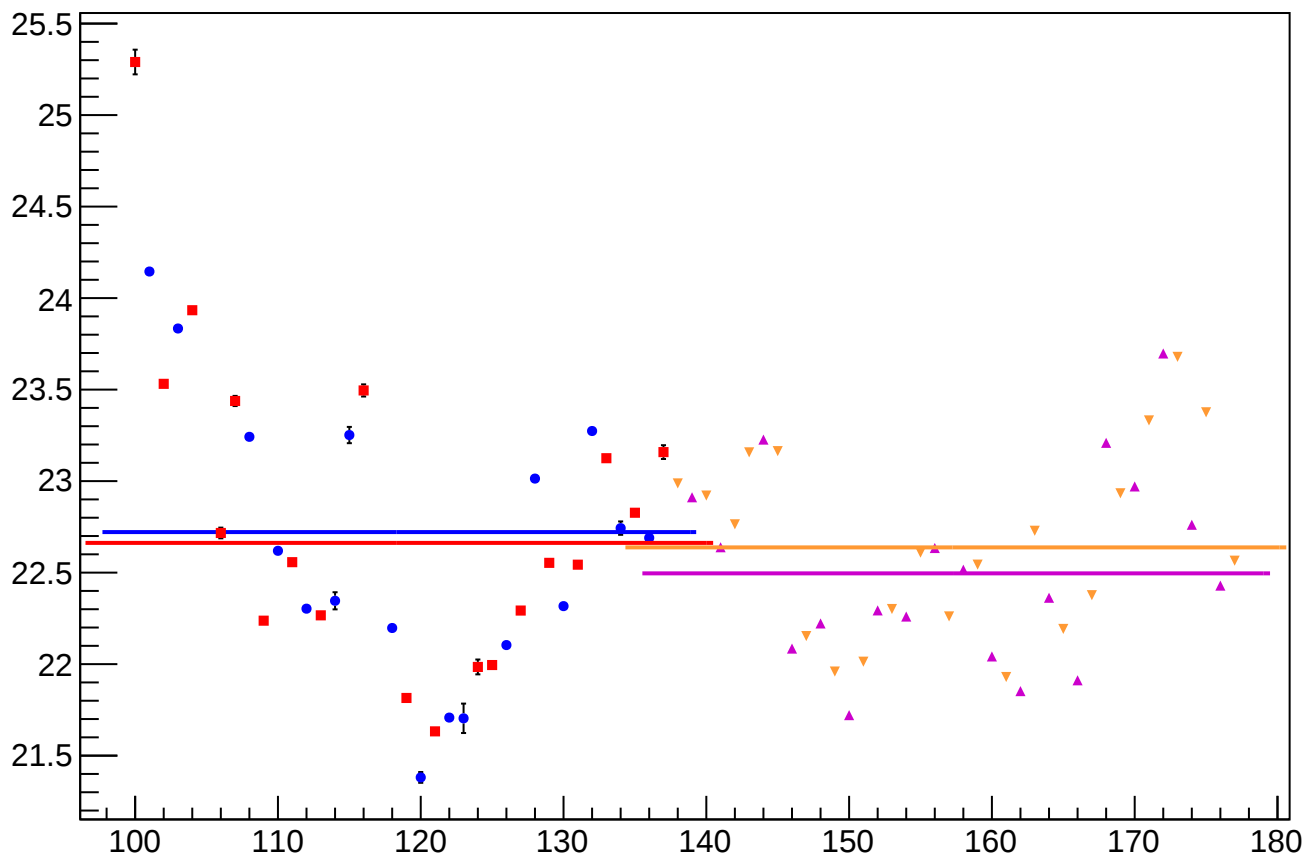
Right: 3.750+/-6.108 χ^2/NDF : 35.3/35

In: 7.361+/-4.873 χ^2/NDF : 33.2/35

Out: 8.268+/-4.721 χ^2/NDF : 44.6/39

All: 7.829+/-3.391 χ^2/NDF : 77.8/75

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: 22.638 $\pm$ 0.004 χ^2 /NDF:15044.9/20

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

Left In: 22.496 $\pm$ 0.004 χ^2 /NDF:14720.7/18

Left: 22.569 $\pm$ 0.003 χ^2 /NDF: 30370.7/39

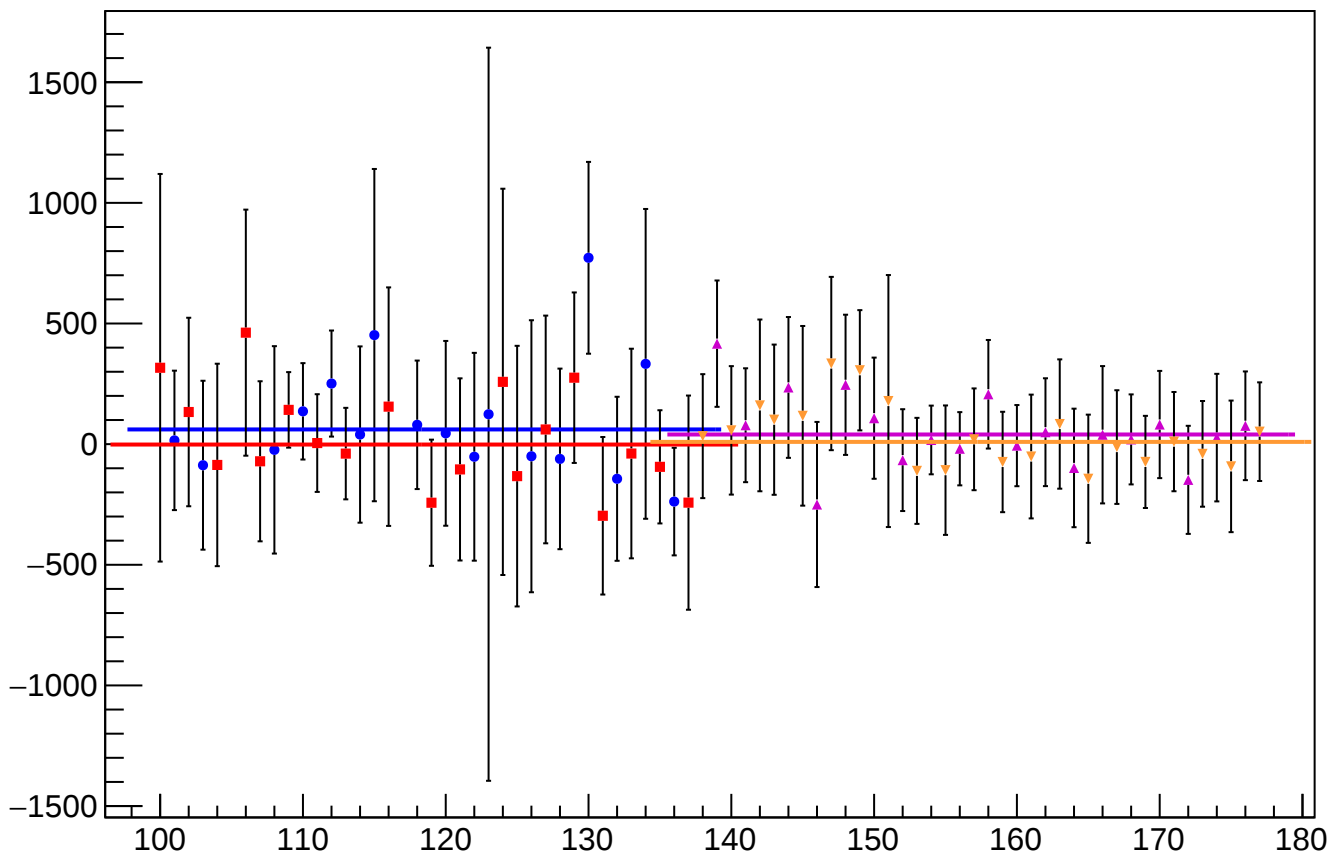
Right: 22.691 $\pm$ 0.004 χ^2 /NDF: 26582.8/35

In: 22.565 $\pm$ 0.003 χ^2 /NDF:29211.6/35

Out: 22.645 $\pm$ 0.003 χ^2 /NDF:28012.1/39

All: 22.607 $\pm$ 0.002 χ^2 /NDF: 57504.7/75

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: 9.353 $\pm$ 54.800 χ^2 /NDF:4.3/20

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

Left In: 40.014 $\pm$ 49.831 χ^2 /NDF:6.0/18

Left: 26.136 $\pm$ 36.867 χ^2 /NDF: 10.4/39

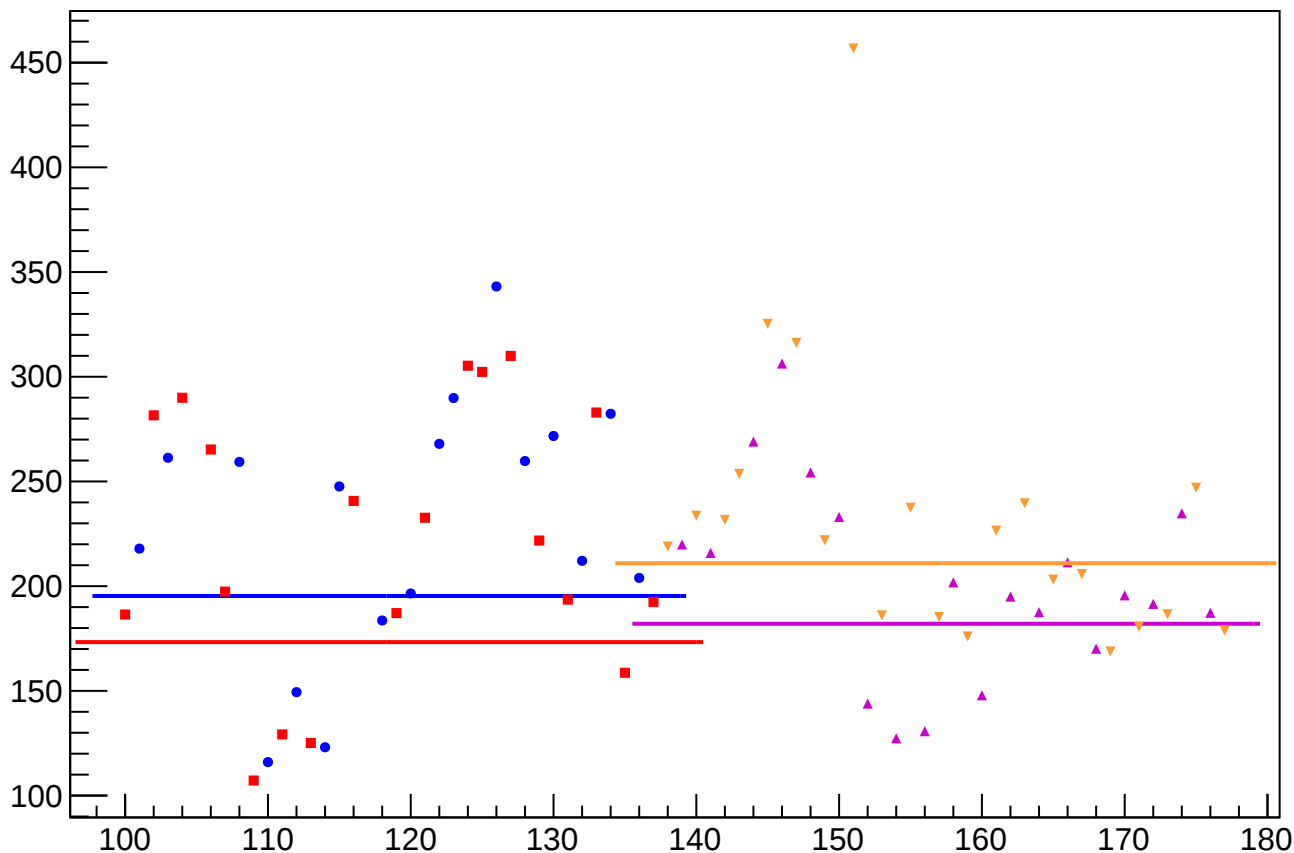
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 45.848 $\pm$ 42.326 χ^2 /NDF:13.3/35

Out: 5.214 $\pm$ 43.278 χ^2 /NDF:9.5/39

All: 25.983 $\pm$ 30.260 χ^2 /NDF: 23.2/75

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: 210.939+/-0.039 χ^2/NDF :1282644.1/20

Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

Left In: 182.054+/-0.035 χ^2/NDF :1546228.2/18

Left: 195.128+/-0.026 χ^2/NDF : 3133034.0/39

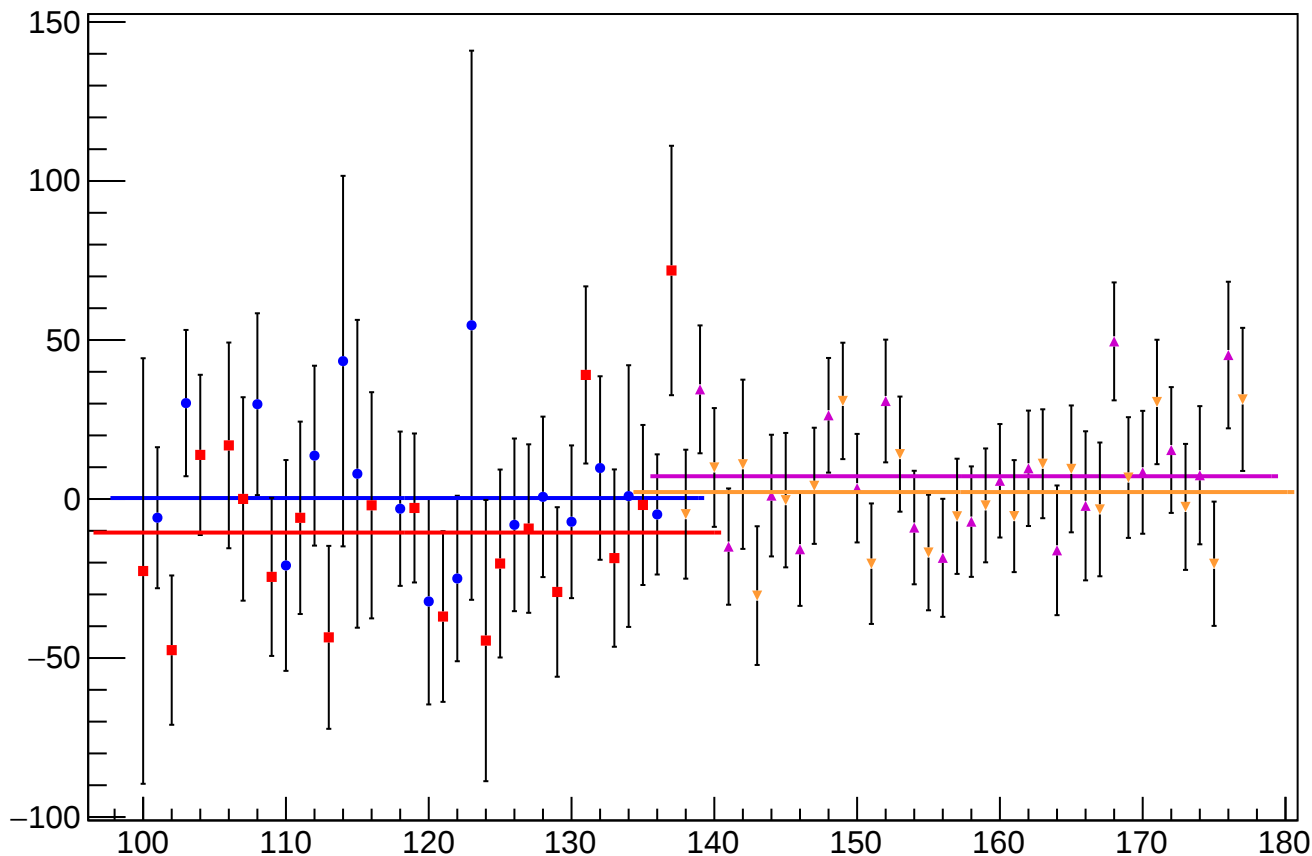
Right: 182.896+/-0.037 χ^2/NDF : 2667678.3/35

In: 185.748+/-0.030 χ^2/NDF :2589895.7/35

Out: 196.770+/-0.031 χ^2/NDF :3216362.0/39

All: 191.136+/-0.021 χ^2/NDF : 5872556.0/75

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: 2.186+/-4.225 χ^2/NDF :14.2/20

Right Out: -10.553+/-6.628 χ^2/NDF : 16.0/18

Left In: 7.162+/-4.366 χ^2/NDF :20.8/18

Left: 4.592+/-3.036 χ^2/NDF : 35.6/39

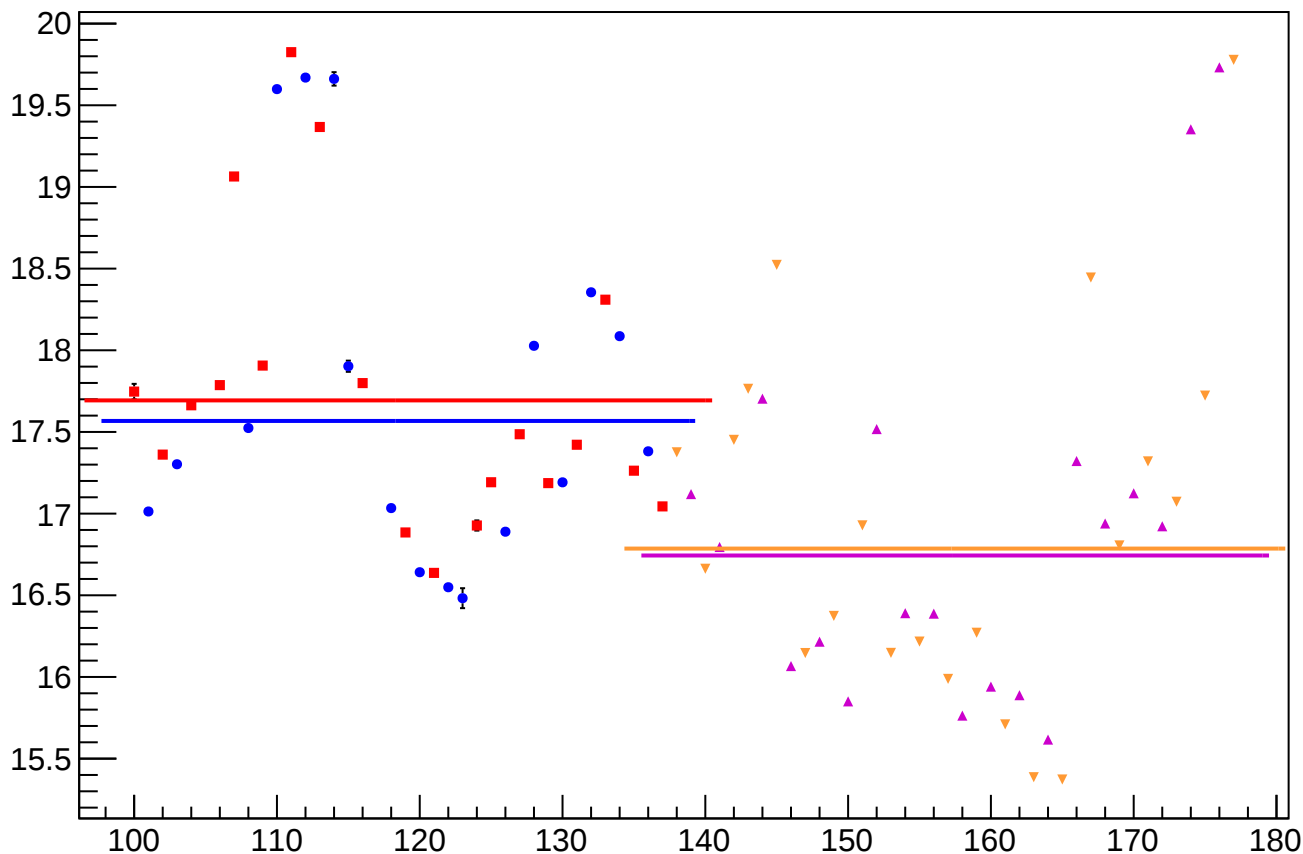
Right: -5.273+/-4.751 χ^2/NDF : 24.1/35

In: 5.165+/-3.676 χ^2/NDF :28.3/35

Out: -1.495+/-3.563 χ^2/NDF :32.8/39

All: 1.731+/-2.558 χ^2/NDF : 62.8/75

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: 16.786 $\pm$ 0.003 χ^2 /NDF:119346.9/20

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.744 $\pm$ 0.003 χ^2 /NDF:106395.7/18

Left: 16.765 $\pm$ 0.002 χ^2 /NDF: 225839.8/39

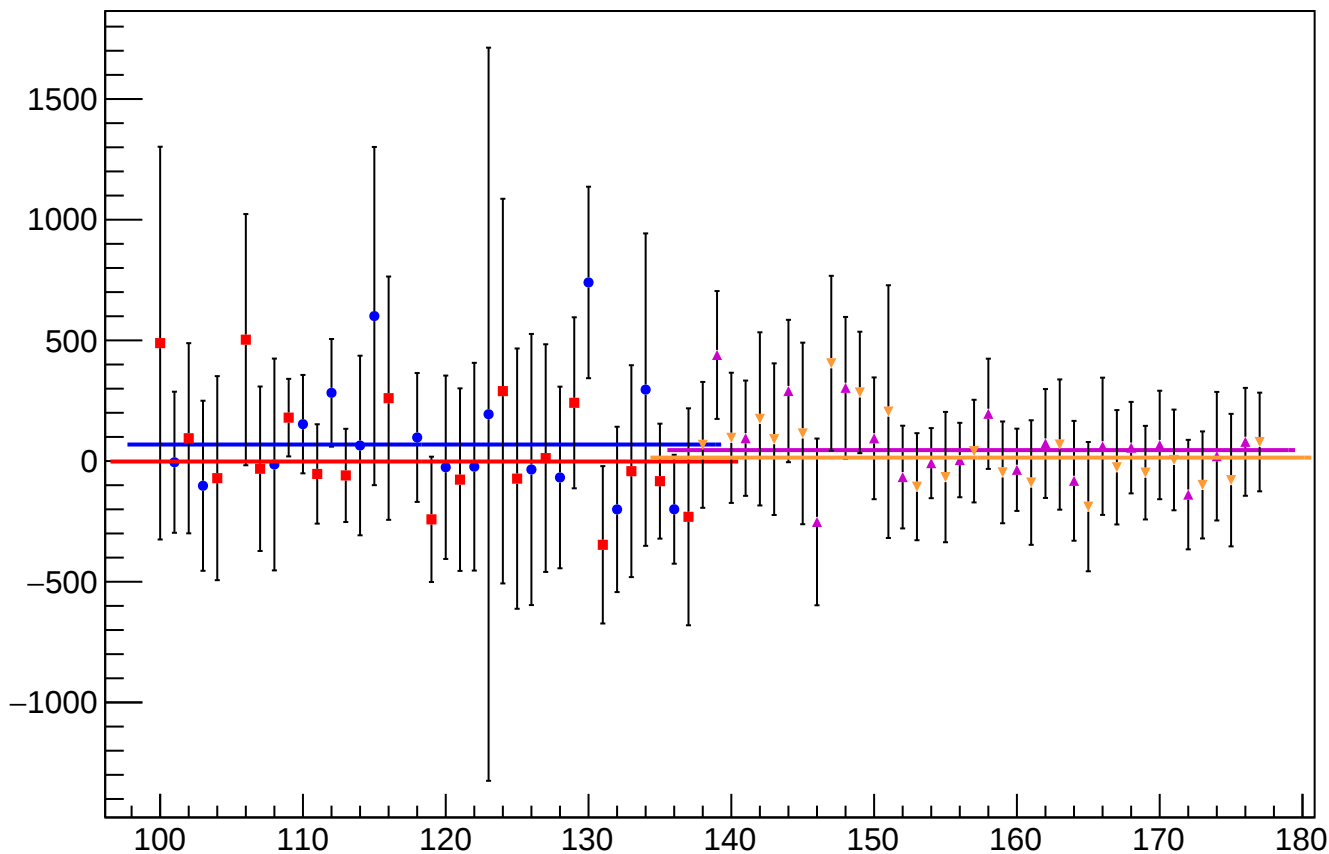
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.984 $\pm$ 0.003 χ^2 /NDF:160268.8/35

Out: 17.048 $\pm$ 0.003 χ^2 /NDF:176757.4/39

All: 17.017 $\pm$ 0.002 χ^2 /NDF: 337345.0/75

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 14.351 $\pm$ 55.318 χ^2 /NDF:4.8/20

Right Out: -1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

Left In: 45.425 $\pm$ 50.406 χ^2 /NDF:6.6/18

Left: 31.328 $\pm$ 37.258 χ^2 /NDF: 11.6/39

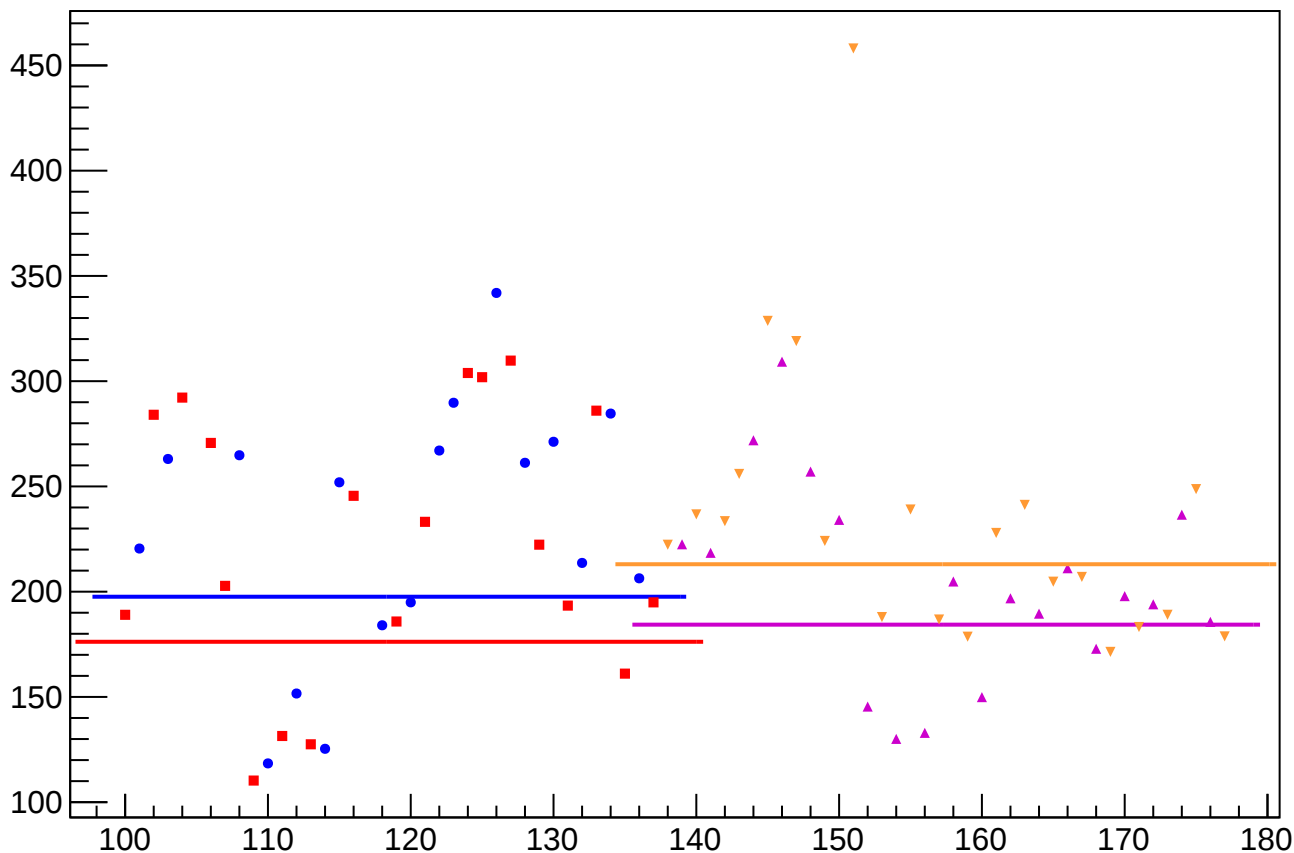
Right: 29.004 $\pm$ 53.625 χ^2 /NDF: 13.9/35

In: 51.879 $\pm$ 42.799 χ^2 /NDF:14.0/35

Out: 8.296 $\pm$ 43.761 χ^2 /NDF:10.9/39

All: 30.572 $\pm$ 30.598 χ^2 /NDF: 25.4/75

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 213.039 $\pm$ 0.039 χ^2 /NDF:1270030.0/20

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

Left In: 184.334 $\pm$ 0.036 χ^2 /NDF:1507218.9/18

Left: 197.356 $\pm$ 0.026 χ^2 /NDF: 3071478.6/39

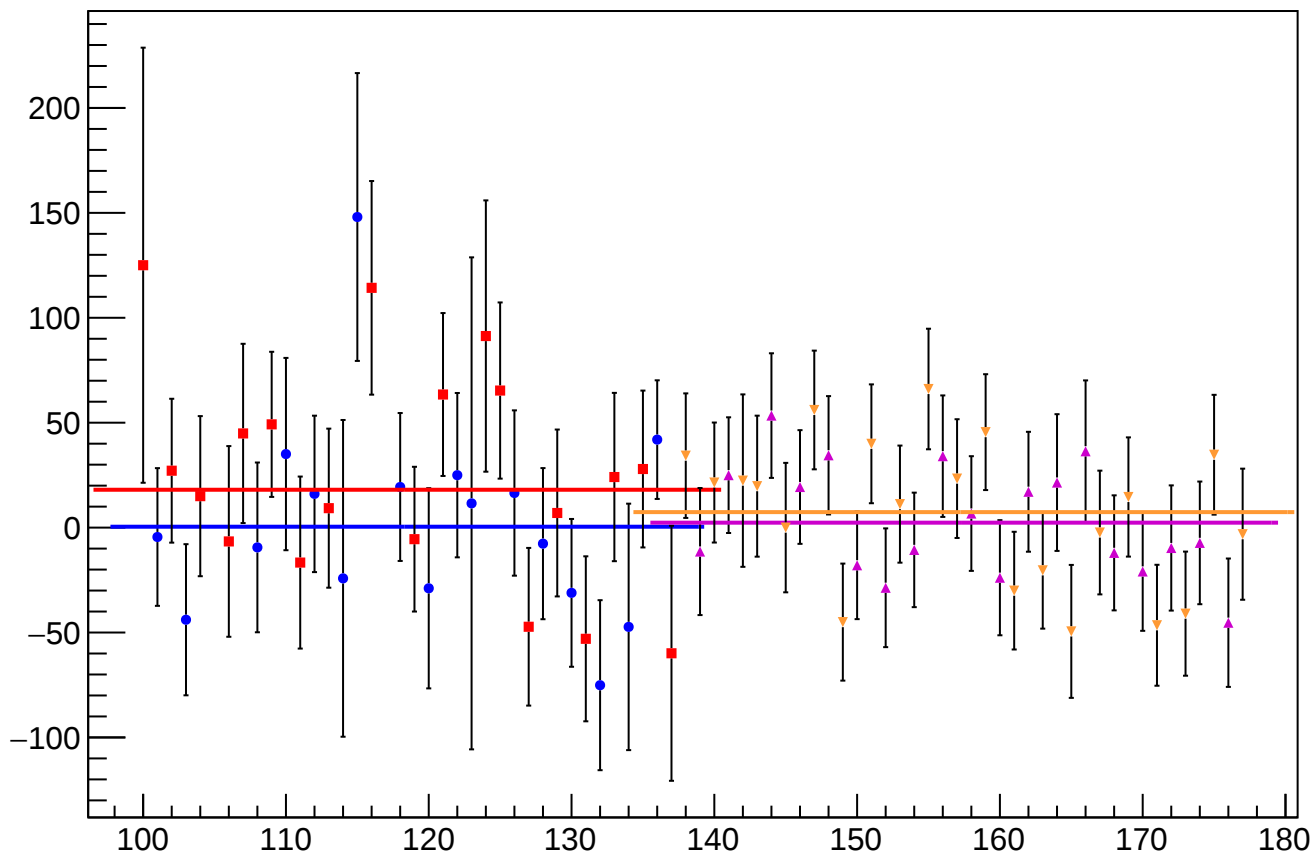
Right: 185.577 $\pm$ 0.038 χ^2 /NDF: 2567082.7/35

In: 188.037 $\pm$ 0.030 χ^2 /NDF:2514722.9/35

Out: 199.254 $\pm$ 0.031 χ^2 /NDF:3121744.4/39

All: 193.521 $\pm$ 0.022 χ^2 /NDF: 5703634.2/75

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427+/-9.884 χ^2/NDF : 15.5/16

Left Out: 7.383+/-6.418 χ^2/NDF :29.0/20

Right Out: 18.044+/-9.499 χ^2/NDF : 19.5/18

Left In: 2.353+/-6.577 χ^2/NDF :15.0/18

Left: 4.930+/-4.594 χ^2/NDF : 44.3/39

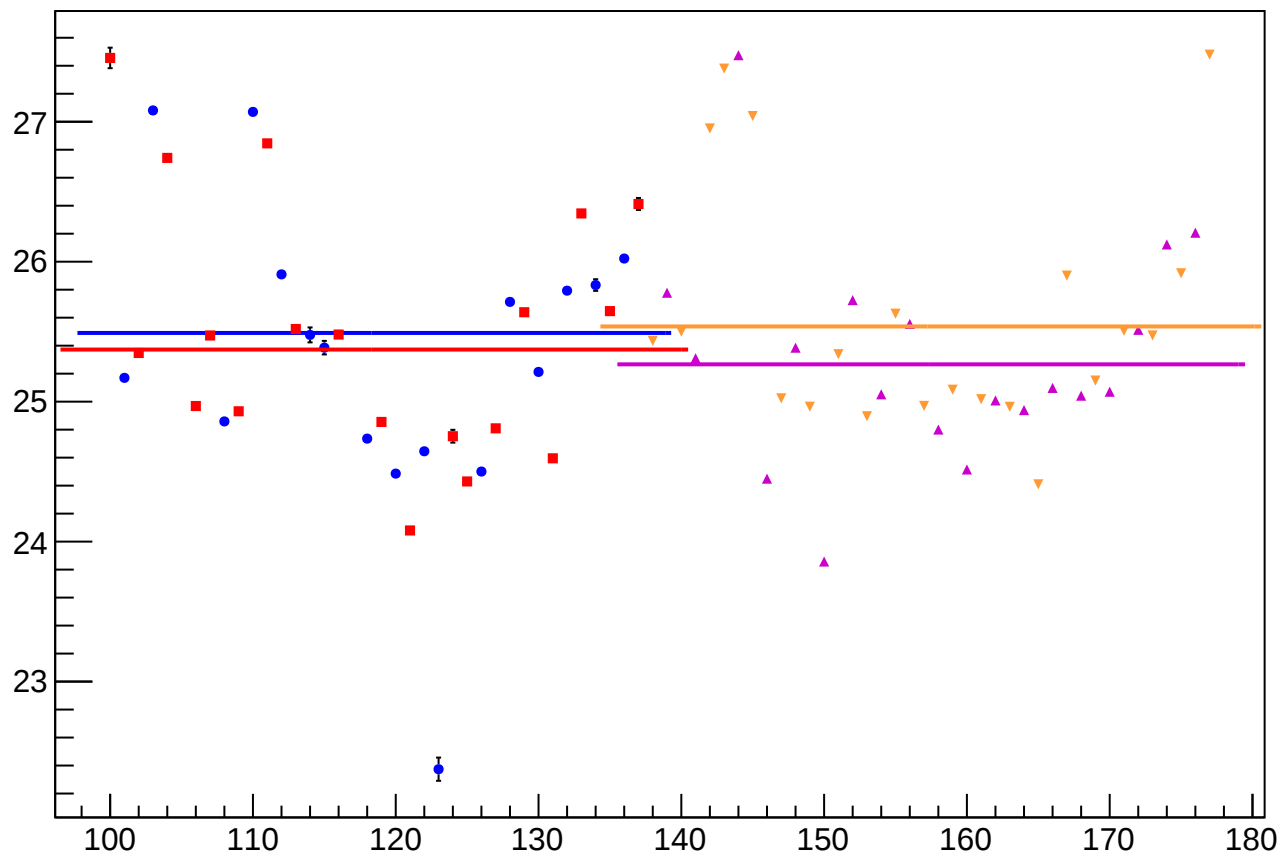
Right: 9.585+/-6.849 χ^2/NDF : 36.6/35

In: 1.762+/-5.476 χ^2/NDF :30.5/35

Out: 10.725+/-5.318 χ^2/NDF :49.3/39

All: 6.374+/-3.815 χ^2/NDF : 81.2/75

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: 25.537 $\pm$ 0.005 χ^2 /NDF:30027.2/20

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

Left In: 25.267 $\pm$ 0.005 χ^2 /NDF:26837.4/18

Left: 25.405 $\pm$ 0.003 χ^2 /NDF: 58600.9/39

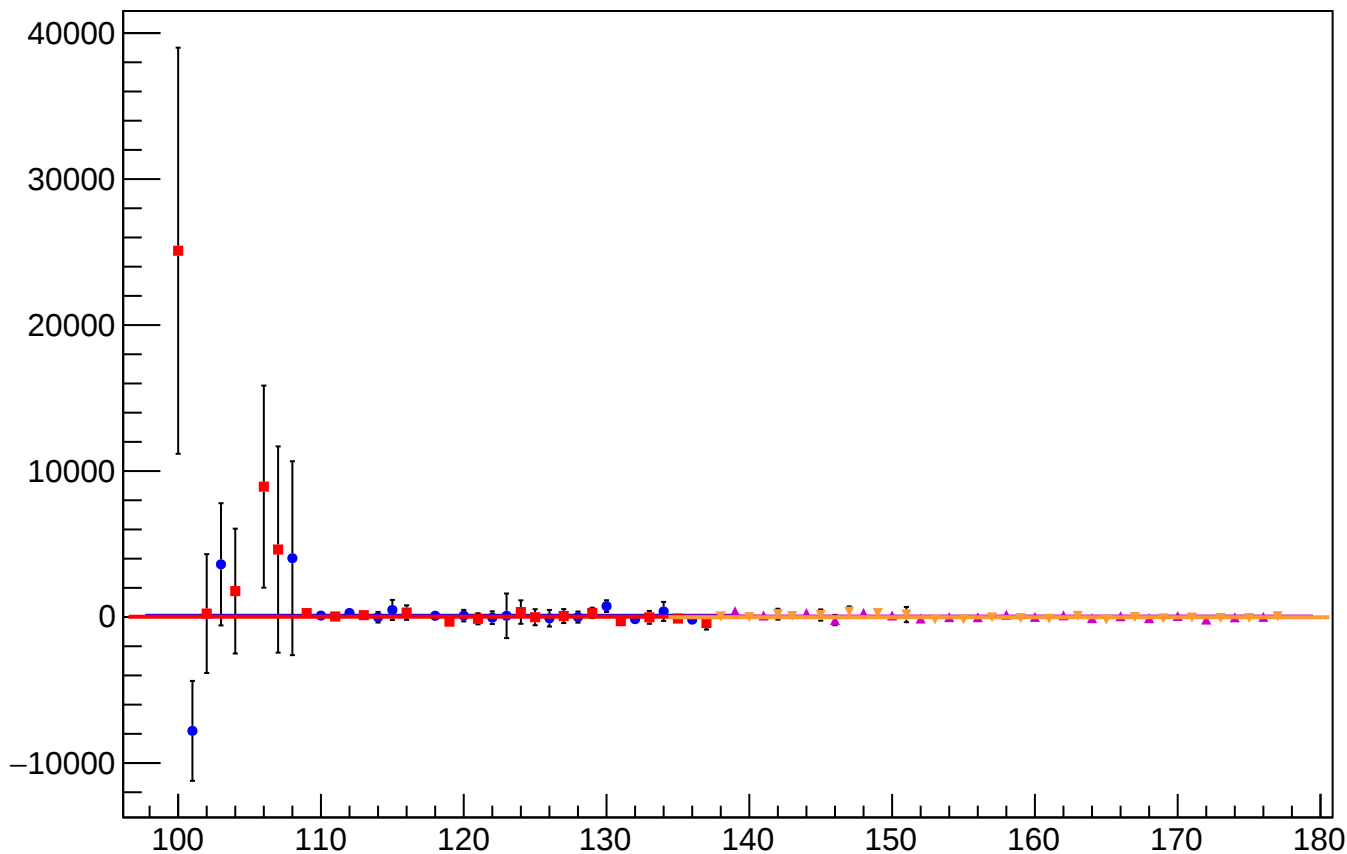
Right: 25.429 $\pm$ 0.005 χ^2 /NDF: 27413.4/35

In: 25.335 $\pm$ 0.004 χ^2 /NDF:41264.2/35

Out: 25.486 $\pm$ 0.004 χ^2 /NDF:43992.8/39

All: 25.413 $\pm$ 0.003 χ^2 /NDF: 86031.1/75

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: -12.891+/-55.372 χ^2/NDF : 4.9/20

Right Out: 23.352+/-80.948 χ^2/NDF : 11.9/18

Left In: 34.266+/-50.848 χ^2/NDF : 6.4/18

Left: 12.692+/-37.452 χ^2/NDF : 11.7/39

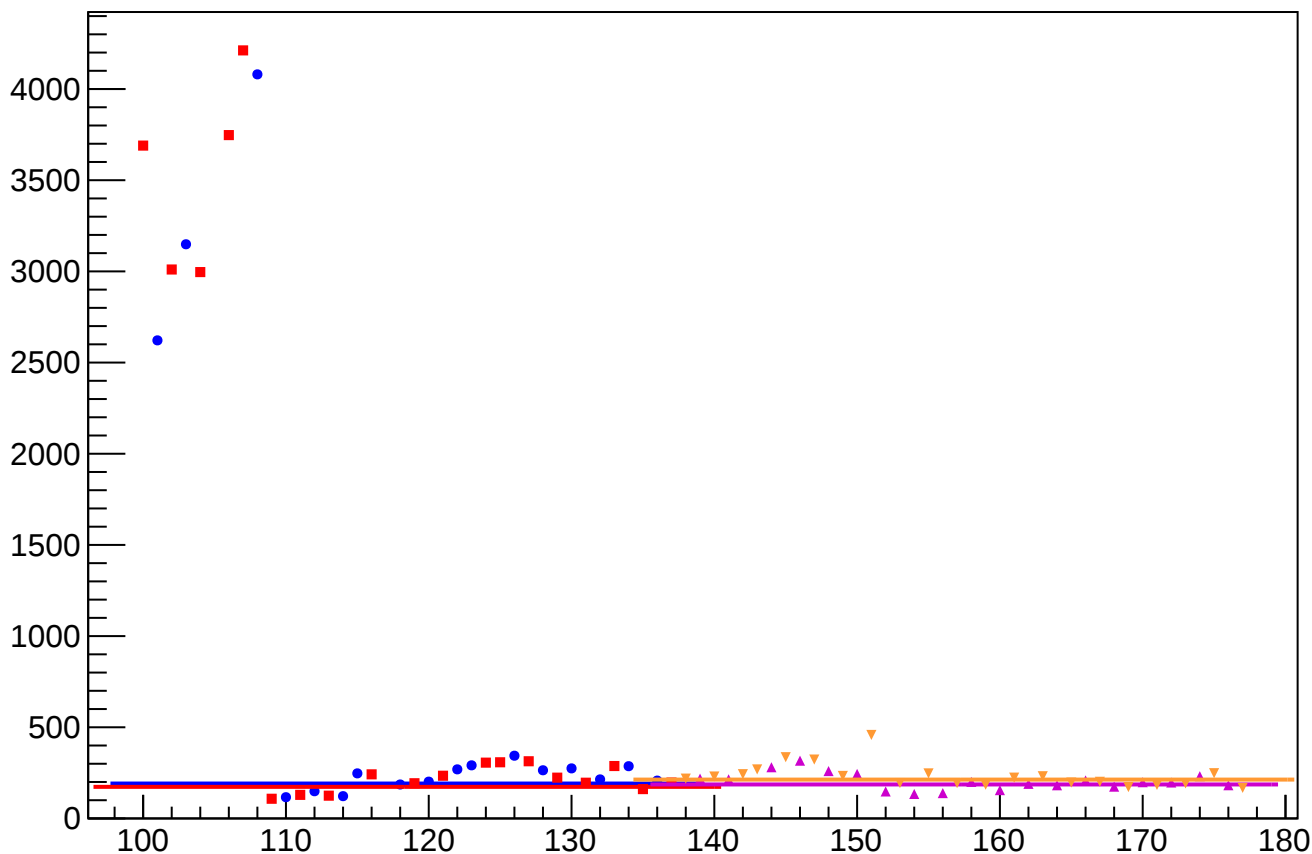
Right: 52.171+/-59.707 χ^2/NDF : 24.7/35

In: 47.261+/-44.079 χ^2/NDF : 19.1/35

Out: -1.338+/-45.702 χ^2/NDF : 17.0/39

All: 23.839+/-31.727 χ^2/NDF : 36.7/75

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: 213.138+/-0.039 χ^2/NDF :1324067.8/20

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

Left In: 186.456+/-0.036 χ^2/NDF :1382565.5/18

Left: 198.663+/-0.026 χ^2/NDF : 2958586.4/39

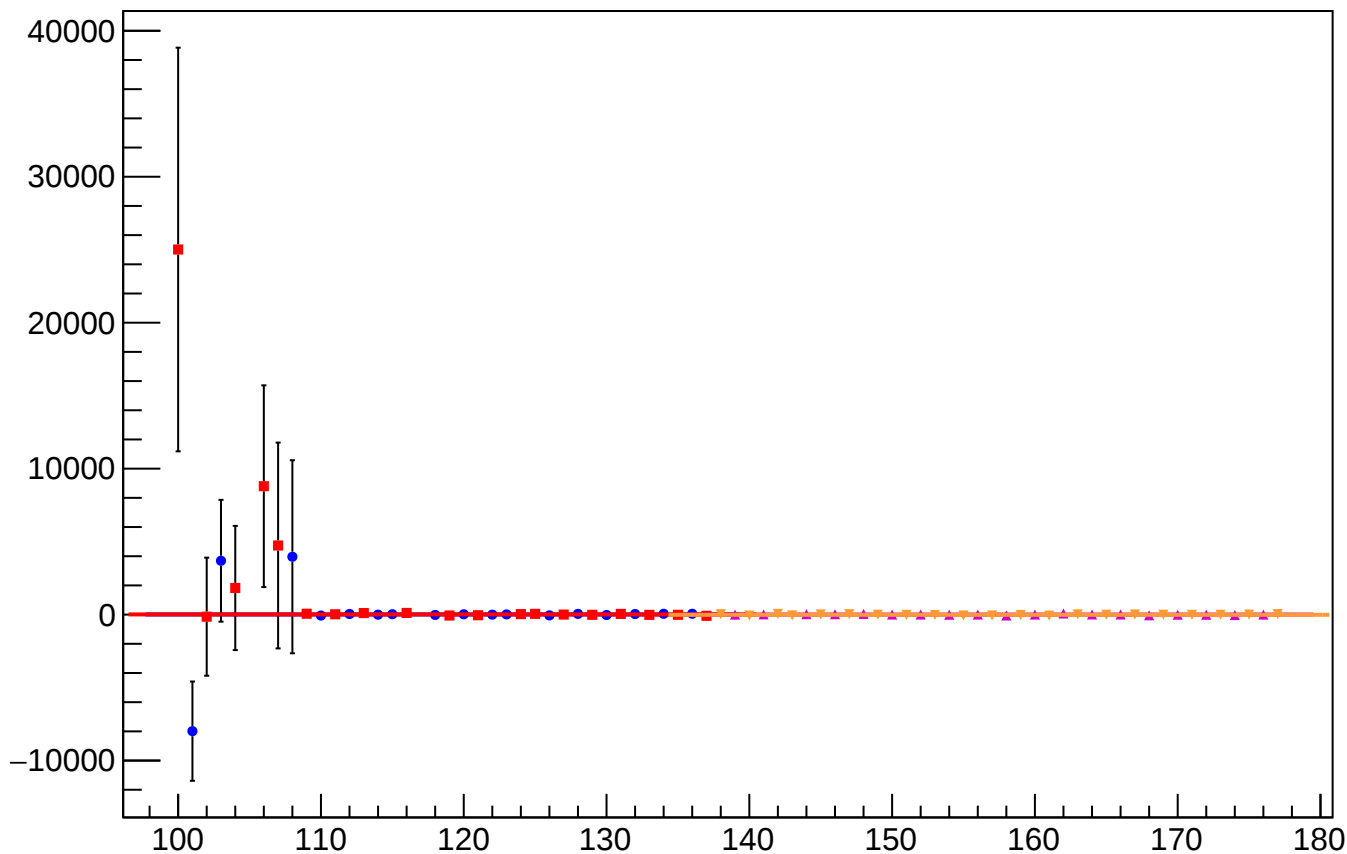
Right: 181.587+/-0.042 χ^2/NDF : 7826577.3/35

In: 187.704+/-0.031 χ^2/NDF :4960568.4/35

Out: 200.439+/-0.032 χ^2/NDF :5861537.0/39

All: 193.841+/-0.022 χ^2/NDF : 10902557.2/75

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: -13.121+/-7.253 χ^2/NDF : 19.3/20

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: 4.393+/-7.482 χ^2/NDF : 19.1/18

Left: -4.637+/-5.208 χ^2/NDF : 41.2/39

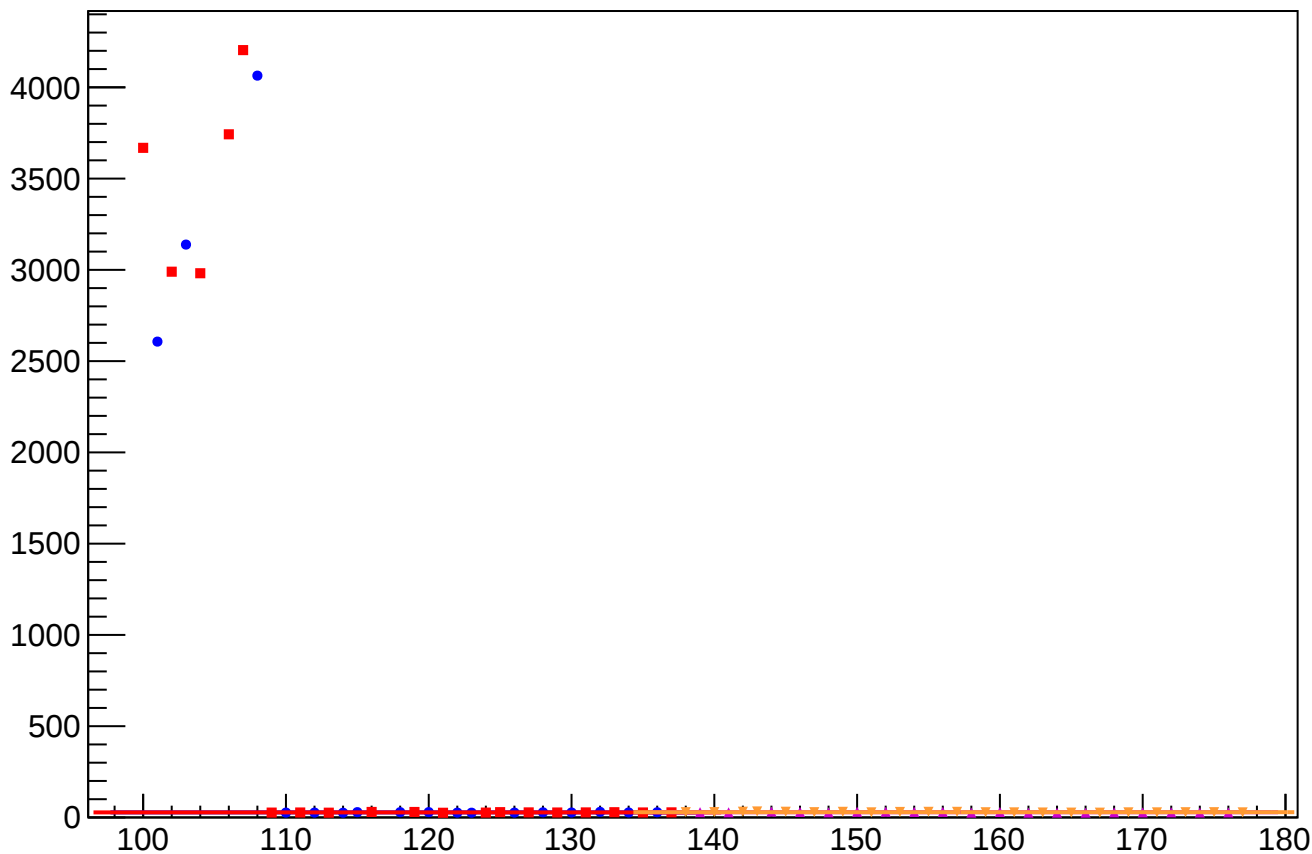
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 5.988+/-6.390 χ^2/NDF : 37.6/35

Out: -6.412+/-6.239 χ^2/NDF : 47.4/39

All: -0.361+/-4.464 χ^2/NDF : 87.0/75

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 28.811+/-0.005 χ^2/NDF :98489.7/20

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

Left In: 28.673+/-0.005 χ^2/NDF :117511.5/18

Left: 28.744+/-0.004 χ^2/NDF : 216351.1/39

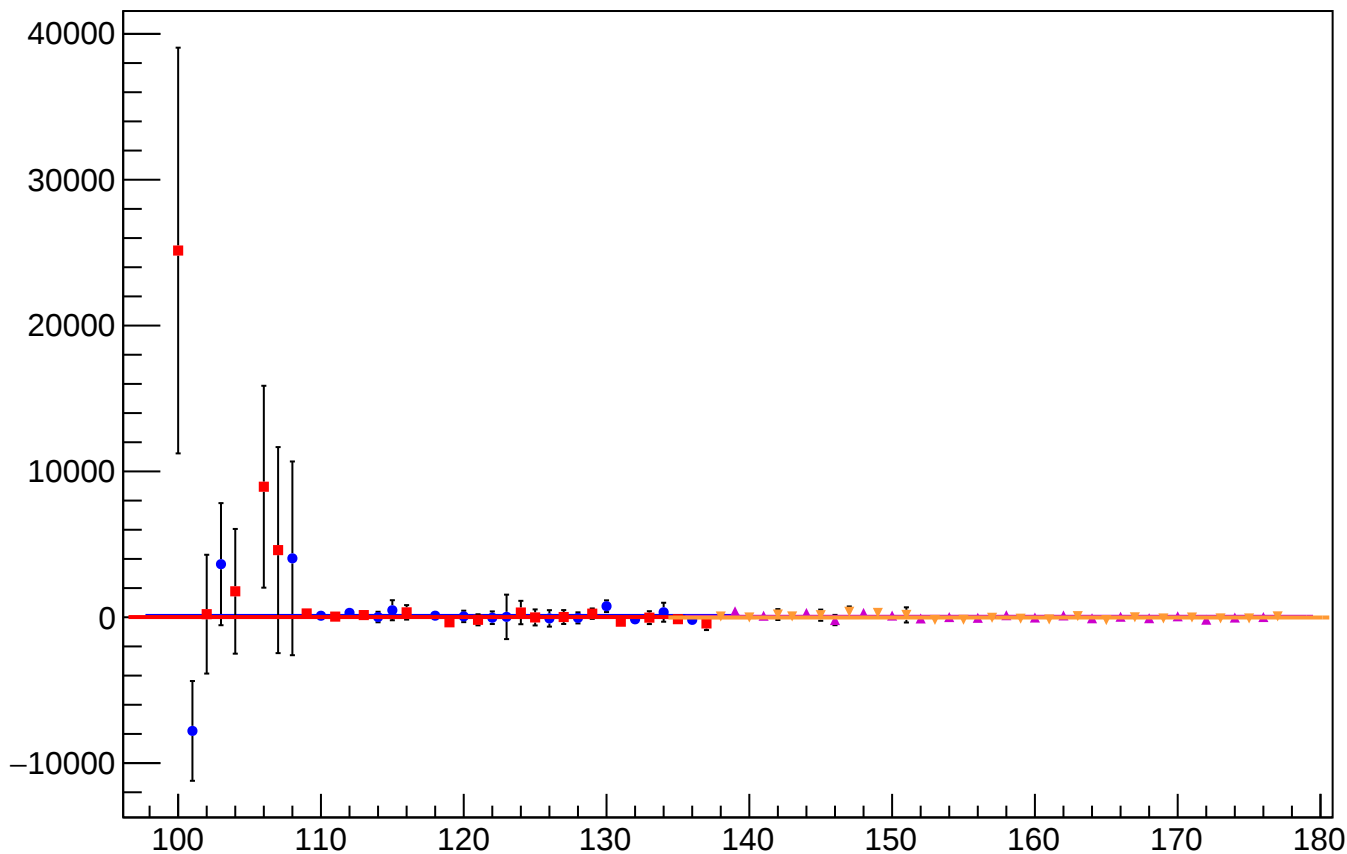
Right: 27.774+/-0.006 χ^2/NDF : 6504689.9/35

In: 28.452+/-0.005 χ^2/NDF :3151653.8/35

Out: 28.521+/-0.004 χ^2/NDF :3587662.1/39

All: 28.487+/-0.003 χ^2/NDF : 6739435.3/75

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: -16.634+/-55.246 χ^2/NDF : 5.6/20

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: 33.209+/-50.745 χ^2/NDF : 6.4/18

Left: 10.400+/-37.372 χ^2/NDF : 12.5/39

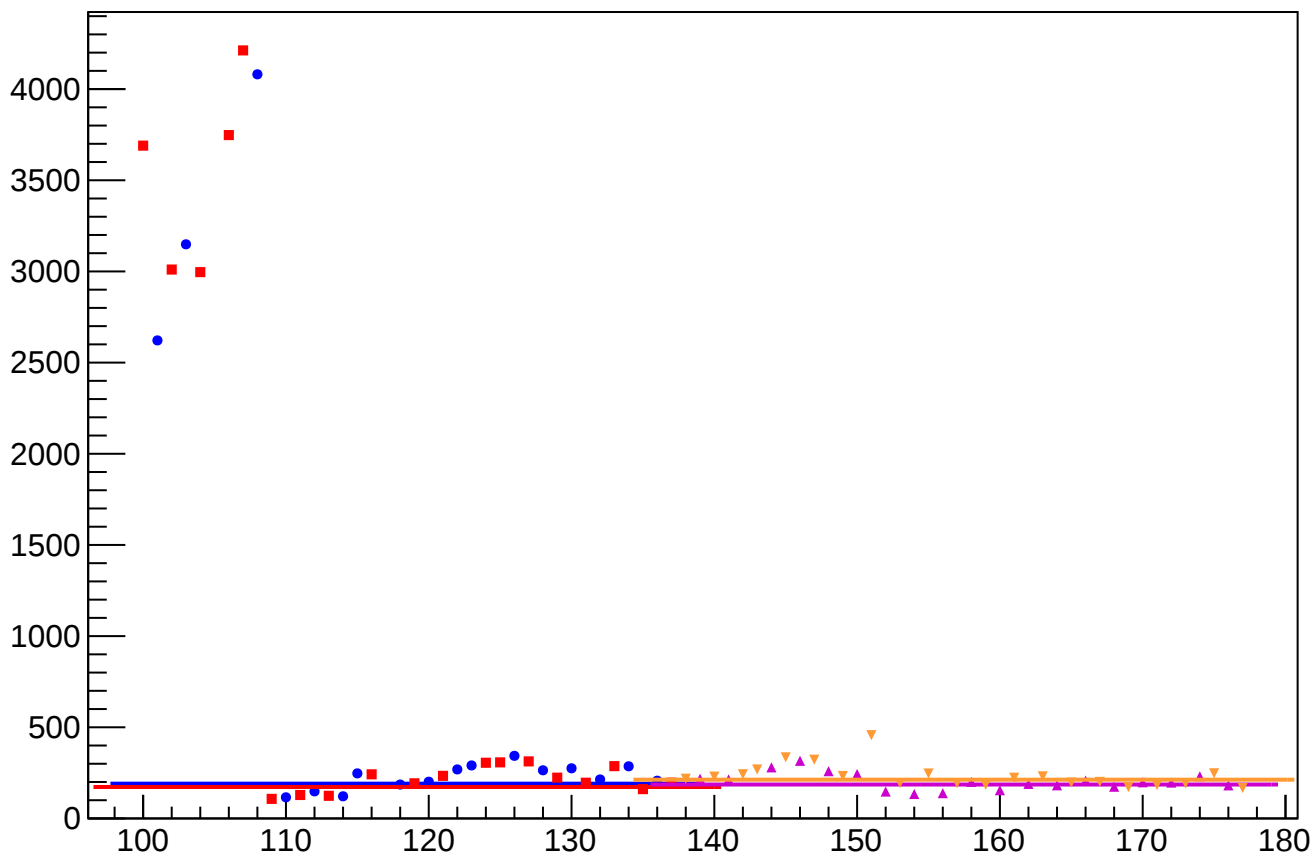
Right: 48.642+/-59.518 χ^2/NDF : 25.9/35

In: 47.537+/-43.978 χ^2/NDF : 19.5/35

Out: -7.067+/-45.584 χ^2/NDF : 18.4/39

All: 21.214+/-31.650 χ^2/NDF : 38.6/75

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: 212.652+/-0.039 χ^2/NDF :1325155.1/20

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

Left In: 186.078+/-0.036 χ^2/NDF :1382376.7/18

Left: 198.238+/-0.026 χ^2/NDF : 2958521.9/39

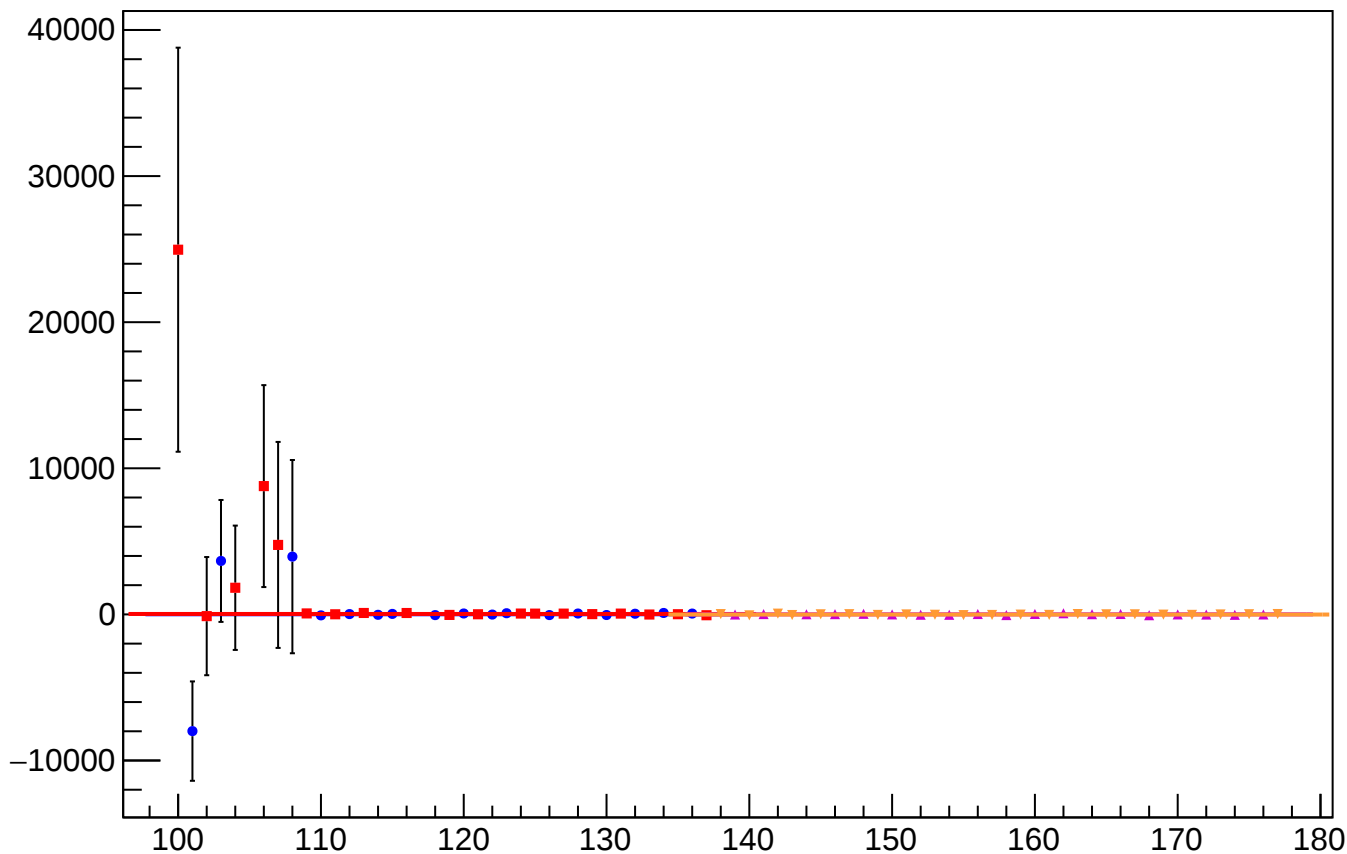
Right: 180.899+/-0.042 χ^2/NDF : 7849745.6/35

In: 187.246+/-0.031 χ^2/NDF :4971666.4/35

Out: 199.878+/-0.032 χ^2/NDF :5878799.1/39

All: 193.335+/-0.022 χ^2/NDF : 10930009.2/75

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -9.874 $\pm$ 7.295 χ^2 /NDF:13.7/20

Right Out: 29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

Left In: 3.257 $\pm$ 7.519 χ^2 /NDF:18.8/18

Left: -3.506 $\pm$ 5.236 χ^2 /NDF: 34.0/39

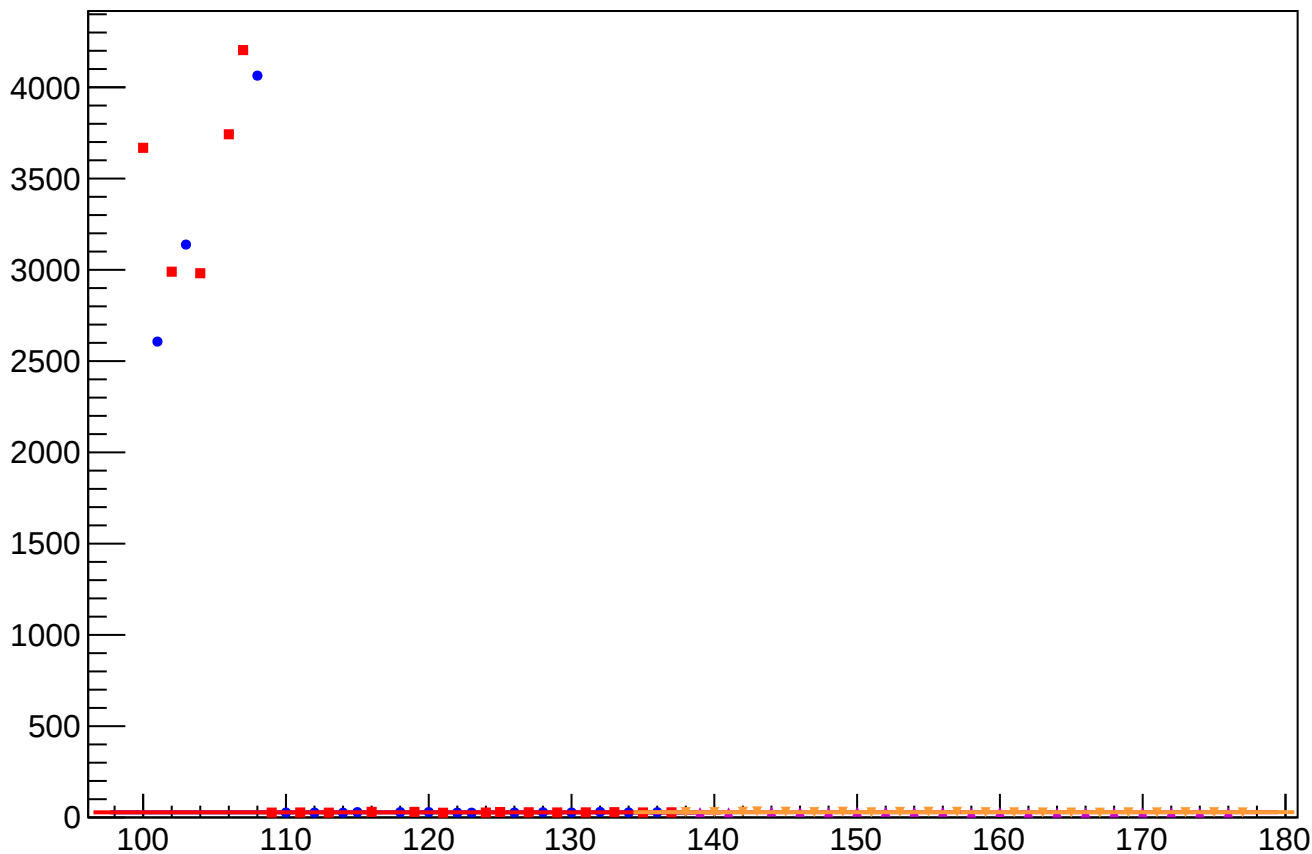
Right: 19.027 $\pm$ 8.733 χ^2 /NDF: 41.4/35

In: 4.699 $\pm$ 6.424 χ^2 /NDF:42.1/35

Out: 0.305 $\pm$ 6.279 χ^2 /NDF:38.0/39

All: 2.452 $\pm$ 4.491 χ^2 /NDF: 80.4/75

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: 28.973+/-0.005 χ^2/NDF : 106071.6/20

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

Left In: 28.811+/-0.005 χ^2/NDF : 121343.9/18

Left: 28.895+/-0.004 χ^2/NDF : 227893.1/39

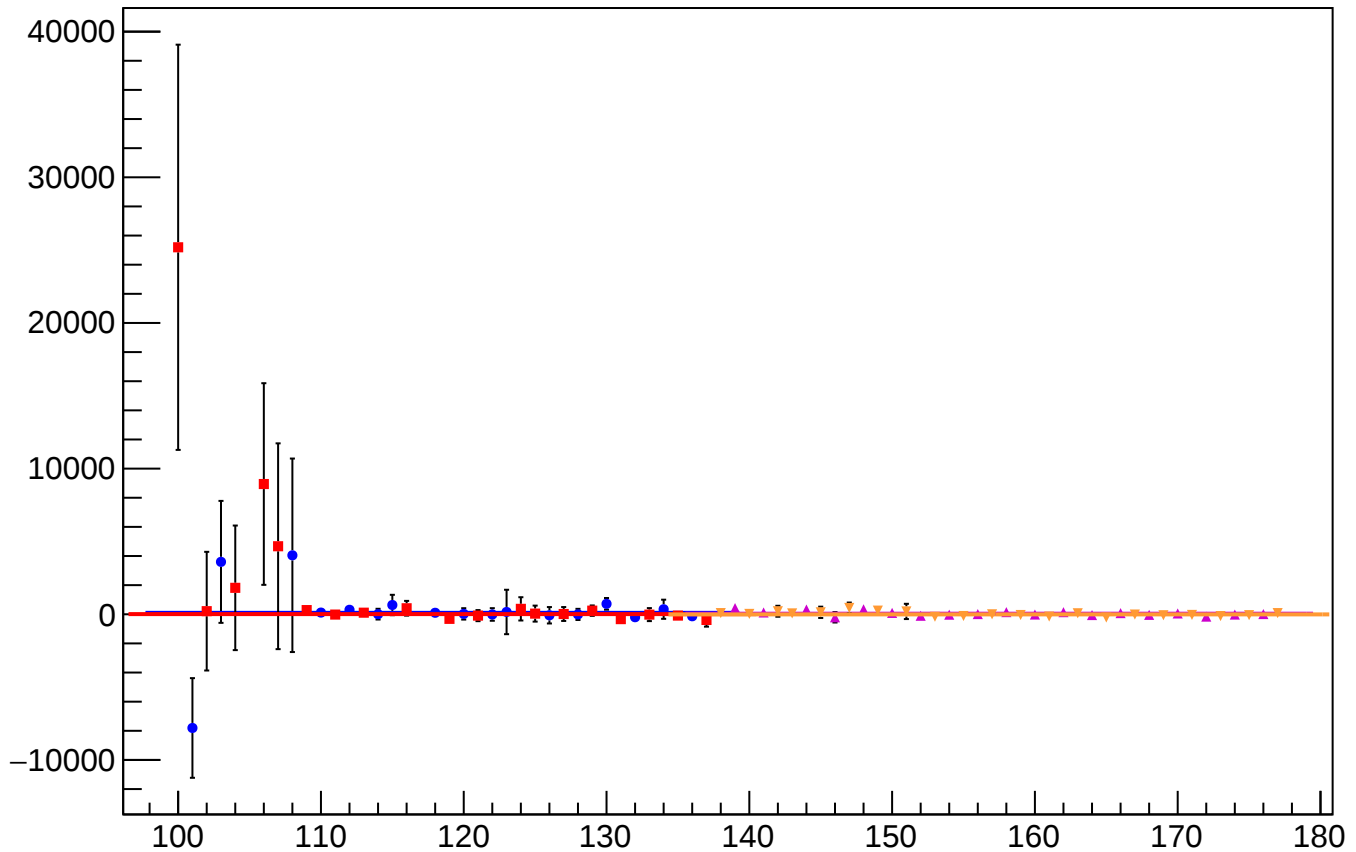
Right: 27.981+/-0.006 χ^2/NDF : 6507693.6/35

In: 28.604+/-0.005 χ^2/NDF : 3154867.8/35

Out: 28.700+/-0.004 χ^2/NDF : 3596613.7/39

All: 28.653+/-0.003 χ^2/NDF : 6751707.3/75

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: -7.954+/-55.863 χ^2/NDF : 5.6/20

Right Out: 11.728+/-81.772 χ^2/NDF : 12.3/18

Left In: 39.961+/-51.395 χ^2/NDF : 7.0/18

Left: 17.995+/-37.823 χ^2/NDF : 13.0/39

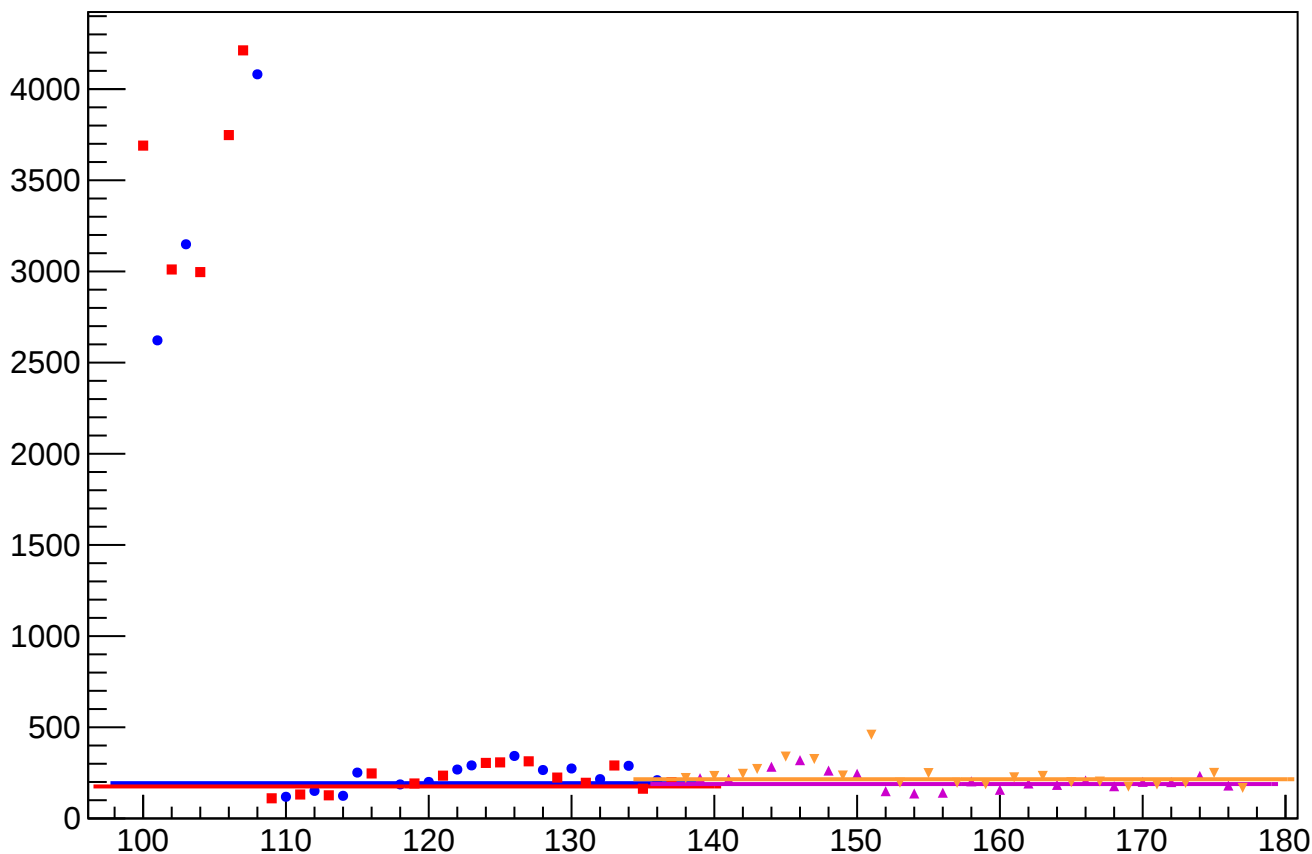
Right: 51.186+/-60.278 χ^2/NDF : 25.3/35

In: 54.461+/-44.532 χ^2/NDF : 19.9/35

Out: -1.692+/-46.127 χ^2/NDF : 17.9/39

All: 27.372+/-32.038 χ^2/NDF : 38.5/75

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: 215.100+/-0.040 χ^2/NDF :1319139.8/20

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 188.616+/-0.036 χ^2/NDF :1351963.5/18

Left: 200.756+/-0.027 χ^2/NDF : 2914557.8/39

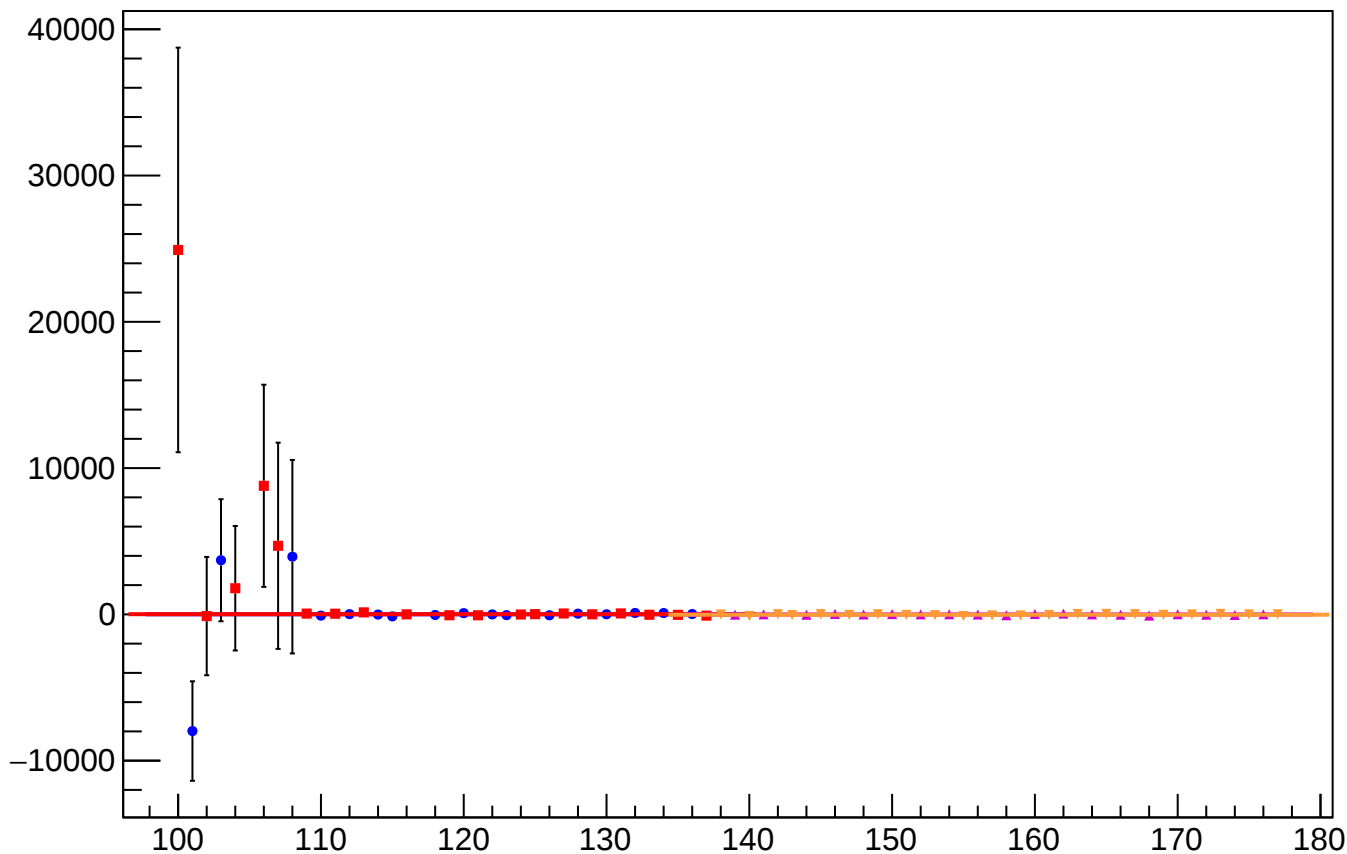
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 189.837+/-0.031 χ^2/NDF :4893443.4/35

Out: 202.502+/-0.033 χ^2/NDF :5804352.5/39

All: 195.947+/-0.023 χ^2/NDF : 10775838.0/75

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565+/-15.052 χ^2/NDF : 20.4/16

Left Out: -23.619+/-8.722 χ^2/NDF : 23.0/20

Right Out: 12.158+/-14.952 χ^2/NDF : 21.9/18

Left In: -5.021+/-9.011 χ^2/NDF : 13.0/18

Left: -14.623+/-6.267 χ^2/NDF : 38.2/39

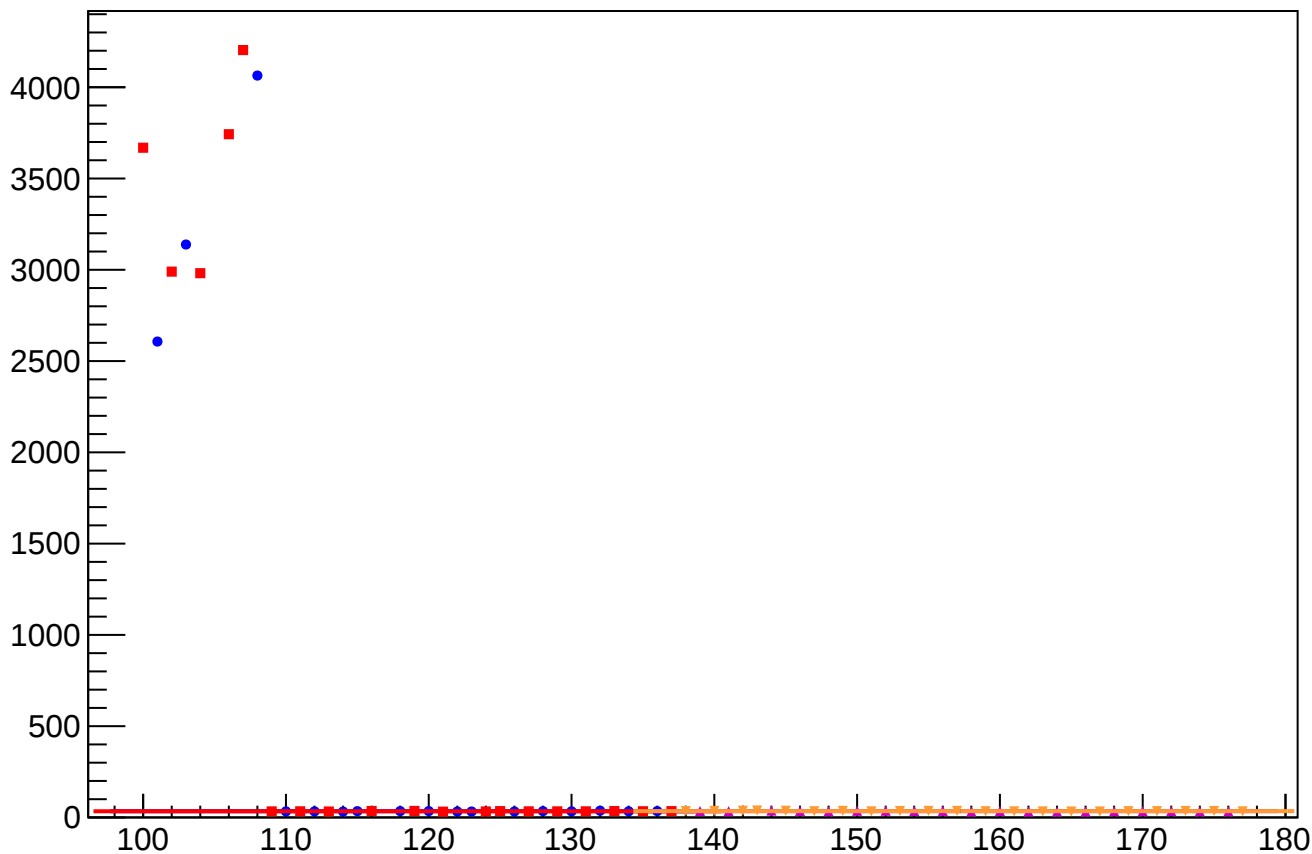
Right: 8.883+/-10.608 χ^2/NDF : 42.5/35

In: -2.228+/-7.732 χ^2/NDF : 33.8/35

Out: -14.536+/-7.534 χ^2/NDF : 49.2/39

All: -8.541+/-5.396 χ^2/NDF : 84.3/75

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: 34.693+/-0.006 χ^2 /NDF:50000.6/20

Right Out: 33.913+/-0.011 χ^2 /NDF: 3451912.6/18

Left In: 34.596+/-0.006 χ^2 /NDF:54579.1/18

Left: 34.646+/-0.004 χ^2 /NDF: 104698.1/39

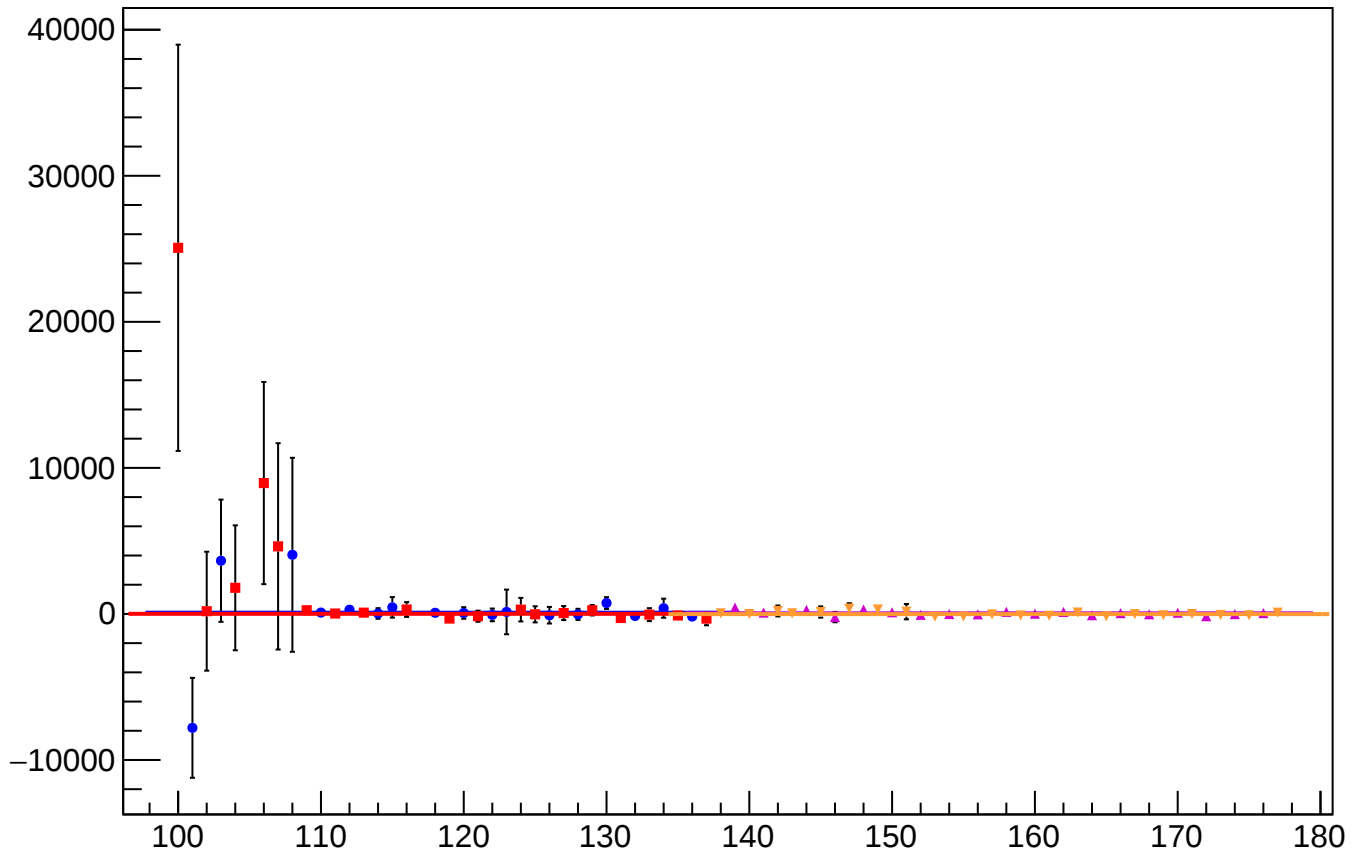
Right: 34.039+/-0.008 χ^2 /NDF: 6458714.0/35

In: 34.483+/-0.005 χ^2 /NDF:3062287.0/35

Out: 34.495+/-0.005 χ^2 /NDF:3505975.5/39

All: 34.489+/-0.004 χ^2 /NDF: 6568264.8/75

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: -10.676+/-55.804 χ^2/NDF : 5.5/20

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

Left In: 42.994+/-51.324 χ^2/NDF : 6.4/18

Left: 18.399+/-37.776 χ^2/NDF : 12.4/39

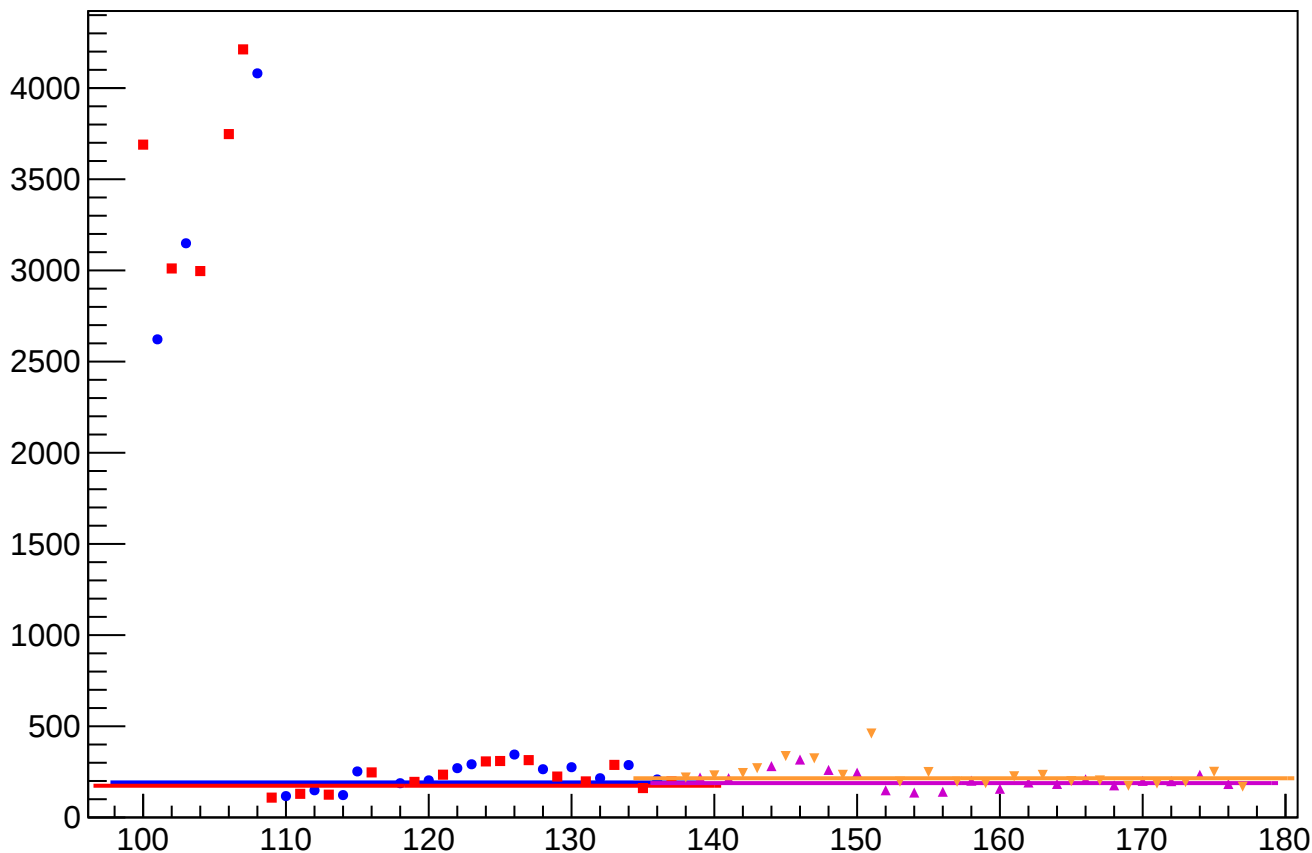
Right: 43.196+/-59.931 χ^2/NDF : 24.0/35

In: 53.398+/-44.429 χ^2/NDF : 19.1/35

Out: -4.510+/-46.001 χ^2/NDF : 16.6/39

All: 25.450+/-31.957 χ^2/NDF : 36.5/75

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: 214.911+/-0.039 χ^2/NDF :1302014.5/20

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 188.368+/-0.036 χ^2/NDF :1340548.5/18

Left: 200.531+/-0.027 χ^2/NDF : 2887691.9/39

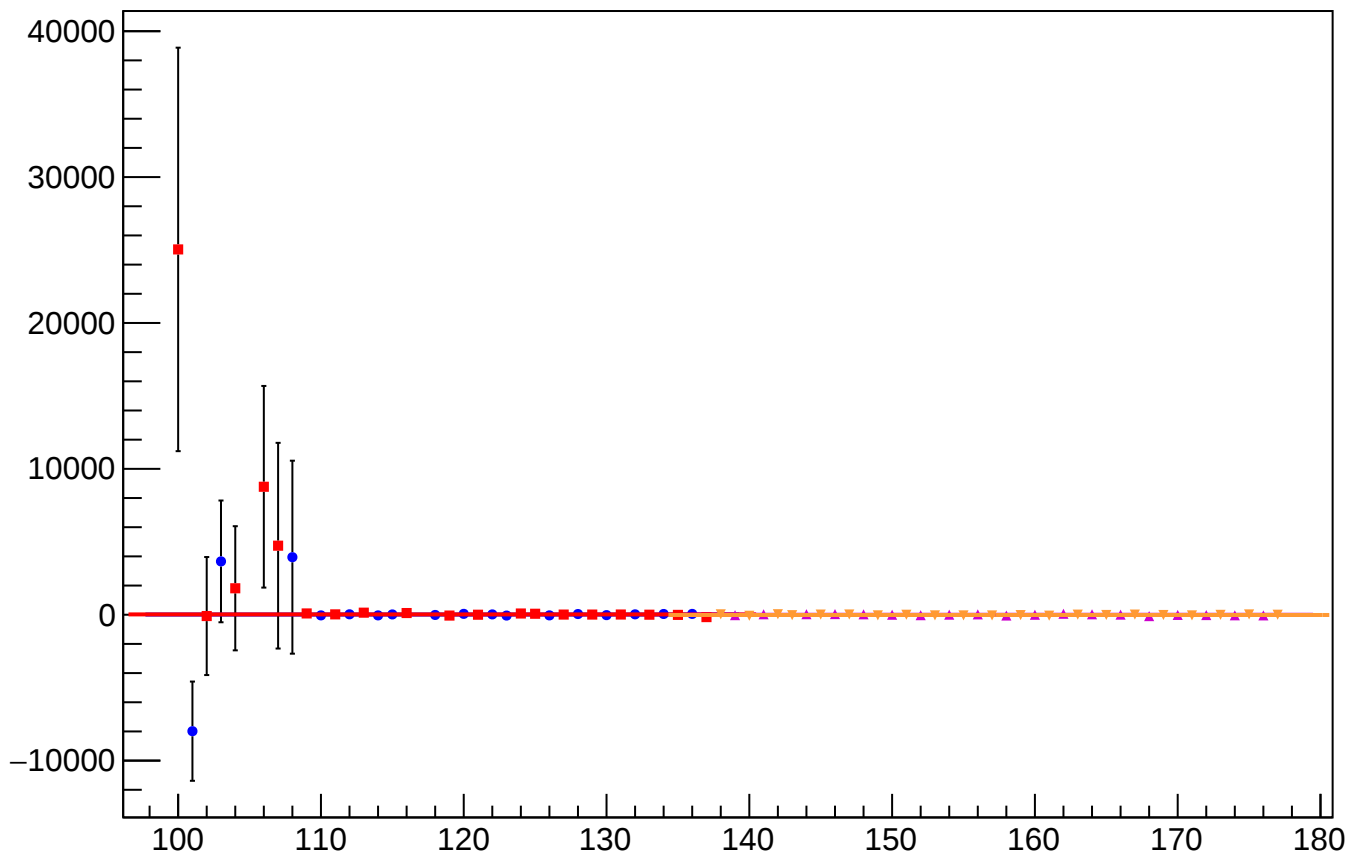
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 189.322+/-0.031 χ^2/NDF :4917926.9/35

Out: 201.787+/-0.033 χ^2/NDF :5858790.2/39

All: 195.338+/-0.023 χ^2/NDF : 10852688.3/75

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: -17.443+/-7.924 χ^2/NDF : 14.1/20

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: -2.689+/-8.191 χ^2/NDF : 24.5/18

Left: -10.310+/-5.695 χ^2/NDF : 40.3/39

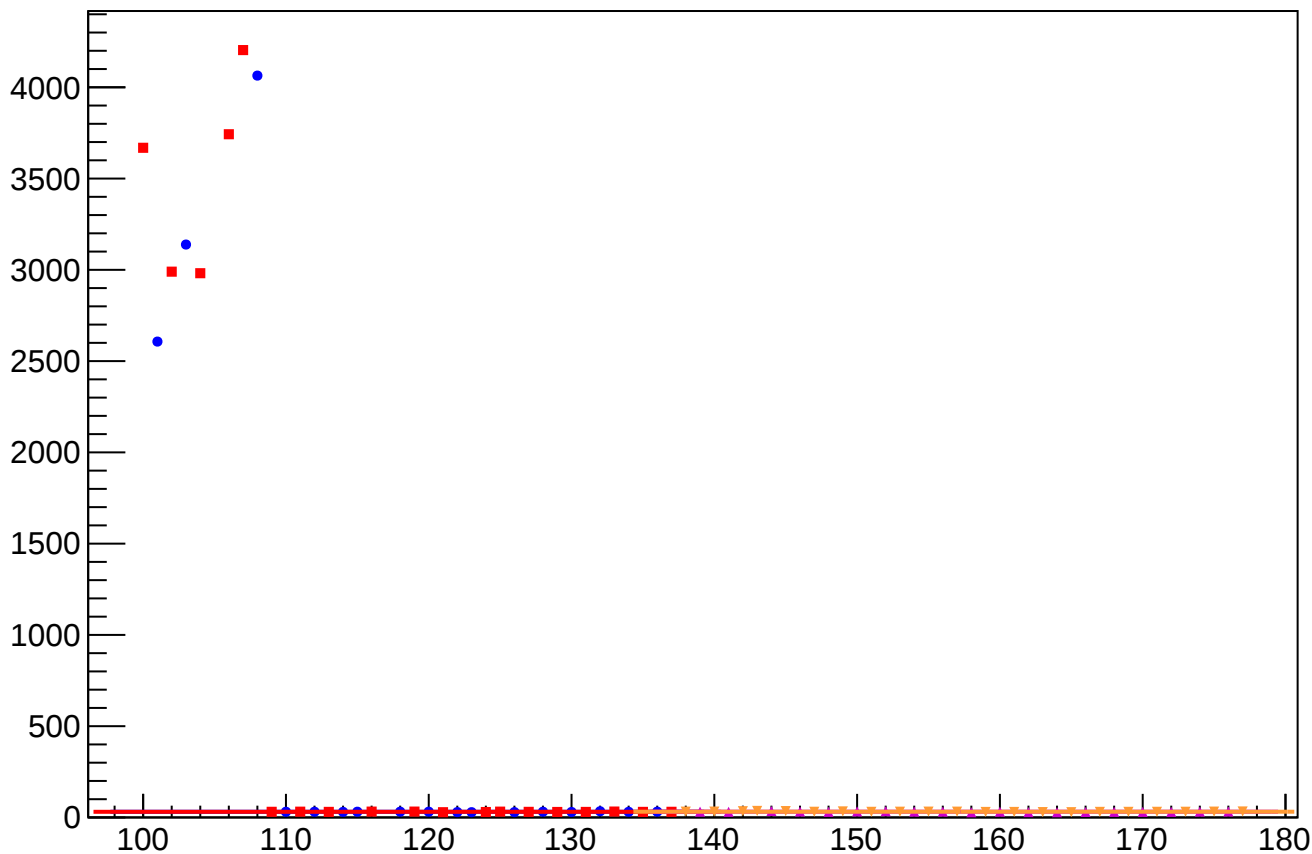
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 1.367+/-7.034 χ^2/NDF : 40.1/35

Out: -7.356+/-6.855 χ^2/NDF : 48.6/39

All: -3.107+/-4.909 χ^2/NDF : 89.4/75

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: 31.494+/-0.006 χ^2/NDF : 76908.8/20

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.408+/-0.006 χ^2/NDF : 84815.0/18

Left: 31.453+/-0.004 χ^2/NDF : 161839.1/39

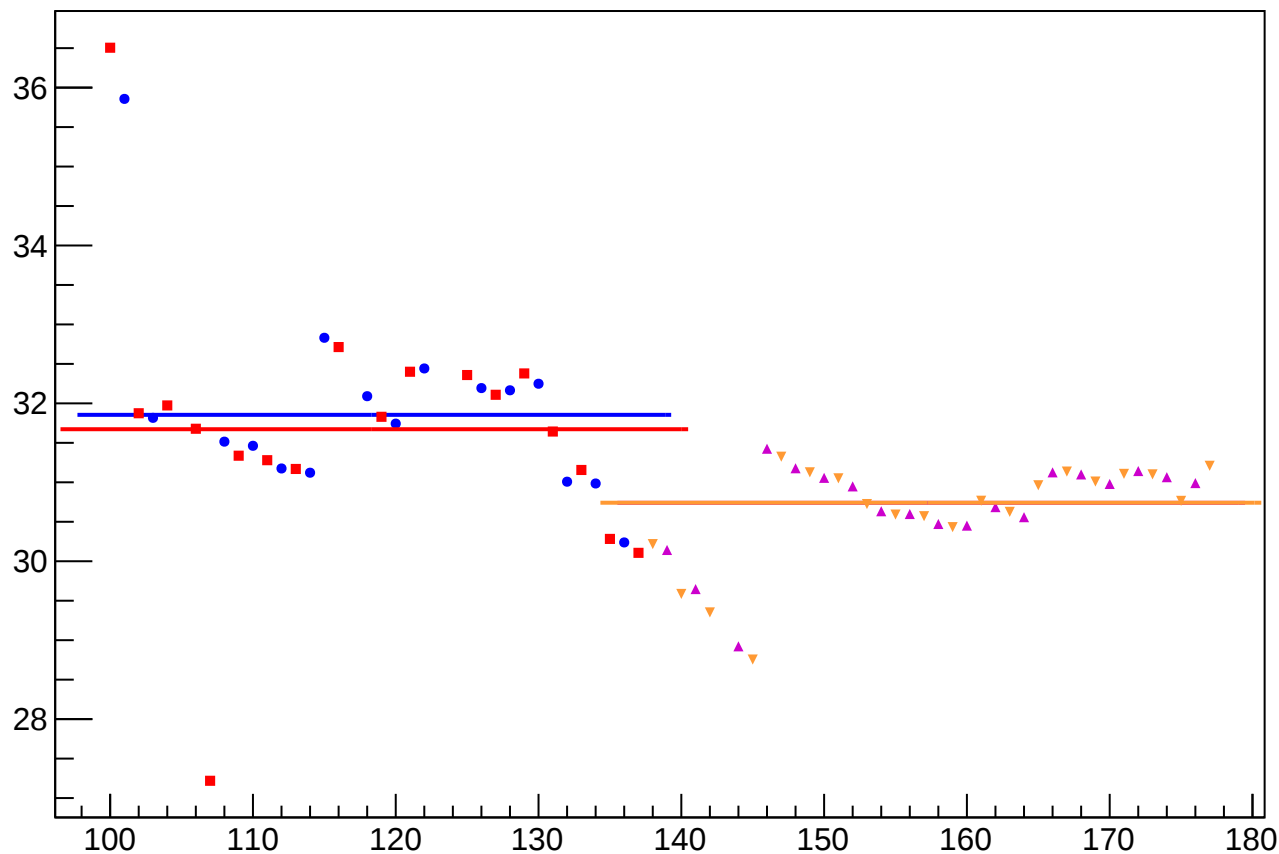
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.341+/-0.005 χ^2/NDF : 3099838.7/35

Out: 31.360+/-0.005 χ^2/NDF : 3538101.6/39

All: 31.351+/-0.003 χ^2/NDF : 6637948.3/75

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.741+/-0.000 χ^2/NDF : 750315058.5/19

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

Left In: 30.740+/-0.000 χ^2/NDF : 689151089.2/18

Left: 30.741+/-0.000 χ^2/NDF : 1439469639.0/38

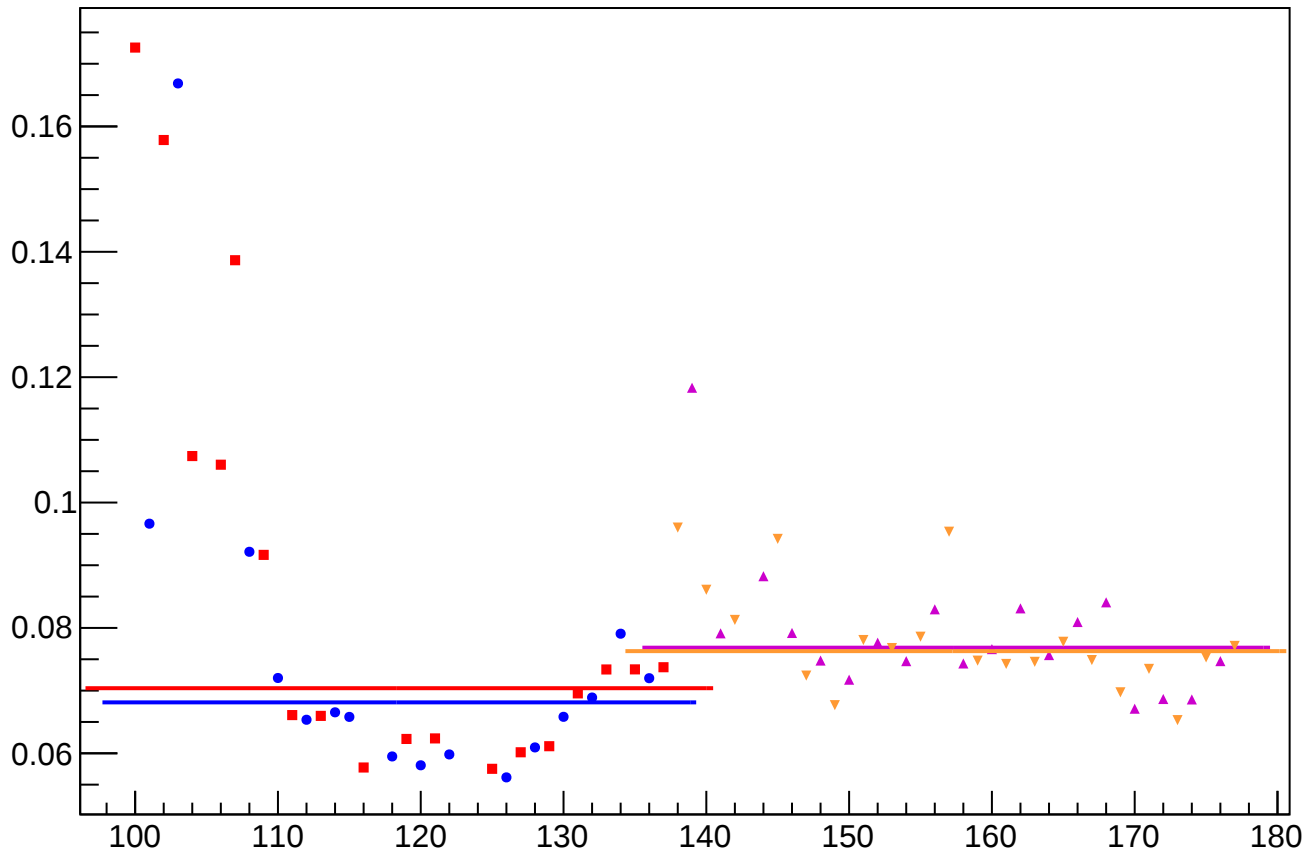
Right: 31.765+/-0.000 χ^2/NDF : 2508641774.0/33

In: 31.135+/-0.000 χ^2/NDF : 3256917422.6/34

Out: 31.055+/-0.000 χ^2/NDF : 2355024500.8/37

All: 31.095+/-0.000 χ^2/NDF : 5623503563.4/77

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF : 629767.4/15

Left Out: 0.076+/-0.000 χ^2/NDF :267394.3/19

Right Out: 0.070+/-0.000 χ^2/NDF : 841320.1/17

Left In: 0.077+/-0.000 χ^2/NDF :314779.8/18

Left: 0.077+/-0.000 χ^2/NDF : 582870.3/38

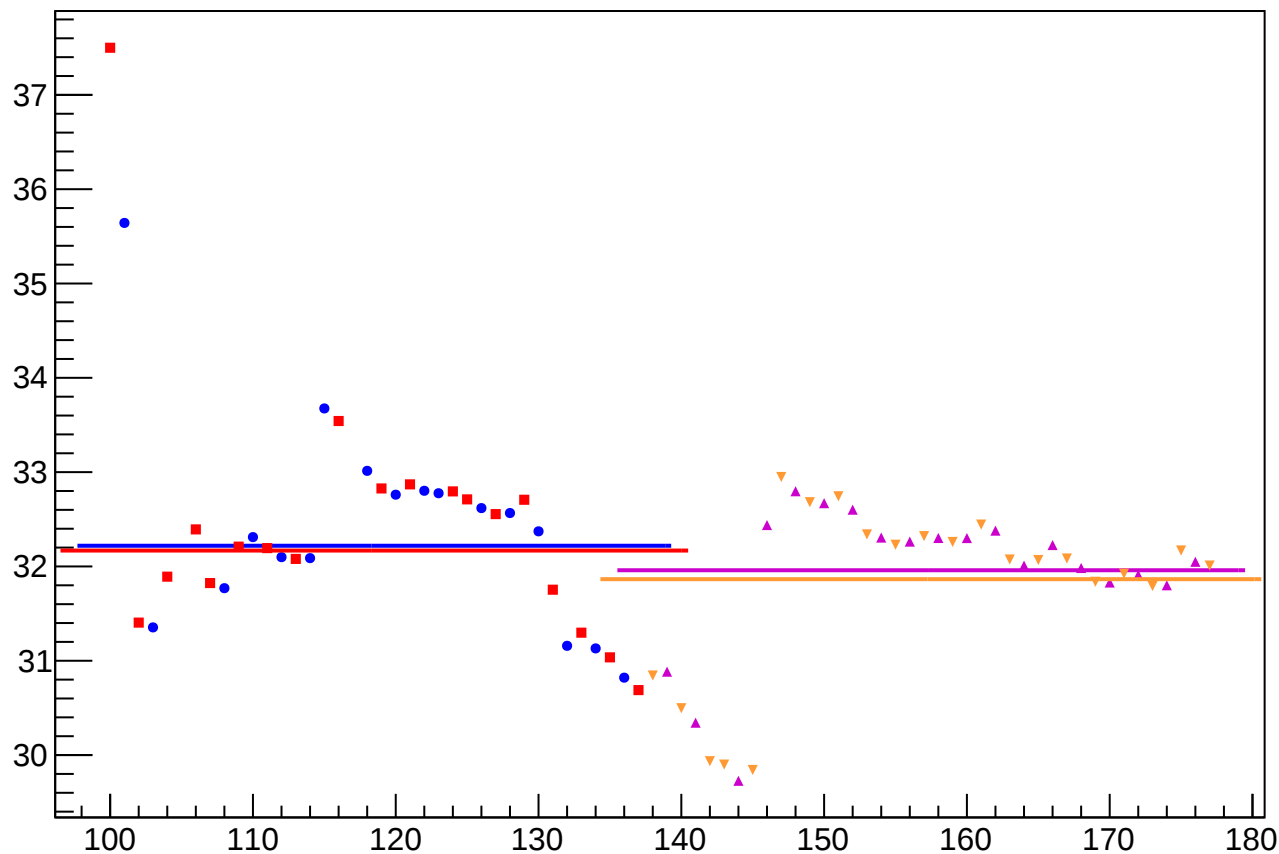
Right: 0.069+/-0.000 χ^2/NDF : 1477315.9/33

In: 0.074+/-0.000 χ^2/NDF :1066632.6/34

Out: 0.074+/-0.000 χ^2/NDF :1164115.8/37

All: 0.074+/-0.000 χ^2/NDF : 2231850.2/72

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.865+/-0.000 χ^2/NDF : 1842808445.9/20

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

Left In: 31.960+/-0.000 χ^2/NDF : 1408639550.0/18

Left: 31.911+/-0.000 χ^2/NDF : 3261987471.6/39

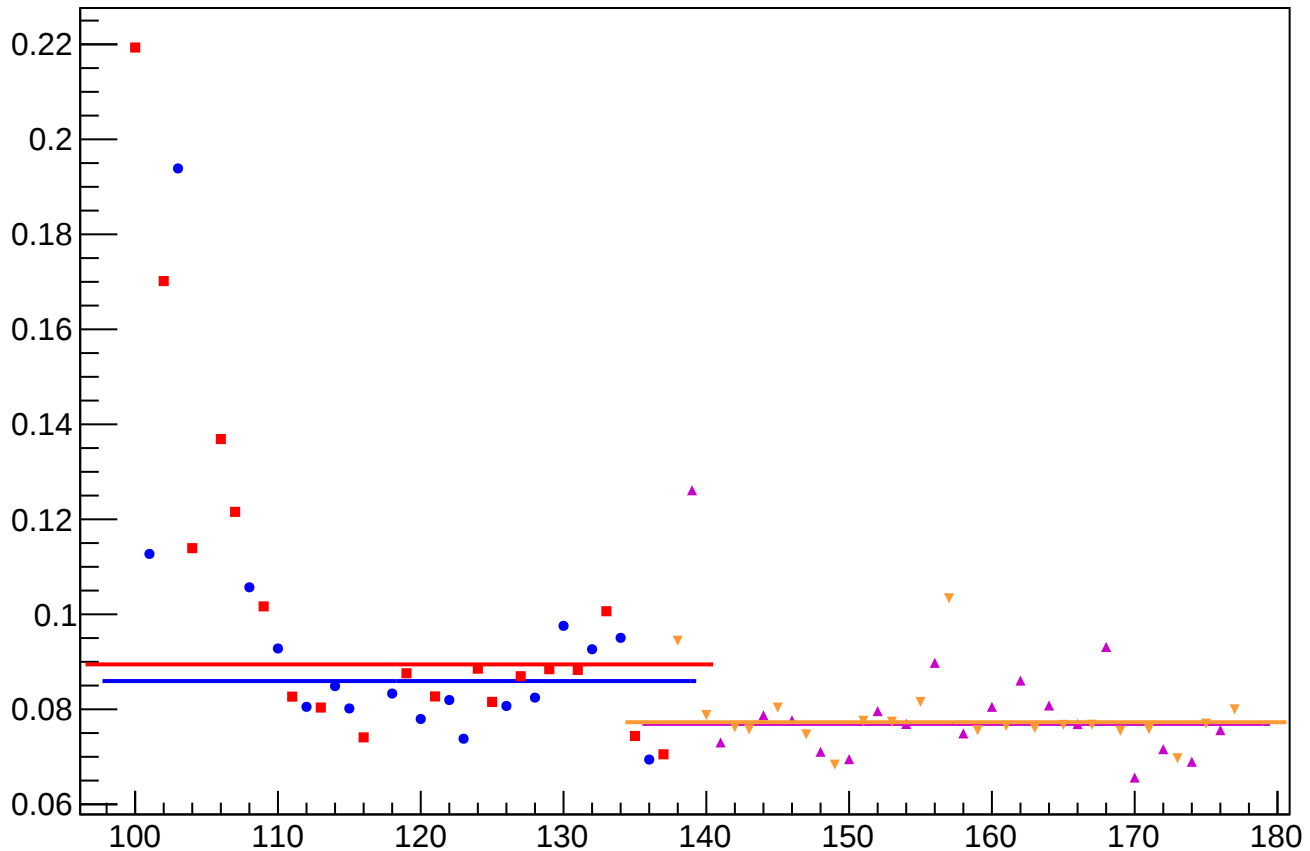
Right: 32.194+/-0.000 χ^2/NDF : 1457173552.7/35

In: 32.026+/-0.000 χ^2/NDF : 2461922355.3/35

Out: 31.938+/-0.000 χ^2/NDF : 2338745216.5/39

All: 31.981+/-0.000 χ^2/NDF : 4812752909.4/77

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.077+/-0.000 χ^2/NDF : 181937.9/20

Right Out: 0.089+/-0.000 χ^2/NDF : 539869.9/18

Left In: 0.077+/-0.000 χ^2/NDF : 421629.5/18

Left: 0.077+/-0.000 χ^2/NDF : 603873.9/39

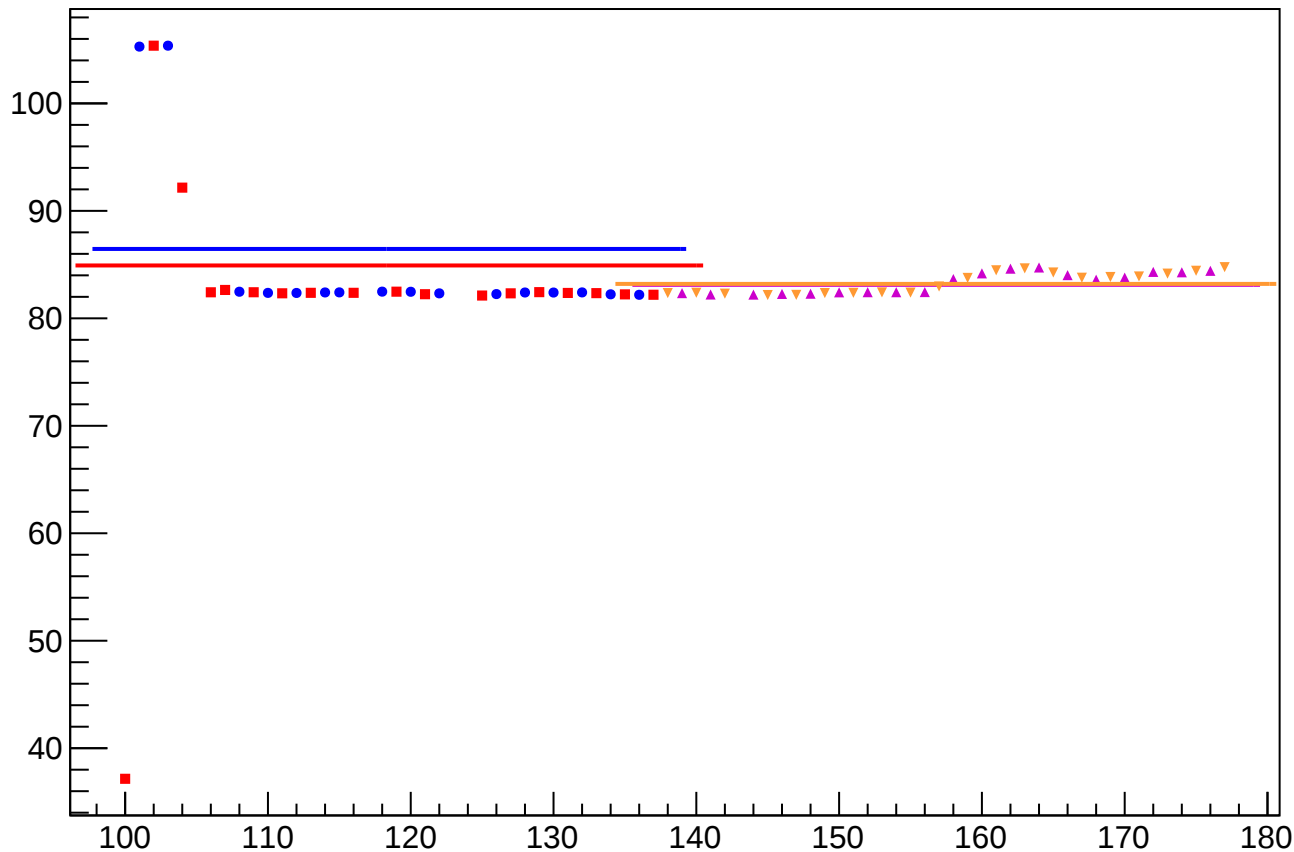
Right: 0.088+/-0.000 χ^2/NDF : 1102728.3/35

In: 0.079+/-0.000 χ^2/NDF : 1070031.6/35

Out: 0.080+/-0.000 χ^2/NDF : 894528.7/39

All: 0.080+/-0.000 χ^2/NDF : 1967631.7/75

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000

χ^2/NDF : 291421048436.2/15

Left: 83.161+/-0.000

χ^2/NDF : 12840445104.2/38

Left Out: 83.204+/-0.000

χ^2/NDF : 6581991047.8/19

Right: 85.675+/-0.000

χ^2/NDF : 468146833571.9/33

Right Out: 84.920+/-0.000

χ^2/NDF : 172195187677.7/17

In: 84.275+/-0.000

χ^2/NDF : 325112502934.1/34

Out: 83.812+/-0.000

χ^2/NDF : 186200644192.1/37

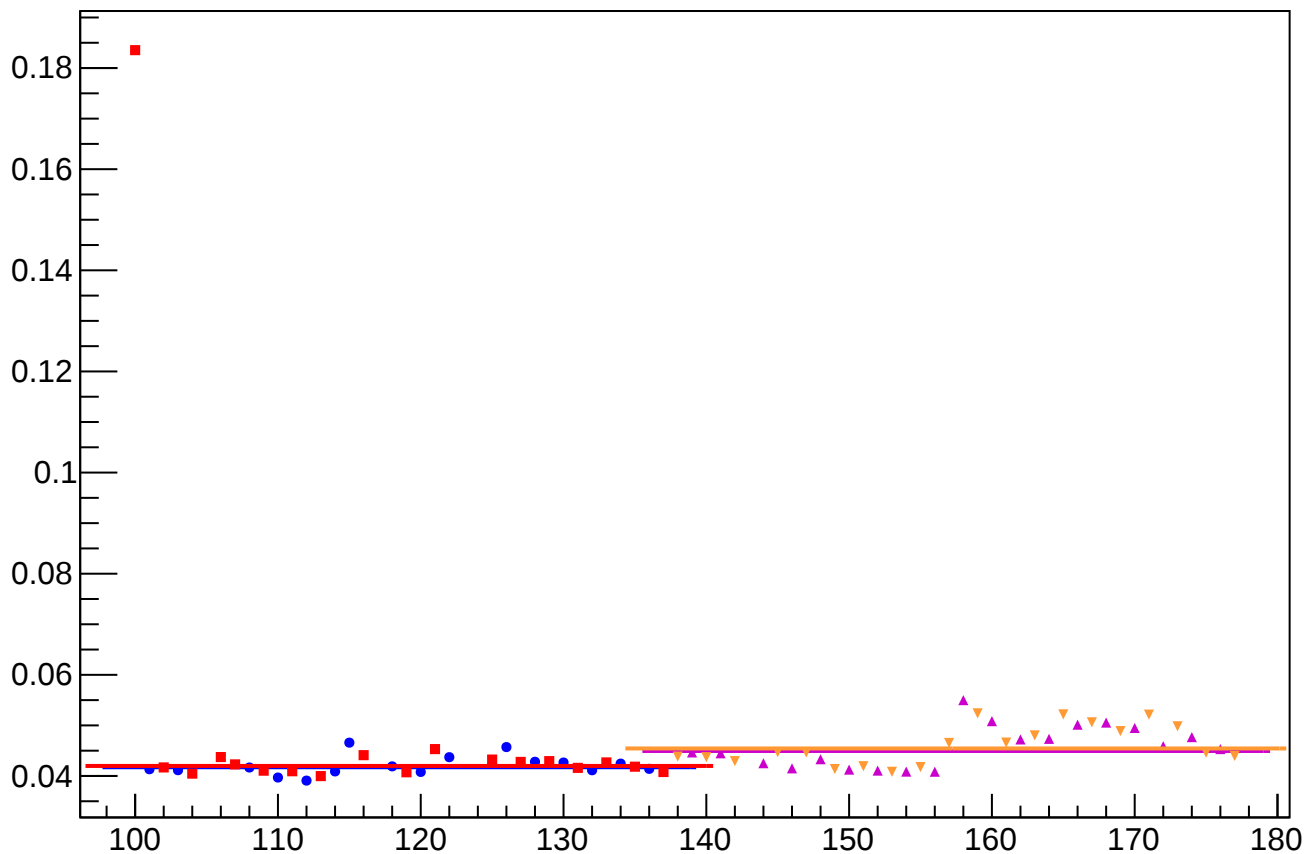
Left In: 83.117+/-0.000

χ^2/NDF : 6231827648.8/18

All: 84.042+/-0.000

χ^2/NDF : 512486751580.0

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.045+/-0.000 χ^2/NDF :180939.3/19

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

Left In: 0.045+/-0.000 χ^2/NDF :209874.9/18

Left: 0.045+/-0.000 χ^2/NDF : 392550.9/38

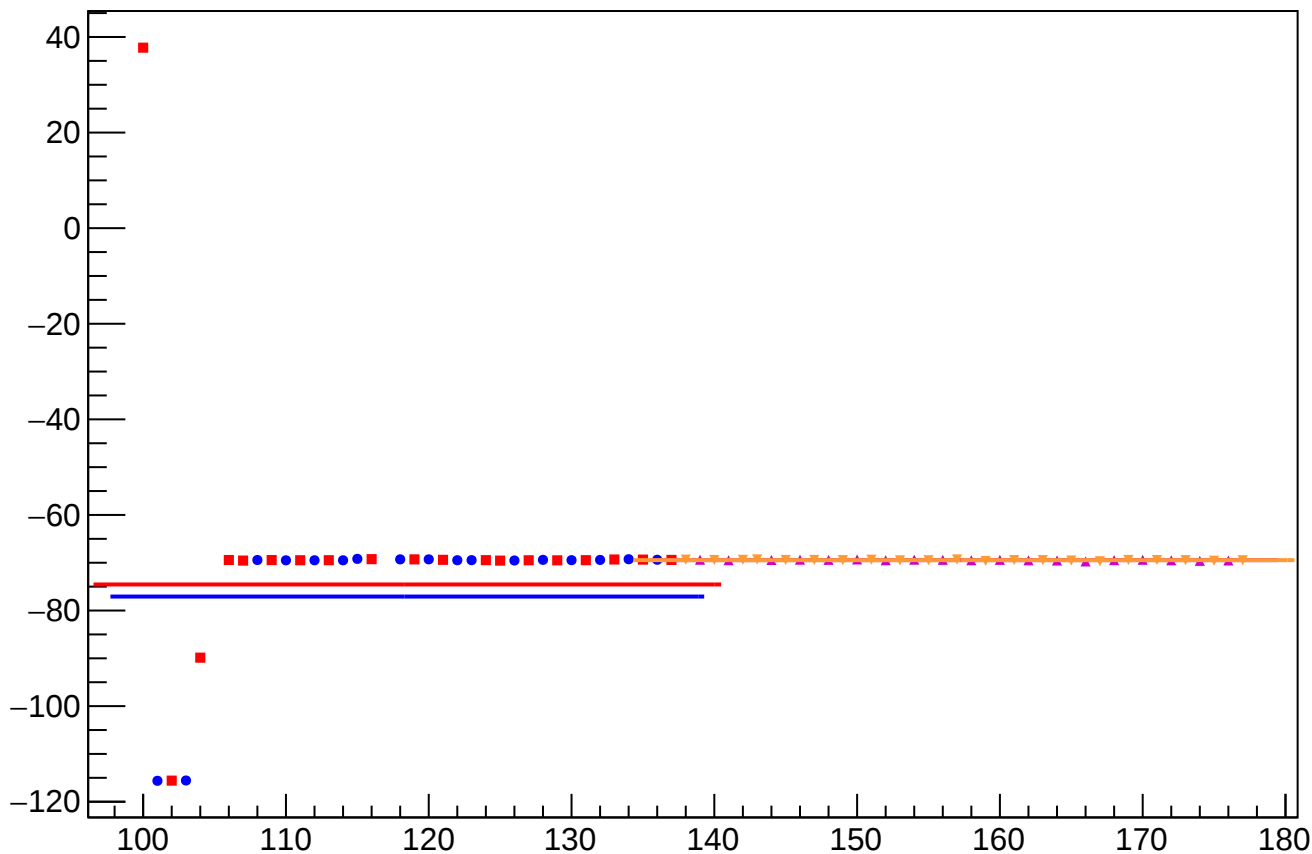
Right: 0.042+/-0.000 χ^2/NDF : 116001.6/33

In: 0.044+/-0.000 χ^2/NDF :279725.4/34

Out: 0.044+/-0.000 χ^2/NDF :338117.3/37

All: 0.044+/-0.000 χ^2/NDF : 619456.9/72

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074 $\pm$ 0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.457 $\pm$ 0.000 χ^2/NDF : 42817343.1/20

Right Out: -74.547 $\pm$ 0.000 χ^2/NDF : 371890102737.4/18

Left In: -69.446 $\pm$ 0.000 χ^2/NDF : 41421666.2/18

Left: -69.452 $\pm$ 0.000 χ^2/NDF : 84536522.7/39

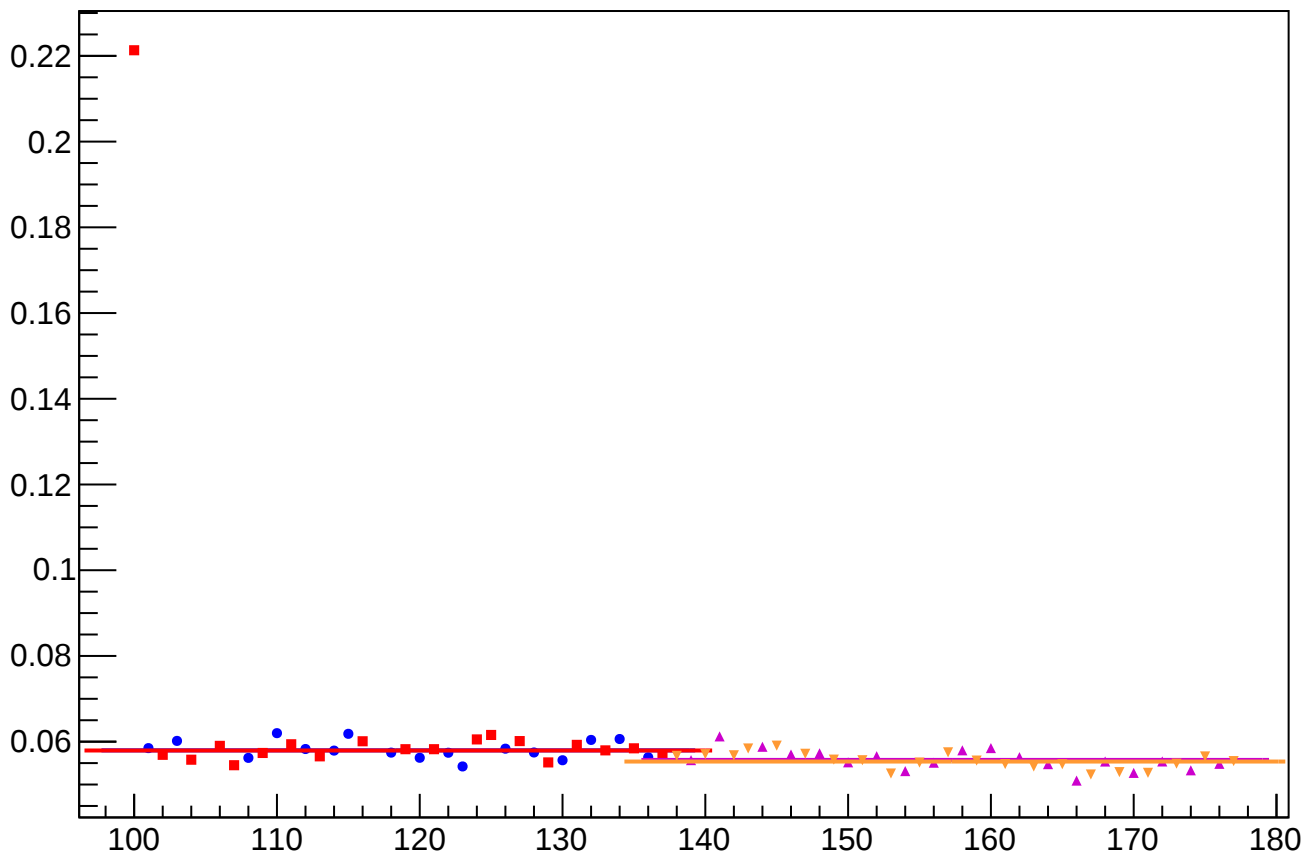
Right: -75.769 $\pm$ 0.000 χ^2/NDF : 943595296169.5/39

In: -71.693 $\pm$ 0.000 χ^2/NDF : 644033565026.0/35

Out: -70.938 $\pm$ 0.000 χ^2/NDF : 409451831403.5/39

All: -71.301 $\pm$ 0.000 χ^2/NDF : 105541391856

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.055+/-0.000 χ^2/NDF : 34073.8/20

Right Out: 0.058+/-0.000 χ^2/NDF : 86466.5/18

Left In: 0.056+/-0.000 χ^2/NDF : 48878.4/18

Left: 0.056+/-0.000 χ^2/NDF : 83637.7/39

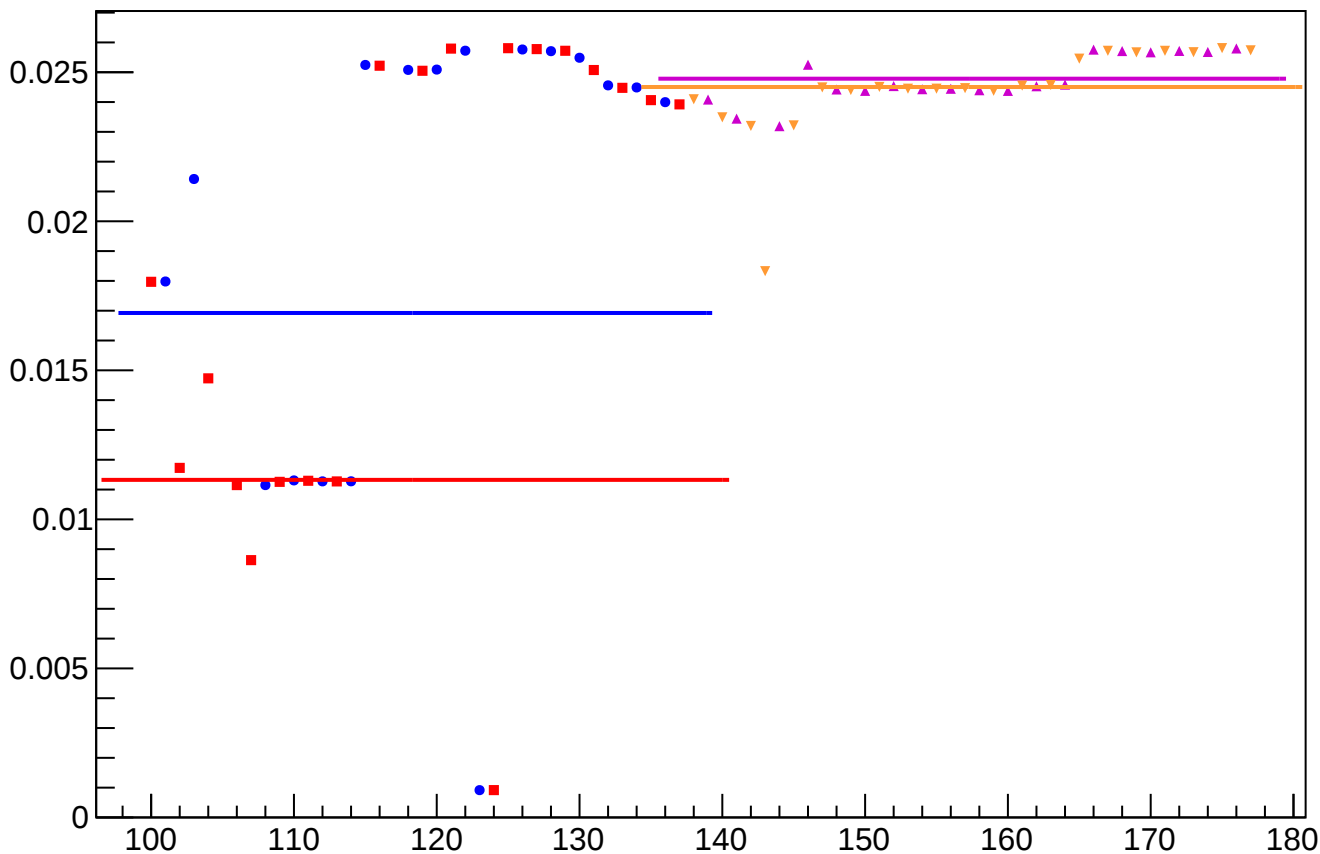
Right: 0.058+/-0.000 χ^2/NDF : 98743.9/35

In: 0.056+/-0.000 χ^2/NDF : 74585.1/35

Out: 0.056+/-0.000 χ^2/NDF : 139799.5/39

All: 0.056+/-0.000 χ^2/NDF : 214936.2/75

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000

χ^2/NDF : 126447785006.7/16

Left: 0.025 $\pm$ 0.000

χ^2/NDF : 9335615499.9/39

Left Out: 0.025 $\pm$ 0.000

χ^2/NDF : 7581943768.3/20

Right: 0.014 $\pm$ 0.000

χ^2/NDF : 392122680736.2/35

Right Out: 0.011 $\pm$ 0.000

χ^2/NDF : 234754769754.2/18

In: 0.022 $\pm$ 0.000

χ^2/NDF : 193934859866.9/35

Out: 0.019 $\pm$ 0.000

χ^2/NDF : 478545060203.4/39

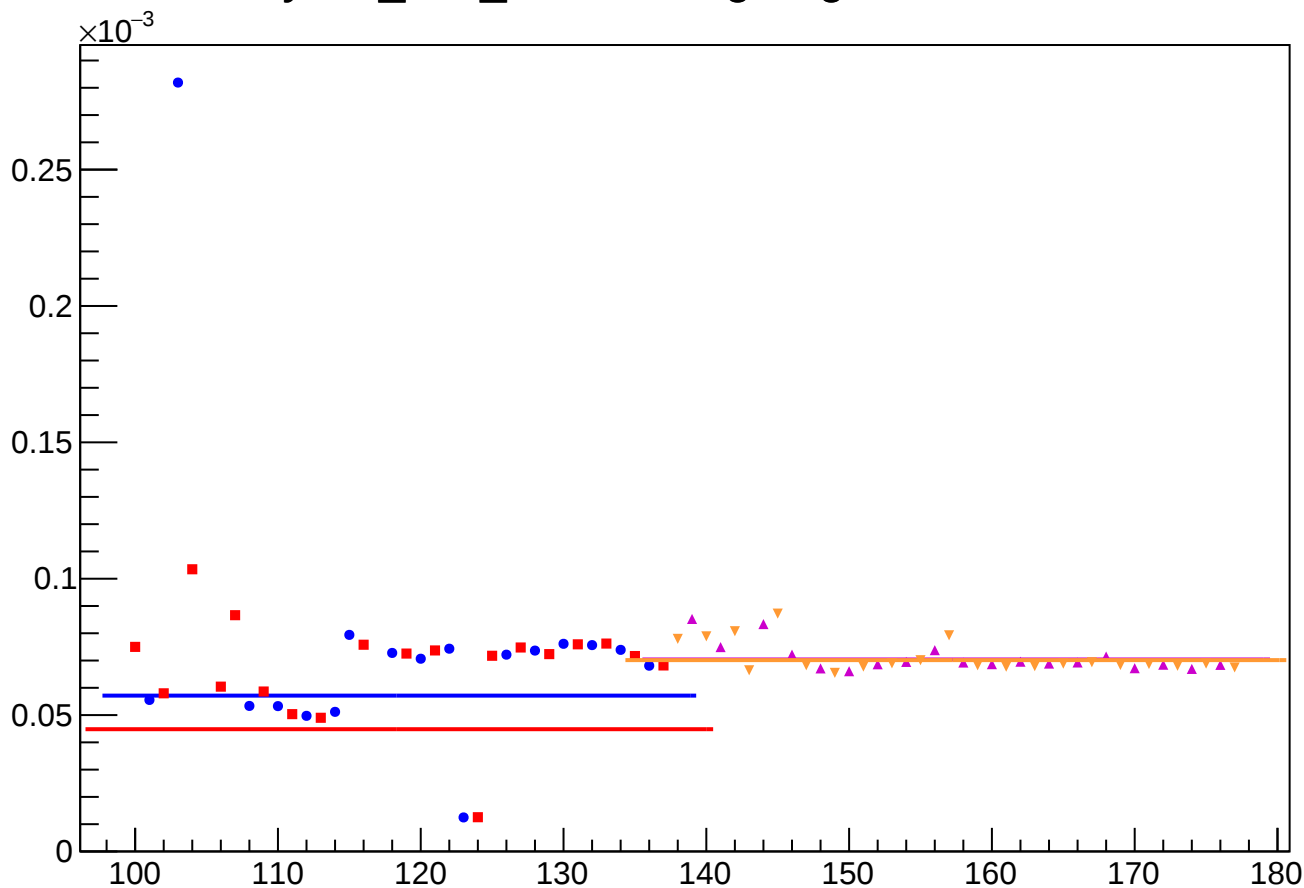
Left In: 0.025 $\pm$ 0.000

χ^2/NDF : 1635459502.9/18

All: 0.020 $\pm$ 0.000

χ^2/NDF : 696866649346.0

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 :149184.8/20

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :119011.6/18

Left: 0.000+/-0.000 χ^2/NDF : 268374.9/39

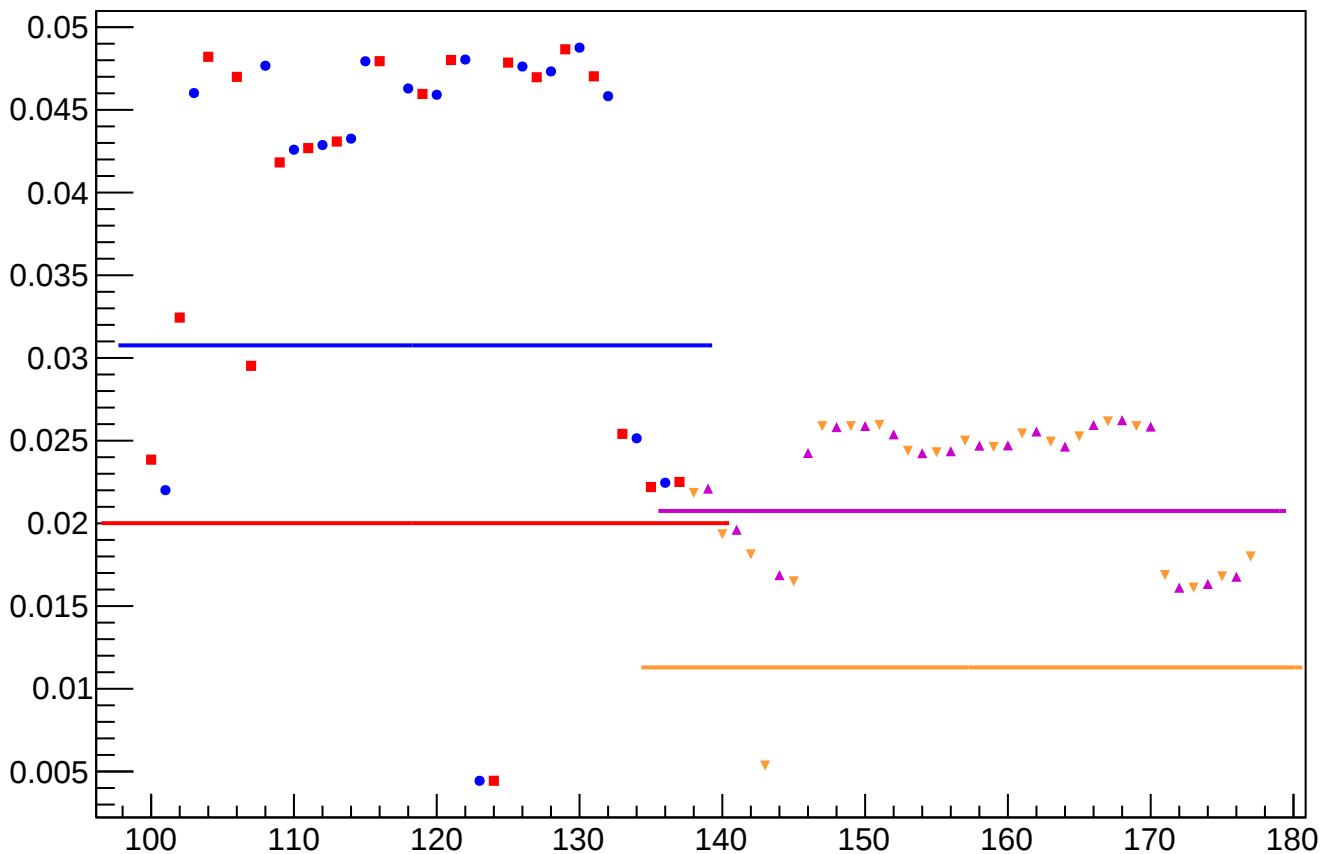
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2494221.4/35

Out: 0.000+/-0.000 χ^2/NDF :5486332.8/39

All: 0.000+/-0.000 χ^2/NDF : 8184227.1/75

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.011+/-0.000 χ^2/NDF : 35203427615.2/20

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

Left In: 0.021+/-0.000 χ^2/NDF : 3790880626.6/18

Left: 0.014+/-0.000 χ^2/NDF : 52665210982.0/39

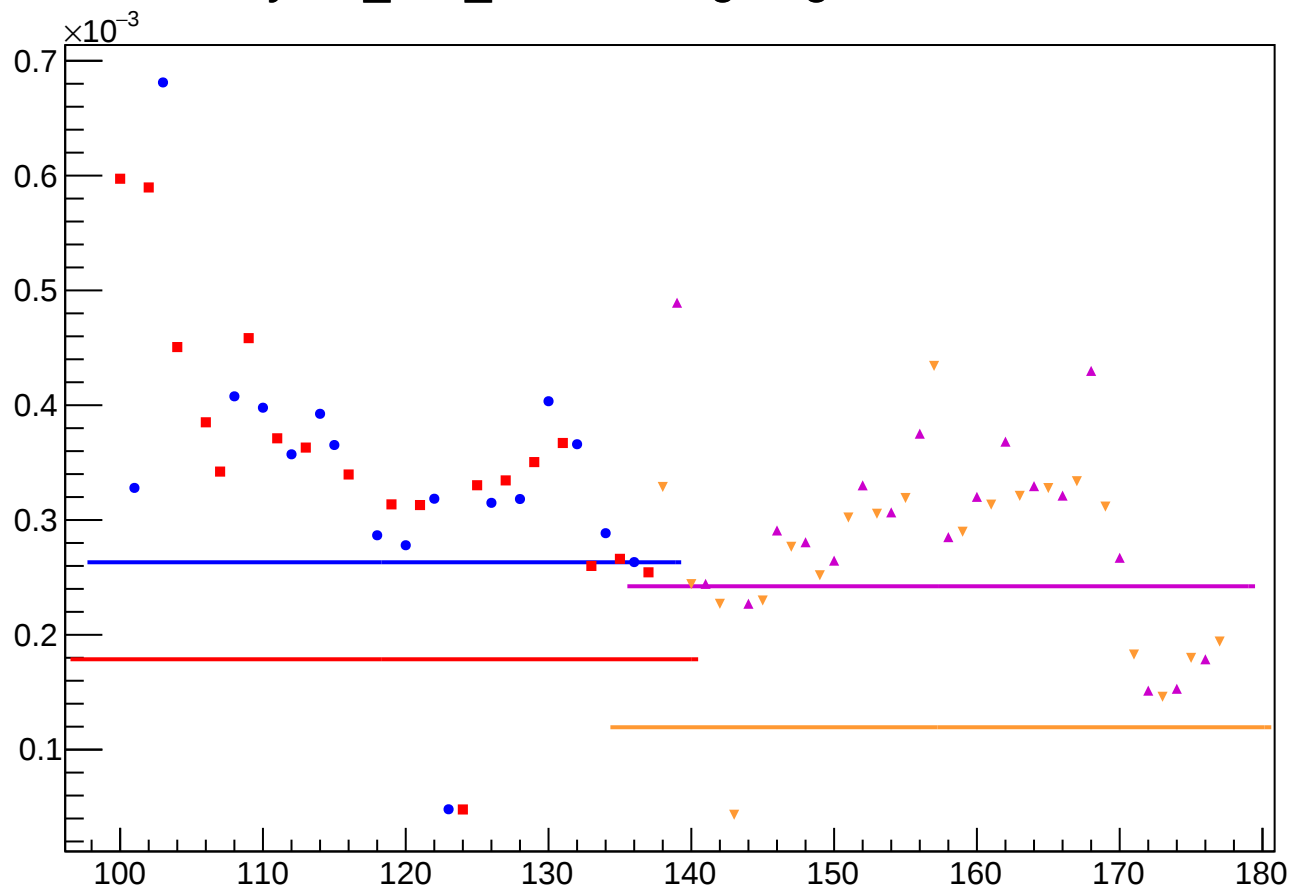
Right: 0.024+/-0.000 χ^2/NDF : 66286425044.9/35

In: 0.023+/-0.000 χ^2/NDF : 30263181378.7/35

Out: 0.013+/-0.000 χ^2/NDF : 82617152226.6/39

All: 0.016+/-0.000 χ^2/NDF : 134841180405.4

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :12422688.8/20

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF :2704023.5/18

Left: 0.000+/-0.000 χ^2/NDF : 19735148.5/39

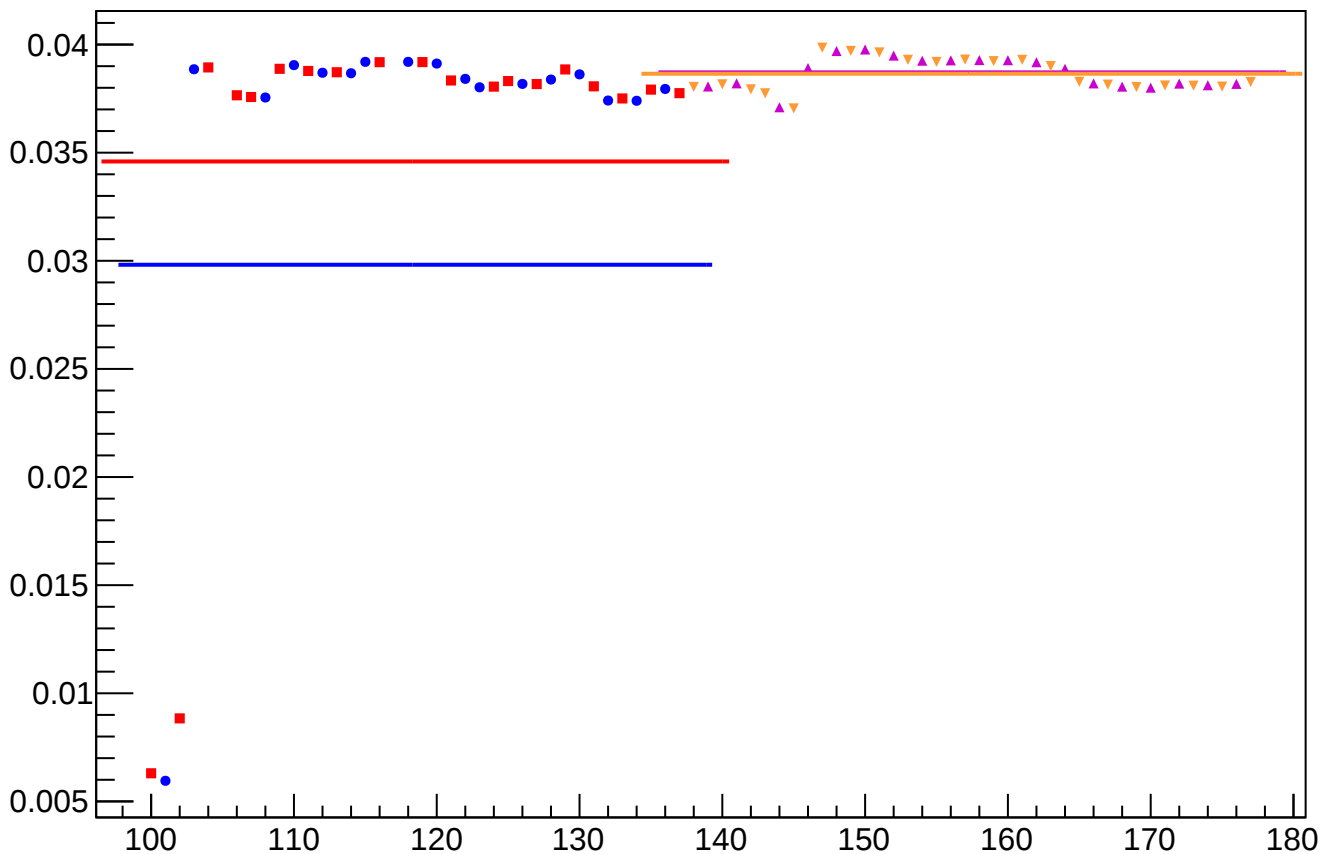
Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF :5151242.8/35

Out: 0.000+/-0.000 χ^2/NDF :18446045.9/39

All: 0.000+/-0.000 χ^2/NDF : 29133852.2/75

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 488232158.2/20

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 426590488.9/18

Left: 0.039 $\pm$ 0.000 χ^2 /NDF: 916647237.0/39

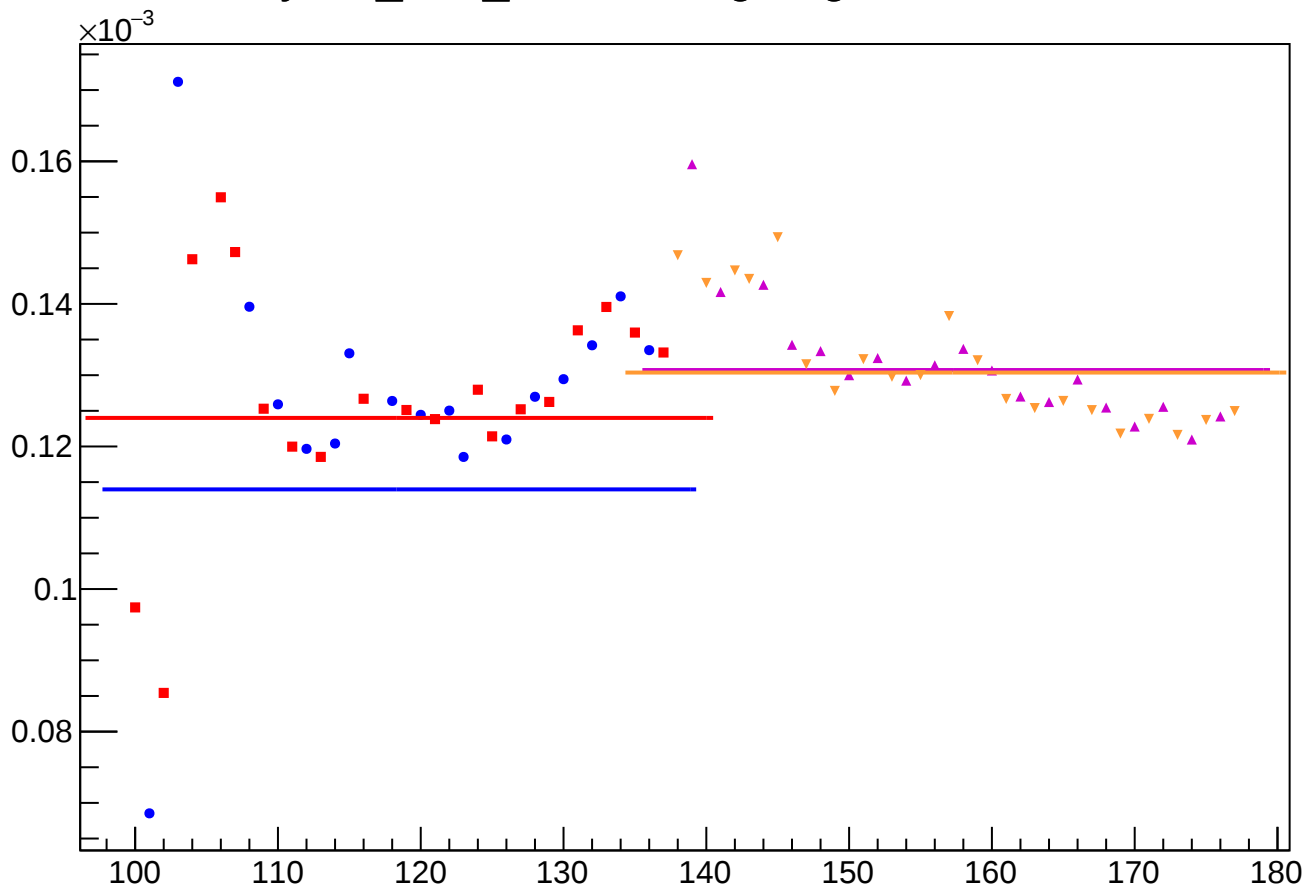
Right: 0.032 $\pm$ 0.000 χ^2 /NDF: 145974720907.4/35

In: 0.036 $\pm$ 0.000 χ^2 /NDF: 121545210056.6/35

Out: 0.037 $\pm$ 0.000 χ^2 /NDF: 48978448258.3/39

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 172721963091.1

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :112715.8/20

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

Left In: 0.000+/-0.000 χ^2/NDF :99918.8/18

Left: 0.000+/-0.000 χ^2/NDF : 212743.9/39

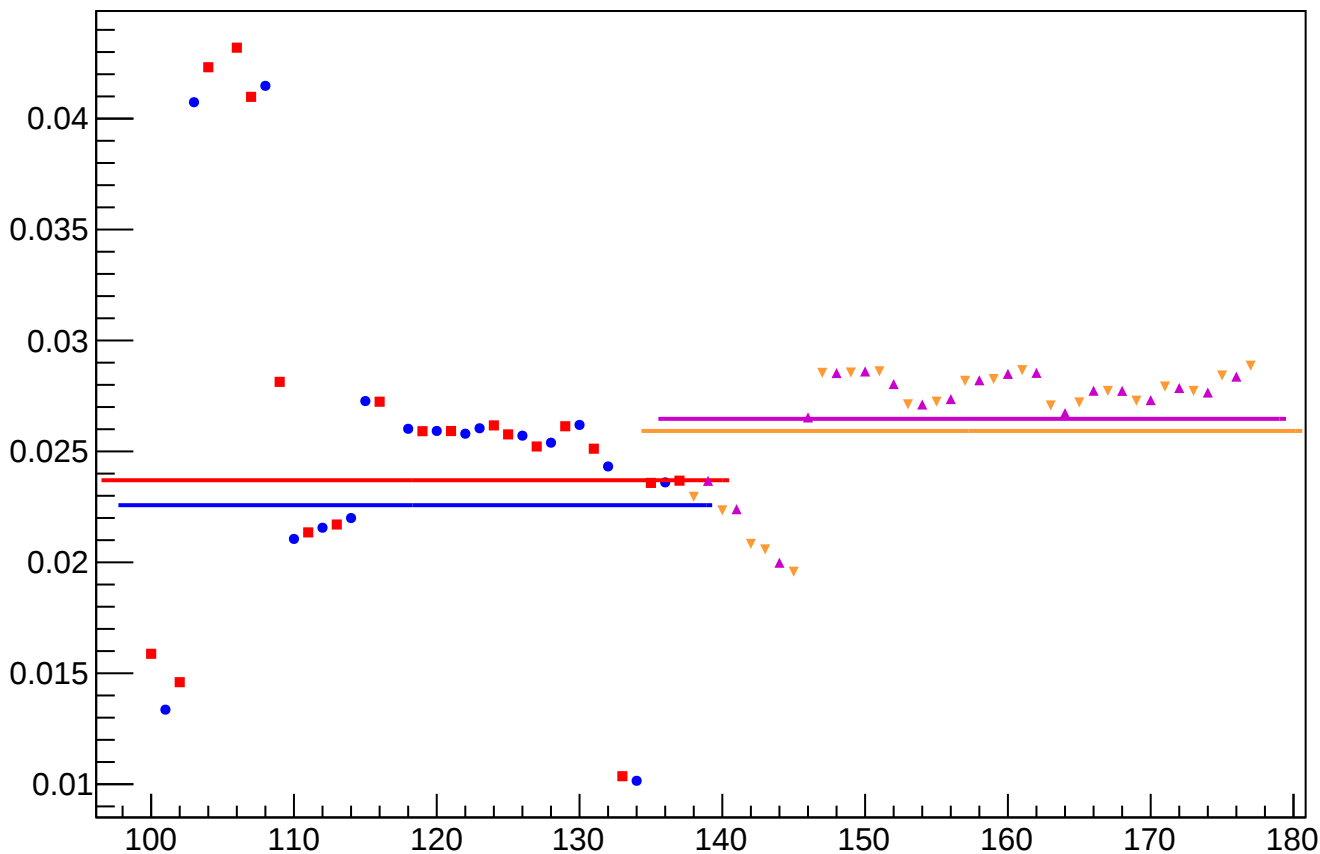
Right: 0.000+/-0.000 χ^2/NDF : 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF :1064213.7/35

Out: 0.000+/-0.000 χ^2/NDF :381603.7/39

All: 0.000+/-0.000 χ^2/NDF : 1463045.7/75

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 4247774712.9/16

Left Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 1851753765.5/20

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5651397656.1/18

Left In: 0.026 $\pm$ 0.000 χ^2 /NDF: 1206849595.3/18

Left: 0.026 $\pm$ 0.000 χ^2 /NDF: 3083161957.4/39

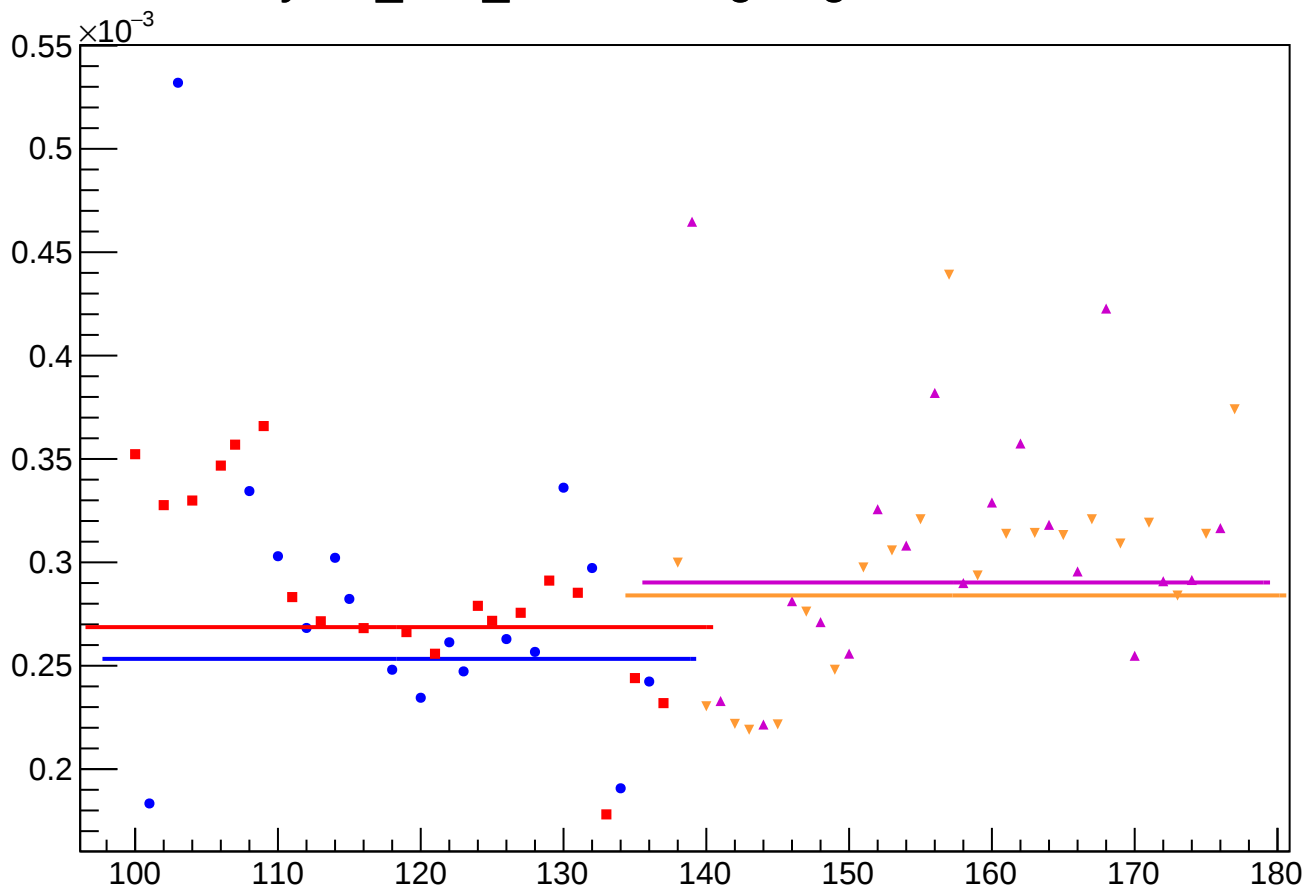
Right: 0.023 $\pm$ 0.000 χ^2 /NDF: 9954563356.3/35

In: 0.025 $\pm$ 0.000 χ^2 /NDF: 6322825633.7/35

Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7784966344.2/39

All: 0.025 $\pm$ 0.000 χ^2 /NDF: 14110218361.3/77

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 : 729942.5/20

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF : 851257.6/18

Left: 0.000+/-0.000 χ^2/NDF : 1587659.9/39

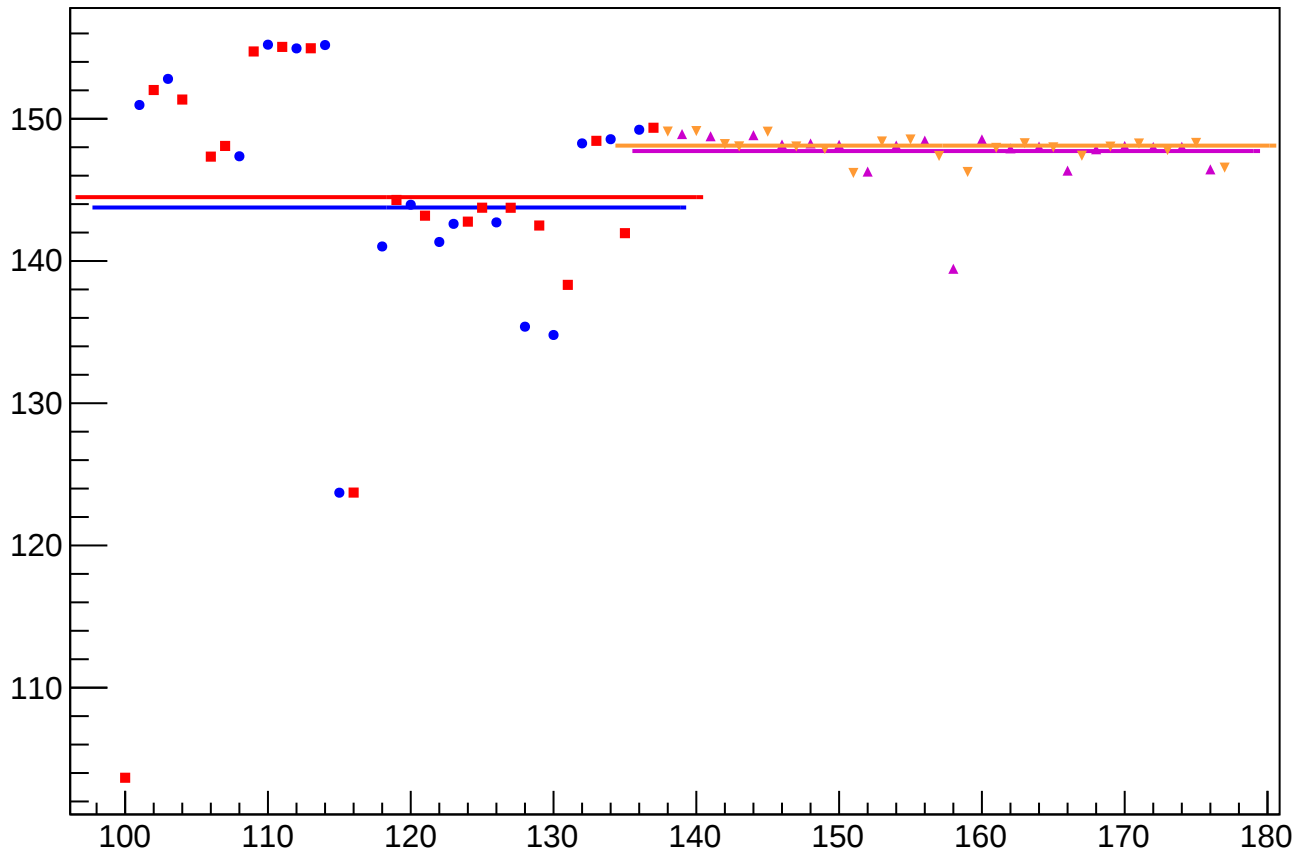
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF : 1636927.8/35

Out: 0.000+/-0.000 χ^2/NDF : 1185123.5/39

All: 0.000+/-0.000 χ^2/NDF : 2823206.0/75

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.114+/-0.000 χ^2/NDF : 59802532.6/20

Right Out: 144.490+/-0.000 χ^2/NDF : 4182548232.5/18

Left In: 147.730+/-0.000 χ^2/NDF : 330346337.4/18

Left: 147.930+/-0.000 χ^2/NDF : 396106887.7/39

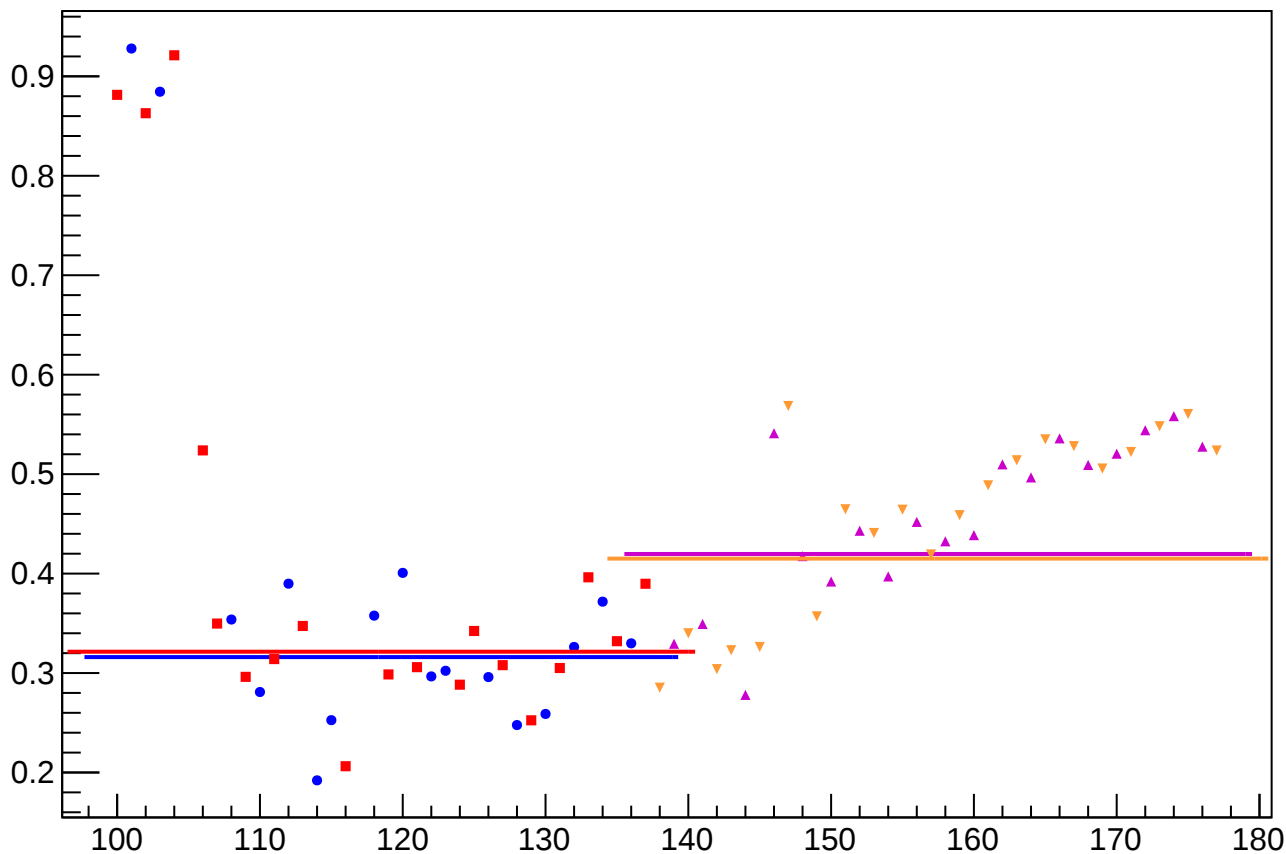
Right: 144.130+/-0.000 χ^2/NDF : 7732099987.4/35

In: 146.079+/-0.000 χ^2/NDF : 4376171186.0/35

Out: 146.661+/-0.000 χ^2/NDF : 4688198116.0/39

All: 146.378+/-0.000 χ^2/NDF : 9087627560.5

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.415+/-0.000 χ^2/NDF : 1491267.5/20

Right Out: 0.321+/-0.000 χ^2/NDF : 1219073.9/18

Left In: 0.420+/-0.000 χ^2/NDF : 1179038.5/18

Left: 0.417+/-0.000 χ^2/NDF : 2672070.1/39

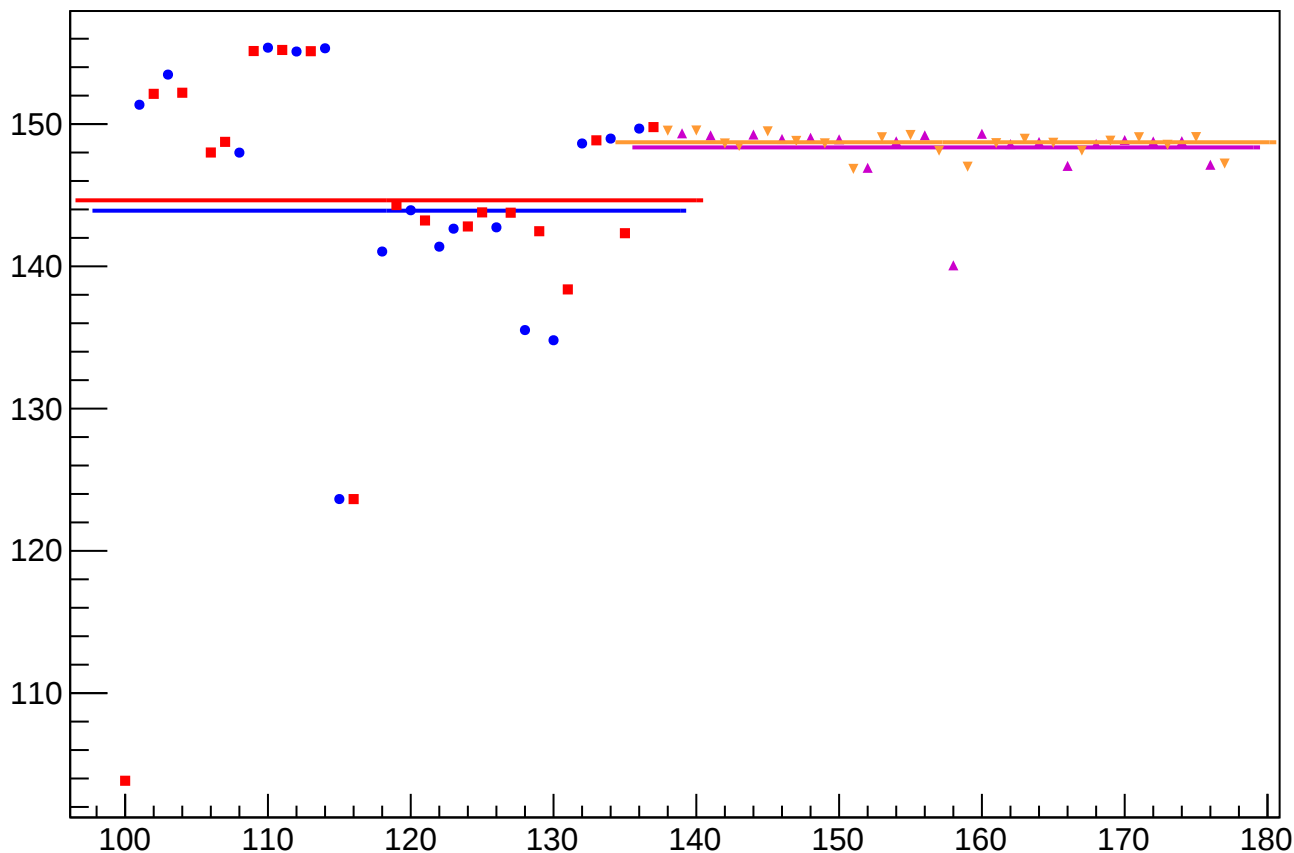
Right: 0.319+/-0.000 χ^2/NDF : 2486648.0/35

In: 0.377+/-0.000 χ^2/NDF : 3143046.7/35

Out: 0.378+/-0.000 χ^2/NDF : 3305376.3/39

All: 0.377+/-0.000 χ^2/NDF : 6448552.6/75

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.722 $\pm$ 0.000 χ^2 /NDF: 47846181.5/20

Right Out: 144.640 $\pm$ 0.000 χ^2 /NDF: 4209610240.4/18

Left In: 148.360 $\pm$ 0.000 χ^2 /NDF: 319502619.7/18

Left: 148.549 $\pm$ 0.000 χ^2 /NDF: 372564986.0/39

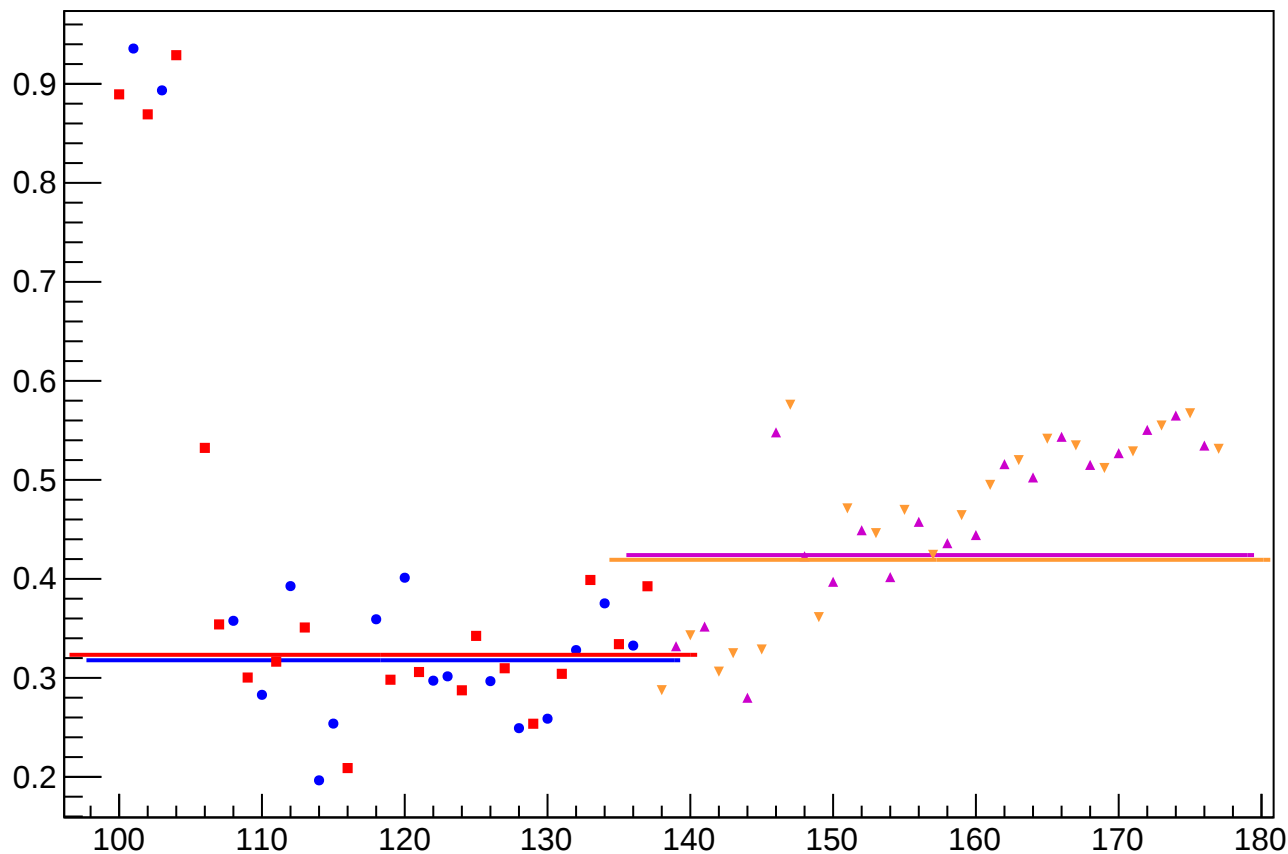
Right: 144.280 $\pm$ 0.000 χ^2 /NDF: 7812104995.9/35

In: 146.498 $\pm$ 0.000 χ^2 /NDF: 4539714607.6/35

Out: 147.077 $\pm$ 0.000 χ^2 /NDF: 4814486776.5/39

All: 146.796 $\pm$ 0.000 χ^2 /NDF: 9376824240.1

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.419+/-0.000 χ^2/NDF :1518135.1/20

Right Out: 0.323+/-0.000 χ^2/NDF : 1222241.9/18

Left In: 0.424+/-0.000 χ^2/NDF :1200911.7/18

Left: 0.422+/-0.000 χ^2/NDF : 2720855.2/39

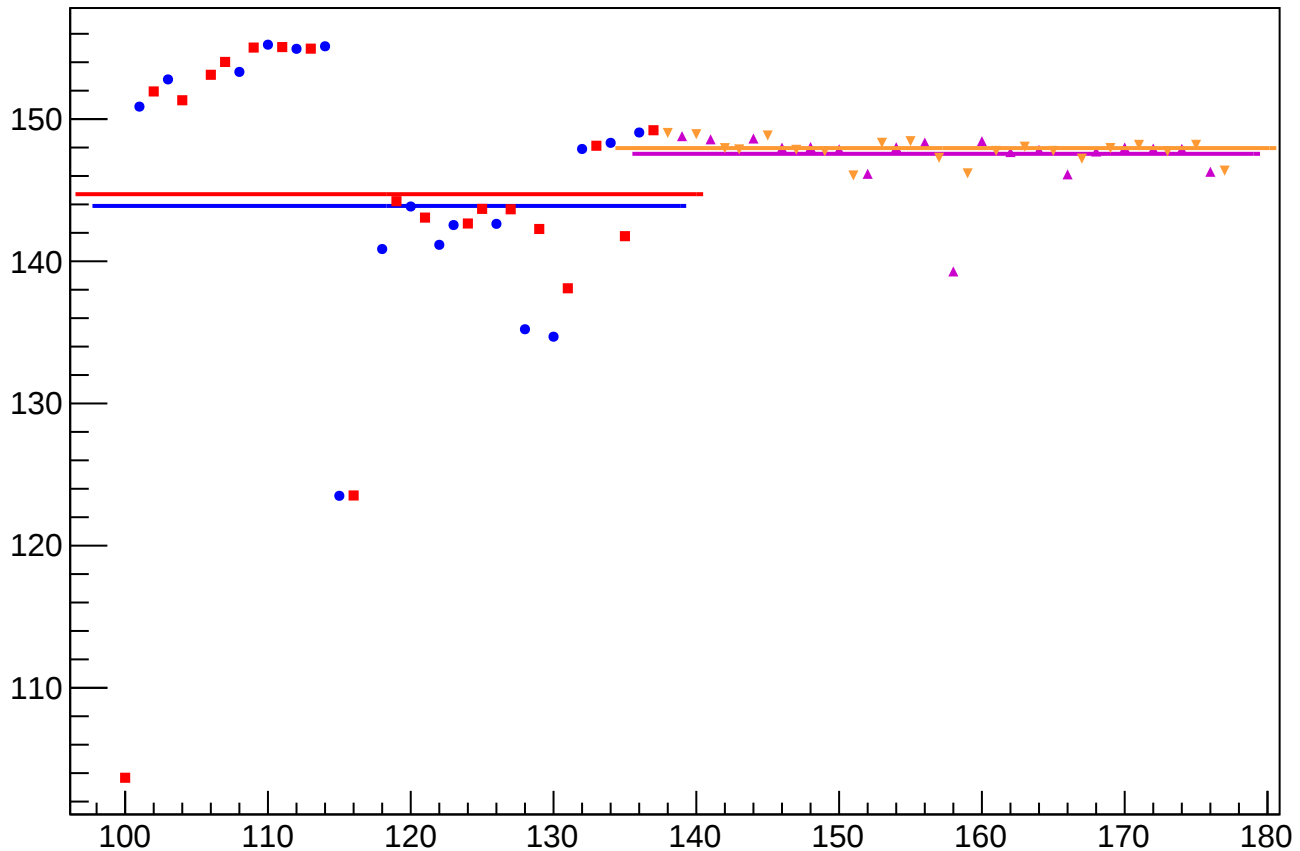
Right: 0.321+/-0.000 χ^2/NDF : 2492180.0/35

In: 0.380+/-0.000 χ^2/NDF :3190751.5/35

Out: 0.381+/-0.000 χ^2/NDF :3356213.4/39

All: 0.380+/-0.000 χ^2/NDF : 6547105.2/75

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16

Left Out: 147.961 $\pm$ 0.000 χ^2 /NDF: 58438064.1/20

Right Out: 144.719 $\pm$ 0.000 χ^2 /NDF: 4473225884.5/18

Left In: 147.559 $\pm$ 0.000 χ^2 /NDF: 329378539.7/18

Left: 147.768 $\pm$ 0.000 χ^2 /NDF: 394343988.6/39

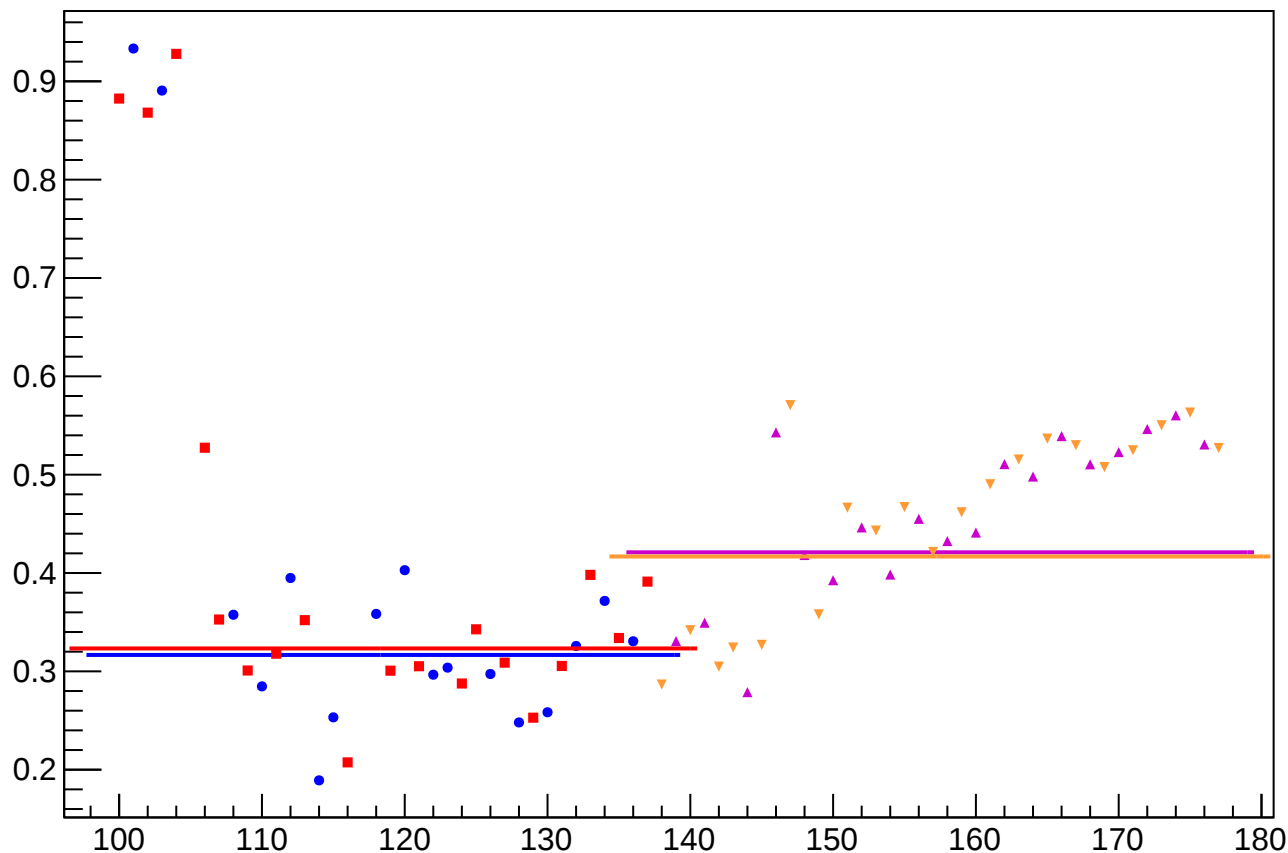
Right: 144.309 $\pm$ 0.000 χ^2 /NDF: 8244852440.8/35

In: 146.033 $\pm$ 0.000 χ^2 /NDF: 4515433845.5/35

Out: 146.664 $\pm$ 0.000 χ^2 /NDF: 4884933726.9/39

All: 146.356 $\pm$ 0.000 χ^2 /NDF: 9427497437.3

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.417 $\pm$ 0.000 χ^2 /NDF:1493921.0/20

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222784.7/18

Left In: 0.421 $\pm$ 0.000 χ^2 /NDF:1186178.0/18

Left: 0.419 $\pm$ 0.000 χ^2 /NDF: 2681562.4/39

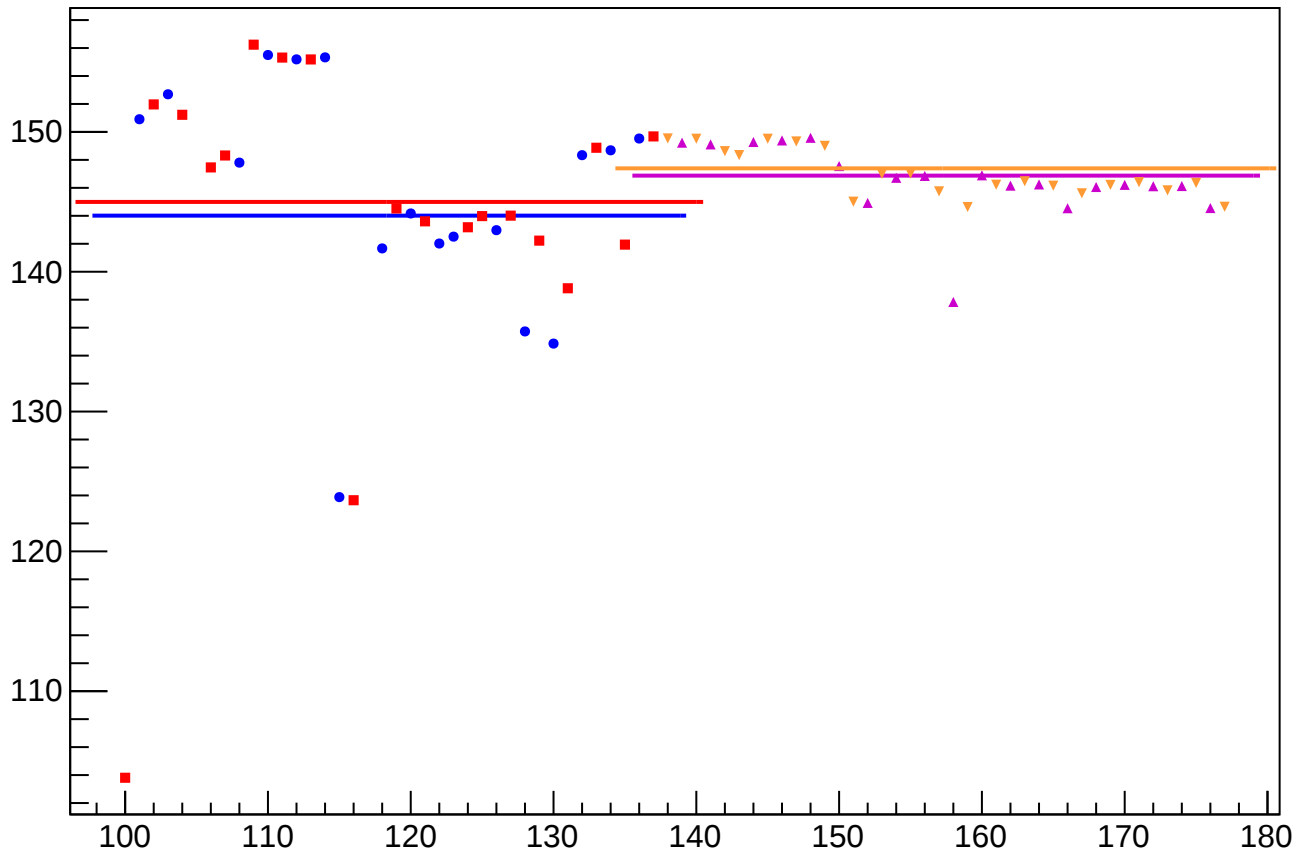
Right: 0.320 $\pm$ 0.000 χ^2 /NDF: 2505560.8/35

In: 0.378 $\pm$ 0.000 χ^2 /NDF:3169293.6/35

Out: 0.379 $\pm$ 0.000 χ^2 /NDF:3304524.3/39

All: 0.379 $\pm$ 0.000 χ^2 /NDF: 6474242.8/75

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 ± 0.000 $\chi^2/\text{NDF}: 3241696920.3/16$

Left Out: 147.395 ± 0.000 $\chi^2/\text{NDF}: 233993412.7/20$

Right Out: 144.994 ± 0.000 $\chi^2/\text{NDF}: 3852381452.1/18$

Left In: 146.874 ± 0.000 $\chi^2/\text{NDF}: 524222783.6/18$

Left: 147.145 ± 0.000 $\chi^2/\text{NDF}: 768521498.7/39$

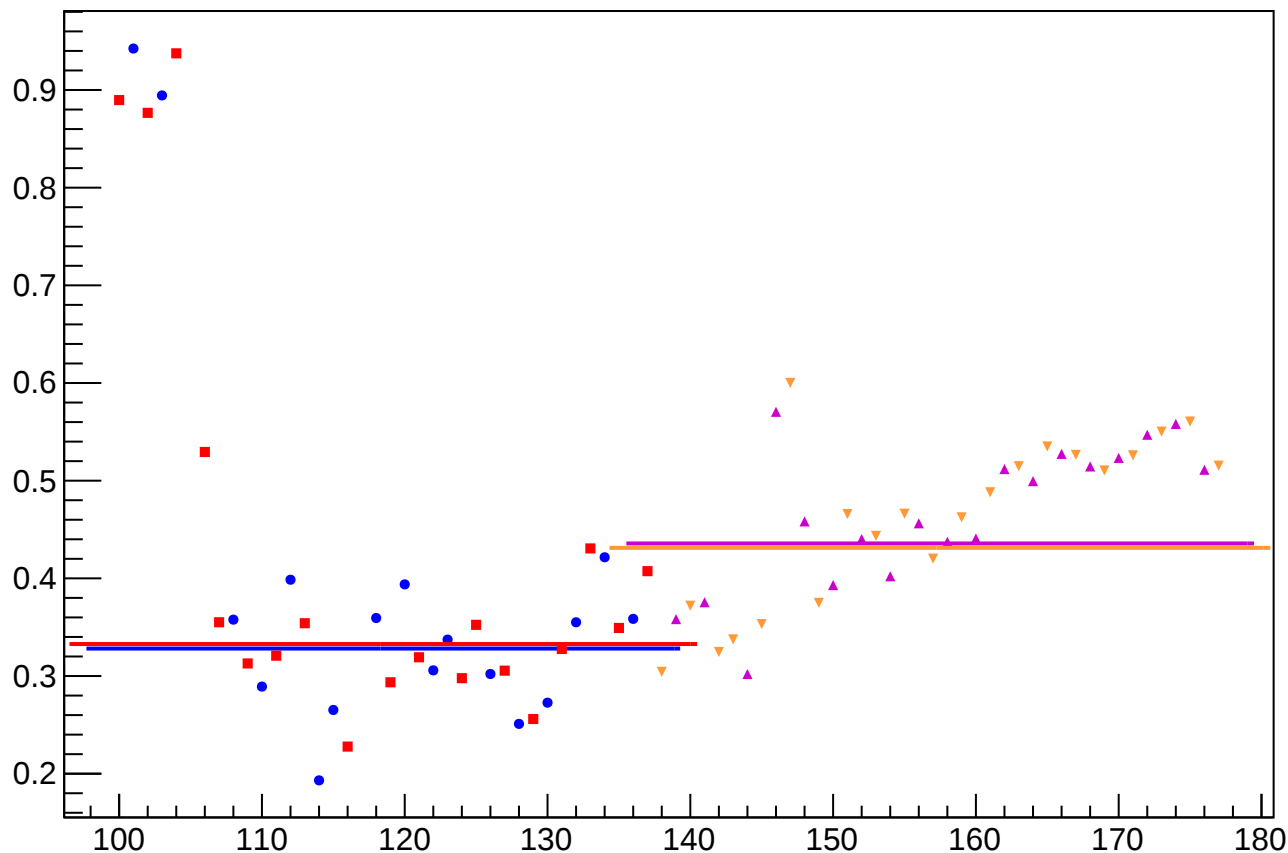
Right: 144.510 ± 0.000 $\chi^2/\text{NDF}: 7119138597.7/35$

In: 145.693 ± 0.000 $\chi^2/\text{NDF}: 4012827323.3/35$

Out: 146.434 ± 0.000 $\chi^2/\text{NDF}: 4269058769.7/39$

All: 146.074 ± 0.000 $\chi^2/\text{NDF}: 8317003465.3$

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.431 $\pm$ 0.000 χ^2/NDF :1153925.3/20

Right Out: 0.333 $\pm$ 0.000 χ^2/NDF : 1185129.6/18

Left In: 0.436 $\pm$ 0.000 χ^2/NDF :886552.4/18

Left: 0.433 $\pm$ 0.000 χ^2/NDF : 2042016.8/39

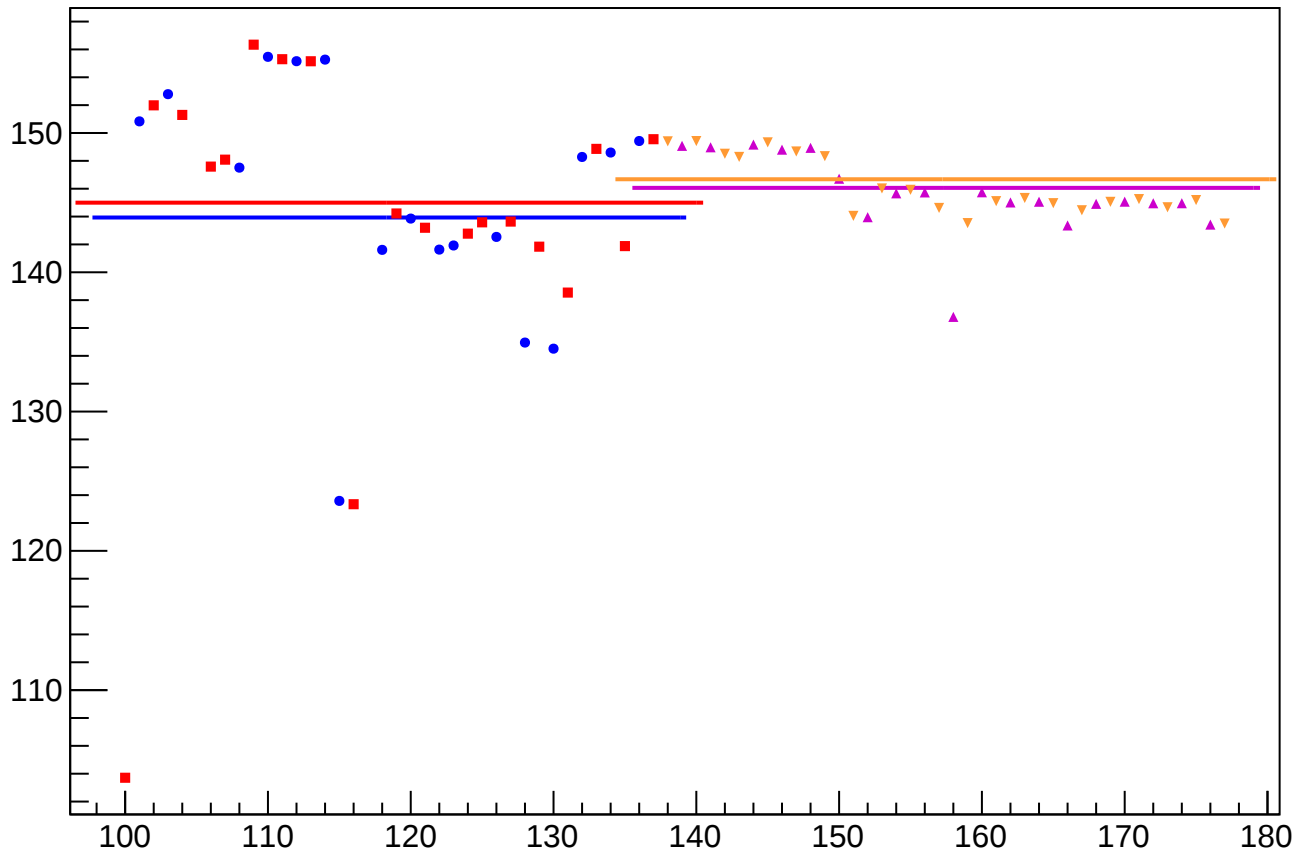
Right: 0.330 $\pm$ 0.000 χ^2/NDF : 2452140.8/35

In: 0.391 $\pm$ 0.000 χ^2/NDF :2850452.0/35

Out: 0.392 $\pm$ 0.000 χ^2/NDF :2953218.3/39

All: 0.392 $\pm$ 0.000 χ^2/NDF : 5803701.0/75

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 ± 0.000 $\chi^2/\text{NDF}: 3383012861.2/16$

Left Out: 146.679 ± 0.000 $\chi^2/\text{NDF}: 359926117.0/20$

Right Out: 144.998 ± 0.000 $\chi^2/\text{NDF}: 3932958476.0/18$

Left In: 146.060 ± 0.000 $\chi^2/\text{NDF}: 651961708.0/18$

Left: 146.382 ± 0.000 $\chi^2/\text{NDF}: 1026344445.4/39$

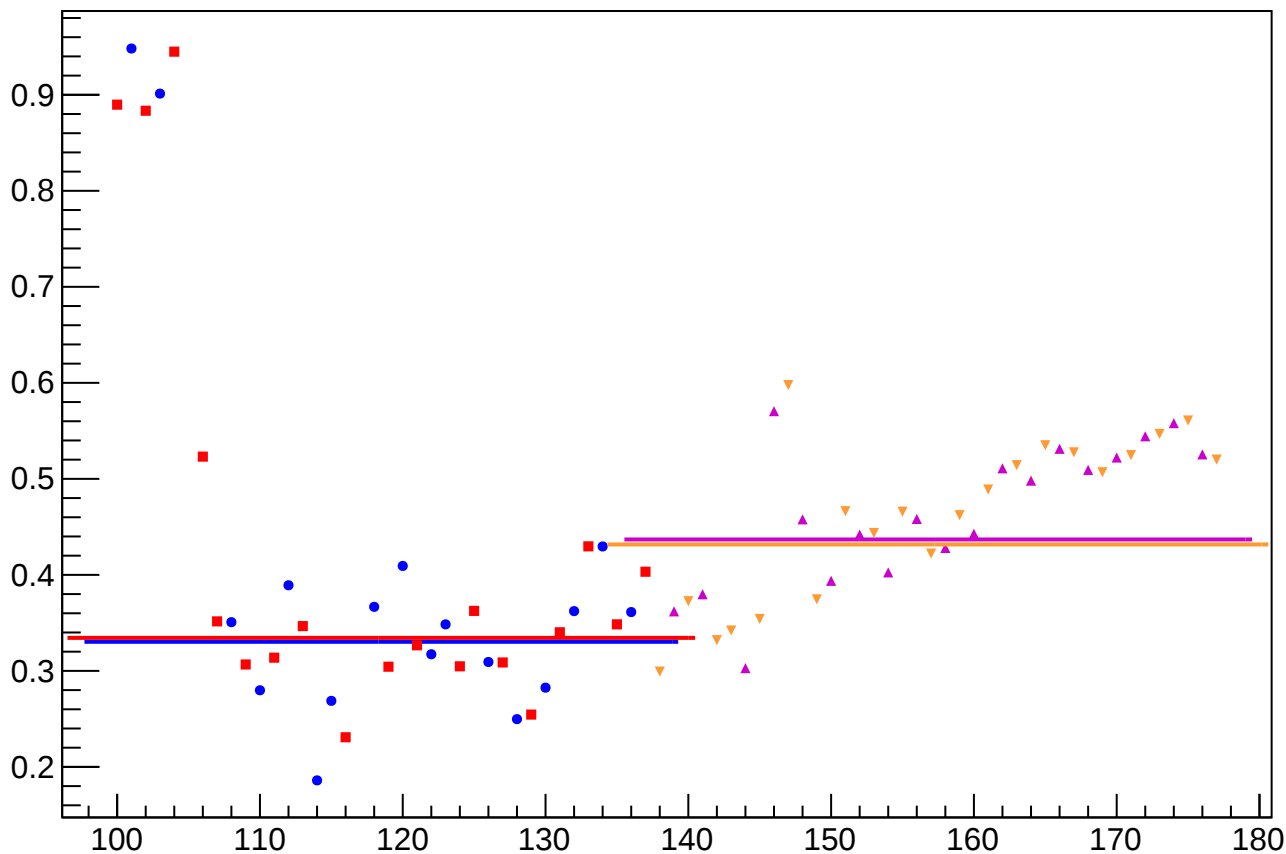
Right: 144.474 ± 0.000 $\chi^2/\text{NDF}: 7345100324.4/35$

In: 145.188 ± 0.000 $\chi^2/\text{NDF}: 4169790178.9/35$

Out: 146.009 ± 0.000 $\chi^2/\text{NDF}: 4381644793.8/39$

All: 145.612 ± 0.000 $\chi^2/\text{NDF}: 8594257864.9$

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.432 $\pm$ 0.000 χ^2/NDF :1146474.3/20

Right Out: 0.334 $\pm$ 0.000 χ^2/NDF : 1174012.0/18

Left In: 0.437 $\pm$ 0.000 χ^2/NDF :868402.6/18

Left: 0.434 $\pm$ 0.000 χ^2/NDF : 2016920.1/39

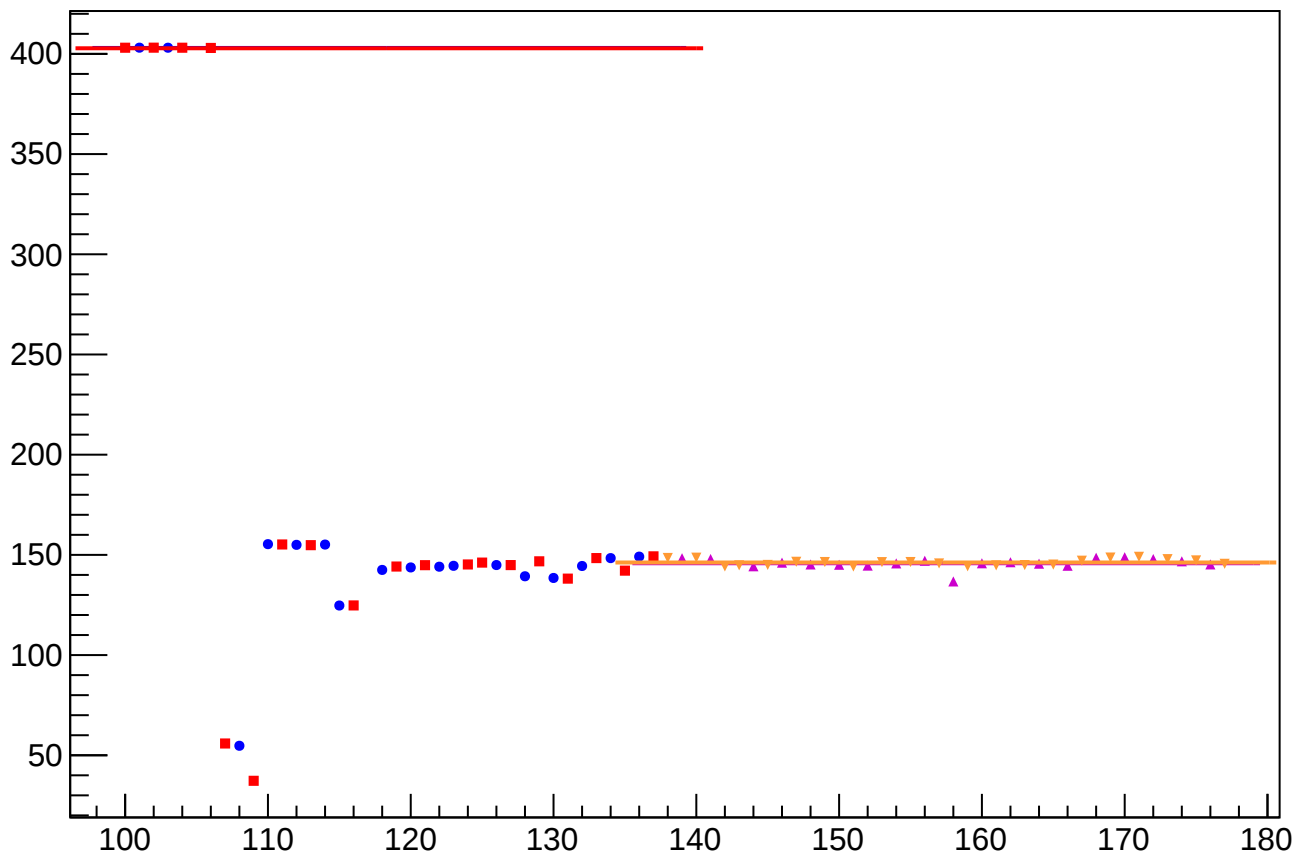
Right: 0.332 $\pm$ 0.000 χ^2/NDF : 2458819.5/35

In: 0.393 $\pm$ 0.000 χ^2/NDF :2828513.6/35

Out: 0.393 $\pm$ 0.000 χ^2/NDF :2915313.0/39

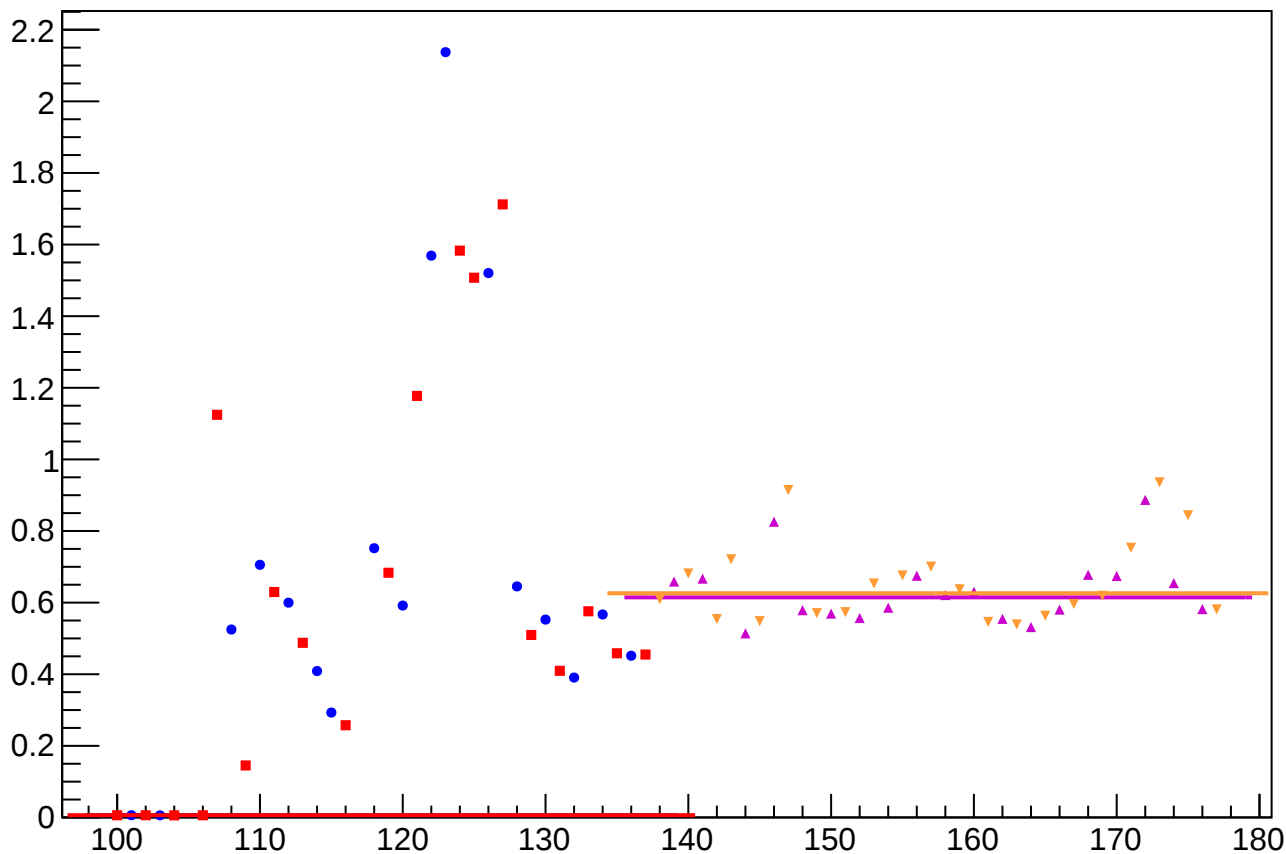
All: 0.393 $\pm$ 0.000 χ^2/NDF : 5743835.0/75

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000	χ^2/NDF : 1094364588383.4/16	Left: 146.012+/-0.000	χ^2/NDF : 248778133.8/39
Left Out: 146.199+/-0.000	χ^2/NDF : 75325779.7/20	Right: 402.873+/-0.000	χ^2/NDF : 4196818264482.1/16
Right Out: 402.799+/-0.000	χ^2/NDF : 3102036567767.5/18	In: 402.712+/-0.000	χ^2/NDF : 3065474594238.3/39
Left In: 145.820+/-0.000	χ^2/NDF : 171278179.3/18	Out: 402.577+/-0.000	χ^2/NDF : 5112758767768.9/39
		All: 402.640+/-0.000	χ^2/NDF : 817853488497.5/16

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.626+/-0.000 χ^2/NDF :558316.1/20

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

Left In: 0.615+/-0.000 χ^2/NDF :355467.3/18

Left: 0.621+/-0.000 χ^2/NDF : 917738.6/39

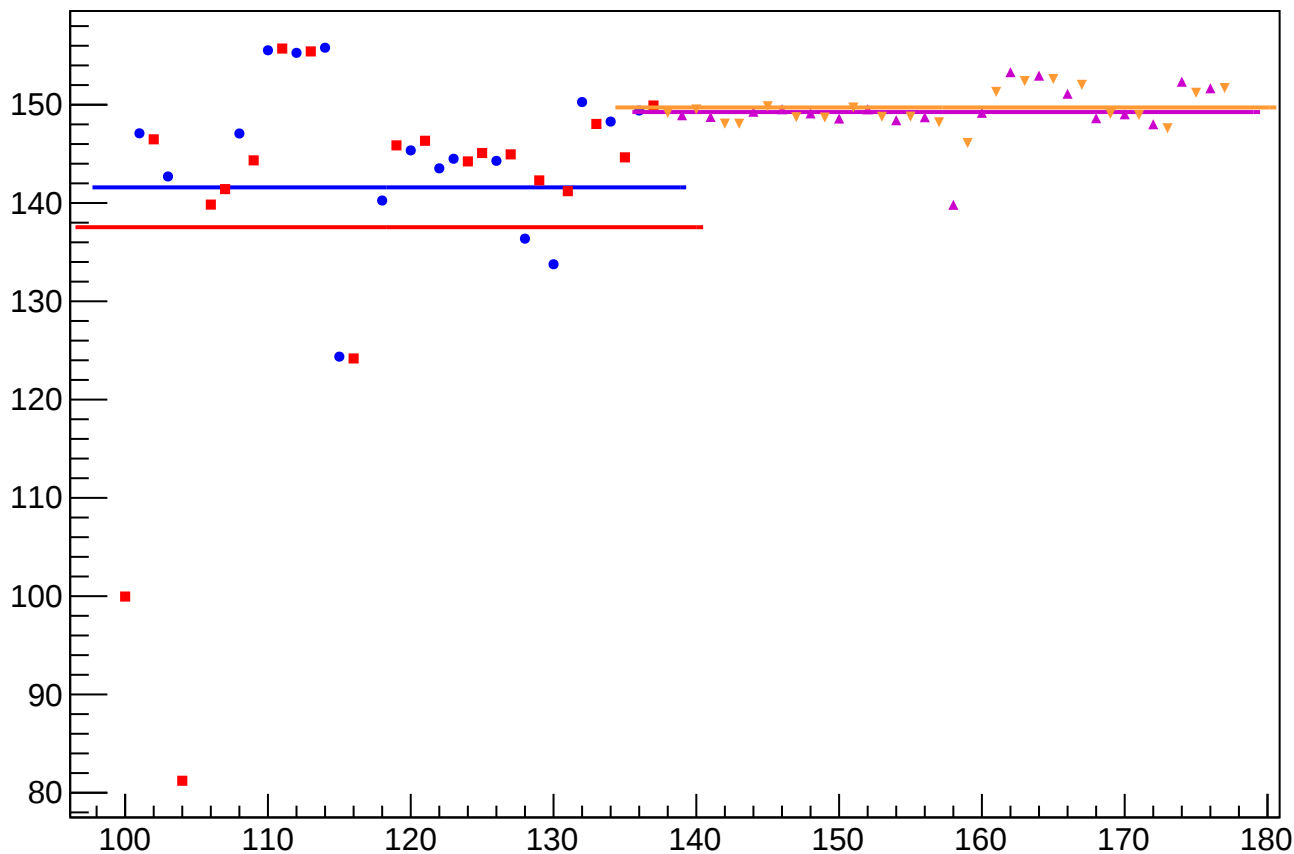
Right: 0.006+/-0.000 χ^2/NDF : 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF :31500561.0/35

Out: 0.007+/-0.000 χ^2/NDF :33215806.9/39

All: 0.007+/-0.000 χ^2/NDF : 64716470.7/75

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.723 $\pm$ 0.000 χ^2 /NDF: 140939516.4/20

Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18

Left In: 149.253 $\pm$ 0.000 χ^2 /NDF: 404375830.0/18

Left: 149.496 $\pm$ 0.000 χ^2 /NDF: 550147531.4/39

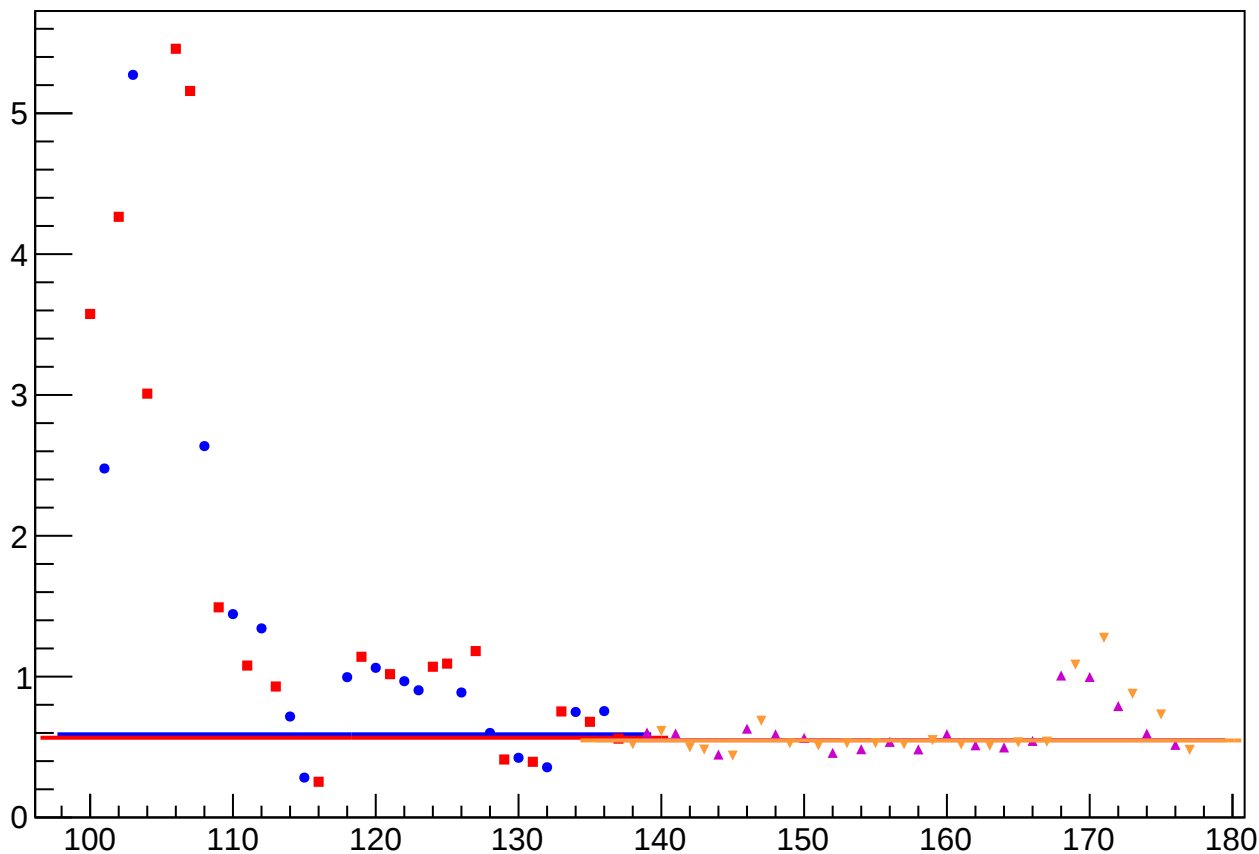
Right: 139.514 $\pm$ 0.000 χ^2 /NDF: 2381261600.7/35

In: 147.777 $\pm$ 0.000 χ^2 /NDF: 1862586142.3/35

Out: 147.404 $\pm$ 0.000 χ^2 /NDF: 2733742796.3/39

All: 147.584 $\pm$ 0.000 χ^2 /NDF: 4600084243.9

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.547 $\pm$ 0.000 χ^2 /NDF:1342386.3/20

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

Left In: 0.549 $\pm$ 0.000 χ^2 /NDF:973867.2/18

Left: 0.548 $\pm$ 0.000 χ^2 /NDF: 2316459.0/39

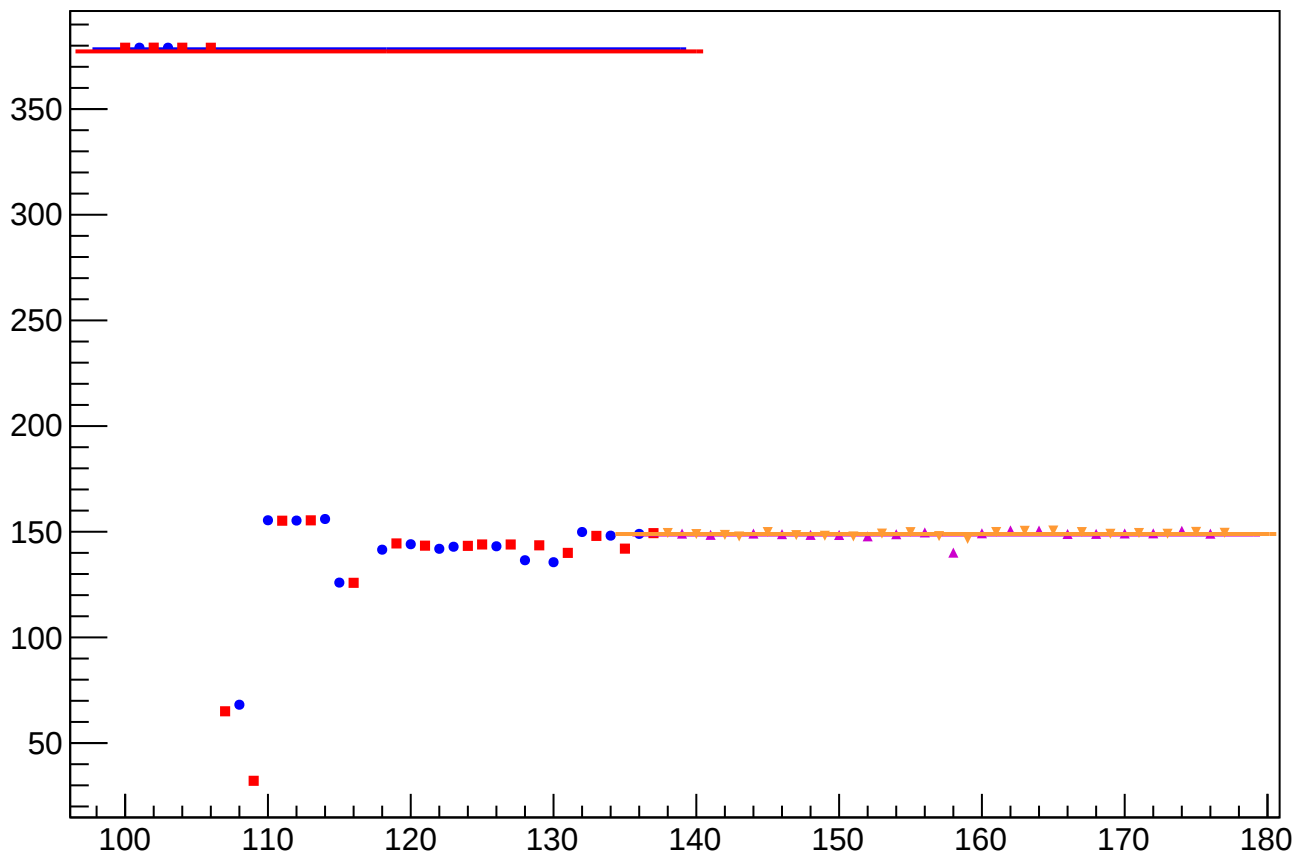
Right: 0.578 $\pm$ 0.000 χ^2 /NDF: 8181648.0/35

In: 0.557 $\pm$ 0.000 χ^2 /NDF:4493647.5/35

Out: 0.550 $\pm$ 0.000 χ^2 /NDF:6032369.7/39

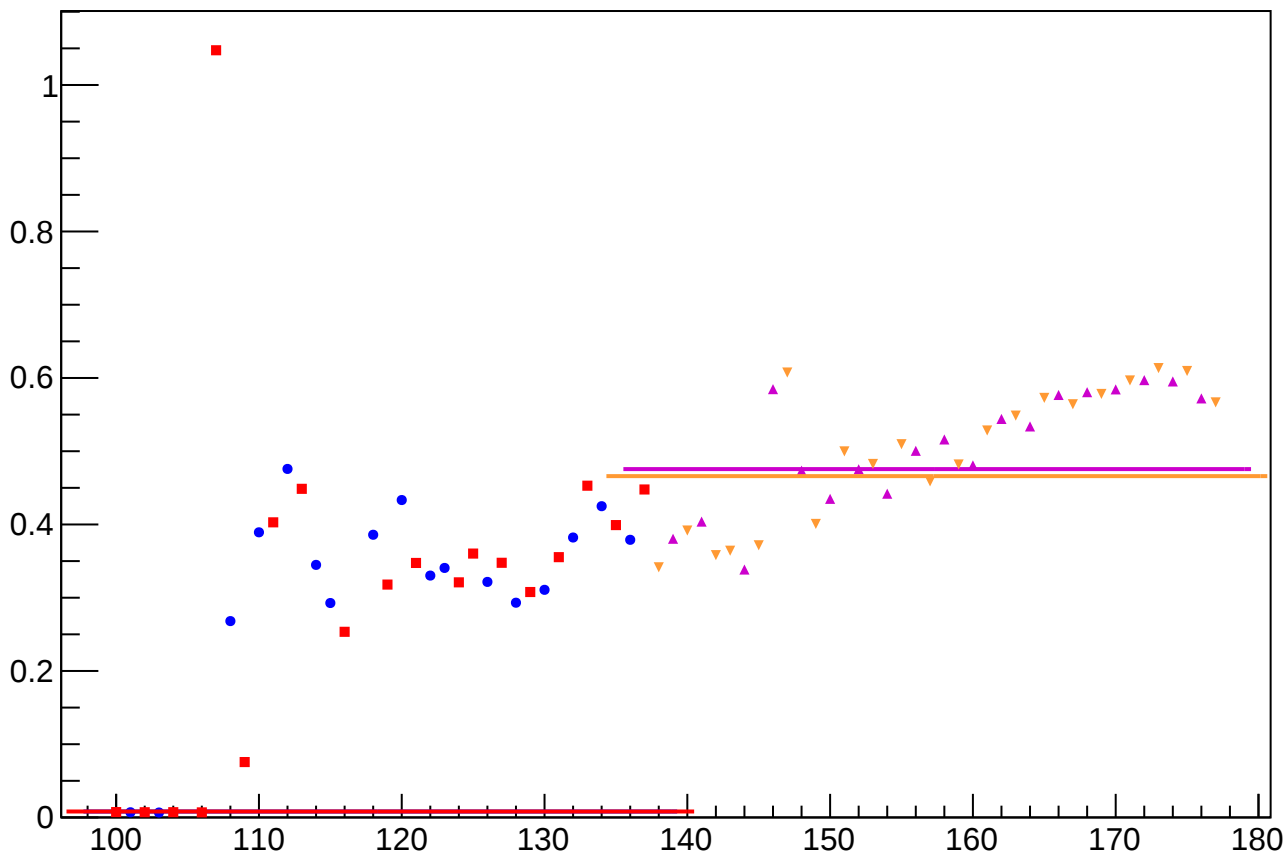
All: 0.554 $\pm$ 0.000 χ^2 /NDF: 10528270.8/75

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283 +/- 0.000 χ^2/NDF : 2508313421453.8/16
 Left Out: 148.925 +/- 0.000 χ^2/NDF : 63770894.1/20
 Right Out: 377.287 +/- 0.000 χ^2/NDF : 8286303106836.4/18
 Left In: 148.675 +/- 0.000 χ^2/NDF : 243469543.1/18
 All: 376.714 +/- 0.000 χ^2/NDF : 175789973846.0/36

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.466+/-0.000 χ^2/NDF :1158659.7/20

Right Out: 0.008+/-0.000 χ^2/NDF : 9522827.2/18

Left In: 0.476+/-0.000 χ^2/NDF :850114.0/18

Left: 0.471+/-0.000 χ^2/NDF : 2014746.9/39

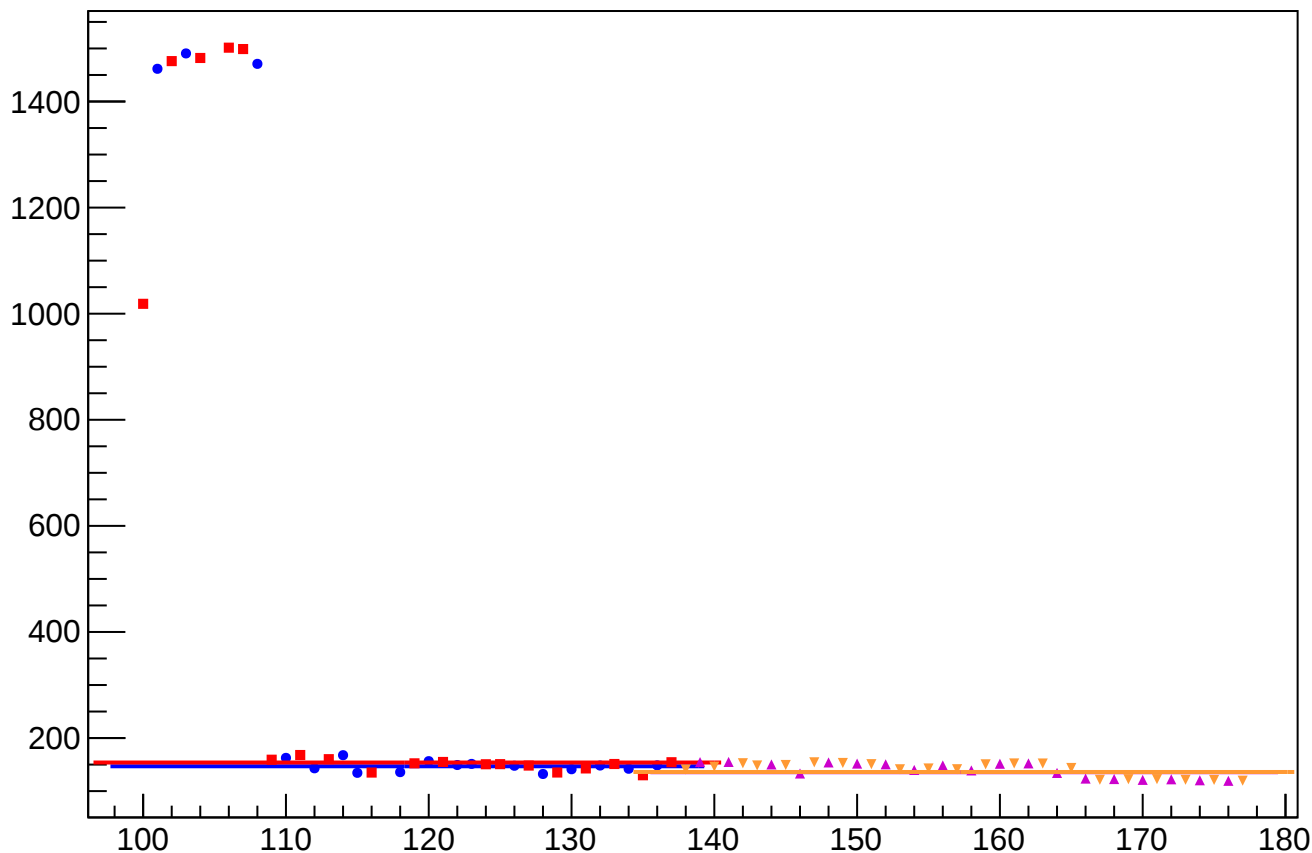
Right: 0.008+/-0.000 χ^2/NDF : 19329555.6/35

In: 0.010+/-0.000 χ^2/NDF :37500797.6/35

Out: 0.010+/-0.000 χ^2/NDF :39139335.3/39

All: 0.010+/-0.000 χ^2/NDF : 76640233.8/75

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000

χ^2/NDF : 24360774977.7/16

Left: 135.836+/-0.000

χ^2/NDF : 7306366865.9/39

Right: 150.348+/-0.000

χ^2/NDF : 58231390734.2/35

Left Out: 136.051+/-0.000

χ^2/NDF : 3680870340.0/20

In: 138.068+/-0.000

χ^2/NDF : 28506831631.9/35

Right Out: 153.901+/-0.000

χ^2/NDF : 33737565970.8/18

Out: 139.722+/-0.000

χ^2/NDF : 38756684022.9/39

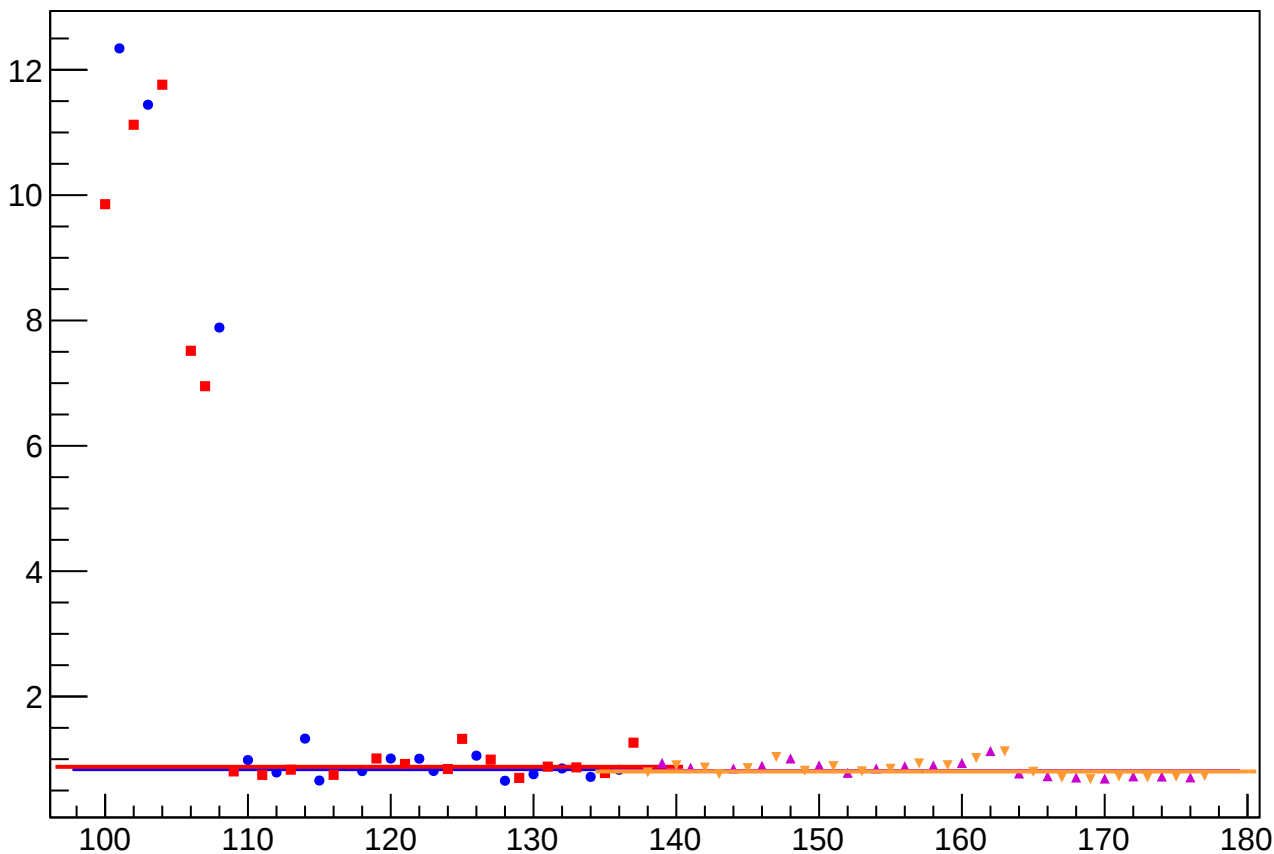
Left In: 135.603+/-0.000

χ^2/NDF : 3623524591.7/18

All: 138.920+/-0.000

χ^2/NDF : 67297661362.0/100

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.804+/-0.000 χ^2/NDF : 476333.3/20

Right Out: 0.878+/-0.000 χ^2/NDF : 2814626.6/18

Left In: 0.811+/-0.000 χ^2/NDF : 433380.5/18

Left: 0.807+/-0.000 χ^2/NDF : 910628.6/39

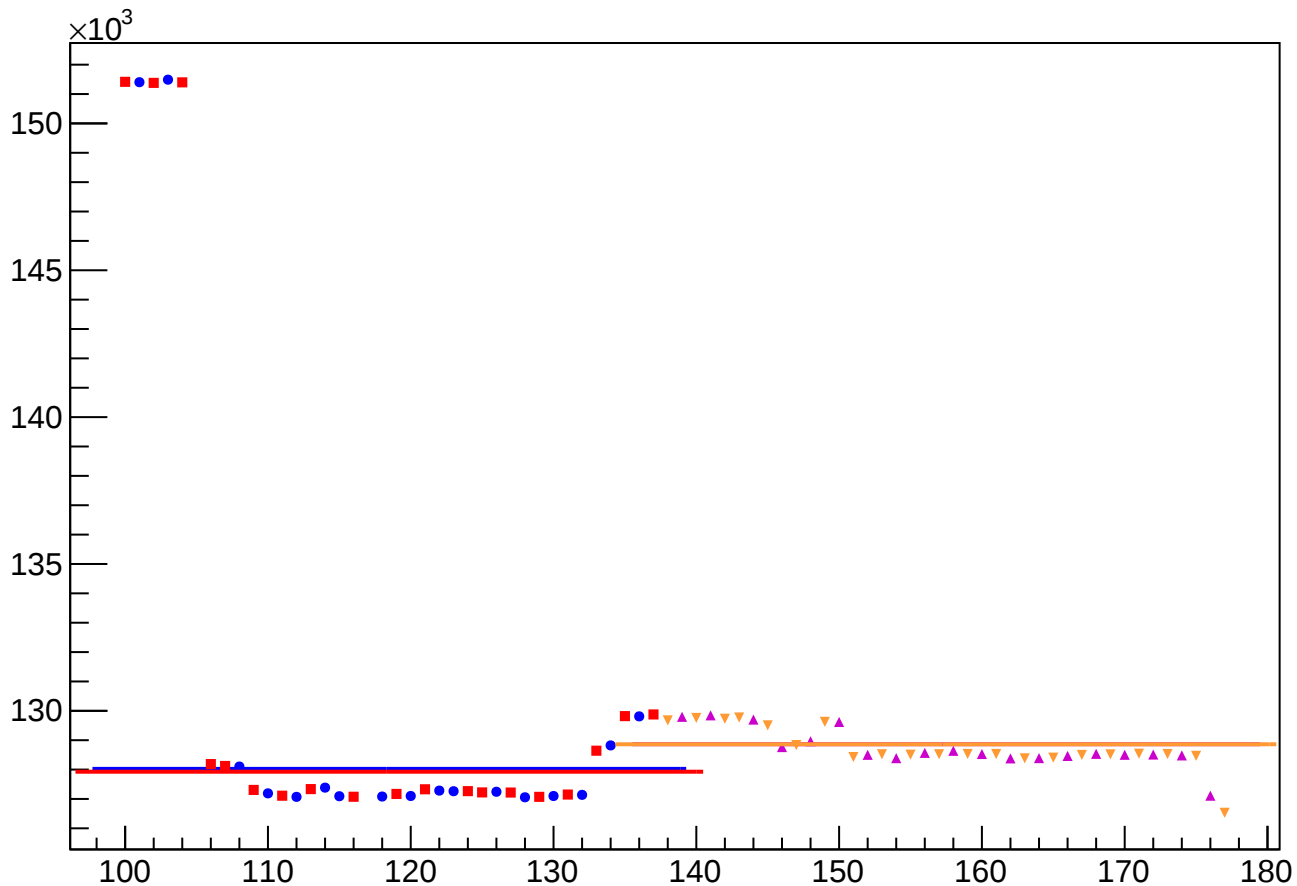
Right: 0.860+/-0.000 χ^2/NDF : 5484331.4/35

In: 0.818+/-0.000 χ^2/NDF : 3103398.2/35

Out: 0.819+/-0.000 χ^2/NDF : 3337253.2/39

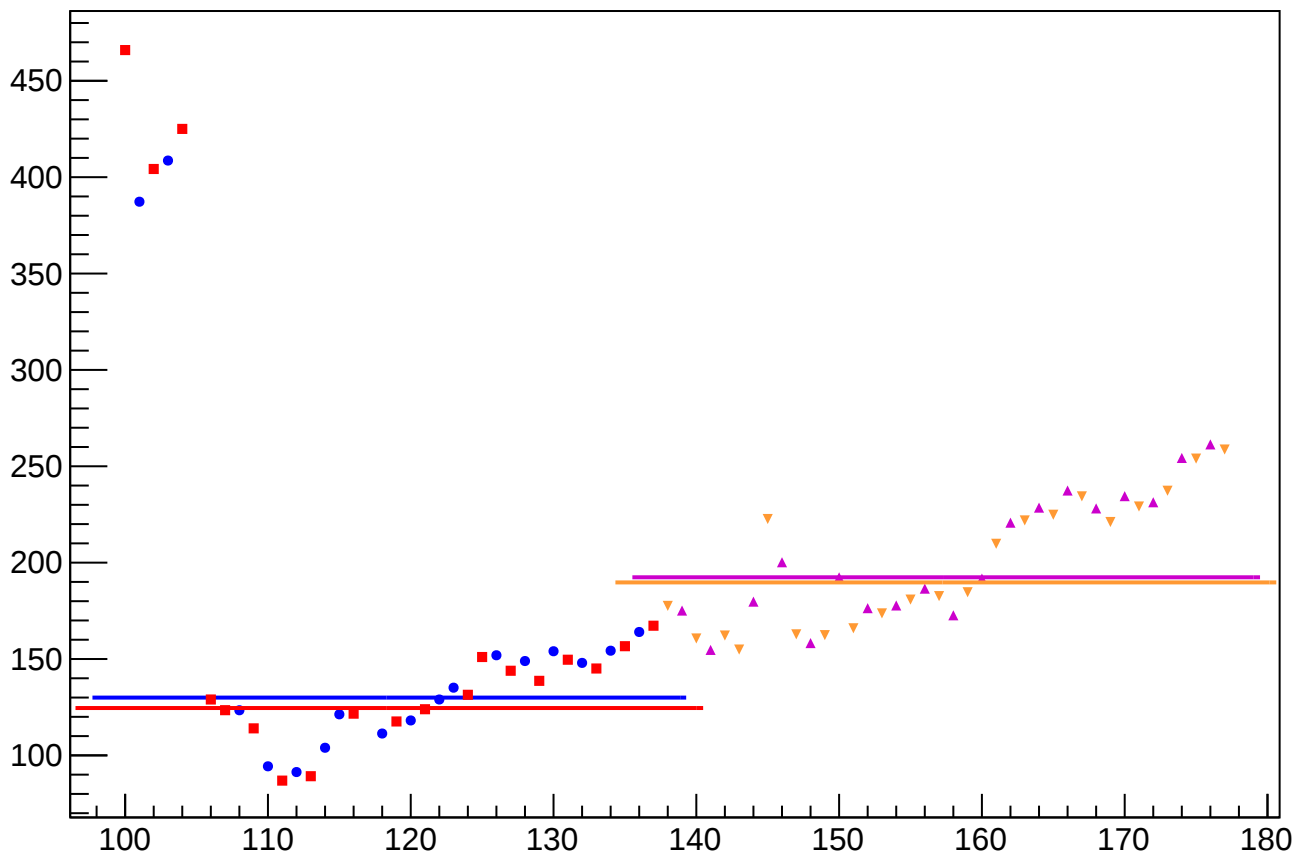
All: 0.818+/-0.000 χ^2/NDF : 6440730.8/75

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128861.525 $\pm$ 0.049 χ^2 /NDF: 194325207.4/20
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128864.002 $\pm$ 0.051 χ^2 /NDF: 149179226.7/18
 Left: 128862.705 $\pm$ 0.035 χ^2 /NDF: 343505675.1/39
 Right: 127971.691 $\pm$ 0.037 χ^2 /NDF: 8085261759.1/16
 In: 128472.945 $\pm$ 0.037 χ^2 /NDF: 4592710140.7/39
 Out: 128412.093 $\pm$ 0.035 χ^2 /NDF: 4139765455.0/39
 All: 128440.615 $\pm$ 0.025 χ^2 /NDF: 873389715.0/16

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 189.741 $\pm$ 0.034 χ^2 /NDF: 808342.5/20

Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

Left In: 192.401 $\pm$ 0.036 χ^2 /NDF: 669724.3/18

Left: 191.007 $\pm$ 0.025 χ^2 /NDF: 1480931.3/39

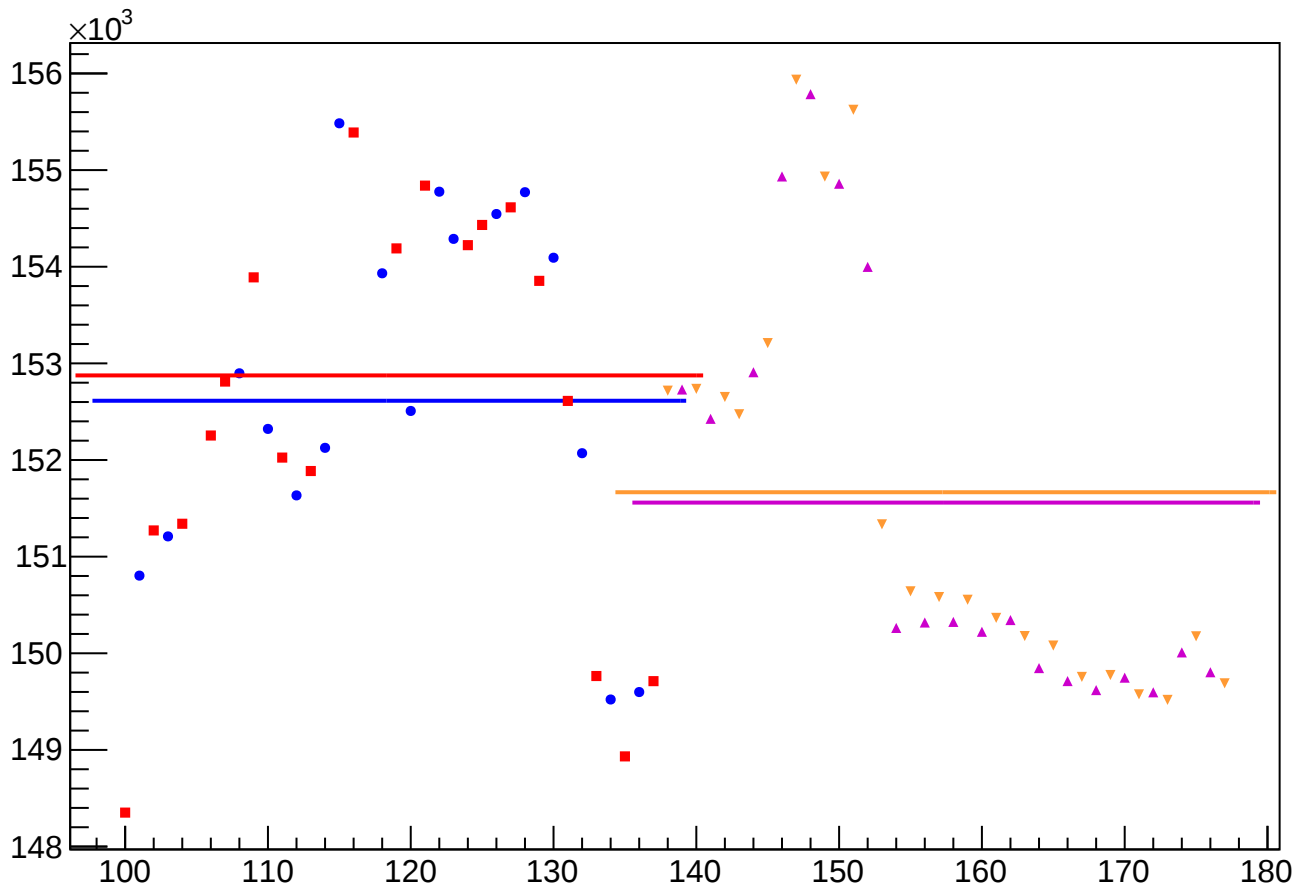
Right: 127.058 $\pm$ 0.026 χ^2 /NDF: 3027426.7/35

In: 163.357 $\pm$ 0.026 χ^2 /NDF: 3556173.0/35

Out: 158.381 $\pm$ 0.025 χ^2 /NDF: 4076686.6/39

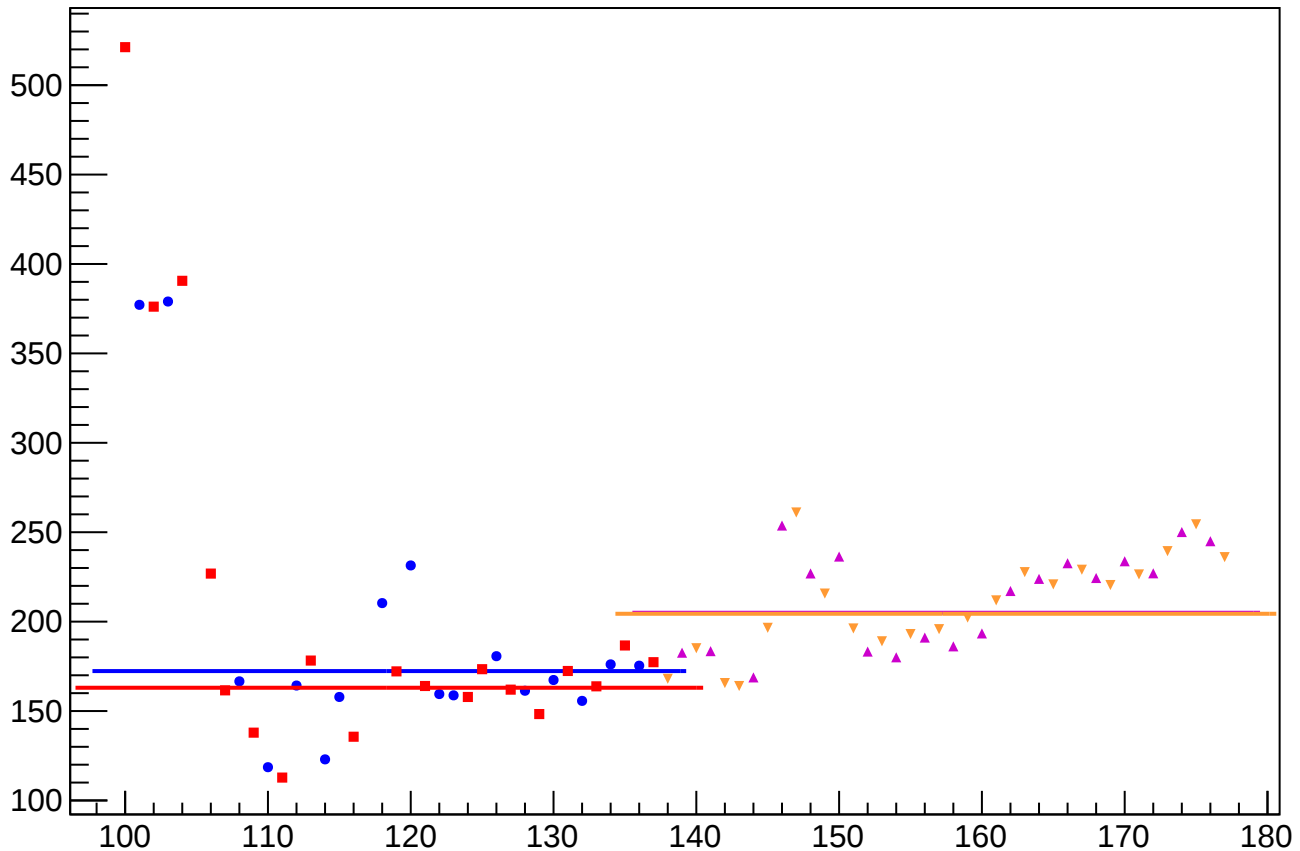
All: 160.714 $\pm$ 0.018 χ^2 /NDF: 7651873.8/75

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072	χ^2 /NDF: 623356098.4/16	Left: 151614.933 $\pm$ 0.038	χ^2 /NDF: 2627565692.4/3
Left Out: 151666.528 $\pm$ 0.052	χ^2 /NDF: 1330533255.9/20	Right: 152755.689 $\pm$ 0.049	χ^2 /NDF: 1346872378.3
Right Out: 152875.313 $\pm$ 0.066	χ^2 /NDF: 716358700.9/18	In: 151937.937 $\pm$ 0.043	χ^2 /NDF: 2054595264.3/3
Left In: 151559.309 $\pm$ 0.054	χ^2 /NDF: 1294995985.8/18	Out: 152129.111 $\pm$ 0.041	χ^2 /NDF: 2252734243.9/3
		All: 152038.890 $\pm$ 0.030	χ^2 /NDF: 43176149

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 204.395+/-0.037 χ^2/NDF : 498456.6/20

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

Left In: 204.962+/-0.038 χ^2/NDF : 479004.3/18

Left: 204.668+/-0.027 χ^2/NDF : 977574.7/39

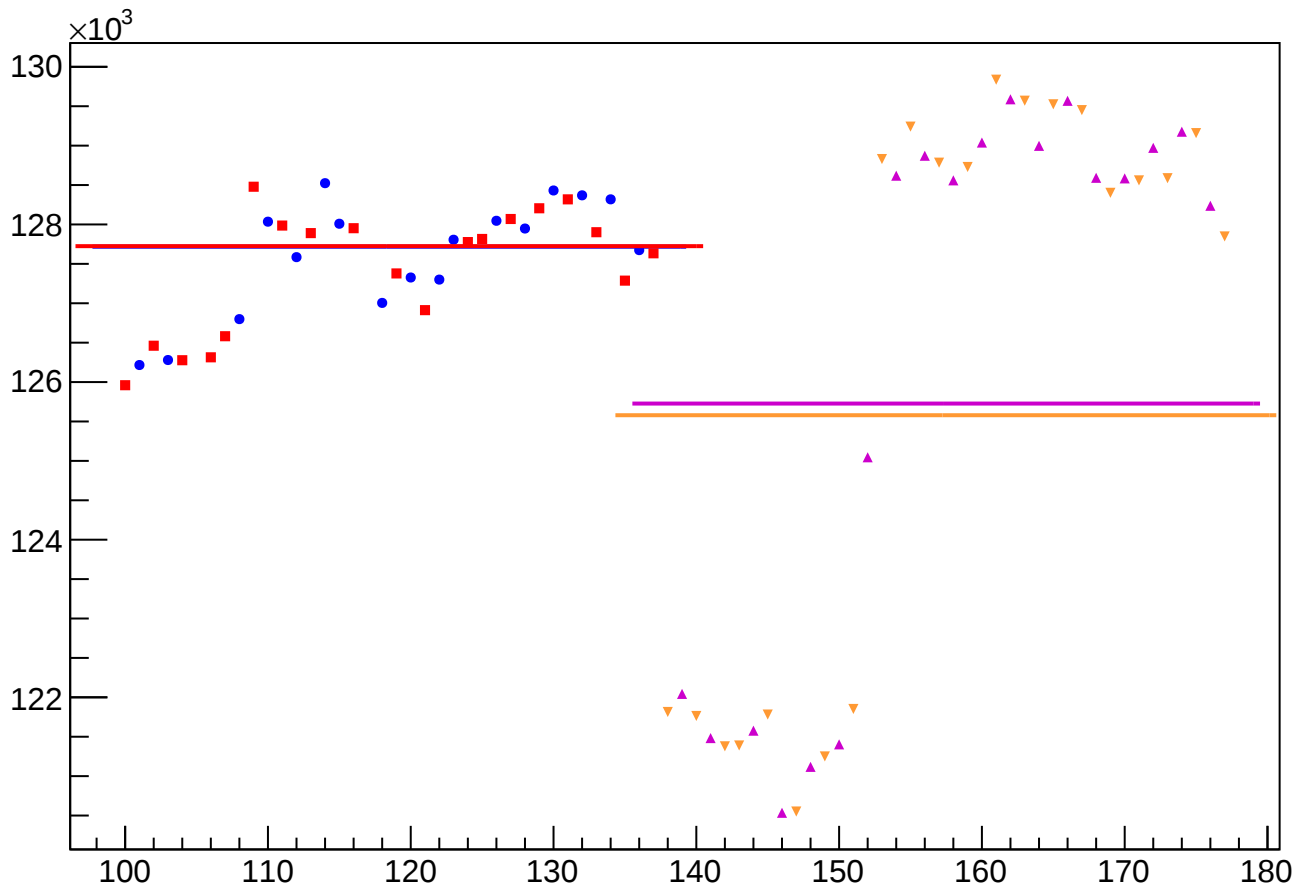
Right: 167.282+/-0.035 χ^2/NDF : 1972741.3/35

In: 193.245+/-0.031 χ^2/NDF : 1661861.4/35

Out: 188.565+/-0.029 χ^2/NDF : 2013310.6/39

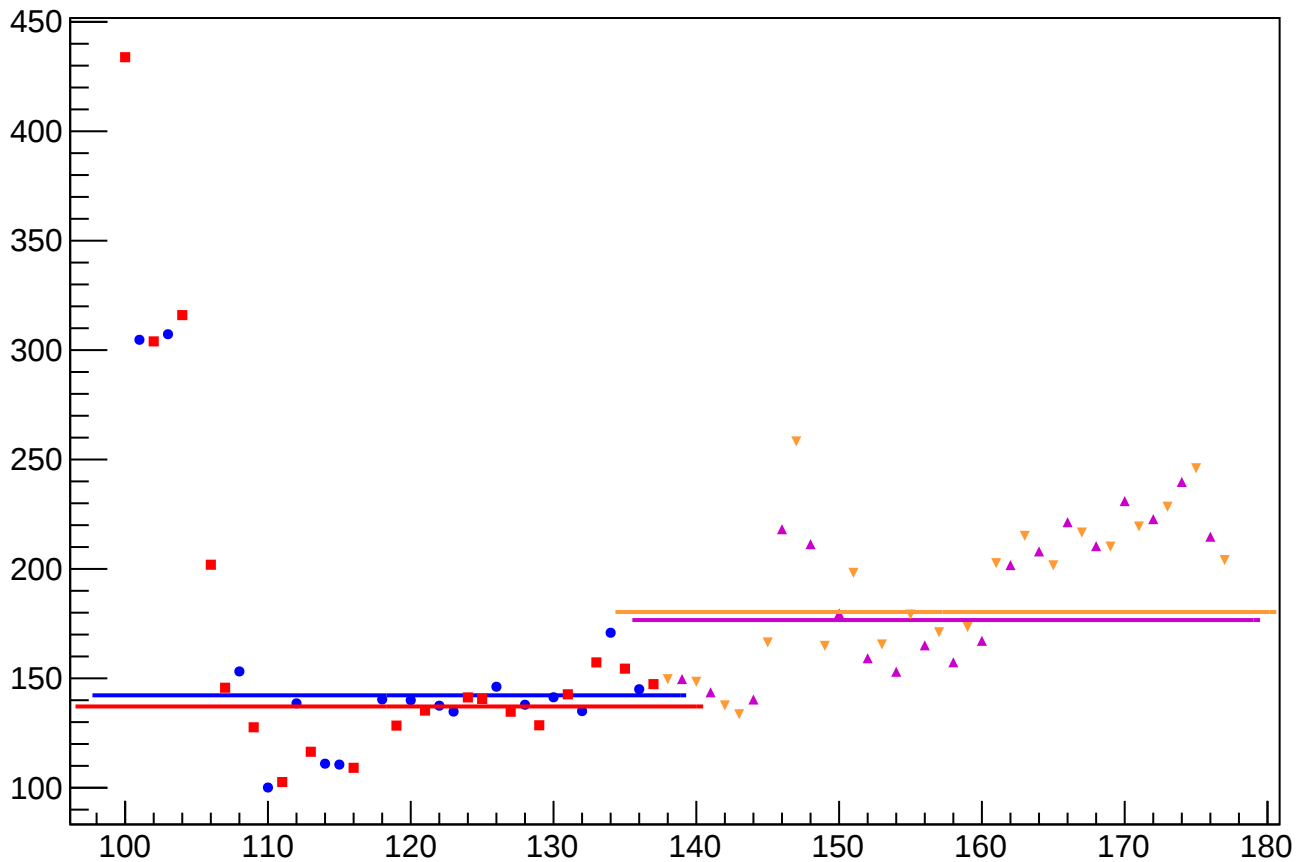
All: 190.774+/-0.021 χ^2/NDF : 3687499.3/75

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058	χ^2 /NDF: 95177660.2/16	Left: 125652.446 $\pm$ 0.033	χ^2 /NDF: 11984865925.6
Left Out: 125579.421 $\pm$ 0.047	χ^2 /NDF: 6365002826.7/20	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: 126514.213 $\pm$ 0.037	χ^2 /NDF: 6415344835.1/35
Left In: 125727.361 $\pm$ 0.047	χ^2 /NDF: 5614872439.8/18	Out: 126483.291 $\pm$ 0.035	χ^2 /NDF: 7373240889.0/3
		All: 126498.214 $\pm$ 0.025	χ^2 /NDF: 13788954

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 180.315 $\pm$ 0.033 χ^2 /NDF: 964482.1/20

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

Left In: 176.638 $\pm$ 0.033 χ^2 /NDF: 883076.8/18

Left: 178.500 $\pm$ 0.023 χ^2 /NDF: 1853724.2/39

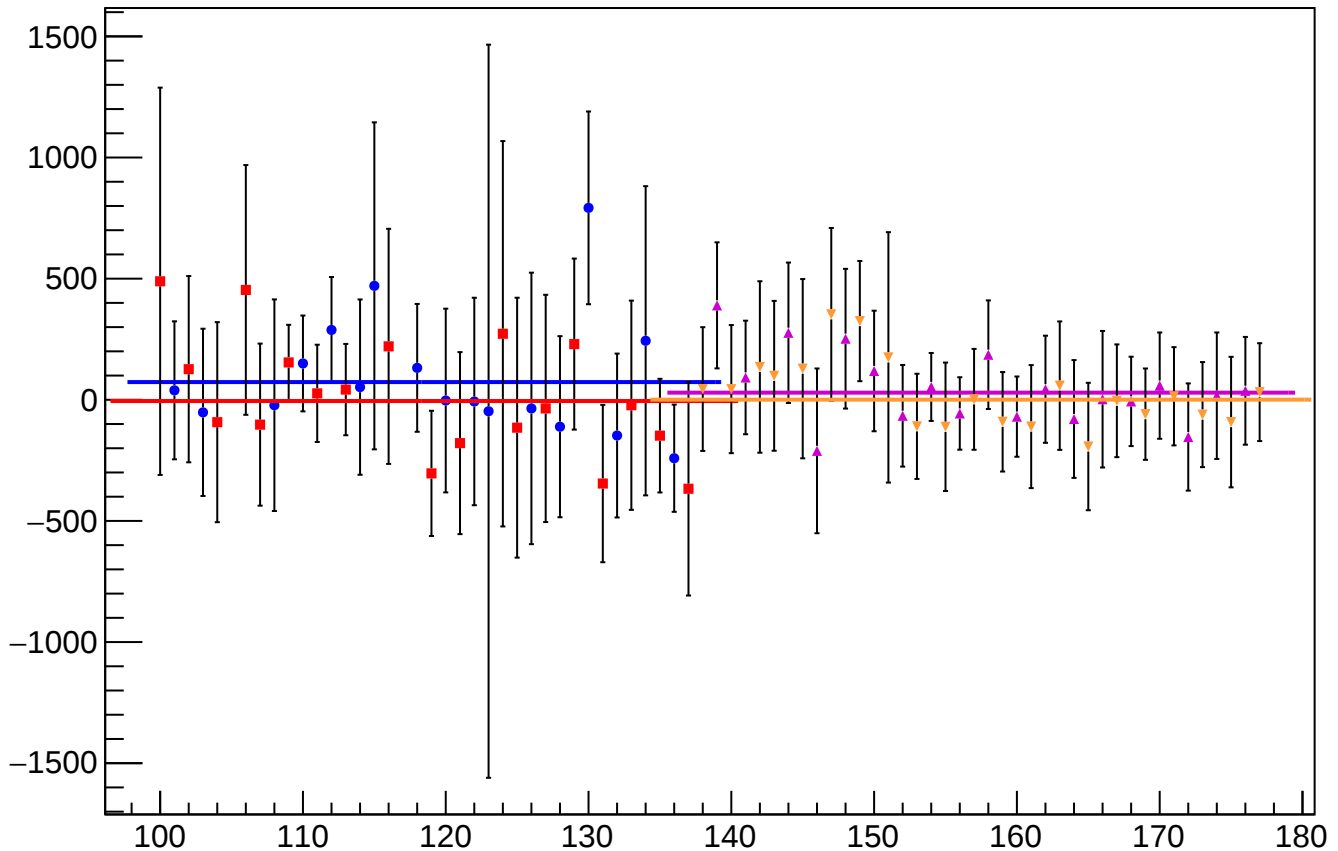
Right: 139.526 $\pm$ 0.028 χ^2 /NDF: 1802277.5/35

In: 163.041 $\pm$ 0.026 χ^2 /NDF: 2140734.9/35

Out: 162.127 $\pm$ 0.025 χ^2 /NDF: 2647539.5/39

All: 162.568 $\pm$ 0.018 χ^2 /NDF: 4788917.4/75

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109 $\pm$ 79.604 χ^2 /NDF: 7.9/16

Left Out: 0.582 $\pm$ 54.217 χ^2 /NDF: 5.0/20

Right Out: -5.021 $\pm$ 70.098 χ^2 /NDF: 7.1/18

Left In: 29.519 $\pm$ 49.278 χ^2 /NDF: 6.3/18

Left: 16.428 $\pm$ 36.466 χ^2 /NDF: 11.4/39

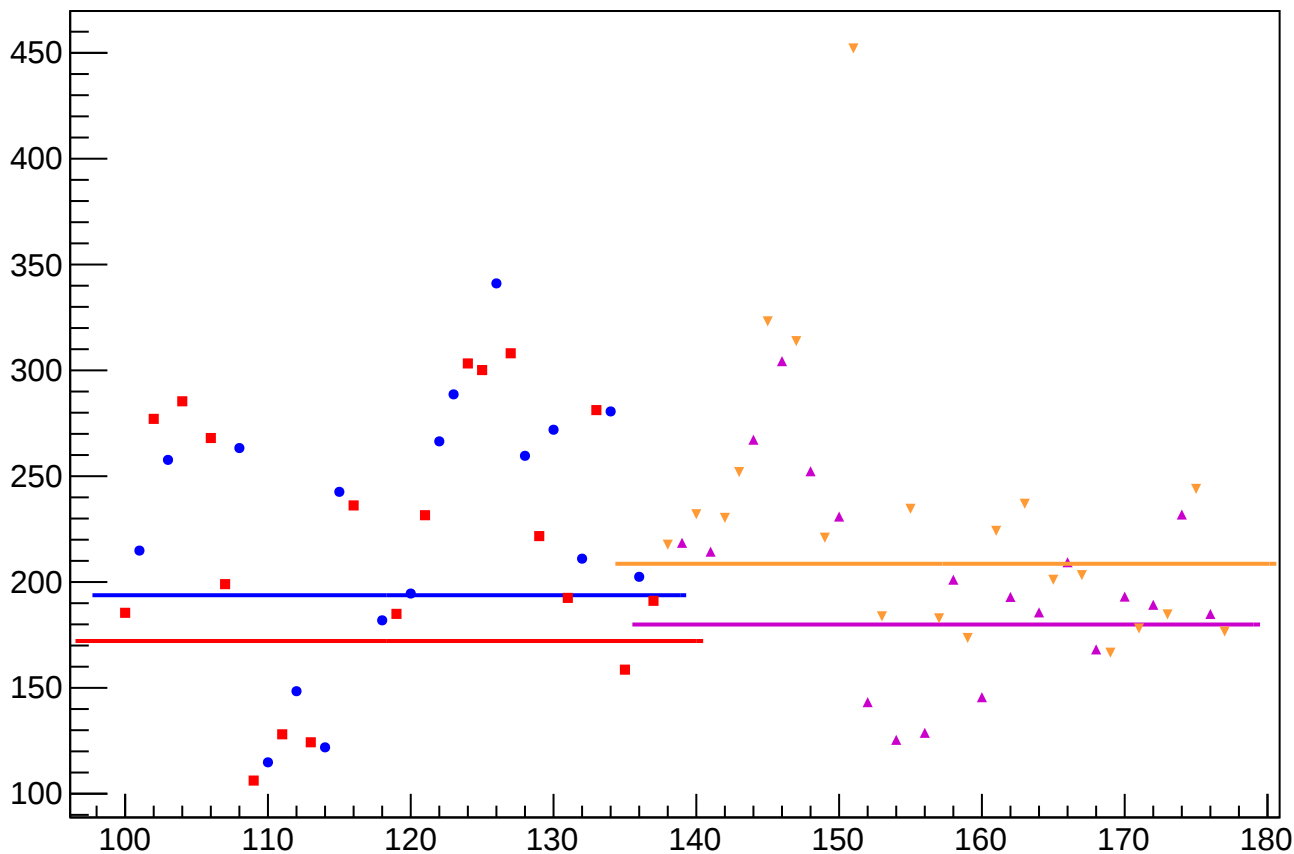
Right: 29.103 $\pm$ 52.608 χ^2 /NDF: 15.5/35

In: 41.595 $\pm$ 41.899 χ^2 /NDF: 14.4/35

Out: -1.515 $\pm$ 42.886 χ^2 /NDF: 12.1/39

All: 20.542 $\pm$ 29.970 χ^2 /NDF: 27.0/75

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 $\pm$ 0.056 χ^2/NDF : 1017081.7/16

Left Out: 208.623 $\pm$ 0.038 χ^2/NDF :1300822.4/20

Right Out: 172.142 $\pm$ 0.050 χ^2/NDF : 1580035.1/18

Left In: 179.934 $\pm$ 0.035 χ^2/NDF :1576592.6/18

Left: 192.913 $\pm$ 0.026 χ^2/NDF : 3184092.4/39

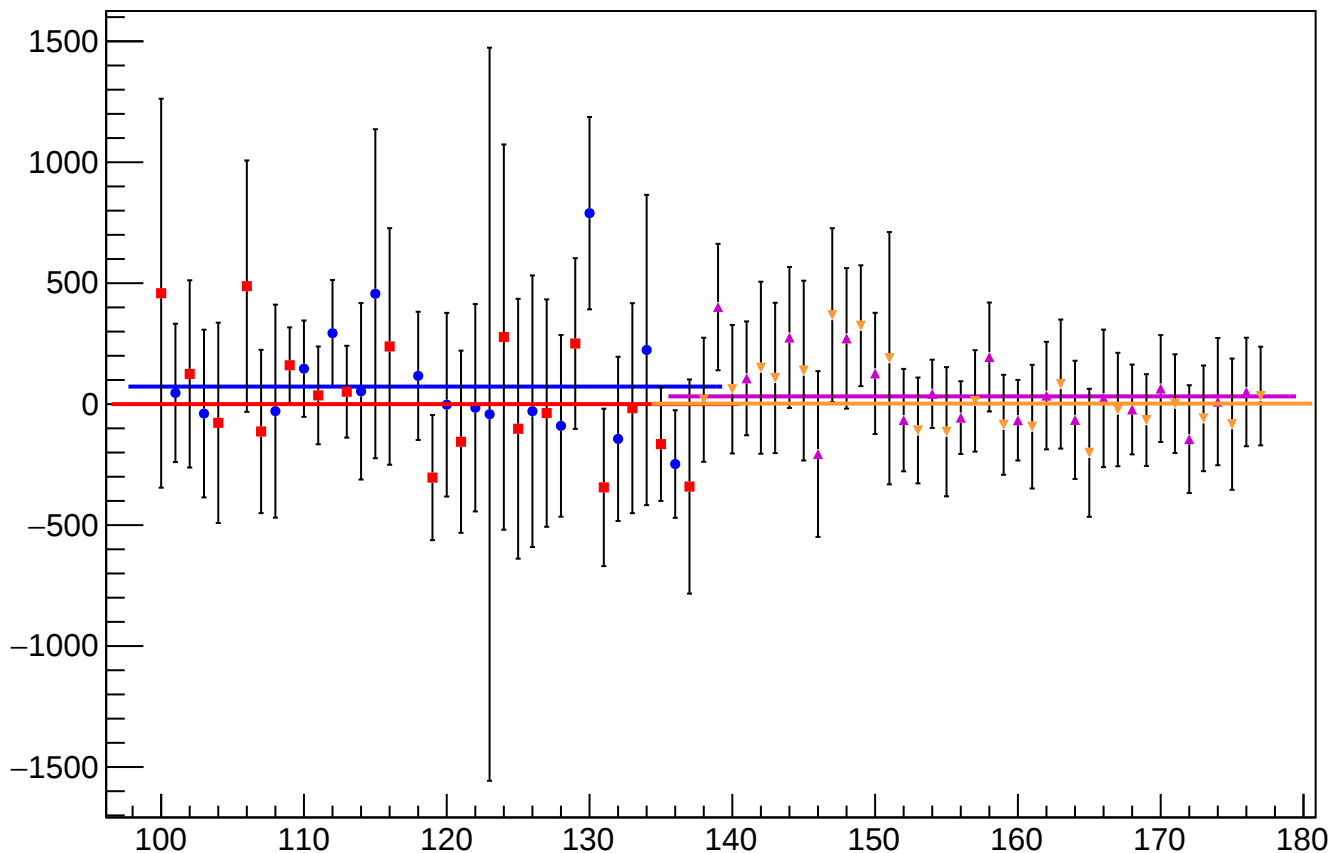
Right: 181.589 $\pm$ 0.037 χ^2/NDF : 2680292.0/35

In: 183.768 $\pm$ 0.030 χ^2/NDF :2637371.9/35

Out: 194.968 $\pm$ 0.030 χ^2/NDF :3219799.5/39

All: 189.238 $\pm$ 0.021 χ^2/NDF : 5926969.3/75

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 2.393+/-54.588 χ^2/NDF : 5.1/20

Right Out: 0.181+/-70.467 χ^2/NDF : 7.3/18

Left In: 32.166+/-49.595 χ^2/NDF : 6.4/18

Left: 18.703+/-36.707 χ^2/NDF : 11.7/39

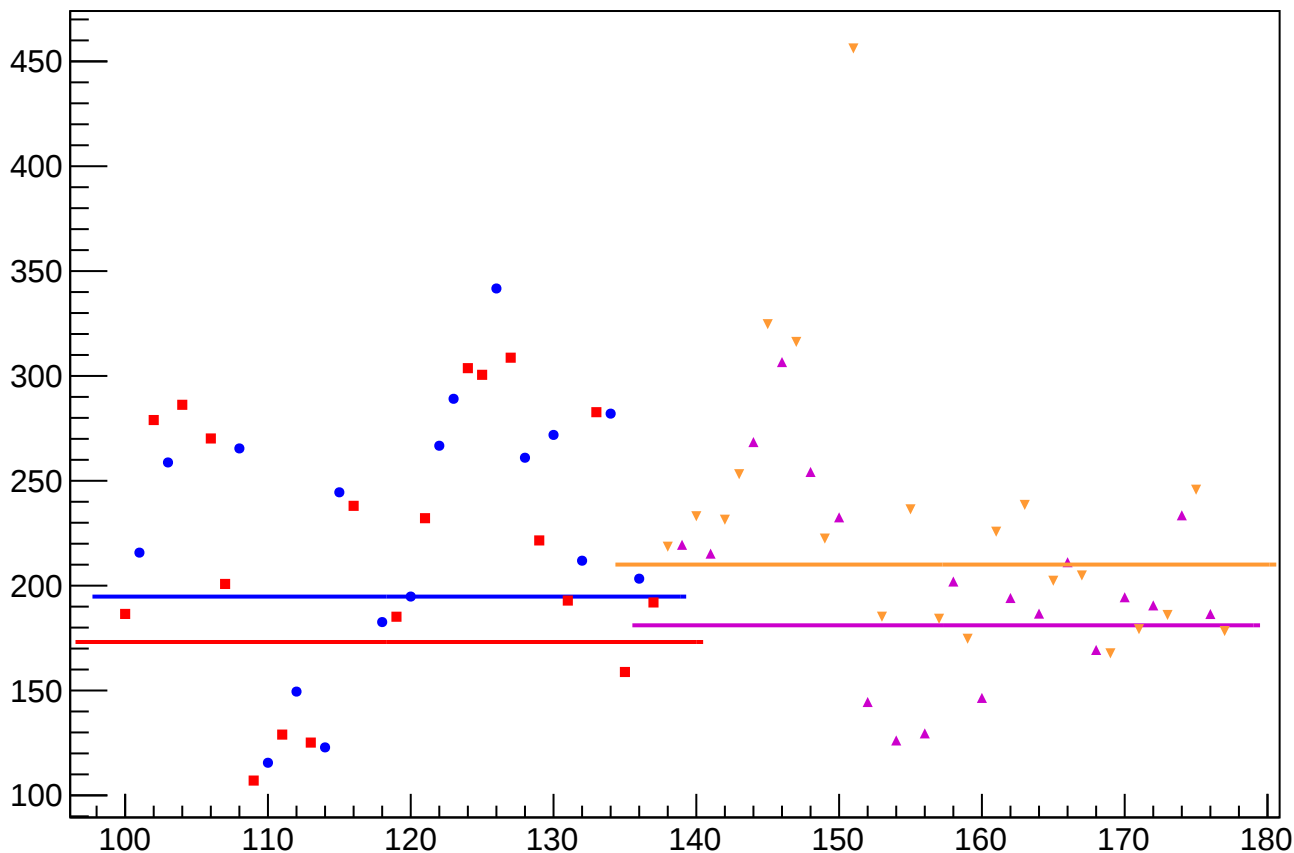
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 43.414+/-42.151 χ^2/NDF : 14.4/35

Out: 1.563+/-43.154 χ^2/NDF : 12.4/39

All: 22.981+/-30.153 χ^2/NDF : 27.2/75

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 ± 0.057 $\chi^2/\text{NDF}: 1008292.8/16$

Left Out: 210.054 ± 0.039 $\chi^2/\text{NDF}: 1297720.1/20$

Right Out: 173.131 ± 0.050 $\chi^2/\text{NDF}: 1567556.0/18$

Left In: 181.087 ± 0.035 $\chi^2/\text{NDF}: 1576023.0/18$

Left: 194.186 ± 0.026 $\chi^2/\text{NDF}: 3182267.1/39$

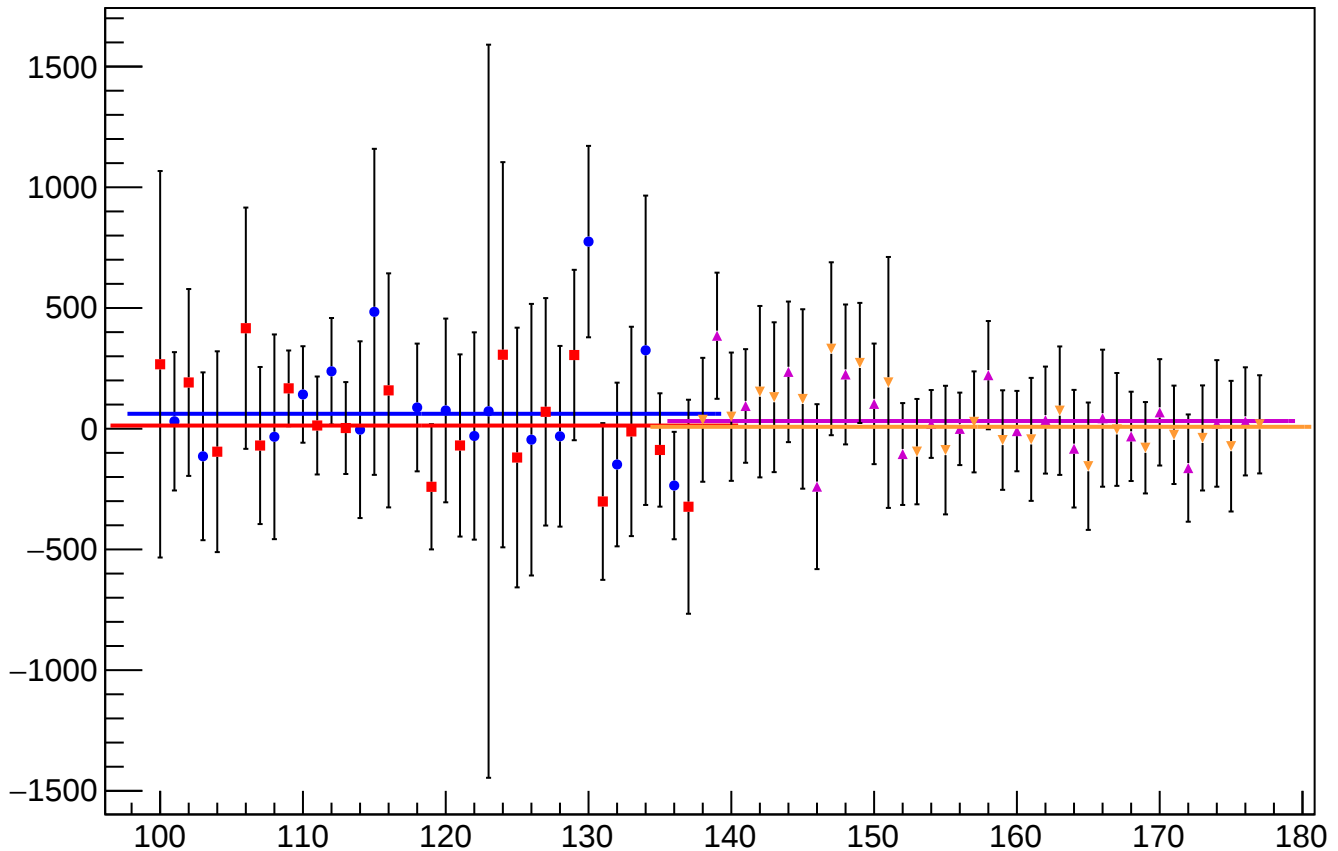
Right: 182.592 ± 0.037 $\chi^2/\text{NDF}: 2658346.9/35$

In: 184.890 ± 0.030 $\chi^2/\text{NDF}: 2626662.2/35$

Out: 196.207 ± 0.031 $\chi^2/\text{NDF}: 3208445.8/39$

All: 190.415 ± 0.021 $\chi^2/\text{NDF}: 5905499.5/75$

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2/NDF : 7.3/16

Left Out: 7.864 $\pm$ 54.456 χ^2/NDF : 3.8/20

Right Out: 13.101 $\pm$ 70.391 χ^2/NDF : 5.8/18

Left In: 31.905 $\pm$ 49.467 χ^2/NDF : 5.9/18

Left: 21.036 $\pm$ 36.616 χ^2/NDF : 9.9/39

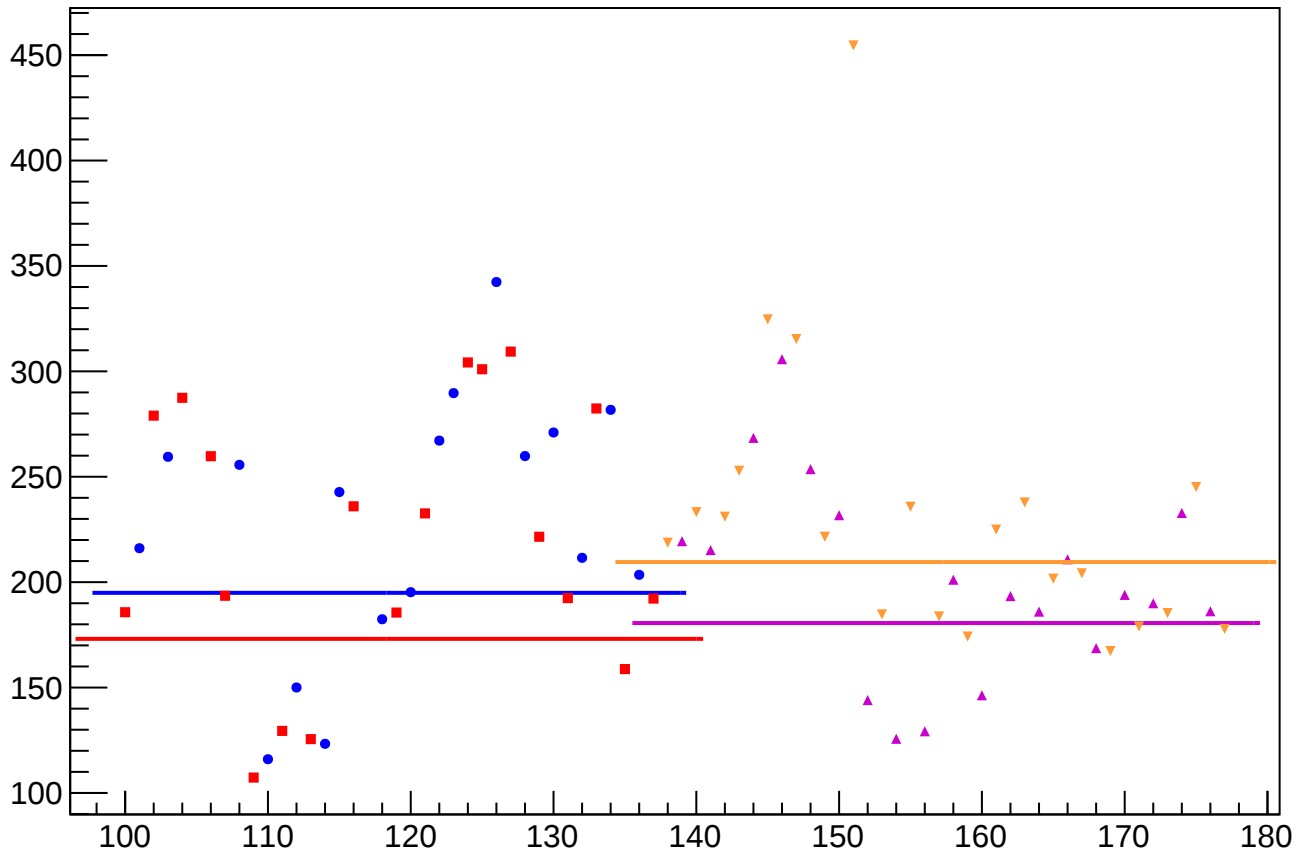
Right: 34.362 $\pm$ 52.842 χ^2/NDF : 13.2/35

In: 40.180 $\pm$ 42.072 χ^2/NDF : 13.3/35

Out: 9.825 $\pm$ 43.071 χ^2/NDF : 9.6/39

All: 25.359 $\pm$ 30.096 χ^2/NDF : 23.2/75

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 ± 0.057 $\chi^2/\text{NDF}: 986629.1/16$

Left Out: 209.540 ± 0.039 $\chi^2/\text{NDF}: 1300216.7/20$

Right Out: 173.109 ± 0.050 $\chi^2/\text{NDF}: 1544723.9/18$

Left In: 180.614 ± 0.035 $\chi^2/\text{NDF}: 1579629.0/18$

Left: 193.691 ± 0.026 $\chi^2/\text{NDF}: 3189035.7/39$

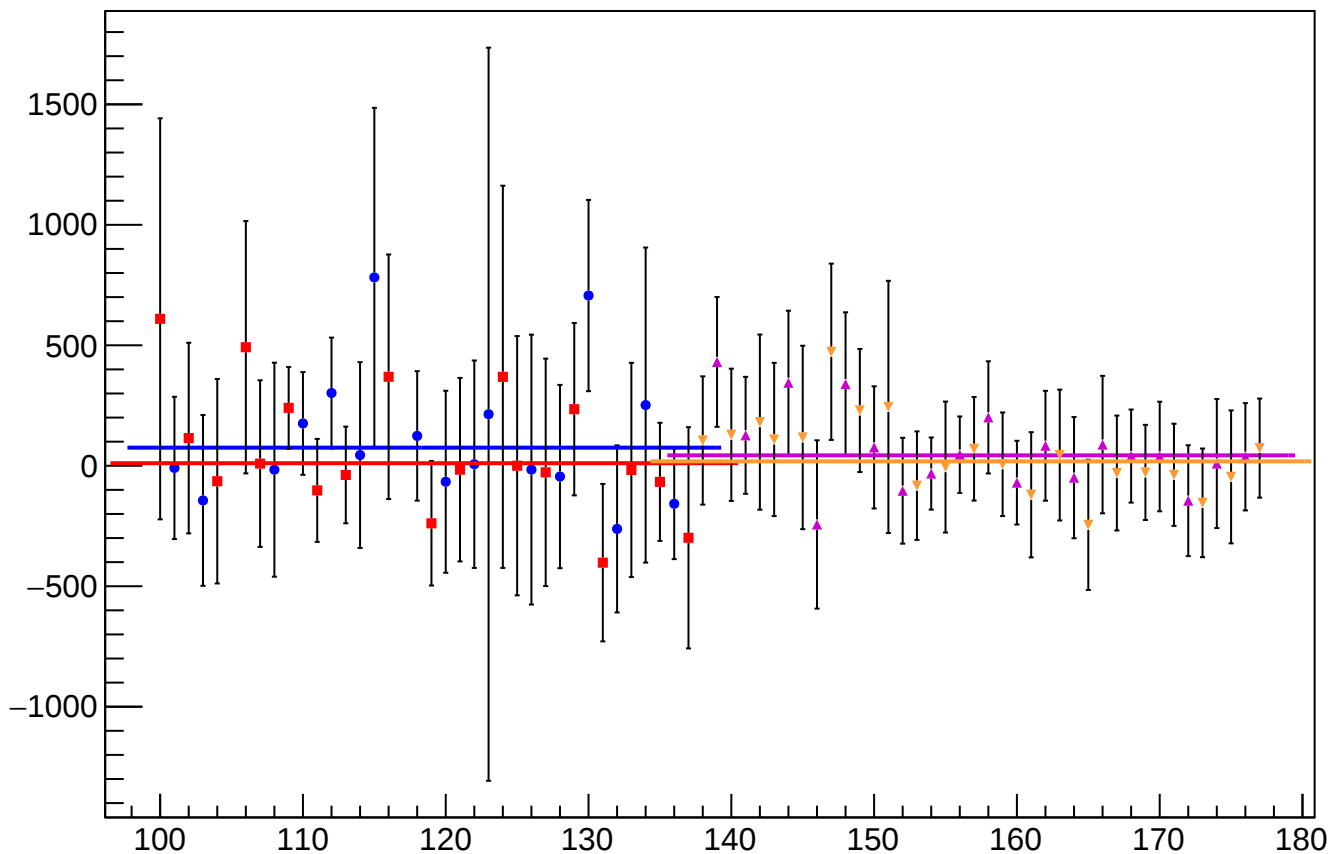
Right: 182.637 ± 0.037 $\chi^2/\text{NDF}: 2615306.2/35$

In: 184.577 ± 0.030 $\chi^2/\text{NDF}: 2612661.3/35$

Out: 195.900 ± 0.030 $\chi^2/\text{NDF}: 3180085.8/39$

All: 190.105 ± 0.021 $\chi^2/\text{NDF}: 5863480.3/75$

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 18.321 $\pm$ 56.010 χ^2 /NDF: 5.4/20

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: 43.237 $\pm$ 51.296 χ^2 /NDF: 7.3/18

Left: 31.872 $\pm$ 37.829 χ^2 /NDF: 12.9/39

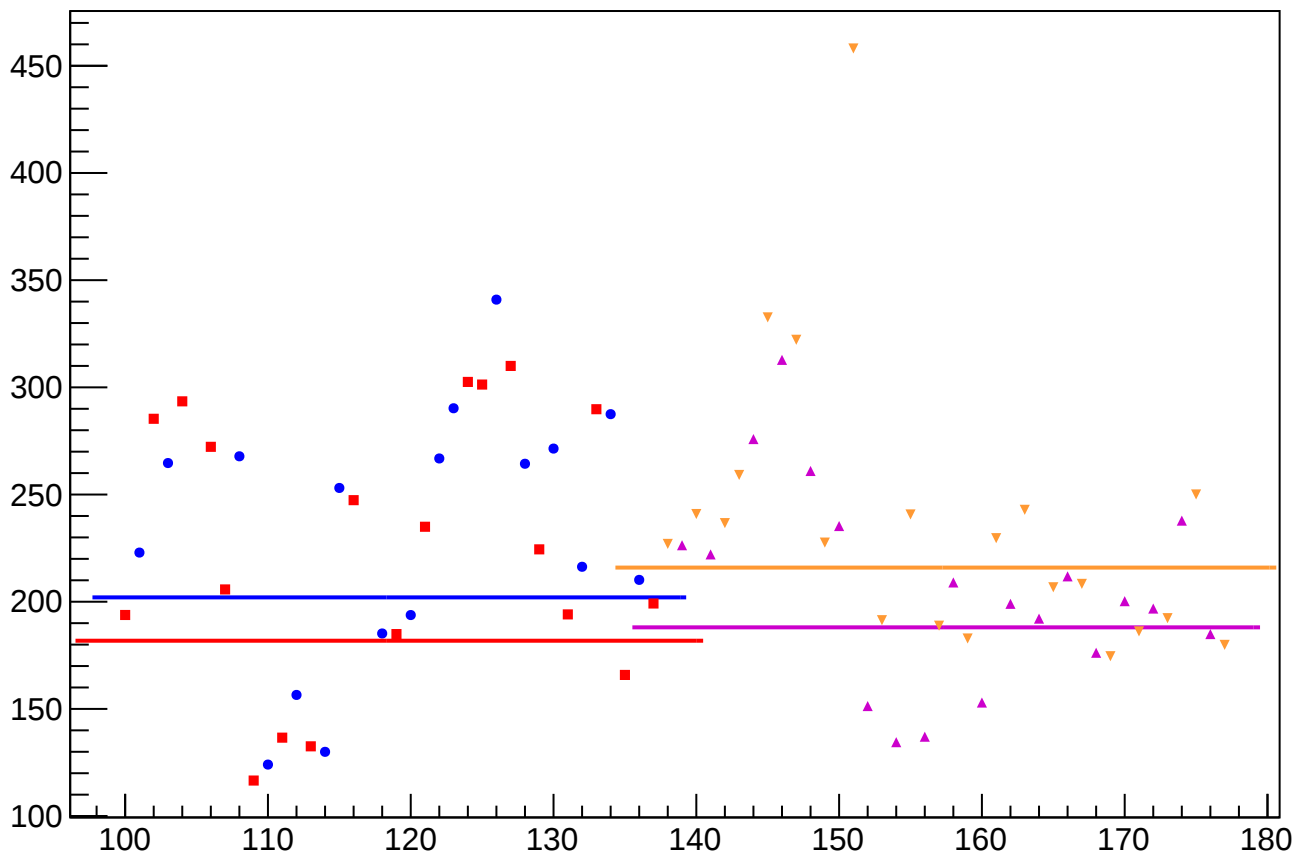
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 52.150 $\pm$ 43.562 χ^2 /NDF: 15.1/35

Out: 15.504 $\pm$ 44.513 χ^2 /NDF: 13.3/39

All: 34.222 $\pm$ 31.134 χ^2 /NDF: 28.7/75

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 215.929 $\pm$ 0.040 χ^2 /NDF:1242744.4/20

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

Left In: 188.049 $\pm$ 0.036 χ^2 /NDF:1417869.0/18

Left: 200.766 $\pm$ 0.027 χ^2 /NDF: 2930115.9/39

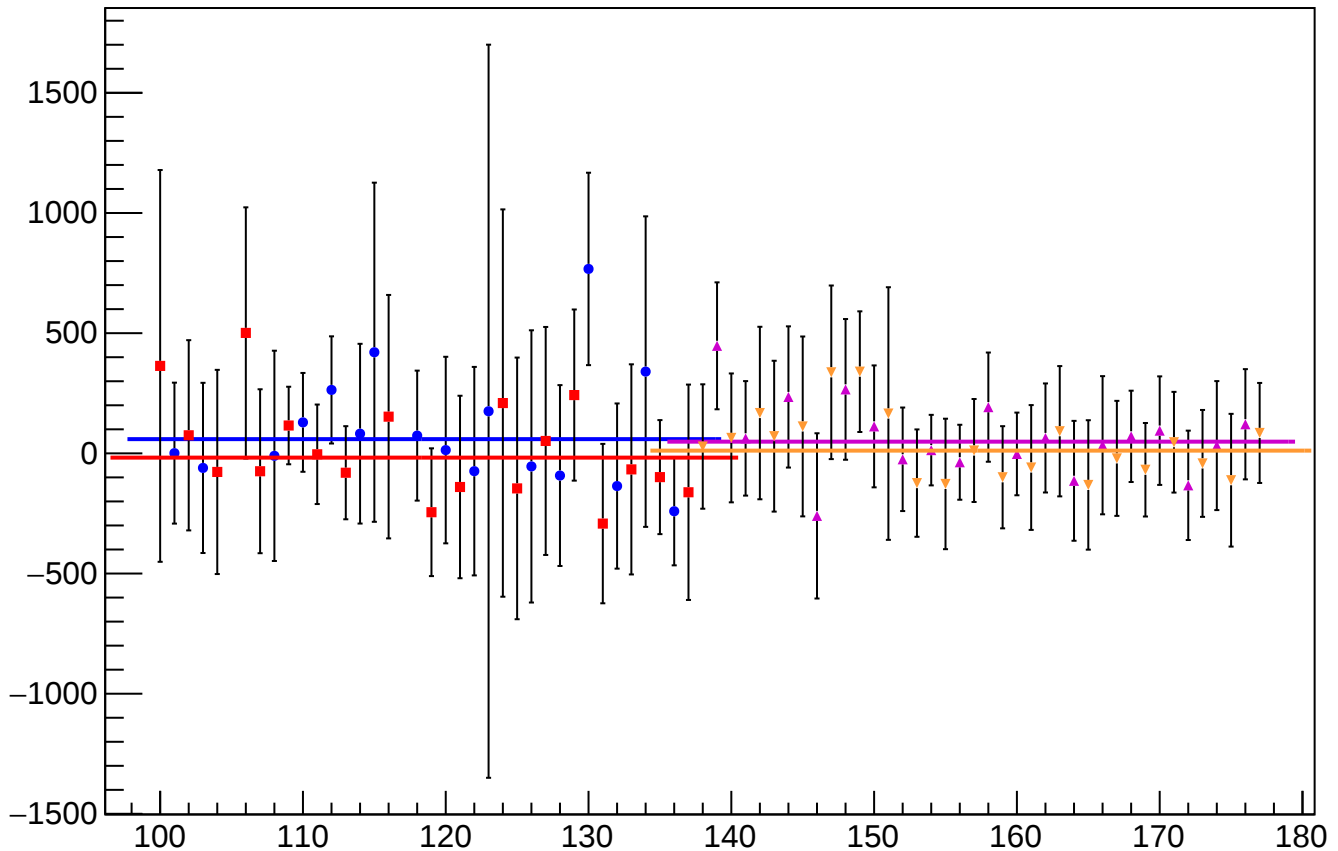
Right: 190.735 $\pm$ 0.039 χ^2 /NDF: 2326235.8/35

In: 191.946 $\pm$ 0.031 χ^2 /NDF:2340893.1/35

Out: 203.360 $\pm$ 0.031 χ^2 /NDF:2893667.7/39

All: 197.530 $\pm$ 0.022 χ^2 /NDF: 5301725.6/75

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 11.386 $\pm$ 55.558 χ^2 /NDF:4.9/20

Right Out: -17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

Left In: 48.672 $\pm$ 50.721 χ^2 /NDF:6.3/18

Left: 31.723 $\pm$ 37.459 χ^2 /NDF: 11.4/39

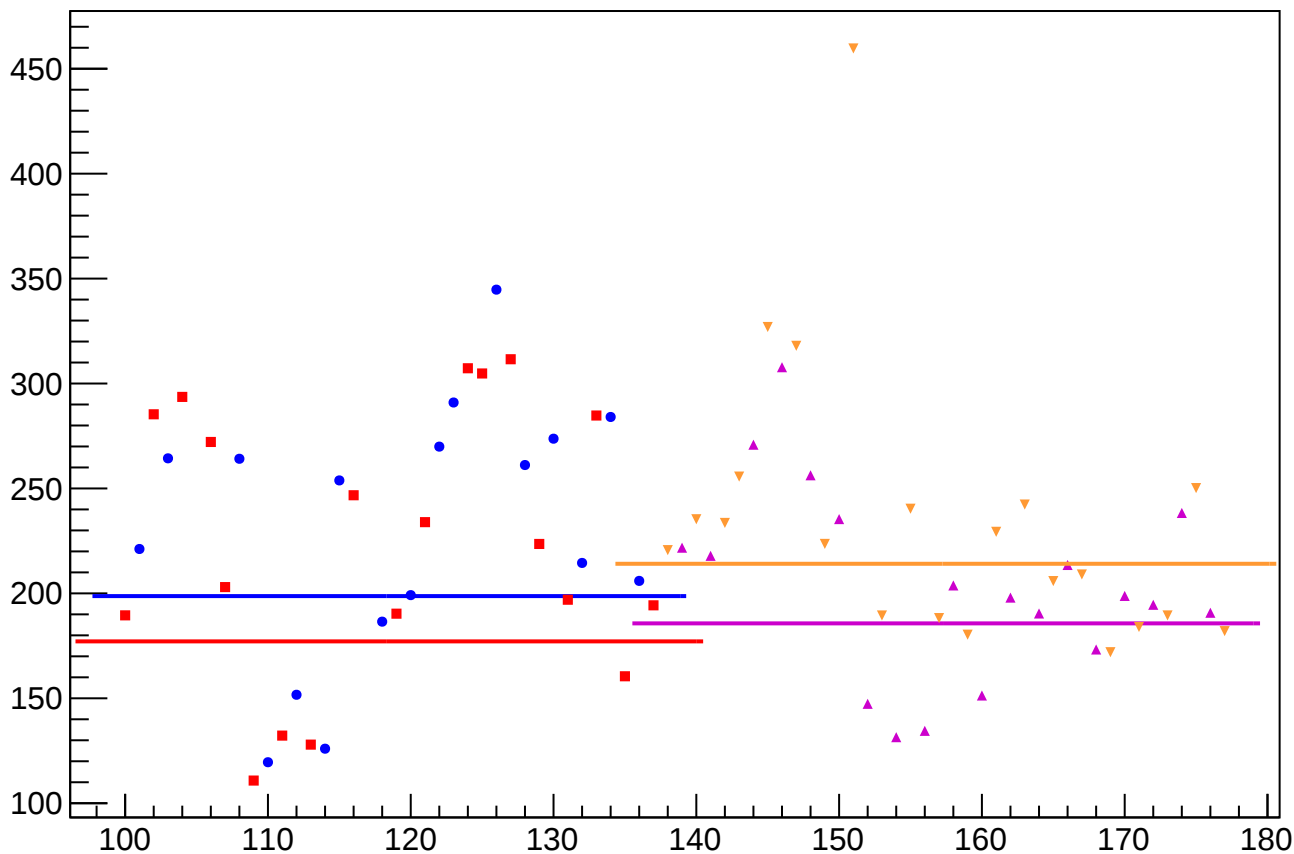
Right: 15.968 $\pm$ 53.893 χ^2 /NDF: 12.3/35

In: 51.608 $\pm$ 43.050 χ^2 /NDF:13.5/35

Out: 0.502 $\pm$ 43.963 χ^2 /NDF:9.7/39

All: 26.591 $\pm$ 30.759 χ^2 /NDF: 23.8/75

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 214.103 $\pm$ 0.039 χ^2 /NDF:1237060.2/20

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

Left In: 185.706 $\pm$ 0.036 χ^2 /NDF:1453258.8/18

Left: 198.614 $\pm$ 0.026 χ^2 /NDF: 2975303.0/39

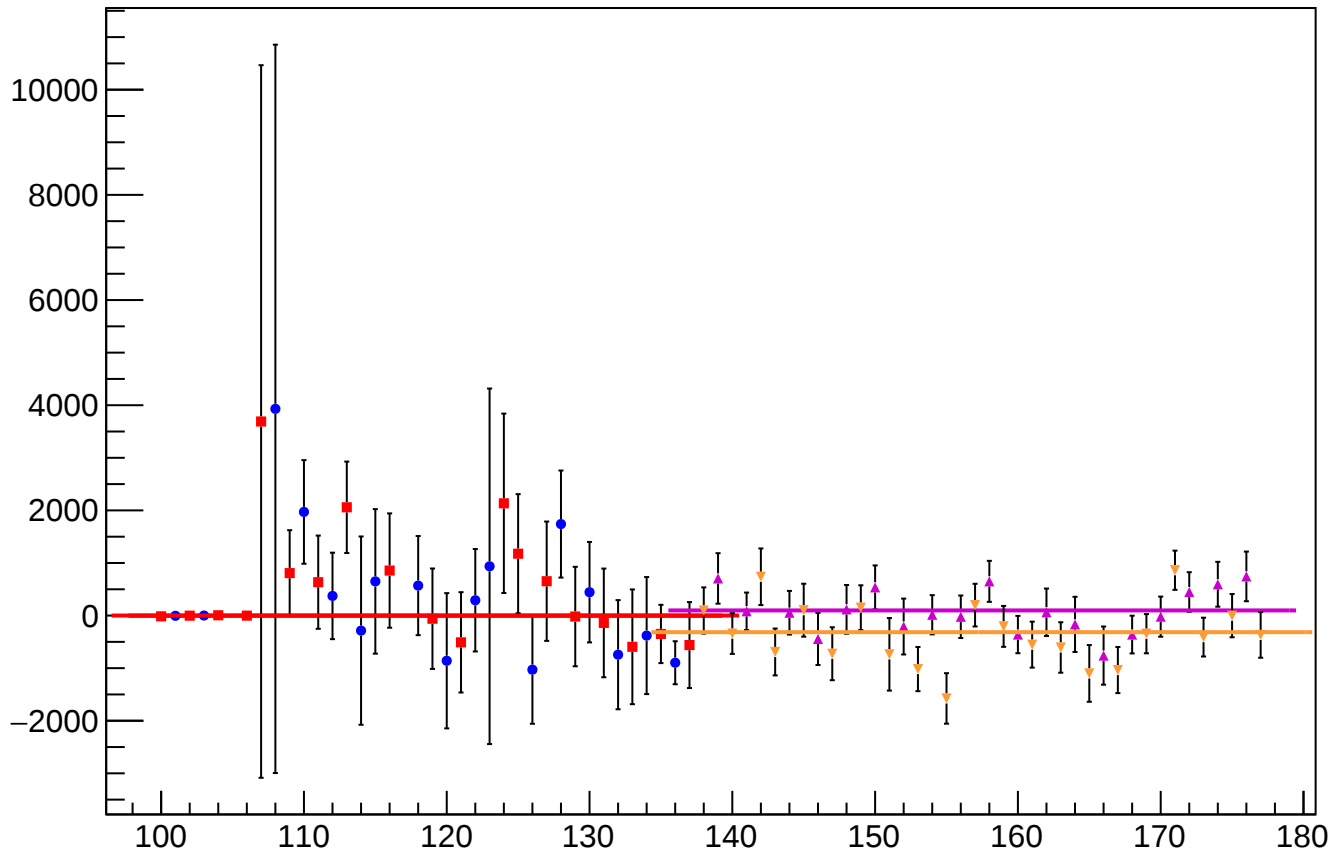
Right: 186.580 $\pm$ 0.038 χ^2 /NDF: 2567217.8/35

In: 189.340 $\pm$ 0.030 χ^2 /NDF:2453375.8/35

Out: 200.278 $\pm$ 0.031 χ^2 /NDF:3093180.7/39

All: 194.694 $\pm$ 0.022 χ^2 /NDF: 5609763.3/75

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -315.491 ± 95.458 χ^2/NDF : 35.8/20

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

Left In: 97.859 ± 96.483 χ^2/NDF : 16.6/18

Left: -111.023 ± 67.859 χ^2/NDF : 61.7/39

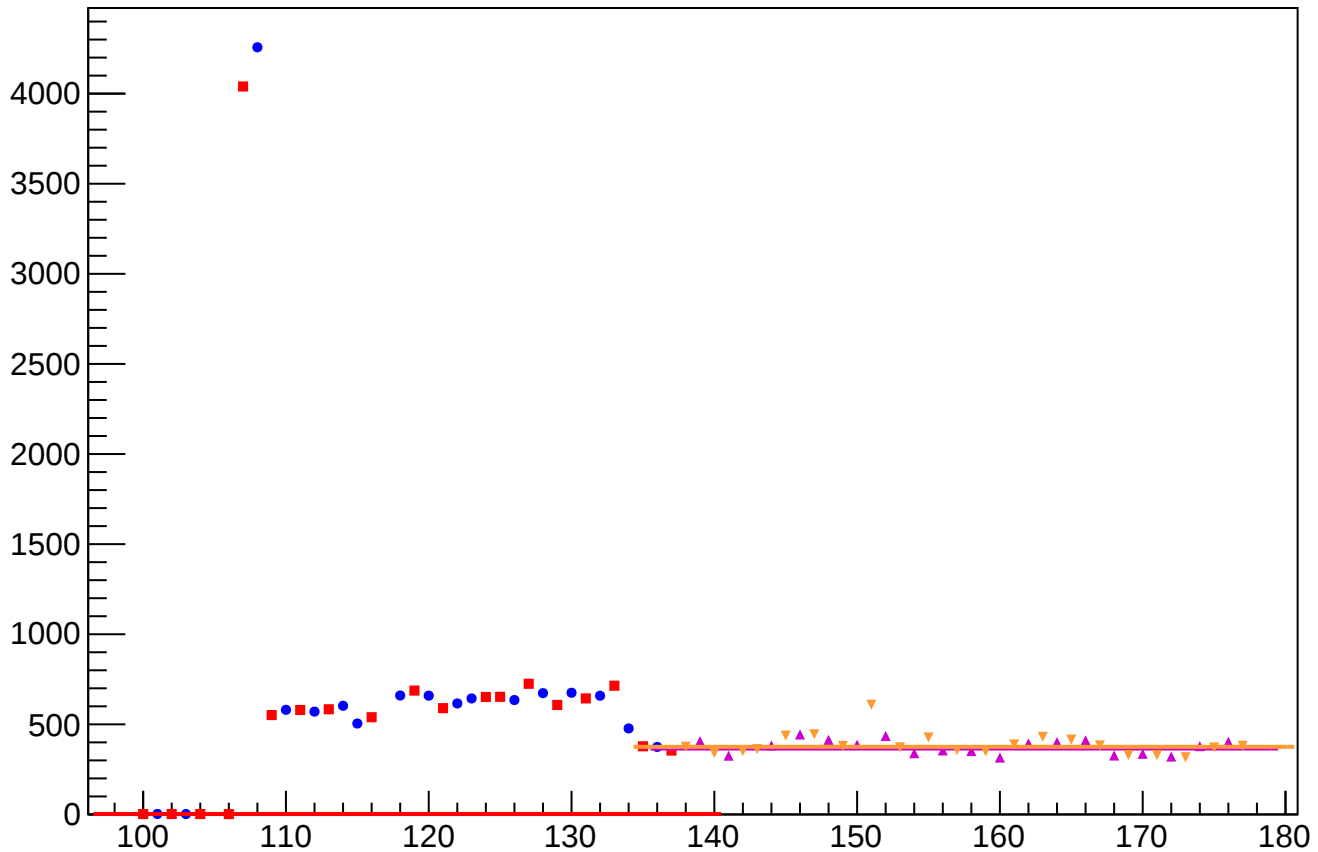
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.475 ± 2.251 χ^2/NDF : 34.3/35

Out: 0.577 ± 2.111 χ^2/NDF : 65.2/39

All: -0.383 ± 1.540 χ^2/NDF : 100.0/75

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 375.413+/-0.067 χ^2/NDF : 505880.5/20

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

Left In: 365.748+/-0.068 χ^2/NDF : 315004.3/18

Left: 370.632+/-0.048 χ^2/NDF : 831028.0/39

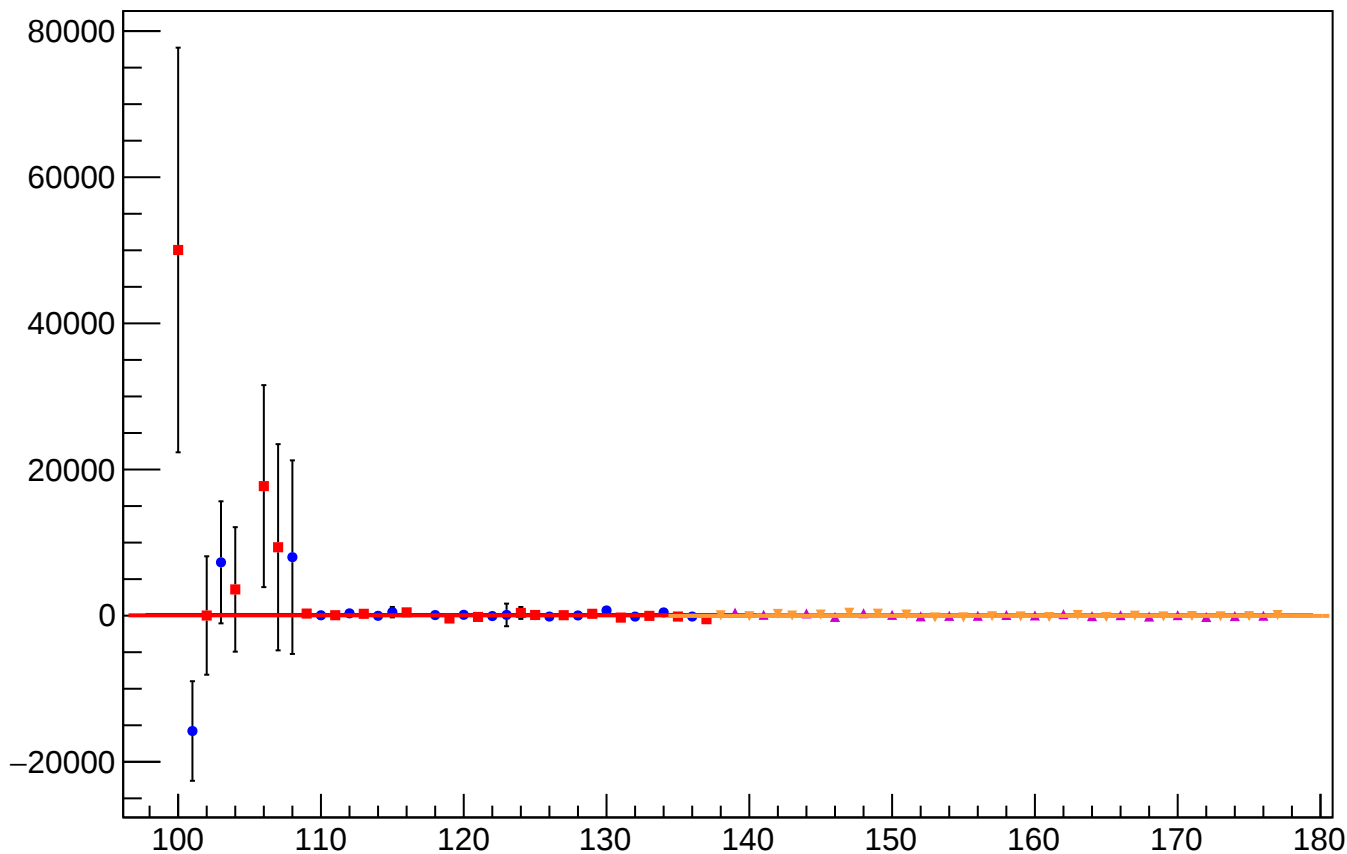
Right: 2.446+/-0.001 χ^2/NDF : 21846612.0/35

In: 2.654+/-0.002 χ^2/NDF : 39361454.8/35

Out: 2.619+/-0.001 χ^2/NDF : 42163897.1/39

All: 2.635+/-0.001 χ^2/NDF : 81525606.9/75

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -30.505+/-57.094 χ^2/NDF : 6.4/20

Right Out: 42.617+/-84.547 χ^2/NDF : 14.0/18

Left In: 38.872+/-53.360 χ^2/NDF : 7.3/18

Left: 6.526+/-38.984 χ^2/NDF : 14.5/39

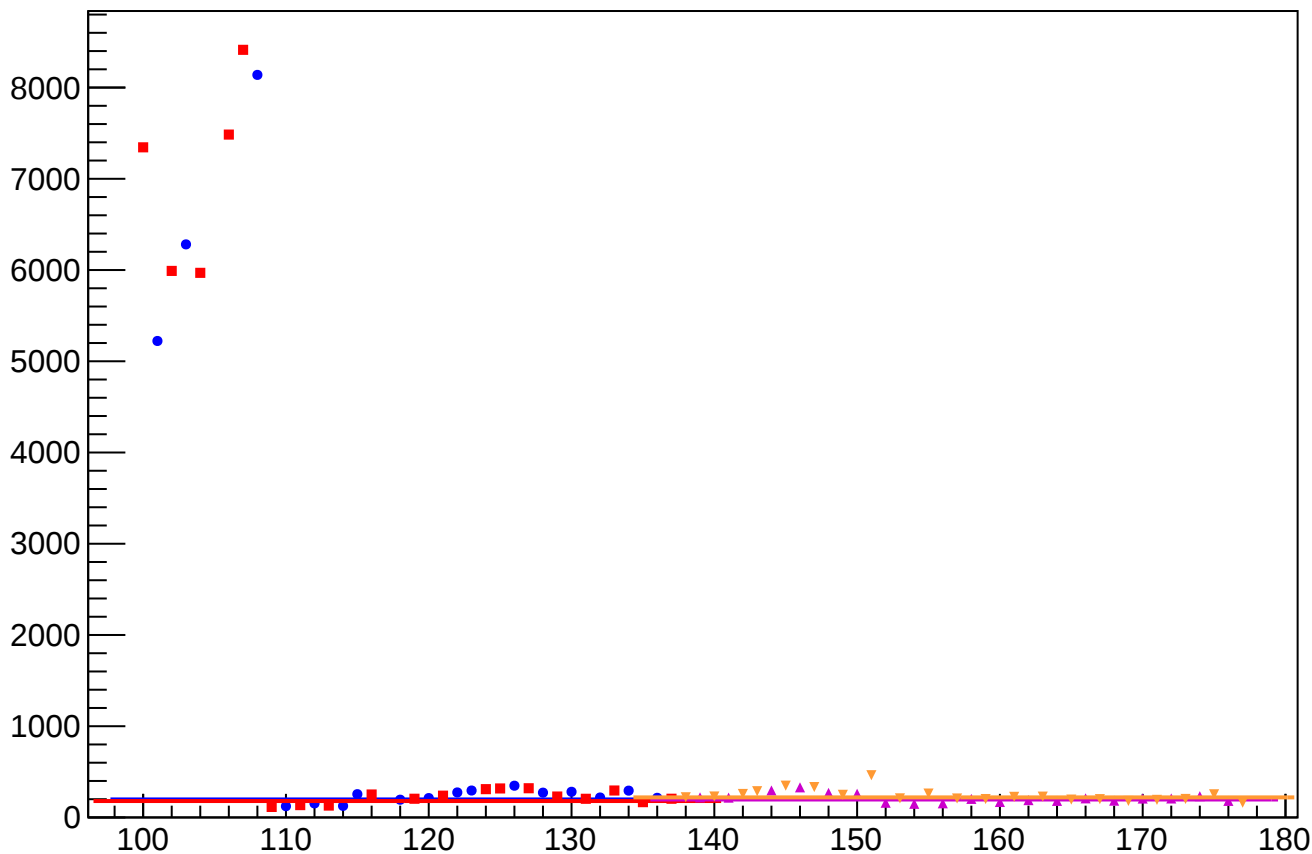
Right: 66.846+/-62.161 χ^2/NDF : 26.2/35

In: 53.157+/-46.121 χ^2/NDF : 19.6/35

Out: -7.603+/-47.316 χ^2/NDF : 20.9/39

All: 23.554+/-33.027 χ^2/NDF : 41.3/75

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 219.856+/-0.040 χ^2/NDF :1363011.3/20

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

Left In: 196.833+/-0.038 χ^2/NDF :1130174.0/18

Left: 207.567+/-0.028 χ^2/NDF : 2666778.1/39

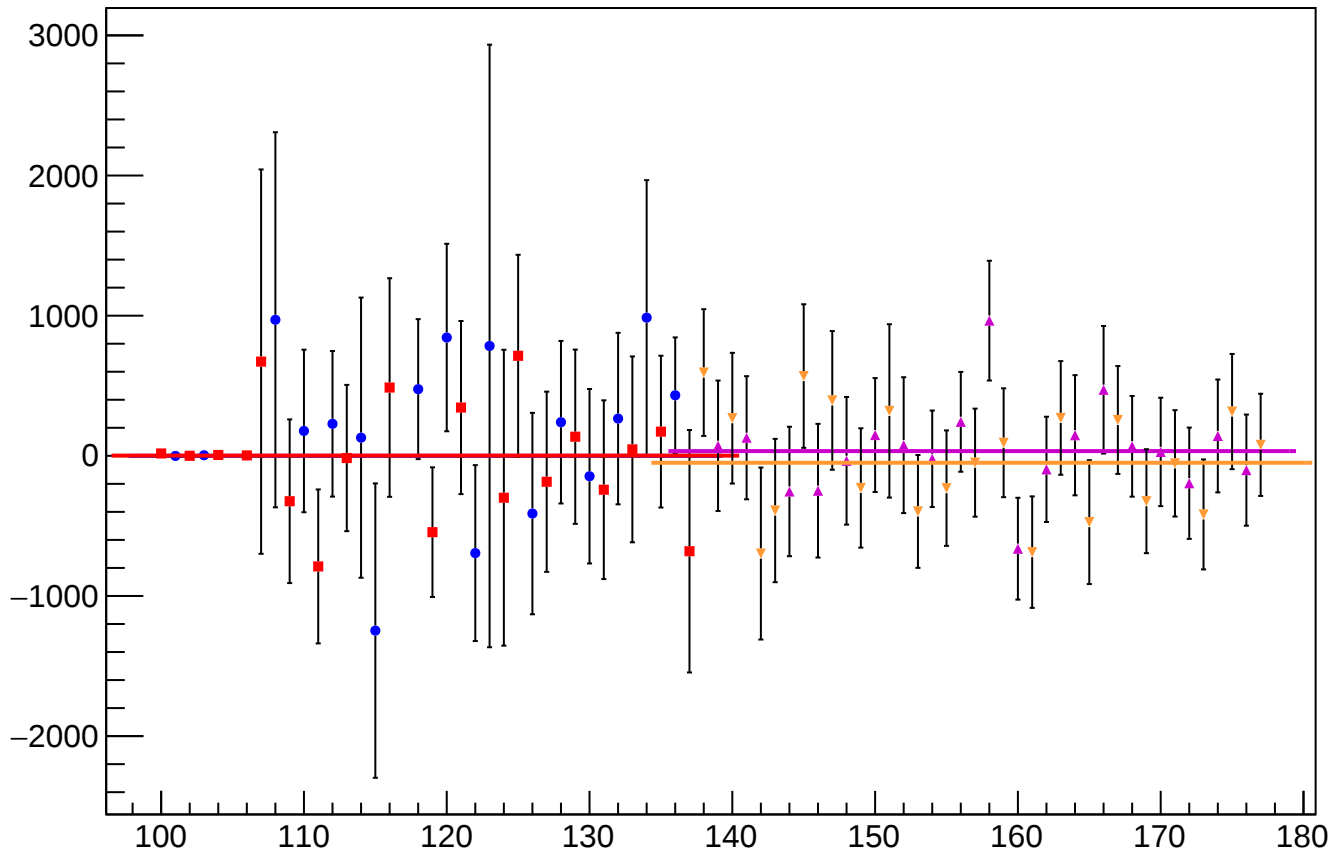
Right: 187.995+/-0.044 χ^2/NDF : 8056346.9/35

In: 196.982+/-0.033 χ^2/NDF :4826083.9/35

Out: 207.368+/-0.033 χ^2/NDF :5989933.3/39

All: 202.042+/-0.023 χ^2/NDF : 10865431.3/75

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -49.553 ± 92.918 χ^2/NDF : 15.0/20

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.5/18

Left In: 33.702 ± 93.636 χ^2/NDF : 11.3/18

Left: -8.246 ± 65.955 χ^2/NDF : 26.7/39

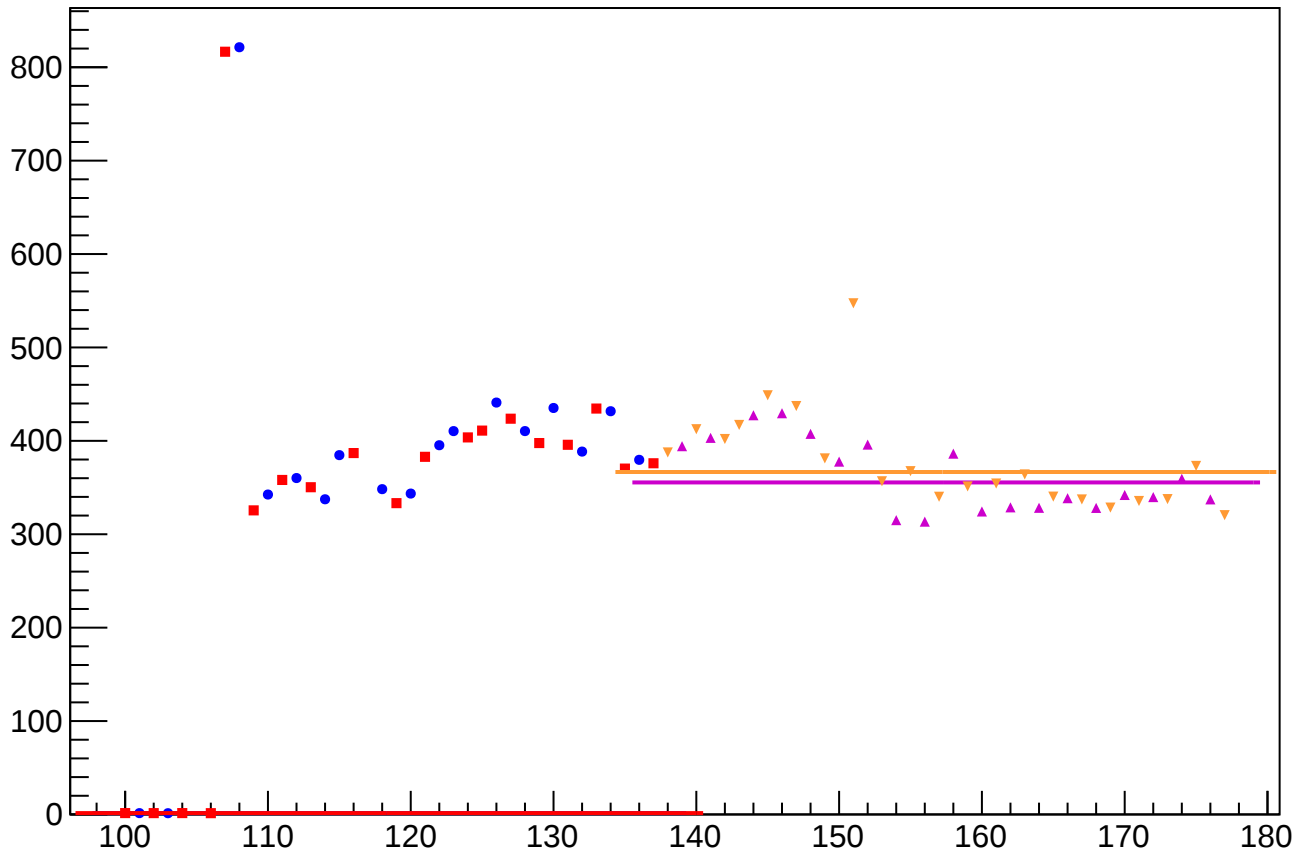
Right: 0.642 ± 1.186 χ^2/NDF : 19.7/35

In: -0.127 ± 1.736 χ^2/NDF : 21.2/35

Out: 1.308 ± 1.622 χ^2/NDF : 24.8/39

All: 0.639 ± 1.185 χ^2/NDF : 46.4/75

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 366.648+/-0.066 χ^2/NDF : 427375.0/20

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

Left In: 355.474+/-0.066 χ^2/NDF : 303027.9/18

Left: 361.104+/-0.047 χ^2/NDF : 744753.9/39

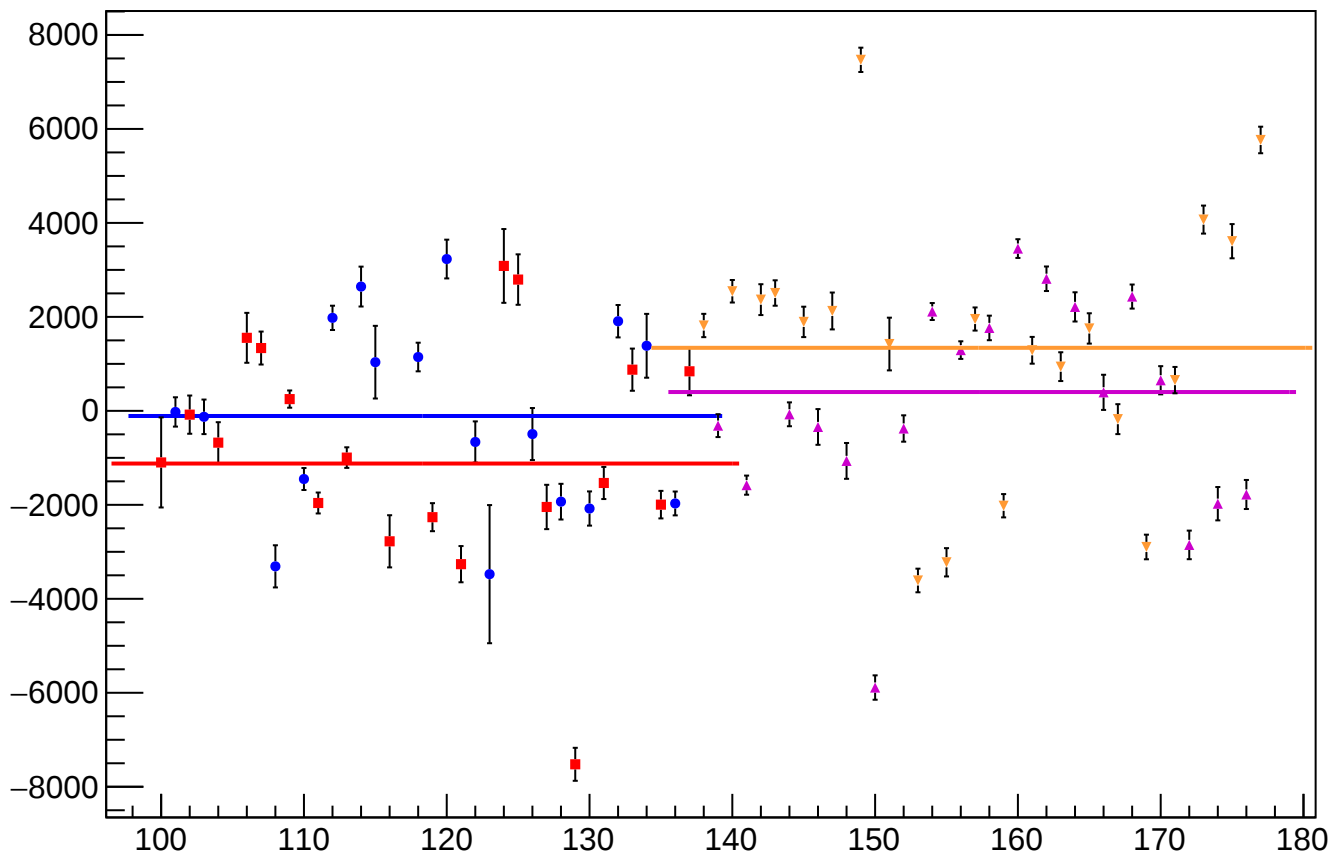
Right: 1.452+/-0.001 χ^2/NDF : 21689445.7/35

In: 1.574+/-0.001 χ^2/NDF : 39698200.3/35

Out: 1.562+/-0.001 χ^2/NDF : 42186295.5/39

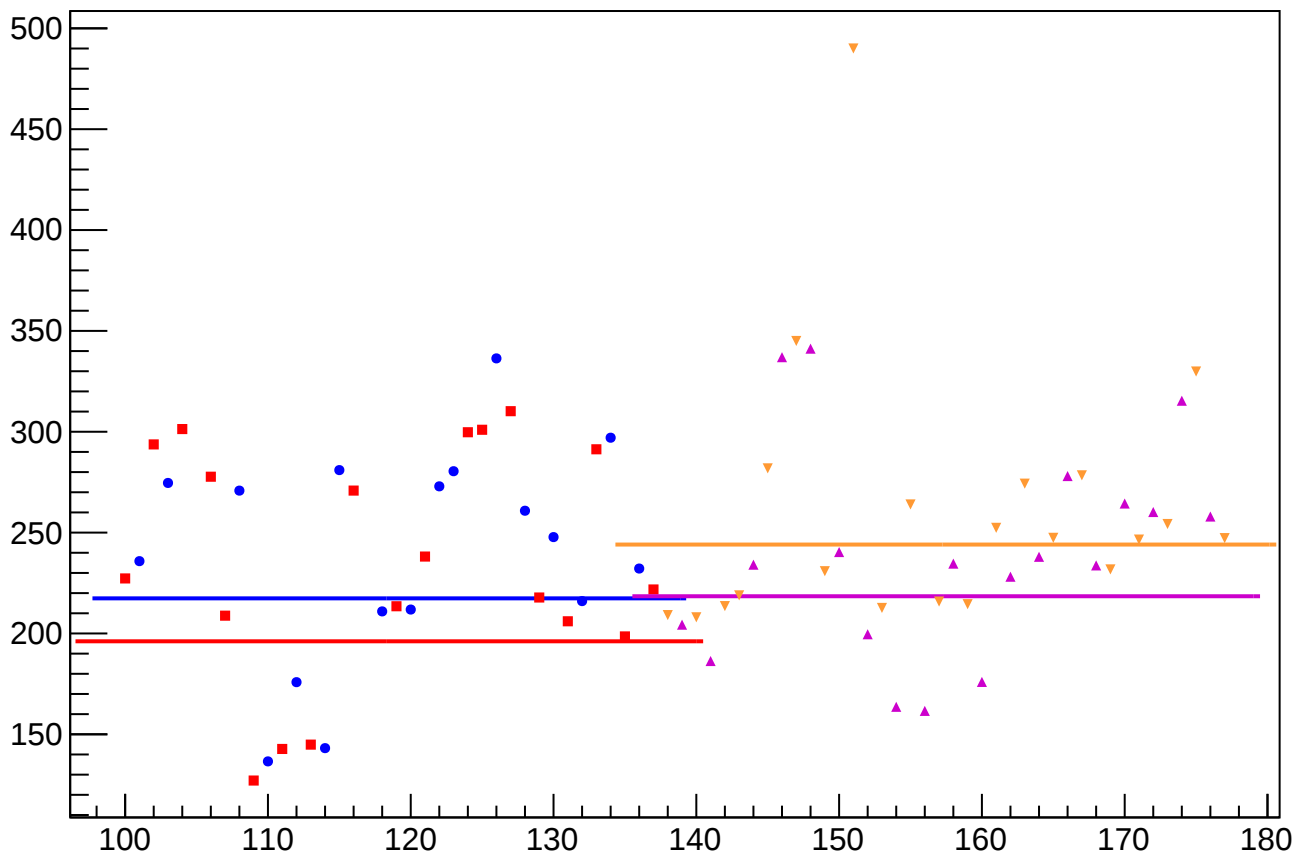
All: 1.568+/-0.001 χ^2/NDF : 81884543.3/75

asym_bcm0l02_mean vs Slug, Sign Corrected



Left: 842.187 ± 43.204 $\chi^2/\text{NDF}: 3698.7/39$
 Right: -673.210 ± 58.525 $\chi^2/\text{NDF}: 1172.2/35$
 In: 241.321 ± 49.170 $\chi^2/\text{NDF}: 1938.1/35$
 Out: 373.915 ± 49.143 $\chi^2/\text{NDF}: 3363.1/39$
 All: 307.656 ± 34.759 $\chi^2/\text{NDF}: 5304.8/75$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 ± 0.062 χ^2/NDF : 652632.9/16

Left Out: 244.075 ± 0.045 χ^2/NDF : 926314.8/20

Right Out: 196.112 ± 0.055 χ^2/NDF : 1190862.3/18

Left In: 218.448 ± 0.042 χ^2/NDF : 1290069.7/18

Left: 230.473 ± 0.031 χ^2/NDF : 2391639.4/39

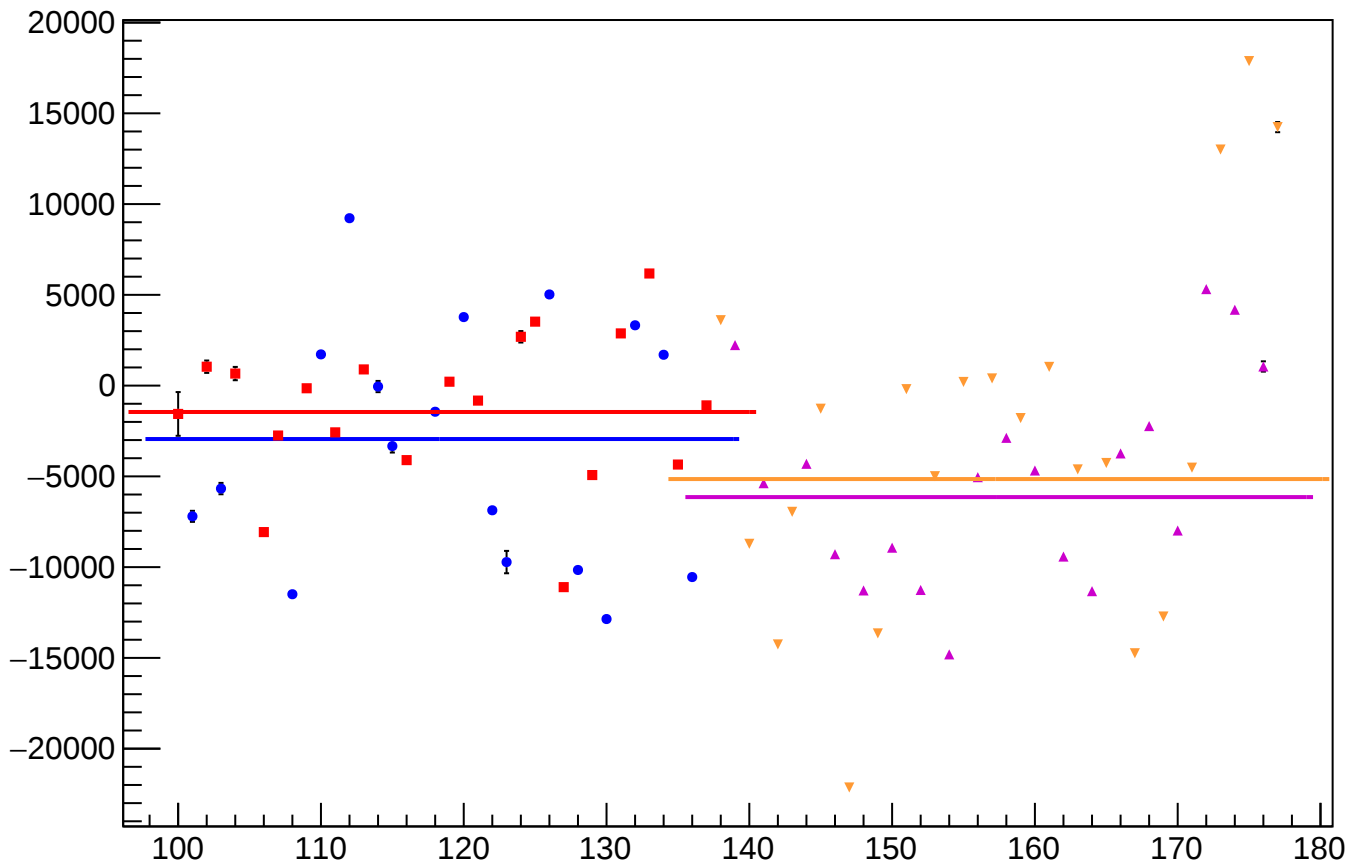
Right: 205.537 ± 0.041 χ^2/NDF : 1908796.2/35

In: 218.122 ± 0.035 χ^2/NDF : 1942896.9/35

Out: 225.229 ± 0.035 χ^2/NDF : 2571632.7/39

All: 221.677 ± 0.025 χ^2/NDF : 4535433.0/75

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -5148.075 ± 36.994 $\chi^2/\text{NDF}: 57527.7/20$

Right Out: -1453.116 ± 46.404 $\chi^2/\text{NDF}: 7996.0/18$

Left In: -6141.214 ± 38.290 $\chi^2/\text{NDF}: 17082.3/18$

Left: -5627.549 ± 26.605 $\chi^2/\text{NDF}: 74958.0/39$

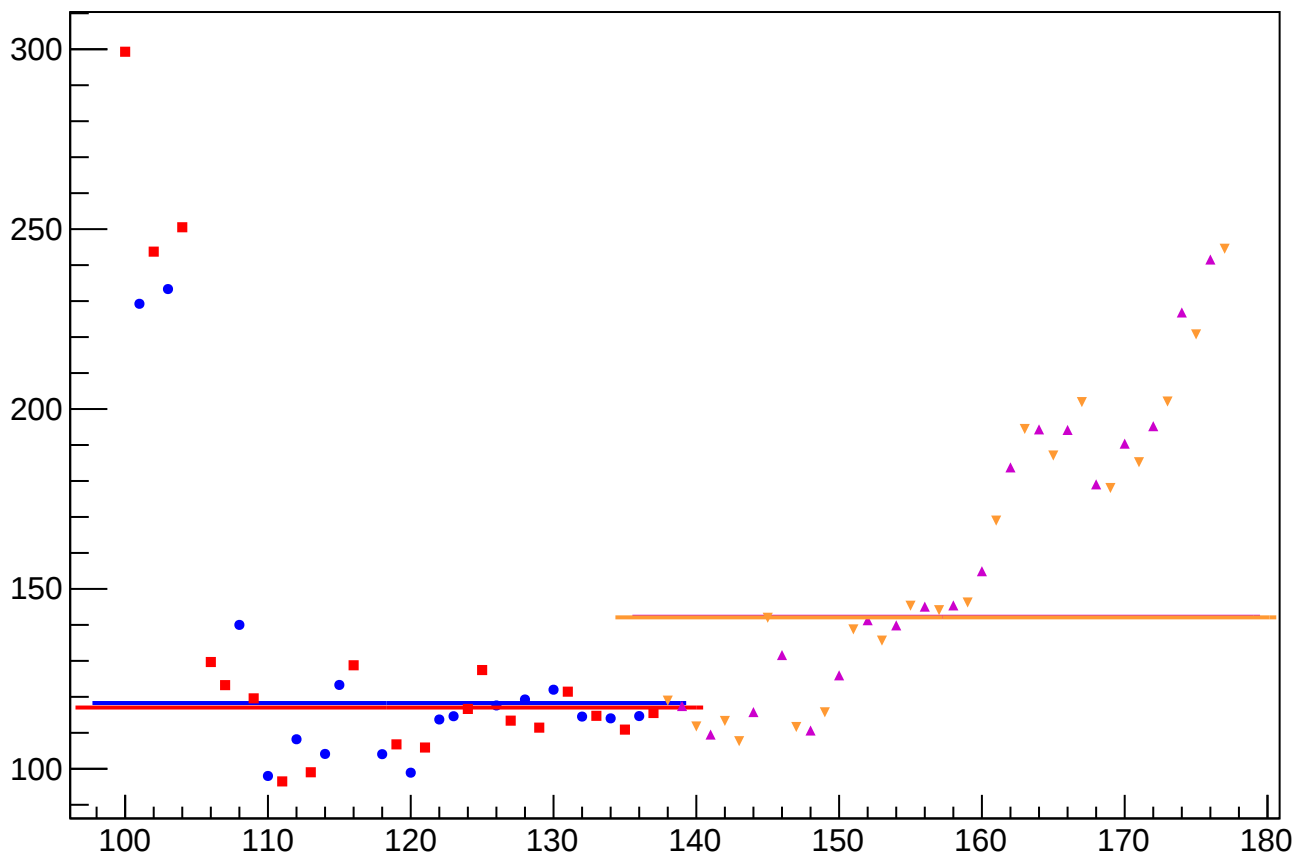
Right: -2163.502 ± 33.566 $\chi^2/\text{NDF}: 29397.3/35$

In: -4916.756 ± 30.080 $\chi^2/\text{NDF}: 40663.1/35$

Out: -3712.264 ± 28.926 $\chi^2/\text{NDF}: 69400.3/39$

All: -4290.979 ± 20.850 $\chi^2/\text{NDF}: 110896.5/77$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 142.094+/-0.026 χ^2/NDF :1664174.7/20

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

Left In: 142.264+/-0.027 χ^2/NDF :1457083.8/18

Left: 142.176+/-0.019 χ^2/NDF : 3121279.0/39

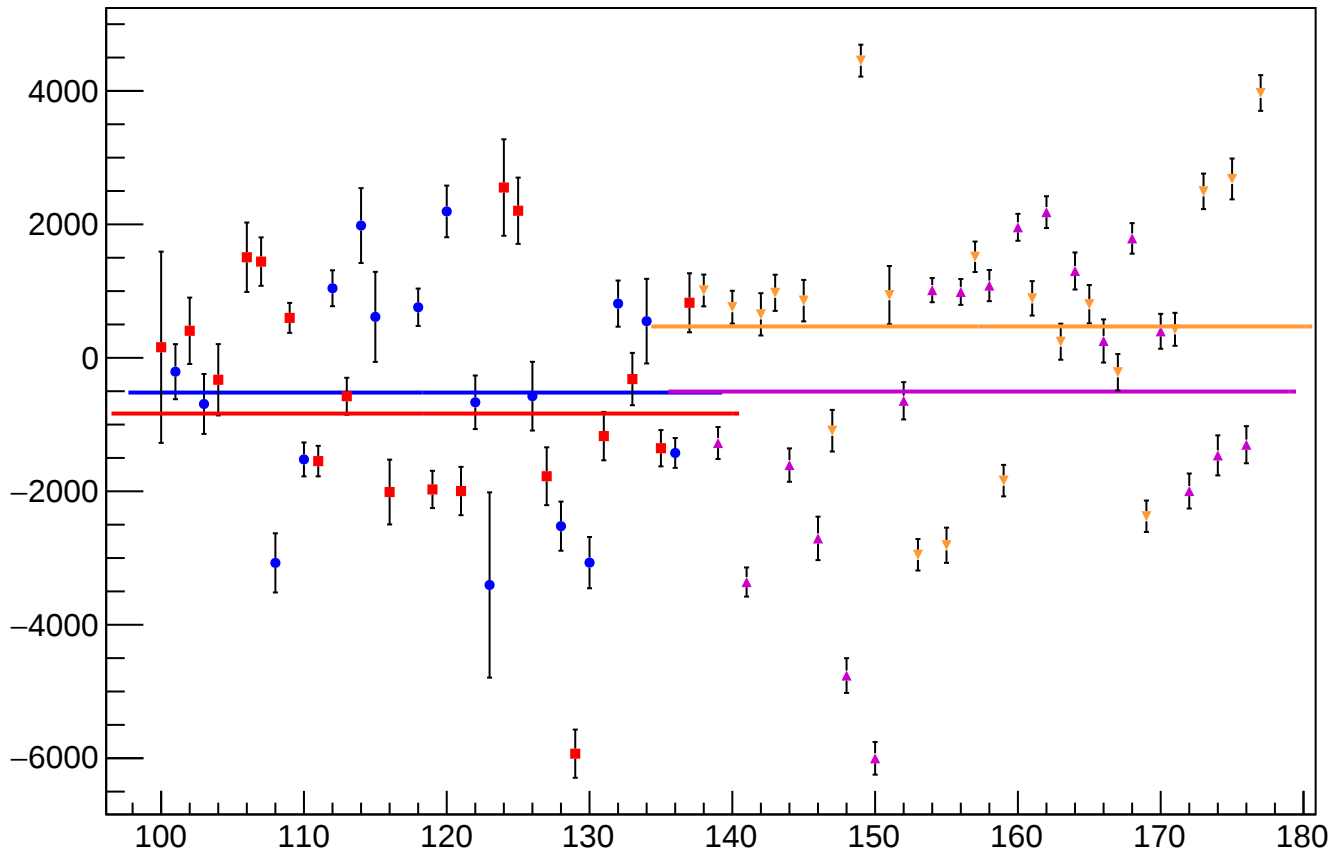
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 133.083+/-0.021 χ^2/NDF :2394303.0/35

Out: 132.355+/-0.020 χ^2/NDF :2711740.9/39

All: 132.705+/-0.015 χ^2/NDF : 5106653.2/75

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267±/89.241 χ^2/NDF : 288.1/16

Left Out: 470.109±/57.924 χ^2/NDF :1234.5/20

Right Out: -834.834±/82.273 χ^2/NDF : 434.7/18

Left In: -504.862±/55.886 χ^2/NDF :1679.2/18

Left: -34.829±/40.219 χ^2/NDF : 3060.4/39

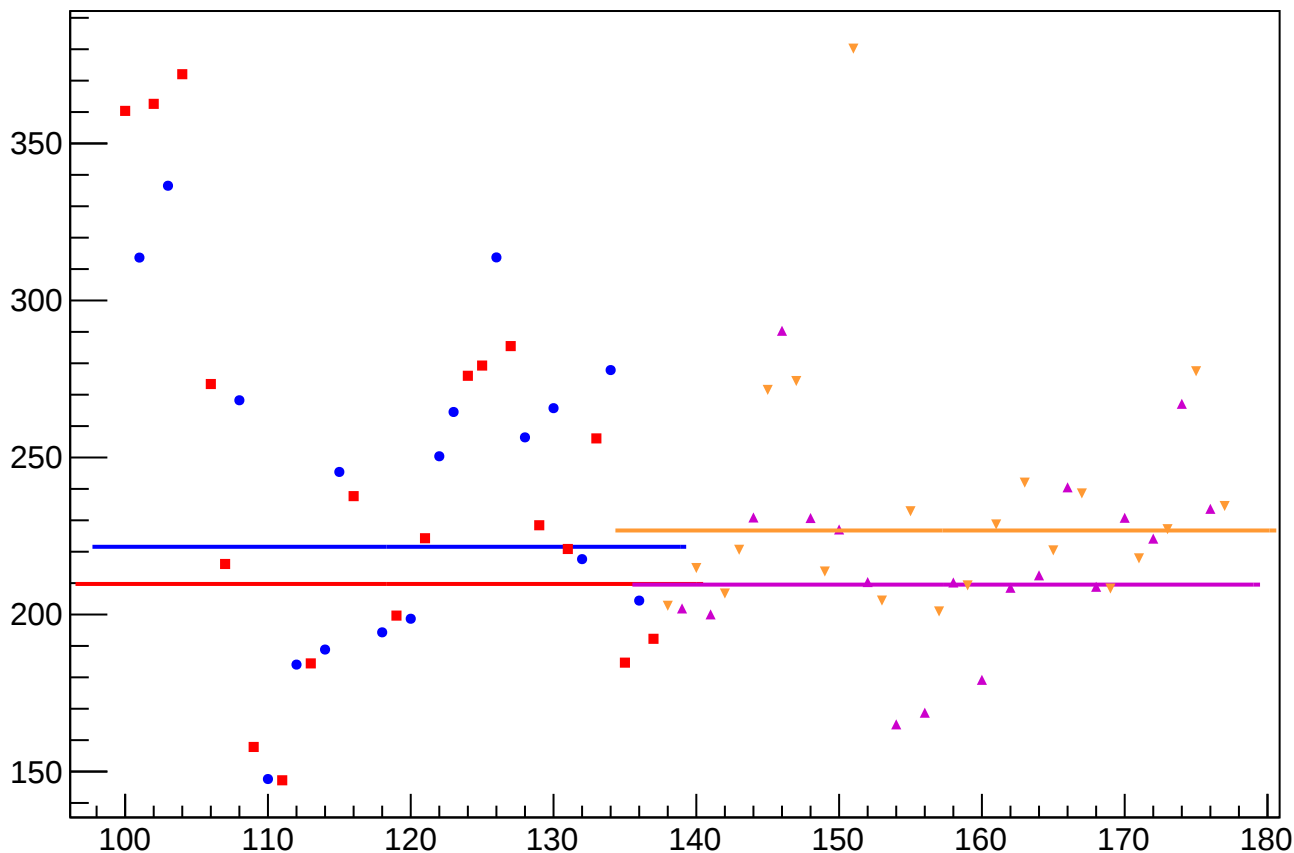
Right: -690.308±/60.489 χ^2/NDF : 729.5/35

In: -509.201±/47.365 χ^2/NDF :1967.3/35

Out: 37.643±/47.363 χ^2/NDF :1837.4/39

All: -235.768±/33.491 χ^2/NDF : 3871.4/75

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570+/-0.063 χ^2/NDF : 644941.4/16

Left Out: 226.761+/-0.041 χ^2/NDF : 513454.4/20

Right Out: 209.736+/-0.058 χ^2/NDF : 883922.1/18

Left In: 209.524+/-0.040 χ^2/NDF : 547940.7/18

Left: 217.834+/-0.028 χ^2/NDF : 1153114.4/39

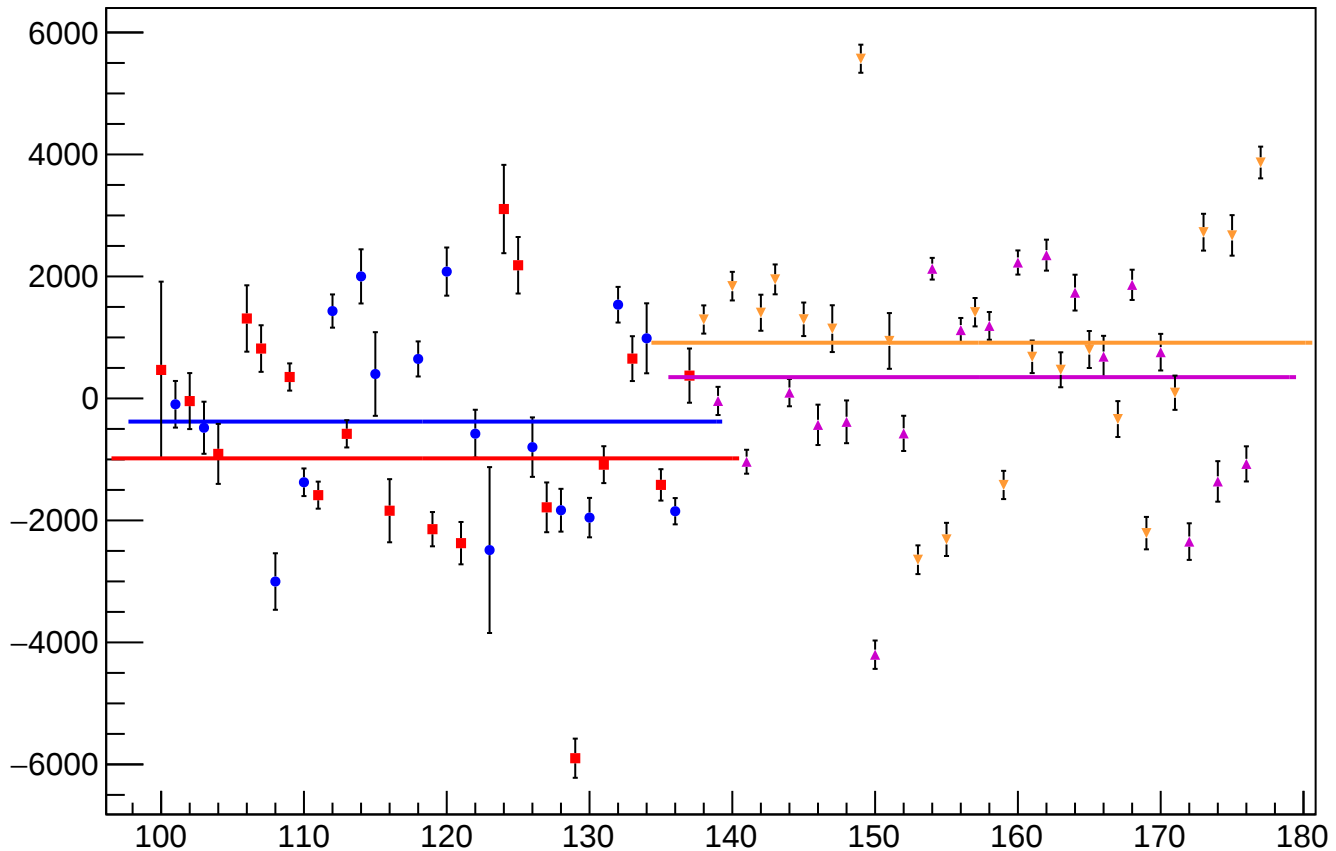
Right: 215.173+/-0.043 χ^2/NDF : 1547873.9/35

In: 212.917+/-0.033 χ^2/NDF : 1219056.2/35

Out: 221.119+/-0.033 χ^2/NDF : 1454633.6/39

All: 217.018+/-0.024 χ^2/NDF : 2703671.9/75

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Left: 620.862 $\pm$ 40.924 χ^2/NDF : 2264.9/39

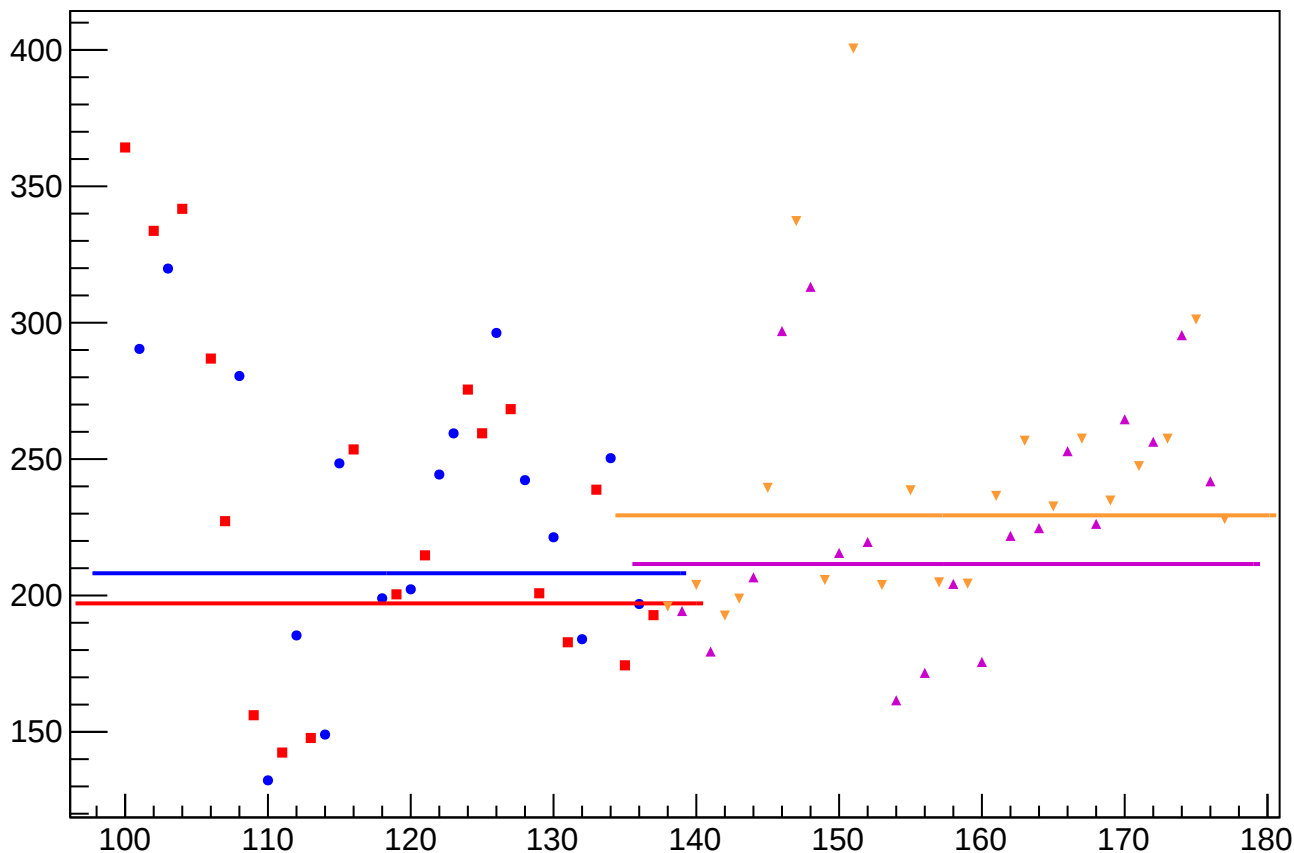
Right: -705.376 $\pm$ 57.130 χ^2/NDF : 821.1/35

In: 121.092 $\pm$ 47.122 χ^2/NDF : 1300.1/35

Out: 220.818 $\pm$ 46.978 χ^2/NDF : 2139.7/39

All: 171.108 $\pm$ 33.269 χ^2/NDF : 3442.1/75

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 $\pm$ 0.060 χ^2/NDF : 699084.2/16

Left Out: 229.384 $\pm$ 0.042 χ^2/NDF :819324.7/20

Right Out: 197.103 $\pm$ 0.055 χ^2/NDF : 926467.5/18

Left In: 211.530 $\pm$ 0.040 χ^2/NDF :976493.8/18

Left: 220.129 $\pm$ 0.029 χ^2/NDF : 1890852.3/39

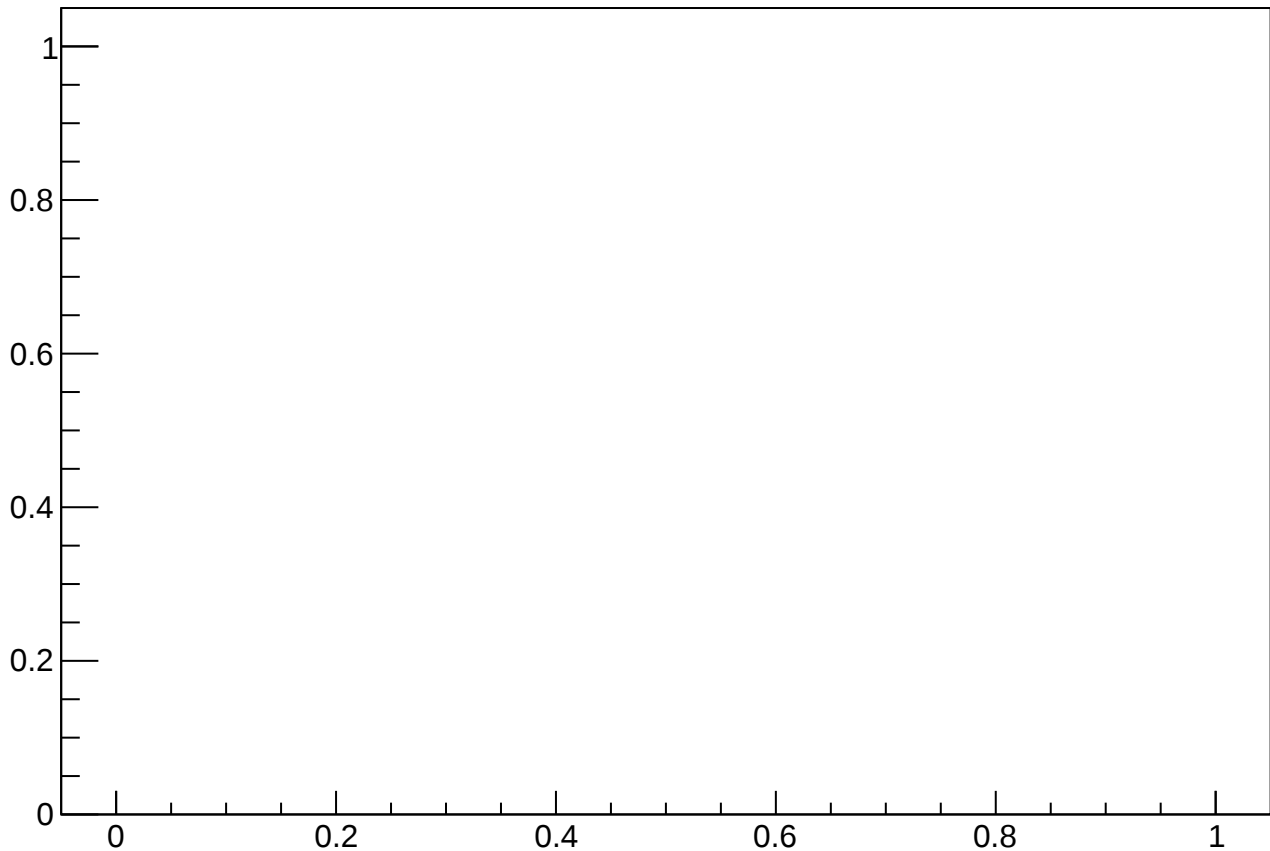
Right: 202.182 $\pm$ 0.040 χ^2/NDF : 1644129.7/35

In: 210.473 $\pm$ 0.033 χ^2/NDF :1677788.9/35

Out: 217.591 $\pm$ 0.033 χ^2/NDF :1964756.9/39

All: 214.043 $\pm$ 0.024 χ^2/NDF : 3665430.3/75

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

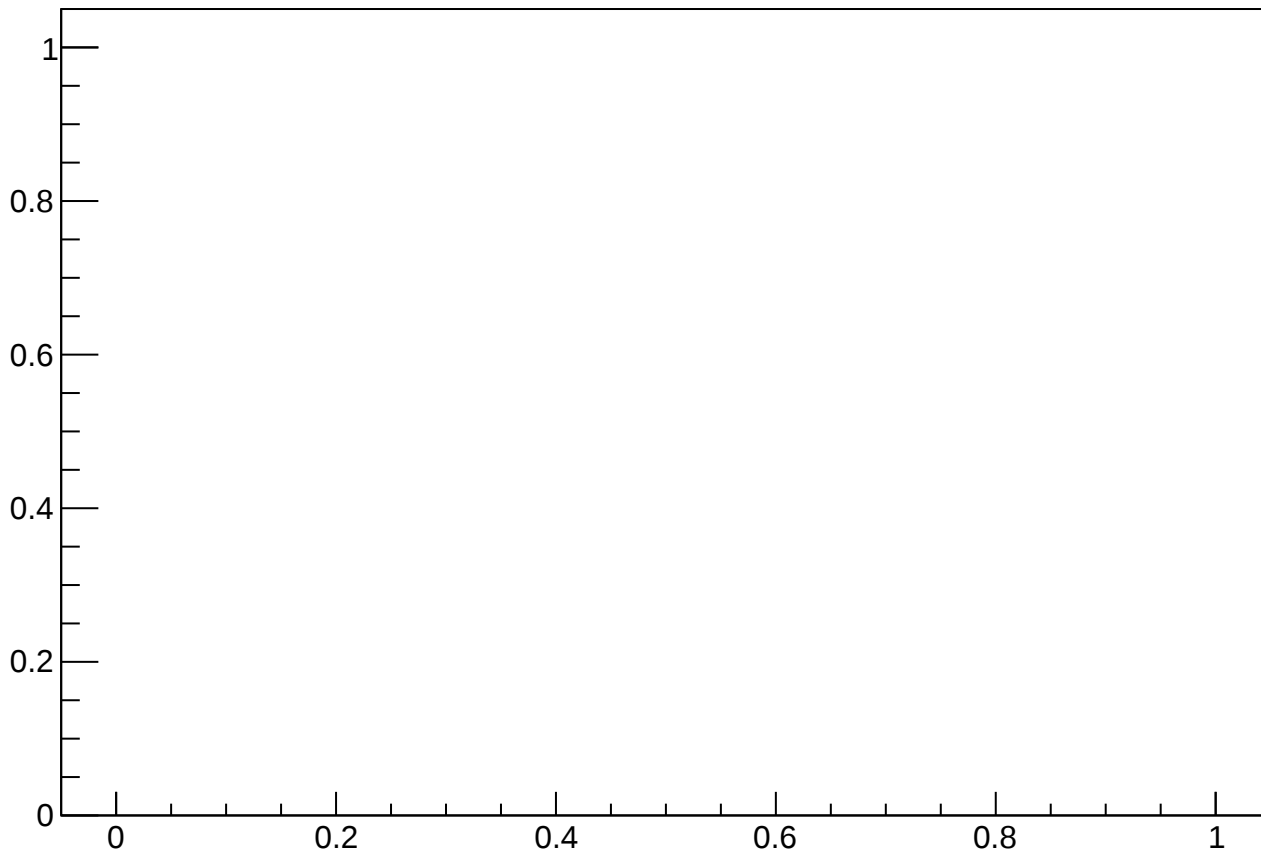
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

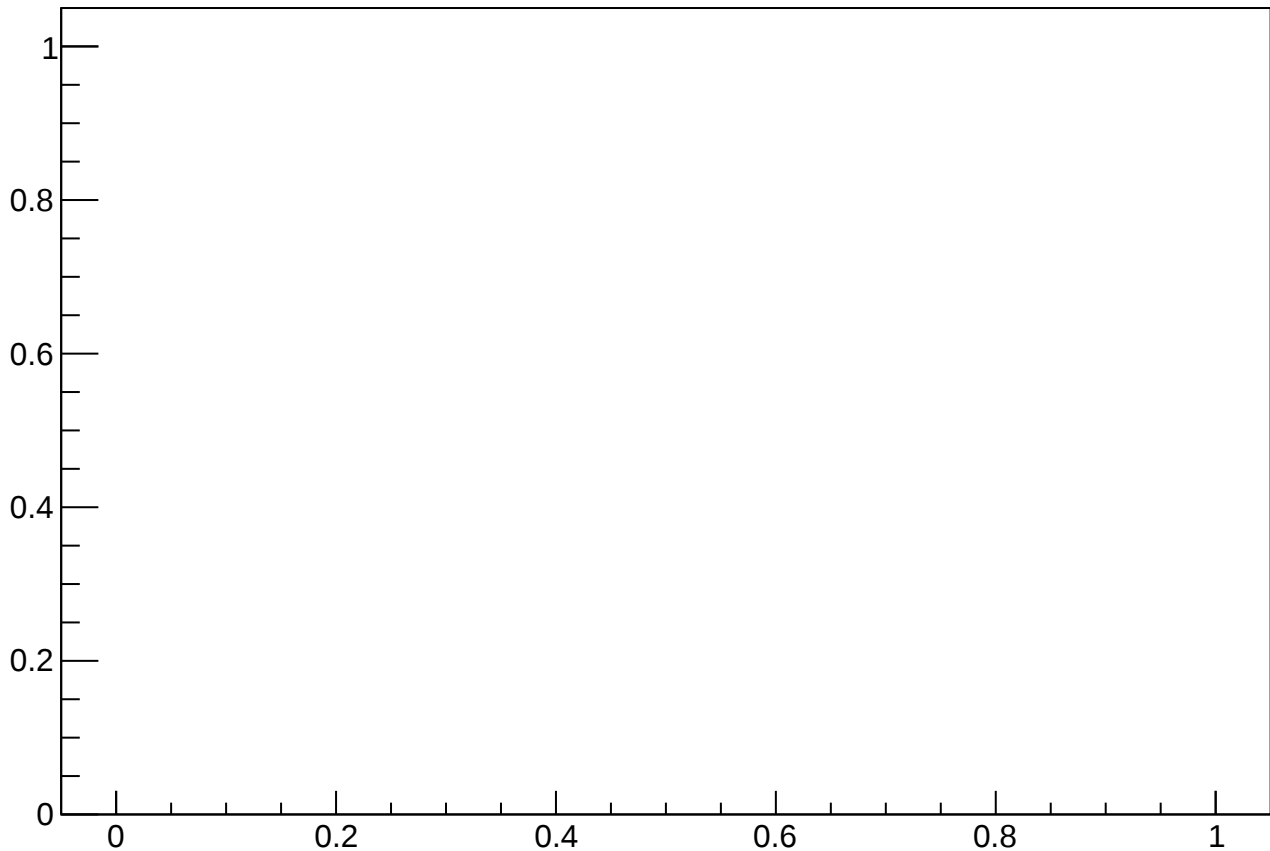
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

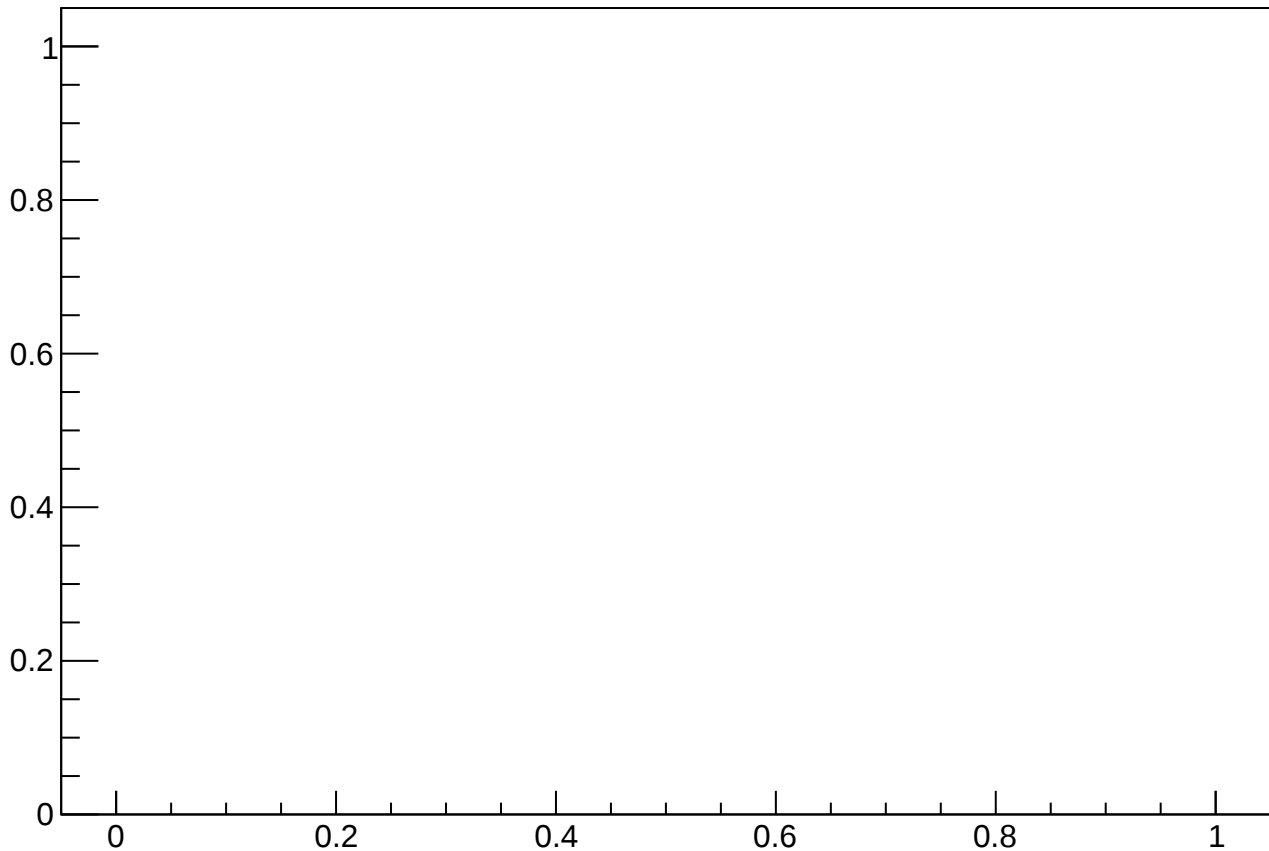
bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

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

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

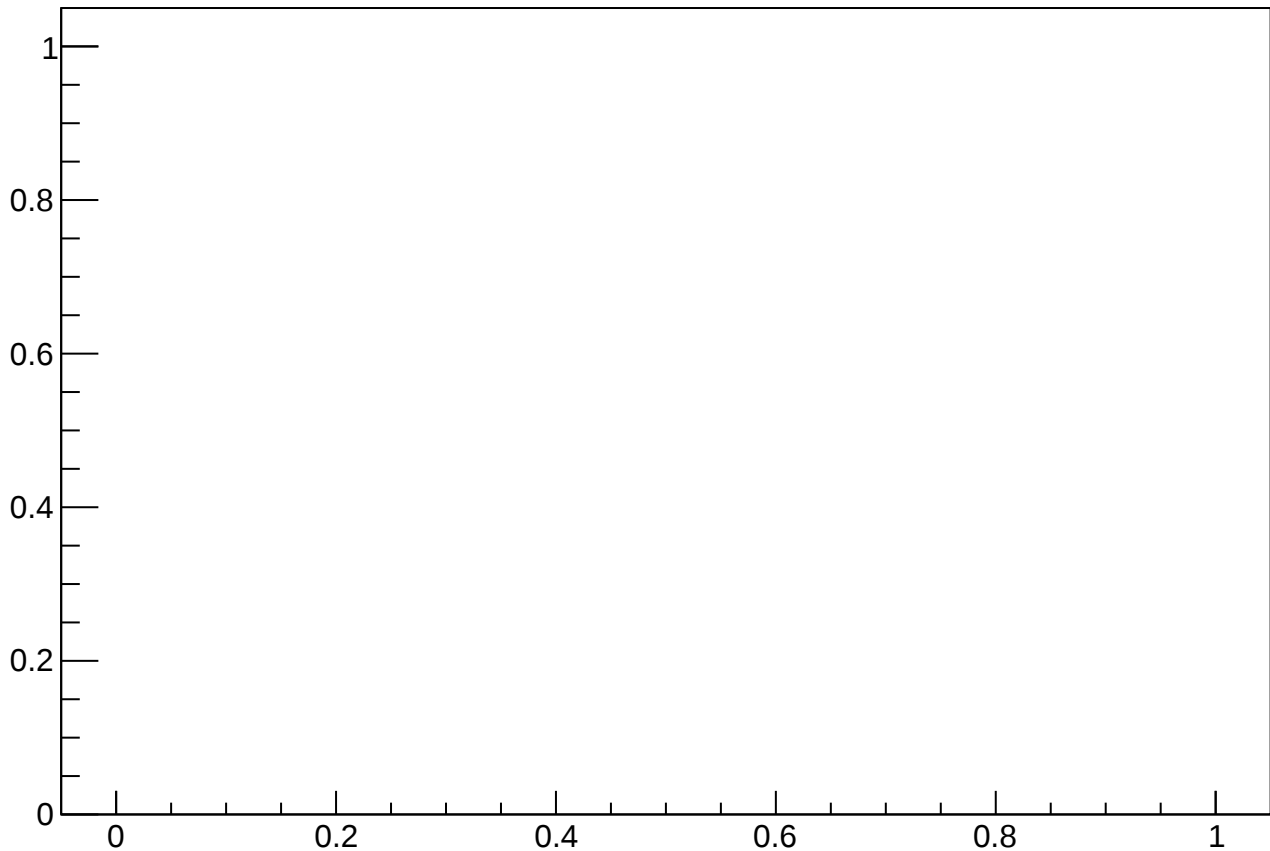
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

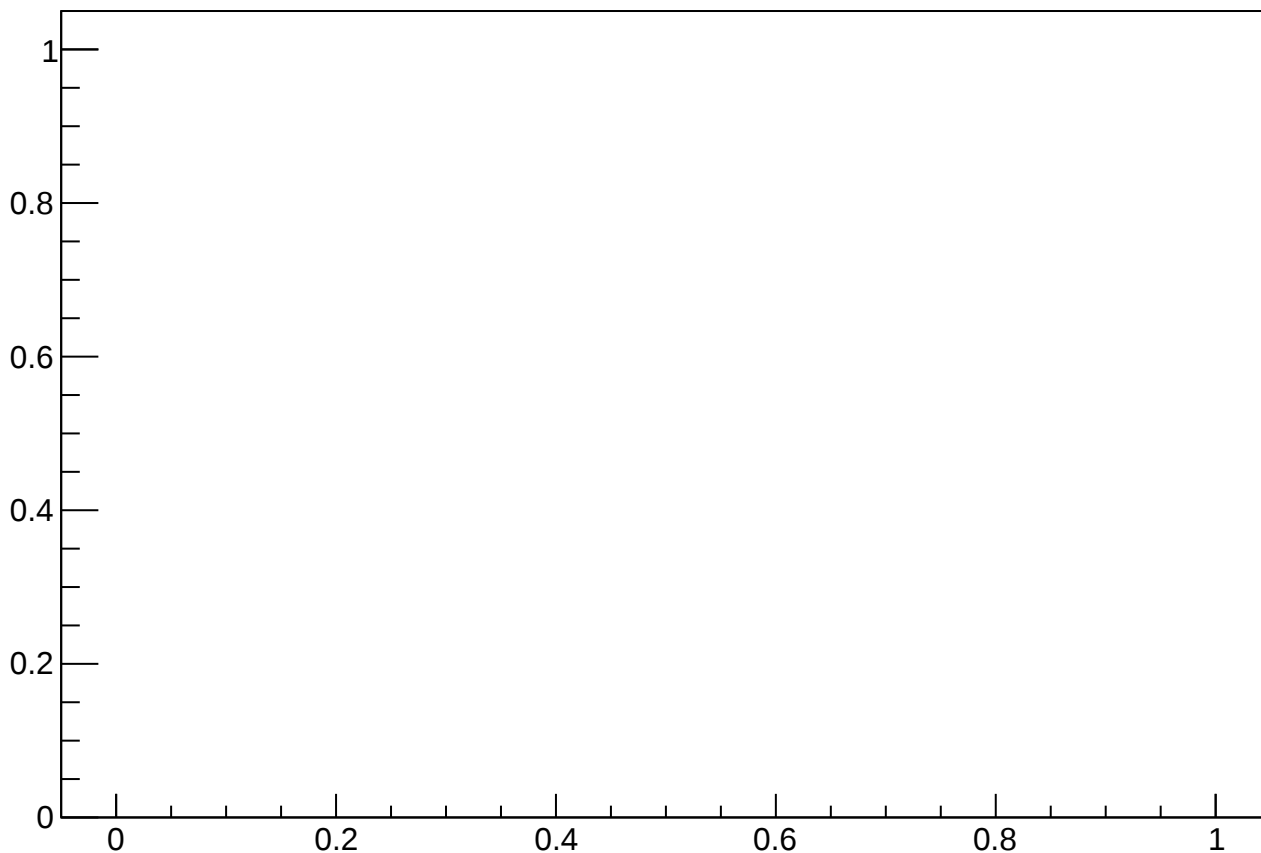
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

