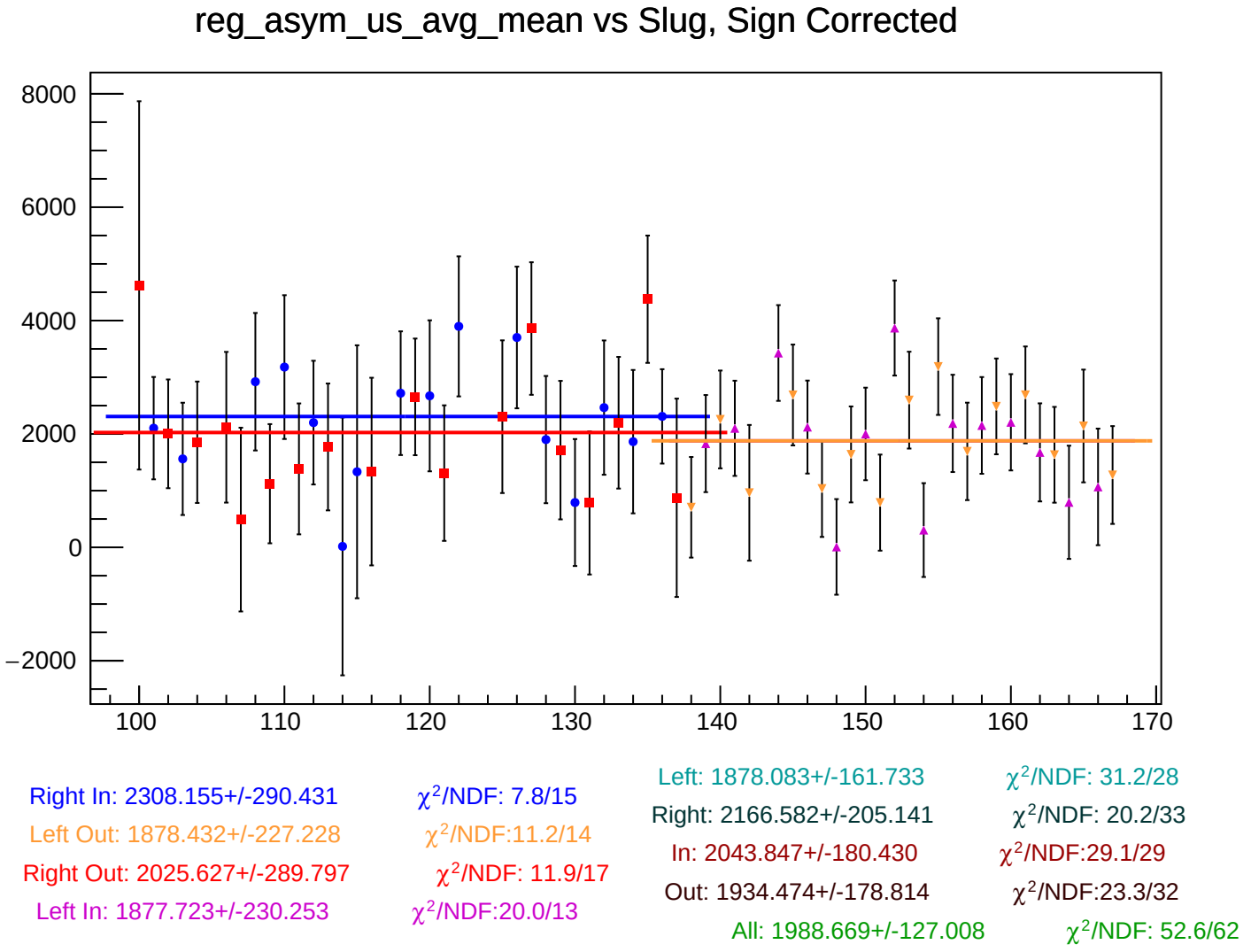
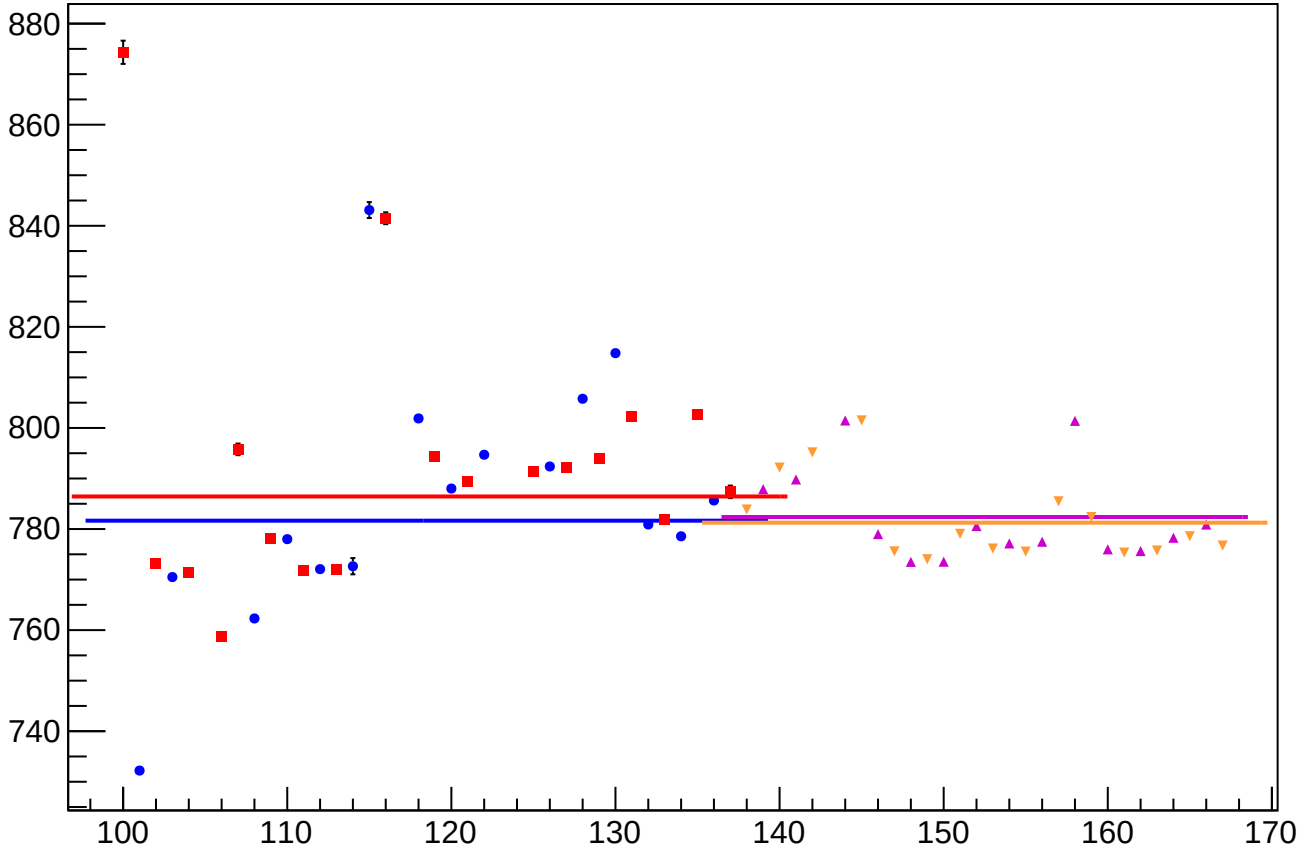

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1878.432+/-227.228
χ²/NDF:11.2/14
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 1877.723+/-230.253
χ²/NDF:20.0/13
Left: 1878.083+/-161.733
χ²/NDF: 31.2/28
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2043.847+/-180.430
χ²/NDF:29.1/29
Out: 1934.474+/-178.814
χ²/NDF:23.3/32
All: 1988.669+/-127.008
χ²/NDF: 52.6/62

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 781.260+/-0.161 χ^2/NDF:2354.2/14

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 782.380+/-0.163 χ^2/NDF:3172.8/13

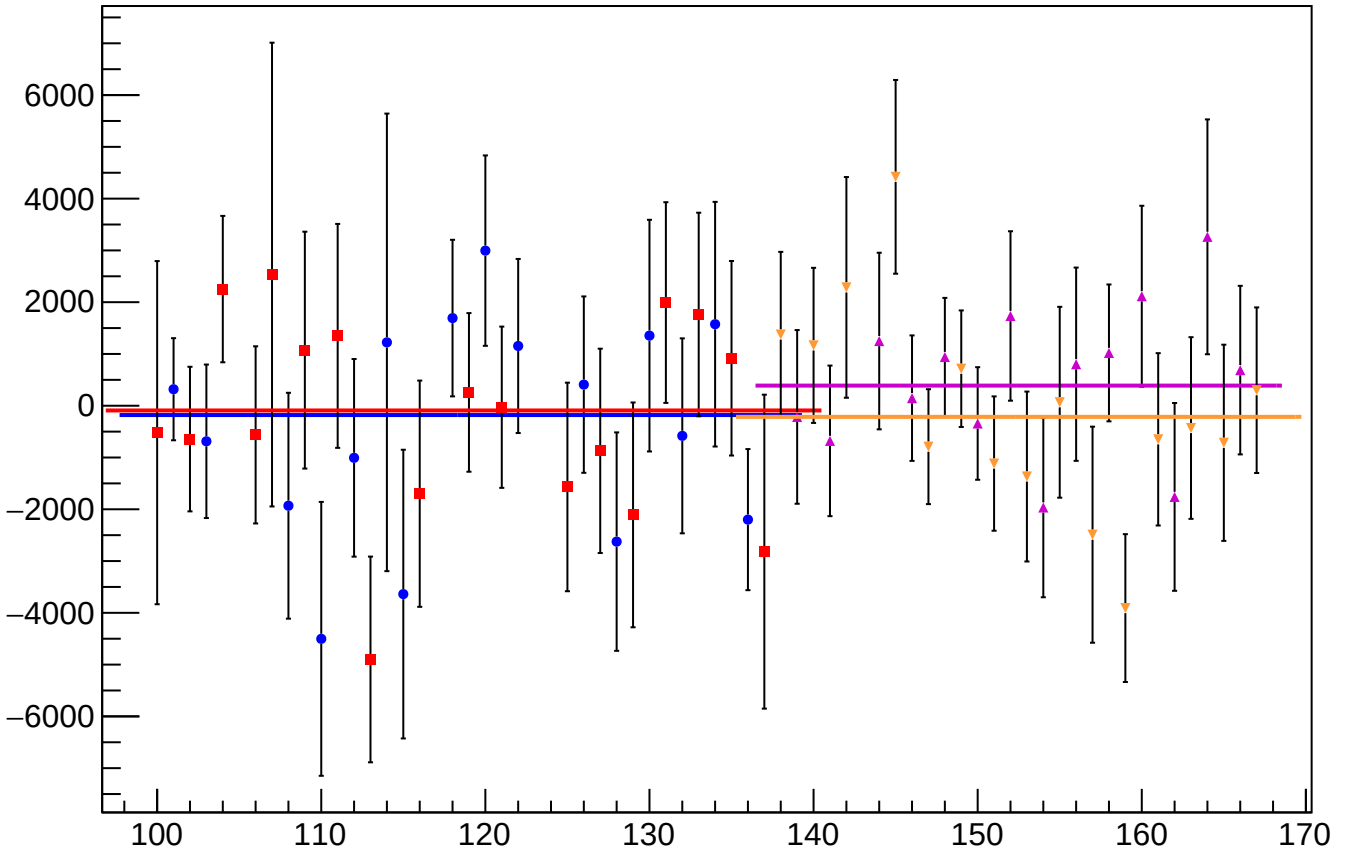
Left: 781.813+/-0.114 χ^2/NDF: 5551.0/28

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 782.100+/-0.128 χ^2/NDF:15499.5/29

Out: 783.233+/-0.126 χ^2/NDF:9952.1/32

All: 782.672+/-0.090 χ^2/NDF: 25491.4/62



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: -214.767+/-399.011 χ^2/NDF:19.4/14

Right Out: -91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: 388.762+/-400.458 χ^2/NDF:8.5/13

Left: 85.905+/-282.653 χ^2/NDF: 29.1/28

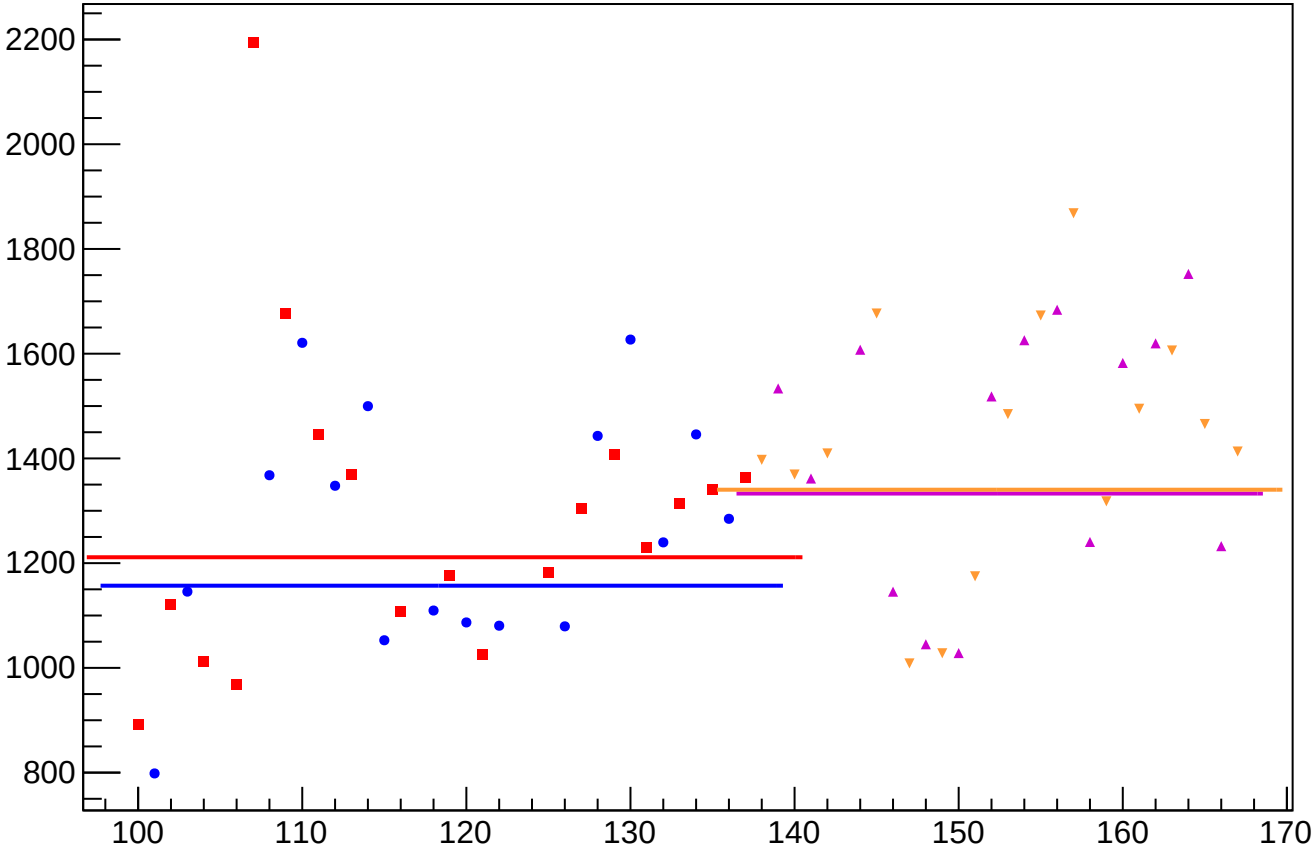
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 131.607+/-296.396 χ^2/NDF:24.8/29

Out: -161.063+/-299.942 χ^2/NDF:34.7/32

All: -12.988+/-210.826 χ^2/NDF: 59.9/62

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1340.249+/-0.282 χ^2/NDF:720598.0/14

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1332.919+/-0.283 χ^2/NDF:743302.6/13

Left: 1336.597+/-0.200 χ^2/NDF: 1464236.8/28

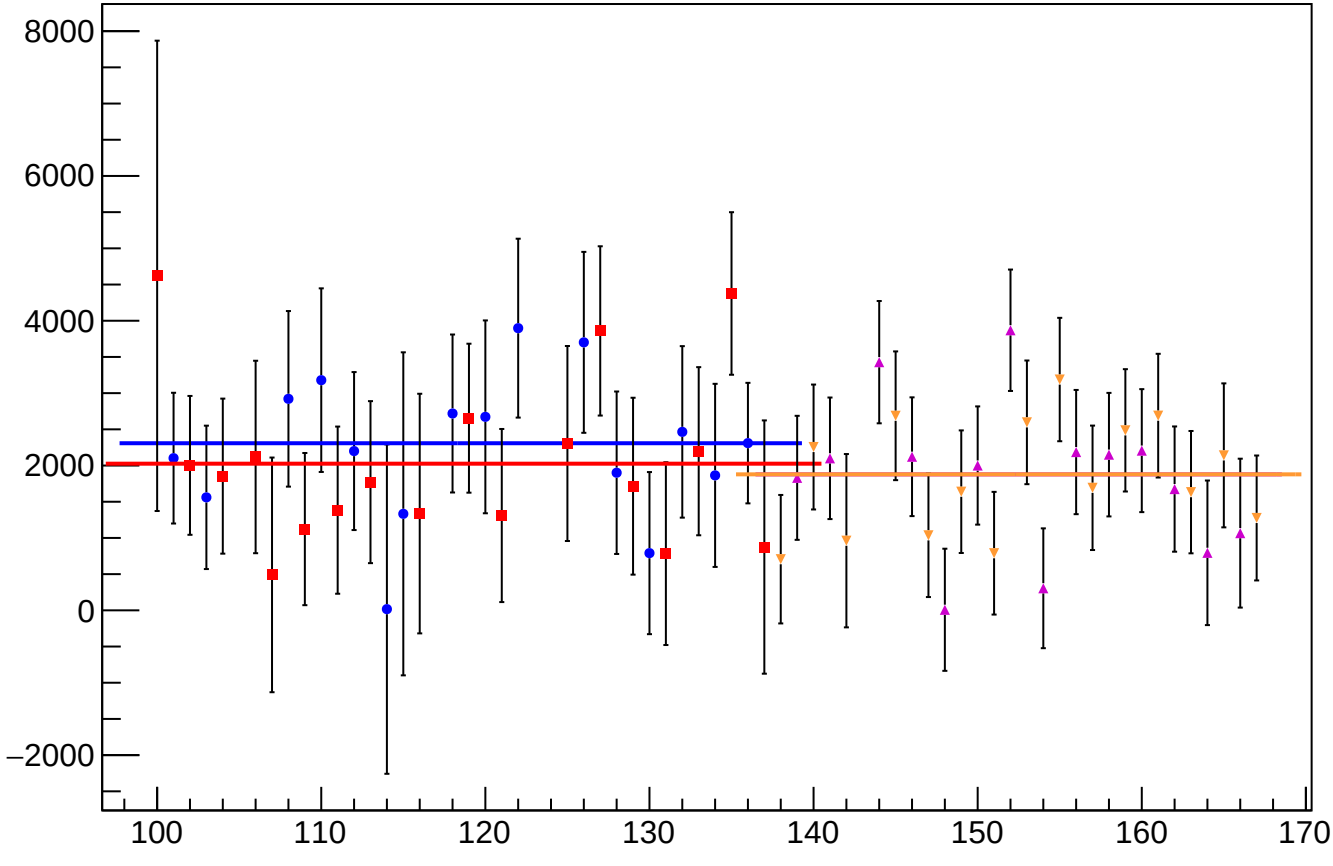
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1253.347+/-0.210 χ^2/NDF:1487050.7/29

Out: 1284.150+/-0.212 χ^2/NDF:1209209.9/32

All: 1268.565+/-0.149 χ^2/NDF: 2706932.6/62

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1878.432+/-227.228 χ^2/NDF:11.2/14

Right Out: 2025.627+/-289.797 χ^2/NDF: 11.9/17

Left In: 1877.723+/-230.253 χ^2/NDF:20.0/13

Left: 1878.083+/-161.733 χ^2/NDF: 31.2/28

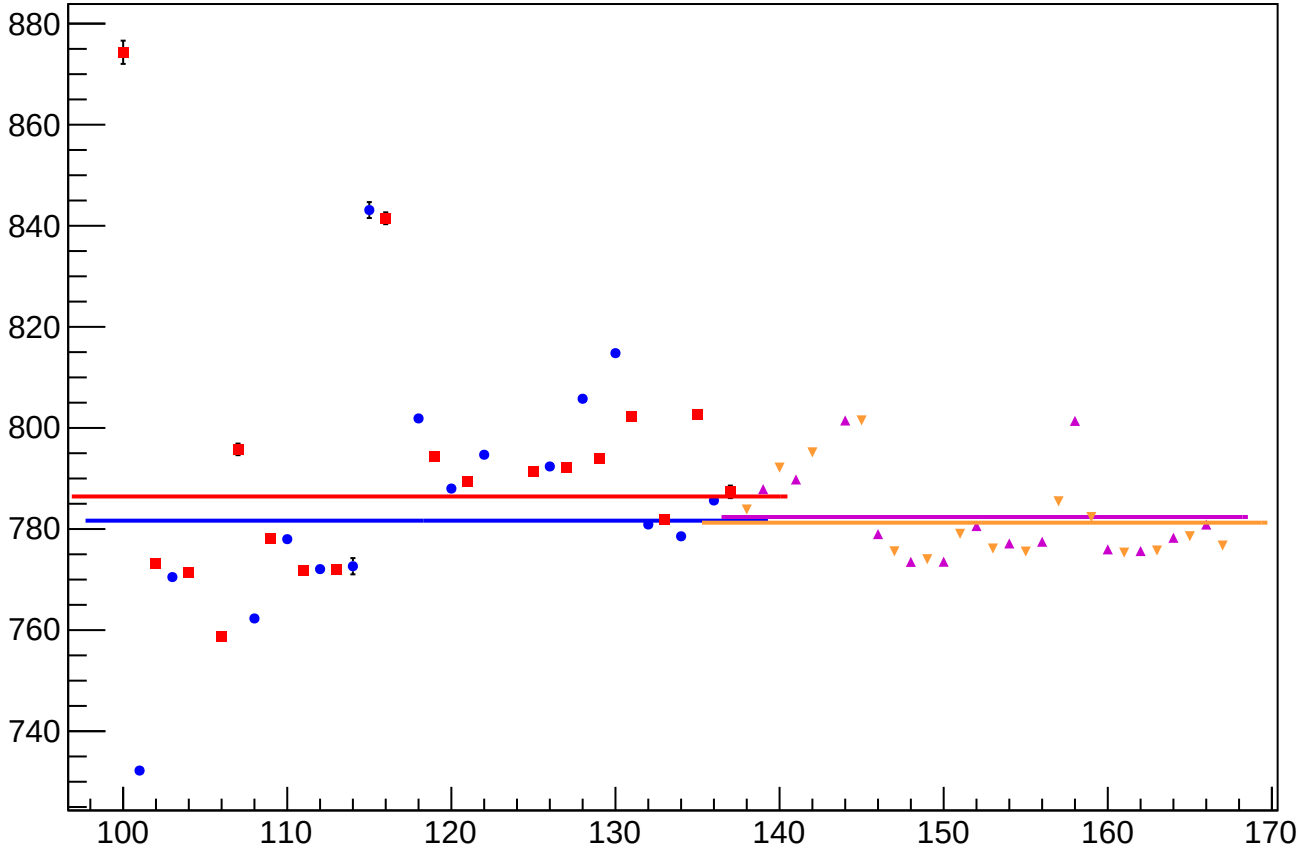
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2043.847+/-180.430 χ^2/NDF:29.1/29

Out: 1934.474+/-178.814 χ^2/NDF:23.3/32

All: 1988.669+/-127.008 χ^2/NDF: 52.6/62

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 781.260+/-0.161 χ^2/NDF:2354.2/14

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 782.380+/-0.163 χ^2/NDF:3172.8/13

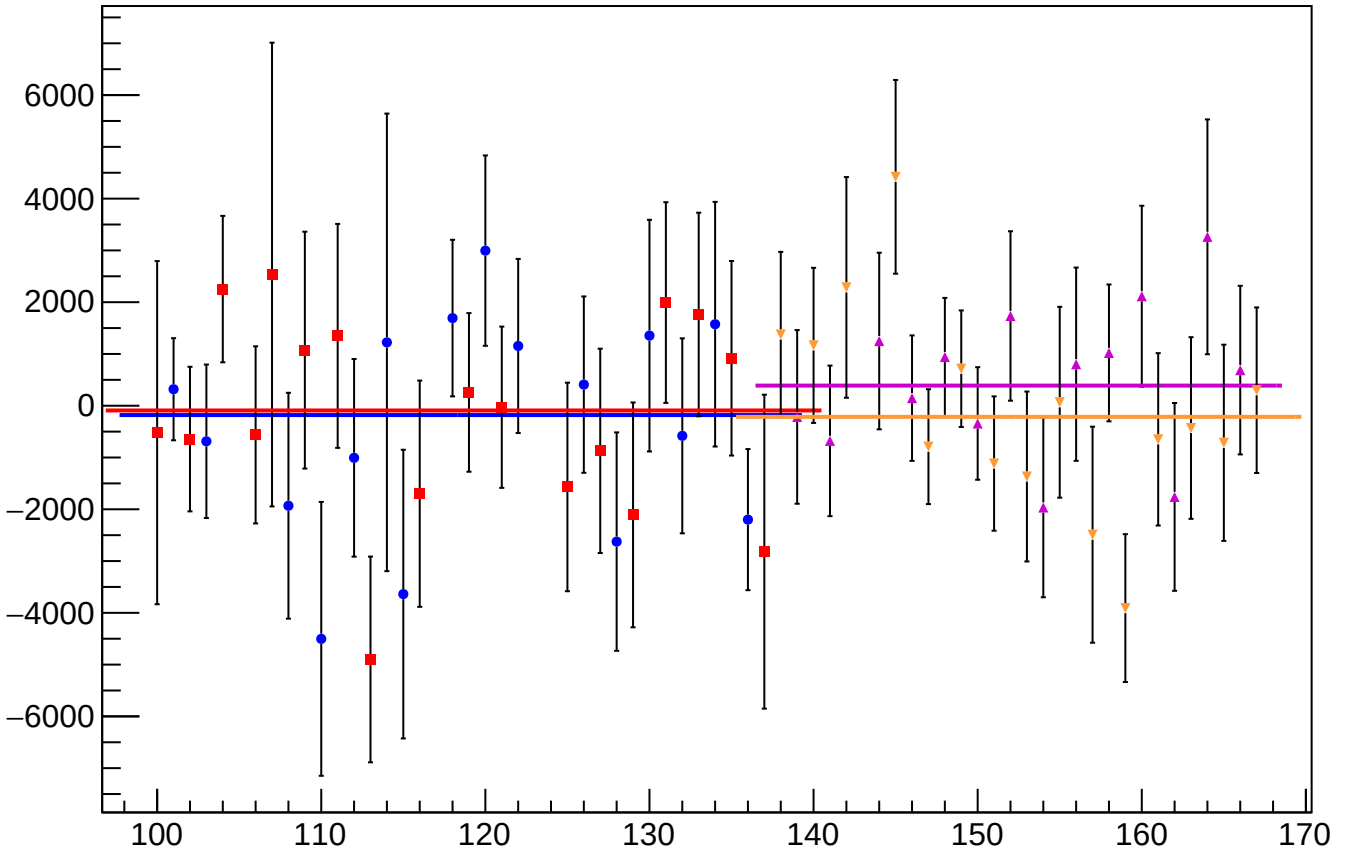
Left: 781.813+/-0.114 χ^2/NDF: 5551.0/28

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 782.100+/-0.128 χ^2/NDF:15499.5/29

Out: 783.233+/-0.126 χ^2/NDF:9952.1/32

All: 782.672+/-0.090 χ^2/NDF: 25491.4/62



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: -214.767+/-399.011 χ^2/NDF:19.4/14

Right Out: -91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: 388.762+/-400.458 χ^2/NDF:8.5/13

Left: 85.905+/-282.653 χ^2/NDF: 29.1/28

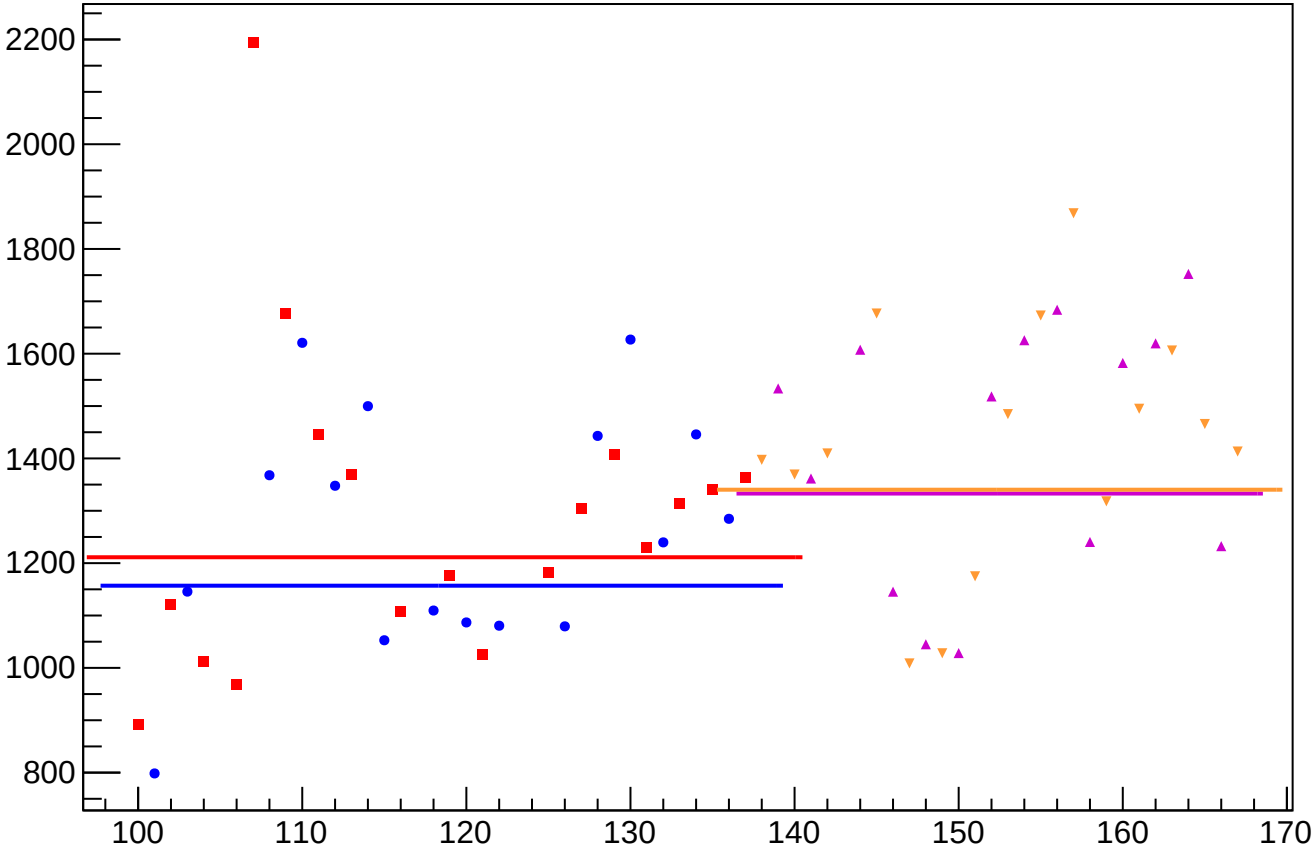
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 131.607+/-296.396 χ^2/NDF:24.8/29

Out: -161.063+/-299.942 χ^2/NDF:34.7/32

All: -12.988+/-210.826 χ^2/NDF: 59.9/62

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1340.249+/-0.282 χ^2/NDF:720598.0/14

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1332.919+/-0.283 χ^2/NDF:743302.6/13

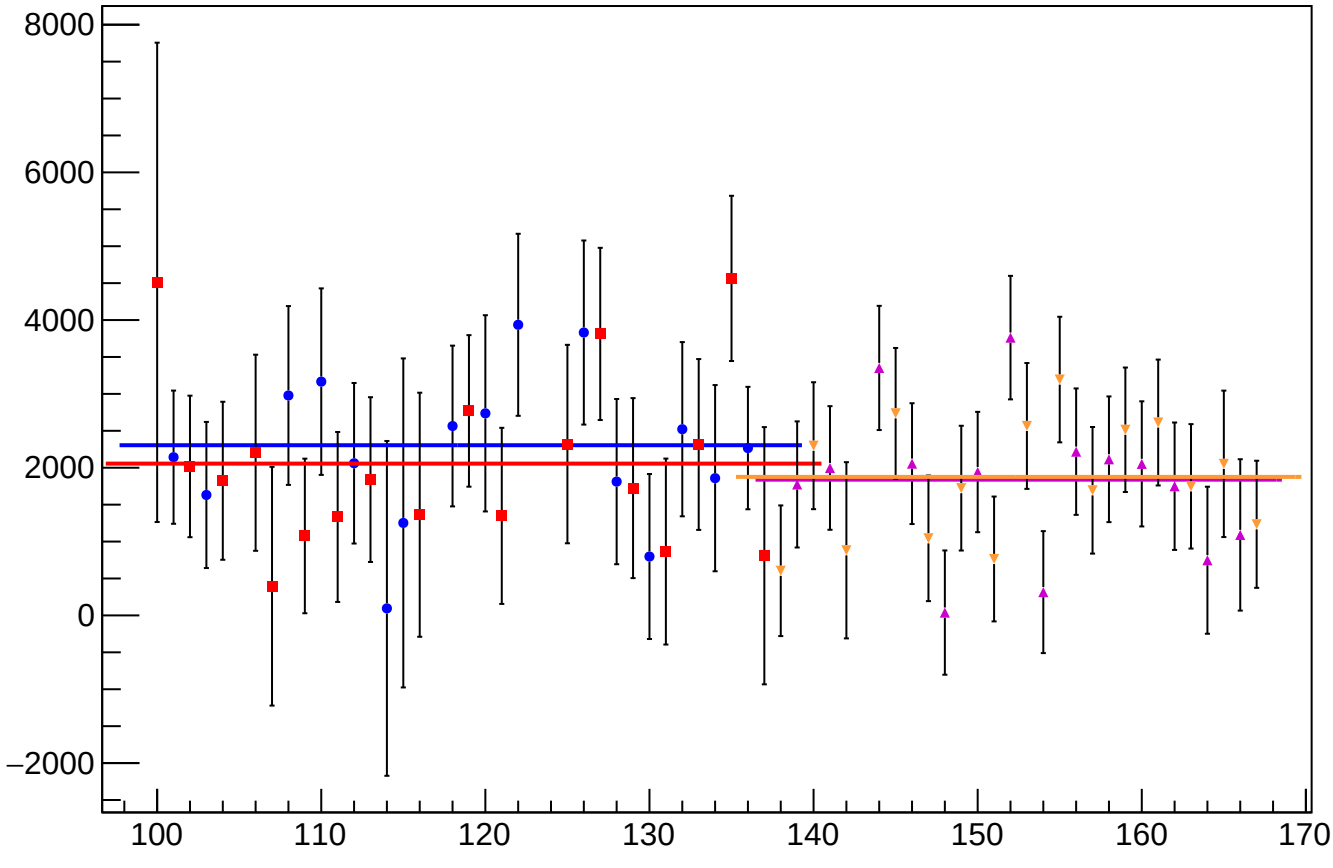
Left: 1336.597+/-0.200 χ^2/NDF: 1464236.8/28

Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1253.347+/-0.210 χ^2/NDF:1487050.7/29

Out: 1284.150+/-0.212 χ^2/NDF:1209209.9/32

All: 1268.565+/-0.149 χ^2/NDF: 2706932.6/62



Right In: 2304.852+/-289.704 χ^2/NDF: 8.1/15

Left Out: 1875.988+/-226.618 χ^2/NDF:11.7/14

Right Out: 2055.666+/-289.090 χ^2/NDF: 12.9/17

Left In: 1838.200+/-229.643 χ^2/NDF:18.7/13

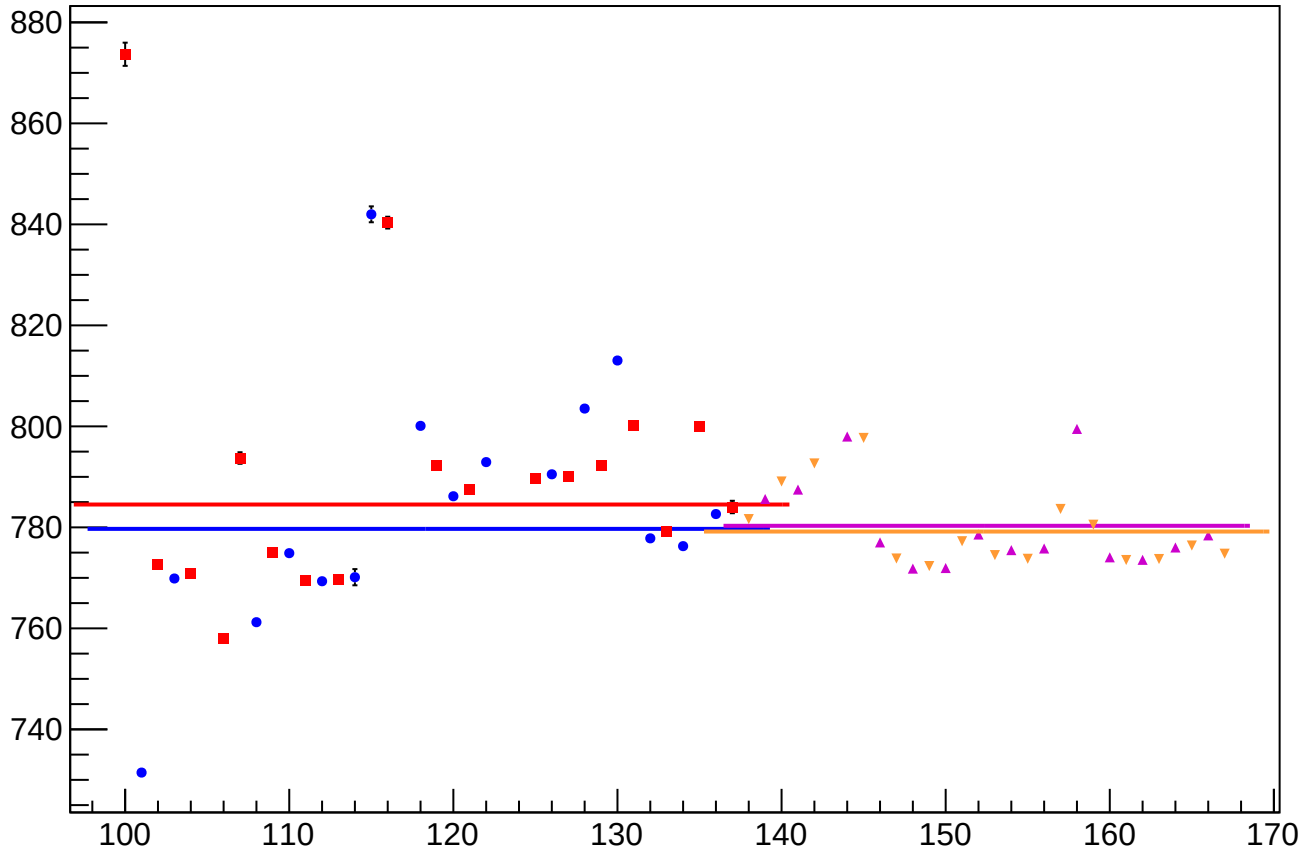
Left: 1857.344+/-161.302 χ^2/NDF: 30.5/28

Right: 2179.995+/-204.634 χ^2/NDF: 21.3/33

In: 2018.271+/-179.961 χ^2/NDF:28.4/29

Out: 1944.376+/-178.351 χ^2/NDF:24.8/32

All: 1980.991+/-126.679 χ^2/NDF: 53.3/62



Right In: 779.702+/-0.205 χ^2/NDF: 12060.2/15

Left Out: 779.173+/-0.160 χ^2/NDF:2073.4/14

Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 780.311+/-0.162 χ^2/NDF:2975.8/13

Left: 779.734+/-0.114 χ^2/NDF: 5074.1/28

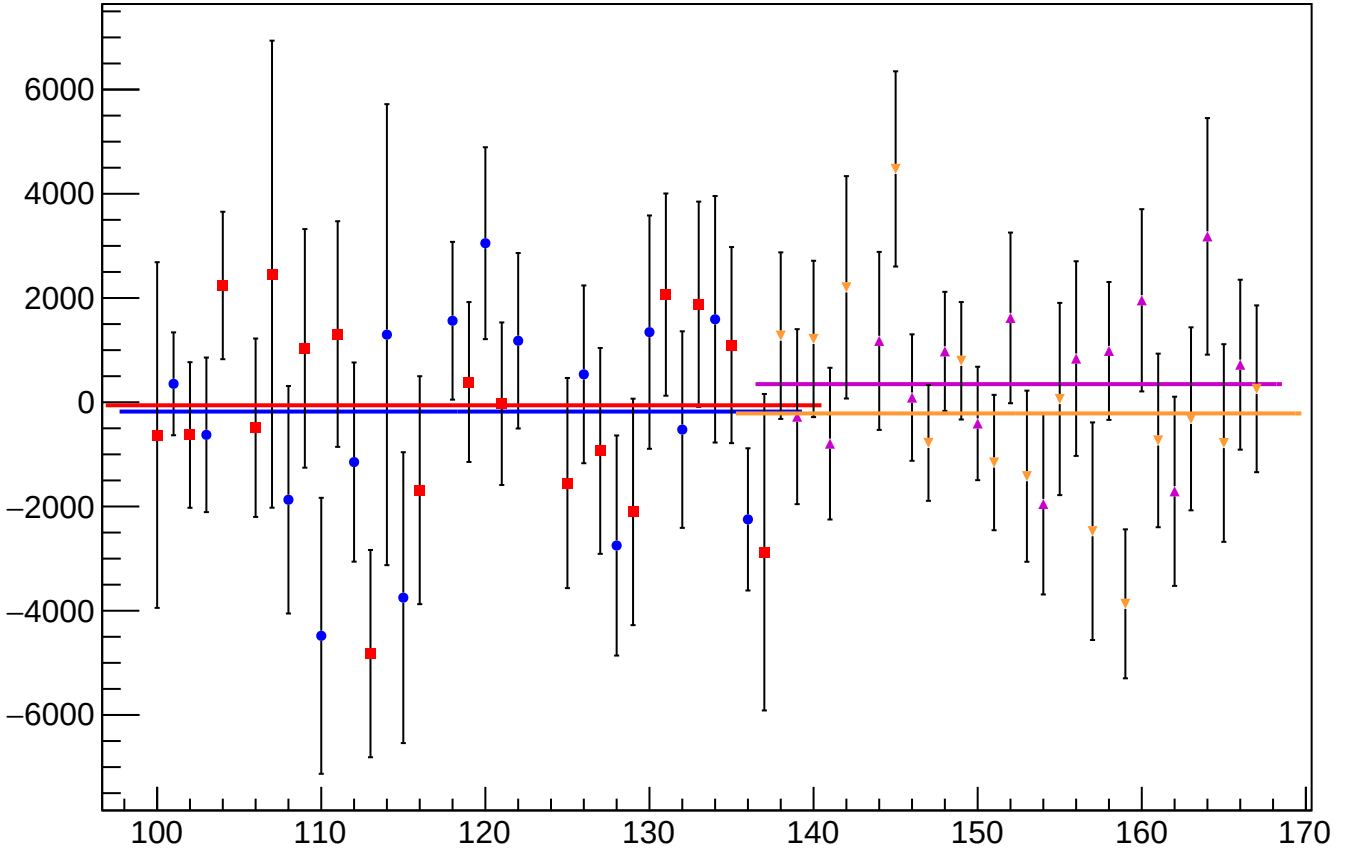
Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

In: 780.076+/-0.127 χ^2/NDF:15041.5/29

Out: 781.210+/-0.126 χ^2/NDF:9657.9/32

All: 780.648+/-0.090 χ^2/NDF: 24739.5/62

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -178.457+/-441.218 χ^2/NDF: 15.7/15

Left Out: -214.213+/-399.393 χ^2/NDF:19.5/14

Right Out: -58.040+/-455.216 χ^2/NDF: 15.3/17

Left In: 347.946+/-400.836 χ^2/NDF:8.2/13

Left: 65.853+/-282.922 χ^2/NDF: 28.7/28

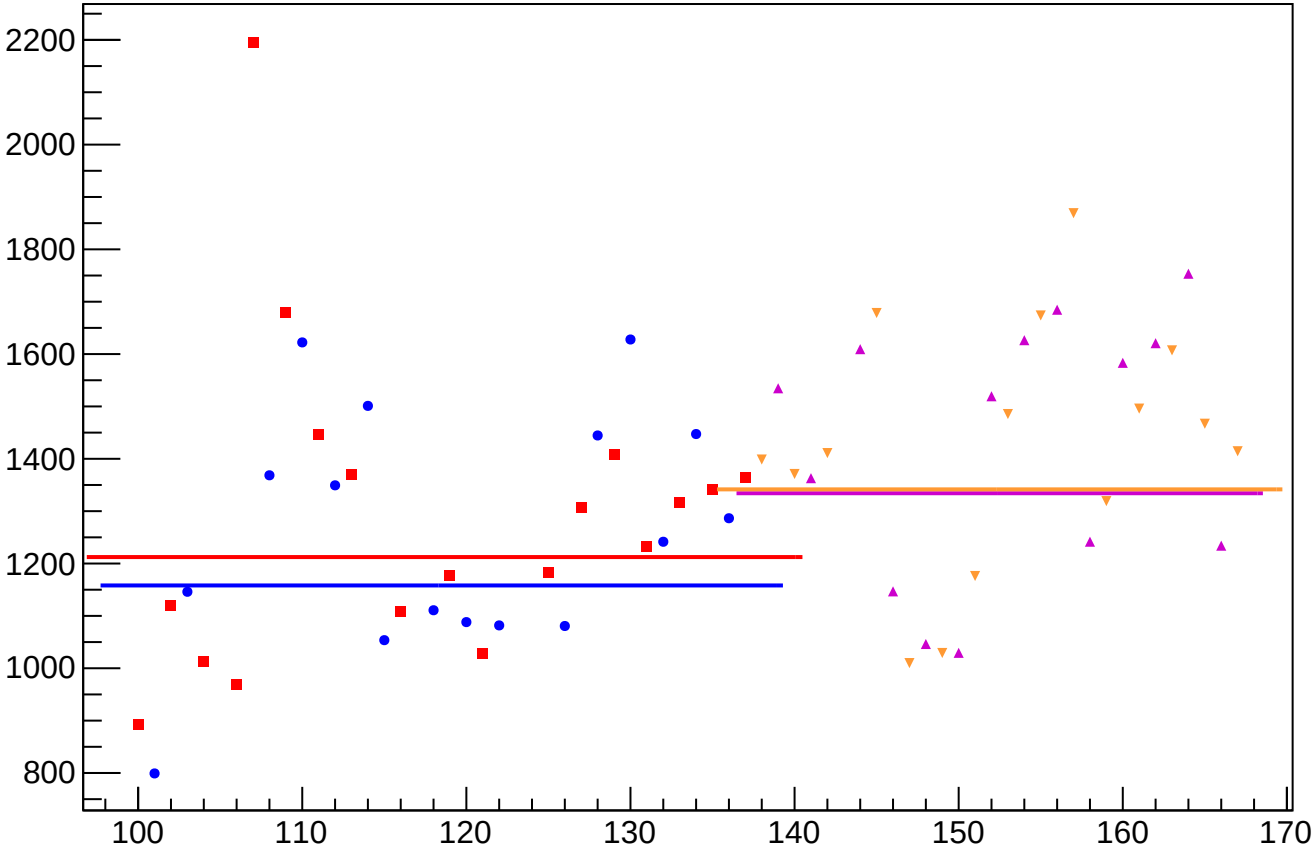
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: 109.931+/-296.685 χ^2/NDF:24.7/29

Out: -146.284+/-300.221 χ^2/NDF:34.8/32

All: -16.659+/-211.027 χ^2/NDF: 59.9/62

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1158.134+/-0.312 χ^2/NDF: 569144.8/15

Left Out: 1341.614+/-0.282 χ^2/NDF:718699.8/14

Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

Left In: 1334.243+/-0.283 χ^2/NDF:741509.5/13

Left: 1337.942+/-0.200 χ^2/NDF: 1460548.7/28

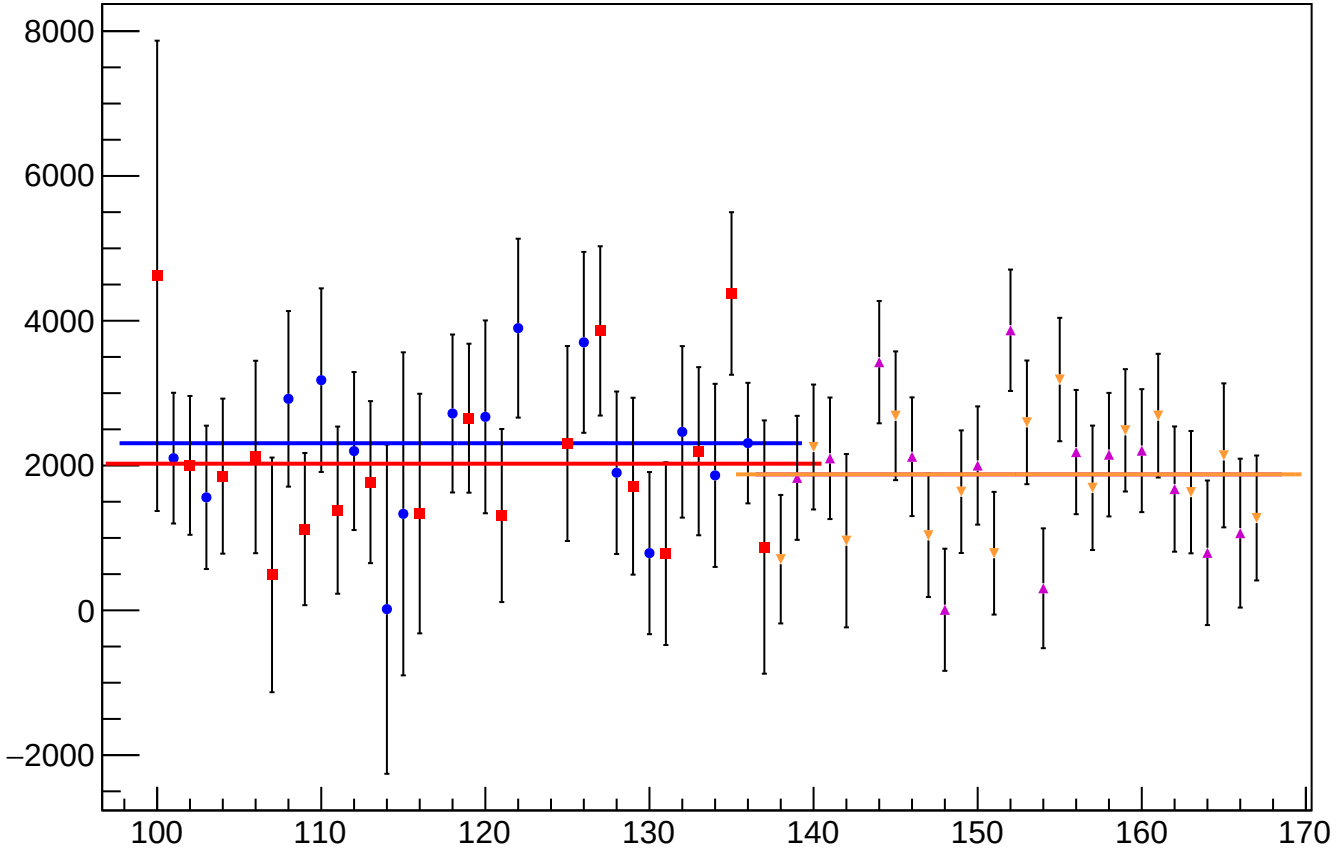
Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

In: 1254.614+/-0.210 χ^2/NDF:1485215.4/29

Out: 1285.388+/-0.212 χ^2/NDF:1207765.8/32

All: 1269.819+/-0.149 χ^2/NDF: 2703612.5/62

eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1878.432+/-227.228 χ^2/NDF:11.2/14

Right Out: 2025.627+/-289.797 χ^2/NDF: 11.9/17

Left In: 1877.723+/-230.253 χ^2/NDF:20.0/13

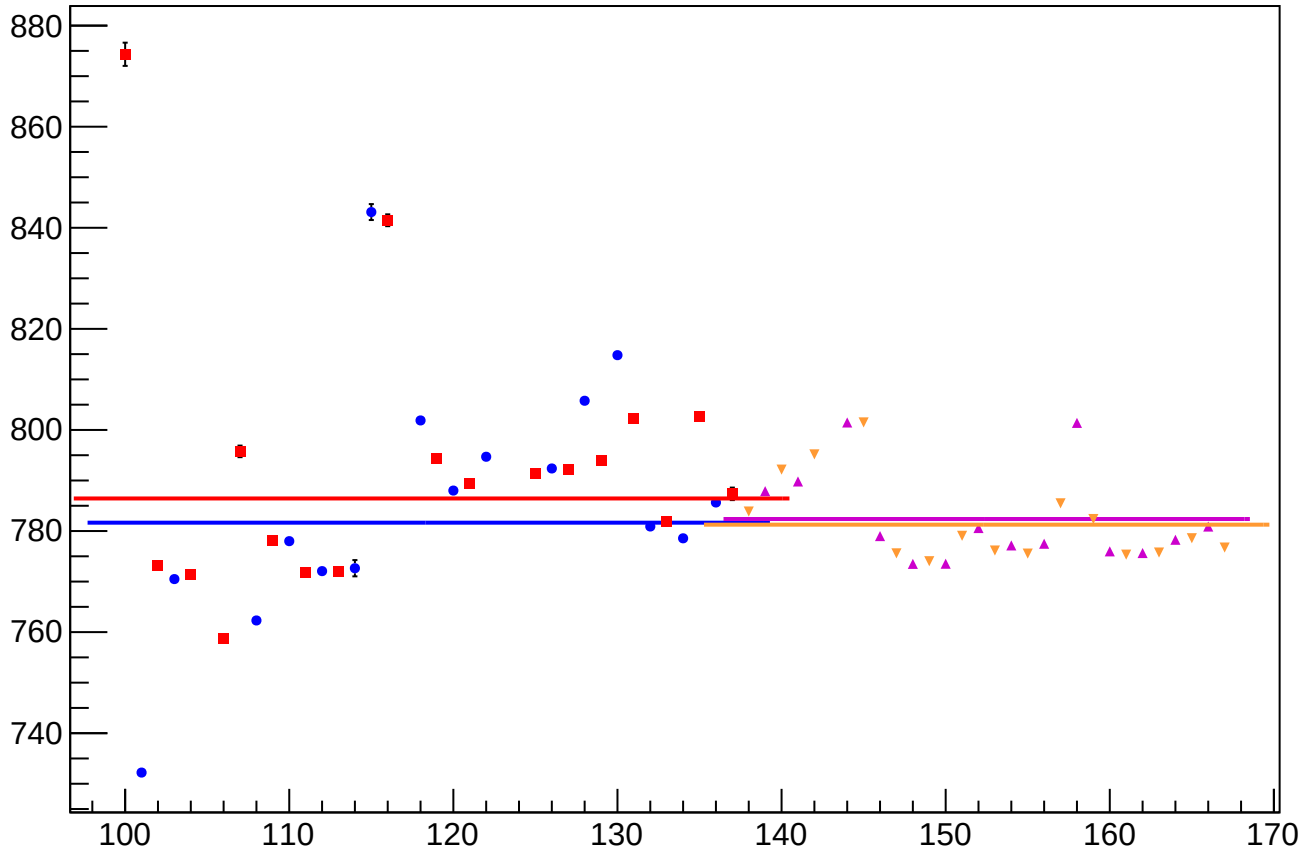
Left: 1878.083+/-161.733 χ^2/NDF: 31.2/28

Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2043.847+/-180.430 χ^2/NDF:29.1/29

Out: 1934.474+/-178.814 χ^2/NDF:23.3/32

All: 1988.669+/-127.008 χ^2/NDF: 52.6/62



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 781.260+/-0.161 χ^2/NDF:2354.2/14

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 782.380+/-0.163 χ^2/NDF:3172.8/13

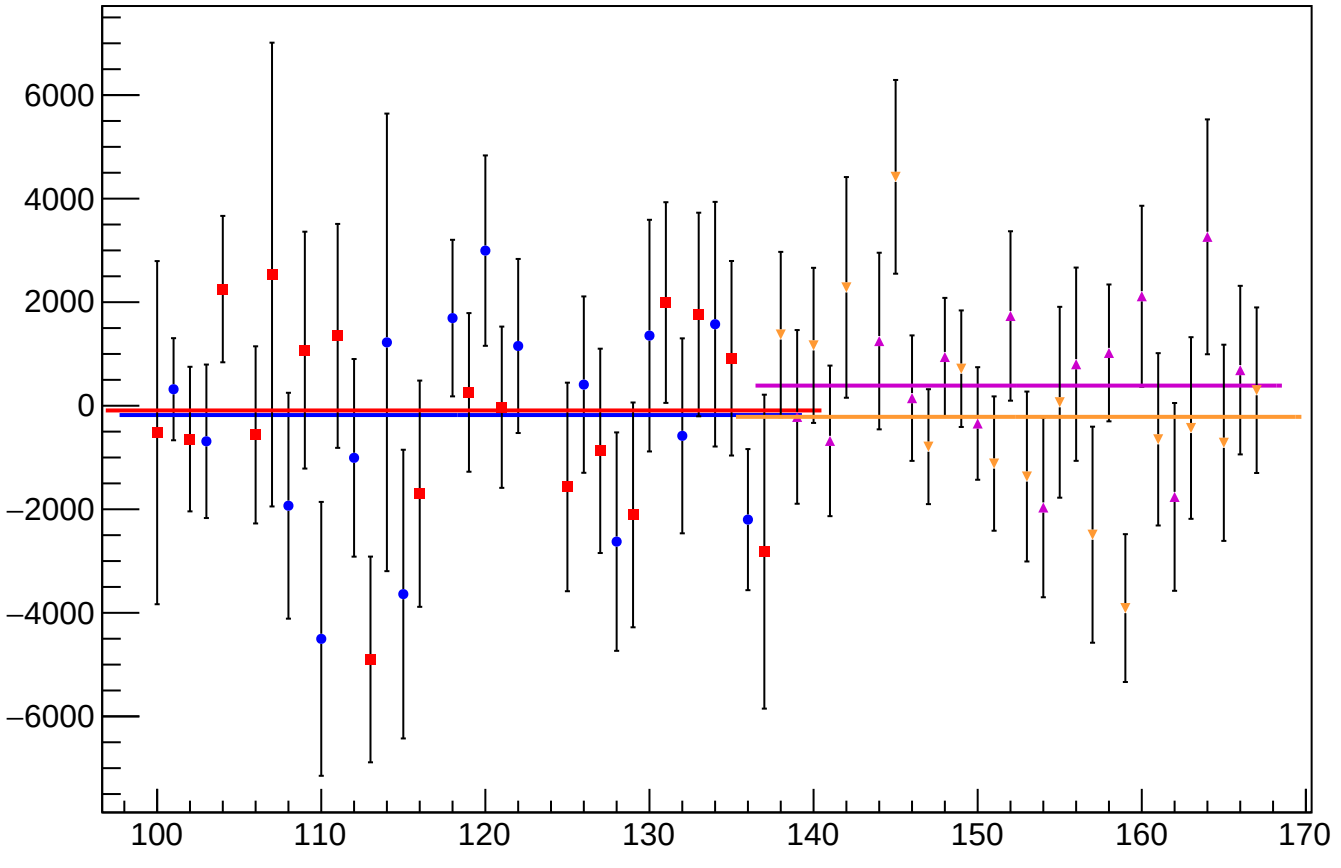
Left: 781.813+/-0.114 χ^2/NDF: 5551.0/28

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 782.100+/-0.128 χ^2/NDF:15499.5/29

Out: 783.233+/-0.126 χ^2/NDF:9952.1/32

All: 782.672+/-0.090 χ^2/NDF: 25491.4/62



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: -214.767+/-399.011 χ^2/NDF:19.4/14

Right Out: -91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: 388.762+/-400.458 χ^2/NDF:8.5/13

Left: 85.905+/-282.653 χ^2/NDF: 29.1/28

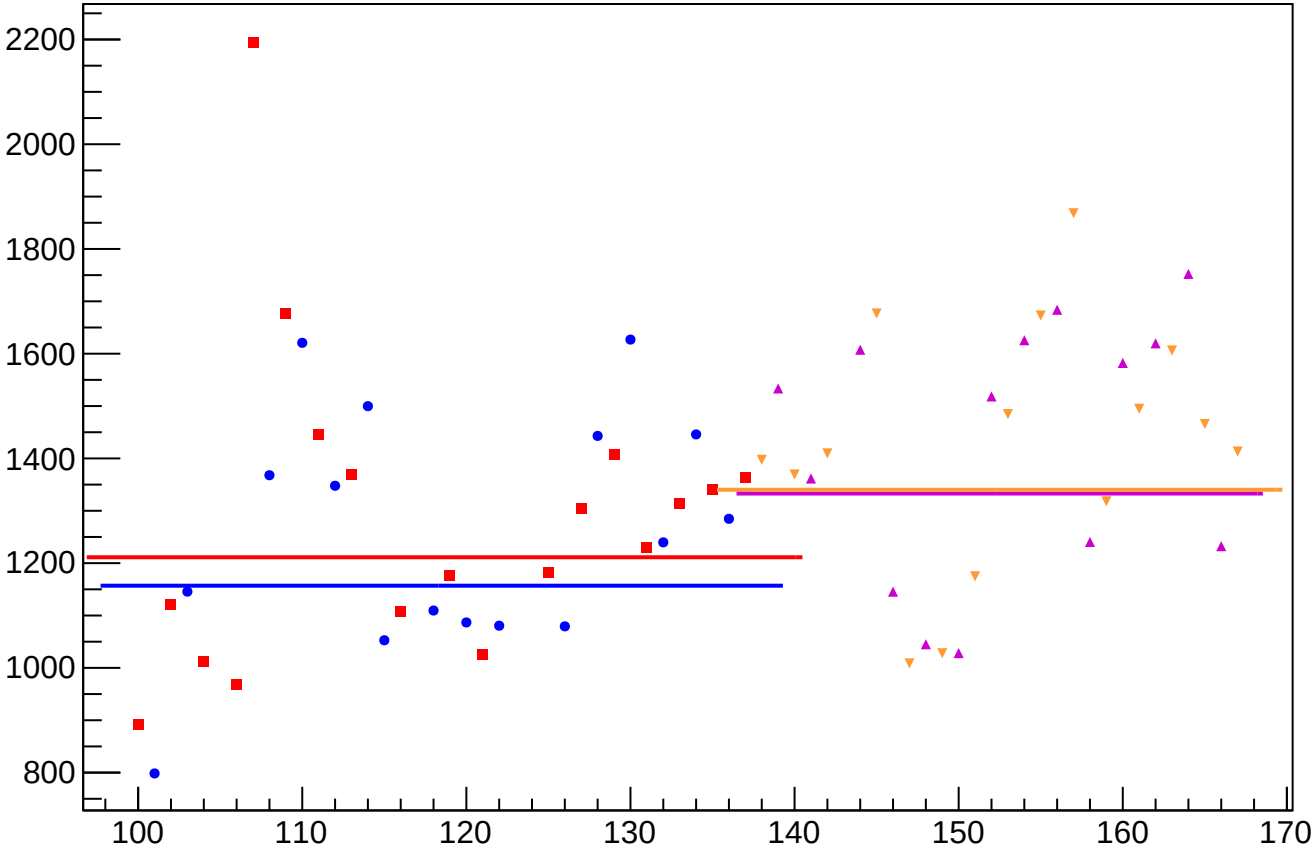
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 131.607+/-296.396 χ^2/NDF:24.8/29