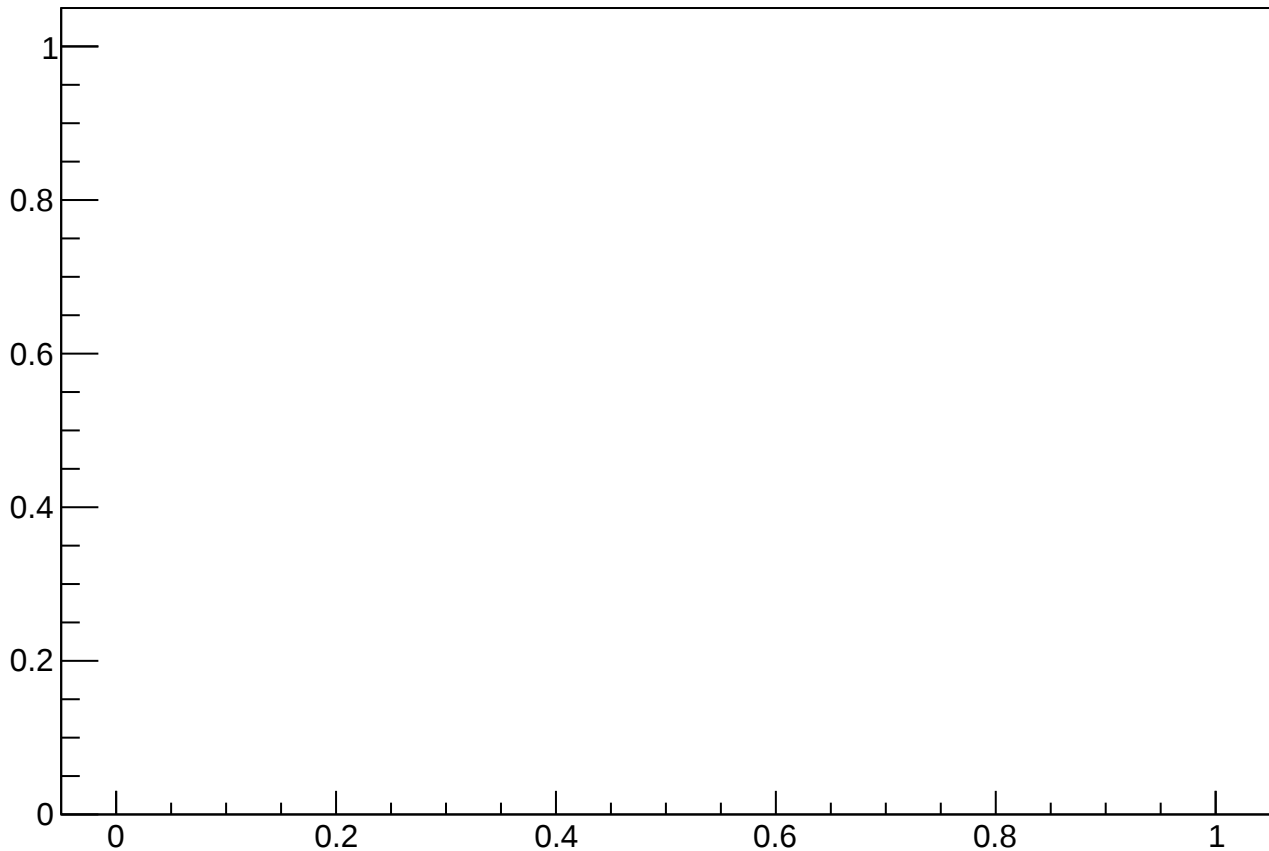
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

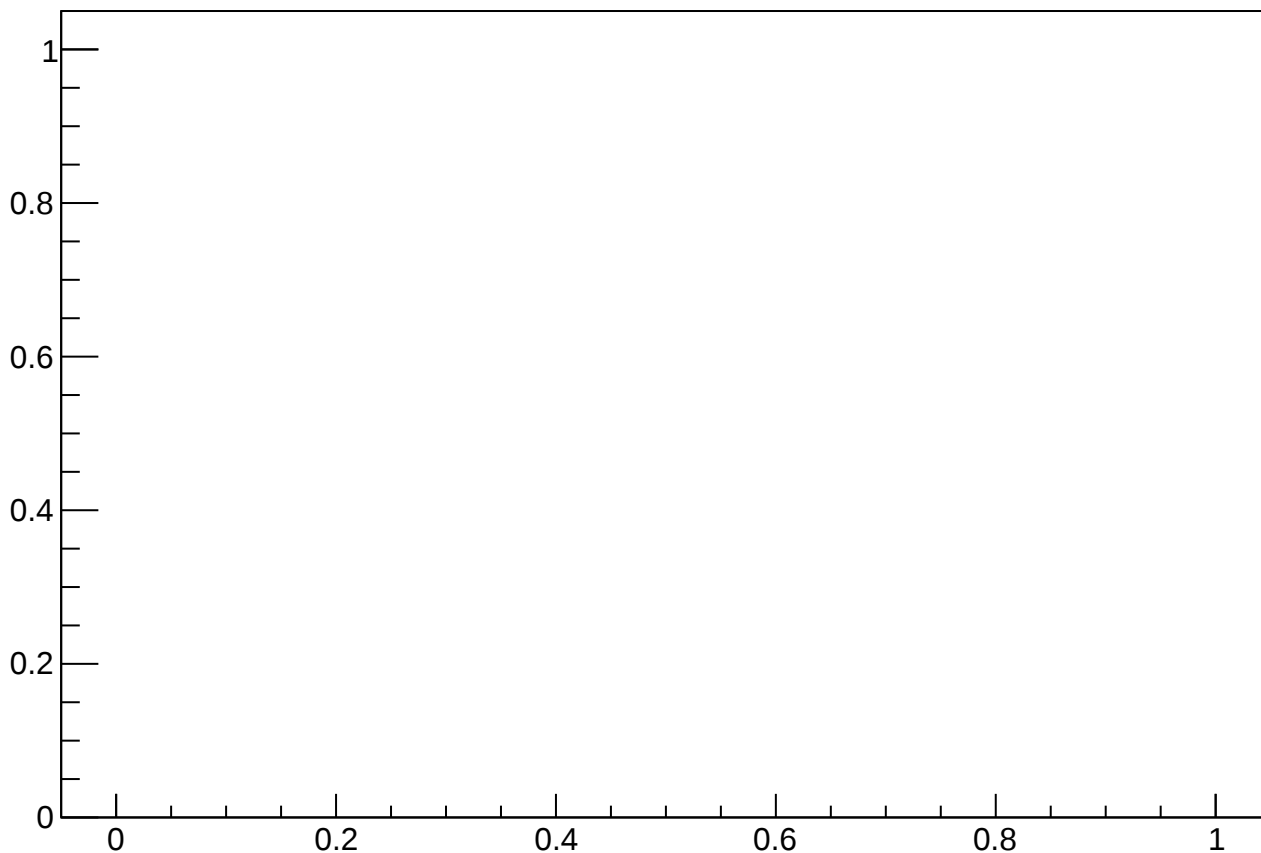
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

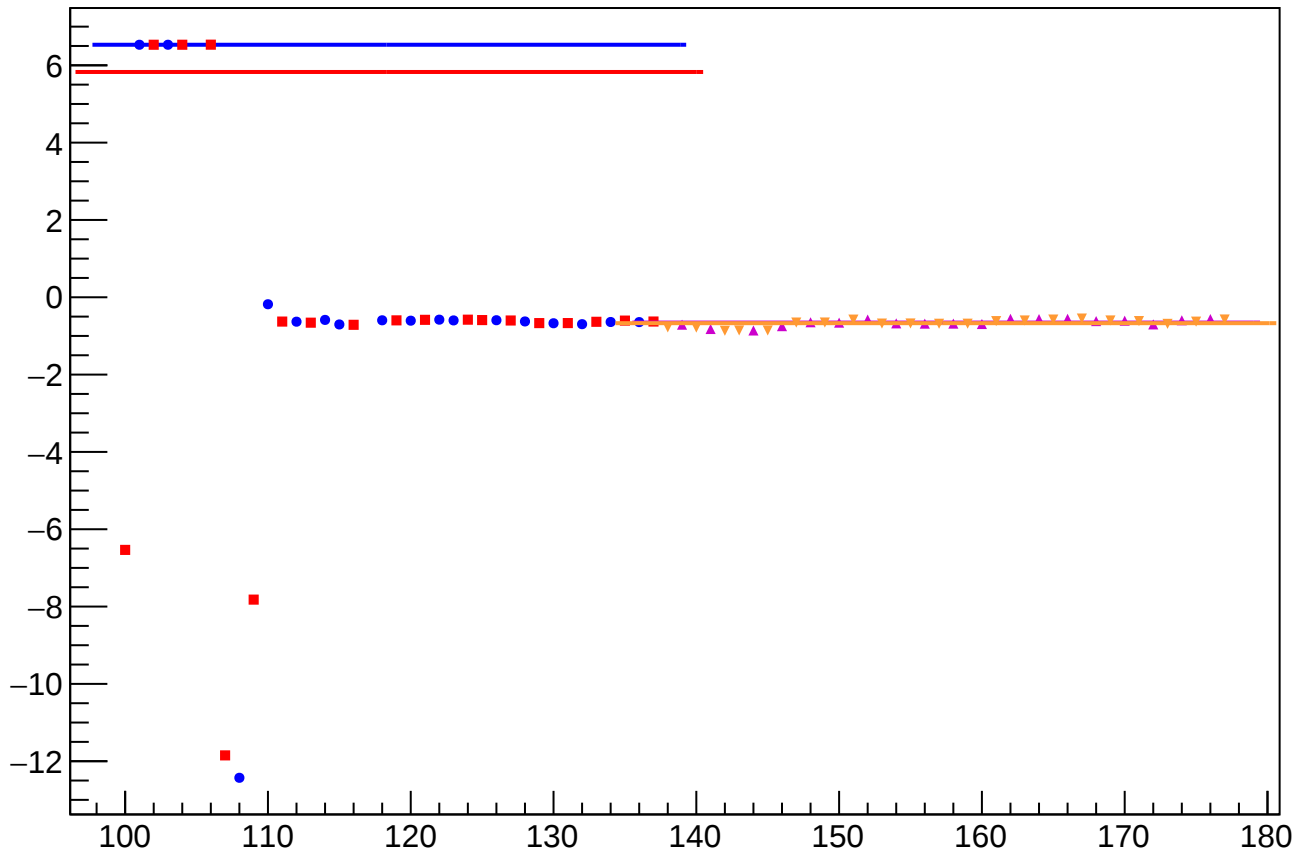
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

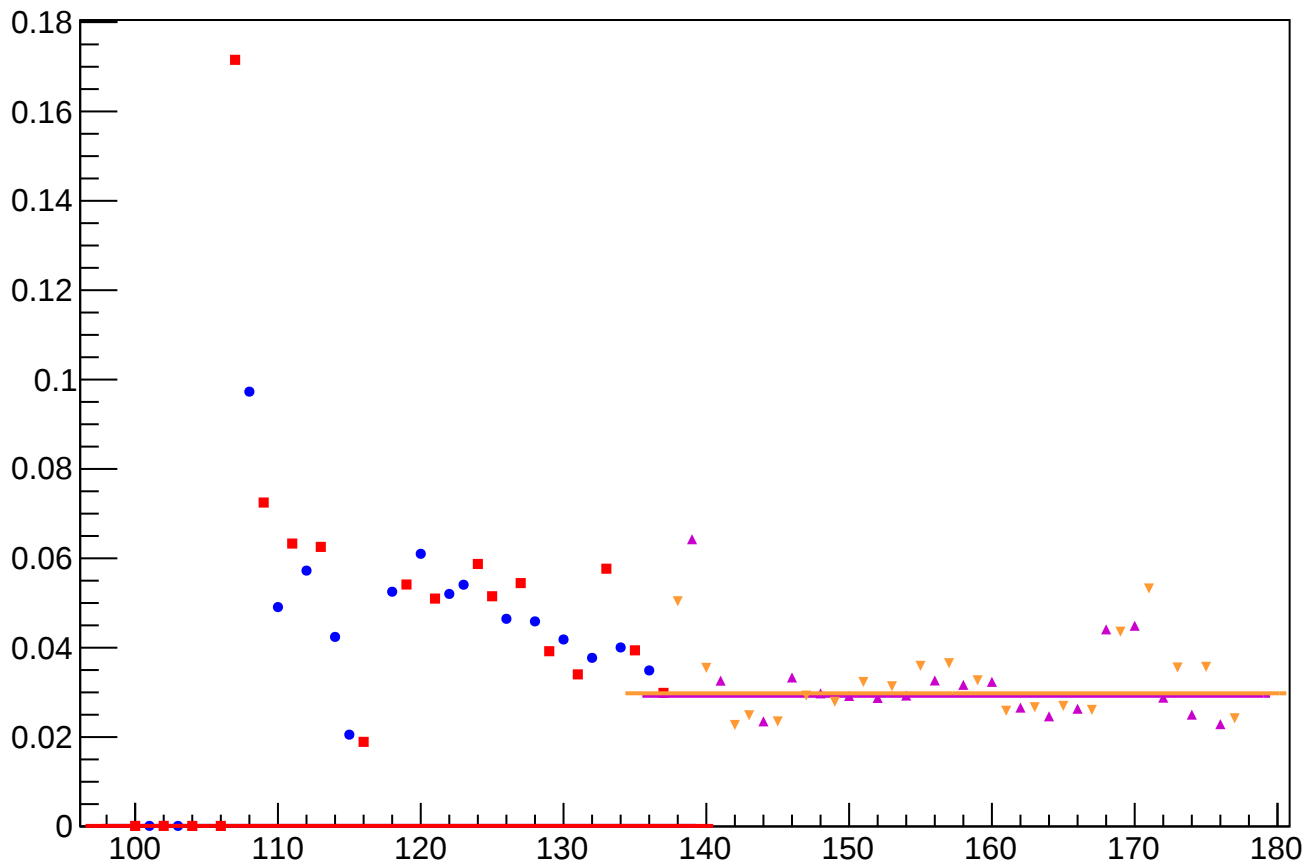
All: 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000	χ^2/NDF : 127219747629.7/16	Left: -0.662+/-0.000	χ^2/NDF : 253621767.0/39
Left Out: -0.670+/-0.000	χ^2/NDF : 139521568.9/20	Right: 6.155+/-0.000	χ^2/NDF : 776094576922584.5
Right Out: 5.827+/-0.000	χ^2/NDF : 755963218053643.4/18	In: 6.530+/-0.000	χ^2/NDF : 822924968619.5/35
Left In: -0.654+/-0.000	χ^2/NDF : 112351677.7/18	Out: 5.826+/-0.000	χ^2/NDF : 756550890417470.4/3
		All: 6.154+/-0.000	χ^2/NDF : 77736759195046

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF :1135244.3/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

Left In: 0.029+/-0.000 χ^2/NDF :1059078.1/18

Left: 0.030+/-0.000 χ^2/NDF : 2198566.6/39

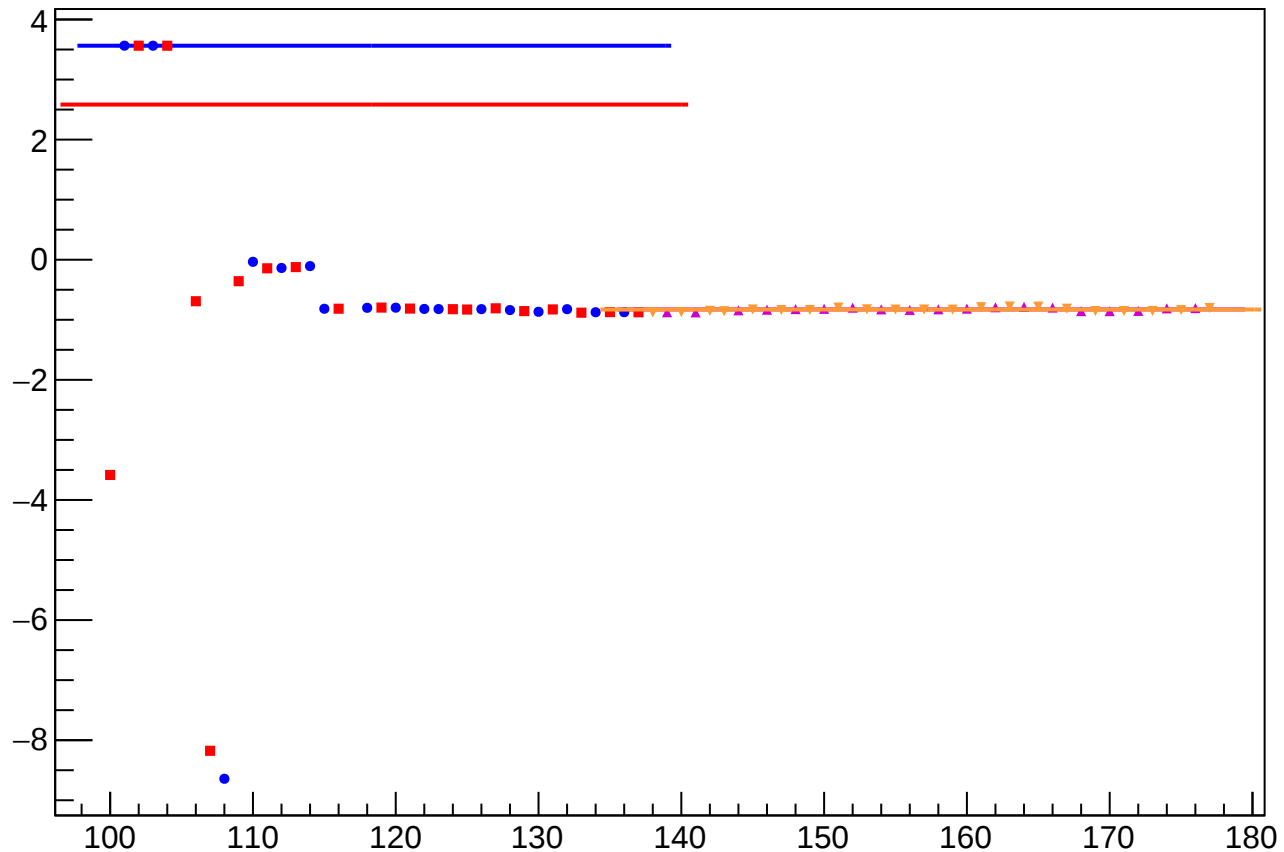
Right: 0.000+/-0.000 χ^2/NDF : 18237948.0/35

In: 0.000+/-0.000 χ^2/NDF :32785332.6/35

Out: 0.000+/-0.000 χ^2/NDF :34991730.1/39

All: 0.000+/-0.000 χ^2/NDF : 67777450.1/75

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.829+/-0.000 χ^2/NDF : 155402423.8/20

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.828+/-0.000 χ^2/NDF : 132303718.0/18

Left: -0.828+/-0.000 χ^2/NDF : 287793402.8/39

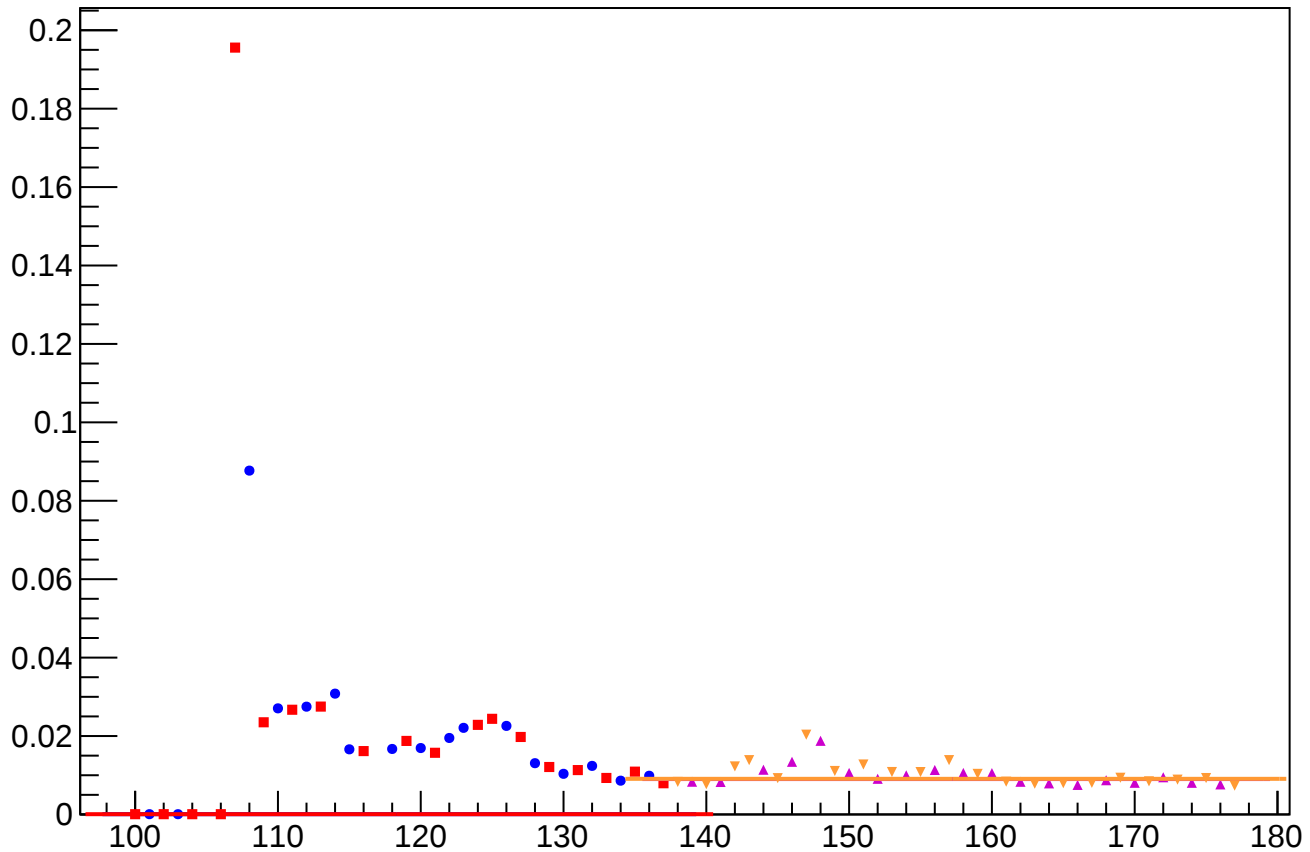
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.5

In: 3.561+/-0.000 χ^2/NDF : 3369381652938.1/35

Out: 2.582+/-0.000 χ^2/NDF : 1255336553152973.5

All: 3.038+/-0.000 χ^2/NDF : 13868542337000

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 :1173602.4/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

Left In: 0.009+/-0.000 χ^2/NDF :869412.7/18

Left: 0.009+/-0.000 χ^2/NDF : 2043528.1/39

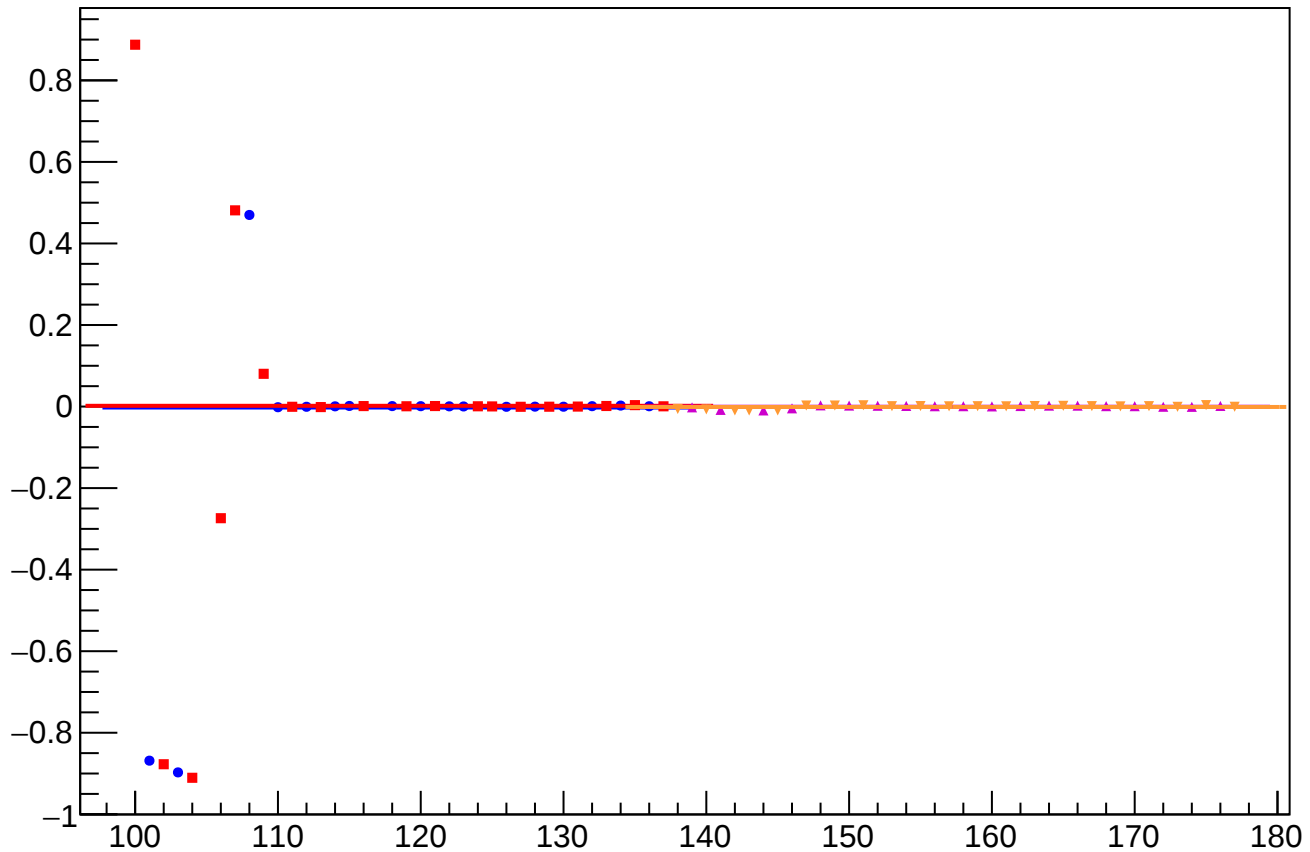
Right: 0.000+/-0.000 χ^2/NDF : 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF :34633713.5/35

Out: 0.000+/-0.000 χ^2/NDF :36658470.7/39

All: 0.000+/-0.000 χ^2/NDF : 71292718.6/75

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.001+/-0.000 χ^2/NDF : 101989359.7/20

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

Left In: -0.000+/-0.000 χ^2/NDF : 68778131.2/18

Left: -0.001+/-0.000 χ^2/NDF : 171619900.7/39

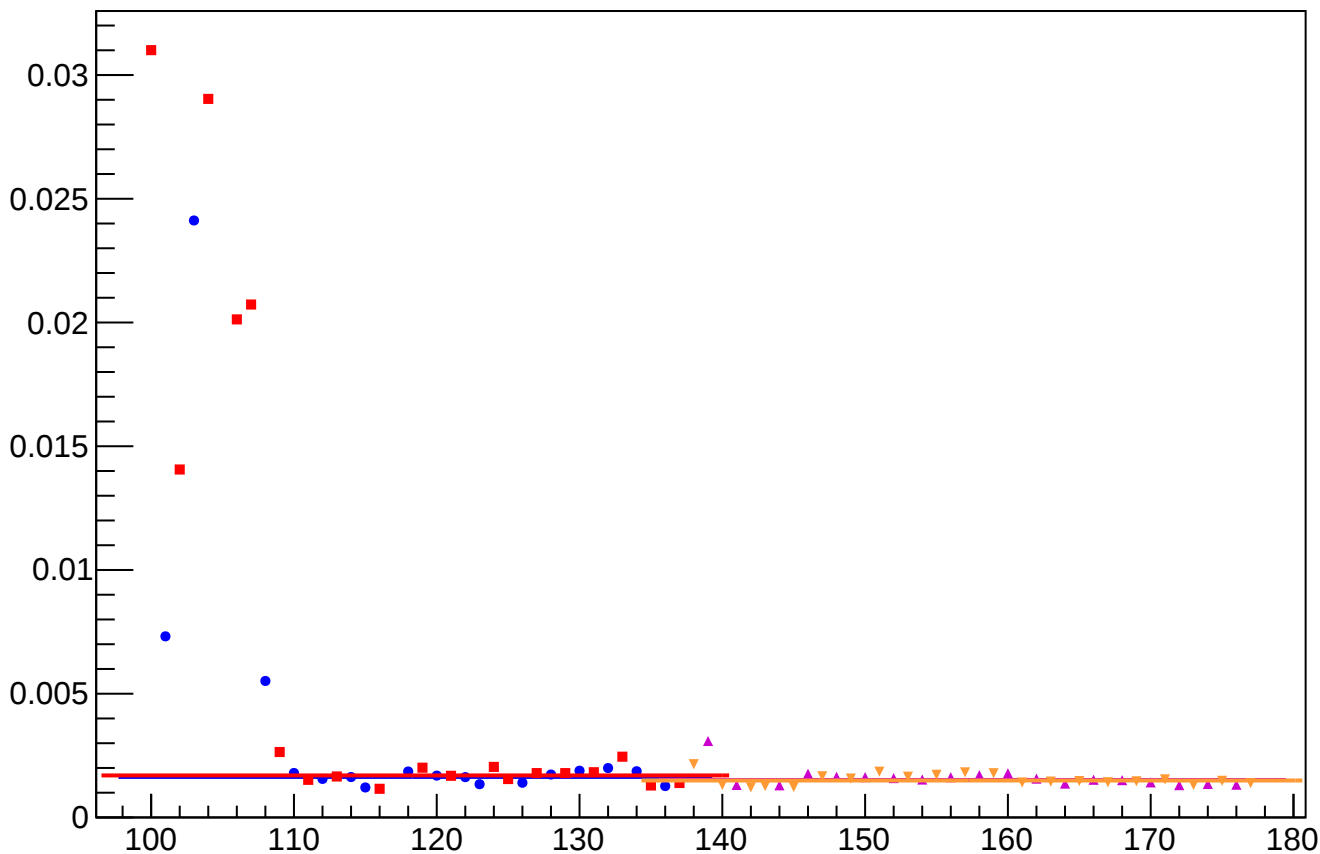
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF : 9868241621.6/35

Out: -0.000+/-0.000 χ^2/NDF : 3153205520.3/39

All: -0.001+/-0.000 χ^2/NDF : 13022376290.8/84

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:463700.4/20

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:629574.5/18

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 1095569.9/39

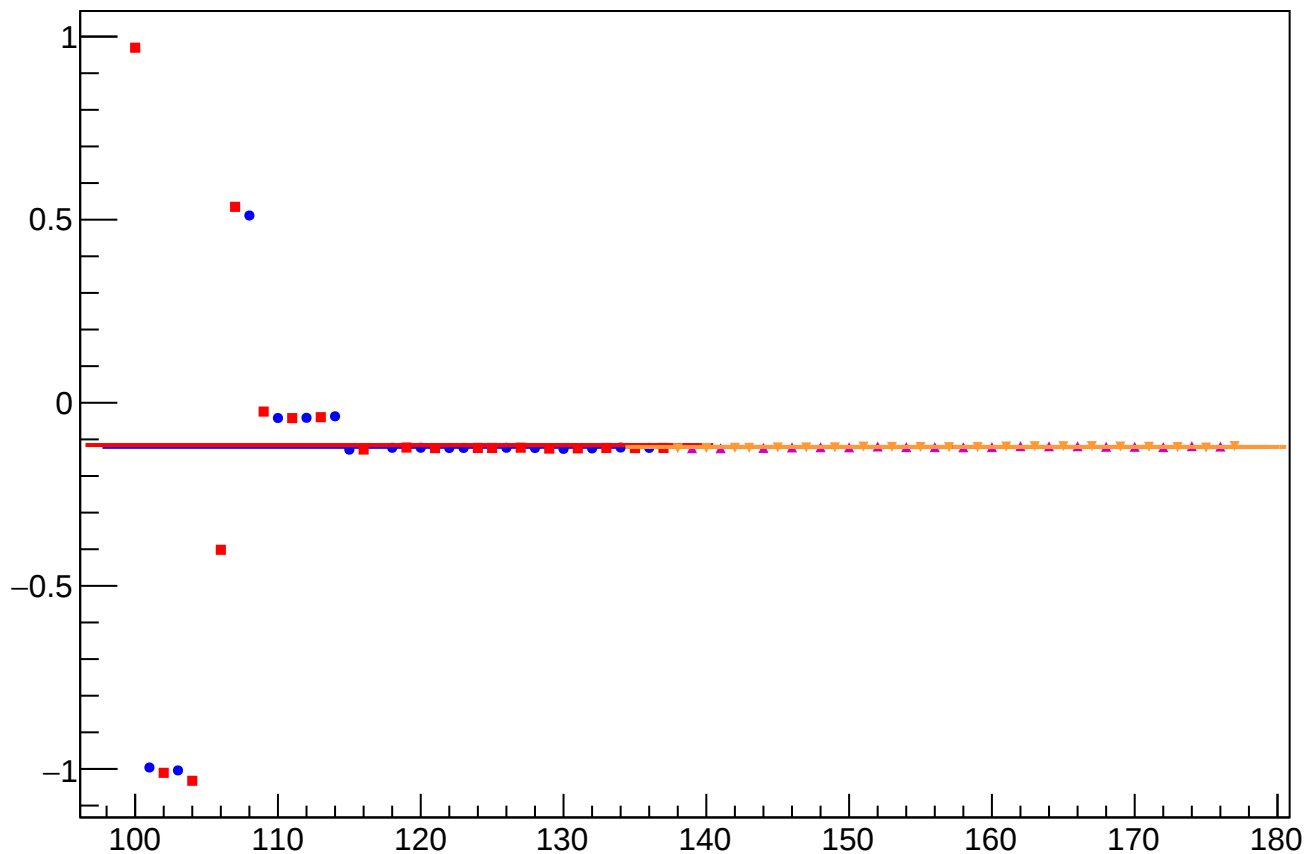
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4945998.5/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF:2584486.6/35

Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3588769.5/39

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6173619.2/75

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 : 41970369.6/20

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

Left In: -0.121+/-0.000 χ^2/NDF : 34886922.8/18

Left: -0.121+/-0.000 χ^2/NDF : 76937456.1/39

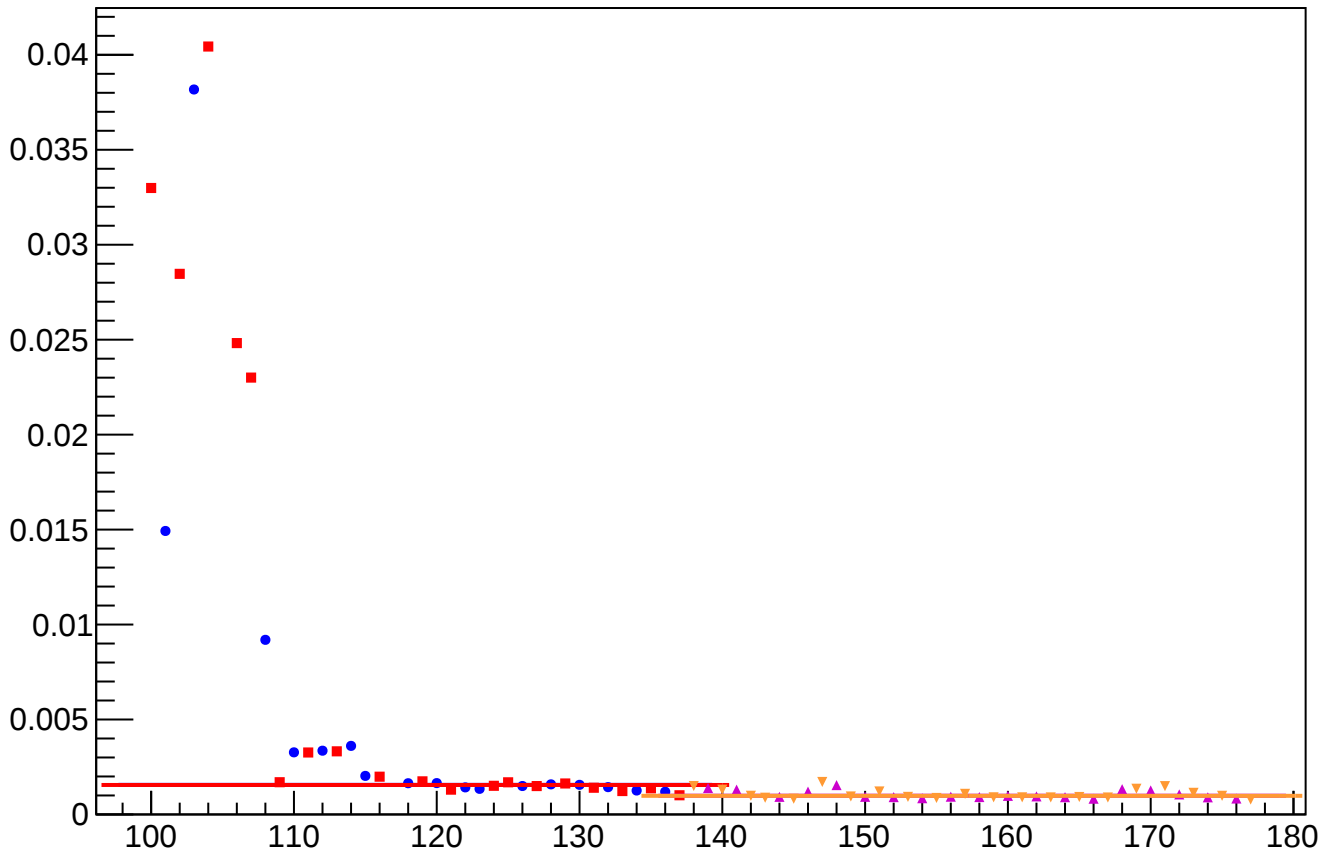
Right: -0.118+/-0.000 χ^2/NDF : 6411653427.4/35

In: -0.121+/-0.000 χ^2/NDF : 3967162192.5/35

Out: -0.120+/-0.000 χ^2/NDF : 2545857045.3/39

All: -0.120+/-0.000 χ^2/NDF : 6514688902.8/7

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 :1137606.2/20

Right Out: 0.002+/-0.000 χ^2/NDF : 3539455.6/18

Left In: 0.001+/-0.000 χ^2/NDF :800175.4/18

Left: 0.001+/-0.000 χ^2/NDF : 1938203.8/39

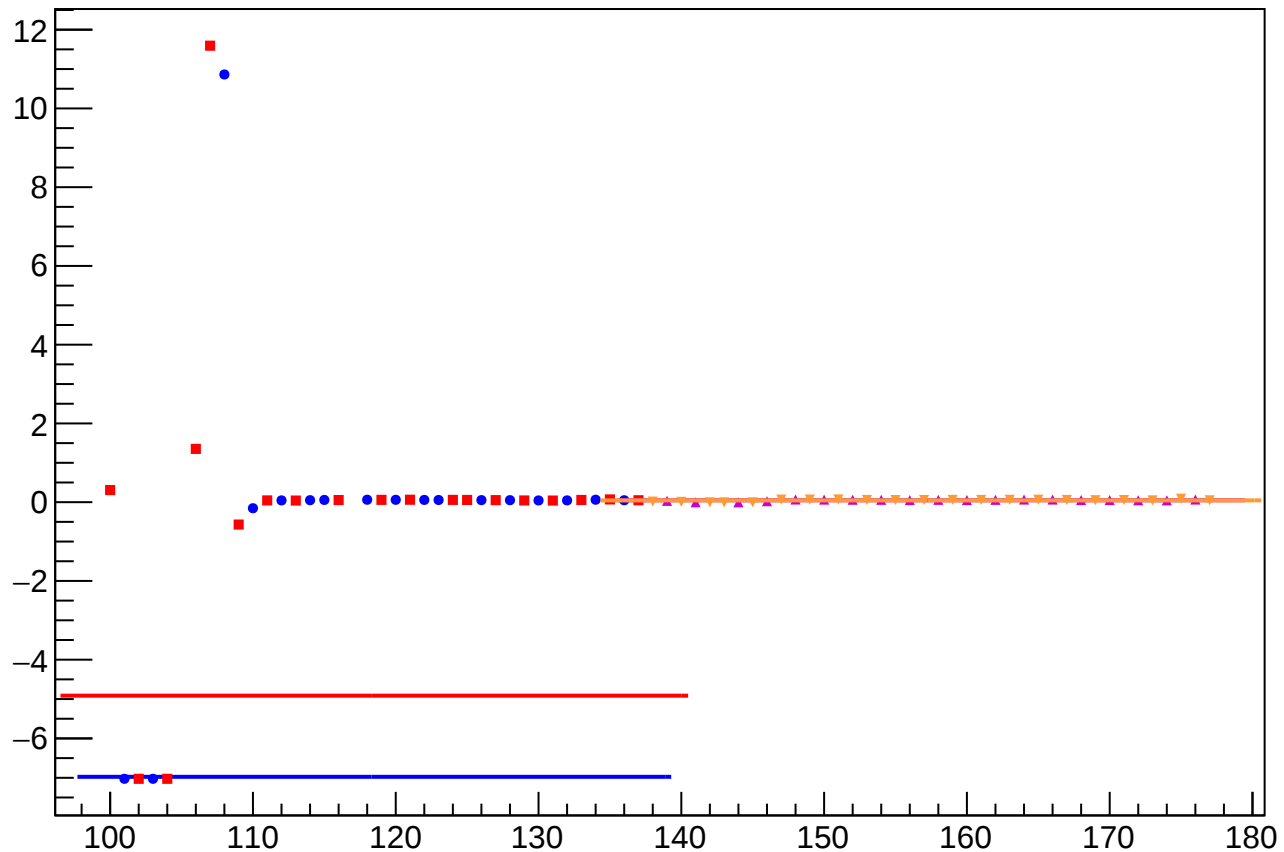
Right: 0.002+/-0.000 χ^2/NDF : 6440590.7/35

In: 0.001+/-0.000 χ^2/NDF :4778080.6/35

Out: 0.001+/-0.000 χ^2/NDF :5772791.0/39

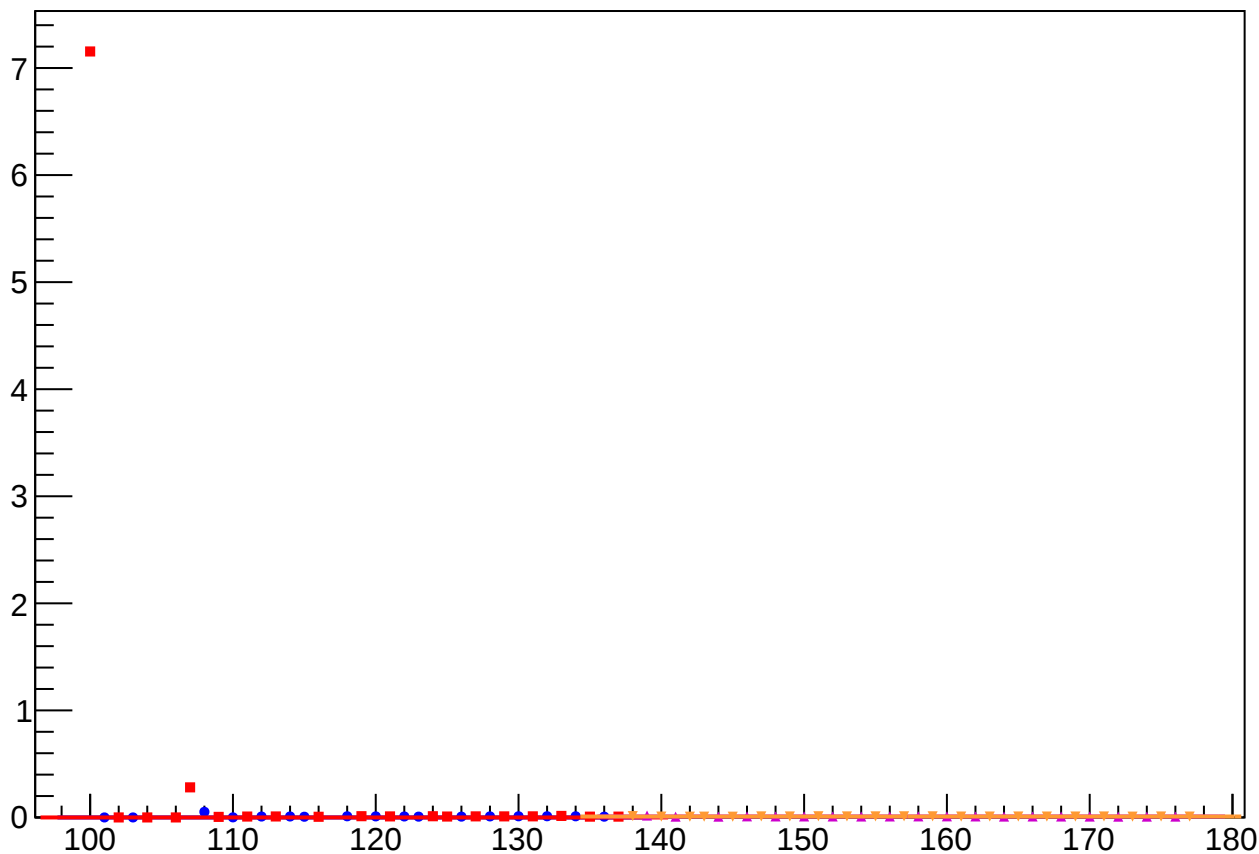
All: 0.001+/-0.000 χ^2/NDF : 10552282.2/75

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8749579700722.8/16$ Left: 0.047 ± 0.000 $\chi^2/\text{NDF}: 191402755.1/39$
 Left Out: 0.046 ± 0.000 $\chi^2/\text{NDF}: 112680970.8/20$ 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: -6.934 ± 0.000 $\chi^2/\text{NDF}: 16039074752172.7/35$
 Left In: 0.048 ± 0.000 $\chi^2/\text{NDF}: 78148153.9/18$ Out: -4.885 ± 0.000 $\chi^2/\text{NDF}: 369362716172444.4/18$
 All: -5.865 ± 0.000 $\chi^2/\text{NDF}: 4412912507643.0/18$

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 : 461519.4/20

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF : 625011.5/18

Left: 0.009+/-0.000 χ^2/NDF : 1088752.6/39

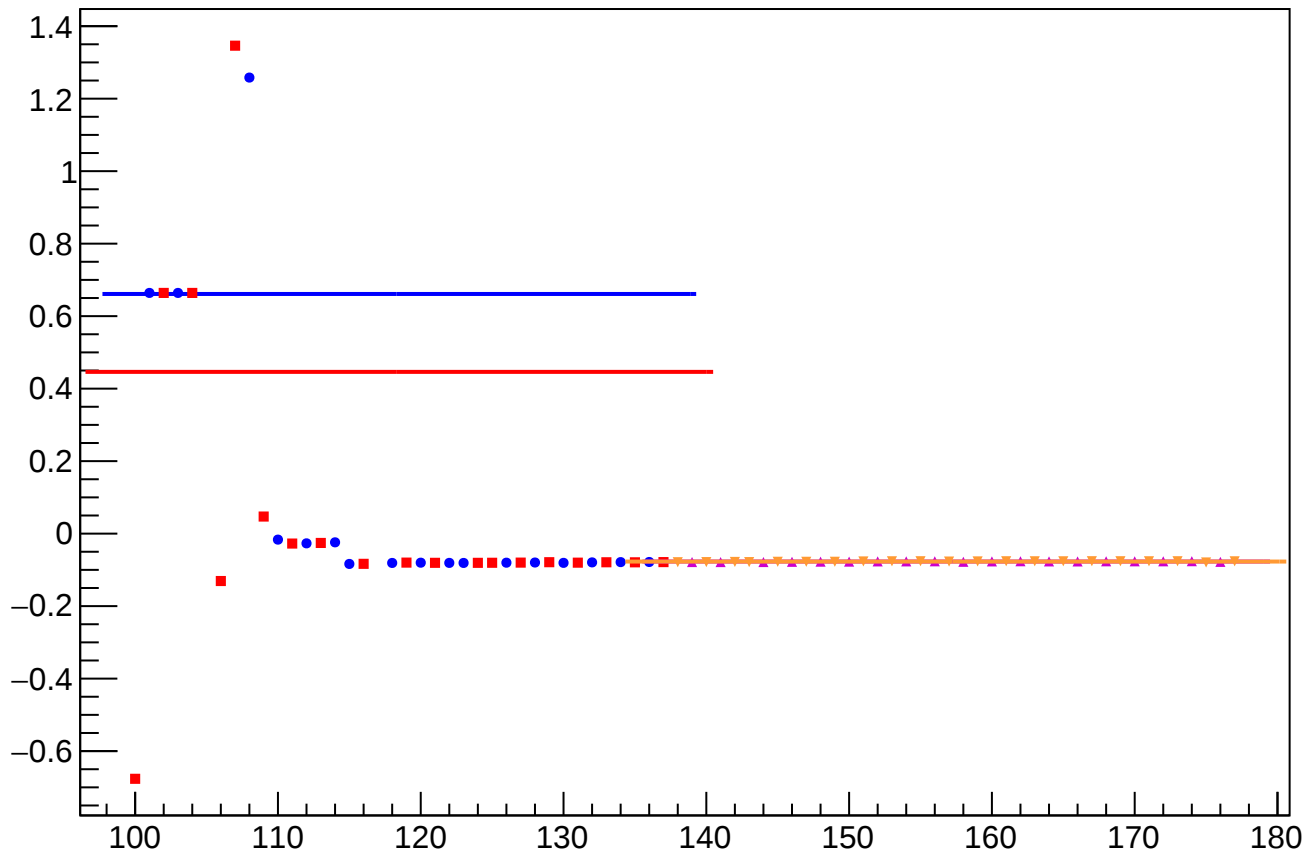
Right: 0.000+/-0.000 χ^2/NDF : 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF : 31538921.9/35

Out: 0.000+/-0.000 χ^2/NDF : 33557714.0/39

All: 0.000+/-0.000 χ^2/NDF : 65096954.0/75

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 : 81370222.0/39

Left Out: -0.077+/-0.000

χ^2/NDF : 52437217.0/20

Right: 0.549+/-0.000

χ^2/NDF : 473947475230218.3

Right Out: 0.446+/-0.000

χ^2/NDF : 405416924315199.0/18

In: 0.649+/-0.000

χ^2/NDF : 29502375315412.9/35

Out: 0.438+/-0.000

χ^2/NDF : 418417137369393.6/3

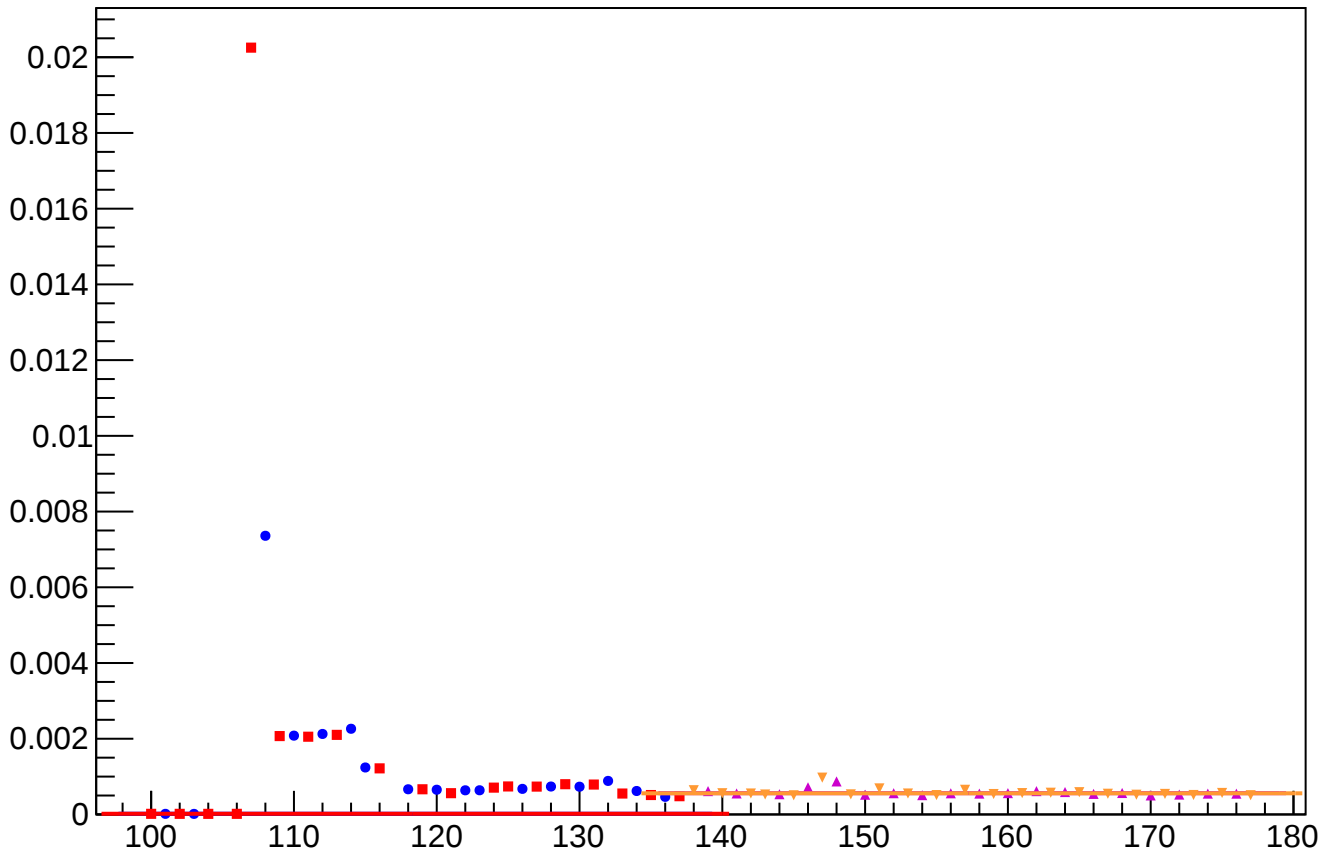
Left In: -0.077+/-0.000

χ^2/NDF : 28892196.8/18

All: 0.538+/-0.000

χ^2/NDF : 50972211630668

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 : 455561.2/20

Right Out: 0.000+/-0.000

χ^2/NDF : 9480848.1/18

Left In: 0.001+/-0.000

χ^2/NDF : 353184.4/18

Left: 0.001+/-0.000

χ^2/NDF : 809411.7/39

Right: 0.000+/-0.000

χ^2/NDF : 19354868.6/35

In: 0.000+/-0.000

χ^2/NDF : 36173081.1/35

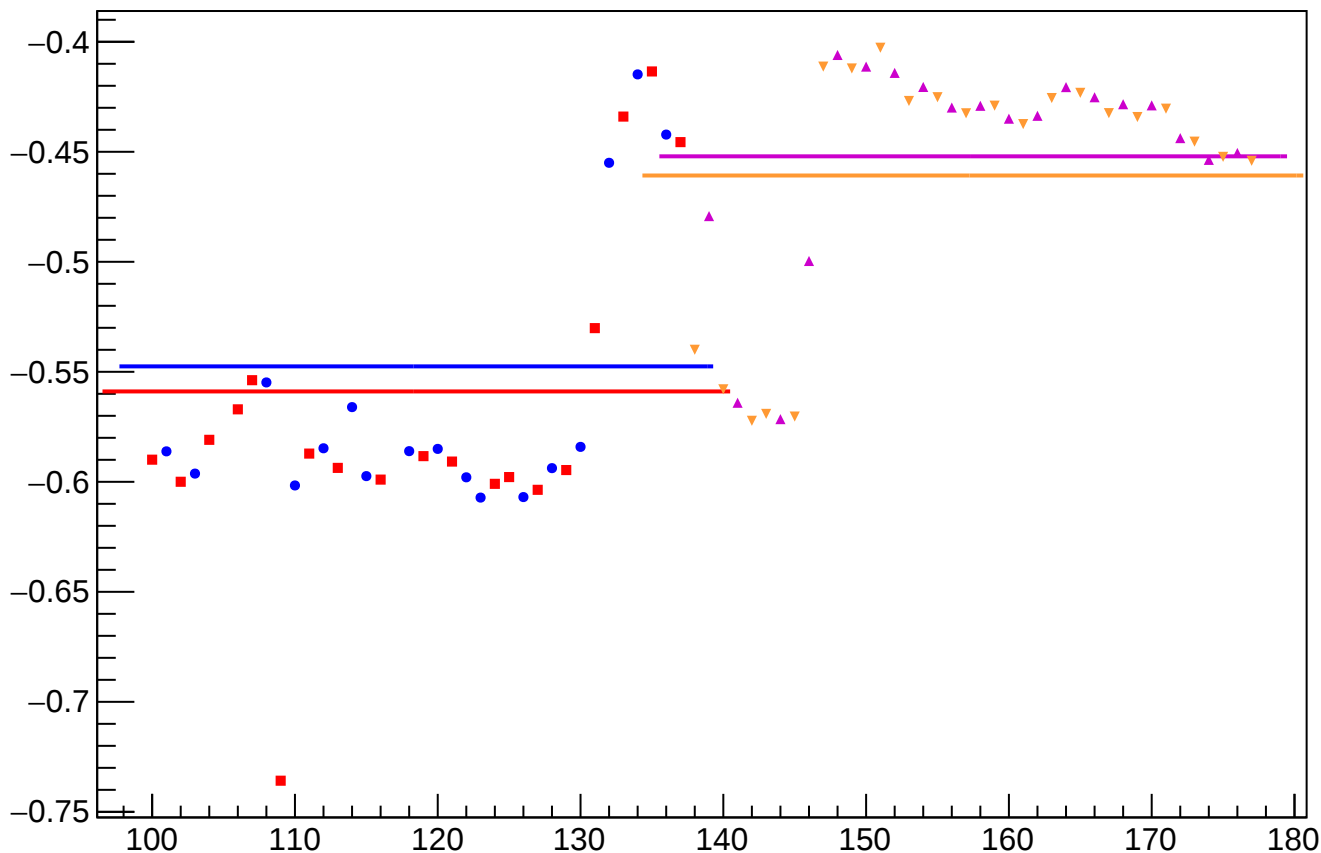
Out: 0.000+/-0.000

χ^2/NDF : 37640673.9/39

All: 0.000+/-0.000

χ^2/NDF : 73813884.8/75

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548 $\pm$ 0.000 χ^2 /NDF: 48545285.9/16

Left Out: -0.461 $\pm$ 0.000 χ^2 /NDF: 106785986.3/20

Right Out: -0.559 $\pm$ 0.000 χ^2 /NDF: 65330923.3/18

Left In: -0.452 $\pm$ 0.000 χ^2 /NDF: 75258619.6/18

Left: -0.457 $\pm$ 0.000 χ^2 /NDF: 183247748.6/39

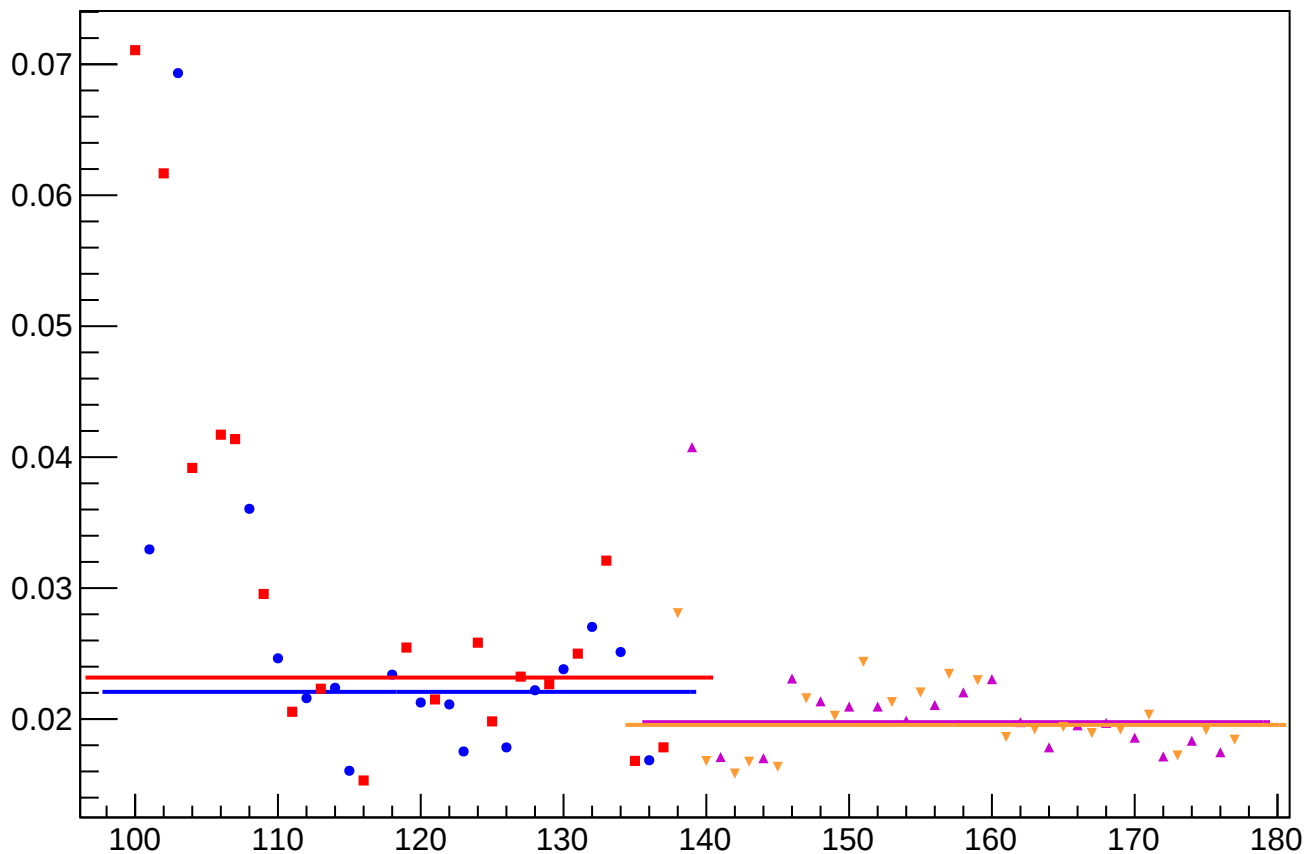
Right: -0.553 $\pm$ 0.000 χ^2 /NDF: 114532950.1/35

In: -0.476 $\pm$ 0.000 χ^2 /NDF: 194121582.4/35

Out: -0.483 $\pm$ 0.000 χ^2 /NDF: 245629376.1/39

All: -0.480 $\pm$ 0.000 χ^2 /NDF: 440770774.3/75

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 954779.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:430051.4/20

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156758.3/18

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:605012.4/18

Left: 0.020 $\pm$ 0.000 χ^2 /NDF: 1036444.7/39

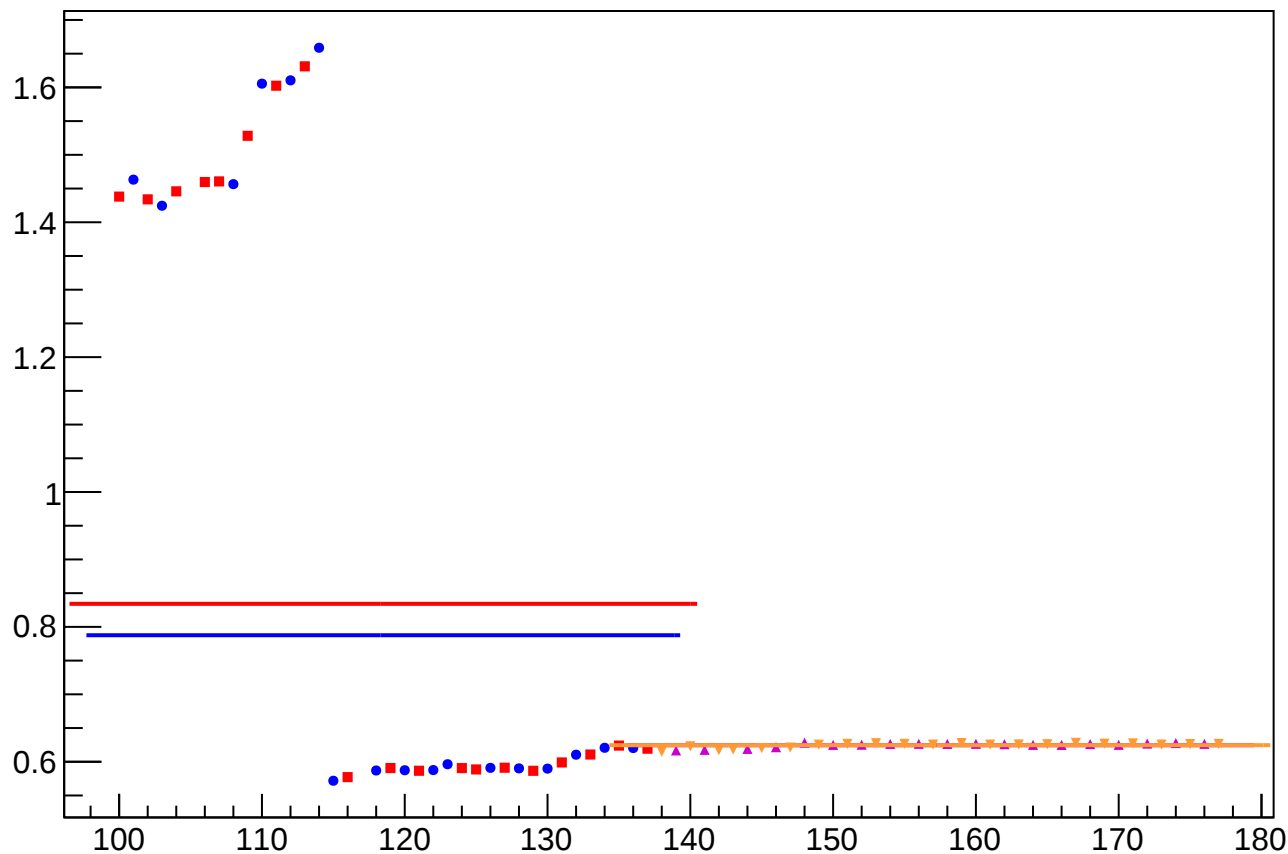
Right: 0.023 $\pm$ 0.000 χ^2 /NDF: 2123609.7/35

In: 0.020 $\pm$ 0.000 χ^2 /NDF:1642427.3/35

Out: 0.020 $\pm$ 0.000 χ^2 /NDF:1786273.7/39

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3428747.9/75

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.625+/-0.000 χ^2/NDF :1281329.9/20

Right Out: 0.834+/-0.000 χ^2/NDF : 4152115639.4/18

Left In: 0.624+/-0.000 χ^2/NDF :1049770.3/18

Left: 0.625+/-0.000 χ^2/NDF : 2331528.4/39

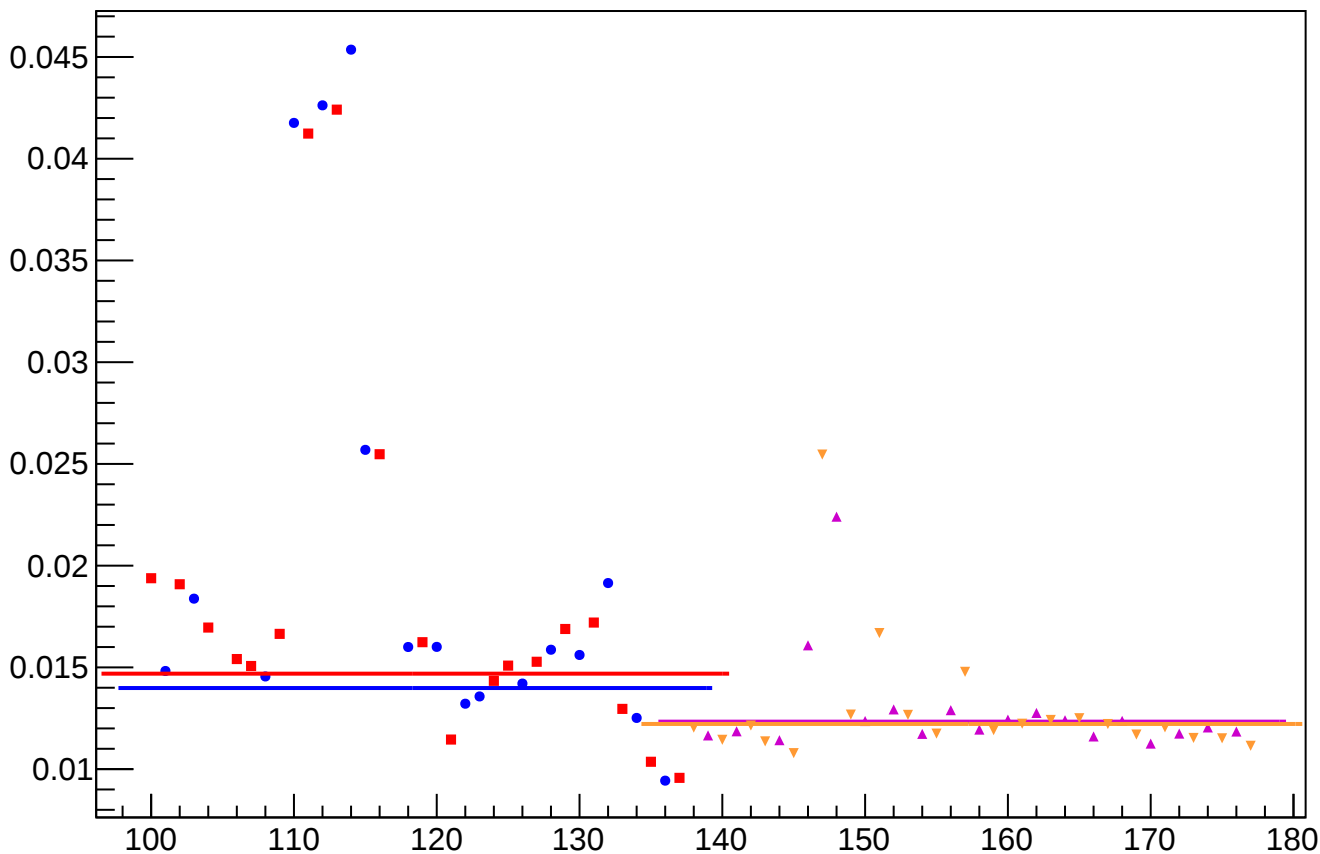
Right: 0.811+/-0.000 χ^2/NDF : 7764167044.9/35

In: 0.663+/-0.000 χ^2/NDF :4166955882.0/35

Out: 0.670+/-0.000 χ^2/NDF :5112390959.2/39

All: 0.666+/-0.000 χ^2/NDF : 9282316819.1/75

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF : 627703.3/20

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

Left In: 0.012+/-0.000 χ^2/NDF : 444084.0/18

Left: 0.012+/-0.000 χ^2/NDF : 1073036.9/39

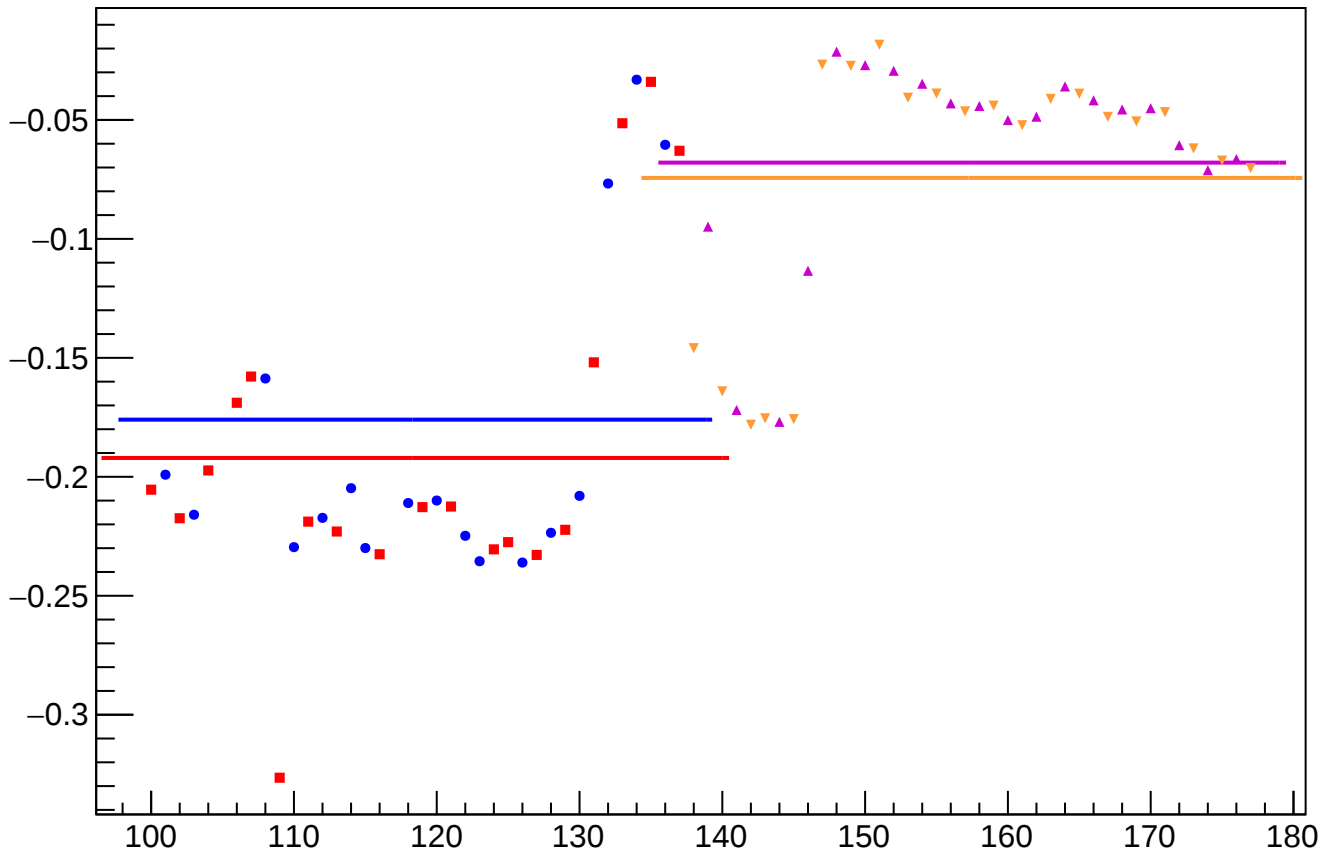
Right: 0.014+/-0.000 χ^2/NDF : 2671110.0/35

In: 0.013+/-0.000 χ^2/NDF : 1962511.3/35

Out: 0.013+/-0.000 χ^2/NDF : 2152934.7/39

All: 0.013+/-0.000 χ^2/NDF : 4115562.7/75

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.074+/-0.000 χ^2/NDF : 101535295.4/20

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

Left In: -0.068+/-0.000 χ^2/NDF : 75641970.5/18

Left: -0.071+/-0.000 χ^2/NDF : 177878363.2/39

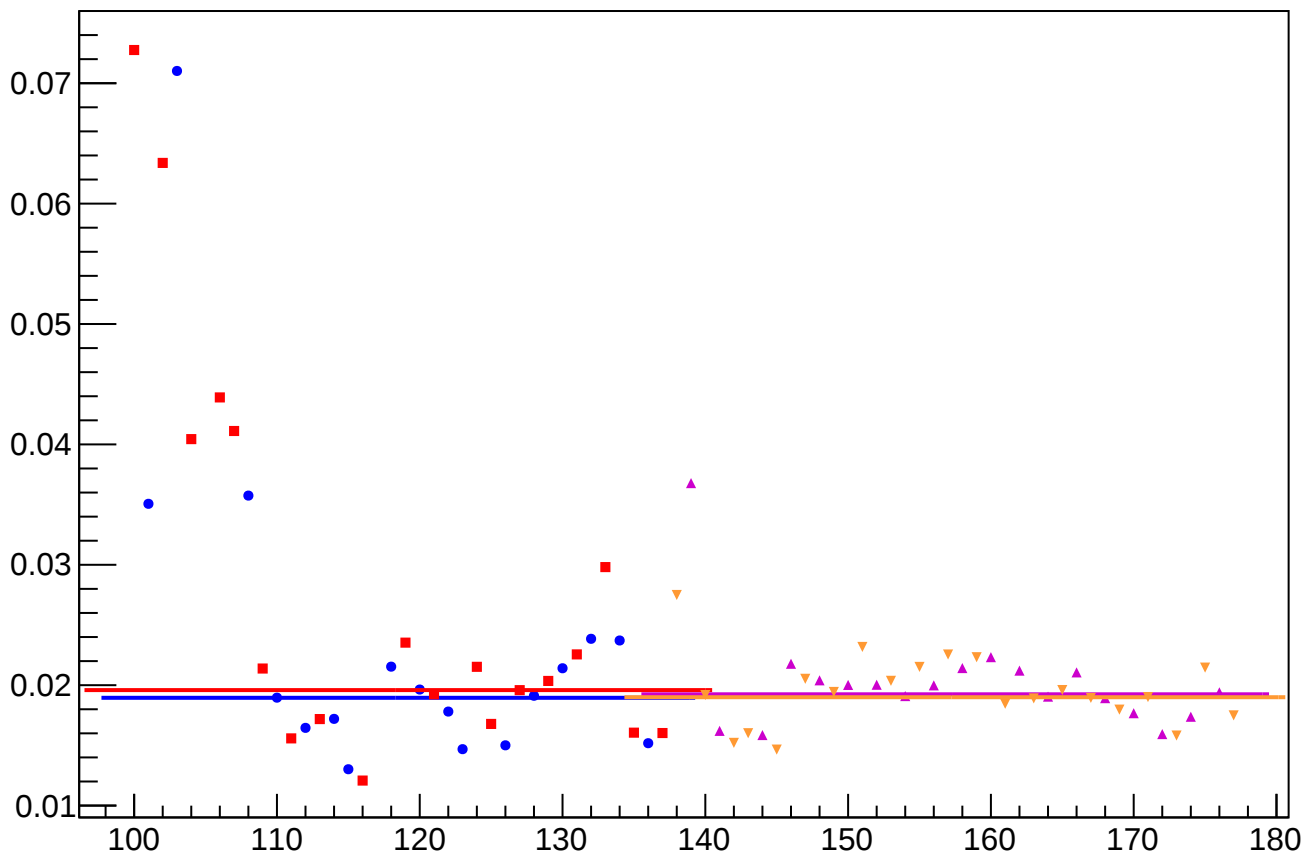
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.100+/-0.000 χ^2/NDF : 258533373.9/35

Out: -0.107+/-0.000 χ^2/NDF : 320370262.5/39

All: -0.104+/-0.000 χ^2/NDF : 579930921.5/75

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 : 505391.5/20

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.019+/-0.000 χ^2/NDF : 588389.5/18

Left: 0.019+/-0.000 χ^2/NDF : 1095780.9/39

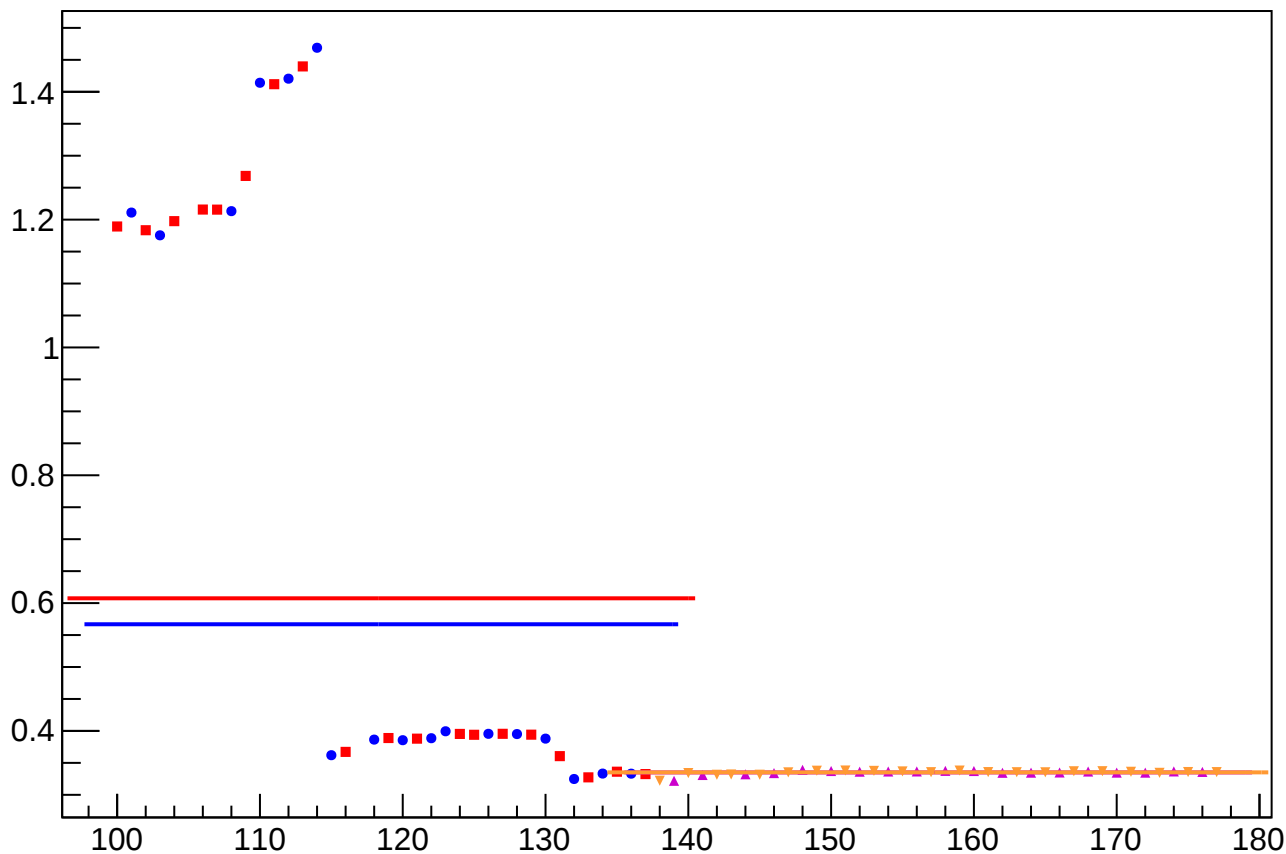
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.019+/-0.000 χ^2/NDF : 1793300.2/35

Out: 0.019+/-0.000 χ^2/NDF : 1967578.7/39

All: 0.019+/-0.000 χ^2/NDF : 3760881.1/75

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:1136853.0/20

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1191216.8/18

Left: 0.335 $\pm$ 0.000 χ^2 /NDF: 2328716.1/39

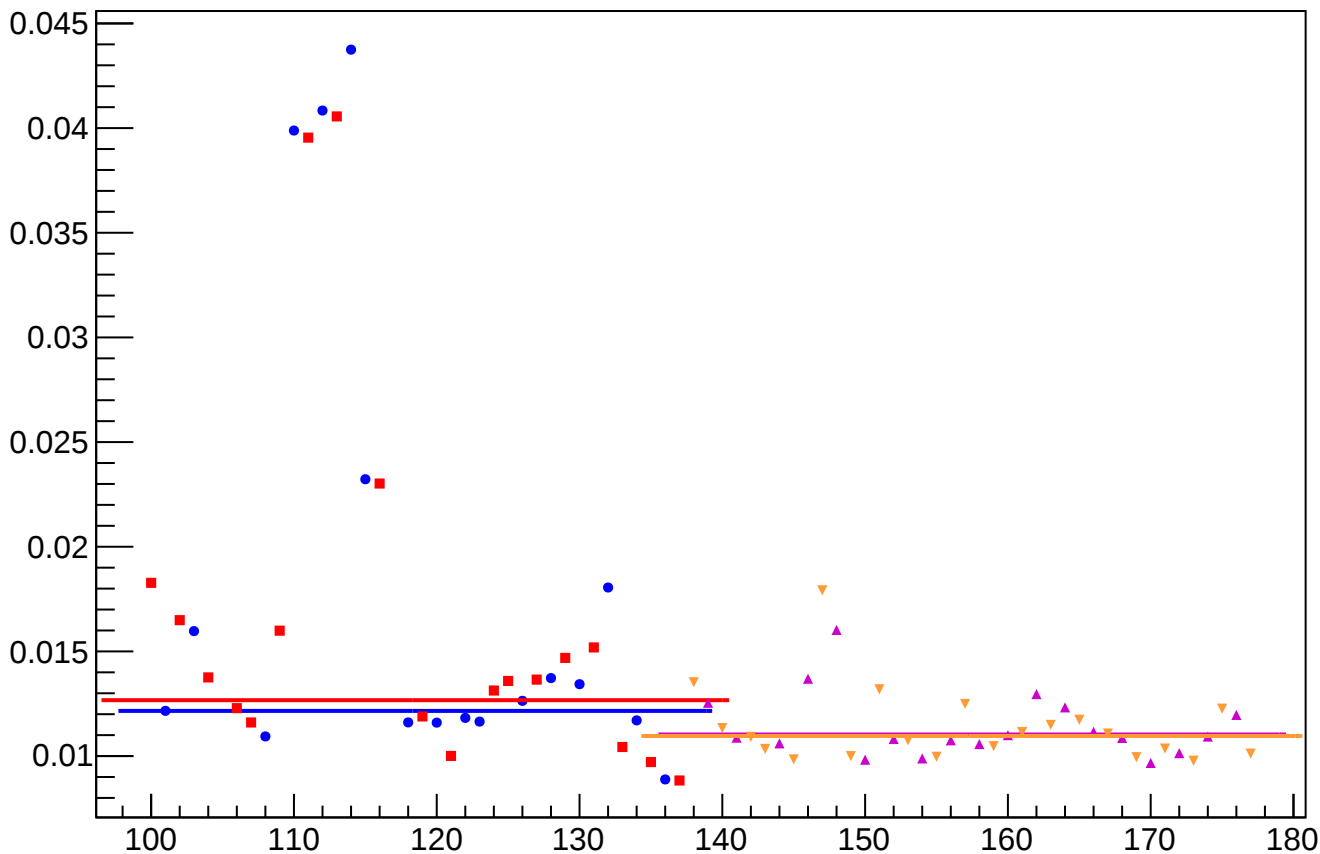
Right: 0.587 $\pm$ 0.000 χ^2 /NDF: 10552855690.4/35

In: 0.392 $\pm$ 0.000 χ^2 /NDF:6552283674.0/35

Out: 0.397 $\pm$ 0.000 χ^2 /NDF:7609641170.1/39

All: 0.395 $\pm$ 0.000 χ^2 /NDF: 14163548025.2/78

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 ± 0.000 $\chi^2/\text{NDF}: 1307948.2/16$

Left Out: 0.011 ± 0.000 $\chi^2/\text{NDF}: 479772.3/20$

Right Out: 0.013 ± 0.000 $\chi^2/\text{NDF}: 1267219.4/18$

Left In: 0.011 ± 0.000 $\chi^2/\text{NDF}: 377296.4/18$

Left: 0.011 ± 0.000 $\chi^2/\text{NDF}: 857664.1/39$

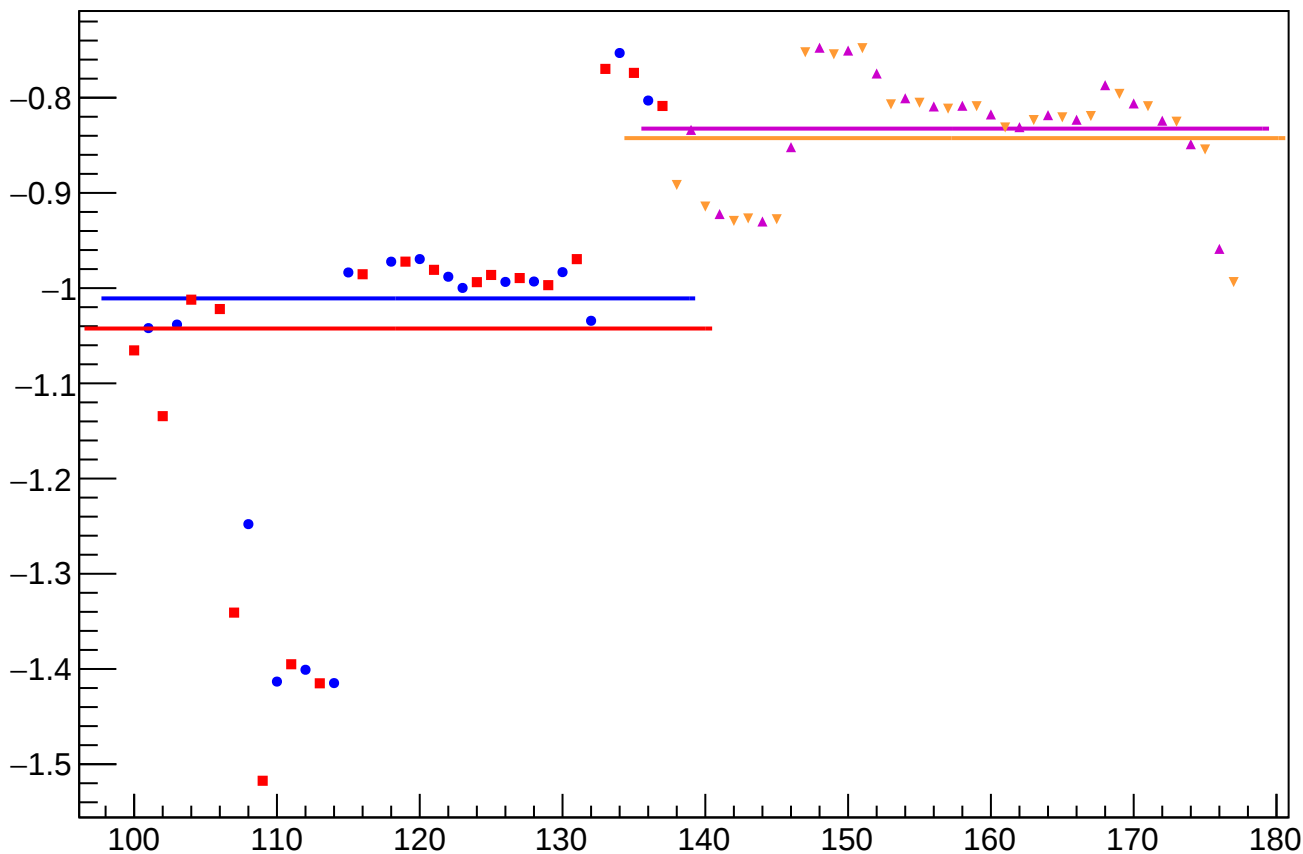
Right: 0.012 ± 0.000 $\chi^2/\text{NDF}: 2584926.4/35$

In: 0.011 ± 0.000 $\chi^2/\text{NDF}: 1757744.6/35$

Out: 0.011 ± 0.000 $\chi^2/\text{NDF}: 1912651.1/39$

All: 0.011 ± 0.000 $\chi^2/\text{NDF}: 3670628.3/75$

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.842+/-0.000 χ^2/NDF : 144020908.0/20

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

Left In: -0.832+/-0.000 χ^2/NDF : 107809643.7/18

Left: -0.838+/-0.000 χ^2/NDF : 253485342.9/39

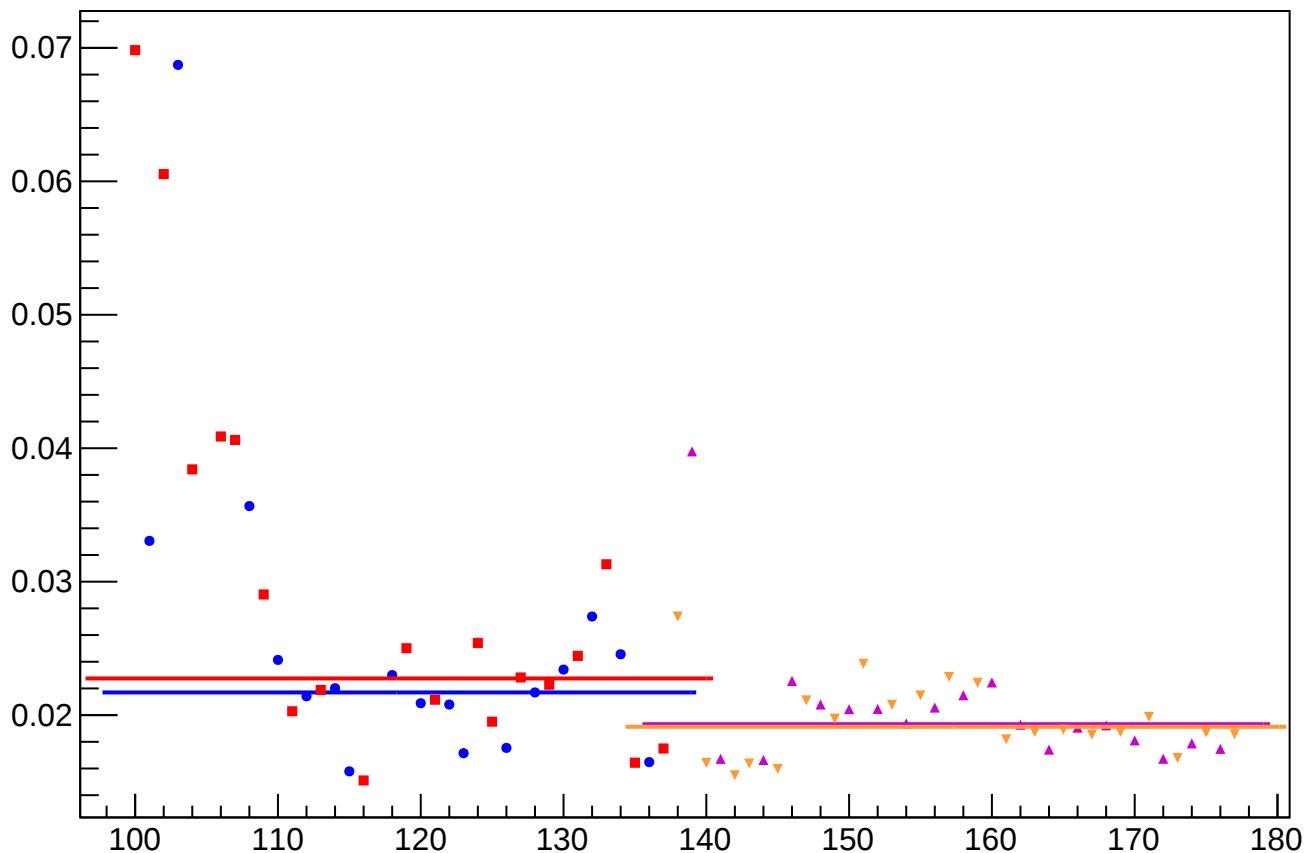
Right: -1.026+/-0.000 χ^2/NDF : 921337924.7/35

In: -0.877+/-0.000 χ^2/NDF : 749220784.5/35

Out: -0.888+/-0.000 χ^2/NDF : 989586524.0/39

All: -0.883+/-0.000 χ^2/NDF : 1741291344.8/77

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 424732.6/20

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

Left In: 0.019+/-0.000 χ^2/NDF : 594839.4/18

Left: 0.019+/-0.000 χ^2/NDF : 1020821.4/39

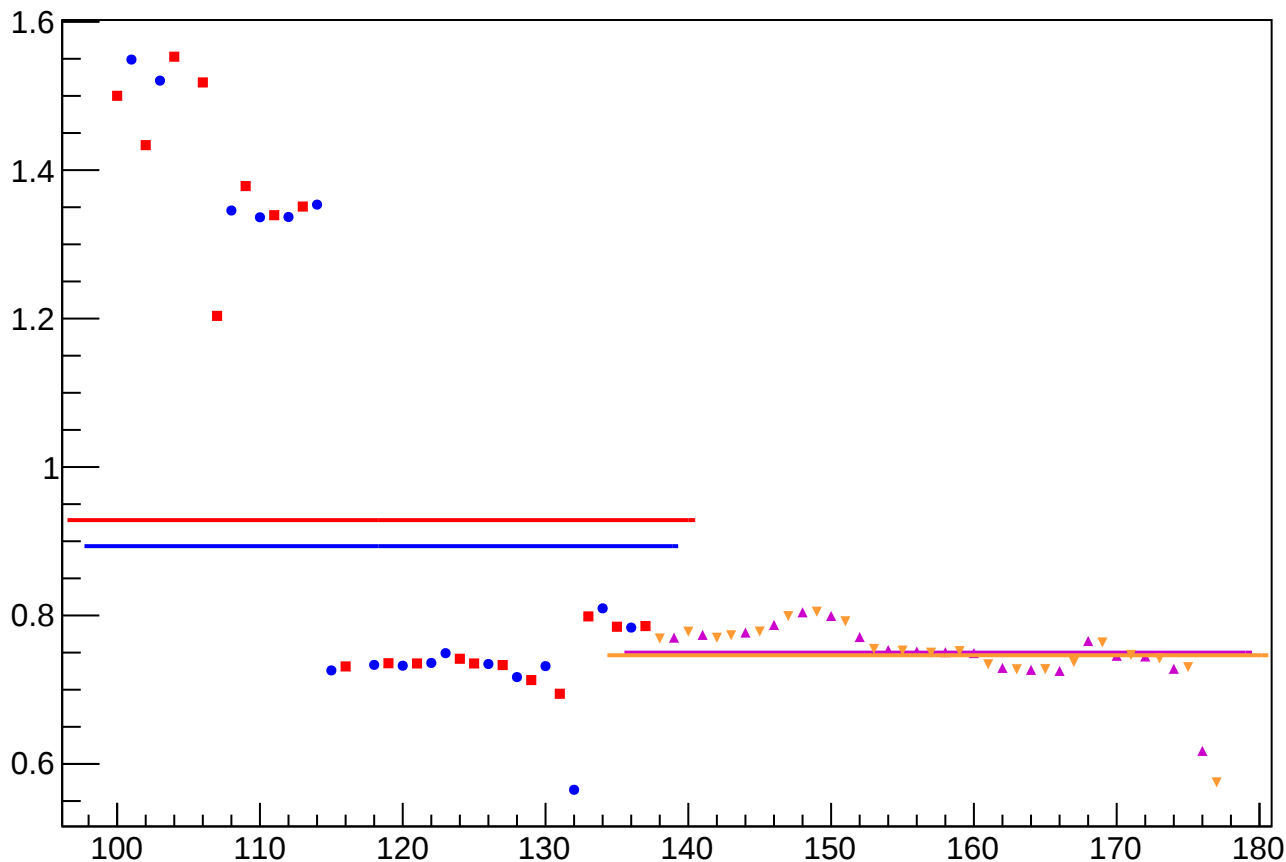
Right: 0.022+/-0.000 χ^2/NDF : 2143091.8/35

In: 0.020+/-0.000 χ^2/NDF : 1664871.3/35

Out: 0.020+/-0.000 χ^2/NDF : 1784884.6/39

All: 0.020+/-0.000 χ^2/NDF : 3449800.6/75

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.746+/-0.000 χ^2/NDF : 220946971.6/20

Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

Left In: 0.750+/-0.000 χ^2/NDF : 128454656.3/18

Left: 0.748+/-0.000 χ^2/NDF : 349999839.4/39

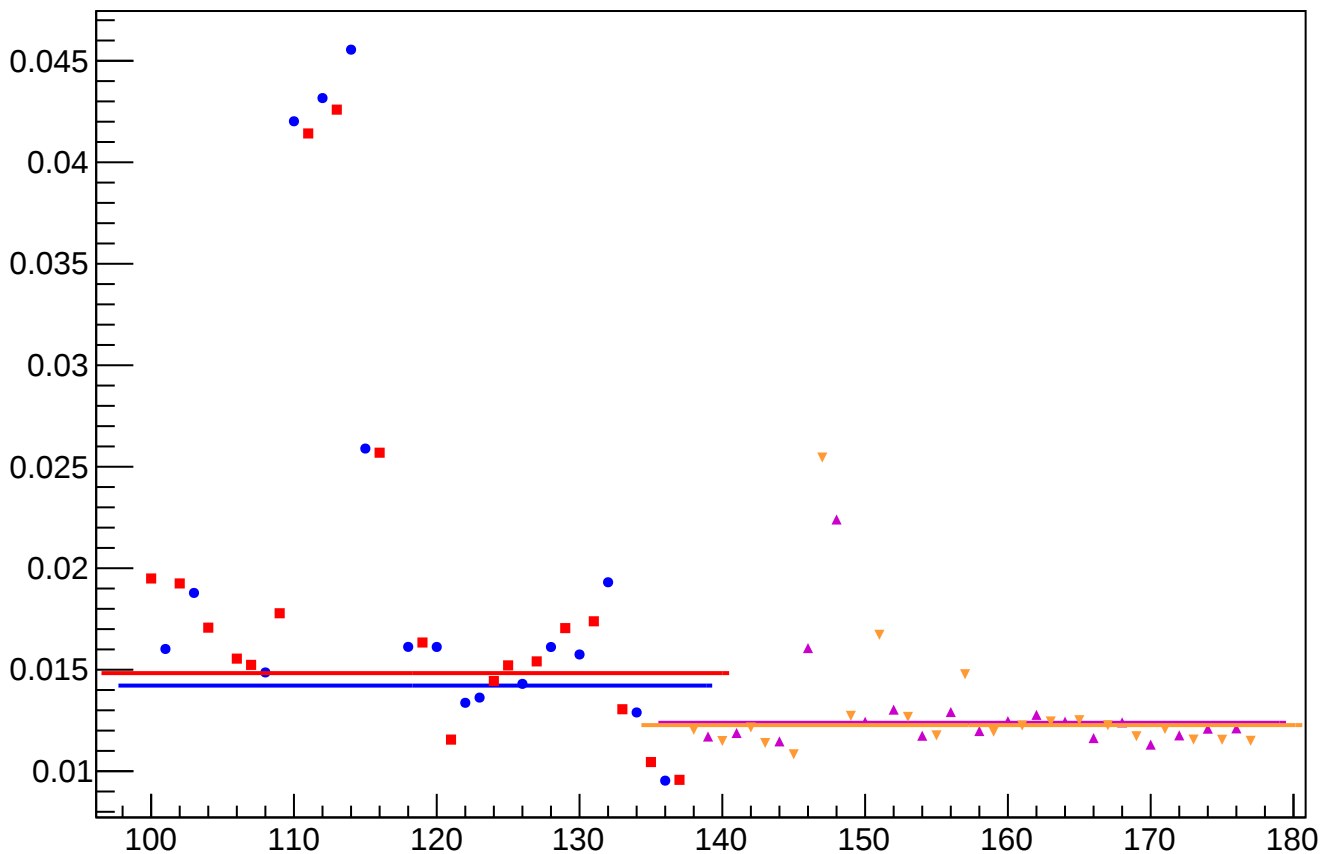
Right: 0.911+/-0.000 χ^2/NDF : 4860512064.2/35

In: 0.783+/-0.000 χ^2/NDF : 2974272480.2/35

Out: 0.785+/-0.000 χ^2/NDF : 3365498478.1/39

All: 0.784+/-0.000 χ^2/NDF : 6340091048.3/75

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 615027.6/20

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1269559.2/18

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 437661.2/18

Left: 0.012 $\pm$ 0.000 χ^2 /NDF: 1053944.7/39

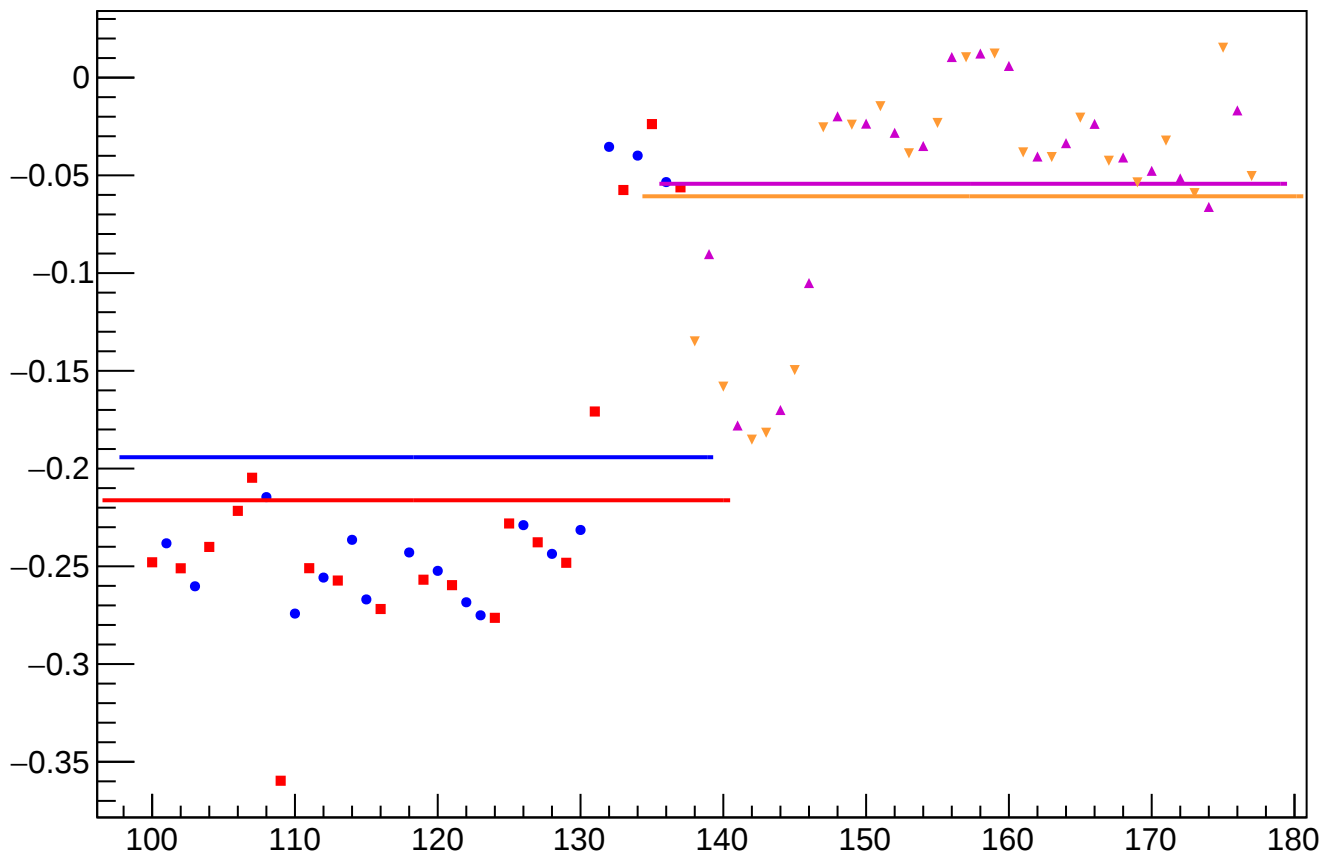
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 2689500.8/35

In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1990197.4/35

Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2165298.2/39

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4155508.2/75

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194 ± 0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.061 ± 0.000 χ^2/NDF : 126674154.4/20

Right Out: -0.216 ± 0.000 χ^2/NDF : 111036295.0/18

Left In: -0.054 ± 0.000 χ^2/NDF : 100637484.5/18

Left: -0.058 ± 0.000 χ^2/NDF : 228009233.1/39

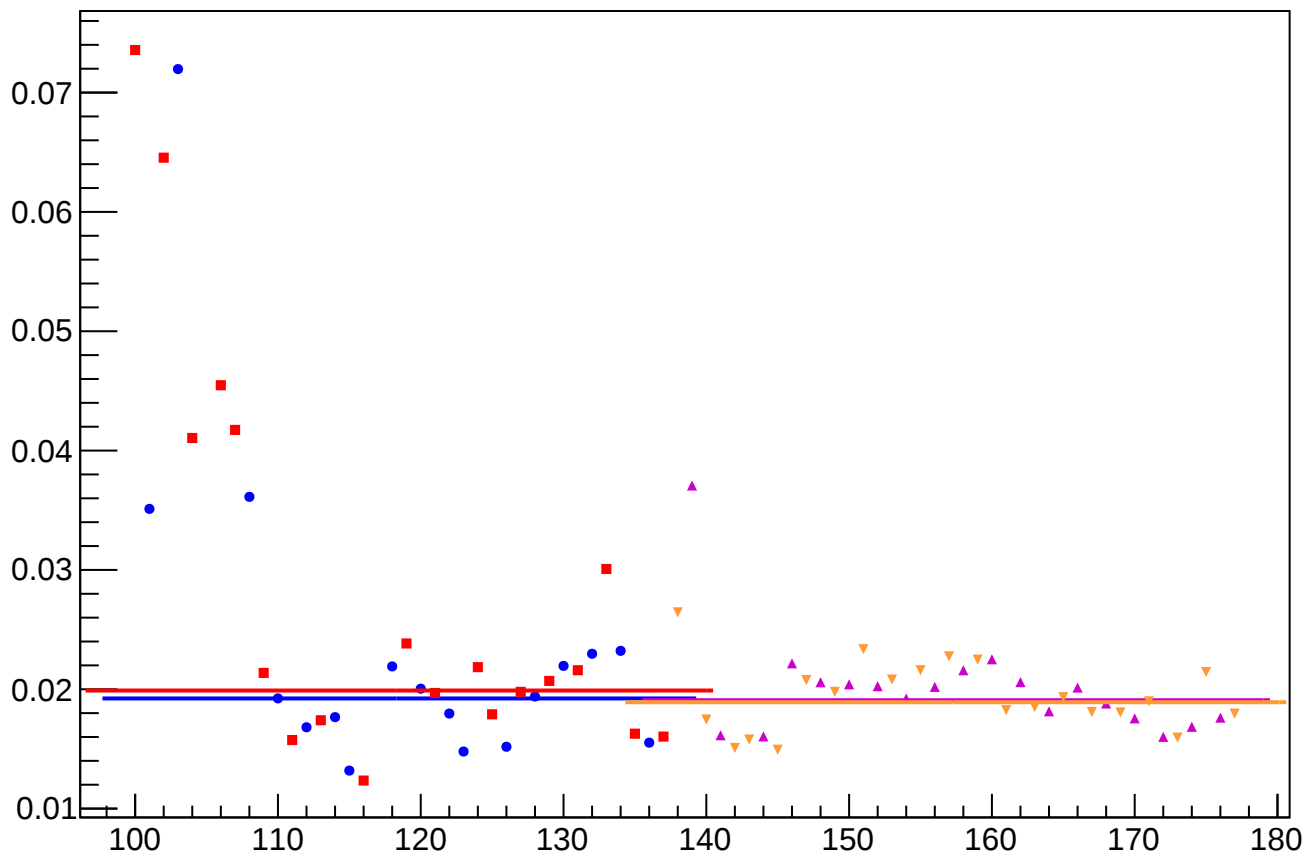
Right: -0.205 ± 0.000 χ^2/NDF : 222671892.3/35

In: -0.095 ± 0.000 χ^2/NDF : 394936403.9/35

Out: -0.102 ± 0.000 χ^2/NDF : 468972255.3/39

All: -0.099 ± 0.000 χ^2/NDF : 865211948.8/75

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 : 496319.1/20

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.019+/-0.000 χ^2/NDF : 616110.8/18

Left: 0.019+/-0.000 χ^2/NDF : 1113419.5/39

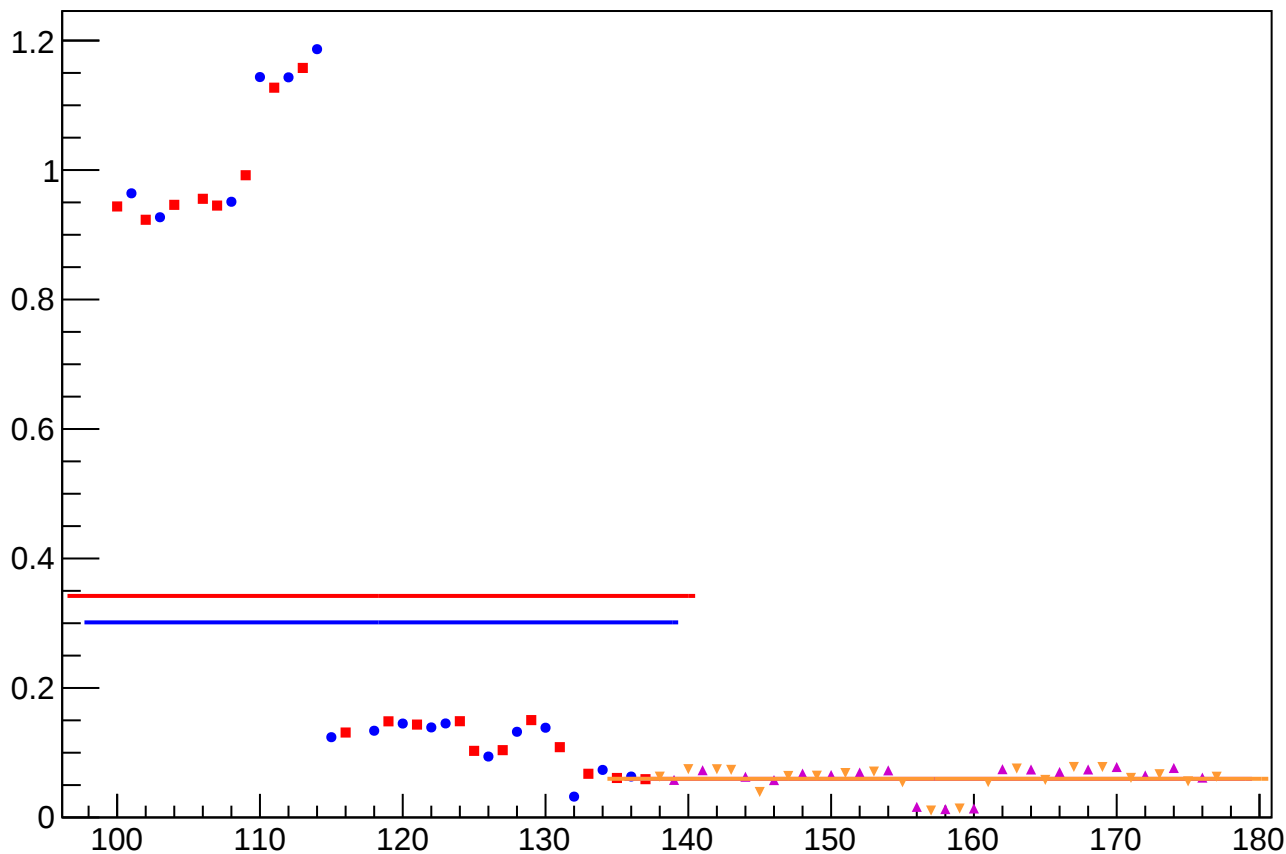
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.019+/-0.000 χ^2/NDF : 1791089.5/35

Out: 0.019+/-0.000 χ^2/NDF : 1959180.9/39

All: 0.019+/-0.000 χ^2/NDF : 3750391.6/75

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301 $\pm$ 0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.060 $\pm$ 0.000 χ^2/NDF : 44084116.8/20

Right Out: 0.342 $\pm$ 0.000 χ^2/NDF : 5442717599.3/18

Left In: 0.060 $\pm$ 0.000 χ^2/NDF : 57327505.2/18

Left: 0.060 $\pm$ 0.000 χ^2/NDF : 101412960.6/39

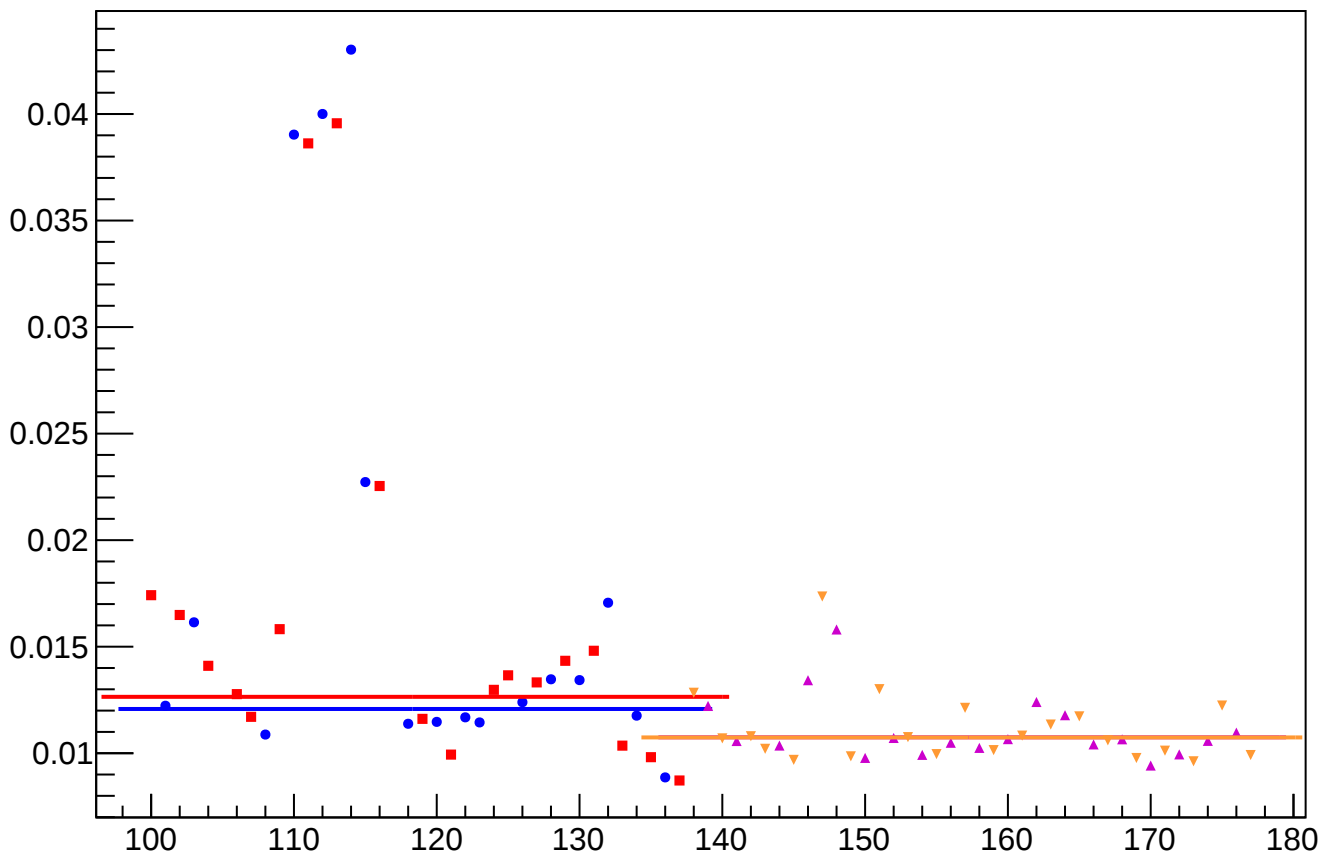
Right: 0.321 $\pm$ 0.000 χ^2/NDF : 10628899850.1/35

In: 0.118 $\pm$ 0.000 χ^2/NDF : 6919872463.6/35

Out: 0.122 $\pm$ 0.000 χ^2/NDF : 7775358856.1/39

All: 0.120 $\pm$ 0.000 χ^2/NDF : 14696834533.9/7

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: 454150.2/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 350079.8/18

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 804234.2/39

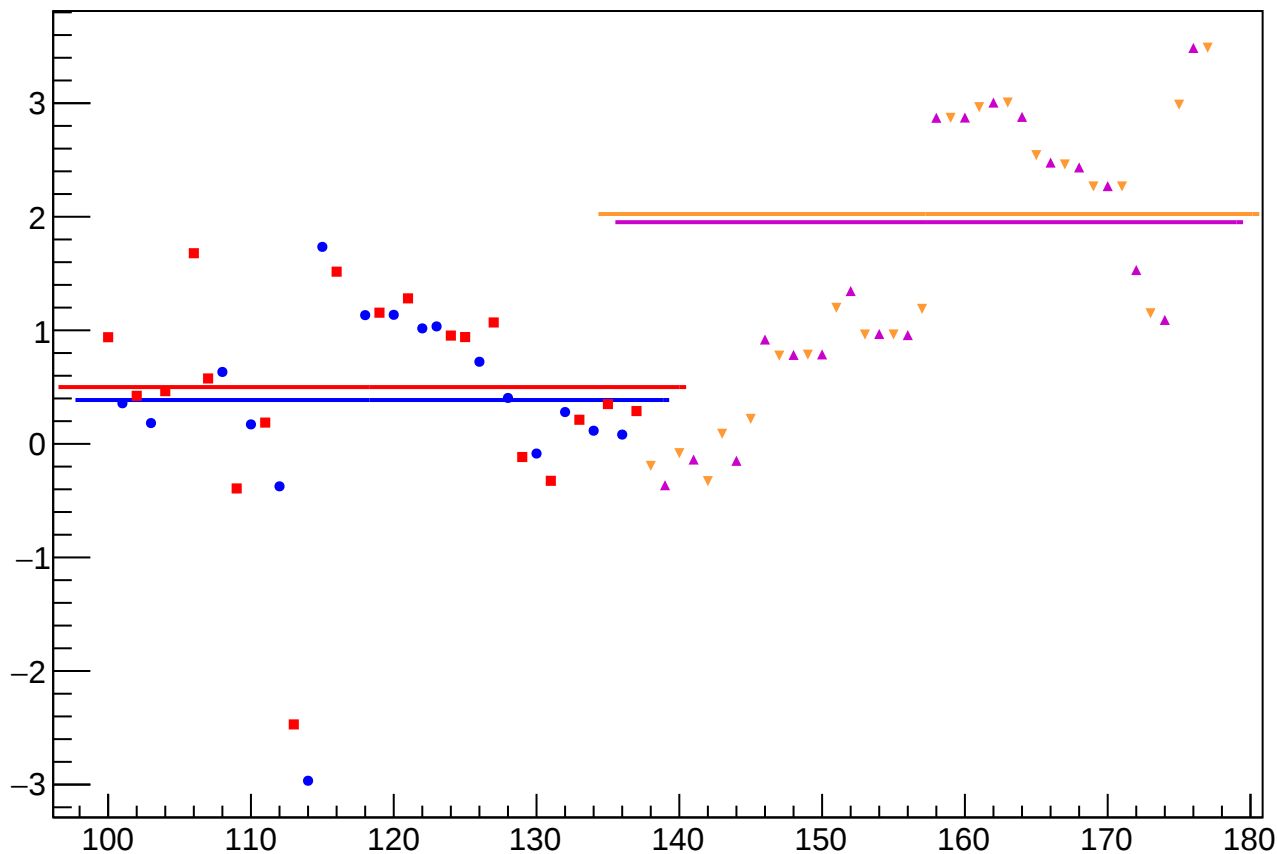
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2528646.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF: 1733727.8/35

Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1898505.6/39

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3633719.8/75

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 2.024+/-0.000 χ^2/NDF :37341676578.8/20

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

Left In: 1.952+/-0.000 χ^2/NDF :36723452937.5/18

Left: 1.988+/-0.000 χ^2/NDF : 74174713609.6/39

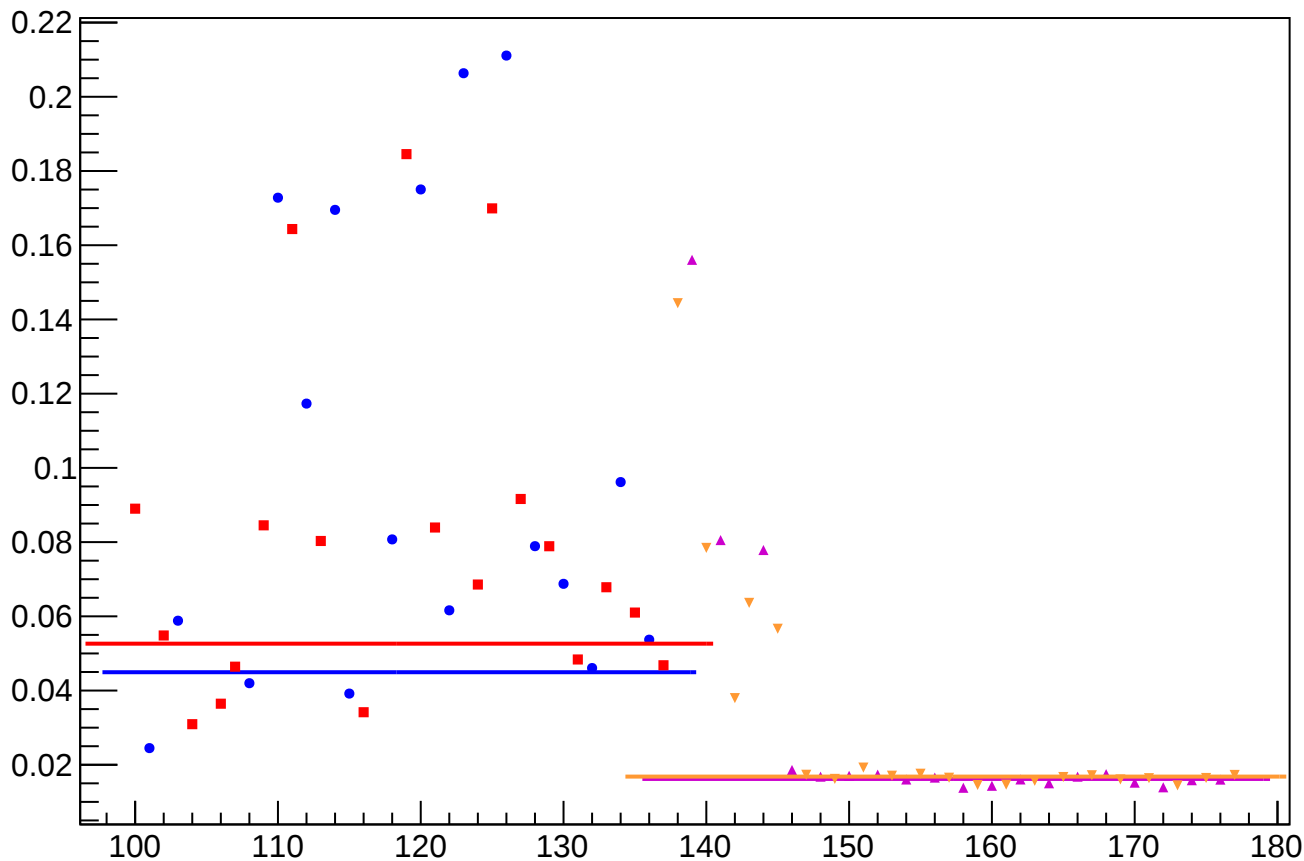
Right: 0.439+/-0.000 χ^2/NDF : 1240216918.3/35

In: 1.890+/-0.000 χ^2/NDF :41085014062.0/35

Out: 1.972+/-0.000 χ^2/NDF :41663414580.4/39

All: 1.931+/-0.000 χ^2/NDF : 82894245030.7/77

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF :2779746.0/20

Right Out: 0.053 $\pm$ 0.000 χ^2/NDF : 2191752.0/18

Left In: 0.016 $\pm$ 0.000 χ^2/NDF :2450895.2/18

Left: 0.016 $\pm$ 0.000 χ^2/NDF : 5247491.8/39

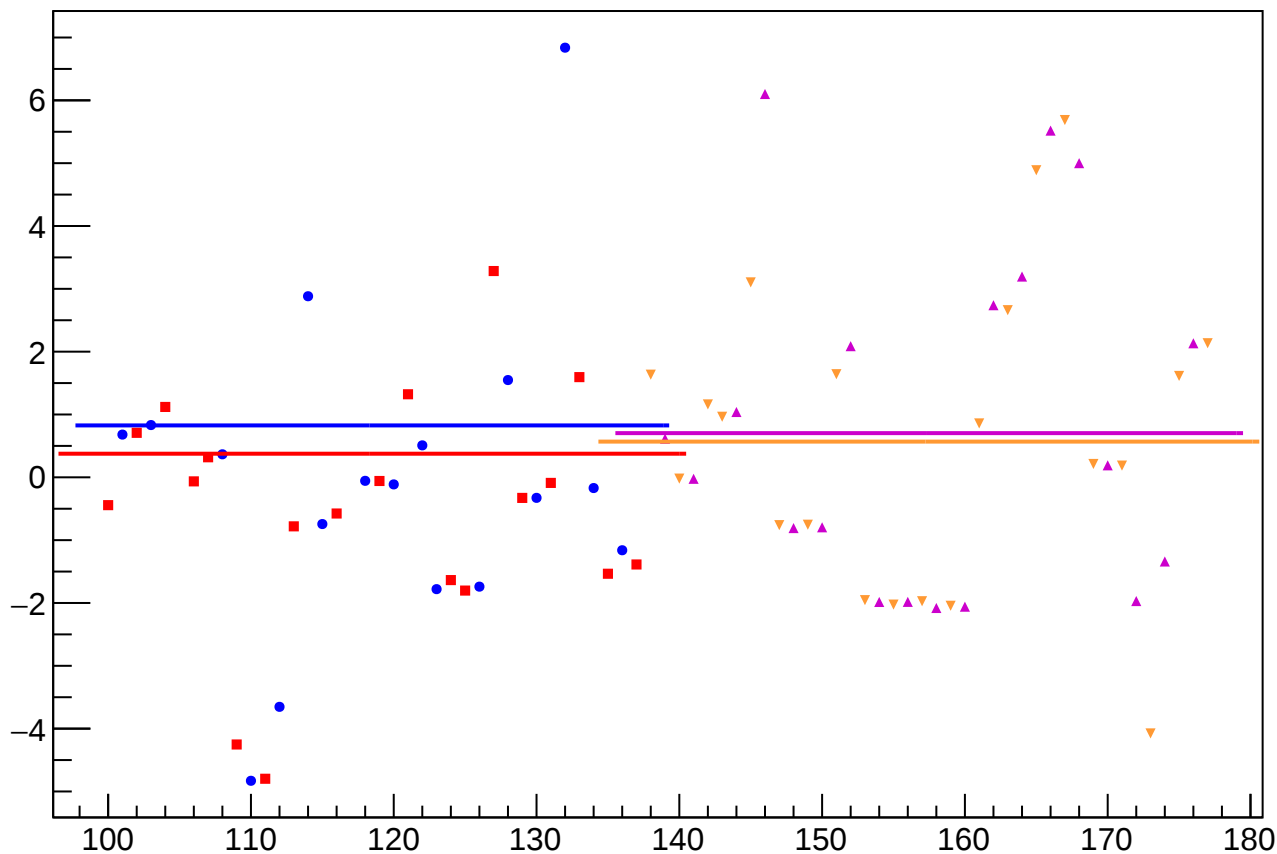
Right: 0.048 $\pm$ 0.000 χ^2/NDF : 5075265.3/35

In: 0.017 $\pm$ 0.000 χ^2/NDF :8014678.1/35

Out: 0.018 $\pm$ 0.000 χ^2/NDF :8658790.2/39

All: 0.018 $\pm$ 0.000 χ^2/NDF : 16696591.6/75

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000

χ^2/NDF : 10945455664.9/16

Left: 0.636+/-0.000 χ^2/NDF : 1038064090265.1/39

Right: 0.614+/-0.000 χ^2/NDF : 16267855103.5/35

Left Out: 0.568+/-0.000

χ^2/NDF : 485181566878.3/20

In: 0.710+/-0.000 χ^2/NDF : 563254820027.9/35

Right Out: 0.376+/-0.000

χ^2/NDF : 4947158634.2/18

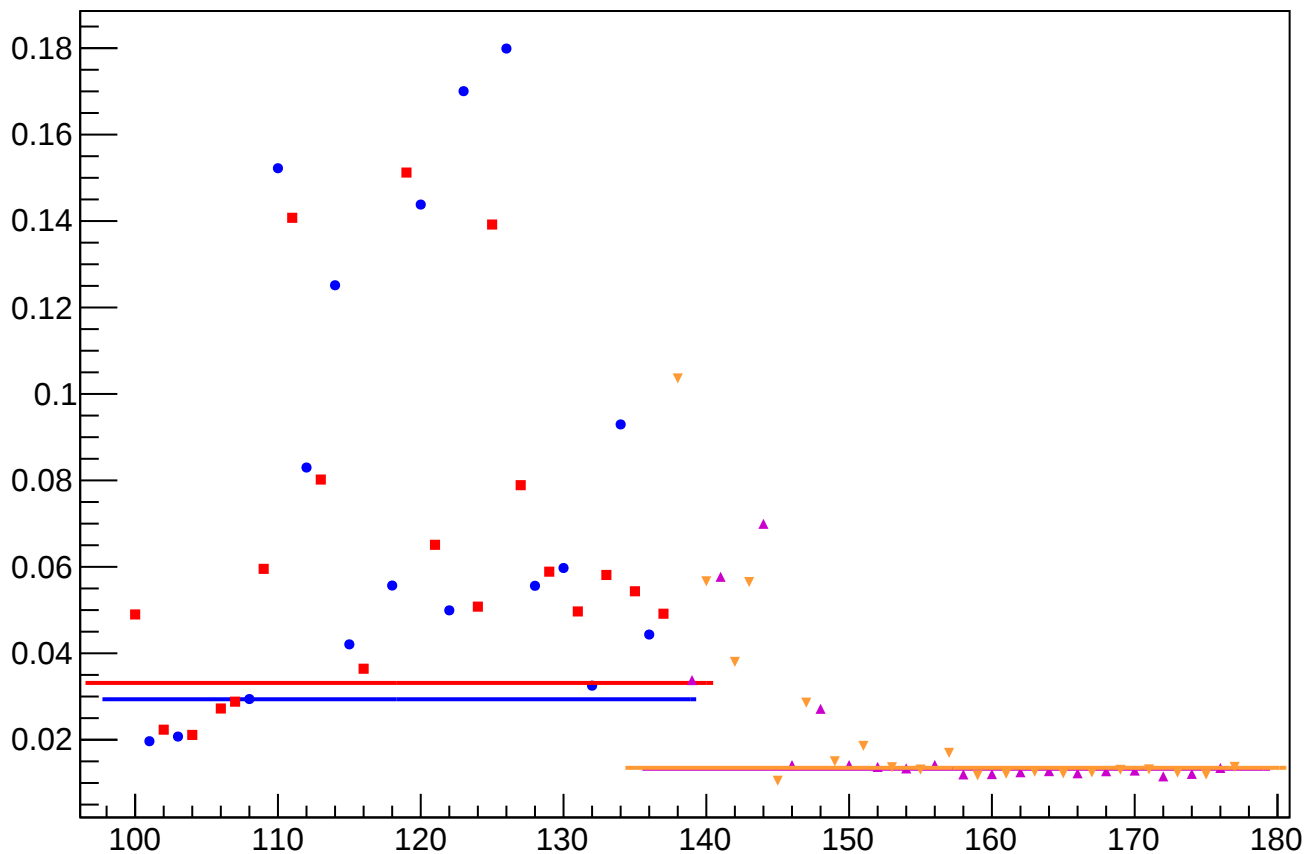
Out: 0.559+/-0.000 χ^2/NDF : 490252201638.2/39

Left In: 0.703+/-0.000

χ^2/NDF : 552253281693.8/18

All: 0.635+/-0.000 χ^2/NDF : 1054335163469.

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 :2890655.7/20

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

Left In: 0.013+/-0.000 χ^2/NDF :1949324.8/18

Left: 0.013+/-0.000 χ^2/NDF : 4843365.9/39

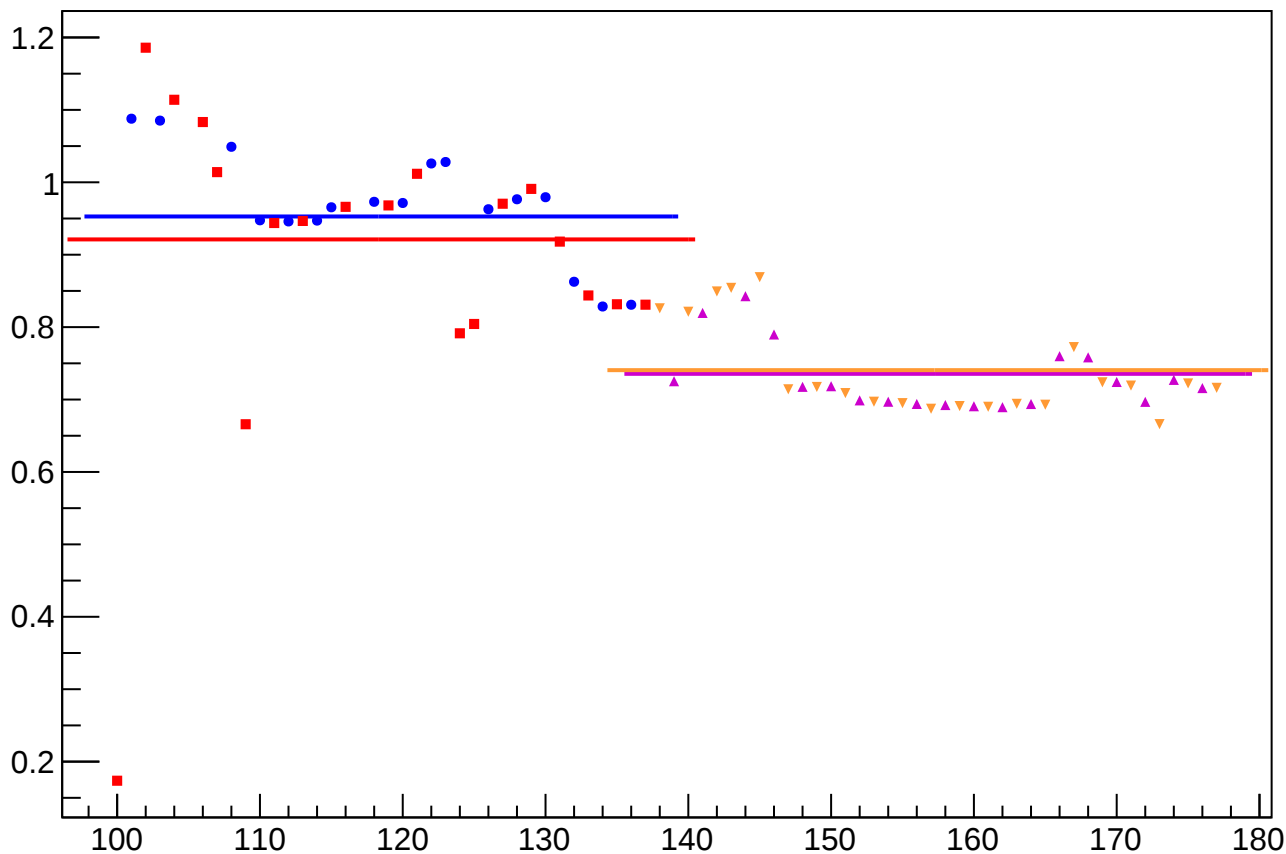
Right: 0.031+/-0.000 χ^2/NDF : 6139085.6/35

In: 0.014+/-0.000 χ^2/NDF :6860349.8/35

Out: 0.014+/-0.000 χ^2/NDF :8554100.2/39

All: 0.014+/-0.000 χ^2/NDF : 15420746.1/75

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.741 $\pm$ 0.000 χ^2 /NDF:292486765.4/20

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

Left In: 0.736 $\pm$ 0.000 χ^2 /NDF:166032278.1/18

Left: 0.738 $\pm$ 0.000 χ^2 /NDF: 459433756.0/39

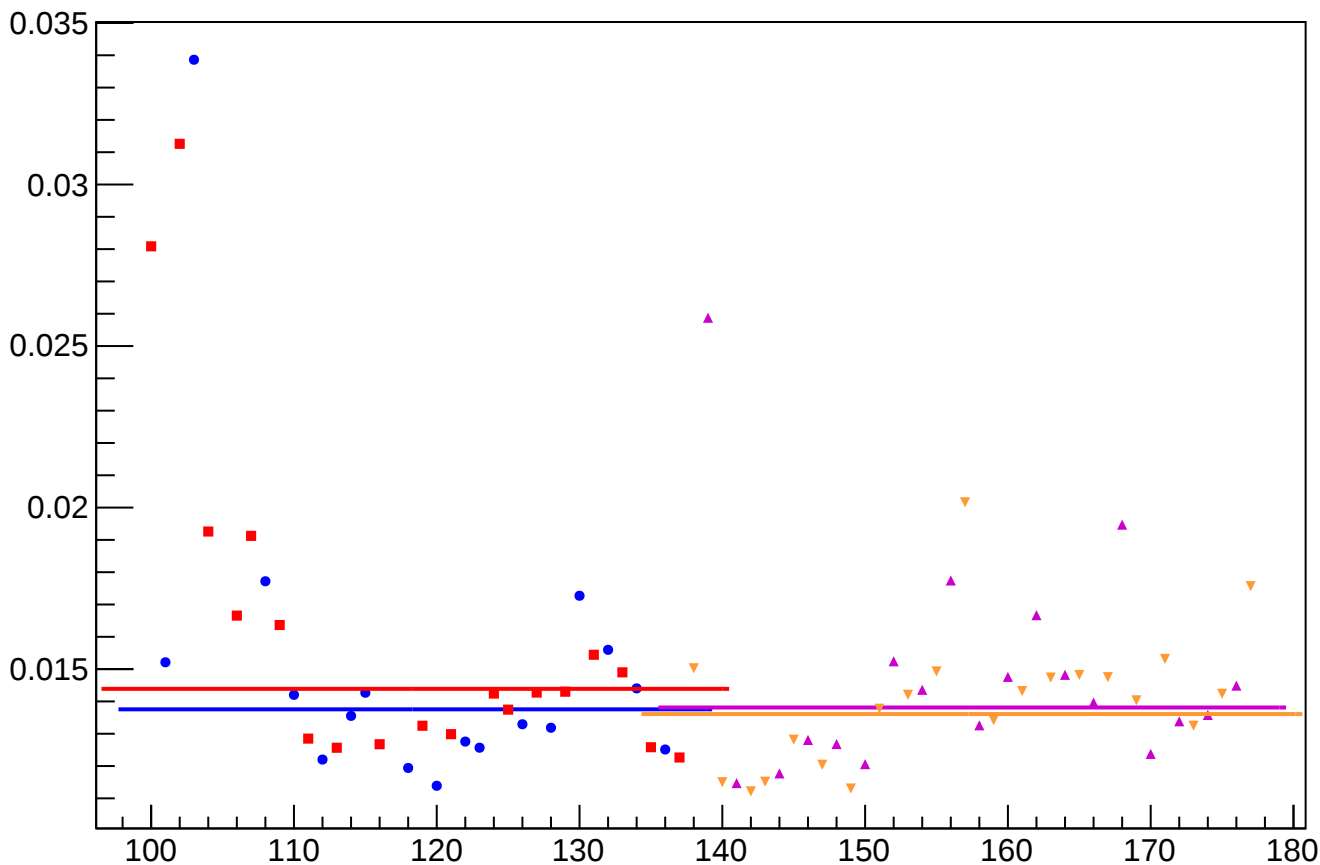
Right: 0.937 $\pm$ 0.000 χ^2 /NDF: 564889848.1/35

In: 0.802 $\pm$ 0.000 χ^2 /NDF:1336360833.1/35

Out: 0.792 $\pm$ 0.000 χ^2 /NDF:1353192792.7/39

All: 0.797 $\pm$ 0.000 χ^2 /NDF: 2695431832.7/75

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538469.4/16

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:473639.3/20

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:755385.2/18

Left: 0.014 $\pm$ 0.000 χ^2 /NDF: 1231980.5/39

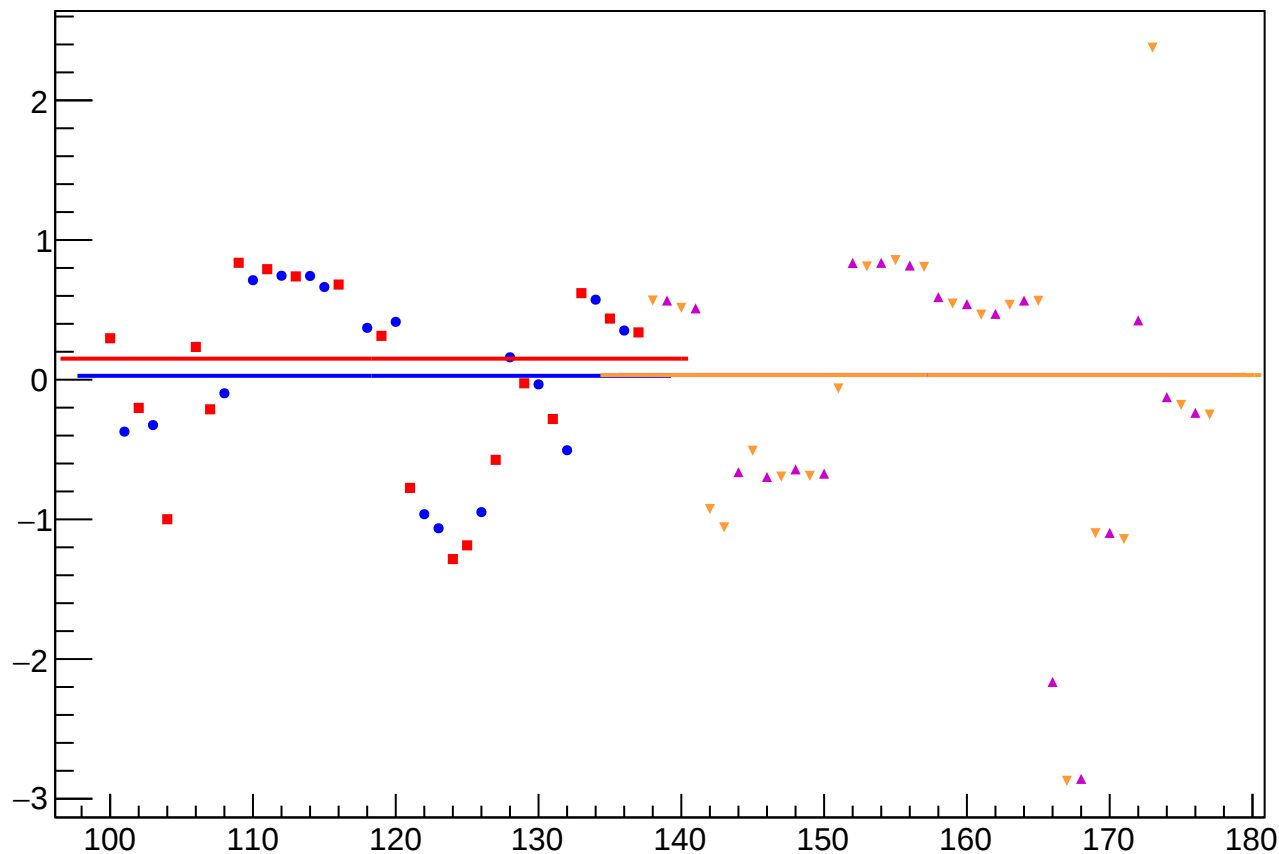
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 1054284.2/35

In: 0.014 $\pm$ 0.000 χ^2 /NDF:1293989.9/35

Out: 0.014 $\pm$ 0.000 χ^2 /NDF:1003121.0/39

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2297230.7/75

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.033+/-0.000 χ^2/NDF : 95177528694.2/20

Right Out: 0.151+/-0.000 χ^2/NDF : 12653743155.9/18

Left In: 0.034+/-0.000 χ^2/NDF : 79112940348.0/18

Left: 0.034+/-0.000 χ^2/NDF : 174290514387.8/39

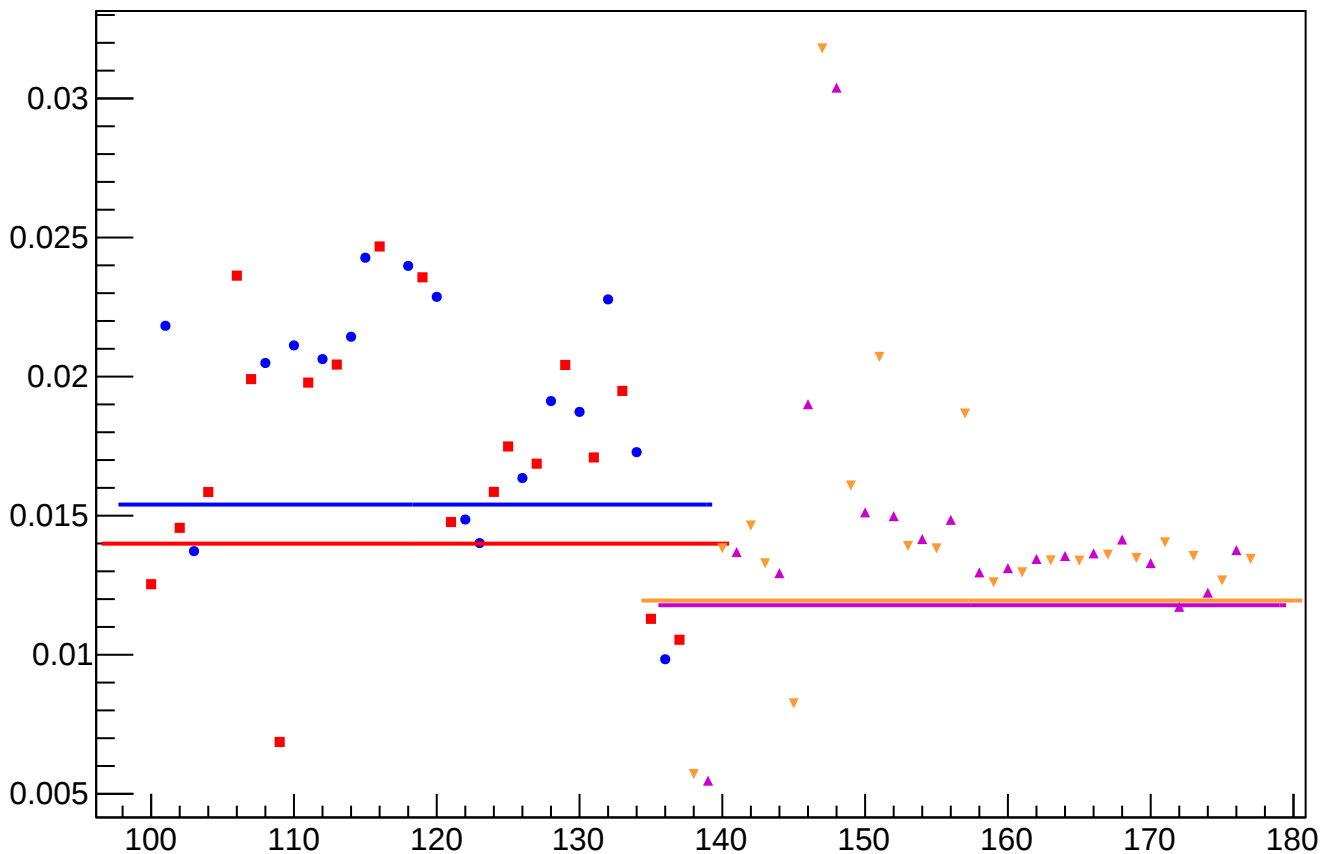
Right: 0.095+/-0.000 χ^2/NDF : 19125643372.9/35

In: 0.033+/-0.000 χ^2/NDF : 85390663274.9/35

Out: 0.060+/-0.000 χ^2/NDF : 108133638158.6/39

All: 0.047+/-0.000 χ^2/NDF : 193569262934.1

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 : 3068052.0/20

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

Left In: 0.012+/-0.000 χ^2/NDF : 3067301.4/18

Left: 0.012+/-0.000 χ^2/NDF : 6138003.7/39

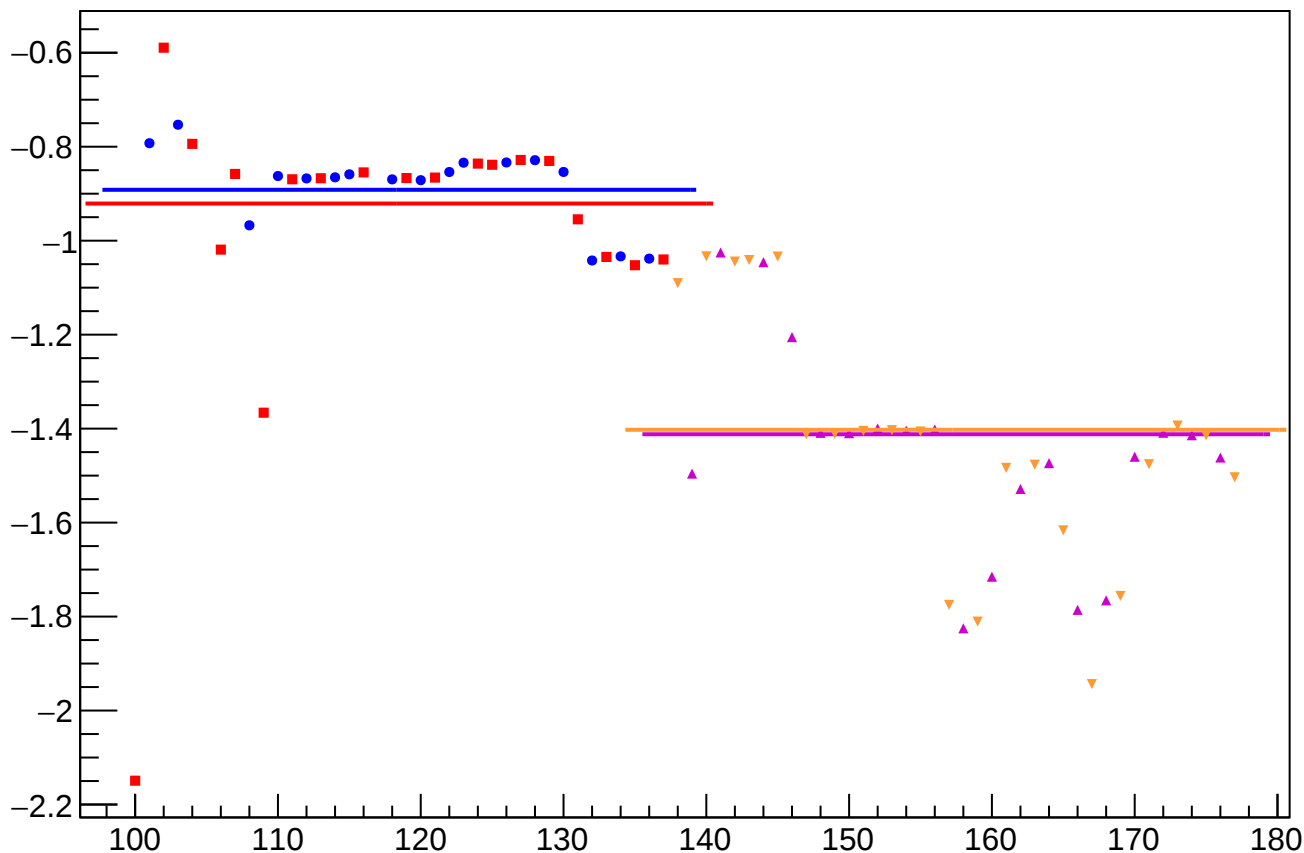
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.013+/-0.000 χ^2/NDF : 4699871.8/35

Out: 0.012+/-0.000 χ^2/NDF : 4813109.7/39

All: 0.012+/-0.000 χ^2/NDF : 9514274.5/75

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.402+/-0.000 χ^2/NDF : 717949369.3/20

Right Out: -0.921+/-0.000 χ^2/NDF : 131159330.1/18

Left In: -1.412+/-0.000 χ^2/NDF : 512178789.8/18

Left: -1.407+/-0.000 χ^2/NDF : 1230614166.0/39

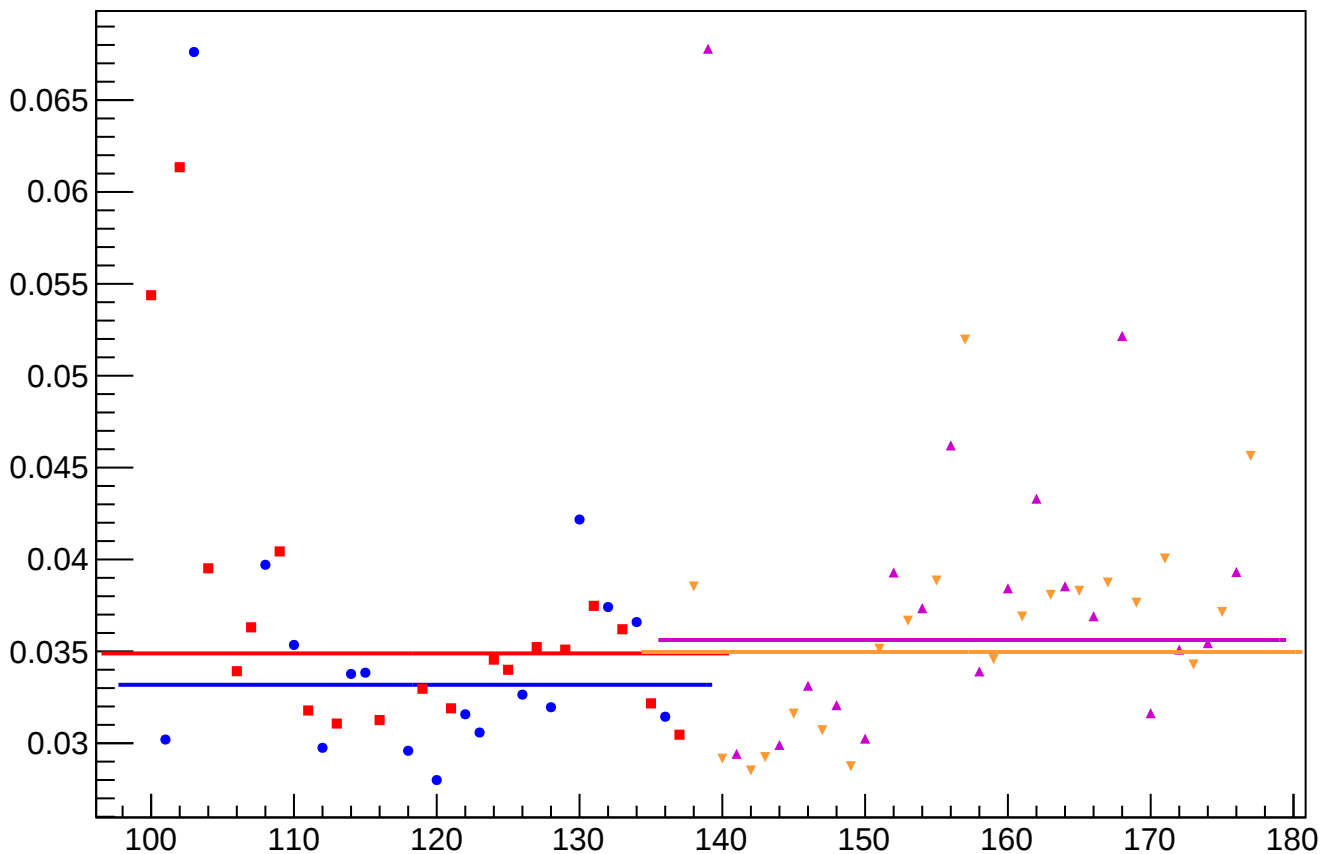
Right: -0.906+/-0.000 χ^2/NDF : 173170801.3/35

In: -1.234+/-0.000 χ^2/NDF : 1493069603.1/35

Out: -1.253+/-0.000 χ^2/NDF : 1655859783.7/39

All: -1.244+/-0.000 χ^2/NDF : 3151631387.0/7

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.035+/-0.000 χ^2/NDF :537230.3/20

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

Left In: 0.036+/-0.000 χ^2/NDF :847451.6/18

Left: 0.035+/-0.000 χ^2/NDF : 1389222.9/39

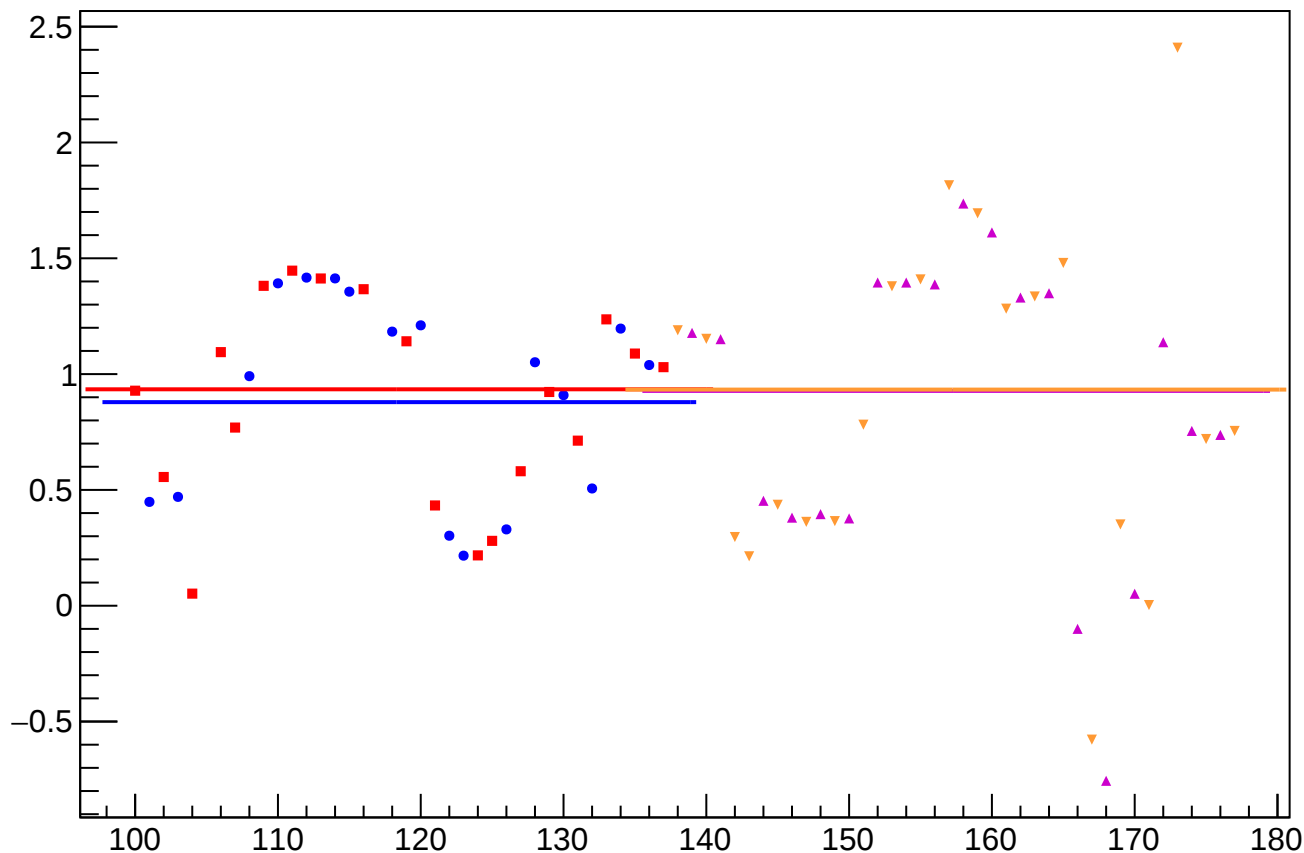
Right: 0.034+/-0.000 χ^2/NDF : 690186.6/35

In: 0.035+/-0.000 χ^2/NDF :1288845.3/35

Out: 0.035+/-0.000 χ^2/NDF :812284.4/39

All: 0.035+/-0.000 χ^2/NDF : 2101516.5/75

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 $\pm$ 0.000 χ^2 /NDF: 6371602566.2/16

Left Out: 0.933 $\pm$ 0.000 χ^2 /NDF: 82750761632.3/20

Right Out: 0.934 $\pm$ 0.000 χ^2 /NDF: 9827120184.9/18

Left In: 0.927 $\pm$ 0.000 χ^2 /NDF: 66109247887.3/18

Left: 0.930 $\pm$ 0.000 χ^2 /NDF: 148862863055.9/39

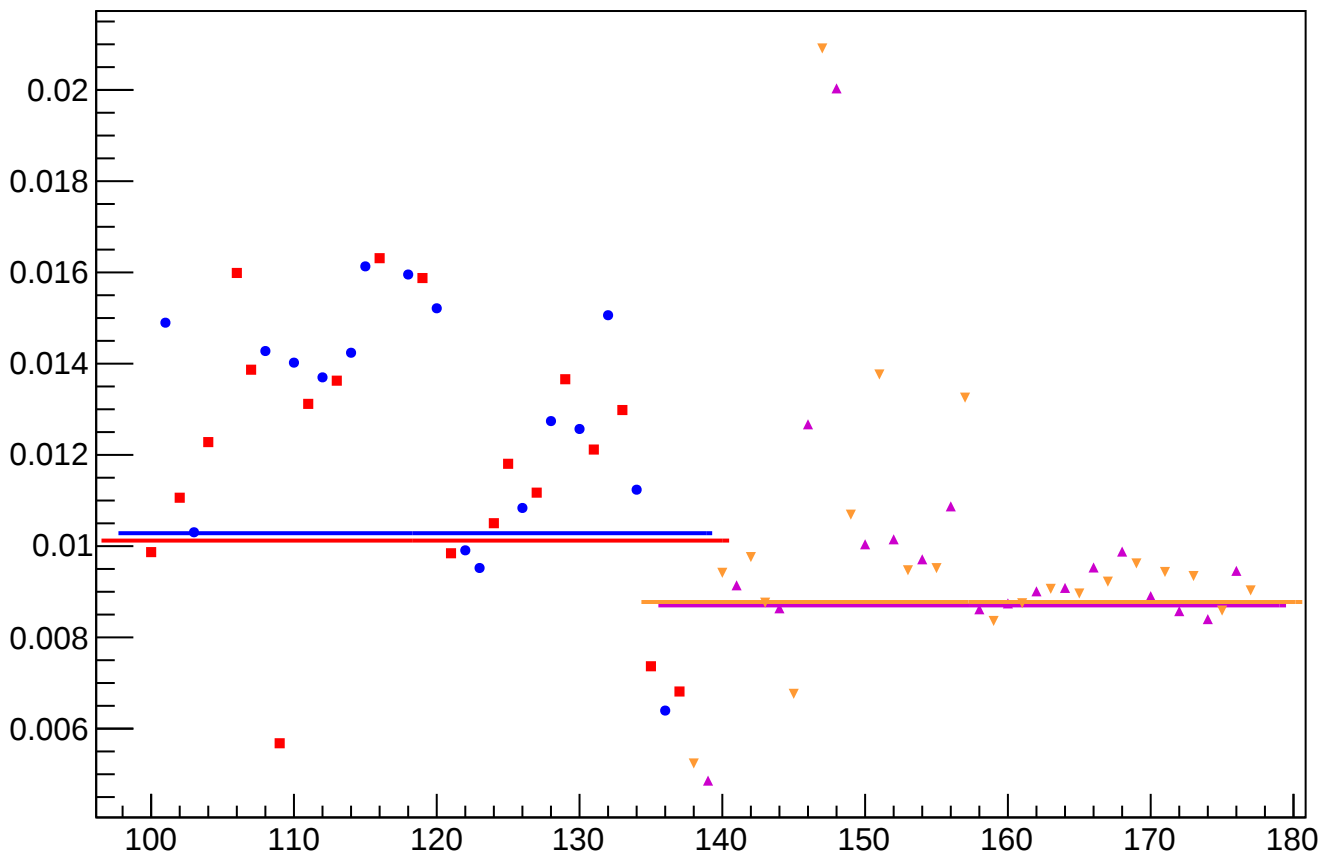
Right: 0.908 $\pm$ 0.000 χ^2 /NDF: 16282606826.3/35

In: 0.916 $\pm$ 0.000 χ^2 /NDF: 72576007536.7/35

Out: 0.933 $\pm$ 0.000 χ^2 /NDF: 92577950594.5/39

All: 0.925 $\pm$ 0.000 χ^2 /NDF: 165188414318.7

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.009+/-0.000 χ^2/NDF :1696458.8/20

Right Out: 0.010+/-0.000 χ^2/NDF : 1176642.1/18

Left In: 0.009+/-0.000 χ^2/NDF :1664440.1/18

Left: 0.009+/-0.000 χ^2/NDF : 3361902.4/39

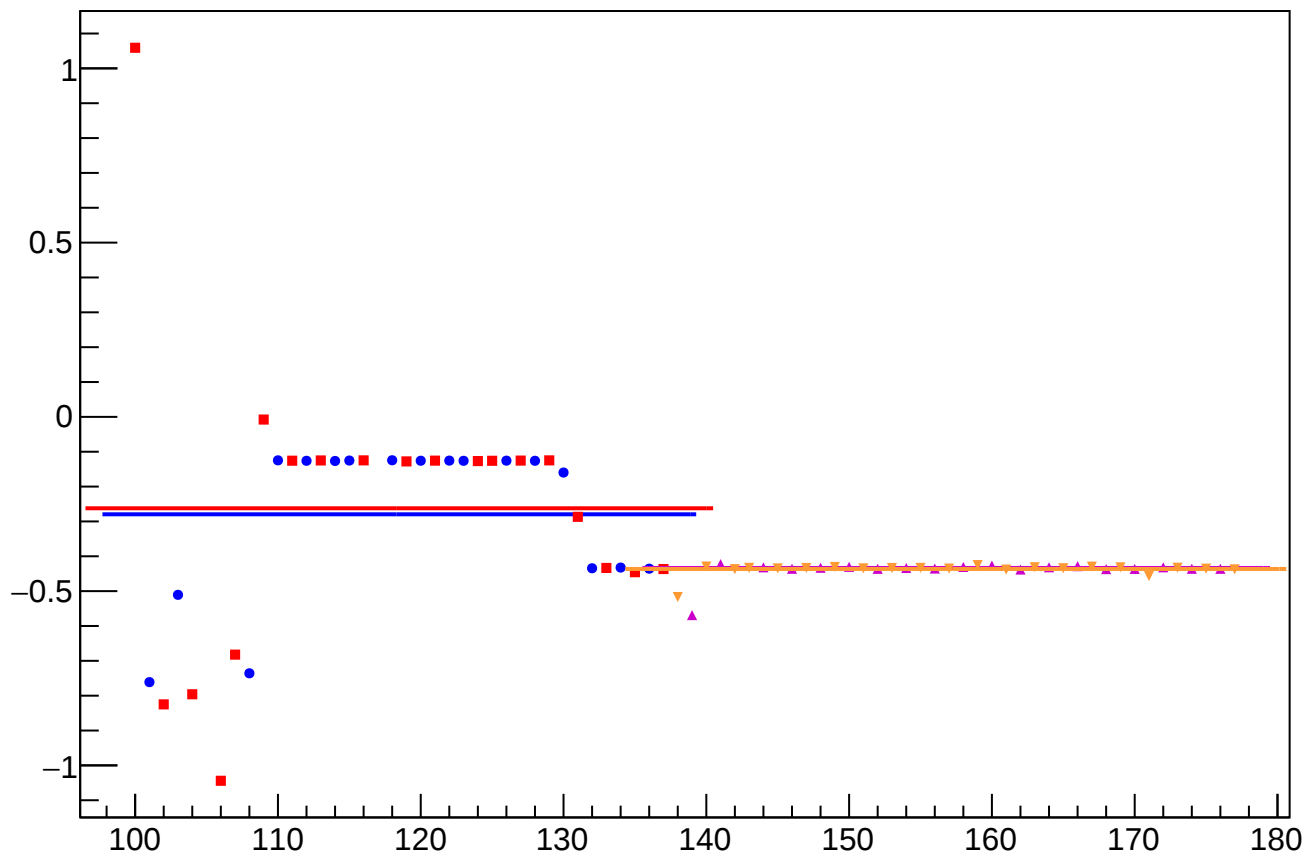
Right: 0.010+/-0.000 χ^2/NDF : 2385530.8/35

In: 0.009+/-0.000 χ^2/NDF :3074329.4/35

Out: 0.009+/-0.000 χ^2/NDF :3031157.6/39

All: 0.009+/-0.000 χ^2/NDF : 6105629.0/75

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 $\chi^2/\text{NDF}: 28752409.0/20$

Right Out: -0.262 ± 0.000 $\chi^2/\text{NDF}: 1006263824.6/18$

Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 19908982.6/18$

Left: -0.435 ± 0.000 $\chi^2/\text{NDF}: 49188889.3/39$

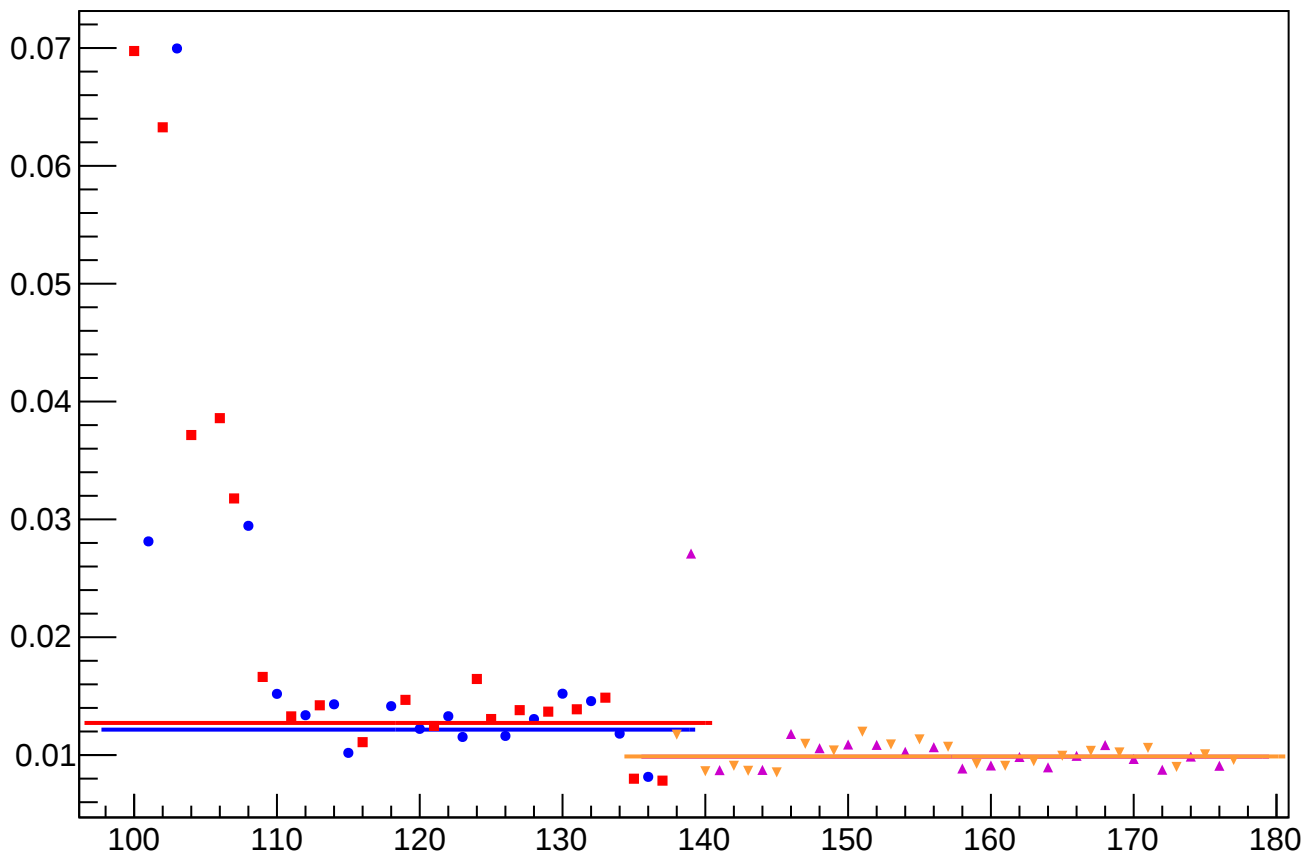
Right: -0.271 ± 0.000 $\chi^2/\text{NDF}: 1940066892.0/35$

In: -0.403 ± 0.000 $\chi^2/\text{NDF}: 1547033964.5/35$

Out: -0.405 ± 0.000 $\chi^2/\text{NDF}: 1777832010.1/39$

All: -0.404 ± 0.000 $\chi^2/\text{NDF}: 3325285002.2/7$

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:250390.6/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:773244.6/18

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 1023682.6/39

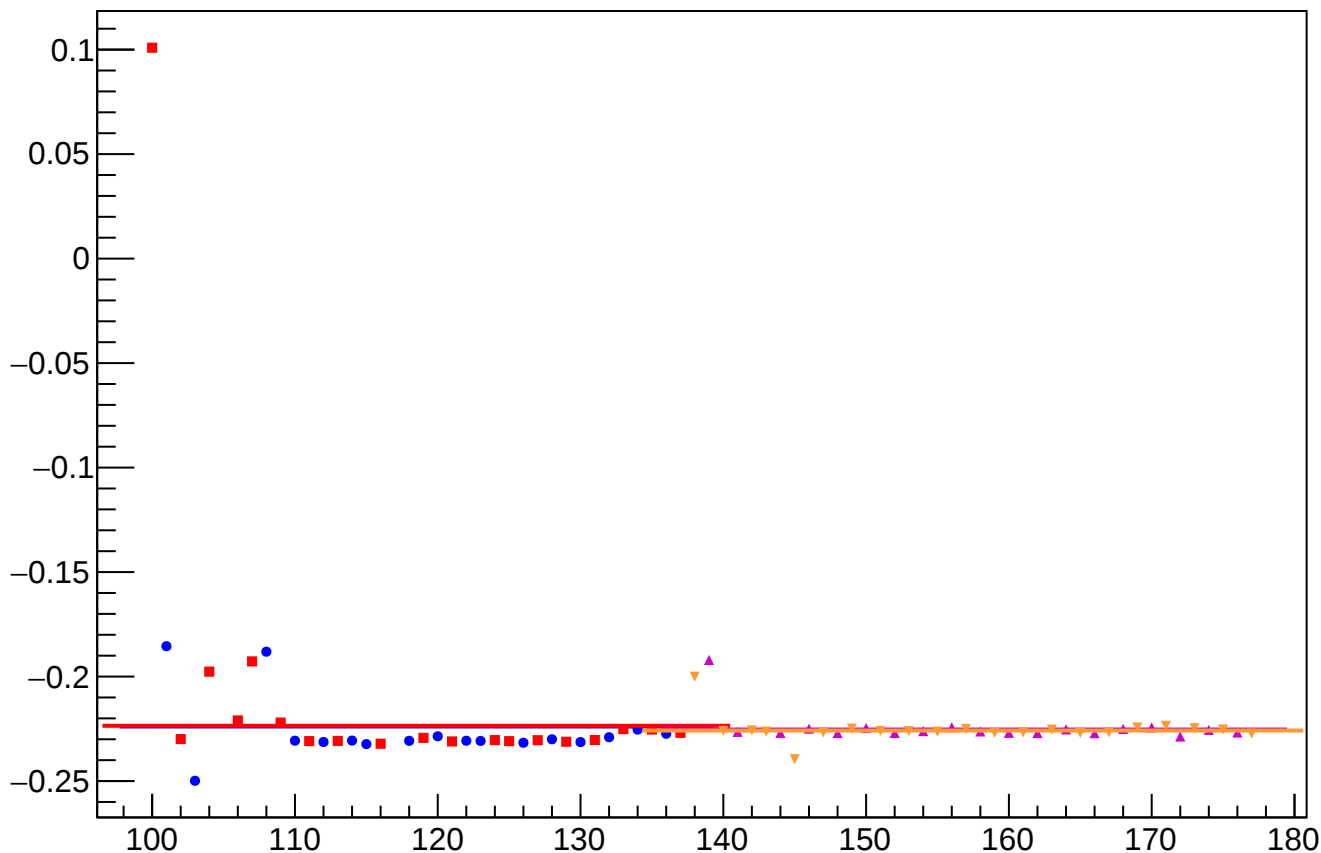
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3700041.2/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:2761537.1/35

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:2613763.2/39

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5376137.7/75

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224 ± 0.000 $\chi^2/\text{NDF}: 74600073.9/16$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 20936264.4/20$

Right Out: -0.224 ± 0.000 $\chi^2/\text{NDF}: 168124199.3/18$

Left In: -0.225 ± 0.000 $\chi^2/\text{NDF}: 13226025.4/18$

Left: -0.226 ± 0.000 $\chi^2/\text{NDF}: 34223622.5/39$

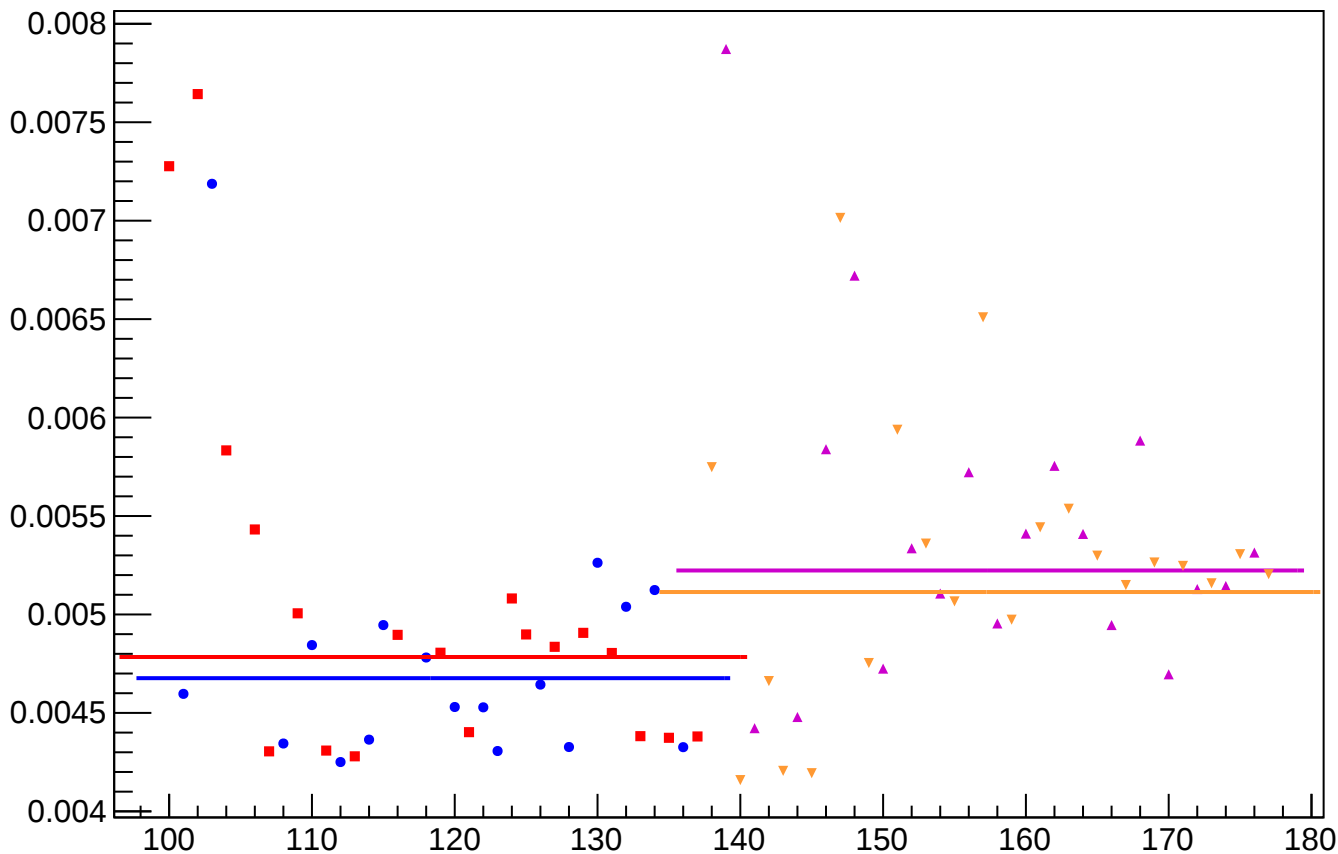
Right: -0.224 ± 0.000 $\chi^2/\text{NDF}: 242740169.2/35$

In: -0.225 ± 0.000 $\chi^2/\text{NDF}: 88208118.2/35$

Out: -0.225 ± 0.000 $\chi^2/\text{NDF}: 190035134.4/39$

All: -0.225 ± 0.000 $\chi^2/\text{NDF}: 278266138.9/75$

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 455546.7/20

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 437302.0/18

Left: 0.005+/-0.000 χ^2/NDF : 899242.7/39

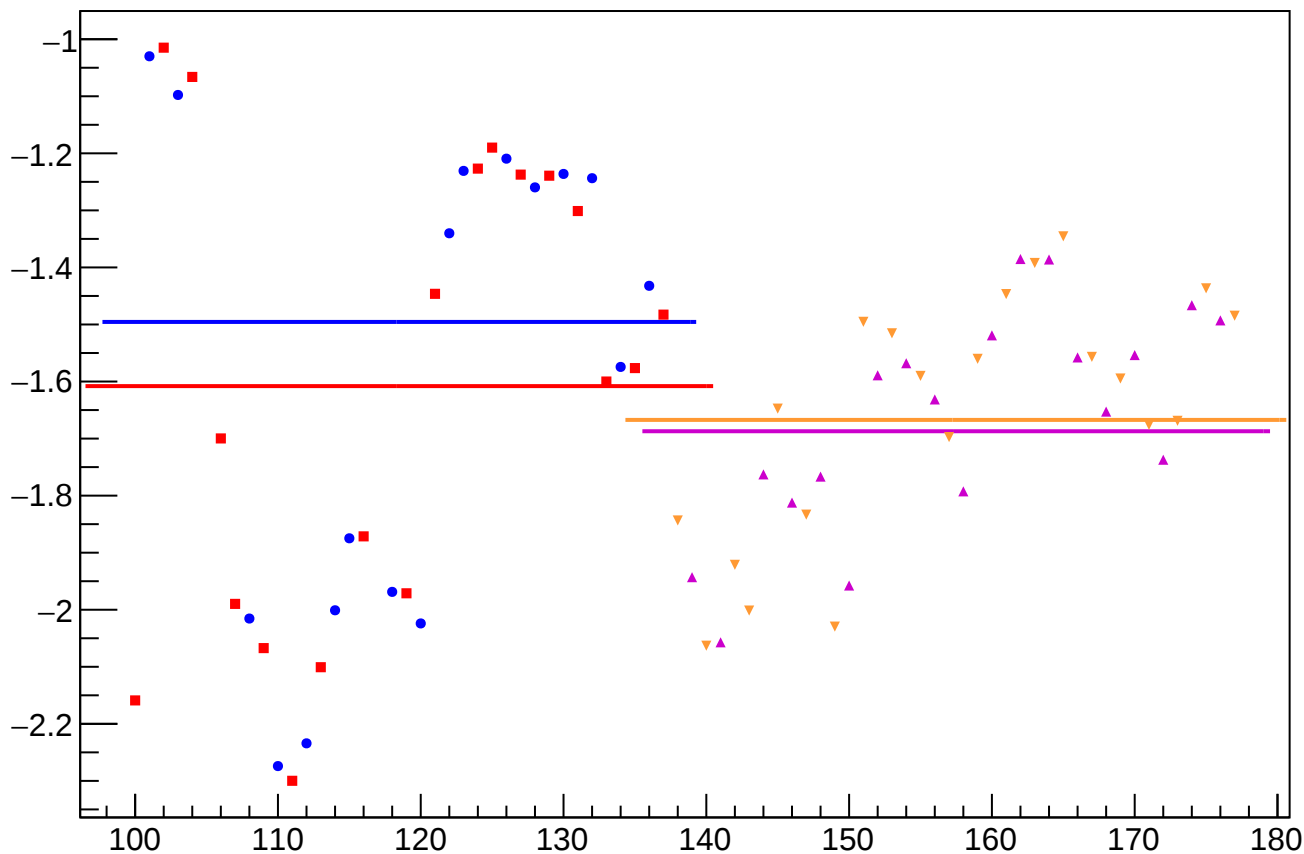
Right: 0.005+/-0.000 χ^2/NDF : 432242.2/35

In: 0.005+/-0.000 χ^2/NDF : 724401.7/35

Out: 0.005+/-0.000 χ^2/NDF : 744503.3/39

All: 0.005+/-0.000 χ^2/NDF : 1469489.0/75

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.667+/-0.000 χ^2/NDF : 17551980174.1/20

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.687+/-0.000 χ^2/NDF : 13219990406.7/18

Left: -1.677+/-0.000 χ^2/NDF : 30845563755.4/39

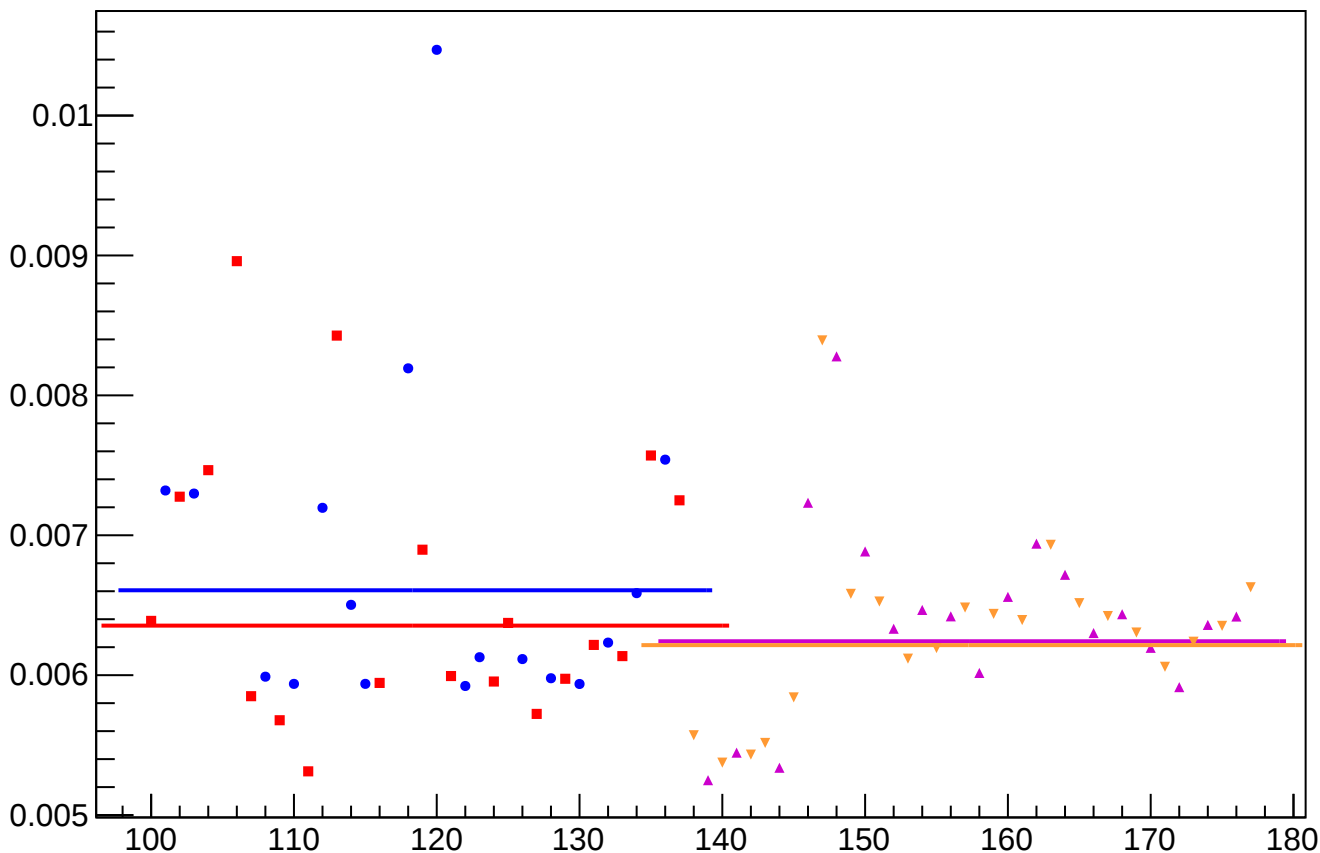
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.634+/-0.000 χ^2/NDF : 39397978701.6/35

Out: -1.650+/-0.000 χ^2/NDF : 45808011947.7/39

All: -1.642+/-0.000 χ^2/NDF : 85274850167.7/100

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 : 236971.9/20

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

Left In: 0.006+/-0.000 χ^2/NDF : 297131.5/18

Left: 0.006+/-0.000 χ^2/NDF : 534390.5/39

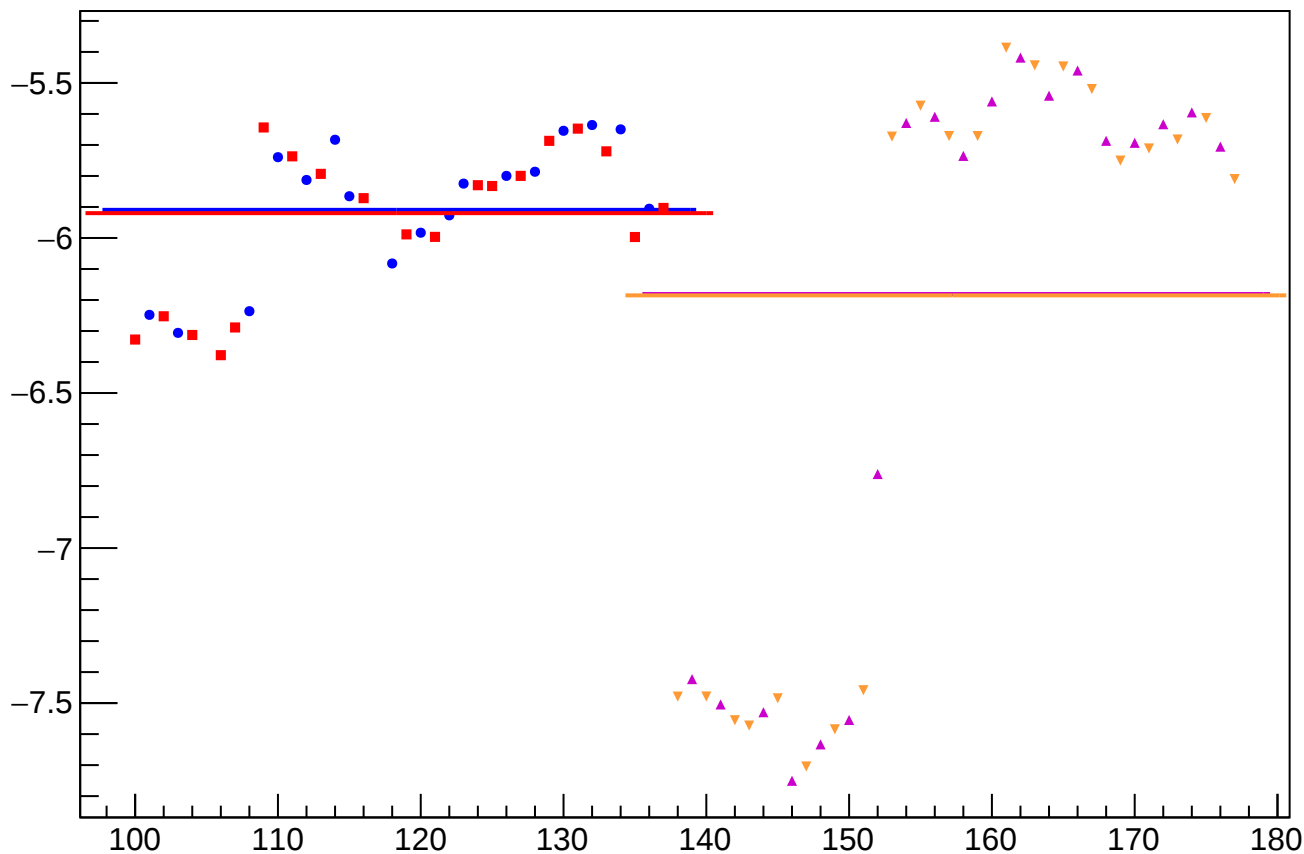
Right: 0.006+/-0.000 χ^2/NDF : 438183.3/35

In: 0.006+/-0.000 χ^2/NDF : 525003.6/35

Out: 0.006+/-0.000 χ^2/NDF : 468732.6/39

All: 0.006+/-0.000 χ^2/NDF : 997827.6/75

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.185+/-0.000 χ^2/NDF : 178934503494.4/20

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

Left In: -6.181+/-0.000 χ^2/NDF : 154713810182.1/18

Left: -6.183+/-0.000 χ^2/NDF : 333650422634.4/39

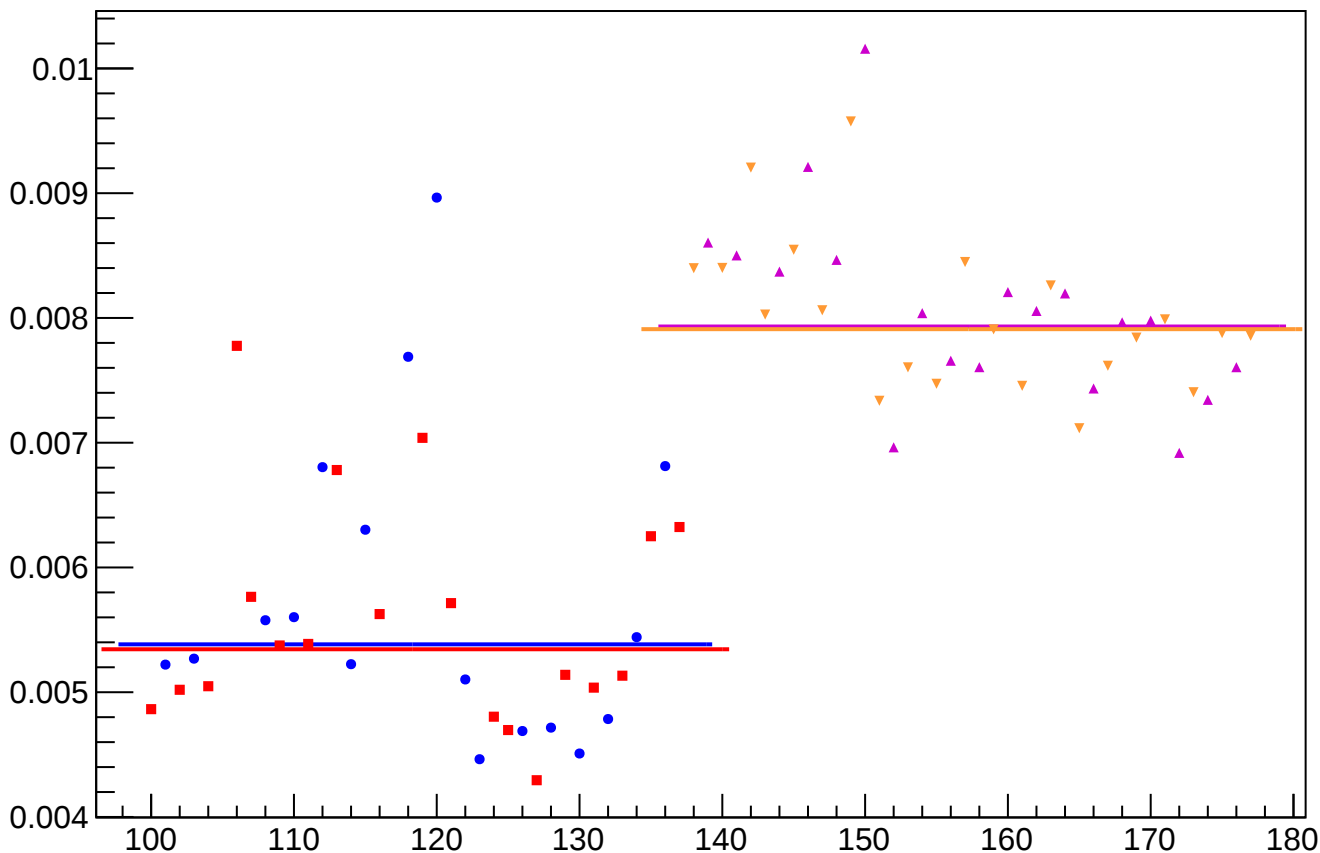
Right: -5.915+/-0.000 χ^2/NDF : 23922455242.5/35

In: -6.049+/-0.000 χ^2/NDF : 173484090472.9/35

Out: -6.054+/-0.000 χ^2/NDF : 199634117717.9/39

All: -6.051+/-0.000 χ^2/NDF : 373124171131.9

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :123700.6/20

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :203143.4/18

Left: 0.008+/-0.000 χ^2/NDF : 326943.1/39

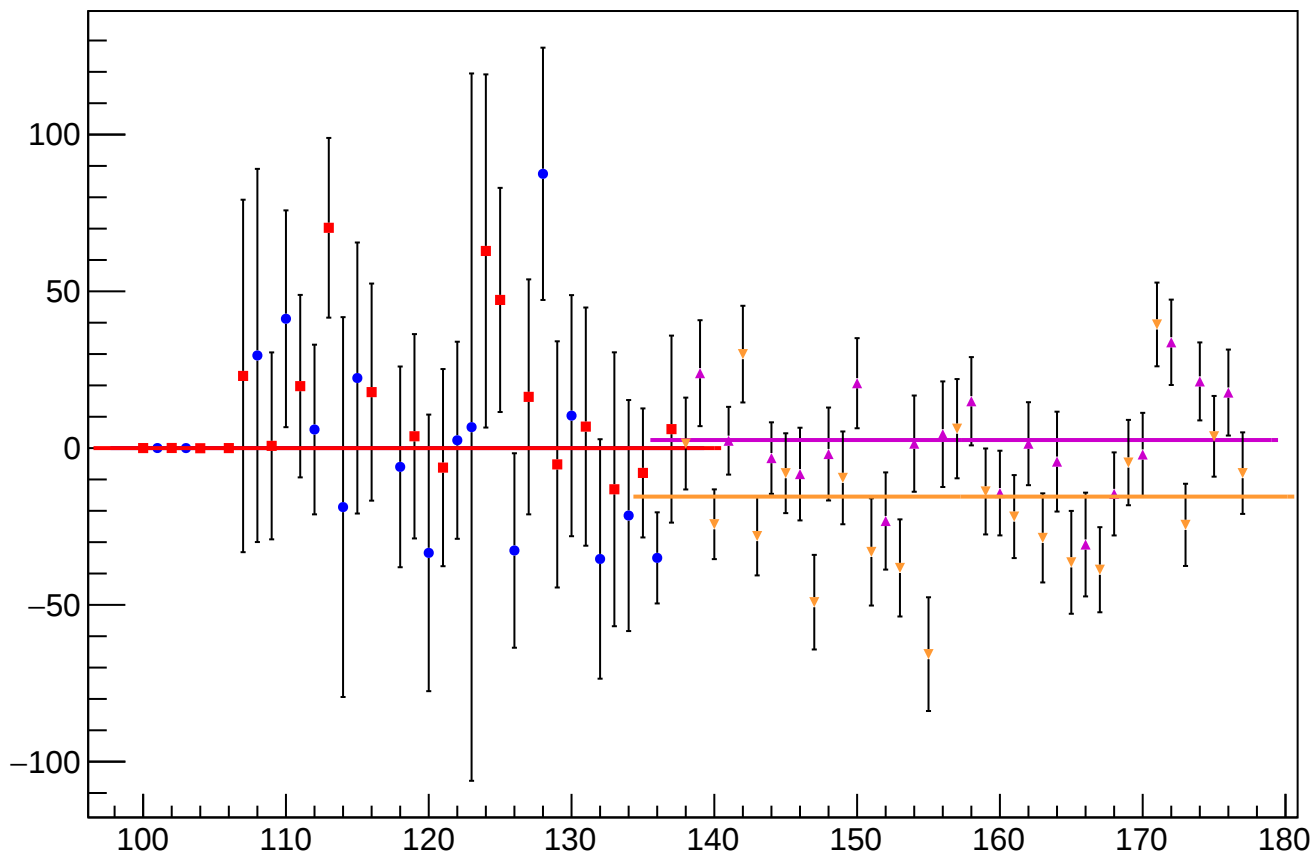
Right: 0.005+/-0.000 χ^2/NDF : 592657.5/35

In: 0.007+/-0.000 χ^2/NDF :1897724.6/35

Out: 0.007+/-0.000 χ^2/NDF :1850459.4/39

All: 0.007+/-0.000 χ^2/NDF : 3749314.5/75

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 15.8/16$

Left Out: -15.468 ± 3.058 $\chi^2/\text{NDF}: 56.2/20$

Right Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 15.3/18$

Left In: 2.577 ± 3.194 $\chi^2/\text{NDF}: 24.0/18$

Left: -6.837 ± 2.209 $\chi^2/\text{NDF}: 96.8/39$

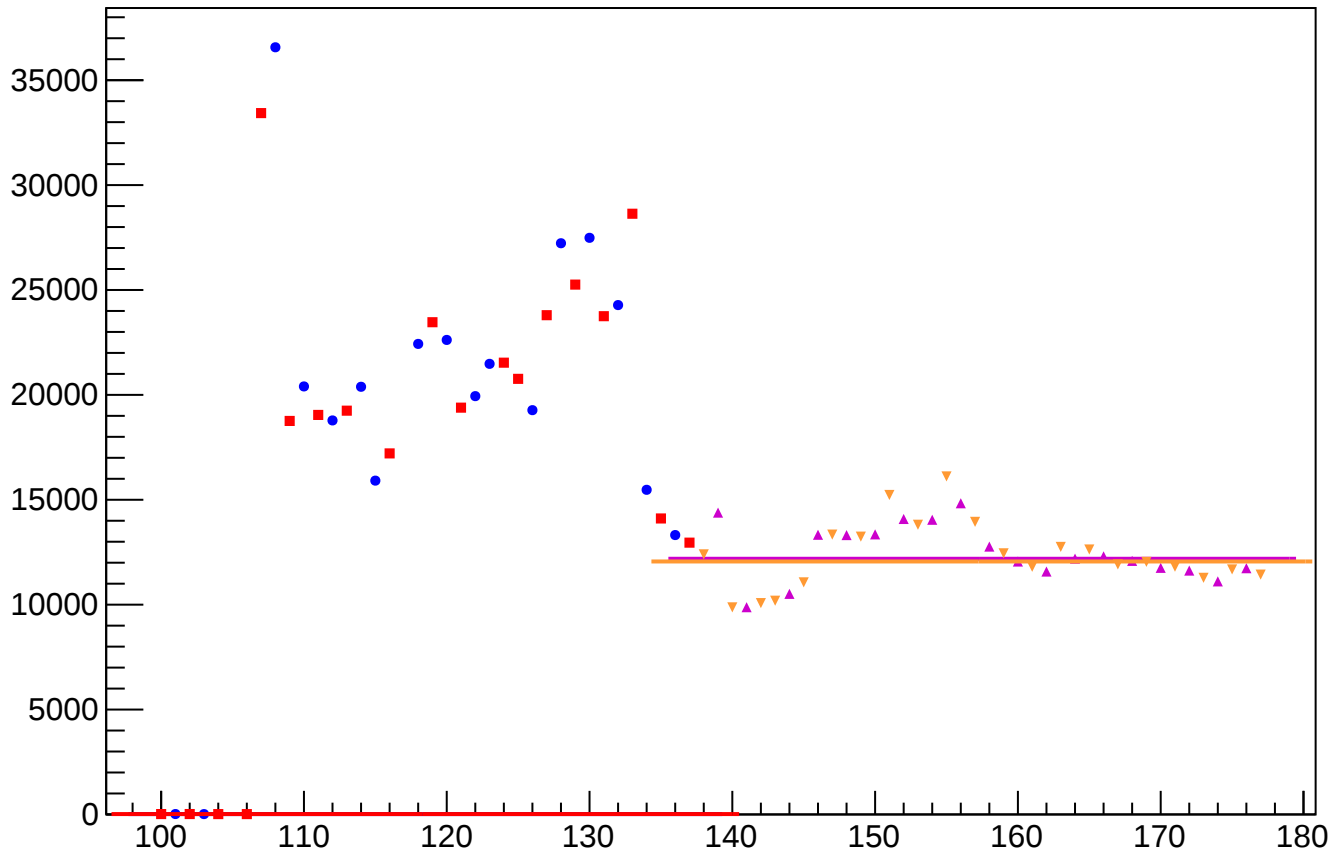
Right: 0.004 ± 0.012 $\chi^2/\text{NDF}: 31.6/35$

In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 40.4/35$

Out: -0.004 ± 0.016 $\chi^2/\text{NDF}: 97.1/39$

All: 0.004 ± 0.012 $\chi^2/\text{NDF}: 138.0/75$

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12058.869+/-2.162 χ^2/NDF : 441945.1/20

Right Out: 18.311+/-0.011 χ^2/NDF : 11103320.8/18

Left In: 12187.453+/-2.258 χ^2/NDF : 344294.0/18

Left: 12120.372+/-1.562 χ^2/NDF : 787930.6/39

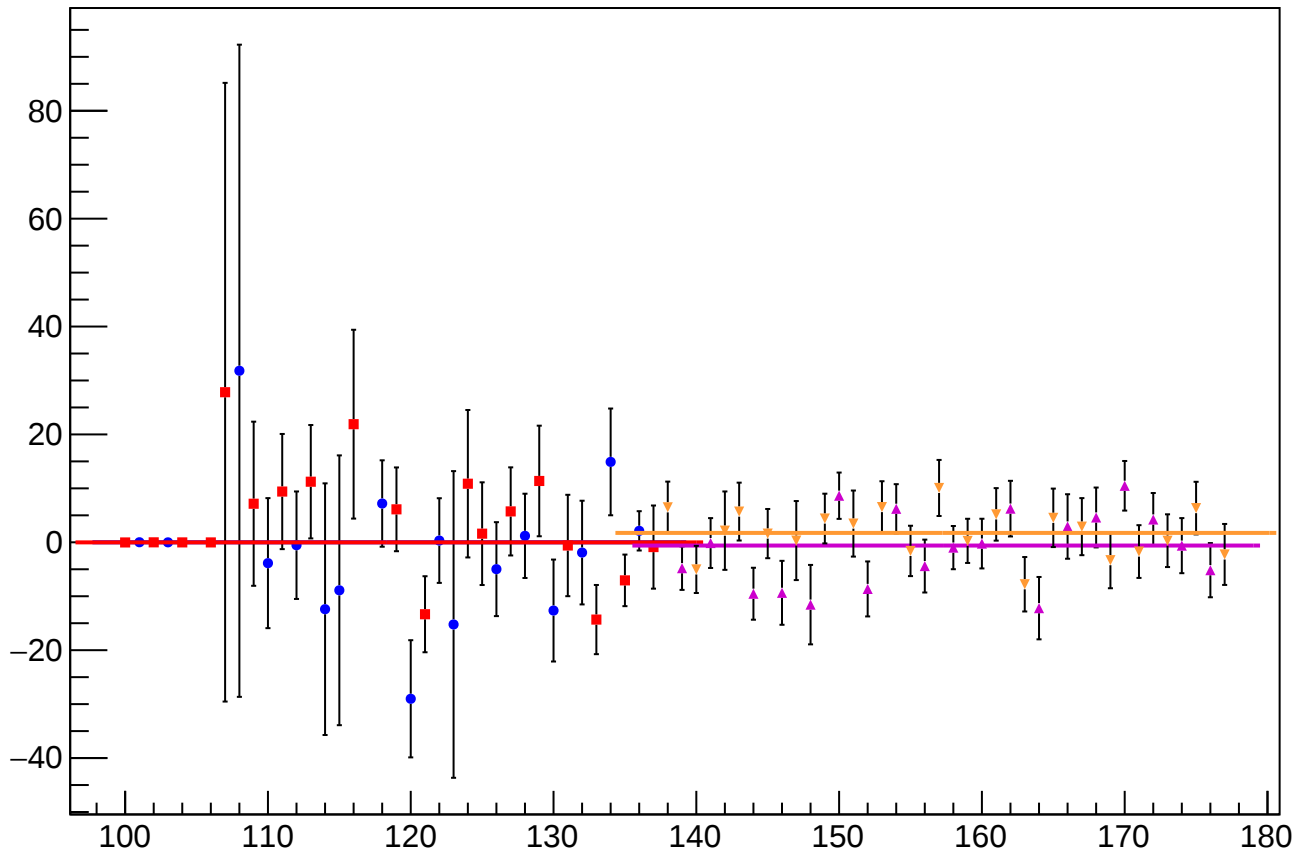
Right: 18.464+/-0.008 χ^2/NDF : 21945270.7/35

In: 18.999+/-0.012 χ^2/NDF : 40223245.6/35

Out: 18.644+/-0.011 χ^2/NDF : 42552282.1/39

All: 18.808+/-0.008 χ^2/NDF : 82775979.6/75

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 χ^2/NDF : 14.9/16

Left Out: 1.742 ± 1.103 χ^2/NDF : 15.9/20

Right Out: -0.014 ± 0.009 χ^2/NDF : 18.4/18

Left In: -0.601 ± 1.129 χ^2/NDF : 33.5/18

Left: 0.597 ± 0.789 χ^2/NDF : 51.6/39

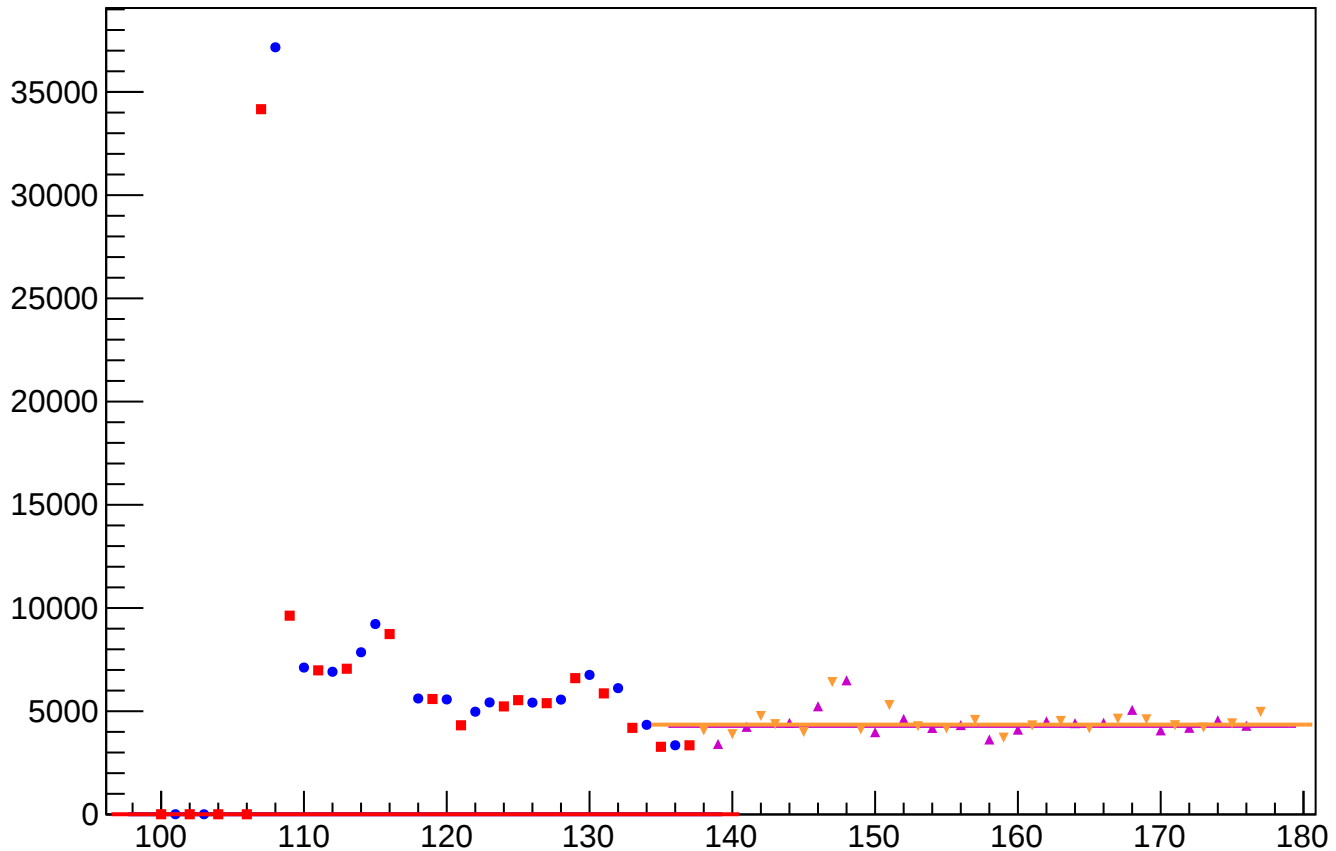
Right: -0.007 ± 0.006 χ^2/NDF : 34.7/35

In: 0.001 ± 0.009 χ^2/NDF : 48.7/35

Out: -0.014 ± 0.009 χ^2/NDF : 36.8/39

All: -0.007 ± 0.006 χ^2/NDF : 86.9/75

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 ± 0.007 χ^2/NDF : 10973577.1/16

Left Out: 4351.736 ± 0.780 χ^2/NDF : 355894.8/20

Right Out: 9.854 ± 0.006 χ^2/NDF : 11152667.7/18

Left In: 4290.691 ± 0.798 χ^2/NDF : 460752.1/18

Left: 4321.910 ± 0.558 χ^2/NDF : 819639.4/39

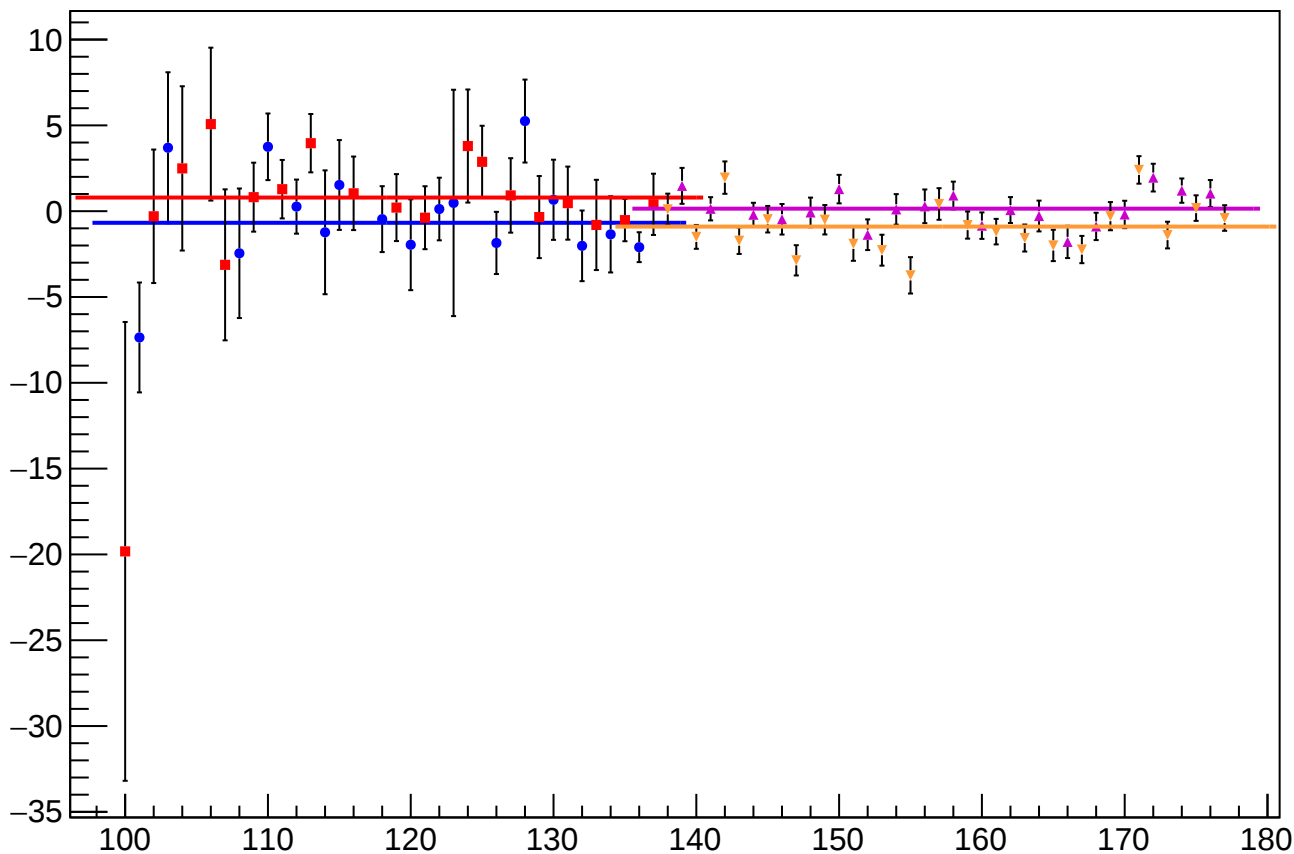
Right: 9.894 ± 0.004 χ^2/NDF : 22126332.7/35

In: 10.223 ± 0.007 χ^2/NDF : 40206915.8/35

Out: 10.121 ± 0.006 χ^2/NDF : 42492230.7/39

All: 10.169 ± 0.004 χ^2/NDF : 82699275.2/75

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -0.898 ± 0.180 $\chi^2/\text{NDF}: 55.9/20$

Right Out: 0.795 ± 0.501 $\chi^2/\text{NDF}: 12.0/18$

Left In: 0.147 ± 0.188 $\chi^2/\text{NDF}: 24.6/18$

Left: -0.397 ± 0.130 $\chi^2/\text{NDF}: 96.6/39$

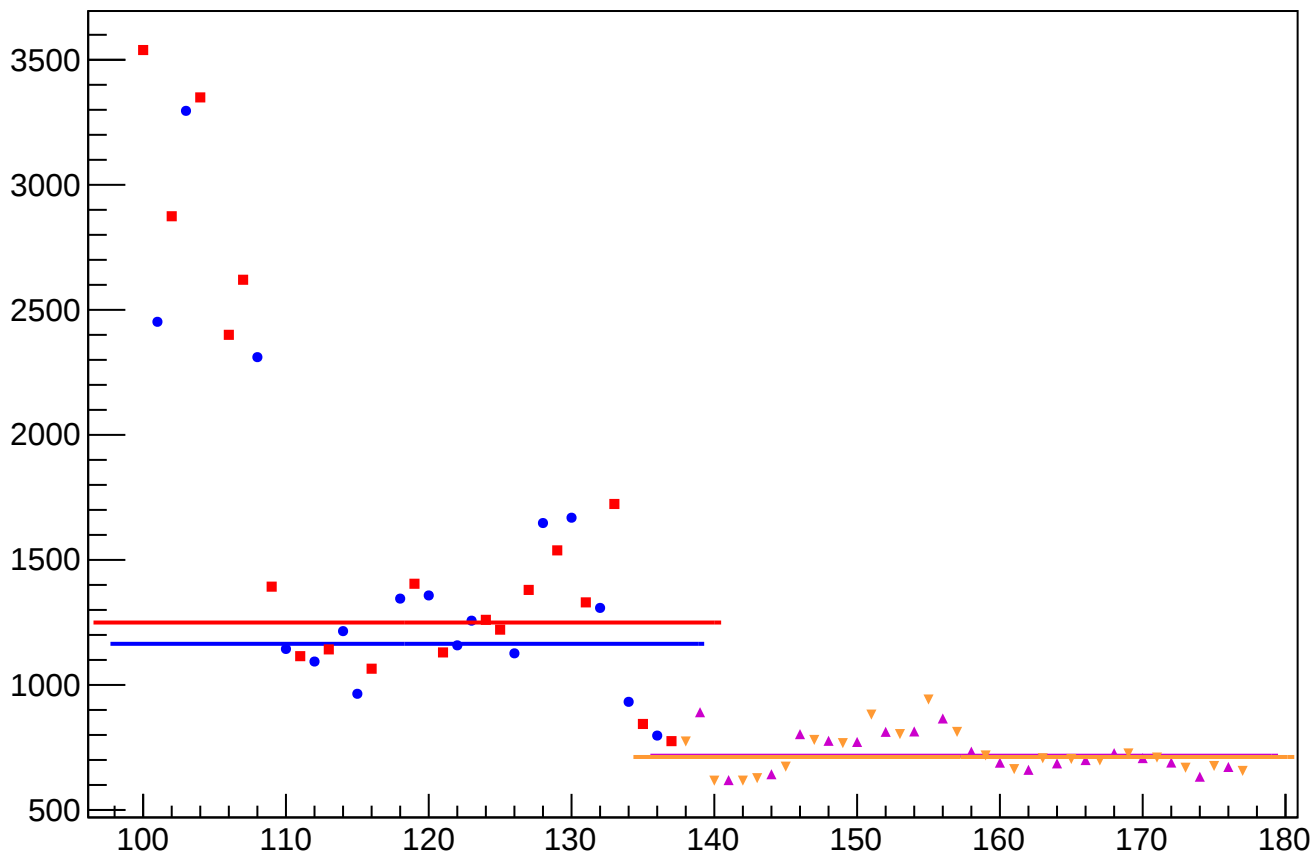
Right: 0.033 ± 0.348 $\chi^2/\text{NDF}: 38.7/35$

In: 0.040 ± 0.175 $\chi^2/\text{NDF}: 49.4/35$

Out: -0.705 ± 0.170 $\chi^2/\text{NDF}: 78.0/39$

All: -0.344 ± 0.122 $\chi^2/\text{NDF}: 136.7/75$

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 ± 0.342 $\chi^2/\text{NDF}: 1584212.9/16$

Left Out: 711.900 ± 0.127 $\chi^2/\text{NDF}: 344806.2/20$

Right Out: 1249.596 ± 0.354 $\chi^2/\text{NDF}: 1650133.1/18$

Left In: 717.026 ± 0.133 $\chi^2/\text{NDF}: 304151.8/18$

Left: 714.358 ± 0.092 $\chi^2/\text{NDF}: 649734.3/39$

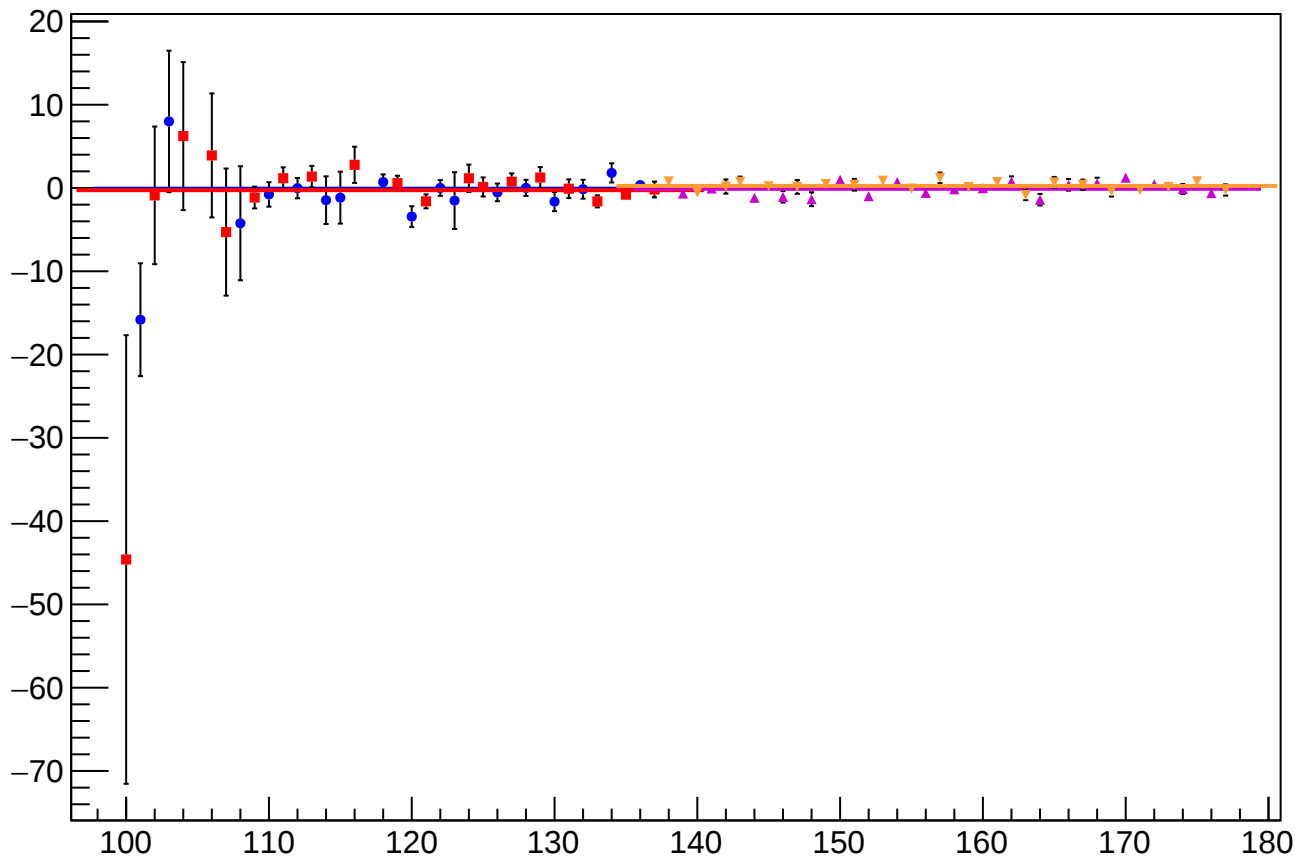
Right: 1205.546 ± 0.246 $\chi^2/\text{NDF}: 3264193.7/35$

In: 775.500 ± 0.124 $\chi^2/\text{NDF}: 3373357.0/35$

Out: 773.418 ± 0.120 $\chi^2/\text{NDF}: 4032711.4/39$

All: 774.426 ± 0.086 $\chi^2/\text{NDF}: 7406214.4/75$

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.251 ± 0.132 χ^2/NDF : 15.5/20

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

Left In: -0.096 ± 0.136 χ^2/NDF : 33.0/18

Left: 0.082 ± 0.095 χ^2/NDF : 51.8/39

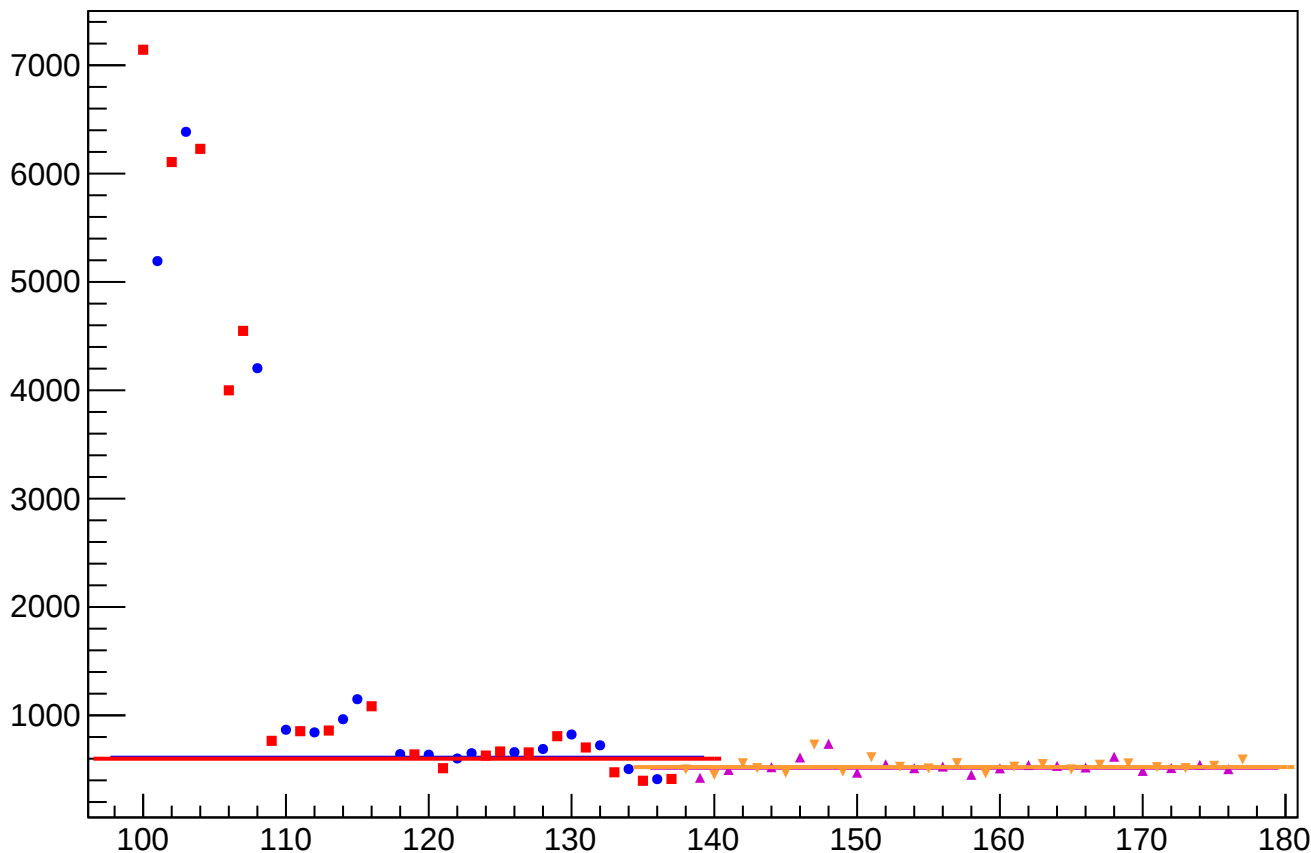
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.094 ± 0.121 χ^2/NDF : 54.0/35

Out: 0.149 ± 0.118 χ^2/NDF : 38.9/39

All: 0.031 ± 0.085 χ^2/NDF : 95.0/75

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 522.486+/-0.094 χ^2/NDF : 305707.3/20

Right Out: 599.910+/-0.187 χ^2/NDF : 3547599.8/18

Left In: 516.477+/-0.096 χ^2/NDF : 367331.0/18

Left: 519.556+/-0.067 χ^2/NDF : 675050.6/39

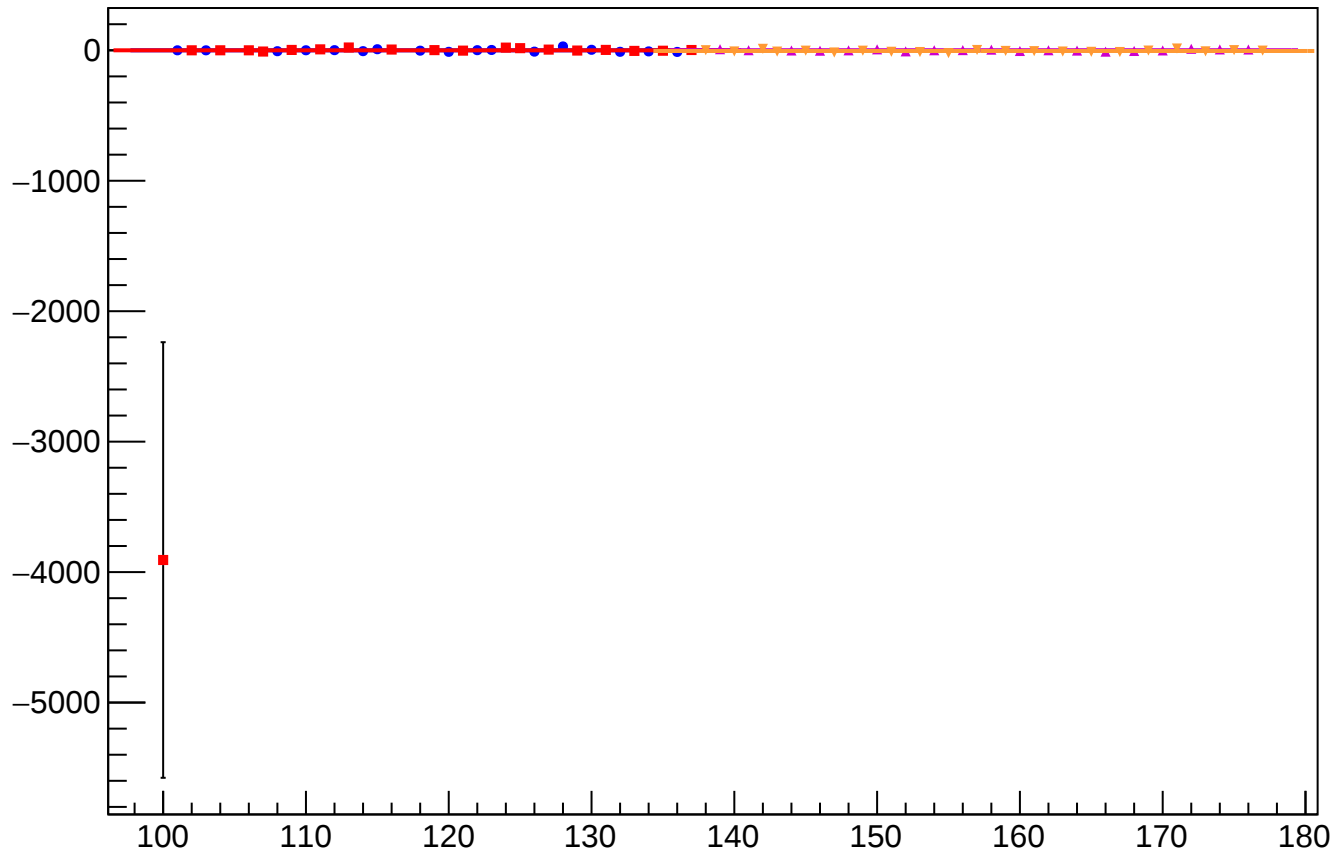
Right: 604.364+/-0.134 χ^2/NDF : 6687992.0/35

In: 535.098+/-0.086 χ^2/NDF : 3694011.0/35

Out: 537.995+/-0.084 χ^2/NDF : 3990517.2/39

All: 536.581+/-0.060 χ^2/NDF : 7685113.6/75

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -5.172 ± 1.048 χ^2/NDF : 55.8/20

Right Out: 0.027 ± 0.020 χ^2/NDF : 17.3/18

Left In: 0.907 ± 1.094 χ^2/NDF : 24.7/18

Left: -2.261 ± 0.757 χ^2/NDF : 96.6/39

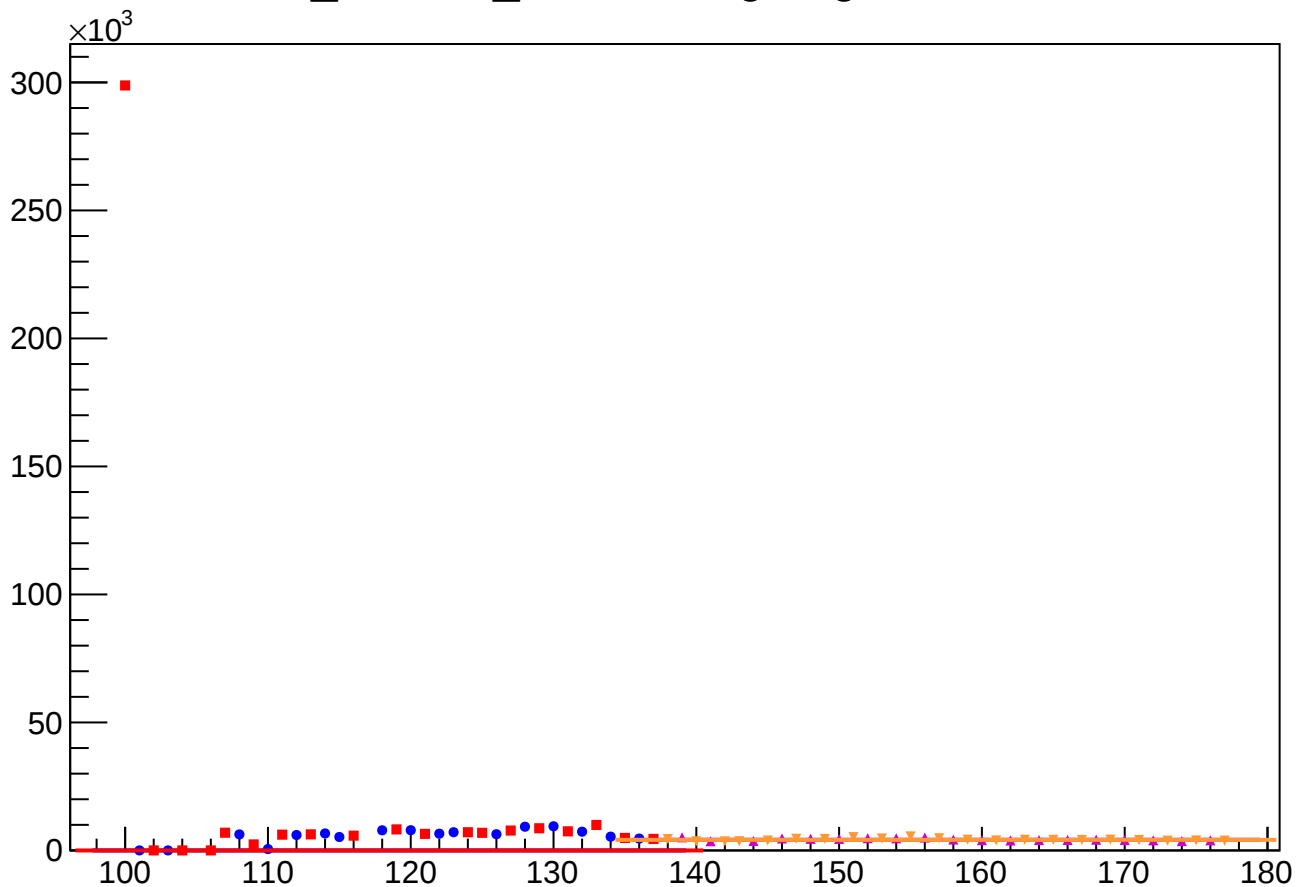
Right: 0.004 ± 0.014 χ^2/NDF : 35.4/35

In: -0.021 ± 0.021 χ^2/NDF : 40.7/35

Out: 0.025 ± 0.020 χ^2/NDF : 97.7/39

All: 0.003 ± 0.014 χ^2/NDF : 140.9/75

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 ± 0.015 $\chi^2/\text{NDF}: 10359409.4/16$

Left Out: 4140.220 ± 0.741 $\chi^2/\text{NDF}: 365837.0/20$

Right Out: 17.268 ± 0.014 $\chi^2/\text{NDF}: 10813350.8/18$

Left In: 4176.779 ± 0.773 $\chi^2/\text{NDF}: 313814.3/18$

Left: 4157.726 ± 0.535 $\chi^2/\text{NDF}: 680816.0/39$

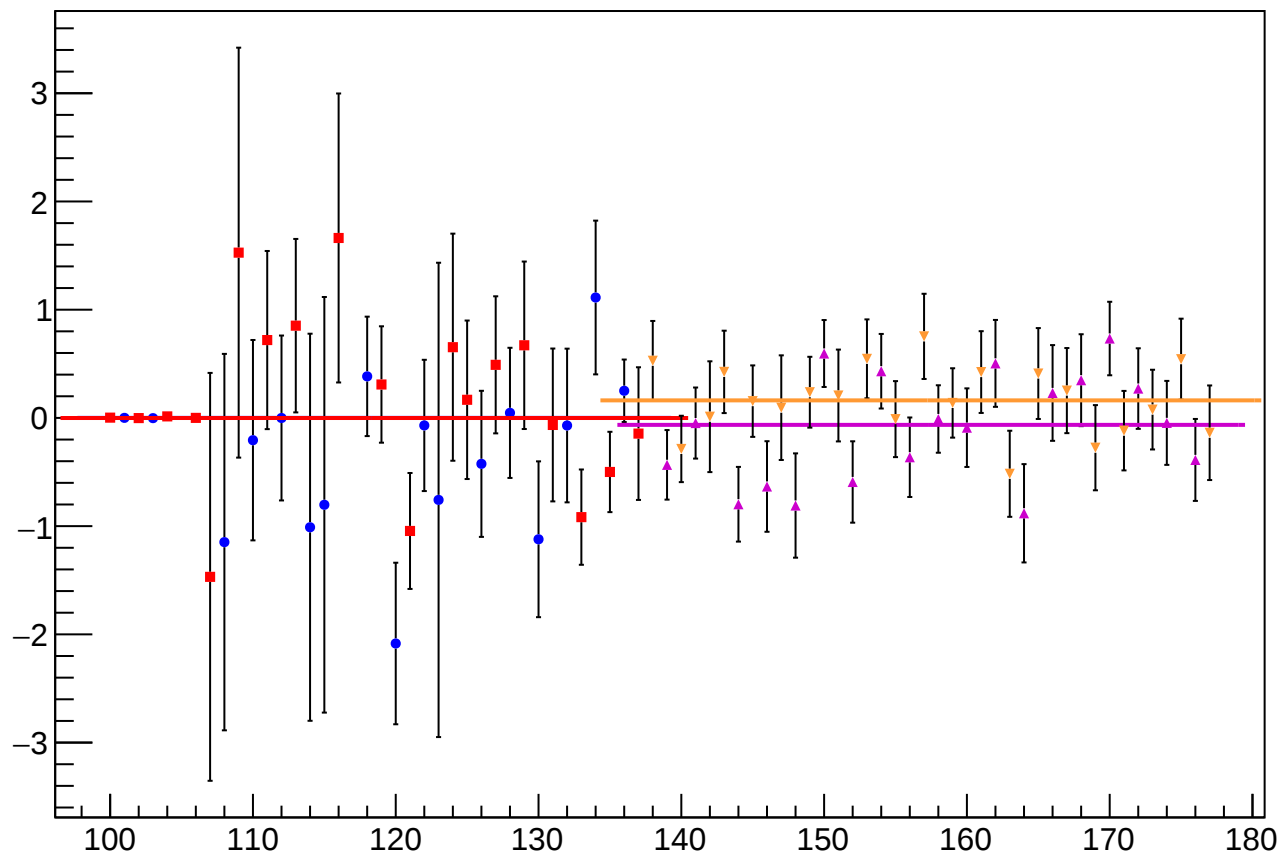
Right: 17.301 ± 0.010 $\chi^2/\text{NDF}: 21172771.7/35$

In: 18.840 ± 0.015 $\chi^2/\text{NDF}: 39592128.4/35$

Out: 18.735 ± 0.014 $\chi^2/\text{NDF}: 42106050.5/39$

All: 18.785 ± 0.010 $\chi^2/\text{NDF}: 81698205.7/75$

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2/NDF : 15.6/16

Left Out: 0.162 $\pm$ 0.082 χ^2/NDF : 14.6/20

Right Out: -0.001 $\pm$ 0.002 χ^2/NDF : 17.8/18

Left In: -0.064 $\pm$ 0.085 χ^2/NDF : 33.1/18

Left: 0.052 $\pm$ 0.059 χ^2/NDF : 51.3/39

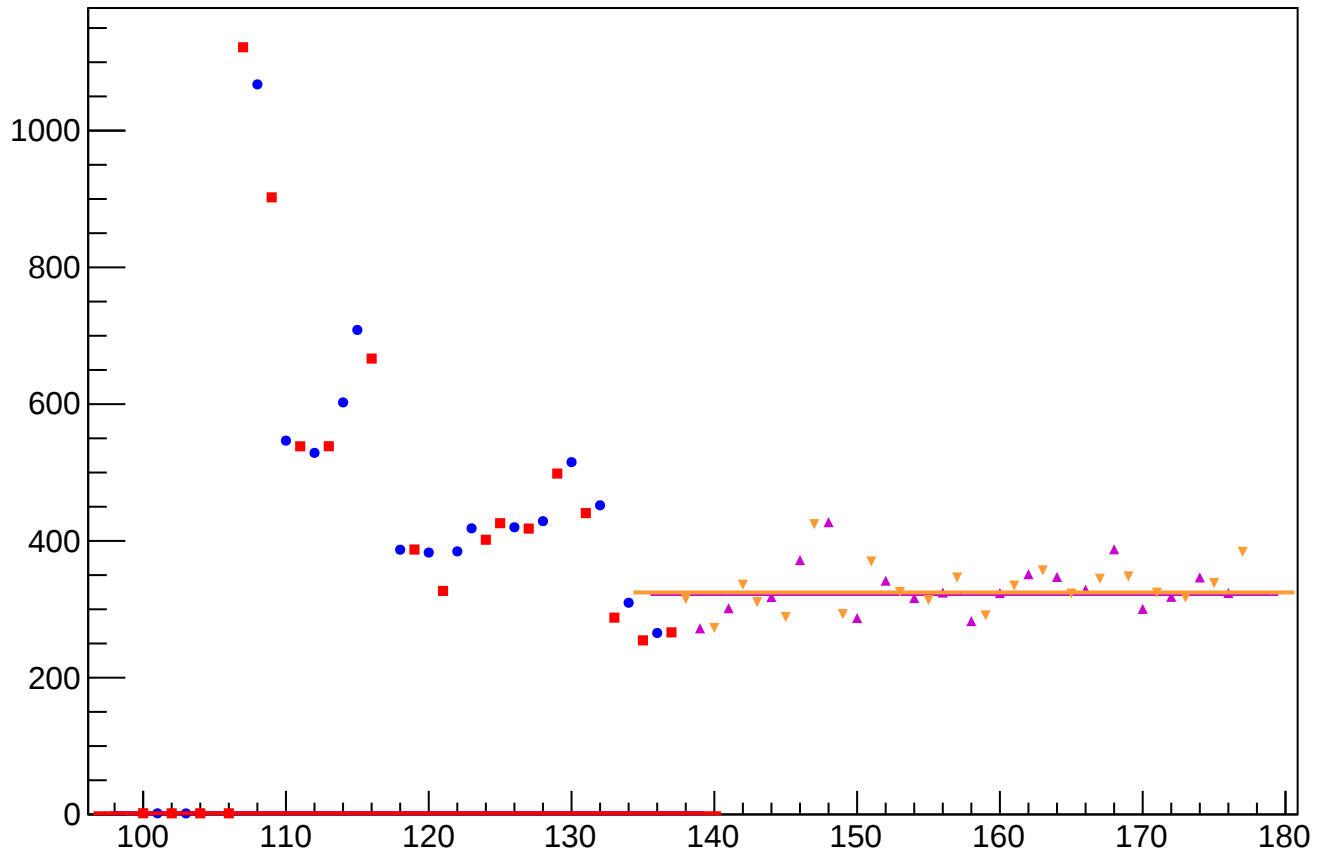
Right: -0.000 $\pm$ 0.001 χ^2/NDF : 33.6/35

In: 0.000 $\pm$ 0.002 χ^2/NDF : 49.3/35

Out: -0.001 $\pm$ 0.002 χ^2/NDF : 36.3/39

All: -0.000 $\pm$ 0.001 χ^2/NDF : 85.7/75

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 324.636 $\pm$ 0.058 χ^2 /NDF:310521.8/20

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

Left In: 322.436 $\pm$ 0.060 χ^2 /NDF:324987.4/18

Left: 323.567 $\pm$ 0.042 χ^2 /NDF: 636205.6/39

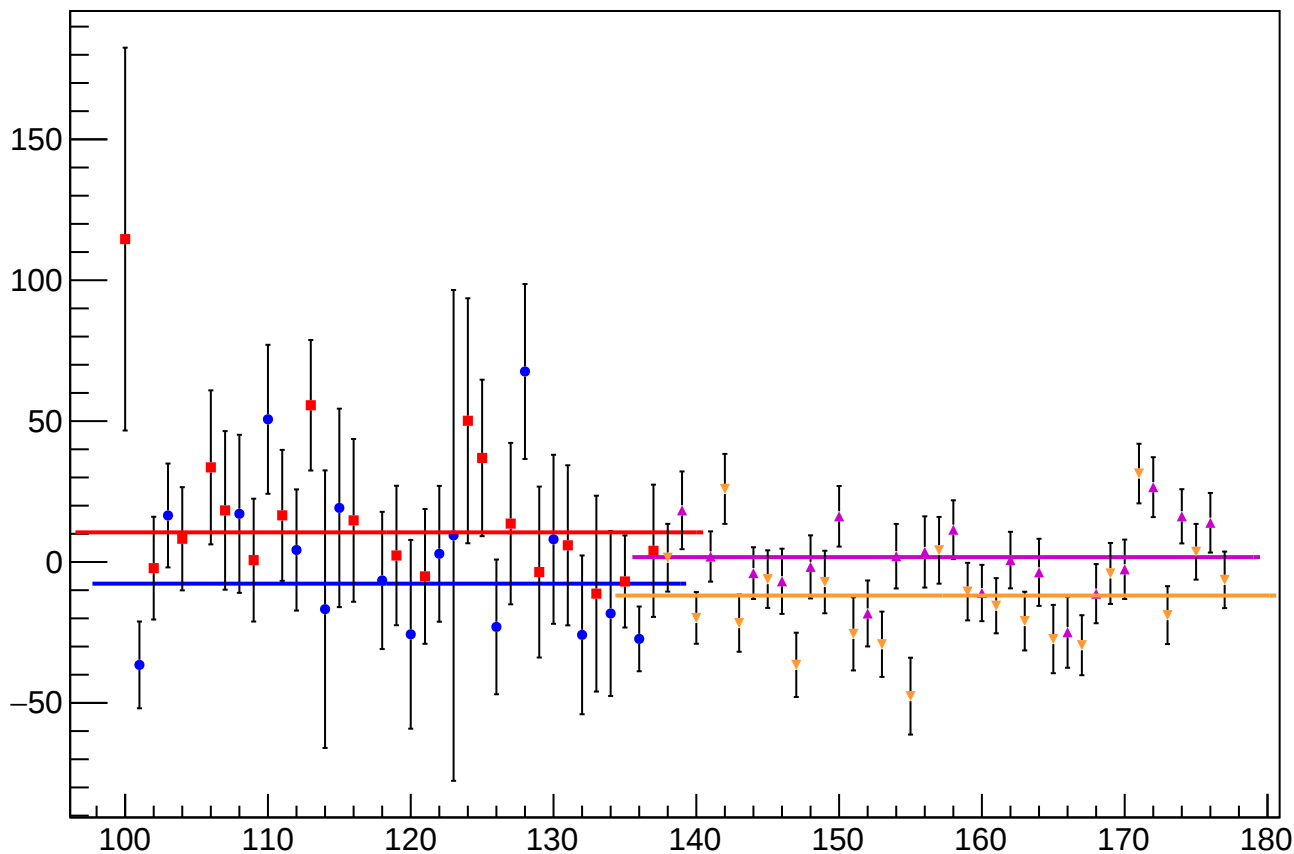
Right: 1.714 $\pm$ 0.001 χ^2 /NDF: 21648518.8/35

In: 1.882 $\pm$ 0.001 χ^2 /NDF:39988300.3/35

Out: 1.908 $\pm$ 0.001 χ^2 /NDF:41891368.4/39

All: 1.896 $\pm$ 0.001 χ^2 /NDF: 81879835.4/75

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -11.894 ± 2.369 χ^2/NDF : 55.2/20

Right Out: 10.524 ± 5.682 χ^2/NDF : 11.9/18

Left In: 1.731 ± 2.468 χ^2/NDF : 25.1/18

Left: -5.362 ± 1.709 χ^2/NDF : 96.2/39

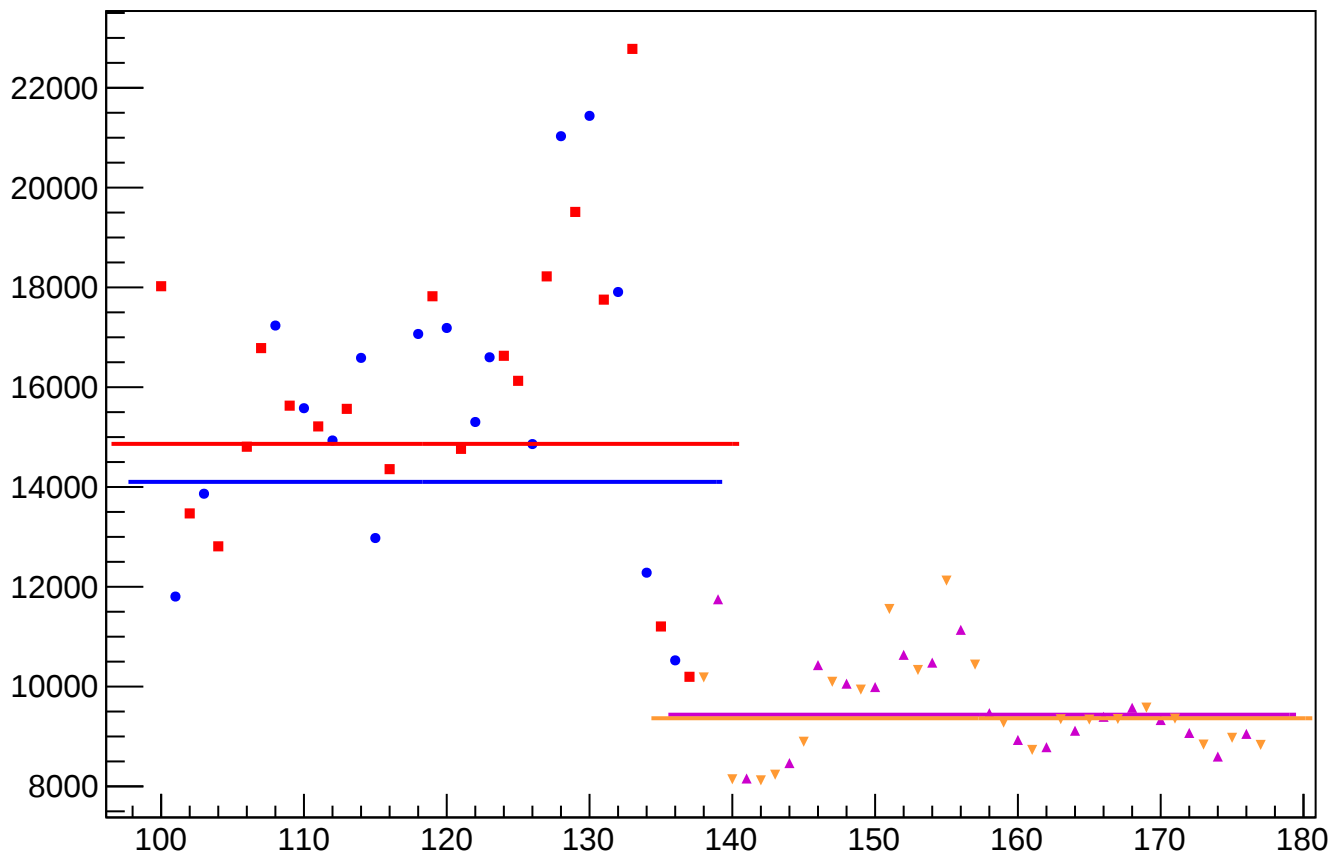
Right: 1.332 ± 3.998 χ^2/NDF : 39.4/35

In: 0.212 ± 2.261 χ^2/NDF : 49.8/35

Out: -8.575 ± 2.186 χ^2/NDF : 80.3/39

All: -4.328 ± 1.572 χ^2/NDF : 137.9/75

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 +/- 3.979 χ^2/NDF : 598934.8/16

Left Out: 9365.132 +/- 1.675 χ^2/NDF : 300190.8/20

Right Out: 14864.163 +/- 4.018 χ^2/NDF : 470280.3/18

Left In: 9436.431 +/- 1.745 χ^2/NDF : 255562.6/18

Left: 9399.310 +/- 1.208 χ^2/NDF : 556622.2/39

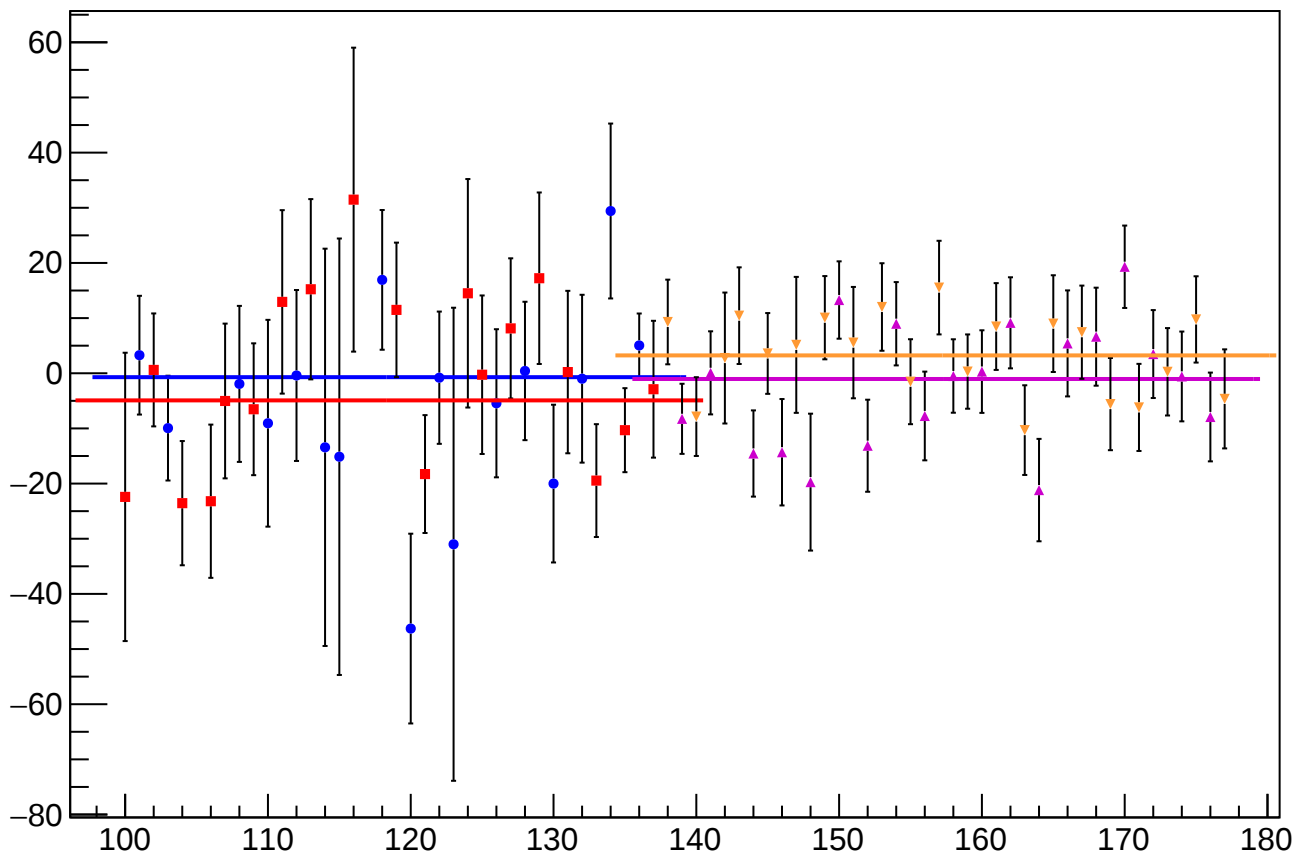
Right: 14479.636 +/- 2.827 χ^2/NDF : 1087356.3/35

In: 10189.412 +/- 1.598 χ^2/NDF : 2007735.1/35

Out: 10179.150 +/- 1.546 χ^2/NDF : 2366302.3/39

All: 10184.110 +/- 1.111 χ^2/NDF : 4374058.7/77

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 $\chi^2/\text{NDF}: 17.6/16$

Left Out: 3.238 ± 1.792 $\chi^2/\text{NDF}: 16.6/20$

Right Out: -4.918 ± 2.940 $\chi^2/\text{NDF}: 19.8/18$

Left In: -1.038 ± 1.832 $\chi^2/\text{NDF}: 33.1/18$

Left: 1.147 ± 1.281 $\chi^2/\text{NDF}: 52.5/39$

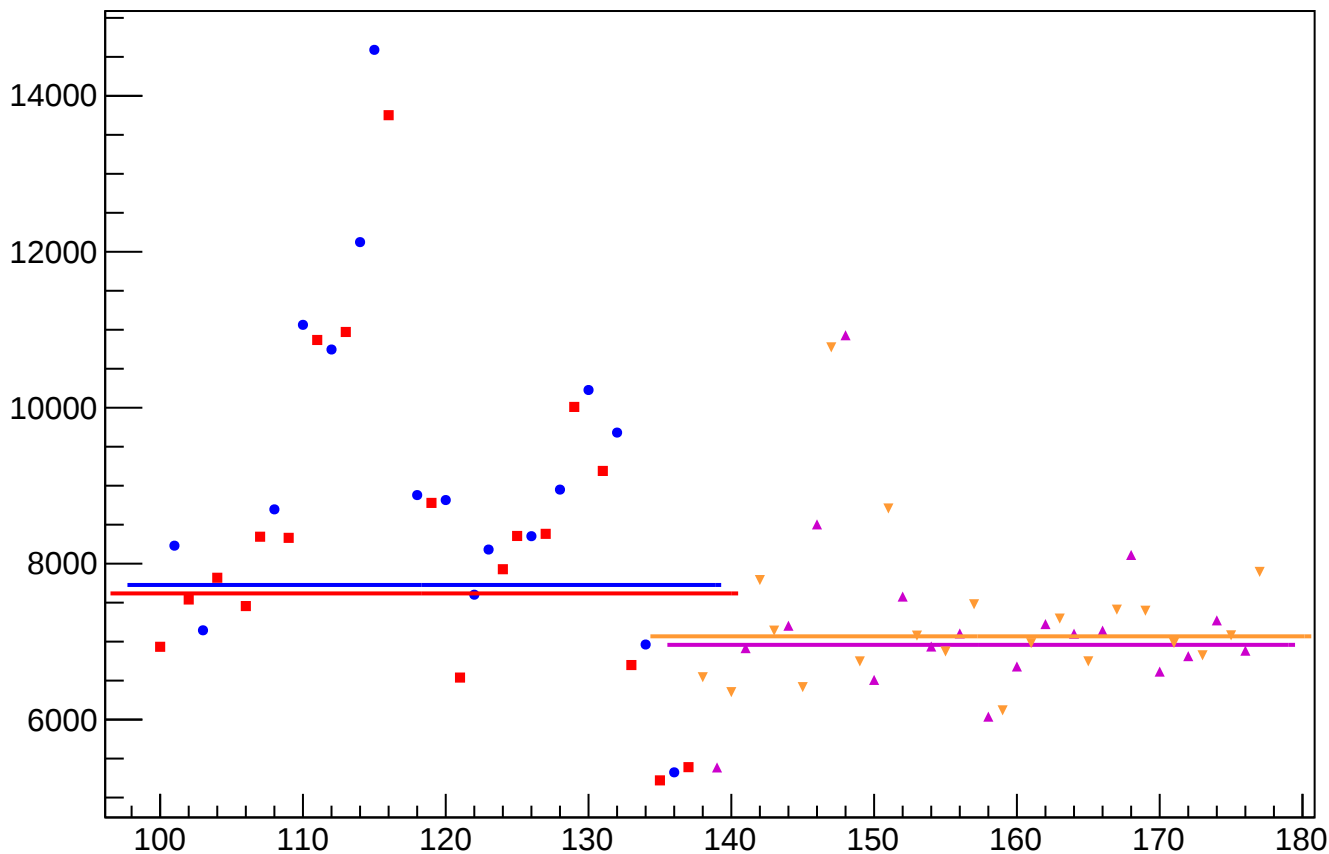
Right: -2.914 ± 2.128 $\chi^2/\text{NDF}: 38.3/35$

In: -0.952 ± 1.575 $\chi^2/\text{NDF}: 50.7/35$

Out: 1.028 ± 1.530 $\chi^2/\text{NDF}: 41.9/39$

All: 0.066 ± 1.097 $\chi^2/\text{NDF}: 93.4/75$

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7067.894+/-1.267 χ^2/NDF : 365761.6/20

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

Left In: 6958.507+/-1.295 χ^2/NDF : 486472.4/18

Left: 7014.390+/-0.906 χ^2/NDF : 855878.1/39

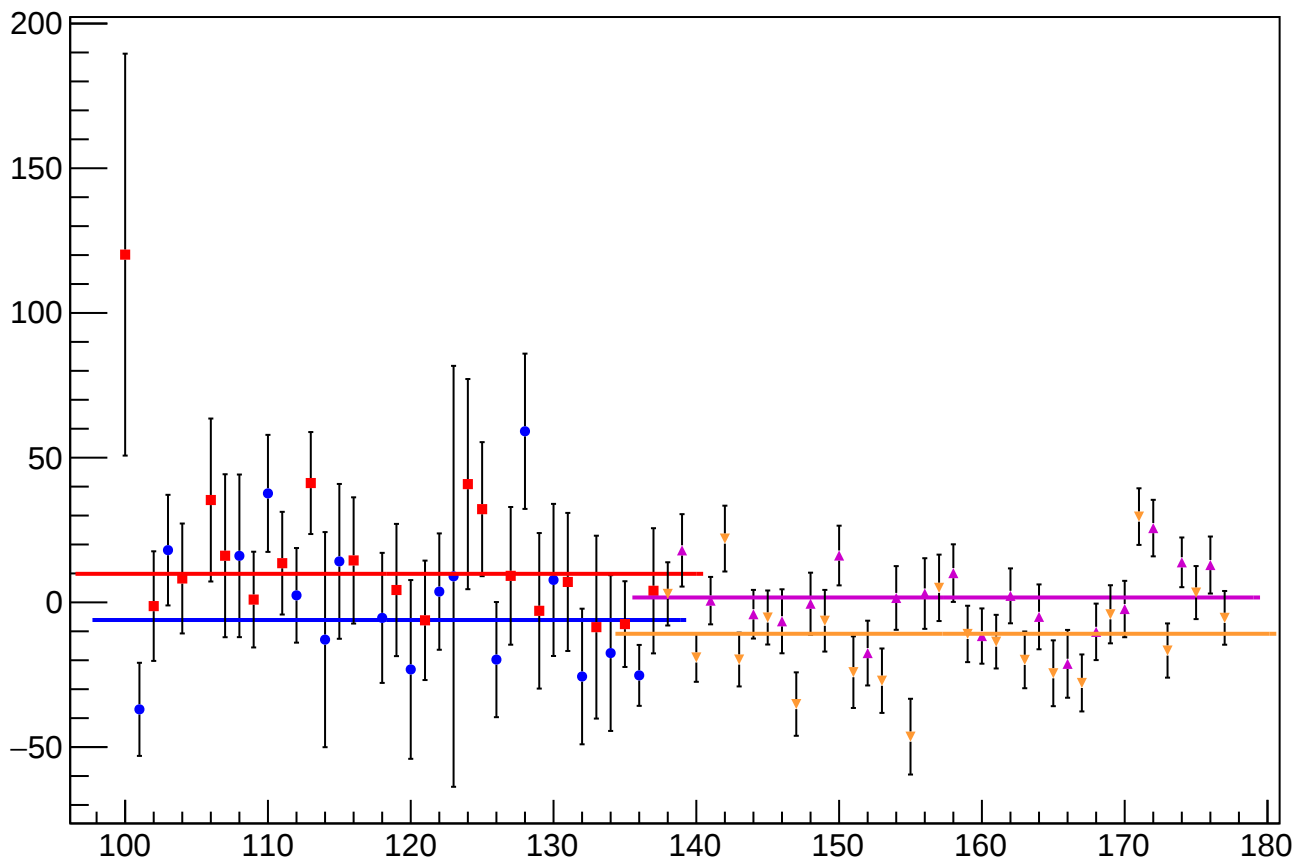
Right: 7669.883+/-1.504 χ^2/NDF : 1418936.4/35

In: 7158.880+/-1.114 χ^2/NDF : 1320750.8/35

Out: 7217.028+/-1.082 χ^2/NDF : 1091986.7/39

All: 7188.787+/-0.776 χ^2/NDF : 2414140.0/75

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -10.851 ± 2.212 $\chi^2/\text{NDF}: 55.9/20$

Right Out: 9.864 ± 5.004 $\chi^2/\text{NDF}: 11.6/18$

Left In: 1.691 ± 2.309 $\chi^2/\text{NDF}: 25.5/18$

Left: -4.850 ± 1.598 $\chi^2/\text{NDF}: 96.8/39$

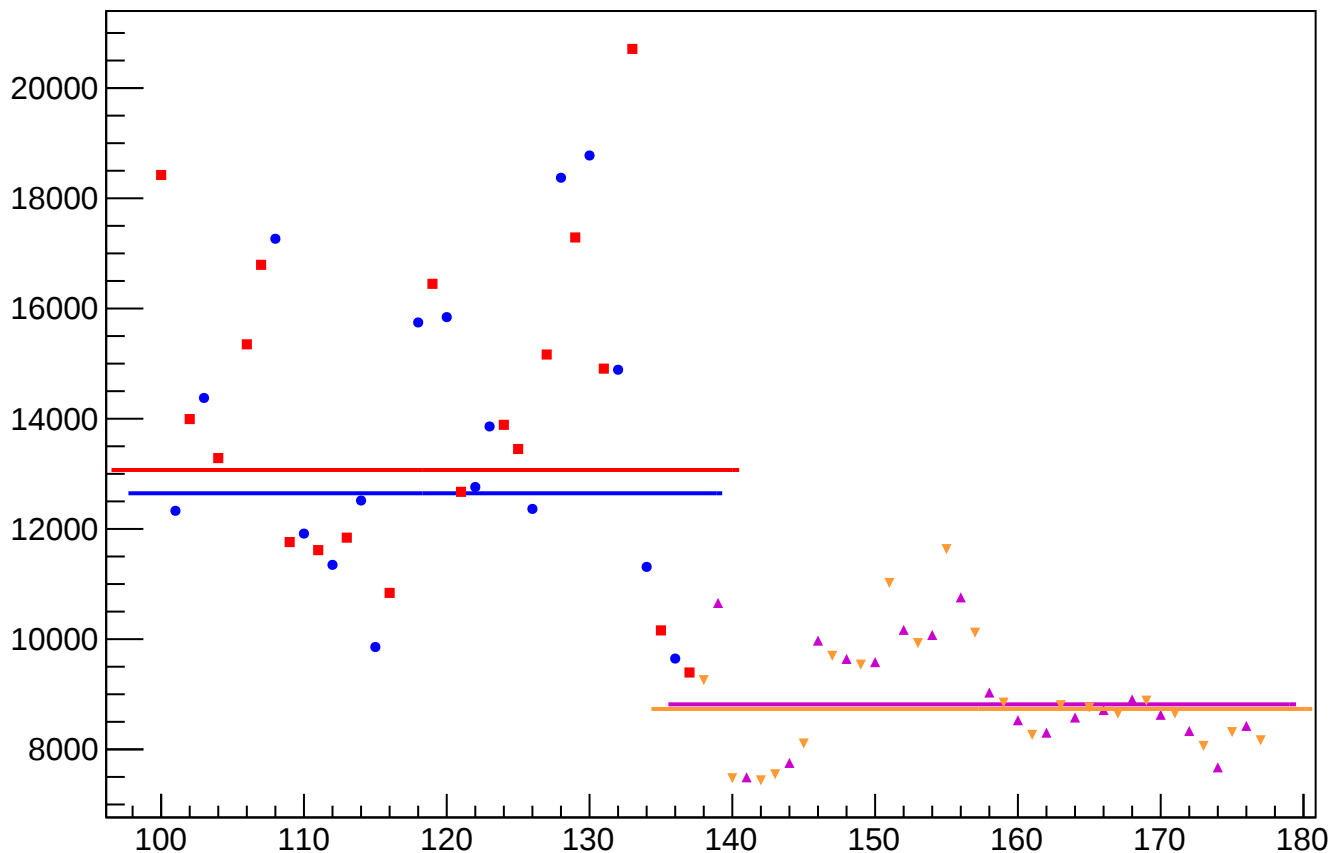
Right: 1.934 ± 3.549 $\chi^2/\text{NDF}: 39.6/35$

In: 0.338 ± 2.099 $\chi^2/\text{NDF}: 50.4/35$

Out: -7.464 ± 2.023 $\chi^2/\text{NDF}: 81.9/39$

All: -3.707 ± 1.457 $\chi^2/\text{NDF}: 139.5/75$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8733.332+/-1.564 χ^2/NDF : 390277.1/20

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

Left In: 8817.441+/-1.633 χ^2/NDF : 332202.2/18

Left: 8773.577+/-1.130 χ^2/NDF : 723862.7/39

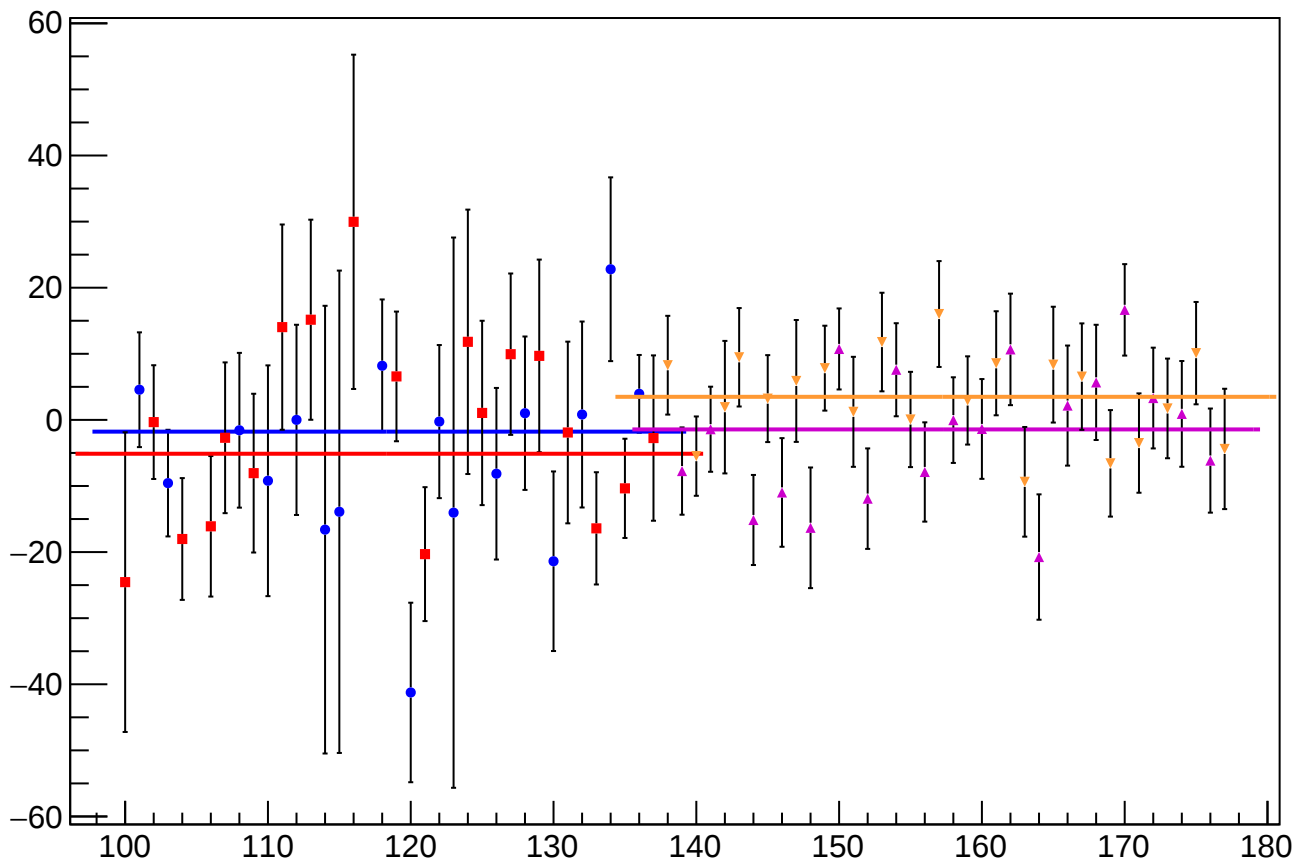
Right: 12859.864+/-2.509 χ^2/NDF : 1057685.3/35

In: 9483.427+/-1.484 χ^2/NDF : 1842940.3/35

Out: 9442.409+/-1.431 χ^2/NDF : 2143266.4/39

All: 9462.164+/-1.030 χ^2/NDF : 3986602.6/75

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 3.491 ± 1.664 χ^2/NDF : 15.1/20

Right Out: -5.122 ± 2.642 χ^2/NDF : 18.9/18

Left In: -1.442 ± 1.718 χ^2/NDF : 31.9/18

Left: 1.103 ± 1.195 χ^2/NDF : 51.2/39

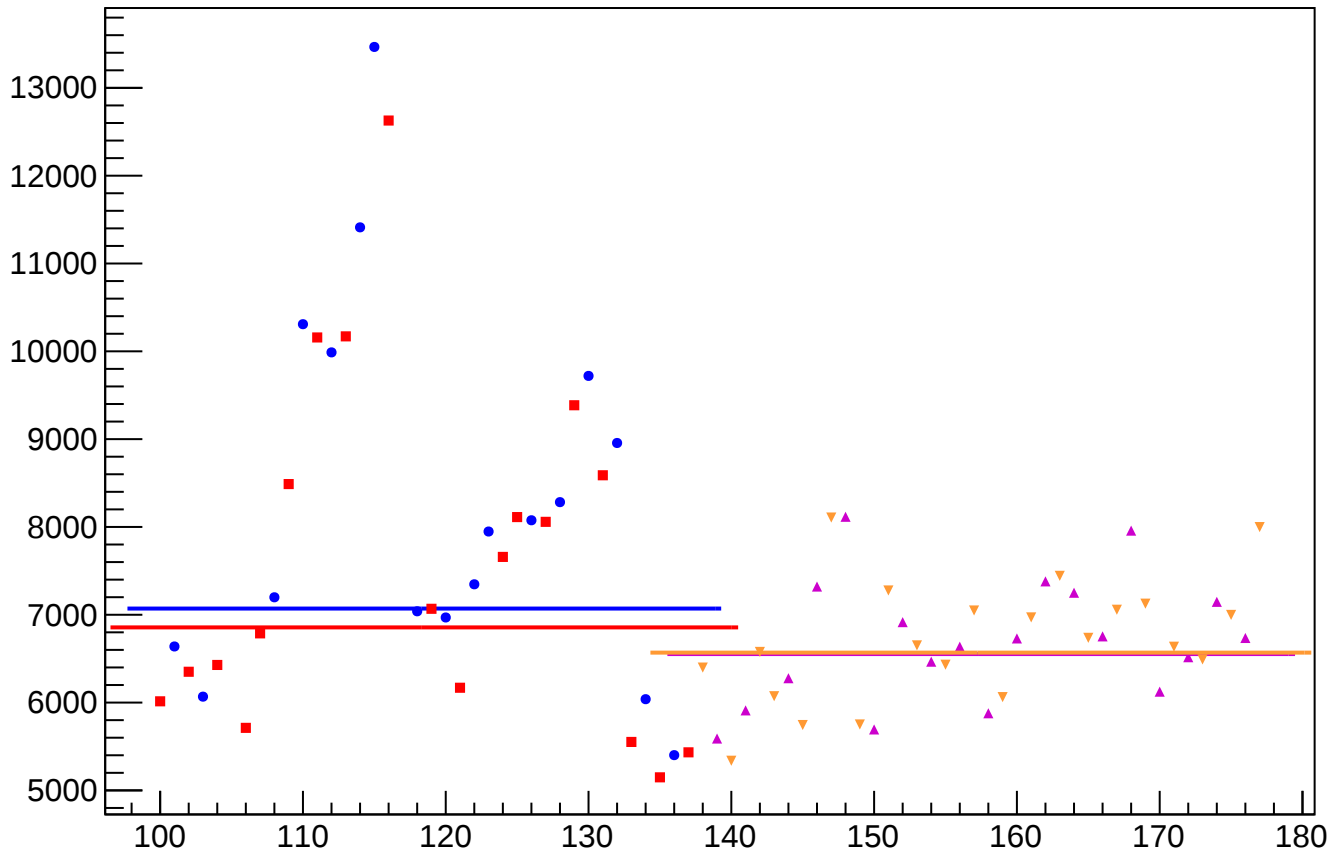
Right: -3.550 ± 1.923 χ^2/NDF : 37.6/35

In: -1.533 ± 1.465 χ^2/NDF : 49.9/35

Out: 1.044 ± 1.408 χ^2/NDF : 41.6/39

All: -0.194 ± 1.015 χ^2/NDF : 93.1/75

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6568.937 $\pm$ 1.177 χ^2 /NDF: 348673.8/20

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

Left In: 6552.476 $\pm$ 1.215 χ^2 /NDF: 311779.3/18

Left: 6560.967 $\pm$ 0.845 χ^2 /NDF: 660547.9/39

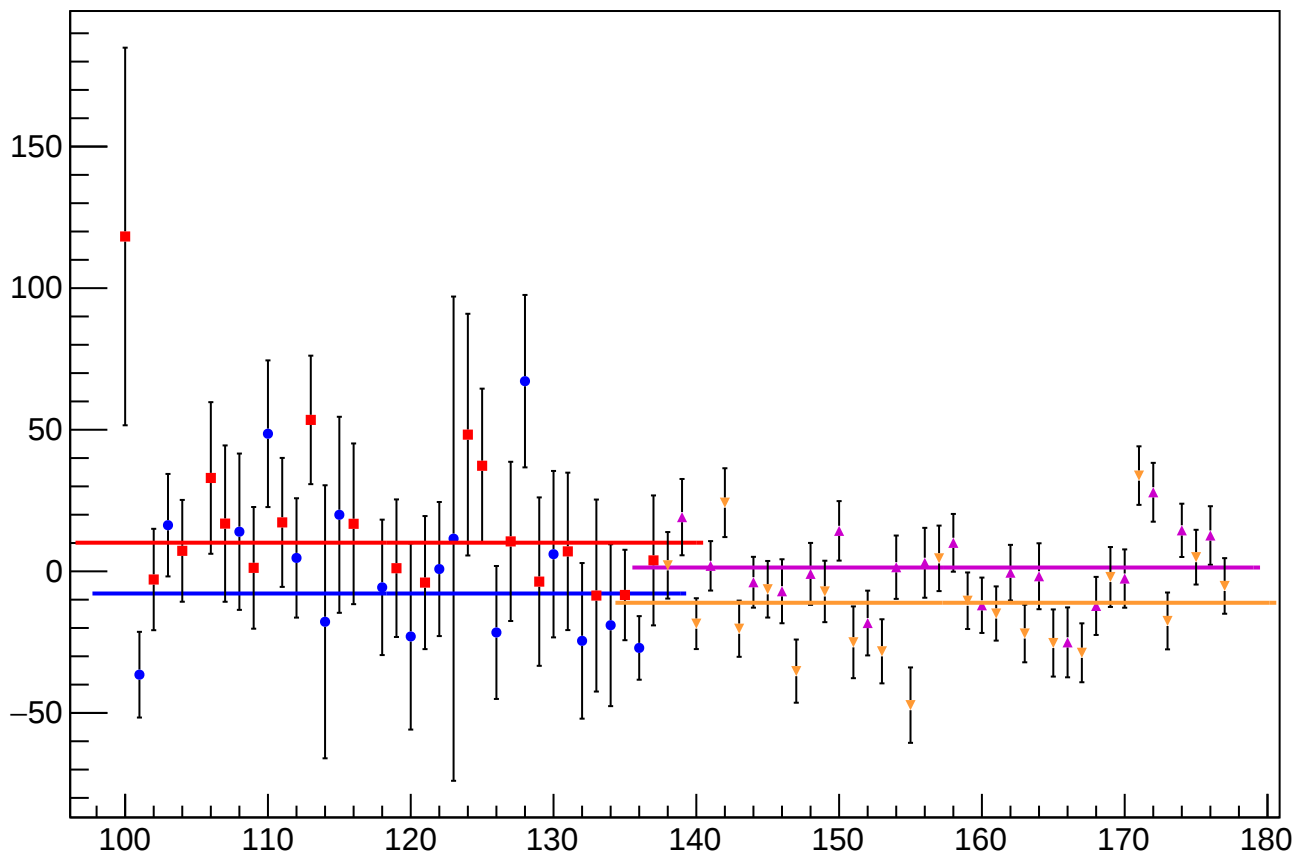
Right: 6956.947 $\pm$ 1.360 χ^2 /NDF: 1290110.2/35

In: 6693.743 $\pm$ 1.036 χ^2 /NDF: 963086.6/35

Out: 6650.533 $\pm$ 0.996 χ^2 /NDF: 1047814.9/39

All: 6671.282 $\pm$ 0.718 χ^2 /NDF: 2011805.7/75

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -11.099 ± 2.315 $\chi^2/\text{NDF}: 57.8/20$

Right Out: 10.117 ± 5.571 $\chi^2/\text{NDF}: 12.2/18$

Left In: 1.350 ± 2.413 $\chi^2/\text{NDF}: 26.0/18$

Left: -5.131 ± 1.671 $\chi^2/\text{NDF}: 97.7/39$

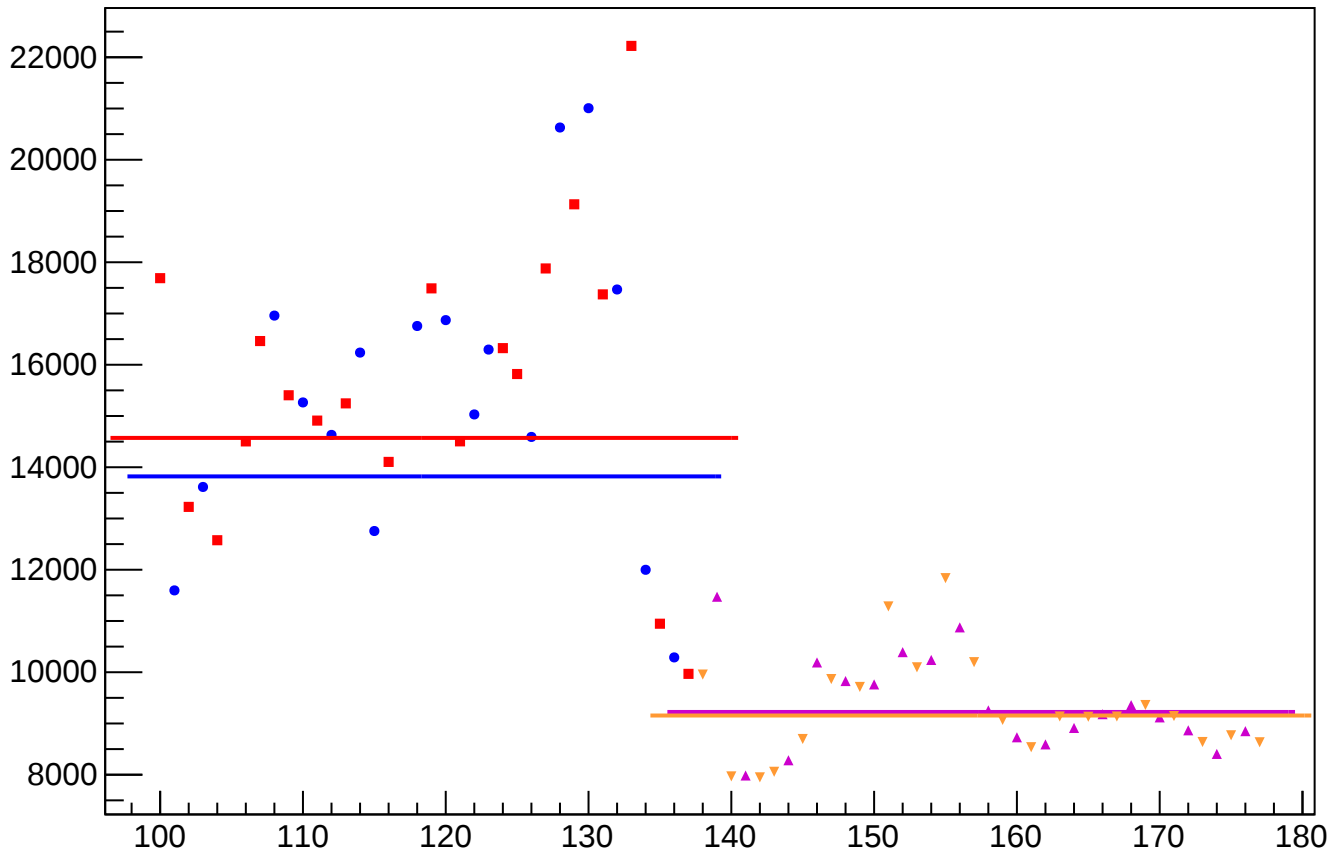
Right: 1.056 ± 3.920 $\chi^2/\text{NDF}: 39.7/35$

In: -0.124 ± 2.211 $\chi^2/\text{NDF}: 50.6/35$

Out: -7.974 ± 2.138 $\chi^2/\text{NDF}: 82.3/39$

All: -4.180 ± 1.537 $\chi^2/\text{NDF}: 139.5/75$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2 /NDF: 602672.4/16

Left Out: 9155.347 $\pm$ 1.637 χ^2 /NDF:297078.5/20

Right Out: 14572.437 $\pm$ 3.939 χ^2 /NDF: 472468.2/18

Left In: 9224.592 $\pm$ 1.706 χ^2 /NDF:252732.9/18

Left: 9188.541 $\pm$ 1.181 χ^2 /NDF: 550668.9/39

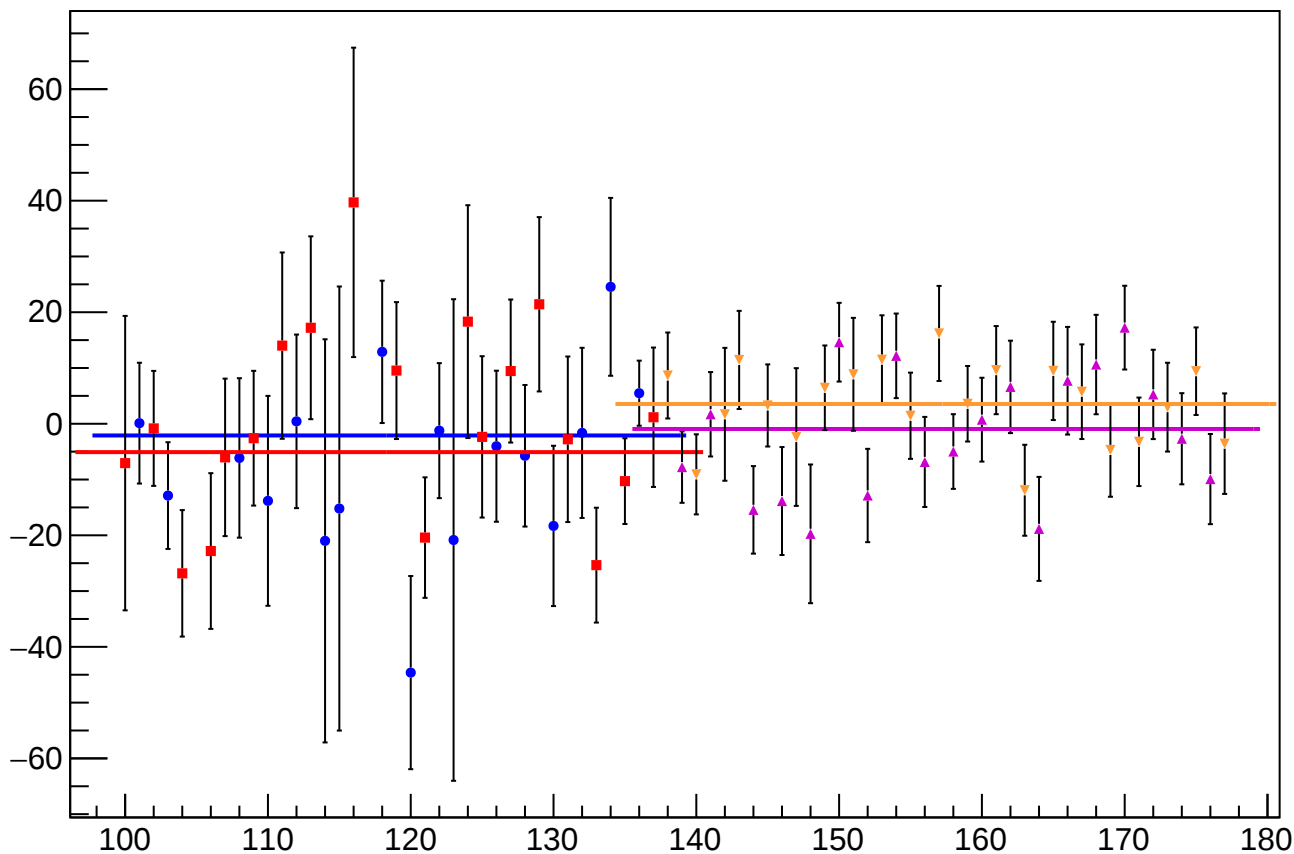
Right: 14193.062 $\pm$ 2.772 χ^2 /NDF: 1093505.5/35

In: 9962.917 $\pm$ 1.563 χ^2 /NDF:2021276.1/35

Out: 9953.143 $\pm$ 1.512 χ^2 /NDF:2381972.3/39

All: 9957.867 $\pm$ 1.087 χ^2 /NDF: 4403268.6/75

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 3.545 ± 1.800 χ^2/NDF : 15.9/20

Right Out: -5.085 ± 2.962 χ^2/NDF : 24.8/18

Left In: -0.934 ± 1.840 χ^2/NDF : 34.3/18

Left: 1.355 ± 1.287 χ^2/NDF : 53.2/39

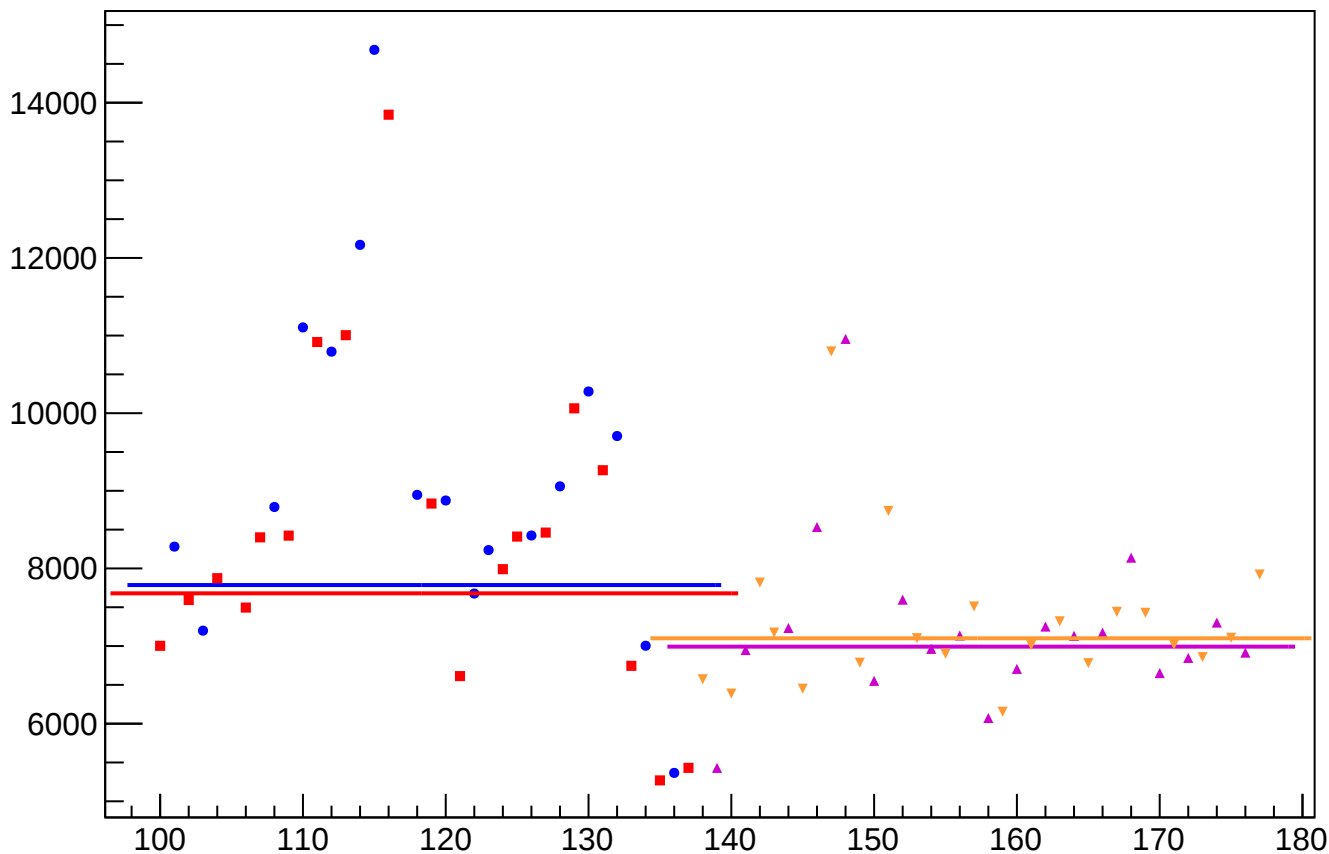
Right: -3.662 ± 2.144 χ^2/NDF : 40.9/35

In: -1.236 ± 1.583 χ^2/NDF : 50.1/35

Out: 1.217 ± 1.538 χ^2/NDF : 46.8/39

All: 0.026 ± 1.103 χ^2/NDF : 98.1/75

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7100.076+/-1.273 χ^2/NDF : 361485.0/20

Right Out: 7679.182+/-2.095 χ^2/NDF : 668736.8/18

Left In: 6992.533+/-1.301 χ^2/NDF : 478331.6/18

Left: 7047.488+/-0.910 χ^2/NDF : 843307.0/39

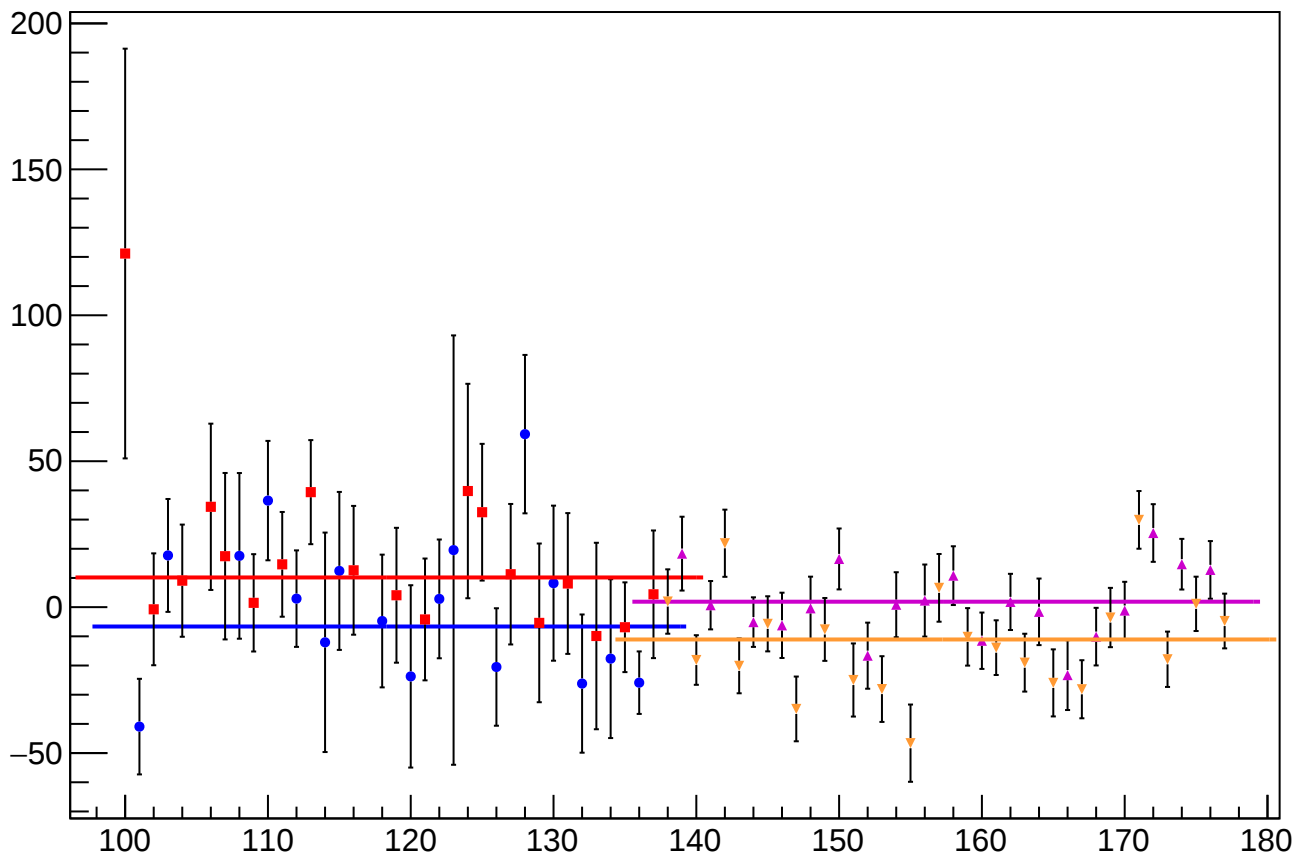
Right: 7730.020+/-1.516 χ^2/NDF : 1408075.7/35

In: 7198.628+/-1.120 χ^2/NDF : 1313004.8/35

Out: 7256.261+/-1.088 χ^2/NDF : 1086045.4/39

All: 7228.273+/-0.780 χ^2/NDF : 2400413.4/75

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -11.076 ± 2.237 $\chi^2/\text{NDF}: 55.1/20$

Right Out: 10.172 ± 5.075 $\chi^2/\text{NDF}: 10.8/18$

Left In: 1.864 ± 2.336 $\chi^2/\text{NDF}: 25.5/18$

Left: -4.887 ± 1.616 $\chi^2/\text{NDF}: 96.5/39$

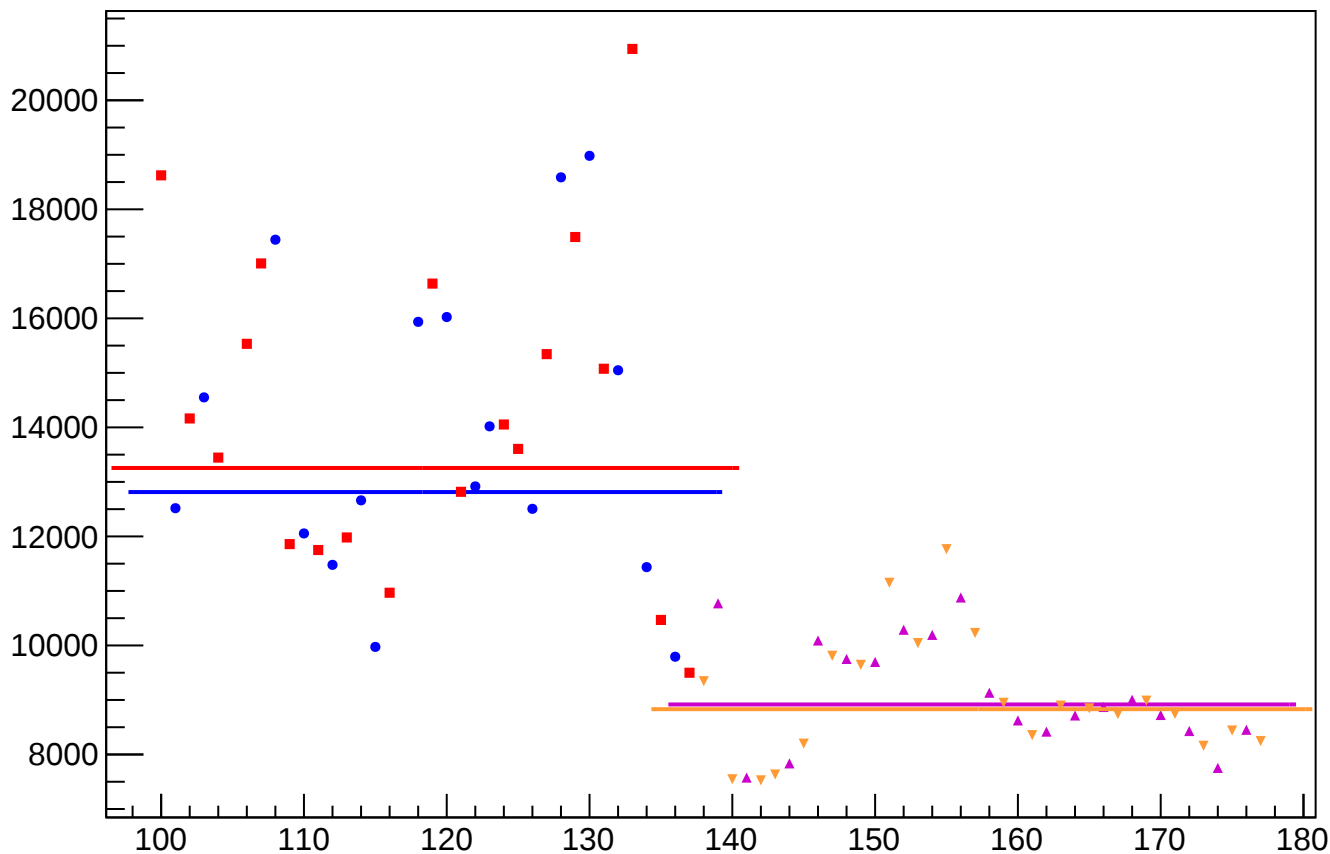
Right: 1.813 ± 3.598 $\chi^2/\text{NDF}: 39.7/35$

In: 0.391 ± 2.124 $\chi^2/\text{NDF}: 51.2/35$

Out: -7.619 ± 2.047 $\chi^2/\text{NDF}: 80.5/39$

All: -3.762 ± 1.474 $\chi^2/\text{NDF}: 139.1/75$

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8830.970+/-1.582 χ^2/NDF : 391157.1/20

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

Left In: 8917.535+/-1.652 χ^2/NDF : 333921.5/18

Left: 8872.375+/-1.143 χ^2/NDF : 726511.0/39

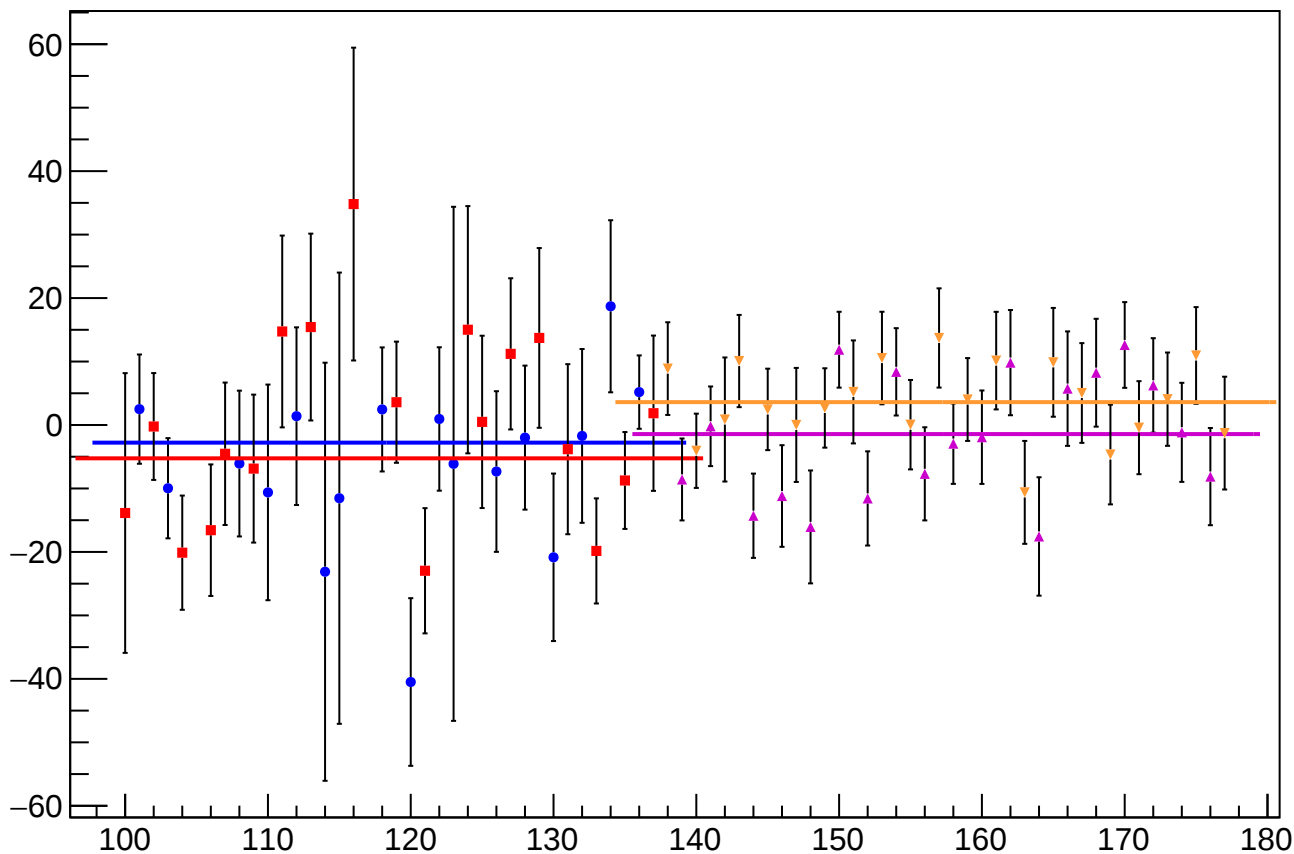
Right: 13035.784+/-2.544 χ^2/NDF : 1039954.9/35

In: 9593.031+/-1.502 χ^2/NDF : 1846439.3/35

Out: 9550.827+/-1.447 χ^2/NDF : 2148419.2/39

All: 9571.148+/-1.042 χ^2/NDF : 3995267.9/75

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 3.603 ± 1.625 $\chi^2/\text{NDF}: 13.2/20$

Right Out: -5.252 ± 2.590 $\chi^2/\text{NDF}: 23.5/18$

Left In: -1.431 ± 1.678 $\chi^2/\text{NDF}: 31.8/18$

Left: 1.167 ± 1.167 $\chi^2/\text{NDF}: 49.6/39$

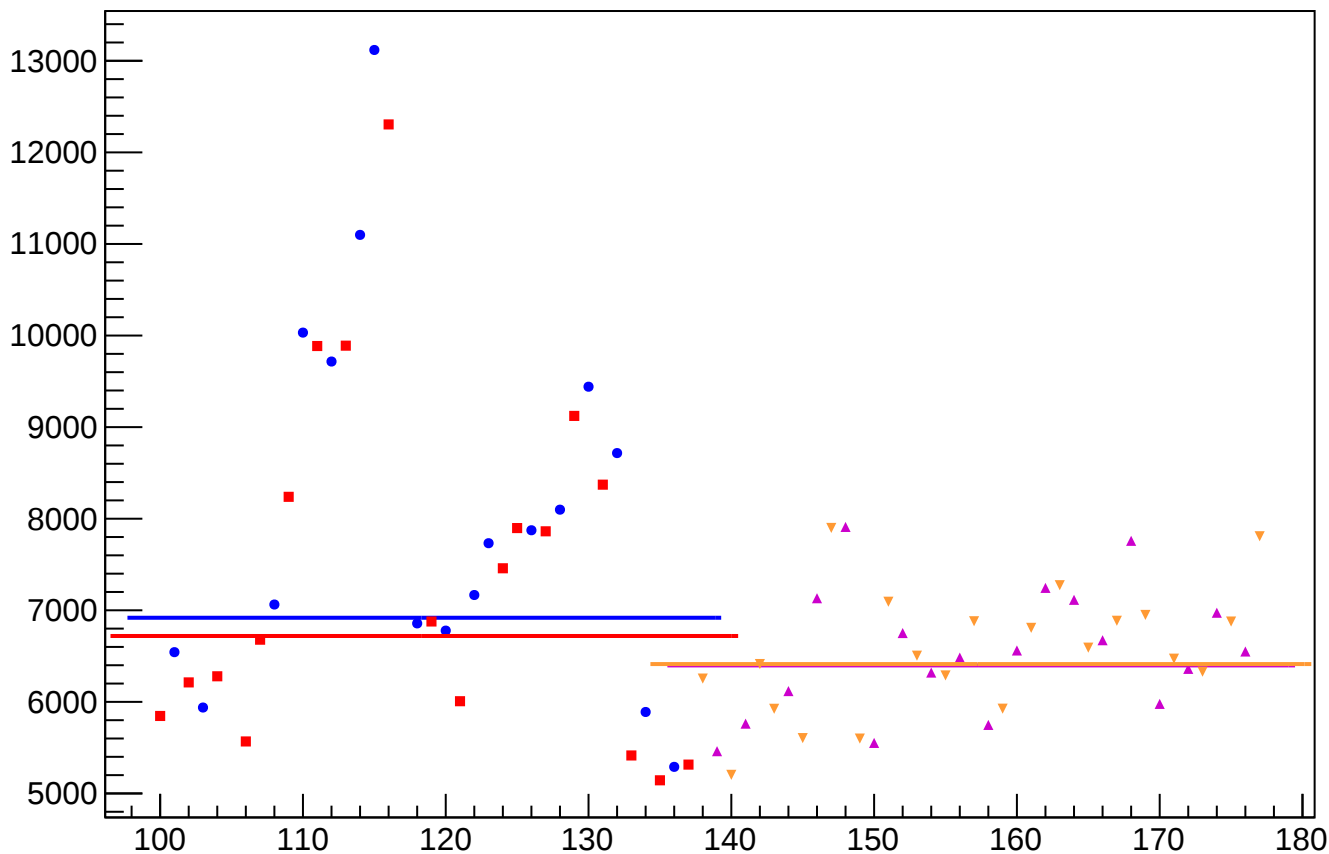
Right: -4.088 ± 1.884 $\chi^2/\text{NDF}: 41.0/35$

In: -1.797 ± 1.432 $\chi^2/\text{NDF}: 48.9/35$

Out: 1.102 ± 1.376 $\chi^2/\text{NDF}: 45.1/39$

All: -0.290 ± 0.992 $\chi^2/\text{NDF}: 96.2/75$

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6412.831+/-1.149 χ^2/NDF : 351505.6/20

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

Left In: 6398.084+/-1.186 χ^2/NDF : 313217.7/18

Left: 6405.694+/-0.825 χ^2/NDF : 664803.0/39

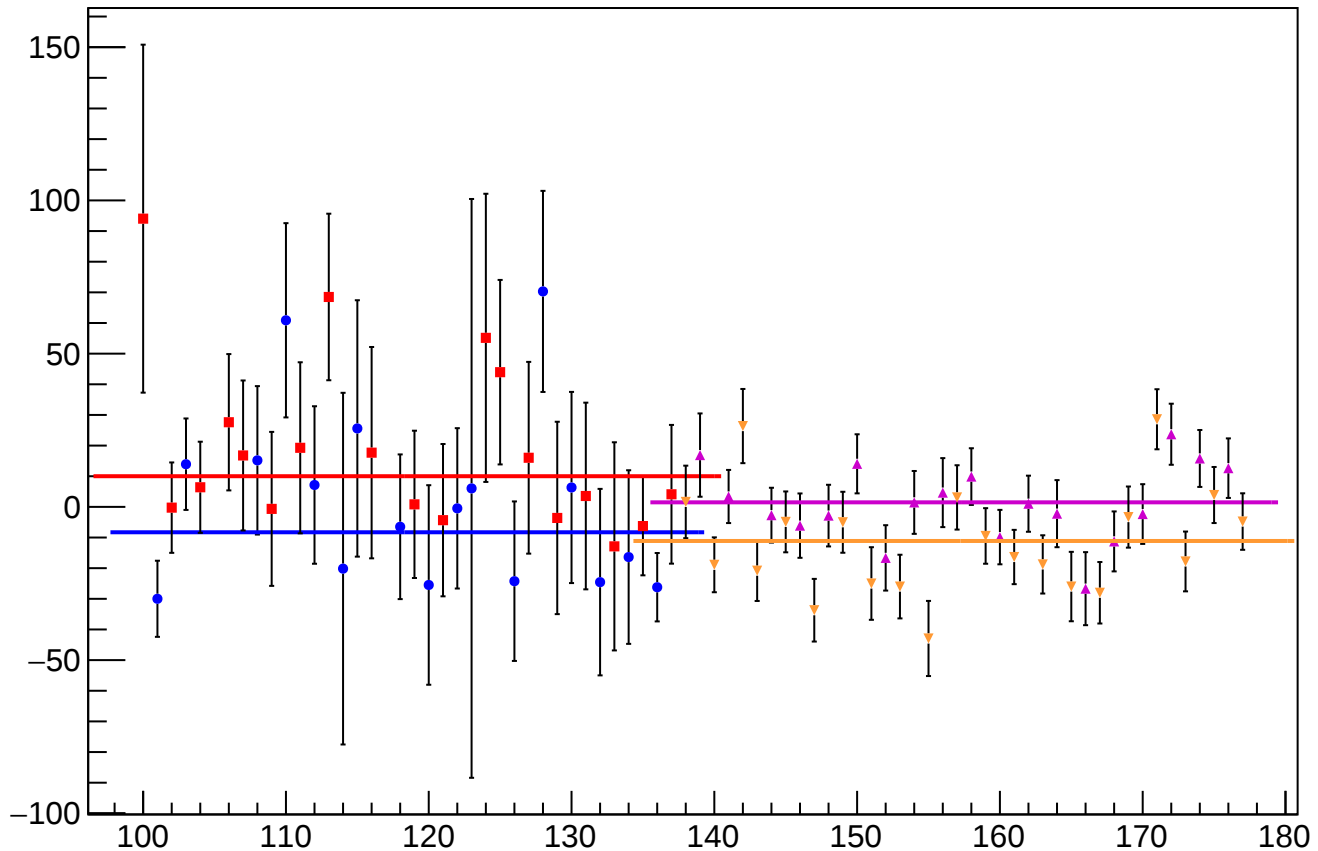
Right: 6813.106+/-1.332 χ^2/NDF : 1247373.6/35

In: 6539.499+/-1.013 χ^2/NDF : 953478.4/35

Out: 6499.439+/-0.973 χ^2/NDF : 1025448.8/39

All: 6518.677+/-0.702 χ^2/NDF : 1979740.7/75

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -11.124 ± 2.198 $\chi^2/\text{NDF}: 56.4/20$

Right Out: 10.007 ± 5.513 $\chi^2/\text{NDF}: 12.9/18$

Left In: 1.482 ± 2.282 $\chi^2/\text{NDF}: 25.6/18$

Left: -5.057 ± 1.583 $\chi^2/\text{NDF}: 97.8/39$

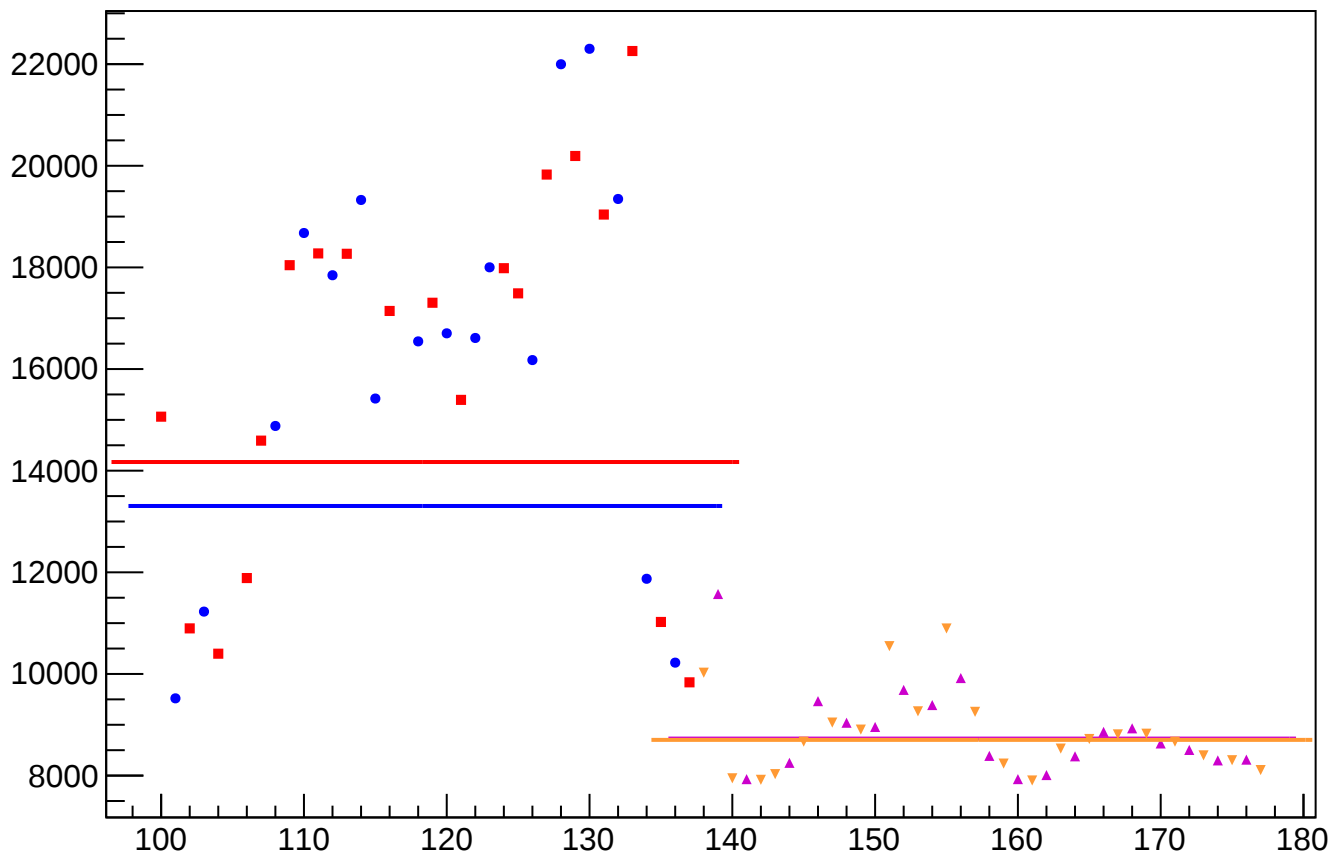
Right: 0.688 ± 3.861 $\chi^2/\text{NDF}: 40.2/35$

In: 0.007 ± 2.102 $\chi^2/\text{NDF}: 50.1/35$

Out: -8.226 ± 2.042 $\chi^2/\text{NDF}: 81.9/39$

All: -4.230 ± 1.465 $\chi^2/\text{NDF}: 139.9/75$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2/NDF : 1044091.1/16

Left Out: 8702.802 $\pm$ 1.554 χ^2/NDF :220688.2/20

Right Out: 14170.668 $\pm$ 3.898 χ^2/NDF : 930612.1/18

Left In: 8728.319 $\pm$ 1.613 χ^2/NDF :213382.0/18

Left: 8715.083 $\pm$ 1.119 χ^2/NDF : 434200.0/39

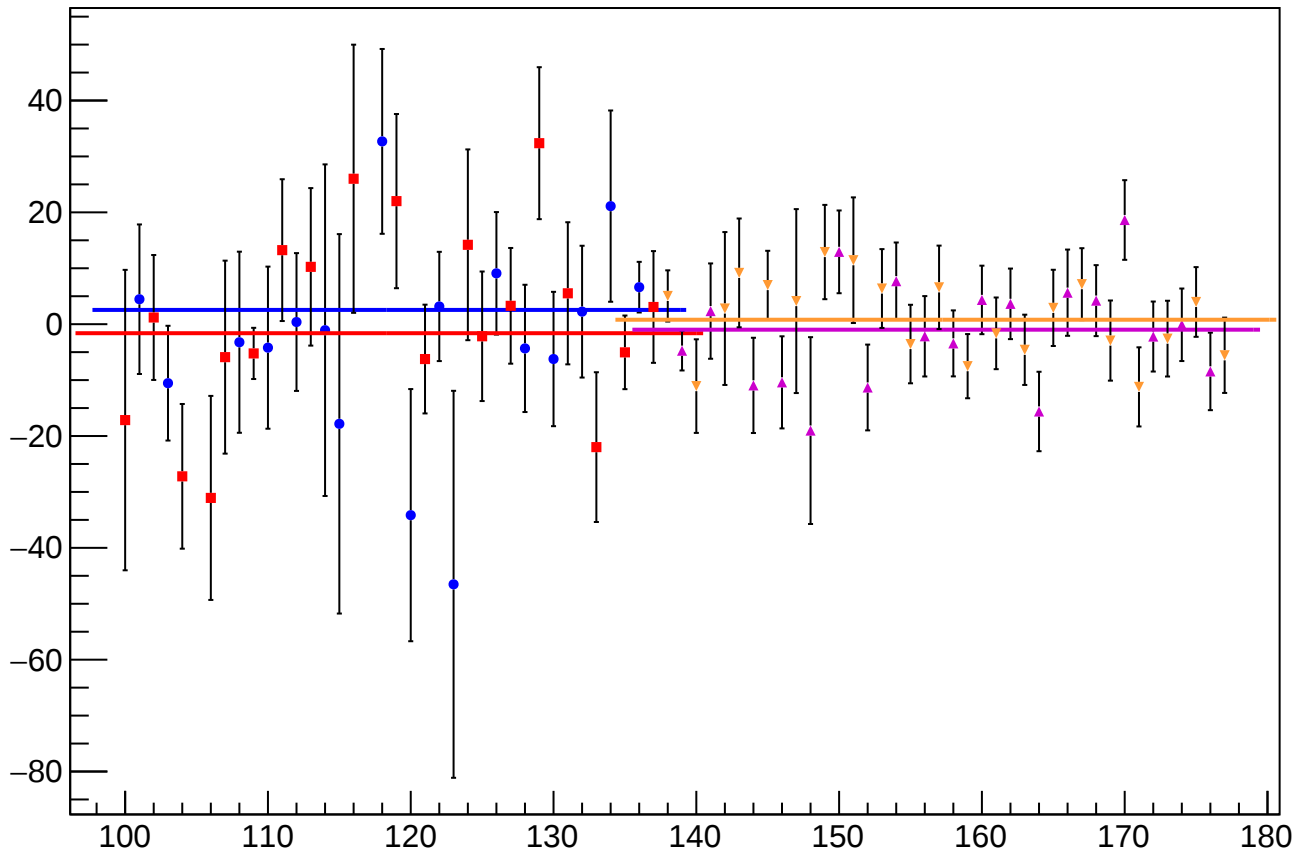
Right: 13729.884 $\pm$ 2.730 χ^2/NDF : 1999799.5/35

In: 9419.520 $\pm$ 1.487 χ^2/NDF :2472801.2/35

Out: 9452.688 $\pm$ 1.444 χ^2/NDF :2848815.6/39

All: 9436.590 $\pm$ 1.036 χ^2/NDF : 5321873.0/75

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 0.797 ± 1.537 $\chi^2/\text{NDF}: 17.9/20$

Right Out: -1.613 ± 2.442 $\chi^2/\text{NDF}: 24.0/18$

Left In: -0.984 ± 1.519 $\chi^2/\text{NDF}: 28.0/18$

Left: -0.104 ± 1.081 $\chi^2/\text{NDF}: 46.5/39$

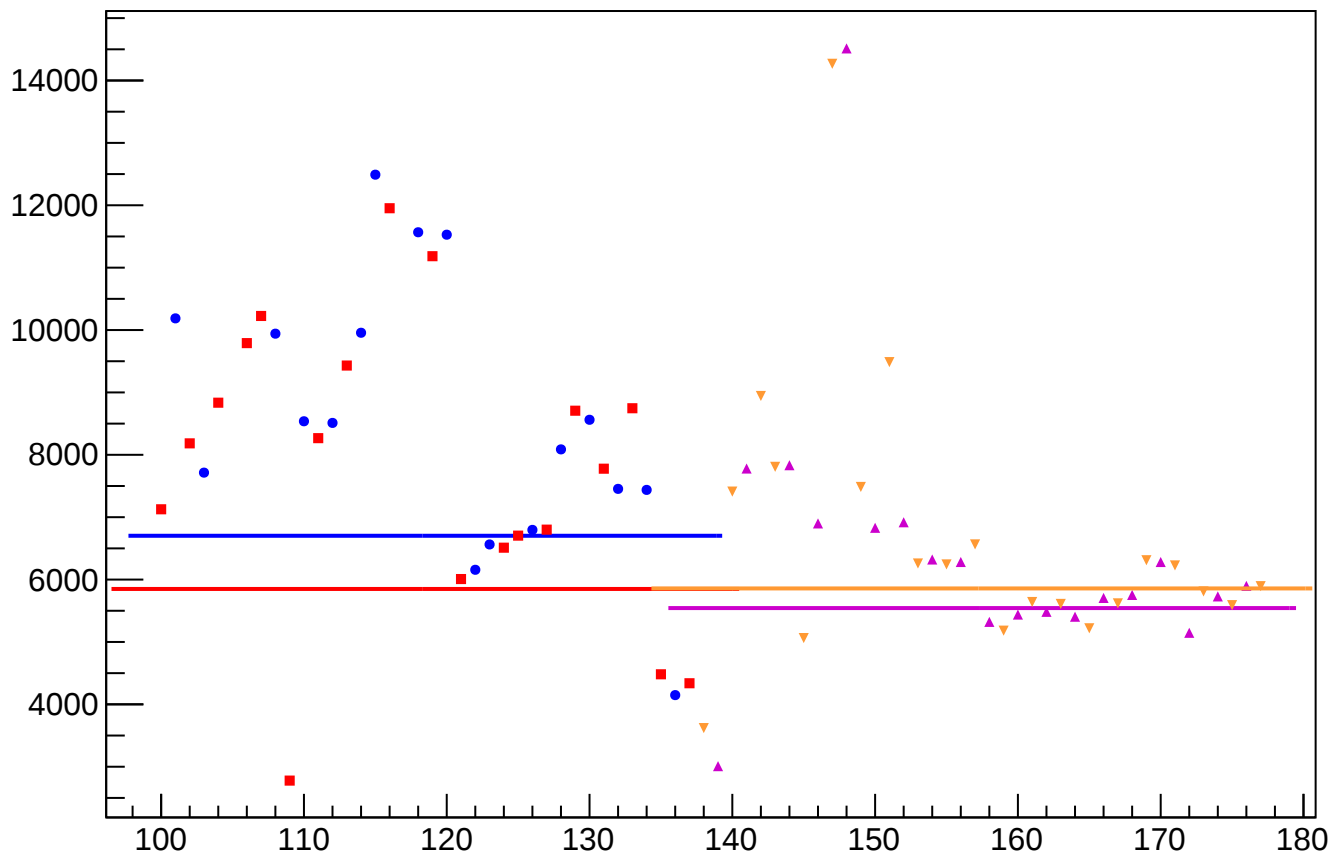
Right: 0.218 ± 1.828 $\chi^2/\text{NDF}: 38.9/35$

In: -0.160 ± 1.331 $\chi^2/\text{NDF}: 42.9/35$

Out: 0.113 ± 1.301 $\chi^2/\text{NDF}: 42.6/39$

All: -0.021 ± 0.930 $\chi^2/\text{NDF}: 85.5/75$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245 $\pm$ 1.949 χ^2 /NDF: 1389956.8/16

Left Out: 5857.947 $\pm$ 1.087 χ^2 /NDF:1669607.2/20

Right Out: 5849.606 $\pm$ 1.727 χ^2 /NDF: 2278464.5/18

Left In: 5543.167 $\pm$ 1.074 χ^2 /NDF:2156555.9/18

Left: 5698.738 $\pm$ 0.764 χ^2 /NDF: 3868591.2/39

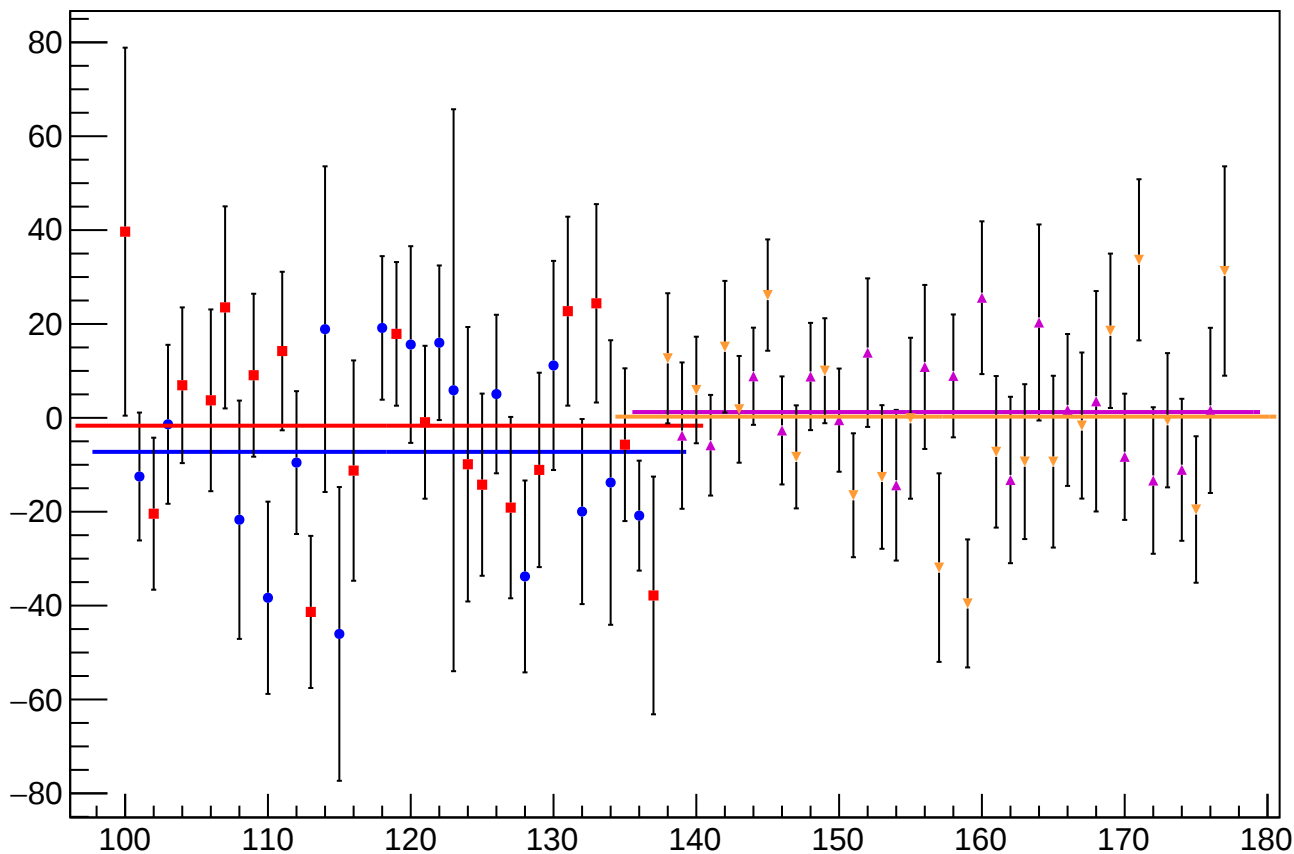
Right: 6224.538 $\pm$ 1.293 χ^2 /NDF: 3775609.7/35

In: 5813.205 $\pm$ 0.941 χ^2 /NDF:3817691.2/35

Out: 5855.581 $\pm$ 0.920 χ^2 /NDF:3948088.4/39

All: 5834.873 $\pm$ 0.658 χ^2 /NDF: 7766816.8/75

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: 0.254 $\pm$ 3.113 χ^2/NDF : 31.1/20

Right Out: -1.671 $\pm$ 4.373 χ^2/NDF : 19.9/18

Left In: 1.235 $\pm$ 3.249 χ^2/NDF : 9.7/18

Left: 0.724 $\pm$ 2.248 χ^2/NDF : 40.9/39

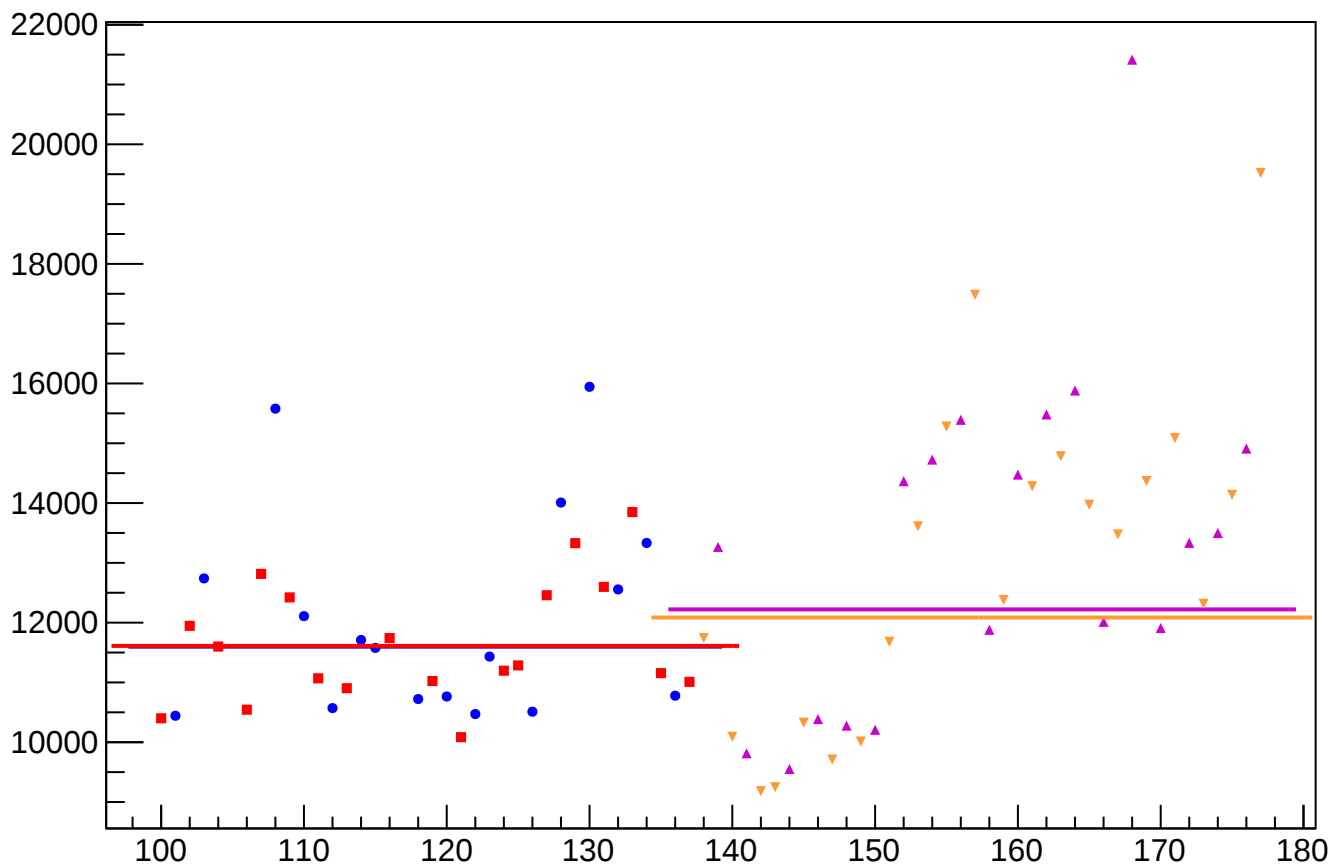
Right: -4.349 $\pm$ 3.152 χ^2/NDF : 36.6/35

In: -1.631 $\pm$ 2.643 χ^2/NDF : 27.9/35

Out: -0.393 $\pm$ 2.536 χ^2/NDF : 51.1/39

All: -0.987 $\pm$ 1.830 χ^2/NDF : 79.2/75

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 12086.148+/-2.201 χ^2/NDF : 1200856.9/20

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

Left In: 12221.847+/-2.297 χ^2/NDF : 1117707.8/18

Left: 12151.105+/-1.589 χ^2/NDF : 2320383.5/39

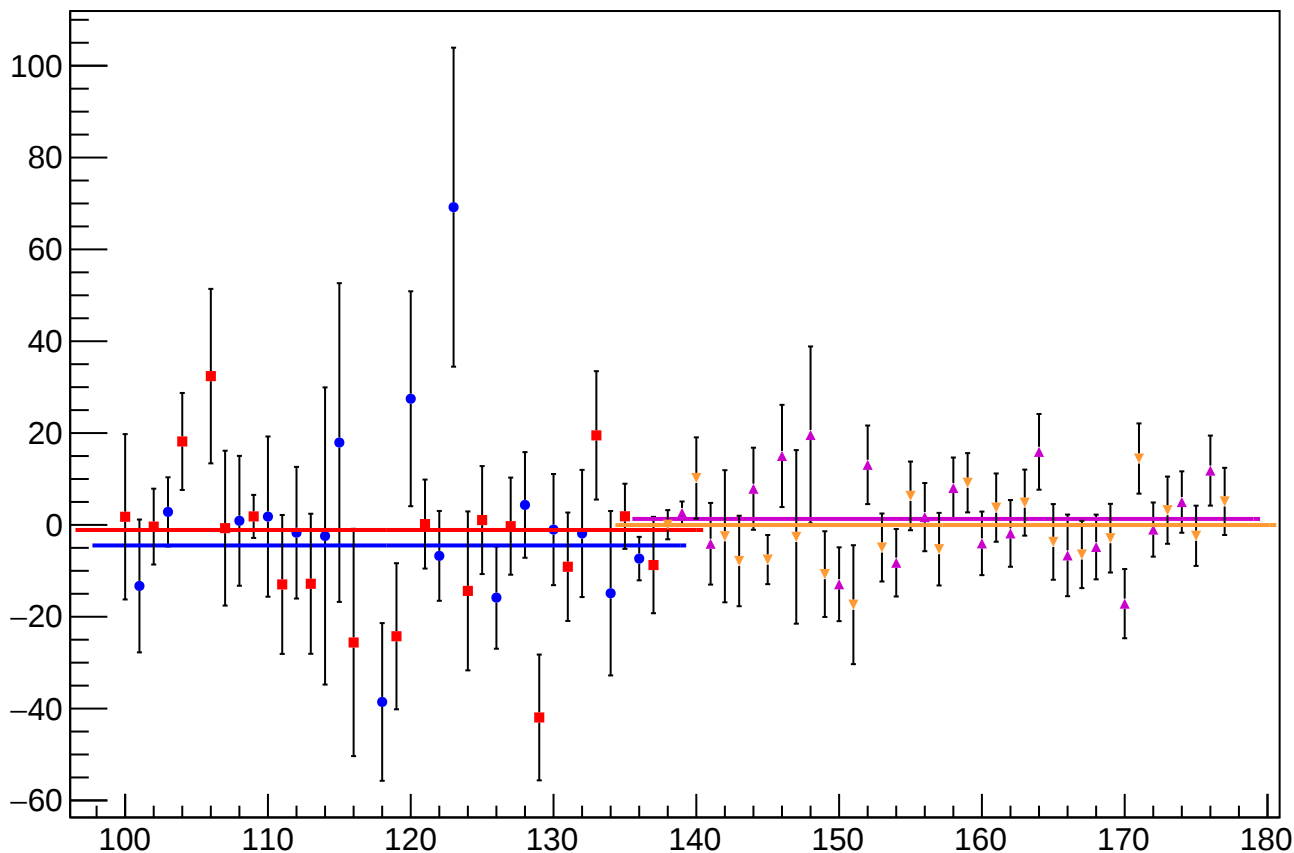
Right: 11605.084+/-2.229 χ^2/NDF : 329878.2/35

In: 12011.243+/-1.869 χ^2/NDF : 1377995.2/35

Out: 11926.307+/-1.793 χ^2/NDF : 1310977.3/39

All: 11967.017+/-1.294 χ^2/NDF : 2690047.6/71

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.030 ± 1.535 χ^2/NDF : 17.0/20

Right Out: -1.105 ± 2.429 χ^2/NDF : 24.0/18

Left In: 1.302 ± 1.476 χ^2/NDF : 25.2/18

Left: 0.662 ± 1.064 χ^2/NDF : 42.5/39

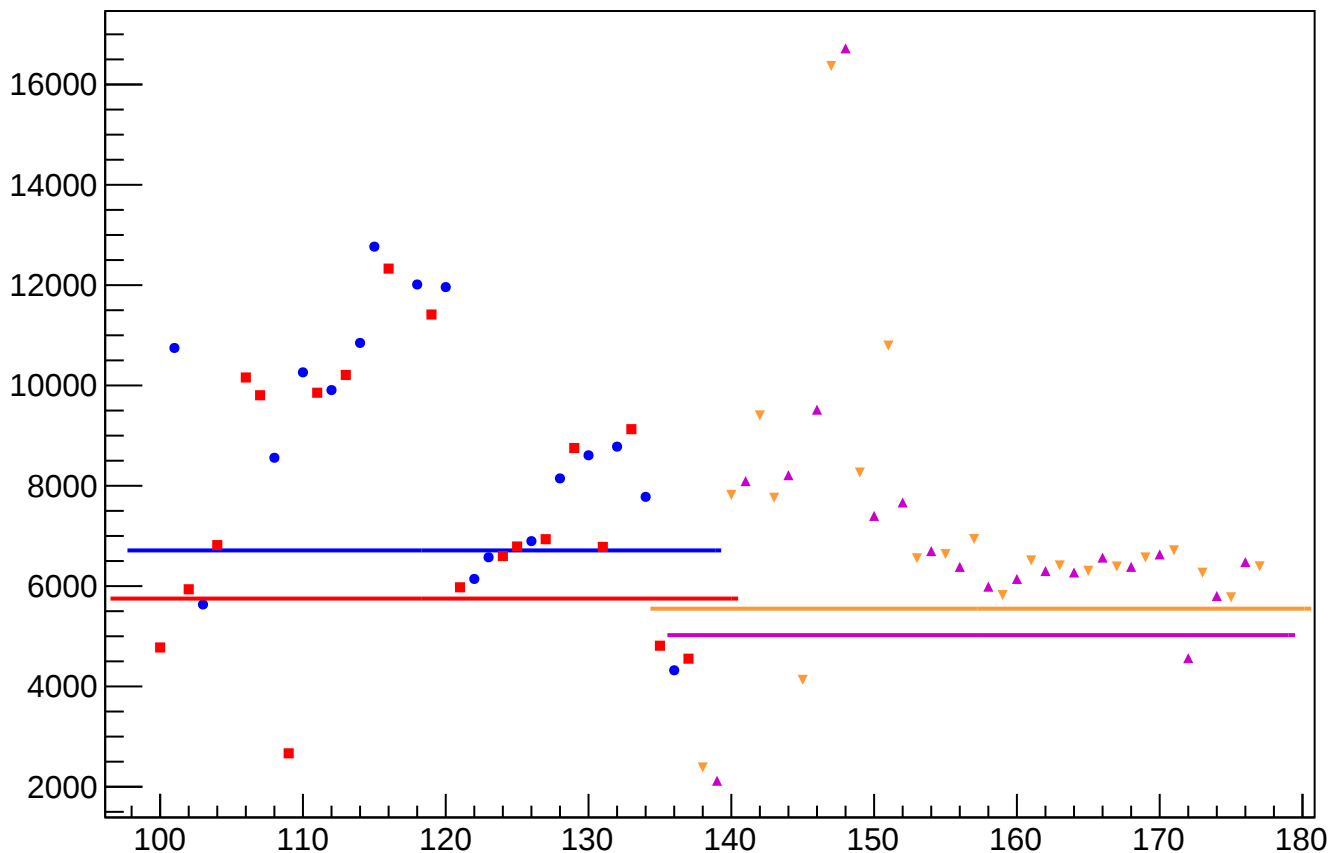
Right: -2.563 ± 1.830 χ^2/NDF : 39.7/35

In: 0.032 ± 1.304 χ^2/NDF : 43.4/35

Out: -0.336 ± 1.297 χ^2/NDF : 41.2/39

All: -0.153 ± 0.920 χ^2/NDF : 84.6/75

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 +/- 1.967

χ^2/NDF : 1446972.0/16

Left: 5276.246 +/- 0.752

χ^2/NDF : 9506104.2/39

Left Out: 5550.103 +/- 1.085

χ^2/NDF : 4034656.3/20

Right: 6166.836 +/- 1.294

χ^2/NDF : 3747249.5/35

Right Out: 5751.505 +/- 1.718

χ^2/NDF : 2165110.0/18

In: 5393.948 +/- 0.922

χ^2/NDF : 7370913.8/35

Out: 5607.562 +/- 0.917

χ^2/NDF : 6209593.8/39

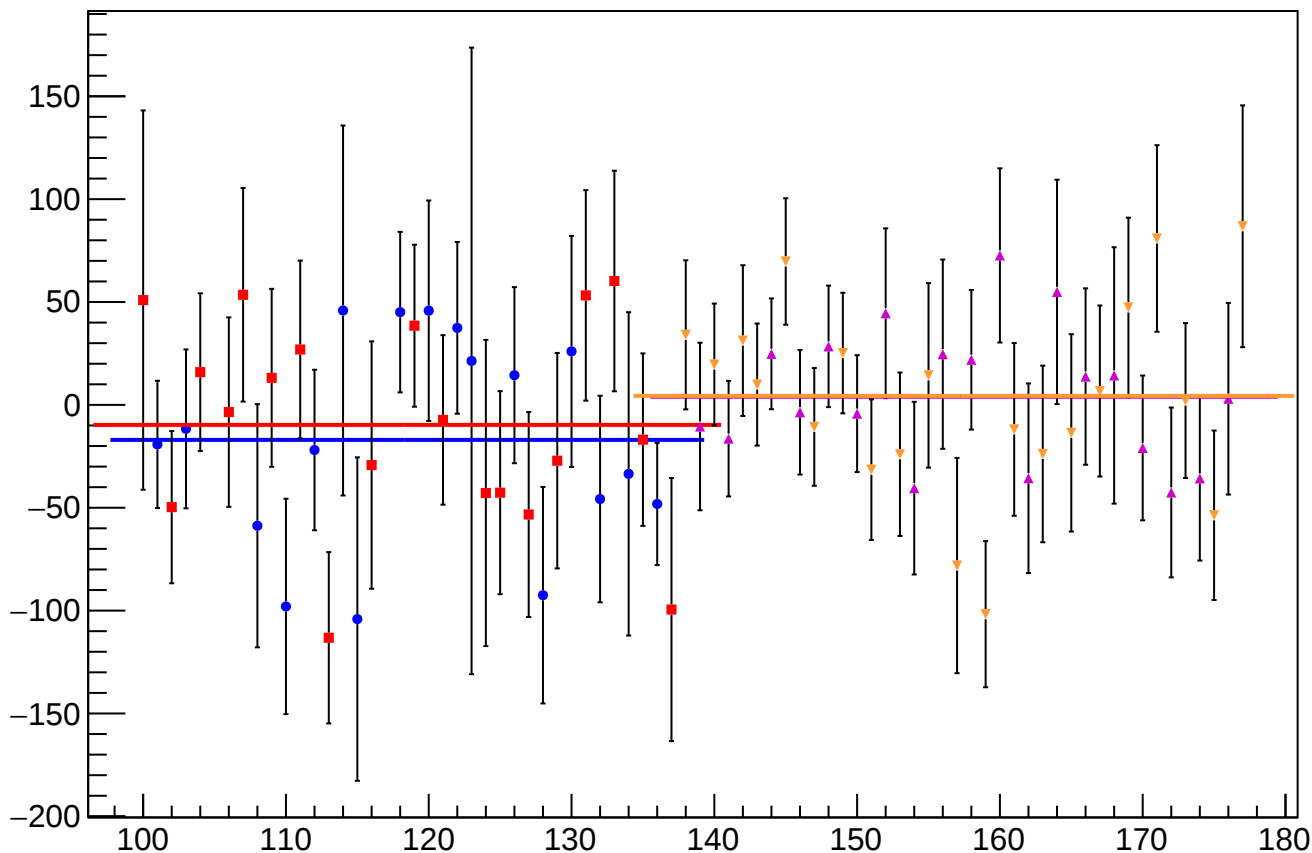
Left In: 5022.782 +/- 1.044

χ^2/NDF : 5348811.6/18

All: 5501.306 +/- 0.650

χ^2/NDF : 13607477.4/77

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 4.382 ± 8.141 χ^2/NDF : 28.4/20

Right Out: -9.719 ± 10.891 χ^2/NDF : 19.1/18

Left In: 3.961 ± 8.491 χ^2/NDF : 11.7/18

Left: 4.180 ± 5.876 χ^2/NDF : 40.1/39

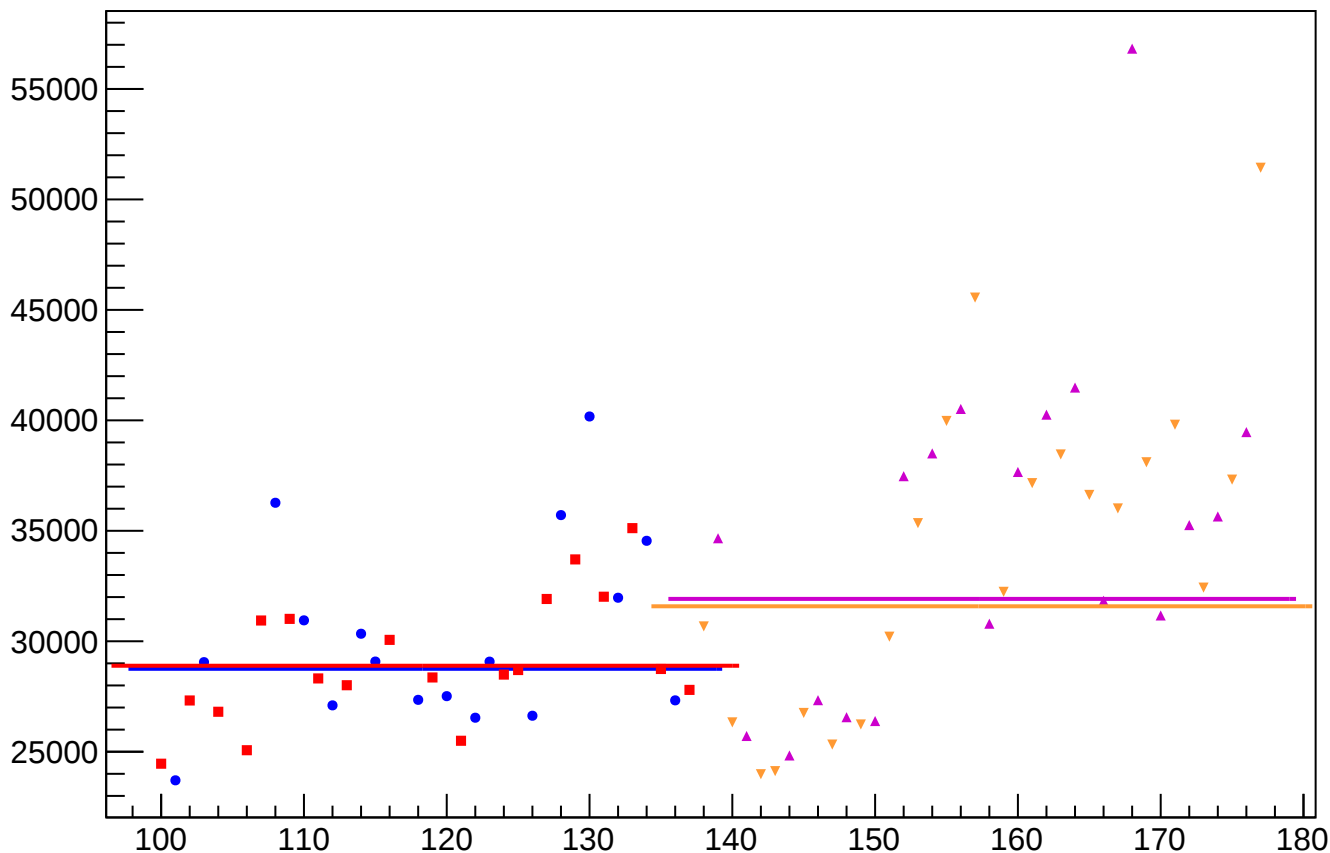
Right: -13.234 ± 7.837 χ^2/NDF : 34.3/35

In: -3.618 ± 6.785 χ^2/NDF : 28.9/35

Out: -0.673 ± 6.521 χ^2/NDF : 48.5/39

All: -2.087 ± 4.702 χ^2/NDF : 77.5/75

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 31583.255+/-5.757 χ^2/NDF : 1232458.7/20

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

Left In: 31917.690+/-6.004 χ^2/NDF : 1157641.4/18

Left: 31743.441+/-4.155 χ^2/NDF : 2391716.8/39

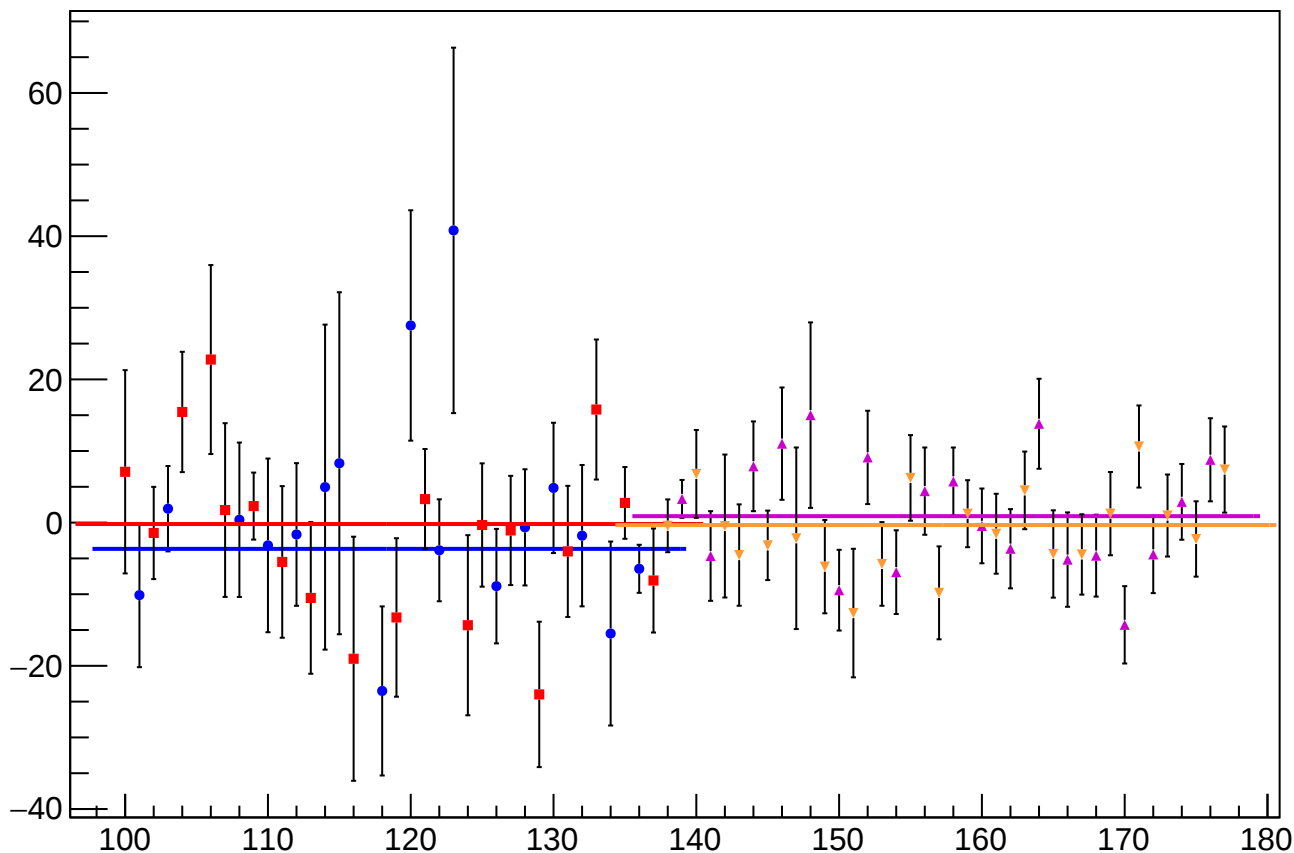
Right: 28825.443+/-5.542 χ^2/NDF : 360612.0/35

In: 30774.302+/-4.798 χ^2/NDF : 1507214.3/35

Out: 30618.570+/-4.611 χ^2/NDF : 1422041.8/39

All: 30693.339+/-3.324 χ^2/NDF : 2929803.8/71

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.341 ± 1.269 χ^2/NDF : 16.5/20

Right Out: -0.199 ± 1.893 χ^2/NDF : 22.3/18

Left In: 0.900 ± 1.237 χ^2/NDF : 31.4/18

Left: 0.296 ± 0.886 χ^2/NDF : 48.4/39

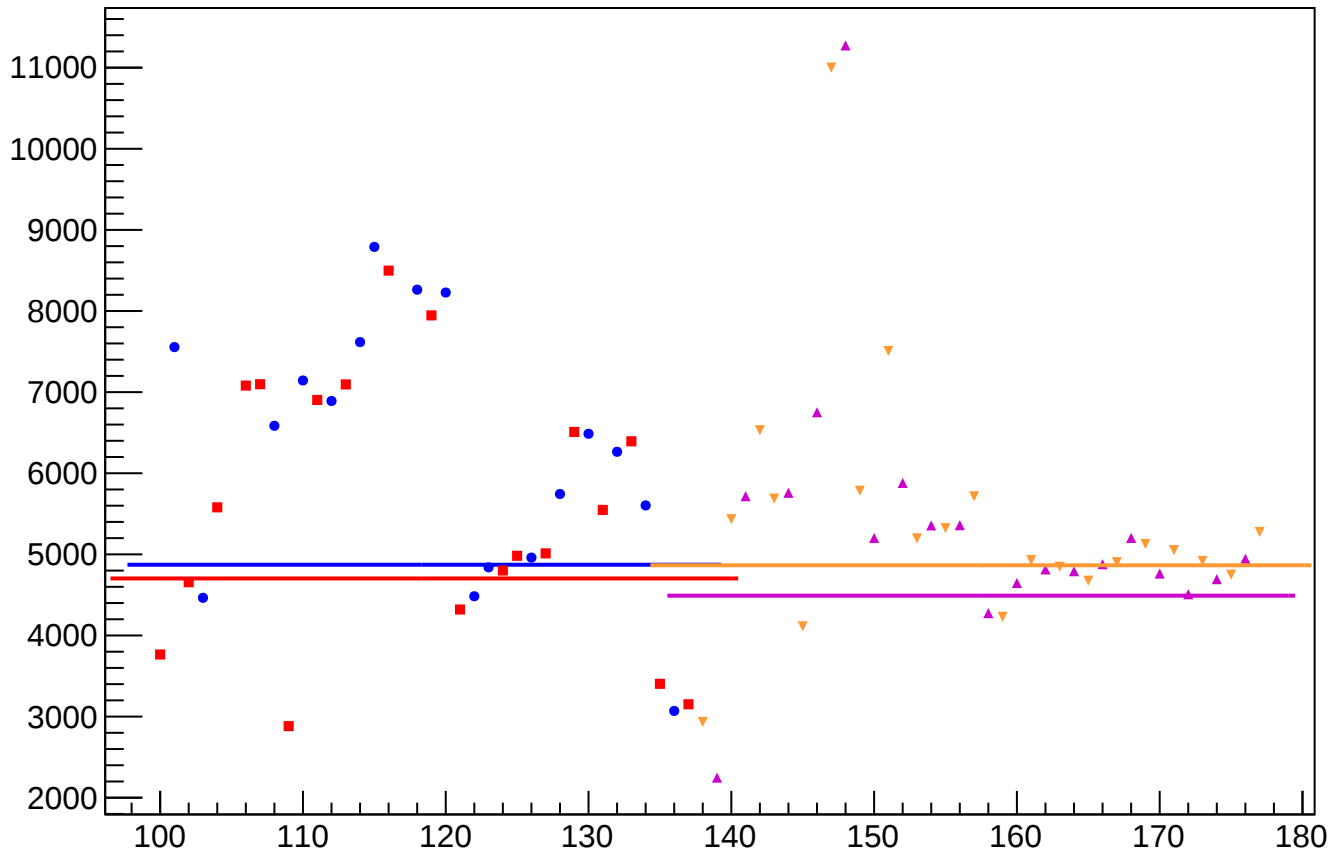
Right: -1.830 ± 1.378 χ^2/NDF : 38.4/35

In: -0.354 ± 1.053 χ^2/NDF : 49.7/35

Out: -0.297 ± 1.054 χ^2/NDF : 38.8/39

All: -0.326 ± 0.745 χ^2/NDF : 88.5/75

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 ± 1.421 $\chi^2/\text{NDF}: 1405253.2/16$

Left Out: 4865.543 ± 0.898 $\chi^2/\text{NDF}: 1487051.8/20$

Right Out: 4702.994 ± 1.338 $\chi^2/\text{NDF}: 1312720.8/18$

Left In: 4490.801 ± 0.874 $\chi^2/\text{NDF}: 2593892.6/18$

Left: 4673.278 ± 0.626 $\chi^2/\text{NDF}: 4170377.1/39$

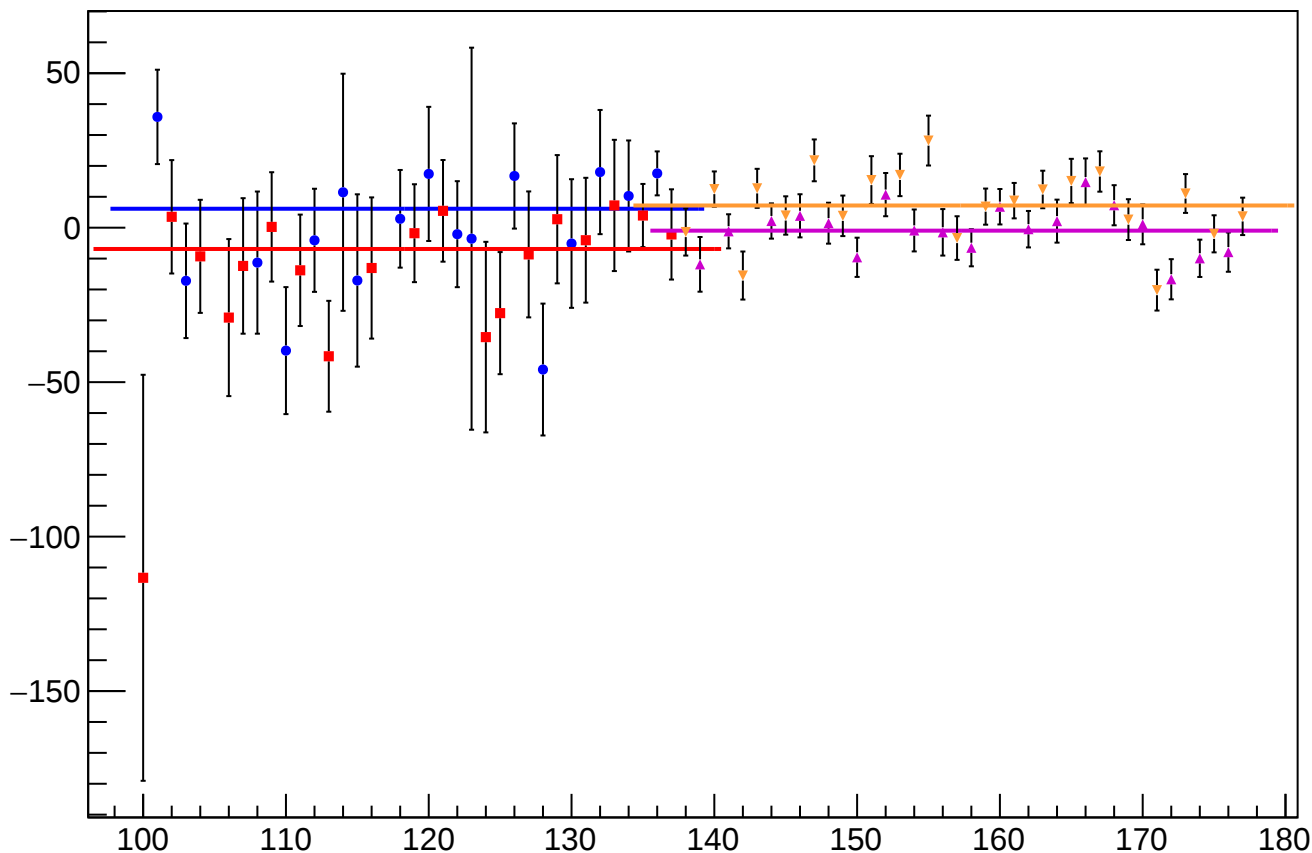
Right: 4782.480 ± 0.974 $\chi^2/\text{NDF}: 2725478.8/35$

In: 4595.517 ± 0.745 $\chi^2/\text{NDF}: 4051366.4/35$

Out: 4815.113 ± 0.745 $\chi^2/\text{NDF}: 2809947.7/39$

All: 4705.211 ± 0.527 $\chi^2/\text{NDF}: 6904744.9/75$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.185 ± 1.429 χ^2/NDF : 54.4/20

Right Out: -6.892 ± 4.224 χ^2/NDF : 12.5/18

Left In: -0.958 ± 1.487 χ^2/NDF : 25.1/18

Left: 3.275 ± 1.030 χ^2/NDF : 95.1/39

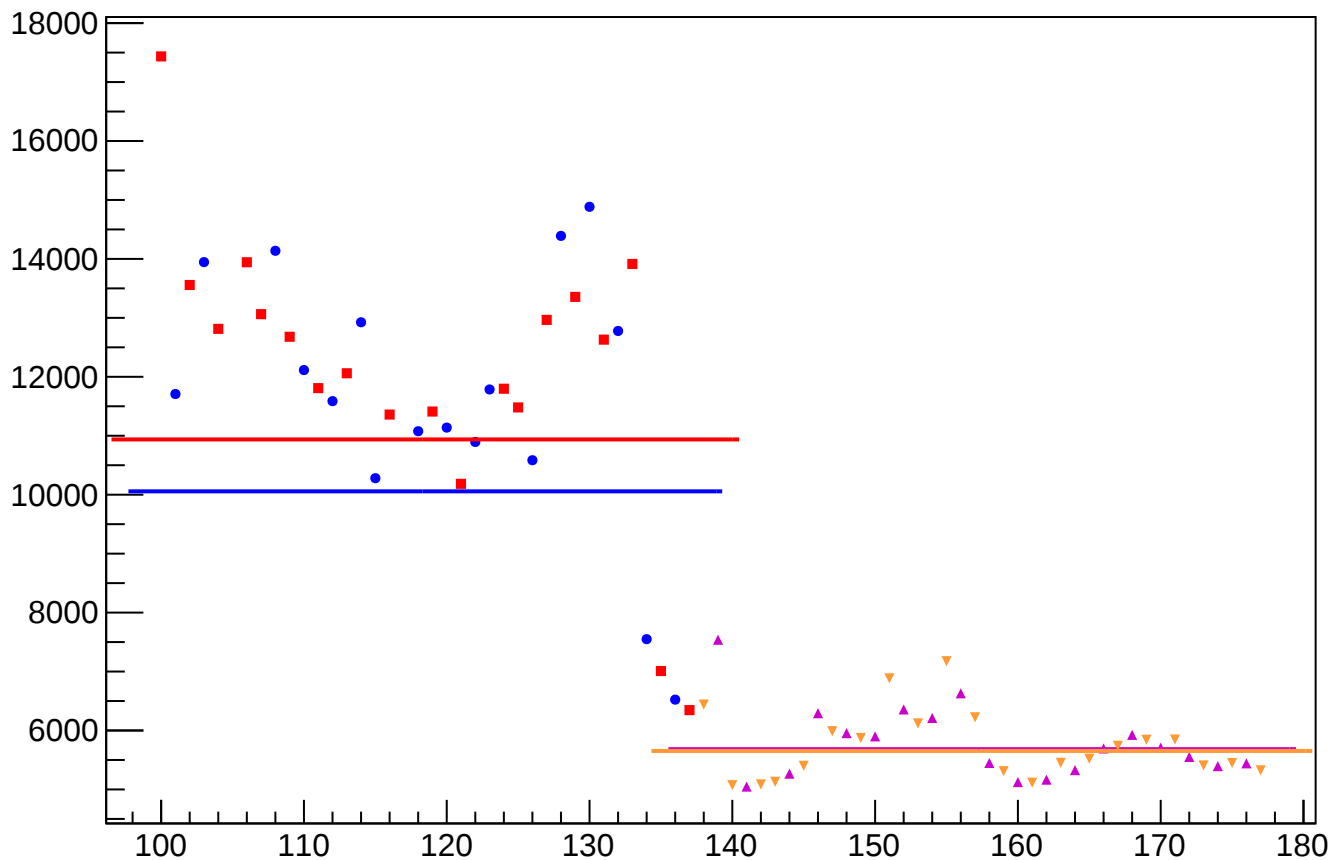
Right: -0.153 ± 2.935 χ^2/NDF : 39.6/35

In: -0.127 ± 1.397 χ^2/NDF : 50.0/35

Out: 5.740 ± 1.354 χ^2/NDF : 76.8/39

All: 2.899 ± 0.972 χ^2/NDF : 135.9/75

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5653.114 $\pm$ 1.010 χ^2 /NDF:263389.1/20

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

Left In: 5683.868 $\pm$ 1.052 χ^2 /NDF:261972.4/18

Left: 5667.879 $\pm$ 0.729 χ^2 /NDF: 525806.2/39

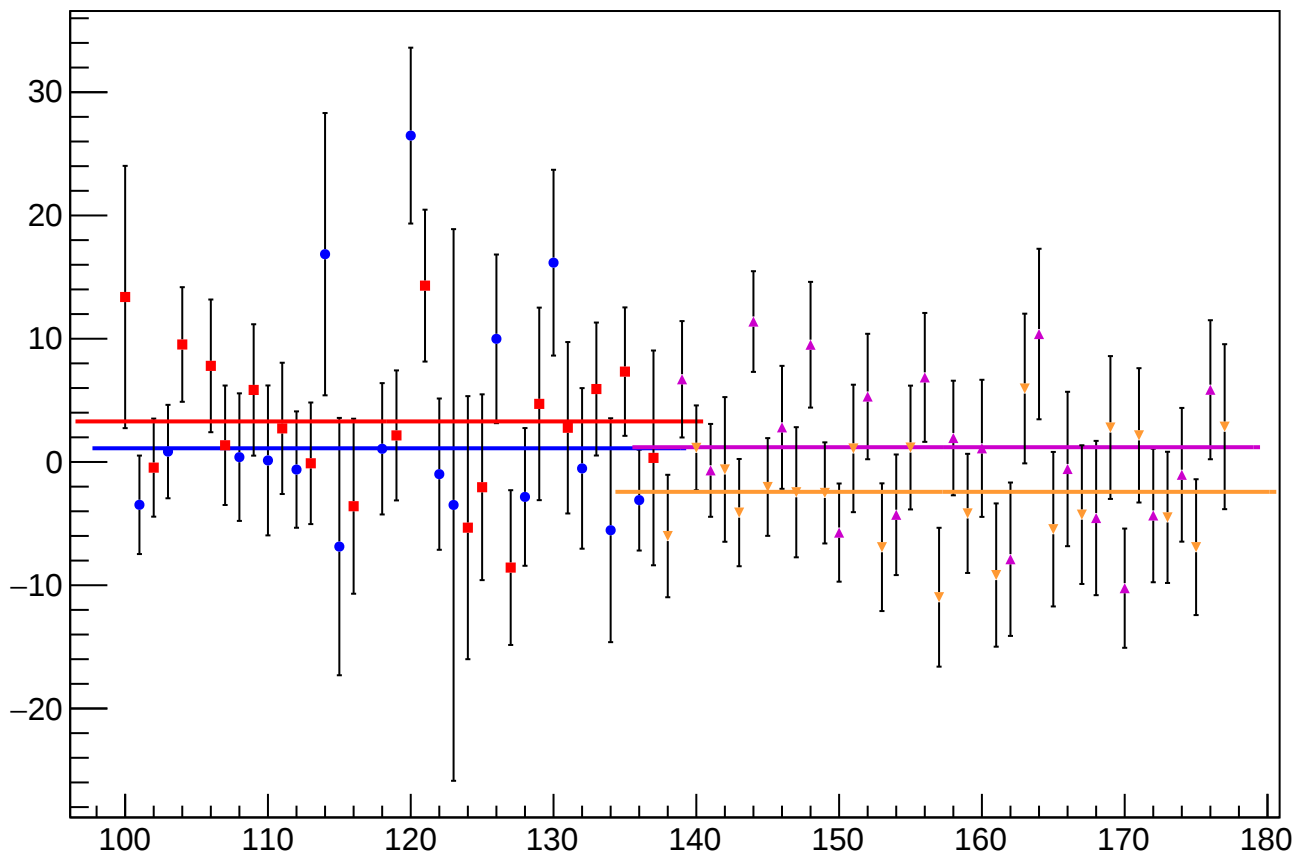
Right: 10481.996 $\pm$ 2.075 χ^2 /NDF: 1810742.6/35

In: 6196.631 $\pm$ 0.988 χ^2 /NDF:3292934.3/35

Out: 6195.734 $\pm$ 0.957 χ^2 /NDF:3834618.4/39

All: 6196.168 $\pm$ 0.687 χ^2 /NDF: 7127553.1/75

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 $\pm$ 1.403 χ^2 /NDF: 24.6/16

Left Out: -2.422 $\pm$ 1.103 χ^2 /NDF:12.6/20

Right Out: 3.290 $\pm$ 1.334 χ^2 /NDF: 15.1/18

Left In: 1.199 $\pm$ 1.153 χ^2 /NDF:29.0/18

Left: -0.692 $\pm$ 0.797 χ^2 /NDF: 46.8/39

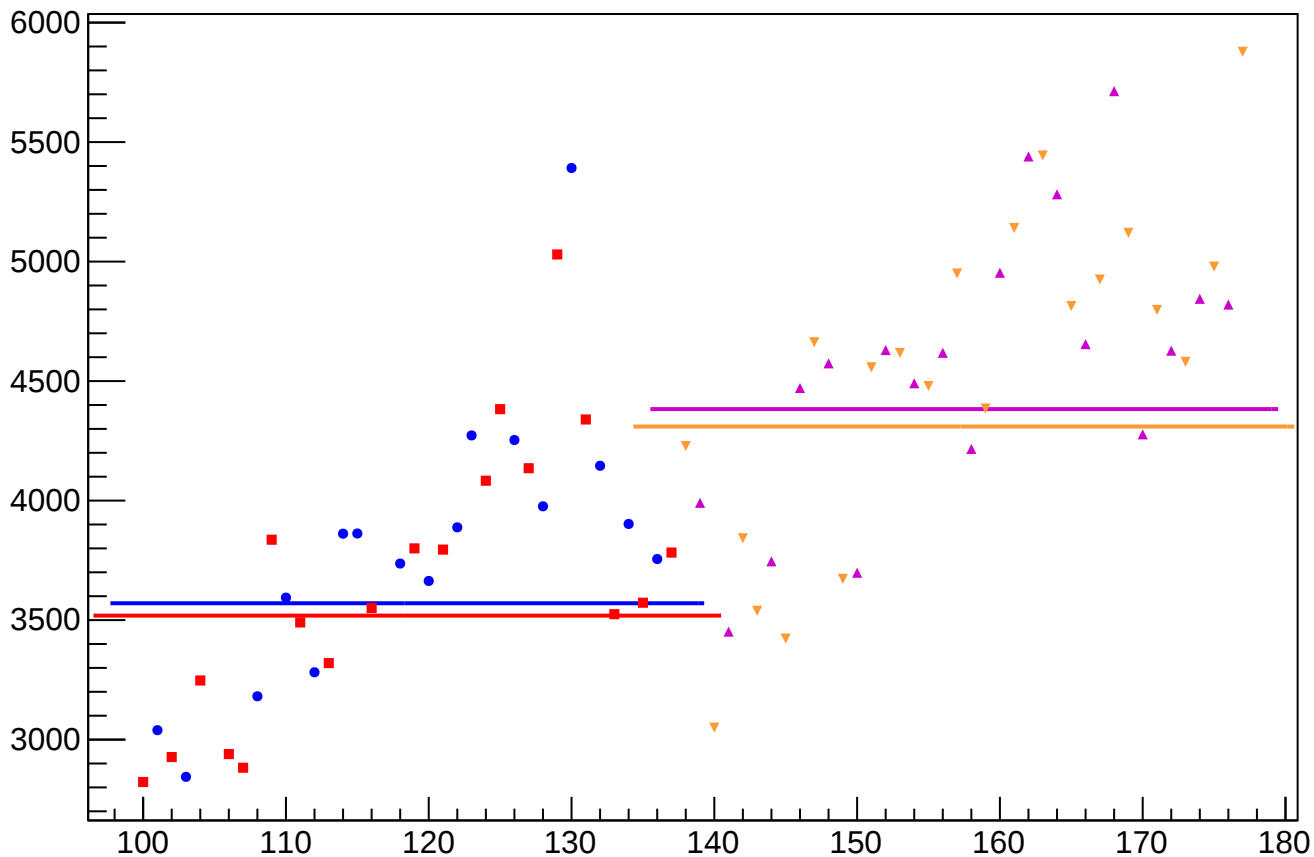
Right: 2.256 $\pm$ 0.967 χ^2 /NDF: 40.9/35

In: 1.164 $\pm$ 0.891 χ^2 /NDF:53.7/35

Out: -0.102 $\pm$ 0.850 χ^2 /NDF:38.5/39

All: 0.501 $\pm$ 0.615 χ^2 /NDF: 93.2/75

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4309.870+/-0.780 χ^2/NDF : 888695.2/20

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

Left In: 4382.879+/-0.815 χ^2/NDF : 497627.9/18

Left: 4344.759+/-0.563 χ^2/NDF : 1390511.7/39

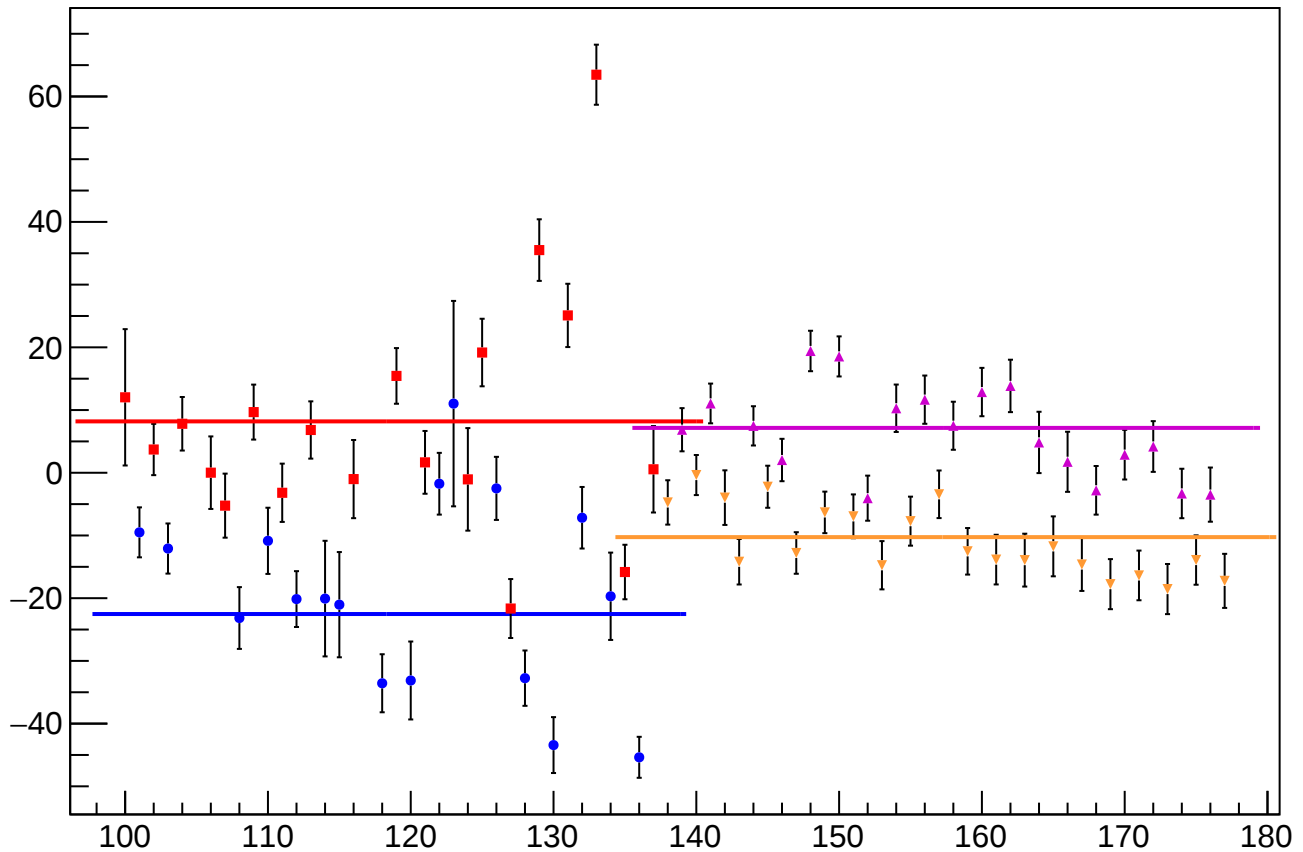
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 4055.411+/-0.630 χ^2/NDF : 1207704.2/35

Out: 3988.628+/-0.601 χ^2/NDF : 1599919.5/39

All: 4020.457+/-0.435 χ^2/NDF : 2813509.2/75

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -10.263 ± 0.827 χ^2/NDF : 45.8/20