Out: -161.063+/-299.942 χ^2/NDF:34.7/32

All: -12.988+/-210.826 χ^2/NDF: 59.9/62

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1340.249+/-0.282 χ^2/NDF:720598.0/14

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1332.919+/-0.283 χ^2/NDF:743302.6/13

Left: 1336.597+/-0.200 χ^2/NDF: 1464236.8/28

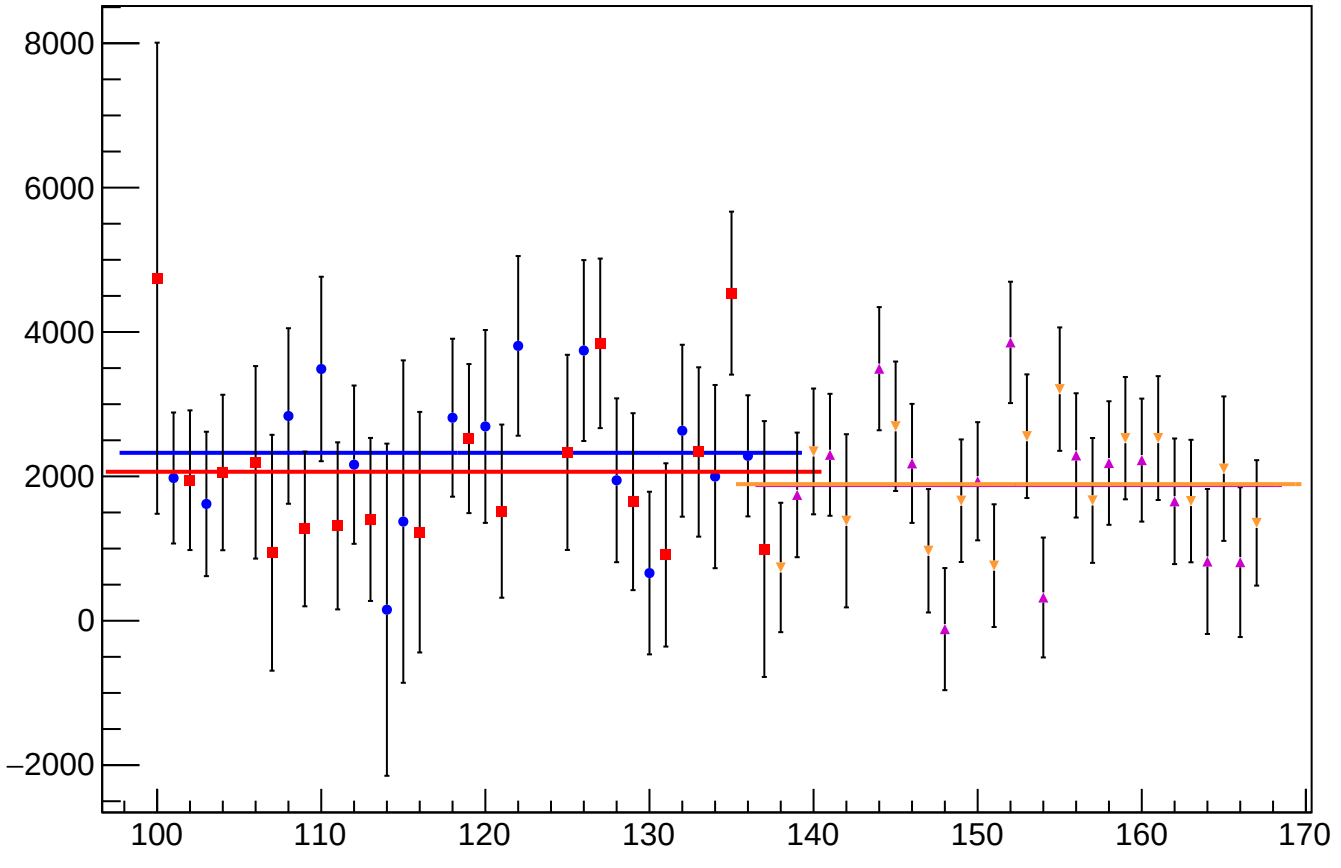
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1253.347+/-0.210 χ^2/NDF:1487050.7/29

Out: 1284.150+/-0.212 χ^2/NDF:1209209.9/32

All: 1268.565+/-0.149 χ^2/NDF: 2706932.6/62

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2326.430+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1892.302+/-228.376 χ^2/NDF:10.6/14

Right Out: 2063.976+/-291.790 χ^2/NDF: 11.6/17

Left In: 1879.521+/-231.377 χ^2/NDF:21.3/13

Left: 1885.995+/-162.537 χ^2/NDF: 31.9/28

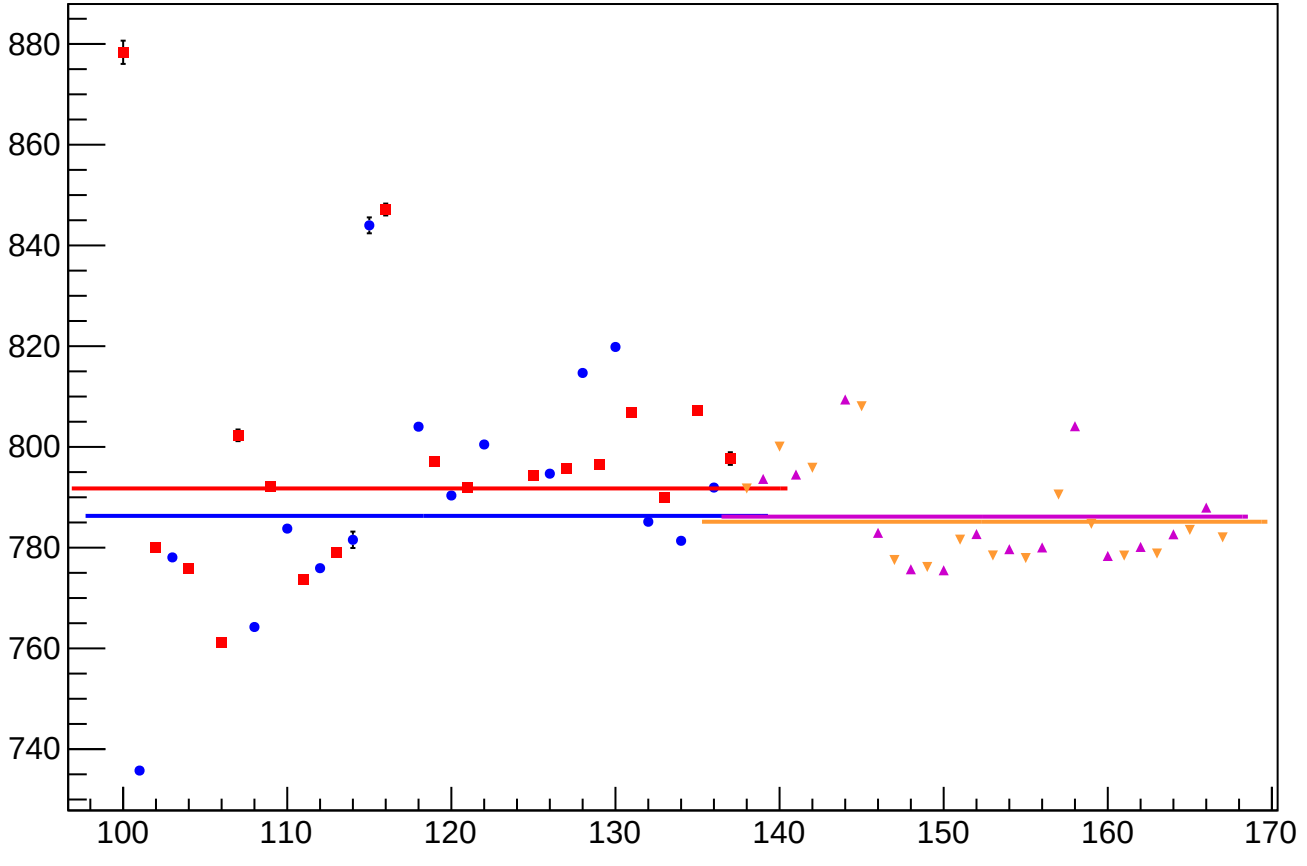
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2051.768+/-181.389 χ^2/NDF:30.9/29

Out: 1957.517+/-179.842 χ^2/NDF:22.4/32

All: 2004.239+/-127.711 χ^2/NDF: 53.5/62

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 786.309+/-0.207 χ^2/NDF: 12571.1/15

Left Out: 785.146+/-0.161 χ^2/NDF:3185.1/14

Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 786.160+/-0.164 χ^2/NDF:3935.9/13

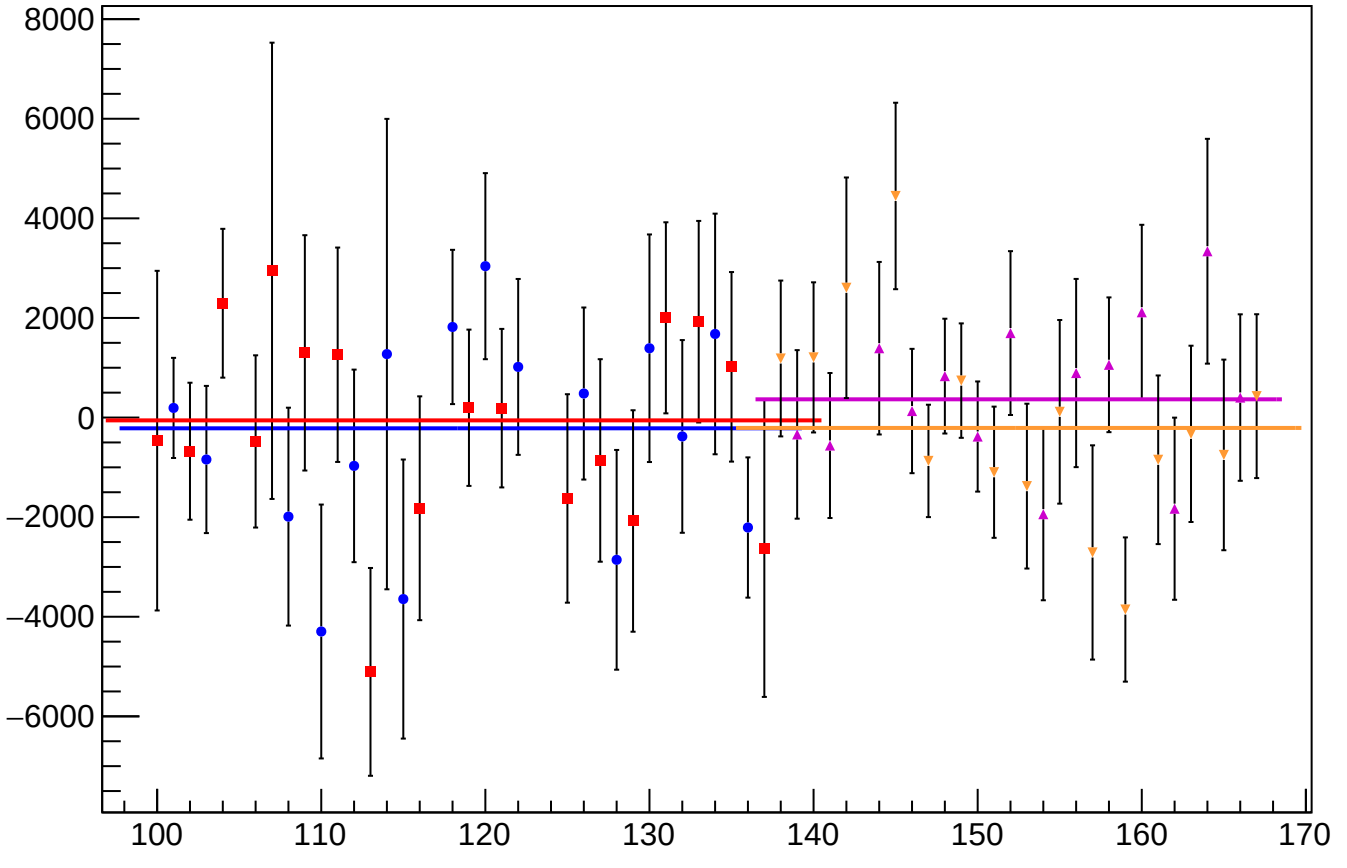
Left: 785.646+/-0.115 χ^2/NDF: 7140.5/28

Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

In: 786.218+/-0.128 χ^2/NDF:16507.3/29

Out: 787.657+/-0.127 χ^2/NDF:10836.7/32

All: 786.944+/-0.090 χ^2/NDF: 27407.5/62



Right In: -216.184+/-449.537 χ^2/NDF: 15.3/15

Left Out: -208.742+/-404.238 χ^2/NDF:19.6/14

Right Out: -56.784+/-463.978 χ^2/NDF: 15.1/17

Left In: 365.973+/-405.748 χ^2/NDF:8.5/13

Left: 77.544+/-286.372 χ^2/NDF: 29.1/28

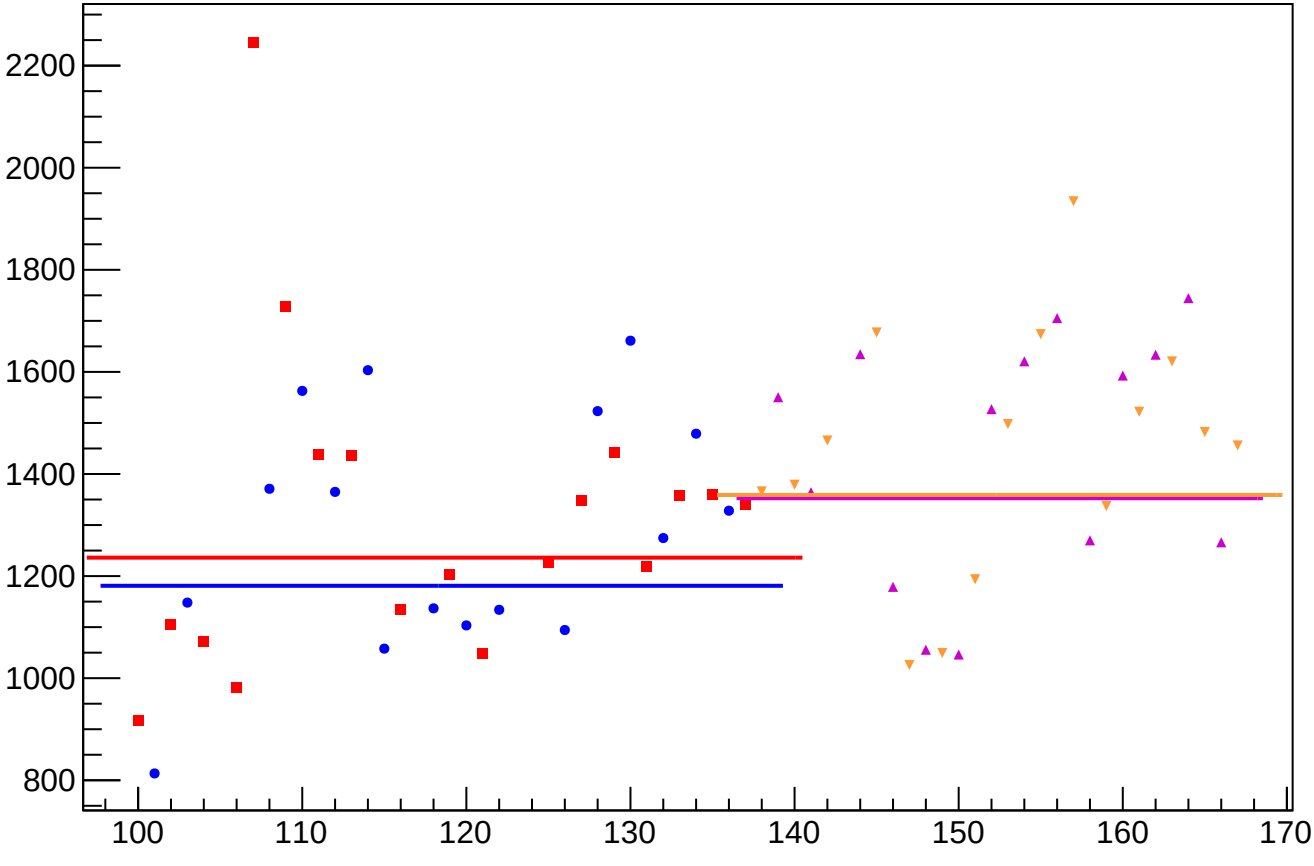
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 104.622+/-301.202 χ^2/NDF:24.7/29

Out: -143.170+/-304.787 χ^2/NDF:34.8/32

All: -17.808+/-214.238 χ^2/NDF: 59.8/62

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1180.998+/-0.318 χ^2/NDF: 571107.8/15

Left Out: 1358.938+/-0.286 χ^2/NDF:707511.5/14

Right Out: 1236.134+/-0.328 χ^2/NDF: 397242.2/17

Left In: 1352.501+/-0.287 χ^2/NDF:703398.1/13

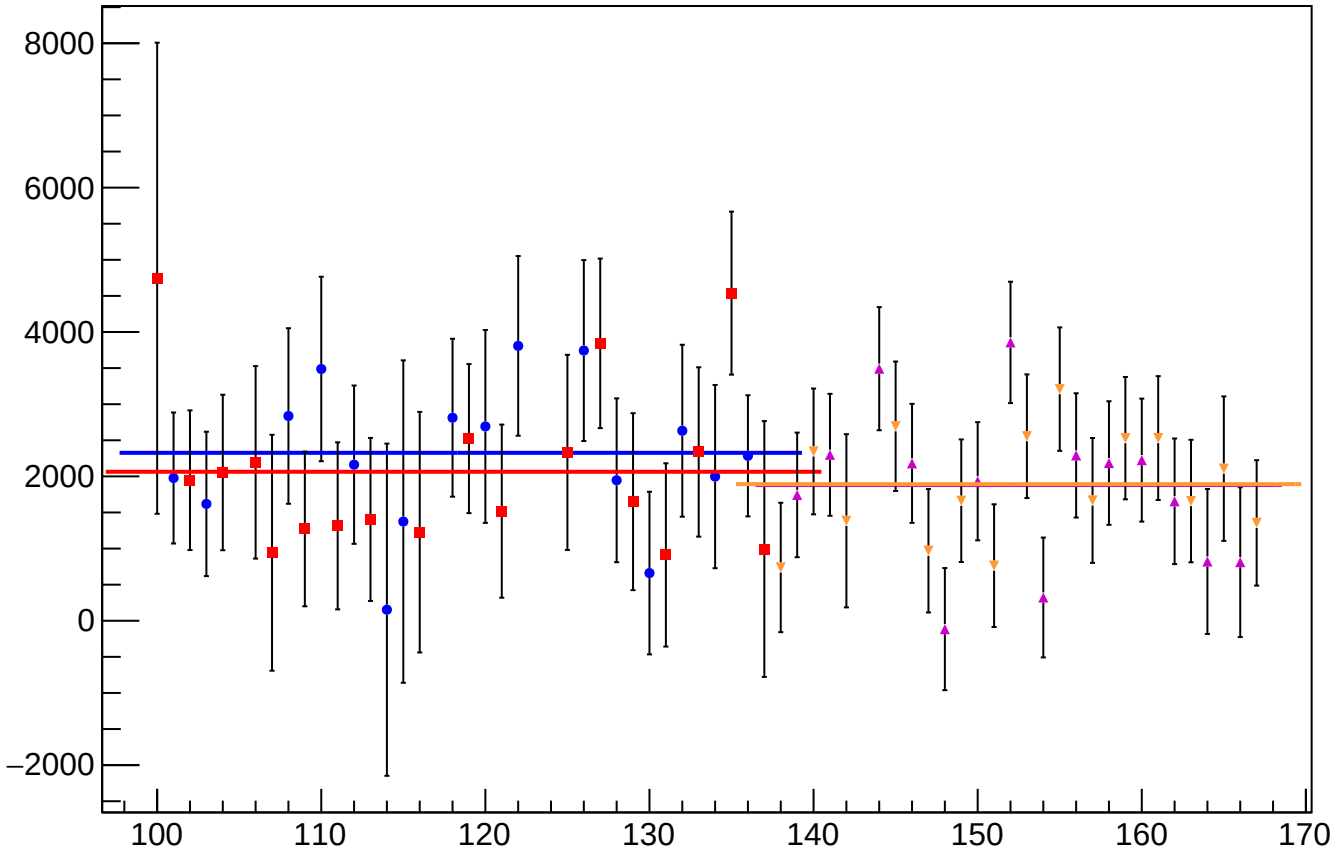
Left: 1355.731+/-0.202 χ^2/NDF: 1411162.3/28

Right: 1207.695+/-0.228 χ^2/NDF: 982917.9/33

In: 1275.507+/-0.213 χ^2/NDF:1434920.6/29

Out: 1305.946+/-0.216 χ^2/NDF:1184402.1/32

All: 1290.546+/-0.151 χ^2/NDF: 2629414.9/62



Right In: 2326.429+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1892.298+/-228.376 χ^2/NDF:10.6/14

Right Out: 2063.975+/-291.790 χ^2/NDF: 11.6/17

Left In: 1879.522+/-231.377 χ^2/NDF:21.3/13

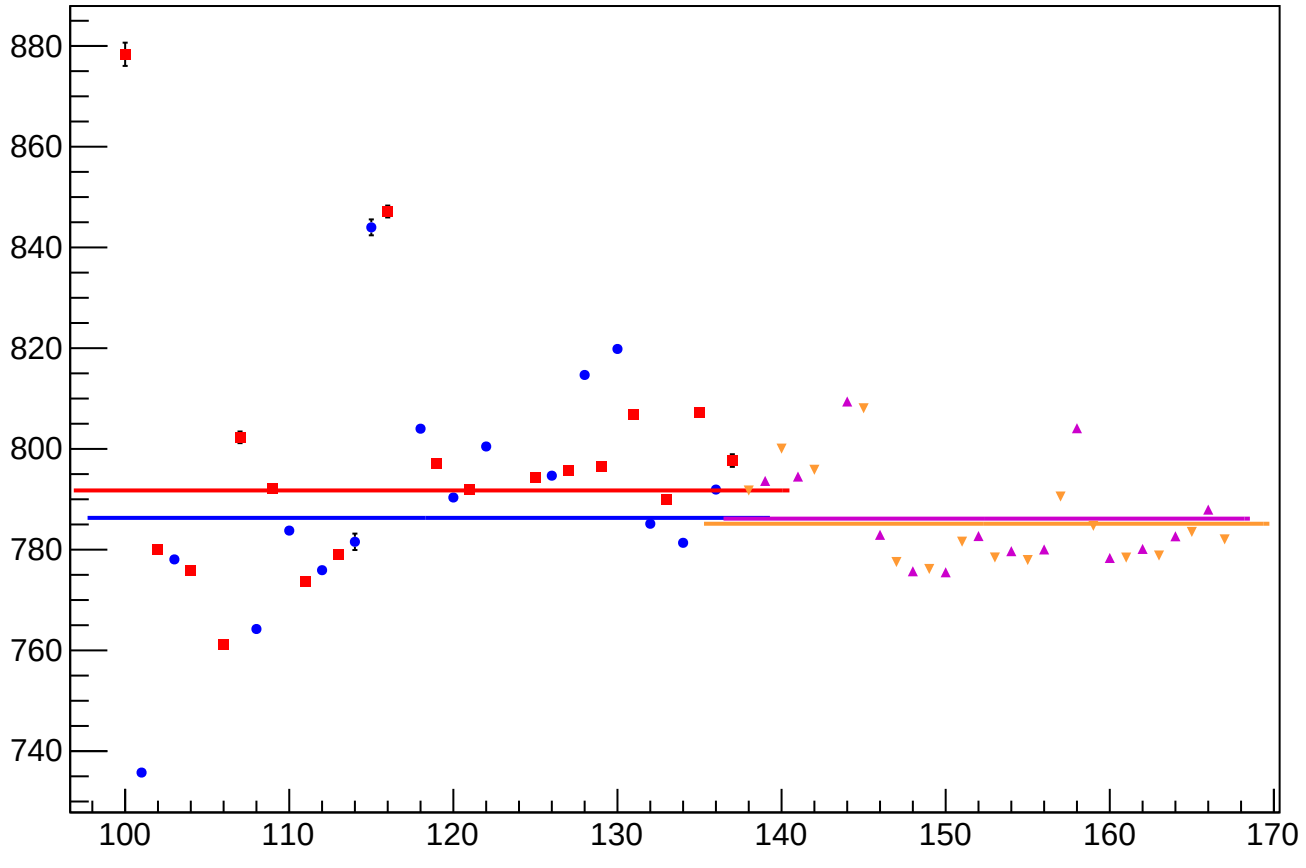
Left: 1885.994+/-162.537 χ^2/NDF: 31.9/28

Right: 2195.029+/-206.463 χ^2/NDF: 20.2/33

In: 2051.769+/-181.389 χ^2/NDF:30.9/29

Out: 1957.514+/-179.841 χ^2/NDF:22.4/32

All: 2004.238+/-127.711 χ^2/NDF: 53.5/62



Right In: 786.309+/-0.207 χ^2/NDF: 12571.0/15

Left Out: 785.146+/-0.161 χ^2/NDF:3185.1/14

Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 786.160+/-0.164 χ^2/NDF:3935.9/13

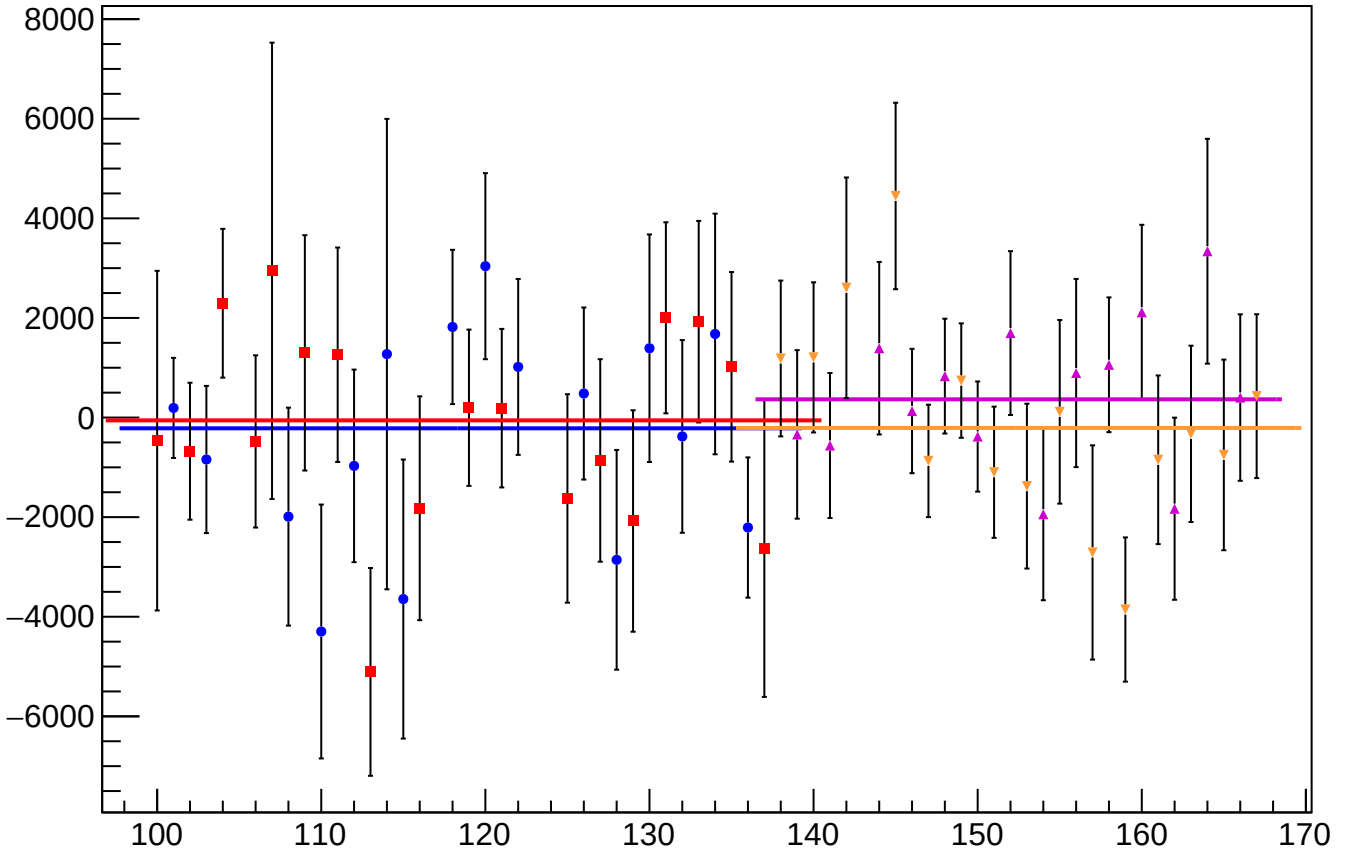
Left: 785.646+/-0.115 χ^2/NDF: 7140.5/28

Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

In: 786.217+/-0.128 χ^2/NDF:16507.3/29

Out: 787.657+/-0.127 χ^2/NDF:10836.7/32

All: 786.943+/-0.090 χ^2/NDF: 27407.4/62



Right In: -216.183+/-449.536 χ^2/NDF: 15.3/15

Left Out: -208.746+/-404.239 χ^2/NDF:19.6/14

Right Out: -56.784+/-463.977 χ^2/NDF: 15.1/17

Left In: 365.974+/-405.749 χ^2/NDF:8.5/13

Left: 77.542+/-286.372 χ^2/NDF: 29.1/28

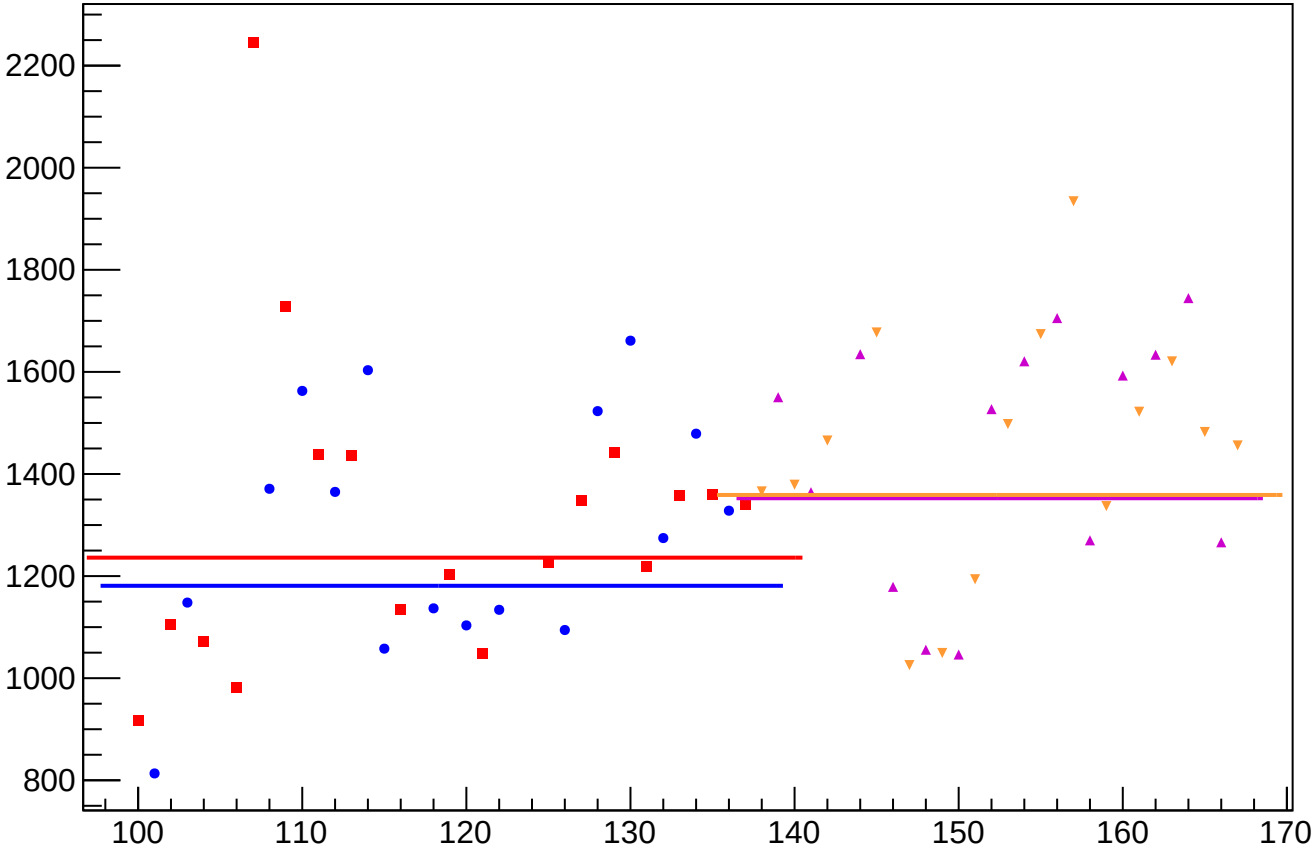
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 104.622+/-301.202 χ^2/NDF:24.7/29

Out: -143.172+/-304.787 χ^2/NDF:34.8/32

All: -17.809+/-214.238 χ^2/NDF: 59.8/62

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1180.995+/-0.318 χ^2/NDF: 571105.7/15

Left Out: 1358.941+/-0.286 χ^2/NDF:707513.5/14

Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1352.503+/-0.287 χ^2/NDF:703399.2/13

Left: 1355.734+/-0.202 χ^2/NDF: 1411165.4/28

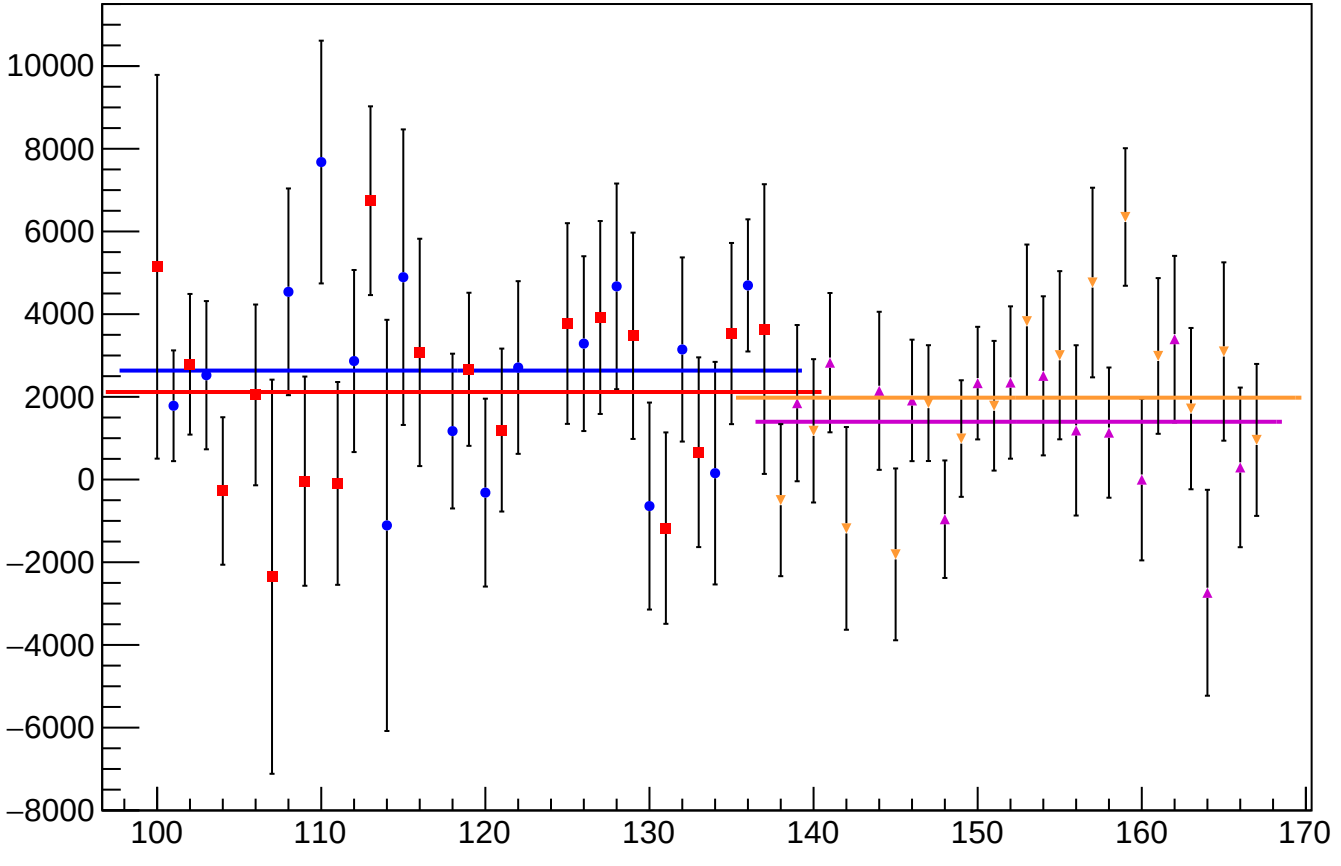
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1275.507+/-0.213 χ^2/NDF:1434930.0/29

Out: 1305.946+/-0.216 χ^2/NDF:1184410.4/32

All: 1290.546+/-0.151 χ^2/NDF: 2629432.6/62

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1979.844+/-466.978 χ^2/NDF:18.0/14

Right Out: 2117.162+/-547.483 χ^2/NDF: 13.7/17

Left In: 1397.277+/-469.002 χ^2/NDF:9.5/13

Left: 1689.820+/-330.917 χ^2/NDF: 28.3/28

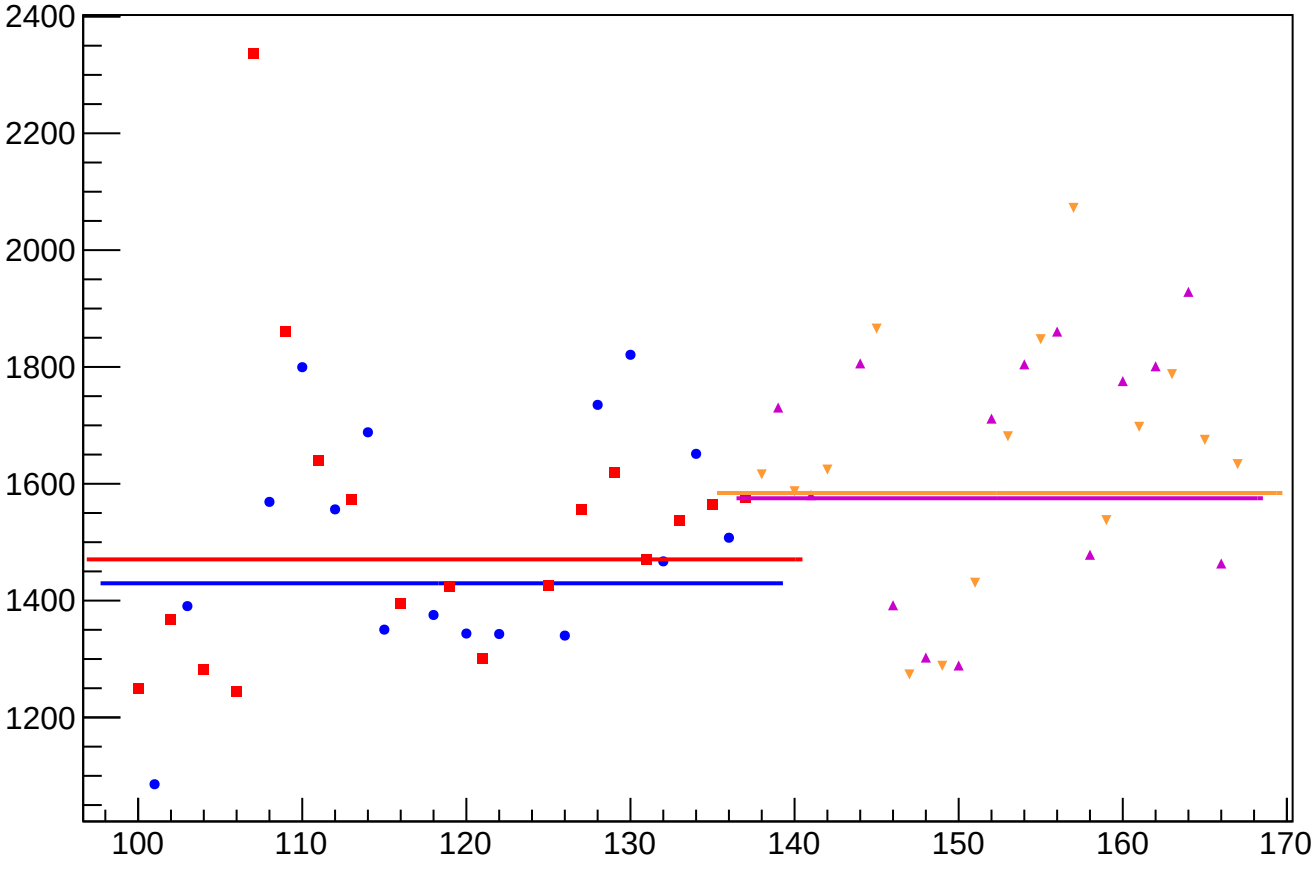
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 1931.861+/-353.538 χ^2/NDF:24.8/29

Out: 2037.674+/-355.291 χ^2/NDF:31.8/32

All: 1984.506+/-250.607 χ^2/NDF: 56.6/62

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1584.239+/-0.330 χ^2/NDF:408589.9/14

Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1575.207+/-0.332 χ^2/NDF:414411.2/13

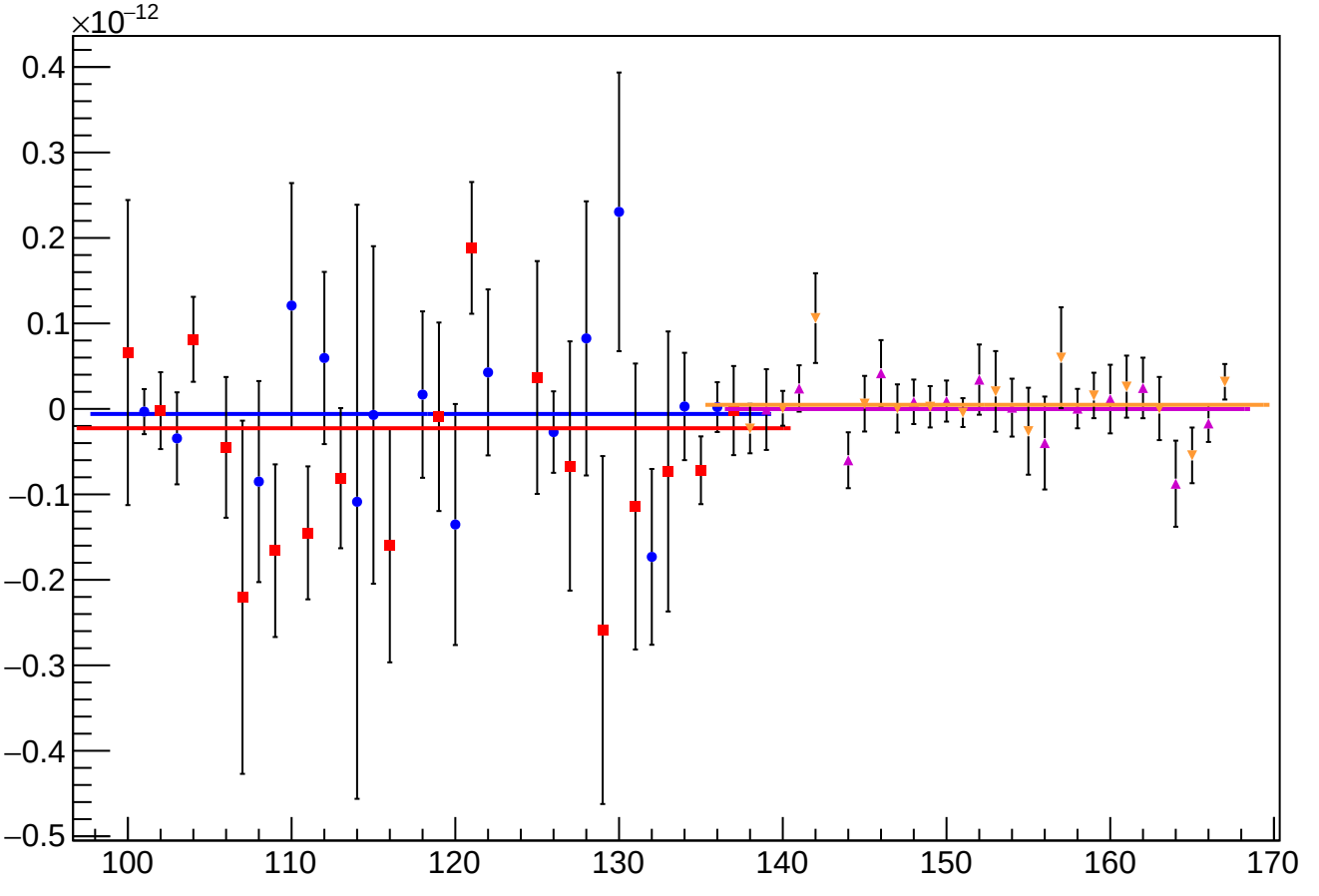
Left: 1579.743+/-0.234 χ^2/NDF: 823373.6/28

Right: 1449.753+/-0.271 χ^2/NDF: 517137.1/33

In: 1512.361+/-0.250 χ^2/NDF:790971.5/29

Out: 1536.366+/-0.251 χ^2/NDF:676567.2/32

All: 1524.305+/-0.177 χ^2/NDF: 1472126.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:11.0/13

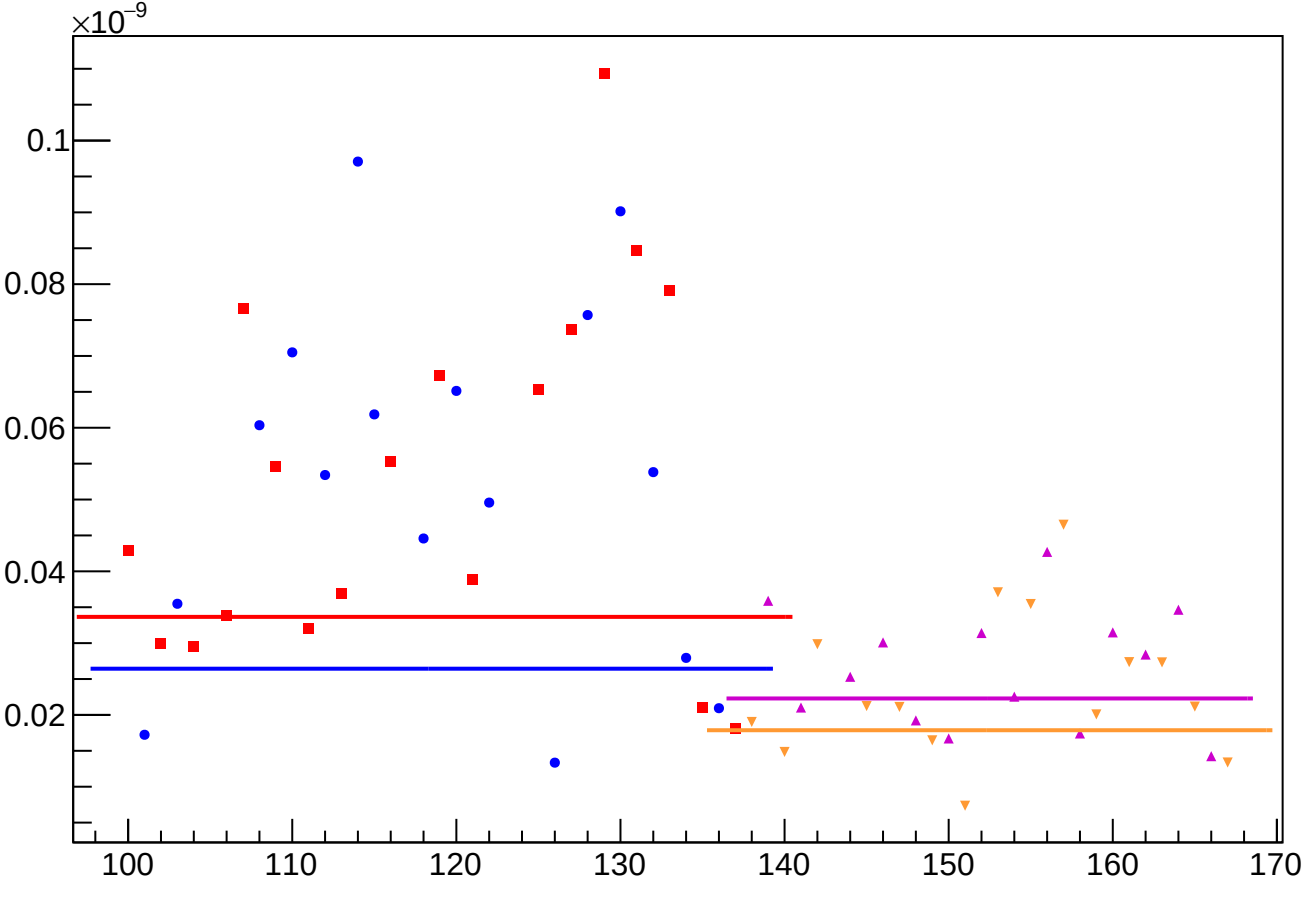
Left: 0.000+/-0.000 χ^2/NDF: 23.1/28

Right: -0.000+/-0.000 χ^2/NDF: 32.1/33

In: -0.000+/-0.000 χ^2/NDF:19.6/29

Out: 0.000+/-0.000 χ^2/NDF:36.9/32

All: -0.000+/-0.000 χ^2/NDF: 56.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 2138464.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2418050.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1711887.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1434013.5/13

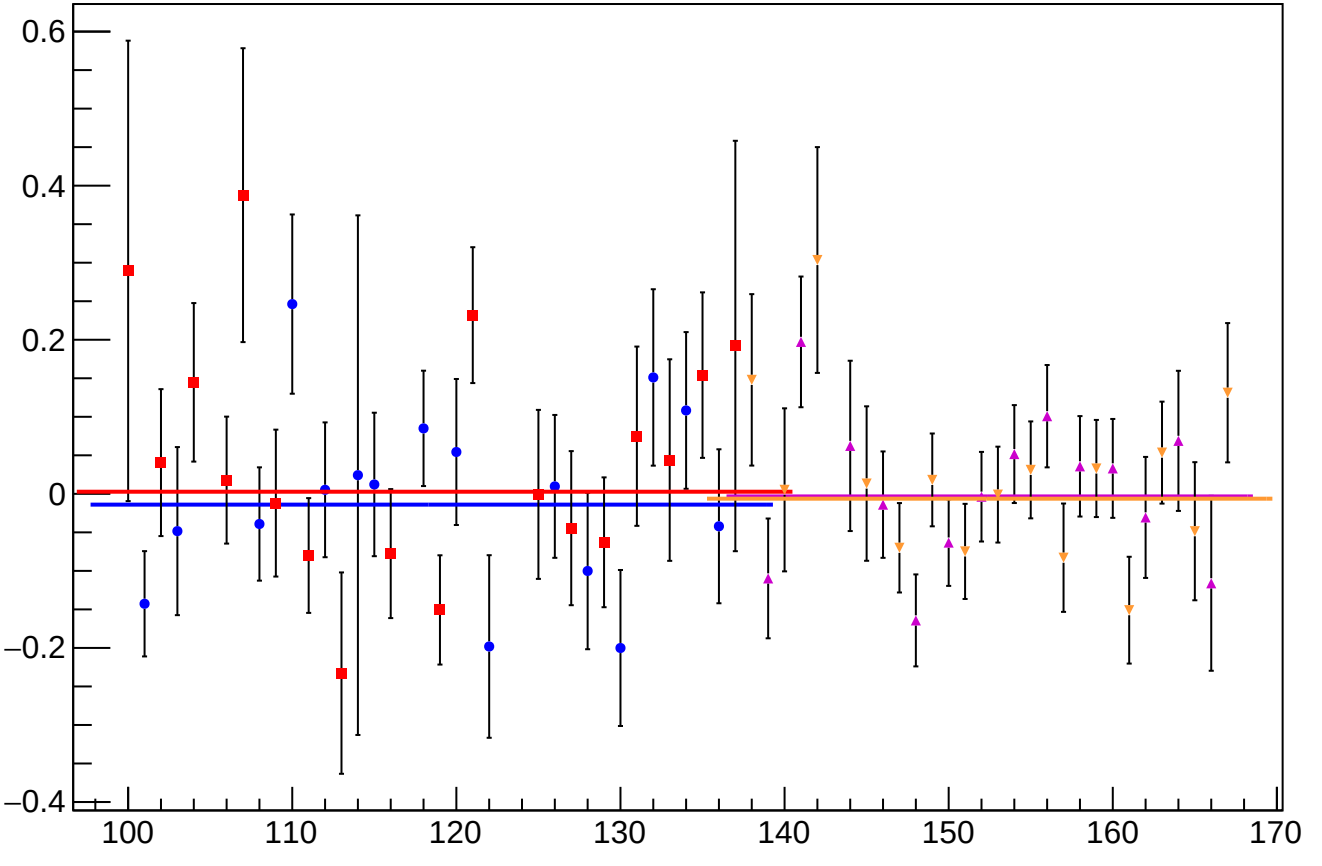
Left: 0.000+/-0.000 χ^2/NDF: 4168466.5/28

Right: 0.000+/-0.000 χ^2/NDF: 4035968.6/33

In: 0.000+/-0.000 χ^2/NDF:3686852.9/29

Out: 0.000+/-0.000 χ^2/NDF:5426453.7/32

All: 0.000+/-0.000 χ^2/NDF: 9317629.4/62



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.003+/-0.019 χ^2/NDF:21.9/13

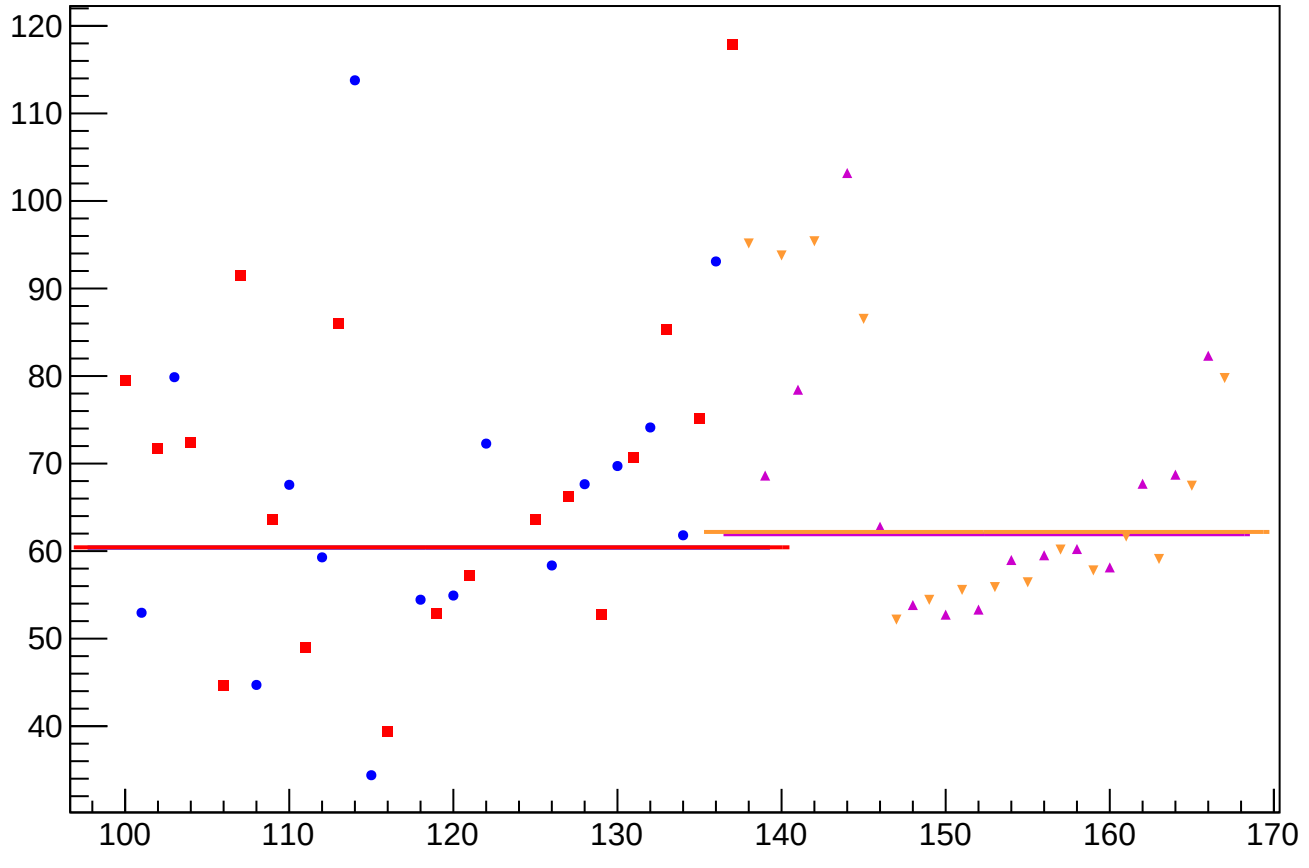
Left: -0.005+/-0.013 χ^2/NDF: 40.6/28

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.015 χ^2/NDF:43.3/29

Out: -0.003+/-0.015 χ^2/NDF:46.5/32

All: -0.005+/-0.010 χ^2/NDF: 89.9/62



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 62.189+/-0.013 χ^2/NDF:825837.1/14

Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.926+/-0.013 χ^2/NDF:605398.5/13

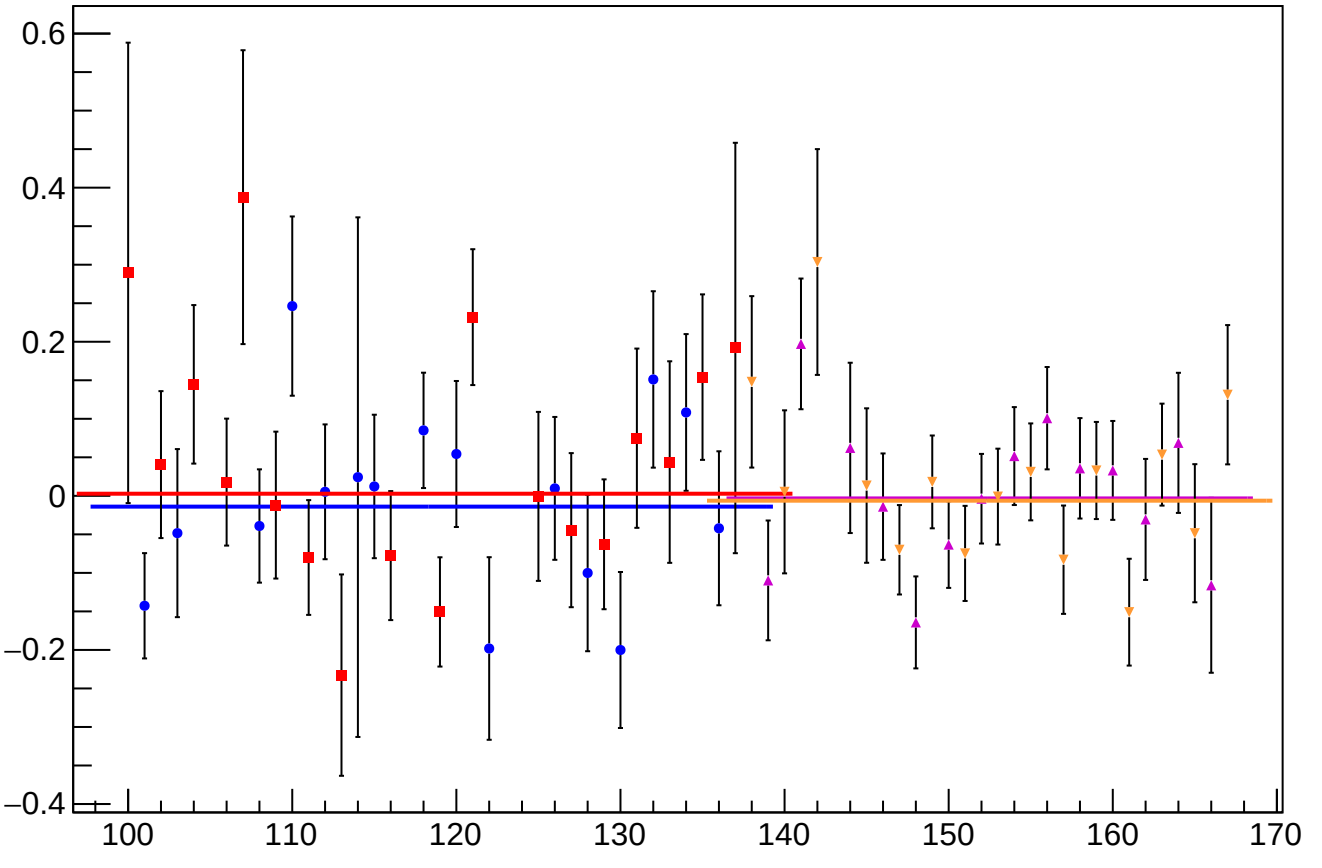
Left: 62.057+/-0.009 χ^2/NDF: 1431429.7/28

Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 61.338+/-0.010 χ^2/NDF:1313585.6/29

Out: 61.510+/-0.010 χ^2/NDF:1543600.4/32

All: 61.424+/-0.007 χ^2/NDF: 2857321.8/62



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.003+/-0.019 χ^2/NDF:21.9/13

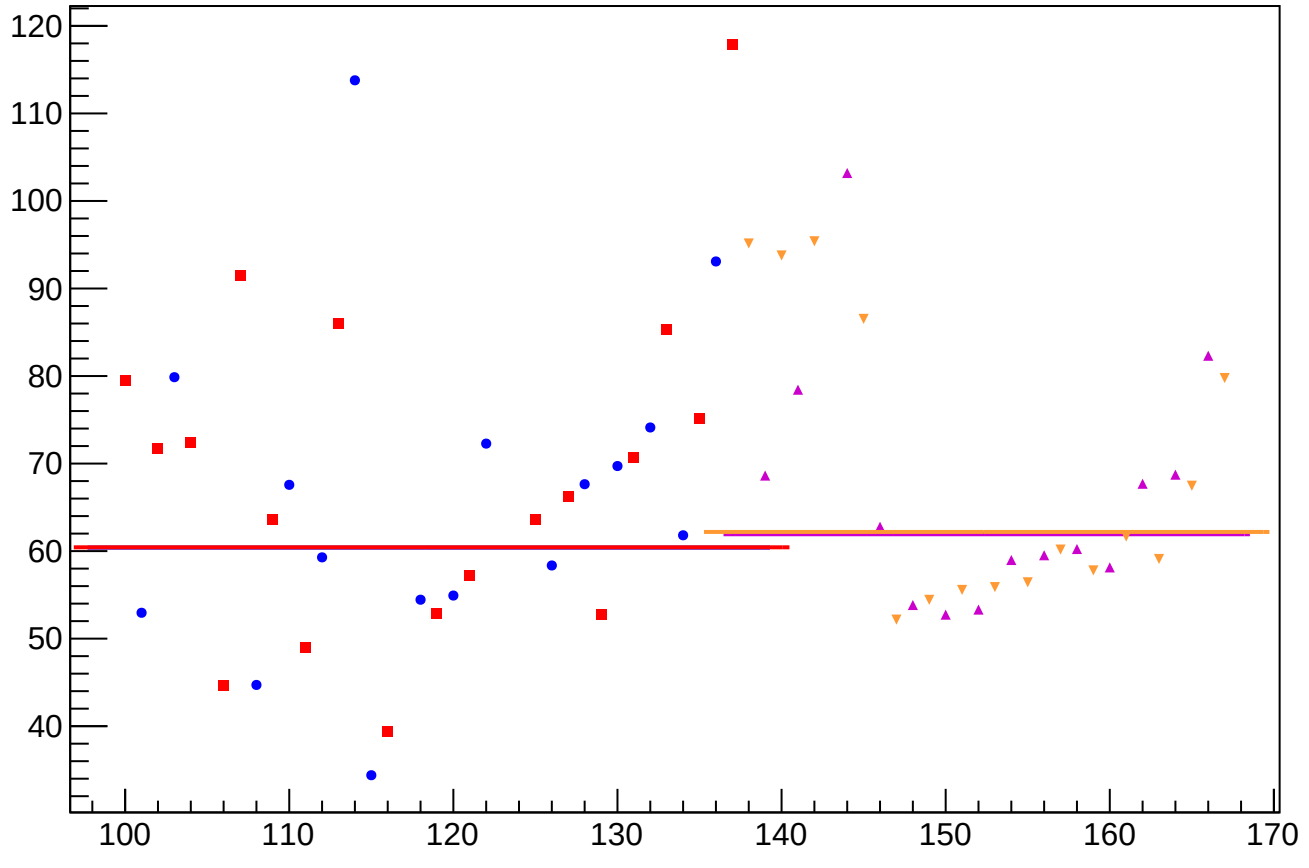
Left: -0.005+/-0.013 χ^2/NDF: 40.6/28

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.015 χ^2/NDF:43.3/29

Out: -0.003+/-0.015 χ^2/NDF:46.5/32

All: -0.005+/-0.010 χ^2/NDF: 89.9/62



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 62.189+/-0.013 χ^2/NDF:825837.1/14

Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.926+/-0.013 χ^2/NDF:605398.5/13

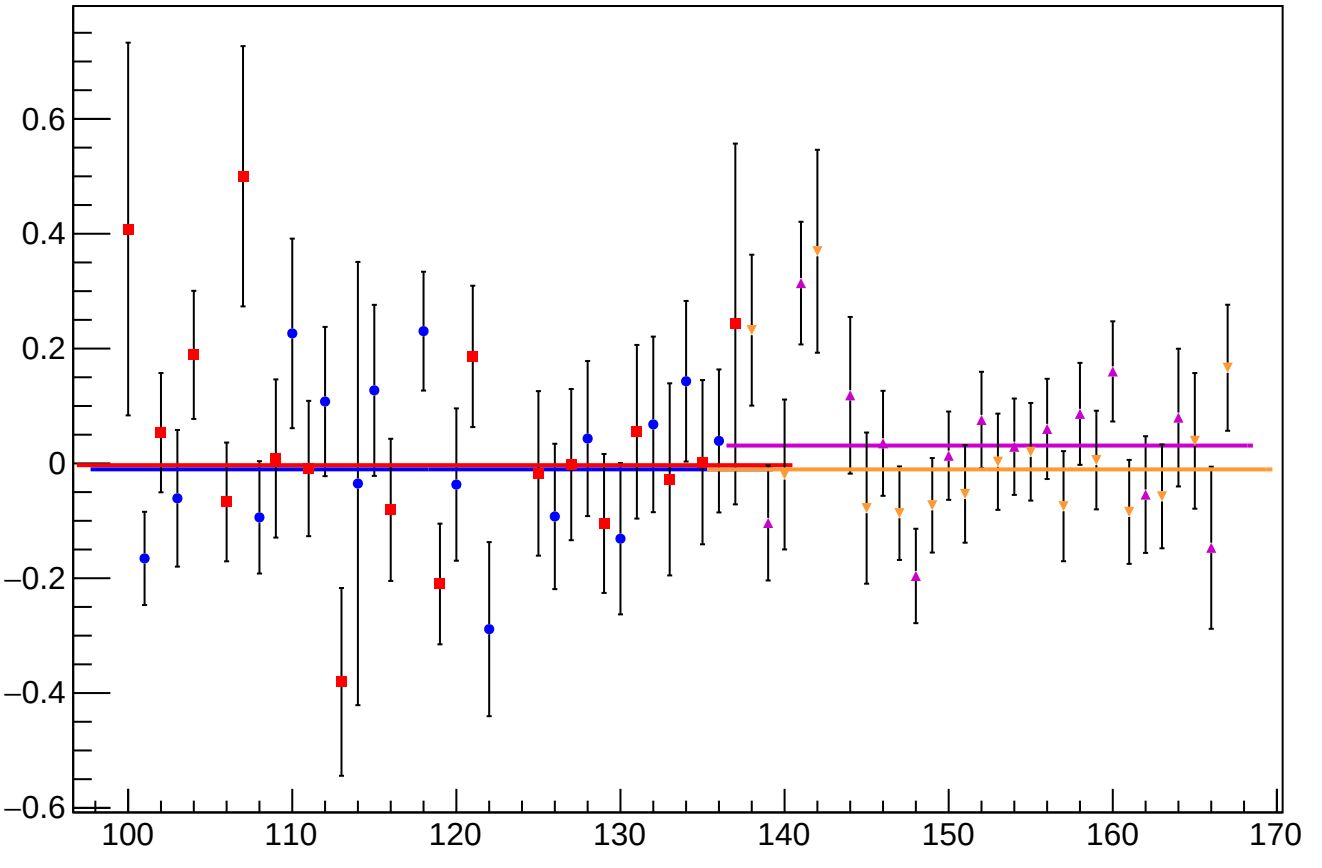
Left: 62.057+/-0.009 χ^2/NDF: 1431429.7/28

Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 61.338+/-0.010 χ^2/NDF:1313585.6/29

Out: 61.510+/-0.010 χ^2/NDF:1543600.4/32

All: 61.424+/-0.007 χ^2/NDF: 2857321.8/62



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.010+/-0.025 χ^2/NDF:14.4/14

Right Out: -0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: 0.031+/-0.025 χ^2/NDF:22.4/13

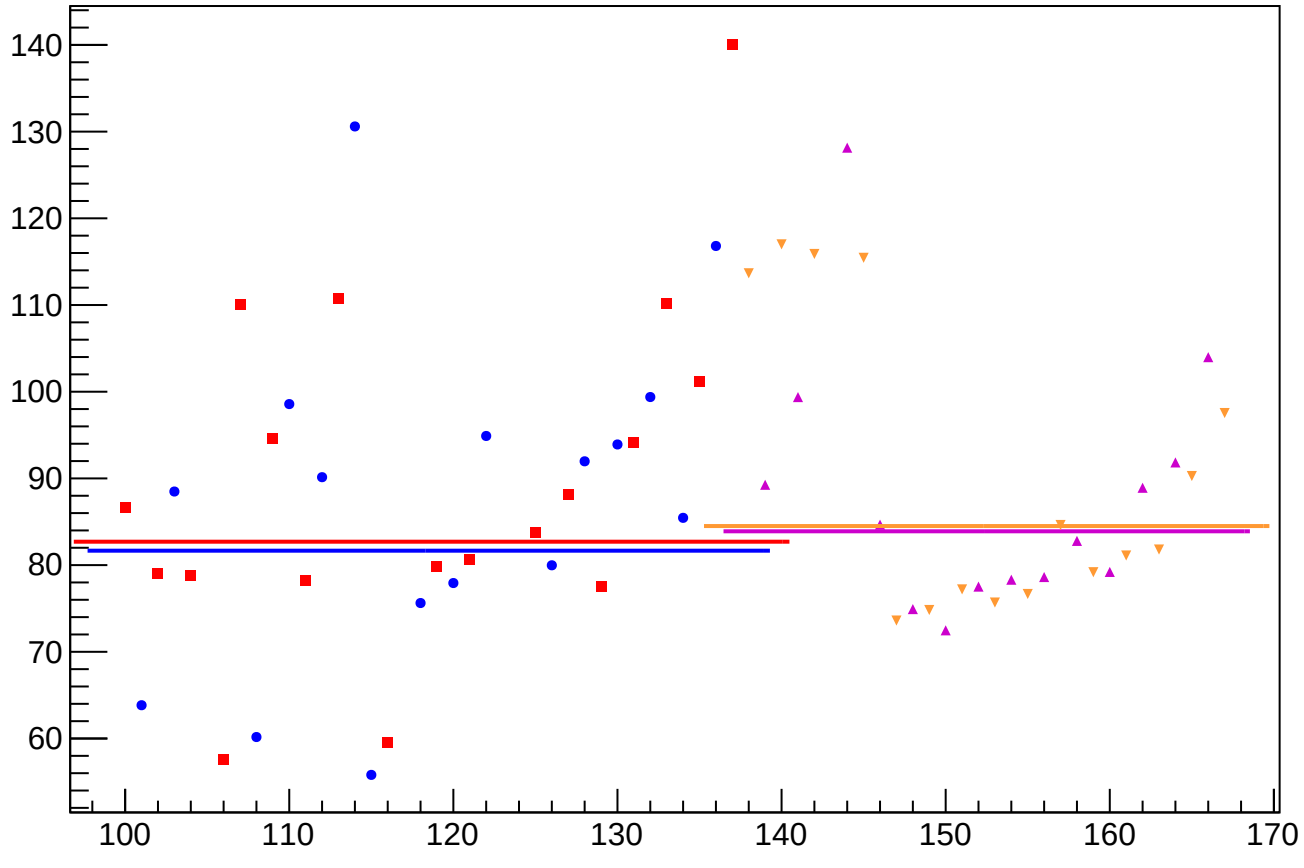
Left: 0.010+/-0.018 χ^2/NDF: 38.1/28

Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.015+/-0.020 χ^2/NDF:43.6/29

Out: -0.008+/-0.020 χ^2/NDF:38.1/32

All: 0.004+/-0.014 χ^2/NDF: 82.3/62



Right In: 81.664+/-0.022 χ^2/NDF: 561848.8/15

Left Out: 84.506+/-0.018 χ^2/NDF:558610.3/14

Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 83.899+/-0.018 χ^2/NDF:414106.4/13

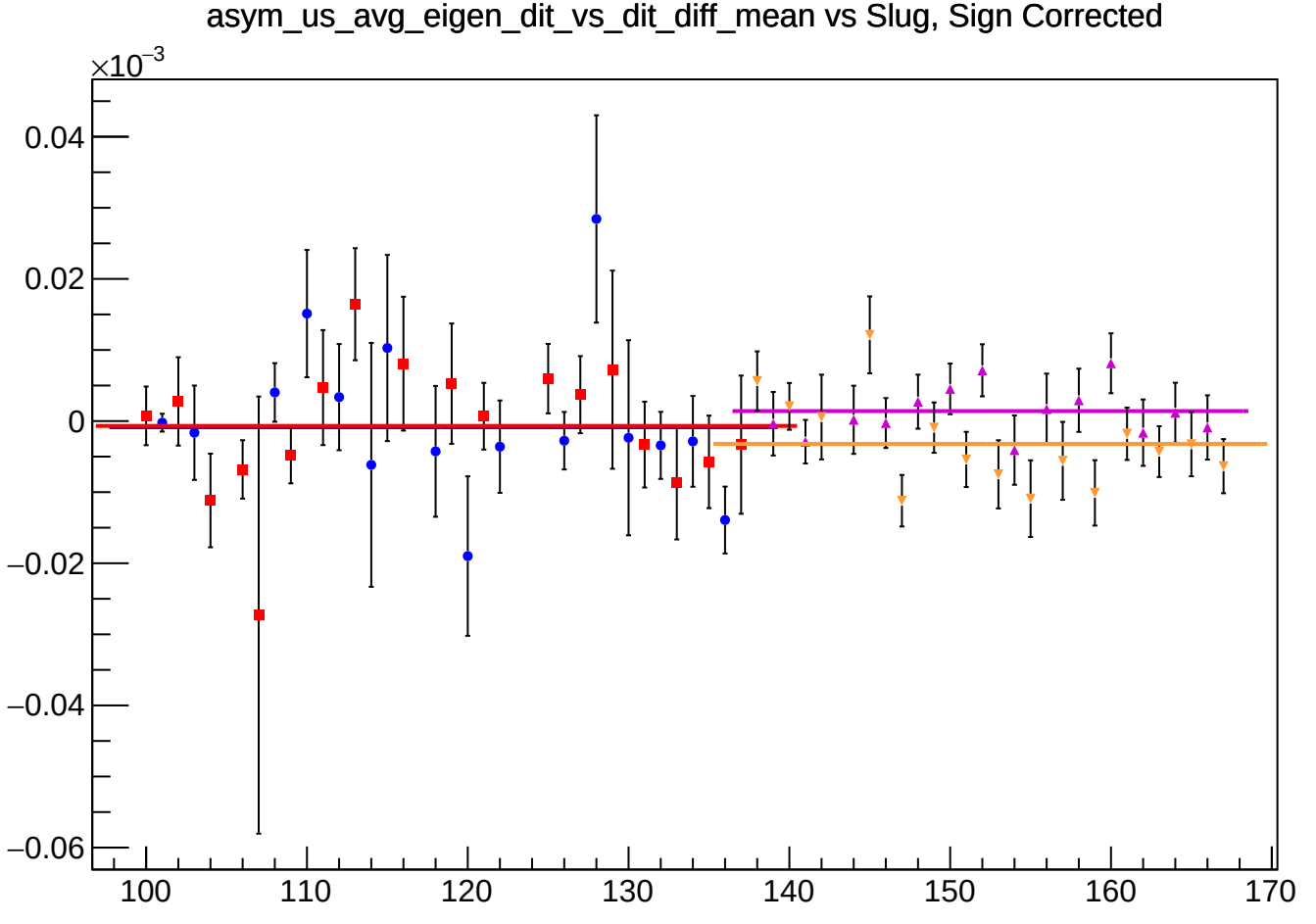
Left: 84.202+/-0.013 χ^2/NDF: 973292.9/28

Right: 82.180+/-0.016 χ^2/NDF: 1035987.5/33

In: 83.028+/-0.014 χ^2/NDF:982063.0/29

Out: 83.806+/-0.014 χ^2/NDF:1035633.5/32

All: 83.416+/-0.010 χ^2/NDF: 2019247.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/17

Left In: 0.000+/-0.000 χ^2/NDF:10.4/13

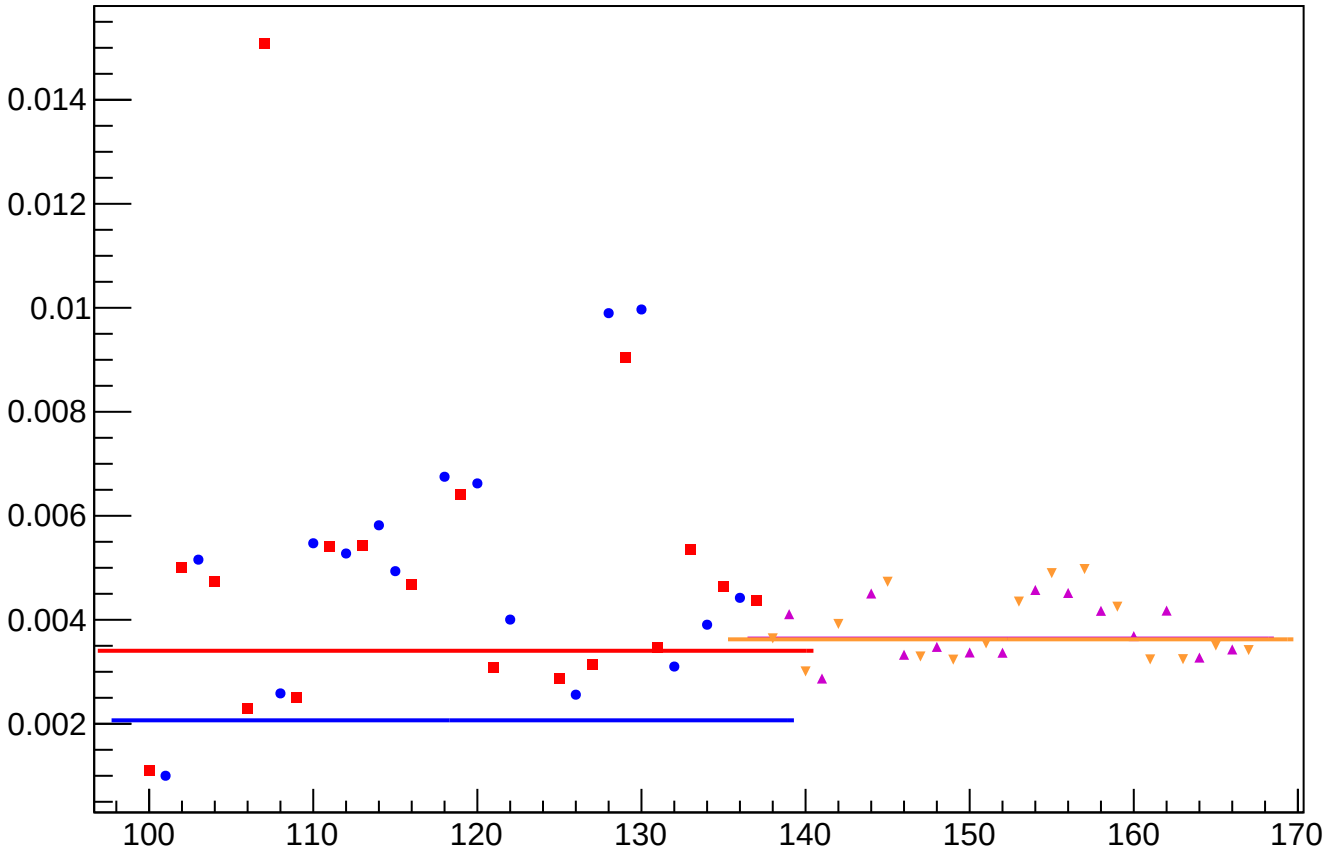
Left: -0.000+/-0.000 χ^2/NDF: 46.8/28

Right: -0.000+/-0.000 χ^2/NDF: 39.7/33

In: 0.000+/-0.000 χ^2/NDF:34.0/29

Out: -0.000+/-0.000 χ^2/NDF:47.6/32

All: -0.000+/-0.000 χ^2/NDF: 86.4/62



Right In: 0.002+/-0.000 χ^2/NDF: 5813338.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:568972.0/14

Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.004+/-0.000 χ^2/NDF:465422.1/13

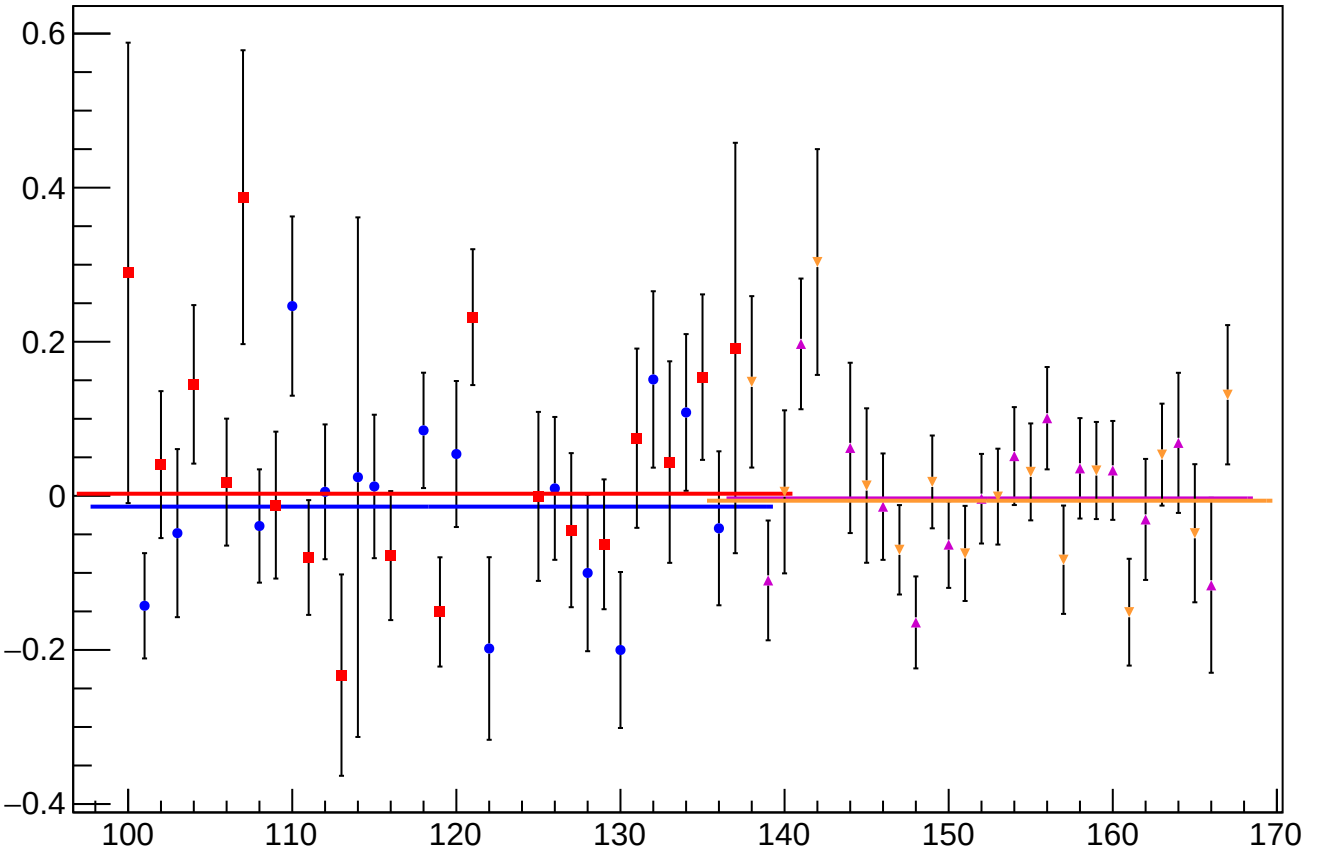
Left: 0.004+/-0.000 χ^2/NDF: 1034573.0/28

Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

In: 0.003+/-0.000 χ^2/NDF:8524132.6/29

Out: 0.004+/-0.000 χ^2/NDF:3090631.2/32

All: 0.003+/-0.000 χ^2/NDF: 12493795.9/62



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.003+/-0.019 χ^2/NDF:21.9/13

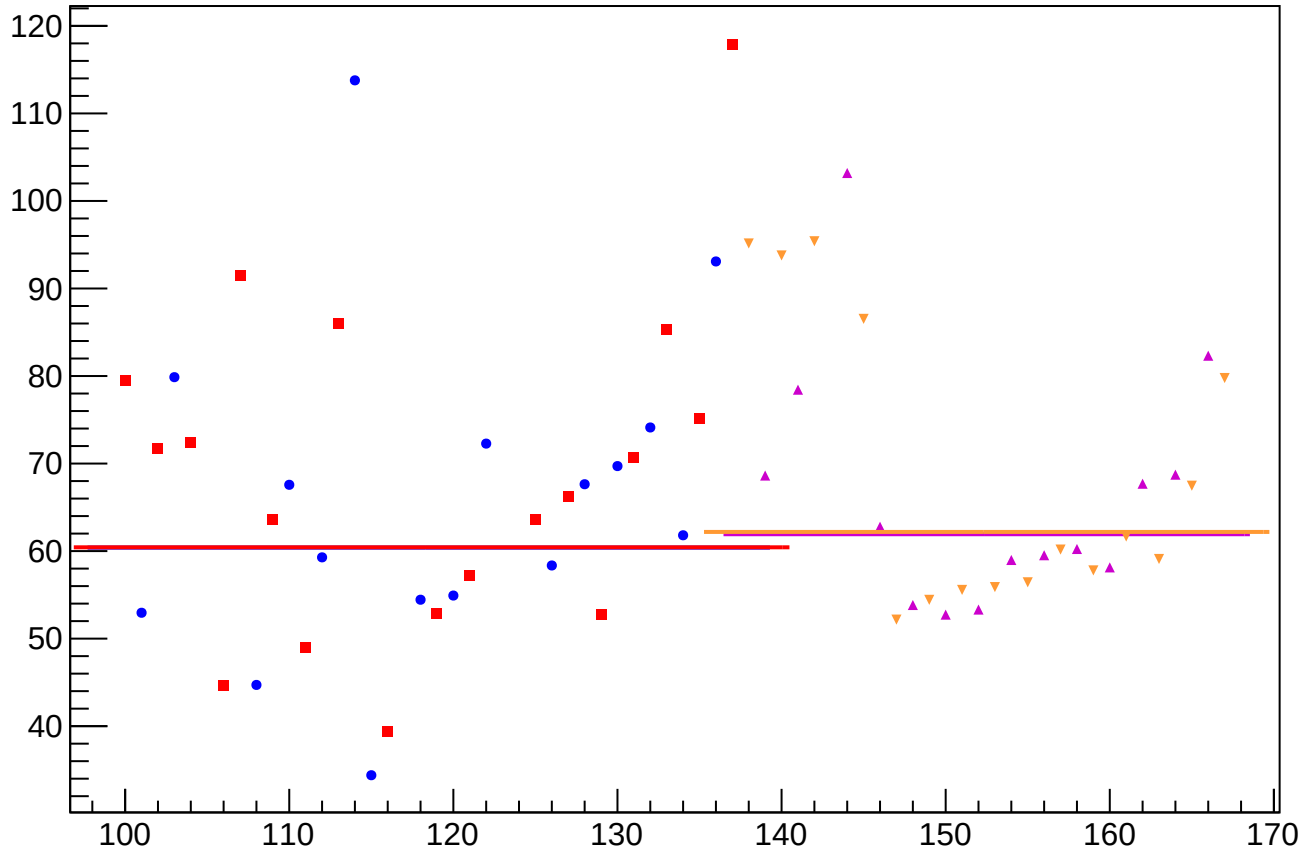
Left: -0.005+/-0.013 χ^2/NDF: 40.6/28

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.015 χ^2/NDF:43.3/29

Out: -0.003+/-0.015 χ^2/NDF:46.5/32

All: -0.005+/-0.010 χ^2/NDF: 89.9/62



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 62.189+/-0.013 χ^2/NDF:825834.5/14

Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.926+/-0.013 χ^2/NDF:605395.2/13

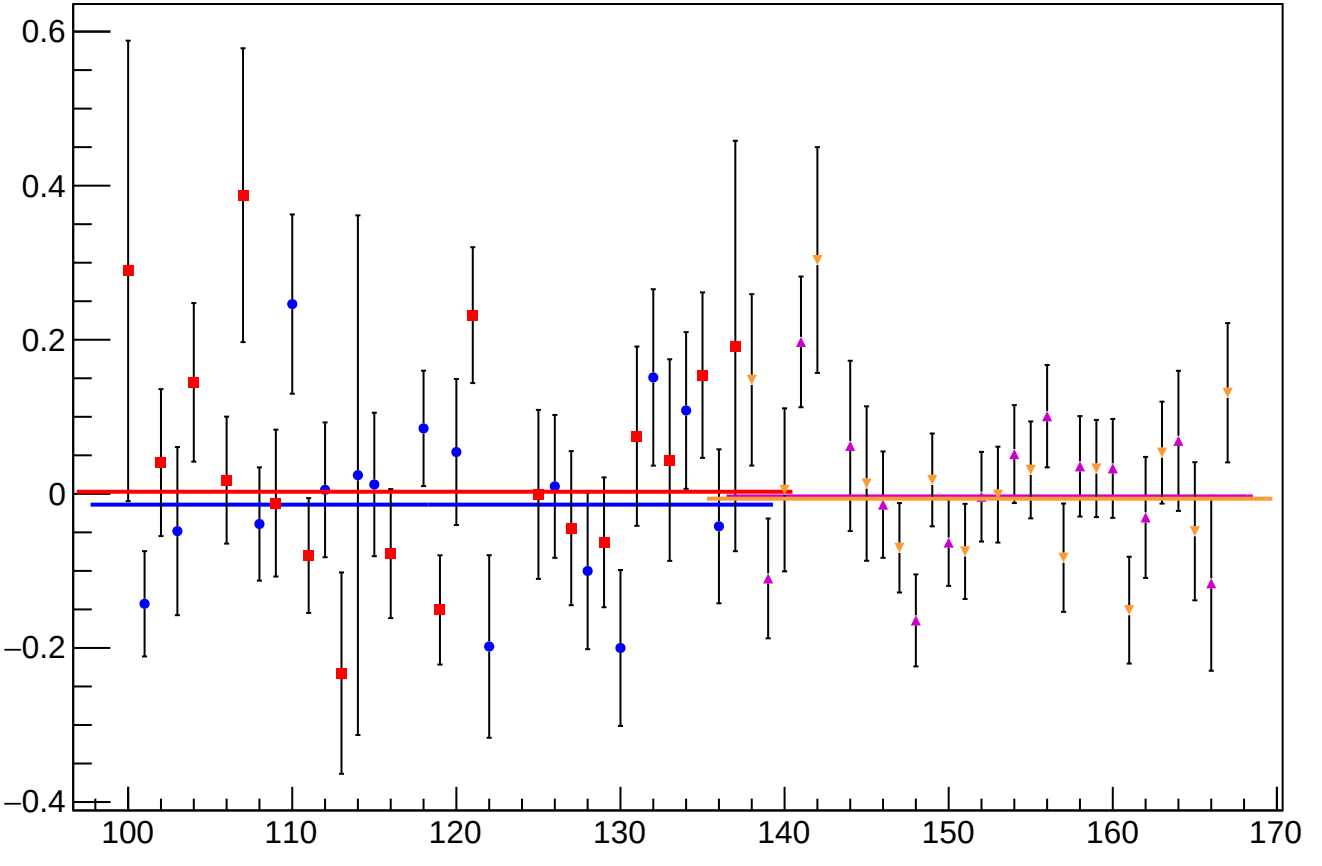
Left: 62.058+/-0.009 χ^2/NDF: 1431423.9/28

Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.337+/-0.010 χ^2/NDF:1313605.1/29

Out: 61.510+/-0.010 χ^2/NDF:1543642.4/32

All: 61.423+/-0.007 χ^2/NDF: 2857383.1/62



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.003+/-0.019 χ^2/NDF:21.9/13

Left: -0.005+/-0.013 χ^2/NDF: 40.6/28

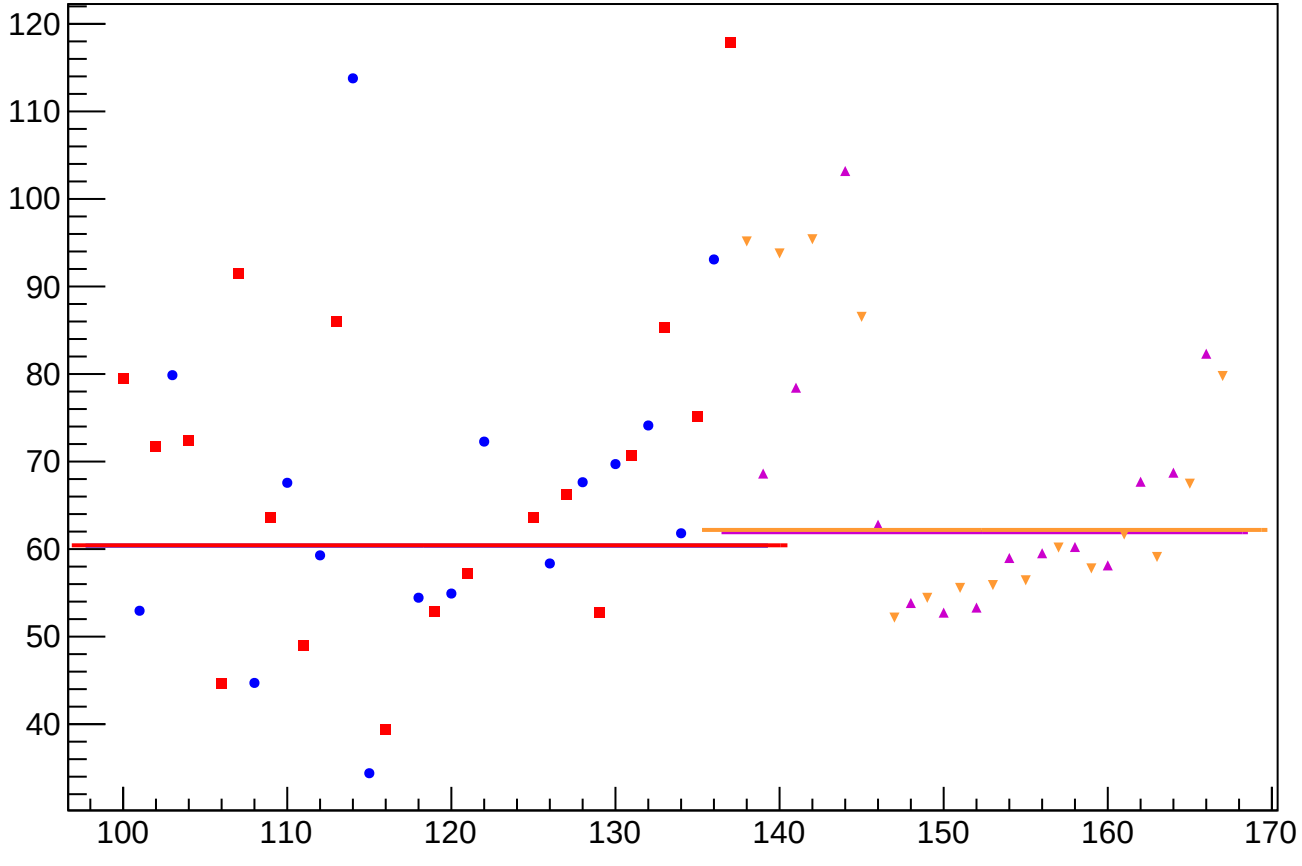
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.015 χ^2/NDF:43.3/29

Out: -0.003+/-0.015 χ^2/NDF:46.5/32

All: -0.005+/-0.010 χ^2/NDF: 89.9/62

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 62.189+/-0.013 χ^2/NDF:825834.5/14

Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.926+/-0.013 χ^2/NDF:605395.2/13

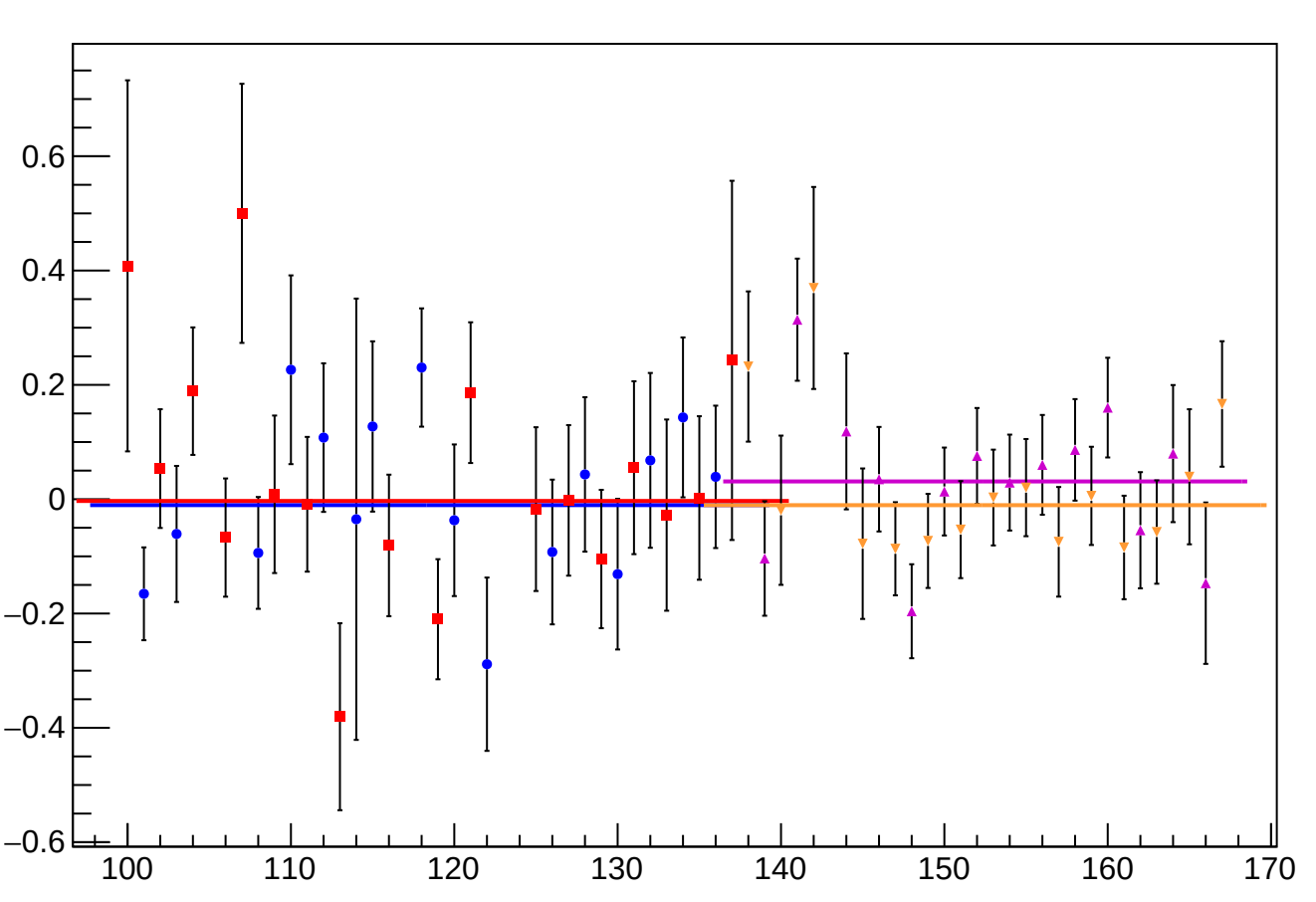
Left: 62.058+/-0.009 χ^2/NDF: 1431423.9/28

Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

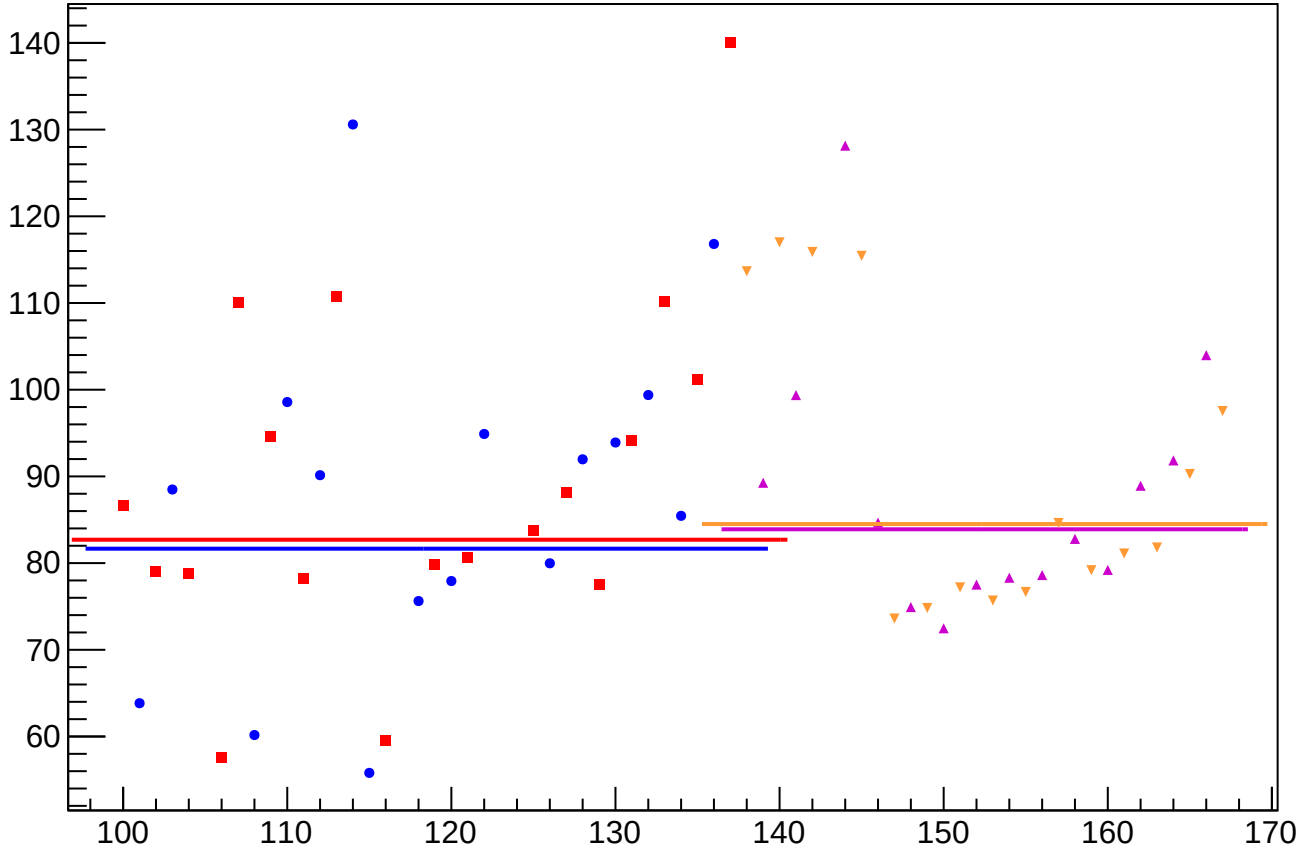
In: 61.337+/-0.010 χ^2/NDF:1313605.1/29

Out: 61.510+/-0.010 χ^2/NDF:1543642.4/32

All: 61.423+/-0.007 χ^2/NDF: 2857383.1/62


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.010+/-0.032 χ²/NDF: 20.2/15
Left Out: -0.010+/-0.025 χ²/NDF:14.4/14
Right Out: -0.003+/-0.032 χ²/NDF: 23.7/17
Left In: 0.031+/-0.025 χ²/NDF:22.4/13
Left: 0.010+/-0.018 χ²/NDF: 38.1/28
Right: -0.007+/-0.022 χ²/NDF: 43.8/33
In: 0.015+/-0.020 χ²/NDF:43.6/29
Out: -0.008+/-0.020 χ²/NDF:38.1/32
All: 0.004+/-0.014 χ²/NDF: 82.3/62

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.663+/-0.022 χ^2/NDF: 561836.4/15

Left Out: 84.506+/-0.018 χ^2/NDF:558608.2/14

Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 83.900+/-0.018 χ^2/NDF:414106.1/13

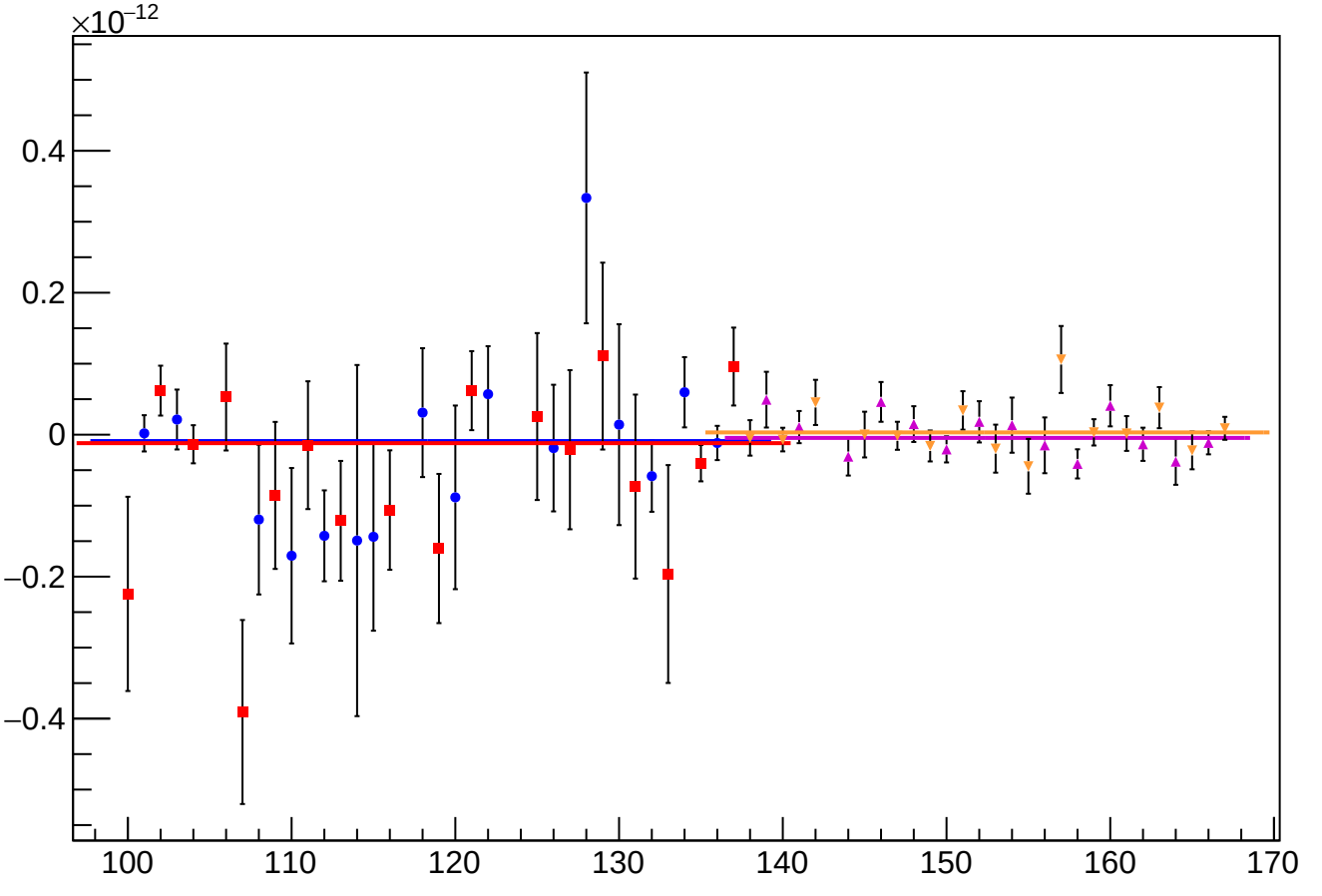
Left: 84.203+/-0.013 χ^2/NDF: 973290.5/28

Right: 82.179+/-0.016 χ^2/NDF: 1035971.3/33

In: 83.028+/-0.014 χ^2/NDF:982055.9/29

Out: 83.806+/-0.014 χ^2/NDF:1035633.9/32

All: 83.416+/-0.010 χ^2/NDF: 2019241.0/62



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.8/13

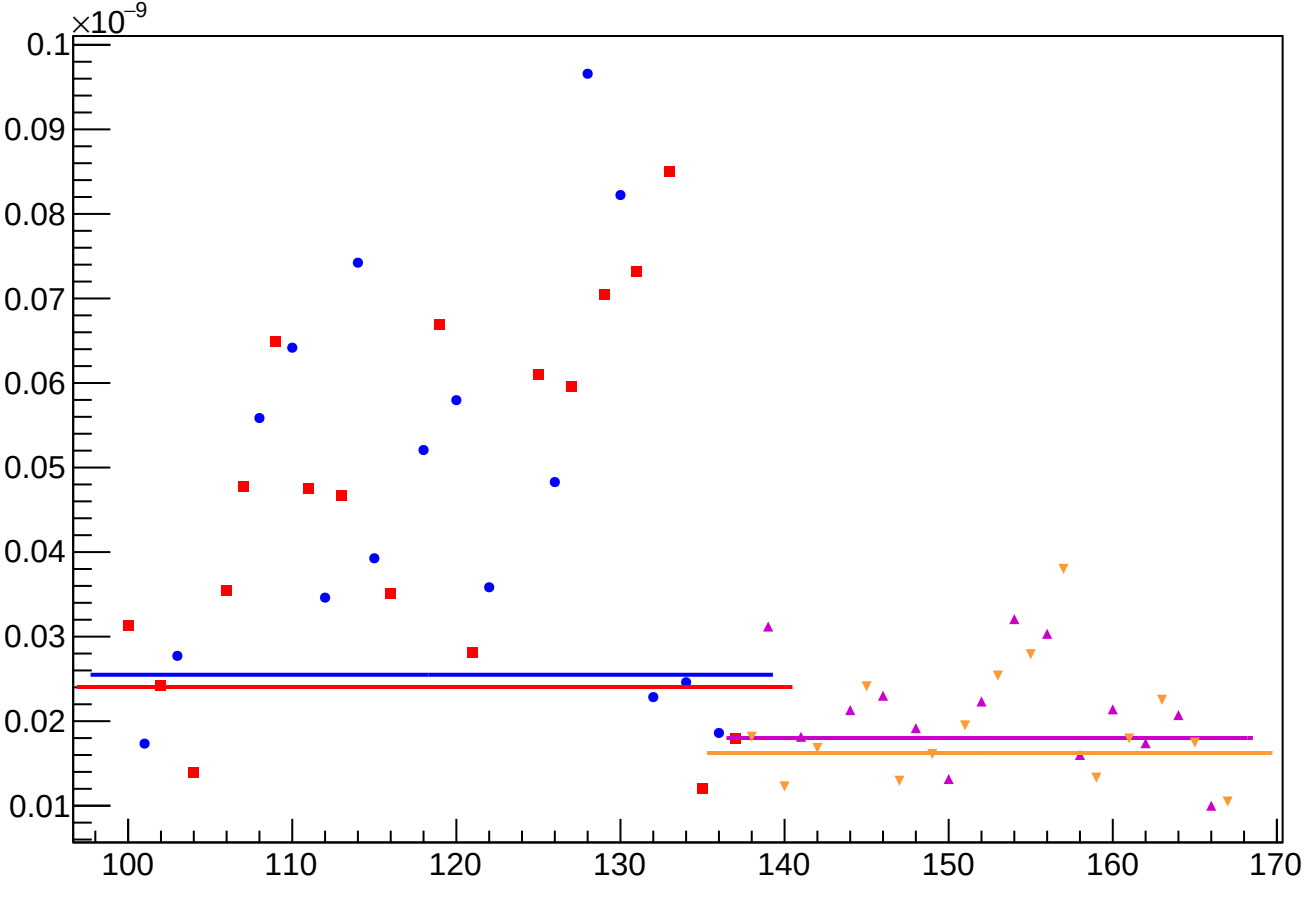
Left: -0.000+/-0.000 χ^2/NDF: 30.1/28

Right: -0.000+/-0.000 χ^2/NDF: 48.5/33

In: -0.000+/-0.000 χ^2/NDF:33.4/29

Out: 0.000+/-0.000 χ^2/NDF:45.7/32

All: -0.000+/-0.000 χ^2/NDF: 79.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 1999848.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1496481.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1516656.5/13

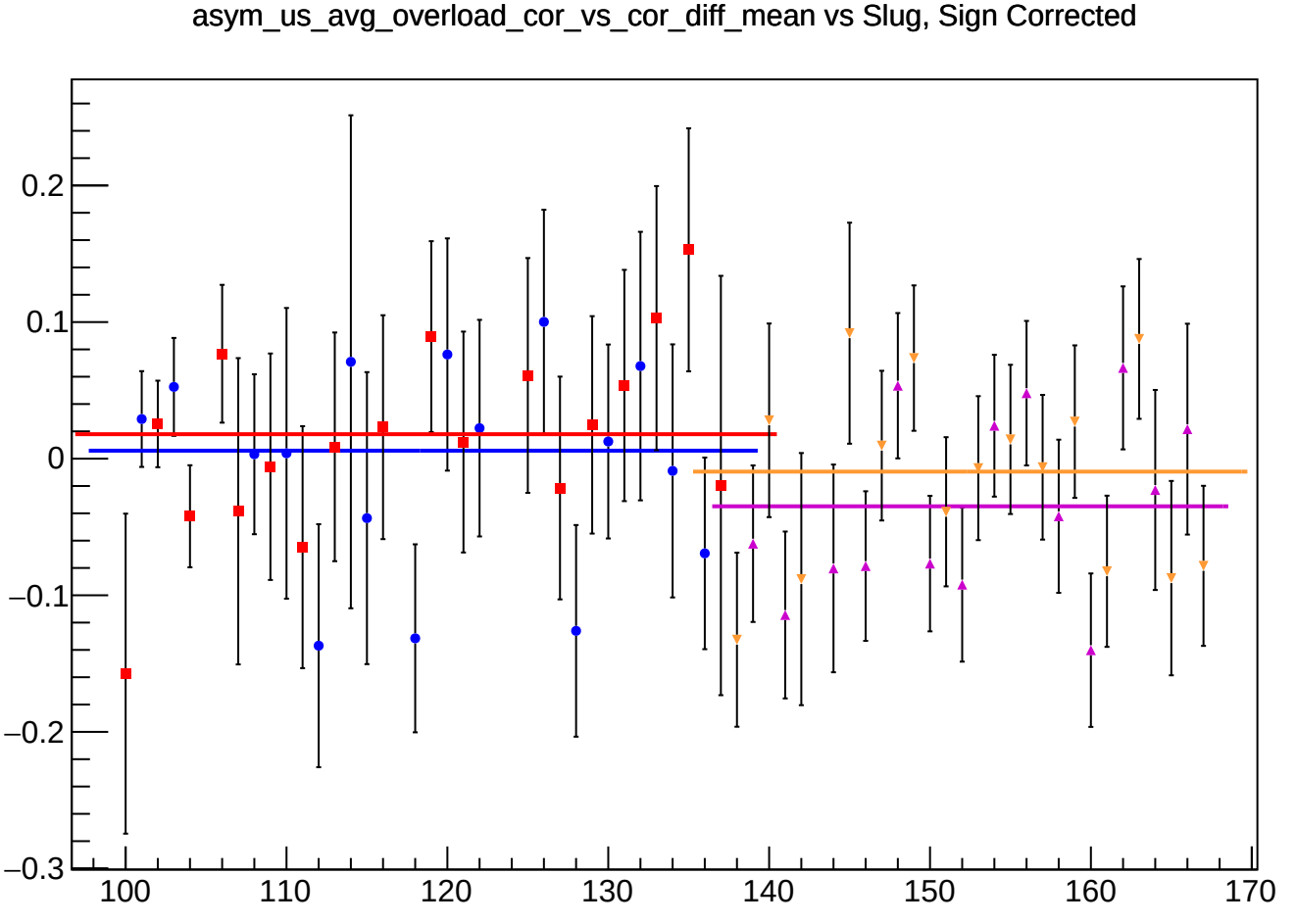
Left: 0.000+/-0.000 χ^2/NDF: 3089158.0/28

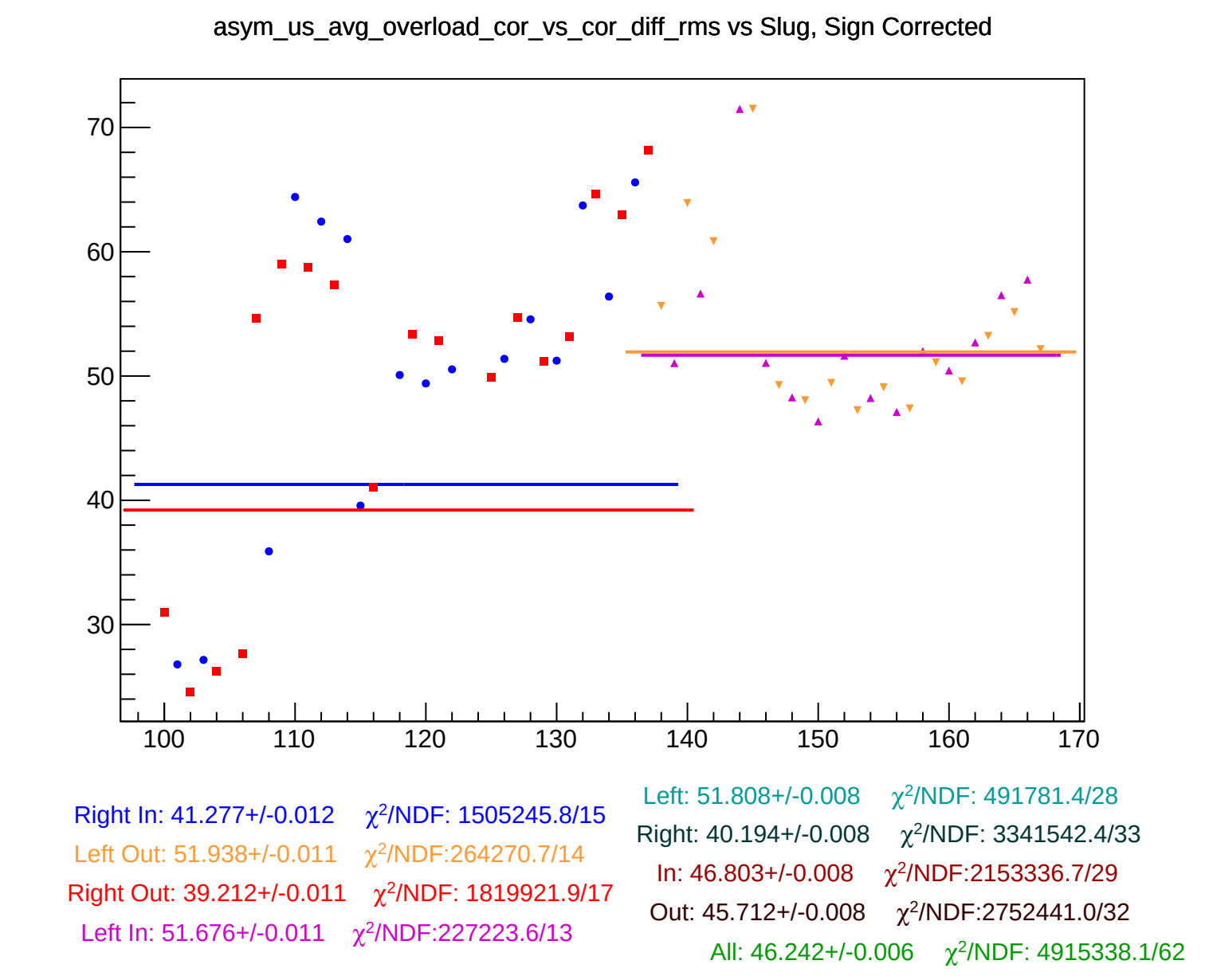
Right: 0.000+/-0.000 χ^2/NDF: 5096304.5/33