Right Out: 8.192 ± 1.157 χ^2/NDF : 275.8/18

Left In: 7.154 ± 0.854 χ^2/NDF : 70.5/18

Left: -1.838 ± 0.594 χ^2/NDF : 330.8/39

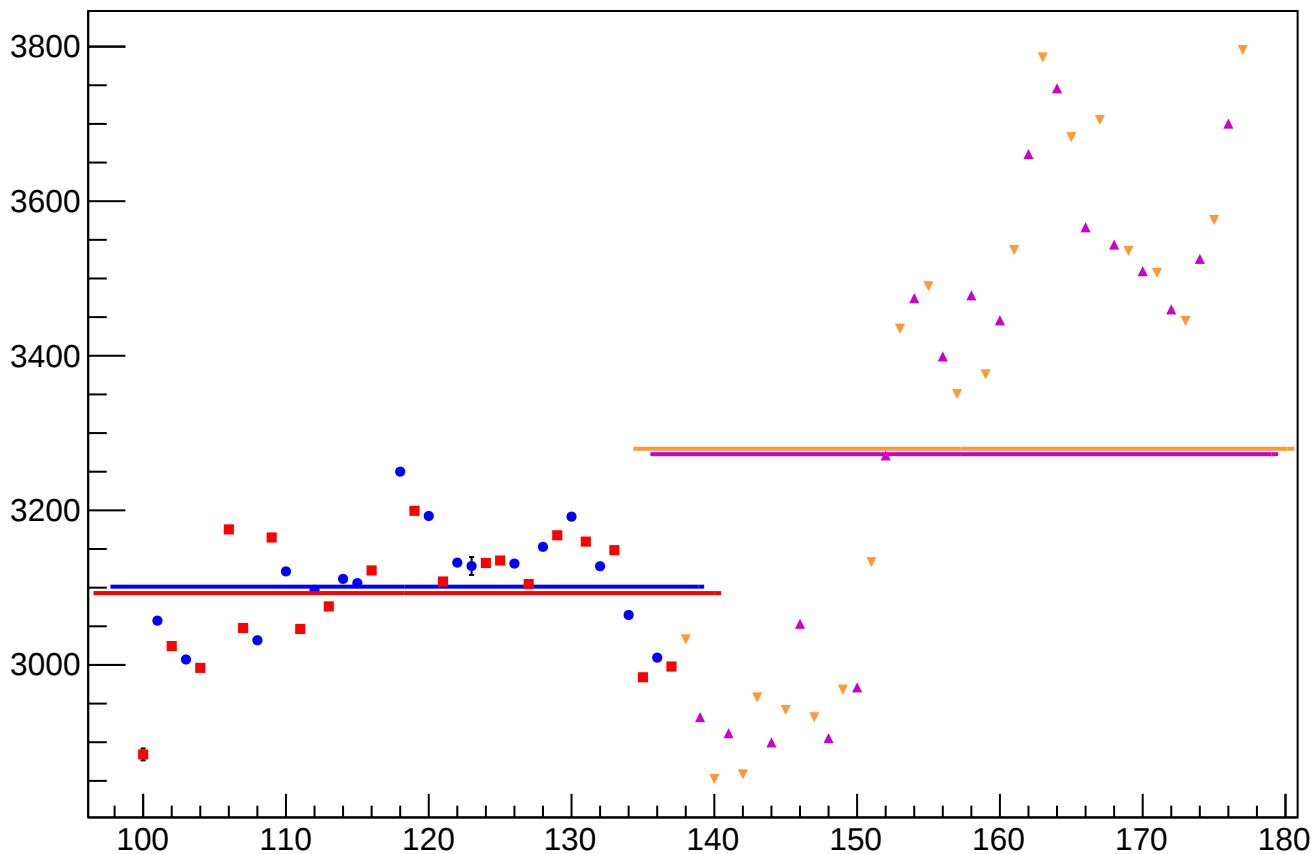
Right: -6.598 ± 0.833 χ^2/NDF : 770.8/35

In: -2.823 ± 0.696 χ^2/NDF : 631.7/35

Out: -4.022 ± 0.673 χ^2/NDF : 490.0/39

All: -3.443 ± 0.484 χ^2/NDF : 1123.3/75

diff_bpm0l01X_rms vs Slug, Sign Corrected



Left: 3276.310 ± 0.420 $\chi^2/\text{NDF}: 521068.3/39$

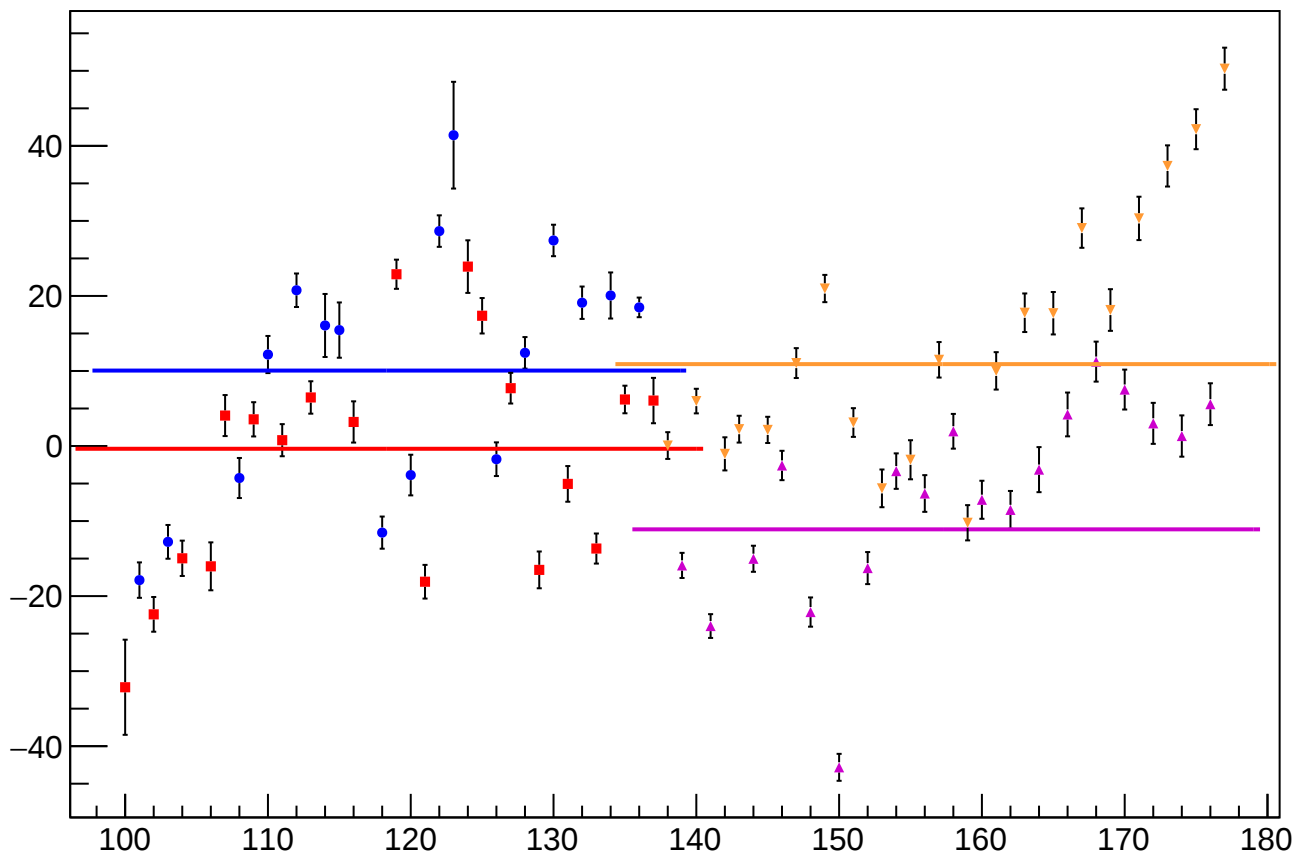
Right: 3096.979 ± 0.589 $\chi^2/\text{NDF}: 15049.1/35$

In: 3215.065 ± 0.492 $\chi^2/\text{NDF}: 270648.5/35$

Out: 3216.562 ± 0.476 $\chi^2/\text{NDF}: 326894.4/39$

All: 3215.839 ± 0.342 $\chi^2/\text{NDF}: 597547.7/75$

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 10.914 ± 0.485 χ^2/NDF : 860.3/20

Right Out: -0.367 ± 0.547 χ^2/NDF : 629.8/18

Left In: -11.105 ± 0.507 χ^2/NDF : 735.3/18

Left: 0.402 ± 0.350 χ^2/NDF : 2581.5/39

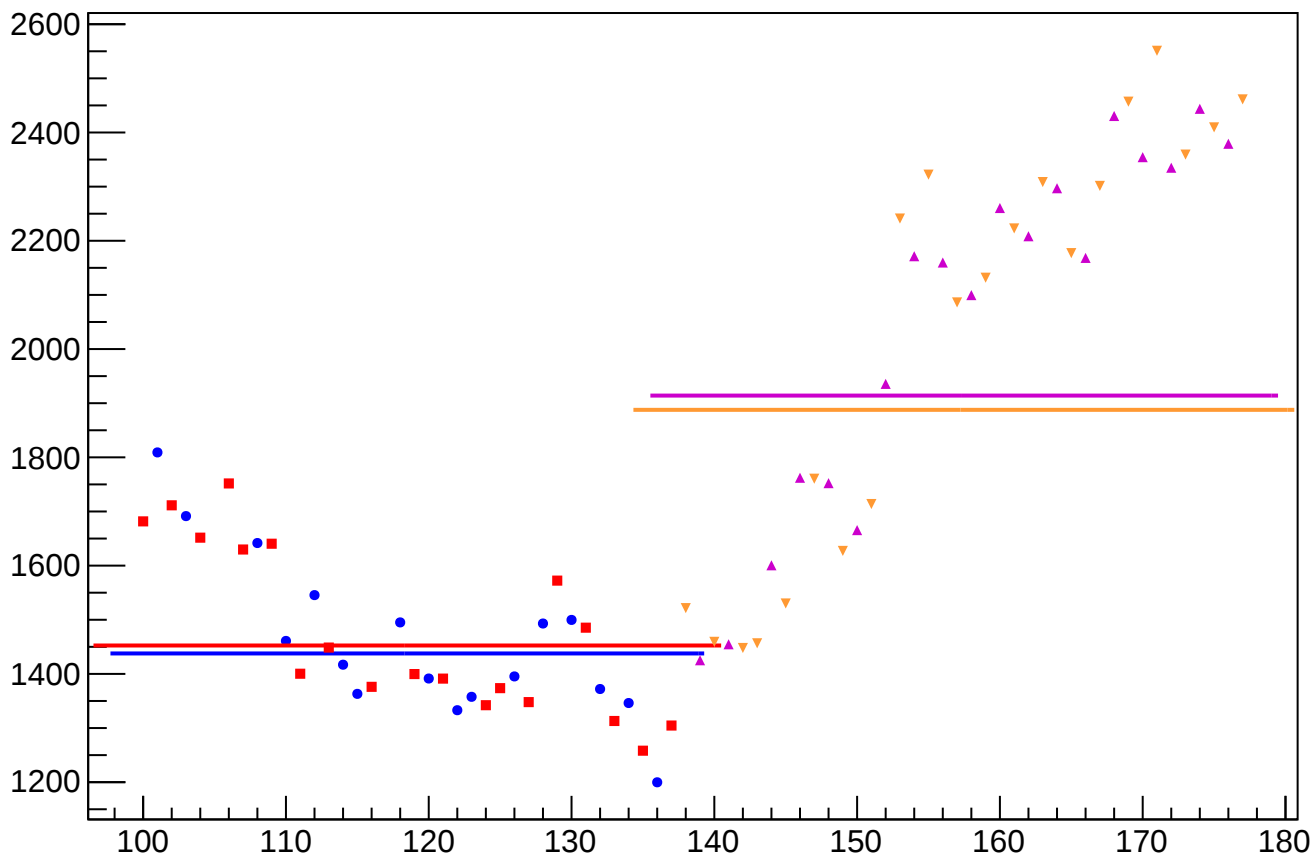
Right: 4.707 ± 0.392 χ^2/NDF : 1498.8/35

In: -1.605 ± 0.376 χ^2/NDF : 2209.7/35

Out: 5.954 ± 0.363 χ^2/NDF : 1728.5/39

All: 2.314 ± 0.261 χ^2/NDF : 4147.4/75

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1887.727 $\pm$ 0.343 χ^2 /NDF: 1266415.1/20

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

Left In: 1914.065 $\pm$ 0.358 χ^2 /NDF: 944351.6/18

Left: 1900.301 $\pm$ 0.248 χ^2 /NDF: 2213587.8/39

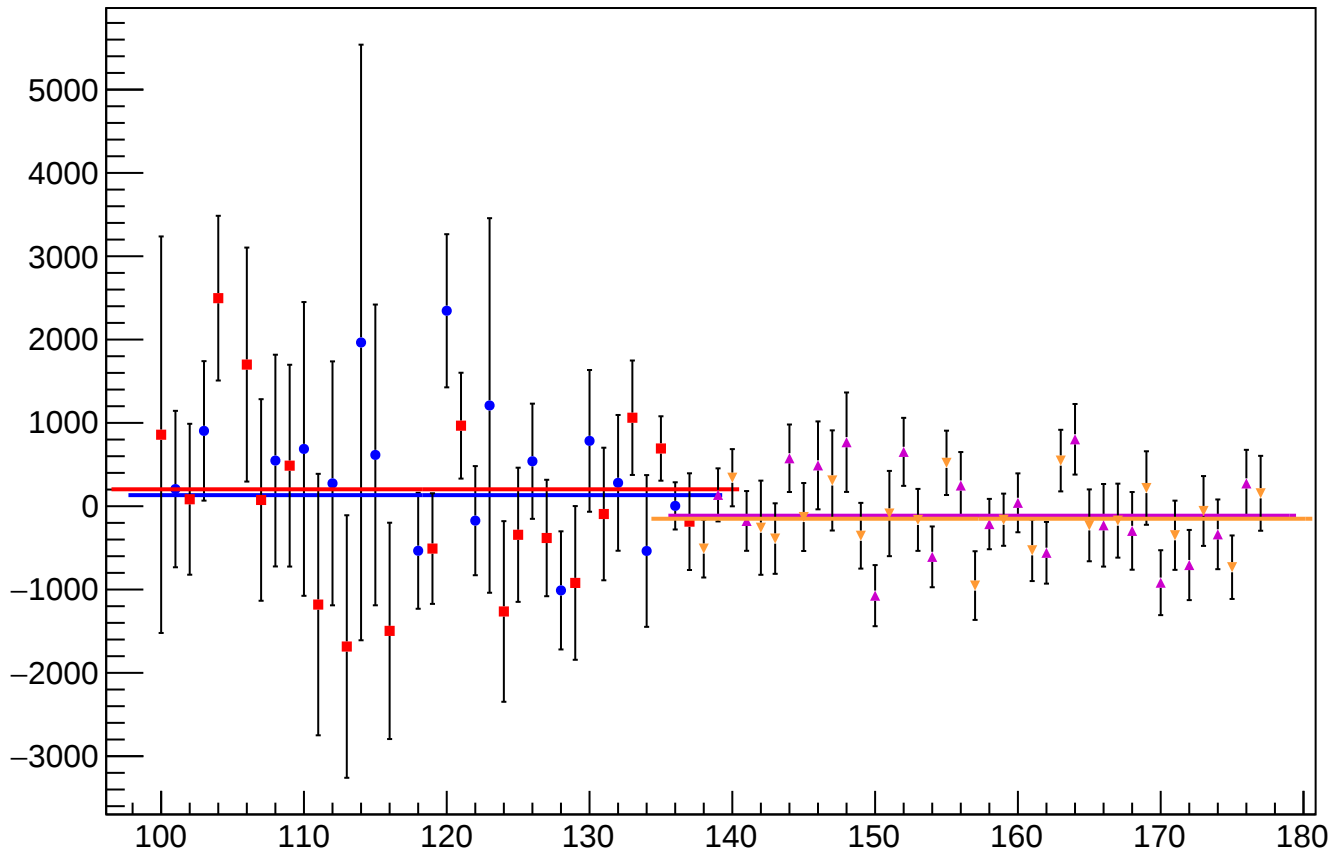
Right: 1445.316 $\pm$ 0.277 χ^2 /NDF: 312524.3/35

In: 1700.236 $\pm$ 0.266 χ^2 /NDF: 1910137.1/35

Out: 1696.361 $\pm$ 0.256 χ^2 /NDF: 2114527.2/39

All: 1698.227 $\pm$ 0.185 χ^2 /NDF: 4024774.2/75

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -150.413 $\pm$ 88.343 χ^2 /NDF:19.6/20

Right Out: 203.062 $\pm$ 184.353 χ^2 /NDF: 21.4/18

Left In: -113.918 $\pm$ 90.580 χ^2 /NDF:34.1/18

Left: -132.621 $\pm$ 63.244 χ^2 /NDF: 53.8/39

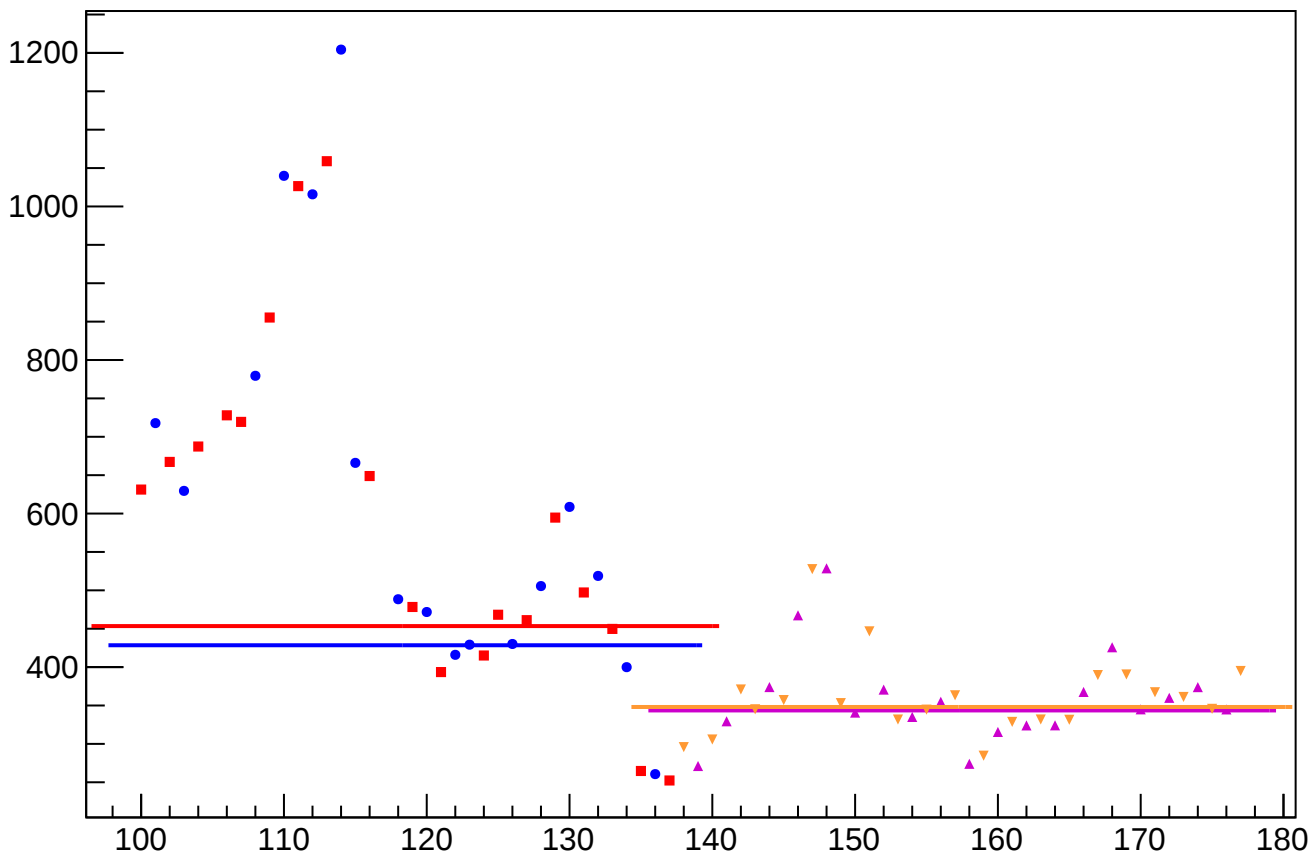
Right: 167.206 $\pm$ 128.890 χ^2 /NDF: 34.4/35

In: -64.160 $\pm$ 80.937 χ^2 /NDF:48.5/35

Out: -84.401 $\pm$ 79.668 χ^2 /NDF:44.0/39

All: -74.440 $\pm$ 56.777 χ^2 /NDF: 92.5/75

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 348.063+/-0.062 χ^2/NDF :498375.1/20

Right Out: 453.435+/-0.130 χ^2/NDF : 2029813.8/18

Left In: 343.565+/-0.064 χ^2/NDF :640845.8/18

Left: 345.871+/-0.045 χ^2/NDF : 1141748.5/39

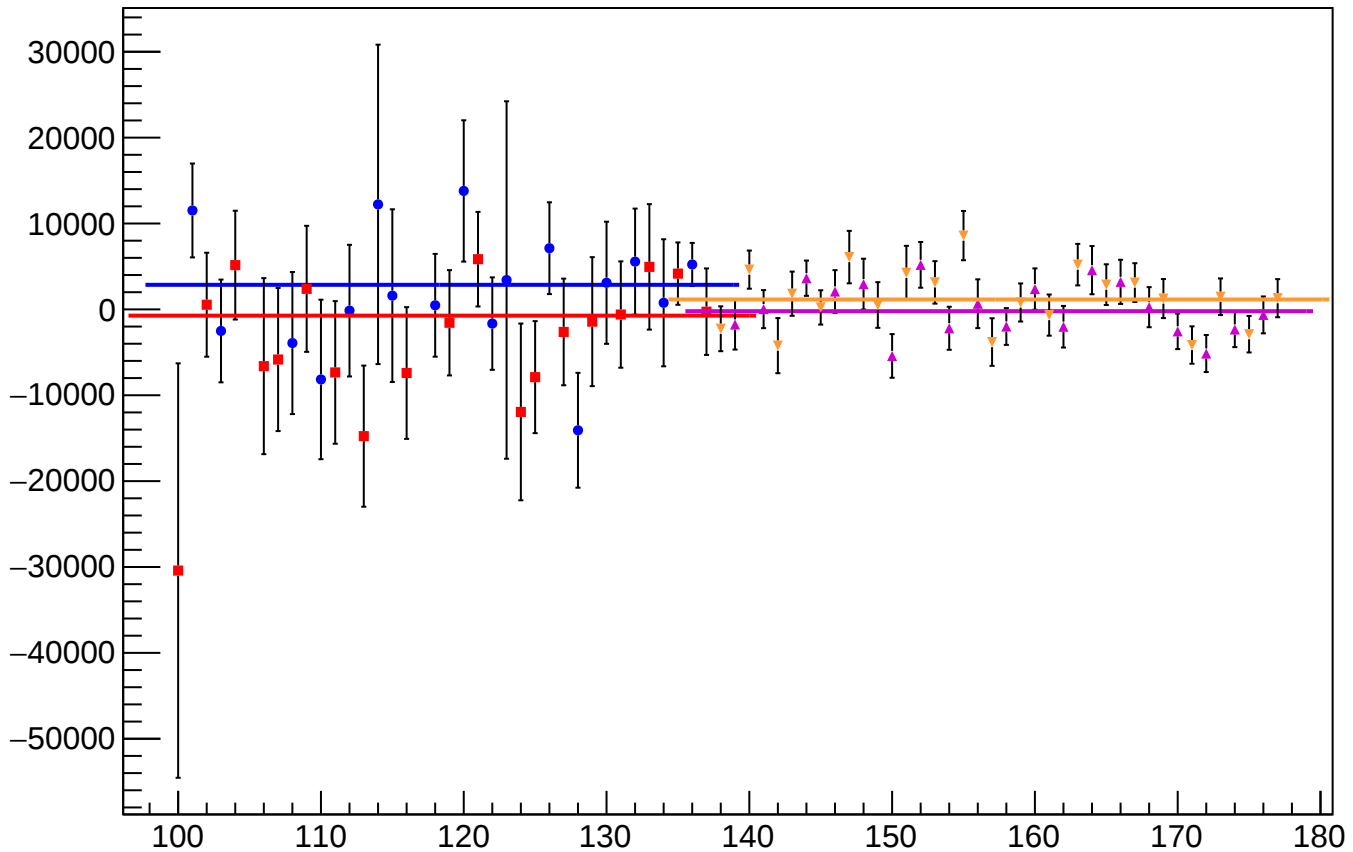
Right: 440.668+/-0.091 χ^2/NDF : 4060031.3/35

In: 360.678+/-0.057 χ^2/NDF :3006439.0/35

Out: 367.742+/-0.056 χ^2/NDF :3059564.0/39

All: 364.266+/-0.040 χ^2/NDF : 6073739.7/75

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 1152.740+/-528.123 χ^2/NDF : 35.8/20

Right Out: -729.571+/-1509.224 χ^2/NDF : 14.0/18

Left In: -208.470+/-547.427 χ^2/NDF : 29.5/18

Left: 496.558+/-380.080 χ^2/NDF : 68.5/39

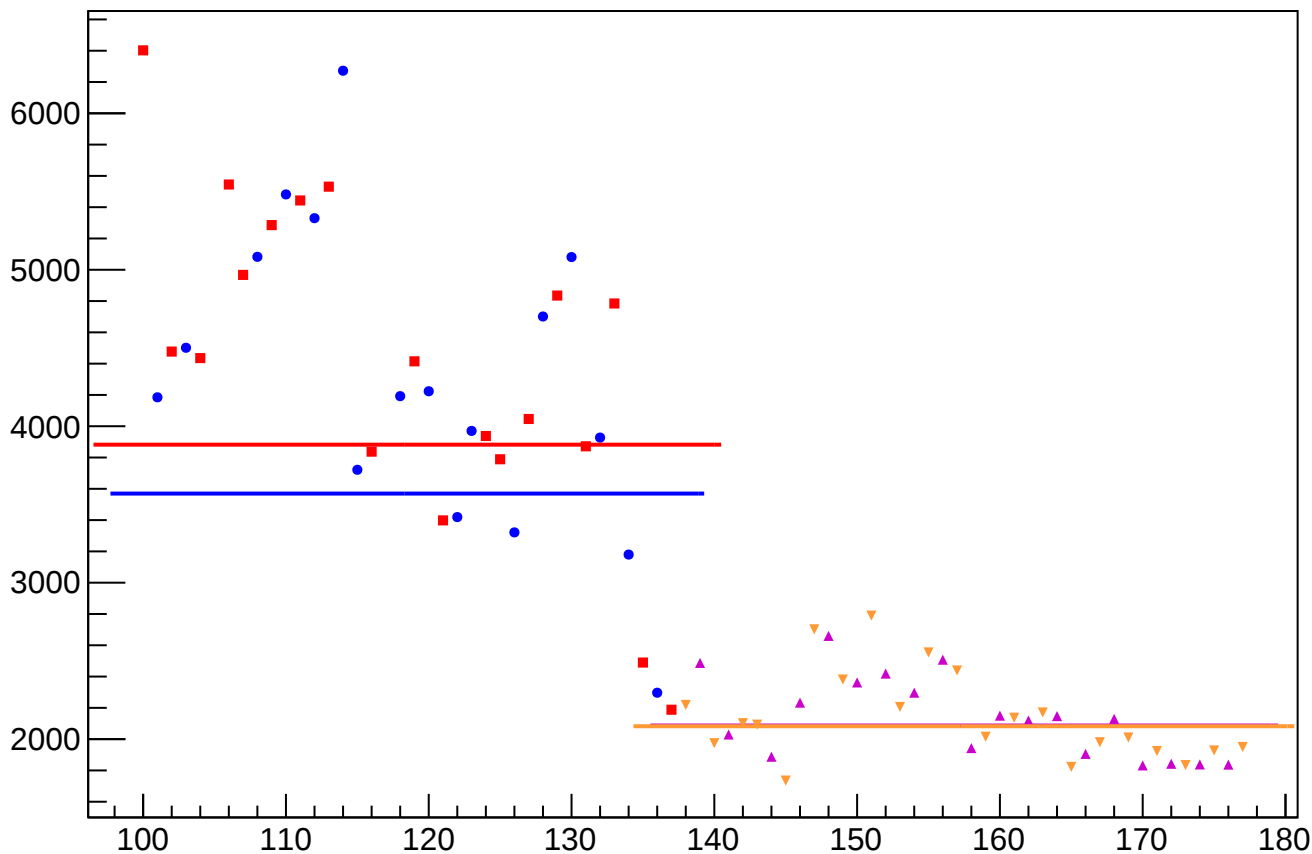
Right: 1139.446+/-1044.821 χ^2/NDF : 33.6/35

In: 175.260+/-512.050 χ^2/NDF : 50.1/35

Out: 947.394+/-498.484 χ^2/NDF : 51.1/39

All: 571.691+/-357.181 χ^2/NDF : 102.4/75

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 ± 1.024 $\chi^2/\text{NDF}: 1087935.4/16$

Left Out: 2082.497 ± 0.373 $\chi^2/\text{NDF}: 463121.2/20$

Right Out: 3882.169 ± 1.067 $\chi^2/\text{NDF}: 983087.5/18$

Left In: 2087.089 ± 0.387 $\chi^2/\text{NDF}: 386661.8/18$

Left: 2084.711 ± 0.269 $\chi^2/\text{NDF}: 849856.0/39$

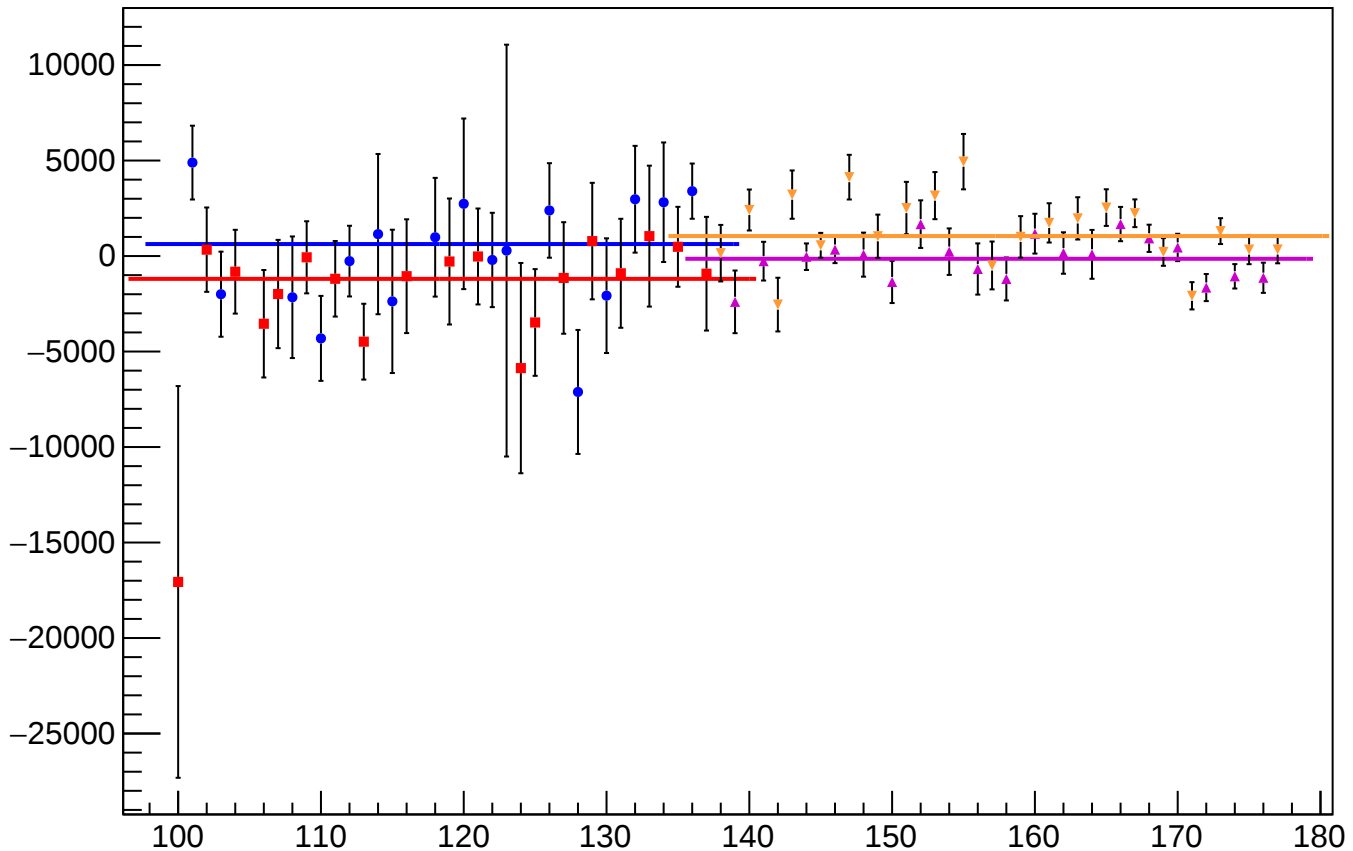
Right: 3719.420 ± 0.739 $\chi^2/\text{NDF}: 2115685.3/35$

In: 2272.512 ± 0.362 $\chi^2/\text{NDF}: 3309231.5/35$

Out: 2278.827 ± 0.352 $\chi^2/\text{NDF}: 3979830.6/39$

All: 2275.755 ± 0.253 $\chi^2/\text{NDF}: 7289218.3/75$

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1046.563 ± 204.575 χ^2/NDF : 60.5/20

Right Out: -1195.385 ± 603.058 χ^2/NDF : 9.9/18

Left In: -144.300 ± 207.529 χ^2/NDF : 23.8/18

Left: 459.668 ± 145.690 χ^2/NDF : 101.0/39

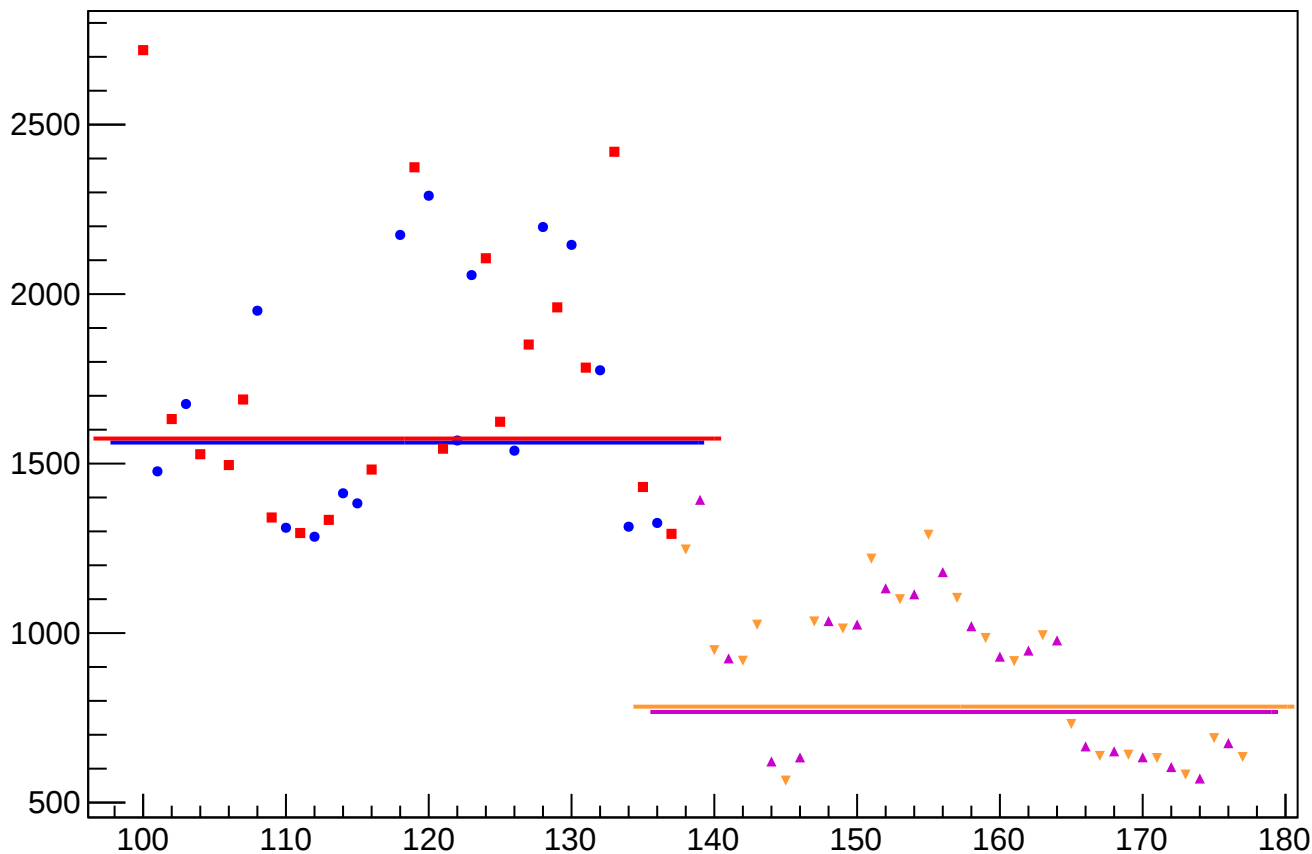
Right: -310.478 ± 432.606 χ^2/NDF : 39.4/35

In: -66.733 ± 196.827 χ^2/NDF : 50.2/35

Out: 815.192 ± 193.732 χ^2/NDF : 82.8/39

All: 381.219 ± 138.070 χ^2/NDF : 143.2/75

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 782.935 $\pm$ 0.145 χ^2 /NDF: 2164527.6/20

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

Left In: 767.117 $\pm$ 0.147 χ^2 /NDF: 1969514.8/18

Left: 775.140 $\pm$ 0.103 χ^2 /NDF: 4139935.3/39

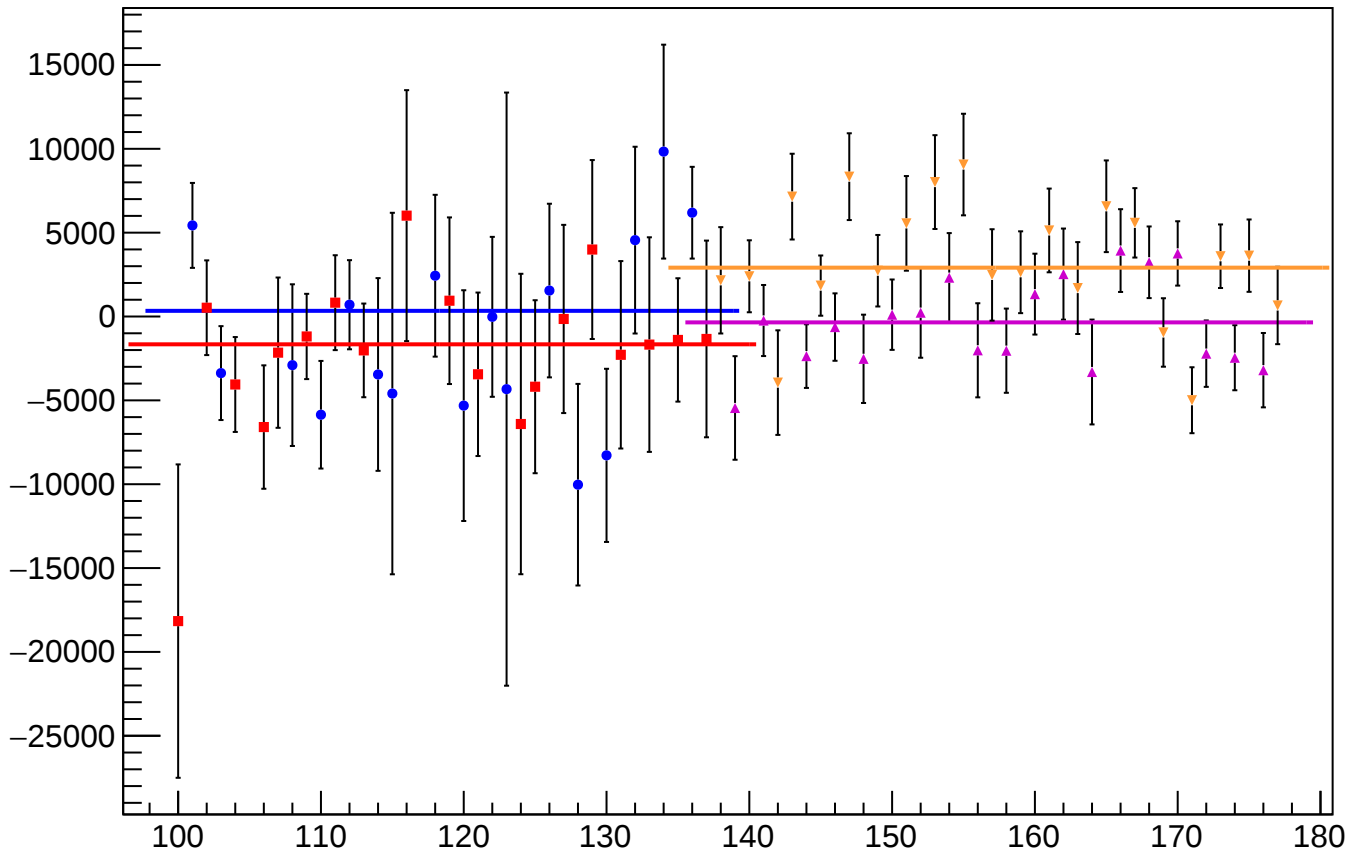
Right: 1568.176 $\pm$ 0.306 χ^2 /NDF: 946451.6/35

In: 846.998 $\pm$ 0.139 χ^2 /NDF: 5400589.3/35

Out: 864.564 $\pm$ 0.137 χ^2 /NDF: 5714039.1/39

All: 855.920 $\pm$ 0.098 χ^2 /NDF: 11122719.4/75

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 2912.909 $\pm$ 515.853 χ^2 /NDF:46.2/20

Right Out: -1658.069 $\pm$ 924.453 χ^2 /NDF: 10.3/18

Left In: -350.441 $\pm$ 528.605 χ^2 /NDF:23.1/18

Left: 1321.073 $\pm$ 369.189 χ^2 /NDF: 88.8/39

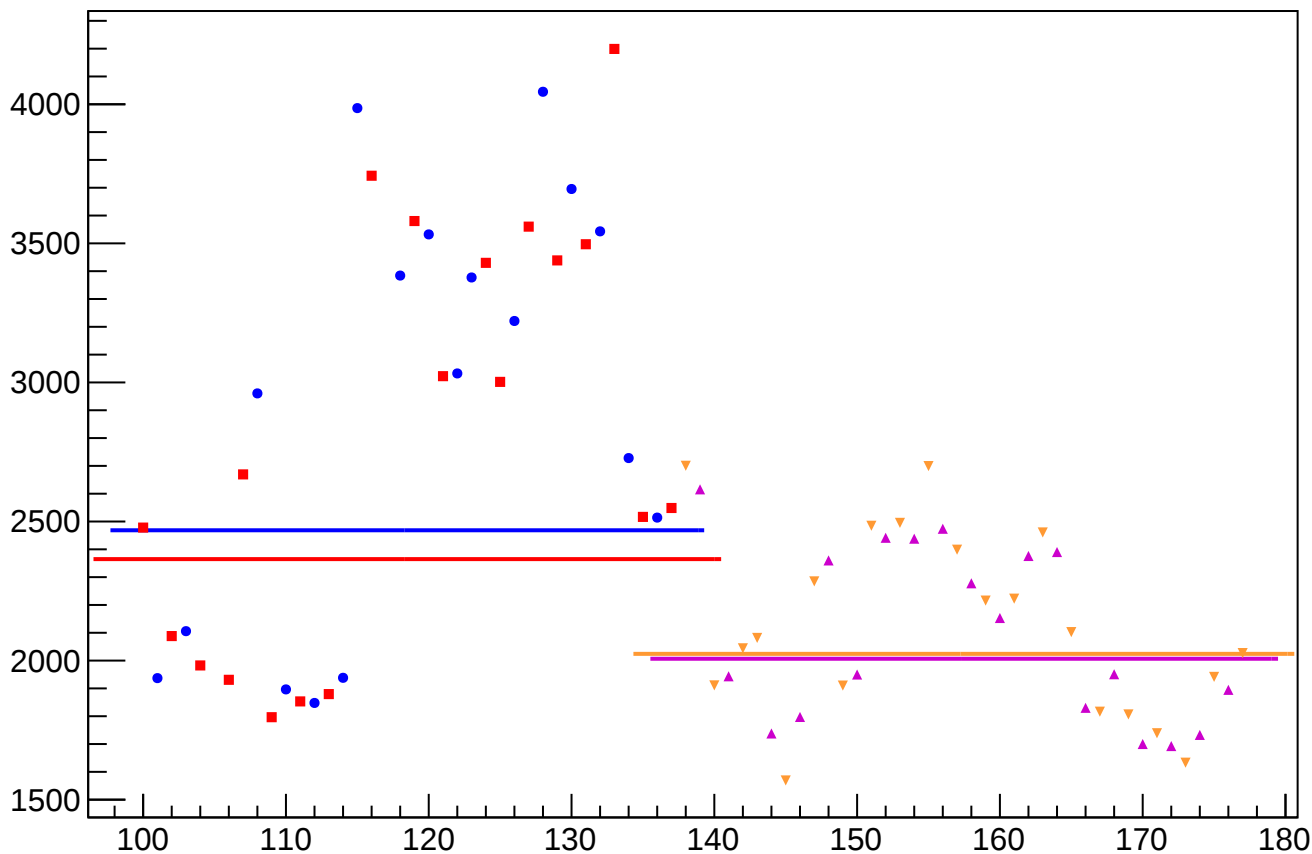
Right: -734.084 $\pm$ 677.520 χ^2 /NDF: 37.2/35

In: -199.079 $\pm$ 466.904 χ^2 /NDF:48.2/35

Out: 1827.573 $\pm$ 450.466 χ^2 /NDF:75.1/39

All: 850.549 $\pm$ 324.183 χ^2 /NDF: 133.1/75

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2024.222 $\pm$ 0.365 χ^2 /NDF: 749928.8/20

Right Out: 2364.833 $\pm$ 0.654 χ^2 /NDF: 1025161.0/18

Left In: 2006.584 $\pm$ 0.374 χ^2 /NDF: 595087.7/18

Left: 2015.618 $\pm$ 0.261 χ^2 /NDF: 1346157.0/39

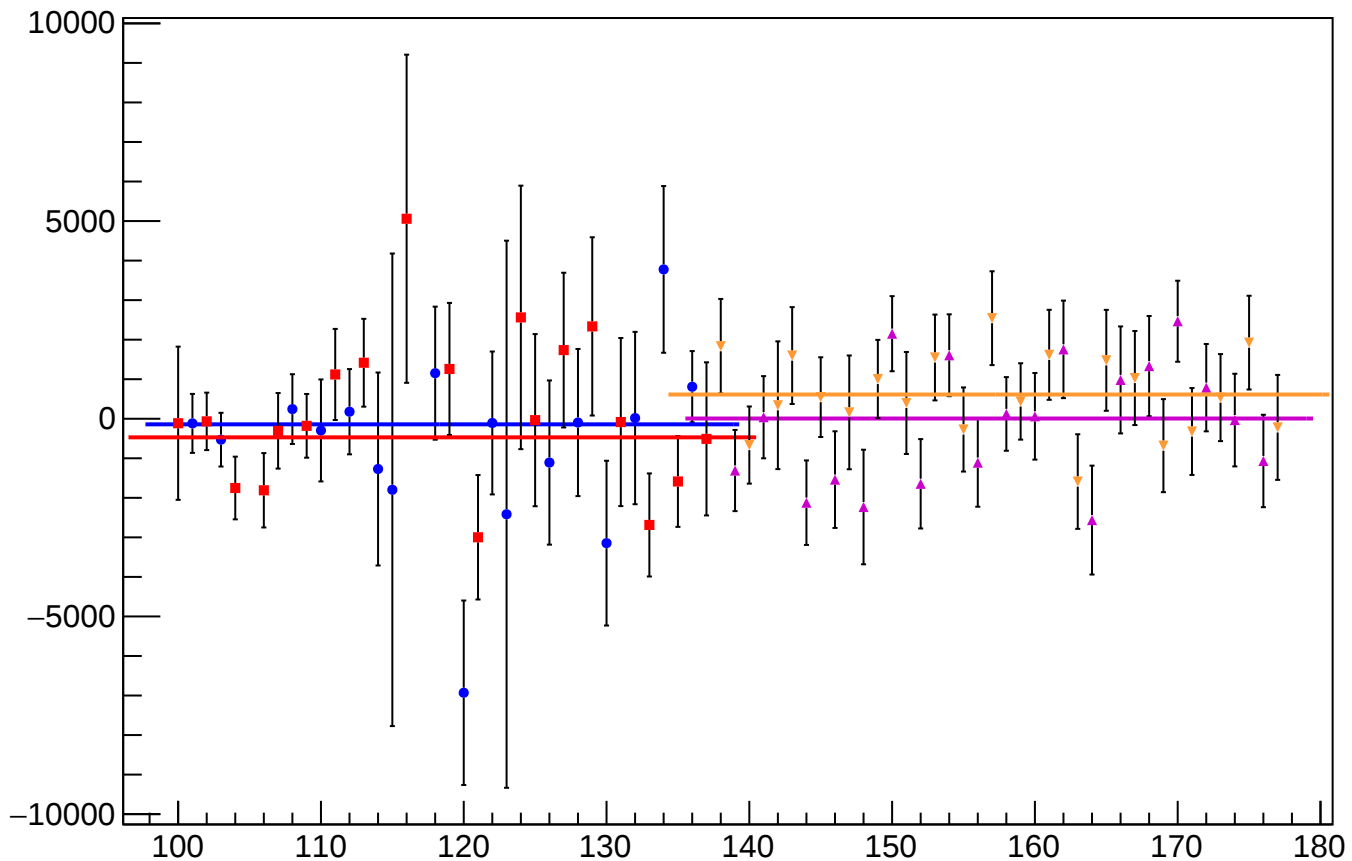
Right: 2412.813 $\pm$ 0.479 χ^2 /NDF: 1932953.4/35

In: 2108.122 $\pm$ 0.330 χ^2 /NDF: 1826937.9/35

Out: 2105.097 $\pm$ 0.319 χ^2 /NDF: 1982128.5/39

All: 2106.555 $\pm$ 0.229 χ^2 /NDF: 3809109.9/75

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 613.053 ± 251.185 $\chi^2/\text{NDF}: 16.1/20$

Right Out: -470.143 ± 282.892 $\chi^2/\text{NDF}: 22.9/18$

Left In: 5.910 ± 257.367 $\chi^2/\text{NDF}: 34.5/18$

Left: 316.862 ± 179.760 $\chi^2/\text{NDF}: 53.4/39$

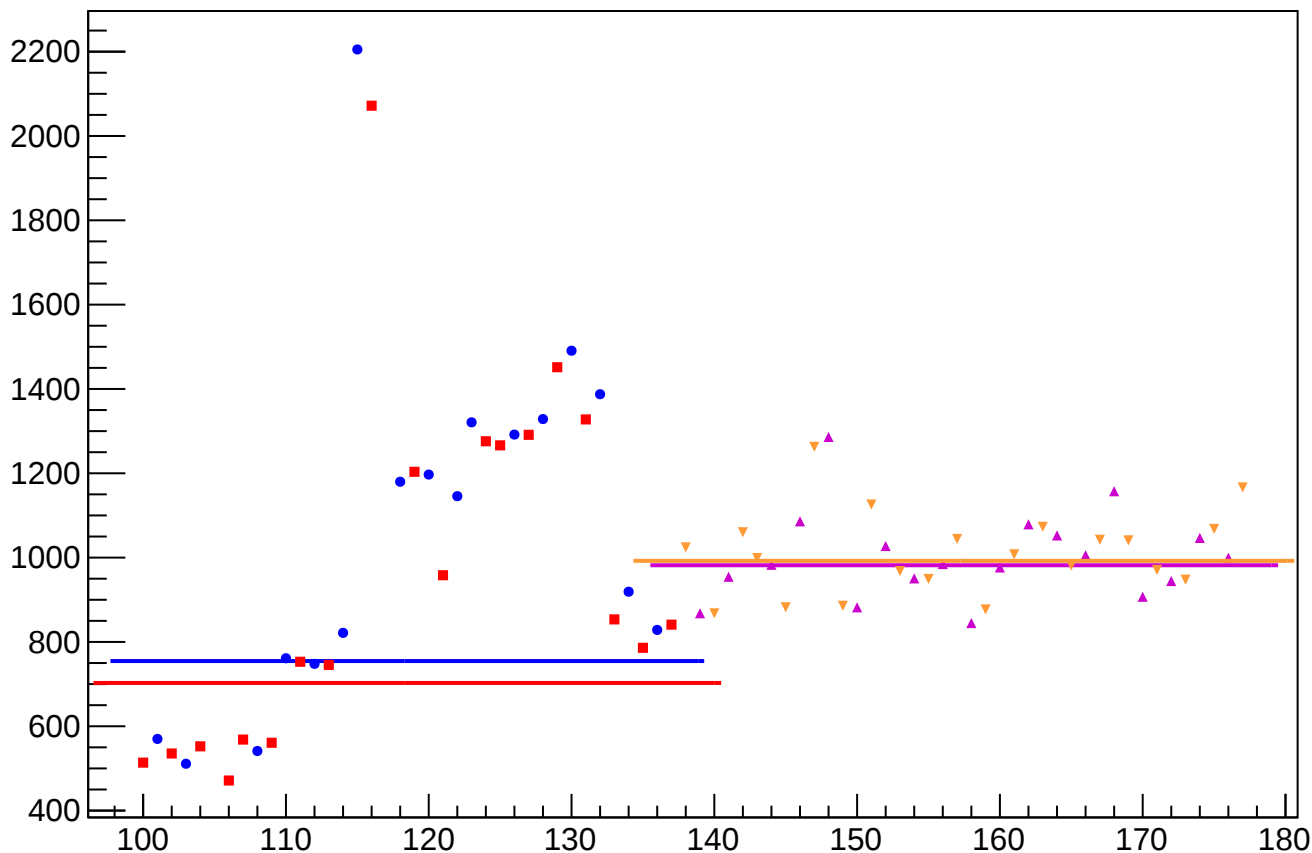
Right: -322.421 ± 209.970 $\chi^2/\text{NDF}: 40.5/35$

In: -53.364 ± 198.875 $\chi^2/\text{NDF}: 51.5/35$

Out: 135.538 ± 187.828 $\chi^2/\text{NDF}: 47.3/39$

All: 46.478 ± 136.553 $\chi^2/\text{NDF}: 99.3/75$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2/NDF : 1690621.2/16

Left Out: 992.356 $\pm$ 0.178 χ^2/NDF : 276527.4/20

Right Out: 702.721 $\pm$ 0.200 χ^2/NDF : 1691602.9/18

Left In: 981.885 $\pm$ 0.182 χ^2/NDF : 275315.4/18

Left: 987.248 $\pm$ 0.127 χ^2/NDF : 553538.1/39

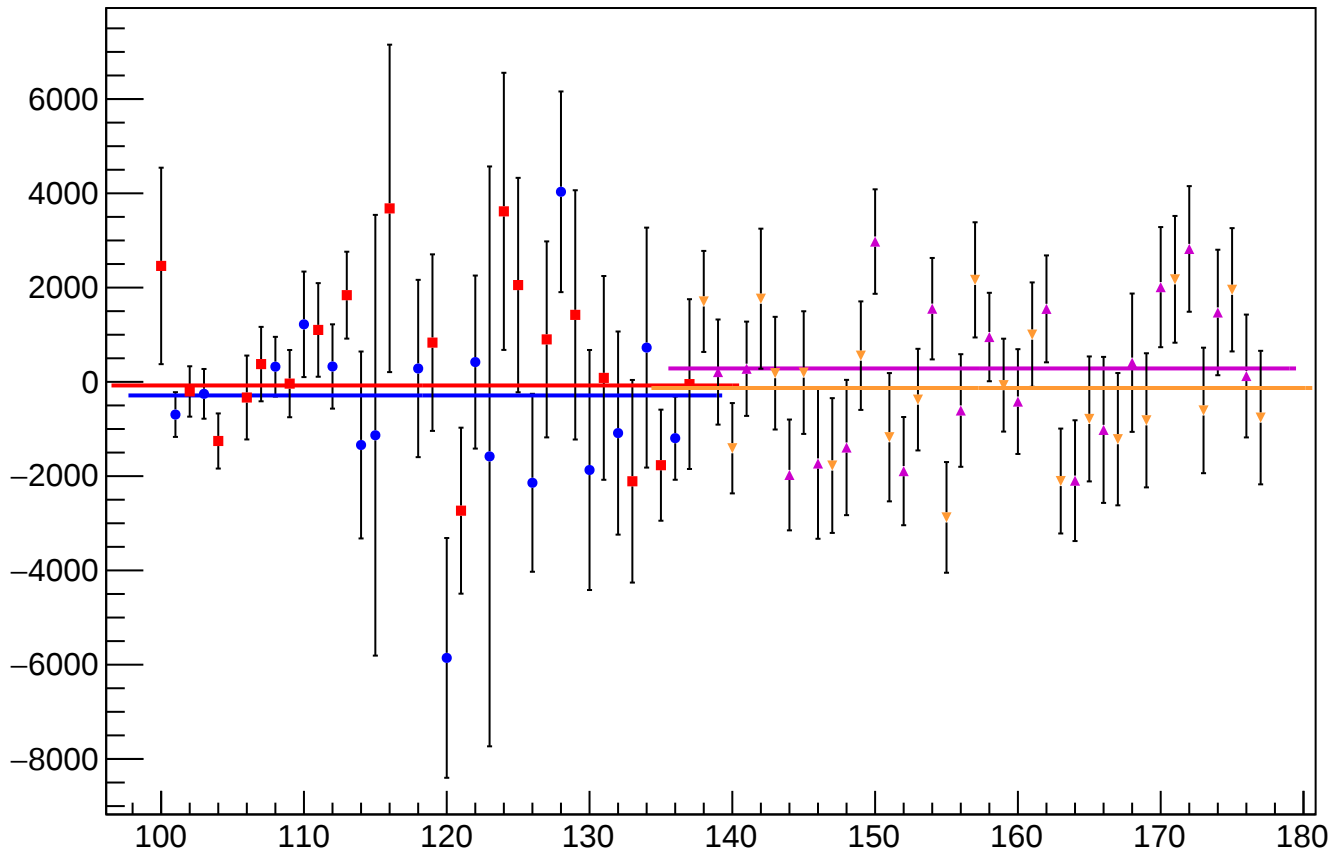
Right: 726.058 $\pm$ 0.148 χ^2/NDF : 3412528.8/35

In: 890.348 $\pm$ 0.141 χ^2/NDF : 2593899.8/35

Out: 864.674 $\pm$ 0.133 χ^2/NDF : 3140394.6/39

All: 876.778 $\pm$ 0.097 χ^2/NDF : 5751912.0/75

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 ± 250.436 χ^2/NDF : 16.2/16

Left Out: -130.059 ± 265.689 χ^2/NDF : 28.9/20

Right Out: -76.119 ± 246.083 χ^2/NDF : 21.4/18

Left In: 284.657 ± 276.420 χ^2/NDF : 30.7/18

Left: 69.094 ± 191.552 χ^2/NDF : 60.7/39

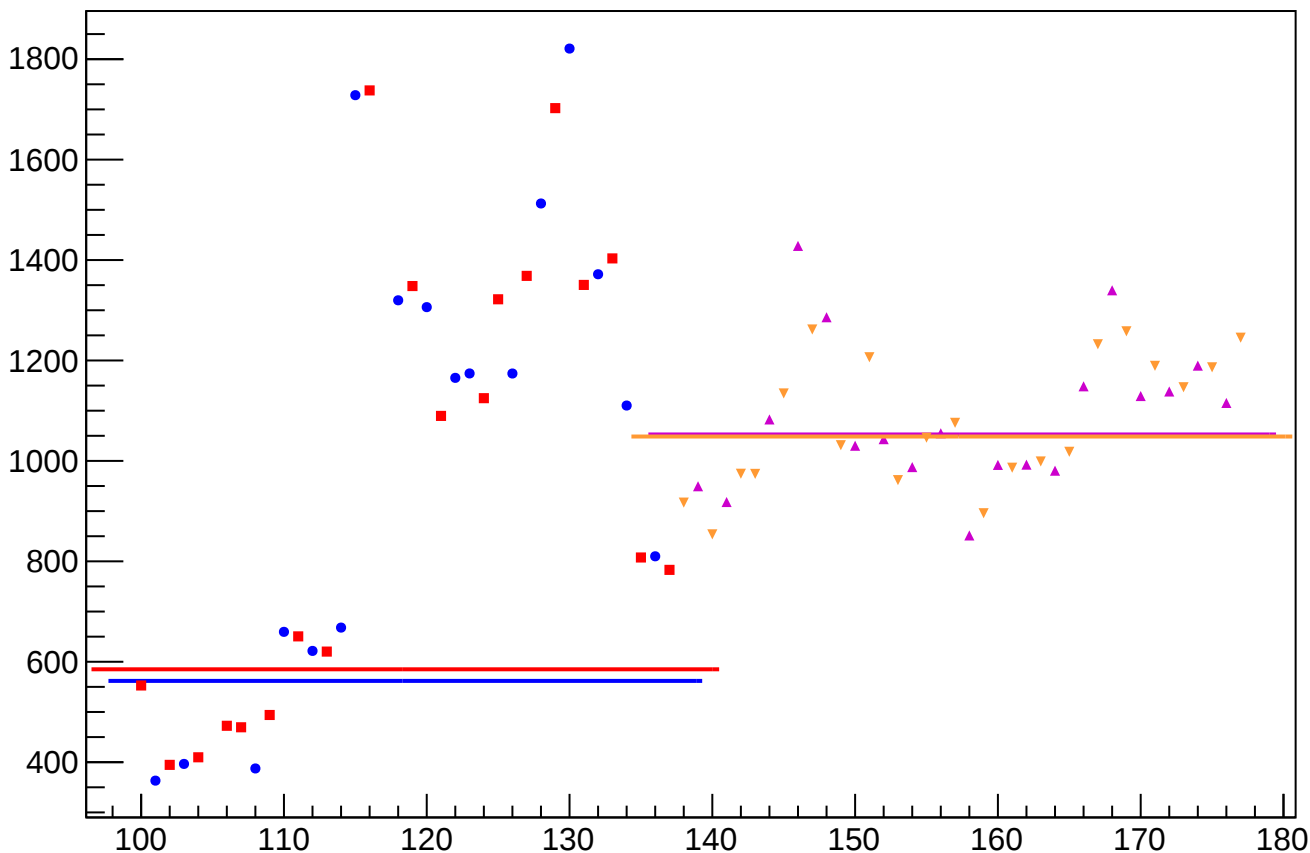
Right: -180.221 ± 175.526 χ^2/NDF : 37.9/35

In: -29.866 ± 185.593 χ^2/NDF : 49.2/35

Out: -101.025 ± 180.541 χ^2/NDF : 50.3/39

All: -66.428 ± 129.411 χ^2/NDF : 99.5/75

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1048.556 $\pm$ 0.188 χ^2 /NDF: 450737.5/20

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

Left In: 1052.651 $\pm$ 0.195 χ^2 /NDF: 461680.5/18

Left: 1050.522 $\pm$ 0.135 χ^2 /NDF: 912646.3/39

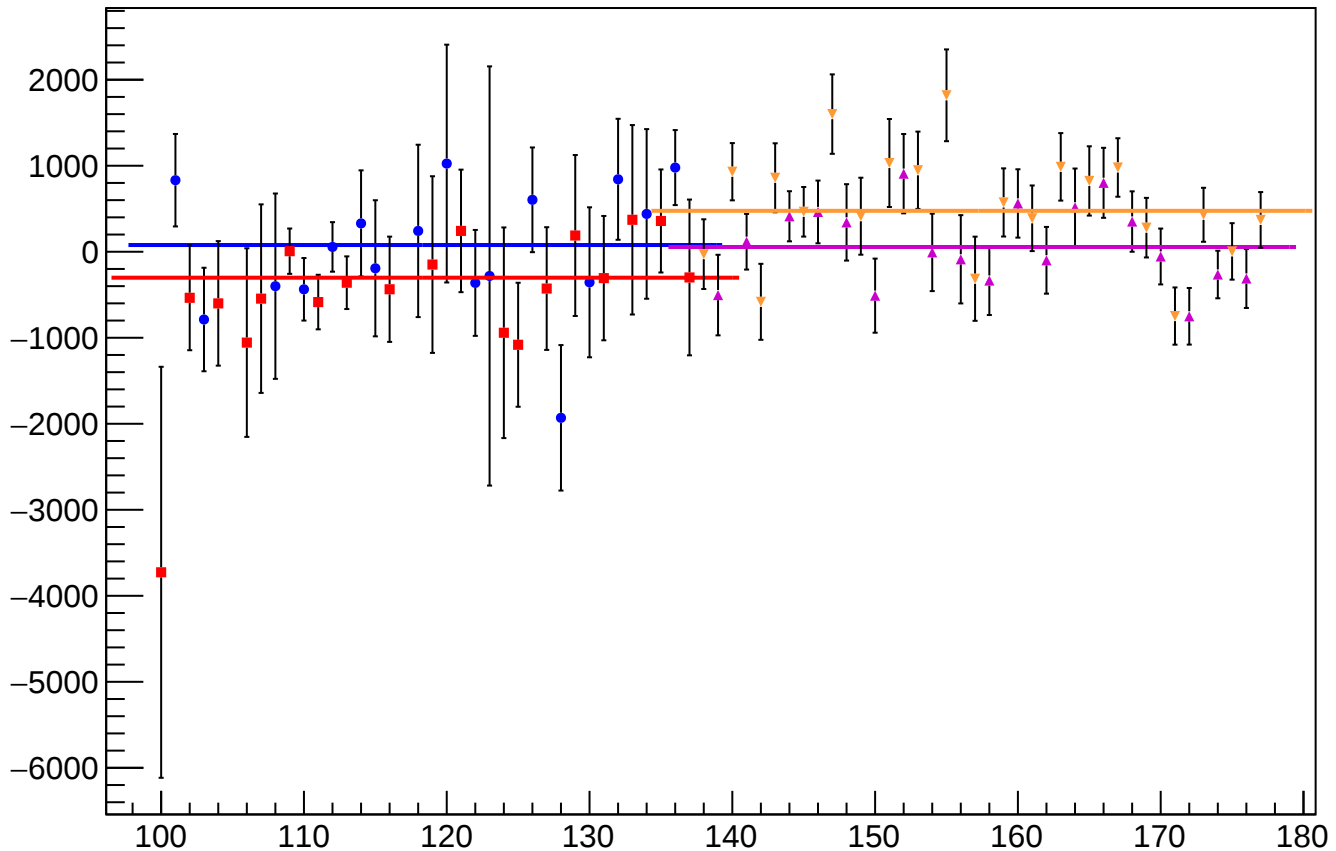
Right: 573.646 $\pm$ 0.124 χ^2 /NDF: 6049757.3/35

In: 783.127 $\pm$ 0.131 χ^2 /NDF: 7140560.9/35

Out: 799.041 $\pm$ 0.128 χ^2 /NDF: 6552260.3/39

All: 791.304 $\pm$ 0.092 χ^2 /NDF: 13700376.2/75

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 $\pm$ 142.869 χ^2/NDF : 19.8/16

Left Out: 475.869 $\pm$ 82.890 χ^2/NDF : 48.0/20

Right Out: -301.651 $\pm$ 129.650 χ^2/NDF : 9.1/18

Left In: 55.336 $\pm$ 85.774 χ^2/NDF : 26.3/18

Left: 272.792 $\pm$ 59.605 χ^2/NDF : 86.8/39

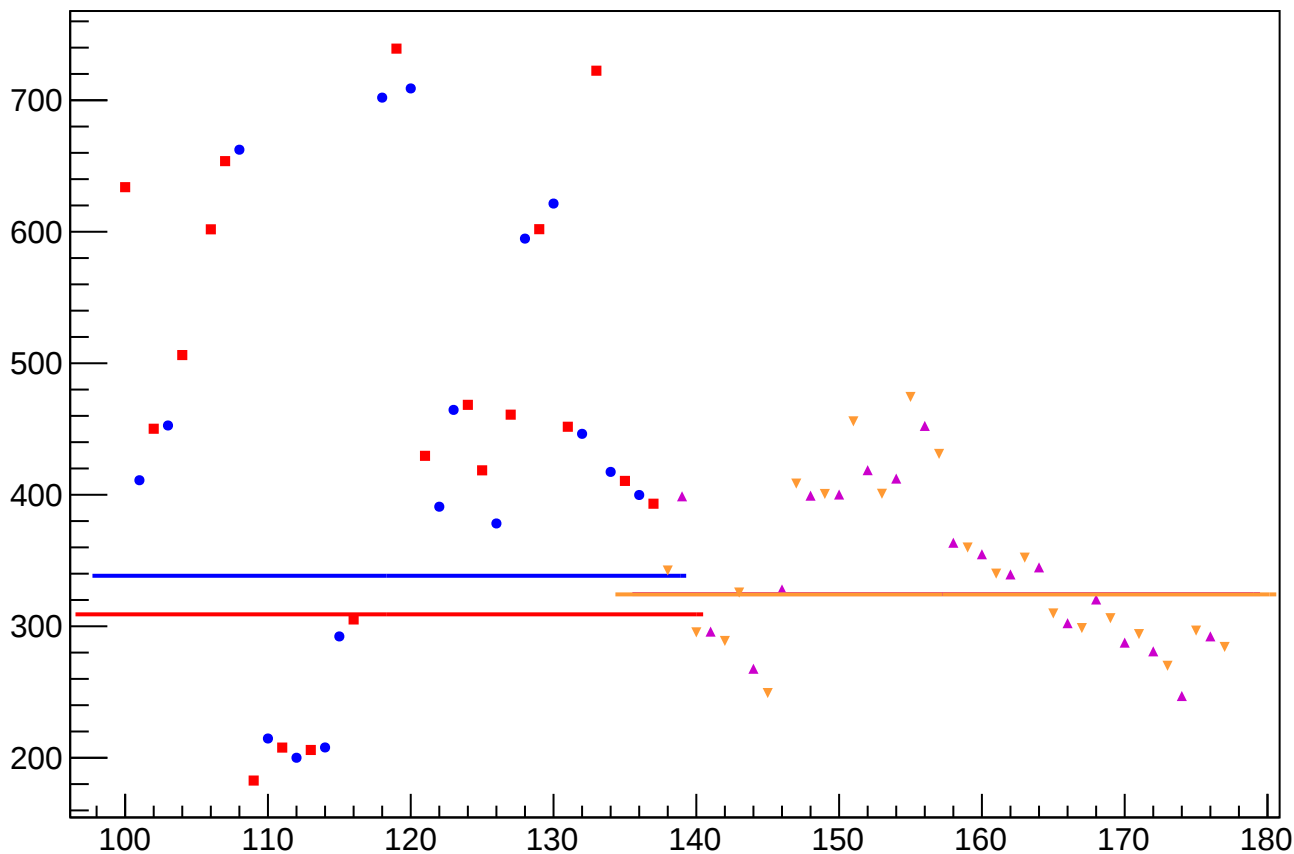
Right: -130.116 $\pm$ 96.010 χ^2/NDF : 32.7/35

In: 61.389 $\pm$ 73.539 χ^2/NDF : 46.1/35

Out: 250.270 $\pm$ 69.837 χ^2/NDF : 82.6/39

All: 160.704 $\pm$ 50.640 χ^2/NDF : 132.2/75

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 ± 0.101 χ^2/NDF : 2009287.1/16

Left Out: 324.253 ± 0.059 χ^2/NDF : 906108.0/20

Right Out: 309.081 ± 0.092 χ^2/NDF : 2733465.5/18

Left In: 324.505 ± 0.061 χ^2/NDF : 823977.6/18

Left: 324.375 ± 0.042 χ^2/NDF : 1730094.5/39

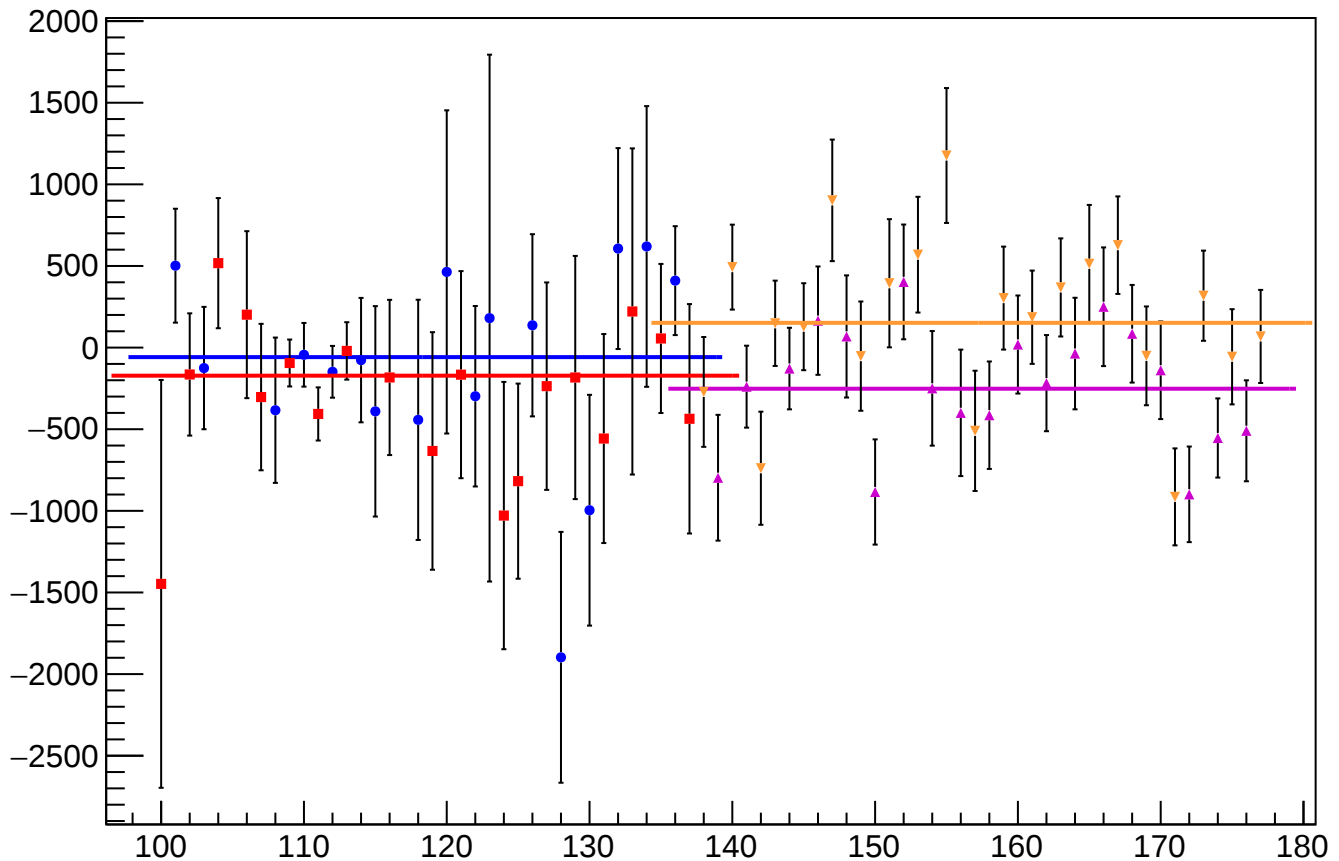
Right: 322.325 ± 0.068 χ^2/NDF : 4788966.2/35

In: 328.188 ± 0.052 χ^2/NDF : 2847186.0/35

Out: 319.851 ± 0.049 χ^2/NDF : 3659015.8/39

All: 323.805 ± 0.036 χ^2/NDF : 6519718.6/75

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 151.698 ± 68.008 χ^2/NDF : 44.1/20

Right Out: -171.954 ± 76.920 χ^2/NDF : 11.3/18

Left In: -251.831 ± 71.277 χ^2/NDF : 23.9/18

Left: -40.600 ± 49.204 χ^2/NDF : 84.8/39

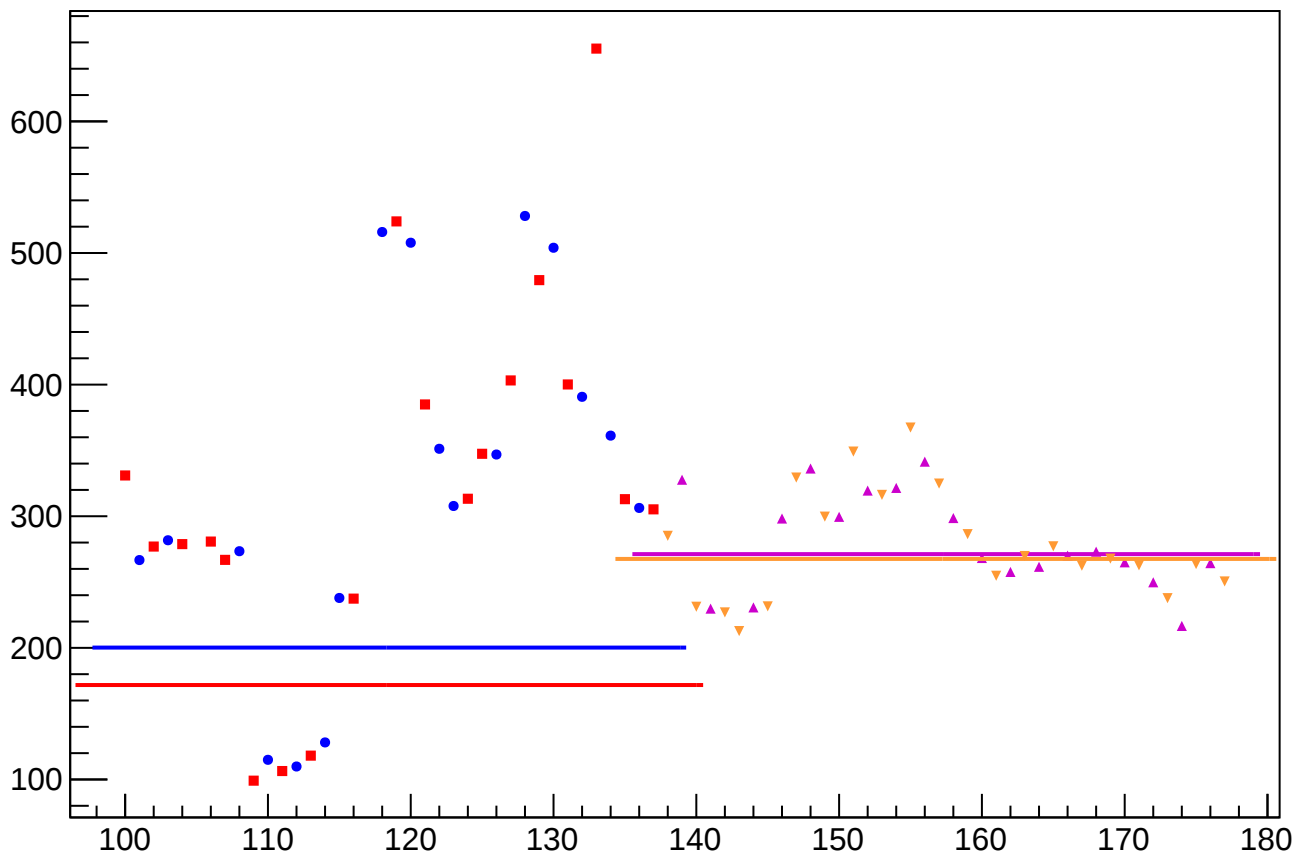
Right: -124.276 ± 58.606 χ^2/NDF : 28.1/35

In: -177.725 ± 55.992 χ^2/NDF : 42.6/35

Out: 9.699 ± 50.950 χ^2/NDF : 65.4/39

All: -75.196 ± 37.684 χ^2/NDF : 114.1/75

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 ± 0.064 $\chi^2/\text{NDF}: 3387197.7/16$

Left Out: 267.565 ± 0.048 $\chi^2/\text{NDF}: 603981.4/20$

Right Out: 171.757 ± 0.054 $\chi^2/\text{NDF}: 4093922.6/18$

Left In: 271.223 ± 0.050 $\chi^2/\text{NDF}: 517574.5/18$

Left: 269.308 ± 0.035 $\chi^2/\text{NDF}: 1124313.1/39$

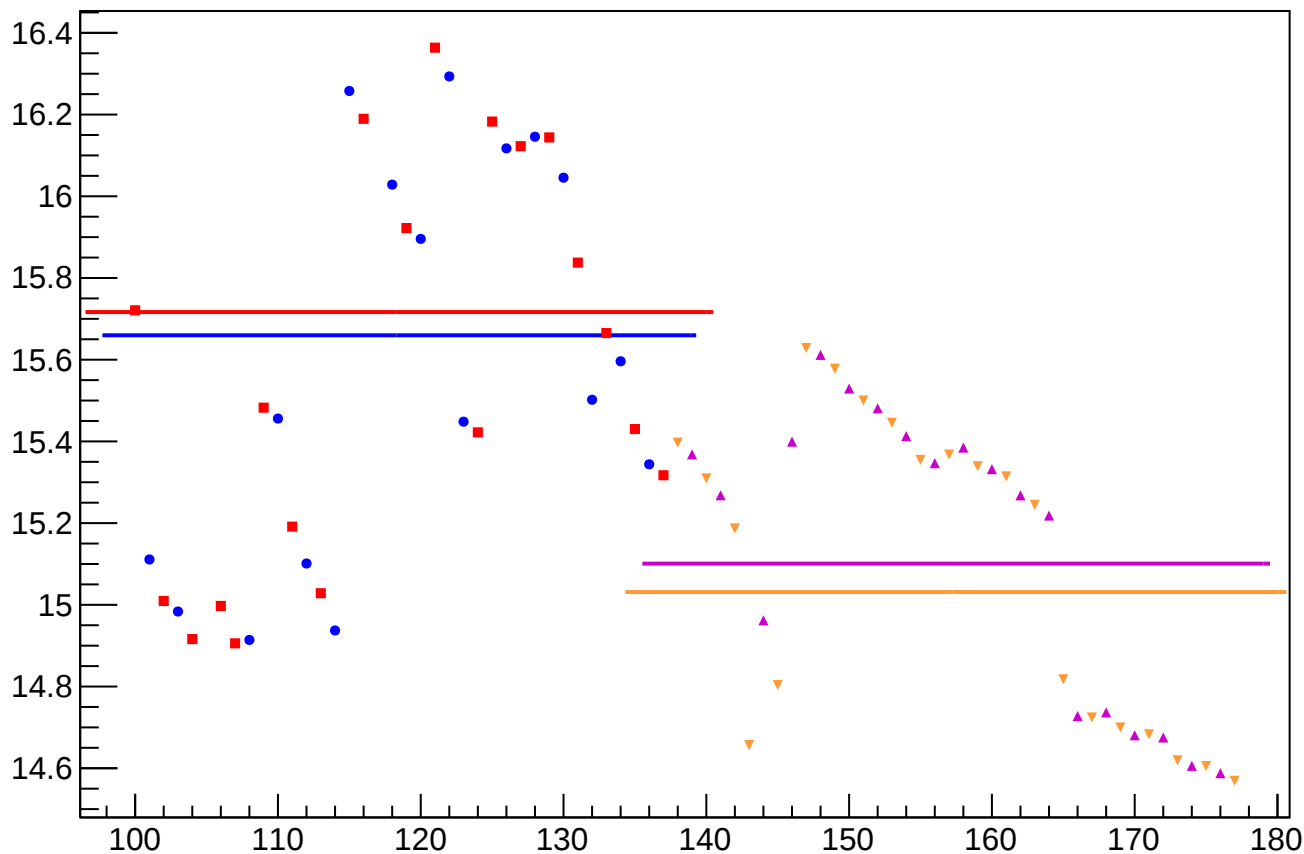
Right: 183.693 ± 0.041 $\chi^2/\text{NDF}: 7595909.3/35$

In: 244.031 ± 0.040 $\chi^2/\text{NDF}: 4664958.4/35$

Out: 225.530 ± 0.036 $\chi^2/\text{NDF}: 6439397.4/39$

All: 233.910 ± 0.027 $\chi^2/\text{NDF}: 11223797.3/75$

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.031 $\pm$ 0.000 χ^2 /NDF: 17711615581.3/20

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

Left In: 15.101 $\pm$ 0.000 χ^2 /NDF: 14322014591.9/18

Left: 15.064 $\pm$ 0.000 χ^2 /NDF: 32346797490.1/39

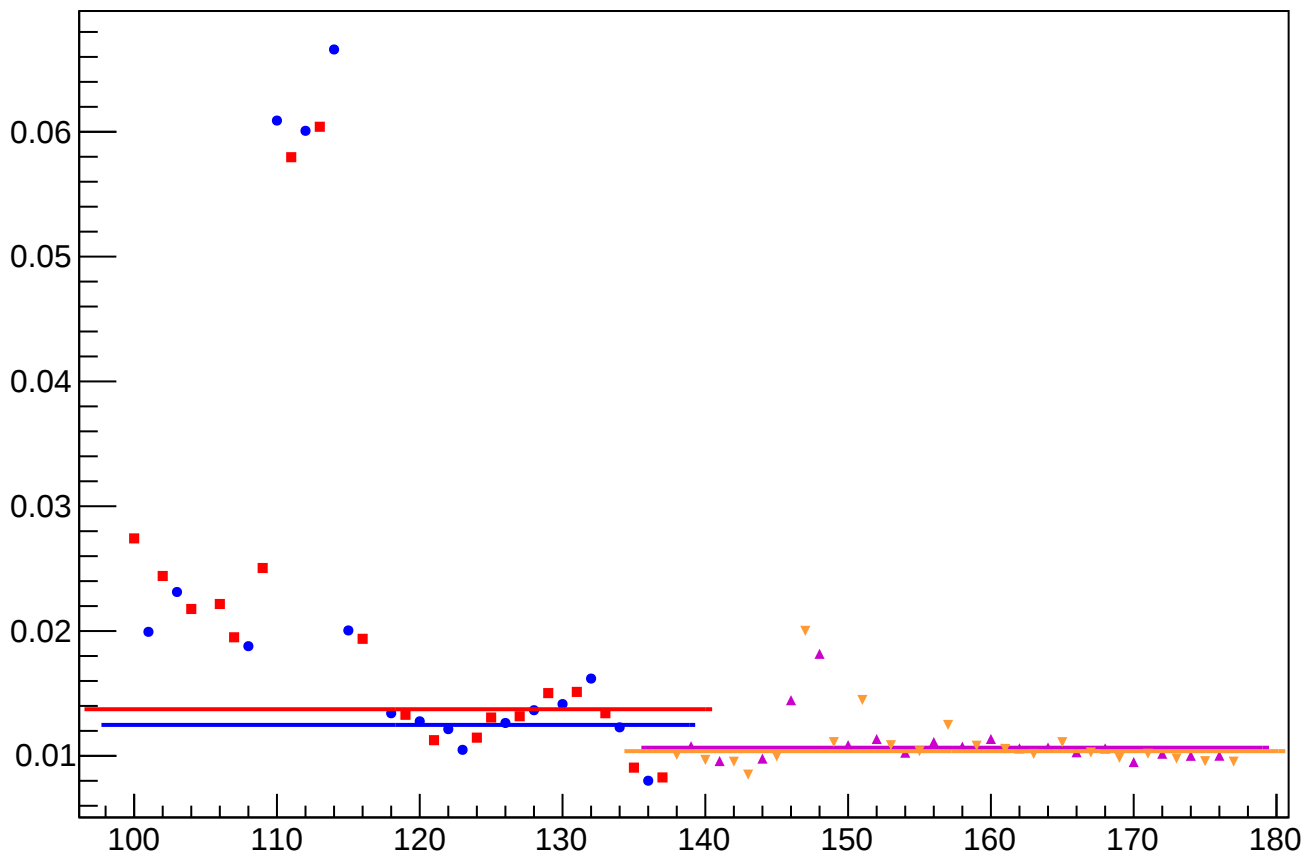
Right: 15.686 $\pm$ 0.000 χ^2 /NDF: 11294352327.9/35

In: 15.220 $\pm$ 0.000 χ^2 /NDF: 28245963120.6/35

Out: 15.150 $\pm$ 0.000 χ^2 /NDF: 34376999313.2/39

All: 15.184 $\pm$ 0.000 χ^2 /NDF: 63011375524.6

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:635449.9/20

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:452563.8/18

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 1097932.3/39

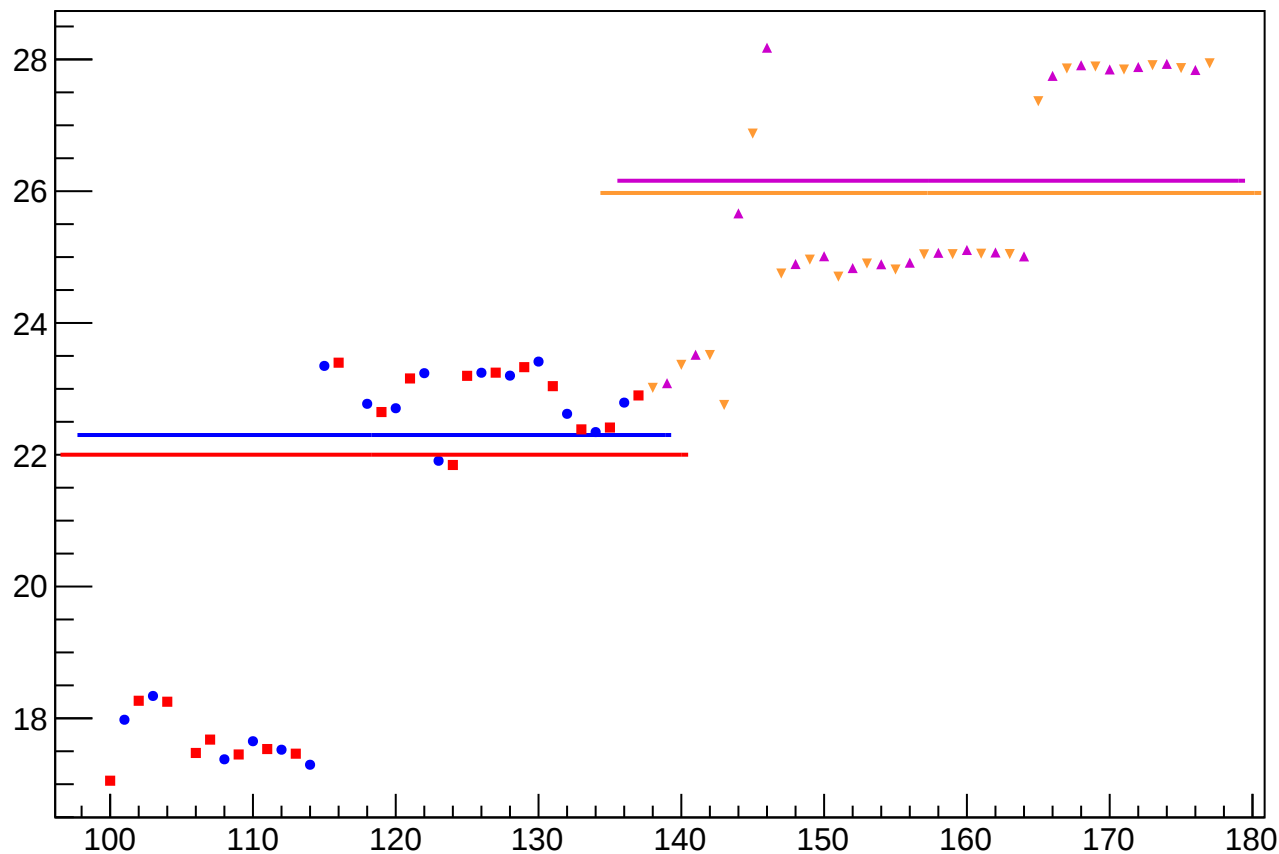
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 4279107.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2779626.7/35

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:3251753.6/39

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 6032475.1/75

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 25.973+/-0.000 χ^2/NDF : 3657374938.0/20

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

Left In: 26.159+/-0.000 χ^2/NDF : 2606736395.8/18

Left: 26.061+/-0.000 χ^2/NDF : 6282687200.4/39

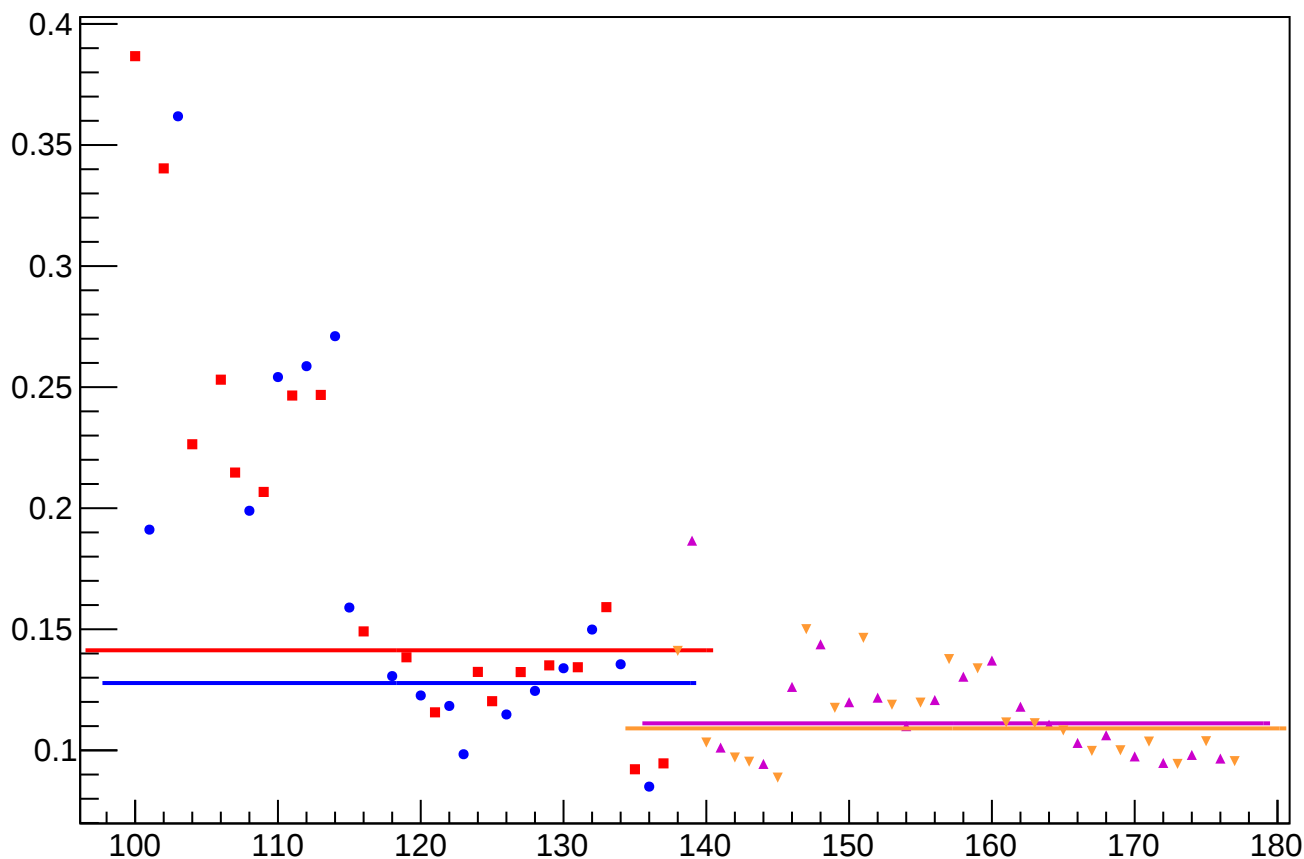
Right: 22.159+/-0.000 χ^2/NDF : 2017477949.3/35

In: 25.263+/-0.000 χ^2/NDF : 7087122286.6/35

Out: 25.198+/-0.000 χ^2/NDF : 8226258695.4/39

All: 25.230+/-0.000 χ^2/NDF : 15316278458.8

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.109+/-0.000 χ^2/NDF : 595863.6/20

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

Left In: 0.111+/-0.000 χ^2/NDF : 631462.3/18

Left: 0.110+/-0.000 χ^2/NDF : 1232019.1/39

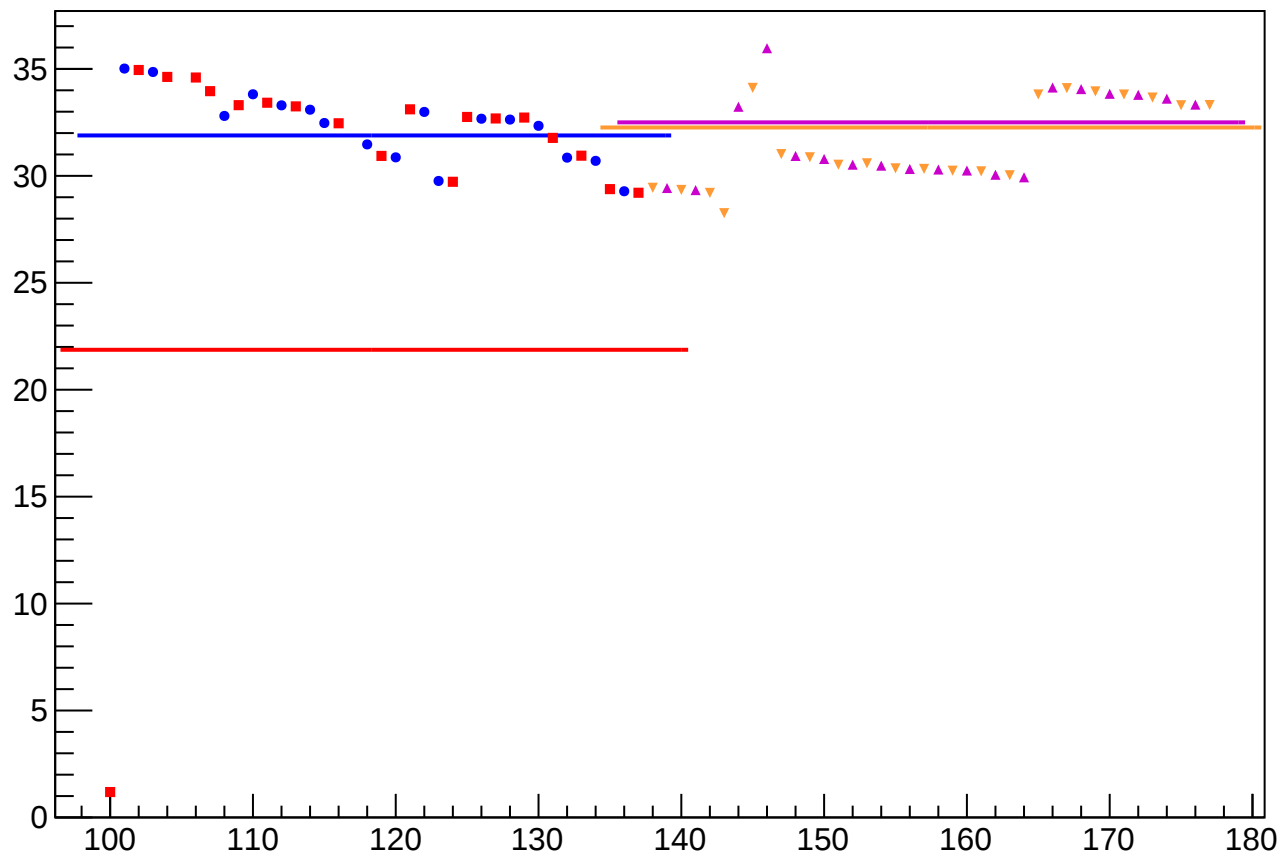
Right: 0.134+/-0.000 χ^2/NDF : 2994732.7/35

In: 0.115+/-0.000 χ^2/NDF : 2255372.9/35

Out: 0.115+/-0.000 χ^2/NDF : 2506995.3/39

All: 0.115+/-0.000 χ^2/NDF : 4762529.3/75

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000

χ^2/NDF : 1930403776.3/16

Left: 32.379+/-0.000

χ^2/NDF : 23845903264.0/39

Right: 25.887+/-0.000

χ^2/NDF : 274879927198.7/35

Left Out: 32.261+/-0.000

χ^2/NDF : 12080321819.3/20

In: 32.392+/-0.000

χ^2/NDF : 13818758901.7/35

Right Out: 21.867+/-0.000

χ^2/NDF : 230068750081.7/18

Out: 29.803+/-0.000

χ^2/NDF : 329951169040.9/39

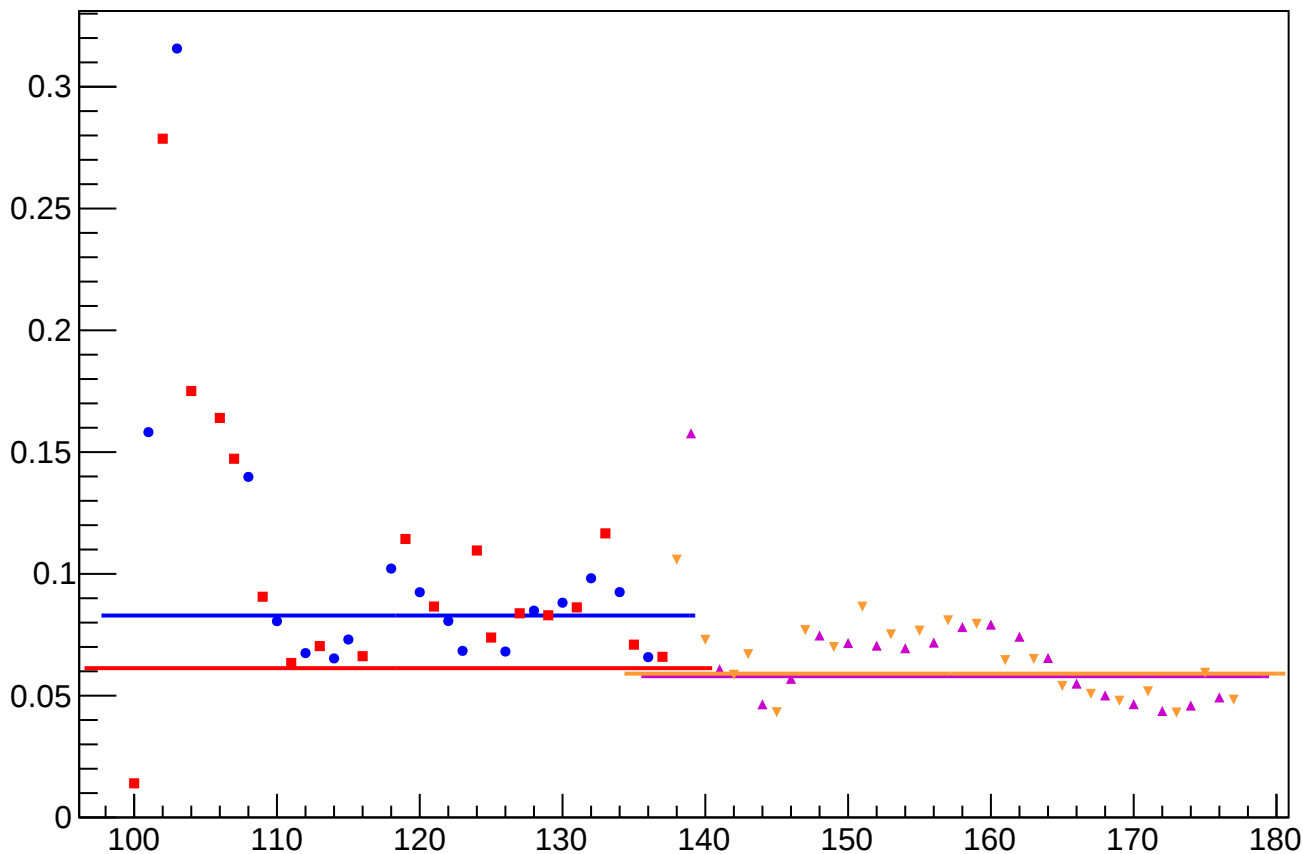
Left In: 32.501+/-0.000

χ^2/NDF : 11669044750.8/18

All: 31.022+/-0.000

χ^2/NDF : 357971648400.0/100

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1351874.1/20

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1511289.1/18

Left: 0.059 $\pm$ 0.000 χ^2 /NDF: 2866783.1/39

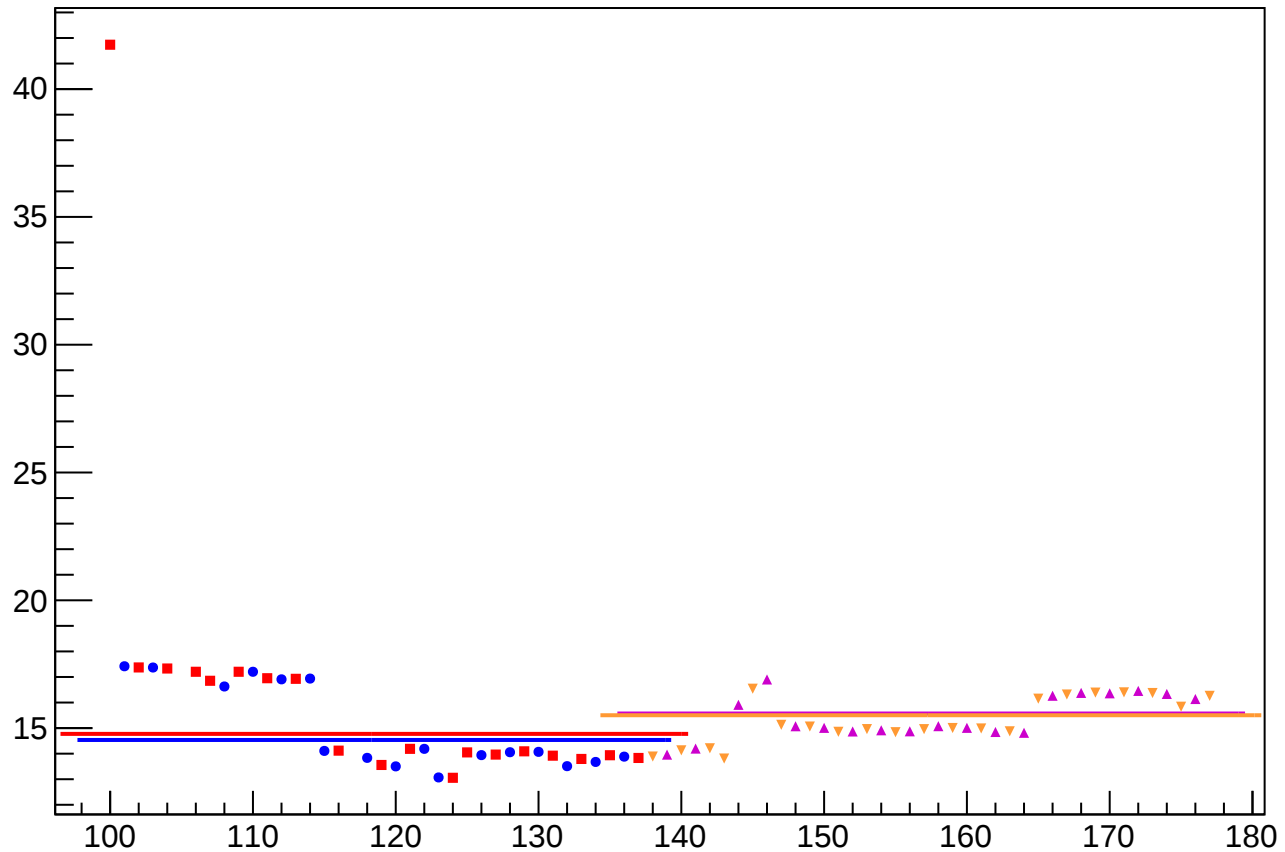
Right: 0.070 $\pm$ 0.000 χ^2 /NDF: 5167150.6/35

In: 0.062 $\pm$ 0.000 χ^2 /NDF:3402368.7/35

Out: 0.060 $\pm$ 0.000 χ^2 /NDF:4963957.3/39

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 8401060.6/75

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.503+/-0.000 χ^2/NDF : 2356382589.6/20

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

Left In: 15.571+/-0.000 χ^2/NDF : 1868236165.1/18

Left: 15.536+/-0.000 χ^2/NDF : 4231839585.6/39

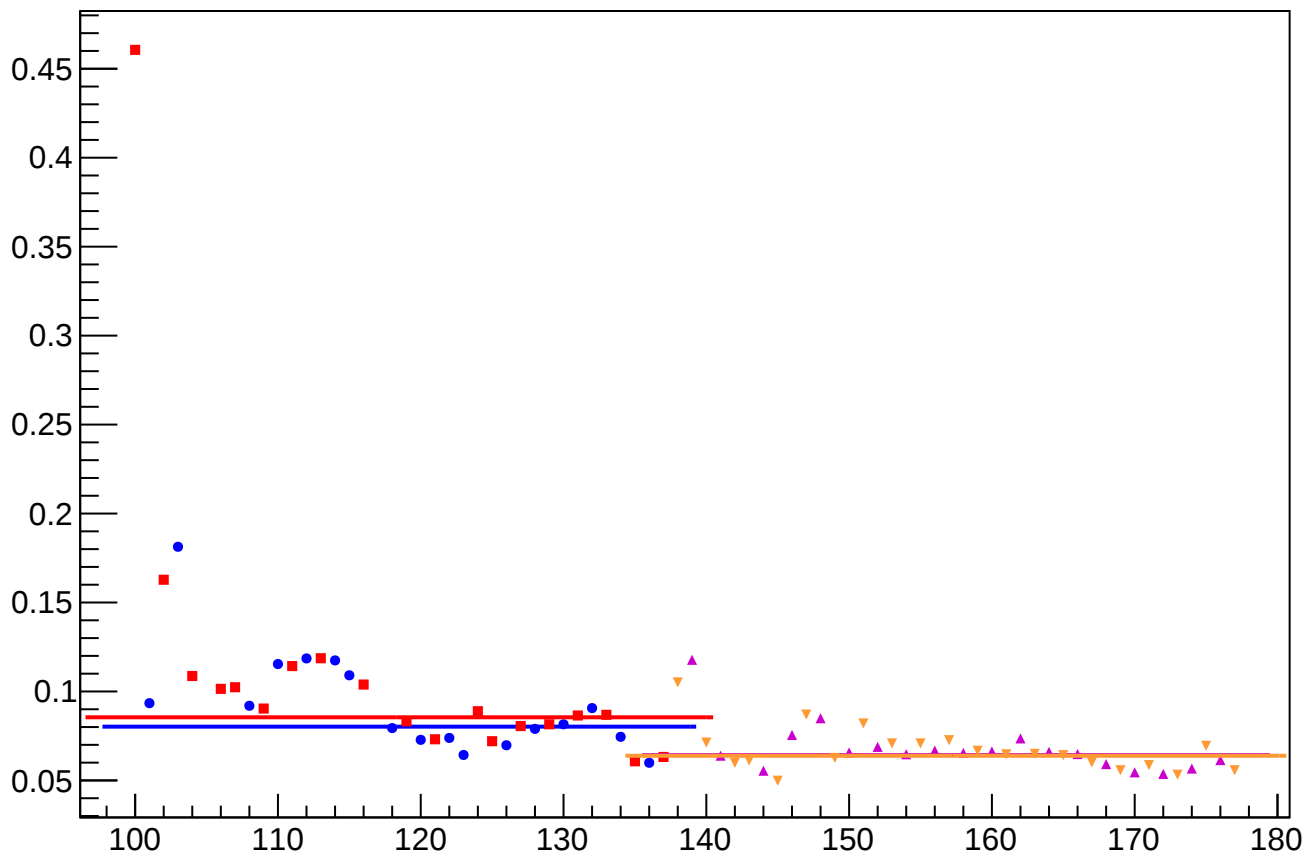
Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35

In: 15.342+/-0.000 χ^2/NDF : 4054380284.6/35

Out: 15.359+/-0.000 χ^2/NDF : 4586239583.7/39

All: 15.351+/-0.000 χ^2/NDF : 8641209585.6/79

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.064+/-0.000 χ^2/NDF : 664268.4/20

Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

Left In: 0.064+/-0.000 χ^2/NDF : 605168.6/18

Left: 0.064+/-0.000 χ^2/NDF : 1269832.8/39

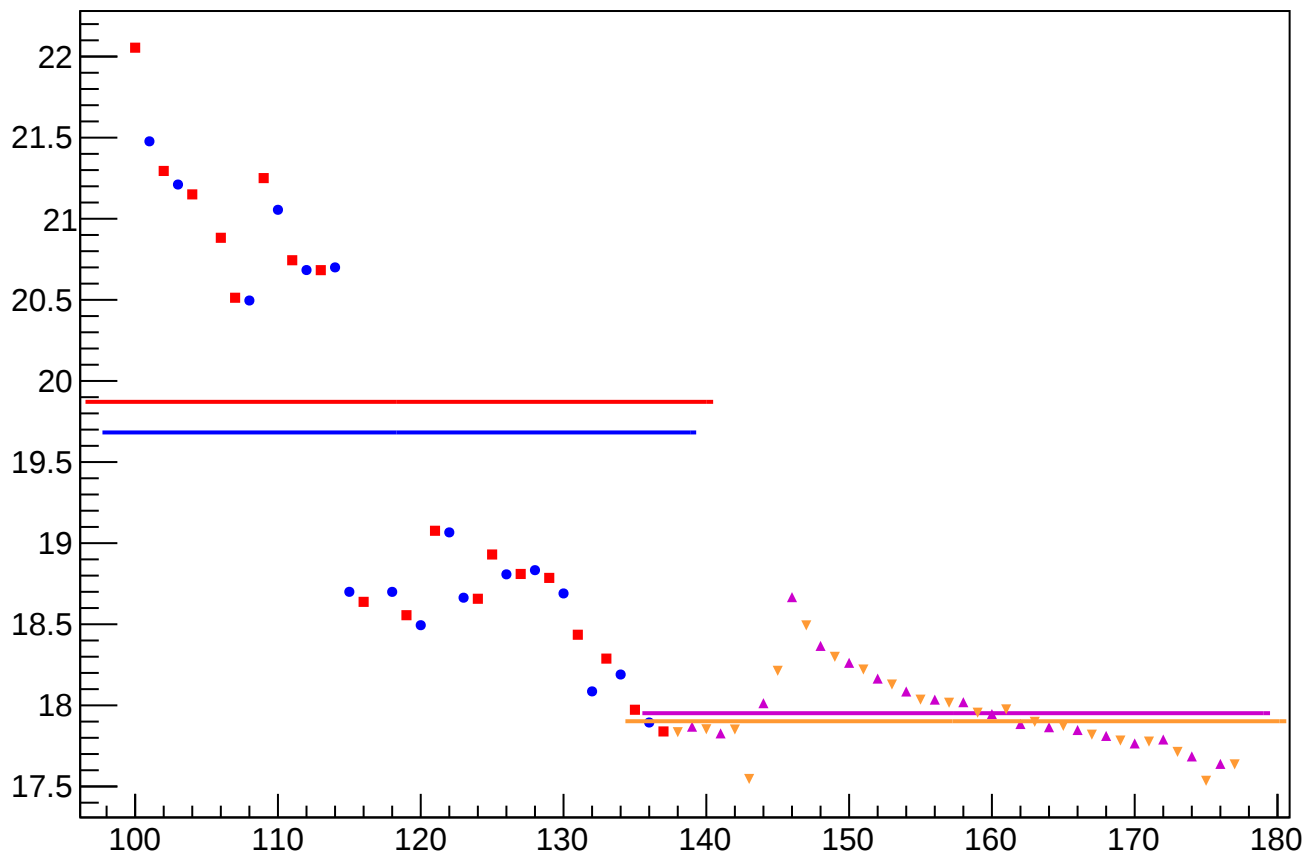
Right: 0.083+/-0.000 χ^2/NDF : 1539722.7/35

In: 0.068+/-0.000 χ^2/NDF : 1725652.8/35

Out: 0.068+/-0.000 χ^2/NDF : 2004901.1/39

All: 0.068+/-0.000 χ^2/NDF : 3731102.9/75

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.902+/-0.000 χ^2/NDF : 794298248.4/20

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

Left In: 17.952+/-0.000 χ^2/NDF : 721002838.8/18

Left: 17.926+/-0.000 χ^2/NDF : 1534316664.1/39

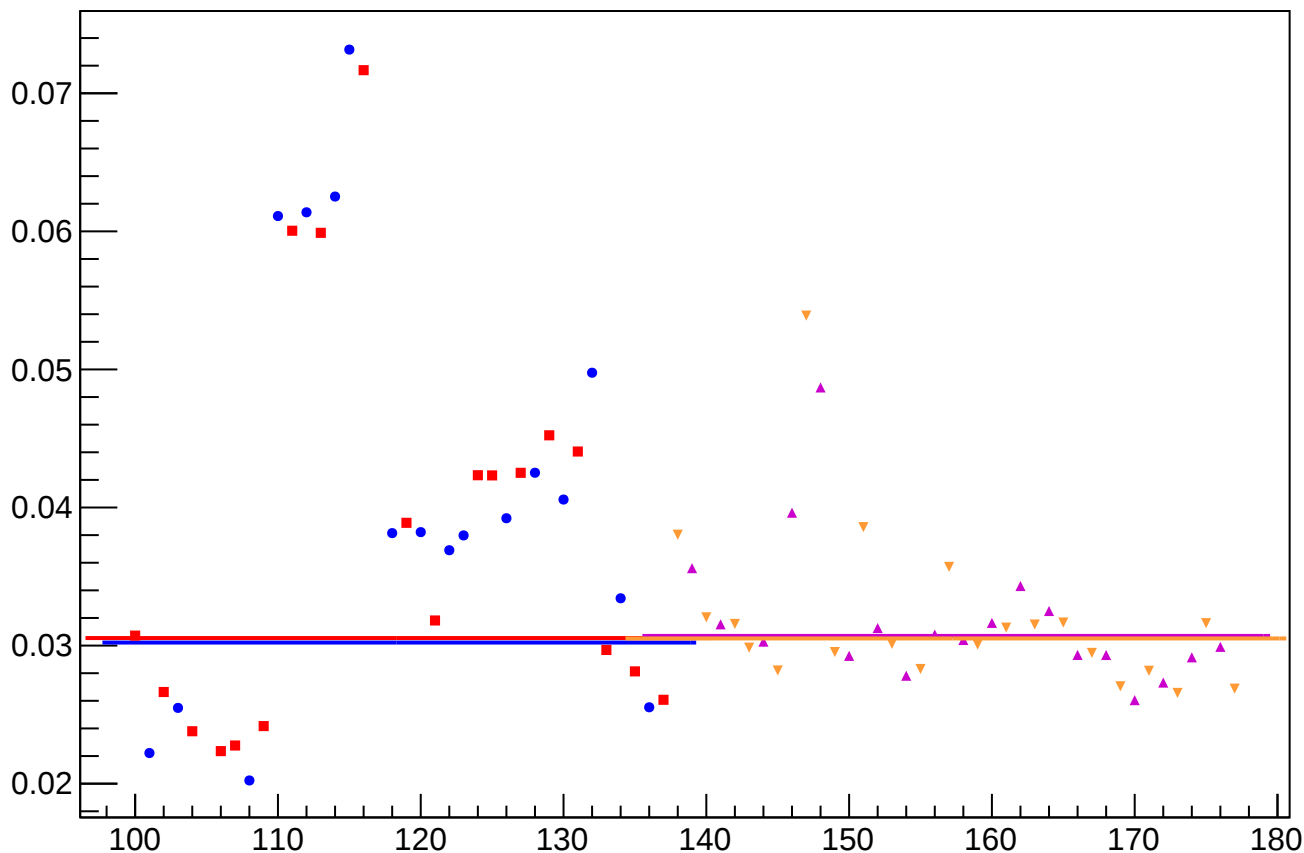
Right: 19.778+/-0.000 χ^2/NDF : 23711776447.8/35

In: 18.456+/-0.000 χ^2/NDF : 25976000672.2/35

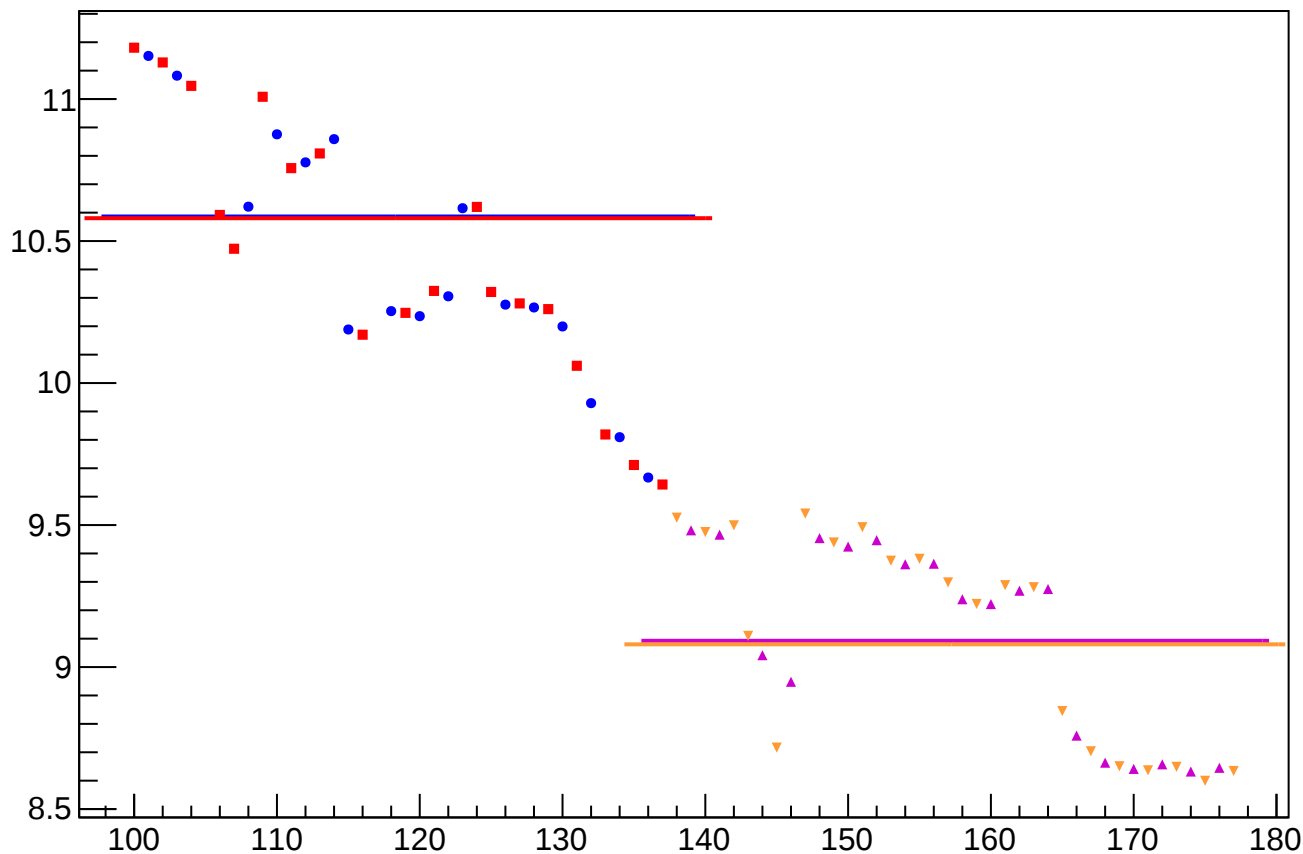
Out: 18.458+/-0.000 χ^2/NDF : 29712654358.3/39

All: 18.457+/-0.000 χ^2/NDF : 55688697764.2

yield_sam5_rms vs Slug, Sign Corrected



yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.080 $\pm$ 0.000 χ^2 /NDF: 4874585075.9/20

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5763852721.2/18

Left In: 9.092 $\pm$ 0.000 χ^2 /NDF: 3776954631.1/18

Left: 9.086 $\pm$ 0.000 χ^2 /NDF: 8654354063.2/39

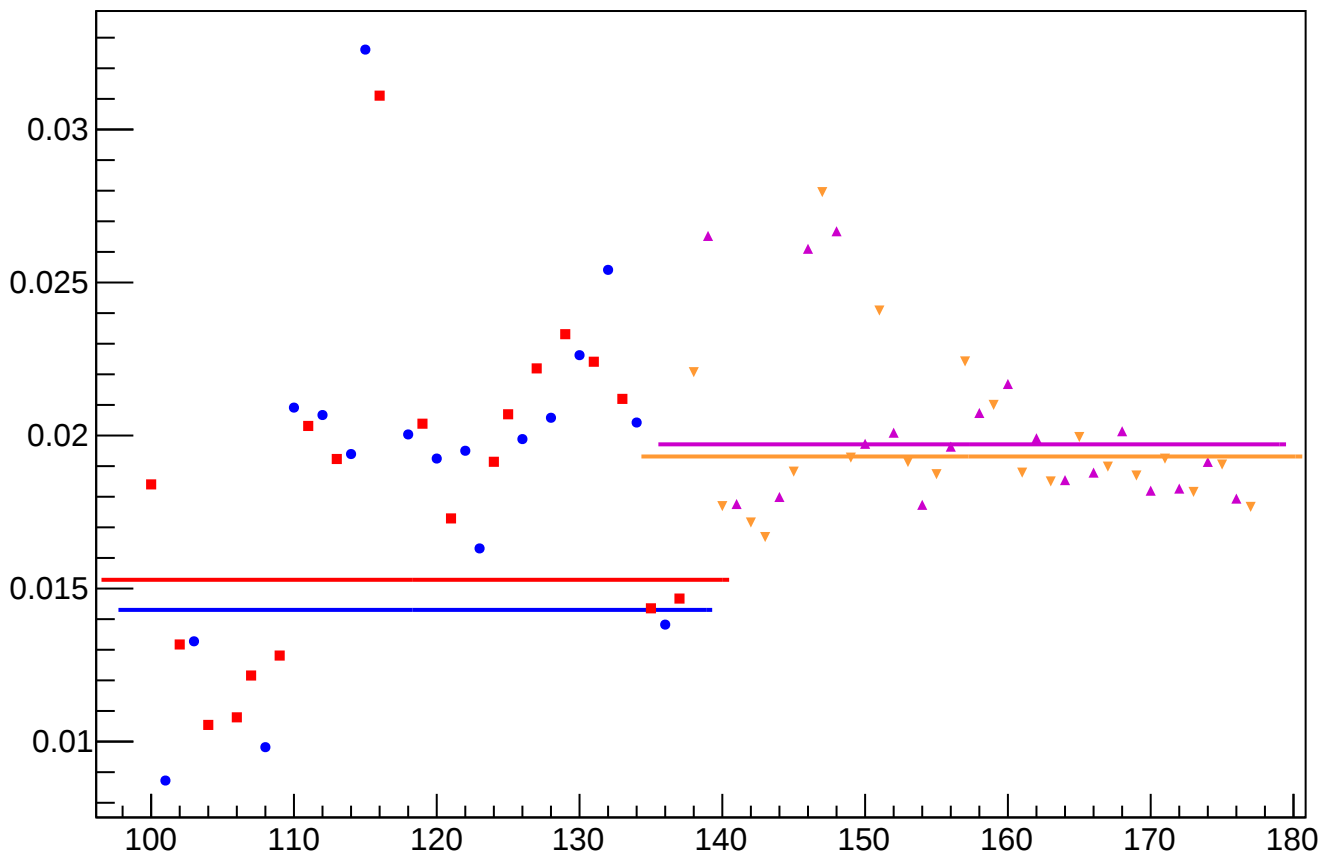
Right: 10.583 $\pm$ 0.000 χ^2 /NDF: 13184410027.5/35

In: 9.735 $\pm$ 0.000 χ^2 /NDF: 44309063738.3/35

Out: 9.674 $\pm$ 0.000 χ^2 /NDF: 45000023115.9/39

All: 9.704 $\pm$ 0.000 χ^2 /NDF: 89424832981.2/7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:340233.9/20

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:393037.7/18

Left: 0.020 $\pm$ 0.000 χ^2 /NDF: 739006.4/39

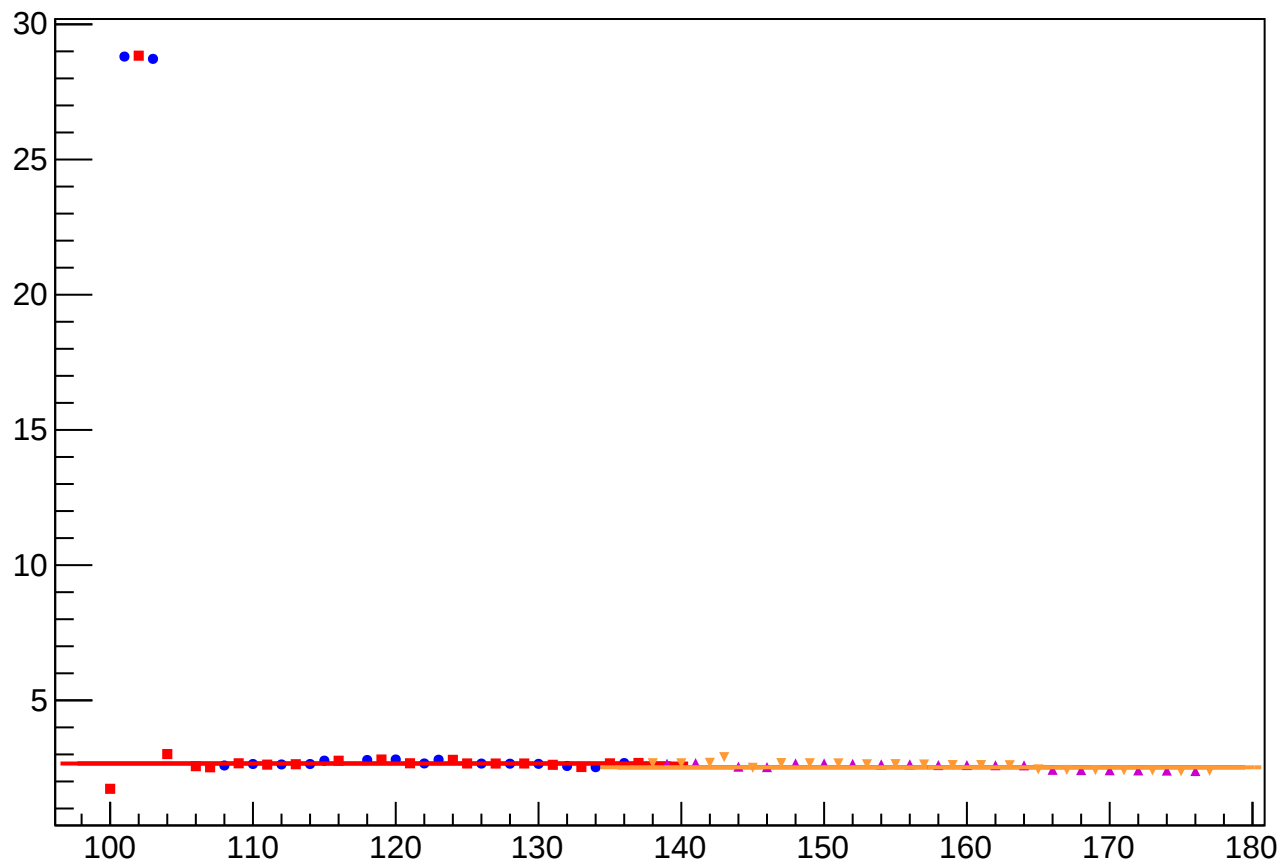
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 2421831.8/35

In: 0.017 $\pm$ 0.000 χ^2 /NDF:2669349.8/35

Out: 0.018 $\pm$ 0.000 χ^2 /NDF:1824828.1/39

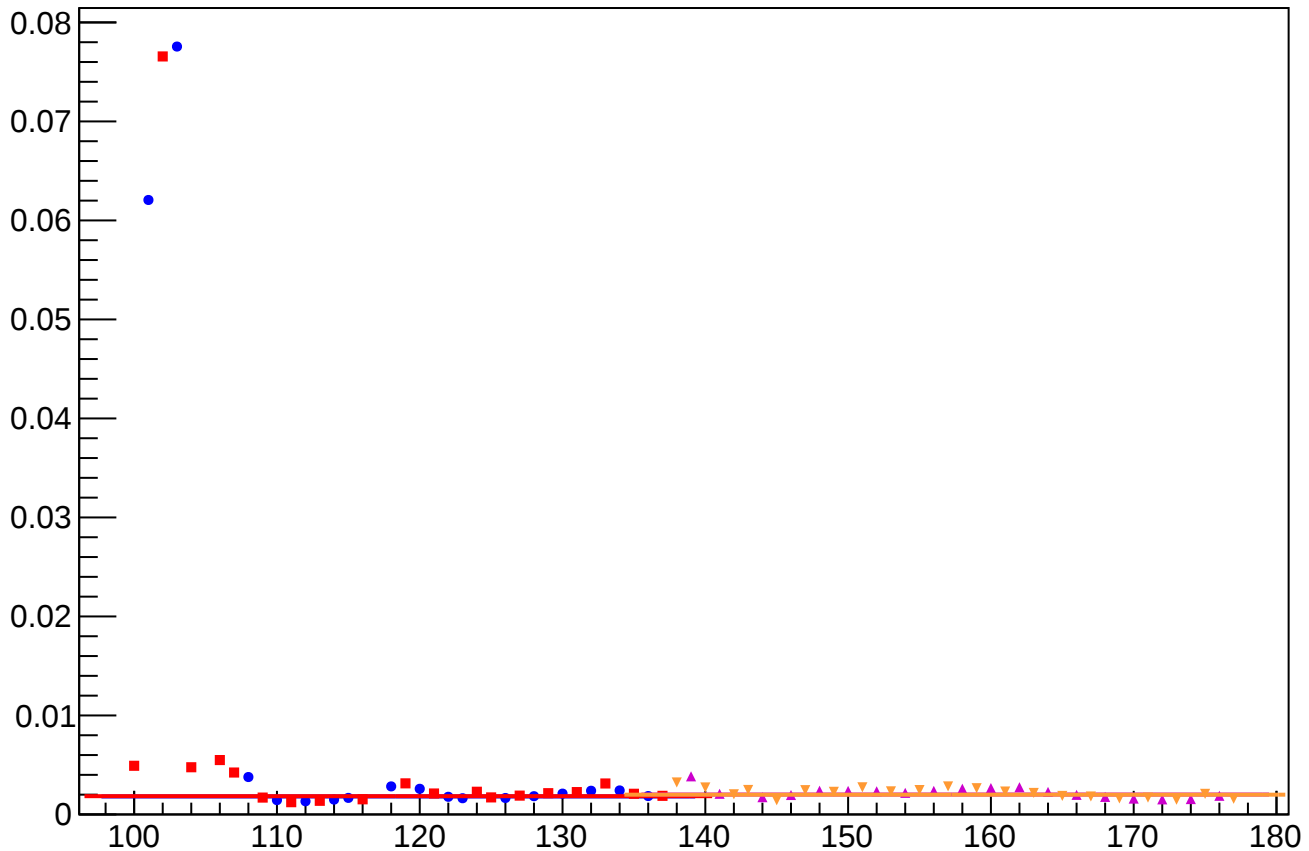
All: 0.018 $\pm$ 0.000 χ^2 /NDF: 4501146.1/75

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000	χ^2/NDF : 163167327359.4/16	Left: 2.523+/-0.000	χ^2/NDF : 86343185105.6/39
Left Out: 2.523+/-0.000	χ^2/NDF : 51323383334.5/20	Right: 2.665+/-0.000	χ^2/NDF : 233569925265.6/35
Right Out: 2.664+/-0.000	χ^2/NDF : 70398125461.7/18	In: 2.568+/-0.000	χ^2/NDF : 217182150818.0/35
Left In: 2.523+/-0.000	χ^2/NDF : 35018911247.1/18	Out: 2.567+/-0.000	χ^2/NDF : 140945641599.2/39
		All: 2.567+/-0.000	χ^2/NDF : 358130723086.5

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 :1344835.6/20

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF :1120807.8/18

Left: 0.002+/-0.000 χ^2/NDF : 2466244.6/39

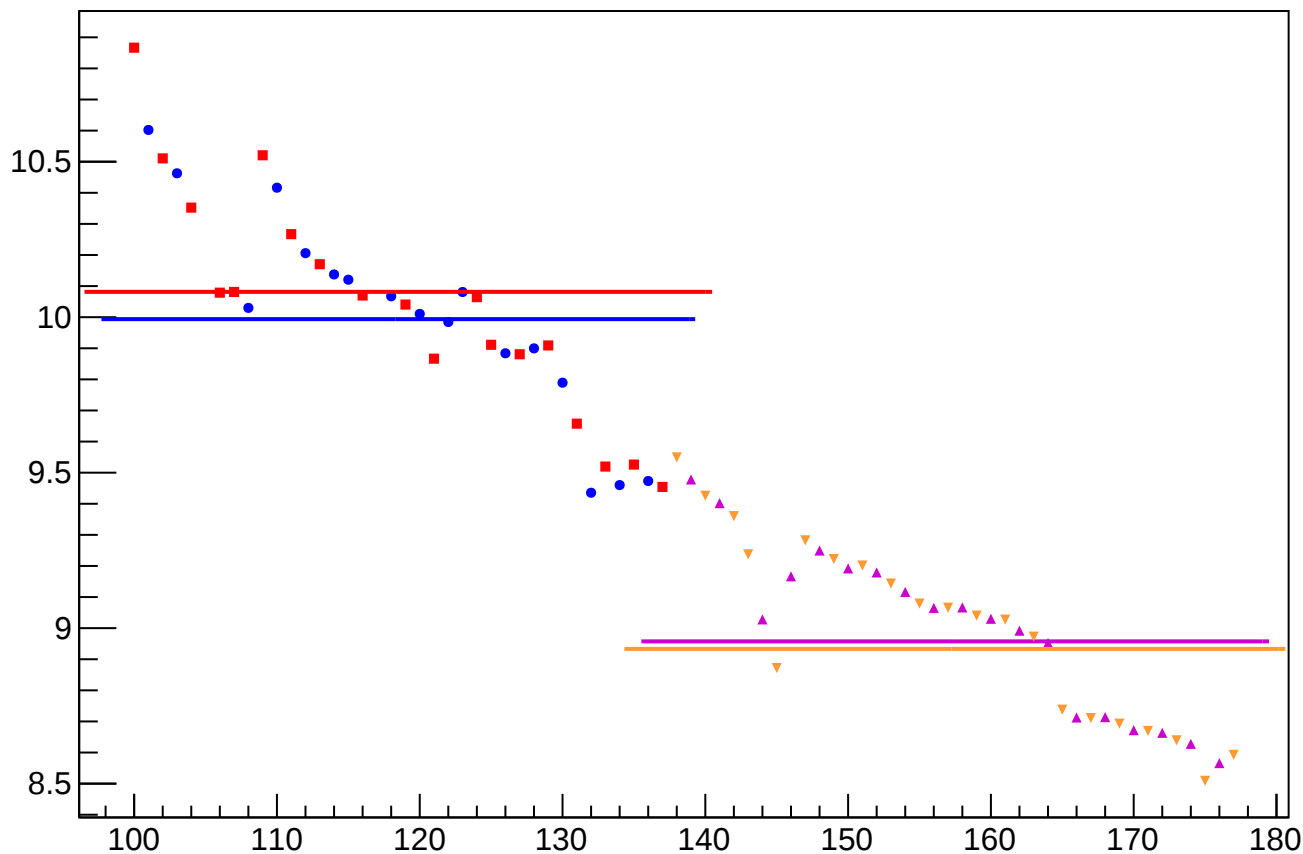
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF :3851482.6/35

Out: 0.002+/-0.000 χ^2/NDF :3720613.9/39

All: 0.002+/-0.000 χ^2/NDF : 7572097.2/75

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 8.933 $\pm$ 0.000 χ^2 /NDF: 25045199854.0/20

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

Left In: 8.958 $\pm$ 0.000 χ^2 /NDF: 20538175439.0/18

Left: 8.945 $\pm$ 0.000 χ^2 /NDF: 45682807582.2/39

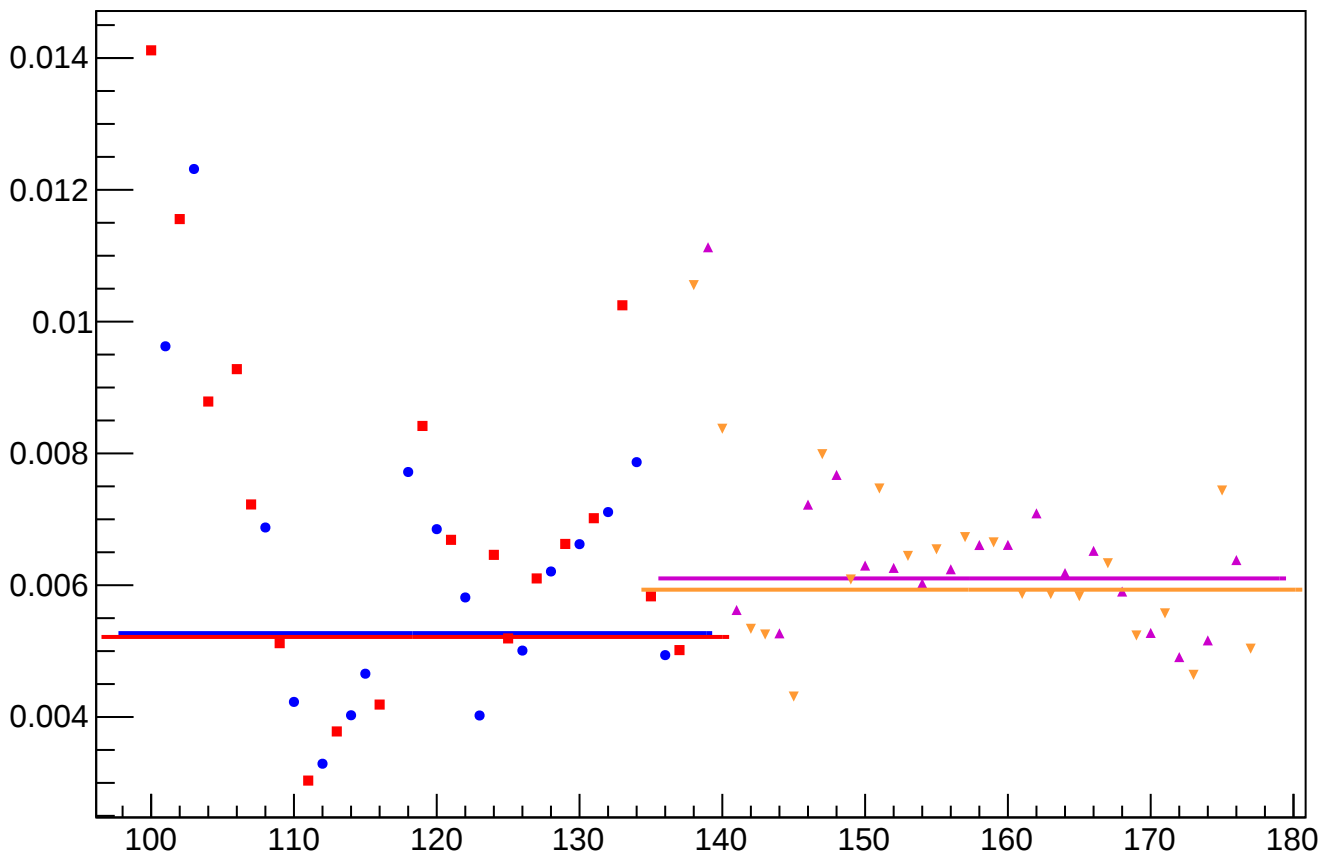
Right: 10.039 $\pm$ 0.000 χ^2 /NDF: 35036056098.5/35

In: 9.332 $\pm$ 0.000 χ^2 /NDF: 163271340330.5/35

Out: 9.334 $\pm$ 0.000 χ^2 /NDF: 205491419269.7/39

All: 9.333 $\pm$ 0.000 χ^2 /NDF: 368763525409.9

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 939013.9/20

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 606106.4/18

Left: 0.006+/-0.000 χ^2/NDF : 1554965.6/39

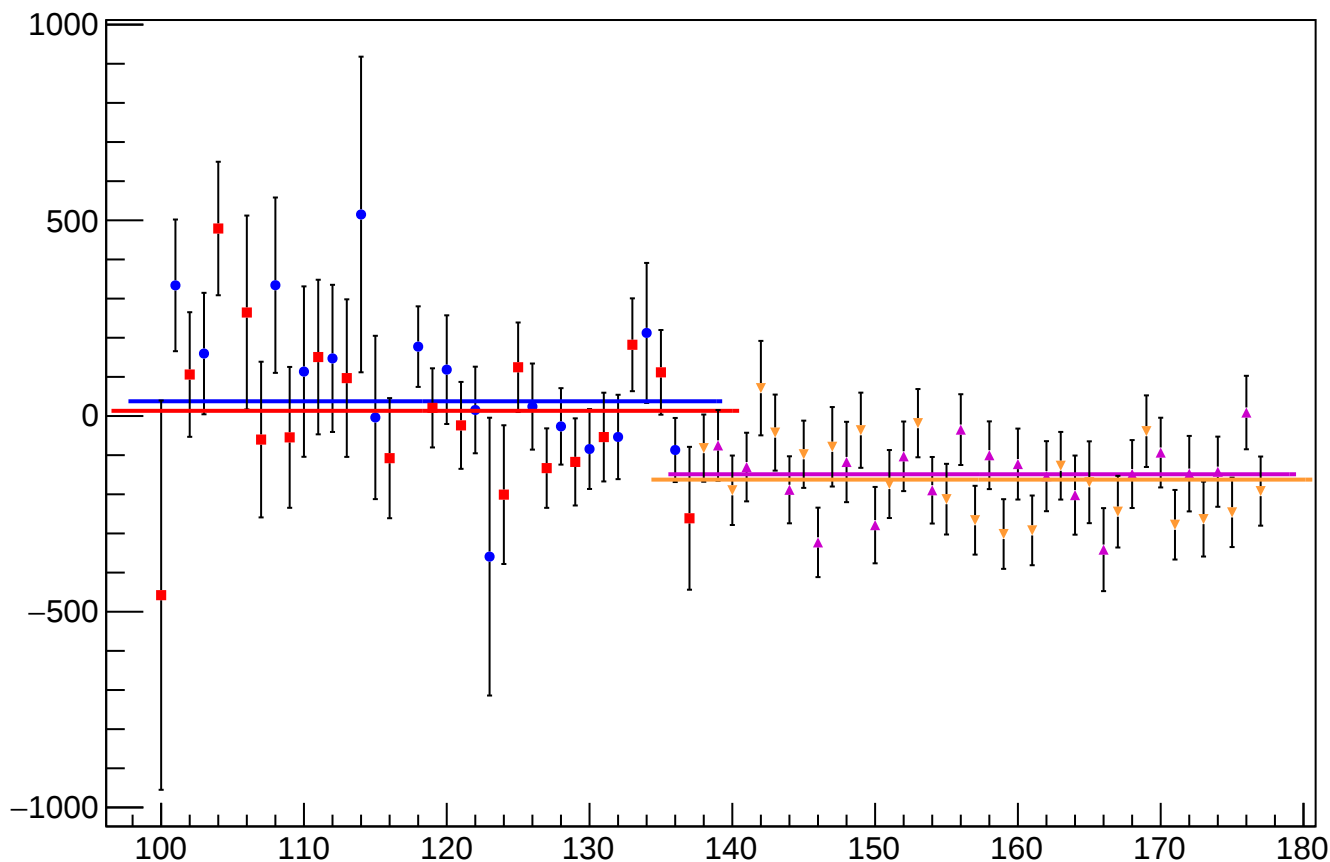
Right: 0.005+/-0.000 χ^2/NDF : 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF : 2010688.7/35

Out: 0.006+/-0.000 χ^2/NDF : 2725721.1/39

All: 0.006+/-0.000 χ^2/NDF : 4744073.6/75

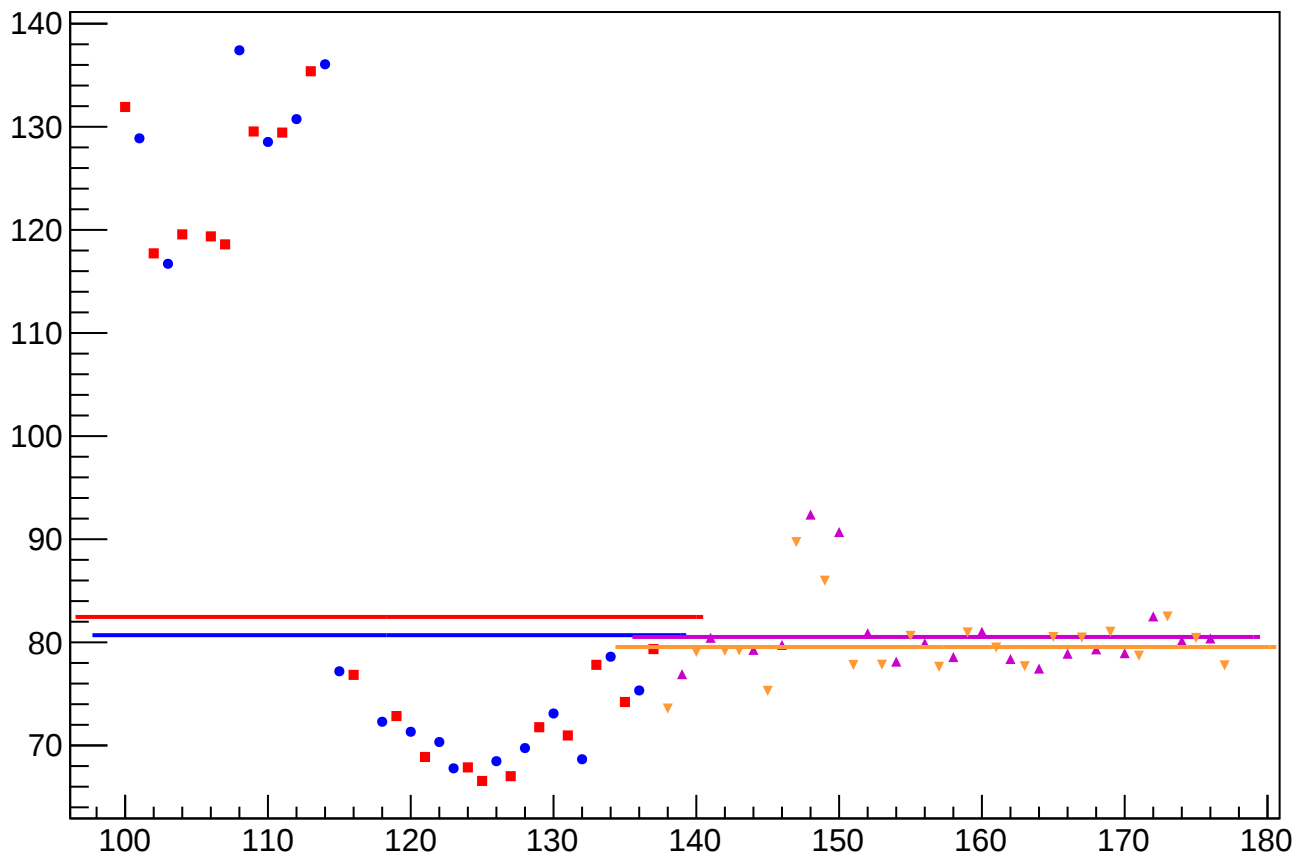
reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$
 Left Out: -162.464 ± 19.990 $\chi^2/\text{NDF}: 24.8/20$
 Right Out: 13.278 ± 32.066 $\chi^2/\text{NDF}: 22.7/18$
 Left In: -148.784 ± 20.968 $\chi^2/\text{NDF}: 15.9/18$

Left: -155.951 ± 14.469 $\chi^2/\text{NDF}: 41.0/39$
 Right: 25.415 ± 22.740 $\chi^2/\text{NDF}: 39.7/35$
 In: -93.385 ± 17.580 $\chi^2/\text{NDF}: 56.1/35$
 Out: -113.280 ± 16.964 $\chi^2/\text{NDF}: 69.2/39$
 All: -103.687 ± 12.207 $\chi^2/\text{NDF}: 126.0/75$

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.546 $\pm$ 0.014 χ^2 /NDF: 51983.0/20

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

Left In: 80.522 $\pm$ 0.015 χ^2 /NDF: 60370.9/18

Left: 80.011 $\pm$ 0.010 χ^2 /NDF: 114626.1/39

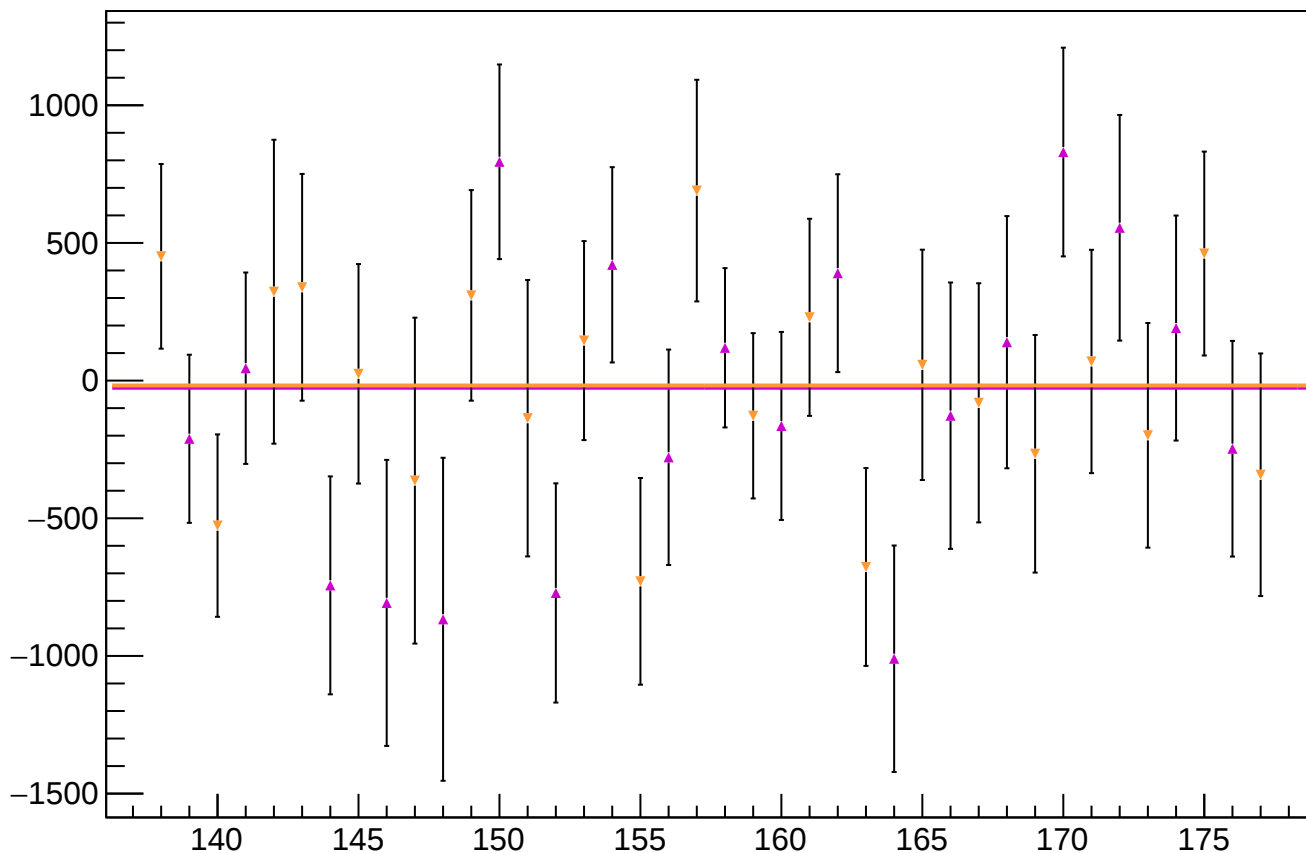
Right: 81.584 $\pm$ 0.016 χ^2 /NDF: 1731931.3/35

In: 80.573 $\pm$ 0.012 χ^2 /NDF: 874437.3/35

Out: 80.362 $\pm$ 0.012 χ^2 /NDF: 978787.0/39

All: 80.464 $\pm$ 0.009 χ^2 /NDF: 1853373.5/75

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -17.740+/-85.861 χ^2/NDF :20.3/20

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

Left In: -25.777+/-87.892 χ^2/NDF :34.3/18

Left: -21.664+/-61.418 χ^2/NDF : 54.6/39

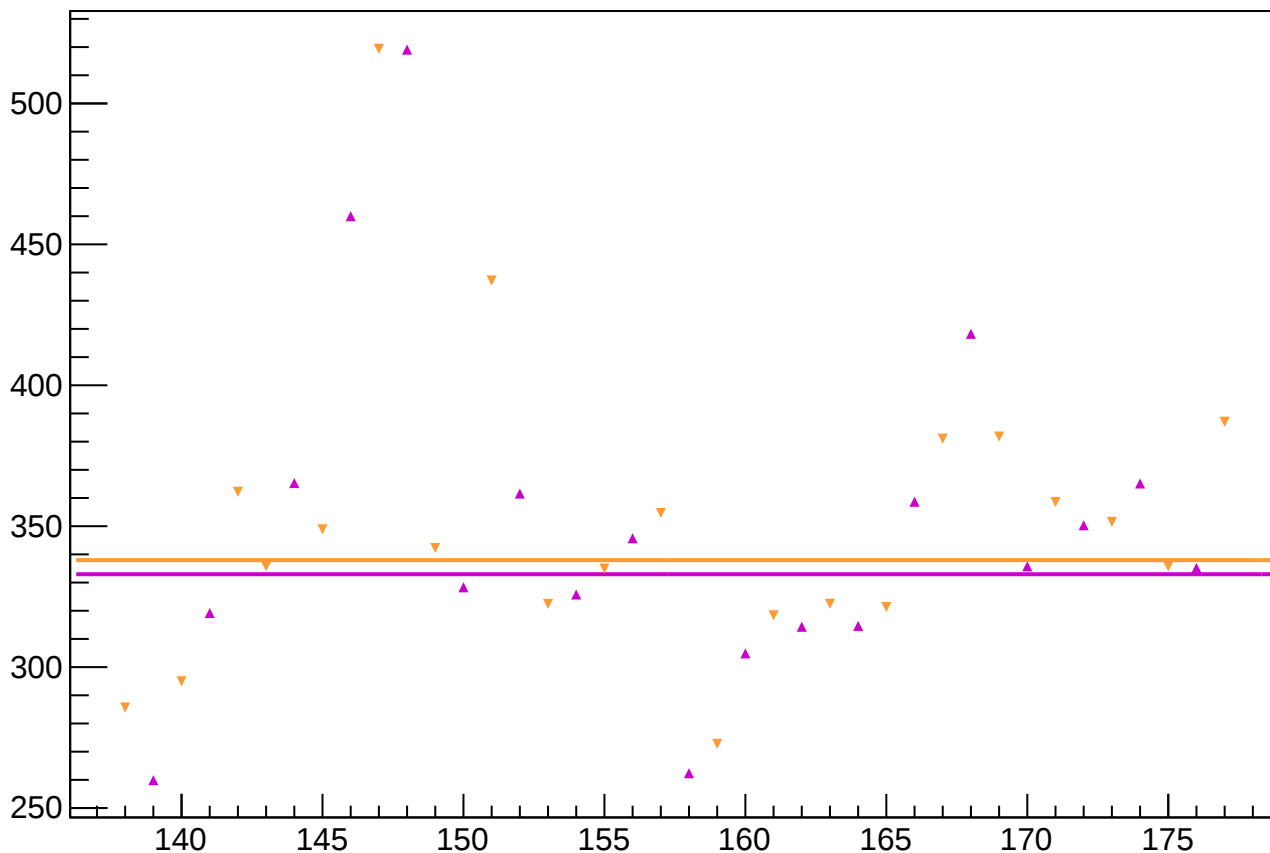
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.777+/-87.892 χ^2/NDF :34.3/18

Out: -17.740+/-85.861 χ^2/NDF :20.3/20

All: -21.664+/-61.418 χ^2/NDF : 54.6/39

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 337.947+/-0.061 χ^2/NDF :541164.2/20

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

Left In: 332.962+/-0.062 χ^2/NDF :698964.8/18

Left: 335.513+/-0.043 χ^2/NDF : 1243422.1/39

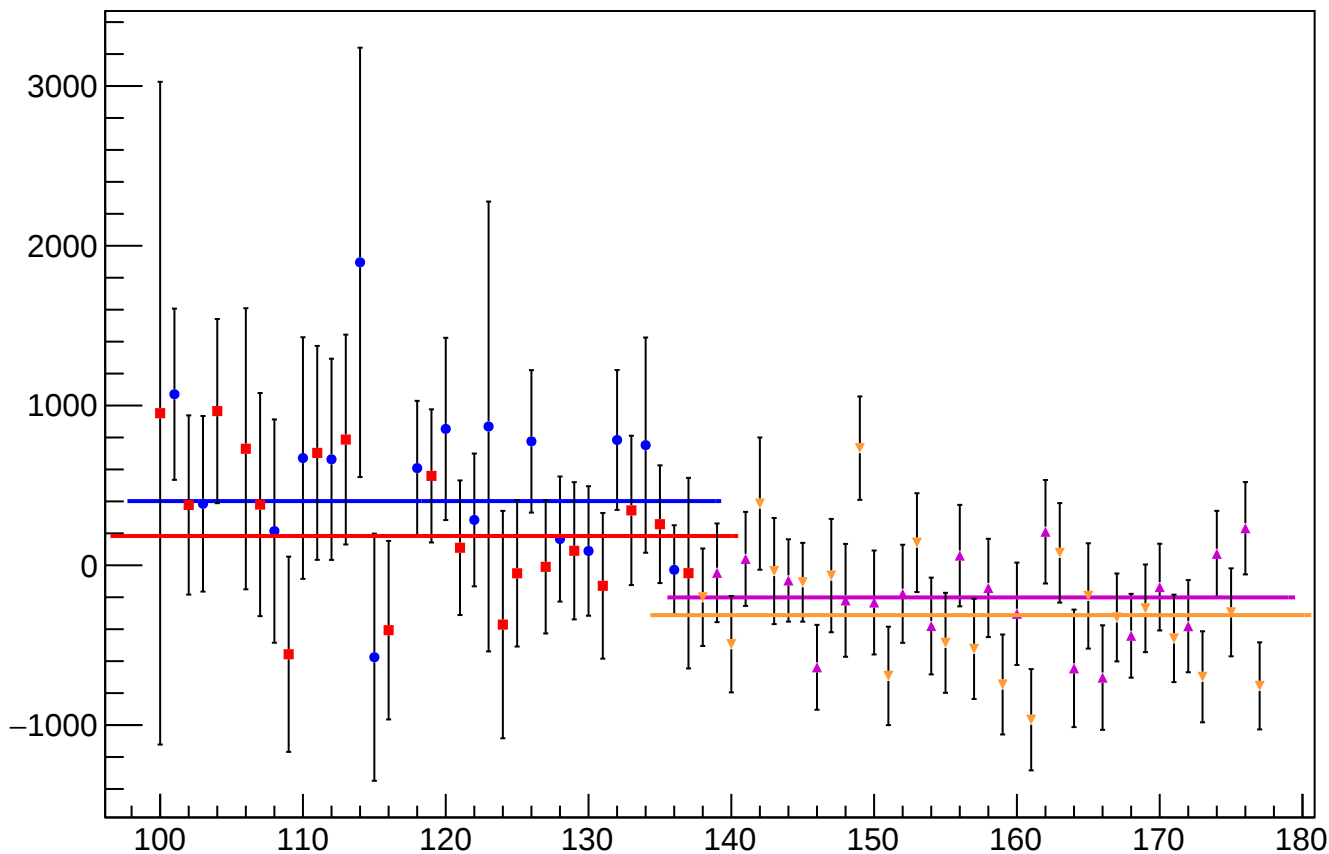
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 332.962+/-0.062 χ^2/NDF :698964.8/18

Out: 337.947+/-0.061 χ^2/NDF :541164.2/20

All: 335.513+/-0.043 χ^2/NDF : 1243422.1/39

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -311.718 $\pm$ 65.873 χ^2 /NDF:32.8/20

Right Out: 183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

Left In: -201.035 $\pm$ 68.587 χ^2 /NDF:15.0/18

Left: -258.609 $\pm$ 47.510 χ^2 /NDF: 49.1/39

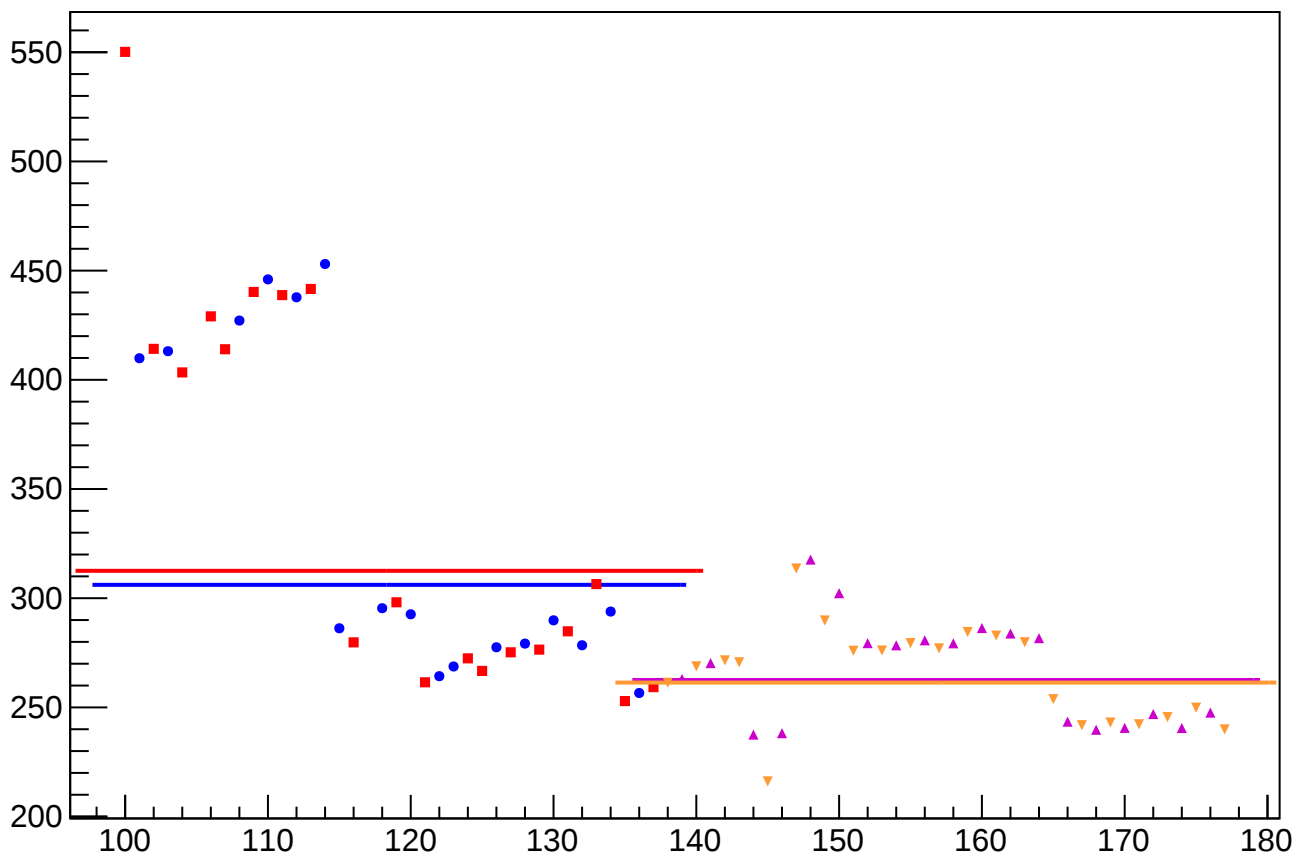
Right: 292.034 $\pm$ 85.342 χ^2 /NDF: 21.9/35

In: -54.514 $\pm$ 59.673 χ^2 /NDF:44.6/35

Out: -197.544 $\pm$ 57.782 χ^2 /NDF:55.1/39

All: -128.331 $\pm$ 41.511 χ^2 /NDF: 102.7/75

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123 ± 0.086 $\chi^2/\text{NDF}: 508435.8/16$

Left Out: 261.365 ± 0.047 $\chi^2/\text{NDF}: 229782.0/20$

Right Out: 312.543 ± 0.085 $\chi^2/\text{NDF}: 625769.8/18$

Left In: 262.548 ± 0.048 $\chi^2/\text{NDF}: 224175.3/18$

Left: 261.933 ± 0.034 $\chi^2/\text{NDF}: 454266.6/39$

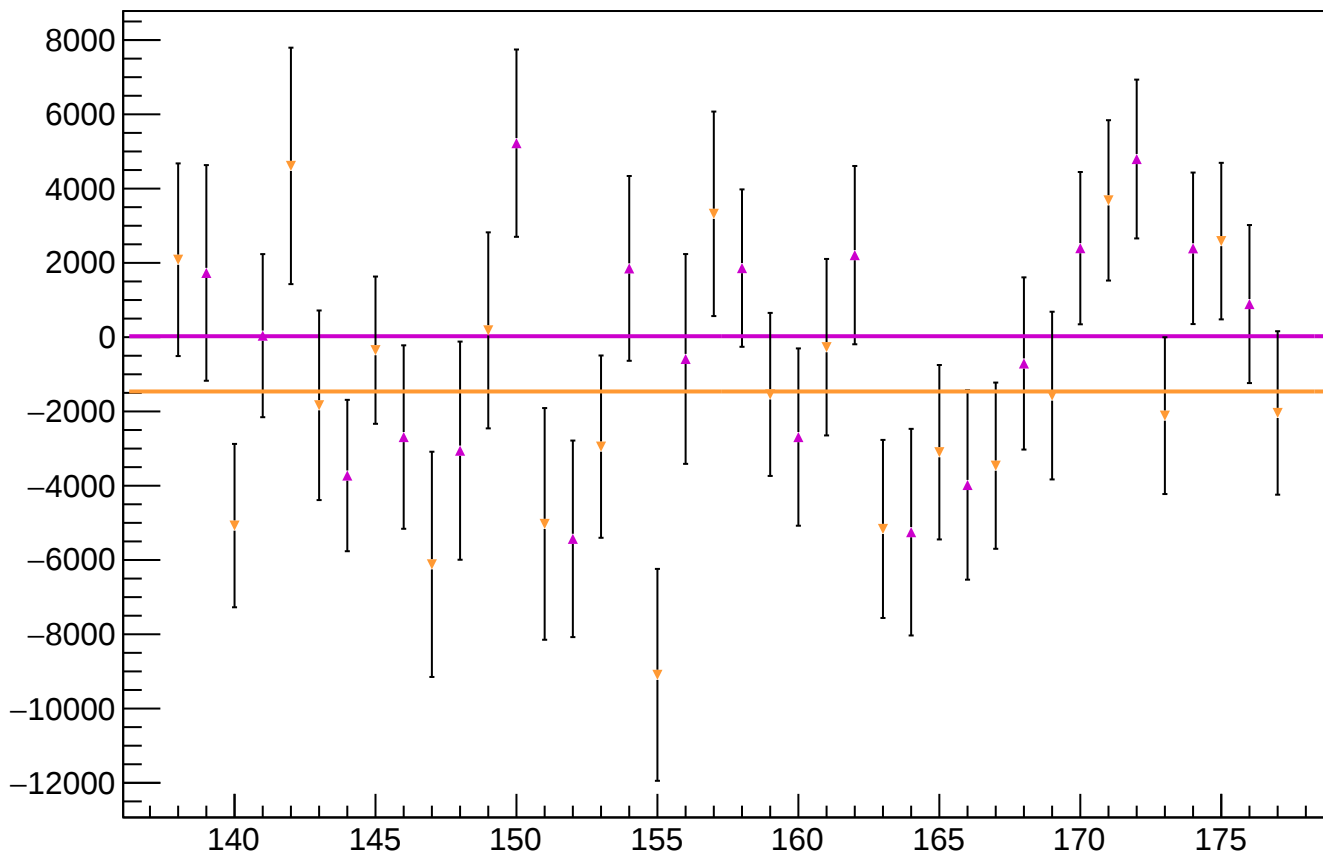
Right: 309.352 ± 0.060 $\chi^2/\text{NDF}: 1137034.2/35$

In: 273.138 ± 0.042 $\chi^2/\text{NDF}: 928806.4/35$

Out: 273.165 ± 0.041 $\chi^2/\text{NDF}: 1133876.8/39$

All: 273.152 ± 0.029 $\chi^2/\text{NDF}: 2062683.4/75$

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1462.455+/-523.837 χ^2/NDF :36.6/20

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

Left In: 25.485+/-542.937 χ^2/NDF :32.0/18

Left: -745.117+/-376.980 χ^2/NDF : 72.5/39

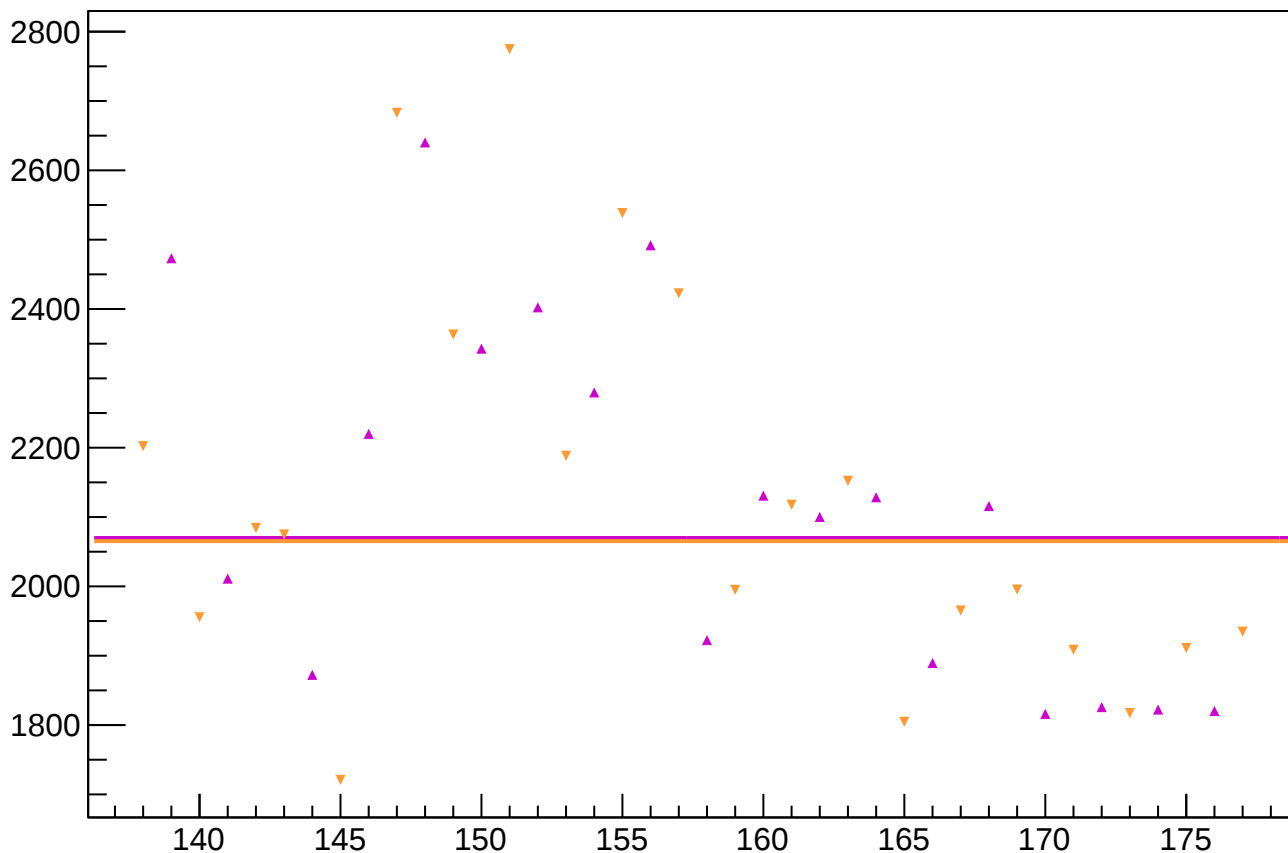
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.485+/-542.937 χ^2/NDF :32.0/18

Out: -1462.455+/-523.837 χ^2/NDF :36.6/20

All: -745.117+/-376.980 χ^2/NDF : 72.5/39

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2065.271+/-0.370 χ^2/NDF :468693.1/20

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

Left In: 2069.677+/-0.384 χ^2/NDF :392151.0/18

Left: 2067.395+/-0.267 χ^2/NDF : 860912.3/39

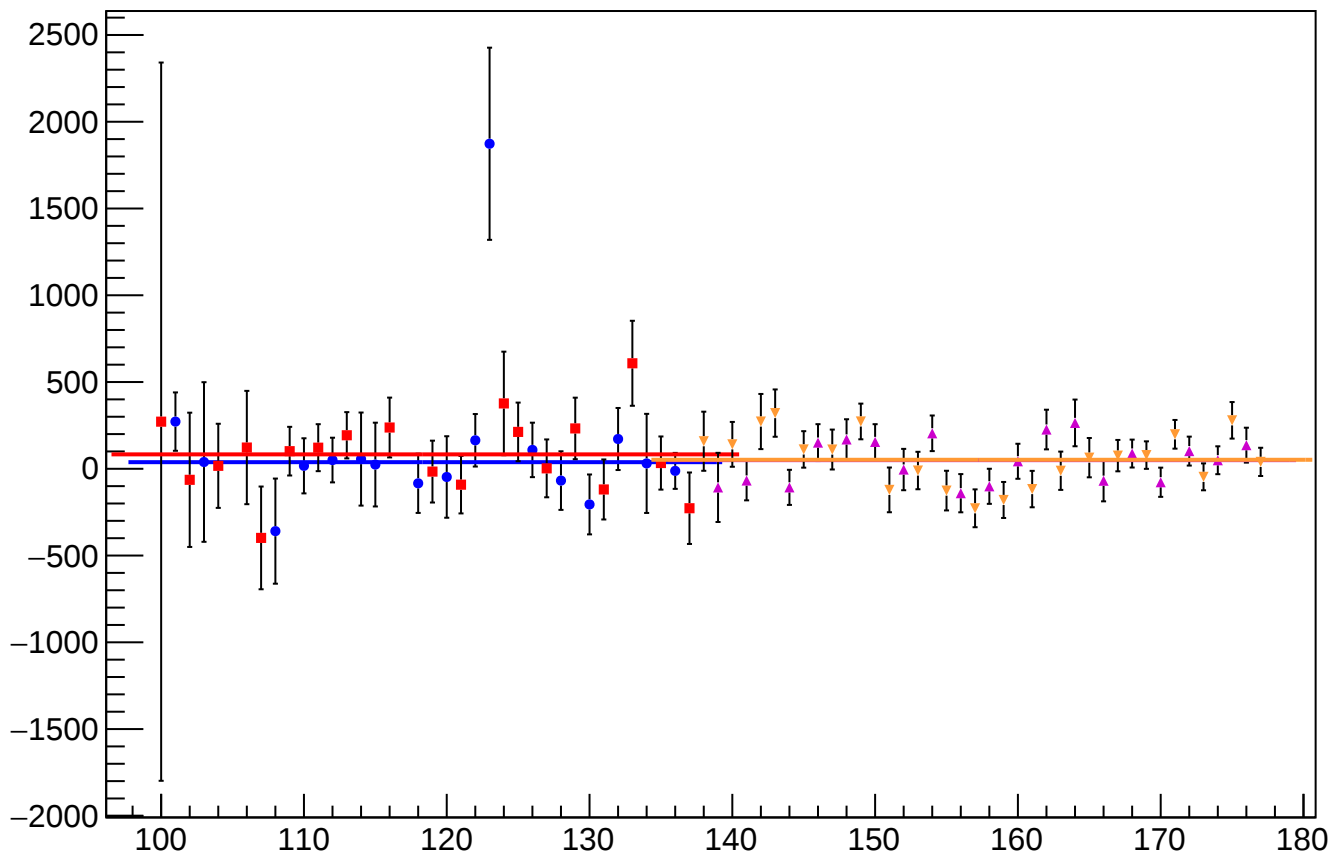
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2069.677+/-0.384 χ^2/NDF :392151.0/18

Out: 2065.271+/-0.370 χ^2/NDF :468693.1/20

All: 2067.395+/-0.267 χ^2/NDF : 860912.3/39

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2 /NDF: 19.4/16

Left Out: 51.912 $\pm$ 22.737 χ^2 /NDF:40.6/20

Right Out: 83.101 $\pm$ 43.098 χ^2 /NDF: 16.7/18

Left In: 49.849 $\pm$ 23.586 χ^2 /NDF:24.4/18

Left: 50.919 $\pm$ 16.370 χ^2 /NDF: 64.9/39

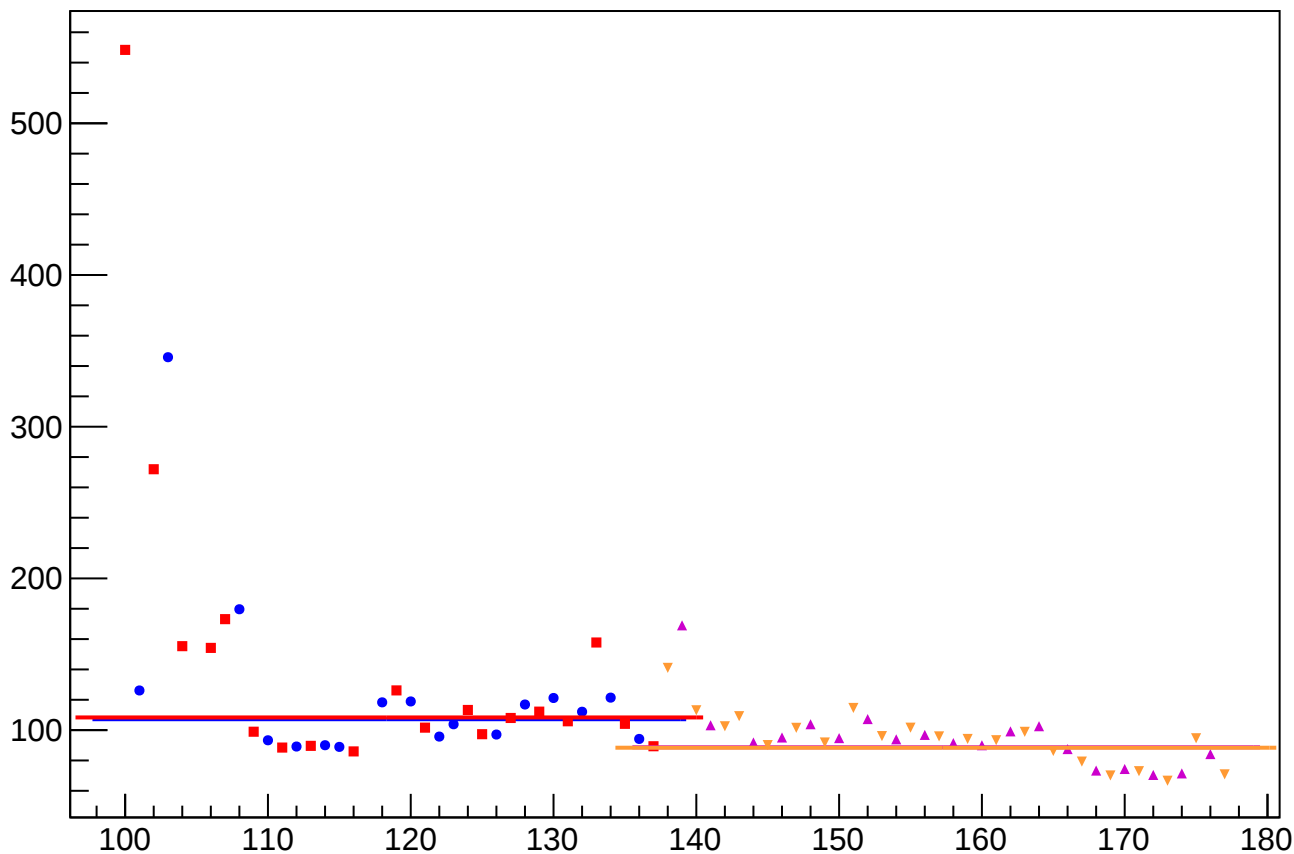
Right: 60.847 $\pm$ 30.633 χ^2 /NDF: 36.7/35

In: 47.190 $\pm$ 20.740 χ^2 /NDF:43.8/35

Out: 58.703 $\pm$ 20.110 χ^2 /NDF:57.7/39

All: 53.124 $\pm$ 14.437 χ^2 /NDF: 101.7/75

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 88.399 $\pm$ 0.016 χ^2 /NDF:967779.0/20

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

Left In: 88.671 $\pm$ 0.017 χ^2 /NDF:835284.5/18

Left: 88.530 $\pm$ 0.012 χ^2 /NDF: 1803202.0/39

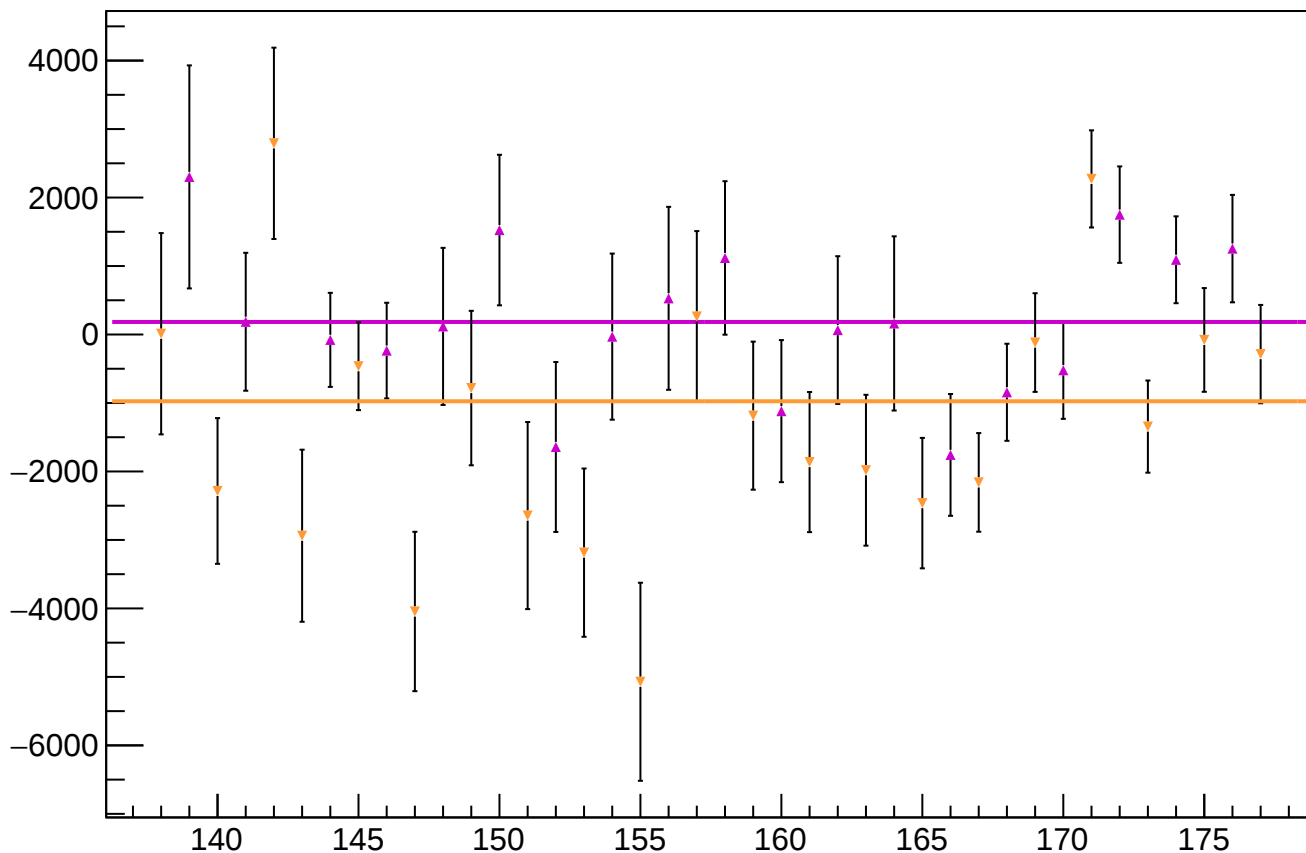
Right: 107.780 $\pm$ 0.022 χ^2 /NDF: 1761132.0/35

In: 92.871 $\pm$ 0.015 χ^2 /NDF:1958007.7/35

Out: 92.745 $\pm$ 0.014 χ^2 /NDF:2220647.3/39

All: 92.806 $\pm$ 0.010 χ^2 /NDF: 4178693.4/75

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -974.953+/-203.114 χ^2/NDF :64.8/20

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

Left In: 183.184+/-205.953 χ^2/NDF :25.0/18

Left: -403.924+/-144.617 χ^2/NDF : 105.8/39

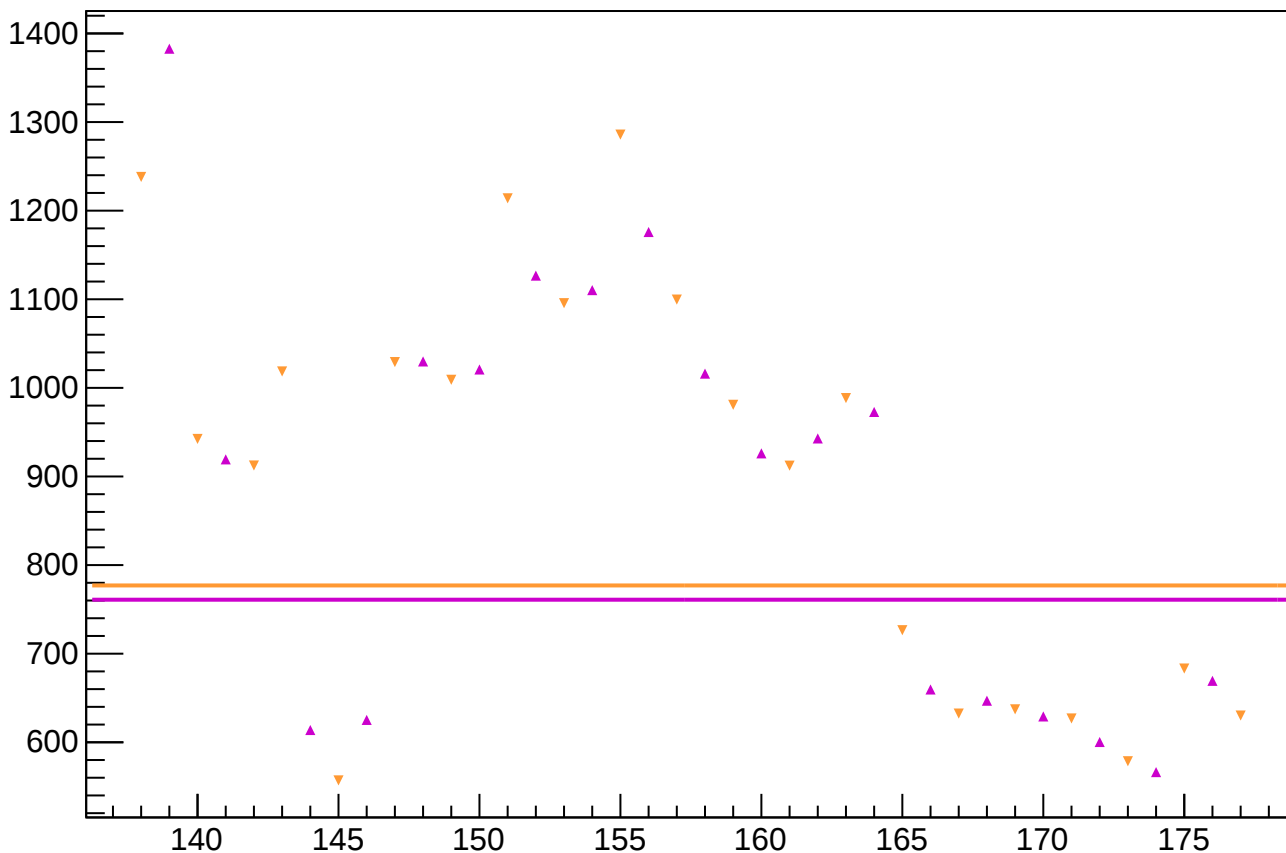
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 183.184+/-205.953 χ^2/NDF :25.0/18

Out: -974.953+/-203.114 χ^2/NDF :64.8/20

All: -403.924+/-144.617 χ^2/NDF : 105.8/39

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 777.012+/-0.144 χ^2/NDF :2191302.5/20

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

Left In: 760.917+/-0.146 χ^2/NDF :1995515.8/18

Left: 769.076+/-0.102 χ^2/NDF : 4193010.6/39

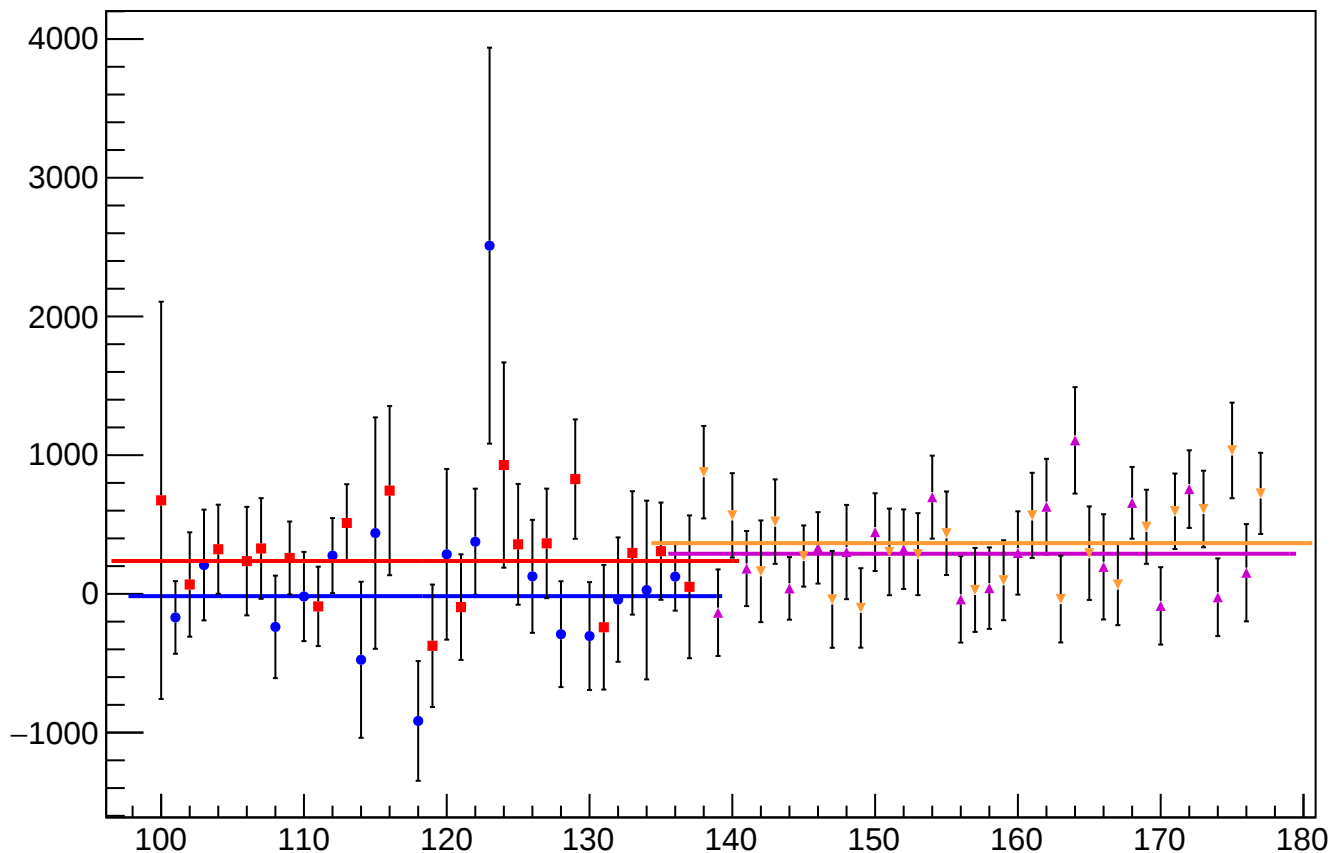
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 760.917+/-0.146 χ^2/NDF :1995515.8/18

Out: 777.012+/-0.144 χ^2/NDF :2191302.5/20

All: 769.076+/-0.102 χ^2/NDF : 4193010.6/39

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 $\pm$ 93.285 χ^2/NDF : 13.4/16

Left Out: 365.861 $\pm$ 64.999 χ^2/NDF : 20.0/20

Right Out: 236.984 $\pm$ 88.937 χ^2/NDF : 10.3/18

Left In: 289.284 $\pm$ 67.426 χ^2/NDF : 20.8/18

Left: 328.975 $\pm$ 46.796 χ^2/NDF : 41.5/39

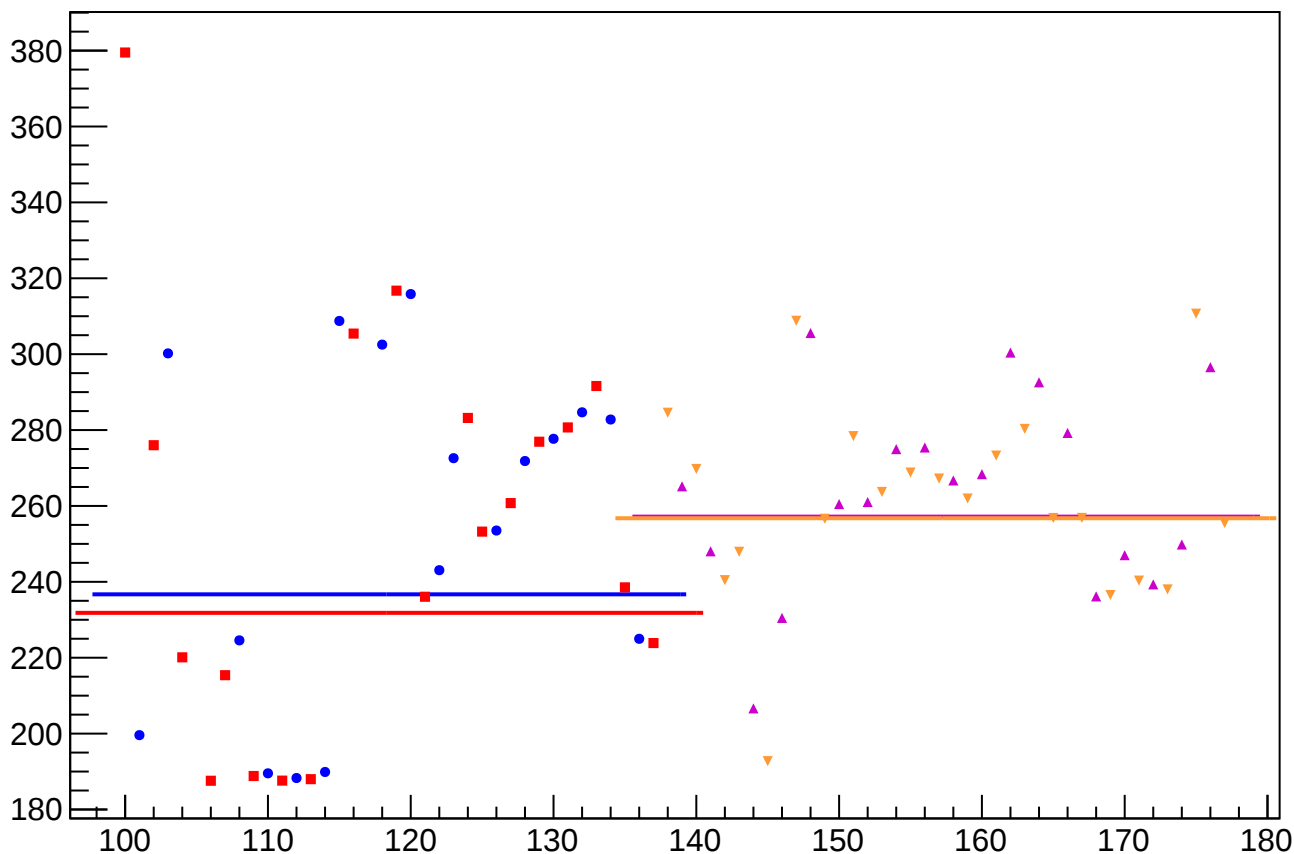
Right: 116.305 $\pm$ 64.370 χ^2/NDF : 27.6/35

In: 184.366 $\pm$ 54.646 χ^2/NDF : 41.3/35

Out: 320.991 $\pm$ 52.478 χ^2/NDF : 31.7/39

All: 255.442 $\pm$ 37.851 χ^2/NDF : 76.3/75

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 $\pm$ 0.066 χ^2/NDF : 390344.9/16

Left Out: 256.762 $\pm$ 0.046 χ^2/NDF :347313.9/20

Right Out: 231.828 $\pm$ 0.063 χ^2/NDF : 443276.3/18

Left In: 257.183 $\pm$ 0.048 χ^2/NDF :291342.6/18

Left: 256.965 $\pm$ 0.033 χ^2/NDF : 638696.9/39

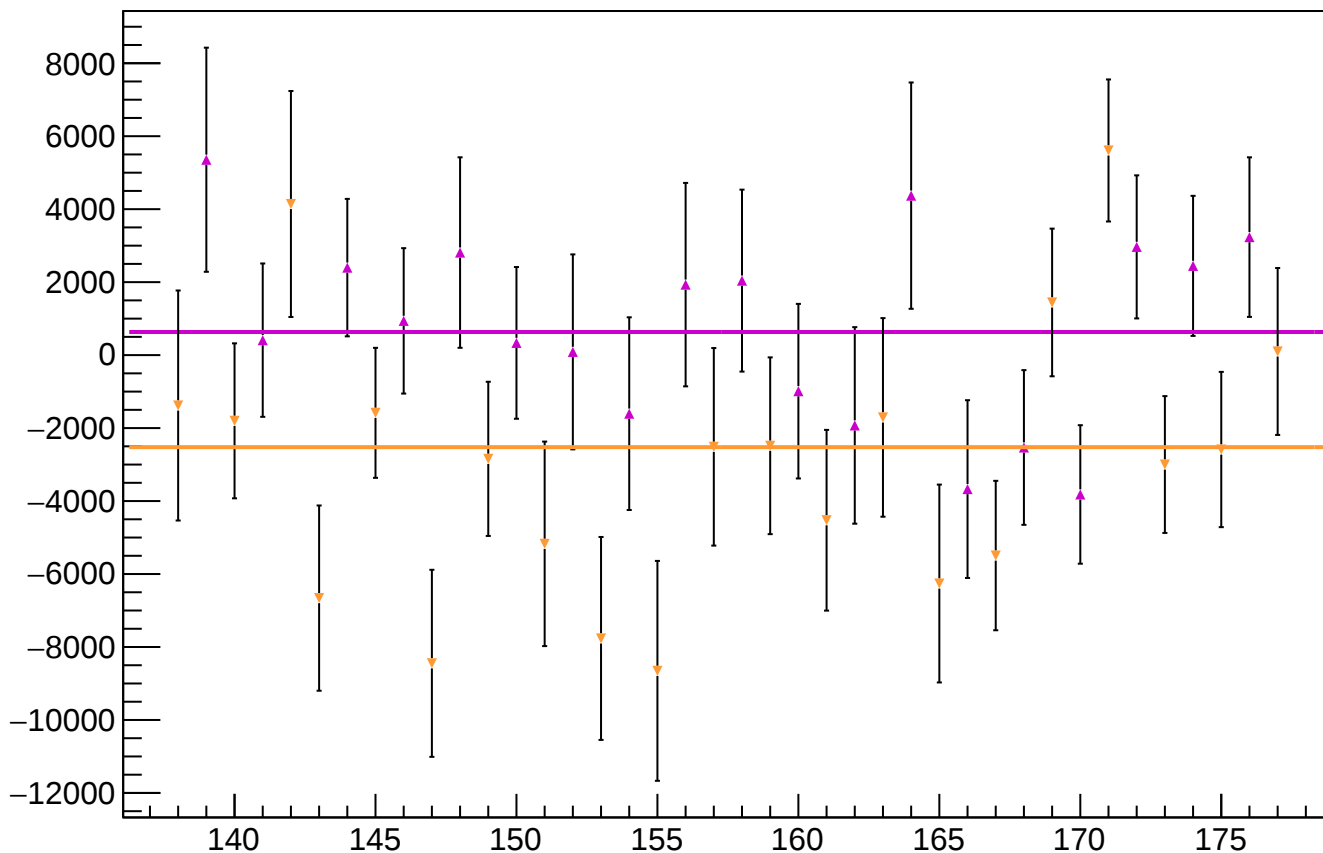
Right: 234.151 $\pm$ 0.046 χ^2/NDF : 836486.0/35

In: 250.156 $\pm$ 0.039 χ^2/NDF :744988.3/35

Out: 248.081 $\pm$ 0.037 χ^2/NDF :893053.5/39

All: 249.077 $\pm$ 0.027 χ^2/NDF : 1639543.0/75

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2522.564+/-511.401 χ^2/NDF :49.2/20

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

Left In: 633.388+/-523.942 χ^2/NDF :22.7/18

Left: -982.809+/-365.969 χ^2/NDF : 90.4/39

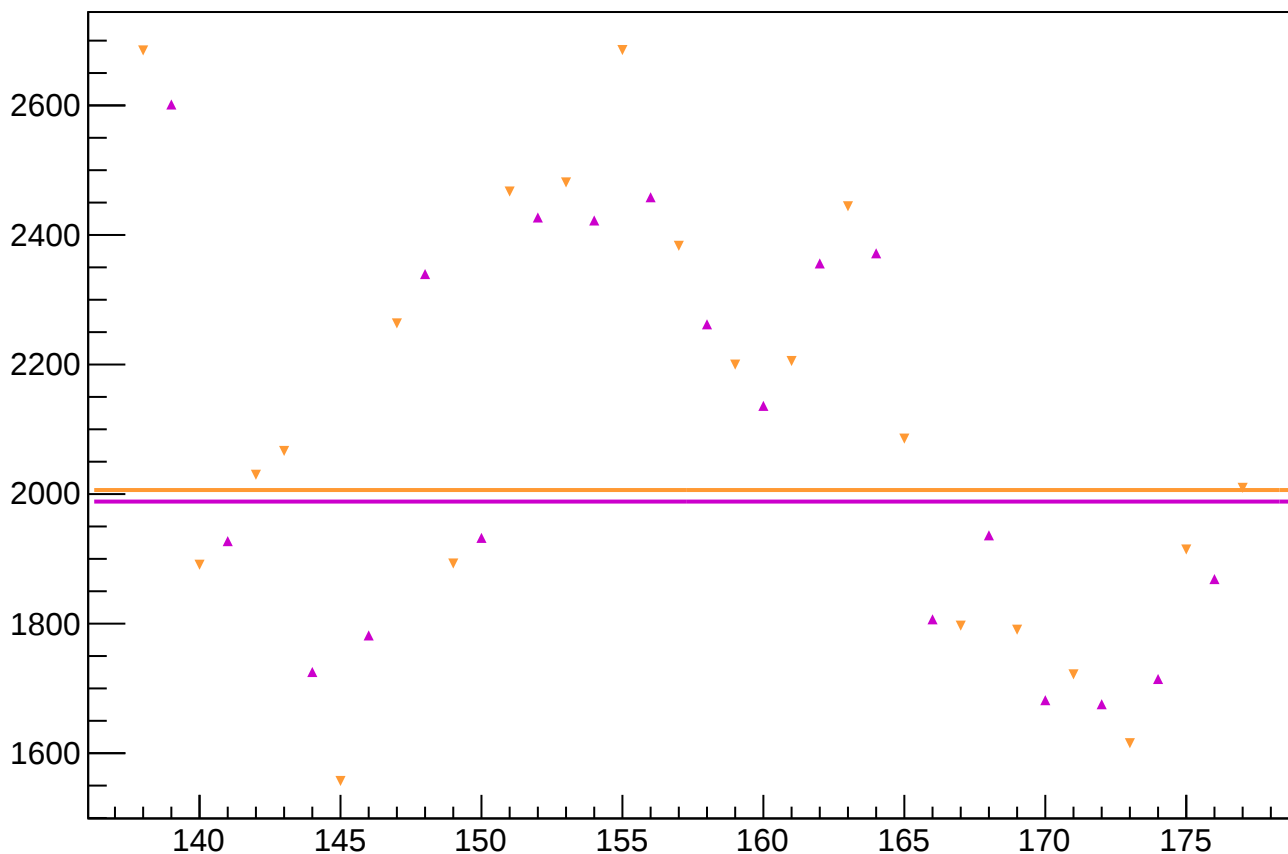
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 633.388+/-523.942 χ^2/NDF :22.7/18

Out: -2522.564+/-511.401 χ^2/NDF :49.2/20

All: -982.809+/-365.969 χ^2/NDF : 90.4/39

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2006.254+/-0.362 χ^2/NDF : 761803.1/20

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

Left In: 1988.439+/-0.370 χ^2/NDF : 605863.3/18

Left: 1997.562+/-0.259 χ^2/NDF : 1368850.5/39

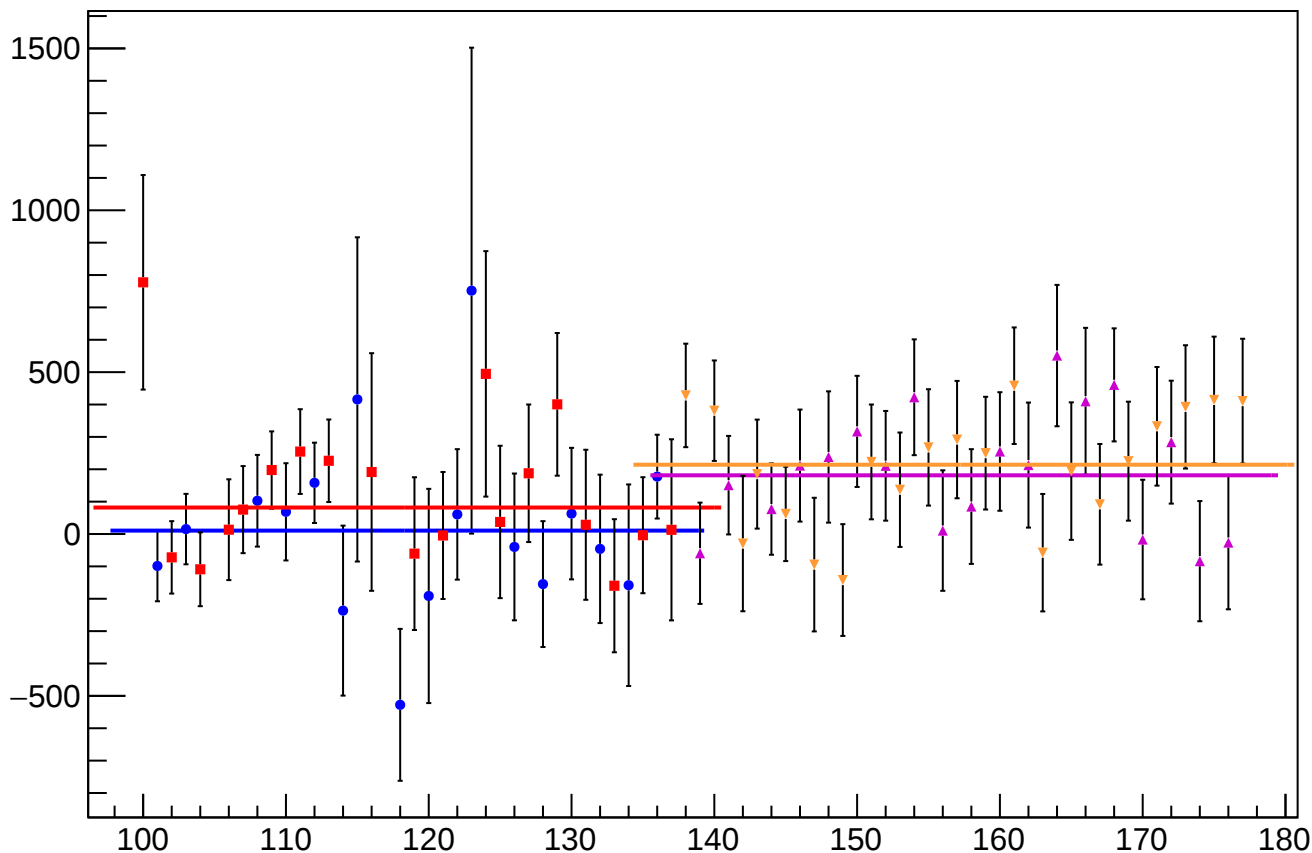
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1988.439+/-0.370 χ^2/NDF : 605863.3/18

Out: 2006.254+/-0.362 χ^2/NDF : 761803.1/20

All: 1997.562+/-0.259 χ^2/NDF : 1368850.5/39

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2/NDF : 14.1/16

Left Out: 214.045 $\pm$ 39.119 χ^2/NDF : 20.3/20

Right Out: 81.802 $\pm$ 38.985 χ^2/NDF : 19.2/18

Left In: 181.336 $\pm$ 41.092 χ^2/NDF : 17.8/18

Left: 198.495 $\pm$ 28.333 χ^2/NDF : 38.5/39

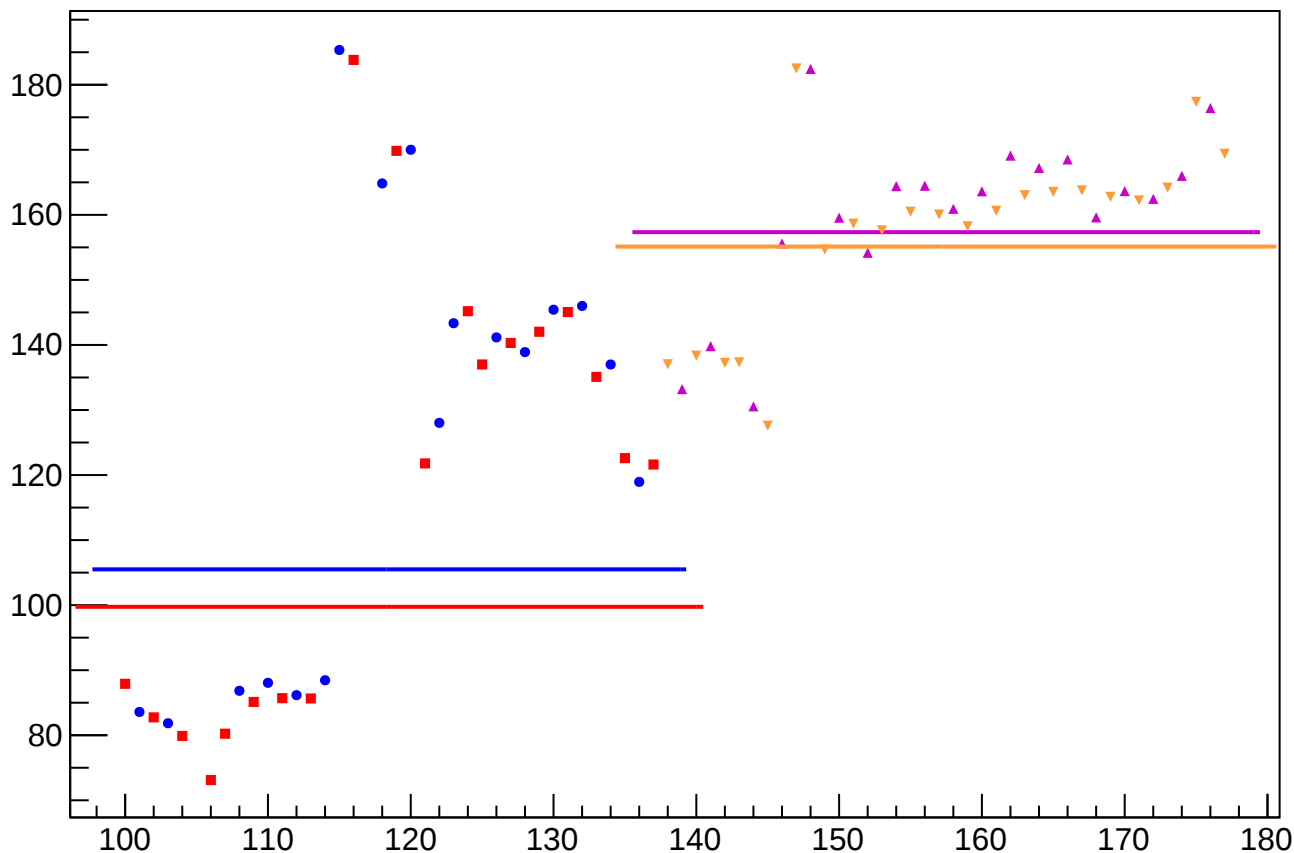
Right: 49.063 $\pm$ 28.665 χ^2/NDF : 34.8/35

In: 98.396 $\pm$ 29.472 χ^2/NDF : 40.3/35

Out: 147.697 $\pm$ 27.614 χ^2/NDF : 45.3/39

All: 124.650 $\pm$ 20.151 χ^2/NDF : 87.0/75

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 155.125 $\pm$ 0.028 χ^2 /NDF: 258716.4/20

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

Left In: 157.341 $\pm$ 0.029 χ^2 /NDF: 229165.9/18

Left: 156.178 $\pm$ 0.020 χ^2 /NDF: 490935.2/39

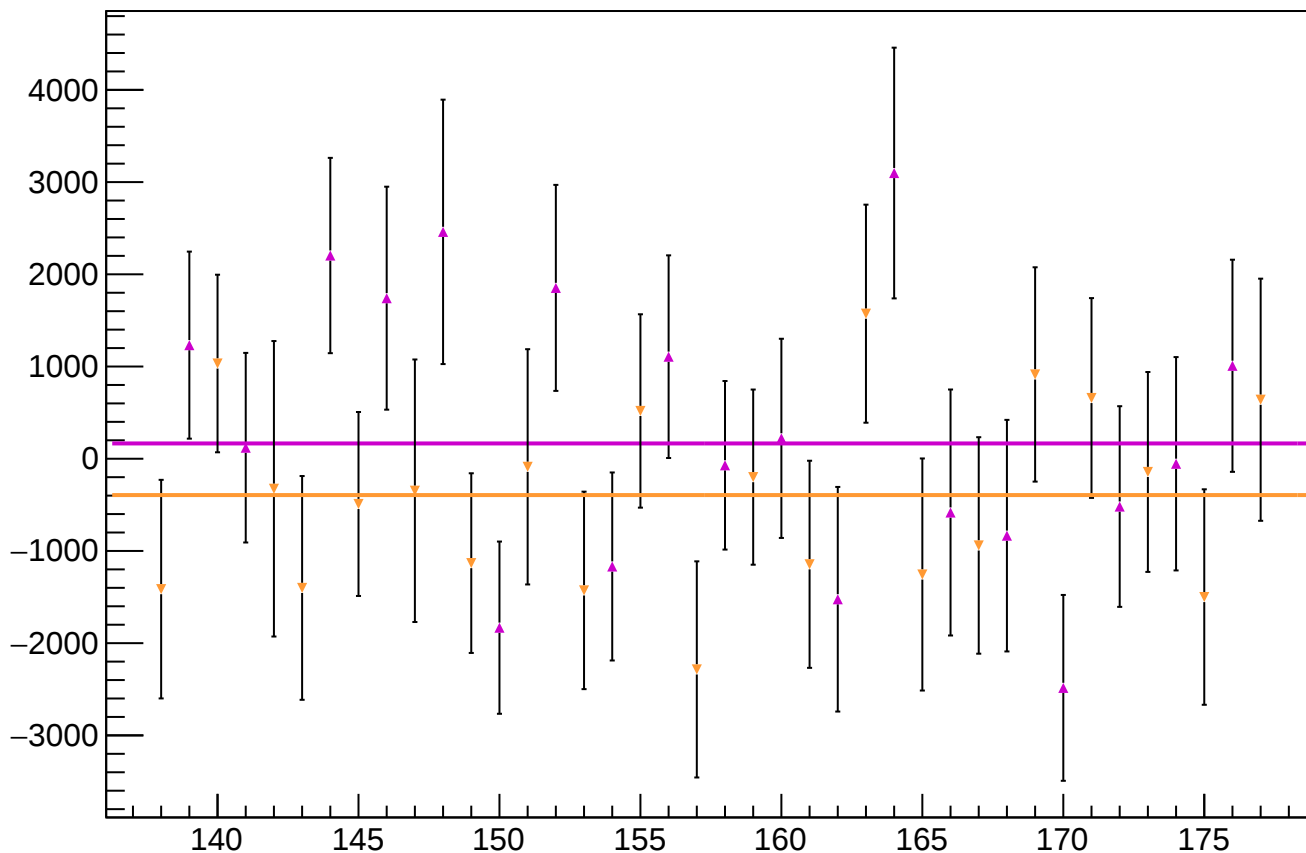
Right: 102.389 $\pm$ 0.020 χ^2 /NDF: 1889165.6/35

In: 132.169 $\pm$ 0.021 χ^2 /NDF: 2643755.4/35

Out: 127.340 $\pm$ 0.020 χ^2 /NDF: 3269915.6/39

All: 129.597 $\pm$ 0.014 χ^2 /NDF: 5942273.4/75

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -394.048+/-247.945 χ^2/NDF :16.3/20

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

Left In: 165.861+/-253.856 χ^2/NDF :33.9/18

Left: -120.687+/-177.376 χ^2/NDF : 52.6/39

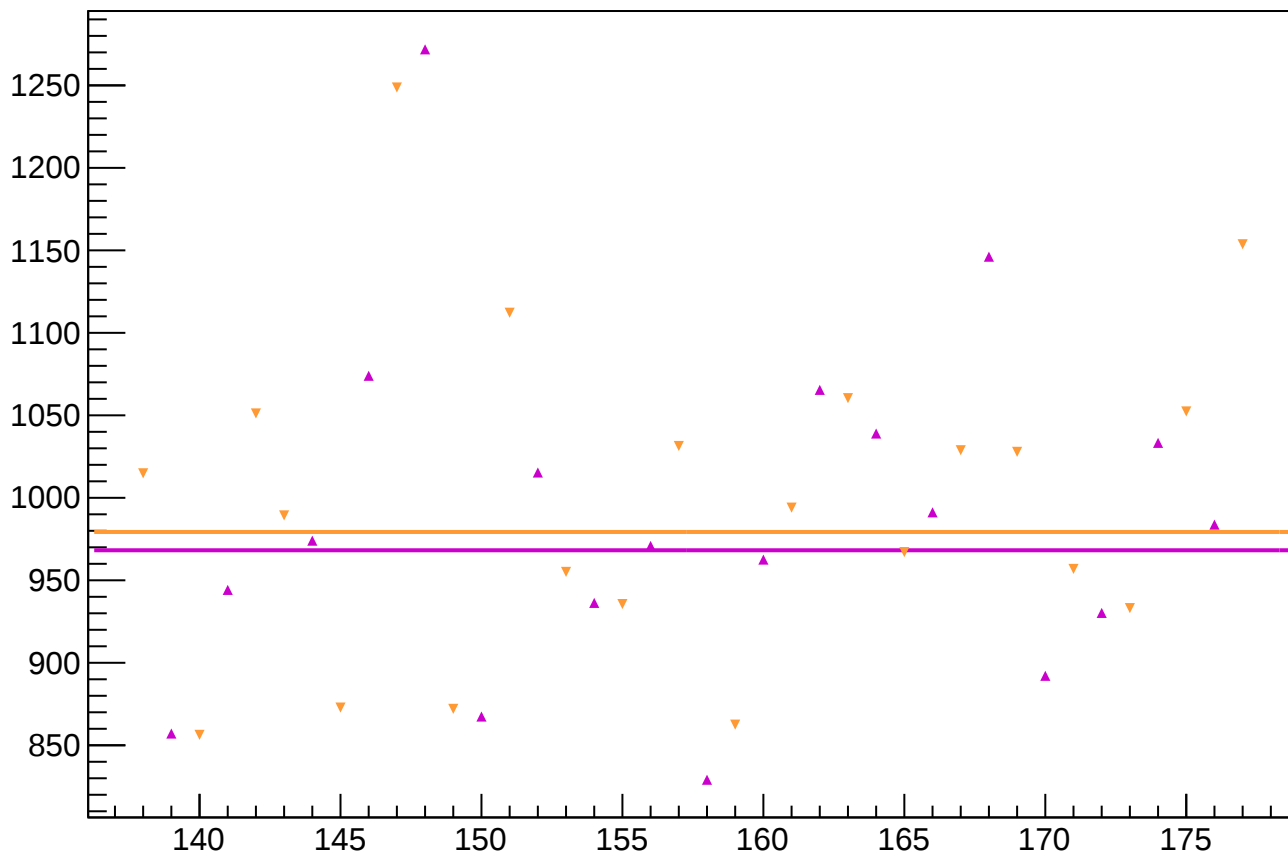
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 165.861+/-253.856 χ^2/NDF :33.9/18

Out: -394.048+/-247.945 χ^2/NDF :16.3/20

All: -120.687+/-177.376 χ^2/NDF : 52.6/39

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 979.301+/-0.175 χ^2/NDF :282213.7/20

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

Left In: 968.209+/-0.180 χ^2/NDF :284833.8/18

Left: 973.886+/-0.125 χ^2/NDF : 569001.8/39

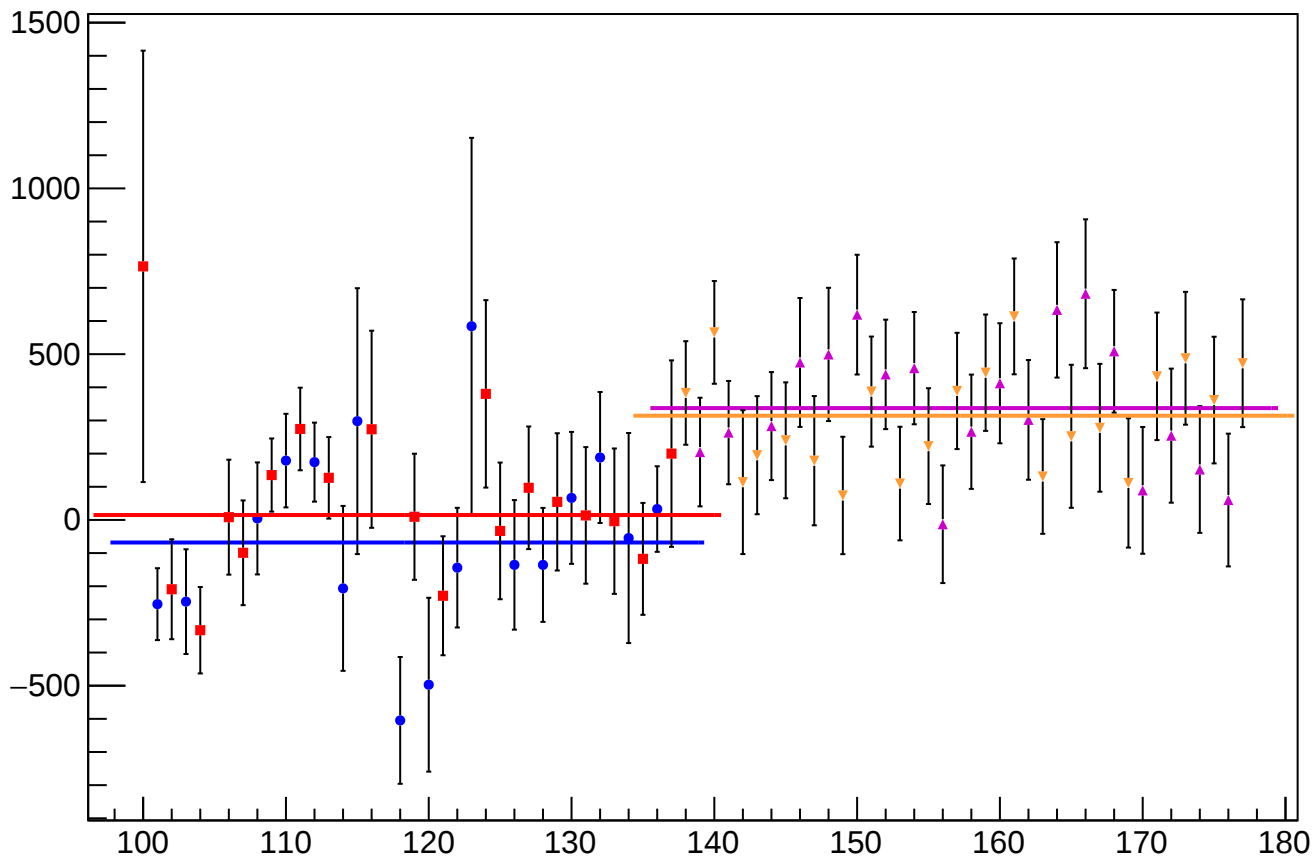
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 968.209+/-0.180 χ^2/NDF :284833.8/18

Out: 979.301+/-0.175 χ^2/NDF :282213.7/20

All: 973.886+/-0.125 χ^2/NDF : 569001.8/39

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 314.395 ± 39.479 $\chi^2/\text{NDF}: 16.4/20$

Right Out: 14.800 ± 39.467 $\chi^2/\text{NDF}: 23.1/18$

Left In: 337.336 ± 41.765 $\chi^2/\text{NDF}: 19.8/18$

Left: 325.220 ± 28.690 $\chi^2/\text{NDF}: 36.3/39$

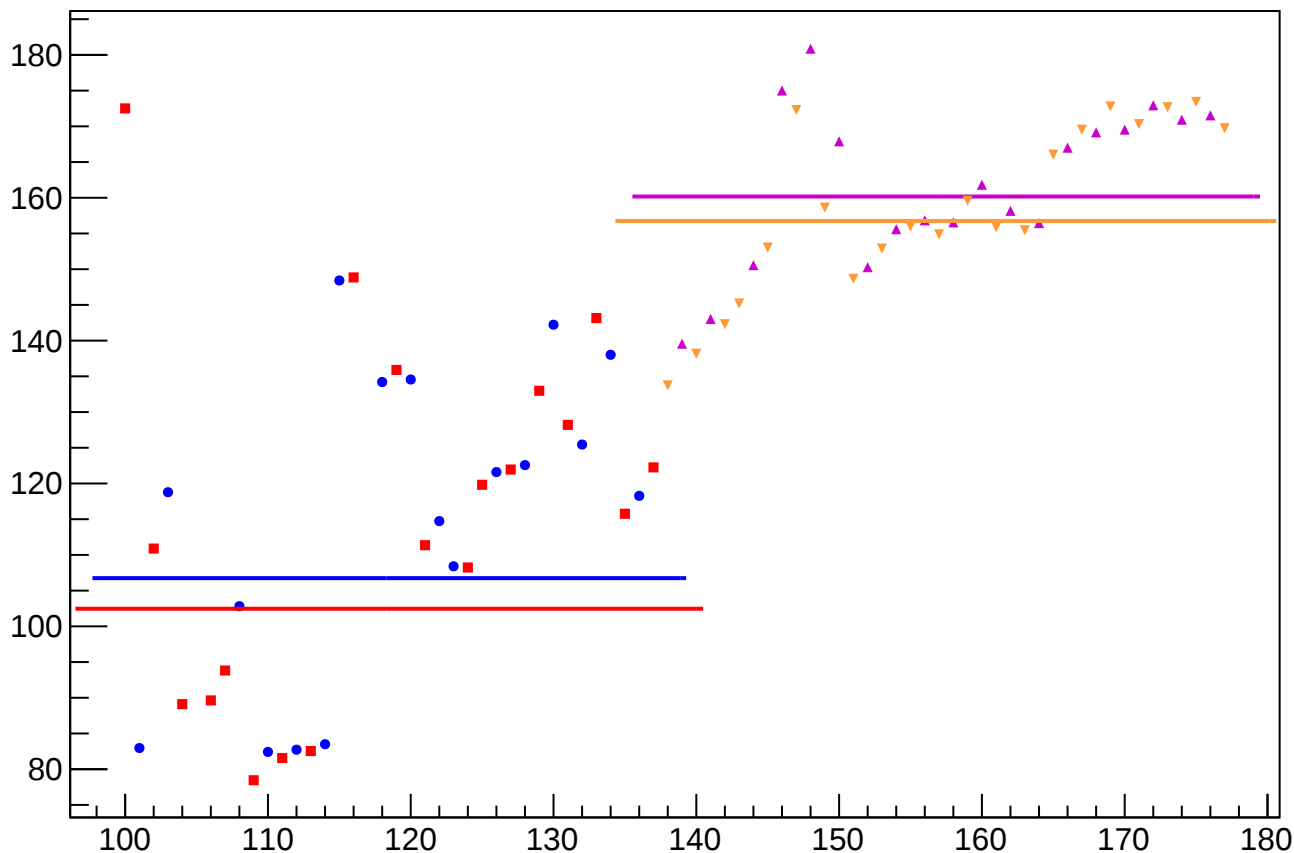
Right: -23.820 ± 28.846 $\chi^2/\text{NDF}: 53.0/35$

In: 137.024 ± 29.708 $\chi^2/\text{NDF}: 94.2/35$

Out: 164.550 ± 27.911 $\chi^2/\text{NDF}: 68.3/39$

All: 151.644 ± 20.342 $\chi^2/\text{NDF}: 162.9/75$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 156.749+/-0.028 χ^2/NDF :182934.5/20

Right Out: 102.467+/-0.028 χ^2/NDF : 589344.0/18

Left In: 160.176+/-0.030 χ^2/NDF :142735.8/18

Left: 158.366+/-0.020 χ^2/NDF : 332780.2/39

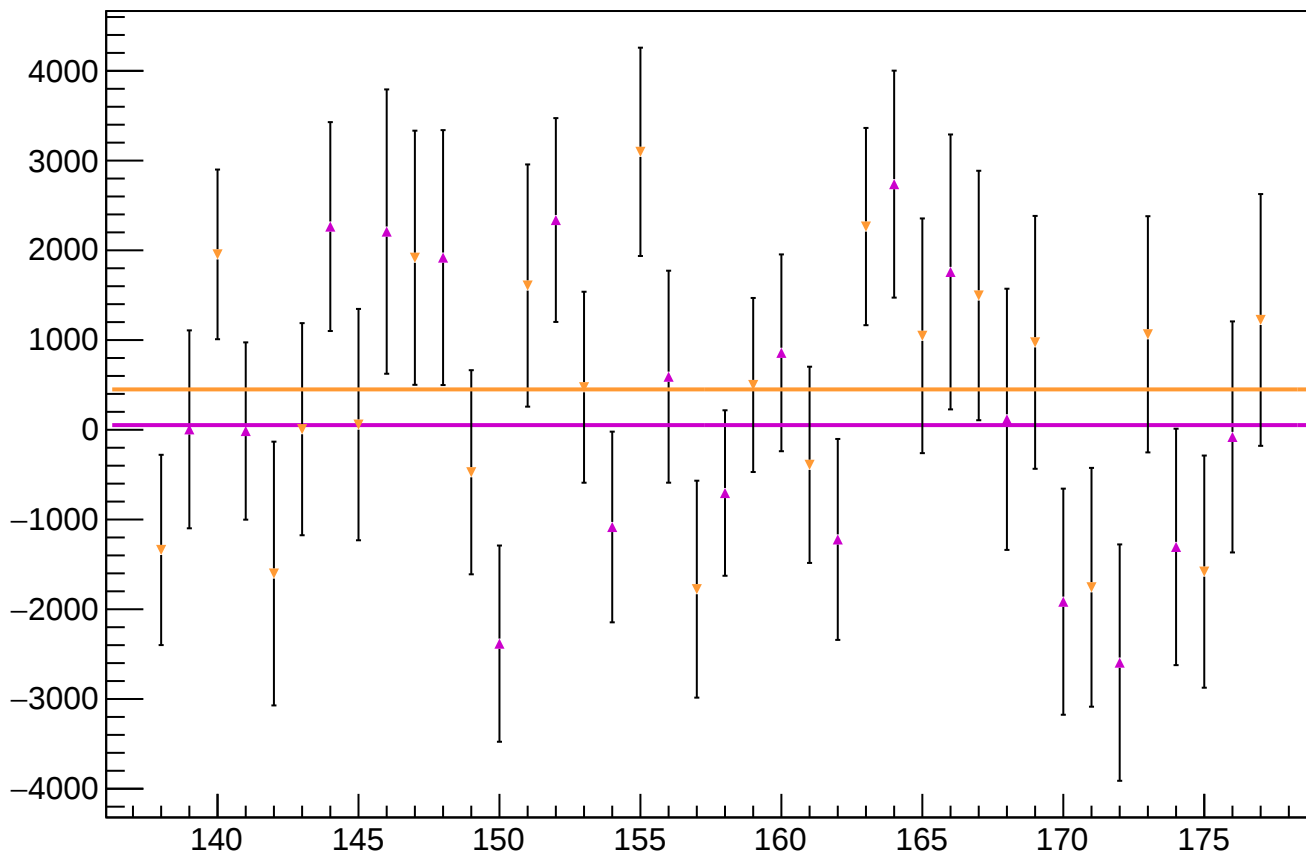
Right: 104.462+/-0.020 χ^2/NDF : 1102055.3/35

In: 133.780+/-0.021 χ^2/NDF :2261350.1/35

Out: 129.599+/-0.020 χ^2/NDF :2663380.6/39

All: 131.560+/-0.014 χ^2/NDF : 4945770.4/75

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 450.074+/-262.613 χ^2/NDF :28.6/20

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

Left In: 52.214+/-273.100 χ^2/NDF :33.4/18

Left: 258.929+/-189.294 χ^2/NDF : 63.1/39

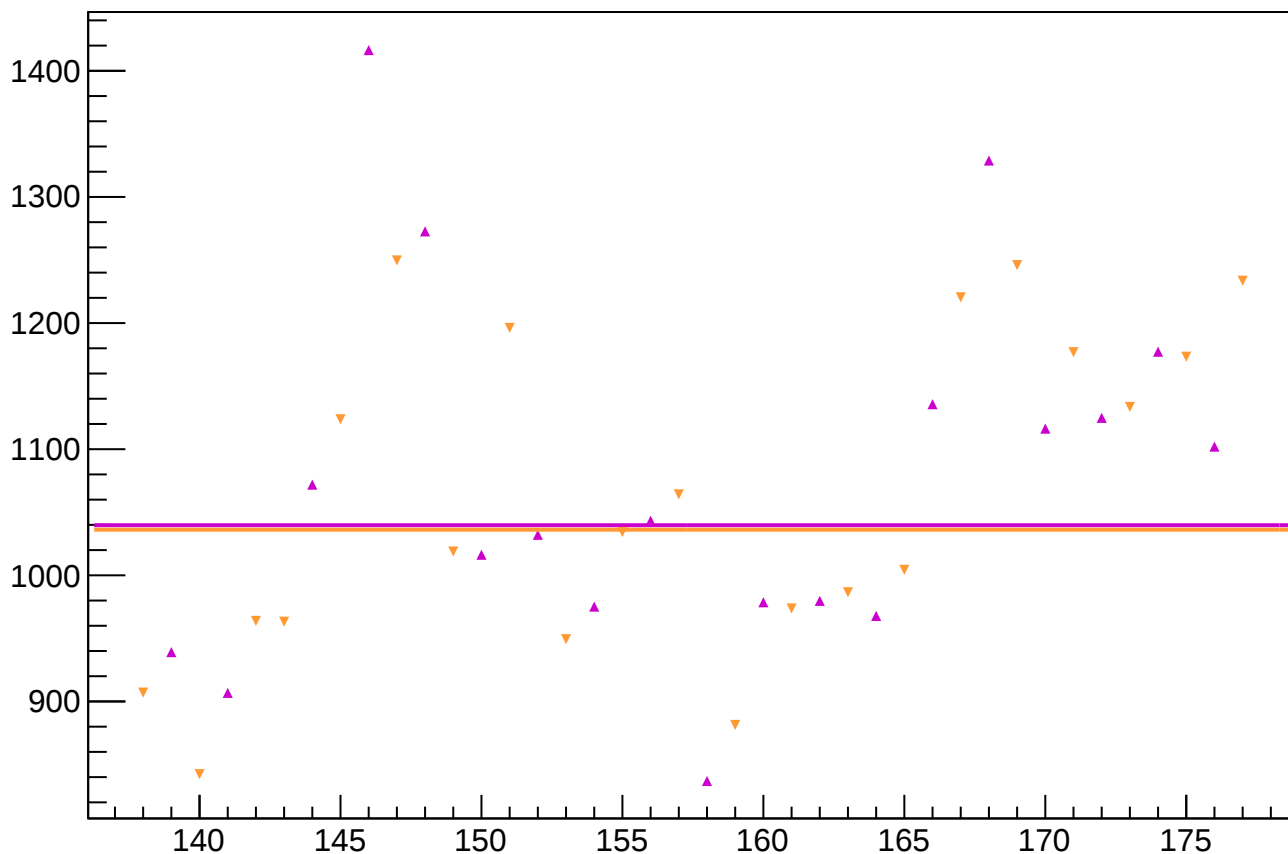
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 52.214+/-273.100 χ^2/NDF :33.4/18

Out: 450.074+/-262.613 χ^2/NDF :28.6/20

All: 258.929+/-189.294 χ^2/NDF : 63.1/39

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1036.155+/-0.186 χ^2/NDF : 461435.7/20

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

Left In: 1039.713+/-0.193 χ^2/NDF : 473855.0/18

Left: 1037.864+/-0.134 χ^2/NDF : 935467.1/39

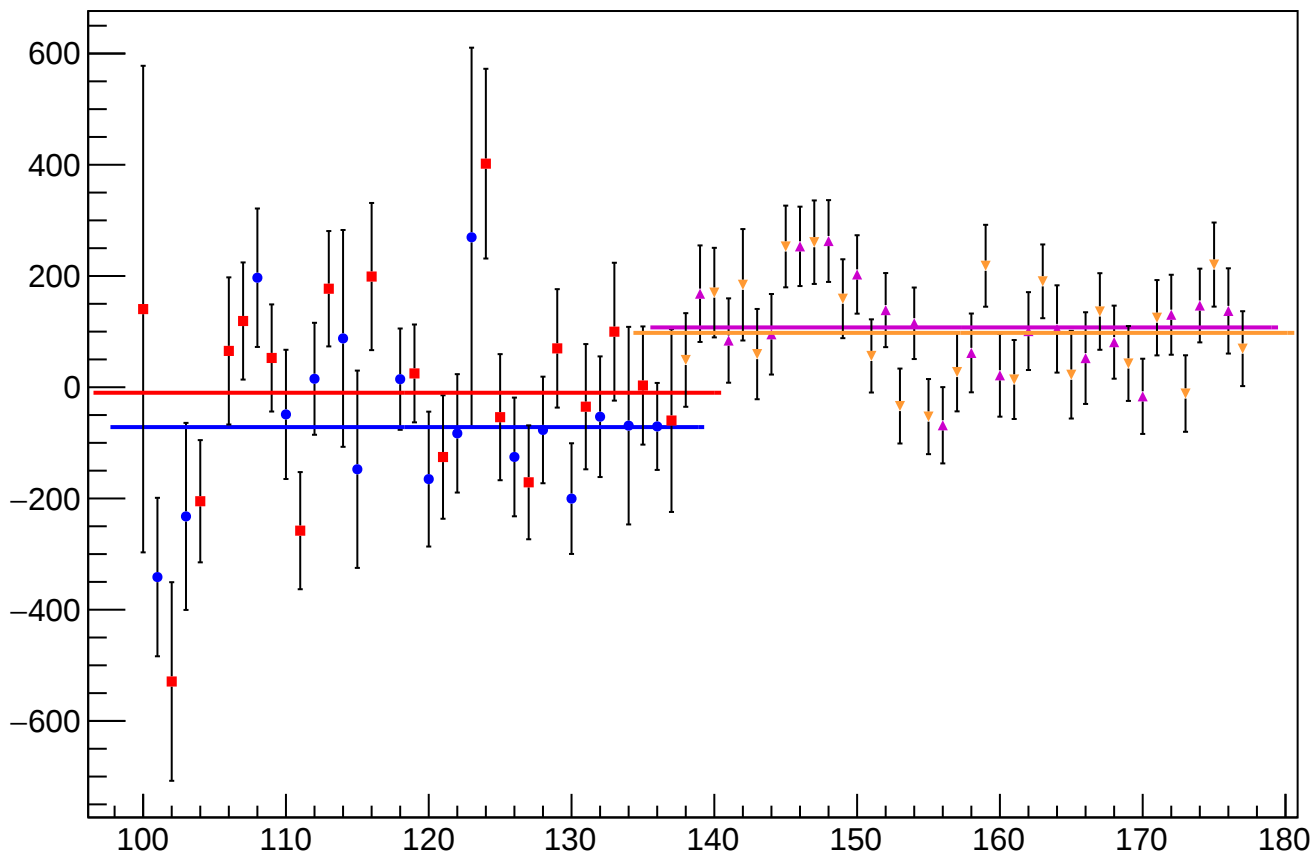
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1039.713+/-0.193 χ^2/NDF : 473855.0/18

Out: 1036.155+/-0.186 χ^2/NDF : 461435.7/20

All: 1037.864+/-0.134 χ^2/NDF : 935467.1/39

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 97.741 ± 15.797 $\chi^2/\text{NDF}: 35.6/20$

Right Out: -9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

Left In: 107.567 ± 16.450 $\chi^2/\text{NDF}: 24.2/18$

Left: 102.455 ± 11.394 $\chi^2/\text{NDF}: 60.0/39$

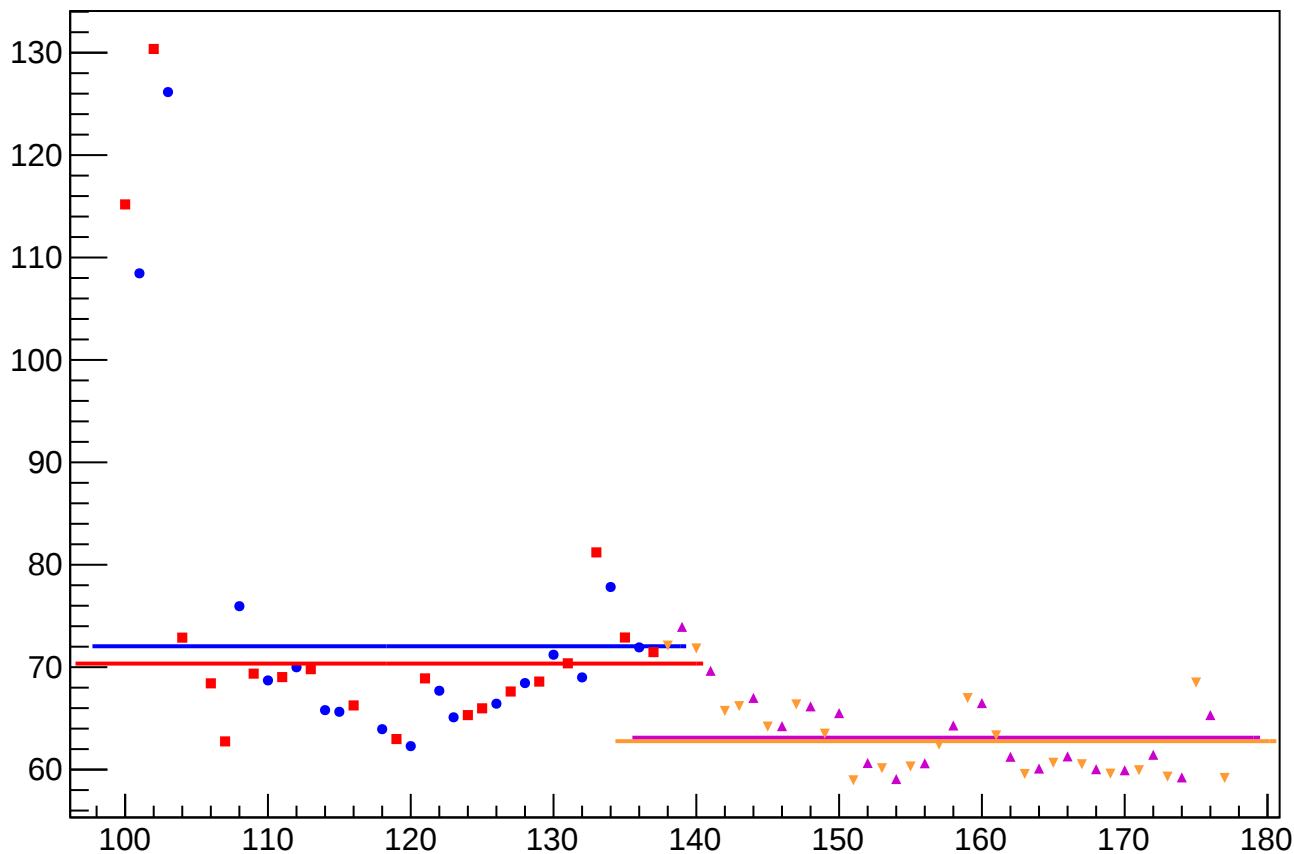
Right: -39.068 ± 19.484 $\chi^2/\text{NDF}: 54.2/35$

In: 62.439 ± 14.230 $\chi^2/\text{NDF}: 69.4/35$

Out: 70.005 ± 13.611 $\chi^2/\text{NDF}: 84.1/39$

All: 66.390 ± 9.836 $\chi^2/\text{NDF}: 153.6/75$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 62.775 $\pm$ 0.011 χ^2 /NDF: 118332.5/20

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

Left In: 63.113 $\pm$ 0.012 χ^2 /NDF: 99685.1/18

Left: 62.937 $\pm$ 0.008 χ^2 /NDF: 218458.3/39

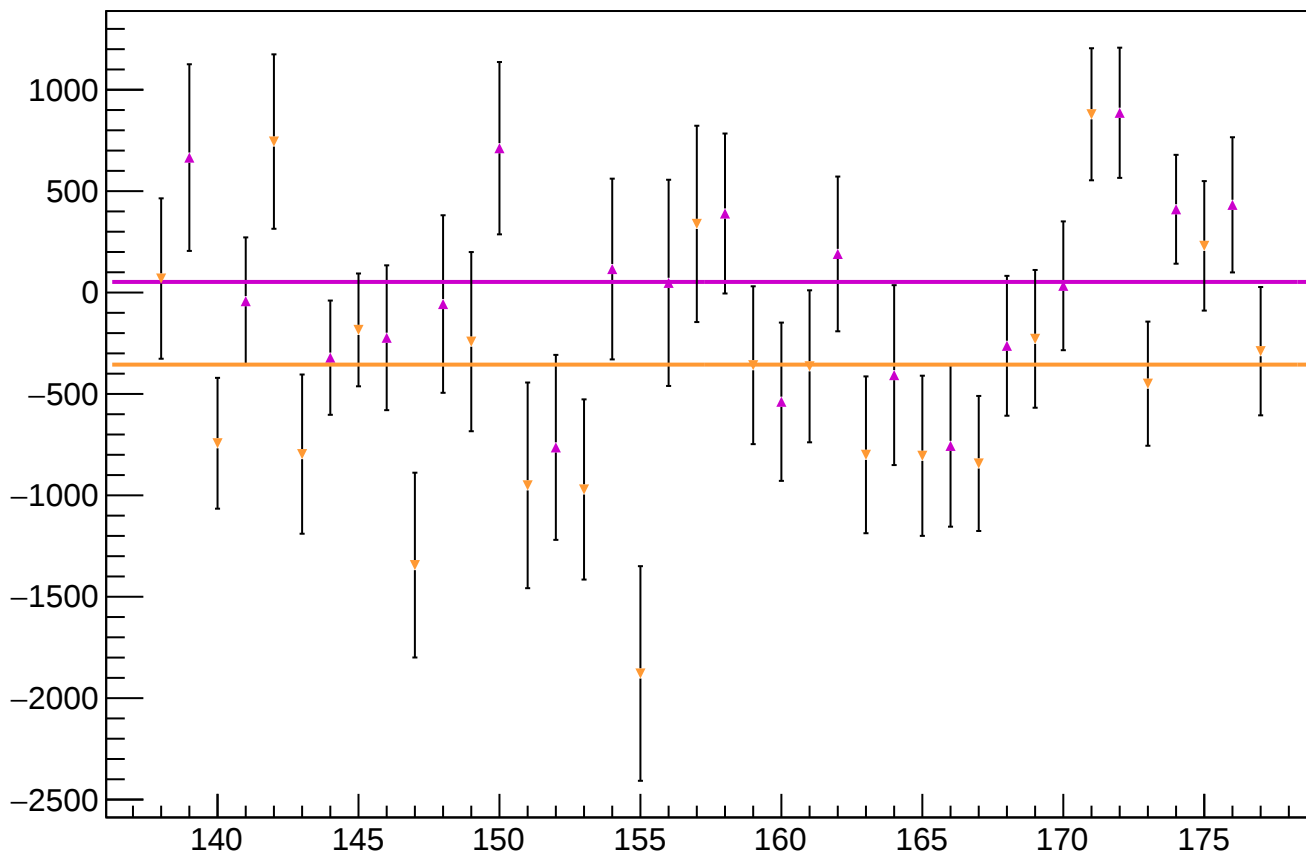
Right: 71.149 $\pm$ 0.014 χ^2 /NDF: 694733.5/35

In: 65.361 $\pm$ 0.010 χ^2 /NDF: 640022.0/35

Out: 64.726 $\pm$ 0.010 χ^2 /NDF: 535856.3/39

All: 65.030 $\pm$ 0.007 χ^2 /NDF: 1177957.6/75

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -355.346+/-81.116 χ^2/NDF :52.0/20

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

Left In: 52.326+/-83.942 χ^2/NDF :28.9/18

Left: -158.490+/-58.331 χ^2/NDF : 93.1/39

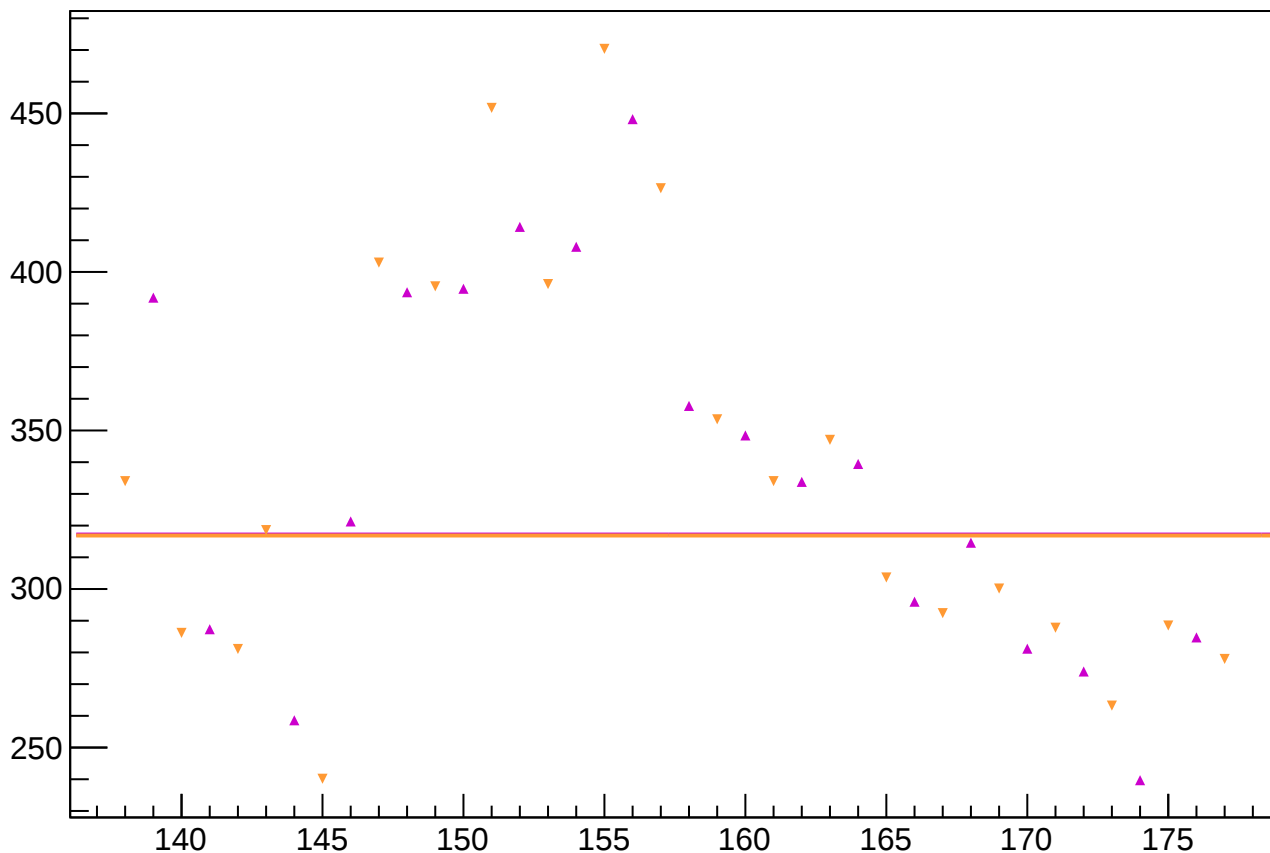
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 52.326+/-83.942 χ^2/NDF :28.9/18

Out: -355.346+/-81.116 χ^2/NDF :52.0/20

All: -158.490+/-58.331 χ^2/NDF : 93.1/39

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 316.880+/-0.057 χ^2/NDF : 973965.5/20

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

Left In: 317.170+/-0.059 χ^2/NDF : 887501.8/18

Left: 317.020+/-0.041 χ^2/NDF : 1861479.7/39

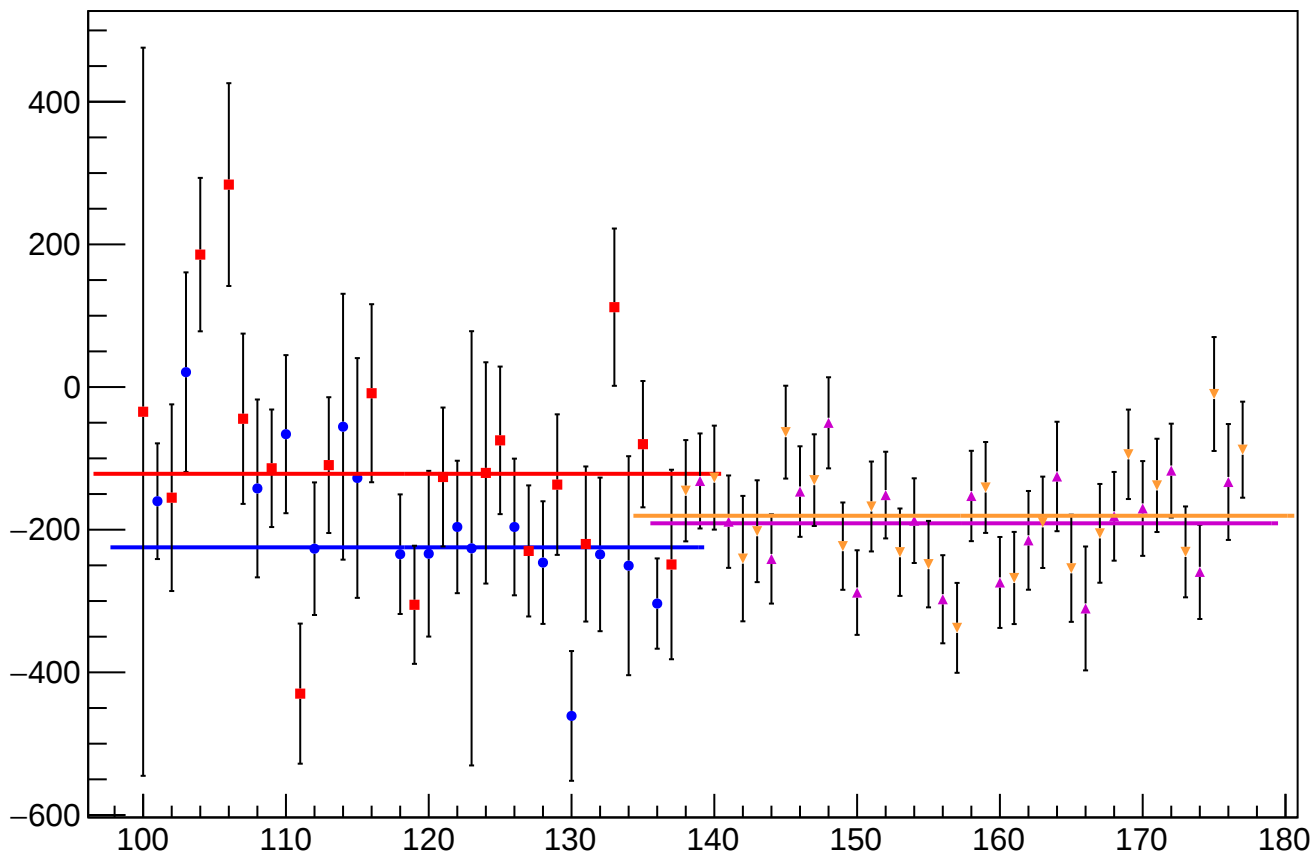
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 317.170+/-0.059 χ^2/NDF : 887501.8/18

Out: 316.880+/-0.057 χ^2/NDF : 973965.5/20

All: 317.020+/-0.041 χ^2/NDF : 1861479.7/39

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -180.453 ± 14.546 χ^2/NDF : 26.6/20

Right Out: -121.633 ± 24.599 χ^2/NDF : 40.5/18

Left In: -191.037 ± 15.047 χ^2/NDF : 20.6/18

Left: -185.566 ± 10.458 χ^2/NDF : 47.5/39

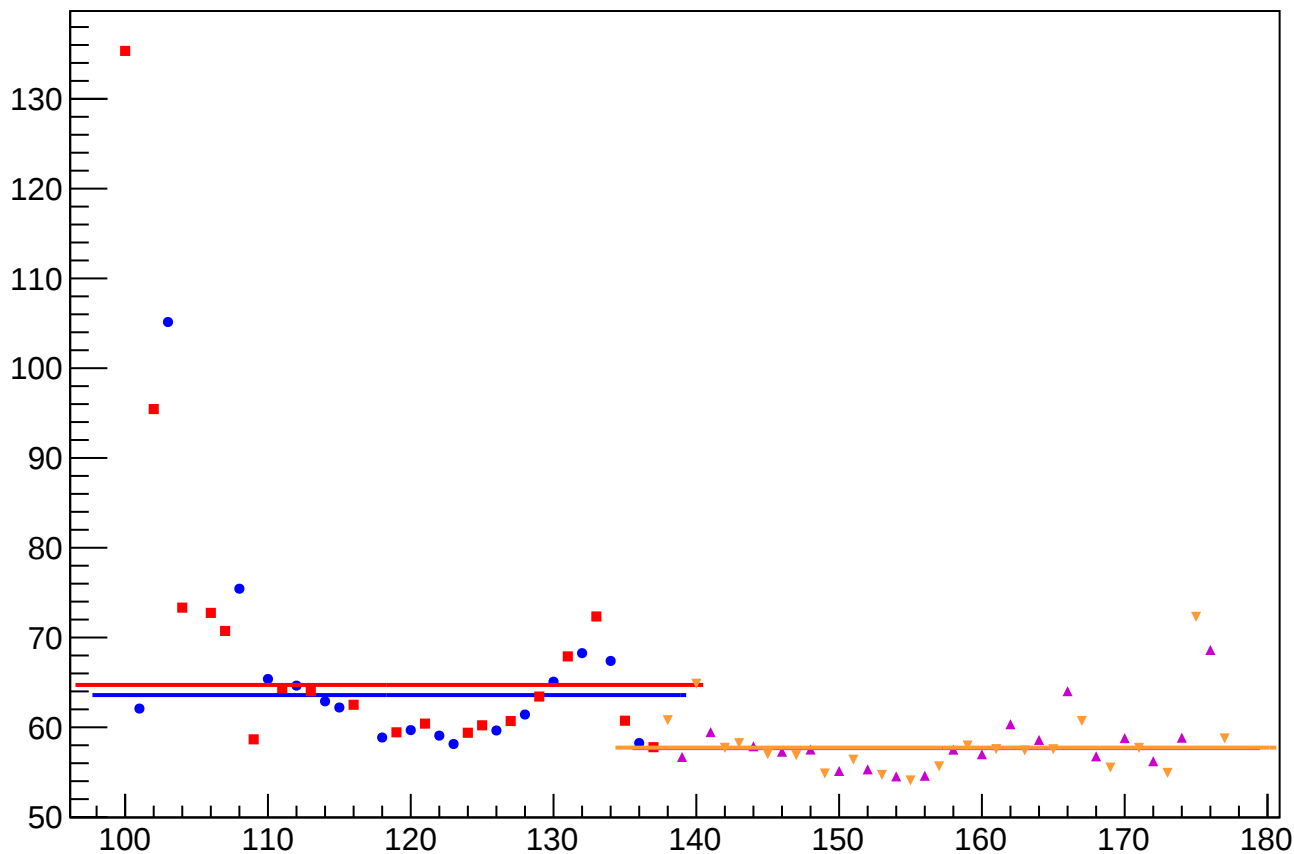
Right: -172.594 ± 17.493 χ^2/NDF : 65.1/35

In: -200.059 ± 12.876 χ^2/NDF : 37.9/35

Out: -165.215 ± 12.521 χ^2/NDF : 71.3/39

All: -182.150 ± 8.976 χ^2/NDF : 113.0/75

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 ± 0.018 $\chi^2/\text{NDF}: 234601.0/16$

Left Out: 57.736 ± 0.010 $\chi^2/\text{NDF}: 120380.5/20$

Right Out: 64.720 ± 0.017 $\chi^2/\text{NDF}: 227506.4/18$

Left In: 57.683 ± 0.011 $\chi^2/\text{NDF}: 72342.0/18$

Left: 57.710 ± 0.007 $\chi^2/\text{NDF}: 192735.3/39$

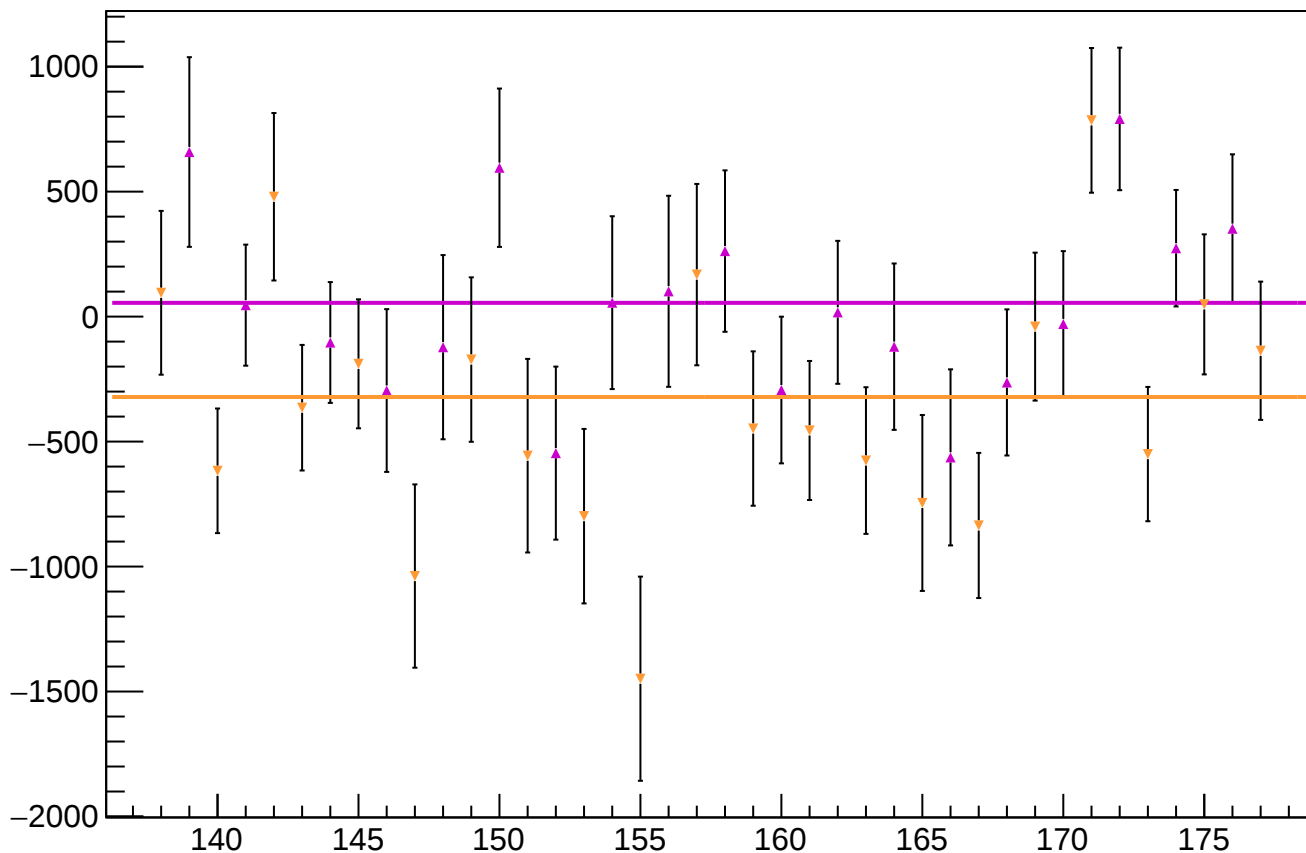
Right: 64.161 ± 0.012 $\chi^2/\text{NDF}: 464197.3/35$

In: 59.265 ± 0.009 $\chi^2/\text{NDF}: 389463.1/35$

Out: 59.545 ± 0.009 $\chi^2/\text{NDF}: 467348.9/39$

All: 59.409 ± 0.006 $\chi^2/\text{NDF}: 857299.7/75$

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -321.662+/-66.181 χ^2/NDF : 48.9/20

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

Left In: 55.045+/-69.430 χ^2/NDF : 25.3/18

Left: -142.330+/-47.904 χ^2/NDF : 89.6/39

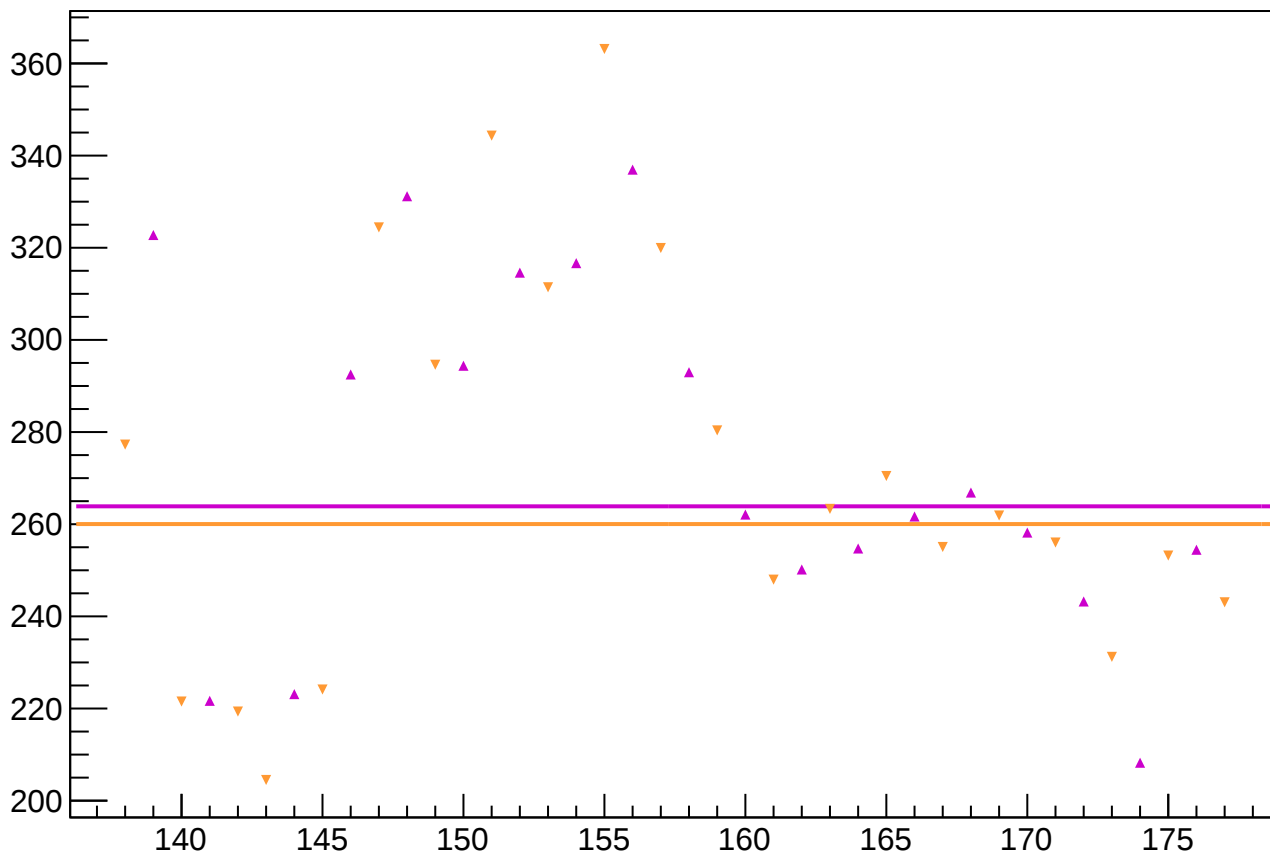
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 55.045+/-69.430 χ^2/NDF : 25.3/18

Out: -321.662+/-66.181 χ^2/NDF : 48.9/20

All: -142.330+/-47.904 χ^2/NDF : 89.6/39

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 260.032+/-0.047 χ^2/NDF : 670377.7/20

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

Left In: 263.881+/-0.049 χ^2/NDF : 579148.8/18

Left: 261.865+/-0.034 χ^2/NDF : 1252747.7/39

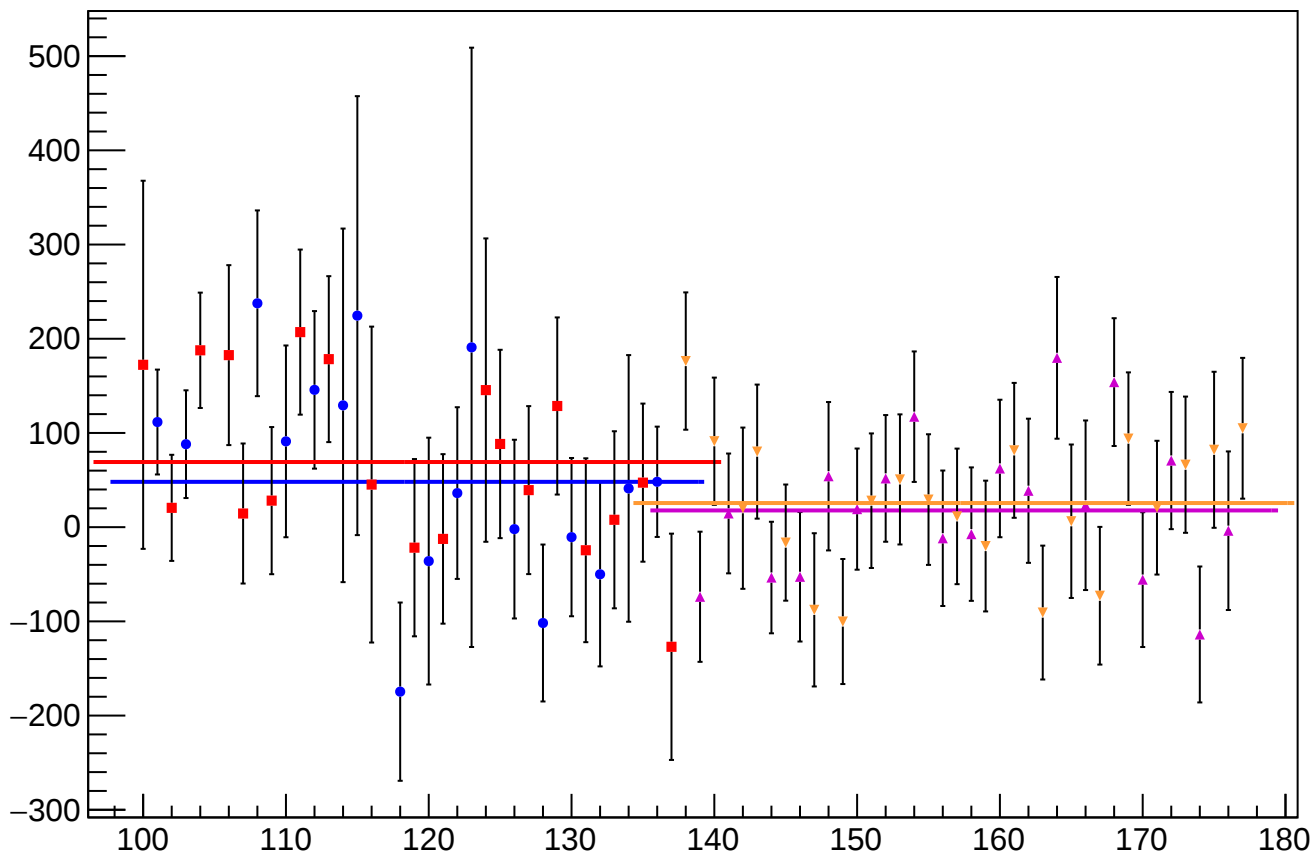
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 263.881+/-0.049 χ^2/NDF : 579148.8/18

Out: 260.032+/-0.047 χ^2/NDF : 670377.7/20

All: 261.865+/-0.034 χ^2/NDF : 1252747.7/39

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: 25.611 $\pm$ 15.723 χ^2 /NDF:20.4/20

Right Out: 69.156 $\pm$ 20.407 χ^2 /NDF: 17.7/18

Left In: 17.757 $\pm$ 16.370 χ^2 /NDF:20.1/18

Left: 21.842 $\pm$ 11.340 χ^2 /NDF: 40.7/39

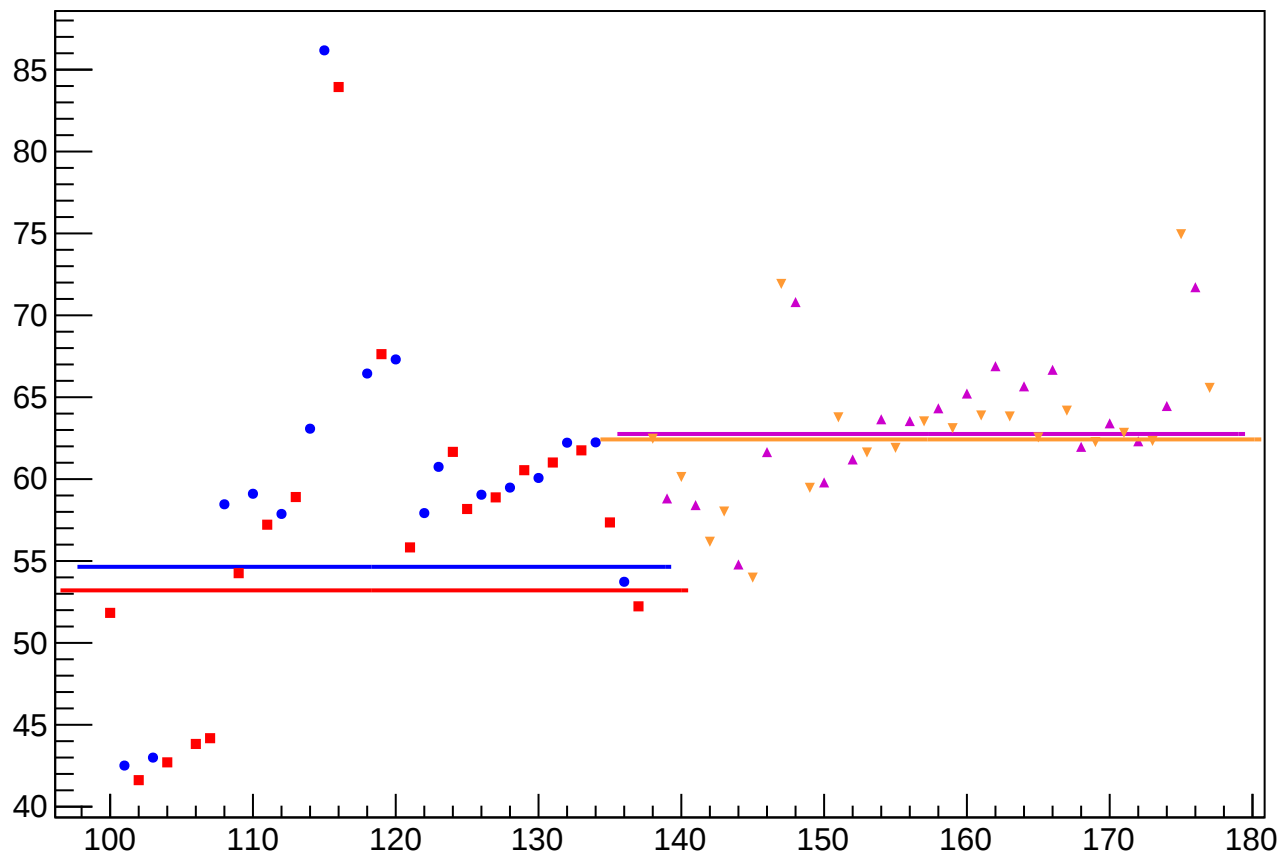
Right: 59.186 $\pm$ 14.805 χ^2 /NDF: 37.1/35

In: 28.889 $\pm$ 13.027 χ^2 /NDF:40.3/35

Out: 41.831 $\pm$ 12.455 χ^2 /NDF:40.9/39

All: 35.650 $\pm$ 9.002 χ^2 /NDF: 81.8/75

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 62.424 $\pm$ 0.011 χ^2 /NDF:143220.5/20

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

Left In: 62.756 $\pm$ 0.012 χ^2 /NDF:118864.8/18

Left: 62.583 $\pm$ 0.008 χ^2 /NDF: 262515.3/39

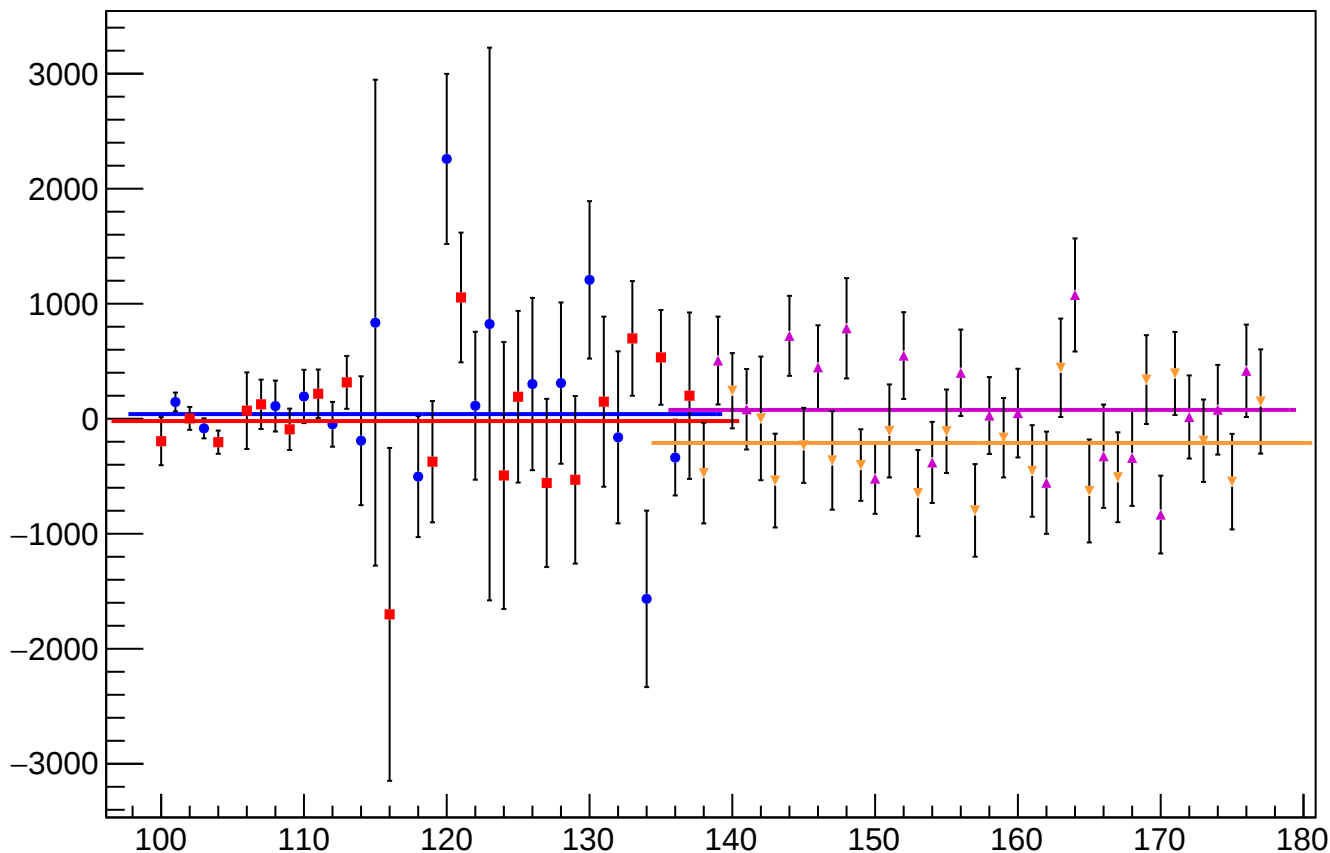
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 59.781 $\pm$ 0.009 χ^2 /NDF:618265.9/35

Out: 58.990 $\pm$ 0.009 χ^2 /NDF:785517.3/39

All: 59.368 $\pm$ 0.006 χ^2 /NDF: 1407634.9/75

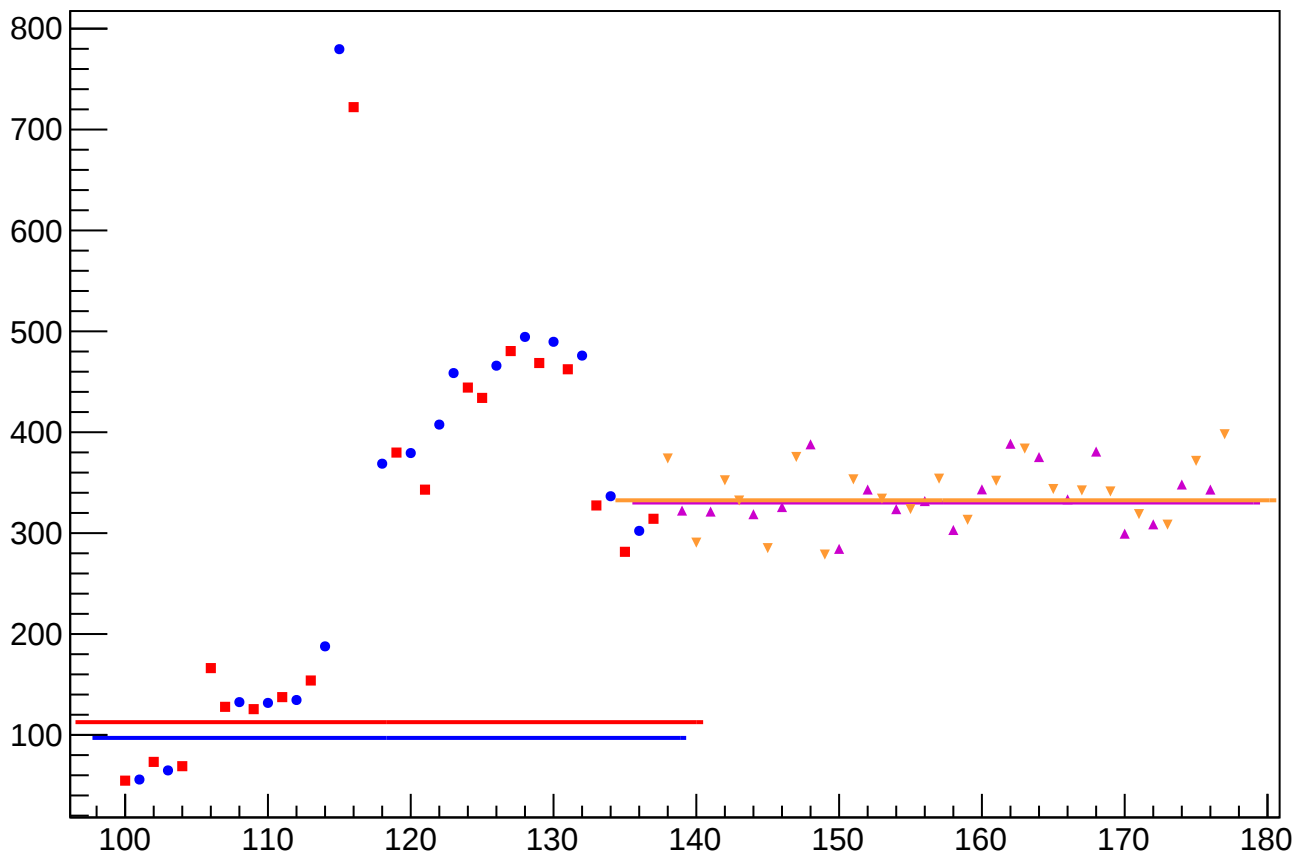
asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16
 Left Out: -210.620+/-84.282 χ^2/NDF : 17.5/20
 Right Out: -20.232+/-53.274 χ^2/NDF : 18.9/18
 Left In: 76.633+/-86.524 χ^2/NDF : 32.1/18

Left: -70.763+/-60.373 χ^2/NDF : 55.3/39
 Right: 10.986+/-37.043 χ^2/NDF : 43.4/35
 In: 49.748+/-44.281 χ^2/NDF : 56.1/35
 Out: -74.584+/-45.032 χ^2/NDF : 40.1/39
 All: -11.372+/-31.574 χ^2/NDF : 100.1/75

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 332.543+/-0.060 χ^2/NDF : 302441.8/20

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

Left In: 330.326+/-0.061 χ^2/NDF : 213825.1/18

Left: 331.464+/-0.043 χ^2/NDF : 516940.4/39

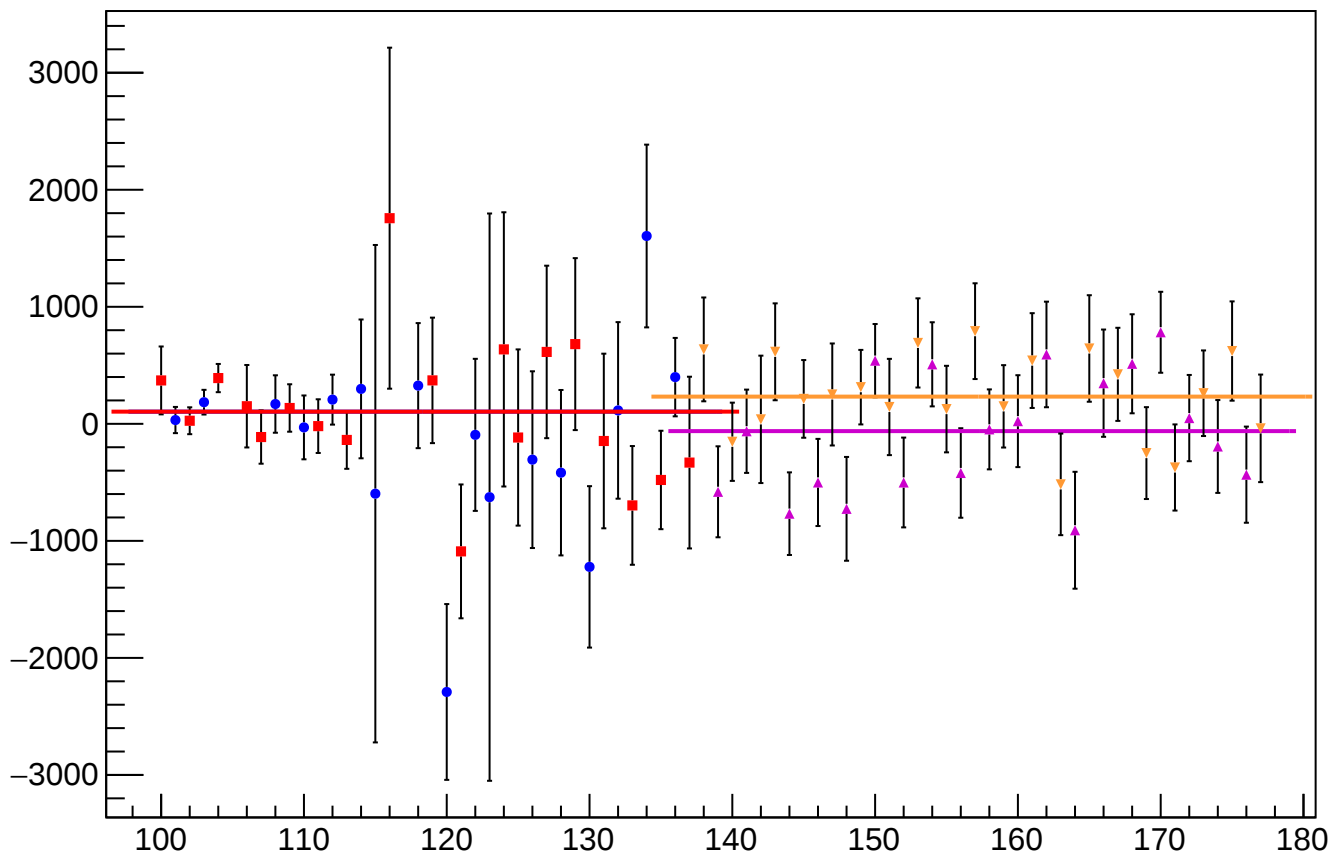
Right: 104.588+/-0.026 χ^2/NDF : 10944761.2/35

In: 158.141+/-0.031 χ^2/NDF : 16764700.2/35

Out: 175.428+/-0.032 χ^2/NDF : 15065824.5/39

All: 166.639+/-0.022 χ^2/NDF : 31980369.6/75

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 232.561 $\pm$ 85.808 χ^2 /NDF:16.7/20

Right Out: 104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

Left In: -62.225 $\pm$ 88.130 χ^2 /NDF:32.5/18

Left: 89.101 $\pm$ 61.480 χ^2 /NDF: 55.0/39

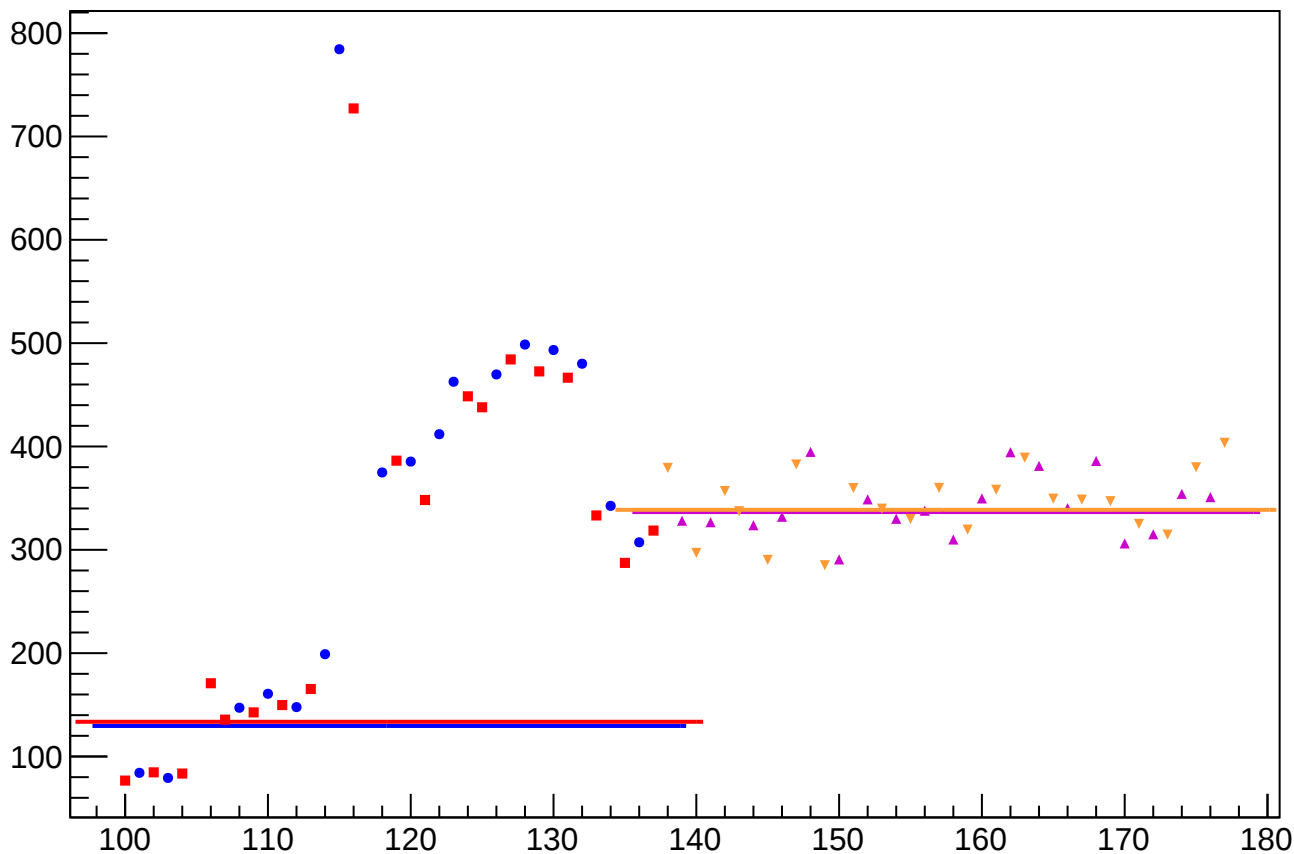
Right: 104.073 $\pm$ 43.823 χ^2 /NDF: 42.6/35

In: 47.600 $\pm$ 51.335 χ^2 /NDF:56.1/35

Out: 147.117 $\pm$ 49.640 χ^2 /NDF:39.6/39

All: 99.029 $\pm$ 35.685 χ^2 /NDF: 97.6/75

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 338.707 $\pm$ 0.061 χ^2 /NDF: 292348.6/20

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

Left In: 336.569 $\pm$ 0.062 χ^2 /NDF: 204921.5/18

Left: 337.667 $\pm$ 0.043 χ^2 /NDF: 497874.1/39

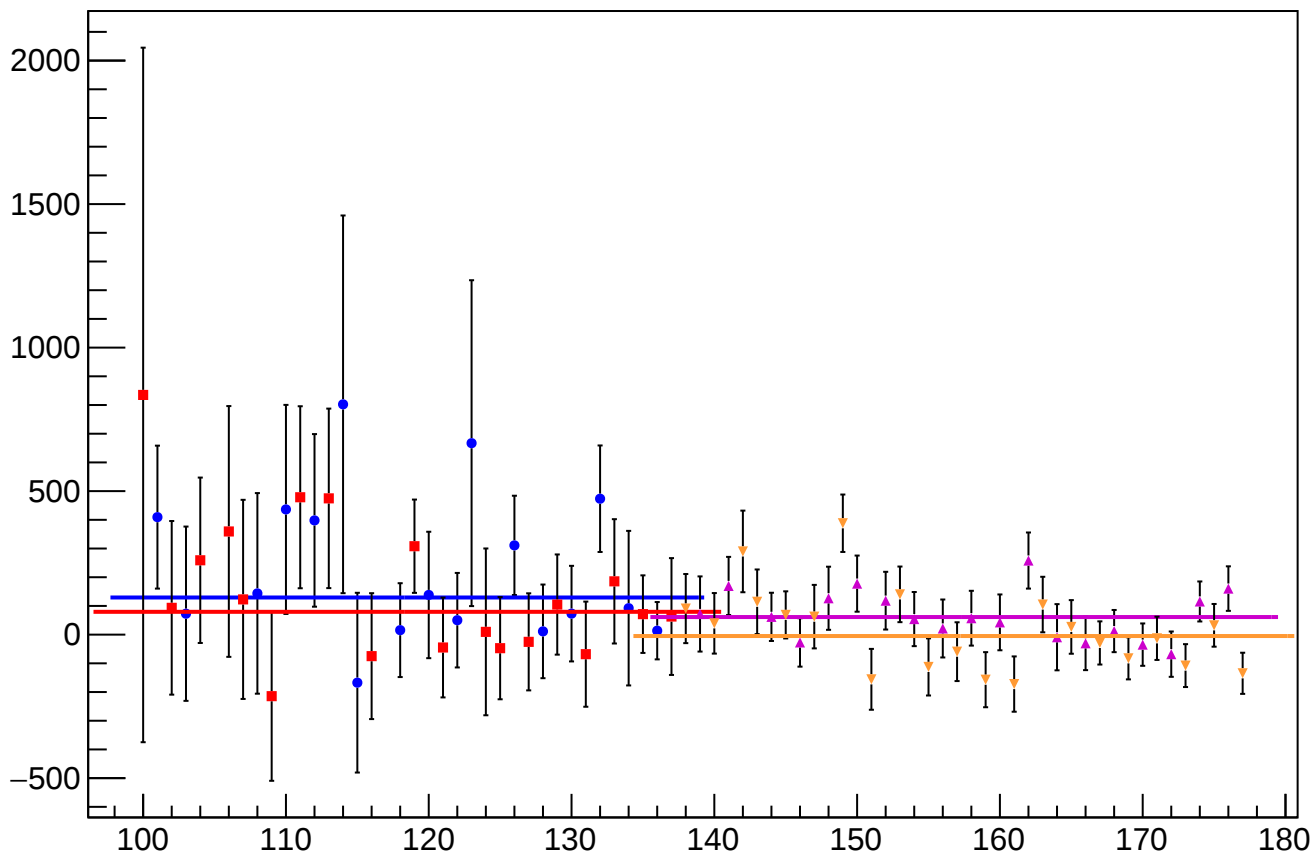
Right: 131.647 $\pm$ 0.031 χ^2 /NDF: 9142947.8/35

In: 199.794 $\pm$ 0.036 χ^2 /NDF: 12268616.6/35

Out: 202.236 $\pm$ 0.035 χ^2 /NDF: 12261964.6/39

All: 201.056 $\pm$ 0.025 χ^2 /NDF: 24532920.8/75

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: -4.872 $\pm$ 19.841 χ^2 /NDF:42.2/20

Right Out: 79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

Left In: 61.284 $\pm$ 20.646 χ^2 /NDF:17.0/18

Left: 26.890 $\pm$ 14.306 χ^2 /NDF: 64.5/39

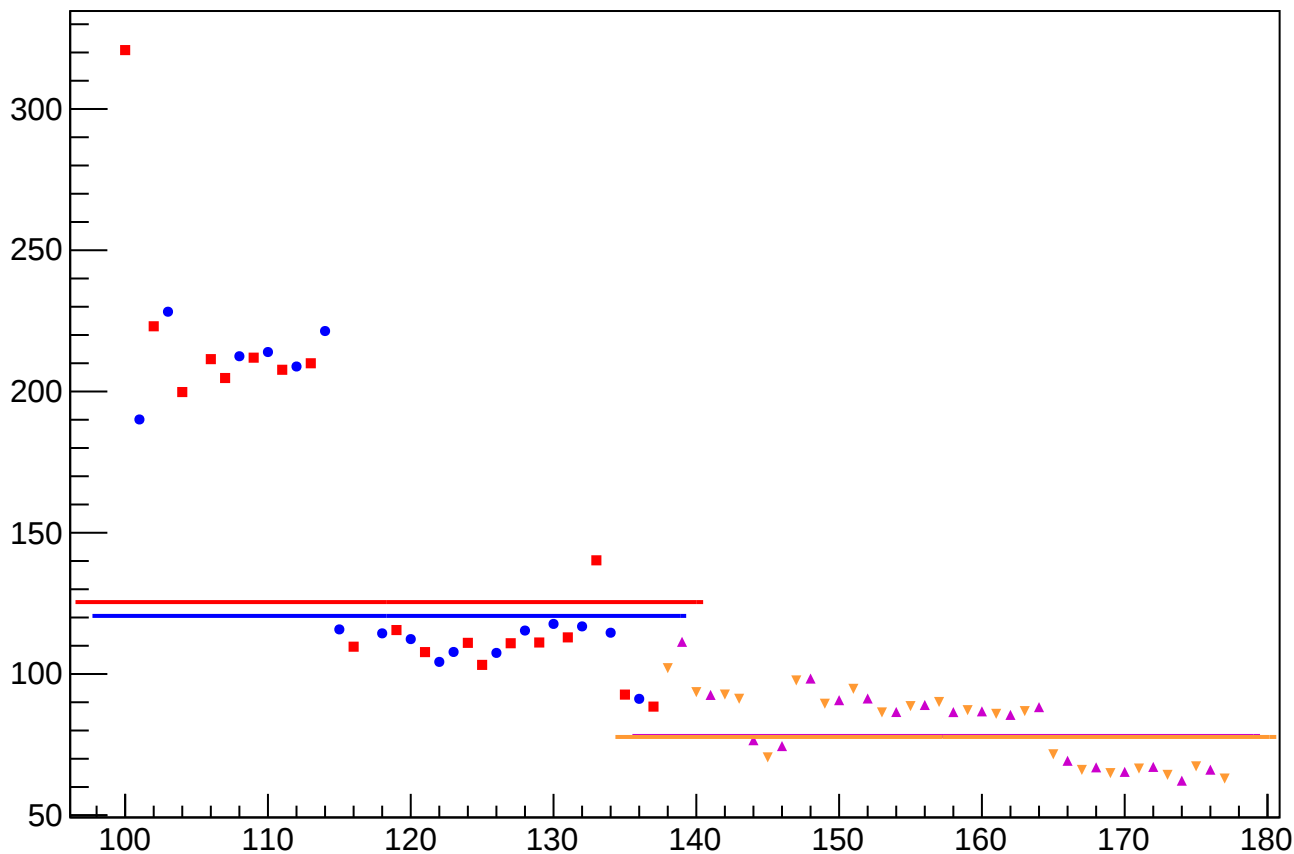
Right: 104.826 $\pm$ 35.001 χ^2 /NDF: 23.7/35

In: 71.510 $\pm$ 19.033 χ^2 /NDF:31.5/35

Out: 6.649 $\pm$ 18.436 χ^2 /NDF:54.9/39

All: 38.045 $\pm$ 13.242 χ^2 /NDF: 92.4/75

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: 77.715 $\pm$ 0.014 χ^2 /NDF: 809192.4/20

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

Left In: 78.071 $\pm$ 0.015 χ^2 /NDF: 721968.0/18

Left: 77.886 $\pm$ 0.010 χ^2 /NDF: 1531468.7/39

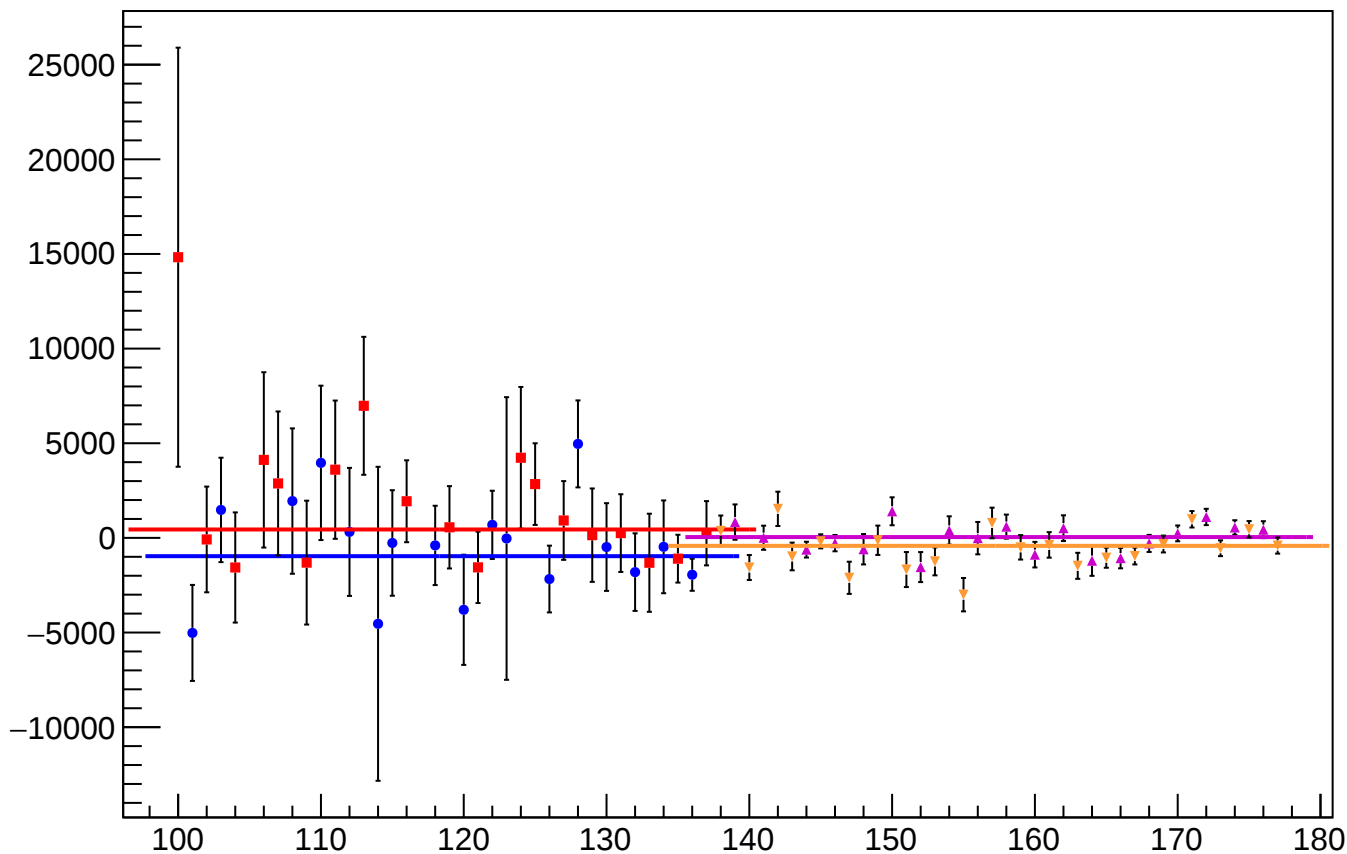
Right: 122.974 $\pm$ 0.025 χ^2 /NDF: 2455600.4/35

In: 84.451 $\pm$ 0.013 χ^2 /NDF: 3106072.3/35

Out: 84.236 $\pm$ 0.013 χ^2 /NDF: 3724645.2/39

All: 84.340 $\pm$ 0.009 χ^2 /NDF: 6830849.0/75

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -420.342+/-123.767 χ^2/NDF : 47.4/20

Right Out: 444.406+/-545.370 χ^2/NDF : 13.4/18

Left In: 42.909+/-126.450 χ^2/NDF : 31.2/18

Left: -193.685+/-88.450 χ^2/NDF : 85.5/39

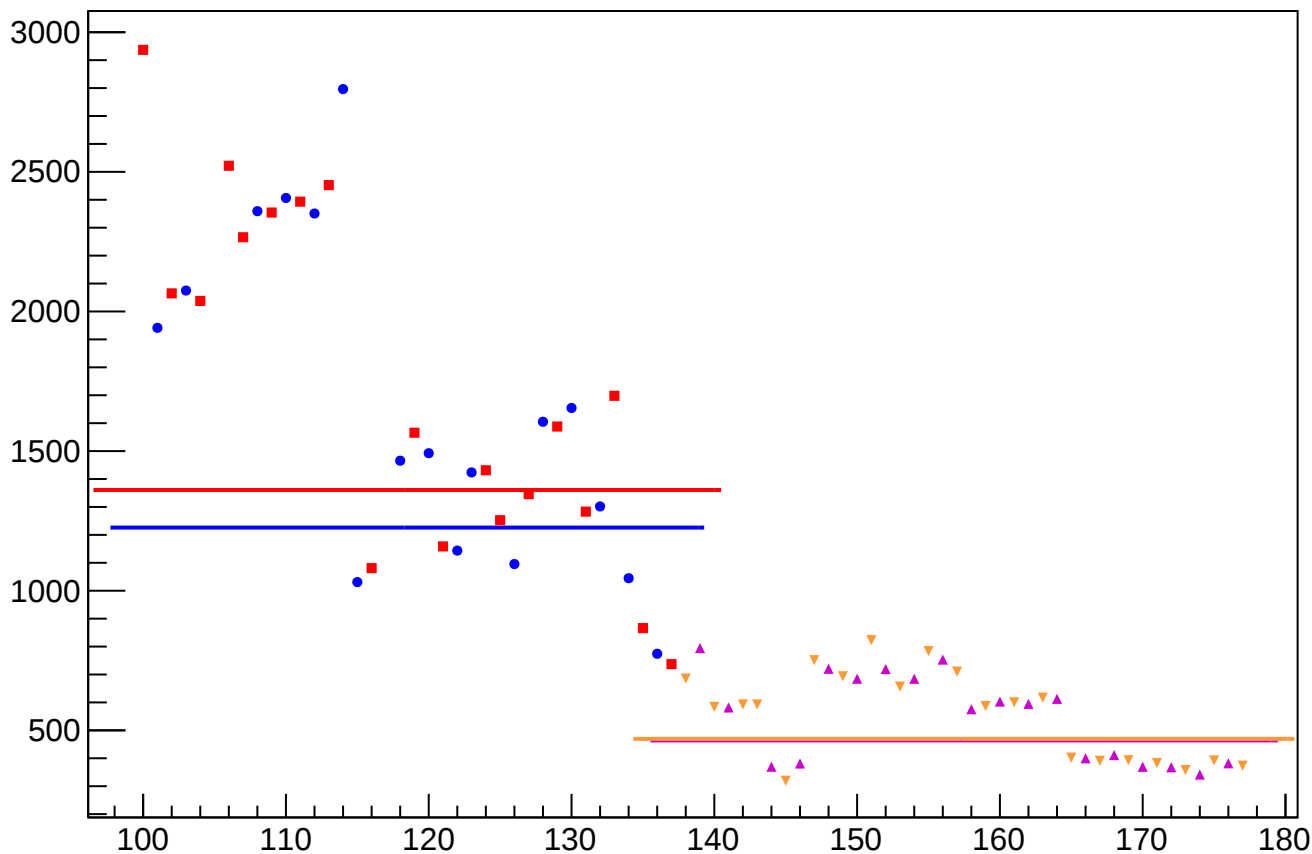
Right: -305.110+/-373.410 χ^2/NDF : 33.3/35

In: -15.054+/-122.766 χ^2/NDF : 51.3/35

Out: -377.987+/-120.697 χ^2/NDF : 63.2/39

All: -199.604+/-86.068 χ^2/NDF : 118.9/75

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 469.494+/-0.088 χ^2/NDF : 2636685.9/20

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

Left In: 463.944+/-0.089 χ^2/NDF : 2307948.0/18

Left: 466.778+/-0.063 χ^2/NDF : 4946602.0/39

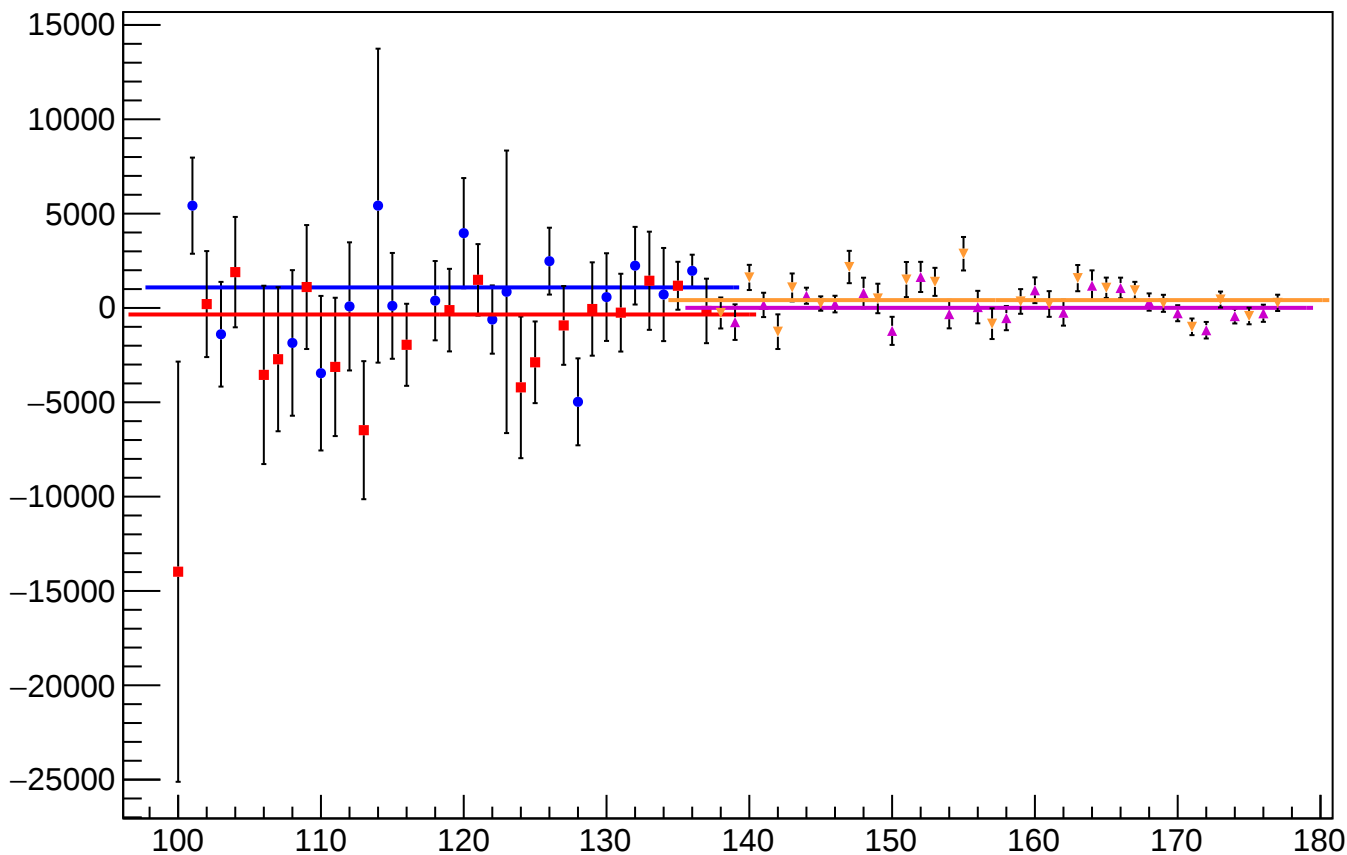
Right: 1289.252+/-0.264 χ^2/NDF : 3570145.2/35

In: 507.706+/-0.087 χ^2/NDF : 8236429.3/35

Out: 513.148+/-0.085 χ^2/NDF : 9465731.7/39

All: 510.474+/-0.061 χ^2/NDF : 17704159.3/75

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 415.495+/-125.550 χ^2/NDF : 45.5/20

Right Out: -345.640+/-548.191 χ^2/NDF : 12.5/18

Left In: 5.806+/-128.353 χ^2/NDF : 29.6/18

Left: 215.173+/-89.752 χ^2/NDF : 80.3/39

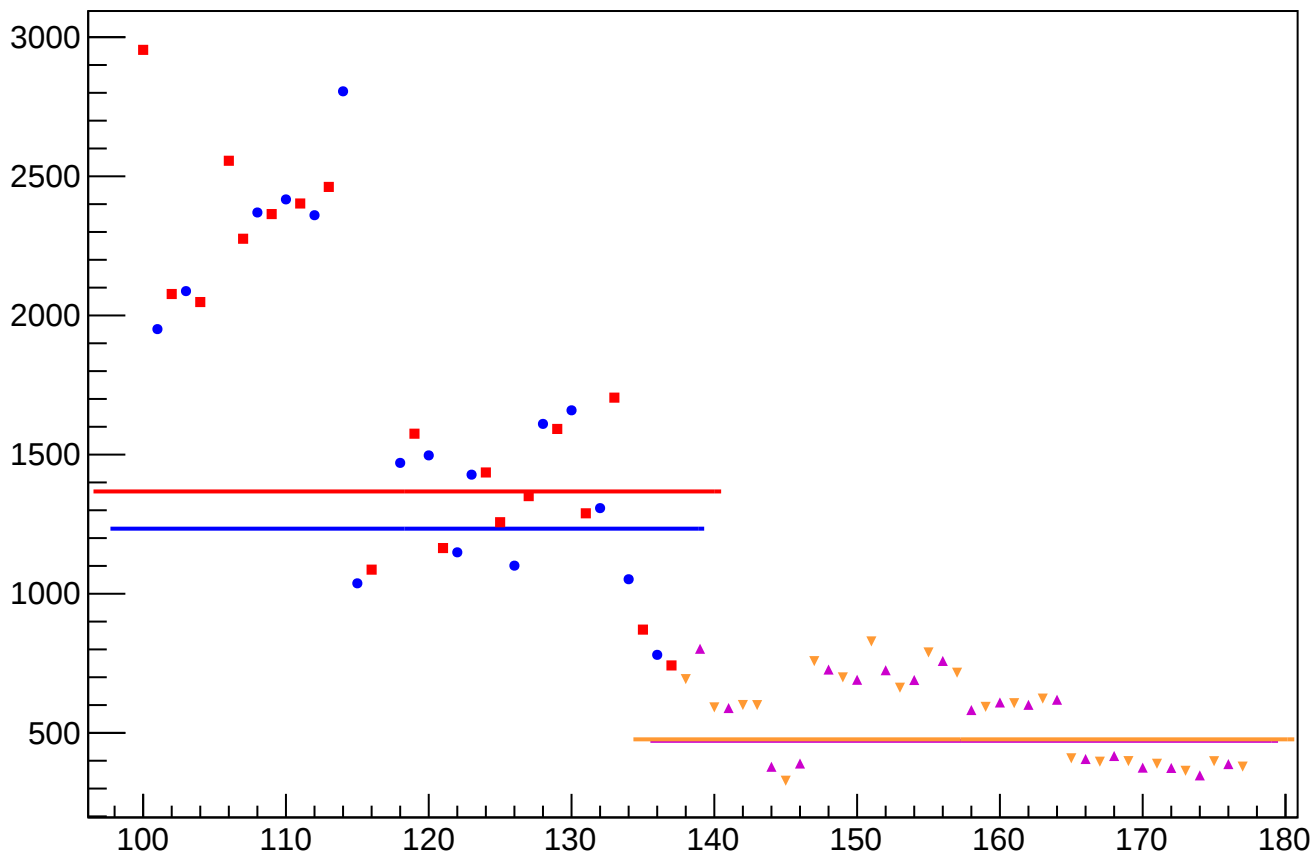
Right: 416.082+/-375.451 χ^2/NDF : 33.1/35

In: 69.095+/-124.547 χ^2/NDF : 50.7/35

Out: 377.561+/-122.381 χ^2/NDF : 59.8/39

All: 226.034+/-87.292 χ^2/NDF : 113.7/75

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 476.842+/-0.089 χ^2/NDF : 2571035.4/20

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

Left In: 471.480+/-0.091 χ^2/NDF : 2250747.2/18

Left: 474.220+/-0.063 χ^2/NDF : 4823566.4/39

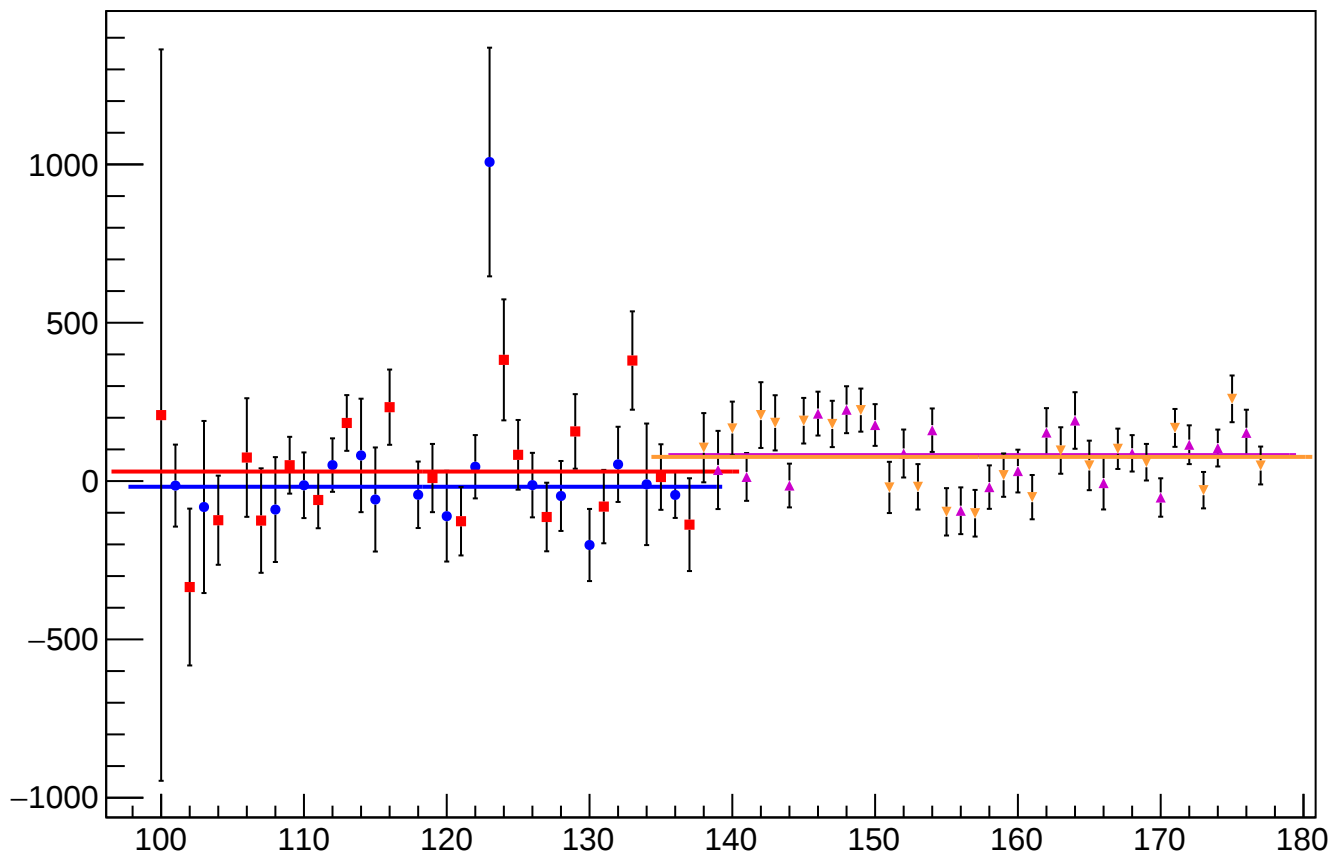
Right: 1296.600+/-0.265 χ^2/NDF : 3551849.9/35

In: 516.022+/-0.088 χ^2/NDF : 8117269.0/35

Out: 521.237+/-0.087 χ^2/NDF : 9333176.6/39

All: 518.675+/-0.062 χ^2/NDF : 17452229.4/75

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 76.372 ± 15.594 χ^2/NDF : 44.5/20

Right Out: 30.070 ± 27.976 χ^2/NDF : 27.4/18

Left In: 81.924 ± 16.149 χ^2/NDF : 31.7/18

Left: 79.050 ± 11.218 χ^2/NDF : 76.3/39

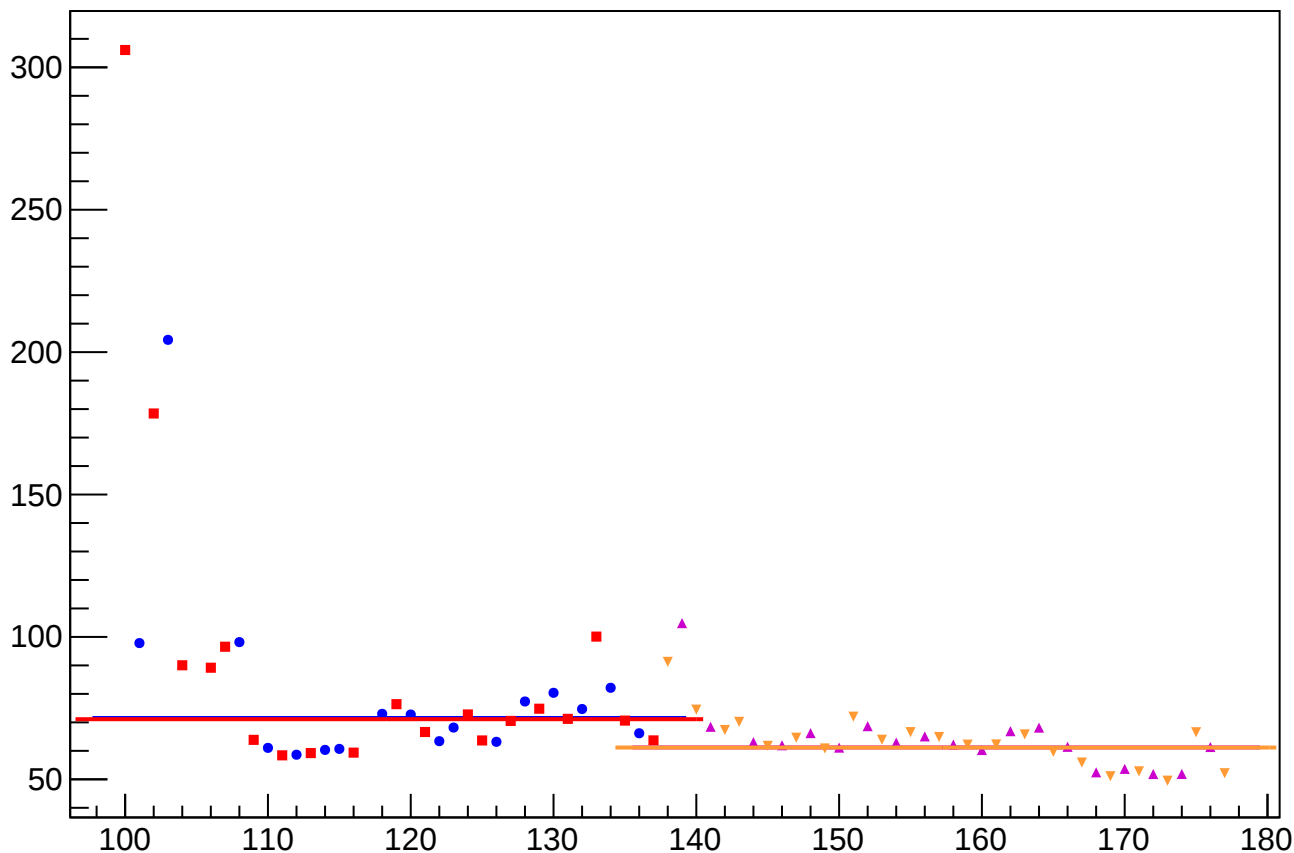
Right: 6.786 ± 20.083 χ^2/NDF : 42.2/35

In: 58.087 ± 14.092 χ^2/NDF : 54.3/35

Out: 65.396 ± 13.621 χ^2/NDF : 74.0/39

All: 61.866 ± 9.794 χ^2/NDF : 128.4/75

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 61.162+/-0.011 χ^2/NDF : 549626.5/20

Right Out: 71.115+/-0.020 χ^2/NDF : 765159.2/18

Left In: 61.190+/-0.011 χ^2/NDF : 503825.7/18

Left: 61.176+/-0.008 χ^2/NDF : 1053455.3/39

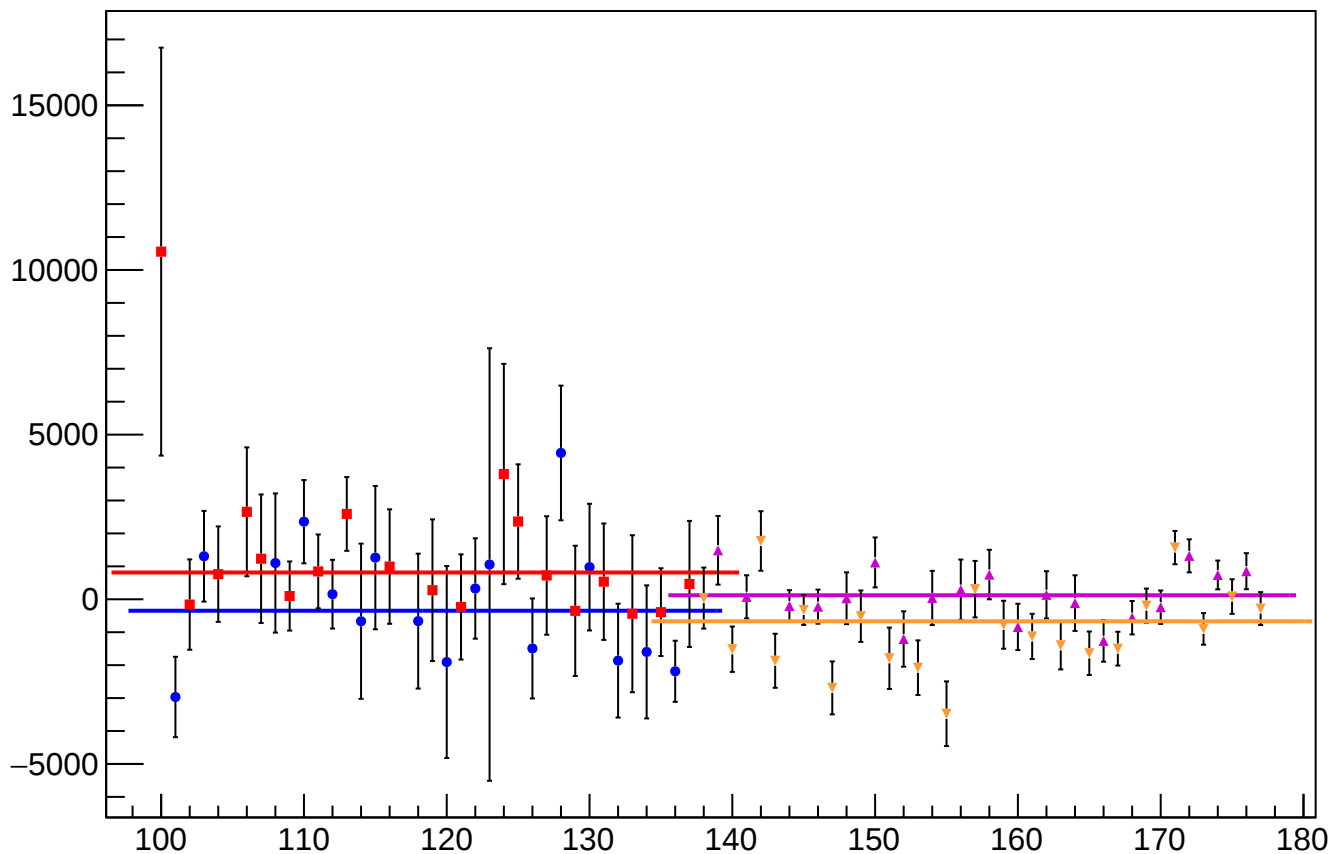
Right: 71.319+/-0.014 χ^2/NDF : 1524340.2/35

In: 63.659+/-0.010 χ^2/NDF : 1458627.6/35

Out: 63.521+/-0.010 χ^2/NDF : 1507906.3/39

All: 63.588+/-0.007 χ^2/NDF : 2966632.4/75

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -668.294+/-140.500 χ^2/NDF : 61.8/20

Right Out: 814.154+/-369.807 χ^2/NDF : 10.5/18

Left In: 122.484+/-143.239 χ^2/NDF : 26.1/18

Left: -280.538+/-100.303 χ^2/NDF : 103.4/39

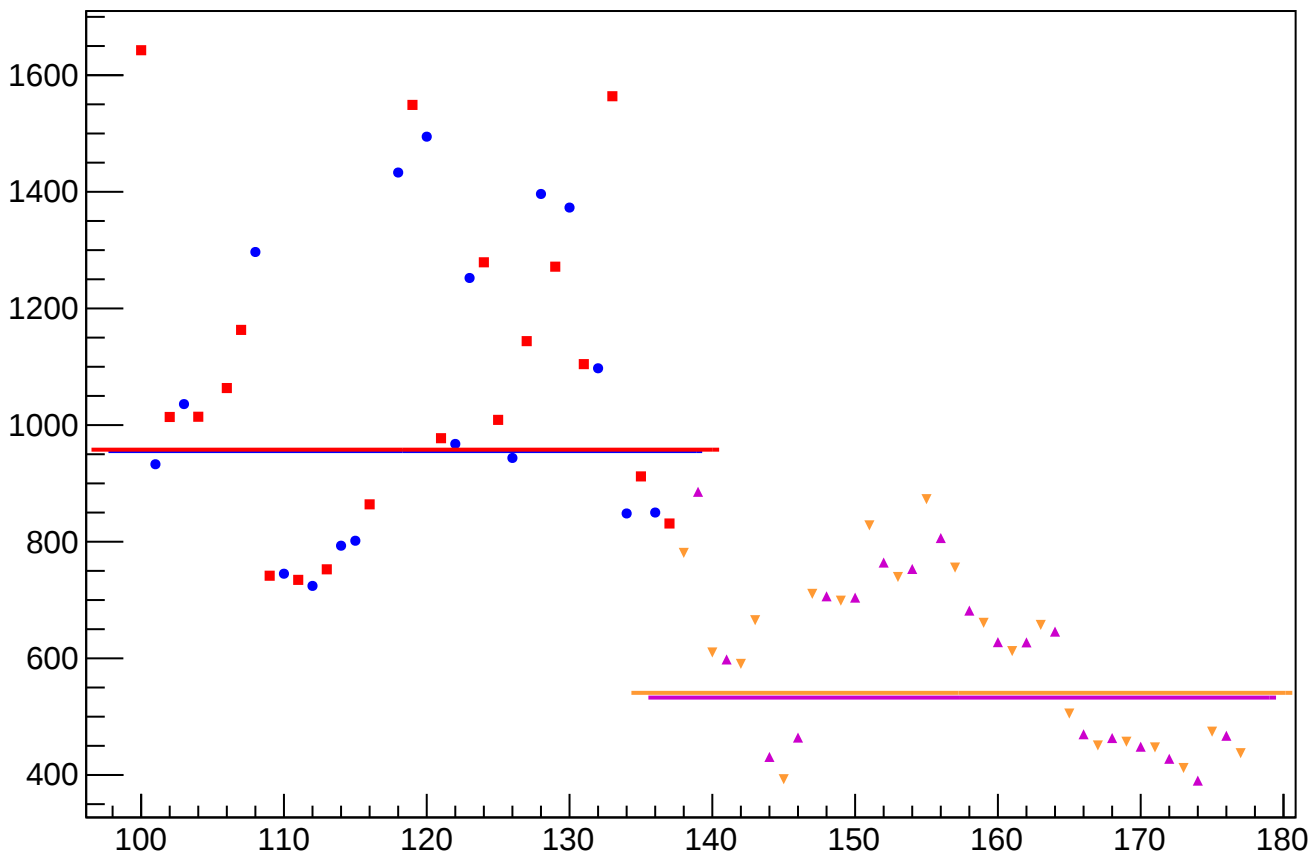
Right: 251.940+/-265.697 χ^2/NDF : 39.3/35

In: 64.492+/-134.120 χ^2/NDF : 51.5/35

Out: -481.300+/-131.341 χ^2/NDF : 86.3/39

All: -214.118+/-93.839 χ^2/NDF : 146.3/75

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 540.862+/-0.099 χ^2/NDF : 1829021.8/20

Right Out: 957.849+/-0.261 χ^2/NDF : 693081.8/18

Left In: 532.723+/-0.101 χ^2/NDF : 1674943.8/18

Left: 536.871+/-0.071 χ^2/NDF : 3507256.6/39

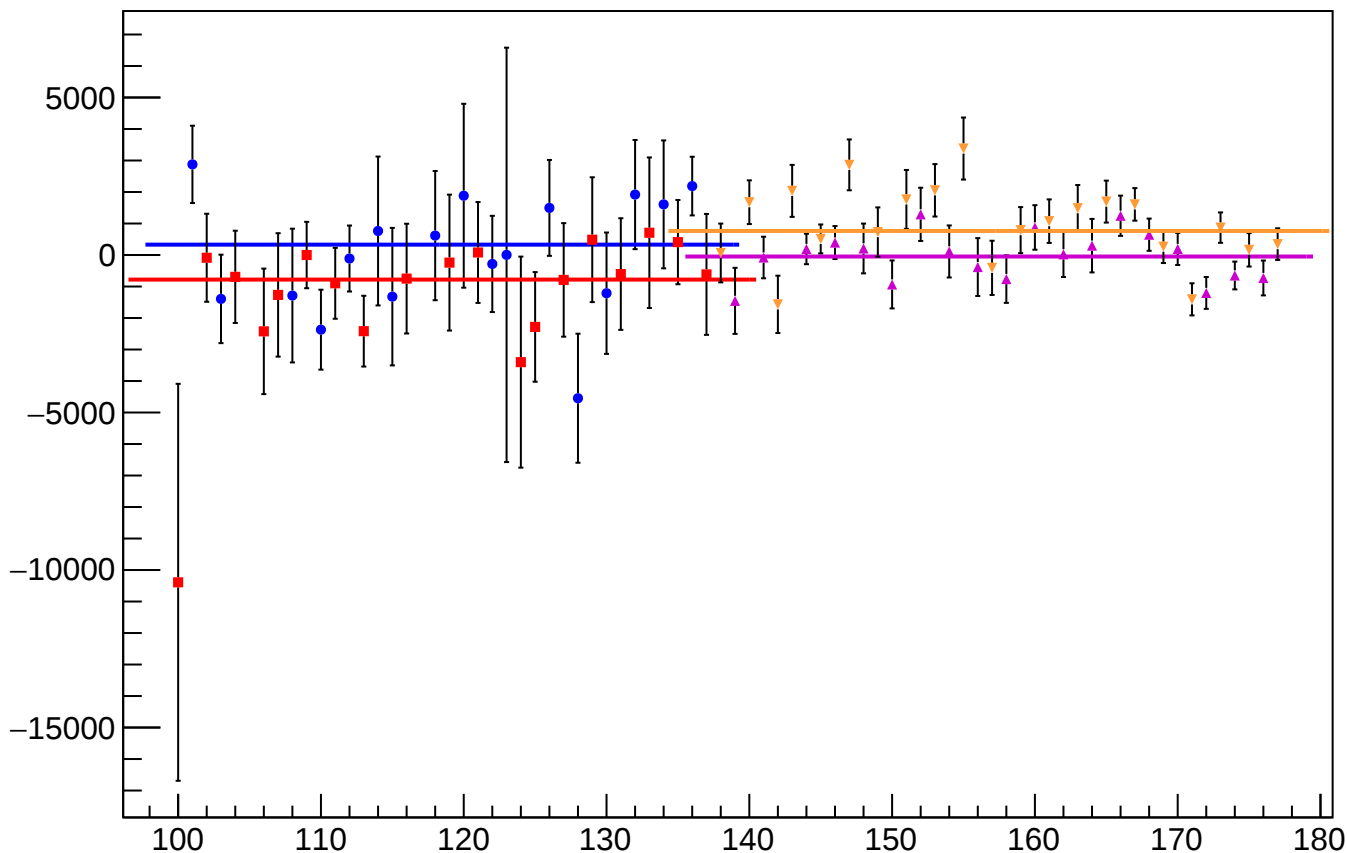
Right: 956.676+/-0.188 χ^2/NDF : 1339635.8/35

In: 584.832+/-0.095 χ^2/NDF : 4468545.5/35

Out: 593.460+/-0.093 χ^2/NDF : 4744214.9/39

All: 589.236+/-0.066 χ^2/NDF : 9216985.9/75

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 763.559 ± 141.499 χ^2/NDF : 57.6/20

Right Out: -779.623 ± 371.673 χ^2/NDF : 9.3/18

Left In: -48.052 ± 144.297 χ^2/NDF : 24.5/18

Left: 365.697 ± 101.030 χ^2/NDF : 98.2/39

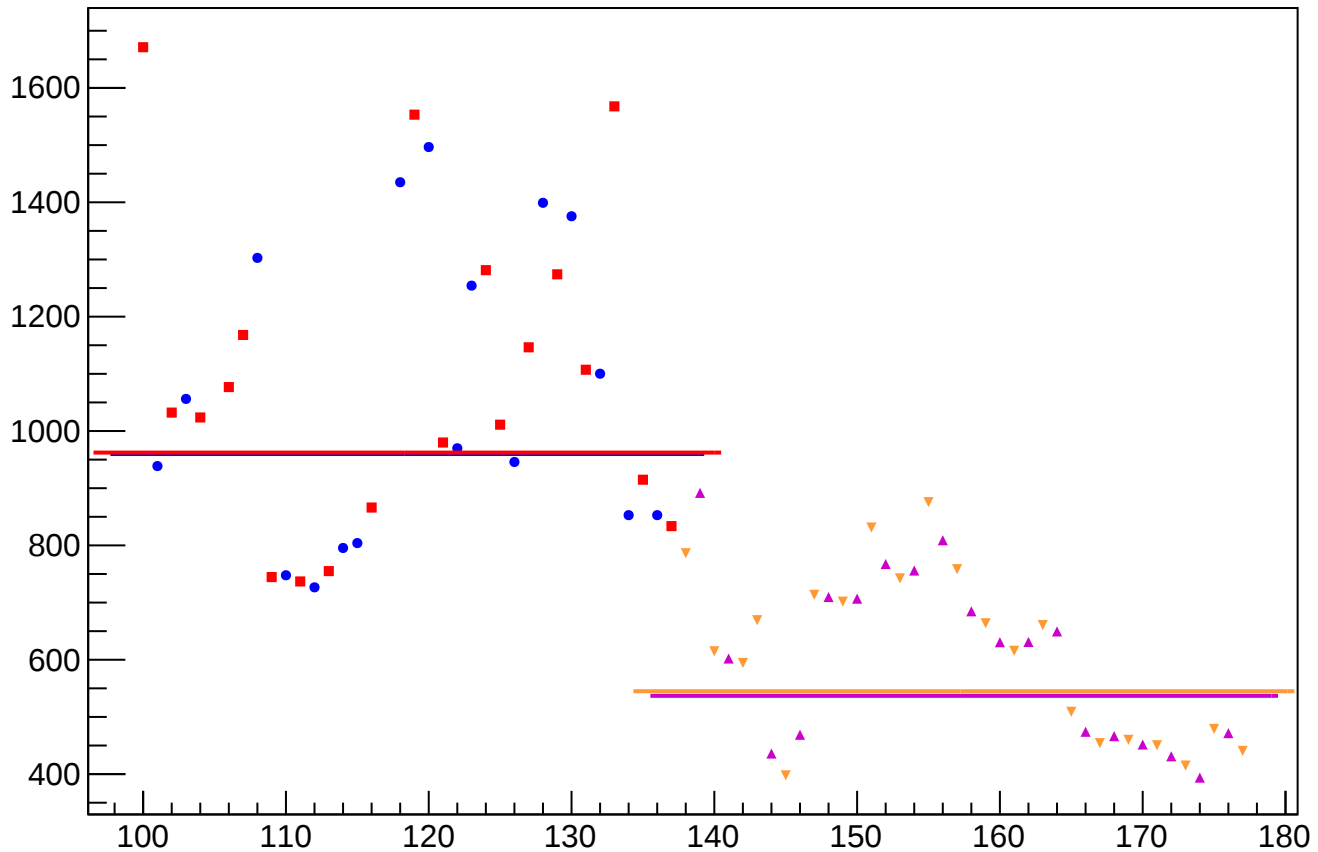
Right: -242.920 ± 266.973 χ^2/NDF : 37.9/35

In: -1.320 ± 135.063 χ^2/NDF : 49.6/35

Out: 568.206 ± 132.240 χ^2/NDF : 82.0/39

All: 289.457 ± 94.490 χ^2/NDF : 140.7/75

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 544.951 $\pm$ 0.100 χ^2 /NDF:1801663.6/20

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

Left In: 536.911 $\pm$ 0.102 χ^2 /NDF:1649736.4/18

Left: 541.010 $\pm$ 0.071 χ^2 /NDF: 3454565.5/39

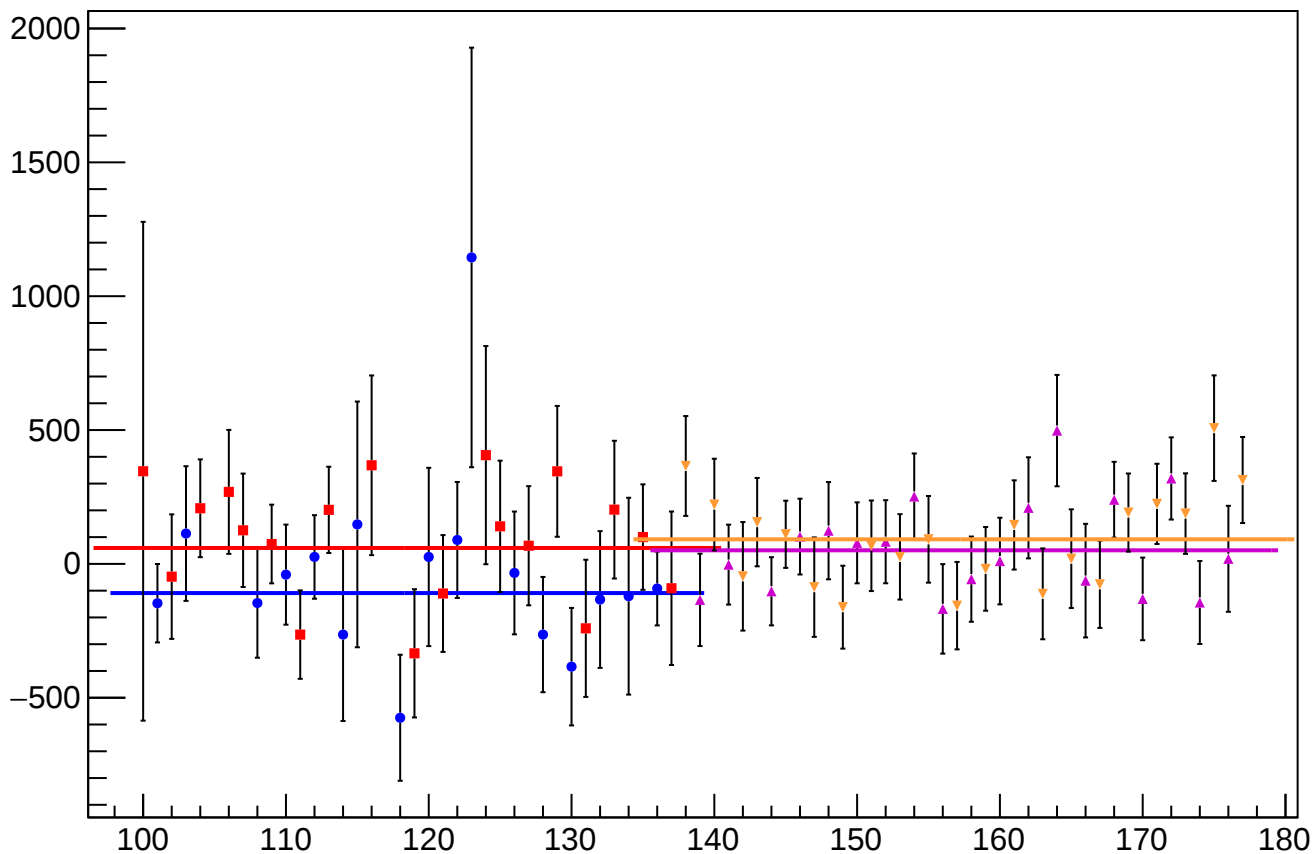
Right: 961.083 $\pm$ 0.189 χ^2 /NDF: 1342530.4/35

In: 589.298 $\pm$ 0.096 χ^2 /NDF:4424284.2/35

Out: 597.786 $\pm$ 0.094 χ^2 /NDF:4700109.9/39

All: 593.631 $\pm$ 0.067 χ^2 /NDF: 9128426.8/75

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 $\chi^2/\text{NDF}: 12.0/16$

Left Out: 91.829 ± 35.650 $\chi^2/\text{NDF}: 20.7/20$

Right Out: 59.475 ± 50.822 $\chi^2/\text{NDF}: 14.9/18$

Left In: 50.729 ± 36.946 $\chi^2/\text{NDF}: 20.3/18$

Left: 72.012 ± 25.654 $\chi^2/\text{NDF}: 41.7/39$

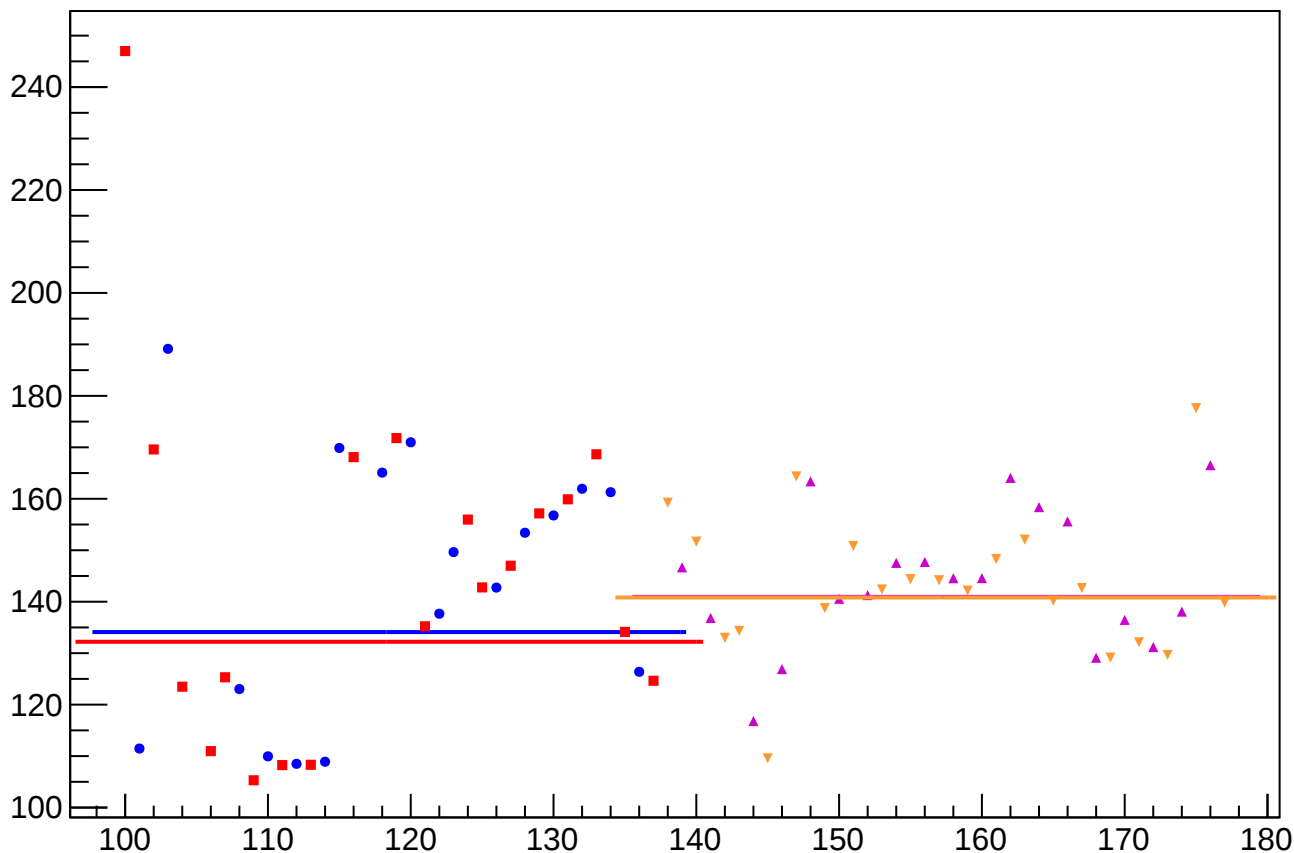
Right: -21.341 ± 36.657 $\chi^2/\text{NDF}: 32.2/35$

In: -1.602 ± 30.294 $\chi^2/\text{NDF}: 38.5/35$

Out: 81.159 ± 29.186 $\chi^2/\text{NDF}: 35.9/39$

All: 41.321 ± 21.018 $\chi^2/\text{NDF}: 78.2/75$

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 140.818 $\pm$ 0.025 χ^2 /NDF:312748.1/20

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

Left In: 140.943 $\pm$ 0.026 χ^2 /NDF:245841.9/18

Left: 140.878 $\pm$ 0.018 χ^2 /NDF: 558601.8/39

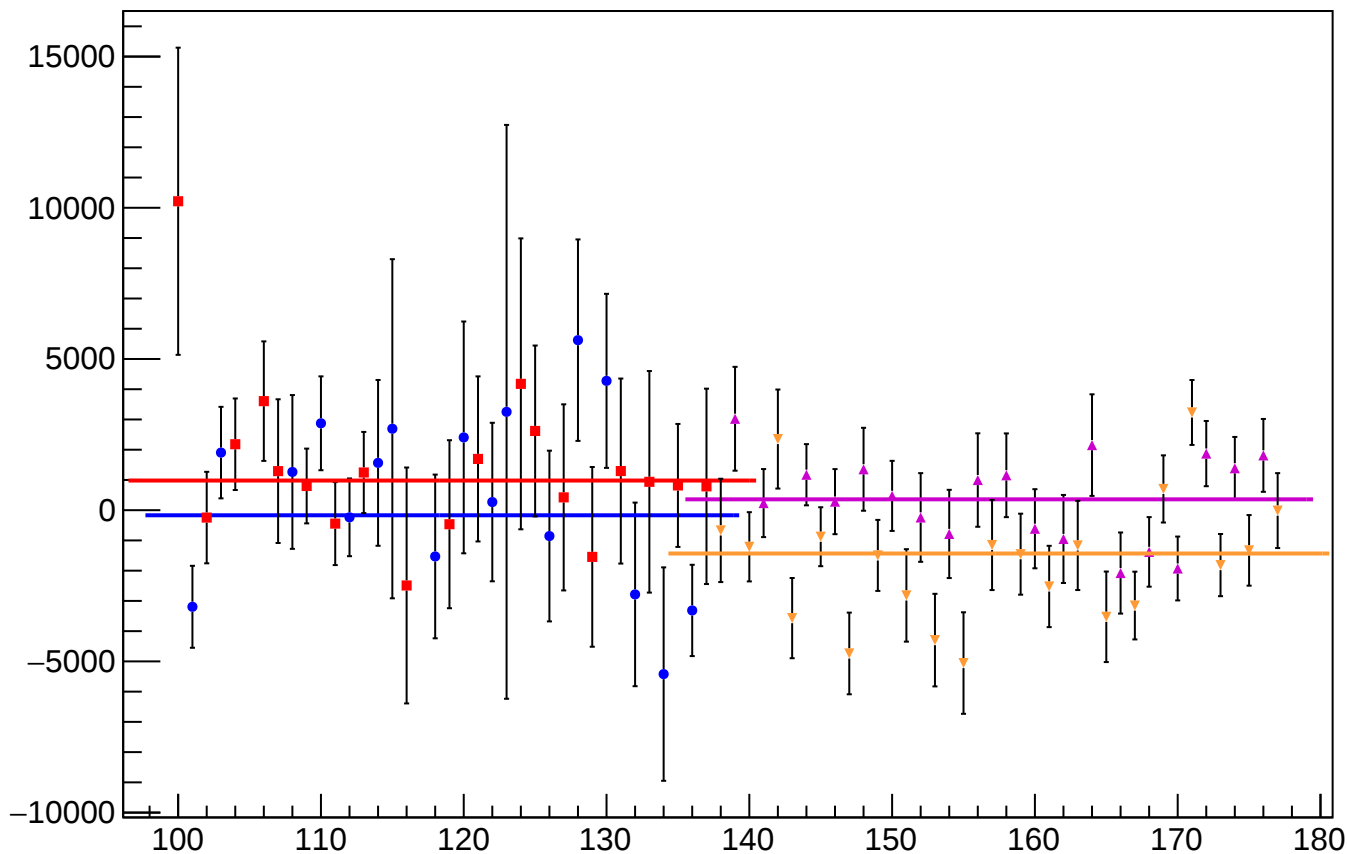
Right: 133.123 $\pm$ 0.026 χ^2 /NDF: 845638.9/35

In: 138.702 $\pm$ 0.021 χ^2 /NDF:670881.0/35

Out: 137.982 $\pm$ 0.021 χ^2 /NDF:792859.9/39

All: 138.328 $\pm$ 0.015 χ^2 /NDF: 1464326.3/75

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: -1432.356 ± 278.876 $\chi^2/\text{NDF}: 52.6/20$

Right Out: 980.517 ± 480.968 $\chi^2/\text{NDF}: 10.2/18$

Left In: 359.061 ± 286.043 $\chi^2/\text{NDF}: 22.1/18$

Left: -559.371 ± 199.681 $\chi^2/\text{NDF}: 94.7/39$

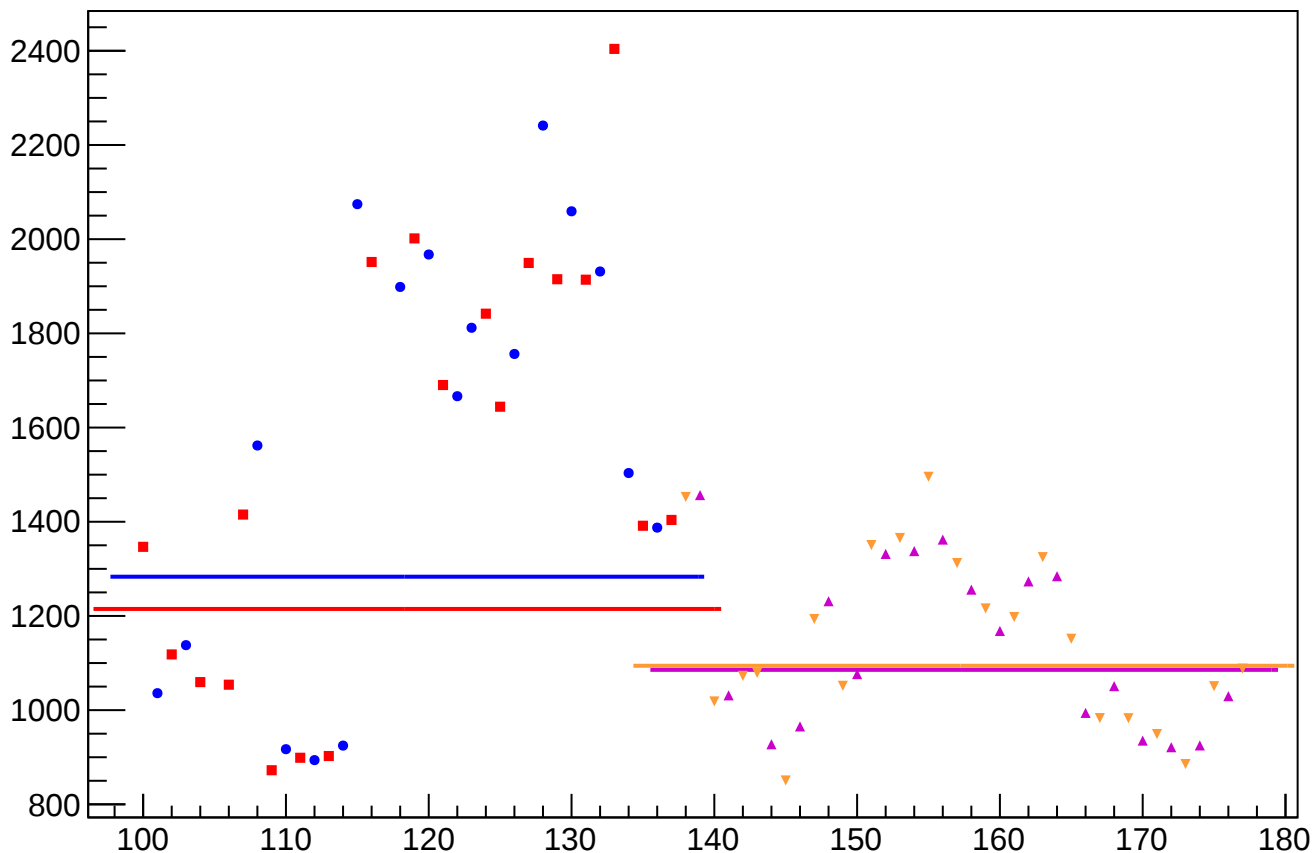
Right: 454.882 ± 354.232 $\chi^2/\text{NDF}: 38.1/35$

In: 237.889 ± 251.035 $\chi^2/\text{NDF}: 48.2/35$

Out: -825.263 ± 241.255 $\chi^2/\text{NDF}: 81.6/39$

All: -314.799 ± 173.948 $\chi^2/\text{NDF}: 139.1/75$

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1094.253 $\pm$ 0.197 χ^2 /NDF: 753500.6/20

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

Left In: 1085.559 $\pm$ 0.202 χ^2 /NDF: 624470.0/18

Left: 1090.016 $\pm$ 0.141 χ^2 /NDF: 1378917.8/39

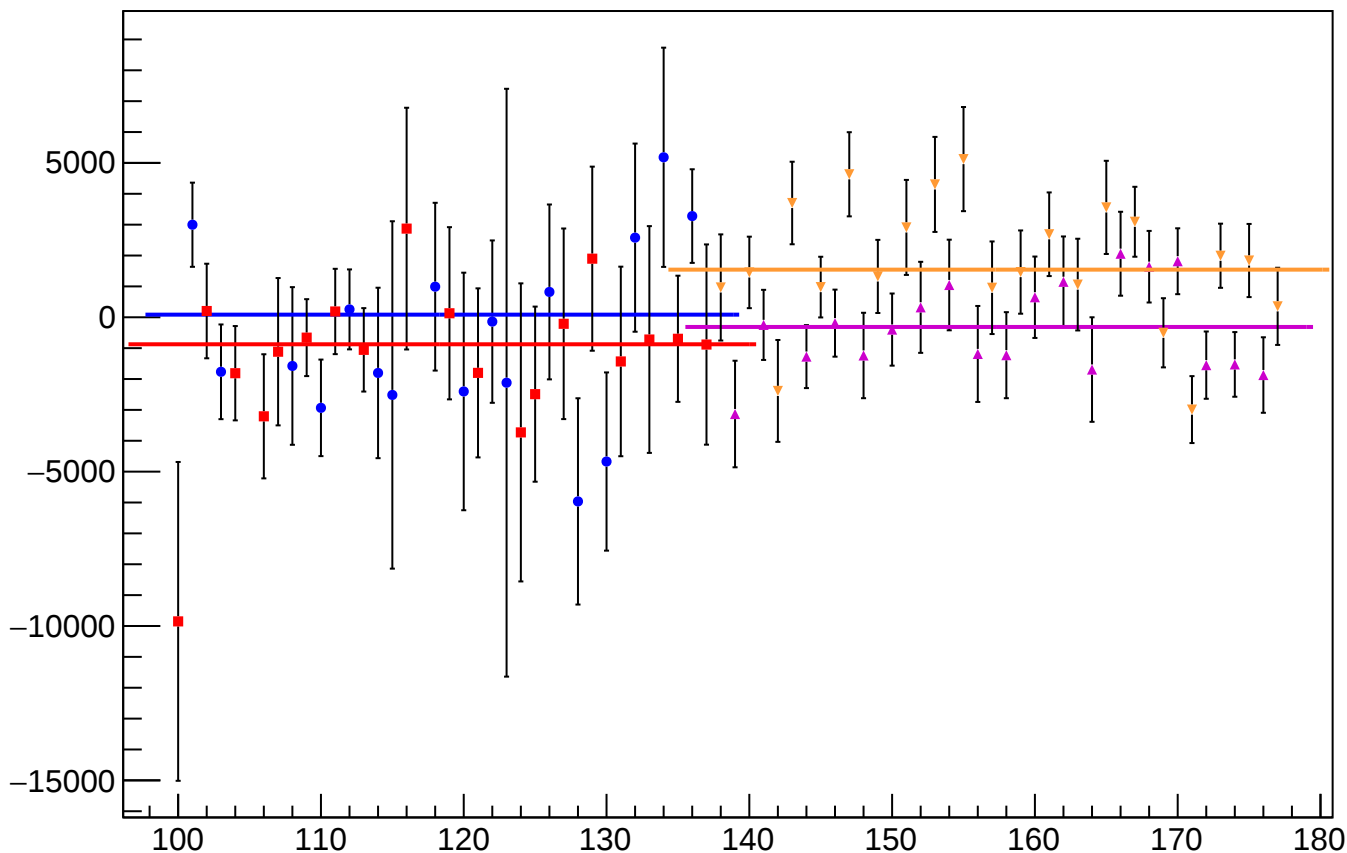
Right: 1246.197 $\pm$ 0.250 χ^2 /NDF: 2548819.1/35

In: 1131.004 $\pm$ 0.178 χ^2 /NDF: 2013579.9/35

Out: 1124.604 $\pm$ 0.171 χ^2 /NDF: 2208515.2/39

All: 1127.677 $\pm$ 0.123 χ^2 /NDF: 4222770.8/75

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1542.852+/-281.363 χ^2/NDF : 49.0/20

Right Out: -874.592+/-484.647 χ^2/NDF : 8.7/18

Left In: -313.661+/-288.642 χ^2/NDF : 22.1/18

Left: 638.300+/-201.478 χ^2/NDF : 92.4/39

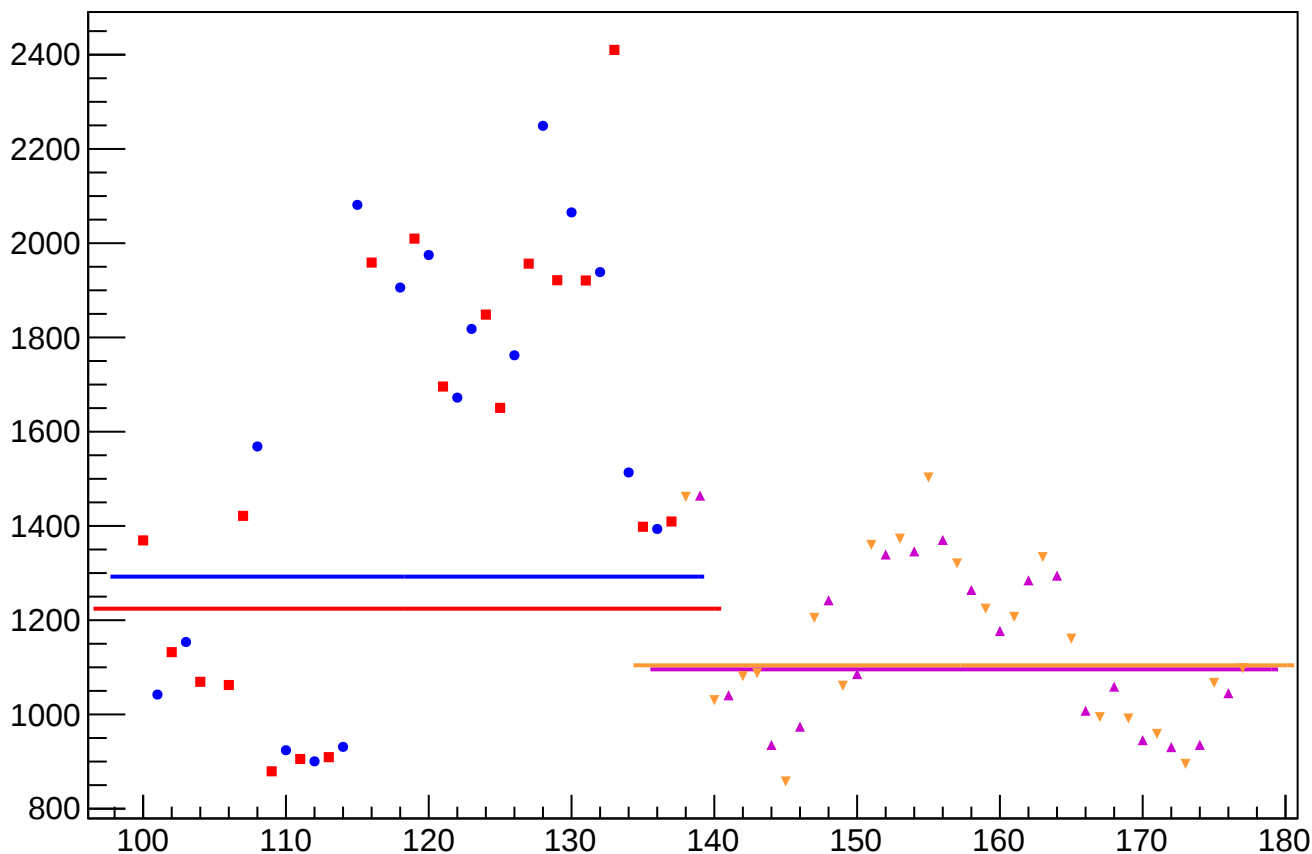
Right: -434.939+/-356.757 χ^2/NDF : 35.2/35

In: -221.670+/-253.166 χ^2/NDF : 47.2/35

Out: 933.464+/-243.329 χ^2/NDF : 76.3/39

All: 378.775+/-175.434 χ^2/NDF : 134.4/75

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1104.300 $\pm$ 0.199 χ^2 /NDF: 740373.5/20

Right Out: 1224.429 $\pm$ 0.343 χ^2 /NDF: 1345748.2/18

Left In: 1095.687 $\pm$ 0.204 χ^2 /NDF: 612106.2/18

Left: 1100.103 $\pm$ 0.142 χ^2 /NDF: 1353393.0/39

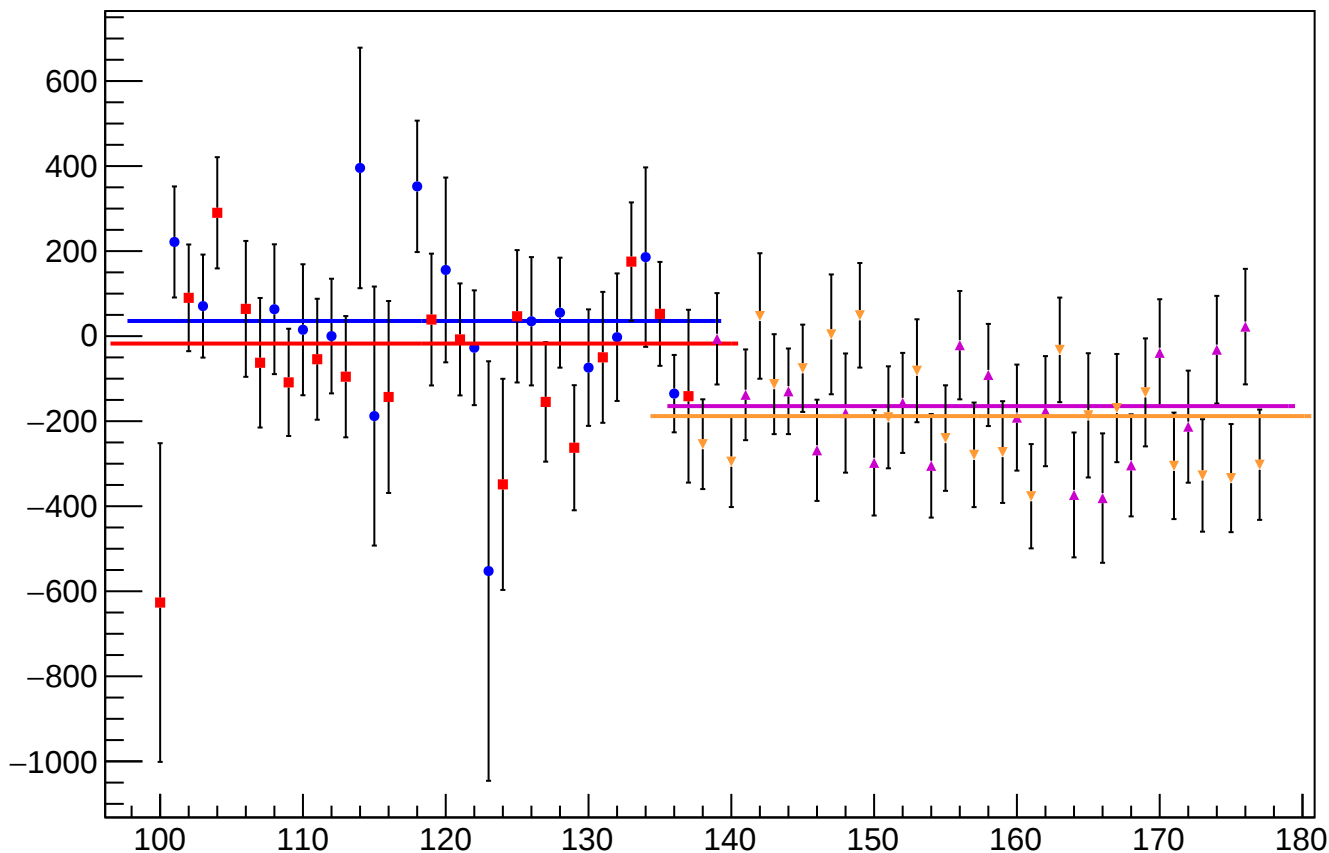
Right: 1255.580 $\pm$ 0.252 χ^2 /NDF: 2520360.3/35

In: 1141.075 $\pm$ 0.179 χ^2 /NDF: 1983044.3/35

Out: 1134.582 $\pm$ 0.172 χ^2 /NDF: 2178025.4/39

All: 1137.700 $\pm$ 0.124 χ^2 /NDF: 4161753.5/75

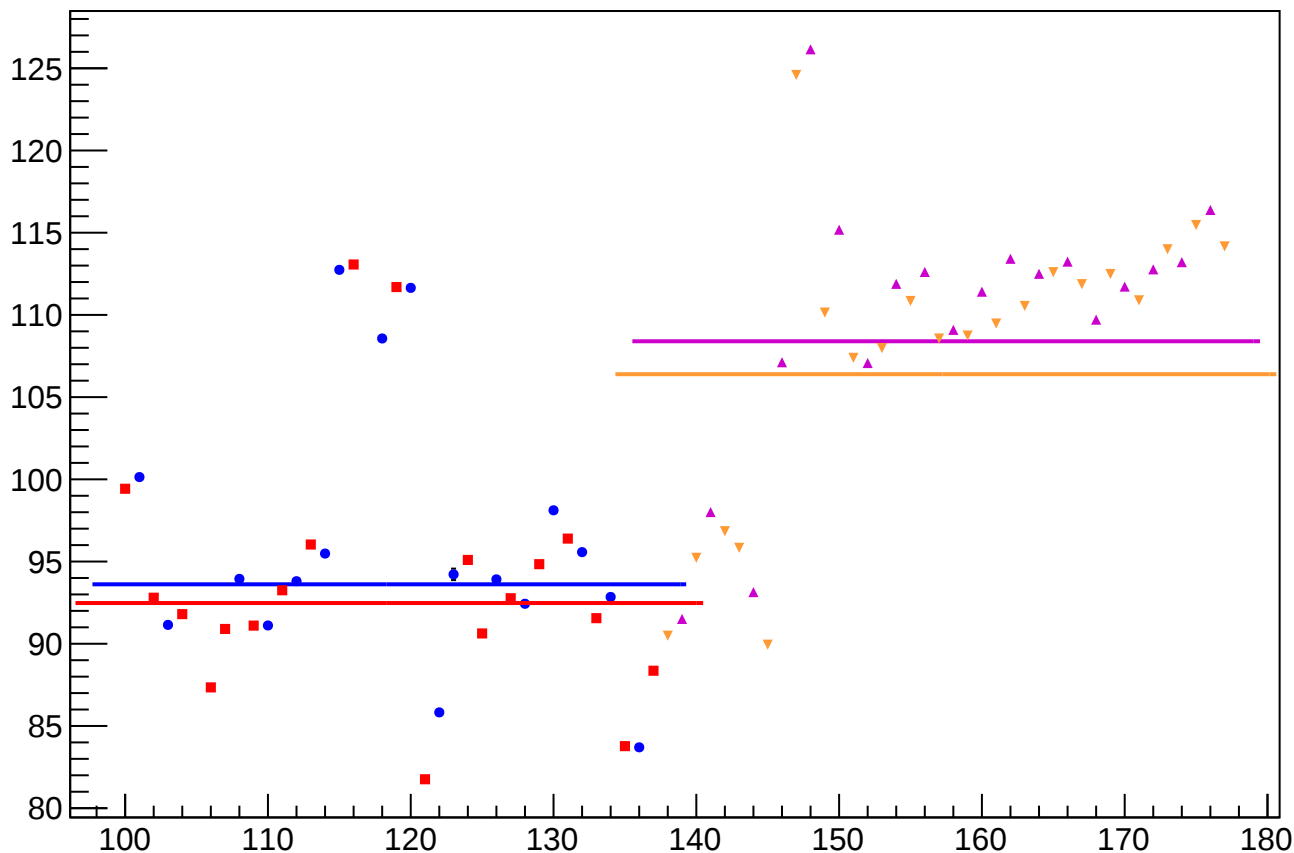
reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$
 Left Out: -188.070 ± 26.809 $\chi^2/\text{NDF}: 21.4/20$
 Right Out: -17.418 ± 34.691 $\chi^2/\text{NDF}: 18.9/18$
 Left In: -164.564 ± 28.278 $\chi^2/\text{NDF}: 16.8/18$

Left: -176.944 ± 19.455 $\chi^2/\text{NDF}: 38.6/39$
 Right: 7.891 ± 25.096 $\chi^2/\text{NDF}: 35.3/35$
 In: -89.068 ± 22.320 $\chi^2/\text{NDF}: 51.0/35$
 Out: -124.263 ± 21.213 $\chi^2/\text{NDF}: 55.5/39$
 All: -107.560 ± 15.376 $\chi^2/\text{NDF}: 107.8/75$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616 $\pm$ 0.026 χ^2 /NDF: 79928.5/16

Left Out: 106.394 $\pm$ 0.019 χ^2 /NDF:224832.3/20

Right Out: 92.477 $\pm$ 0.025 χ^2 /NDF: 78591.0/18

Left In: 108.398 $\pm$ 0.020 χ^2 /NDF:178190.3/18

Left: 107.342 $\pm$ 0.014 χ^2 /NDF: 408314.4/39

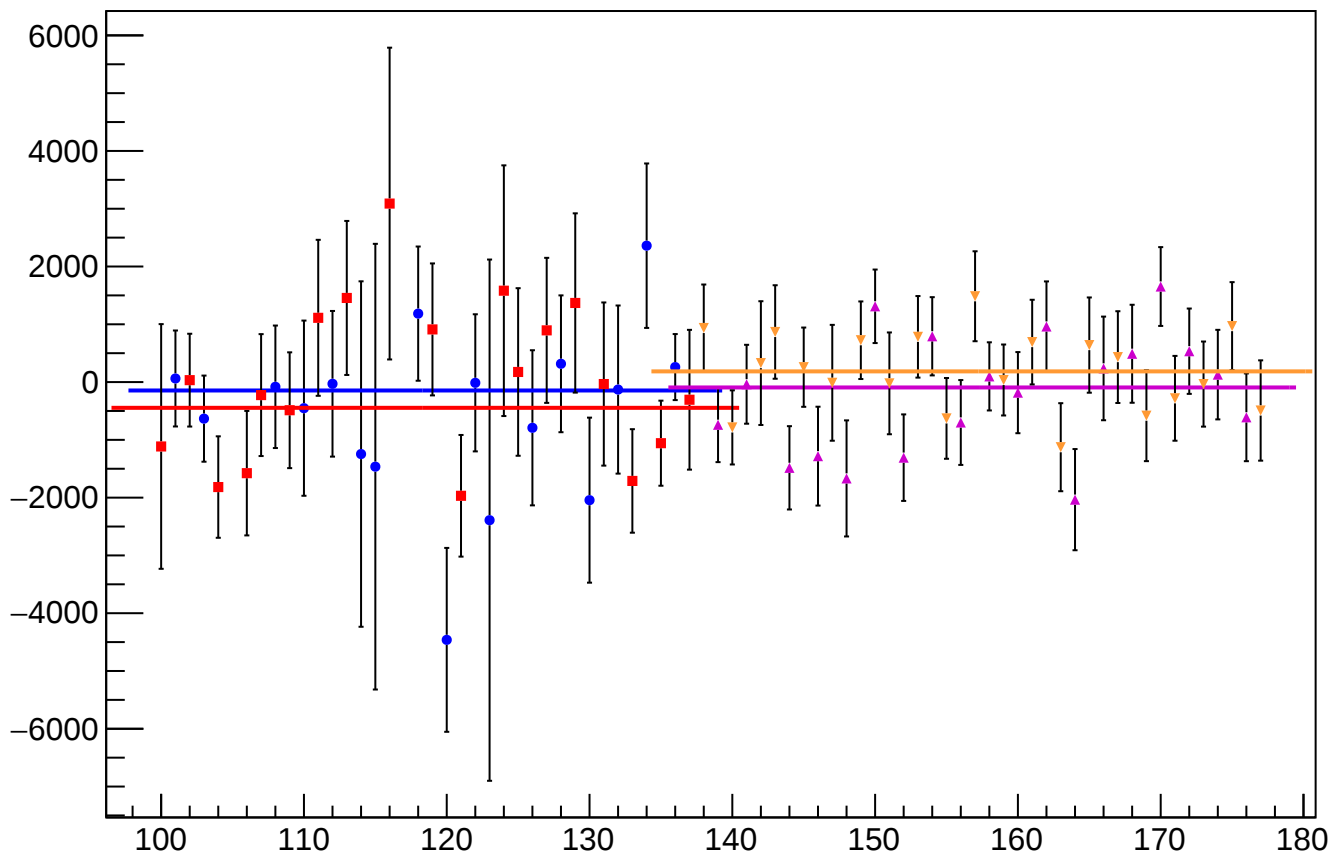
Right: 93.020 $\pm$ 0.018 χ^2 /NDF: 159546.8/35

In: 102.825 $\pm$ 0.016 χ^2 /NDF:464159.3/35

Out: 101.190 $\pm$ 0.015 χ^2 /NDF:504932.5/39

All: 101.966 $\pm$ 0.011 χ^2 /NDF: 974728.0/75

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: 185.101 ± 165.300 $\chi^2/\text{NDF}: 16.6/20$

Right Out: -445.575 ± 260.276 $\chi^2/\text{NDF}: 19.0/18$

Left In: -93.179 ± 169.086 $\chi^2/\text{NDF}: 34.3/18$

Left: 49.111 ± 118.200 $\chi^2/\text{NDF}: 52.3/39$

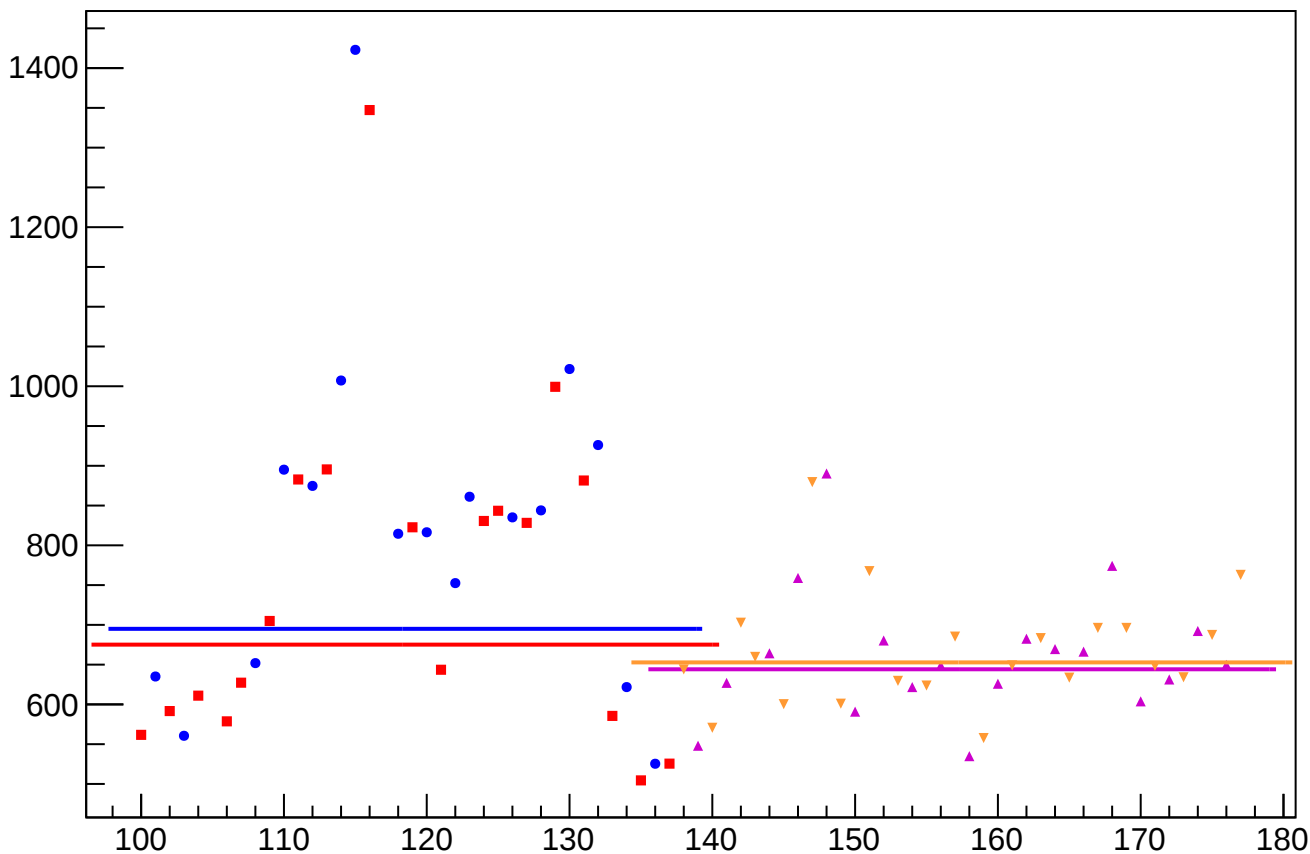
Right: -304.652 ± 189.560 $\chi^2/\text{NDF}: 35.1/35$

In: -107.400 ± 144.270 $\chi^2/\text{NDF}: 49.8/35$

Out: 3.833 ± 139.537 $\chi^2/\text{NDF}: 39.8/39$

All: -49.929 ± 100.299 $\chi^2/\text{NDF}: 89.9/75$

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2/NDF : 677713.0/16

Left Out: 652.806 $\pm$ 0.117 χ^2/NDF :308551.1/20

Right Out: 675.151 $\pm$ 0.184 χ^2/NDF : 676394.1/18

Left In: 644.151 $\pm$ 0.120 χ^2/NDF :364195.4/18

Left: 648.577 $\pm$ 0.084 χ^2/NDF : 675426.2/39

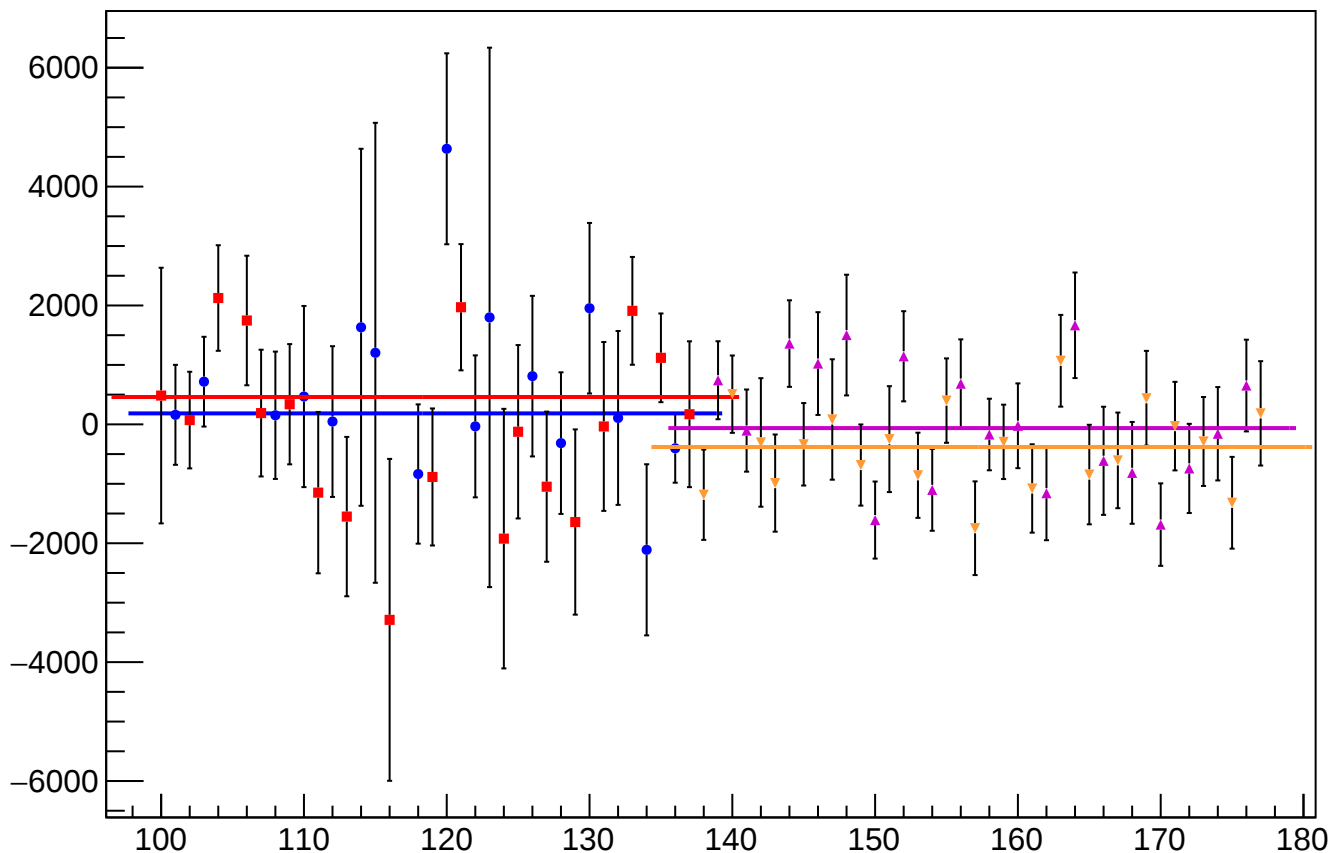
Right: 684.478 $\pm$ 0.134 χ^2/NDF : 1359576.7/35

In: 657.985 $\pm$ 0.102 χ^2/NDF :1091132.2/35

Out: 659.228 $\pm$ 0.099 χ^2/NDF :995448.9/39

All: 658.628 $\pm$ 0.071 χ^2/NDF : 2086657.8/75

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2/NDF : 14.9/16

Left Out: -381.287 $\pm$ 167.592 χ^2/NDF :16.6/20

Right Out: 460.174 $\pm$ 262.960 χ^2/NDF : 22.3/18

Left In: -62.778 $\pm$ 171.585 χ^2/NDF :34.9/18

Left: -225.781 $\pm$ 119.892 χ^2/NDF : 53.3/39

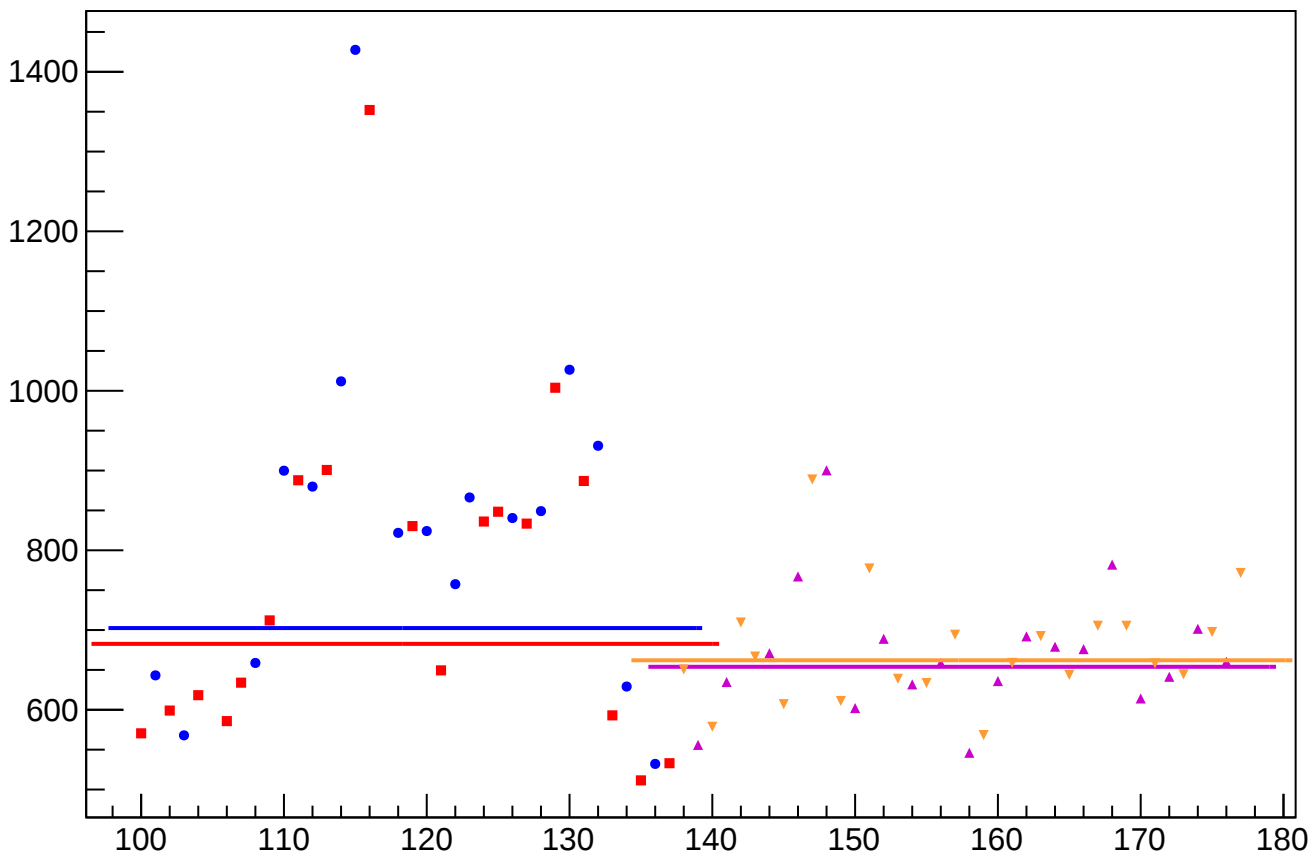
Right: 330.689 $\pm$ 191.486 χ^2/NDF : 37.7/35

In: 4.949 $\pm$ 146.213 χ^2/NDF :50.4/35

Out: -138.224 $\pm$ 141.329 χ^2/NDF :46.2/39

All: -69.068 $\pm$ 101.617 χ^2/NDF : 97.1/75

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 662.061+/-0.119 χ^2/NDF : 300444.4/20

Right Out: 682.662+/-0.186 χ^2/NDF : 659521.7/18

Left In: 653.905+/-0.121 χ^2/NDF : 350779.7/18

Left: 658.079+/-0.085 χ^2/NDF : 653536.4/39

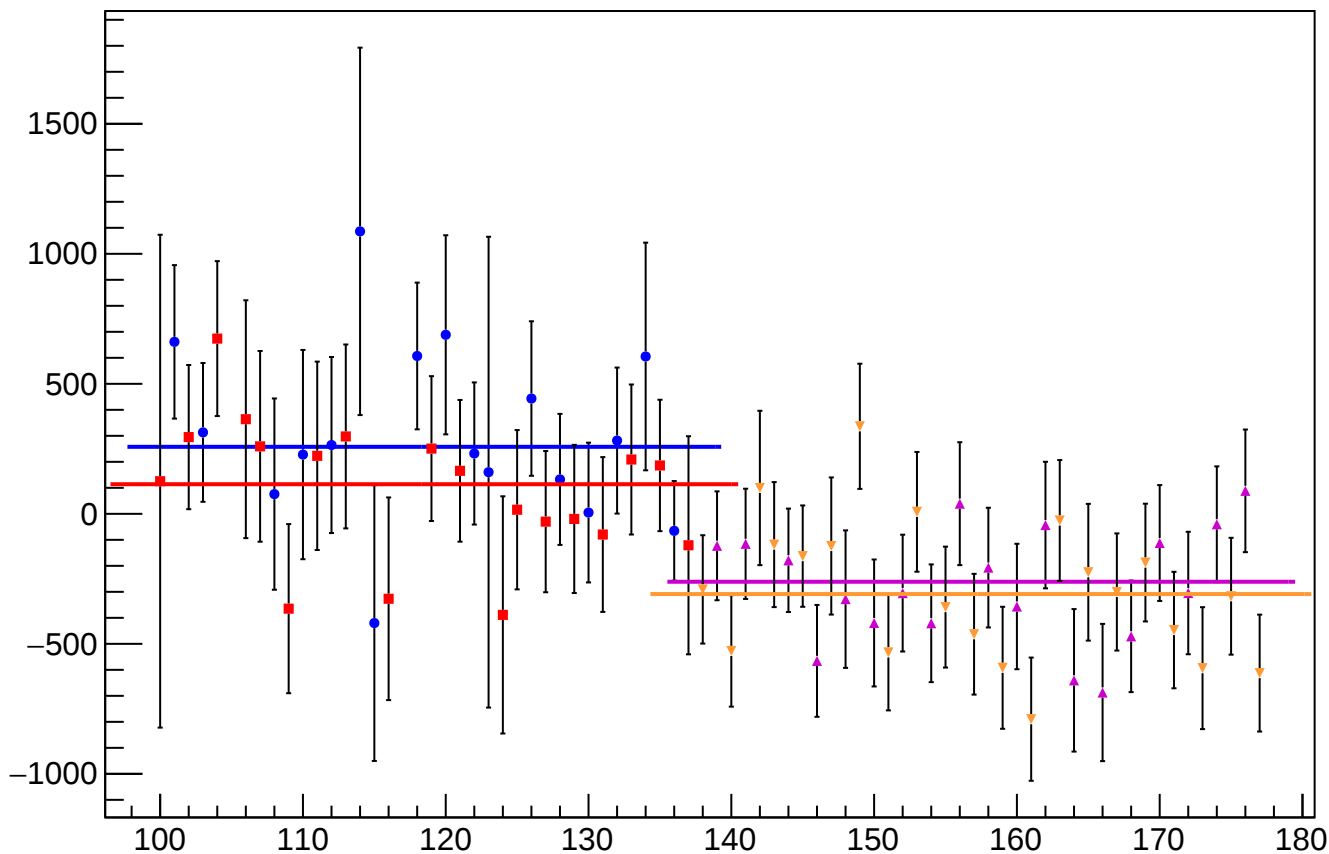
Right: 691.966+/-0.135 χ^2/NDF : 1325377.5/35

In: 667.205+/-0.103 χ^2/NDF : 1055183.0/35

Out: 668.011+/-0.100 χ^2/NDF : 968695.6/39

All: 667.622+/-0.072 χ^2/NDF : 2023910.1/75

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: -308.548 $\pm$ 50.424 χ^2 /NDF:26.3/20

Right Out: 113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

Left In: -261.211 $\pm$ 52.782 χ^2 /NDF:15.9/18

Left: -285.961 $\pm$ 36.460 χ^2 /NDF: 42.6/39

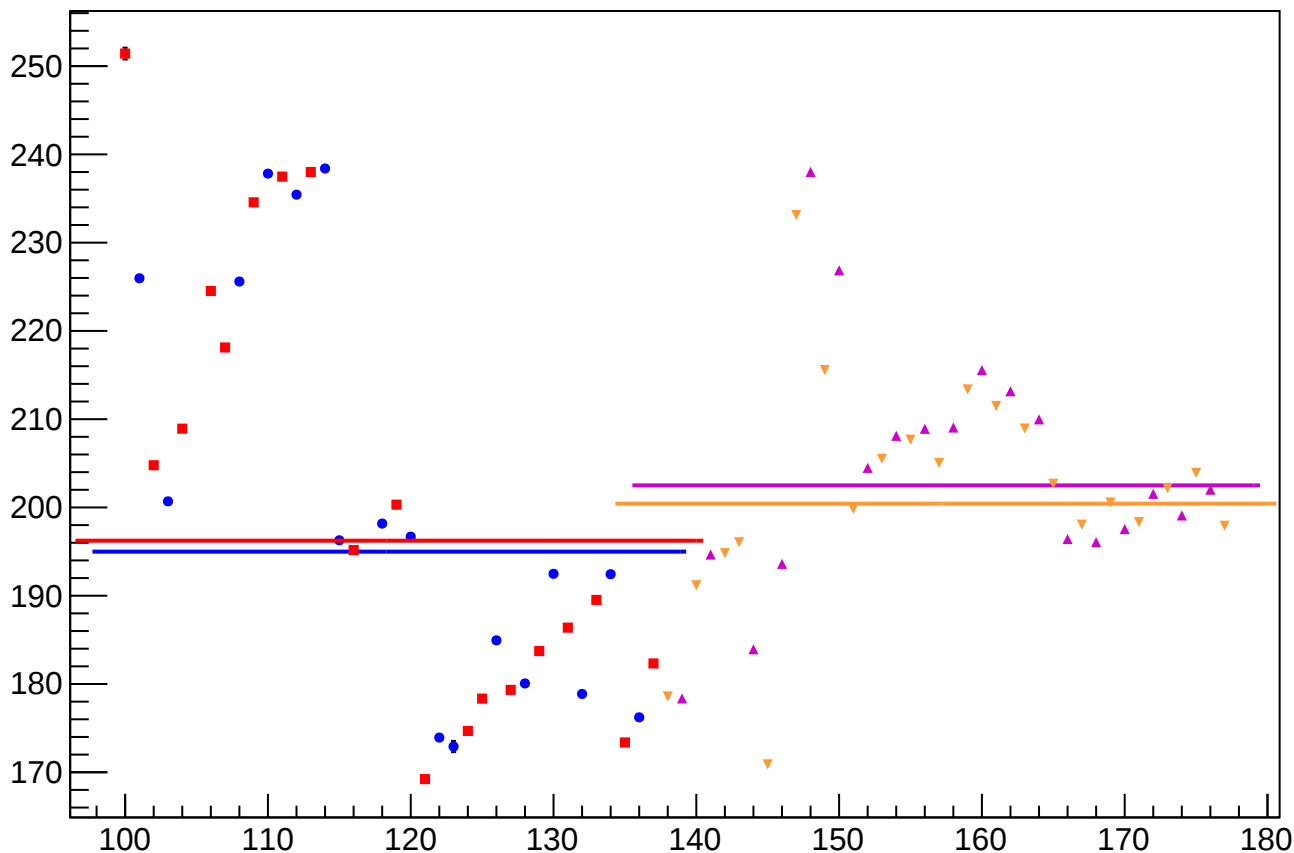
Right: 184.138 $\pm$ 53.073 χ^2 /NDF: 26.1/35

In: -92.151 $\pm$ 43.340 χ^2 /NDF:60.4/35

Out: -175.133 $\pm$ 41.707 χ^2 /NDF:59.7/39

All: -135.234 $\pm$ 30.052 χ^2 /NDF: 122.0/75

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 200.431 ± 0.036 χ^2/NDF : 129931.1/20

Right Out: 196.235 ± 0.052 χ^2/NDF : 173491.6/18

Left In: 202.501 ± 0.037 χ^2/NDF : 126184.6/18

Left: 201.419 ± 0.026 χ^2/NDF : 257724.6/39

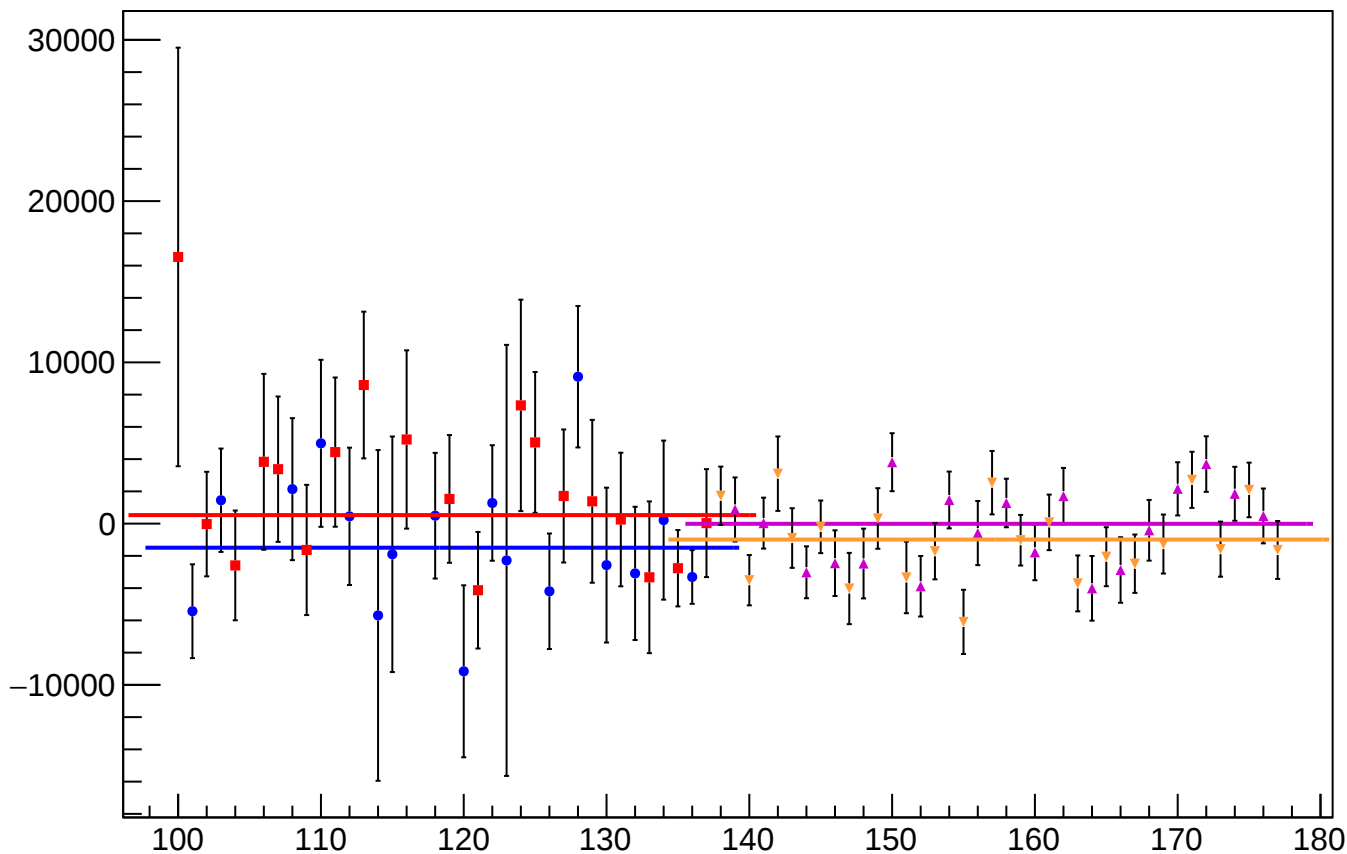
Right: 195.629 ± 0.038 χ^2/NDF : 318035.8/35

In: 200.056 ± 0.031 χ^2/NDF : 283636.0/35

Out: 199.106 ± 0.029 χ^2/NDF : 307797.0/39

All: 199.562 ± 0.021 χ^2/NDF : 591932.0/75

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280 $\pm$ 910.834 χ^2 /NDF: 16.1/16

Left Out: -986.021 $\pm$ 394.797 χ^2 /NDF:33.7/20

Right Out: 528.758 $\pm$ 934.718 χ^2 /NDF: 14.6/18

Left In: -11.782 $\pm$ 410.041 χ^2 /NDF:32.4/18

Left: -517.348 $\pm$ 284.400 χ^2 /NDF: 69.0/39

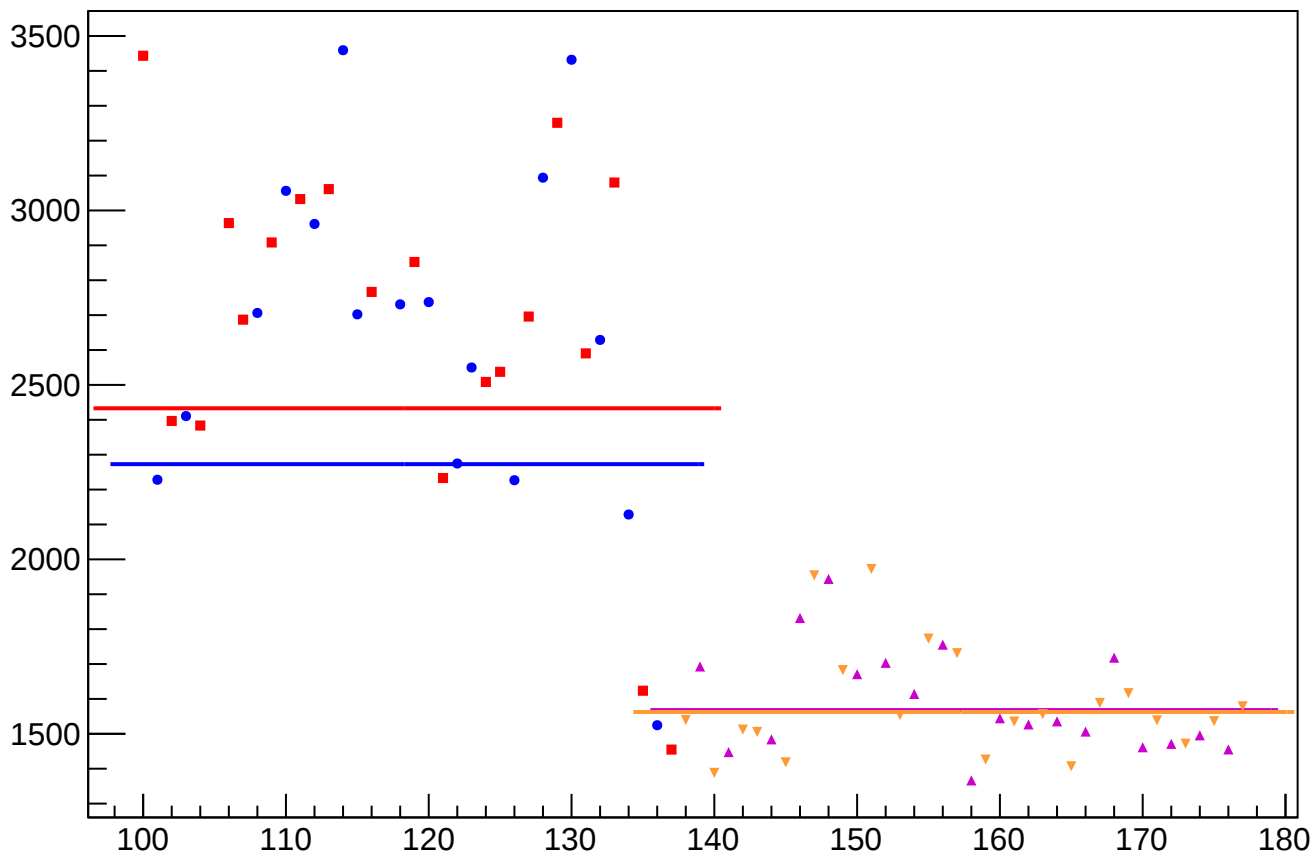
Right: -508.424 $\pm$ 652.337 χ^2 /NDF: 33.2/35

In: -261.433 $\pm$ 373.900 χ^2 /NDF:50.8/35

Out: -756.700 $\pm$ 363.688 χ^2 /NDF:50.5/39

All: -515.922 $\pm$ 260.702 χ^2 /NDF: 102.2/75

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883 $\pm$ 0.644 χ^2 /NDF: 805650.3/16

Left Out: 1562.465 $\pm$ 0.279 χ^2 /NDF: 259133.1/20

Right Out: 2432.950 $\pm$ 0.661 χ^2 /NDF: 680783.9/18

Left In: 1568.047 $\pm$ 0.290 χ^2 /NDF: 234724.6/18

Left: 1565.150 $\pm$ 0.201 χ^2 /NDF: 494050.0/39

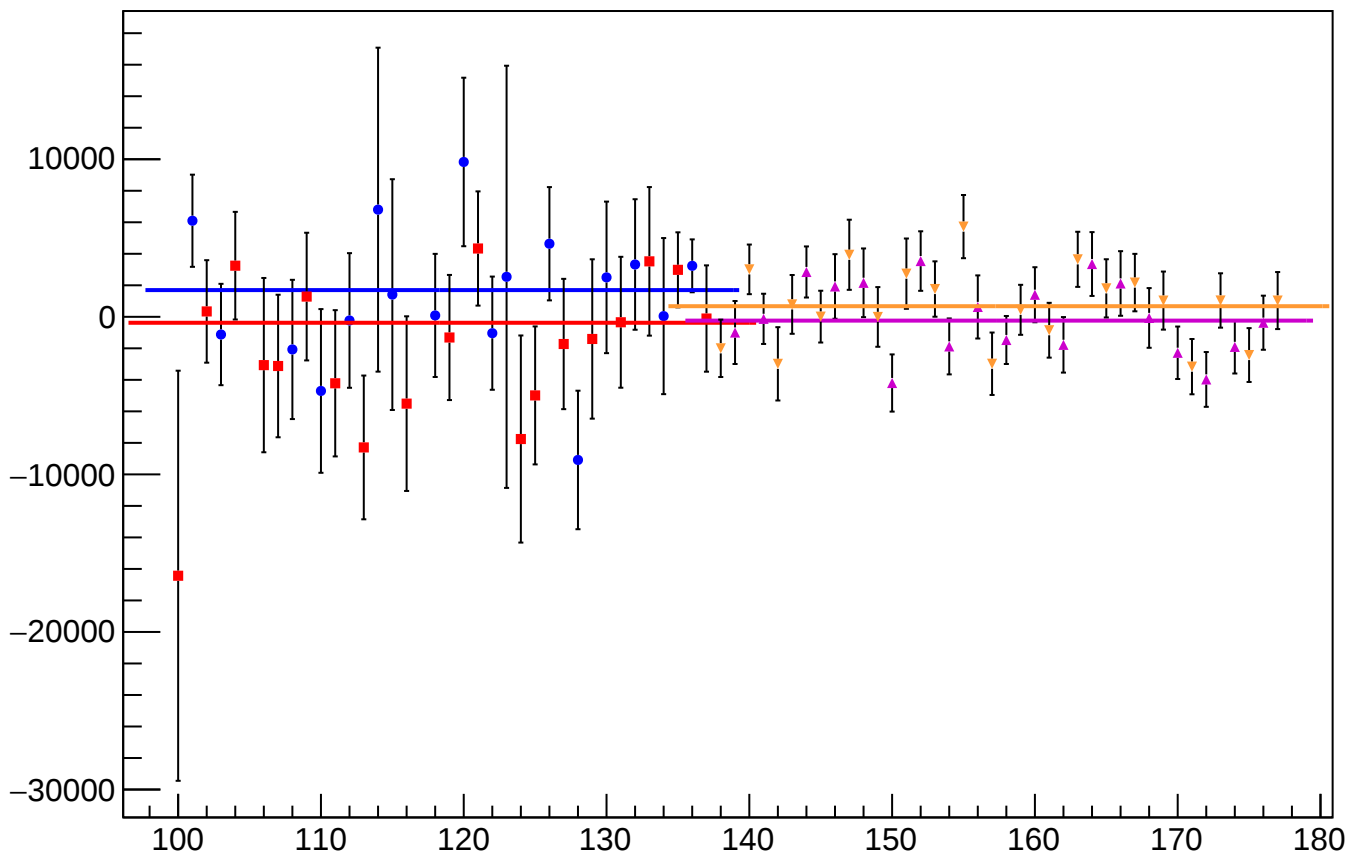
Right: 2350.846 $\pm$ 0.461 χ^2 /NDF: 1516518.2/35

In: 1686.821 $\pm$ 0.264 χ^2 /NDF: 2036202.1/35

Out: 1694.247 $\pm$ 0.257 χ^2 /NDF: 2411890.5/39

All: 1690.637 $\pm$ 0.184 χ^2 /NDF: 4448497.9/75

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2/NDF : 16.6/16

Left Out: 673.843 $\pm$ 398.150 χ^2/NDF : 33.2/20

Right Out: -377.629 $\pm$ 938.528 χ^2/NDF : 15.0/18

Left In: -240.819 $\pm$ 413.593 χ^2/NDF : 29.8/18

Left: 233.906 $\pm$ 286.839 χ^2/NDF : 65.5/39

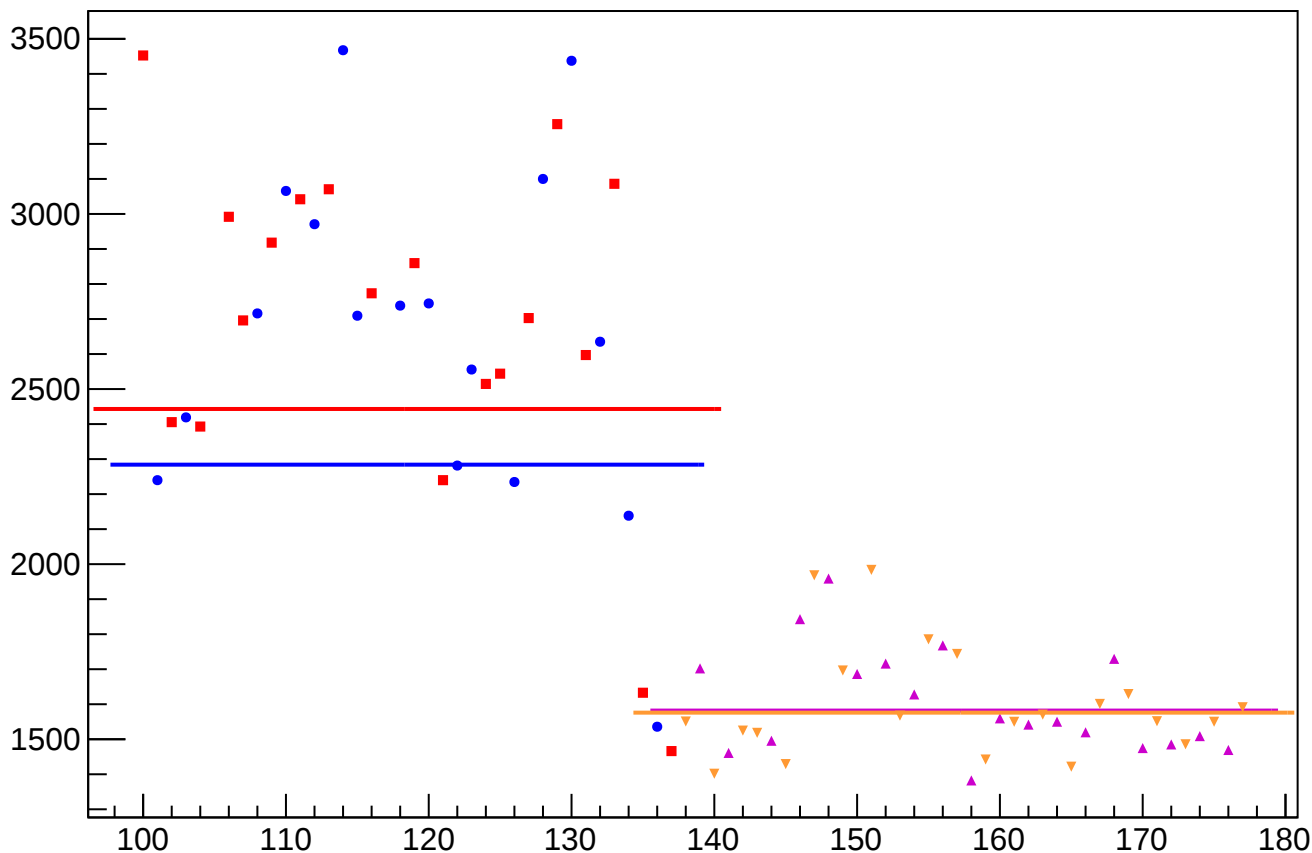
Right: 685.645 $\pm$ 655.109 χ^2/NDF : 34.1/35

In: 87.848 $\pm$ 376.869 χ^2/NDF : 50.1/35

Out: 513.472 $\pm$ 366.532 χ^2/NDF : 49.2/39

All: 306.577 $\pm$ 262.756 χ^2/NDF : 100.0/75

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1575.972+/-0.282 χ^2/NDF : 254144.6/20

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

Left In: 1581.869+/-0.292 χ^2/NDF : 228957.4/18

Left: 1578.809+/-0.203 χ^2/NDF : 483313.0/39

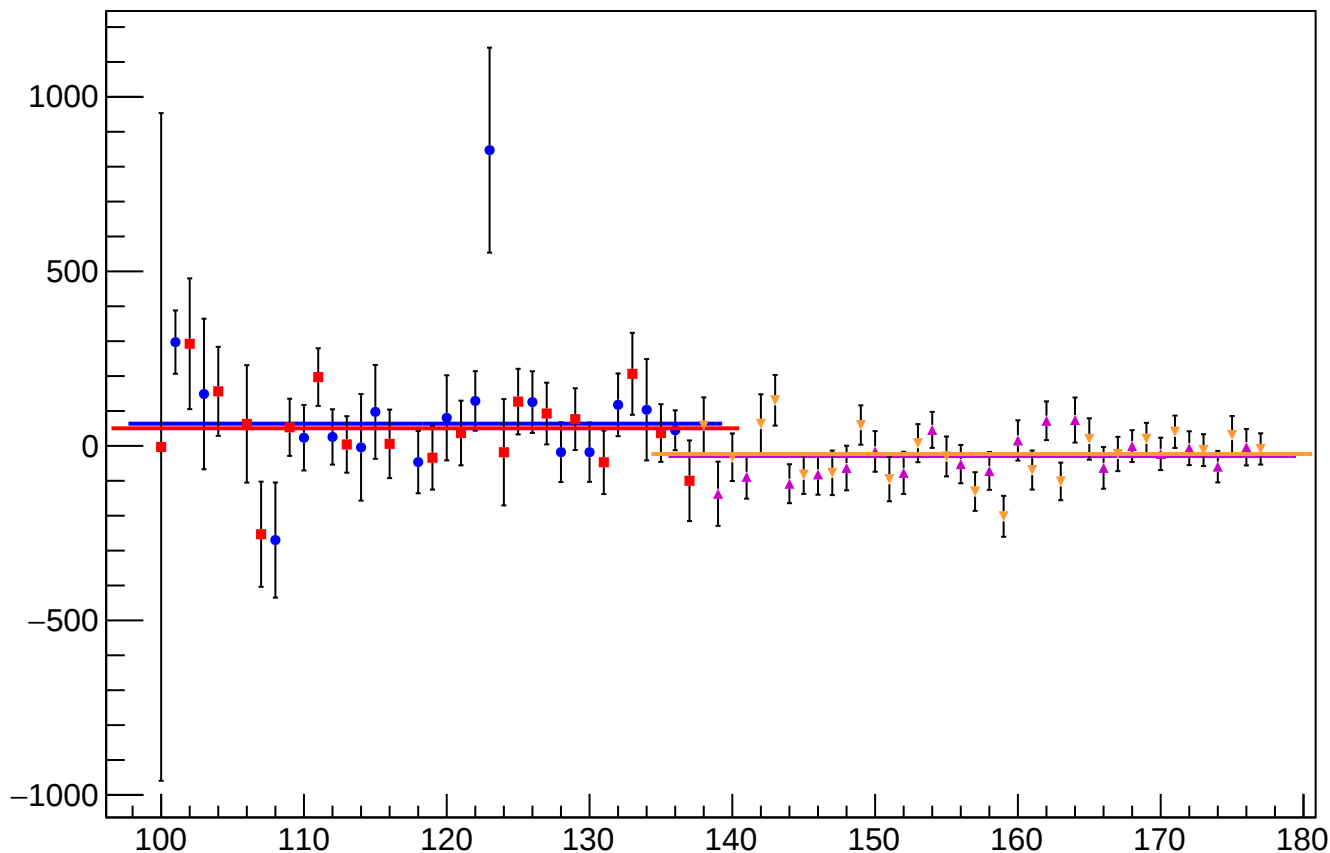
Right: 2361.583+/-0.463 χ^2/NDF : 1496334.9/35

In: 1701.037+/-0.266 χ^2/NDF : 2001371.0/35

Out: 1708.231+/-0.259 χ^2/NDF : 2373998.0/39

All: 1704.734+/-0.186 χ^2/NDF : 4375743.5/75

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: -23.181 $\pm$ 12.205 χ^2 /NDF:32.5/20

Right Out: 50.278 $\pm$ 23.661 χ^2 /NDF: 16.8/18

Left In: -28.901 $\pm$ 12.675 χ^2 /NDF:17.1/18

Left: -25.933 $\pm$ 8.792 χ^2 /NDF: 49.7/39

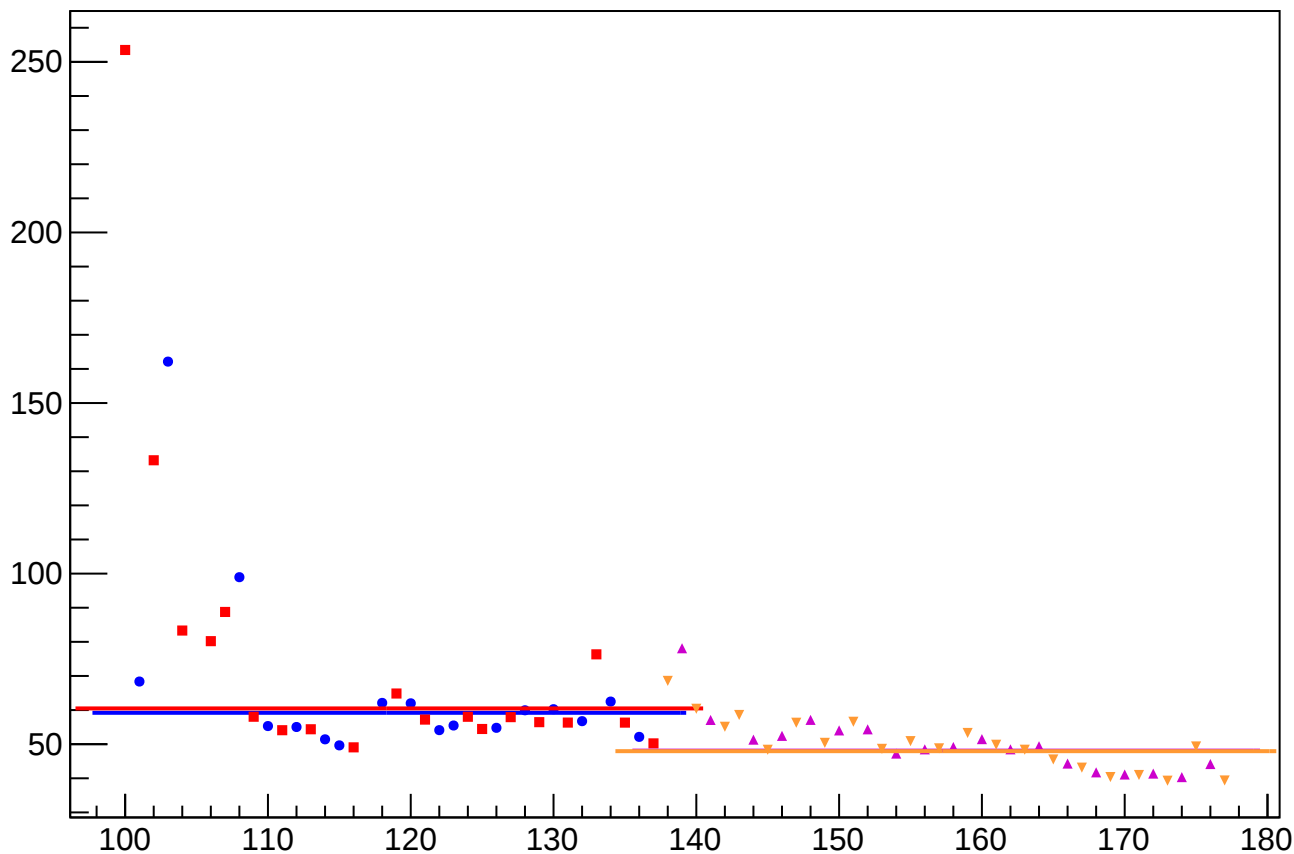
Right: 56.949 $\pm$ 16.760 χ^2 /NDF: 40.6/35

In: -8.370 $\pm$ 11.182 χ^2 /NDF:52.6/35

Out: -7.743 $\pm$ 10.847 χ^2 /NDF:56.9/39

All: -8.047 $\pm$ 7.786 χ^2 /NDF: 109.5/75

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 47.954 $\pm$ 0.009 χ^2 /NDF: 621833.1/20

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

Left In: 48.108 $\pm$ 0.009 χ^2 /NDF: 564853.0/18

Left: 48.028 $\pm$ 0.006 χ^2 /NDF: 1186840.1/39

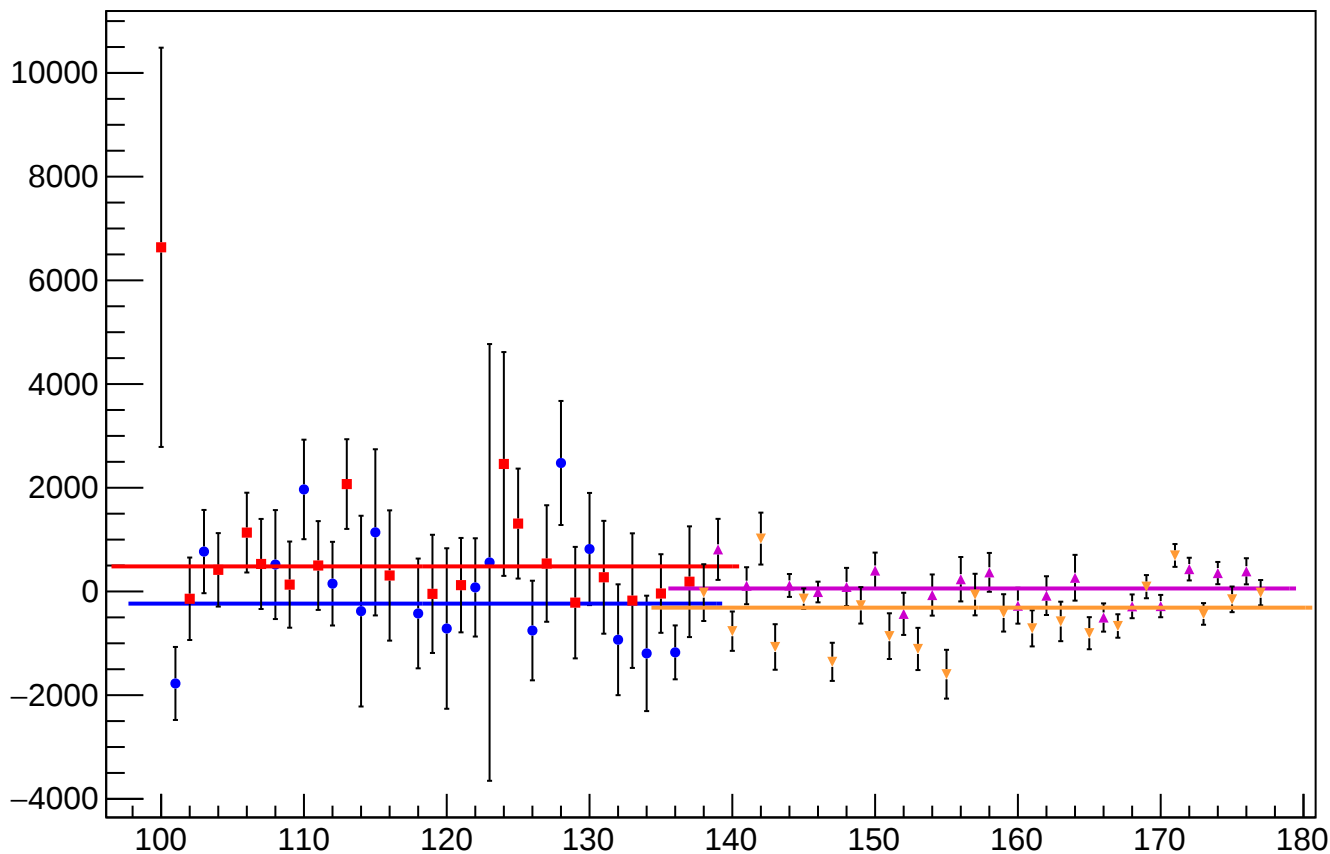
Right: 59.844 $\pm$ 0.012 χ^2 /NDF: 1348461.0/35

In: 50.568 $\pm$ 0.008 χ^2 /NDF: 1570043.5/35

Out: 50.587 $\pm$ 0.008 χ^2 /NDF: 1744861.1/39

All: 50.578 $\pm$ 0.006 χ^2 /NDF: 3314907.4/75

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -312.375 ± 65.667 χ^2/NDF : 67.0/20

Right Out: 483.305 ± 222.314 χ^2/NDF : 10.6/18

Left In: 57.495 ± 65.889 χ^2/NDF : 22.1/18

Left: -128.065 ± 46.512 χ^2/NDF : 104.9/39

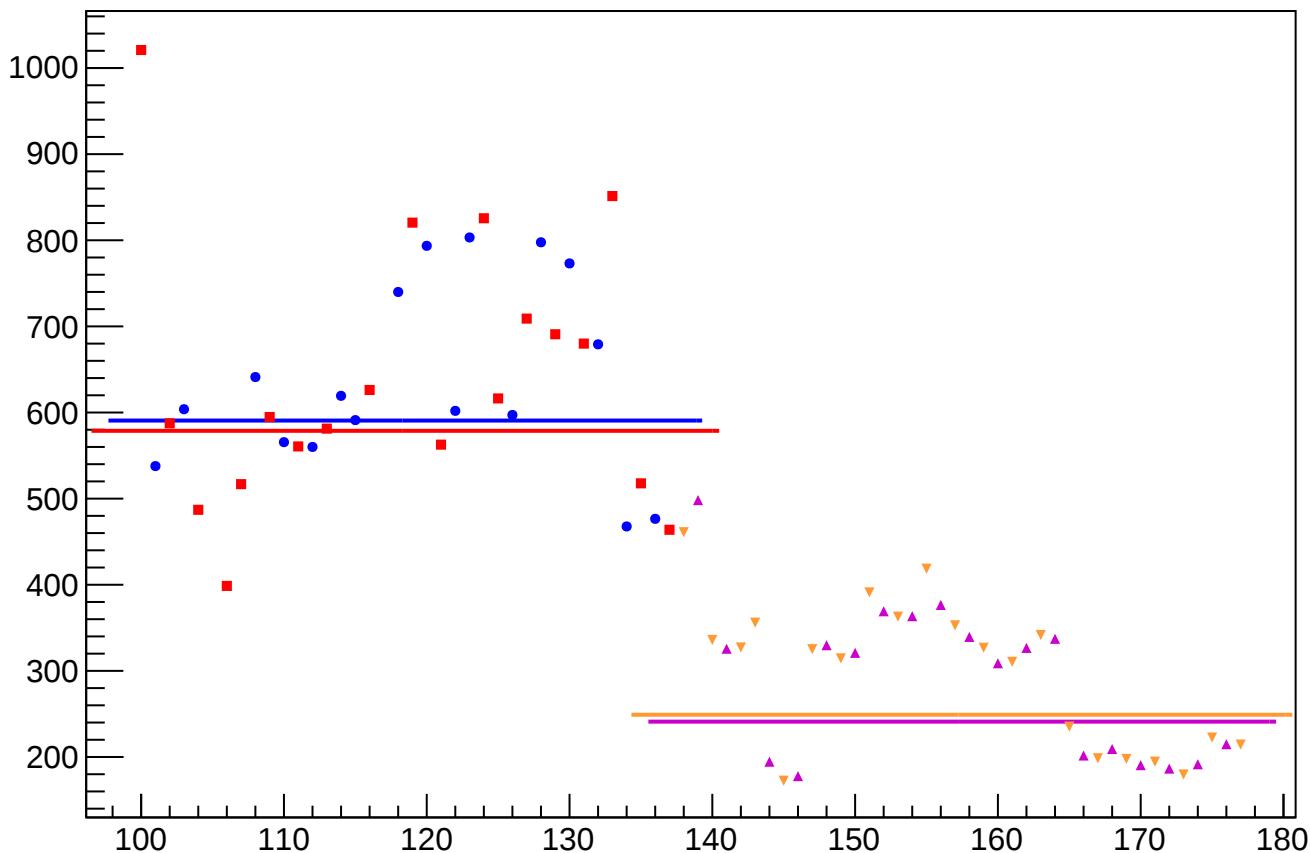
Right: 142.594 ± 161.133 χ^2/NDF : 39.7/35

In: 36.025 ± 63.420 χ^2/NDF : 47.7/35

Out: -248.524 ± 62.977 χ^2/NDF : 89.4/39

All: -107.248 ± 44.687 χ^2/NDF : 147.2/75

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: 249.075 $\pm$ 0.046 χ^2 /NDF: 2673081.0/20

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

Left In: 241.050 $\pm$ 0.047 χ^2 /NDF: 2455266.8/18

Left: 245.076 $\pm$ 0.033 χ^2 /NDF: 5143230.7/39

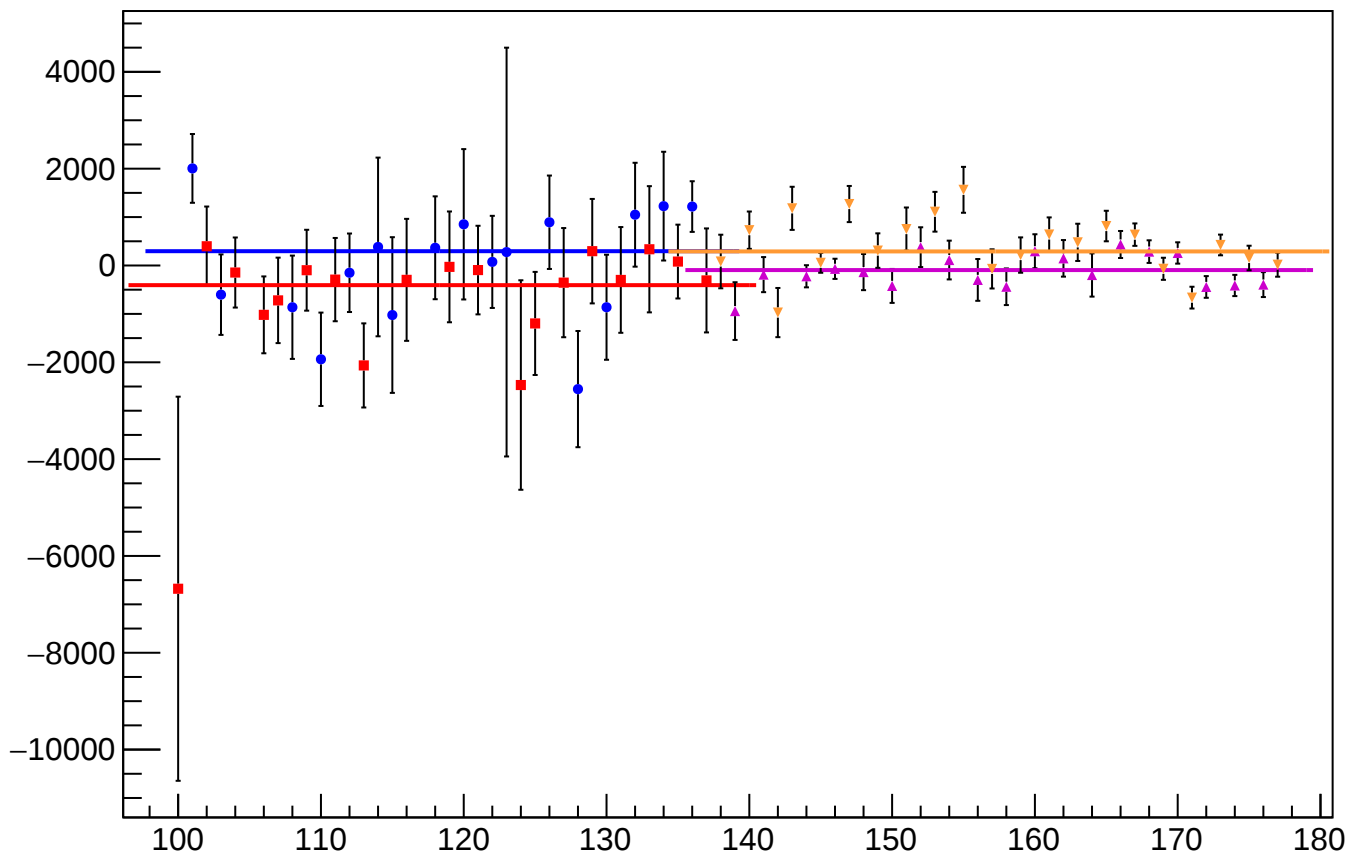
Right: 584.404 $\pm$ 0.114 χ^2 /NDF: 848765.8/35

In: 266.757 $\pm$ 0.045 χ^2 /NDF: 6947724.1/35

Out: 275.531 $\pm$ 0.045 χ^2 /NDF: 7212318.7/39

All: 271.175 $\pm$ 0.032 χ^2 /NDF: 14179313.4/75

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2/NDF : 26.1/16

Left Out: 290.429 $\pm$ 67.011 χ^2/NDF : 61.5/20

Right Out: -406.158 $\pm$ 224.855 χ^2/NDF : 11.0/18

Left In: -94.702 $\pm$ 67.397 χ^2/NDF : 22.3/18

Left: 98.968 $\pm$ 47.520 χ^2/NDF : 100.3/39

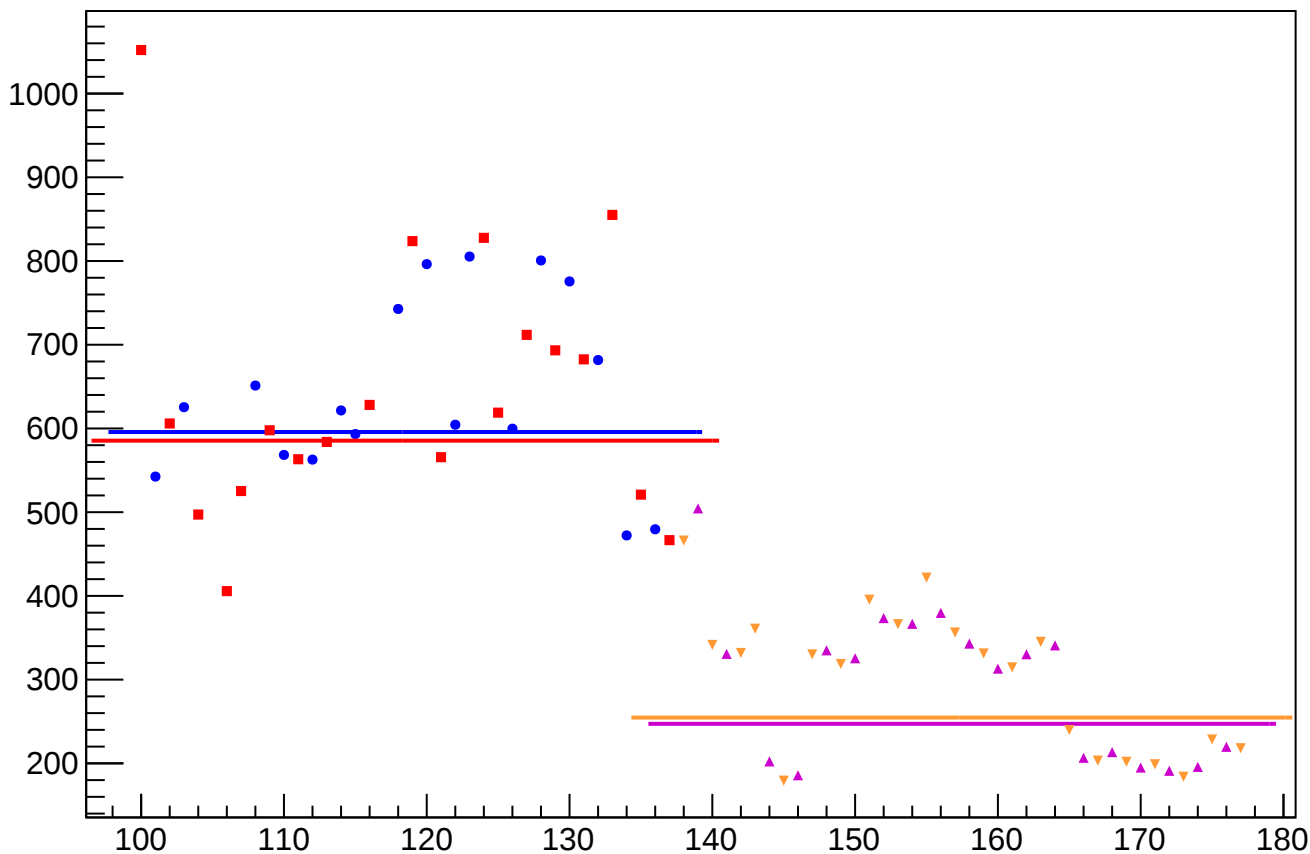
Right: -72.128 $\pm$ 162.748 χ^2/NDF : 41.7/35

In: -65.254 $\pm$ 64.803 χ^2/NDF : 51.0/35

Out: 233.607 $\pm$ 64.220 χ^2/NDF : 81.3/39

All: 85.527 $\pm$ 45.615 χ^2/NDF : 143.0/75

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 254.699 $\pm$ 0.047 χ^2 /NDF: 2561460.5/20

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

Left In: 247.198 $\pm$ 0.048 χ^2 /NDF: 2334132.2/18

Left: 250.970 $\pm$ 0.034 χ^2 /NDF: 4908050.7/39

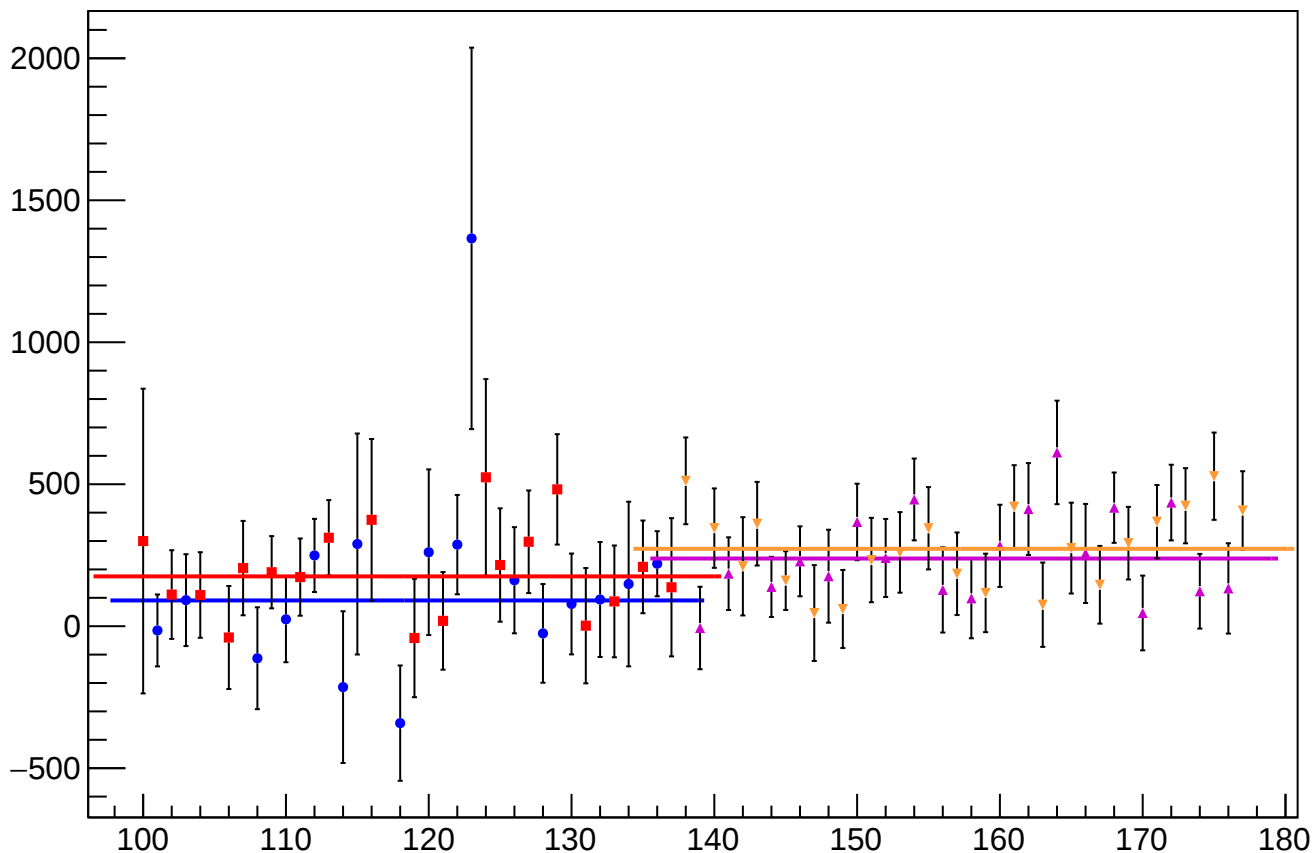
Right: 590.331 $\pm$ 0.115 χ^2 /NDF: 826533.5/35

In: 273.508 $\pm$ 0.046 χ^2 /NDF: 6721831.3/35

Out: 281.676 $\pm$ 0.045 χ^2 /NDF: 7009672.8/39

All: 277.629 $\pm$ 0.032 χ^2 /NDF: 13747534.2/75

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 272.527+/-30.793 χ^2/NDF :19.8/20

Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18

Left In: 238.342+/-31.985 χ^2/NDF :21.7/18

Left: 256.083+/-22.183 χ^2/NDF : 42.0/39

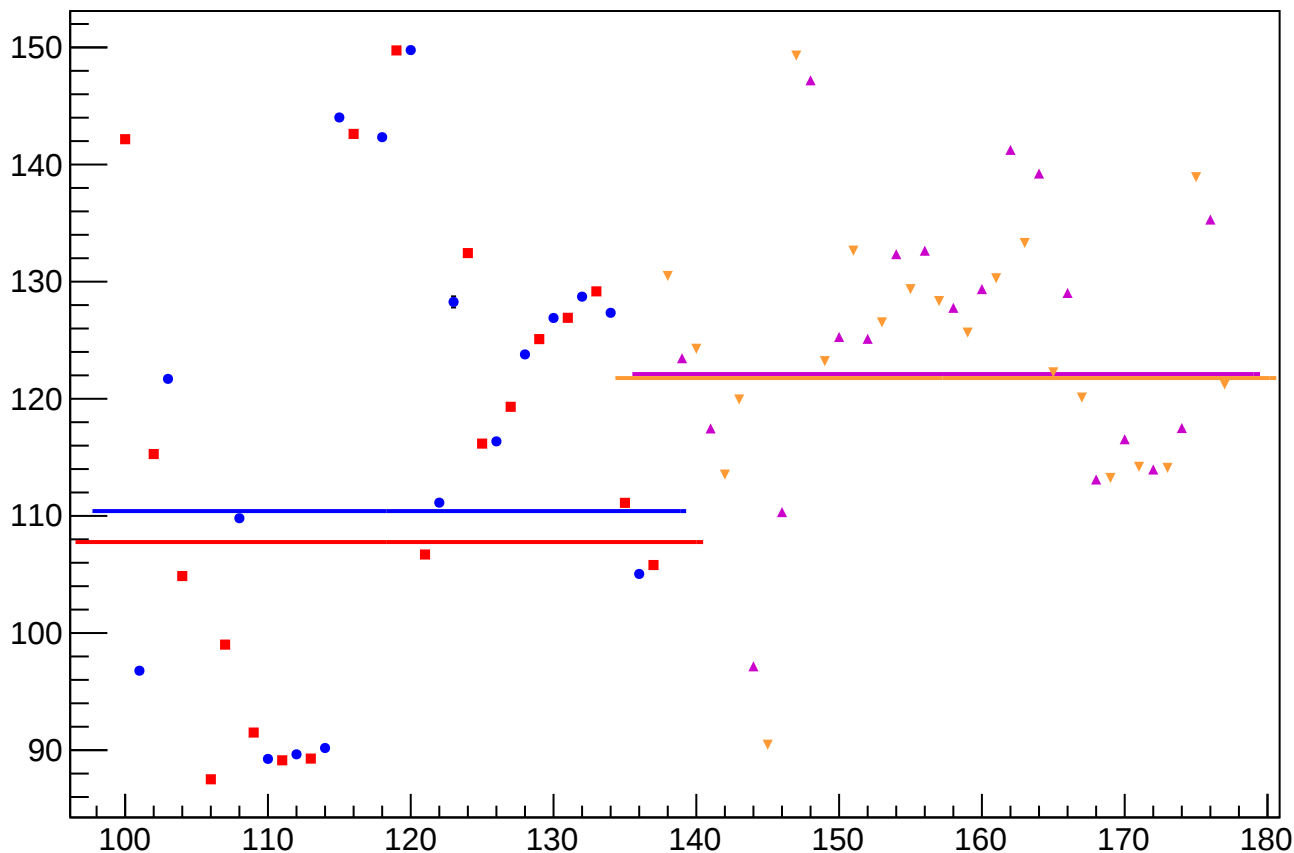
Right: 135.317+/-29.814 χ^2/NDF : 29.2/35

In: 186.244+/-25.729 χ^2/NDF :46.1/35

Out: 237.640+/-24.644 χ^2/NDF :33.6/39

All: 213.049+/-17.797 χ^2/NDF : 81.8/75

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 ± 0.031 $\chi^2/\text{NDF}: 296425.4/16$

Left Out: 121.769 ± 0.022 $\chi^2/\text{NDF}: 339315.8/20$

Right Out: 107.768 ± 0.029 $\chi^2/\text{NDF}: 344441.4/18$

Left In: 122.112 ± 0.023 $\chi^2/\text{NDF}: 296028.9/18$

Left: 121.934 ± 0.016 $\chi^2/\text{NDF}: 635463.9/39$

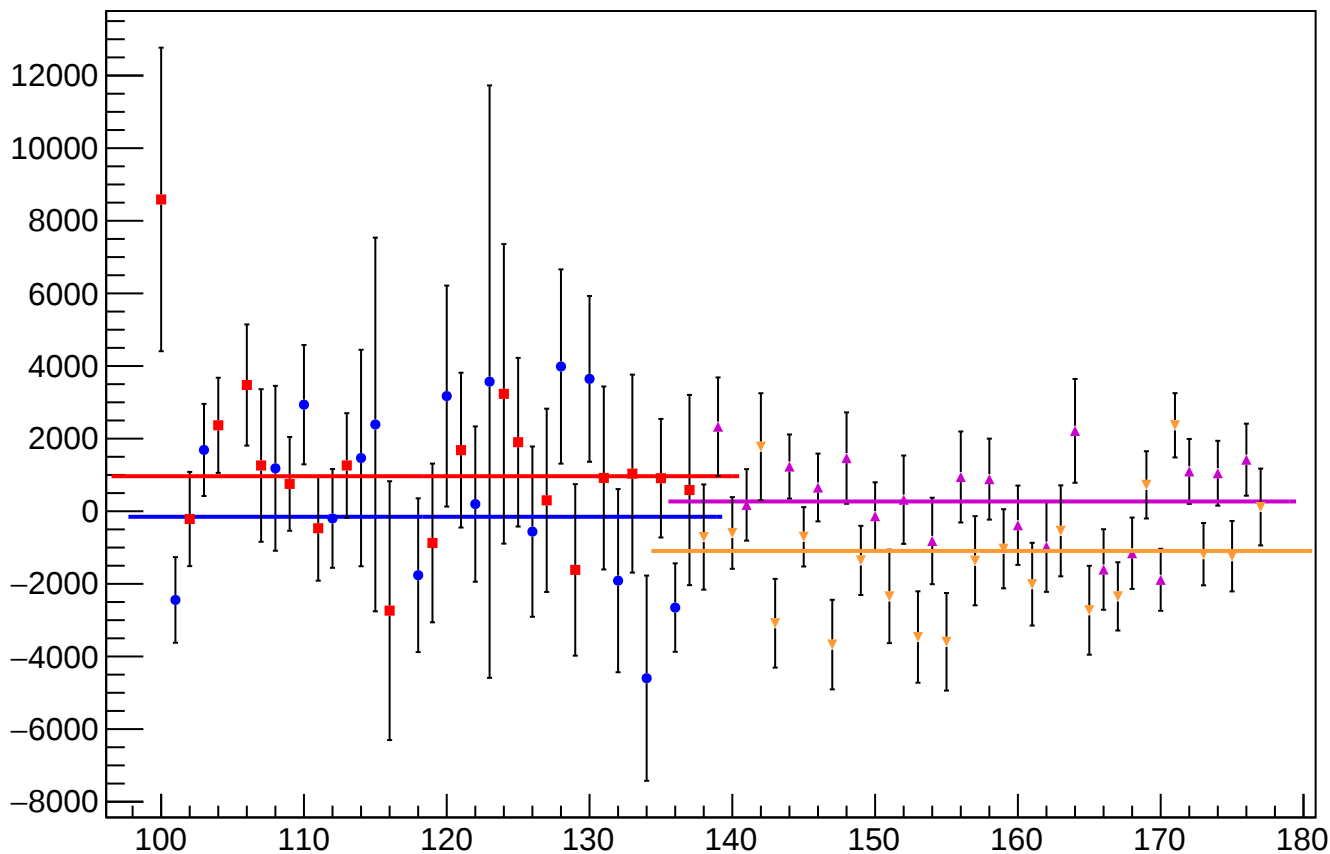
Right: 109.020 ± 0.021 $\chi^2/\text{NDF}: 644787.1/35$

In: 117.983 ± 0.018 $\chi^2/\text{NDF}: 686901.5/35$

Out: 116.735 ± 0.017 $\chi^2/\text{NDF}: 832412.2/39$

All: 117.332 ± 0.013 $\chi^2/\text{NDF}: 1521765.0/75$

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 $\pm$ 464.753 χ^2 /NDF: 24.7/16

Left Out: -1093.367 $\pm$ 234.772 χ^2 /NDF:44.3/20

Right Out: 964.716 $\pm$ 435.111 χ^2 /NDF: 12.3/18

Left In: 269.322 $\pm$ 240.254 χ^2 /NDF:23.7/18

Left: -427.747 $\pm$ 167.913 χ^2 /NDF: 84.5/39

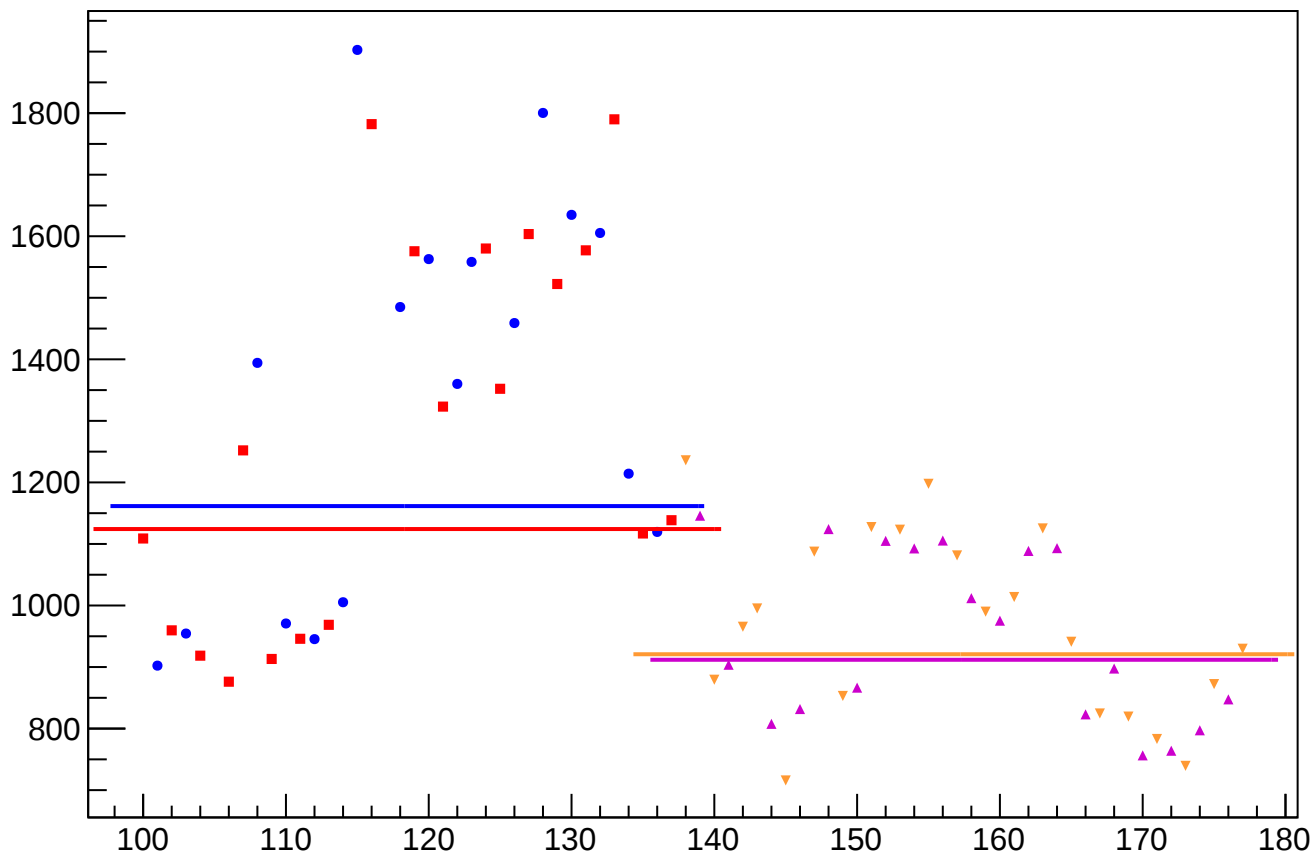
Right: 442.914 $\pm$ 317.632 χ^2 /NDF: 40.0/35

In: 180.388 $\pm$ 213.423 χ^2 /NDF:49.0/35

Out: -629.298 $\pm$ 206.614 χ^2 /NDF:74.0/39

All: -237.577 $\pm$ 148.447 χ^2 /NDF: 130.4/75

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 920.794+/-0.166 χ^2/NDF : 765083.3/20

Right Out: 1124.235+/-0.308 χ^2/NDF : 767790.0/18

Left In: 911.798+/-0.170 χ^2/NDF : 579230.3/18

Left: 916.400+/-0.119 χ^2/NDF : 1345747.9/39

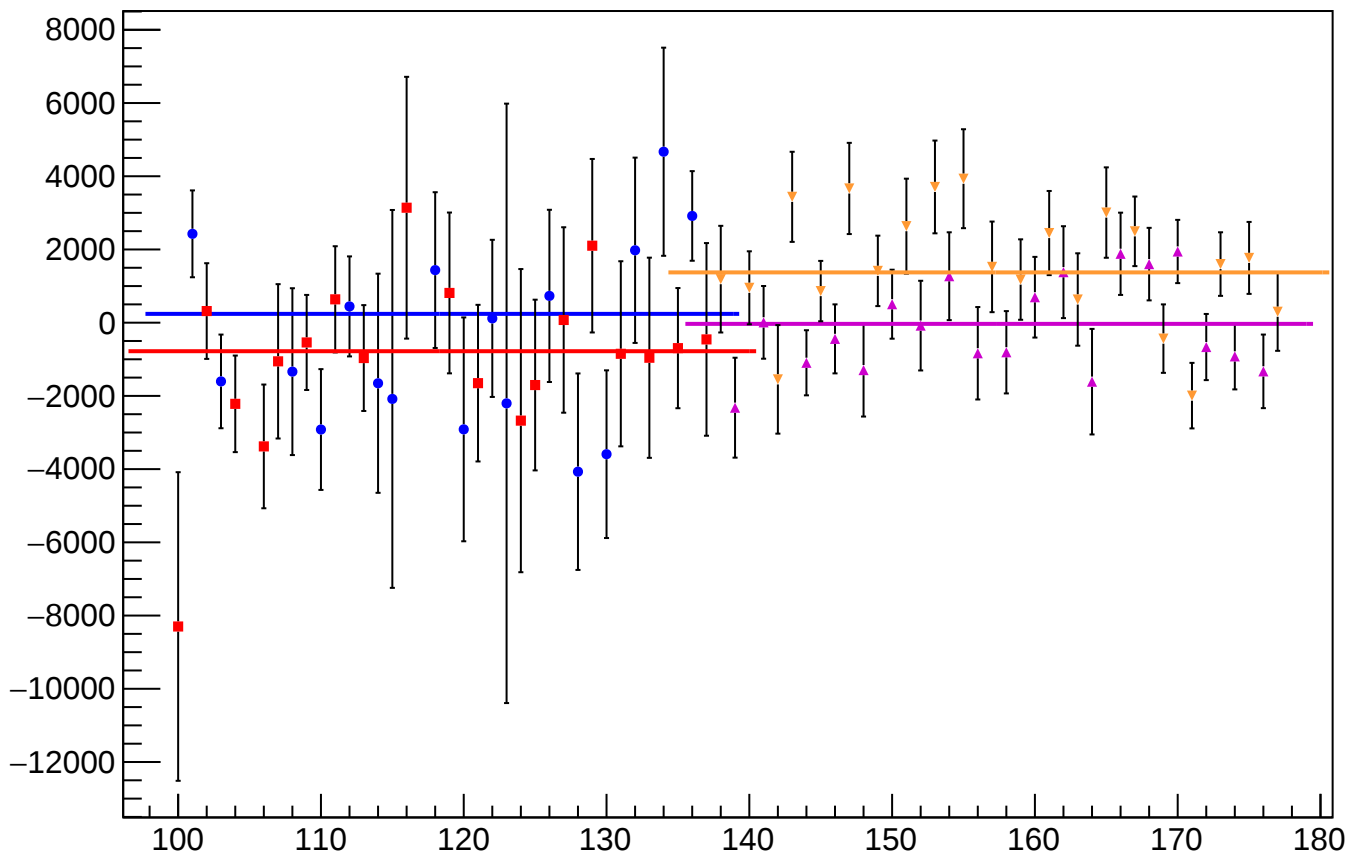
Right: 1141.655+/-0.225 χ^2/NDF : 1470560.5/35

In: 964.462+/-0.151 χ^2/NDF : 1730835.2/35

Out: 966.667+/-0.146 χ^2/NDF : 1871509.0/39

All: 965.600+/-0.105 χ^2/NDF : 3602454.4/75

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1373.501 $\pm$ 236.925 χ^2 /NDF:42.1/20

Right Out: -779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

Left In: -32.436 $\pm$ 242.515 χ^2 /NDF:24.7/18

Left: 686.923 $\pm$ 169.473 χ^2 /NDF: 84.0/39

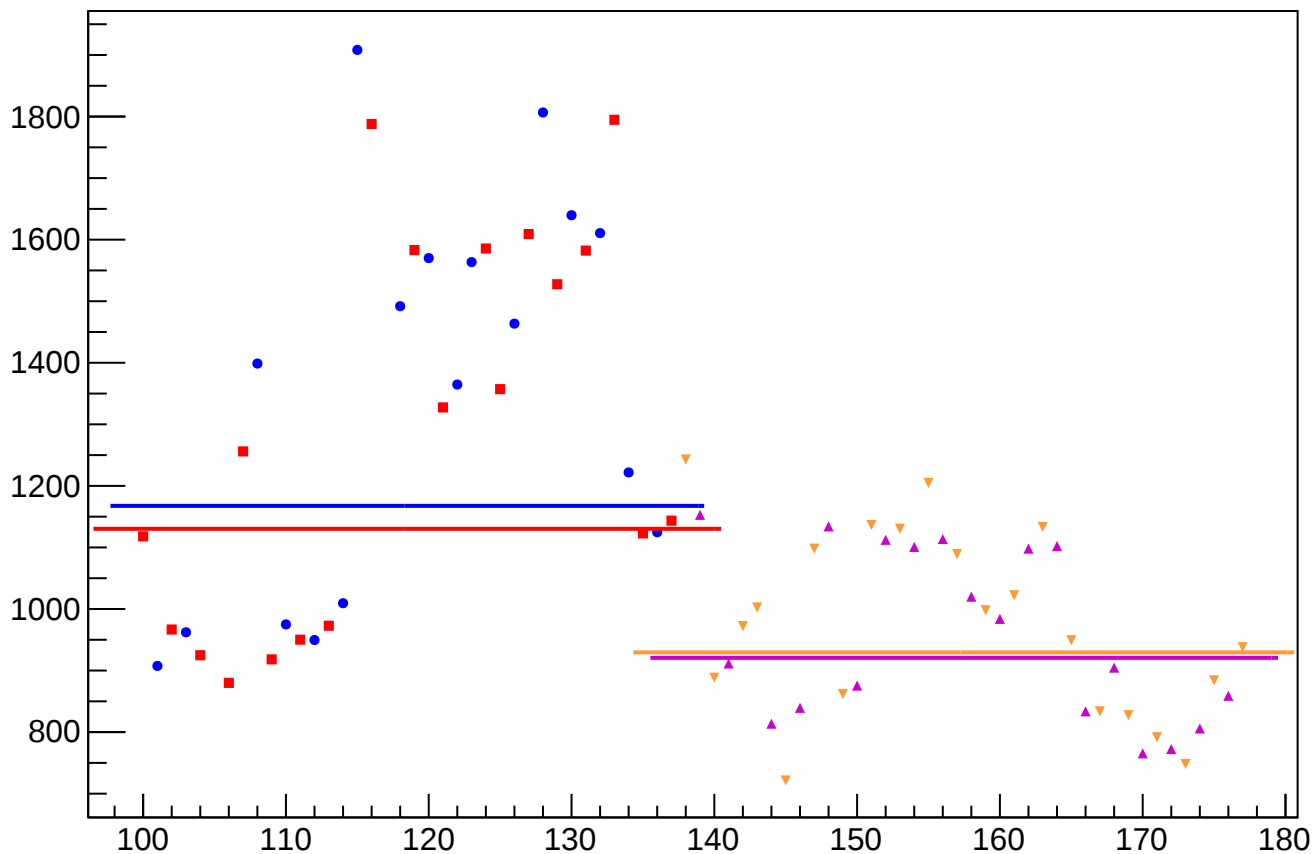
Right: -302.513 $\pm$ 319.286 χ^2 /NDF: 39.7/35

In: 25.577 $\pm$ 215.228 χ^2 /NDF:49.8/35

Out: 885.323 $\pm$ 208.336 χ^2 /NDF:73.2/39

All: 469.437 $\pm$ 149.693 χ^2 /NDF: 131.2/75

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 929.495 $\pm$ 0.168 χ^2 /NDF: 752844.9/20

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

Left In: 920.599 $\pm$ 0.171 χ^2 /NDF: 568639.7/18

Left: 925.151 $\pm$ 0.120 χ^2 /NDF: 1322861.5/39

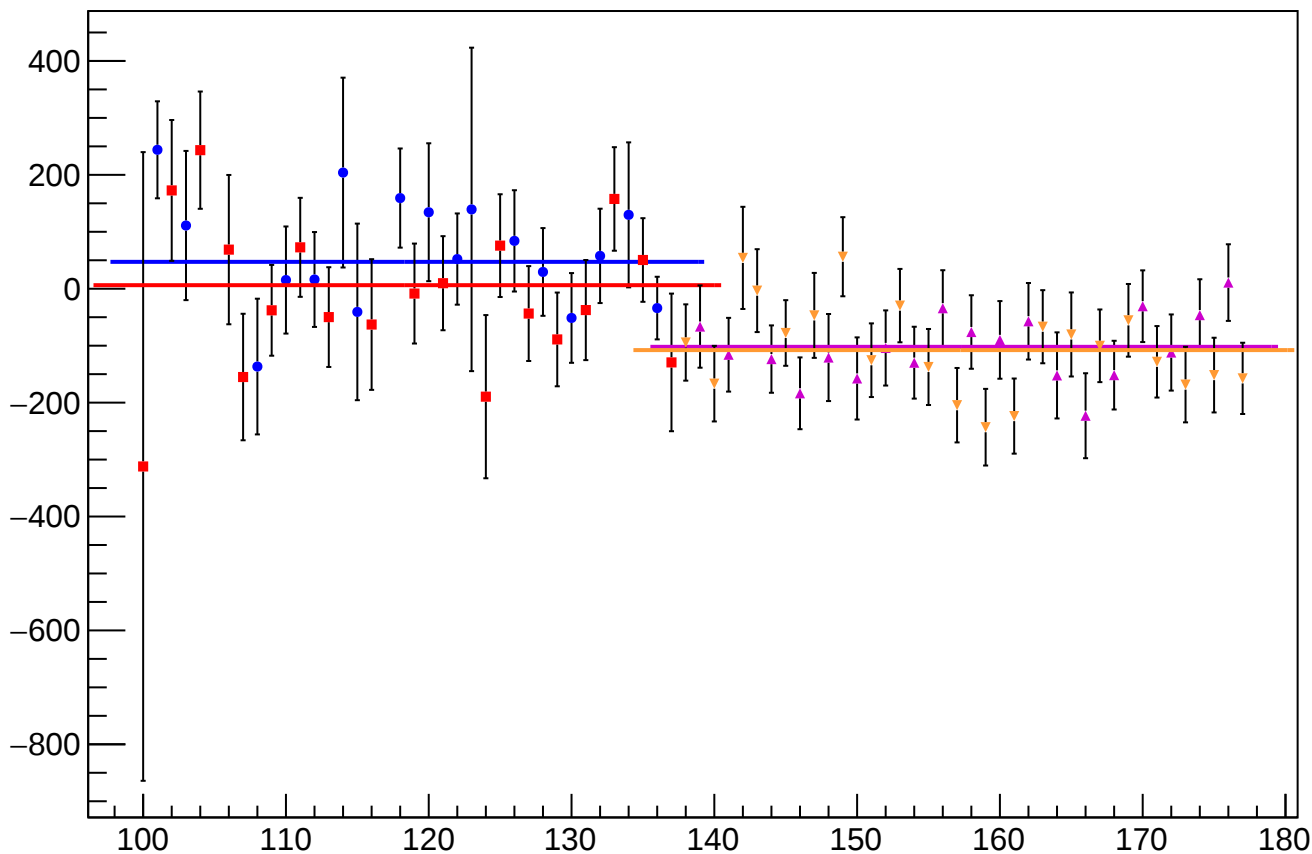
Right: 1147.705 $\pm$ 0.226 χ^2 /NDF: 1458761.3/35

In: 973.042 $\pm$ 0.152 χ^2 /NDF: 1699508.7/35

Out: 975.033 $\pm$ 0.147 χ^2 /NDF: 1840153.4/39

All: 974.070 $\pm$ 0.106 χ^2 /NDF: 3539750.4/75

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: -107.751 ± 14.546 $\chi^2/\text{NDF}: 27.0/20$

Right Out: 6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

Left In: -102.005 ± 15.266 $\chi^2/\text{NDF}: 13.3/18$

Left: -105.017 ± 10.531 $\chi^2/\text{NDF}: 40.3/39$

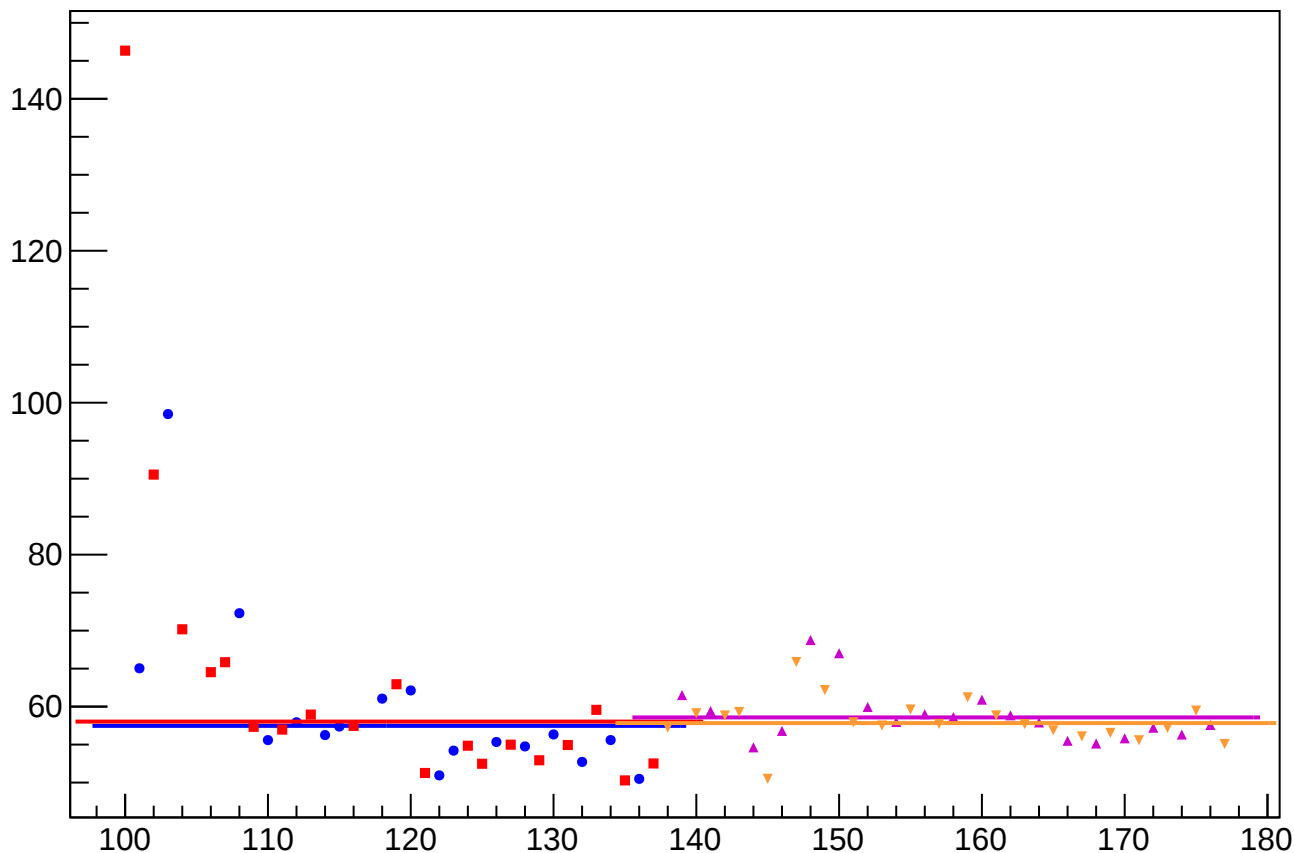
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -55.150 ± 12.644 $\chi^2/\text{NDF}: 59.4/35$

Out: -73.355 ± 12.155 $\chi^2/\text{NDF}: 65.8/39$

All: -64.612 ± 8.763 $\chi^2/\text{NDF}: 126.2/75$

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 57.831+/-0.010 χ^2/NDF : 83013.3/20

Right Out: 58.027+/-0.016 χ^2/NDF : 300788.2/18

Left In: 58.577+/-0.011 χ^2/NDF : 98237.3/18

Left: 58.186+/-0.007 χ^2/NDF : 183750.9/39

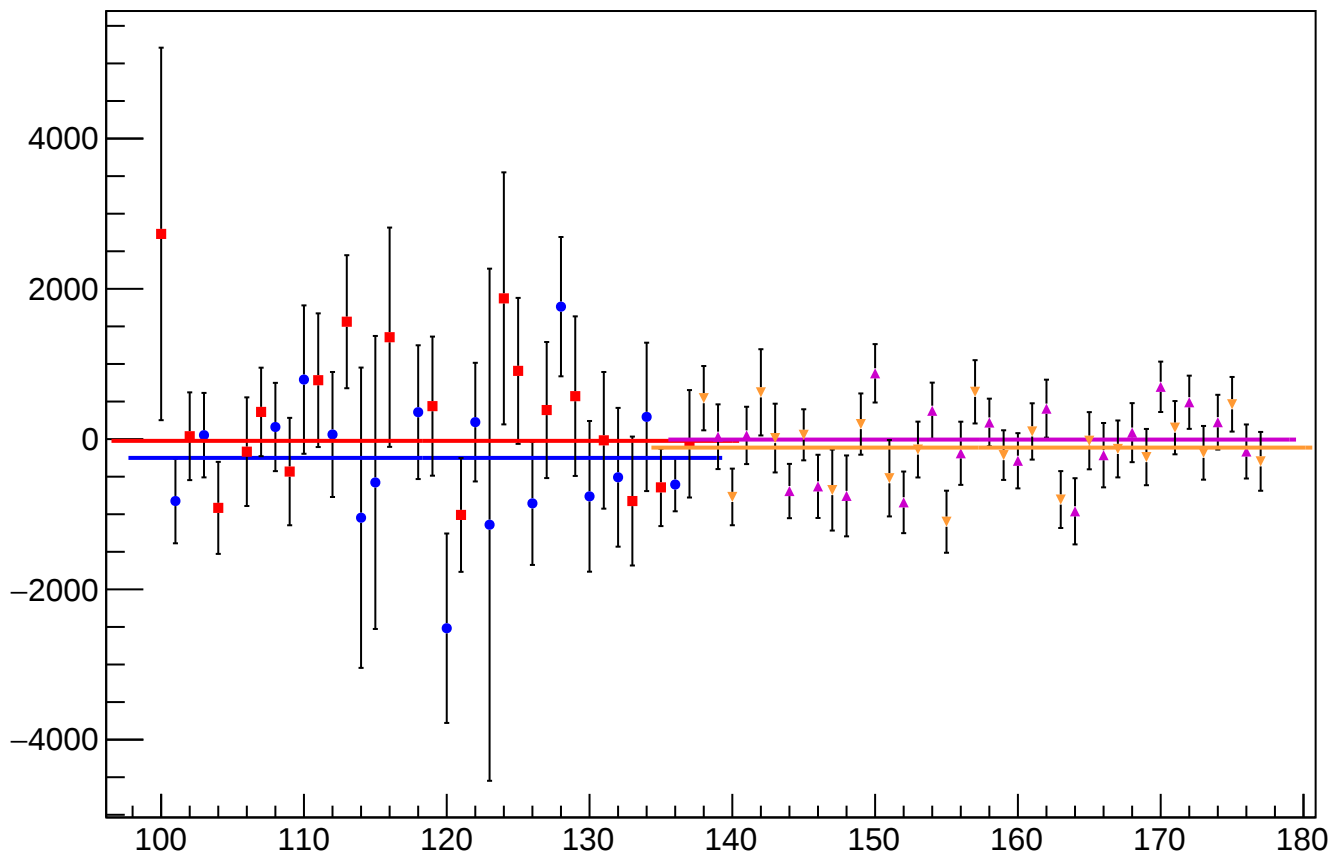
Right: 57.752+/-0.011 χ^2/NDF : 608576.3/35

In: 58.228+/-0.009 χ^2/NDF : 408721.3/35

Out: 57.890+/-0.009 χ^2/NDF : 383911.0/39

All: 58.052+/-0.006 χ^2/NDF : 793372.9/75

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: -113.108+/-86.004 χ^2/NDF : 25.8/20

Right Out: -23.314+/-181.834 χ^2/NDF : 16.1/18

Left In: -6.268+/-88.521 χ^2/NDF : 32.5/18

Left: -61.228+/-61.685 χ^2/NDF : 59.0/39

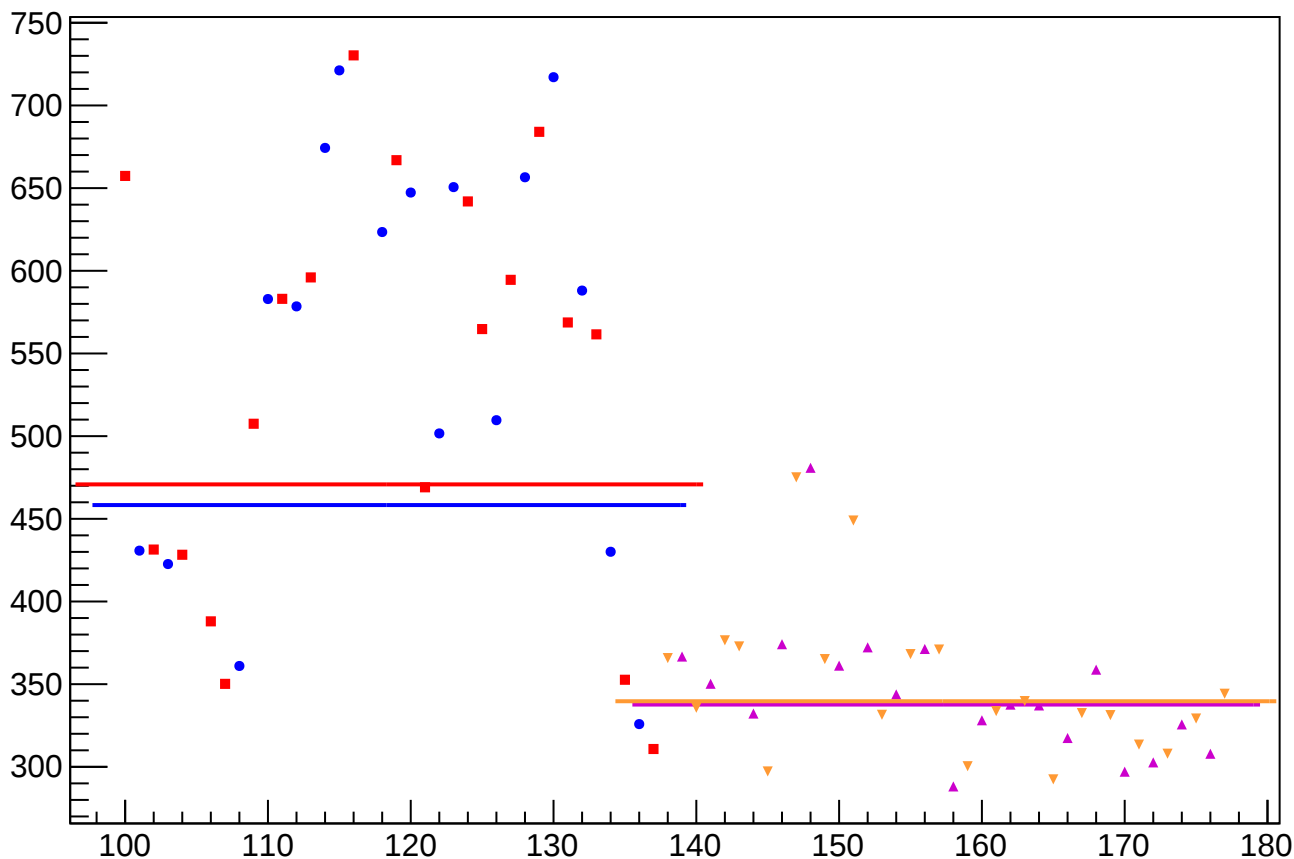
Right: -135.327+/-129.367 χ^2/NDF : 31.1/35

In: -52.067+/-79.777 χ^2/NDF : 48.2/35

Out: -96.692+/-77.746 χ^2/NDF : 42.0/39

All: -74.955+/-55.679 χ^2/NDF : 90.4/75

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 339.677+/-0.061 χ^2/NDF : 395617.3/20

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

Left In: 337.669+/-0.063 χ^2/NDF : 328001.7/18

Left: 338.702+/-0.044 χ^2/NDF : 724148.3/39

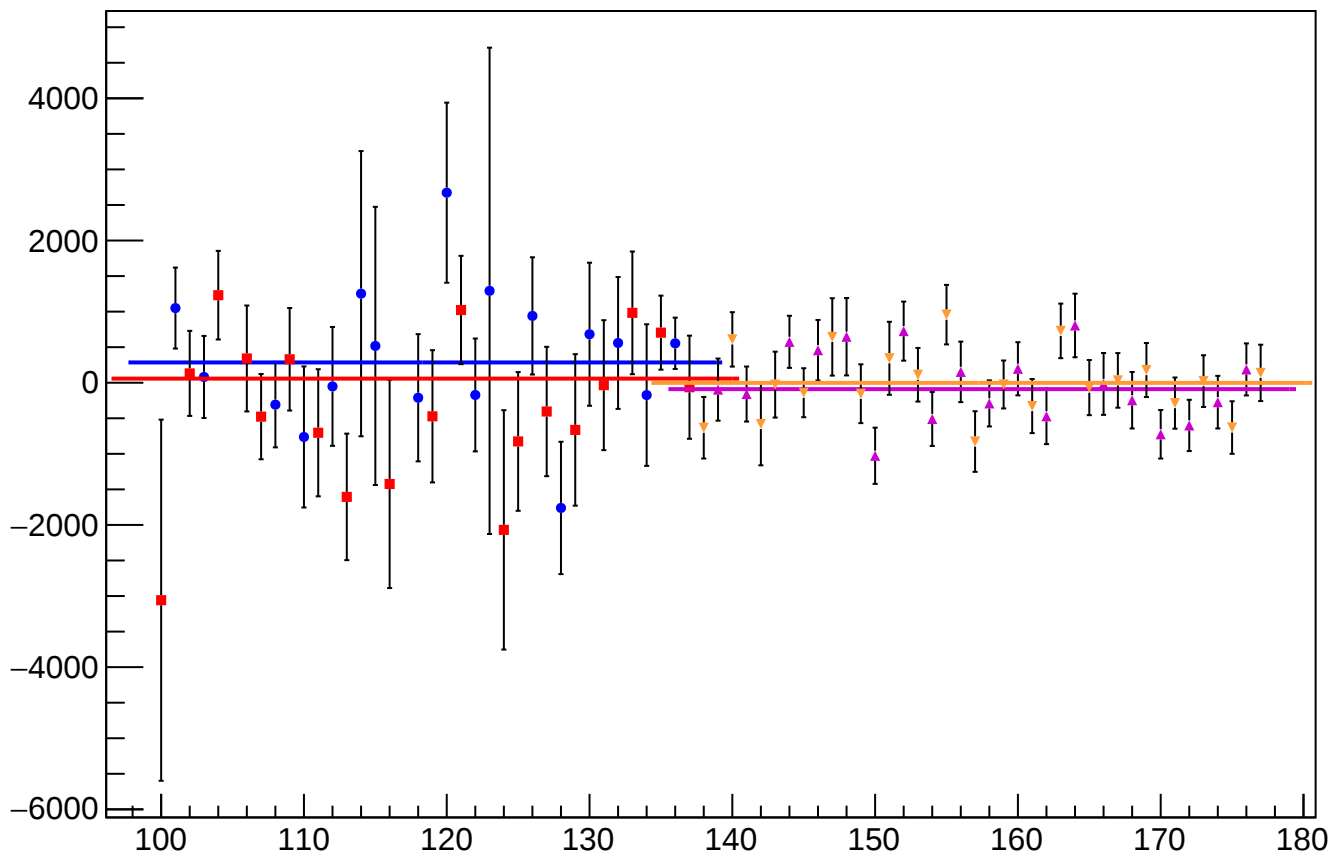
Right: 464.653+/-0.091 χ^2/NDF : 1660506.8/35

In: 360.327+/-0.056 χ^2/NDF : 1902984.4/35

Out: 363.653+/-0.055 χ^2/NDF : 2024490.5/39

All: 362.033+/-0.039 χ^2/NDF : 3929257.2/75

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 ± 186.262 $\chi^2/\text{NDF}: 15.2/16$

Left Out: -1.920 ± 87.289 $\chi^2/\text{NDF}: 25.2/20$

Right Out: 58.001 ± 184.074 $\chi^2/\text{NDF}: 19.2/18$

Left In: -89.945 ± 89.883 $\chi^2/\text{NDF}: 30.2/18$

Left: -44.644 ± 62.619 $\chi^2/\text{NDF}: 55.9/39$

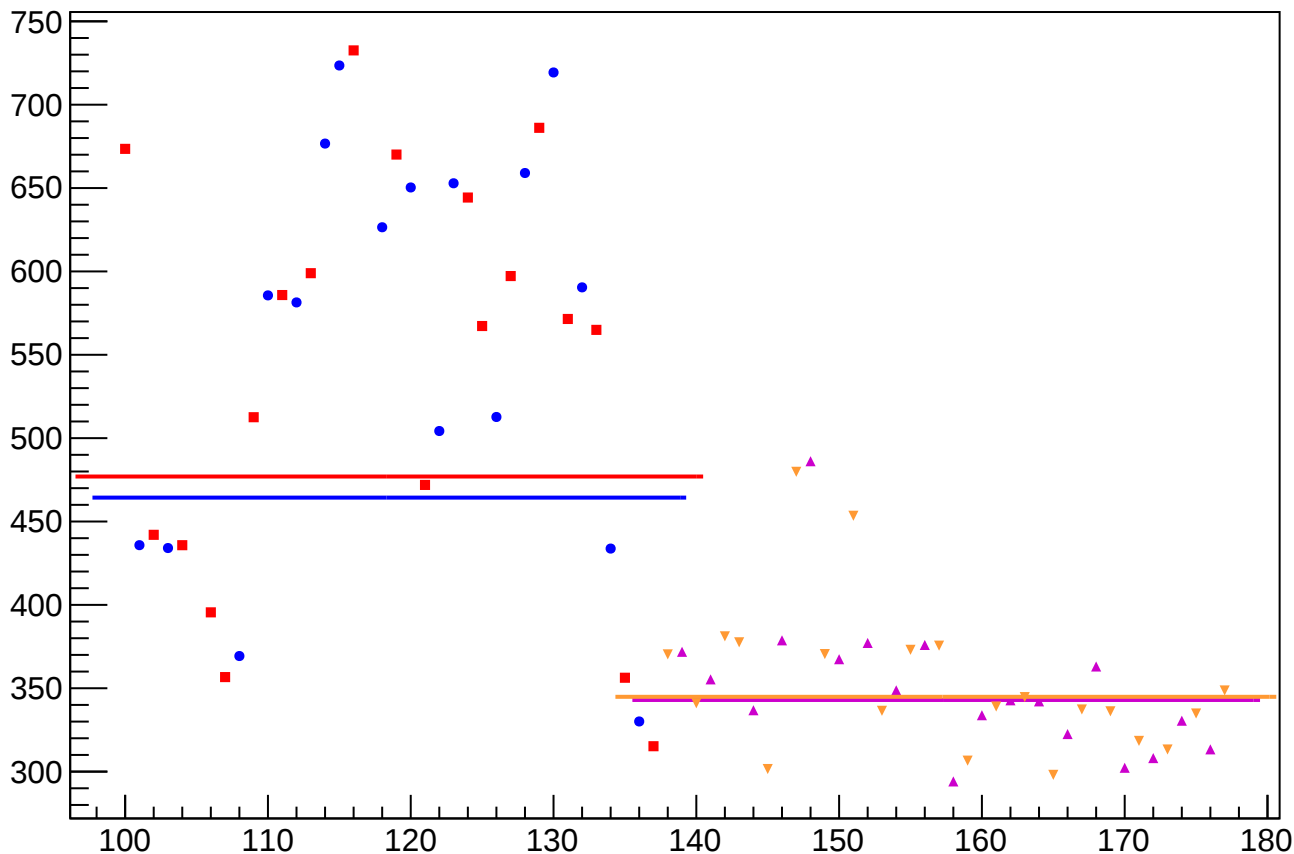
Right: 170.332 ± 130.927 $\chi^2/\text{NDF}: 35.1/35$

In: -19.059 ± 80.950 $\chi^2/\text{NDF}: 48.7/35$

Out: 9.081 ± 78.870 $\chi^2/\text{NDF}: 44.5/39$

All: -4.623 ± 56.491 $\chi^2/\text{NDF}: 93.3/75$

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: 344.863 $\pm$ 0.062 χ^2/NDF : 381777.8/20

Right Out: 476.989 $\pm$ 0.130 χ^2/NDF : 749331.1/18

Left In: 342.965 $\pm$ 0.064 χ^2/NDF : 316271.9/18

Left: 343.942 $\pm$ 0.044 χ^2/NDF : 698508.7/39

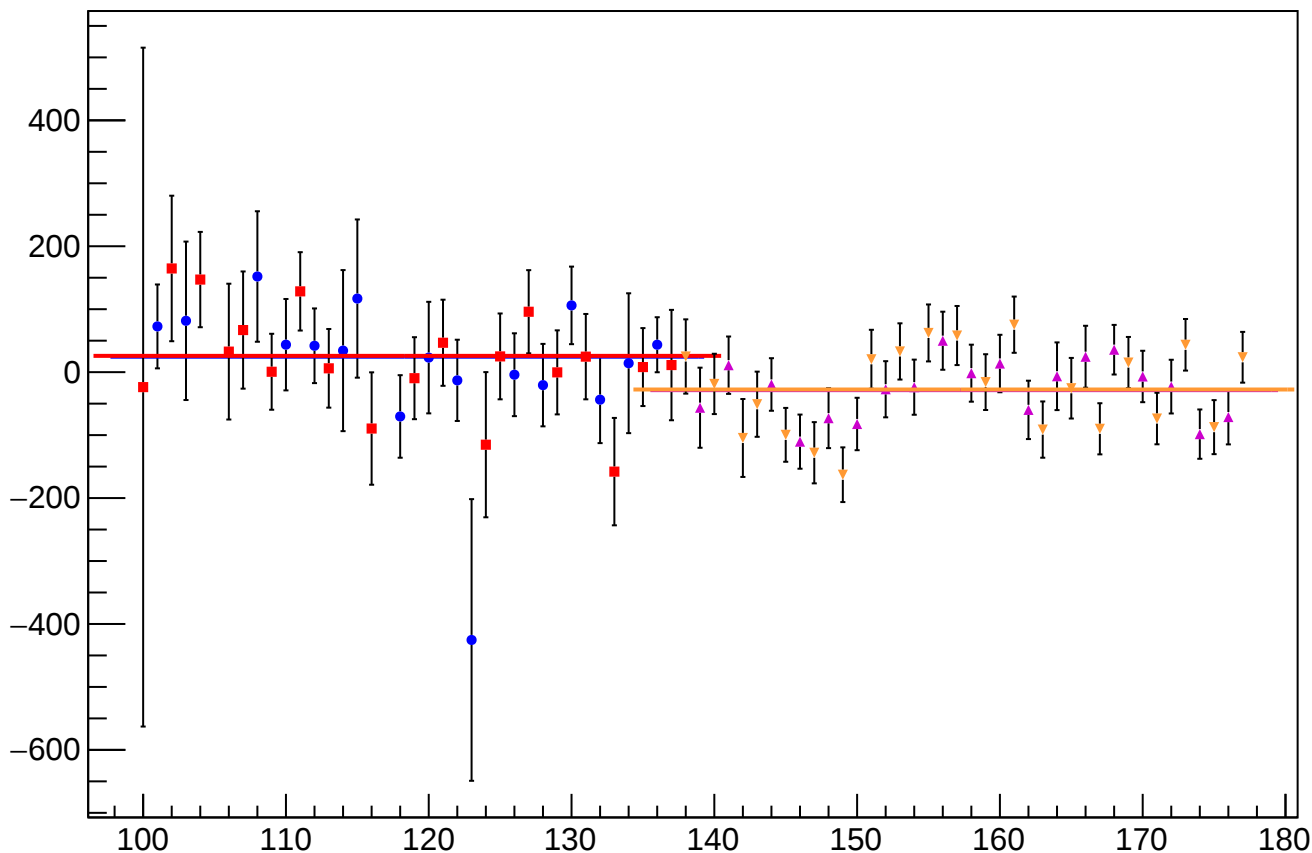
Right: 470.740 $\pm$ 0.093 χ^2/NDF : 1599897.5/35

In: 365.891 $\pm$ 0.057 χ^2/NDF : 1851028.5/35

Out: 369.120 $\pm$ 0.056 χ^2/NDF : 1972367.2/39

All: 367.547 $\pm$ 0.040 χ^2/NDF : 3825028.3/75

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -27.558 $\pm$ 9.872 χ^2 /NDF:48.3/20

Right Out: 25.884 $\pm$ 17.386 χ^2 /NDF: 16.8/18

Left In: -28.554 $\pm$ 10.247 χ^2 /NDF:20.2/18

Left: -28.037 $\pm$ 7.109 χ^2 /NDF: 68.4/39

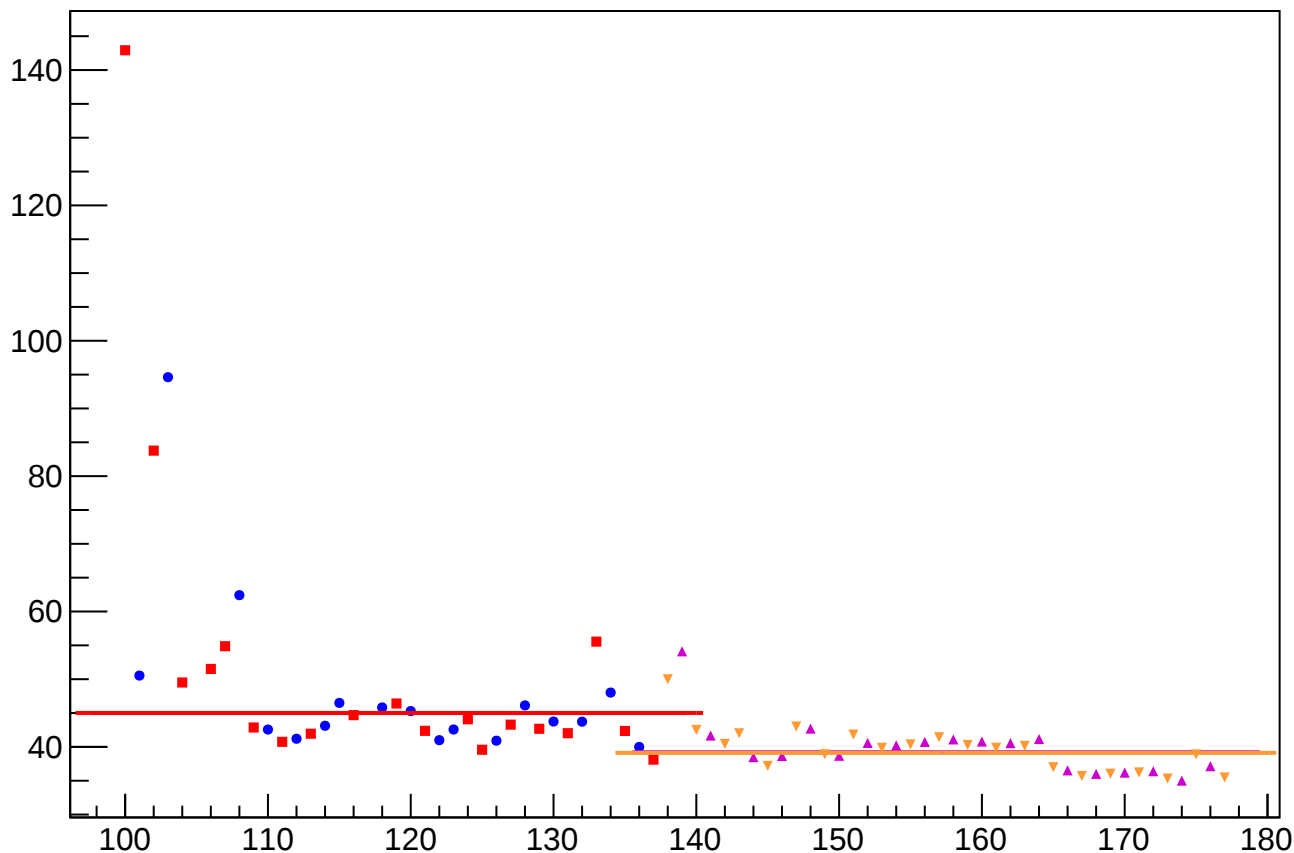
Right: 25.251 $\pm$ 12.451 χ^2 /NDF: 29.8/35

In: -15.370 $\pm$ 8.885 χ^2 /NDF:39.9/35

Out: -14.529 $\pm$ 8.585 χ^2 /NDF:72.2/39

All: -14.935 $\pm$ 6.174 χ^2 /NDF: 112.1/75

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 39.123 $\pm$ 0.007 χ^2 /NDF: 191620.9/20

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

Left In: 39.209 $\pm$ 0.007 χ^2 /NDF: 209033.9/18

Left: 39.164 $\pm$ 0.005 χ^2 /NDF: 400727.5/39

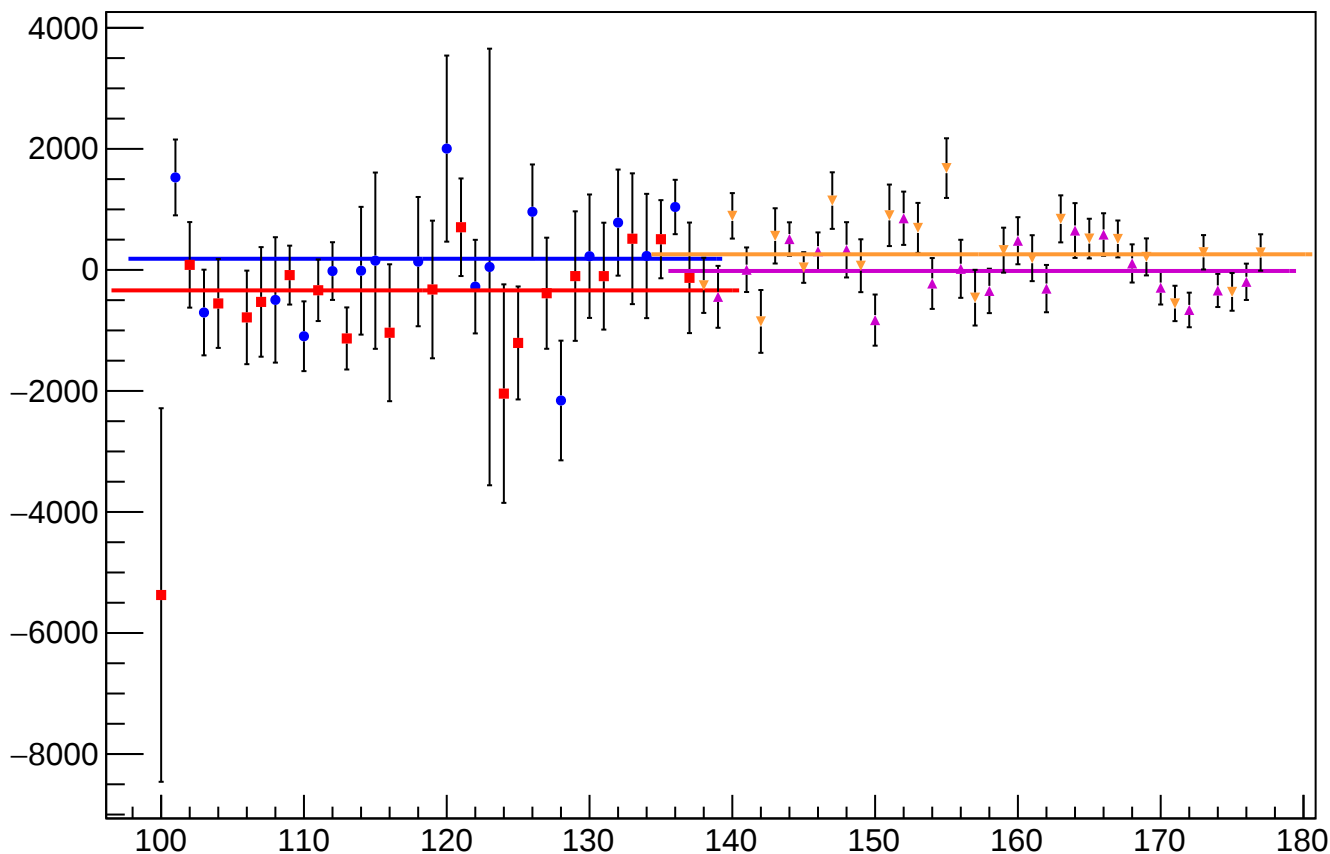
Right: 45.009 $\pm$ 0.009 χ^2 /NDF: 853862.6/35

In: 40.646 $\pm$ 0.006 χ^2 /NDF: 805940.1/35

Out: 40.560 $\pm$ 0.006 χ^2 /NDF: 780949.0/39

All: 40.601 $\pm$ 0.004 χ^2 /NDF: 1586985.7/75

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184+/-188.558 χ^2/NDF : 24.2/16

Left Out: 258.051+/-78.713 χ^2/NDF :42.6/20

Right Out: -338.329+/-179.381 χ^2/NDF : 12.5/18

Left In: -17.510+/-80.772 χ^2/NDF :29.9/18

Left: 123.828+/-56.372 χ^2/NDF : 78.5/39

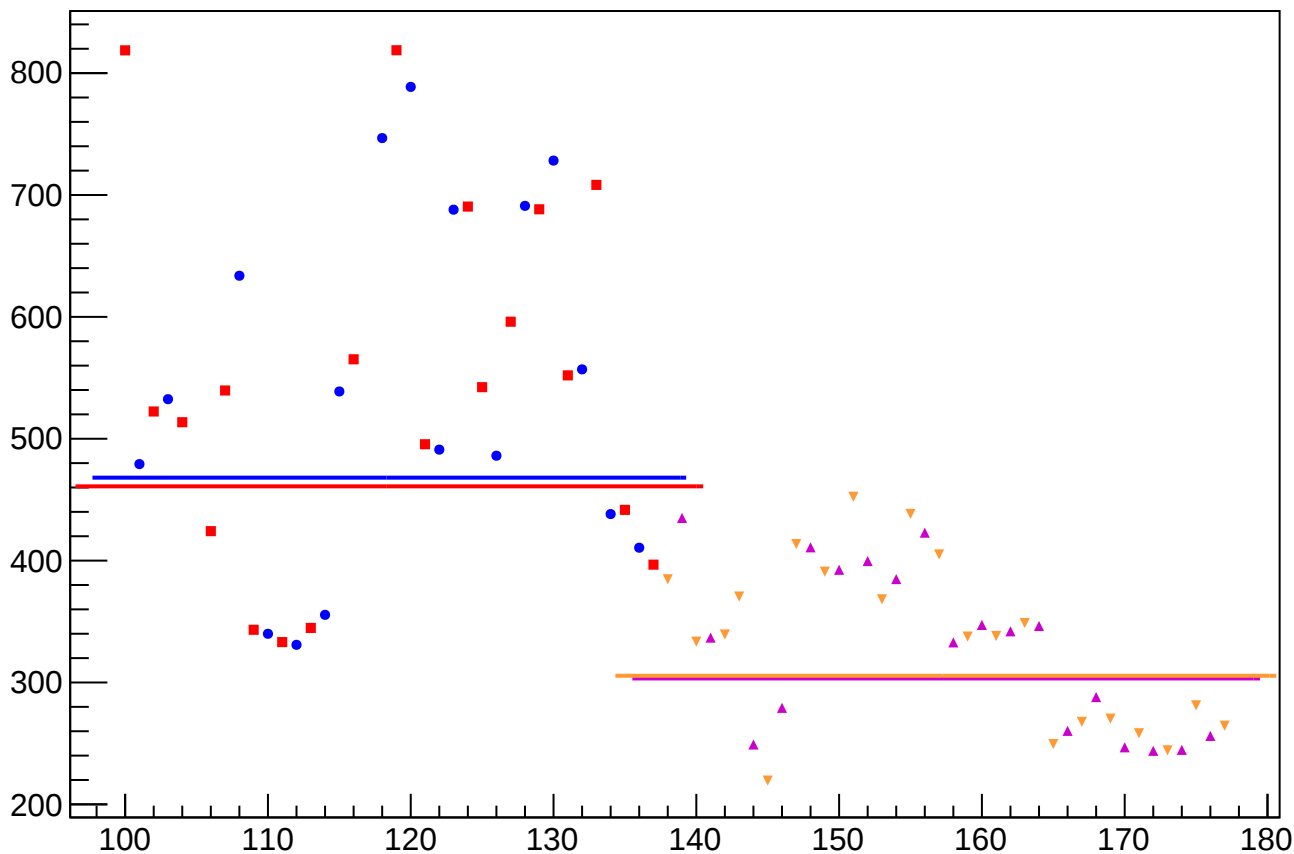
Right: -90.096+/-129.965 χ^2/NDF : 40.7/35

In: 13.762+/-74.247 χ^2/NDF :55.1/35

Out: 161.760+/-72.079 χ^2/NDF :64.3/39

All: 89.953+/-51.717 χ^2/NDF : 121.5/75

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: 305.512 $\pm$ 0.056 χ^2/NDF :1350893.3/20

Right Out: 460.939 $\pm$ 0.127 χ^2/NDF : 955028.5/18

Left In: 303.307 $\pm$ 0.057 χ^2/NDF :1153537.7/18

Left: 304.438 $\pm$ 0.040 χ^2/NDF : 2505195.2/39

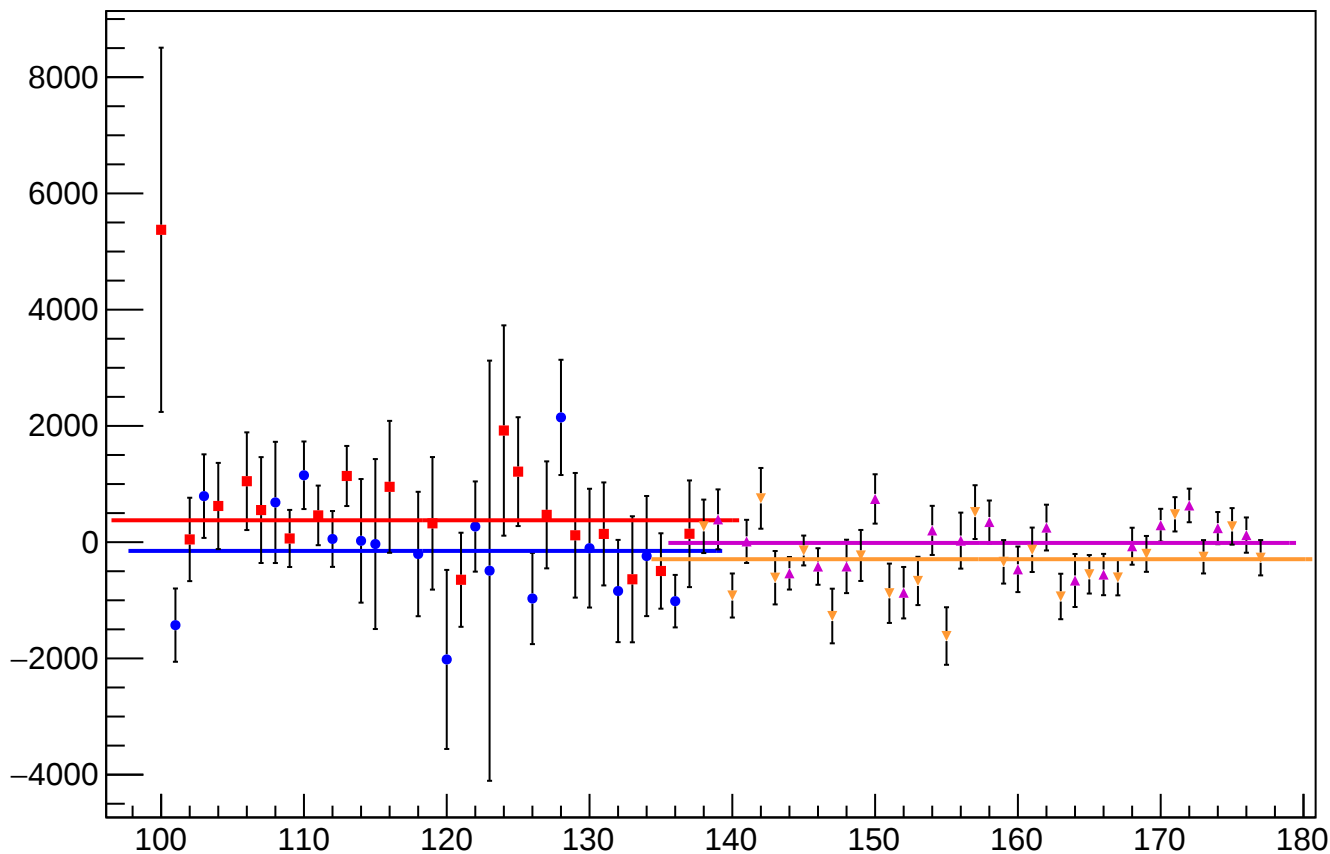
Right: 464.328 $\pm$ 0.092 χ^2/NDF : 1836849.7/35

In: 328.854 $\pm$ 0.053 χ^2/NDF :3324175.2/35

Out: 330.607 $\pm$ 0.051 χ^2/NDF :3565005.5/39

All: 329.756 $\pm$ 0.037 χ^2/NDF : 6889755.0/75

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305+/-189.729 χ^2 /NDF: 24.2/16

Left Out: -292.908+/-79.399 χ^2 /NDF:40.5/20

Right Out: 376.554+/-181.258 χ^2 /NDF: 12.4/18

Left In: -13.115+/-81.489 χ^2 /NDF:28.0/18

Left: -156.645+/-56.868 χ^2 /NDF: 74.6/39

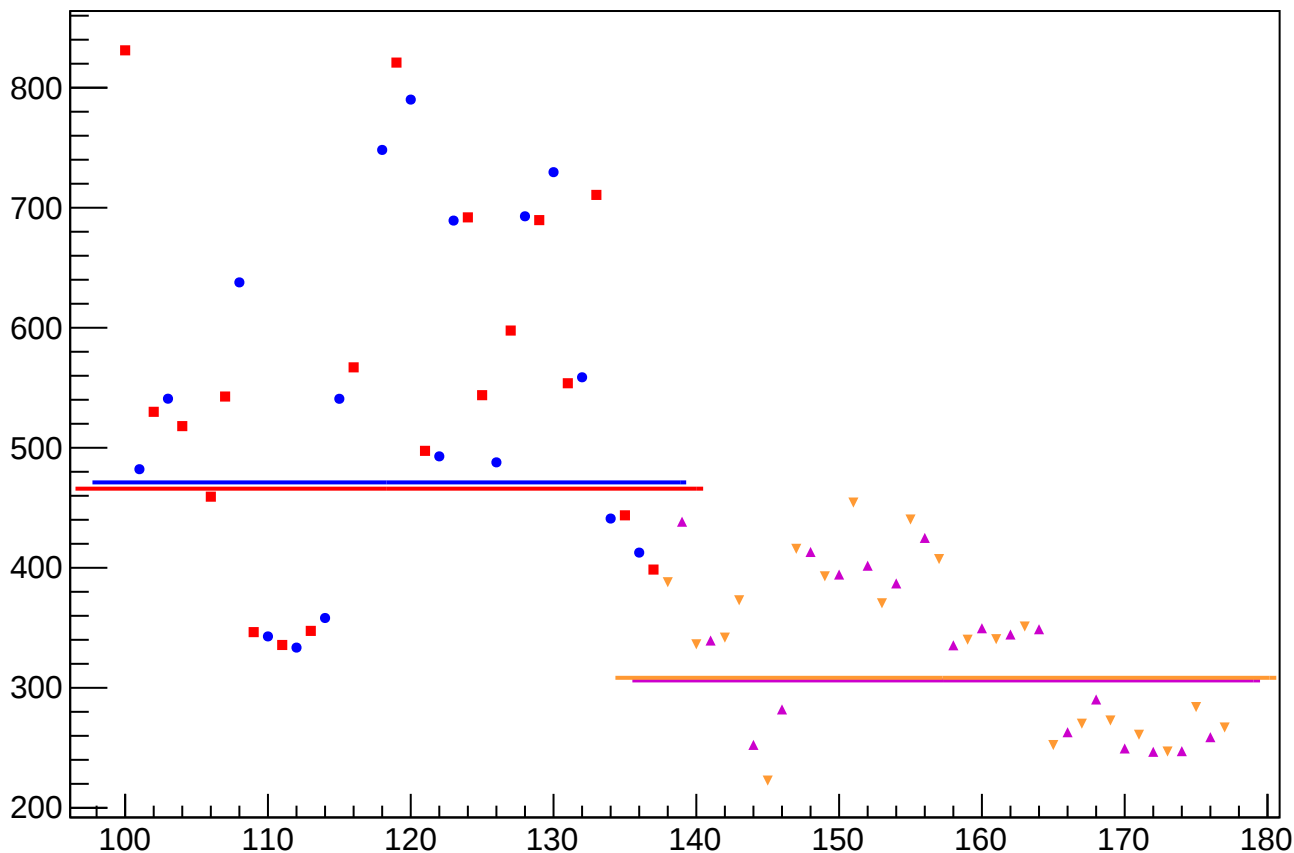
Right: 125.150+/-131.061 χ^2 /NDF: 40.7/35

In: -34.481+/-74.875 χ^2 /NDF:52.7/35

Out: -185.130+/-72.727 χ^2 /NDF:64.3/39

All: -111.997+/-52.169 χ^2 /NDF: 119.1/75

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 308.346+/-0.056 χ^2/NDF :1320901.7/20

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

Left In: 306.159+/-0.058 χ^2/NDF :1128819.5/18

Left: 307.281+/-0.040 χ^2/NDF : 2450460.2/39

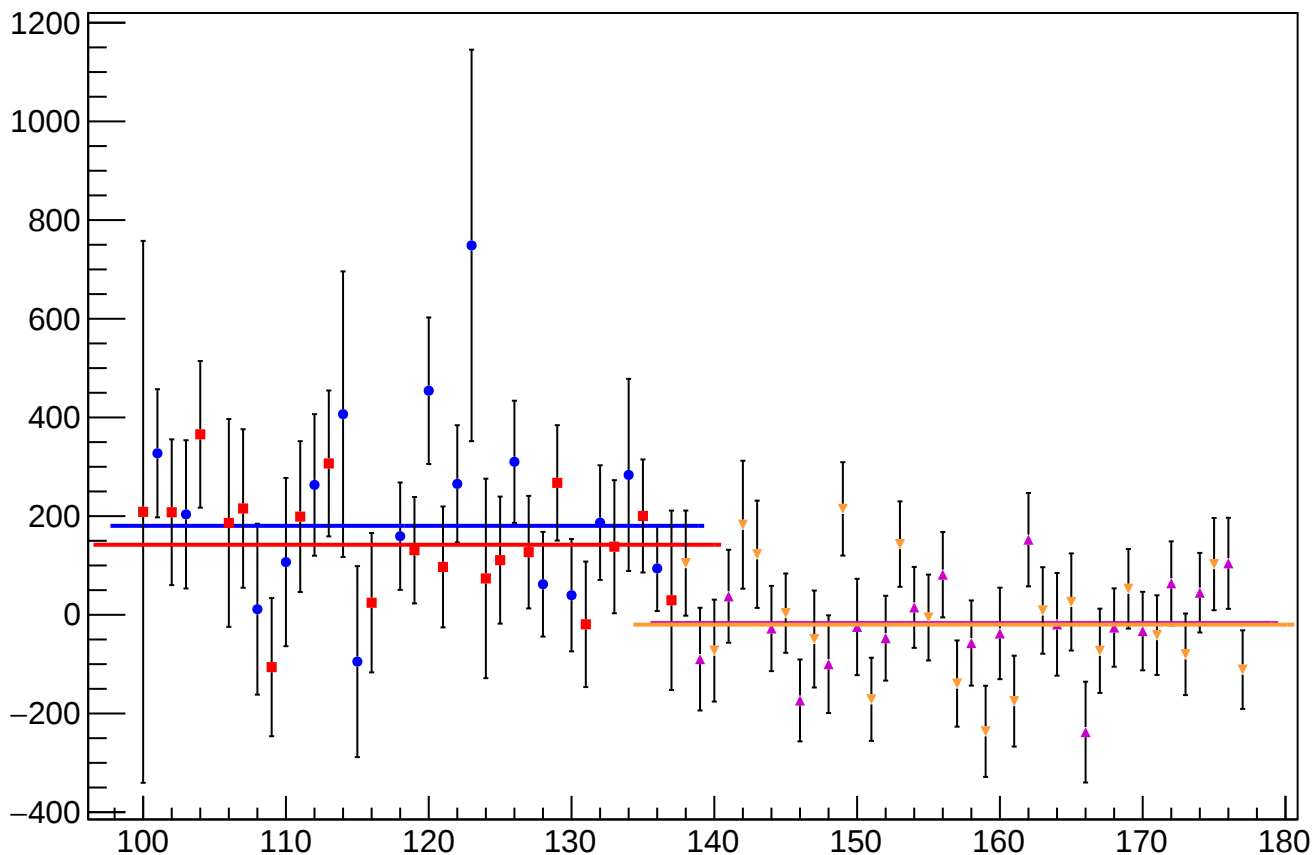
Right: 468.427+/-0.093 χ^2/NDF : 1813145.9/35

In: 331.856+/-0.053 χ^2/NDF :3277656.6/35

Out: 333.716+/-0.051 χ^2/NDF :3529831.5/39

All: 332.813+/-0.037 χ^2/NDF : 6808123.7/75

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326+/-32.769 χ^2/NDF : 16.6/16

Left Out: -19.871+/-19.746 χ^2/NDF : 34.3/20

Right Out: 142.040+/-32.338 χ^2/NDF : 11.7/18

Left In: -16.770+/-20.477 χ^2/NDF : 18.1/18

Left: -18.377+/-14.214 χ^2/NDF : 52.4/39

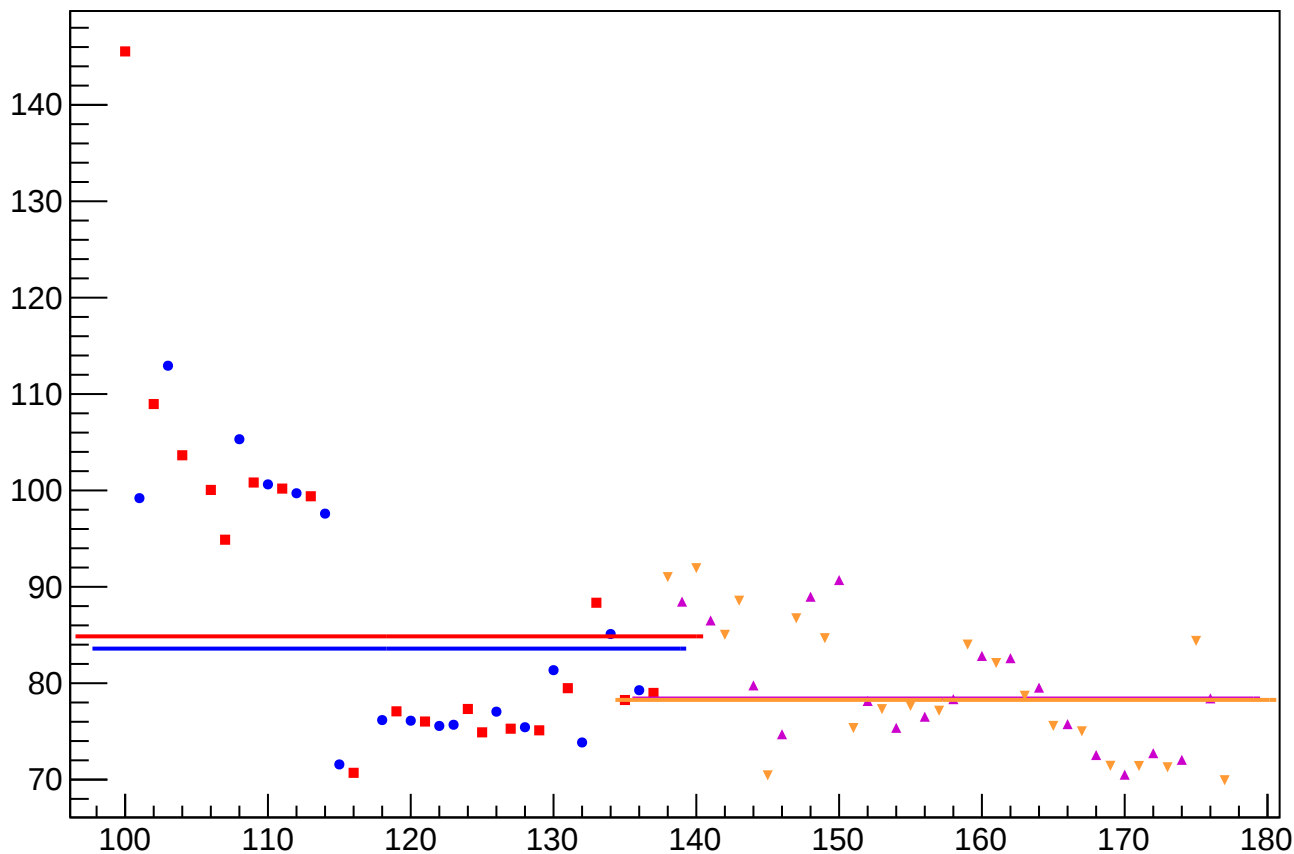
Right: 160.930+/-23.017 χ^2/NDF : 28.9/35

In: 38.578+/-17.365 χ^2/NDF : 60.7/35

Out: 24.103+/-16.853 χ^2/NDF : 64.2/39

All: 31.124+/-12.094 χ^2/NDF : 125.2/75

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 78.270 $\pm$ 0.014 χ^2 /NDF: 222287.1/20

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

Left In: 78.413 $\pm$ 0.014 χ^2 /NDF: 158106.5/18

Left: 78.339 $\pm$ 0.010 χ^2 /NDF: 380444.6/39

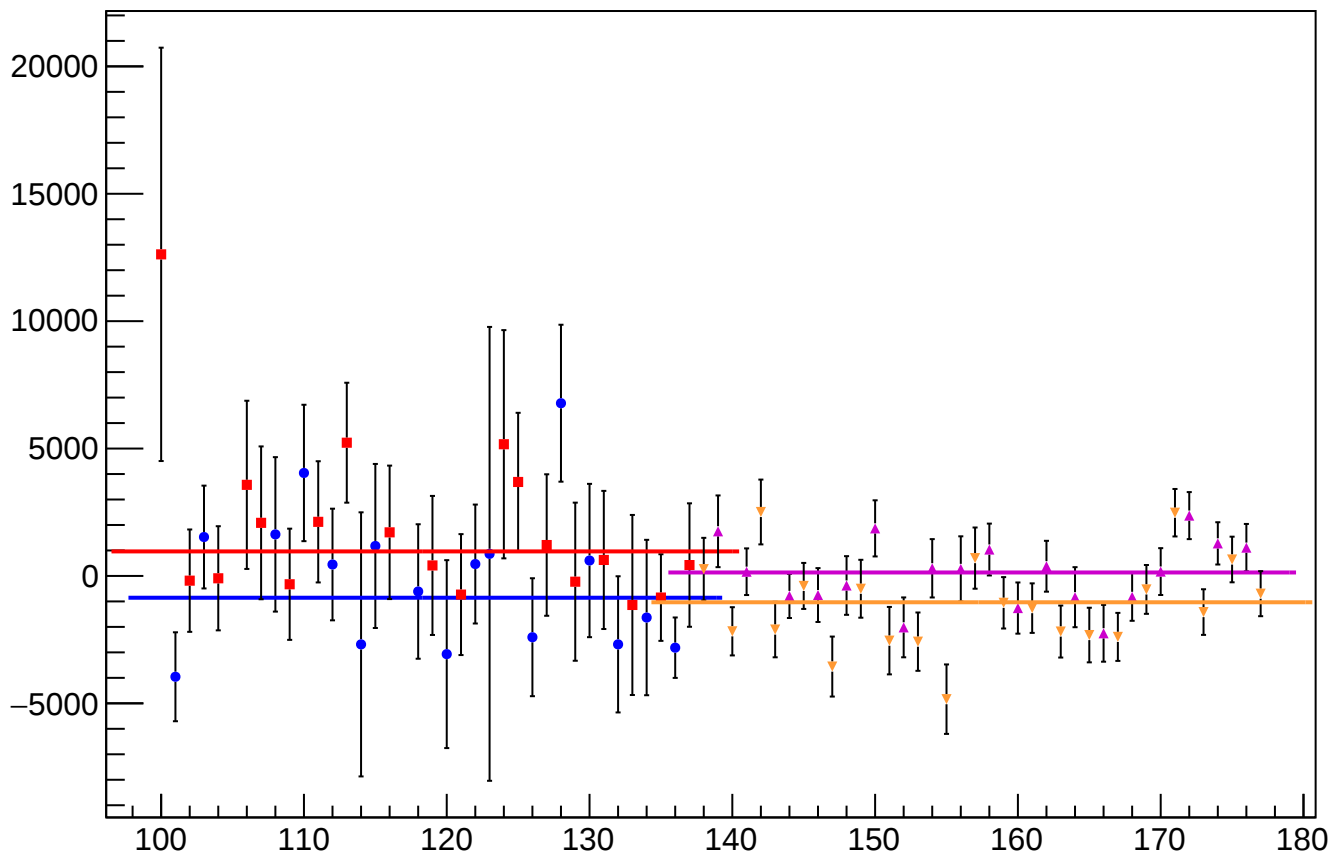
Right: 84.234 $\pm$ 0.016 χ^2 /NDF: 548050.9/35

In: 79.867 $\pm$ 0.012 χ^2 /NDF: 449934.8/35

Out: 80.060 $\pm$ 0.012 χ^2 /NDF: 573420.1/39

All: 79.966 $\pm$ 0.009 χ^2 /NDF: 1023481.6/75

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: -1033.474 $\pm$ 226.220 χ^2 /NDF:52.8/20

Right Out: 962.932 $\pm$ 589.071 χ^2 /NDF: 11.5/18

Left In: 136.000 $\pm$ 234.491 χ^2 /NDF:27.1/18

Left: -469.726 $\pm$ 162.807 χ^2 /NDF: 92.8/39

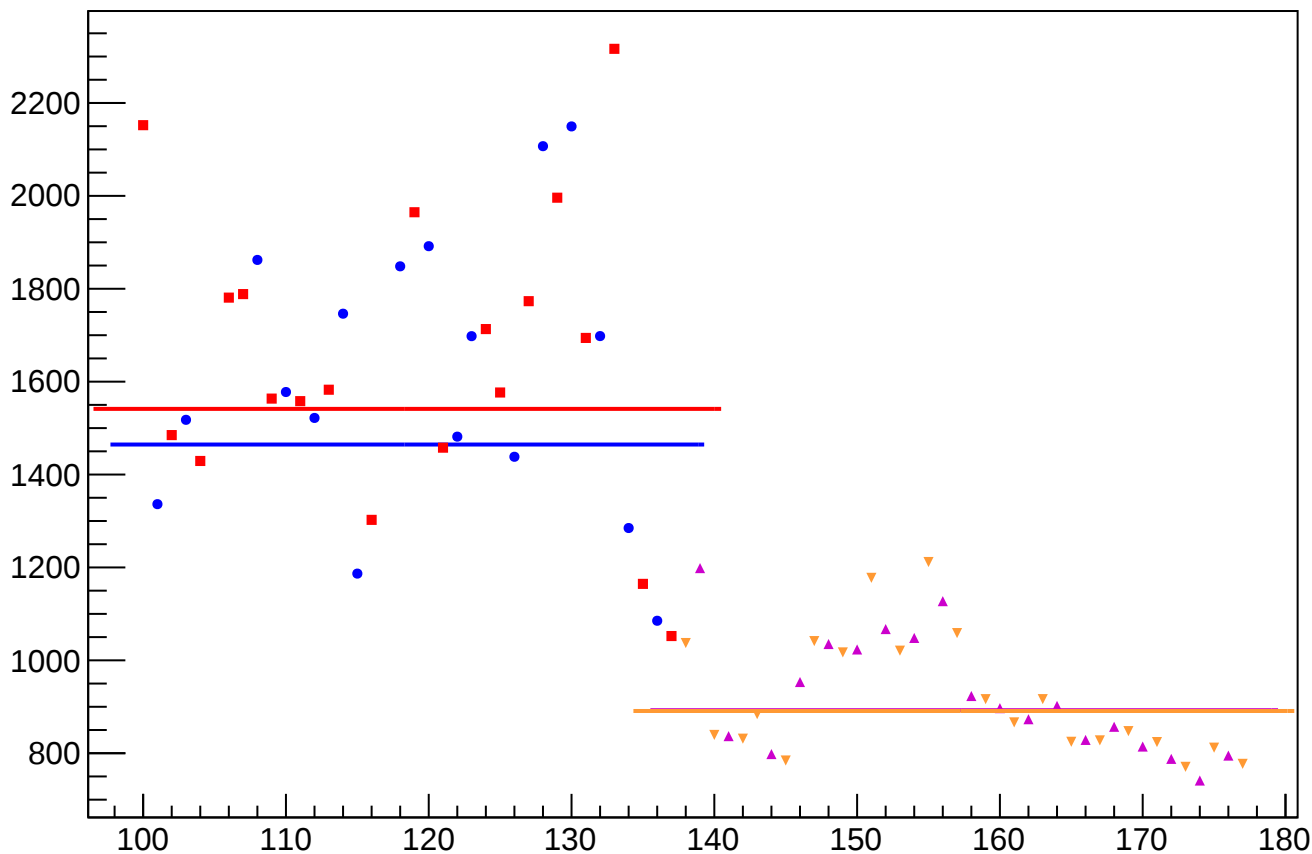
Right: 44.847 $\pm$ 414.477 χ^2 /NDF: 36.6/35

In: -1.921 $\pm$ 217.568 χ^2 /NDF:49.9/35

Out: -776.889 $\pm$ 211.183 χ^2 /NDF:74.3/39

All: -400.944 $\pm$ 151.536 χ^2 /NDF: 130.8/75

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636+/-0.412 χ^2/NDF : 560863.4/16

Left Out: 890.957+/-0.160 χ^2/NDF : 512891.0/20

Right Out: 1541.388+/-0.417 χ^2/NDF : 453710.5/18

Left In: 892.687+/-0.166 χ^2/NDF : 480707.4/18

Left: 891.791+/-0.115 χ^2/NDF : 993654.8/39

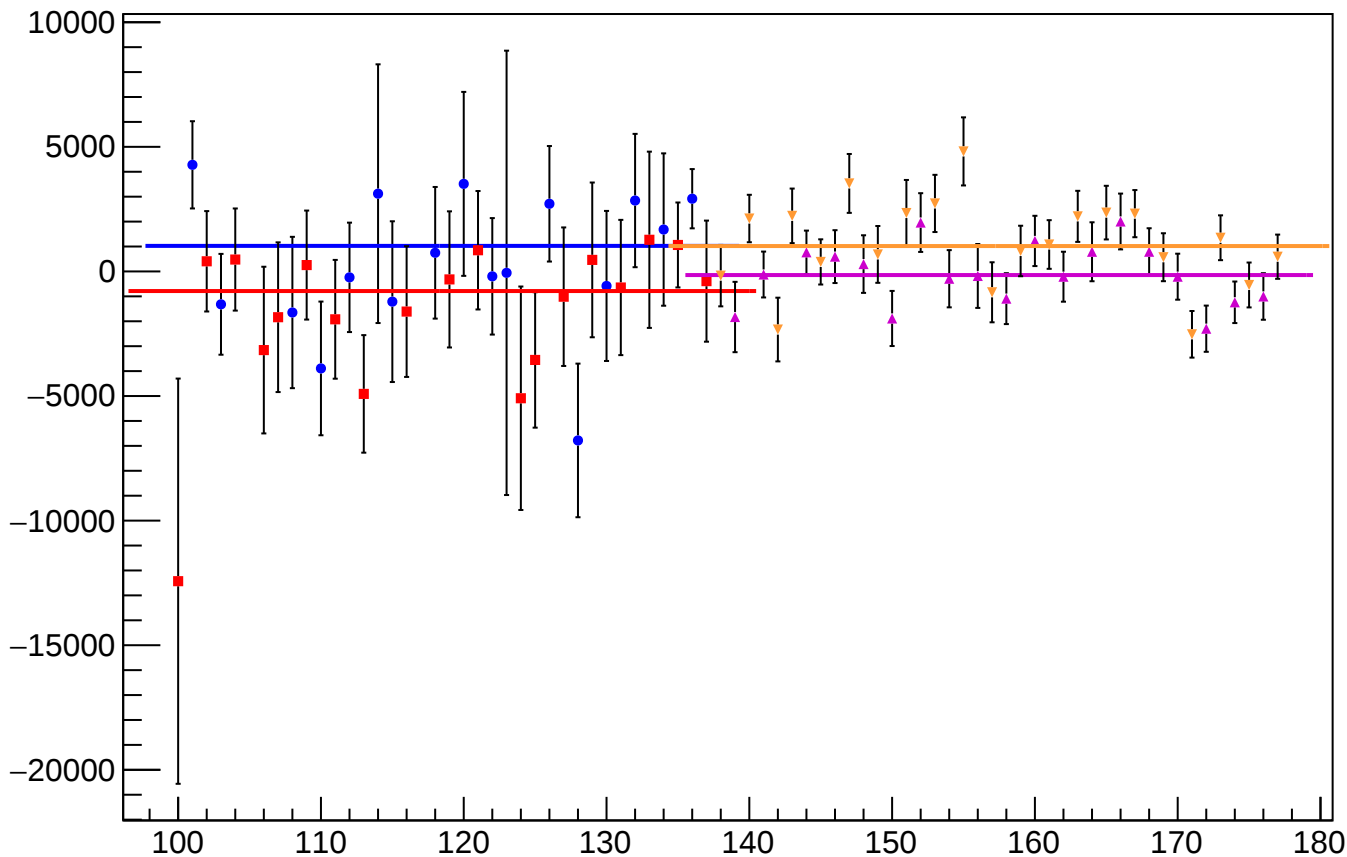
Right: 1502.634+/-0.293 χ^2/NDF : 1031717.7/35

In: 972.262+/-0.154 χ^2/NDF : 2697007.6/35

Out: 974.553+/-0.149 χ^2/NDF : 3091572.3/39

All: 973.442+/-0.107 χ^2/NDF : 5788694.0/75

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527+/-584.500 χ^2/NDF : 20.9/16

Left Out: 1018.619+/-227.157 χ^2/NDF : 51.6/20

Right Out: -787.007+/-590.388 χ^2/NDF : 11.2/18

Left In: -145.383+/-235.451 χ^2/NDF : 24.8/18

Left: 457.481+/-163.478 χ^2/NDF : 89.0/39

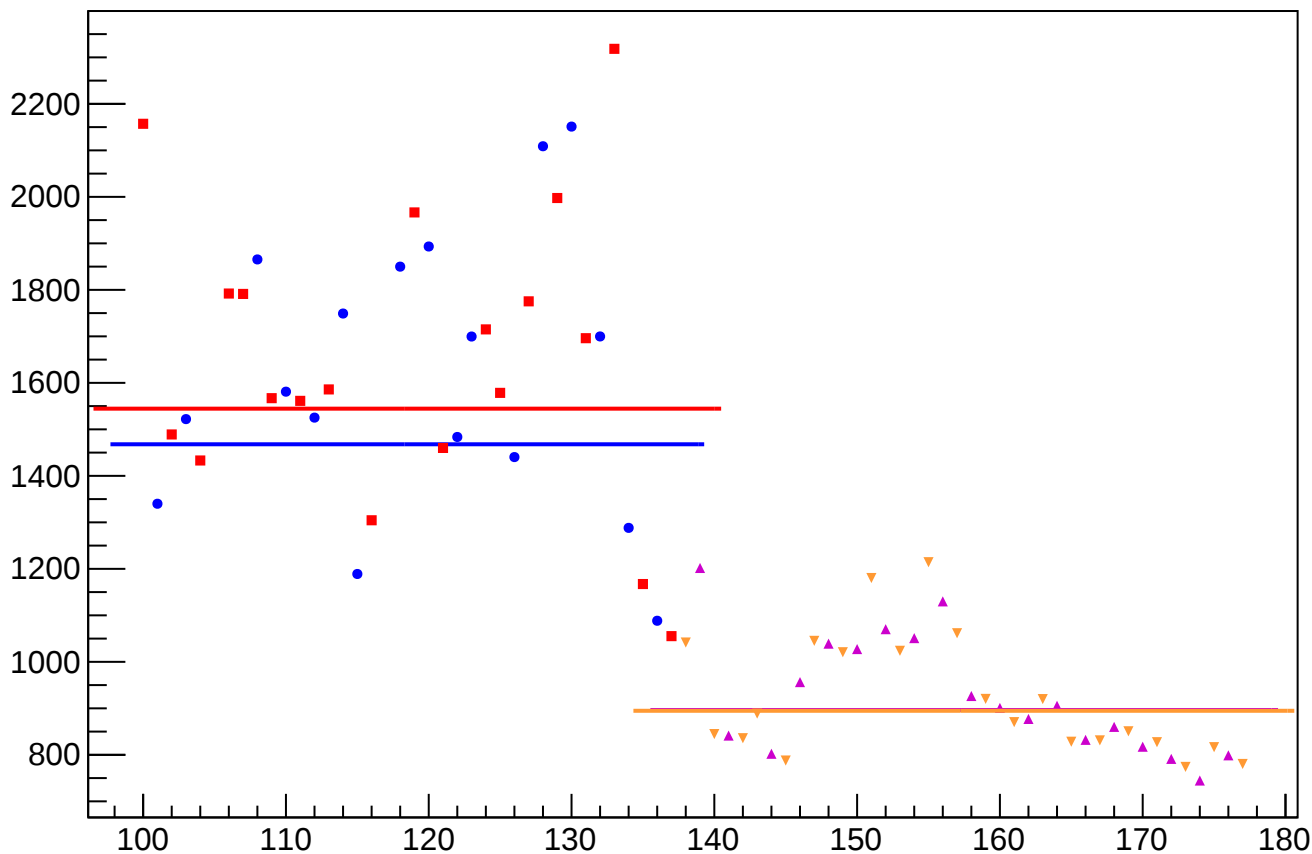
Right: 128.343+/-415.370 χ^2/NDF : 36.9/35

In: 18.092+/-218.397 χ^2/NDF : 49.2/35

Out: 785.784+/-212.006 χ^2/NDF : 70.9/39

All: 413.336+/-152.120 χ^2/NDF : 126.5/75

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 894.753+/-0.161 χ^2/NDF : 507923.6/20

Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

Left In: 896.440+/-0.166 χ^2/NDF : 475784.1/18

Left: 895.566+/-0.116 χ^2/NDF : 983760.9/39

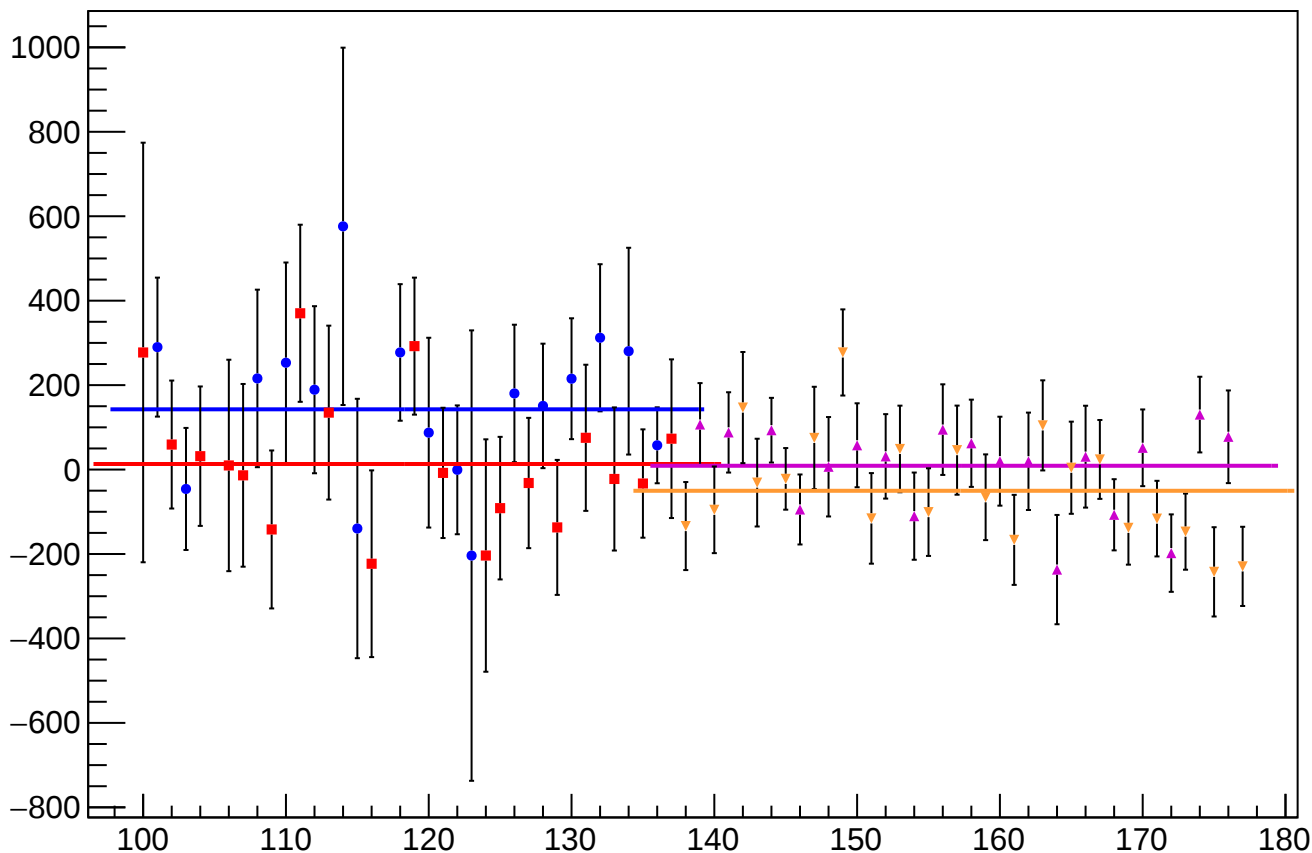
Right: 1505.825+/-0.294 χ^2/NDF : 1026270.9/35

In: 976.224+/-0.154 χ^2/NDF : 2678128.3/35

Out: 978.539+/-0.150 χ^2/NDF : 3069839.4/39

All: 977.416+/-0.108 χ^2/NDF : 5748083.5/75

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: -50.258 $\pm$ 21.784 χ^2 /NDF:30.9/20

Right Out: 13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

Left In: 8.985 $\pm$ 22.588 χ^2 /NDF:20.1/18

Left: -21.710 $\pm$ 15.680 χ^2 /NDF: 54.5/39

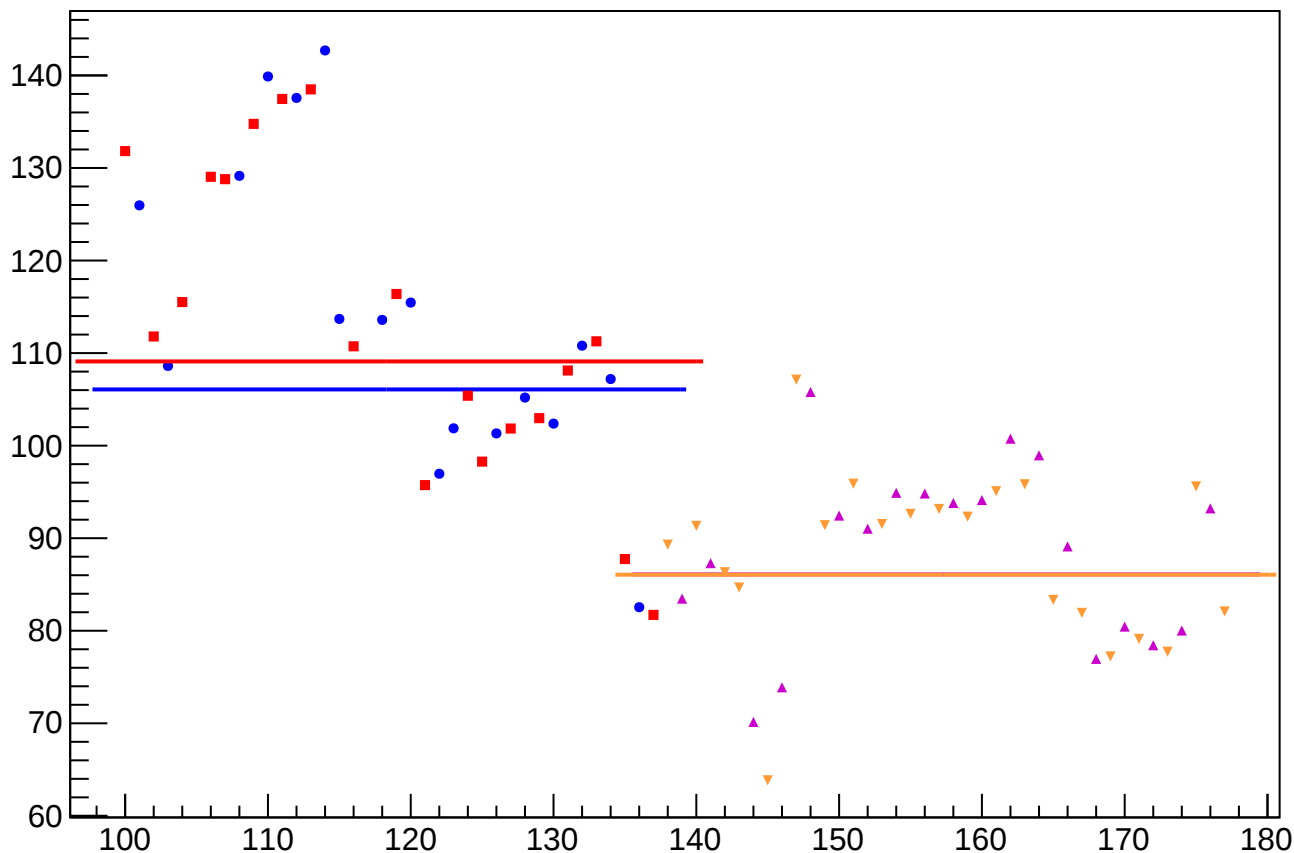
Right: 77.572 $\pm$ 29.352 χ^2 /NDF: 25.0/35

In: 39.400 $\pm$ 19.853 χ^2 /NDF:37.4/35

Out: -36.501 $\pm$ 19.278 χ^2 /NDF:43.5/39

All: 0.333 $\pm$ 13.830 χ^2 /NDF: 88.4/75

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 86.057 $\pm$ 0.015 χ^2 /NDF:411788.8/20

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

Left In: 86.089 $\pm$ 0.016 χ^2 /NDF:367355.5/18

Left: 86.073 $\pm$ 0.011 χ^2 /NDF: 779146.2/39

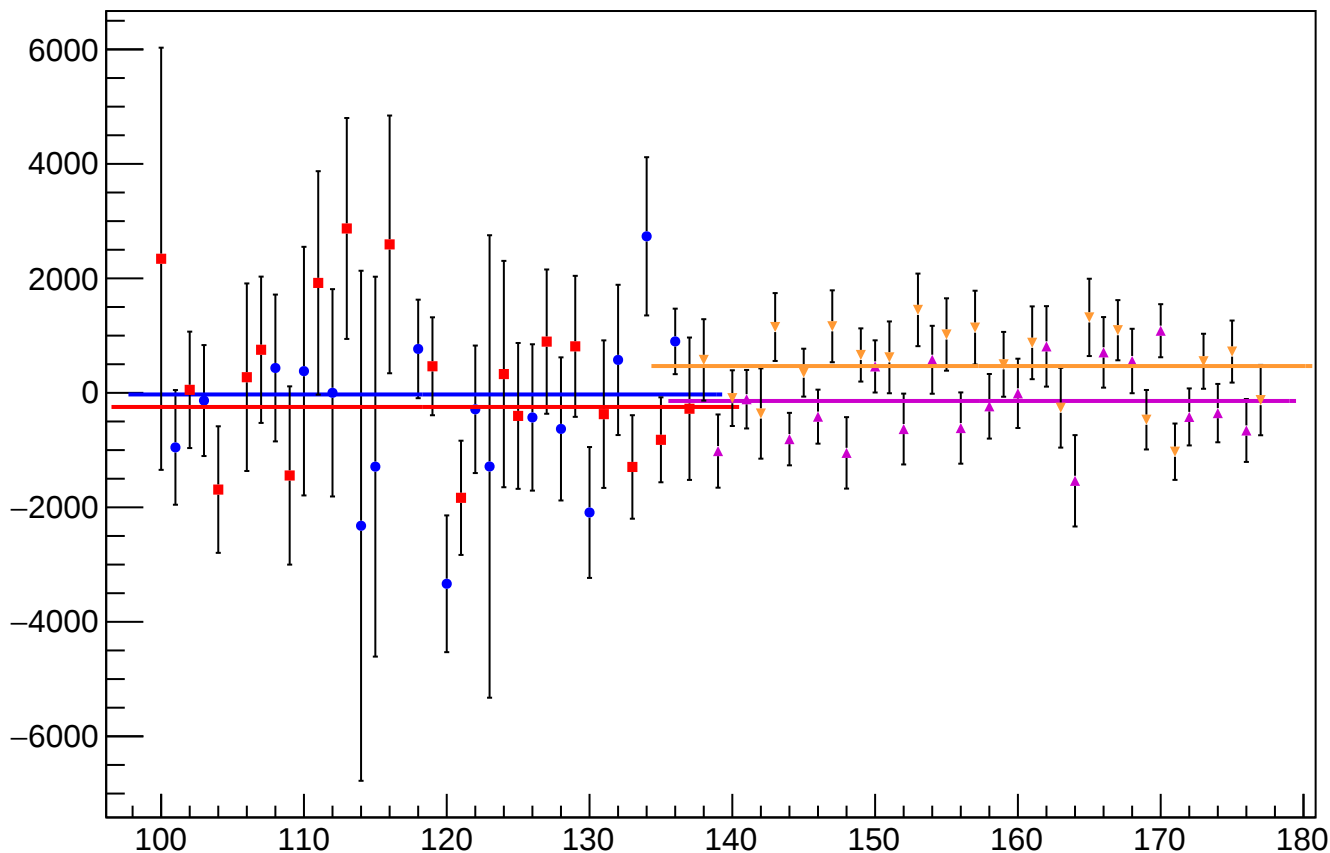
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 90.635 $\pm$ 0.014 χ^2 /NDF:1041408.4/35

Out: 91.055 $\pm$ 0.014 χ^2 /NDF:1182497.8/39

All: 90.851 $\pm$ 0.010 χ^2 /NDF: 2224366.0/75

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969+/-283.741 χ^2/NDF : 20.5/16

Left Out: 468.424+/-123.901 χ^2/NDF : 27.7/20

Right Out: -246.386+/-279.451 χ^2/NDF : 15.9/18

Left In: -141.572+/-126.968 χ^2/NDF : 27.6/18

Left: 170.883+/-88.676 χ^2/NDF : 67.2/39

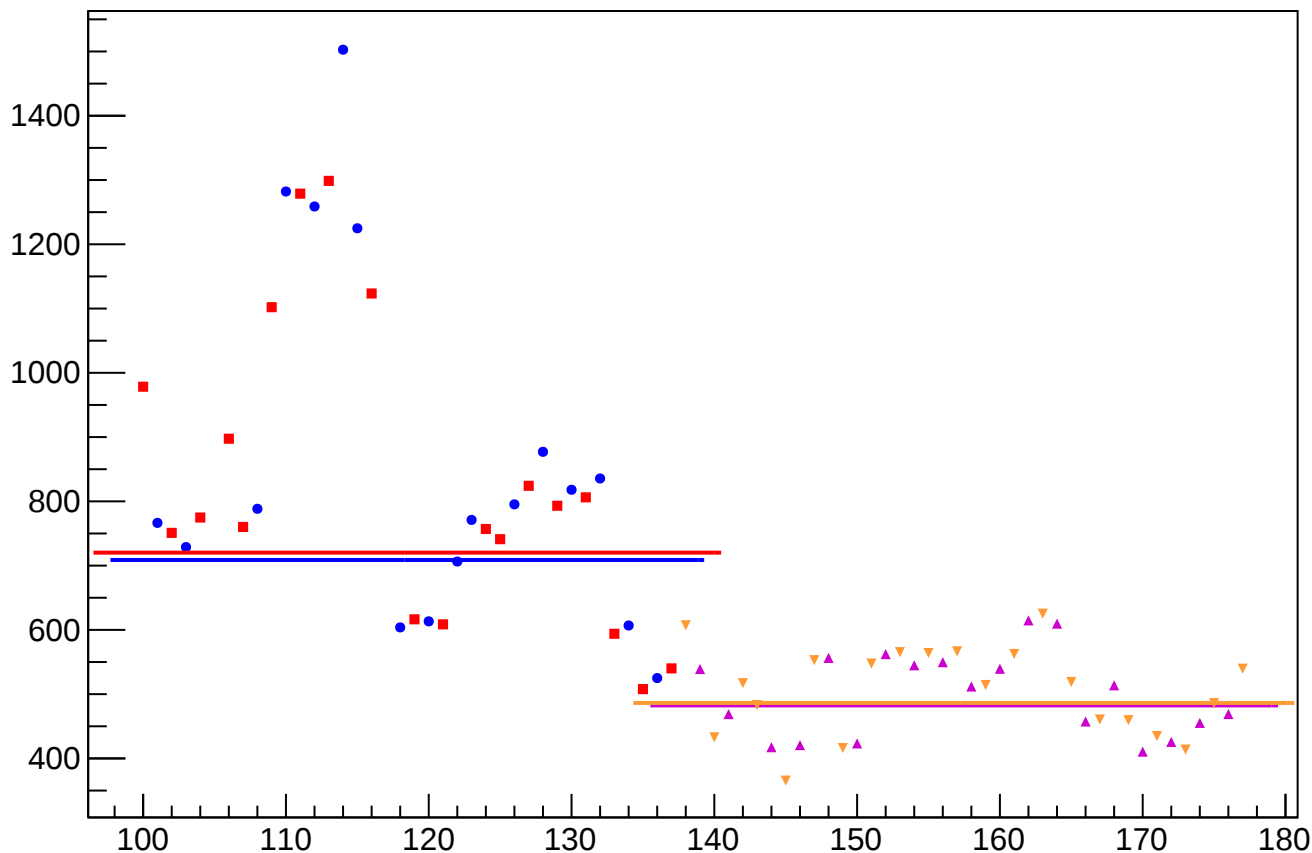
Right: -138.842+/-199.101 χ^2/NDF : 36.7/35

In: -122.620+/-115.894 χ^2/NDF : 48.3/35

Out: 350.992+/-113.267 χ^2/NDF : 49.1/39

All: 119.615+/-81.005 χ^2/NDF : 105.9/75

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: 486.344 $\pm$ 0.088 χ^2 /NDF: 641531.8/20

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

Left In: 482.486 $\pm$ 0.090 χ^2 /NDF: 467508.0/18

Left: 484.462 $\pm$ 0.063 χ^2 /NDF: 1109985.8/39

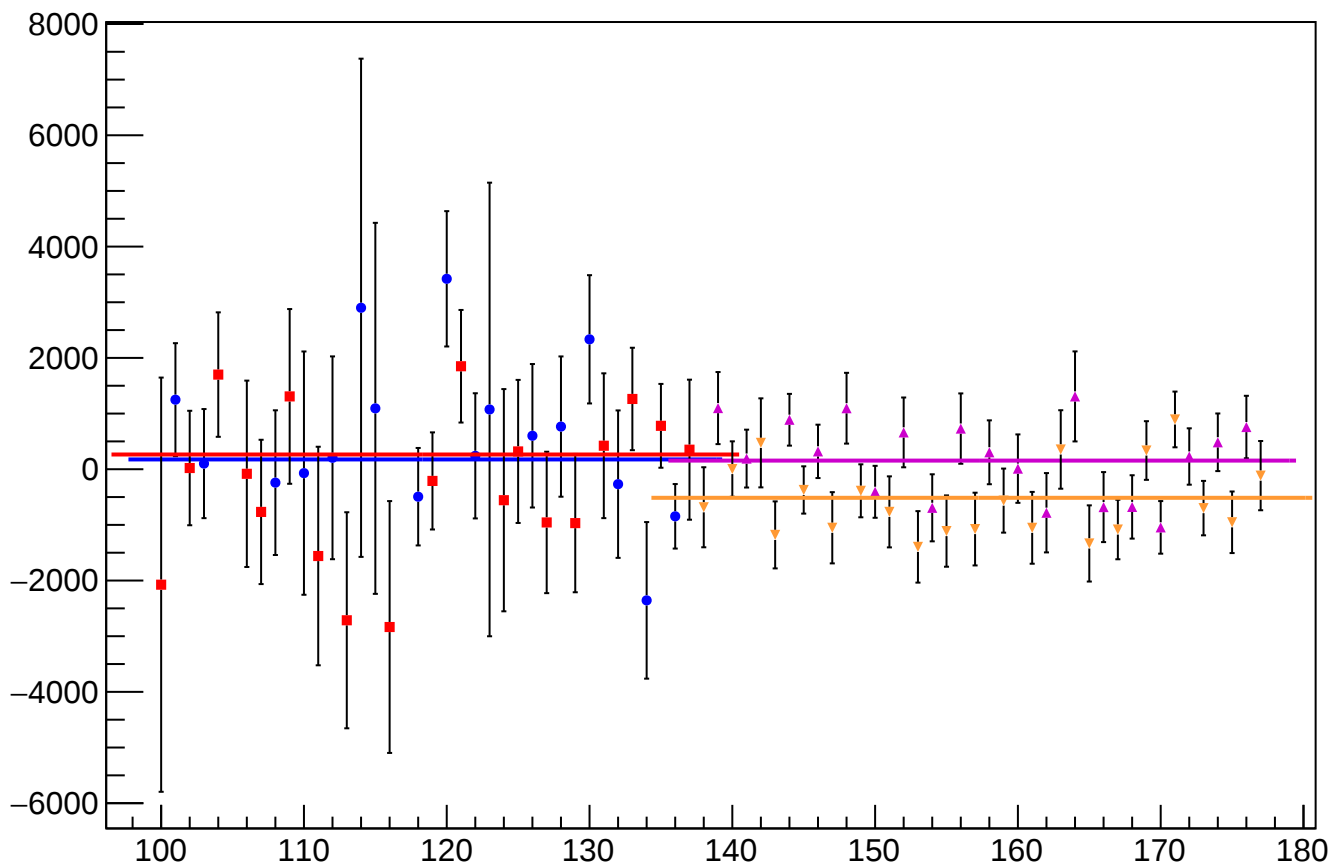
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 520.239 $\pm$ 0.082 χ^2 /NDF: 2320984.8/35

Out: 524.763 $\pm$ 0.080 χ^2 /NDF: 2711983.6/39

All: 522.553 $\pm$ 0.057 χ^2 /NDF: 5034526.9/75

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -513.419 $\pm$ 125.943 χ^2 /NDF:24.9/20

Right Out: 264.622 $\pm$ 283.074 χ^2 /NDF: 14.8/18

Left In: 155.197 $\pm$ 129.085 χ^2 /NDF:27.6/18

Left: -187.347 $\pm$ 90.145 χ^2 /NDF: 66.3/39

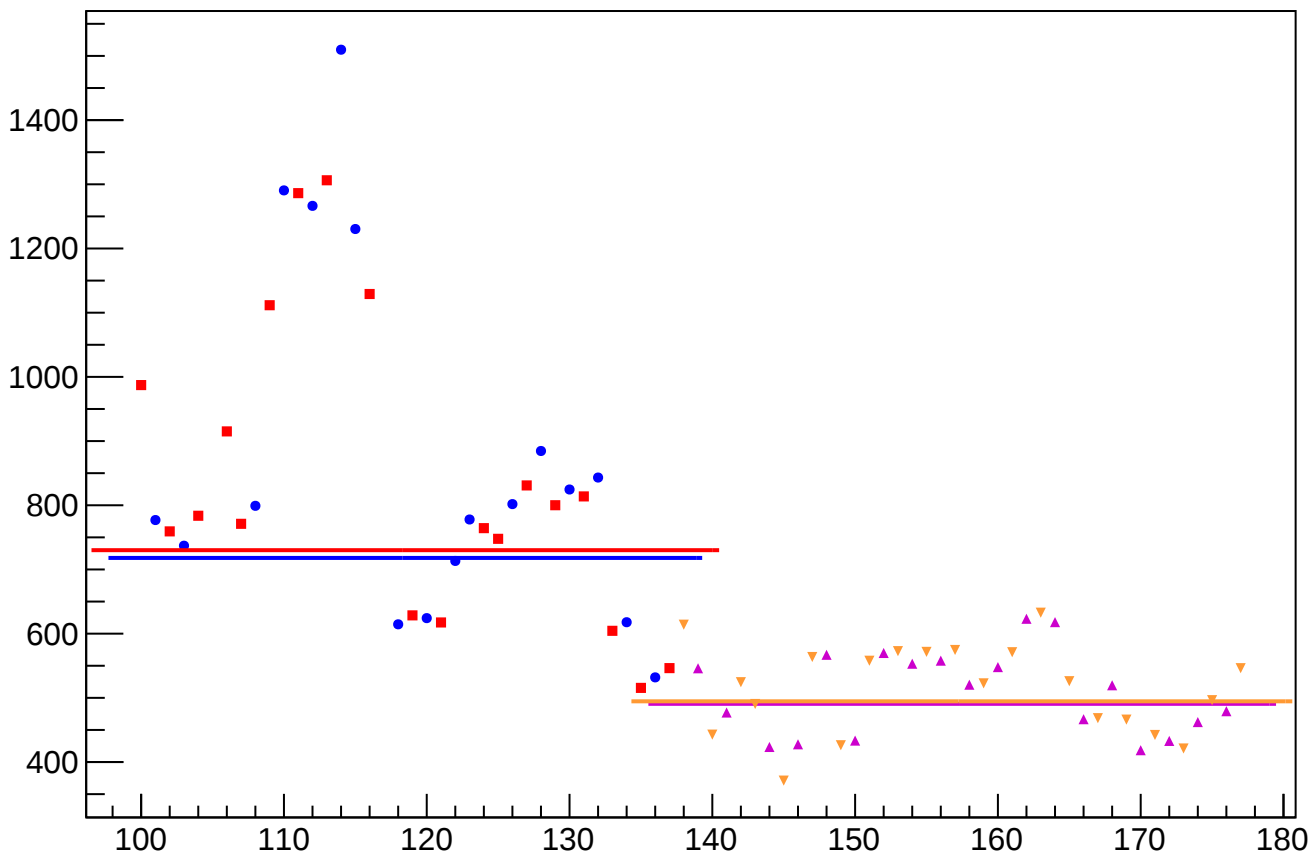
Right: 220.883 $\pm$ 201.613 χ^2 /NDF: 34.6/35

In: 158.668 $\pm$ 117.740 χ^2 /NDF:47.4/35

Out: -384.857 $\pm$ 115.068 χ^2 /NDF:46.0/39

All: -119.332 $\pm$ 82.294 χ^2 /NDF: 104.3/75

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: 494.592 $\pm$ 0.089 χ^2 /NDF: 626742.5/20

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

Left In: 490.686 $\pm$ 0.091 χ^2 /NDF: 456623.1/18

Left: 492.687 $\pm$ 0.064 χ^2 /NDF: 1084303.7/39

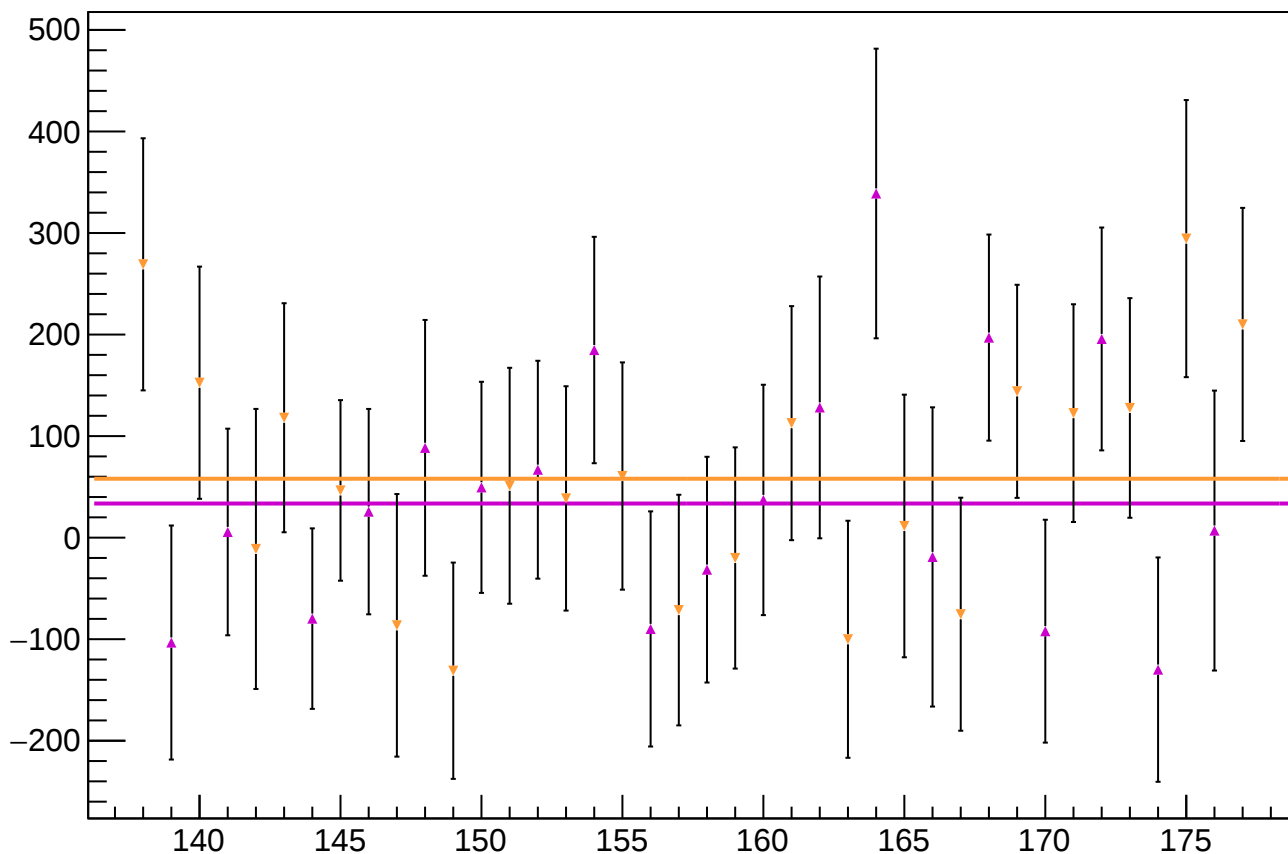
Right: 724.094 $\pm$ 0.143 χ^2 /NDF: 1662212.8/35

In: 528.881 $\pm$ 0.083 χ^2 /NDF: 2277172.8/35

Out: 533.497 $\pm$ 0.081 χ^2 /NDF: 2663586.9/39

All: 531.242 $\pm$ 0.058 χ^2 /NDF: 4942332.2/75

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: 58.023 $\pm$ 24.829 χ^2 /NDF:20.1/20

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

Left In: 33.604 $\pm$ 25.772 χ^2 /NDF:20.3/18

Left: 46.269 $\pm$ 17.881 χ^2 /NDF: 40.9/39

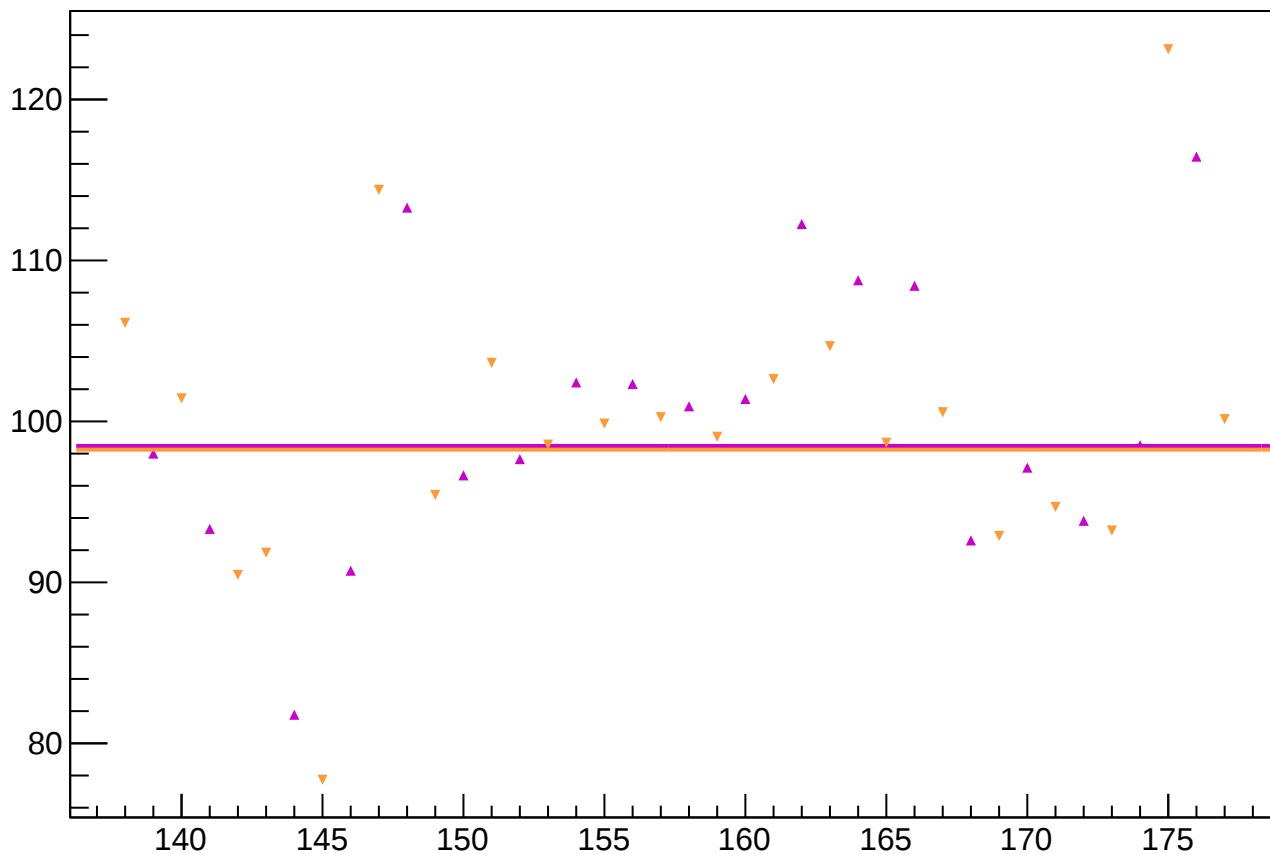
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 33.604 $\pm$ 25.772 χ^2 /NDF:20.3/18

Out: 58.023 $\pm$ 24.829 χ^2 /NDF:20.1/20

All: 46.269 $\pm$ 17.881 χ^2 /NDF: 40.9/39

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 98.246+/-0.018 χ^2/NDF :255456.1/20

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

Left In: 98.473+/-0.018 χ^2/NDF :209907.6/18

Left: 98.355+/-0.013 χ^2/NDF : 465444.1/39

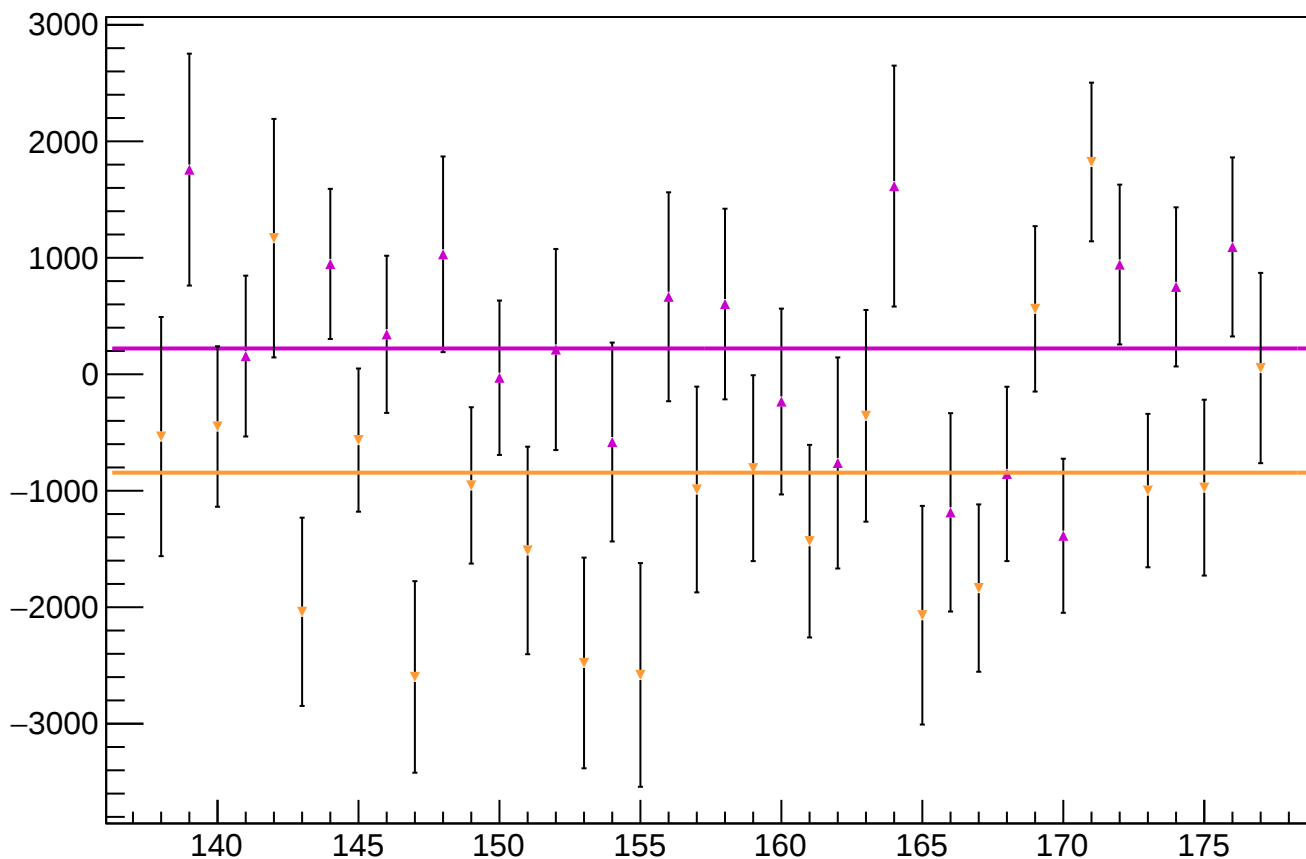
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 98.473+/-0.018 χ^2/NDF :209907.6/18

Out: 98.246+/-0.018 χ^2/NDF :255456.1/20

All: 98.355+/-0.013 χ^2/NDF : 465444.1/39

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -844.601+/-172.135 χ^2/NDF : 43.3/20

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

Left In: 221.573+/-176.808 χ^2/NDF : 23.1/18

Left: -325.788+/-123.337 χ^2/NDF : 85.1/39

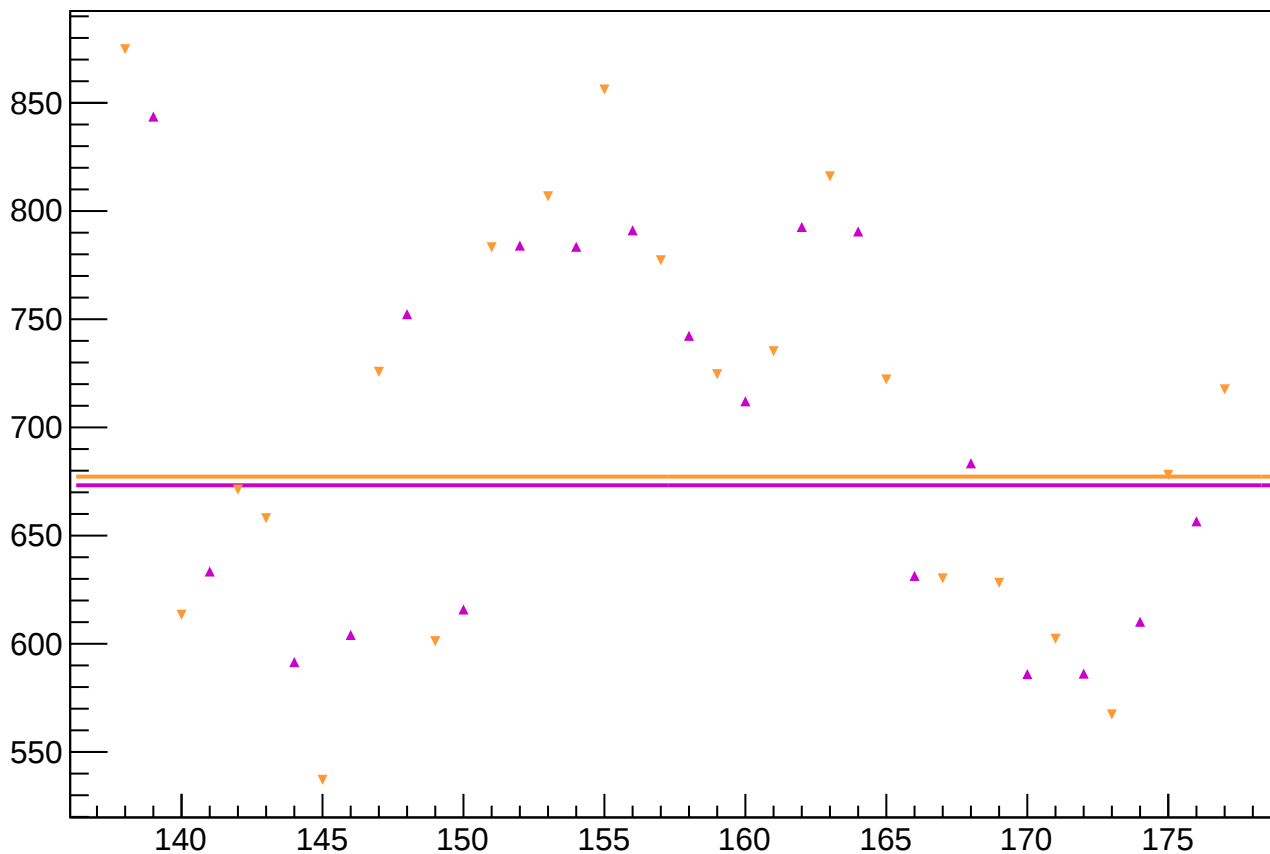
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 221.573+/-176.808 χ^2/NDF : 23.1/18

Out: -844.601+/-172.135 χ^2/NDF : 43.3/20

All: -325.788+/-123.337 χ^2/NDF : 85.1/39

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 677.261+/-0.122 χ^2/NDF :564319.0/20

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

Left In: 673.245+/-0.125 χ^2/NDF :421615.7/18

Left: 675.307+/-0.087 χ^2/NDF : 986464.3/39

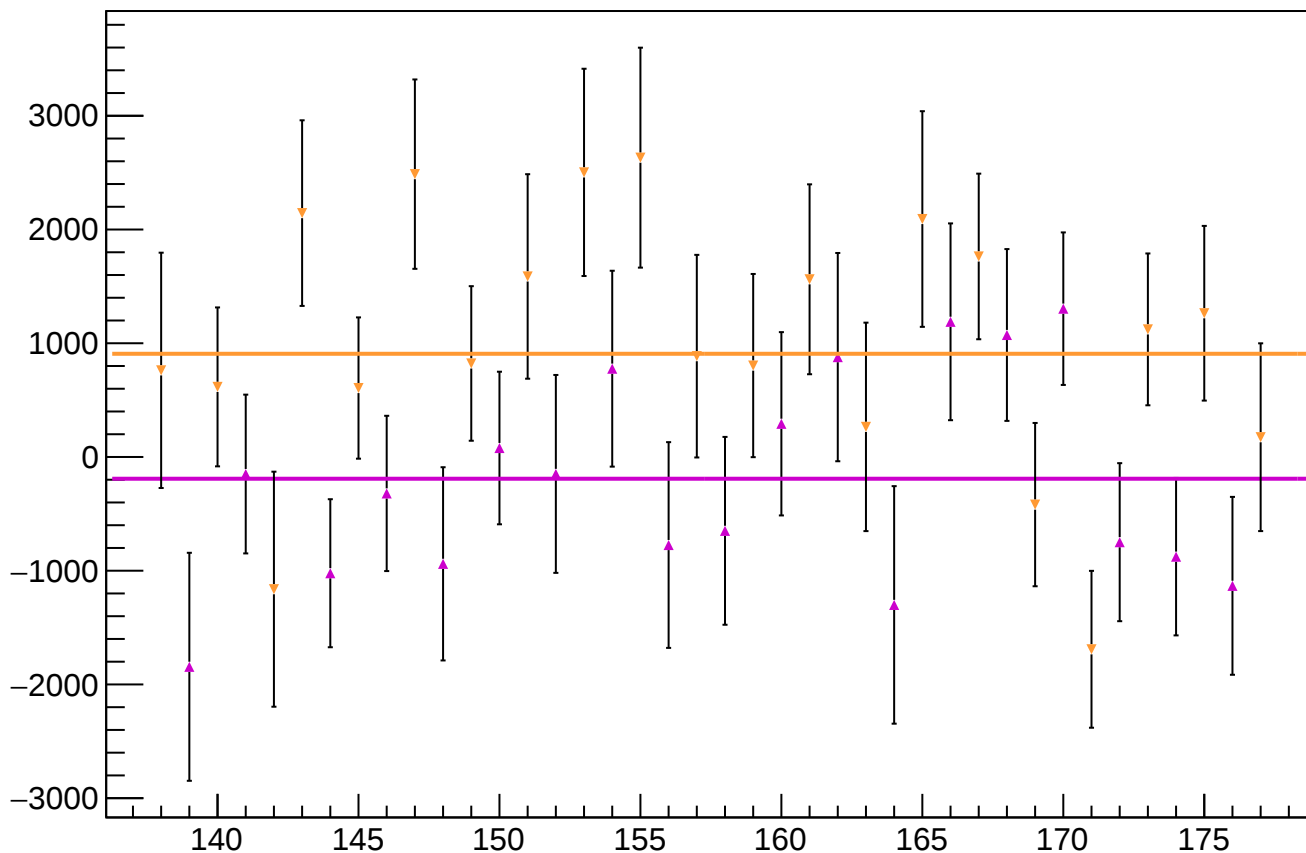
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 673.245+/-0.125 χ^2/NDF :421615.7/18

Out: 677.261+/-0.122 χ^2/NDF :564319.0/20

All: 675.307+/-0.087 χ^2/NDF : 986464.3/39

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 907.424+/-174.055 χ^2/NDF :40.0/20

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

Left In: -191.260+/-178.810 χ^2/NDF :23.6/18

Left: 372.885+/-124.722 χ^2/NDF : 82.9/39

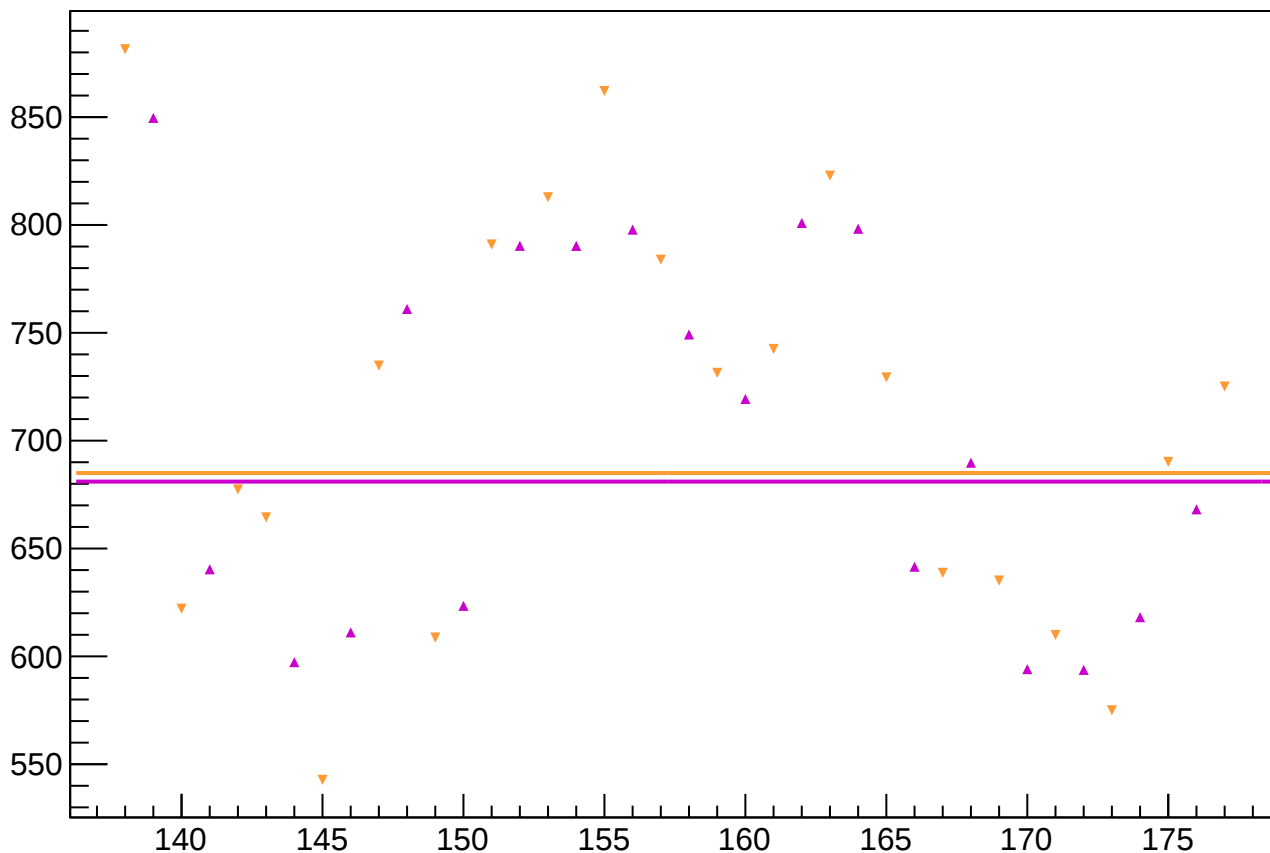
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -191.260+/-178.810 χ^2/NDF :23.6/18

Out: 907.424+/-174.055 χ^2/NDF :40.0/20

All: 372.885+/-124.722 χ^2/NDF : 82.9/39

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 685.009+/-0.123 χ^2/NDF :552182.2/20

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

Left In: 681.024+/-0.126 χ^2/NDF :411375.4/18

Left: 683.070+/-0.088 χ^2/NDF : 964067.5/39

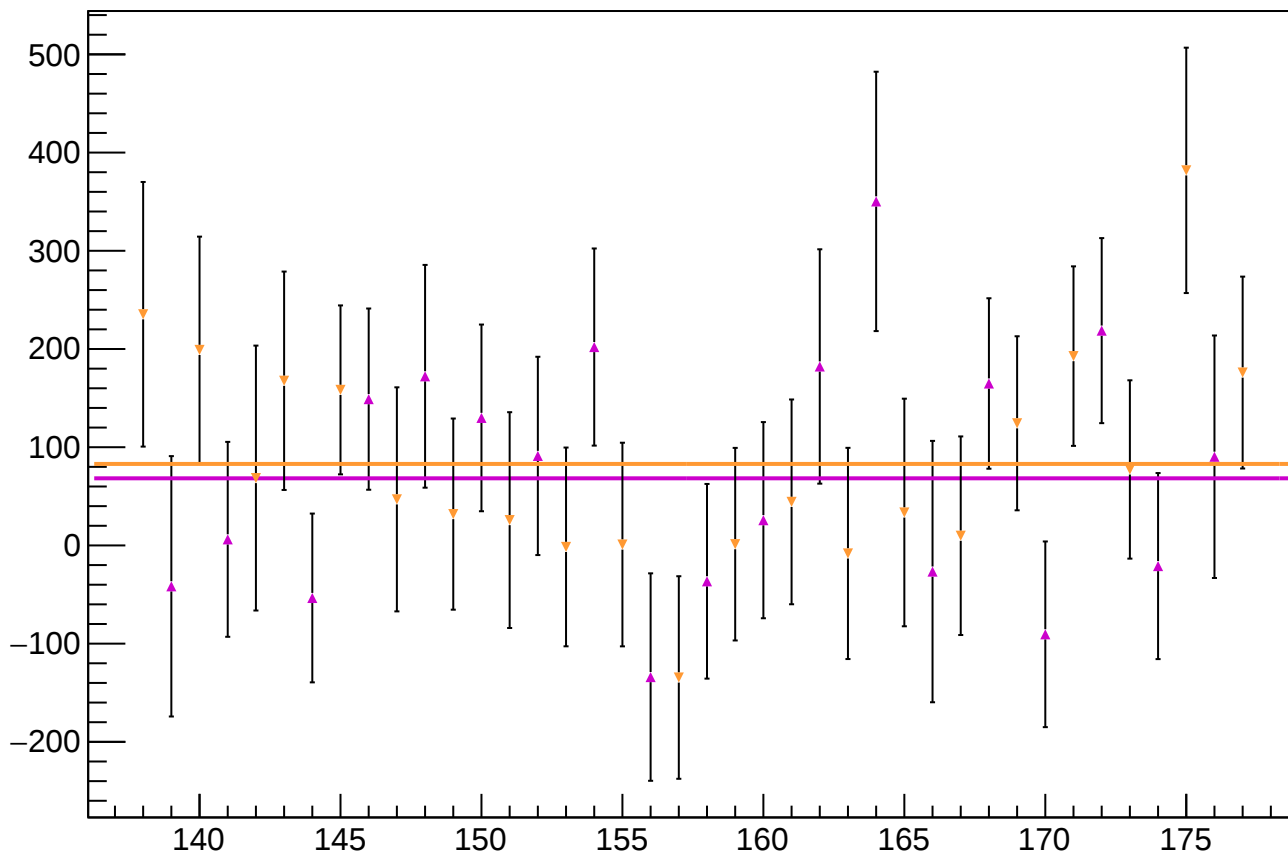
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 681.024+/-0.126 χ^2/NDF :411375.4/18

Out: 685.009+/-0.123 χ^2/NDF :552182.2/20

All: 683.070+/-0.088 χ^2/NDF : 964067.5/39

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 82.975 $\pm$ 22.683 χ^2 /NDF:20.6/20

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

Left In: 68.331 $\pm$ 23.522 χ^2 /NDF:25.4/18

Left: 75.918 $\pm$ 16.328 χ^2 /NDF: 46.2/39

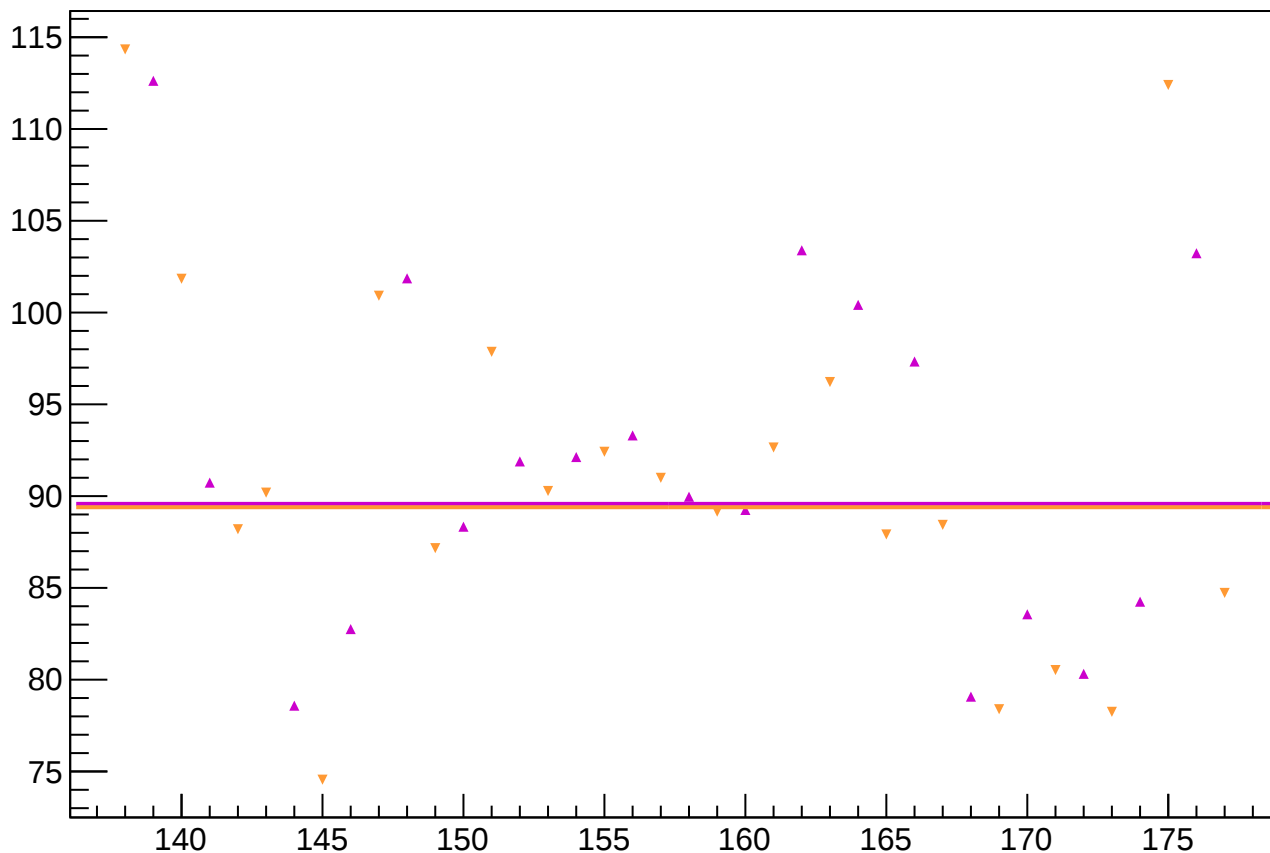
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 68.331 $\pm$ 23.522 χ^2 /NDF:25.4/18

Out: 82.975 $\pm$ 22.683 χ^2 /NDF:20.6/20

All: 75.918 $\pm$ 16.328 χ^2 /NDF: 46.2/39

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 89.394+/-0.016 χ^2/NDF :350060.0/20

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

Left In: 89.578+/-0.017 χ^2/NDF :267710.0/18

Left: 89.483+/-0.012 χ^2/NDF : 617832.9/39

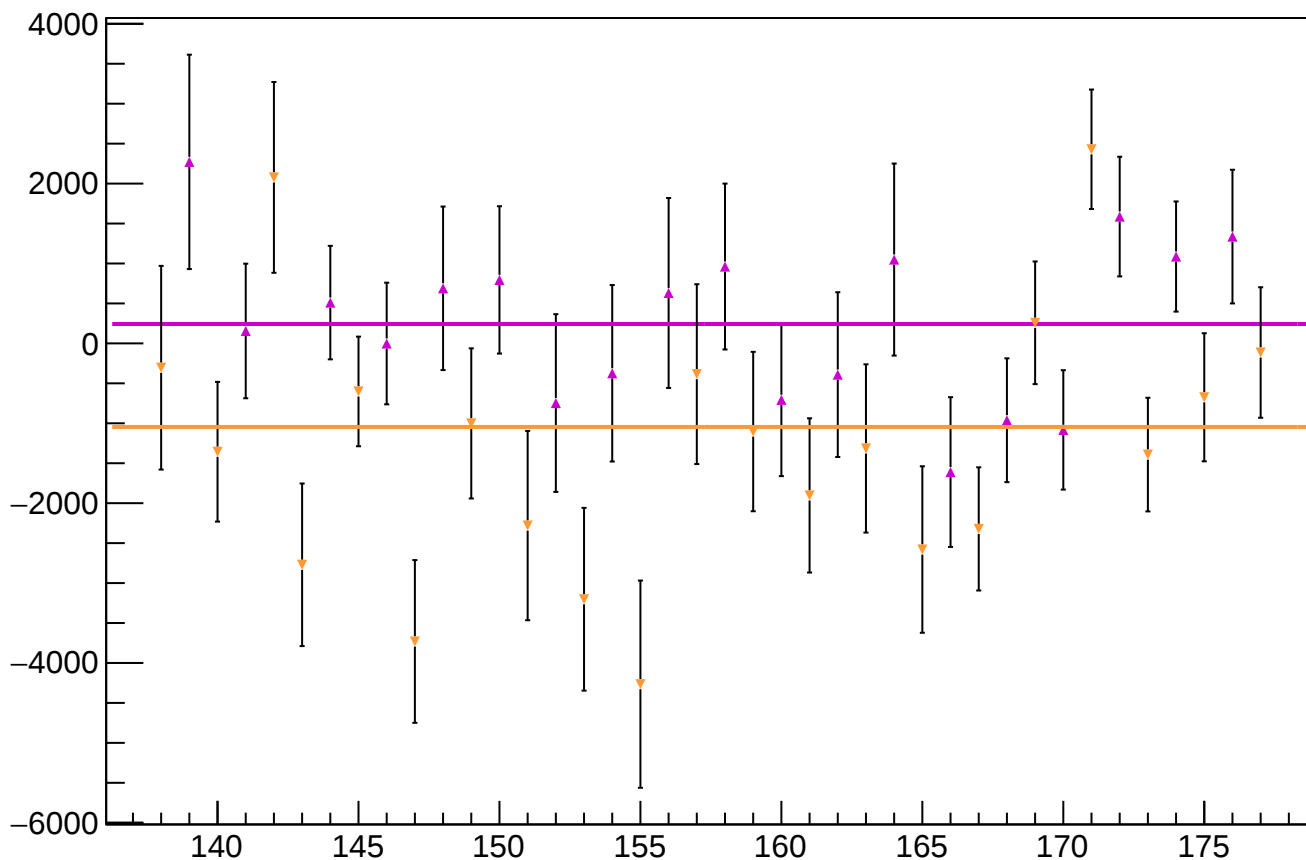
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 89.578+/-0.017 χ^2/NDF :267710.0/18

Out: 89.394+/-0.016 χ^2/NDF :350060.0/20

All: 89.483+/-0.012 χ^2/NDF : 617832.9/39

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1045.969+/-200.909 χ^2/NDF :60.7/20

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

Left In: 242.506+/-205.376 χ^2/NDF :22.5/18

Left: -415.897+/-143.618 χ^2/NDF : 103.3/39

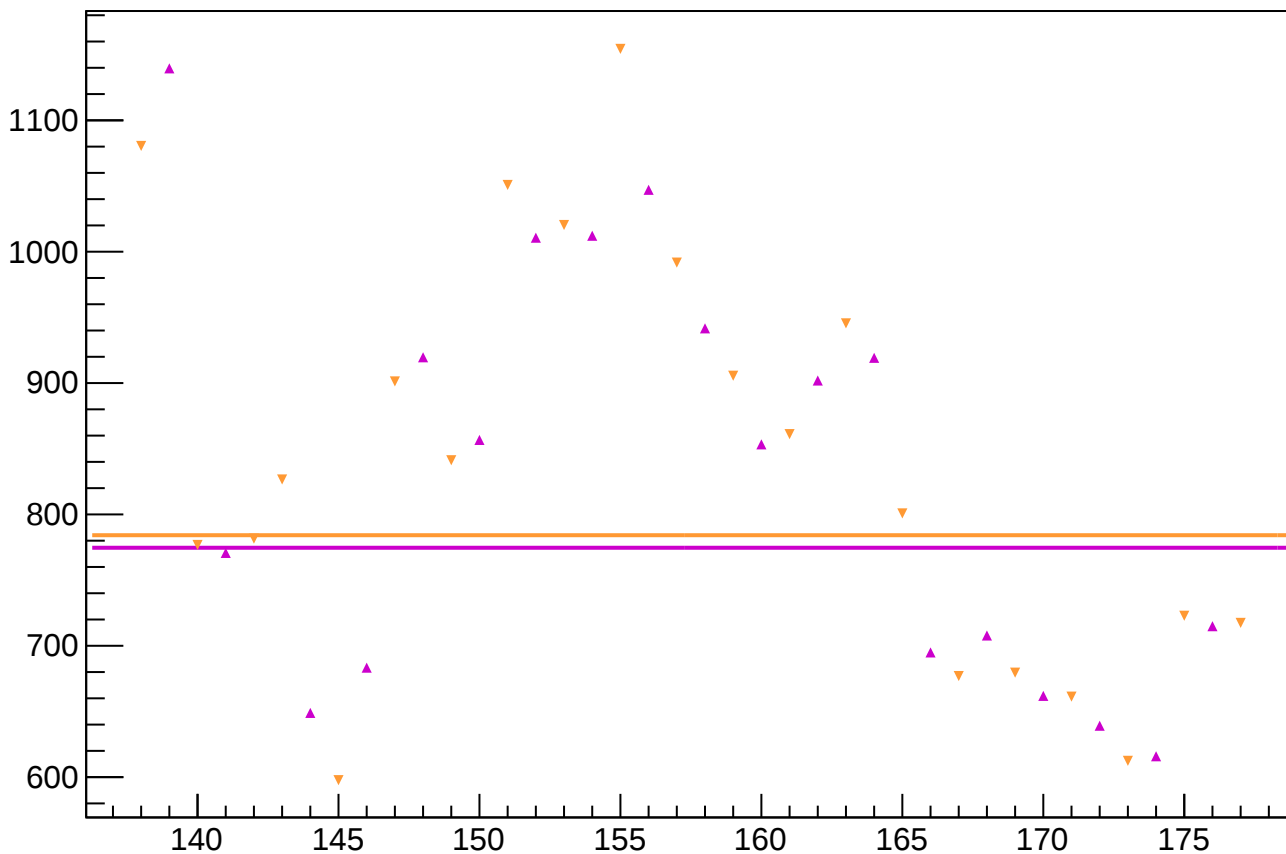
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 242.506+/-205.376 χ^2/NDF :22.5/18

Out: -1045.969+/-200.909 χ^2/NDF :60.7/20

All: -415.897+/-143.618 χ^2/NDF : 103.3/39

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 784.174+/-0.142 χ^2/NDF :1072107.5/20

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

Left In: 774.622+/-0.145 χ^2/NDF :964418.9/18

Left: 779.503+/-0.102 χ^2/NDF : 2038737.2/39

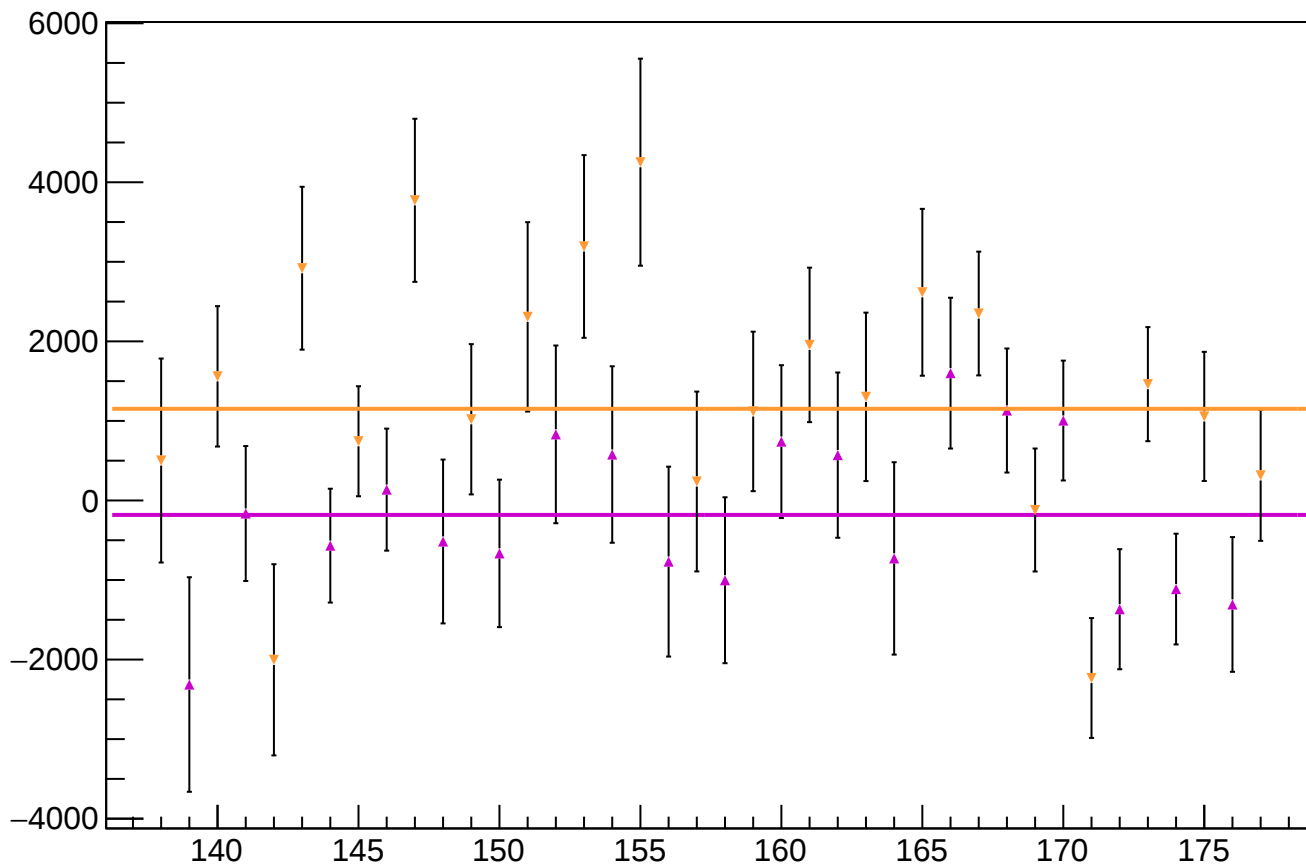
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 774.622+/-0.145 χ^2/NDF :964418.9/18

Out: 784.174+/-0.142 χ^2/NDF :1072107.5/20

All: 779.503+/-0.102 χ^2/NDF : 2038737.2/39

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1152.293+/-202.341 χ^2/NDF :56.8/20

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

Left In: -181.609+/-206.882 χ^2/NDF :22.0/18

Left: 500.142+/-144.655 χ^2/NDF : 100.1/39

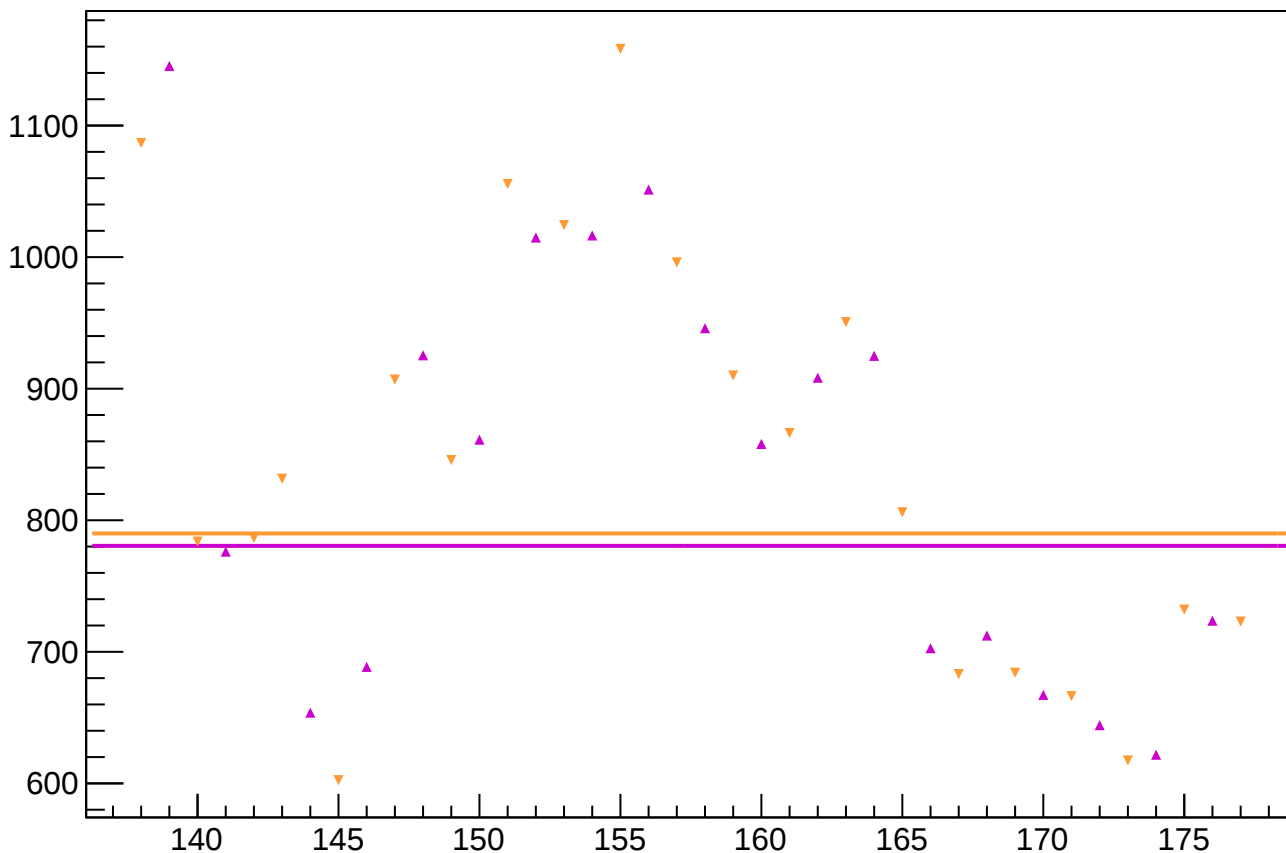
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -181.609+/-206.882 χ^2/NDF :22.0/18

Out: 1152.293+/-202.341 χ^2/NDF :56.8/20

All: 500.142+/-144.655 χ^2/NDF : 100.1/39

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 789.979+/-0.143 χ^2/NDF :1056049.8/20

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

Left In: 780.526+/-0.146 χ^2/NDF :948527.8/18

Left: 785.357+/-0.102 χ^2/NDF : 2006711.9/39

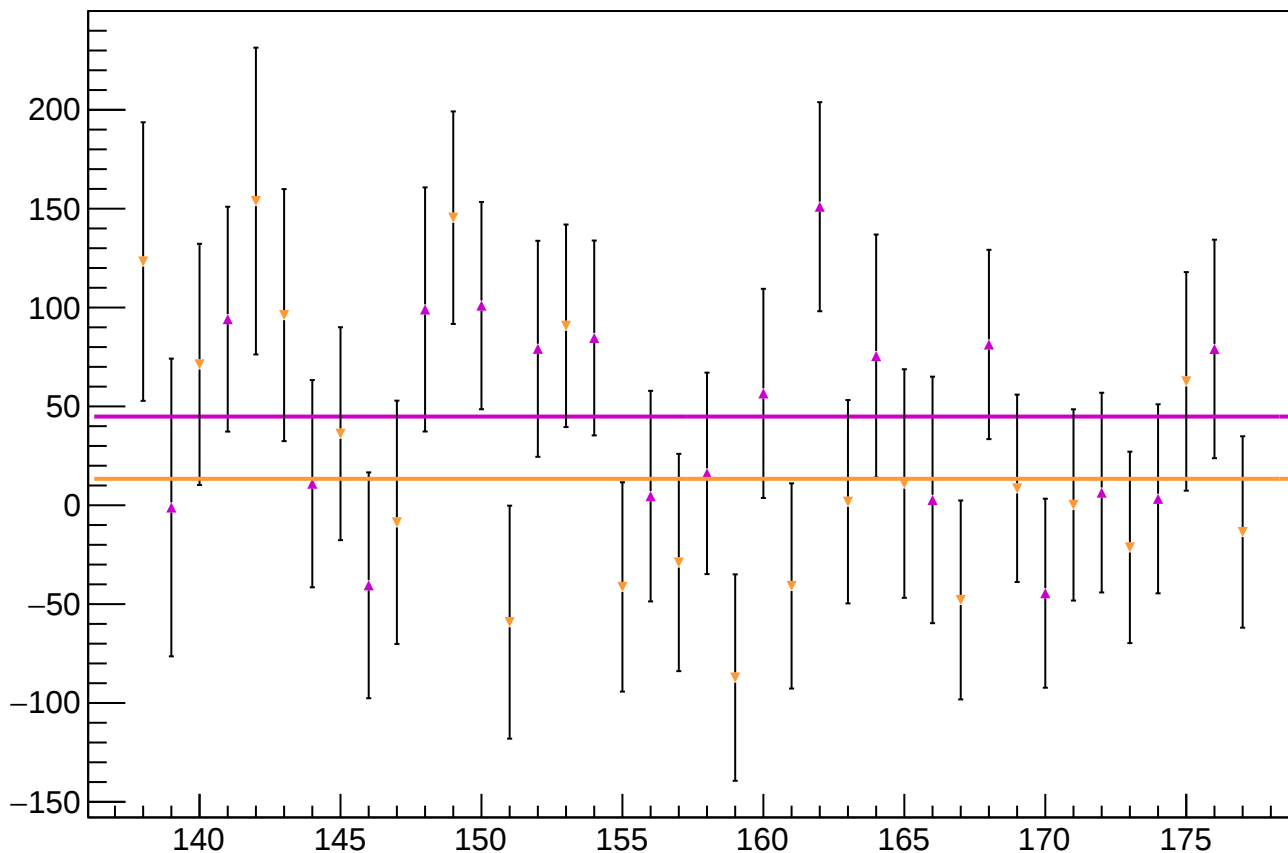
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 780.526+/-0.146 χ^2/NDF :948527.8/18

Out: 789.979+/-0.143 χ^2/NDF :1056049.8/20

All: 785.357+/-0.102 χ^2/NDF : 2006711.9/39

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 13.382 $\pm$ 11.902 χ^2 /NDF:28.1/20

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

Left In: 44.857 $\pm$ 12.369 χ^2 /NDF:18.2/18

Left: 28.514 $\pm$ 8.576 χ^2 /NDF: 49.7/39

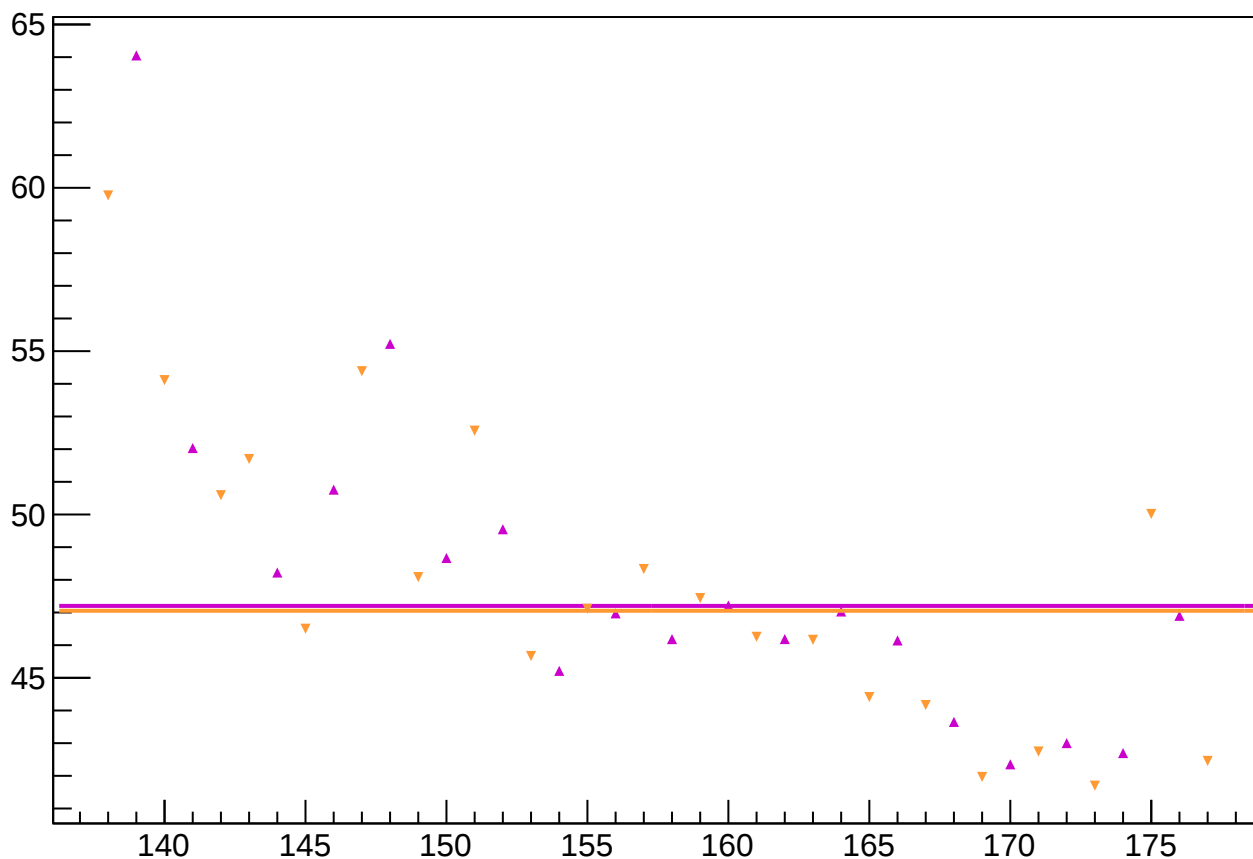
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 44.857 $\pm$ 12.369 χ^2 /NDF:18.2/18

Out: 13.382 $\pm$ 11.902 χ^2 /NDF:28.1/20

All: 28.514 $\pm$ 8.576 χ^2 /NDF: 49.7/39

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 47.053+/-0.008 χ^2/NDF :255196.9/20

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

Left In: 47.202+/-0.009 χ^2/NDF :230837.7/18

Left: 47.124+/-0.006 χ^2/NDF : 486185.9/39

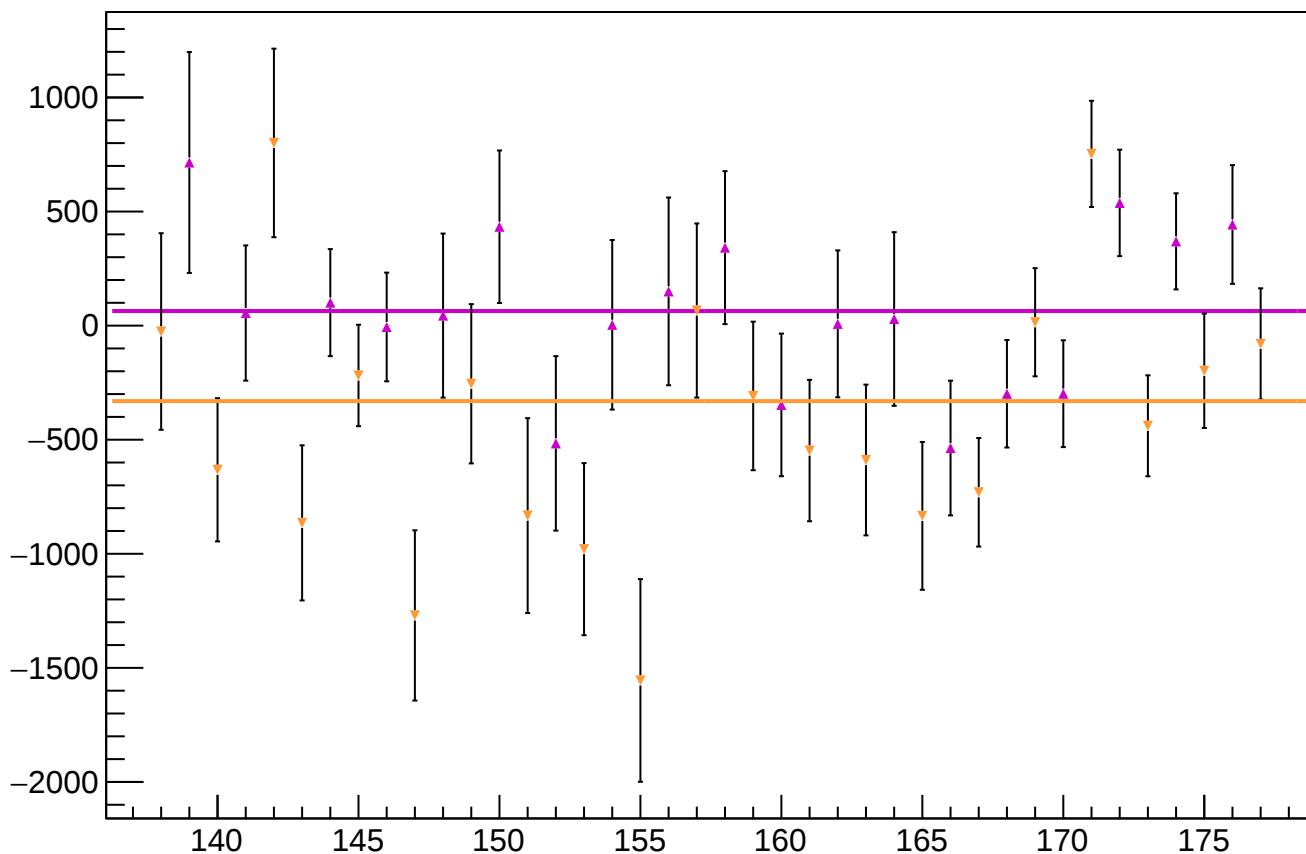
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.202+/-0.009 χ^2/NDF :230837.7/18

Out: 47.053+/-0.008 χ^2/NDF :255196.9/20

All: 47.124+/-0.006 χ^2/NDF : 486185.9/39

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -330.823 $\pm$ 65.127 χ^2 /NDF:62.8/20

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

Left In: 64.048 $\pm$ 66.341 χ^2 /NDF:25.2/18

Left: -137.032 $\pm$ 46.475 χ^2 /NDF: 106.0/39

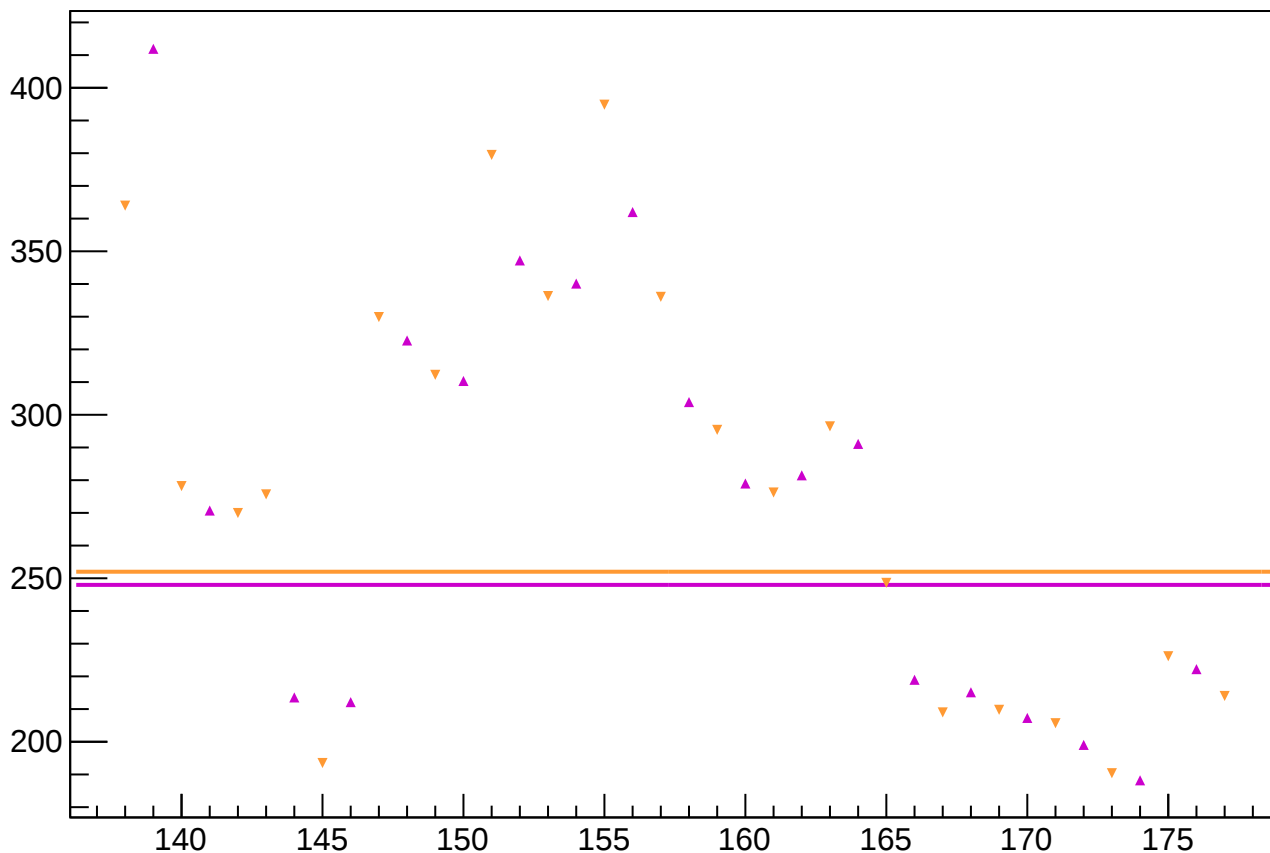
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 64.048 $\pm$ 66.341 χ^2 /NDF:25.2/18

Out: -330.823 $\pm$ 65.127 χ^2 /NDF:62.8/20

All: -137.032 $\pm$ 46.475 χ^2 /NDF: 106.0/39

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 252.006+/-0.046 χ^2/NDF :1546781.4/20

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

Left In: 247.978+/-0.047 χ^2/NDF :1406571.4/18

Left: 250.029+/-0.033 χ^2/NDF : 2957106.3/39

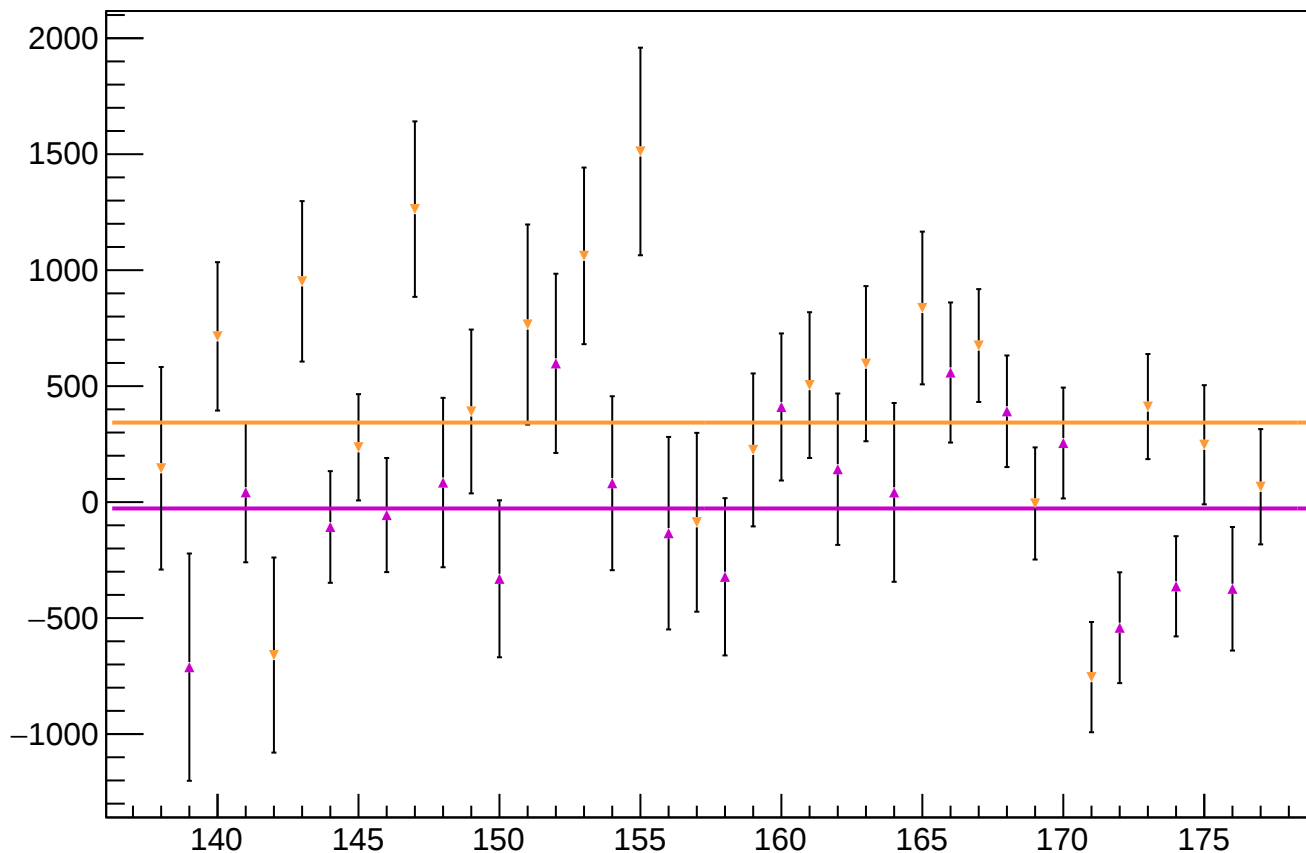
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 247.978+/-0.047 χ^2/NDF :1406571.4/18

Out: 252.006+/-0.046 χ^2/NDF :1546781.4/20

All: 250.029+/-0.033 χ^2/NDF : 2957106.3/39

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 342.948 $\pm$ 66.357 χ^2 /NDF:59.0/20

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

Left In: -27.446 $\pm$ 67.677 χ^2 /NDF:25.7/18

Left: 161.398 $\pm$ 47.381 χ^2 /NDF: 100.0/39

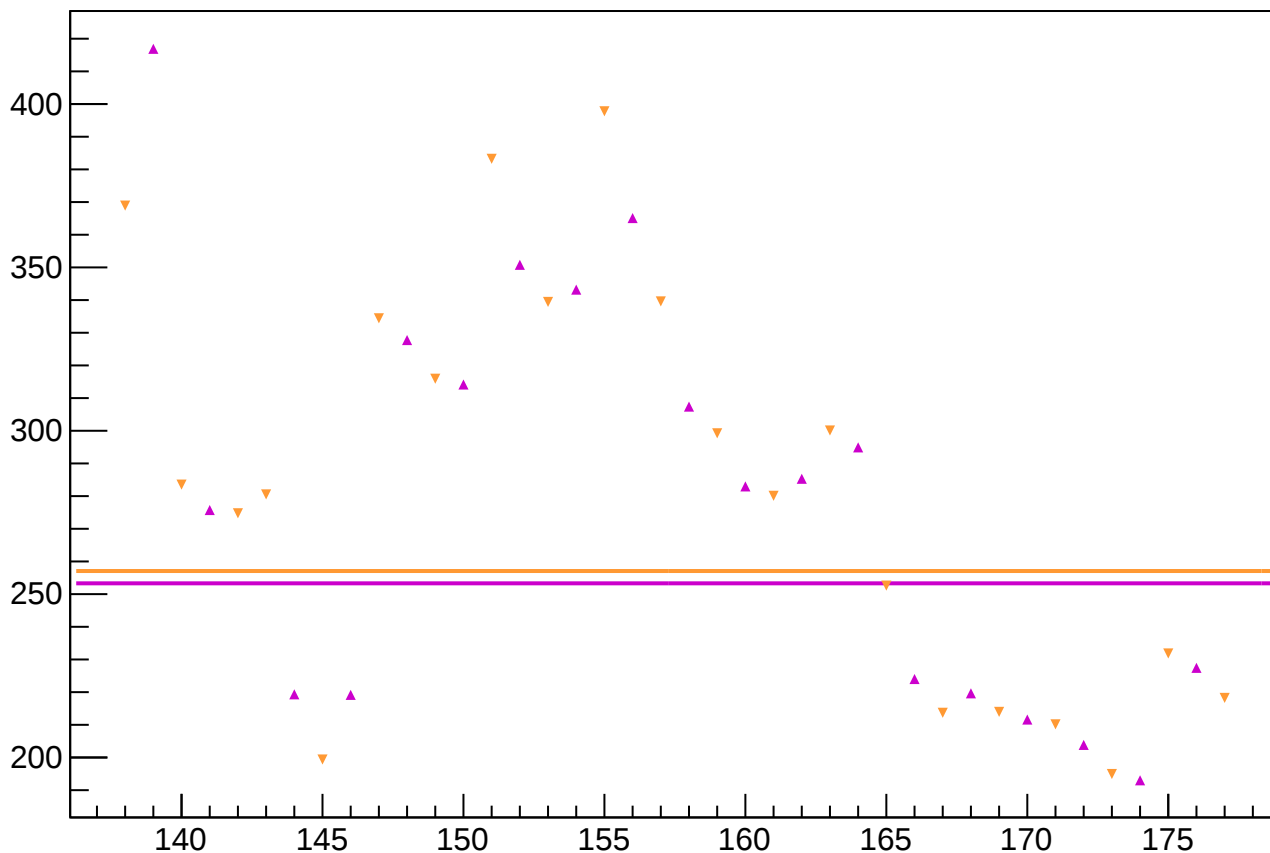
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -27.446 $\pm$ 67.677 χ^2 /NDF:25.7/18

Out: 342.948 $\pm$ 66.357 χ^2 /NDF:59.0/20

All: 161.398 $\pm$ 47.381 χ^2 /NDF: 100.0/39

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 257.074+/-0.047 χ^2/NDF :1478242.1/20

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

Left In: 253.307+/-0.048 χ^2/NDF :1337726.7/18

Left: 255.228+/-0.034 χ^2/NDF : 2819126.7/39

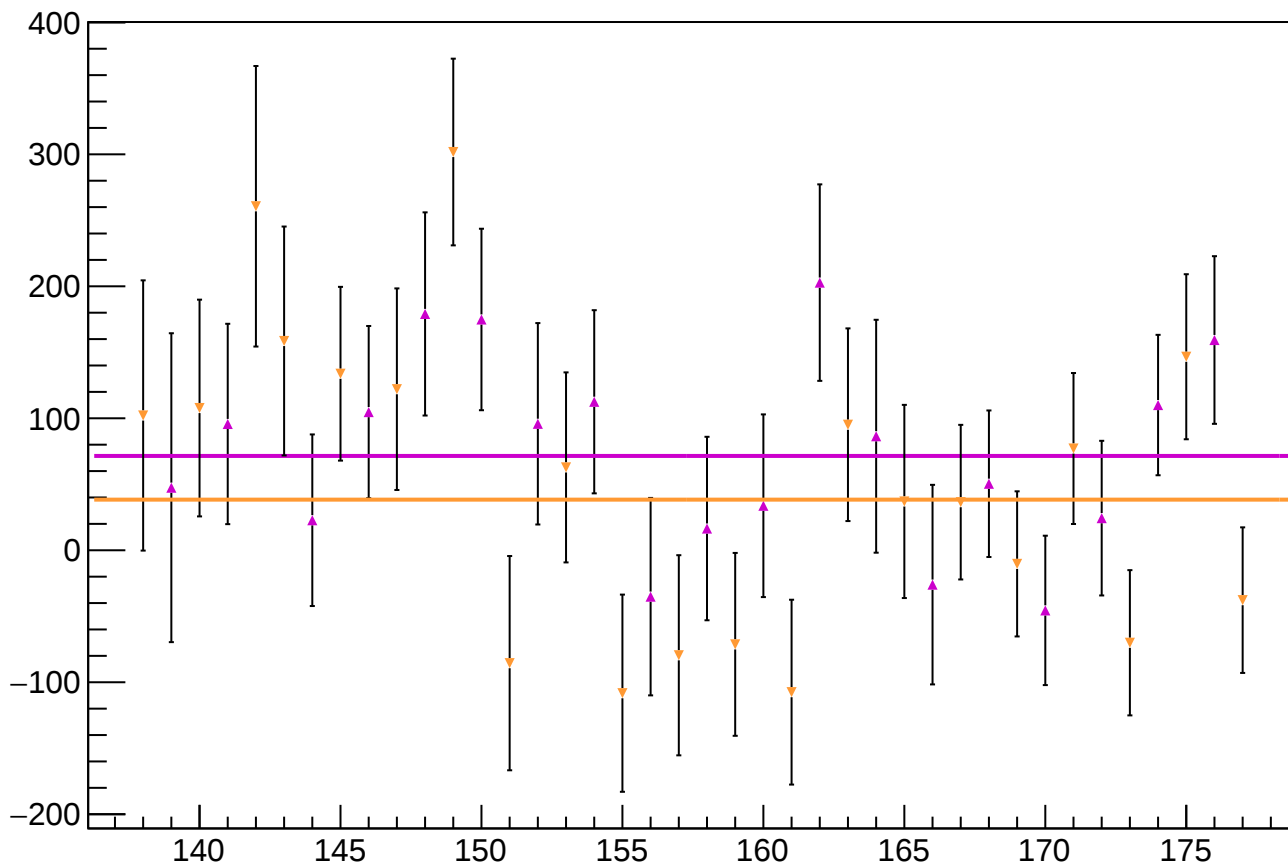
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 253.307+/-0.048 χ^2/NDF :1337726.7/18

Out: 257.074+/-0.047 χ^2/NDF :1478242.1/20

All: 255.228+/-0.034 χ^2/NDF : 2819126.7/39

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: 38.363 $\pm$ 15.085 χ^2 /NDF:50.8/20

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

Left In: 71.474 $\pm$ 15.645 χ^2 /NDF:20.9/18

Left: 54.315 $\pm$ 10.859 χ^2 /NDF: 74.0/39

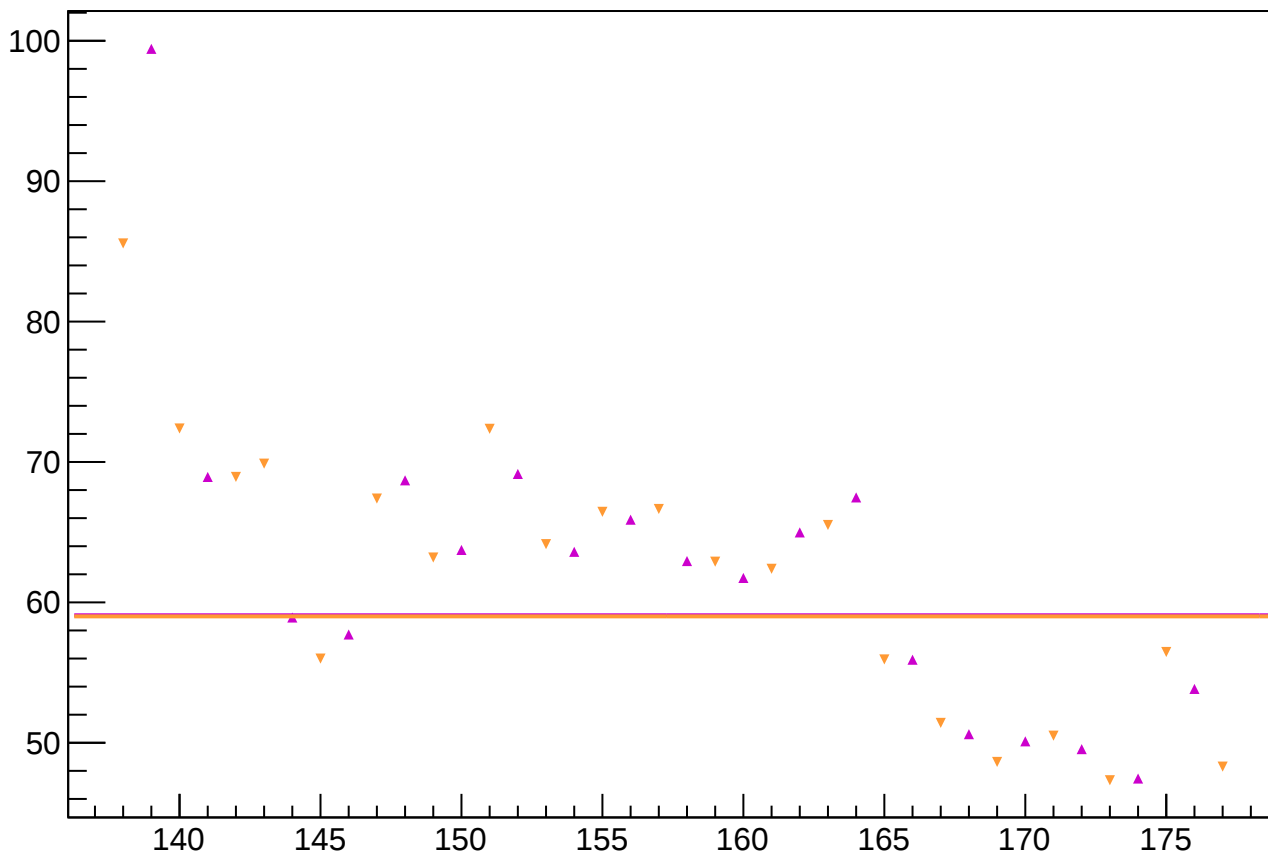
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 71.474 $\pm$ 15.645 χ^2 /NDF:20.9/18

Out: 38.363 $\pm$ 15.085 χ^2 /NDF:50.8/20

All: 54.315 $\pm$ 10.859 χ^2 /NDF: 74.0/39

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 59.004+/-0.011 χ^2/NDF : 724499.1/20

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

Left In: 59.081+/-0.011 χ^2/NDF : 674937.0/18

Left: 59.041+/-0.008 χ^2/NDF : 1399460.7/39

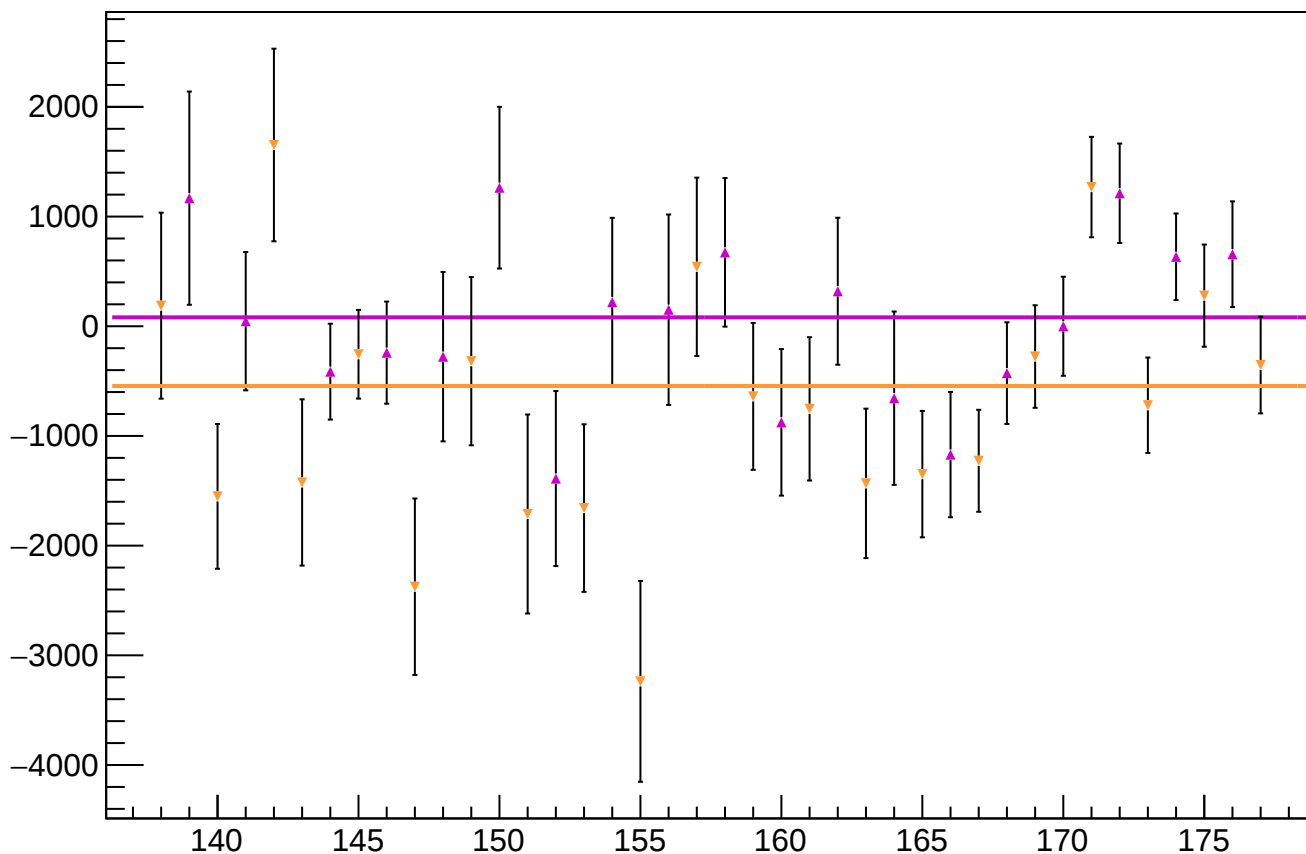
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 59.081+/-0.011 χ^2/NDF : 674937.0/18

Out: 59.004+/-0.011 χ^2/NDF : 724499.1/20

All: 59.041+/-0.008 χ^2/NDF : 1399460.7/39

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -544.439 ± 128.585 $\chi^2/\text{NDF}: 56.1/20$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 81.167 ± 131.300 $\chi^2/\text{NDF}: 28.7/18$

Left: -238.170 ± 91.868 $\chi^2/\text{NDF}: 96.4/39$

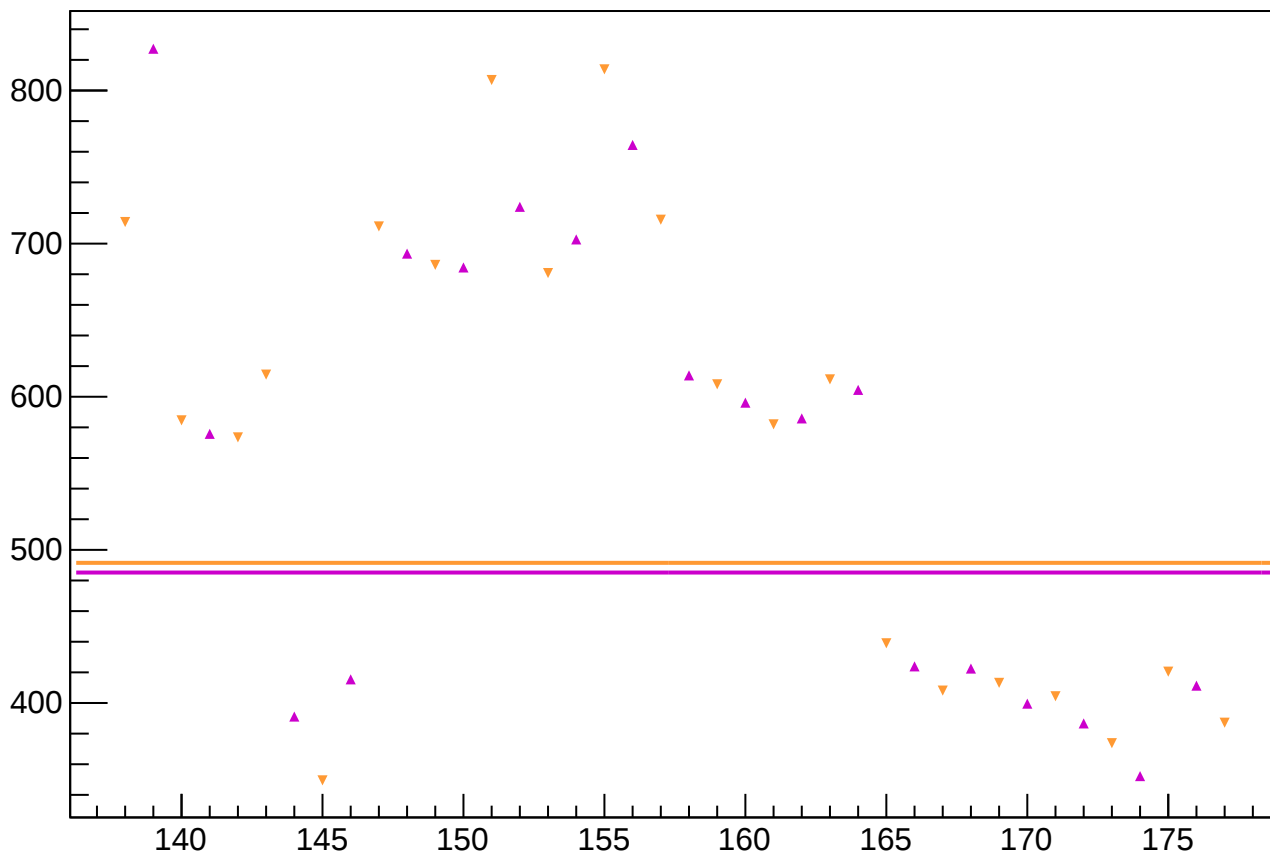
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 81.167 ± 131.300 $\chi^2/\text{NDF}: 28.7/18$

Out: -544.439 ± 128.585 $\chi^2/\text{NDF}: 56.1/20$

All: -238.170 ± 91.868 $\chi^2/\text{NDF}: 96.4/39$

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 491.529+/-0.091 χ^2/NDF :2212766.8/20

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

Left In: 485.193+/-0.093 χ^2/NDF :1983102.4/18

Left: 488.427+/-0.065 χ^2/NDF : 4198246.3/39

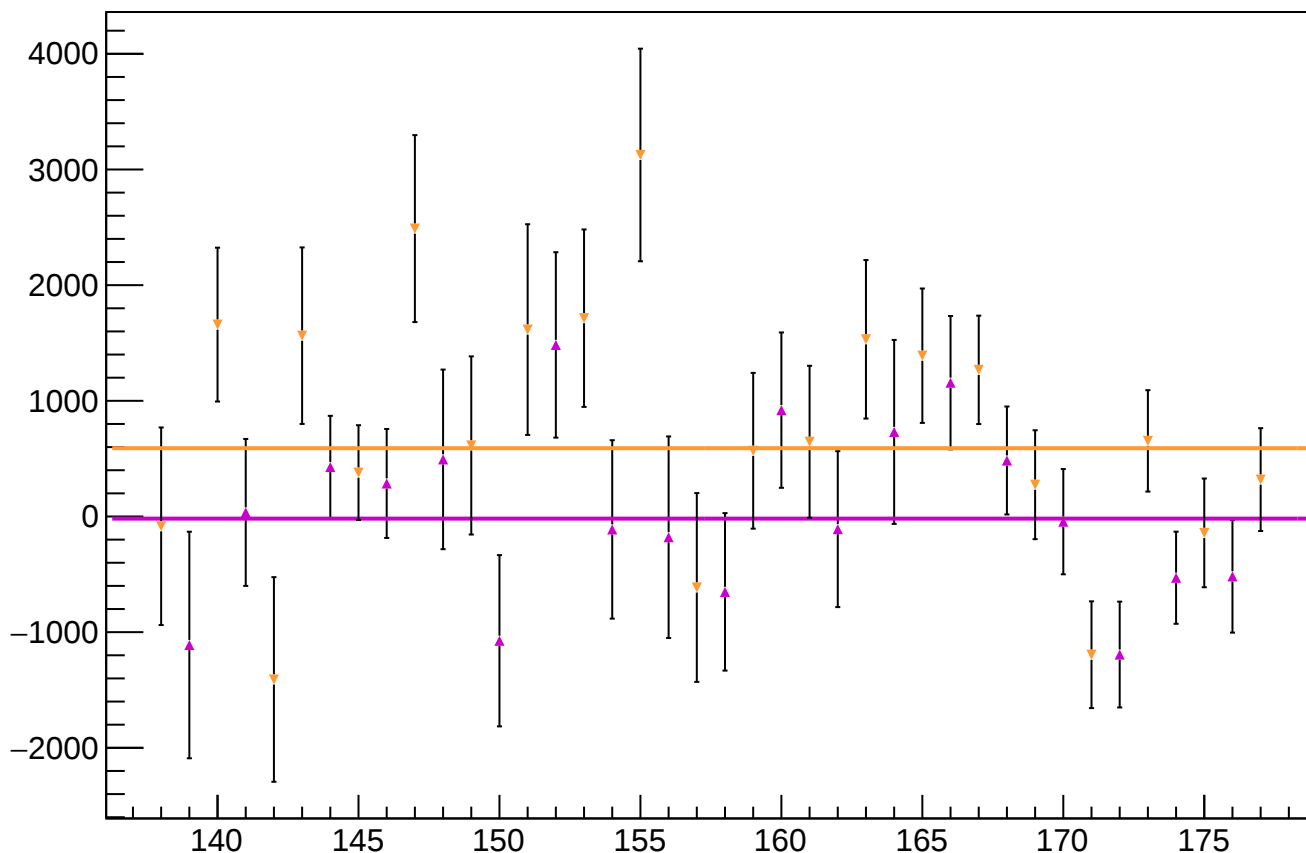
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 485.193+/-0.093 χ^2/NDF :1983102.4/18

Out: 491.529+/-0.091 χ^2/NDF :2212766.8/20

All: 488.427+/-0.065 χ^2/NDF : 4198246.3/39

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 590.493+/-129.583 χ^2/NDF :53.1/20

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

Left In: -18.368+/-132.364 χ^2/NDF :27.1/18

Left: 292.525+/-92.597 χ^2/NDF : 90.9/39

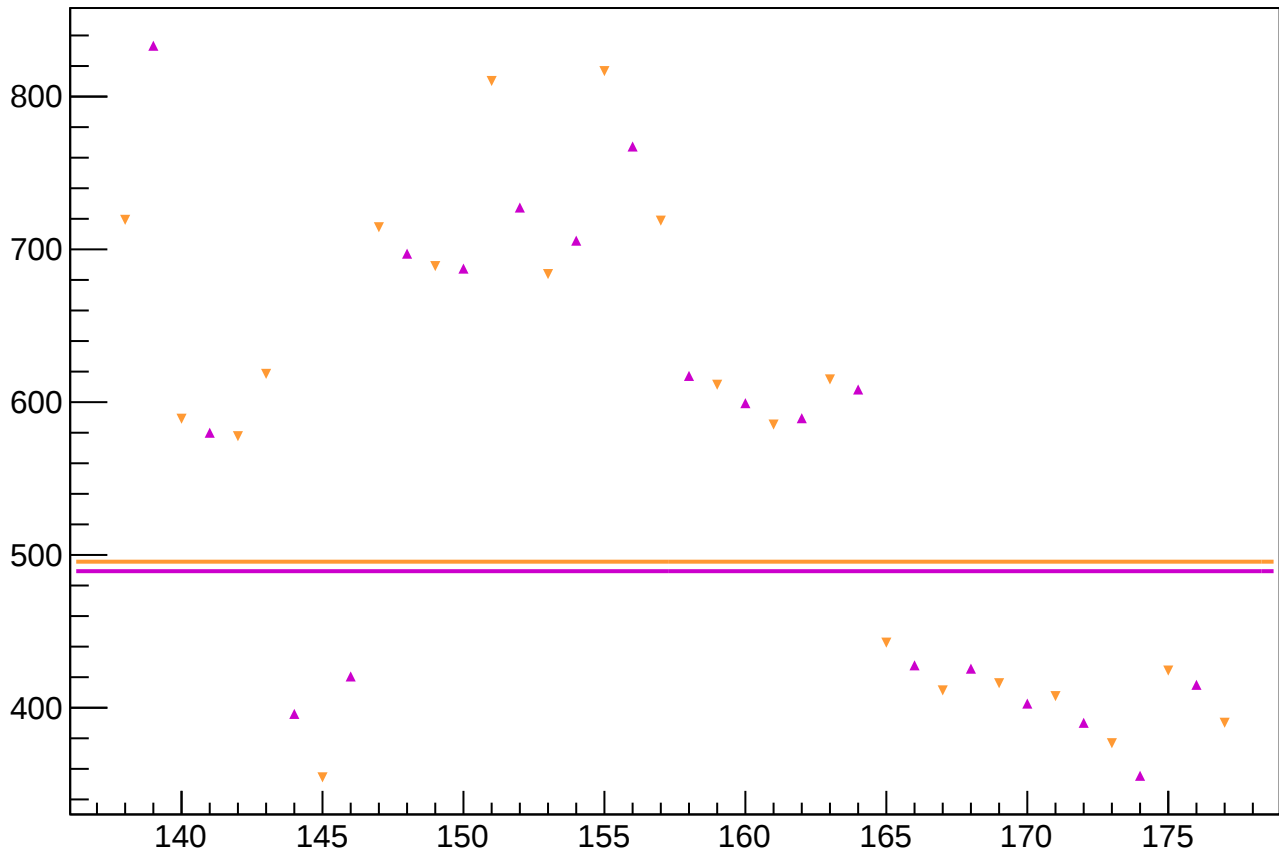
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.368+/-132.364 χ^2/NDF :27.1/18

Out: 590.493+/-129.583 χ^2/NDF :53.1/20

All: 292.525+/-92.597 χ^2/NDF : 90.9/39

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 495.600+/-0.092 χ^2/NDF :2182144.3/20

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

Left In: 489.381+/-0.094 χ^2/NDF :1955762.8/18

Left: 492.557+/-0.065 χ^2/NDF : 4140161.4/39

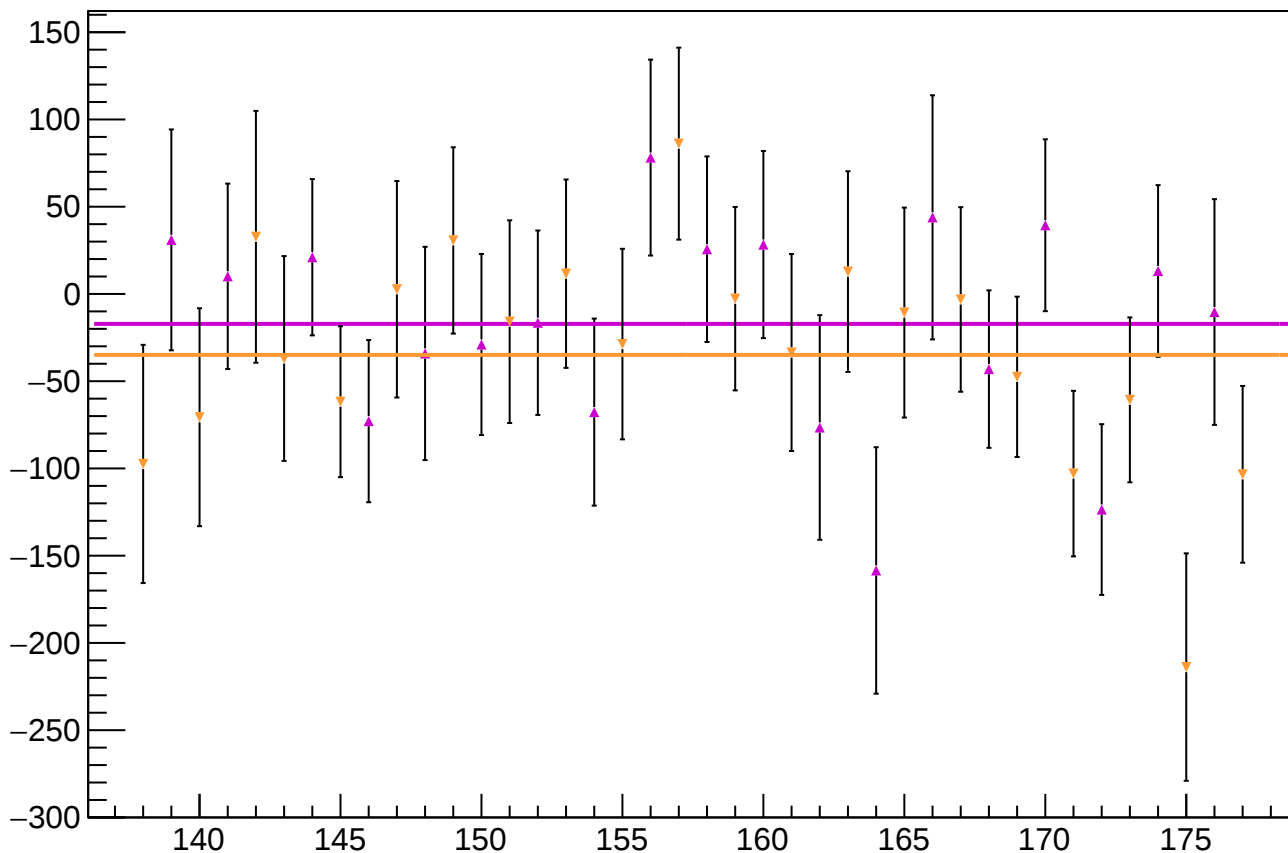
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 489.381+/-0.094 χ^2/NDF :1955762.8/18

Out: 495.600+/-0.092 χ^2/NDF :2182144.3/20

All: 492.557+/-0.065 χ^2/NDF : 4140161.4/39

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: -34.927+/-11.946 χ^2/NDF :23.4/20

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

Left In: -17.161+/-12.358 χ^2/NDF :20.7/18

Left: -26.345+/-8.589 χ^2/NDF : 45.1/39

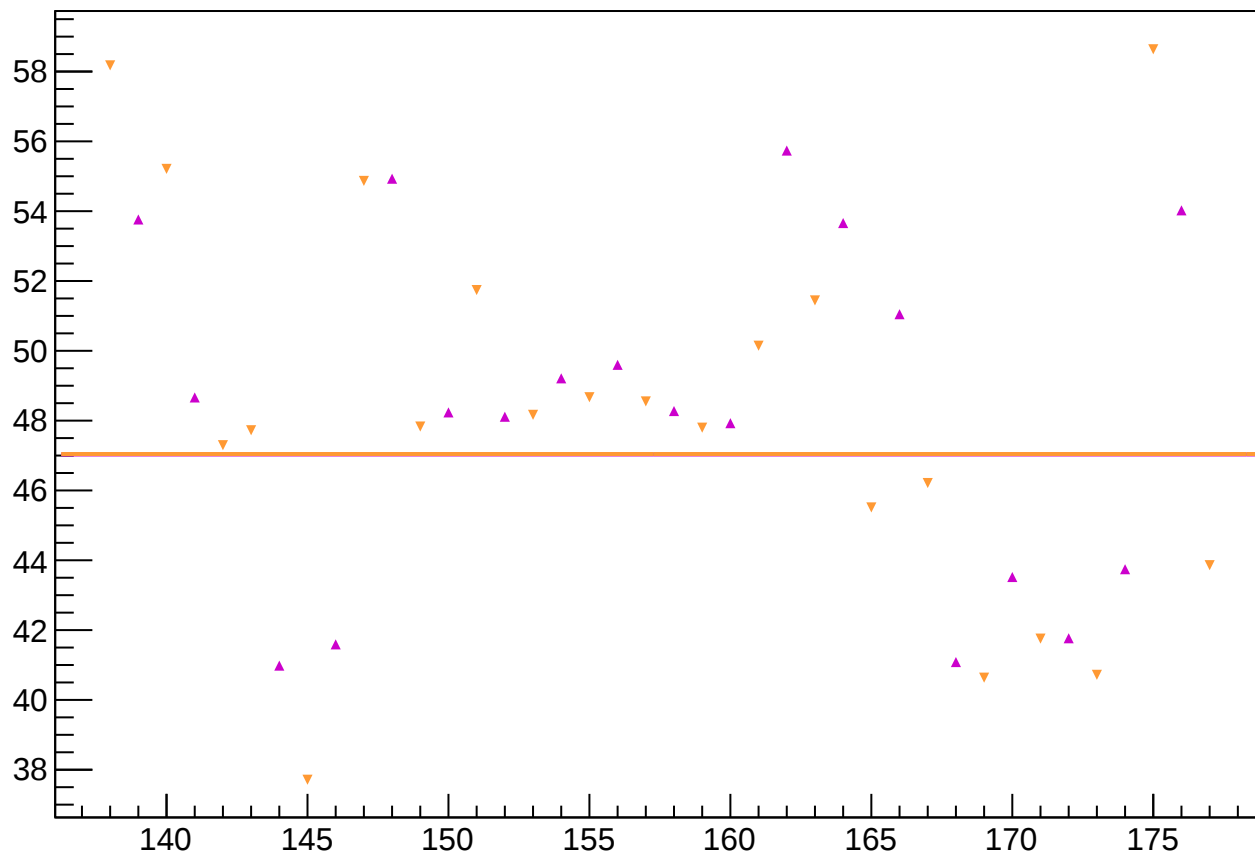
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.161+/-12.358 χ^2/NDF :20.7/18

Out: -34.927+/-11.946 χ^2/NDF :23.4/20

All: -26.345+/-8.589 χ^2/NDF : 45.1/39

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 47.043+/-0.008 χ^2/NDF : 421032.4/20

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

Left In: 47.031+/-0.009 χ^2/NDF : 293976.7/18

Left: 47.037+/-0.006 χ^2/NDF : 715010.2/39

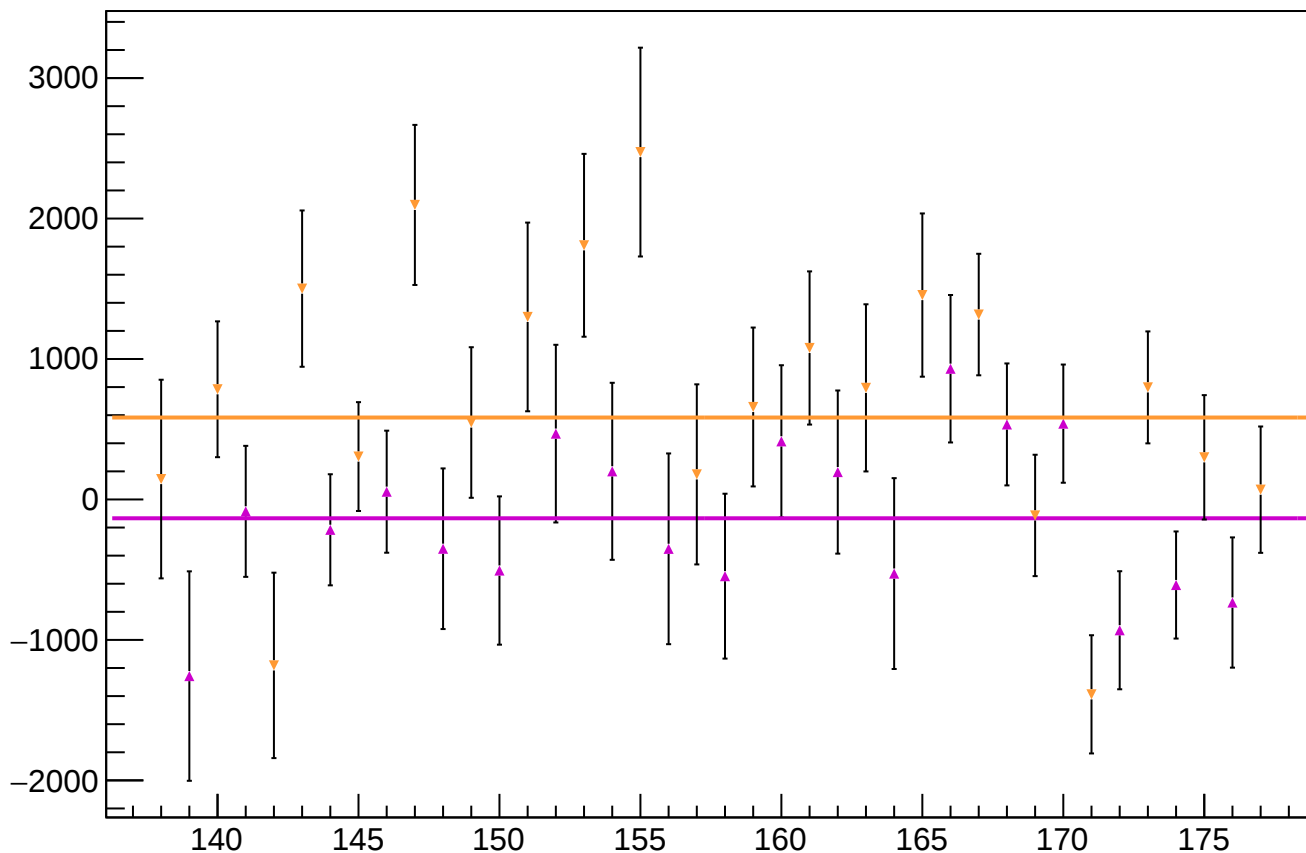
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.031+/-0.009 χ^2/NDF : 293976.7/18

Out: 47.043+/-0.008 χ^2/NDF : 421032.4/20

All: 47.037+/-0.006 χ^2/NDF : 715010.2/39

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: 583.325+/-112.649 χ^2/NDF :62.2/20

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

Left In: -134.040+/-115.368 χ^2/NDF :22.5/18

Left: 233.198+/-80.599 χ^2/NDF : 104.5/39

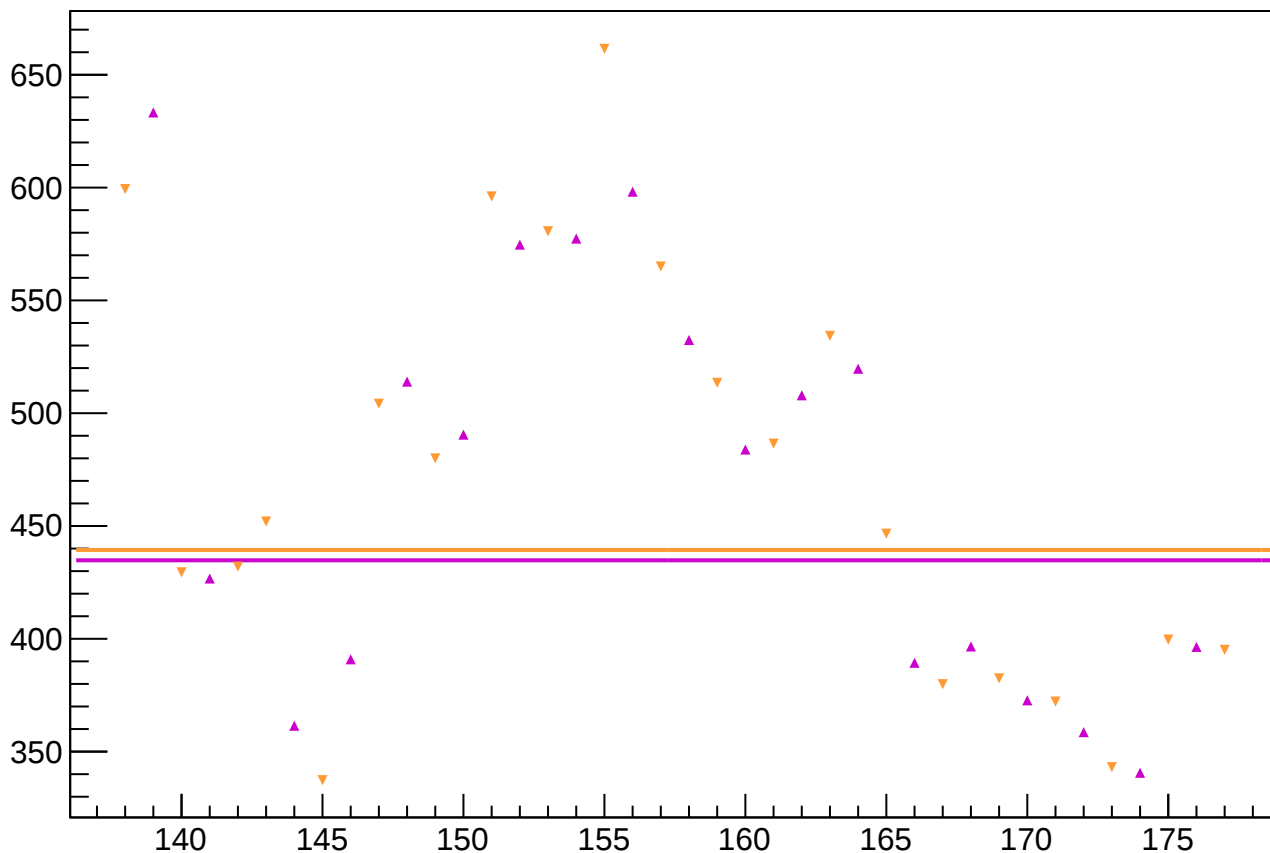
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -134.040+/-115.368 χ^2/NDF :22.5/18

Out: 583.325+/-112.649 χ^2/NDF :62.2/20

All: 233.198+/-80.599 χ^2/NDF : 104.5/39

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: 439.385+/-0.080 χ^2/NDF :1115140.5/20

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

Left In: 434.799+/-0.082 χ^2/NDF :1018417.5/18

Left: 437.147+/-0.057 χ^2/NDF : 2135175.5/39

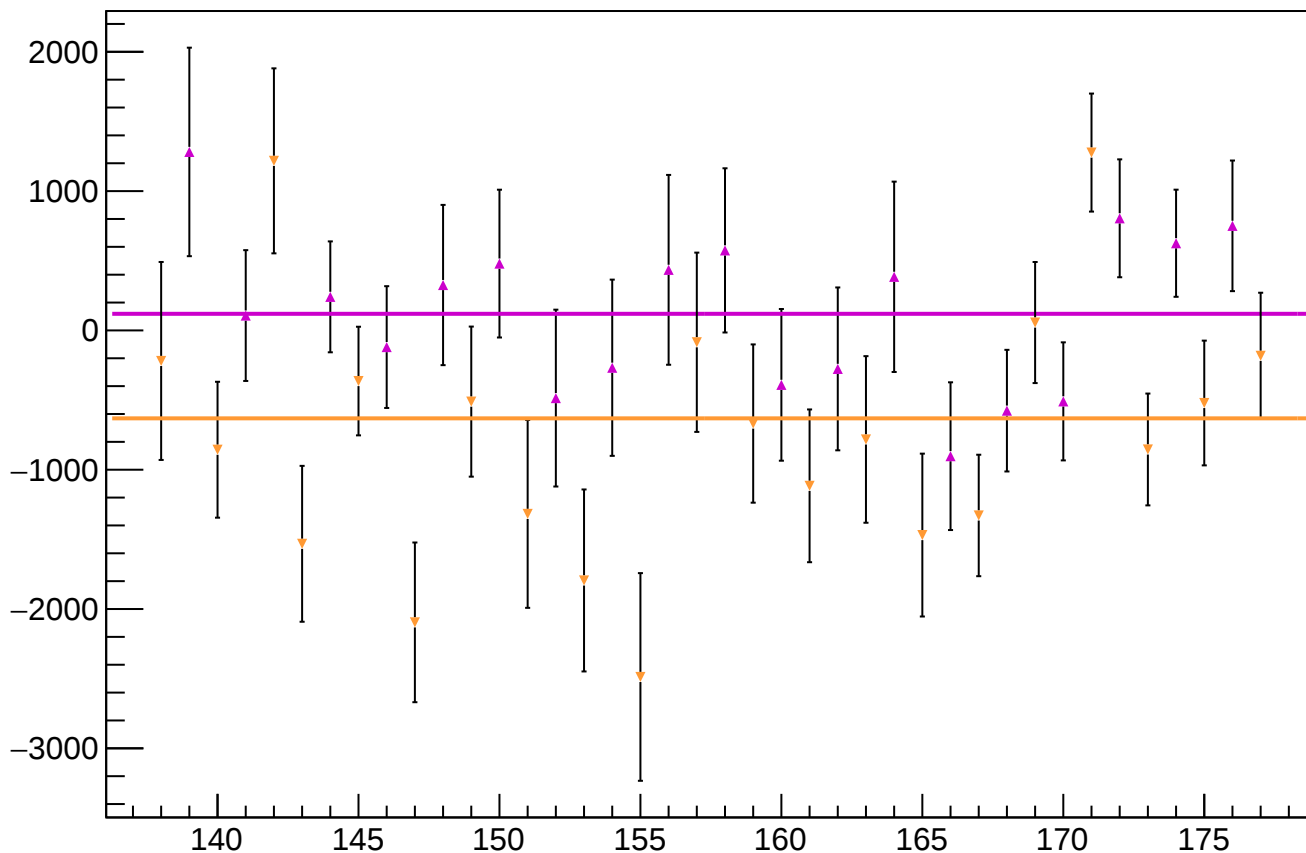
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 434.799+/-0.082 χ^2/NDF :1018417.5/18

Out: 439.385+/-0.080 χ^2/NDF :1115140.5/20

All: 437.147+/-0.057 χ^2/NDF : 2135175.5/39

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -631.261+/-113.360 χ^2/NDF :58.7/20

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

Left In: 119.194+/-116.116 χ^2/NDF :21.6/18

Left: -265.043+/-81.115 χ^2/NDF : 101.7/39

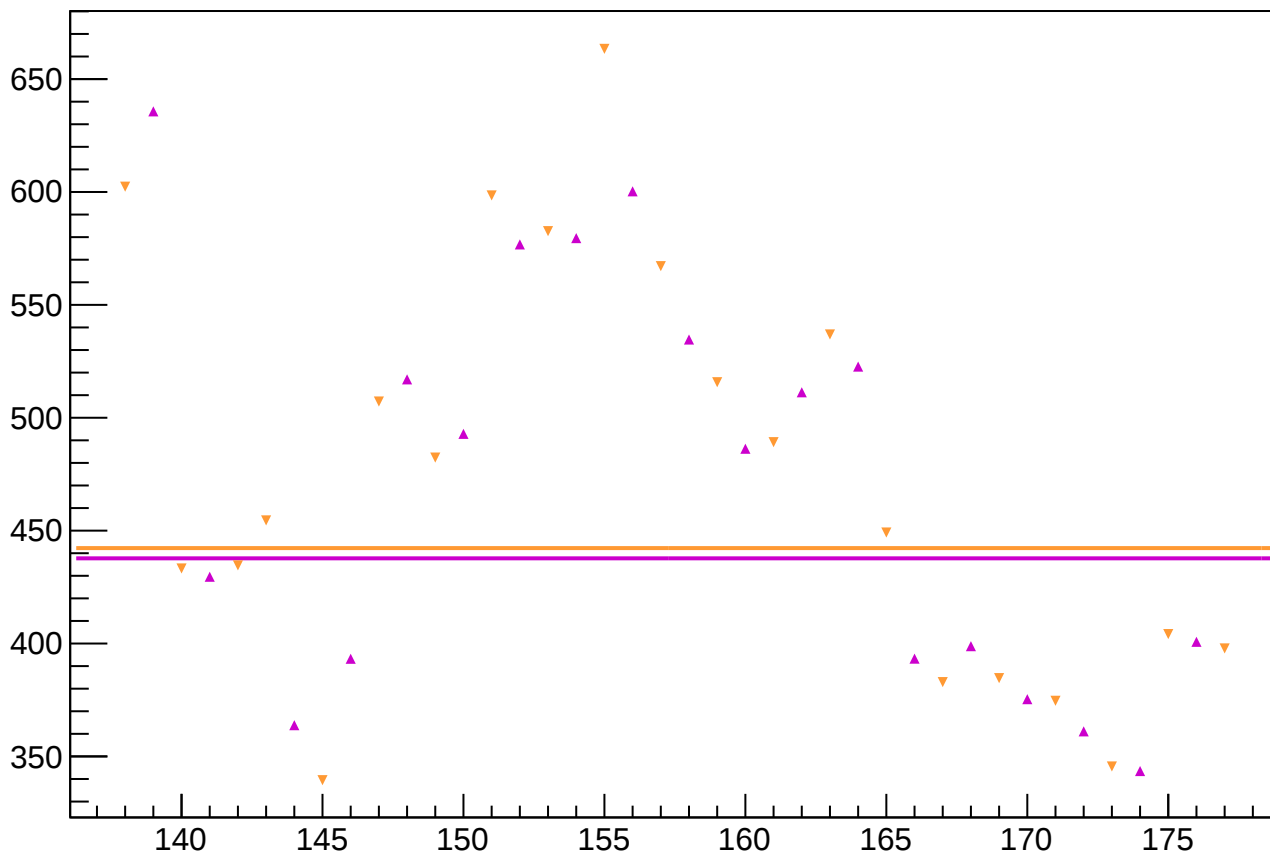
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 119.194+/-116.116 χ^2/NDF :21.6/18

Out: -631.261+/-113.360 χ^2/NDF :58.7/20

All: -265.043+/-81.115 χ^2/NDF : 101.7/39

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 442.268+/-0.080 χ^2/NDF :1101695.4/20

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

Left In: 437.731+/-0.082 χ^2/NDF :1004057.3/18

Left: 440.054+/-0.057 χ^2/NDF : 2107316.0/39

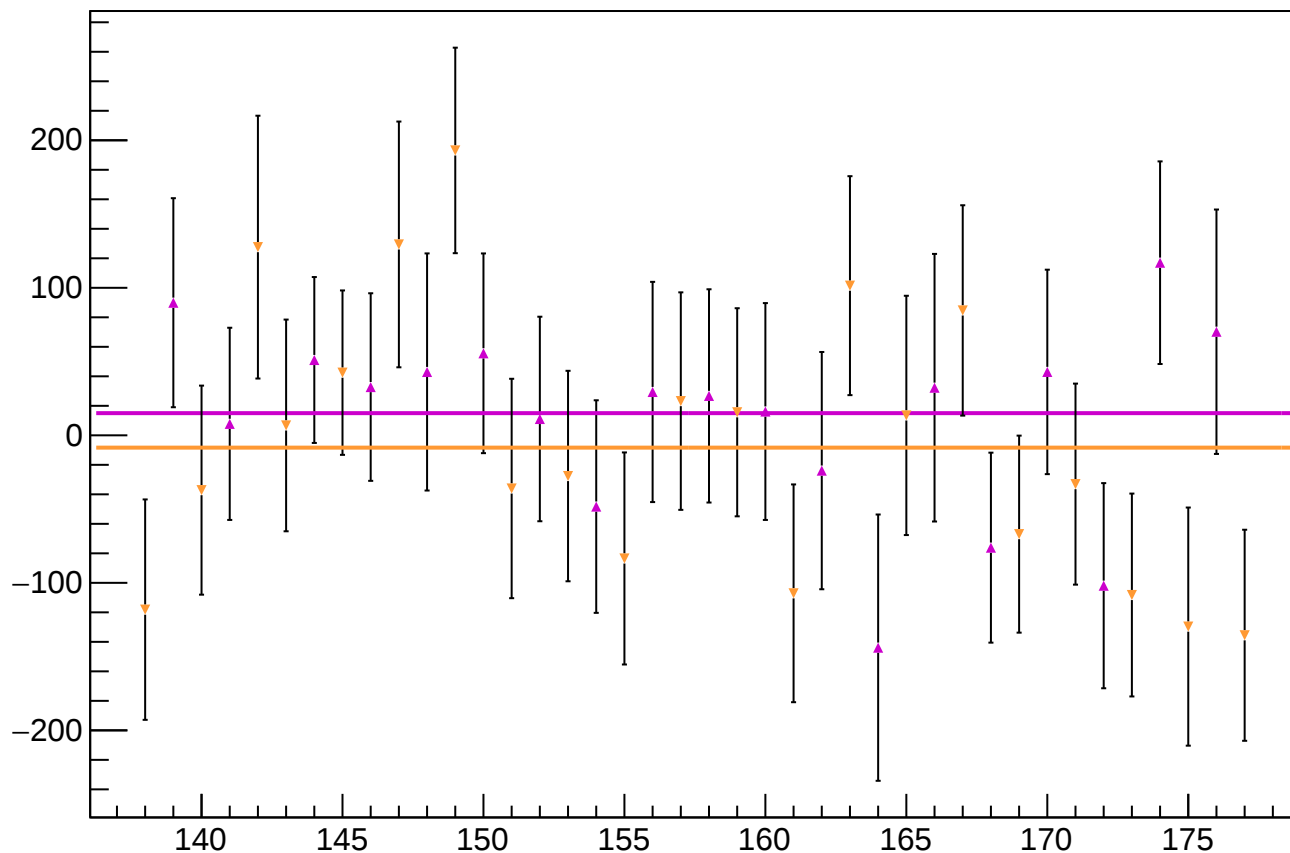
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 437.731+/-0.082 χ^2/NDF :1004057.3/18

Out: 442.268+/-0.080 χ^2/NDF :1101695.4/20

All: 440.054+/-0.057 χ^2/NDF : 2107316.0/39

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: -8.343+/-15.732 χ^2/NDF :32.4/20

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

Left In: 15.037+/-16.349 χ^2/NDF :14.0/18

Left: 2.897+/-11.336 χ^2/NDF : 47.4/39

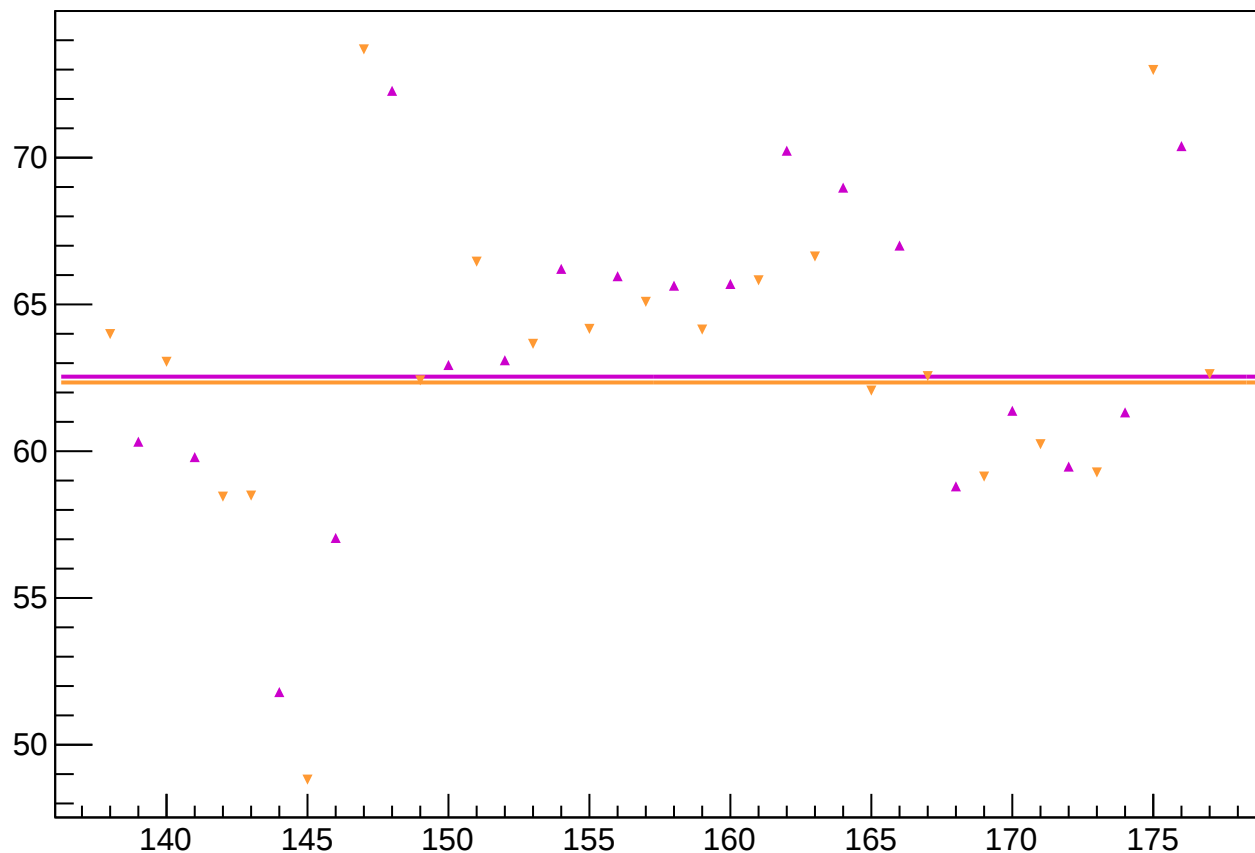
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 15.037+/-16.349 χ^2/NDF :14.0/18

Out: -8.343+/-15.732 χ^2/NDF :32.4/20

All: 2.897+/-11.336 χ^2/NDF : 47.4/39

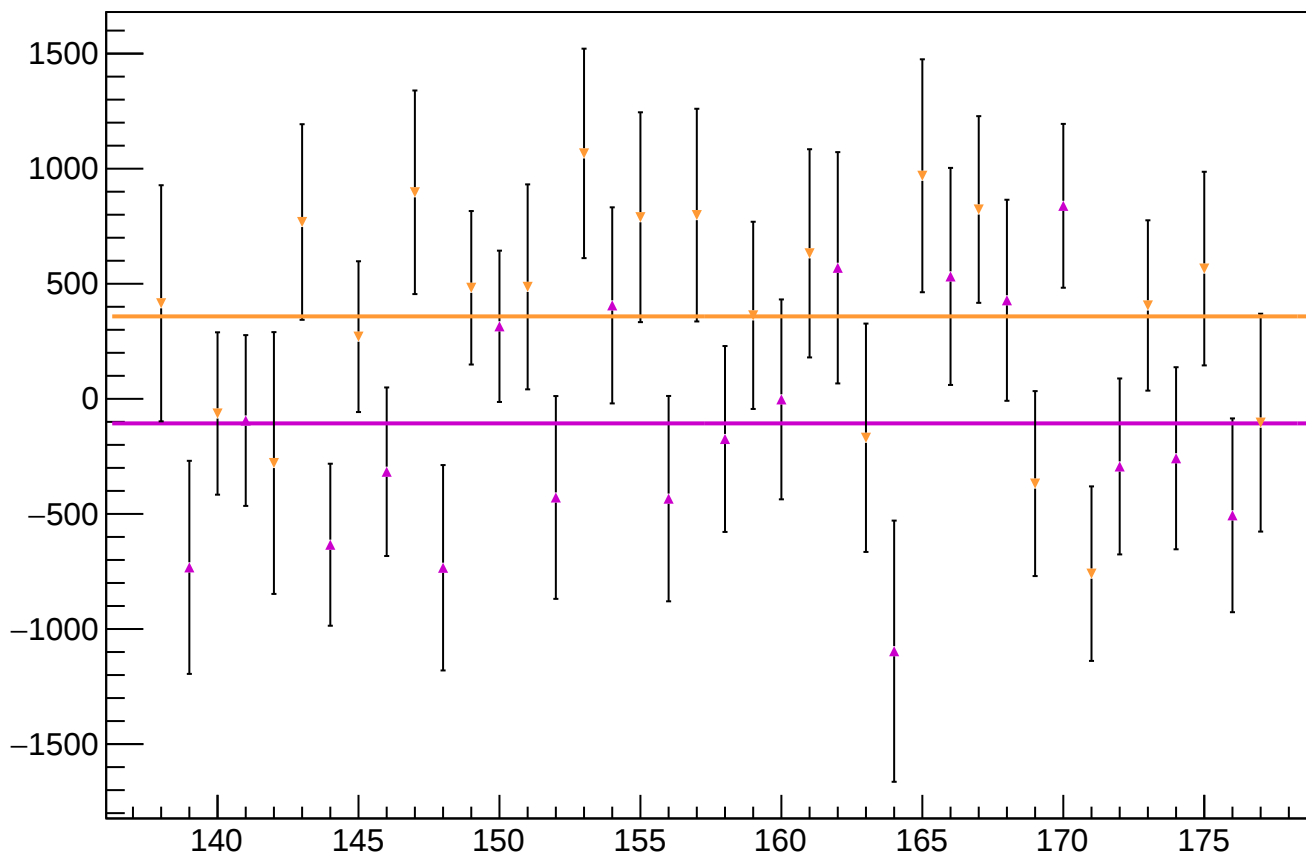
reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 62.341+/-0.011 χ^2/NDF :234421.9/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 62.540+/-0.012 χ^2/NDF :202922.7/18

Left: 62.437+/-0.008 χ^2/NDF : 437497.3/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 62.540+/-0.012 χ^2/NDF :202922.7/18
 Out: 62.341+/-0.011 χ^2/NDF :234421.9/20
 All: 62.437+/-0.008 χ^2/NDF : 437497.3/39

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 358.254 $\pm$ 91.742 χ^2 /NDF:27.1/20

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

Left In: -106.598 $\pm$ 94.308 χ^2 /NDF:27.2/18

Left: 132.239 $\pm$ 65.760 χ^2 /NDF: 66.7/39

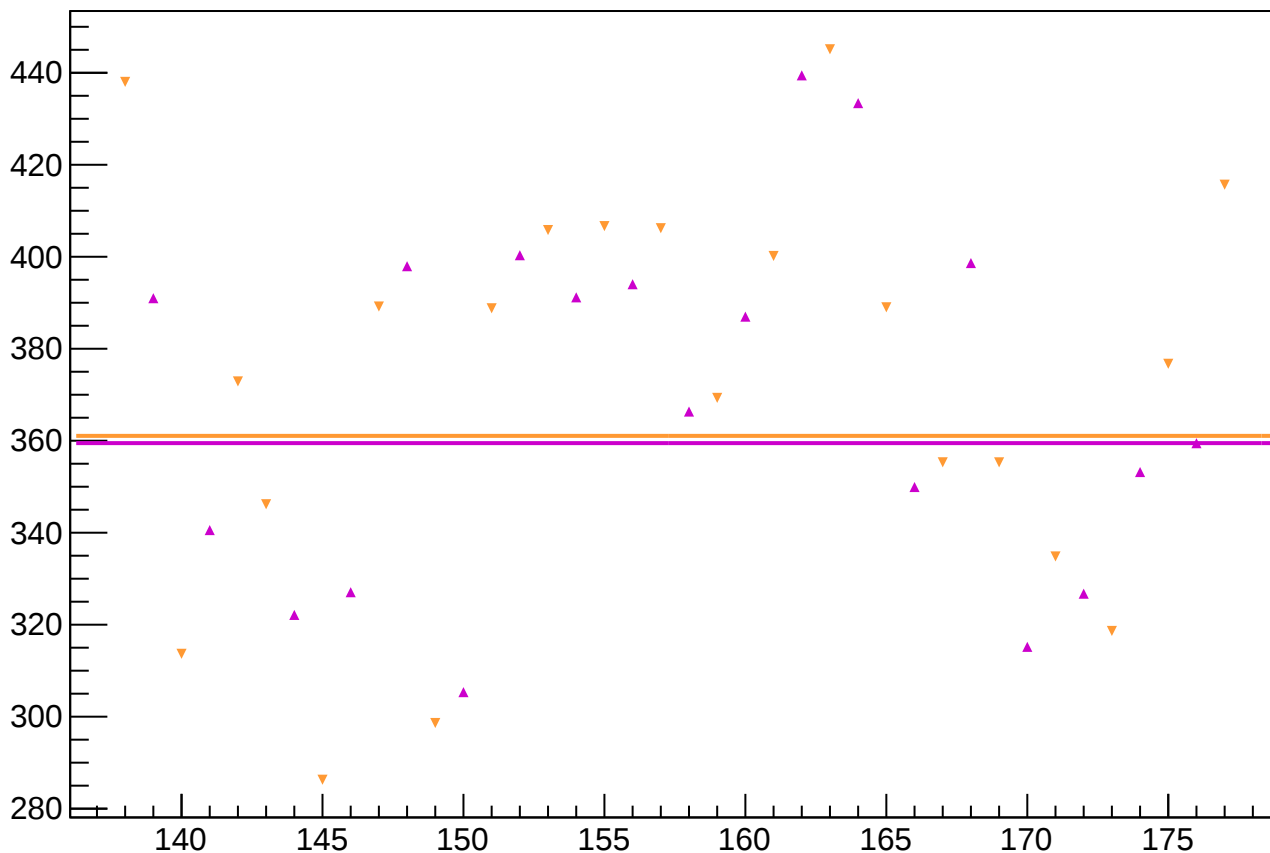
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -106.598 $\pm$ 94.308 χ^2 /NDF:27.2/18

Out: 358.254 $\pm$ 91.742 χ^2 /NDF:27.1/20

All: 132.239 $\pm$ 65.760 χ^2 /NDF: 66.7/39

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: 361.057+/-0.065 χ^2/NDF : 478407.5/20

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

Left In: 359.479+/-0.067 χ^2/NDF : 318277.1/18

Left: 360.290+/-0.046 χ^2/NDF : 796972.3/39

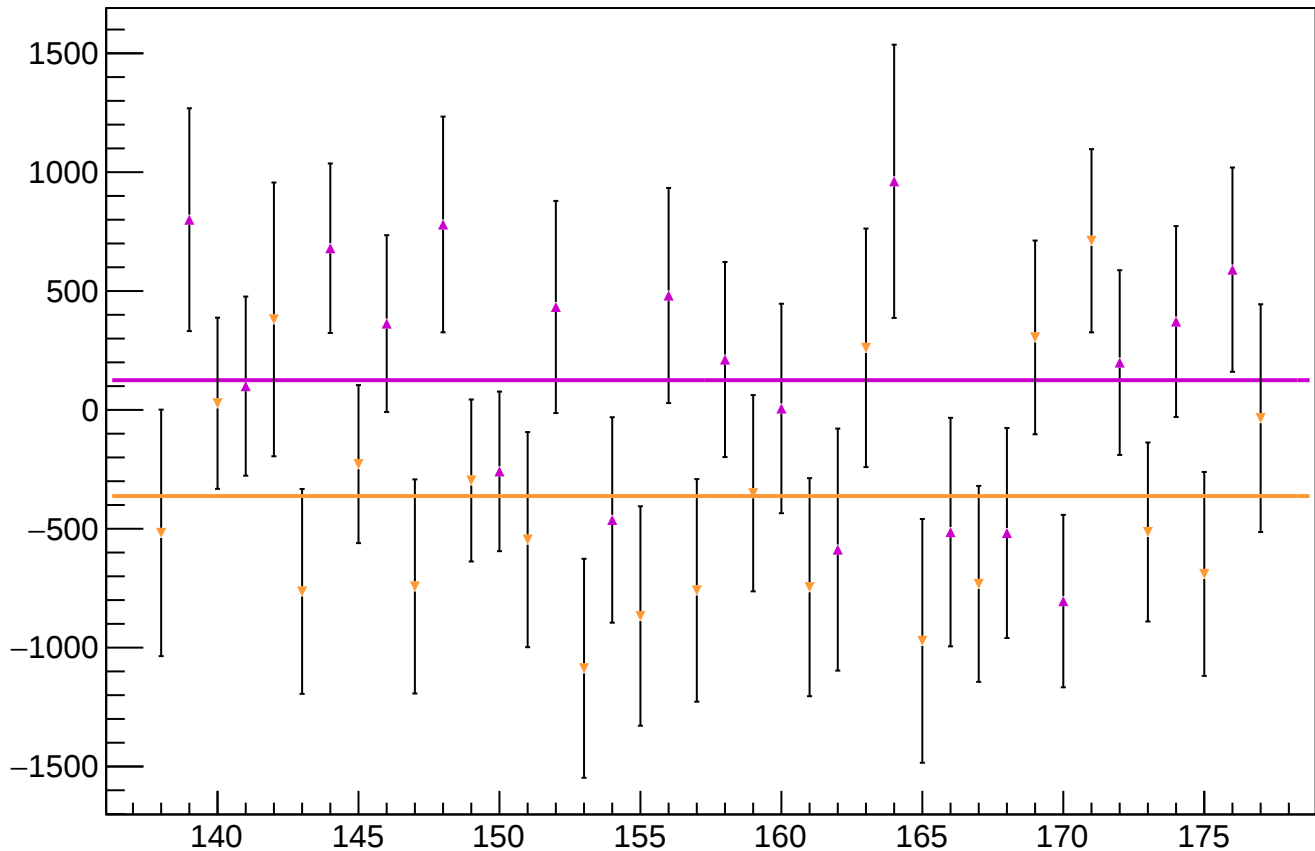
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 359.479+/-0.067 χ^2/NDF : 318277.1/18

Out: 361.057+/-0.065 χ^2/NDF : 478407.5/20

All: 360.290+/-0.046 χ^2/NDF : 796972.3/39

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -362.427+/-93.175 χ^2/NDF :25.4/20

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

Left In: 124.963+/-95.795 χ^2/NDF :27.5/18

Left: -125.489+/-66.792 χ^2/NDF : 66.2/39

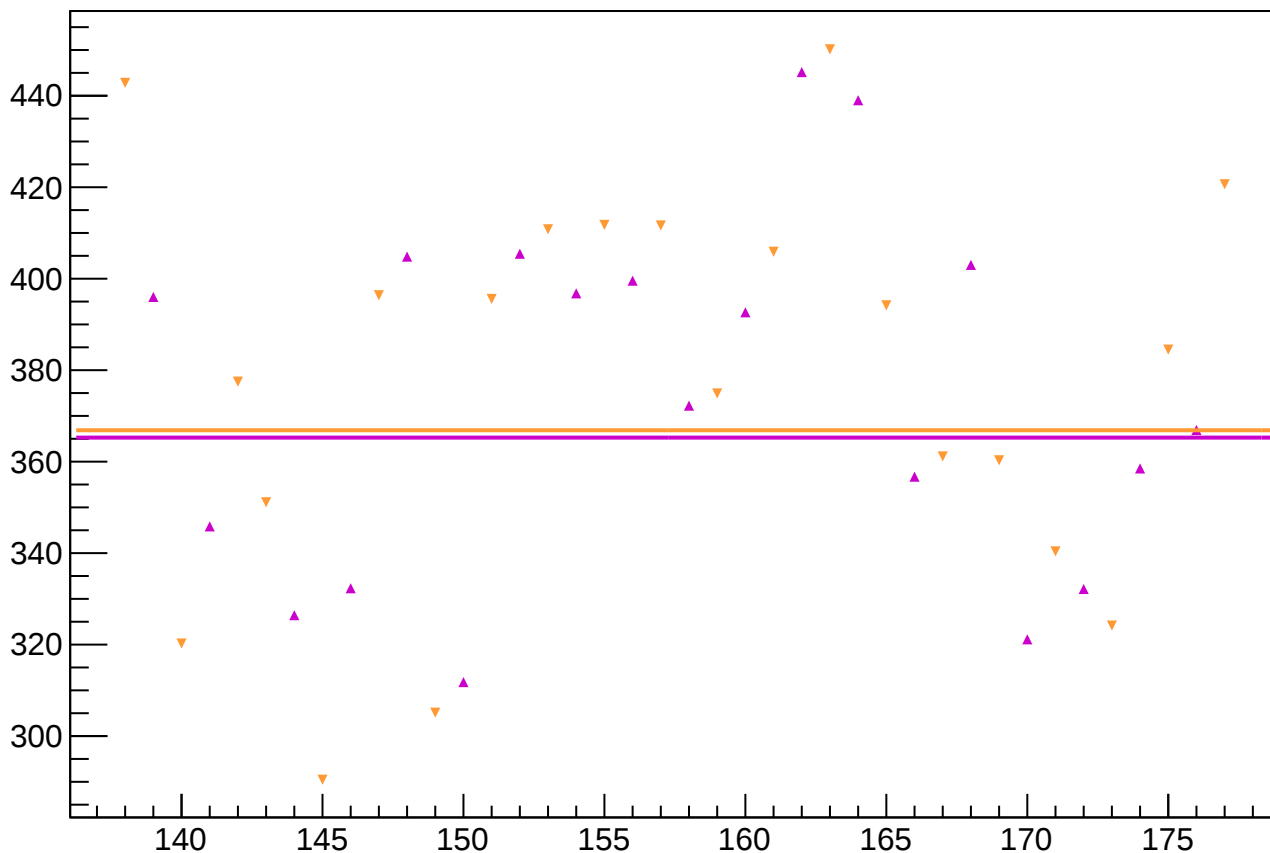
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 124.963+/-95.795 χ^2/NDF :27.5/18

Out: -362.427+/-93.175 χ^2/NDF :25.4/20

All: -125.489+/-66.792 χ^2/NDF : 66.2/39

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 366.862+/-0.066 χ^2/NDF :464025.0/20

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

Left In: 365.258+/-0.068 χ^2/NDF :308150.8/18

Left: 366.082+/-0.047 χ^2/NDF : 772463.7/39

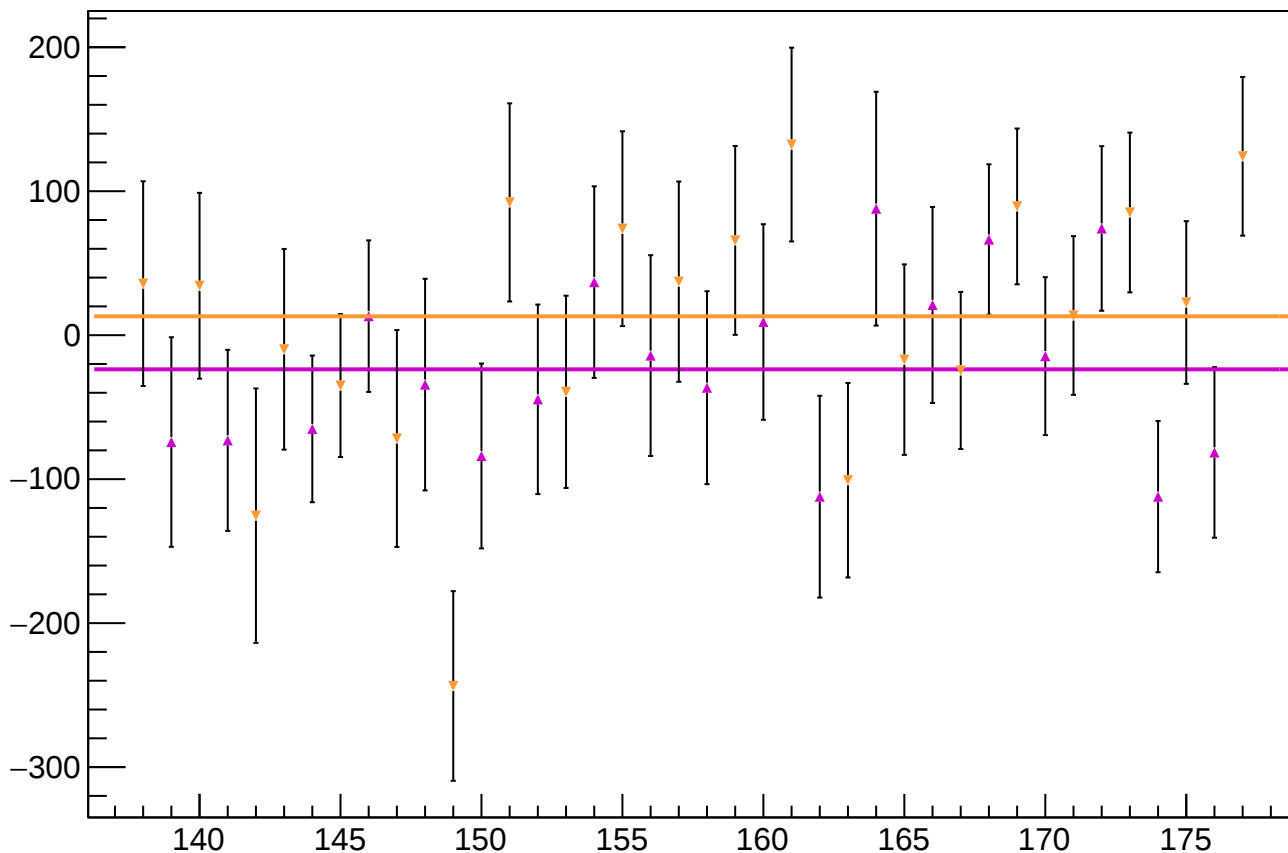
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 365.258+/-0.068 χ^2/NDF :308150.8/18

Out: 366.862+/-0.066 χ^2/NDF :464025.0/20

All: 366.082+/-0.047 χ^2/NDF : 772463.7/39

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: 13.120+/-13.710 χ^2/NDF :38.1/20

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

Left In: -23.719+/-14.225 χ^2/NDF :18.0/18

Left: -4.620+/-9.871 χ^2/NDF : 59.6/39

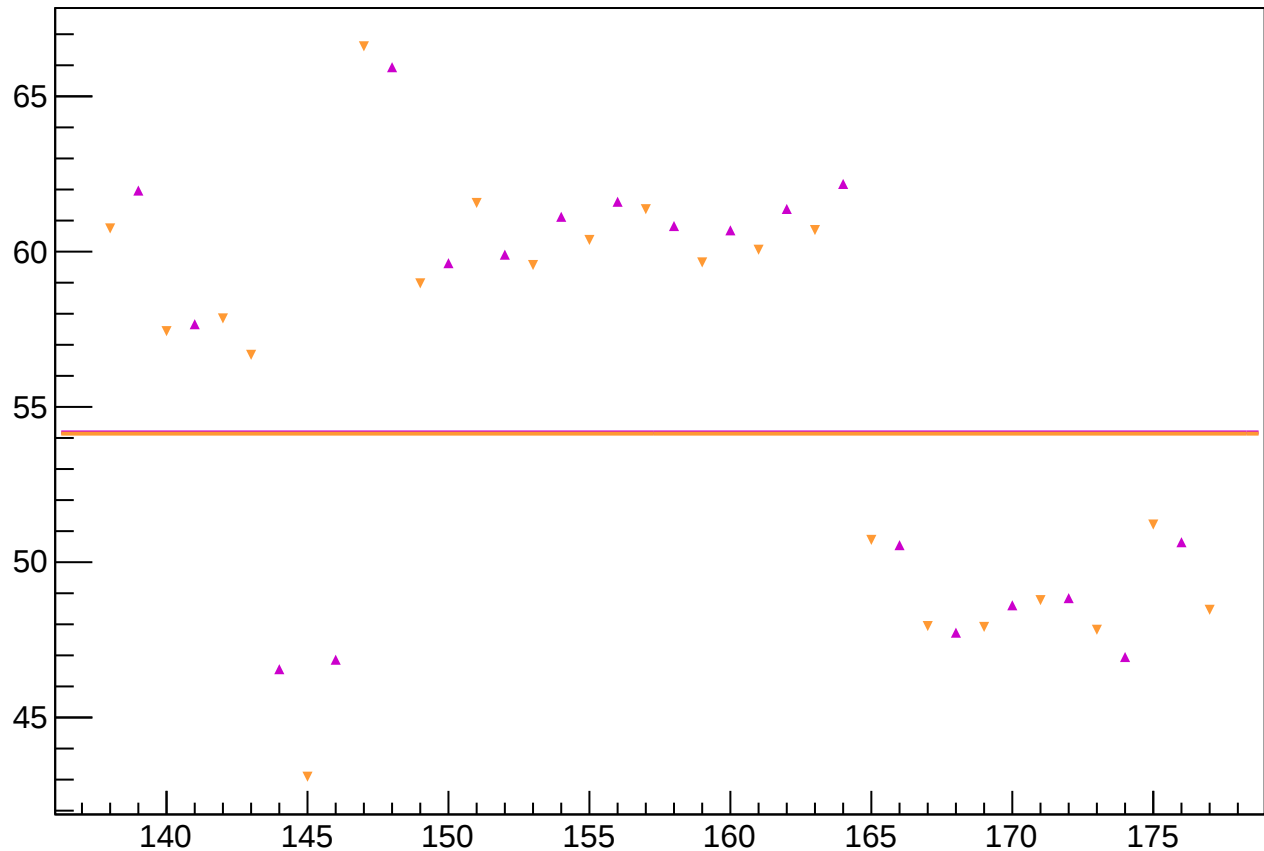
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -23.719+/-14.225 χ^2/NDF :18.0/18

Out: 13.120+/-13.710 χ^2/NDF :38.1/20

All: -4.620+/-9.871 χ^2/NDF : 59.6/39

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 54.140+/-0.010 χ^2/NDF :445961.1/20

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

Left In: 54.178+/-0.010 χ^2/NDF :435488.8/18

Left: 54.158+/-0.007 χ^2/NDF : 881457.2/39

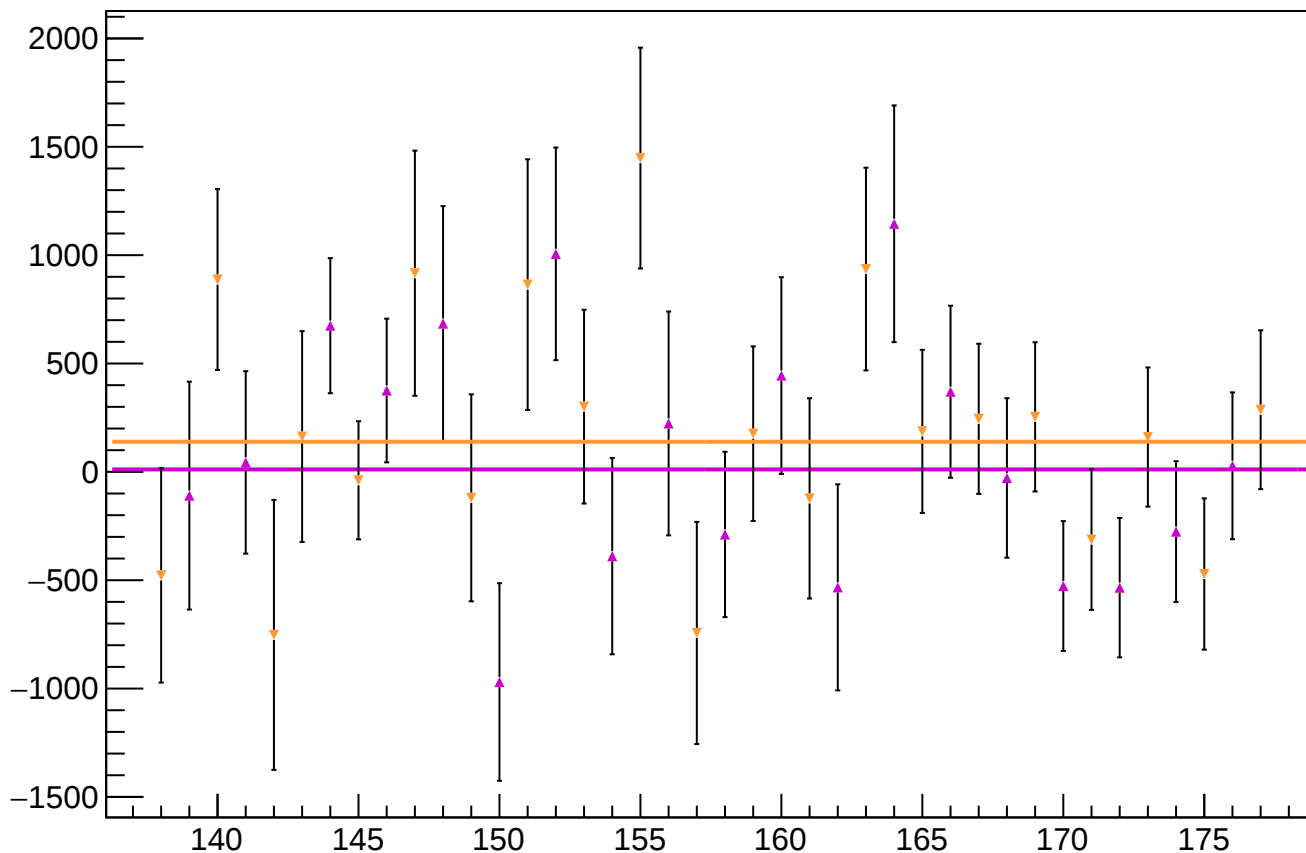
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 54.178+/-0.010 χ^2/NDF :435488.8/18

Out: 54.140+/-0.010 χ^2/NDF :445961.1/20

All: 54.158+/-0.007 χ^2/NDF : 881457.2/39

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 138.902 $\pm$ 88.617 χ^2 /NDF:29.3/20

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

Left In: 11.234 $\pm$ 90.586 χ^2 /NDF:31.9/18

Left: 76.471 $\pm$ 63.346 χ^2 /NDF: 62.2/39

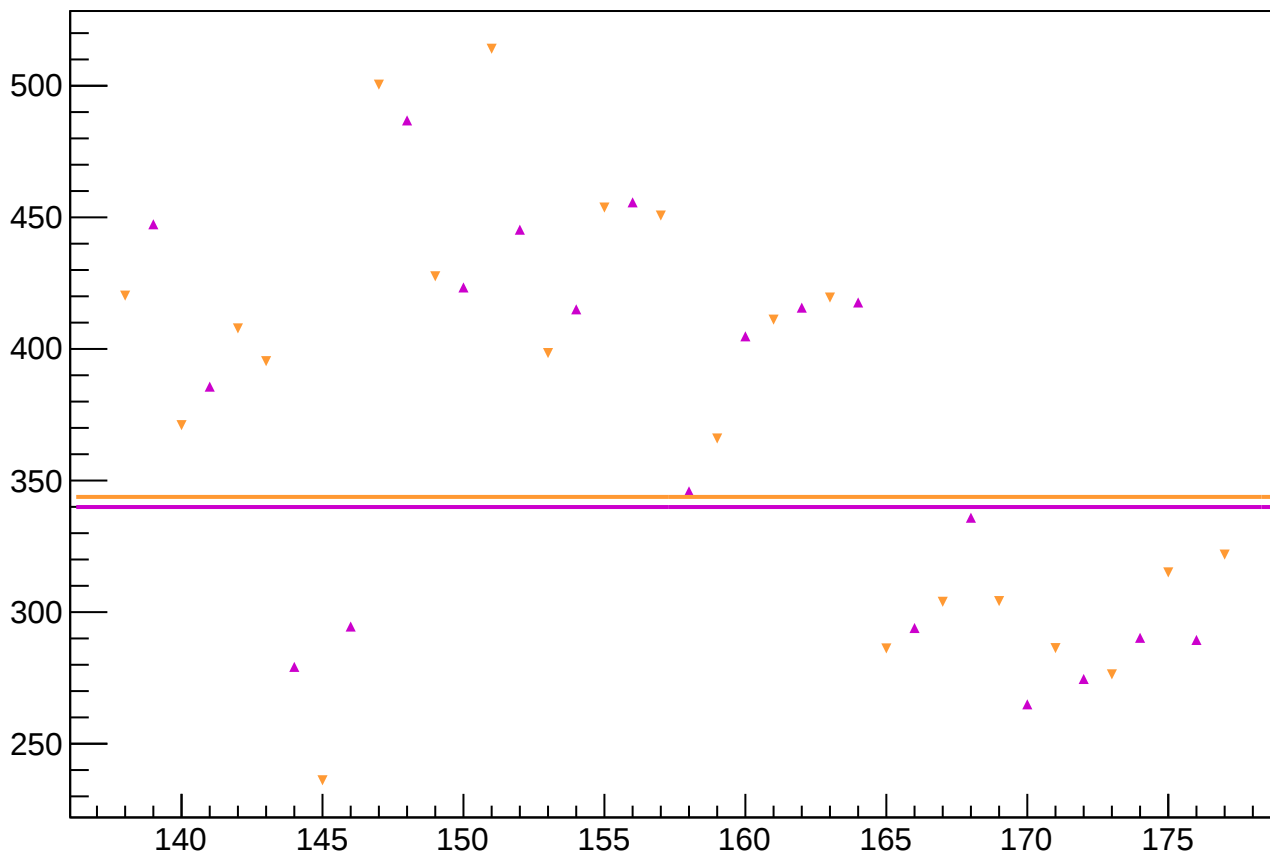
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 11.234 $\pm$ 90.586 χ^2 /NDF:31.9/18

Out: 138.902 $\pm$ 88.617 χ^2 /NDF:29.3/20

All: 76.471 $\pm$ 63.346 χ^2 /NDF: 62.2/39

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: 343.779+/-0.063 χ^2/NDF :1382694.0/20

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

Left In: 339.938+/-0.064 χ^2/NDF :1140789.0/18

Left: 341.901+/-0.045 χ^2/NDF : 2525320.5/39

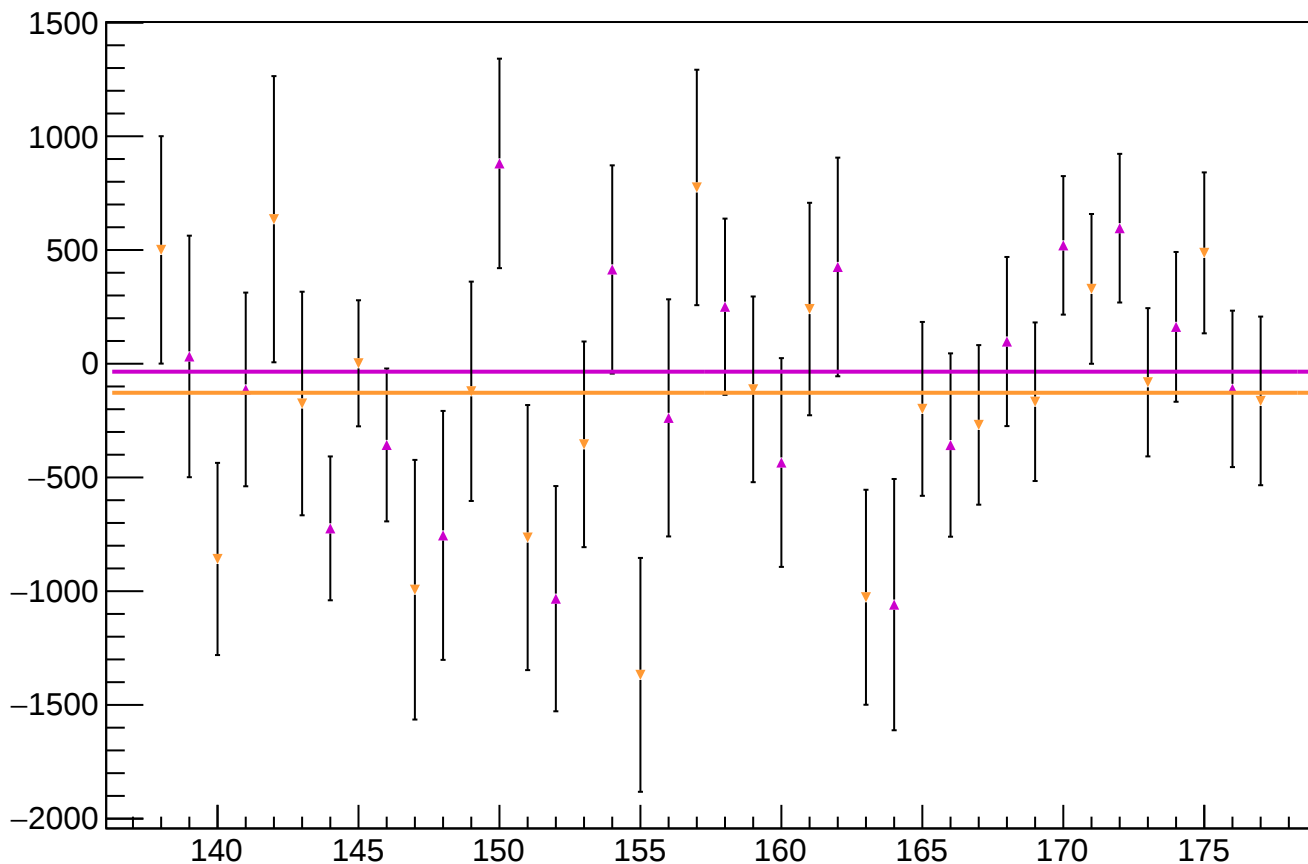
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 339.938+/-0.064 χ^2/NDF :1140789.0/18

Out: 343.779+/-0.063 χ^2/NDF :1382694.0/20

All: 341.901+/-0.045 χ^2/NDF : 2525320.5/39

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -127.672+/-89.733 χ^2/NDF :28.3/20

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

Left In: -34.977+/-91.766 χ^2/NDF :30.5/18

Left: -82.363+/-64.158 χ^2/NDF : 59.3/39

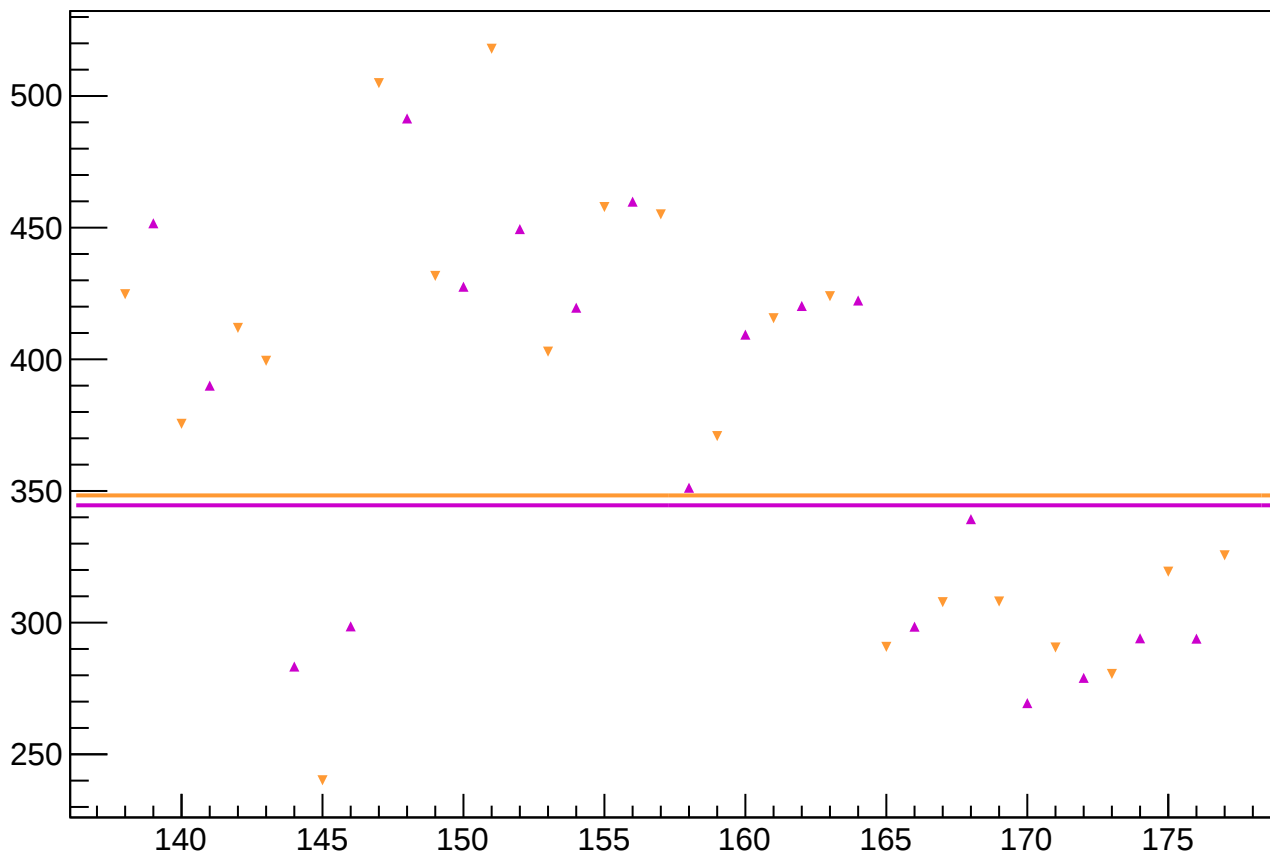
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.977+/-91.766 χ^2/NDF :30.5/18

Out: -127.672+/-89.733 χ^2/NDF :28.3/20

All: -82.363+/-64.158 χ^2/NDF : 59.3/39

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 348.315 $\pm$ 0.063 χ^2 /NDF:1353304.8/20

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

Left In: 344.555 $\pm$ 0.065 χ^2 /NDF:1116027.4/18

Left: 346.477 $\pm$ 0.045 χ^2 /NDF: 2471048.9/39

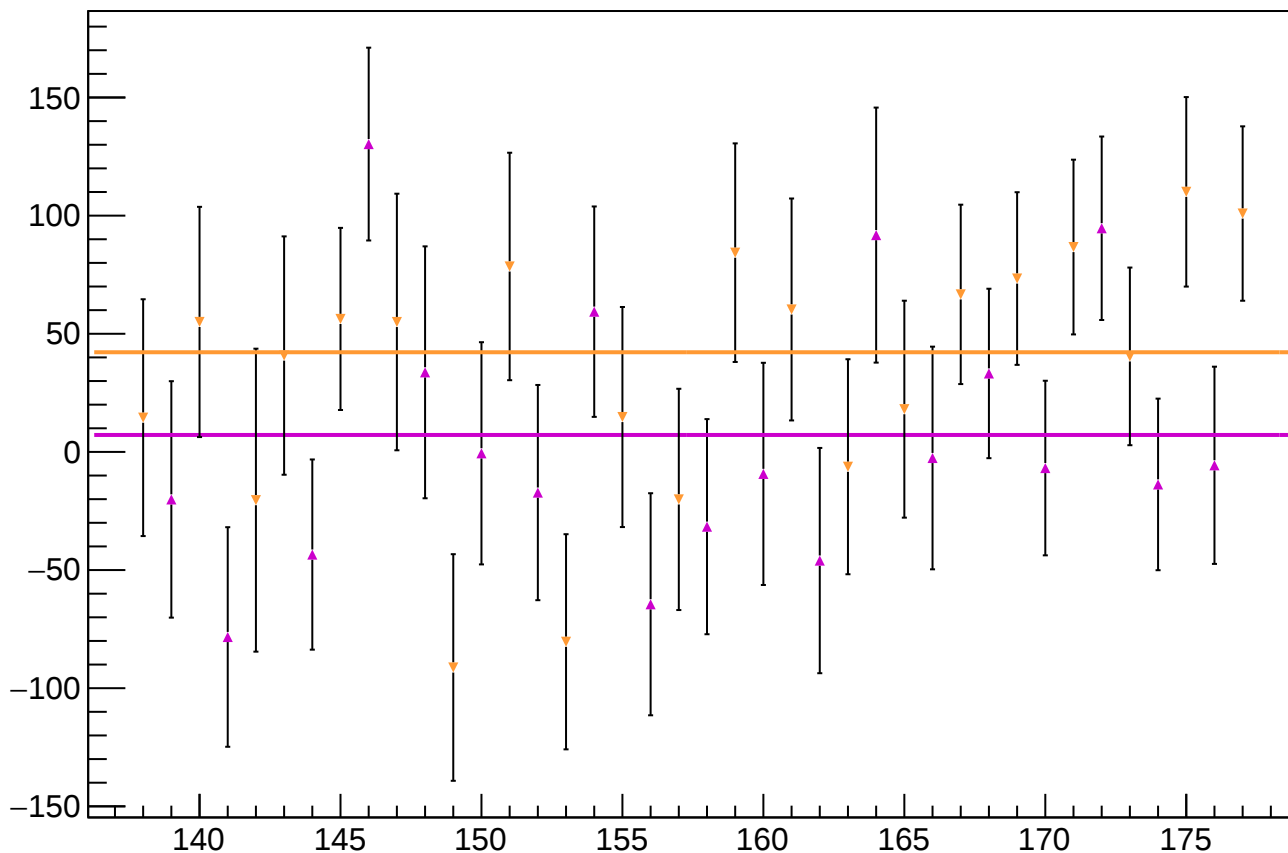
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 344.555 $\pm$ 0.065 χ^2 /NDF:1116027.4/18

Out: 348.315 $\pm$ 0.063 χ^2 /NDF:1353304.8/20

All: 346.477 $\pm$ 0.045 χ^2 /NDF: 2471048.9/39

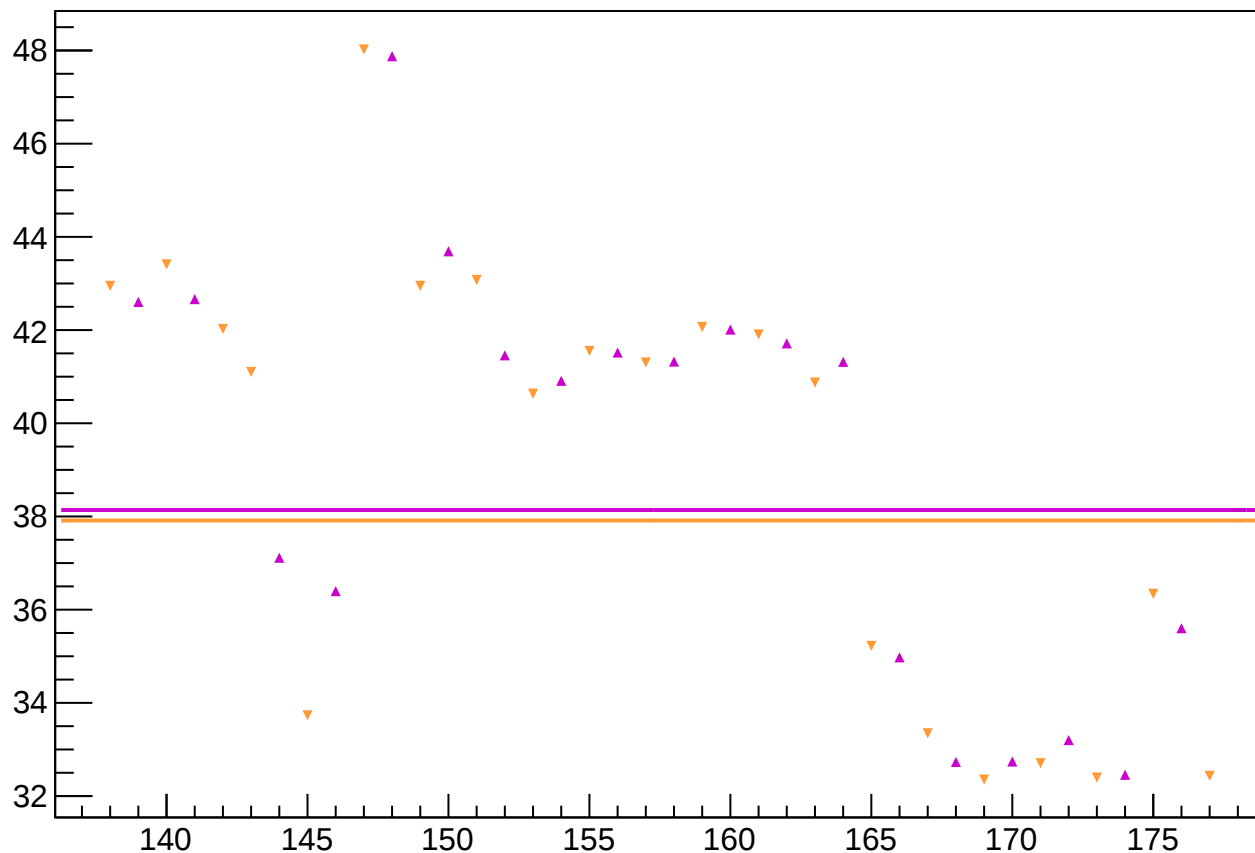
reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 42.181 $\pm$ 9.600 χ^2 /NDF:29.6/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 7.176 $\pm$ 10.000 χ^2 /NDF:29.4/18

Left: 25.393 $\pm$ 6.925 χ^2 /NDF: 65.3/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 7.176 $\pm$ 10.000 χ^2 /NDF:29.4/18
 Out: 42.181 $\pm$ 9.600 χ^2 /NDF:29.6/20
 All: 25.393 $\pm$ 6.925 χ^2 /NDF: 65.3/39

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: 37.914+/-0.007 χ^2/NDF :480671.3/20

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

Left In: 38.139+/-0.007 χ^2/NDF :390594.9/18

Left: 38.022+/-0.005 χ^2/NDF : 871792.8/39

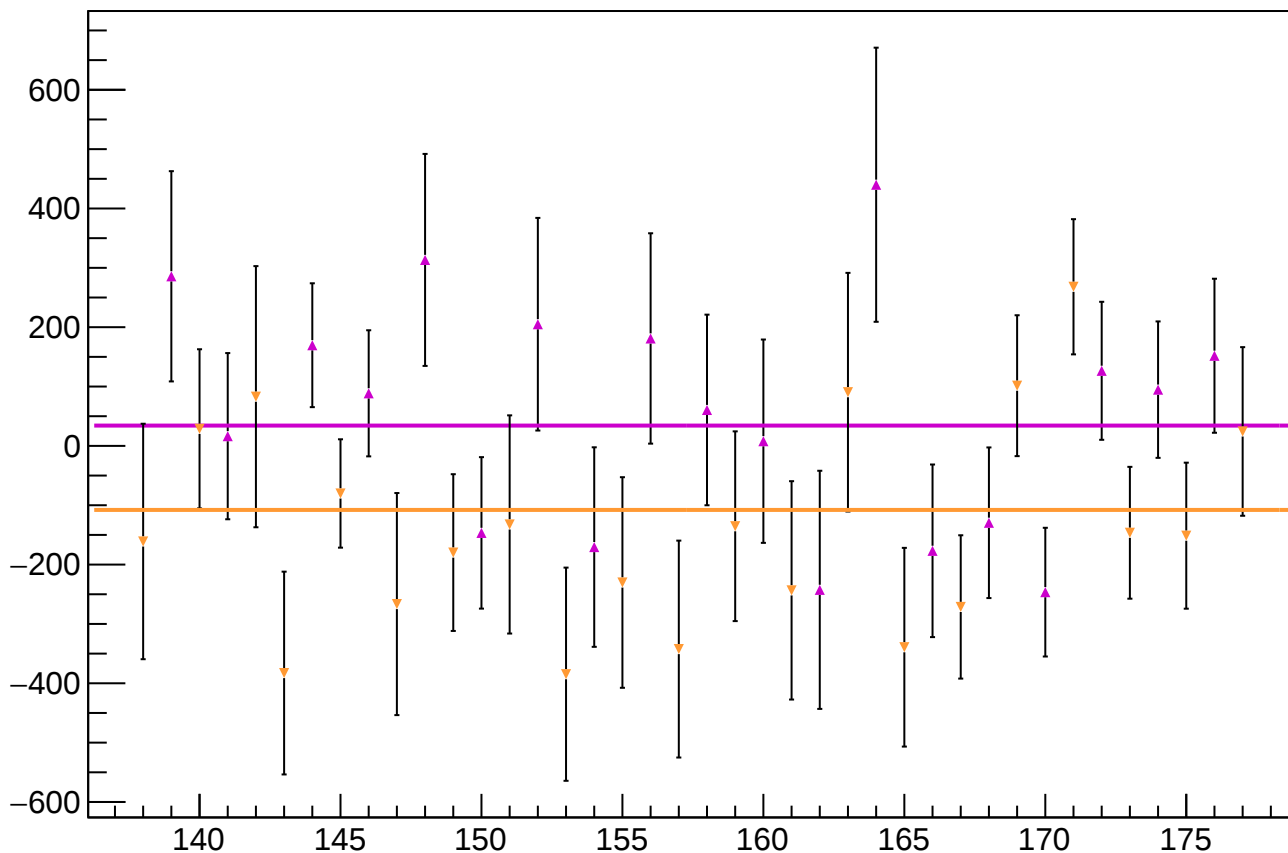
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.139+/-0.007 χ^2/NDF :390594.9/18

Out: 37.914+/-0.007 χ^2/NDF :480671.3/20

All: 38.022+/-0.005 χ^2/NDF : 871792.8/39

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: -107.896+/-31.520 χ^2/NDF :30.5/20

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

Left In: 34.225+/-32.036 χ^2/NDF :28.7/18

Left: -37.990+/-22.468 χ^2/NDF : 69.2/39

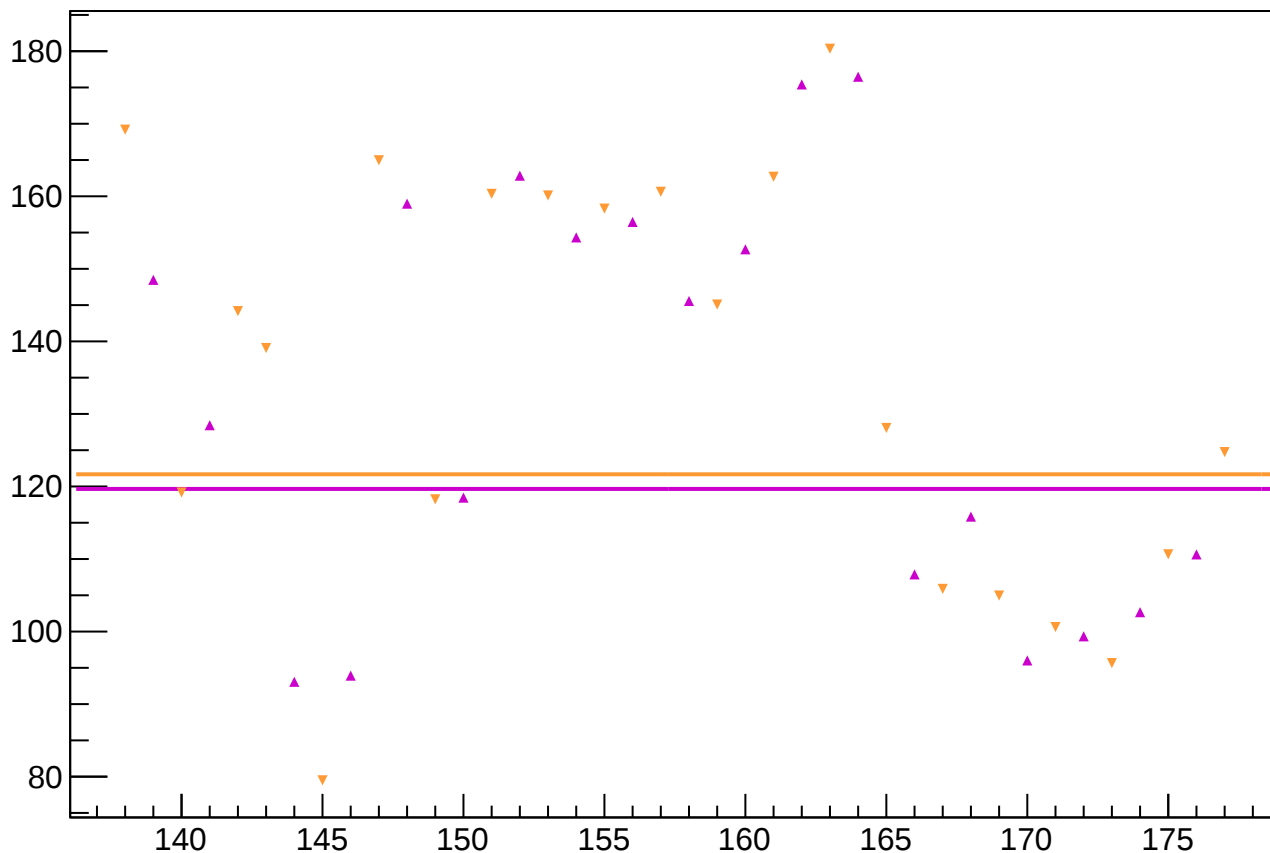
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 34.225+/-32.036 χ^2/NDF :28.7/18

Out: -107.896+/-31.520 χ^2/NDF :30.5/20

All: -37.990+/-22.468 χ^2/NDF : 69.2/39

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 121.679+/-0.022 χ^2/NDF :1633132.4/20

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

Left In: 119.661+/-0.023 χ^2/NDF :1319096.3/18

Left: 120.686+/-0.016 χ^2/NDF : 2956262.9/39

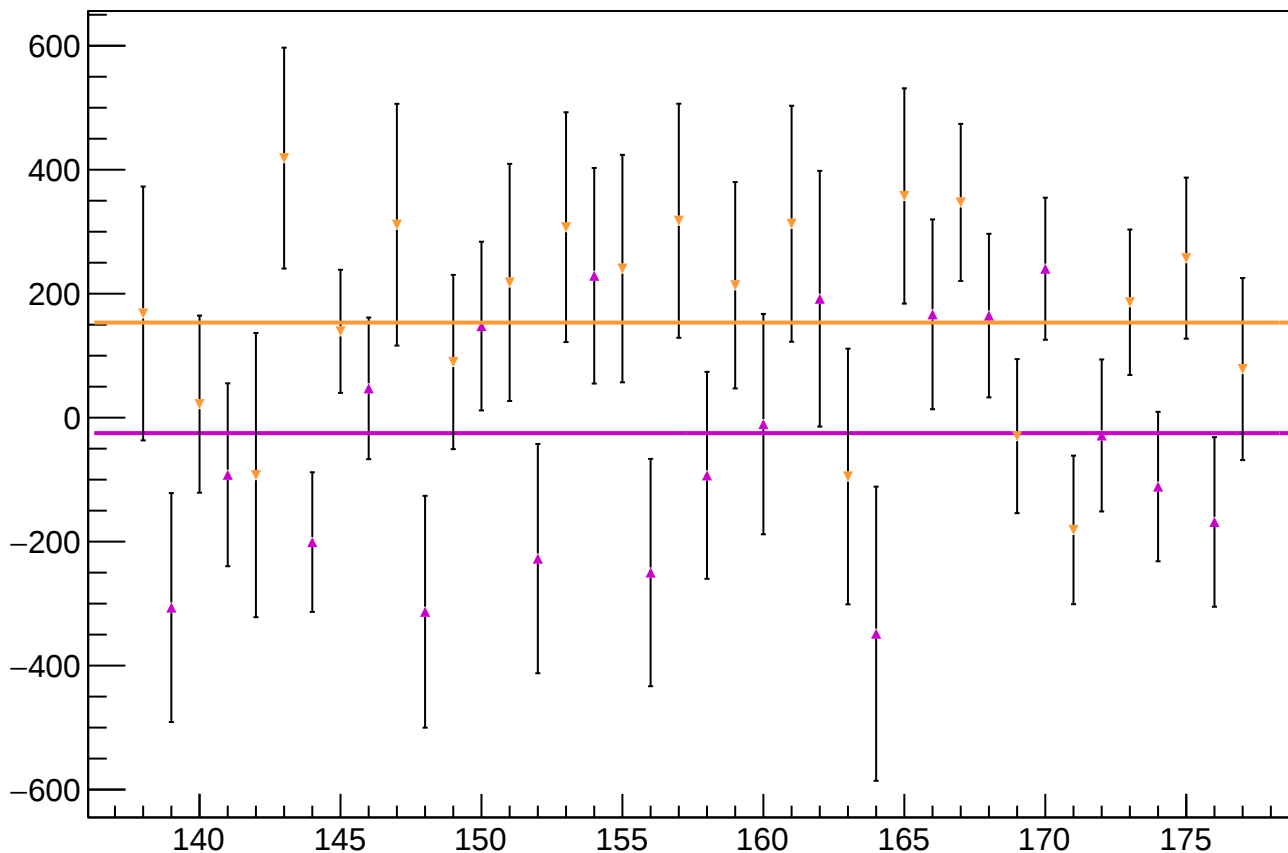
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 119.661+/-0.023 χ^2/NDF :1319096.3/18

Out: 121.679+/-0.022 χ^2/NDF :1633132.4/20

All: 120.686+/-0.016 χ^2/NDF : 2956262.9/39

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: 153.412 $\pm$ 33.130 χ^2 /NDF:23.8/20

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

Left In: -24.921 $\pm$ 33.729 χ^2 /NDF:27.9/18

Left: 65.843 $\pm$ 23.635 χ^2 /NDF: 66.0/39

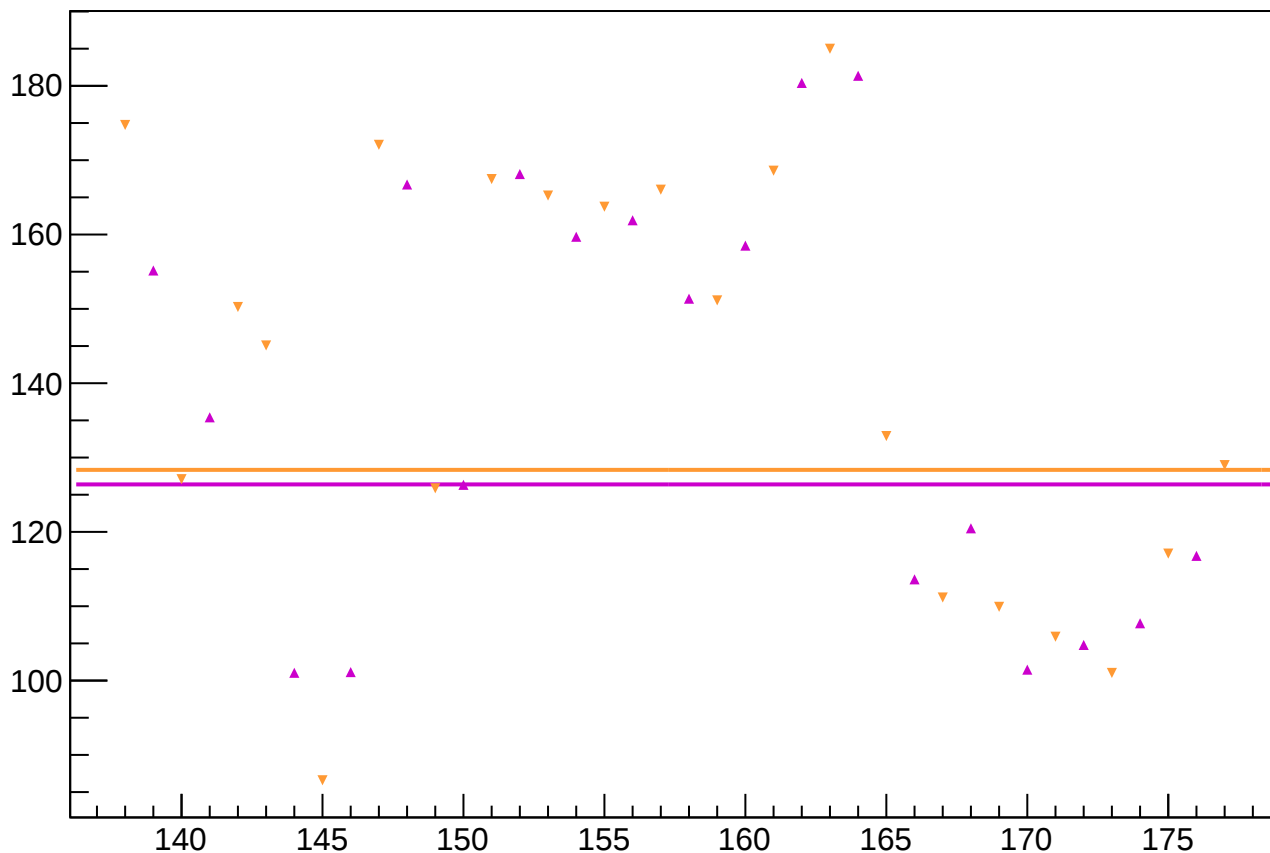
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -24.921 $\pm$ 33.729 χ^2 /NDF:27.9/18

Out: 153.412 $\pm$ 33.130 χ^2 /NDF:23.8/20

All: 65.843 $\pm$ 23.635 χ^2 /NDF: 66.0/39

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 128.344+/-0.023 χ^2/NDF :1463861.5/20

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

Left In: 126.387+/-0.024 χ^2/NDF :1185217.8/18

Left: 127.383+/-0.017 χ^2/NDF : 2652506.0/39

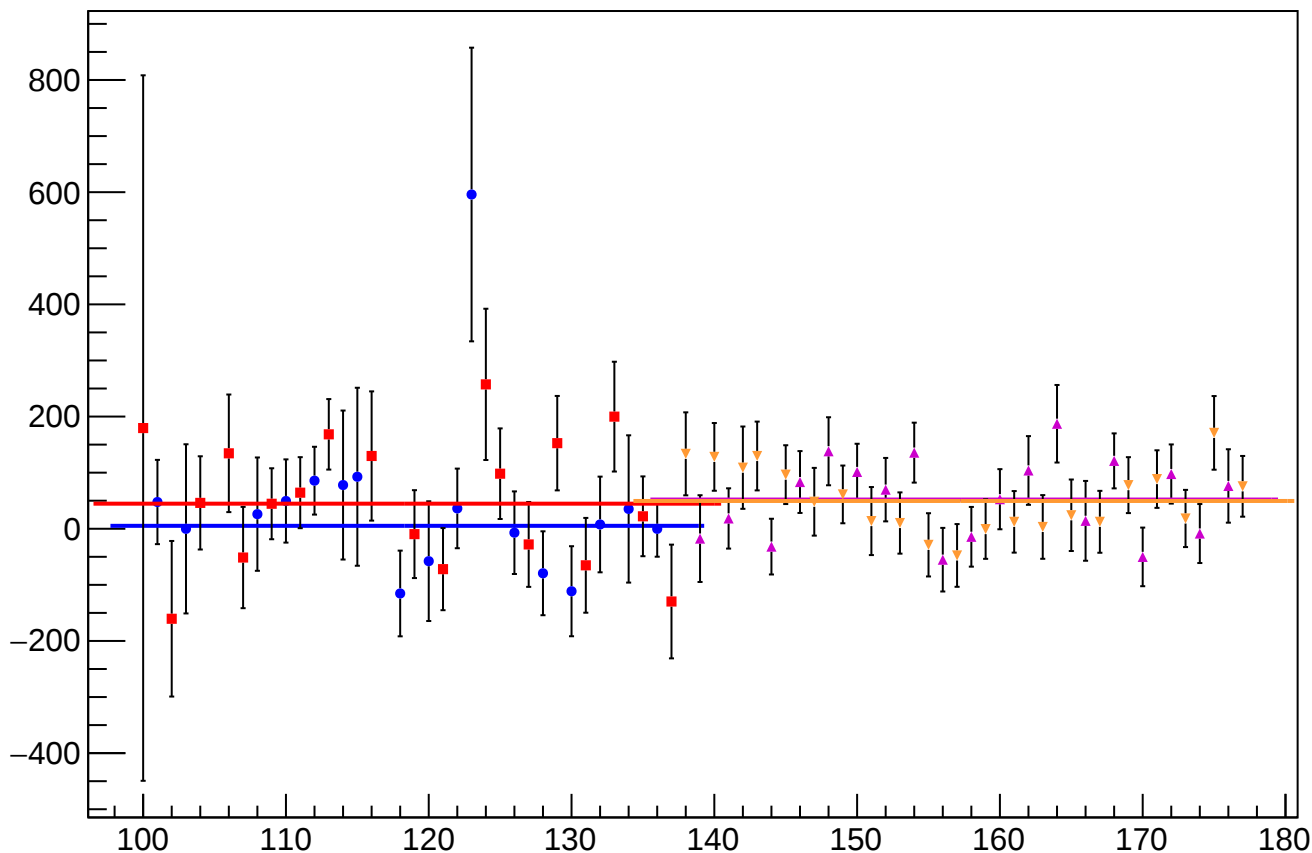
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 126.387+/-0.024 χ^2/NDF :1185217.8/18

Out: 128.344+/-0.023 χ^2/NDF :1463861.5/20

All: 127.383+/-0.017 χ^2/NDF : 2652506.0/39

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: 49.533 $\pm$ 12.423 χ^2 /NDF:19.6/20

Right Out: 44.715 $\pm$ 19.410 χ^2 /NDF: 24.4/18

Left In: 52.078 $\pm$ 12.908 χ^2 /NDF:27.9/18

Left: 50.757 $\pm$ 8.951 χ^2 /NDF: 47.5/39

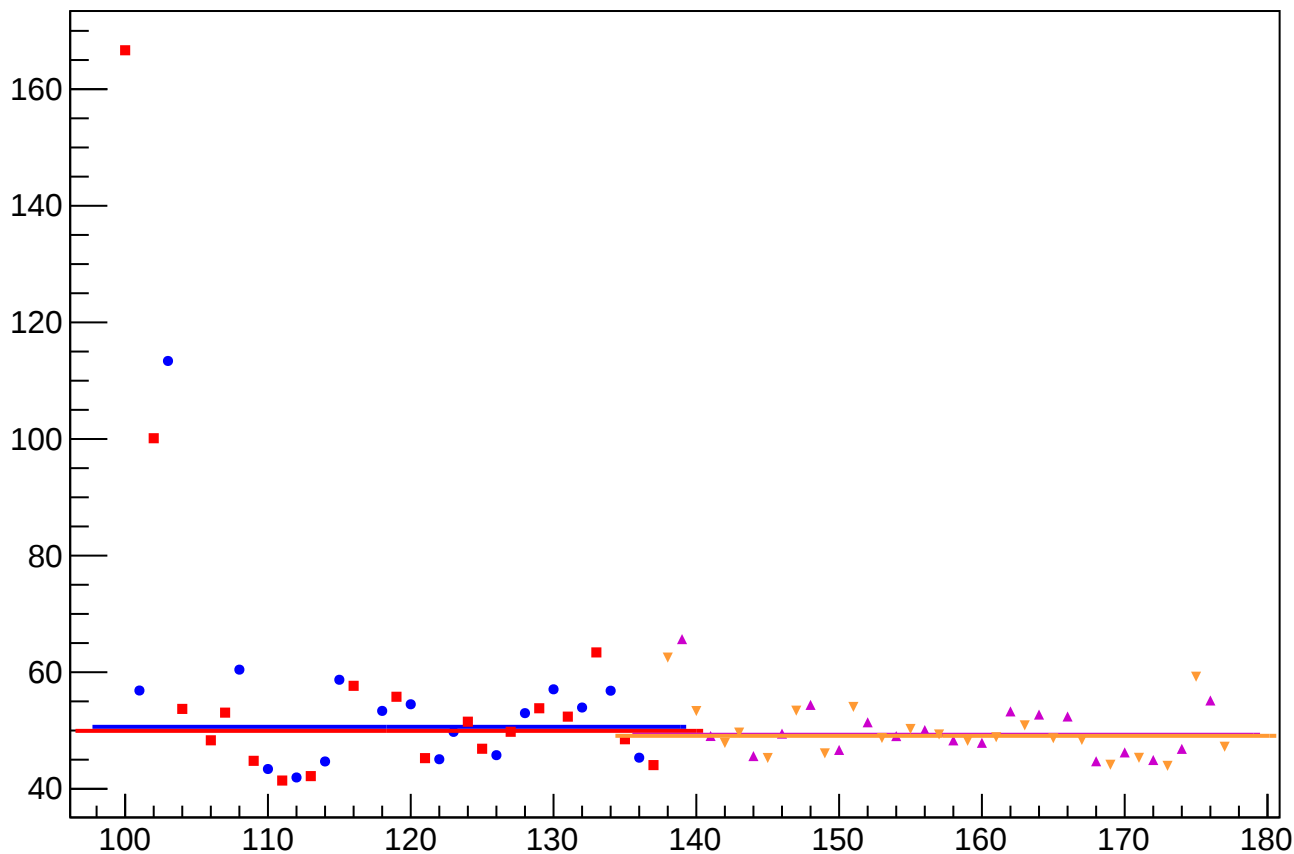
Right: 25.706 $\pm$ 13.979 χ^2 /NDF: 41.1/35

In: 38.445 $\pm$ 10.869 χ^2 /NDF:46.4/35

Out: 48.133 $\pm$ 10.463 χ^2 /NDF:44.0/39

All: 43.473 $\pm$ 7.538 χ^2 /NDF: 90.8/75

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.092 $\pm$ 0.009 χ^2 /NDF: 222487.8/20

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

Left In: 49.273 $\pm$ 0.009 χ^2 /NDF: 201061.5/18

Left: 49.179 $\pm$ 0.006 χ^2 /NDF: 423754.6/39

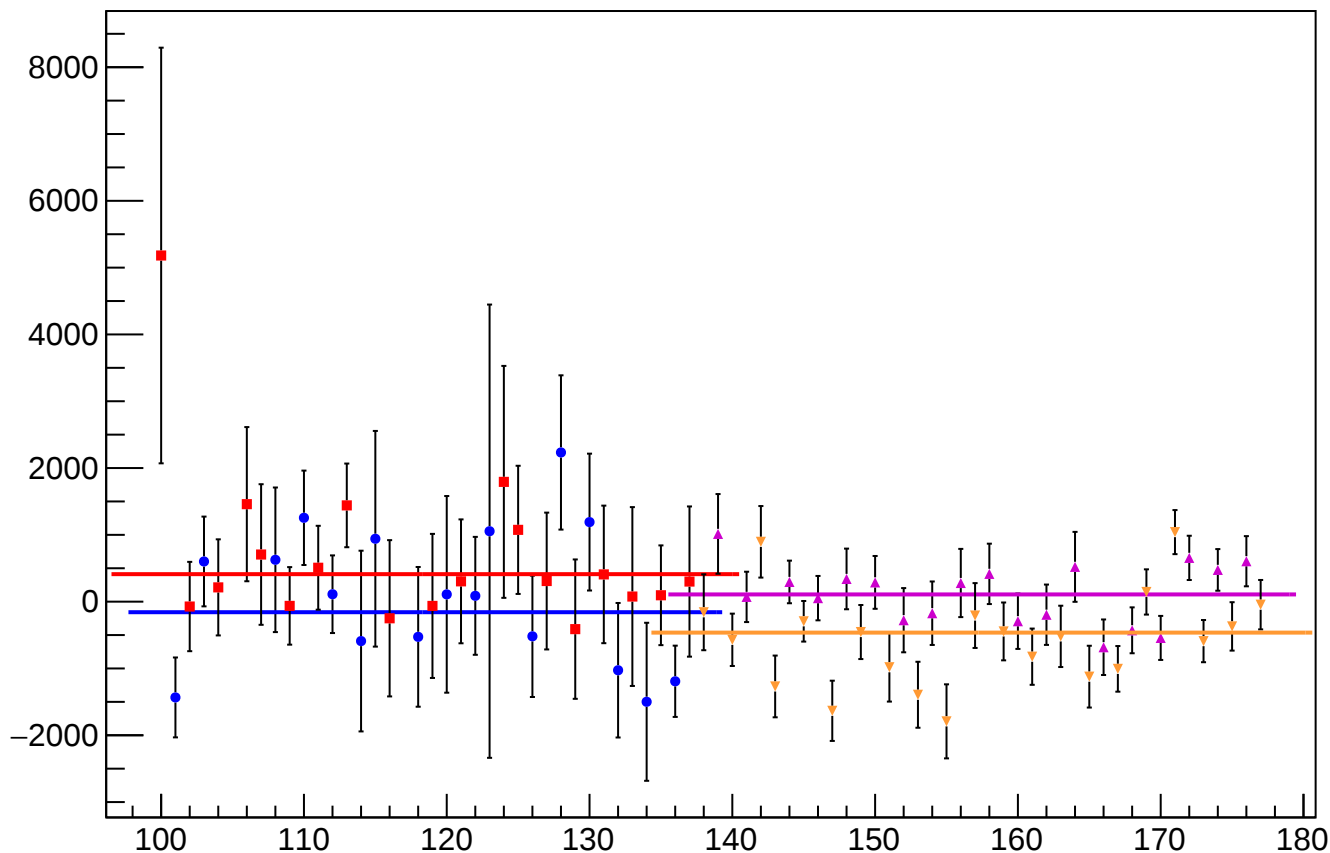
Right: 50.276 $\pm$ 0.010 χ^2 /NDF: 1021399.4/35

In: 49.669 $\pm$ 0.008 χ^2 /NDF: 727222.0/35

Out: 49.339 $\pm$ 0.007 χ^2 /NDF: 725703.2/39

All: 49.498 $\pm$ 0.005 χ^2 /NDF: 1453883.9/75

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -463.342 $\pm$ 88.782 χ^2 /NDF:58.3/20

Right Out: 411.611 $\pm$ 203.633 χ^2 /NDF: 9.8/18

Left In: 108.190 $\pm$ 90.599 χ^2 /NDF:22.6/18

Left: -183.365 $\pm$ 63.411 χ^2 /NDF: 101.2/39

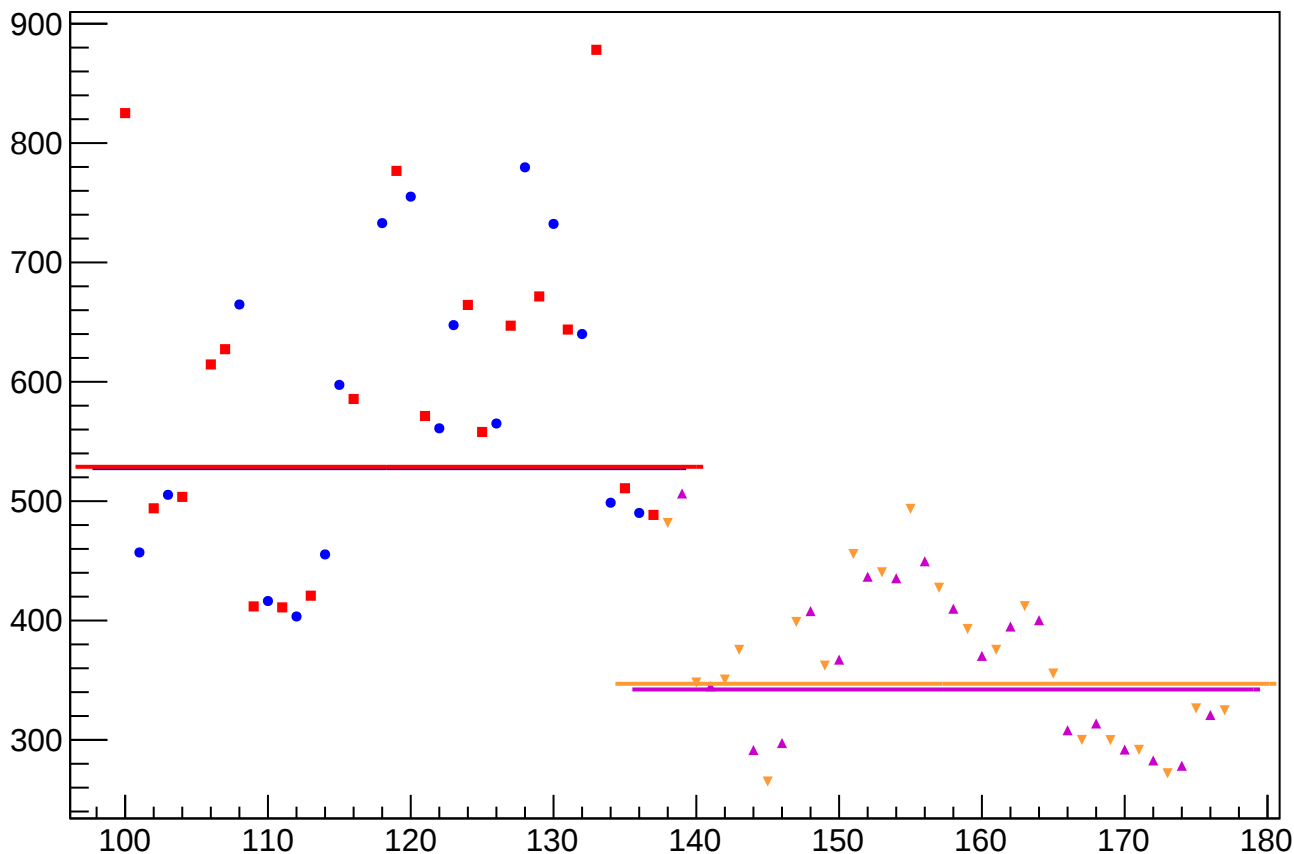
Right: 135.816 $\pm$ 146.251 χ^2 /NDF: 37.0/35