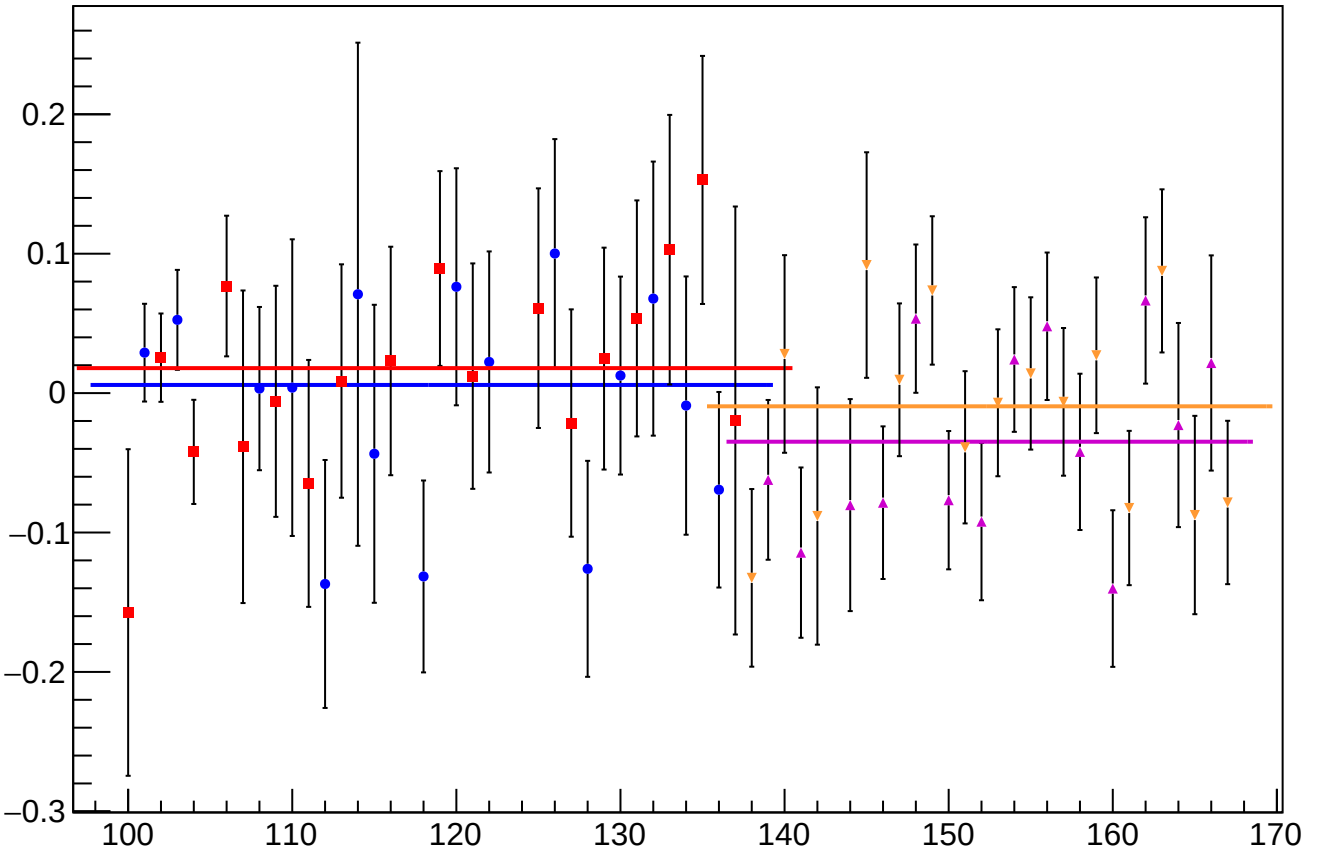
In: 0.000+/-0.000 χ^2/NDF:4025357.7/29

Out: 0.000+/-0.000 χ^2/NDF:5140843.0/32

All: 0.000+/-0.000 χ^2/NDF: 9276320.5/62


asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.006+/-0.017 χ²/NDF: 15.6/15
Left Out: -0.009+/-0.015 χ²/NDF:16.9/14
Right Out: 0.018+/-0.016 χ²/NDF: 12.3/17
Left In: -0.035+/-0.016 χ²/NDF:18.1/13
Left: -0.022+/-0.011 χ²/NDF: 36.4/28
Right: 0.012+/-0.011 χ²/NDF: 28.2/33
In: -0.016+/-0.011 χ²/NDF:36.9/29
Out: 0.004+/-0.011 χ²/NDF:30.7/32
All: -0.006+/-0.008 χ²/NDF: 69.2/62


asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
100
110
120
130
140
150
160
170
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 51.938+/-0.011 χ²/NDF:264270.7/14
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 51.676+/-0.011 χ²/NDF:227223.6/13
Left: 51.808+/-0.008 χ²/NDF: 491781.4/28
Right: 40.194+/-0.008 χ²/NDF: 3341542.4/33
In: 46.803+/-0.008 χ²/NDF:2153336.7/29
Out: 45.712+/-0.008 χ²/NDF:2752441.0/32
All: 46.242+/-0.006 χ²/NDF: 4915338.1/62



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

Left Out: -0.009+/-0.015 χ^2/NDF:16.9/14

Right Out: 0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: -0.035+/-0.016 χ^2/NDF:18.1/13

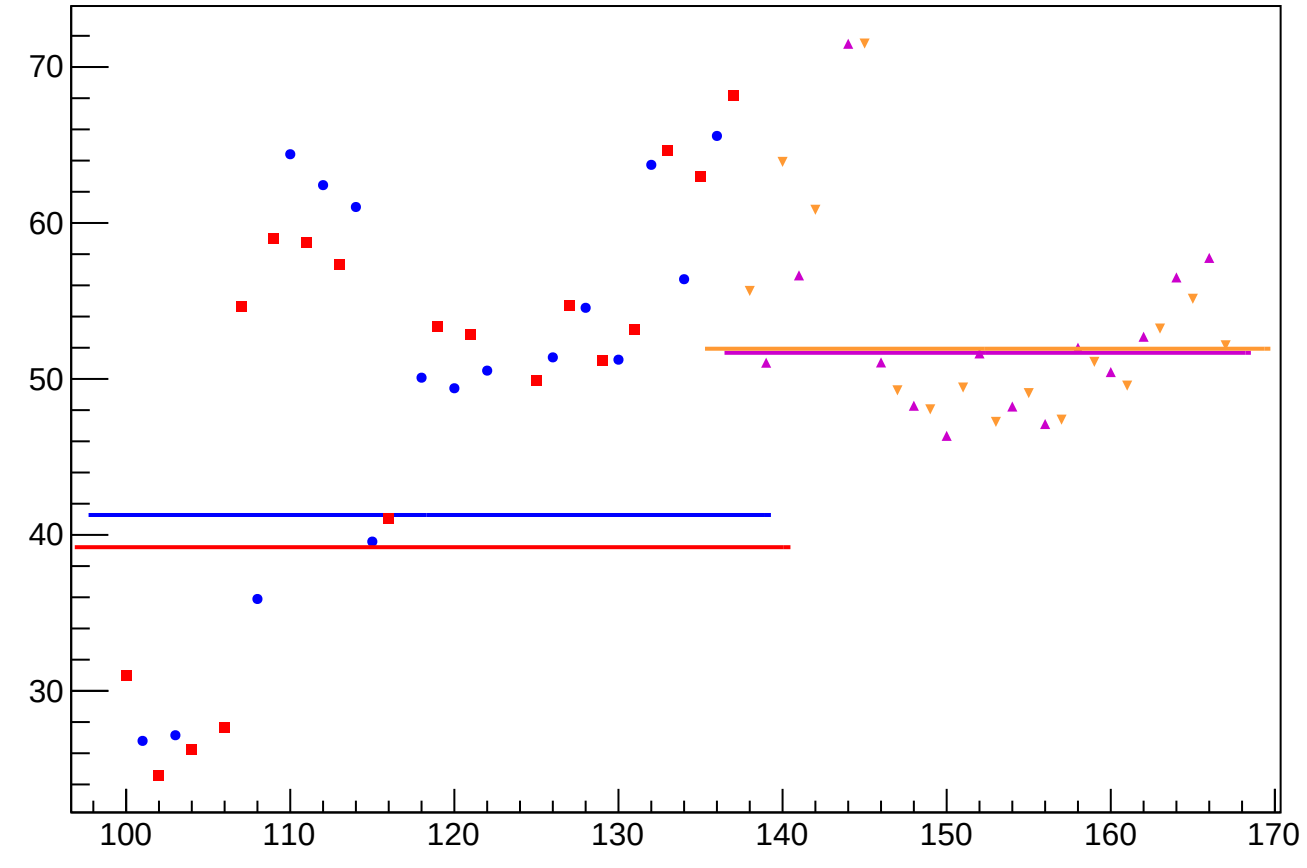
Left: -0.022+/-0.011 χ^2/NDF: 36.4/28

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.011 χ^2/NDF:36.9/29

Out: 0.004+/-0.011 χ^2/NDF:30.7/32

All: -0.006+/-0.008 χ^2/NDF: 69.2/62



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

Left Out: 51.938+/-0.011 χ^2/NDF:264270.7/14

Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.676+/-0.011 χ^2/NDF:227223.6/13

Left: 51.808+/-0.008 χ^2/NDF: 491781.4/28

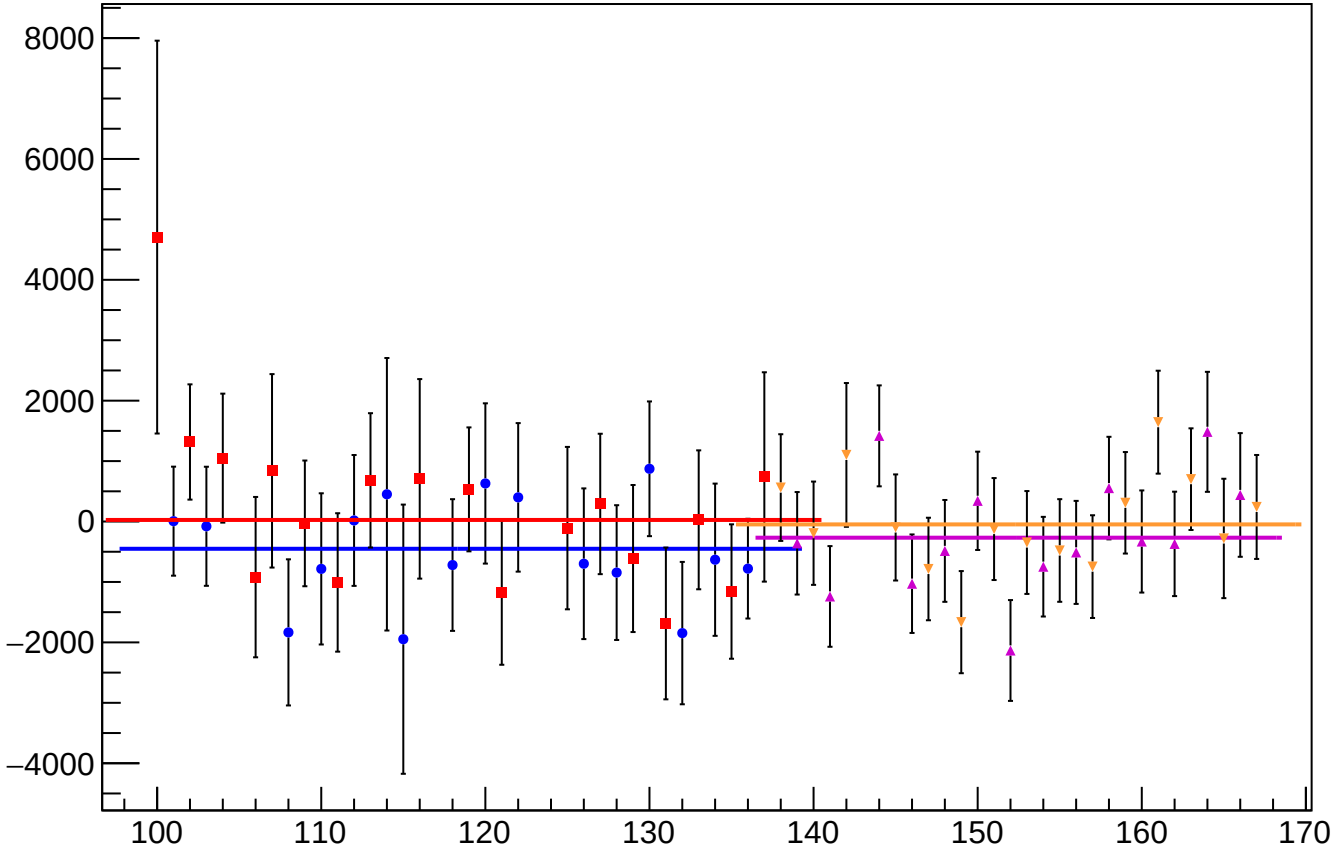
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 46.803+/-0.008 χ^2/NDF:2153336.7/29

Out: 45.712+/-0.008 χ^2/NDF:2752441.0/32

All: 46.242+/-0.006 χ^2/NDF: 4915338.1/62

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -47.477+/-225.946 χ^2/NDF:12.0/14

Right Out: 26.099+/-288.079 χ^2/NDF: 11.7/17

Left In: -267.530+/-228.986 χ^2/NDF:16.9/13

Left: -156.033+/-160.832 χ^2/NDF: 29.4/28

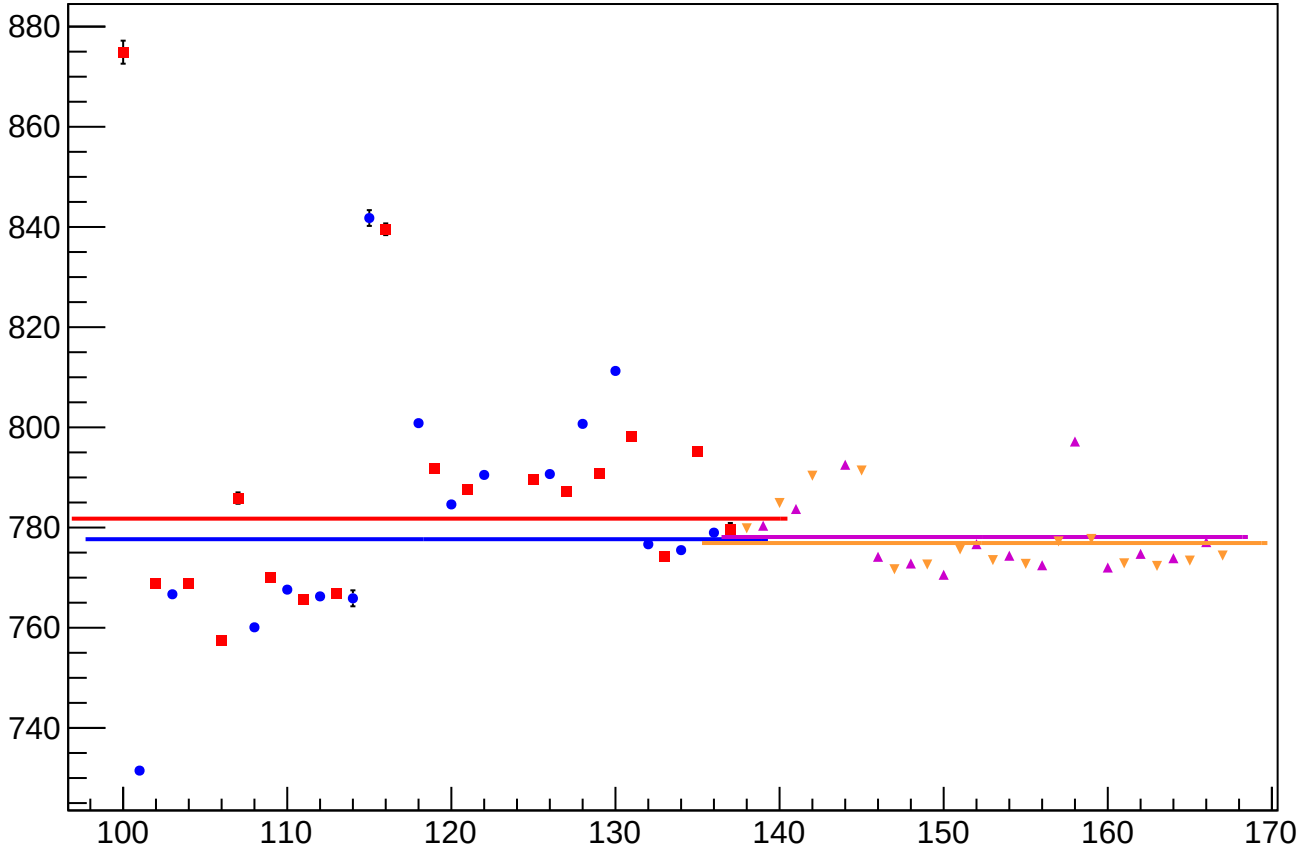
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -338.287+/-179.465 χ^2/NDF:24.1/29

Out: -19.454+/-177.786 χ^2/NDF:23.7/32

All: -177.372+/-126.303 χ^2/NDF: 49.4/62

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 776.909+/-0.160 χ^2/NDF:1356.9/14

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.114+/-0.162 χ^2/NDF:2314.1/13

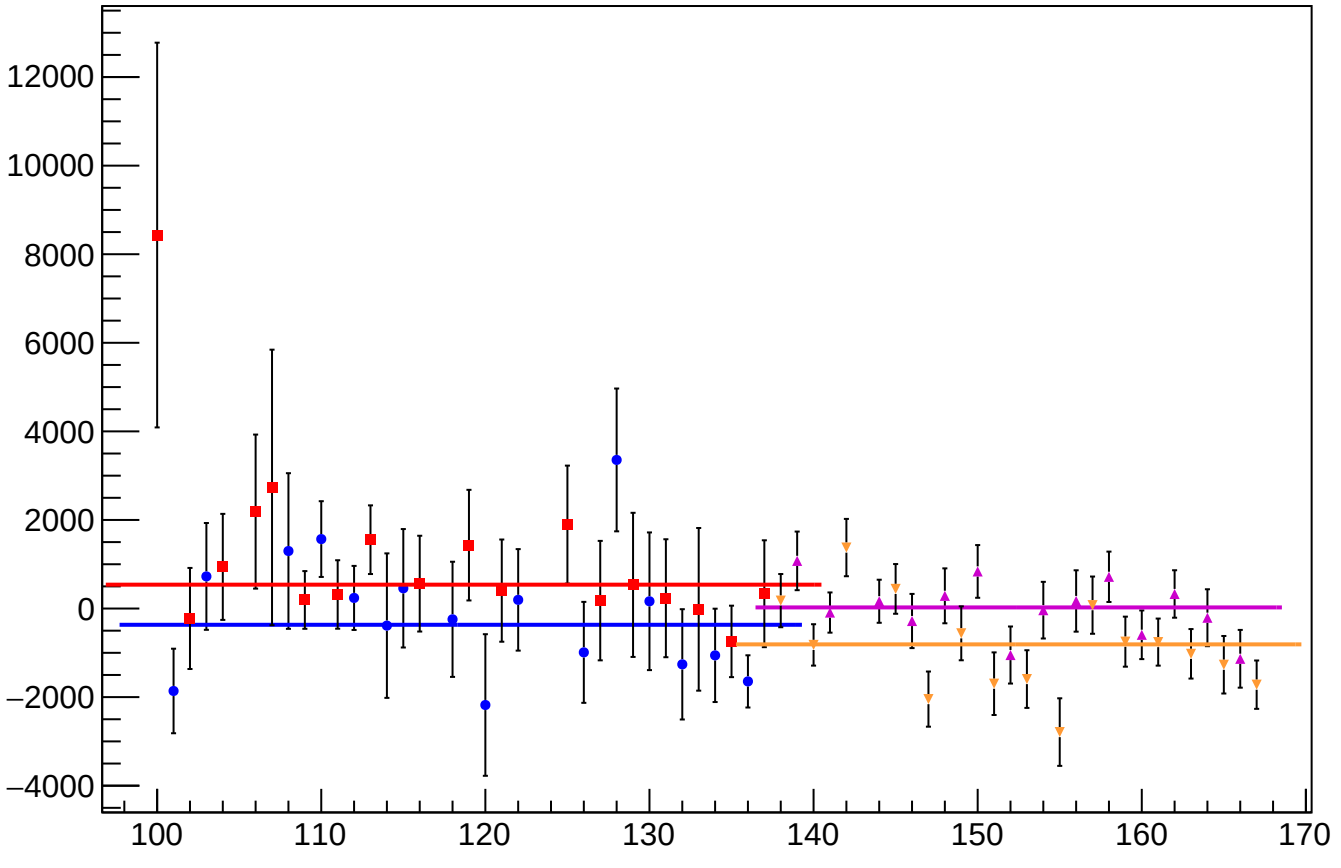
Left: 777.503+/-0.114 χ^2/NDF: 3699.1/28

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.944+/-0.127 χ^2/NDF:14372.3/29

Out: 778.763+/-0.126 χ^2/NDF:9336.8/32

All: 778.357+/-0.089 χ^2/NDF: 23730.1/62



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -809.188+/-153.821 χ^2/NDF:38.3/14

Right Out: 538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 25.144+/-156.045 χ^2/NDF:14.2/13

Left: -398.010+/-109.546 χ^2/NDF: 66.9/28

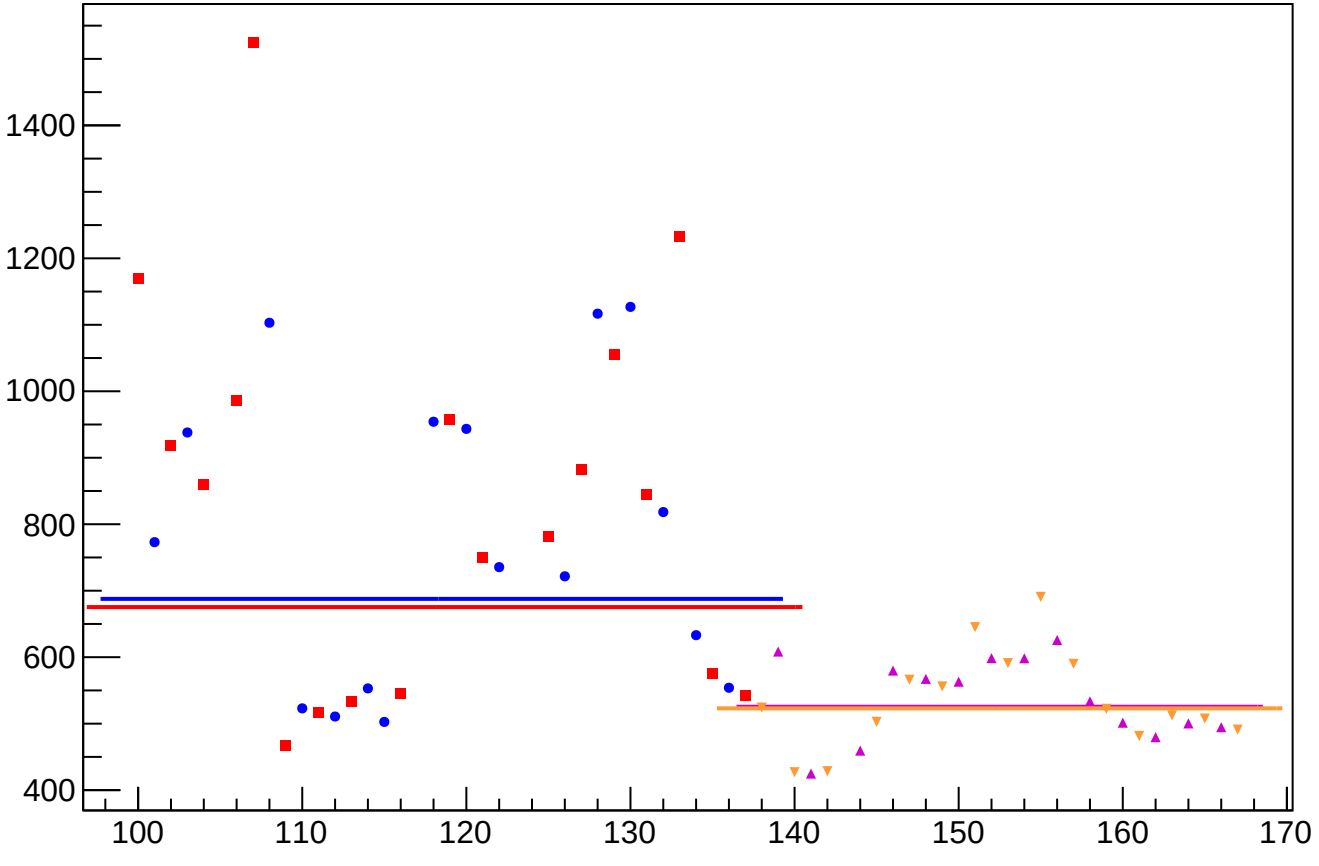
Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: -74.868+/-134.685 χ^2/NDF:39.1/29

Out: -465.403+/-132.767 χ^2/NDF:69.5/32

All: -272.937+/-94.551 χ^2/NDF: 112.9/62

asym_us_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 523.038+/-0.109 χ^2/NDF:365864.4/14

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 525.458+/-0.110 χ^2/NDF:319488.9/13

Left: 524.231+/-0.077 χ^2/NDF: 685597.2/28

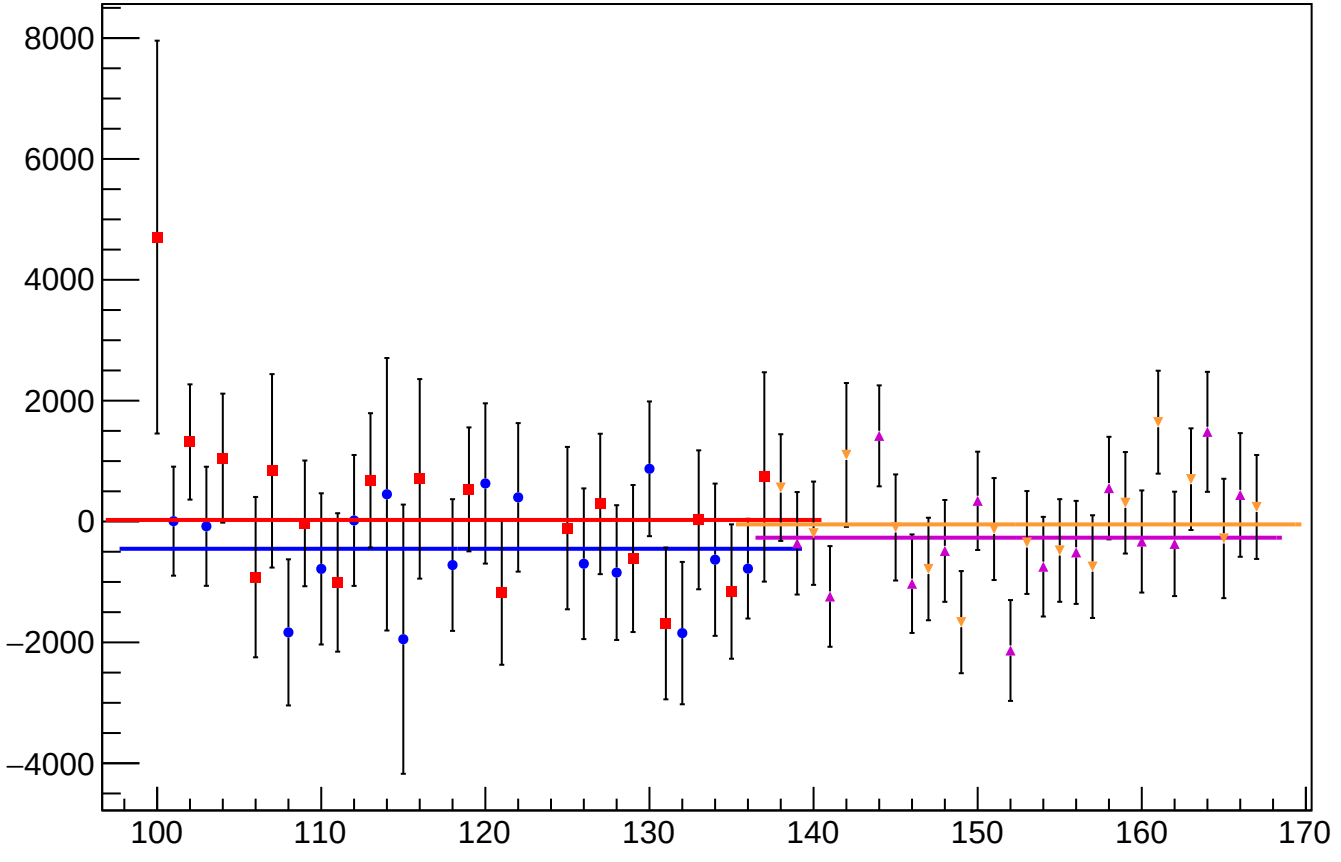
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 566.839+/-0.095 χ^2/NDF:1902894.7/29

Out: 561.896+/-0.094 χ^2/NDF:2179337.6/32

All: 564.332+/-0.067 χ^2/NDF: 4083598.7/62

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -47.477+/-225.946 χ^2/NDF:12.0/14

Right Out: 26.099+/-288.079 χ^2/NDF: 11.7/17

Left In: -267.530+/-228.986 χ^2/NDF:16.9/13

Left: -156.033+/-160.832 χ^2/NDF: 29.4/28

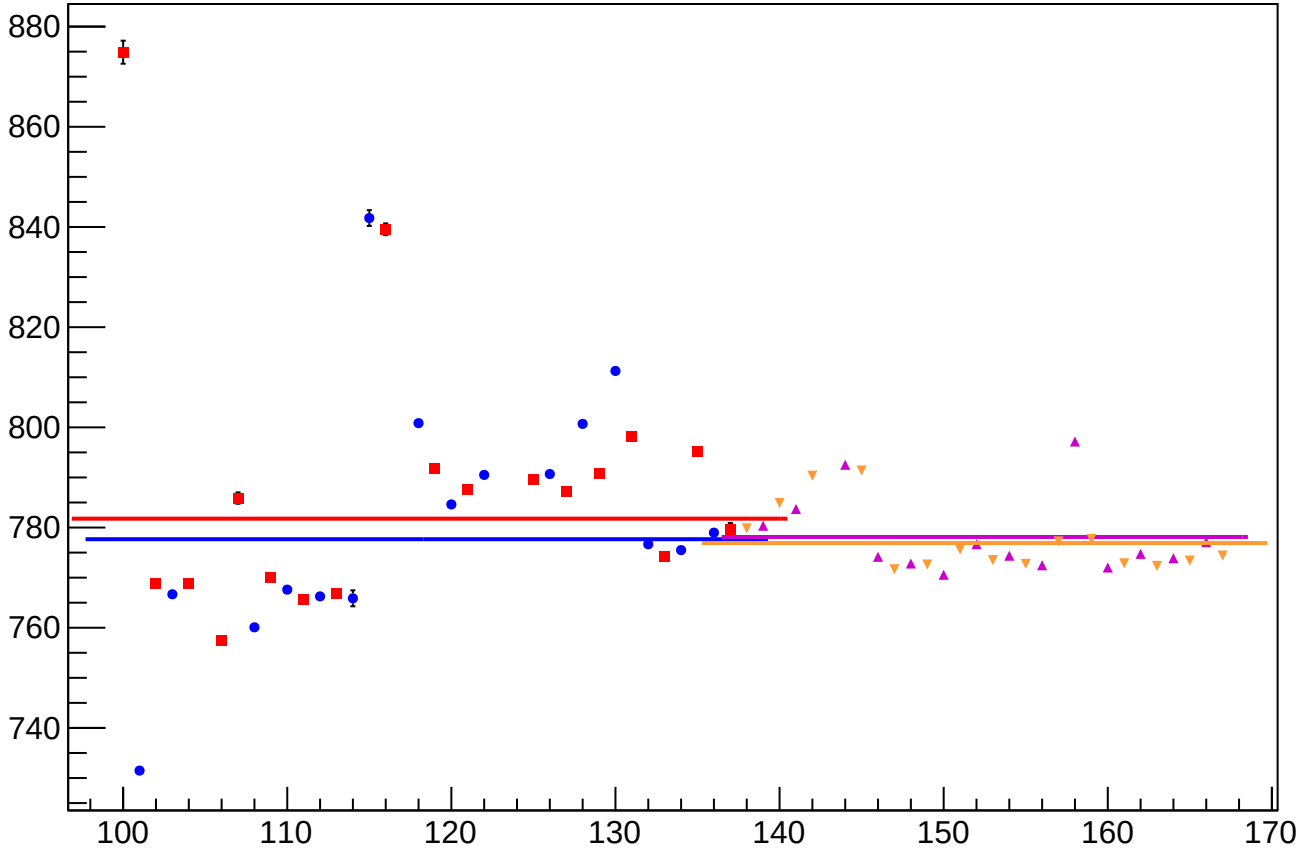
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -338.287+/-179.465 χ^2/NDF:24.1/29

Out: -19.454+/-177.786 χ^2/NDF:23.7/32

All: -177.372+/-126.303 χ^2/NDF: 49.4/62

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 776.909+/-0.160 χ^2/NDF:1356.9/14

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.114+/-0.162 χ^2/NDF:2314.1/13

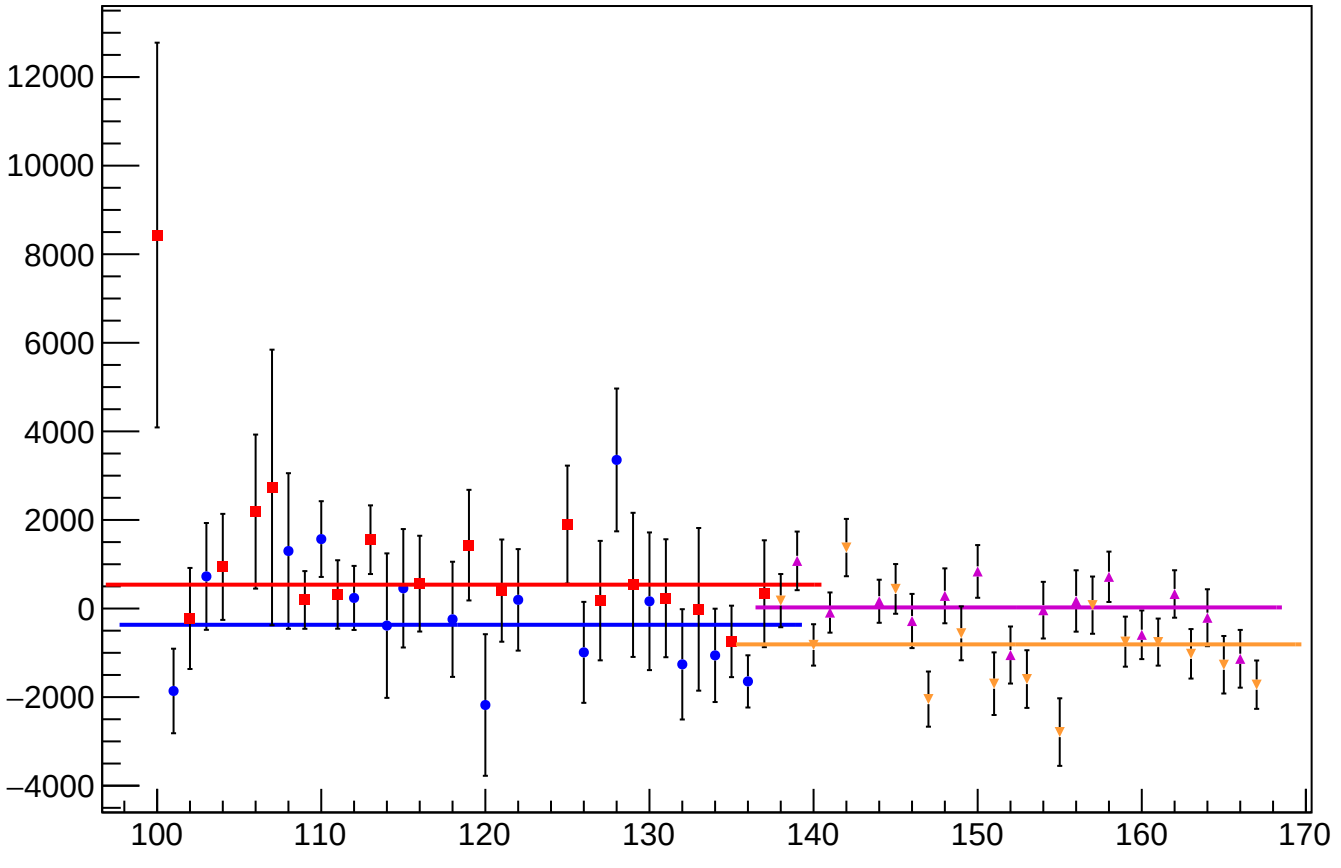
Left: 777.503+/-0.114 χ^2/NDF: 3699.1/28

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.944+/-0.127 χ^2/NDF:14372.3/29

Out: 778.763+/-0.126 χ^2/NDF:9336.8/32

All: 778.357+/-0.089 χ^2/NDF: 23730.1/62



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -809.188+/-153.821 χ^2/NDF:38.3/14

Right Out: 538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 25.144+/-156.045 χ^2/NDF:14.2/13

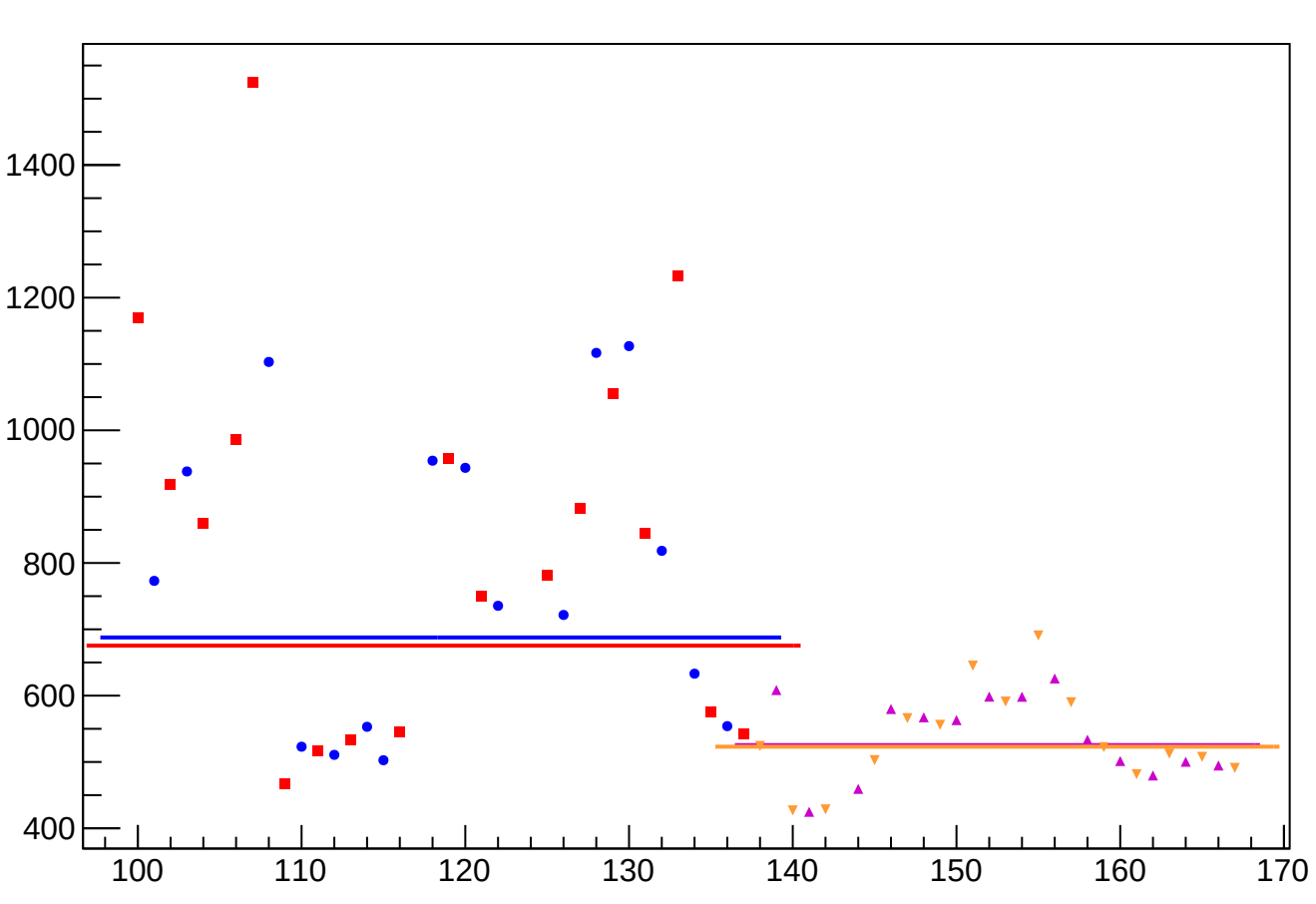
Left: -398.010+/-109.546 χ^2/NDF: 66.9/28

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: -74.868+/-134.685 χ^2/NDF:39.1/29

Out: -465.403+/-132.767 χ^2/NDF:69.5/32

All: -272.937+/-94.551 χ^2/NDF: 112.9/62



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 523.038+/-0.109 χ^2/NDF:365864.4/14

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 525.458+/-0.110 χ^2/NDF:319488.9/13

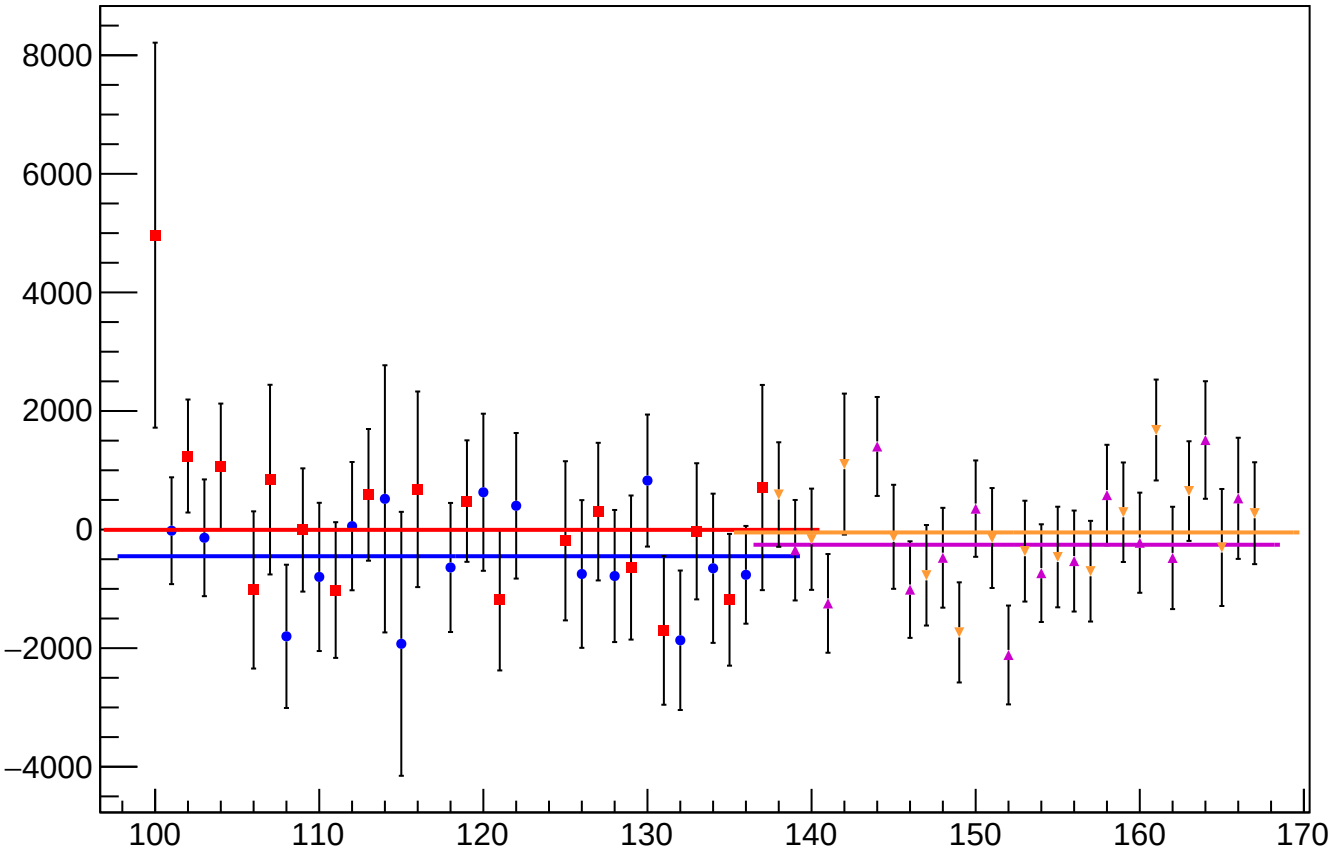
Left: 524.231+/-0.077 χ^2/NDF: 685597.2/28

Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 566.839+/-0.095 χ^2/NDF:1902894.7/29

Out: 561.896+/-0.094 χ^2/NDF:2179337.6/32

All: 564.332+/-0.067 χ^2/NDF: 4083598.7/62



Right In: -449.430+/-288.668 χ^2/NDF: 6.8/15

Left Out: -48.285+/-225.738 χ^2/NDF:12.4/14

Right Out: -4.645+/-287.815 χ^2/NDF: 11.8/17

Left In: -255.960+/-228.783 χ^2/NDF:17.1/13

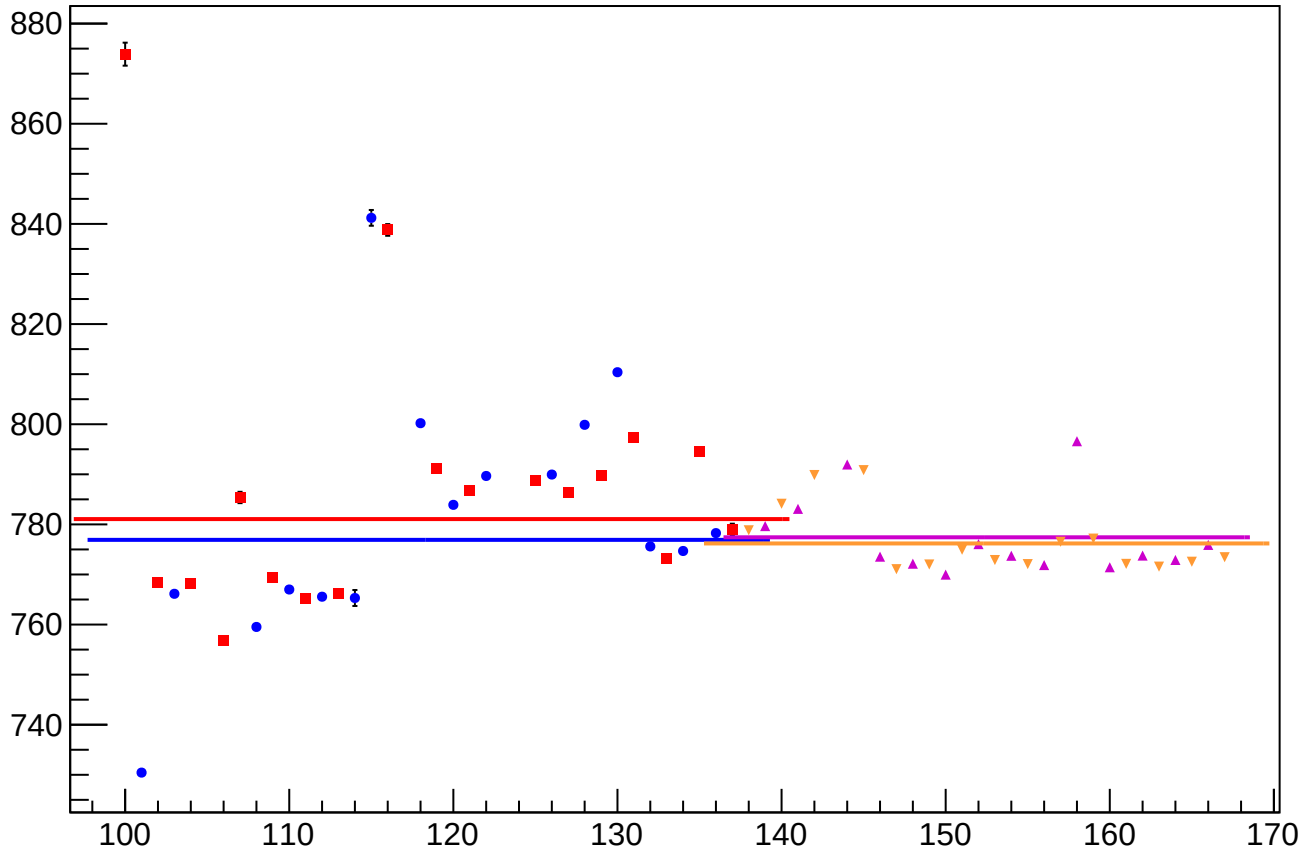
Left: -150.732+/-160.687 χ^2/NDF: 29.9/28

Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

In: -330.601+/-179.299 χ^2/NDF:24.1/29

Out: -31.664+/-177.623 χ^2/NDF:24.2/32

All: -179.728+/-126.187 χ^2/NDF: 49.7/62



Right In: 776.913+/-0.204 χ^2/NDF: 12123.6/15

Left Out: 776.194+/-0.160 χ^2/NDF:1373.3/14

Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 777.423+/-0.162 χ^2/NDF:2341.4/13

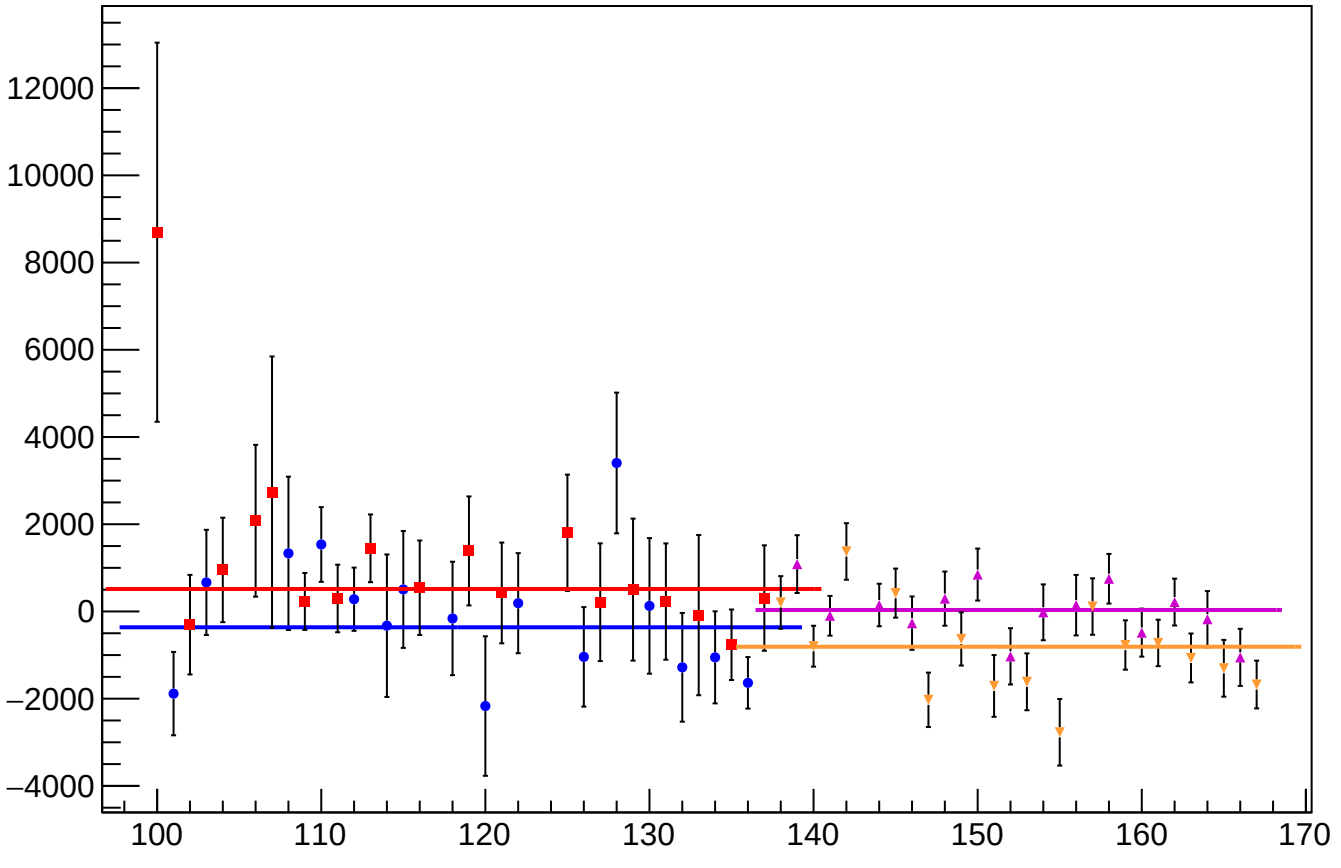
Left: 776.800+/-0.114 χ^2/NDF: 3743.9/28

Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.226+/-0.127 χ^2/NDF:14468.8/29

Out: 778.048+/-0.126 χ^2/NDF:9313.1/32

All: 777.641+/-0.089 χ^2/NDF: 23803.1/62



Right In: -362.811+/-267.086 χ^2/NDF: 23.4/15

Left Out: -809.120+/-154.156 χ^2/NDF:37.9/14

Right Out: 515.295+/-263.302 χ^2/NDF: 11.4/17

Left In: 34.172+/-156.370 χ^2/NDF:13.1/13

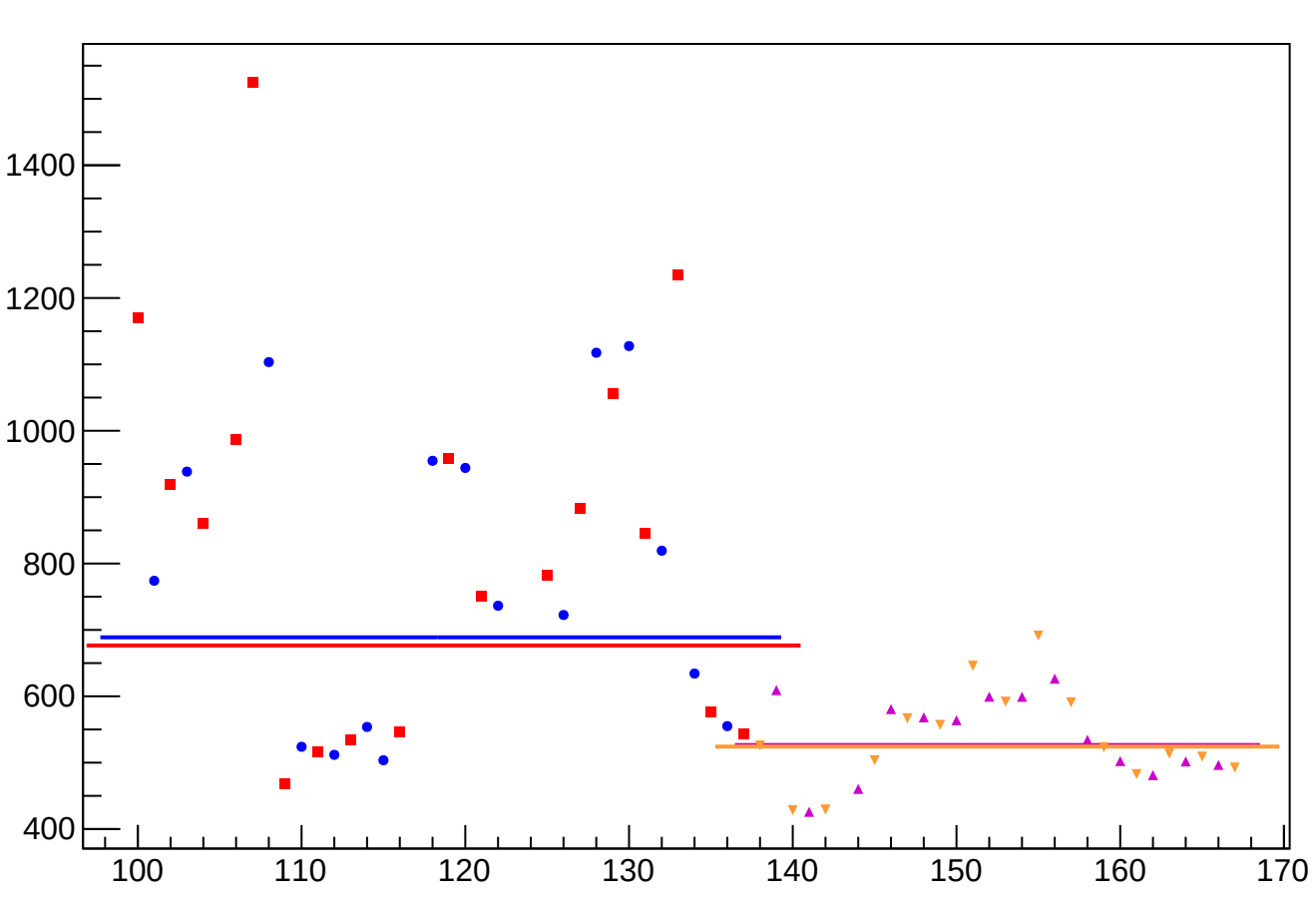
Left: -393.487+/-109.779 χ^2/NDF: 65.8/28

Right: 82.506+/-187.506 χ^2/NDF: 40.2/33

In: -67.167+/-134.944 χ^2/NDF:38.2/29

Out: -471.031+/-133.033 χ^2/NDF:68.2/32

All: -271.979+/-94.737 χ^2/NDF: 110.9/62



Right In: 688.828+/-0.189 χ^2/NDF: 1028118.5/15

Left Out: 524.227+/-0.109 χ^2/NDF:362633.2/14

Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

Left In: 526.593+/-0.111 χ^2/NDF:316557.3/13

Left: 525.393+/-0.078 χ^2/NDF: 679422.7/28

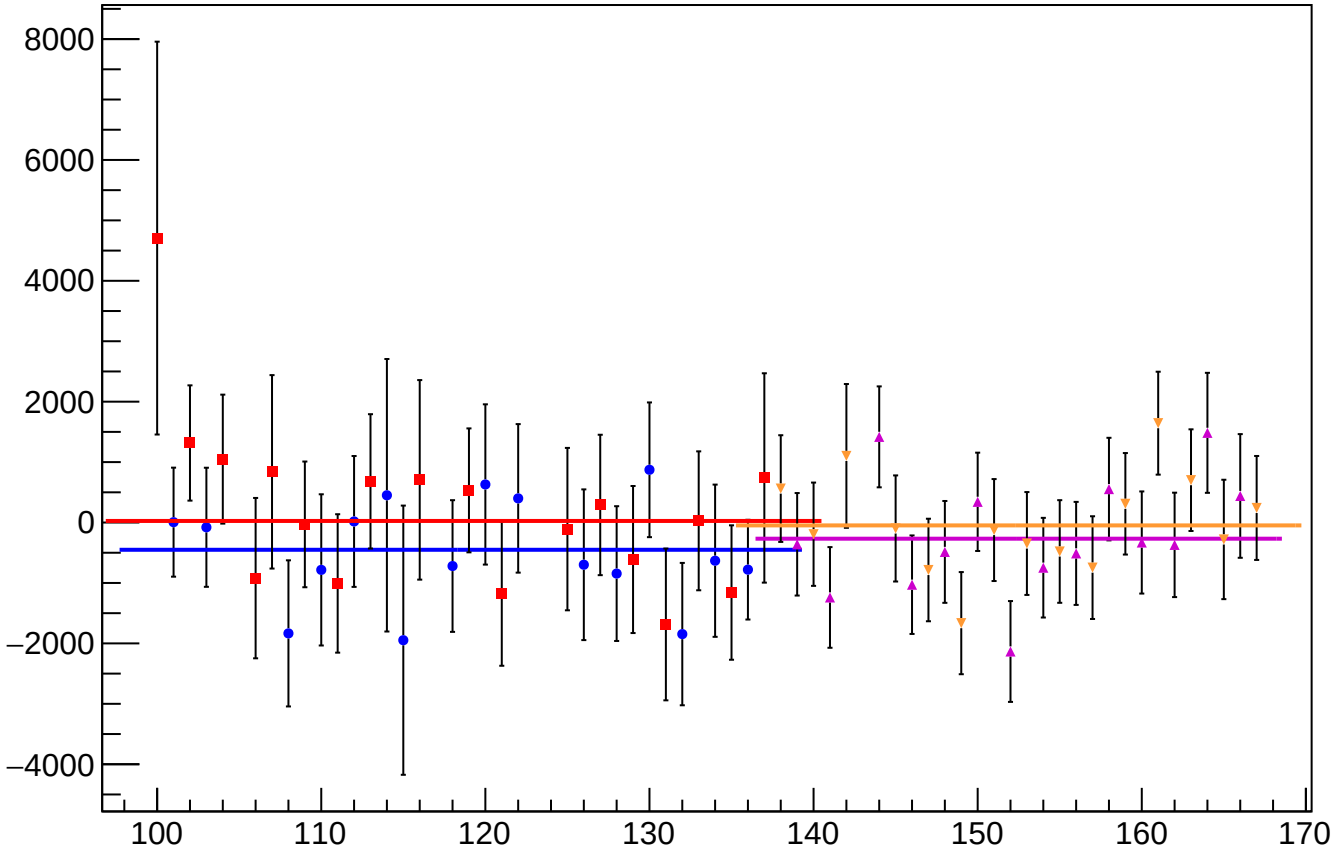
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 568.007+/-0.095 χ^2/NDF:1894239.9/29

Out: 563.117+/-0.094 χ^2/NDF:2169294.7/32

All: 565.527+/-0.067 χ^2/NDF: 4064866.7/62

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -47.477+/-225.946 χ^2/NDF:12.0/14