In: 66.480 $\pm$ 83.198 χ^2 /NDF:47.4/35

Out: -323.591 $\pm$ 81.383 χ^2 /NDF:83.6/39

All: -132.858 $\pm$ 58.178 χ^2 /NDF: 142.2/75

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 347.026+/-0.063 χ^2/NDF : 982281.5/20

Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

Left In: 342.242+/-0.064 χ^2/NDF : 866192.9/18

Left: 344.682+/-0.045 χ^2/NDF : 1851319.1/39

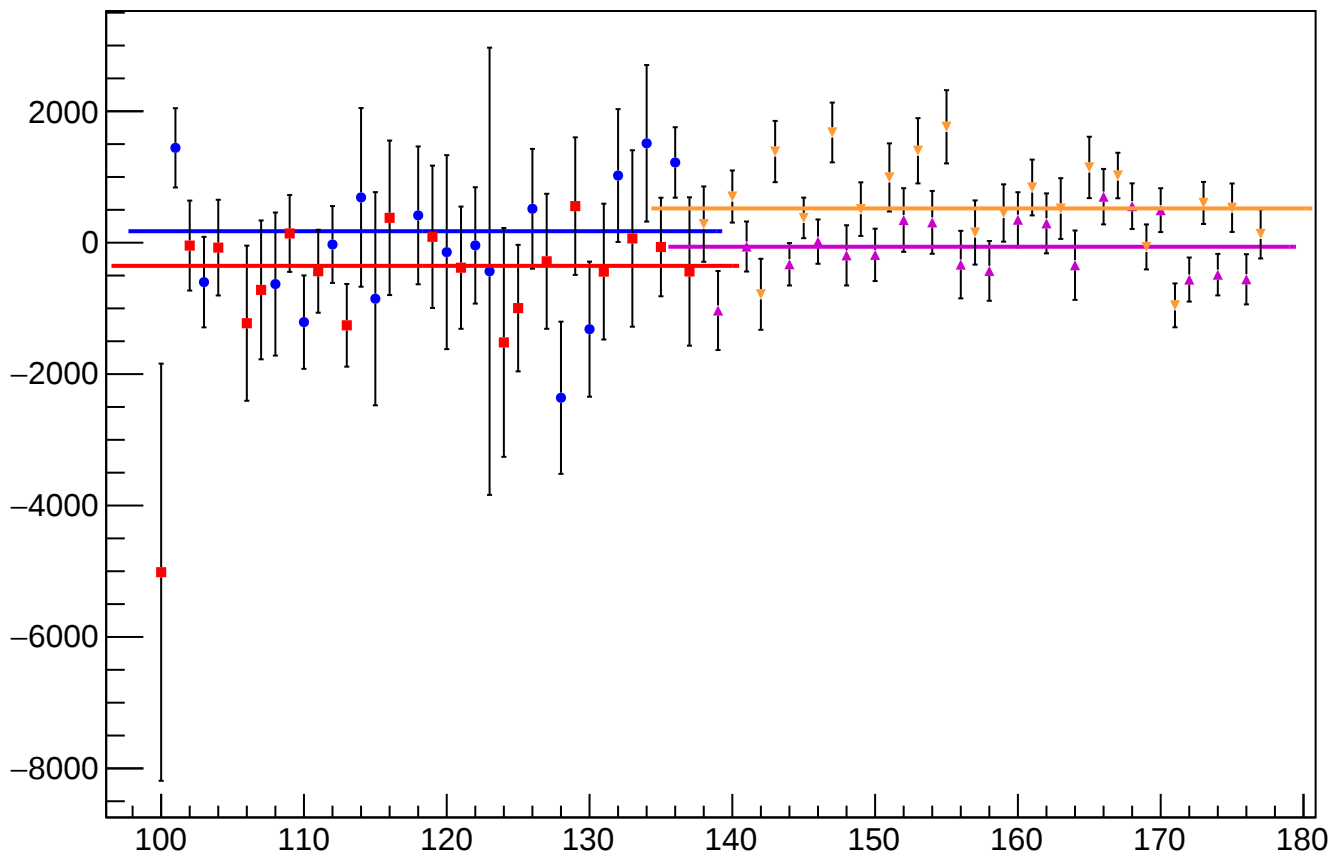
Right: 528.253+/-0.103 χ^2/NDF : 1180818.7/35

In: 371.296+/-0.059 χ^2/NDF : 2736267.8/35

Out: 376.060+/-0.058 χ^2/NDF : 2944858.5/39

All: 373.731+/-0.041 χ^2/NDF : 5684478.5/75

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 521.595 $\pm$ 89.742 χ^2 /NDF:53.9/20

Right Out: -352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

Left In: -61.882 $\pm$ 91.611 χ^2 /NDF:22.5/18

Left: 235.871 $\pm$ 64.108 χ^2 /NDF: 97.1/39

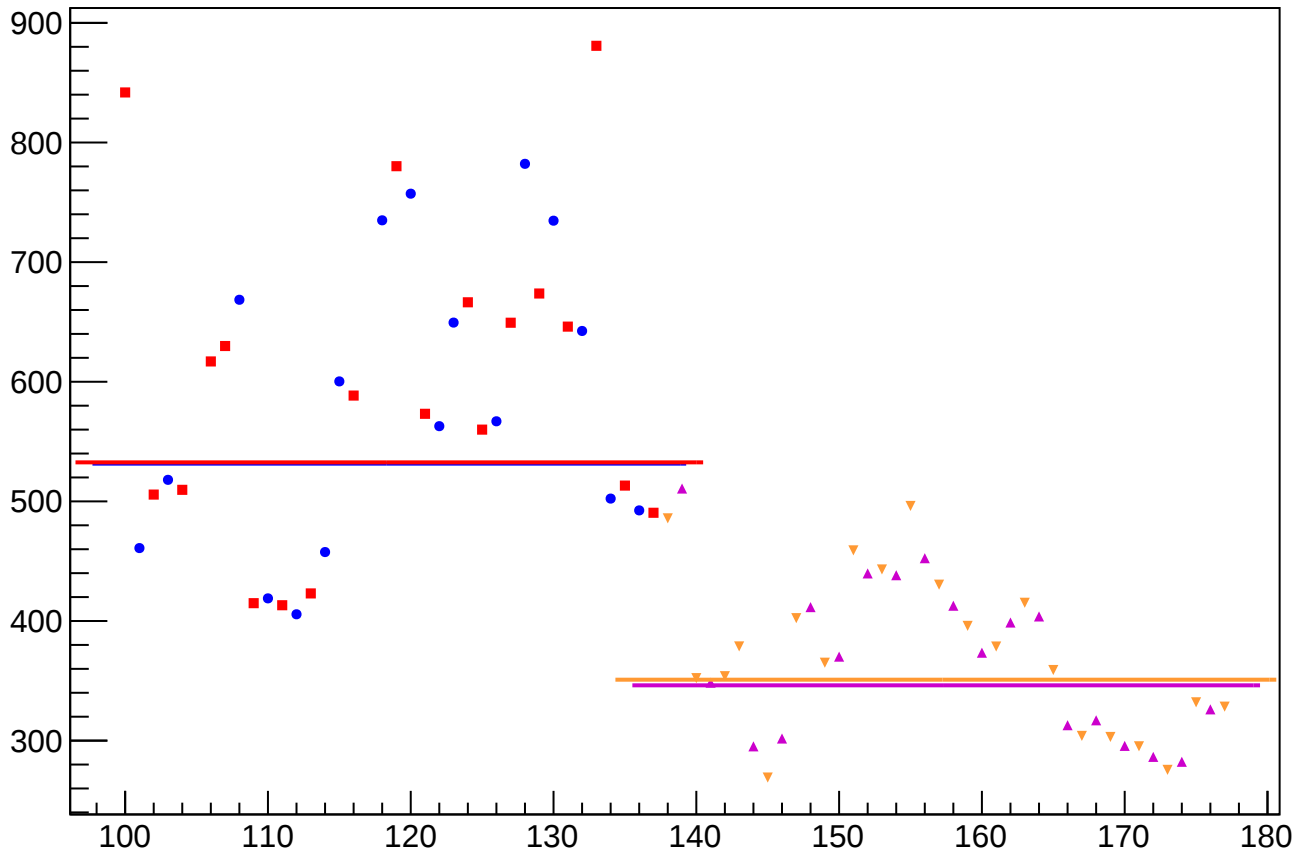
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: -24.570 $\pm$ 84.074 χ^2 /NDF:47.3/35

Out: 381.247 $\pm$ 82.223 χ^2 /NDF:77.6/39

All: 182.856 $\pm$ 58.784 χ^2 /NDF: 136.7/75

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 350.940+/-0.063 χ^2/NDF : 955392.6/20

Right Out: 532.620+/-0.145 χ^2/NDF : 615746.2/18

Left In: 346.226+/-0.065 χ^2/NDF : 841969.7/18

Left: 348.632+/-0.045 χ^2/NDF : 1800065.3/39

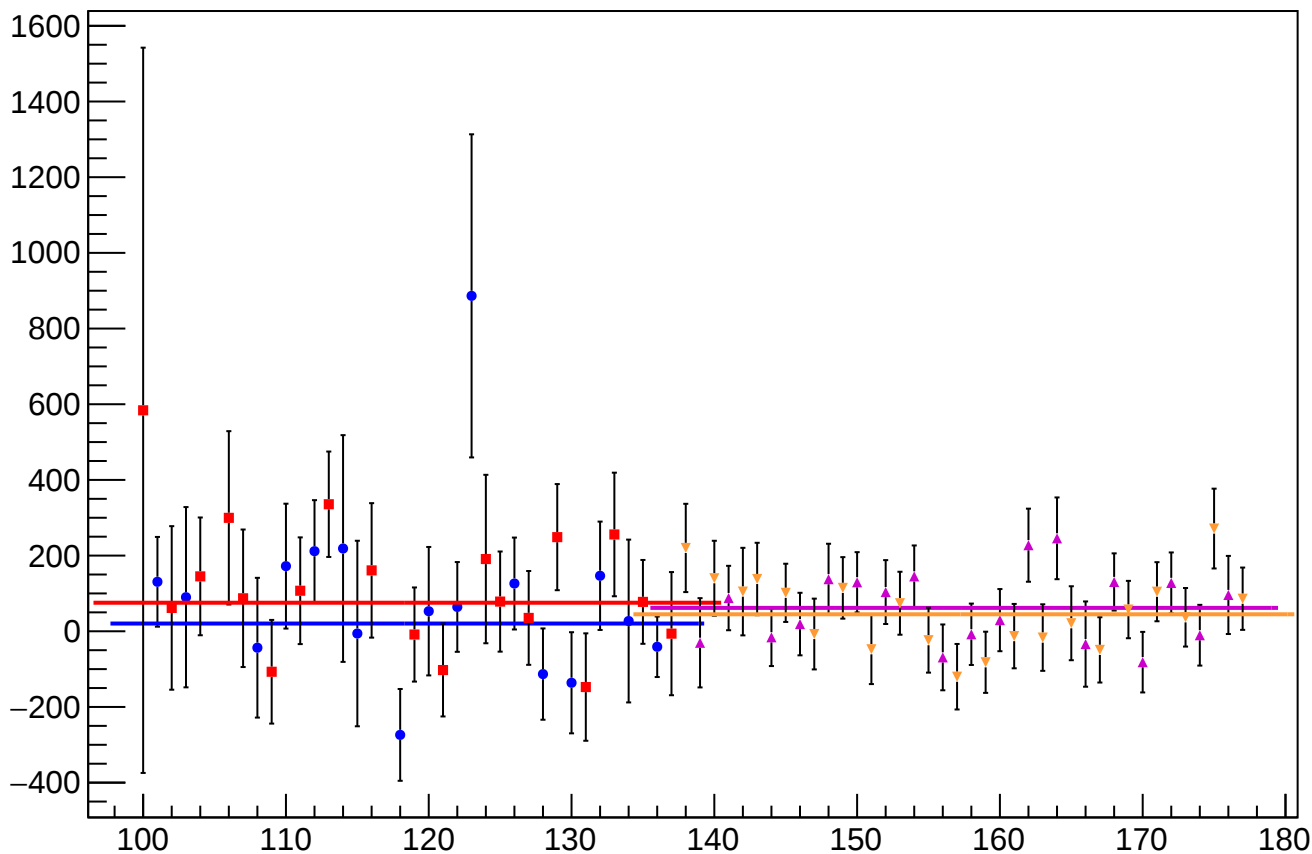
Right: 532.104+/-0.104 χ^2/NDF : 1165860.0/35

In: 375.466+/-0.059 χ^2/NDF : 2683441.3/35

Out: 380.109+/-0.058 χ^2/NDF : 2887178.8/39

All: 377.839+/-0.042 χ^2/NDF : 5573738.2/75

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: 44.917 $\pm$ 19.144 χ^2 /NDF:21.5/20

Right Out: 75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

Left In: 61.811 $\pm$ 19.881 χ^2 /NDF:20.0/18

Left: 53.045 $\pm$ 13.790 χ^2 /NDF: 41.9/39

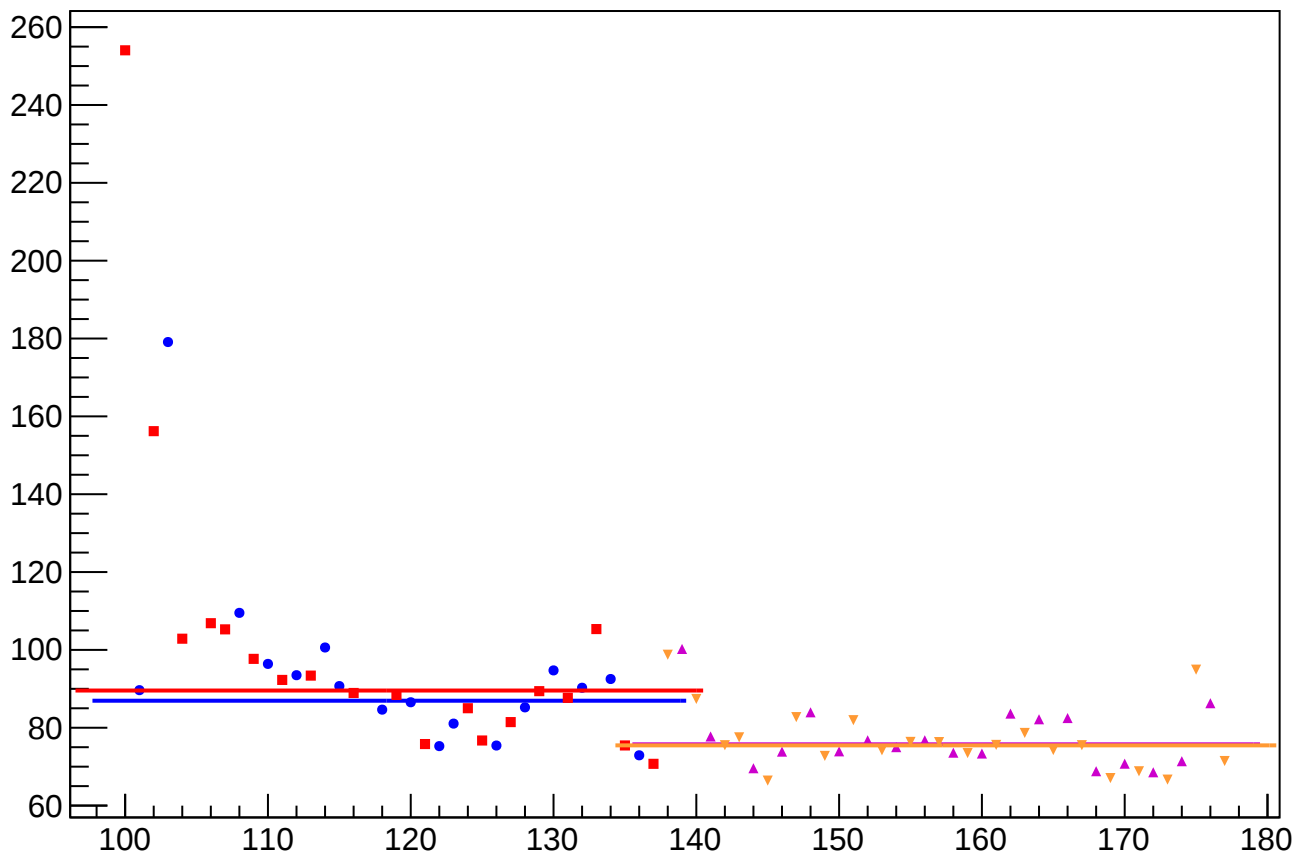
Right: 47.856 $\pm$ 24.495 χ^2 /NDF: 35.9/35

In: 51.535 $\pm$ 17.236 χ^2 /NDF:40.4/35

Out: 52.044 $\pm$ 16.762 χ^2 /NDF:37.5/39

All: 51.796 $\pm$ 12.017 χ^2 /NDF: 77.9/75

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 75.472 $\pm$ 0.014 χ^2 /NDF: 304325.2/20

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

Left In: 75.744 $\pm$ 0.014 χ^2 /NDF: 216580.5/18

Left: 75.603 $\pm$ 0.010 χ^2 /NDF: 521100.0/39

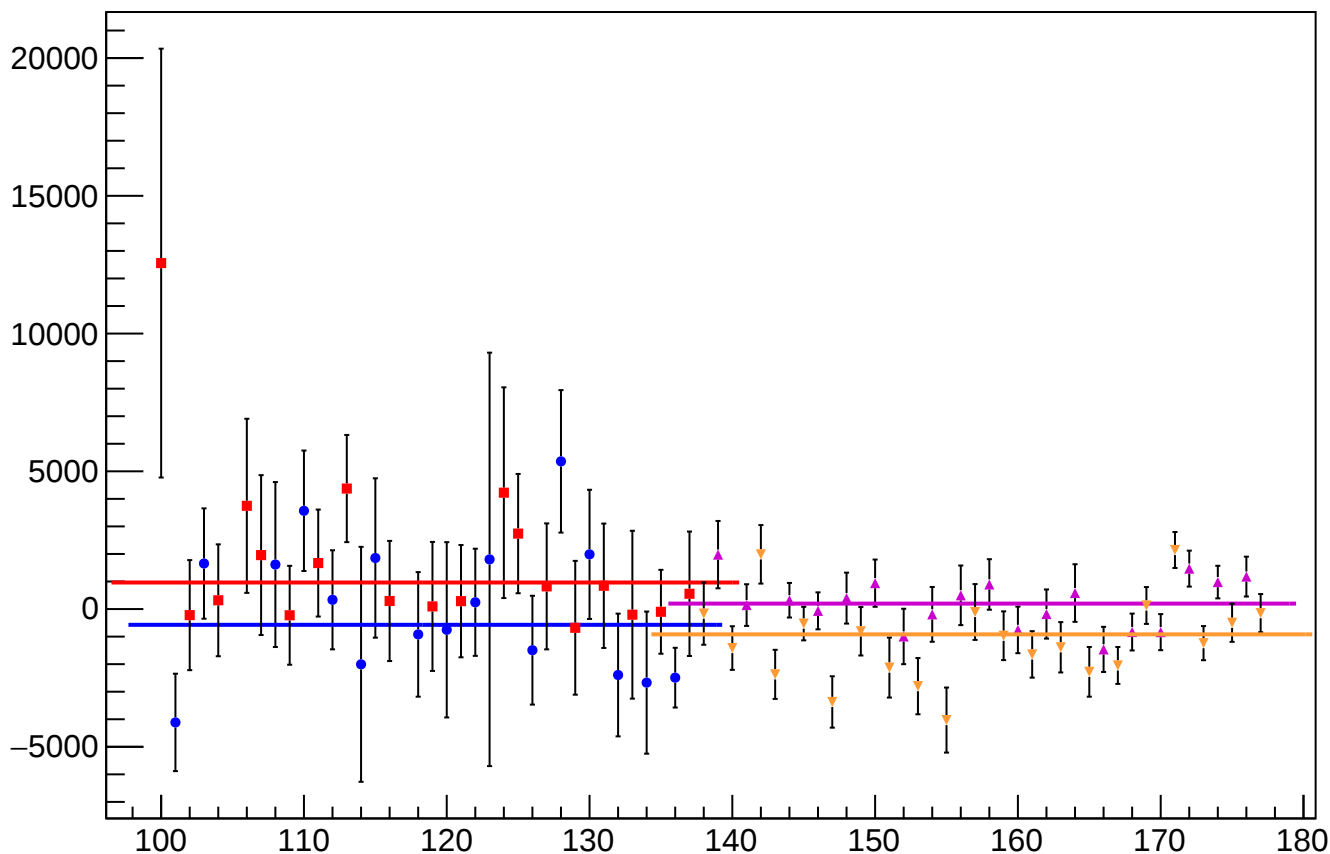
Right: 88.247 $\pm$ 0.017 χ^2 /NDF: 892752.0/35

In: 78.526 $\pm$ 0.012 χ^2 /NDF: 830002.4/35

Out: 78.760 $\pm$ 0.012 χ^2 /NDF: 988325.5/39

All: 78.646 $\pm$ 0.008 χ^2 /NDF: 1818517.9/75

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -918.150+/-177.160 χ^2/NDF : 63.0/20

Right Out: 963.846+/-514.621 χ^2/NDF : 10.1/18

Left In: 198.089+/-181.082 χ^2/NDF : 23.3/18

Left: -372.247+/-126.635 χ^2/NDF : 105.7/39

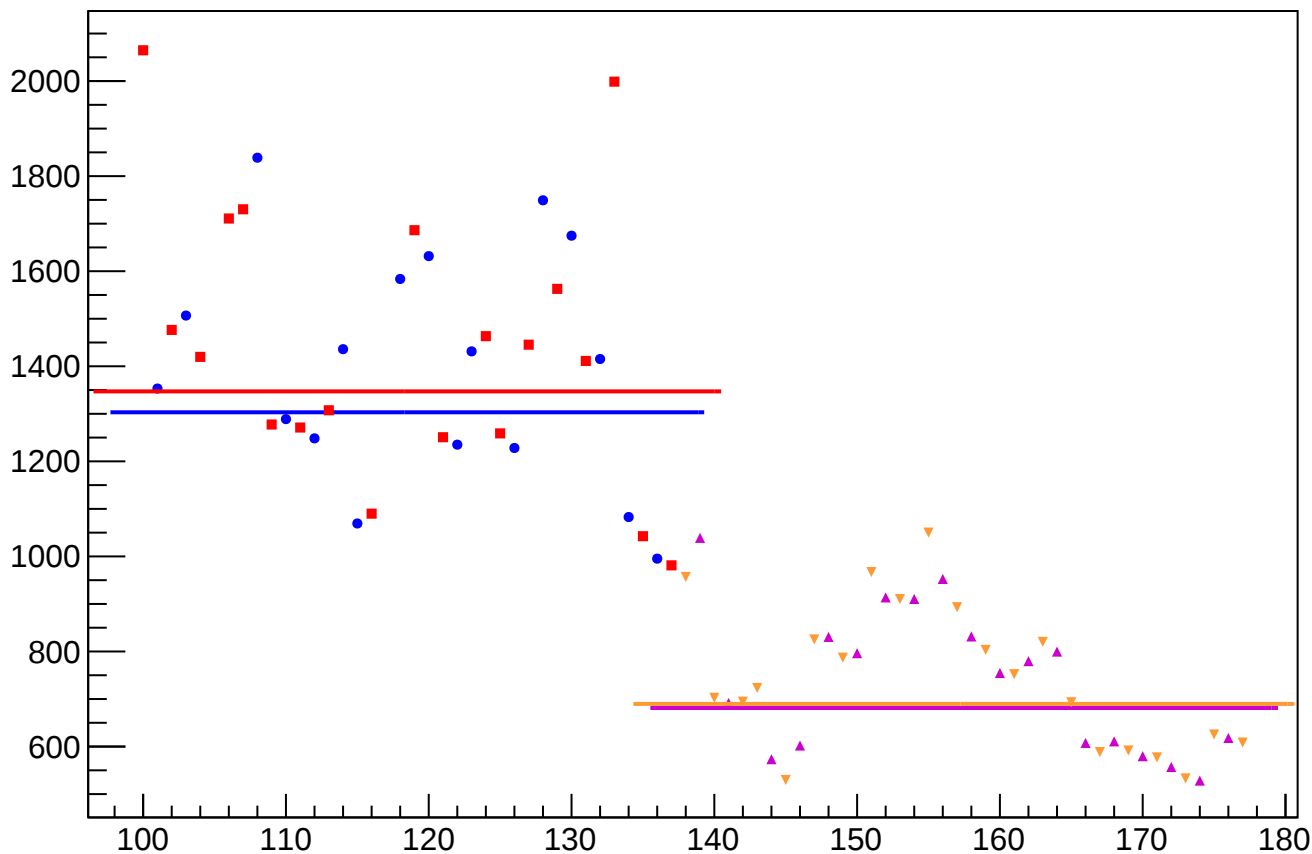
Right: 199.325+/-364.737 χ^2/NDF : 36.4/35

In: 113.908+/-170.903 χ^2/NDF : 47.1/35

Out: -718.745+/-167.512 χ^2/NDF : 85.0/39

All: -310.760+/-119.630 χ^2/NDF : 144.3/75

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 689.721+/-0.125 χ^2/NDF : 1215738.9/20

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

Left In: 681.095+/-0.128 χ^2/NDF : 1112634.3/18

Left: 685.503+/-0.090 χ^2/NDF : 2330692.0/39

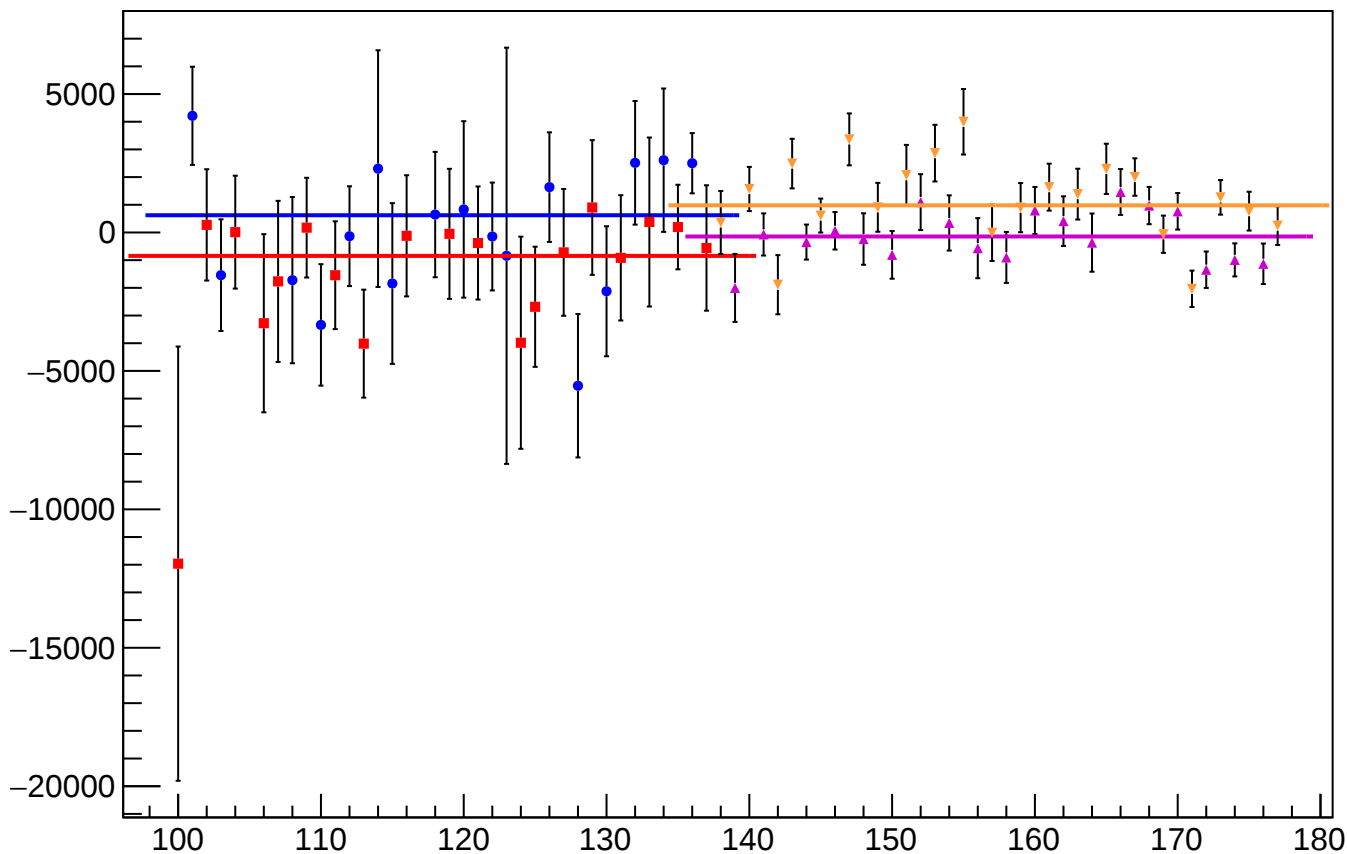
Right: 1325.291+/-0.258 χ^2/NDF : 880004.2/35

In: 749.070+/-0.121 χ^2/NDF : 4143834.5/35

Out: 759.381+/-0.118 χ^2/NDF : 4554931.6/39

All: 754.329+/-0.085 χ^2/NDF : 8702479.4/75

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 ± 518.496 $\chi^2/\text{NDF}: 22.0/16$

Left Out: 980.297 ± 178.349 $\chi^2/\text{NDF}: 59.6/20$

Right Out: -846.021 ± 516.325 $\chi^2/\text{NDF}: 9.1/18$

Left In: -144.918 ± 182.344 $\chi^2/\text{NDF}: 22.9/18$

Left: 430.150 ± 127.501 $\chi^2/\text{NDF}: 101.9/39$

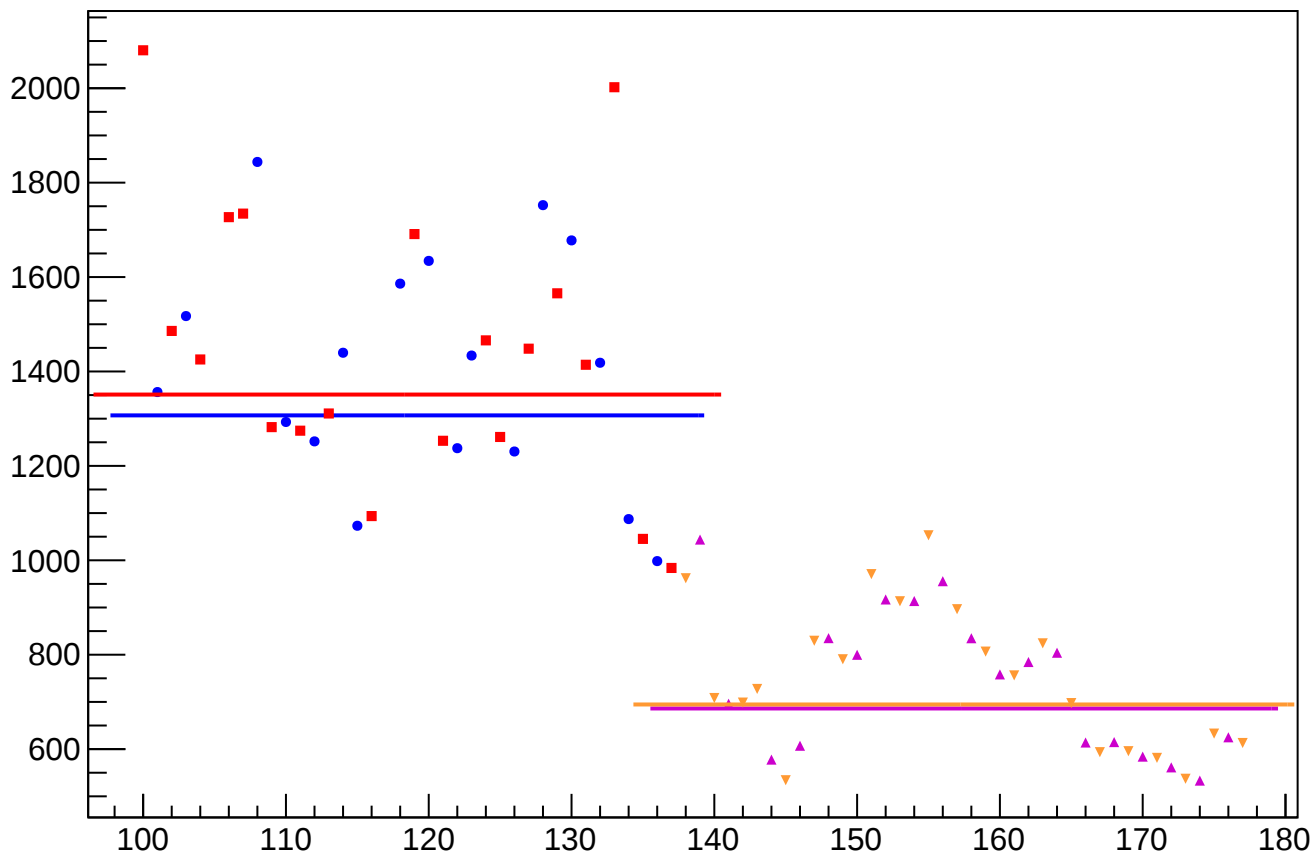
Right: -114.886 ± 365.862 $\chi^2/\text{NDF}: 35.1/35$

In: -60.461 ± 172.017 $\chi^2/\text{NDF}: 46.8/35$

Out: 785.617 ± 168.576 $\chi^2/\text{NDF}: 79.8/39$

All: 371.125 ± 120.399 $\chi^2/\text{NDF}: 139.0/75$

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 +/- 0.367 χ^2/NDF : 451191.7/16

Left Out: 694.578 +/- 0.126 χ^2/NDF : 1196150.4/20

Right Out: 1351.096 +/- 0.365 χ^2/NDF : 421804.6/18

Left In: 686.089 +/- 0.129 χ^2/NDF : 1092837.0/18

Left: 690.427 +/- 0.090 χ^2/NDF : 2291202.5/39

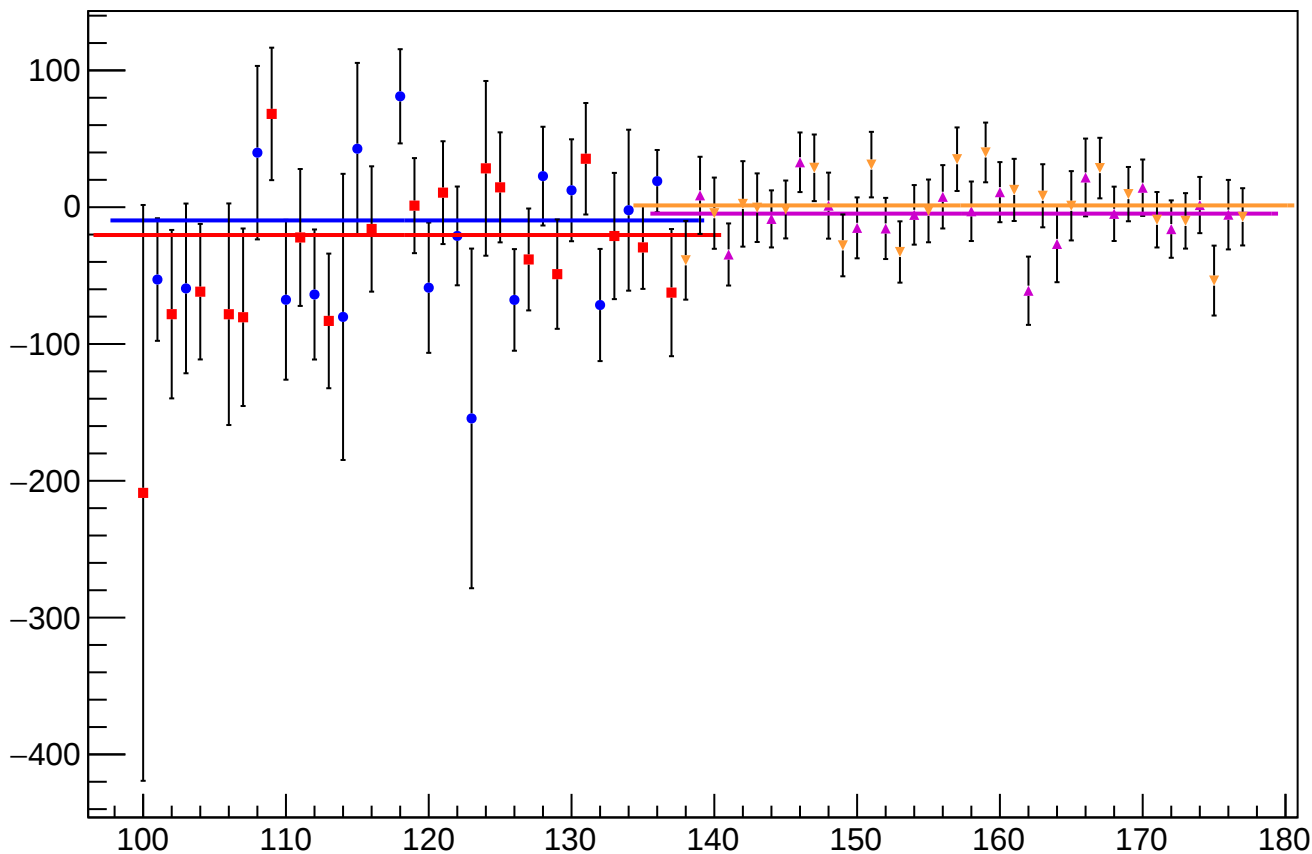
Right: 1329.131 +/- 0.259 χ^2/NDF : 880266.0/35

In: 754.428 +/- 0.122 χ^2/NDF : 4096311.4/35

Out: 764.561 +/- 0.119 χ^2/NDF : 4506809.5/39

All: 759.597 +/- 0.085 χ^2/NDF : 8606660.8/75

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 1.302 ± 5.038 χ^2/NDF : 21.5/20

Right Out: -20.335 ± 10.444 χ^2/NDF : 14.7/18

Left In: -4.705 ± 5.220 χ^2/NDF : 14.1/18

Left: -1.595 ± 3.625 χ^2/NDF : 36.3/39

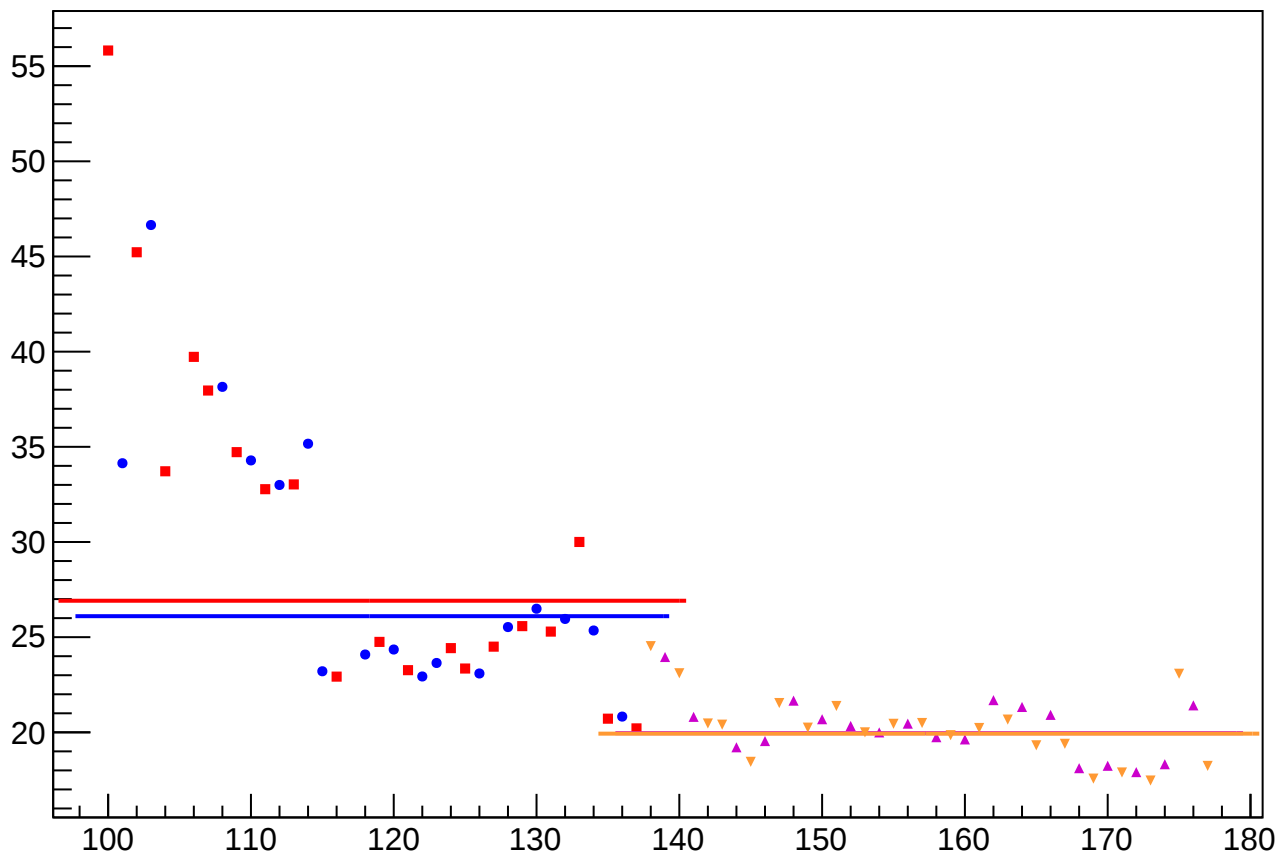
Right: -14.983 ± 7.372 χ^2/NDF : 37.7/35

In: -5.703 ± 4.666 χ^2/NDF : 36.8/35

Out: -2.782 ± 4.537 χ^2/NDF : 39.6/39

All: -4.202 ± 3.253 χ^2/NDF : 76.7/75

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 19.931+/-0.004 χ^2/NDF : 236820.0/20

Right Out: 26.914+/-0.007 χ^2/NDF : 678970.2/18

Left In: 19.956+/-0.004 χ^2/NDF : 146789.2/18

Left: 19.943+/-0.003 χ^2/NDF : 383633.6/39

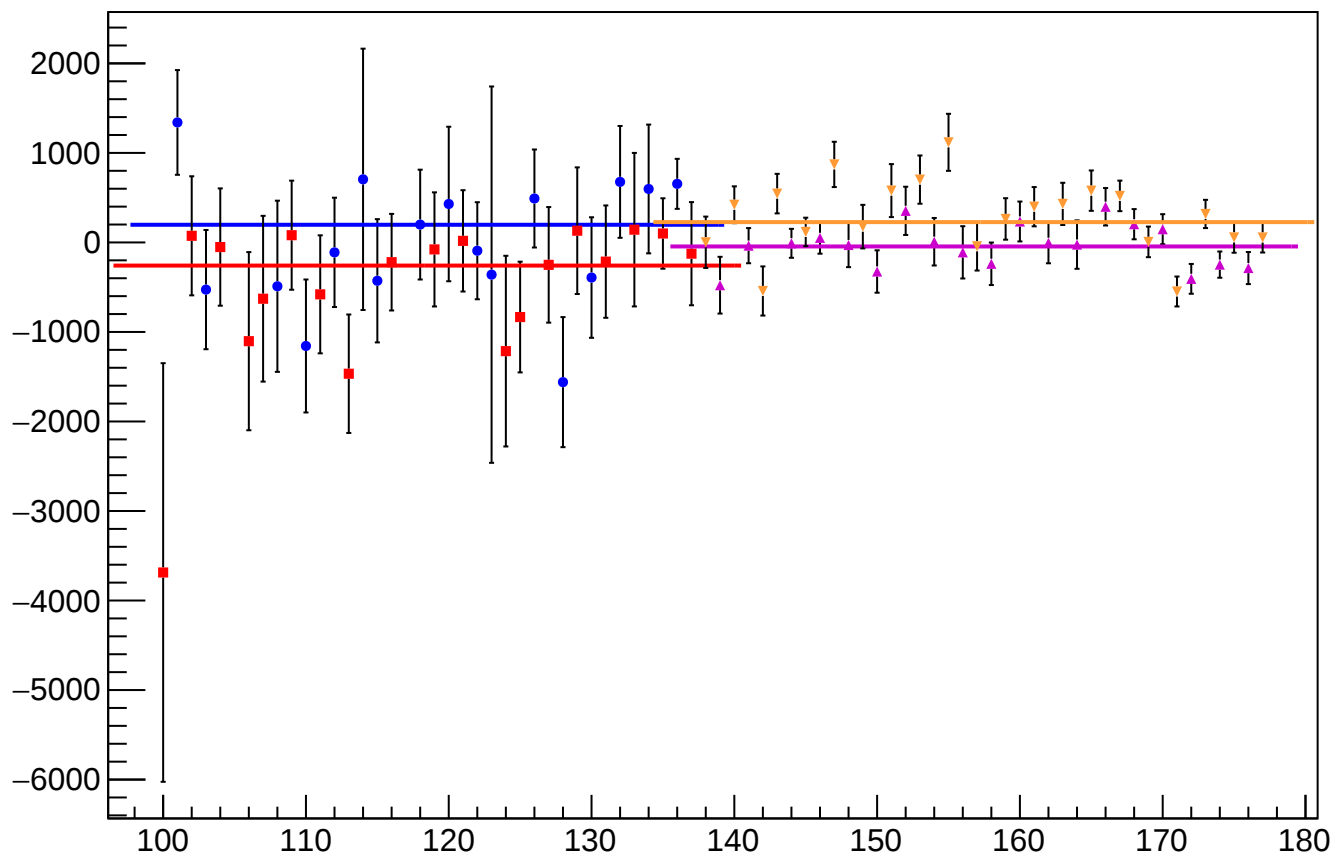
Right: 26.507+/-0.005 χ^2/NDF : 1289062.8/35

In: 21.192+/-0.003 χ^2/NDF : 1308164.4/35

Out: 21.249+/-0.003 χ^2/NDF : 1641152.9/39

All: 21.221+/-0.002 χ^2/NDF : 2949473.0/75

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: 226.979 ± 45.564 $\chi^2/\text{NDF}: 64.1/20$

Right Out: -258.537 ± 149.867 $\chi^2/\text{NDF}: 10.7/18$

Left In: -44.985 ± 46.732 $\chi^2/\text{NDF}: 24.6/18$

Left: 94.437 ± 32.623 $\chi^2/\text{NDF}: 106.1/39$

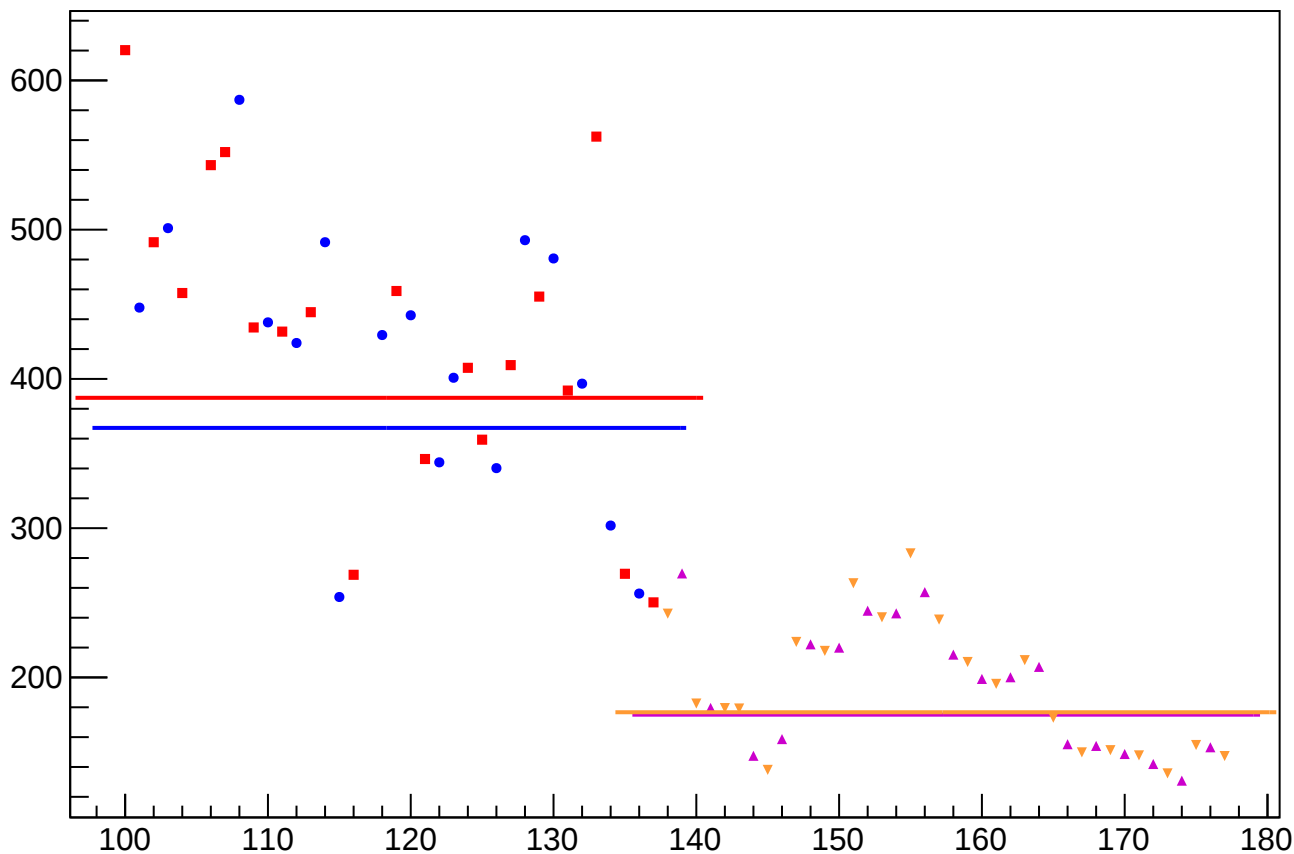
Right: -27.568 ± 105.264 $\chi^2/\text{NDF}: 36.3/35$

In: -22.986 ± 44.560 $\chi^2/\text{NDF}: 48.0/35$

Out: 185.898 ± 43.593 $\chi^2/\text{NDF}: 84.4/39$

All: 83.745 ± 31.161 $\chi^2/\text{NDF}: 143.6/75$

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180+/-0.105 χ^2/NDF : 827148.2/16

Left Out: 176.671+/-0.032 χ^2/NDF :1447386.7/20

Right Out: 387.344+/-0.106 χ^2/NDF : 774562.4/18

Left In: 175.046+/-0.033 χ^2/NDF :1342999.6/18

Left: 175.879+/-0.023 χ^2/NDF : 2791625.9/39

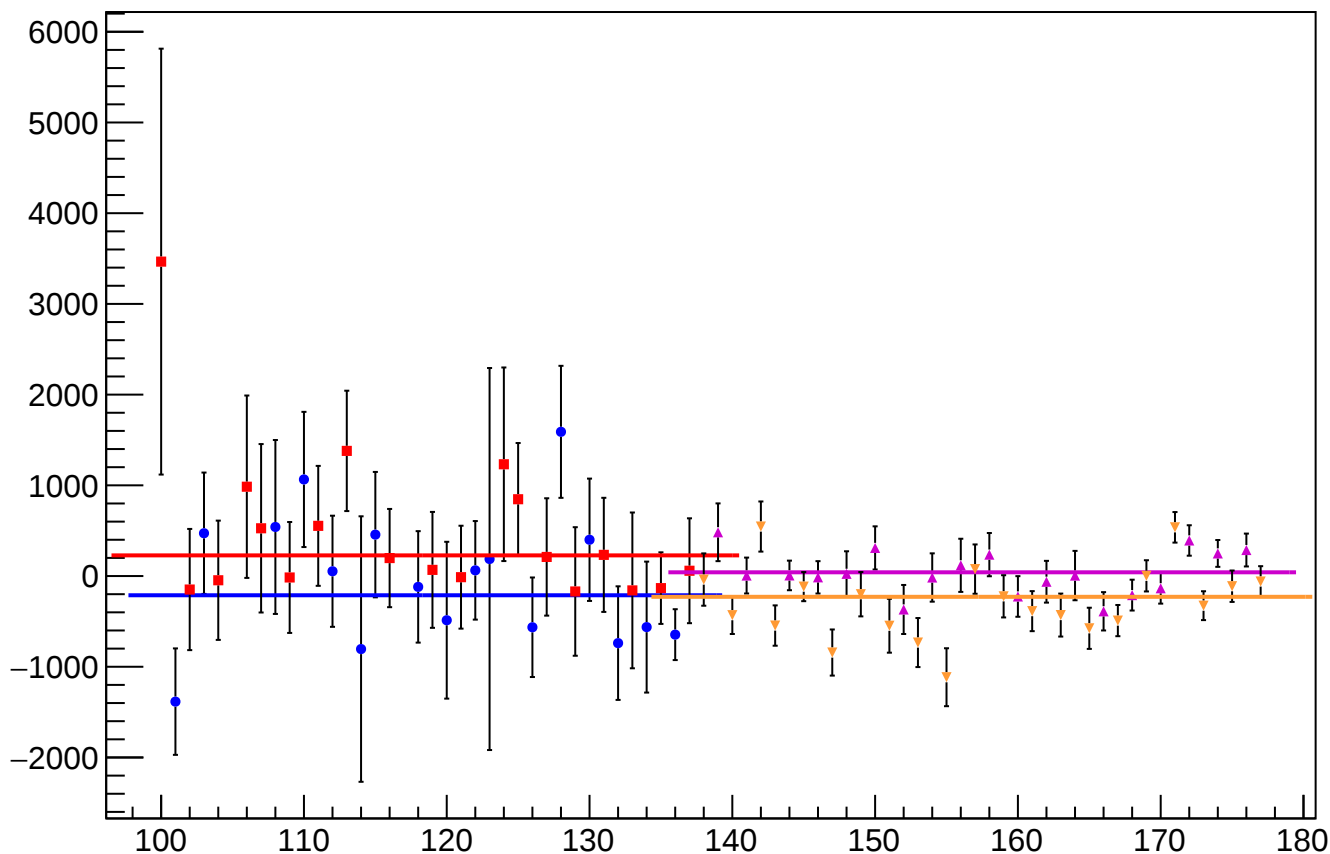
Right: 377.128+/-0.074 χ^2/NDF : 1620053.1/35

In: 192.490+/-0.032 χ^2/NDF :5239624.7/35

Out: 194.496+/-0.031 χ^2/NDF :5839712.8/39

All: 193.515+/-0.022 χ^2/NDF : 11081409.0/75

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -228.931 ± 45.882 χ^2/NDF : 61.4/20

Right Out: 227.831 ± 150.317 χ^2/NDF : 10.1/18

Left In: 41.246 ± 47.068 χ^2/NDF : 23.7/18

Left: -97.288 ± 32.855 χ^2/NDF : 102.0/39

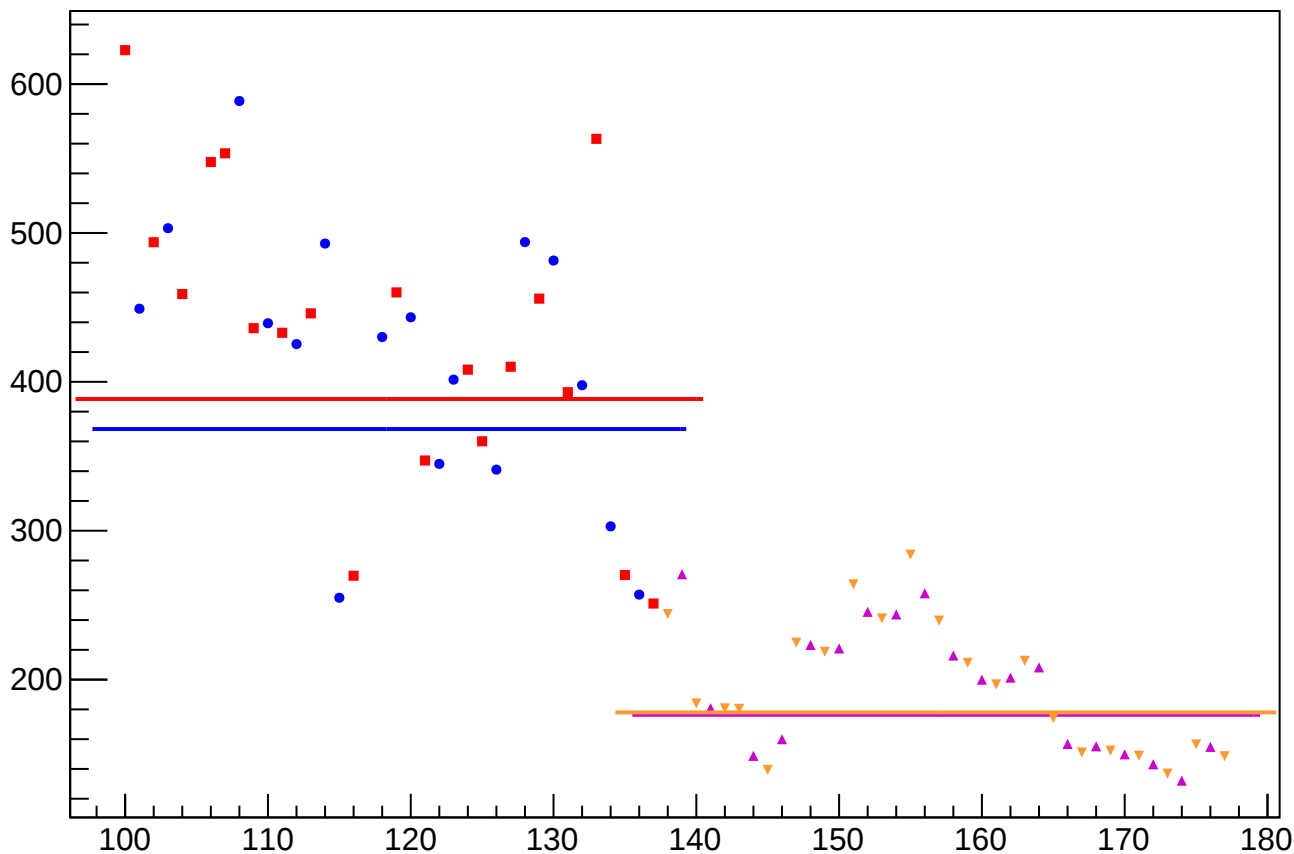
Right: 5.040 ± 105.575 χ^2/NDF : 35.4/35

In: 18.088 ± 44.863 χ^2/NDF : 47.4/35

Out: -190.002 ± 43.883 χ^2/NDF : 79.9/39

All: -88.253 ± 31.371 χ^2/NDF : 138.3/75

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: 177.982 $\pm$ 0.032 χ^2 /NDF: 1423795.8/20

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

Left In: 176.387 $\pm$ 0.033 χ^2 /NDF: 1318715.0/18

Left: 177.205 $\pm$ 0.023 χ^2 /NDF: 2743687.4/39

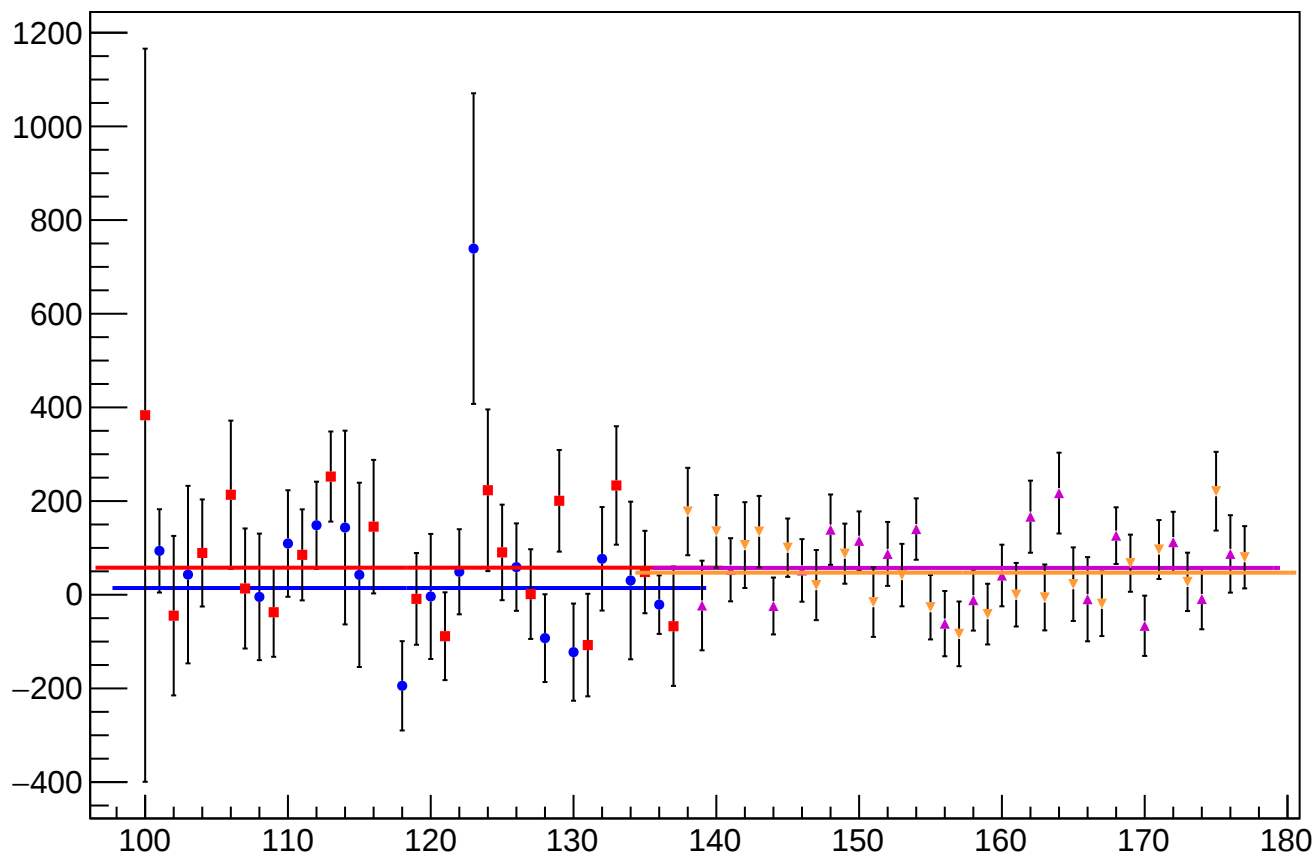
Right: 378.252 $\pm$ 0.075 χ^2 /NDF: 1617584.5/35

In: 193.947 $\pm$ 0.032 χ^2 /NDF: 5185585.0/35

Out: 195.922 $\pm$ 0.031 χ^2 /NDF: 5786027.9/39

All: 194.956 $\pm$ 0.022 χ^2 /NDF: 10973593.6/75

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: 47.147 $\pm$ 15.332 χ^2 /NDF:21.0/20

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

Left In: 57.271 $\pm$ 15.927 χ^2 /NDF:23.3/18

Left: 52.016 $\pm$ 11.046 χ^2 /NDF: 44.5/39

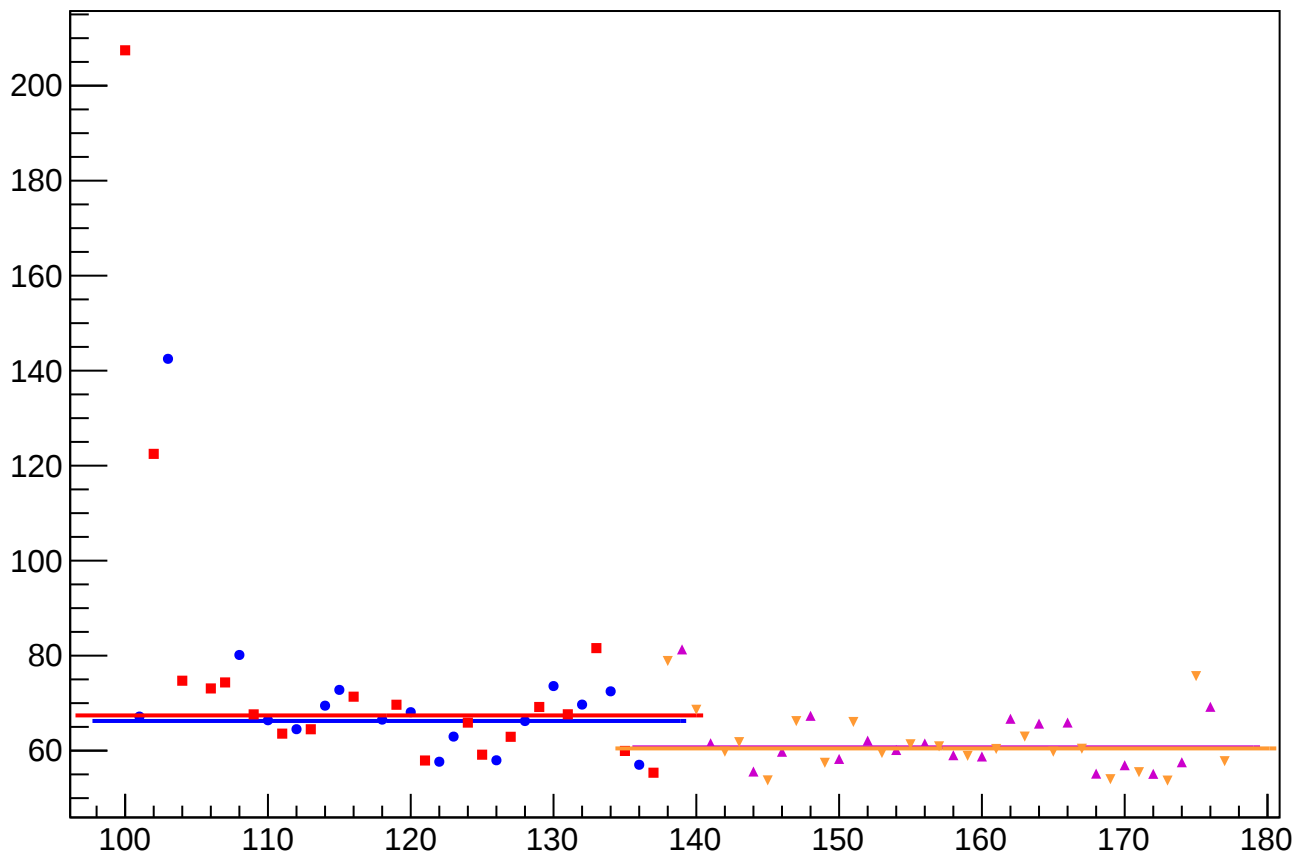
Right: 36.266 $\pm$ 18.545 χ^2 /NDF: 37.5/35

In: 45.784 $\pm$ 13.628 χ^2 /NDF:42.9/35

Out: 49.876 $\pm$ 13.223 χ^2 /NDF:39.5/39

All: 47.892 $\pm$ 9.490 χ^2 /NDF: 82.5/75

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 60.468 $\pm$ 0.011 χ^2 /NDF: 283690.0/20

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

Left In: 60.698 $\pm$ 0.011 χ^2 /NDF: 220673.9/18

Left: 60.578 $\pm$ 0.008 χ^2 /NDF: 504579.8/39

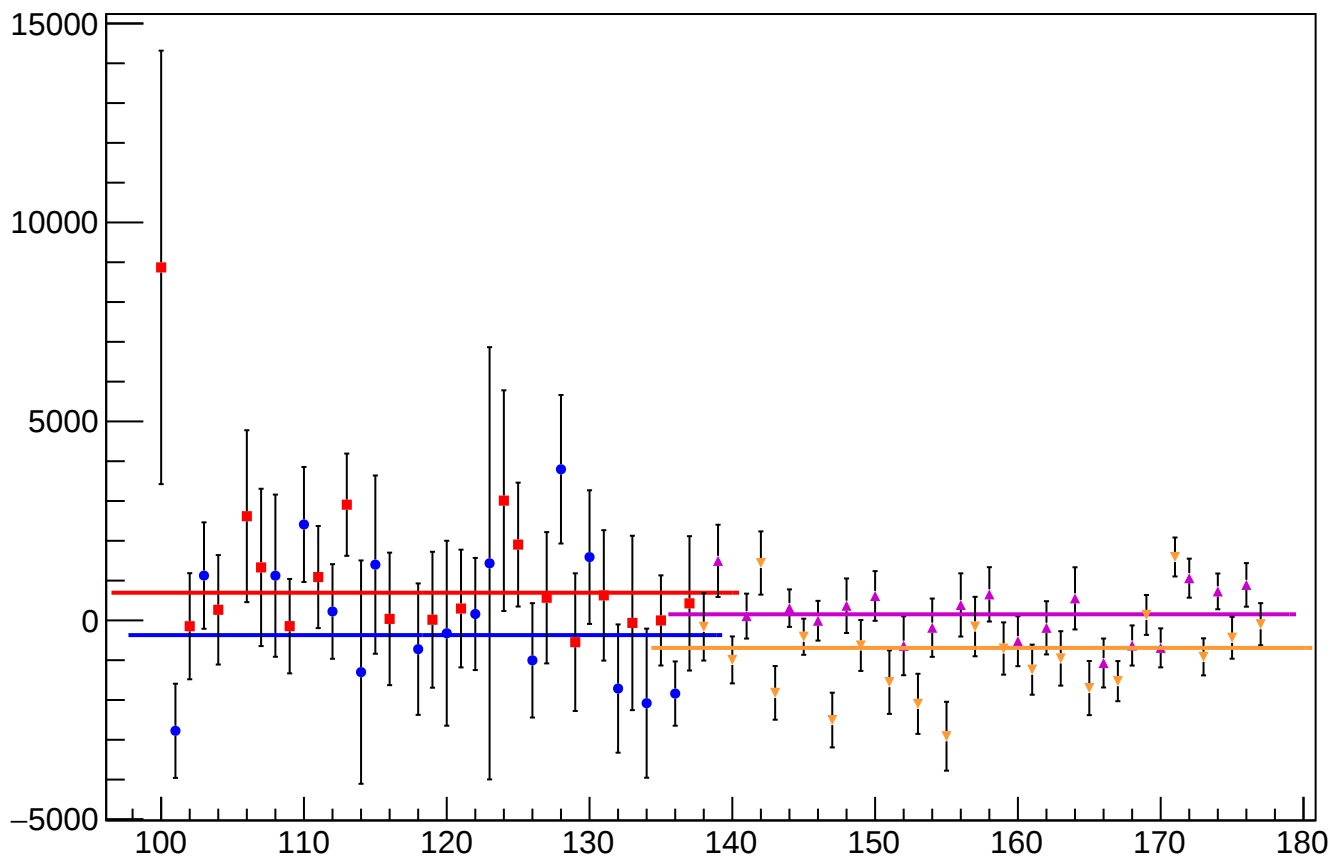
Right: 66.836 $\pm$ 0.013 χ^2 /NDF: 836536.0/35

In: 62.184 $\pm$ 0.010 χ^2 /NDF: 726647.9/35

Out: 62.248 $\pm$ 0.009 χ^2 /NDF: 782517.8/39

All: 62.217 $\pm$ 0.007 χ^2 /NDF: 1509188.5/75

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546 $\pm$ 366.432 χ^2 /NDF: 22.3/16

Left Out: -691.029 $\pm$ 132.514 χ^2 /NDF:61.8/20

Right Out: 695.425 $\pm$ 361.887 χ^2 /NDF: 9.9/18

Left In: 153.282 $\pm$ 135.348 χ^2 /NDF:22.9/18

Left: -277.805 $\pm$ 94.687 χ^2 /NDF: 104.7/39

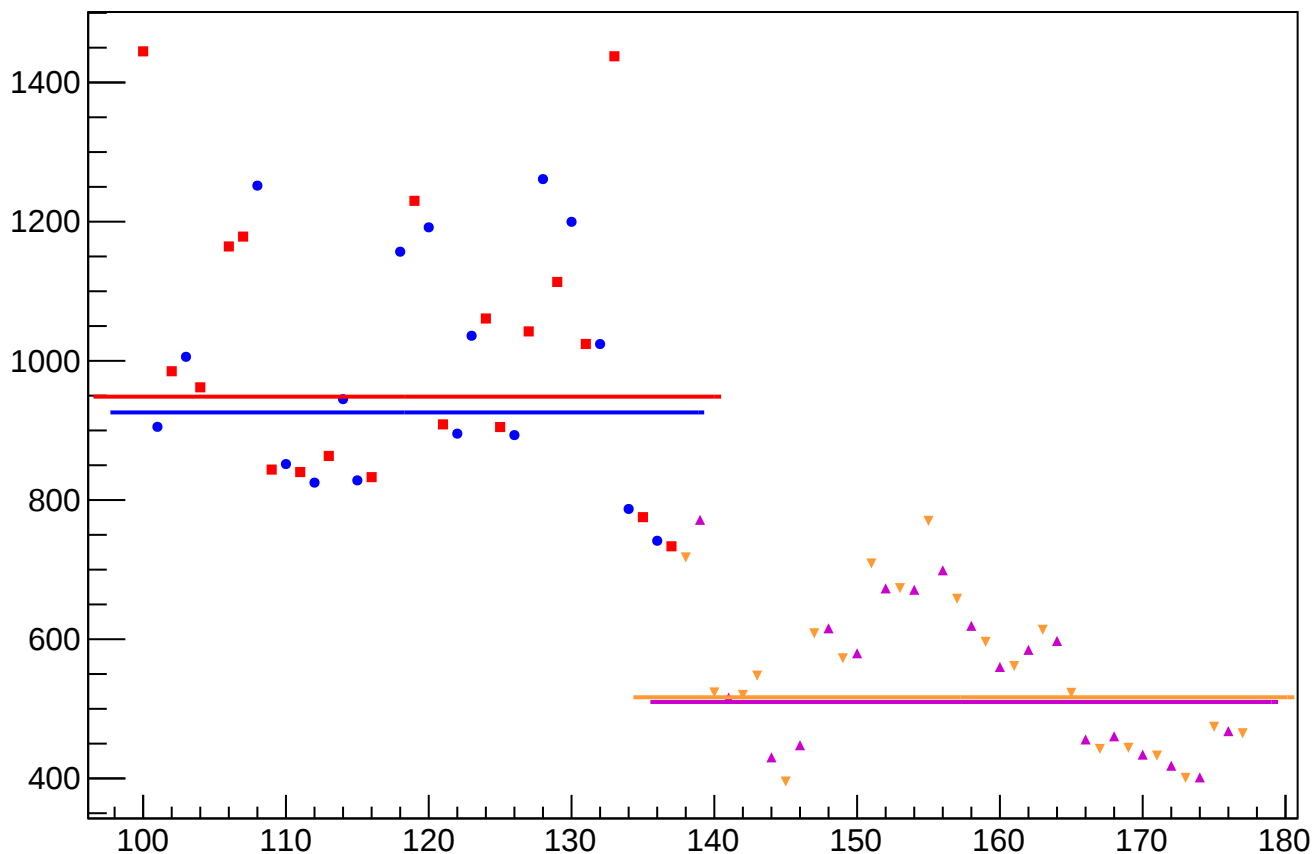
Right: 169.586 $\pm$ 257.485 χ^2 /NDF: 36.5/35

In: 90.516 $\pm$ 126.963 χ^2 /NDF:47.0/35

Out: -527.108 $\pm$ 124.434 χ^2 /NDF:84.7/39

All: -224.510 $\pm$ 88.869 χ^2 /NDF: 143.8/75

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 516.618+/-0.094 χ^2/NDF :1135796.0/20

Right Out: 948.553+/-0.256 χ^2/NDF : 381931.9/18

Left In: 509.830+/-0.096 χ^2/NDF :1029256.7/18

Left: 513.296+/-0.067 χ^2/NDF : 2167621.2/39

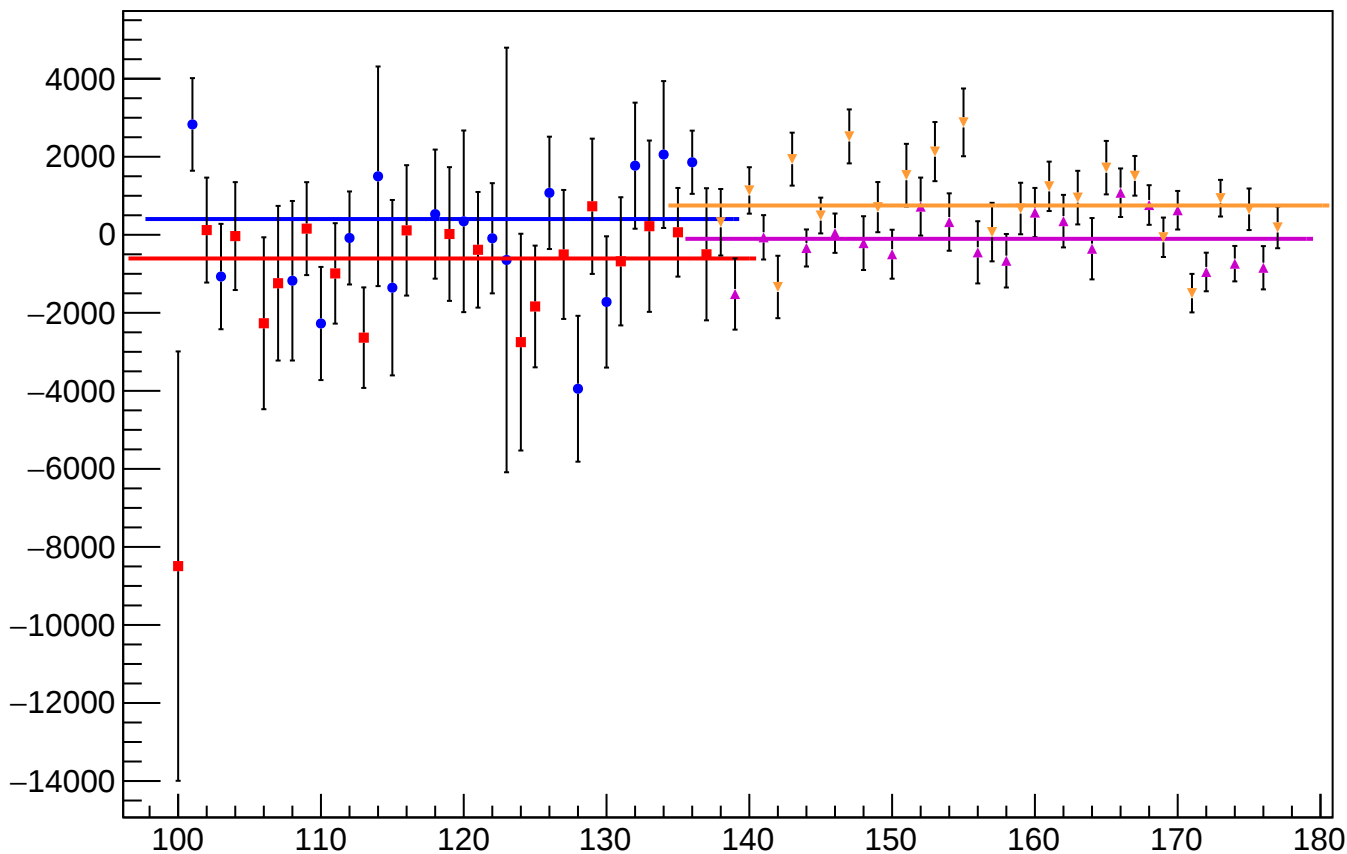
Right: 937.360+/-0.182 χ^2/NDF : 776890.8/35

In: 559.779+/-0.090 χ^2/NDF :3689157.2/35

Out: 567.686+/-0.088 χ^2/NDF :4030040.8/39

All: 563.812+/-0.063 χ^2/NDF : 7723155.2/75

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 751.254+/-133.522 χ^2/NDF : 58.1/20

Right Out: -607.276+/-363.327 χ^2/NDF : 8.8/18

Left In: -103.595+/-136.417 χ^2/NDF : 22.7/18

Left: 332.995+/-95.421 χ^2/NDF : 100.9/39

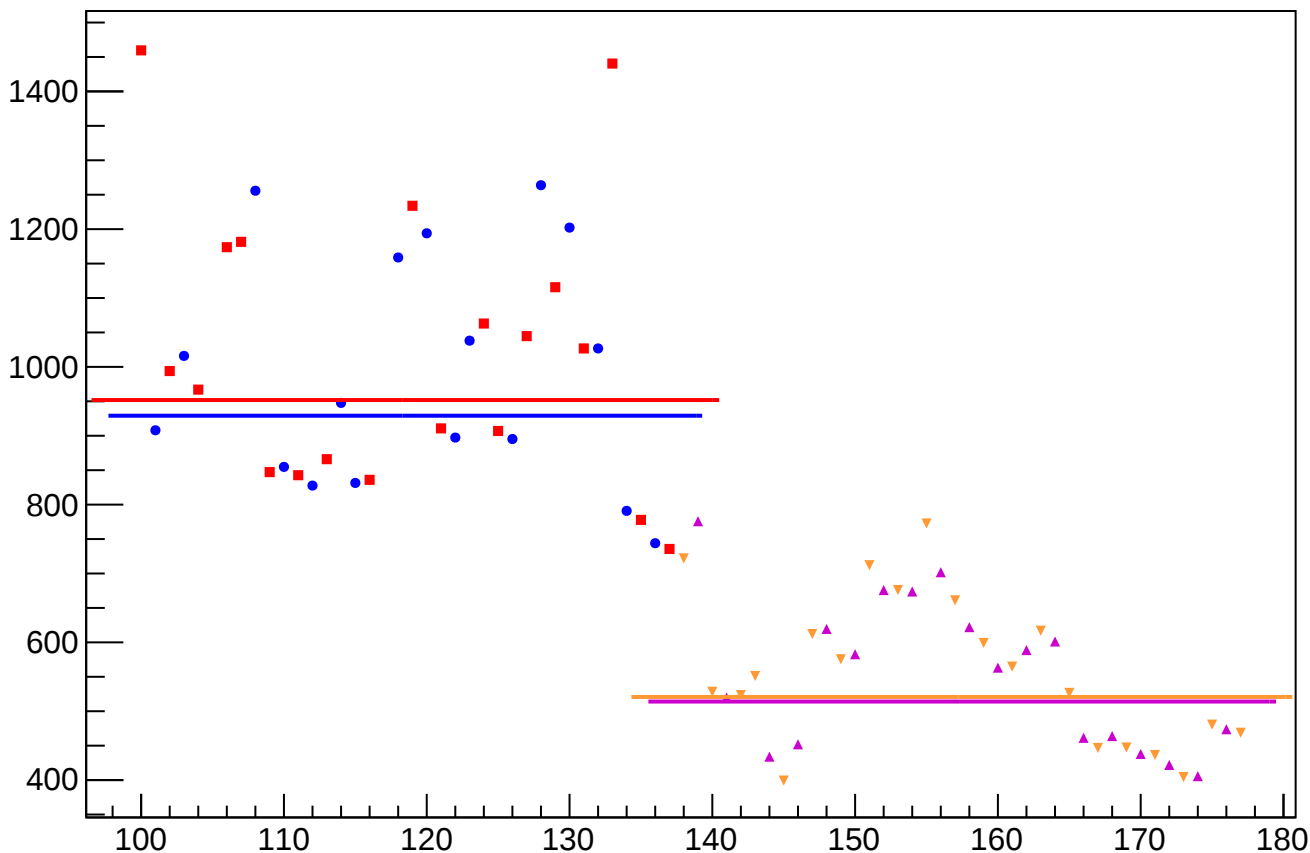
Right: -107.869+/-258.438 χ^2/NDF : 35.1/35

In: -42.227+/-127.898 χ^2/NDF : 46.8/35

Out: 589.609+/-125.327 χ^2/NDF : 79.2/39

All: 280.105+/-89.515 χ^2/NDF : 138.5/75

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2/NDF : 390292.1/16

Left Out: 520.733 $\pm$ 0.094 χ^2/NDF : 1114666.6/20

Right Out: 951.847 $\pm$ 0.257 χ^2/NDF : 382219.3/18

Left In: 514.051 $\pm$ 0.096 χ^2/NDF : 1008558.1/18

Left: 517.463 $\pm$ 0.067 χ^2/NDF : 2125675.5/39

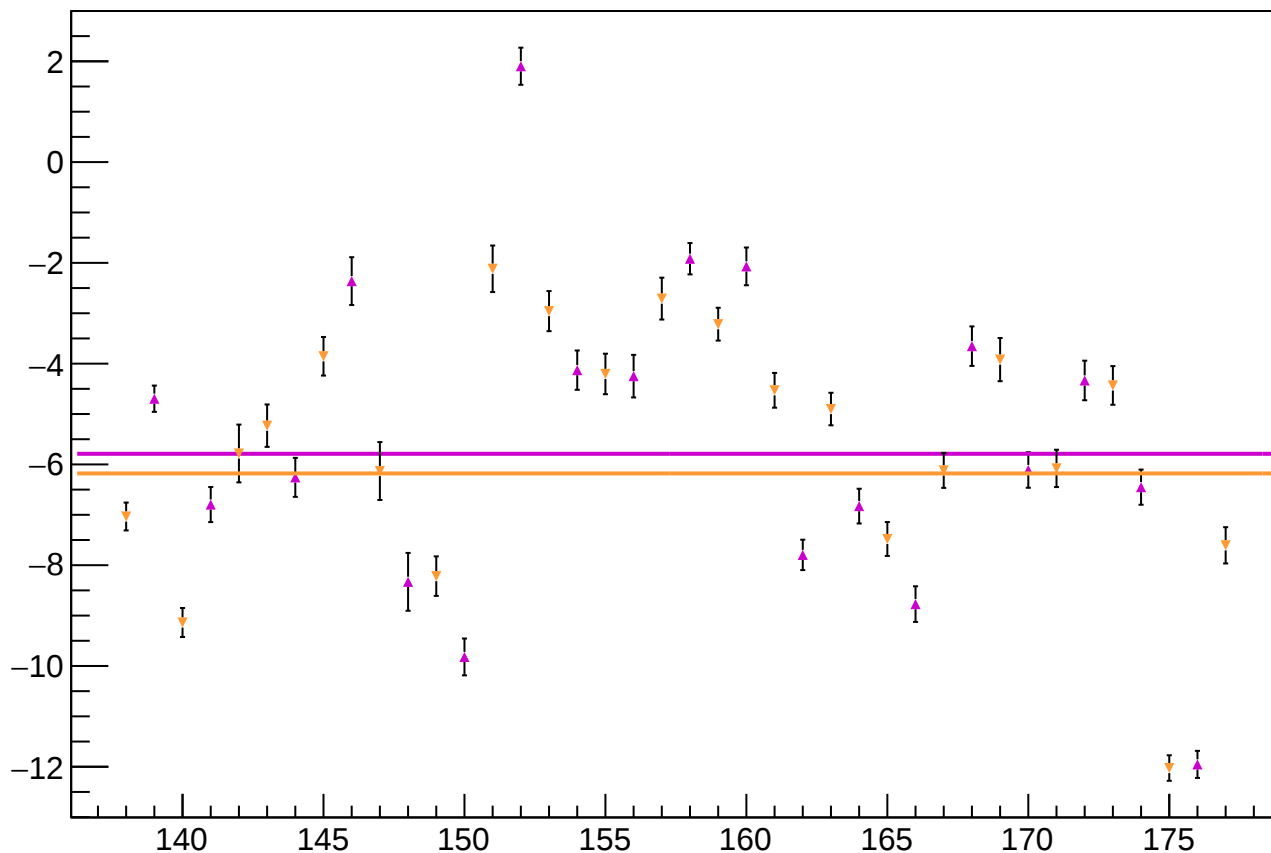
Right: 940.607 $\pm$ 0.183 χ^2/NDF : 776385.5/35

In: 564.270 $\pm$ 0.090 χ^2/NDF : 3638905.7/35

Out: 572.029 $\pm$ 0.089 χ^2/NDF : 3977738.5/39

All: 568.228 $\pm$ 0.063 χ^2/NDF : 7620399.3/75

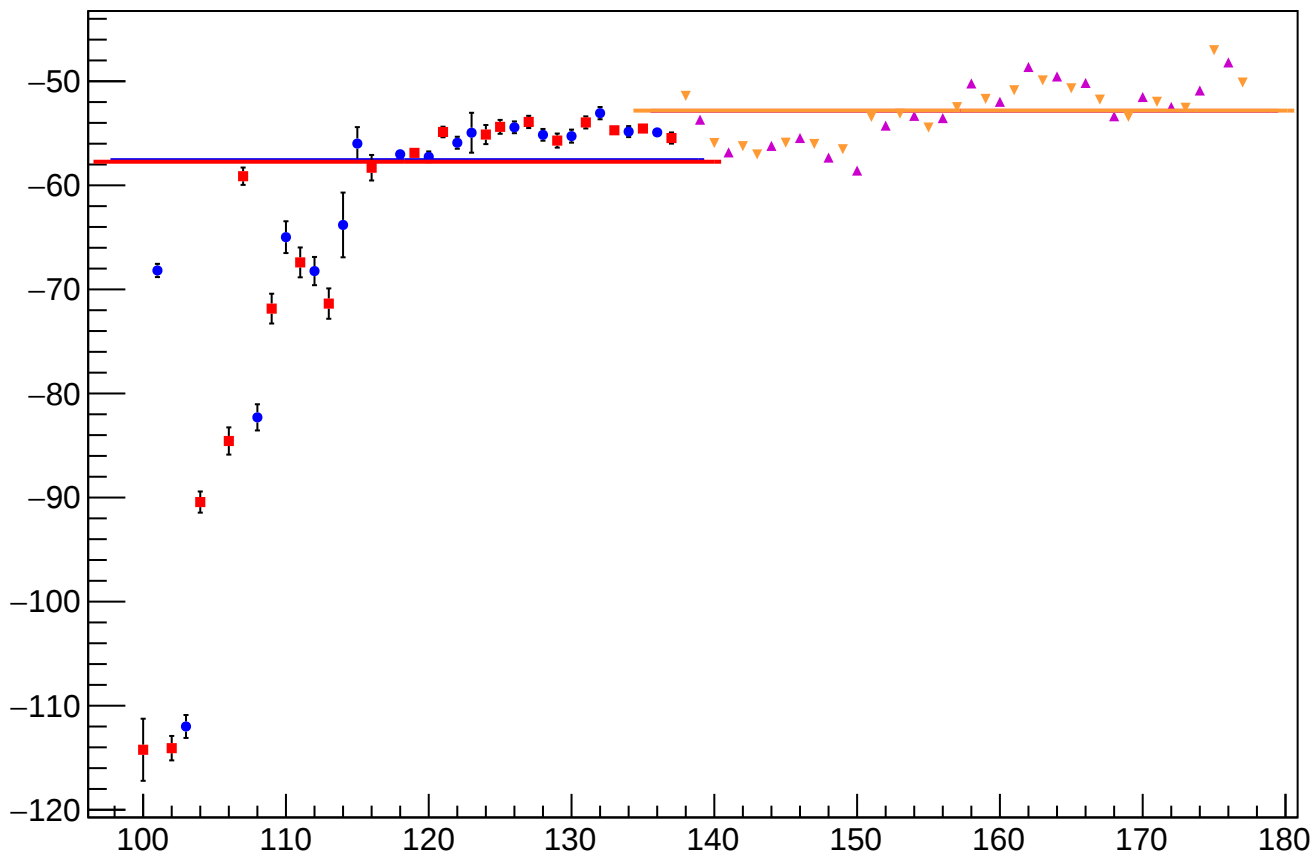
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -6.179 $\pm$ 0.079 χ^2/NDF :1154.1/20
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -5.789 $\pm$ 0.081 χ^2/NDF :1640.0/18

Left: -5.989 $\pm$ 0.057 χ^2/NDF : 2805.9/39
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -5.789 $\pm$ 0.081 χ^2/NDF :1640.0/18
 Out: -6.179 $\pm$ 0.079 χ^2/NDF :1154.1/20
 All: -5.989 $\pm$ 0.057 χ^2/NDF : 2805.9/39

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581+/-0.143 χ^2/NDF : 3455.5/16

Left Out: -52.820+/-0.061 χ^2/NDF :1900.4/20

Right Out: -57.732+/-0.143 χ^2/NDF : 4698.5/18

Left In: -52.847+/-0.064 χ^2/NDF :2351.6/18

Left: -52.833+/-0.044 χ^2/NDF : 4252.1/39

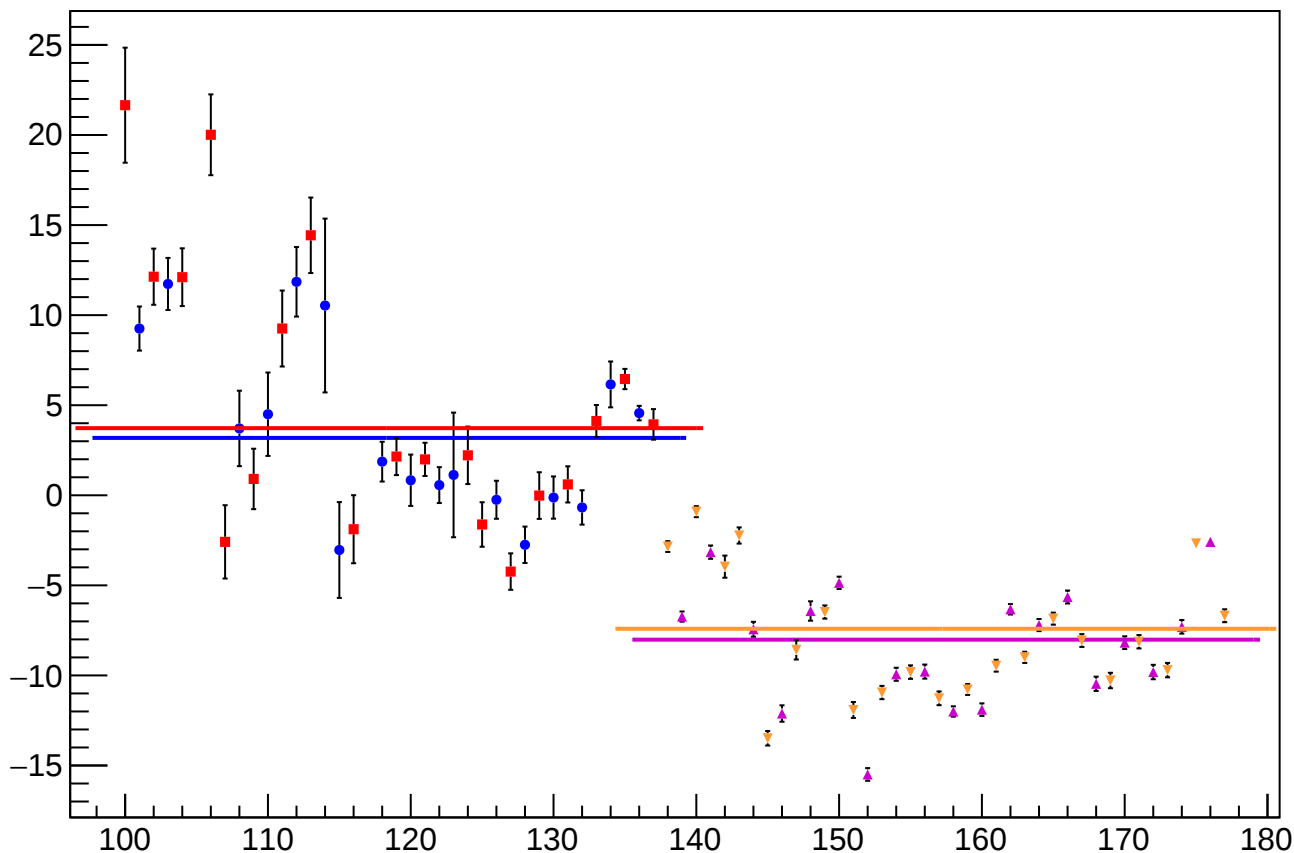
Right: -57.657+/-0.101 χ^2/NDF : 8154.5/35

In: -53.630+/-0.058 χ^2/NDF :6721.0/35

Out: -53.571+/-0.056 χ^2/NDF :7599.1/39

All: -53.599+/-0.040 χ^2/NDF : 14320.6/75

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.410 ± 0.078 $\chi^2/\text{NDF}: 2054.3/20$

Right Out: 3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

Left In: -8.015 ± 0.080 $\chi^2/\text{NDF}: 1747.3/18$

Left: -7.705 ± 0.056 $\chi^2/\text{NDF}: 3830.6/39$

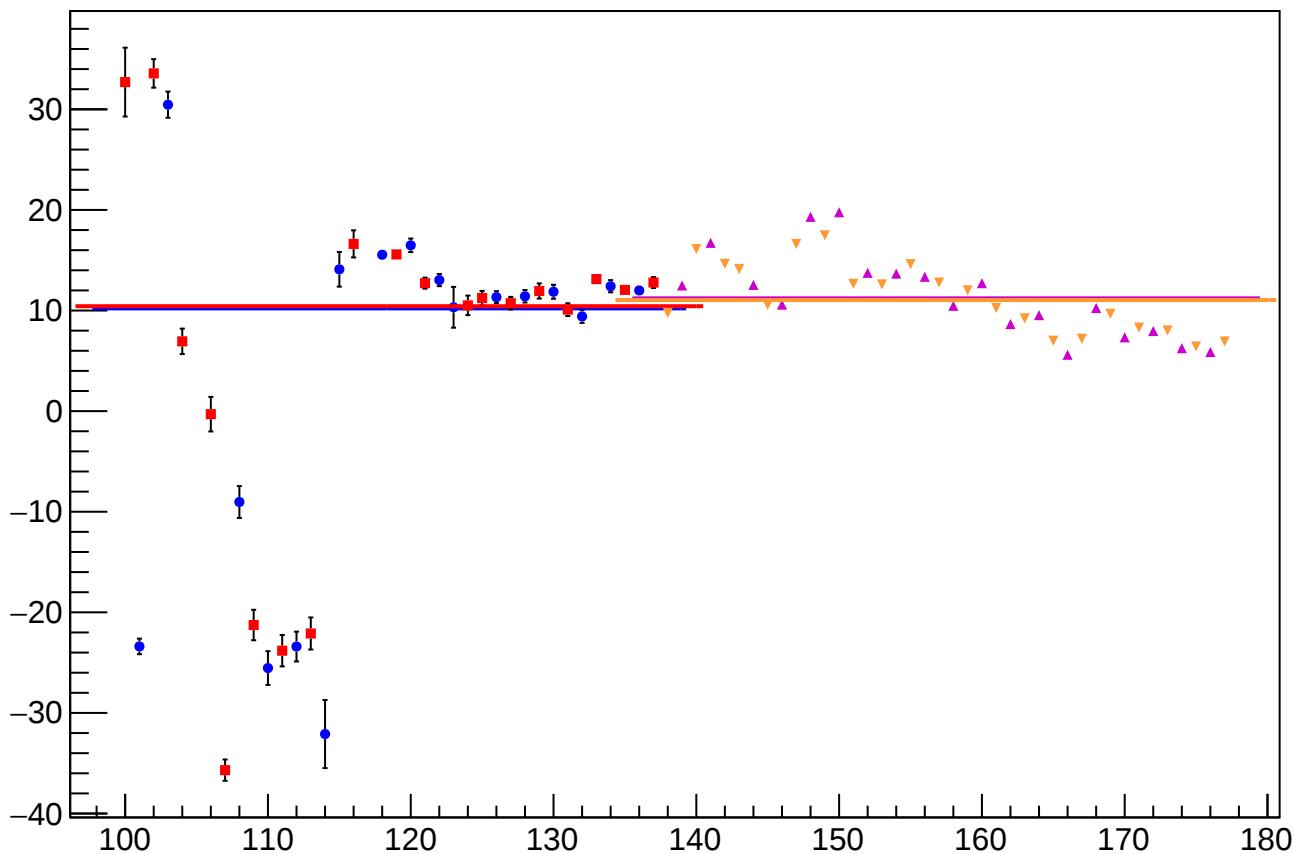
Right: 3.447 ± 0.186 $\chi^2/\text{NDF}: 512.0/35$

In: -7.033 ± 0.077 $\chi^2/\text{NDF}: 3639.1/35$

Out: -6.528 ± 0.075 $\chi^2/\text{NDF}: 3973.7/39$

All: -6.776 ± 0.054 $\chi^2/\text{NDF}: 7634.9/75$

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: 11.039 $\pm$ 0.068 χ^2 /NDF:2359.8/20

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

Left In: 11.212 $\pm$ 0.071 χ^2 /NDF:3173.6/18

Left: 11.122 $\pm$ 0.049 χ^2 /NDF: 5536.5/39

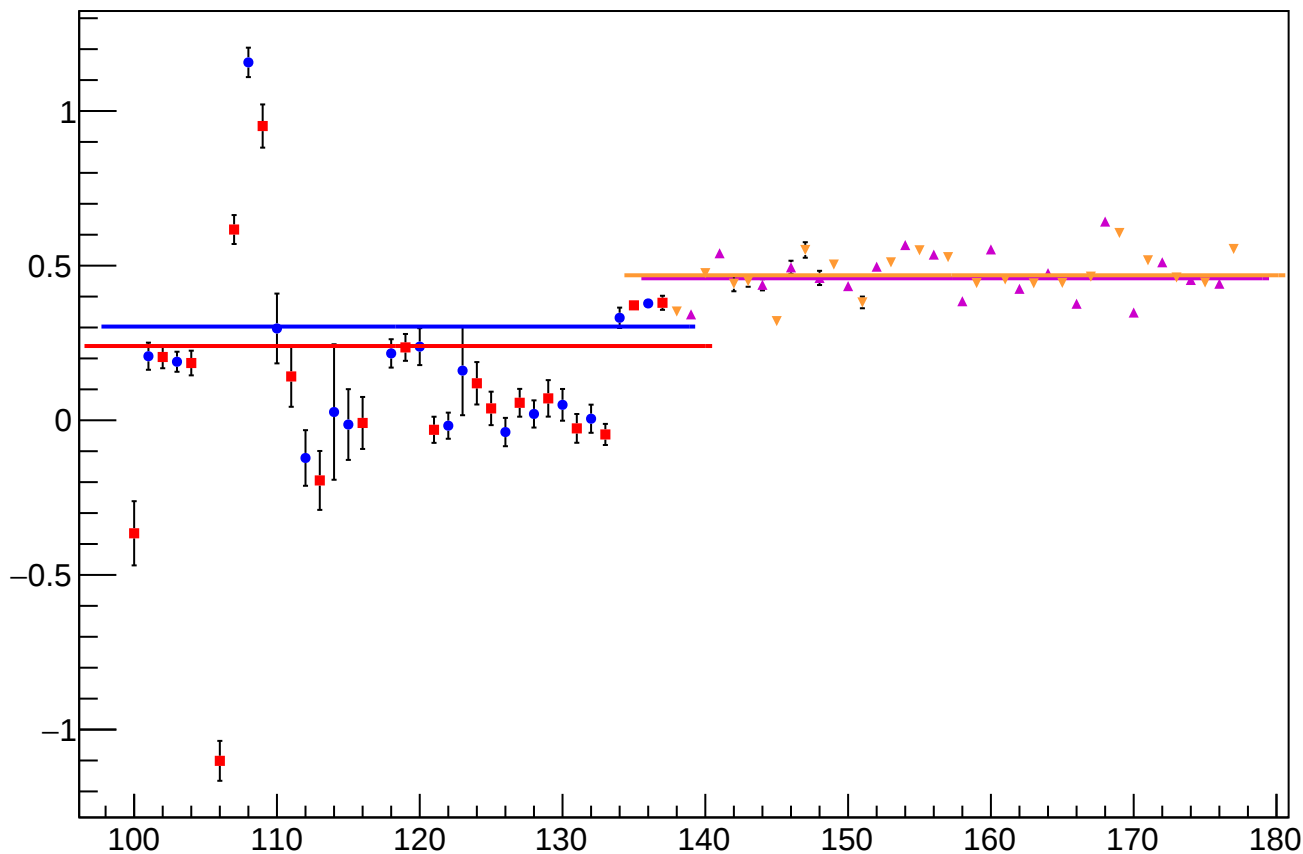
Right: 10.321 $\pm$ 0.112 χ^2 /NDF: 7520.5/35

In: 11.044 $\pm$ 0.065 χ^2 /NDF:6899.3/35

Out: 10.946 $\pm$ 0.063 χ^2 /NDF:6199.0/39

All: 10.993 $\pm$ 0.045 χ^2 /NDF: 13099.5/75

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: 0.469 $\pm$ 0.003 χ^2 /NDF:443.2/20

Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.4/18

Left In: 0.459 $\pm$ 0.003 χ^2 /NDF:671.0/18

Left: 0.464 $\pm$ 0.002 χ^2 /NDF: 1119.2/39

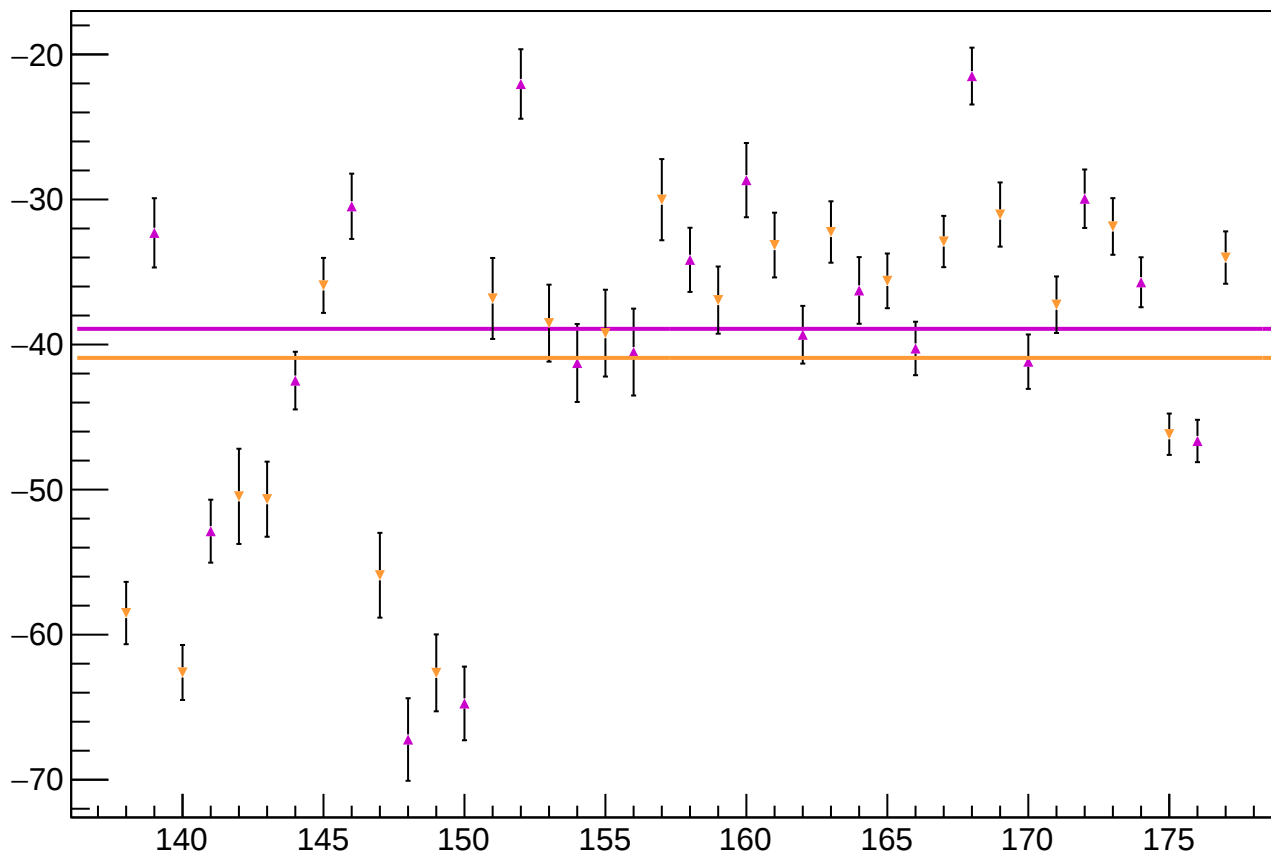
Right: 0.273 $\pm$ 0.006 χ^2 /NDF: 1658.9/35

In: 0.440 $\pm$ 0.003 χ^2 /NDF:1633.4/35

Out: 0.443 $\pm$ 0.003 χ^2 /NDF:2064.5/39

All: 0.441 $\pm$ 0.002 χ^2 /NDF: 3698.4/75

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -40.920 $\pm$ 0.470 χ^2 /NDF:473.2/20

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

Left In: -38.918 $\pm$ 0.486 χ^2 /NDF:473.9/18

Left: -39.952 $\pm$ 0.338 χ^2 /NDF: 955.8/39

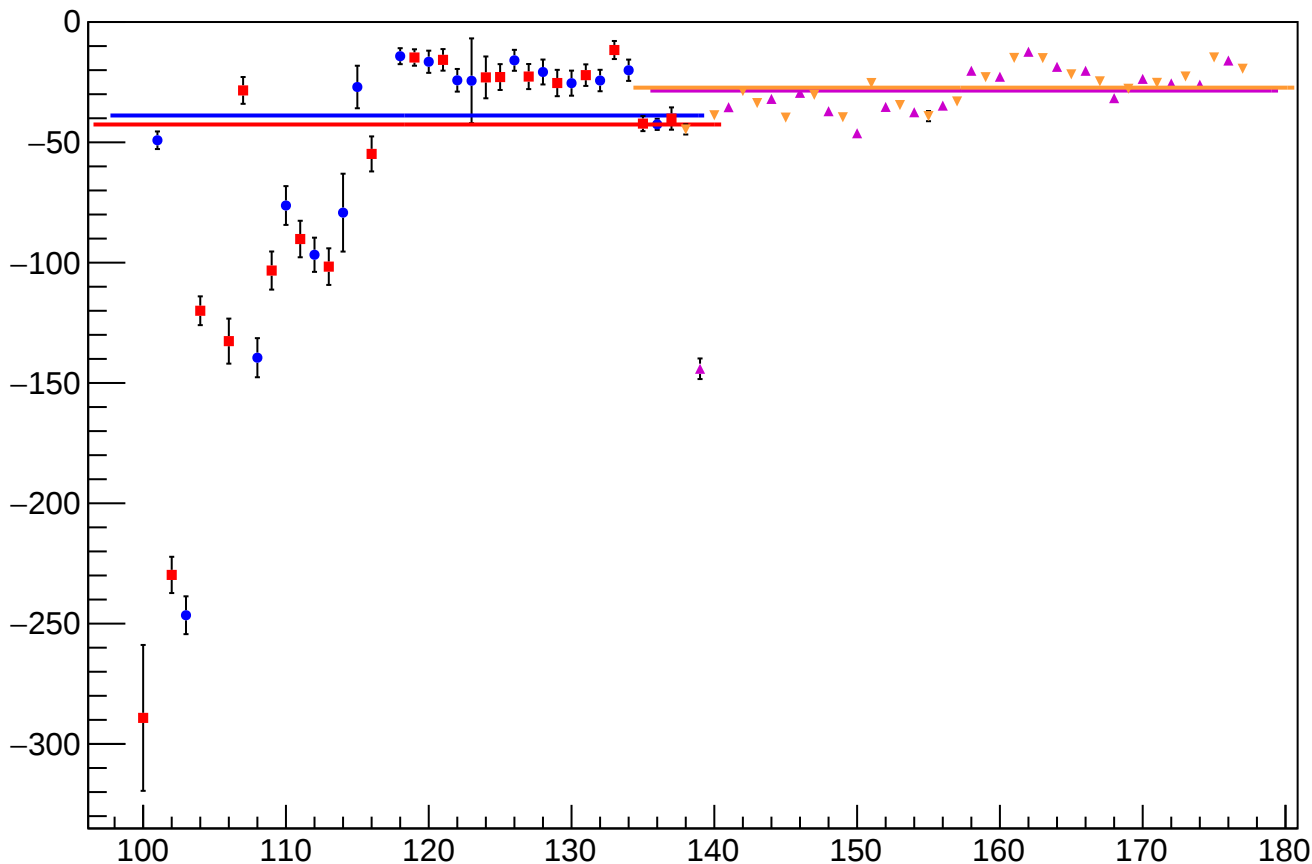
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -38.918 $\pm$ 0.486 χ^2 /NDF:473.9/18

Out: -40.920 $\pm$ 0.470 χ^2 /NDF:473.2/20

All: -39.952 $\pm$ 0.338 χ^2 /NDF: 955.8/39

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: -27.277 ± 0.355 $\chi^2/\text{NDF}: 582.8/20$

Right Out: -42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

Left In: -28.488 ± 0.370 $\chi^2/\text{NDF}: 1251.2/18$

Left: -27.857 ± 0.256 $\chi^2/\text{NDF}: 1839.6/39$

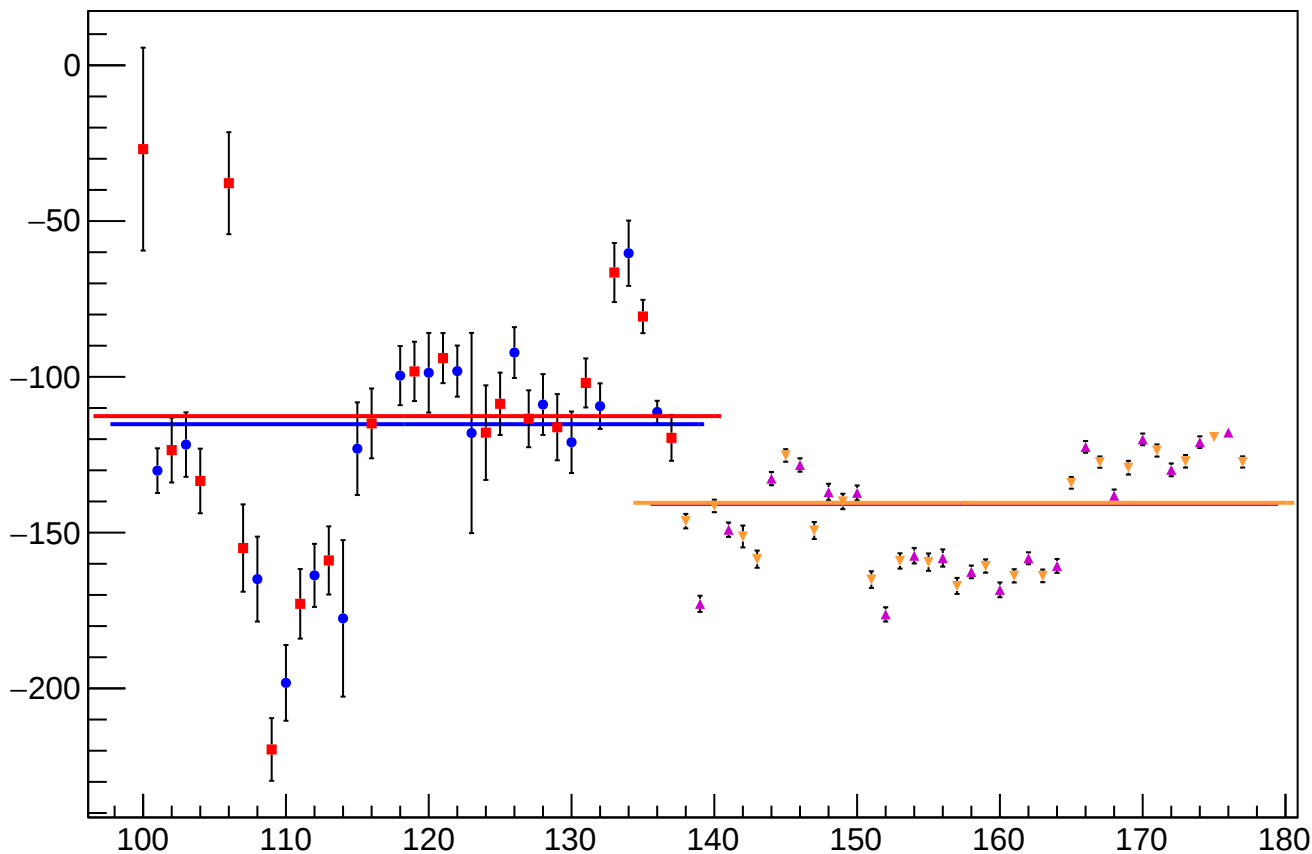
Right: -40.617 ± 0.833 $\chi^2/\text{NDF}: 2472.6/35$

In: -29.464 ± 0.353 $\chi^2/\text{NDF}: 2446.8/35$

Out: -28.490 ± 0.341 $\chi^2/\text{NDF}: 2075.8/39$

All: -28.961 ± 0.245 $\chi^2/\text{NDF}: 4526.6/75$

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: -140.420 ± 0.469 $\chi^2/\text{NDF}: 1244.5/20$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

Left In: -140.834 ± 0.483 $\chi^2/\text{NDF}: 1563.0/18$

Left: -140.621 ± 0.337 $\chi^2/\text{NDF}: 2807.9/39$

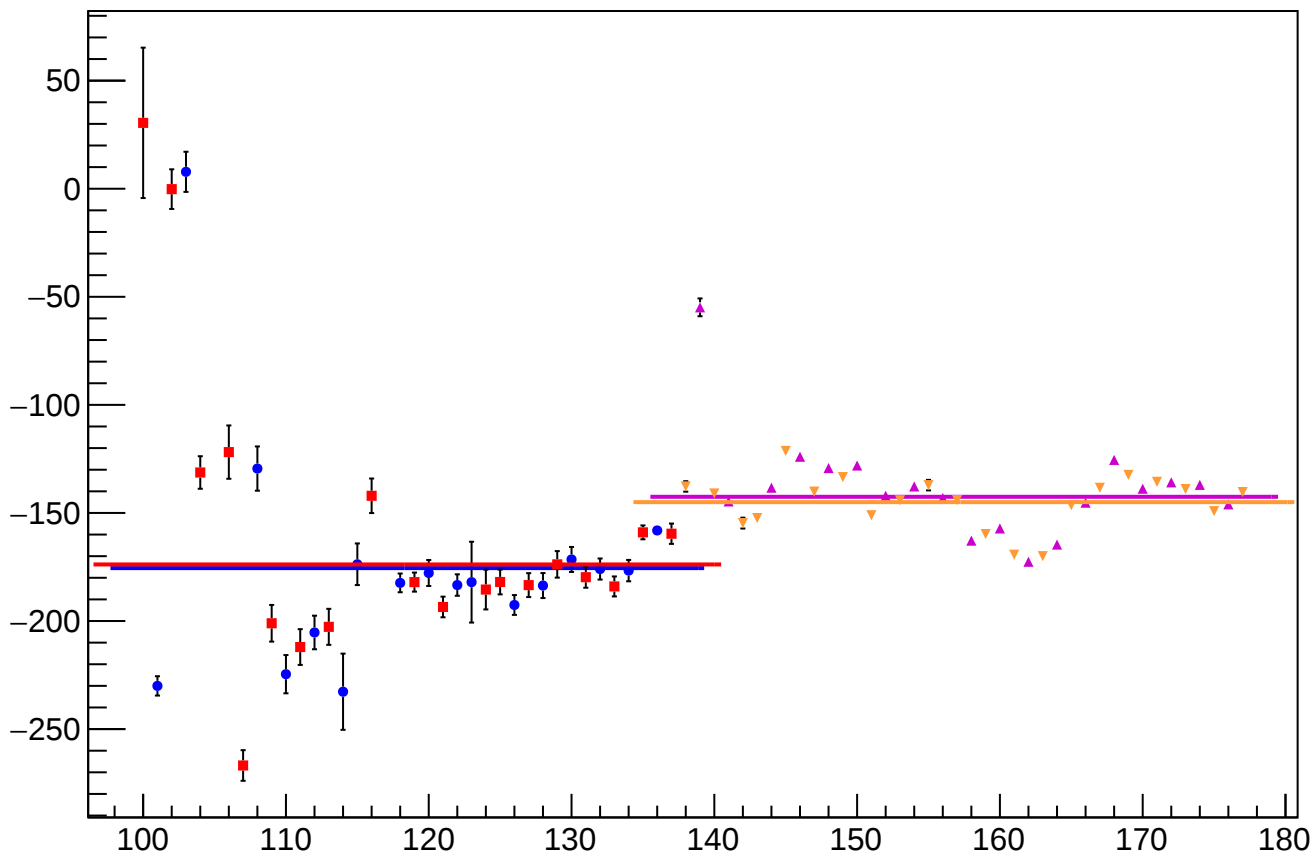
Right: -113.982 ± 1.515 $\chi^2/\text{NDF}: 413.9/35$

In: -139.523 ± 0.471 $\chi^2/\text{NDF}: 1847.7/35$

Out: -139.221 ± 0.459 $\chi^2/\text{NDF}: 1668.5/39$

All: -139.368 ± 0.329 $\chi^2/\text{NDF}: 3516.4/75$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 $\chi^2/\text{NDF}: 692.3/16$

Left Out: -145.000 ± 0.402 $\chi^2/\text{NDF}: 917.8/20$

Right Out: -173.830 ± 1.357 $\chi^2/\text{NDF}: 737.9/18$

Left In: -142.525 ± 0.419 $\chi^2/\text{NDF}: 1469.7/18$

Left: -143.814 ± 0.290 $\chi^2/\text{NDF}: 2405.7/39$

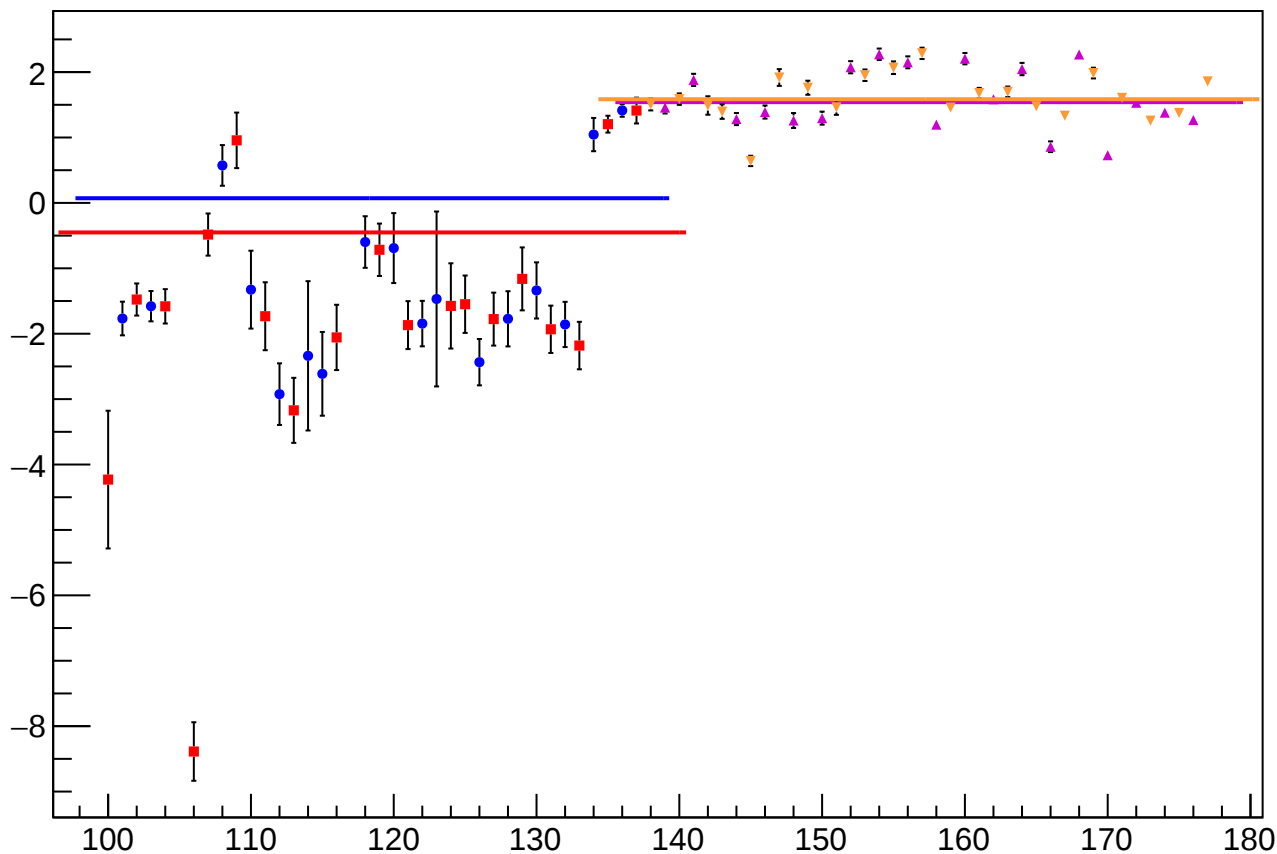
Right: -174.726 ± 0.930 $\chi^2/\text{NDF}: 1431.0/35$

In: -145.730 ± 0.398 $\chi^2/\text{NDF}: 2764.7/35$

Out: -147.325 ± 0.385 $\chi^2/\text{NDF}: 2070.9/39$

All: -146.554 ± 0.277 $\chi^2/\text{NDF}: 4844.0/75$

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.585 ± 0.018 χ^2/NDF : 352.7/20

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

Left In: 1.540 ± 0.019 χ^2/NDF : 621.6/18

Left: 1.563 ± 0.013 χ^2/NDF : 977.1/39

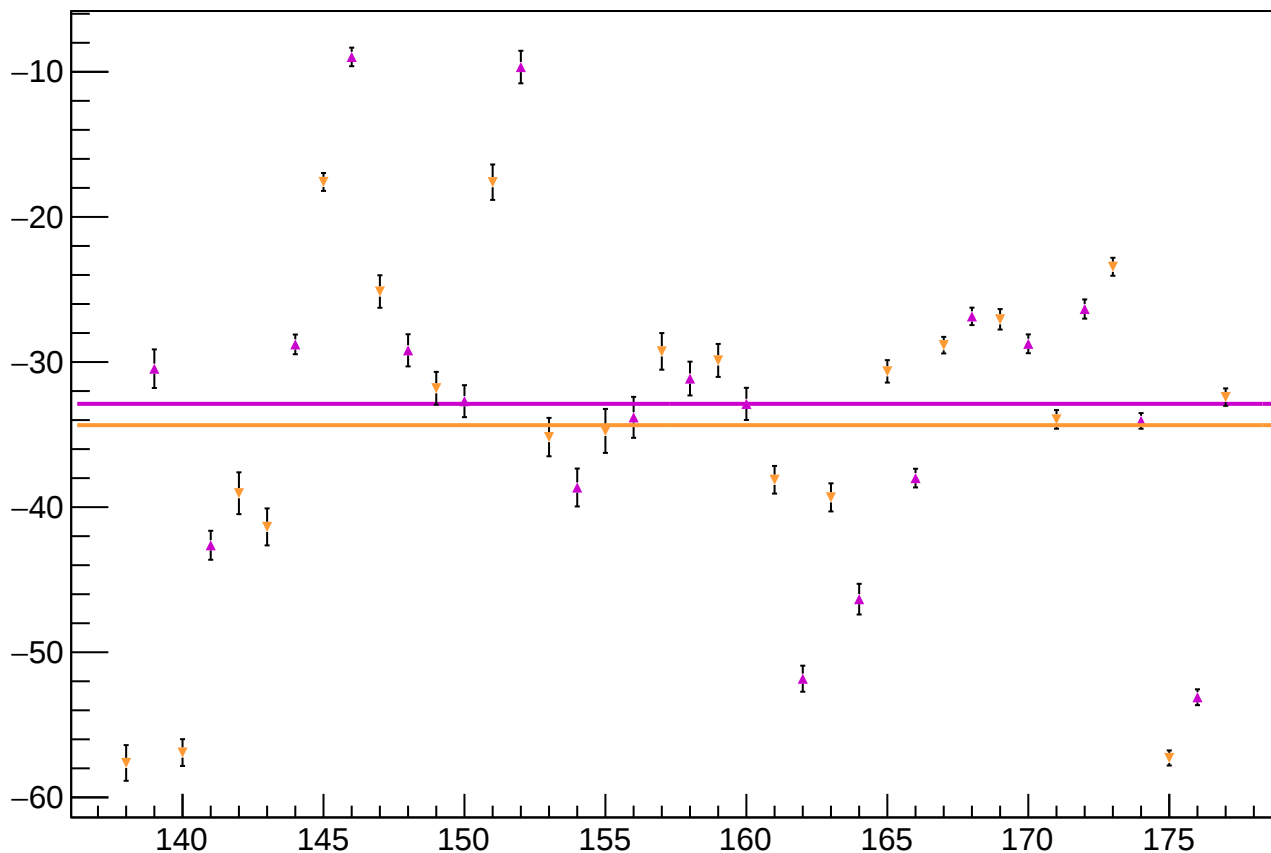
Right: -0.174 ± 0.049 χ^2/NDF : 1305.0/35

In: 1.433 ± 0.018 χ^2/NDF : 1590.3/35

Out: 1.457 ± 0.018 χ^2/NDF : 1867.7/39

All: 1.445 ± 0.013 χ^2/NDF : 3458.9/75

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.349 $\pm$ 0.181 χ^2 /NDF:4565.1/20

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

Left In: -32.880 $\pm$ 0.182 χ^2 /NDF:4280.3/18

Left: -33.622 $\pm$ 0.128 χ^2 /NDF: 8878.2/39

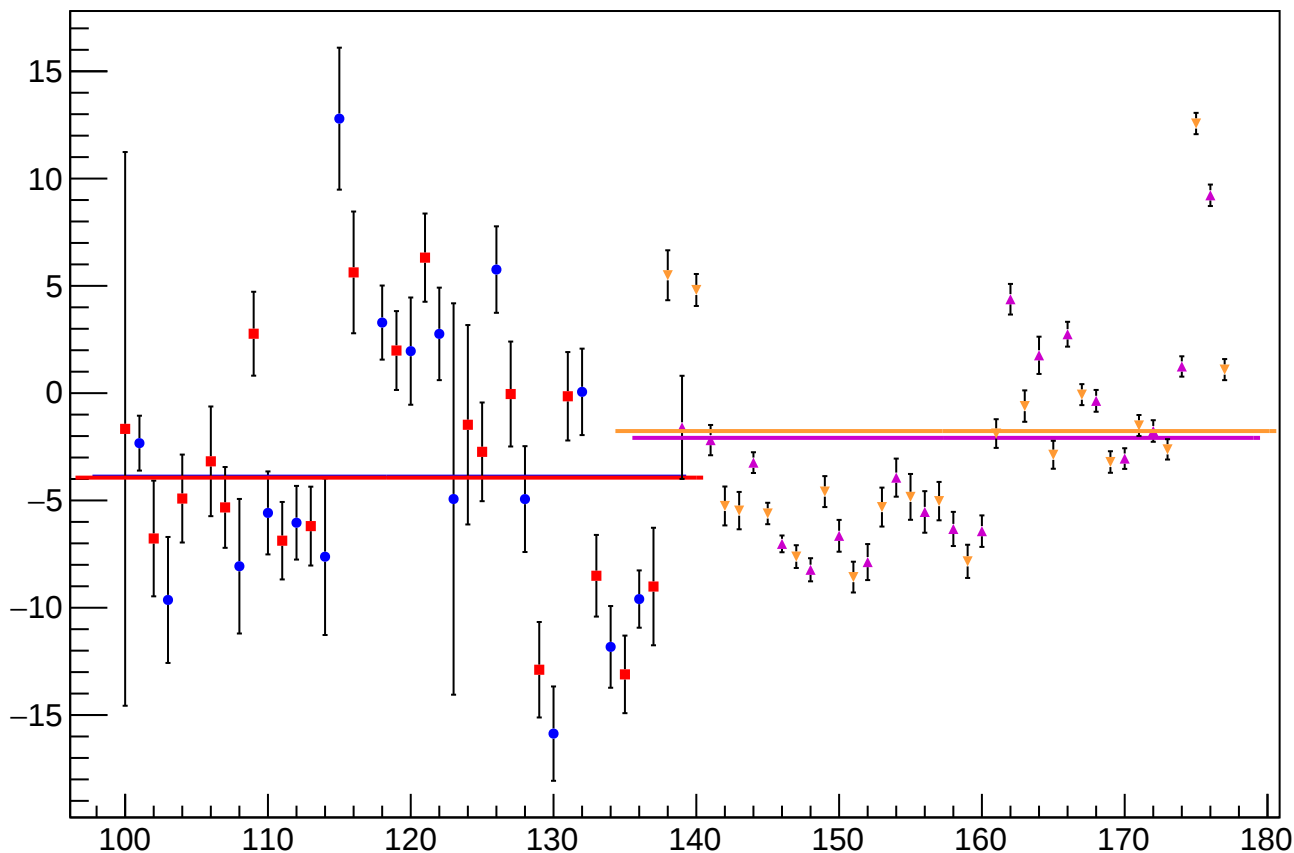
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -32.880 $\pm$ 0.182 χ^2 /NDF:4280.3/18

Out: -34.349 $\pm$ 0.181 χ^2 /NDF:4565.1/20

All: -33.622 $\pm$ 0.128 χ^2 /NDF: 8878.2/39

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -1.767 ± 0.137 χ^2/NDF : 1430.9/20

Right Out: -3.937 ± 0.507 χ^2/NDF : 122.2/18

Left In: -2.084 ± 0.138 χ^2/NDF : 1208.4/18

Left: -1.924 ± 0.097 χ^2/NDF : 2642.0/39

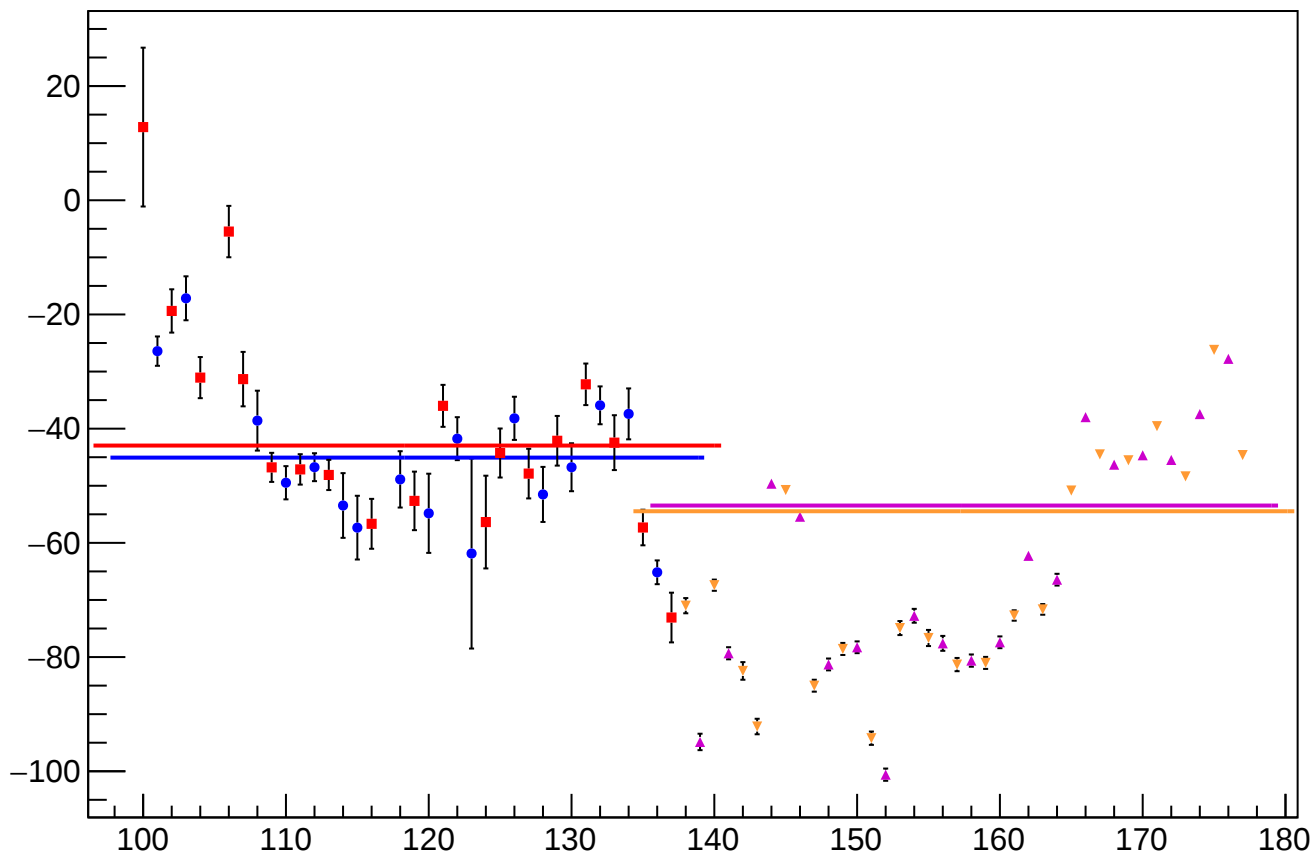
Right: -3.913 ± 0.355 χ^2/NDF : 282.6/35

In: -2.213 ± 0.133 χ^2/NDF : 1381.1/35

Out: -1.915 ± 0.133 χ^2/NDF : 1570.1/39

All: -2.063 ± 0.094 χ^2/NDF : 2953.7/75

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -54.463 ± 0.181 χ^2/NDF : 10729.9/20

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

Left In: -53.465 ± 0.183 χ^2/NDF : 10745.8/18

Left: -53.968 ± 0.129 χ^2/NDF : 21490.7/39

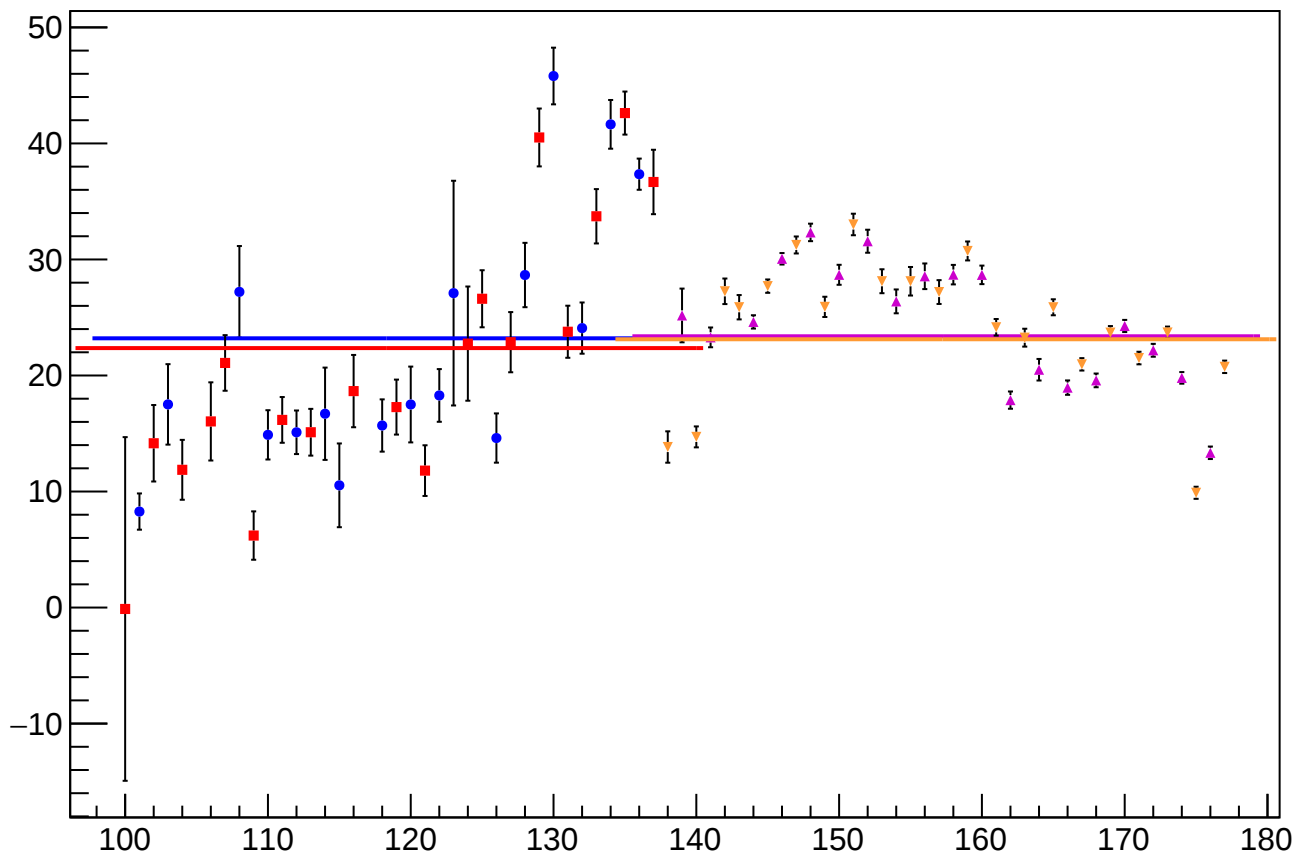
Right: -44.008 ± 0.623 χ^2/NDF : 480.9/35

In: -53.120 ± 0.179 χ^2/NDF : 11062.1/35

Out: -53.993 ± 0.177 χ^2/NDF : 11142.9/39

All: -53.560 ± 0.126 χ^2/NDF : 22217.0/75

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 23.123 $\pm$ 0.155 χ^2 /NDF:1316.6/20

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

Left In: 23.380 $\pm$ 0.157 χ^2 /NDF:1112.3/18

Left: 23.249 $\pm$ 0.110 χ^2 /NDF: 2430.3/39

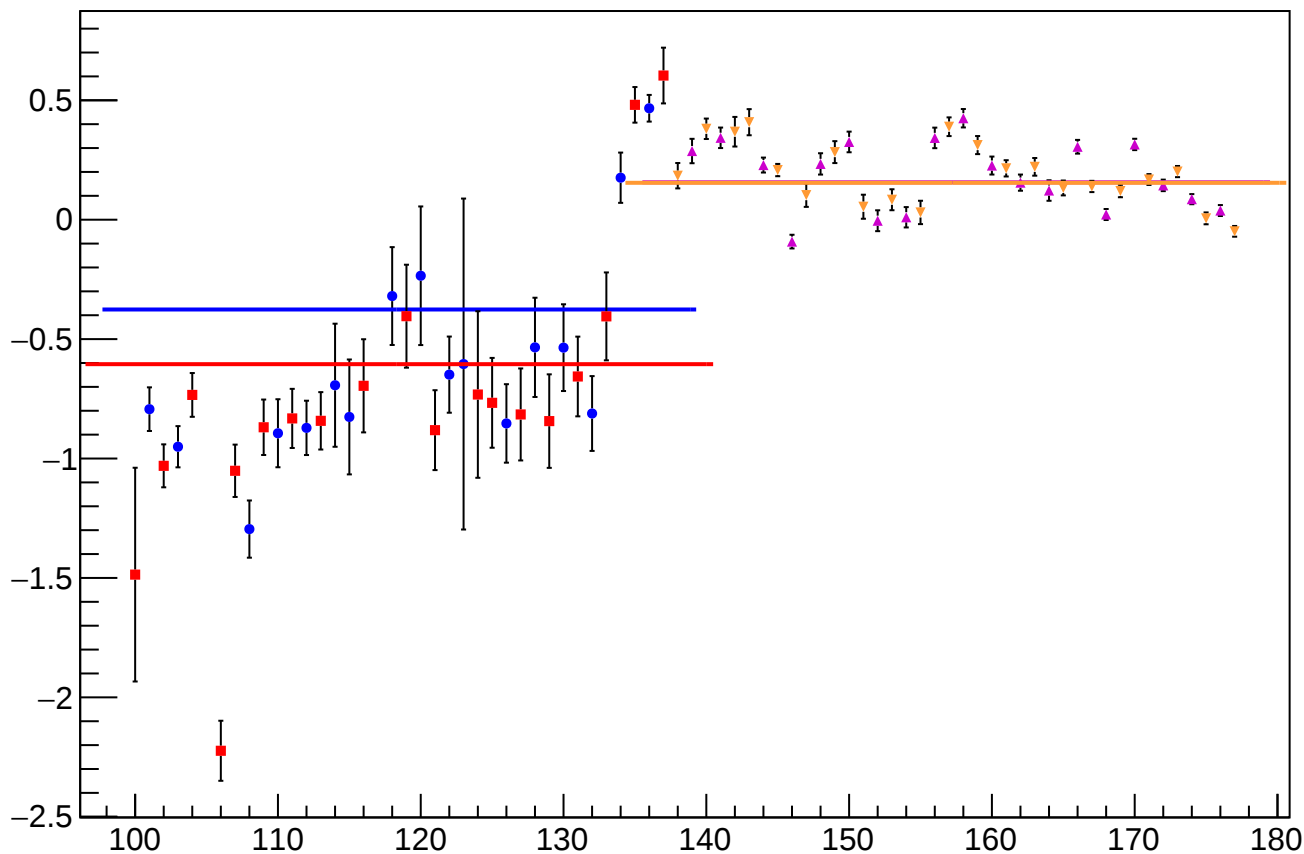
Right: 22.793 $\pm$ 0.400 χ^2 /NDF: 825.2/35

In: 23.367 $\pm$ 0.152 χ^2 /NDF:1569.7/35

Out: 23.071 $\pm$ 0.150 χ^2 /NDF:1685.2/39

All: 23.217 $\pm$ 0.106 χ^2 /NDF: 3256.8/75

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 χ^2/NDF : 437.3/16

Left Out: 0.155 ± 0.007 χ^2/NDF : 272.4/20

Right Out: -0.605 ± 0.030 χ^2/NDF : 551.1/18

Left In: 0.157 ± 0.007 χ^2/NDF : 364.1/18

Left: 0.156 ± 0.005 χ^2/NDF : 636.5/39

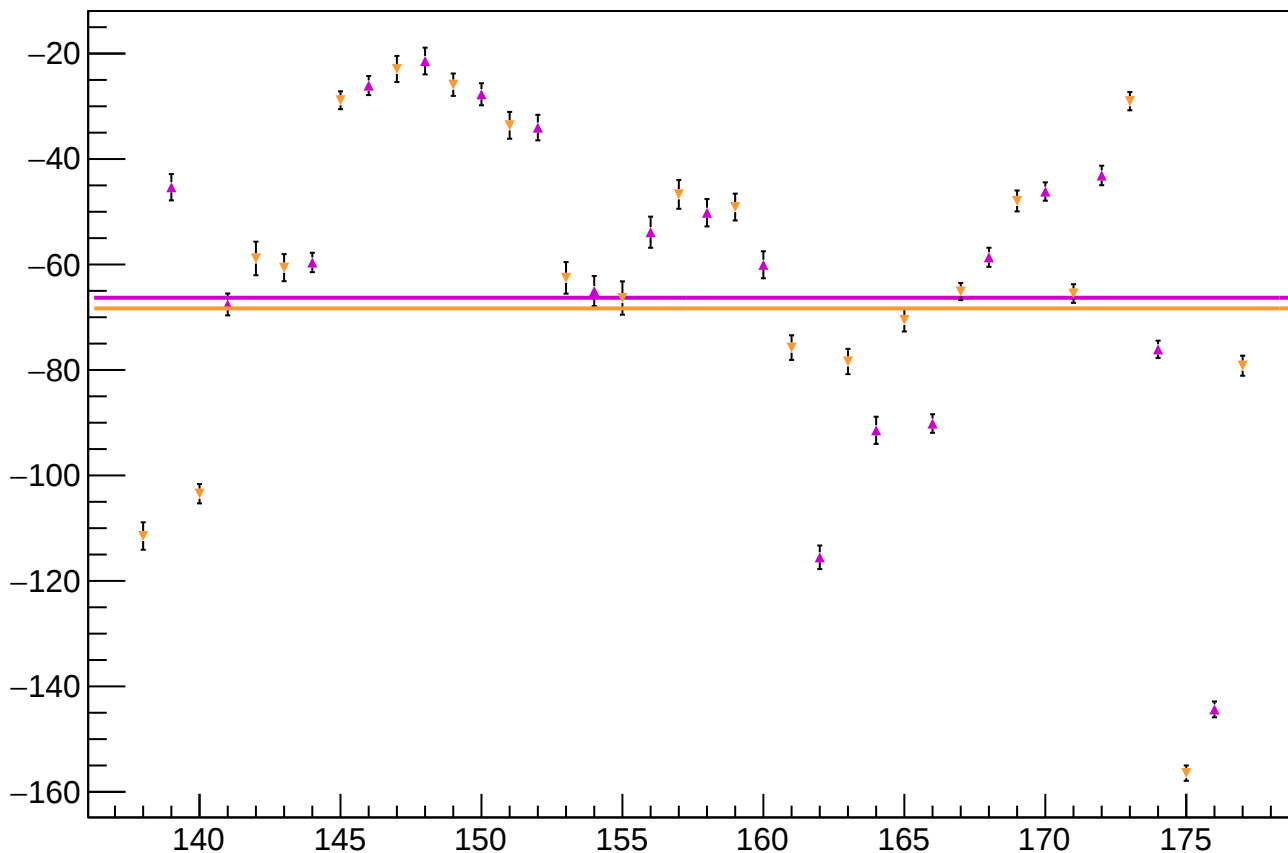
Right: -0.490 ± 0.021 χ^2/NDF : 1017.2/35

In: 0.128 ± 0.007 χ^2/NDF : 1097.1/35

Out: 0.115 ± 0.007 χ^2/NDF : 1421.8/39

All: 0.121 ± 0.005 χ^2/NDF : 2520.7/75

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -68.324+/-0.462 χ^2/NDF : 6598.7/20

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

Left In: -66.309+/-0.471 χ^2/NDF : 5267.9/18

Left: -67.336+/-0.330 χ^2/NDF : 11875.9/39

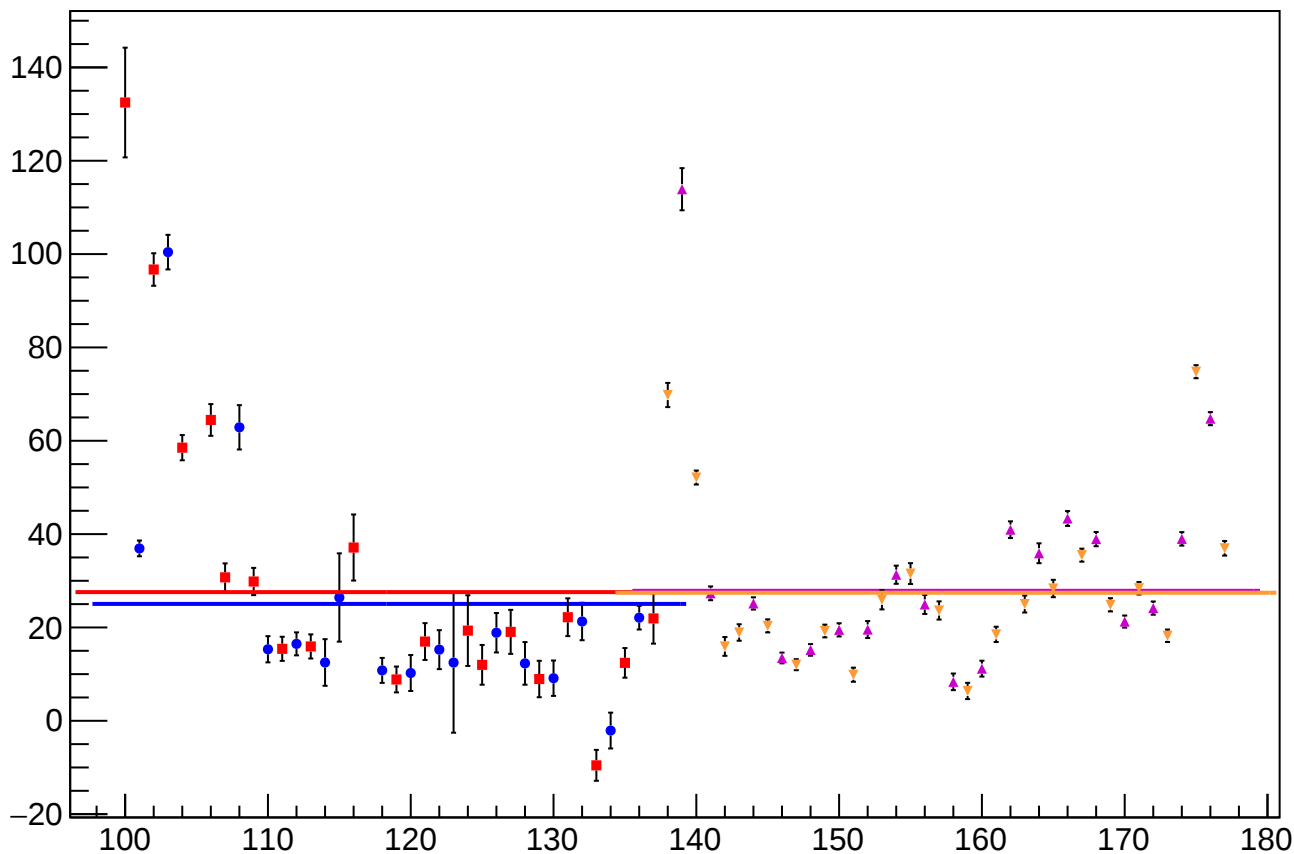
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -66.309+/-0.471 χ^2/NDF : 5267.9/18

Out: -68.324+/-0.462 χ^2/NDF : 6598.7/20

All: -67.336+/-0.330 χ^2/NDF : 11875.9/39

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 27.441 $\pm$ 0.345 χ^2 /NDF:2413.5/20

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

Left In: 27.855 $\pm$ 0.356 χ^2 /NDF:1904.4/18

Left: 27.641 $\pm$ 0.248 χ^2 /NDF: 4318.5/39

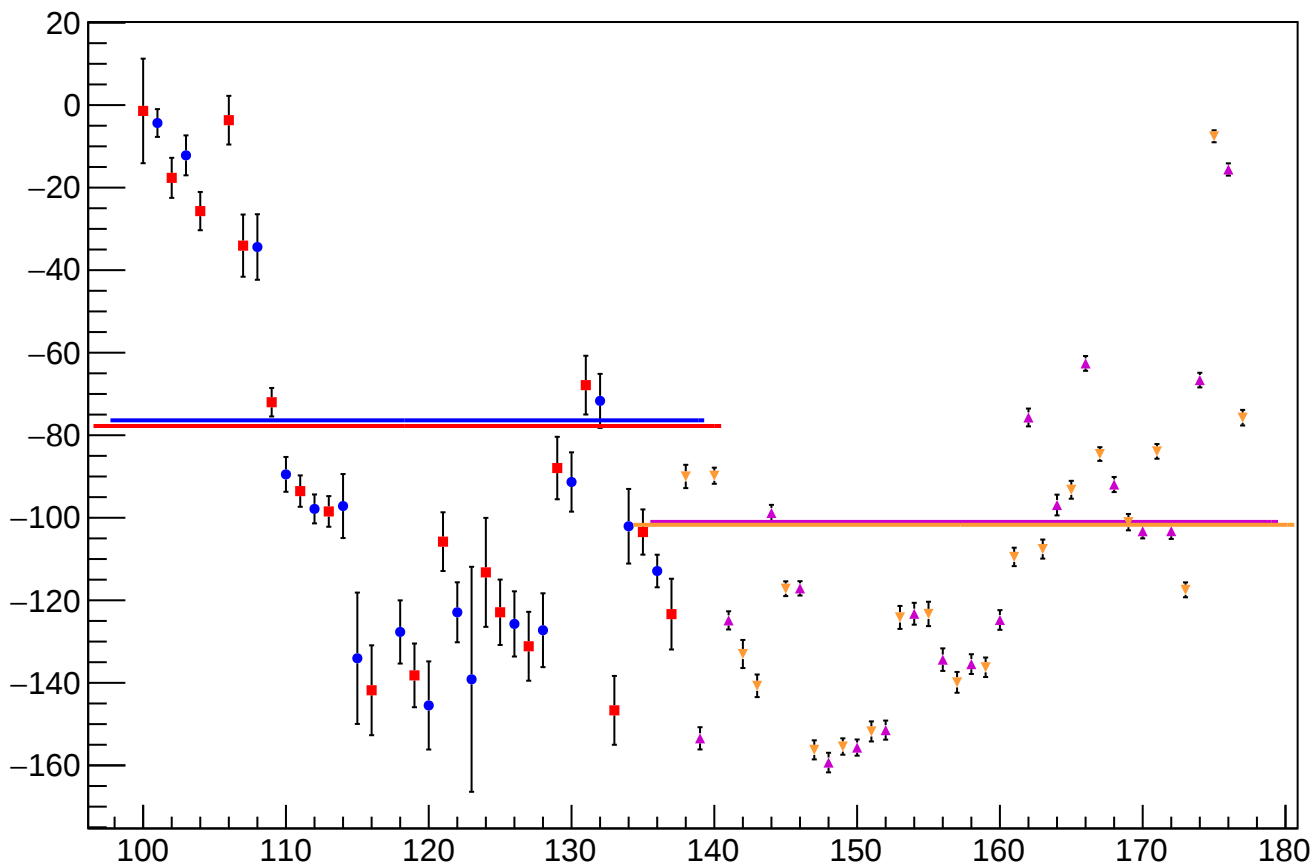
Right: 26.303 $\pm$ 0.571 χ^2 /NDF: 1704.1/35

In: 27.396 $\pm$ 0.326 χ^2 /NDF:2601.0/35

Out: 27.461 $\pm$ 0.318 χ^2 /NDF:3426.3/39

All: 27.430 $\pm$ 0.227 χ^2 /NDF: 6027.3/75

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 $\pm$ 1.416 χ^2/NDF : 1031.9/16

Left Out: -101.702 $\pm$ 0.461 χ^2/NDF : 7374.6/20

Right Out: -77.761 $\pm$ 1.353 χ^2/NDF : 872.7/18

Left In: -101.006 $\pm$ 0.469 χ^2/NDF : 7252.2/18

Left: -101.359 $\pm$ 0.329 χ^2/NDF : 14627.9/39

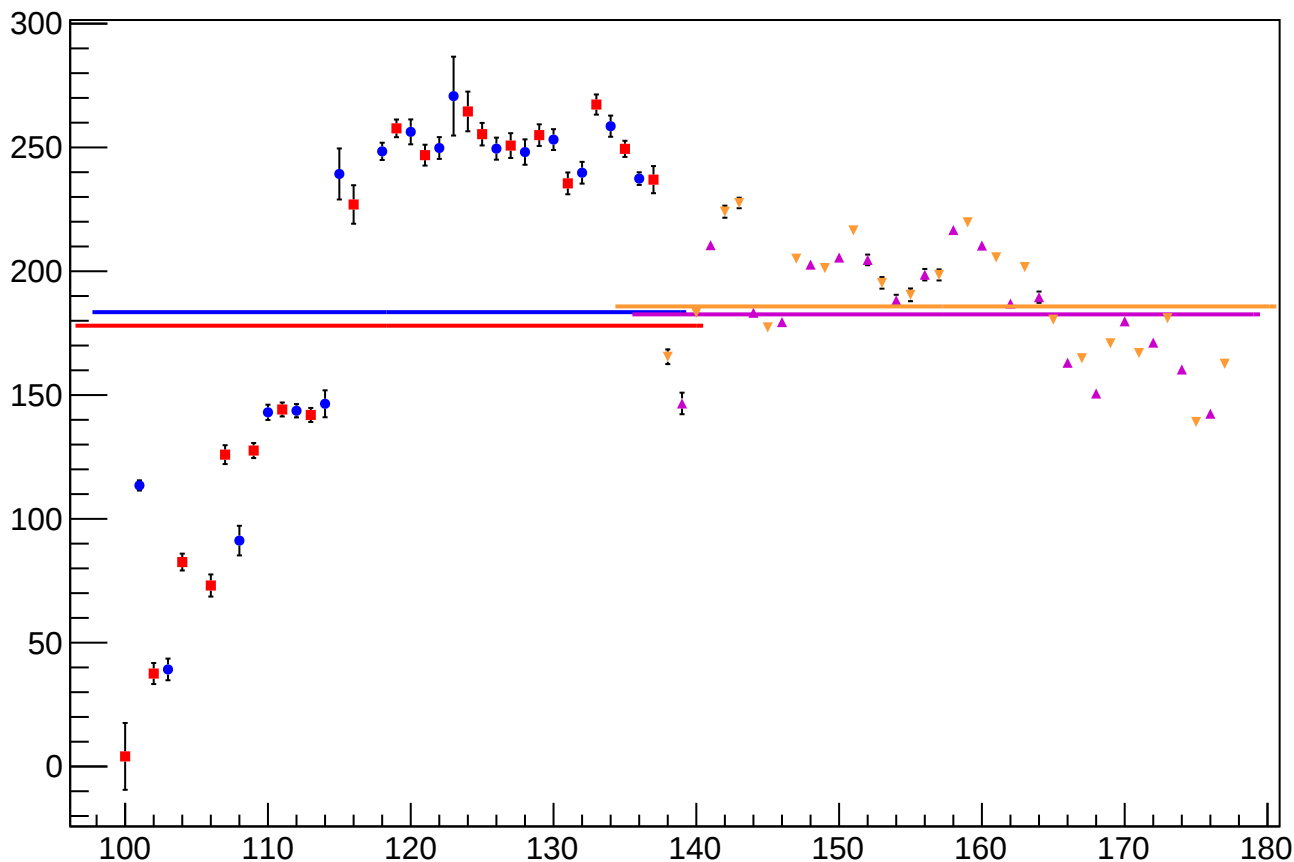
Right: -77.108 $\pm$ 0.978 χ^2/NDF : 1905.1/35

In: -98.571 $\pm$ 0.445 χ^2/NDF : 8556.3/35

Out: -99.208 $\pm$ 0.437 χ^2/NDF : 8527.8/39

All: -98.896 $\pm$ 0.312 χ^2/NDF : 17085.1/75

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478+/-0.919 χ^2/NDF : 5331.4/16

Left Out: 185.787+/-0.393 χ^2/NDF : 3426.0/20

Right Out: 178.011+/-0.924 χ^2/NDF : 6345.7/18

Left In: 182.584+/-0.405 χ^2/NDF : 2815.9/18

Left: 184.234+/-0.282 χ^2/NDF : 6274.1/39

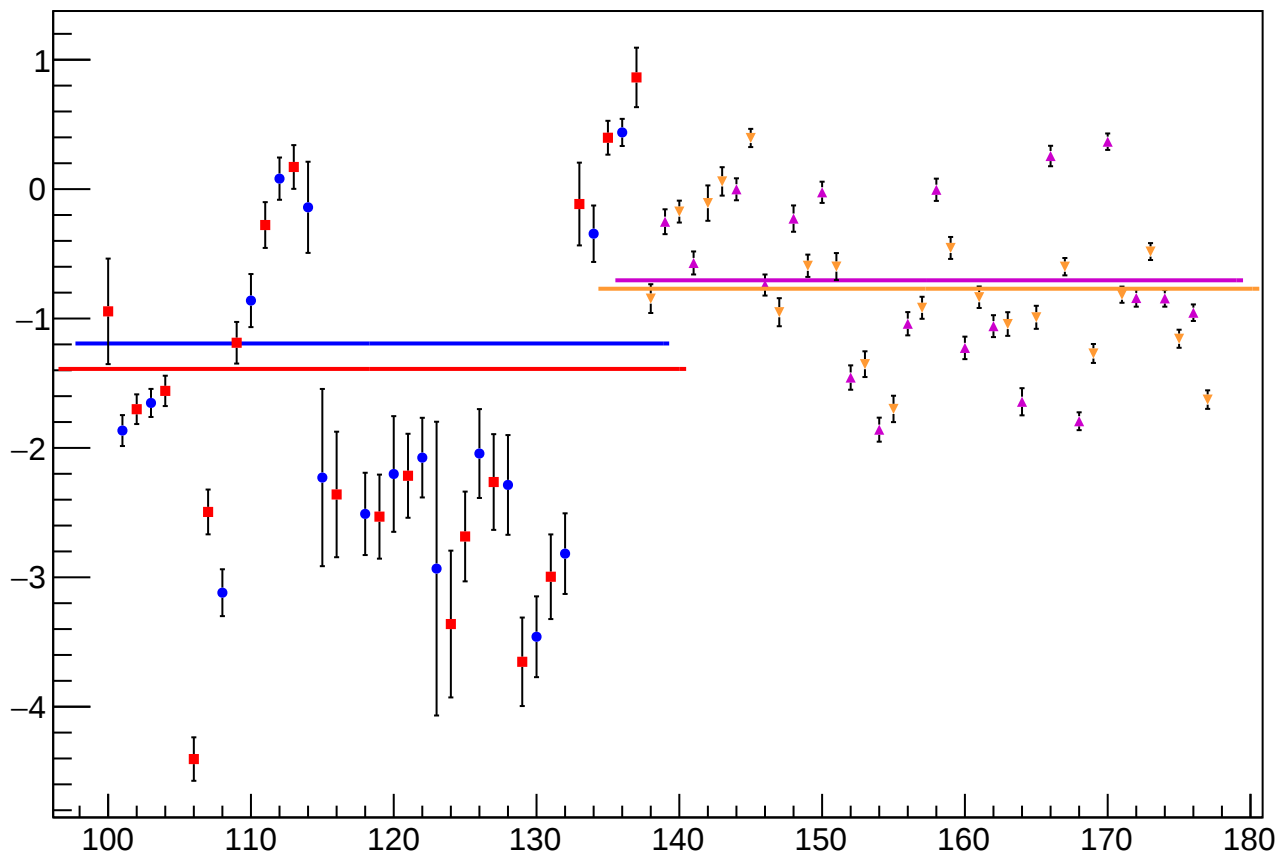
Right: 180.761+/-0.651 χ^2/NDF : 11694.8/35

In: 182.730+/-0.371 χ^2/NDF : 8148.1/35

Out: 184.593+/-0.362 χ^2/NDF : 9831.7/39

All: 183.685+/-0.259 χ^2/NDF : 17992.8/75

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.770 ± 0.018 χ^2/NDF : 811.0/20

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.705 ± 0.018 χ^2/NDF : 1321.7/18

Left: -0.738 ± 0.013 χ^2/NDF : 2139.1/39

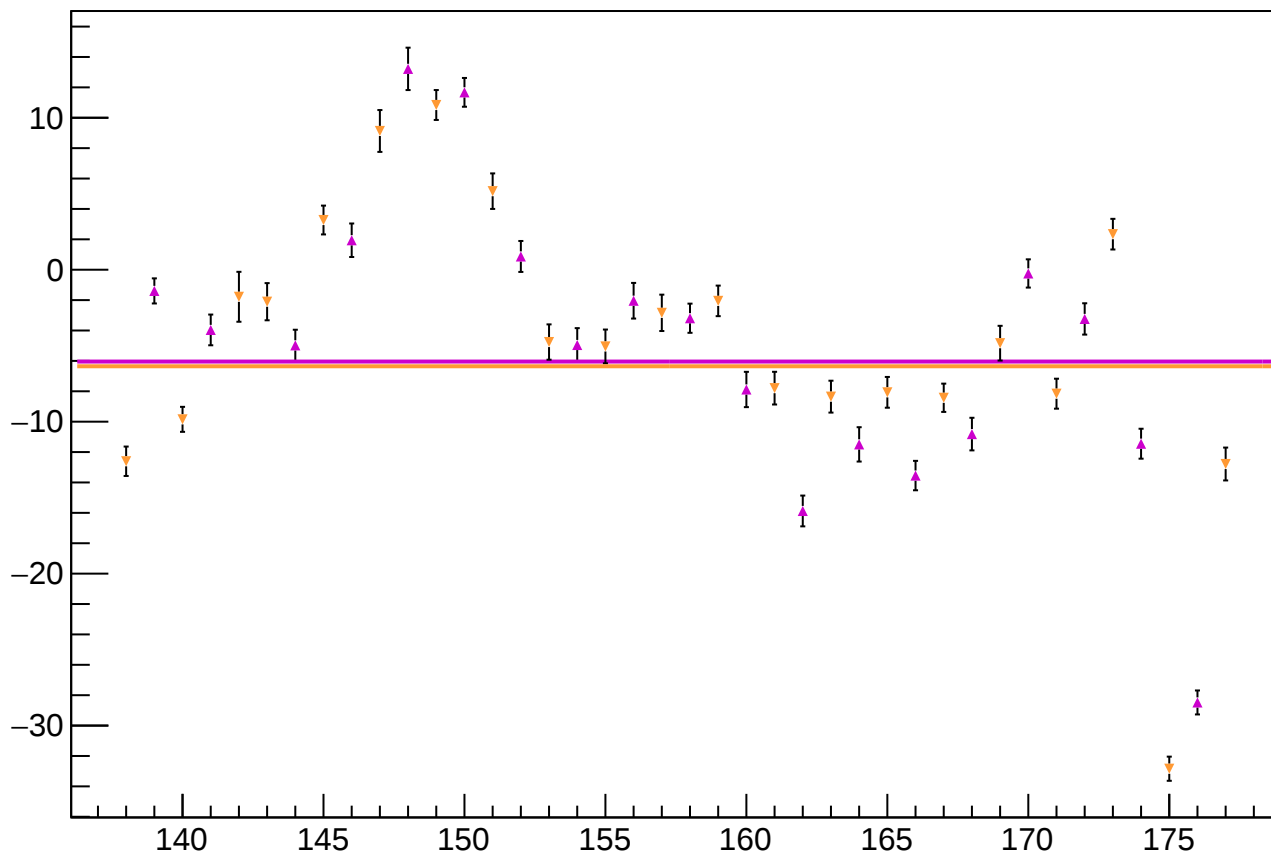
Right: -1.296 ± 0.033 χ^2/NDF : 1551.0/35

In: -0.767 ± 0.017 χ^2/NDF : 2033.0/35

Out: -0.854 ± 0.017 χ^2/NDF : 1889.6/39

All: -0.811 ± 0.012 χ^2/NDF : 3935.7/75

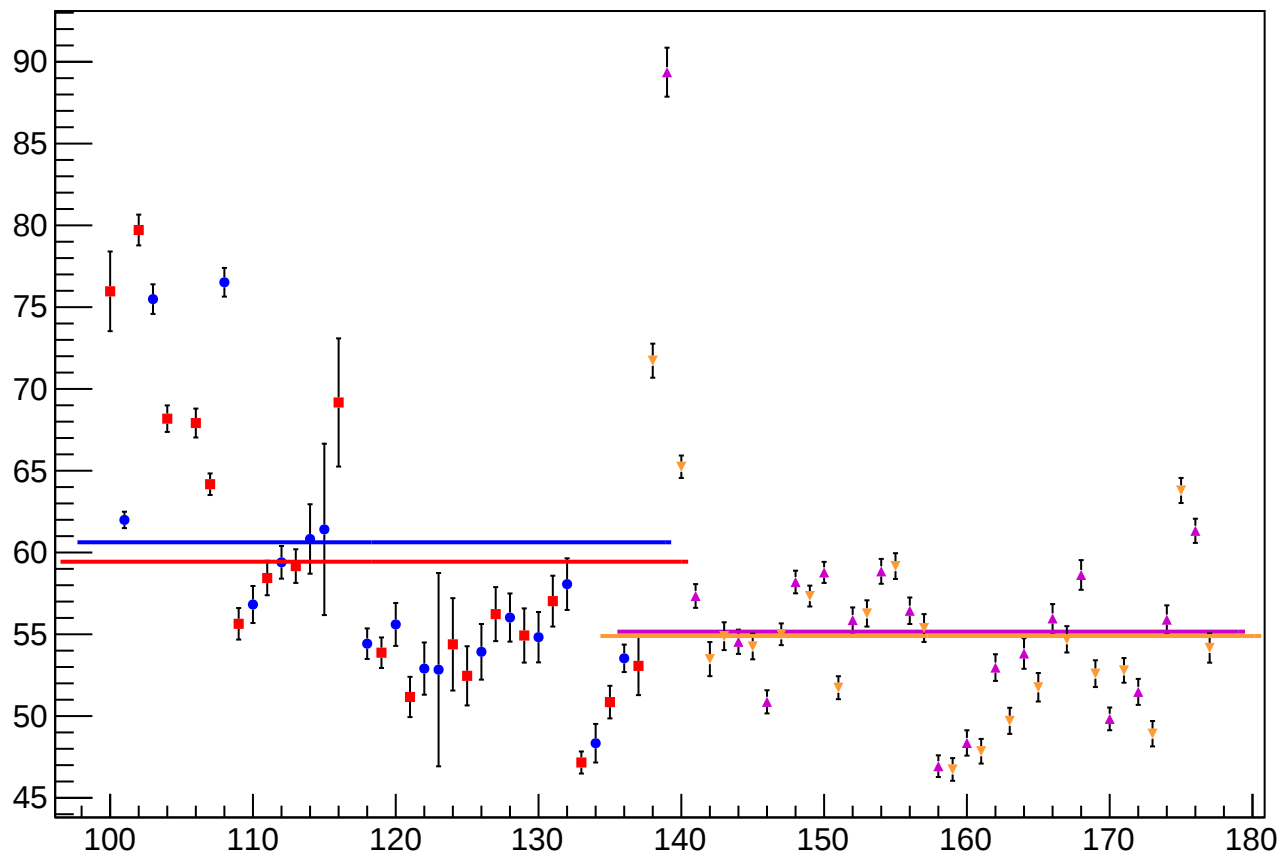
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.354+/-0.227 χ^2/NDF :1979.8/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.043+/-0.232 χ^2/NDF :1782.2/18

Left: -6.202+/-0.162 χ^2/NDF : 3763.0/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.043+/-0.232 χ^2/NDF :1782.2/18
 Out: -6.354+/-0.227 χ^2/NDF :1979.8/20
 All: -6.202+/-0.162 χ^2/NDF : 3763.0/39

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 ± 0.263 χ^2/NDF : 924.6/16

Left Out: 54.893 ± 0.171 χ^2/NDF : 1049.7/20

Right Out: 59.438 ± 0.248 χ^2/NDF : 1323.4/18

Left In: 55.162 ± 0.178 χ^2/NDF : 1051.7/18

Left: 55.021 ± 0.123 χ^2/NDF : 2102.5/39

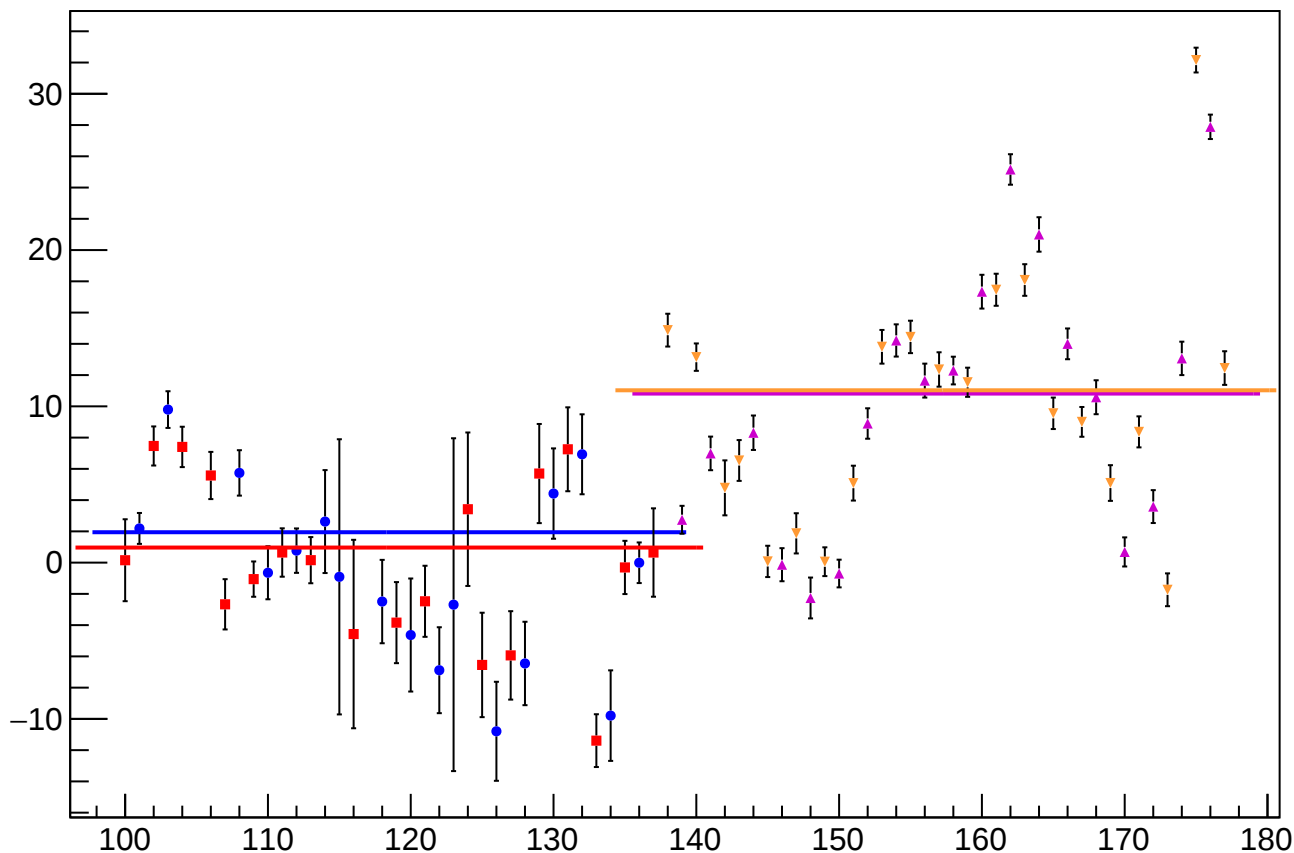
Right: 59.996 ± 0.180 χ^2/NDF : 2258.7/35

In: 56.880 ± 0.148 χ^2/NDF : 2271.9/35

Out: 56.354 ± 0.140 χ^2/NDF : 2601.3/39

All: 56.604 ± 0.102 χ^2/NDF : 4879.9/75

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: 11.027 ± 0.226 $\chi^2/\text{NDF}: 1391.0/20$

Right Out: 0.964 ± 0.424 $\chi^2/\text{NDF}: 149.5/18$

Left In: 10.817 ± 0.229 $\chi^2/\text{NDF}: 1490.0/18$

Left: 10.924 ± 0.161 $\chi^2/\text{NDF}: 2881.4/39$

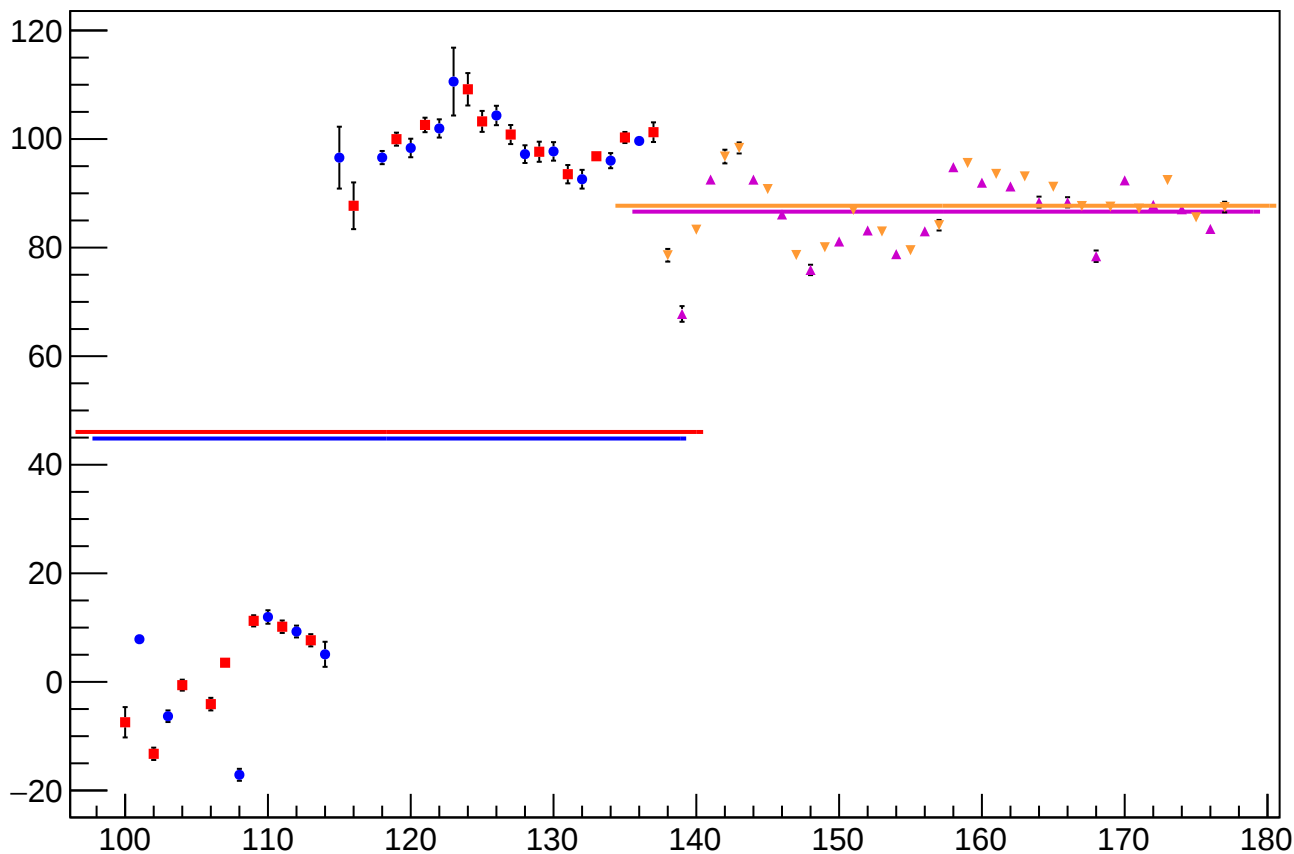
Right: 1.416 ± 0.312 $\chi^2/\text{NDF}: 272.6/35$

In: 9.042 ± 0.205 $\chi^2/\text{NDF}: 1909.7/35$

Out: 8.808 ± 0.199 $\chi^2/\text{NDF}: 1978.8/39$

All: 8.921 ± 0.143 $\chi^2/\text{NDF}: 3889.1/75$

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829 ± 0.305 $\chi^2/\text{NDF}: 24763.1/16$

Left Out: 87.713 ± 0.194 $\chi^2/\text{NDF}: 851.1/20$

Right Out: 46.040 ± 0.289 $\chi^2/\text{NDF}: 28263.4/18$

Left In: 86.621 ± 0.201 $\chi^2/\text{NDF}: 904.7/18$

Left: 87.187 ± 0.139 $\chi^2/\text{NDF}: 1771.1/39$

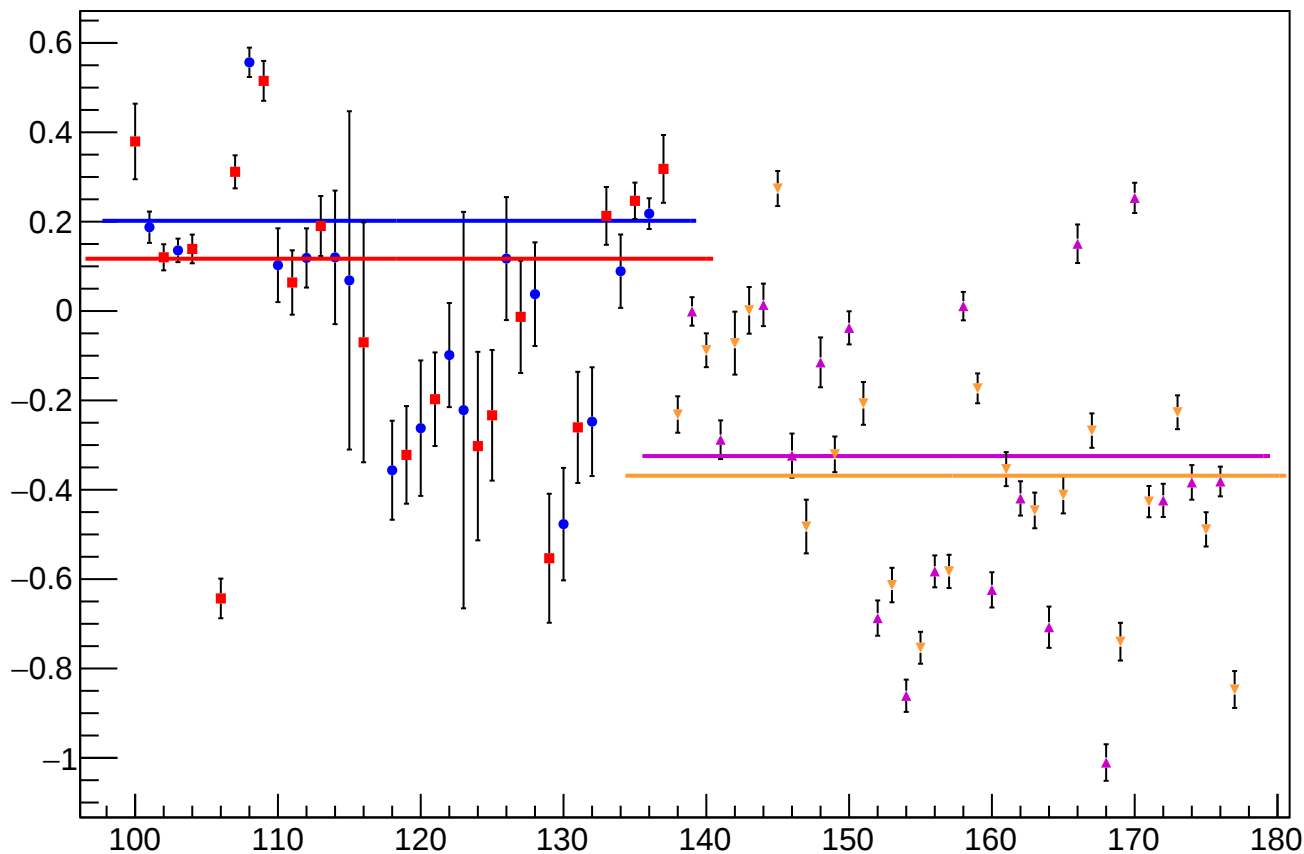
Right: 45.465 ± 0.210 $\chi^2/\text{NDF}: 53034.8/35$

In: 73.946 ± 0.168 $\chi^2/\text{NDF}: 38778.3/35$

Out: 74.824 ± 0.161 $\chi^2/\text{NDF}: 43429.3/39$

All: 74.403 ± 0.116 $\chi^2/\text{NDF}: 82221.8/75$

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: -0.369 ± 0.009 $\chi^2/\text{NDF}: 892.9/20$

Right Out: 0.117 ± 0.013 $\chi^2/\text{NDF}: 499.6/18$

Left In: -0.325 ± 0.009 $\chi^2/\text{NDF}: 1535.8/18$

Left: -0.347 ± 0.006 $\chi^2/\text{NDF}: 2441.0/39$

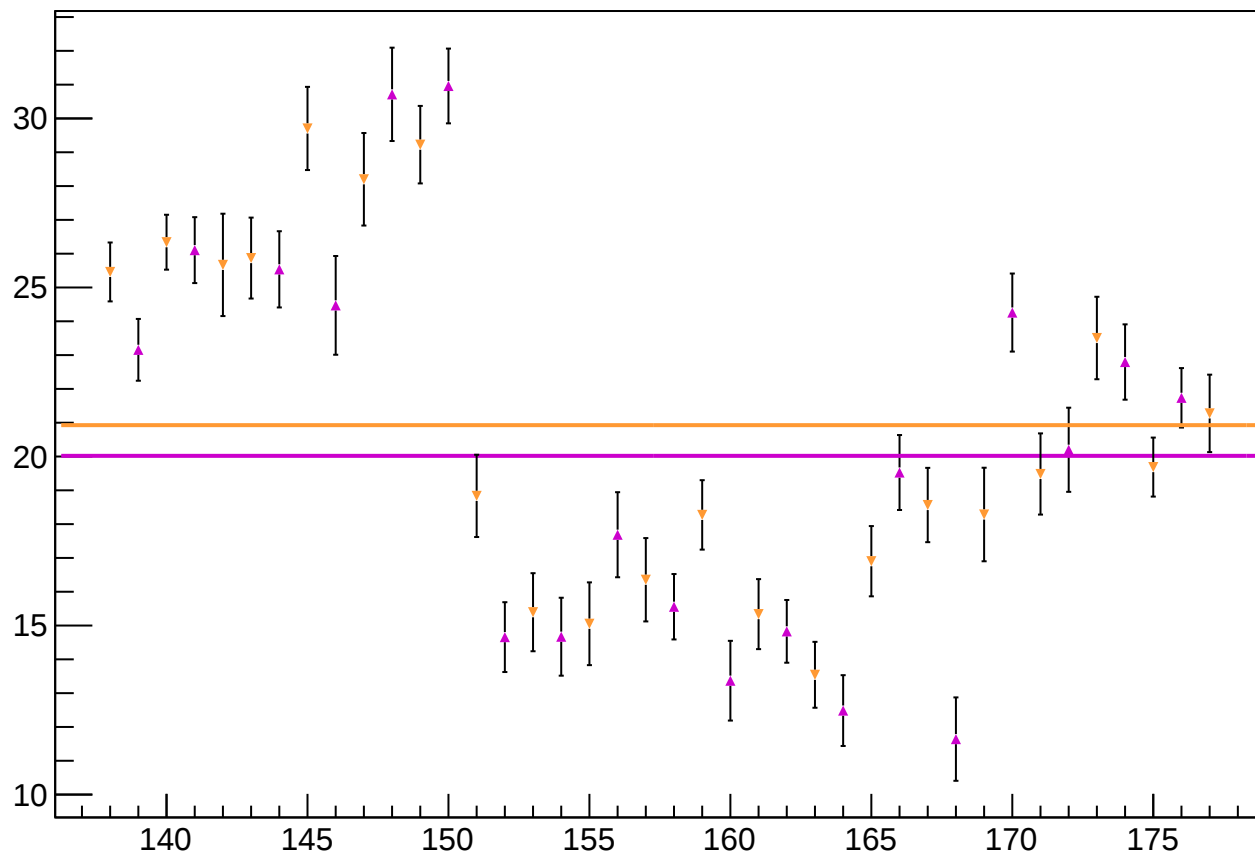
Right: 0.156 ± 0.010 $\chi^2/\text{NDF}: 735.2/35$

In: -0.174 ± 0.008 $\chi^2/\text{NDF}: 2755.2/35$

Out: -0.216 ± 0.007 $\chi^2/\text{NDF}: 2344.5/39$

All: -0.196 ± 0.005 $\chi^2/\text{NDF}: 5115.4/75$

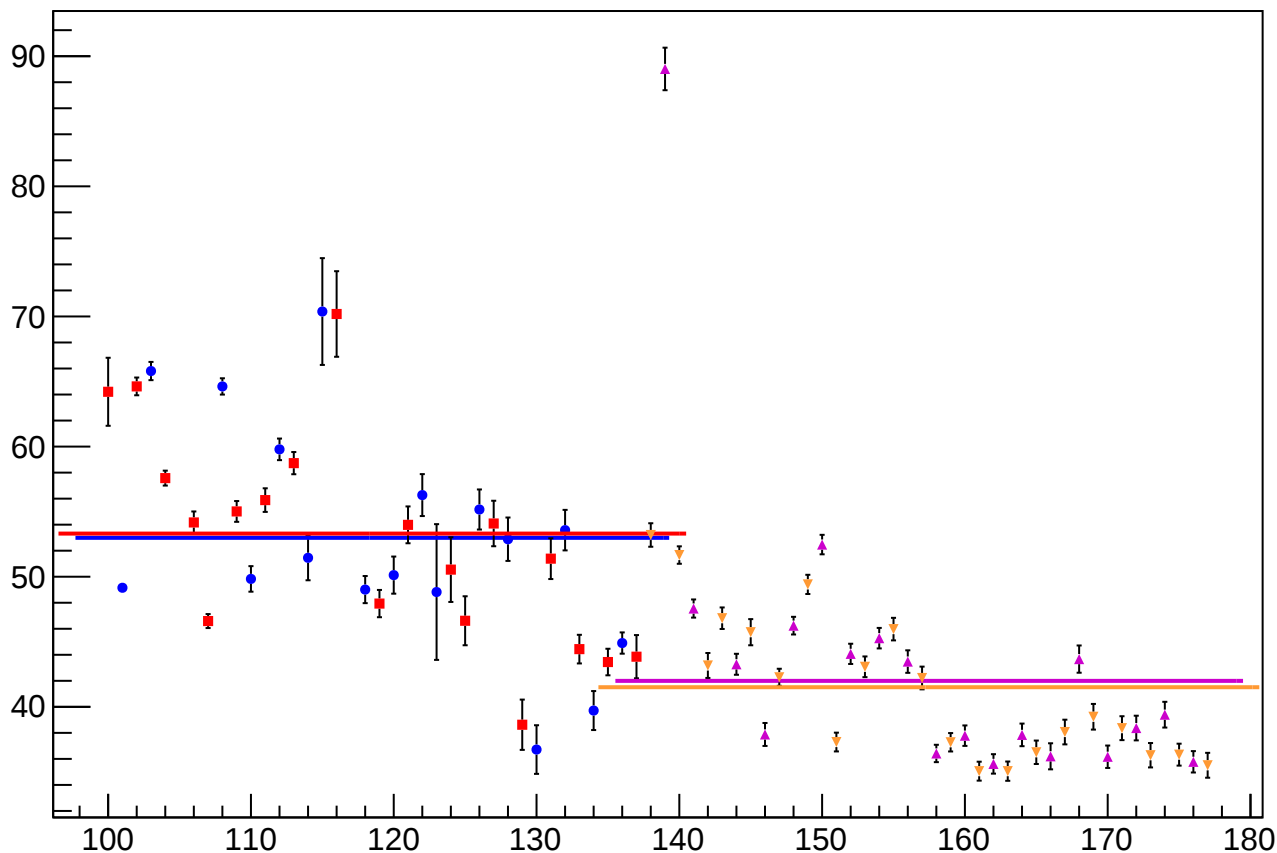
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 20.928 $\pm$ 0.240 χ^2 /NDF:417.1/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 20.020 $\pm$ 0.250 χ^2 /NDF:499.8/18

Left: 20.492 $\pm$ 0.173 χ^2 /NDF: 923.7/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 20.020 $\pm$ 0.250 χ^2 /NDF:499.8/18
 Out: 20.928 $\pm$ 0.240 χ^2 /NDF:417.1/20
 All: 20.492 $\pm$ 0.173 χ^2 /NDF: 923.7/39

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 ± 0.211 $\chi^2/\text{NDF}: 1198.0/16$

Left Out: 41.508 ± 0.179 $\chi^2/\text{NDF}: 999.9/20$

Right Out: 53.315 ± 0.227 $\chi^2/\text{NDF}: 875.6/18$

Left In: 41.997 ± 0.190 $\chi^2/\text{NDF}: 1532.9/18$

Left: 41.738 ± 0.130 $\chi^2/\text{NDF}: 2536.3/39$

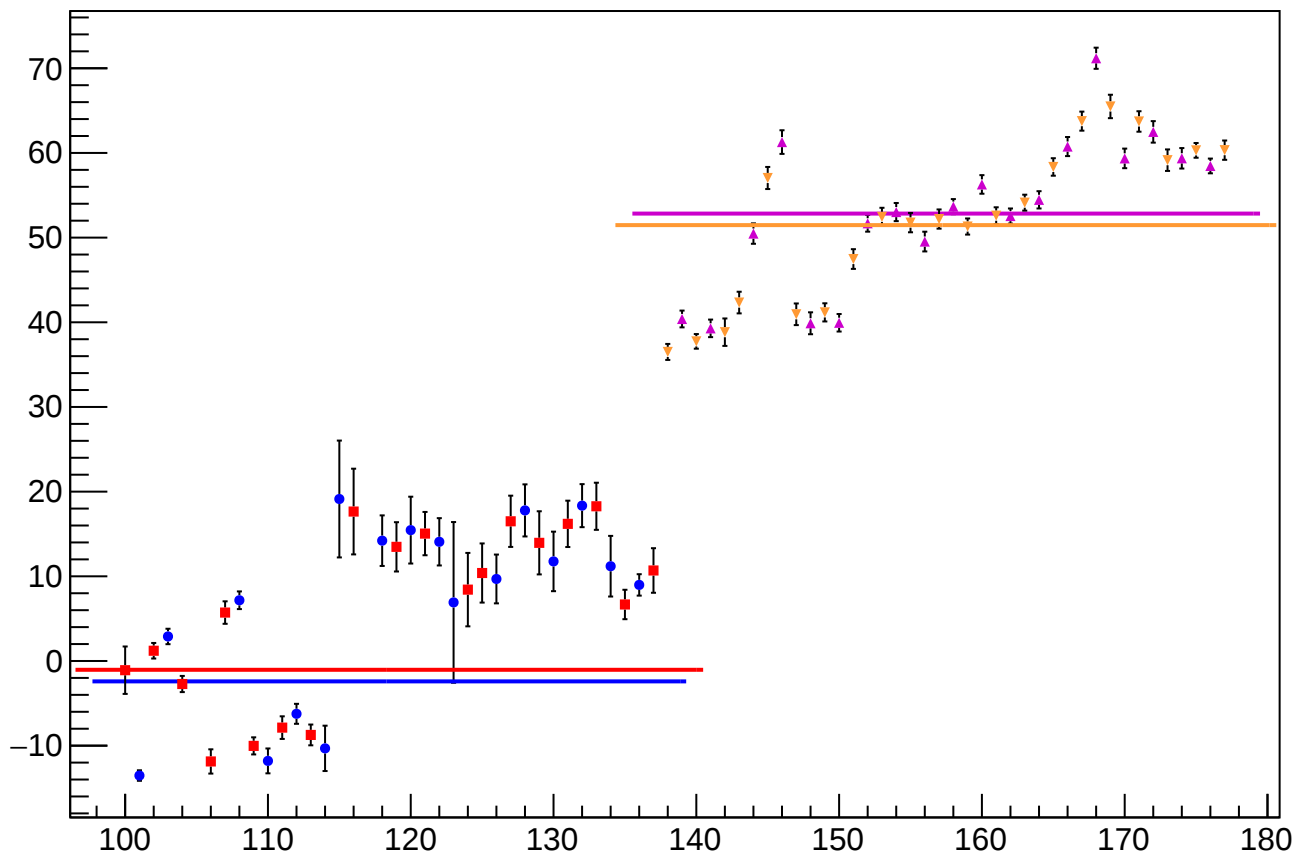
Right: 53.140 ± 0.154 $\chi^2/\text{NDF}: 2074.7/35$

In: 46.924 ± 0.141 $\chi^2/\text{NDF}: 4229.9/35$

Out: 46.042 ± 0.140 $\chi^2/\text{NDF}: 3545.9/39$

All: 46.481 ± 0.100 $\chi^2/\text{NDF}: 7795.5/75$

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 $\chi^2/\text{NDF}: 834.6/16$

Left Out: 51.476 ± 0.239 $\chi^2/\text{NDF}: 1384.3/20$

Right Out: -1.040 ± 0.377 $\chi^2/\text{NDF}: 507.5/18$

Left In: 52.838 ± 0.247 $\chi^2/\text{NDF}: 1073.1/18$

Left: 52.134 ± 0.172 $\chi^2/\text{NDF}: 2473.1/39$

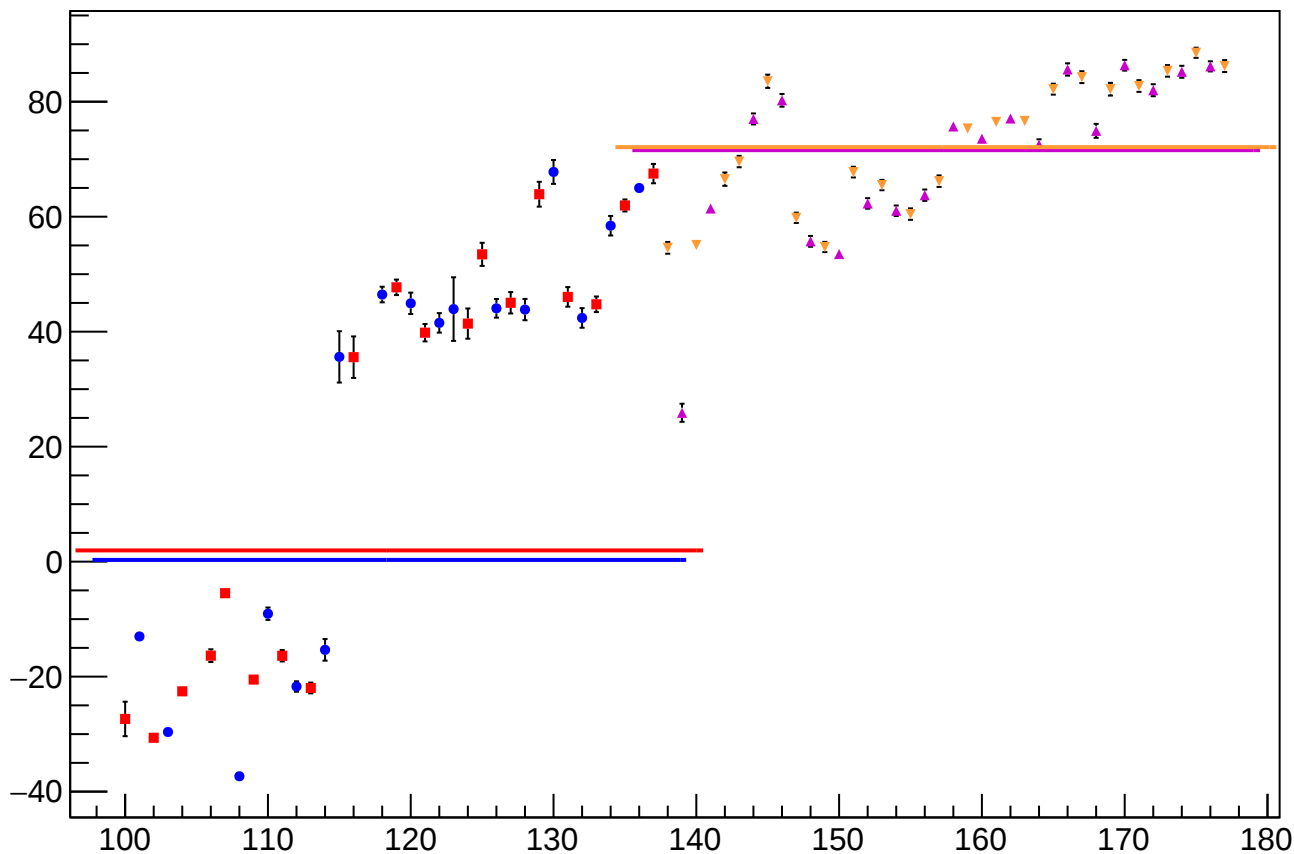
Right: -1.748 ± 0.262 $\chi^2/\text{NDF}: 1349.0/35$

In: 35.454 ± 0.204 $\chi^2/\text{NDF}: 17667.8/35$

Out: 36.463 ± 0.202 $\chi^2/\text{NDF}: 15744.8/39$

All: 35.966 ± 0.144 $\chi^2/\text{NDF}: 33424.9/75$

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 72.095 ± 0.204 χ^2/NDF : 2908.6/20

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

Left In: 71.574 ± 0.215 χ^2/NDF : 3165.4/18

Left: 71.848 ± 0.148 χ^2/NDF : 6077.1/39

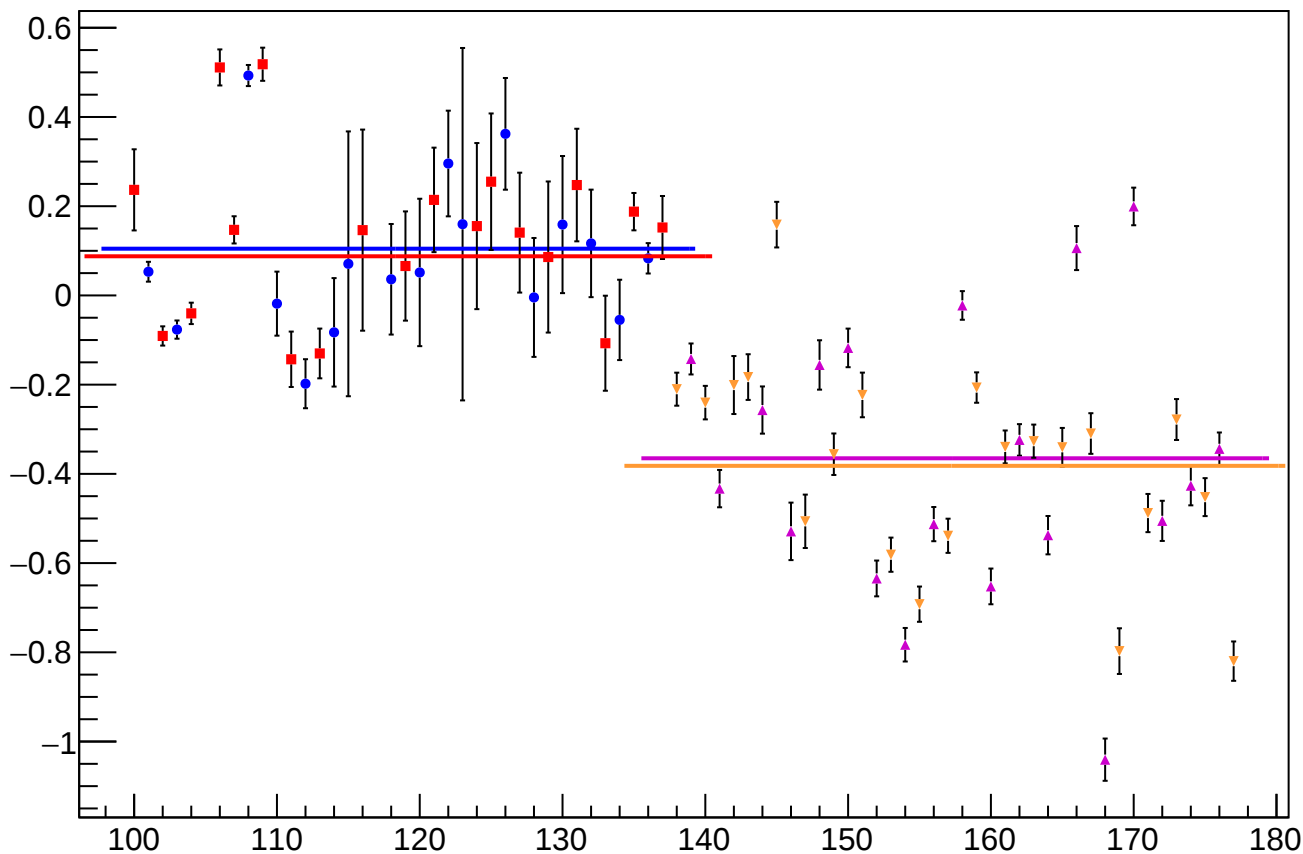
Right: 1.065 ± 0.181 χ^2/NDF : 33730.4/35

In: 40.937 ± 0.162 χ^2/NDF : 68739.1/35

Out: 46.189 ± 0.162 χ^2/NDF : 62005.4/39

All: 43.566 ± 0.115 χ^2/NDF : 131269.2/75

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: -0.382 ± 0.009 $\chi^2/\text{NDF}: 502.4/20$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

Left In: -0.365 ± 0.010 $\chi^2/\text{NDF}: 953.8/18$

Left: -0.374 ± 0.007 $\chi^2/\text{NDF}: 1457.8/39$

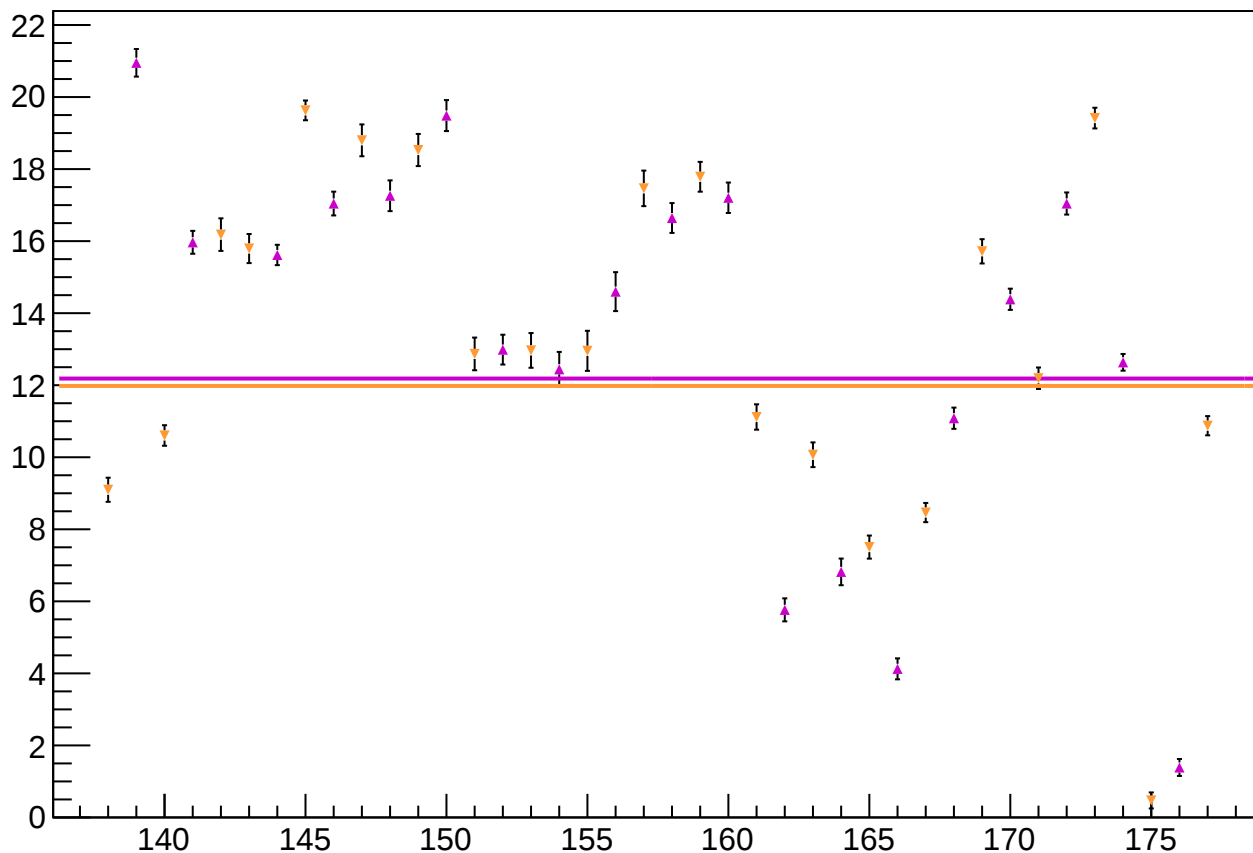
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.164 ± 0.007 $\chi^2/\text{NDF}: 2391.2/35$

Out: -0.185 ± 0.007 $\chi^2/\text{NDF}: 1948.7/39$

All: -0.175 ± 0.005 $\chi^2/\text{NDF}: 4344.0/75$

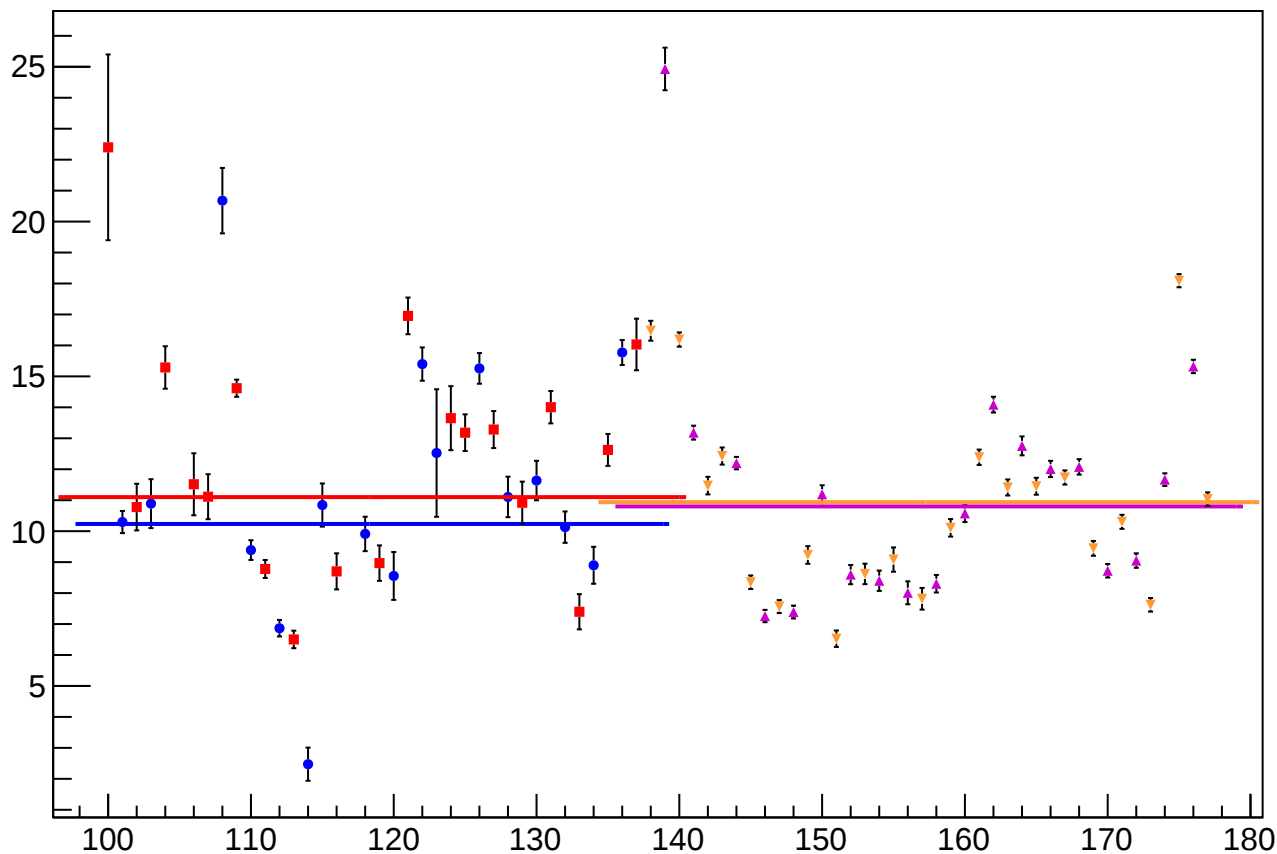
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 11.980 $\pm$ 0.074 χ^2 /NDF:5729.1/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 12.185 $\pm$ 0.076 χ^2 /NDF:5553.3/18

Left: 12.079 $\pm$ 0.053 χ^2 /NDF: 11286.2/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 12.185 $\pm$ 0.076 χ^2 /NDF:5553.3/18
 Out: 11.980 $\pm$ 0.074 χ^2 /NDF:5729.1/20
 All: 12.079 $\pm$ 0.053 χ^2 /NDF: 11286.2/39

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 10.937 $\pm$ 0.056 χ^2 /NDF:3170.4/20

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

Left In: 10.799 $\pm$ 0.058 χ^2 /NDF:2267.0/18

Left: 10.870 $\pm$ 0.040 χ^2 /NDF: 5440.4/39

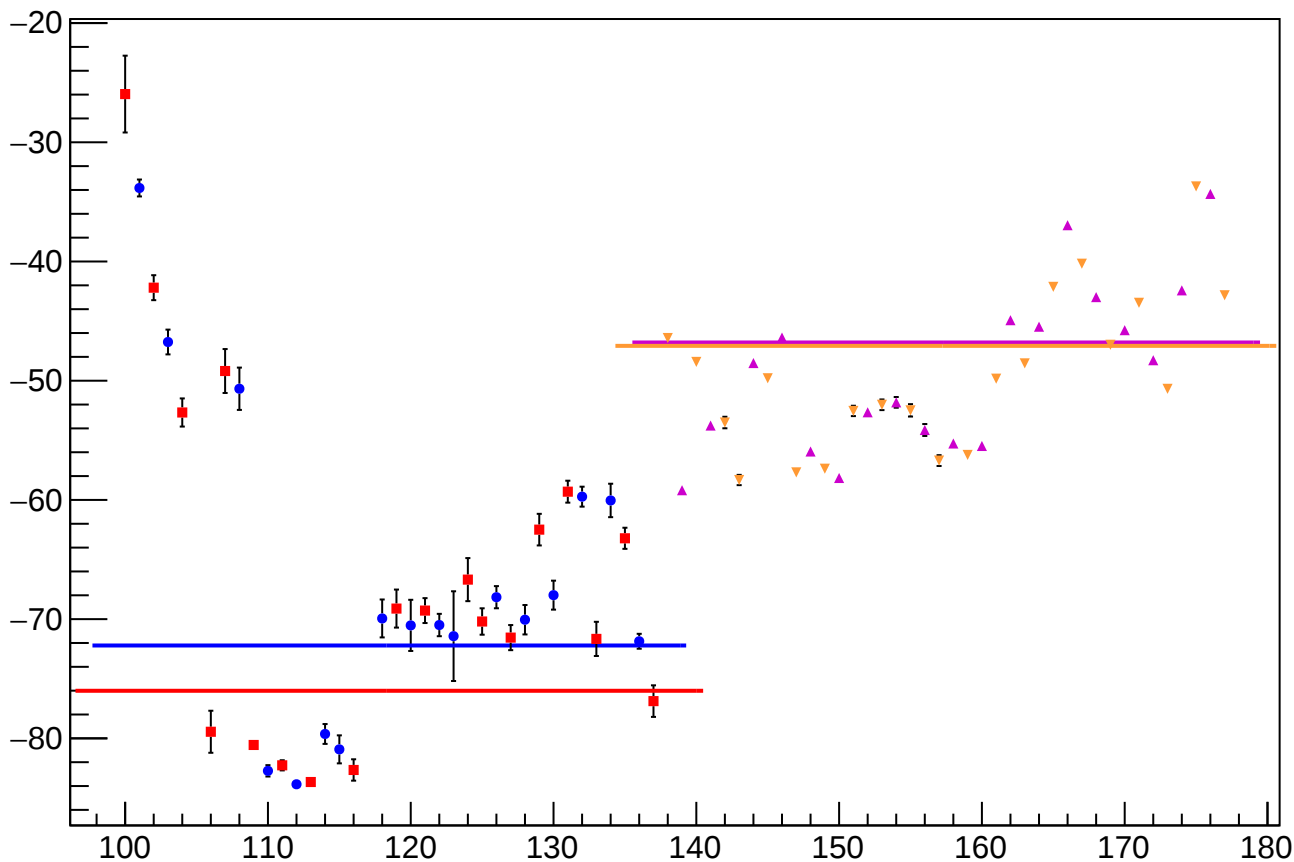
Right: 10.677 $\pm$ 0.083 χ^2 /NDF: 1721.6/35

In: 10.692 $\pm$ 0.052 χ^2 /NDF:3162.0/35

Out: 10.967 $\pm$ 0.050 χ^2 /NDF:3989.8/39

All: 10.834 $\pm$ 0.036 χ^2 /NDF: 7166.4/75

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -47.076 ± 0.074 $\chi^2/\text{NDF}: 8747.7/20$

Right Out: -76.009 ± 0.181 $\chi^2/\text{NDF}: 3463.3/18$

Left In: -46.793 ± 0.076 $\chi^2/\text{NDF}: 8725.2/18$

Left: -46.939 ± 0.053 $\chi^2/\text{NDF}: 17480.1/39$

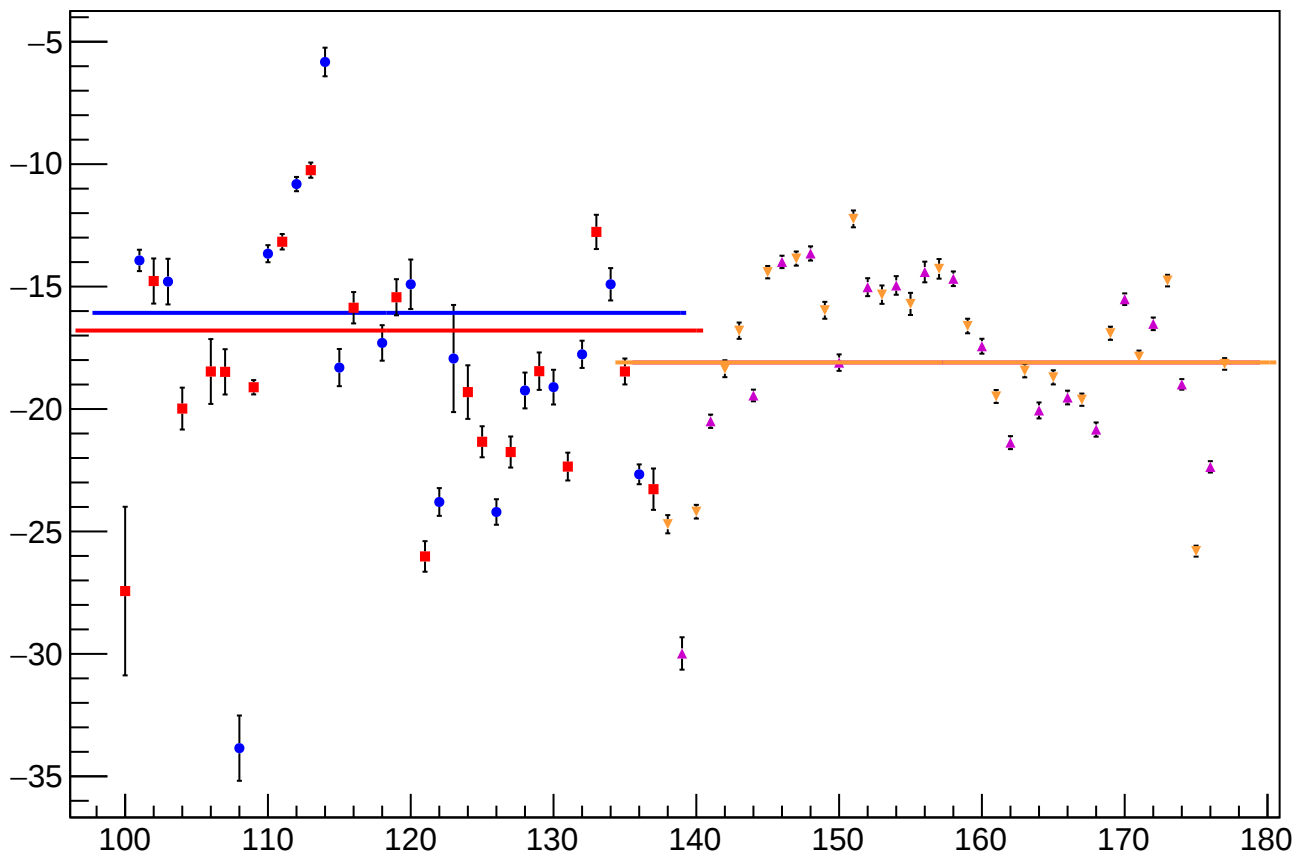
Right: -74.280 ± 0.134 $\chi^2/\text{NDF}: 9230.0/35$

In: -50.055 ± 0.071 $\chi^2/\text{NDF}: 28657.5/35$

Out: -51.203 ± 0.068 $\chi^2/\text{NDF}: 34122.3/39$

All: -50.650 ± 0.049 $\chi^2/\text{NDF}: 62915.5/75$

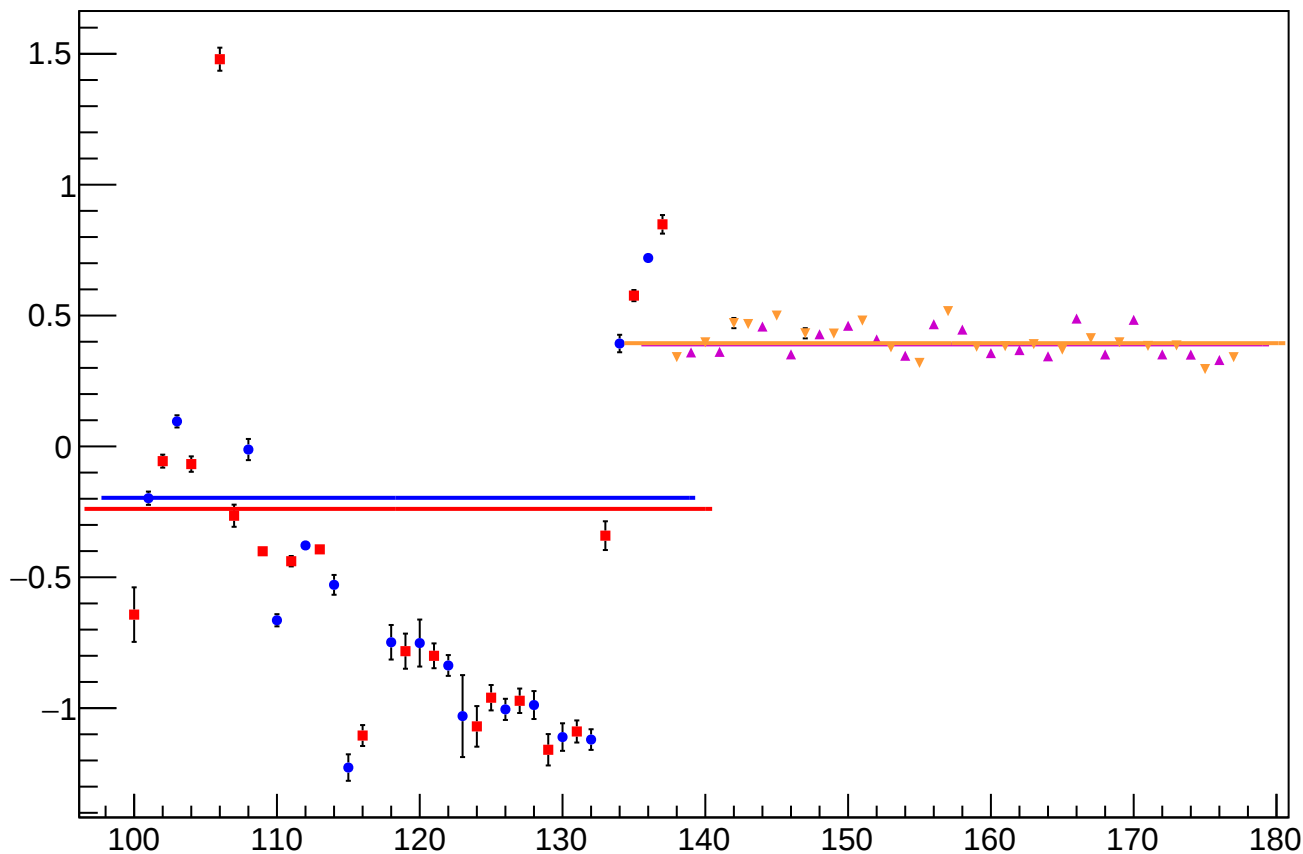
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$
 Left Out: -18.097 ± 0.063 $\chi^2/\text{NDF}: 3237.3/20$
 Right Out: -16.795 ± 0.128 $\chi^2/\text{NDF}: 1216.0/18$
 Left In: -18.099 ± 0.066 $\chi^2/\text{NDF}: 2094.4/18$

Left: -18.098 ± 0.045 $\chi^2/\text{NDF}: 5331.7/39$
 Right: -16.446 ± 0.092 $\chi^2/\text{NDF}: 2871.9/35$
 In: -17.700 ± 0.059 $\chi^2/\text{NDF}: 3922.7/35$
 Out: -17.844 ± 0.057 $\chi^2/\text{NDF}: 4536.5/39$
 All: -17.775 ± 0.041 $\chi^2/\text{NDF}: 8462.3/75$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.394 ± 0.003 χ^2/NDF : 367.2/20

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.390 ± 0.003 χ^2/NDF : 342.3/18

Left: 0.392 ± 0.002 χ^2/NDF : 710.8/39

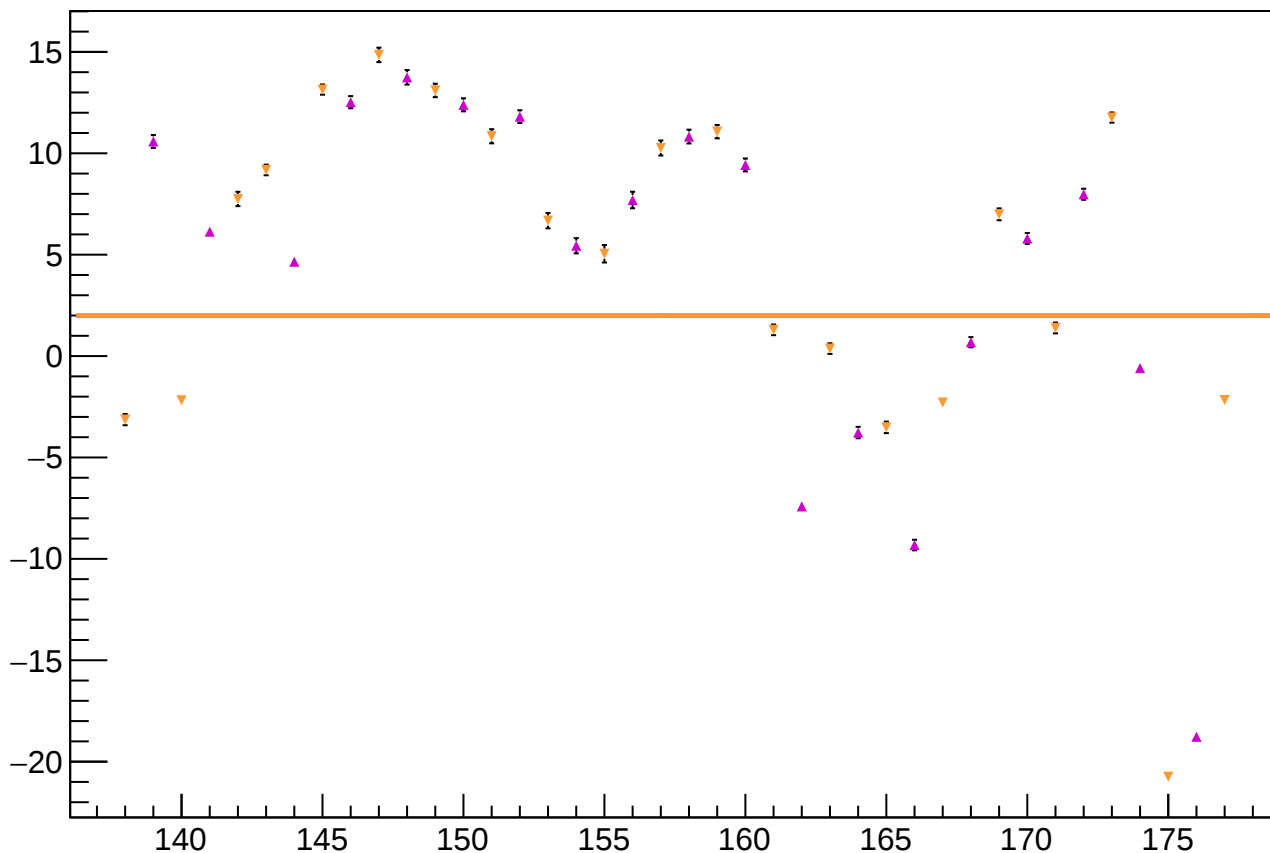
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.311 ± 0.003 χ^2/NDF : 11888.1/35

Out: 0.305 ± 0.003 χ^2/NDF : 13233.0/39

All: 0.308 ± 0.002 χ^2/NDF : 25123.4/75

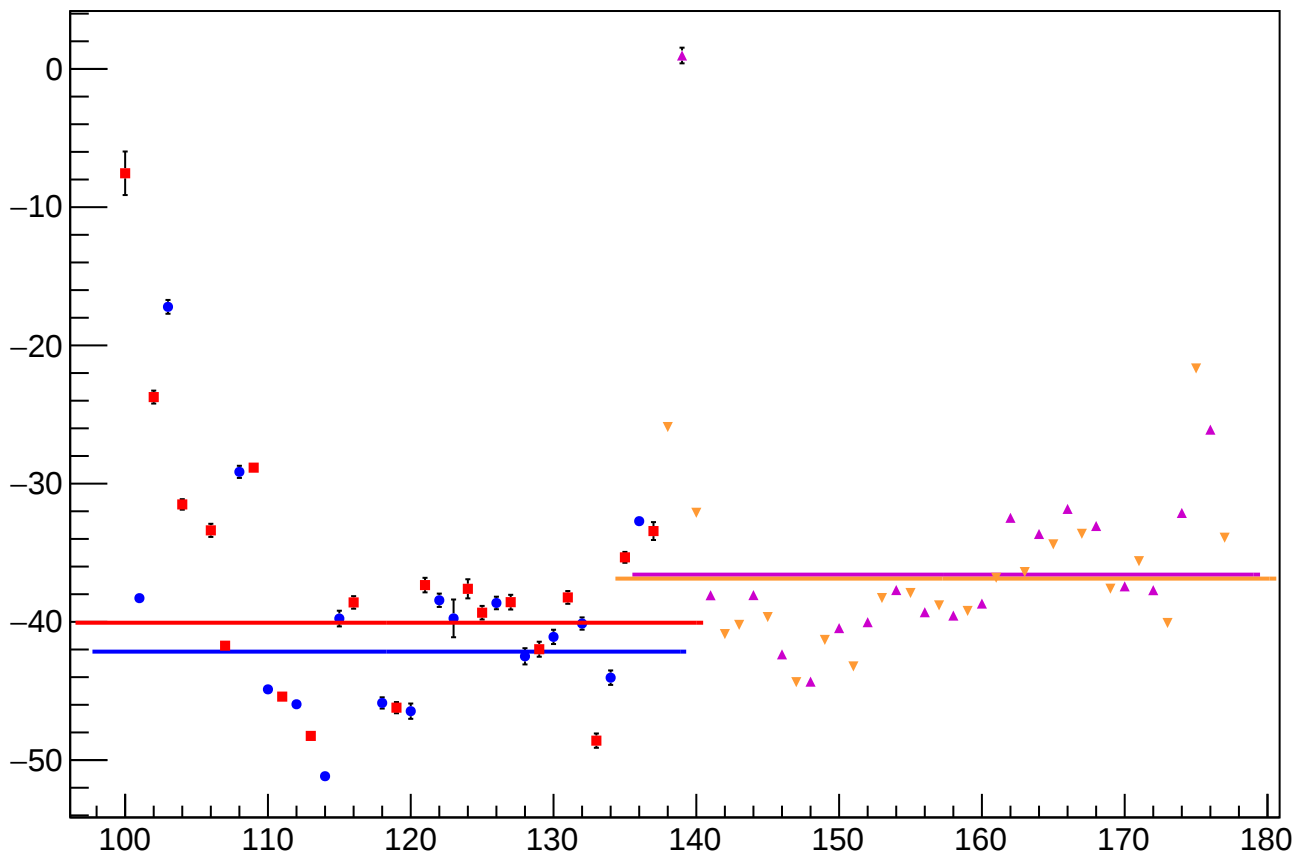
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.016+/-0.061 χ^2/NDF :24267.0/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.999+/-0.064 χ^2/NDF :21227.5/18

Left: 2.007+/-0.044 χ^2/NDF : 45494.6/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.999+/-0.064 χ^2/NDF :21227.5/18
 Out: 2.016+/-0.061 χ^2/NDF :24267.0/20
 All: 2.007+/-0.044 χ^2/NDF : 45494.6/39

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: -36.871 ± 0.046 $\chi^2/\text{NDF}: 14098.5/20$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

Left In: -36.584 ± 0.048 $\chi^2/\text{NDF}: 13168.2/18$

Left: -36.736 ± 0.033 $\chi^2/\text{NDF}: 27285.5/39$

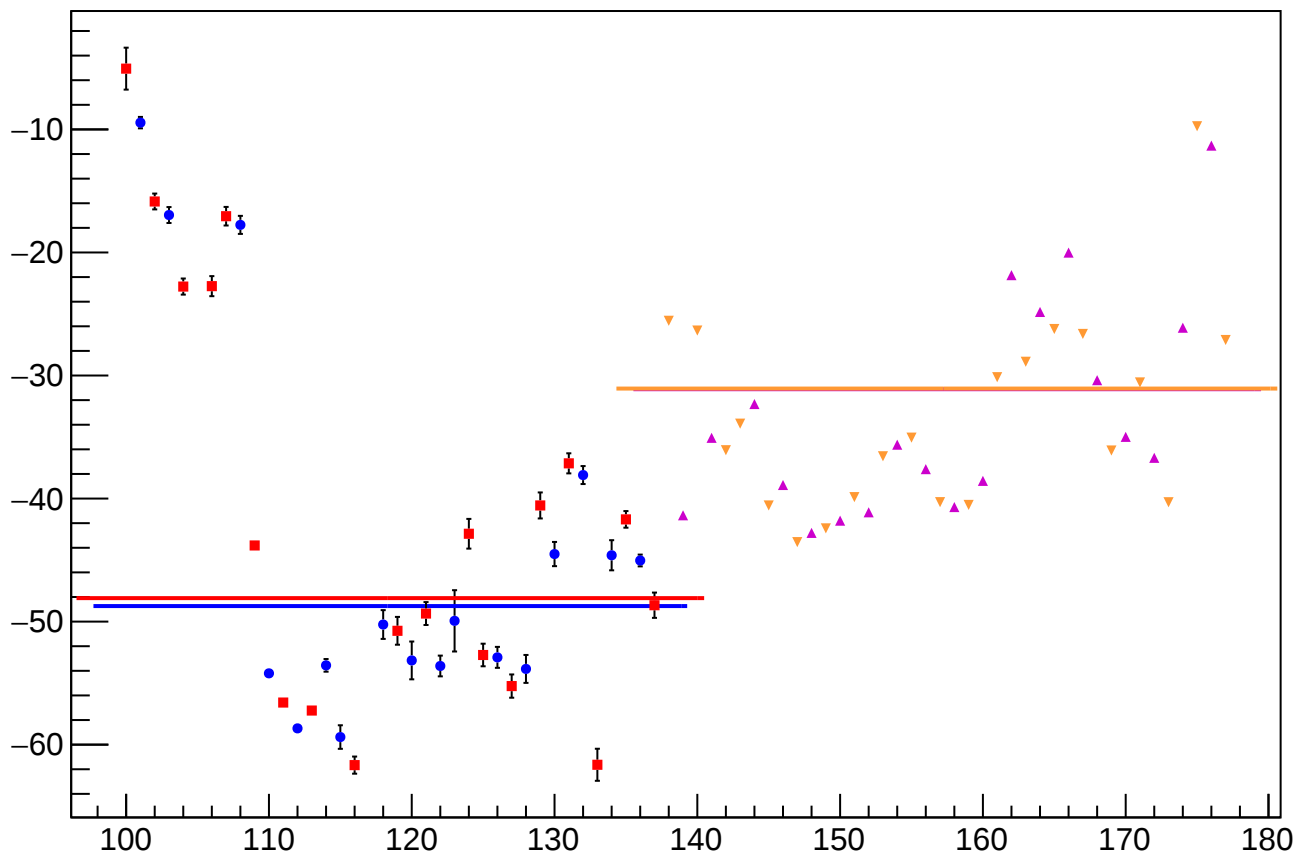
Right: -41.035 ± 0.053 $\chi^2/\text{NDF}: 18264.1/35$

In: -38.127 ± 0.041 $\chi^2/\text{NDF}: 23410.0/35$

Out: -37.769 ± 0.039 $\chi^2/\text{NDF}: 26802.4/39$

All: -37.937 ± 0.028 $\chi^2/\text{NDF}: 50252.7/75$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -31.061 ± 0.061 $\chi^2/\text{NDF}: 21824.3/20$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

Left In: -31.113 ± 0.063 $\chi^2/\text{NDF}: 21321.0/18$

Left: -31.086 ± 0.044 $\chi^2/\text{NDF}: 43145.7/39$

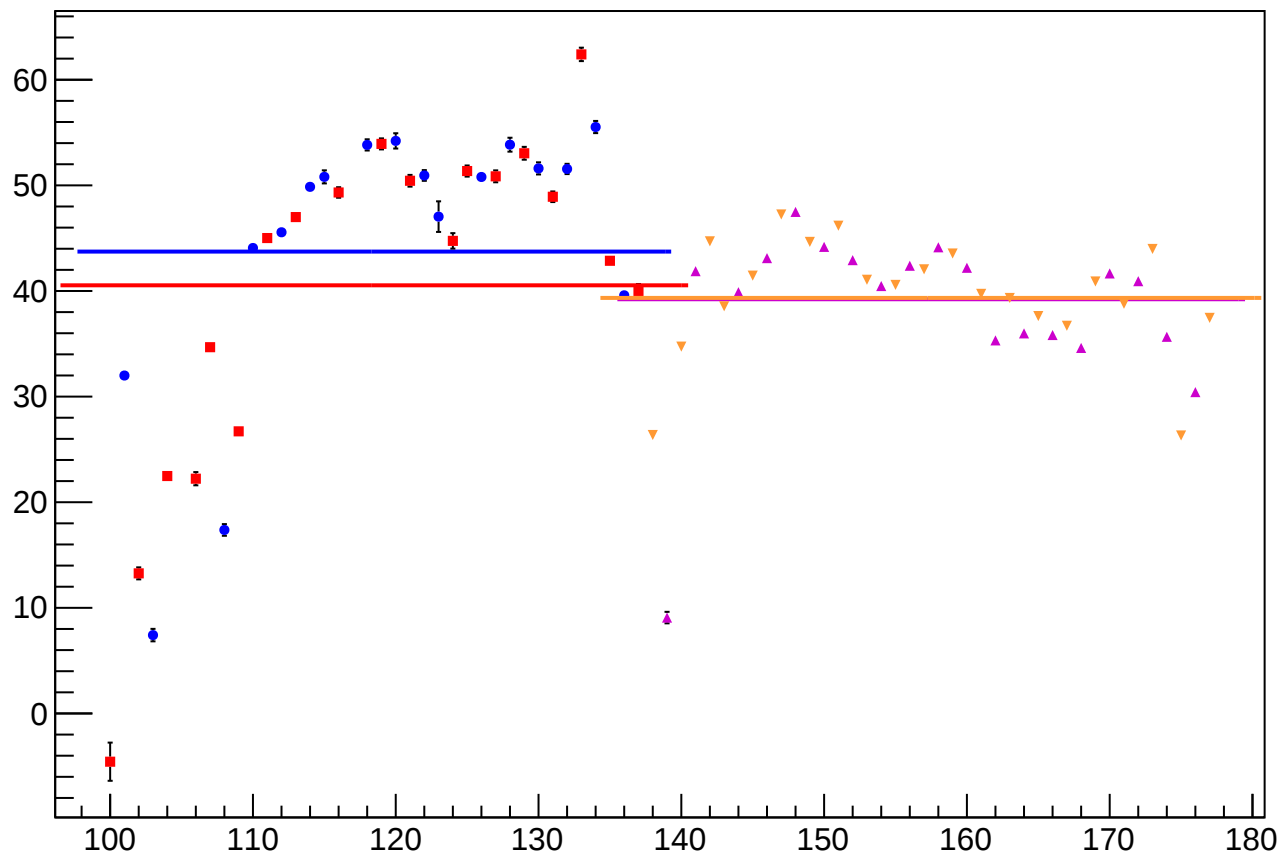
Right: -48.367 ± 0.081 $\chi^2/\text{NDF}: 26406.8/35$

In: -34.742 ± 0.057 $\chi^2/\text{NDF}: 51875.1/35$

Out: -35.224 ± 0.053 $\chi^2/\text{NDF}: 52615.4/39$

All: -34.998 ± 0.039 $\chi^2/\text{NDF}: 104529.1/75$

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: 39.344 $\pm$ 0.052 χ^2 /NDF:10450.0/20

Right Out: 40.537 $\pm$ 0.080 χ^2 /NDF: 17601.3/18

Left In: 39.218 $\pm$ 0.055 χ^2 /NDF:9245.3/18

Left: 39.284 $\pm$ 0.038 χ^2 /NDF: 19698.1/39

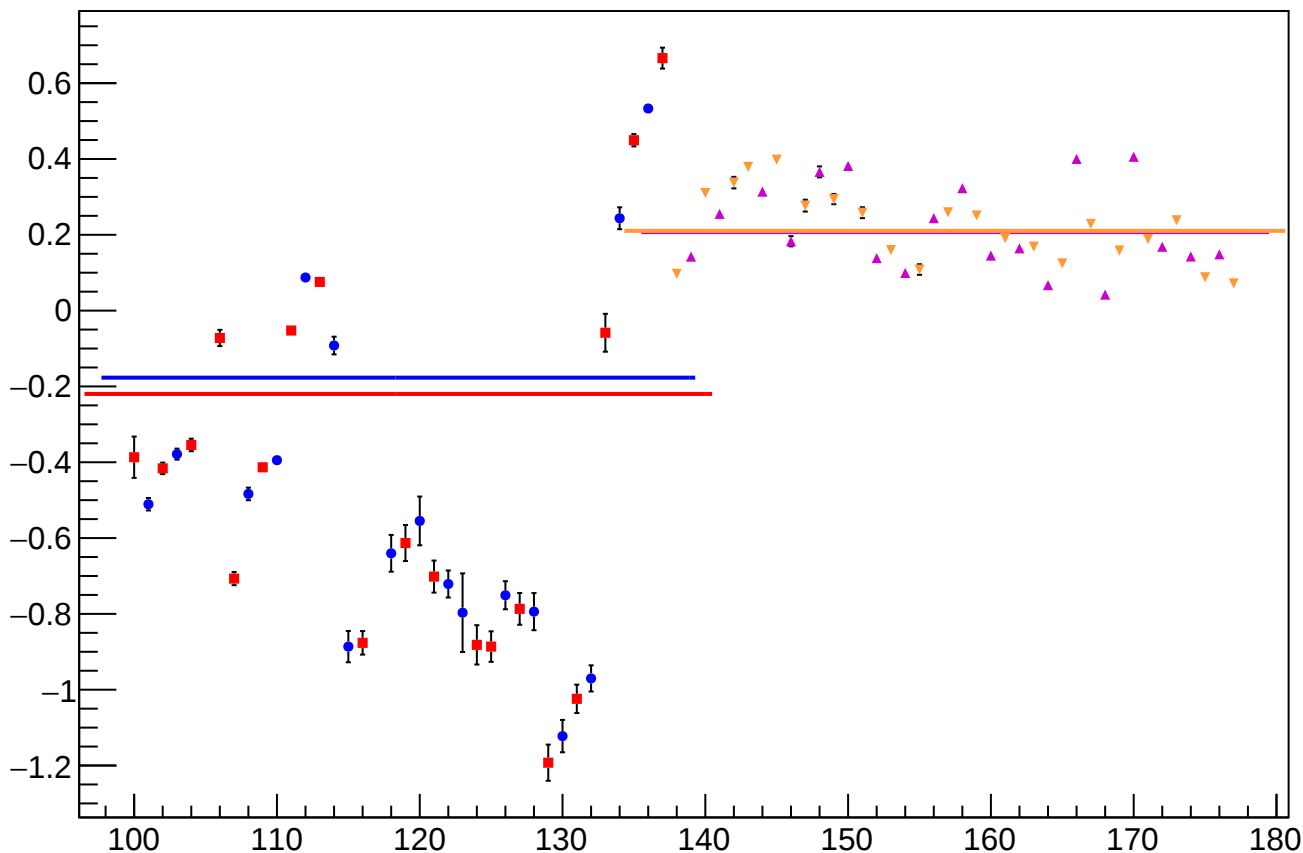
Right: 42.007 $\pm$ 0.059 χ^2 /NDF: 28898.9/35

In: 40.502 $\pm$ 0.046 χ^2 /NDF:21745.0/35

Out: 39.696 $\pm$ 0.044 χ^2 /NDF:28207.5/39

All: 40.074 $\pm$ 0.032 χ^2 /NDF: 50113.4/75

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.210 ± 0.002 χ^2/NDF : 1494.0/20

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

Left In: 0.207 ± 0.002 χ^2/NDF : 1970.9/18

Left: 0.209 ± 0.002 χ^2/NDF : 3465.8/39

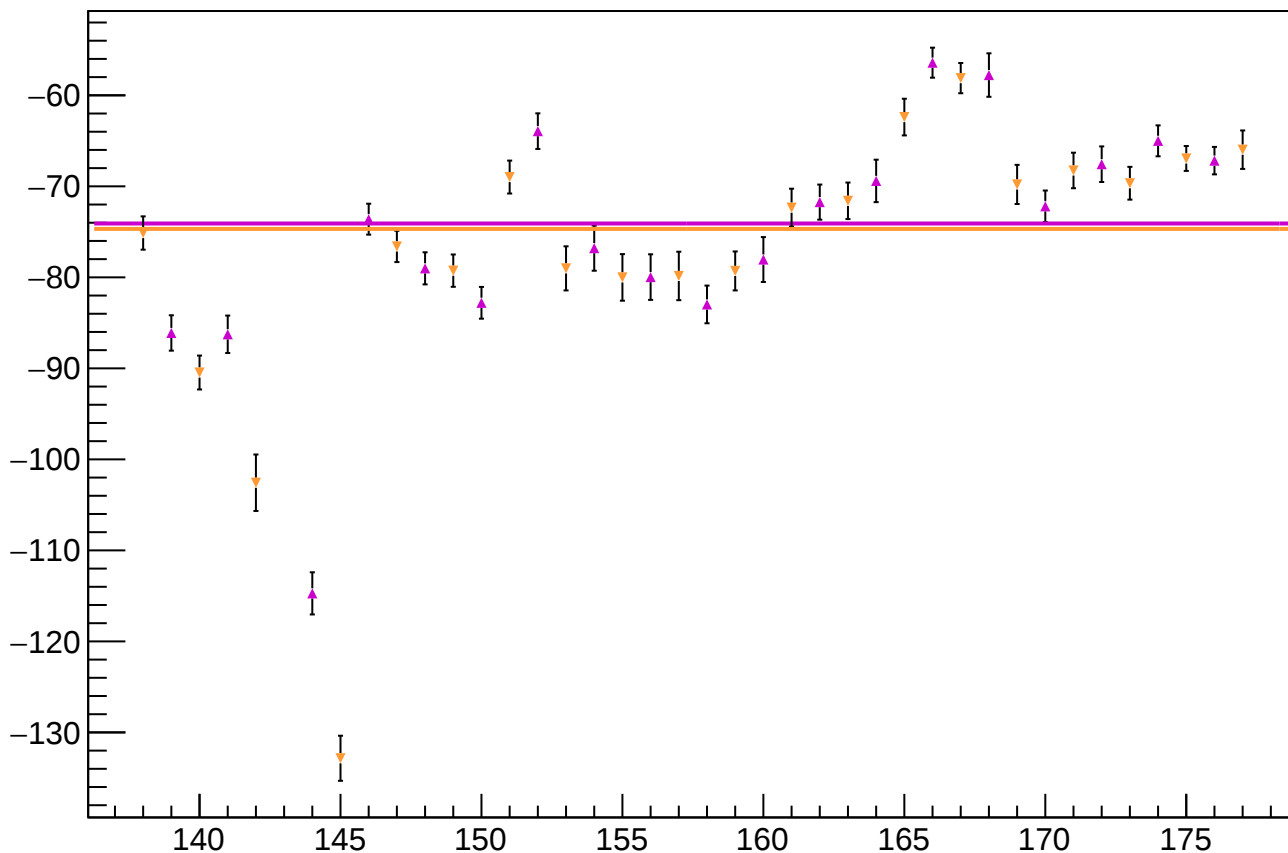
Right: -0.201 ± 0.003 χ^2/NDF : 14839.1/35

In: 0.127 ± 0.002 χ^2/NDF : 14317.0/35

Out: 0.108 ± 0.002 χ^2/NDF : 16540.9/39

All: 0.117 ± 0.002 χ^2/NDF : 30897.3/75

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -74.679+/-0.441 χ^2/NDF : 951.4/19

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

Left In: -74.084+/-0.445 χ^2/NDF : 696.8/18

Left: -74.384+/-0.314 χ^2/NDF : 1649.1/38

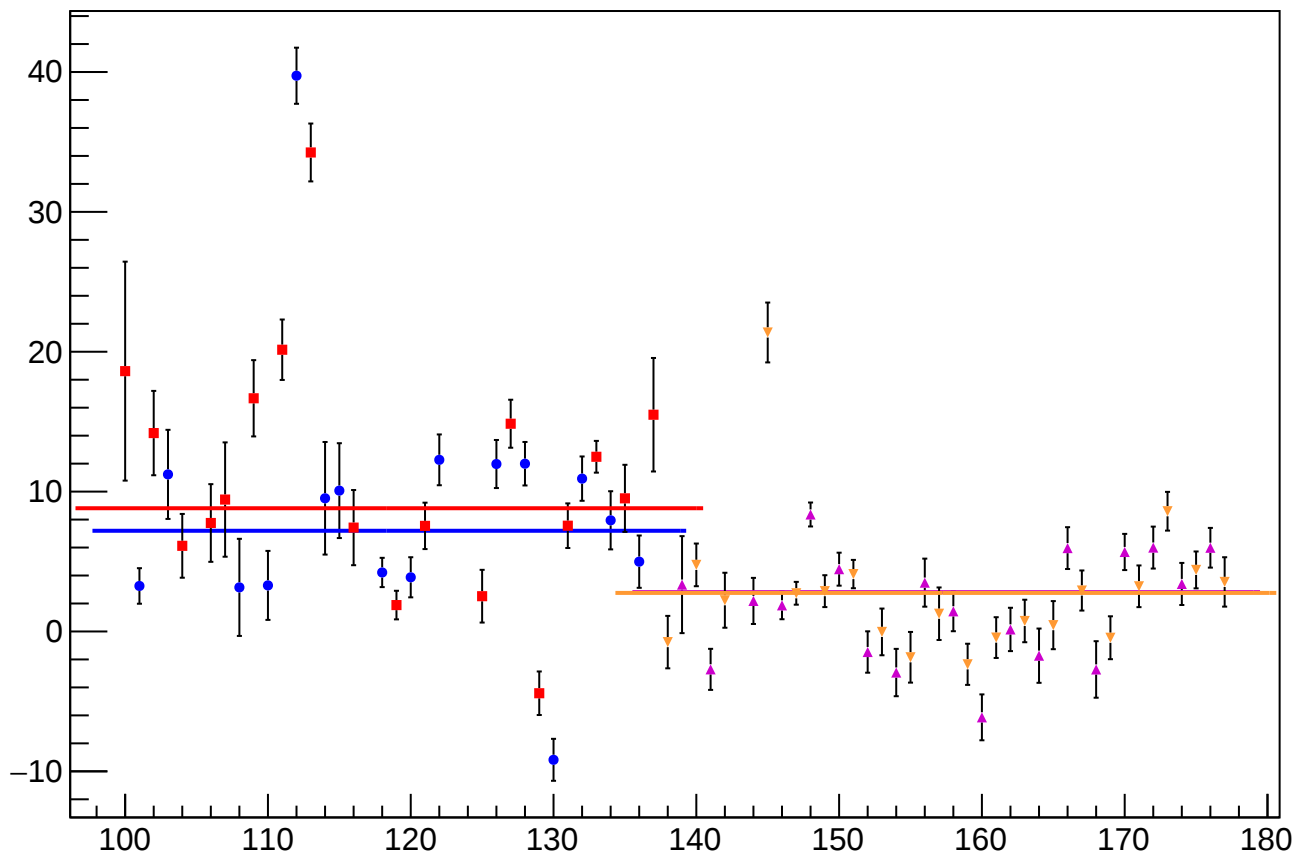
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.084+/-0.445 χ^2/NDF : 696.8/18

Out: -74.679+/-0.441 χ^2/NDF : 951.4/19

All: -74.384+/-0.314 χ^2/NDF : 1649.1/38

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: 2.784 ± 0.228 χ^2/NDF : 282.0/38

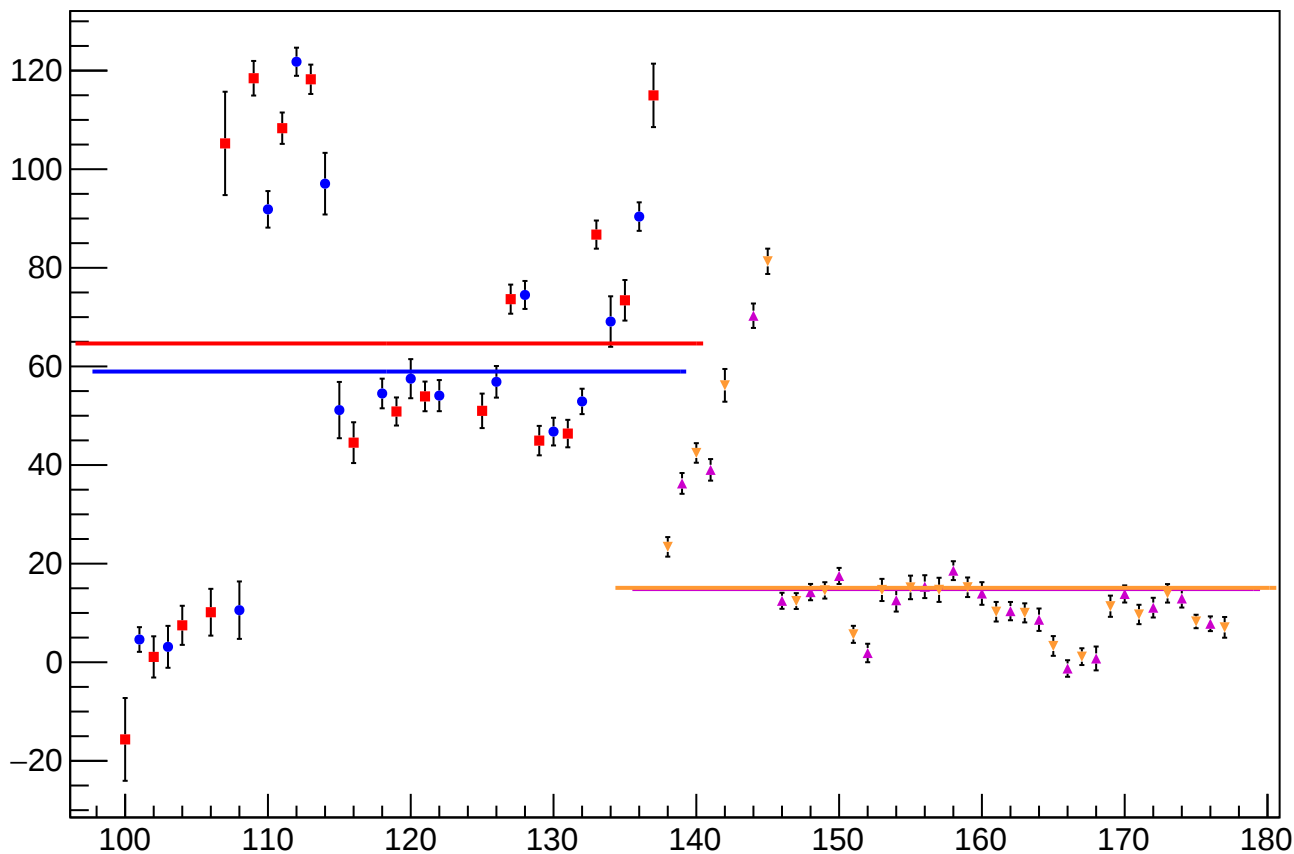
Right: 7.990 ± 0.314 χ^2/NDF : 800.1/33

In: 4.373 ± 0.262 χ^2/NDF : 652.9/34

Out: 4.788 ± 0.259 χ^2/NDF : 608.2/37

All: 4.583 ± 0.184 χ^2/NDF : 1262.3/72

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: 15.089 $\pm$ 0.436 χ^2 /NDF:1223.3/19

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

Left In: 14.843 $\pm$ 0.440 χ^2 /NDF:949.8/18

Left: 14.967 $\pm$ 0.309 χ^2 /NDF: 2173.2/38

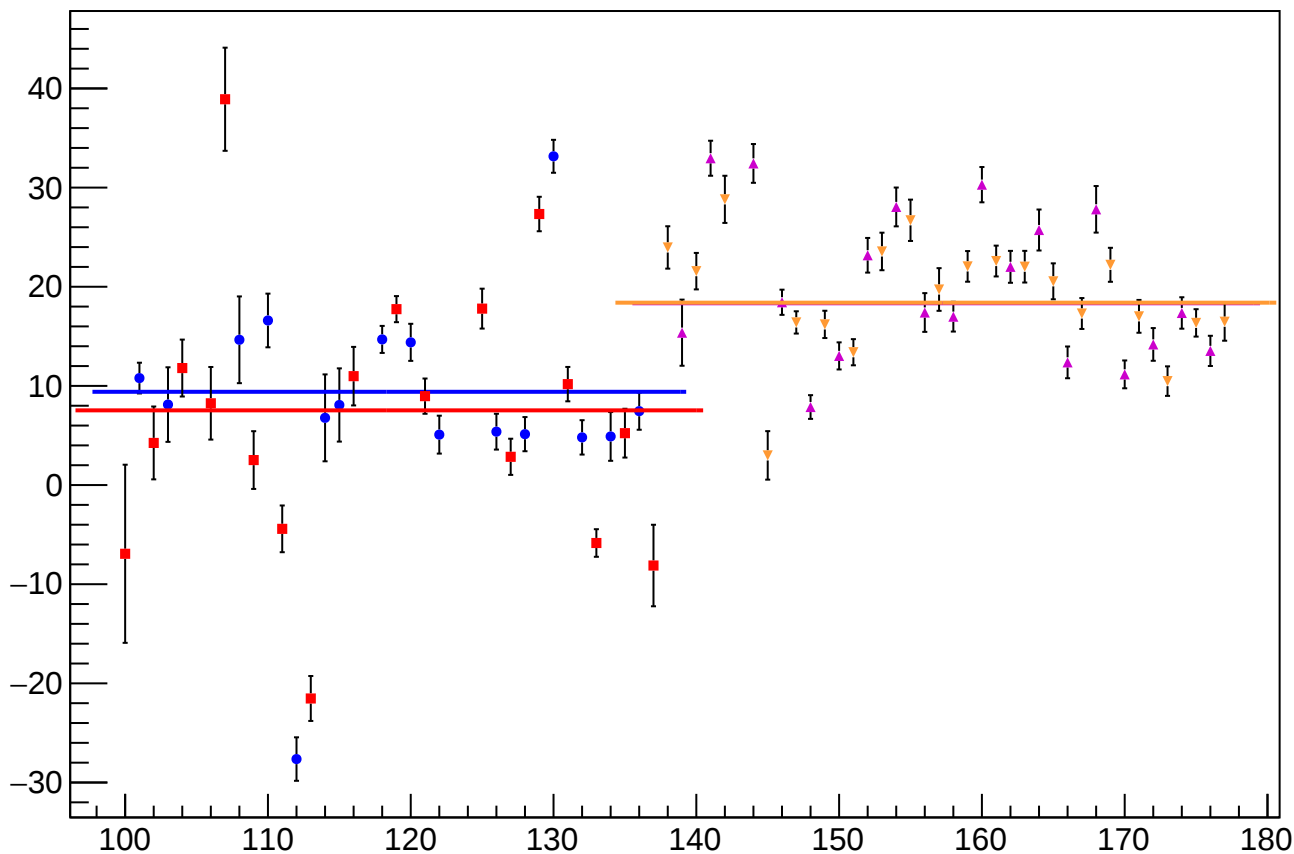
Right: 61.798 $\pm$ 0.593 χ^2 /NDF: 3241.4/33

In: 24.385 $\pm$ 0.389 χ^2 /NDF:4624.0/34

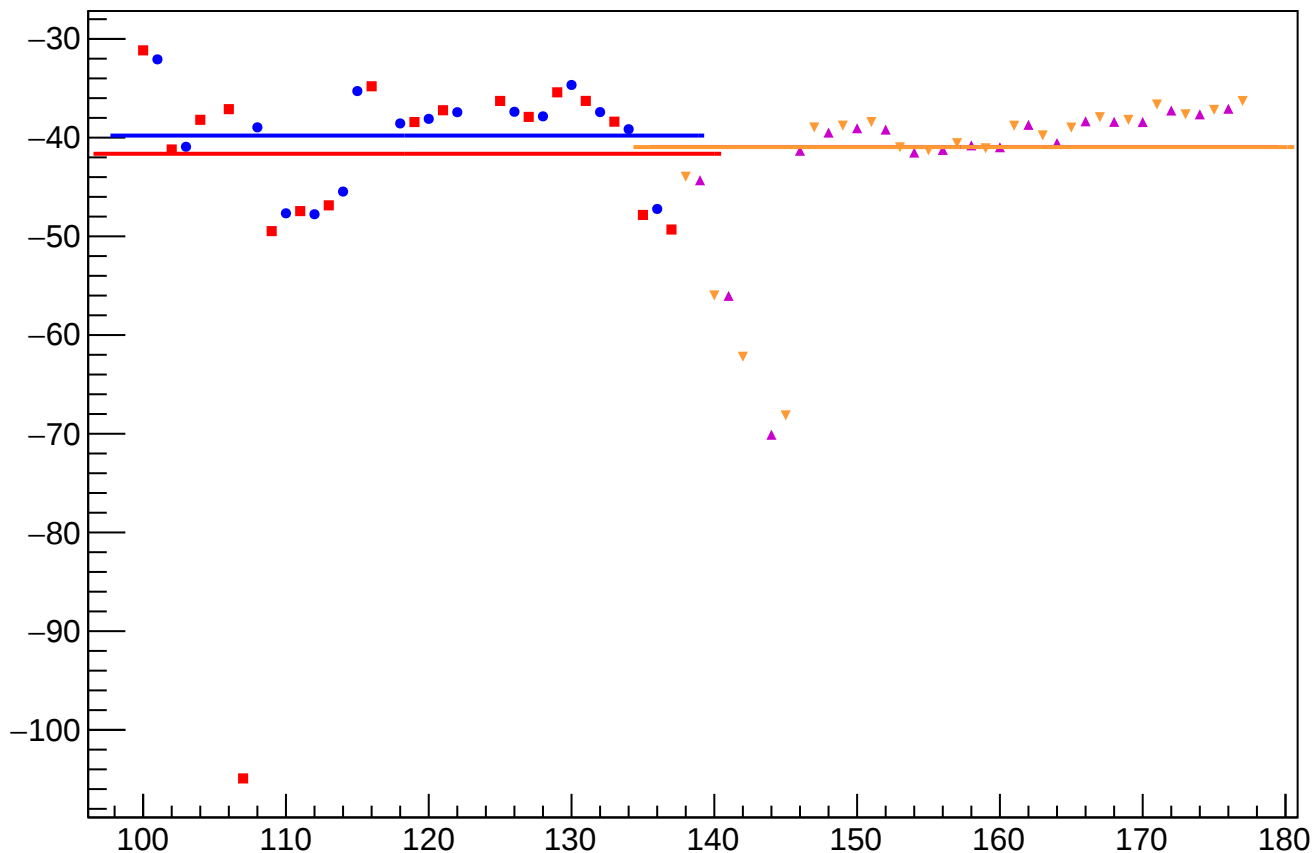
Out: 25.596 $\pm$ 0.387 χ^2 /NDF:5688.7/37

All: 24.994 $\pm$ 0.274 χ^2 /NDF: 10317.6/72

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -40.958 ± 0.017 χ^2/NDF : 148615.7/19

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

Left In: -40.946 ± 0.017 χ^2/NDF : 117887.5/18

Left: -40.952 ± 0.012 χ^2/NDF : 266503.4/38

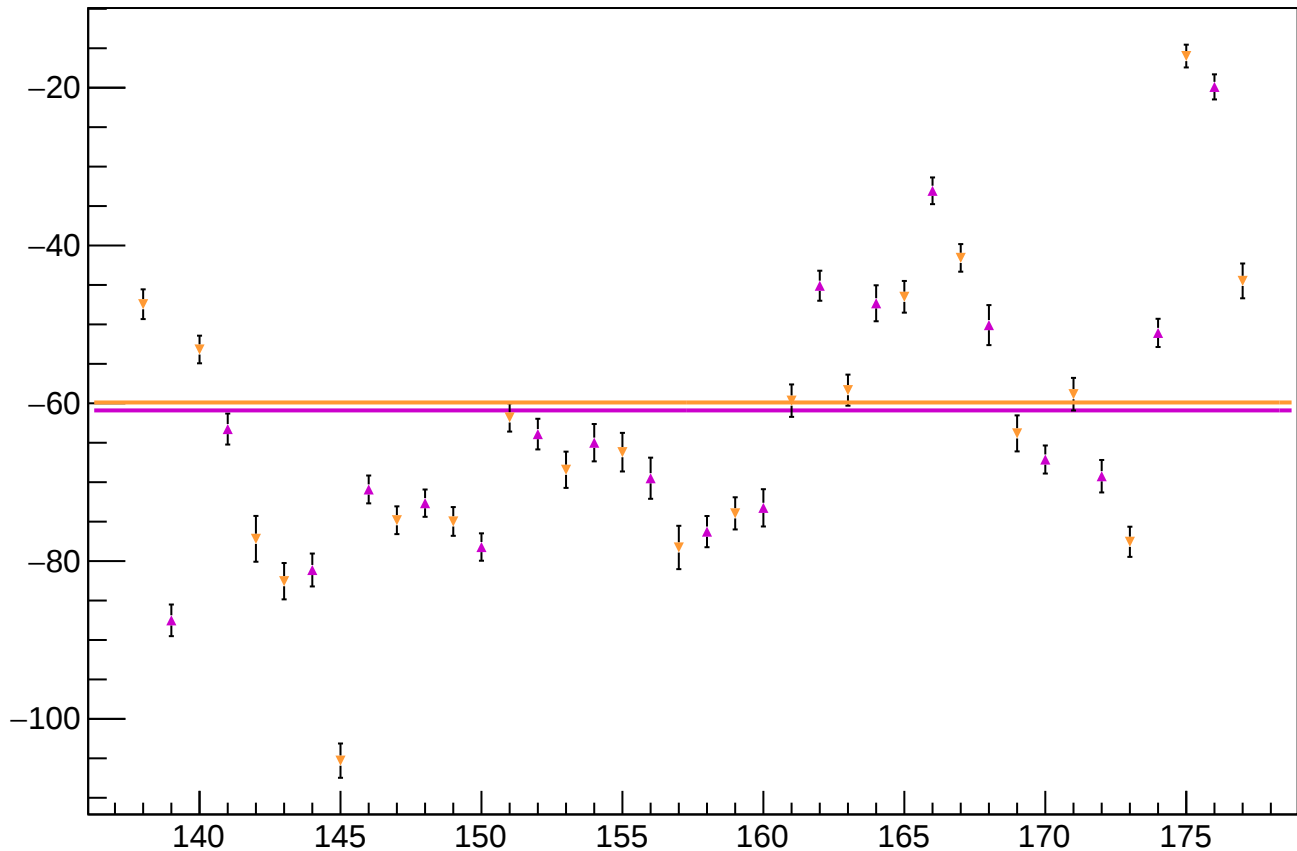
Right: -40.714 ± 0.022 χ^2/NDF : 122277.1/33

In: -40.674 ± 0.015 χ^2/NDF : 145071.5/34

Out: -41.118 ± 0.015 χ^2/NDF : 243368.8/37

All: -40.896 ± 0.011 χ^2/NDF : 388869.4/72

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -59.896+/-0.437 χ^2/NDF :2098.1/20

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

Left In: -60.902+/-0.448 χ^2/NDF :1669.5/18

Left: -60.386+/-0.313 χ^2/NDF : 3770.2/39

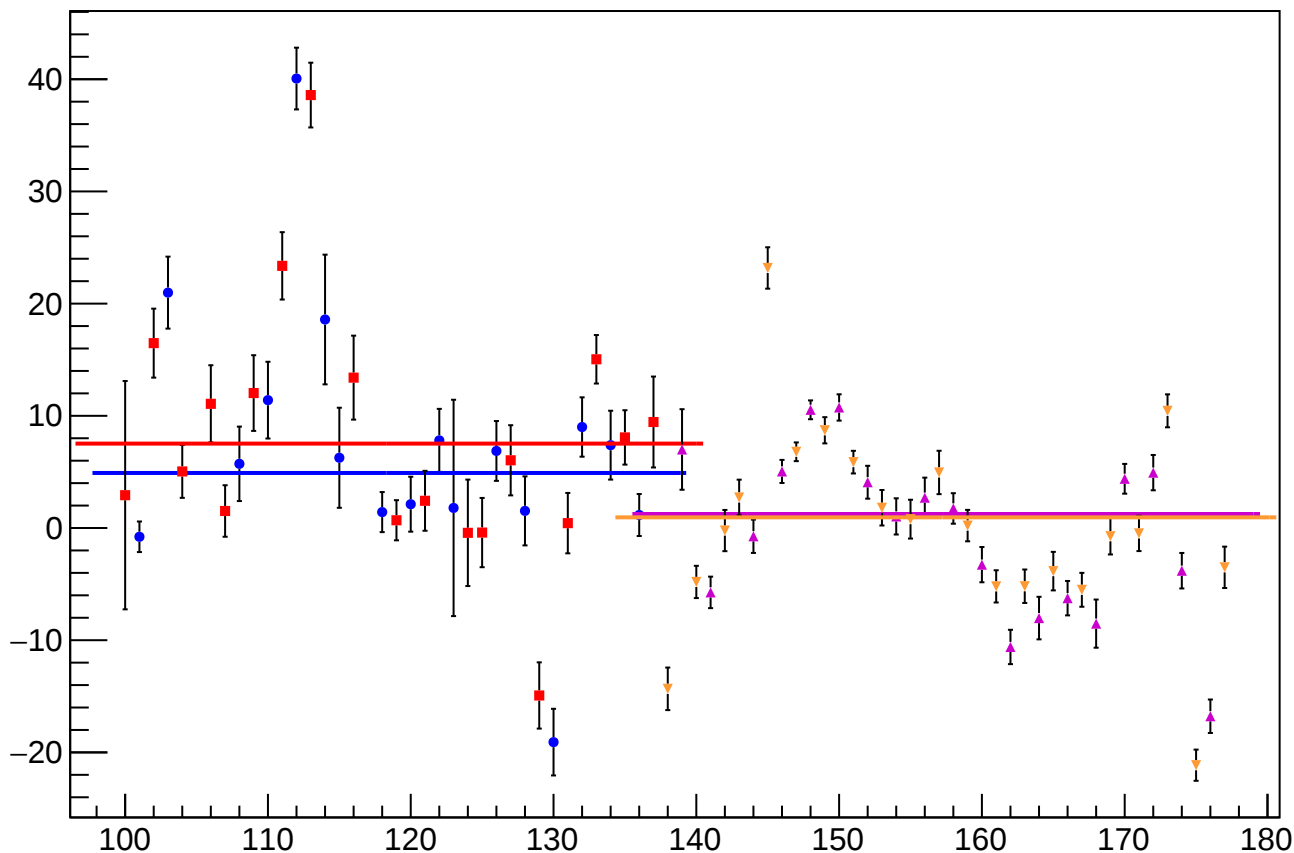
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -60.902+/-0.448 χ^2/NDF :1669.5/18

Out: -59.896+/-0.437 χ^2/NDF :2098.1/20

All: -60.386+/-0.313 χ^2/NDF : 3770.2/39

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 0.949 ± 0.313 χ^2/NDF : 713.0/20

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

Left In: 1.249 ± 0.326 χ^2/NDF : 539.6/18

Left: 1.093 ± 0.226 χ^2/NDF : 1253.1/39

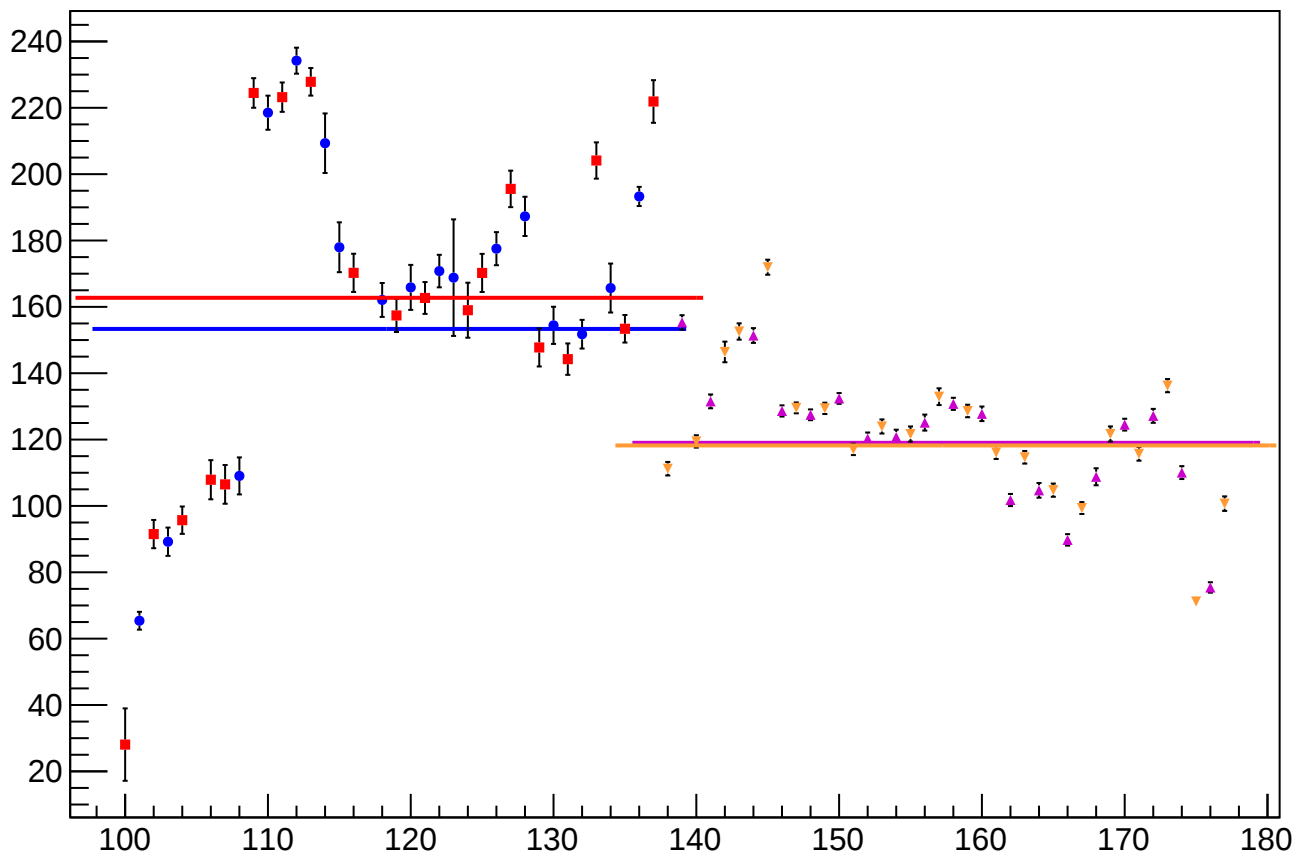
Right: 6.168 ± 0.452 χ^2/NDF : 574.4/35

In: 2.025 ± 0.289 χ^2/NDF : 861.7/35

Out: 2.188 ± 0.282 χ^2/NDF : 1066.5/39

All: 2.109 ± 0.202 χ^2/NDF : 1928.4/75

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 118.231 $\pm$ 0.432 χ^2 /NDF:2389.6/20

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

Left In: 119.019 $\pm$ 0.442 χ^2 /NDF:1963.5/18

Left: 118.616 $\pm$ 0.309 χ^2 /NDF: 4354.8/39

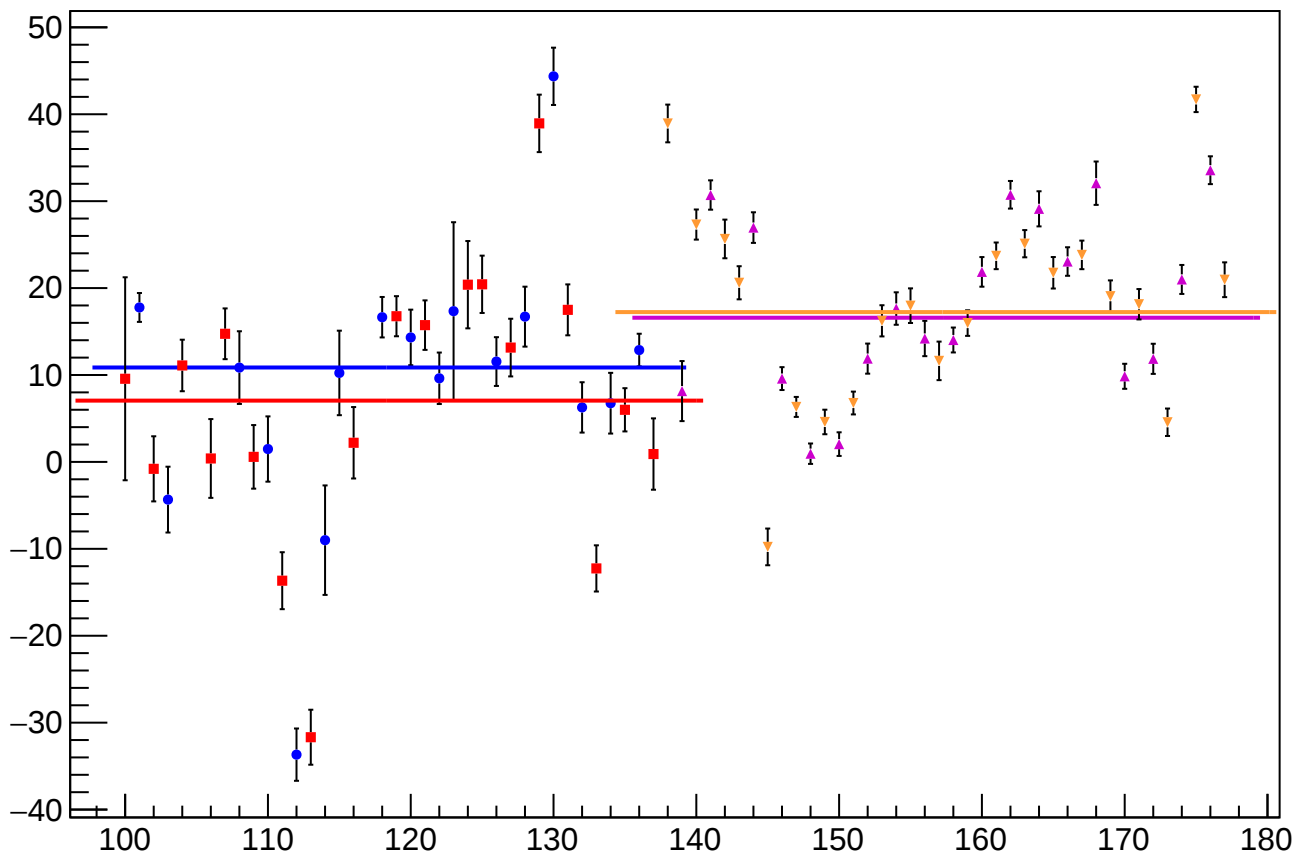
Right: 157.935 $\pm$ 0.823 χ^2 /NDF: 4009.6/35

In: 123.431 $\pm$ 0.412 χ^2 /NDF:5008.2/35

Out: 123.516 $\pm$ 0.406 χ^2 /NDF:5358.5/39

All: 123.474 $\pm$ 0.289 χ^2 /NDF: 10366.7/75

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 17.238 $\pm$ 0.363 χ^2 /NDF: 972.0/20

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

Left In: 16.589 $\pm$ 0.377 χ^2 /NDF: 773.0/18

Left: 16.925 $\pm$ 0.262 χ^2 /NDF: 1746.6/39

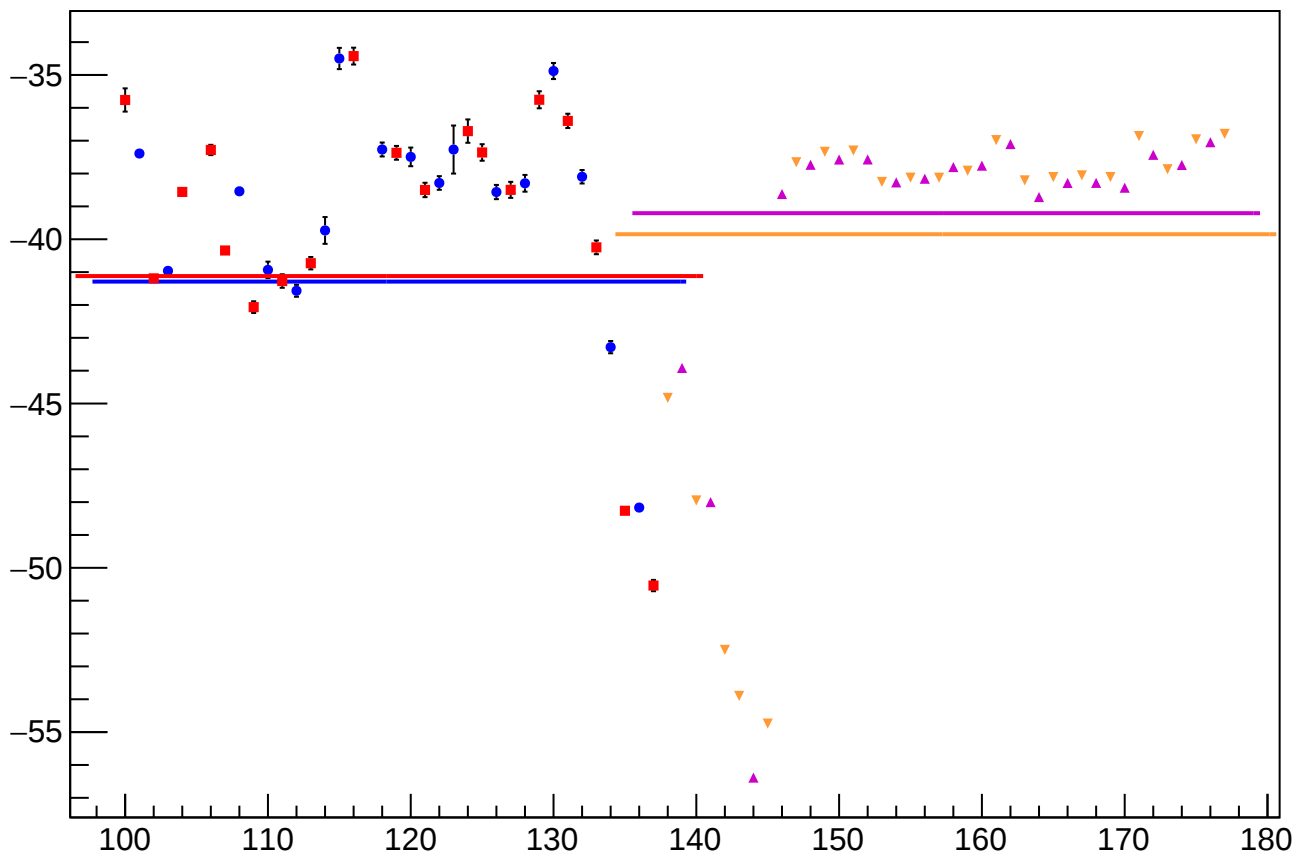
Right: 9.031 $\pm$ 0.518 χ^2 /NDF: 826.1/35

In: 15.355 $\pm$ 0.334 χ^2 /NDF: 1210.6/35

Out: 15.291 $\pm$ 0.327 χ^2 /NDF: 1546.9/39

All: 15.322 $\pm$ 0.234 χ^2 /NDF: 2757.6/75

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -39.847 ± 0.017 $\chi^2/\text{NDF}: 85909.8/20$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

Left In: -39.206 ± 0.017 $\chi^2/\text{NDF}: 51454.3/18$

Left: -39.531 ± 0.012 $\chi^2/\text{NDF}: 138047.9/39$

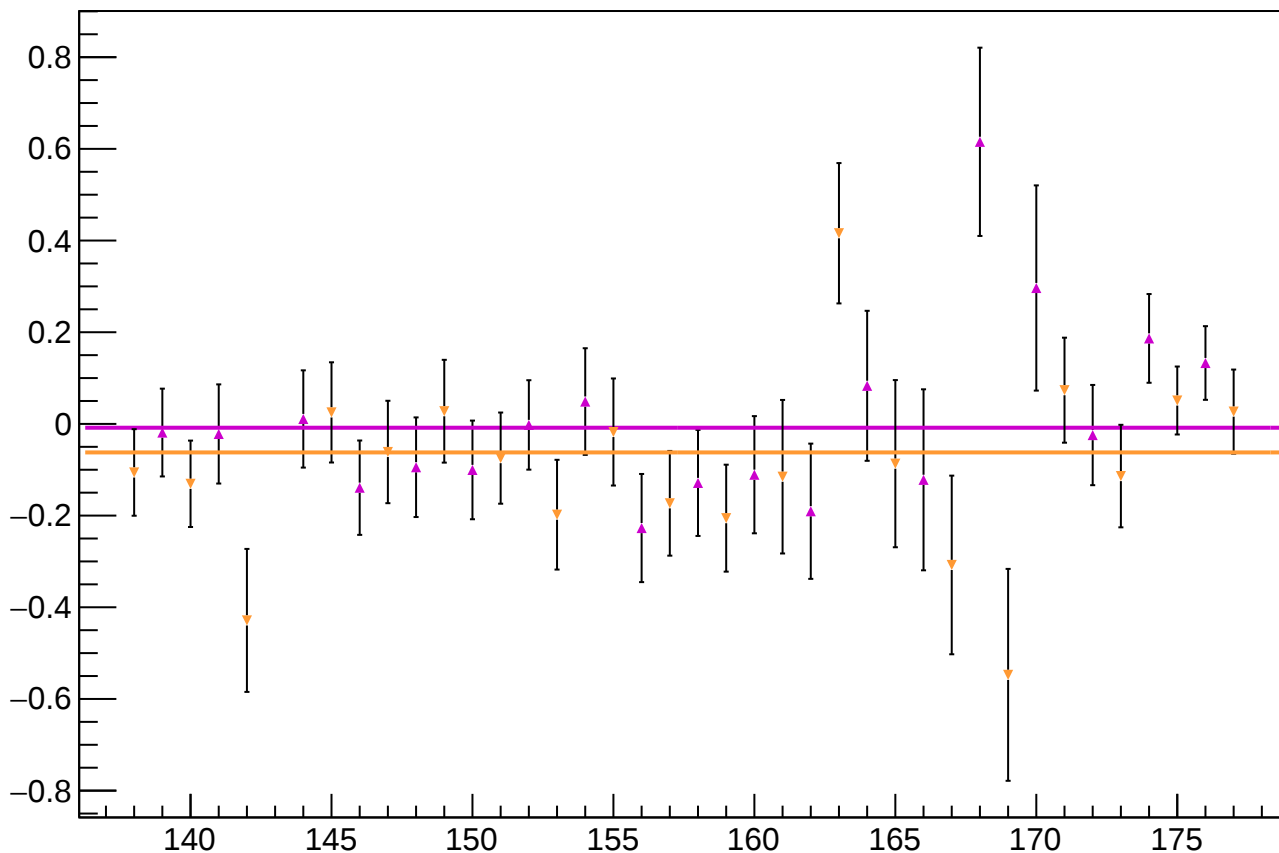
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24629.1/35$

In: -39.559 ± 0.016 $\chi^2/\text{NDF}: 66379.4/35$

Out: -40.058 ± 0.016 $\chi^2/\text{NDF}: 98924.6/39$

All: -39.811 ± 0.011 $\chi^2/\text{NDF}: 165801.7/75$

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: -0.062 $\pm$ 0.026 χ^2 /NDF:32.2/19

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

Left In: -0.008 $\pm$ 0.026 χ^2 /NDF:28.9/18

Left: -0.036 $\pm$ 0.018 χ^2 /NDF: 63.2/38

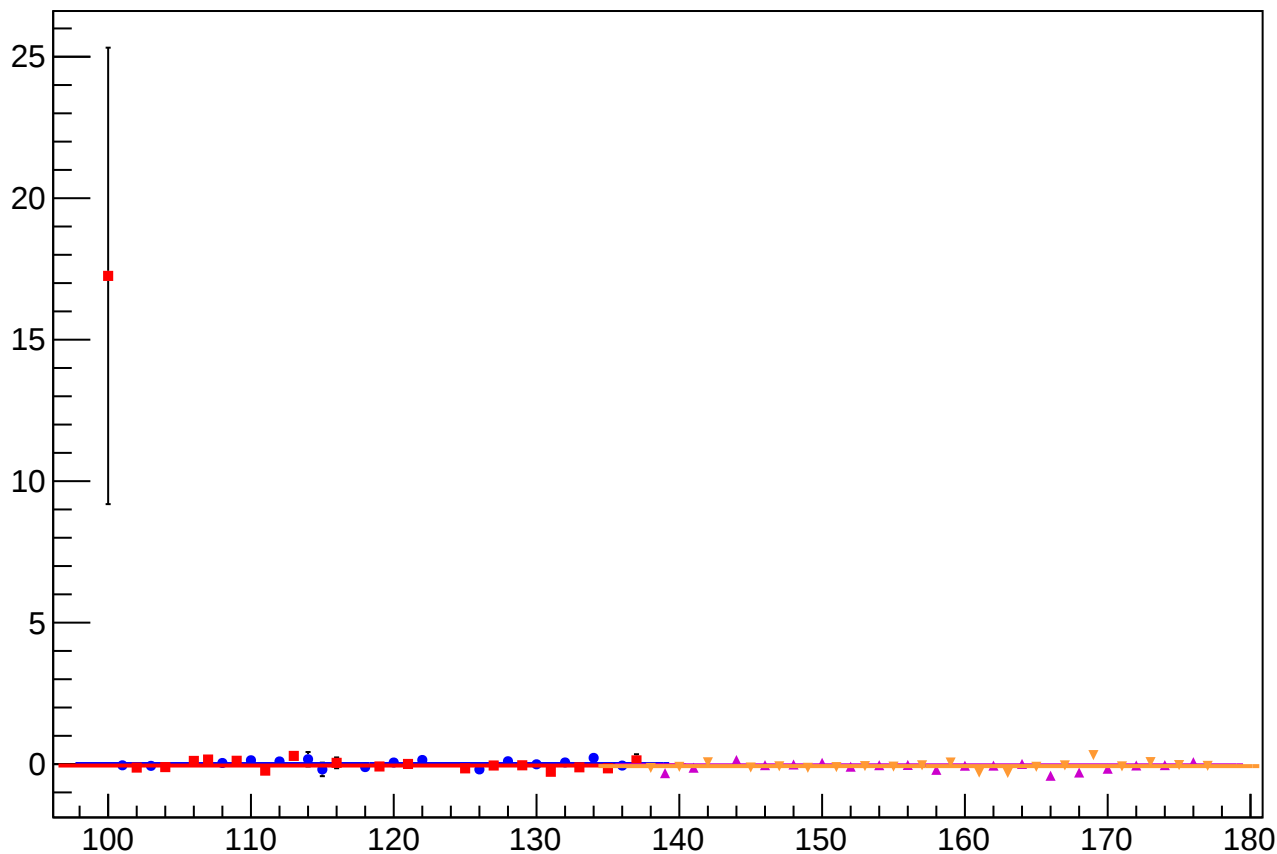
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.008 $\pm$ 0.026 χ^2 /NDF:28.9/18

Out: -0.062 $\pm$ 0.026 χ^2 /NDF:32.2/19

All: -0.036 $\pm$ 0.018 χ^2 /NDF: 63.2/38

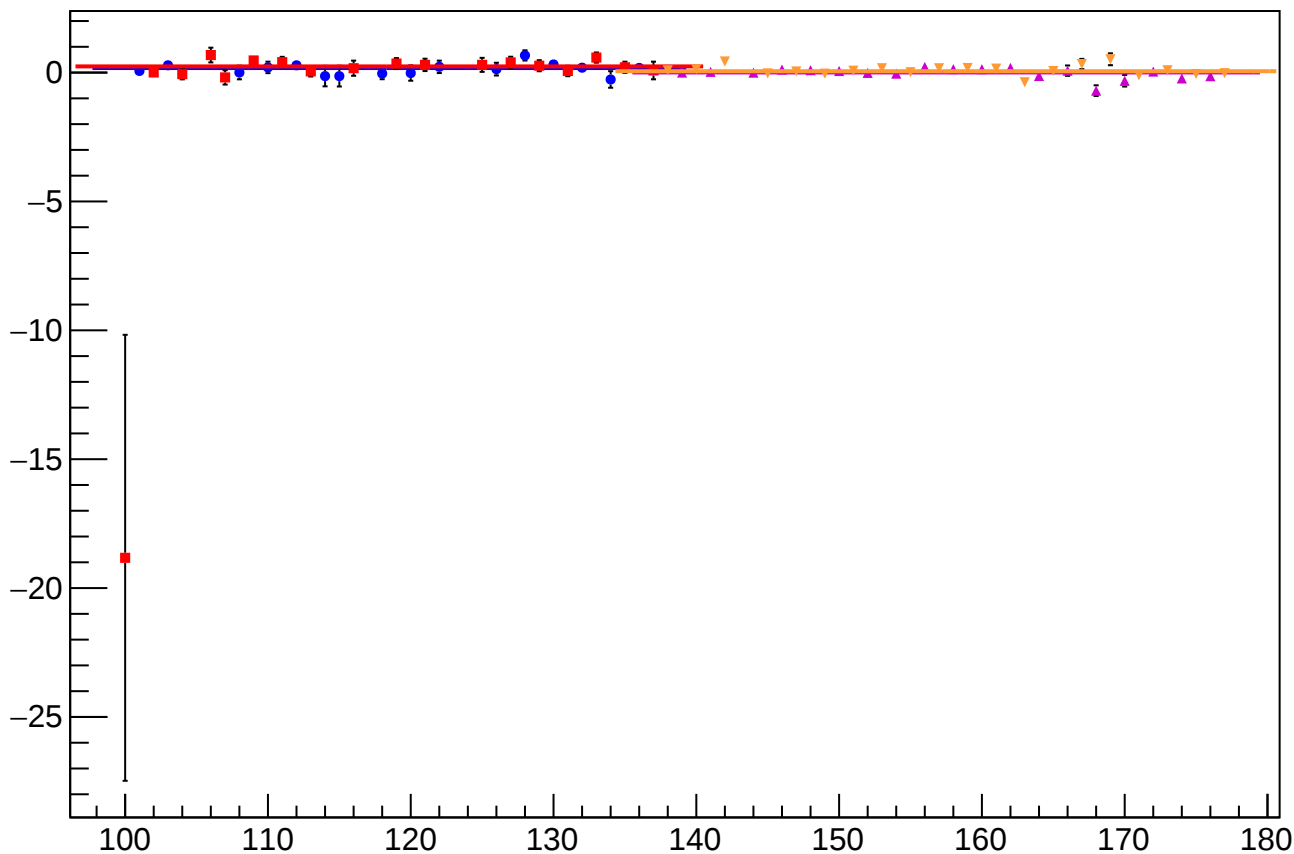
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15
 Left Out: -0.071+/-0.019 χ^2/NDF :23.0/19
 Right Out: -0.050+/-0.029 χ^2/NDF : 25.6/17
 Left In: -0.041+/-0.019 χ^2/NDF :25.3/18

Left: -0.056+/-0.014 χ^2/NDF : 49.5/38
 Right: -0.023+/-0.020 χ^2/NDF : 39.7/33
 In: -0.027+/-0.016 χ^2/NDF :39.4/34
 Out: -0.065+/-0.016 χ^2/NDF :49.0/37
 All: -0.046+/-0.011 χ^2/NDF : 91.2/72

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.053+/-0.025 χ^2/NDF :30.5/19

Right Out: 0.240+/-0.054 χ^2/NDF : 21.6/17

Left In: 0.005+/-0.026 χ^2/NDF :33.4/18

Left: 0.030+/-0.018 χ^2/NDF : 65.7/38

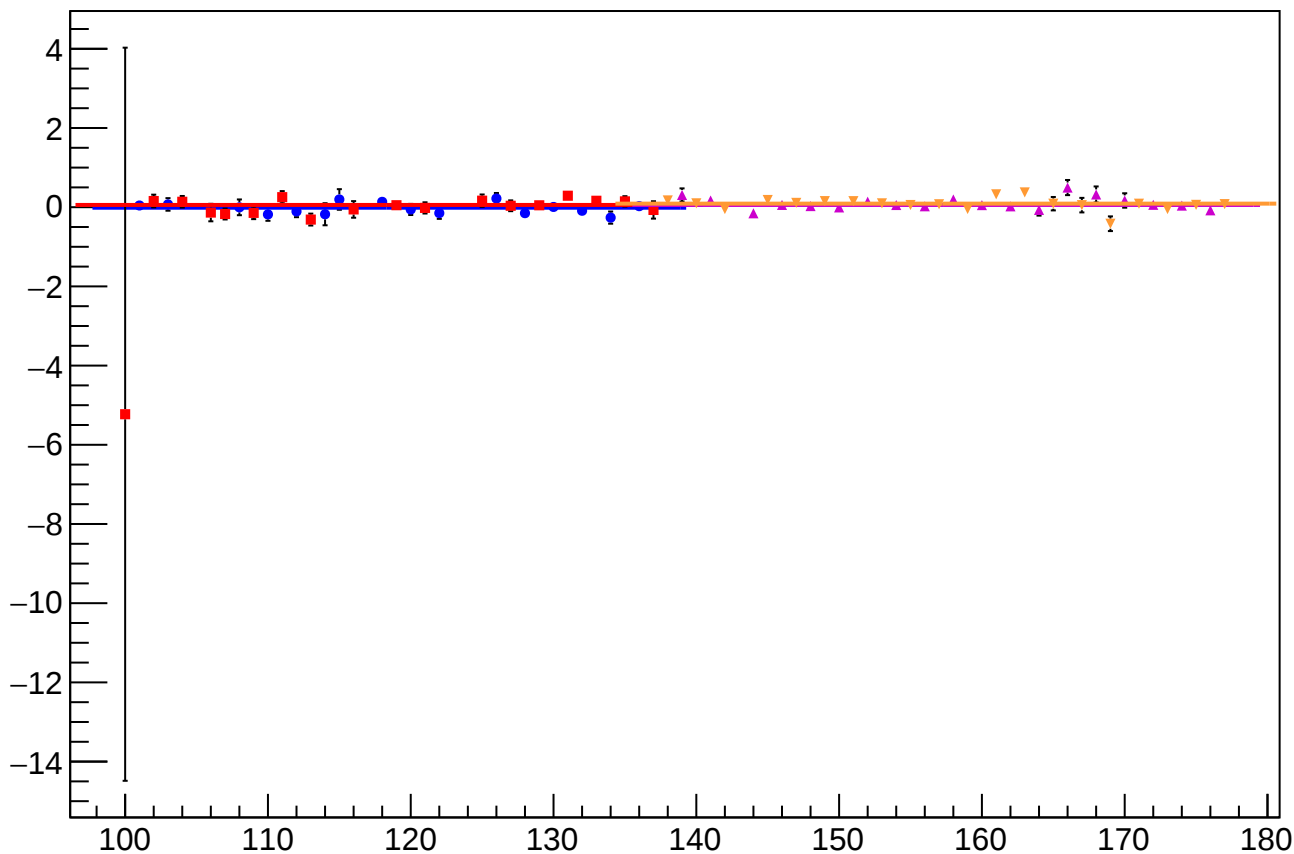
Right: 0.207+/-0.038 χ^2/NDF : 35.3/33

In: 0.039+/-0.023 χ^2/NDF :54.9/34

Out: 0.087+/-0.023 χ^2/NDF :61.9/37

All: 0.063+/-0.016 χ^2/NDF : 118.9/72

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 $\pm$ 0.033 χ^2 /NDF: 13.6/15

Left Out: 0.090 $\pm$ 0.022 χ^2 /NDF:25.4/19

Right Out: 0.057 $\pm$ 0.034 χ^2 /NDF: 20.3/17

Left In: 0.056 $\pm$ 0.022 χ^2 /NDF:24.8/18

Left: 0.073 $\pm$ 0.016 χ^2 /NDF: 51.4/38

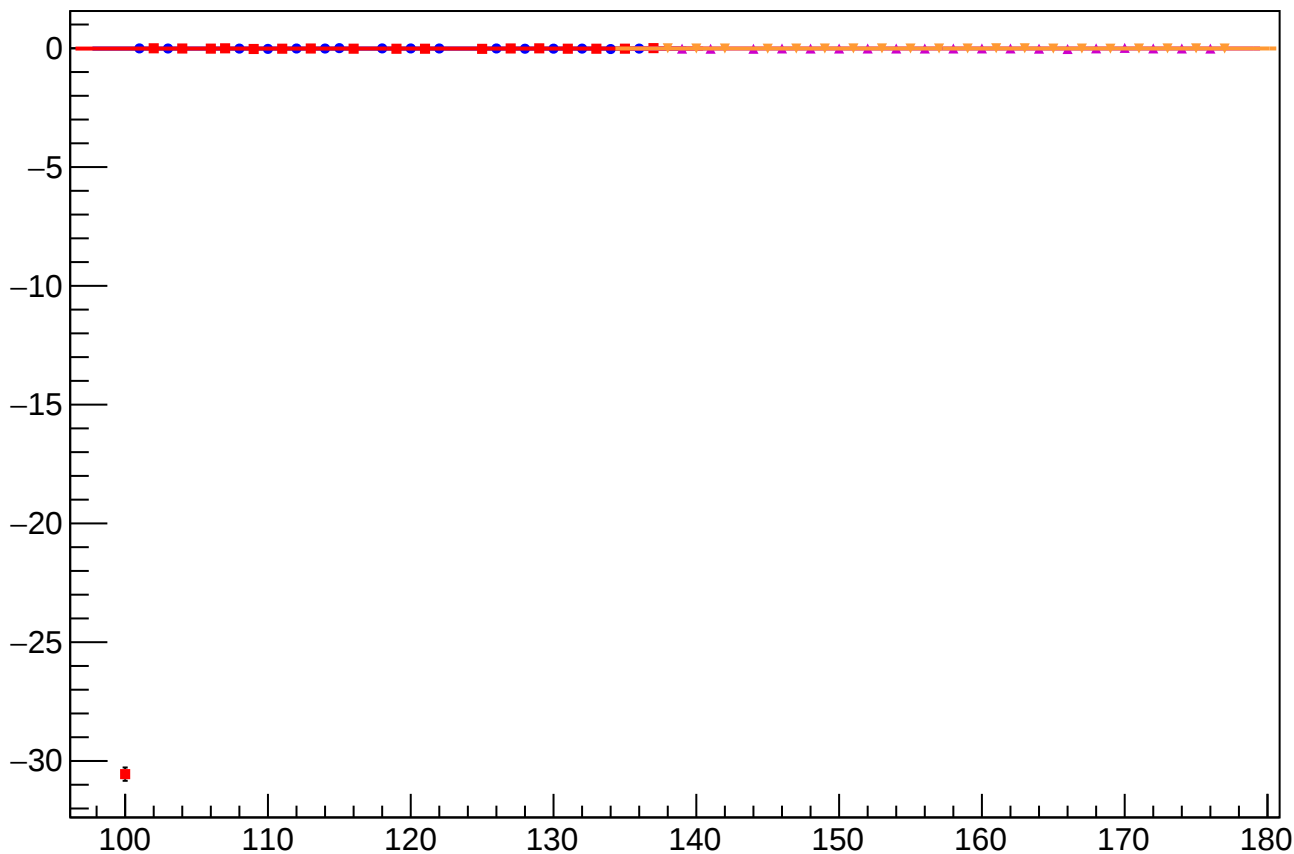
Right: 0.021 $\pm$ 0.024 χ^2 /NDF: 36.2/33

In: 0.034 $\pm$ 0.019 χ^2 /NDF:41.5/34

Out: 0.080 $\pm$ 0.018 χ^2 /NDF:46.4/37

All: 0.057 $\pm$ 0.013 χ^2 /NDF: 91.0/72

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:15.5/19

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:30.7/18

Left: -0.009 $\pm$ 0.001 χ^2 /NDF: 47.5/38

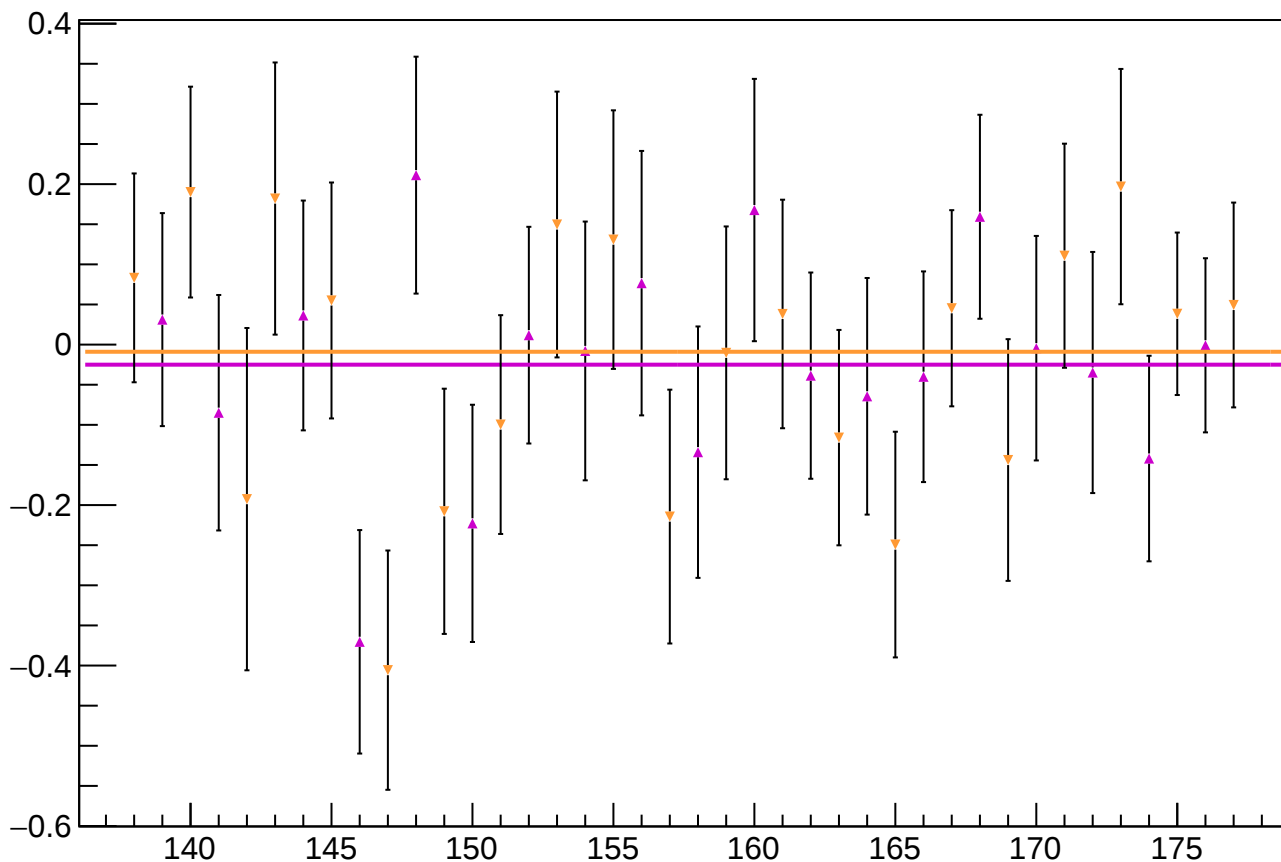
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.1/33

In: -0.010 $\pm$ 0.001 χ^2 /NDF:44.5/34

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11910.4/37

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11955.8/72

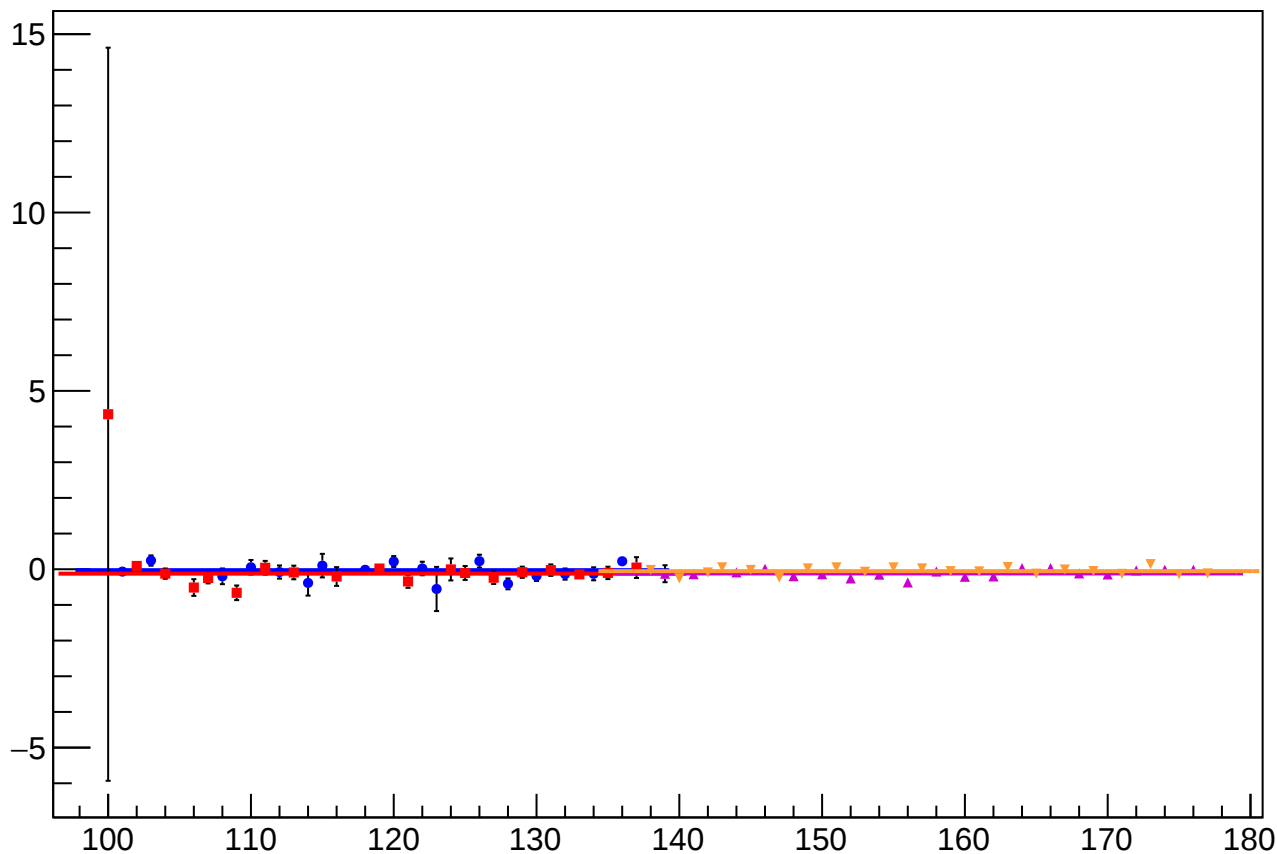
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



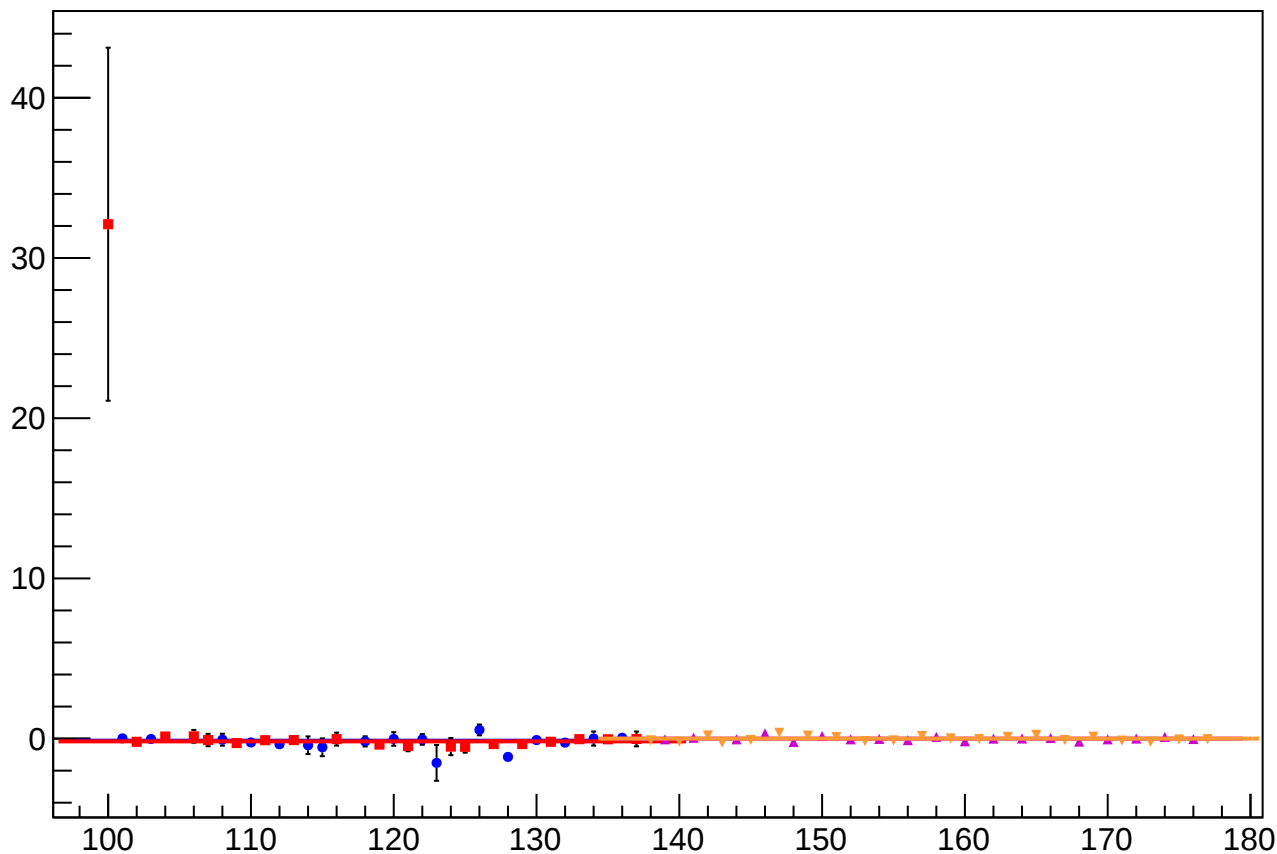
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.009 $\pm$ 0.031 χ^2 /NDF:25.4/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.025 $\pm$ 0.032 χ^2 /NDF:16.5/18

Left: -0.017 $\pm$ 0.022 χ^2 /NDF: 42.0/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.025 $\pm$ 0.032 χ^2 /NDF:16.5/18
 Out: -0.009 $\pm$ 0.031 χ^2 /NDF:25.4/20
 All: -0.017 $\pm$ 0.022 χ^2 /NDF: 42.0/39

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.001 ± 0.031 $\chi^2/\text{NDF}: 24.9/20$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 14.9/18$

Left In: -0.002 ± 0.032 $\chi^2/\text{NDF}: 14.8/18$

Left: -0.000 ± 0.022 $\chi^2/\text{NDF}: 39.7/39$

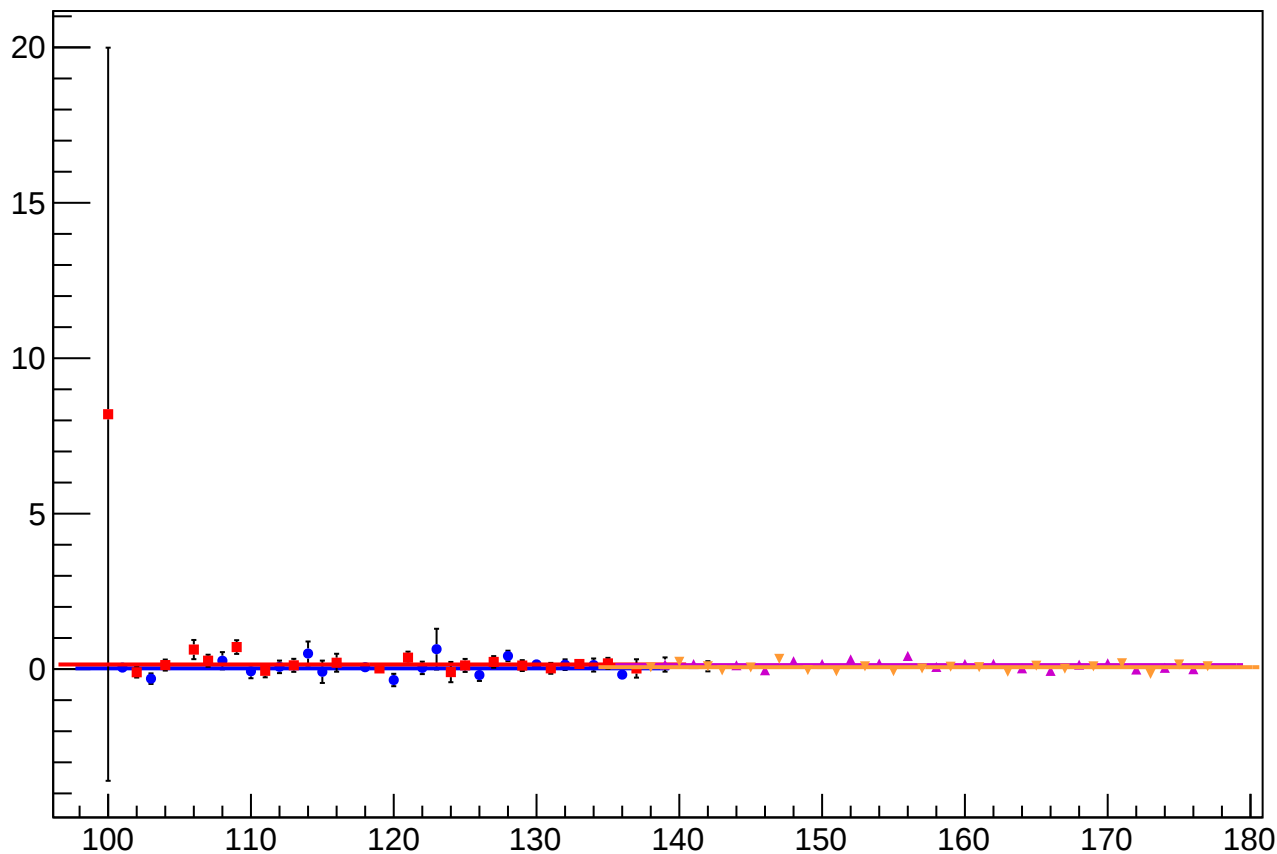
Right: -0.150 ± 0.049 $\chi^2/\text{NDF}: 38.2/35$

In: -0.025 ± 0.029 $\chi^2/\text{NDF}: 40.9/35$

Out: -0.026 ± 0.028 $\chi^2/\text{NDF}: 44.8/39$

All: -0.026 ± 0.020 $\chi^2/\text{NDF}: 85.7/75$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.061+/-0.026 χ^2/NDF :20.6/20

Right Out: 0.148+/-0.045 χ^2/NDF : 16.6/18

Left In: 0.128+/-0.028 χ^2/NDF :18.6/18

Left: 0.092+/-0.019 χ^2/NDF : 42.3/39

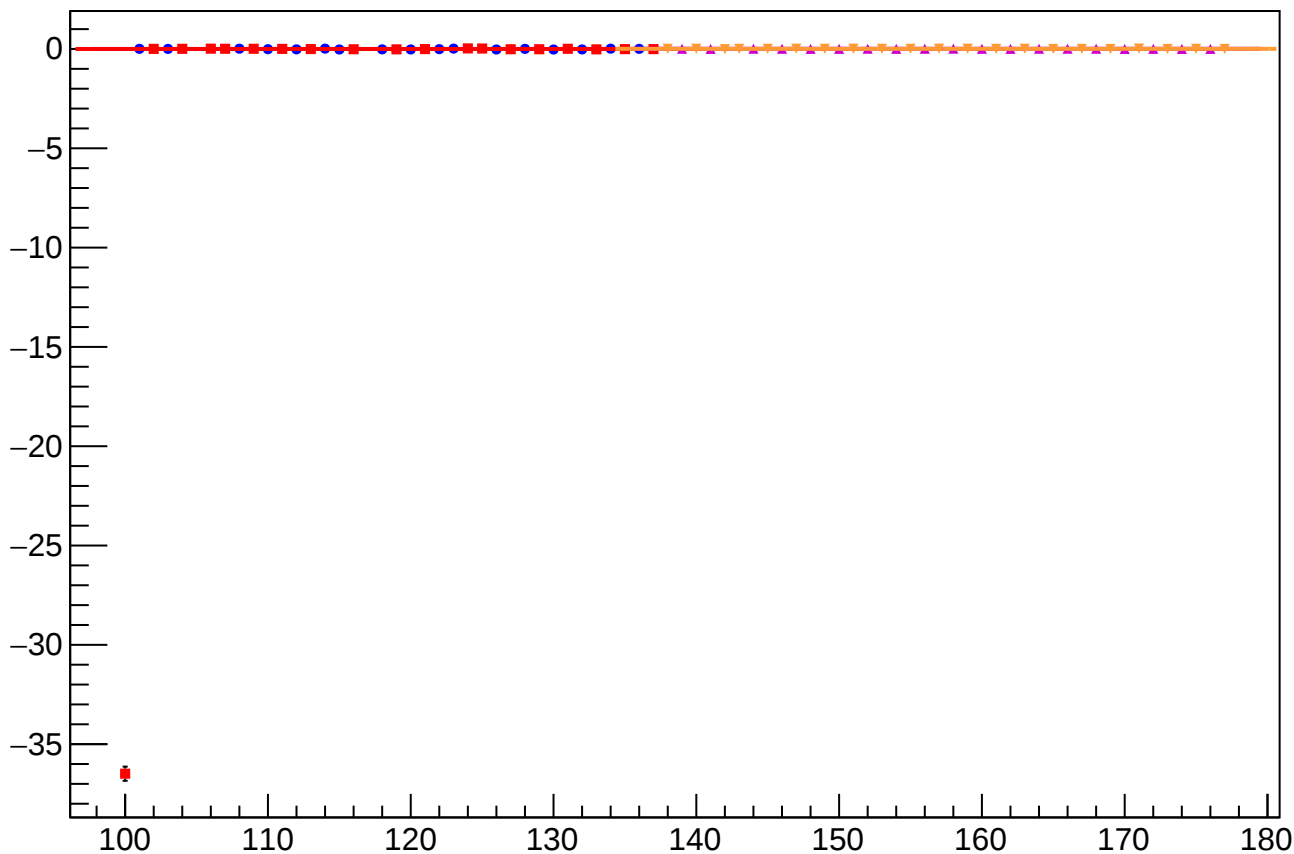
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.097+/-0.023 χ^2/NDF :44.2/35

Out: 0.083+/-0.023 χ^2/NDF :39.9/39

All: 0.090+/-0.016 χ^2/NDF : 84.3/75

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.009 $\pm$ 0.001 χ^2 /NDF:19.8/20

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF:12.0/18

Left: 0.009 $\pm$ 0.001 χ^2 /NDF: 31.8/39

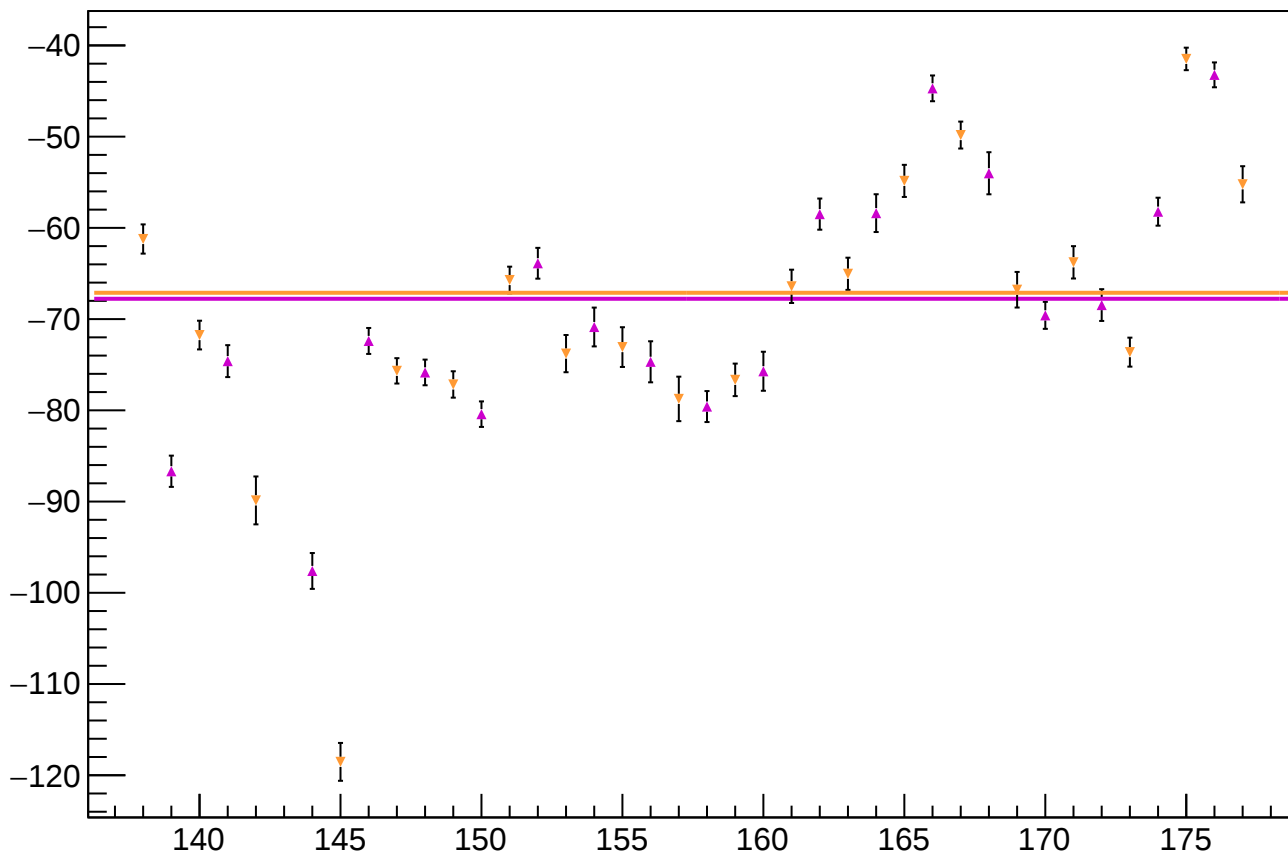
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF:52.8/35

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10478.9/39

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10531.8/75

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -67.114+/-0.382 χ^2/NDF :1543.3/19

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

Left In: -67.772+/-0.384 χ^2/NDF :1288.7/18

Left: -67.441+/-0.271 χ^2/NDF : 2833.4/38

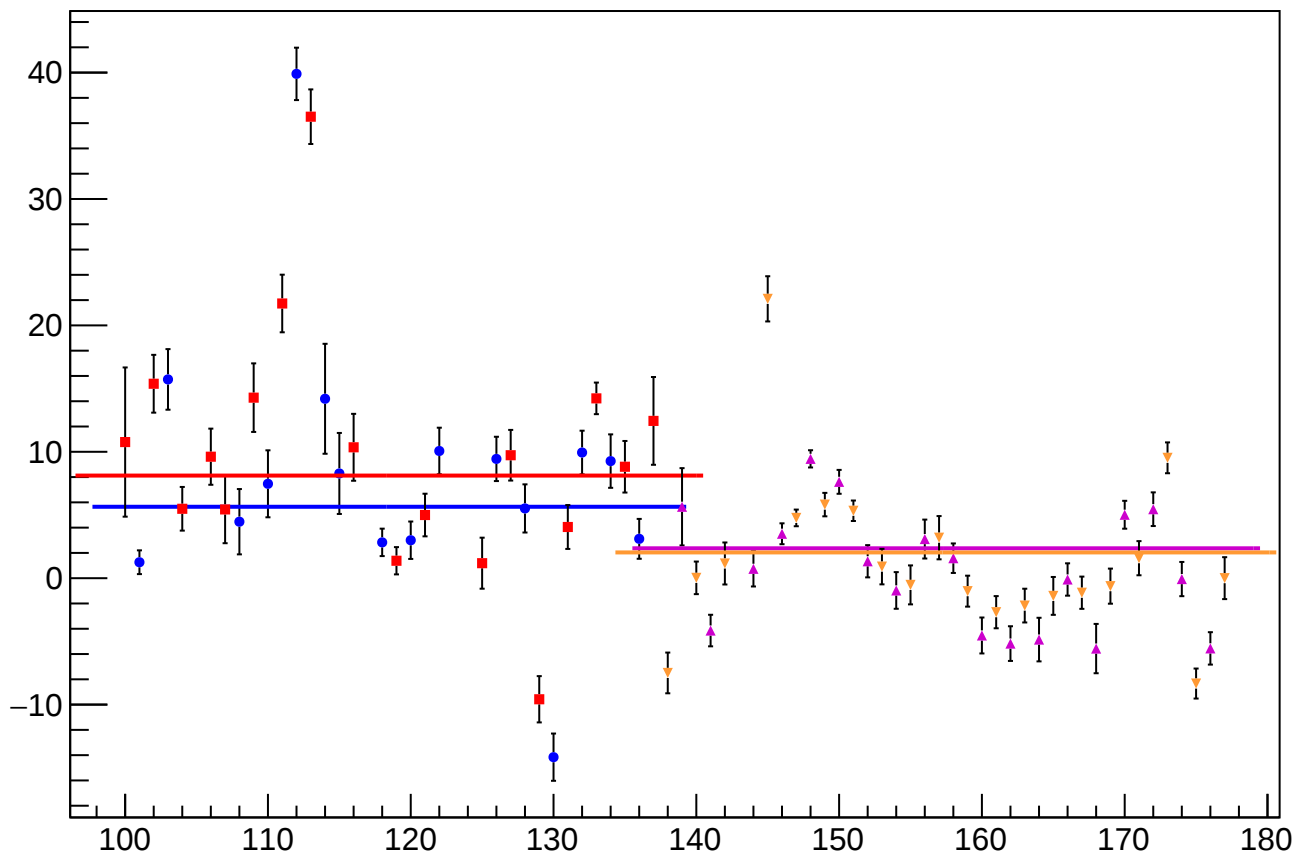
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -67.772+/-0.384 χ^2/NDF :1288.7/18

Out: -67.114+/-0.382 χ^2/NDF :1543.3/19

All: -67.441+/-0.271 χ^2/NDF : 2833.4/38

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 $\pm$ 0.429 χ^2 /NDF: 461.9/15

Left Out: 2.039 $\pm$ 0.271 χ^2 /NDF: 378.6/19

Right Out: 8.119 $\pm$ 0.453 χ^2 /NDF: 407.9/17

Left In: 2.365 $\pm$ 0.277 χ^2 /NDF: 321.0/18

Left: 2.198 $\pm$ 0.194 χ^2 /NDF: 700.3/38

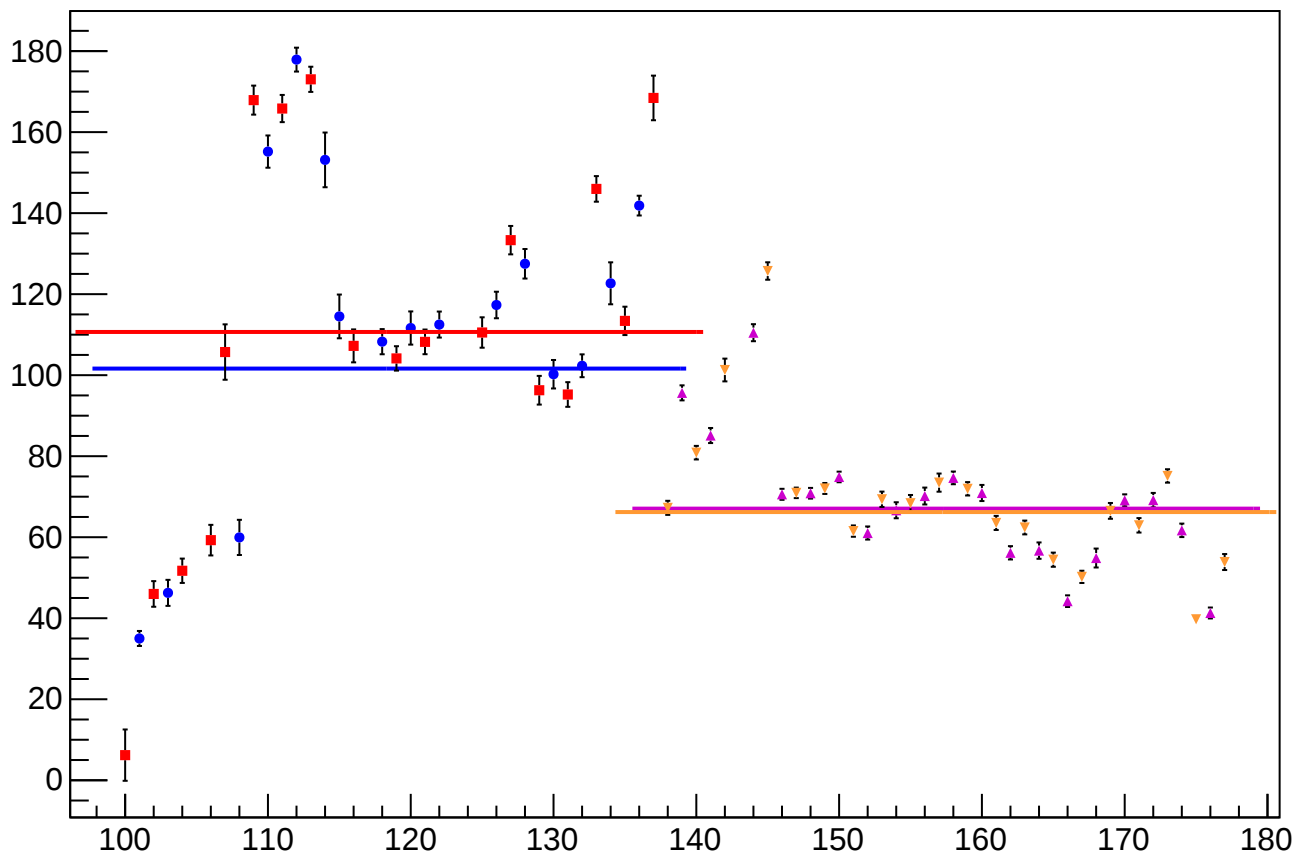
Right: 6.819 $\pm$ 0.311 χ^2 /NDF: 885.4/33

In: 3.332 $\pm$ 0.233 χ^2 /NDF: 824.2/34

Out: 3.642 $\pm$ 0.232 χ^2 /NDF: 919.4/37

All: 3.487 $\pm$ 0.164 χ^2 /NDF: 1744.5/72

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 66.211 $\pm$ 0.376 χ^2 /NDF:1763.5/19

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

Left In: 67.057 $\pm$ 0.378 χ^2 /NDF:1579.8/18

Left: 66.632 $\pm$ 0.267 χ^2 /NDF: 3345.9/38

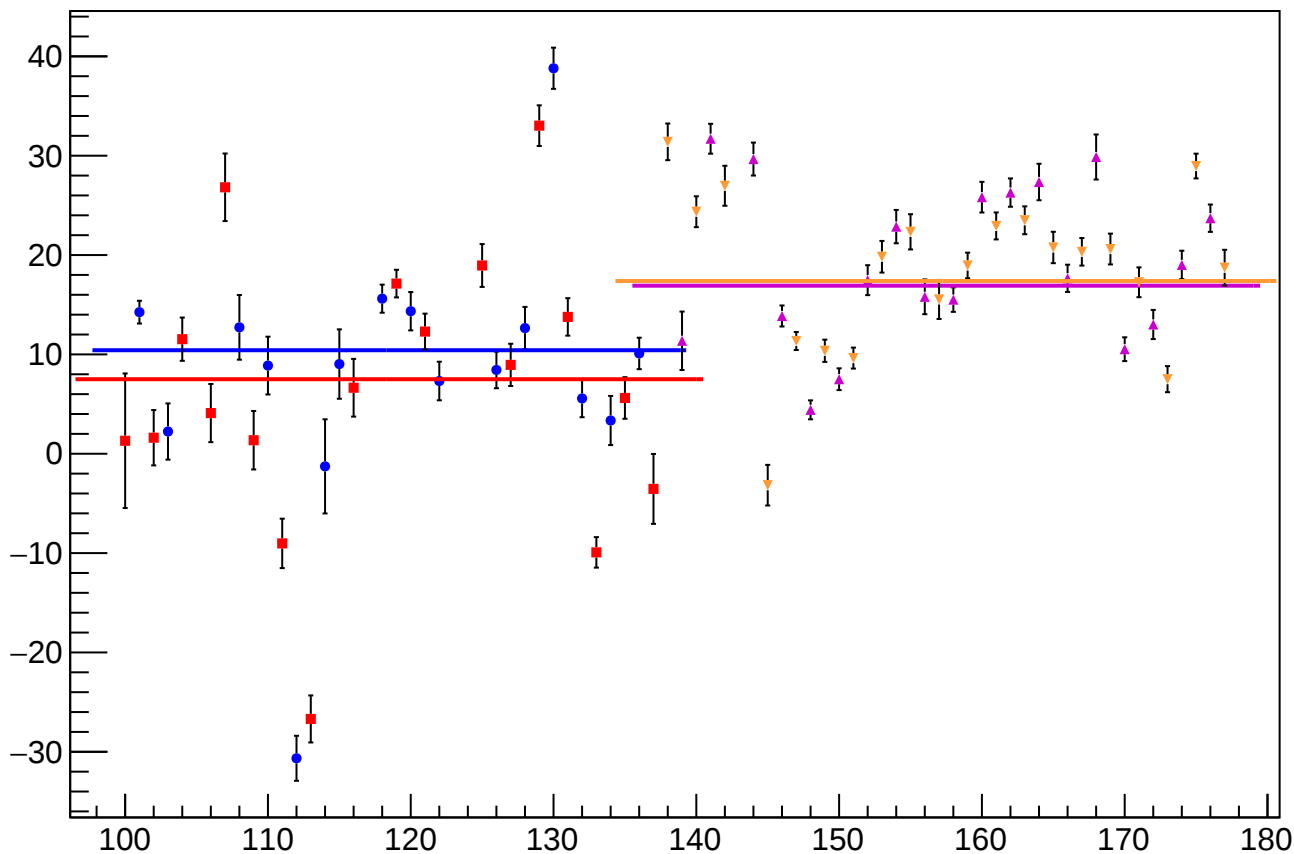
Right: 106.018 $\pm$ 0.583 χ^2 /NDF: 5554.3/33

In: 73.215 $\pm$ 0.343 χ^2 /NDF:6049.8/34

Out: 73.697 $\pm$ 0.343 χ^2 /NDF:6628.8/37

All: 73.456 $\pm$ 0.242 χ^2 /NDF: 12679.6/72

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 17.387 ± 0.316 $\chi^2/\text{NDF}: 543.8/19$

Right Out: 7.502 ± 0.523 $\chi^2/\text{NDF}: 689.4/17$

Left In: 16.917 ± 0.322 $\chi^2/\text{NDF}: 631.7/18$

Left: 17.157 ± 0.225 $\chi^2/\text{NDF}: 1176.6/38$

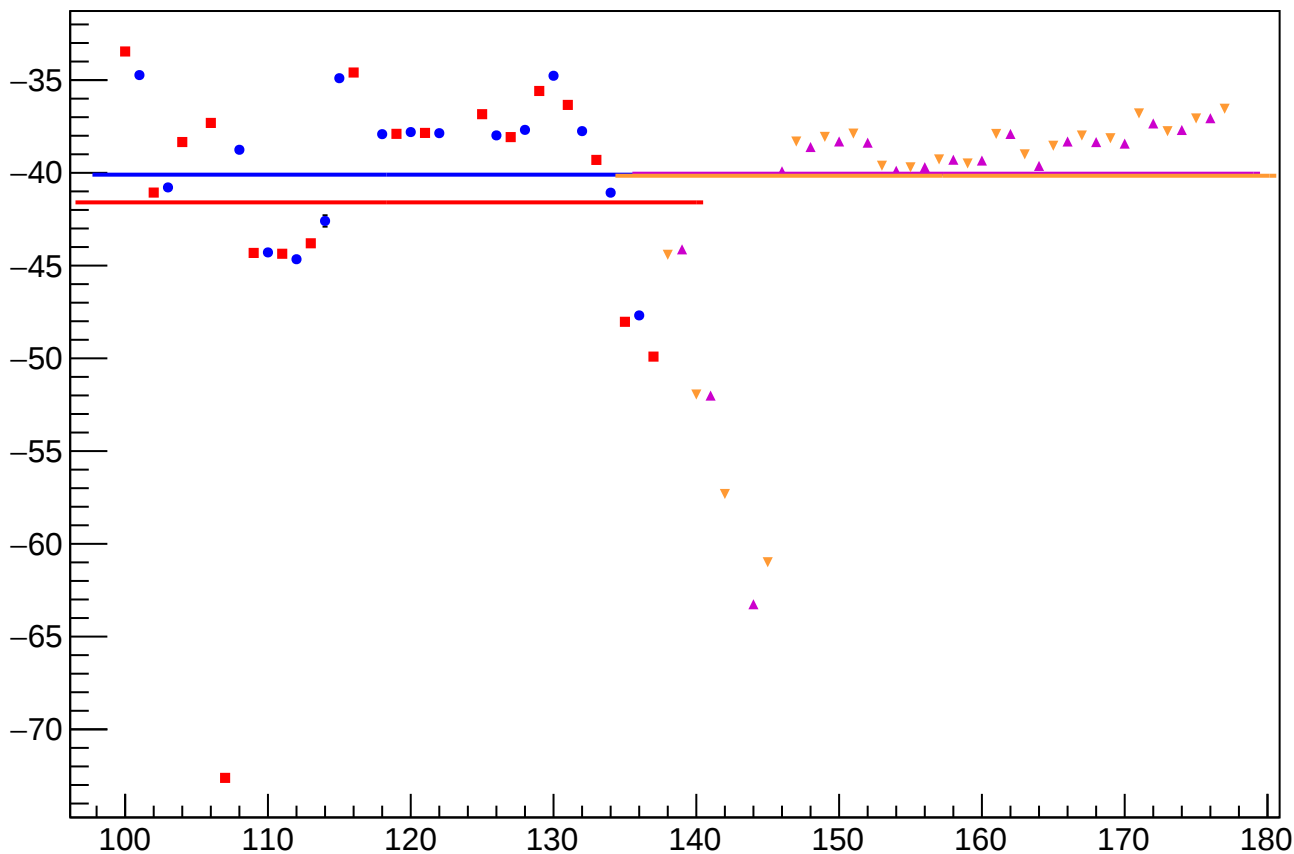
Right: 9.035 ± 0.360 $\chi^2/\text{NDF}: 1285.5/33$

In: 14.999 ± 0.270 $\chi^2/\text{NDF}: 1331.7/34$

Out: 14.750 ± 0.270 $\chi^2/\text{NDF}: 1494.9/37$

All: 14.874 ± 0.191 $\chi^2/\text{NDF}: 2827.0/72$

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -40.156 ± 0.015 χ^2/NDF : 129678.6/19

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

Left In: -40.047 ± 0.015 χ^2/NDF : 103995.3/18

Left: -40.101 ± 0.011 χ^2/NDF : 233700.6/38

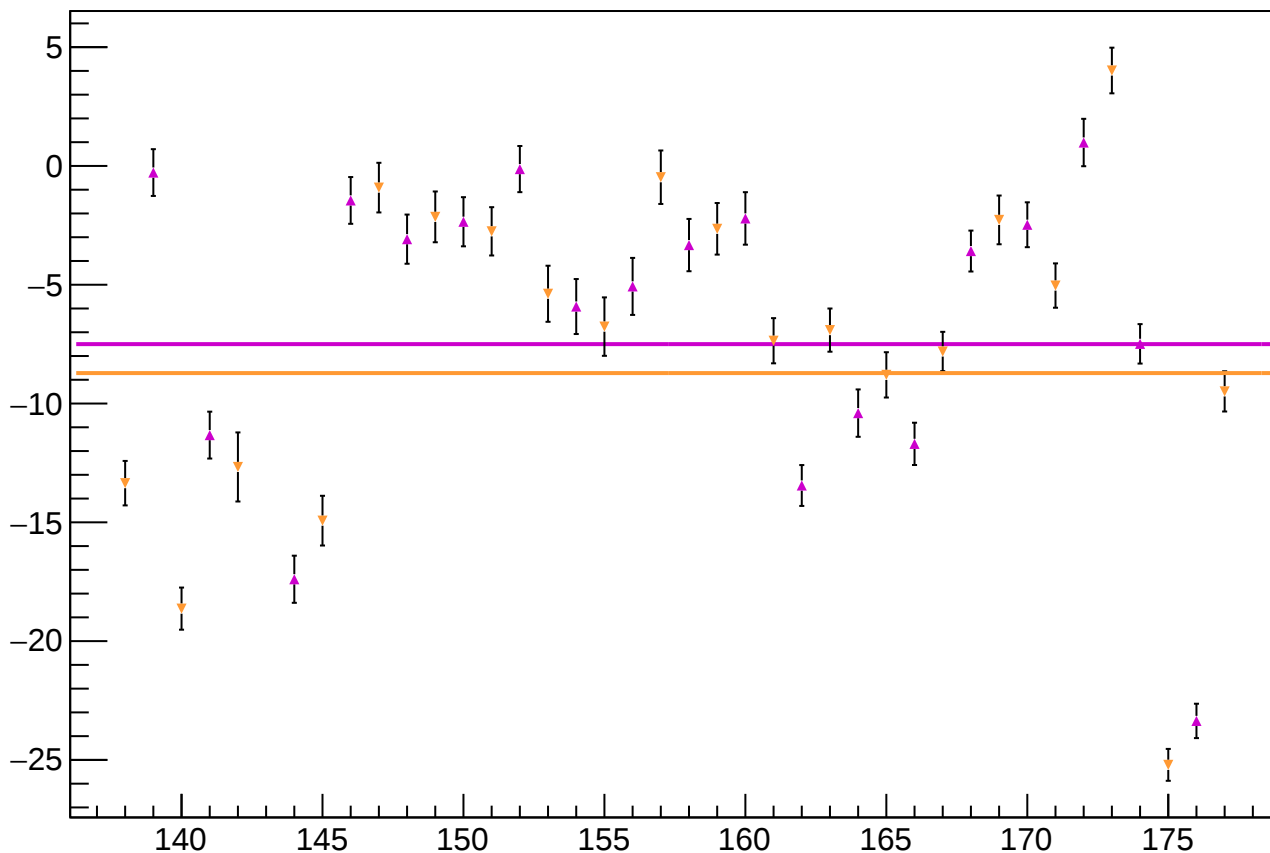
Right: -40.838 ± 0.020 χ^2/NDF : 88129.3/33

In: -40.058 ± 0.013 χ^2/NDF : 129071.3/34

Out: -40.469 ± 0.013 χ^2/NDF : 193329.4/37

All: -40.262 ± 0.009 χ^2/NDF : 322878.6/72

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



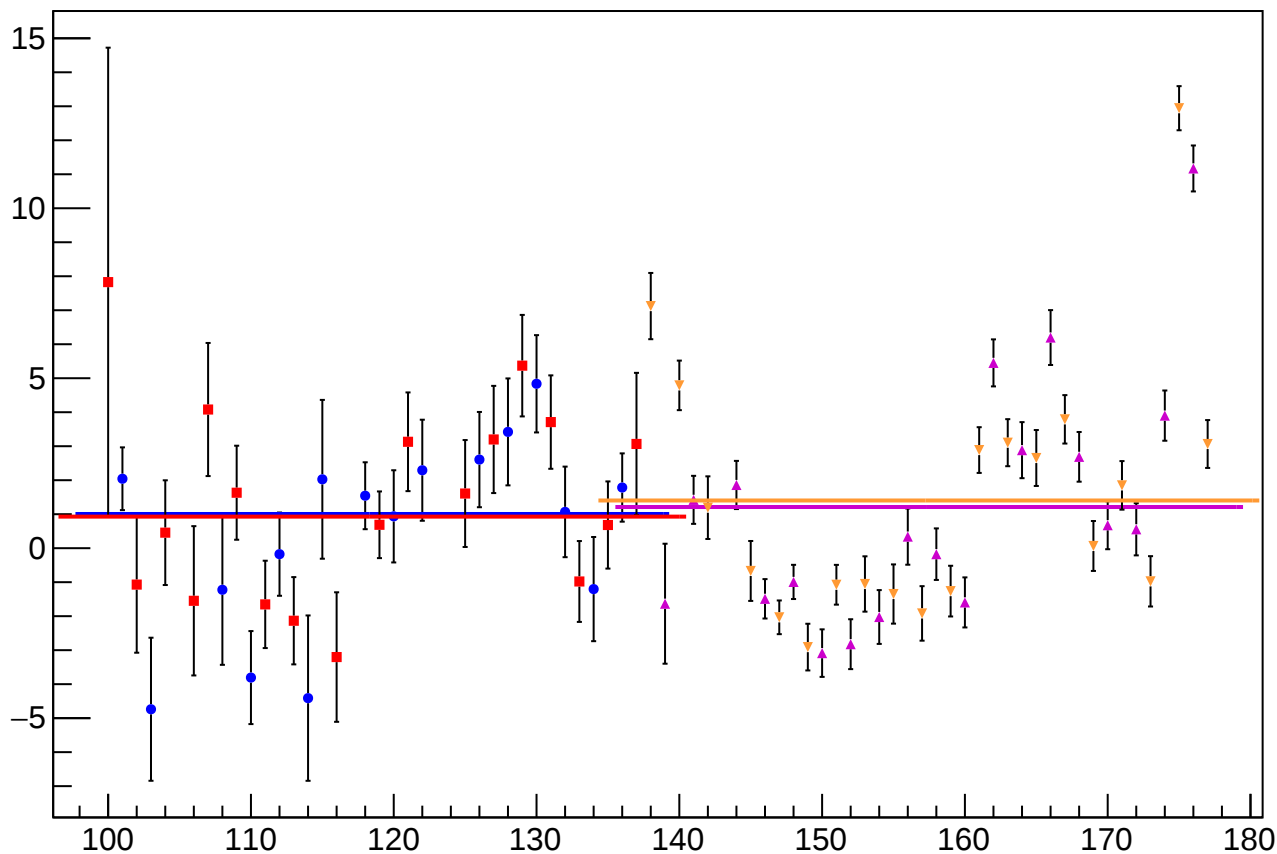
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.718+/-0.217 χ^2/NDF :1258.2/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.500+/-0.220 χ^2/NDF :1030.4/18

Left: -8.119+/-0.155 χ^2/NDF : 2304.1/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -7.500+/-0.220 χ^2/NDF :1030.4/18
 Out: -8.718+/-0.217 χ^2/NDF :1258.2/19

All: -8.119+/-0.155 χ^2/NDF : 2304.1/38

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 1.403 ± 0.161 $\chi^2/\text{NDF}: 576.3/19$

Right Out: 0.929 ± 0.353 $\chi^2/\text{NDF}: 41.9/17$

Left In: 1.211 ± 0.166 $\chi^2/\text{NDF}: 463.6/18$

Left: 1.310 ± 0.116 $\chi^2/\text{NDF}: 1040.6/38$

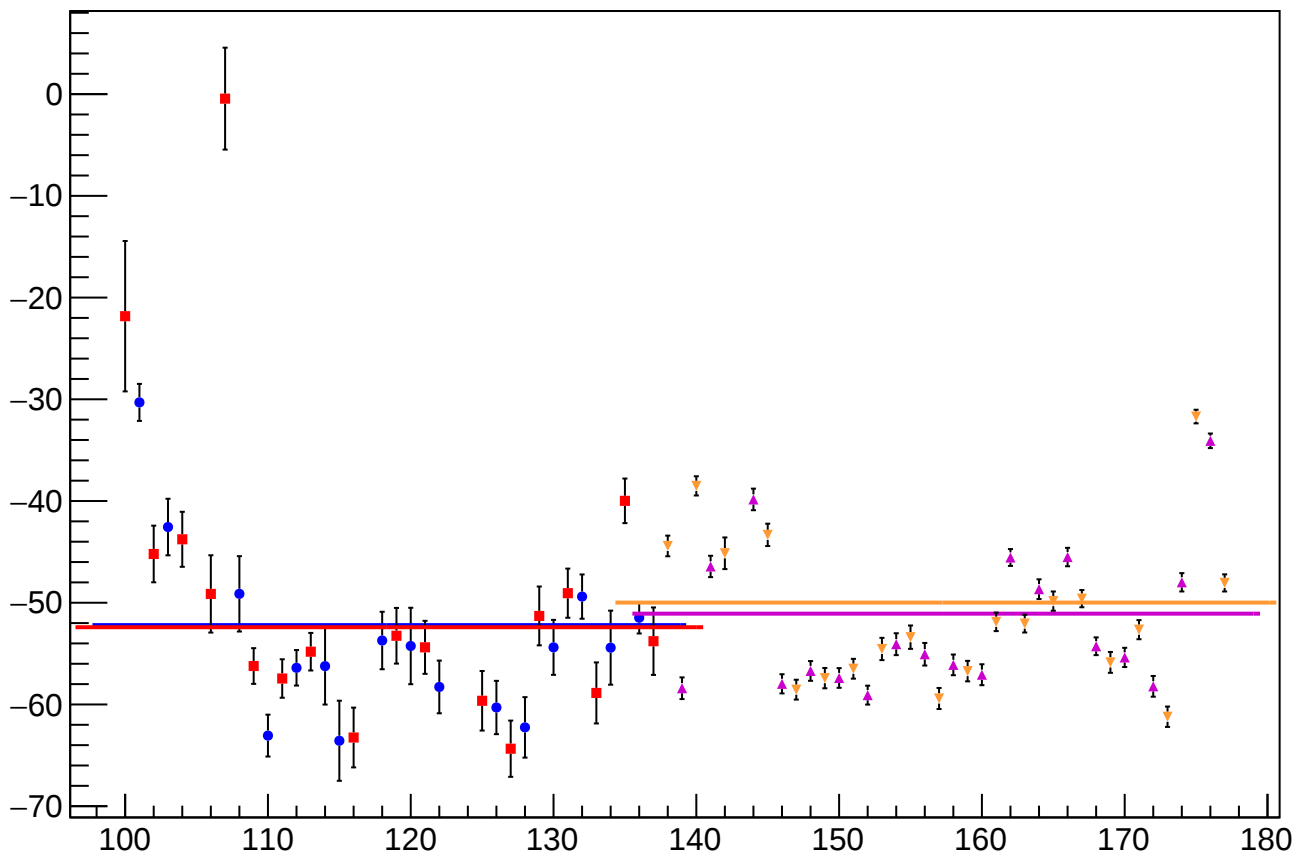
Right: 0.969 ± 0.246 $\chi^2/\text{NDF}: 84.6/33$

In: 1.172 ± 0.149 $\chi^2/\text{NDF}: 506.7/34$

Out: 1.321 ± 0.147 $\chi^2/\text{NDF}: 619.7/37$

All: 1.248 ± 0.105 $\chi^2/\text{NDF}: 1126.9/72$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -49.985 ± 0.215 χ^2/NDF : 1480.3/19

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

Left In: -51.073 ± 0.218 χ^2/NDF : 1208.4/18

Left: -50.520 ± 0.153 χ^2/NDF : 2701.4/38

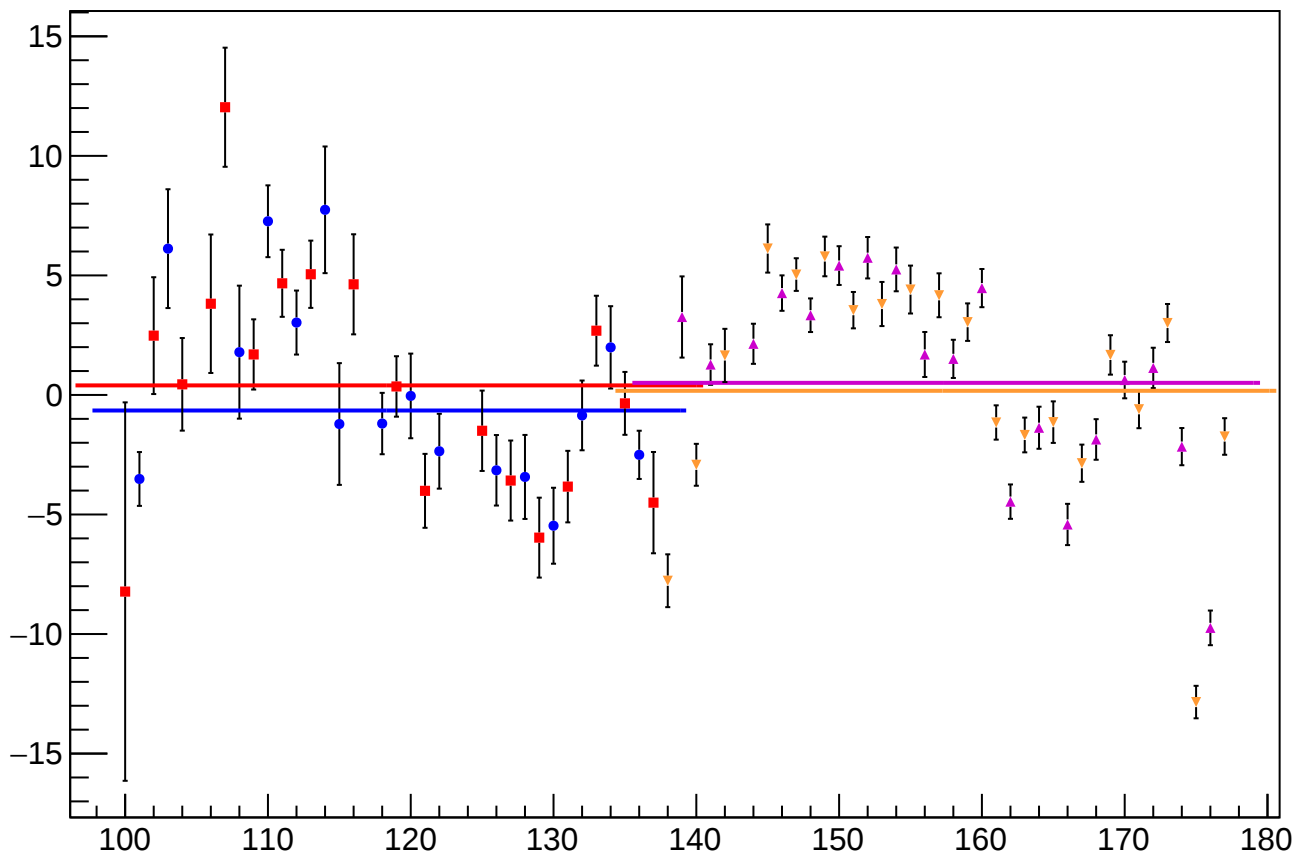
Right: -52.303 ± 0.435 χ^2/NDF : 464.6/33

In: -51.200 ± 0.206 χ^2/NDF : 1442.0/34

Out: -50.248 ± 0.203 χ^2/NDF : 1728.0/37

All: -50.717 ± 0.144 χ^2/NDF : 3180.9/72

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.651 ± 0.387 $\chi^2/\text{NDF}: 81.9/15$

Left Out: 0.173 ± 0.184 $\chi^2/\text{NDF}: 700.6/19$

Right Out: 0.400 ± 0.399 $\chi^2/\text{NDF}: 95.9/17$

Left In: 0.506 ± 0.189 $\chi^2/\text{NDF}: 496.4/18$

Left: 0.335 ± 0.132 $\chi^2/\text{NDF}: 1198.6/38$

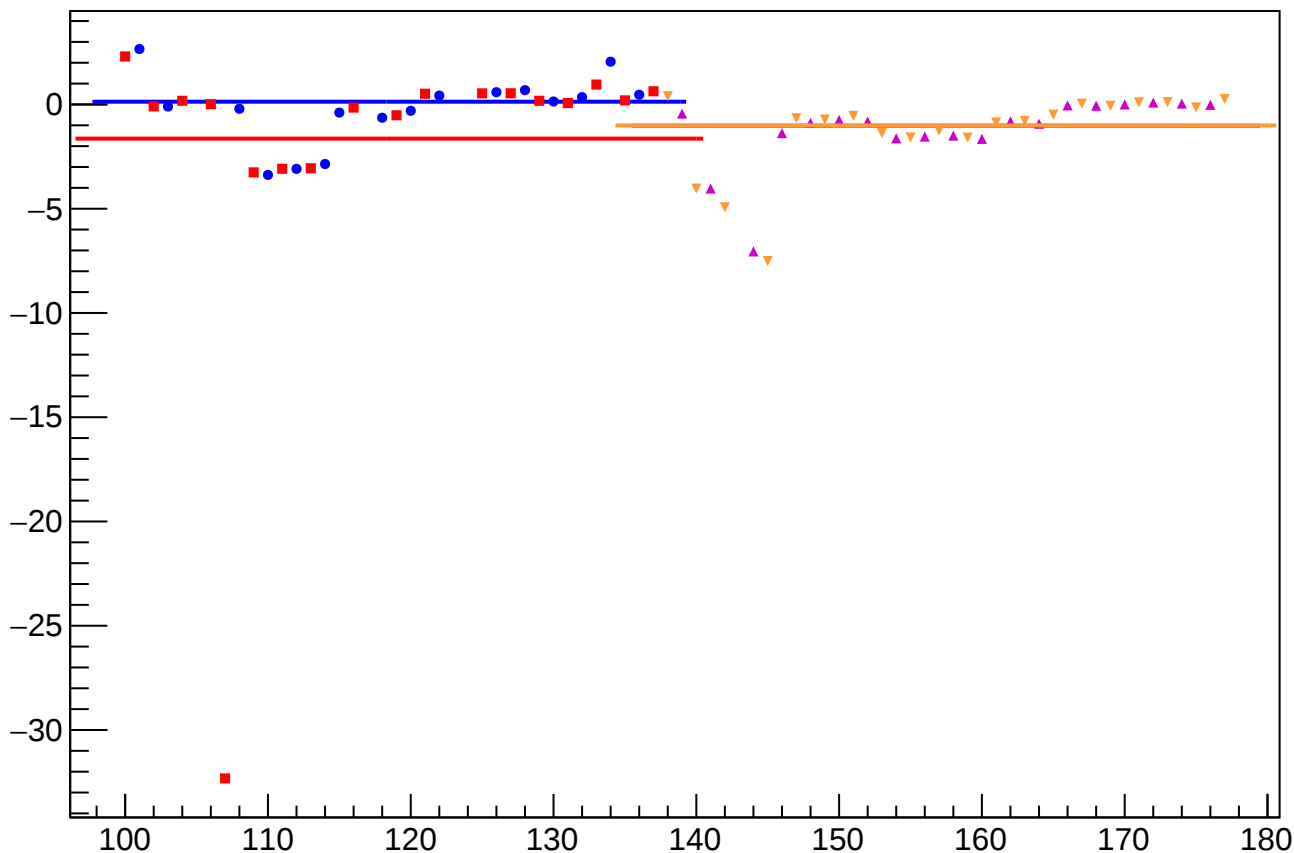
Right: -0.142 ± 0.278 $\chi^2/\text{NDF}: 181.4/33$

In: 0.283 ± 0.170 $\chi^2/\text{NDF}: 585.5/34$

Out: 0.213 ± 0.167 $\chi^2/\text{NDF}: 796.8/37$

All: 0.247 ± 0.119 $\chi^2/\text{NDF}: 1382.4/72$

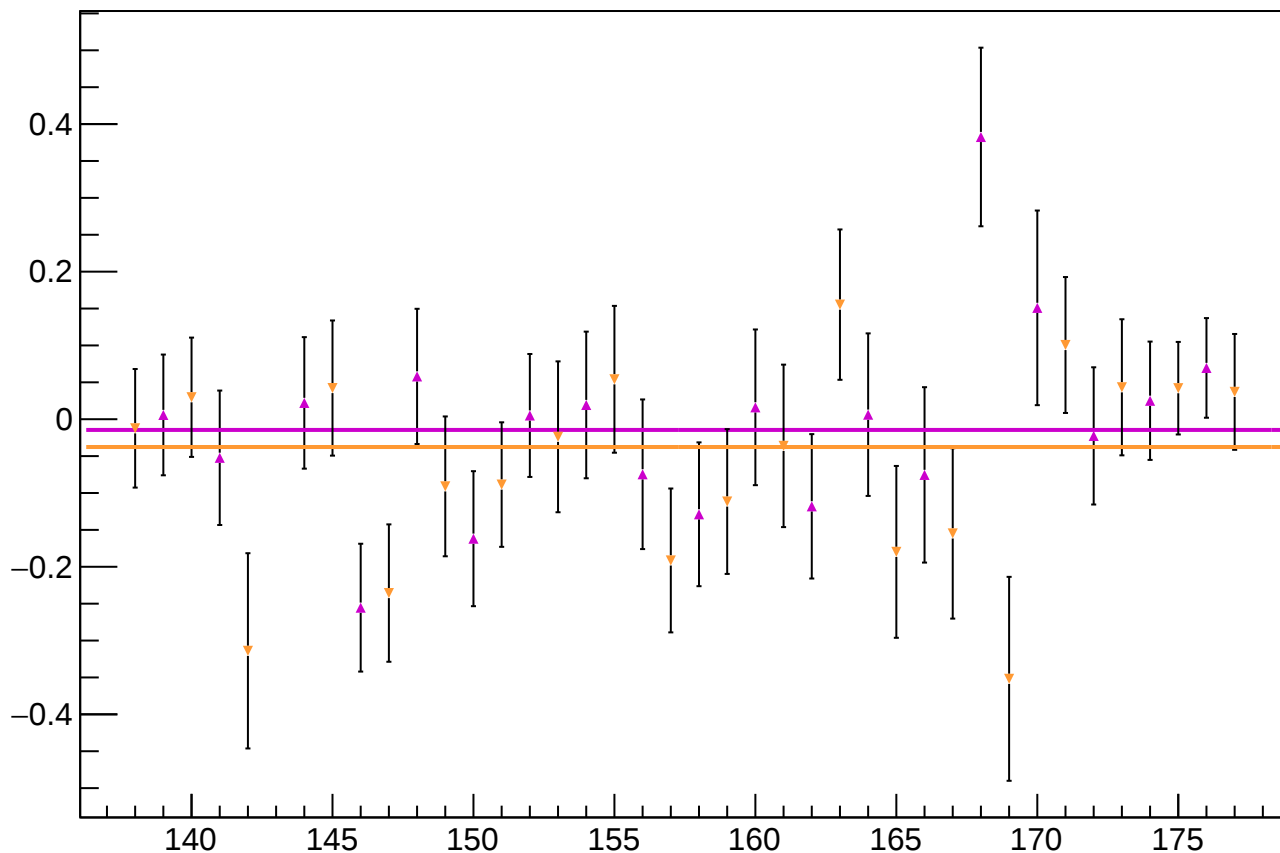
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$
 Left Out: -1.007 ± 0.008 $\chi^2/\text{NDF}: 40243.6/19$
 Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$
 Left In: -1.018 ± 0.009 $\chi^2/\text{NDF}: 28719.8/18$

Left: -1.013 ± 0.006 $\chi^2/\text{NDF}: 68964.3/38$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -0.863 ± 0.008 $\chi^2/\text{NDF}: 36427.7/34$
 Out: -1.090 ± 0.008 $\chi^2/\text{NDF}: 118817.3/37$
 All: -0.977 ± 0.006 $\chi^2/\text{NDF}: 155656.6/72$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.038+/-0.021 χ^2/NDF : 31.9/19

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

Left In: -0.015+/-0.021 χ^2/NDF : 28.9/18

Left: -0.026+/-0.015 χ^2/NDF : 61.3/38

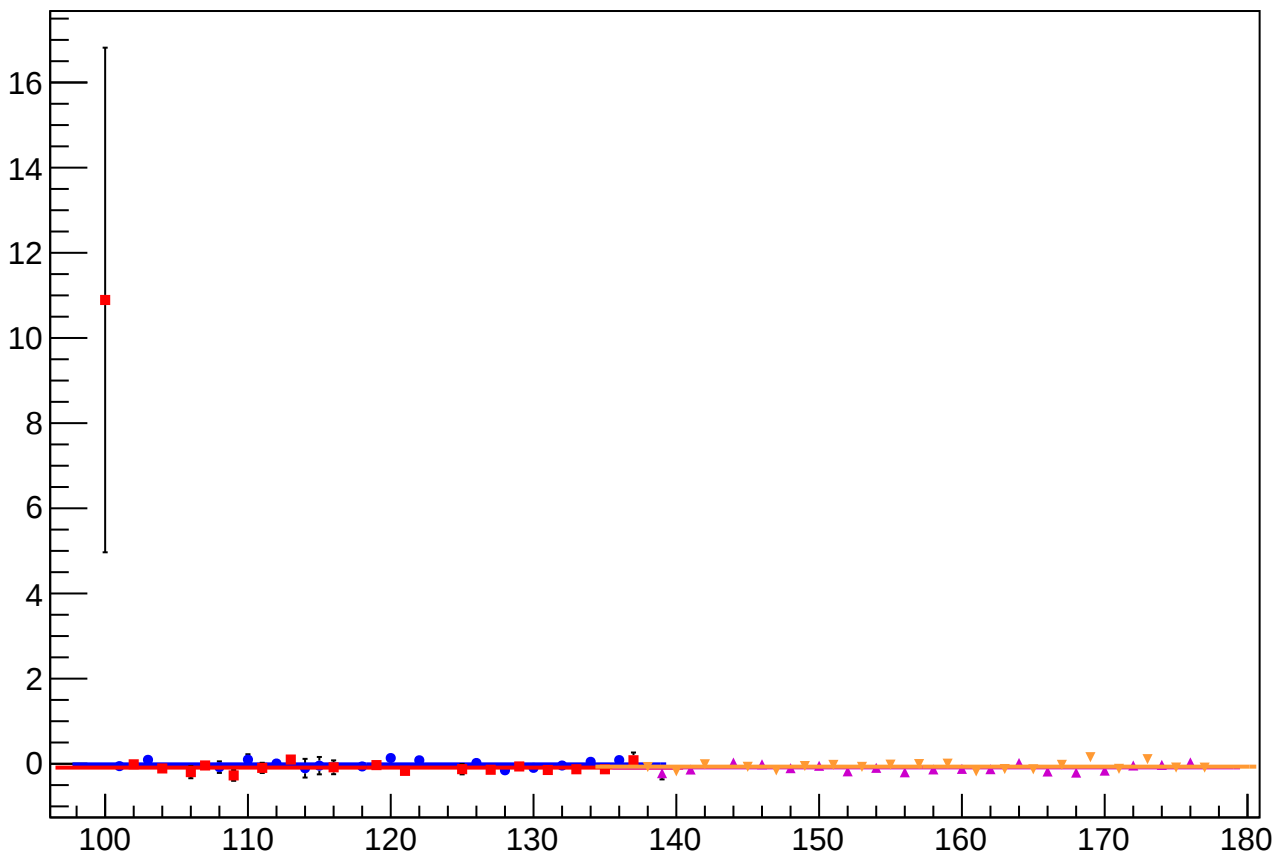
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.015+/-0.021 χ^2/NDF : 28.9/18

Out: -0.038+/-0.021 χ^2/NDF : 31.9/19

All: -0.026+/-0.015 χ^2/NDF : 61.3/38

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: -0.067 ± 0.015 χ^2/NDF : 25.3/19

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

Left In: -0.084 ± 0.016 χ^2/NDF : 21.6/18

Left: -0.075 ± 0.011 χ^2/NDF : 47.5/38

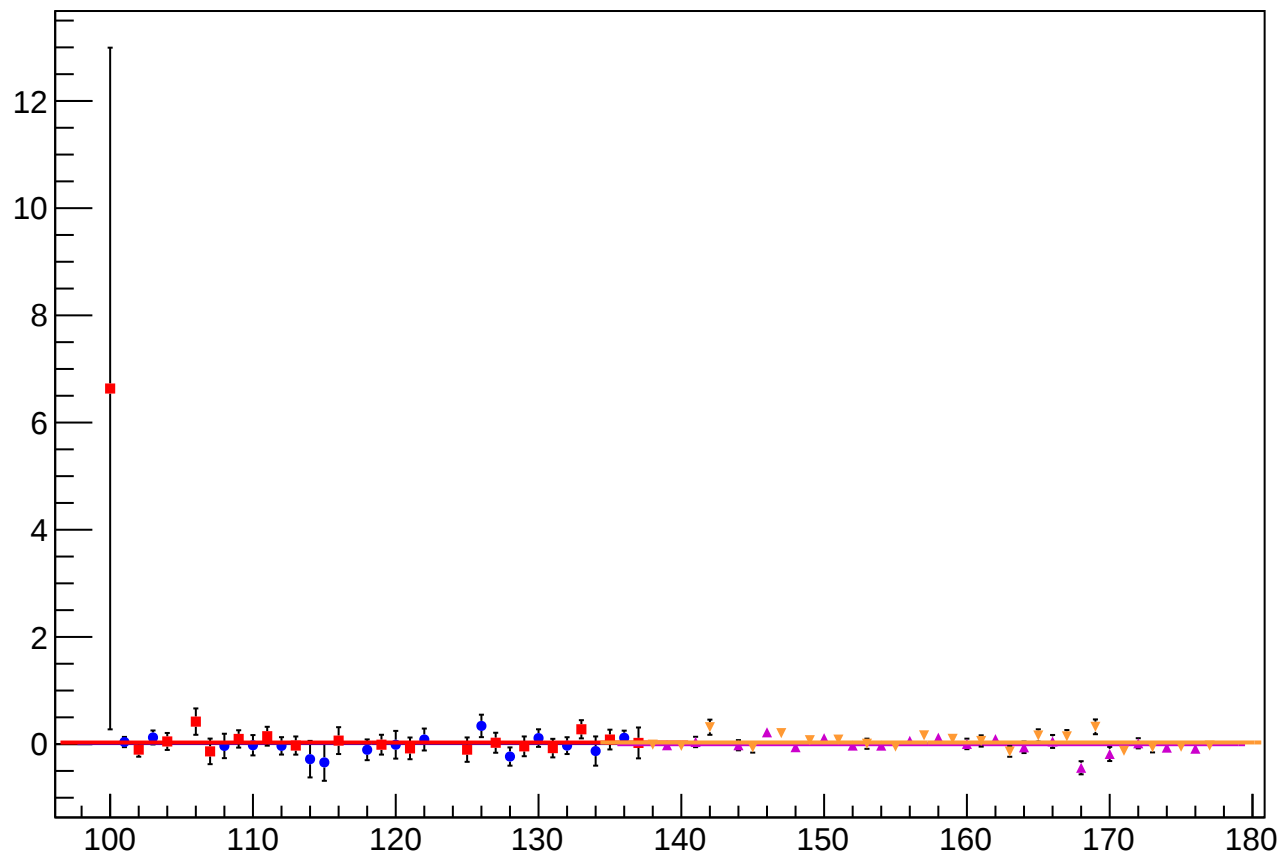
Right: -0.049 ± 0.017 χ^2/NDF : 29.6/33

In: -0.062 ± 0.013 χ^2/NDF : 39.6/34

Out: -0.073 ± 0.013 χ^2/NDF : 38.8/37

All: -0.068 ± 0.009 χ^2/NDF : 78.7/72

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: 0.031 $\pm$ 0.021 χ^2 /NDF: 29.4/19

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

Left In: -0.001 $\pm$ 0.021 χ^2 /NDF: 30.4/18

Left: 0.015 $\pm$ 0.015 χ^2 /NDF: 61.0/38

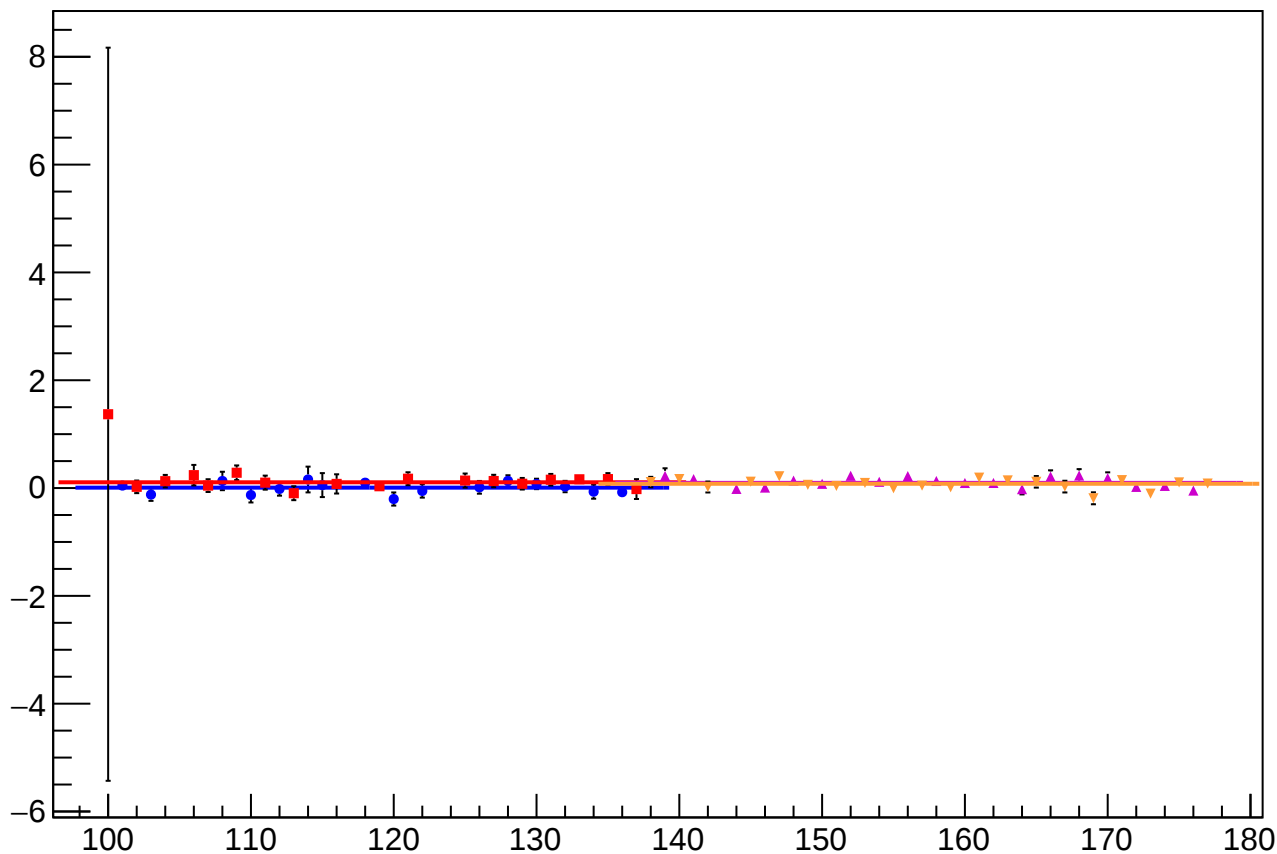
Right: 0.025 $\pm$ 0.031 χ^2 /NDF: 18.3/33

In: 0.003 $\pm$ 0.019 χ^2 /NDF: 39.7/34

Out: 0.031 $\pm$ 0.019 χ^2 /NDF: 38.7/37

All: 0.017 $\pm$ 0.013 χ^2 /NDF: 79.4/72

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.079 $\pm$ 0.018 χ^2 /NDF: 25.0/19

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

Left In: 0.096 $\pm$ 0.018 χ^2 /NDF: 22.5/18

Left: 0.087 $\pm$ 0.013 χ^2 /NDF: 47.9/38

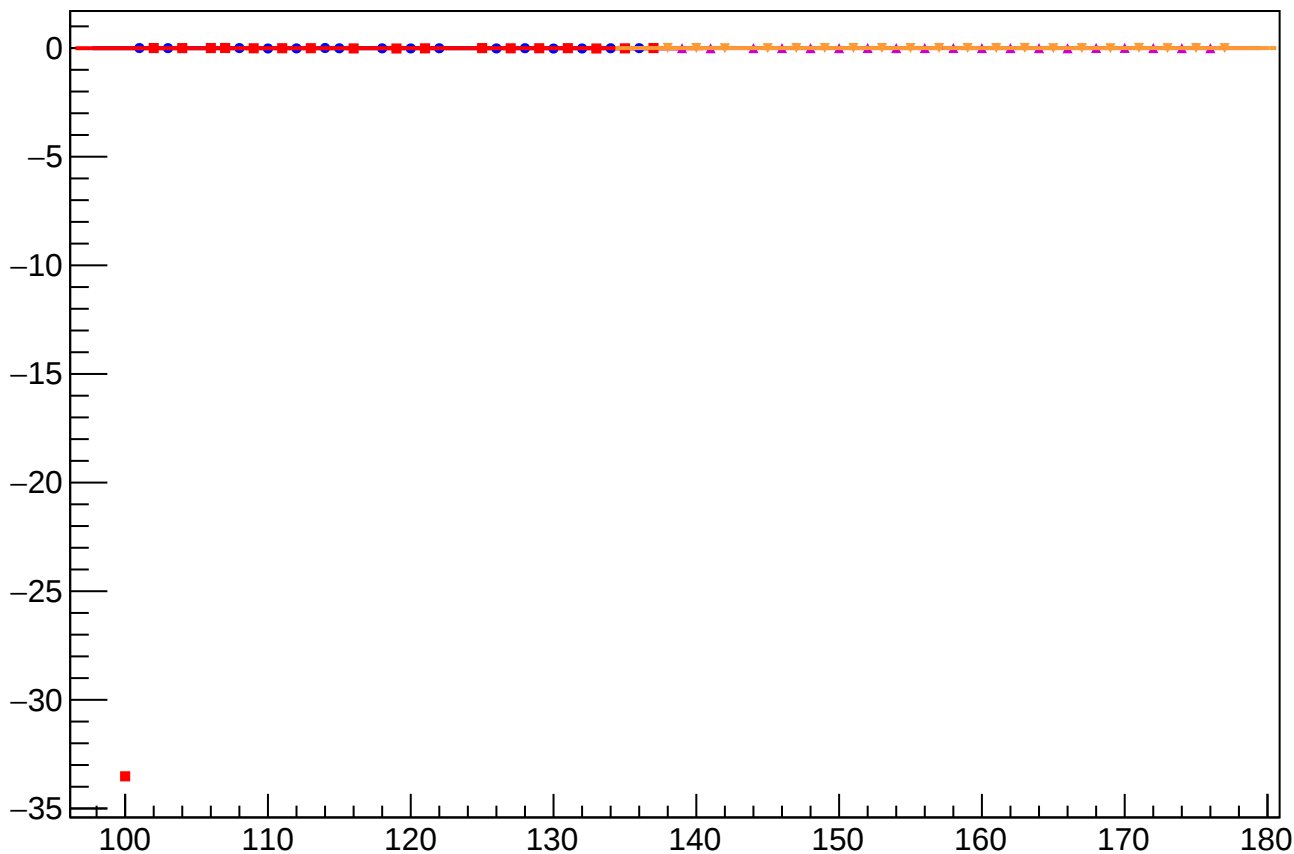
Right: 0.054 $\pm$ 0.020 χ^2 /NDF: 25.8/33

In: 0.068 $\pm$ 0.015 χ^2 /NDF: 41.1/34

Out: 0.087 $\pm$ 0.015 χ^2 /NDF: 33.8/37

All: 0.078 $\pm$ 0.011 χ^2 /NDF: 75.6/72

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF:20.2/19

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.7/17

Left In: -0.000 $\pm$ 0.001 χ^2 /NDF:17.2/18

Left: 0.000 $\pm$ 0.001 χ^2 /NDF: 37.9/38

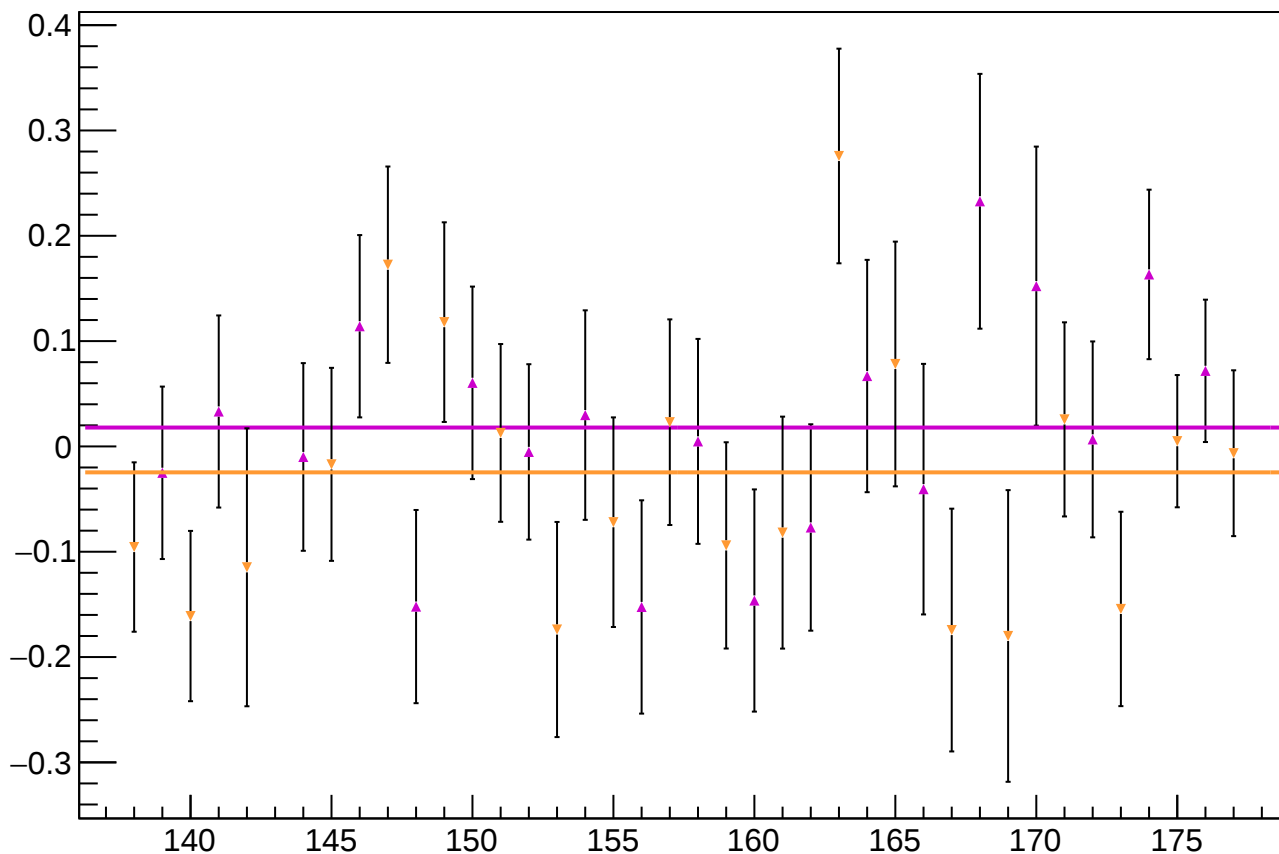
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26530.6/33

In: -0.001 $\pm$ 0.001 χ^2 /NDF:49.2/34

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26544.6/37

All: -0.001 $\pm$ 0.001 χ^2 /NDF: 26594.0/72

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.025 $\pm$ 0.021 χ^2 /NDF:29.4/19

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

Left In: 0.018 $\pm$ 0.021 χ^2 /NDF:20.1/18

Left: -0.004 $\pm$ 0.015 χ^2 /NDF: 51.5/38

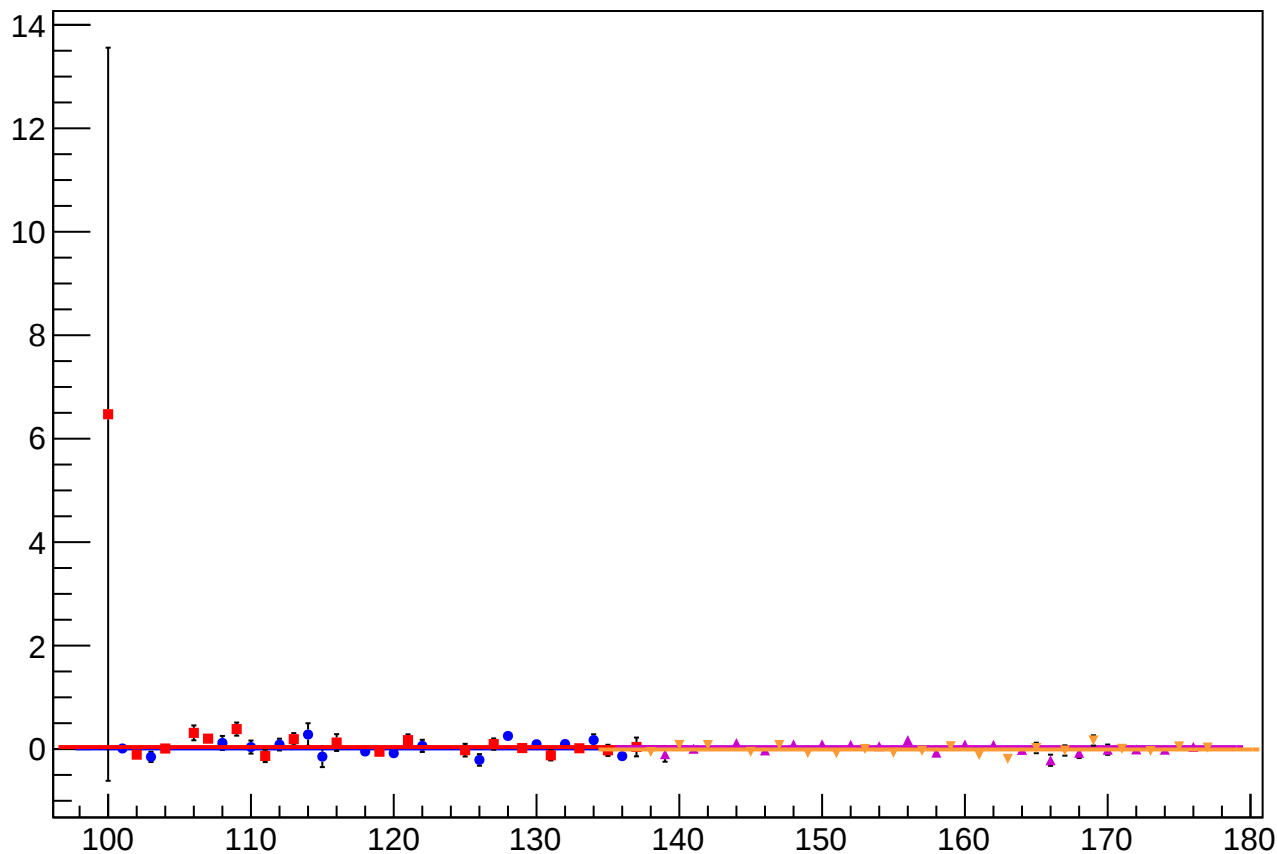
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.018 $\pm$ 0.021 χ^2 /NDF:20.1/18

Out: -0.025 $\pm$ 0.021 χ^2 /NDF:29.4/19

All: -0.004 $\pm$ 0.015 χ^2 /NDF: 51.5/38

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: -0.008 $\pm$ 0.015 χ^2 /NDF: 24.5/19

Right Out: 0.038 $\pm$ 0.025 χ^2 /NDF: 28.4/17

Left In: 0.037 $\pm$ 0.016 χ^2 /NDF: 22.0/18

Left: 0.014 $\pm$ 0.011 χ^2 /NDF: 50.7/38

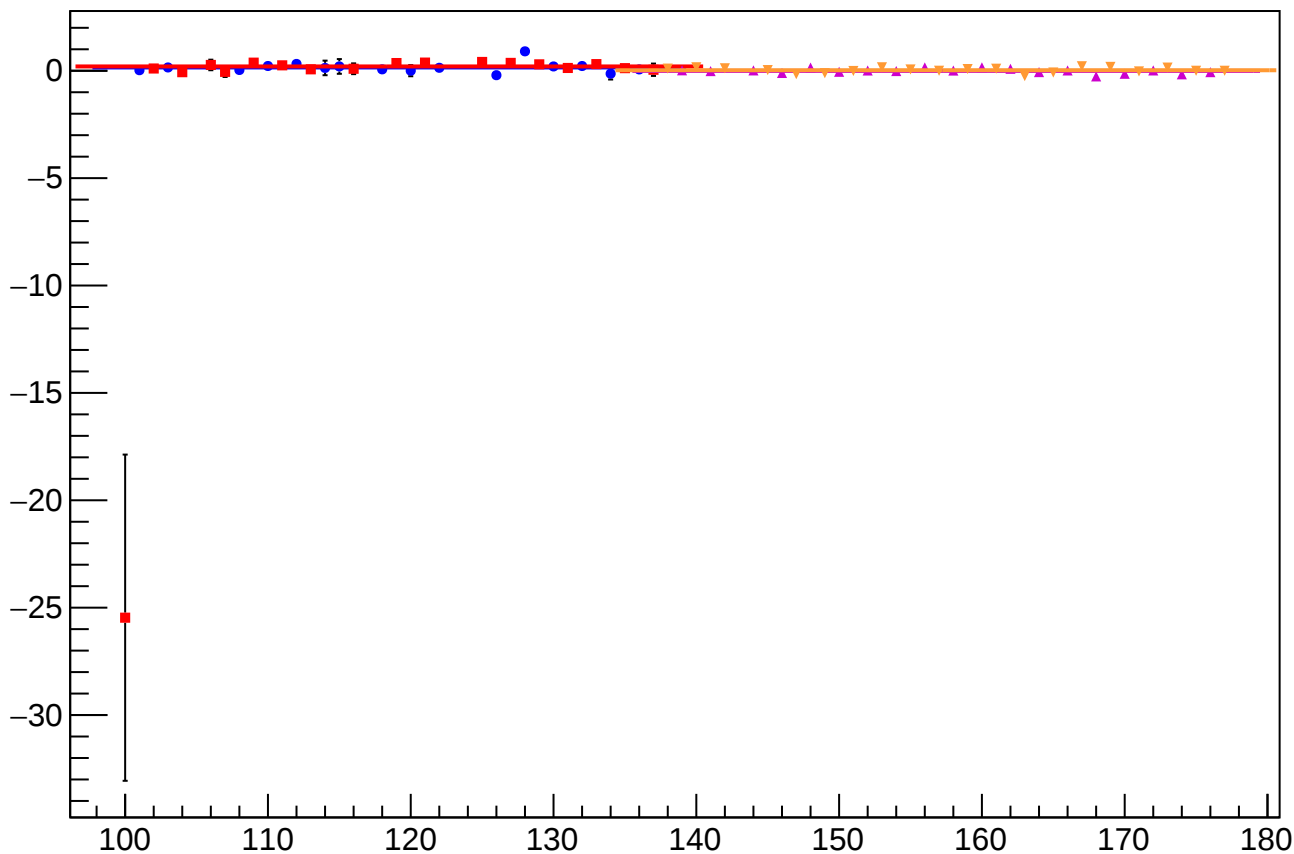
Right: 0.025 $\pm$ 0.017 χ^2 /NDF: 54.0/33

In: 0.029 $\pm$ 0.013 χ^2 /NDF: 47.8/34

Out: 0.005 $\pm$ 0.013 χ^2 /NDF: 55.5/37

All: 0.017 $\pm$ 0.009 χ^2 /NDF: 105.0/72

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: 0.024+/-0.021 χ^2/NDF : 28.5/19

Right Out: 0.201+/-0.045 χ^2/NDF : 22.6/17

Left In: -0.007+/-0.021 χ^2/NDF : 21.8/18

Left: 0.009+/-0.015 χ^2/NDF : 51.4/38

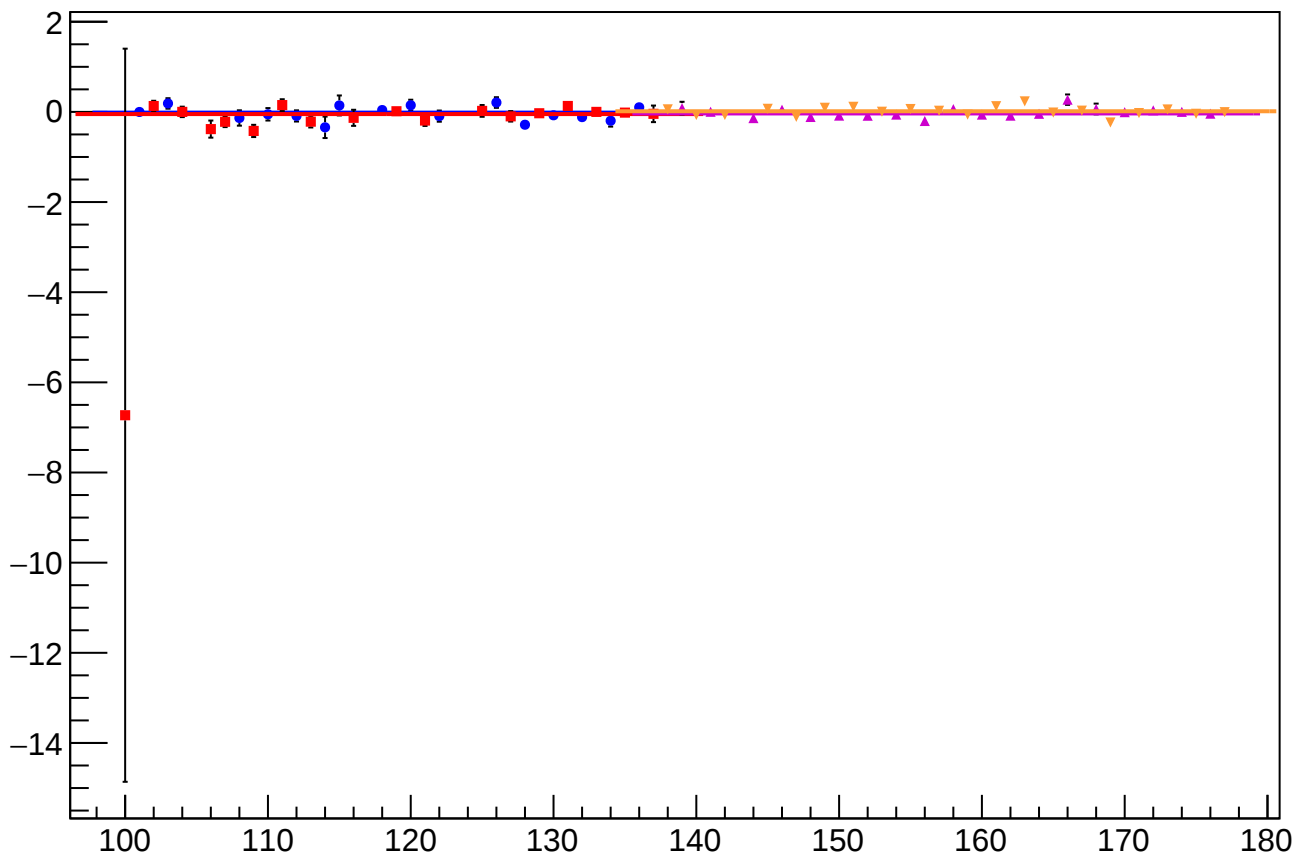
Right: 0.177+/-0.031 χ^2/NDF : 51.1/33

In: 0.024+/-0.019 χ^2/NDF : 61.1/34

Out: 0.054+/-0.019 χ^2/NDF : 63.9/37

All: 0.040+/-0.013 χ^2/NDF : 126.3/72

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.014 ± 0.018 χ^2/NDF : 27.1/19

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

Left In: -0.034 ± 0.018 χ^2/NDF : 22.5/18

Left: -0.009 ± 0.013 χ^2/NDF : 53.3/38

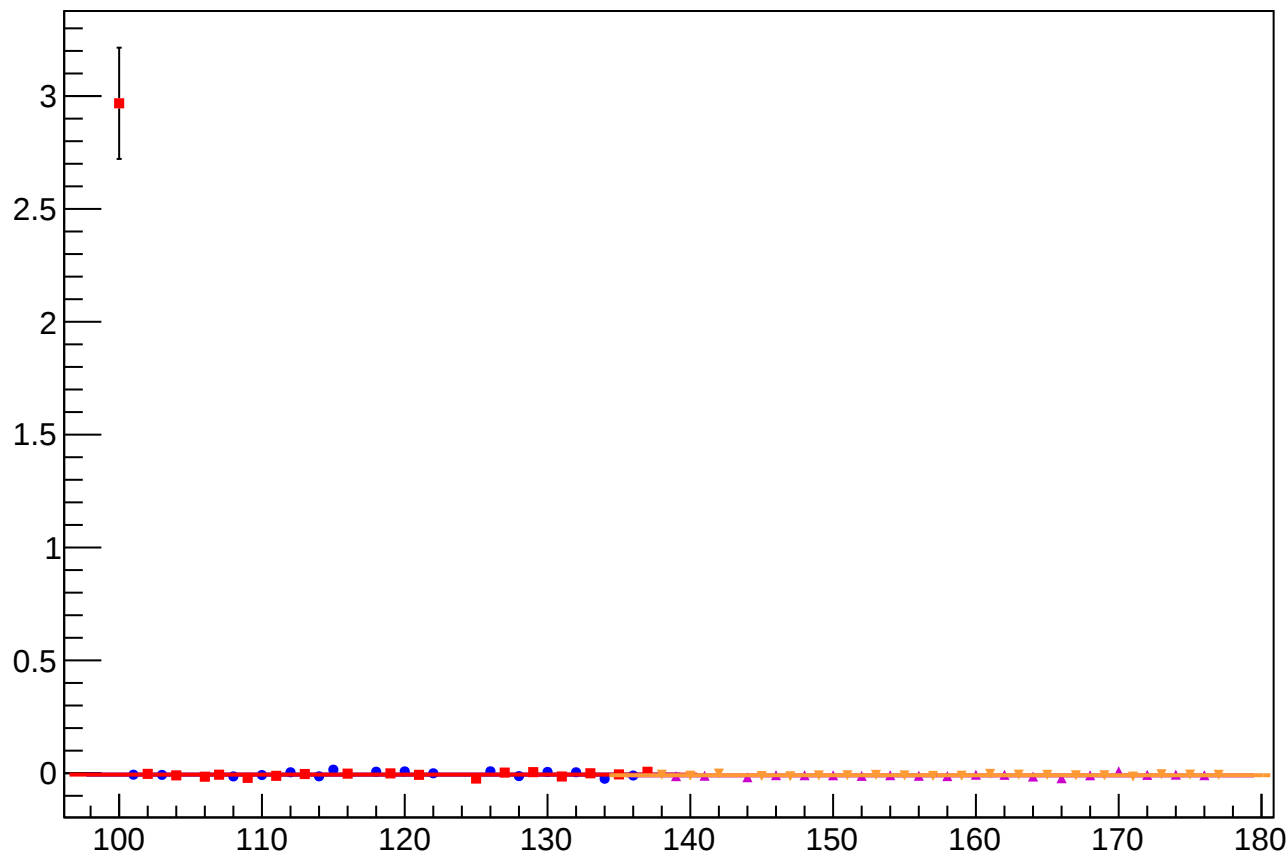
Right: -0.031 ± 0.020 χ^2/NDF : 51.0/33

In: -0.029 ± 0.015 χ^2/NDF : 47.2/34

Out: -0.003 ± 0.015 χ^2/NDF : 56.6/37

All: -0.016 ± 0.011 χ^2/NDF : 105.1/72

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 27.3/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF:15.5/19

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 165.9/17

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:30.7/18

Left: -0.009 $\pm$ 0.001 χ^2 /NDF: 46.5/38

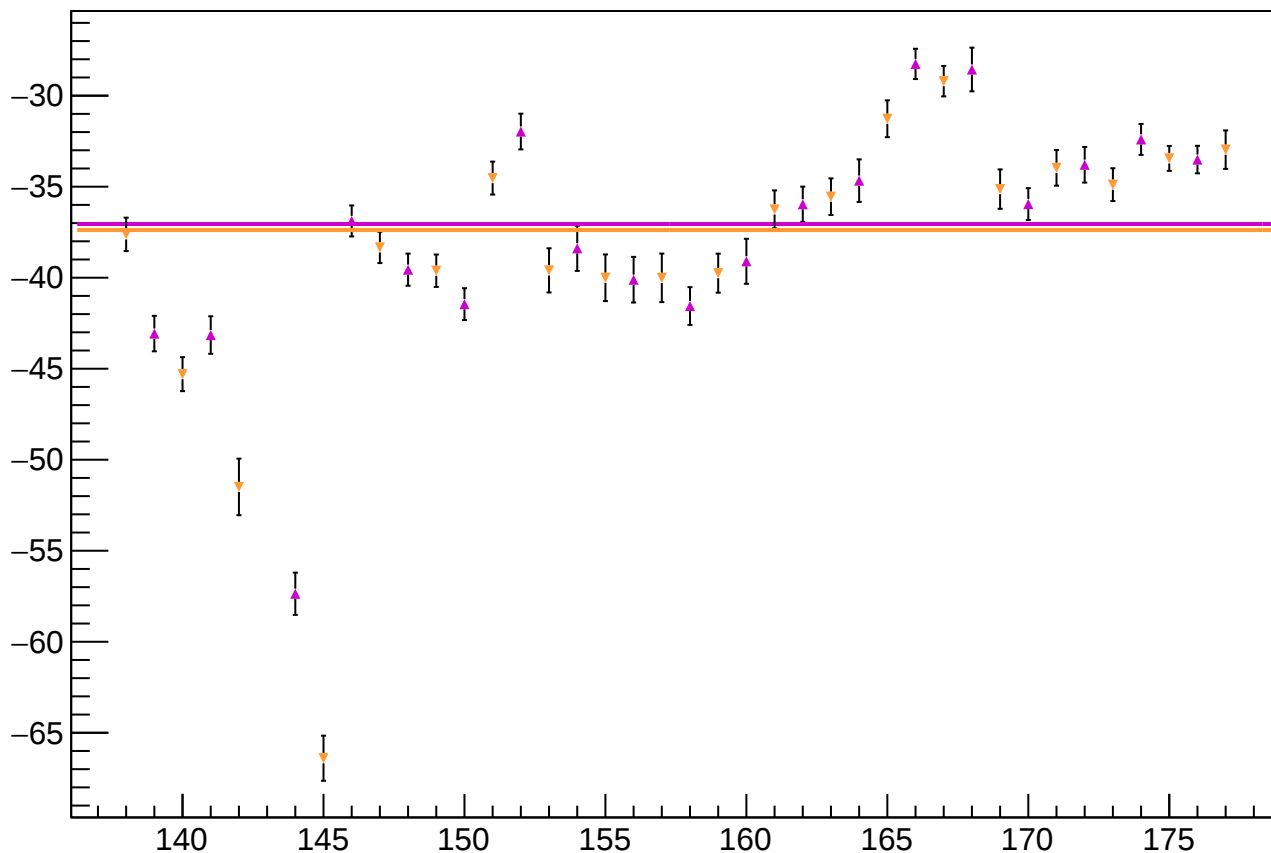
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 193.3/33

In: -0.009 $\pm$ 0.001 χ^2 /NDF:62.2/34

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:184.4/37

All: -0.008 $\pm$ 0.001 χ^2 /NDF: 246.9/72

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -37.382+/-0.221 χ^2/NDF : 947.4/19

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

Left In: -37.050+/-0.223 χ^2/NDF : 700.4/18

Left: -37.217+/-0.157 χ^2/NDF : 1649.0/38

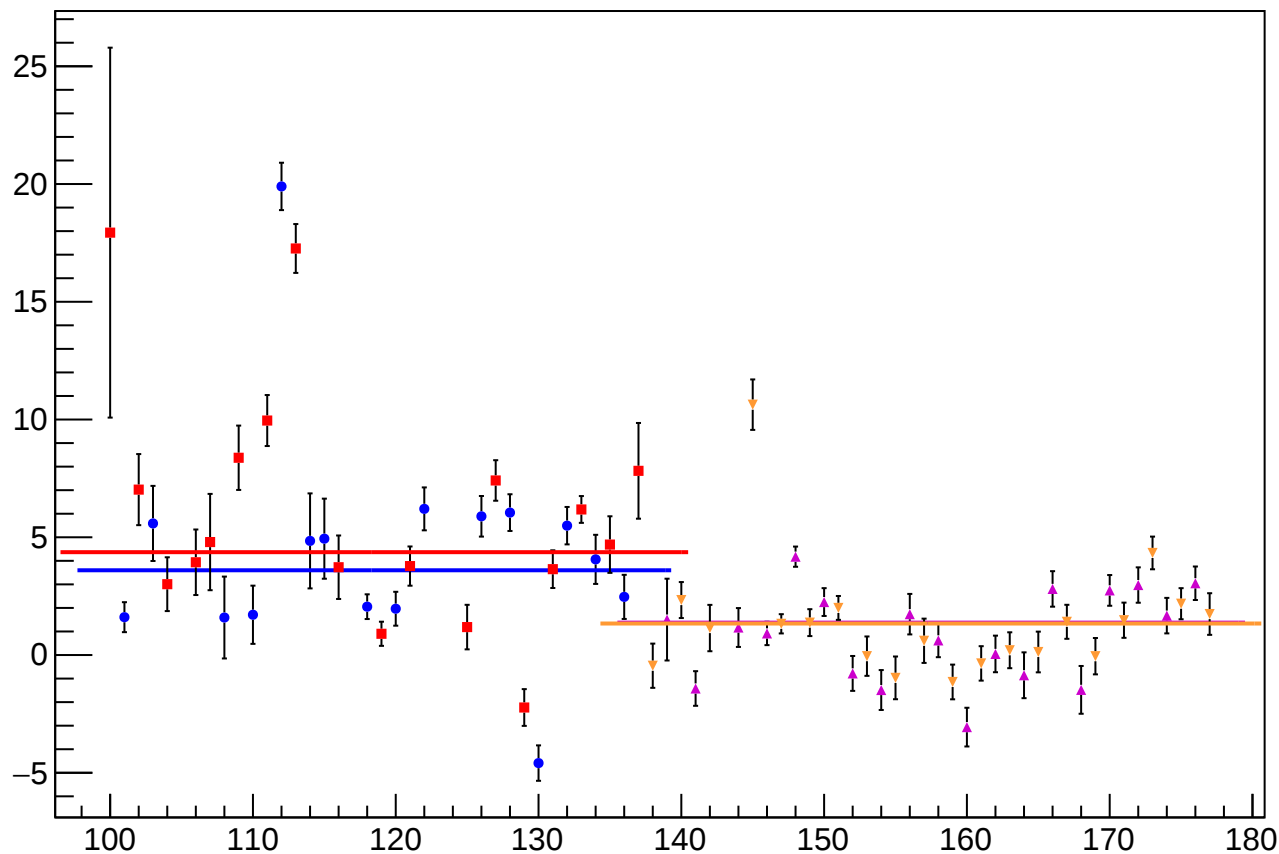
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.050+/-0.223 χ^2/NDF : 700.4/18

Out: -37.382+/-0.221 χ^2/NDF : 947.4/19

All: -37.217+/-0.157 χ^2/NDF : 1649.0/38

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: 1.338 $\pm$ 0.160 χ^2 /NDF:136.8/19

Right Out: 4.367 $\pm$ 0.225 χ^2 /NDF: 353.1/17

Left In: 1.376 $\pm$ 0.164 χ^2 /NDF:144.8/18

Left: 1.356 $\pm$ 0.114 χ^2 /NDF: 281.6/38

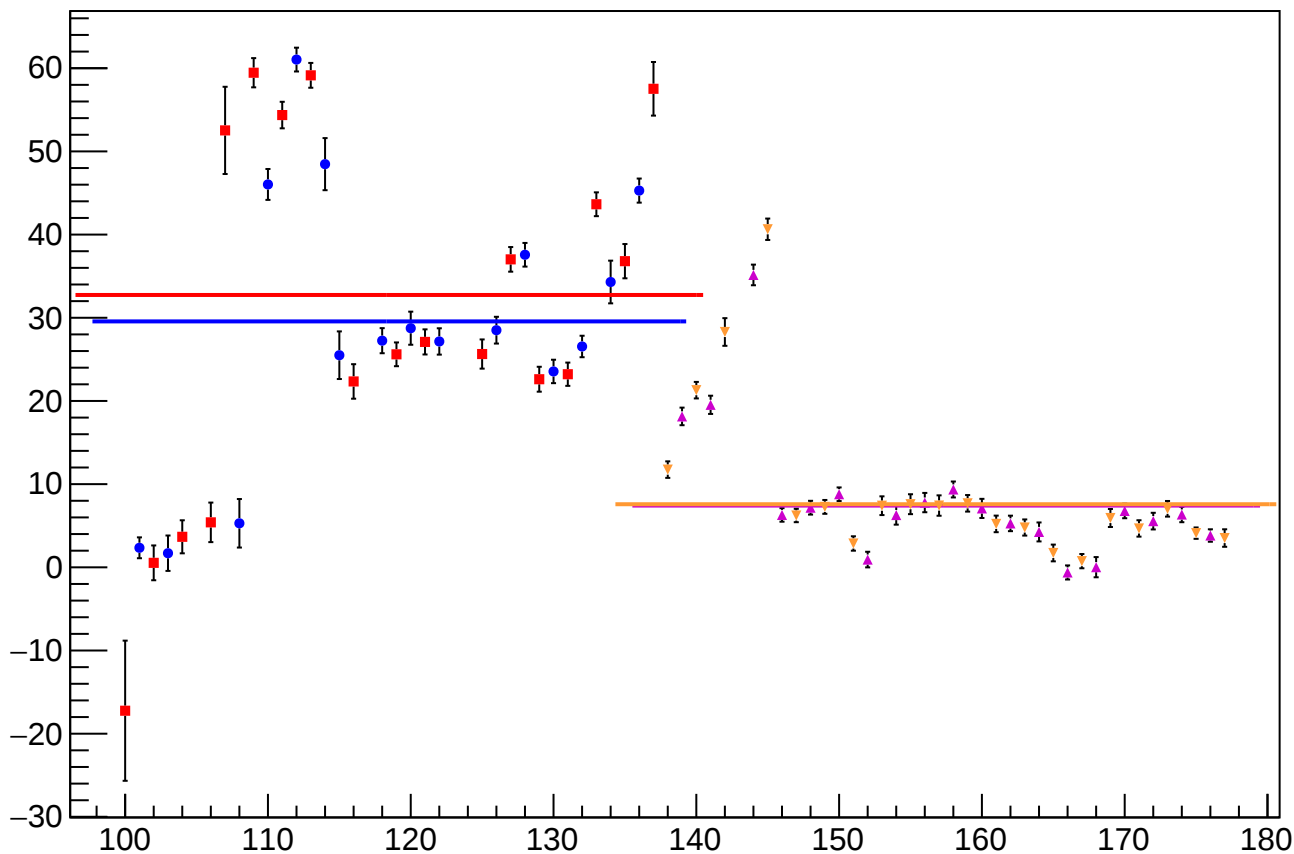
Right: 3.975 $\pm$ 0.157 χ^2 /NDF: 802.5/33

In: 2.167 $\pm$ 0.131 χ^2 /NDF:653.8/34

Out: 2.353 $\pm$ 0.130 χ^2 /NDF:610.6/37

All: 2.261 $\pm$ 0.092 χ^2 /NDF: 1265.5/72

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 $\pm$ 0.420 χ^2/NDF : 1494.6/15

Left Out: 7.585 $\pm$ 0.218 χ^2/NDF :1220.0/19

Right Out: 32.741 $\pm$ 0.423 χ^2/NDF : 1663.3/17

Left In: 7.424 $\pm$ 0.220 χ^2/NDF :951.2/18

Left: 7.505 $\pm$ 0.155 χ^2/NDF : 2171.5/38

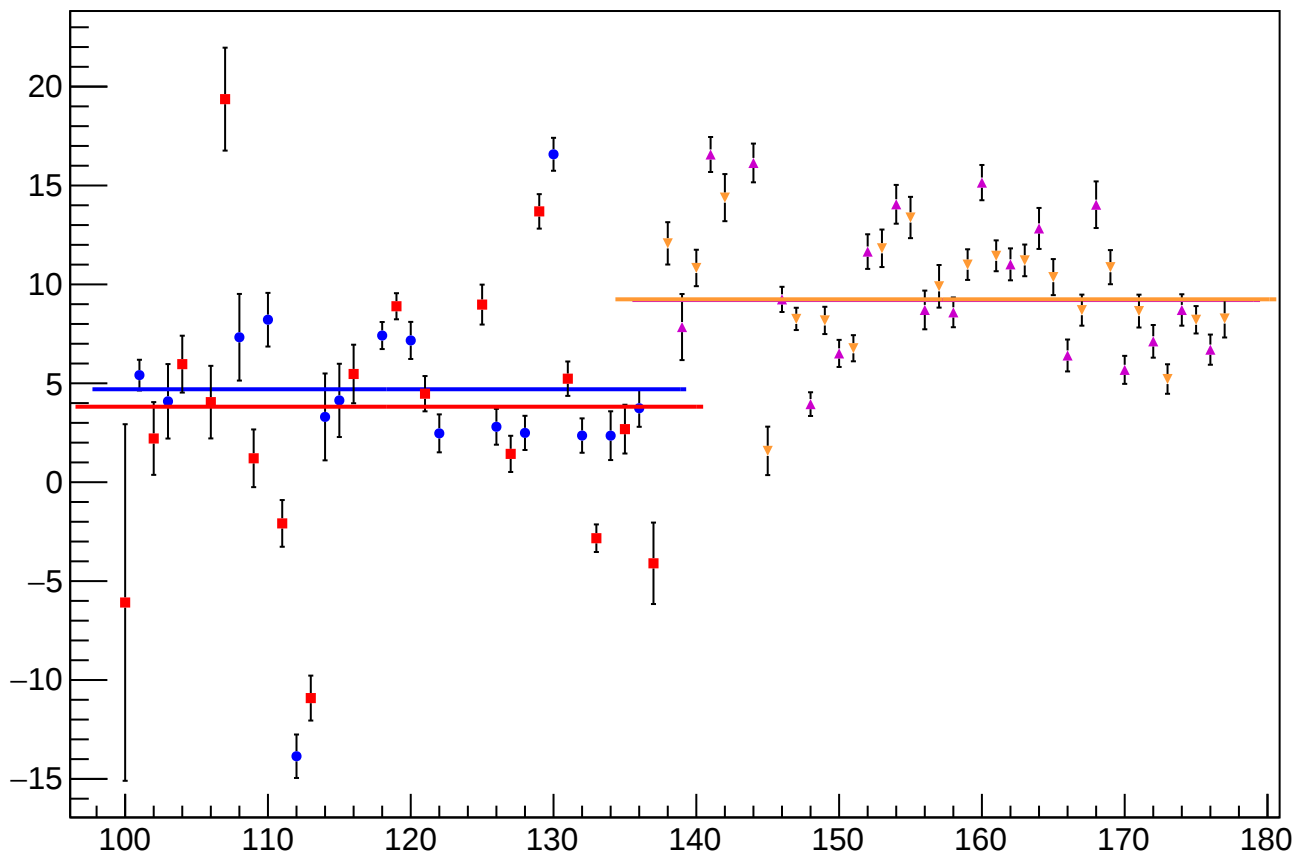
Right: 31.140 $\pm$ 0.298 χ^2/NDF : 3186.3/33

In: 12.215 $\pm$ 0.195 χ^2/NDF :4628.0/34

Out: 12.886 $\pm$ 0.194 χ^2/NDF :5678.2/37

All: 12.553 $\pm$ 0.138 χ^2/NDF : 10312.1/72

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 9.246 ± 0.185 $\chi^2/\text{NDF}: 168.3/19$

Right Out: 3.817 ± 0.258 $\chi^2/\text{NDF}: 567.6/17$

Left In: 9.210 ± 0.189 $\chi^2/\text{NDF}: 378.4/18$

Left: 9.228 ± 0.132 $\chi^2/\text{NDF}: 546.7/38$

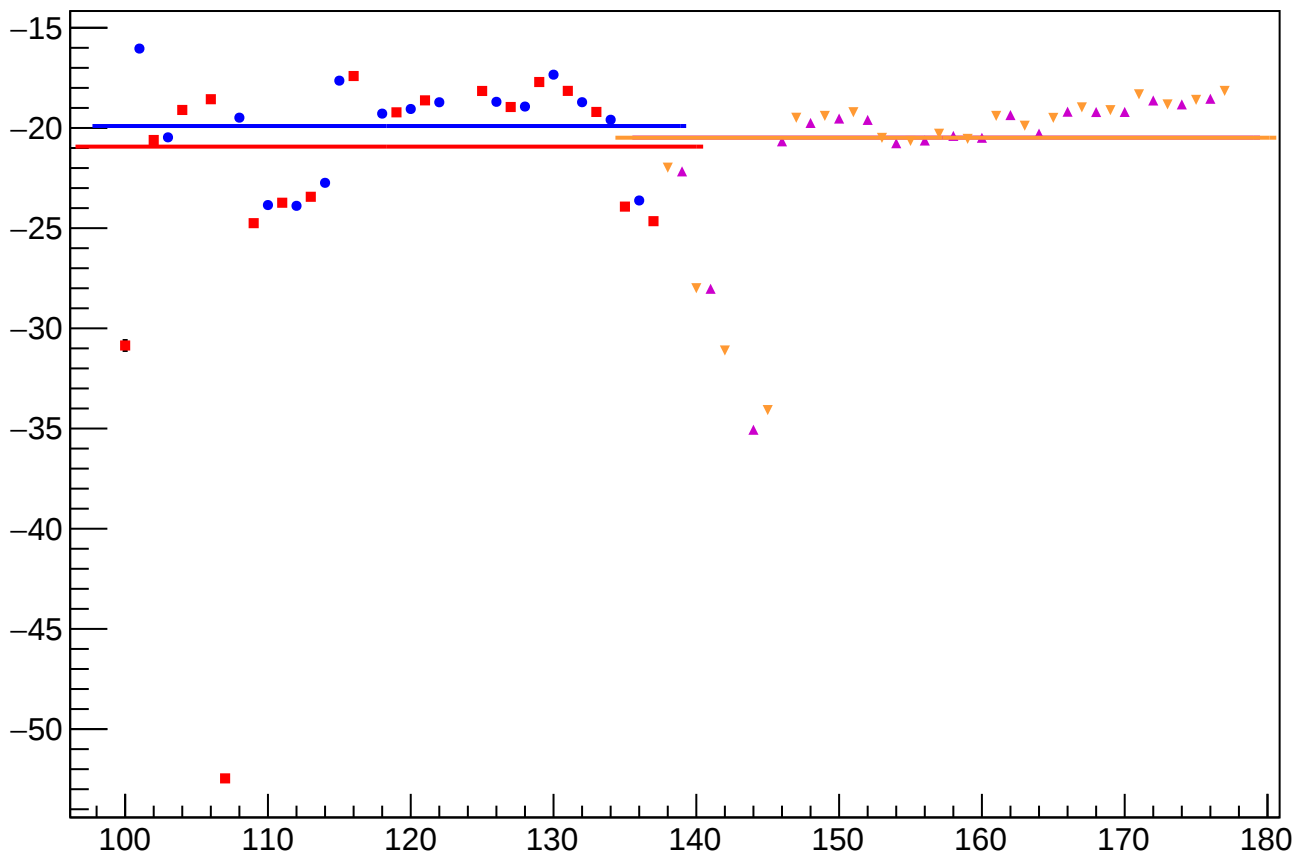
Right: 4.265 ± 0.181 $\chi^2/\text{NDF}: 1122.4/33$

In: 7.601 ± 0.152 $\chi^2/\text{NDF}: 1130.2/34$

Out: 7.411 ± 0.150 $\chi^2/\text{NDF}: 1028.0/37$

All: 7.505 ± 0.107 $\chi^2/\text{NDF}: 2159.0/72$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -20.486 ± 0.009 $\chi^2/\text{NDF}: 148201.1/19$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

Left In: -20.481 ± 0.009 $\chi^2/\text{NDF}: 117611.8/18$

Left: -20.483 ± 0.006 $\chi^2/\text{NDF}: 265813.1/38$

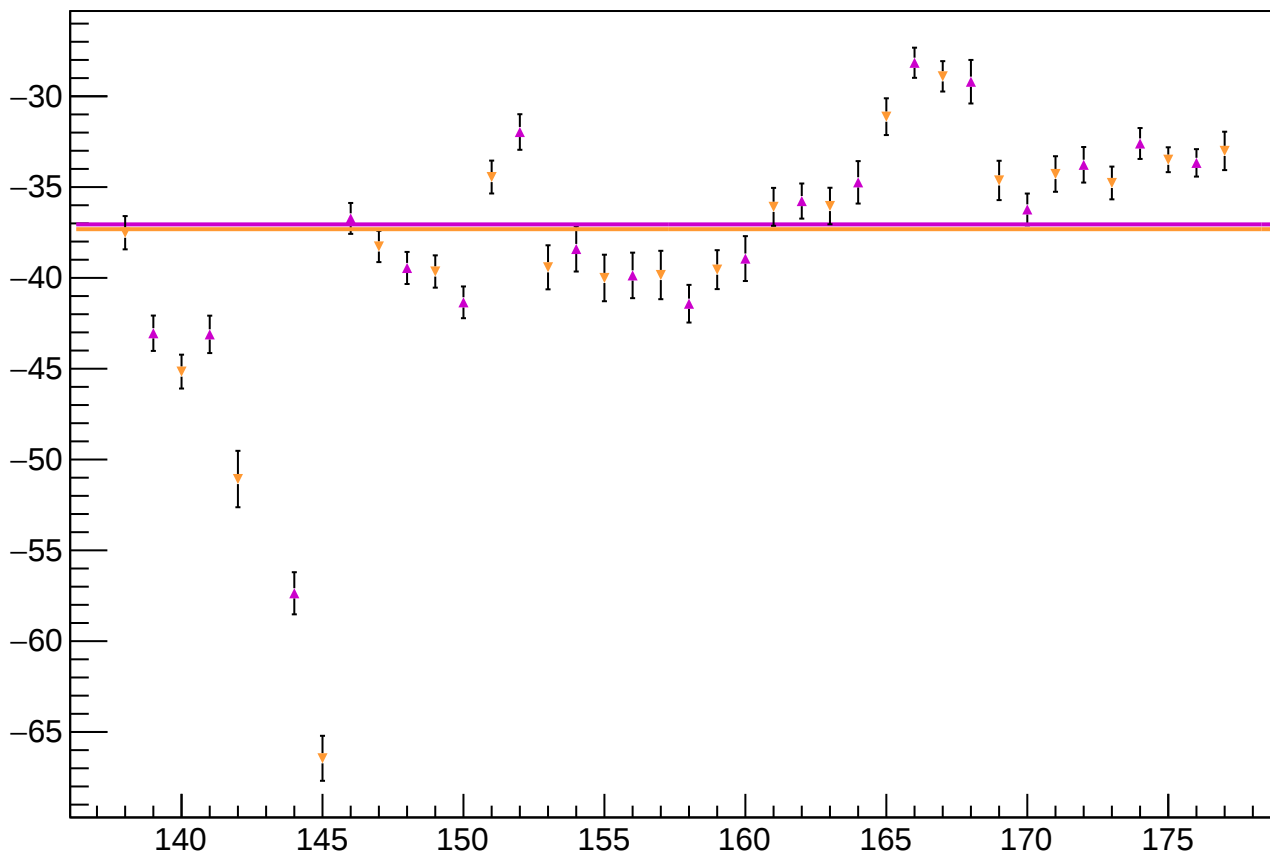
Right: -20.414 ± 0.011 $\chi^2/\text{NDF}: 122212.6/33$

In: -20.344 ± 0.008 $\chi^2/\text{NDF}: 144709.1/34$

Out: -20.591 ± 0.008 $\chi^2/\text{NDF}: 242821.5/37$

All: -20.467 ± 0.005 $\chi^2/\text{NDF}: 388055.4/72$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -37.318 $\pm$ 0.221 χ^2 /NDF:949.1/19

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

Left In: -37.054 $\pm$ 0.223 χ^2 /NDF:687.1/18

Left: -37.187 $\pm$ 0.157 χ^2 /NDF: 1636.9/38

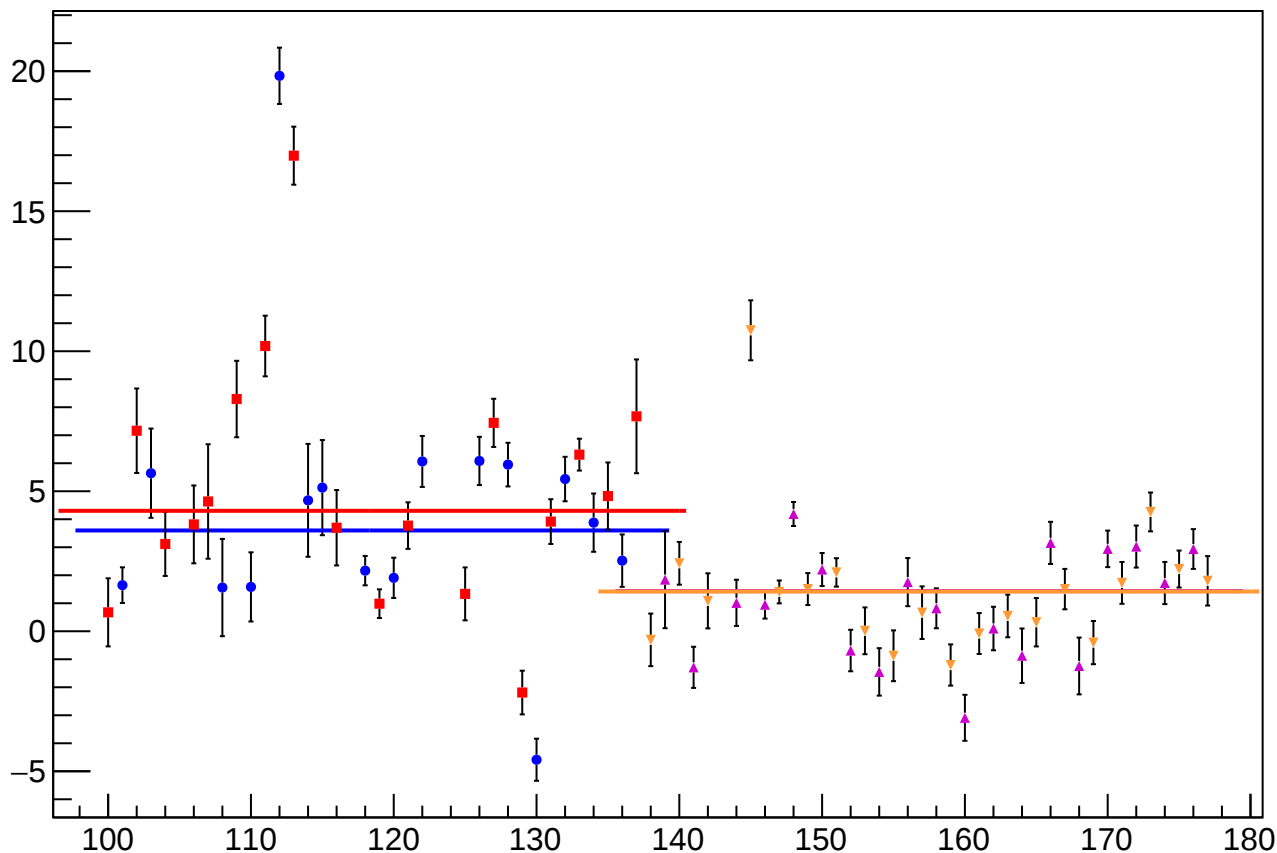
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -37.054 $\pm$ 0.223 χ^2 /NDF:687.1/18

Out: -37.318 $\pm$ 0.221 χ^2 /NDF:949.1/19

All: -37.187 $\pm$ 0.157 χ^2 /NDF: 1636.9/38

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 440.3/15$

Left Out: 1.419 ± 0.159 $\chi^2/\text{NDF}: 136.9/19$

Right Out: 4.301 ± 0.221 $\chi^2/\text{NDF}: 352.1/17$

Left In: 1.433 ± 0.164 $\chi^2/\text{NDF}: 144.2/18$

Left: 1.426 ± 0.114 $\chi^2/\text{NDF}: 281.1/38$

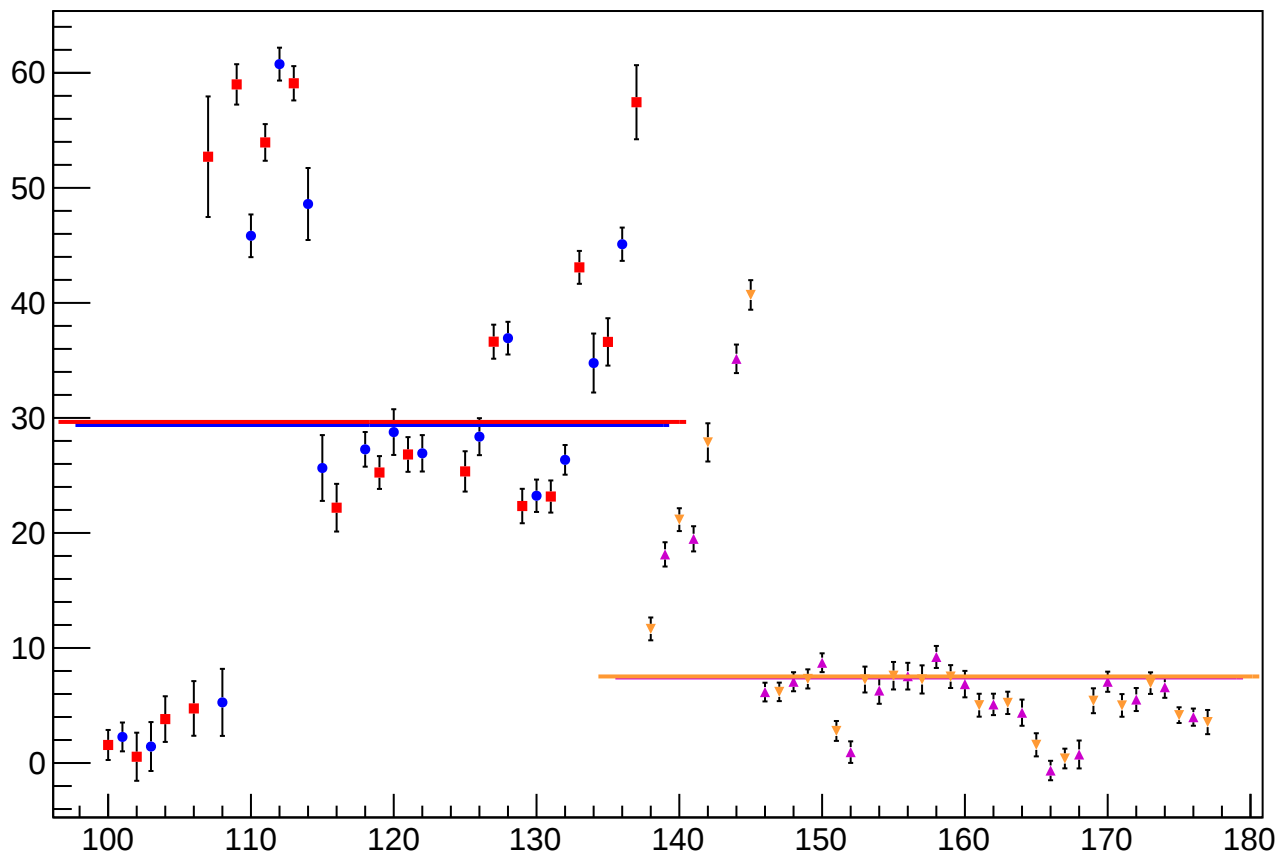
Right: 3.949 ± 0.156 $\chi^2/\text{NDF}: 797.4/33$

In: 2.204 ± 0.131 $\chi^2/\text{NDF}: 646.8/34$

Out: 2.406 ± 0.129 $\chi^2/\text{NDF}: 600.8/37$

All: 2.306 ± 0.092 $\chi^2/\text{NDF}: 1248.9/72$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 ± 0.419 χ^2/NDF : 1488.6/15

Left Out: 7.524 ± 0.218 χ^2/NDF : 1219.9/19

Right Out: 29.652 ± 0.402 χ^2/NDF : 2131.0/17

Left In: 7.436 ± 0.220 χ^2/NDF : 942.1/18

Left: 7.480 ± 0.155 χ^2/NDF : 2162.0/38

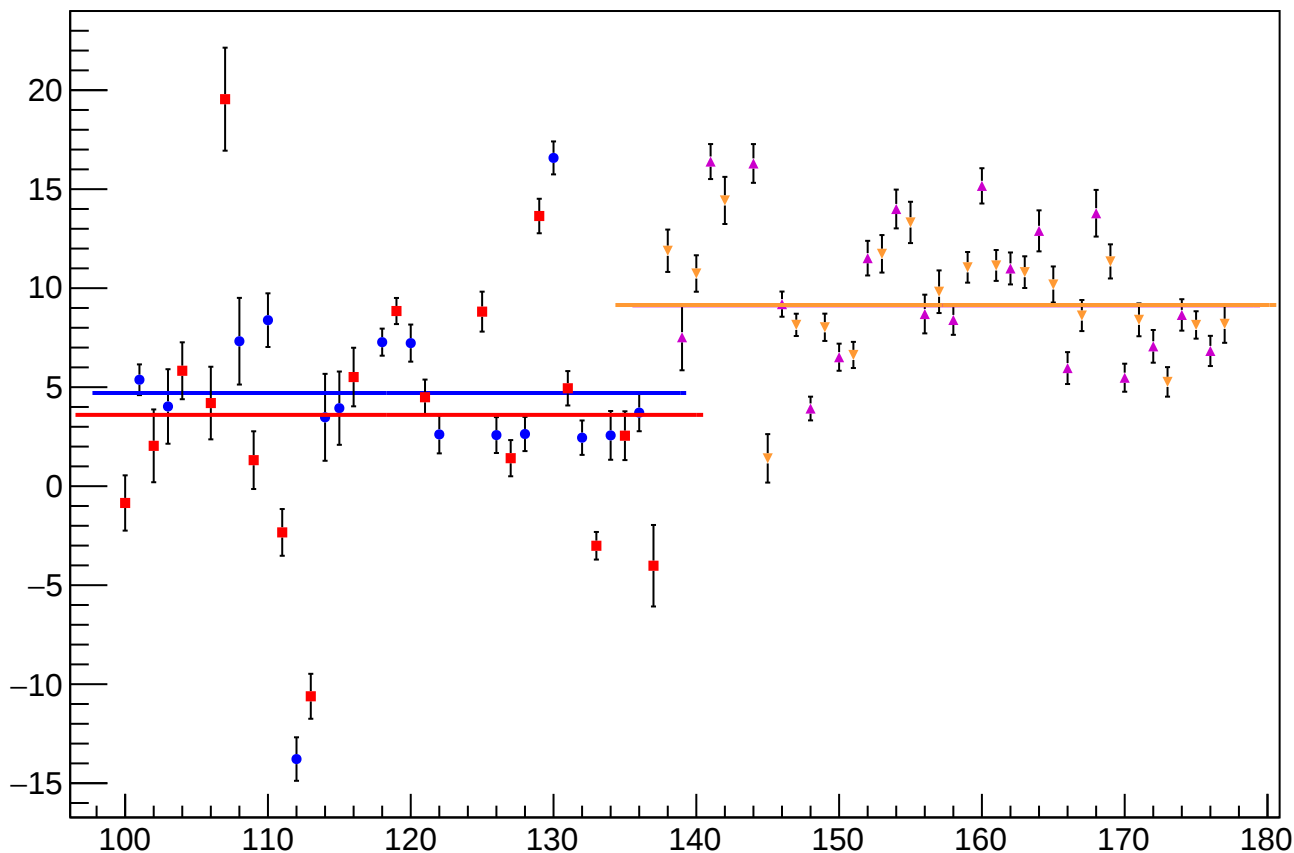
Right: 29.525 ± 0.290 χ^2/NDF : 3619.8/33

In: 12.187 ± 0.195 χ^2/NDF : 4578.6/34

Out: 12.557 ± 0.192 χ^2/NDF : 5687.7/37

All: 12.375 ± 0.137 χ^2/NDF : 10268.1/72

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.150 ± 0.185 χ^2/NDF : 169.7/19

Right Out: 3.601 ± 0.254 χ^2/NDF : 573.4/17

Left In: 9.134 ± 0.189 χ^2/NDF : 383.4/18

Left: 9.142 ± 0.132 χ^2/NDF : 553.1/38

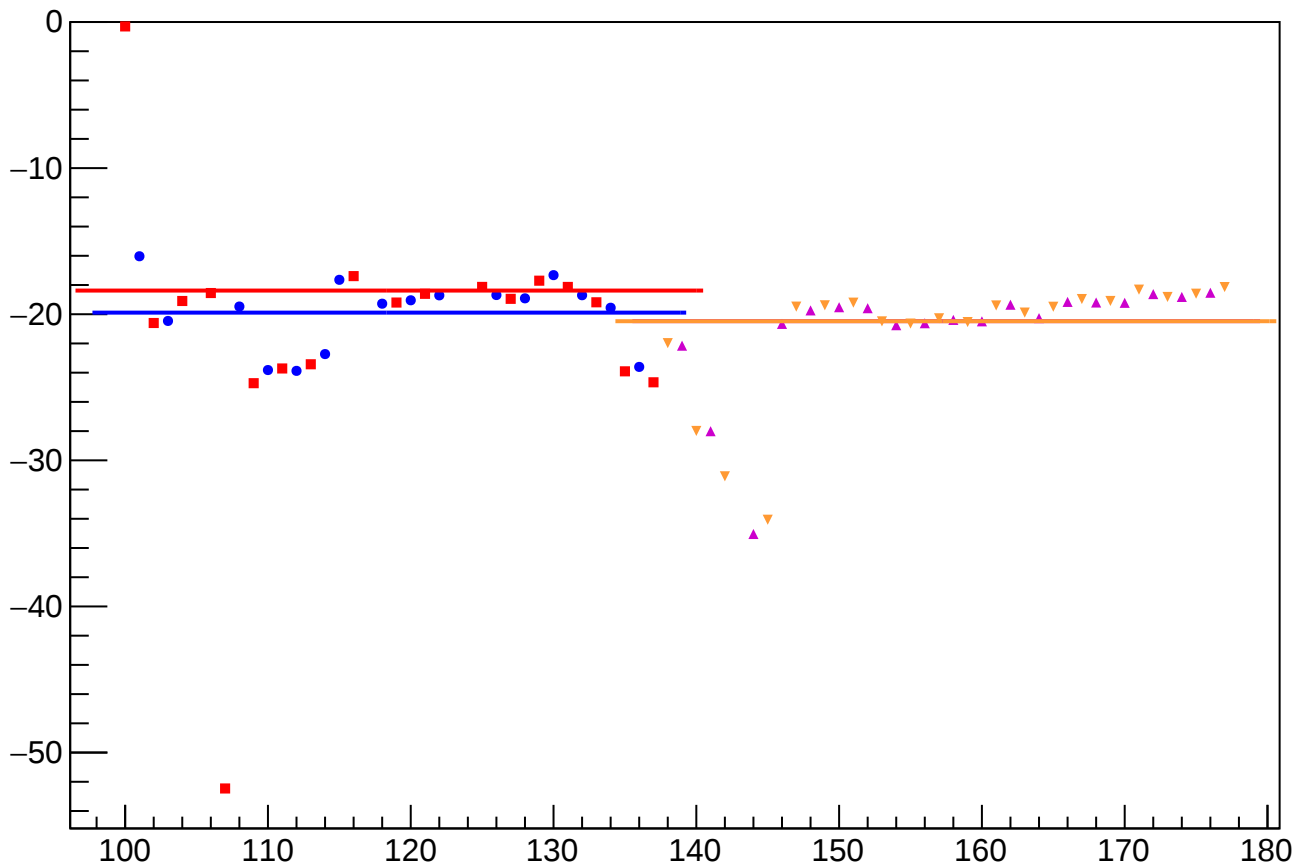
Right: 4.154 ± 0.180 χ^2/NDF : 1128.1/33

In: 7.555 ± 0.152 χ^2/NDF : 1124.3/34

Out: 7.233 ± 0.149 χ^2/NDF : 1055.4/37

All: 7.391 ± 0.106 χ^2/NDF : 2182.0/72

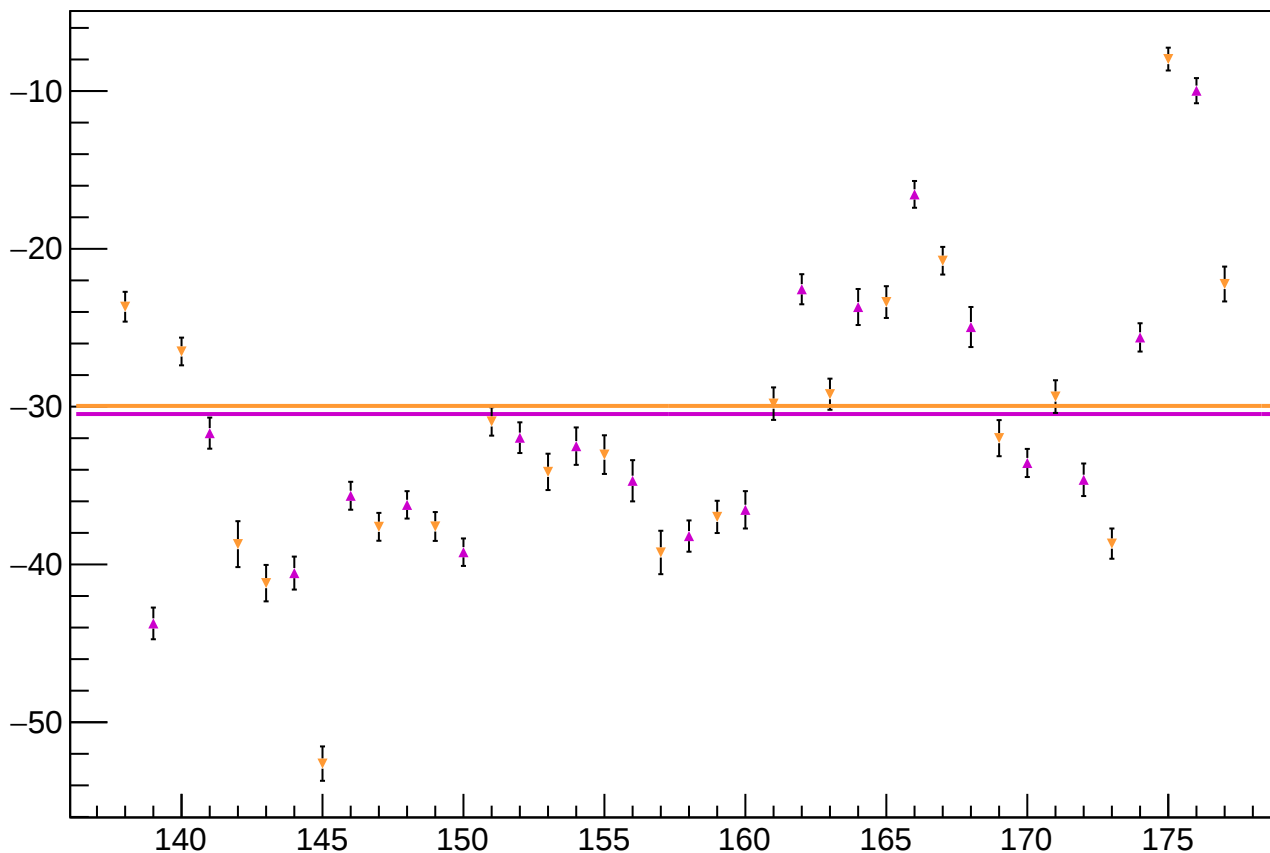
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$
 Left Out: -20.478 ± 0.009 $\chi^2/\text{NDF}: 148292.8/19$
 Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$
 Left In: -20.472 ± 0.009 $\chi^2/\text{NDF}: 117525.4/18$

Left: -20.475 ± 0.006 $\chi^2/\text{NDF}: 265818.5/38$
 Right: -19.091 ± 0.011 $\chi^2/\text{NDF}: 331979.2/33$
 In: -20.335 ± 0.008 $\chi^2/\text{NDF}: 144626.5/34$
 Out: -19.935 ± 0.008 $\chi^2/\text{NDF}: 464296.8/37$
 All: -20.132 ± 0.005 $\chi^2/\text{NDF}: 610320.4/72$

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: -29.954+/-0.219 χ^2/NDF :2094.3/20

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

Left In: -30.469+/-0.225 χ^2/NDF :1662.0/18

Left: -30.205+/-0.157 χ^2/NDF : 3759.0/39

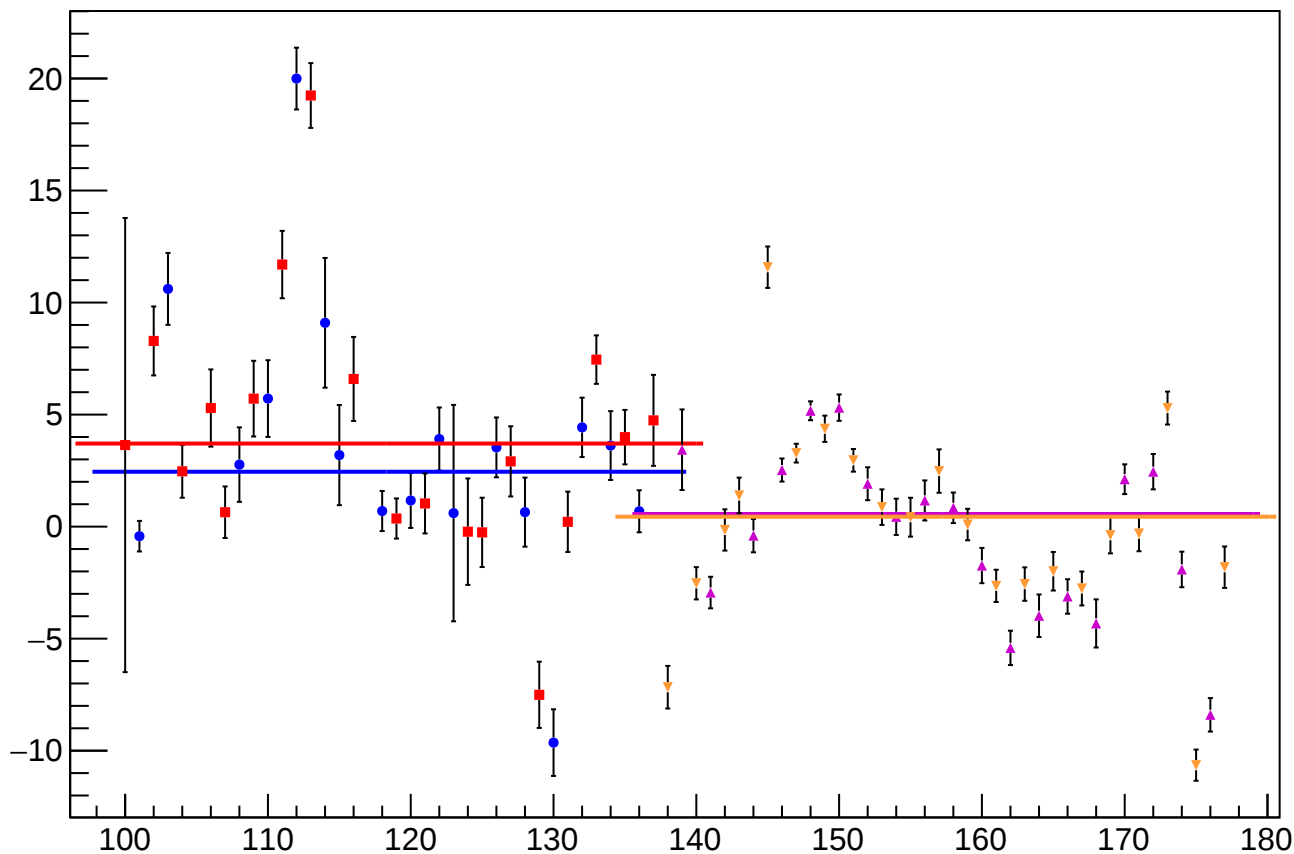
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.469+/-0.225 χ^2/NDF :1662.0/18

Out: -29.954+/-0.219 χ^2/NDF :2094.3/20

All: -30.205+/-0.157 χ^2/NDF : 3759.0/39

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 0.443 ± 0.157 $\chi^2/\text{NDF}: 713.6/20$

Right Out: 3.707 ± 0.326 $\chi^2/\text{NDF}: 269.4/18$

Left In: 0.563 ± 0.163 $\chi^2/\text{NDF}: 533.0/18$

Left: 0.501 ± 0.113 $\chi^2/\text{NDF}: 1246.9/39$

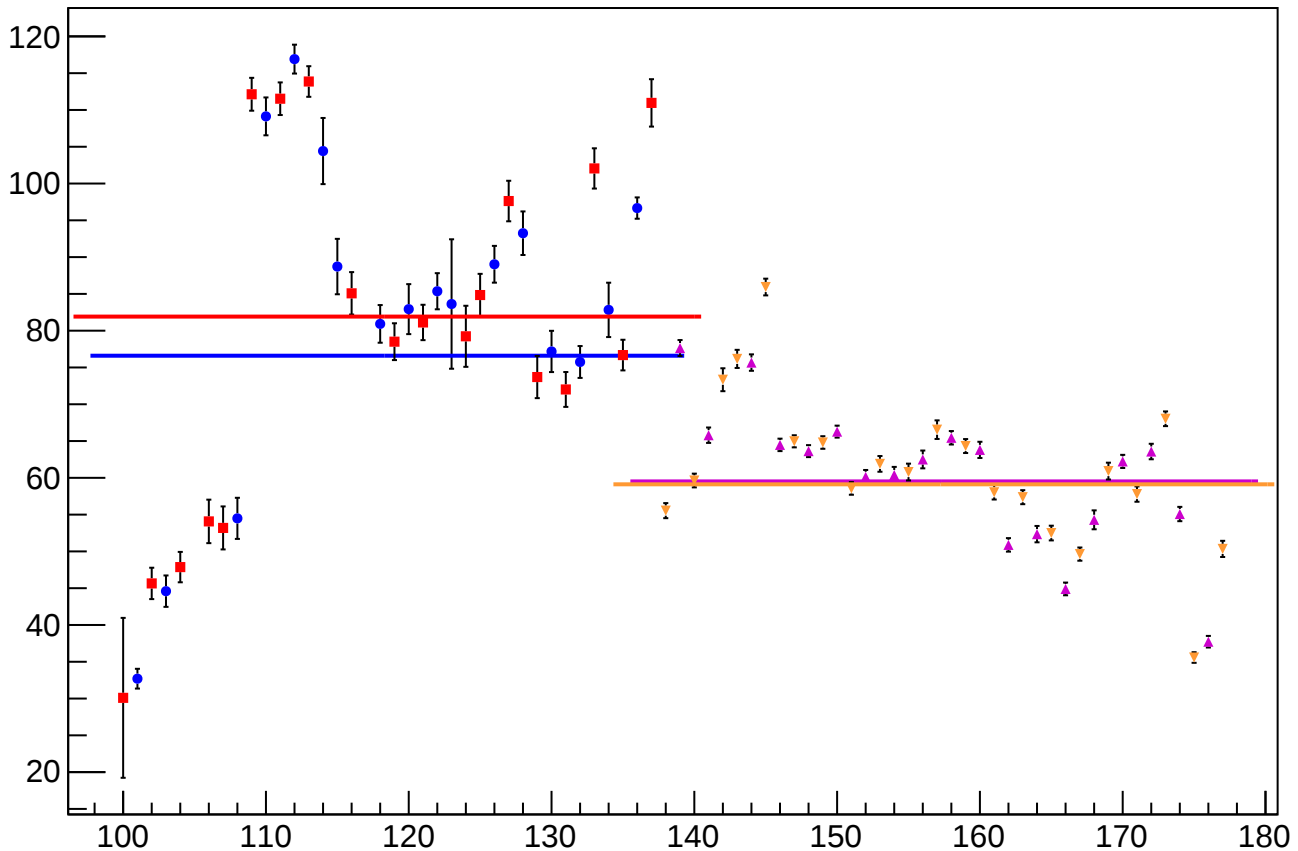
Right: 3.055 ± 0.226 $\chi^2/\text{NDF}: 572.4/35$

In: 0.964 ± 0.145 $\chi^2/\text{NDF}: 856.7/35$

Out: 1.057 ± 0.142 $\chi^2/\text{NDF}: 1064.2/39$

All: 1.012 ± 0.101 $\chi^2/\text{NDF}: 1921.0/75$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598+/-0.576 χ^2/NDF : 2255.1/16

Left Out: 59.118+/-0.217 χ^2/NDF :2381.3/20

Right Out: 81.916+/-0.592 χ^2/NDF : 1570.7/18

Left In: 59.514+/-0.221 χ^2/NDF :1955.4/18

Left: 59.312+/-0.155 χ^2/NDF : 4338.4/39

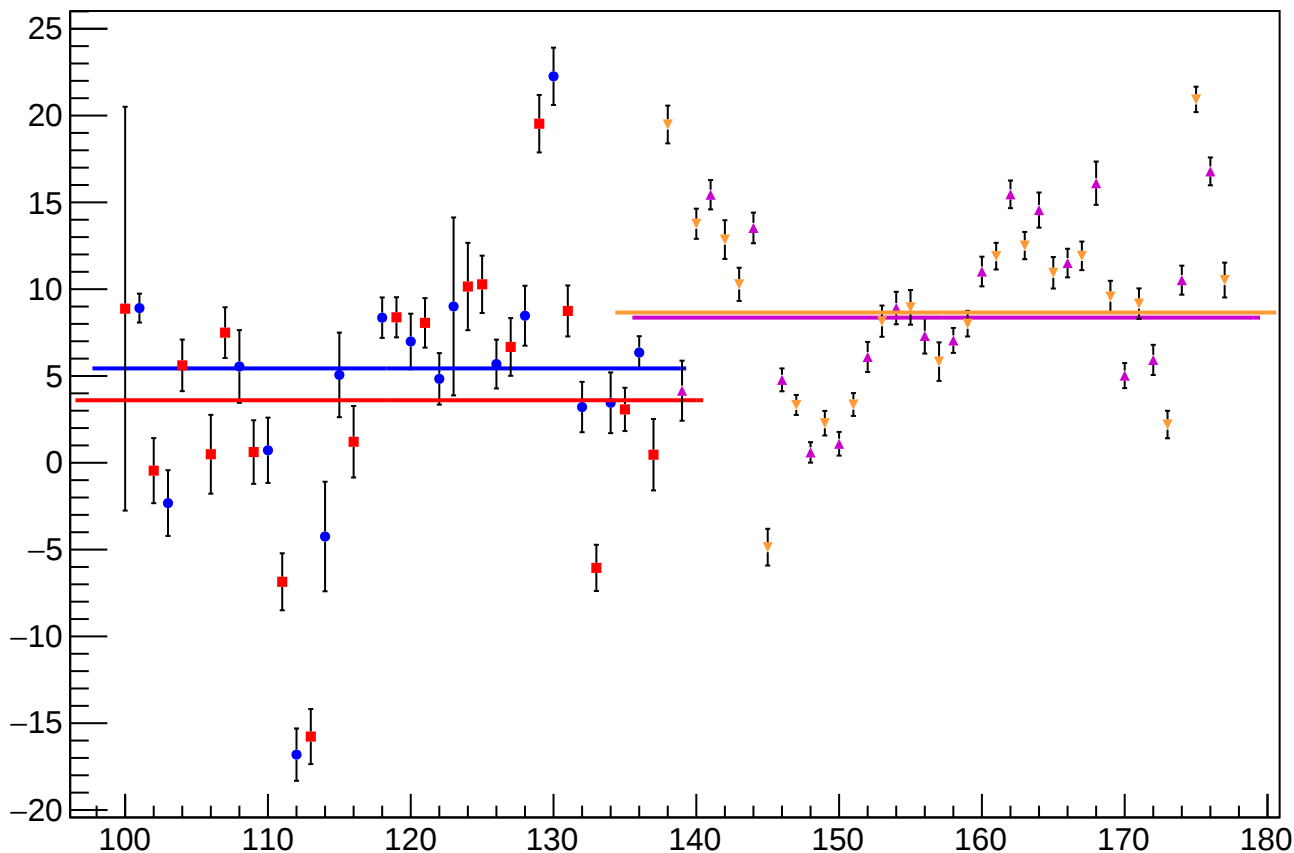
Right: 79.184+/-0.413 χ^2/NDF : 3867.3/35

In: 61.713+/-0.207 χ^2/NDF :4976.8/35

Out: 61.808+/-0.203 χ^2/NDF :5259.9/39

All: 61.761+/-0.145 χ^2/NDF : 10236.8/75

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 8.655 ± 0.182 $\chi^2/\text{NDF}: 970.0/20$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

Left In: 8.362 ± 0.189 $\chi^2/\text{NDF}: 764.4/18$

Left: 8.514 ± 0.131 $\chi^2/\text{NDF}: 1735.6/39$

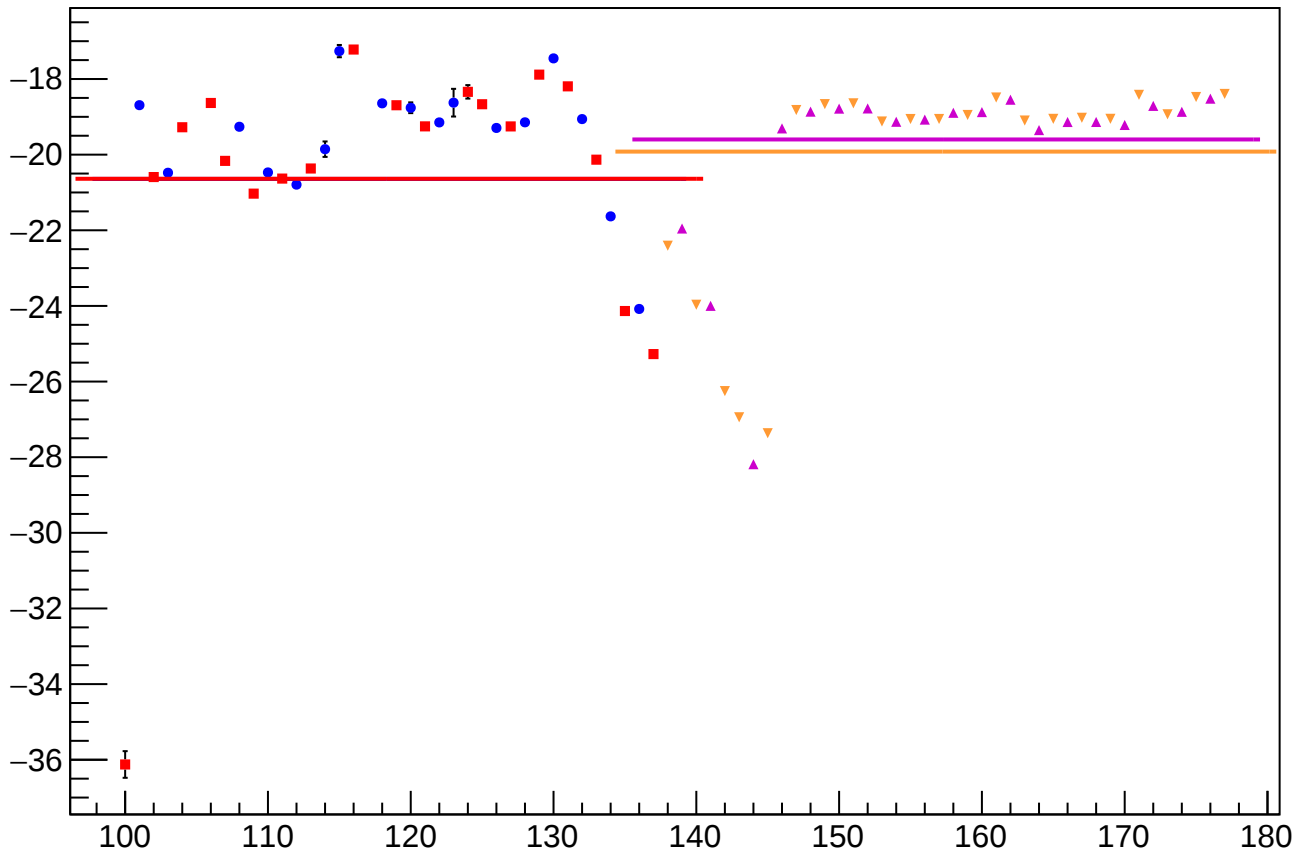
Right: 4.556 ± 0.260 $\chi^2/\text{NDF}: 823.0/35$

In: 7.731 ± 0.167 $\chi^2/\text{NDF}: 1203.3/35$

Out: 7.690 ± 0.164 $\chi^2/\text{NDF}: 1540.2/39$

All: 7.710 ± 0.117 $\chi^2/\text{NDF}: 2743.5/75$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -19.919 ± 0.009 χ^2/NDF : 85550.6/20

Right Out: -20.638 ± 0.019 χ^2/NDF : 13783.4/18

Left In: -19.598 ± 0.009 χ^2/NDF : 51228.0/18

Left: -19.761 ± 0.006 χ^2/NDF : 137460.3/39

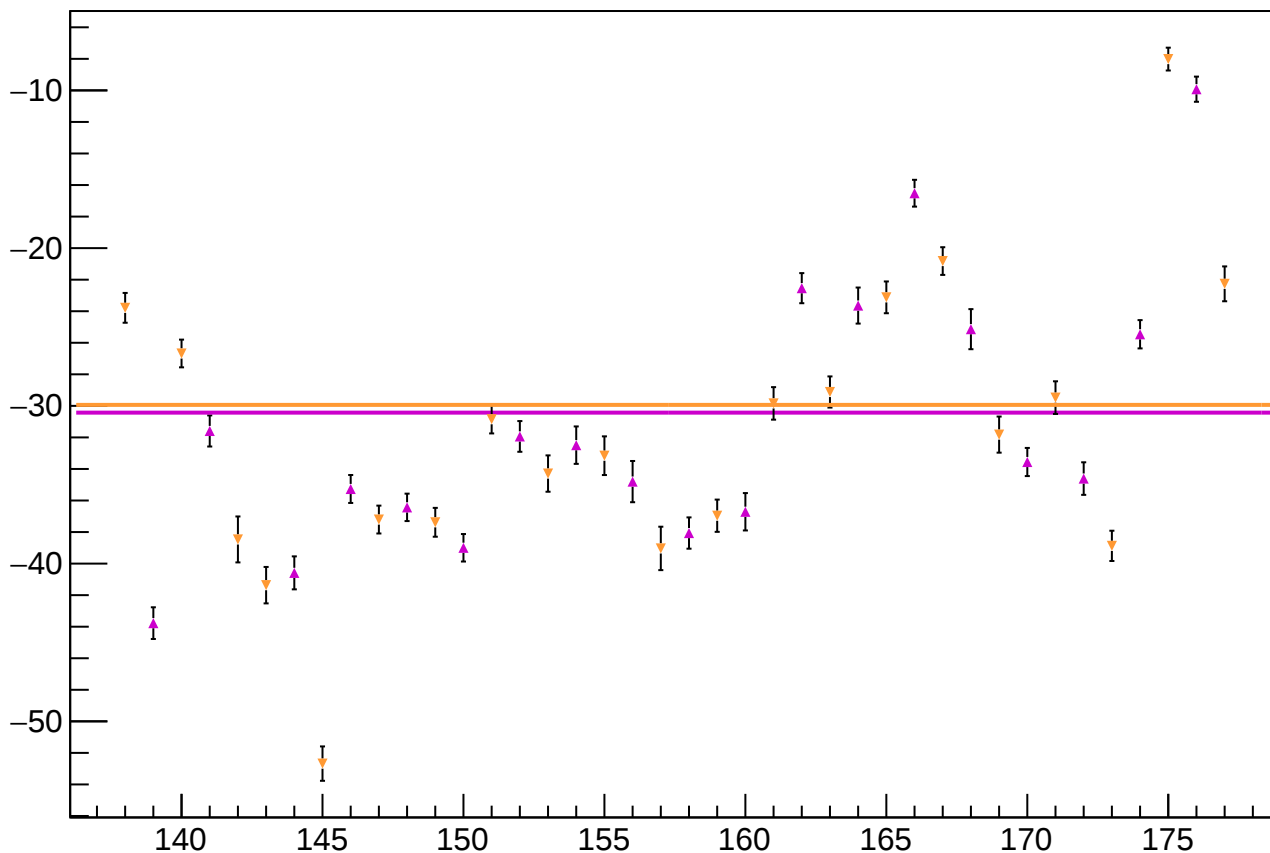
Right: -20.640 ± 0.014 χ^2/NDF : 26214.9/35

In: -19.776 ± 0.008 χ^2/NDF : 66077.3/35

Out: -20.038 ± 0.008 χ^2/NDF : 100474.0/39

All: -19.908 ± 0.006 χ^2/NDF : 167097.5/75

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: -29.938+/-0.219 χ^2/NDF :2081.1/20

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

Left In: -30.429+/-0.225 χ^2/NDF :1659.5/18

Left: -30.177+/-0.157 χ^2/NDF : 3743.0/39

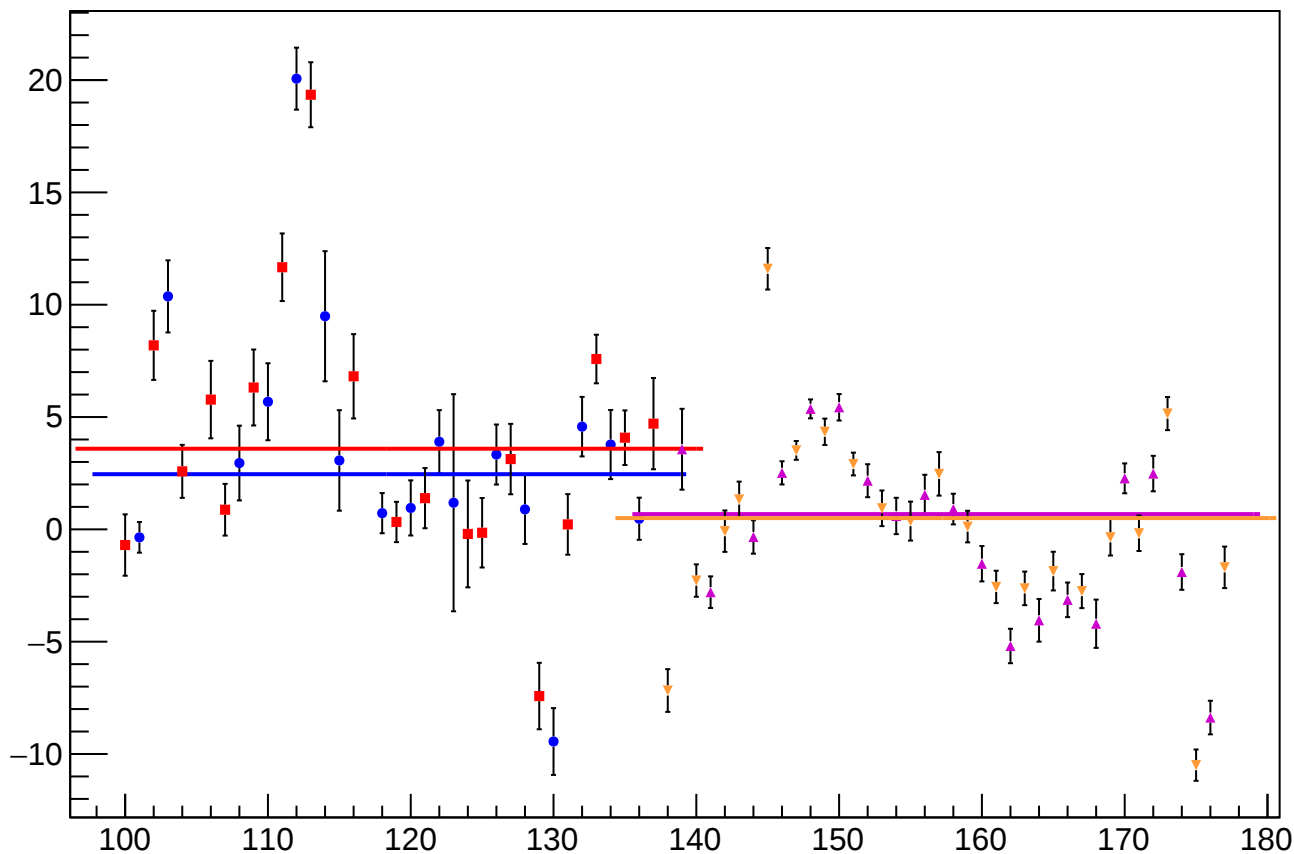
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.429+/-0.225 χ^2/NDF :1659.5/18

Out: -29.938+/-0.219 χ^2/NDF :2081.1/20

All: -30.177+/-0.157 χ^2/NDF : 3743.0/39

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 0.502 ± 0.157 χ^2/NDF : 705.4/20

Right Out: 3.590 ± 0.318 χ^2/NDF : 279.8/18

Left In: 0.679 ± 0.164 χ^2/NDF : 540.1/18

Left: 0.587 ± 0.113 χ^2/NDF : 1246.1/39

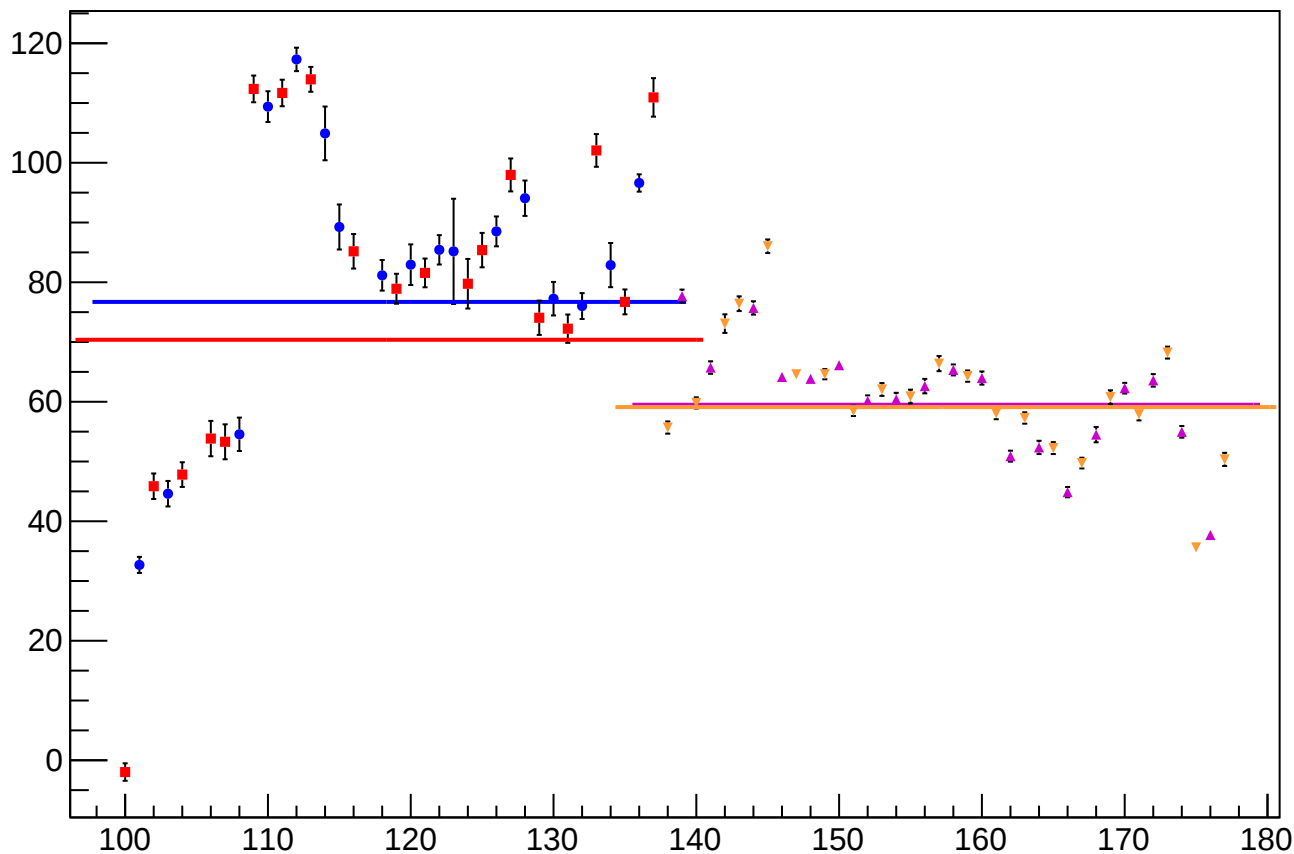
Right: 3.017 ± 0.224 χ^2/NDF : 579.8/35

In: 1.057 ± 0.145 χ^2/NDF : 858.7/35

Out: 1.109 ± 0.141 χ^2/NDF : 1061.1/39

All: 1.083 ± 0.101 χ^2/NDF : 1919.9/75

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 59.108+/-0.217 χ^2/NDF : 2374.5/20

Right Out: 70.376+/-0.550 χ^2/NDF : 4390.7/18

Left In: 59.502+/-0.222 χ^2/NDF : 1951.8/18

Left: 59.301+/-0.155 χ^2/NDF : 4327.9/39

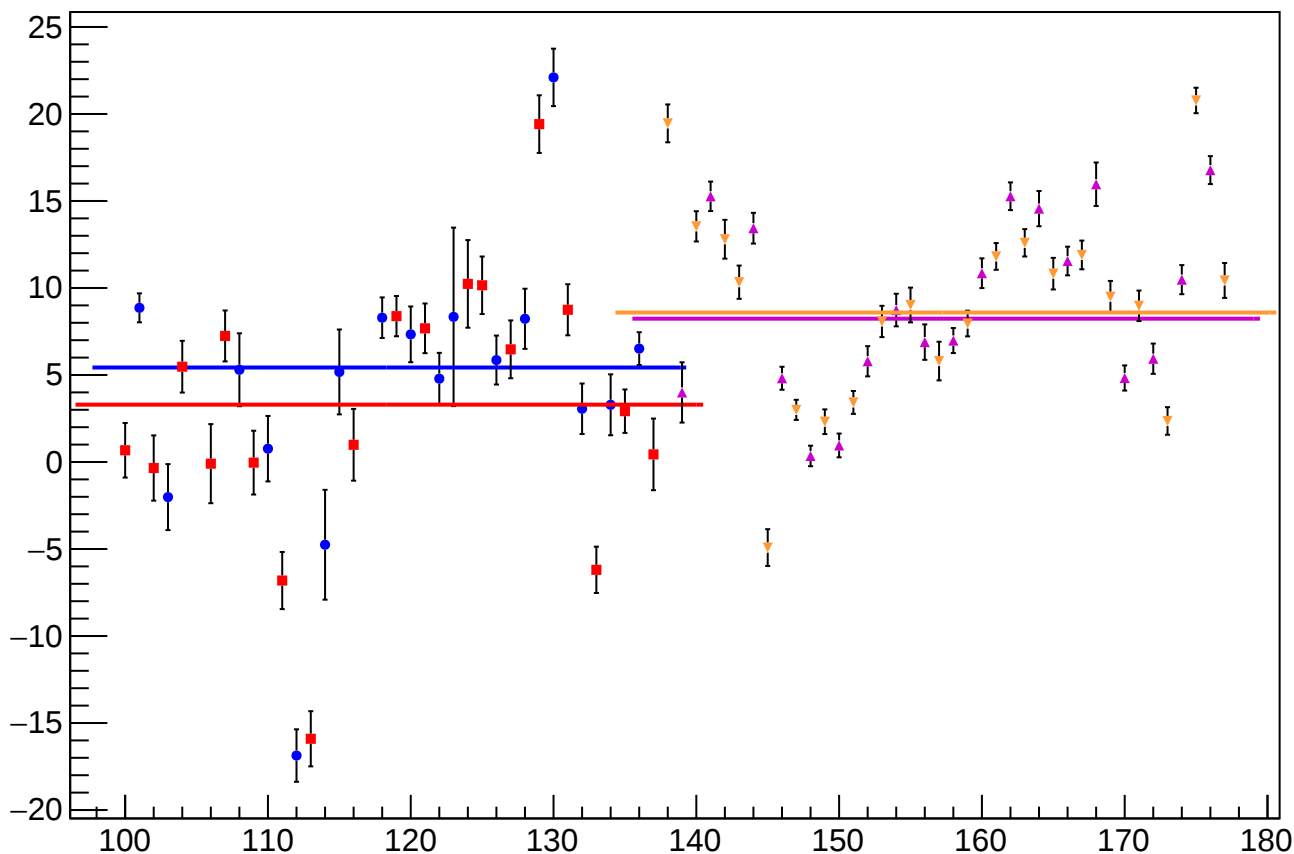
Right: 73.396+/-0.398 χ^2/NDF : 6720.6/35

In: 61.717+/-0.207 χ^2/NDF : 4995.4/35

Out: 60.623+/-0.202 χ^2/NDF : 7128.7/39

All: 61.156+/-0.144 χ^2/NDF : 12138.4/75

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 8.589 ± 0.182 χ^2/NDF : 963.9/20

Right Out: 3.295 ± 0.365 χ^2/NDF : 426.1/18

Left In: 8.237 ± 0.189 χ^2/NDF : 772.9/18

Left: 8.420 ± 0.131 χ^2/NDF : 1738.7/39

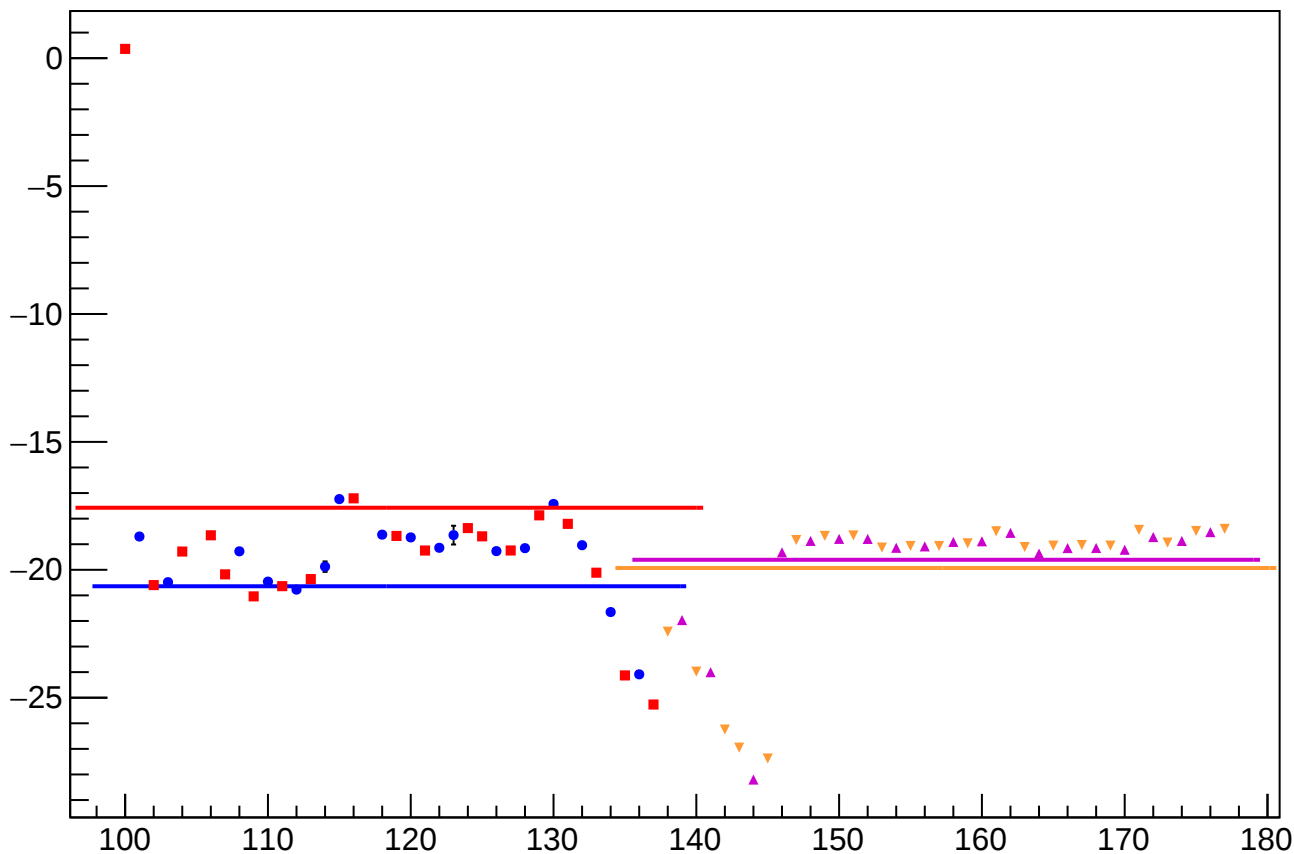
Right: 4.376 ± 0.257 χ^2/NDF : 829.3/35

In: 7.631 ± 0.167 χ^2/NDF : 1206.3/35

Out: 7.533 ± 0.163 χ^2/NDF : 1558.4/39

All: 7.581 ± 0.117 χ^2/NDF : 2764.9/75

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643 ± 0.019 χ^2/NDF : 12468.6/16

Left Out: -19.928 ± 0.009 χ^2/NDF : 85409.7/20

Right Out: -17.574 ± 0.018 χ^2/NDF : 178327.0/18

Left In: -19.608 ± 0.009 χ^2/NDF : 51171.0/18

Left: -19.770 ± 0.006 χ^2/NDF : 137257.5/39

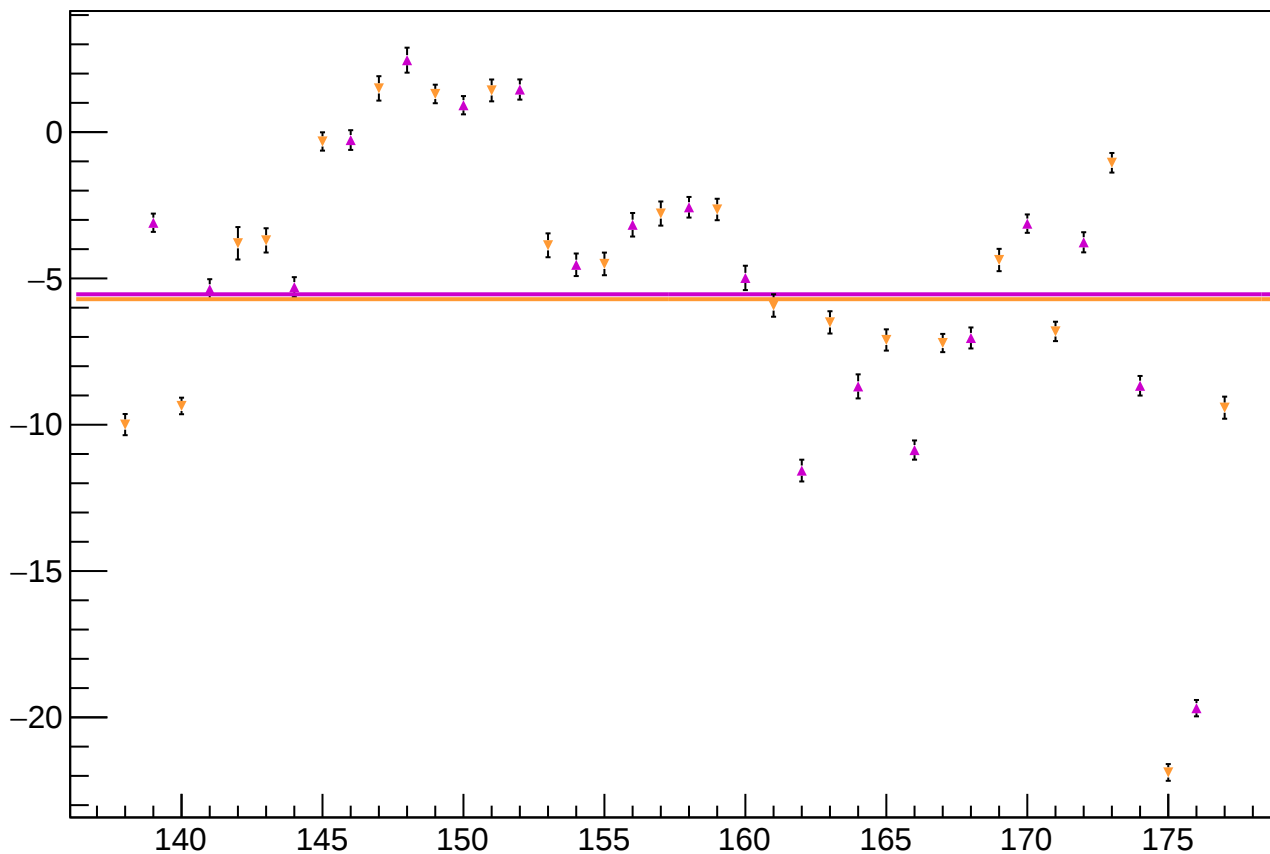
Right: -19.001 ± 0.013 χ^2/NDF : 204262.7/35

In: -19.784 ± 0.008 χ^2/NDF : 66015.7/35

Out: -19.489 ± 0.008 χ^2/NDF : 277595.1/39

All: -19.633 ± 0.006 χ^2/NDF : 344313.2/75

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



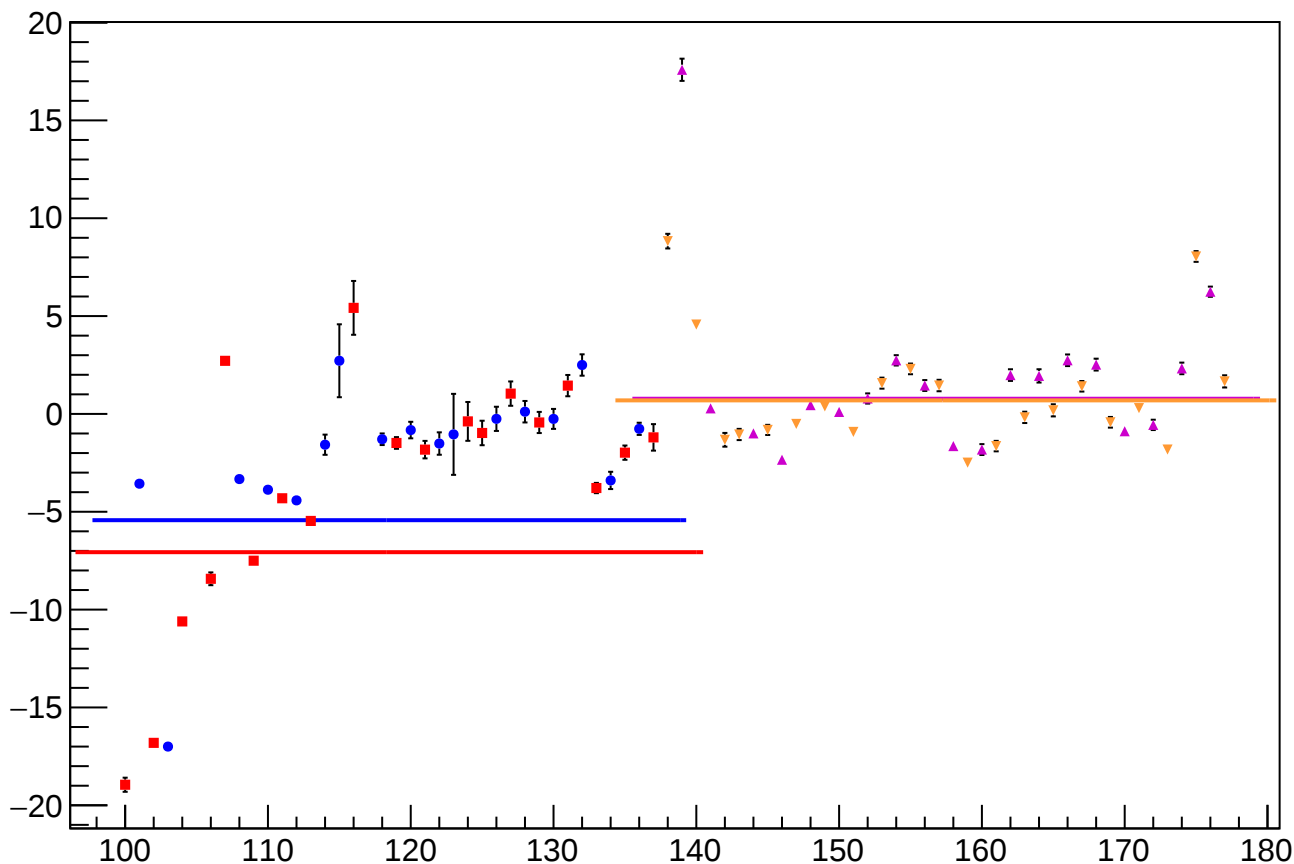
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.710+/-0.078 χ^2/NDF : 5500.6/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.542+/-0.080 χ^2/NDF : 4945.8/18

Left: -5.628+/-0.056 χ^2/NDF : 10448.6/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -5.542+/-0.080 χ^2/NDF : 4945.8/18
 Out: -5.710+/-0.078 χ^2/NDF : 5500.6/20

All: -5.628+/-0.056 χ^2/NDF : 10448.6/39

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.692 ± 0.058 χ^2/NDF : 2082.5/20

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

Left In: 0.776 ± 0.060 χ^2/NDF : 2057.8/18

Left: 0.732 ± 0.042 χ^2/NDF : 4141.3/39

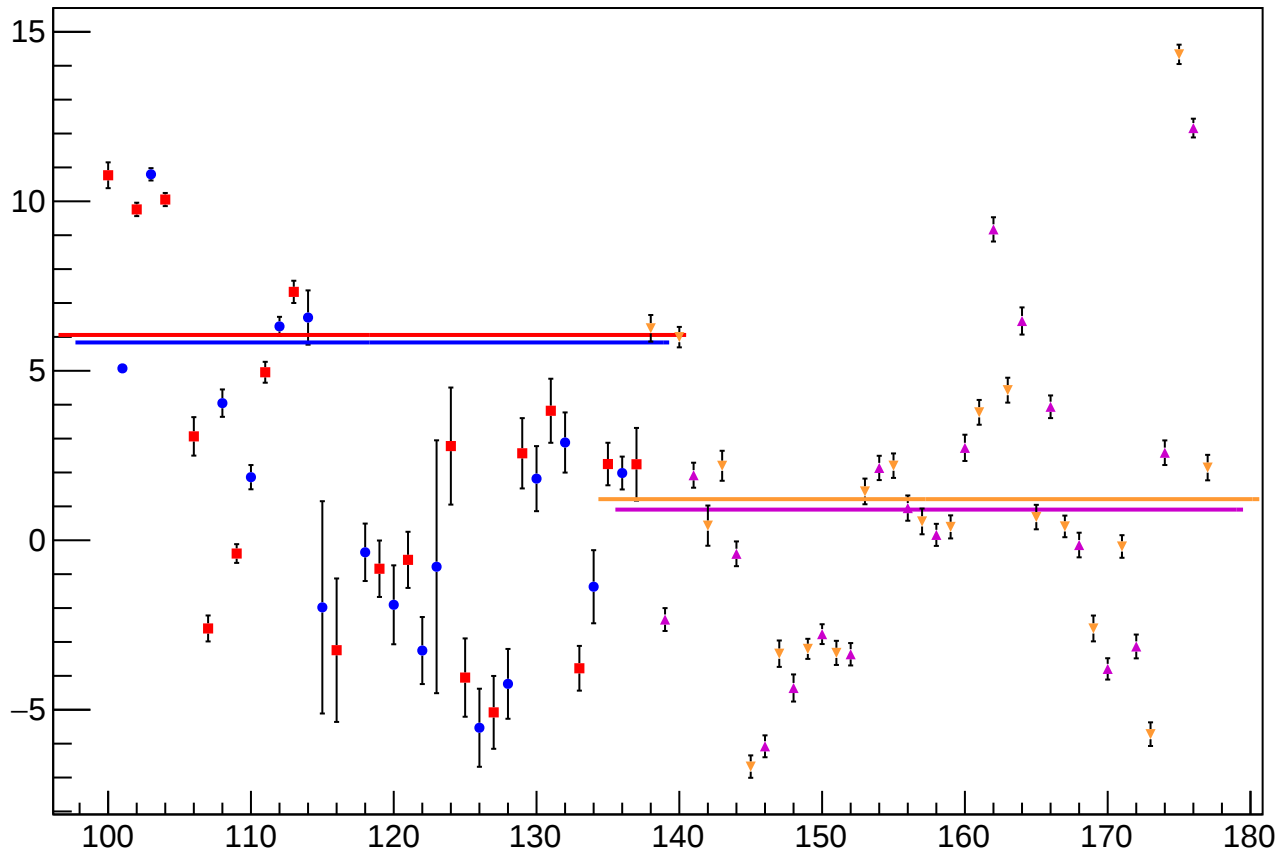
Right: -6.189 ± 0.040 χ^2/NDF : 21952.0/35

In: -2.617 ± 0.041 χ^2/NDF : 17092.8/35

Out: -3.100 ± 0.041 χ^2/NDF : 23219.1/39

All: -2.854 ± 0.029 χ^2/NDF : 40381.6/75

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 $\pm$ 0.090 χ^2/NDF : 1440.9/16

Left Out: 1.213 $\pm$ 0.077 χ^2/NDF : 4294.5/20

Right Out: 6.057 $\pm$ 0.093 χ^2/NDF : 2668.9/18

Left In: 0.905 $\pm$ 0.079 χ^2/NDF : 3964.7/18

Left: 1.062 $\pm$ 0.055 χ^2/NDF : 8266.9/39

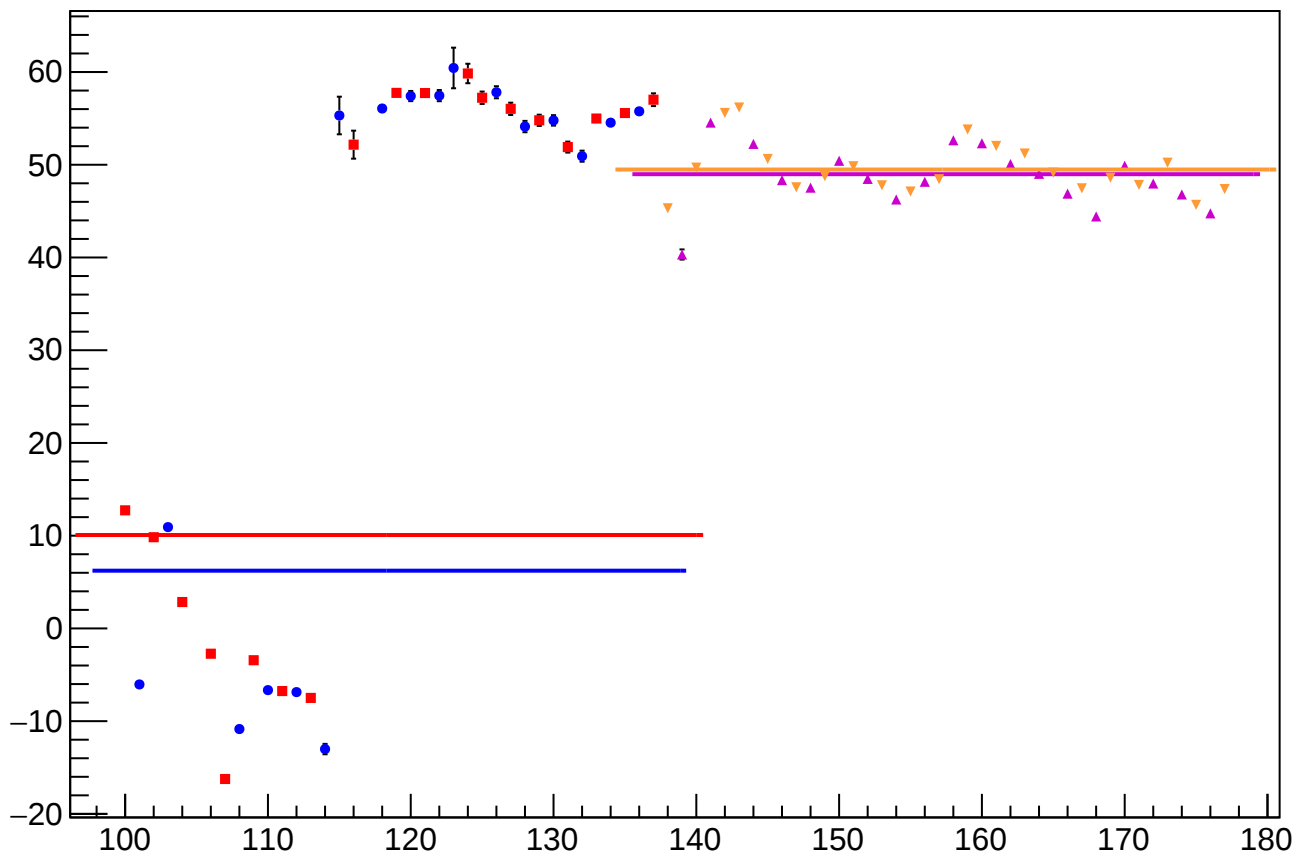
Right: 5.942 $\pm$ 0.065 χ^2/NDF : 4112.7/35

In: 3.056 $\pm$ 0.059 χ^2/NDF : 7111.1/35

Out: 3.190 $\pm$ 0.060 χ^2/NDF : 8557.9/39

All: 3.123 $\pm$ 0.042 χ^2/NDF : 15671.6/75

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 $\pm$ 0.065 χ^2 /NDF: 120955.1/16

Left Out: 49.485 $\pm$ 0.066 χ^2 /NDF:1538.0/20

Right Out: 10.075 $\pm$ 0.070 χ^2 /NDF: 122049.3/18

Left In: 48.982 $\pm$ 0.068 χ^2 /NDF:1734.0/18

Left: 49.243 $\pm$ 0.048 χ^2 /NDF: 3299.9/39

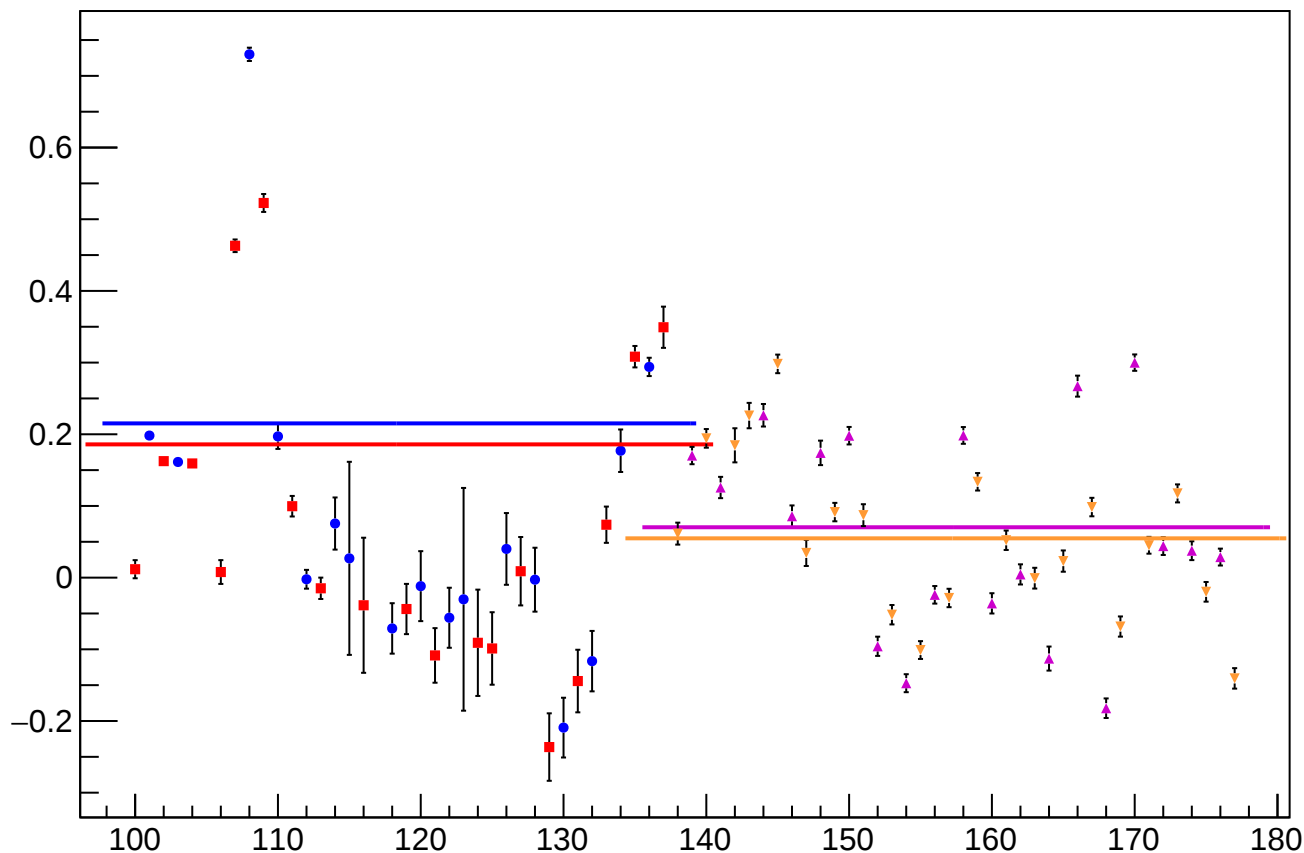
Right: 8.011 $\pm$ 0.047 χ^2 /NDF: 244638.0/35

In: 26.431 $\pm$ 0.047 χ^2 /NDF:328234.8/35

Out: 30.858 $\pm$ 0.048 χ^2 /NDF:292008.9/39

All: 28.605 $\pm$ 0.034 χ^2 /NDF: 624585.1/75

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215+/-0.003 χ^2/NDF : 3925.9/16

Left Out: 0.055+/-0.003 χ^2/NDF :1257.3/20

Right Out: 0.186+/-0.003 χ^2/NDF : 2718.1/18

Left In: 0.070+/-0.003 χ^2/NDF :2108.8/18

Left: 0.062+/-0.002 χ^2/NDF : 3378.9/39

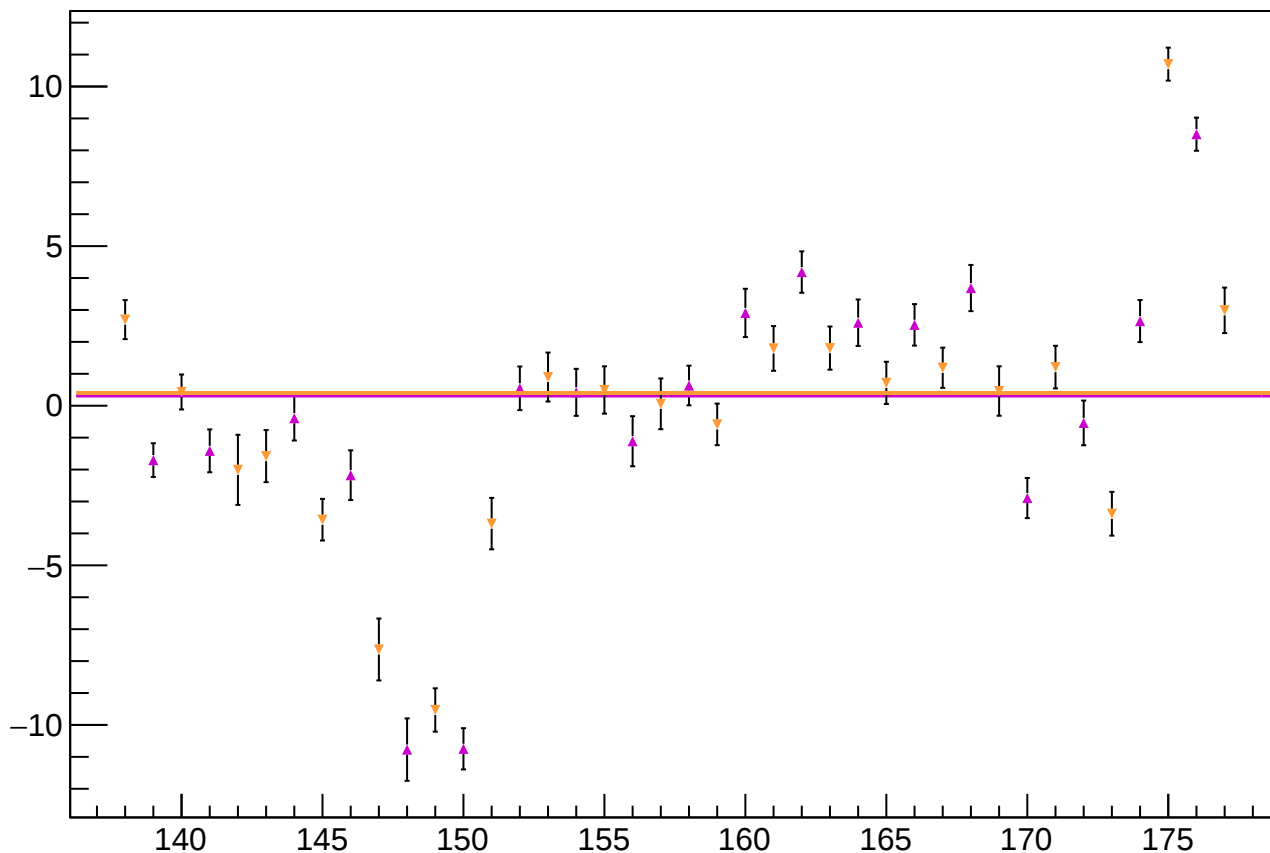
Right: 0.200+/-0.002 χ^2/NDF : 6701.6/35

In: 0.150+/-0.002 χ^2/NDF :7266.7/35

Out: 0.128+/-0.002 χ^2/NDF :5022.0/39

All: 0.139+/-0.001 χ^2/NDF : 12346.0/75

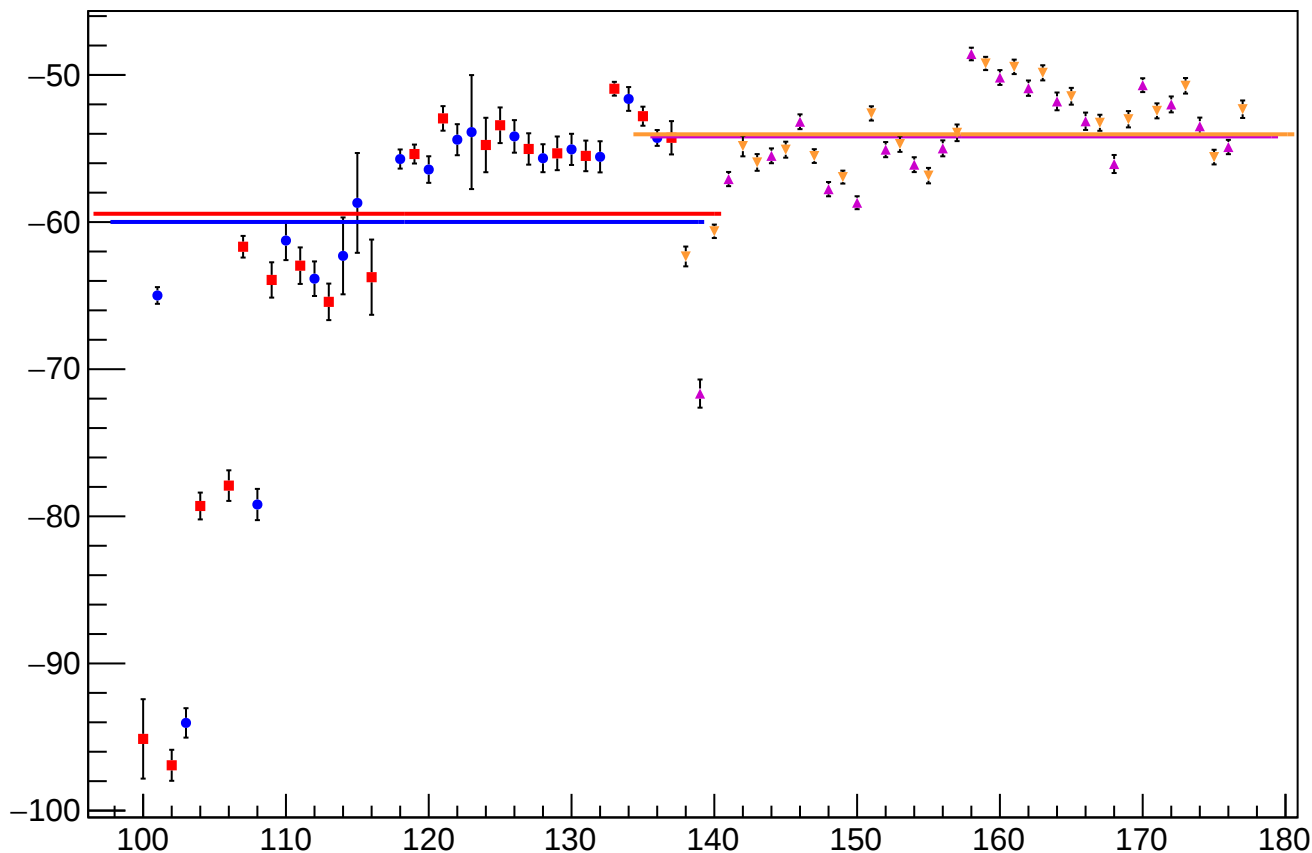
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.399 $\pm$ 0.151 χ^2 /NDF:826.6/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.321 $\pm$ 0.154 χ^2 /NDF:837.7/18

Left: 0.360 $\pm$ 0.108 χ^2 /NDF: 1664.4/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.321 $\pm$ 0.154 χ^2 /NDF:837.7/18
 Out: 0.399 $\pm$ 0.151 χ^2 /NDF:826.6/20
 All: 0.360 $\pm$ 0.108 χ^2 /NDF: 1664.4/39

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.034 ± 0.114 χ^2/NDF : 828.4/20

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

Left In: -54.178 ± 0.119 χ^2/NDF : 934.6/18

Left: -54.103 ± 0.083 χ^2/NDF : 1763.8/39

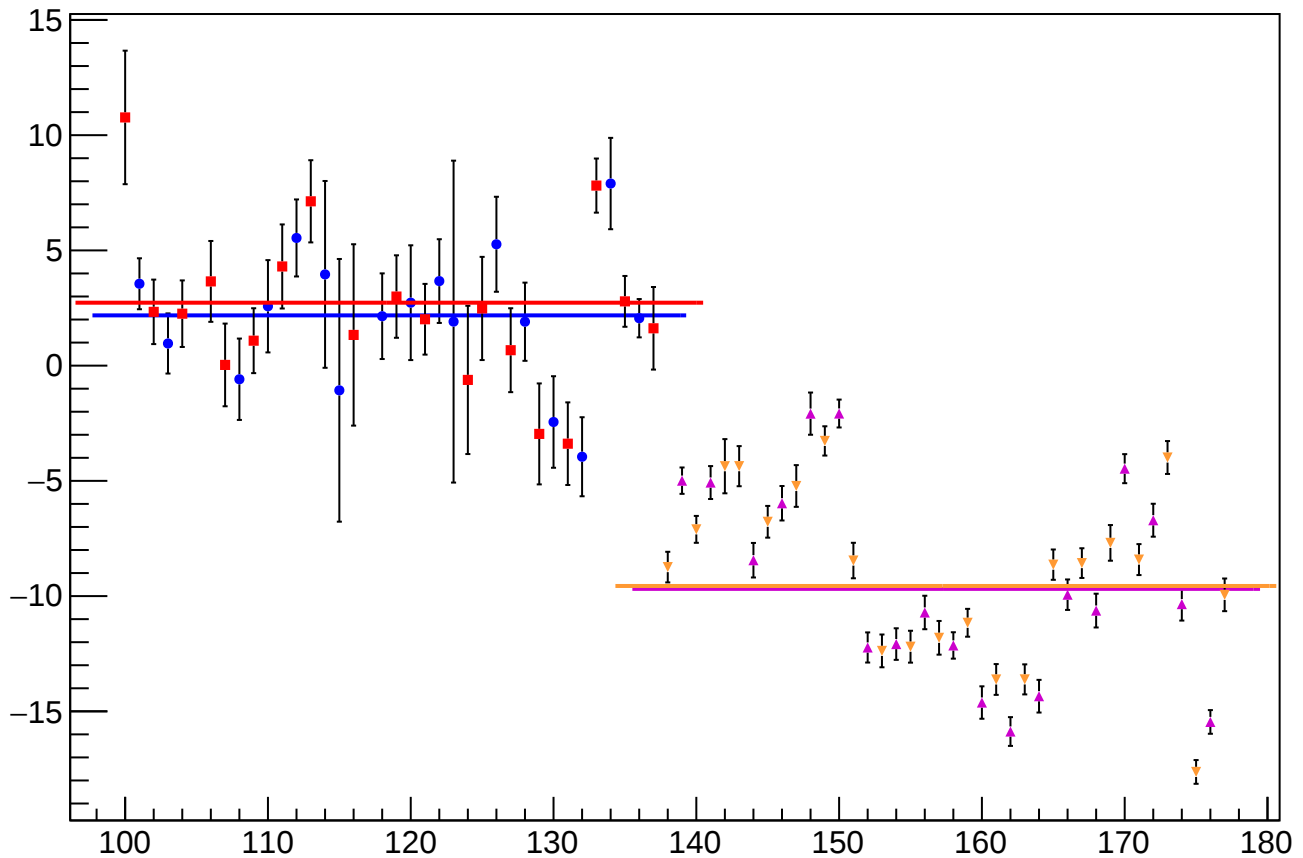
Right: -59.697 ± 0.154 χ^2/NDF : 4894.0/35

In: -55.456 ± 0.105 χ^2/NDF : 3428.7/35

Out: -55.250 ± 0.101 χ^2/NDF : 4249.5/39

All: -55.348 ± 0.073 χ^2/NDF : 7680.1/75

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: -9.561 ± 0.150 $\chi^2/\text{NDF}: 655.9/20$
 Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$
 Left In: -9.687 ± 0.153 $\chi^2/\text{NDF}: 817.0/18$

Left: -9.623 ± 0.107 $\chi^2/\text{NDF}: 1473.3/39$
 Right: 2.468 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$
 In: -8.214 ± 0.143 $\chi^2/\text{NDF}: 1605.7/35$
 Out: -7.959 ± 0.140 $\chi^2/\text{NDF}: 1587.8/39$
 All: -8.084 ± 0.100 $\chi^2/\text{NDF}: 3195.1/75$

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: -38.290 ± 0.129 $\chi^2/\text{NDF}: 865.1/20$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

Left In: -37.689 ± 0.134 $\chi^2/\text{NDF}: 994.2/18$

Left: -38.001 ± 0.093 $\chi^2/\text{NDF}: 1869.7/39$

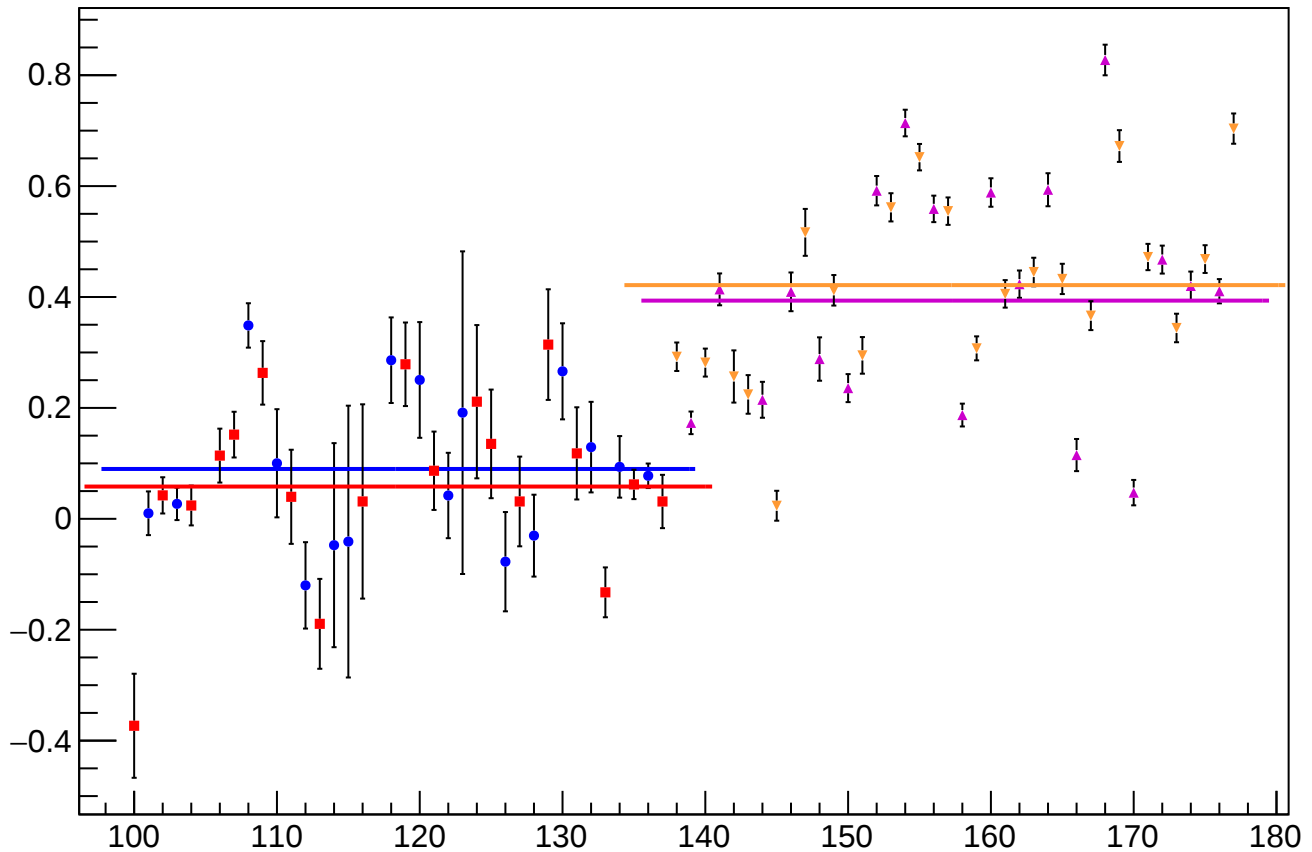
Right: -32.599 ± 0.177 $\chi^2/\text{NDF}: 10692.4/35$

In: -36.607 ± 0.119 $\chi^2/\text{NDF}: 5941.5/35$

Out: -37.025 ± 0.114 $\chi^2/\text{NDF}: 7346.6/39$

All: -36.825 ± 0.082 $\chi^2/\text{NDF}: 13294.5/75$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.421 $\pm$ 0.006 χ^2 /NDF:725.4/20

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.1/18

Left In: 0.393 $\pm$ 0.006 χ^2 /NDF:1259.4/18

Left: 0.408 $\pm$ 0.004 χ^2 /NDF: 1996.1/39

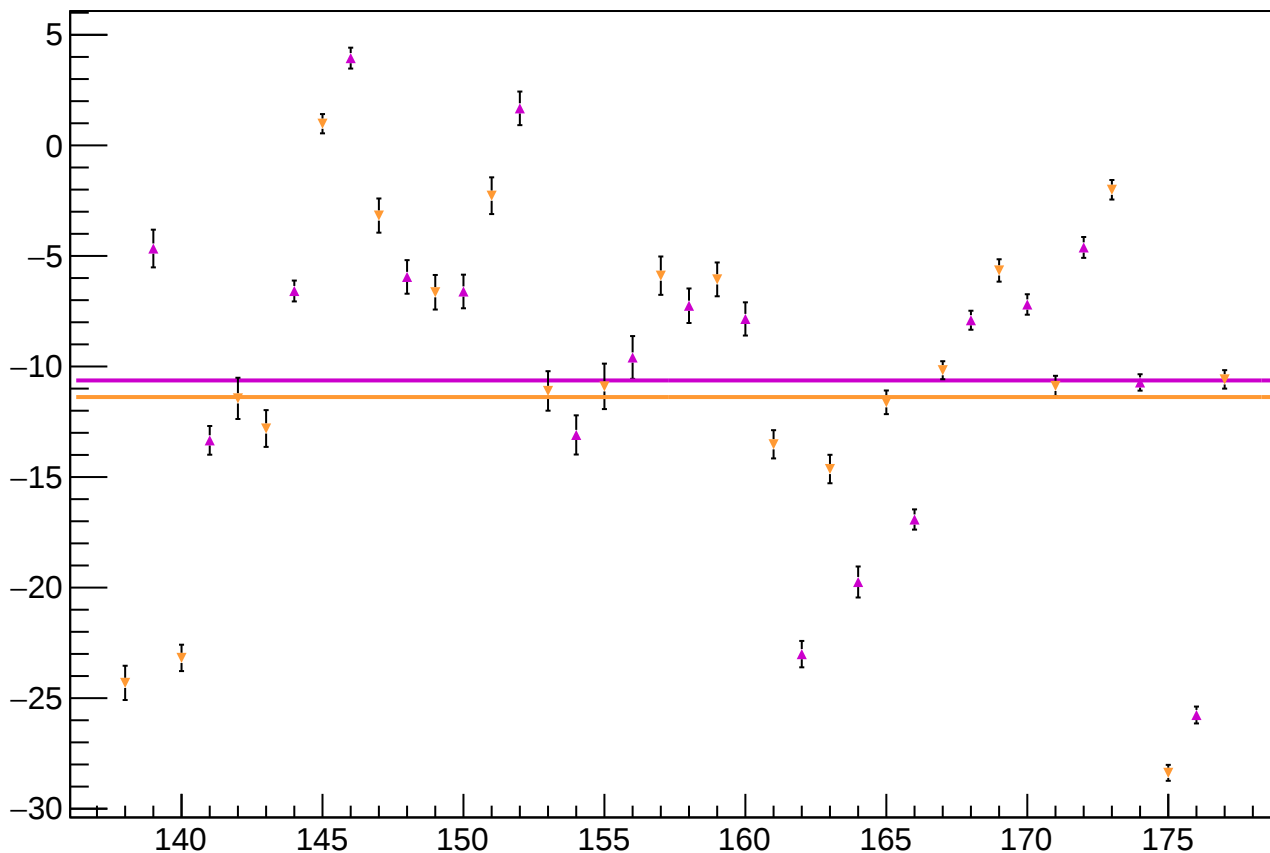
Right: 0.073 $\pm$ 0.009 χ^2 /NDF: 169.1/35

In: 0.340 $\pm$ 0.005 χ^2 /NDF:1805.5/35

Out: 0.353 $\pm$ 0.005 χ^2 /NDF:1535.1/39

All: 0.346 $\pm$ 0.004 χ^2 /NDF: 3343.6/75

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



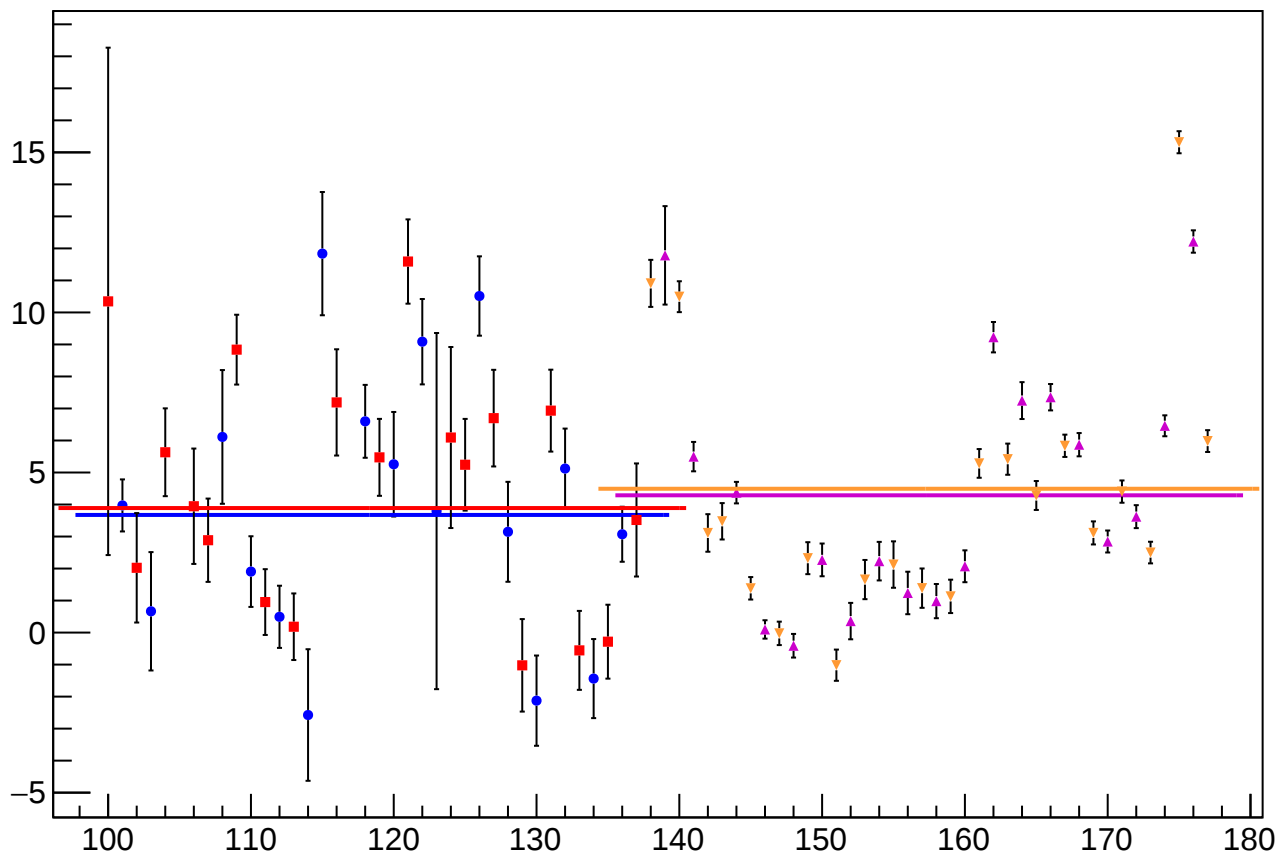
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -11.382+/-0.125 χ^2/NDF : 4688.7/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -10.631+/-0.127 χ^2/NDF : 4079.3/18

Left: -11.013+/-0.089 χ^2/NDF : 8785.8/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.631+/-0.127 χ^2/NDF : 4079.3/18
 Out: -11.382+/-0.125 χ^2/NDF : 4688.7/20

All: -11.013+/-0.089 χ^2/NDF : 8785.8/39

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: 4.493 $\pm$ 0.095 χ^2 /NDF:1793.5/20

Right Out: 3.890 $\pm$ 0.316 χ^2 /NDF: 133.7/18

Left In: 4.288 $\pm$ 0.096 χ^2 /NDF:1349.1/18

Left: 4.392 $\pm$ 0.068 χ^2 /NDF: 3144.9/39

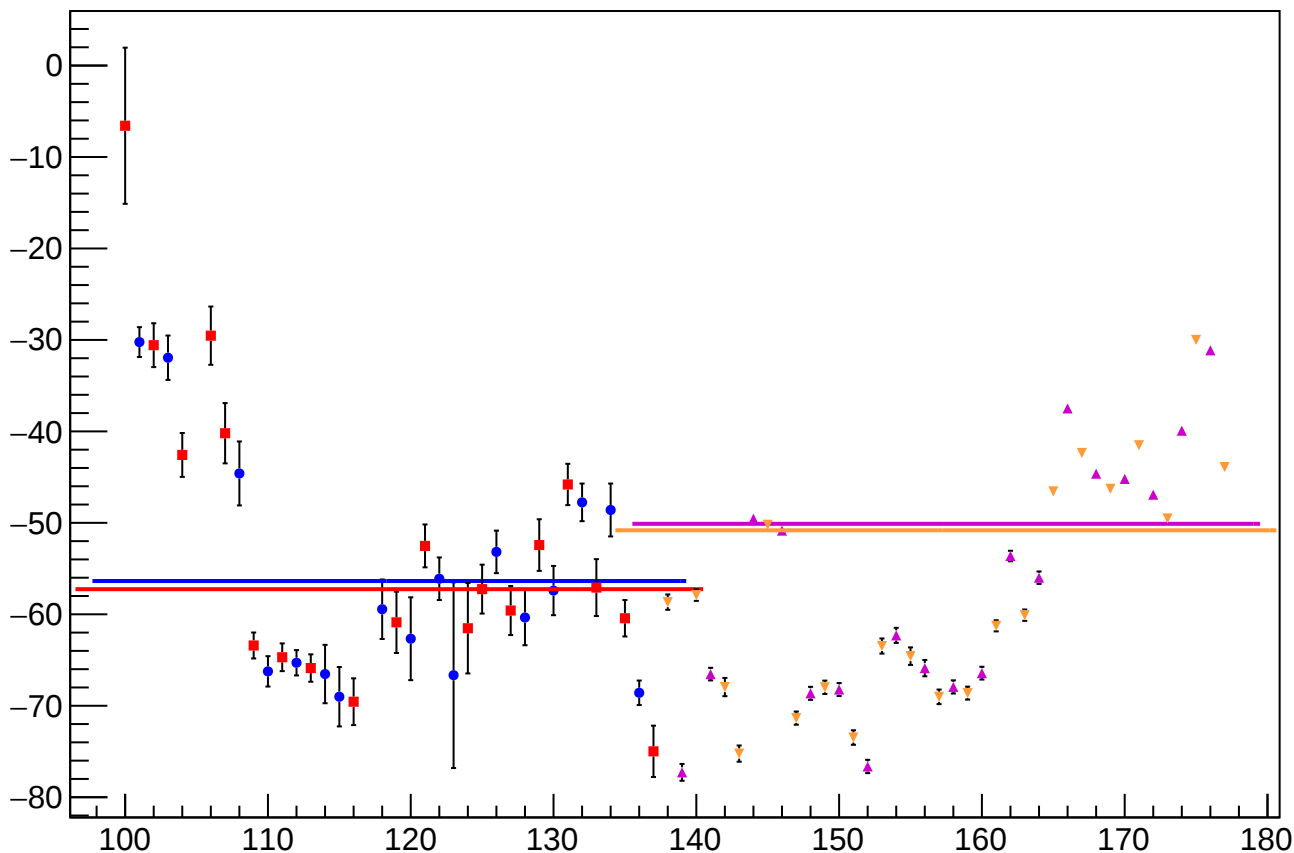
Right: 3.780 $\pm$ 0.221 χ^2 /NDF: 269.1/35

In: 4.234 $\pm$ 0.092 χ^2 /NDF:1487.8/35

Out: 4.443 $\pm$ 0.091 χ^2 /NDF:1930.6/39

All: 4.340 $\pm$ 0.065 χ^2 /NDF: 3421.0/75

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: -50.465 ± 0.089 $\chi^2/\text{NDF}: 20225.1/39$

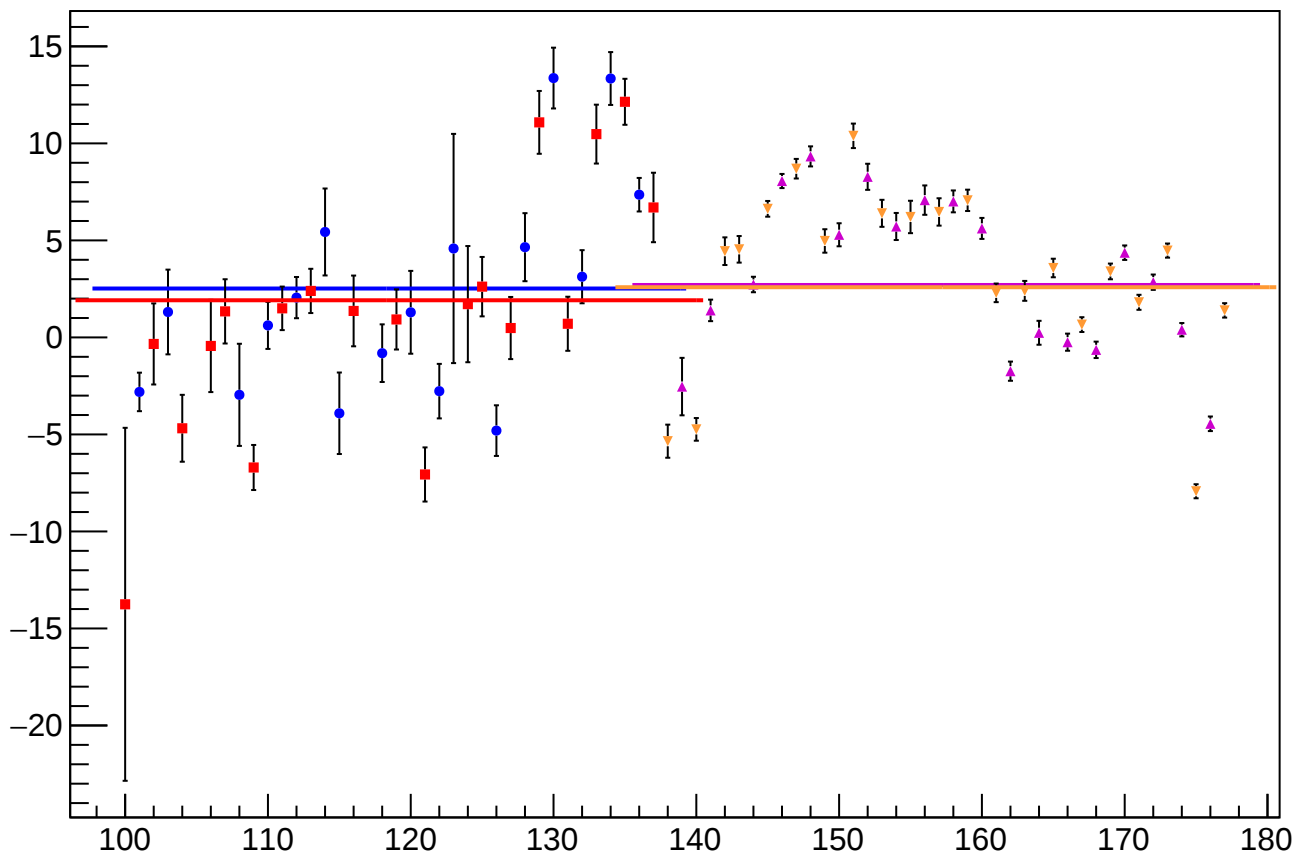
Right: -56.813 ± 0.382 $\chi^2/\text{NDF}: 1064.6/35$

In: -50.430 ± 0.124 $\chi^2/\text{NDF}: 10816.5/35$

Out: -51.149 ± 0.122 $\chi^2/\text{NDF}: 10718.3/39$

All: -50.795 ± 0.087 $\chi^2/\text{NDF}: 21552.0/75$

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: 2.586 ± 0.107 χ^2/NDF : 1737.9/20

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

Left In: 2.702 ± 0.110 χ^2/NDF : 1256.9/18

Left: 2.643 ± 0.077 χ^2/NDF : 2995.3/39

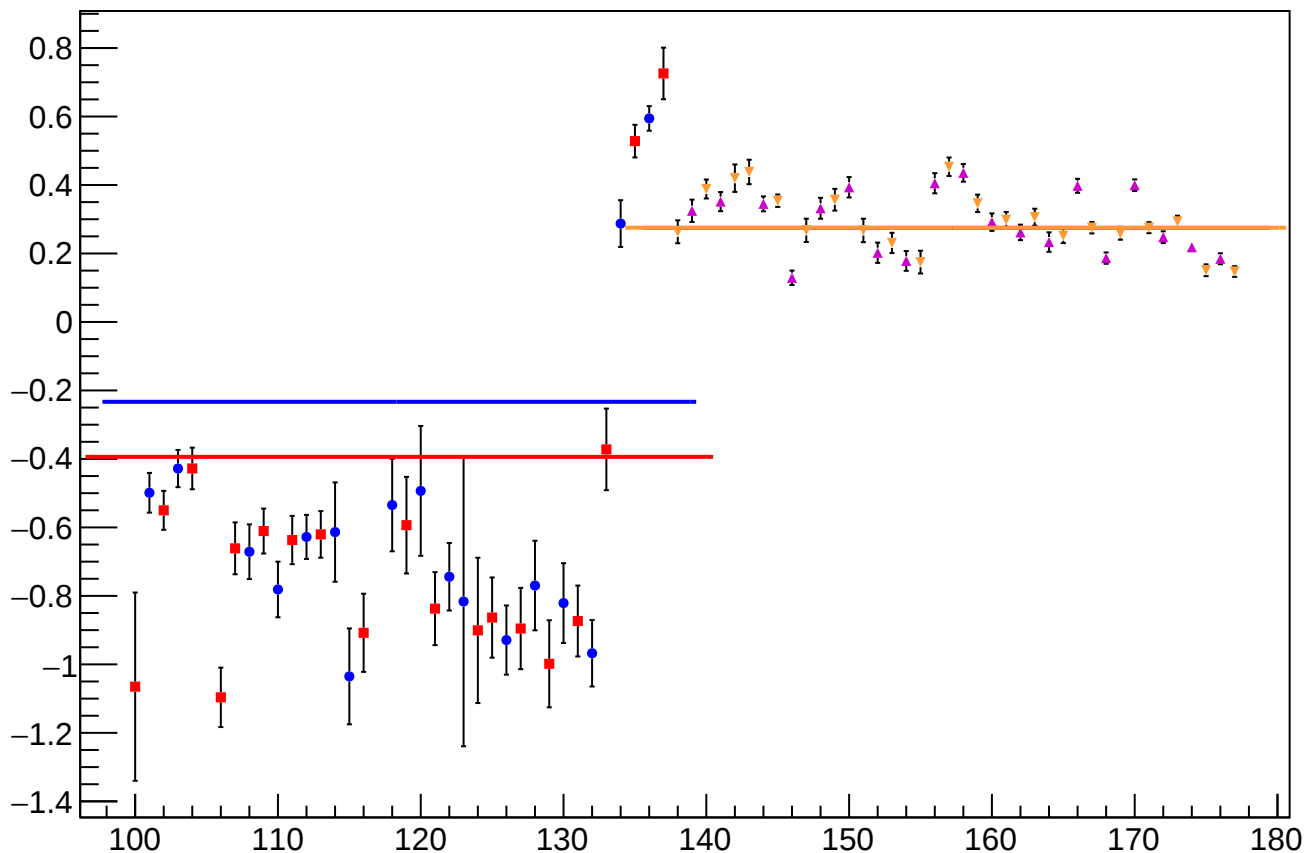
Right: 2.224 ± 0.248 χ^2/NDF : 508.4/35

In: 2.686 ± 0.105 χ^2/NDF : 1499.5/35

Out: 2.530 ± 0.103 χ^2/NDF : 2005.8/39

All: 2.606 ± 0.073 χ^2/NDF : 3506.3/75

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: 0.275 ± 0.005 χ^2/NDF : 263.8/20

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.275 ± 0.005 χ^2/NDF : 333.2/18

Left: 0.275 ± 0.004 χ^2/NDF : 597.0/39

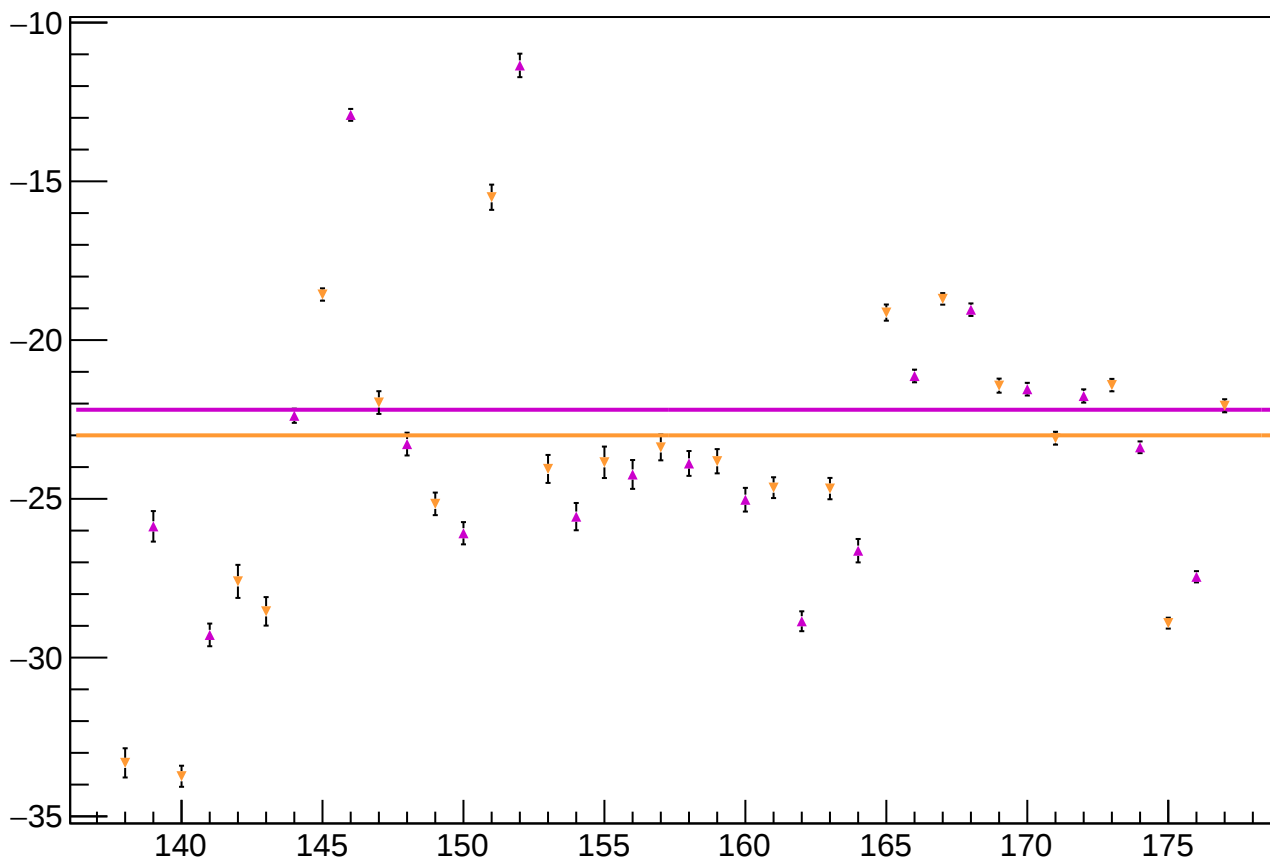
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.242 ± 0.005 χ^2/NDF : 1964.7/35

Out: 0.233 ± 0.005 χ^2/NDF : 2272.7/39

All: 0.237 ± 0.003 χ^2/NDF : 4239.0/75

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.000+/-0.059 χ^2/NDF :4872.4/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -22.194+/-0.059 χ^2/NDF :5875.6/18

Left: -22.597+/-0.042 χ^2/NDF : 10840.6/39

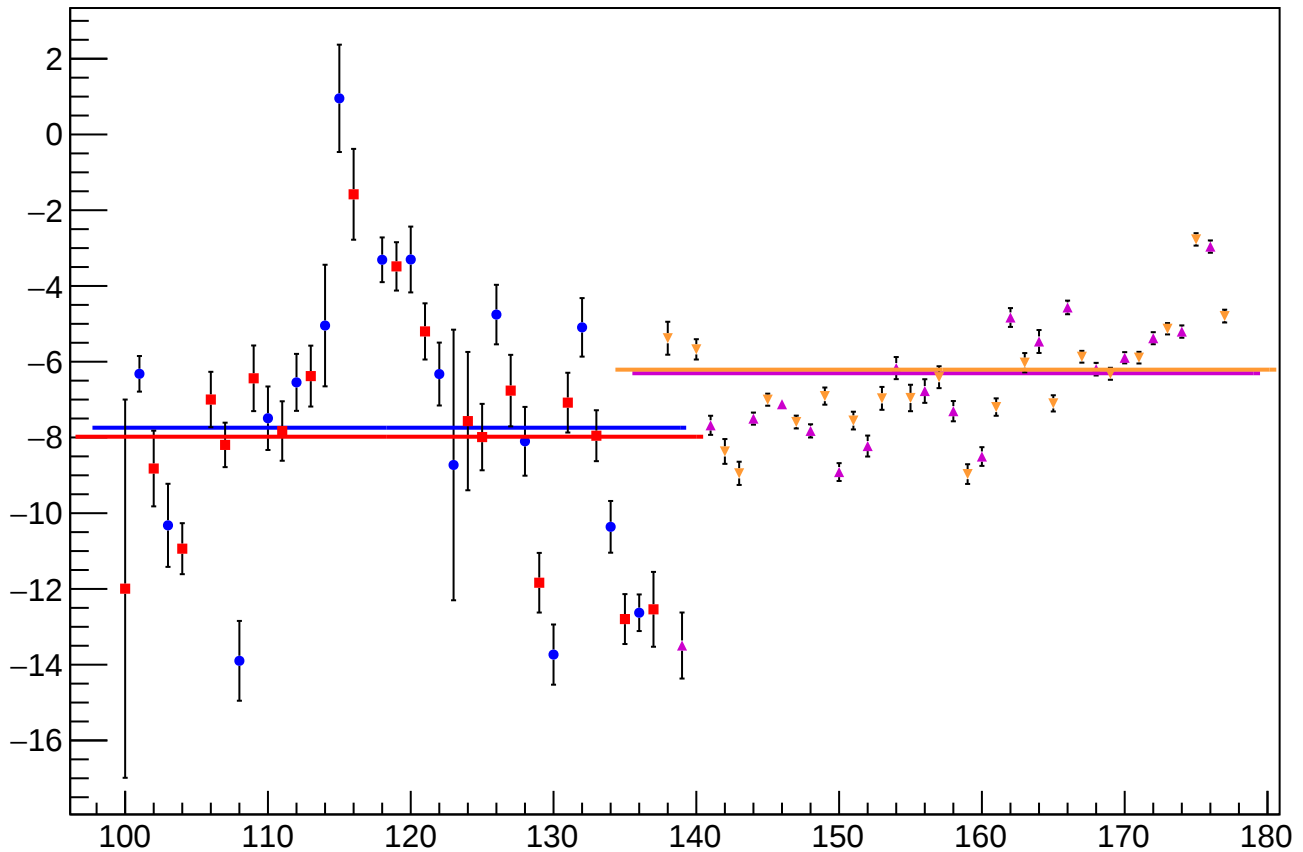
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -22.194+/-0.059 χ^2/NDF :5875.6/18

Out: -23.000+/-0.059 χ^2/NDF :4872.4/20

All: -22.597+/-0.042 χ^2/NDF : 10840.6/39

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -6.210 ± 0.045 χ^2/NDF : 993.7/20

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

Left In: -6.305 ± 0.045 χ^2/NDF : 1191.1/18

Left: -6.258 ± 0.032 χ^2/NDF : 2187.0/39

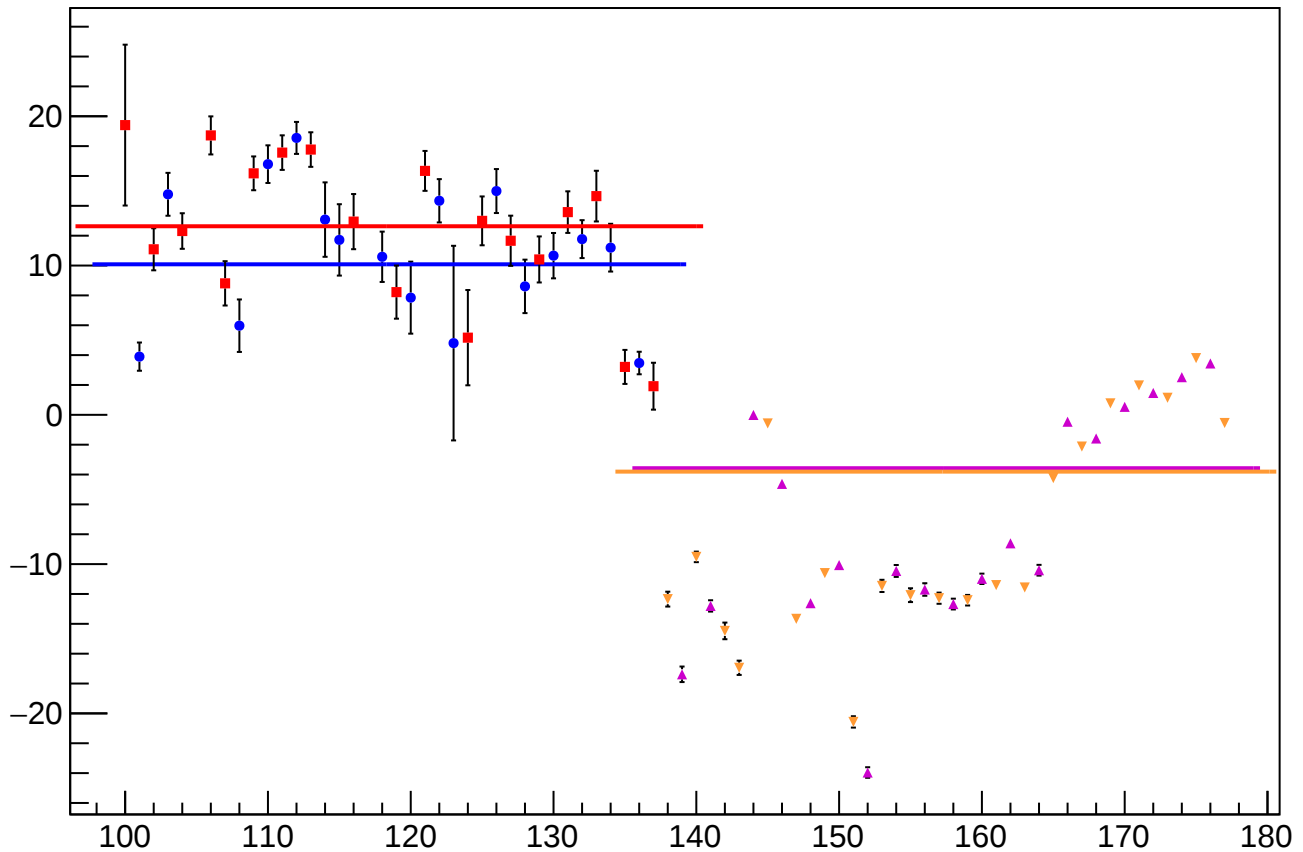
Right: -7.863 ± 0.132 χ^2/NDF : 601.9/35

In: -6.382 ± 0.044 χ^2/NDF : 1624.5/35

Out: -6.308 ± 0.044 χ^2/NDF : 1303.0/39

All: -6.346 ± 0.031 χ^2/NDF : 2928.9/75

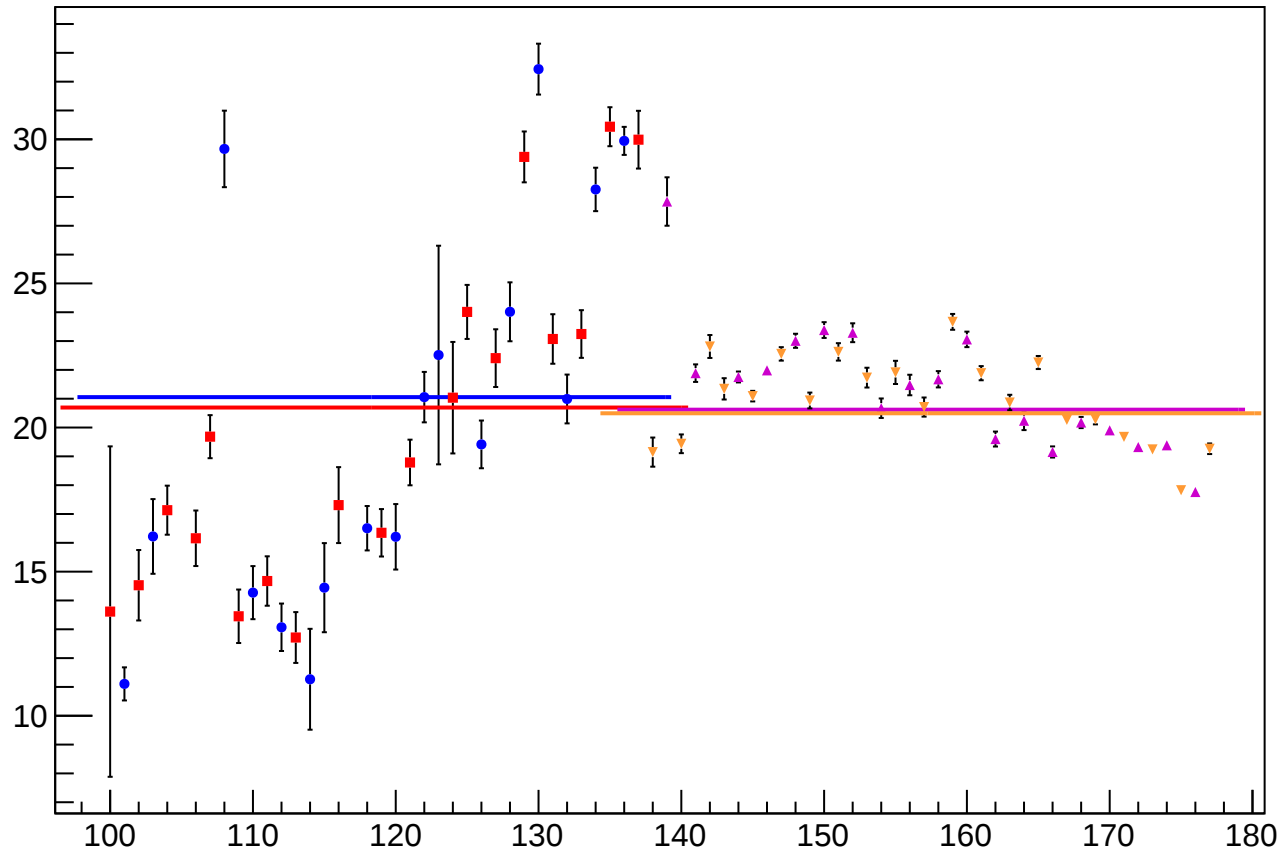
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$
 Left Out: -3.804 ± 0.059 $\chi^2/\text{NDF}: 12186.1/20$
 Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$
 Left In: -3.576 ± 0.059 $\chi^2/\text{NDF}: 12215.7/18$

Left: -3.690 ± 0.042 $\chi^2/\text{NDF}: 24409.1/39$
 Right: 11.377 ± 0.237 $\chi^2/\text{NDF}: 500.1/35$
 In: -3.169 ± 0.058 $\chi^2/\text{NDF}: 14053.5/35$
 Out: -3.297 ± 0.058 $\chi^2/\text{NDF}: 14770.5/39$
 All: -3.233 ± 0.041 $\chi^2/\text{NDF}: 28826.5/75$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 20.494 $\pm$ 0.051 χ^2 /NDF:820.3/20

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

Left In: 20.619 $\pm$ 0.051 χ^2 /NDF:1052.2/18

Left: 20.556 $\pm$ 0.036 χ^2 /NDF: 1875.5/39

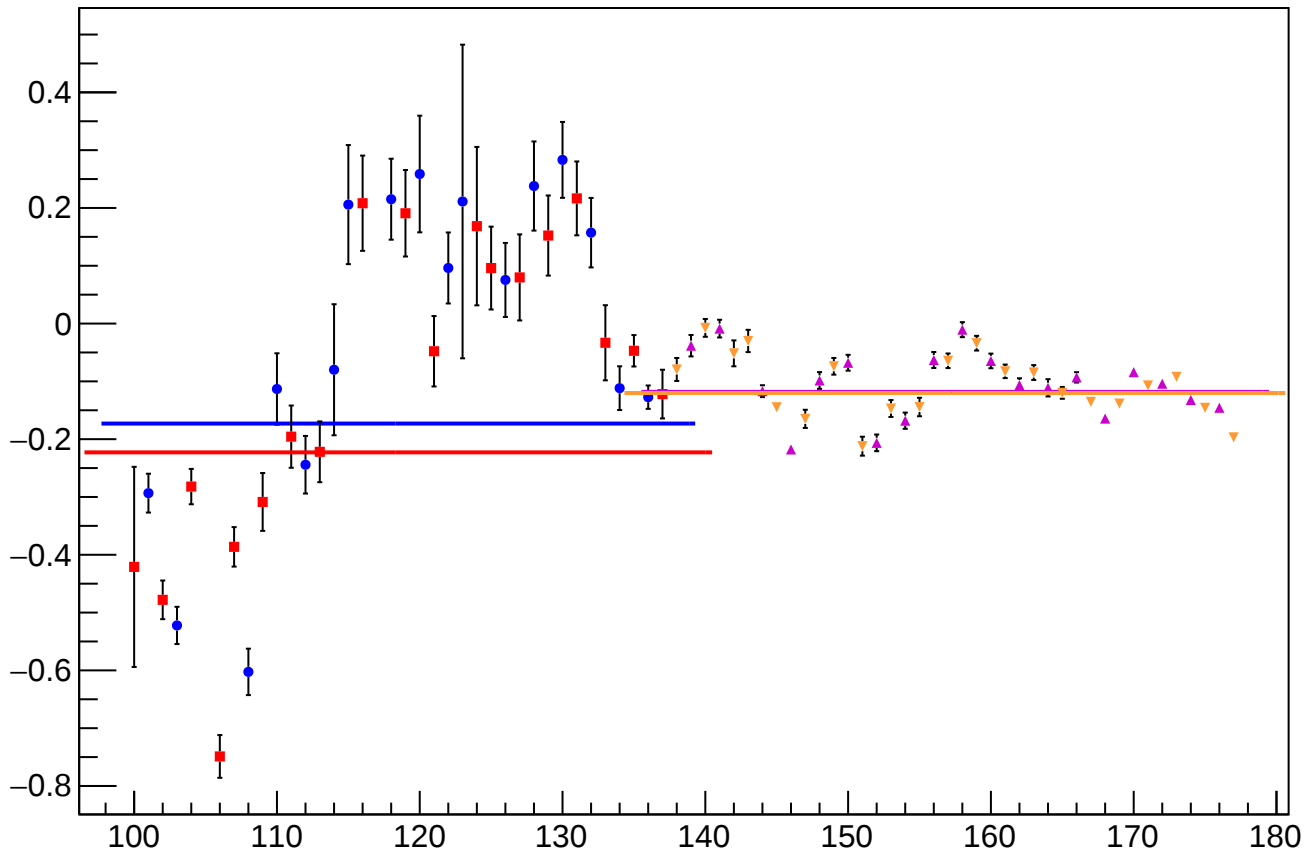
Right: 20.876 $\pm$ 0.150 χ^2 /NDF: 1937.3/35

In: 20.643 $\pm$ 0.050 χ^2 /NDF:2268.0/35

Out: 20.505 $\pm$ 0.049 χ^2 /NDF:1545.3/39

All: 20.574 $\pm$ 0.035 χ^2 /NDF: 3817.2/75

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: -0.120 ± 0.002 χ^2/NDF : 372.3/20

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.118 ± 0.002 χ^2/NDF : 465.6/18

Left: -0.119 ± 0.002 χ^2/NDF : 838.2/39

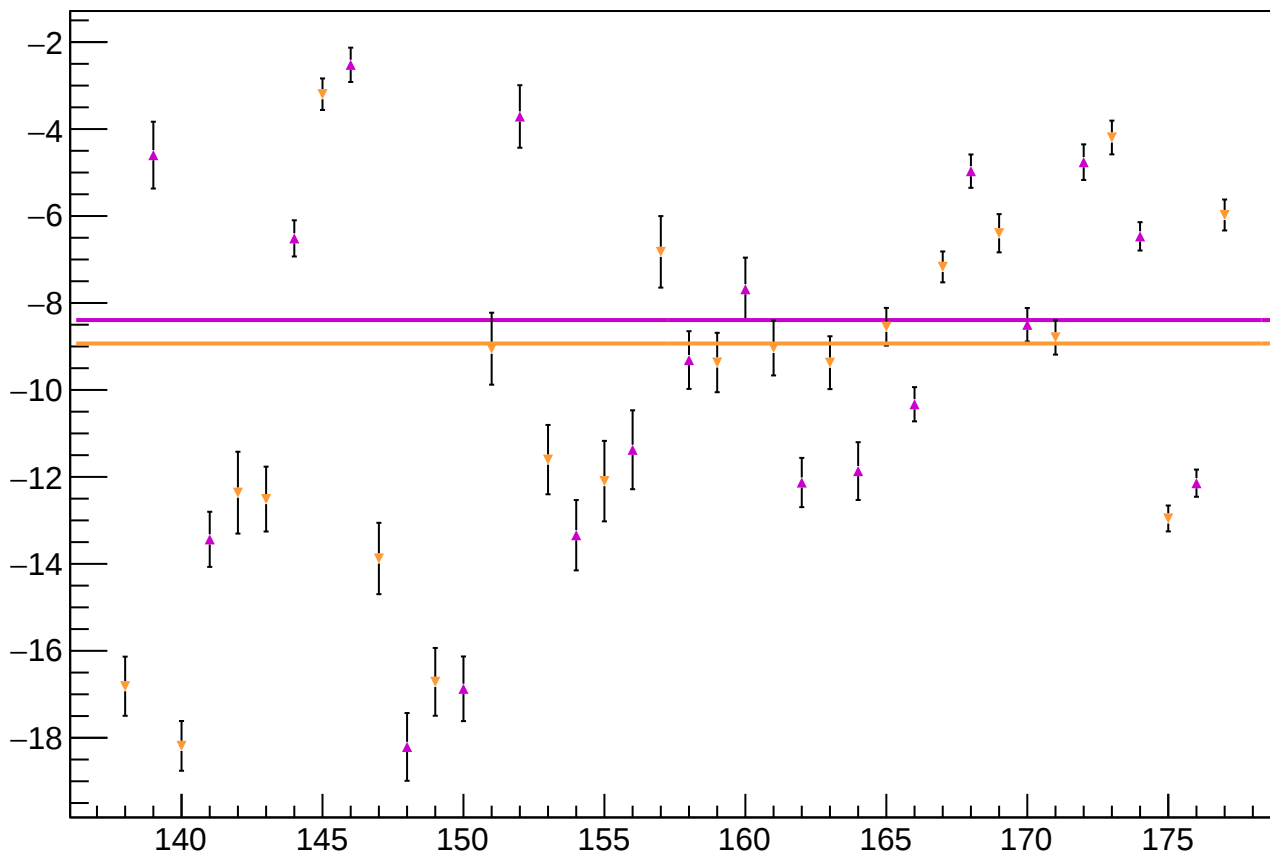
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.120 ± 0.002 χ^2/NDF : 950.3/35

Out: -0.125 ± 0.002 χ^2/NDF : 991.4/39

All: -0.123 ± 0.002 χ^2/NDF : 1943.4/75

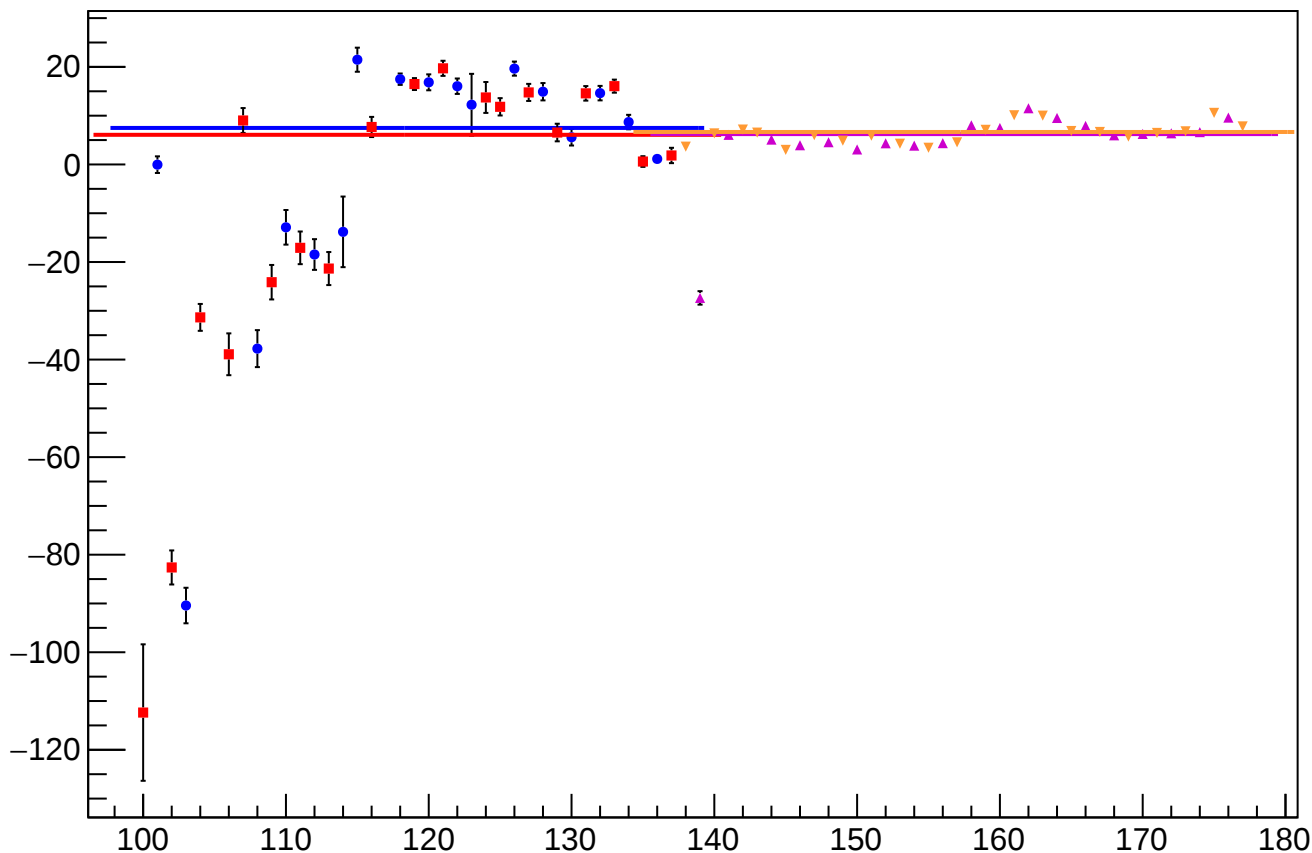
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.932 $\pm$ 0.110 χ^2 /NDF:1308.1/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.393 $\pm$ 0.112 χ^2 /NDF:1143.8/18

Left: -8.667 $\pm$ 0.079 χ^2 /NDF: 2463.6/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -8.393 $\pm$ 0.112 χ^2 /NDF:1143.8/18
 Out: -8.932 $\pm$ 0.110 χ^2 /NDF:1308.1/20
 All: -8.667 $\pm$ 0.079 χ^2 /NDF: 2463.6/39

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: 6.659 ± 0.085 $\chi^2/\text{NDF}: 588.8/20$

Right Out: 6.078 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 6.224 ± 0.086 $\chi^2/\text{NDF}: 1148.0/18$

Left: 6.445 ± 0.060 $\chi^2/\text{NDF}: 1749.8/39$

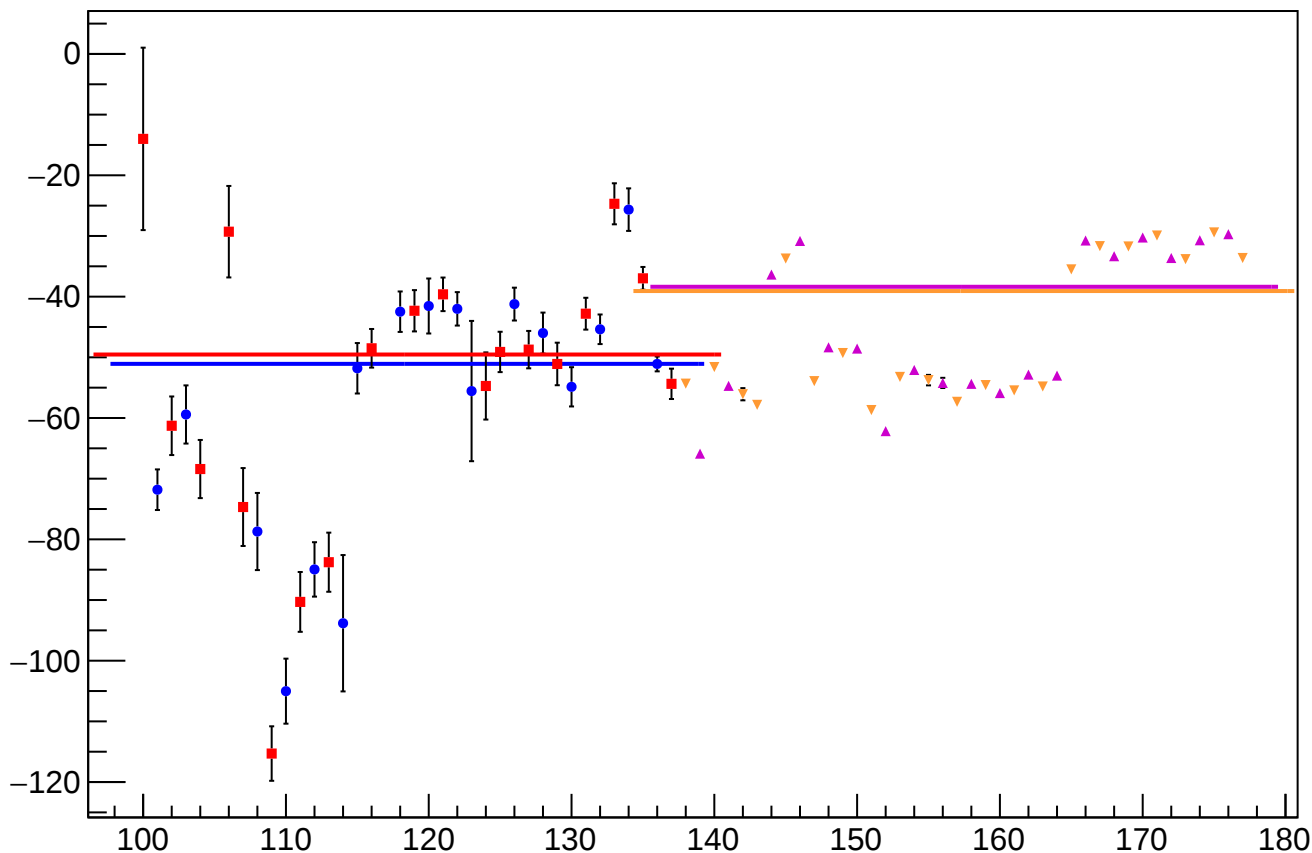
Right: 6.829 ± 0.297 $\chi^2/\text{NDF}: 2858.2/35$

In: 6.278 ± 0.084 $\chi^2/\text{NDF}: 2497.8/35$

Out: 6.637 ± 0.083 $\chi^2/\text{NDF}: 2102.6/39$

All: 6.460 ± 0.059 $\chi^2/\text{NDF}: 4609.6/75$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -39.076 ± 0.111 χ^2/NDF : 9101.5/20

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

Left In: -38.372 ± 0.112 χ^2/NDF : 9306.5/18

Left: -38.730 ± 0.079 χ^2/NDF : 18427.9/39

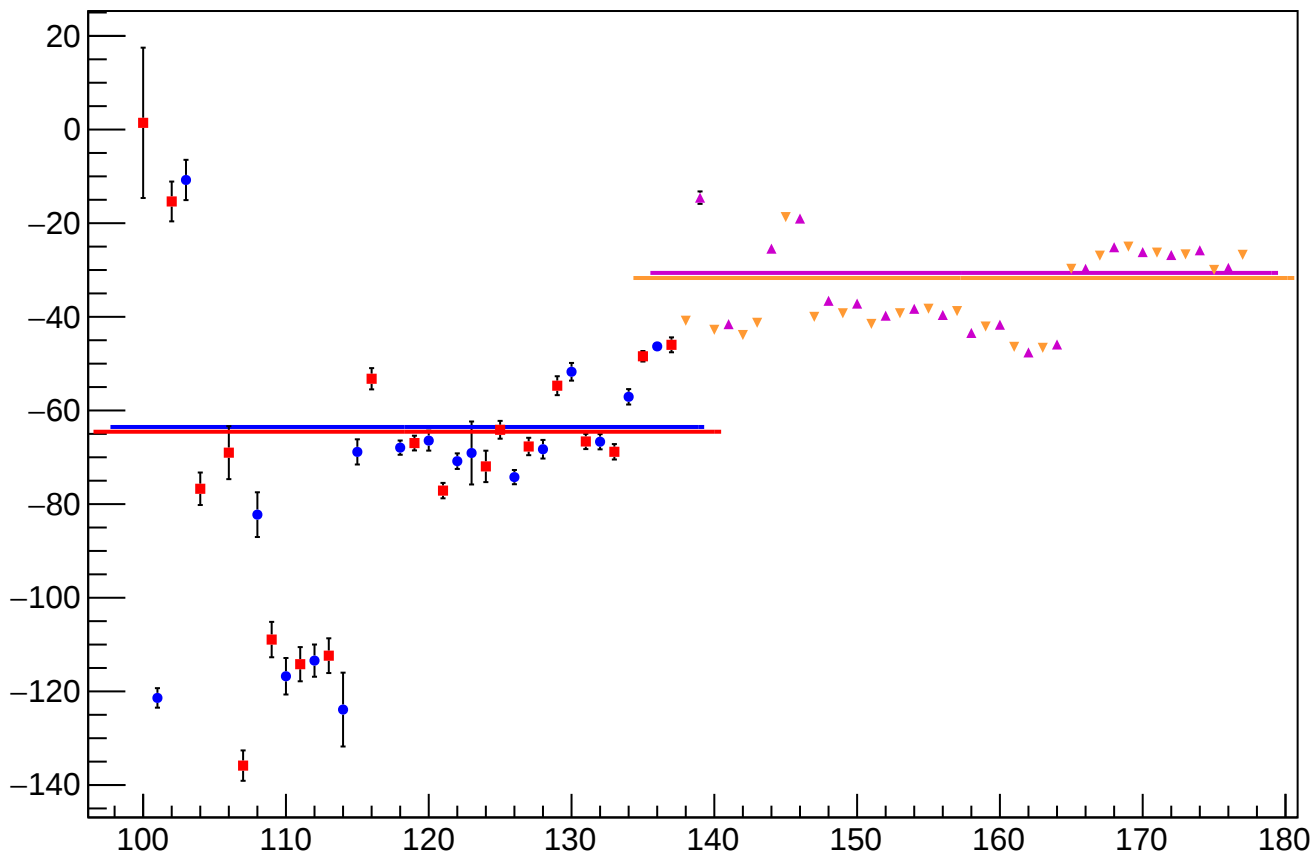
Right: -50.365 ± 0.543 χ^2/NDF : 841.8/35

In: -38.658 ± 0.111 χ^2/NDF : 9924.2/35

Out: -39.273 ± 0.110 χ^2/NDF : 9779.5/39

All: -38.970 ± 0.078 χ^2/NDF : 19719.2/75

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: -31.707 ± 0.095 χ^2/NDF : 7300.7/20

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

Left In: -30.618 ± 0.097 χ^2/NDF : 6854.3/18

Left: -31.176 ± 0.068 χ^2/NDF : 14219.0/39

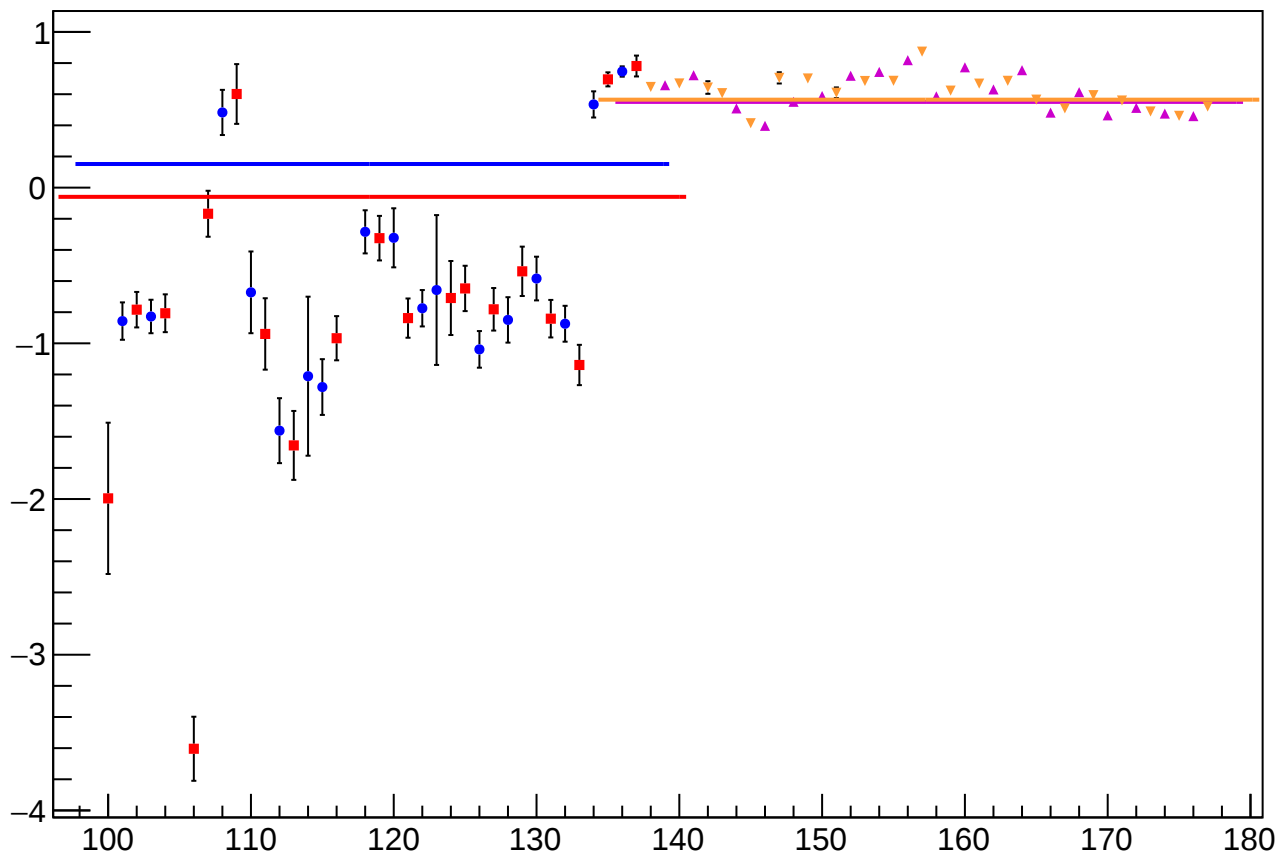
Right: -63.995 ± 0.329 χ^2/NDF : 3616.4/35

In: -32.102 ± 0.095 χ^2/NDF : 14002.0/35

Out: -32.934 ± 0.093 χ^2/NDF : 13352.7/39

All: -32.527 ± 0.067 χ^2/NDF : 27393.6/75

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.565 ± 0.004 χ^2/NDF : 508.3/20

Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18

Left In: 0.551 ± 0.004 χ^2/NDF : 630.3/18

Left: 0.558 ± 0.003 χ^2/NDF : 1143.9/39

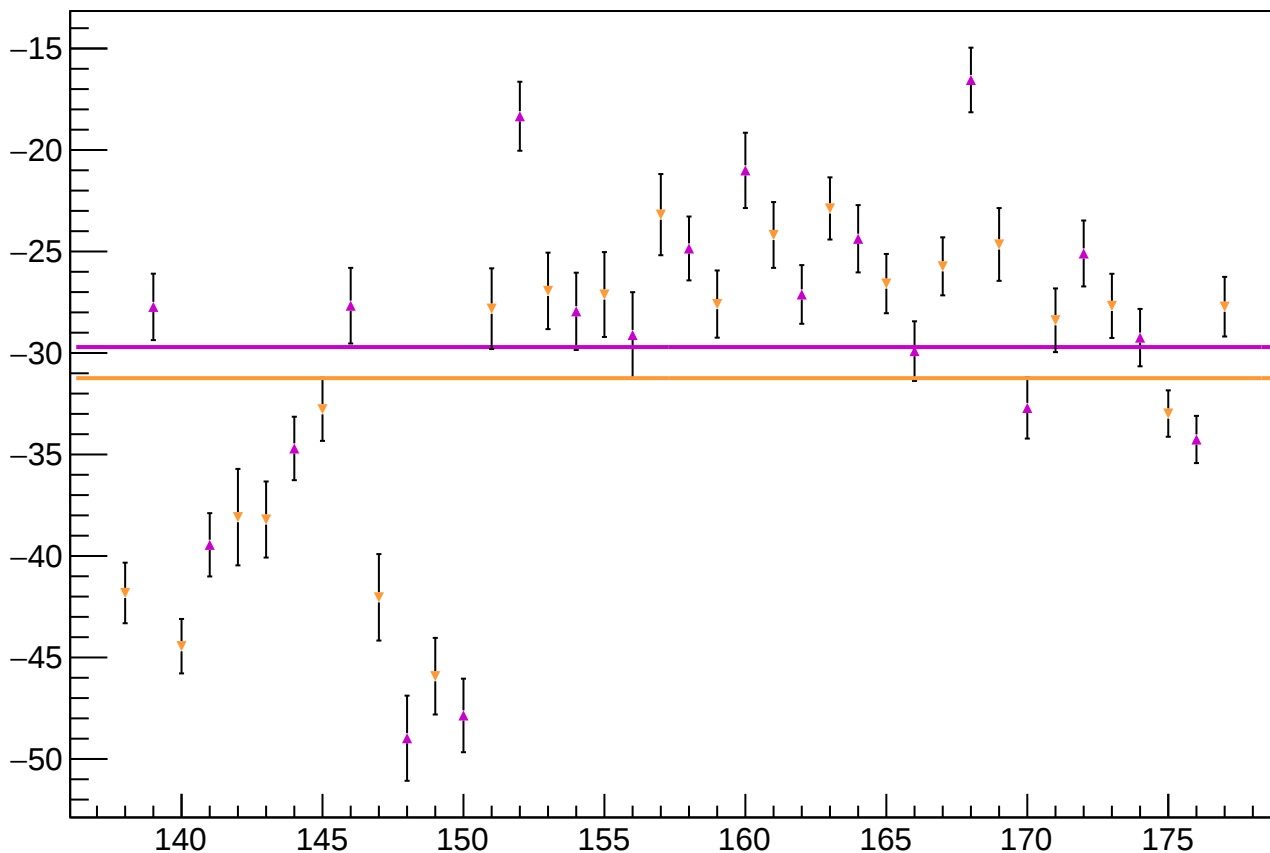
Right: 0.056 ± 0.018 χ^2/NDF : 2184.3/35

In: 0.538 ± 0.004 χ^2/NDF : 1884.1/35

Out: 0.548 ± 0.004 χ^2/NDF : 2218.6/39

All: 0.543 ± 0.003 χ^2/NDF : 4105.8/75

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.239+/-0.356 χ^2/NDF :393.3/20

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

Left In: -29.708+/-0.370 χ^2/NDF :423.4/18

Left: -30.501+/-0.257 χ^2/NDF : 825.5/39

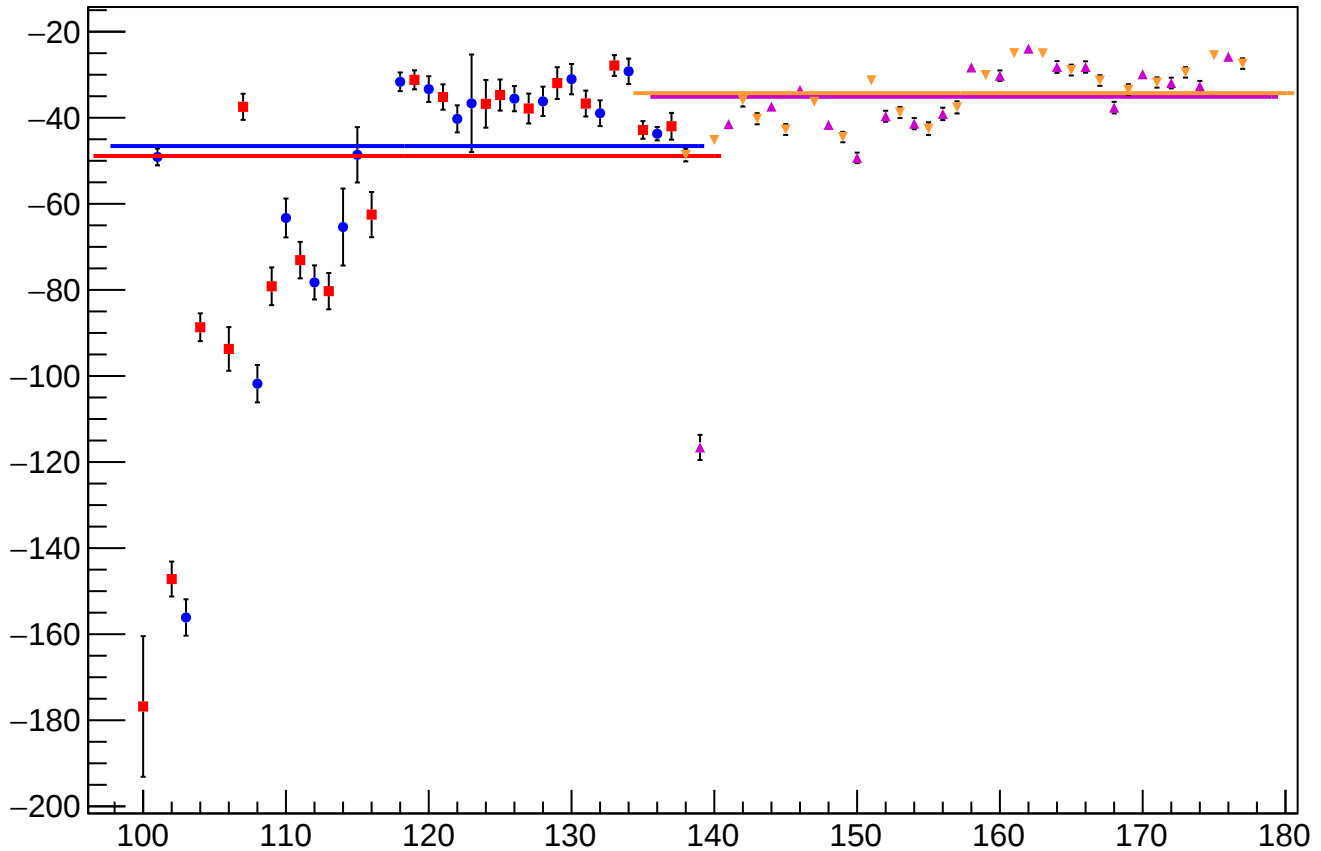
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.708+/-0.370 χ^2/NDF :423.4/18

Out: -31.239+/-0.356 χ^2/NDF :393.3/20

All: -30.501+/-0.257 χ^2/NDF : 825.5/39

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -34.280 ± 0.268 $\chi^2/\text{NDF}: 673.2/20$

Right Out: -48.888 ± 0.763 $\chi^2/\text{NDF}: 1277.5/18$

Left In: -35.122 ± 0.281 $\chi^2/\text{NDF}: 1341.6/18$

Left: -34.680 ± 0.194 $\chi^2/\text{NDF}: 2019.6/39$

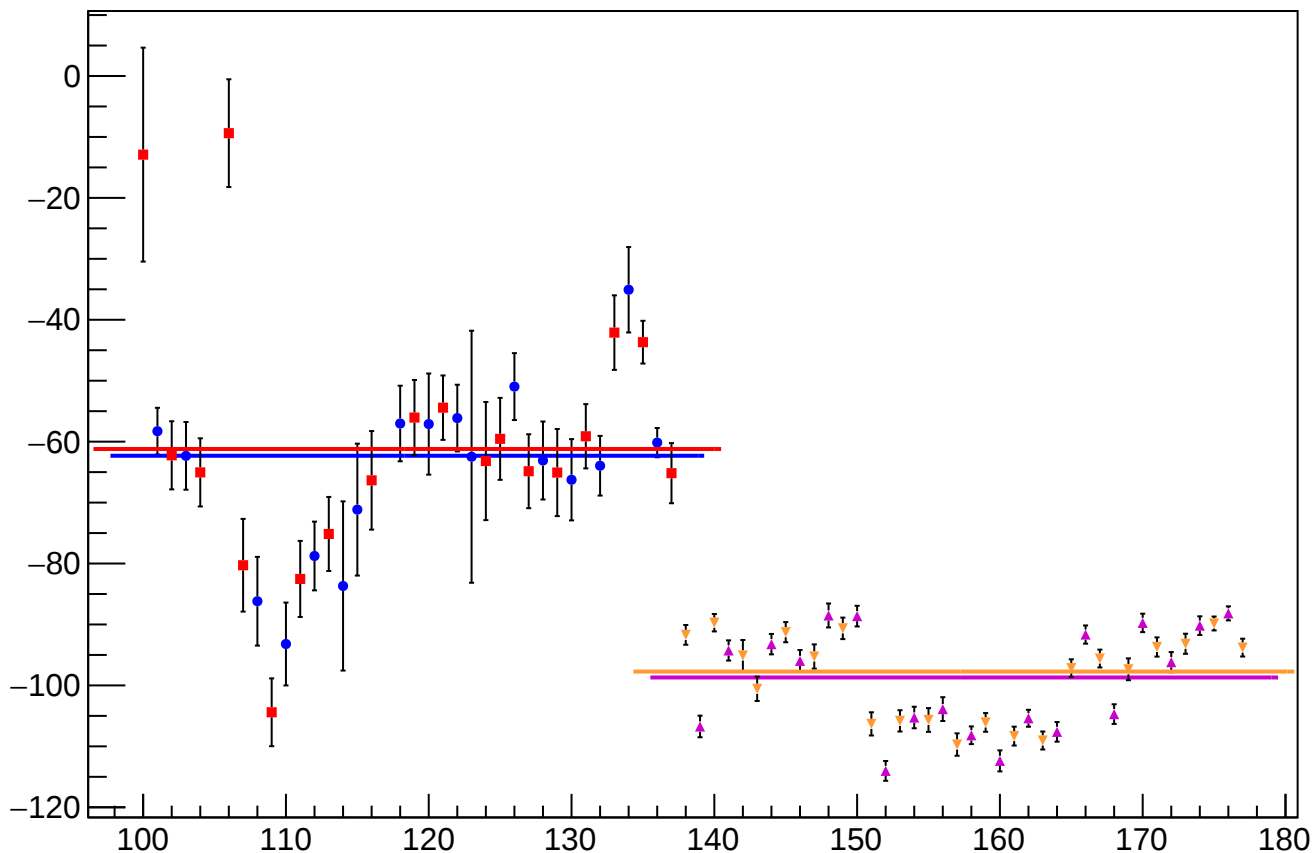
Right: -47.681 ± 0.527 $\chi^2/\text{NDF}: 2358.7/35$

In: -36.603 ± 0.262 $\chi^2/\text{NDF}: 2632.7/35$

Out: -35.878 ± 0.253 $\chi^2/\text{NDF}: 2276.8/39$

All: -36.227 ± 0.182 $\chi^2/\text{NDF}: 4913.4/75$

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: -97.729 ± 0.355 χ^2/NDF : 388.5/20

Right Out: -61.203 ± 1.381 χ^2/NDF : 165.0/18

Left In: -98.698 ± 0.366 χ^2/NDF : 559.5/18

Left: -98.198 ± 0.255 χ^2/NDF : 951.6/39

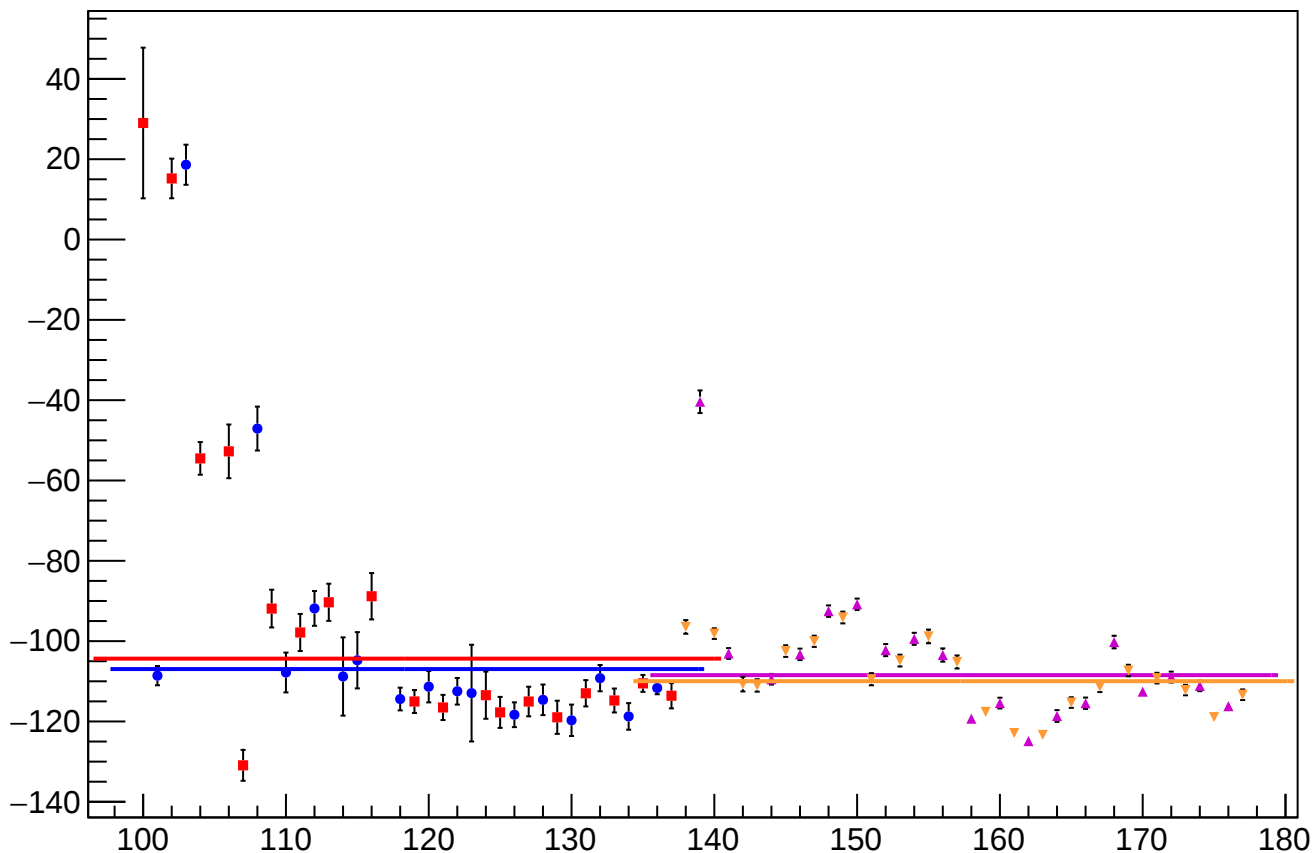
Right: -61.786 ± 0.953 χ^2/NDF : 232.5/35

In: -96.078 ± 0.353 χ^2/NDF : 1336.3/35

Out: -95.465 ± 0.344 χ^2/NDF : 1209.7/39

All: -95.763 ± 0.246 χ^2/NDF : 2547.6/75

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -109.973 ± 0.304 $\chi^2/\text{NDF}: 766.4/20$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -108.468 ± 0.318 $\chi^2/\text{NDF}: 1417.8/18$

Left: -109.255 ± 0.220 $\chi^2/\text{NDF}: 2195.9/39$

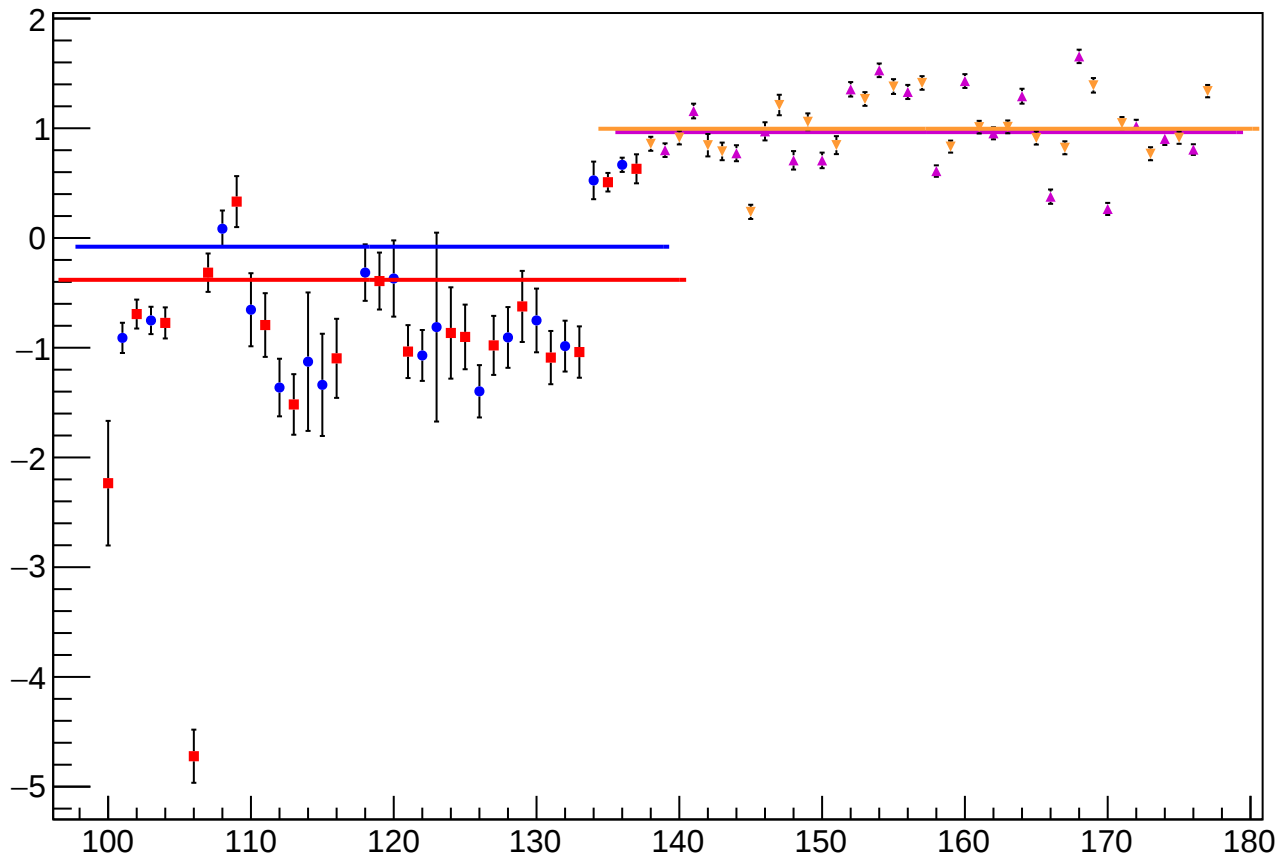
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -108.269 ± 0.296 $\chi^2/\text{NDF}: 2248.0/35$

Out: -109.351 ± 0.286 $\chi^2/\text{NDF}: 1825.2/39$

All: -108.829 ± 0.206 $\chi^2/\text{NDF}: 4080.1/75$

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: 0.996 ± 0.014 χ^2/NDF : 367.0/20

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 0.965 ± 0.014 χ^2/NDF : 700.8/18

Left: 0.980 ± 0.010 χ^2/NDF : 1070.2/39

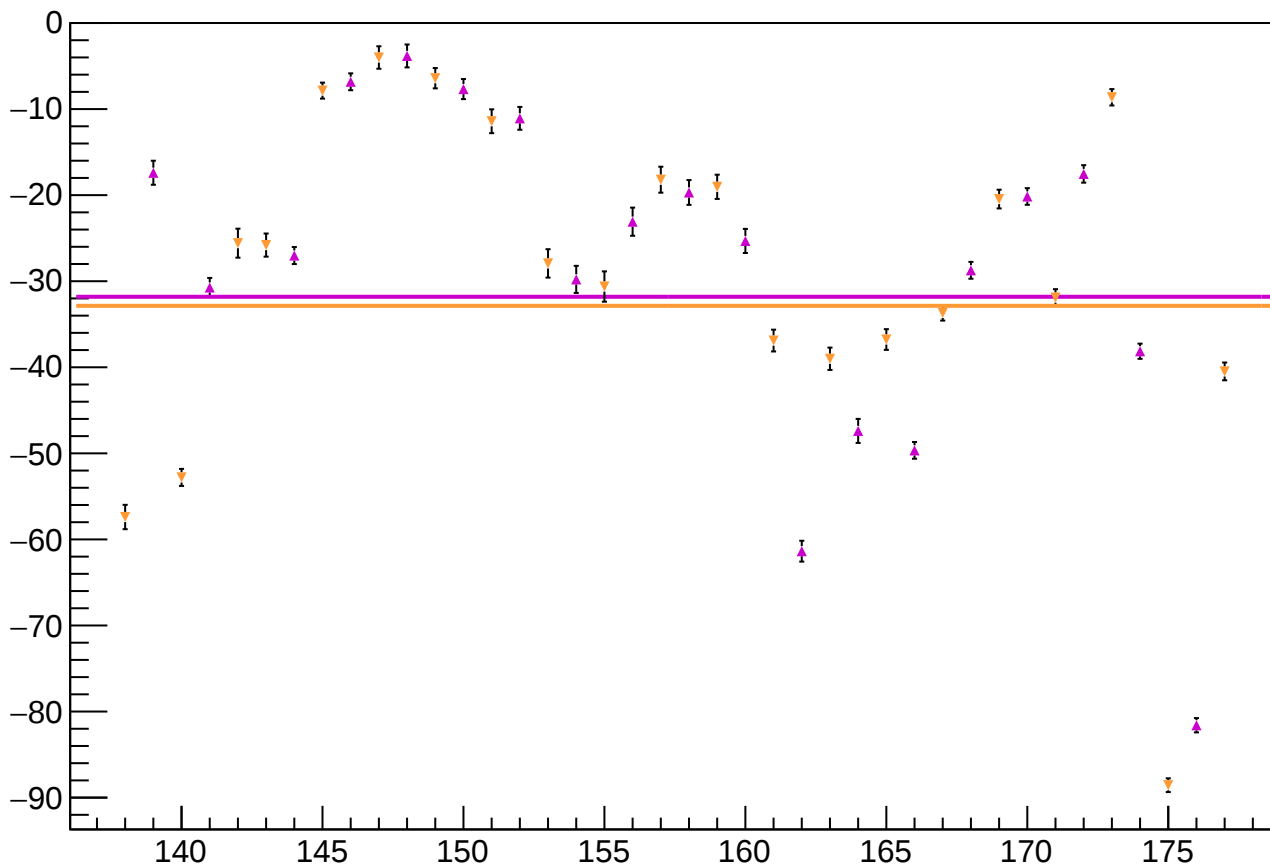
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.858 ± 0.014 χ^2/NDF : 1577.3/35

Out: 0.869 ± 0.013 χ^2/NDF : 1836.3/39

All: 0.864 ± 0.009 χ^2/NDF : 3414.0/75

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -32.858 $\pm$ 0.252 χ^2 /NDF:8632.5/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -31.807 $\pm$ 0.257 χ^2 /NDF:7063.0/18

Left: -32.344 $\pm$ 0.180 χ^2 /NDF: 15704.0/39

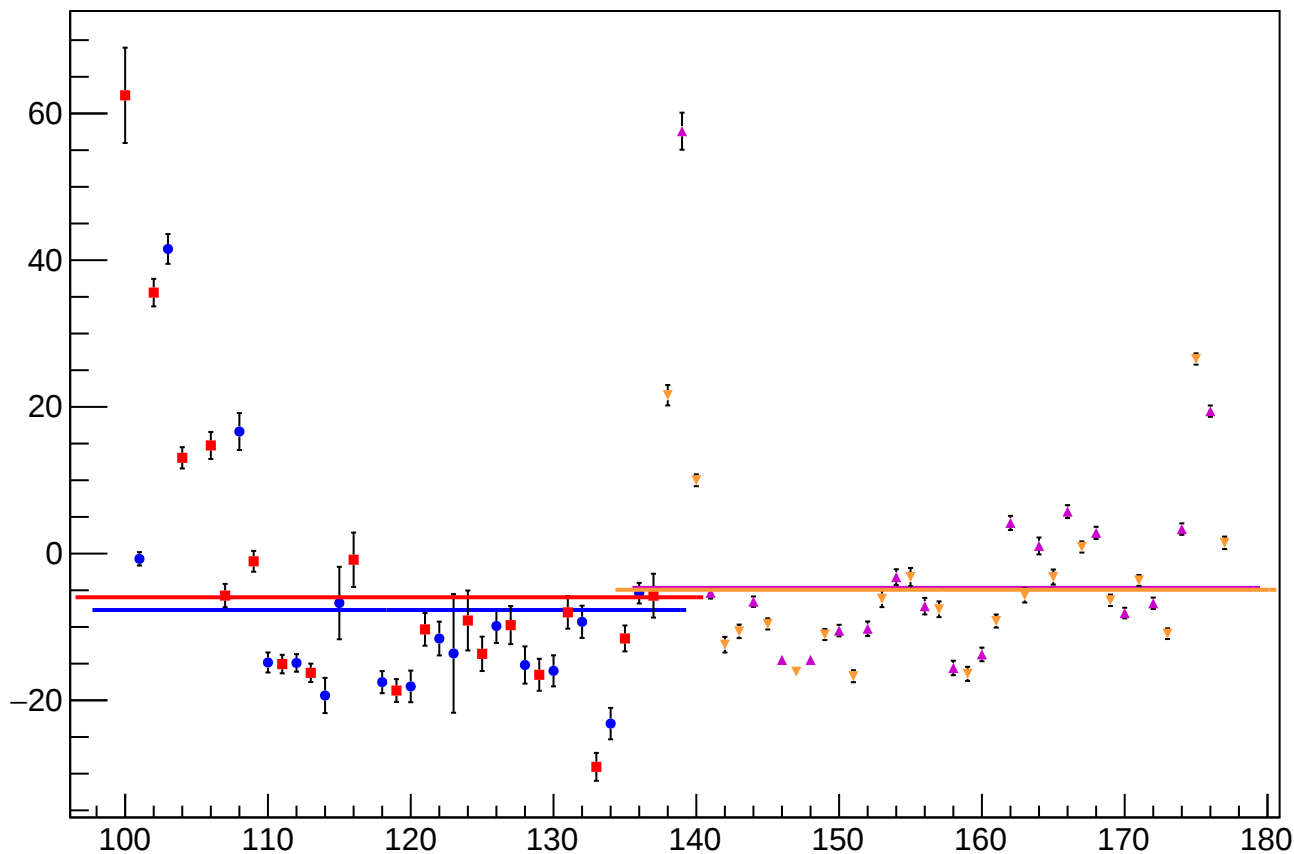
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -31.807 $\pm$ 0.257 χ^2 /NDF:7063.0/18

Out: -32.858 $\pm$ 0.252 χ^2 /NDF:8632.5/20

All: -32.344 $\pm$ 0.180 χ^2 /NDF: 15704.0/39

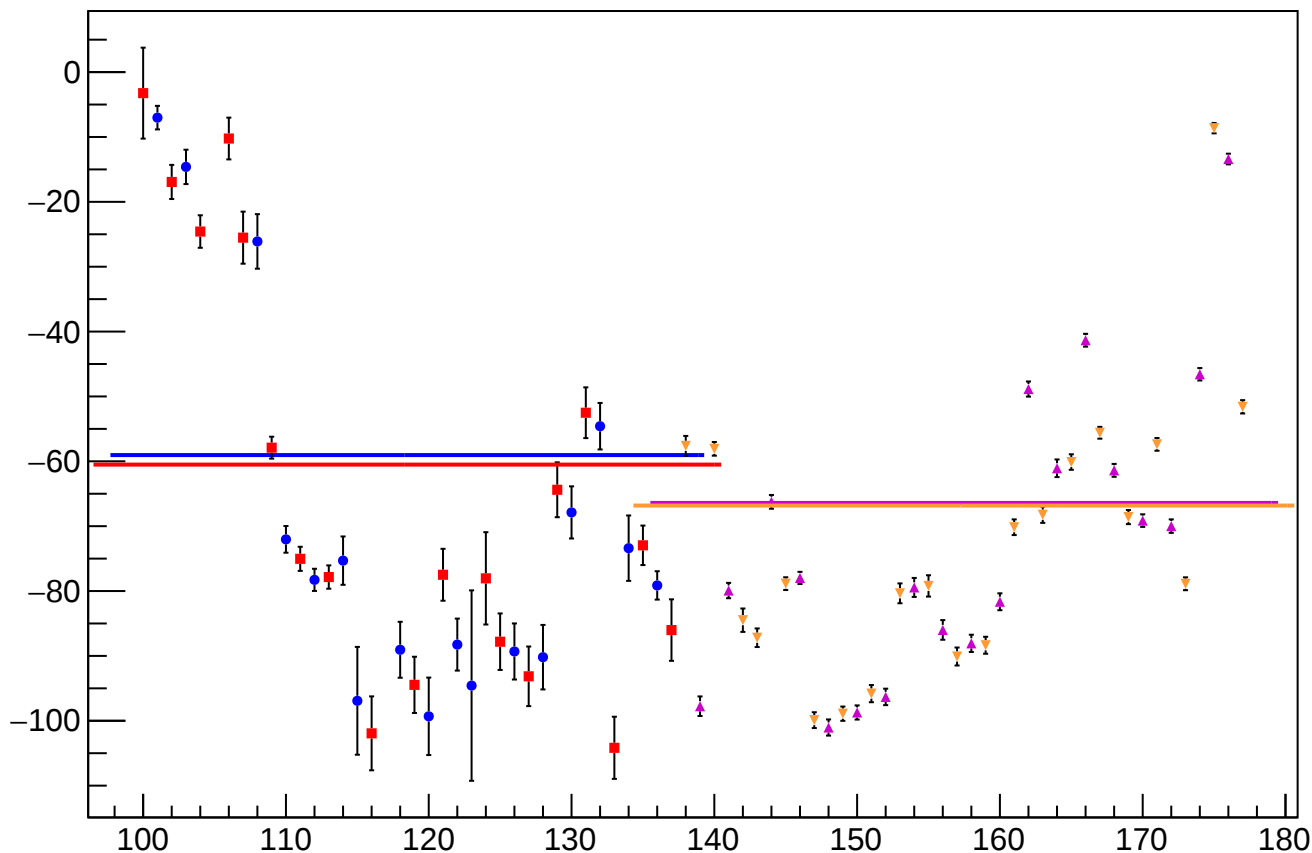
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16
 Left Out: -4.932 ± 0.188 χ^2/NDF : 3464.6/20
 Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18
 Left In: -4.674 ± 0.194 χ^2/NDF : 2846.4/18

Left: -4.807 ± 0.135 χ^2/NDF : 6311.9/39
 Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35
 In: -5.182 ± 0.176 χ^2/NDF : 3863.1/35
 Out: -5.096 ± 0.172 χ^2/NDF : 4767.4/39
 All: -5.138 ± 0.123 χ^2/NDF : 8630.7/75

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -66.819 ± 0.252 χ^2/NDF : 9238.3/20

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

Left In: -66.414 ± 0.256 χ^2/NDF : 9069.3/18

Left: -66.620 ± 0.180 χ^2/NDF : 18308.9/39

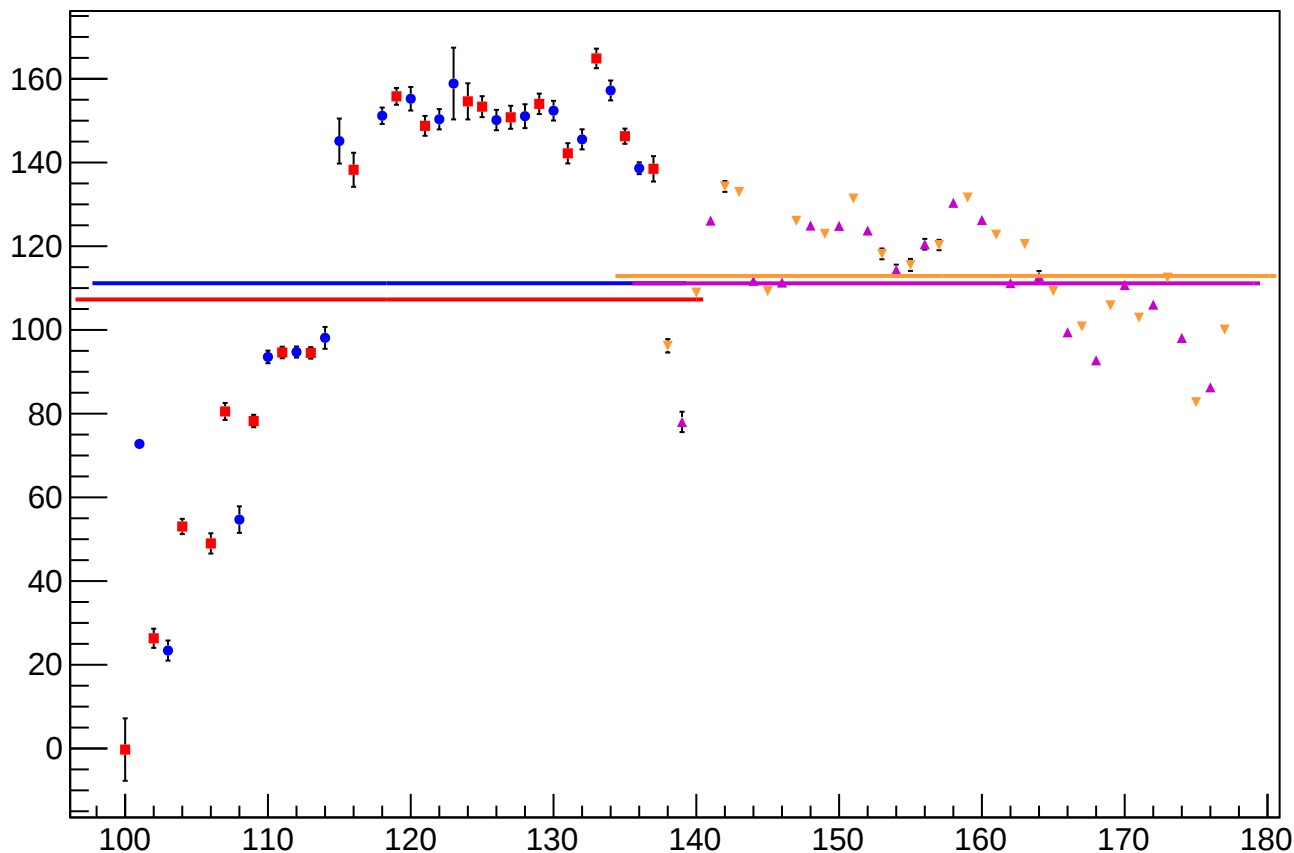
Right: -59.815 ± 0.512 χ^2/NDF : 3096.4/35

In: -65.634 ± 0.243 χ^2/NDF : 10866.3/35

Out: -66.103 ± 0.237 χ^2/NDF : 10694.3/39

All: -65.874 ± 0.170 χ^2/NDF : 21562.5/75

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: 112.899 $\pm$ 0.214 χ^2 /NDF:3989.7/20

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

Left In: 111.136 $\pm$ 0.221 χ^2 /NDF:3334.5/18

Left: 112.045 $\pm$ 0.154 χ^2 /NDF: 7357.0/39

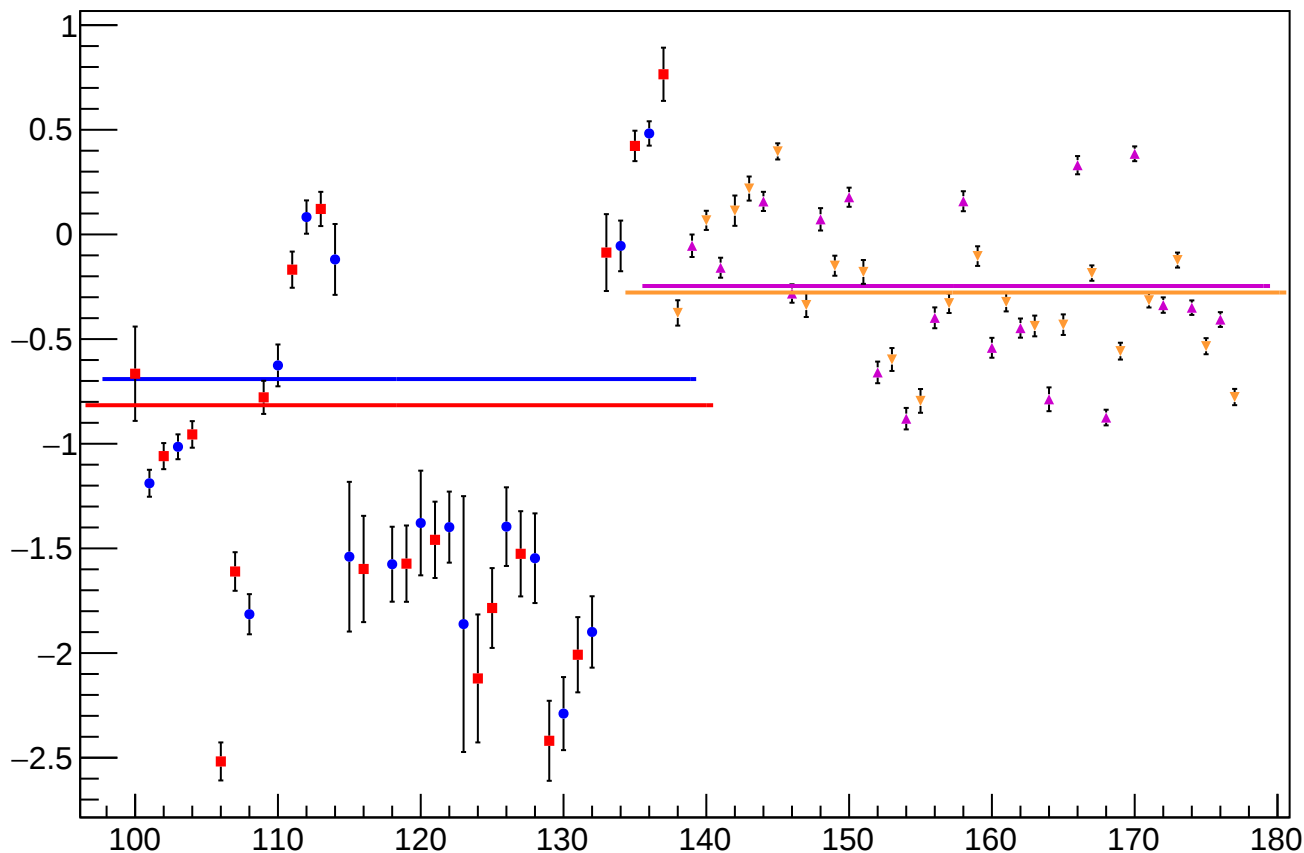
Right: 109.217 $\pm$ 0.345 χ^2 /NDF: 12964.2/35

In: 111.140 $\pm$ 0.201 χ^2 /NDF:9212.1/35

Out: 111.990 $\pm$ 0.196 χ^2 /NDF:11156.0/39

All: 111.576 $\pm$ 0.141 χ^2 /NDF: 20377.2/75

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: -0.277 ± 0.010 χ^2/NDF : 917.3/20

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

Left In: -0.246 ± 0.010 χ^2/NDF : 1475.2/18

Left: -0.262 ± 0.007 χ^2/NDF : 2397.4/39

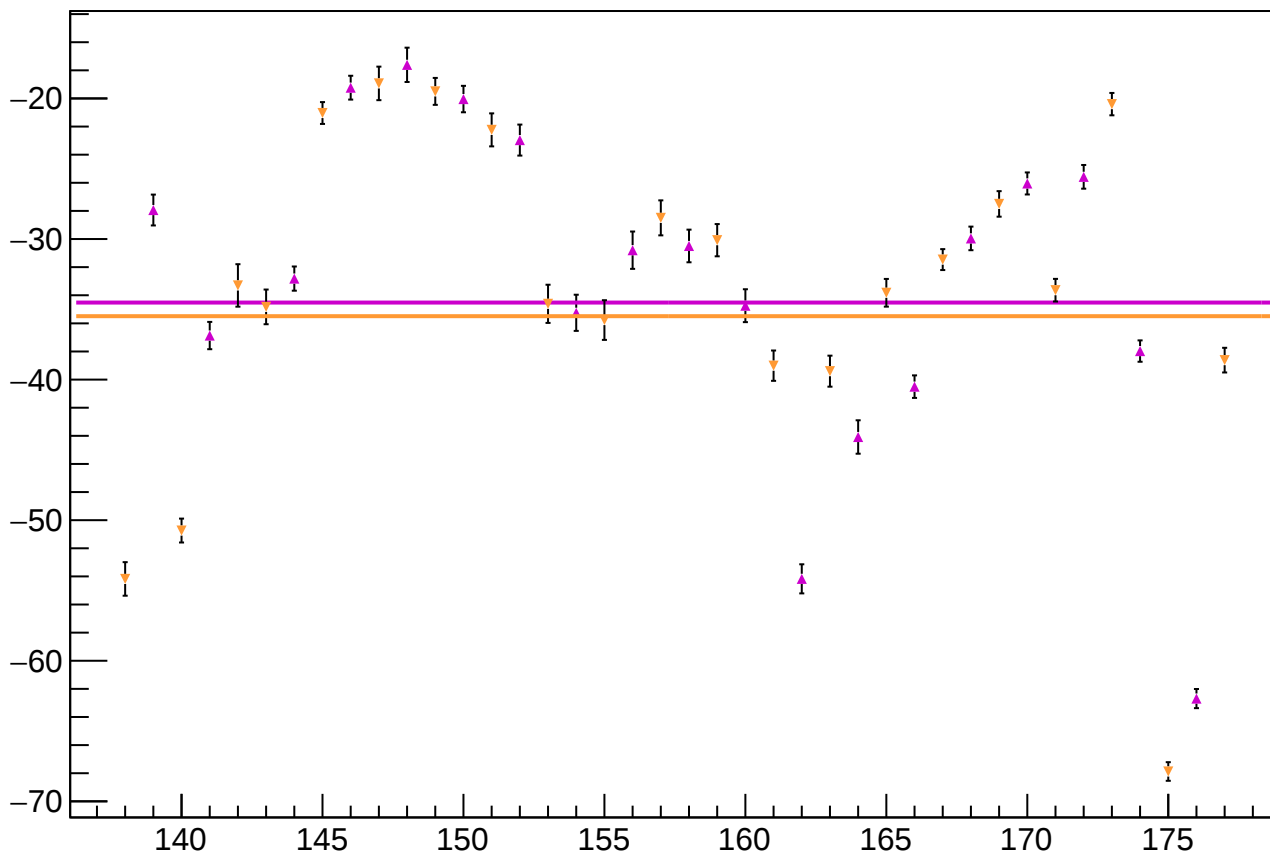
Right: -0.757 ± 0.018 χ^2/NDF : 2307.7/35

In: -0.305 ± 0.009 χ^2/NDF : 2723.4/35

Out: -0.354 ± 0.009 χ^2/NDF : 2640.6/39

All: -0.330 ± 0.007 χ^2/NDF : 5377.9/75

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.489+/-0.212 χ^2/NDF : 4470.3/20

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

Left In: -34.520+/-0.216 χ^2/NDF : 3402.4/18

Left: -35.013+/-0.151 χ^2/NDF : 7883.0/39

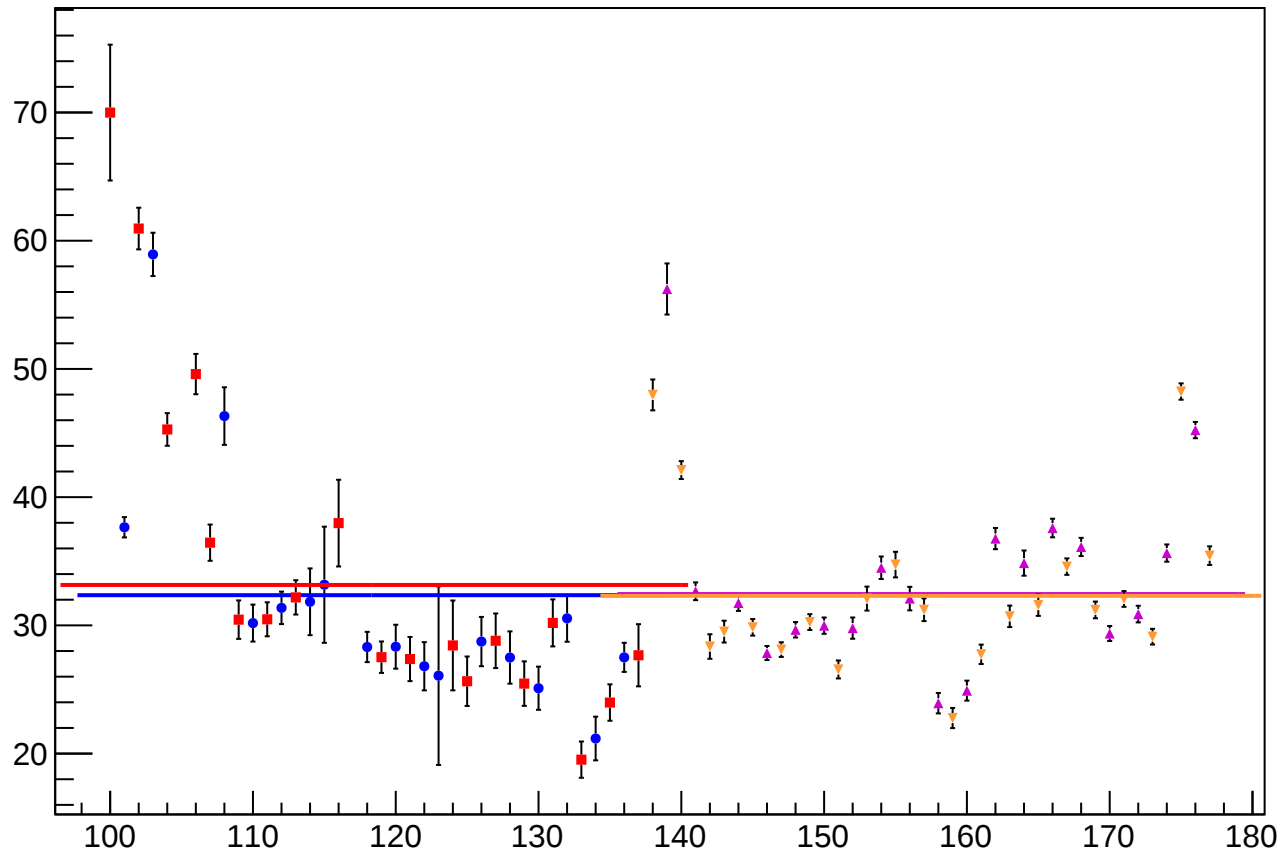
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.520+/-0.216 χ^2/NDF : 3402.4/18

Out: -35.489+/-0.212 χ^2/NDF : 4470.3/20

All: -35.013+/-0.151 χ^2/NDF : 7883.0/39

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 32.305 ± 0.159 $\chi^2/\text{NDF}: 1422.9/20$

Right Out: 33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

Left In: 32.439 ± 0.164 $\chi^2/\text{NDF}: 1046.3/18$

Left: 32.370 ± 0.114 $\chi^2/\text{NDF}: 2469.5/39$

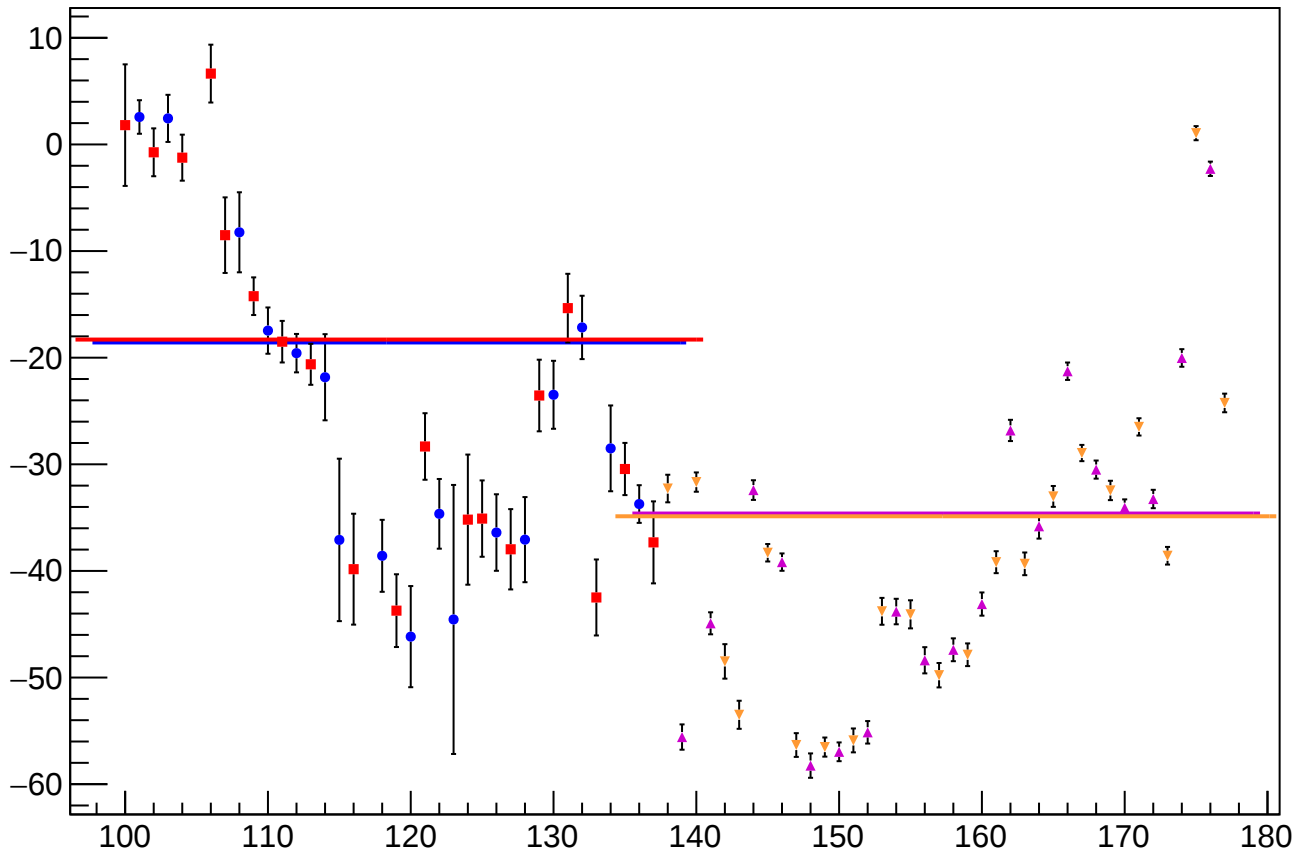
Right: 32.750 ± 0.267 $\chi^2/\text{NDF}: 1224.7/35$

In: 32.425 ± 0.150 $\chi^2/\text{NDF}: 1496.8/35$

Out: 32.432 ± 0.147 $\chi^2/\text{NDF}: 2199.2/39$

All: 32.429 ± 0.105 $\chi^2/\text{NDF}: 3696.0/75$

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: -34.875 ± 0.212 χ^2/NDF : 5353.7/20

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

Left In: -34.618 ± 0.215 χ^2/NDF : 5256.1/18

Left: -34.749 ± 0.151 χ^2/NDF : 10610.6/39

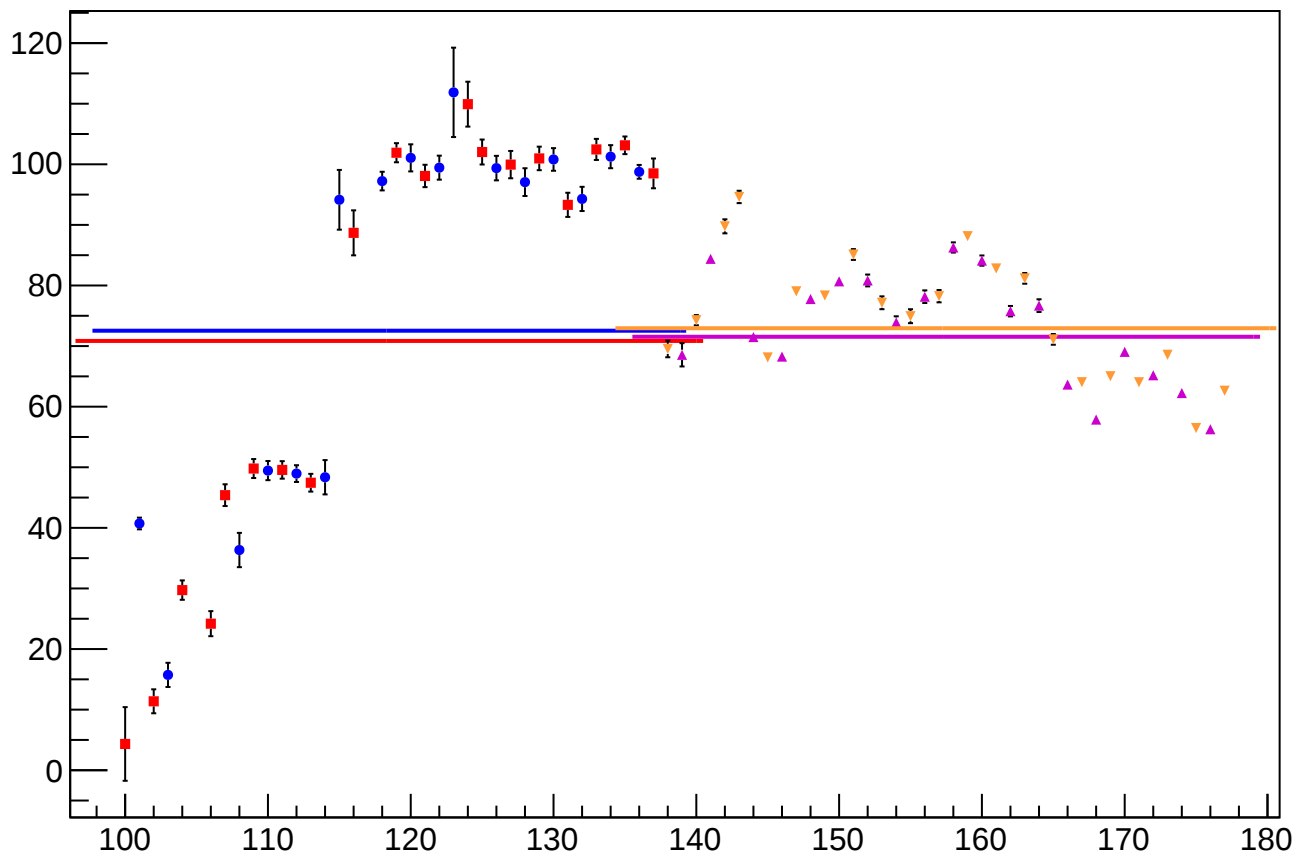
Right: -18.431 ± 0.463 χ^2/NDF : 984.9/35

In: -33.110 ± 0.205 χ^2/NDF : 6291.2/35

Out: -33.260 ± 0.201 χ^2/NDF : 6425.3/39

All: -33.186 ± 0.143 χ^2/NDF : 12716.7/75

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: 72.945 $\pm$ 0.181 χ^2 /NDF:2904.3/20

Right Out: 70.849 $\pm$ 0.433 χ^2 /NDF: 5500.2/18

Left In: 71.538 $\pm$ 0.186 χ^2 /NDF:2331.3/18

Left: 72.262 $\pm$ 0.130 χ^2 /NDF: 5264.9/39

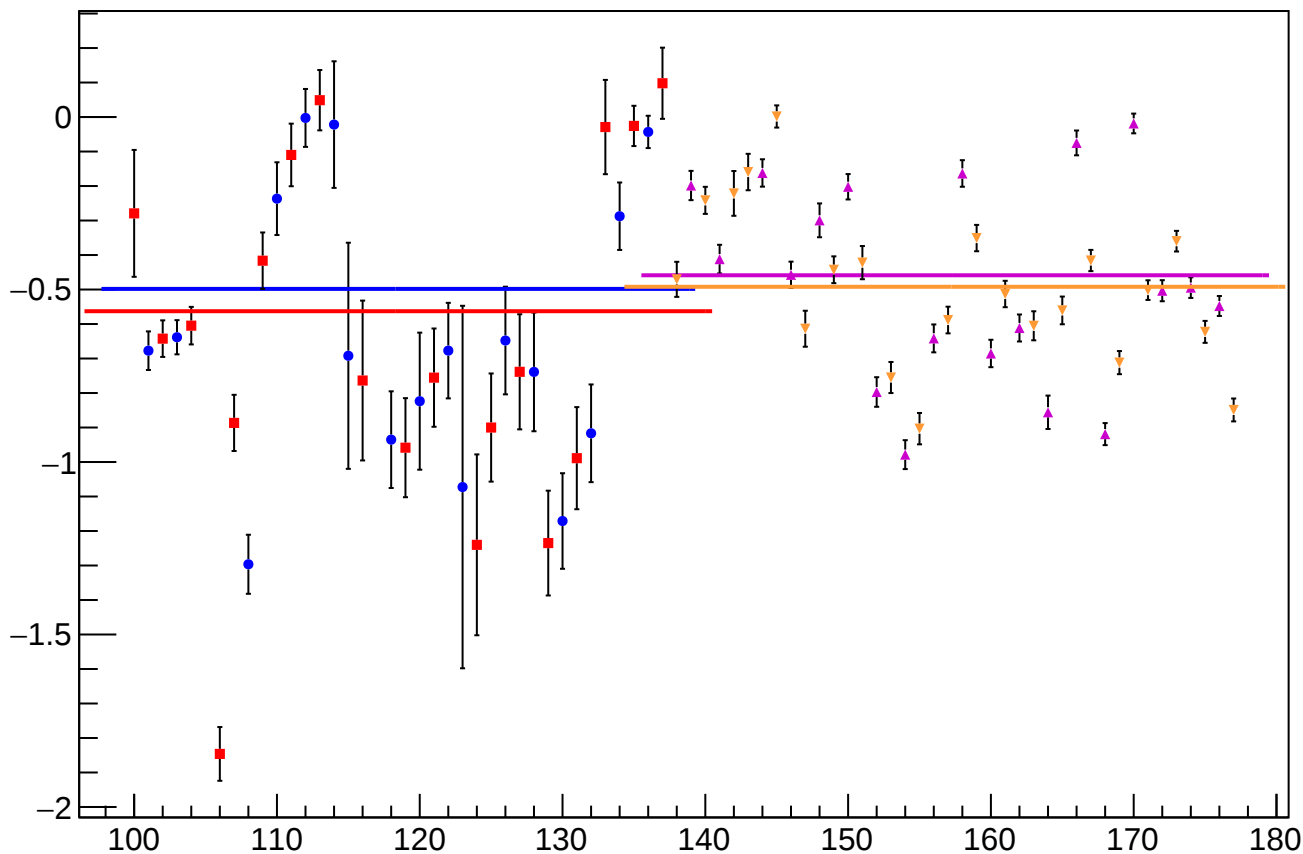
Right: 71.702 $\pm$ 0.305 χ^2 /NDF: 10192.0/35

In: 71.697 $\pm$ 0.171 χ^2 /NDF:7020.0/35

Out: 72.634 $\pm$ 0.167 χ^2 /NDF:8424.5/39

All: 72.176 $\pm$ 0.119 χ^2 /NDF: 15459.8/75

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: -0.492 ± 0.008 χ^2/NDF : 690.4/20

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.459 ± 0.008 χ^2/NDF : 1135.9/18

Left: -0.476 ± 0.006 χ^2/NDF : 1834.3/39

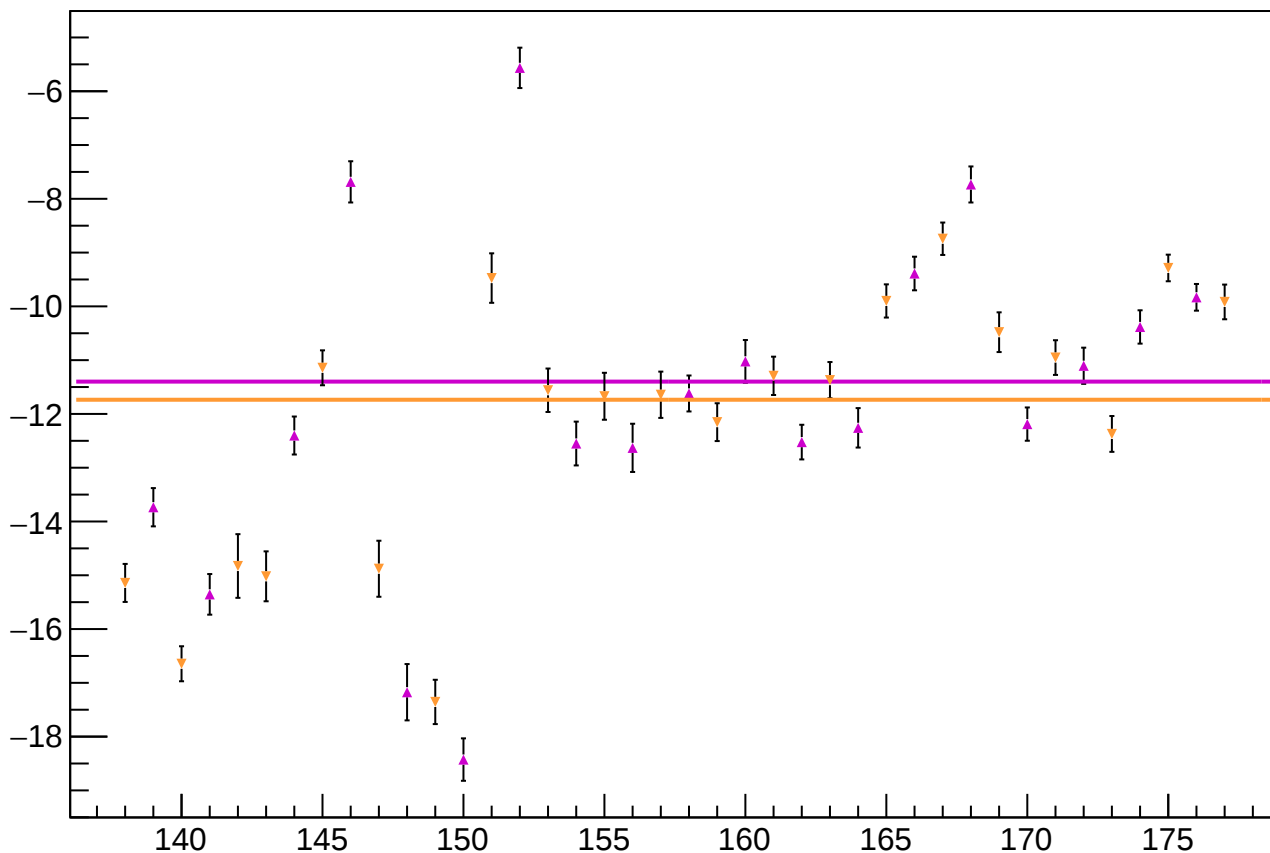
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.464 ± 0.008 χ^2/NDF : 1441.4/35

Out: -0.501 ± 0.008 χ^2/NDF : 1260.7/39

All: -0.483 ± 0.006 χ^2/NDF : 2713.7/75

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



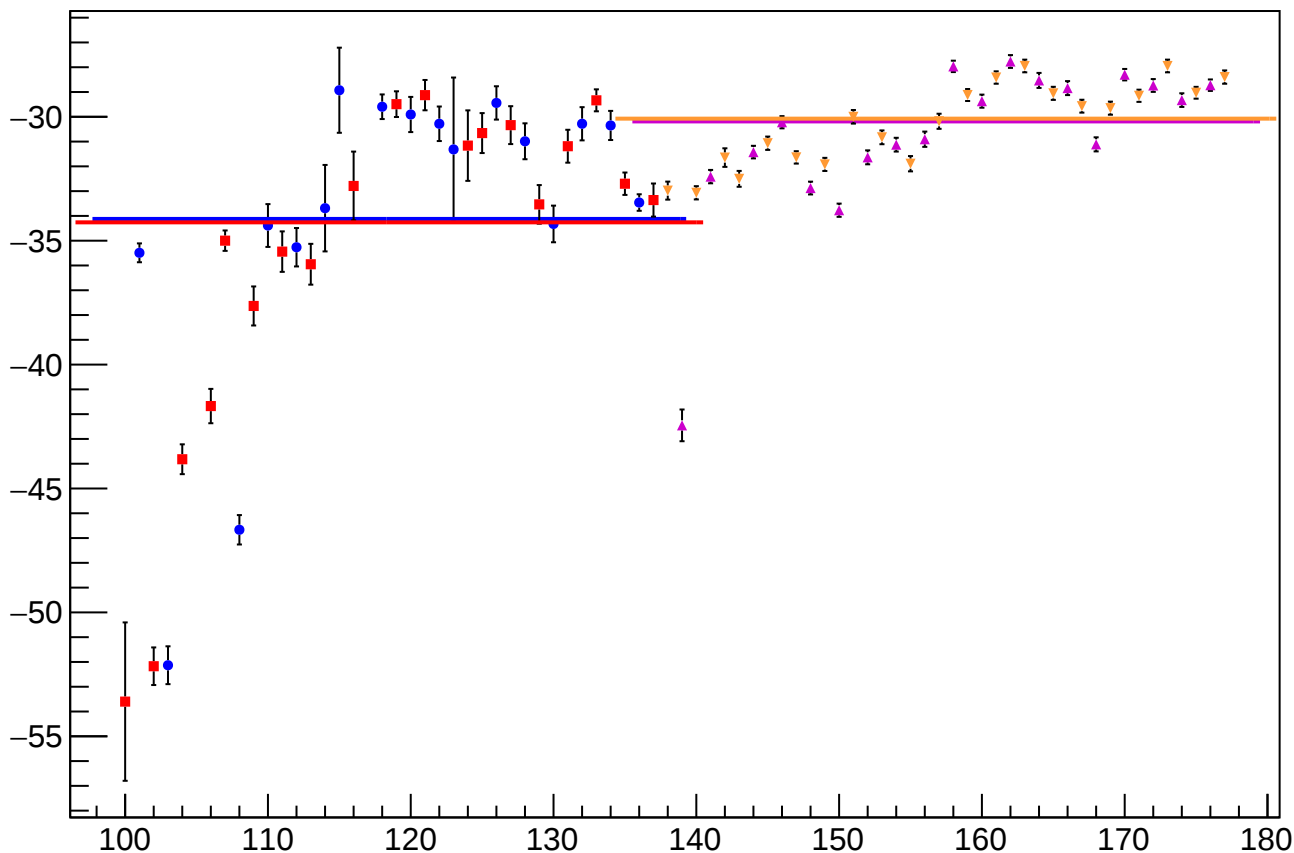
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -11.736 $\pm$ 0.078 χ^2/NDF :937.2/20
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -11.399 $\pm$ 0.080 χ^2/NDF :1188.5/18

Left: -11.572 $\pm$ 0.056 χ^2/NDF : 2134.9/39
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -11.399 $\pm$ 0.080 χ^2/NDF :1188.5/18
 Out: -11.736 $\pm$ 0.078 χ^2/NDF :937.2/20

All: -11.572 $\pm$ 0.056 χ^2/NDF : 2134.9/39

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -30.075 ± 0.059 $\chi^2/\text{NDF}: 697.8/20$

Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

Left In: -30.186 ± 0.062 $\chi^2/\text{NDF}: 1191.5/18$

Left: -30.128 ± 0.043 $\chi^2/\text{NDF}: 1891.0/39$

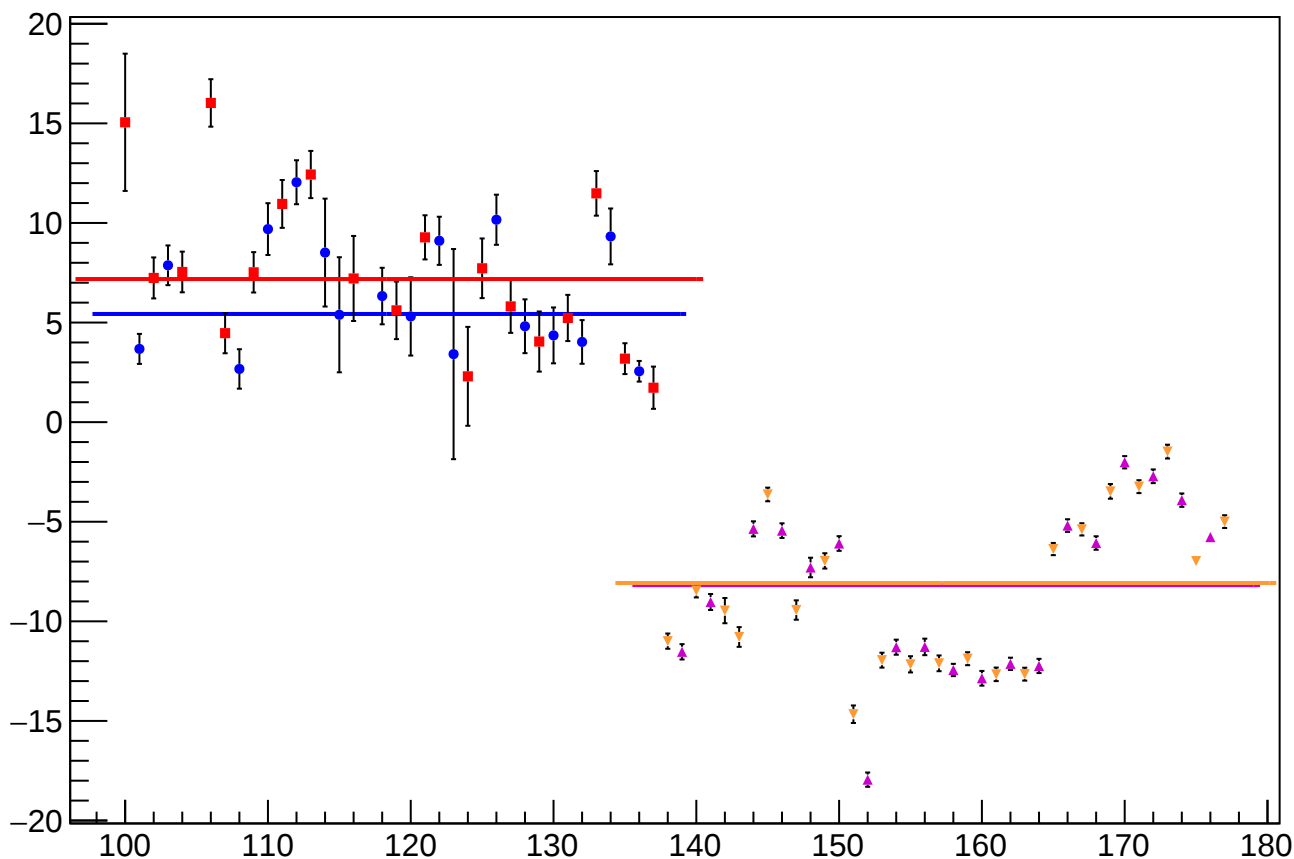
Right: -34.191 ± 0.107 $\chi^2/\text{NDF}: 2677.8/35$

In: -30.745 ± 0.057 $\chi^2/\text{NDF}: 3090.7/35$

Out: -30.634 ± 0.055 $\chi^2/\text{NDF}: 2719.6/39$

All: -30.688 ± 0.040 $\chi^2/\text{NDF}: 5812.3/75$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -8.074 ± 0.078 $\chi^2/\text{NDF}: 2287.2/20$

Right Out: 7.185 ± 0.274 $\chi^2/\text{NDF}: 182.1/18$

Left In: -8.182 ± 0.079 $\chi^2/\text{NDF}: 2766.3/18$

Left: -8.127 ± 0.056 $\chi^2/\text{NDF}: 5054.4/39$

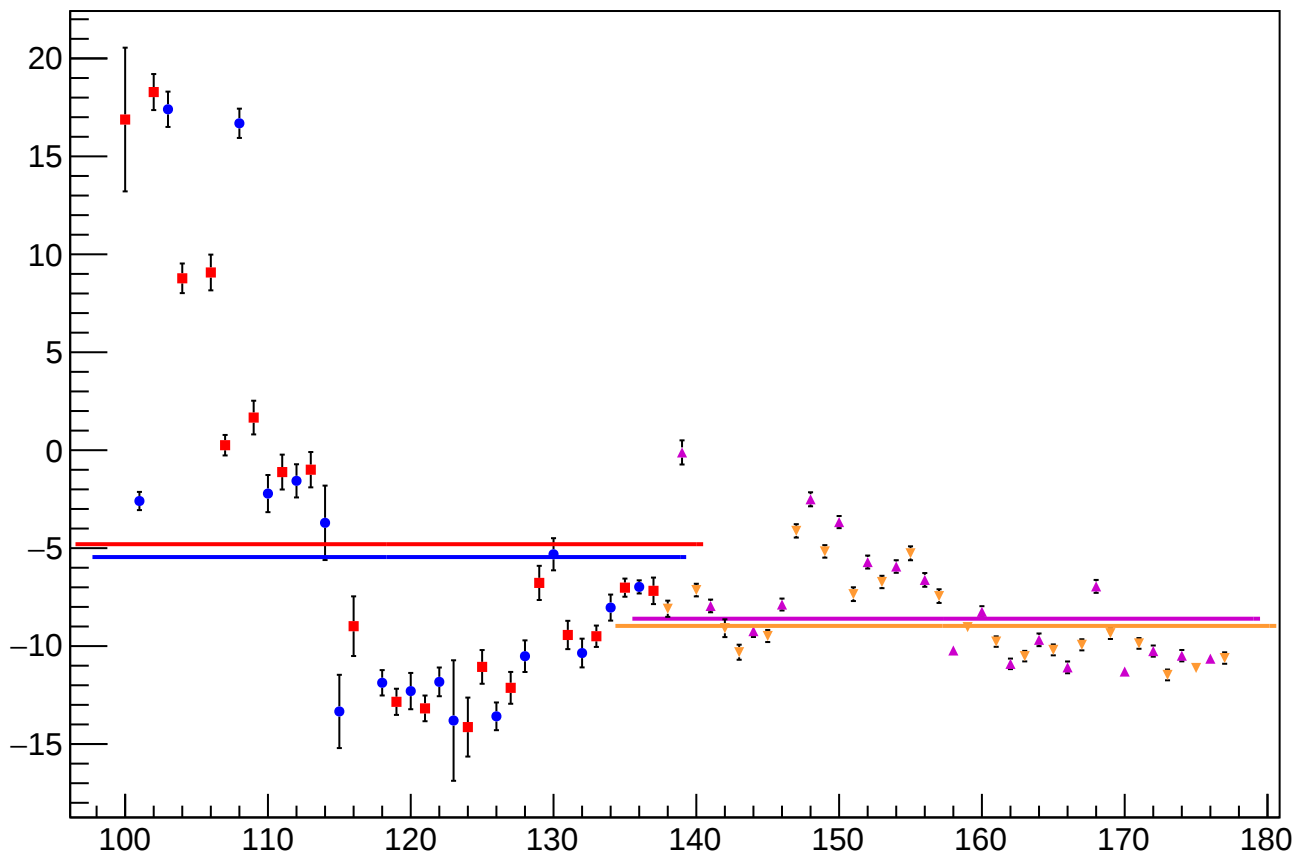
Right: 6.295 ± 0.193 $\chi^2/\text{NDF}: 334.8/35$

In: -7.100 ± 0.076 $\chi^2/\text{NDF}: 5231.4/35$

Out: -6.943 ± 0.075 $\chi^2/\text{NDF}: 5331.4/39$

All: -7.020 ± 0.053 $\chi^2/\text{NDF}: 10565.0/75$

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: -8.970 ± 0.067 χ^2/NDF : 866.2/20

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

Left In: -8.602 ± 0.069 χ^2/NDF : 1407.3/18

Left: -8.793 ± 0.048 χ^2/NDF : 2288.1/39

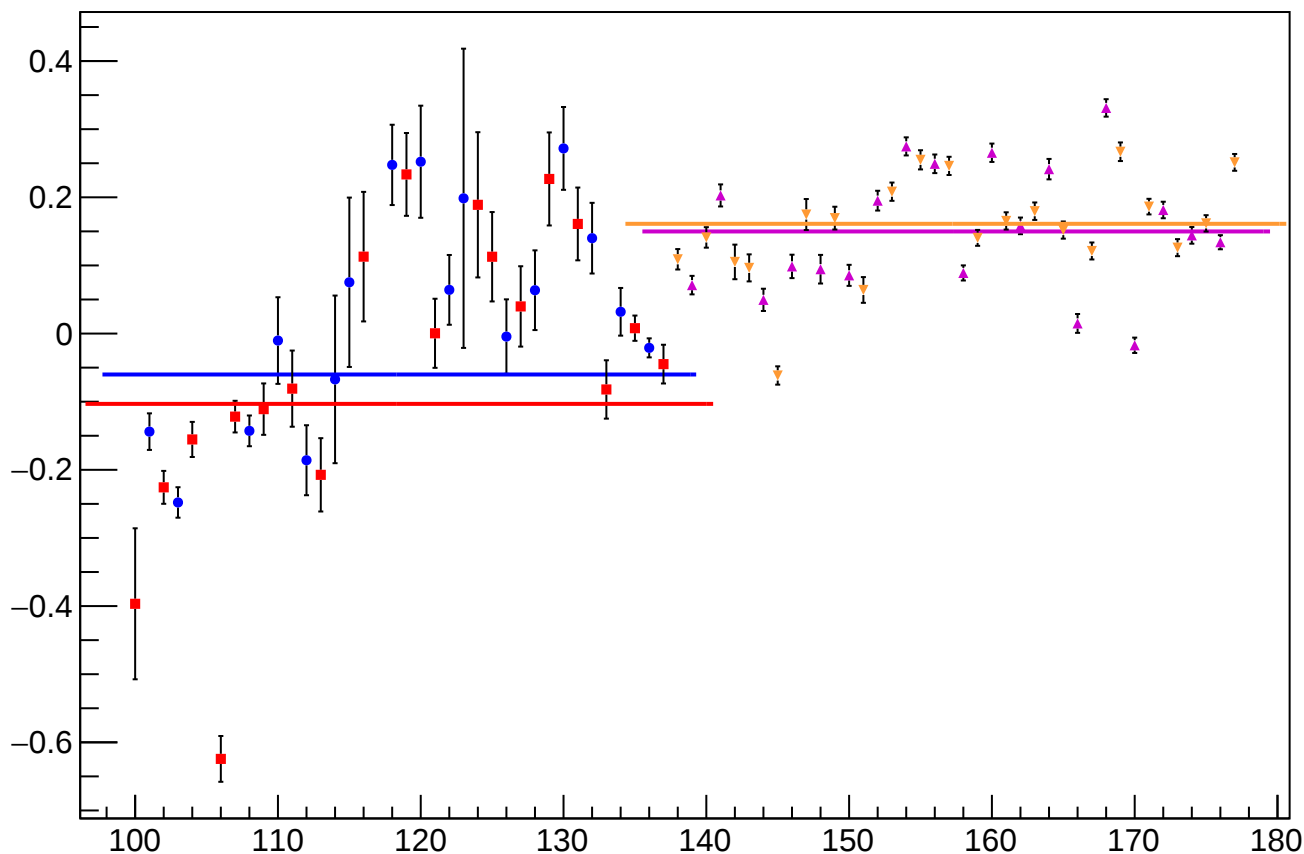
Right: -5.131 ± 0.122 χ^2/NDF : 4151.2/35

In: -8.157 ± 0.064 χ^2/NDF : 3795.3/35

Out: -8.429 ± 0.062 χ^2/NDF : 3420.1/39

All: -8.297 ± 0.045 χ^2/NDF : 7224.6/75

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: 0.161 ± 0.003 χ^2/NDF : 570.0/20

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

Left In: 0.150 ± 0.003 χ^2/NDF : 931.7/18

Left: 0.156 ± 0.002 χ^2/NDF : 1508.4/39

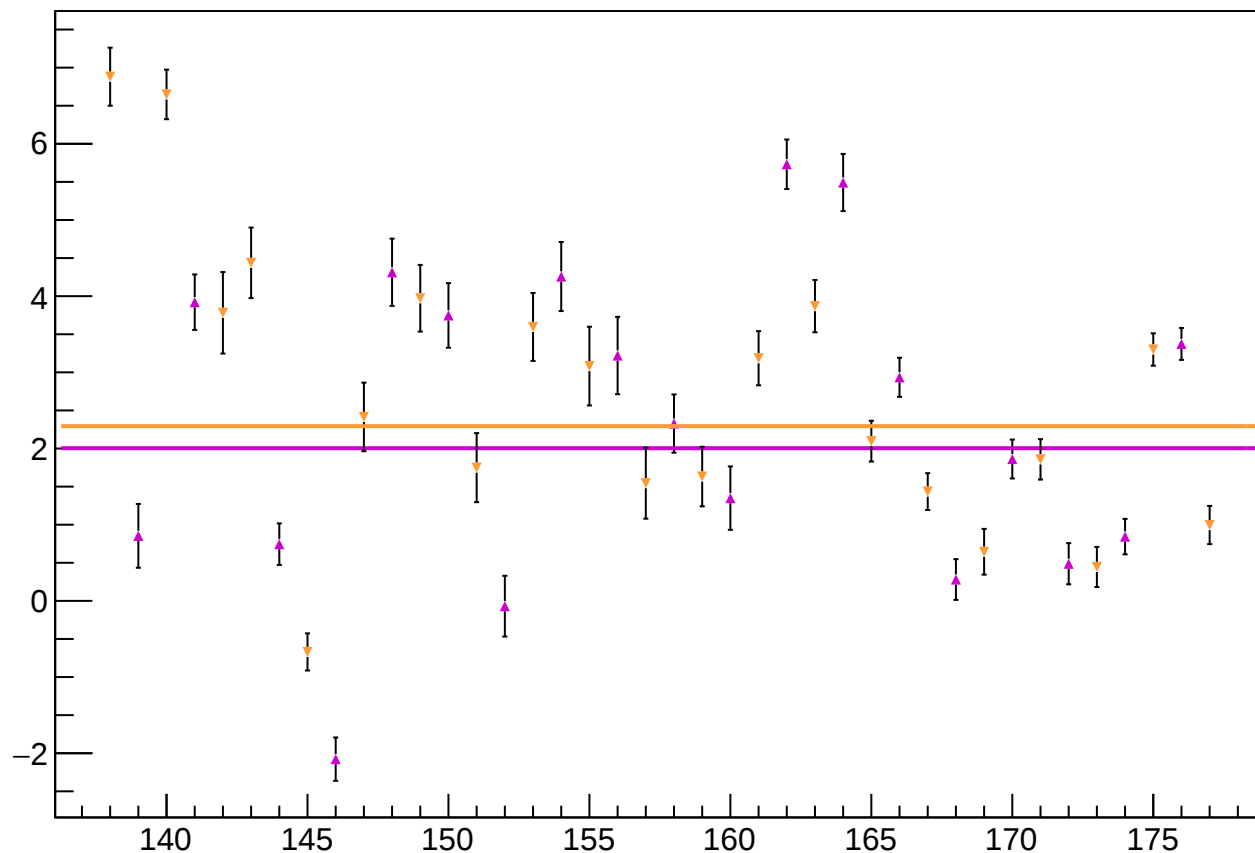
Right: -0.082 ± 0.006 χ^2/NDF : 662.9/35

In: 0.125 ± 0.003 χ^2/NDF : 1697.4/35

Out: 0.131 ± 0.003 χ^2/NDF : 1872.9/39

All: 0.128 ± 0.002 χ^2/NDF : 3572.2/75

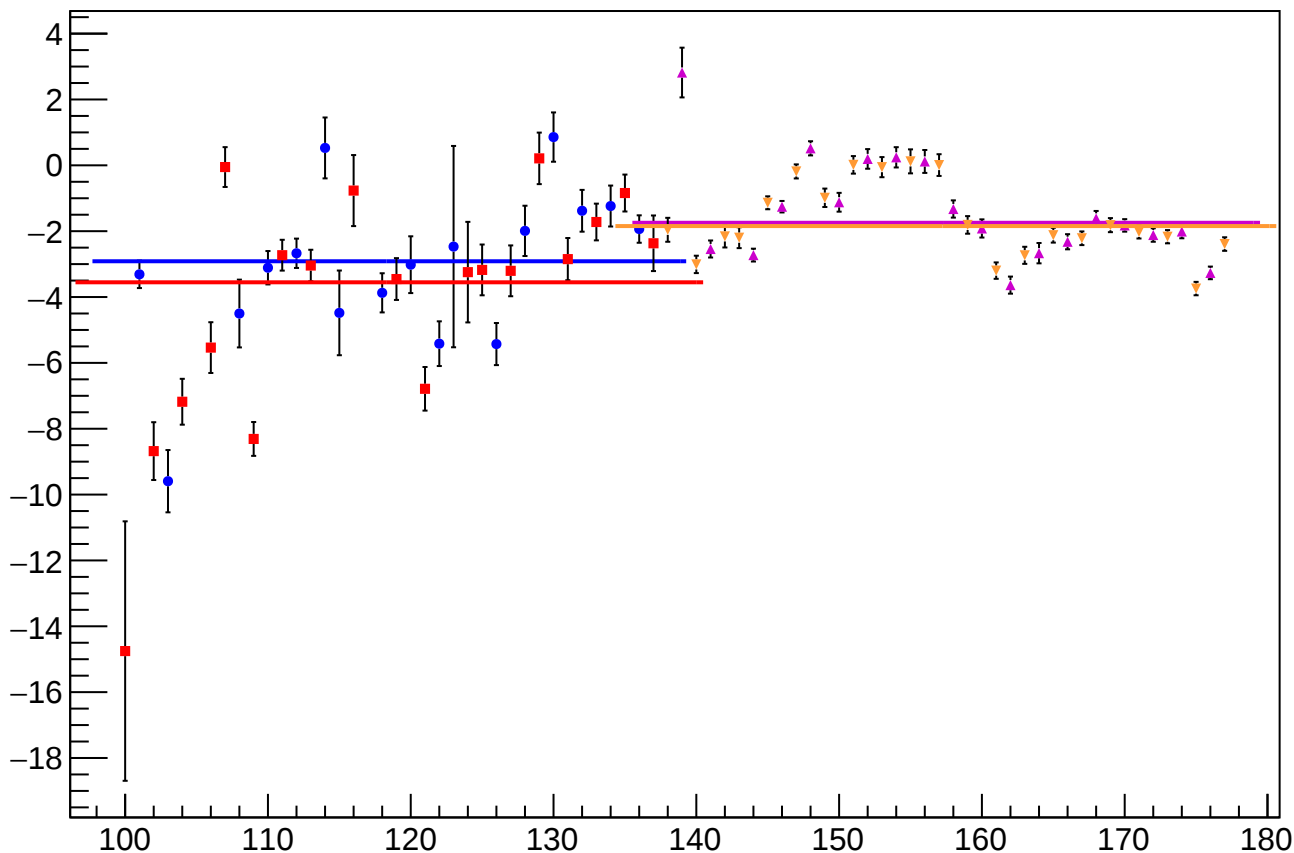
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.294 $\pm$ 0.070 χ^2/NDF : 705.6/20
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 2.004 $\pm$ 0.072 χ^2/NDF : 739.0/18

Left: 2.152 $\pm$ 0.050 χ^2/NDF : 1452.9/39
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 2.004 $\pm$ 0.072 χ^2/NDF : 739.0/18
 Out: 2.294 $\pm$ 0.070 χ^2/NDF : 705.6/20
 All: 2.152 $\pm$ 0.050 χ^2/NDF : 1452.9/39

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: -1.845 ± 0.053 $\chi^2/\text{NDF}: 391.3/20$

Right Out: -3.553 ± 0.155 $\chi^2/\text{NDF}: 290.9/18$

Left In: -1.745 ± 0.055 $\chi^2/\text{NDF}: 446.7/18$

Left: -1.796 ± 0.038 $\chi^2/\text{NDF}: 839.6/39$

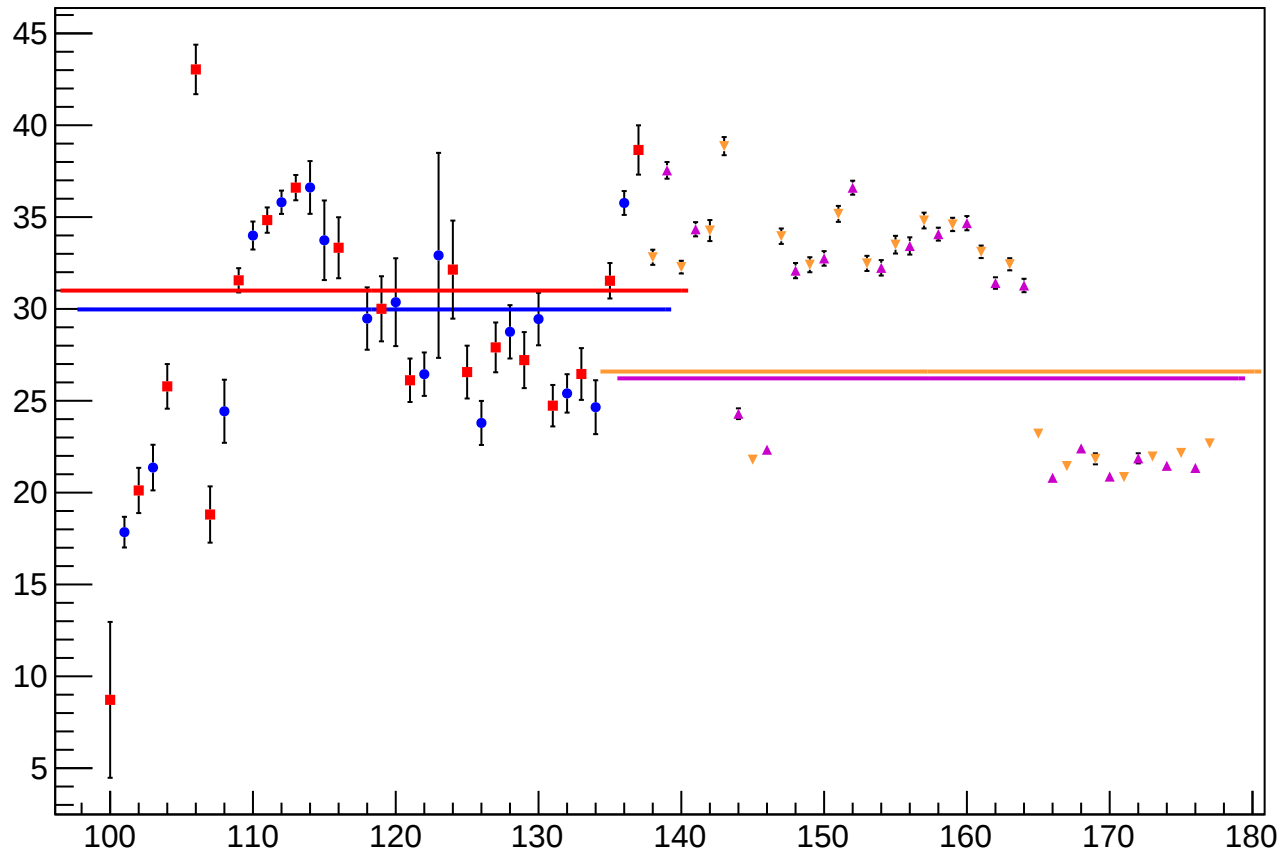
Right: -3.234 ± 0.109 $\chi^2/\text{NDF}: 445.5/35$

In: -1.875 ± 0.052 $\chi^2/\text{NDF}: 643.4/35$

Out: -2.027 ± 0.051 $\chi^2/\text{NDF}: 791.1/39$

All: -1.953 ± 0.036 $\chi^2/\text{NDF}: 1439.0/75$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 26.592 $\pm$ 0.071 χ^2 /NDF: 6747.0/20

Right Out: 30.999 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 26.219 $\pm$ 0.072 χ^2 /NDF: 6617.9/18

Left: 26.409 $\pm$ 0.050 χ^2 /NDF: 13378.6/39

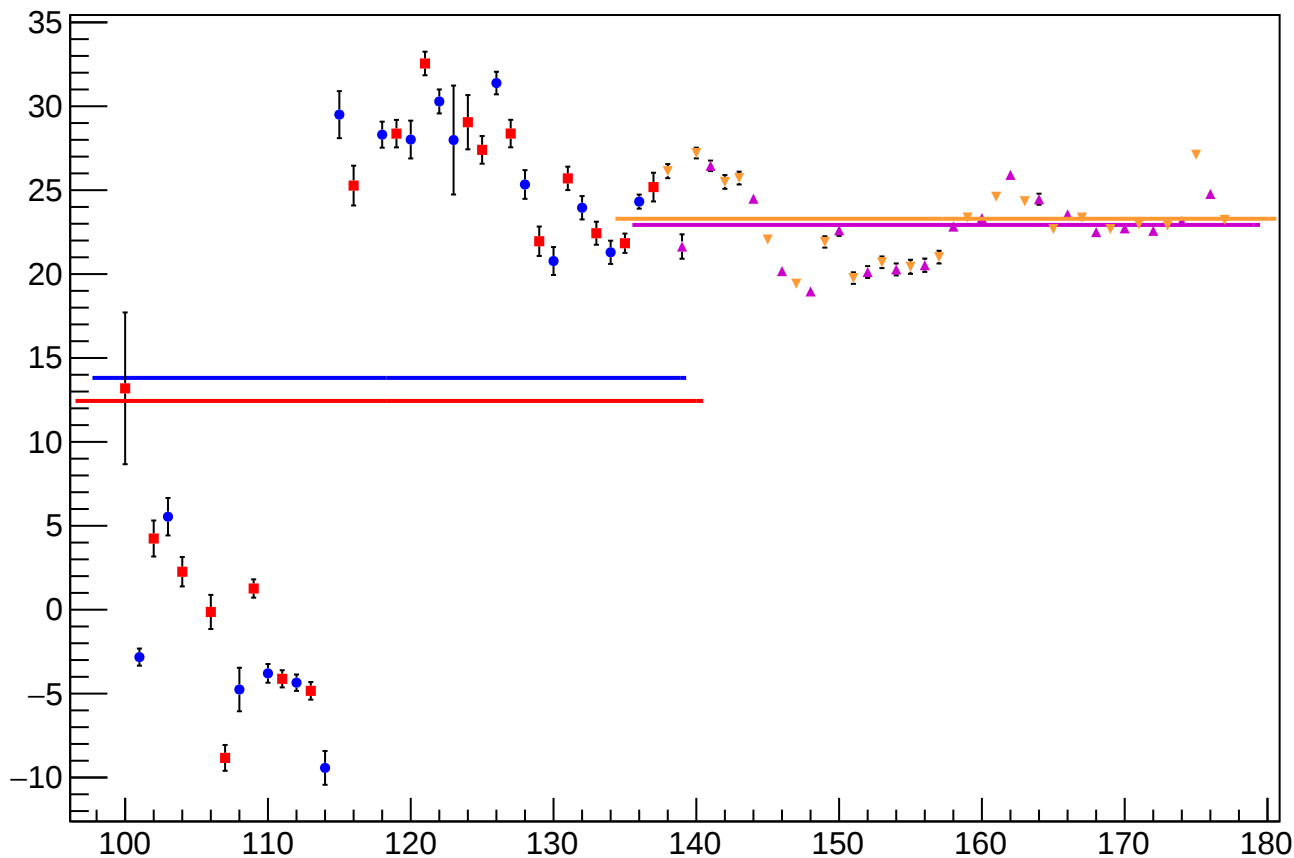
Right: 30.500 $\pm$ 0.186 χ^2 /NDF: 1041.4/35

In: 26.472 $\pm$ 0.069 χ^2 /NDF: 7356.1/35

Out: 26.894 $\pm$ 0.068 χ^2 /NDF: 7493.9/39

All: 26.687 $\pm$ 0.049 χ^2 /NDF: 14868.9/75

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 ± 0.173 $\chi^2/\text{NDF}: 7318.6/16$

Left Out: 23.296 ± 0.060 $\chi^2/\text{NDF}: 1104.1/20$

Right Out: 12.440 ± 0.174 $\chi^2/\text{NDF}: 6970.3/18$

Left In: 22.929 ± 0.062 $\chi^2/\text{NDF}: 902.3/18$

Left: 23.117 ± 0.043 $\chi^2/\text{NDF}: 2024.4/39$

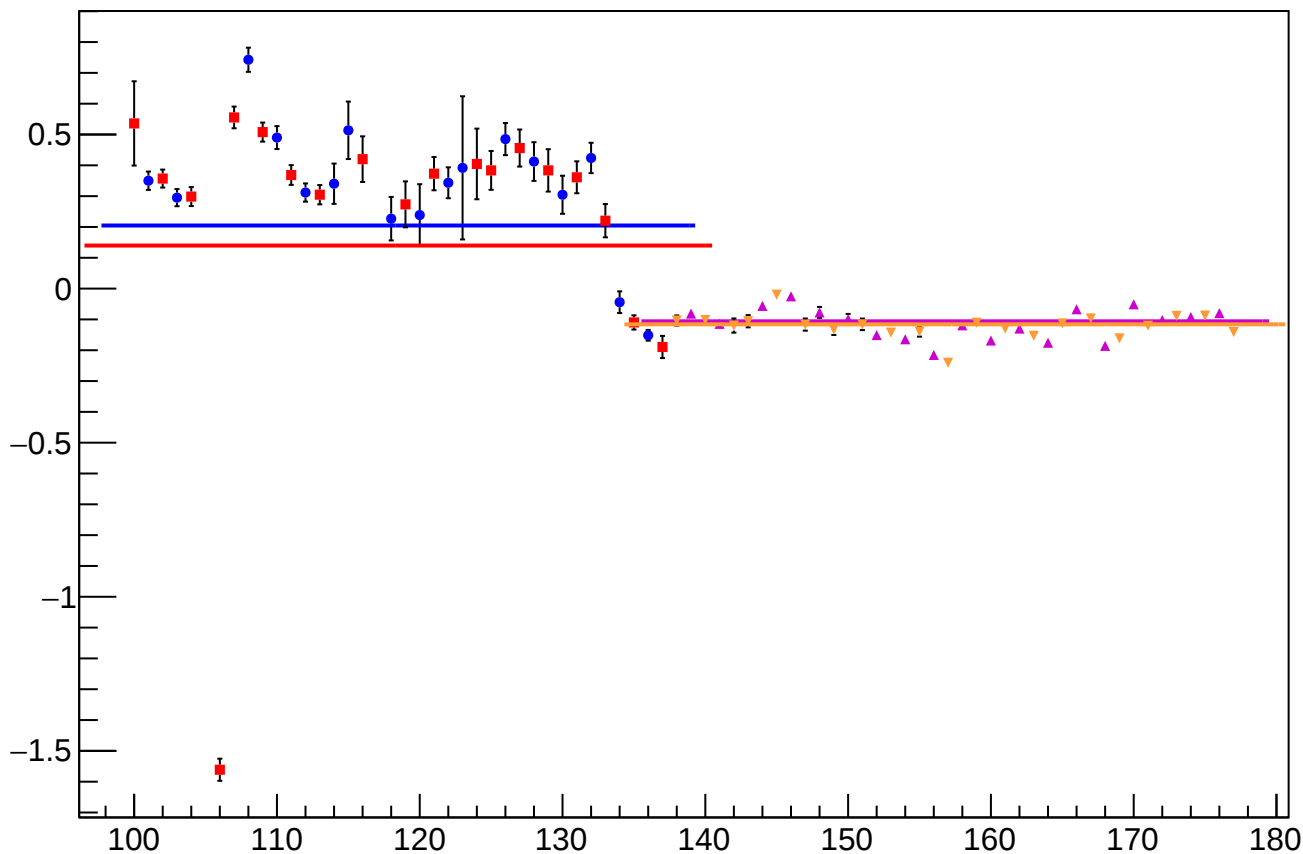
Right: 13.131 ± 0.122 $\chi^2/\text{NDF}: 14320.3/35$

In: 21.886 ± 0.058 $\chi^2/\text{NDF}: 10689.2/35$

Out: 22.128 ± 0.057 $\chi^2/\text{NDF}: 11559.0/39$

All: 22.010 ± 0.041 $\chi^2/\text{NDF}: 22257.0/75$

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 $\chi^2/\text{NDF}: 845.8/16$

Left Out: -0.116 ± 0.003 $\chi^2/\text{NDF}: 223.7/20$

Right Out: 0.140 ± 0.009 $\chi^2/\text{NDF}: 3014.2/18$

Left In: -0.106 ± 0.003 $\chi^2/\text{NDF}: 299.4/18$

Left: -0.111 ± 0.002 $\chi^2/\text{NDF}: 529.3/39$

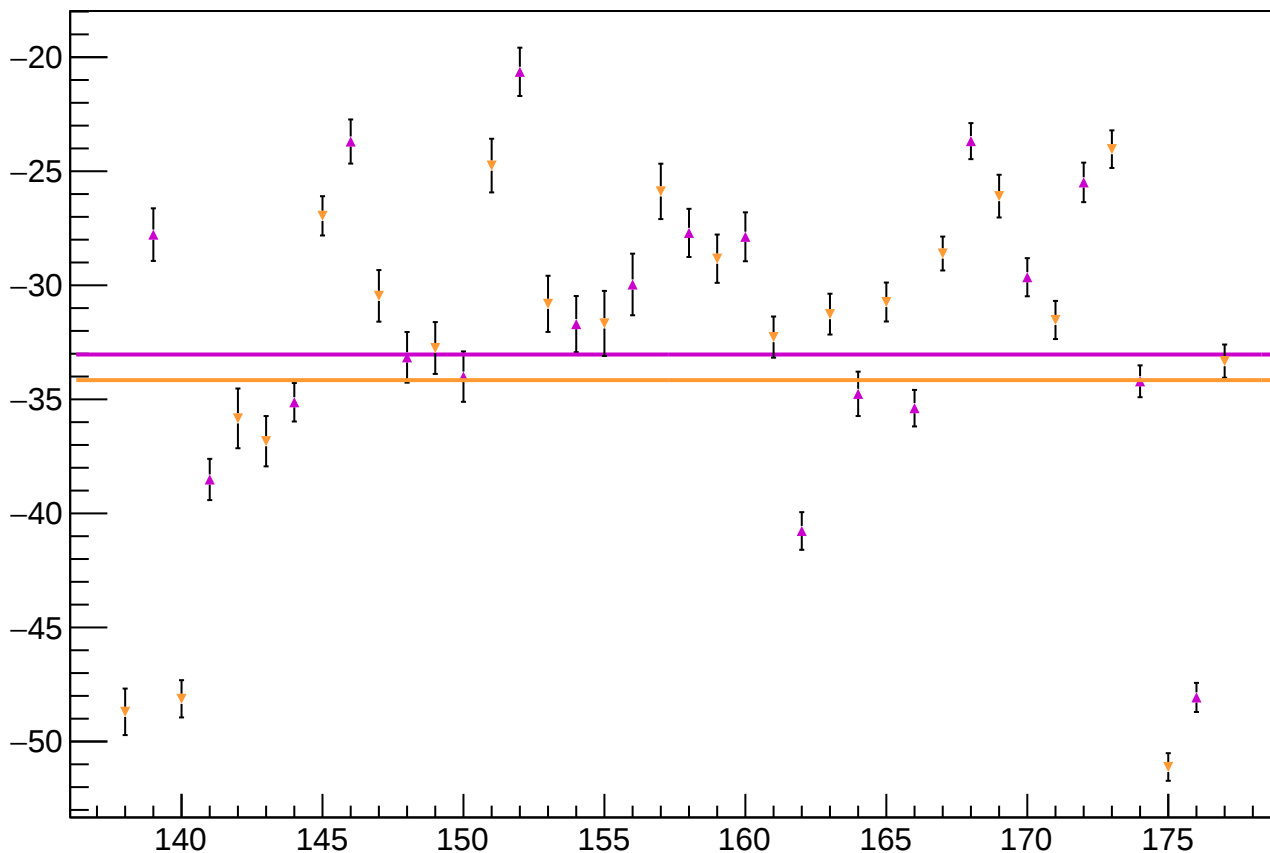
Right: 0.172 ± 0.007 $\chi^2/\text{NDF}: 3884.5/35$

In: -0.081 ± 0.003 $\chi^2/\text{NDF}: 2154.2/35$

Out: -0.095 ± 0.003 $\chi^2/\text{NDF}: 3944.8/39$

All: -0.088 ± 0.002 $\chi^2/\text{NDF}: 6113.3/75$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



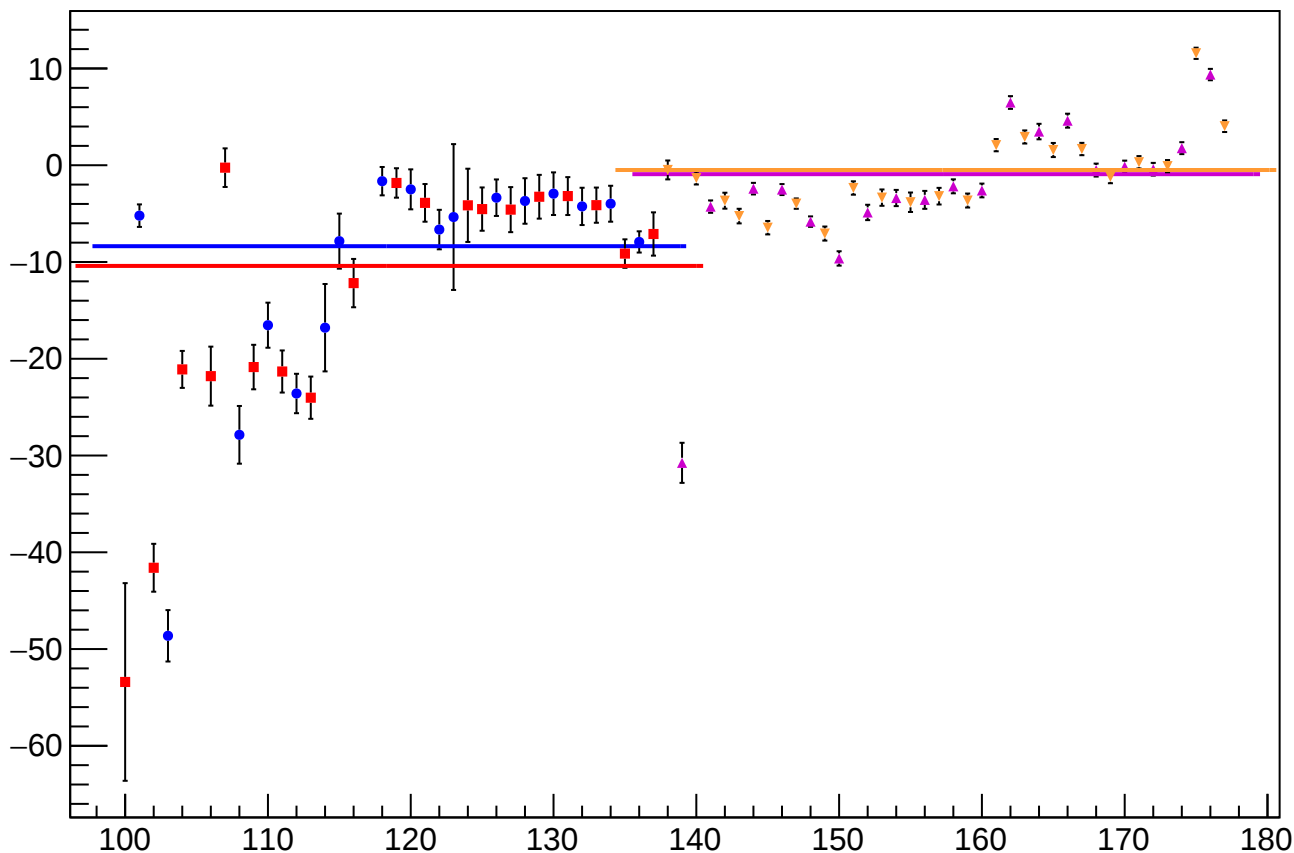
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -34.158+/-0.202 χ^2/NDF :1840.9/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -33.035+/-0.209 χ^2/NDF :1240.0/18

Left: -33.615+/-0.145 χ^2/NDF : 3095.8/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -33.035+/-0.209 χ^2/NDF :1240.0/18
 Out: -34.158+/-0.202 χ^2/NDF :1840.9/20

All: -33.615+/-0.145 χ^2/NDF : 3095.8/39

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: -0.493 ± 0.151 $\chi^2/\text{NDF}: 863.6/20$

Right Out: -10.405 ± 0.491 $\chi^2/\text{NDF}: 430.3/18$

Left In: -0.924 ± 0.158 $\chi^2/\text{NDF}: 1061.2/18$

Left: -0.700 ± 0.109 $\chi^2/\text{NDF}: 1928.7/39$

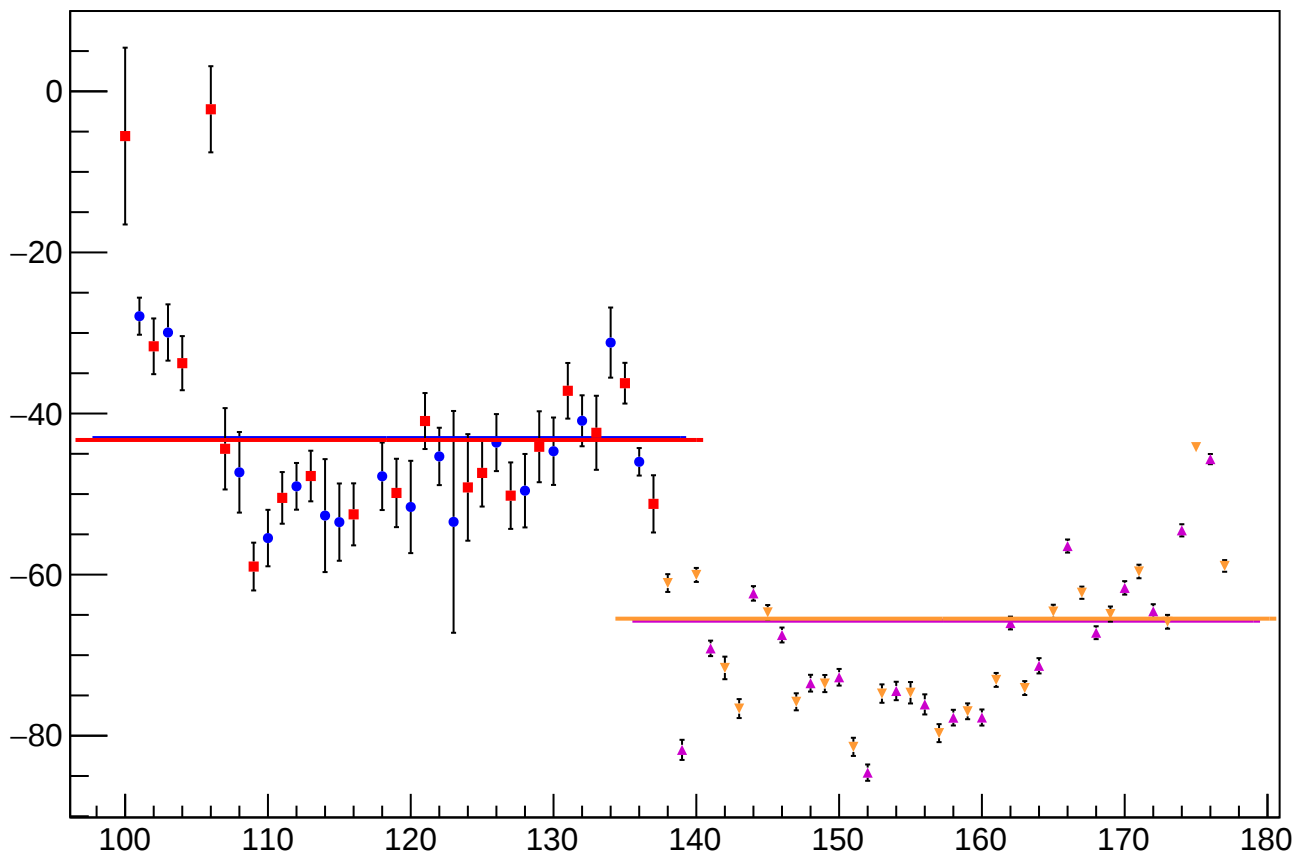
Right: -9.333 ± 0.338 $\chi^2/\text{NDF}: 848.2/35$

In: -1.688 ± 0.149 $\chi^2/\text{NDF}: 1698.9/35$

Out: -1.352 ± 0.145 $\chi^2/\text{NDF}: 1666.1/39$

All: -1.514 ± 0.104 $\chi^2/\text{NDF}: 3367.7/75$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047 ± 0.837 χ^2/NDF : 99.0/16

Left Out: -65.468 ± 0.201 χ^2/NDF : 2494.1/20

Right Out: -43.282 ± 0.867 χ^2/NDF : 154.4/18

Left In: -65.720 ± 0.208 χ^2/NDF : 2490.3/18

Left: -65.590 ± 0.145 χ^2/NDF : 4985.2/39

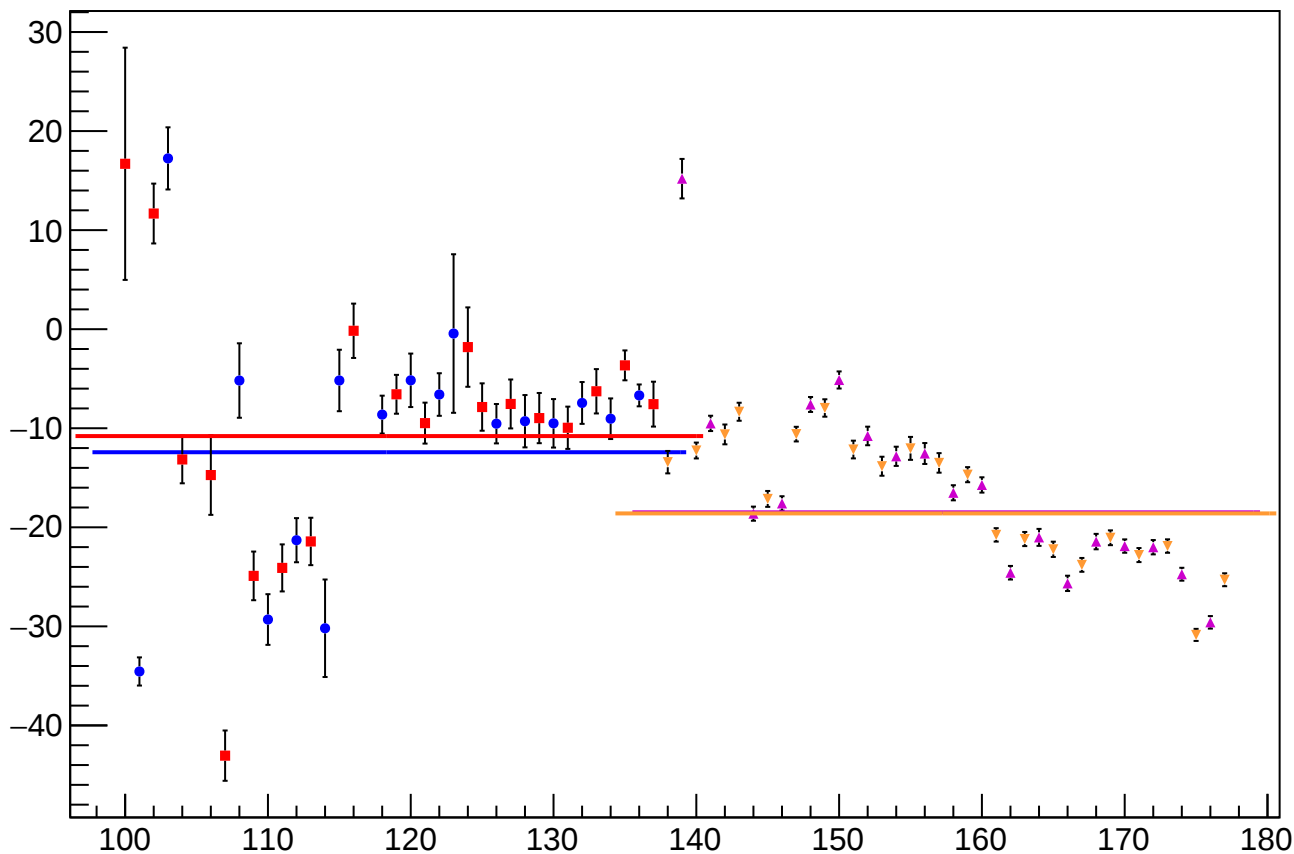
Right: -43.161 ± 0.602 χ^2/NDF : 253.4/35

In: -64.403 ± 0.202 χ^2/NDF : 3280.0/35

Out: -64.332 ± 0.196 χ^2/NDF : 3269.6/39

All: -64.367 ± 0.141 χ^2/NDF : 6549.6/75

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: -18.598 ± 0.172 χ^2/NDF : 1383.5/20

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

Left In: -18.486 ± 0.179 χ^2/NDF : 1659.7/18

Left: -18.544 ± 0.124 χ^2/NDF : 3043.4/39

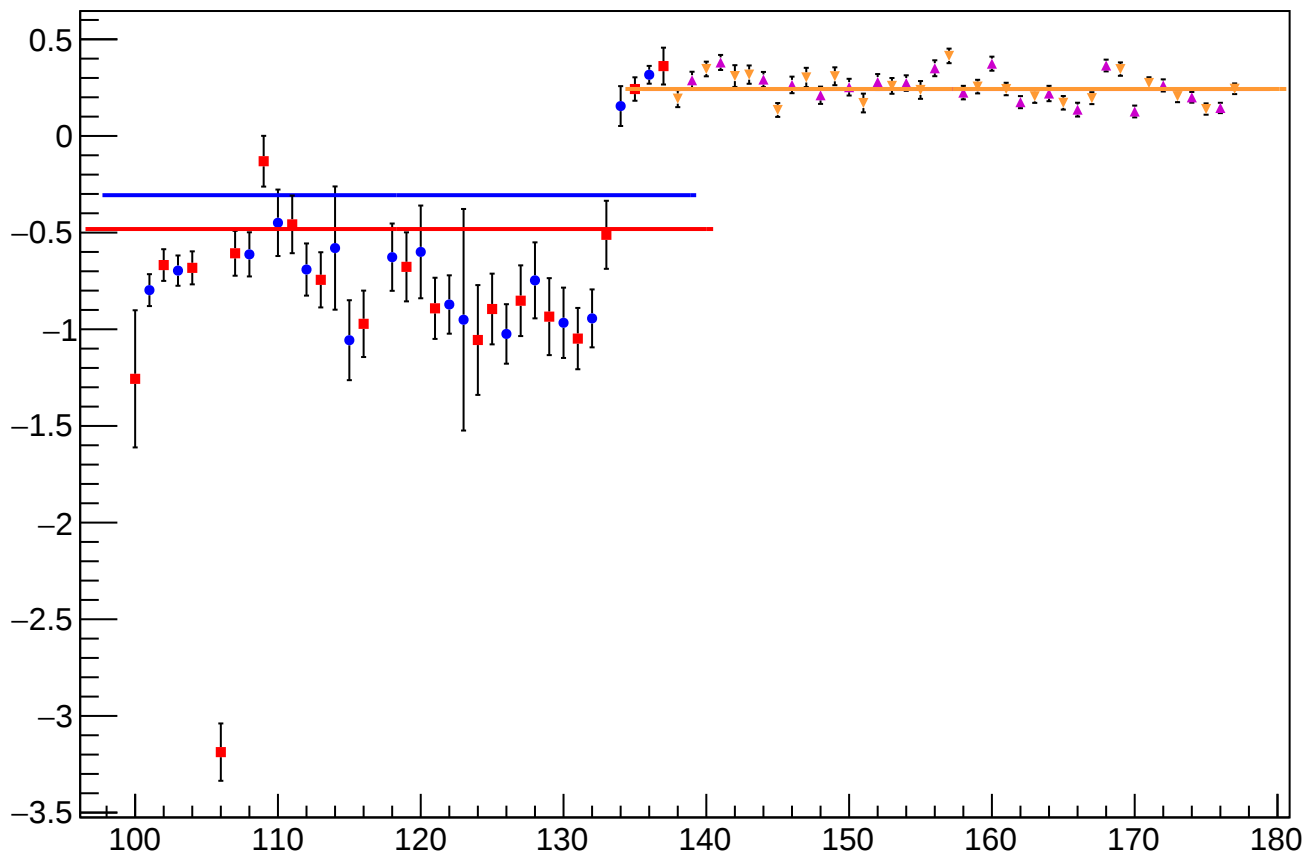
Right: -11.652 ± 0.380 χ^2/NDF : 844.7/35

In: -17.848 ± 0.170 χ^2/NDF : 2254.4/35

Out: -17.913 ± 0.164 χ^2/NDF : 1930.6/39

All: -17.882 ± 0.118 χ^2/NDF : 4185.1/75

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.243 ± 0.008 χ^2/NDF : 80.0/20

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.243 ± 0.008 χ^2/NDF : 97.9/18

Left: 0.243 ± 0.006 χ^2/NDF : 177.9/39

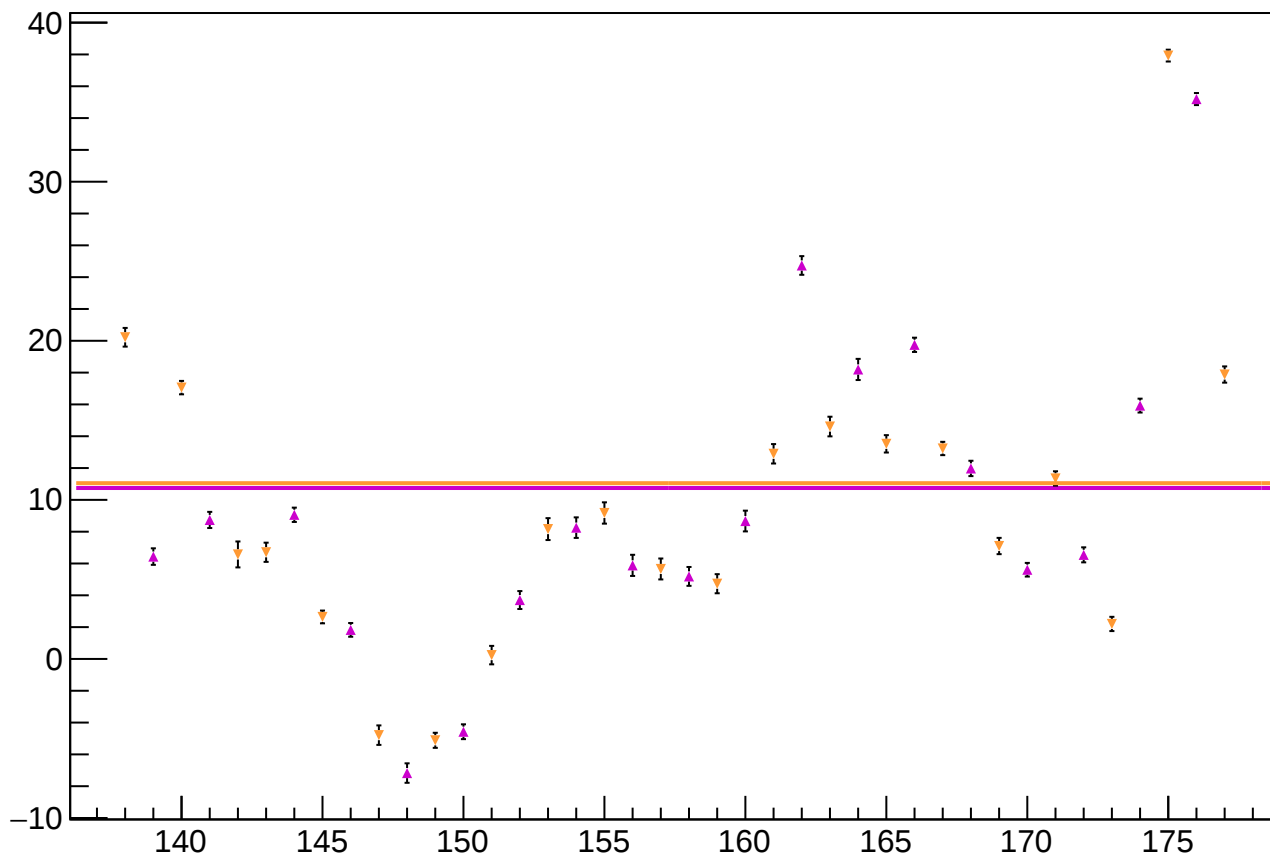
Right: -0.391 ± 0.020 χ^2/NDF : 1019.4/35

In: 0.199 ± 0.008 χ^2/NDF : 834.4/35

Out: 0.191 ± 0.008 χ^2/NDF : 1303.9/39

All: 0.195 ± 0.005 χ^2/NDF : 2138.8/75

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 11.048 $\pm$ 0.114 χ^2 /NDF:9273.6/20

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

Left In: 10.745 $\pm$ 0.116 χ^2 /NDF:8417.2/18

Left: 10.899 $\pm$ 0.081 χ^2 /NDF: 17694.4/39

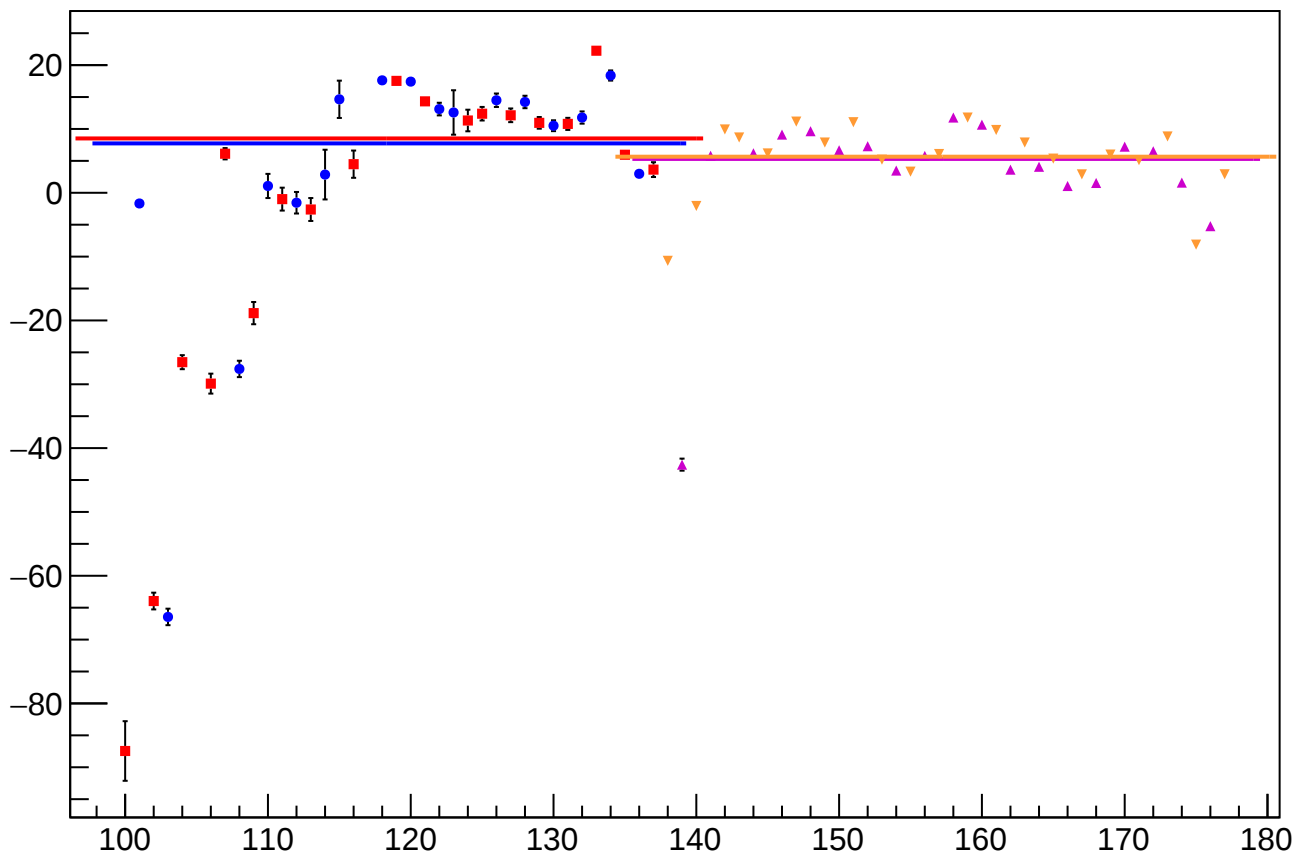
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 10.745 $\pm$ 0.116 χ^2 /NDF:8417.2/18

Out: 11.048 $\pm$ 0.114 χ^2 /NDF:9273.6/20

All: 10.899 $\pm$ 0.081 χ^2 /NDF: 17694.4/39

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 $\pm$ 0.218 χ^2 /NDF: 5300.6/16

Left Out: 5.653 $\pm$ 0.085 χ^2 /NDF: 4043.4/20

Right Out: 8.514 $\pm$ 0.213 χ^2 /NDF: 6719.4/18

Left In: 5.305 $\pm$ 0.087 χ^2 /NDF: 4677.0/18

Left: 5.485 $\pm$ 0.061 χ^2 /NDF: 8728.5/39

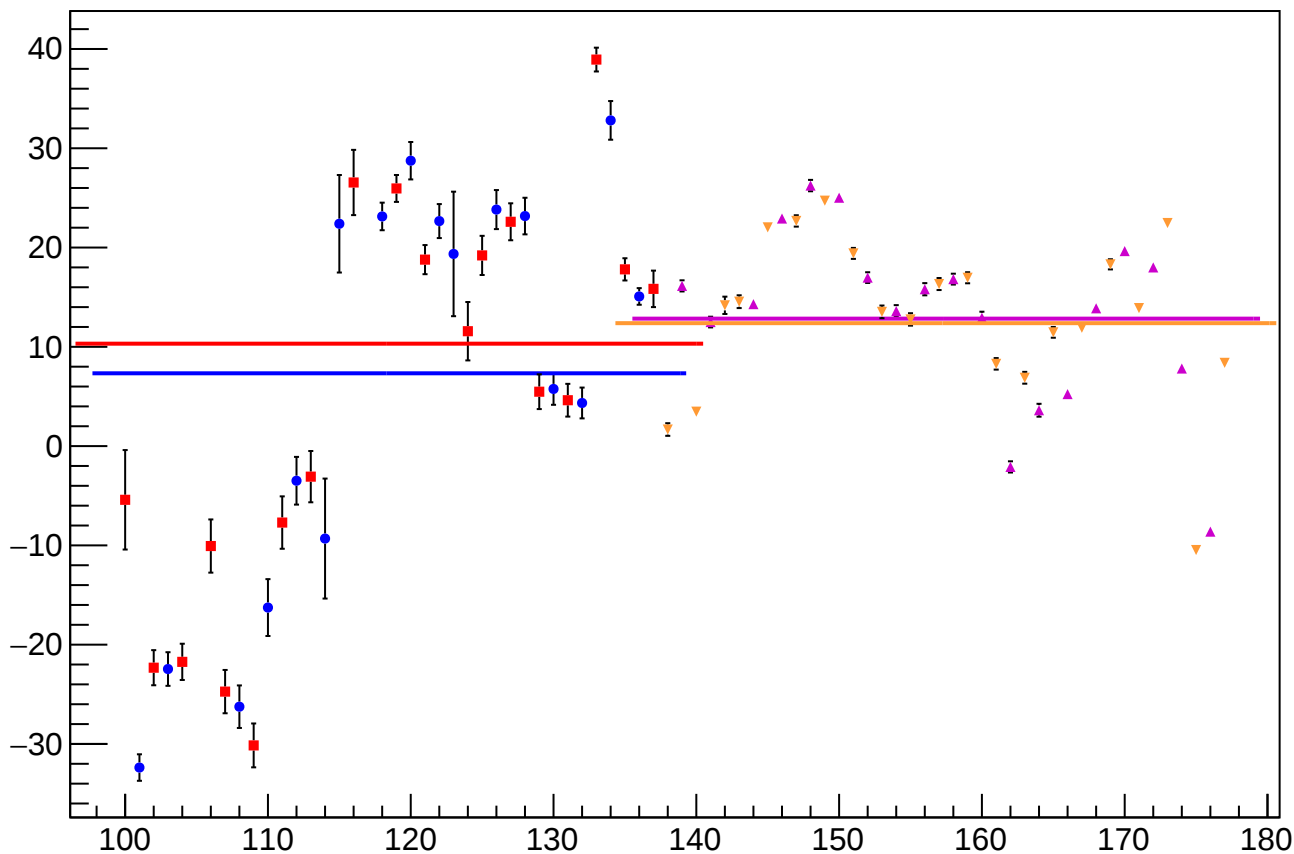
Right: 8.134 $\pm$ 0.152 χ^2 /NDF: 12026.5/35

In: 5.641 $\pm$ 0.081 χ^2 /NDF: 10084.8/35

Out: 6.041 $\pm$ 0.079 χ^2 /NDF: 10918.4/39

All: 5.848 $\pm$ 0.056 χ^2 /NDF: 21015.7/75

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 12.383 ± 0.113 χ^2/NDF : 7160.9/20

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

Left In: 12.839 ± 0.115 χ^2/NDF : 7032.8/18

Left: 12.608 ± 0.081 χ^2/NDF : 14201.7/39

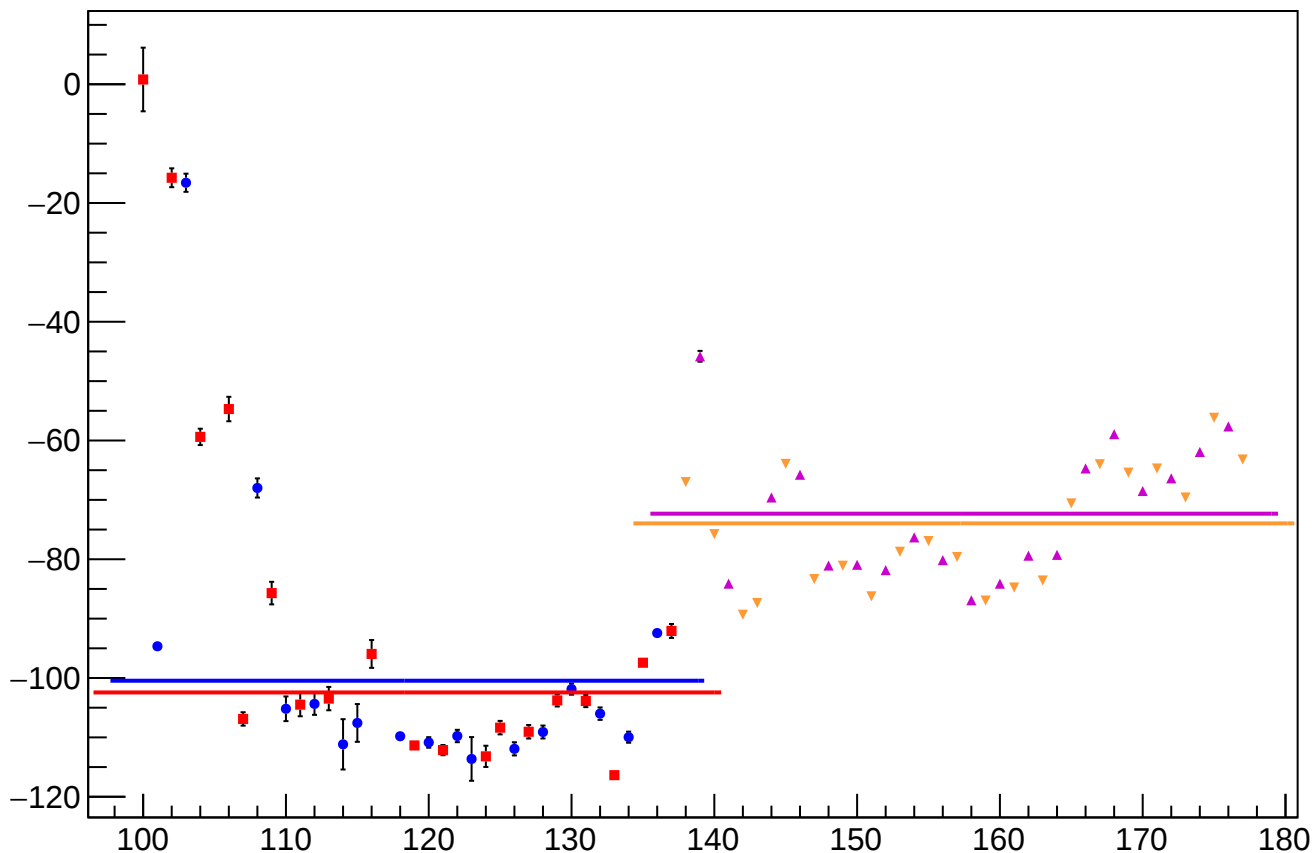
Right: 8.831 ± 0.295 χ^2/NDF : 4600.2/35

In: 12.453 ± 0.111 χ^2/NDF : 9486.8/35

Out: 12.241 ± 0.109 χ^2/NDF : 9465.3/39

All: 12.346 ± 0.078 χ^2/NDF : 18954.0/75

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: -73.956 ± 0.097 χ^2/NDF : 10536.1/20

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

Left In: -72.325 ± 0.100 χ^2/NDF : 9351.6/18

Left: -73.166 ± 0.069 χ^2/NDF : 20025.8/39

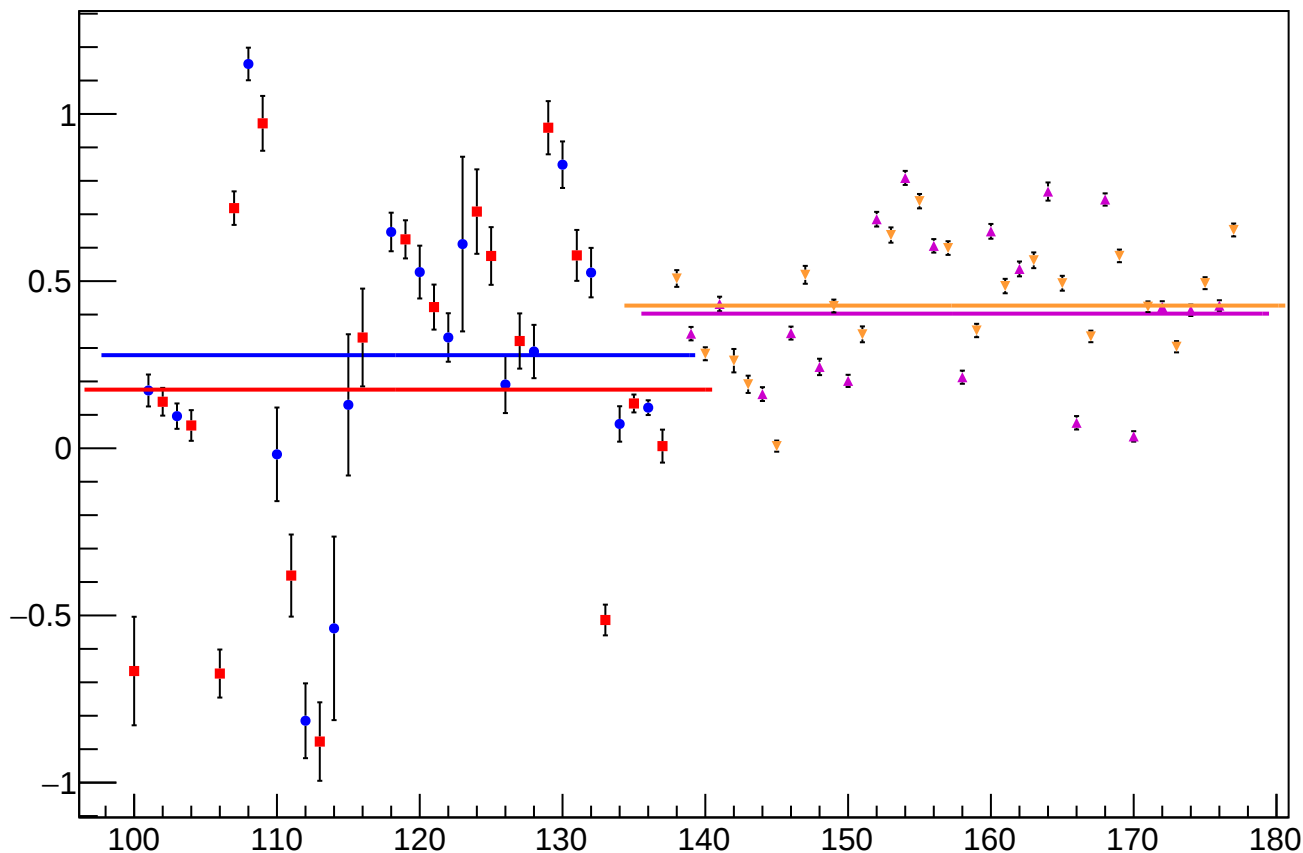
Right: -101.462 ± 0.176 χ^2/NDF : 10586.9/35

In: -76.161 ± 0.093 χ^2/NDF : 24683.8/35

Out: -77.756 ± 0.090 χ^2/NDF : 28216.1/39

All: -76.981 ± 0.065 χ^2/NDF : 53052.7/75

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 $\pm$ 0.014 χ^2 /NDF: 653.9/16

Left Out: 0.427 $\pm$ 0.004 χ^2 /NDF:1556.1/20

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

Left In: 0.403 $\pm$ 0.005 χ^2 /NDF:2554.6/18

Left: 0.415 $\pm$ 0.003 χ^2 /NDF: 4125.2/39

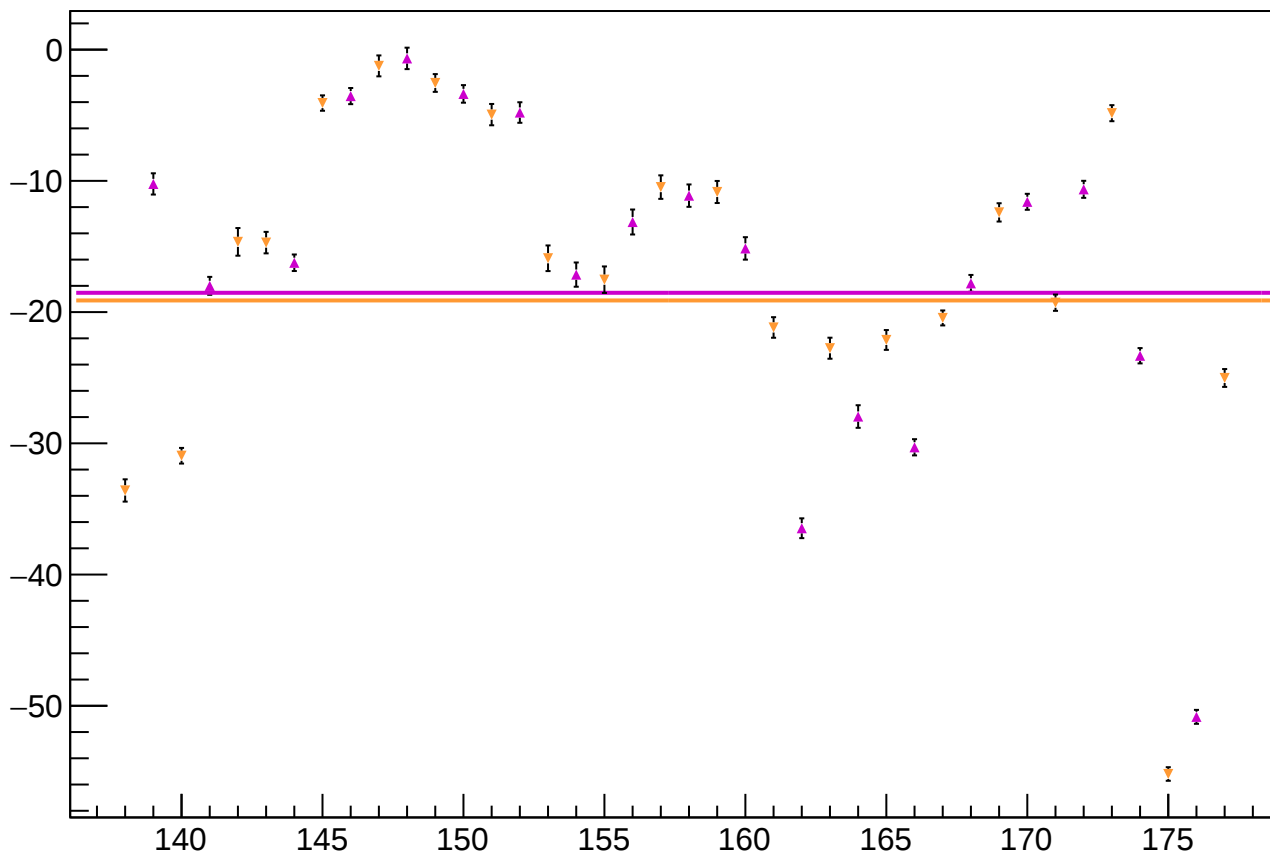
Right: 0.227 $\pm$ 0.010 χ^2 /NDF: 1650.8/35

In: 0.390 $\pm$ 0.004 χ^2 /NDF:3284.6/35

Out: 0.402 $\pm$ 0.004 χ^2 /NDF:2837.5/39

All: 0.396 $\pm$ 0.003 χ^2 /NDF: 6125.8/75

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: -19.112+/-0.157 χ^2/NDF :8608.1/20

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

Left In: -18.529+/-0.160 χ^2/NDF :7232.6/18

Left: -18.827+/-0.112 χ^2/NDF : 15847.4/39

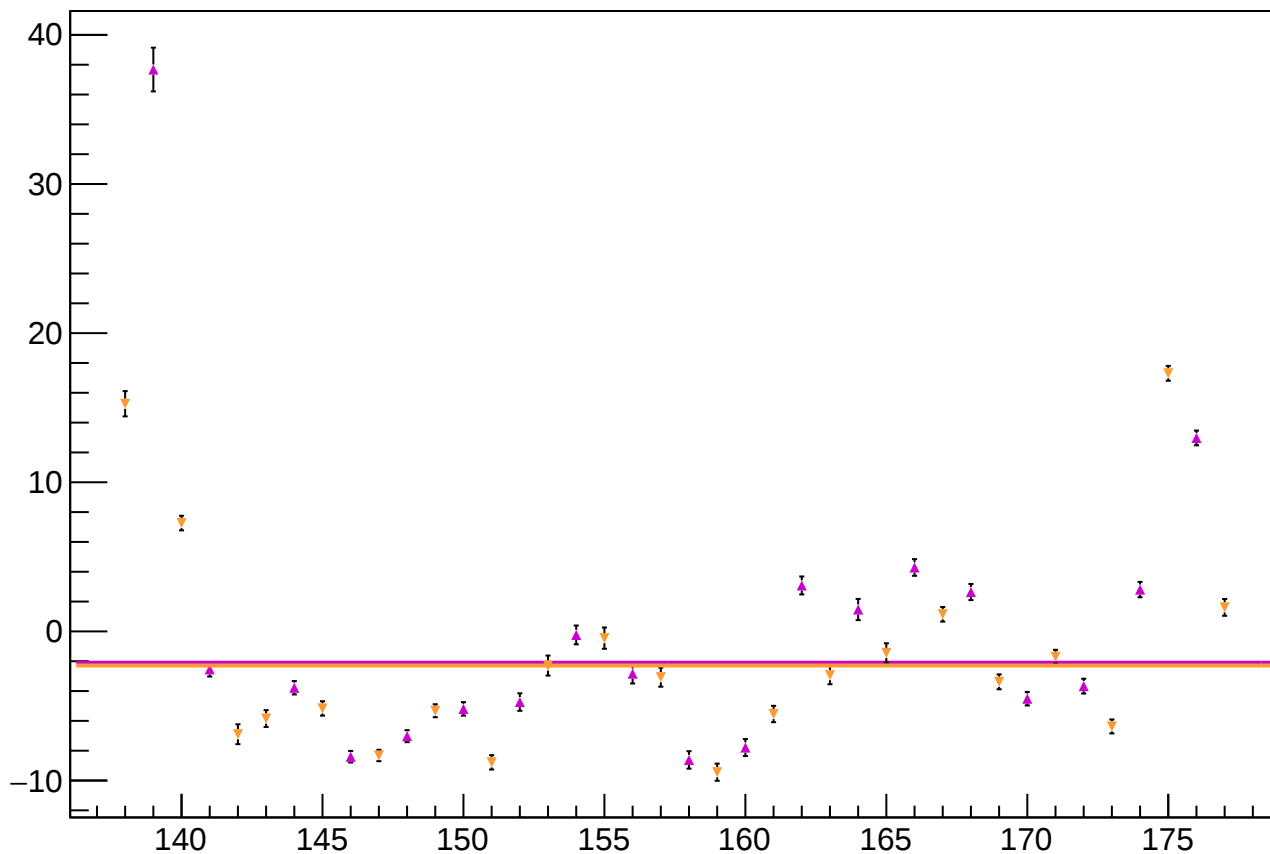
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.529+/-0.160 χ^2/NDF :7232.6/18

Out: -19.112+/-0.157 χ^2/NDF :8608.1/20

All: -18.827+/-0.112 χ^2/NDF : 15847.4/39

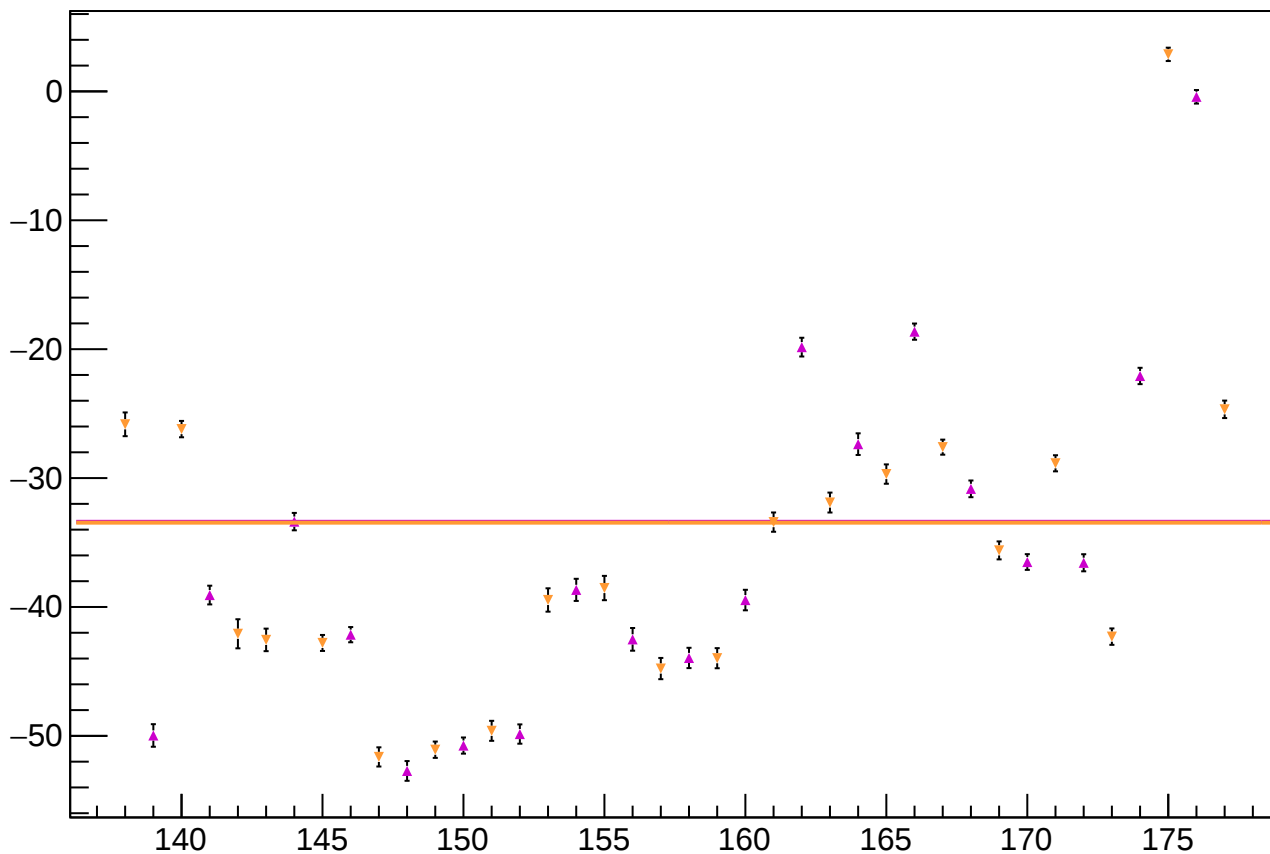
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.287+/-0.116 χ^2/NDF :3342.1/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.102+/-0.120 χ^2/NDF :2827.9/18

Left: -2.198+/-0.084 χ^2/NDF : 6171.3/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.102+/-0.120 χ^2/NDF :2827.9/18
 Out: -2.287+/-0.116 χ^2/NDF :3342.1/20
 All: -2.198+/-0.084 χ^2/NDF : 6171.3/39

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -33.457+/-0.156 χ^2/NDF :8307.1/20

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

Left In: -33.394+/-0.159 χ^2/NDF :8176.7/18

Left: -33.426+/-0.112 χ^2/NDF : 16483.9/39

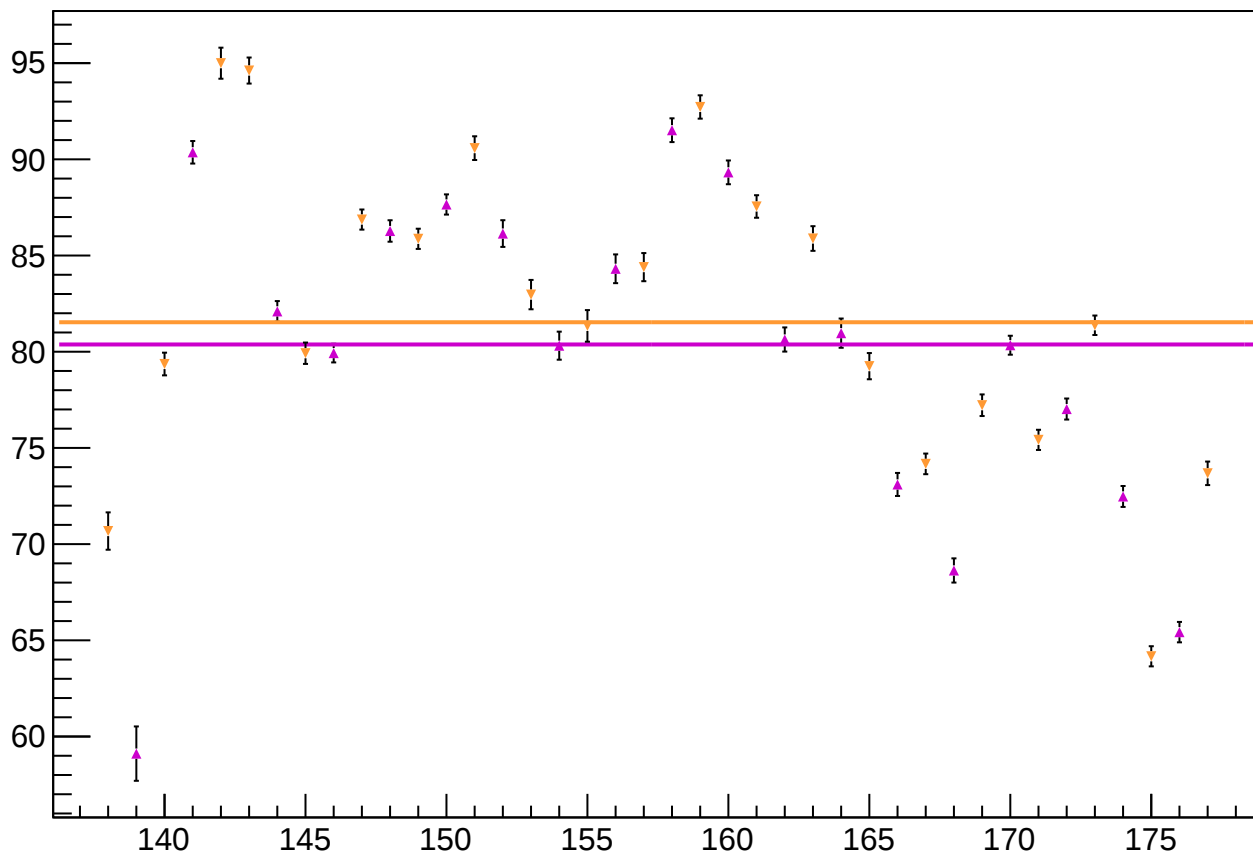
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -33.394+/-0.159 χ^2/NDF :8176.7/18

Out: -33.457+/-0.156 χ^2/NDF :8307.1/20

All: -33.426+/-0.112 χ^2/NDF : 16483.9/39

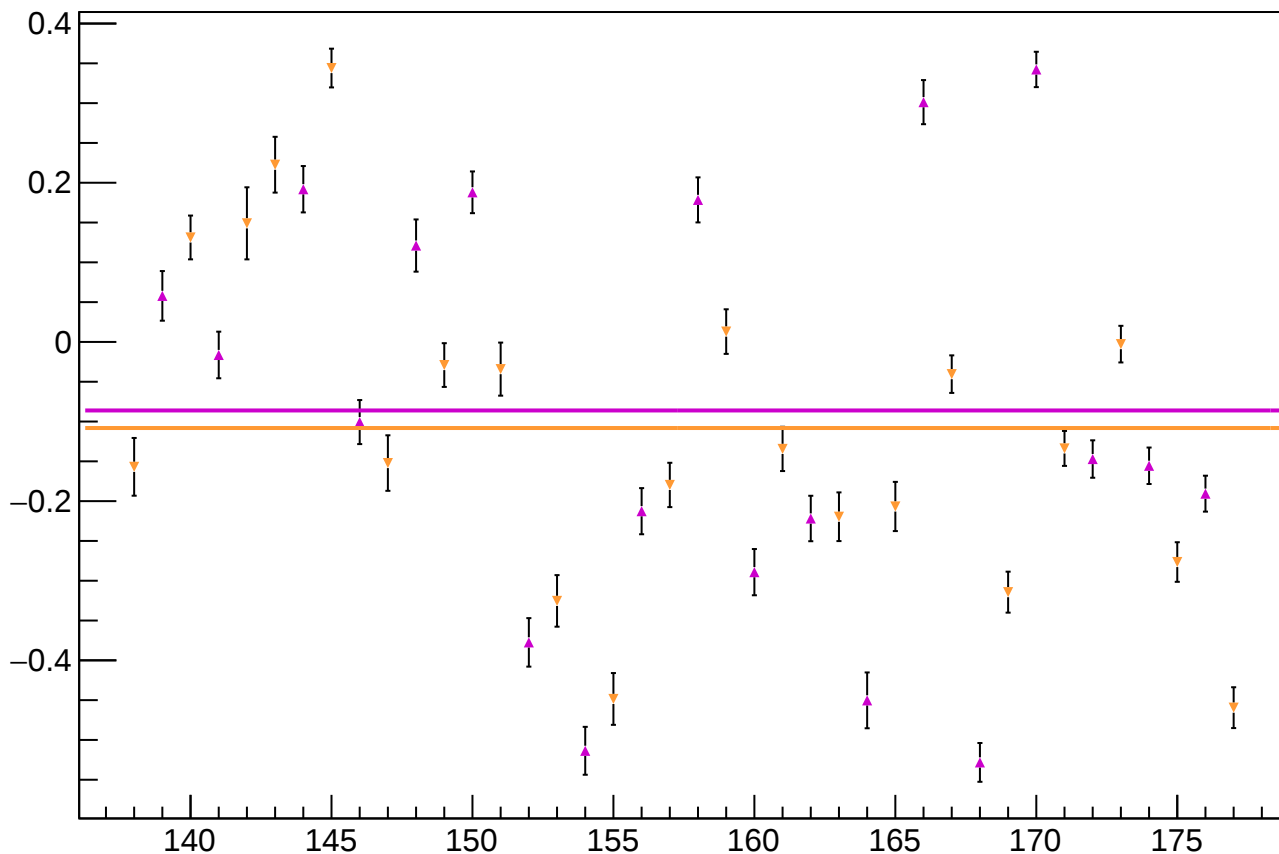
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 81.532 $\pm$ 0.133 χ^2/NDF :3355.6/20
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 80.377 $\pm$ 0.137 χ^2/NDF :3003.7/18

Left: 80.974 $\pm$ 0.096 χ^2/NDF : 6395.9/39
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 80.377 $\pm$ 0.137 χ^2/NDF :3003.7/18
 Out: 81.532 $\pm$ 0.133 χ^2/NDF :3355.6/20
 All: 80.974 $\pm$ 0.096 χ^2/NDF : 6395.9/39

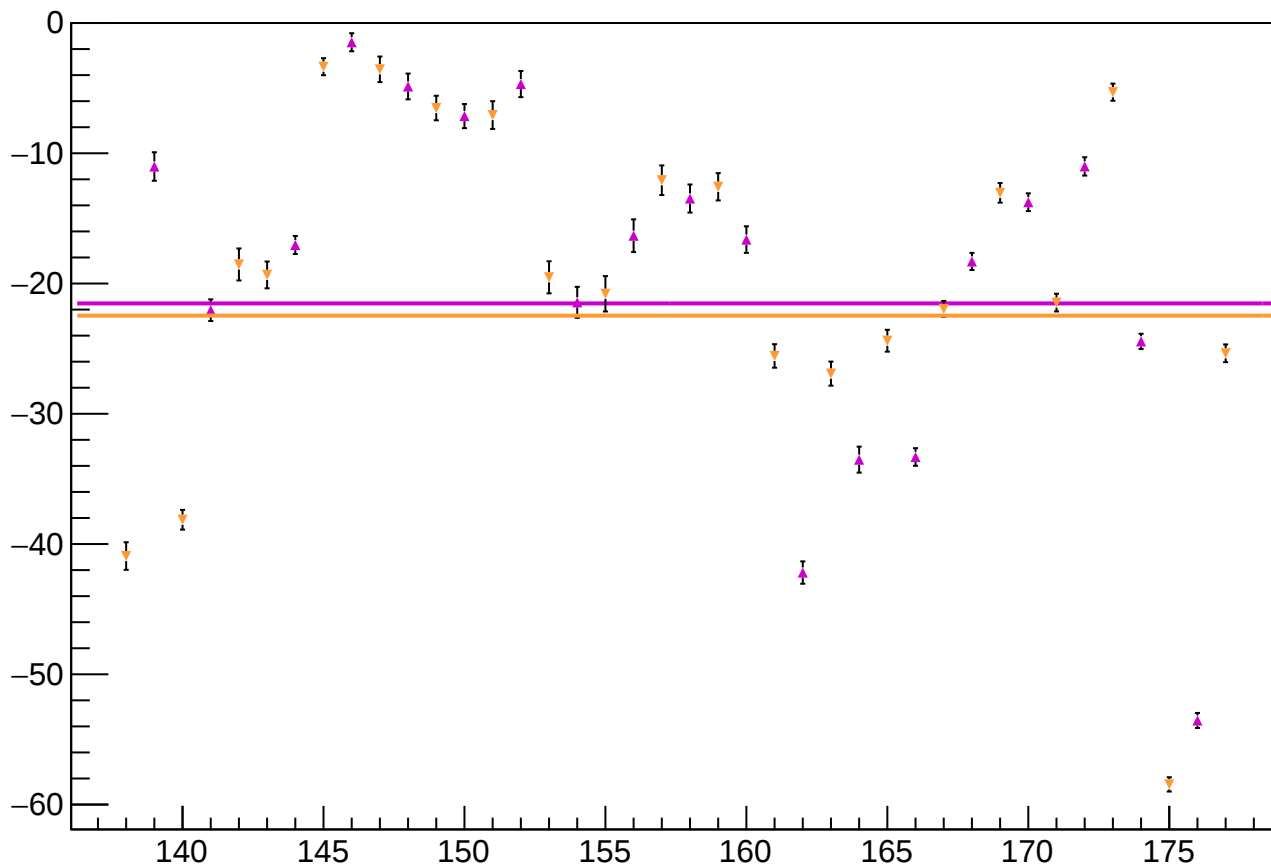
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.108+/-0.006 χ^2/NDF :1091.0/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.086+/-0.006 χ^2/NDF :1780.6/18

Left: -0.097+/-0.004 χ^2/NDF : 2877.9/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.086+/-0.006 χ^2/NDF :1780.6/18
 Out: -0.108+/-0.006 χ^2/NDF :1091.0/20
 All: -0.097+/-0.004 χ^2/NDF : 2877.9/39

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.464+/-0.180 χ^2/NDF : 7847.4/20

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

Left In: -21.528+/-0.184 χ^2/NDF : 6366.0/18

Left: -22.004+/-0.129 χ^2/NDF : 14226.6/39

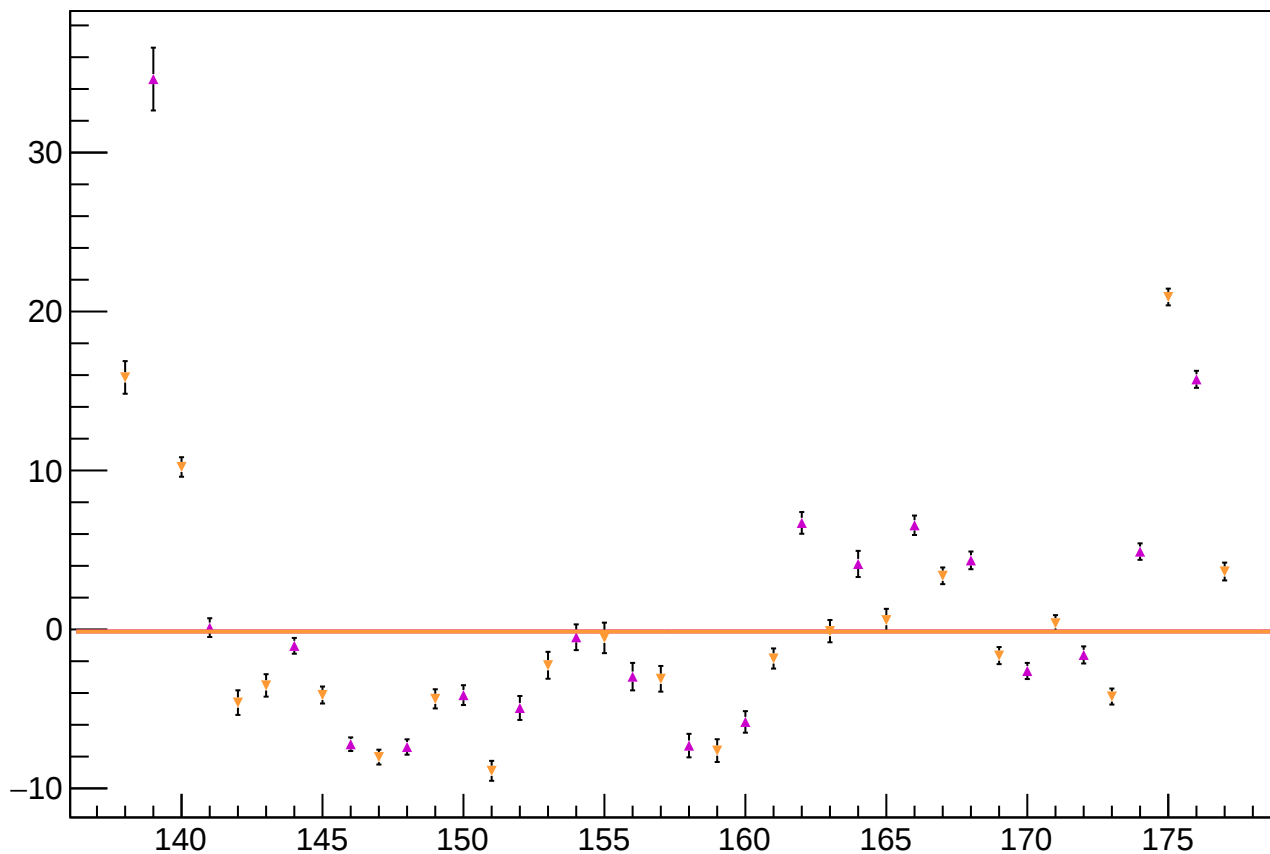
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.528+/-0.184 χ^2/NDF : 6366.0/18

Out: -22.464+/-0.180 χ^2/NDF : 7847.4/20

All: -22.004+/-0.129 χ^2/NDF : 14226.6/39

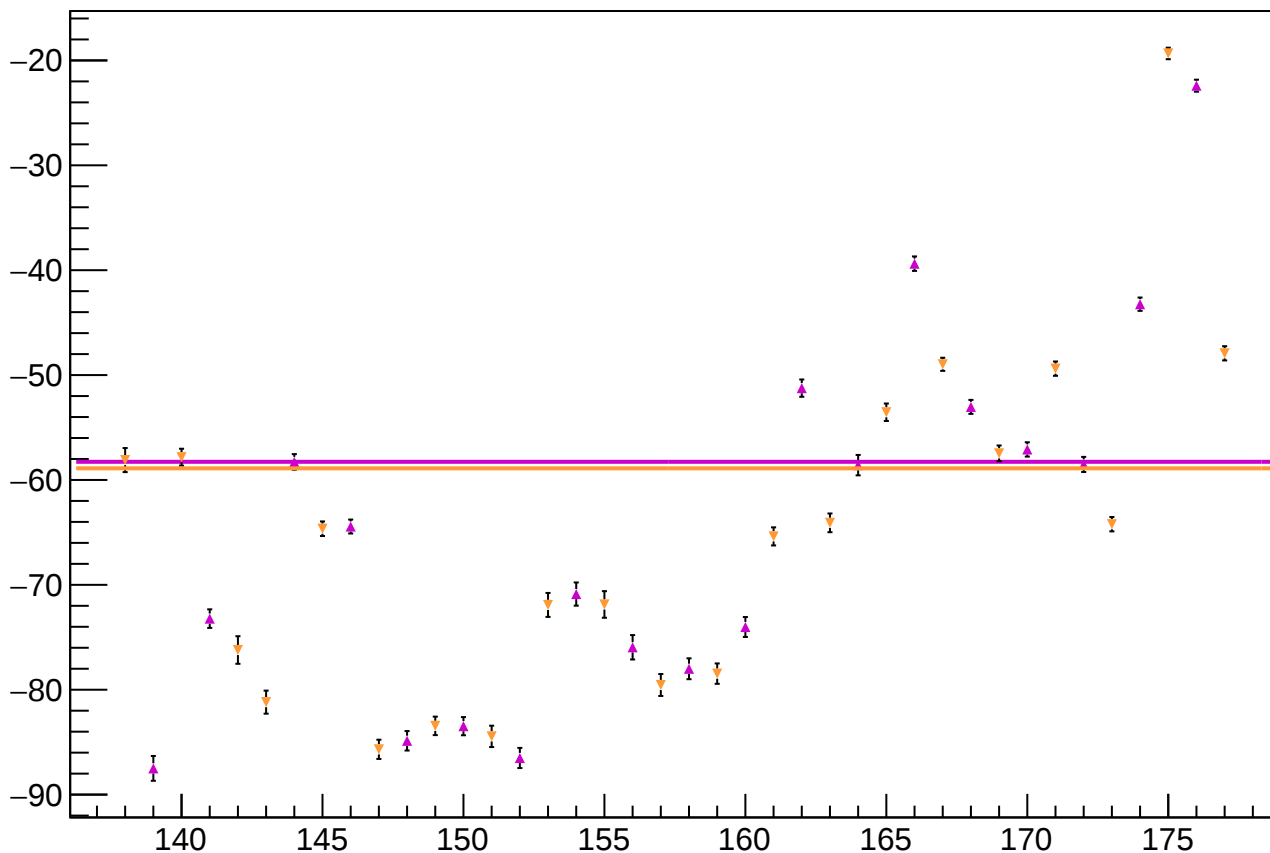
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.133+/-0.135 χ^2/NDF :3069.4/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.126+/-0.138 χ^2/NDF :2386.2/18

Left: -0.130+/-0.097 χ^2/NDF : 5455.6/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.126+/-0.138 χ^2/NDF :2386.2/18
 Out: -0.133+/-0.135 χ^2/NDF :3069.4/20
 All: -0.130+/-0.097 χ^2/NDF : 5455.6/39

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: -58.891+/-0.180 χ^2/NDF :10023.0/20

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

Left In: -58.268+/-0.183 χ^2/NDF :9906.8/18

Left: -58.585+/-0.129 χ^2/NDF : 19935.7/39

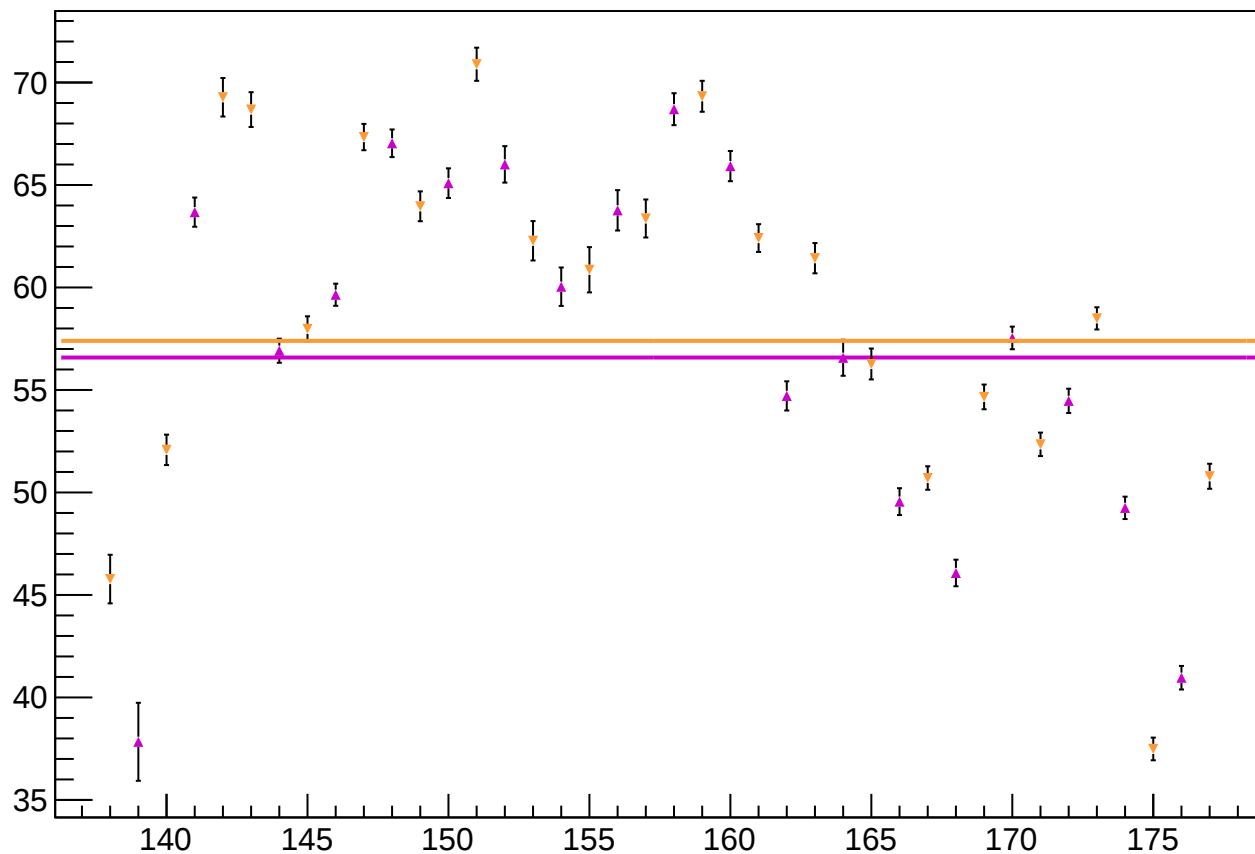
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -58.268+/-0.183 χ^2/NDF :9906.8/18

Out: -58.891+/-0.180 χ^2/NDF :10023.0/20

All: -58.585+/-0.129 χ^2/NDF : 19935.7/39

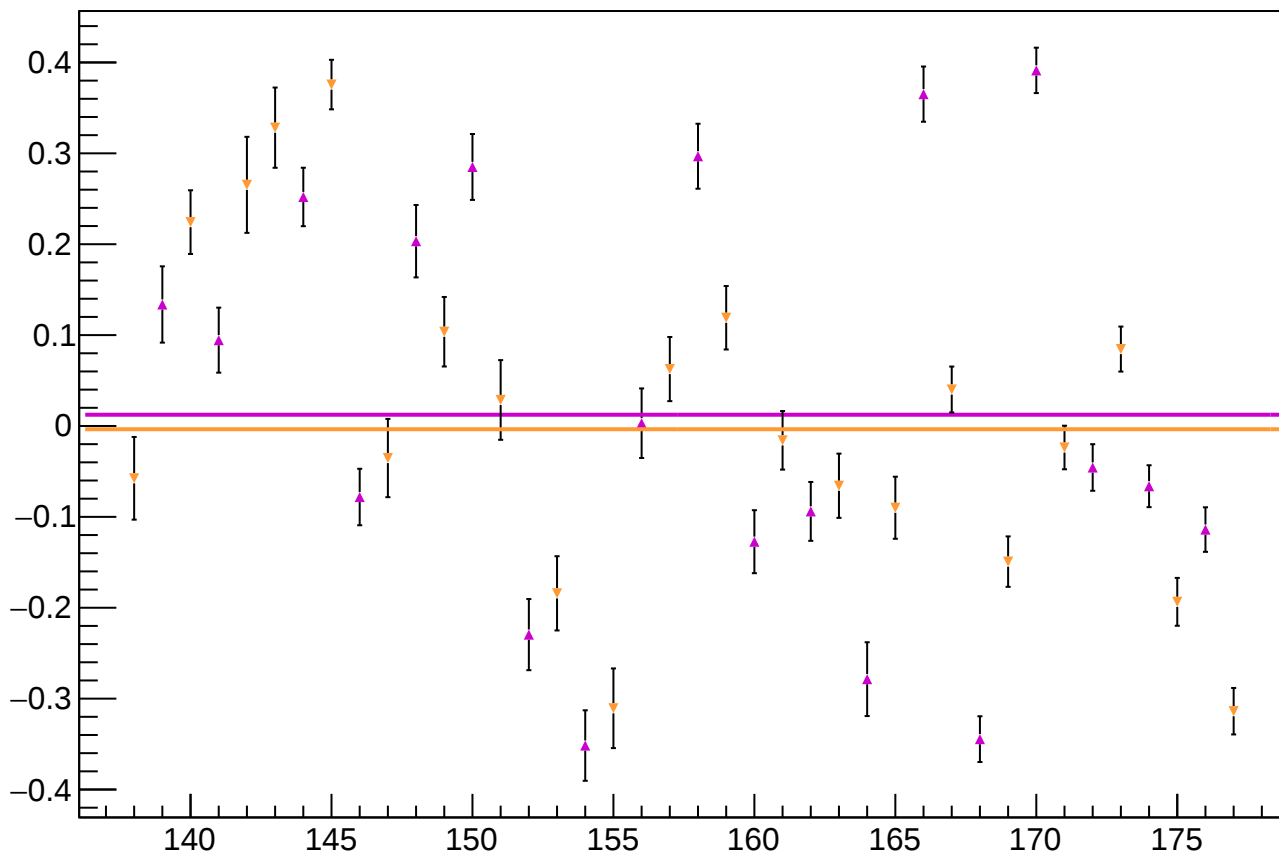
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: 57.395 +/- 0.154 χ^2/NDF : 3148.3/20
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: 56.583 +/- 0.158 χ^2/NDF : 2508.8/18

Left: 57.000 +/- 0.110 χ^2/NDF : 5670.6/39
 Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 In: 56.583 +/- 0.158 χ^2/NDF : 2508.8/18
 Out: 57.395 +/- 0.154 χ^2/NDF : 3148.3/20
 All: 57.000 +/- 0.110 χ^2/NDF : 5670.6/39

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.004 $\pm$ 0.007 χ^2 /NDF:665.9/20

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

Left In: 0.012 $\pm$ 0.007 χ^2 /NDF:1034.5/18

Left: 0.004 $\pm$ 0.005 χ^2 /NDF: 1702.9/39

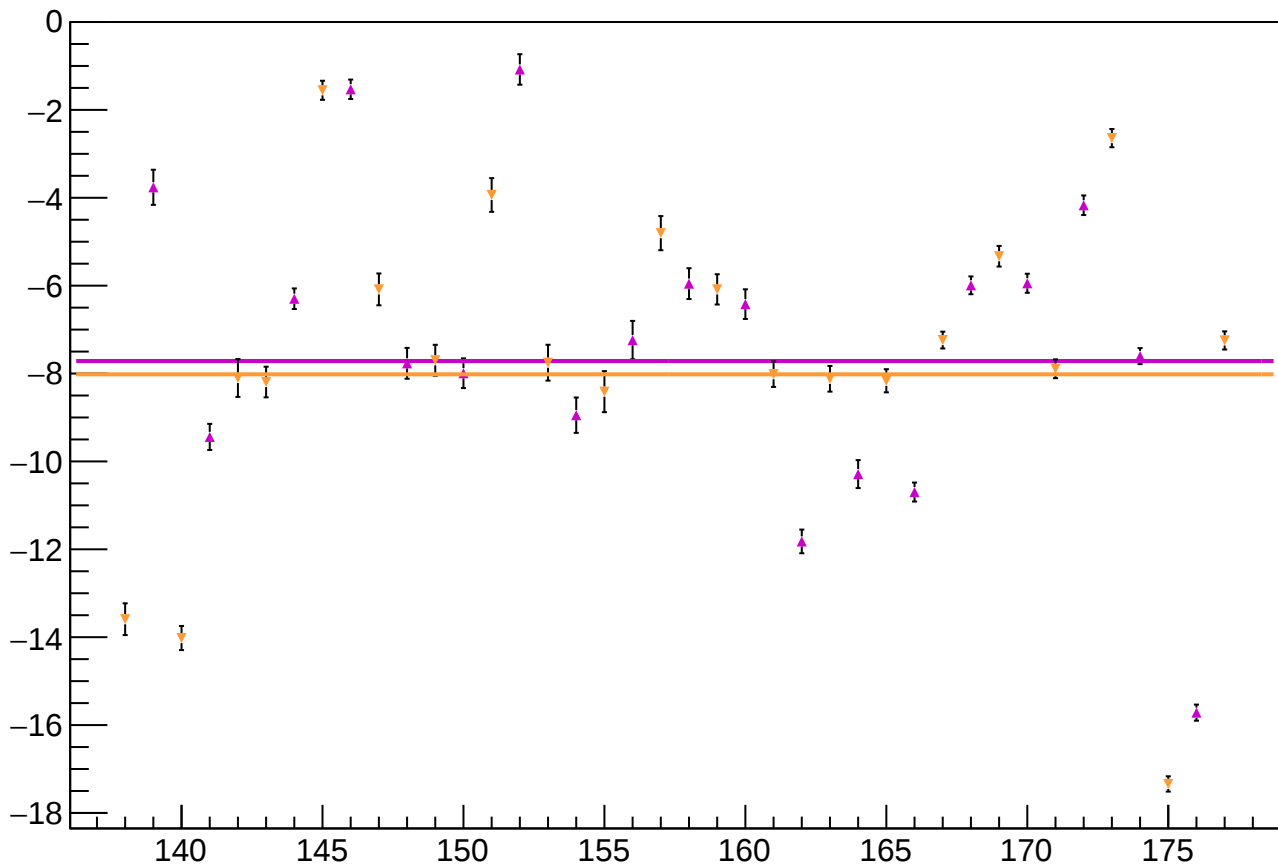
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.012 $\pm$ 0.007 χ^2 /NDF:1034.5/18

Out: -0.004 $\pm$ 0.007 χ^2 /NDF:665.9/20

All: 0.004 $\pm$ 0.005 χ^2 /NDF: 1702.9/39

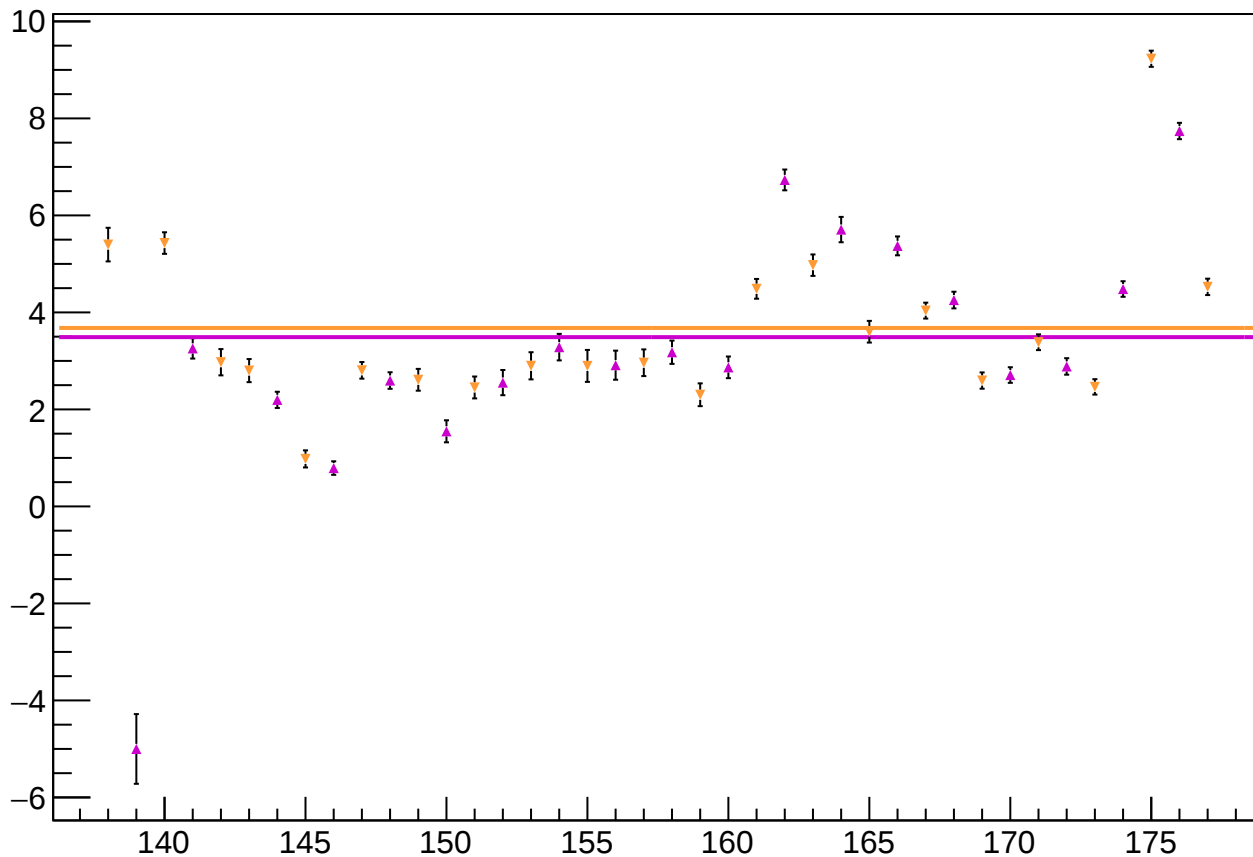
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.018+/-0.059 χ^2/NDF :5550.1/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.715+/-0.060 χ^2/NDF :4162.7/18

Left: -7.869+/-0.042 χ^2/NDF : 9725.8/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.715+/-0.060 χ^2/NDF :4162.7/18
 Out: -8.018+/-0.059 χ^2/NDF :5550.1/20
 All: -7.869+/-0.042 χ^2/NDF : 9725.8/39