Right Out: 26.099+/-288.079 χ^2/NDF: 11.7/17

Left In: -267.530+/-228.986 χ^2/NDF:16.9/13

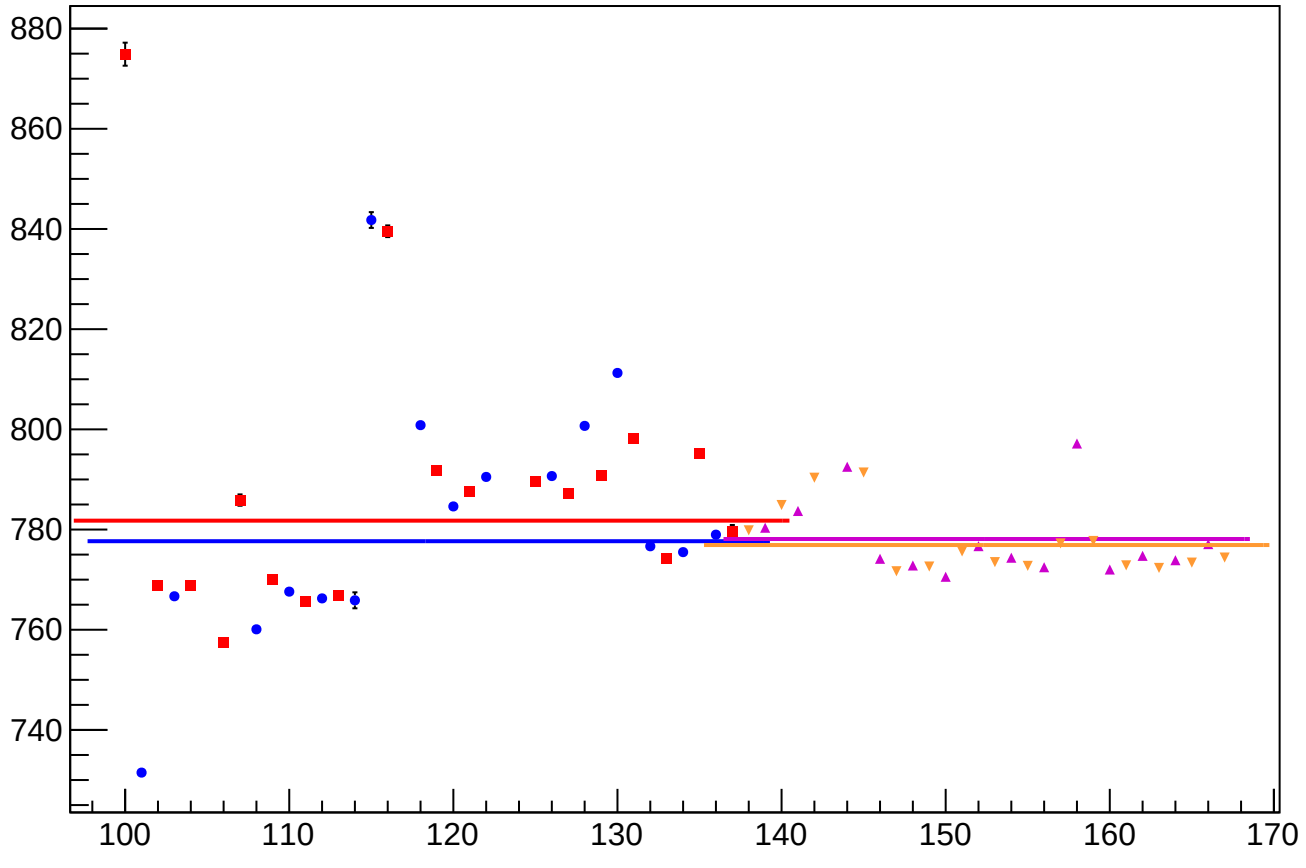
Left: -156.033+/-160.832 χ^2/NDF: 29.4/28

Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -338.287+/-179.465 χ^2/NDF:24.1/29

Out: -19.454+/-177.786 χ^2/NDF:23.7/32

All: -177.372+/-126.303 χ^2/NDF: 49.4/62



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 776.909+/-0.160 χ^2/NDF:1356.9/14

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.114+/-0.162 χ^2/NDF:2314.1/13

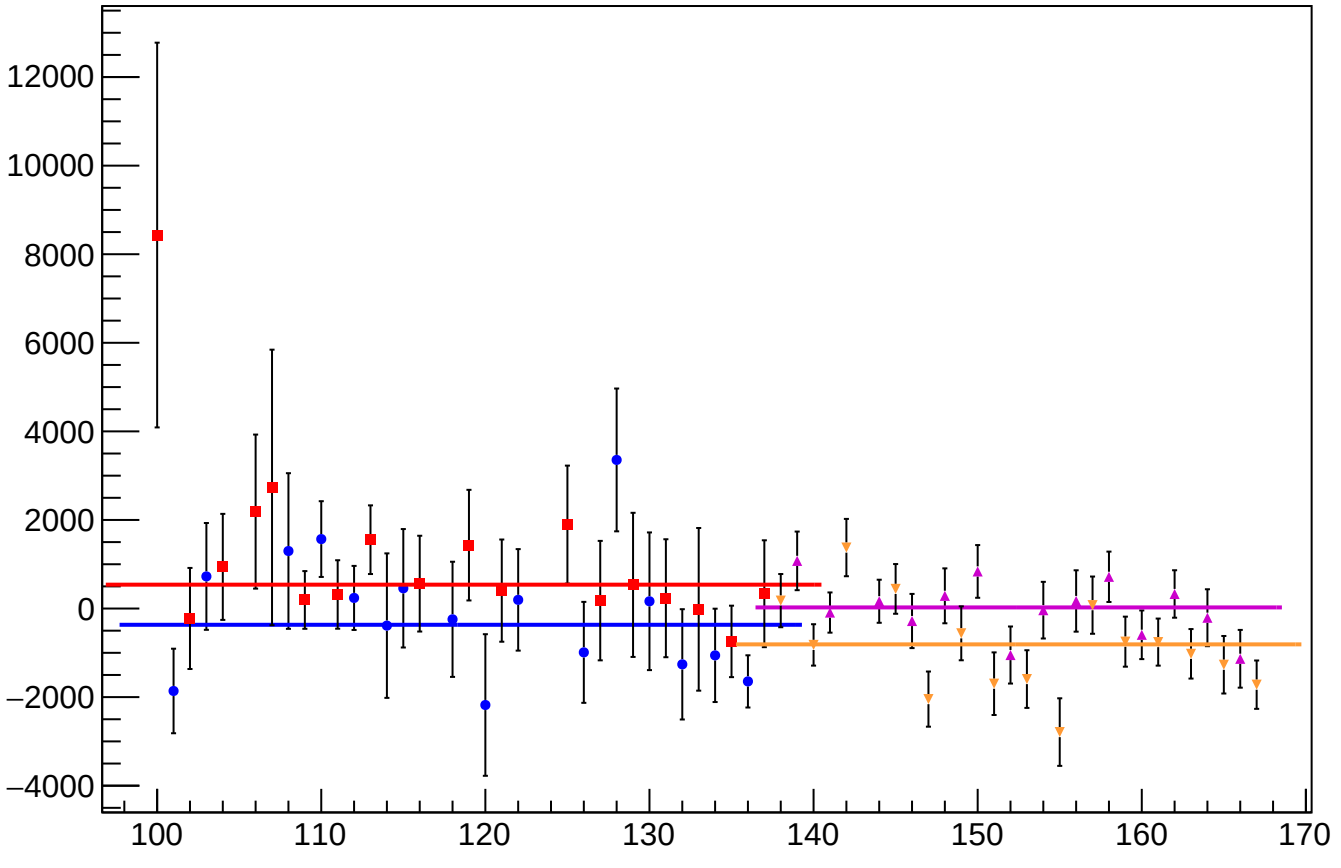
Left: 777.503+/-0.114 χ^2/NDF: 3699.1/28

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.944+/-0.127 χ^2/NDF:14372.3/29

Out: 778.763+/-0.126 χ^2/NDF:9336.8/32

All: 778.357+/-0.089 χ^2/NDF: 23730.1/62



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -809.188+/-153.821 χ^2/NDF:38.3/14

Right Out: 538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 25.144+/-156.045 χ^2/NDF:14.2/13

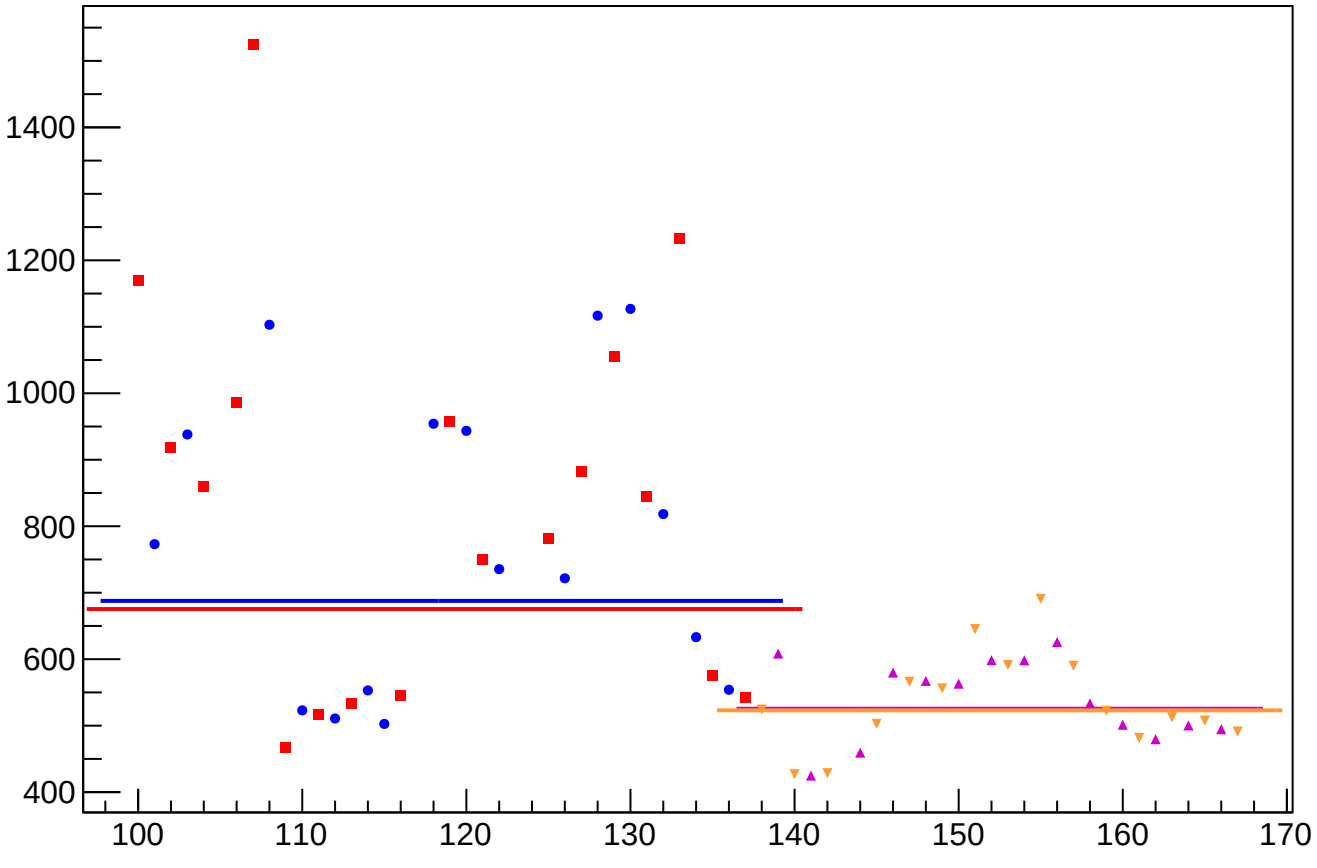
Left: -398.010+/-109.546 χ^2/NDF: 66.9/28

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: -74.868+/-134.685 χ^2/NDF:39.1/29

Out: -465.403+/-132.767 χ^2/NDF:69.5/32

All: -272.937+/-94.551 χ^2/NDF: 112.9/62



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 523.038+/-0.109 χ^2/NDF:365864.4/14

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 525.458+/-0.110 χ^2/NDF:319488.9/13

Left: 524.231+/-0.077 χ^2/NDF: 685597.2/28

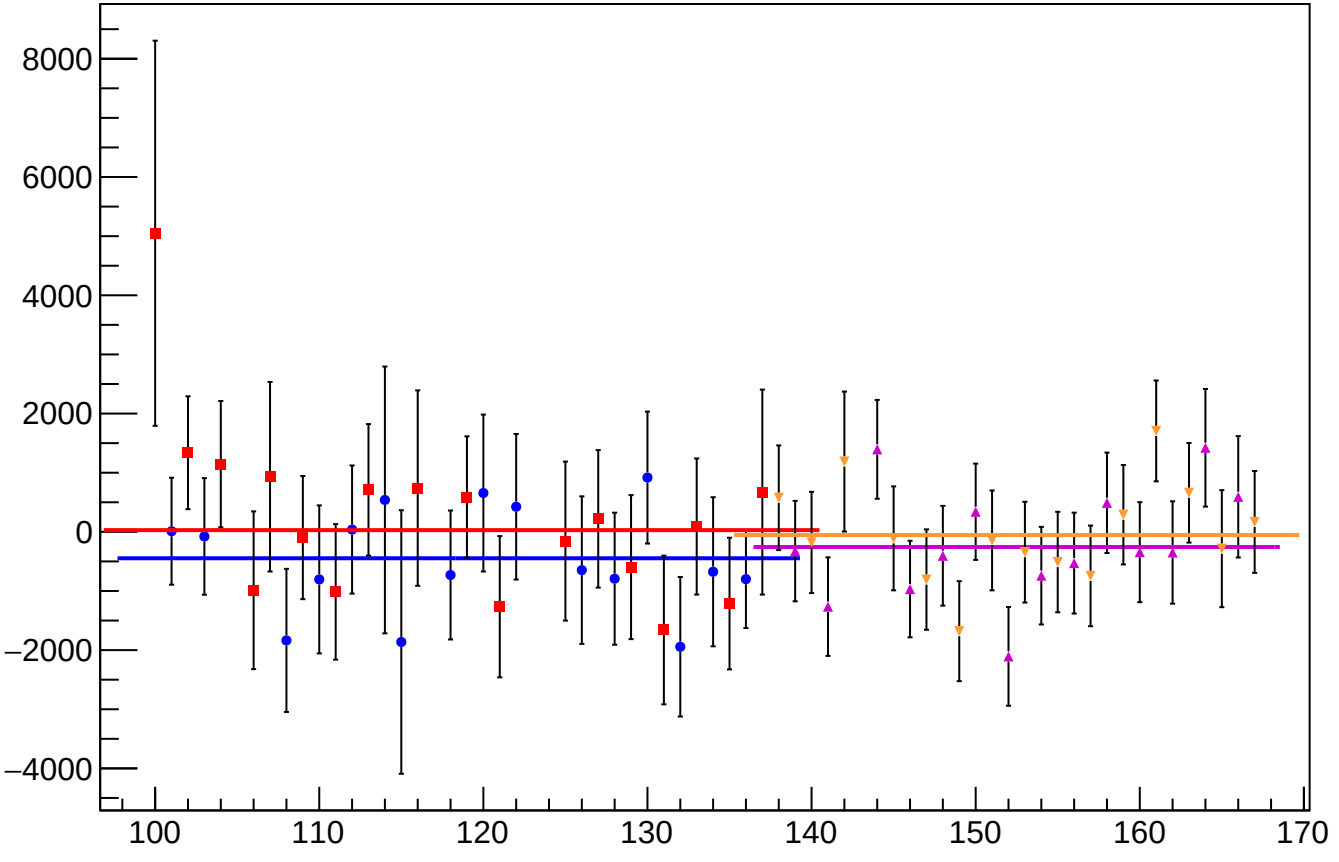
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 566.839+/-0.095 χ^2/NDF:1902894.7/29

Out: 561.896+/-0.094 χ^2/NDF:2179337.6/32

All: 564.332+/-0.067 χ^2/NDF: 4083598.7/62

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -54.220+/-226.140 χ^2/NDF:12.5/14

Right Out: 28.787+/-288.372 χ^2/NDF: 12.6/17

Left In: -256.506+/-229.210 χ^2/NDF:16.4/13

Left: -153.999+/-160.980 χ^2/NDF: 29.2/28

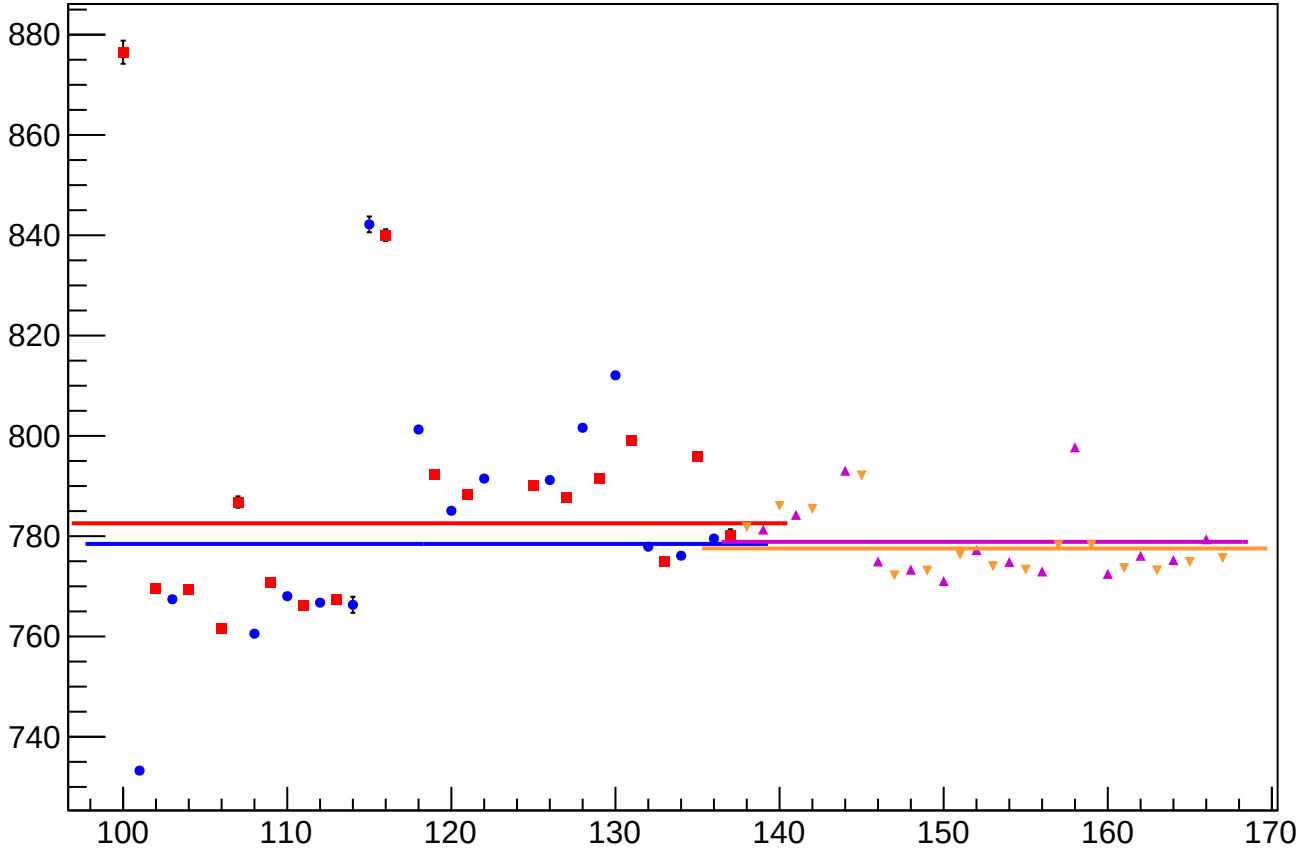
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -329.856+/-179.642 χ^2/NDF:23.9/29

Out: -22.611+/-177.949 χ^2/NDF:25.1/32

All: -174.780+/-126.423 χ^2/NDF: 50.6/62

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 777.550+/-0.160 χ^2/NDF:1227.7/14

Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.874+/-0.162 χ^2/NDF:2290.5/13

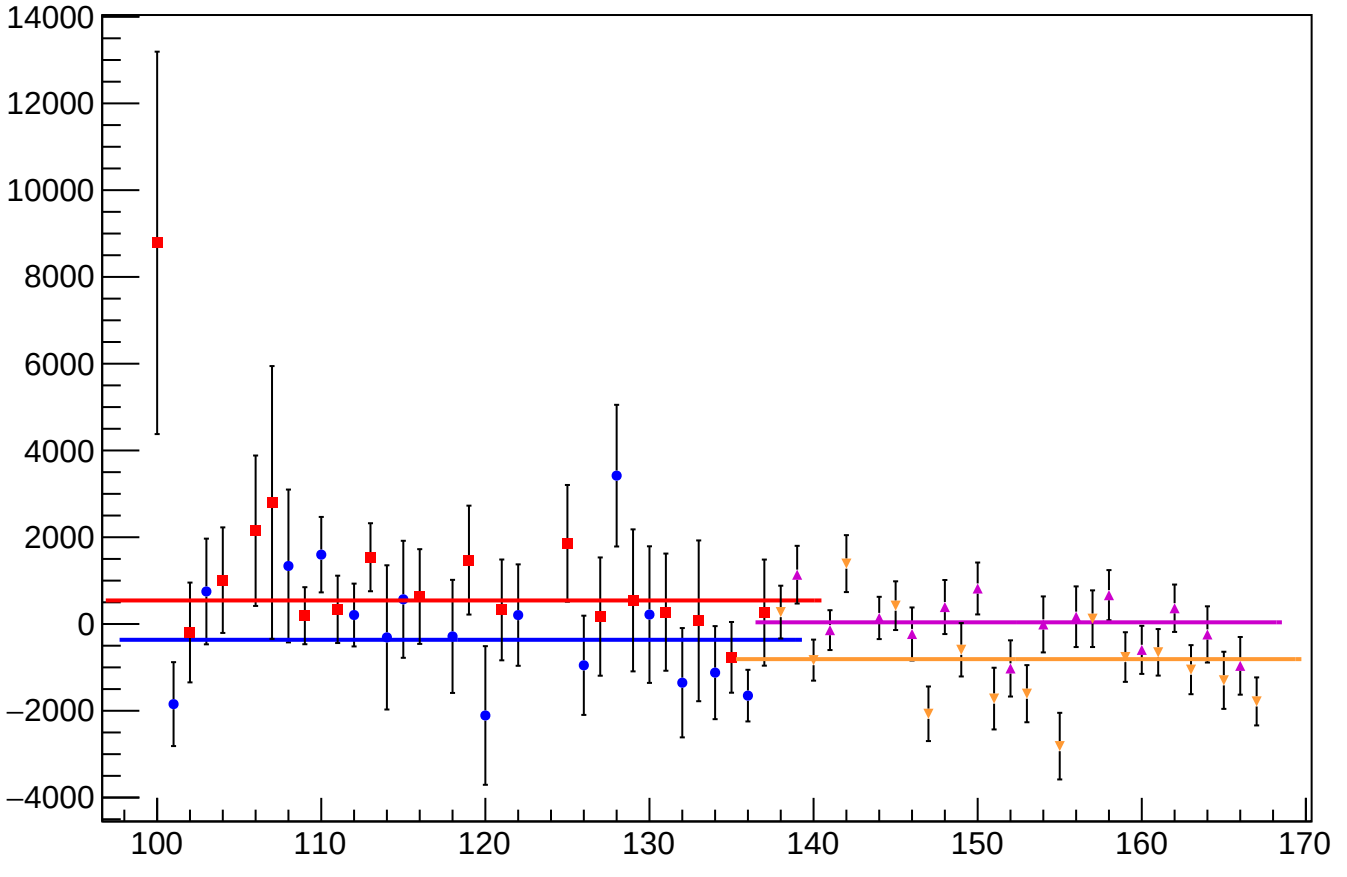
Left: 778.203+/-0.114 χ^2/NDF: 3552.0/28

Right: 780.522+/-0.144 χ^2/NDF: 19480.1/33

In: 778.713+/-0.127 χ^2/NDF:14088.3/29

Out: 779.463+/-0.126 χ^2/NDF:9085.2/32

All: 779.092+/-0.089 χ^2/NDF: 23191.1/62



Right In: -363.977+/-269.316 χ^2/NDF: 23.3/15

Left Out: -809.495+/-155.425 χ^2/NDF:39.3/14

Right Out: 542.879+/-265.273 χ^2/NDF: 11.8/17

Left In: 38.910+/-157.442 χ^2/NDF:13.2/13

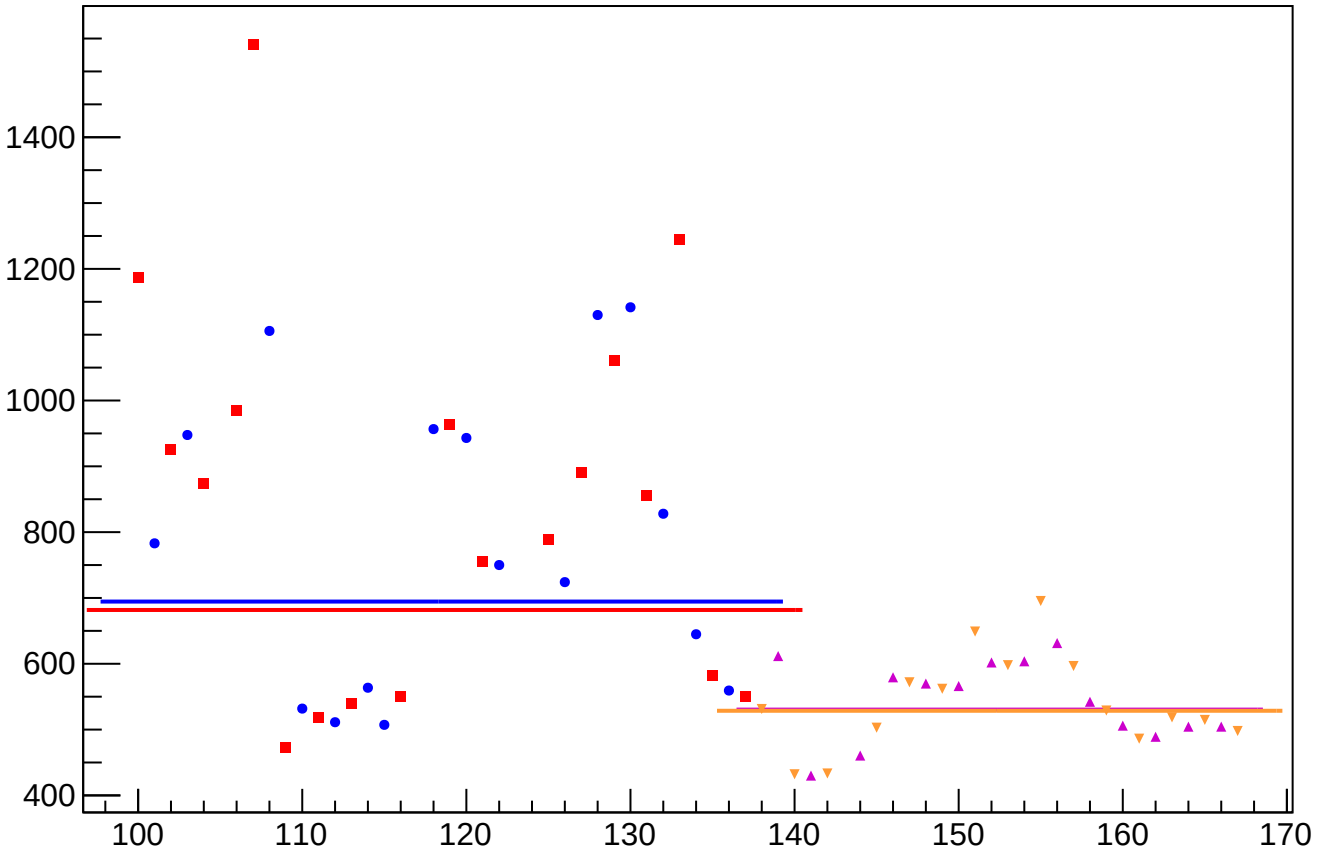
Left: -390.761+/-110.608 χ^2/NDF: 67.1/28

Right: 96.308+/-188.989 χ^2/NDF: 40.8/33

In: -63.709+/-135.920 χ^2/NDF:38.1/29

Out: -463.886+/-134.103 χ^2/NDF:70.4/32

All: -266.491+/-95.461 χ^2/NDF: 112.9/62



Right In: 694.522+/-0.190 χ^2/NDF: 1029884.9/15

Left Out: 528.598+/-0.110 χ^2/NDF:360744.1/14

Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 530.363+/-0.111 χ^2/NDF:309005.1/13

Left: 529.469+/-0.078 χ^2/NDF: 669876.5/28

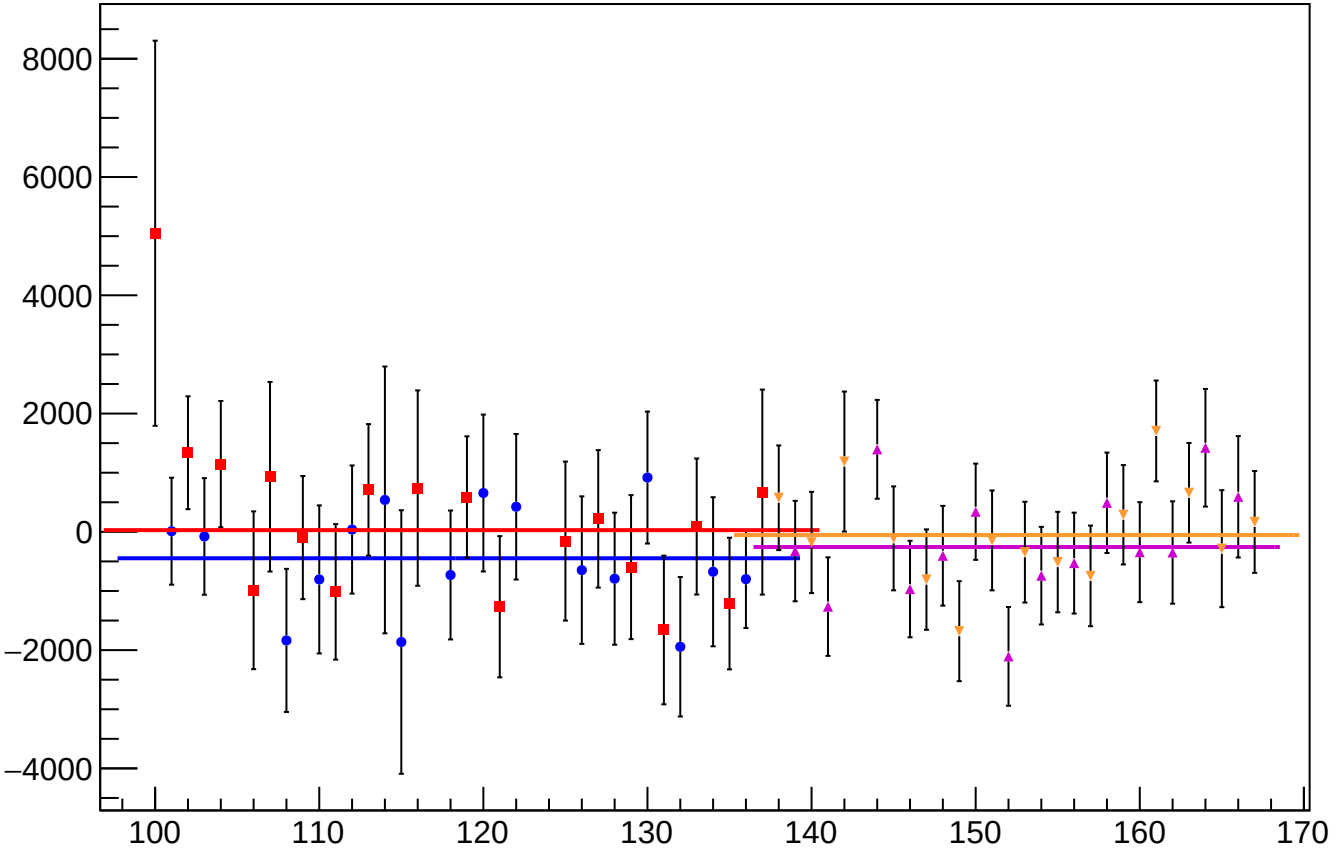
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

In: 572.176+/-0.096 χ^2/NDF:1892703.1/29

Out: 567.736+/-0.095 χ^2/NDF:2168295.6/32

All: 569.926+/-0.068 χ^2/NDF: 4062080.2/62

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -54.221+/-226.140 χ^2/NDF:12.5/14

Right Out: 28.786+/-288.372 χ^2/NDF: 12.6/17

Left In: -256.505+/-229.210 χ^2/NDF:16.4/13

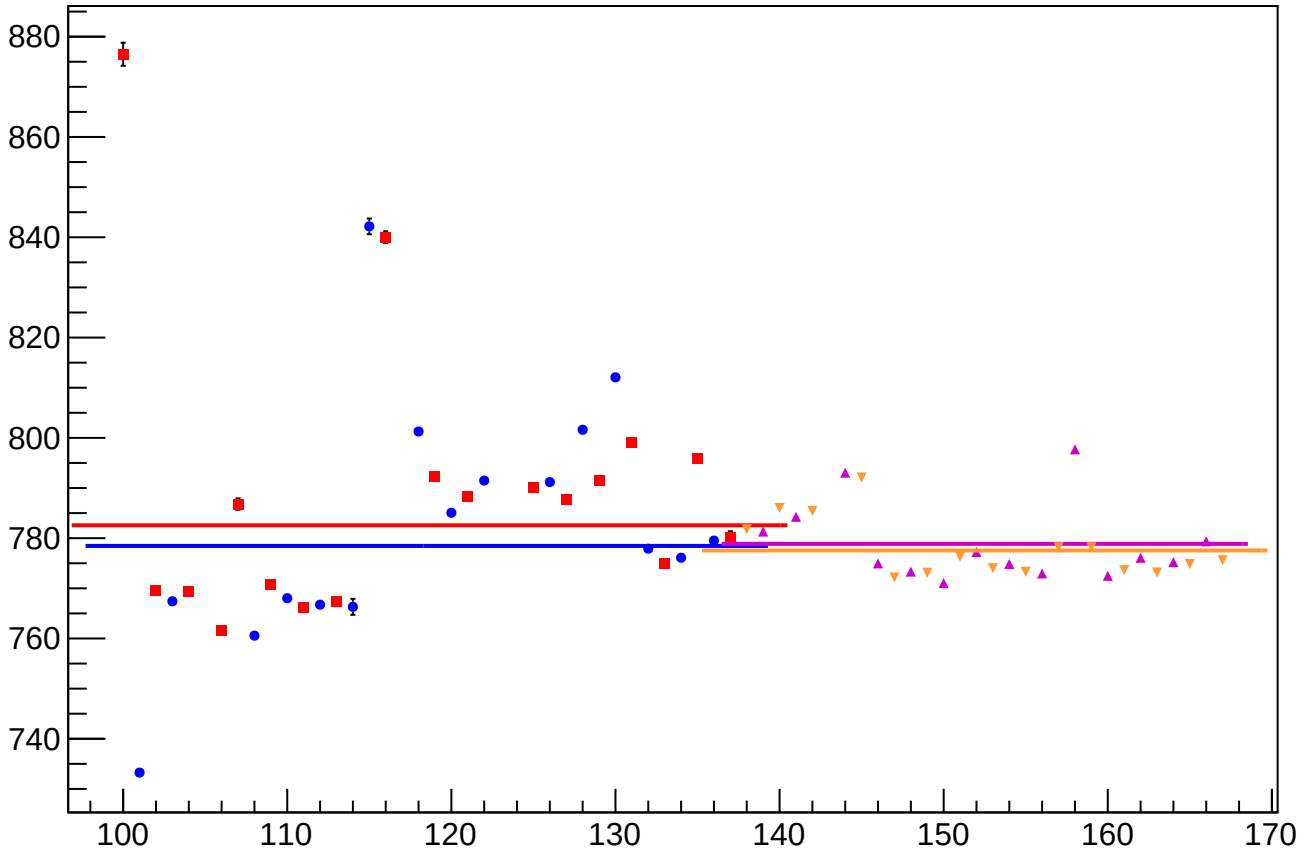
Left: -153.999+/-160.980 χ^2/NDF: 29.2/28

Right: -208.224+/-204.216 χ^2/NDF: 21.3/33

In: -329.856+/-179.642 χ^2/NDF:23.9/29

Out: -22.613+/-177.949 χ^2/NDF:25.1/32

All: -174.780+/-126.423 χ^2/NDF: 50.6/62



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 777.550+/-0.160 χ^2/NDF:1227.7/14

Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.874+/-0.162 χ^2/NDF:2290.5/13

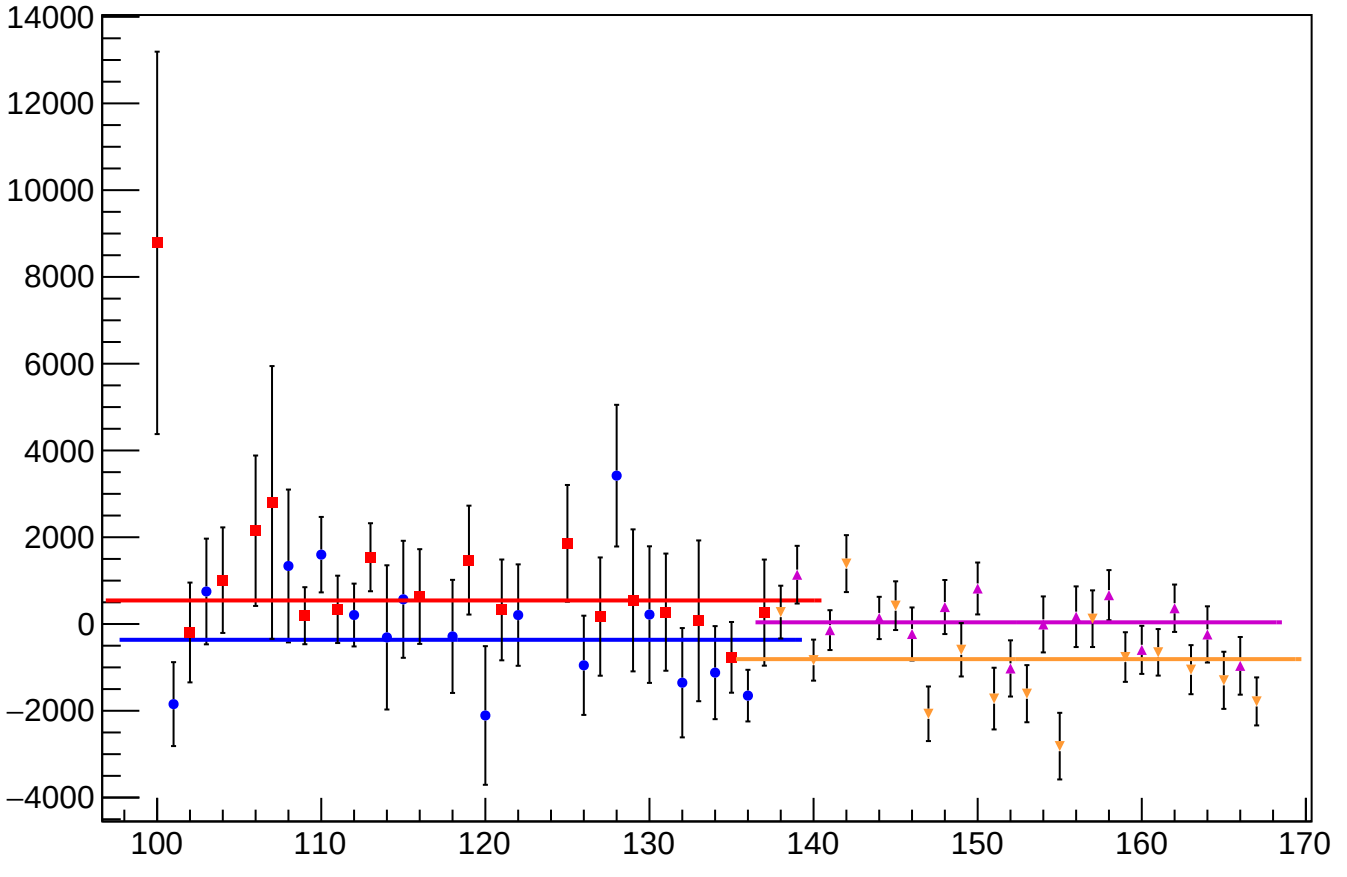
Left: 778.203+/-0.114 χ^2/NDF: 3552.0/28

Right: 780.522+/-0.144 χ^2/NDF: 19480.0/33

In: 778.713+/-0.127 χ^2/NDF:14088.2/29

Out: 779.463+/-0.126 χ^2/NDF:9085.2/32

All: 779.092+/-0.089 χ^2/NDF: 23191.0/62



Right In: -363.973+/-269.314 χ^2/NDF: 23.3/15

Left Out: -809.495+/-155.425 χ^2/NDF:39.3/14

Right Out: 542.878+/-265.272 χ^2/NDF: 11.8/17

Left In: 38.908+/-157.442 χ^2/NDF:13.2/13

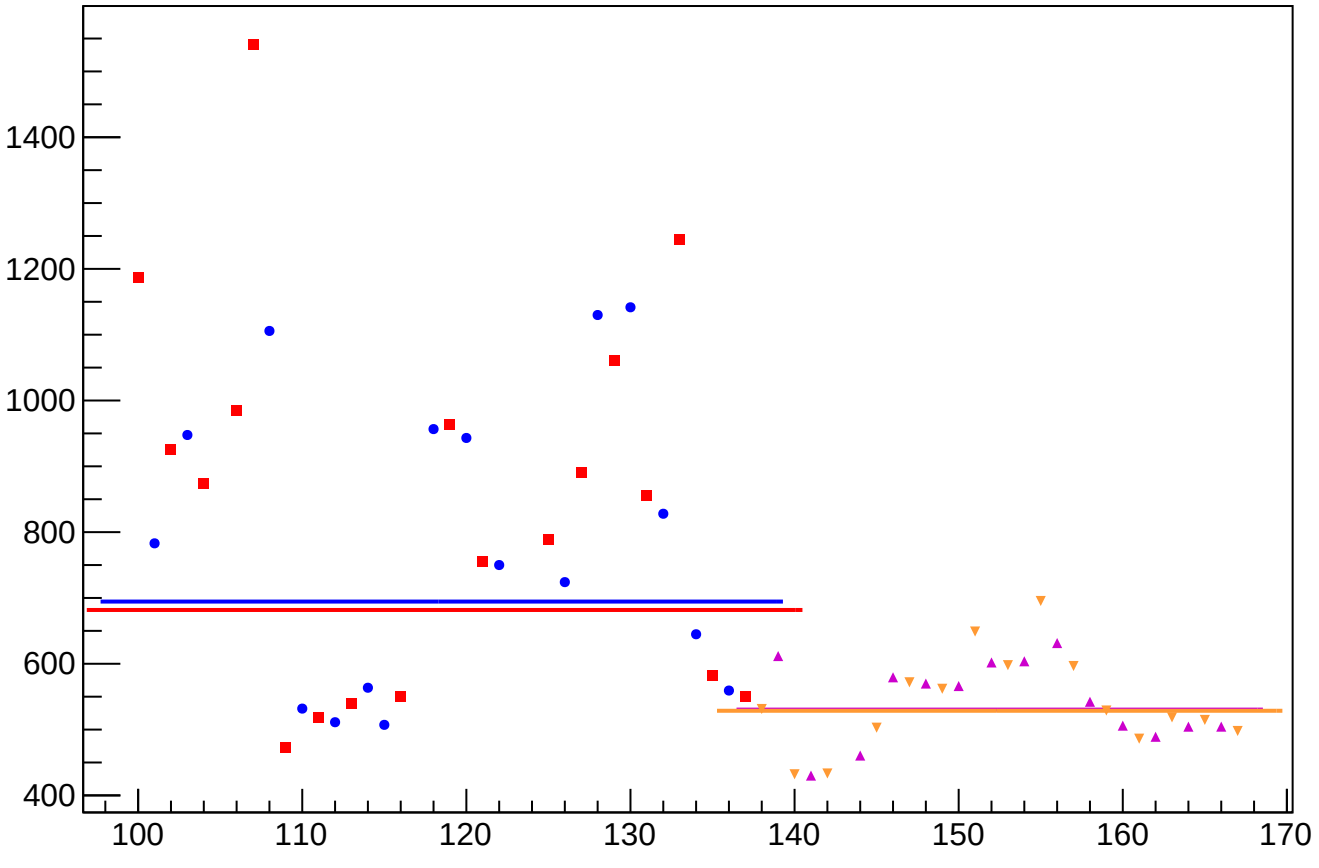
Left: -390.761+/-110.608 χ^2/NDF: 67.1/28

Right: 96.309+/-188.989 χ^2/NDF: 40.8/33

In: -63.710+/-135.920 χ^2/NDF:38.1/29

Out: -463.884+/-134.103 χ^2/NDF:70.4/32

All: -266.490+/-95.461 χ^2/NDF: 112.9/62



Right In: 694.519+/-0.190 χ^2/NDF: 1029897.1/15

Left Out: 528.598+/-0.110 χ^2/NDF:360756.6/14

Right Out: 681.740+/-0.188 χ^2/NDF: 1311342.6/17

Left In: 530.363+/-0.111 χ^2/NDF:309017.7/13

Left: 529.469+/-0.078 χ^2/NDF: 669901.6/28

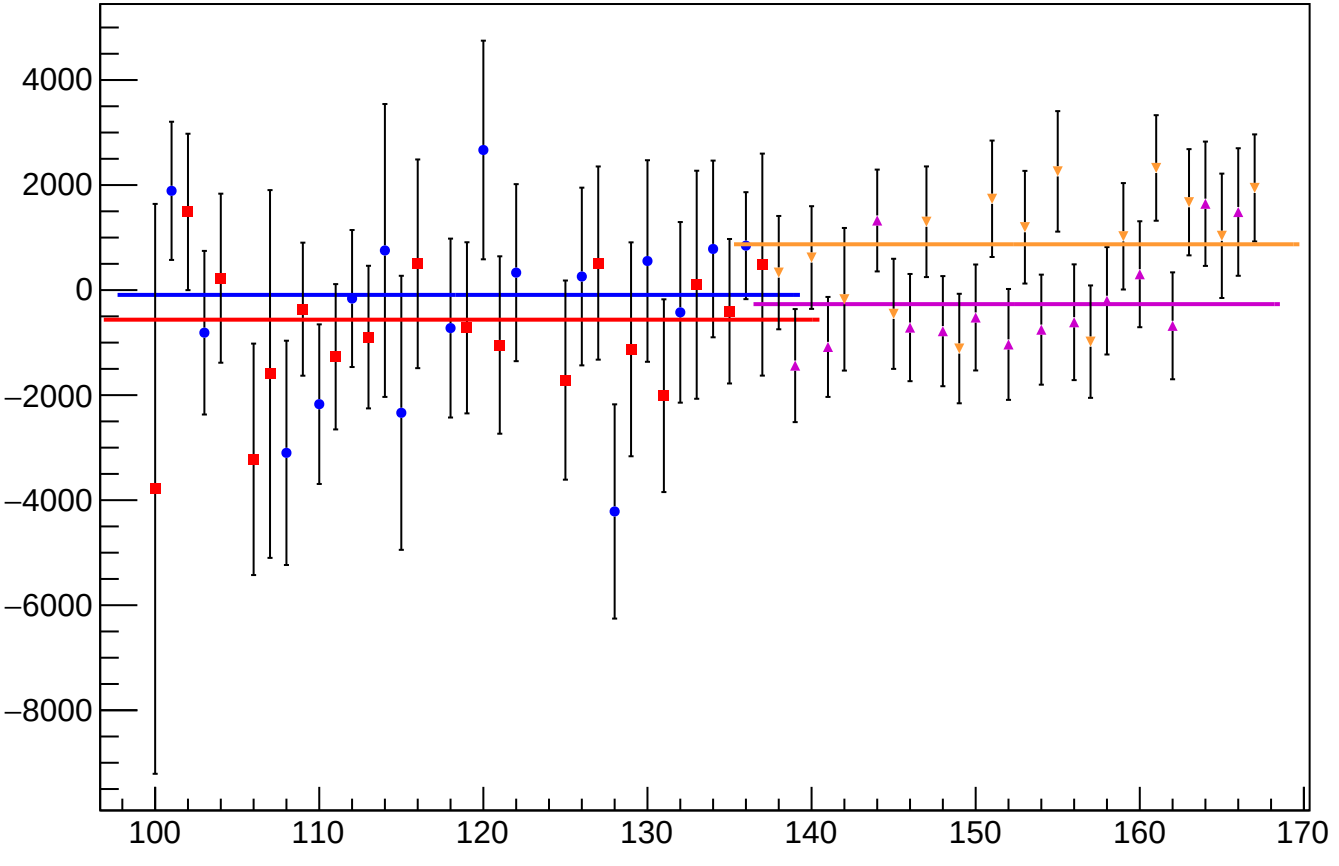
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 572.175+/-0.096 χ^2/NDF:1892706.8/29

Out: 567.735+/-0.095 χ^2/NDF:2168309.5/32

All: 569.925+/-0.068 χ^2/NDF: 4062098.0/62

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 872.301+/-276.165 χ^2/NDF:15.3/14

Right Out: -563.292+/-411.565 χ^2/NDF: 6.5/17

Left In: -267.351+/-279.400 χ^2/NDF:11.1/13

Left: 309.110+/-196.412 χ^2/NDF: 34.9/28

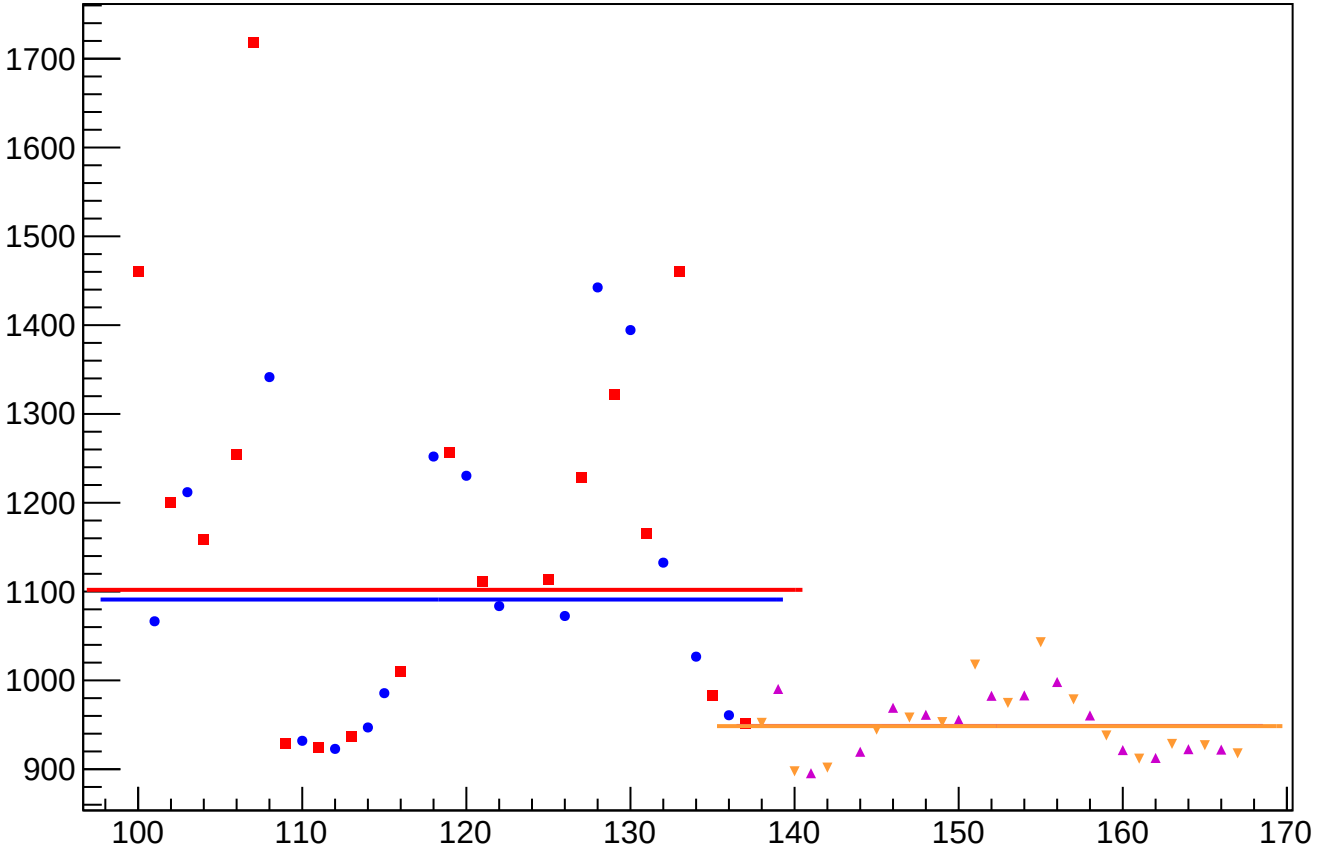
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -211.515+/-230.878 χ^2/NDF:25.8/29

Out: 426.597+/-229.322 χ^2/NDF:30.2/32

All: 109.698+/-162.703 χ^2/NDF: 59.9/62

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 948.503+/-0.195 χ^2/NDF:38302.8/14

Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 948.702+/-0.198 χ^2/NDF:26646.0/13

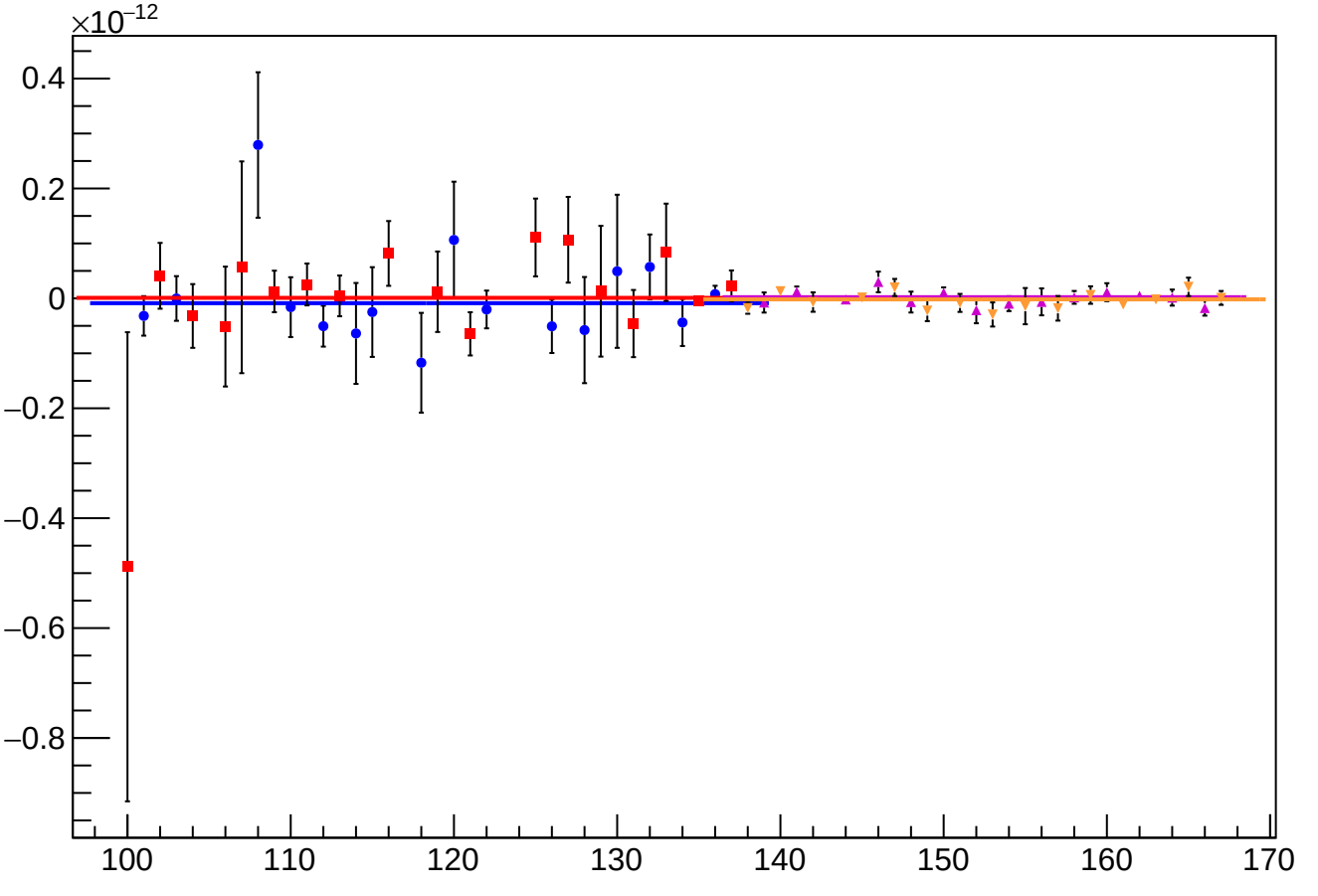
Left: 948.601+/-0.139 χ^2/NDF: 64949.3/28

Right: 1096.476+/-0.205 χ^2/NDF: 606118.2/33

In: 993.848+/-0.163 χ^2/NDF:468582.5/29

Out: 996.144+/-0.162 χ^2/NDF:558120.0/32

All: 995.004+/-0.115 χ^2/NDF: 1026802.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: 0.000+/-0.000 χ^2/NDF:9.1/13