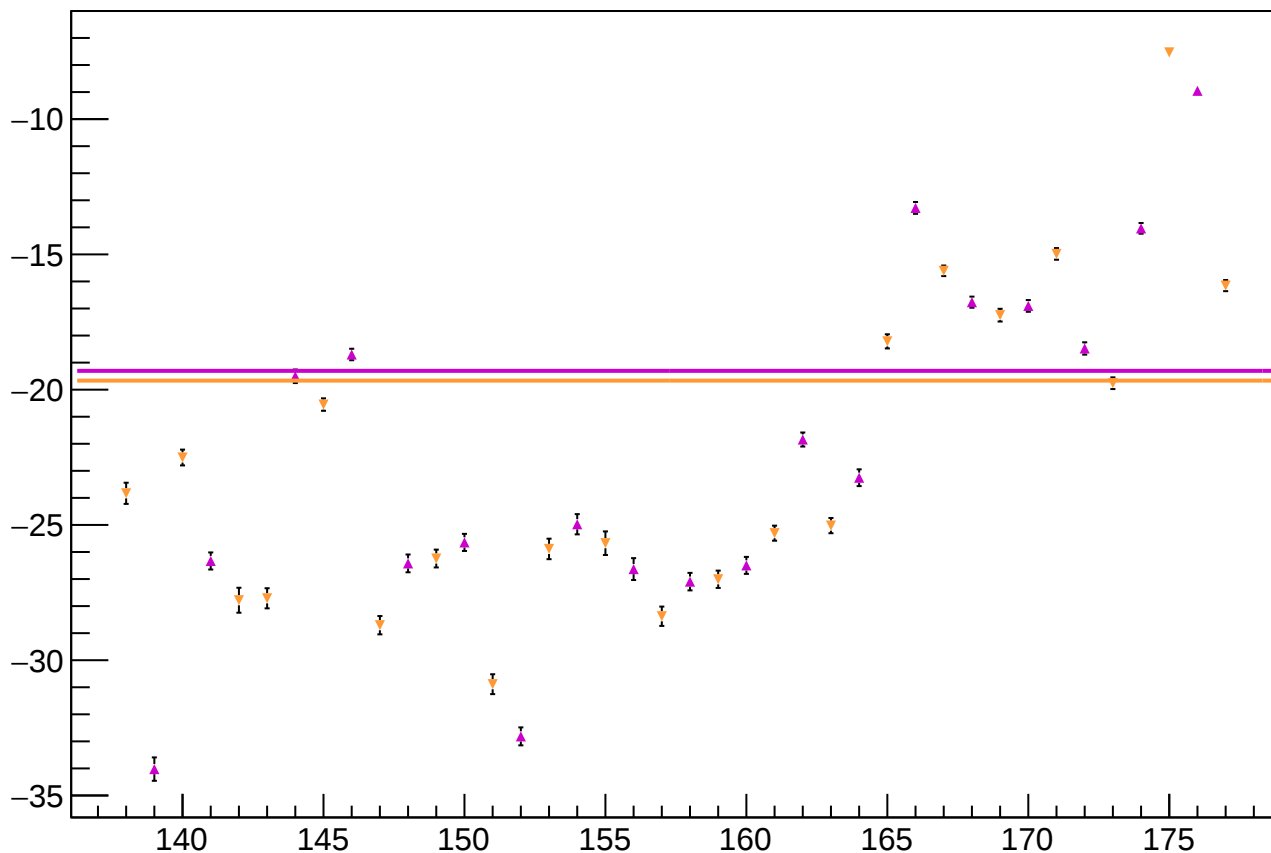
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.680 $\pm$ 0.045 χ^2 /NDF:1765.2/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.490 $\pm$ 0.045 χ^2 /NDF:1827.2/18

Left: 3.587 $\pm$ 0.032 χ^2 /NDF: 3601.3/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.490 $\pm$ 0.045 χ^2 /NDF:1827.2/18
 Out: 3.680 $\pm$ 0.045 χ^2 /NDF:1765.2/20
 All: 3.587 $\pm$ 0.032 χ^2 /NDF: 3601.3/39

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -19.665+/-0.059 χ^2/NDF :11570.9/20

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

Left In: -19.304+/-0.060 χ^2/NDF :11124.9/18

Left: -19.487+/-0.042 χ^2/NDF : 22714.2/39

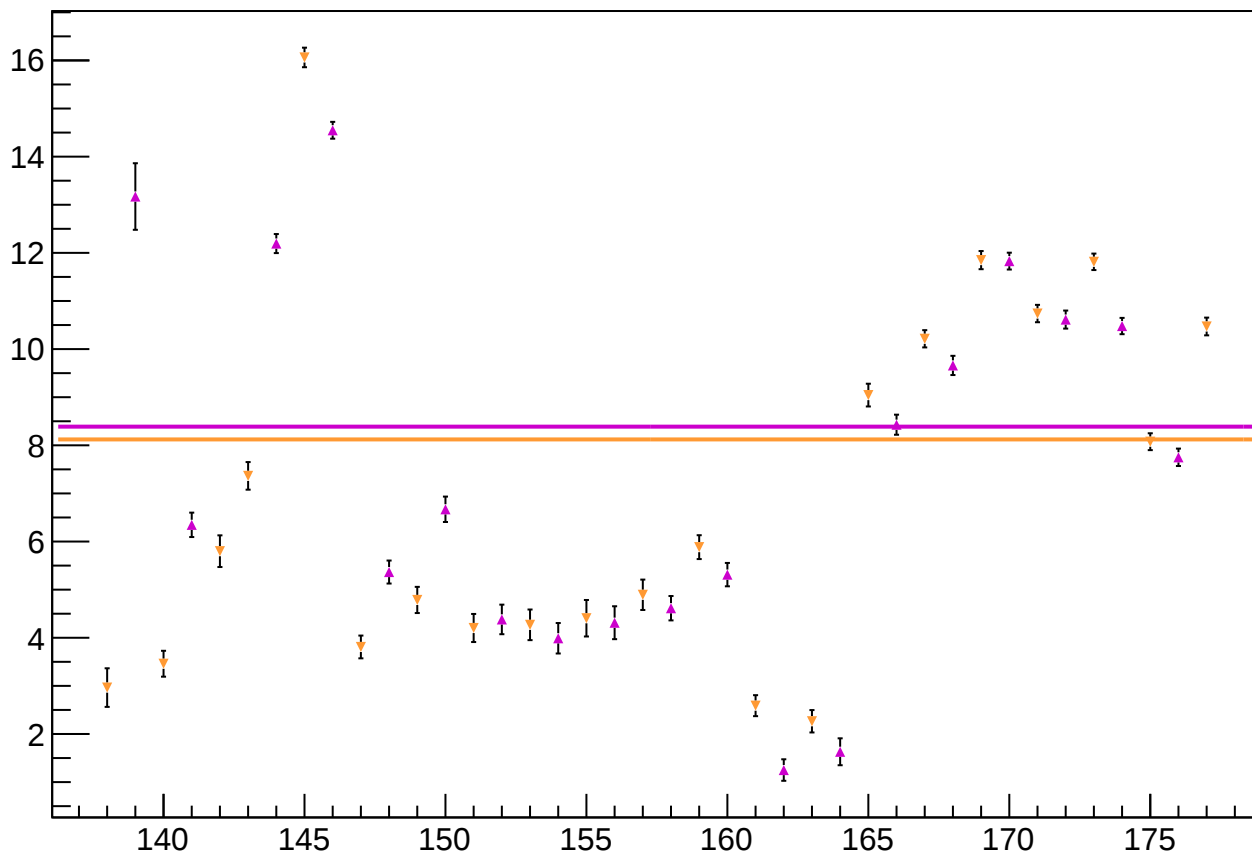
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.304+/-0.060 χ^2/NDF :11124.9/18

Out: -19.665+/-0.059 χ^2/NDF :11570.9/20

All: -19.487+/-0.042 χ^2/NDF : 22714.2/39

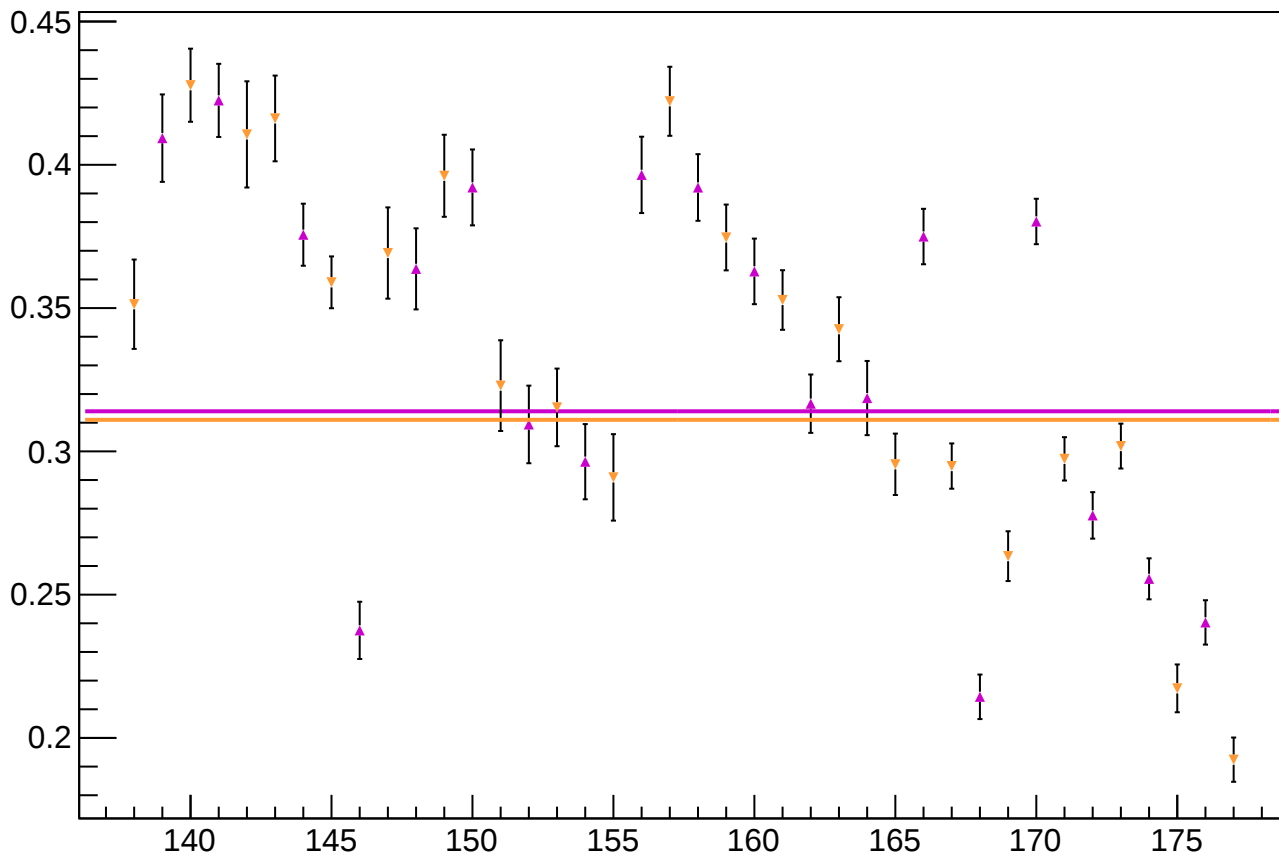
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.122 $\pm$ 0.050 χ^2 /NDF:5797.6/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 8.388 $\pm$ 0.052 χ^2 /NDF:5148.8/18

Left: 8.252 $\pm$ 0.036 χ^2 /NDF: 10960.1/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 8.388 $\pm$ 0.052 χ^2 /NDF:5148.8/18
 Out: 8.122 $\pm$ 0.050 χ^2 /NDF:5797.6/20
 All: 8.252 $\pm$ 0.036 χ^2 /NDF: 10960.1/39

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.311 $\pm$ 0.002 χ^2 /NDF:791.1/20

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

Left In: 0.314 $\pm$ 0.002 χ^2 /NDF:804.6/18

Left: 0.312 $\pm$ 0.002 χ^2 /NDF: 1596.6/39

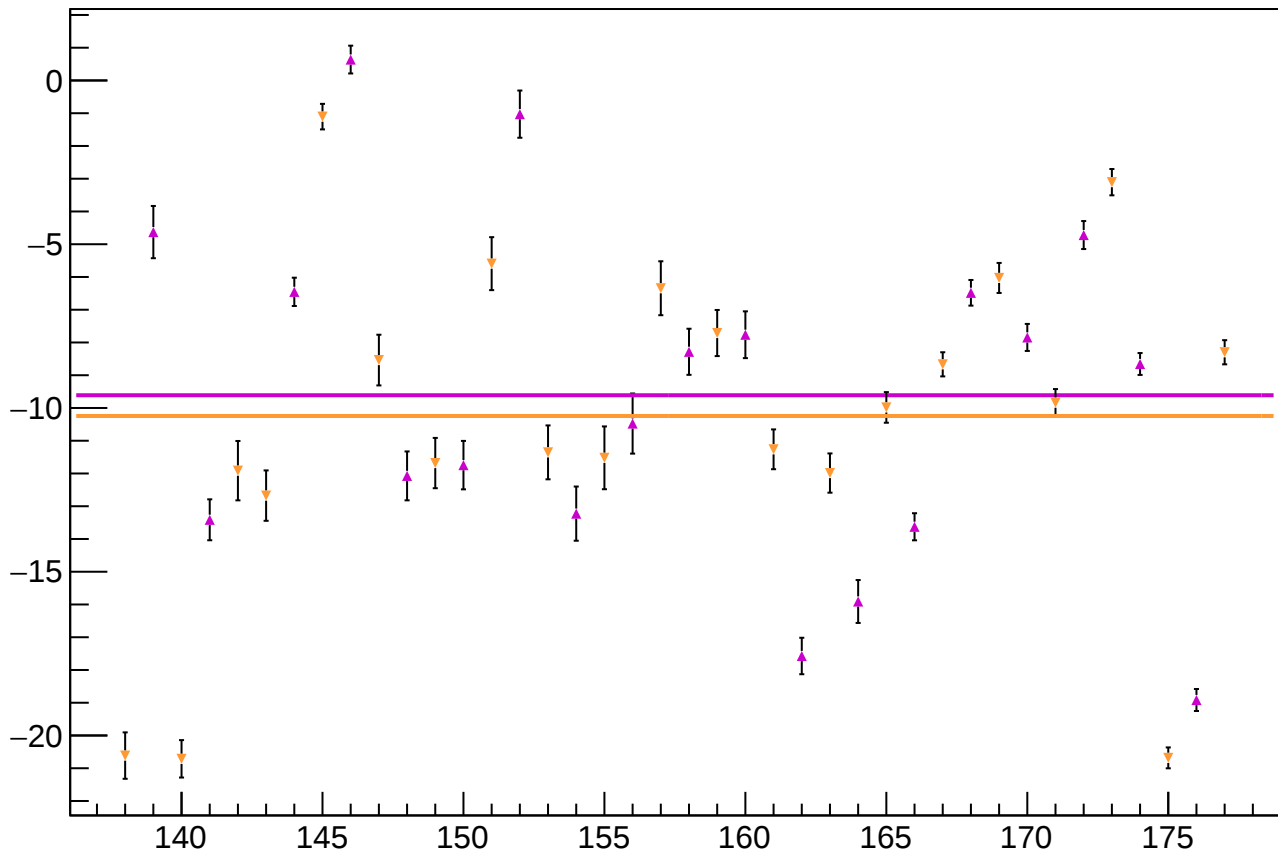
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.314 $\pm$ 0.002 χ^2 /NDF:804.6/18

Out: 0.311 $\pm$ 0.002 χ^2 /NDF:791.1/20

All: 0.312 $\pm$ 0.002 χ^2 /NDF: 1596.6/39

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.244 $\pm$ 0.114 χ^2 /NDF:2725.1/20

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

Left In: -9.611 $\pm$ 0.116 χ^2 /NDF:2284.2/18

Left: -9.933 $\pm$ 0.081 χ^2 /NDF: 5024.4/39

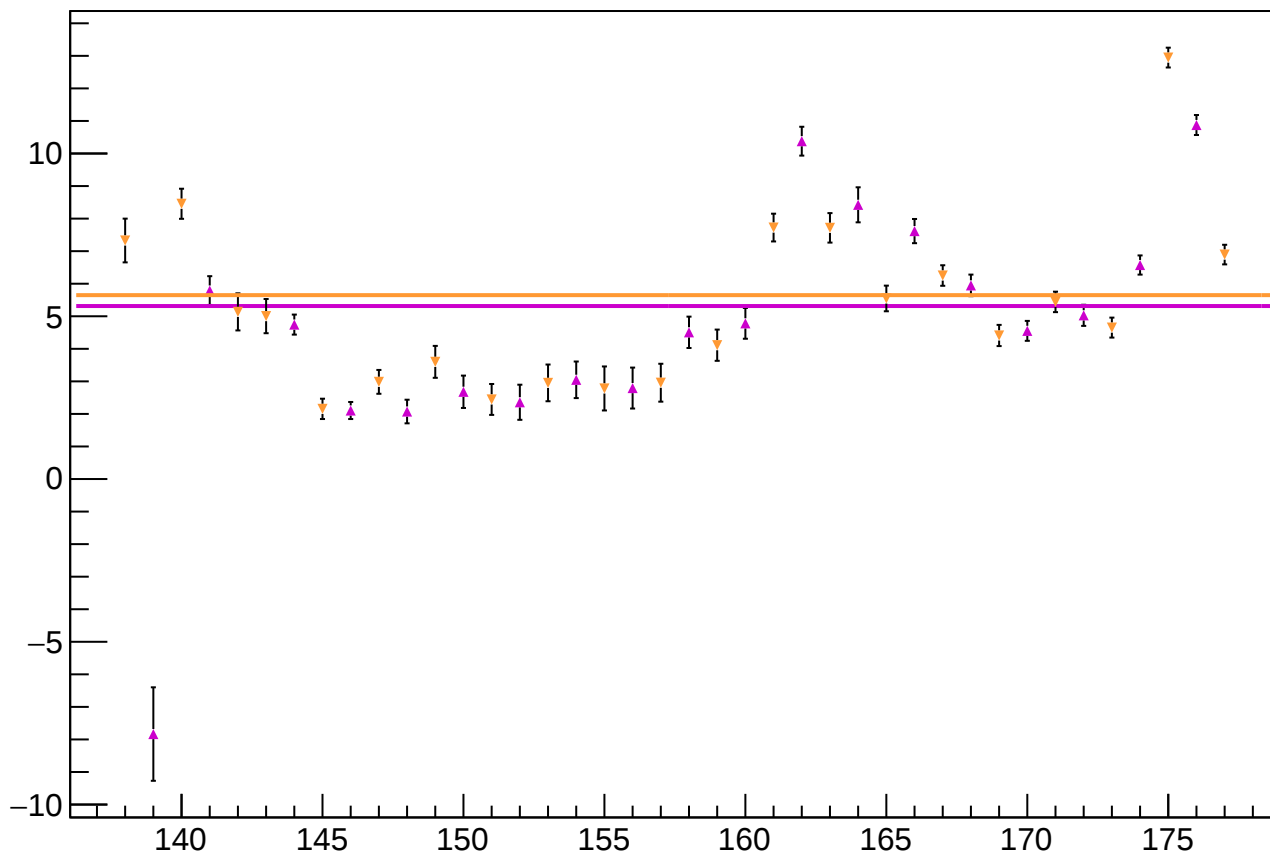
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -9.611 $\pm$ 0.116 χ^2 /NDF:2284.2/18

Out: -10.244 $\pm$ 0.114 χ^2 /NDF:2725.1/20

All: -9.933 $\pm$ 0.081 χ^2 /NDF: 5024.4/39

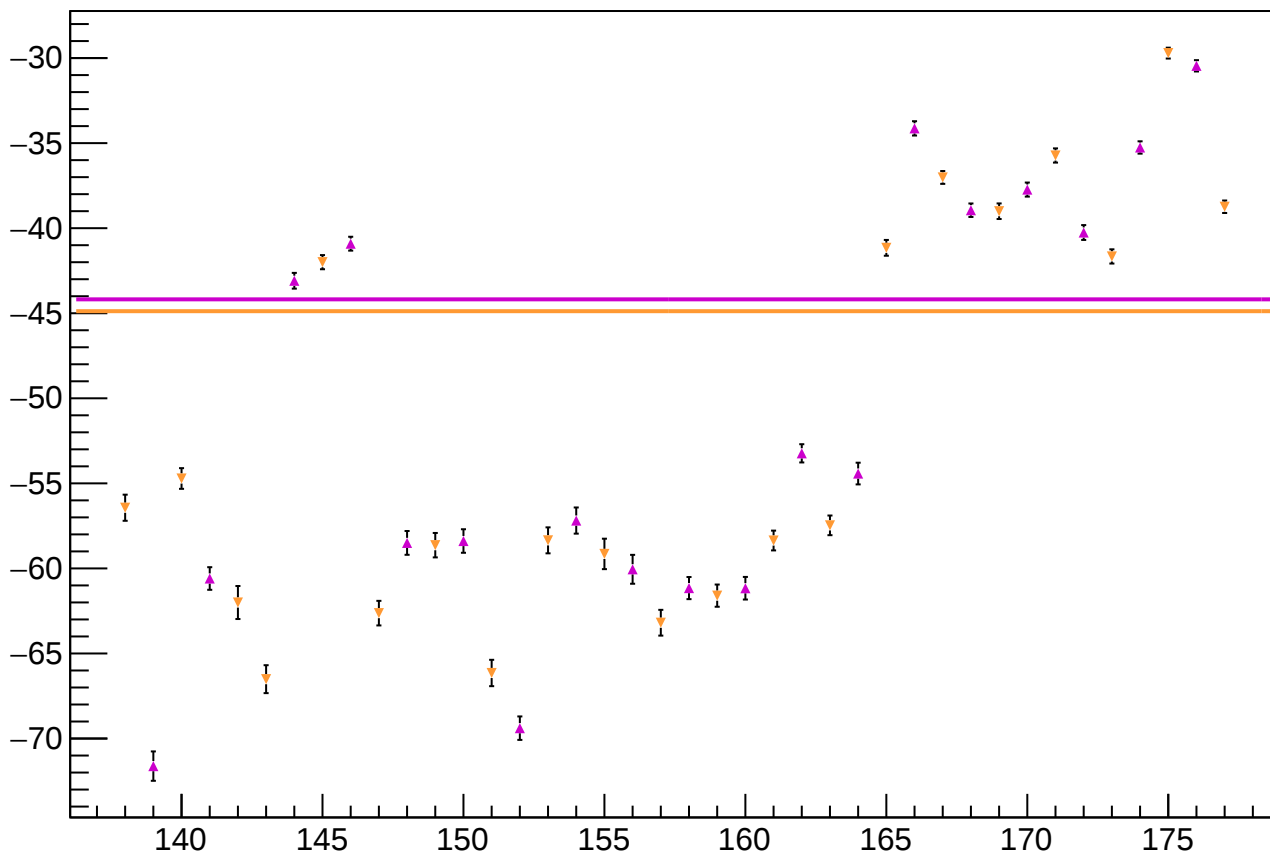
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.649+/-0.087 χ^2/NDF :1024.2/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.314+/-0.089 χ^2/NDF :971.9/18

Left: 5.484+/-0.062 χ^2/NDF : 2003.3/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.314+/-0.089 χ^2/NDF :971.9/18
 Out: 5.649+/-0.087 χ^2/NDF :1024.2/20
 All: 5.484+/-0.062 χ^2/NDF : 2003.3/39

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: -44.879+/-0.114 χ^2/NDF :9818.6/20

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

Left In: -44.183+/-0.116 χ^2/NDF :9757.9/18

Left: -44.537+/-0.082 χ^2/NDF : 19594.7/39

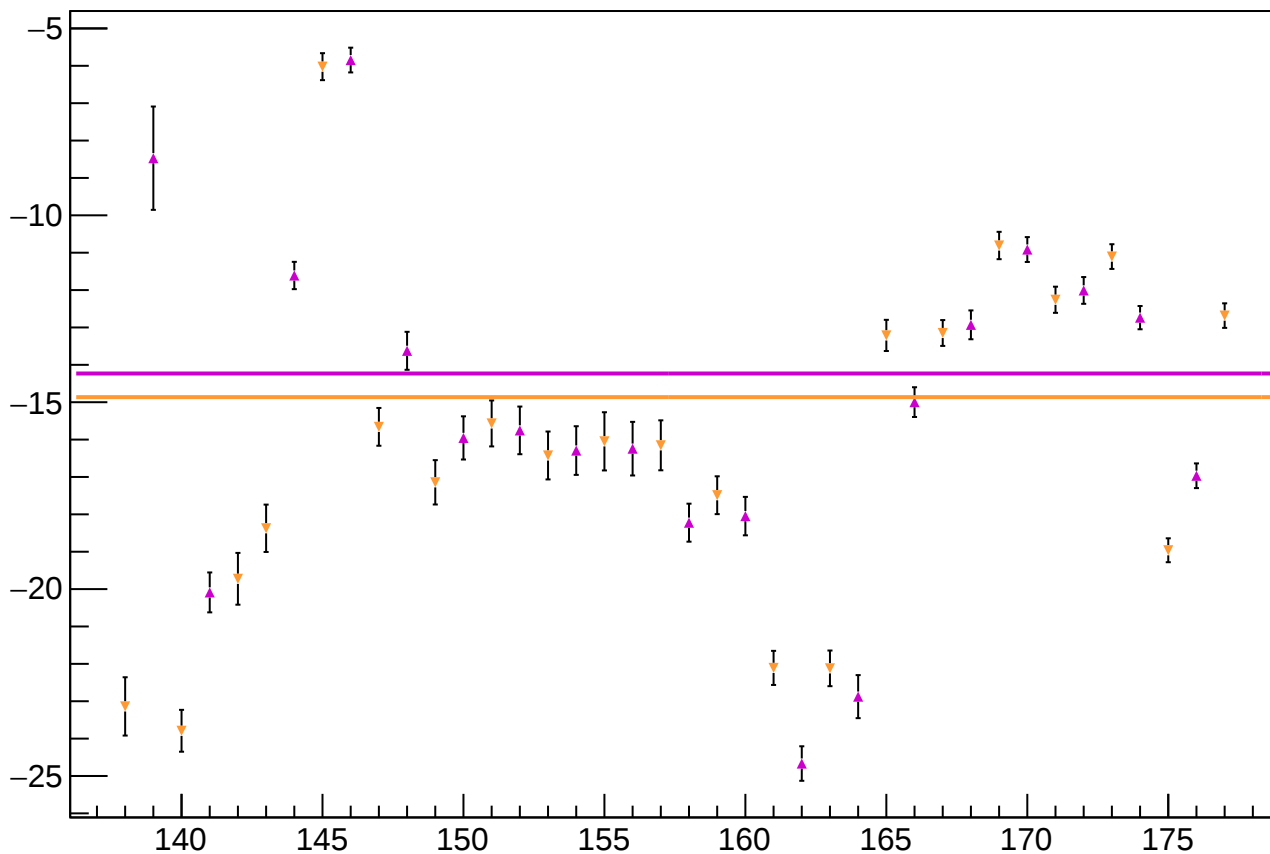
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -44.183+/-0.116 χ^2/NDF :9757.9/18

Out: -44.879+/-0.114 χ^2/NDF :9818.6/20

All: -44.537+/-0.082 χ^2/NDF : 19594.7/39

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -14.865 $\pm$ 0.098 χ^2 /NDF:2144.2/20

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

Left In: -14.232 $\pm$ 0.101 χ^2 /NDF:1961.7/18

Left: -14.556 $\pm$ 0.070 χ^2 /NDF: 4126.2/39

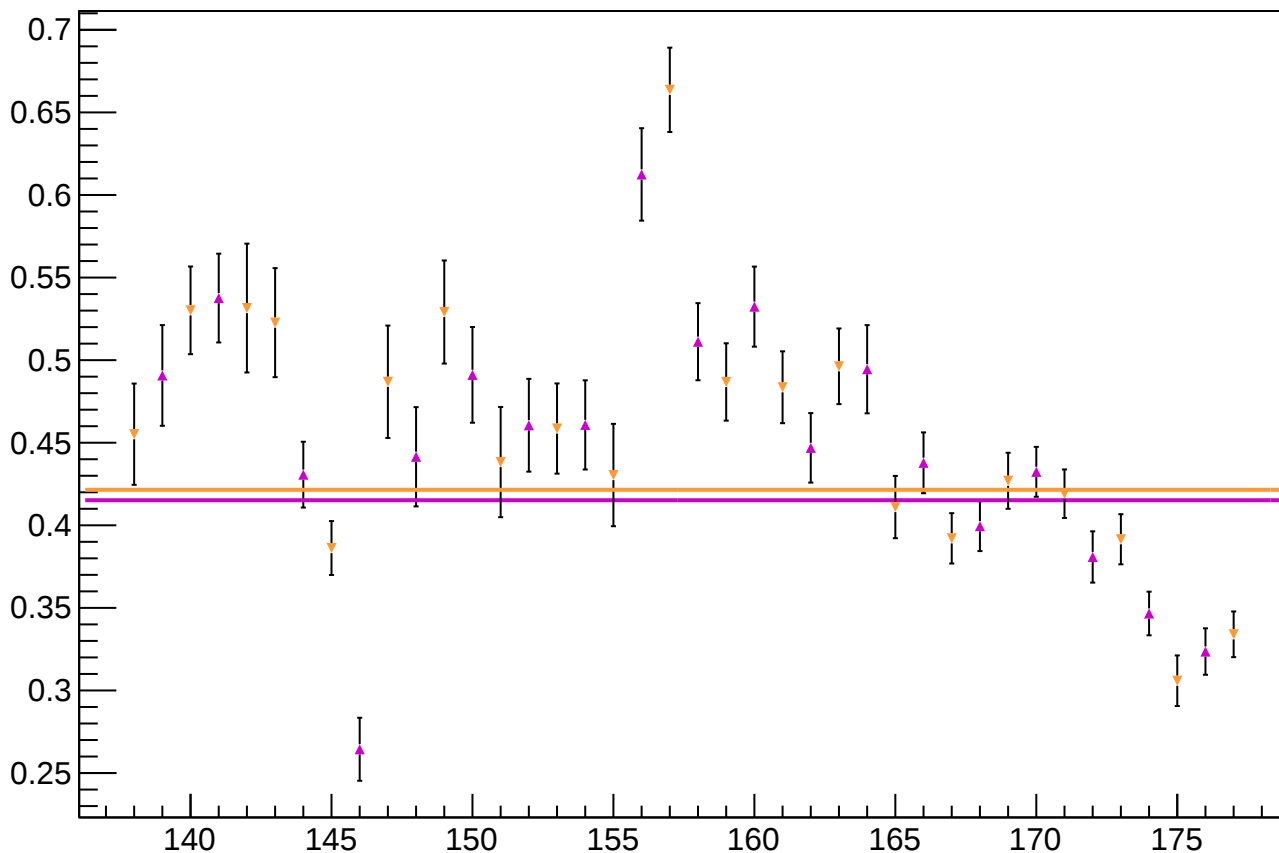
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -14.232 $\pm$ 0.101 χ^2 /NDF:1961.7/18

Out: -14.865 $\pm$ 0.098 χ^2 /NDF:2144.2/20

All: -14.556 $\pm$ 0.070 χ^2 /NDF: 4126.2/39

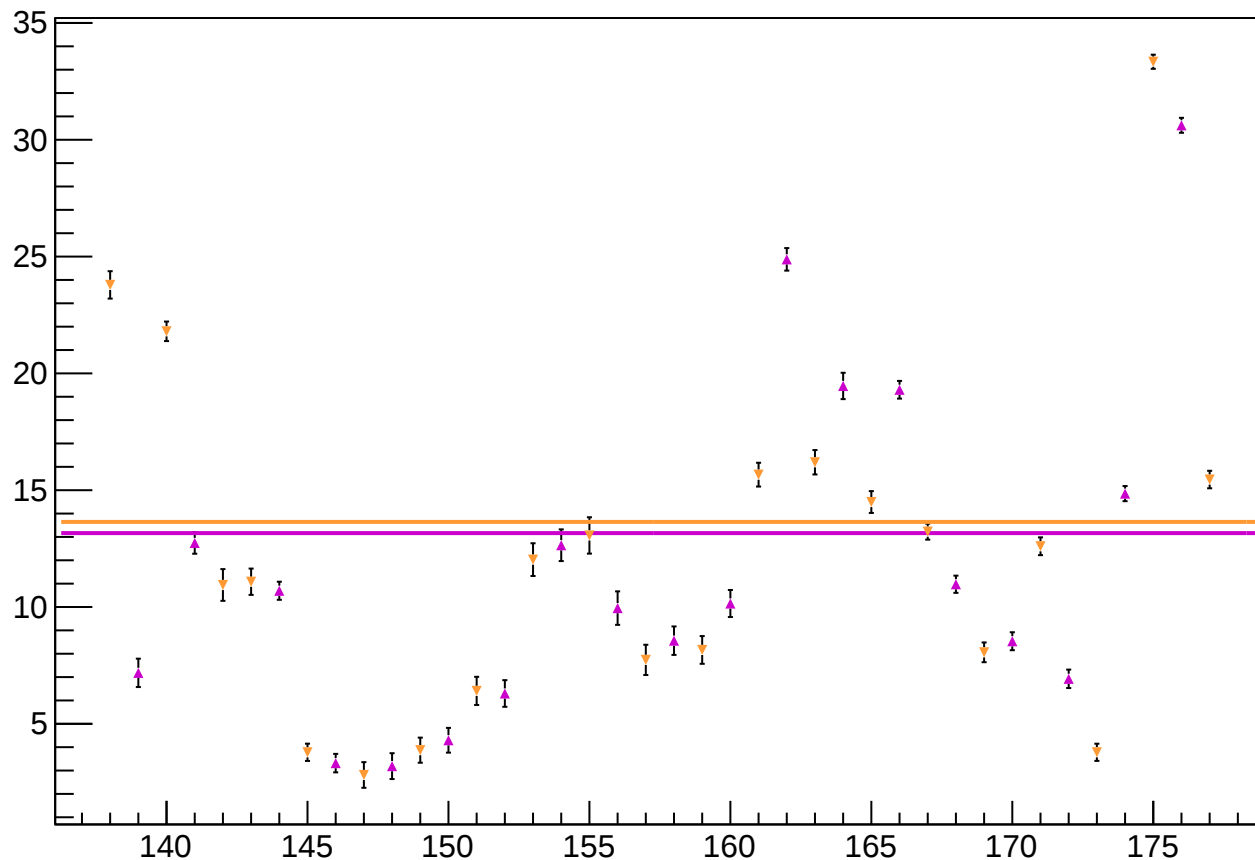
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.421 $\pm$ 0.004 χ^2 /NDF:279.4/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.415 $\pm$ 0.005 χ^2 /NDF:282.3/18

Left: 0.418 $\pm$ 0.003 χ^2 /NDF: 562.7/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.415 $\pm$ 0.005 χ^2 /NDF:282.3/18
 Out: 0.421 $\pm$ 0.004 χ^2 /NDF:279.4/20
 All: 0.418 $\pm$ 0.003 χ^2 /NDF: 562.7/39

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: 13.643 $\pm$ 0.101 χ^2 /NDF:7667.2/20

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

Left In: 13.164 $\pm$ 0.103 χ^2 /NDF:6017.8/18

Left: 13.408 $\pm$ 0.072 χ^2 /NDF: 13696.0/39

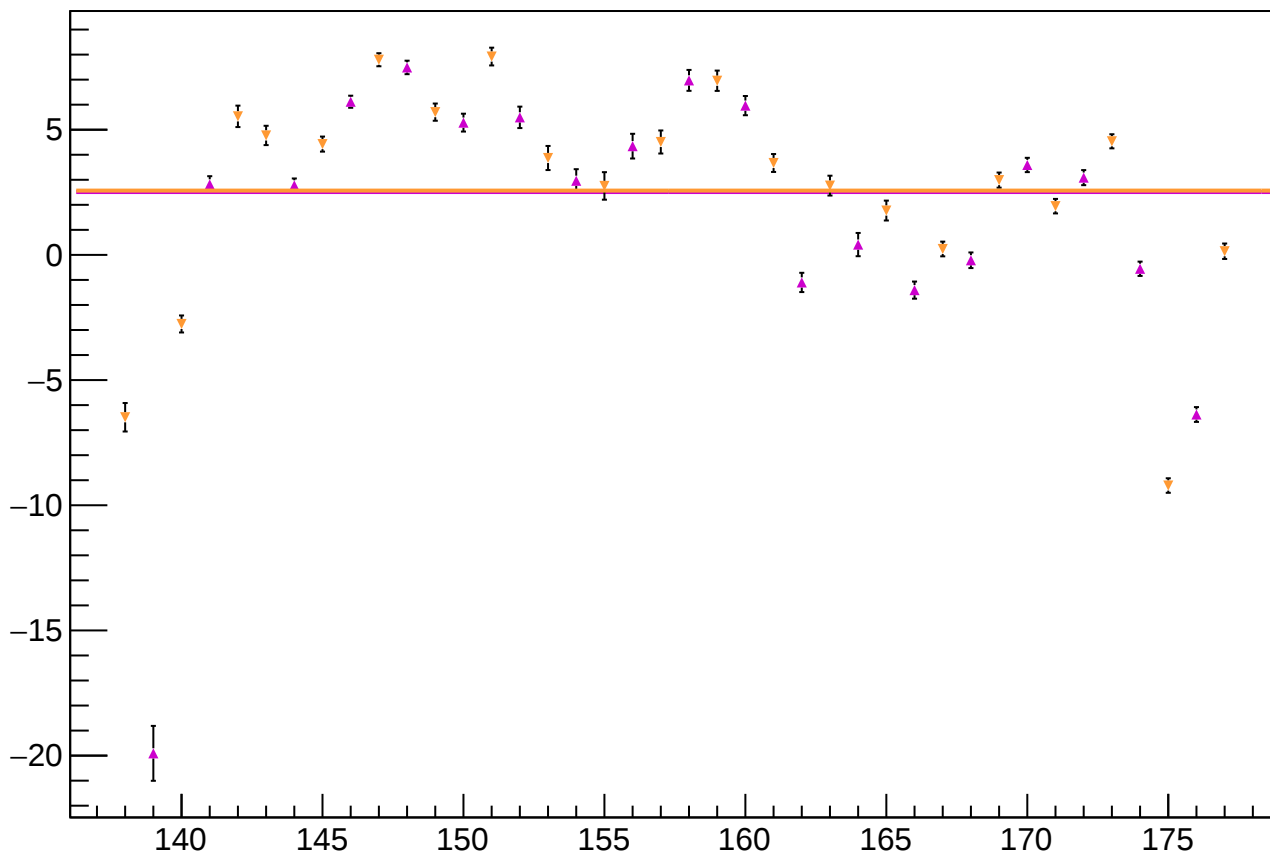
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.164 $\pm$ 0.103 χ^2 /NDF:6017.8/18

Out: 13.643 $\pm$ 0.101 χ^2 /NDF:7667.2/20

All: 13.408 $\pm$ 0.072 χ^2 /NDF: 13696.0/39

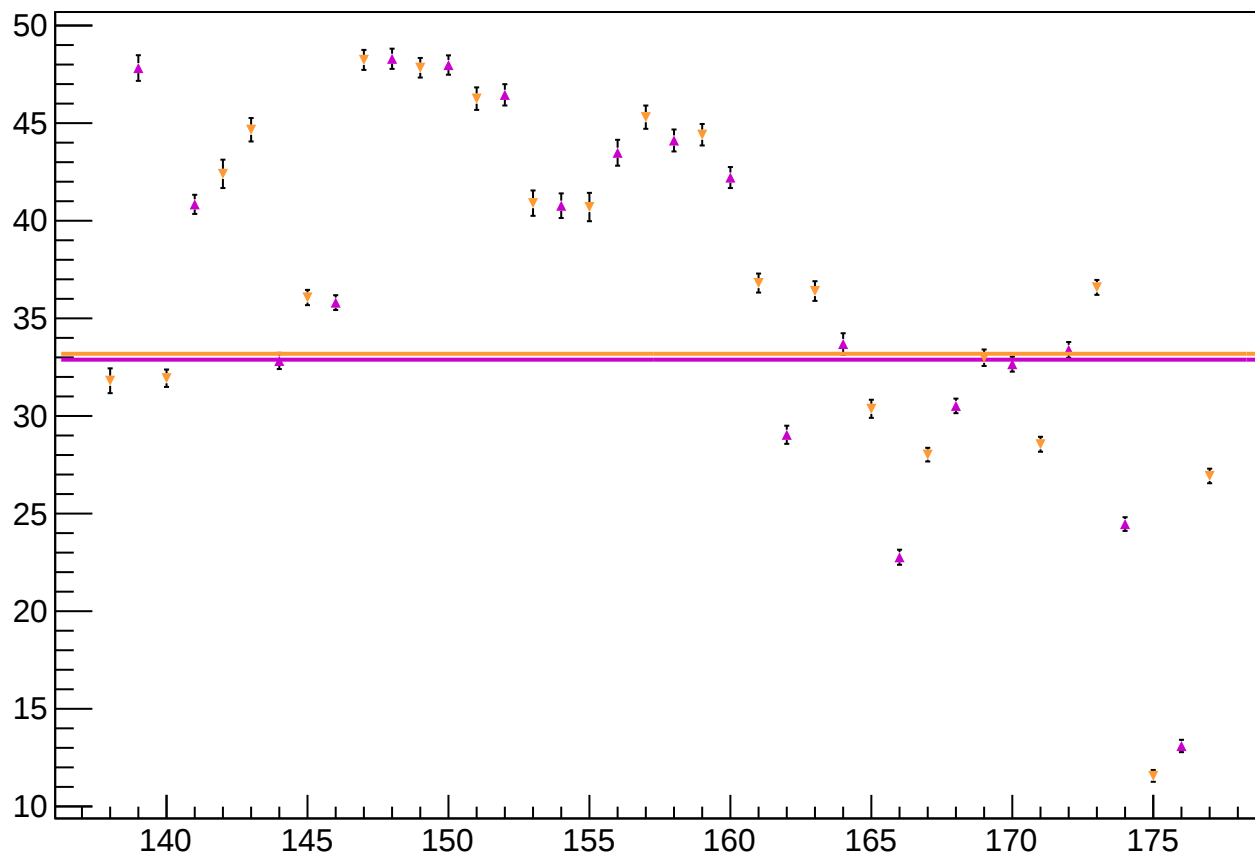
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.568+/-0.076 χ^2/NDF :3311.4/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.510+/-0.078 χ^2/NDF :2652.7/18

Left: 2.540+/-0.054 χ^2/NDF : 5964.3/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.510+/-0.078 χ^2/NDF :2652.7/18
 Out: 2.568+/-0.076 χ^2/NDF :3311.4/20
 All: 2.540+/-0.054 χ^2/NDF : 5964.3/39

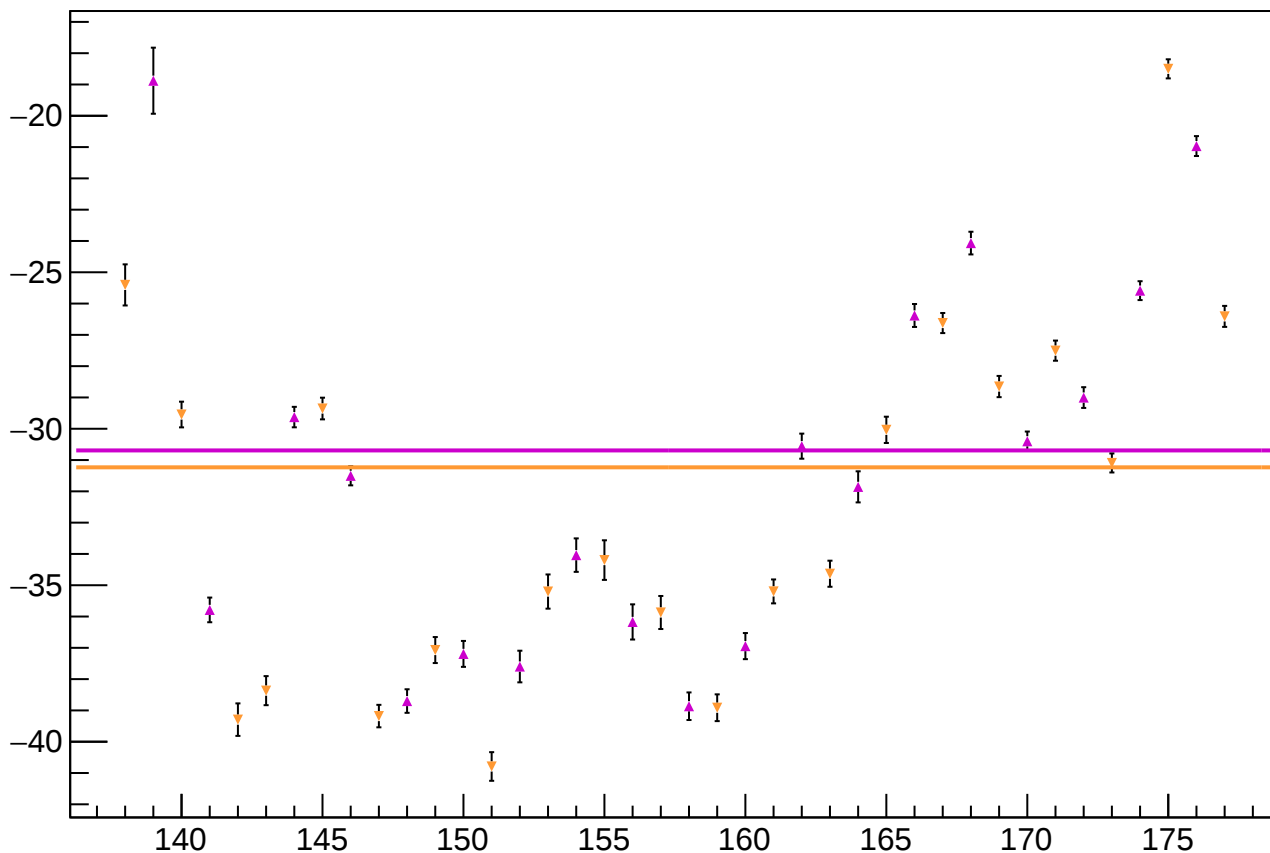
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 33.186 $\pm$ 0.101 χ^2 /NDF:9831.5/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 32.884 $\pm$ 0.103 χ^2 /NDF:9648.4/18

Left: 33.038 $\pm$ 0.072 χ^2 /NDF: 19484.3/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 32.884 $\pm$ 0.103 χ^2 /NDF:9648.4/18
 Out: 33.186 $\pm$ 0.101 χ^2 /NDF:9831.5/20
 All: 33.038 $\pm$ 0.072 χ^2 /NDF: 19484.3/39

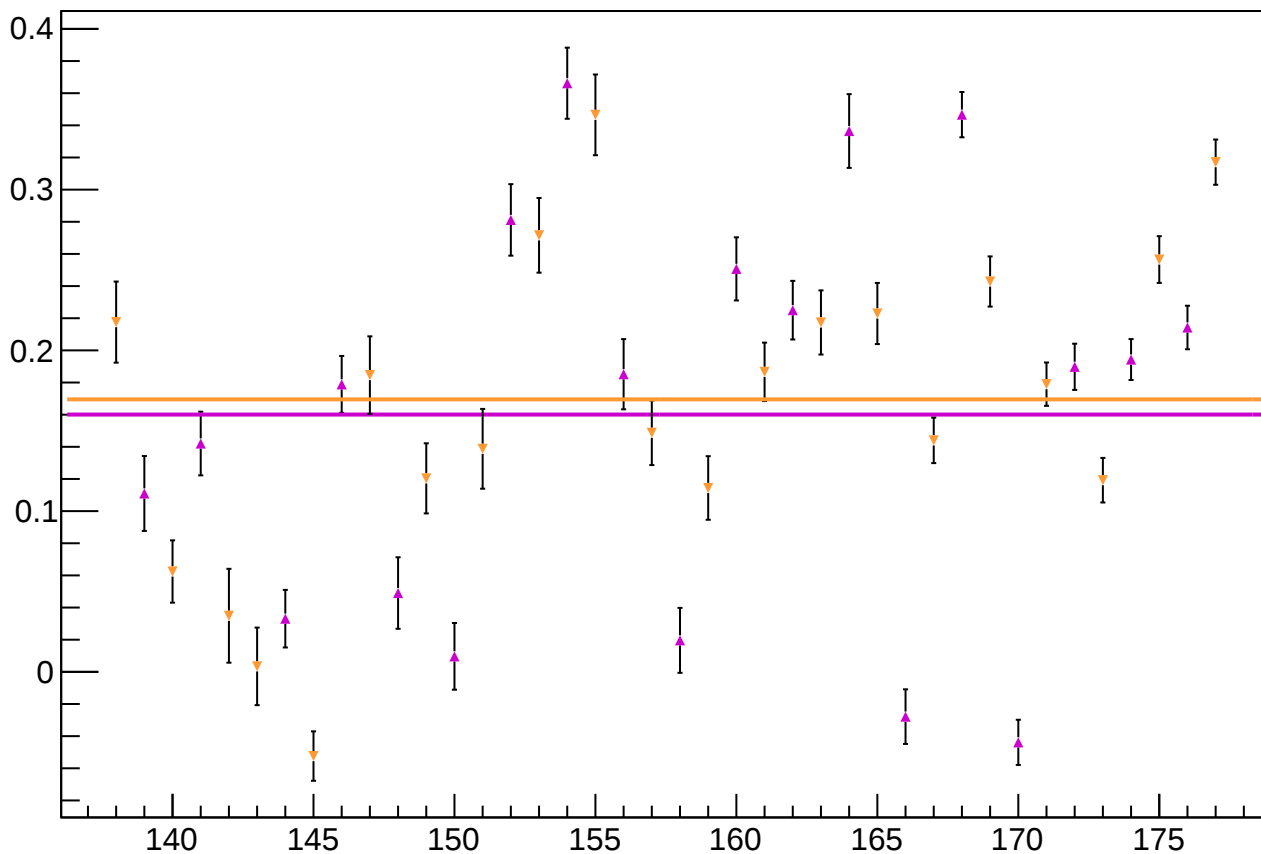
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -31.233+/-0.086 χ^2/NDF :4728.8/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -30.693+/-0.089 χ^2/NDF :3625.3/18

Left: -30.970+/-0.062 χ^2/NDF : 8373.2/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -30.693+/-0.089 χ^2/NDF :3625.3/18
 Out: -31.233+/-0.086 χ^2/NDF :4728.8/20
 All: -30.970+/-0.062 χ^2/NDF : 8373.2/39

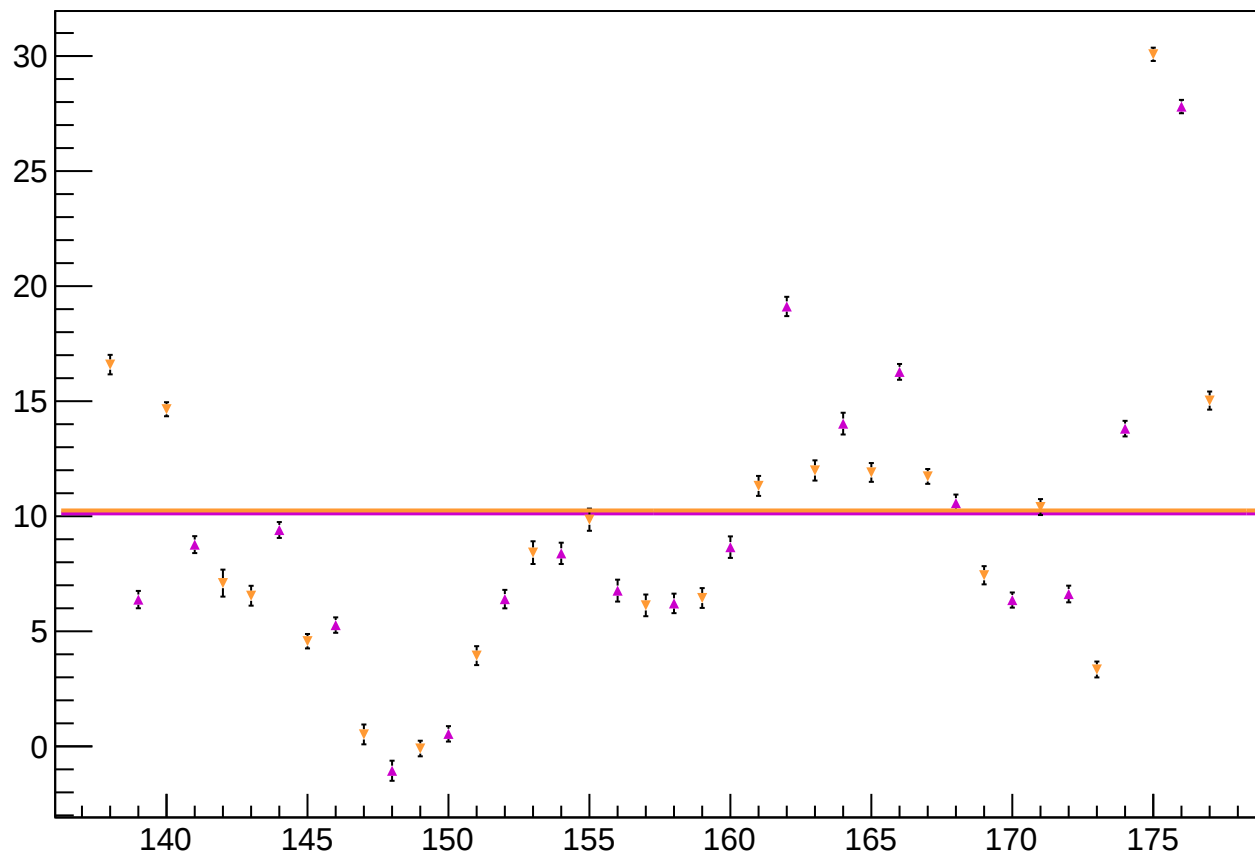
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.170 $\pm$ 0.004 χ^2 /NDF:595.0/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.160 $\pm$ 0.004 χ^2 /NDF:929.0/18

Left: 0.165 $\pm$ 0.003 χ^2 /NDF: 1526.8/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.160 $\pm$ 0.004 χ^2 /NDF:929.0/18
 Out: 0.170 $\pm$ 0.004 χ^2 /NDF:595.0/20
 All: 0.165 $\pm$ 0.003 χ^2 /NDF: 1526.8/39

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 10.251 $\pm$ 0.084 χ^2 /NDF:8069.9/20

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

Left In: 10.125 $\pm$ 0.086 χ^2 /NDF:6943.3/18

Left: 10.189 $\pm$ 0.060 χ^2 /NDF: 15014.2/39

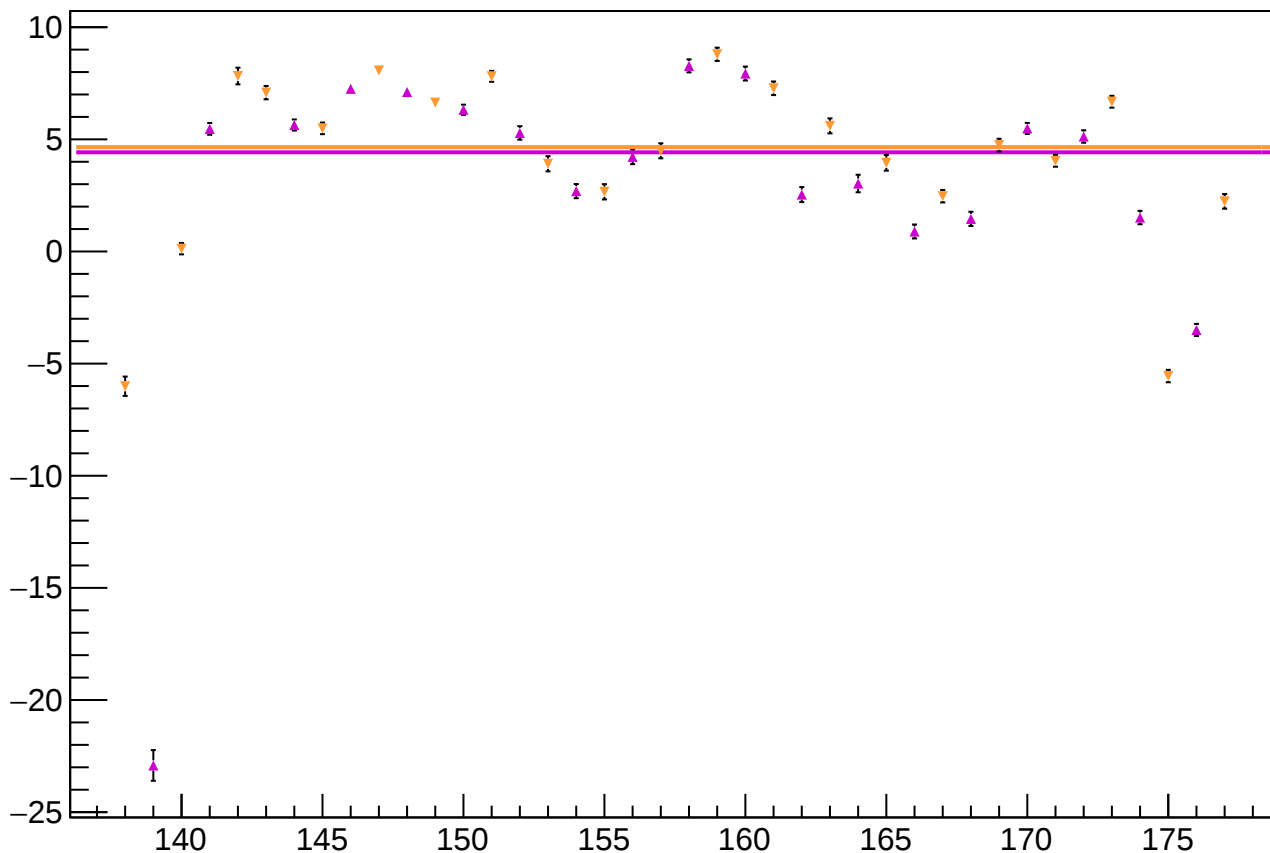
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 10.125 $\pm$ 0.086 χ^2 /NDF:6943.3/18

Out: 10.251 $\pm$ 0.084 χ^2 /NDF:8069.9/20

All: 10.189 $\pm$ 0.060 χ^2 /NDF: 15014.2/39

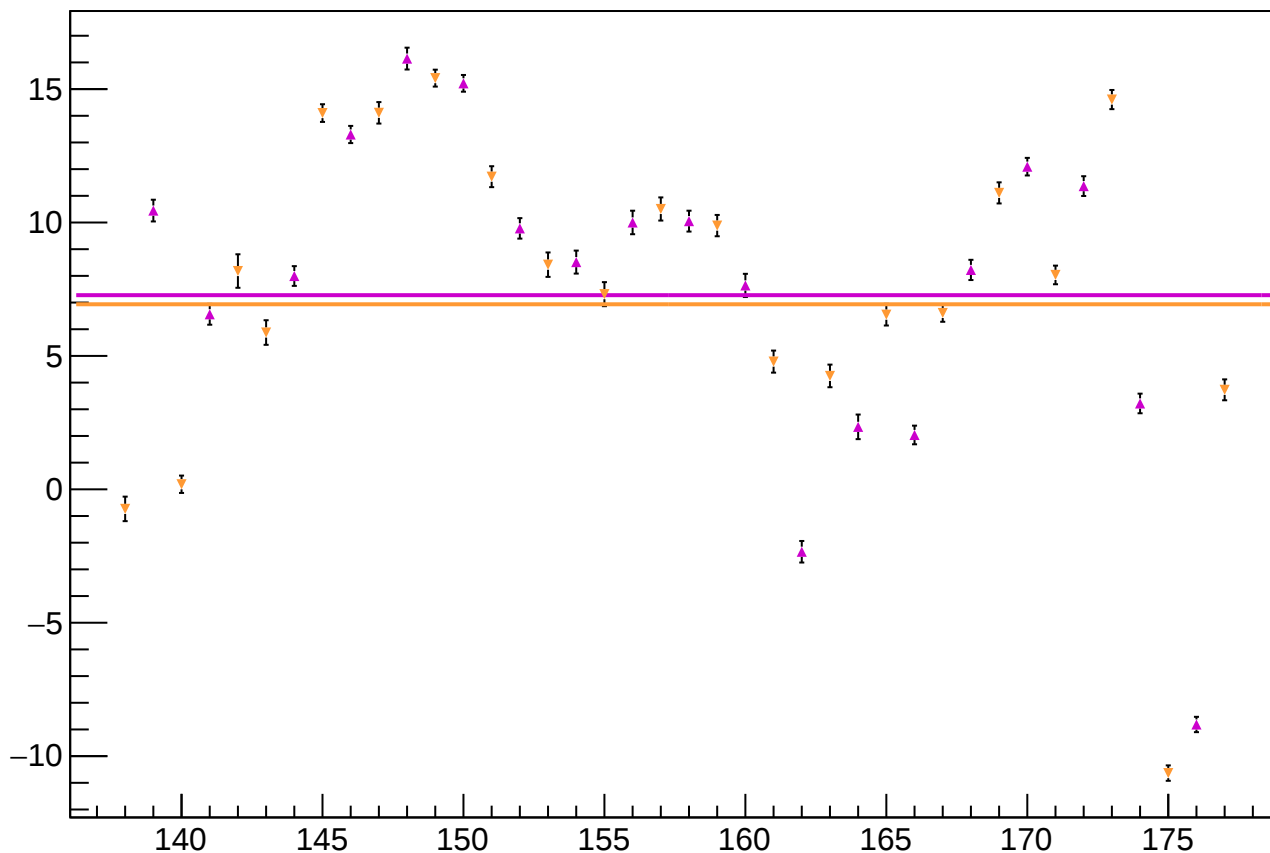
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.654 $\pm$ 0.062 χ^2 /NDF:3455.5/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.422 $\pm$ 0.065 χ^2 /NDF:3610.4/18

Left: 4.542 $\pm$ 0.045 χ^2 /NDF: 7072.5/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.422 $\pm$ 0.065 χ^2 /NDF:3610.4/18
 Out: 4.654 $\pm$ 0.062 χ^2 /NDF:3455.5/20
 All: 4.542 $\pm$ 0.045 χ^2 /NDF: 7072.5/39

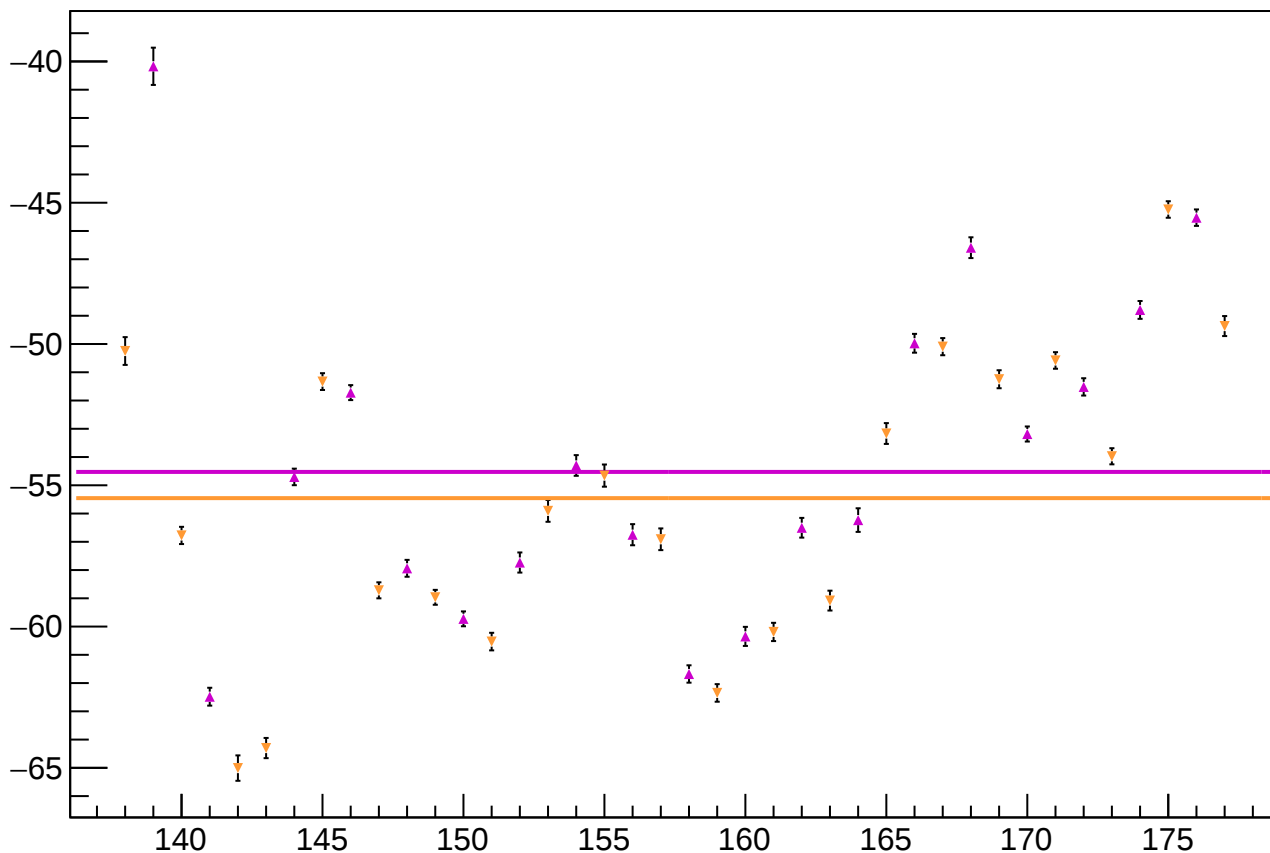
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.936 $\pm$ 0.084 χ^2 /NDF:6913.7/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 7.277 $\pm$ 0.086 χ^2 /NDF:6171.5/18

Left: 7.103 $\pm$ 0.060 χ^2 /NDF: 13093.2/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 7.277 $\pm$ 0.086 χ^2 /NDF:6171.5/18
 Out: 6.936 $\pm$ 0.084 χ^2 /NDF:6913.7/20
 All: 7.103 $\pm$ 0.060 χ^2 /NDF: 13093.2/39

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -55.455+/-0.071 χ^2/NDF : 5140.1/20

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

Left In: -54.527+/-0.074 χ^2/NDF : 4805.1/18

Left: -55.007+/-0.051 χ^2/NDF : 10026.6/39

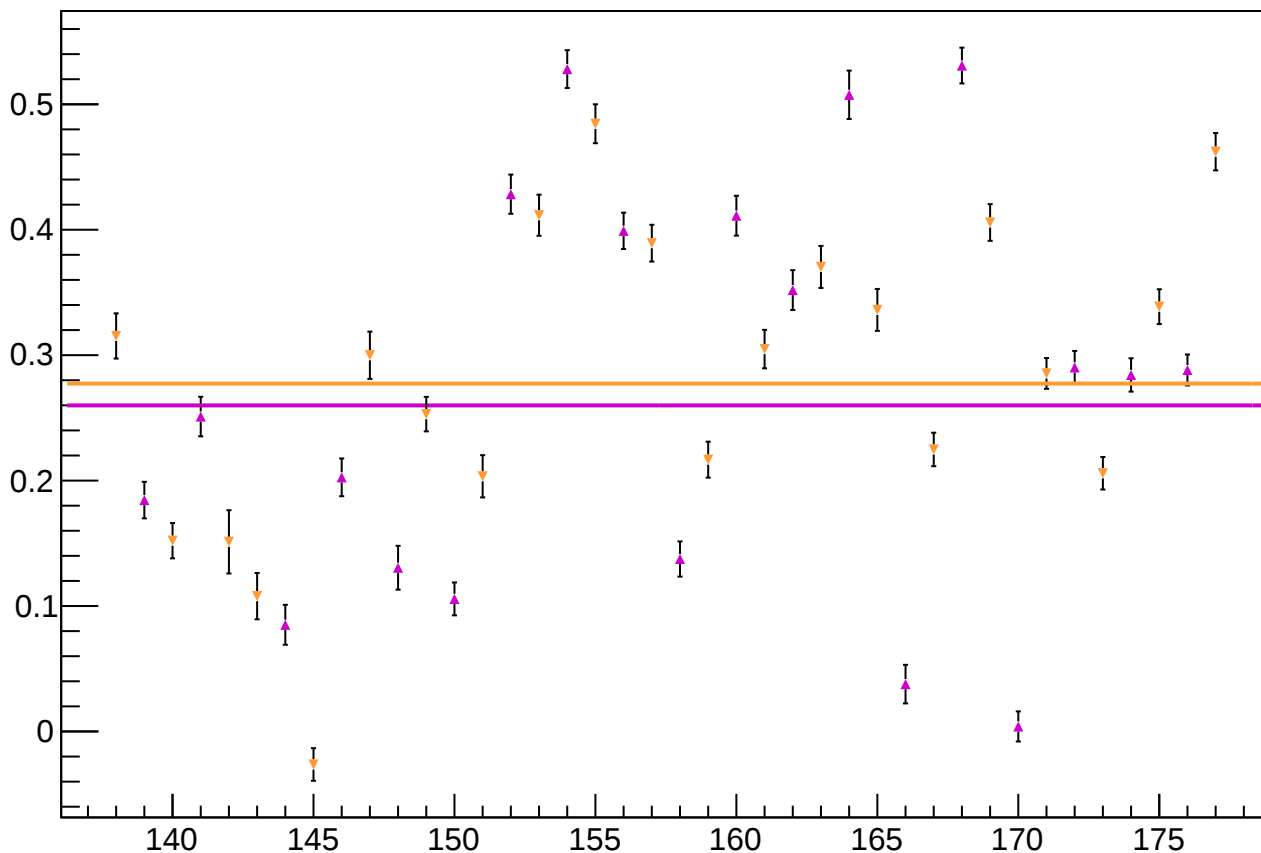
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -54.527+/-0.074 χ^2/NDF : 4805.1/18

Out: -55.455+/-0.071 χ^2/NDF : 5140.1/20

All: -55.007+/-0.051 χ^2/NDF : 10026.6/39

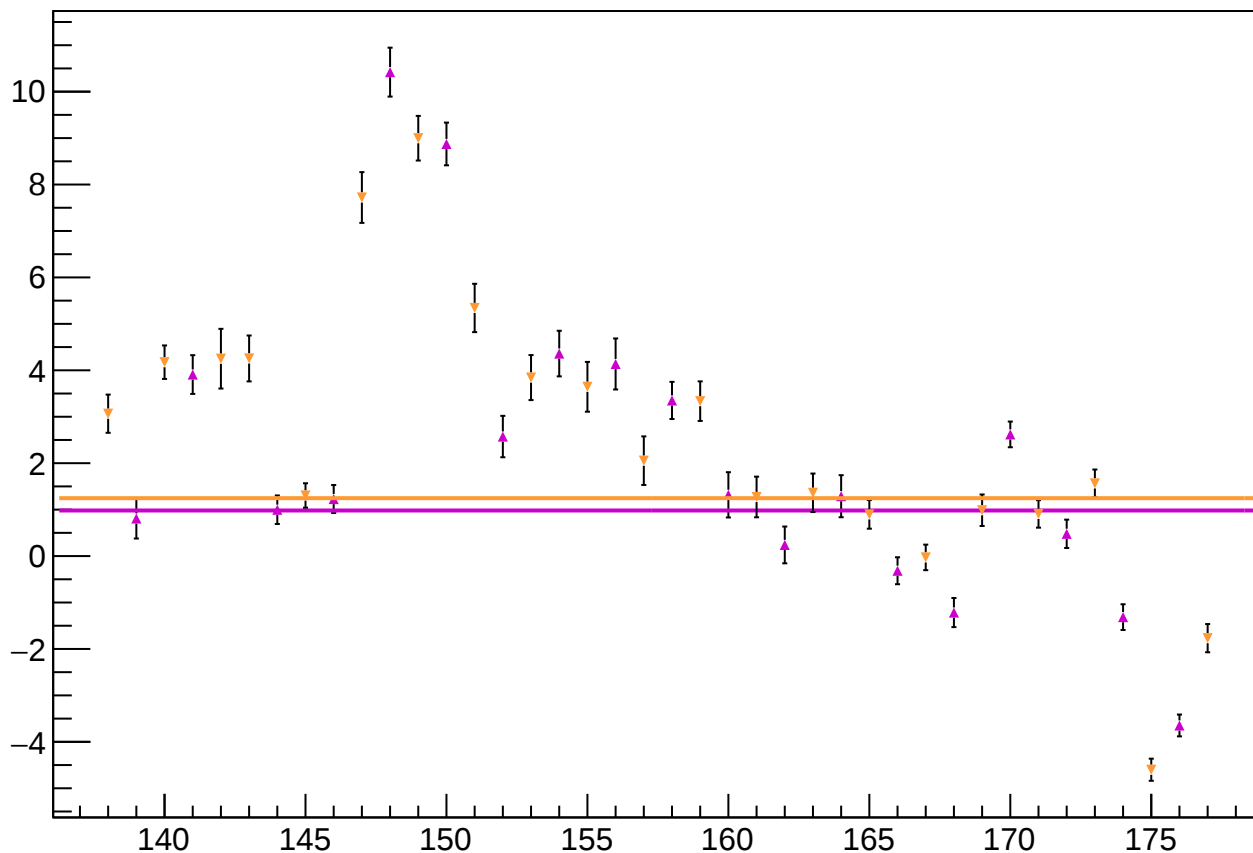
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.277+/-0.003 χ^2/NDF :1426.6/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.260+/-0.003 χ^2/NDF :2284.0/18

Left: 0.269+/-0.002 χ^2/NDF : 3724.3/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.260+/-0.003 χ^2/NDF :2284.0/18
 Out: 0.277+/-0.003 χ^2/NDF :1426.6/20
 All: 0.269+/-0.002 χ^2/NDF : 3724.3/39

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: 1.247+/-0.080 χ^2/NDF :1408.7/20

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

Left In: 0.982+/-0.081 χ^2/NDF :1362.2/18

Left: 1.116+/-0.057 χ^2/NDF : 2776.3/39

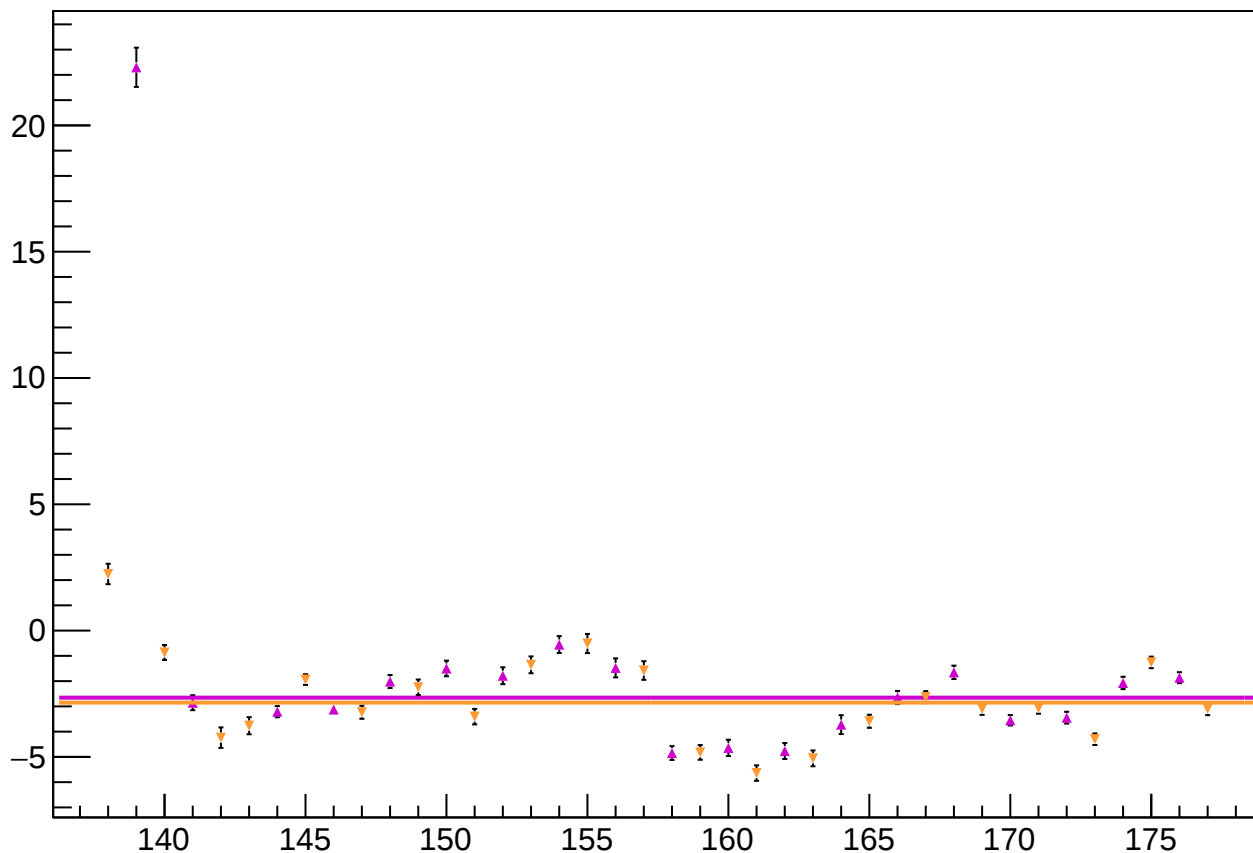
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.982+/-0.081 χ^2/NDF :1362.2/18

Out: 1.247+/-0.080 χ^2/NDF :1408.7/20

All: 1.116+/-0.057 χ^2/NDF : 2776.3/39

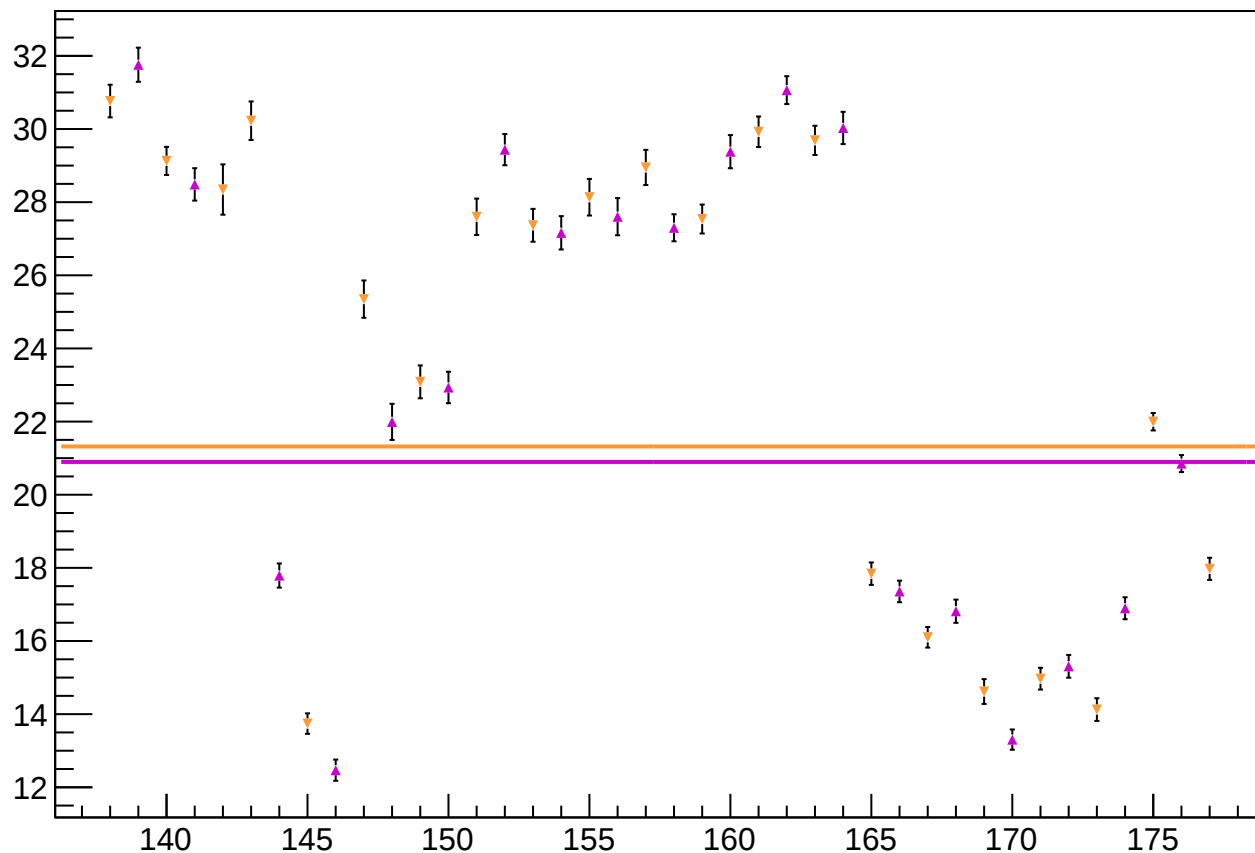
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.851+/-0.061 χ^2/NDF :599.8/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.654+/-0.062 χ^2/NDF :1337.9/18

Left: -2.755+/-0.043 χ^2/NDF : 1942.9/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.654+/-0.062 χ^2/NDF :1337.9/18
 Out: -2.851+/-0.061 χ^2/NDF :599.8/20
 All: -2.755+/-0.043 χ^2/NDF : 1942.9/39

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 21.320+/-0.080 χ^2/NDF :5930.2/20

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

Left In: 20.897+/-0.081 χ^2/NDF :5908.9/18

Left: 21.111+/-0.057 χ^2/NDF : 11853.0/39

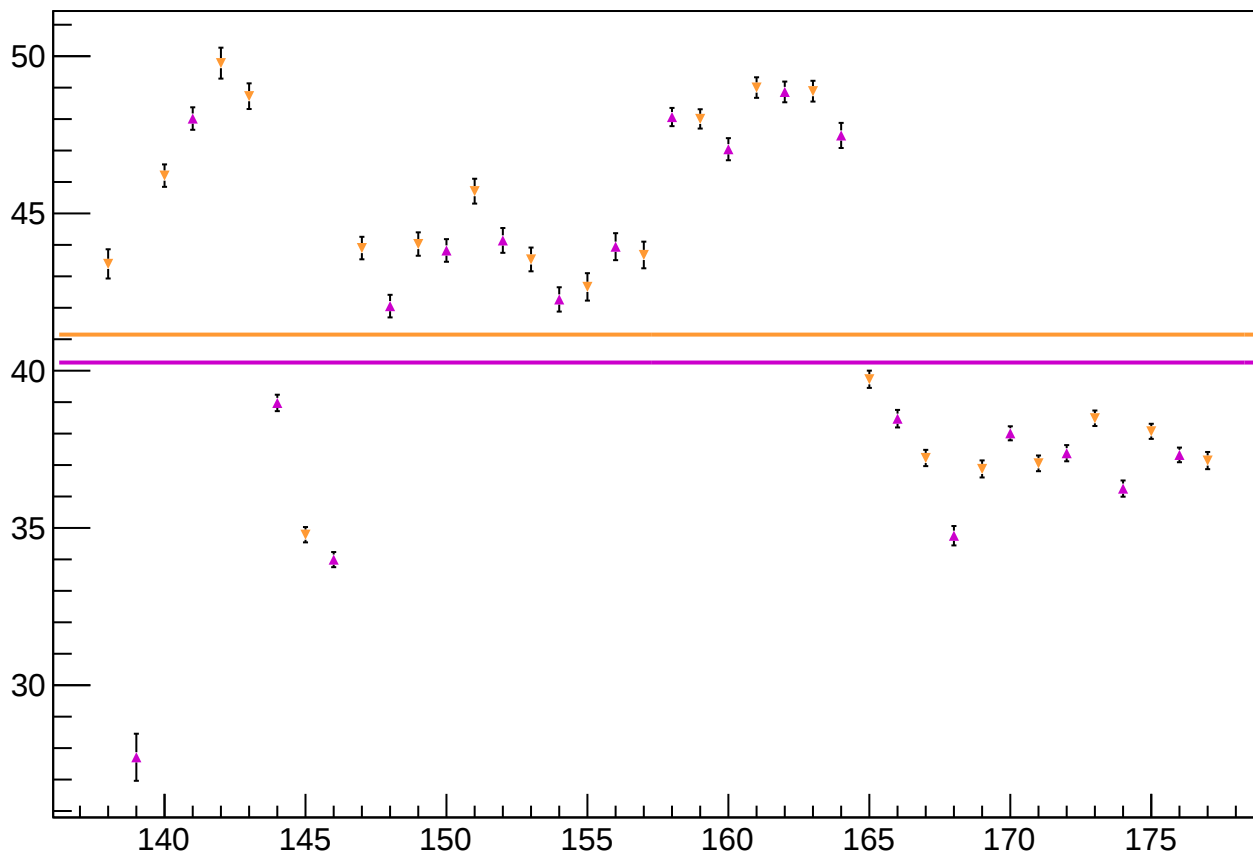
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 20.897+/-0.081 χ^2/NDF :5908.9/18

Out: 21.320+/-0.080 χ^2/NDF :5930.2/20

All: 21.111+/-0.057 χ^2/NDF : 11853.0/39

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 41.148+/-0.069 χ^2/NDF :4792.1/20

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

Left In: 40.260+/-0.070 χ^2/NDF :4871.6/18

Left: 40.714+/-0.049 χ^2/NDF : 9745.7/39

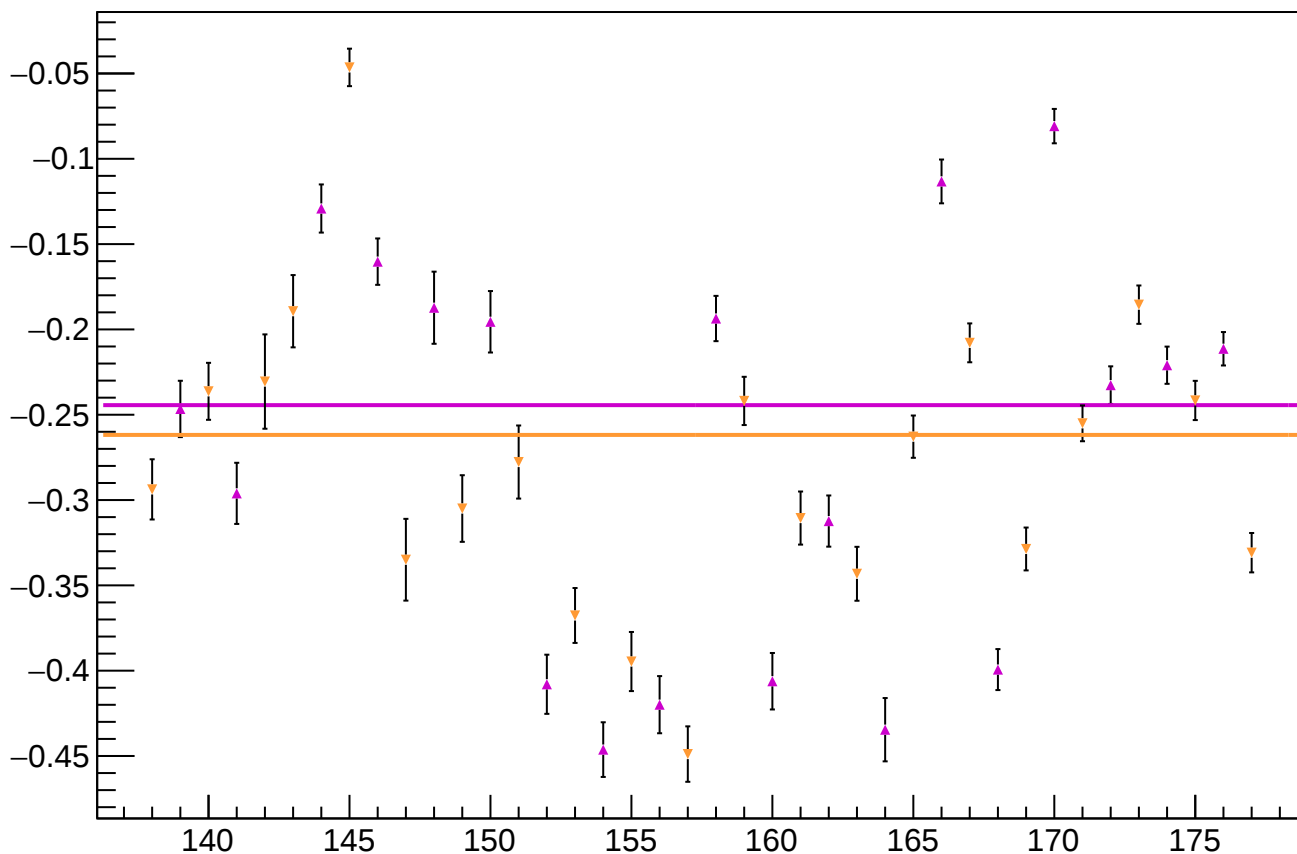
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 40.260+/-0.070 χ^2/NDF :4871.6/18

Out: 41.148+/-0.069 χ^2/NDF :4792.1/20

All: 40.714+/-0.049 χ^2/NDF : 9745.7/39

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.262 $\pm$ 0.003 χ^2 /NDF:826.9/20

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

Left In: -0.244 $\pm$ 0.003 χ^2 /NDF:1272.6/18

Left: -0.253 $\pm$ 0.002 χ^2 /NDF: 2114.9/39

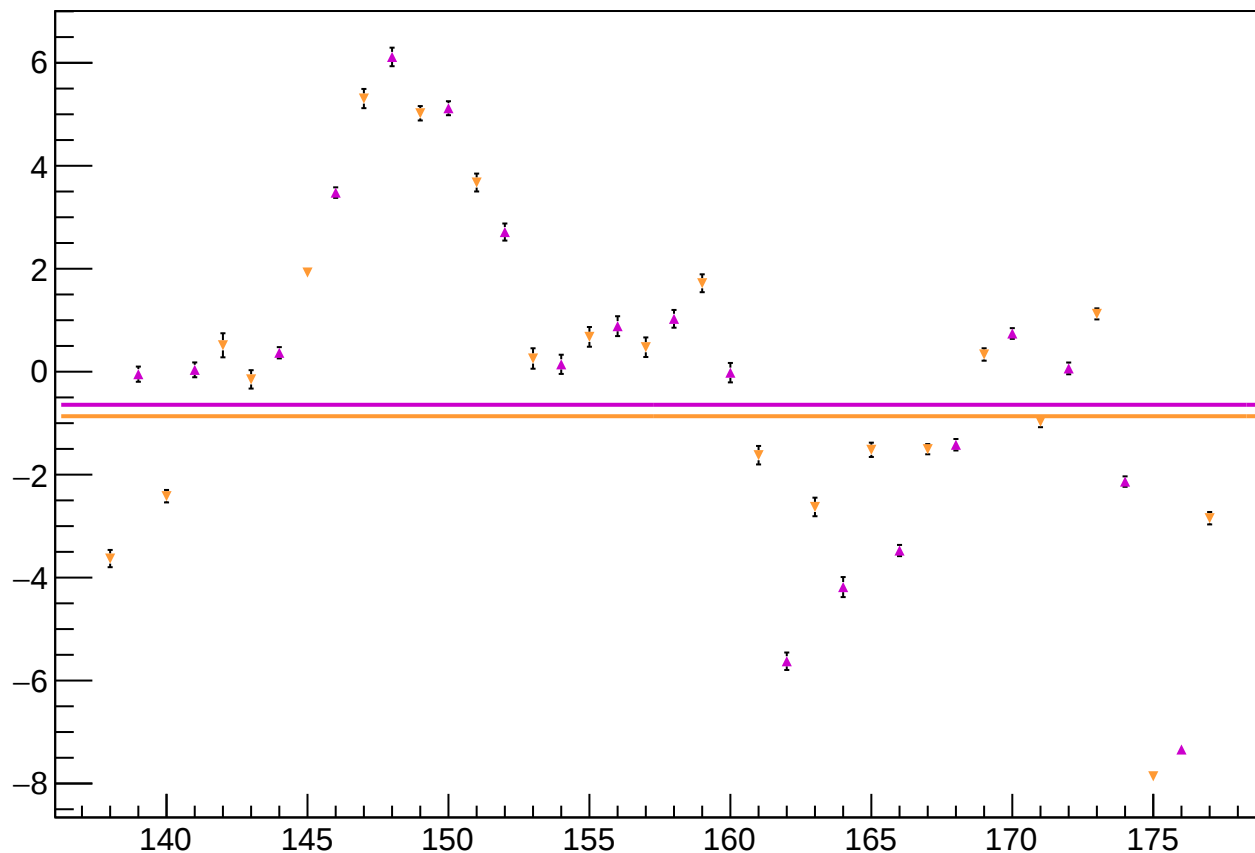
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.244 $\pm$ 0.003 χ^2 /NDF:1272.6/18

Out: -0.262 $\pm$ 0.003 χ^2 /NDF:826.9/20

All: -0.253 $\pm$ 0.002 χ^2 /NDF: 2114.9/39

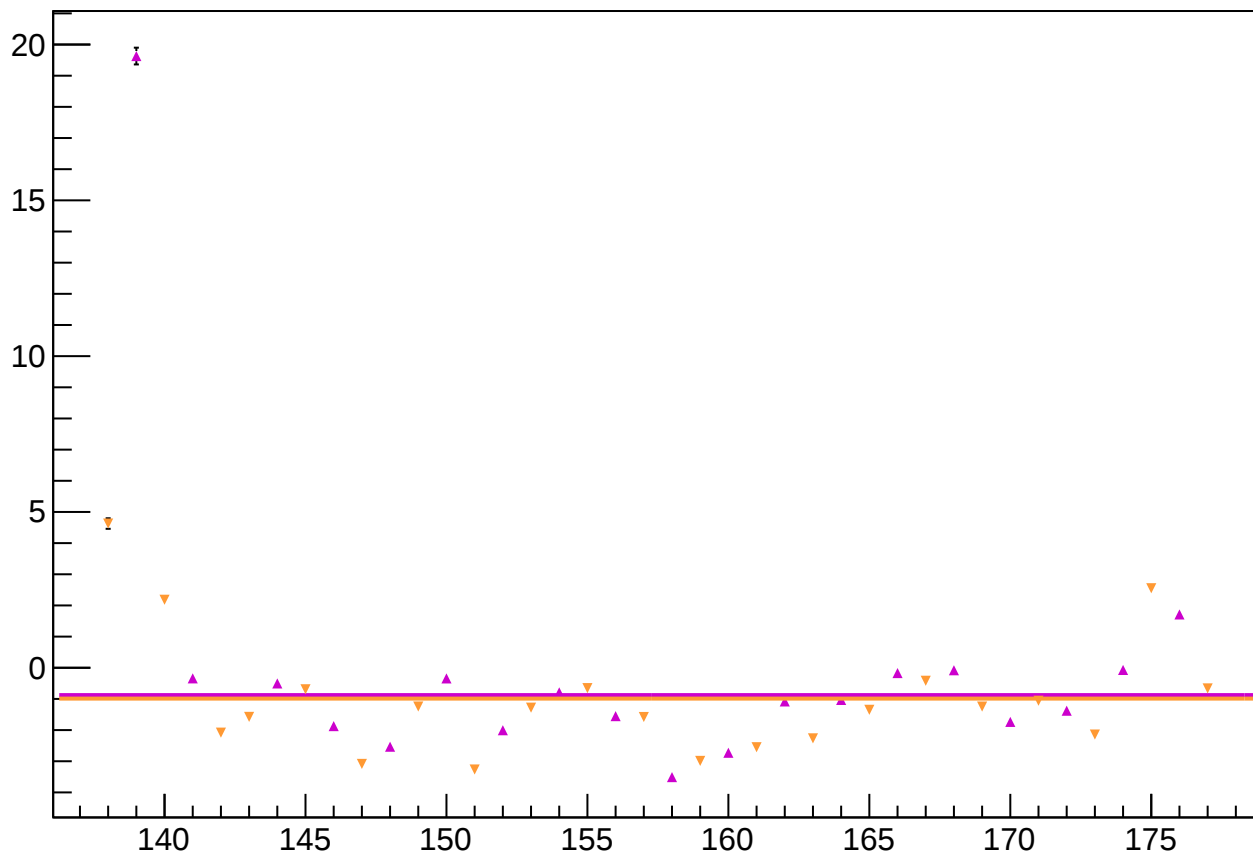
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.865+/-0.030 χ^2/NDF :12555.3/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.643+/-0.030 χ^2/NDF :13167.2/18

Left: -0.755+/-0.021 χ^2/NDF : 25750.5/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.643+/-0.030 χ^2/NDF :13167.2/18
 Out: -0.865+/-0.030 χ^2/NDF :12555.3/20
 All: -0.755+/-0.021 χ^2/NDF : 25750.5/39

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



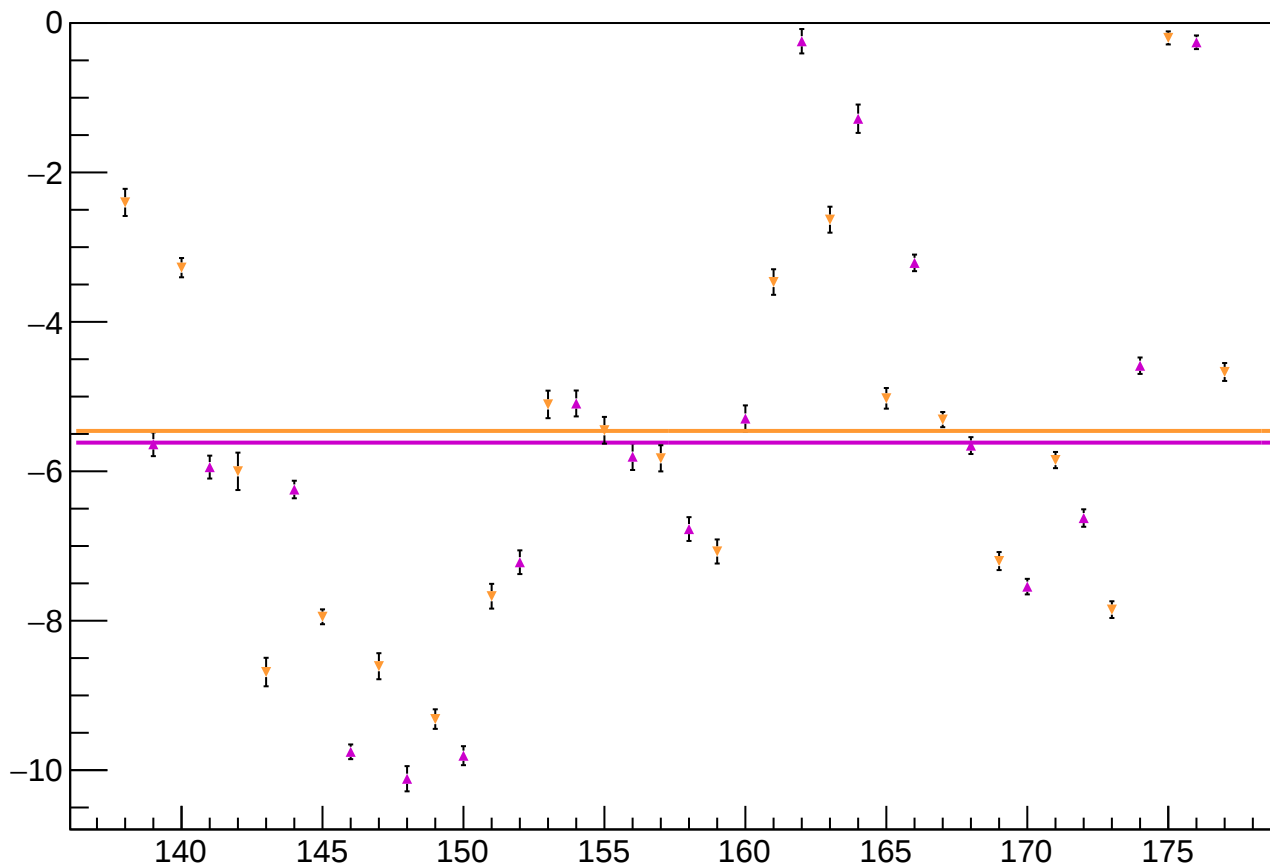
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.989 $\pm$ 0.022 χ^2 /NDF:5842.0/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.877 $\pm$ 0.023 χ^2 /NDF:8549.4/18

Left: -0.934 $\pm$ 0.016 χ^2 /NDF: 14403.7/39
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.877 $\pm$ 0.023 χ^2 /NDF:8549.4/18
 Out: -0.989 $\pm$ 0.022 χ^2 /NDF:5842.0/20

All: -0.934 $\pm$ 0.016 χ^2 /NDF: 14403.7/39

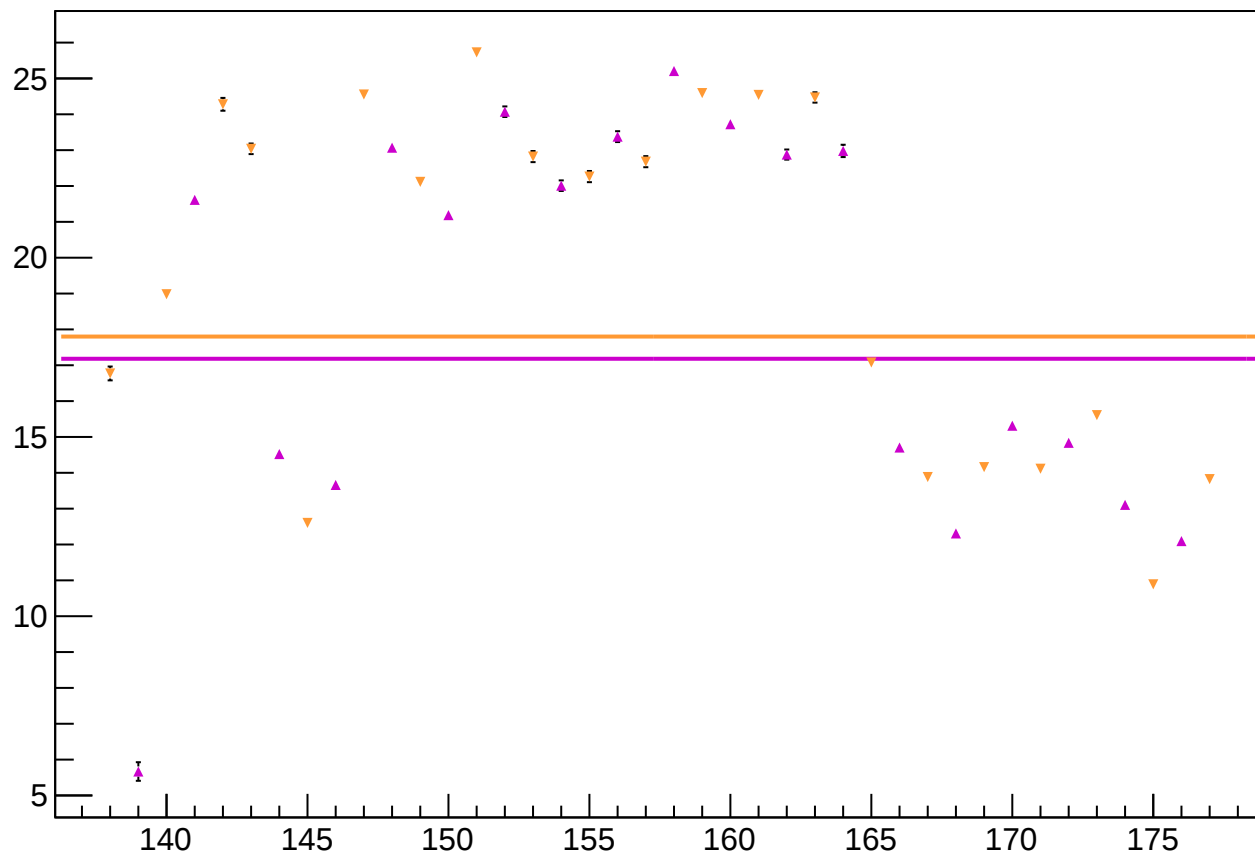
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.460+/-0.030 χ^2/NDF : 7710.8/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.616+/-0.030 χ^2/NDF : 9789.8/18

Left: -5.537+/-0.021 χ^2/NDF : 17514.5/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -5.616+/-0.030 χ^2/NDF : 9789.8/18
 Out: -5.460+/-0.030 χ^2/NDF : 7710.8/20
 All: -5.537+/-0.021 χ^2/NDF : 17514.5/39

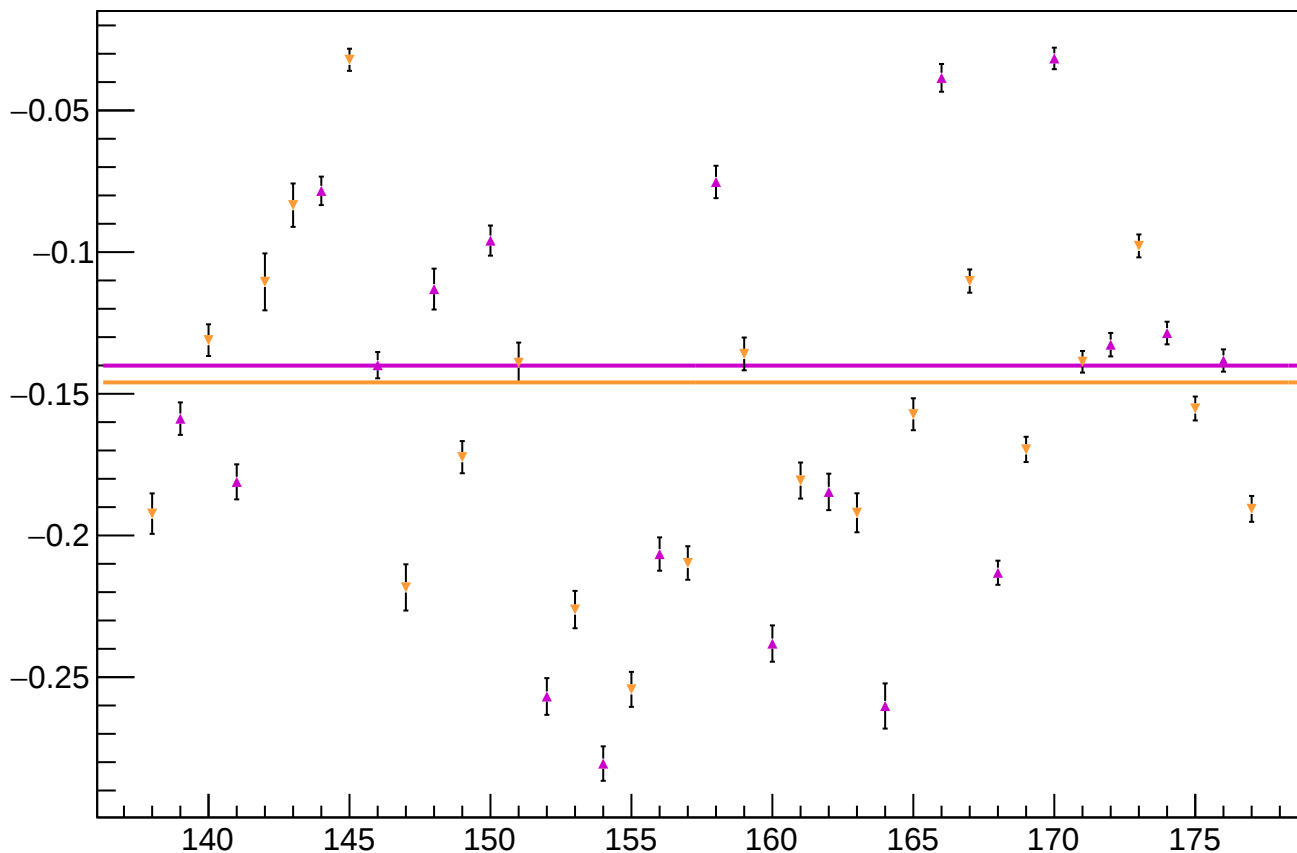
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 17.800+/-0.025 χ^2/NDF :37786.5/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 17.181+/-0.026 χ^2/NDF :32196.8/18

Left: 17.497+/-0.018 χ^2/NDF : 70274.0/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 17.181+/-0.026 χ^2/NDF :32196.8/18
 Out: 17.800+/-0.025 χ^2/NDF :37786.5/20
 All: 17.497+/-0.018 χ^2/NDF : 70274.0/39

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.146+/-0.001 χ^2/NDF : 2081.6/20

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

Left In: -0.140+/-0.001 χ^2/NDF : 3465.3/18

Left: -0.143+/-0.001 χ^2/NDF : 5559.7/39

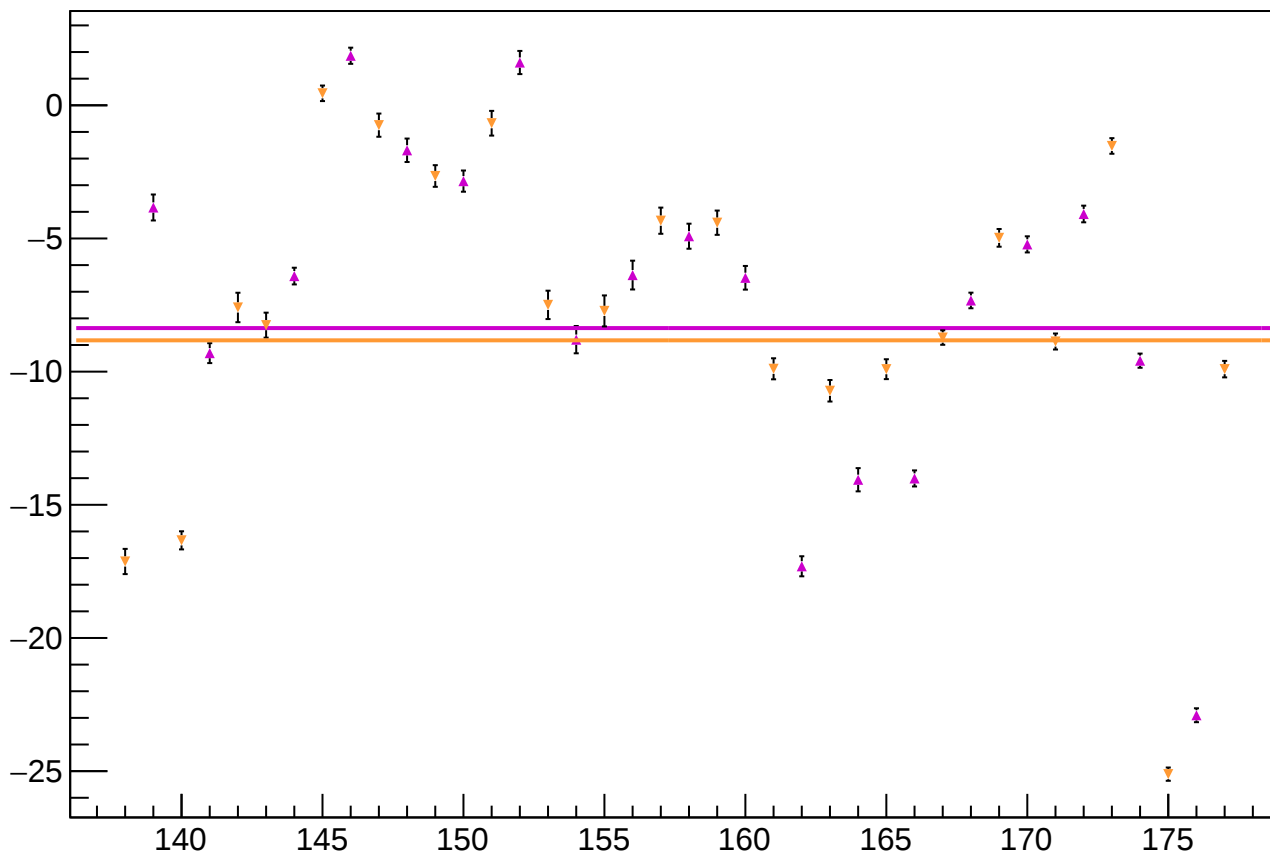
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.140+/-0.001 χ^2/NDF : 3465.3/18

Out: -0.146+/-0.001 χ^2/NDF : 2081.6/20

All: -0.143+/-0.001 χ^2/NDF : 5559.7/39

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



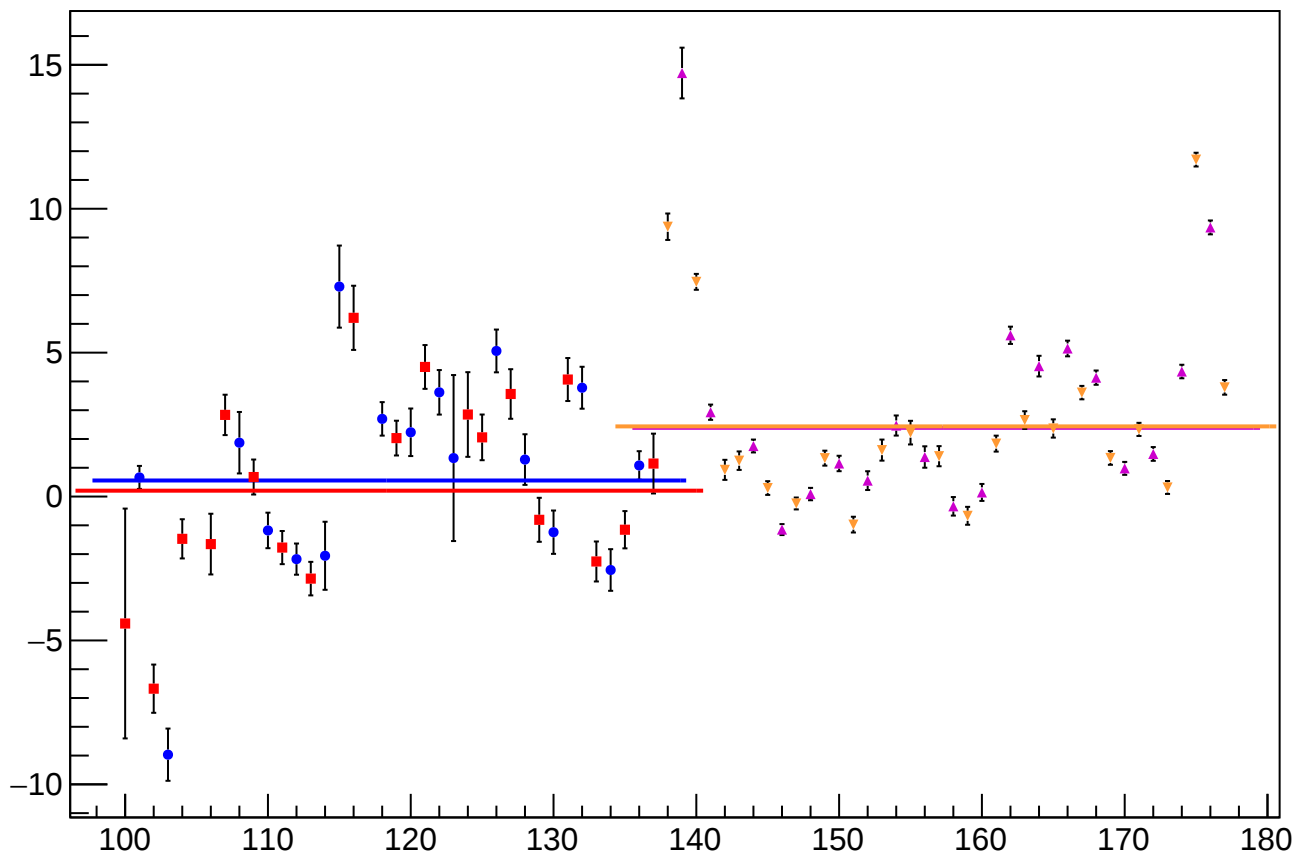
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.825+/-0.080 χ^2/NDF : 7955.6/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.365+/-0.081 χ^2/NDF : 6814.2/18

Left: -8.598+/-0.057 χ^2/NDF : 14786.1/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.365+/-0.081 χ^2/NDF : 6814.2/18
 Out: -8.825+/-0.080 χ^2/NDF : 7955.6/20

All: -8.598+/-0.057 χ^2/NDF : 14786.1/39

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 $\pm$ 0.170 χ^2 /NDF: 287.9/16

Left Out: 2.438 $\pm$ 0.060 χ^2 /NDF:2797.3/20

Right Out: 0.204 $\pm$ 0.175 χ^2 /NDF: 272.1/18

Left In: 2.388 $\pm$ 0.061 χ^2 /NDF:2111.8/18

Left: 2.413 $\pm$ 0.043 χ^2 /NDF: 4909.5/39

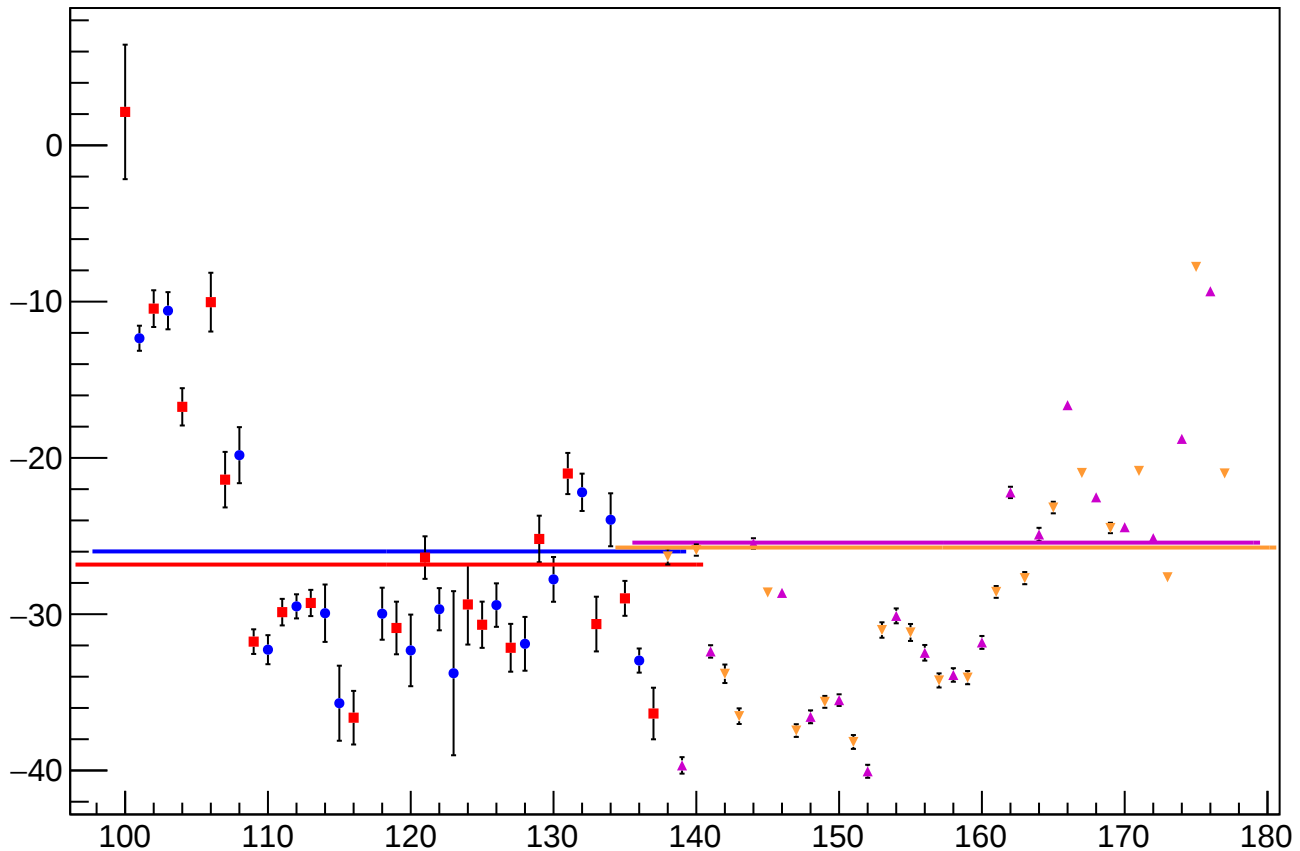
Right: 0.386 $\pm$ 0.122 χ^2 /NDF: 562.1/35

In: 2.177 $\pm$ 0.058 χ^2 /NDF:2502.1/35

Out: 2.202 $\pm$ 0.057 χ^2 /NDF:3215.8/39

All: 2.190 $\pm$ 0.040 χ^2 /NDF: 5718.0/75

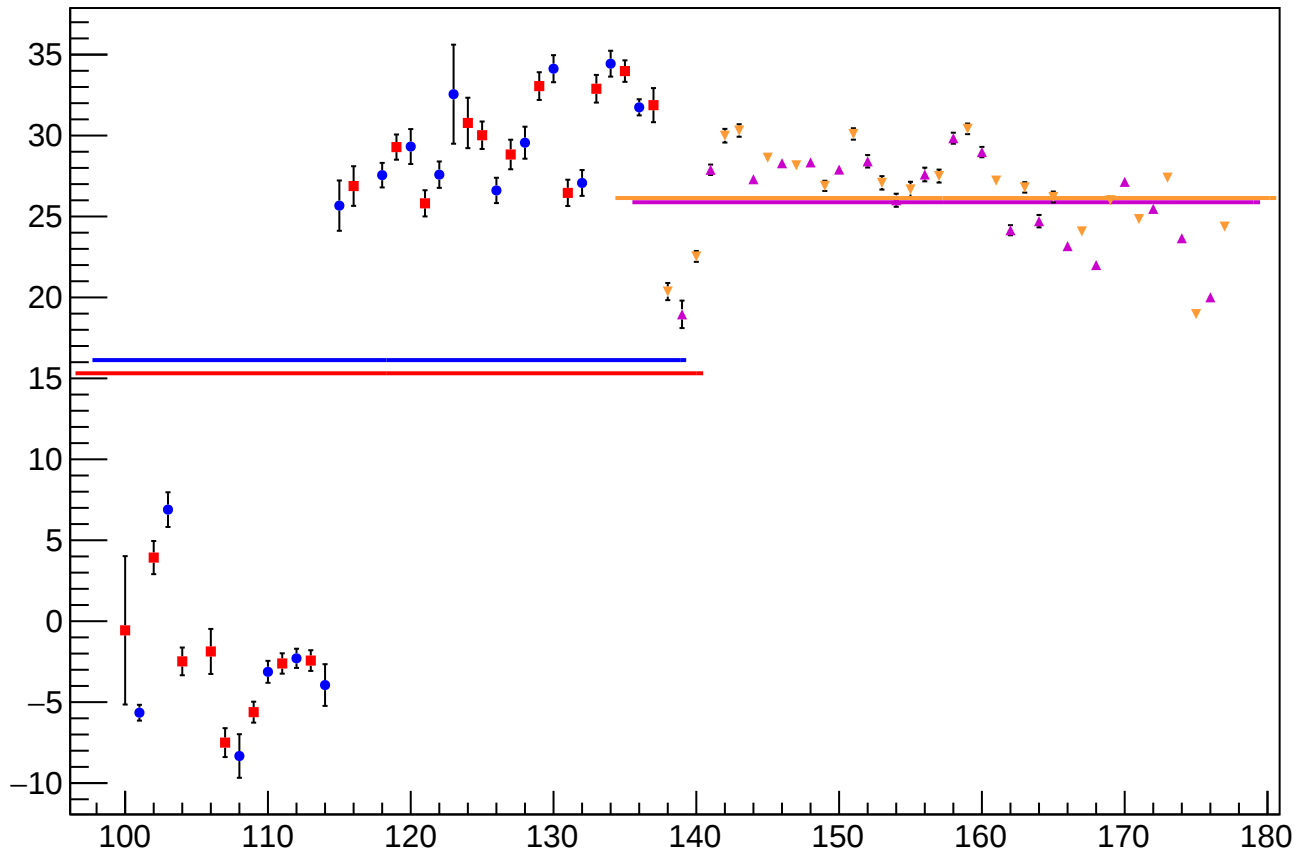
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16
 Left Out: -25.736 ± 0.080 χ^2/NDF : 10133.1/20
 Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18
 Left In: -25.421 ± 0.081 χ^2/NDF : 10174.2/18

Left: -25.580 ± 0.057 χ^2/NDF : 20314.9/39
 Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35
 In: -25.459 ± 0.078 χ^2/NDF : 10869.0/35
 Out: -25.809 ± 0.077 χ^2/NDF : 10727.1/39
 All: -25.637 ± 0.055 χ^2/NDF : 21606.2/75

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 26.141 $\pm$ 0.068 χ^2 /NDF:1877.2/20

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

Left In: 25.880 $\pm$ 0.070 χ^2 /NDF:1563.0/18

Left: 26.014 $\pm$ 0.049 χ^2 /NDF: 3447.3/39

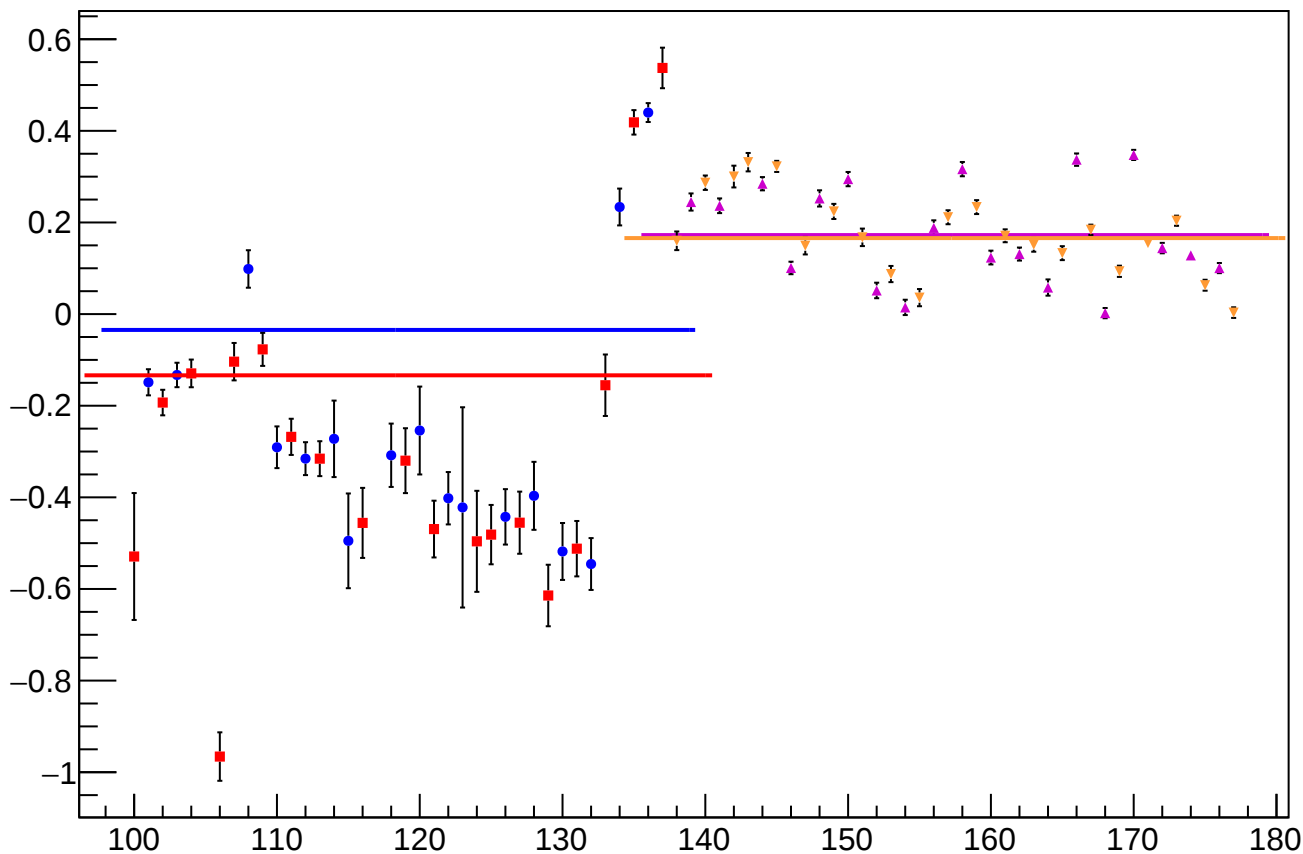
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 24.737 $\pm$ 0.066 χ^2 /NDF:11411.0/35

Out: 24.982 $\pm$ 0.064 χ^2 /NDF:11851.3/39

All: 24.862 $\pm$ 0.046 χ^2 /NDF: 23269.4/75

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.166 ± 0.003 χ^2/NDF : 760.7/20

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

Left In: 0.172 ± 0.003 χ^2/NDF : 1182.8/18

Left: 0.169 ± 0.002 χ^2/NDF : 1945.6/39

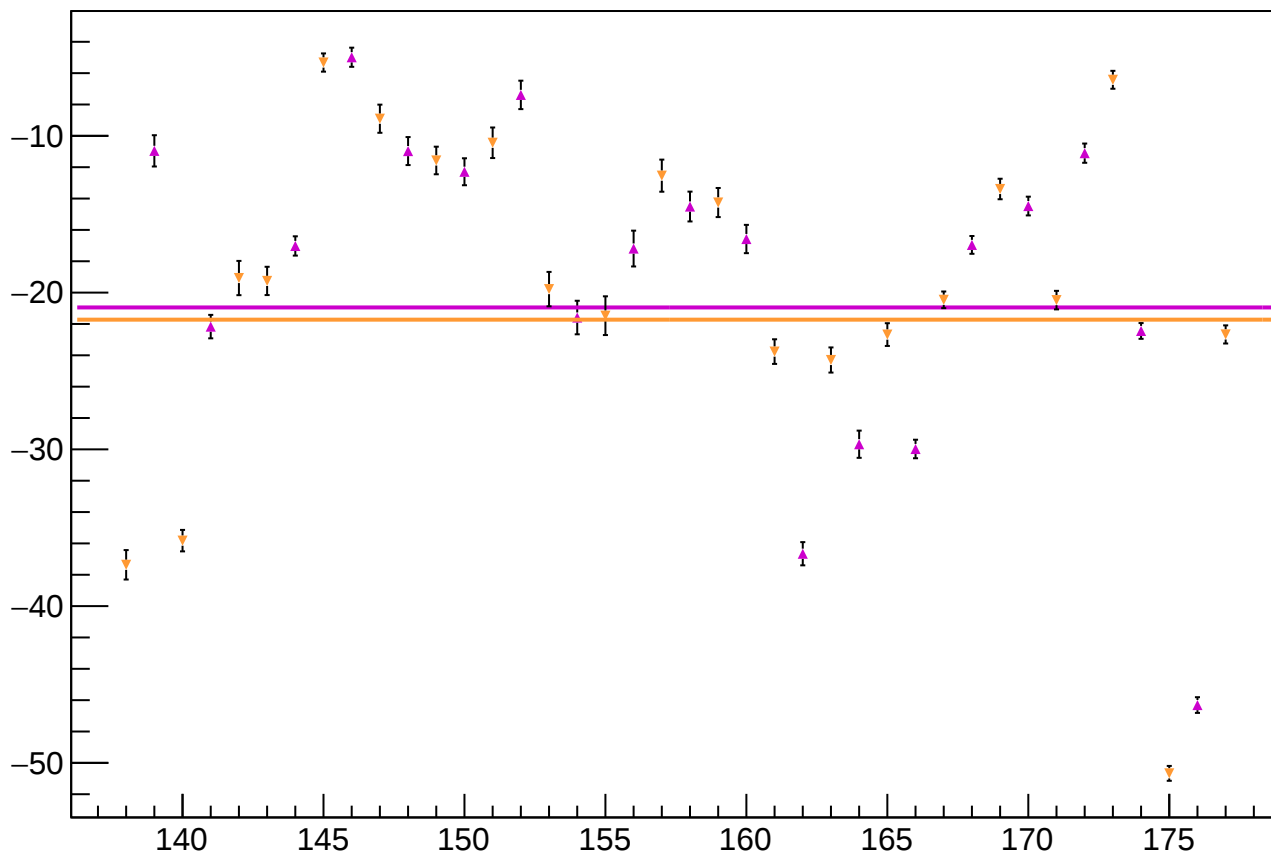
Right: -0.084 ± 0.007 χ^2/NDF : 2219.2/35

In: 0.154 ± 0.003 χ^2/NDF : 2560.9/35

Out: 0.141 ± 0.003 χ^2/NDF : 2685.9/39

All: 0.147 ± 0.002 χ^2/NDF : 5257.1/75

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -21.726+/-0.159 χ^2/NDF : 6760.6/20

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

Left In: -20.947+/-0.161 χ^2/NDF : 5138.6/18

Left: -21.343+/-0.113 χ^2/NDF : 11911.0/39

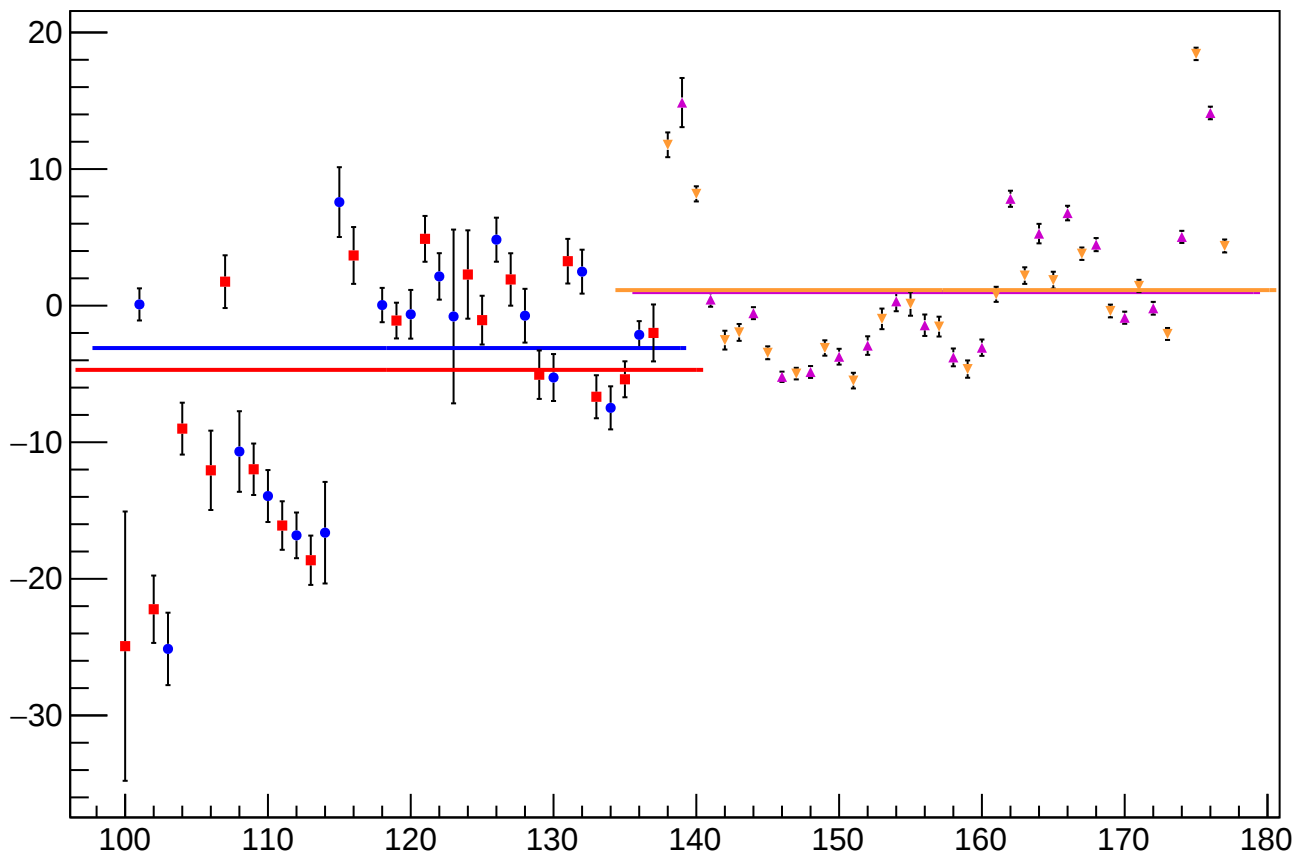
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -20.947+/-0.161 χ^2/NDF : 5138.6/18

Out: -21.726+/-0.159 χ^2/NDF : 6760.6/20

All: -21.343+/-0.113 χ^2/NDF : 11911.0/39

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: 1.138 ± 0.119 χ^2/NDF : 2543.3/20

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

Left In: 0.991 ± 0.122 χ^2/NDF : 1986.2/18

Left: 1.066 ± 0.085 χ^2/NDF : 4530.2/39

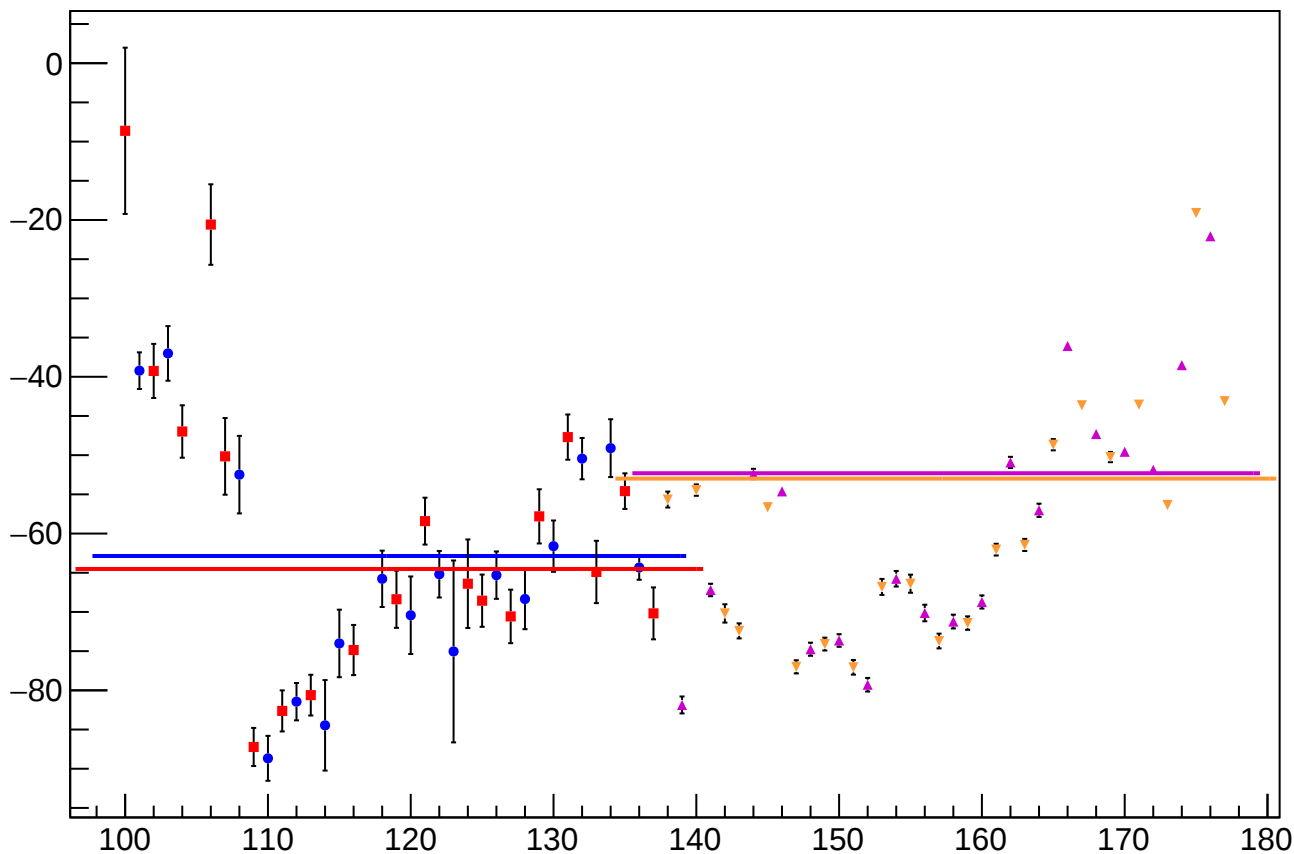
Right: -3.873 ± 0.296 χ^2/NDF : 584.0/35

In: 0.660 ± 0.117 χ^2/NDF : 2356.5/35

Out: 0.714 ± 0.115 χ^2/NDF : 3014.7/39

All: 0.687 ± 0.082 χ^2/NDF : 5371.4/75

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: -52.989 ± 0.159 χ^2/NDF : 10342.5/20

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

Left In: -52.305 ± 0.161 χ^2/NDF : 10030.7/18

Left: -52.653 ± 0.113 χ^2/NDF : 20382.3/39

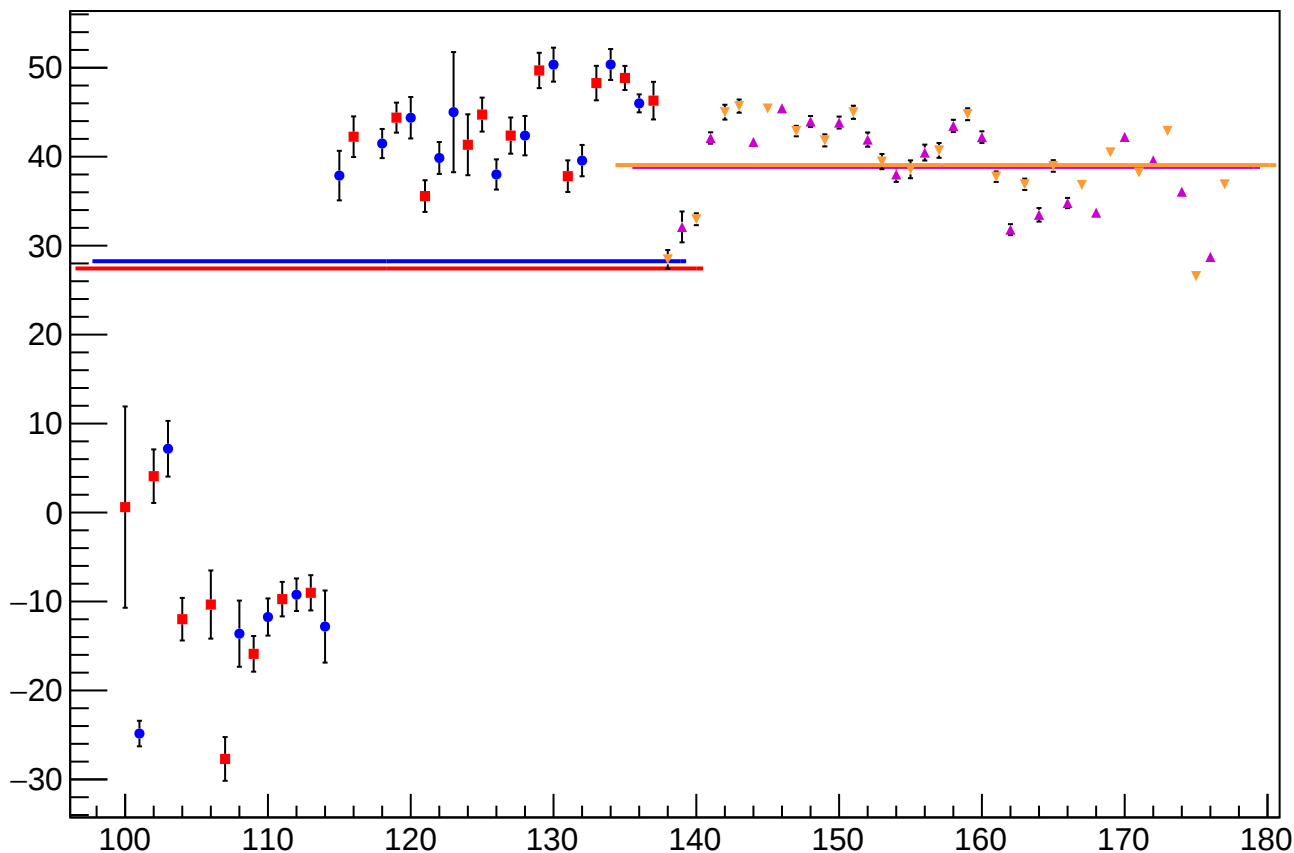
Right: -63.677 ± 0.528 χ^2/NDF : 815.4/35

In: -52.783 ± 0.158 χ^2/NDF : 10593.4/35

Out: -53.481 ± 0.155 χ^2/NDF : 11011.8/39

All: -53.137 ± 0.111 χ^2/NDF : 21615.1/75

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250 ± 0.460 $\chi^2/\text{NDF}: 3319.5/16$

Left Out: 39.057 ± 0.135 $\chi^2/\text{NDF}: 1463.4/20$

Right Out: 27.435 ± 0.479 $\chi^2/\text{NDF}: 3032.4/18$

Left In: 38.851 ± 0.139 $\chi^2/\text{NDF}: 1295.4/18$

Left: 38.957 ± 0.097 $\chi^2/\text{NDF}: 2759.9/39$

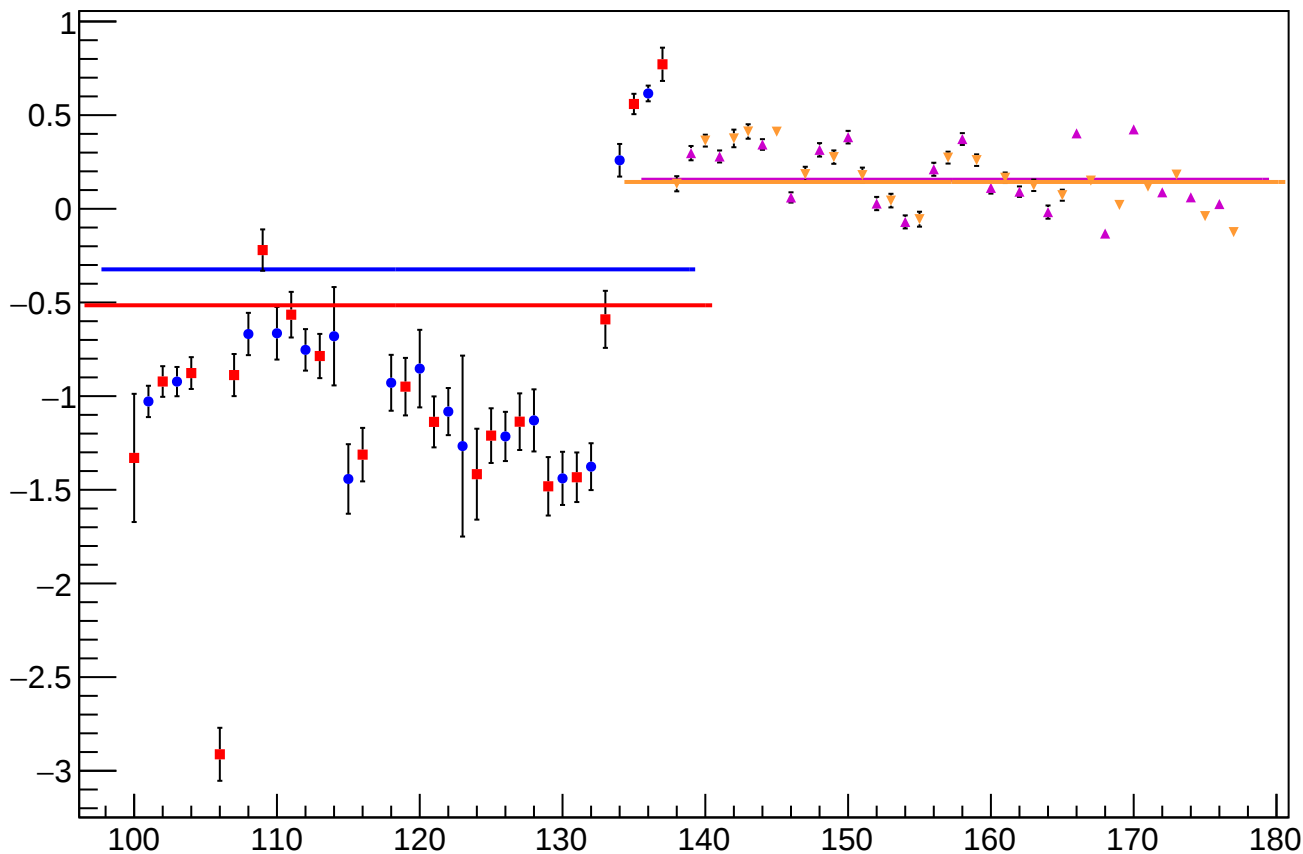
Right: 27.859 ± 0.332 $\chi^2/\text{NDF}: 6353.5/35$

In: 37.965 ± 0.133 $\chi^2/\text{NDF}: 5101.4/35$

Out: 38.198 ± 0.130 $\chi^2/\text{NDF}: 5041.6/39$

All: 38.084 ± 0.093 $\chi^2/\text{NDF}: 10144.5/75$

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: 0.143 ± 0.006 χ^2/NDF : 576.9/20

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

Left In: 0.155 ± 0.006 χ^2/NDF : 767.1/18

Left: 0.149 ± 0.004 χ^2/NDF : 1345.8/39

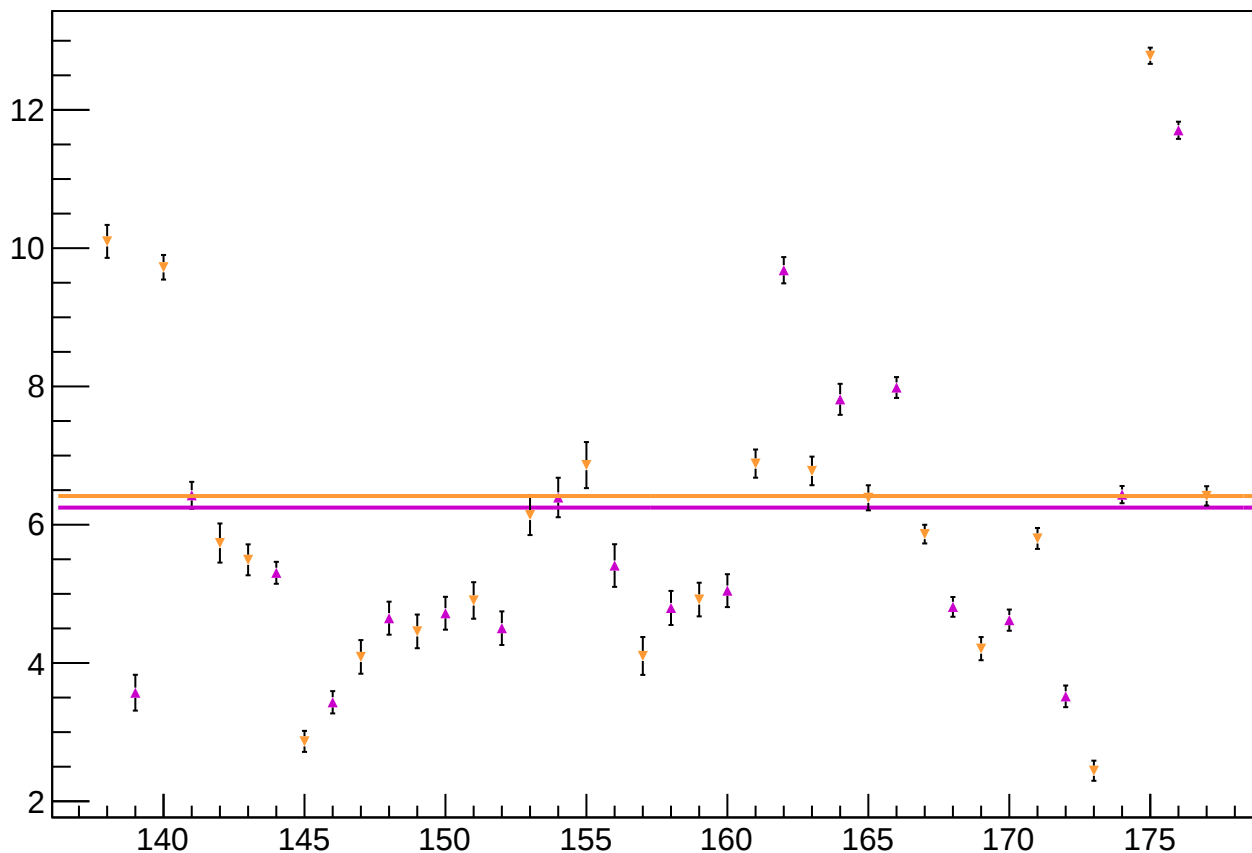
Right: -0.416 ± 0.018 χ^2/NDF : 2200.2/35

In: 0.126 ± 0.006 χ^2/NDF : 2123.2/35

Out: 0.107 ± 0.006 χ^2/NDF : 2354.8/39

All: 0.116 ± 0.004 χ^2/NDF : 4483.1/75

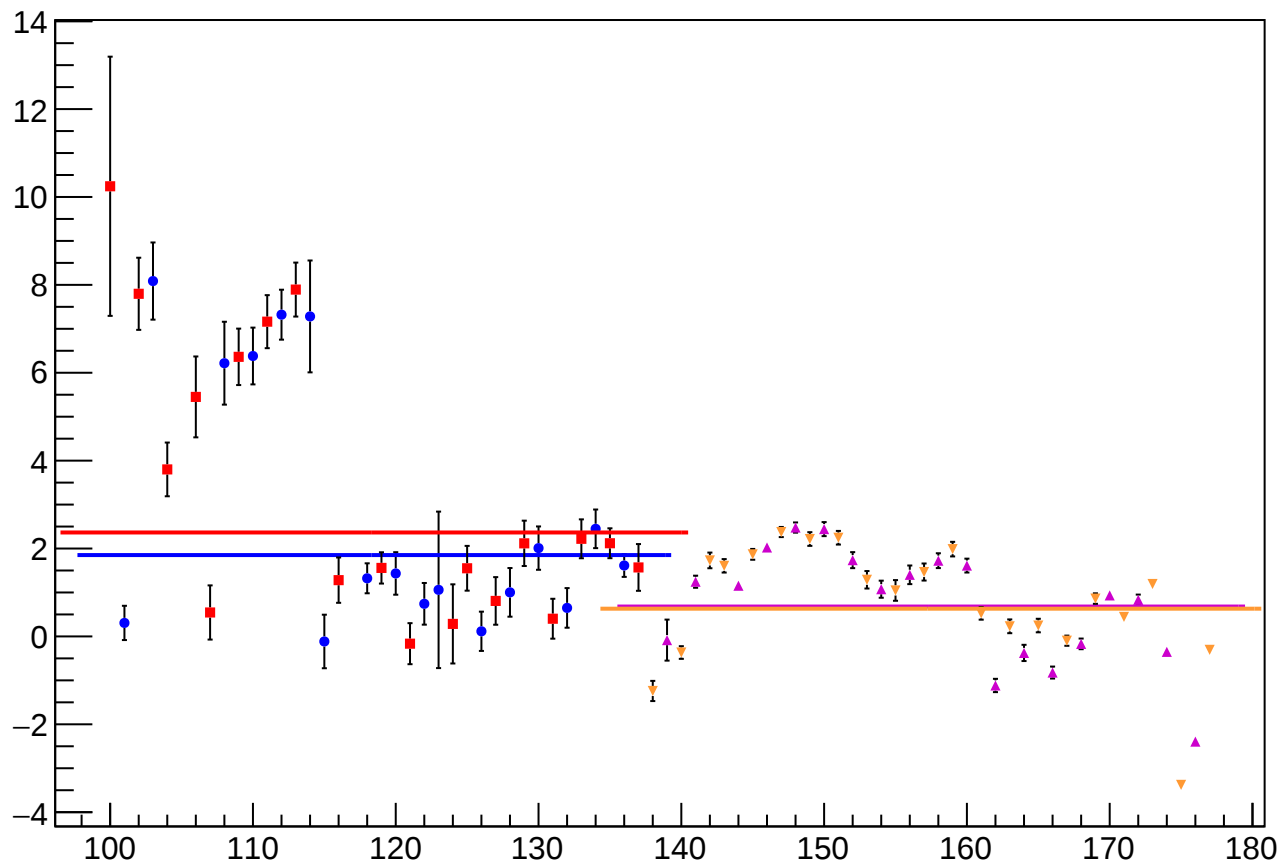
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 6.415 $\pm$ 0.041 χ^2/NDF :5366.8/20
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 6.248 $\pm$ 0.041 χ^2/NDF :3613.4/18

Left: 6.333 $\pm$ 0.029 χ^2/NDF : 8988.5/39
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 6.248 $\pm$ 0.041 χ^2/NDF :3613.4/18
 Out: 6.415 $\pm$ 0.041 χ^2/NDF :5366.8/20
 All: 6.333 $\pm$ 0.029 χ^2/NDF : 8988.5/39

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 0.631 ± 0.031 χ^2/NDF : 2259.7/20

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

Left In: 0.680 ± 0.031 χ^2/NDF : 1870.6/18

Left: 0.655 ± 0.022 χ^2/NDF : 4131.6/39

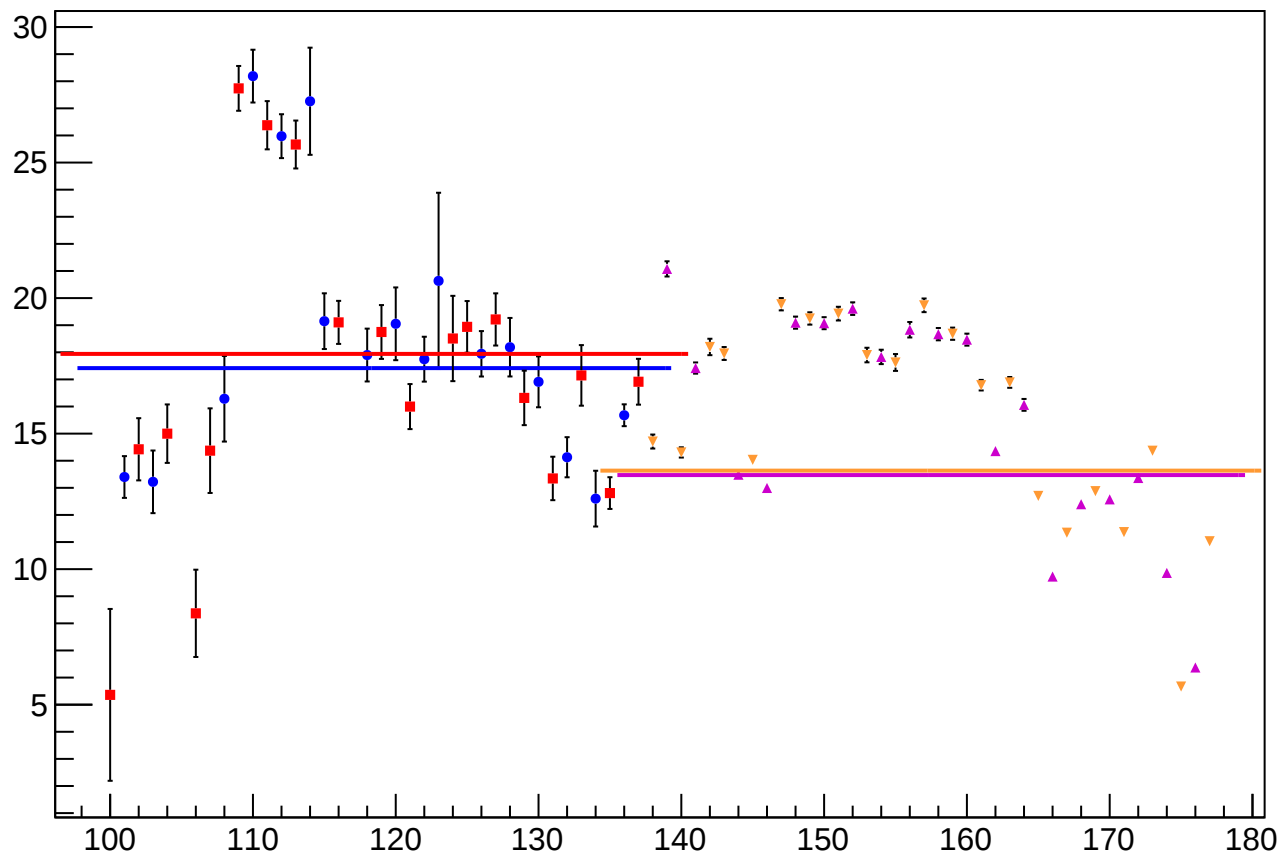
Right: 2.097 ± 0.085 χ^2/NDF : 639.6/35

In: 0.759 ± 0.030 χ^2/NDF : 2258.0/35

Out: 0.734 ± 0.030 χ^2/NDF : 2784.3/39

All: 0.746 ± 0.021 χ^2/NDF : 5042.6/75

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 13.635 $\pm$ 0.041 χ^2 /NDF:9999.8/20

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

Left In: 13.471 $\pm$ 0.041 χ^2 /NDF:9622.5/18

Left: 13.554 $\pm$ 0.029 χ^2 /NDF: 19630.2/39

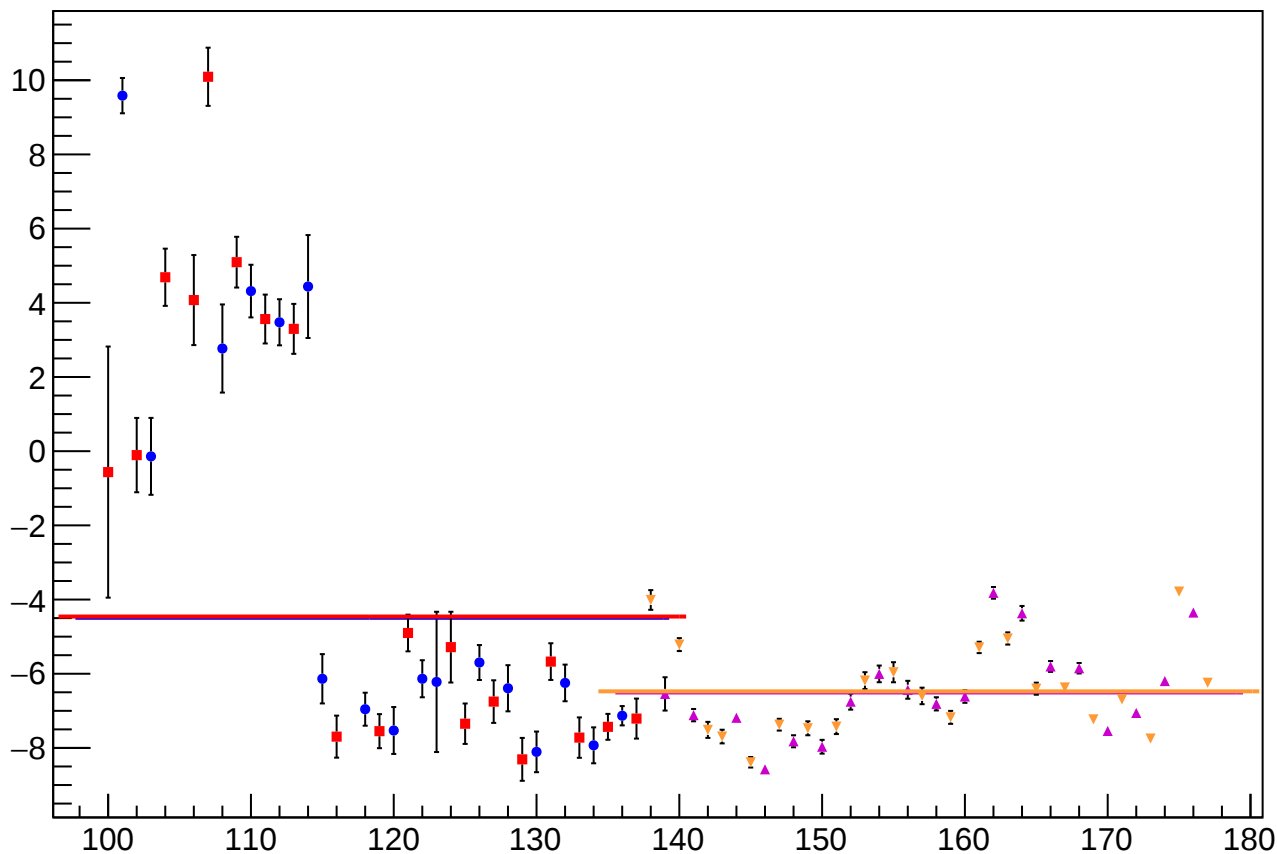
Right: 17.671 $\pm$ 0.153 χ^2 /NDF: 875.6/35

In: 13.616 $\pm$ 0.041 χ^2 /NDF:10321.3/35

Out: 13.778 $\pm$ 0.040 χ^2 /NDF:10878.7/39

All: 13.698 $\pm$ 0.029 χ^2 /NDF: 21208.1/75

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: -6.474 ± 0.035 χ^2/NDF : 1296.2/20

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

Left In: -6.505 ± 0.036 χ^2/NDF : 1308.9/18

Left: -6.489 ± 0.025 χ^2/NDF : 2605.4/39

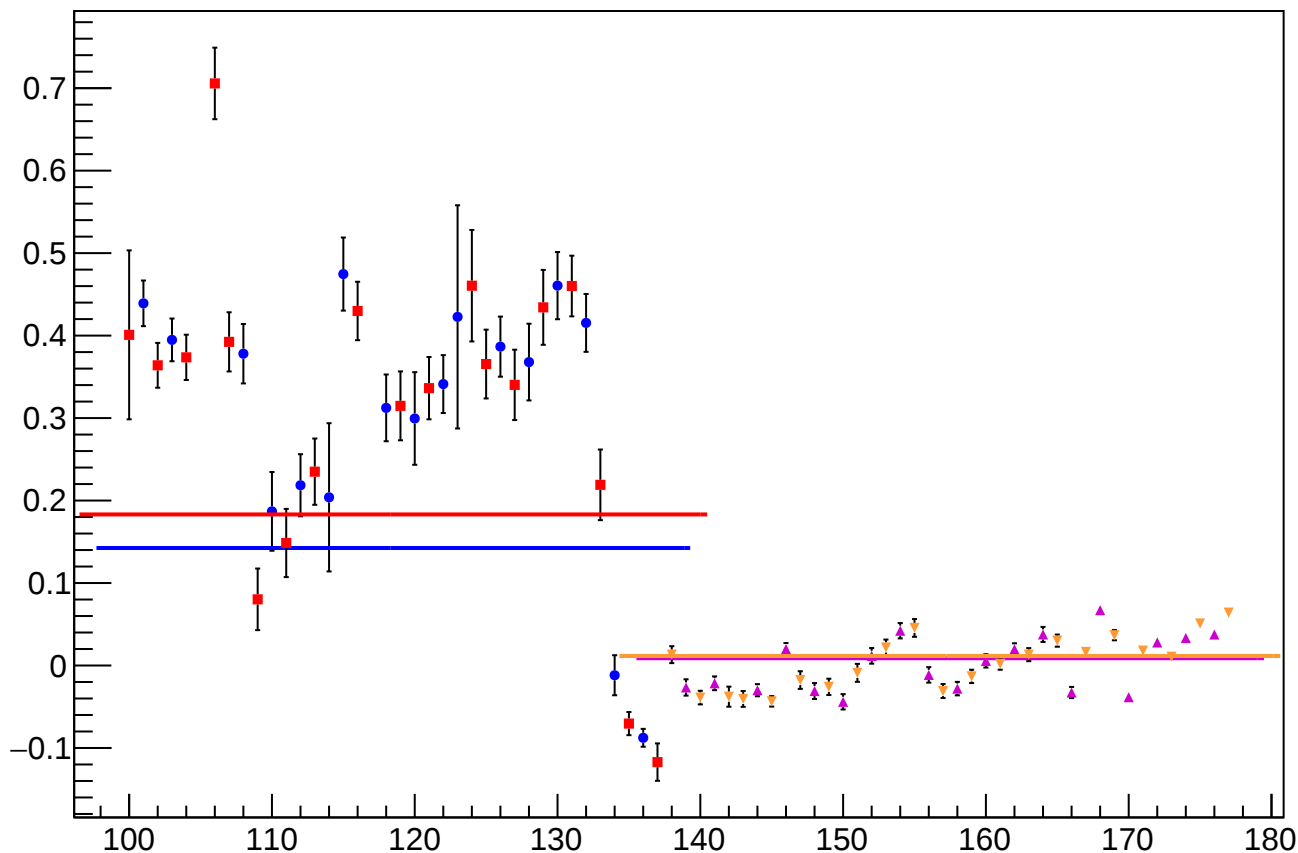
Right: -4.476 ± 0.094 χ^2/NDF : 2924.4/35

In: -6.364 ± 0.035 χ^2/NDF : 3115.8/35

Out: -6.352 ± 0.034 χ^2/NDF : 2838.6/39

All: -6.358 ± 0.024 χ^2/NDF : 5954.5/75

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: 0.012 $\pm$ 0.002 χ^2 /NDF:405.1/20

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 1000.9/18

Left In: 0.009 $\pm$ 0.002 χ^2 /NDF:443.7/18

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 850.3/39

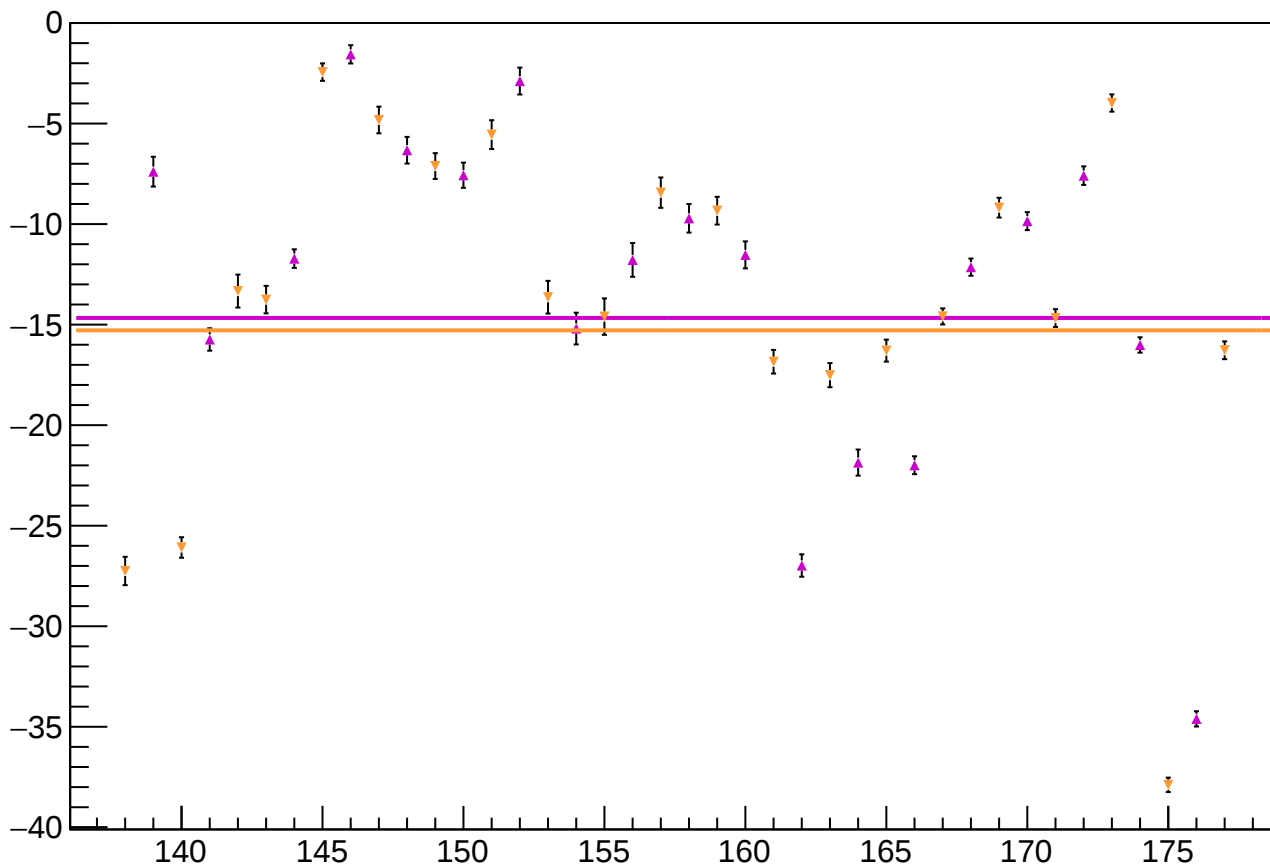
Right: 0.162 $\pm$ 0.005 χ^2 /NDF: 2075.4/35

In: 0.016 $\pm$ 0.002 χ^2 /NDF:1841.9/35

Out: 0.019 $\pm$ 0.002 χ^2 /NDF:1918.8/39

All: 0.017 $\pm$ 0.001 χ^2 /NDF: 3763.5/75

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -15.284 $\pm$ 0.119 χ^2 /NDF:7191.1/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -14.667 $\pm$ 0.121 χ^2 /NDF:5695.6/18

Left: -14.981 $\pm$ 0.085 χ^2 /NDF: 12899.9/39

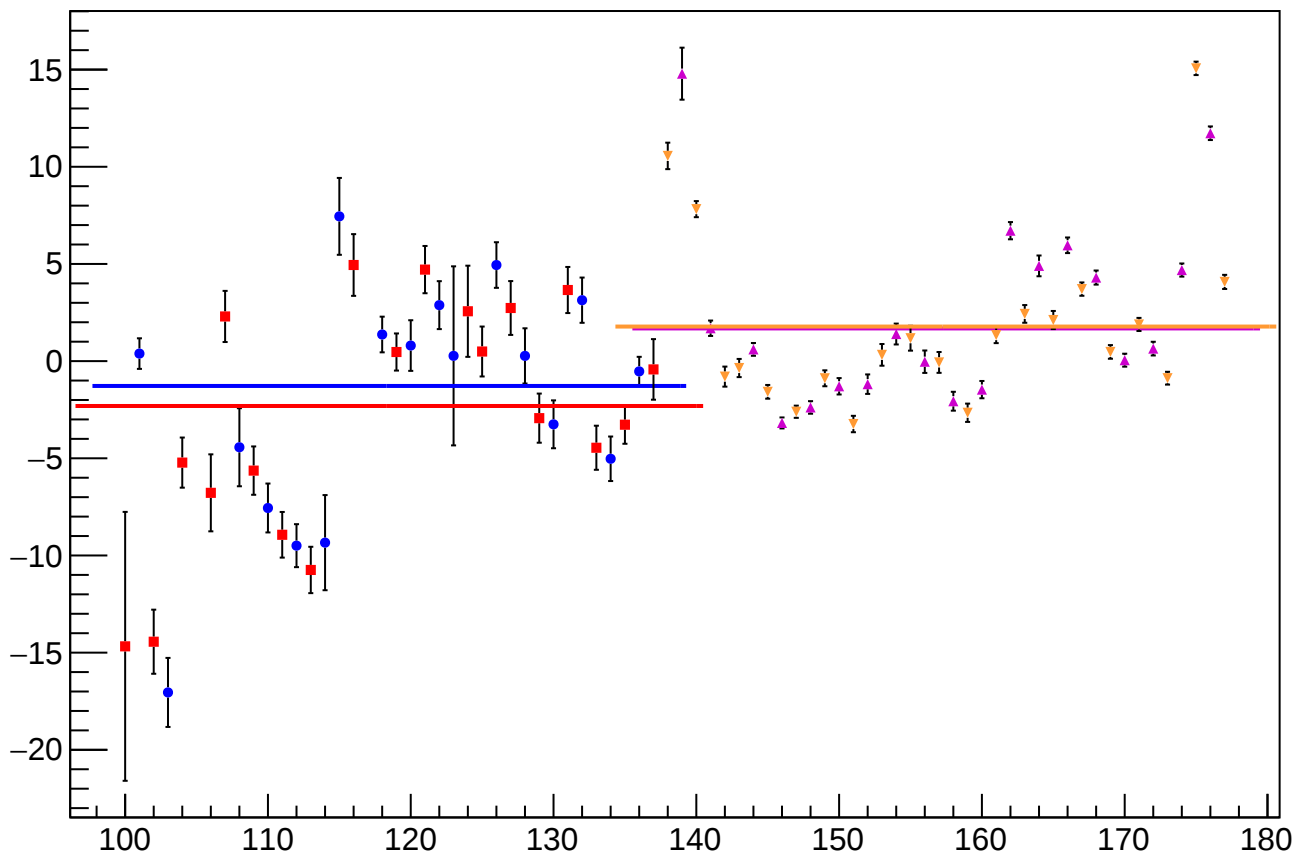
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -14.667 $\pm$ 0.121 χ^2 /NDF:5695.6/18

Out: -15.284 $\pm$ 0.119 χ^2 /NDF:7191.1/20

All: -14.981 $\pm$ 0.085 χ^2 /NDF: 12899.9/39

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 1.779 ± 0.089 χ^2/NDF : 2632.1/20

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

Left In: 1.681 ± 0.091 χ^2/NDF : 2025.9/18

Left: 1.731 ± 0.064 χ^2/NDF : 4658.6/39

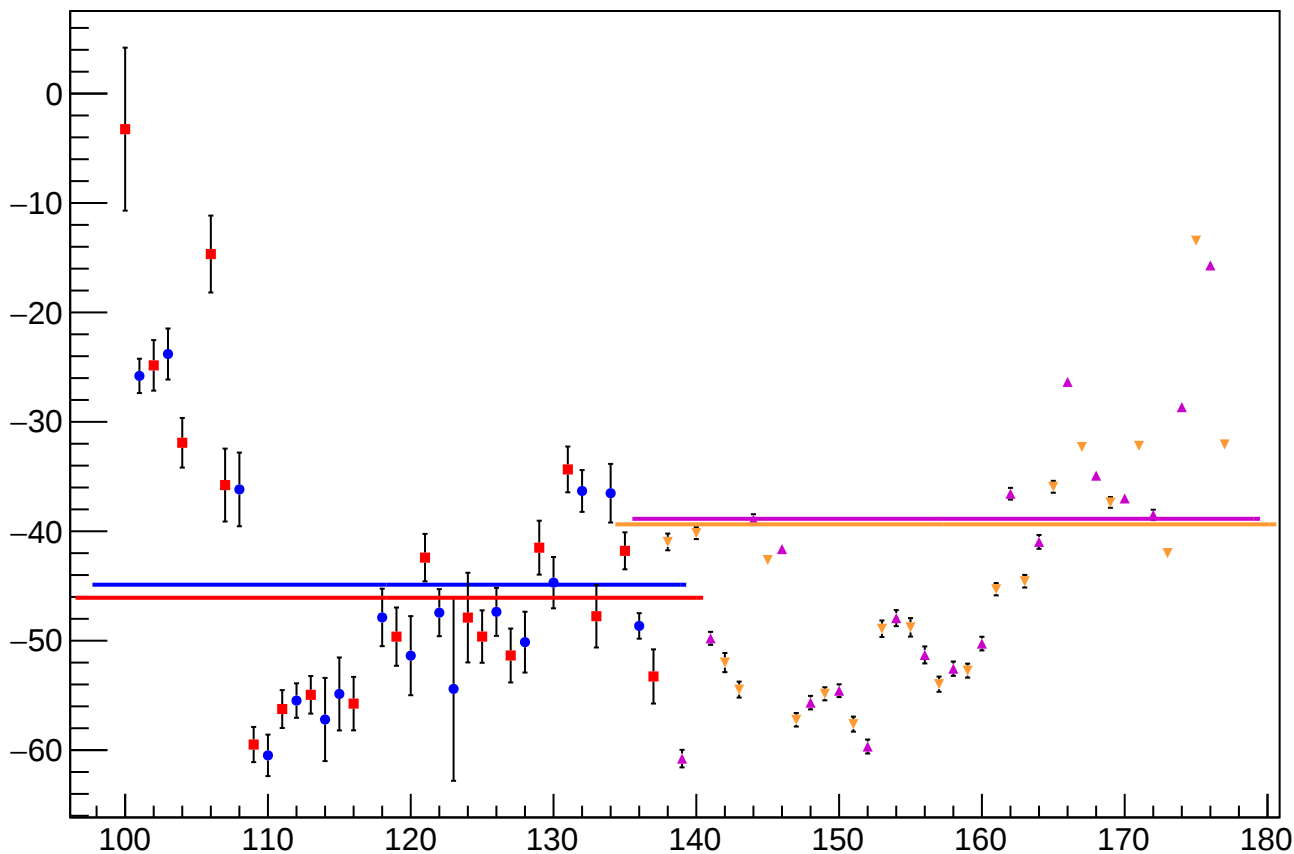
Right: -1.776 ± 0.210 χ^2/NDF : 567.8/35

In: 1.419 ± 0.087 χ^2/NDF : 2395.8/35

Out: 1.451 ± 0.086 χ^2/NDF : 3085.5/39

All: 1.435 ± 0.061 χ^2/NDF : 5481.4/75

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -39.367 ± 0.119 χ^2/NDF : 10333.7/20

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

Left In: -38.861 ± 0.121 χ^2/NDF : 10109.4/18

Left: -39.118 ± 0.085 χ^2/NDF : 20452.0/39

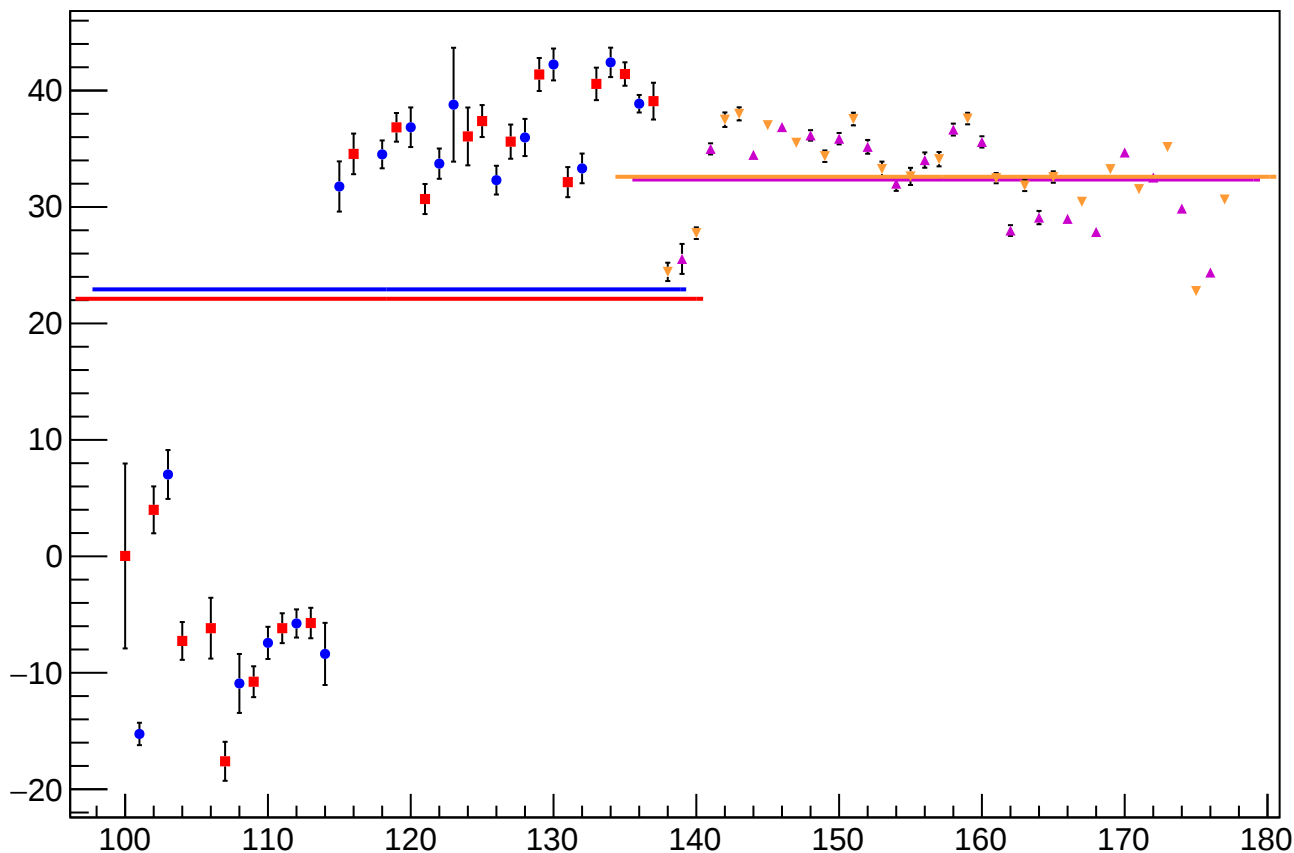
Right: -45.474 ± 0.372 χ^2/NDF : 877.8/35

In: -39.164 ± 0.118 χ^2/NDF : 10655.6/35

Out: -39.690 ± 0.116 χ^2/NDF : 10941.2/39

All: -39.431 ± 0.083 χ^2/NDF : 21607.0/75

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 32.594 $\pm$ 0.101 χ^2 /NDF:1574.9/20

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

Left In: 32.359 $\pm$ 0.104 χ^2 /NDF:1352.6/18

Left: 32.480 $\pm$ 0.073 χ^2 /NDF: 2930.1/39

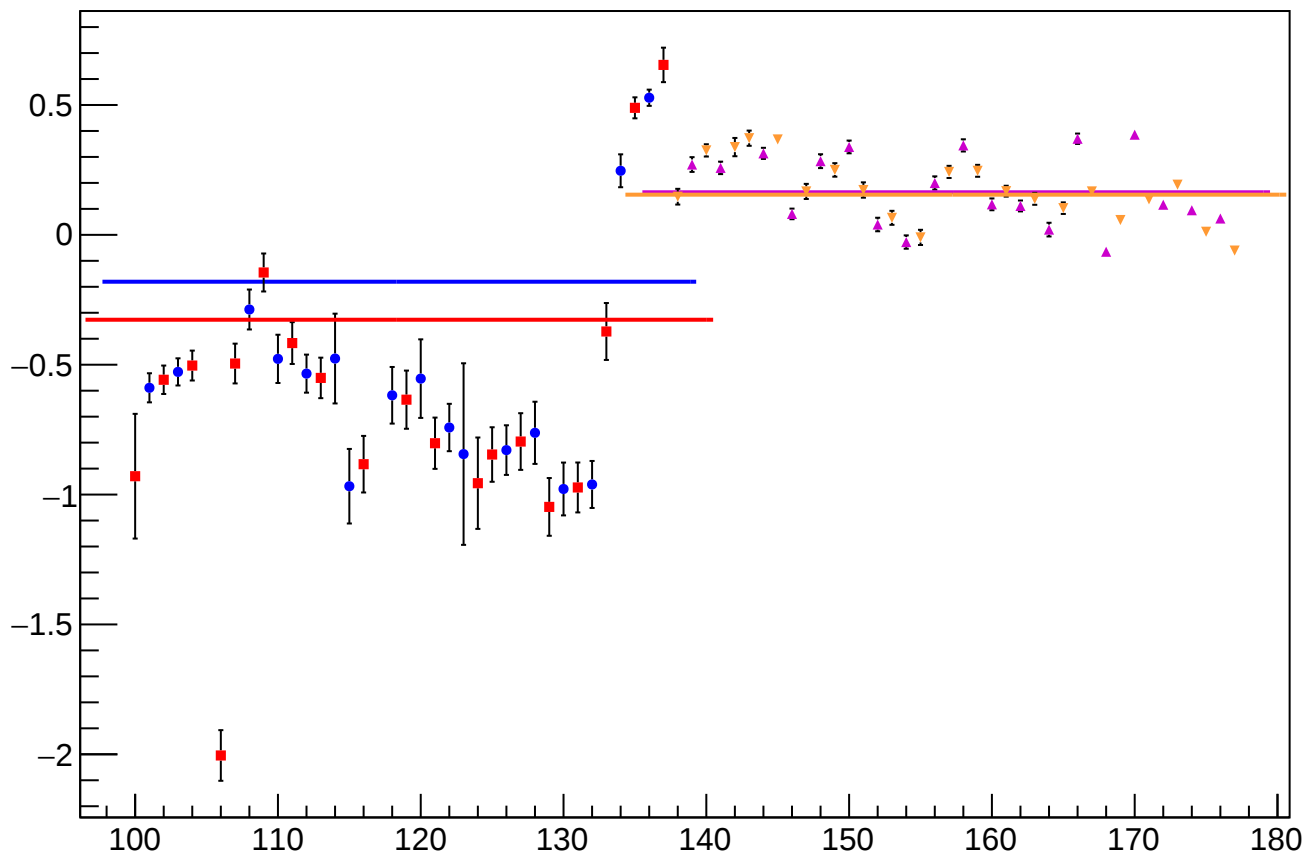
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 31.497 $\pm$ 0.099 χ^2 /NDF:6434.1/35

Out: 31.739 $\pm$ 0.097 χ^2 /NDF:6480.6/39

All: 31.621 $\pm$ 0.069 χ^2 /NDF: 12917.7/75

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: 0.155 ± 0.005 χ^2/NDF : 638.5/20

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.164 ± 0.005 χ^2/NDF : 898.7/18

Left: 0.159 ± 0.003 χ^2/NDF : 1539.1/39

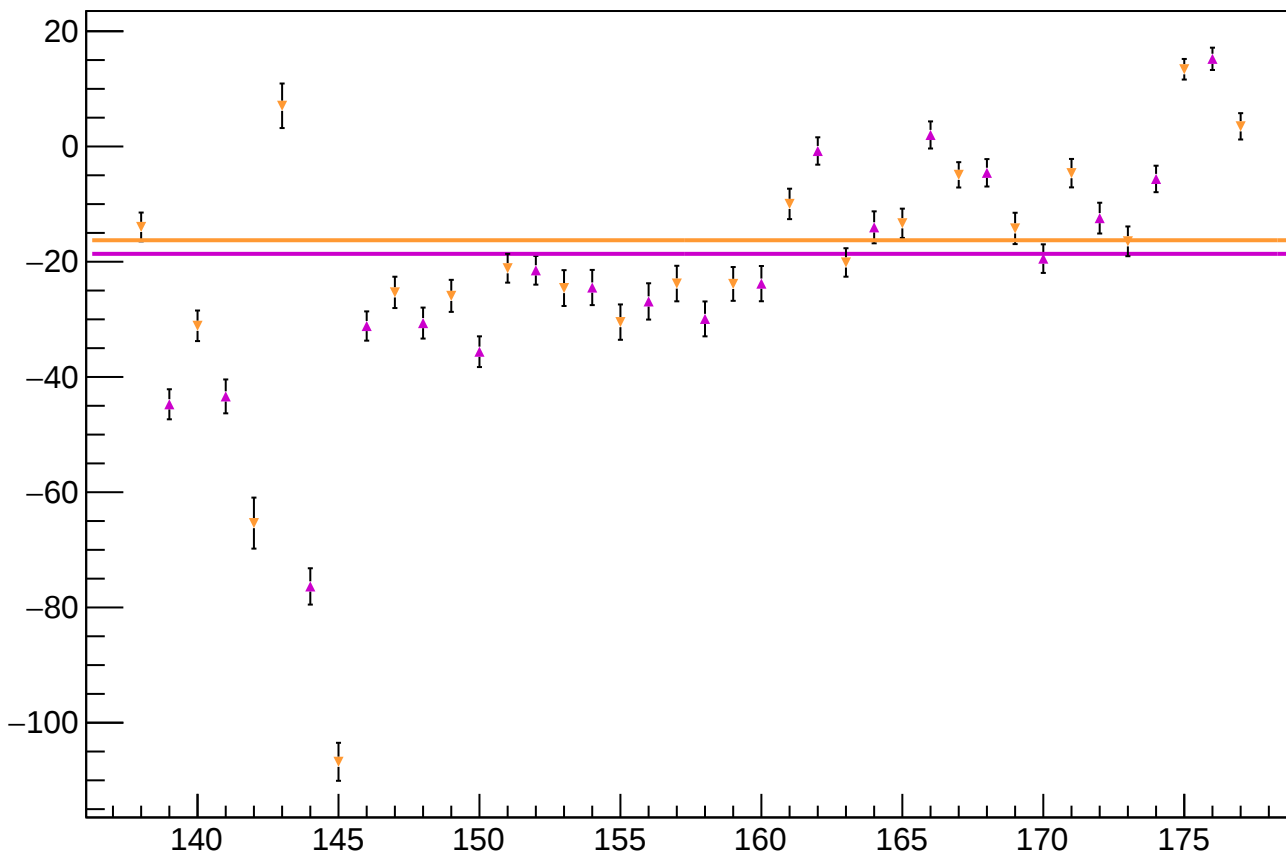
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.141 ± 0.005 χ^2/NDF : 2245.0/35

Out: 0.125 ± 0.005 χ^2/NDF : 2470.8/39

All: 0.133 ± 0.003 χ^2/NDF : 4722.0/75

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -16.272+/-0.578 χ^2/NDF :1422.8/20

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

Left In: -18.632+/-0.597 χ^2/NDF :1134.0/18

Left: -17.415+/-0.415 χ^2/NDF : 2564.9/39

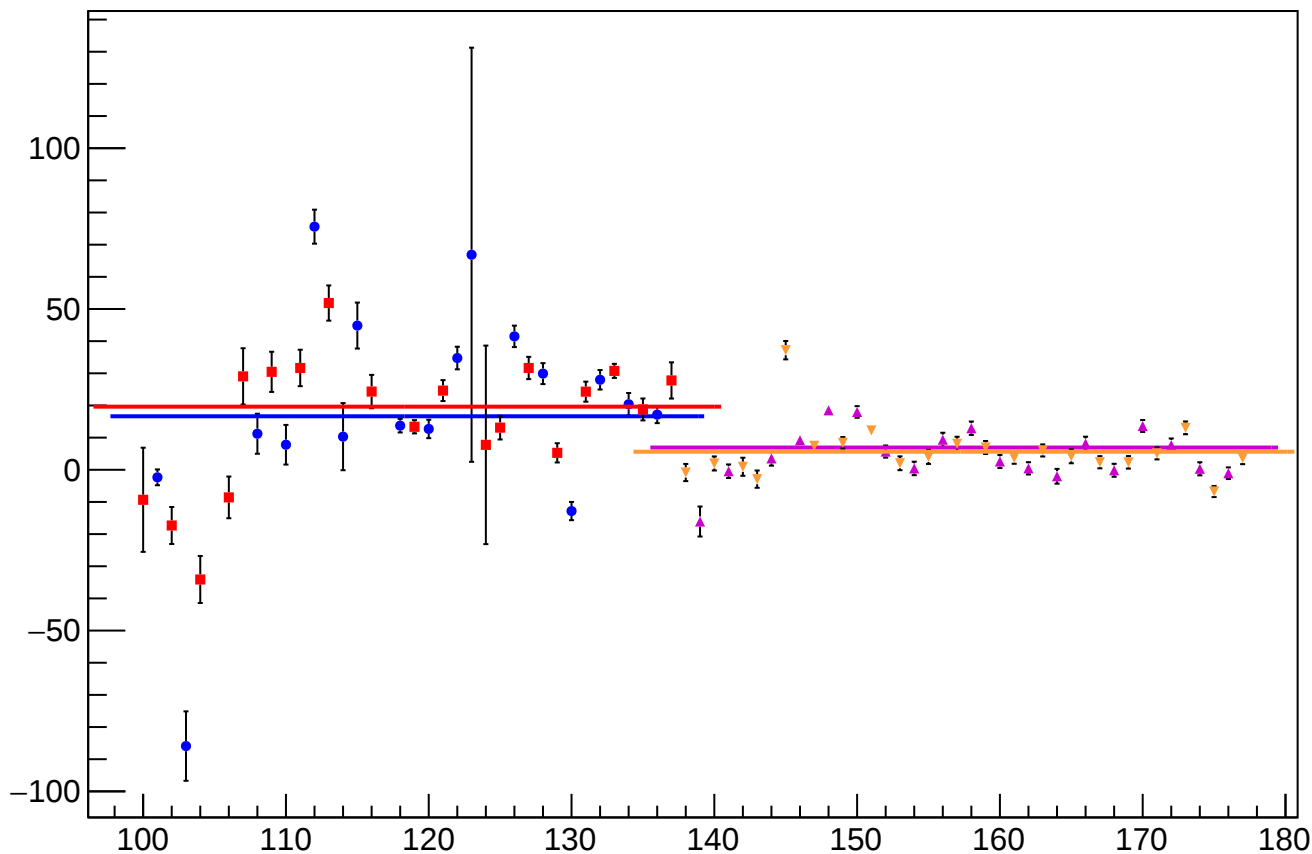
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.632+/-0.597 χ^2/NDF :1134.0/18

Out: -16.272+/-0.578 χ^2/NDF :1422.8/20

All: -17.415+/-0.415 χ^2/NDF : 2564.9/39

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 5.612 ± 0.427 $\chi^2/\text{NDF}: 248.3/20$

Right Out: 19.632 ± 0.896 $\chi^2/\text{NDF}: 241.7/18$

Left In: 6.918 ± 0.447 $\chi^2/\text{NDF}: 263.4/18$

Left: 6.235 ± 0.309 $\chi^2/\text{NDF}: 516.1/39$

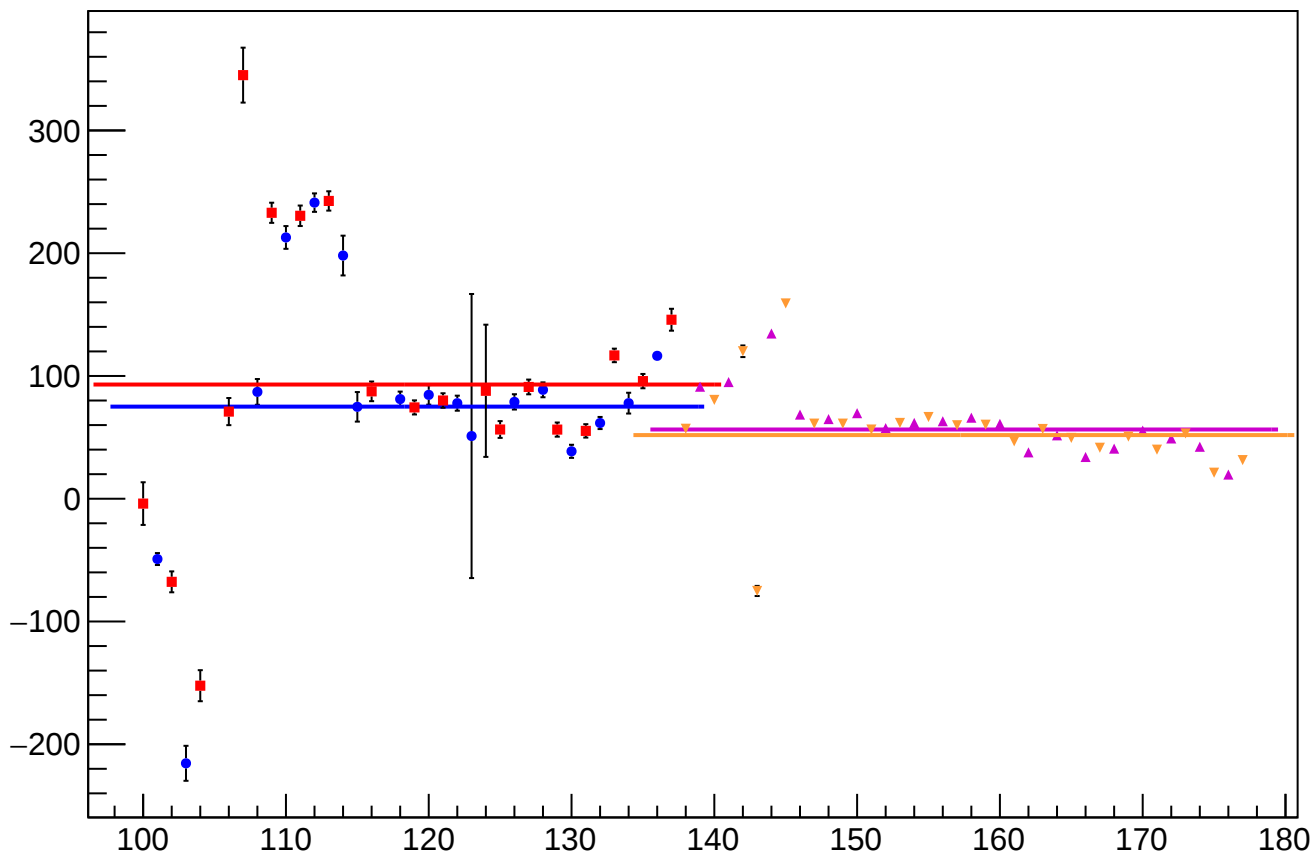
Right: 18.072 ± 0.620 $\chi^2/\text{NDF}: 766.4/35$

In: 8.991 ± 0.397 $\chi^2/\text{NDF}: 883.1/35$

Out: 8.203 ± 0.385 $\chi^2/\text{NDF}: 689.4/39$

All: 8.586 ± 0.276 $\chi^2/\text{NDF}: 1574.6/75$

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: 51.844 $\pm$ 0.572 χ^2/NDF : 2756.9/20

Right Out: 93.028 $\pm$ 1.711 χ^2/NDF : 2003.6/18

Left In: 56.402 $\pm$ 0.590 χ^2/NDF : 1535.9/18

Left: 54.053 $\pm$ 0.410 χ^2/NDF : 4323.6/39

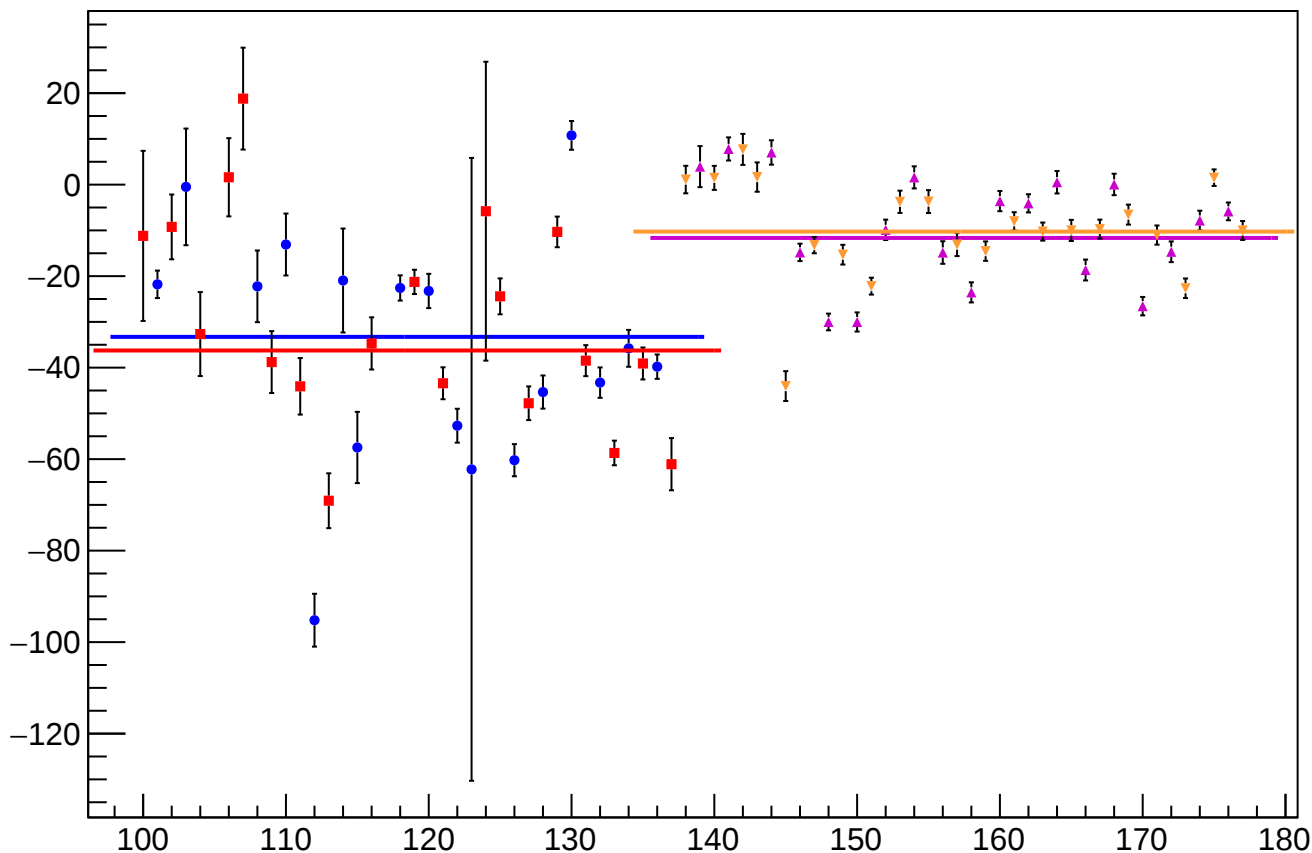
Right: 83.683 $\pm$ 1.187 χ^2/NDF : 4060.7/35

In: 58.520 $\pm$ 0.555 χ^2/NDF : 3649.0/35

Out: 55.979 $\pm$ 0.542 χ^2/NDF : 5281.5/39

All: 57.220 $\pm$ 0.388 χ^2/NDF : 8941.2/75

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -10.260 ± 0.488 χ^2/NDF : 333.0/20

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

Left In: -11.651 ± 0.512 χ^2/NDF : 518.3/18

Left: -10.923 ± 0.353 χ^2/NDF : 855.2/39

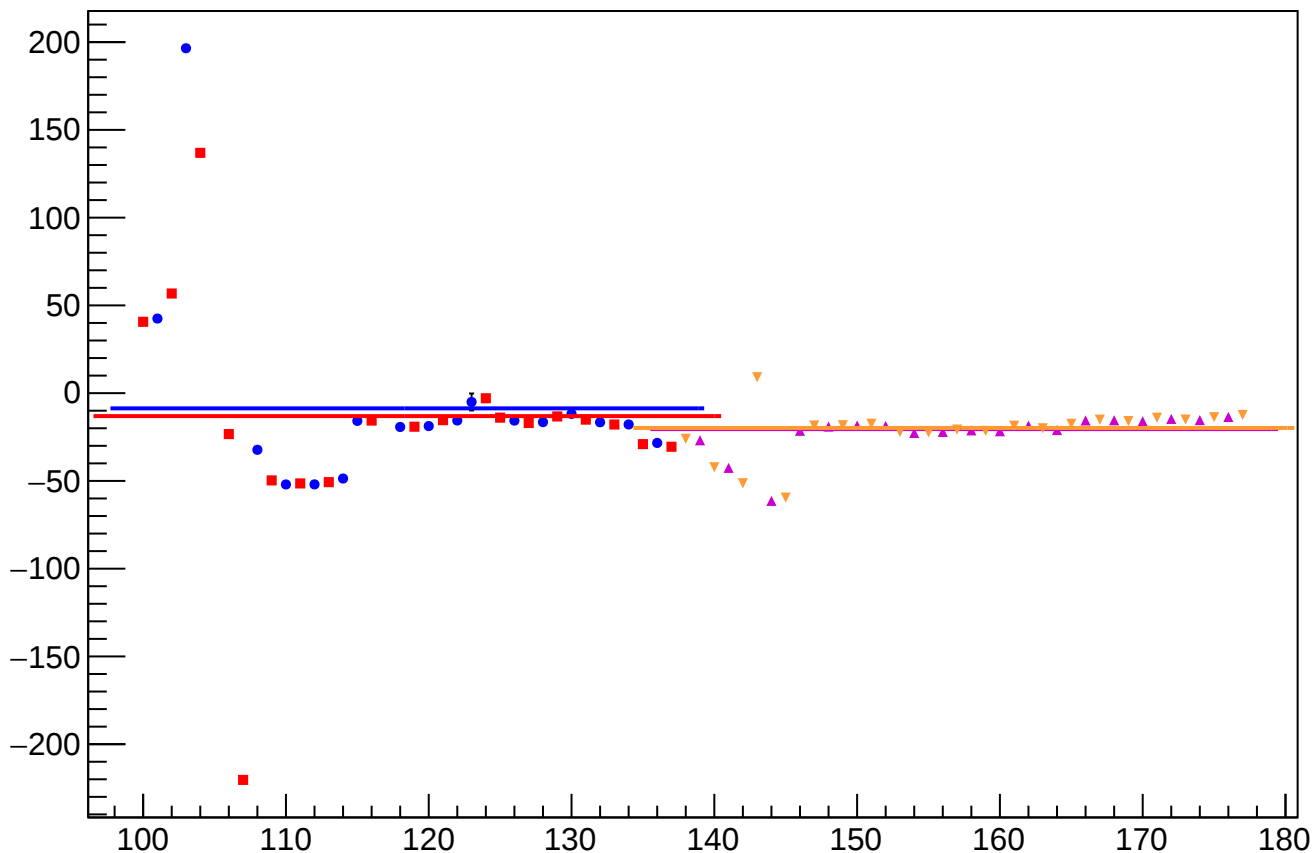
Right: -34.699 ± 0.709 χ^2/NDF : 791.4/35

In: -16.271 ± 0.454 χ^2/NDF : 1388.9/35

Out: -15.079 ± 0.441 χ^2/NDF : 1155.5/39

All: -15.657 ± 0.316 χ^2/NDF : 2547.9/75

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: -19.818 ± 0.023 $\chi^2/\text{NDF}: 207265.2/20$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

Left In: -20.482 ± 0.023 $\chi^2/\text{NDF}: 135540.4/18$

Left: -20.143 ± 0.016 $\chi^2/\text{NDF}: 343228.5/39$

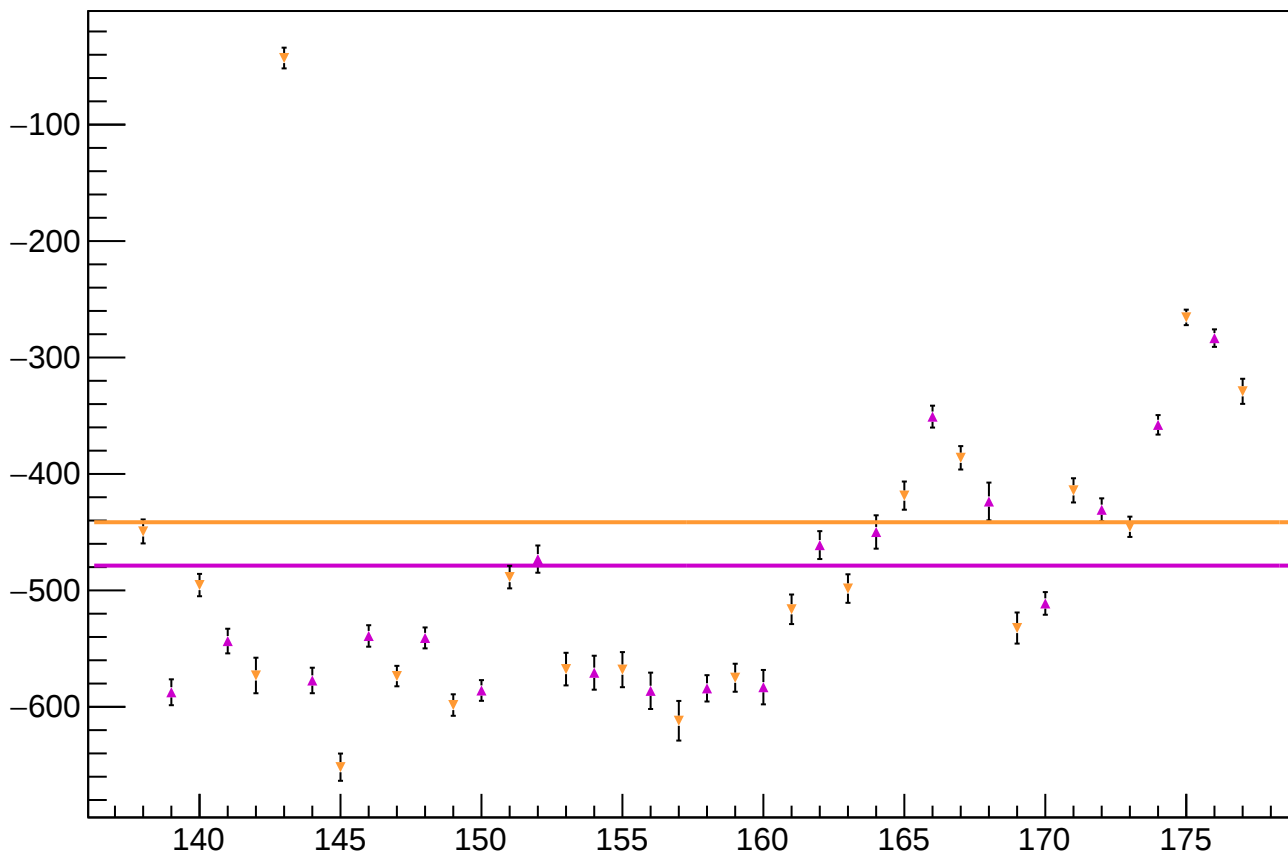
Right: -10.767 ± 0.043 $\chi^2/\text{NDF}: 1136731.7/35$

In: -18.921 ± 0.021 $\chi^2/\text{NDF}: 746048.5/35$

Out: -19.026 ± 0.021 $\chi^2/\text{NDF}: 776075.6/39$

All: -18.974 ± 0.015 $\chi^2/\text{NDF}: 1522136.3/75$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -441.454+/-2.303 χ^2/NDF :4302.6/20

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

Left In: -478.709+/-2.422 χ^2/NDF :1795.2/18

Left: -459.145+/-1.669 χ^2/NDF : 6222.1/39

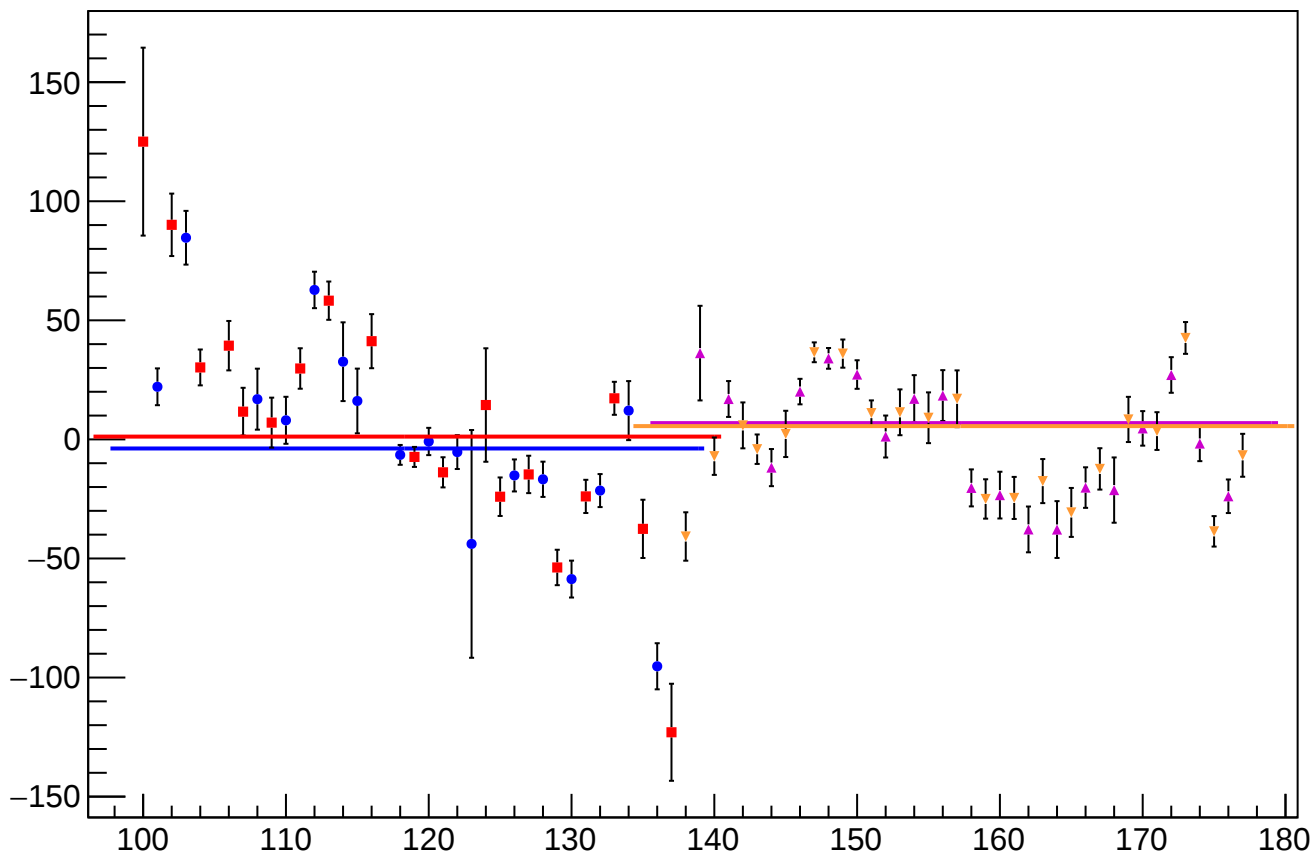
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -478.709+/-2.422 χ^2/NDF :1795.2/18

Out: -441.454+/-2.303 χ^2/NDF :4302.6/20

All: -459.145+/-1.669 χ^2/NDF : 6222.1/39

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 5.579 ± 1.645 χ^2/NDF : 239.1/20

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

Left In: 6.838 ± 1.759 χ^2/NDF : 168.4/18

Left: 6.166 ± 1.202 χ^2/NDF : 407.8/39

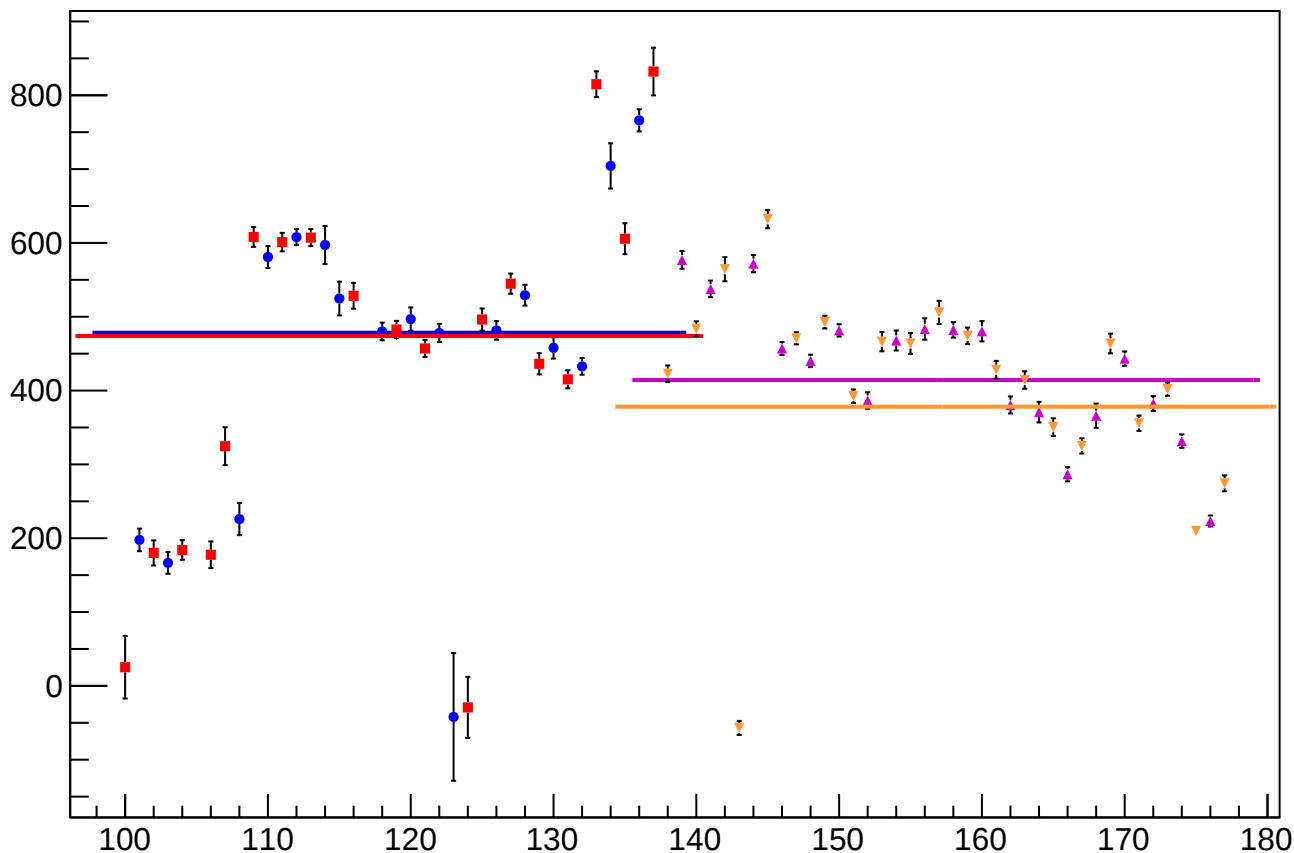
Right: -1.308 ± 1.356 χ^2/NDF : 621.6/35

In: 1.983 ± 1.298 χ^2/NDF : 499.4/35

Out: 3.708 ± 1.247 χ^2/NDF : 546.0/39

All: 2.880 ± 0.899 χ^2/NDF : 1046.4/75

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334+/-3.662 χ^2/NDF : 1628.8/16

Left Out: 378.196+/-2.290 χ^2/NDF : 4152.9/20

Right Out: 473.902+/-3.531 χ^2/NDF : 2285.0/18

Left In: 414.296+/-2.397 χ^2/NDF : 1656.3/18

Left: 395.421+/-1.656 χ^2/NDF : 5927.8/39

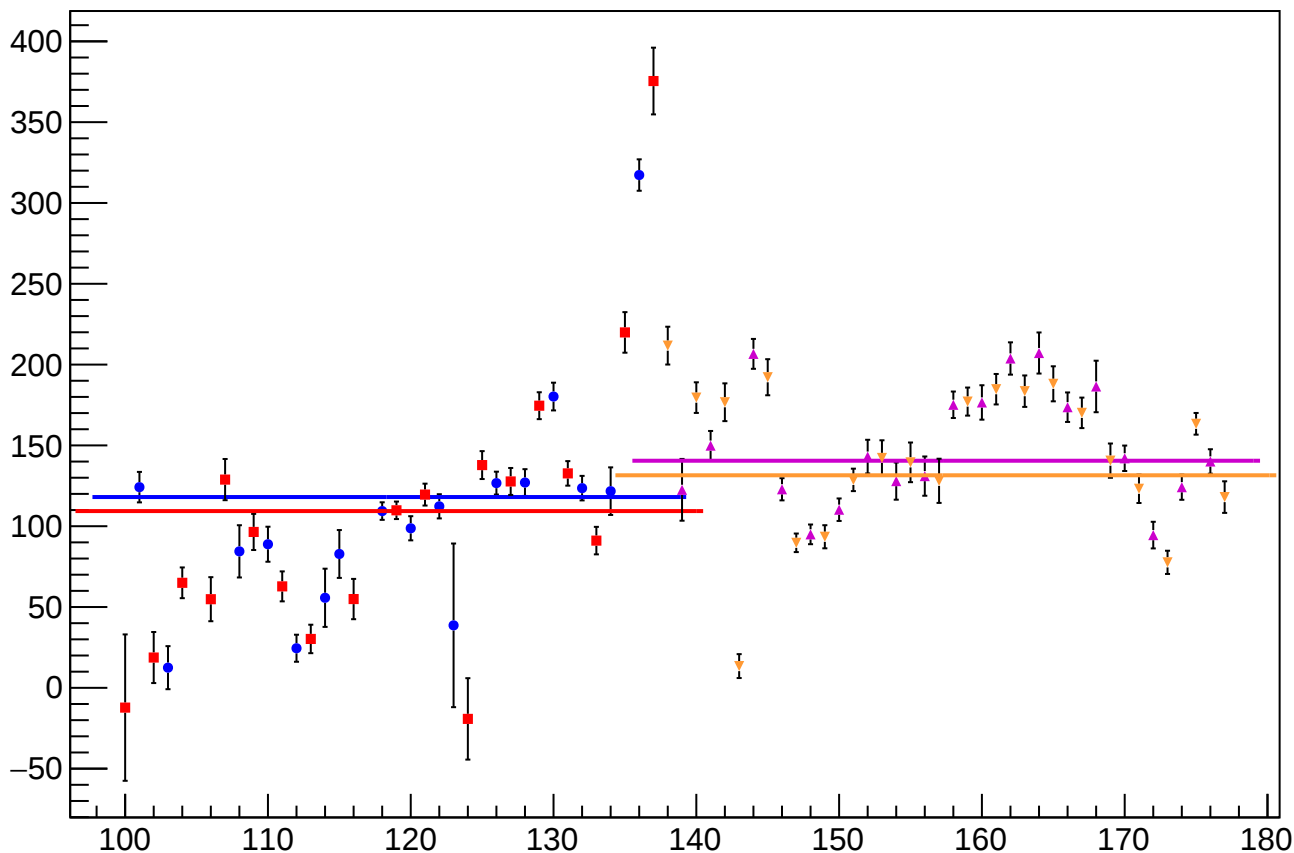
Right: 476.038+/-2.542 χ^2/NDF : 3914.6/35

In: 433.499+/-2.005 χ^2/NDF : 3499.2/35

Out: 406.525+/-1.921 χ^2/NDF : 6955.1/39

All: 419.433+/-1.387 χ^2/NDF : 10548.6/75

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 131.511 ± 1.918 $\chi^2/\text{NDF}: 669.3/20$

Right Out: 109.367 ± 2.205 $\chi^2/\text{NDF}: 569.8/18$

Left In: 140.514 ± 2.043 $\chi^2/\text{NDF}: 290.5/18$

Left: 135.730 ± 1.398 $\chi^2/\text{NDF}: 970.1/39$

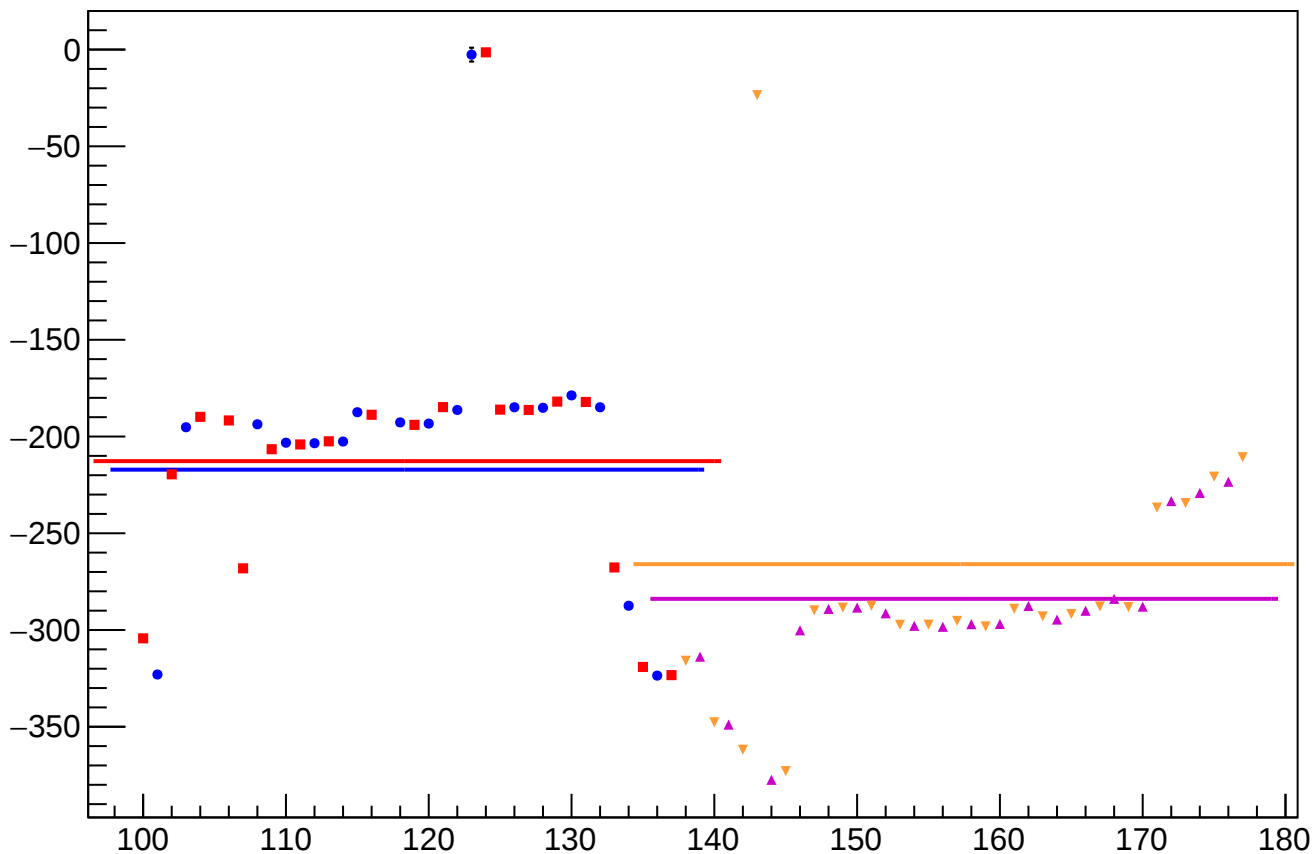
Right: 113.671 ± 1.566 $\chi^2/\text{NDF}: 1282.8/35$

In: 130.243 ± 1.505 $\chi^2/\text{NDF}: 1051.1/35$

Out: 121.971 ± 1.447 $\chi^2/\text{NDF}: 1296.5/39$

All: 125.945 ± 1.043 $\chi^2/\text{NDF}: 2363.3/75$

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: -265.962 ± 0.092 $\chi^2/\text{NDF}: 616976.1/20$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

Left In: -283.892 ± 0.095 $\chi^2/\text{NDF}: 144929.3/18$

Left: -274.644 ± 0.066 $\chi^2/\text{NDF}: 780174.2/39$

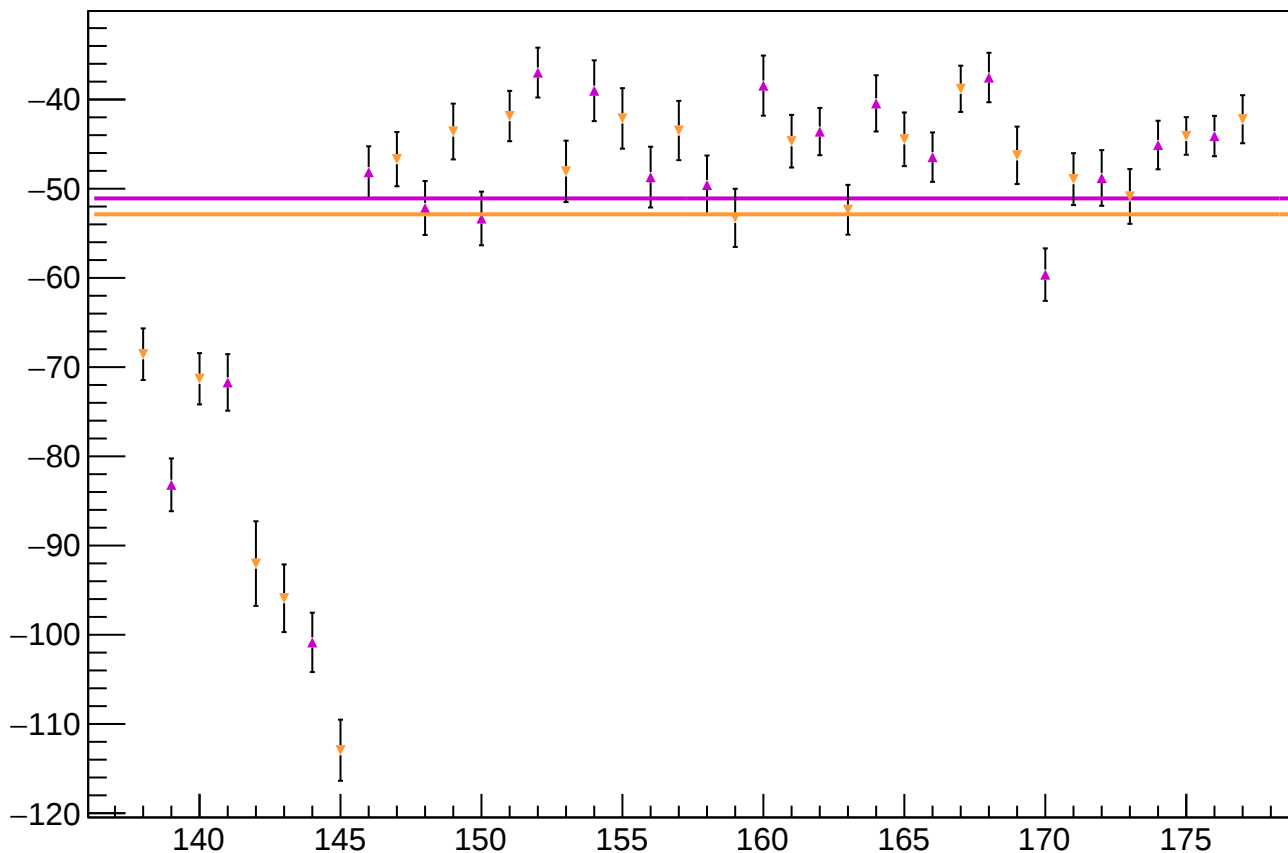
Right: -214.812 ± 0.094 $\chi^2/\text{NDF}: 262670.9/35$

In: -262.037 ± 0.078 $\chi^2/\text{NDF}: 452279.4/35$

Out: -248.147 ± 0.075 $\chi^2/\text{NDF}: 843875.1/39$

All: -254.835 ± 0.054 $\chi^2/\text{NDF}: 1312540.7/75$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



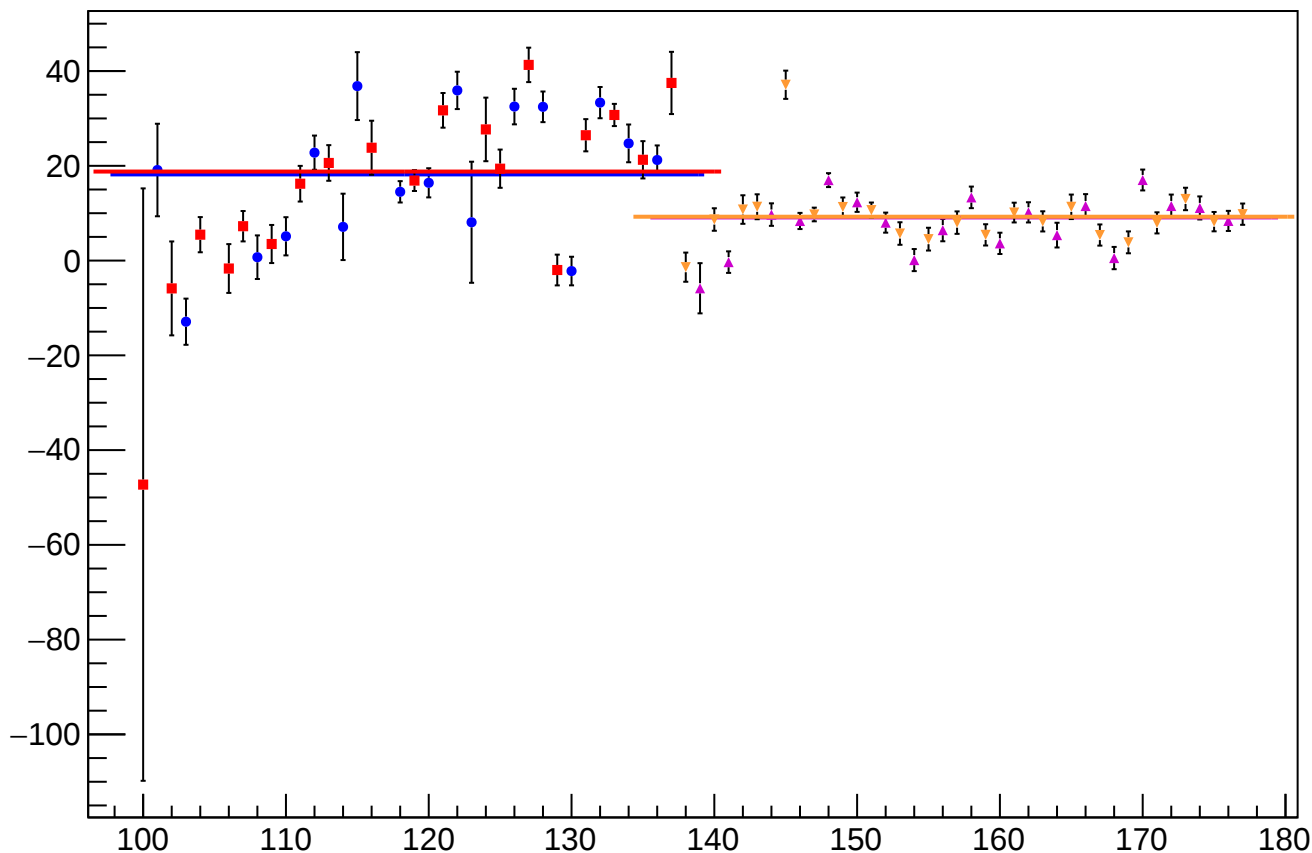
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -52.872+/-0.657 χ^2/NDF : 707.0/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -51.089+/-0.678 χ^2/NDF : 507.8/18

Left: -52.009+/-0.472 χ^2/NDF : 1218.4/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -51.089+/-0.678 χ^2/NDF : 507.8/18
 Out: -52.872+/-0.657 χ^2/NDF : 707.0/20

All: -52.009+/-0.472 χ^2/NDF : 1218.4/39

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.257 ± 0.482 χ^2/NDF : 124.0/20

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

Left In: 9.107 ± 0.506 χ^2/NDF : 113.7/18

Left: 9.186 ± 0.349 χ^2/NDF : 237.7/39

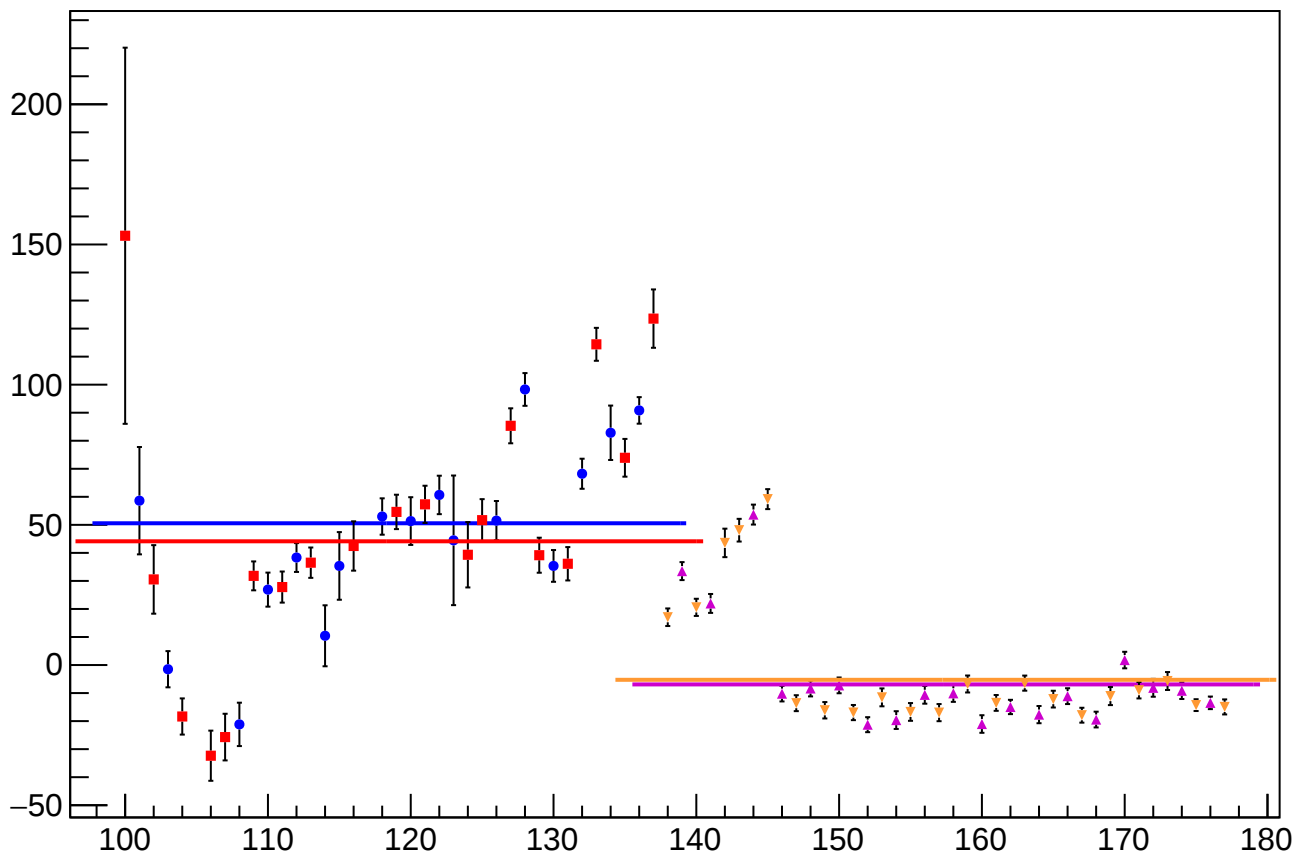
Right: 18.508 ± 0.628 χ^2/NDF : 403.9/35

In: 11.225 ± 0.443 χ^2/NDF : 393.7/35

Out: 11.527 ± 0.421 χ^2/NDF : 415.9/39

All: 11.384 ± 0.305 χ^2/NDF : 809.8/75

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: -5.269+/-0.649 χ^2/NDF : 861.5/20

Right Out: 44.132+/-1.603 χ^2/NDF : 532.5/18

Left In: -6.913+/-0.669 χ^2/NDF : 653.9/18

Left: -6.066+/-0.466 χ^2/NDF : 1518.5/39

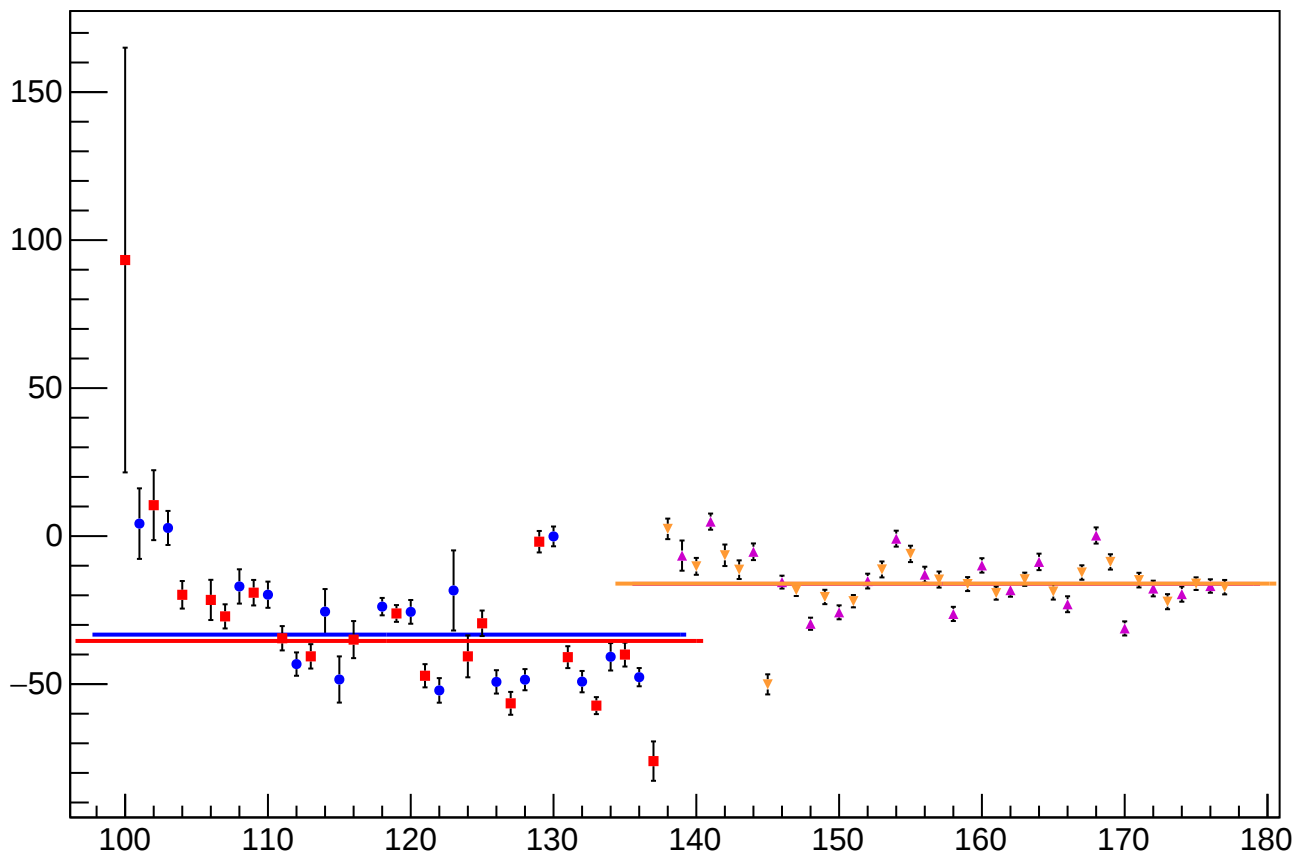
Right: 47.201+/-1.159 χ^2/NDF : 898.2/35

In: 0.975+/-0.621 χ^2/NDF : 2024.6/35

Out: 1.697+/-0.602 χ^2/NDF : 2210.4/39

All: 1.348+/-0.432 χ^2/NDF : 4235.7/75

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.049 ± 0.553 χ^2/NDF : 191.6/20

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

Left In: -16.141 ± 0.580 χ^2/NDF : 288.0/18

Left: -16.093 ± 0.400 χ^2/NDF : 479.6/39

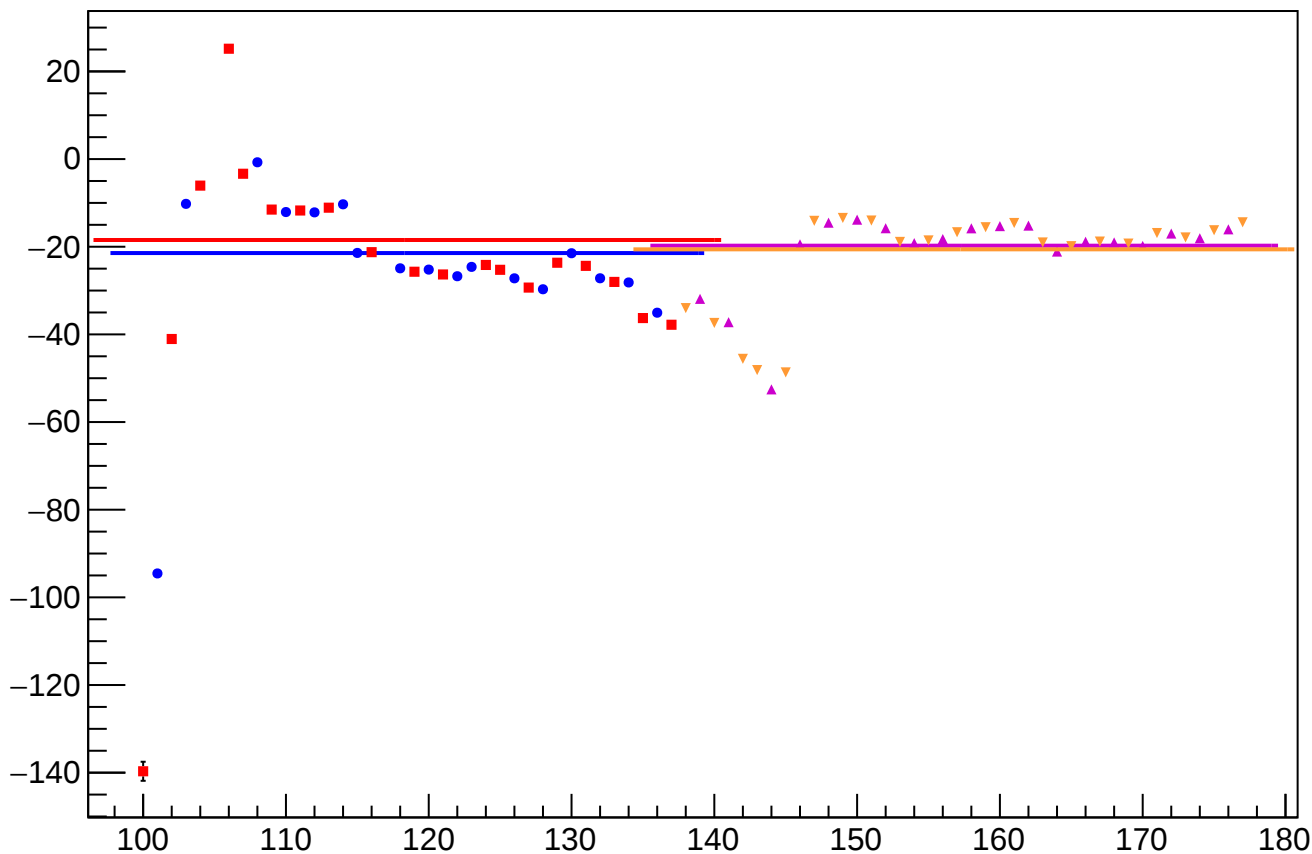
Right: -34.404 ± 0.719 χ^2/NDF : 582.0/35

In: -20.184 ± 0.507 χ^2/NDF : 784.3/35

Out: -20.652 ± 0.483 χ^2/NDF : 772.3/39

All: -20.429 ± 0.350 χ^2/NDF : 1557.1/75

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: -20.595 ± 0.026 $\chi^2/\text{NDF}: 135809.5/20$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

Left In: -19.760 ± 0.026 $\chi^2/\text{NDF}: 85968.7/18$

Left: -20.186 ± 0.018 $\chi^2/\text{NDF}: 222299.6/39$

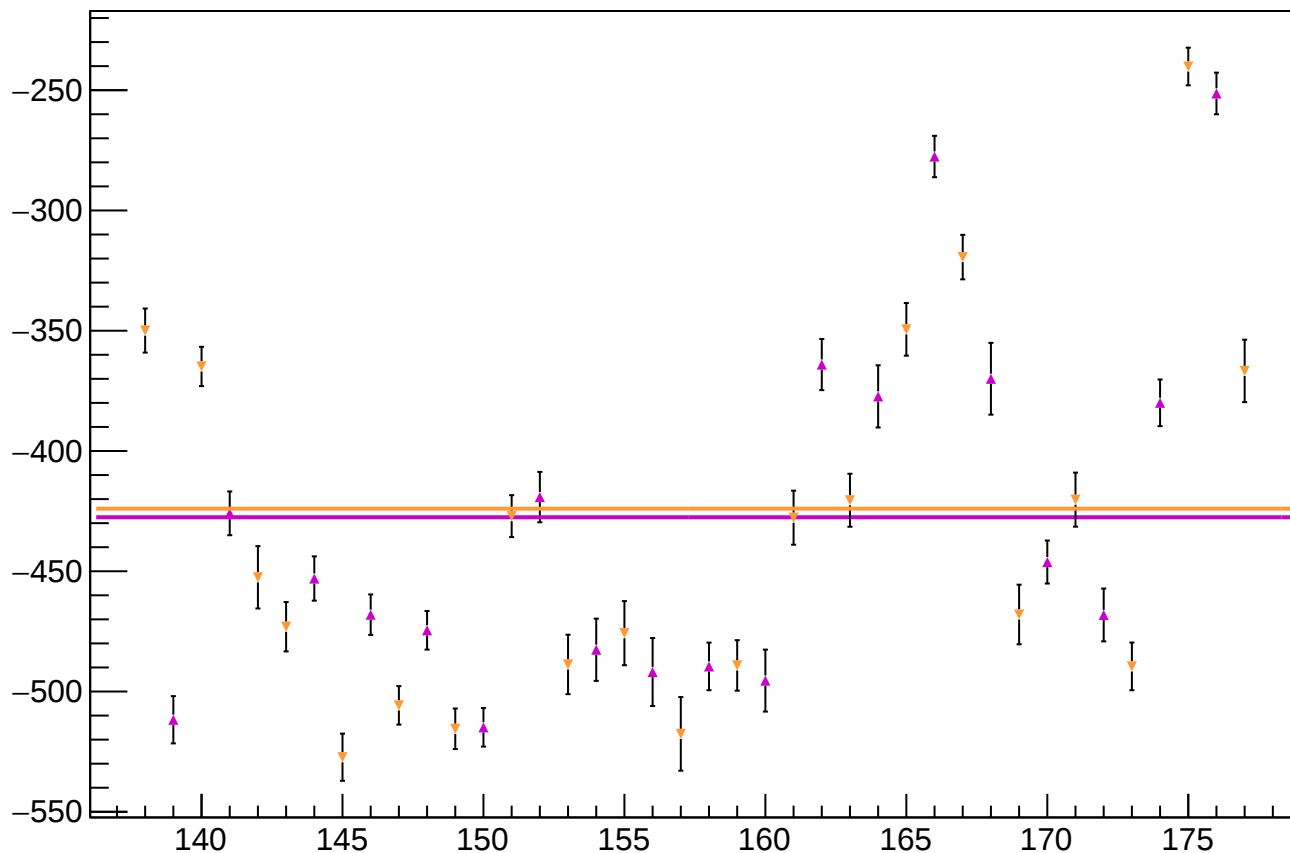
Right: -19.914 ± 0.041 $\chi^2/\text{NDF}: 130751.2/35$

In: -20.037 ± 0.024 $\chi^2/\text{NDF}: 135618.3/35$

Out: -20.242 ± 0.023 $\chi^2/\text{NDF}: 217431.6/39$

All: -20.141 ± 0.017 $\chi^2/\text{NDF}: 353087.5/75$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -423.975 $\pm$ 2.213 χ^2/NDF :1399.0/20

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

Left In: -427.543 $\pm$ 2.274 χ^2/NDF :1189.6/18

Left: -425.711 $\pm$ 1.586 χ^2/NDF : 2589.9/39

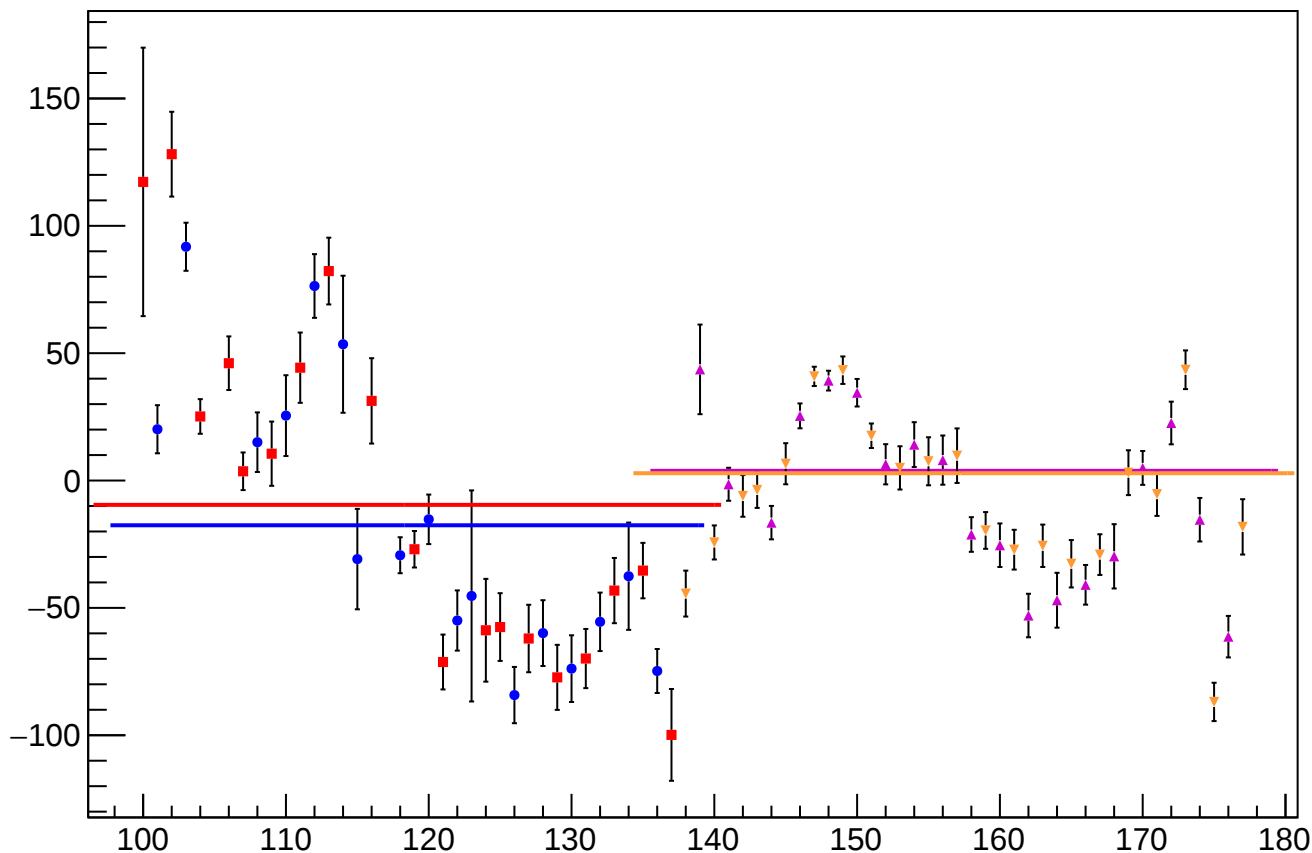
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -427.543 $\pm$ 2.274 χ^2/NDF :1189.6/18

Out: -423.975 $\pm$ 2.213 χ^2/NDF :1399.0/20

All: -425.711 $\pm$ 1.586 χ^2/NDF : 2589.9/39

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 2.877 ± 1.555 χ^2/NDF : 455.7/20

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

Left In: 3.803 ± 1.625 χ^2/NDF : 357.7/18

Left: 3.319 ± 1.124 χ^2/NDF : 813.6/39

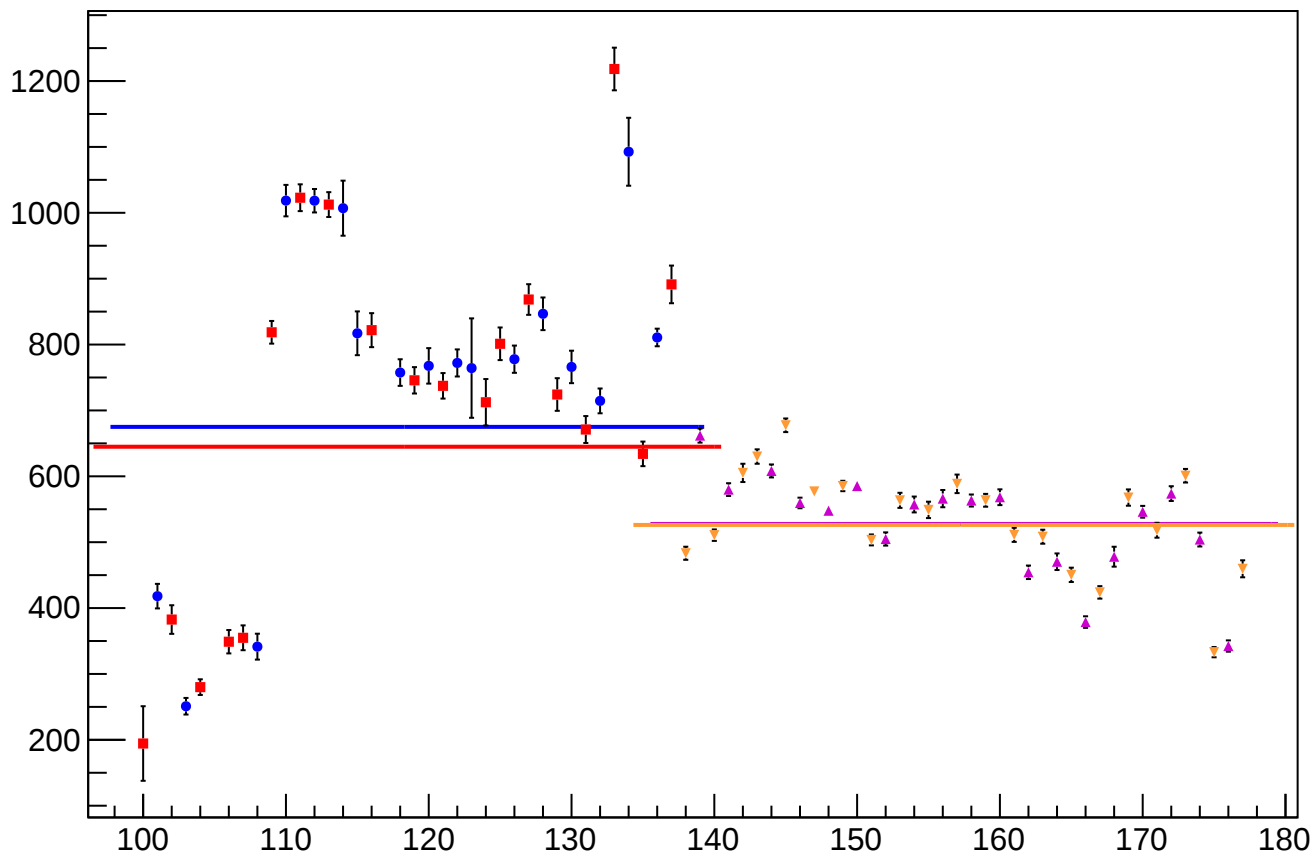
Right: -13.243 ± 1.915 χ^2/NDF : 738.4/35

In: -1.525 ± 1.408 χ^2/NDF : 764.5/35

Out: -0.381 ± 1.336 χ^2/NDF : 842.7/39

All: -0.923 ± 0.969 χ^2/NDF : 1607.6/75

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045+/-5.067 χ^2/NDF : 2584.3/16

Left Out: 526.192+/-2.194 χ^2/NDF :1388.1/20

Right Out: 644.915+/-4.761 χ^2/NDF : 3122.2/18

Left In: 527.650+/-2.243 χ^2/NDF :1248.6/18

Left: 526.905+/-1.569 χ^2/NDF : 2637.0/39

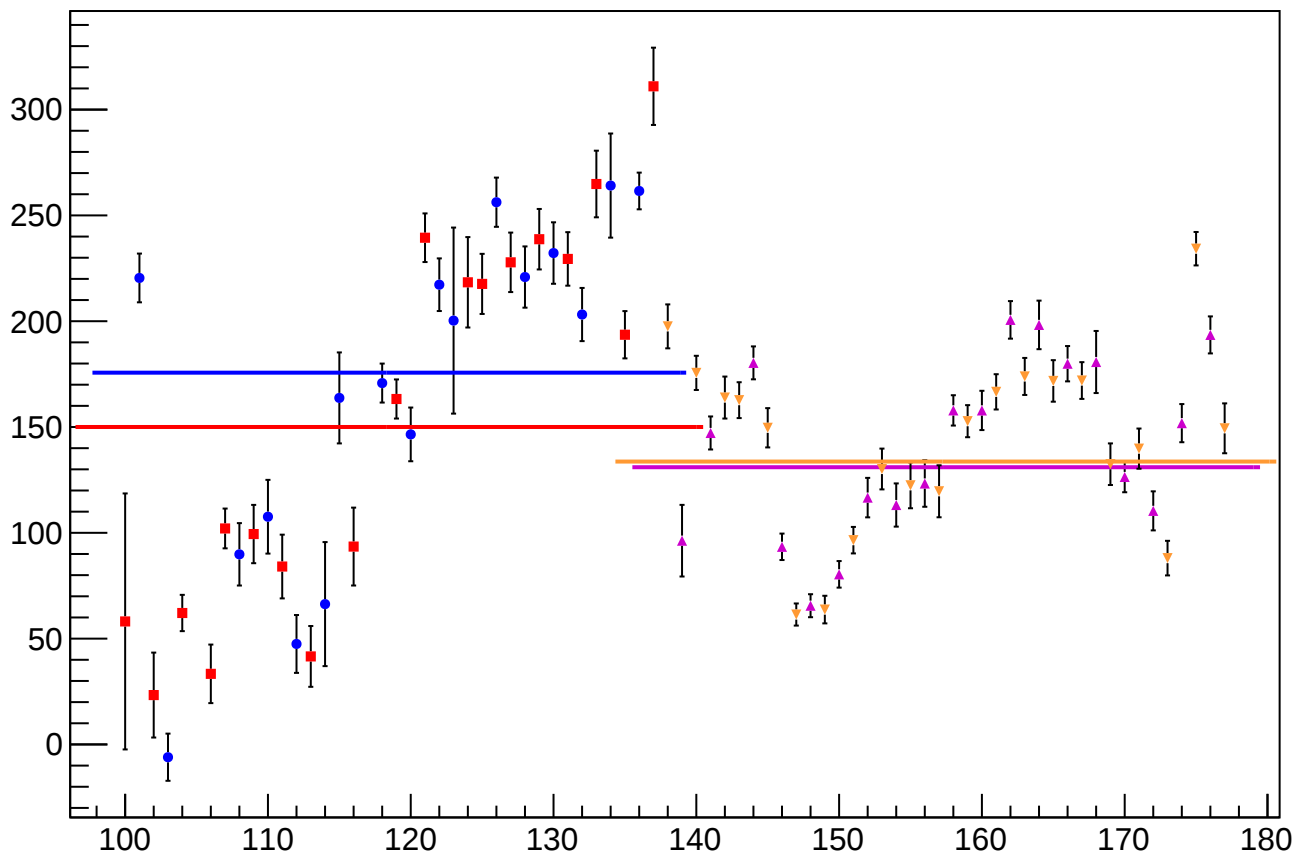
Right: 659.042+/-3.470 χ^2/NDF : 5725.3/35

In: 551.798+/-2.051 χ^2/NDF :4540.4/35

Out: 546.992+/-1.993 χ^2/NDF :5023.1/39

All: 549.326+/-1.429 χ^2/NDF : 9566.4/75

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: 133.678 $\pm$ 1.826 χ^2 /NDF: 705.8/20

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

Left In: 131.000 $\pm$ 1.899 χ^2 /NDF: 527.0/18

Left: 132.391 $\pm$ 1.316 χ^2 /NDF: 1233.8/39

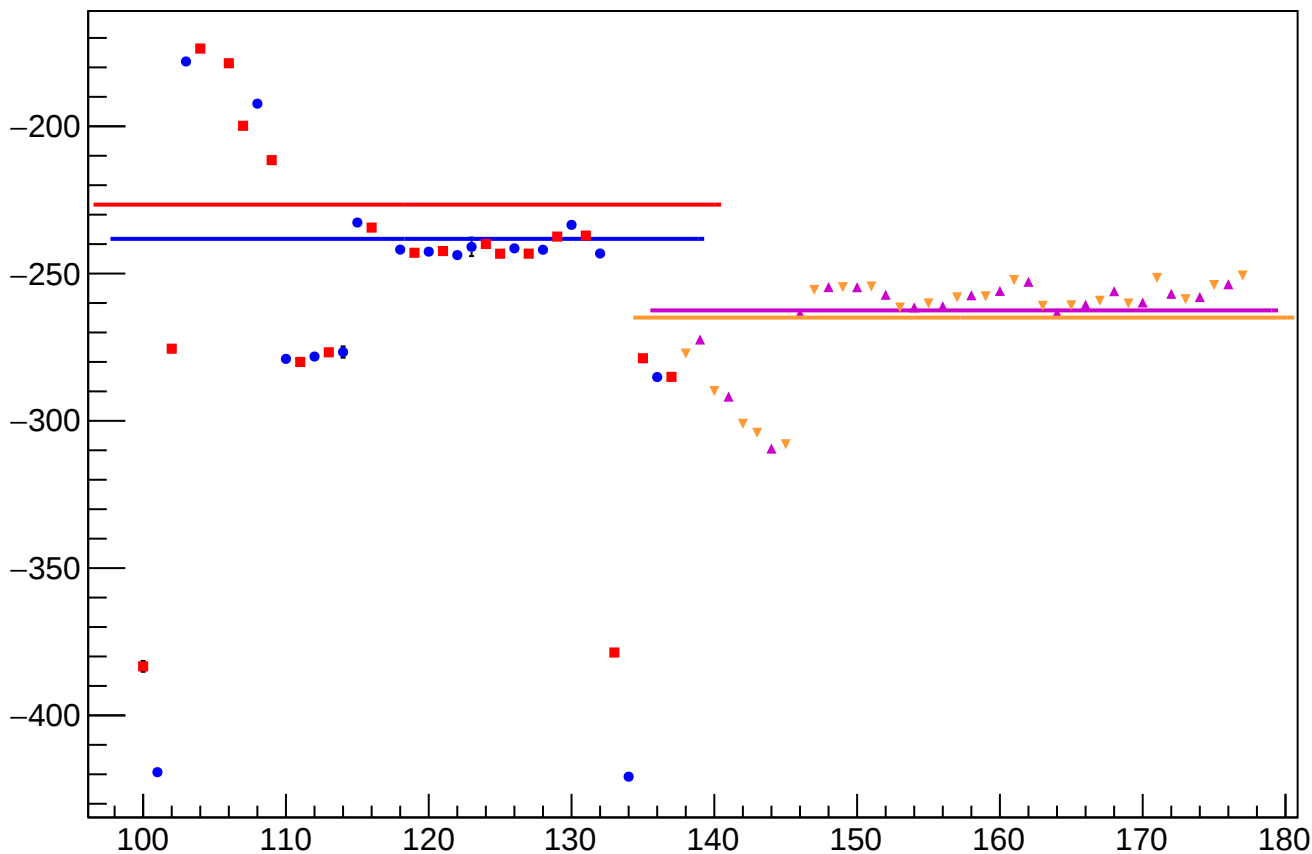
Right: 162.048 $\pm$ 2.217 χ^2 /NDF: 1365.0/35

In: 142.431 $\pm$ 1.638 χ^2 /NDF: 1306.5/35

Out: 138.006 $\pm$ 1.566 χ^2 /NDF: 1420.7/39

All: 140.118 $\pm$ 1.132 χ^2 /NDF: 2731.1/75

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217+/-0.160 χ^2 /NDF: 167120.0/16

Left Out: -264.948+/-0.088 χ^2 /NDF:36329.4/20

Right Out: -226.597+/-0.151 χ^2 /NDF: 102562.3/18

Left In: -262.508+/-0.089 χ^2 /NDF:21712.4/18

Left: -263.741+/-0.063 χ^2 /NDF: 58420.0/39

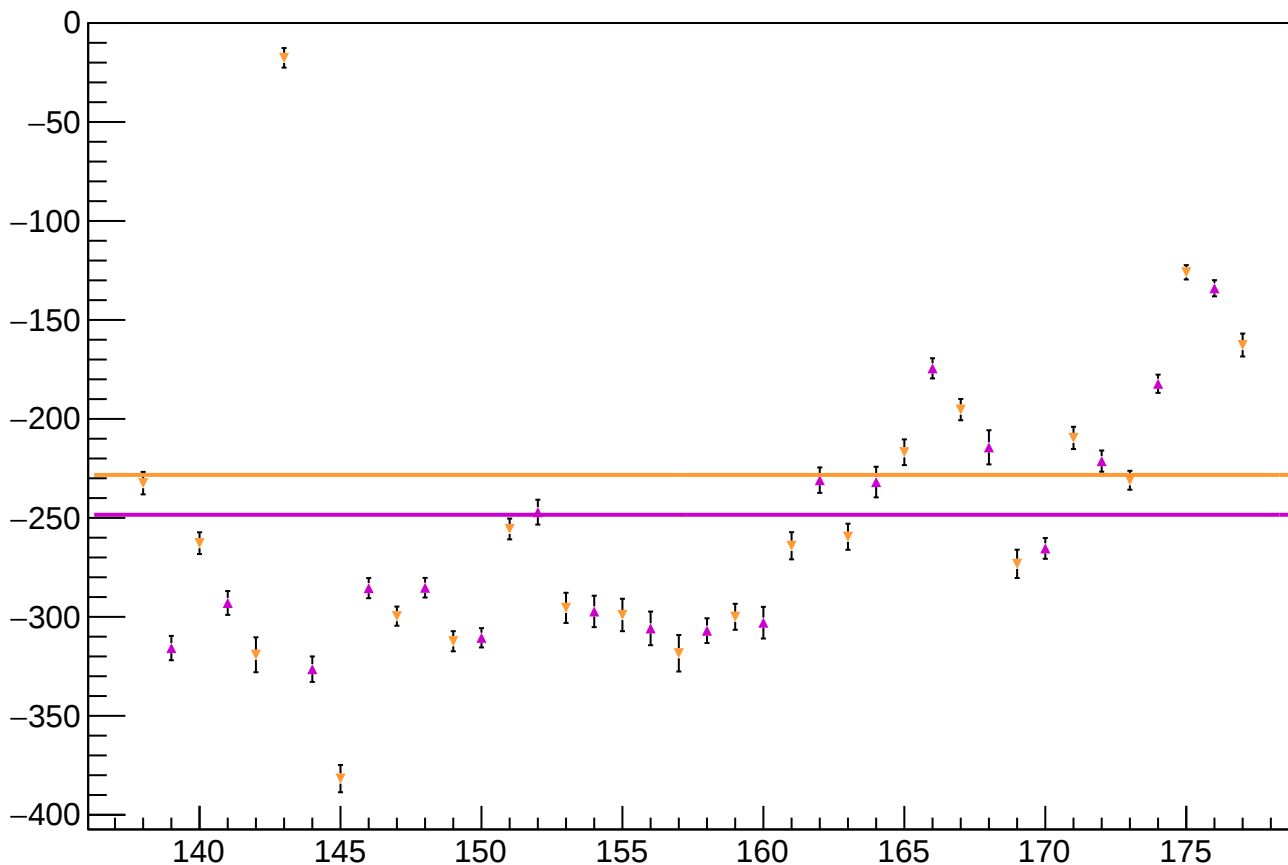
Right: -232.063+/-0.110 χ^2 /NDF: 272459.7/35

In: -256.773+/-0.078 χ^2 /NDF:206339.4/35

Out: -255.206+/-0.076 χ^2 /NDF:186866.7/39

All: -255.972+/-0.055 χ^2 /NDF: 393412.5/75

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -228.294 ± 1.263 $\chi^2/\text{NDF}: 4409.1/20$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -248.427 ± 1.328 $\chi^2/\text{NDF}: 2076.2/18$

Left: -237.854 ± 0.915 $\chi^2/\text{NDF}: 6606.0/39$

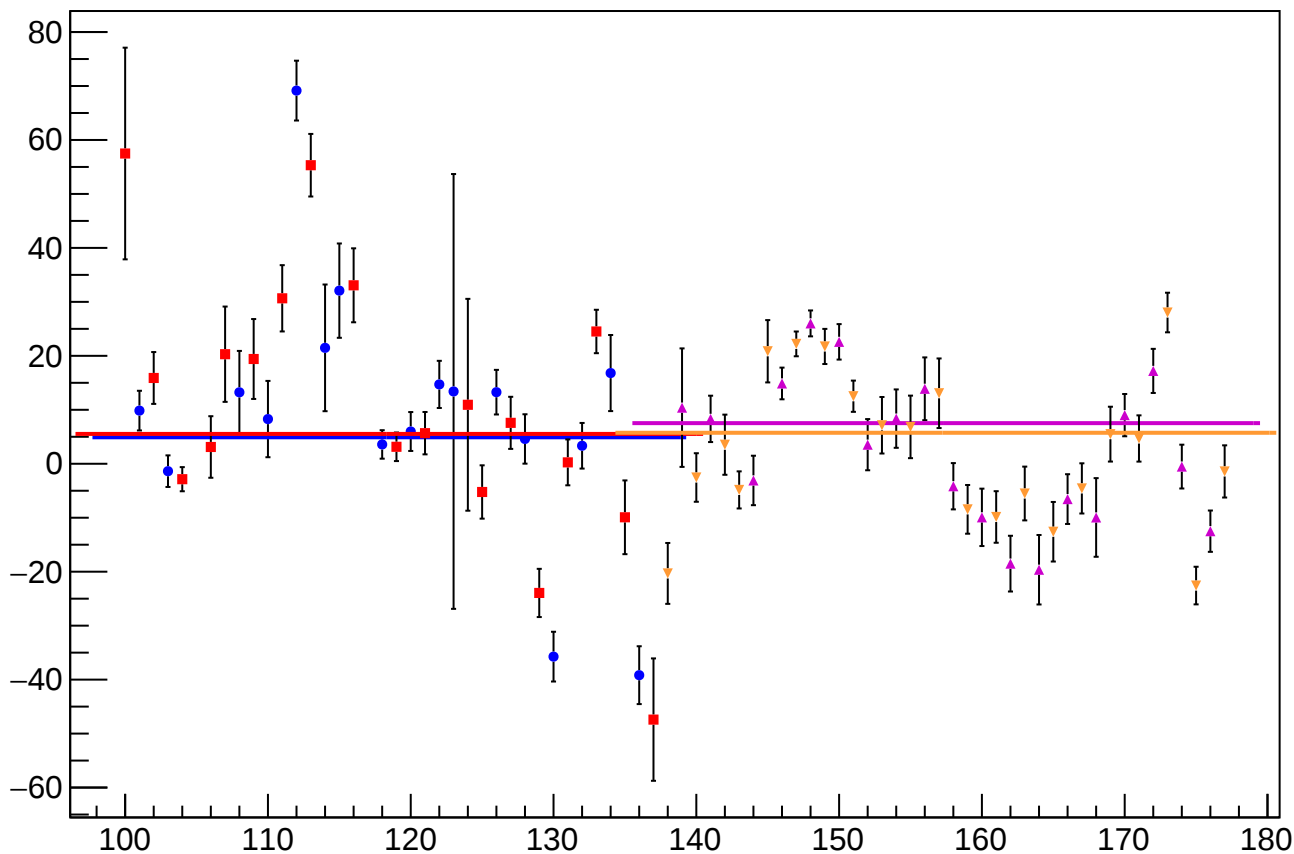
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -248.427 ± 1.328 $\chi^2/\text{NDF}: 2076.2/18$

Out: -228.294 ± 1.263 $\chi^2/\text{NDF}: 4409.1/20$

All: -237.854 ± 0.915 $\chi^2/\text{NDF}: 6606.0/39$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 5.741 ± 0.903 χ^2/NDF : 270.5/20

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

Left In: 7.528 ± 0.966 χ^2/NDF : 207.5/18

Left: 6.575 ± 0.660 χ^2/NDF : 479.8/39

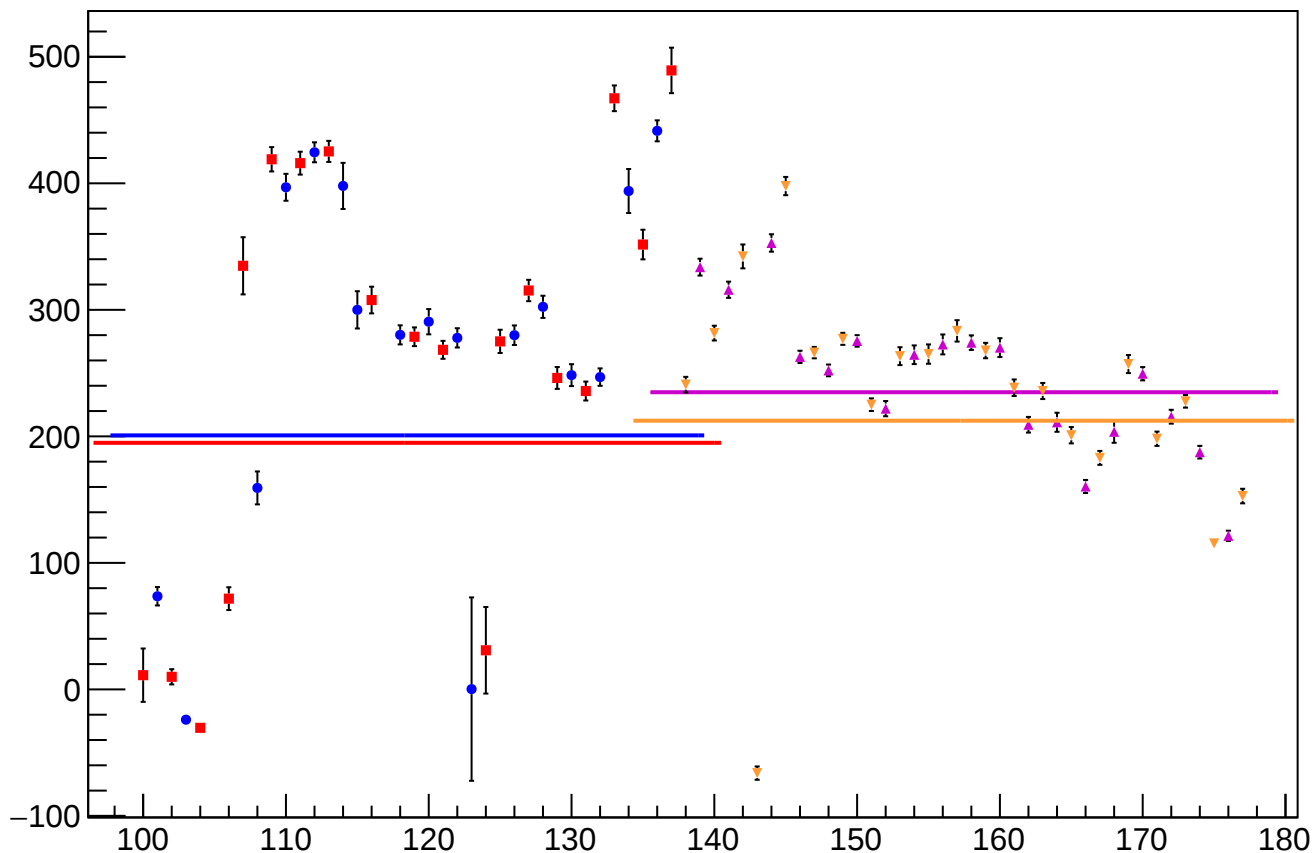
Right: 5.228 ± 0.768 χ^2/NDF : 550.7/35

In: 6.392 ± 0.727 χ^2/NDF : 522.4/35

Out: 5.653 ± 0.690 χ^2/NDF : 509.4/39

All: 6.003 ± 0.500 χ^2/NDF : 1032.3/75

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773 $\pm$ 1.983 χ^2/NDF : 6733.0/16

Left Out: 212.368 $\pm$ 1.254 χ^2/NDF : 5321.4/20

Right Out: 194.892 $\pm$ 1.924 χ^2/NDF : 8247.1/18

Left In: 234.881 $\pm$ 1.313 χ^2/NDF : 2055.9/18

Left: 223.107 $\pm$ 0.907 χ^2/NDF : 7531.0/39

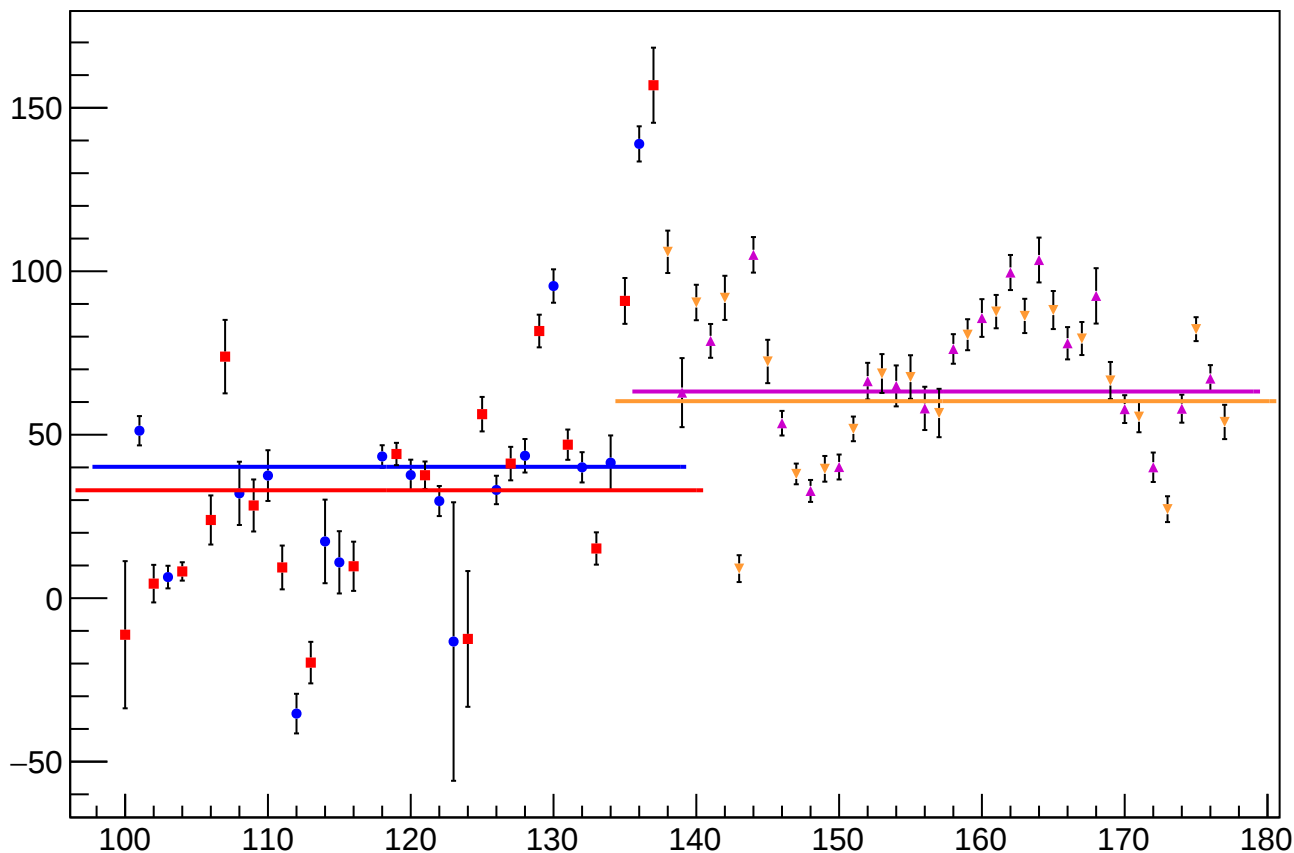
Right: 197.743 $\pm$ 1.381 χ^2/NDF : 14984.6/35

In: 224.484 $\pm$ 1.095 χ^2/NDF : 8994.5/35

Out: 207.156 $\pm$ 1.051 χ^2/NDF : 13626.4/39

All: 215.462 $\pm$ 0.758 χ^2/NDF : 22751.3/75

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: 60.262 ± 1.052 χ^2/NDF : 566.3/20

Right Out: 33.006 ± 1.250 χ^2/NDF : 552.7/18

Left In: 63.218 ± 1.121 χ^2/NDF : 349.6/18

Left: 61.646 ± 0.767 χ^2/NDF : 919.6/39

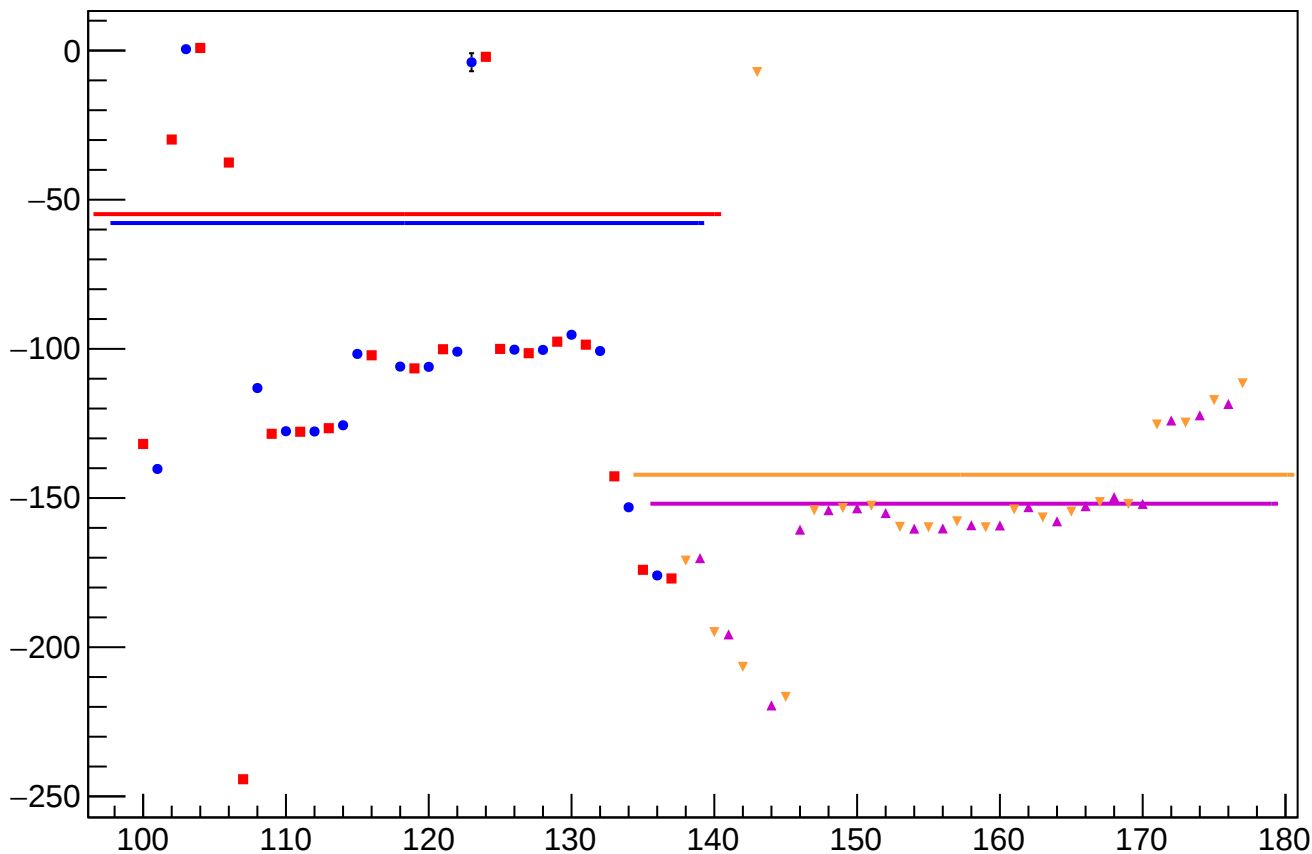
Right: 36.503 ± 0.896 χ^2/NDF : 1303.3/35

In: 53.252 ± 0.844 χ^2/NDF : 1267.0/35

Out: 48.968 ± 0.805 χ^2/NDF : 1397.3/39

All: 51.008 ± 0.582 χ^2/NDF : 2677.7/75

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821+/-0.062 χ^2/NDF : 1101296.2/16

Left Out: -142.201+/-0.051 χ^2/NDF : 654828.5/20

Right Out: -54.833+/-0.060 χ^2/NDF : 1000741.7/18

Left In: -151.900+/-0.052 χ^2/NDF : 171465.4/18

Left: -146.895+/-0.036 χ^2/NDF : 844136.4/39

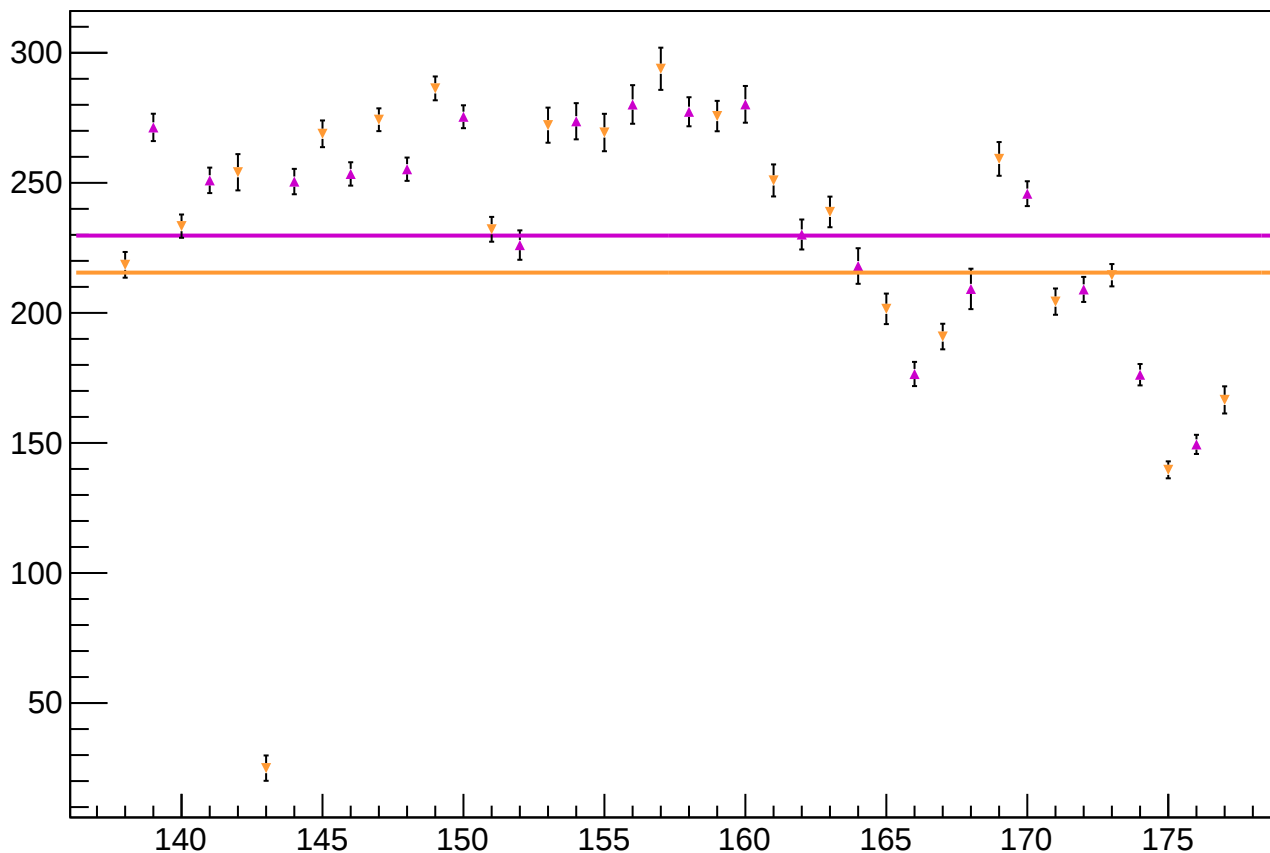
Right: -56.289+/-0.043 χ^2/NDF : 2103236.7/35

In: -112.754+/-0.040 χ^2/NDF : 2626439.2/35

Out: -106.120+/-0.039 χ^2/NDF : 2890657.5/39

All: -109.340+/-0.028 χ^2/NDF : 5531354.9/75

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: 215.492+/-1.122 χ^2/NDF :3201.4/20

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

Left In: 229.726+/-1.173 χ^2/NDF :1292.9/18

Left: 222.294+/-0.811 χ^2/NDF : 4571.2/39

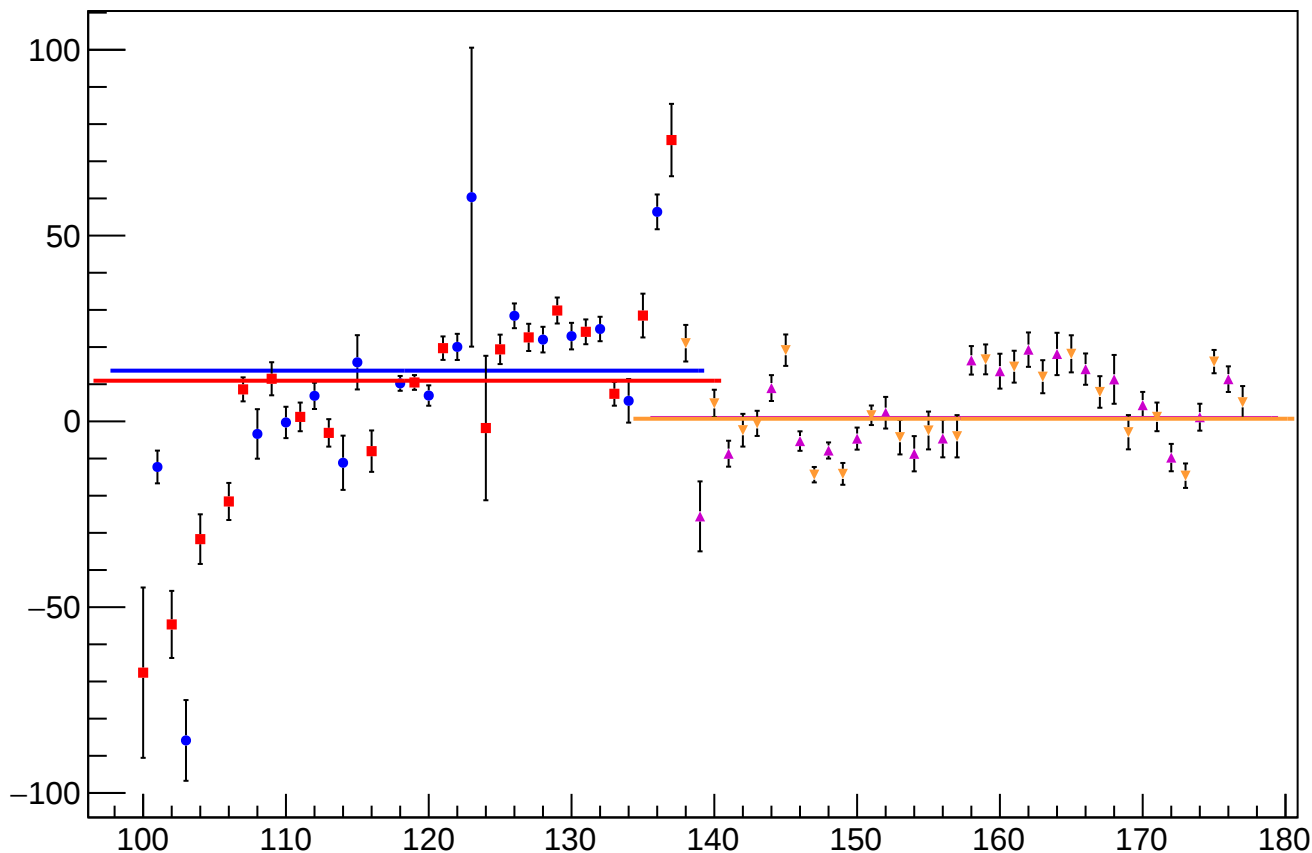
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 229.726+/-1.173 χ^2/NDF :1292.9/18

Out: 215.492+/-1.122 χ^2/NDF :3201.4/20

All: 222.294+/-0.811 χ^2/NDF : 4571.2/39

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: 0.711 ± 0.805 χ^2/NDF : 213.9/20

Right Out: 10.944 ± 0.913 χ^2/NDF : 302.5/18

Left In: 0.915 ± 0.855 χ^2/NDF : 130.8/18

Left: 0.807 ± 0.586 χ^2/NDF : 344.7/39

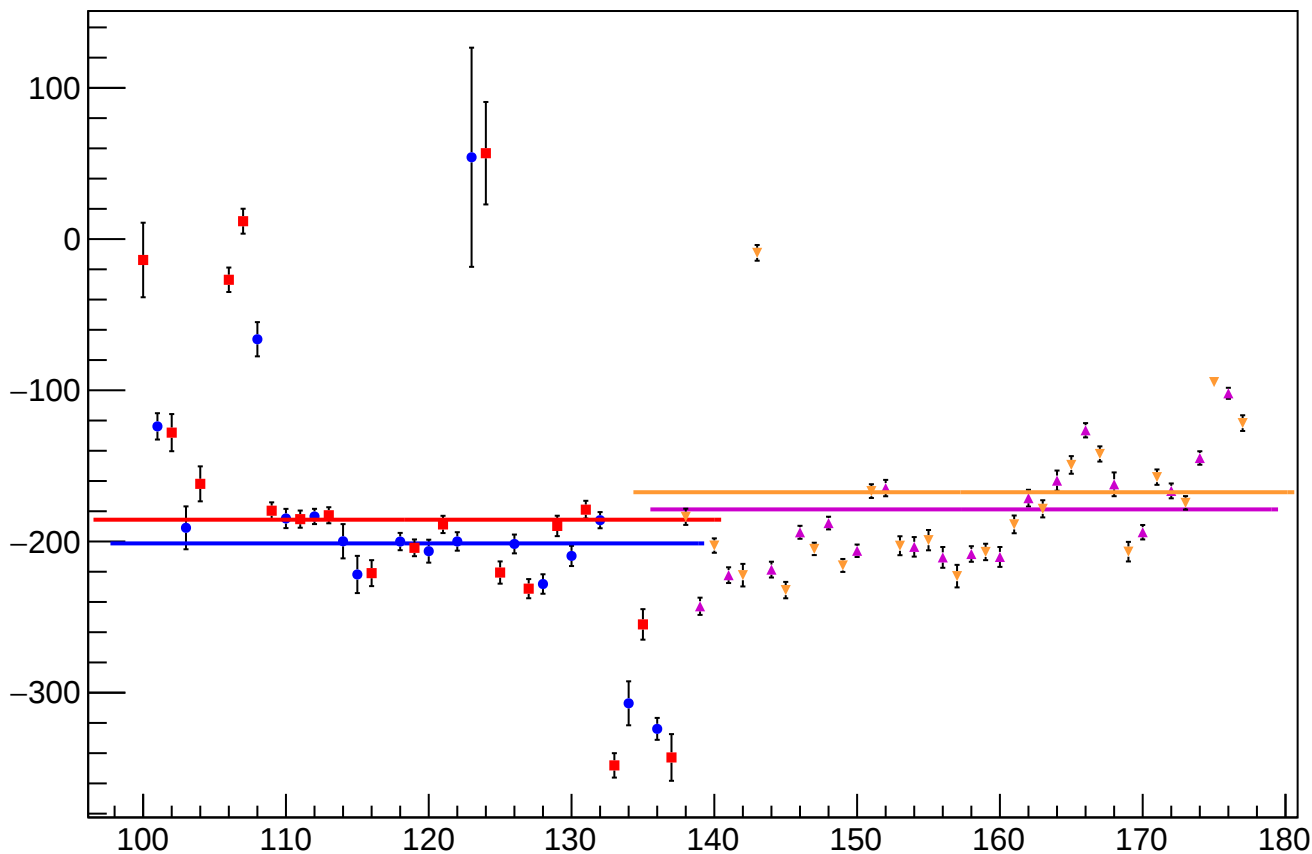
Right: 12.264 ± 0.654 χ^2/NDF : 600.9/35

In: 6.706 ± 0.631 χ^2/NDF : 525.7/35

Out: 5.188 ± 0.604 χ^2/NDF : 587.0/39

All: 5.914 ± 0.436 χ^2/NDF : 1115.8/75

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -167.415 ± 1.116 χ^2/NDF : 2235.7/20

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

Left In: -178.776 ± 1.162 χ^2/NDF : 1068.2/18

Left: -172.866 ± 0.805 χ^2/NDF : 3353.6/39

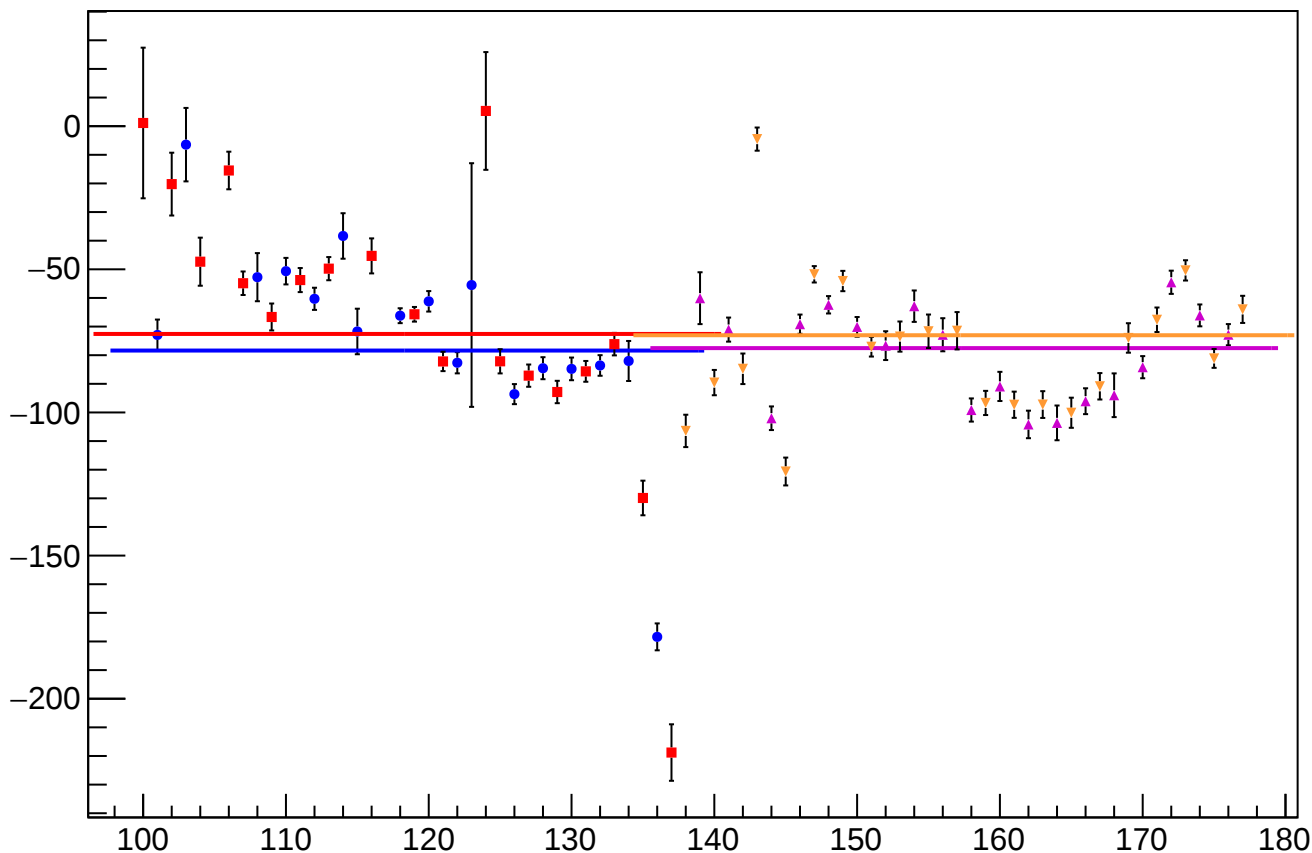
Right: -192.999 ± 1.234 χ^2/NDF : 2409.6/35

In: -185.416 ± 0.976 χ^2/NDF : 1802.2/35

Out: -172.893 ± 0.933 χ^2/NDF : 4061.7/39

All: -178.874 ± 0.674 χ^2/NDF : 5950.0/75

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: -73.027 ± 0.938 χ^2/NDF : 701.6/20

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

Left In: -77.527 ± 0.992 χ^2/NDF : 236.7/18

Left: -75.151 ± 0.681 χ^2/NDF : 949.1/39

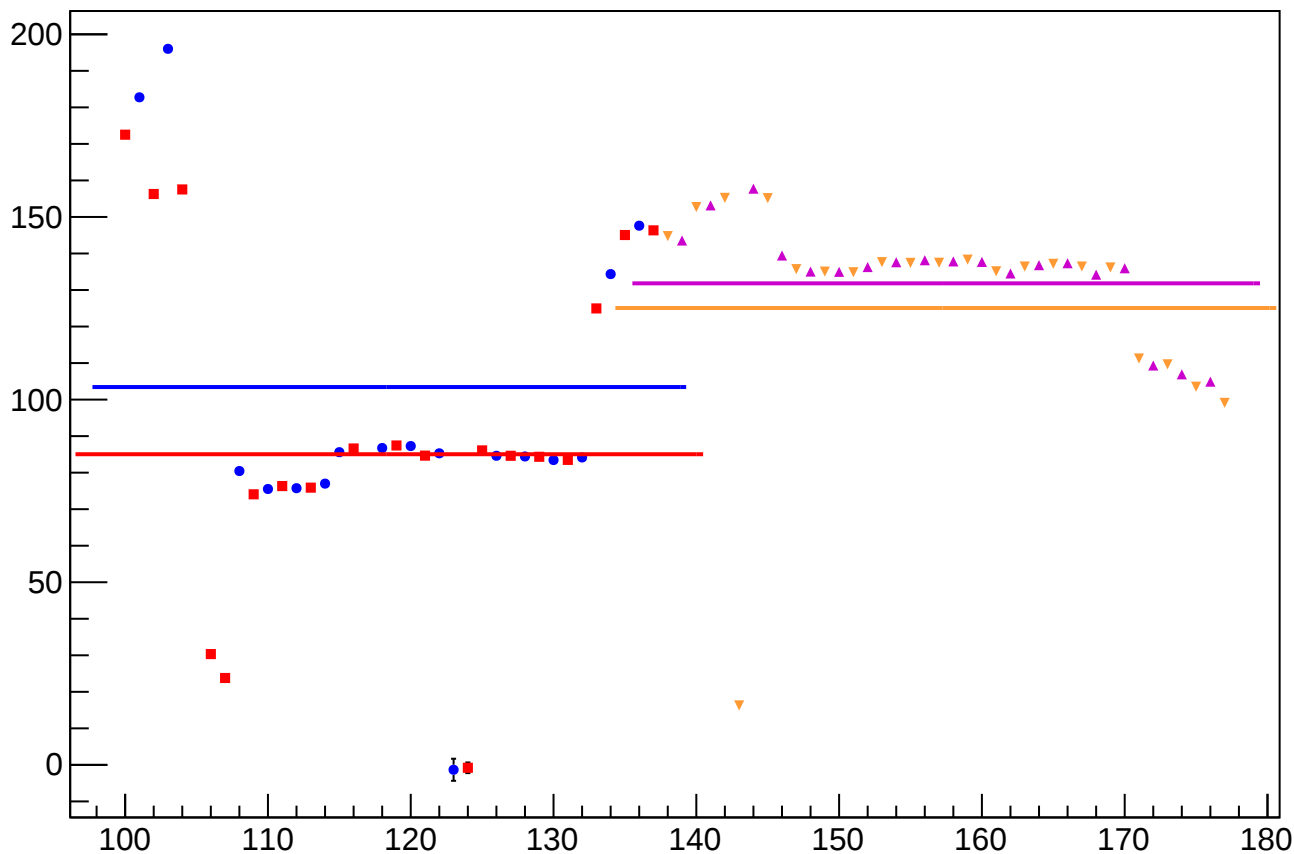
Right: -75.395 ± 0.754 χ^2/NDF : 1272.0/35

In: -77.915 ± 0.731 χ^2/NDF : 888.4/35

Out: -72.828 ± 0.700 χ^2/NDF : 1307.6/39

All: -75.261 ± 0.505 χ^2/NDF : 2221.2/75

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: 125.079 $\pm$ 0.045 χ^2/NDF :413581.9/20

Right Out: 85.043 $\pm$ 0.064 χ^2/NDF : 422343.0/18

Left In: 131.825 $\pm$ 0.046 χ^2/NDF :100829.6/18

Left: 128.361 $\pm$ 0.032 χ^2/NDF : 525386.6/39

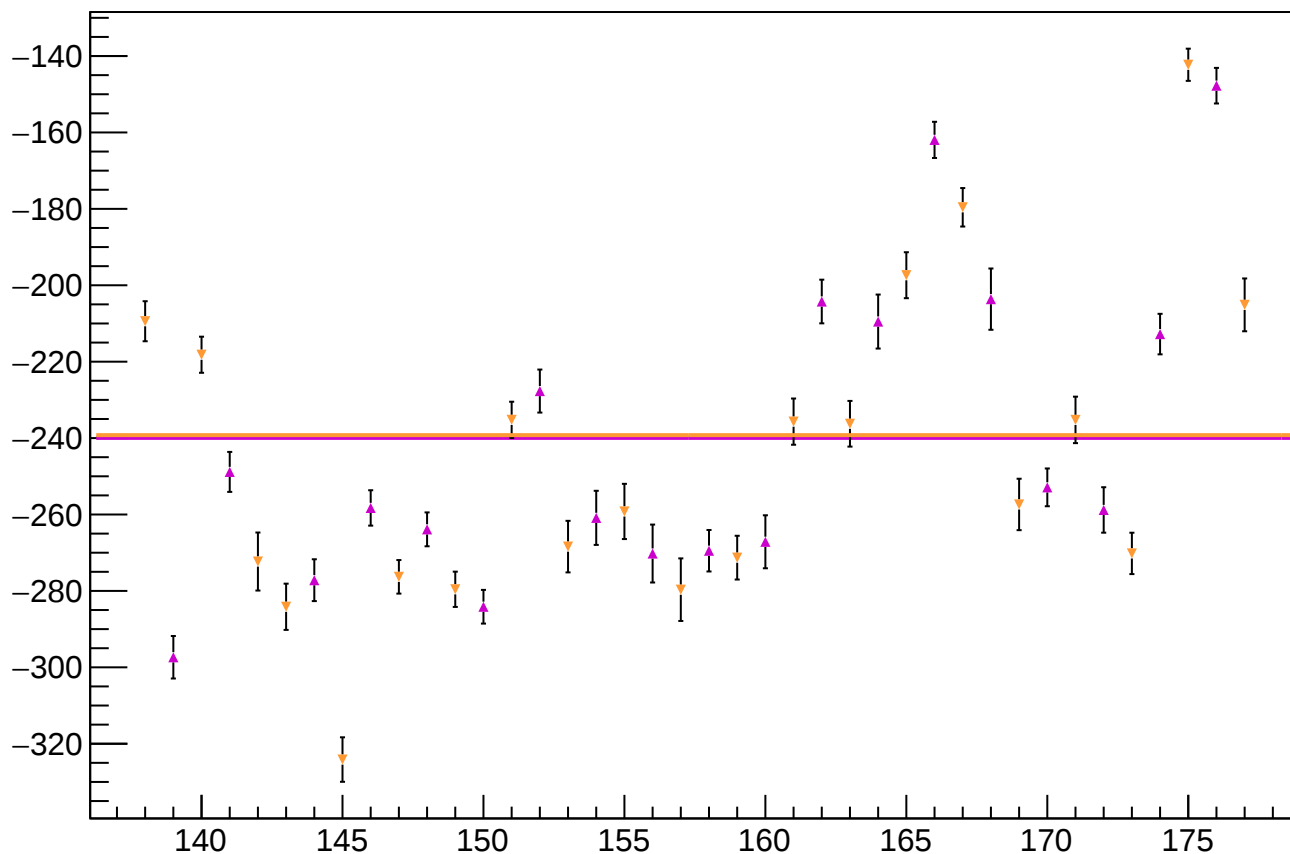
Right: 93.267 $\pm$ 0.047 χ^2/NDF : 732362.9/35

In: 123.374 $\pm$ 0.039 χ^2/NDF :486284.6/35

Out: 111.796 $\pm$ 0.037 χ^2/NDF :1099560.2/39

All: 117.285 $\pm$ 0.027 χ^2/NDF : 1632990.3/75

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: -239.226+/-1.224 χ^2/NDF :1353.2/20

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

Left In: -239.942+/-1.254 χ^2/NDF :1159.7/18

Left: -239.576+/-0.876 χ^2/NDF : 2513.0/39

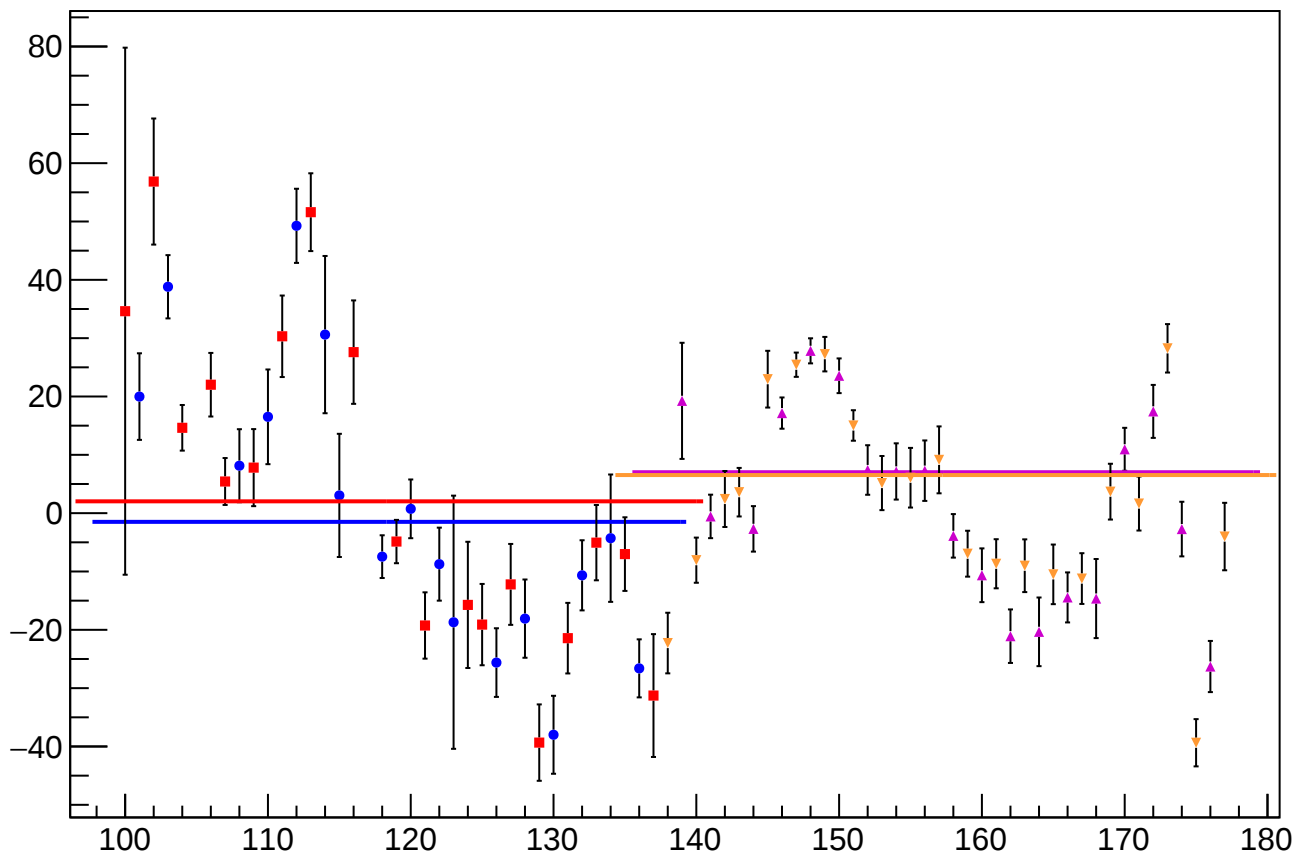
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -239.942+/-1.254 χ^2/NDF :1159.7/18

Out: -239.226+/-1.224 χ^2/NDF :1353.2/20

All: -239.576+/-0.876 χ^2/NDF : 2513.0/39

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 6.534 ± 0.859 $\chi^2/\text{NDF}: 425.2/20$

Right Out: 2.028 ± 1.400 $\chi^2/\text{NDF}: 233.3/18$

Left In: 7.019 ± 0.897 $\chi^2/\text{NDF}: 336.9/18$

Left: 6.766 ± 0.620 $\chi^2/\text{NDF}: 762.2/39$

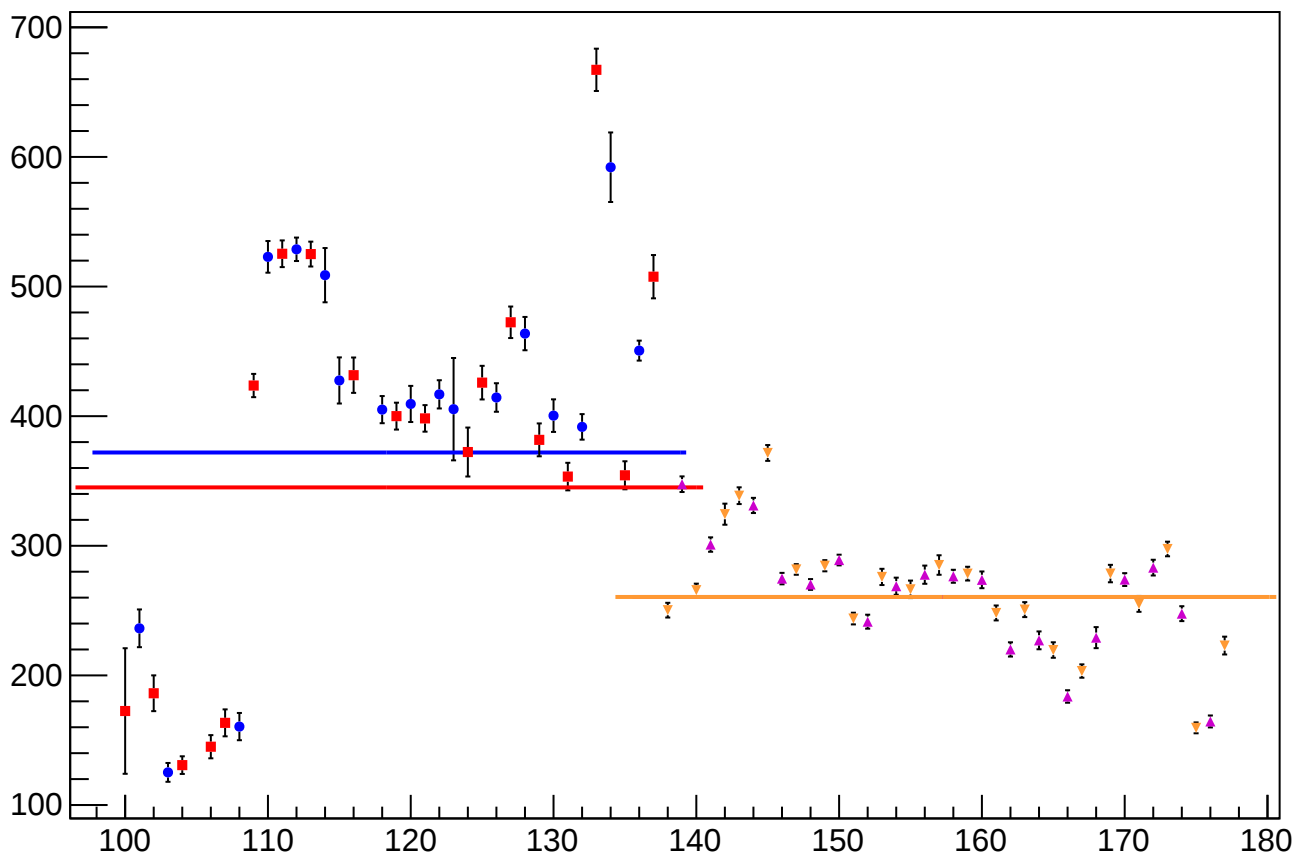
Right: 0.432 ± 1.035 $\chi^2/\text{NDF}: 462.1/35$

In: 4.856 ± 0.774 $\chi^2/\text{NDF}: 585.7/35$

Out: 5.300 ± 0.732 $\chi^2/\text{NDF}: 666.0/39$

All: 5.091 ± 0.532 $\chi^2/\text{NDF}: 1251.9/75$

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: 260.511+/-1.210 χ^2/NDF :1478.7/20

Right Out: 345.043+/-2.562 χ^2/NDF : 3415.2/18

Left In: 260.497+/-1.235 χ^2/NDF :1310.8/18

Left: 260.504+/-0.864 χ^2/NDF : 2789.6/39

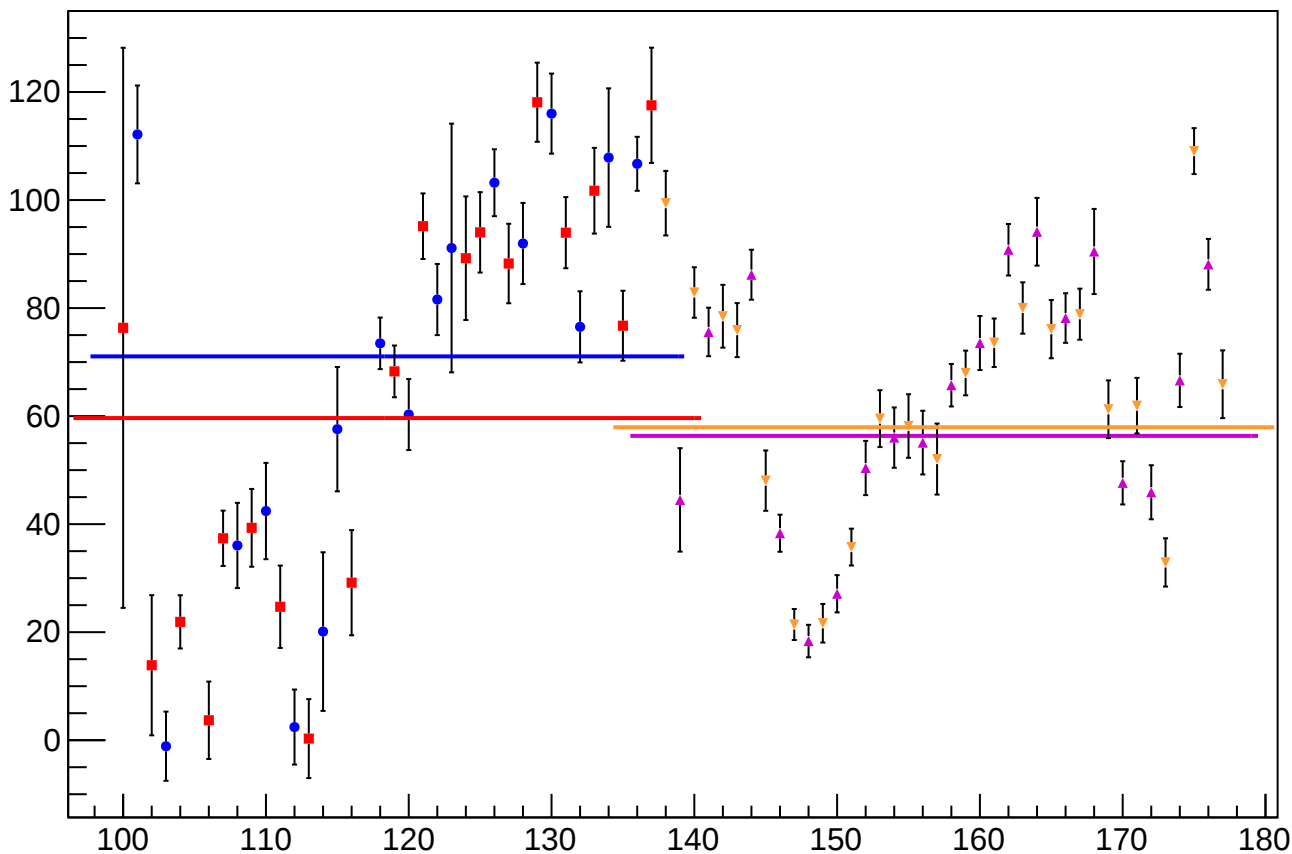
Right: 357.423+/-1.883 χ^2/NDF : 5898.6/35

In: 278.890+/-1.128 χ^2/NDF :5088.4/35

Out: 275.931+/-1.094 χ^2/NDF :5783.9/39

All: 277.365+/-0.786 χ^2/NDF : 10875.8/75

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 57.941 $\pm$ 1.008 χ^2 /NDF:662.7/20

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

Left In: 56.342 $\pm$ 1.046 χ^2 /NDF:528.2/18

Left: 57.171 $\pm$ 0.726 χ^2 /NDF: 1192.1/39

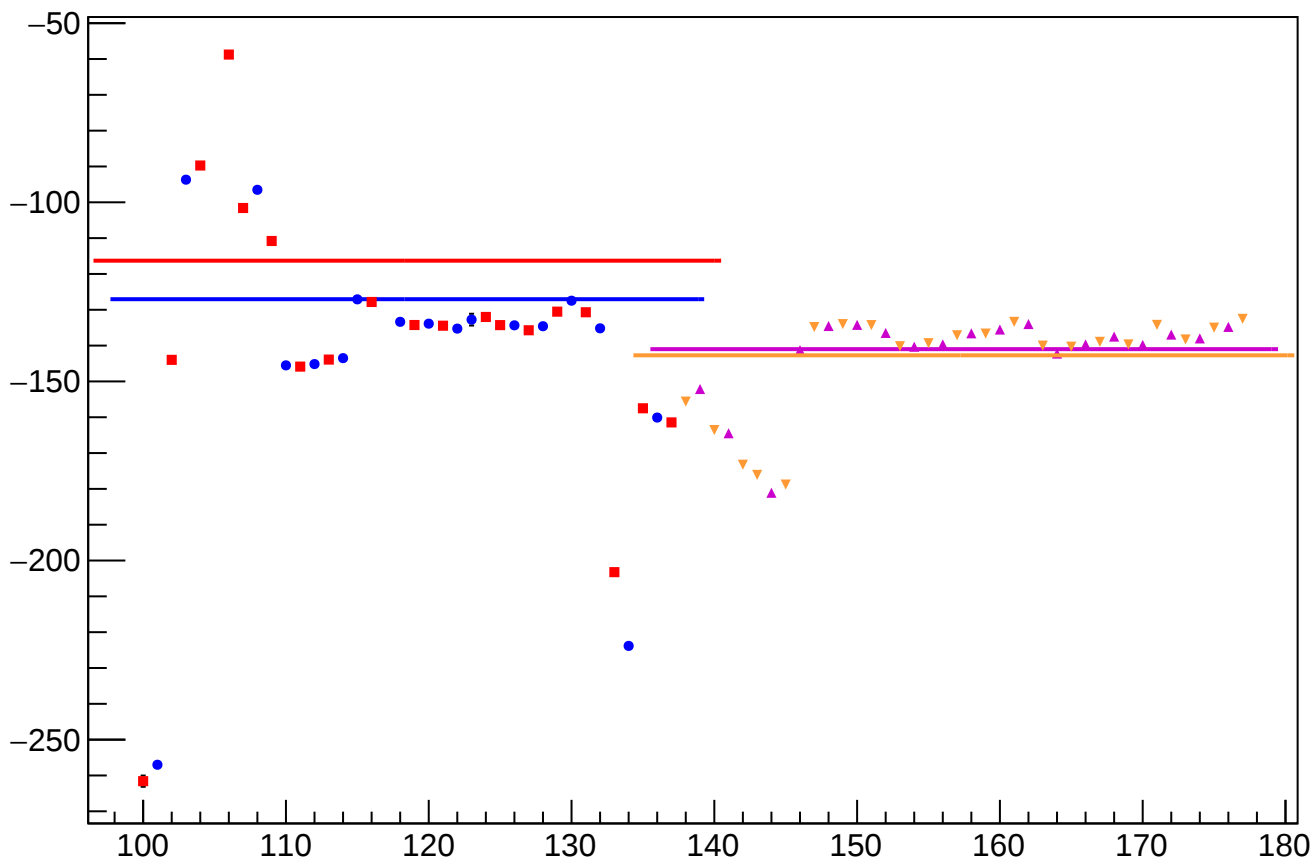
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 60.171 $\pm$ 0.900 χ^2 /NDF:1005.9/35

Out: 58.409 $\pm$ 0.857 χ^2 /NDF:1155.1/39

All: 59.247 $\pm$ 0.621 χ^2 /NDF: 2163.0/75

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2 /NDF: 167014.4/16

Left Out: -142.712+/-0.049 χ^2 /NDF:74854.3/20

Right Out: -116.295+/-0.083 χ^2 /NDF: 167109.1/18

Left In: -140.992+/-0.049 χ^2 /NDF:45253.2/18

Left: -141.860+/-0.035 χ^2 /NDF: 120727.9/39

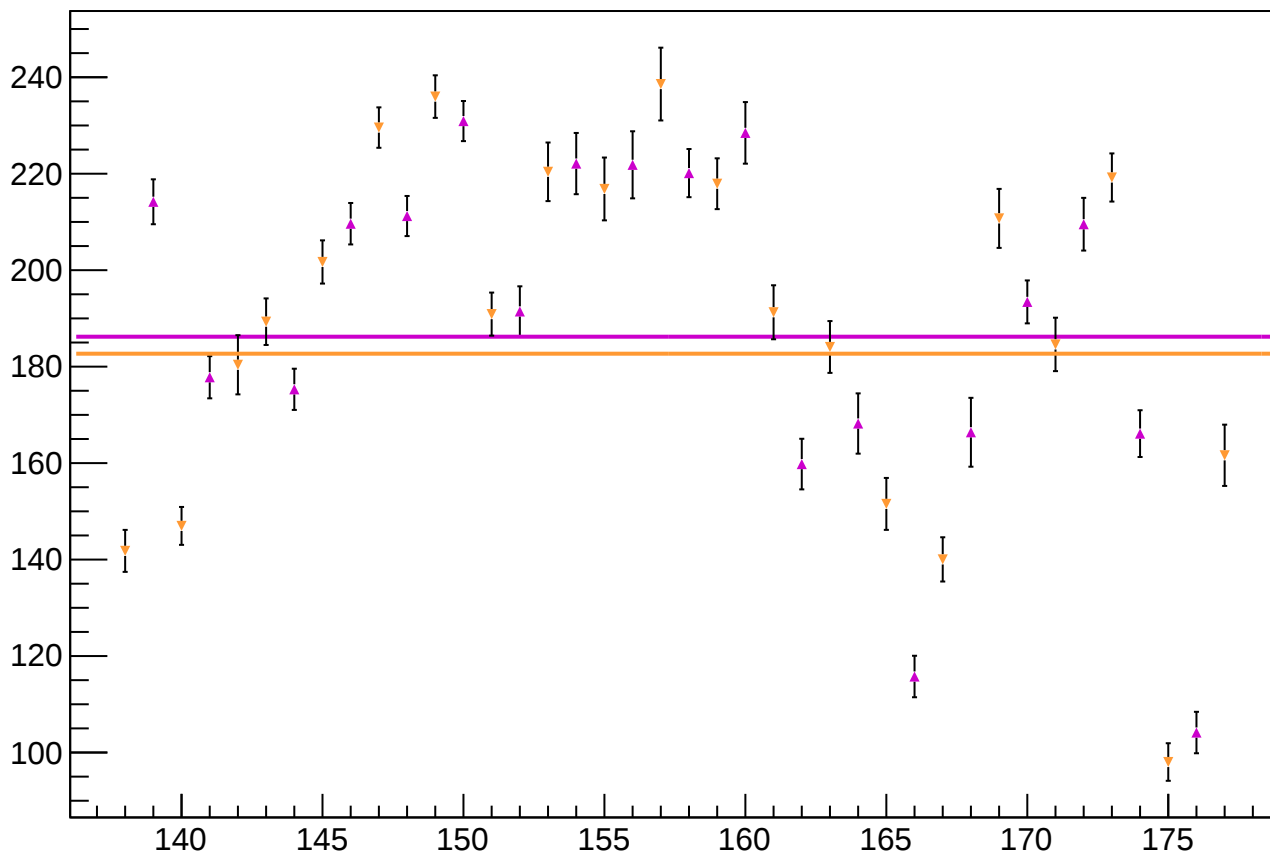
Right: -121.250+/-0.061 χ^2 /NDF: 341860.6/35

In: -137.786+/-0.043 χ^2 /NDF:230841.5/35

Out: -135.961+/-0.042 χ^2 /NDF:317403.8/39

All: -136.850+/-0.030 χ^2 /NDF: 549167.2/75

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: 182.685+/-1.092 χ^2/NDF :1311.6/20

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

Left In: 186.208+/-1.128 χ^2/NDF :1089.4/18

Left: 184.390+/-0.785 χ^2/NDF : 2406.1/39

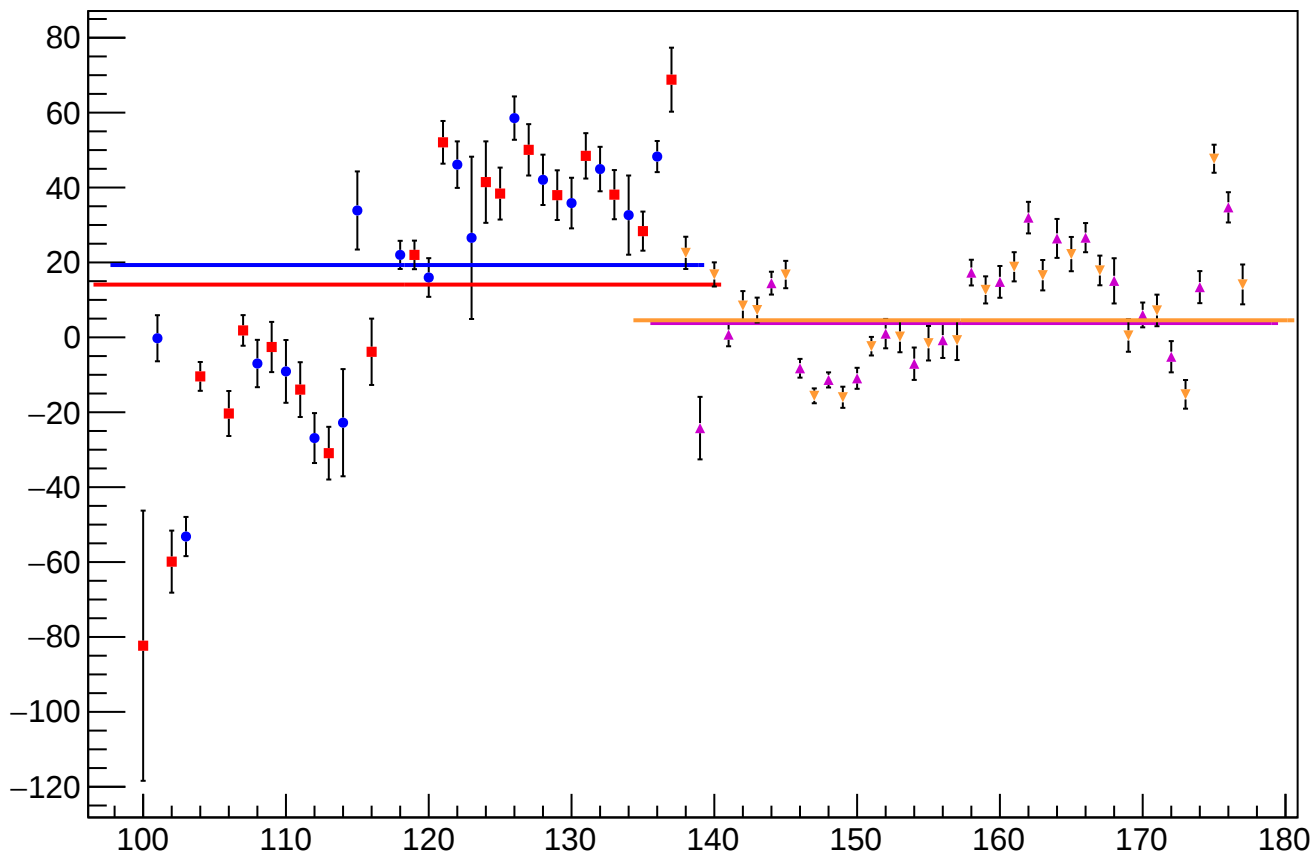
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 186.208+/-1.128 χ^2/NDF :1089.4/18

Out: 182.685+/-1.092 χ^2/NDF :1311.6/20

All: 184.390+/-0.785 χ^2/NDF : 2406.1/39

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 $\chi^2/\text{NDF}: 441.3/16$

Left Out: 4.556 ± 0.775 $\chi^2/\text{NDF}: 430.0/20$

Right Out: 14.083 ± 1.390 $\chi^2/\text{NDF}: 436.9/18$

Left In: 3.822 ± 0.813 $\chi^2/\text{NDF}: 331.8/18$

Left: 4.206 ± 0.561 $\chi^2/\text{NDF}: 762.2/39$

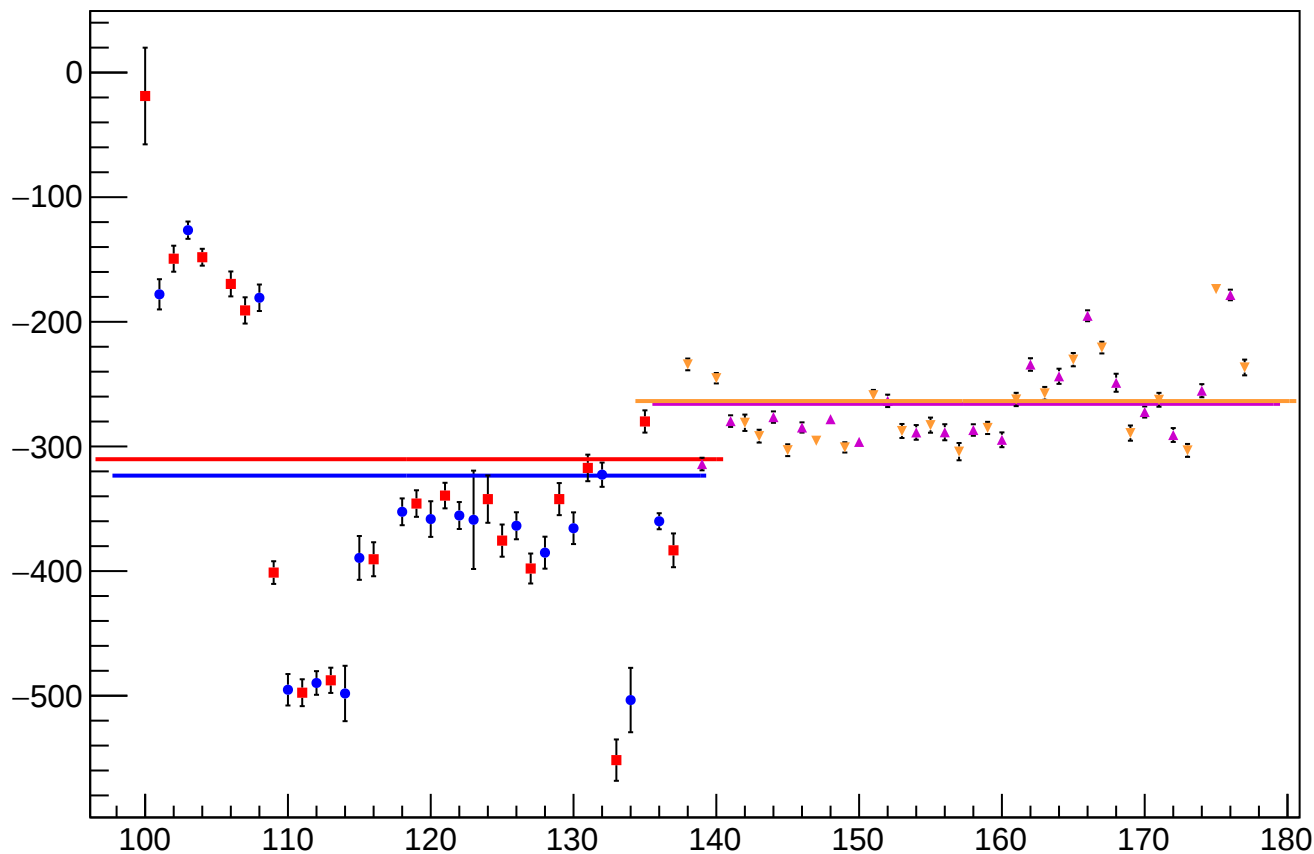
Right: 16.496 ± 1.020 $\chi^2/\text{NDF}: 884.7/35$

In: 7.340 ± 0.715 $\chi^2/\text{NDF}: 855.4/35$

Out: 6.818 ± 0.677 $\chi^2/\text{NDF}: 902.7/39$

All: 7.064 ± 0.492 $\chi^2/\text{NDF}: 1758.4/75$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 2.684 χ^2/NDF : 1849.6/16

Left Out: -263.580 $\pm$ 1.086 χ^2/NDF : 1146.1/20

Right Out: -310.236 $\pm$ 2.523 χ^2/NDF : 2298.8/18

Left In: -265.807 $\pm$ 1.115 χ^2/NDF : 1037.4/18

Left: -264.664 $\pm$ 0.778 χ^2/NDF : 2185.5/39

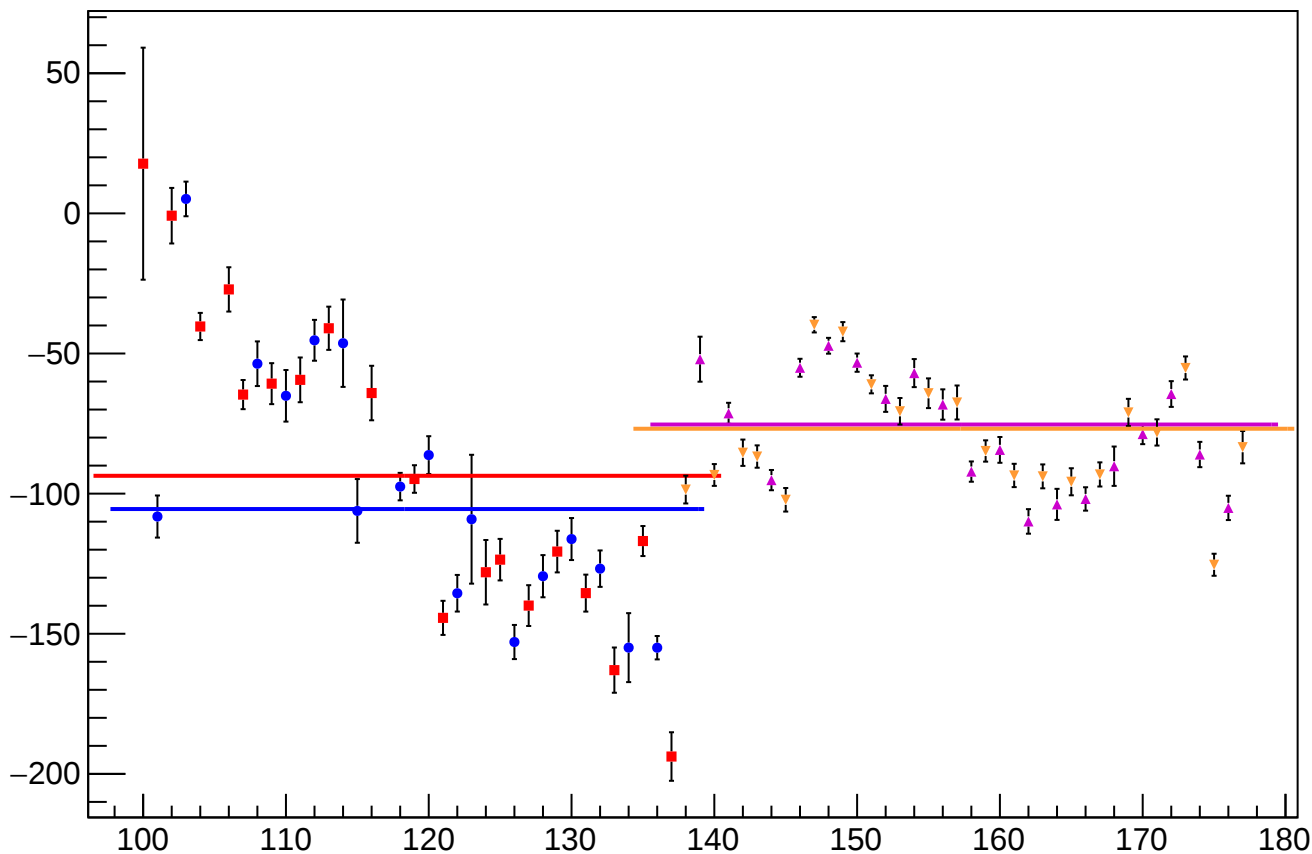
Right: -316.413 $\pm$ 1.838 χ^2/NDF : 4161.2/35

In: -274.283 $\pm$ 1.030 χ^2/NDF : 3279.7/35

Out: -270.873 $\pm$ 0.998 χ^2/NDF : 3733.3/39

All: -272.524 $\pm$ 0.716 χ^2/NDF : 7018.7/75

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 ± 1.712 $\chi^2/\text{NDF}: 737.3/16$

Left Out: -76.847 ± 0.907 $\chi^2/\text{NDF}: 652.6/20$

Right Out: -93.637 ± 1.610 $\chi^2/\text{NDF}: 827.1/18$

Left In: -75.345 ± 0.947 $\chi^2/\text{NDF}: 462.3/18$

Left: -76.129 ± 0.655 $\chi^2/\text{NDF}: 1116.2/39$

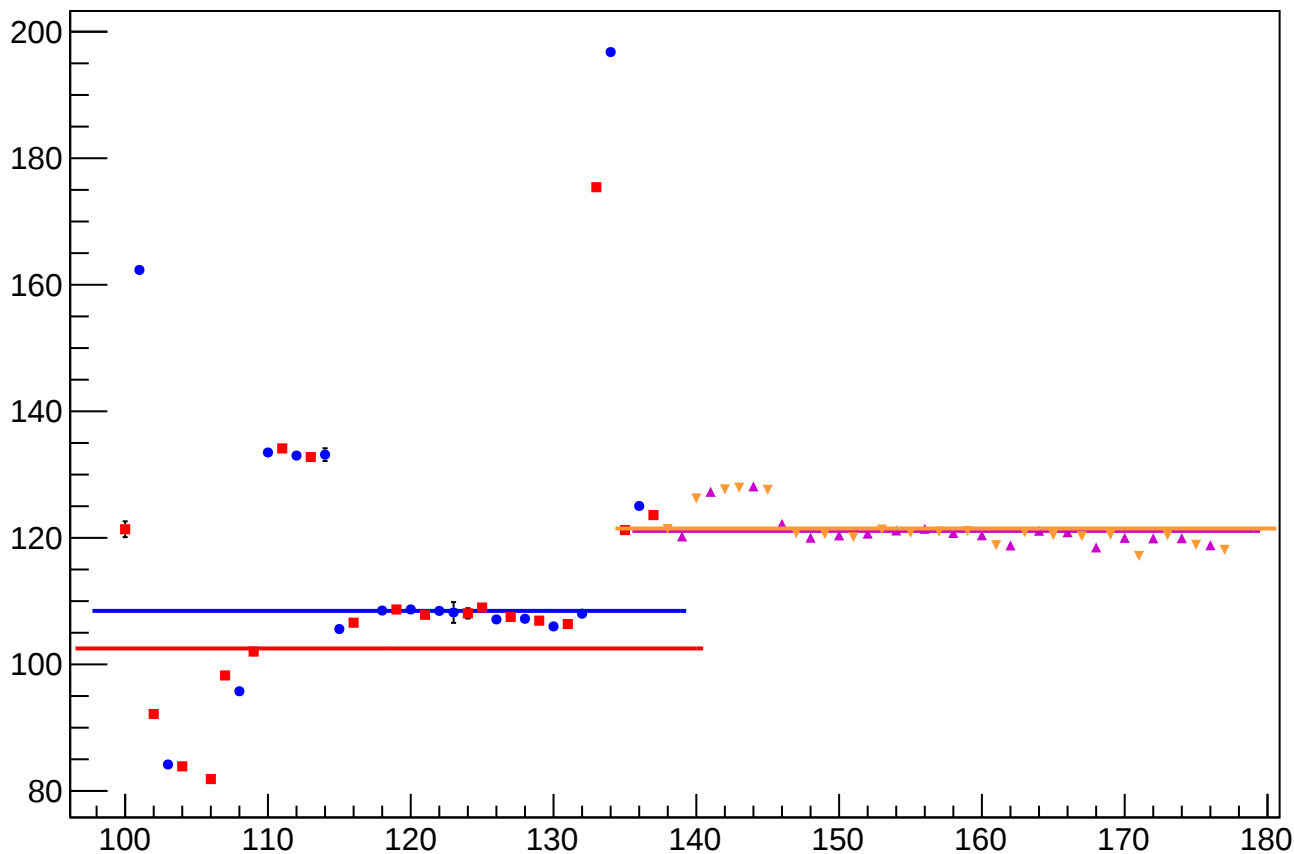
Right: -99.203 ± 1.173 $\chi^2/\text{NDF}: 1589.9/35$

In: -82.414 ± 0.829 $\chi^2/\text{NDF}: 1437.1/35$

Out: -80.893 ± 0.790 $\chi^2/\text{NDF}: 1562.2/39$

All: -81.618 ± 0.572 $\chi^2/\text{NDF}: 3001.0/75$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 121.478 $\pm$ 0.044 χ^2 /NDF: 4544.5/20

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

Left In: 121.107 $\pm$ 0.044 χ^2 /NDF: 2939.8/18

Left: 121.295 $\pm$ 0.031 χ^2 /NDF: 7520.0/39

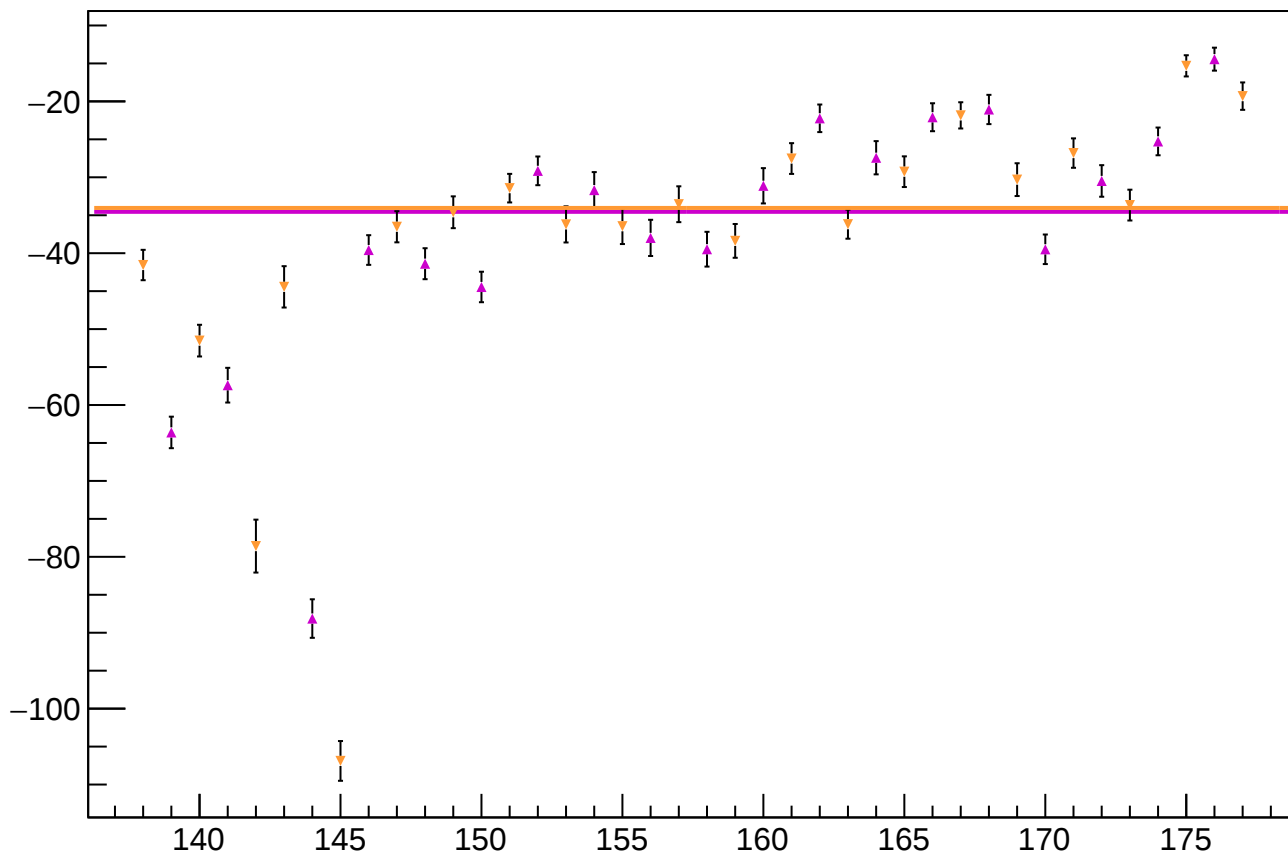
Right: 105.294 $\pm$ 0.058 χ^2 /NDF: 128896.1/35

In: 118.409 $\pm$ 0.039 χ^2 /NDF: 93657.6/35

Out: 117.105 $\pm$ 0.038 χ^2 /NDF: 101224.1/39

All: 117.739 $\pm$ 0.027 χ^2 /NDF: 195448.7/75

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.037 $\pm$ 0.449 χ^2/NDF :1375.0/20

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

Left In: -34.549 $\pm$ 0.464 χ^2/NDF :1166.2/18

Left: -34.285 $\pm$ 0.323 χ^2/NDF : 2541.8/39

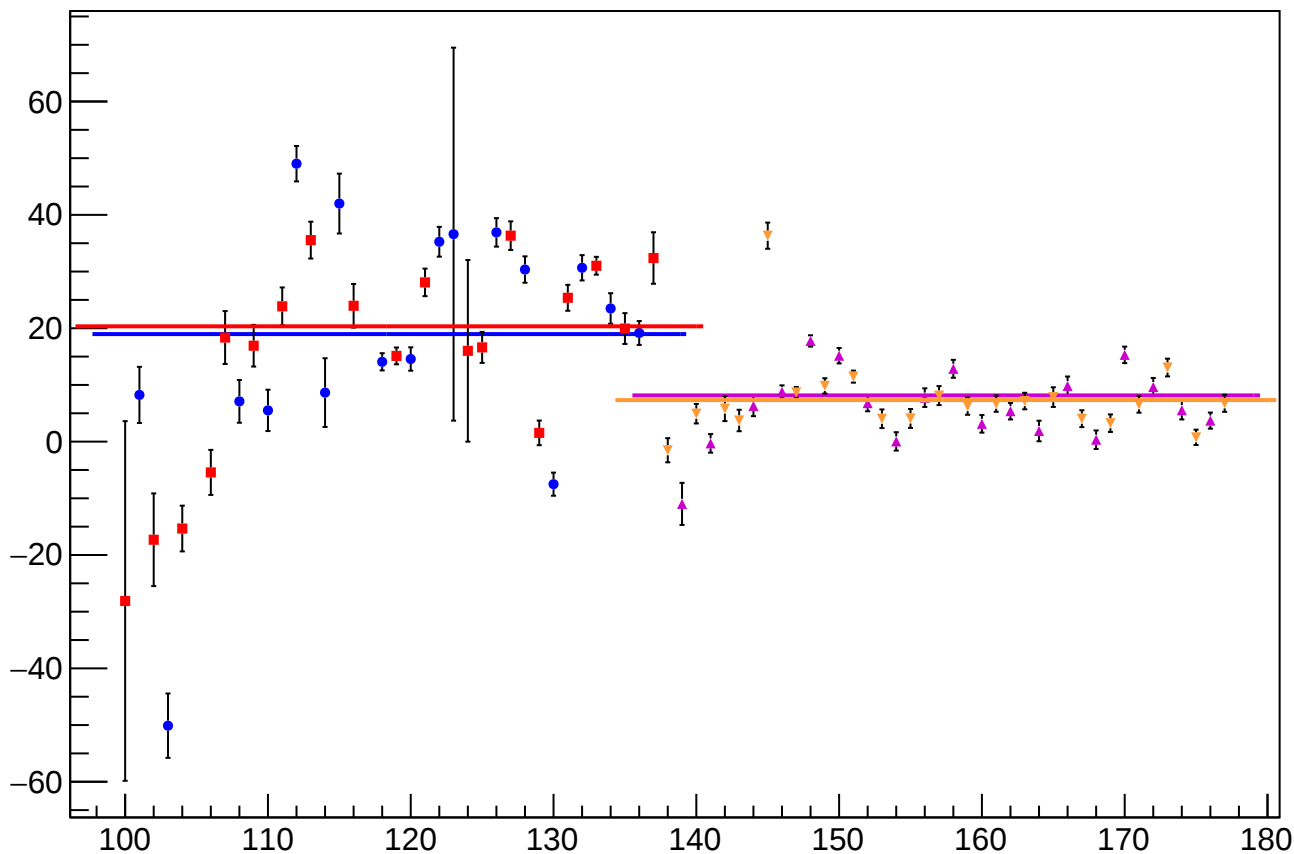
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -34.549 $\pm$ 0.464 χ^2/NDF :1166.2/18

Out: -34.037 $\pm$ 0.449 χ^2/NDF :1375.0/20

All: -34.285 $\pm$ 0.323 χ^2/NDF : 2541.8/39

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: 7.331 ± 0.329 χ^2/NDF : 259.4/20

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

Left In: 8.155 ± 0.346 χ^2/NDF : 297.0/18

Left: 7.723 ± 0.238 χ^2/NDF : 559.3/39

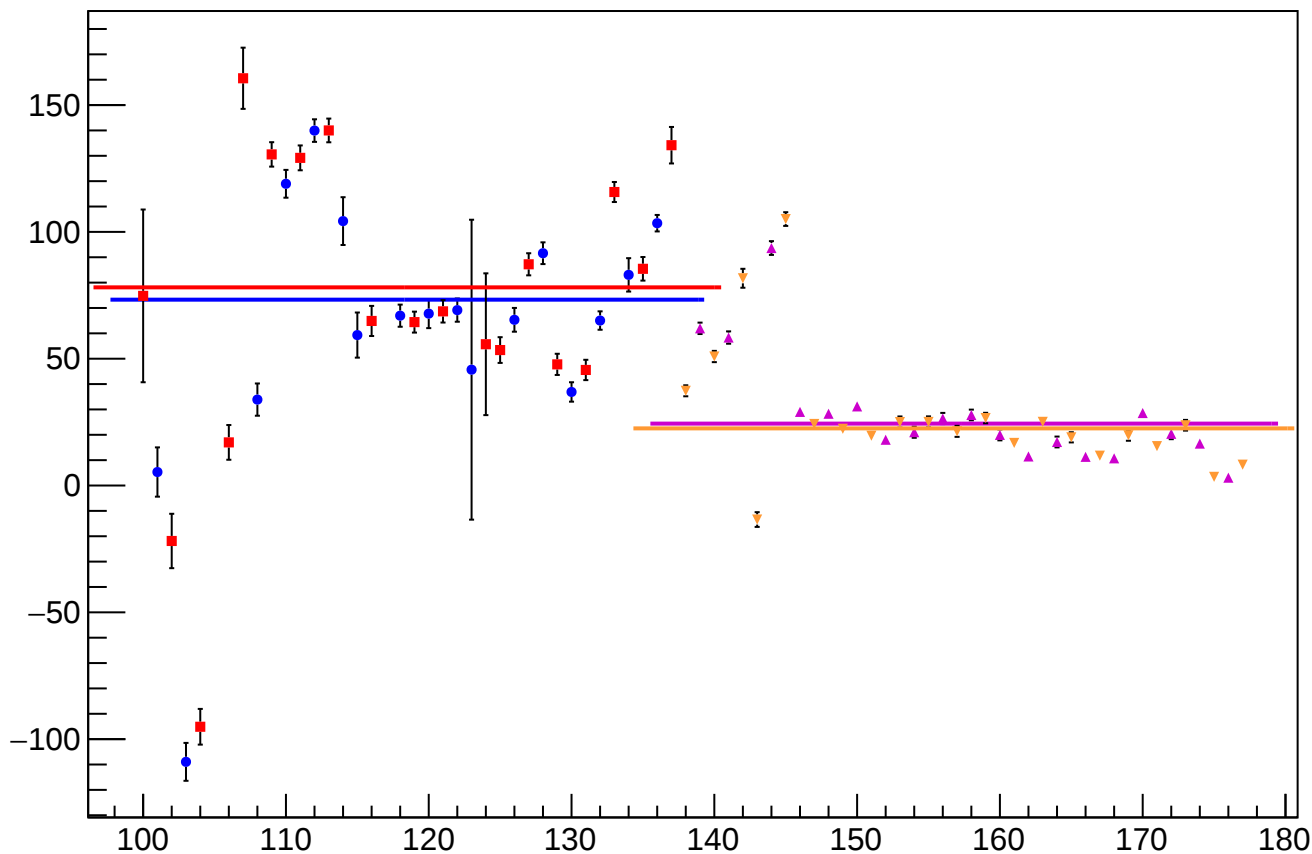
Right: 19.666 ± 0.458 χ^2/NDF : 987.0/35

In: 10.522 ± 0.306 χ^2/NDF : 1129.6/35

Out: 10.036 ± 0.293 χ^2/NDF : 950.7/39

All: 10.269 ± 0.211 χ^2/NDF : 2081.7/75

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 22.528 $\pm$ 0.443 χ^2 /NDF:1872.2/20

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

Left In: 24.410 $\pm$ 0.458 χ^2 /NDF:1561.0/18

Left: 23.439 $\pm$ 0.318 χ^2 /NDF: 3441.9/39

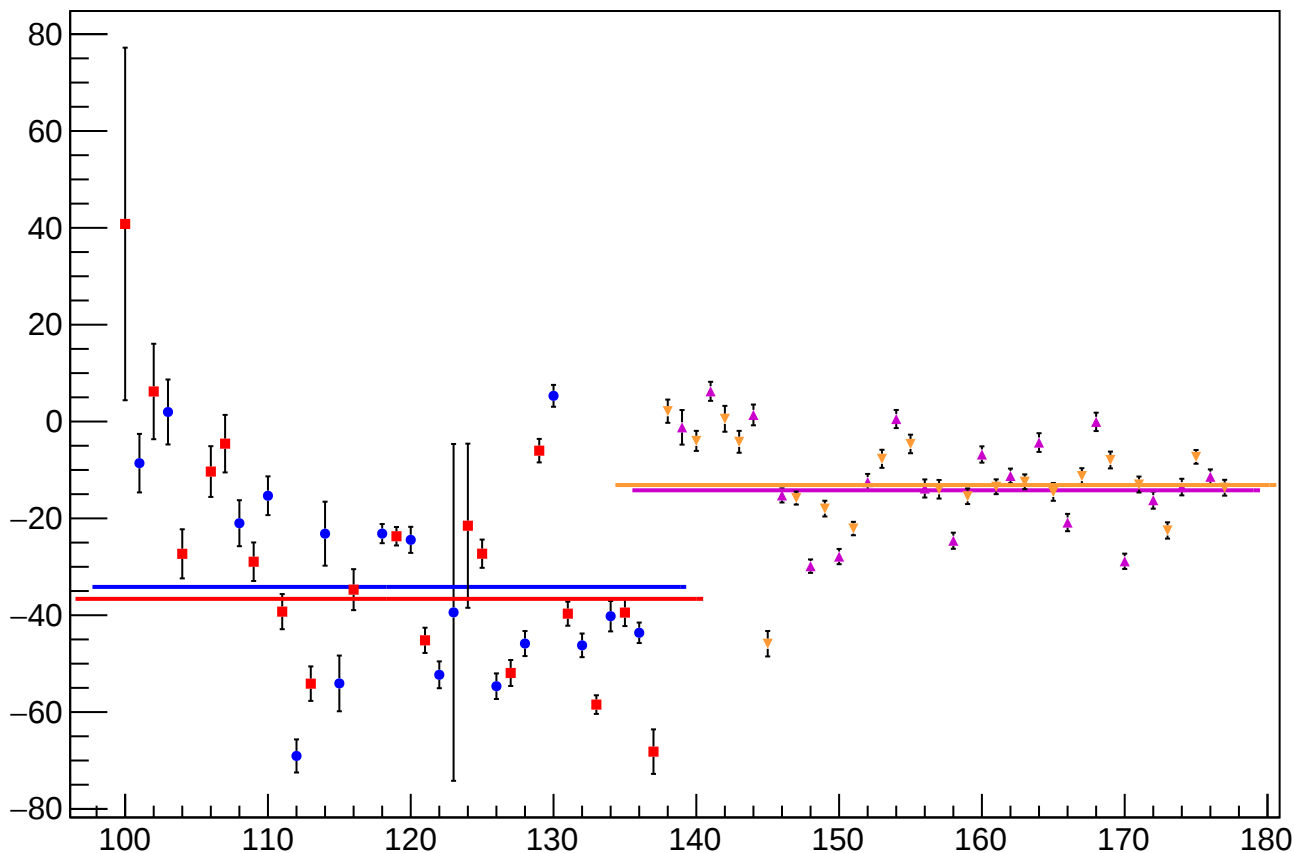
Right: 75.732 $\pm$ 0.869 χ^2 /NDF: 2749.7/35

In: 30.295 $\pm$ 0.429 χ^2 /NDF:4133.6/35

Out: 28.982 $\pm$ 0.417 χ^2 /NDF:5243.9/39

All: 29.619 $\pm$ 0.299 χ^2 /NDF: 9382.3/75

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.116 ± 0.377 χ^2/NDF : 401.1/20

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

Left In: -14.202 ± 0.396 χ^2/NDF : 688.7/18

Left: -13.633 ± 0.273 χ^2/NDF : 1093.8/39

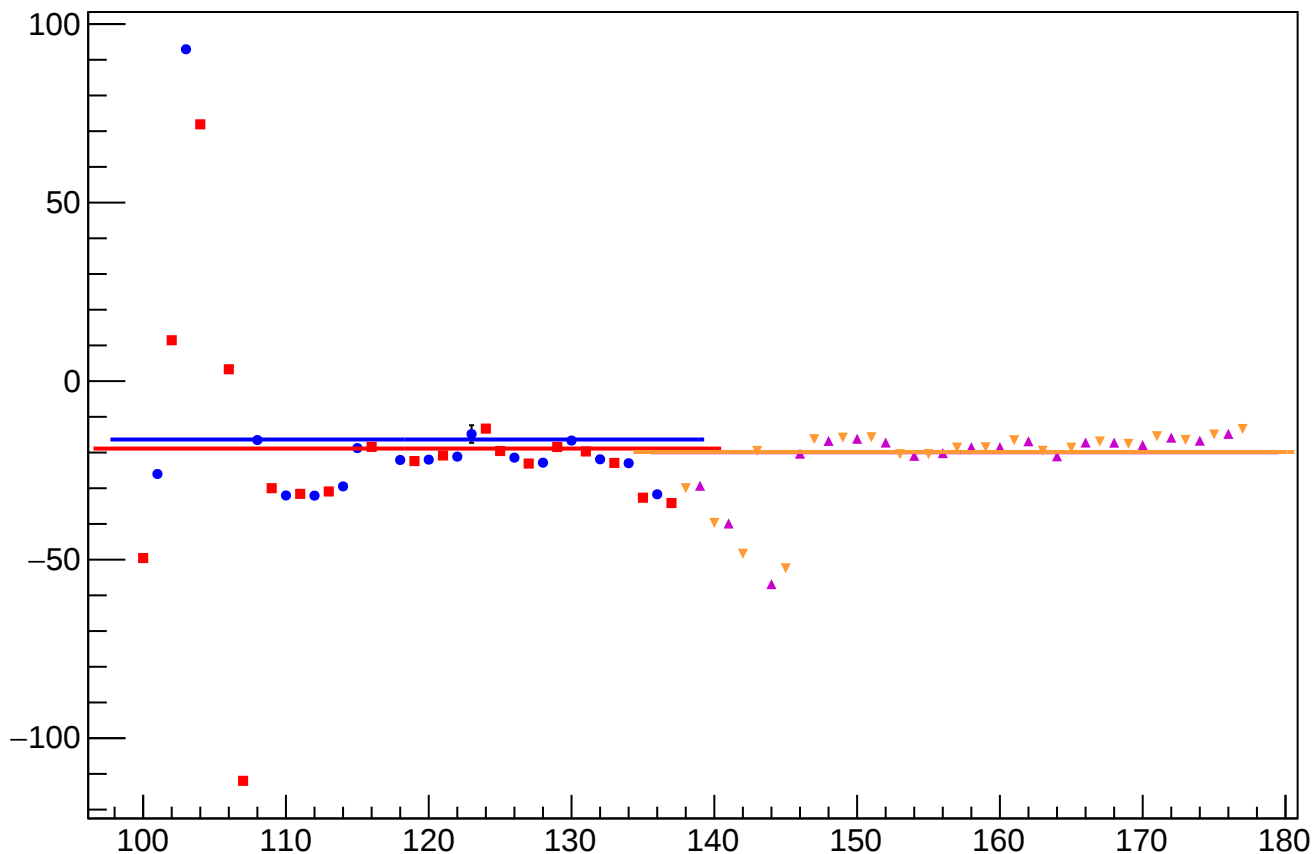
Right: -35.401 ± 0.523 χ^2/NDF : 1270.0/35

In: -18.603 ± 0.350 χ^2/NDF : 1965.4/35

Out: -18.013 ± 0.336 χ^2/NDF : 1755.8/39

All: -18.296 ± 0.242 χ^2/NDF : 3722.7/75

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: -19.841 ± 0.017 $\chi^2/\text{NDF}: 217311.5/20$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

Left In: -19.923 ± 0.018 $\chi^2/\text{NDF}: 174530.8/18$

Left: -19.881 ± 0.013 $\chi^2/\text{NDF}: 391853.0/39$

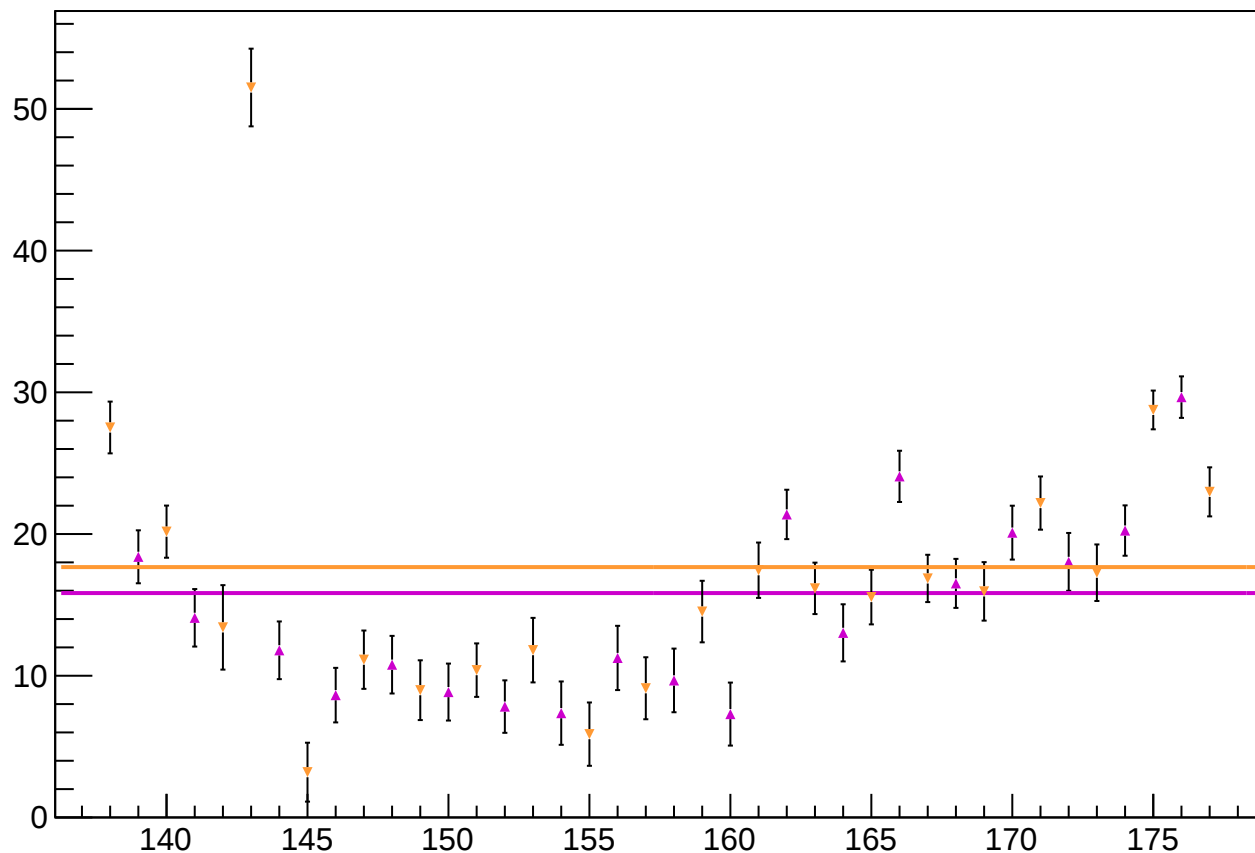
Right: -17.599 ± 0.032 $\chi^2/\text{NDF}: 909577.8/35$

In: -19.428 ± 0.017 $\chi^2/\text{NDF}: 654245.0/35$

Out: -19.717 ± 0.016 $\chi^2/\text{NDF}: 651491.8/39$

All: -19.575 ± 0.012 $\chi^2/\text{NDF}: 1305890.6/75$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 17.667 $\pm$ 0.428 χ^2/NDF :411.4/20

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

Left In: 15.834 $\pm$ 0.441 χ^2/NDF :232.7/18

Left: 16.779 $\pm$ 0.307 χ^2/NDF : 653.0/39

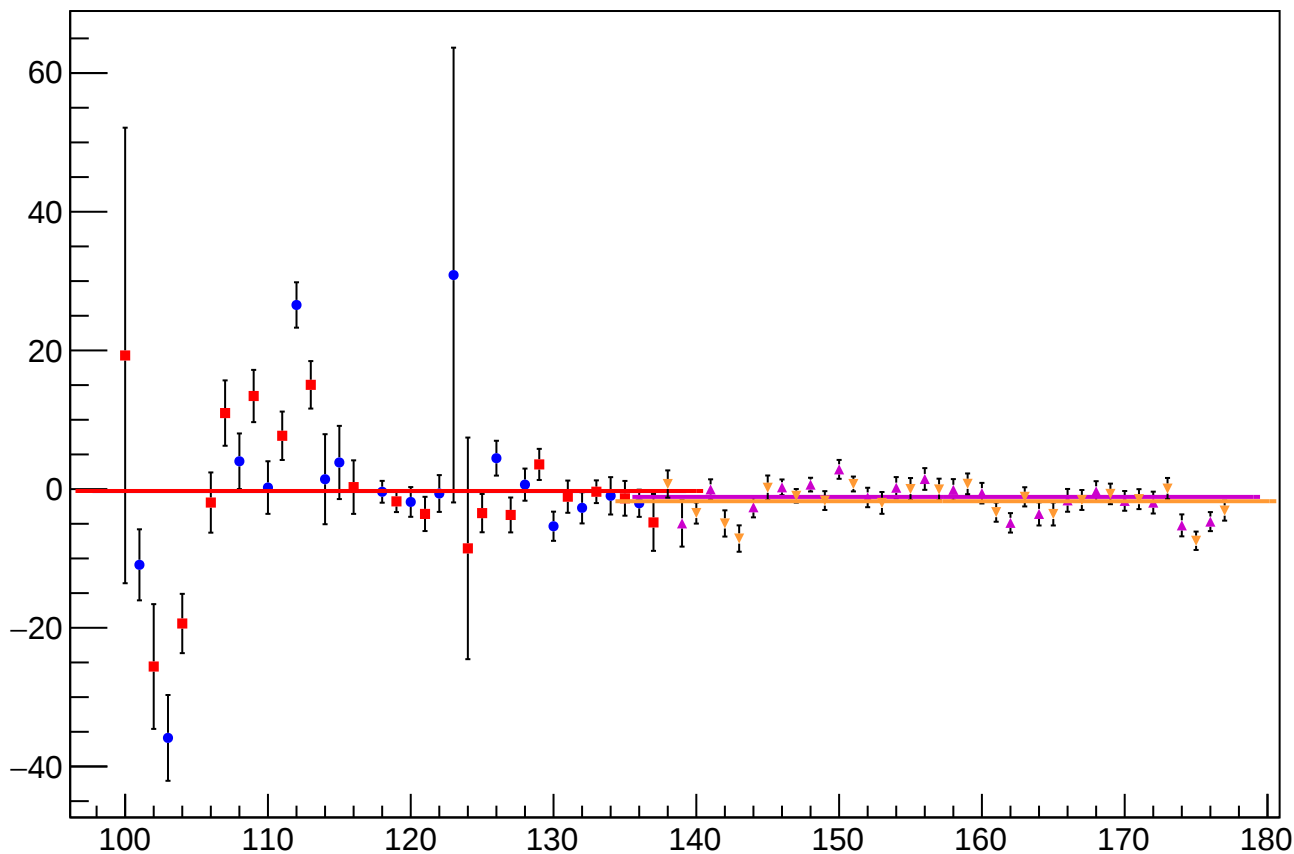
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 15.834 $\pm$ 0.441 χ^2/NDF :232.7/18

Out: 17.667 $\pm$ 0.428 χ^2/NDF :411.4/20

All: 16.779 $\pm$ 0.307 χ^2/NDF : 653.0/39

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: -1.745 ± 0.316 χ^2/NDF : 50.3/20

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

Left In: -1.123 ± 0.331 χ^2/NDF : 43.7/18

Left: -1.448 ± 0.229 χ^2/NDF : 95.9/39

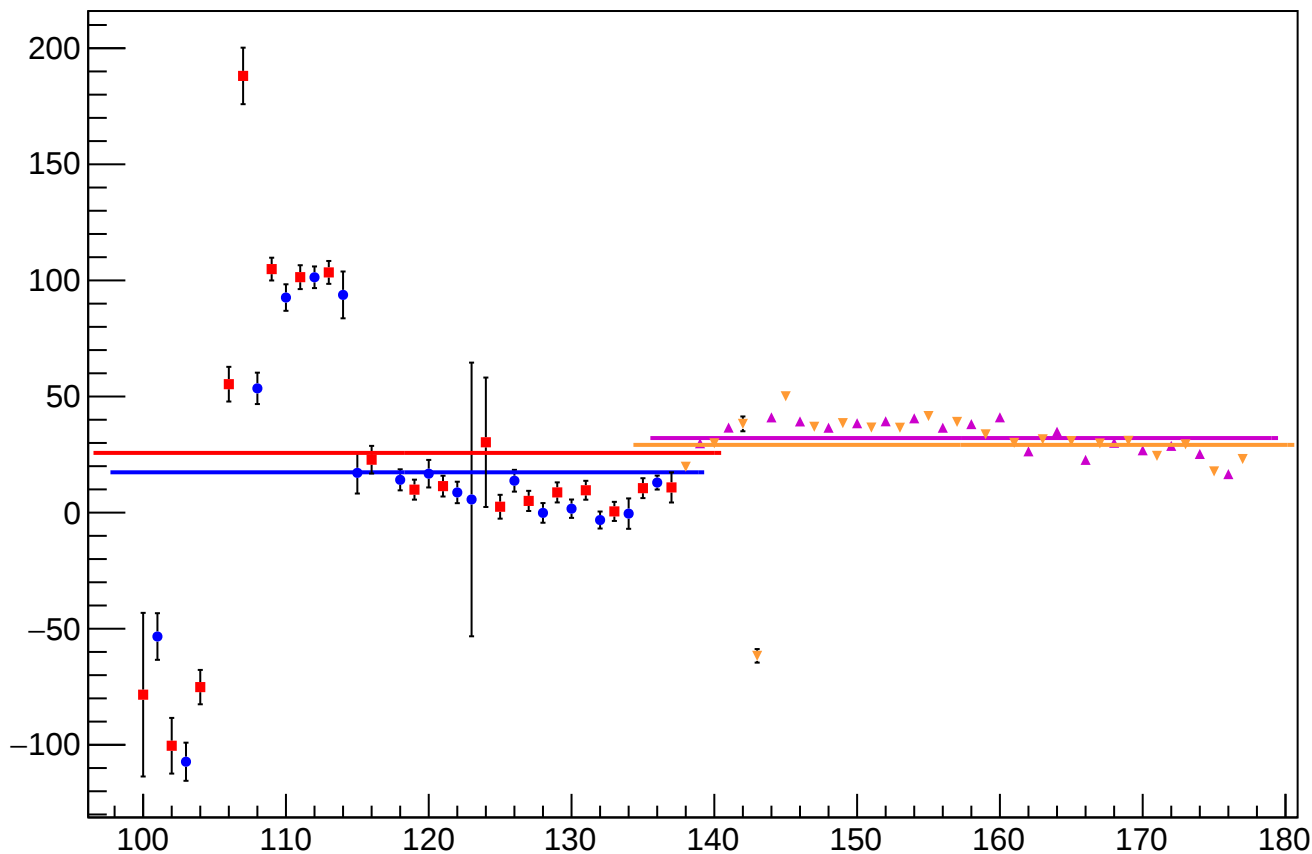
Right: -0.275 ± 0.466 χ^2/NDF : 202.7/35

In: -0.954 ± 0.296 χ^2/NDF : 164.6/35

Out: -1.467 ± 0.285 χ^2/NDF : 137.6/39

All: -1.220 ± 0.205 χ^2/NDF : 303.7/75

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 29.172+/-0.424 χ^2/NDF :1312.3/20

Right Out: 25.717+/-1.243 χ^2/NDF : 1378.8/18

Left In: 32.113+/-0.436 χ^2/NDF :297.8/18

Left: 30.599+/-0.304 χ^2/NDF : 1633.4/39

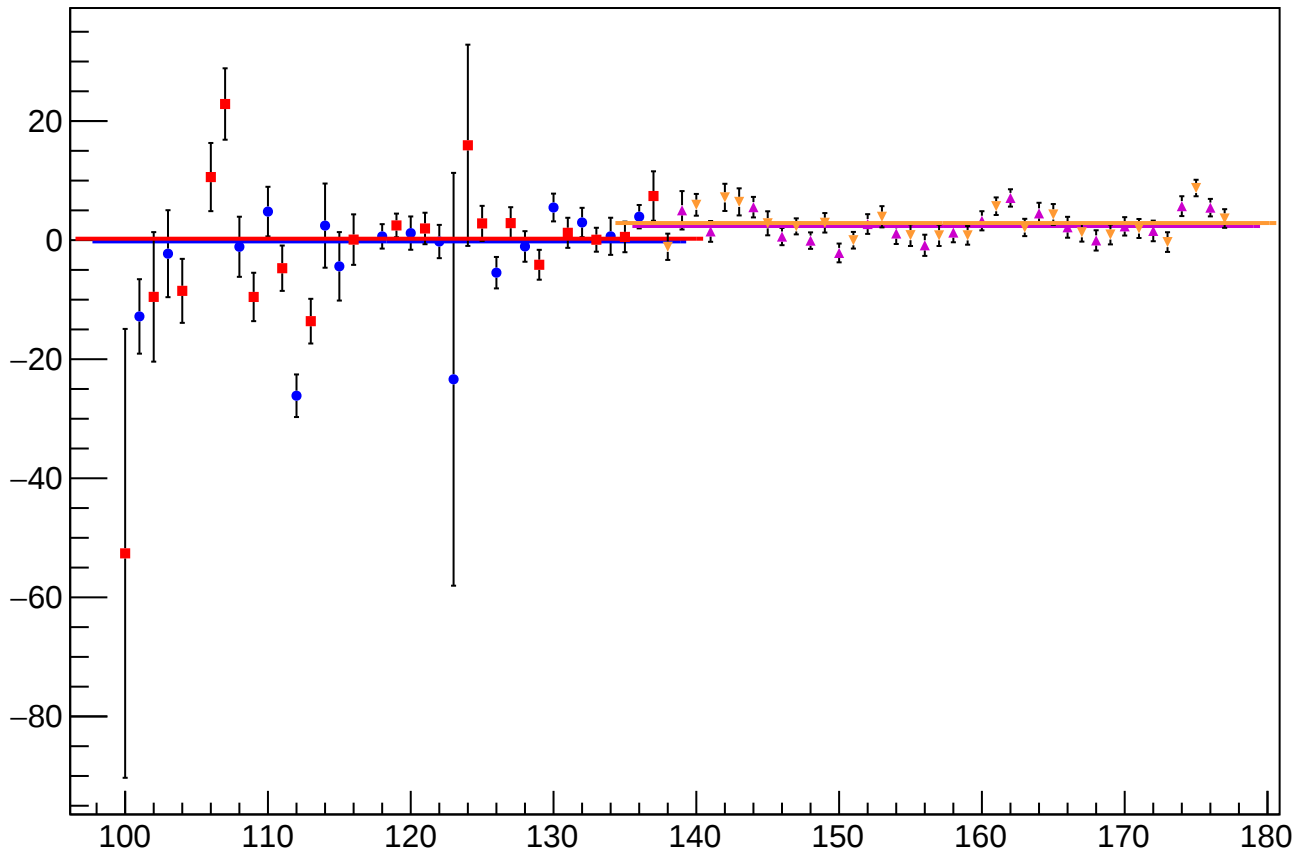
Right: 21.552+/-0.880 χ^2/NDF : 2344.4/35

In: 30.504+/-0.412 χ^2/NDF :1365.5/35

Out: 28.812+/-0.401 χ^2/NDF :2698.0/39

All: 29.635+/-0.287 χ^2/NDF : 4072.2/75

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: 2.871 ± 0.362 χ^2/NDF : 50.5/20

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 2.374 ± 0.379 χ^2/NDF : 44.4/18

Left: 2.634 ± 0.262 χ^2/NDF : 95.7/39

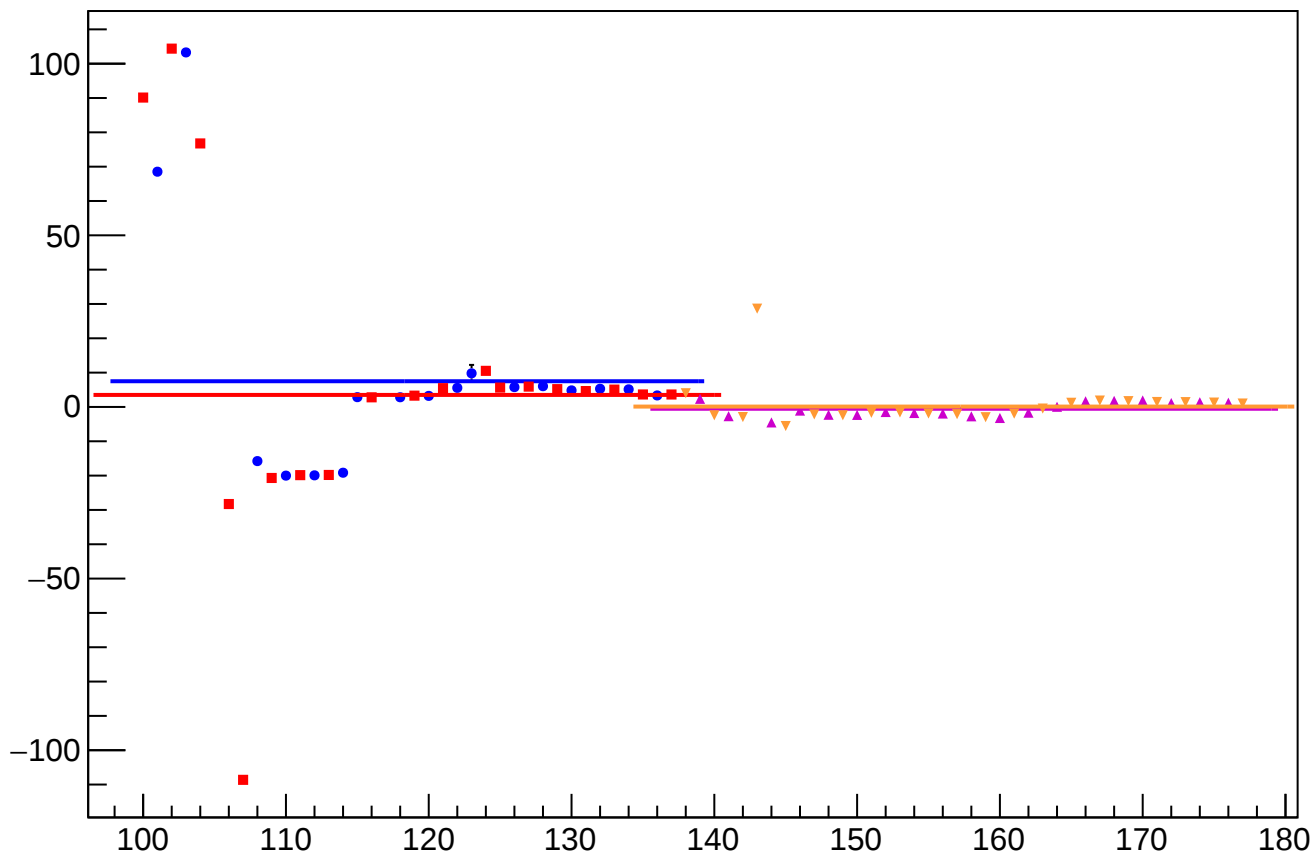
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.850 ± 0.338 χ^2/NDF : 129.7/35

Out: 2.372 ± 0.326 χ^2/NDF : 115.0/39

All: 2.121 ± 0.235 χ^2/NDF : 245.9/75

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 $\pm$ 0.045 χ^2 /NDF: 355979.0/16

Left Out: 0.108 $\pm$ 0.017 χ^2 /NDF: 77413.0/20

Right Out: 3.504 $\pm$ 0.046 χ^2 /NDF: 510579.4/18

Left In: -0.529 $\pm$ 0.017 χ^2 /NDF: 13623.8/18

Left: -0.204 $\pm$ 0.012 χ^2 /NDF: 91751.1/39

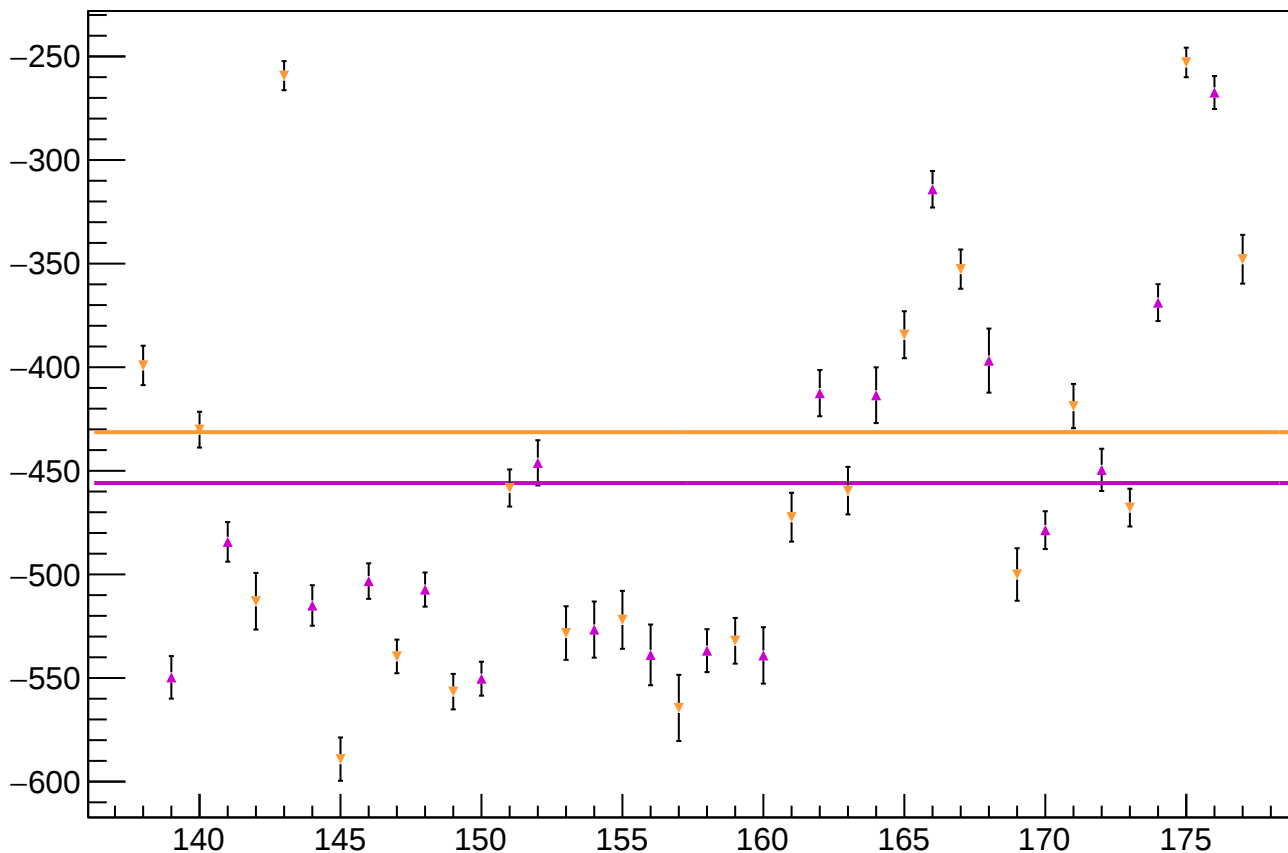
Right: 5.541 $\pm$ 0.032 χ^2 /NDF: 870462.8/35

In: 0.490 $\pm$ 0.016 χ^2 /NDF: 397792.9/35

Out: 0.509 $\pm$ 0.016 χ^2 /NDF: 592876.5/39

All: 0.500 $\pm$ 0.011 χ^2 /NDF: 990670.2/75

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: -431.327+/-2.175 χ^2/NDF :2356.2/20

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

Left In: -455.885+/-2.307 χ^2/NDF :1451.3/18

Left: -442.887+/-1.583 χ^2/NDF : 3867.5/39

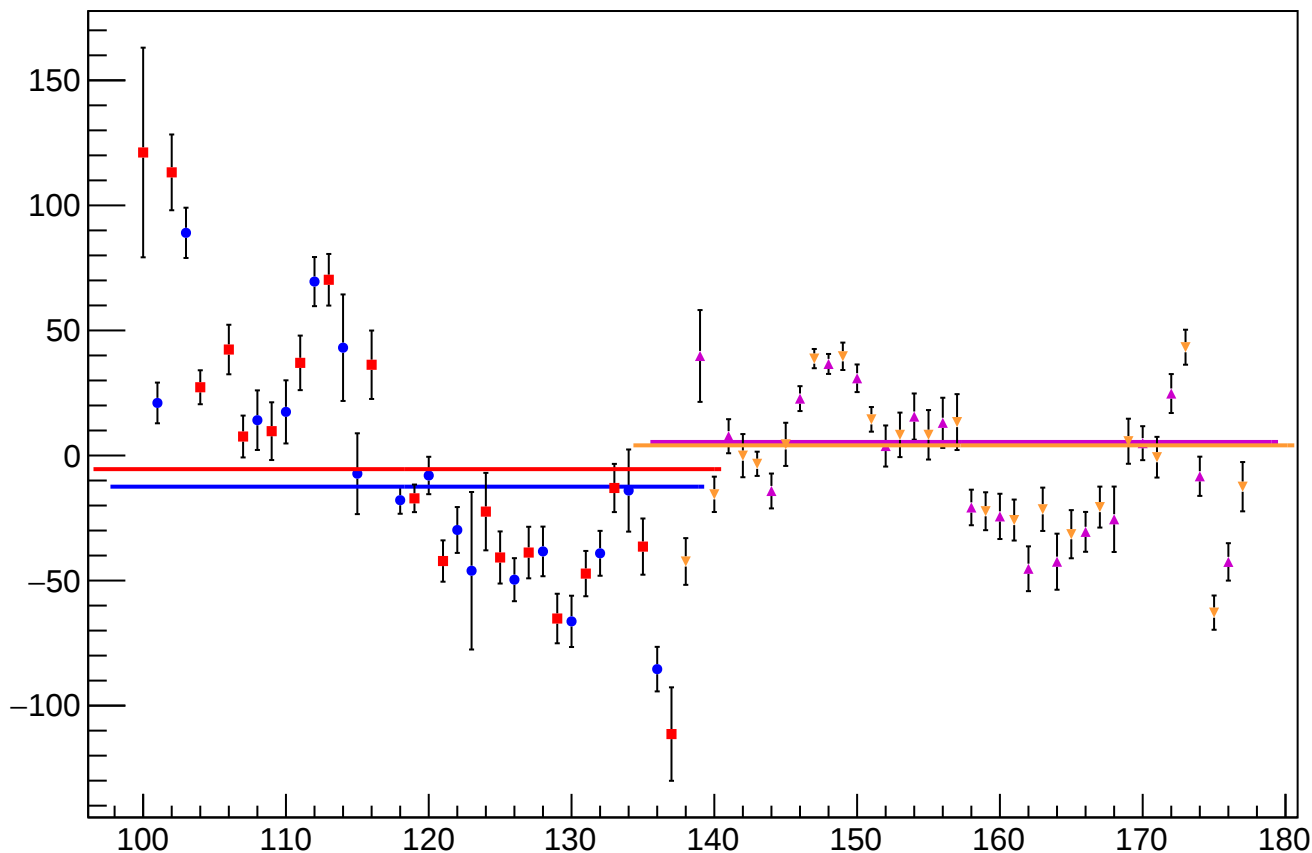
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -455.885+/-2.307 χ^2/NDF :1451.3/18

Out: -431.327+/-2.175 χ^2/NDF :2356.2/20

All: -442.887+/-1.583 χ^2/NDF : 3867.5/39

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: 4.062 ± 1.534 χ^2/NDF : 350.9/20

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

Left In: 5.416 ± 1.658 χ^2/NDF : 258.8/18

Left: 4.687 ± 1.126 χ^2/NDF : 610.0/39

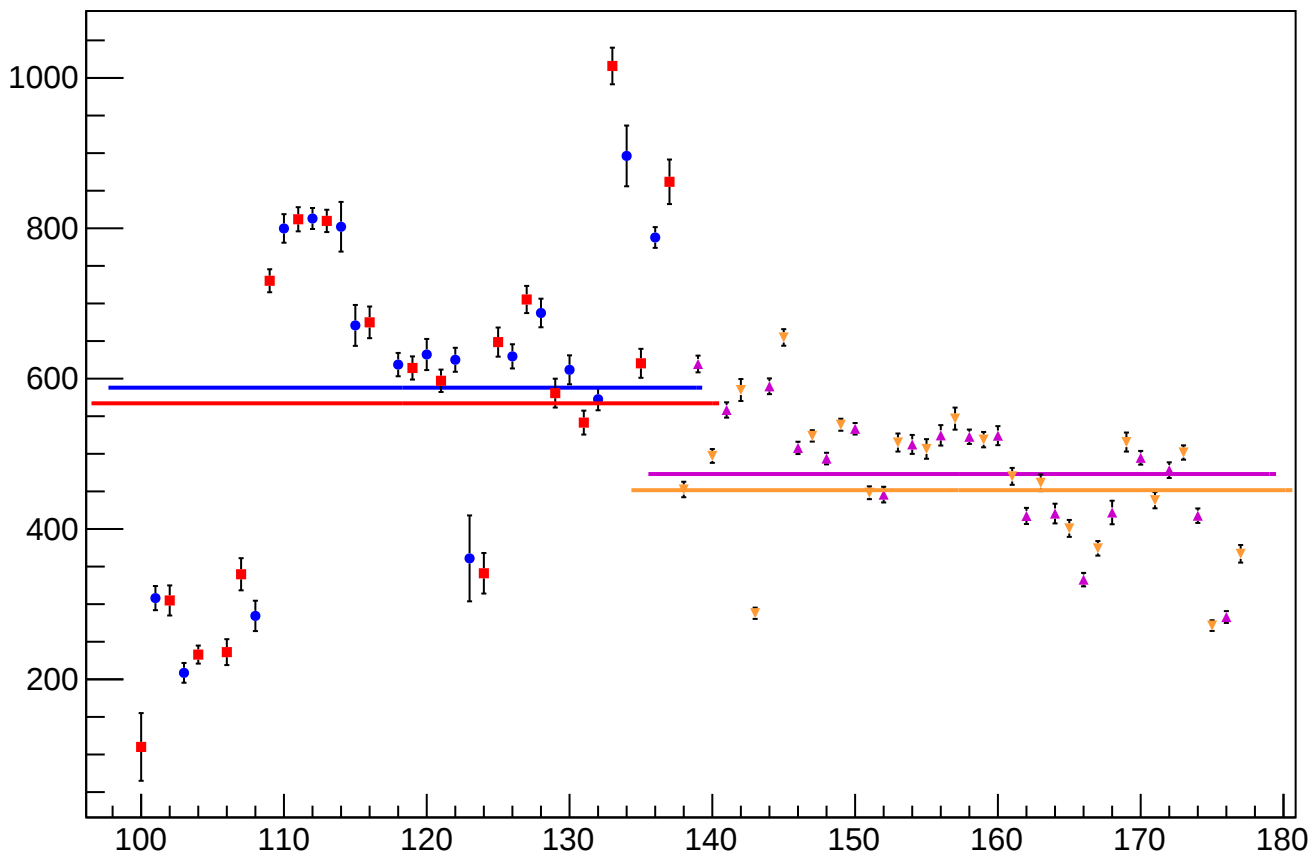
Right: -8.819 ± 1.628 χ^2/NDF : 690.7/35

In: -0.528 ± 1.354 χ^2/NDF : 638.5/35

Out: 1.058 ± 1.269 χ^2/NDF : 708.0/39

All: 0.317 ± 0.926 χ^2/NDF : 1347.2/75

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 $\pm$ 4.353 χ^2 /NDF: 2129.6/16

Left Out: 451.622 $\pm$ 2.165 χ^2 /NDF:2101.2/20

Right Out: 567.179 $\pm$ 4.136 χ^2 /NDF: 2783.2/18

Left In: 473.106 $\pm$ 2.278 χ^2 /NDF:1449.5/18

Left: 461.818 $\pm$ 1.570 χ^2 /NDF: 3597.4/39

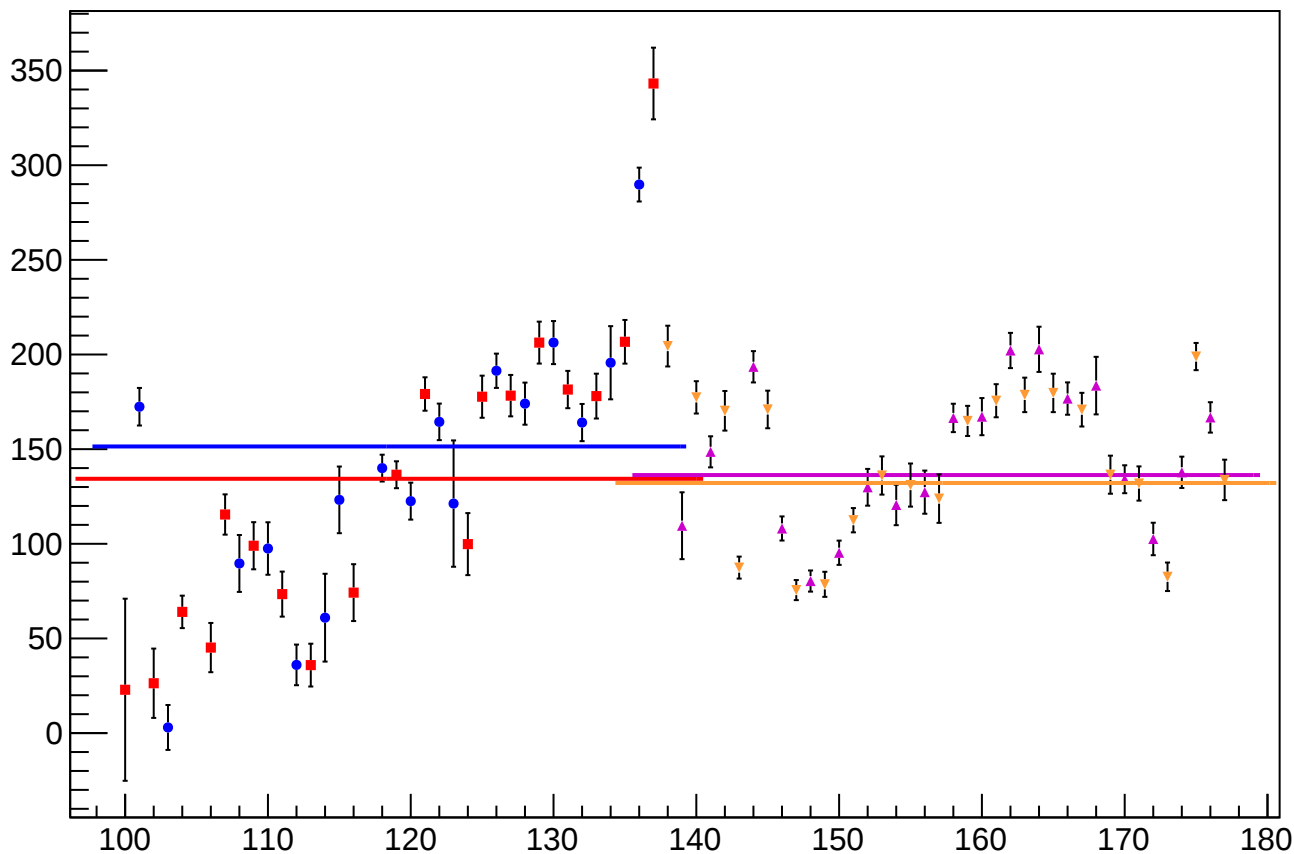
Right: 577.056 $\pm$ 2.998 χ^2 /NDF: 4924.8/35

In: 497.813 $\pm$ 2.019 χ^2 /NDF:4126.0/35

Out: 476.480 $\pm$ 1.918 χ^2 /NDF:5497.0/39

All: 486.604 $\pm$ 1.391 χ^2 /NDF: 9681.7/75

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 132.135 $\pm$ 1.800 χ^2 /NDF: 588.6/20

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

Left In: 136.321 $\pm$ 1.933 χ^2 /NDF: 385.8/18

Left: 134.079 $\pm$ 1.317 χ^2 /NDF: 977.0/39

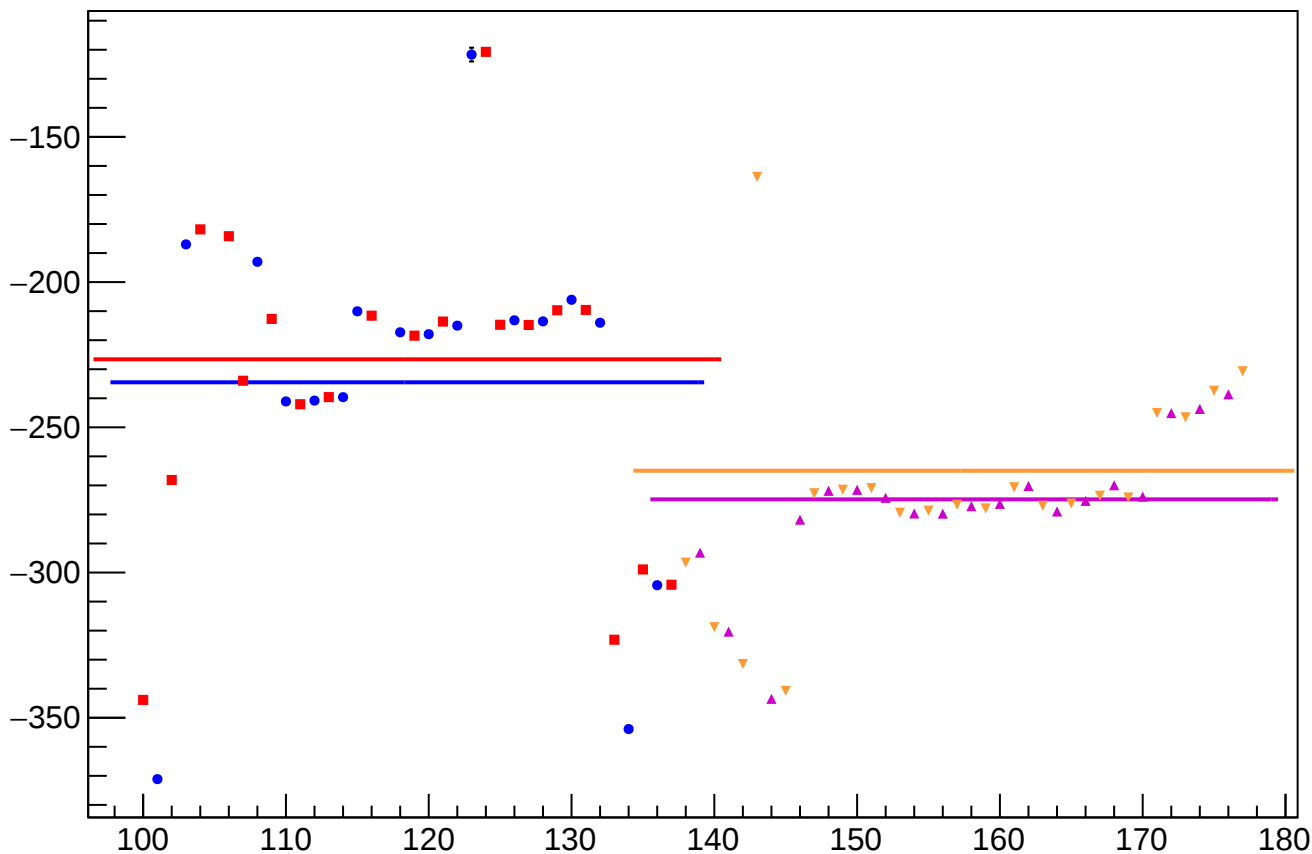
Right: 142.583 $\pm$ 1.882 χ^2 /NDF: 1238.7/35

In: 141.415 $\pm$ 1.574 χ^2 /NDF: 1039.7/35

Out: 132.846 $\pm$ 1.483 χ^2 /NDF: 1174.0/39

All: 136.876 $\pm$ 1.079 χ^2 /NDF: 2229.4/75

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -264.944 ± 0.087 $\chi^2/\text{NDF}: 205077.5/20$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

Left In: -274.796 ± 0.091 $\chi^2/\text{NDF}: 62411.7/18$

Left: -269.681 ± 0.063 $\chi^2/\text{NDF}: 273620.8/39$

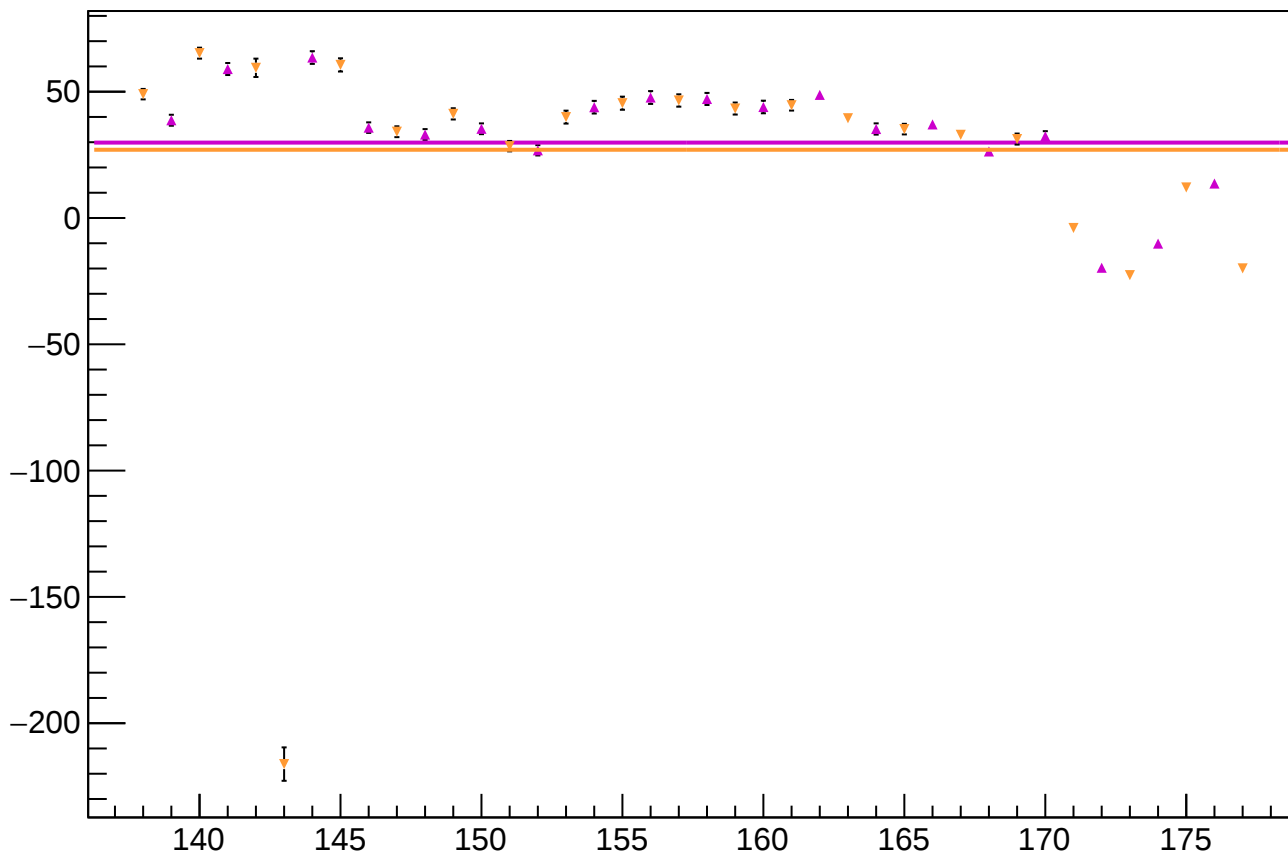
Right: -230.333 ± 0.103 $\chi^2/\text{NDF}: 245501.4/35$

In: -263.912 ± 0.077 $\chi^2/\text{NDF}: 260819.3/35$

Out: -254.367 ± 0.074 $\chi^2/\text{NDF}: 357354.8/39$

All: -258.938 ± 0.054 $\chi^2/\text{NDF}: 626088.0/75$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 27.015 $\pm$ 0.469 χ^2 /NDF:4048.5/20

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

Left In: 29.848 $\pm$ 0.477 χ^2 /NDF:1922.2/18

Left: 28.410 $\pm$ 0.335 χ^2 /NDF: 5988.6/39

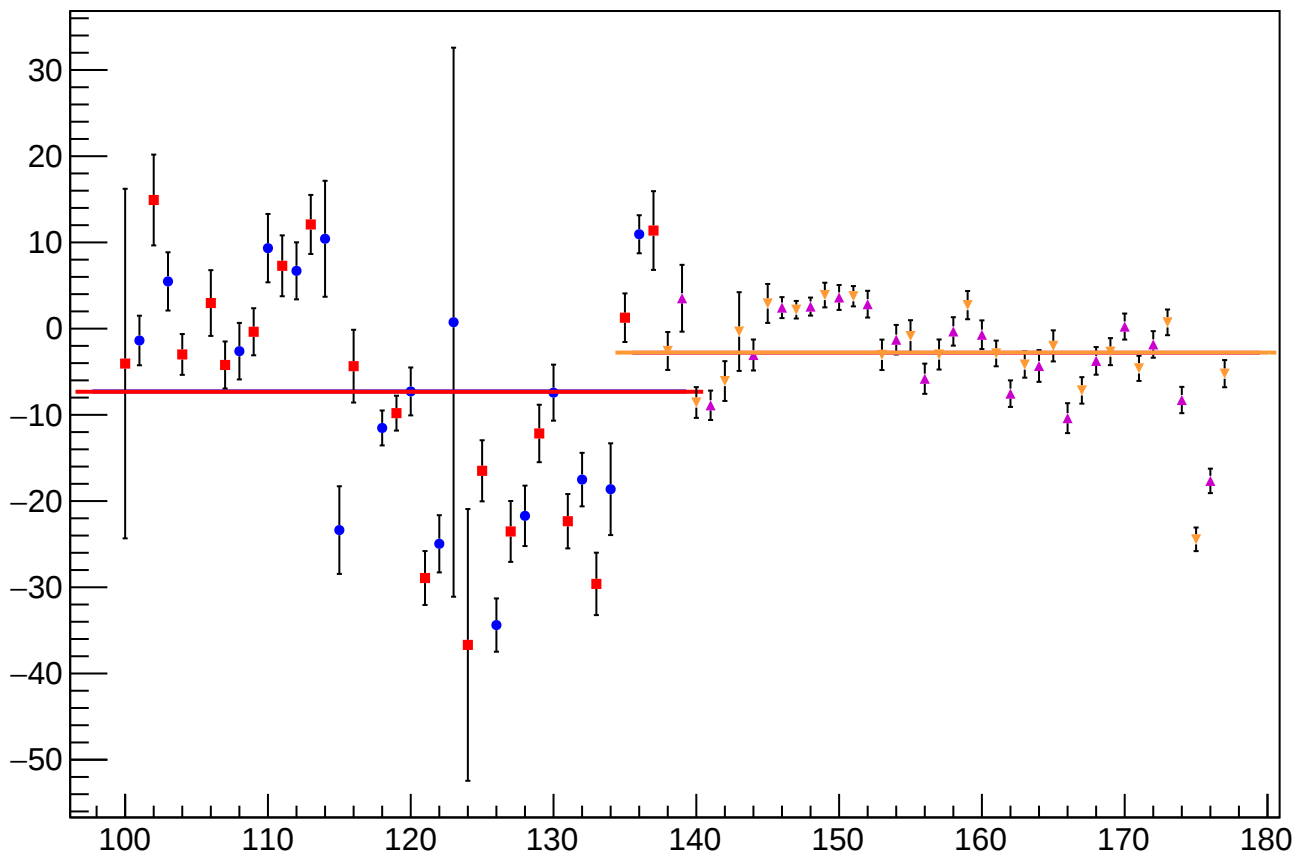
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 29.848 $\pm$ 0.477 χ^2 /NDF:1922.2/18

Out: 27.015 $\pm$ 0.469 χ^2 /NDF:4048.5/20

All: 28.410 $\pm$ 0.335 χ^2 /NDF: 5988.6/39

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -2.777 ± 0.347 χ^2/NDF : 377.1/20

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: -2.801 ± 0.358 χ^2/NDF : 257.3/18

Left: -2.789 ± 0.249 χ^2/NDF : 634.4/39

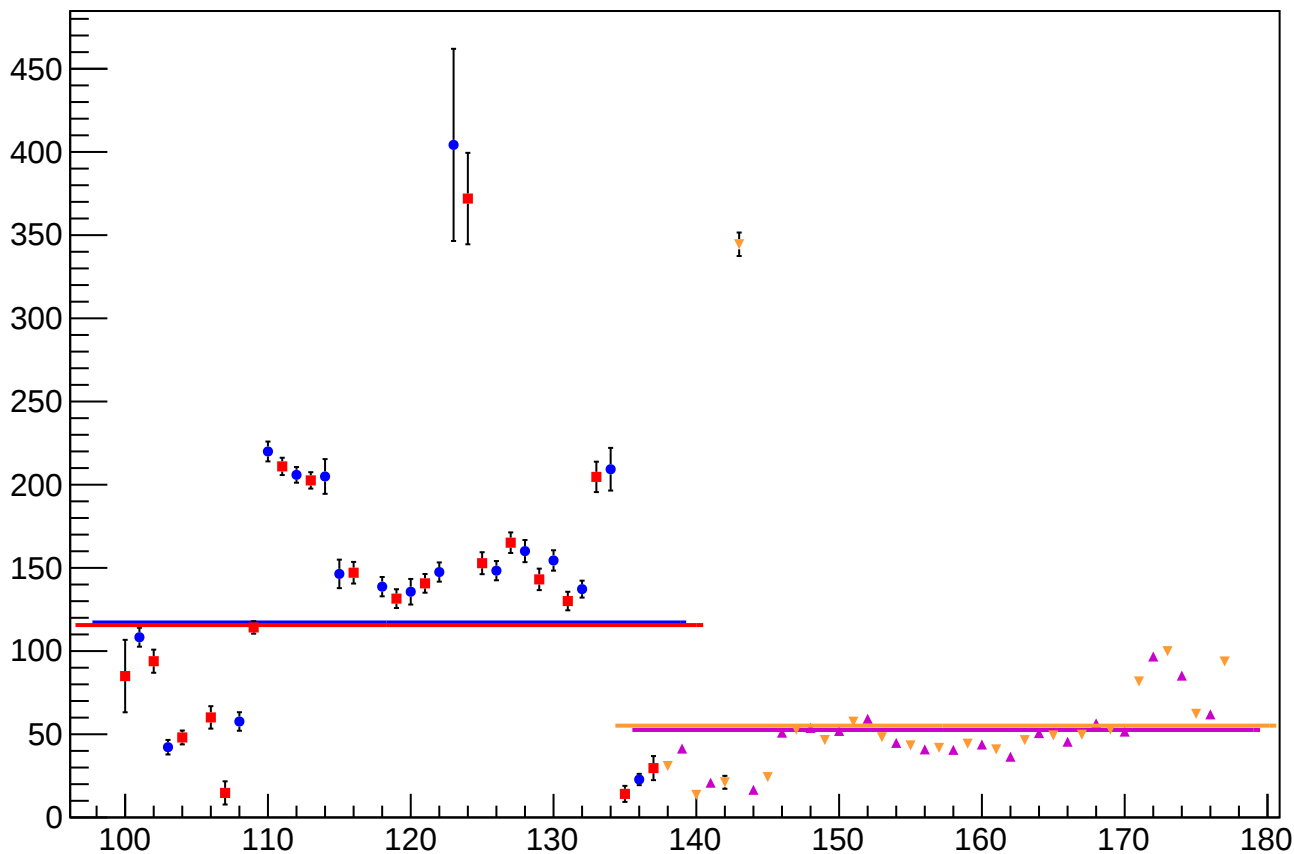
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -3.566 ± 0.326 χ^2/NDF : 567.3/35

Out: -3.558 ± 0.315 χ^2/NDF : 661.9/39

All: -3.562 ± 0.227 χ^2/NDF : 1229.3/75

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: 55.181 ± 0.464 χ^2/NDF : 3657.8/20

Right Out: 115.632 ± 1.361 χ^2/NDF : 2137.6/18

Left In: 52.587 ± 0.471 χ^2/NDF : 1358.3/18

Left: 53.905 ± 0.331 χ^2/NDF : 5031.5/39

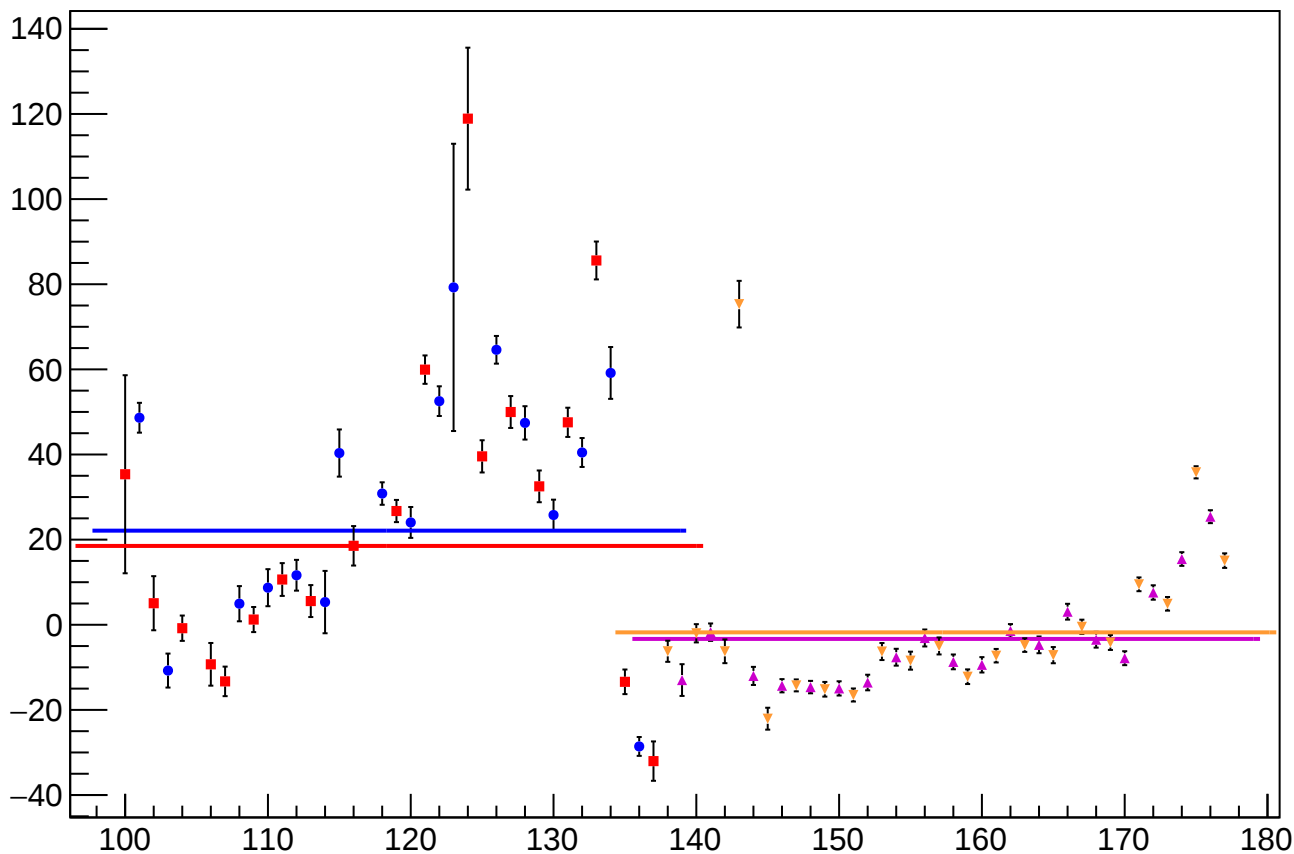
Right: 116.378 ± 0.981 χ^2/NDF : 4299.2/35

In: 59.030 ± 0.447 χ^2/NDF : 5392.1/35

Out: 61.471 ± 0.439 χ^2/NDF : 7562.9/39

All: 60.274 ± 0.313 χ^2/NDF : 12970.2/75

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -1.784 $\pm$ 0.396 χ^2 /NDF:1427.7/20

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

Left In: -3.326 $\pm$ 0.409 χ^2 /NDF:794.5/18

Left: -2.531 $\pm$ 0.285 χ^2 /NDF: 2229.5/39

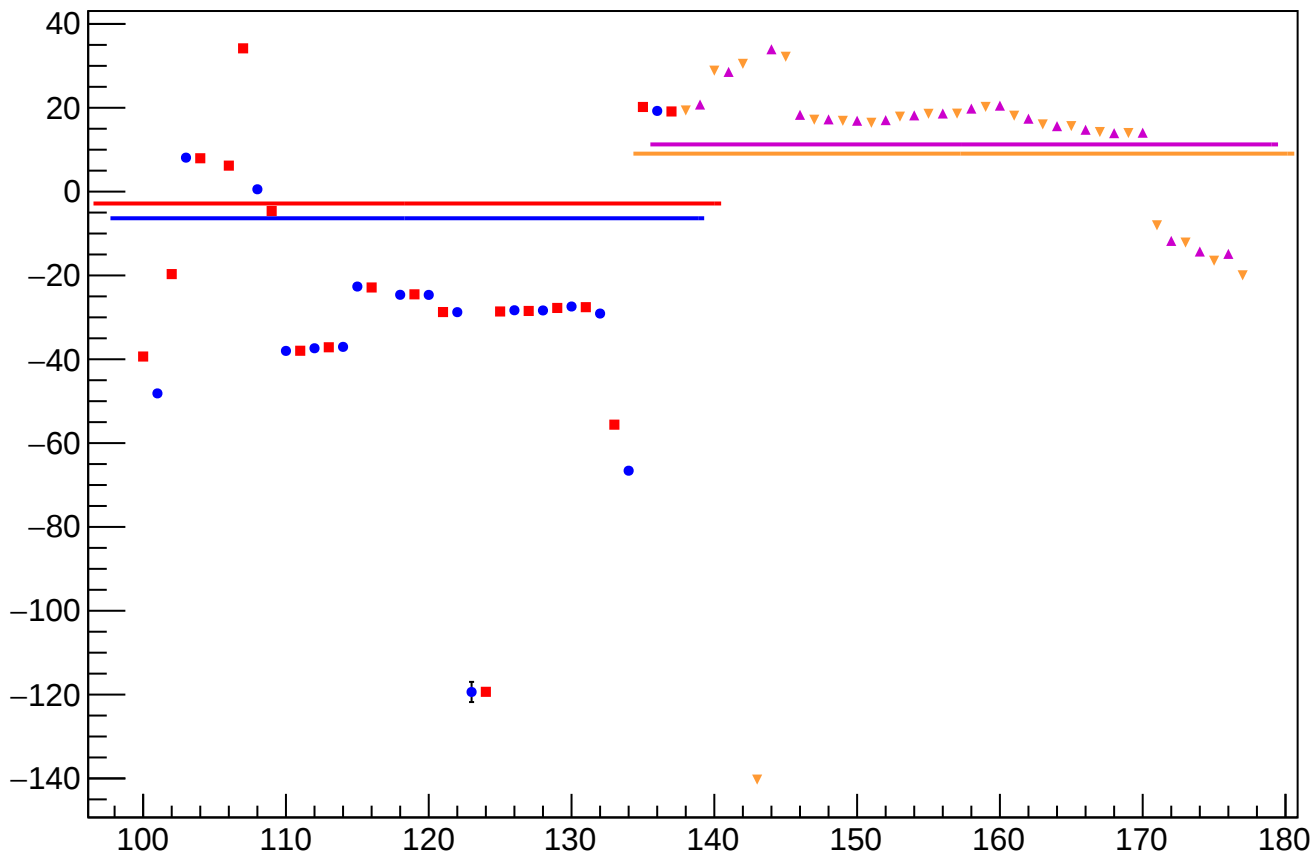
Right: 20.261 $\pm$ 0.625 χ^2 /NDF: 2147.1/35

In: 1.042 $\pm$ 0.372 χ^2 /NDF:2529.1/35

Out: 1.698 $\pm$ 0.361 χ^2 /NDF:2946.3/39

All: 1.380 $\pm$ 0.259 χ^2 /NDF: 5477.0/75

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 $\pm$ 0.046 χ^2 /NDF: 264750.9/16

Left Out: 9.058 $\pm$ 0.018 χ^2 /NDF: 961149.2/20

Right Out: -2.837 $\pm$ 0.046 χ^2 /NDF: 265573.0/18

Left In: 11.259 $\pm$ 0.018 χ^2 /NDF: 558732.2/18

Left: 10.151 $\pm$ 0.013 χ^2 /NDF: 1527067.1/39

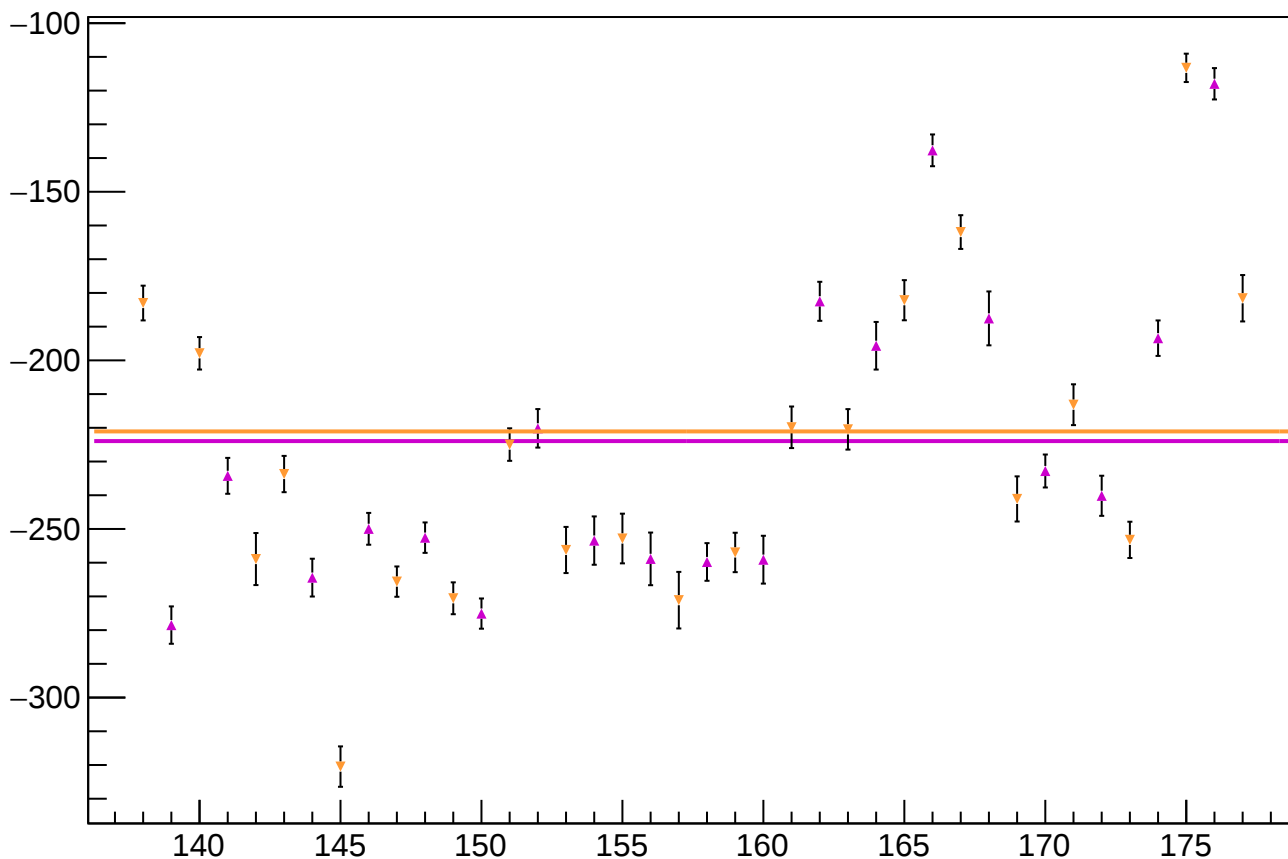
Right: -4.577 $\pm$ 0.033 χ^2 /NDF: 533252.4/35

In: 8.852 $\pm$ 0.017 χ^2 /NDF: 948437.6/35

Out: 7.416 $\pm$ 0.017 χ^2 /NDF: 1285001.8/39

All: 8.129 $\pm$ 0.012 χ^2 /NDF: 2236983.9/75

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: -221.070+/-1.227 χ^2/NDF :1628.2/20

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

Left In: -223.938+/-1.265 χ^2/NDF :1443.5/18

Left: -222.460+/-0.881 χ^2/NDF : 3074.3/39

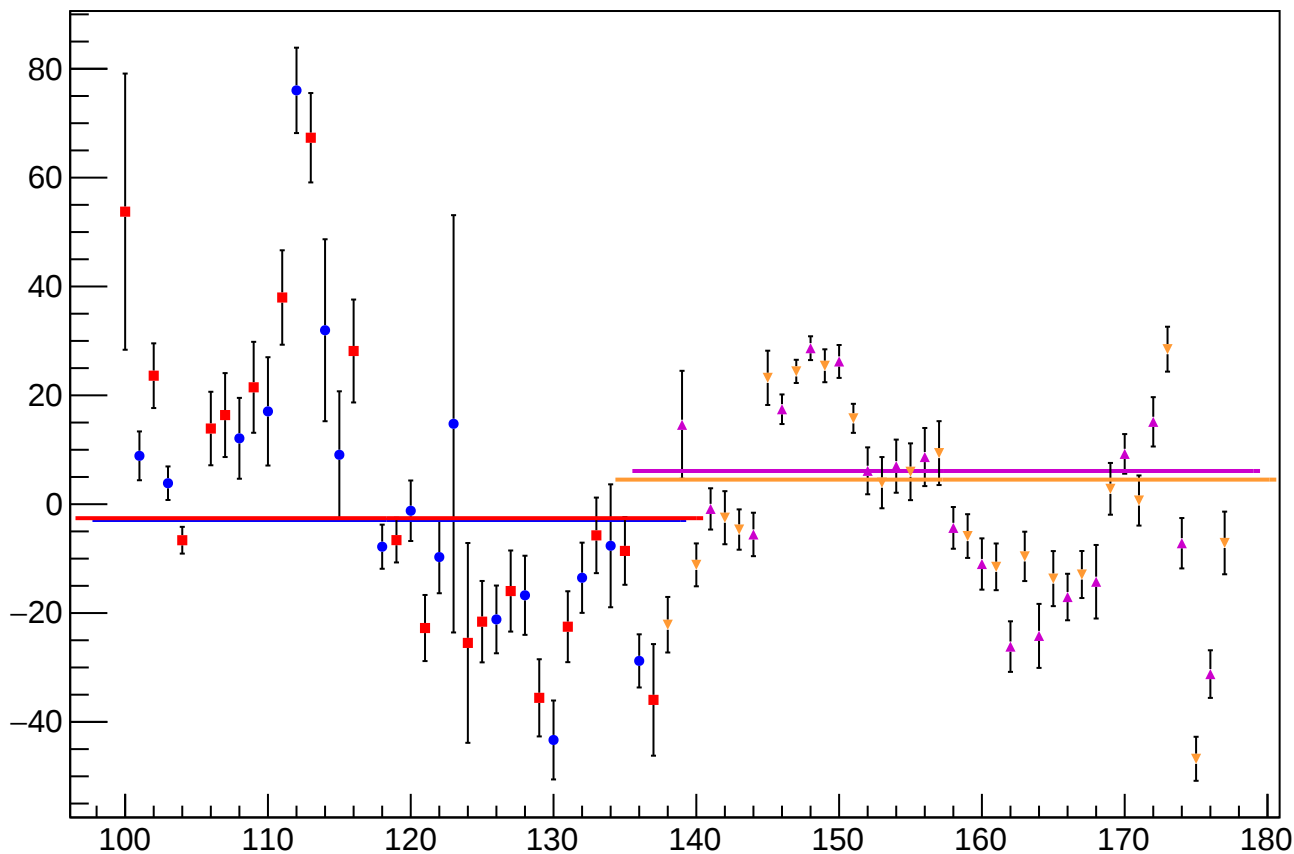
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -223.938+/-1.265 χ^2/NDF :1443.5/18

Out: -221.070+/-1.227 χ^2/NDF :1628.2/20

All: -222.460+/-0.881 χ^2/NDF : 3074.3/39

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 4.515 ± 0.864 χ^2/NDF : 477.9/20

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

Left In: 6.100 ± 0.907 χ^2/NDF : 400.7/18

Left: 5.269 ± 0.626 χ^2/NDF : 880.2/39

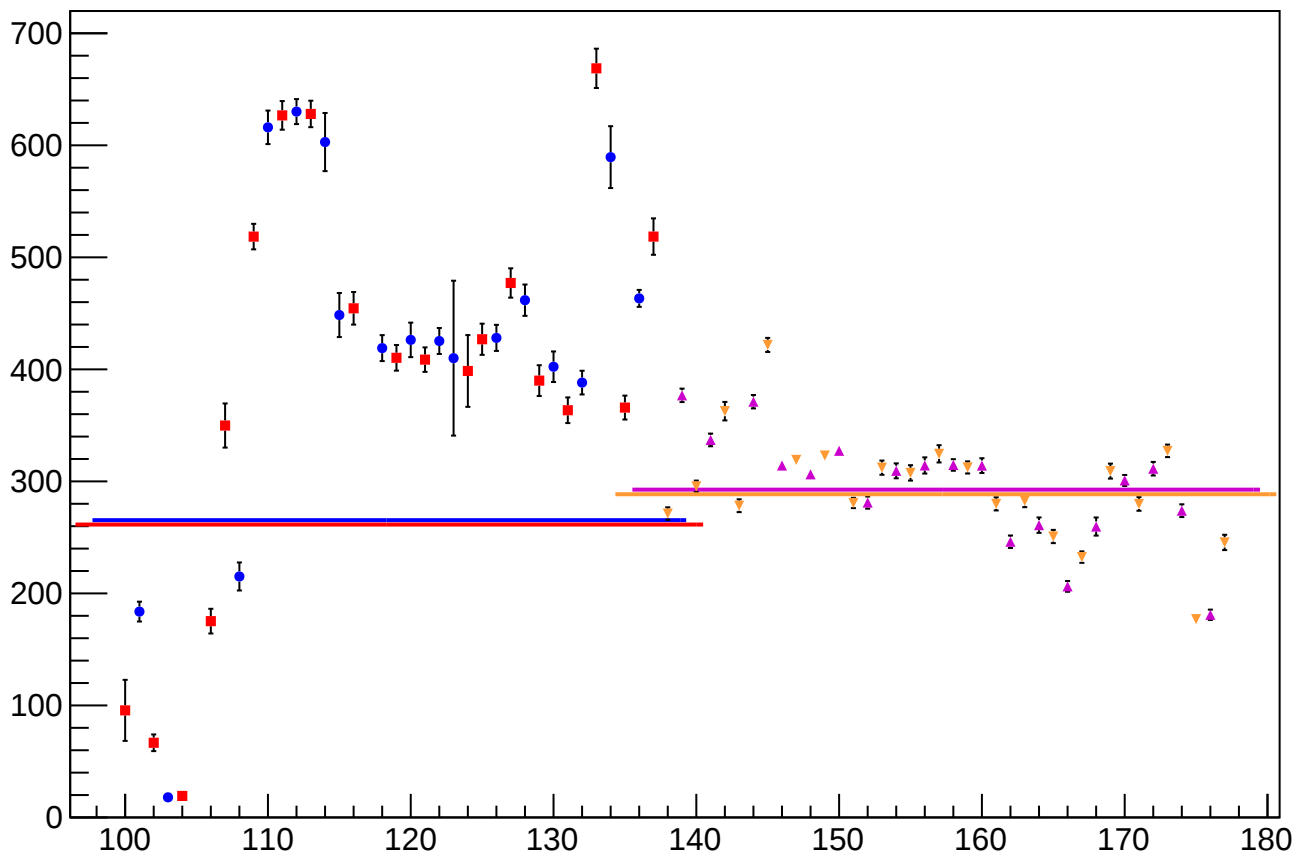
Right: -2.728 ± 1.011 χ^2/NDF : 421.8/35

In: 3.611 ± 0.772 χ^2/NDF : 631.5/35

Out: 2.552 ± 0.735 χ^2/NDF : 714.7/39

All: 3.056 ± 0.532 χ^2/NDF : 1347.2/75

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 ± 2.488 $\chi^2/\text{NDF}: 7633.8/16$

Left Out: 288.511 ± 1.215 $\chi^2/\text{NDF}: 1692.5/20$

Right Out: 261.465 ± 2.458 $\chi^2/\text{NDF}: 8204.3/18$

Left In: 292.633 ± 1.247 $\chi^2/\text{NDF}: 1623.0/18$

Left: 290.519 ± 0.870 $\chi^2/\text{NDF}: 3321.1/39$

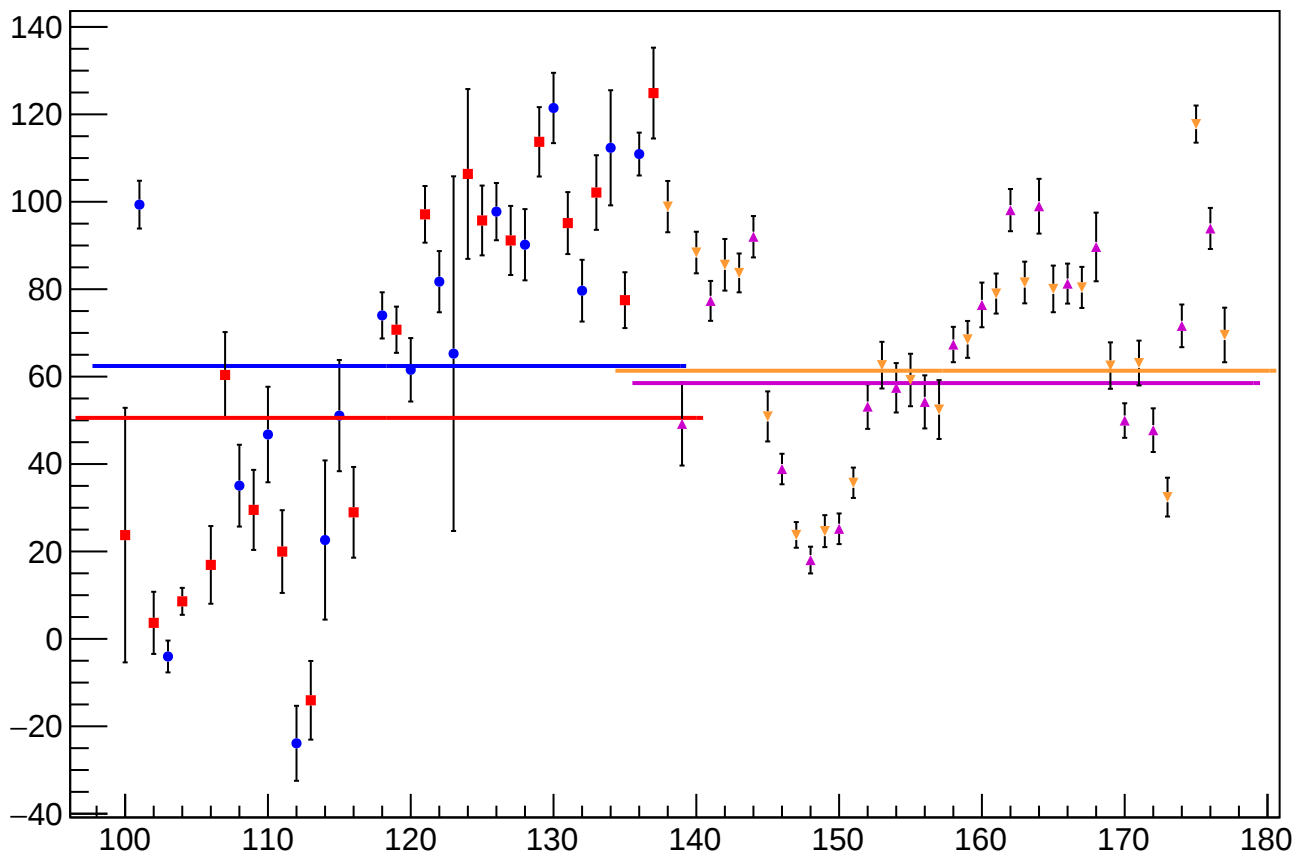
Right: 263.393 ± 1.749 $\chi^2/\text{NDF}: 15839.3/35$

In: 287.160 ± 1.115 $\chi^2/\text{NDF}: 9352.8/35$

Out: 283.198 ± 1.089 $\chi^2/\text{NDF}: 9994.1/39$

All: 285.134 ± 0.779 $\chi^2/\text{NDF}: 19353.3/75$

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: 61.345+/-1.013 χ^2 /NDF:724.7/20

Right Out: 50.560+/-1.642 χ^2 /NDF: 657.4/18

Left In: 58.522+/-1.058 χ^2 /NDF:606.4/18

Left: 59.995+/-0.731 χ^2 /NDF: 1334.8/39

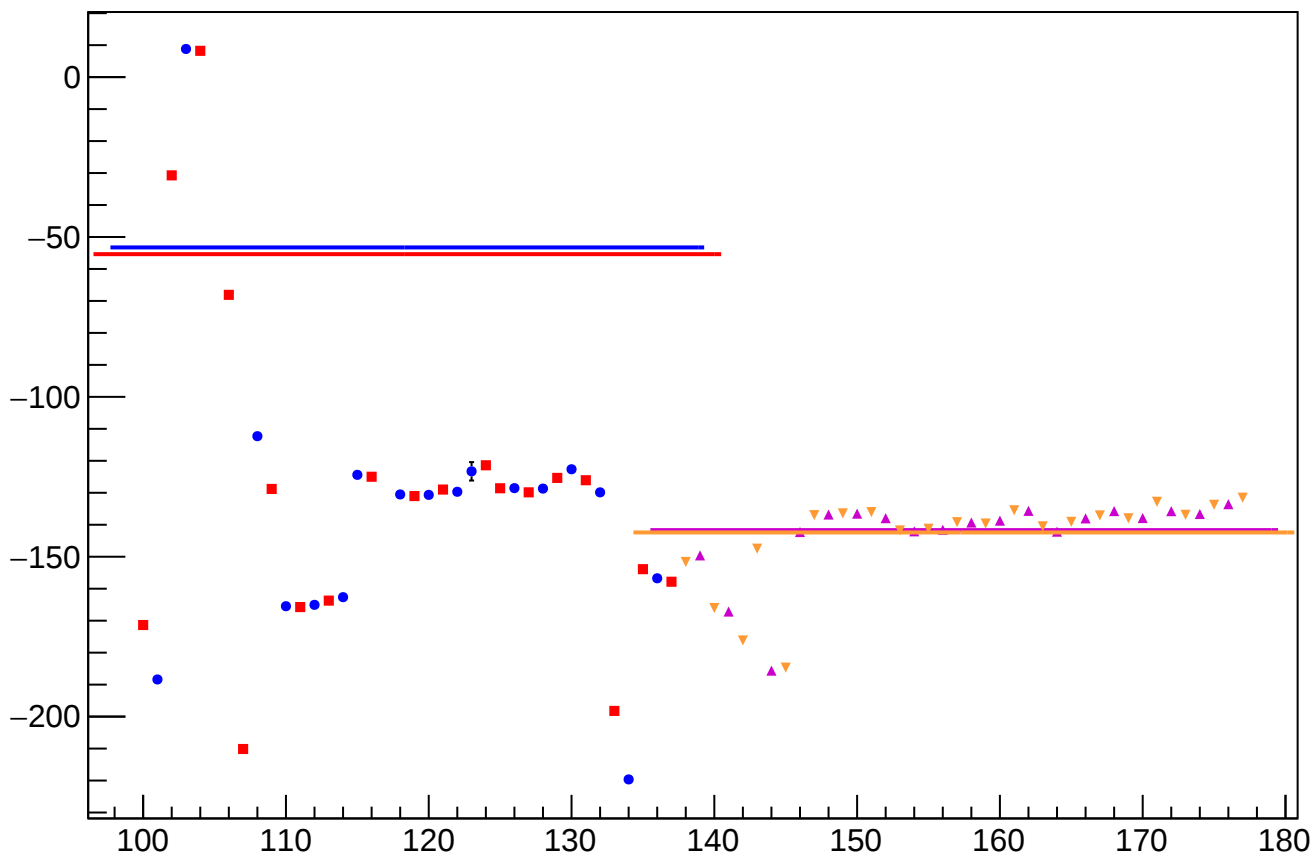
Right: 56.313+/-1.179 χ^2 /NDF: 1404.5/35

In: 59.620+/-0.897 χ^2 /NDF:1332.0/35

Out: 58.373+/-0.862 χ^2 /NDF:1413.3/39

All: 58.972+/-0.622 χ^2 /NDF: 2746.3/75

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -142.407 ± 0.049 $\chi^2/\text{NDF}: 64134.8/20$

Right Out: -55.373 ± 0.072 $\chi^2/\text{NDF}: 967027.2/18$

Left In: -141.675 ± 0.050 $\chi^2/\text{NDF}: 48656.5/18$

Left: -142.046 ± 0.035 $\chi^2/\text{NDF}: 112902.2/39$

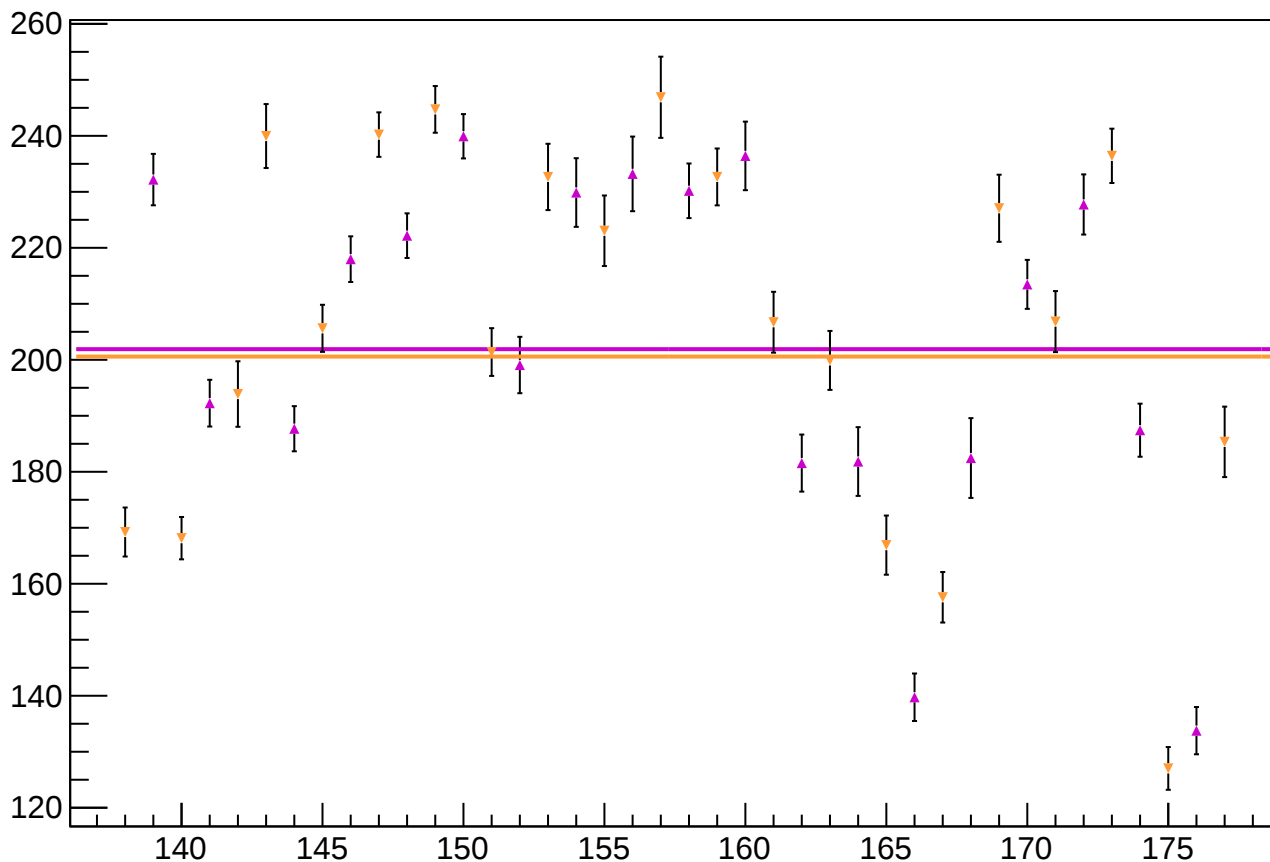
Right: -54.295 ± 0.050 $\chi^2/\text{NDF}: 2192958.9/35$

In: -112.412 ± 0.041 $\chi^2/\text{NDF}: 2328929.4/35$

Out: -114.972 ± 0.040 $\chi^2/\text{NDF}: 2033164.2/39$

All: -113.696 ± 0.029 $\chi^2/\text{NDF}: 4364096.6/75$

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: 200.577+/-1.067 χ^2/NDF :1094.7/20

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

Left In: 201.901+/-1.092 χ^2/NDF :852.6/18

Left: 201.224+/-0.763 χ^2/NDF : 1948.0/39

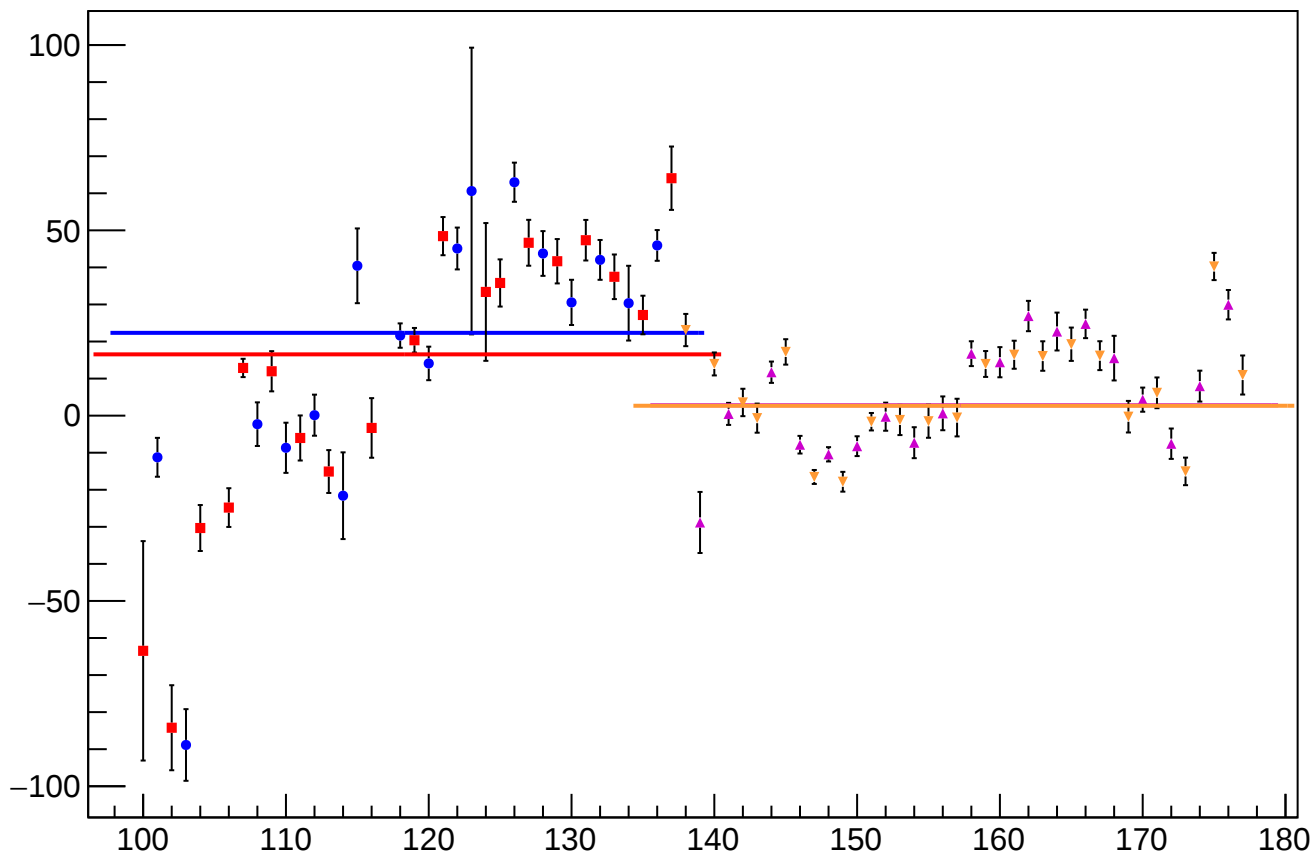
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 201.901+/-1.092 χ^2/NDF :852.6/18

Out: 200.577+/-1.067 χ^2/NDF :1094.7/20

All: 201.224+/-0.763 χ^2/NDF : 1948.0/39

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: 2.668 $\pm$ 0.754 χ^2 /NDF: 414.2/20

Right Out: 16.537 $\pm$ 1.227 χ^2 /NDF: 426.6/18

Left In: 2.795 $\pm$ 0.784 χ^2 /NDF: 282.8/18

Left: 2.729 $\pm$ 0.544 χ^2 /NDF: 697.0/39

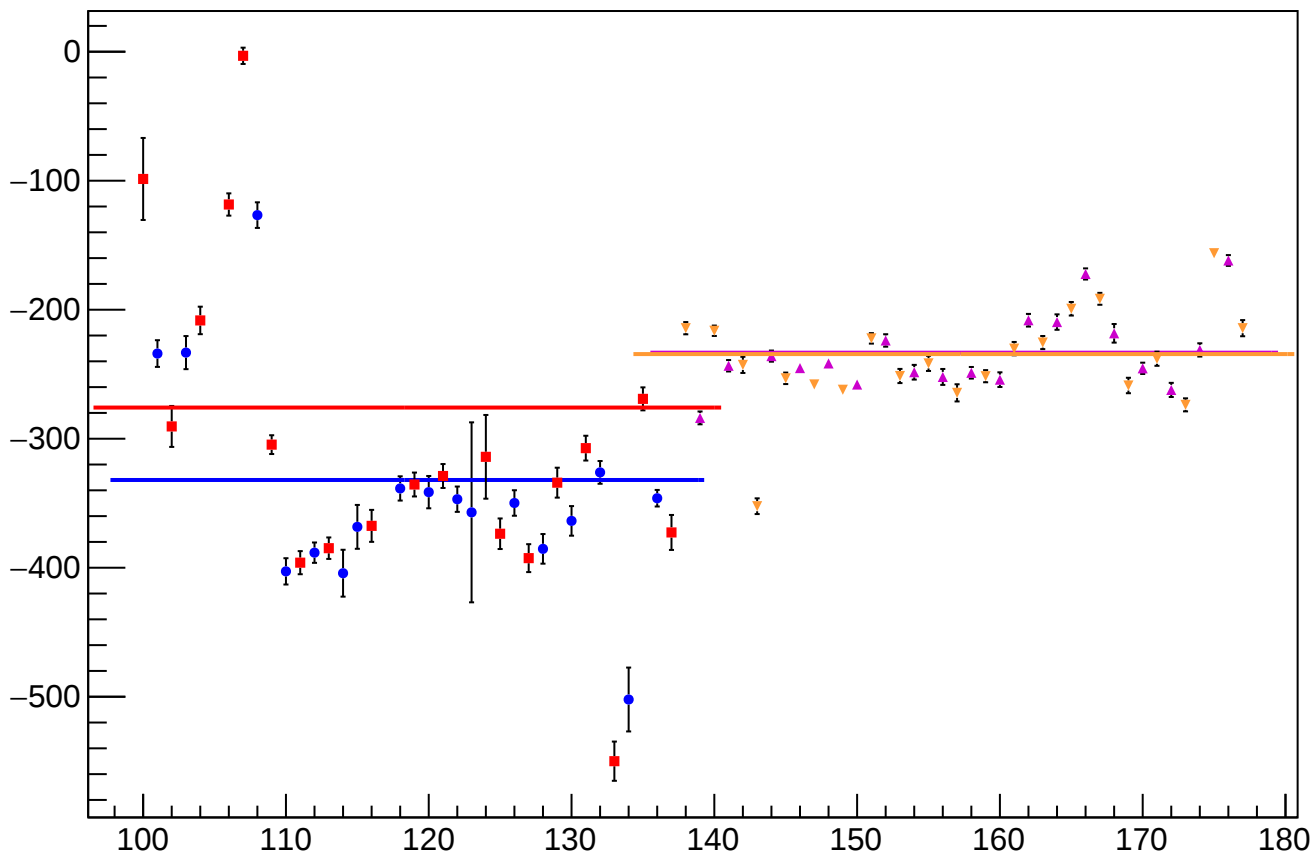
Right: 19.069 $\pm$ 0.922 χ^2 /NDF: 822.2/35

In: 7.488 $\pm$ 0.684 χ^2 /NDF: 817.8/35

Out: 6.470 $\pm$ 0.643 χ^2 /NDF: 933.5/39

All: 6.948 $\pm$ 0.468 χ^2 /NDF: 1752.4/75

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989 ± 2.580 $\chi^2/\text{NDF}: 785.0/16$

Left Out: -234.388 ± 1.059 $\chi^2/\text{NDF}: 1219.0/20$

Right Out: -275.842 ± 2.325 $\chi^2/\text{NDF}: 3362.2/18$

Left In: -233.304 ± 1.079 $\chi^2/\text{NDF}: 787.7/18$

Left: -233.856 ± 0.756 $\chi^2/\text{NDF}: 2007.3/39$

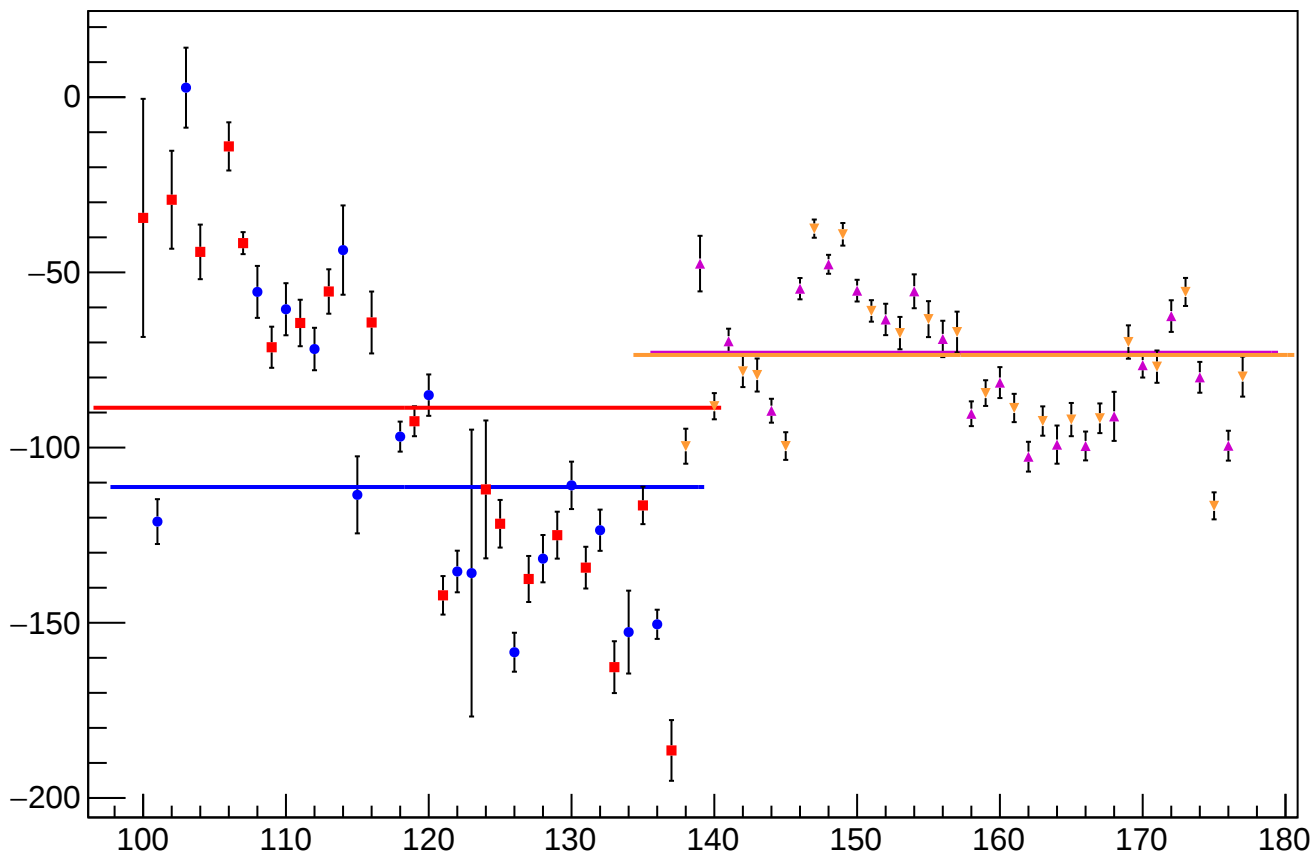
Right: -300.997 ± 1.727 $\chi^2/\text{NDF}: 4408.6/35$

In: -247.998 ± 0.996 $\chi^2/\text{NDF}: 2817.7/35$

Out: -241.515 ± 0.964 $\chi^2/\text{NDF}: 4844.6/39$

All: -244.652 ± 0.693 $\chi^2/\text{NDF}: 7684.2/75$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -73.564 ± 0.884 $\chi^2/\text{NDF}: 642.5/20$

Right Out: -88.633 ± 1.433 $\chi^2/\text{NDF}: 971.0/18$

Left In: -72.935 ± 0.915 $\chi^2/\text{NDF}: 404.9/18$

Left: -73.260 ± 0.636 $\chi^2/\text{NDF}: 1047.6/39$

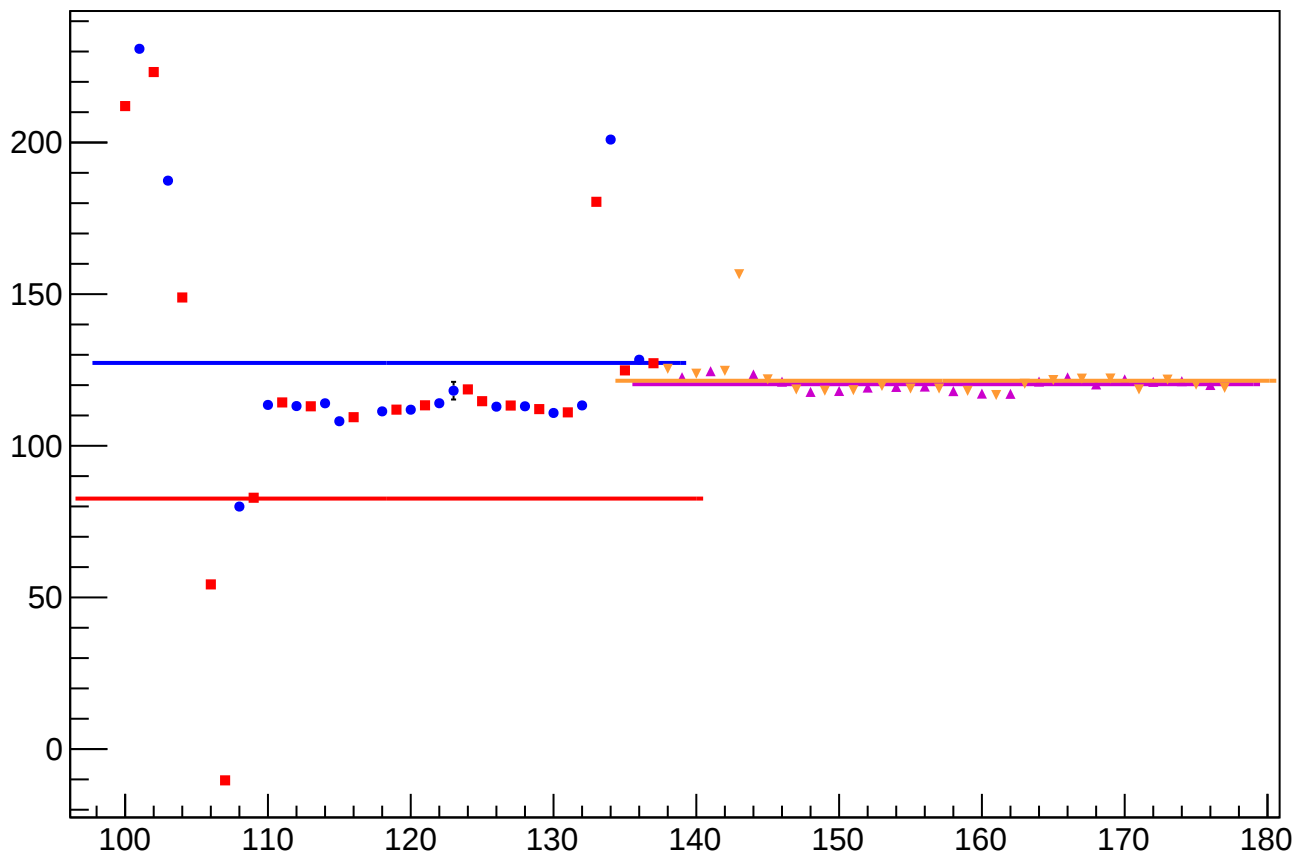
Right: -98.723 ± 1.067 $\chi^2/\text{NDF}: 1591.7/35$

In: -82.405 ± 0.794 $\chi^2/\text{NDF}: 1348.0/35$

Out: -77.717 ± 0.752 $\chi^2/\text{NDF}: 1693.5/39$

All: -79.934 ± 0.546 $\chi^2/\text{NDF}: 3059.8/75$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 121.447+/-0.043 χ^2/NDF : 24088.1/20

Right Out: 82.595+/-0.075 χ^2/NDF : 765022.5/18

Left In: 120.309+/-0.043 χ^2/NDF : 2564.3/18

Left: 120.883+/-0.030 χ^2/NDF : 27007.5/39

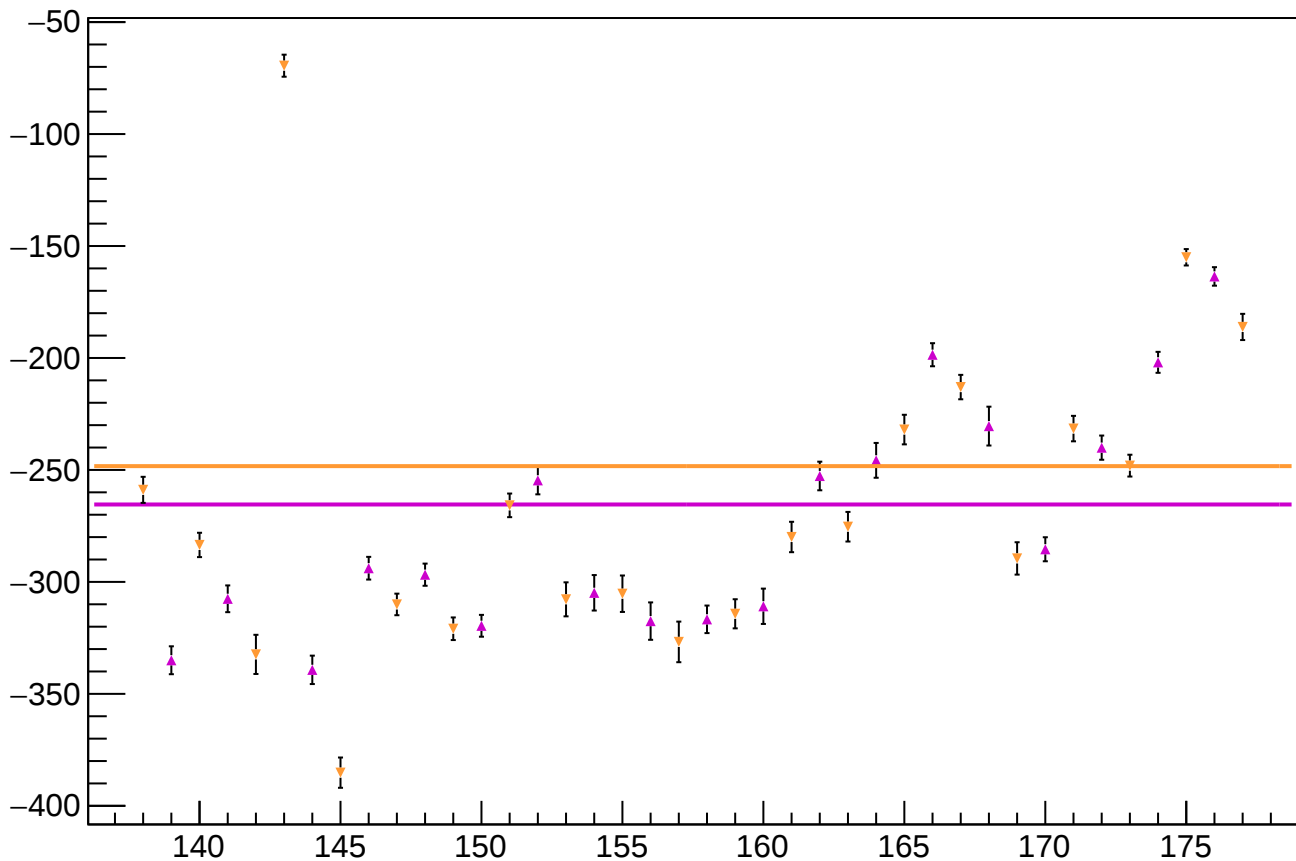
Right: 101.169+/-0.058 χ^2/NDF : 1099026.8/35

In: 121.620+/-0.039 χ^2/NDF : 195340.8/35

Out: 112.071+/-0.037 χ^2/NDF : 990686.5/39

All: 116.639+/-0.027 χ^2/NDF : 1217836.3/75

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: -248.300+/-1.267 χ^2/NDF :3425.6/20

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

Left In: -265.429+/-1.332 χ^2/NDF :1696.5/18

Left: -256.437+/-0.918 χ^2/NDF : 5208.9/39

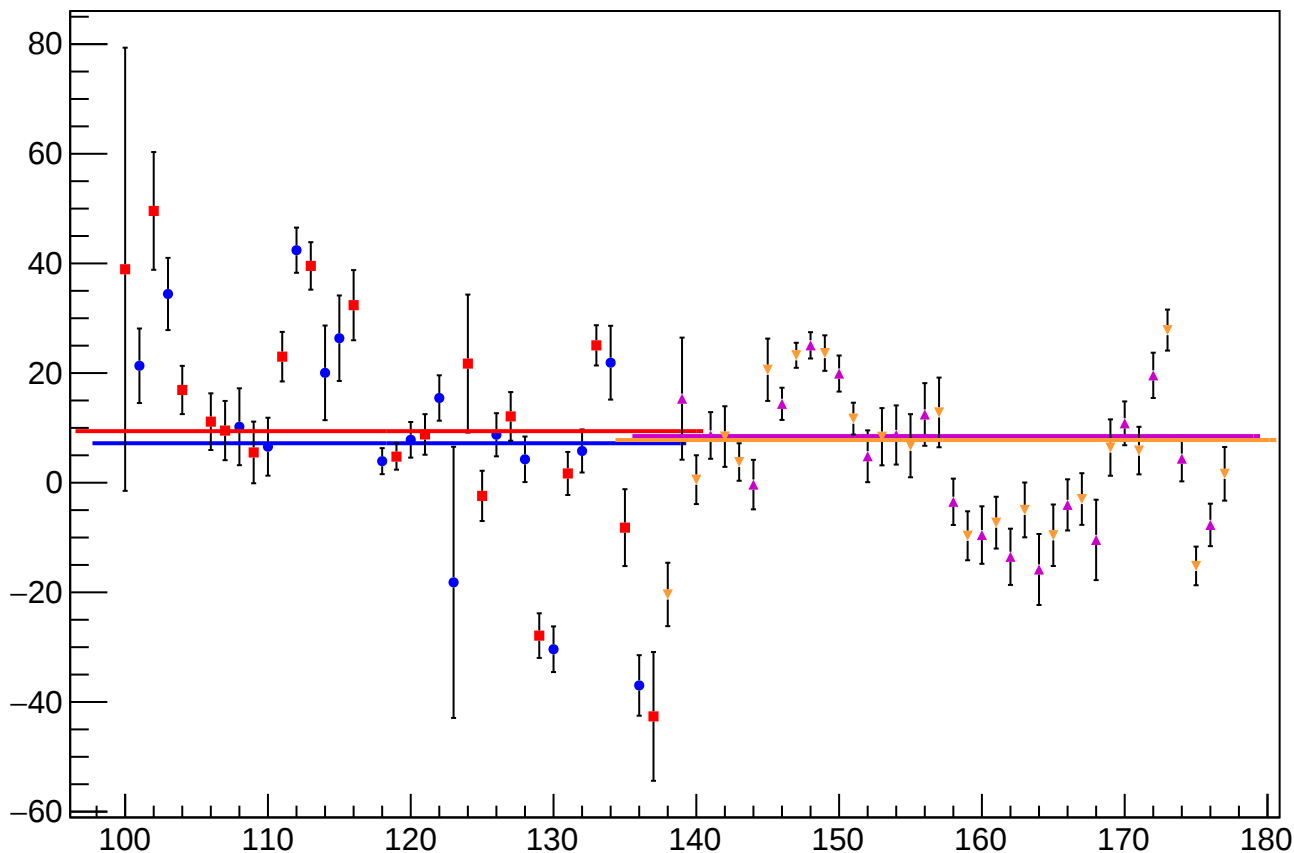
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -265.429+/-1.332 χ^2/NDF :1696.5/18

Out: -248.300+/-1.267 χ^2/NDF :3425.6/20

All: -256.437+/-0.918 χ^2/NDF : 5208.9/39

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: 7.785 ± 0.904 χ^2/NDF : 225.1/20

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

Left In: 8.505 ± 0.967 χ^2/NDF : 161.2/18

Left: 8.121 ± 0.660 χ^2/NDF : 386.6/39

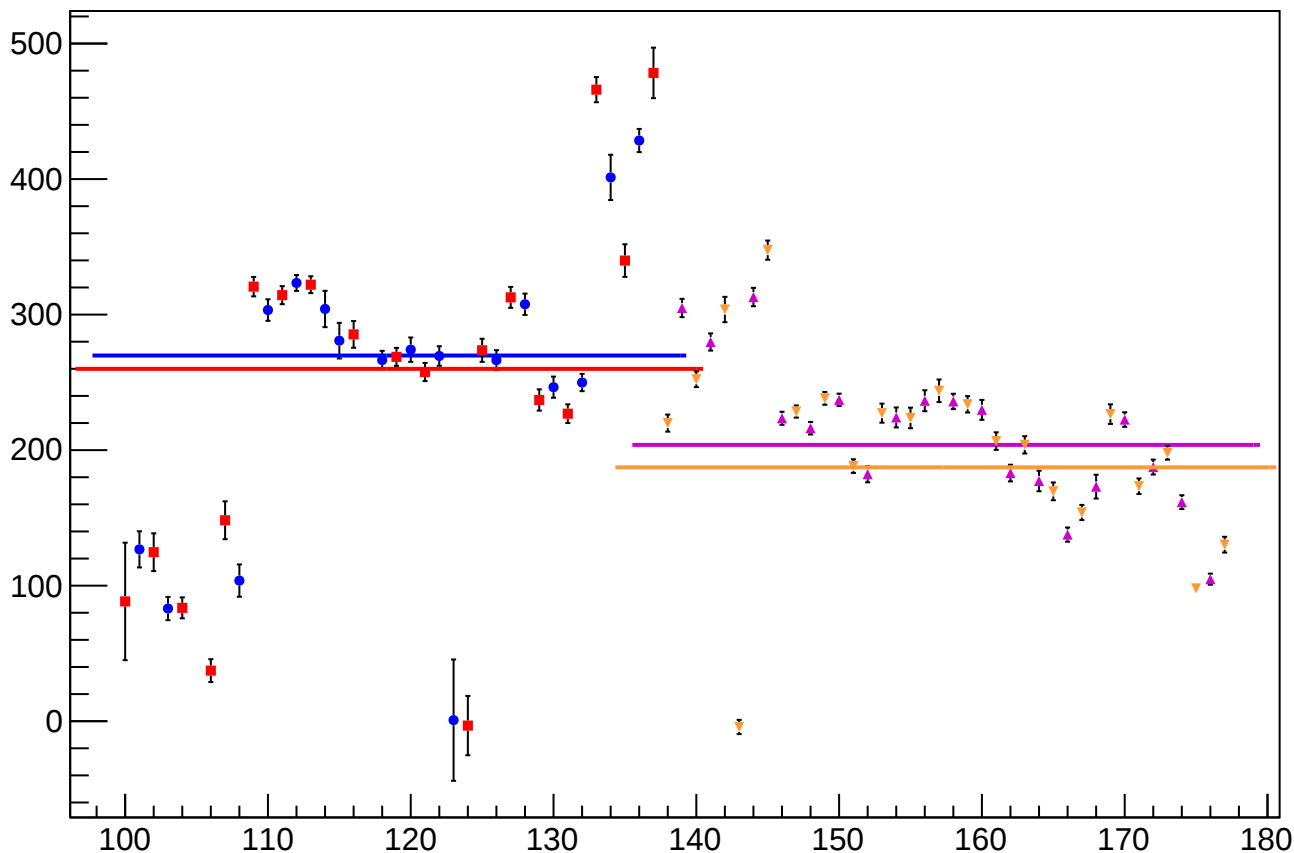
Right: 8.333 ± 0.768 χ^2/NDF : 495.1/35

In: 7.937 ± 0.727 χ^2/NDF : 422.9/35

Out: 8.458 ± 0.691 χ^2/NDF : 458.5/39

All: 8.211 ± 0.501 χ^2/NDF : 881.7/75

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: 187.310 $\pm$ 1.258 χ^2 /NDF:3300.0/20

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

Left In: 203.864 $\pm$ 1.316 χ^2 /NDF:1656.0/18

Left: 195.211 $\pm$ 0.909 χ^2 /NDF: 5038.7/39

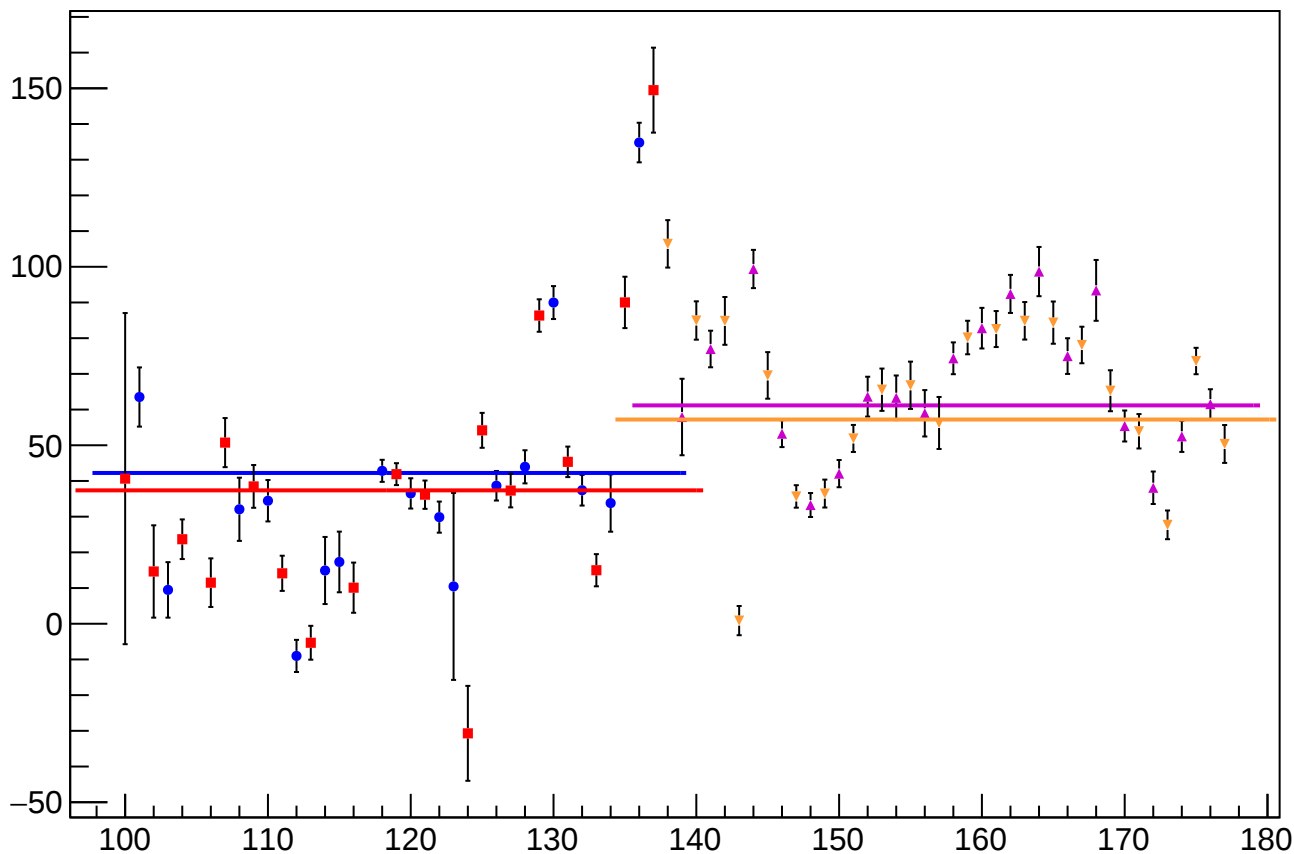
Right: 264.622 $\pm$ 1.436 χ^2 /NDF: 3924.4/35

In: 222.602 $\pm$ 1.114 χ^2 /NDF:3743.3/35

Out: 208.247 $\pm$ 1.061 χ^2 /NDF:6800.6/39

All: 215.078 $\pm$ 0.768 χ^2 /NDF: 10631.0/75

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 $\pm$ 1.274 χ^2/NDF : 574.4/16

Left Out: 57.215 $\pm$ 1.054 χ^2/NDF : 565.0/20

Right Out: 37.367 $\pm$ 1.235 χ^2/NDF : 472.3/18

Left In: 61.167 $\pm$ 1.122 χ^2/NDF : 299.9/18

Left: 59.067 $\pm$ 0.768 χ^2/NDF : 871.5/39

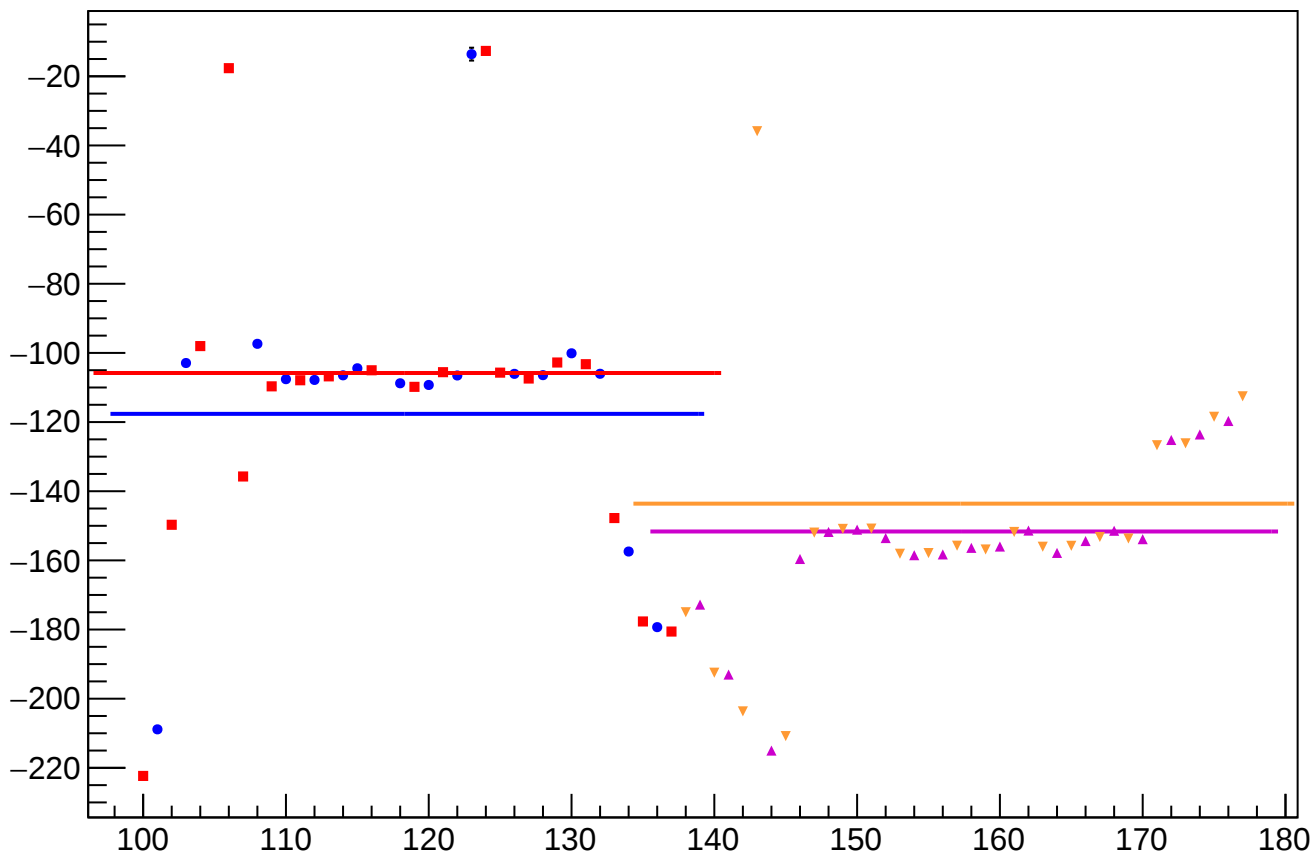
Right: 39.728 $\pm$ 0.886 χ^2/NDF : 1054.2/35

In: 52.895 $\pm$ 0.842 χ^2/NDF : 998.6/35

Out: 48.848 $\pm$ 0.802 χ^2/NDF : 1186.8/39

All: 50.772 $\pm$ 0.581 χ^2/NDF : 2197.5/75

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: -143.593+/-0.051 χ^2/NDF : 477481.4/20

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

Left In: -151.645+/-0.052 χ^2/NDF : 154380.3/18

Left: -147.491+/-0.036 χ^2/NDF : 644095.9/39

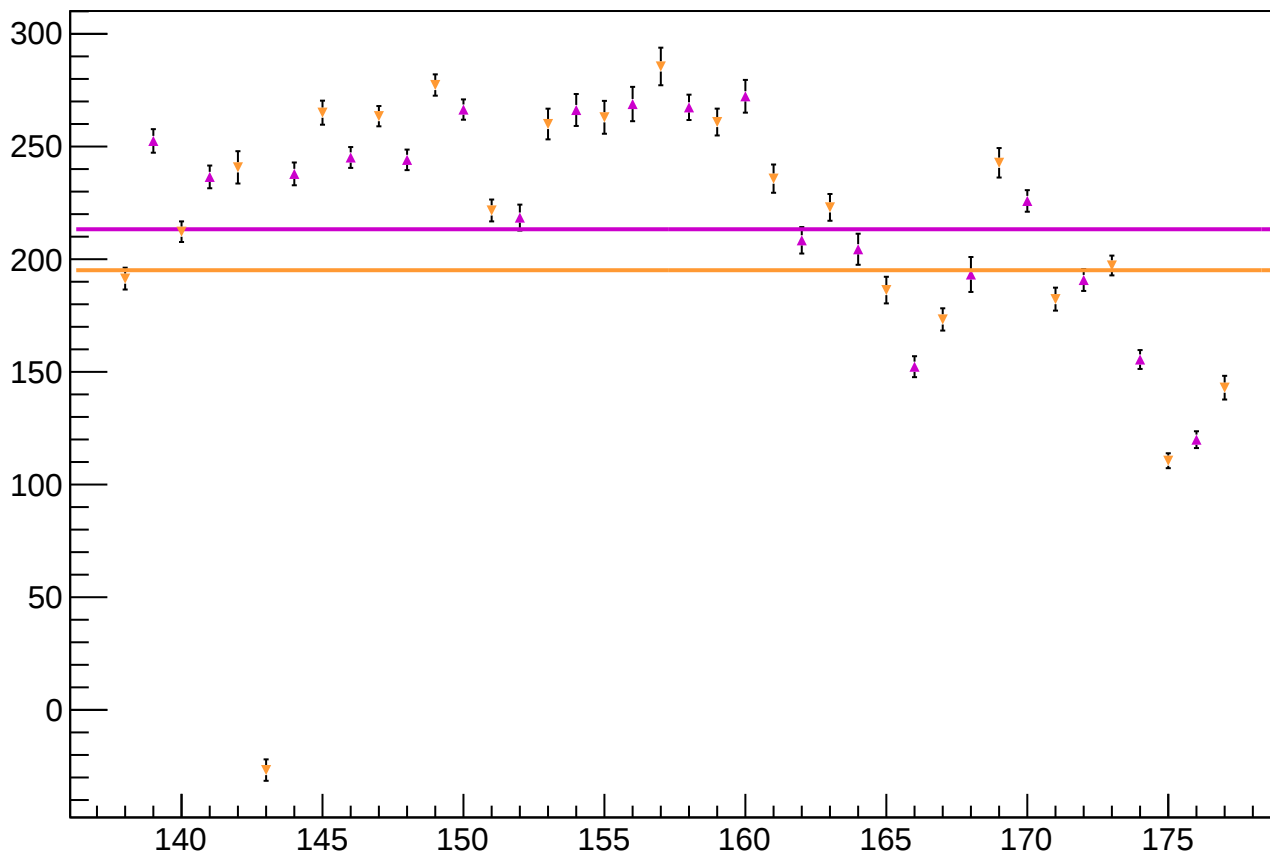
Right: -111.270+/-0.053 χ^2/NDF : 477157.6/35

In: -141.196+/-0.044 χ^2/NDF : 426291.4/35

Out: -131.271+/-0.042 χ^2/NDF : 982069.1/39

All: -136.007+/-0.030 χ^2/NDF : 1435551.1/75

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: 195.114+/-1.137 χ^2/NDF :4278.4/20

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

Left In: 213.293+/-1.191 χ^2/NDF :1627.6/18

Left: 203.783+/-0.823 χ^2/NDF : 6027.8/39

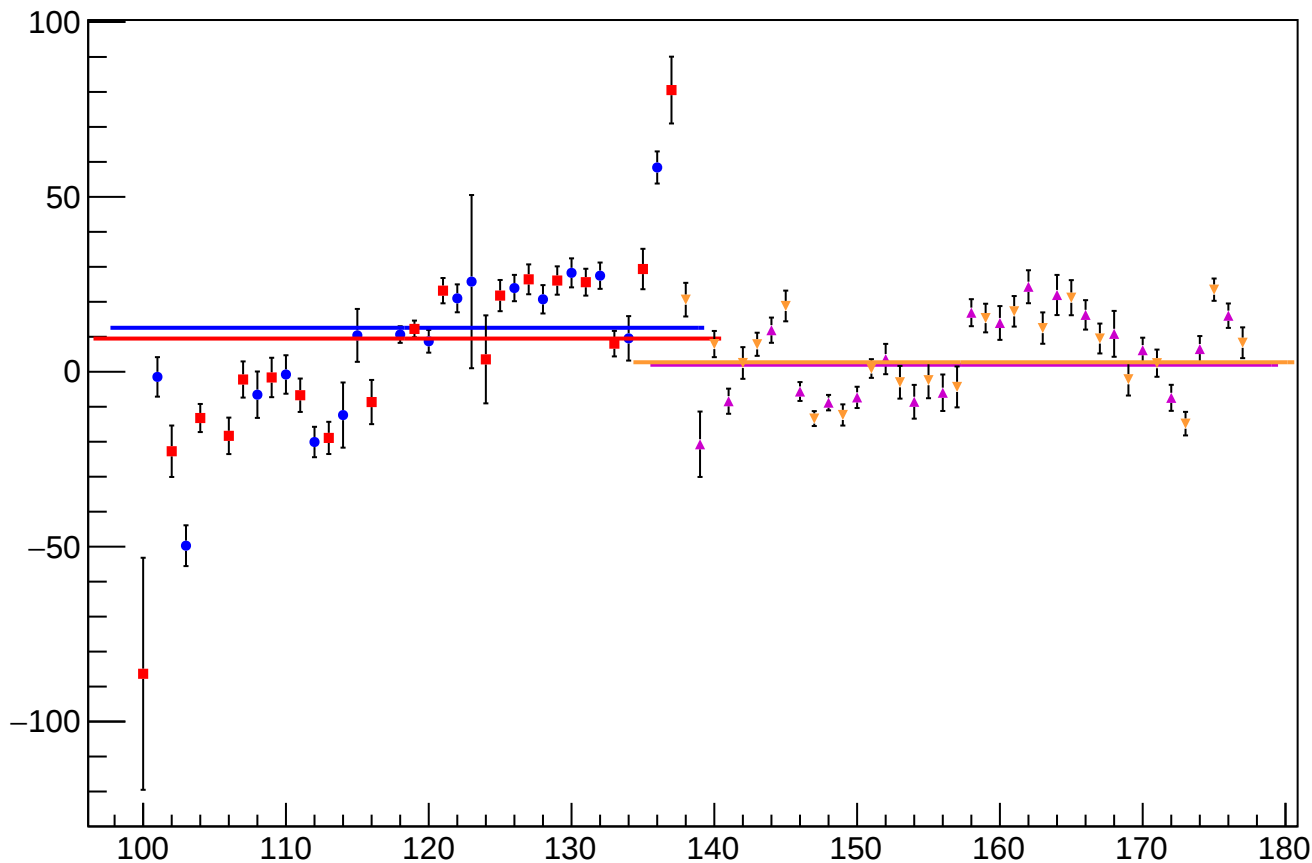
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 213.293+/-1.191 χ^2/NDF :1627.6/18

Out: 195.114+/-1.137 χ^2/NDF :4278.4/20

All: 203.783+/-0.823 χ^2/NDF : 6027.8/39

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: 2.719+/-0.818 χ^2/NDF :231.5/20

Right Out: 9.493+/-1.047 χ^2/NDF : 295.8/18

Left In: 2.006+/-0.871 χ^2/NDF :164.7/18

Left: 2.385+/-0.596 χ^2/NDF : 396.6/39

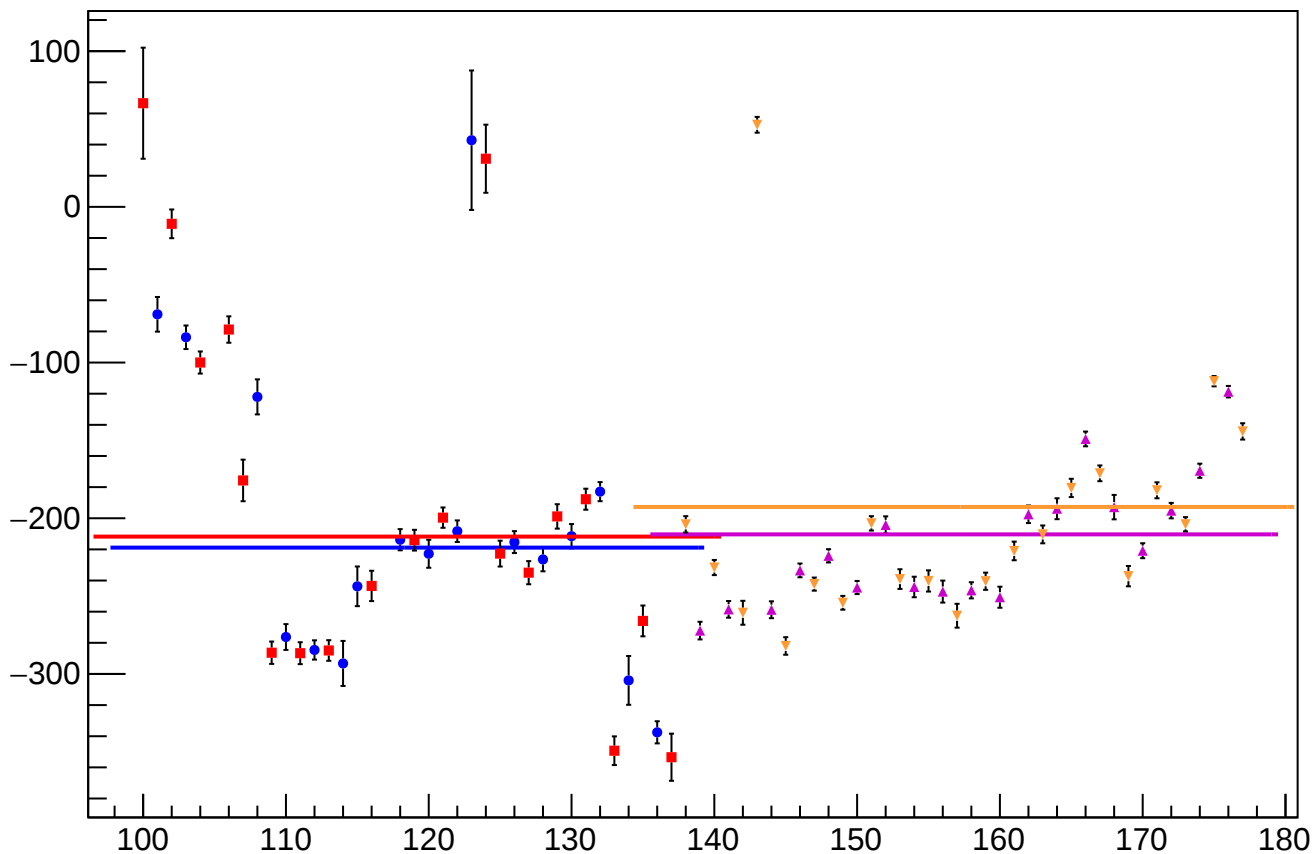
Right: 10.995+/-0.750 χ^2/NDF : 648.0/35

In: 6.197+/-0.676 χ^2/NDF :571.2/35

Out: 5.285+/-0.645 χ^2/NDF :553.3/39

All: 5.719+/-0.467 χ^2/NDF : 1125.4/75

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: -192.741 ± 1.132 χ^2/NDF : 4128.1/20

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

Left In: -210.351 ± 1.181 χ^2/NDF : 1416.0/18

Left: -201.176 ± 0.817 χ^2/NDF : 5660.0/39

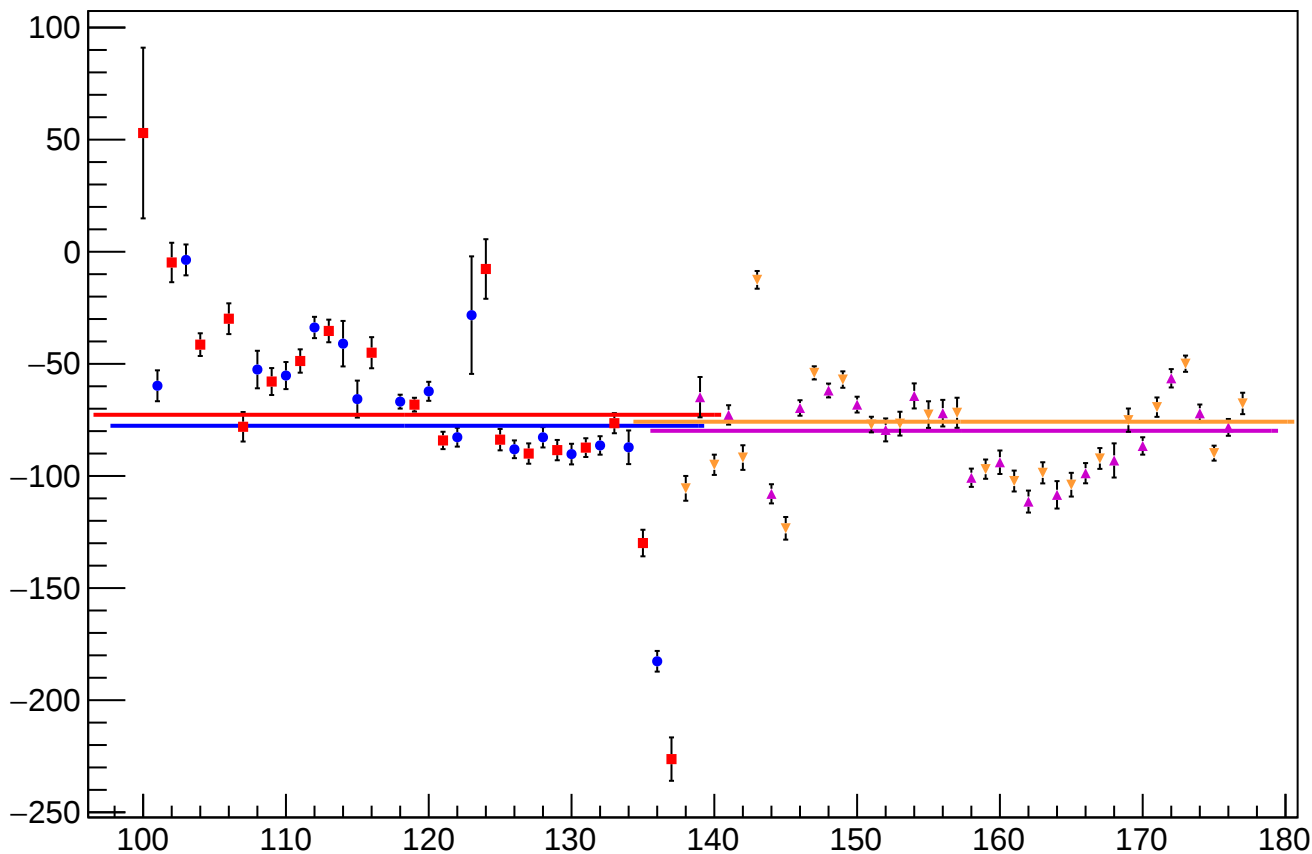
Right: -215.141 ± 1.394 χ^2/NDF : 3038.2/35

In: -212.512 ± 1.020 χ^2/NDF : 2575.8/35

Out: -197.638 ± 0.976 χ^2/NDF : 6086.0/39

All: -204.748 ± 0.705 χ^2/NDF : 8772.9/75

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -75.800 ± 0.952 χ^2/NDF : 676.7/20

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

Left In: -79.856 ± 1.009 χ^2/NDF : 269.0/18

Left: -77.710 ± 0.692 χ^2/NDF : 954.2/39

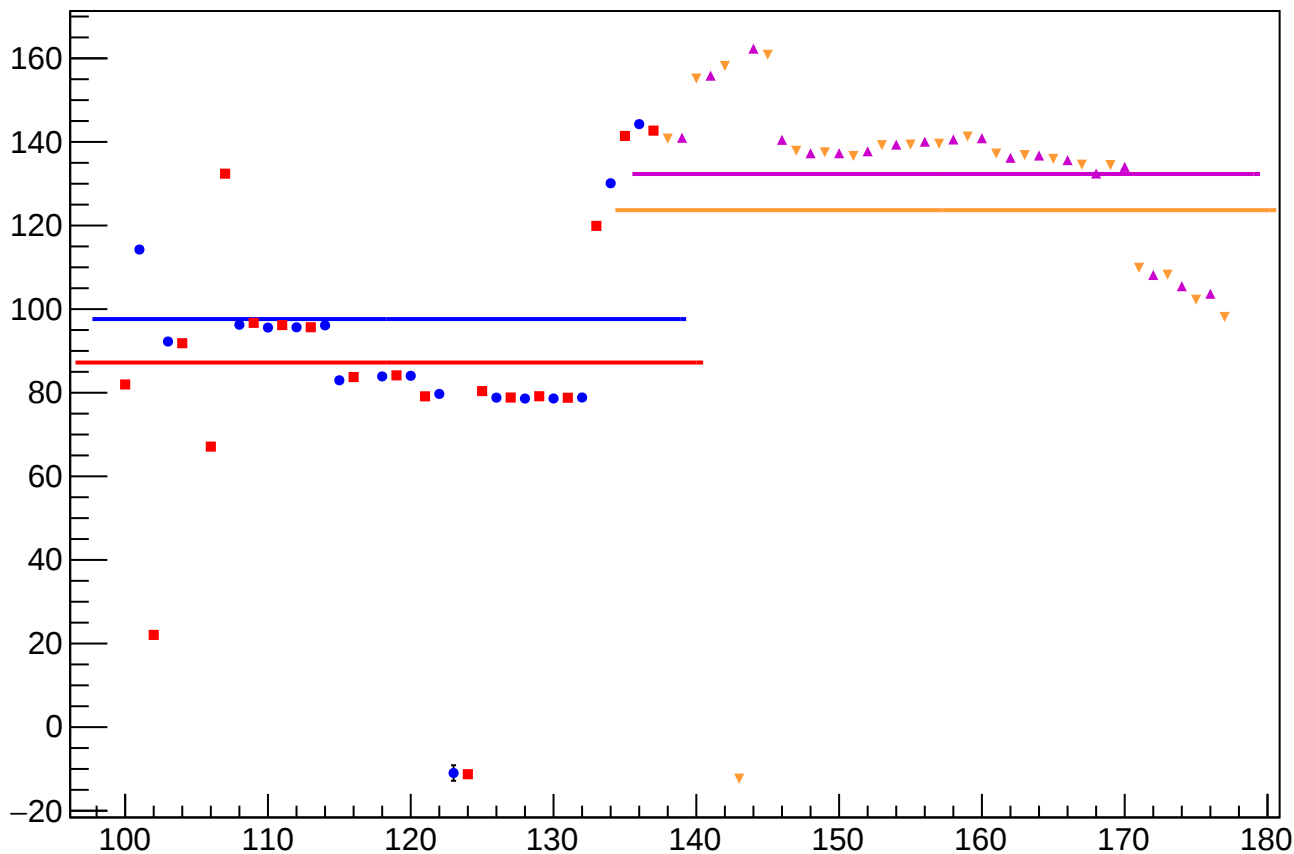
Right: -75.100 ± 0.863 χ^2/NDF : 1495.4/35

In: -78.959 ± 0.782 χ^2/NDF : 1086.9/35

Out: -74.614 ± 0.747 χ^2/NDF : 1352.2/39

All: -76.688 ± 0.540 χ^2/NDF : 2455.2/75

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: 123.672 $\pm$ 0.046 χ^2 /NDF: 615208.3/20

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

Left In: 132.324 $\pm$ 0.047 χ^2 /NDF: 114023.1/18

Left: 127.875 $\pm$ 0.033 χ^2 /NDF: 746760.3/39

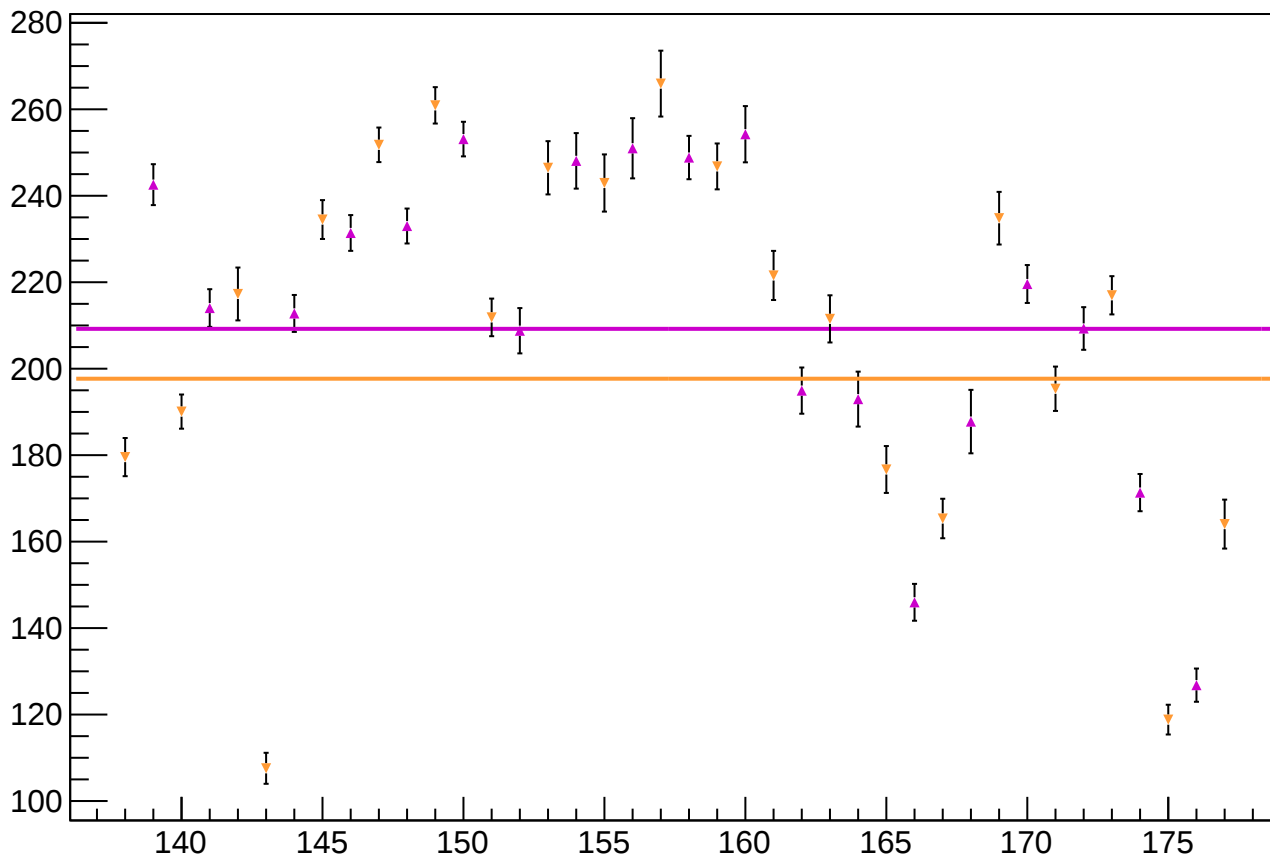
Right: 92.025 $\pm$ 0.050 χ^2 /NDF: 325598.1/35

In: 122.335 $\pm$ 0.040 χ^2 /NDF: 365930.1/35

Out: 112.445 $\pm$ 0.038 χ^2 /NDF: 1033271.1/39

All: 117.179 $\pm$ 0.027 χ^2 /NDF: 1431810.0/75

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: 197.684+/-1.042 χ^2/NDF :2130.2/20

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

Left In: 209.218+/-1.100 χ^2/NDF :1203.4/18

Left: 203.140+/-0.756 χ^2/NDF : 3391.6/39

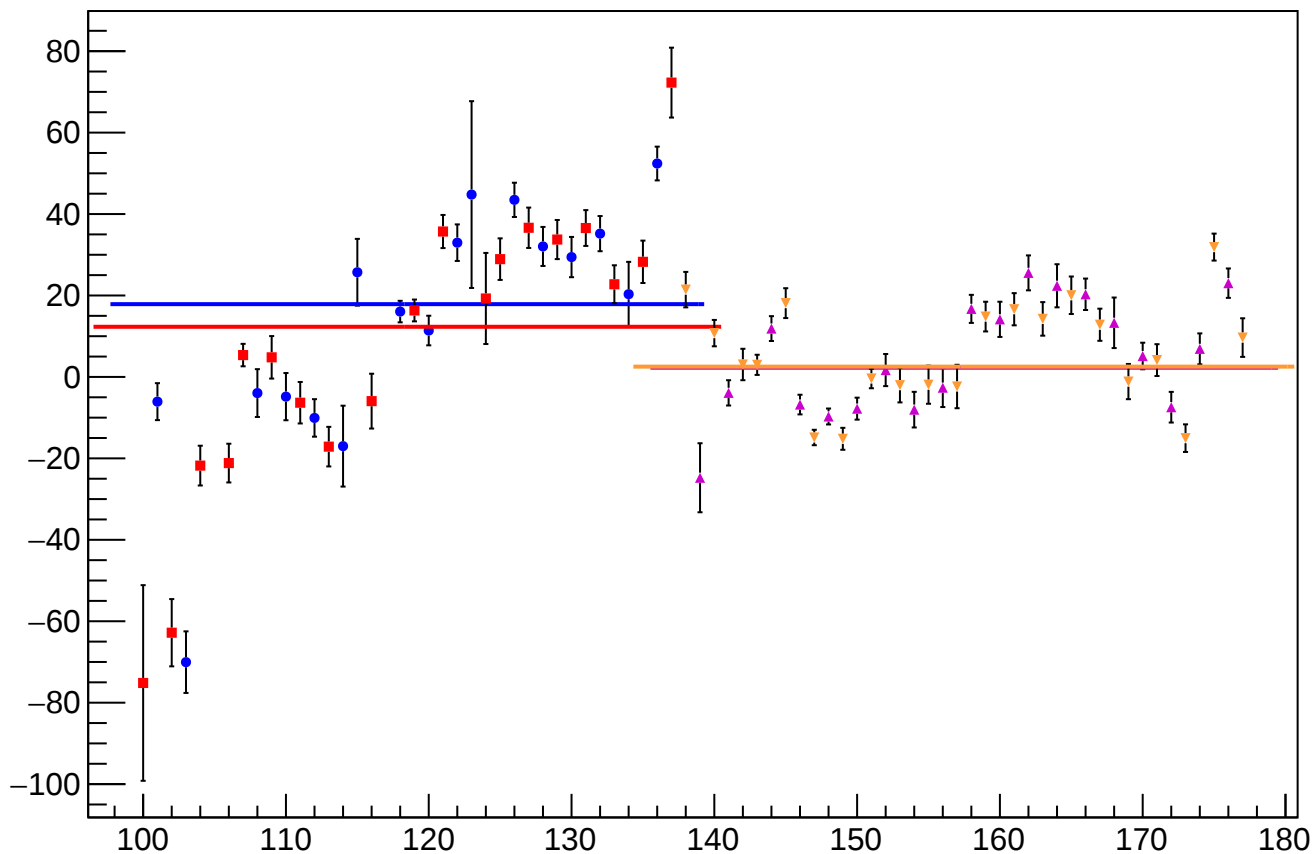
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 209.218+/-1.100 χ^2/NDF :1203.4/18

Out: 197.684+/-1.042 χ^2/NDF :2130.2/20

All: 203.140+/-0.756 χ^2/NDF : 3391.6/39

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 ± 1.166 χ^2/NDF : 395.3/16

Left Out: 2.530 ± 0.739 χ^2/NDF : 337.6/20

Right Out: 12.317 ± 1.083 χ^2/NDF : 444.0/18

Left In: 2.260 ± 0.794 χ^2/NDF : 232.1/18

Left: 2.405 ± 0.541 χ^2/NDF : 569.7/39

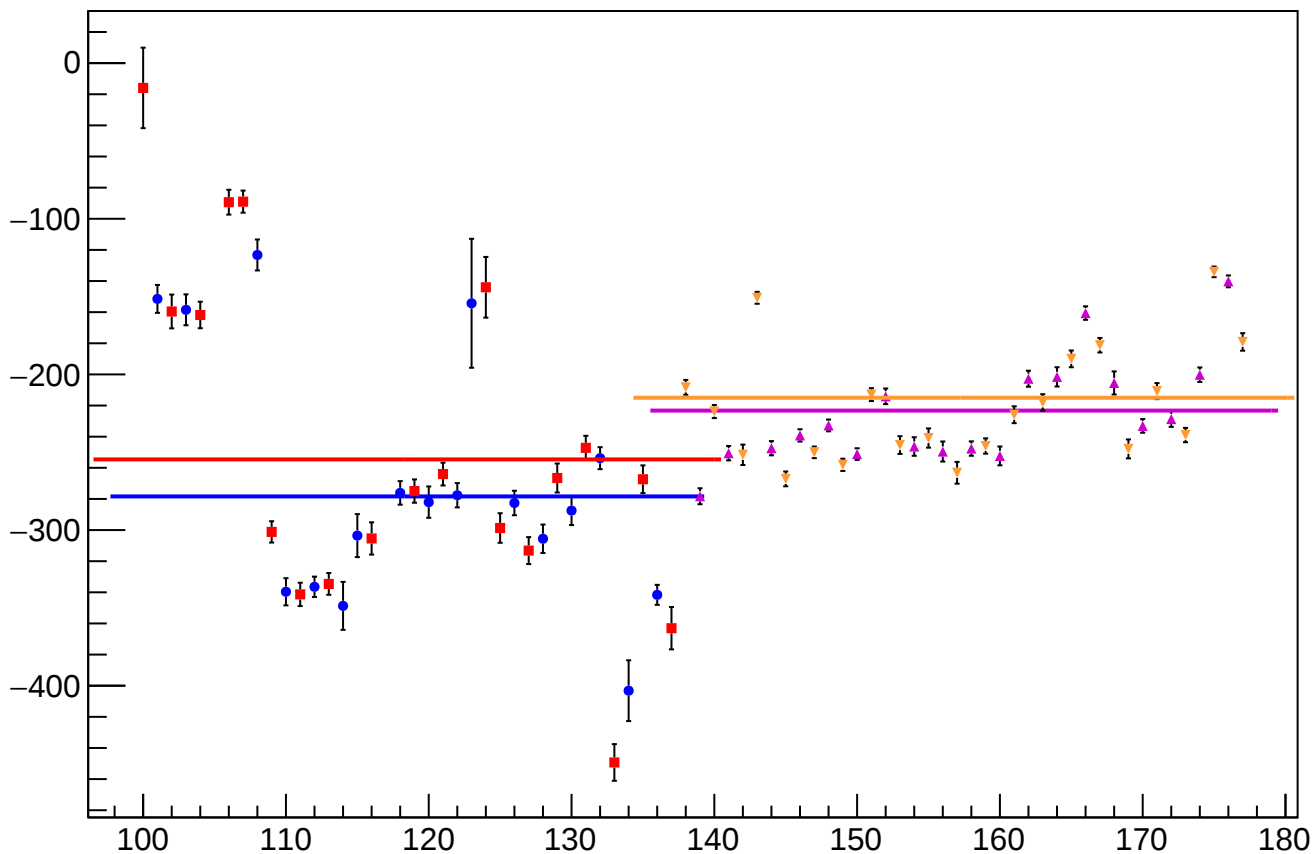
Right: 14.891 ± 0.794 χ^2/NDF : 851.6/35

In: 7.205 ± 0.656 χ^2/NDF : 749.9/35

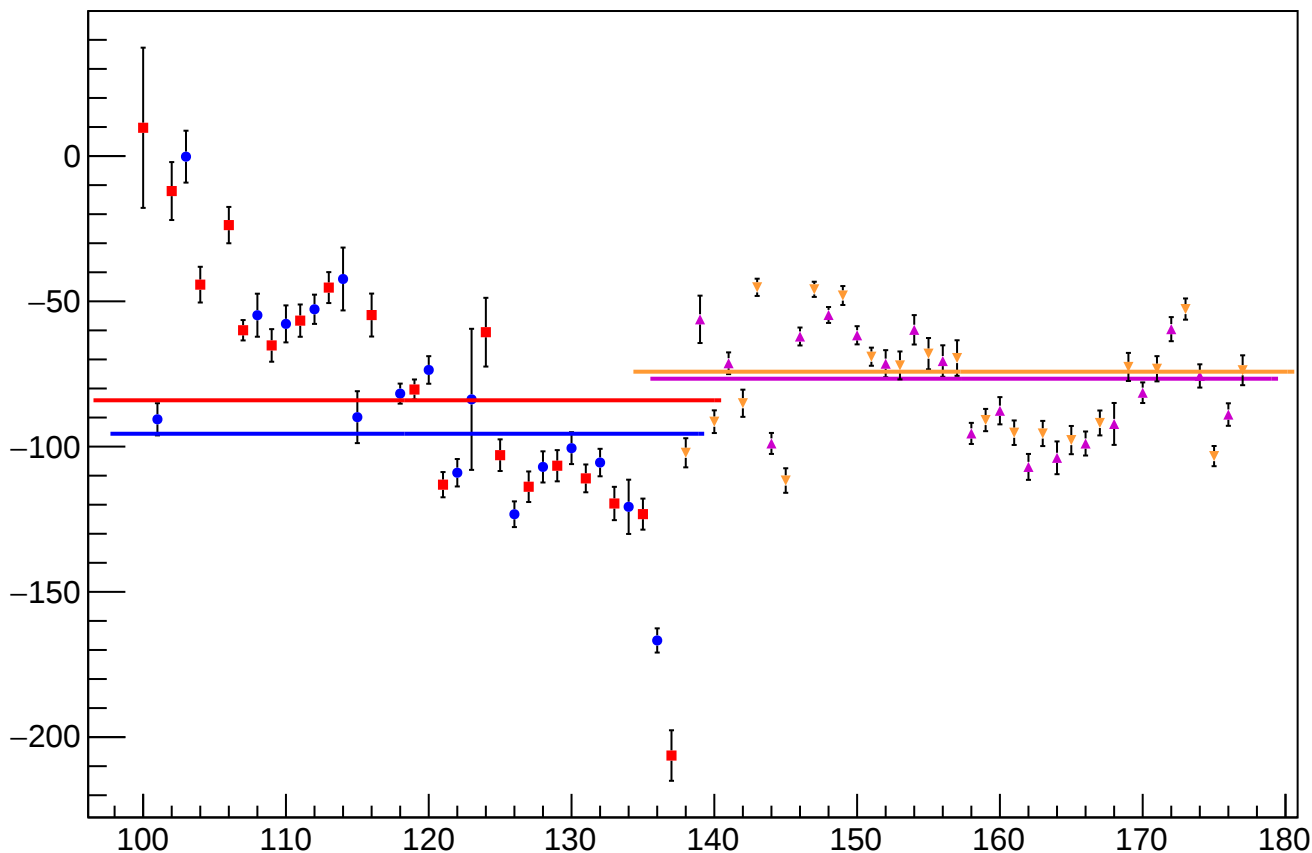
Out: 5.638 ± 0.610 χ^2/NDF : 837.3/39

All: 6.365 ± 0.447 χ^2/NDF : 1590.3/75

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -74.216 ± 0.866 χ^2/NDF : 630.9/20

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

Left In: -76.637 ± 0.925 χ^2/NDF : 333.6/18

Left: -75.347 ± 0.632 χ^2/NDF : 968.1/39

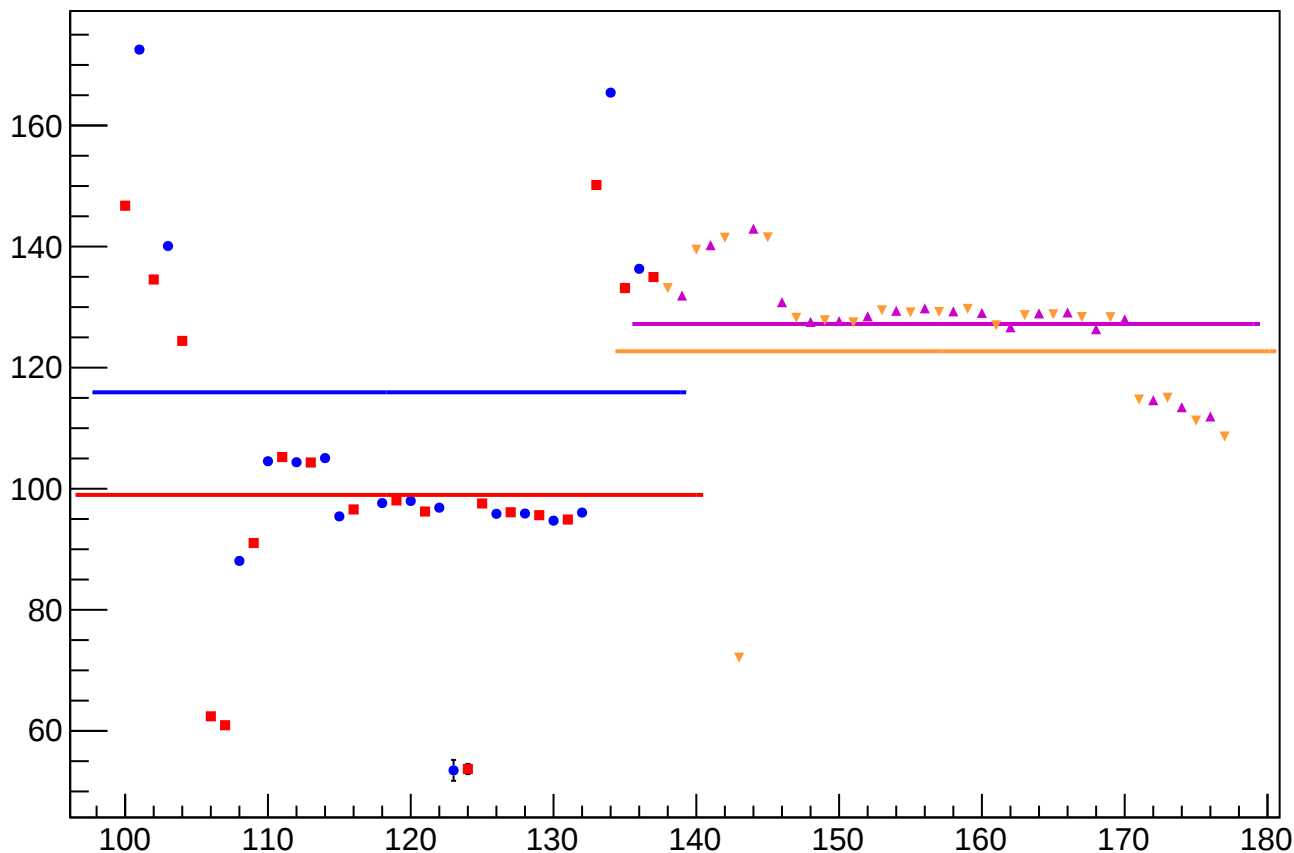
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -82.743 ± 0.761 χ^2/NDF : 1140.1/35

Out: -77.384 ± 0.713 χ^2/NDF : 1455.7/39

All: -79.889 ± 0.520 χ^2/NDF : 2622.2/75

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927+/-0.078 χ^2/NDF : 105791.4/16

Left Out: 122.707+/-0.042 χ^2/NDF :158539.7/20

Right Out: 98.981+/-0.069 χ^2/NDF : 172974.2/18

Left In: 127.217+/-0.043 χ^2/NDF :32091.8/18

Left: 124.883+/-0.030 χ^2/NDF : 196253.2/39

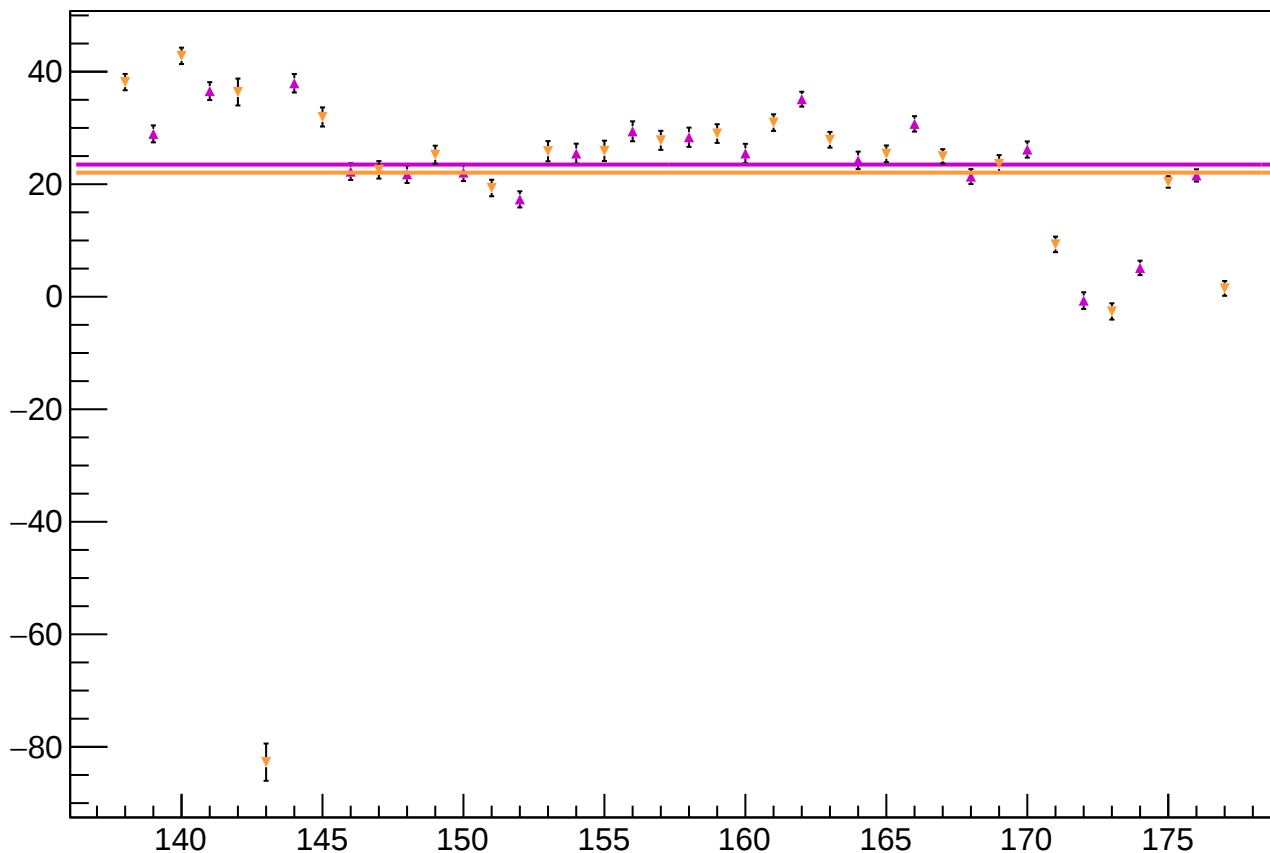
Right: 106.321+/-0.052 χ^2/NDF : 305233.1/35

In: 124.582+/-0.038 χ^2/NDF :153770.8/35

Out: 116.279+/-0.036 χ^2/NDF :418848.8/39

All: 120.181+/-0.026 χ^2/NDF : 598070.3/75

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 22.055 $\pm$ 0.330 χ^2 /NDF:2131.3/20

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

Left In: 23.492 $\pm$ 0.337 χ^2 /NDF:785.7/18

Left: 22.758 $\pm$ 0.236 χ^2 /NDF: 2926.2/39

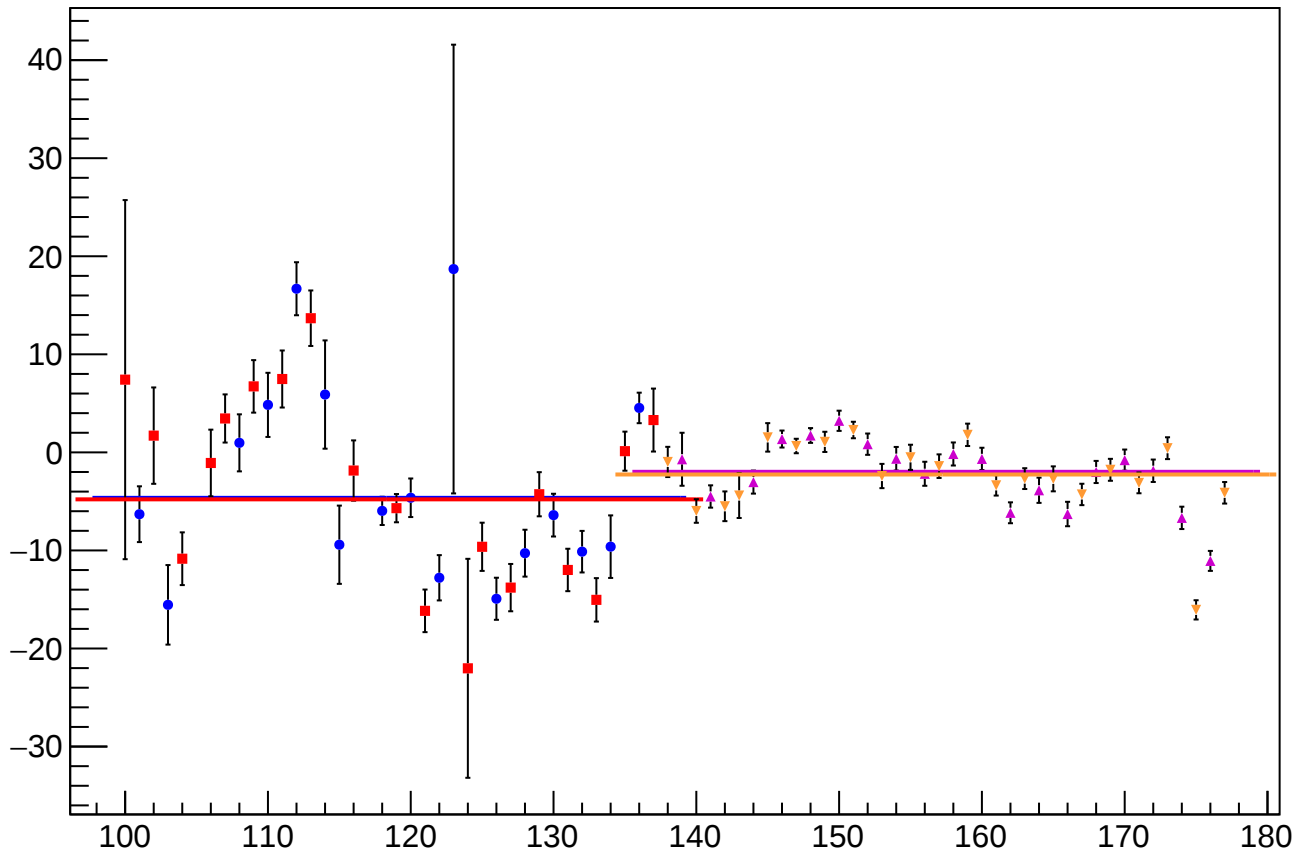
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 23.492 $\pm$ 0.337 χ^2 /NDF:785.7/18

Out: 22.055 $\pm$ 0.330 χ^2 /NDF:2131.3/20

All: 22.758 $\pm$ 0.236 χ^2 /NDF: 2926.2/39

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -2.255 ± 0.244 χ^2/NDF : 304.7/20

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

Left In: -1.982 ± 0.253 χ^2/NDF : 209.4/18

Left: -2.123 ± 0.176 χ^2/NDF : 514.7/39

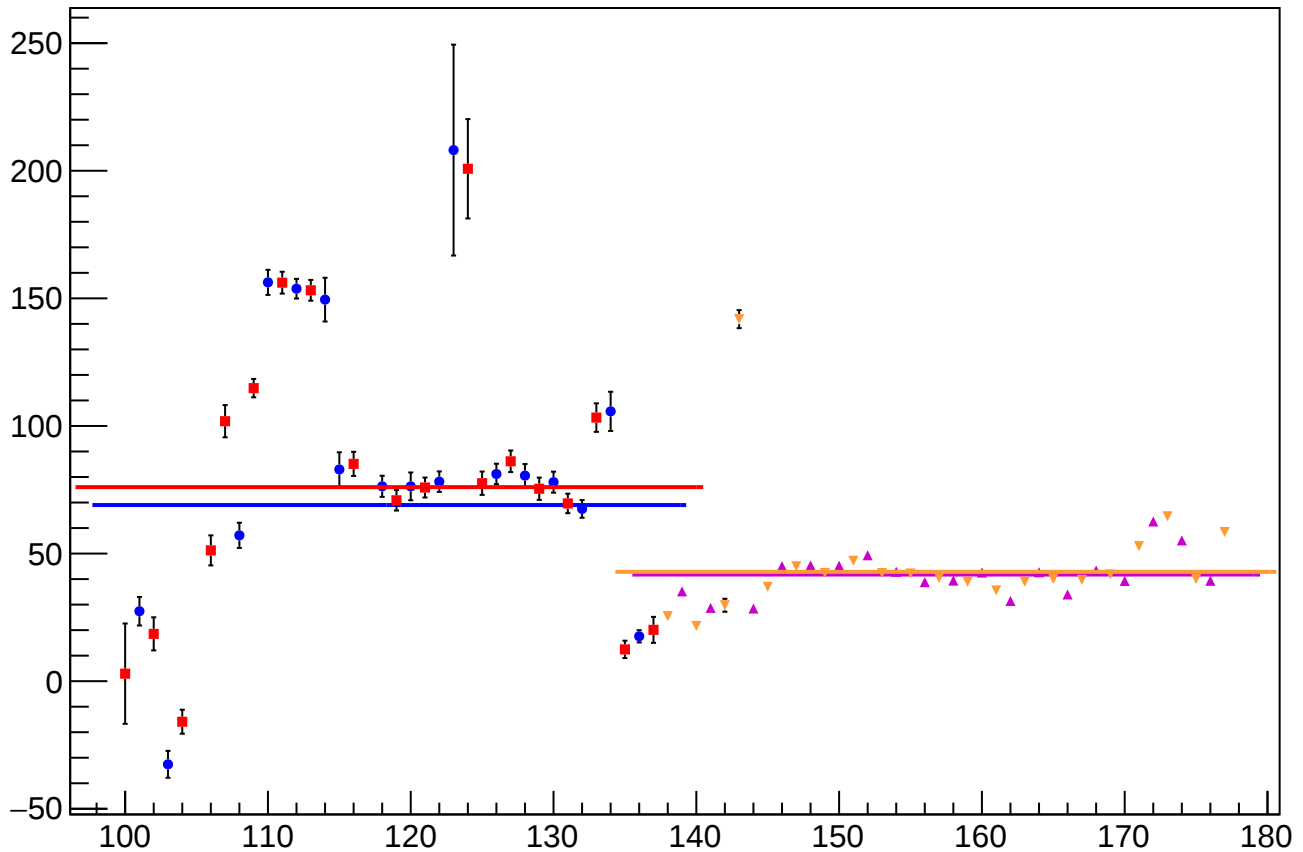
Right: -4.714 ± 0.414 χ^2/NDF : 367.0/35

In: -2.397 ± 0.232 χ^2/NDF : 401.0/35

Out: -2.632 ± 0.225 χ^2/NDF : 513.3/39

All: -2.518 ± 0.162 χ^2/NDF : 914.9/75

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019 ± 1.083 χ^2/NDF : 1848.0/16

Left Out: 42.844 ± 0.326 χ^2/NDF : 1606.6/20

Right Out: 76.041 ± 1.070 χ^2/NDF : 1881.9/18

Left In: 41.777 ± 0.333 χ^2/NDF : 574.9/18

Left: 42.322 ± 0.233 χ^2/NDF : 2186.7/39

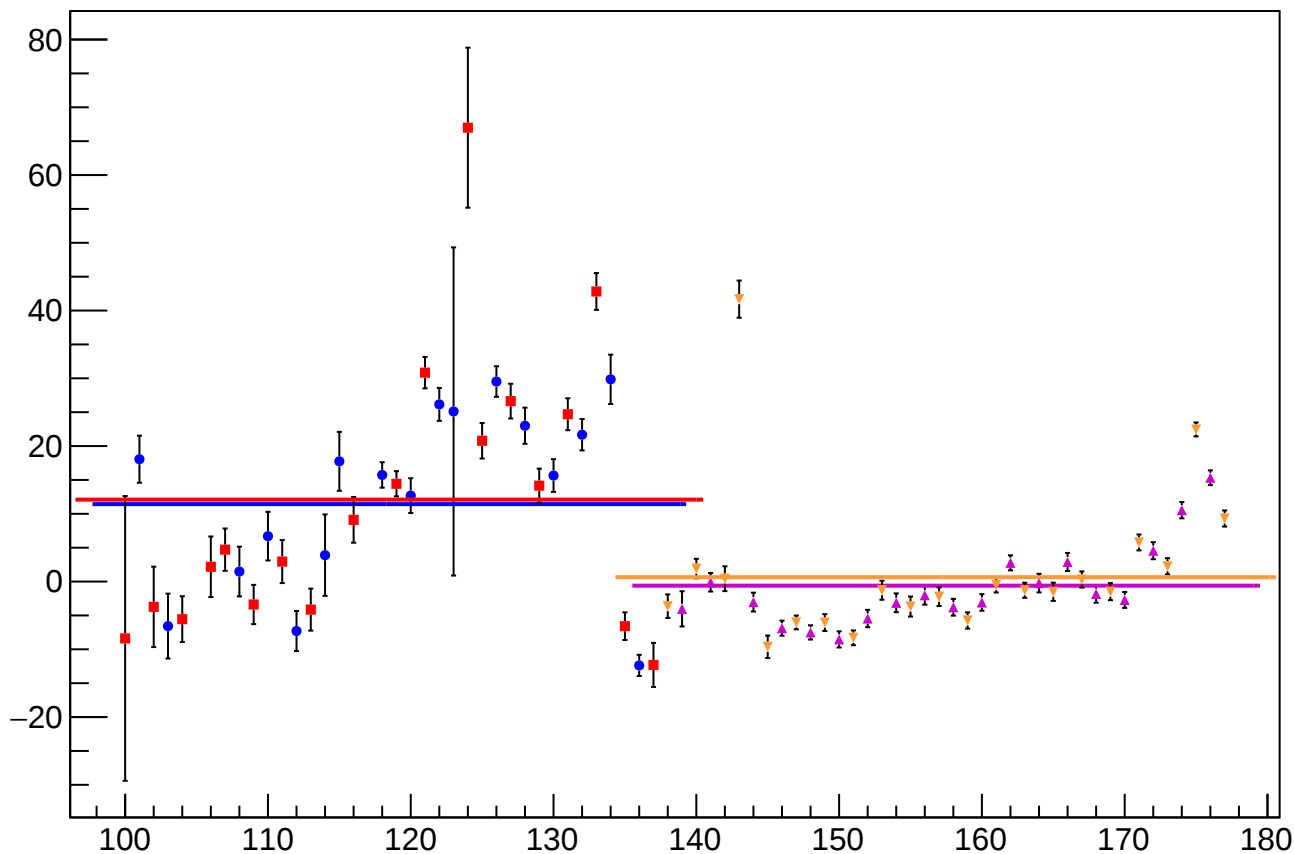
Right: 72.574 ± 0.761 χ^2/NDF : 3751.2/35

In: 44.134 ± 0.319 χ^2/NDF : 3000.4/35

Out: 45.672 ± 0.312 χ^2/NDF : 4369.3/39

All: 44.919 ± 0.223 χ^2/NDF : 7381.5/75

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: 0.643 $\pm$ 0.279 χ^2 /NDF:985.2/20

Right Out: 12.095 $\pm$ 0.664 χ^2 /NDF: 539.1/18

Left In: -0.606 $\pm$ 0.289 χ^2 /NDF:489.1/18

Left: 0.040 $\pm$ 0.201 χ^2 /NDF: 1484.0/39

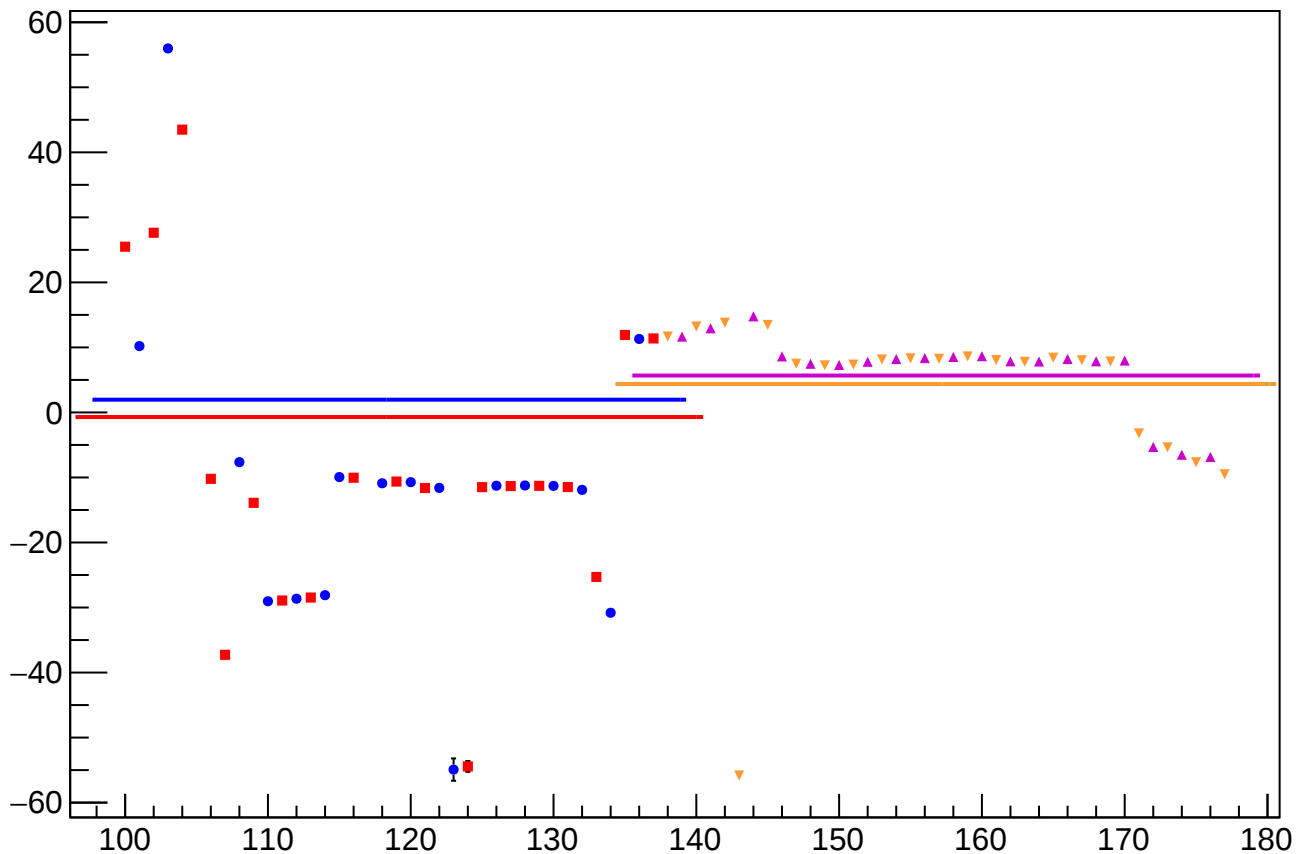
Right: 11.762 $\pm$ 0.470 χ^2 /NDF: 1016.4/35

In: 1.306 $\pm$ 0.265 χ^2 /NDF:1241.0/35

Out: 2.364 $\pm$ 0.257 χ^2 /NDF:1777.1/39

All: 1.851 $\pm$ 0.185 χ^2 /NDF: 3026.3/75

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 $\pm$ 0.037 χ^2/NDF : 358457.0/16

Left Out: 4.375 $\pm$ 0.013 χ^2/NDF :476802.2/20

Right Out: -0.704 $\pm$ 0.037 χ^2/NDF : 361168.6/18

Left In: 5.677 $\pm$ 0.013 χ^2/NDF :232514.1/18

Left: 5.019 $\pm$ 0.009 χ^2/NDF : 714363.8/39

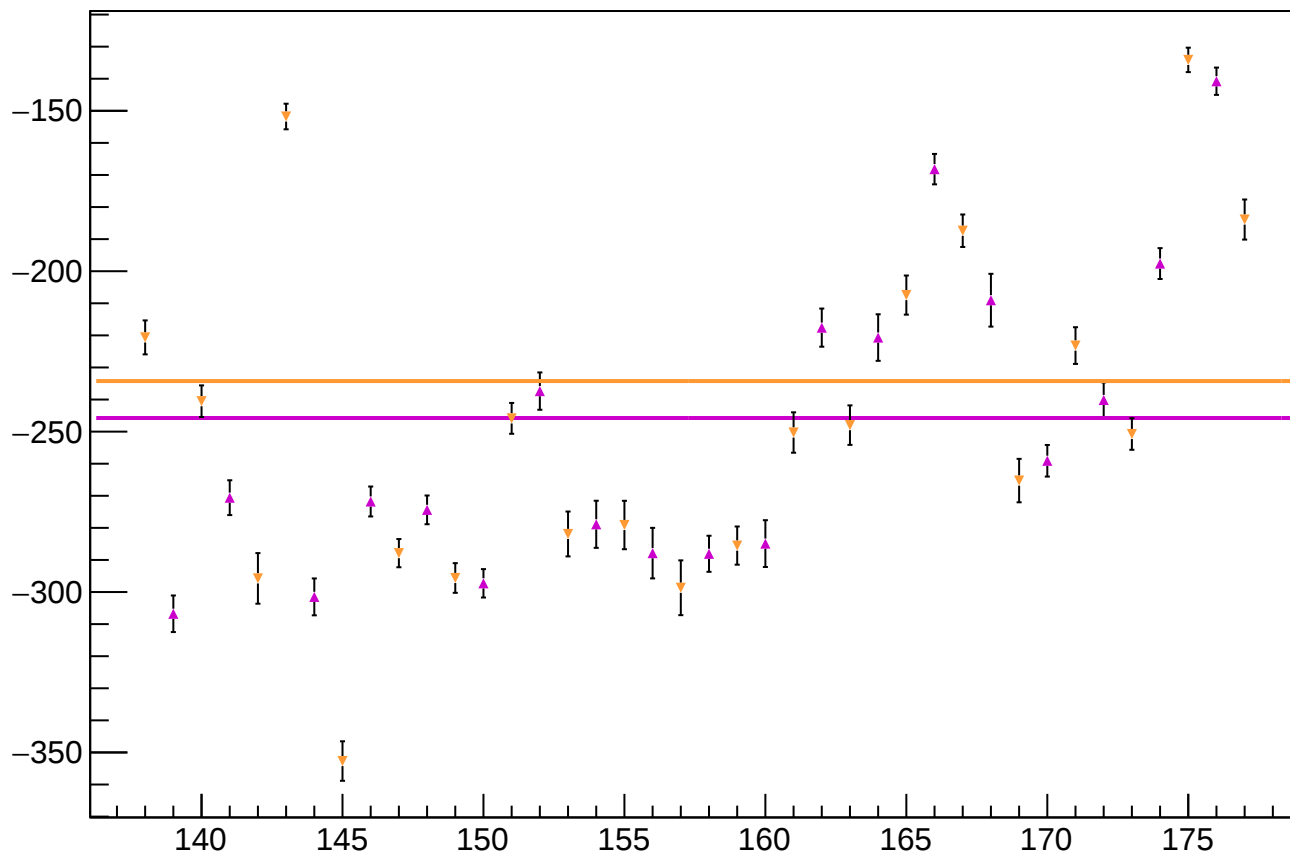
Right: 0.627 $\pm$ 0.026 χ^2/NDF : 722198.2/35

In: 5.270 $\pm$ 0.012 χ^2/NDF :599885.5/35

Out: 3.830 $\pm$ 0.012 χ^2/NDF :854682.4/39

All: 4.542 $\pm$ 0.009 χ^2/NDF : 1461500.8/75

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -234.235 ± 1.187 $\chi^2/\text{NDF}: 2318.3/20$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -245.755 ± 1.254 $\chi^2/\text{NDF}: 1612.5/18$

Left: -239.679 ± 0.862 $\chi^2/\text{NDF}: 3975.3/39$

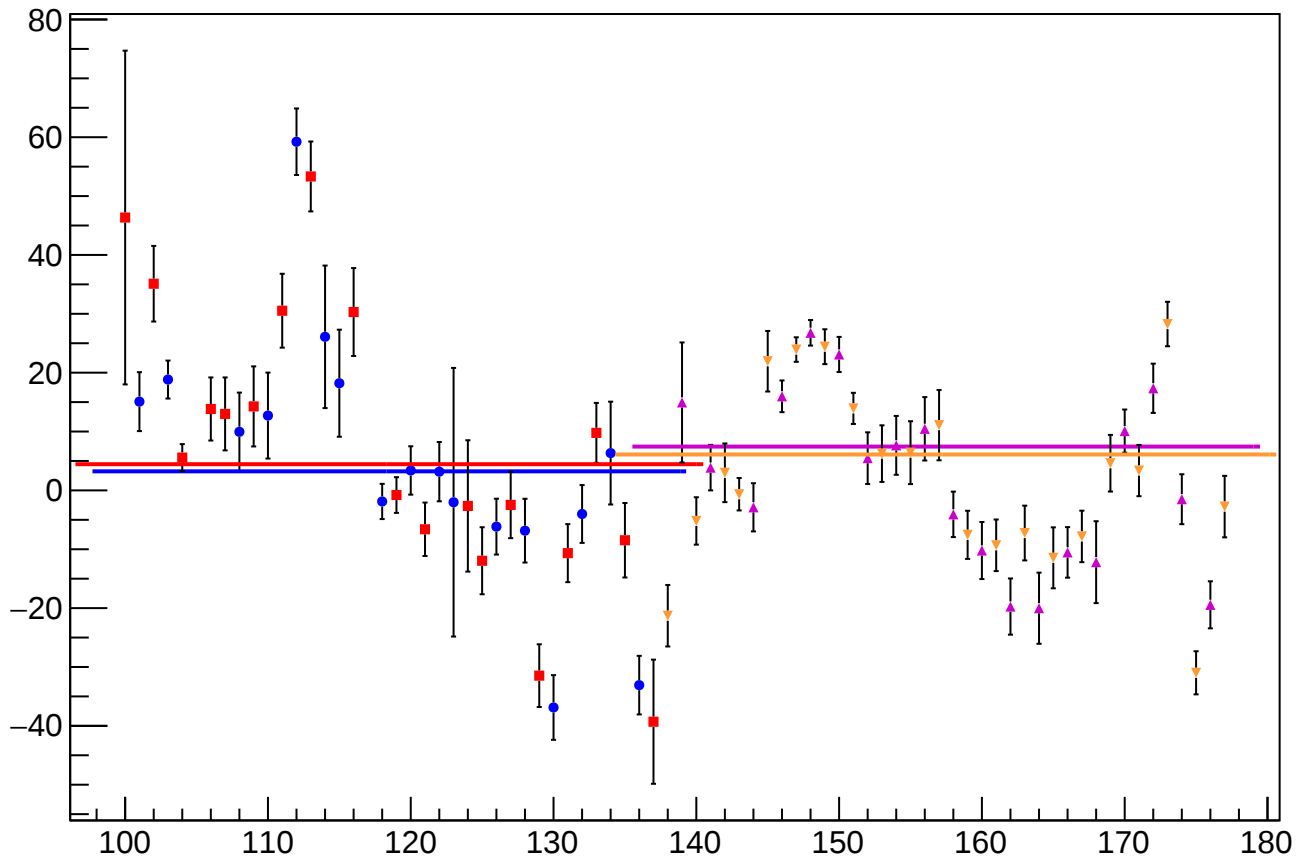
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -245.755 ± 1.254 $\chi^2/\text{NDF}: 1612.5/18$

Out: -234.235 ± 1.187 $\chi^2/\text{NDF}: 2318.3/20$

All: -239.679 ± 0.862 $\chi^2/\text{NDF}: 3975.3/39$

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: 6.099 ± 0.837 χ^2/NDF : 366.0/20

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

Left In: 7.442 ± 0.901 χ^2/NDF : 281.6/18

Left: 6.721 ± 0.613 χ^2/NDF : 648.8/39

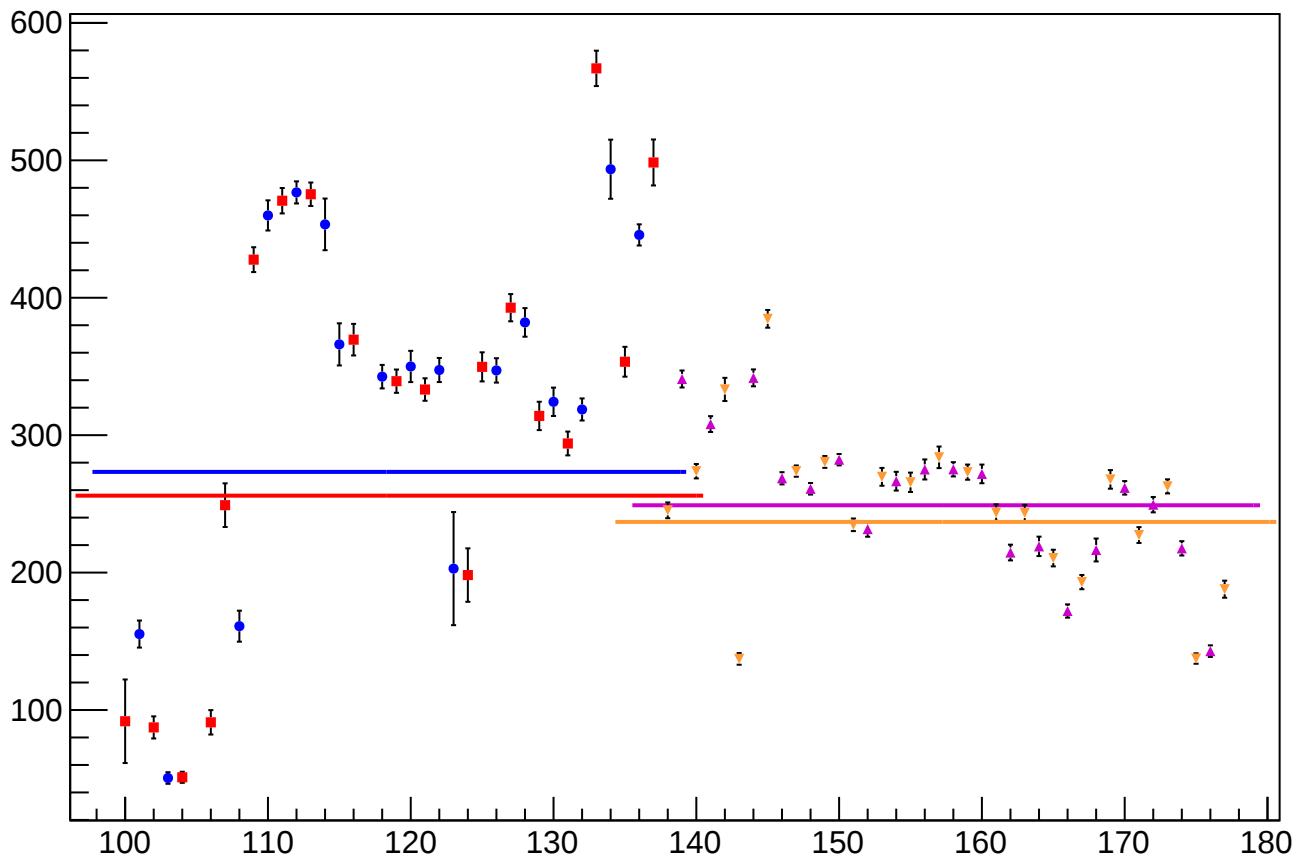
Right: 3.887 ± 0.847 χ^2/NDF : 481.6/35

In: 5.994 ± 0.730 χ^2/NDF : 544.4/35

Out: 5.533 ± 0.678 χ^2/NDF : 593.1/39

All: 5.746 ± 0.497 χ^2/NDF : 1137.7/75

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 236.868 $\pm$ 1.179 χ^2 /NDF:2445.9/20

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

Left In: 248.981 $\pm$ 1.237 χ^2 /NDF:1711.9/18

Left: 242.635 $\pm$ 0.854 χ^2 /NDF: 4208.1/39

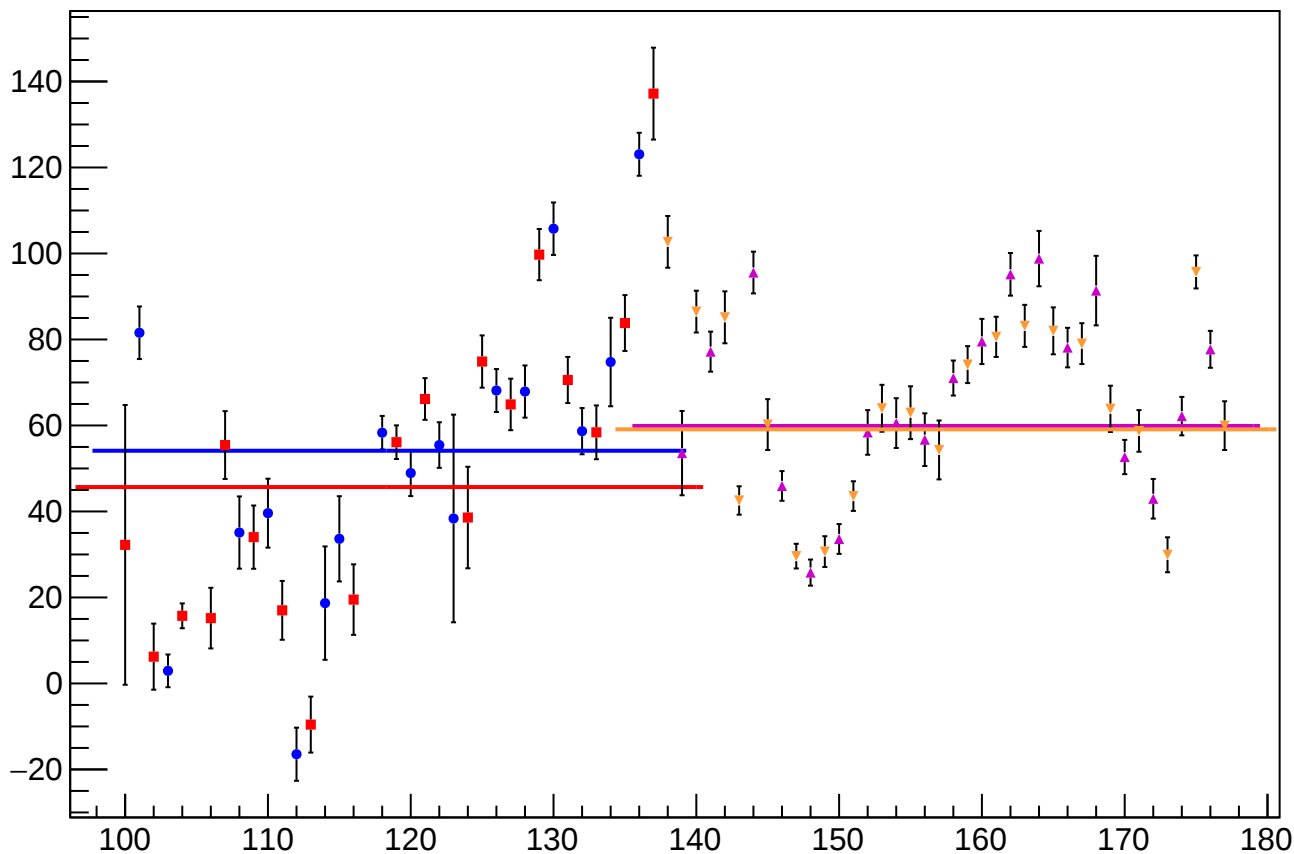
Right: 264.127 $\pm$ 1.513 χ^2 /NDF: 11572.5/35

In: 254.799 $\pm$ 1.079 χ^2 /NDF:6905.8/35

Out: 241.519 $\pm$ 1.026 χ^2 /NDF:8948.3/39

All: 247.825 $\pm$ 0.743 χ^2 /NDF: 15933.7/75

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 59.097 $\pm$ 0.981 χ^2 /NDF:554.5/20

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

Left In: 59.873 $\pm$ 1.050 χ^2 /NDF:442.3/18

Left: 59.458 $\pm$ 0.717 χ^2 /NDF: 997.1/39

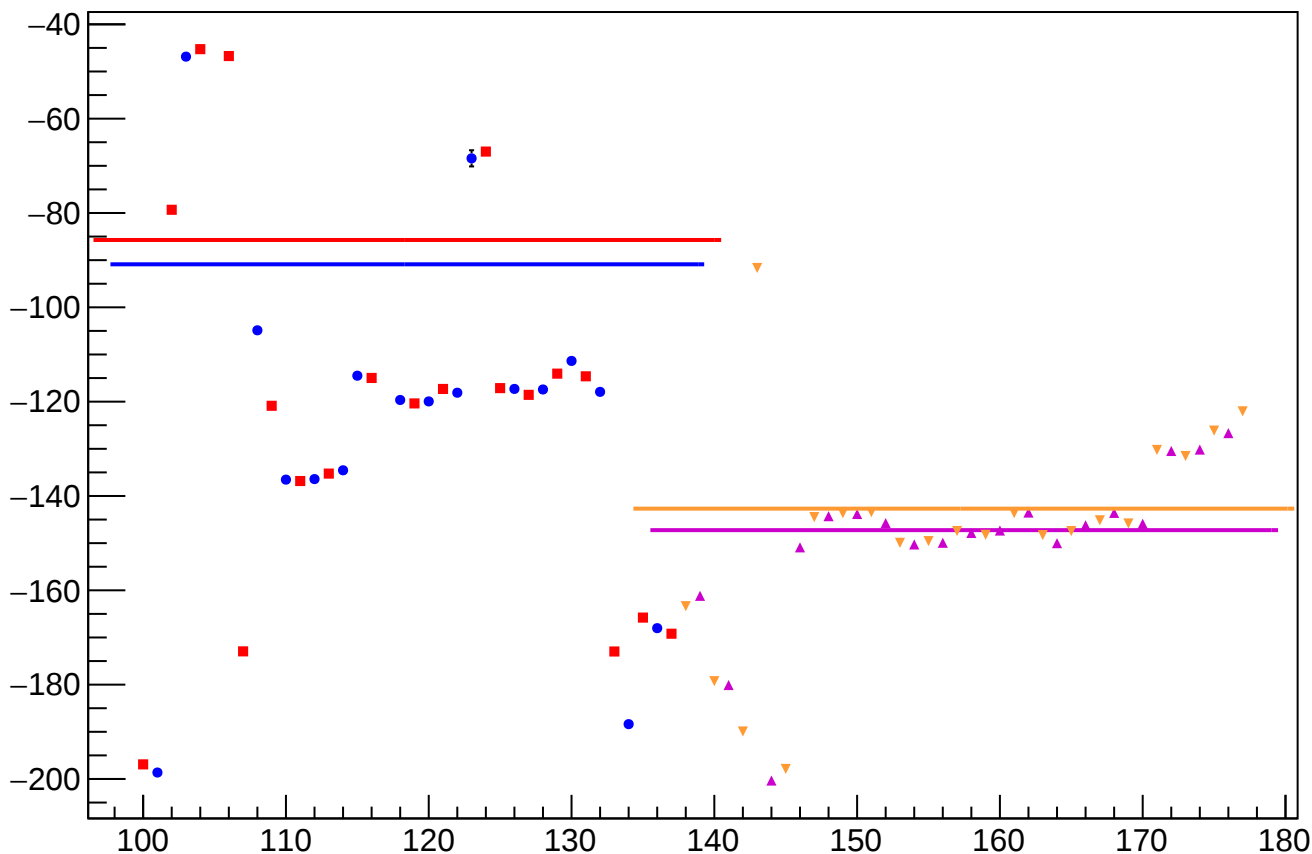
Right: 49.654 $\pm$ 0.987 χ^2 /NDF: 1183.2/35

In: 57.871 $\pm$ 0.848 χ^2 /NDF:1086.7/35

Out: 54.490 $\pm$ 0.795 χ^2 /NDF:1149.8/39

All: 56.071 $\pm$ 0.580 χ^2 /NDF: 2244.9/75

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: -142.684 ± 0.047 $\chi^2/\text{NDF}: 215849.4/20$

Right Out: -85.722 ± 0.065 $\chi^2/\text{NDF}: 494183.1/18$

Left In: -147.243 ± 0.049 $\chi^2/\text{NDF}: 91268.2/18$

Left: -144.883 ± 0.034 $\chi^2/\text{NDF}: 311561.3/39$

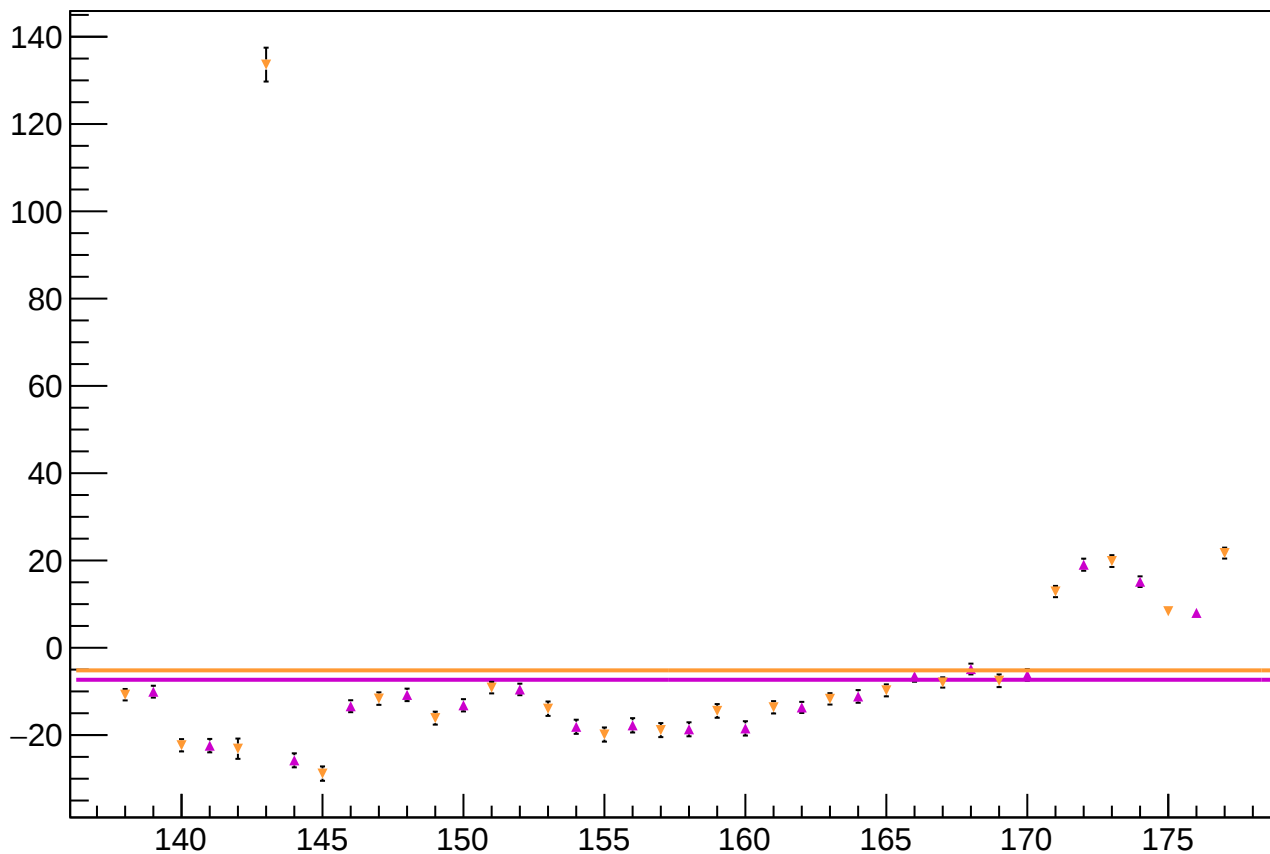
Right: -88.197 ± 0.047 $\chi^2/\text{NDF}: 1030623.7/35$

In: -127.783 ± 0.040 $\chi^2/\text{NDF}: 1077761.9/35$

Out: -122.883 ± 0.038 $\chi^2/\text{NDF}: 1210037.5/39$

All: -125.242 ± 0.028 $\chi^2/\text{NDF}: 2295652.1/75$

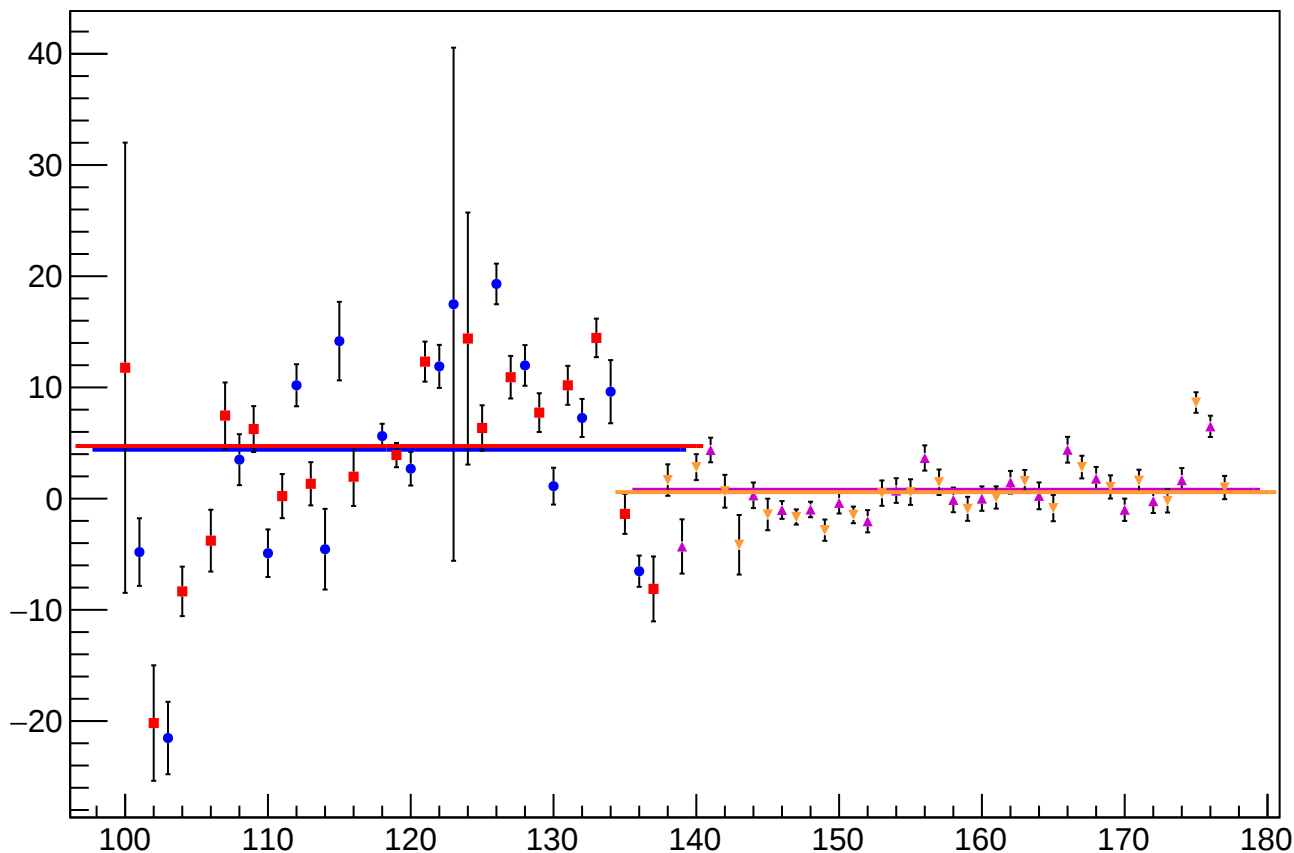
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.175+/-0.310 χ^2/NDF : 3292.1/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.332+/-0.316 χ^2/NDF : 1422.3/18

Left: -6.232+/-0.221 χ^2/NDF : 4738.2/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.332+/-0.316 χ^2/NDF : 1422.3/18
 Out: -5.175+/-0.310 χ^2/NDF : 3292.1/20
 All: -6.232+/-0.221 χ^2/NDF : 4738.2/39

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: 0.582 $\pm$ 0.229 χ^2 /NDF:128.6/20

Right Out: 4.732 $\pm$ 0.473 χ^2 /NDF: 182.9/18

Left In: 0.796 $\pm$ 0.237 χ^2 /NDF:95.1/18

Left: 0.685 $\pm$ 0.165 χ^2 /NDF: 224.1/39

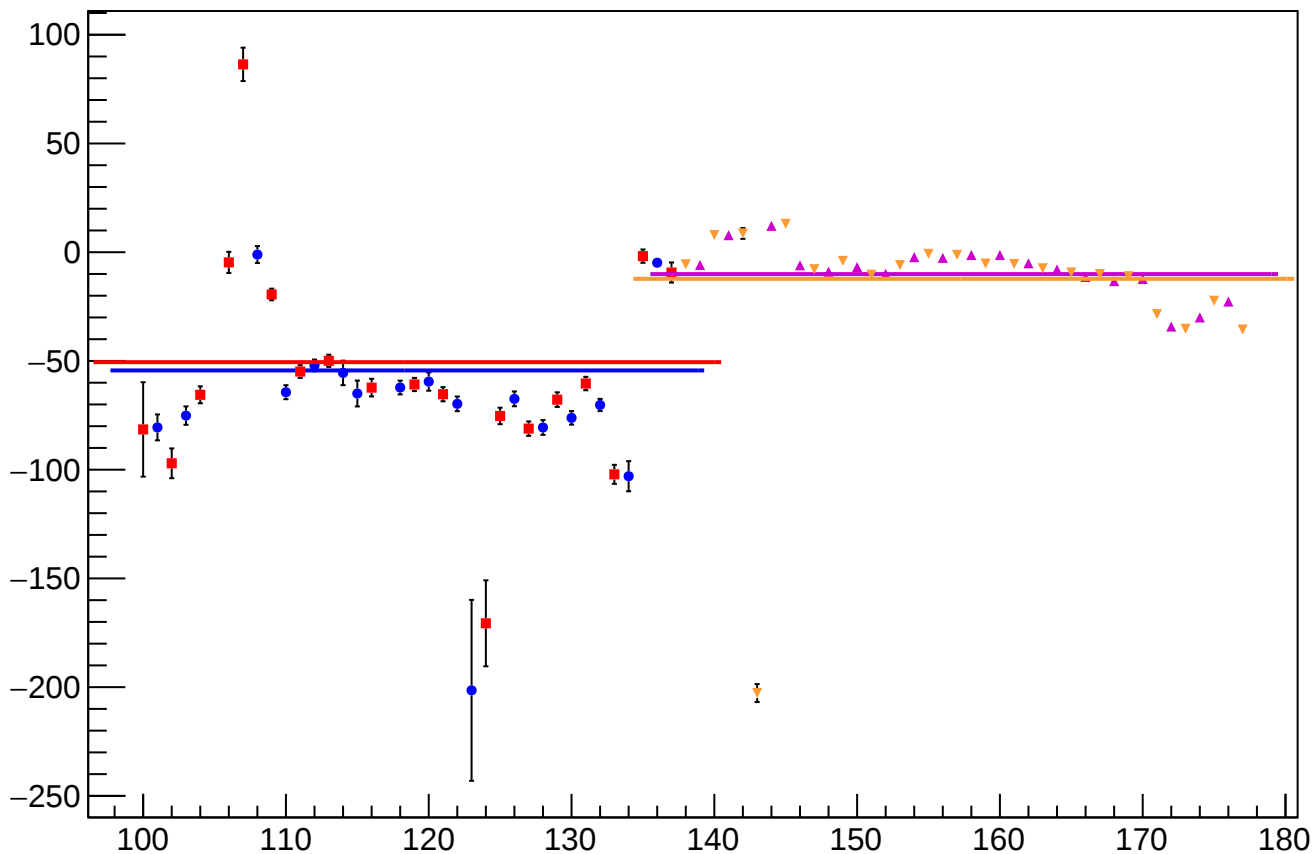
Right: 4.565 $\pm$ 0.334 χ^2 /NDF: 470.0/35

In: 1.523 $\pm$ 0.212 χ^2 /NDF:428.7/35

Out: 1.368 $\pm$ 0.206 χ^2 /NDF:373.9/39

All: 1.443 $\pm$ 0.148 χ^2 /NDF: 802.8/75

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365+/-0.868 χ^2/NDF : 1013.5/16

Left Out: -12.231+/-0.306 χ^2/NDF : 3736.3/20

Right Out: -50.554+/-0.858 χ^2/NDF : 1321.3/18

Left In: -10.062+/-0.312 χ^2/NDF : 1131.3/18

Left: -11.168+/-0.218 χ^2/NDF : 4892.3/39

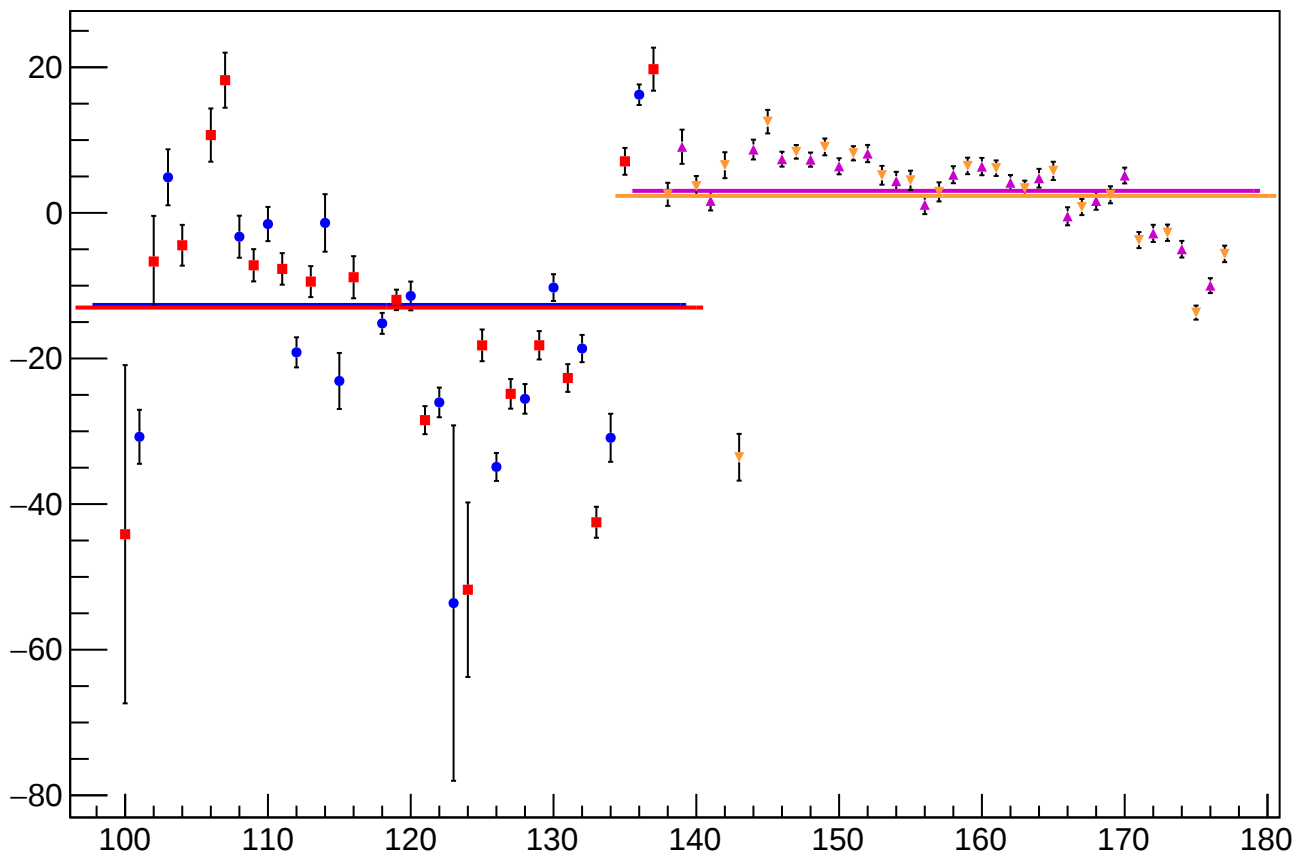
Right: -52.436+/-0.610 χ^2/NDF : 2344.5/35

In: -15.130+/-0.294 χ^2/NDF : 4450.6/35

Out: -16.556+/-0.288 χ^2/NDF : 6829.5/39

All: -15.857+/-0.206 χ^2/NDF : 11292.1/75

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 2.333 ± 0.262 χ^2/NDF : 701.6/20

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

Left In: 3.026 ± 0.271 χ^2/NDF : 356.2/18

Left: 2.667 ± 0.188 χ^2/NDF : 1061.2/39

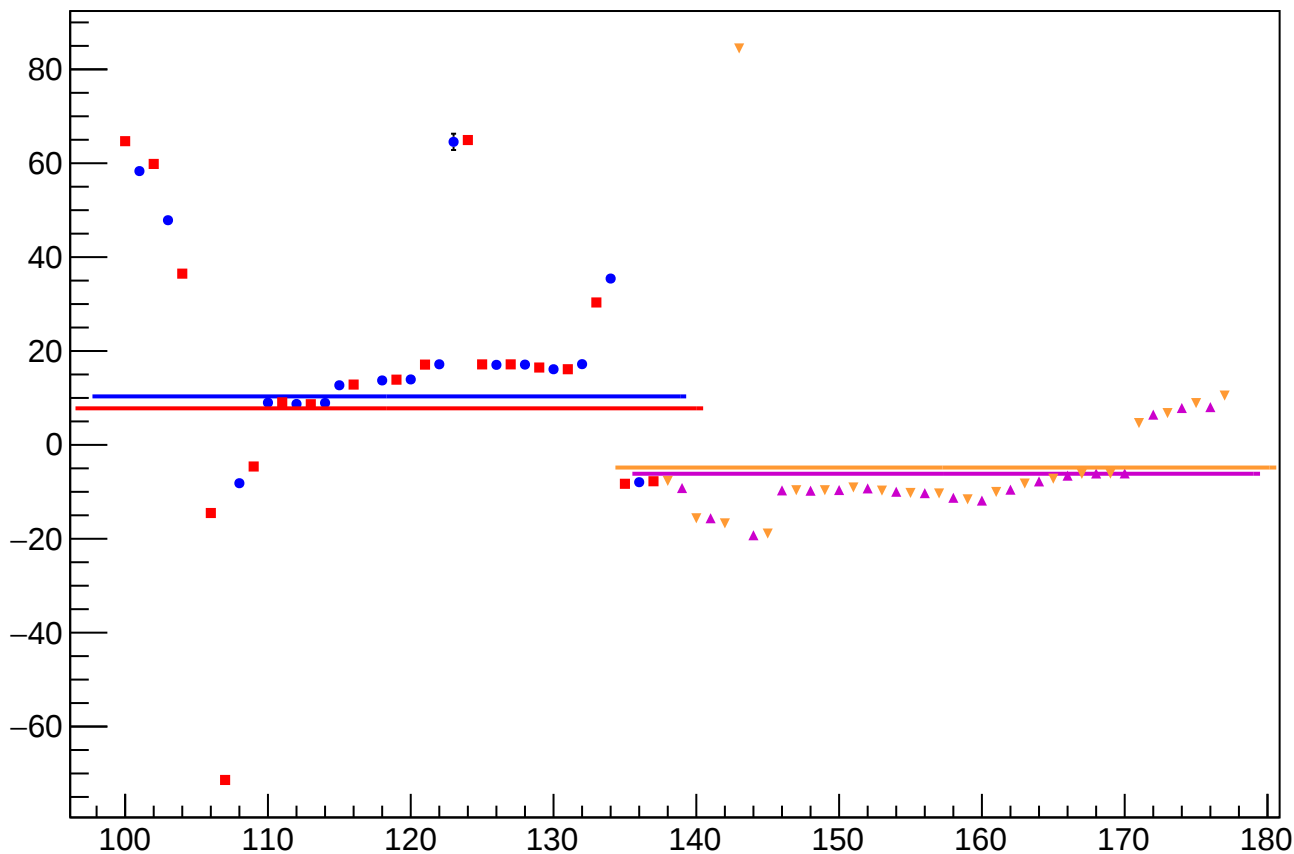
Right: -12.826 ± 0.380 χ^2/NDF : 1510.1/35

In: -0.167 ± 0.242 χ^2/NDF : 1824.9/35

Out: -0.604 ± 0.235 χ^2/NDF : 2081.3/39

All: -0.392 ± 0.169 χ^2/NDF : 3907.9/75

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 ± 0.031 $\chi^2/\text{NDF}: 380857.1/16$

Left Out: -4.826 ± 0.012 $\chi^2/\text{NDF}: 745033.7/20$

Right Out: 7.786 ± 0.031 $\chi^2/\text{NDF}: 544119.7/18$

Left In: -6.149 ± 0.012 $\chi^2/\text{NDF}: 362345.1/18$

Left: -5.480 ± 0.009 $\chi^2/\text{NDF}: 1113339.0/39$

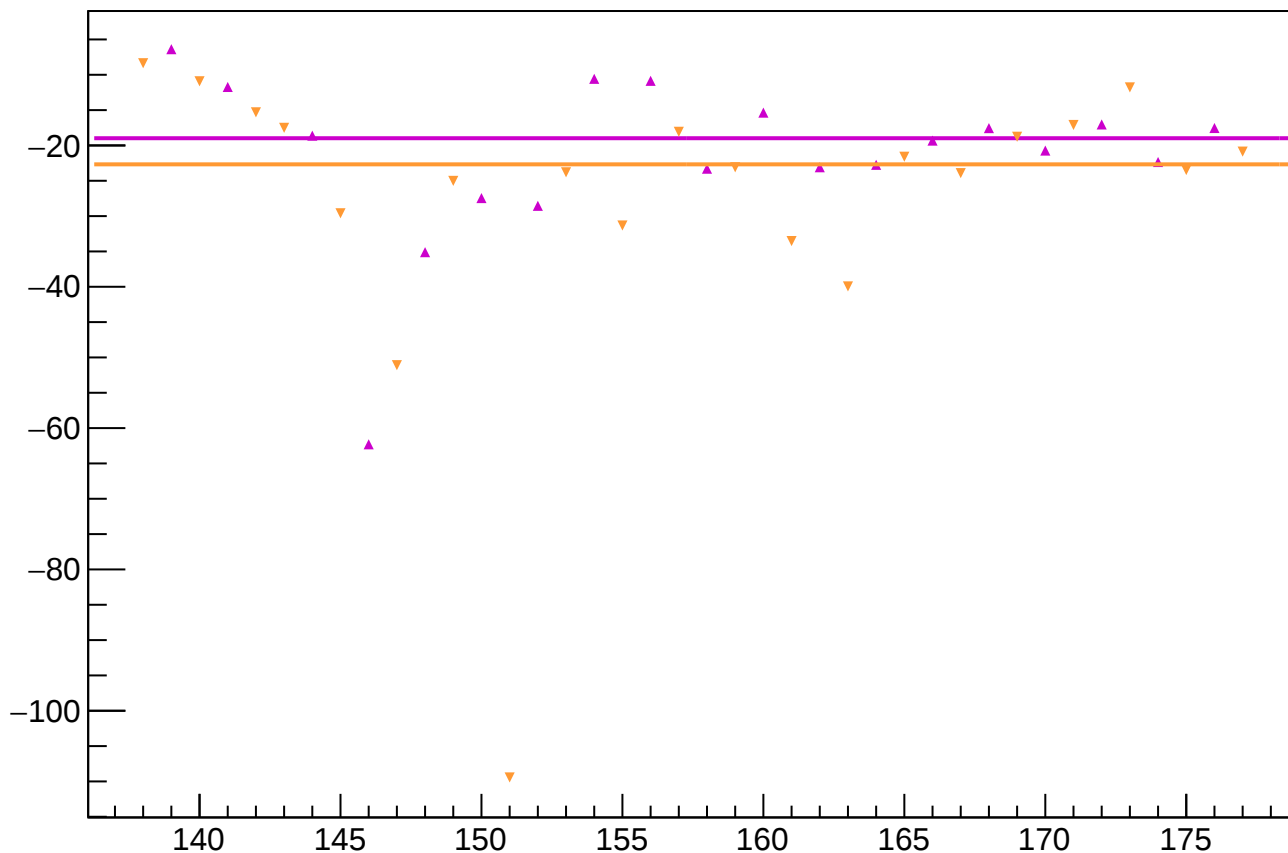
Right: 9.084 ± 0.022 $\chi^2/\text{NDF}: 928345.1/35$

In: -3.904 ± 0.011 $\chi^2/\text{NDF}: 992463.7/35$

Out: -3.197 ± 0.011 $\chi^2/\text{NDF}: 1430498.7/39$

All: -3.548 ± 0.008 $\chi^2/\text{NDF}: 2424924.8/75$

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: -22.675+/-0.049 χ^2/NDF : 62624.1/20

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

Left In: -18.978+/-0.046 χ^2/NDF : 37609.2/18

Left: -20.703+/-0.034 χ^2/NDF : 103261.7/39

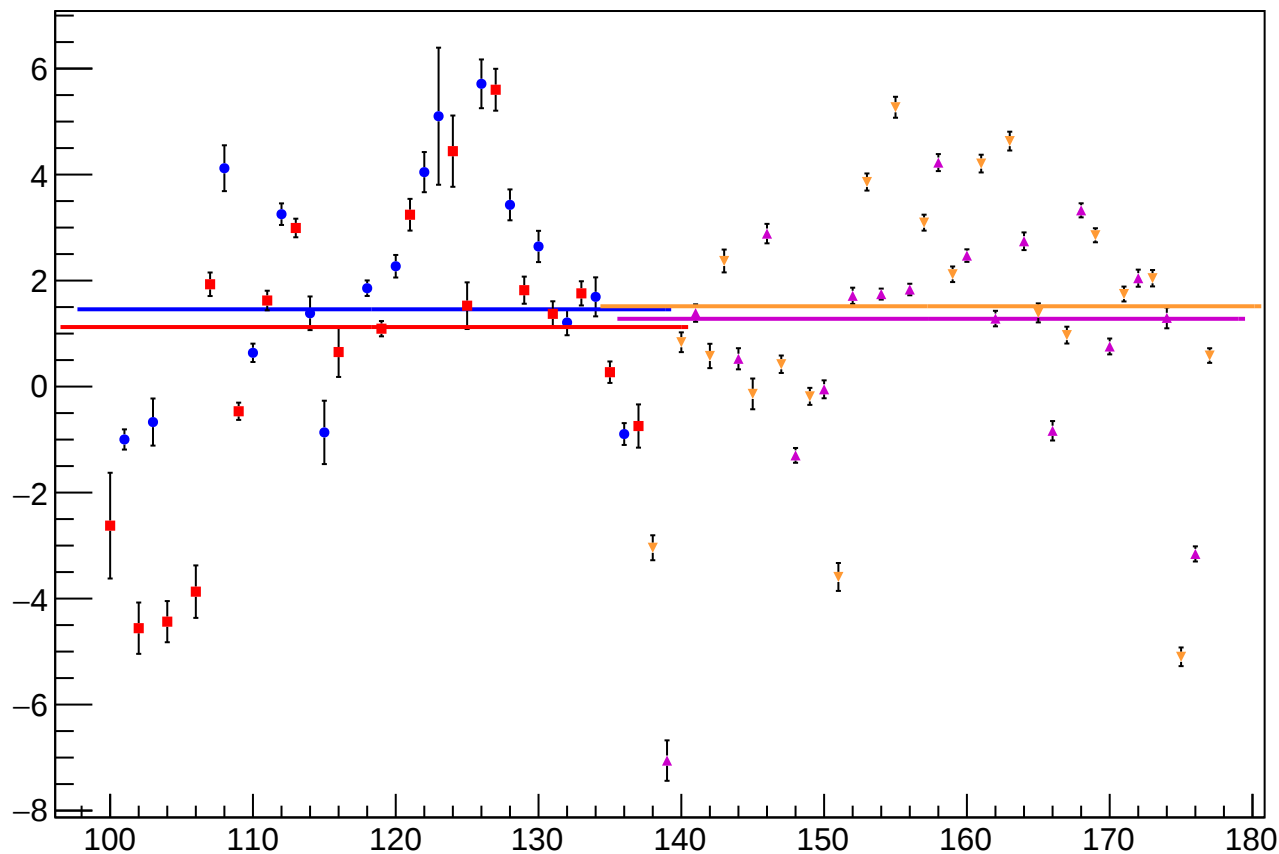
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.978+/-0.046 χ^2/NDF : 37609.2/18

Out: -22.675+/-0.049 χ^2/NDF : 62624.1/20

All: -20.703+/-0.034 χ^2/NDF : 103261.7/39

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: 1.515 ± 0.037 χ^2/NDF : 3835.5/20

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

Left In: 1.279 ± 0.034 χ^2/NDF : 2911.9/18

Left: 1.388 ± 0.025 χ^2/NDF : 6769.1/39

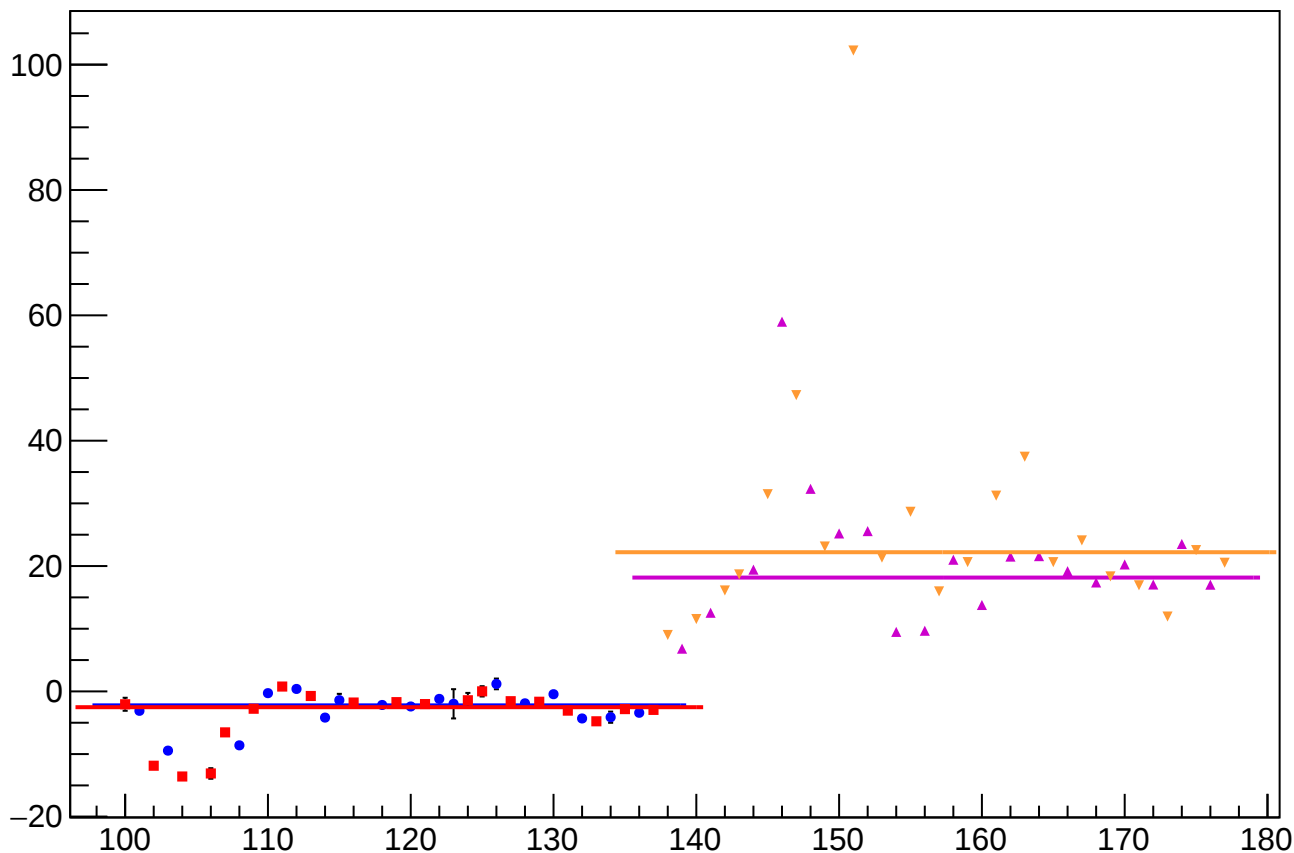
Right: 1.280 ± 0.042 χ^2/NDF : 1661.2/35

In: 1.321 ± 0.030 χ^2/NDF : 3616.5/35

Out: 1.401 ± 0.031 χ^2/NDF : 4815.1/39

All: 1.359 ± 0.022 χ^2/NDF : 8435.0/75

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 22.207 ± 0.049 χ^2/NDF : 55793.6/20

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

Left In: 18.162 ± 0.045 χ^2/NDF : 35862.9/18

Left: 20.023 ± 0.033 χ^2/NDF : 95389.3/39

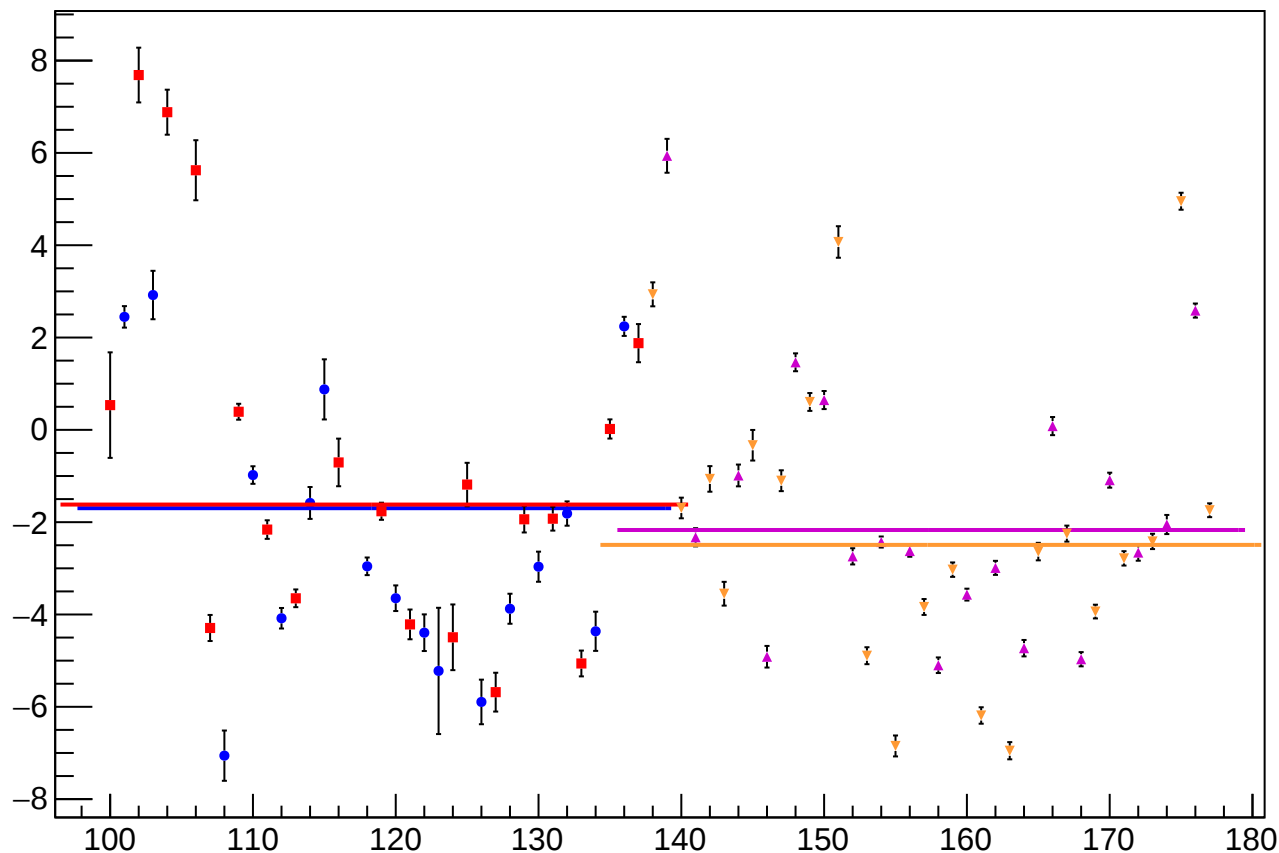
Right: -2.391 ± 0.074 χ^2/NDF : 1368.3/35

In: 15.305 ± 0.042 χ^2/NDF : 65198.6/35

Out: 17.396 ± 0.044 χ^2/NDF : 106966.4/39

All: 16.301 ± 0.030 χ^2/NDF : 173366.6/75

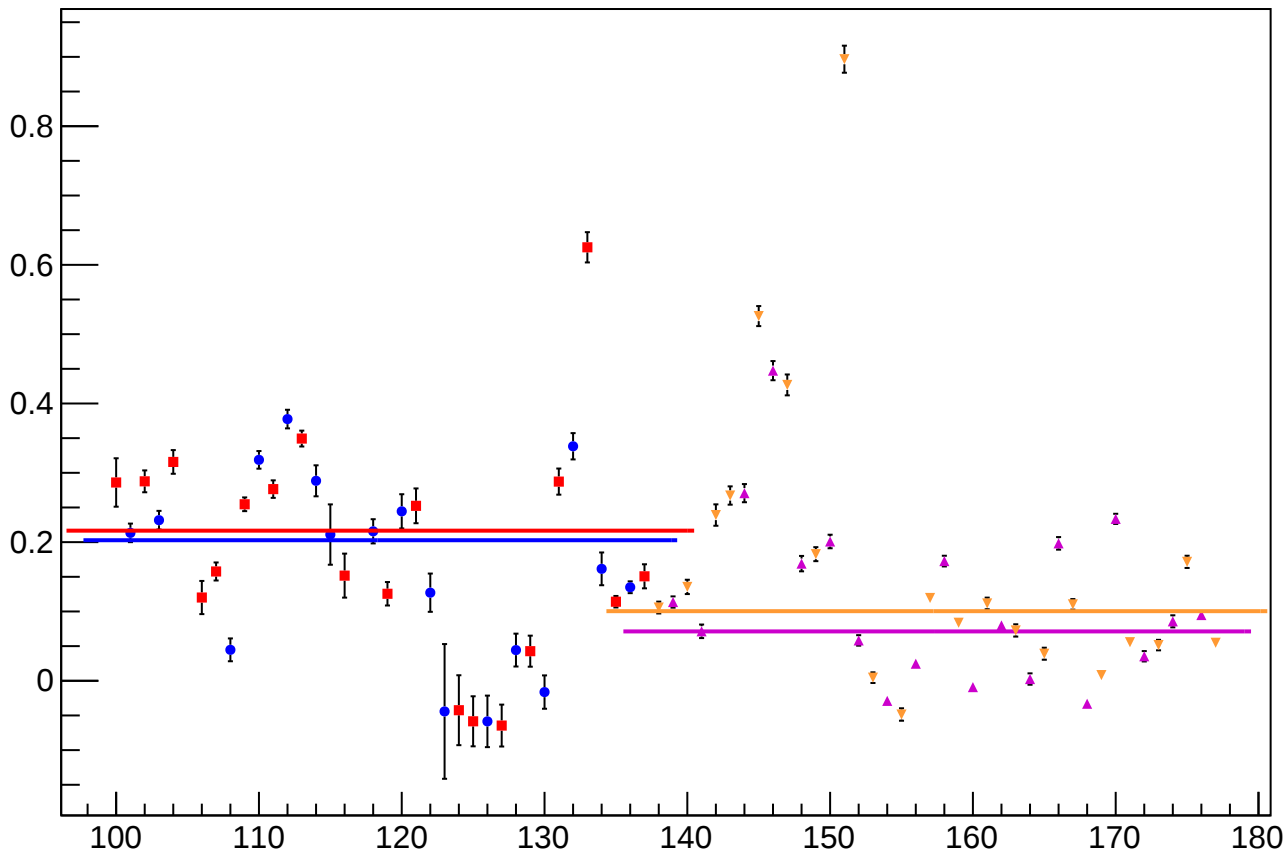
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 $\chi^2/\text{NDF}: 1319.4/16$
 Left Out: -2.492 ± 0.042 $\chi^2/\text{NDF}: 4577.5/20$
 Right Out: -1.618 ± 0.066 $\chi^2/\text{NDF}: 1489.2/18$
 Left In: -2.169 ± 0.039 $\chi^2/\text{NDF}: 3374.8/18$

Left: -2.318 ± 0.028 $\chi^2/\text{NDF}: 7984.2/39$
 Right: -1.655 ± 0.048 $\chi^2/\text{NDF}: 2809.3/35$
 In: -2.061 ± 0.034 $\chi^2/\text{NDF}: 4728.2/35$
 Out: -2.239 ± 0.035 $\chi^2/\text{NDF}: 6192.6/39$
 All: -2.147 ± 0.025 $\chi^2/\text{NDF}: 10933.9/75$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16

Left Out: 0.100 $\pm$ 0.002 χ^2 /NDF:4217.9/20

Right Out: 0.217 $\pm$ 0.004 χ^2 /NDF: 1064.4/18

Left In: 0.071 $\pm$ 0.002 χ^2 /NDF:3219.0/18

Left: 0.084 $\pm$ 0.001 χ^2 /NDF: 7571.1/39

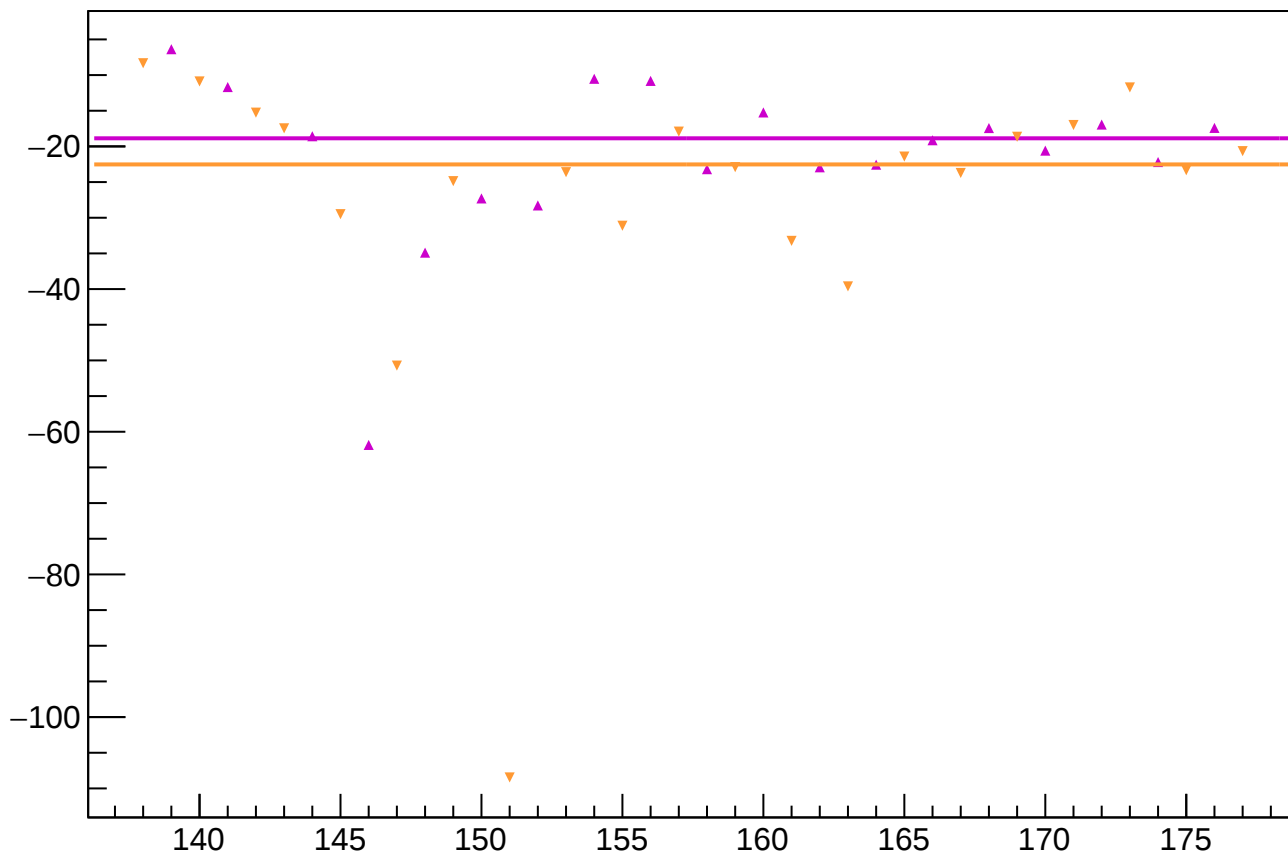
Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1747.1/35

In: 0.090 $\pm$ 0.002 χ^2 /NDF:4757.5/35

Out: 0.124 $\pm$ 0.002 χ^2 /NDF:6066.9/39

All: 0.106 $\pm$ 0.001 χ^2 /NDF: 11050.7/75

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



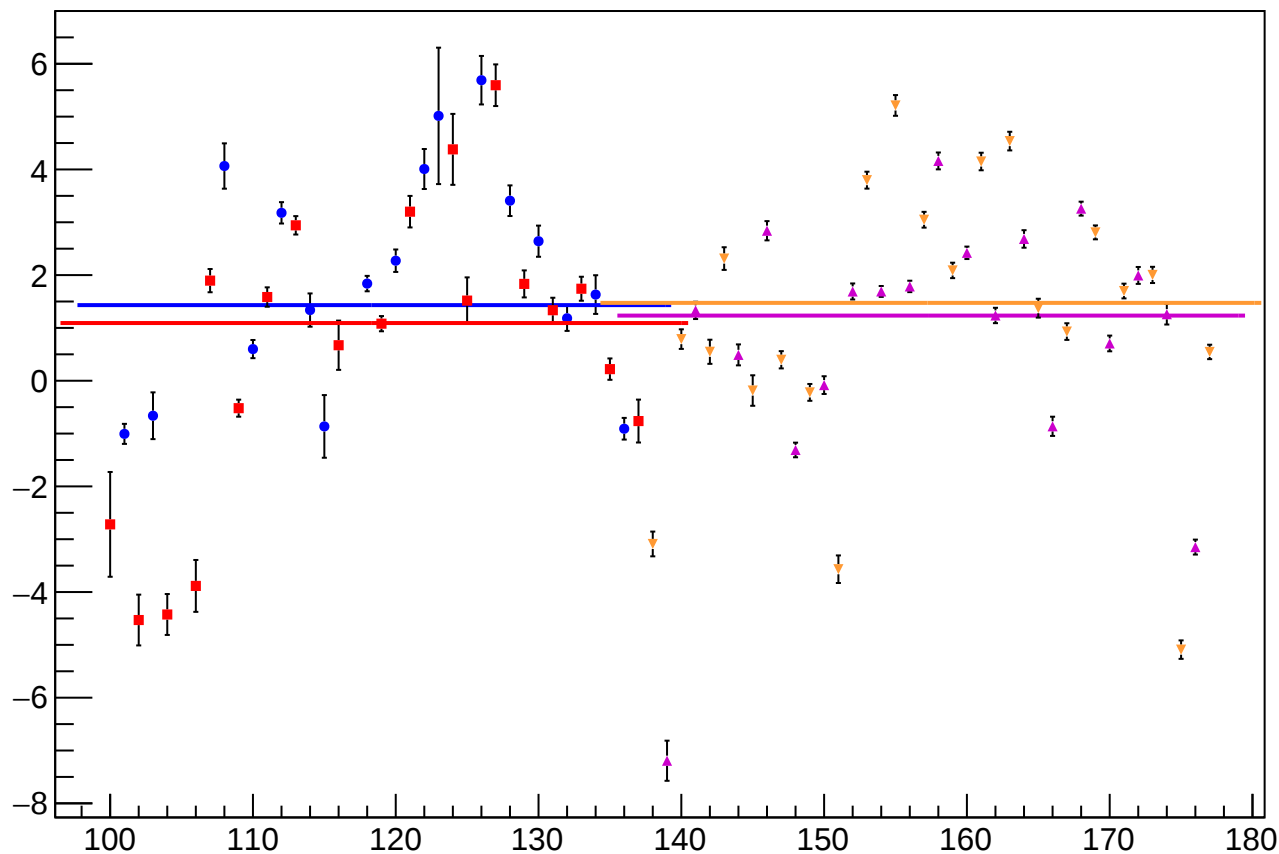
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -22.525+/-0.049 χ^2/NDF :62448.4/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -18.863+/-0.046 χ^2/NDF :37520.5/18

Left: -20.572+/-0.033 χ^2/NDF : 102980.0/39
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.863+/-0.046 χ^2/NDF :37520.5/18
 Out: -22.525+/-0.049 χ^2/NDF :62448.4/20

All: -20.572+/-0.033 χ^2/NDF : 102980.0/39

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 $\pm$ 0.062 χ^2 /NDF: 696.6/16

Left Out: 1.474 $\pm$ 0.037 χ^2 /NDF: 3835.2/20

Right Out: 1.092 $\pm$ 0.058 χ^2 /NDF: 953.2/18

Left In: 1.233 $\pm$ 0.034 χ^2 /NDF: 2913.6/18

Left: 1.344 $\pm$ 0.025 χ^2 /NDF: 6771.5/39

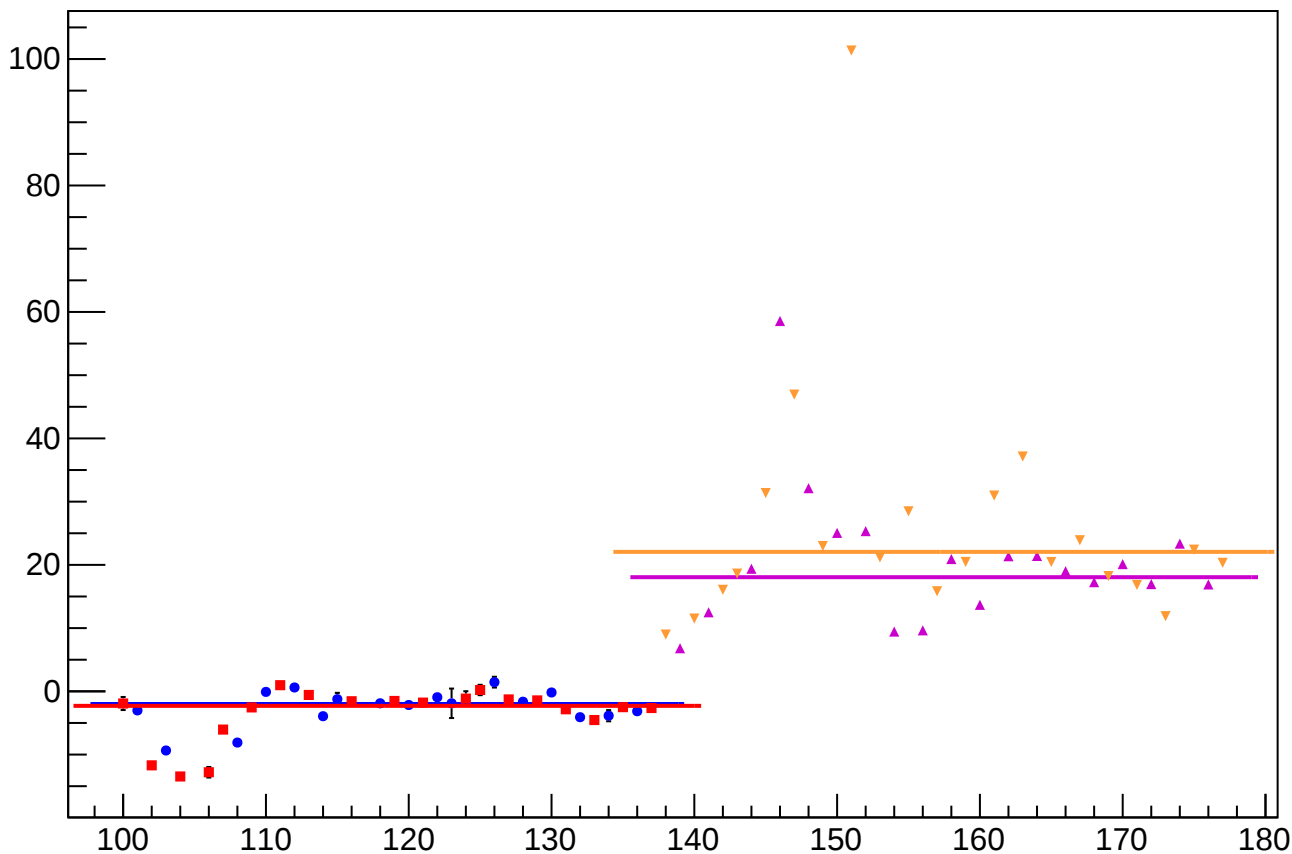
Right: 1.251 $\pm$ 0.042 χ^2 /NDF: 1665.8/35

In: 1.280 $\pm$ 0.030 χ^2 /NDF: 3618.1/35

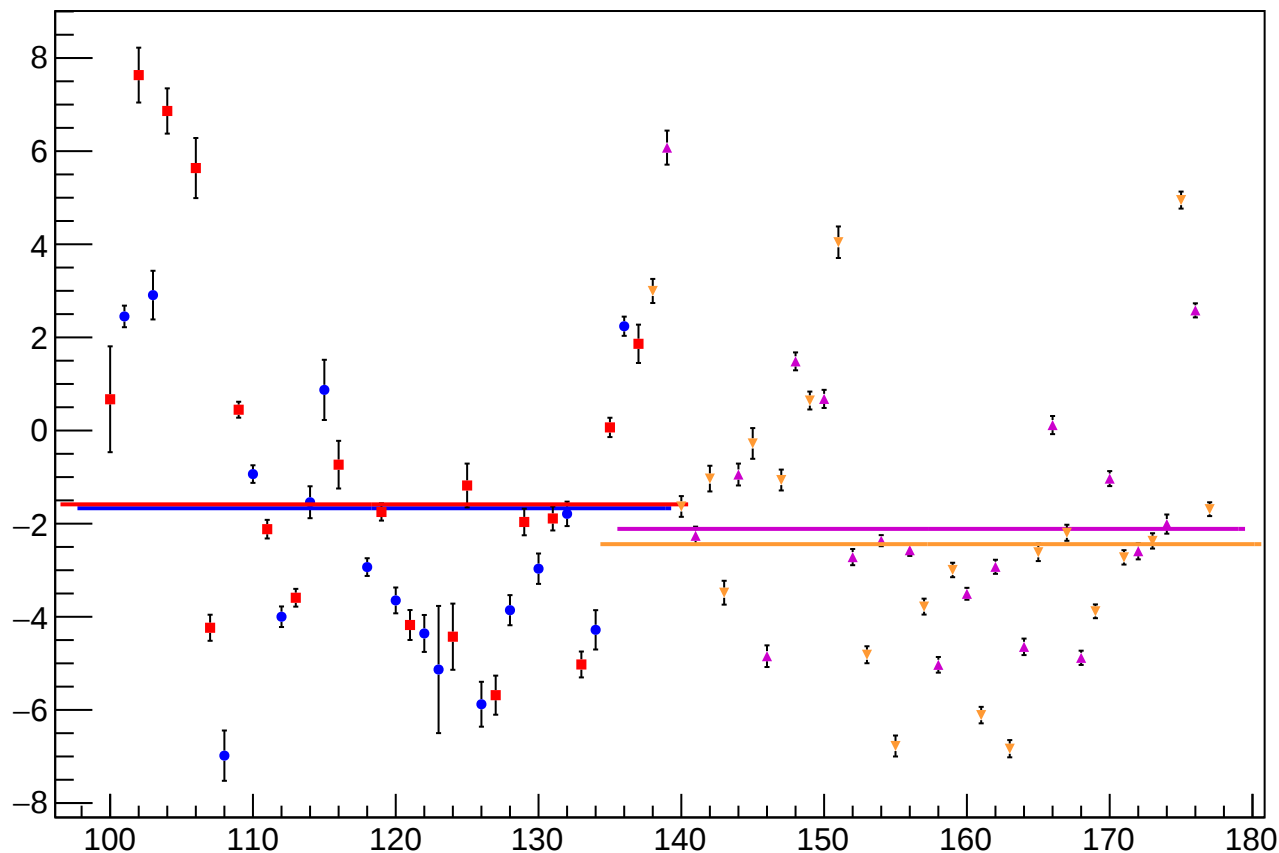
Out: 1.363 $\pm$ 0.031 χ^2 /NDF: 4819.2/39

All: 1.320 $\pm$ 0.022 χ^2 /NDF: 8440.9/75

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -2.440 ± 0.042 χ^2/NDF : 4575.3/20

Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18

Left In: -2.112 ± 0.039 χ^2/NDF : 3375.7/18

Left: -2.264 ± 0.028 χ^2/NDF : 7984.3/39

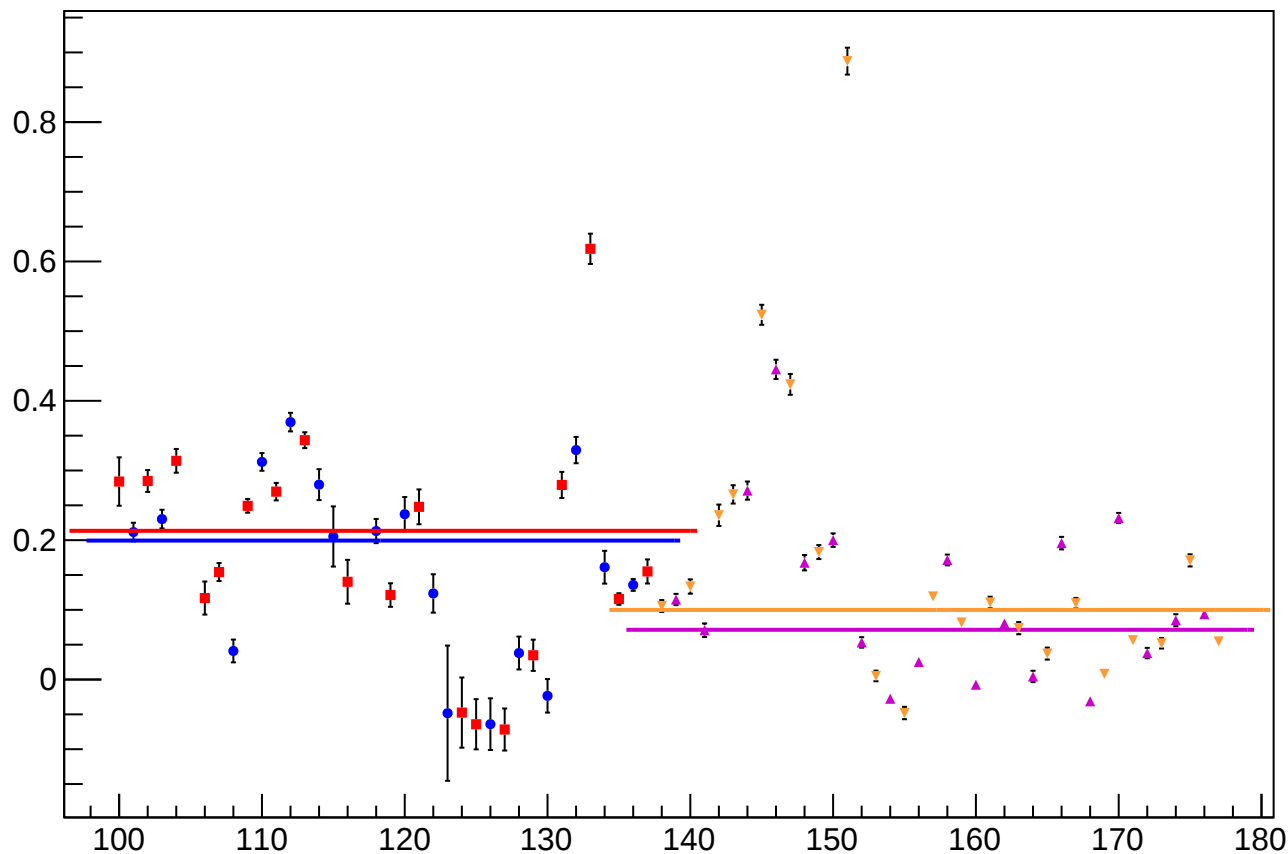
Right: -1.624 ± 0.048 χ^2/NDF : 2810.4/35

In: -2.011 ± 0.034 χ^2/NDF : 4720.8/35

Out: -2.193 ± 0.035 χ^2/NDF : 6191.6/39

All: -2.099 ± 0.024 χ^2/NDF : 10926.4/75

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.100 ± 0.002 χ^2/NDF : 4210.0/20

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

Left In: 0.071 ± 0.002 χ^2/NDF : 3191.5/18

Left: 0.084 ± 0.001 χ^2/NDF : 7531.3/39

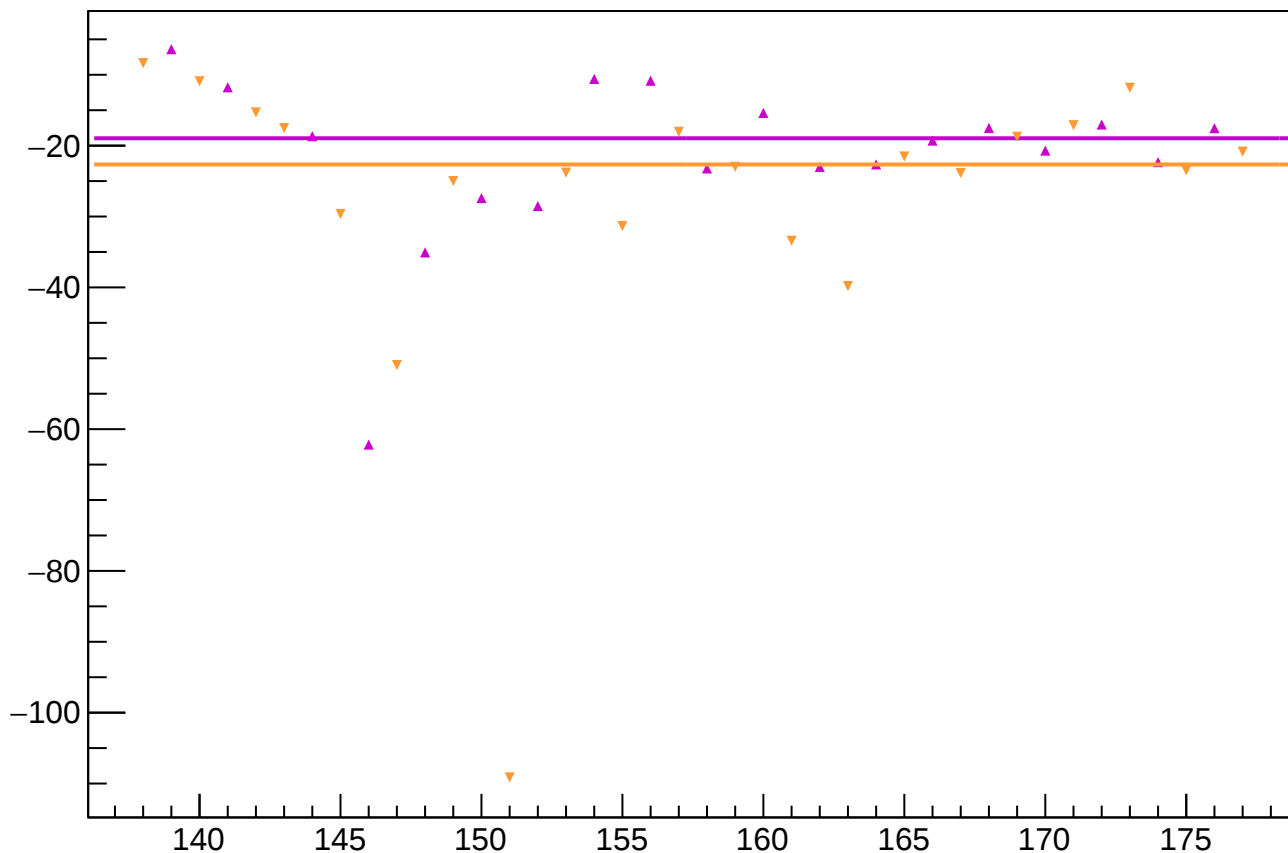
Right: 0.207 ± 0.003 χ^2/NDF : 1716.7/35

In: 0.089 ± 0.002 χ^2/NDF : 4678.8/35

Out: 0.123 ± 0.002 χ^2/NDF : 6016.1/39

All: 0.105 ± 0.001 χ^2/NDF : 10914.2/75

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.656+/-0.049 χ^2/NDF : 62552.2/20

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

Left In: -18.959+/-0.046 χ^2/NDF : 37588.3/18

Left: -20.684+/-0.033 χ^2/NDF : 103183.4/39

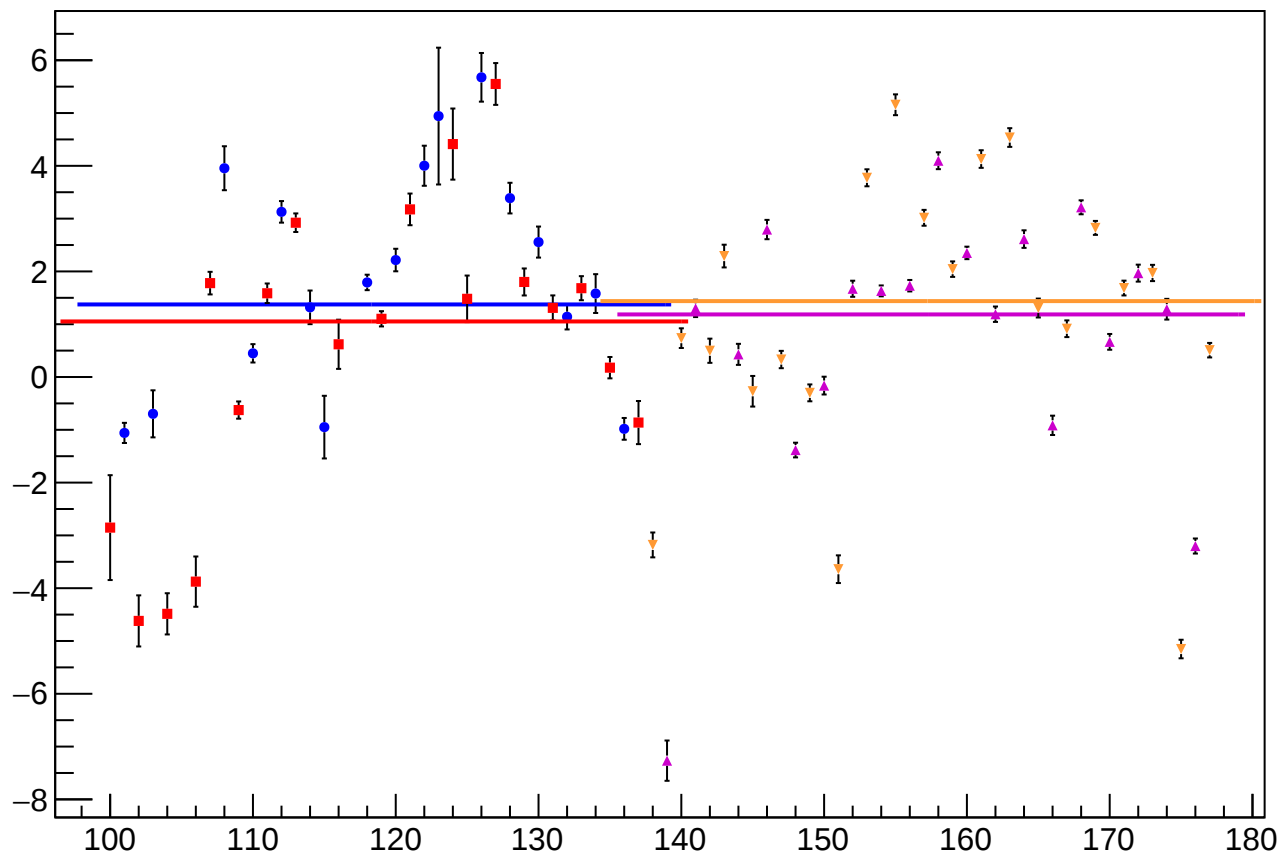
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.959+/-0.046 χ^2/NDF : 37588.3/18

Out: -22.656+/-0.049 χ^2/NDF : 62552.2/20

All: -20.684+/-0.033 χ^2/NDF : 103183.4/39

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: 1.438 $\pm$ 0.037 χ^2 /NDF:3854.3/20

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 964.0/18

Left In: 1.185 $\pm$ 0.034 χ^2 /NDF:2893.8/18

Left: 1.301 $\pm$ 0.025 χ^2 /NDF: 6772.9/39

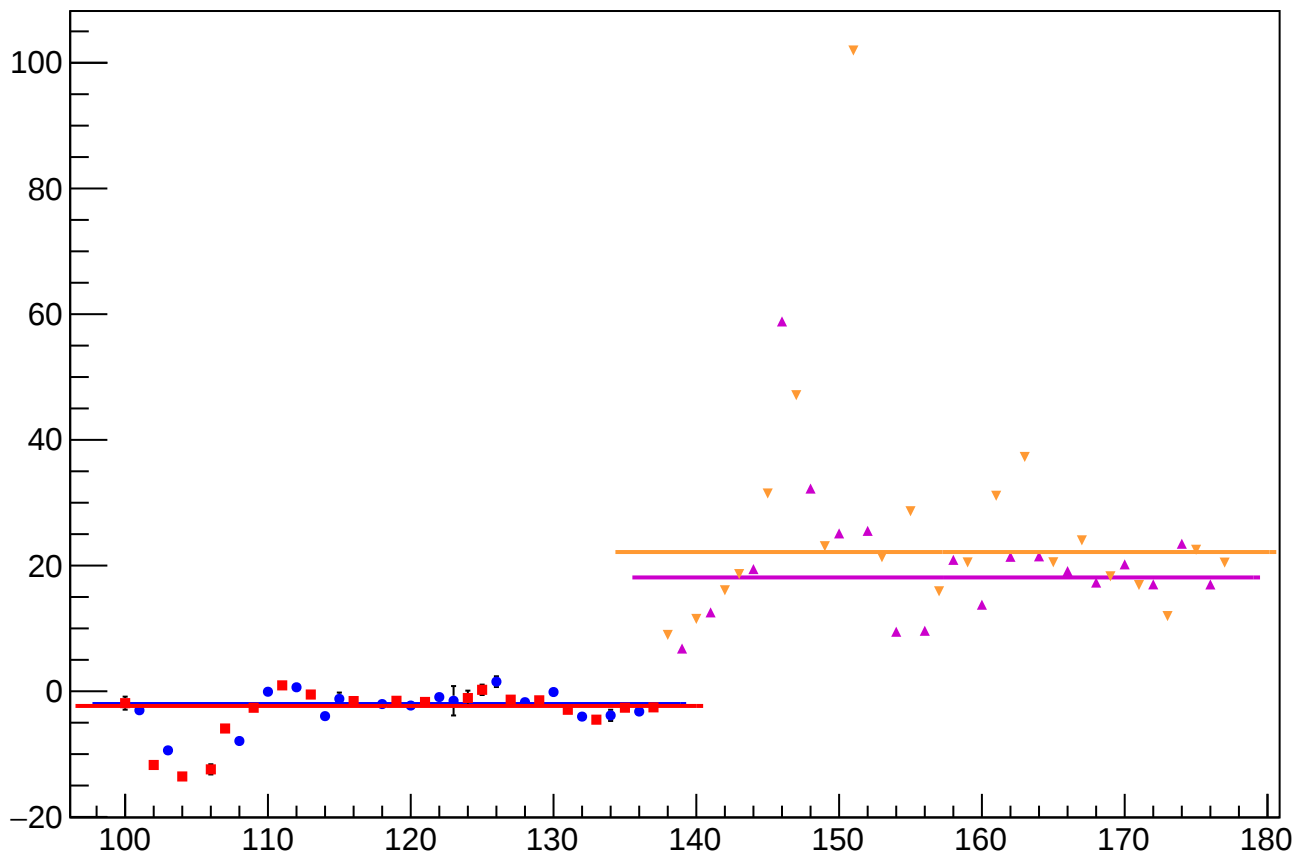
Right: 1.203 $\pm$ 0.042 χ^2 /NDF: 1680.9/35

In: 1.230 $\pm$ 0.030 χ^2 /NDF:3603.4/35

Out: 1.325 $\pm$ 0.031 χ^2 /NDF:4849.5/39

All: 1.275 $\pm$ 0.022 χ^2 /NDF: 8457.7/75

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 22.154 ± 0.049 χ^2/NDF : 55745.5/20

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

Left In: 18.110 ± 0.045 χ^2/NDF : 35864.8/18

Left: 19.971 ± 0.033 χ^2/NDF : 95359.6/39

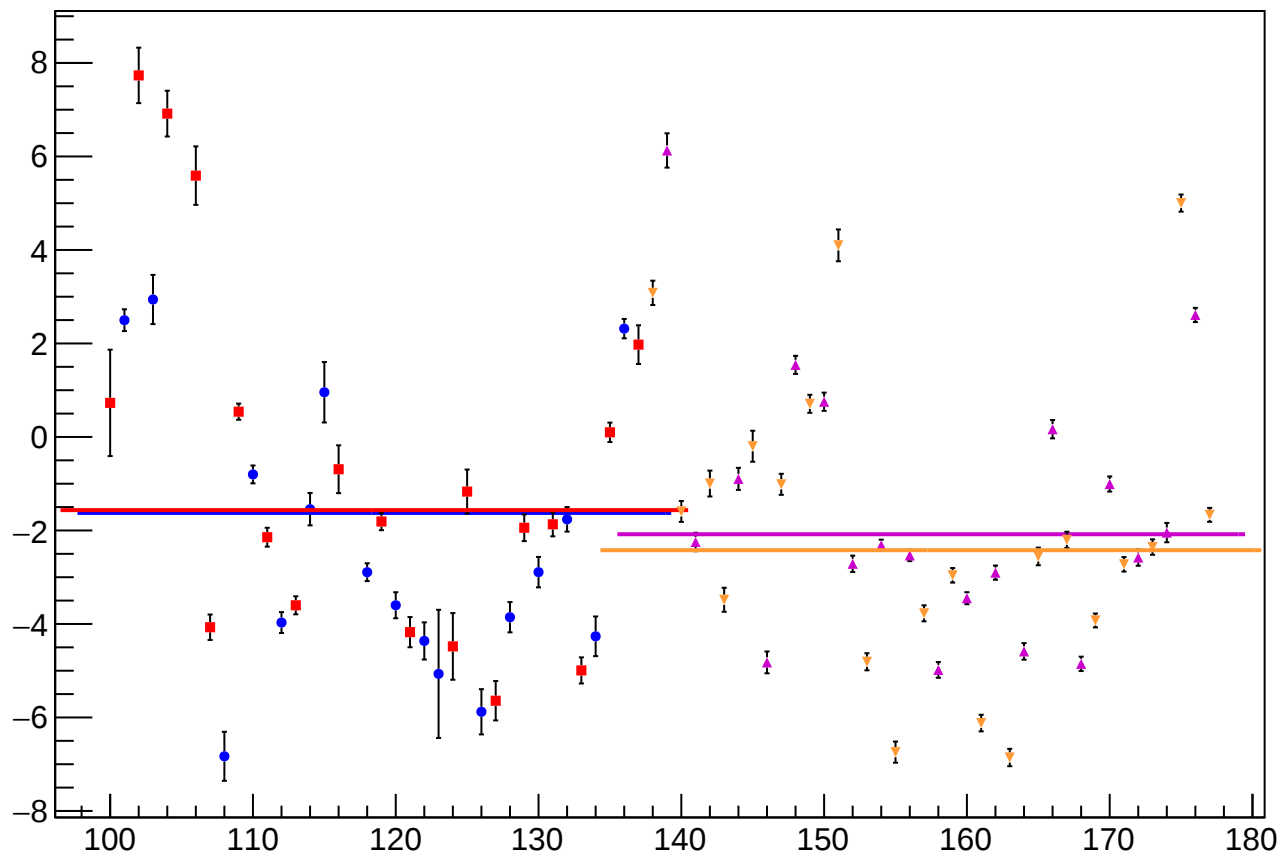
Right: -2.202 ± 0.074 χ^2/NDF : 1369.3/35

In: 15.302 ± 0.042 χ^2/NDF : 64507.6/35

Out: 17.405 ± 0.044 χ^2/NDF : 106036.8/39

All: 16.304 ± 0.030 χ^2/NDF : 171764.7/75

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.422 ± 0.042 χ^2/NDF : 4603.8/20

Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18

Left In: -2.081 ± 0.039 χ^2/NDF : 3351.0/18

Left: -2.238 ± 0.028 χ^2/NDF : 7990.7/39

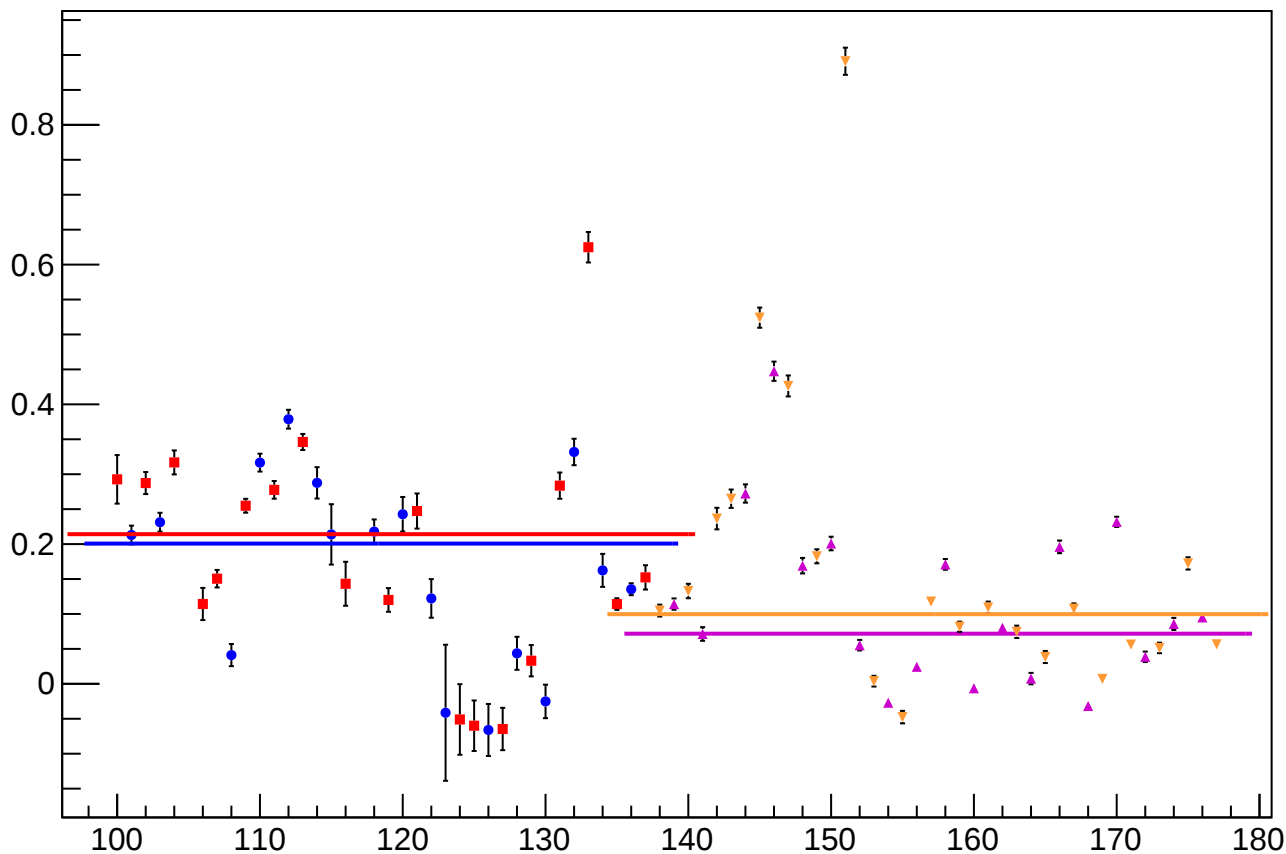
Right: -1.592 ± 0.048 χ^2/NDF : 2826.9/35

In: -1.976 ± 0.034 χ^2/NDF : 4703.4/35

Out: -2.174 ± 0.035 χ^2/NDF : 6231.1/39

All: -2.072 ± 0.024 χ^2/NDF : 10950.8/75

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.084 ± 0.001 $\chi^2/\text{NDF}: 7489.0/39$

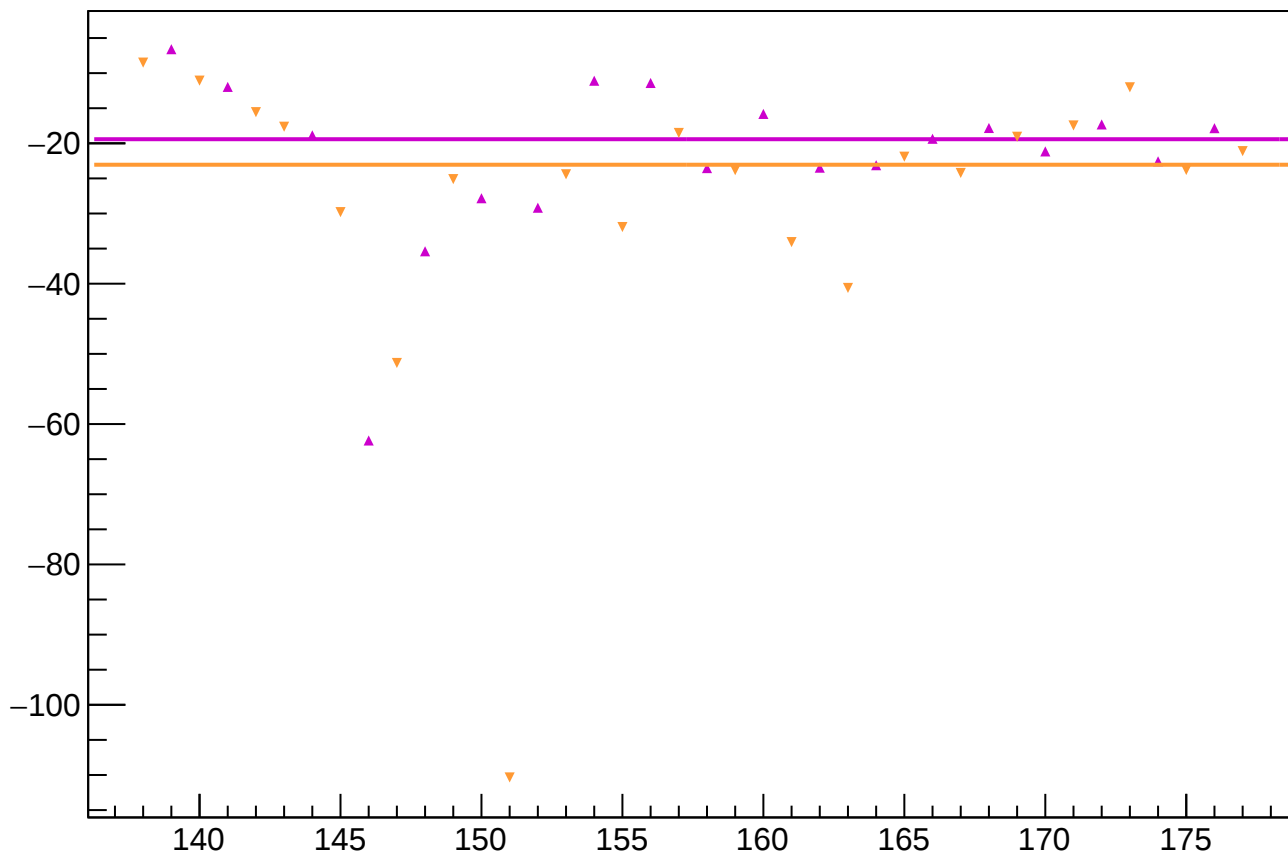
Right: 0.208 ± 0.003 $\chi^2/\text{NDF}: 1776.9/35$

In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 4692.7/35$

Out: 0.123 ± 0.002 $\chi^2/\text{NDF}: 6041.2/39$

All: 0.105 ± 0.001 $\chi^2/\text{NDF}: 10946.3/75$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.051+/-0.050 χ^2/NDF :62417.0/20

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

Left In: -19.416+/-0.047 χ^2/NDF :36437.1/18

Left: -21.119+/-0.034 χ^2/NDF : 101672.0/39

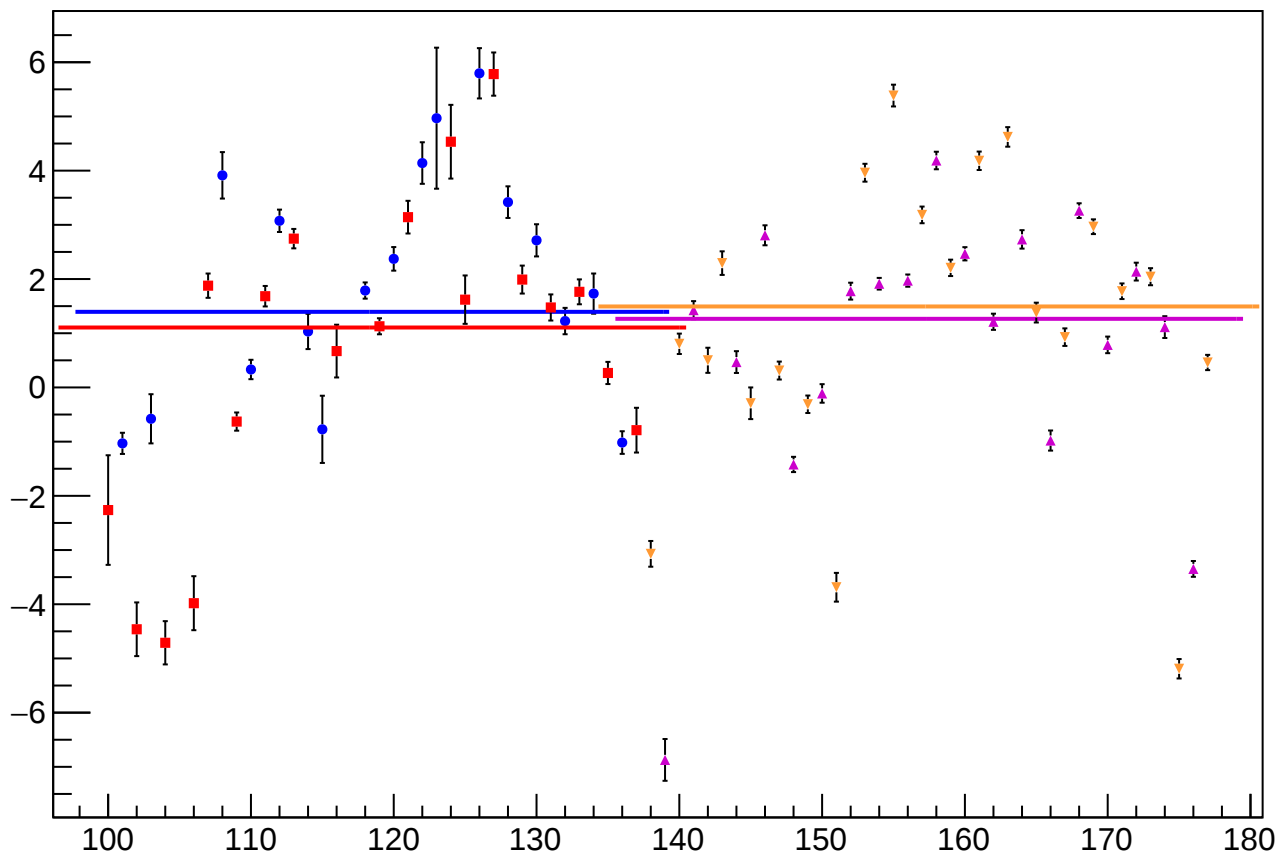
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.416+/-0.047 χ^2/NDF :36437.1/18

Out: -23.051+/-0.050 χ^2/NDF :62417.0/20

All: -21.119+/-0.034 χ^2/NDF : 101672.0/39

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 1.494 ± 0.038 χ^2/NDF : 3893.5/20

Right Out: 1.106 ± 0.059 χ^2/NDF : 937.0/18

Left In: 1.266 ± 0.035 χ^2/NDF : 2944.7/18

Left: 1.371 ± 0.026 χ^2/NDF : 6857.6/39

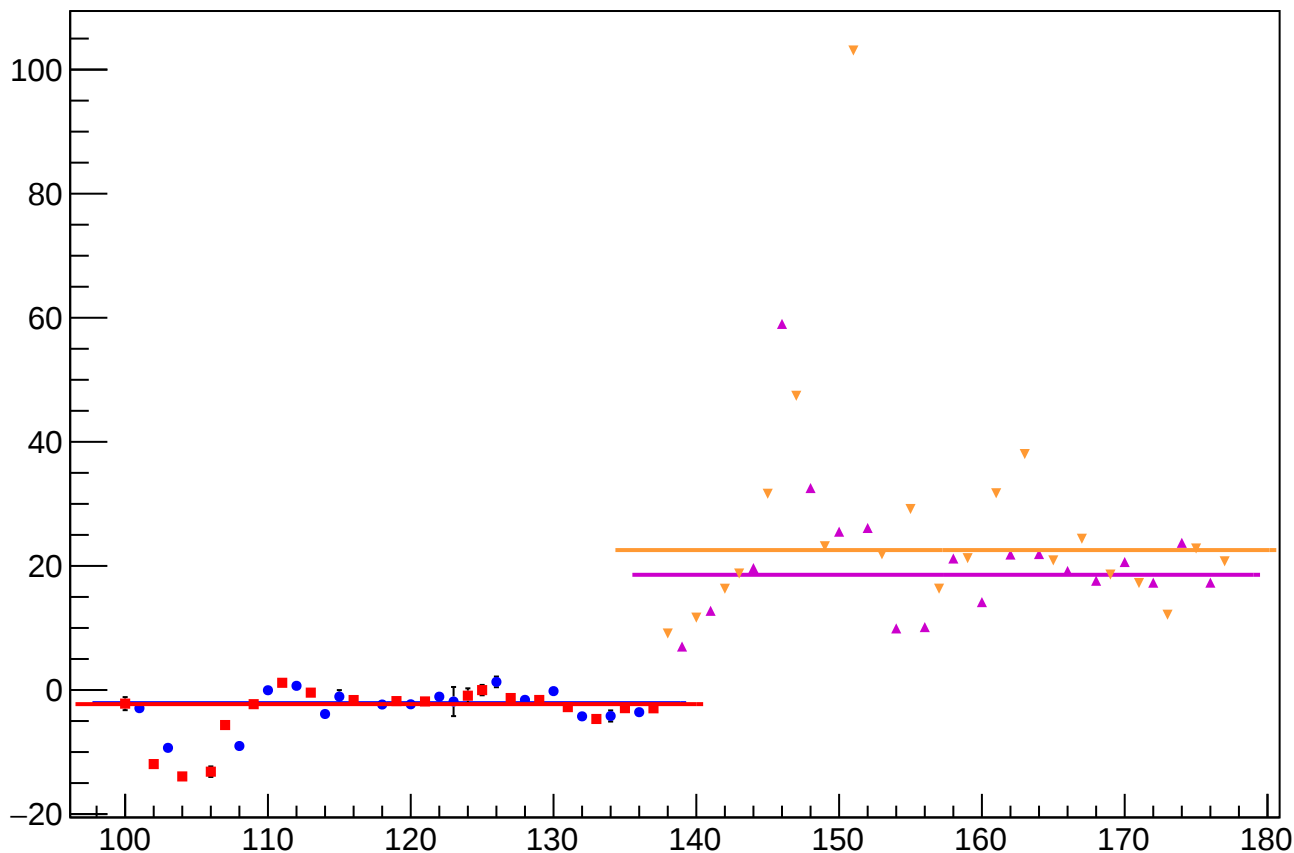
Right: 1.241 ± 0.043 χ^2/NDF : 1649.6/35

In: 1.297 ± 0.031 χ^2/NDF : 3649.3/35

Out: 1.381 ± 0.032 χ^2/NDF : 4860.9/39

All: 1.337 ± 0.022 χ^2/NDF : 8513.8/75

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 22.554 ± 0.050 χ^2/NDF : 55503.2/20

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

Left In: 18.570 ± 0.046 χ^2/NDF : 34560.4/18

Left: 20.411 ± 0.034 χ^2/NDF : 93546.0/39

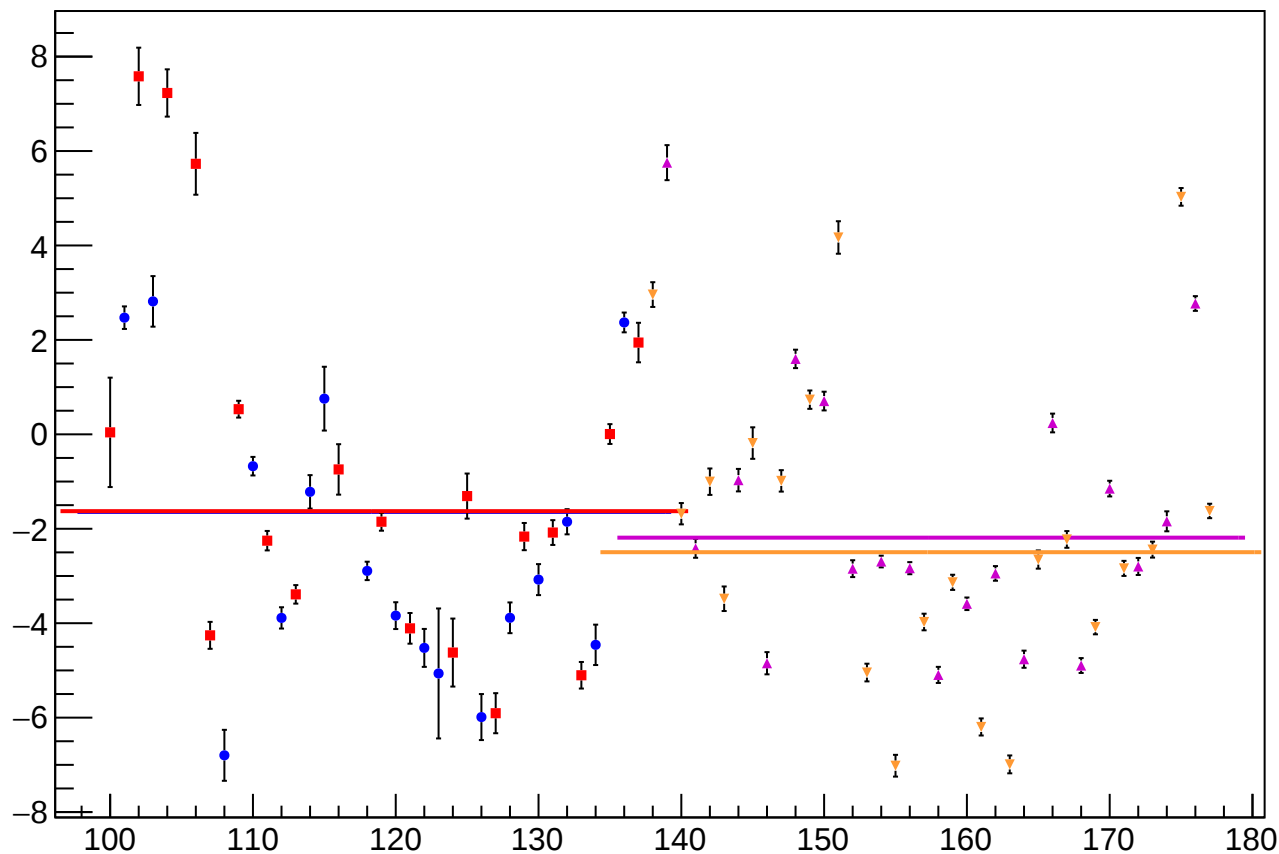
Right: -2.207 ± 0.075 χ^2/NDF : 1406.8/35

In: 15.653 ± 0.043 χ^2/NDF : 63689.0/35

Out: 17.745 ± 0.044 χ^2/NDF : 105123.9/39

All: 16.653 ± 0.031 χ^2/NDF : 169969.5/75

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: -2.496 ± 0.043 χ^2/NDF : 4634.4/20

Right Out: -1.627 ± 0.067 χ^2/NDF : 1468.1/18

Left In: -2.188 ± 0.040 χ^2/NDF : 3391.3/18

Left: -2.331 ± 0.029 χ^2/NDF : 8053.7/39

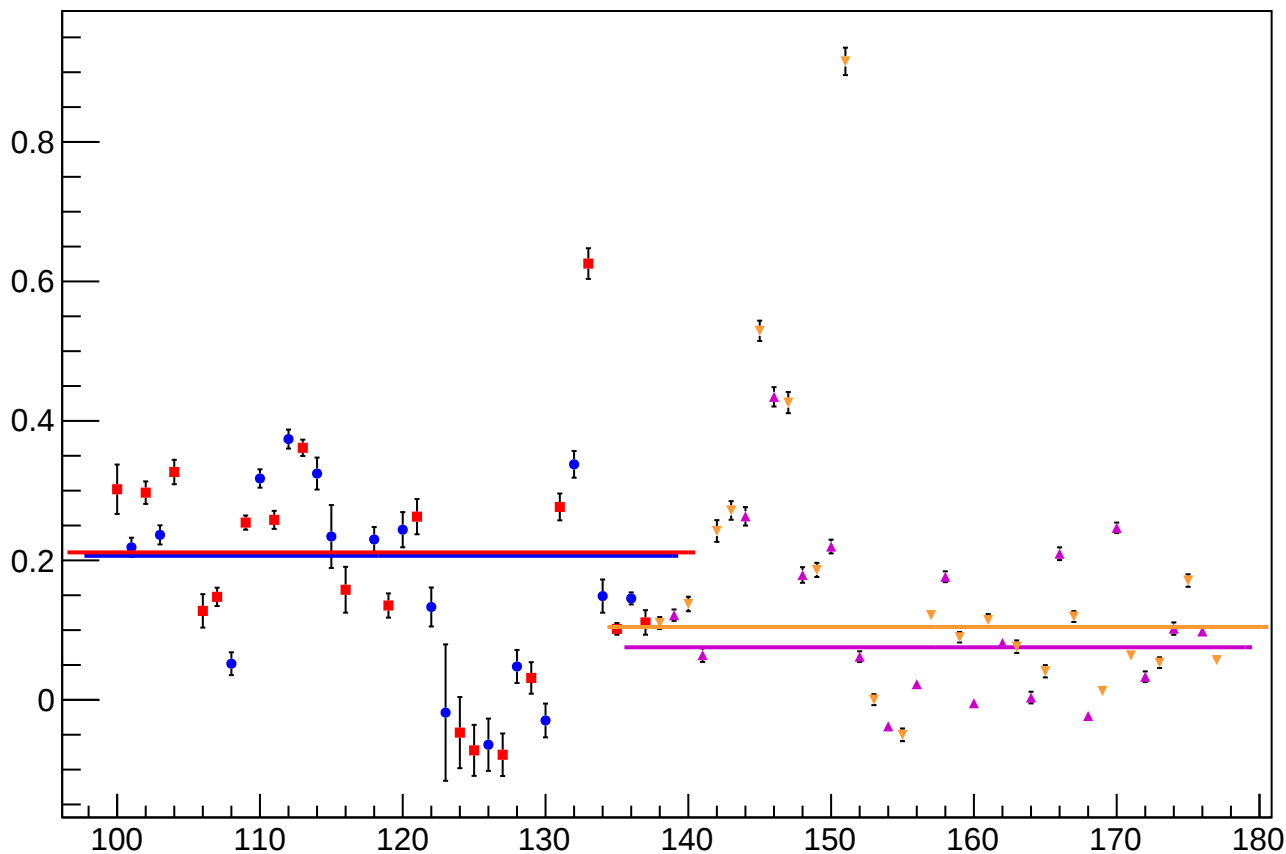
Right: -1.635 ± 0.049 χ^2/NDF : 2778.2/35

In: -2.062 ± 0.035 χ^2/NDF : 4745.0/35

Out: -2.245 ± 0.036 χ^2/NDF : 6222.4/39

All: -2.151 ± 0.025 χ^2/NDF : 10980.7/75

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: 0.104 ± 0.002 χ^2/NDF : 4219.0/20

Right Out: 0.211 ± 0.004 χ^2/NDF : 1145.6/18

Left In: 0.075 ± 0.002 χ^2/NDF : 3269.4/18

Left: 0.088 ± 0.001 χ^2/NDF : 7616.5/39

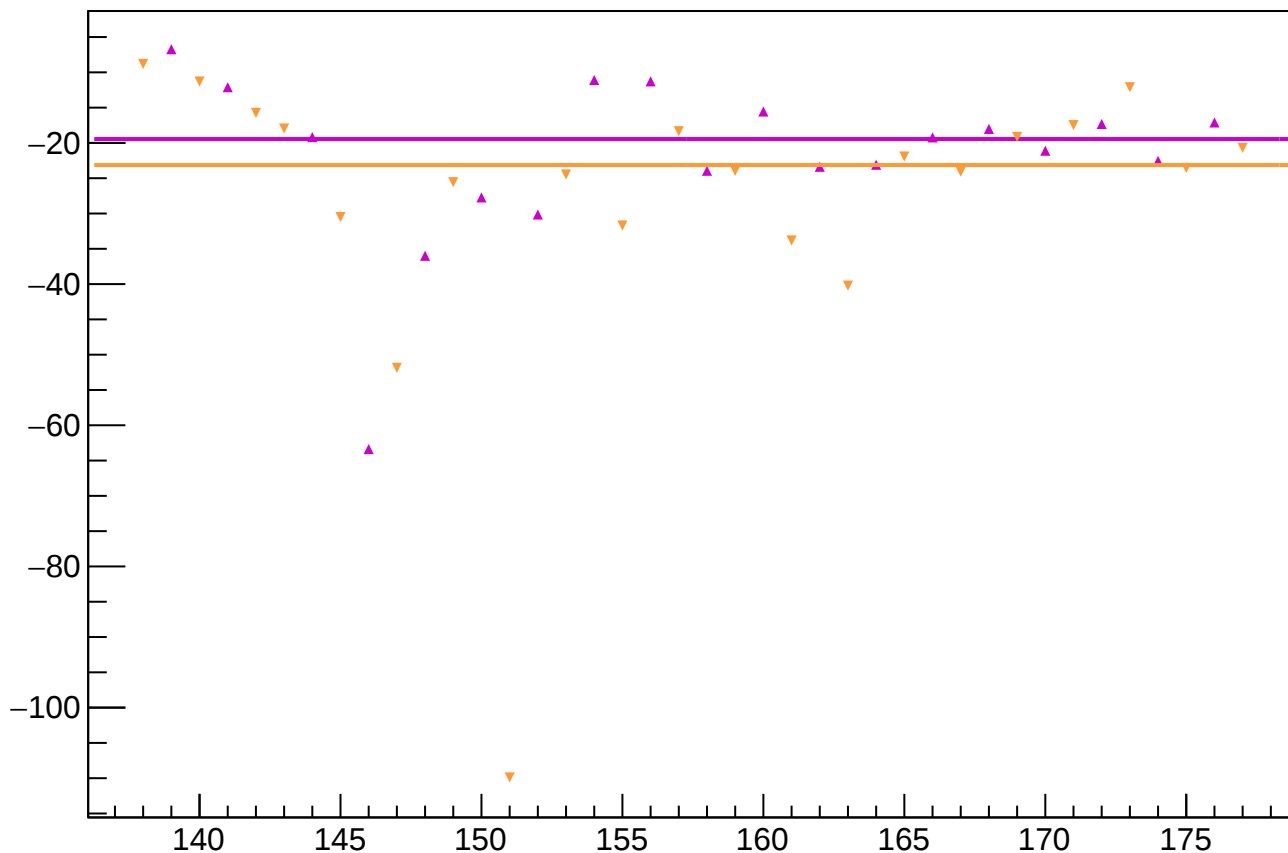
Right: 0.209 ± 0.003 χ^2/NDF : 1801.3/35

In: 0.094 ± 0.002 χ^2/NDF : 4753.0/35

Out: 0.126 ± 0.002 χ^2/NDF : 6006.8/39

All: 0.109 ± 0.001 χ^2/NDF : 10951.5/75

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.132+/-0.050 χ^2/NDF : 61273.3/20

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

Left In: -19.447+/-0.047 χ^2/NDF : 36868.9/18

Left: -21.175+/-0.034 χ^2/NDF : 100992.1/39

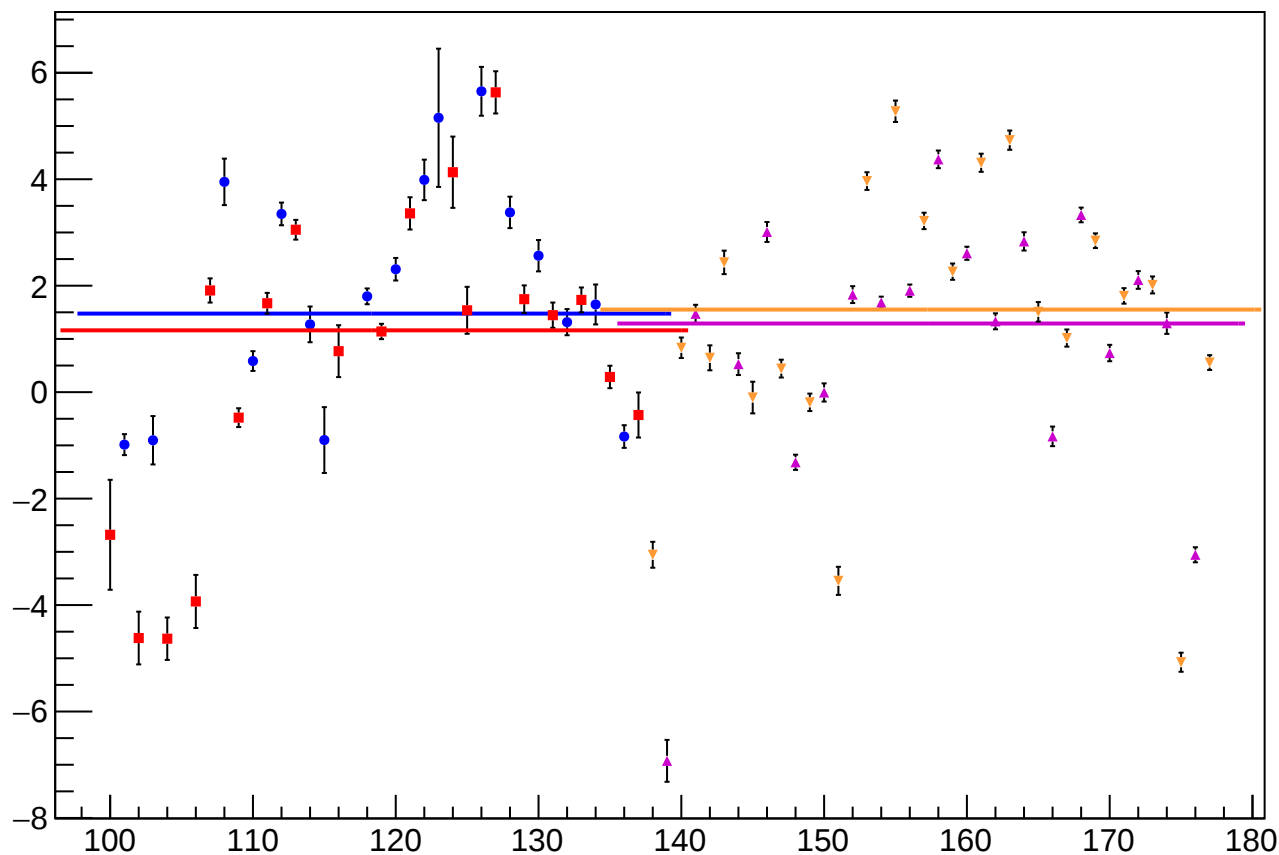
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.447+/-0.047 χ^2/NDF : 36868.9/18

Out: -23.132+/-0.050 χ^2/NDF : 61273.3/20

All: -21.175+/-0.034 χ^2/NDF : 100992.1/39

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: 1.551 ± 0.038 χ^2/NDF : 3757.2/20

Right Out: 1.161 ± 0.060 χ^2/NDF : 917.9/18

Left In: 1.289 ± 0.036 χ^2/NDF : 2848.1/18

Left: 1.411 ± 0.026 χ^2/NDF : 6630.5/39

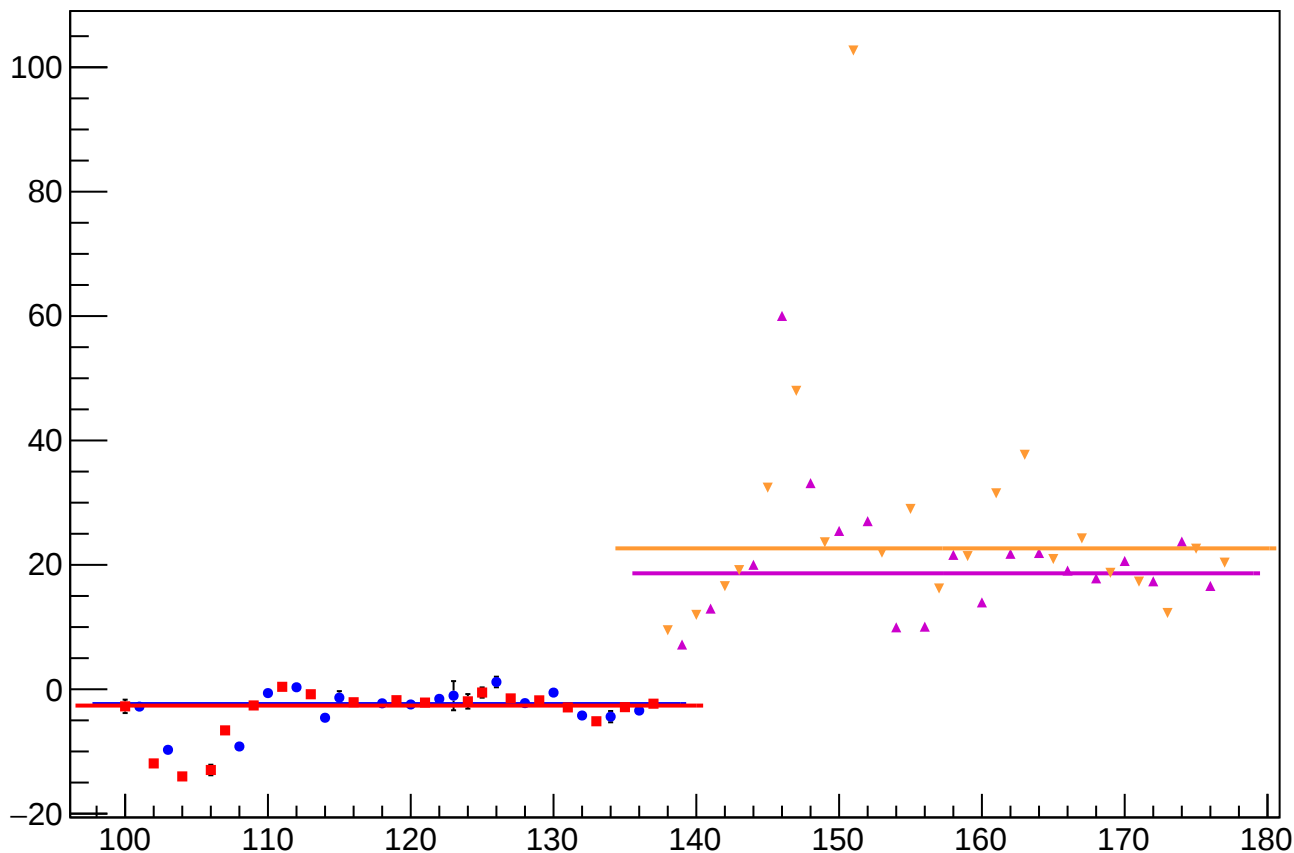
Right: 1.309 ± 0.044 χ^2/NDF : 1590.5/35

In: 1.334 ± 0.031 χ^2/NDF : 3514.3/35

Out: 1.438 ± 0.032 χ^2/NDF : 4705.2/39

All: 1.384 ± 0.022 χ^2/NDF : 8225.0/75

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 22.653 ± 0.050 χ^2/NDF : 54601.1/20

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

Left In: 18.641 ± 0.046 χ^2/NDF : 34976.4/18

Left: 20.499 ± 0.034 χ^2/NDF : 93054.9/39

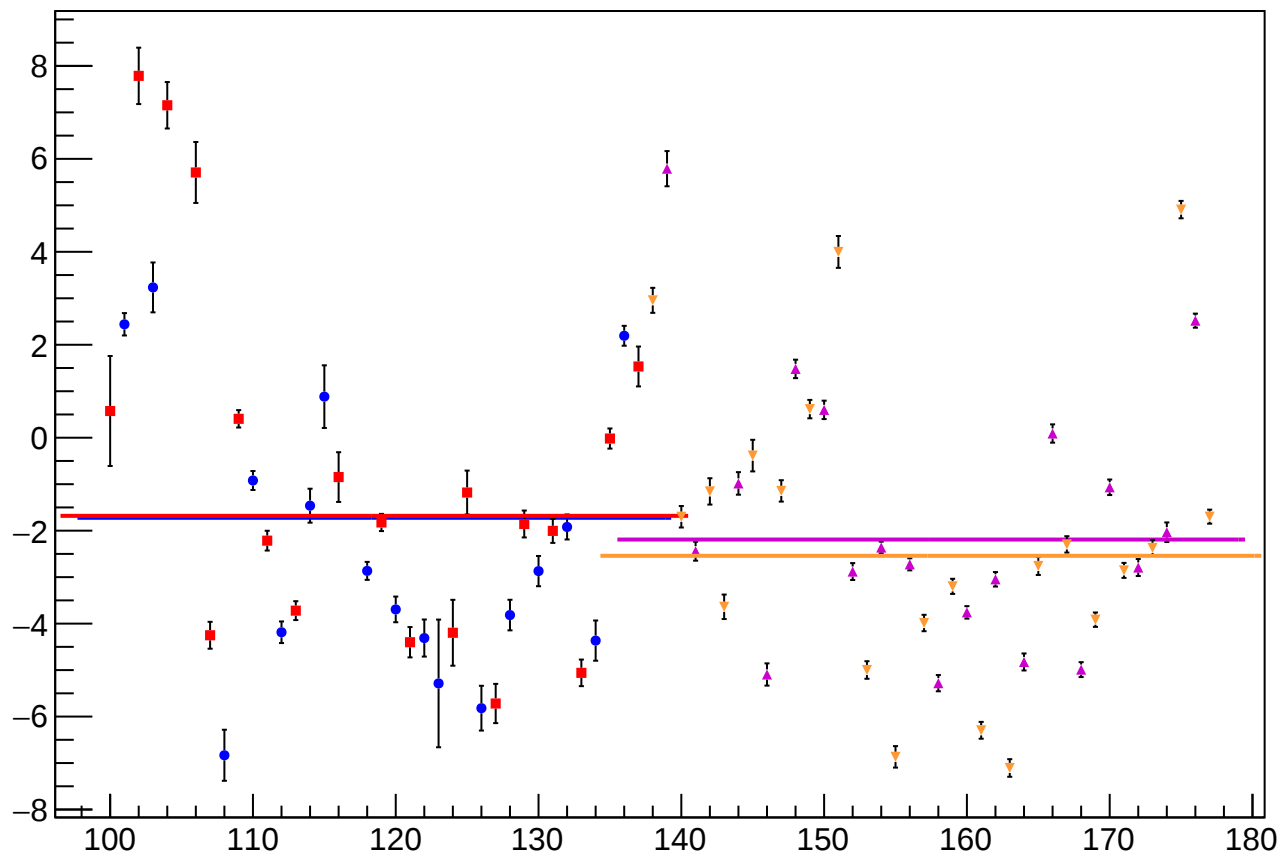
Right: -2.514 ± 0.077 χ^2/NDF : 1282.5/35

In: 15.710 ± 0.043 χ^2/NDF : 64153.5/35

Out: 17.874 ± 0.045 χ^2/NDF : 104033.2/39

All: 16.744 ± 0.031 χ^2/NDF : 169400.4/75

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -2.541 ± 0.043 χ^2/NDF : 4482.5/20

Right Out: -1.681 ± 0.068 χ^2/NDF : 1431.0/18

Left In: -2.191 ± 0.040 χ^2/NDF : 3339.0/18

Left: -2.354 ± 0.029 χ^2/NDF : 7856.8/39

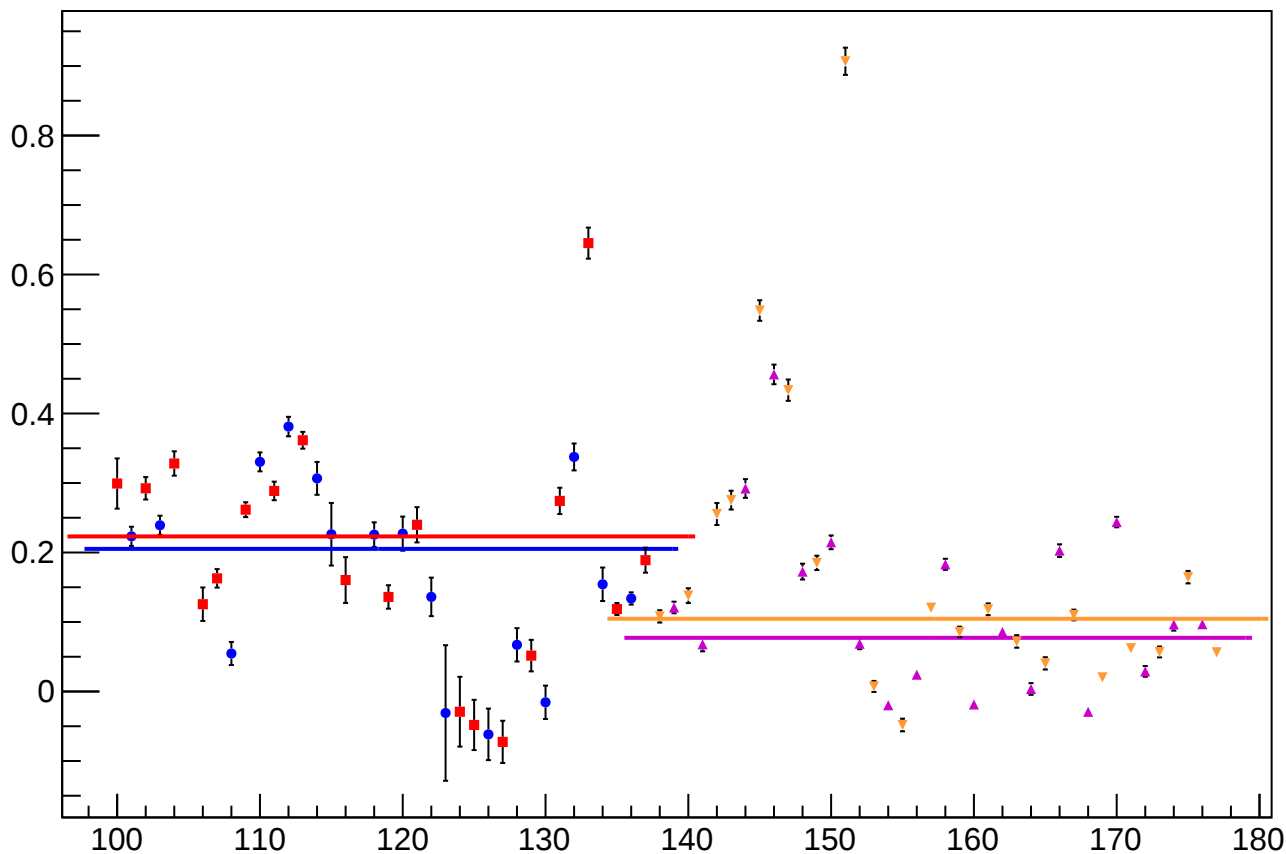
Right: -1.700 ± 0.050 χ^2/NDF : 2678.8/35

In: -2.083 ± 0.035 χ^2/NDF : 4618.2/35

Out: -2.295 ± 0.036 χ^2/NDF : 6027.9/39

All: -2.185 ± 0.025 χ^2/NDF : 10663.7/75

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.105 ± 0.002 χ^2/NDF : 4190.4/20

Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18

Left In: 0.077 ± 0.002 χ^2/NDF : 3236.6/18

Left: 0.090 ± 0.001 χ^2/NDF : 7539.1/39

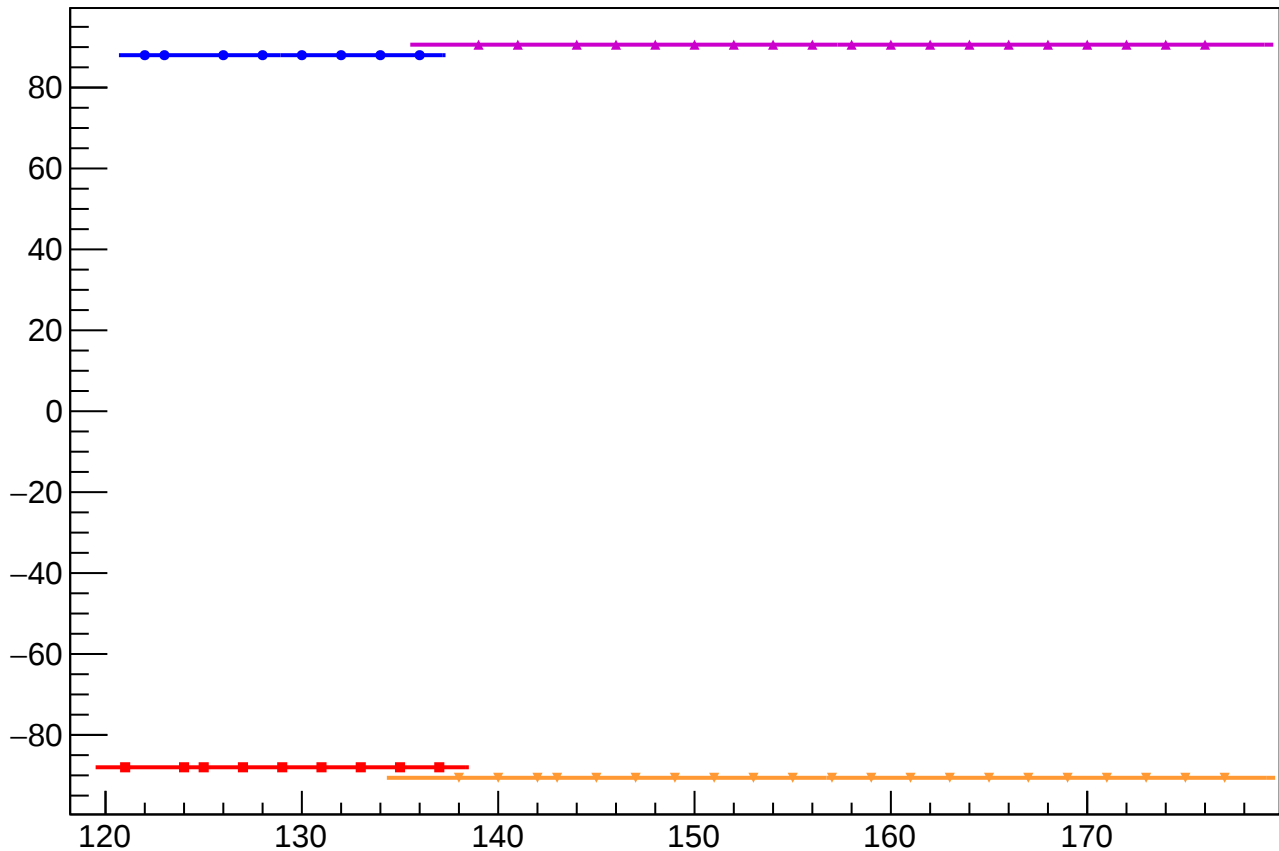
Right: 0.215 ± 0.003 χ^2/NDF : 1700.9/35

In: 0.095 ± 0.002 χ^2/NDF : 4655.8/35

Out: 0.128 ± 0.002 χ^2/NDF : 5991.3/39

All: 0.111 ± 0.001 χ^2/NDF : 10844.0/75

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 : 6597654.0/20

Right Out: -88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: 90.599+/-0.000 χ^2/NDF : 5394849.3/18

Left: -3.031+/-0.000 χ^2/NDF : 25974568579074691

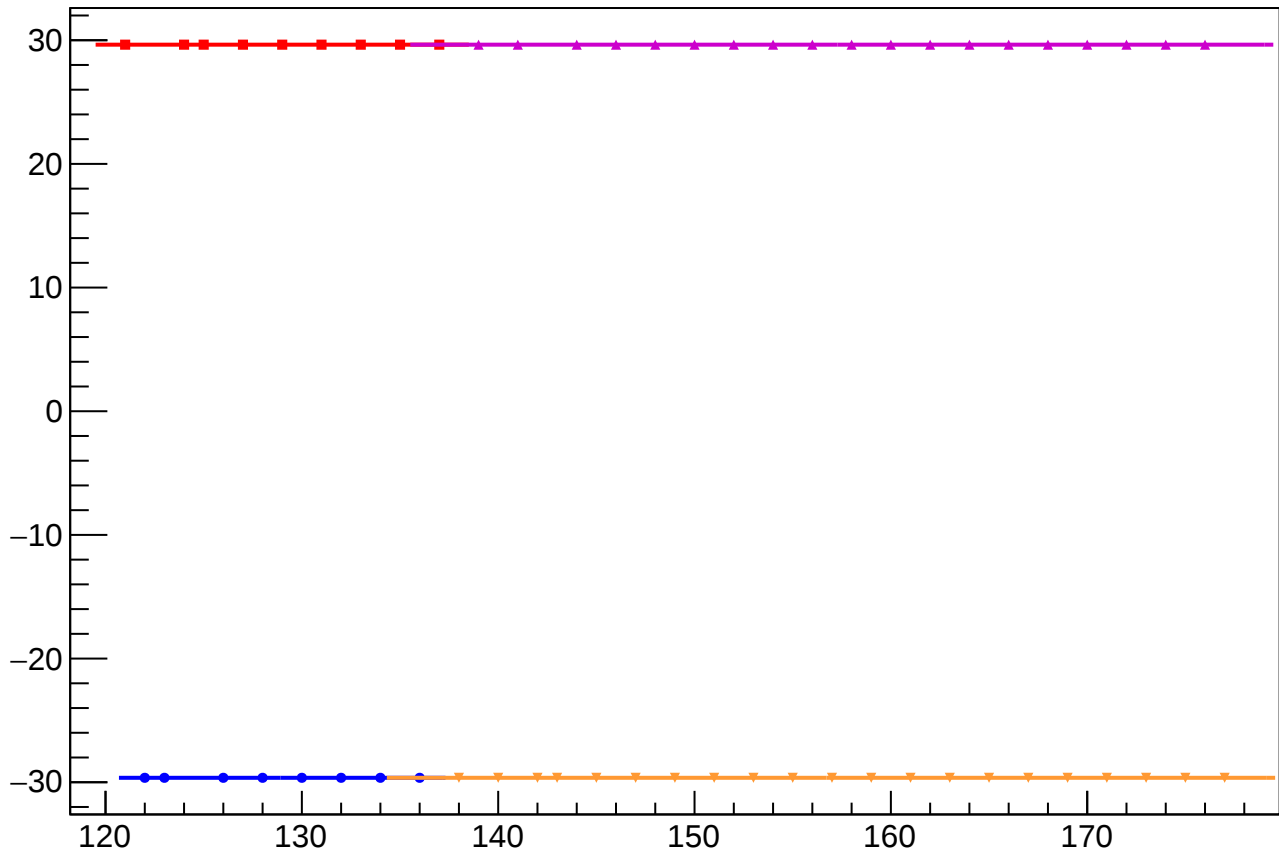
Right: 3.062+/-0.000 χ^2/NDF : 51126681569224617

In: 90.125+/-0.000 χ^2/NDF : 188773182905384684

Out: -90.175+/-0.000 χ^2/NDF : 1802798928036189

All: -1.980+/-0.000 χ^2/NDF : 3110754301147

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 : 304942.1/20

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: 29.641+/-0.000 χ^2/NDF : 345382.2/18

Left: -0.992+/-0.000 χ^2/NDF : 27801977767146597

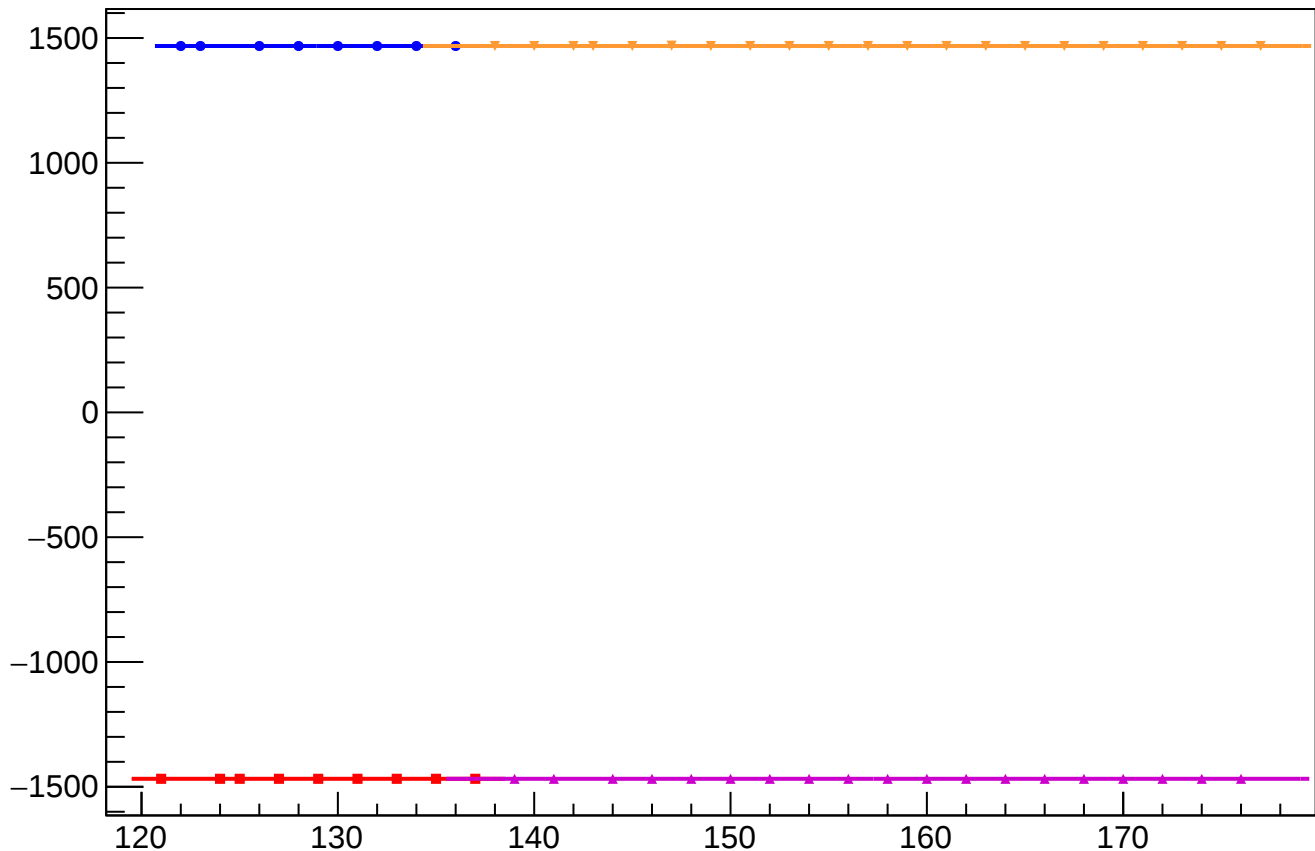
Right: -1.031+/-0.000 χ^2/NDF : 5800324943766944

In: 18.816+/-0.000 χ^2/NDF : 982427507237419894

Out: -19.973+/-0.000 χ^2/NDF : 9382260921078971

All: -0.999+/-0.000 χ^2/NDF : 3360231128919

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000

χ^2/NDF : 436234375.5/7

Left: 49.151+/-0.000

χ^2/NDF : 68196990426405892

Right: 51.079+/-0.000

χ^2/NDF : 1422706063207371

Left Out: 1468.056+/-0.000

χ^2/NDF : 127183086575535260738782106746880.0/20

Right Out: -1467.979+/-0.000

χ^2/NDF : 83183350.3/8

In: -931.900+/-0.000

χ^2/NDF : 2409724168589165

Out: 989.224+/-0.000

χ^2/NDF : 2301405140889540

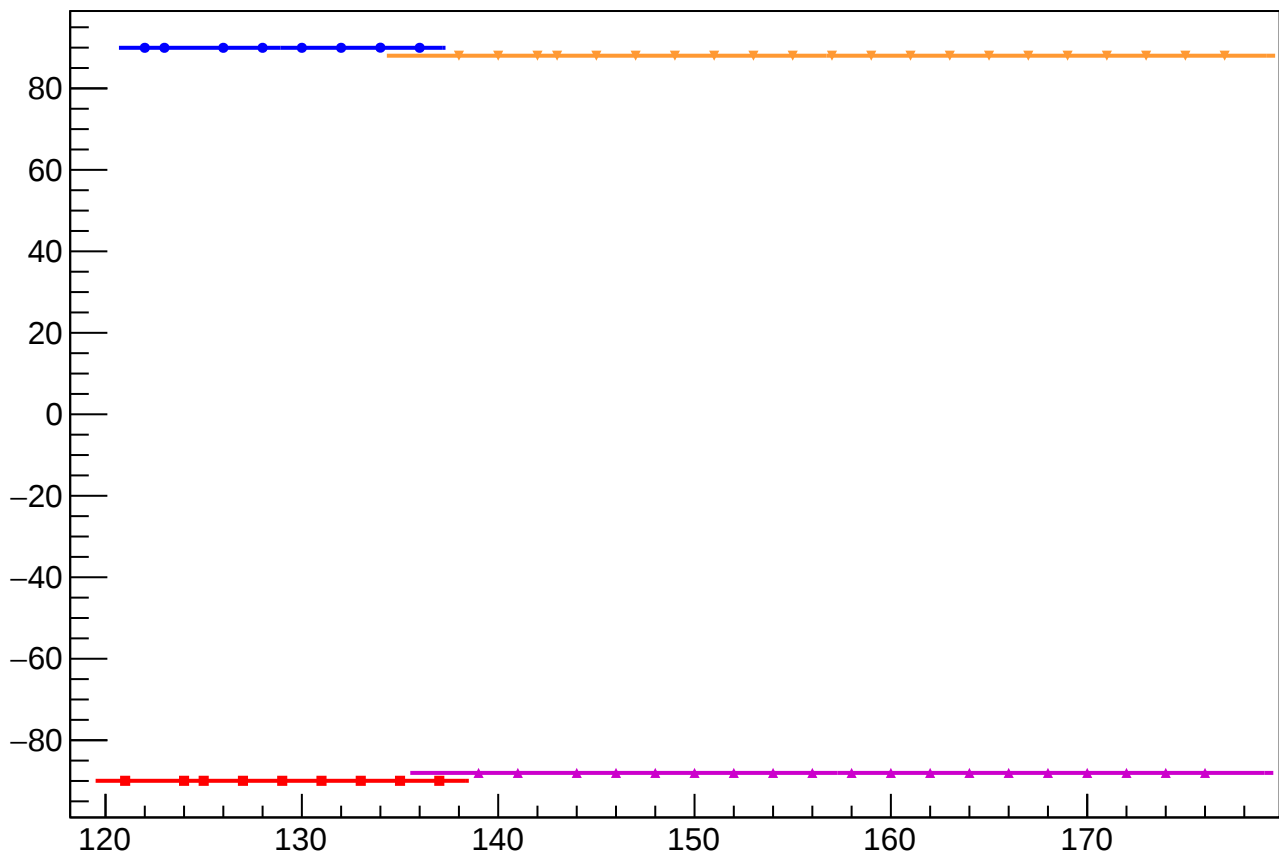
Left In: -1467.993+/-0.000

χ^2/NDF : 135506205063144735896586158080.0/18

All: 49.484+/-0.000

χ^2/NDF : 8242407139390

Phi_FG_mean vs Slug, Sign Corrected



Left: 2.945 ± 0.000 χ^2/NDF : 245170580552175048

Right: 3.131 ± 0.000 χ^2/NDF : 53429021948733419

In: -55.522 ± 0.000 χ^2/NDF : 88555559010815563

Out: 58.994 ± 0.000 χ^2/NDF : 84569335253175706

All: 2.977 ± 0.000 χ^2/NDF : 29859979193811

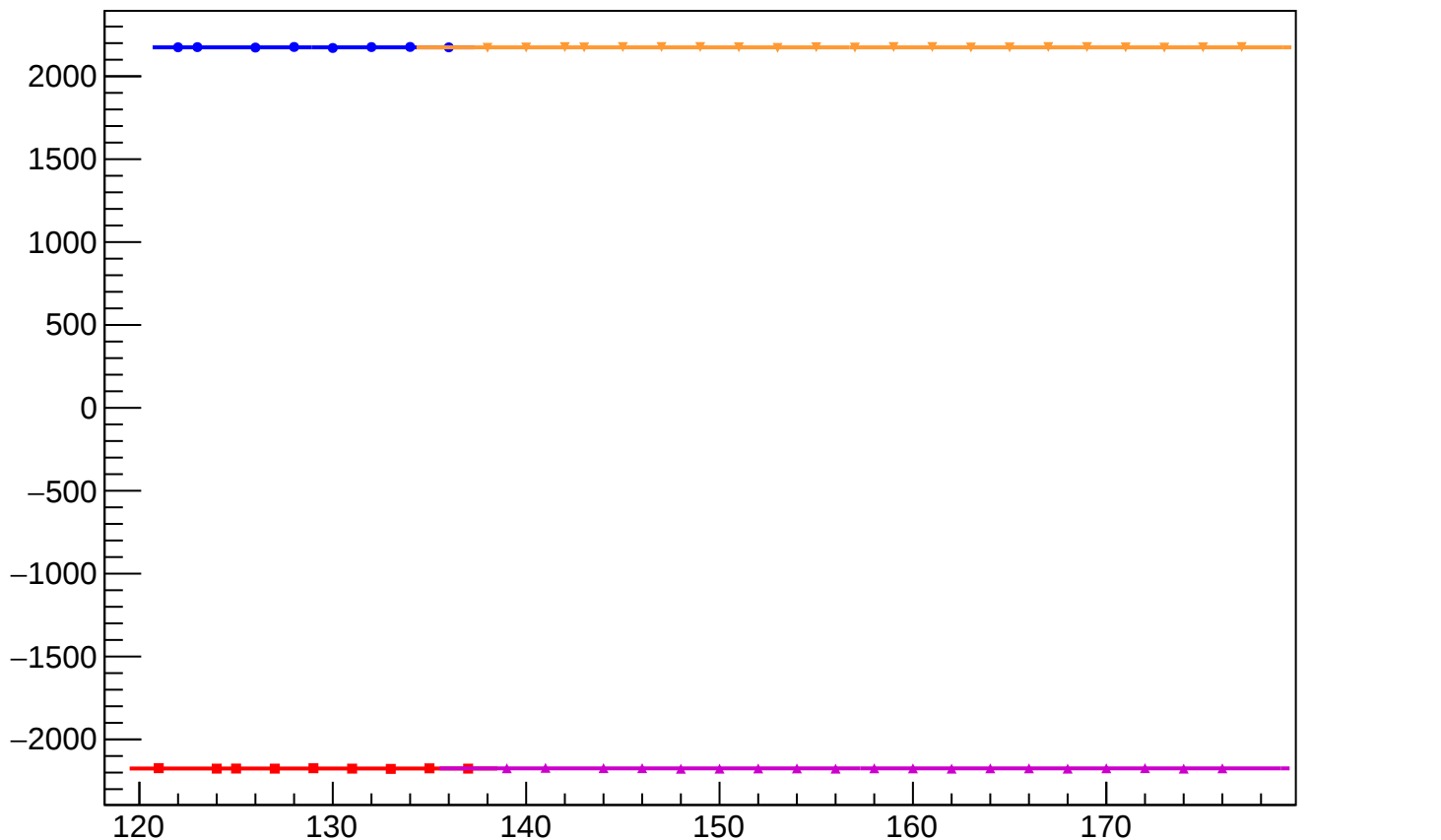
Right In: 89.961 ± 0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021 ± 0.000 χ^2/NDF : 5277719.3/20

Right Out: -89.959 ± 0.000 χ^2/NDF : 331397.3/8

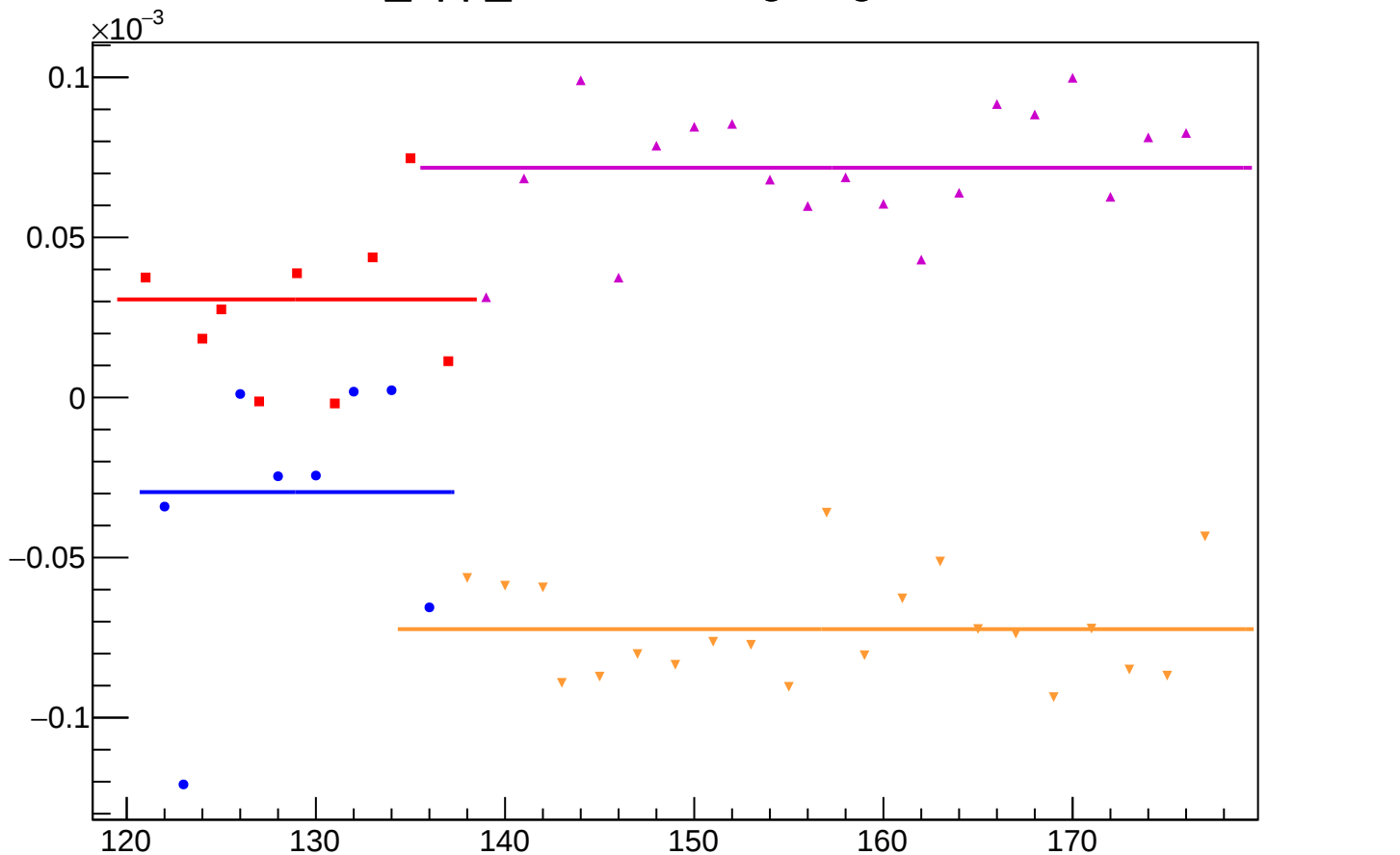
Left In: -88.021 ± 0.000 χ^2/NDF : 4974392.8/18

HALLA_p_mean vs Slug, Sign Corrected



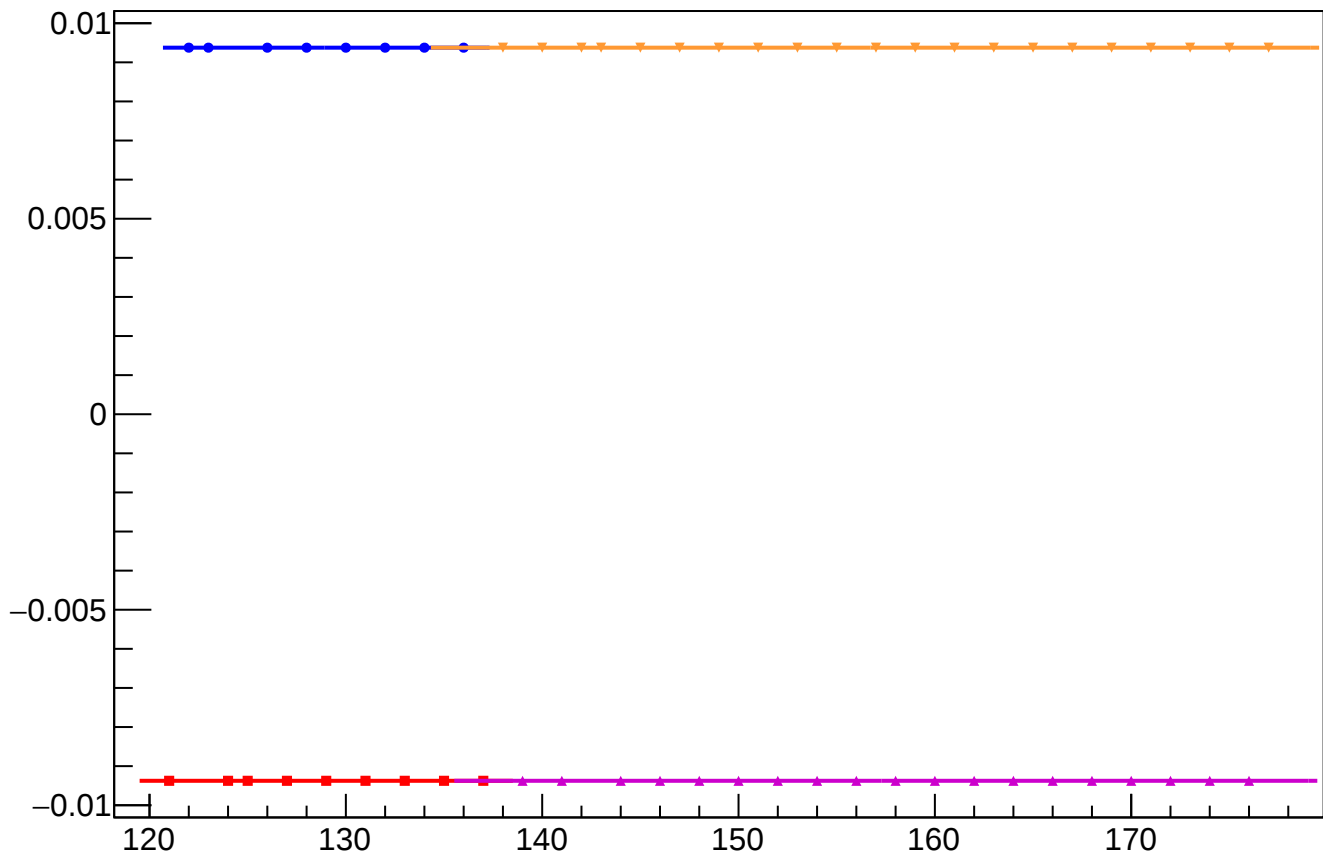
Right In: 2174.572 $\pm$ 0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7
 Left Out: 2174.542 $\pm$ 0.000 χ^2/NDF : 4441953156174607393263761733189632.0/20
 Right Out: -2175.442 $\pm$ 0.000 χ^2/NDF : 610778445075790556034346524868608.0/8
 Left In: -2174.619 $\pm$ 0.000 χ^2/NDF : 3030857860652847589763636795539456.0/18
 All: 73.158 $\pm$ 0.000 χ^2/NDF : 1808725936759

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000	χ^2/NDF : 250161267307815387529216.0/7	Left: -0.000+/-0.000	χ^2/NDF : 17387843461162793
Left Out: -0.000+/-0.000	χ^2/NDF : 414334925170595422273536.0/20	Right: -0.000+/-0.000	χ^2/NDF : 1044577663810456
Right Out: 0.000+/-0.000	χ^2/NDF : 196732771178766734983168.0/8	In: 0.000+/-0.000	χ^2/NDF : 3662939002852154896
Left In: 0.000+/-0.000	χ^2/NDF : 544117765828684783026176.0/18	Out: -0.000+/-0.000	χ^2/NDF : 34426422780824462
		All: -0.000+/-0.000	χ^2/NDF : 1843508550730

MQ171LM_mean vs Slug, Sign Corrected



Left: 0.000 ± 0.000 $\chi^2/\text{NDF}: 278125776811078886$

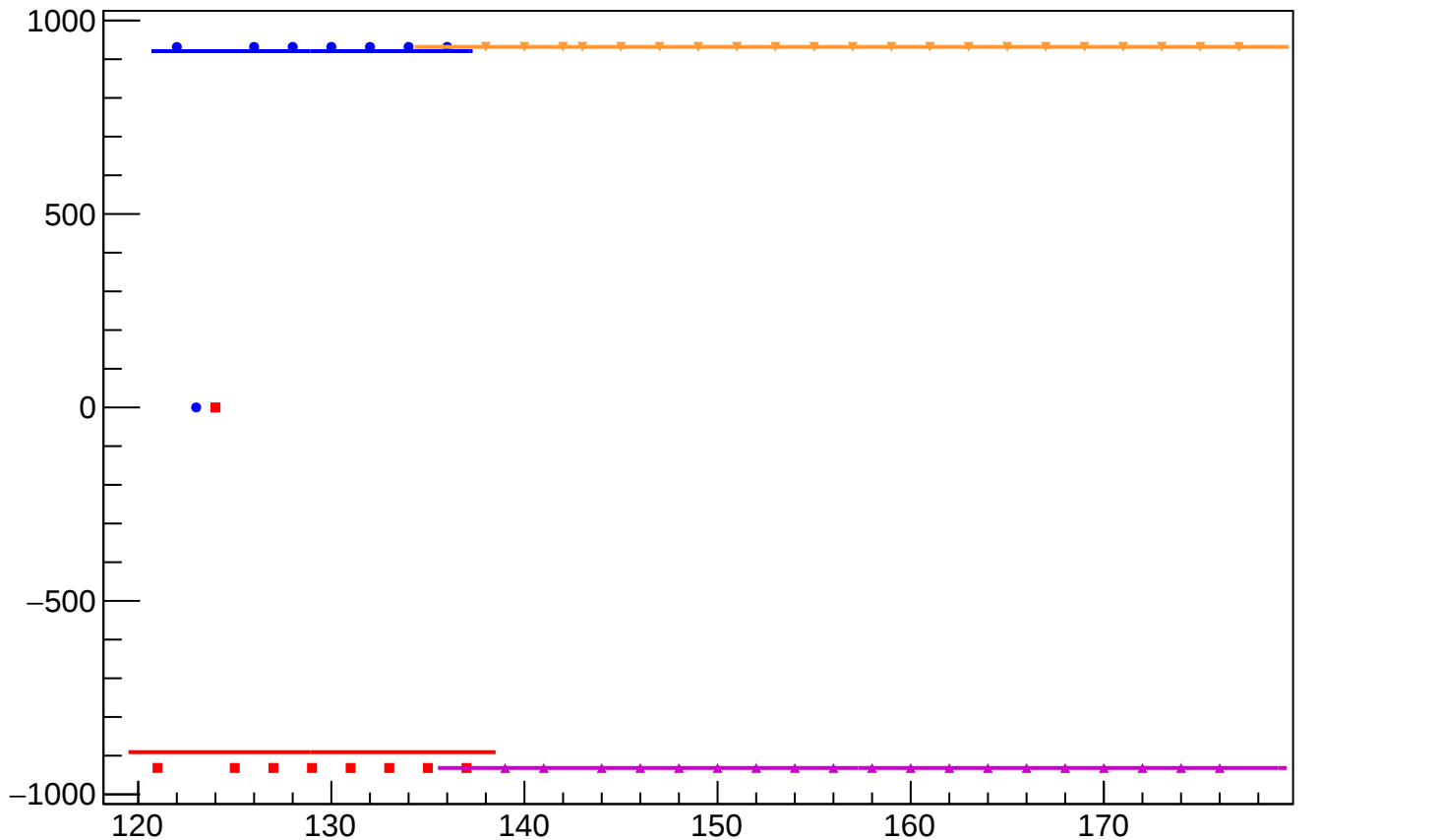
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 58025364031769994$

In: -0.006 ± 0.000 $\chi^2/\text{NDF}: 982802072210355457$

Out: 0.006 ± 0.000 $\chi^2/\text{NDF}: 938583804639568442$

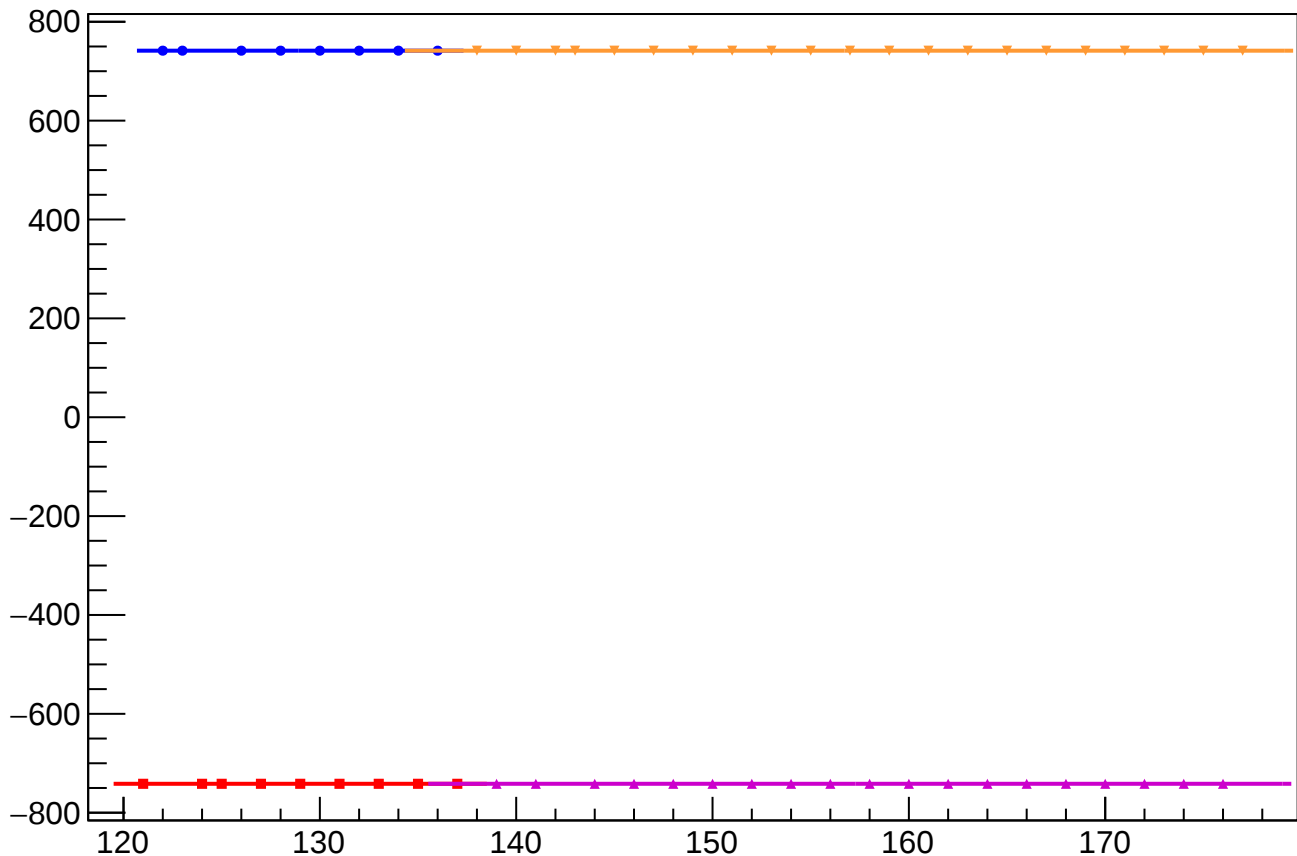
All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 33615122665839$

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



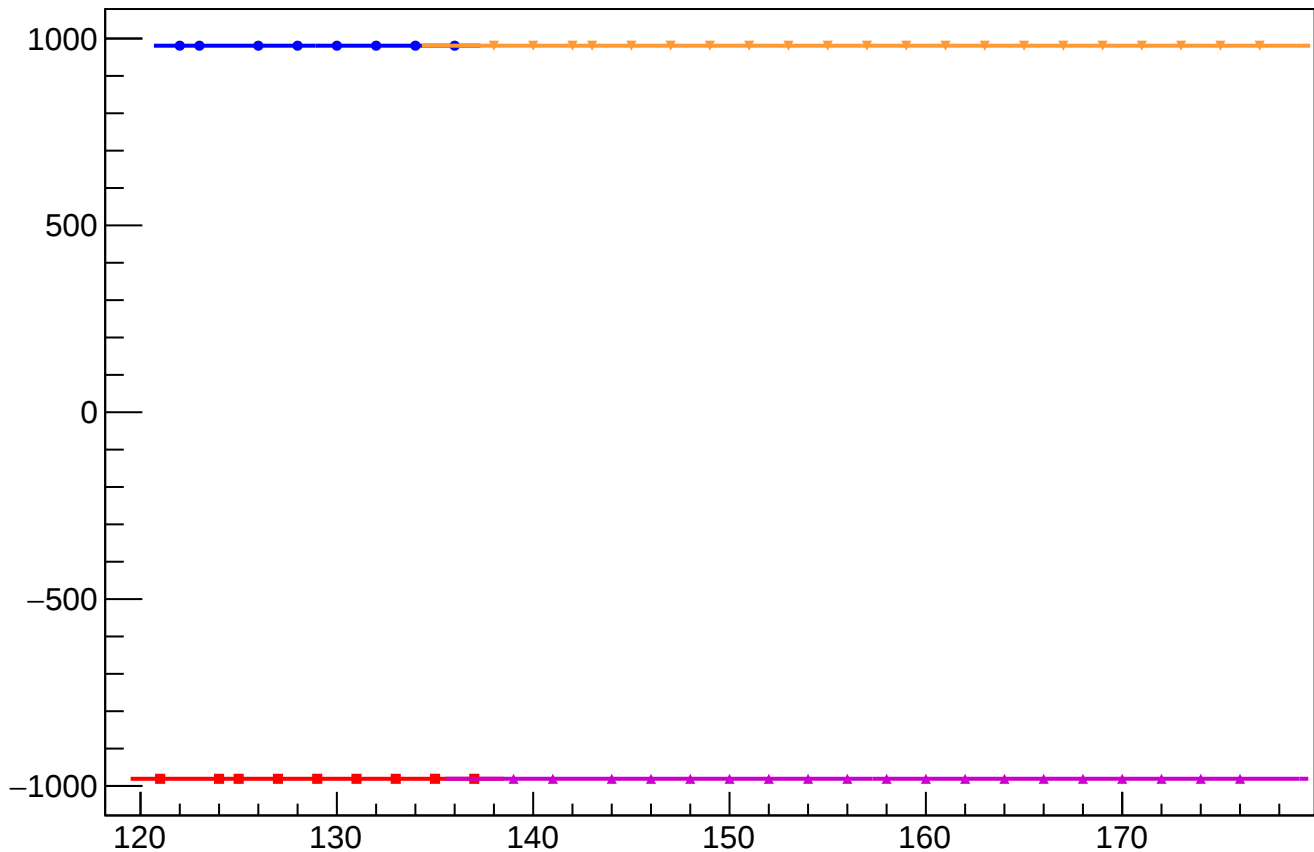
Right In: 920.898 ± 0.000	$\chi^2/\text{NDF}: 3432128841951899861299566212080992256.0/7$	Left: 31.181 ± 0.000	$\chi^2/\text{NDF}: 27474268276936668$
Left Out: 931.785 ± 0.000	$\chi^2/\text{NDF}: 3858417805460221205275190755328.0/20$	Right: 46.509 ± 0.000	$\chi^2/\text{NDF}: 5568625454904034$
Right Out: -890.923 ± 0.000	$\chi^2/\text{NDF}: 11621671430114409722932854398744788992.0/8$	In: -593.488 ± 0.000	$\chi^2/\text{NDF}: 9629691436405322$
Left In: -931.777 ± 0.000	$\chi^2/\text{NDF}: 3505726088331128103992591122432.0/18$	Out: 634.523 ± 0.000	$\chi^2/\text{NDF}: 8985832941684537$
	All: 33.827 ± 0.000		$\chi^2/\text{NDF}: 3304417862957$

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



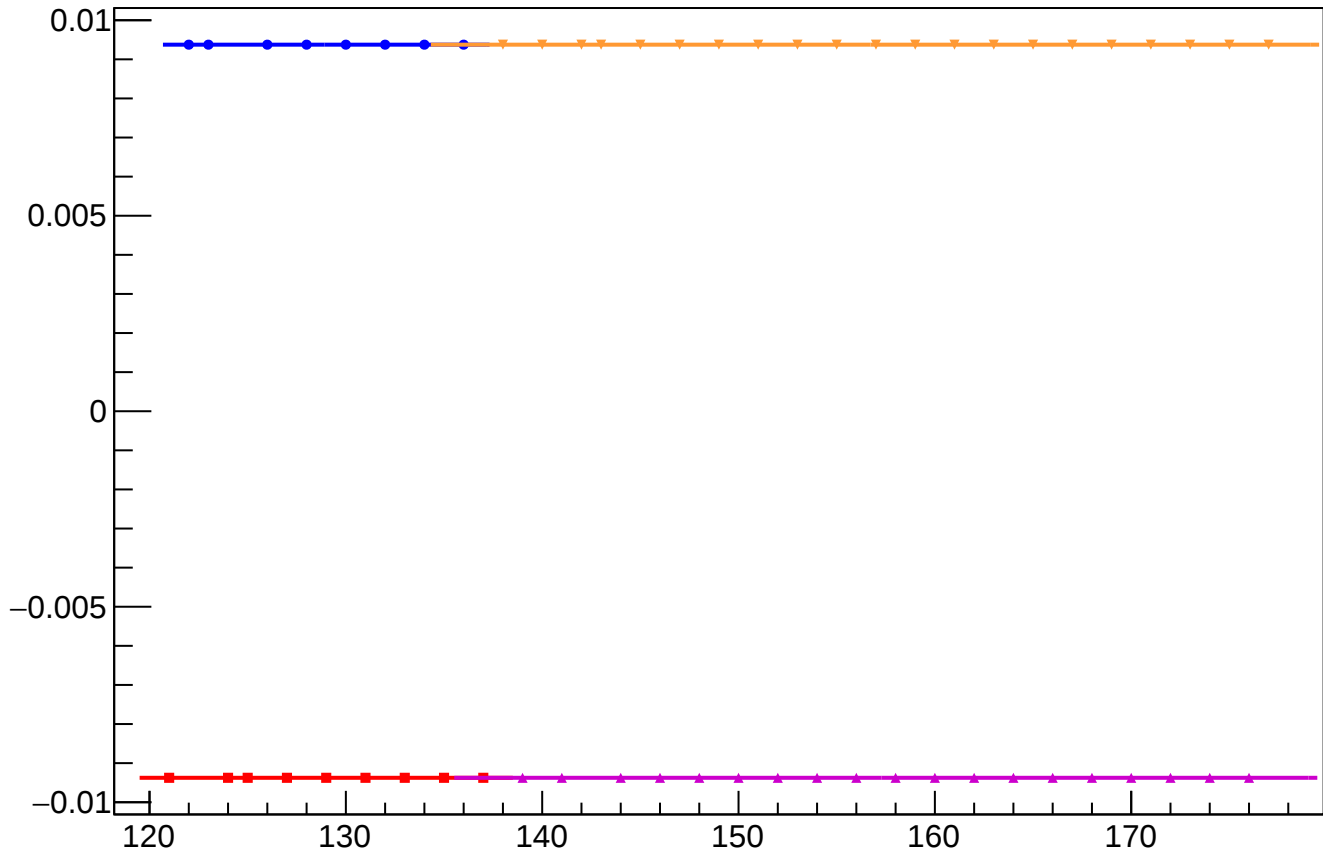
Right In: 741.528 $\pm$ 0.000 χ^2 /NDF: 18896144326732419810052800512.0/7
 Left Out: 741.512 $\pm$ 0.000 χ^2 /NDF: 219266249393064983038728863744.0/20
 Right Out: -741.529 $\pm$ 0.000 χ^2 /NDF: 16580353917842624420385914880.0/8
 Left In: -741.512 $\pm$ 0.000 χ^2 /NDF: 190427336713581408962071232512.0/18
 All: 24.982 $\pm$ 0.000 χ^2 /NDF: 2102962853472

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000	χ^2/NDF : 159345321268745350954763681792.0/7	Left: 32.813+/-0.000	χ^2/NDF : 30439189362741562
Left Out: 980.766+/-0.000	χ^2/NDF : 673263127403402374834638815232.0/20	Right: 34.132+/-0.000	χ^2/NDF : 6351195317188543
Right Out: -980.818+/-0.000	χ^2/NDF : 143689912167528137563261894656.0/8	In: -622.596+/-0.000	χ^2/NDF : 1075682121166814
Left In: -980.774+/-0.000	χ^2/NDF : 1399344609880309172300834406400.0/18	Out: 660.856+/-0.000	χ^2/NDF : 1027270002656912
		All: 33.040+/-0.000	χ^2/NDF : 3679039420068

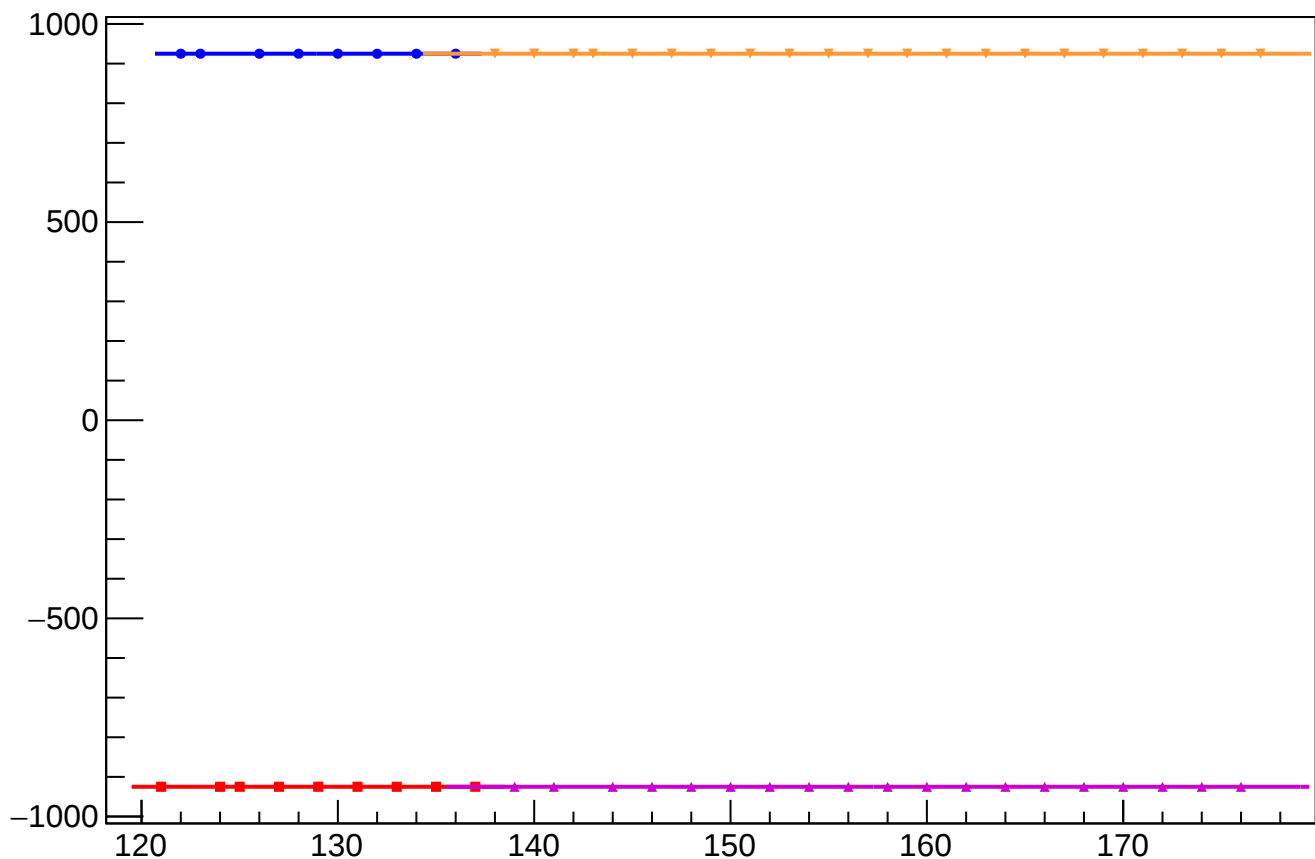
MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$
Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/20$
Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/18$

Left: 0.000 ± 0.000 $\chi^2/\text{NDF}: 278125776811078886$
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 58025364031769994$
In: -0.006 ± 0.000 $\chi^2/\text{NDF}: 982802072210355457$
Out: 0.006 ± 0.000 $\chi^2/\text{NDF}: 938583804639568442$
All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 33615122665839$

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939+/-0.000

χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.984+/-0.000

χ^2/NDF : 861275216713262218760222146560.0/20

Right Out: -924.957+/-0.000

χ^2/NDF : 71808709366506786060310151168.0/8

Left In: -924.985+/-0.000

χ^2/NDF : 717893350242083371727596814336.0/18

Left: 30.949+/-0.000 χ^2/NDF : 27074940879483051

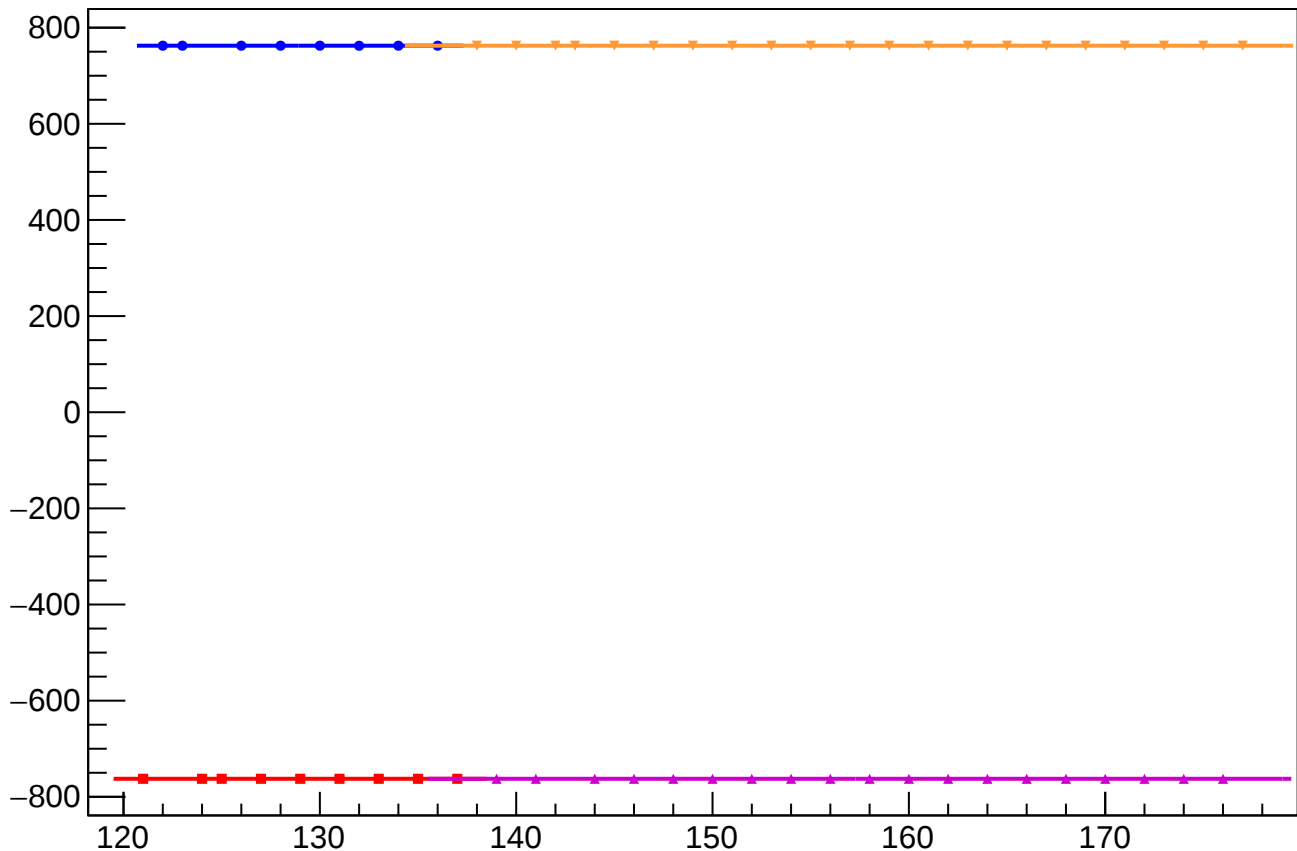
Right: 32.175+/-0.000 χ^2/NDF : 5648201825061875

In: -587.199+/-0.000 χ^2/NDF : 9566907015914801

Out: 623.281+/-0.000 χ^2/NDF : 9136632899680947

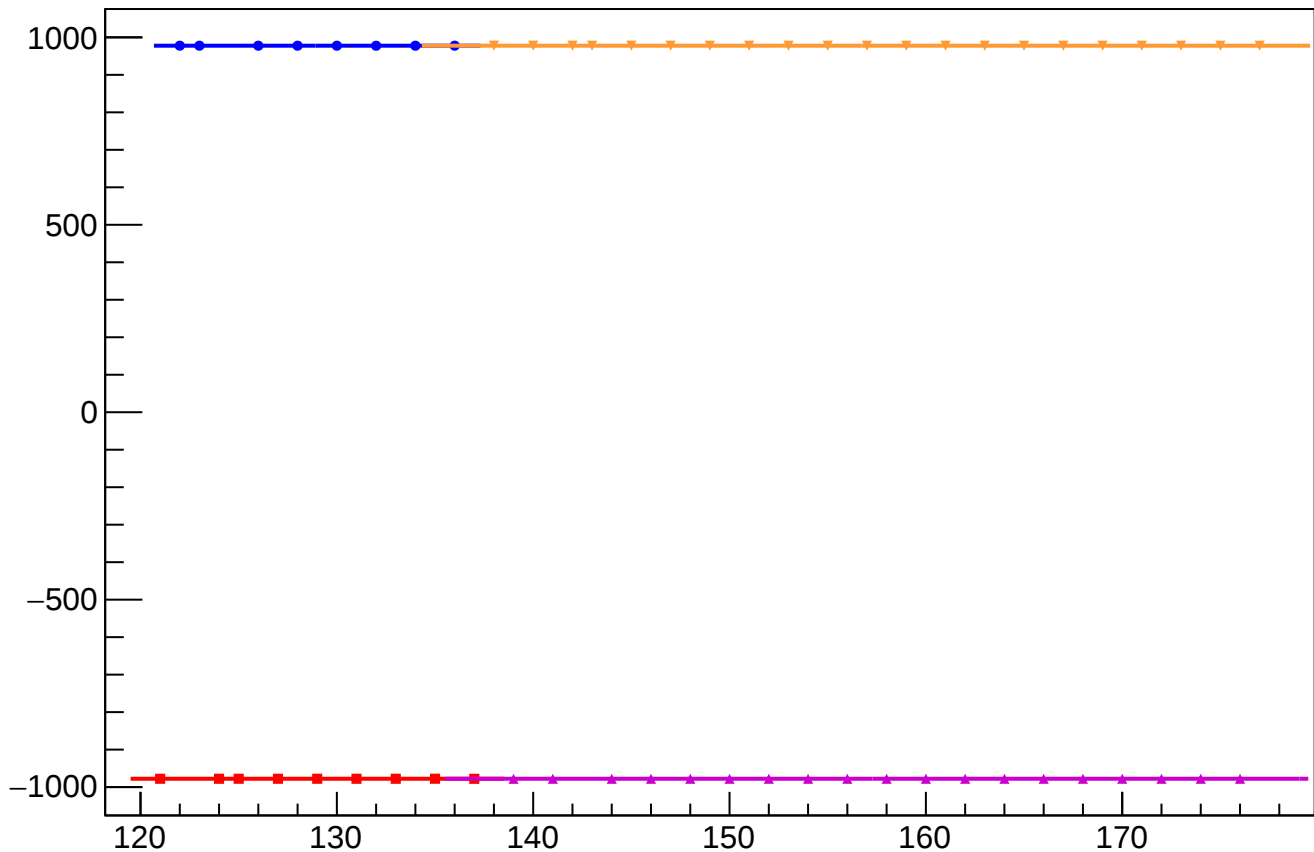
All: 31.161+/-0.000 χ^2/NDF : 3272315093212

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



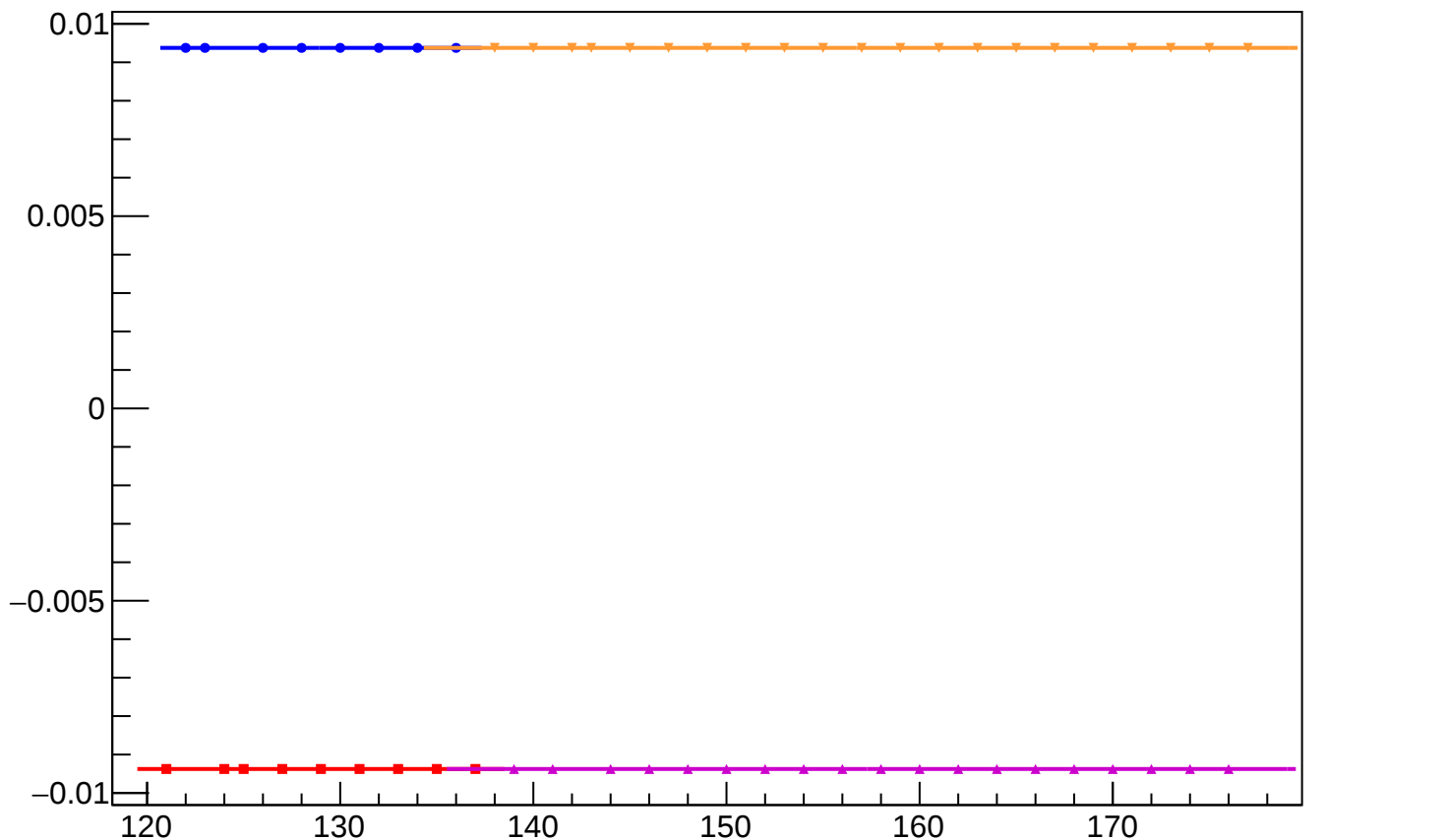
Right In: 762.484+/-0.000	χ^2/NDF : 784430761251084401798891438080.0/7	Left: 25.513+/-0.000	χ^2/NDF : 18399097263483473
Left Out: 762.516+/-0.000	χ^2/NDF : 633713815652901525948513386496.0/20	Right: 26.523+/-0.000	χ^2/NDF : 3838365691051738
Right Out: -762.501+/-0.000	χ^2/NDF : 469794702848036819563446272.0/8	In: -484.059+/-0.000	χ^2/NDF : 6501341056831808
Left In: -762.516+/-0.000	χ^2/NDF : 533087680247739152745101262848.0/18	Out: 513.804+/-0.000	χ^2/NDF : 6208975117157056
		All: 25.688+/-0.000	χ^2/NDF : 2223746852533

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7
 Left Out: 977.737+/-0.000 χ^2/NDF : 1148442283760371860886710648832.0/20
 Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8
 Left In: -977.734+/-0.000 χ^2/NDF : 966044992319771901936162308096.0/18
 All: 32.942+/-0.000 χ^2/NDF : 3656248309395

hesDipole_current_mean vs Slug, Sign Corrected



Left: 0.000 ± 0.000 $\chi^2/\text{NDF}: 278125776811078886$

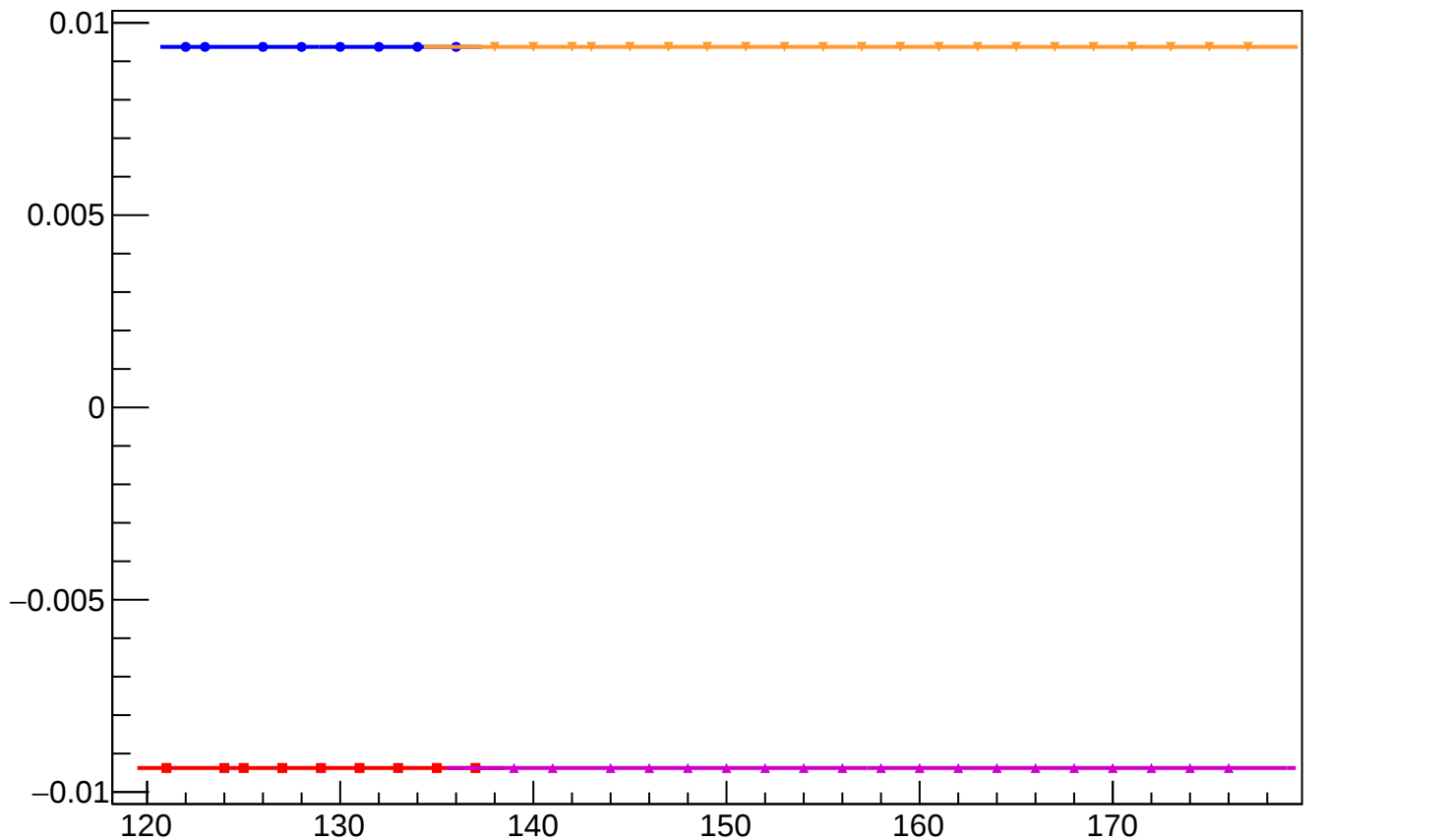
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 58025364031769994$

In: -0.006 ± 0.000 $\chi^2/\text{NDF}: 982802072210355457$

Out: 0.006 ± 0.000 $\chi^2/\text{NDF}: 938583804639568442$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 33615122665839$

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/20

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF :0.1/18

Left: 0.000+/-0.000 χ^2/NDF : 278125776811078886

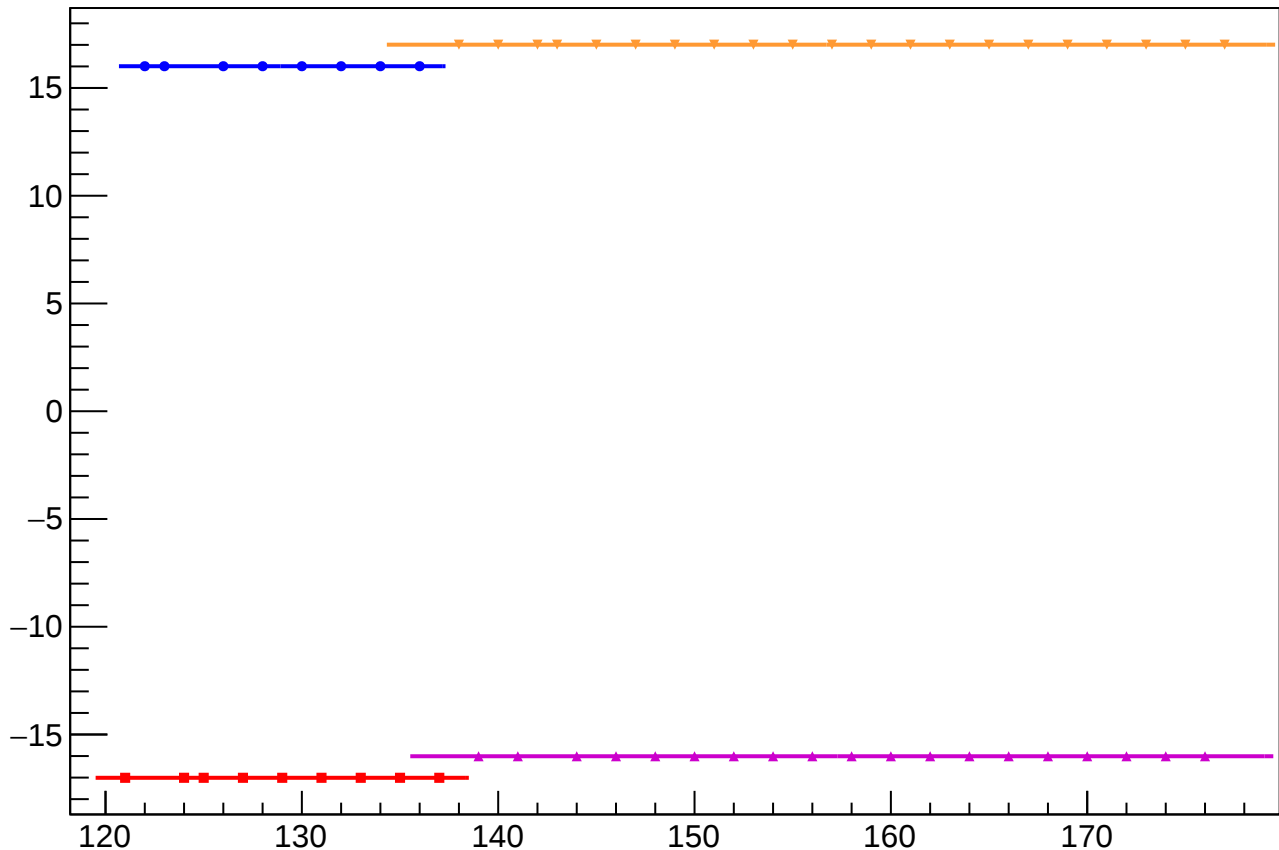
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.006+/-0.000 χ^2/NDF :982802072210355457

Out: 0.006+/-0.000 χ^2/NDF :938583804639568442

All: 0.000+/-0.000 χ^2/NDF : 33615122665839

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 : 23392093593986262548611072.0/20

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 126941797574154410524672.0/18

Left: 0.955+/-0.000 χ^2/NDF : 800437926346895973

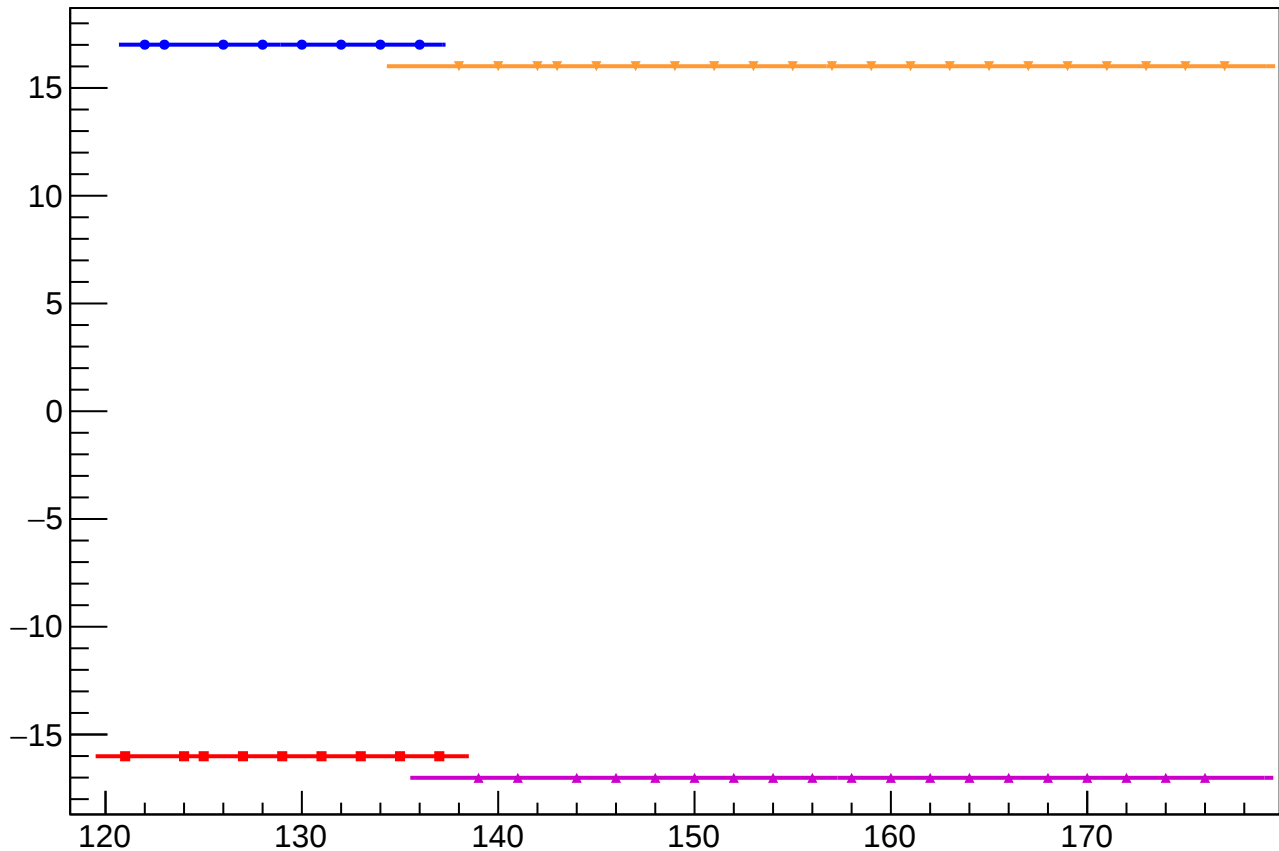
Right: -0.126+/-0.000 χ^2/NDF : 1683539334964133

In: -10.211+/-0.000 χ^2/NDF : 26529713943619587

Out: 11.340+/-0.000 χ^2/NDF : 29124328925688476

All: 0.767+/-0.000 χ^2/NDF : 96938842707290

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 86396.0/20

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: -17.009+/-0.000 χ^2/NDF : 114031080976129223294976.0/18

Left: 0.127+/-0.000 χ^2/NDF : 845893623137936764

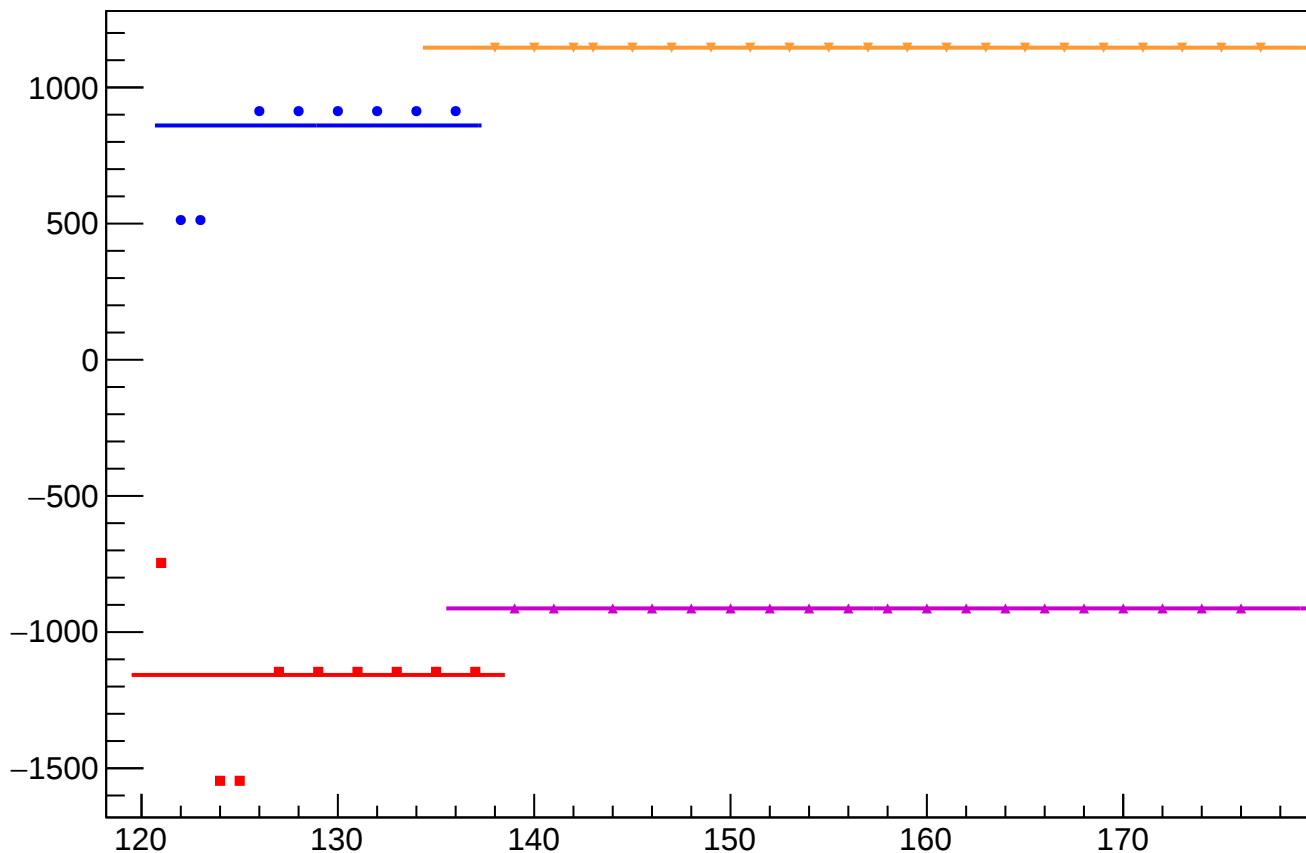
Right: 1.074+/-0.000 χ^2/NDF : 17994367493156690

In: -10.676+/-0.000 χ^2/NDF : 32210301675858649

Out: 10.723+/-0.000 χ^2/NDF : 27304025118811098

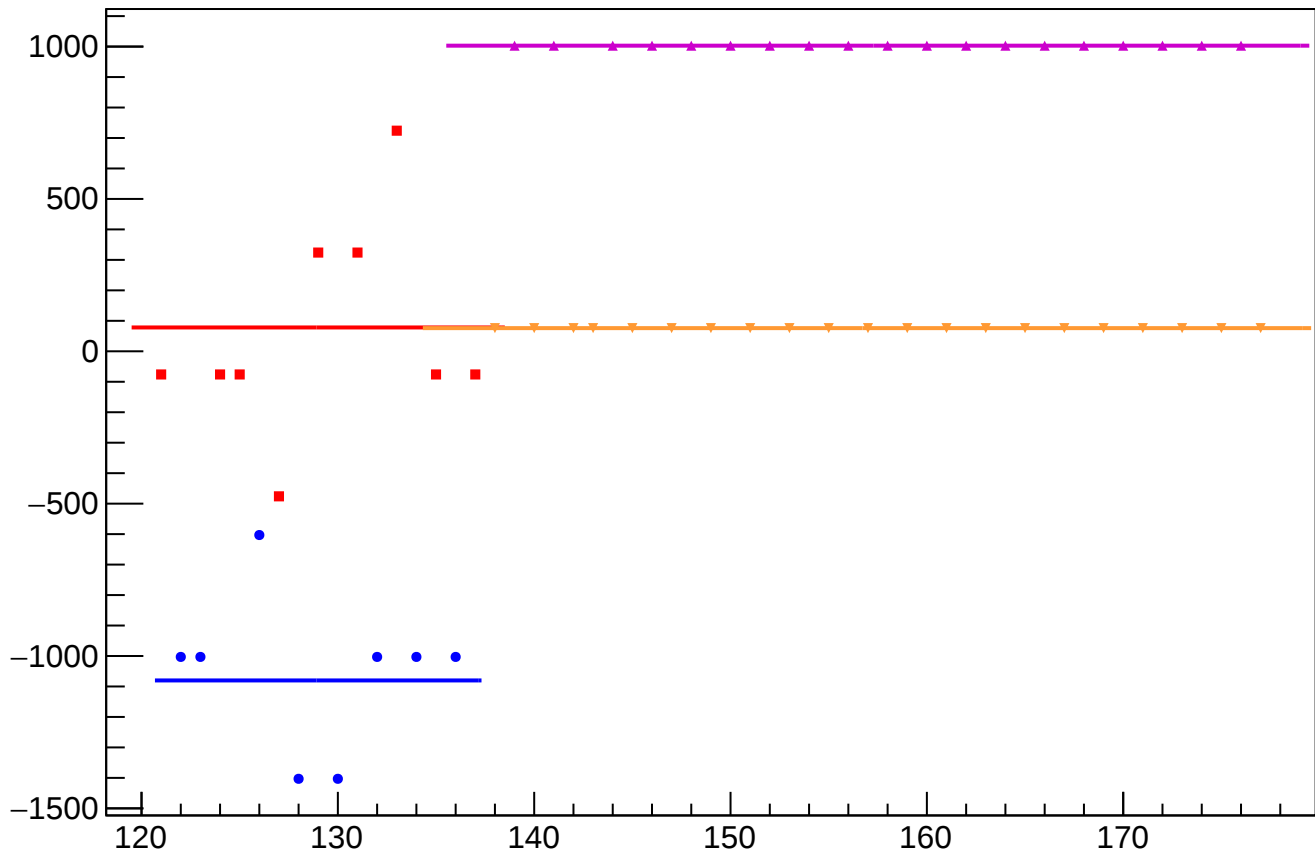
All: 0.293+/-0.000 χ^2/NDF : 10263267991322

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 : 5185569989122936655484813312.0/20
 Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8
 Left In: -912.995+/-0.000 χ^2/NDF : 23623560782816847649625341952.0/18
 All: 105.325+/-0.000 χ^2/NDF : 408417827547

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 : 10129774183441503624456306688.0/20

Right Out: 78.224+/-0.000

χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.990+/-0.000

χ^2/NDF : 2261962446389482979606921216.0/18

All: 343.572+/-0.000

χ^2/NDF : 155989147930