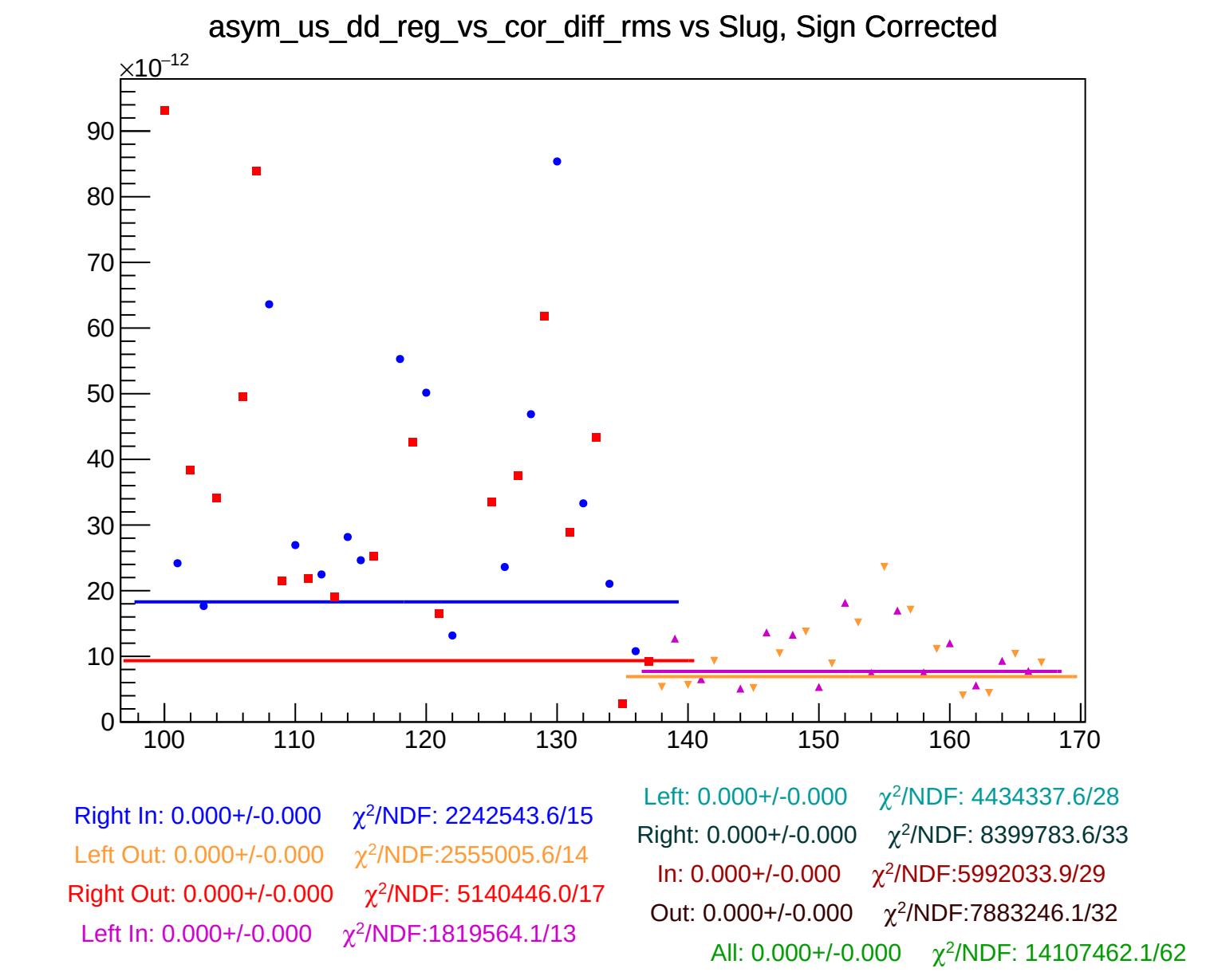
Left: 0.000+/-0.000 χ^2/NDF: 25.2/28

Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:23.9/29

Out: -0.000+/-0.000 χ^2/NDF:29.9/32

All: -0.000+/-0.000 χ^2/NDF: 54.1/62


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
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10
0
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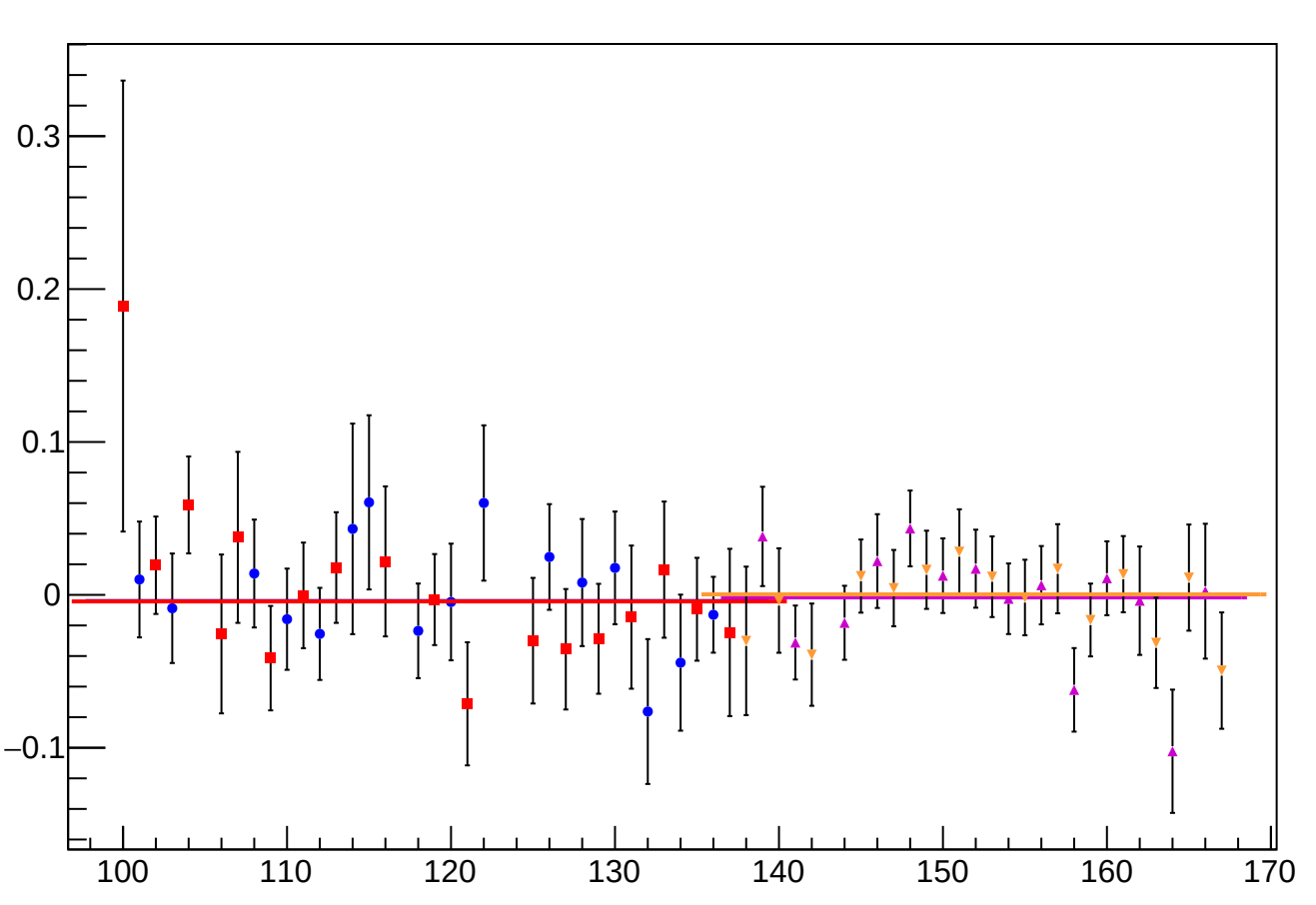
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2555005.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1819564.1/13
Left: 0.000+/-0.000 χ²/NDF: 4434337.6/28
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5992033.9/29
Out: 0.000+/-0.000 χ²/NDF:7883246.1/32
All: 0.000+/-0.000 χ²/NDF: 14107462.1/62


asym_us_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
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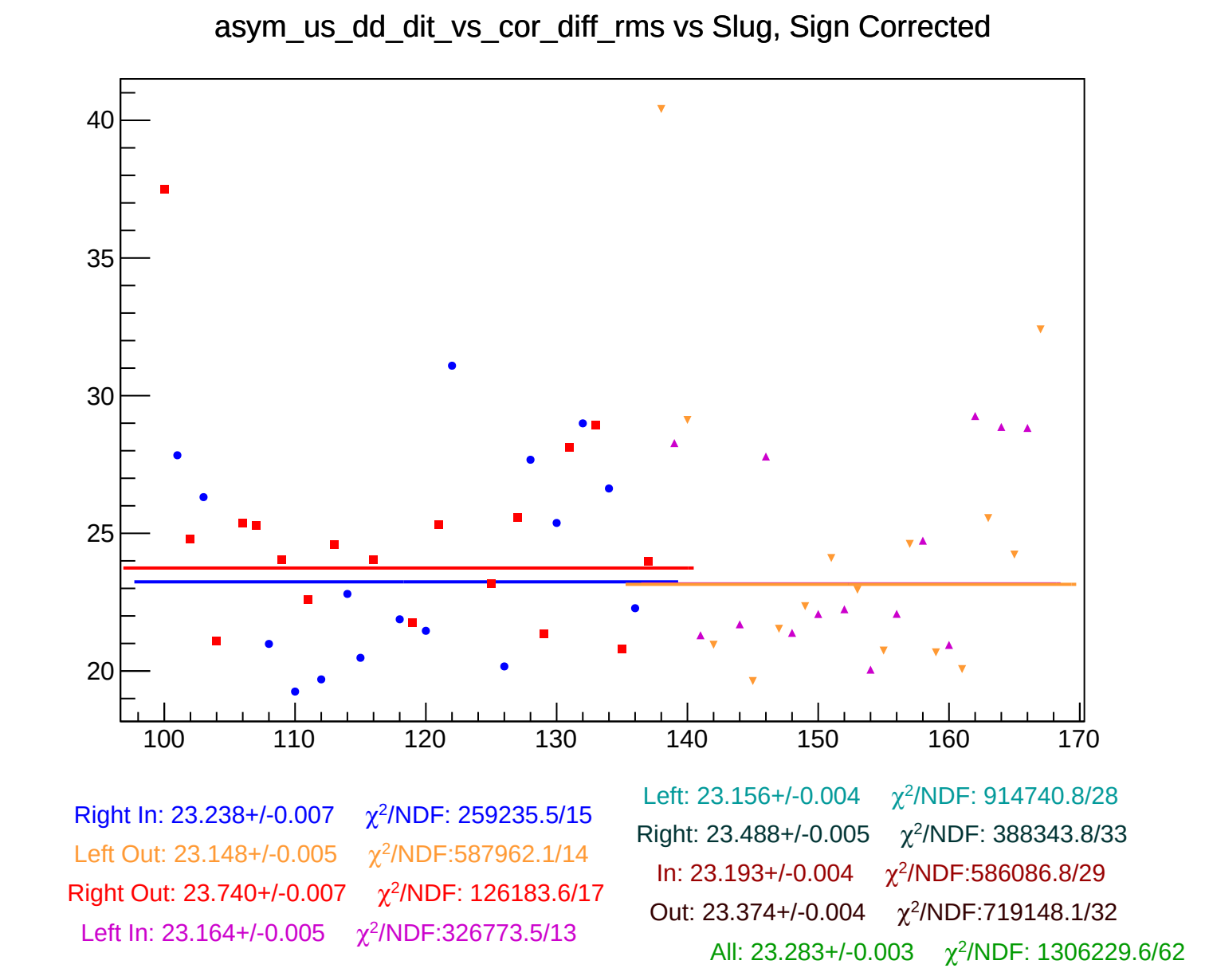
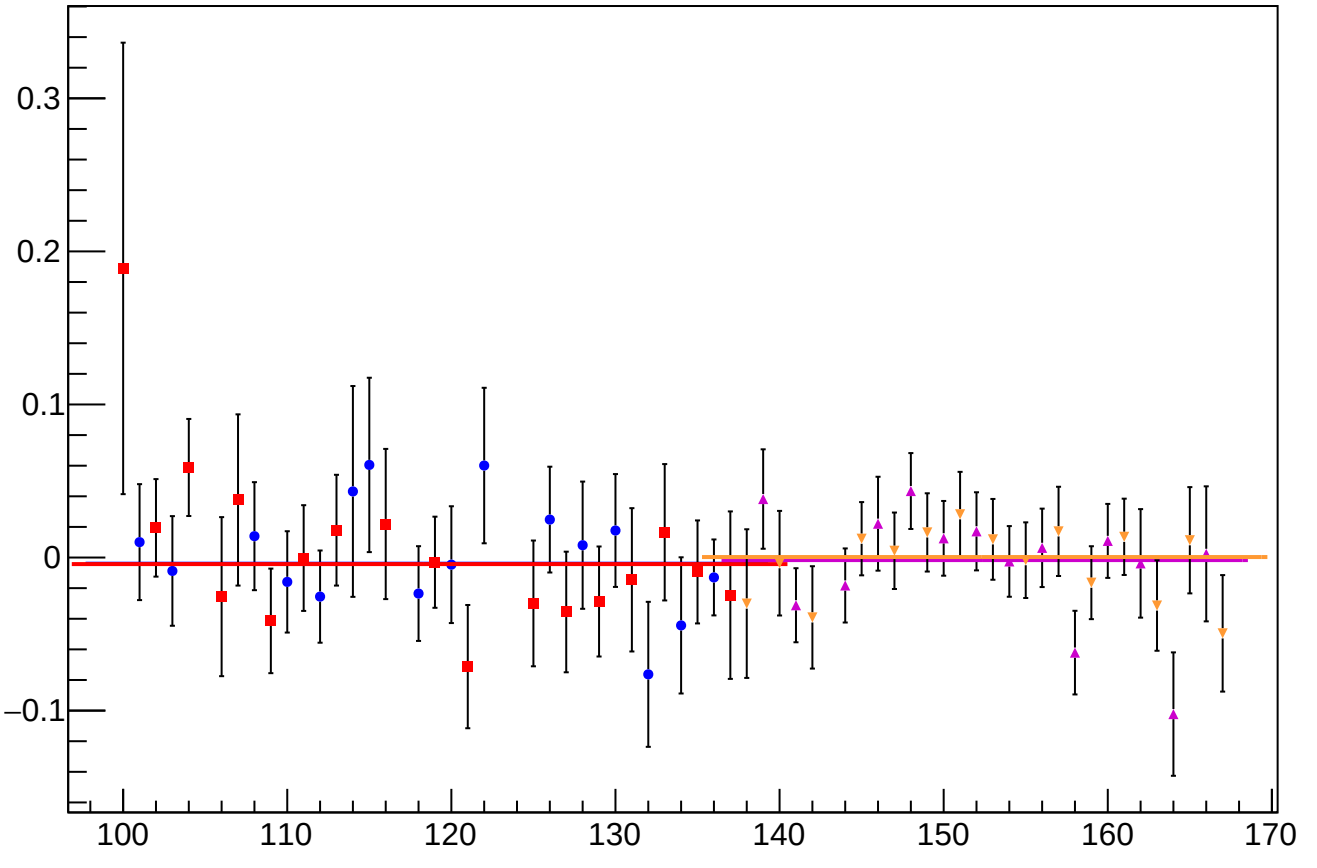
0
−0.1
100
110
120
130
140
150
160
170
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: 0.000+/-0.007 χ²/NDF:7.8/14
Right Out: -0.004+/-0.009 χ²/NDF: 13.5/17
Left In: -0.002+/-0.007 χ²/NDF:19.8/13
Left: -0.001+/-0.005 χ²/NDF: 27.6/28
Right: -0.004+/-0.007 χ²/NDF: 22.7/33
In: -0.003+/-0.006 χ²/NDF:29.0/29
Out: -0.001+/-0.006 χ²/NDF:21.4/32
All: -0.002+/-0.004 χ²/NDF: 50.4/62


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 23.148+/-0.005 χ²/NDF:587962.1/14
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 23.164+/-0.005 χ²/NDF:326773.5/13
Left: 23.156+/-0.004 χ²/NDF: 914740.8/28
Right: 23.488+/-0.005 χ²/NDF: 388343.8/33
In: 23.193+/-0.004 χ²/NDF:586086.8/29
Out: 23.374+/-0.004 χ²/NDF:719148.1/32
All: 23.283+/-0.003 χ²/NDF: 1306229.6/62



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.000+/-0.007 χ^2/NDF:7.8/14

Right Out: -0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.002+/-0.007 χ^2/NDF:19.8/13

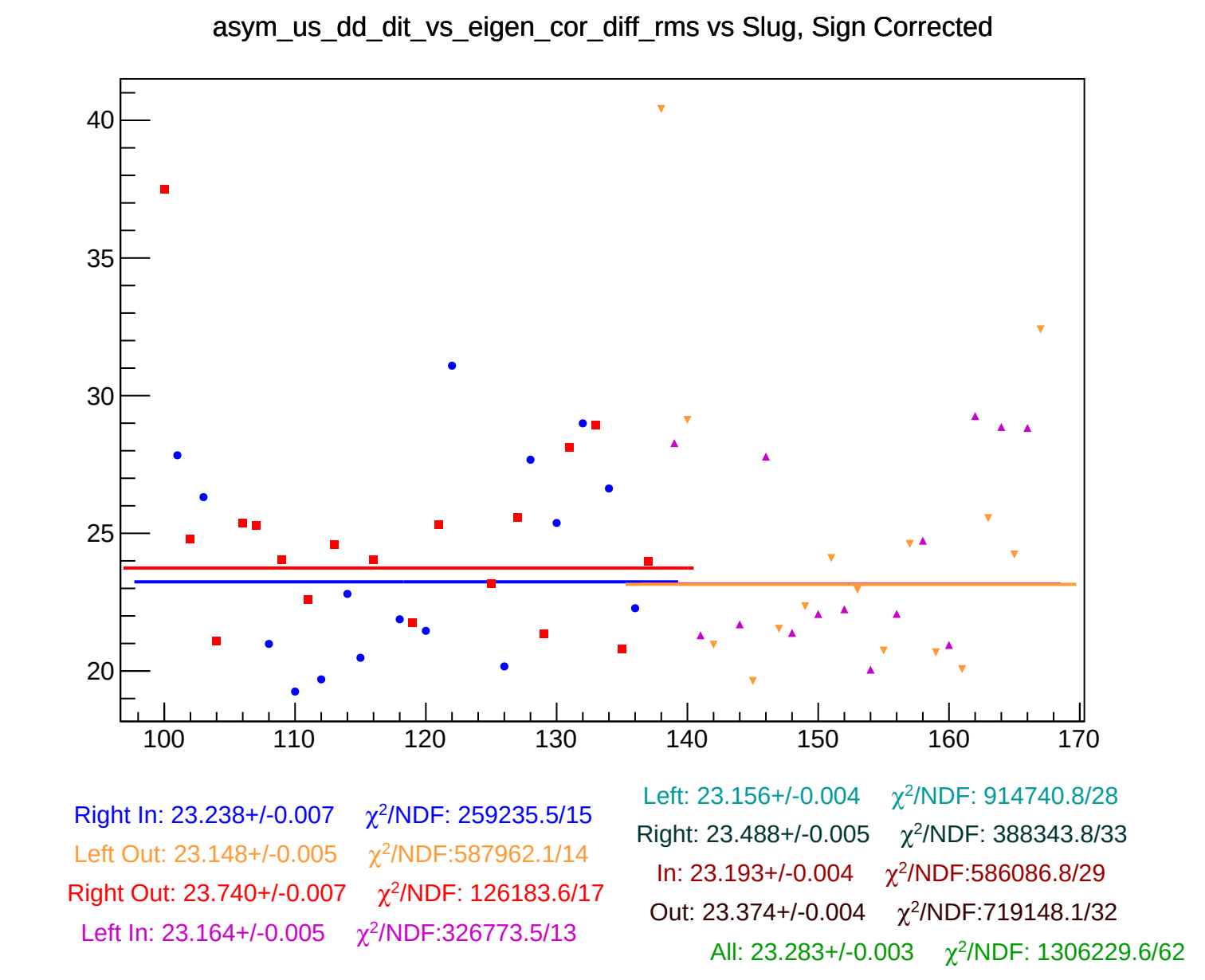
Left: -0.001+/-0.005 χ^2/NDF: 27.6/28

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.003+/-0.006 χ^2/NDF:29.0/29

Out: -0.001+/-0.006 χ^2/NDF:21.4/32

All: -0.002+/-0.004 χ^2/NDF: 50.4/62


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
40
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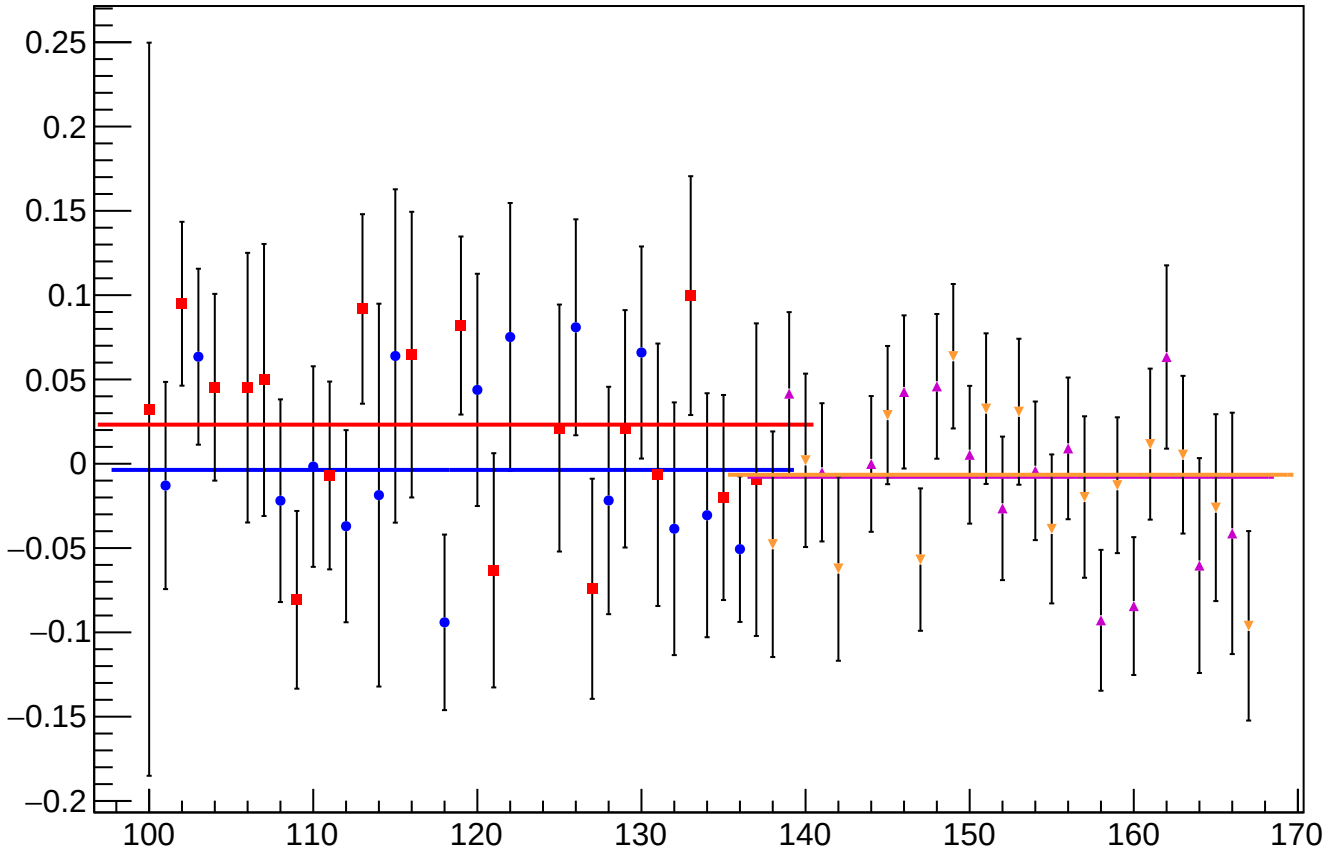
140
150
160
170
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 23.148+/-0.005 χ²/NDF:587962.1/14
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 23.164+/-0.005 χ²/NDF:326773.5/13
Left: 23.156+/-0.004 χ²/NDF: 914740.8/28
Right: 23.488+/-0.005 χ²/NDF: 388343.8/33
In: 23.193+/-0.004 χ²/NDF:586086.8/29
Out: 23.374+/-0.004 χ²/NDF:719148.1/32
All: 23.283+/-0.003 χ²/NDF: 1306229.6/62



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: -0.007+/-0.012 χ^2/NDF:11.3/14

Right Out: 0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.008+/-0.012 χ^2/NDF:14.6/13

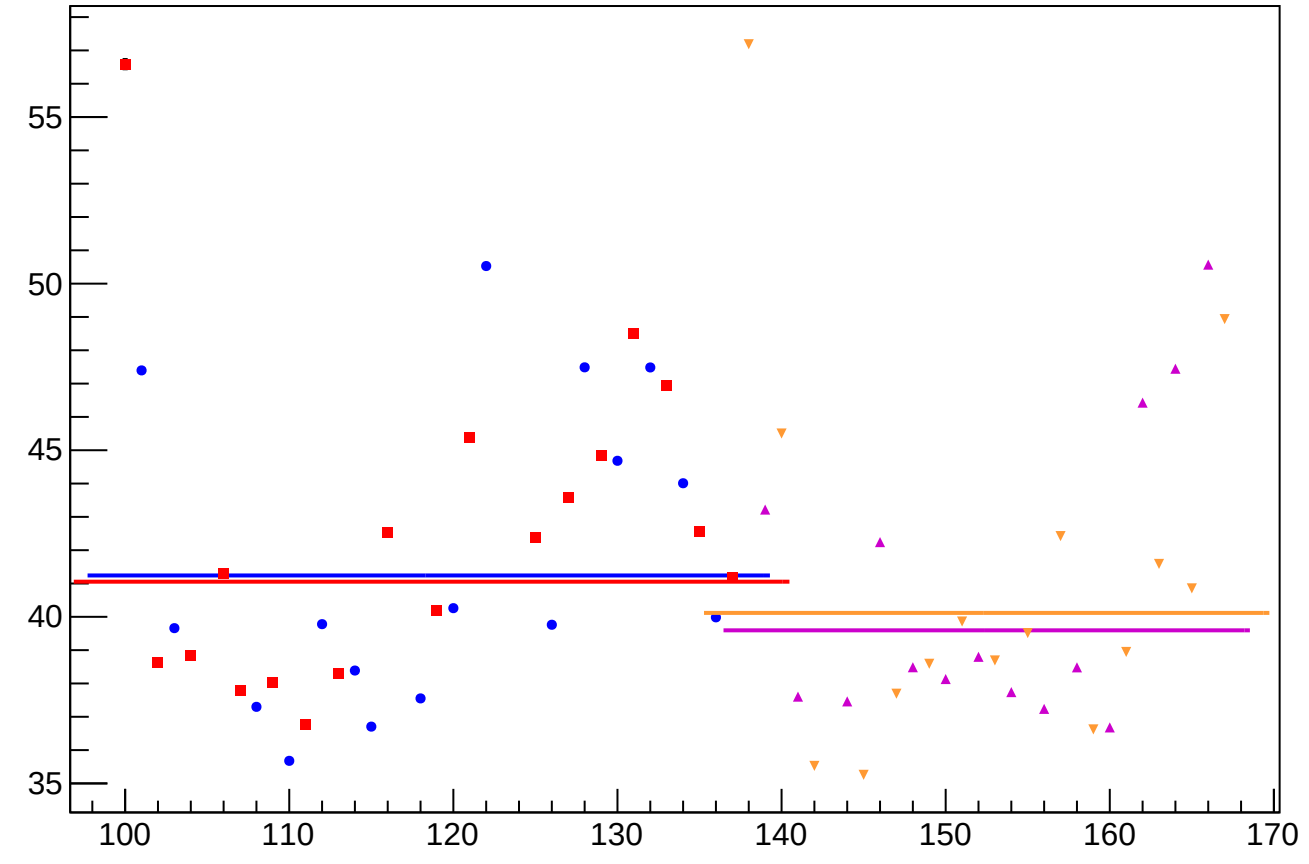
Left: -0.007+/-0.009 χ^2/NDF: 26.0/28

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.006+/-0.010 χ^2/NDF:26.3/29

Out: 0.005+/-0.010 χ^2/NDF:29.0/32

All: -0.001+/-0.007 χ^2/NDF: 56.0/62



Right In: 41.242+/-0.011 χ^2/NDF: 135279.1/15

Left Out: 40.118+/-0.009 χ^2/NDF:278673.4/14

Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.595+/-0.008 χ^2/NDF:163908.1/13

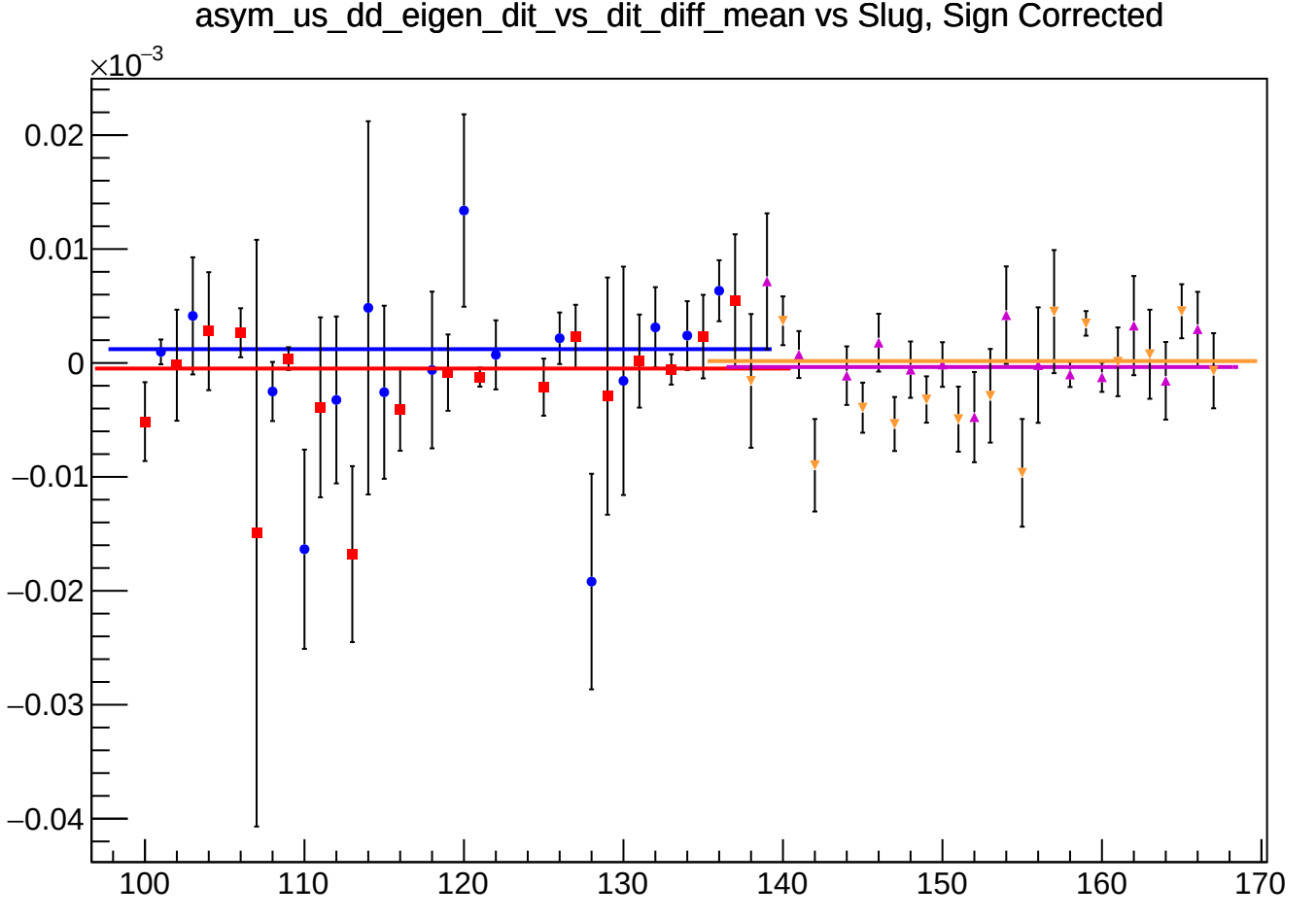
Left: 39.854+/-0.006 χ^2/NDF: 444464.7/28

Right: 41.147+/-0.008 χ^2/NDF: 231982.7/33

In: 40.201+/-0.007 χ^2/NDF:313031.2/29

Out: 40.472+/-0.007 χ^2/NDF:379774.1/32

All: 40.337+/-0.005 χ^2/NDF: 693612.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/13

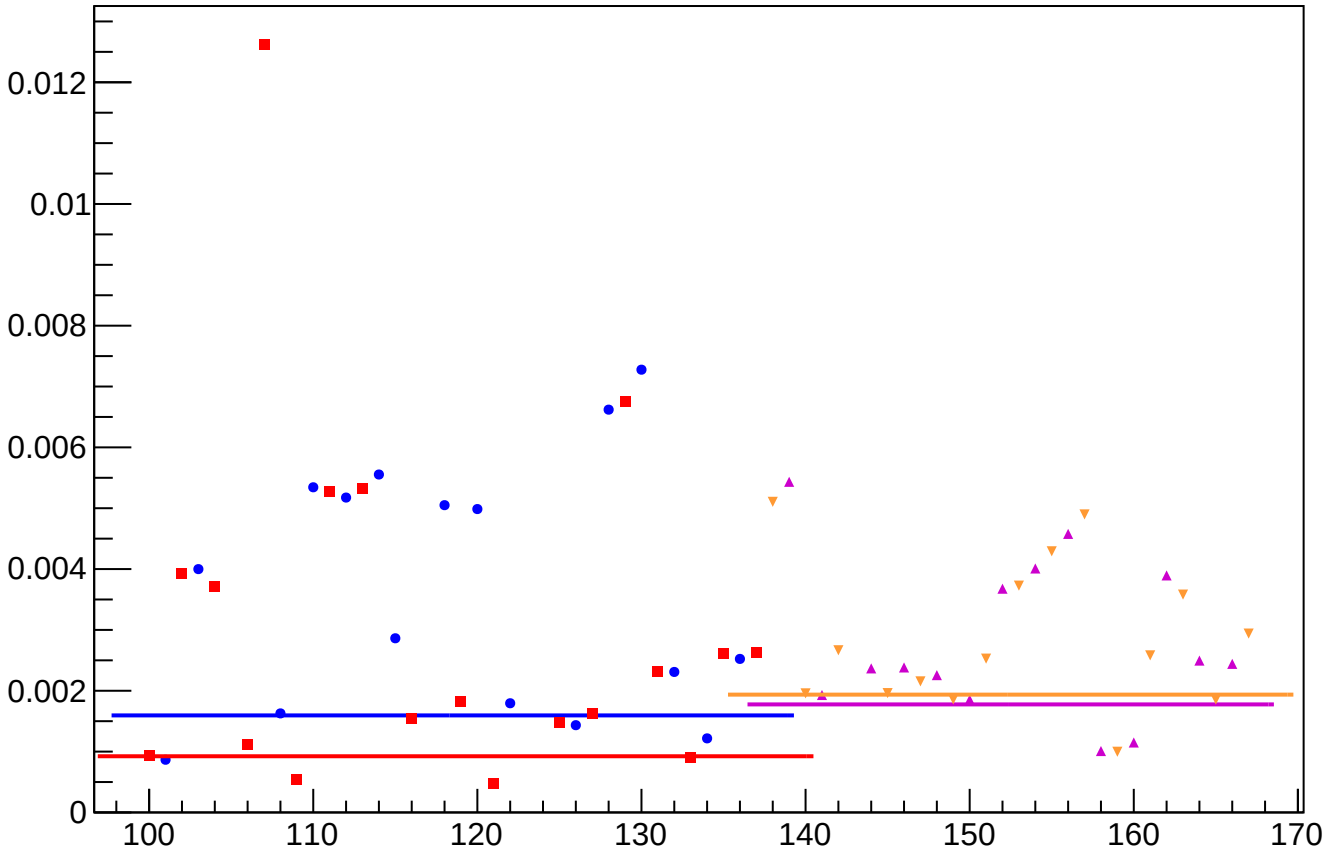
Left: -0.000+/-0.000 χ^2/NDF: 49.2/28

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:28.7/29

Out: -0.000+/-0.000 χ^2/NDF:56.8/32

All: -0.000+/-0.000 χ^2/NDF: 86.1/62



Right In: 0.002+/-0.000 χ^2/NDF: 4762068.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:4378169.2/14

Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:4769845.2/13

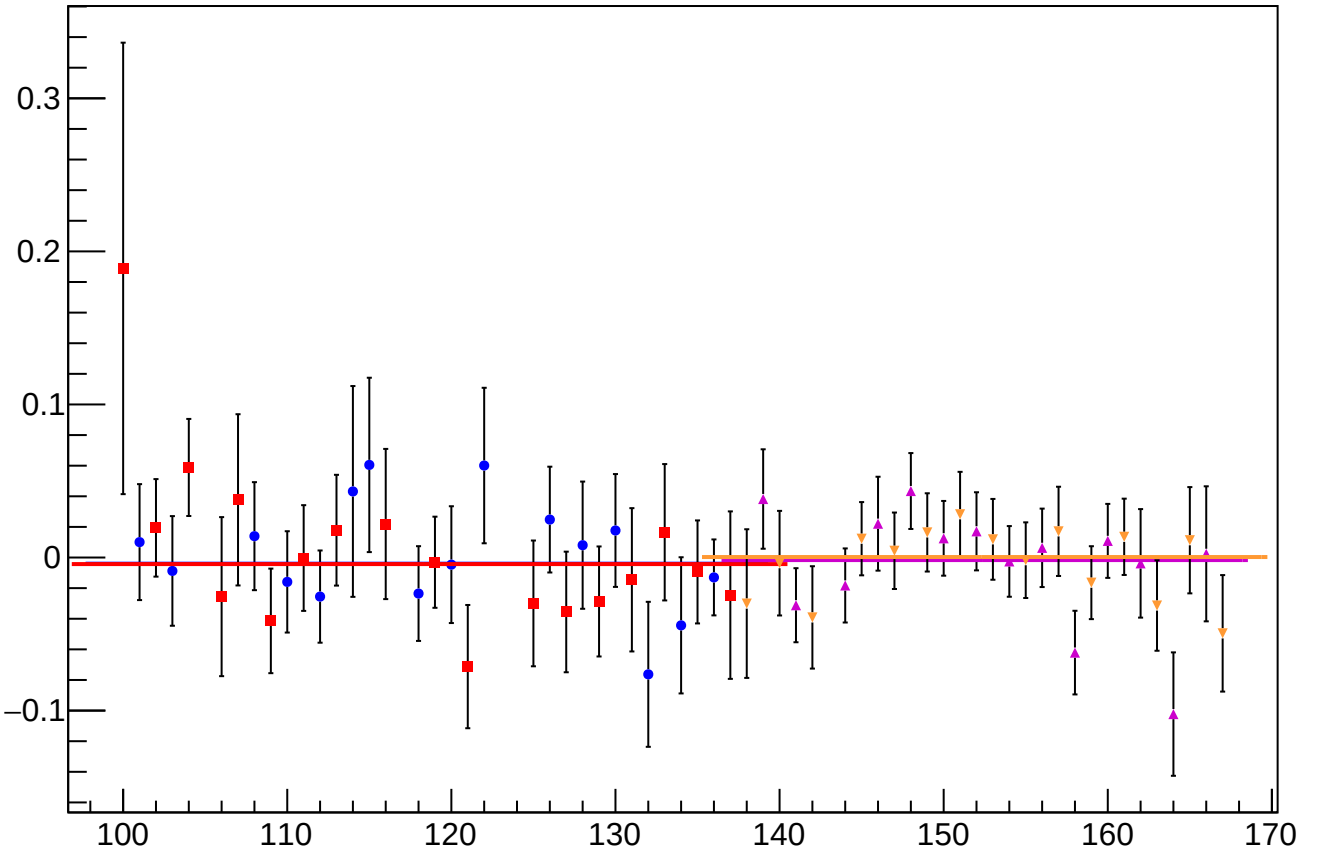
Left: 0.002+/-0.000 χ^2/NDF: 9216452.0/28

Right: 0.001+/-0.000 χ^2/NDF: 11655258.3/33

In: 0.002+/-0.000 χ^2/NDF:9603023.4/29

Out: 0.001+/-0.000 χ^2/NDF:13329079.1/32

All: 0.001+/-0.000 χ^2/NDF: 23775420.9/62



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.000+/-0.007 χ^2/NDF:7.8/14

Right Out: -0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.002+/-0.007 χ^2/NDF:19.8/13

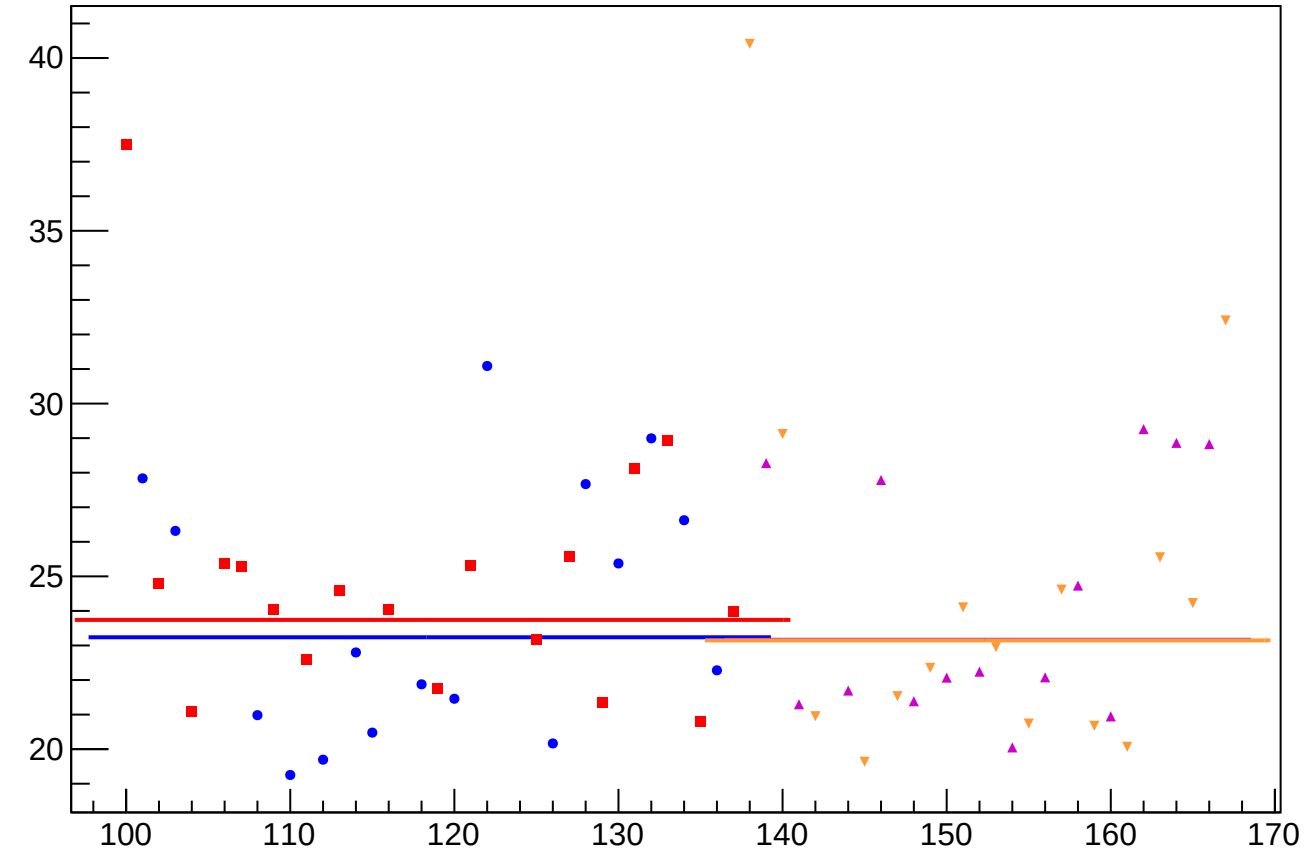
Left: -0.001+/-0.005 χ^2/NDF: 27.6/28

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.003+/-0.006 χ^2/NDF:29.0/29

Out: -0.001+/-0.006 χ^2/NDF:21.4/32

All: -0.002+/-0.004 χ^2/NDF: 50.4/62



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

Left Out: 23.148+/-0.005 χ^2/NDF:587983.9/14

Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.165+/-0.005 χ^2/NDF:326742.4/13

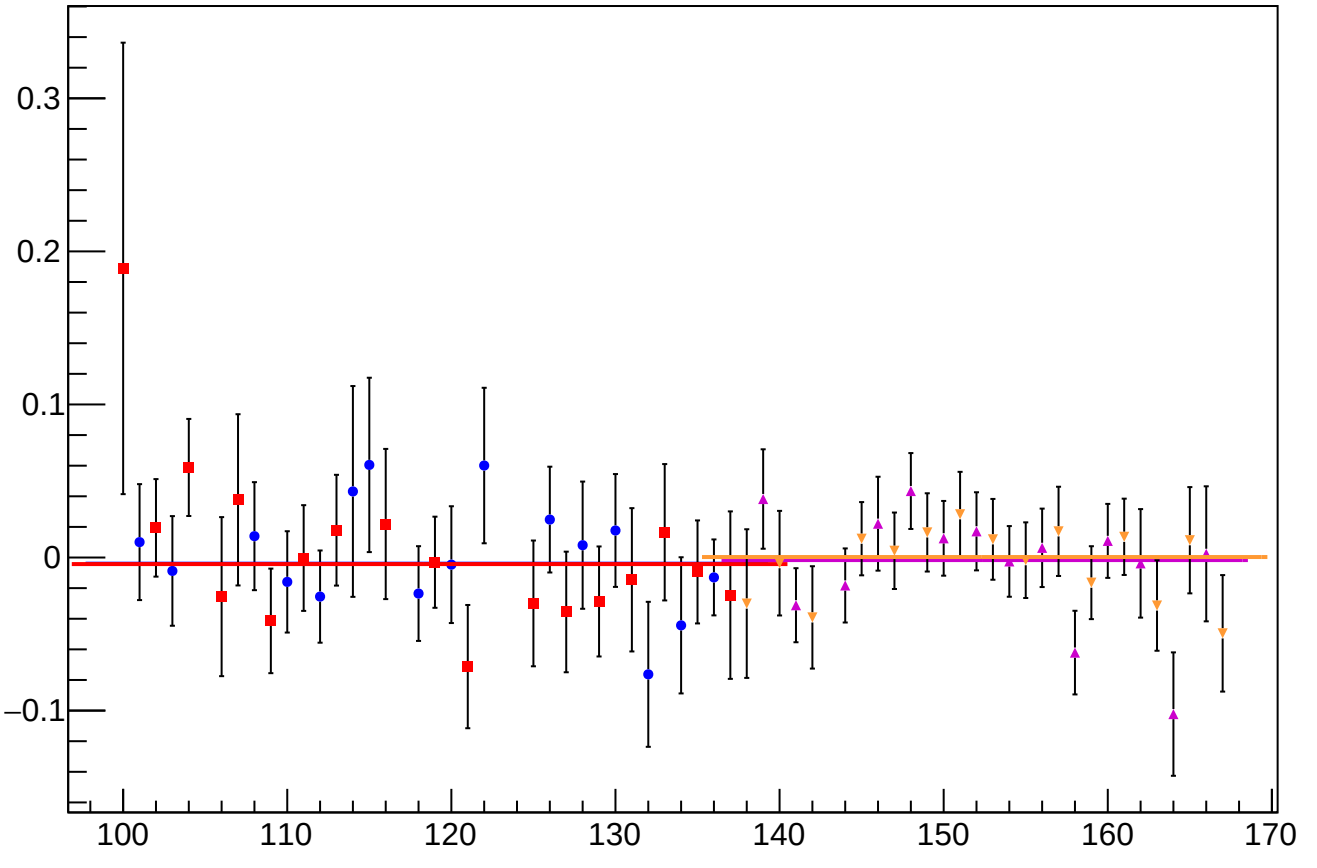
Left: 23.156+/-0.004 χ^2/NDF: 914731.7/28

Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.193+/-0.004 χ^2/NDF:586042.3/29

Out: 23.374+/-0.004 χ^2/NDF:719122.3/32

All: 23.283+/-0.003 χ^2/NDF: 1306161.1/62



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.000+/-0.007 χ^2/NDF:7.8/14

Right Out: -0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.002+/-0.007 χ^2/NDF:19.8/13

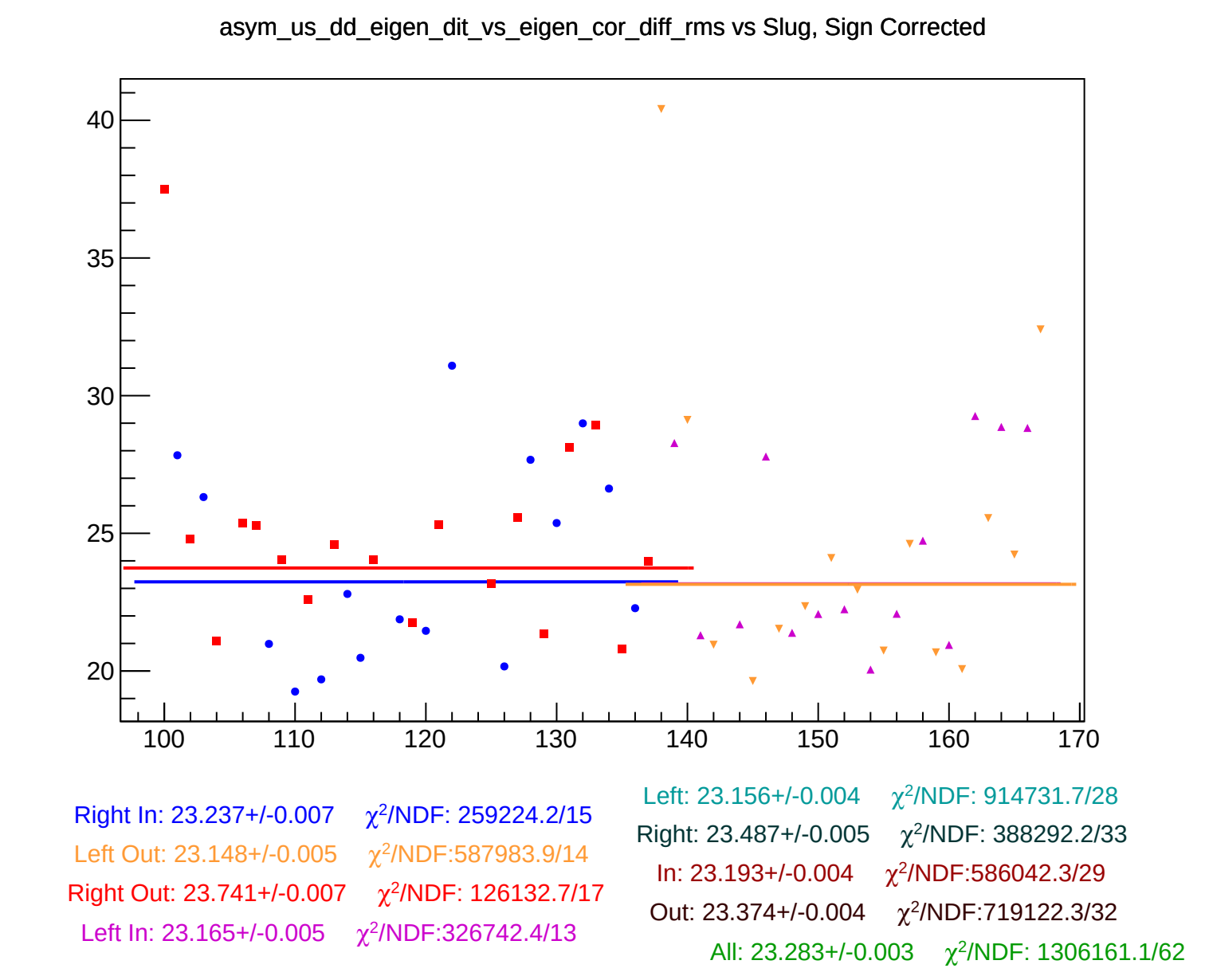
Left: -0.001+/-0.005 χ^2/NDF: 27.6/28

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

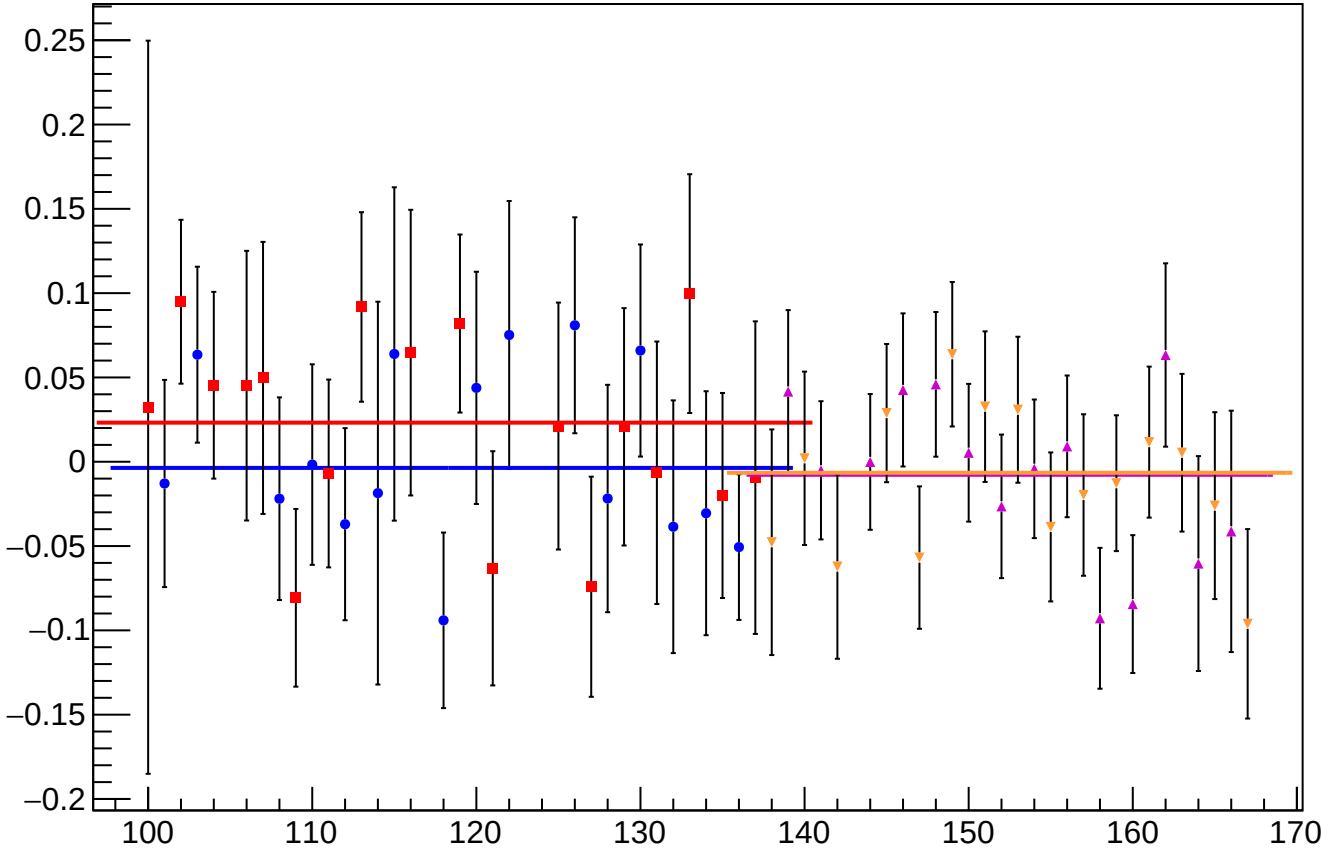
In: -0.003+/-0.006 χ^2/NDF:29.0/29

Out: -0.001+/-0.006 χ^2/NDF:21.4/32

All: -0.002+/-0.004 χ^2/NDF: 50.4/62


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.148+/-0.005 χ²/NDF:587983.9/14
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.165+/-0.005 χ²/NDF:326742.4/13
Left: 23.156+/-0.004 χ²/NDF: 914731.7/28
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 23.193+/-0.004 χ²/NDF:586042.3/29
Out: 23.374+/-0.004 χ²/NDF:719122.3/32
All: 23.283+/-0.003 χ²/NDF: 1306161.1/62

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: -0.007+/-0.012 χ^2/NDF:11.3/14

Right Out: 0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.008+/-0.012 χ^2/NDF:14.6/13

Left: -0.007+/-0.009 χ^2/NDF: 26.0/28

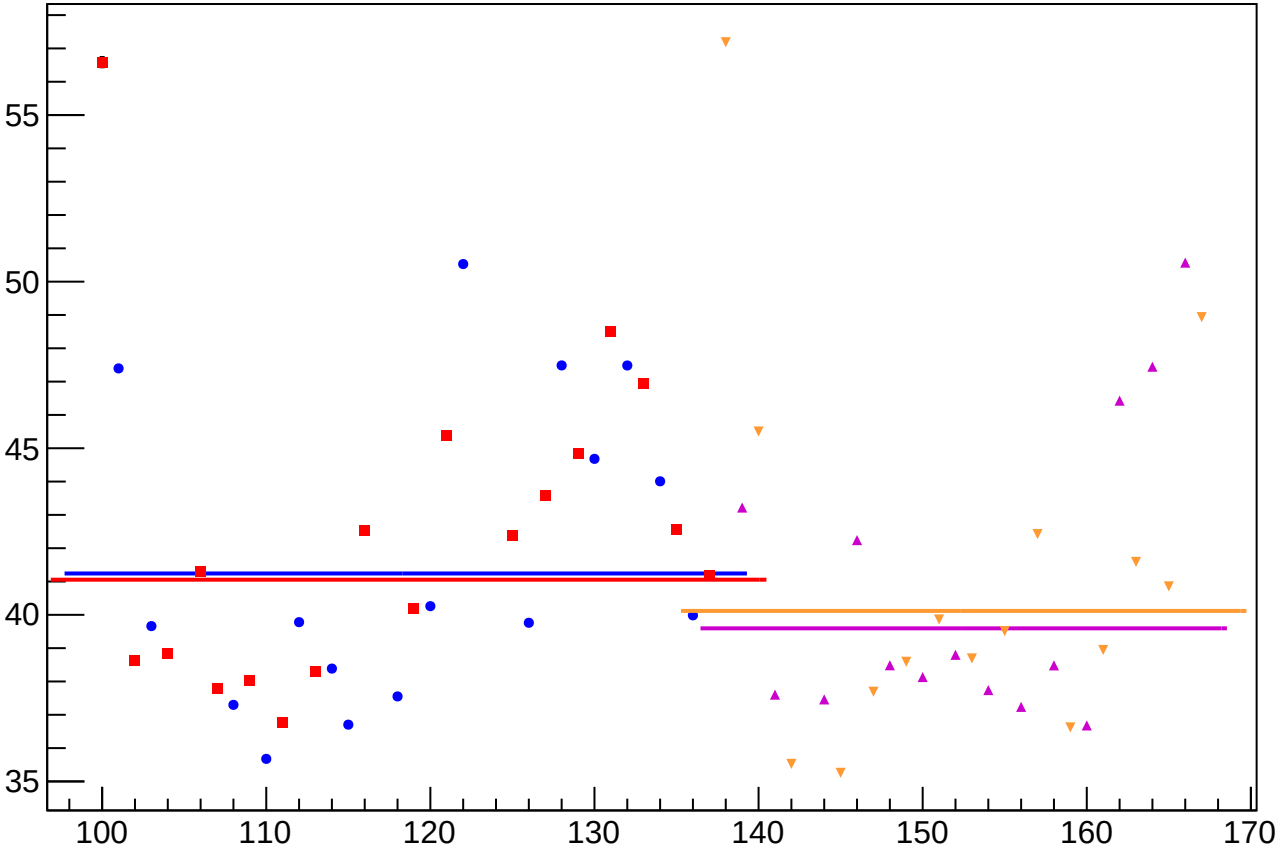
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.006+/-0.010 χ^2/NDF:26.3/29

Out: 0.005+/-0.010 χ^2/NDF:29.0/32

All: -0.001+/-0.007 χ^2/NDF: 56.0/62

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.241+/-0.011 χ^2/NDF: 135256.9/15

Left Out: 40.118+/-0.009 χ^2/NDF:278677.3/14

Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 39.595+/-0.008 χ^2/NDF:163915.8/13

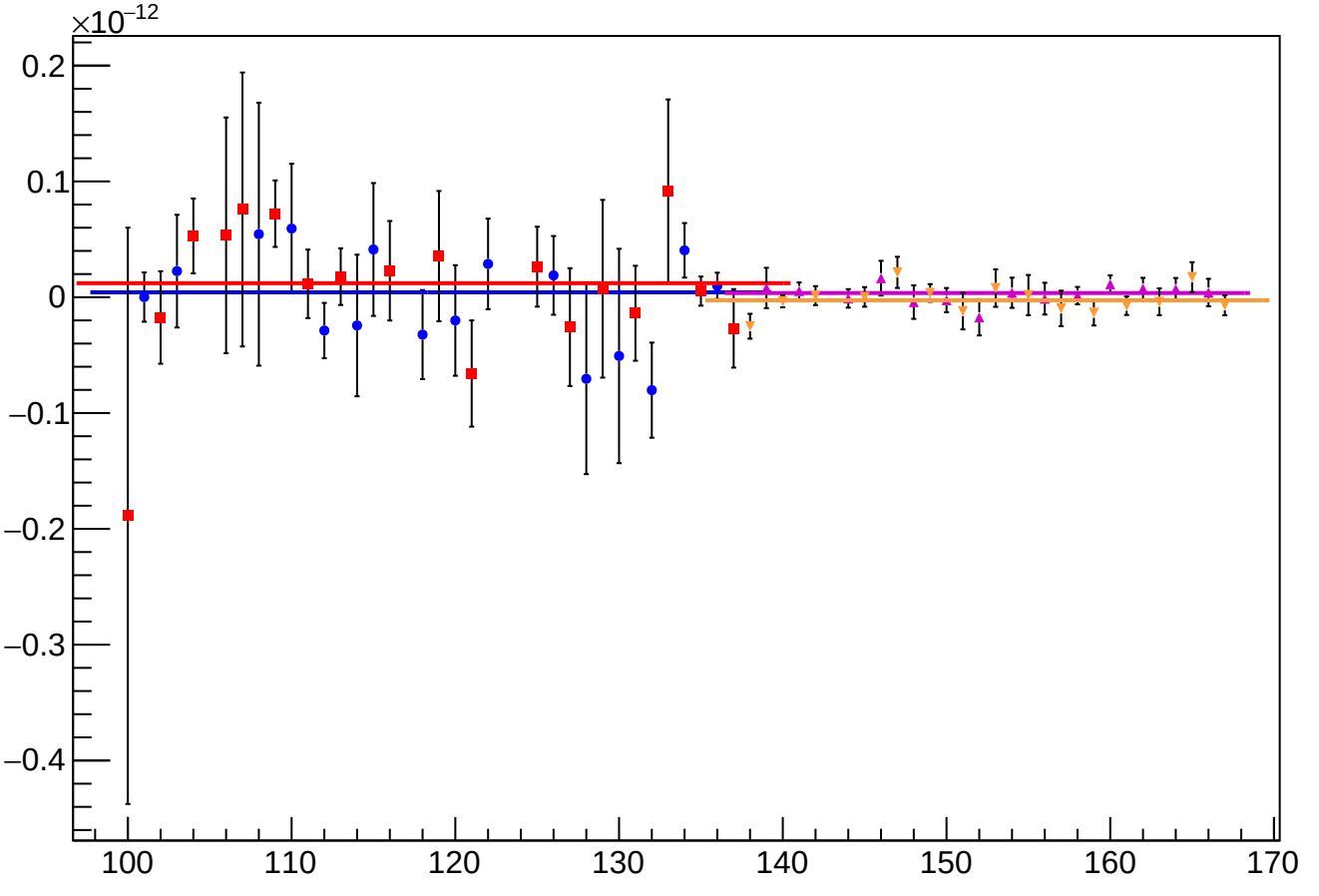
Left: 39.854+/-0.006 χ^2/NDF: 444475.6/28

Right: 41.147+/-0.008 χ^2/NDF: 231949.1/33

In: 40.201+/-0.007 χ^2/NDF:313010.2/29

Out: 40.472+/-0.007 χ^2/NDF:379765.9/32

All: 40.337+/-0.005 χ^2/NDF: 693583.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:5.1/13

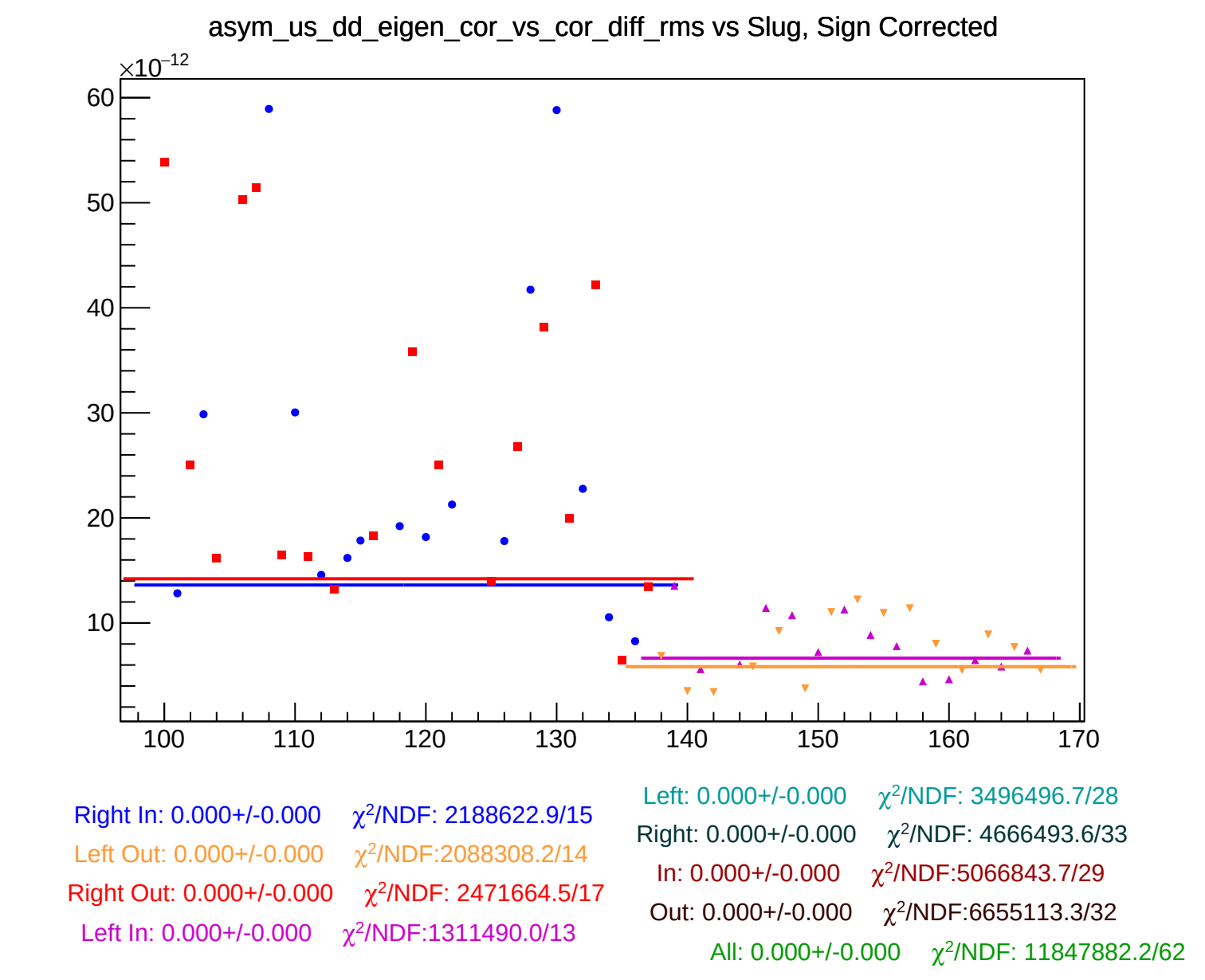
Left: 0.000+/-0.000 χ^2/NDF: 21.7/28

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

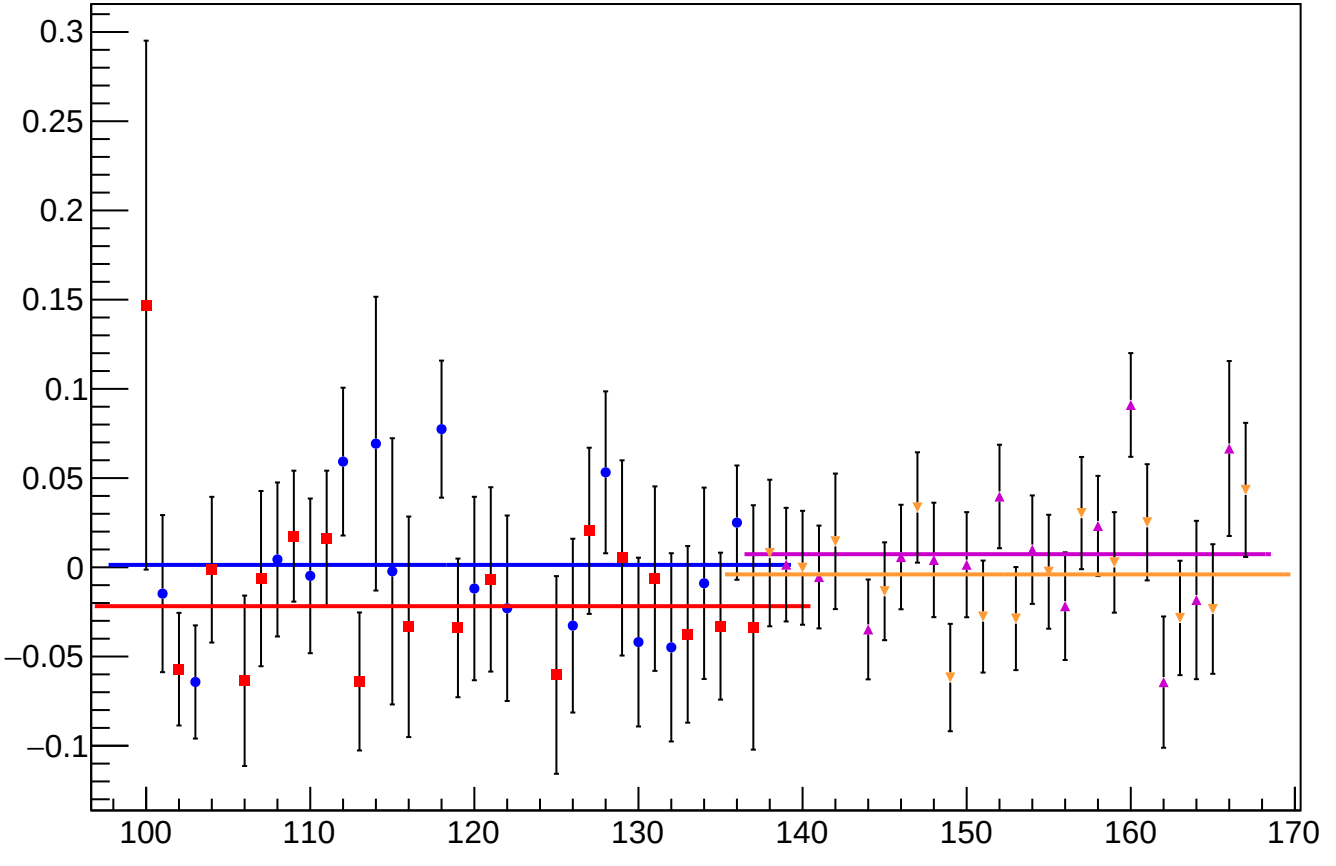
In: 0.000+/-0.000 χ^2/NDF:18.8/29

Out: -0.000+/-0.000 χ^2/NDF:31.5/32

All: 0.000+/-0.000 χ^2/NDF: 52.3/62


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2088308.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1311490.0/13
Left: 0.000+/-0.000 χ²/NDF: 3496496.7/28
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:5066843.7/29
Out: 0.000+/-0.000 χ²/NDF:6655113.3/32
All: 0.000+/-0.000 χ²/NDF: 11847882.2/62

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.004+/-0.008 χ^2/NDF:11.4/14

Right Out: -0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.007+/-0.008 χ^2/NDF:18.9/13

Left: 0.002+/-0.006 χ^2/NDF: 31.3/28

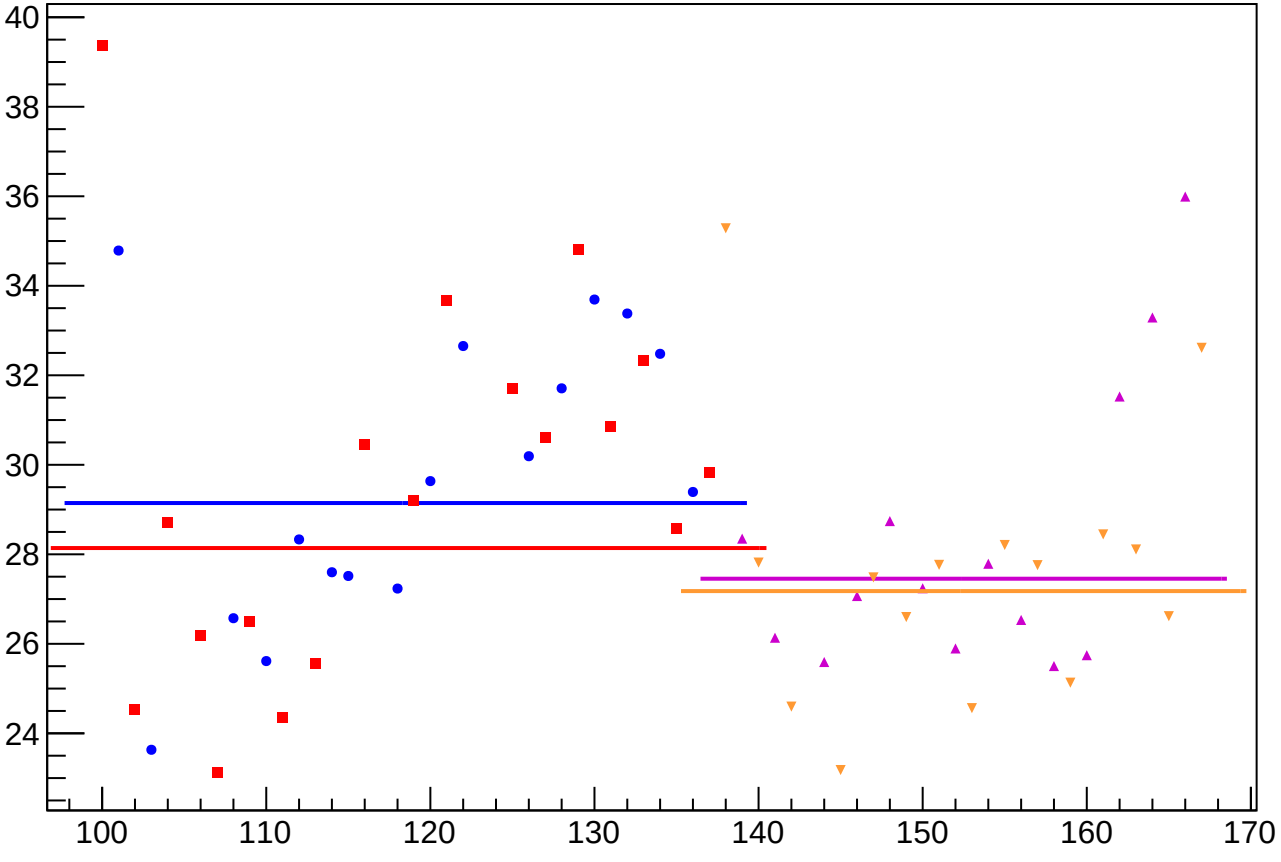
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.007 χ^2/NDF:34.4/29

Out: -0.011+/-0.007 χ^2/NDF:22.2/32

All: -0.003+/-0.005 χ^2/NDF: 59.4/62

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 27.178+/-0.006 χ^2/NDF:208900.7/14

Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.455+/-0.006 χ^2/NDF:162470.2/13

Left: 27.315+/-0.004 χ^2/NDF: 372474.3/28

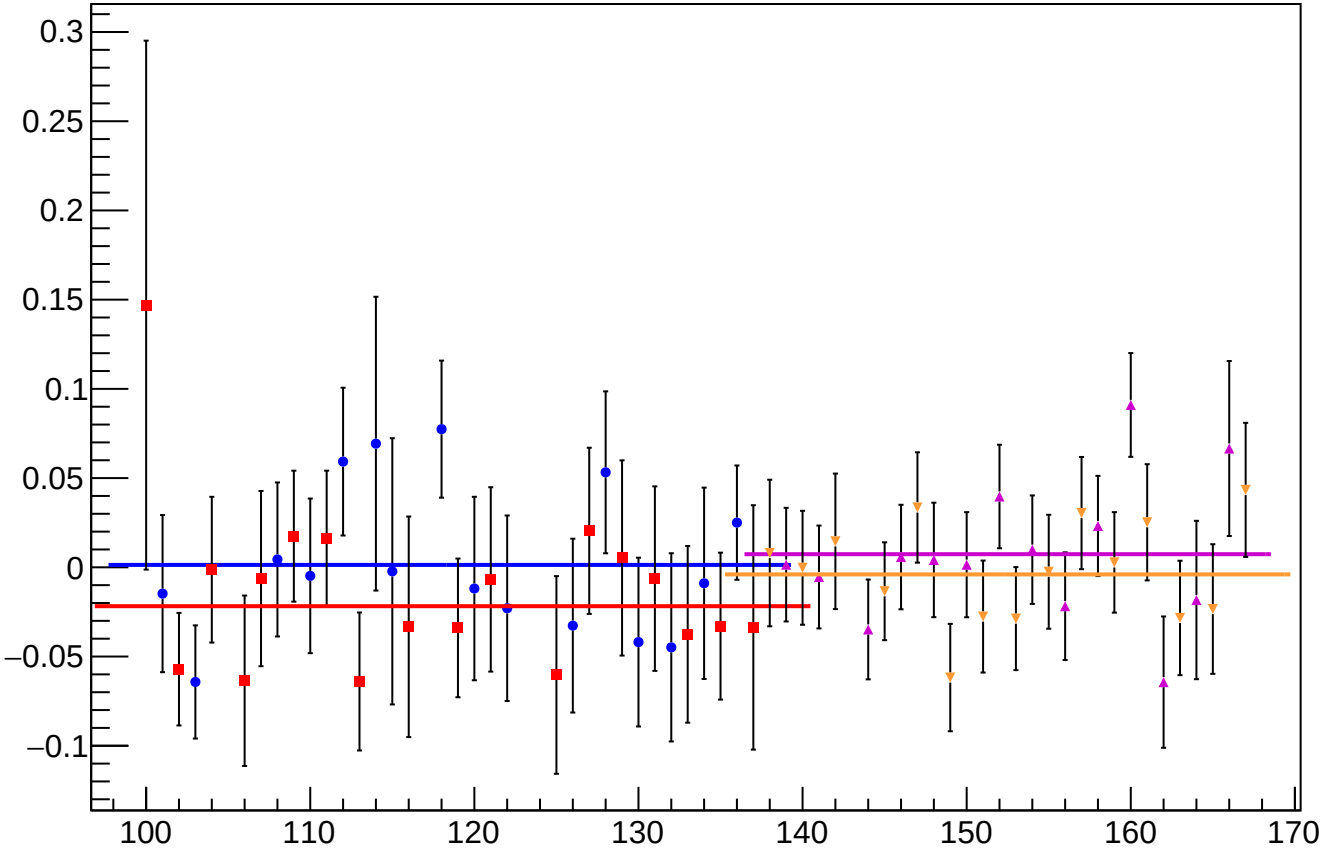
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.061+/-0.005 χ^2/NDF:368540.4/29

Out: 27.535+/-0.005 χ^2/NDF:406024.0/32

All: 27.792+/-0.003 χ^2/NDF: 780838.0/62

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.004+/-0.008 χ^2/NDF:11.4/14

Right Out: -0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.007+/-0.008 χ^2/NDF:18.9/13

Left: 0.002+/-0.006 χ^2/NDF: 31.3/28

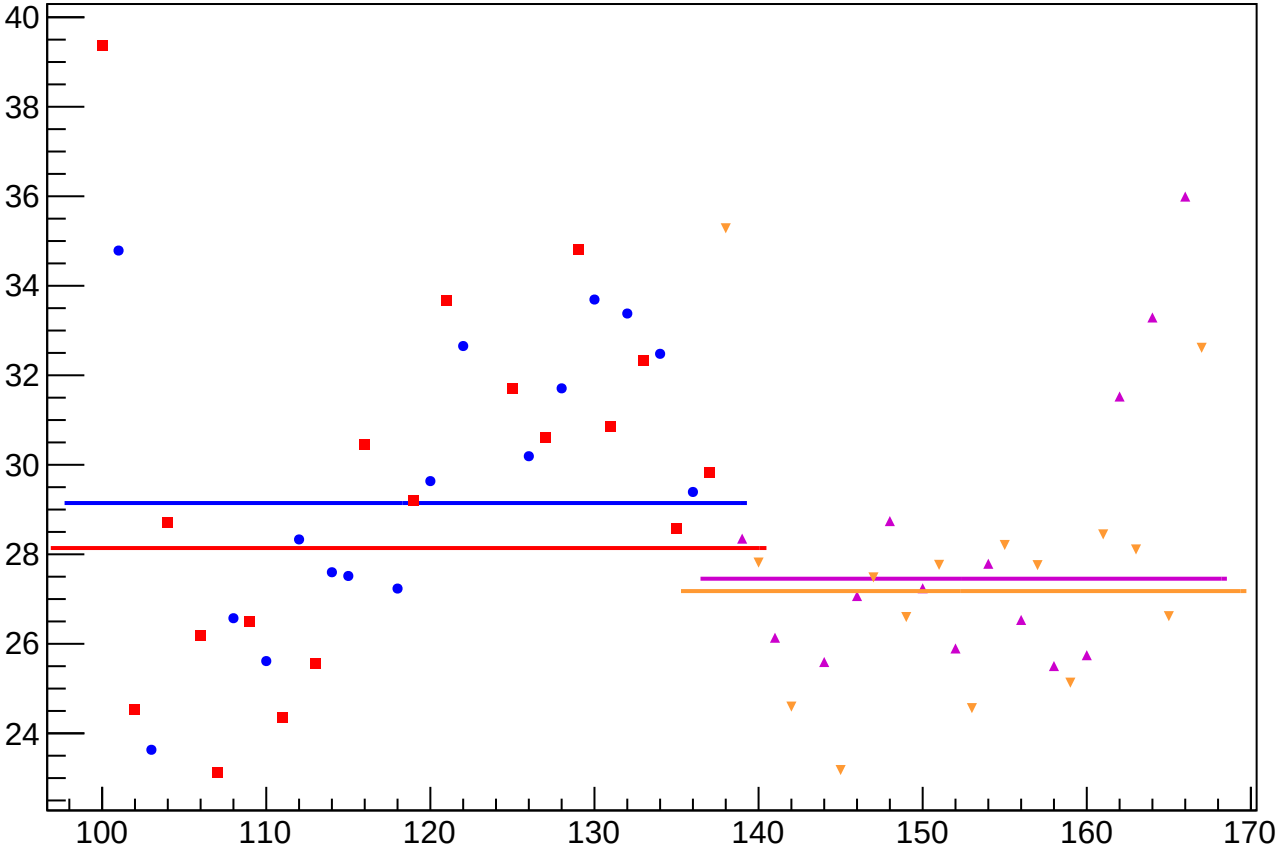
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.007 χ^2/NDF:34.4/29

Out: -0.011+/-0.007 χ^2/NDF:22.2/32

All: -0.003+/-0.005 χ^2/NDF: 59.4/62

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 27.178+/-0.006 χ^2/NDF:208900.7/14

Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.455+/-0.006 χ^2/NDF:162470.2/13

Left: 27.315+/-0.004 χ^2/NDF: 372474.3/28

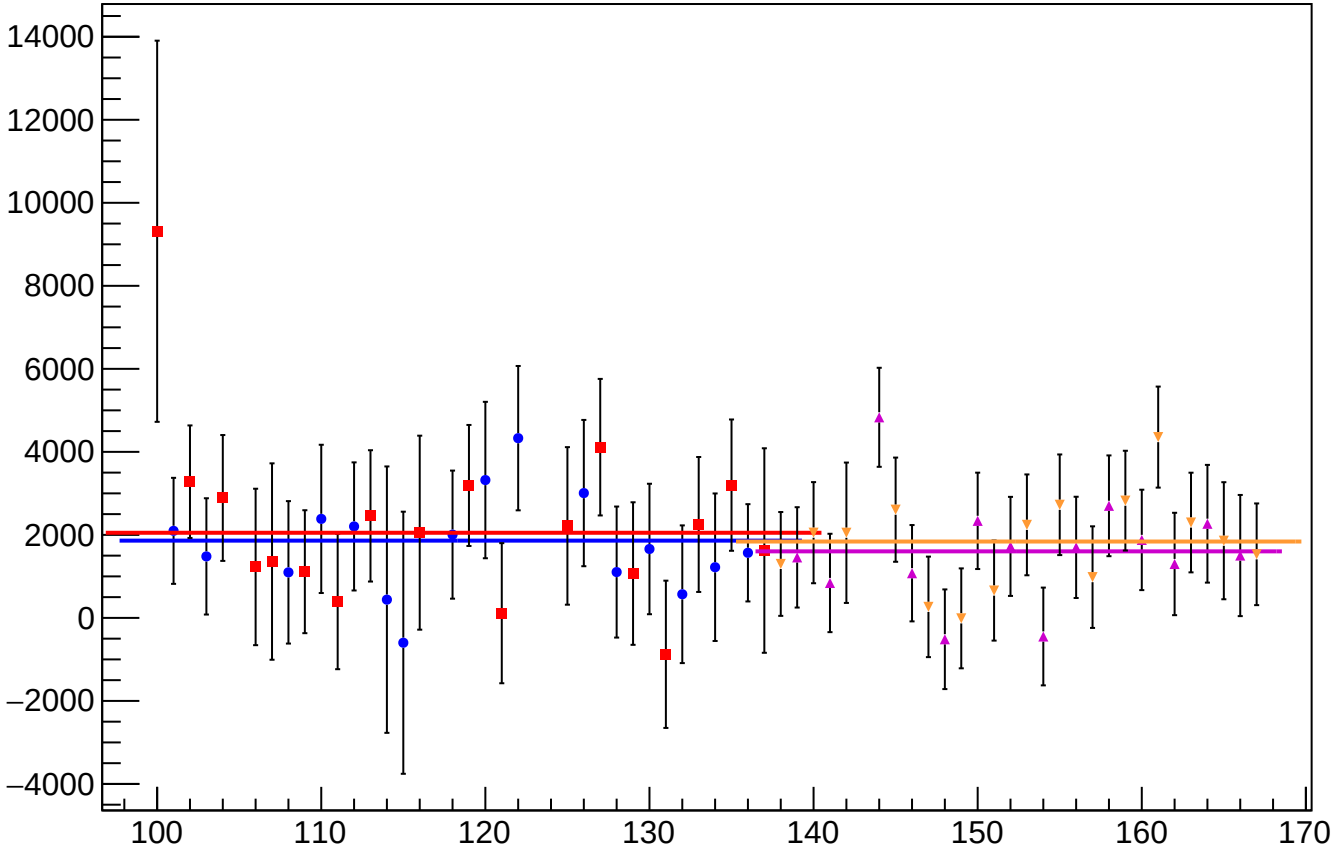
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.061+/-0.005 χ^2/NDF:368540.4/29

Out: 27.535+/-0.005 χ^2/NDF:406024.0/32

All: 27.792+/-0.003 χ^2/NDF: 780838.0/62

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1839.955+/-322.503 χ^2/NDF:11.9/14

Right Out: 2050.842+/-409.249 χ^2/NDF: 12.5/17

Left In: 1603.100+/-326.854 χ^2/NDF:15.7/13

Left: 1723.115+/-229.567 χ^2/NDF: 27.9/28

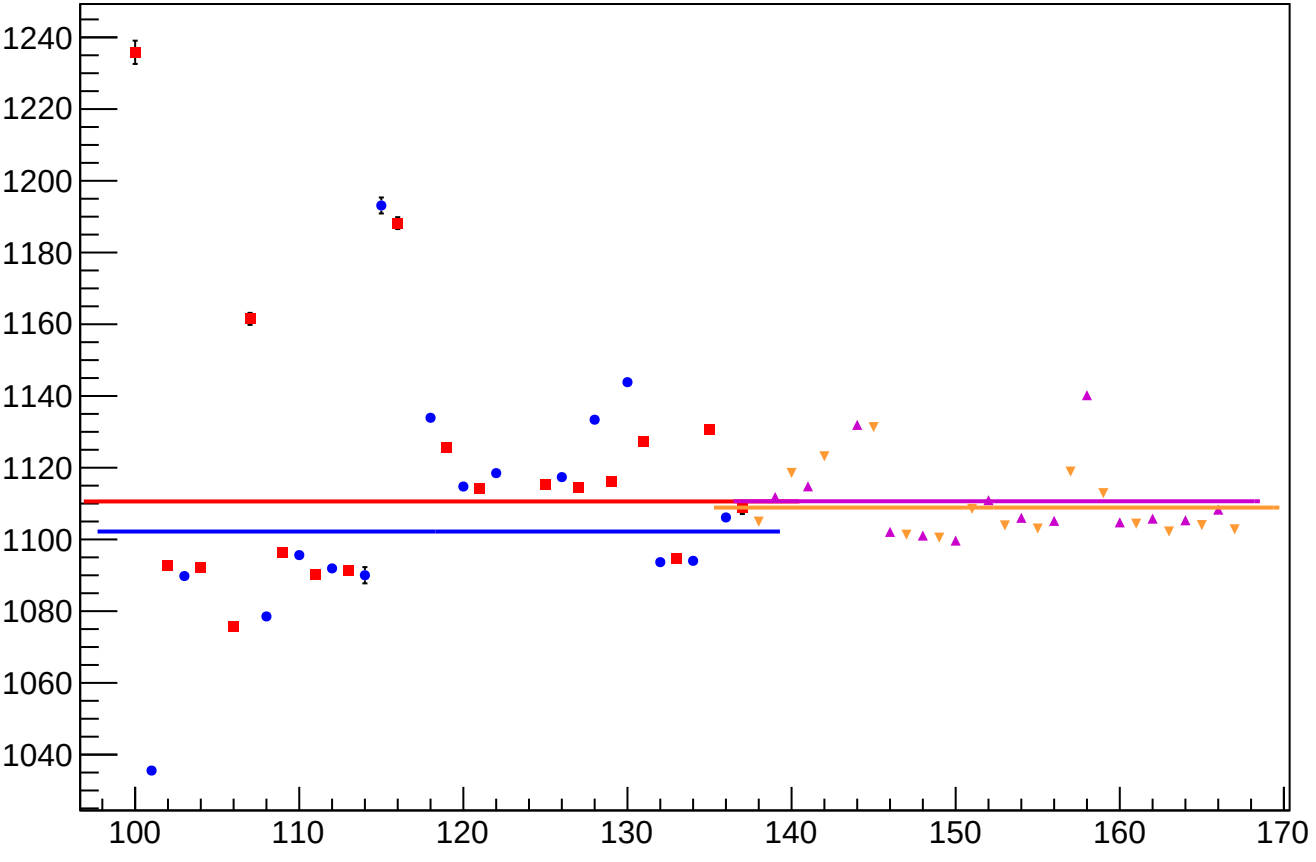
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1703.661+/-255.463 χ^2/NDF:21.3/29

Out: 1920.745+/-253.304 χ^2/NDF:24.6/32

All: 1813.124+/-179.871 χ^2/NDF: 46.2/62

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1108.884+/-0.228 χ^2/NDF:1501.5/14

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.646+/-0.231 χ^2/NDF:2447.4/13

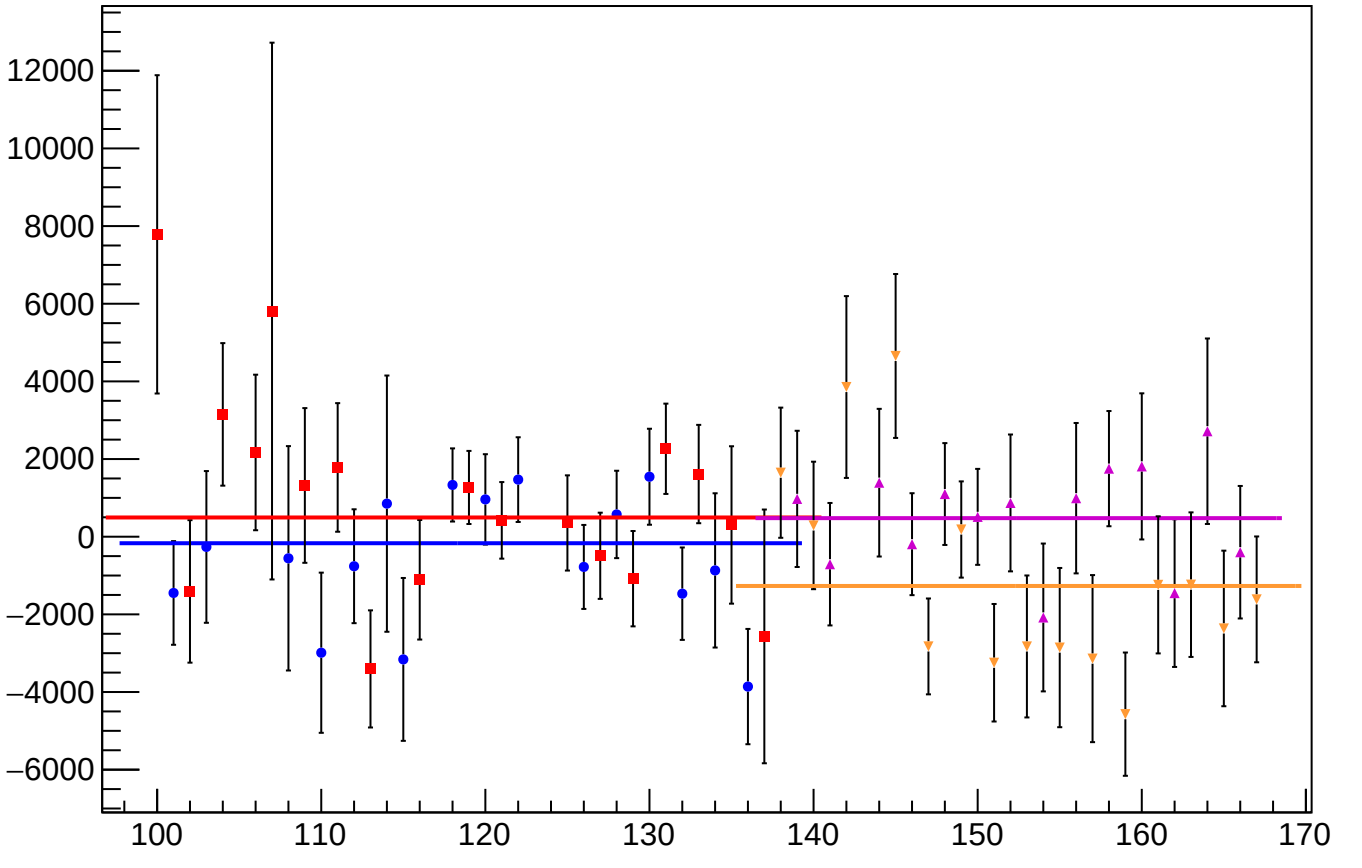
Left: 1109.753+/-0.162 χ^2/NDF: 3978.3/28

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

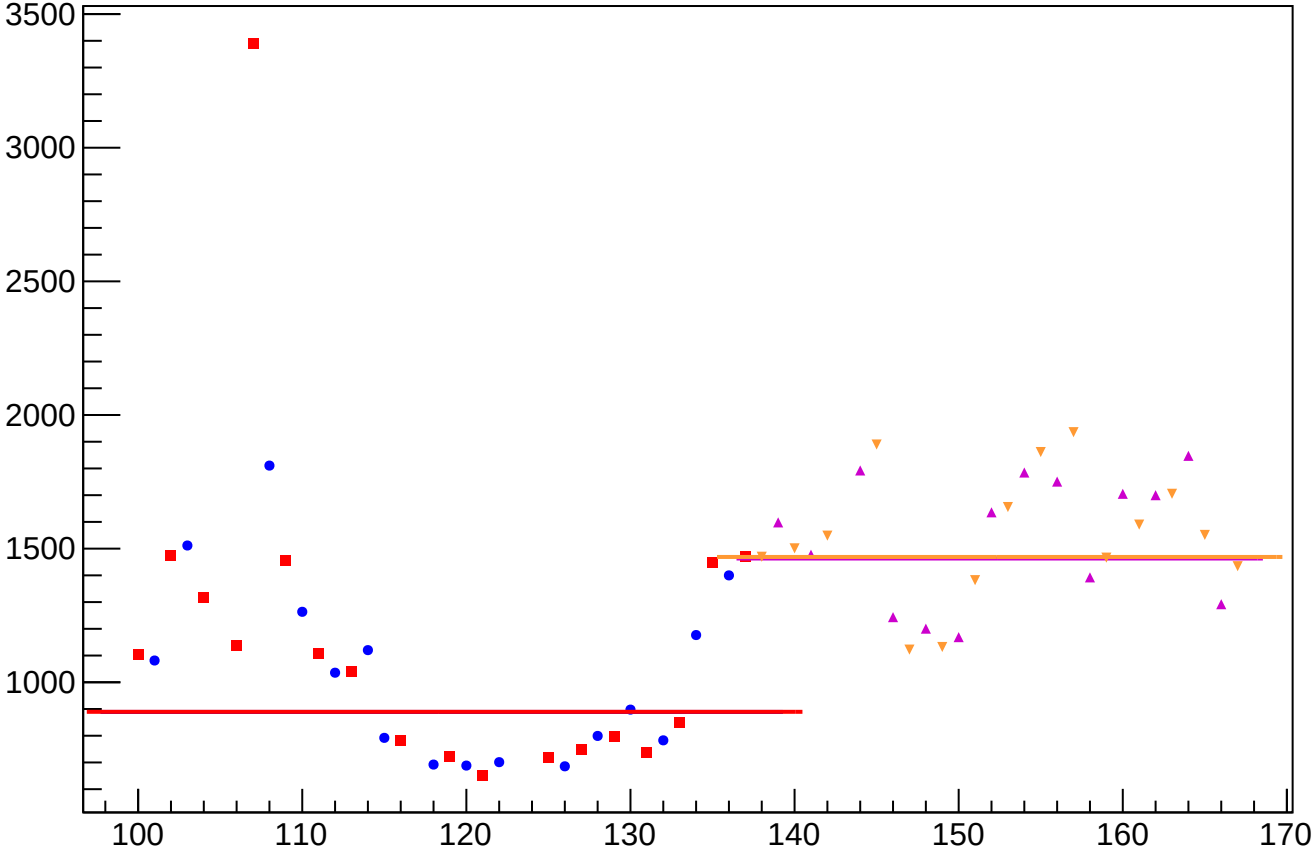
In: 1107.362+/-0.181 χ^2/NDF:14315.4/29

Out: 1109.538+/-0.179 χ^2/NDF:9219.0/32

All: 1108.459+/-0.127 χ^2/NDF: 23607.6/62


asym_usl_reg_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1268.805+/-435.718 χ²/NDF:28.0/14
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 478.115+/-437.832 χ²/NDF:6.7/13
Left: -399.573+/-308.844 χ²/NDF: 42.7/28
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 79.958+/-271.196 χ²/NDF:29.1/29
Out: -184.707+/-270.505 χ²/NDF:61.4/32
All: -52.712+/-191.520 χ²/NDF: 90.9/62

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1468.857+/-0.308 χ^2/NDF:628920.5/14

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1463.034+/-0.310 χ^2/NDF:582327.0/13

Left: 1465.959+/-0.218 χ^2/NDF: 1211425.2/28

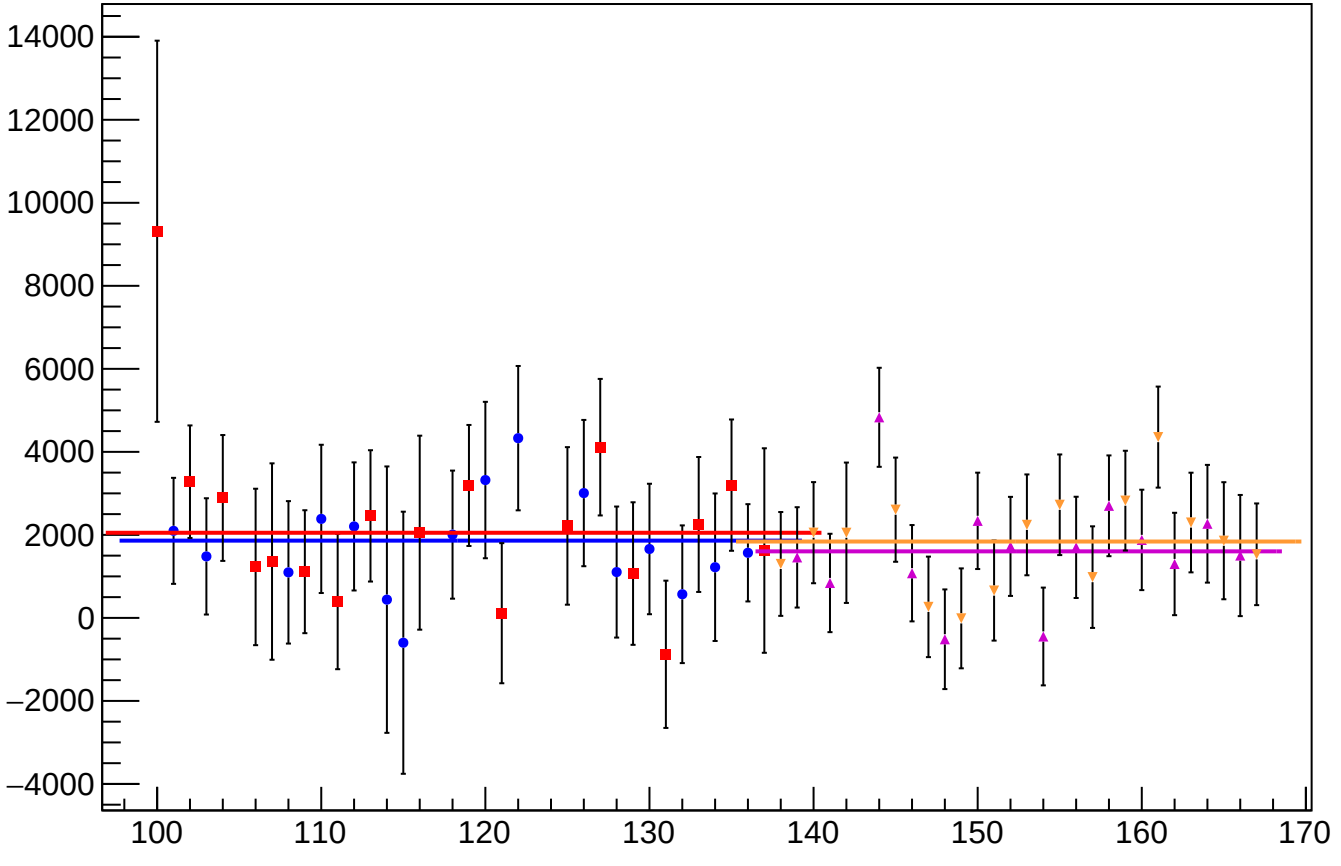
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1109.209+/-0.192 χ^2/NDF:3834301.8/29

Out: 1112.785+/-0.191 χ^2/NDF:4147970.2/32

All: 1111.001+/-0.135 χ^2/NDF: 7982446.3/62

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1839.955+/-322.503 χ^2/NDF:11.9/14

Right Out: 2050.842+/-409.249 χ^2/NDF: 12.5/17

Left In: 1603.100+/-326.854 χ^2/NDF:15.7/13

Left: 1723.115+/-229.567 χ^2/NDF: 27.9/28

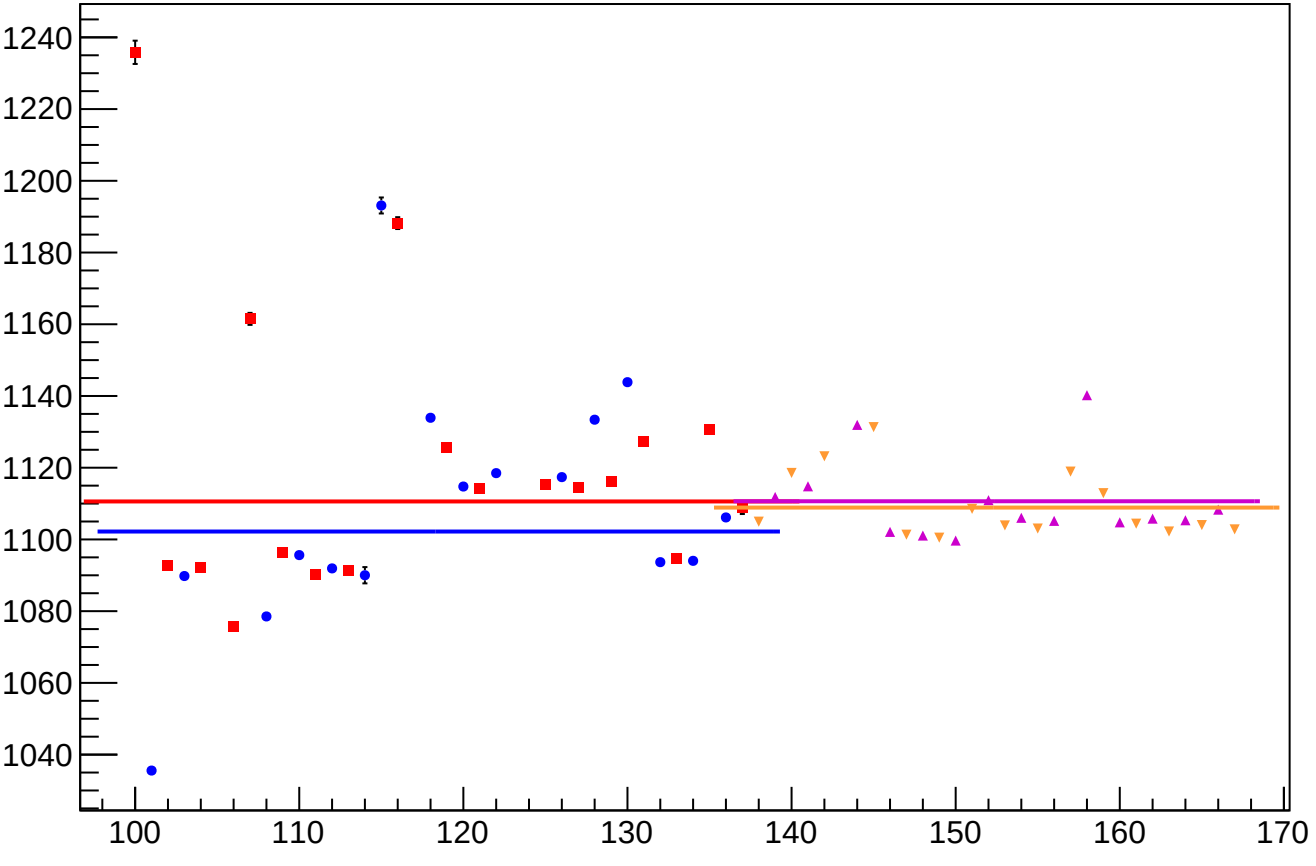
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1703.661+/-255.463 χ^2/NDF:21.3/29

Out: 1920.745+/-253.304 χ^2/NDF:24.6/32

All: 1813.124+/-179.871 χ^2/NDF: 46.2/62

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1108.884+/-0.228 χ^2/NDF:1501.5/14

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.646+/-0.231 χ^2/NDF:2447.4/13

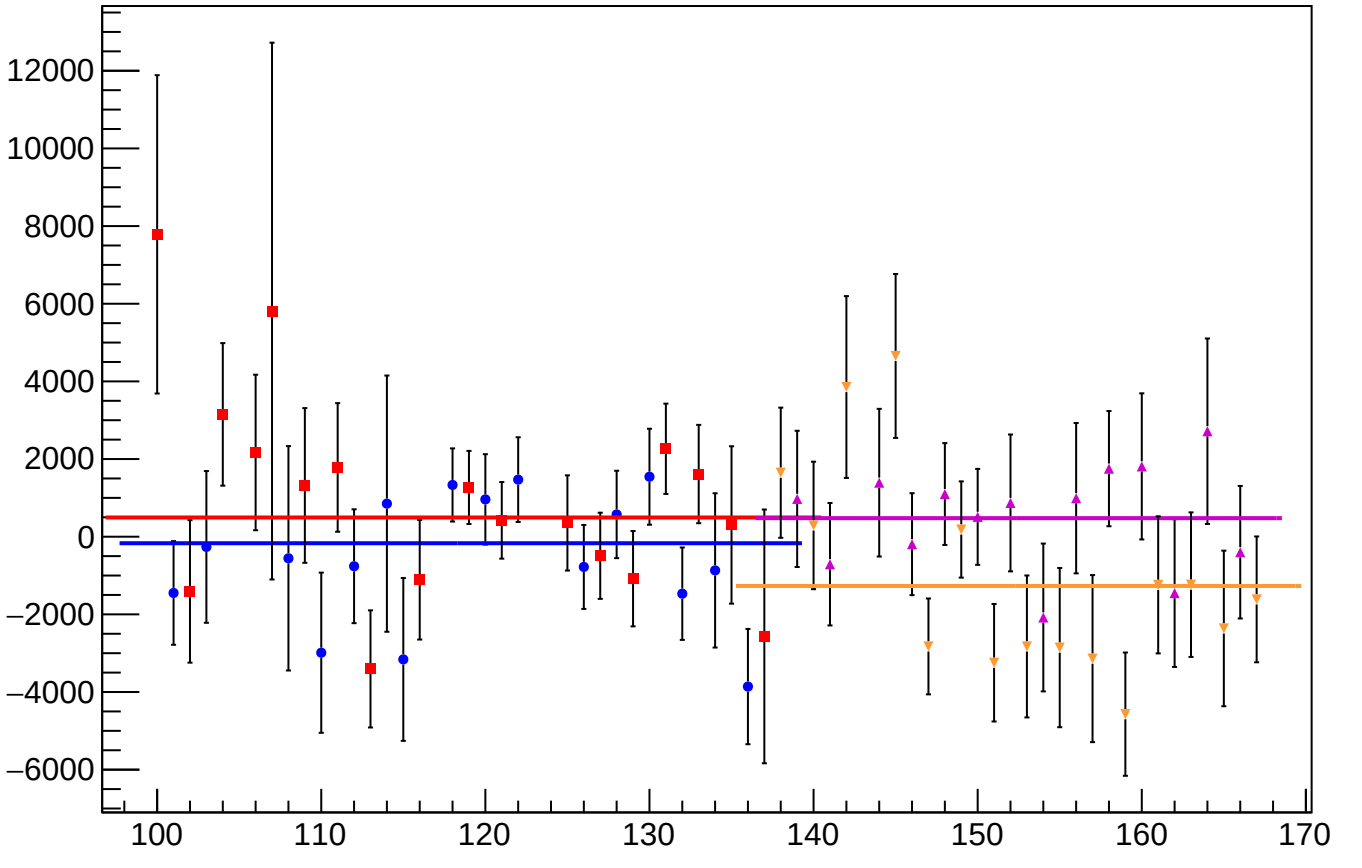
Left: 1109.753+/-0.162 χ^2/NDF: 3978.3/28

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

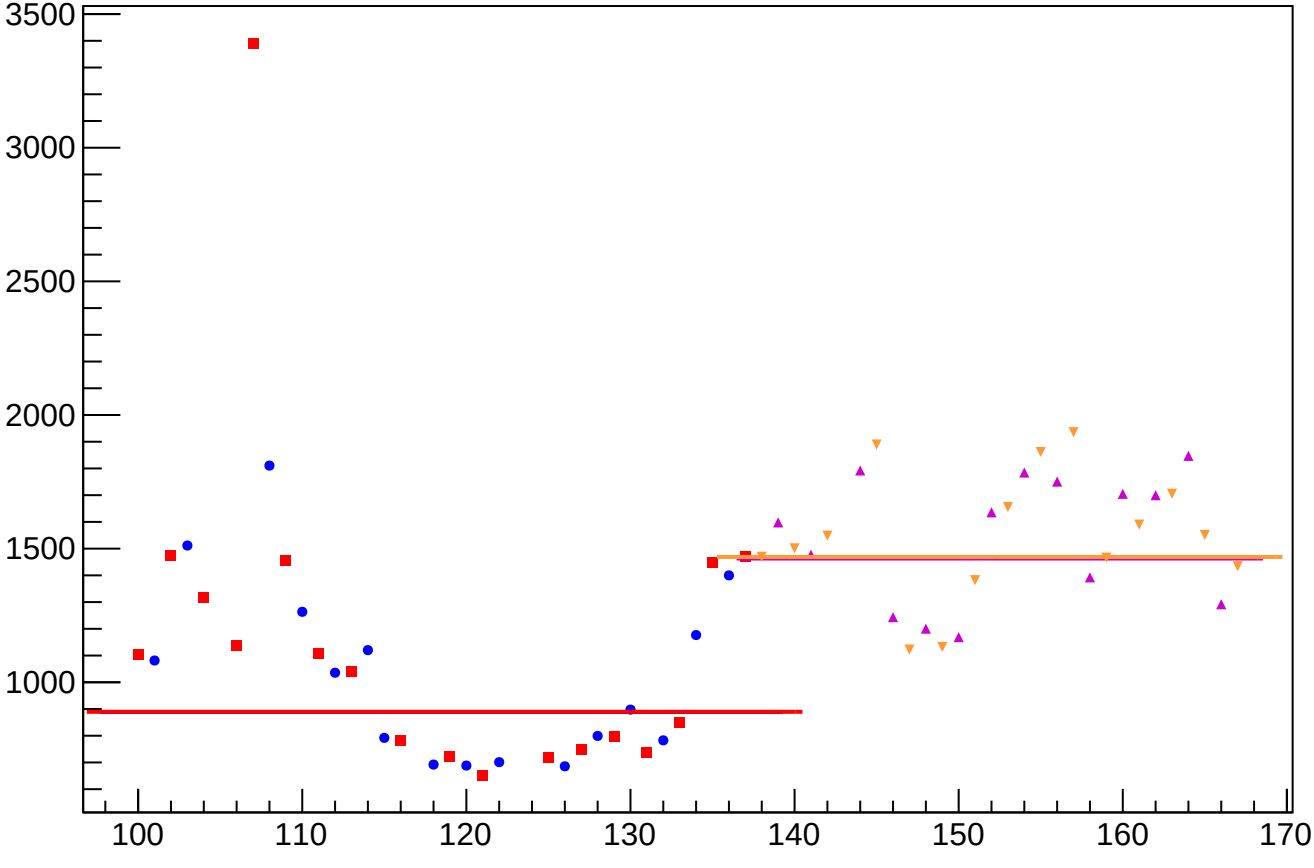
In: 1107.362+/-0.181 χ^2/NDF:14315.4/29

Out: 1109.538+/-0.179 χ^2/NDF:9219.0/32

All: 1108.459+/-0.127 χ^2/NDF: 23607.6/62


asym_usl_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1268.805+/-435.718 χ²/NDF:28.0/14
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 478.115+/-437.832 χ²/NDF:6.7/13
Left: -399.573+/-308.844 χ²/NDF: 42.7/28
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 79.958+/-271.196 χ²/NDF:29.1/29
Out: -184.707+/-270.505 χ²/NDF:61.4/32
All: -52.712+/-191.520 χ²/NDF: 90.9/62

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1468.857+/-0.308 χ^2/NDF:628920.5/14

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1463.034+/-0.310 χ^2/NDF:582327.0/13

Left: 1465.959+/-0.218 χ^2/NDF: 1211425.2/28

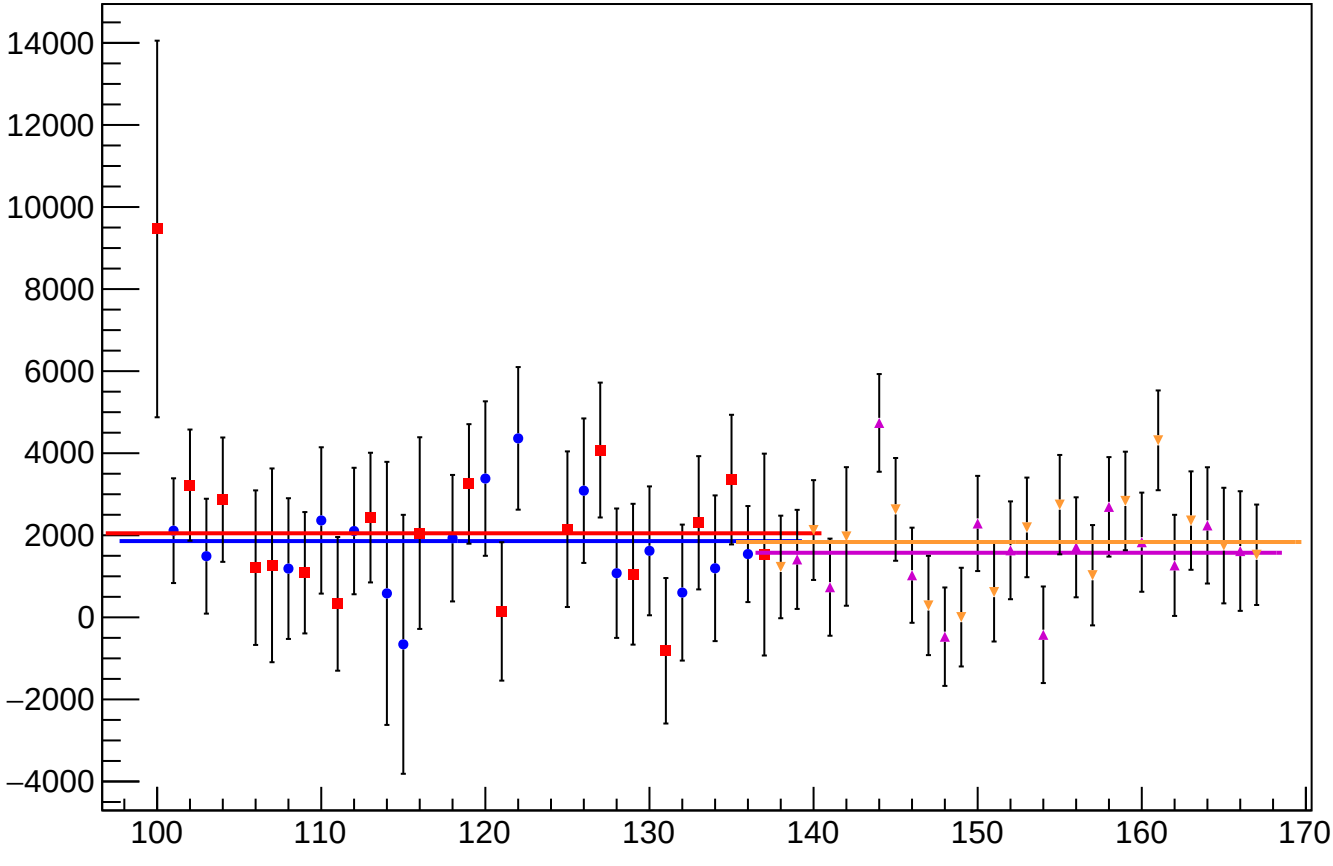
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1109.209+/-0.192 χ^2/NDF:3834301.8/29

Out: 1112.785+/-0.191 χ^2/NDF:4147970.2/32

All: 1111.001+/-0.135 χ^2/NDF: 7982446.3/62

overload_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1858.683+/-409.170 χ^2/NDF: 5.4/15

Left Out: 1836.276+/-322.170 χ^2/NDF:11.9/14

Right Out: 2048.674+/-408.894 χ^2/NDF: 12.7/17

Left In: 1573.965+/-326.521 χ^2/NDF:15.2/13

Left: 1706.880+/-229.331 χ^2/NDF: 27.4/28

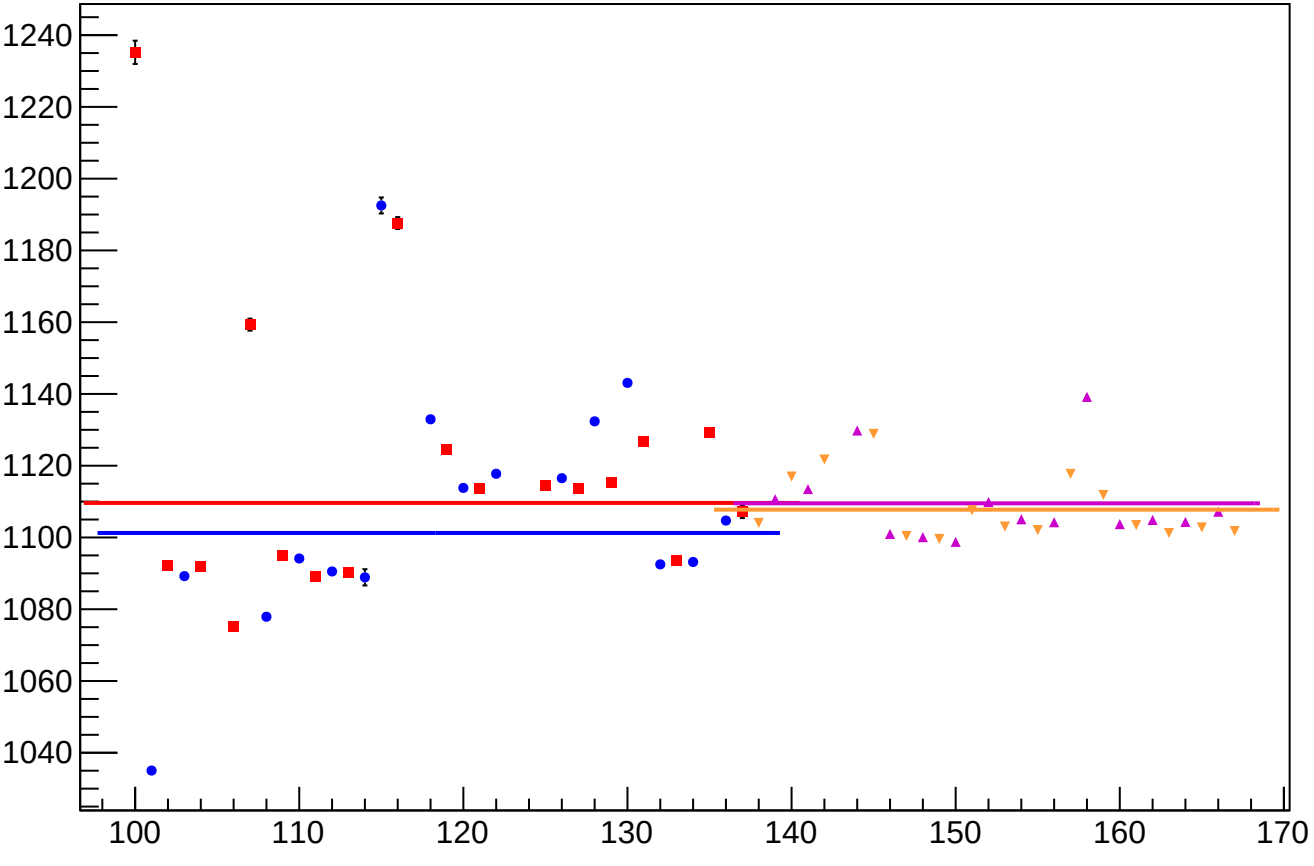
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1684.737+/-255.218 χ^2/NDF:20.9/29

Out: 1917.629+/-253.058 χ^2/NDF:24.8/32

All: 1802.172+/-179.698 χ^2/NDF: 46.1/62

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.254+/-0.289 χ^2/NDF: 11308.3/15

Left Out: 1107.746+/-0.228 χ^2/NDF:1390.7/14

Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1109.519+/-0.231 χ^2/NDF:2377.9/13

Left: 1108.621+/-0.162 χ^2/NDF: 3798.5/28

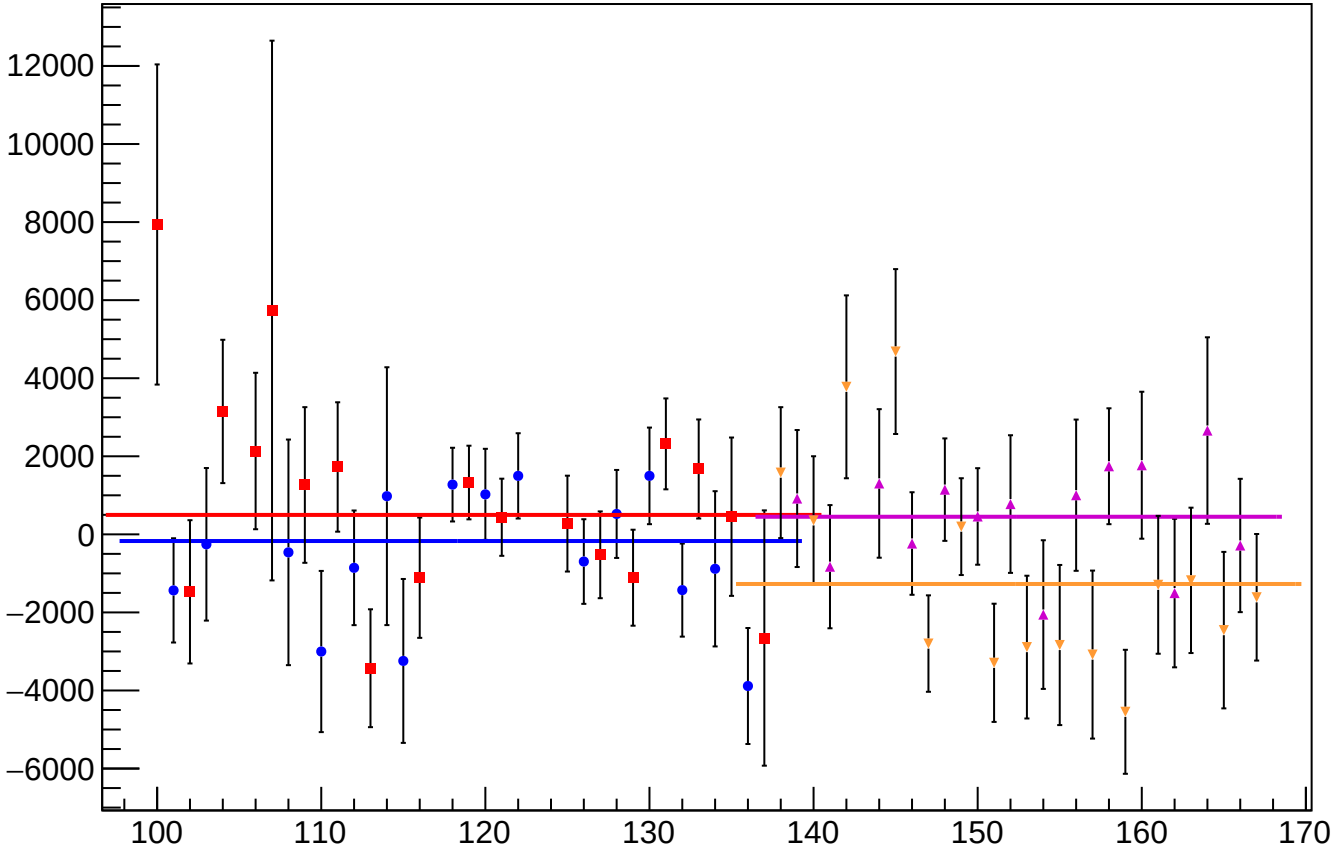
Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

In: 1106.304+/-0.180 χ^2/NDF:14184.6/29

Out: 1108.467+/-0.179 χ^2/NDF:9090.0/32

All: 1107.395+/-0.127 χ^2/NDF: 23347.1/62

asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -170.930+/-345.980 χ^2/NDF: 20.9/15

Left Out: -1271.589+/-435.978 χ^2/NDF:27.9/14

Right Out: 497.957+/-345.565 χ^2/NDF: 23.9/17

Left In: 450.764+/-438.097 χ^2/NDF:6.7/13

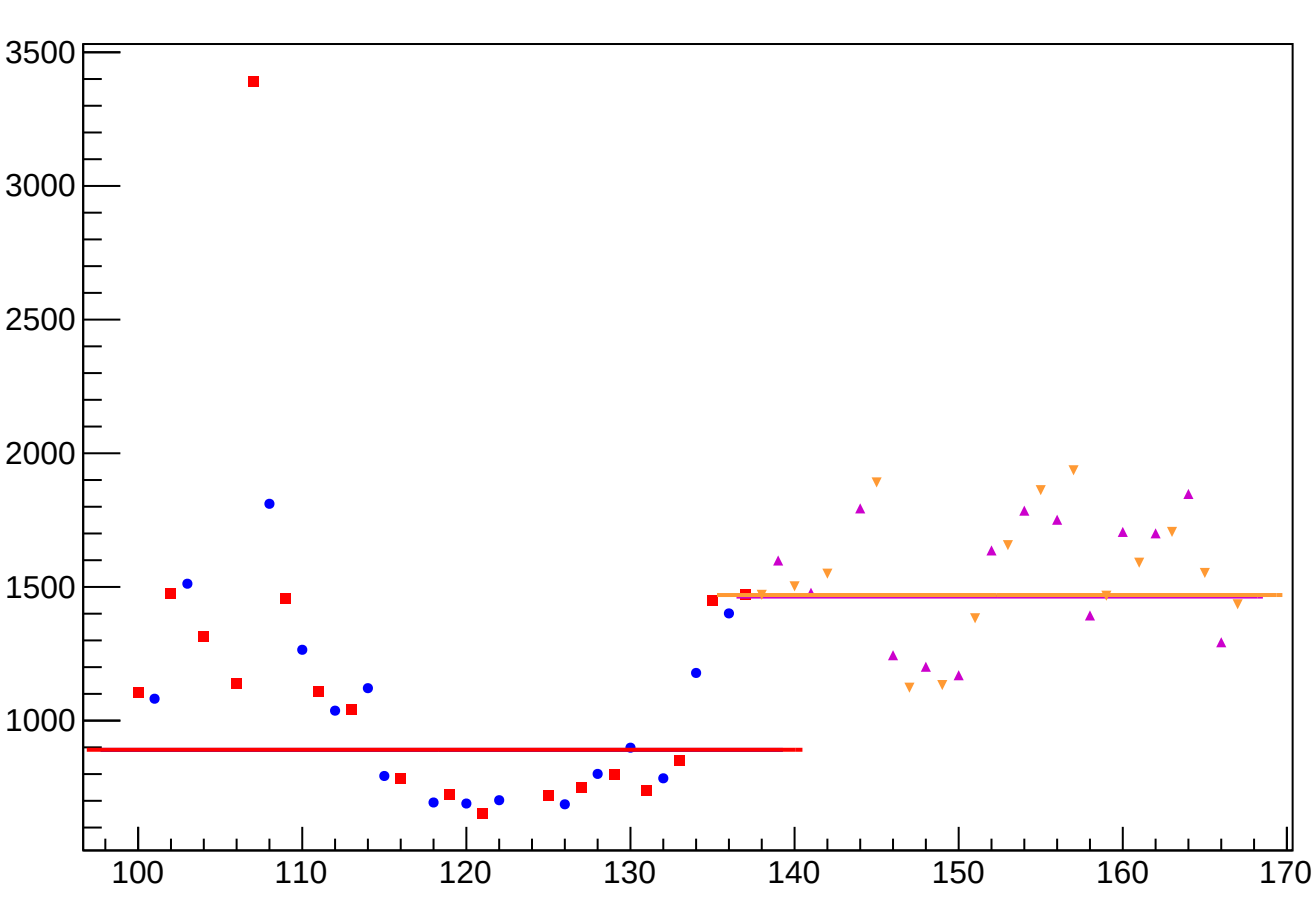
Left: -414.589+/-309.029 χ^2/NDF: 42.3/28

Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: 67.872+/-271.520 χ^2/NDF:28.8/29

Out: -184.810+/-270.813 χ^2/NDF:61.9/32

All: -58.798+/-191.743 χ^2/NDF: 91.2/62



Right In: 890.495+/-0.245 χ^2/NDF: 1128739.3/15

Left Out: 1469.776+/-0.308 χ^2/NDF:627956.8/14

Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

Left In: 1463.959+/-0.310 χ^2/NDF:581333.7/13

Left: 1466.882+/-0.219 χ^2/NDF: 1209467.6/28

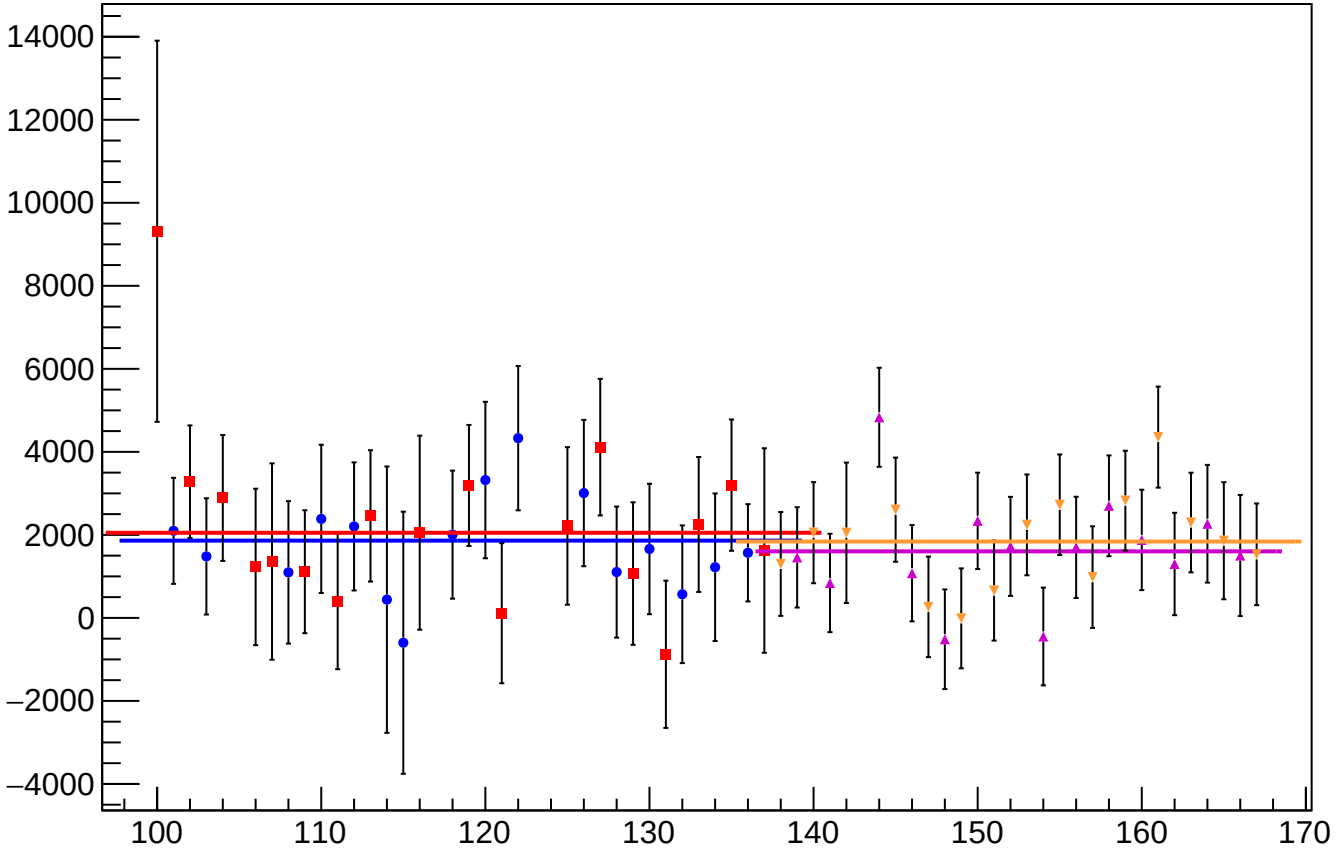
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1110.771+/-0.192 χ^2/NDF:3820654.0/29

Out: 1114.279+/-0.191 χ^2/NDF:4134940.2/32

All: 1112.530+/-0.136 χ^2/NDF: 7955761.5/62

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1839.955+/-322.503 χ^2/NDF:11.9/14

Right Out: 2050.842+/-409.249 χ^2/NDF: 12.5/17

Left In: 1603.100+/-326.854 χ^2/NDF:15.7/13

Left: 1723.115+/-229.567 χ^2/NDF: 27.9/28

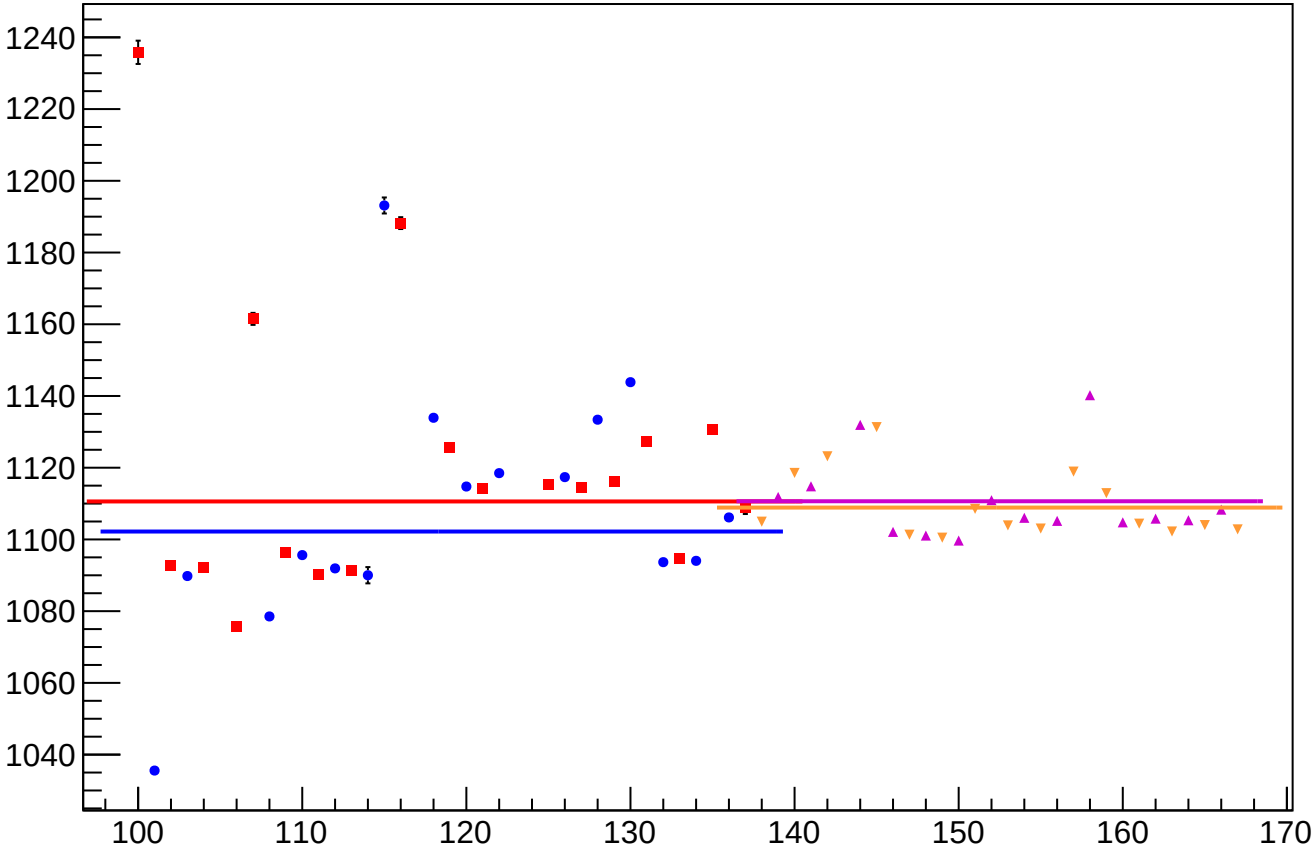
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1703.661+/-255.463 χ^2/NDF:21.3/29

Out: 1920.745+/-253.304 χ^2/NDF:24.6/32

All: 1813.124+/-179.871 χ^2/NDF: 46.2/62

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1108.884+/-0.228 χ^2/NDF:1501.5/14

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.646+/-0.231 χ^2/NDF:2447.4/13

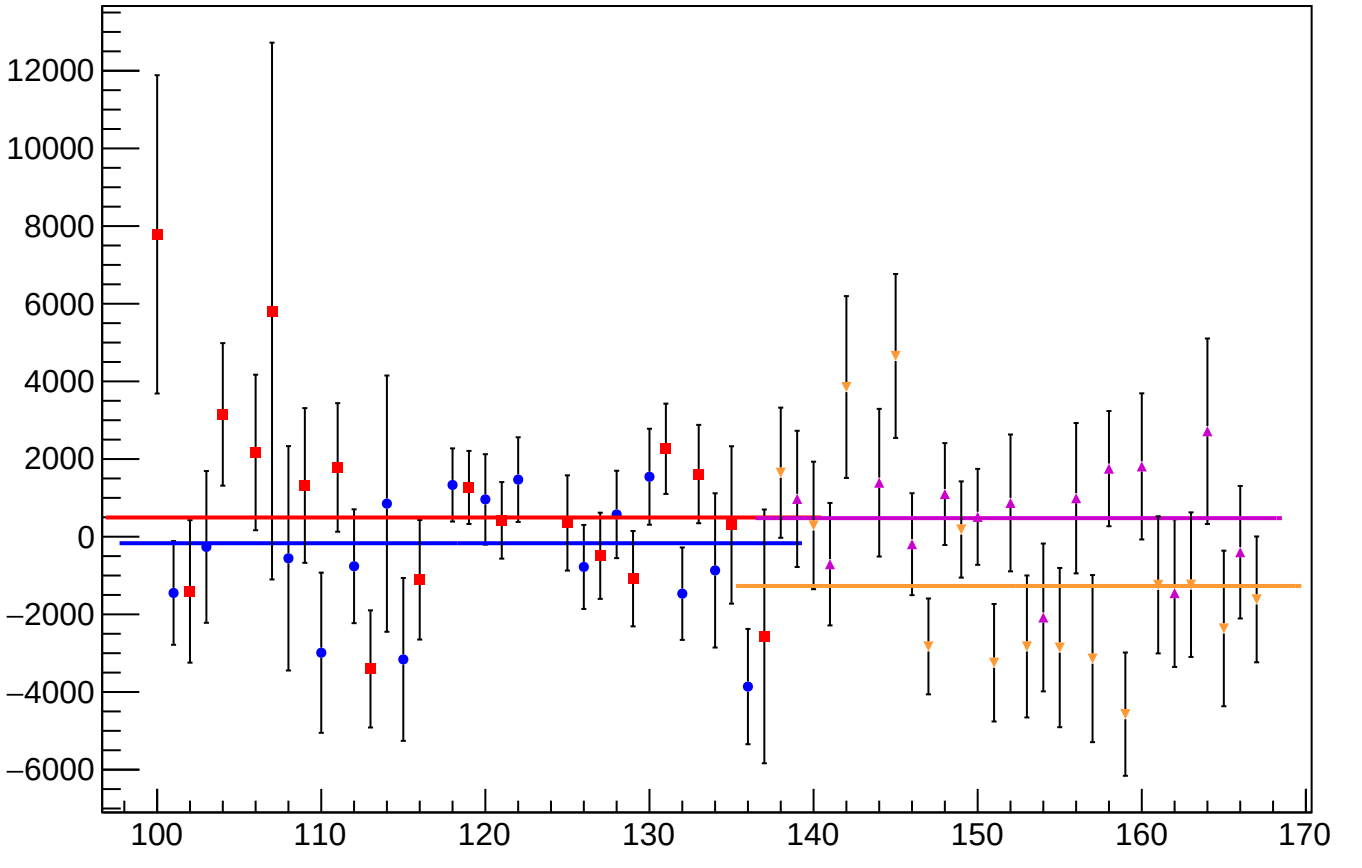
Left: 1109.753+/-0.162 χ^2/NDF: 3978.3/28

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1107.362+/-0.181 χ^2/NDF:14315.4/29

Out: 1109.538+/-0.179 χ^2/NDF:9219.0/32

All: 1108.459+/-0.127 χ^2/NDF: 23607.6/62



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -1268.805+/-435.718 χ^2/NDF:28.0/14

Right Out: 495.172+/-345.054 χ^2/NDF: 23.3/17

Left In: 478.115+/-437.832 χ^2/NDF:6.7/13

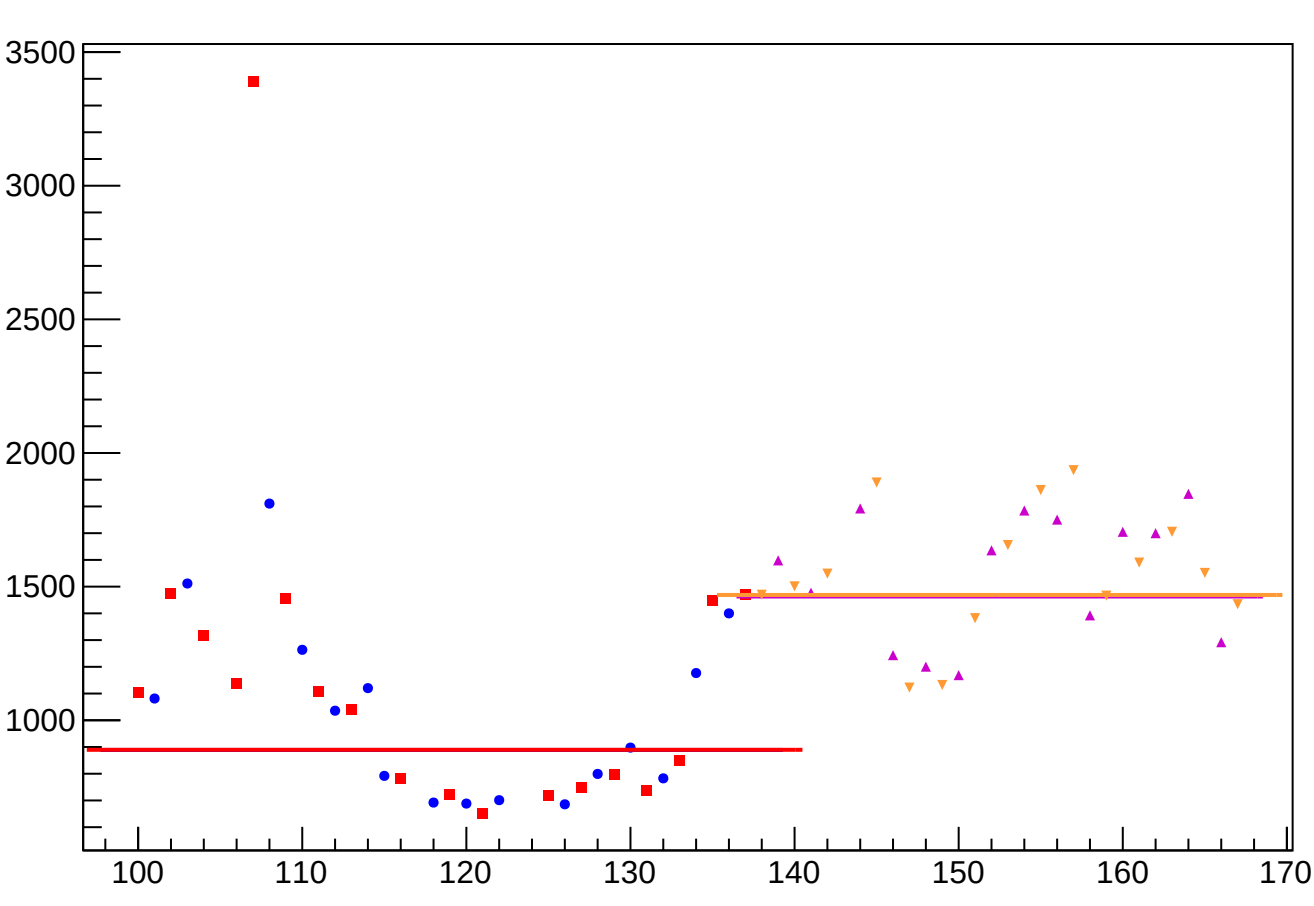
Left: -399.573+/-308.844 χ^2/NDF: 42.7/28

Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 79.958+/-271.196 χ^2/NDF:29.1/29

Out: -184.707+/-270.505 χ^2/NDF:61.4/32

All: -52.712+/-191.520 χ^2/NDF: 90.9/62



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1468.857+/-0.308 χ^2/NDF:628920.5/14

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1463.034+/-0.310 χ^2/NDF:582327.0/13

Left: 1465.959+/-0.218 χ^2/NDF: 1211425.2/28

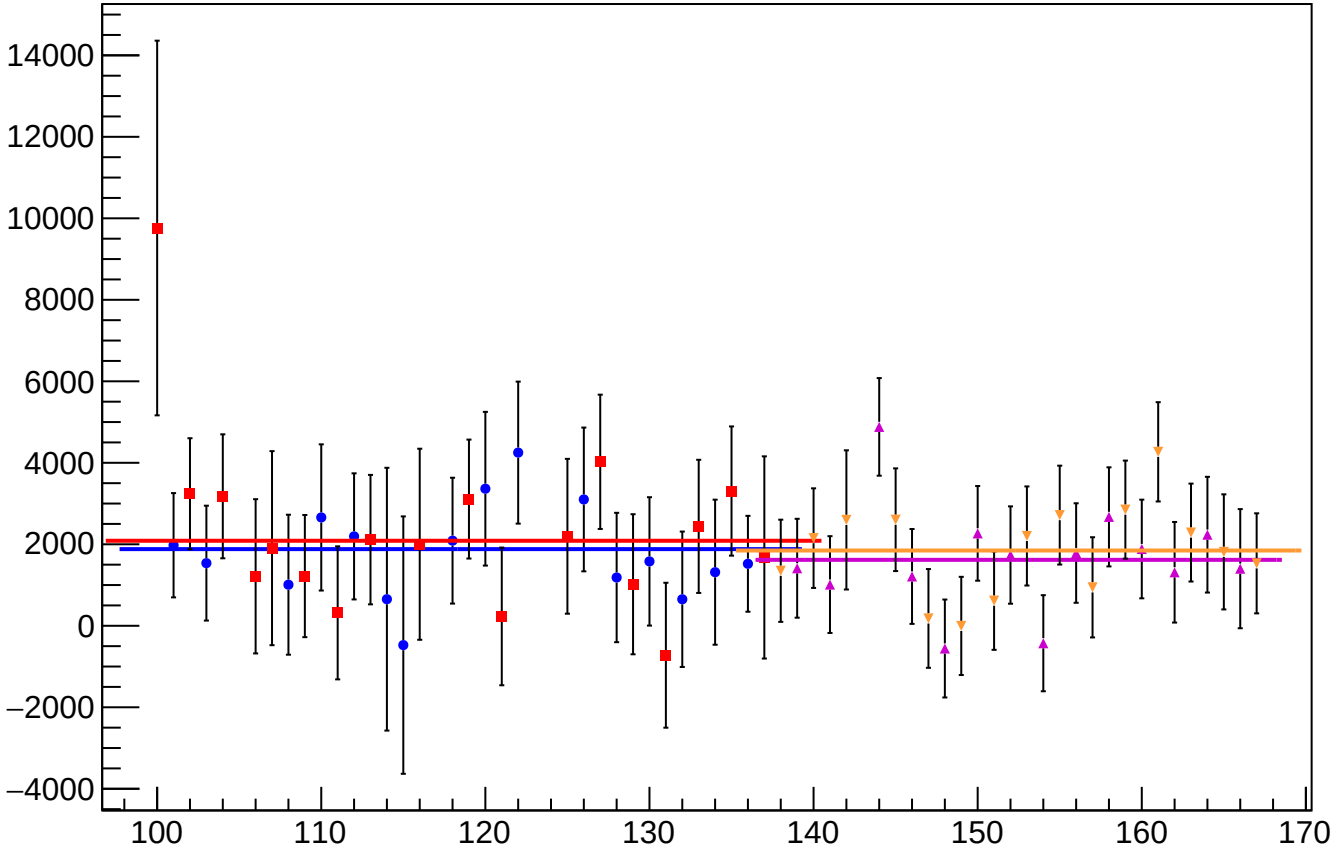
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1109.209+/-0.192 χ^2/NDF:3834301.8/29

Out: 1112.785+/-0.191 χ^2/NDF:4147970.2/32

All: 1111.001+/-0.135 χ^2/NDF: 7982446.3/62

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1847.685+/-323.203 χ^2/NDF:12.1/14

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1618.435+/-327.455 χ^2/NDF:15.5/13

Left: 1734.558+/-230.028 χ^2/NDF: 27.8/28

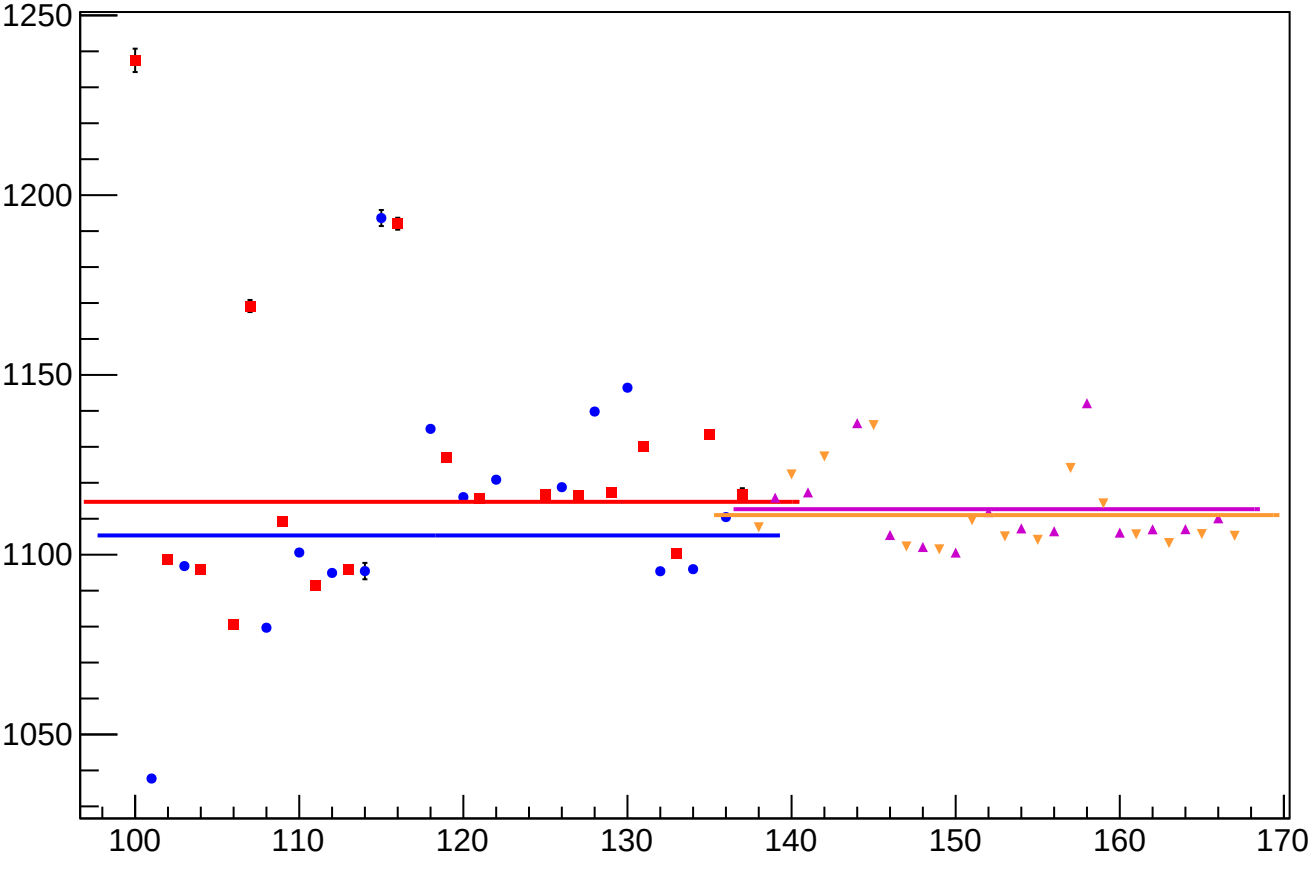
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1720.682+/-256.035 χ^2/NDF:21.0/29

Out: 1939.144+/-254.007 χ^2/NDF:24.6/32

All: 1830.782+/-180.323 χ^2/NDF: 46.0/62

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1111.014+/-0.229 χ^2/NDF:1936.7/14

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1112.662+/-0.232 χ^2/NDF:2691.2/13

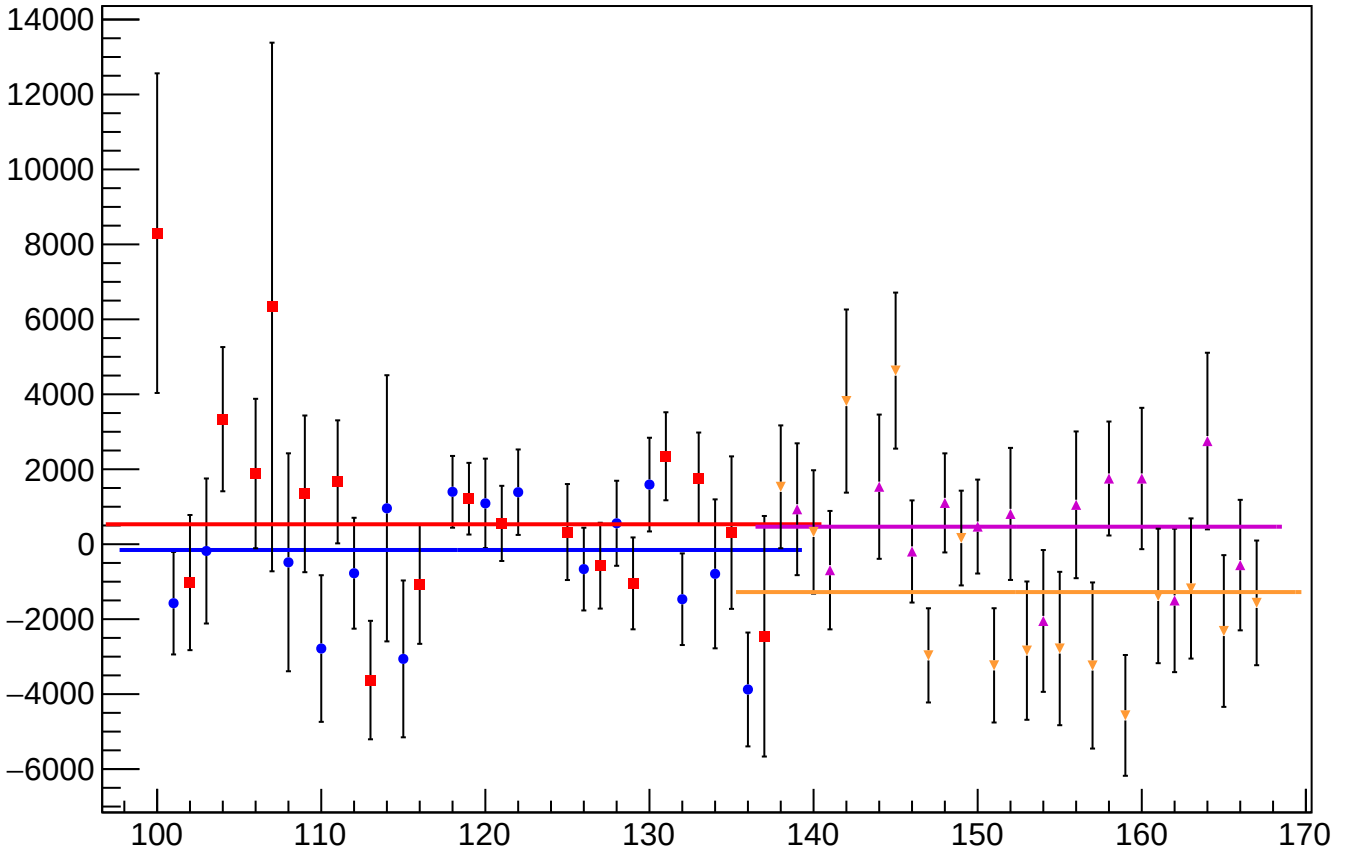
Left: 1111.827+/-0.163 χ^2/NDF: 4653.6/28

Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

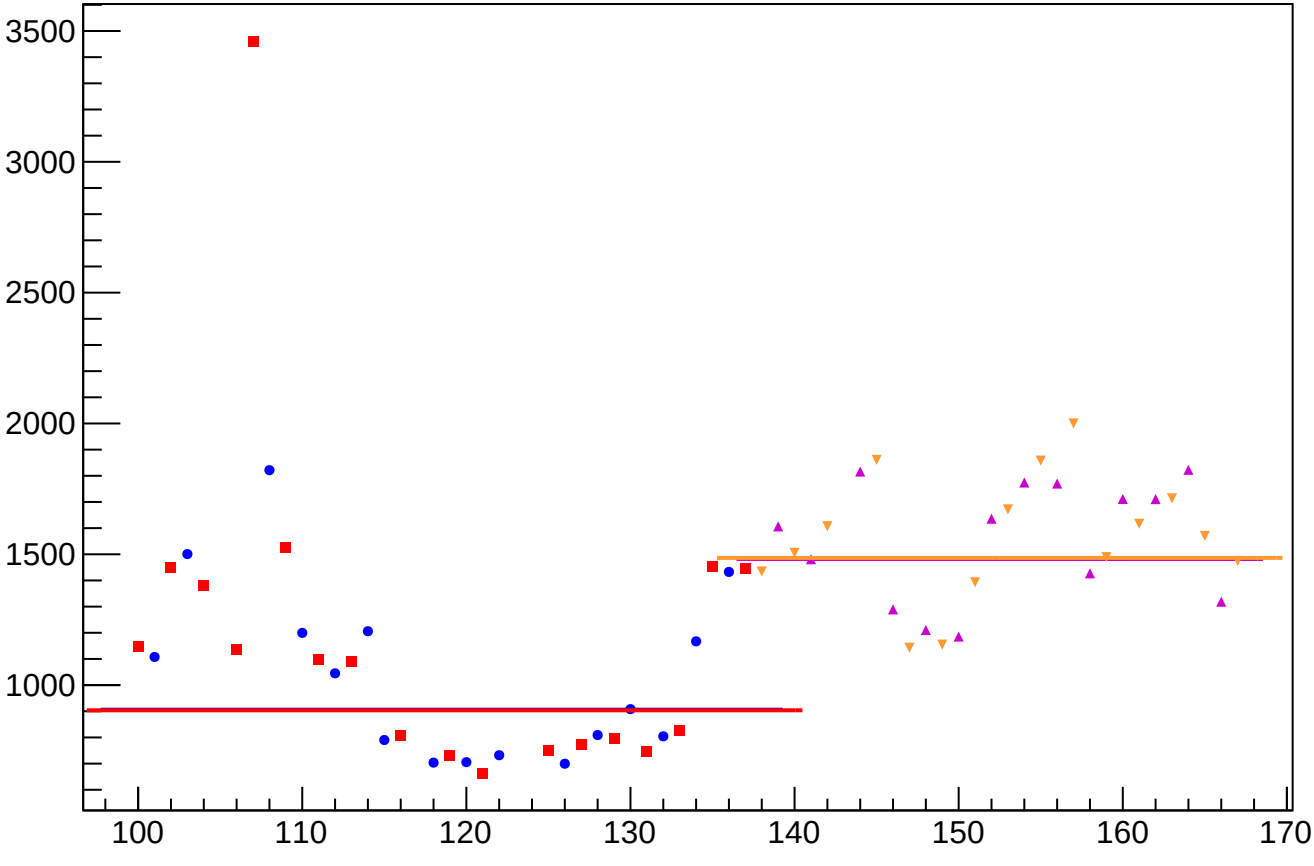
In: 1109.822+/-0.181 χ^2/NDF:14409.1/29

Out: 1112.425+/-0.180 χ^2/NDF:9366.8/32

All: 1111.134+/-0.128 χ^2/NDF: 23880.1/62


asym_usl_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: -1277.077+/-440.570 χ²/NDF:27.6/14
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 466.868+/-442.775 χ²/NDF:6.8/13
Left: -409.458+/-312.307 χ²/NDF: 42.1/28
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: 85.864+/-275.211 χ²/NDF:28.5/29
Out: -168.873+/-274.243 χ²/NDF:61.1/32
All: -41.953+/-194.260 χ²/NDF: 90.0/62

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1486.266+/-0.312 χ^2/NDF:603820.7/14

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1482.020+/-0.313 χ^2/NDF:533322.4/13

Left: 1484.154+/-0.221 χ^2/NDF: 1137235.5/28

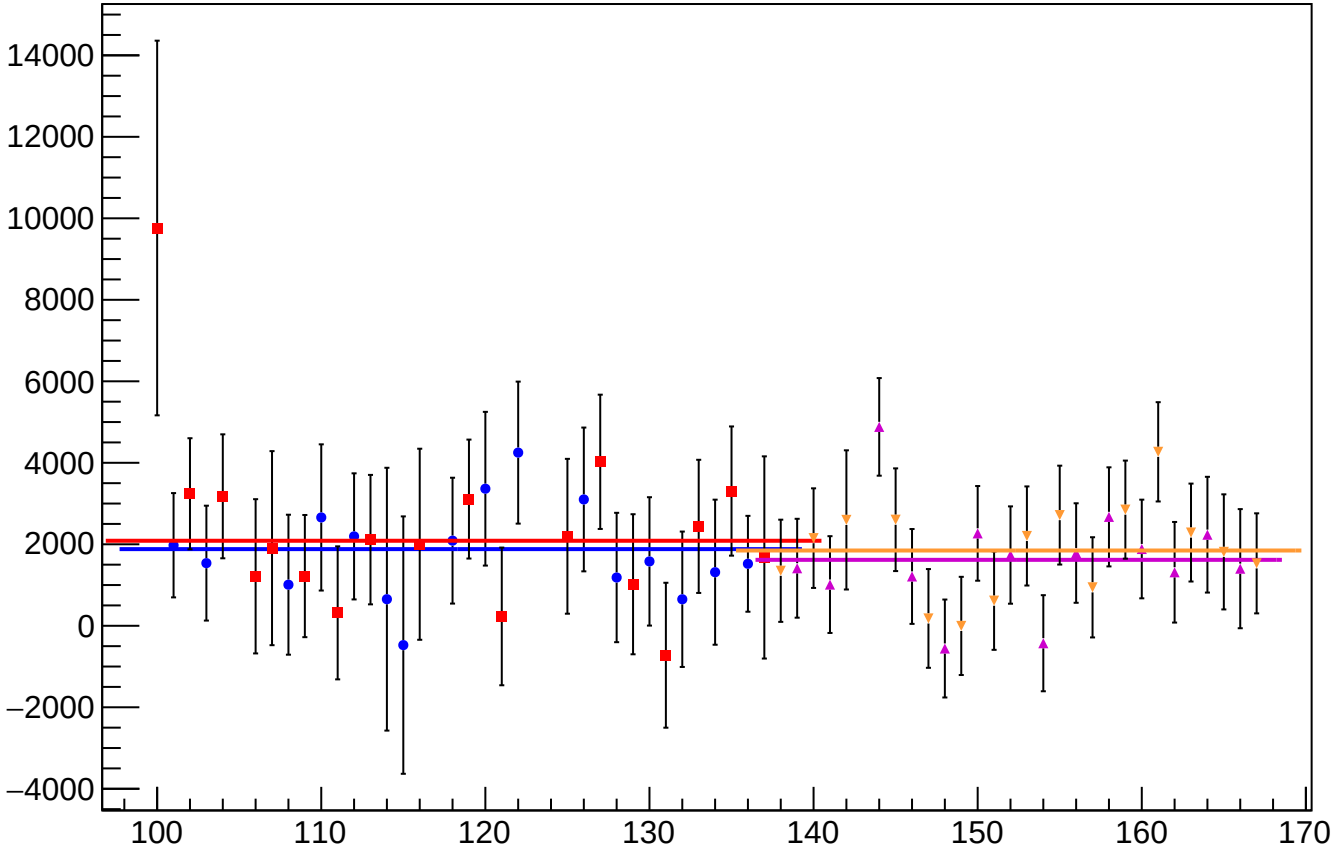
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1128.559+/-0.195 χ^2/NDF:3689659.2/29

Out: 1129.461+/-0.194 χ^2/NDF:4085396.3/32

All: 1129.012+/-0.137 χ^2/NDF: 7775066.3/62

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1847.680+/-323.203 χ^2/NDF:12.1/14

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1618.437+/-327.455 χ^2/NDF:15.5/13

Left: 1734.557+/-230.028 χ^2/NDF: 27.8/28

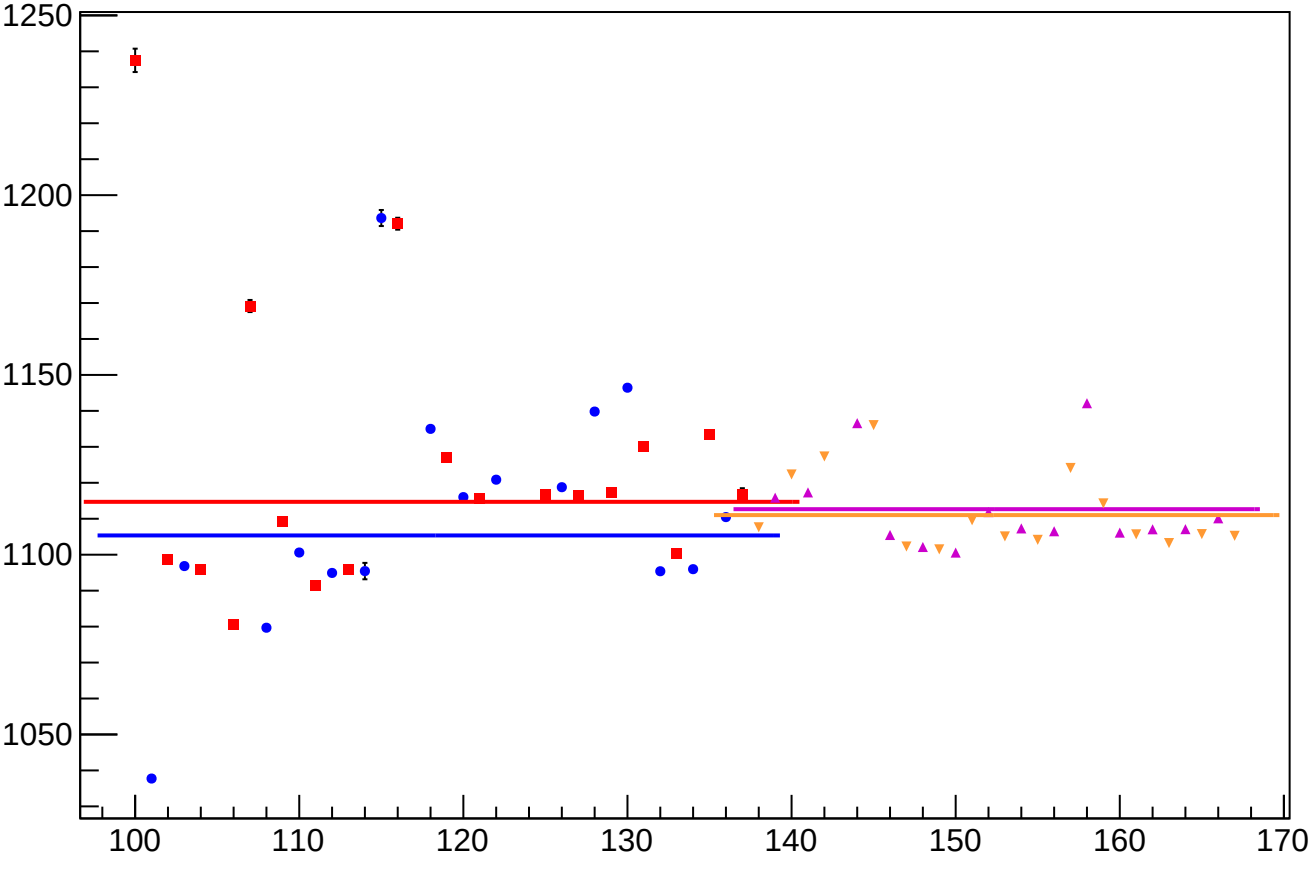
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1720.684+/-256.035 χ^2/NDF:21.0/29

Out: 1939.140+/-254.007 χ^2/NDF:24.6/32

All: 1830.780+/-180.323 χ^2/NDF: 46.0/62

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1111.014+/-0.229 χ^2/NDF:1936.7/14

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1112.662+/-0.232 χ^2/NDF:2691.2/13

Left: 1111.827+/-0.163 χ^2/NDF: 4653.6/28

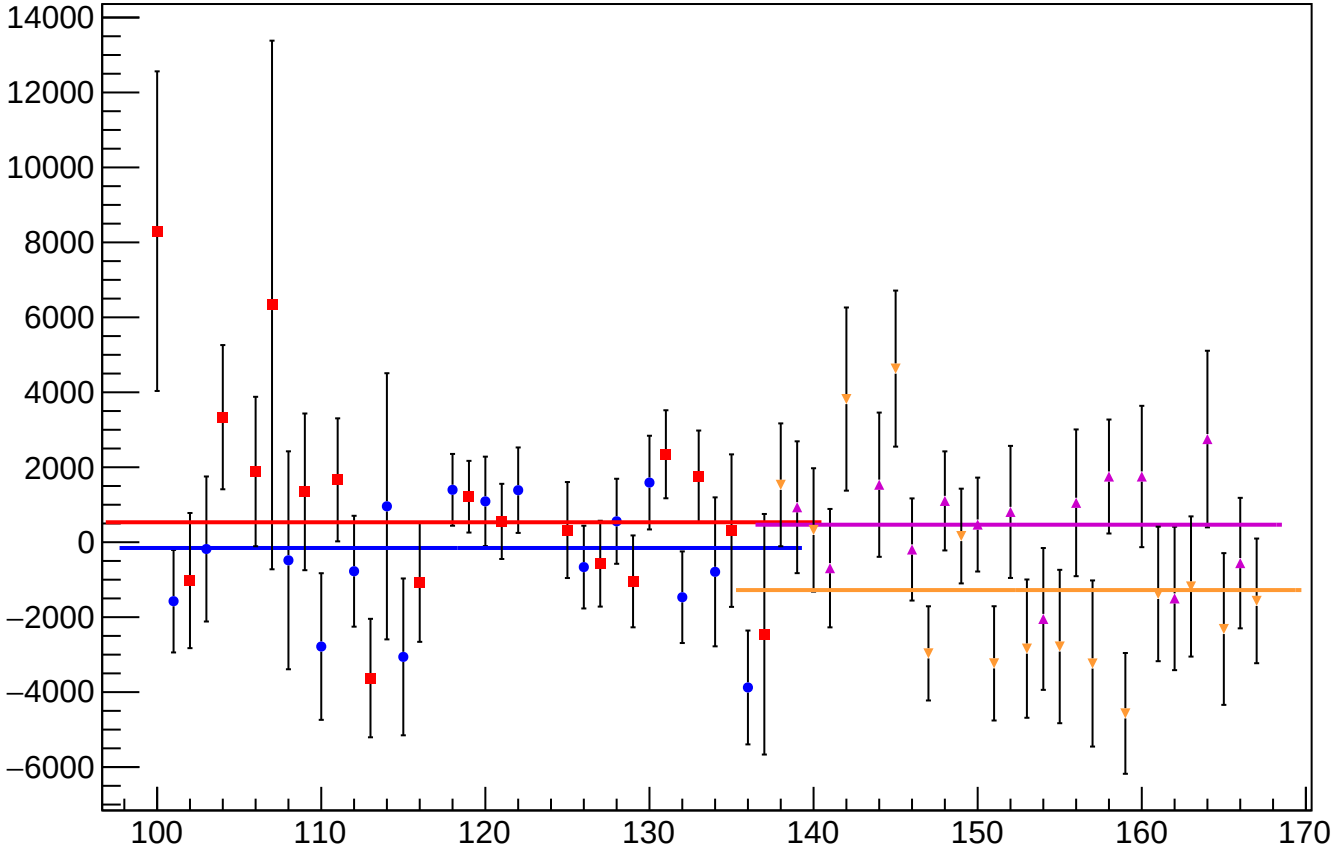
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1109.822+/-0.181 χ^2/NDF:14409.1/29

Out: 1112.425+/-0.180 χ^2/NDF:9366.7/32

All: 1111.134+/-0.128 χ^2/NDF: 23880.0/62

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -1277.082+/-440.570 χ^2/NDF:27.6/14

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 466.870+/-442.776 χ^2/NDF:6.8/13

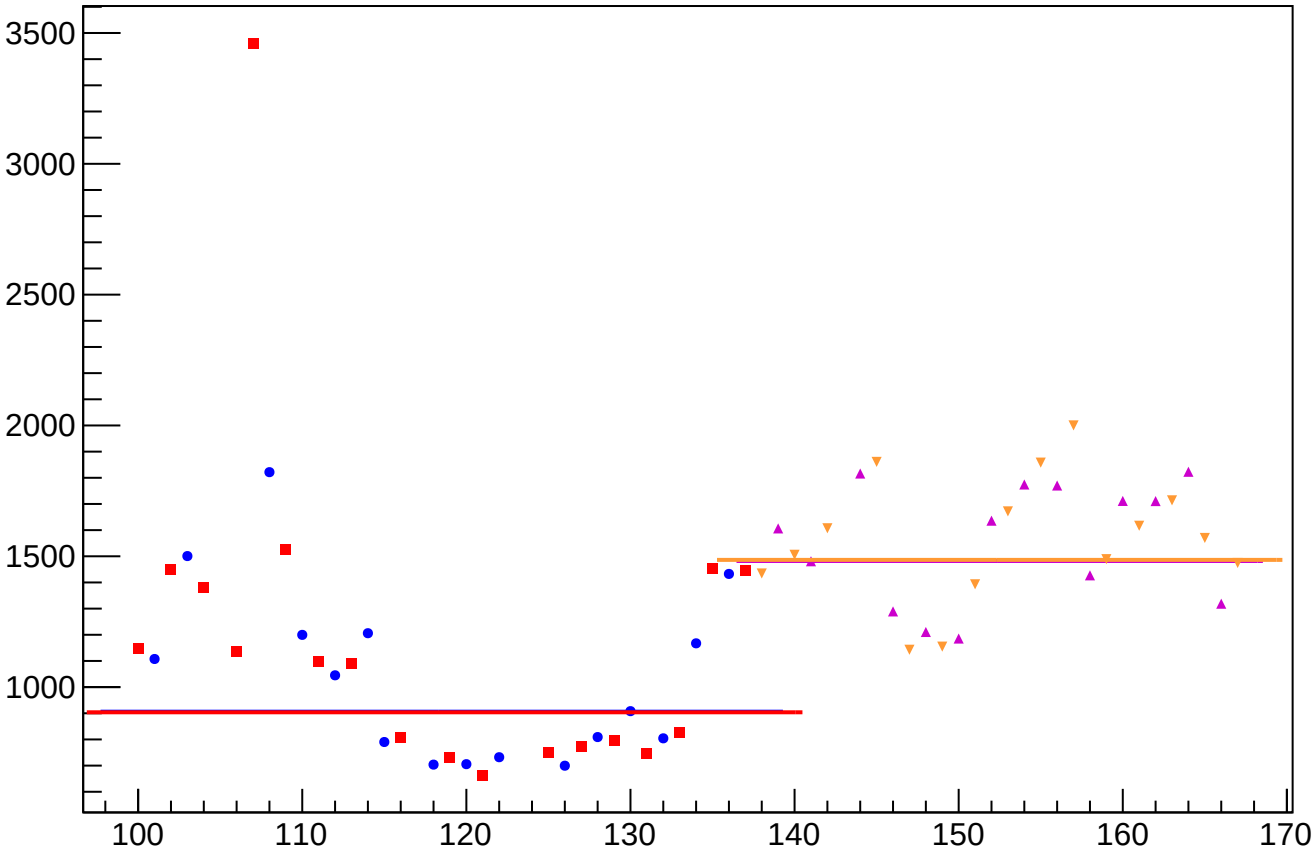
Left: -409.460+/-312.307 χ^2/NDF: 42.1/28

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: 85.865+/-275.211 χ^2/NDF:28.5/29

Out: -168.873+/-274.243 χ^2/NDF:61.1/32

All: -41.953+/-194.260 χ^2/NDF: 90.0/62



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1486.268+/-0.312 χ^2/NDF:603817.4/14

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1482.022+/-0.313 χ^2/NDF:533319.2/13

Left: 1484.156+/-0.221 χ^2/NDF: 1137229.0/28

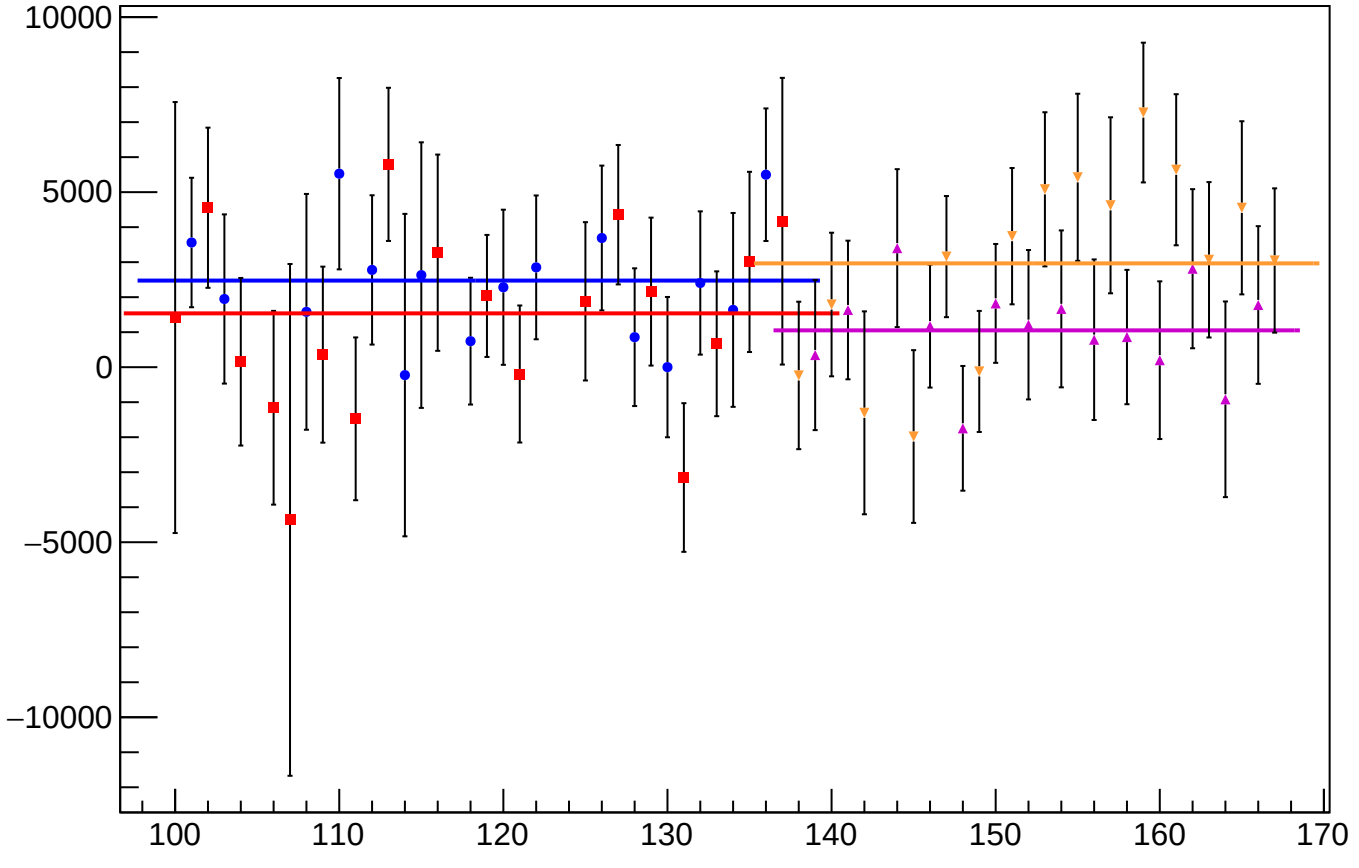
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1128.558+/-0.195 χ^2/NDF:3689688.6/29

Out: 1129.460+/-0.194 χ^2/NDF:4085426.5/32

All: 1129.010+/-0.137 χ^2/NDF: 7775125.8/62

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2965.915+/-551.607 χ^2/NDF:21.2/14

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1051.932+/-554.571 χ^2/NDF:5.4/13

Left: 2014.052+/-391.089 χ^2/NDF: 32.6/28

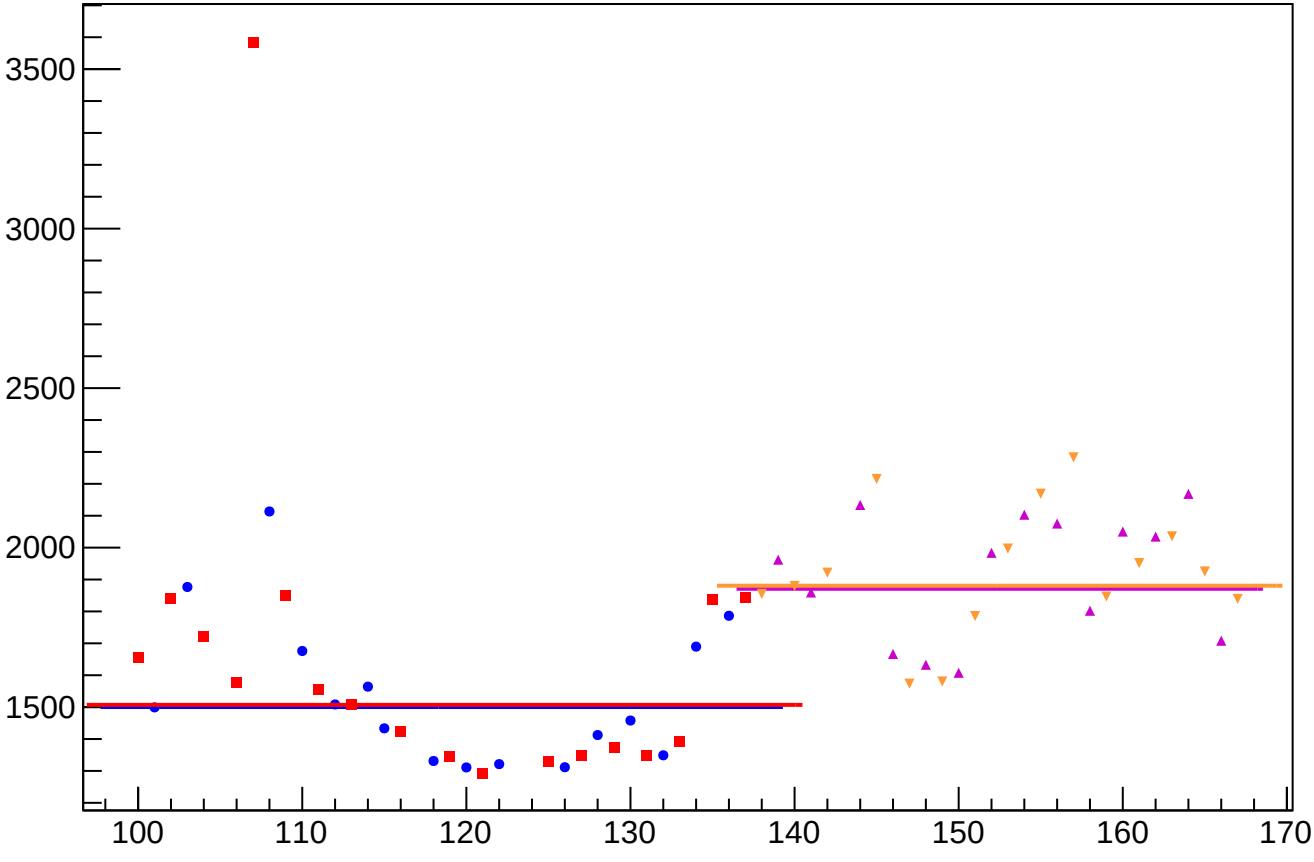
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1752.531+/-395.017 χ^2/NDF:16.9/29

Out: 2266.980+/-394.202 χ^2/NDF:43.0/32

All: 2010.287+/-279.030 χ^2/NDF: 60.7/62

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1880.569+/-0.390 χ^2/NDF:265466.0/14

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1871.019+/-0.392 χ^2/NDF:243420.5/13

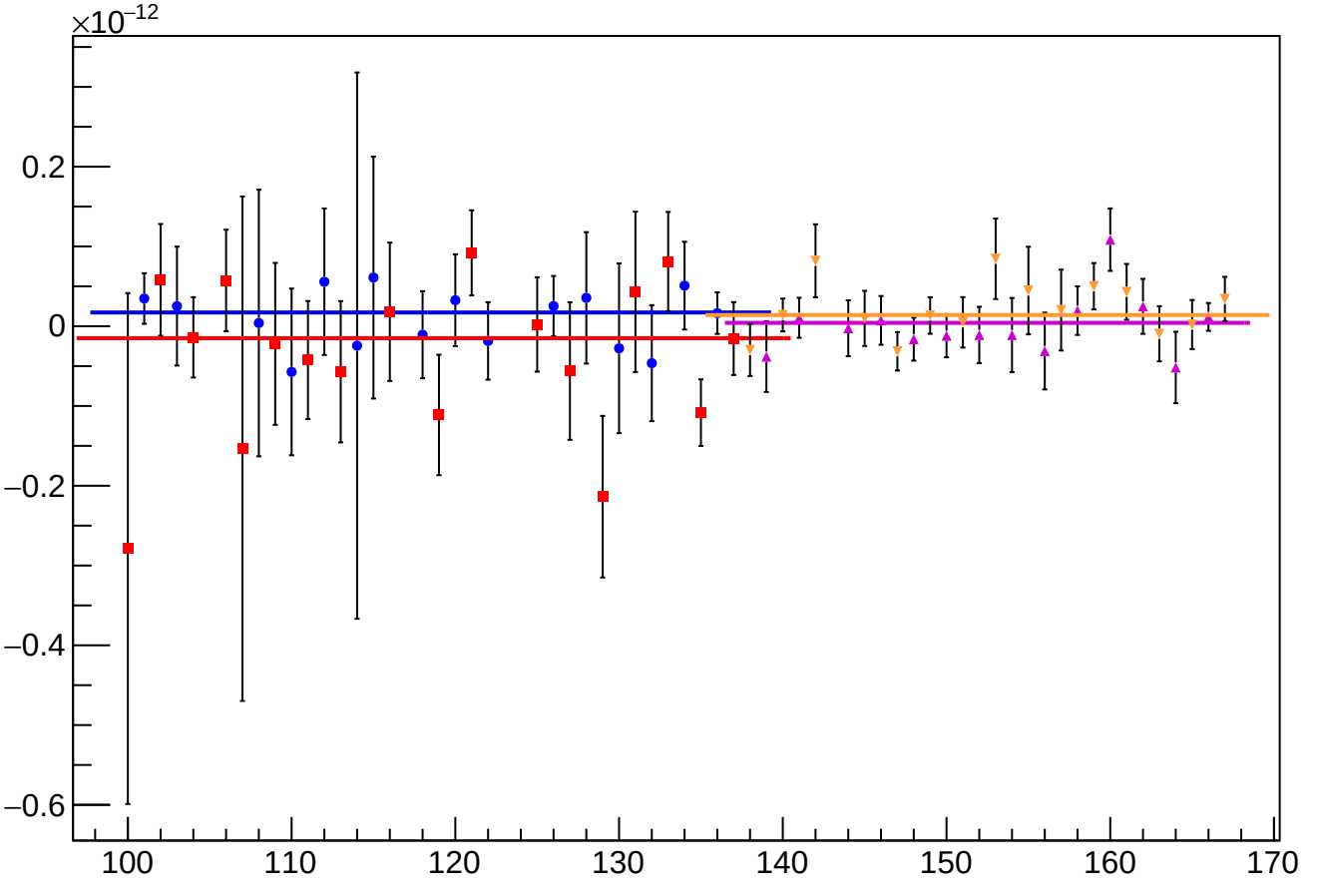
Left: 1875.820+/-0.277 χ^2/NDF: 509184.7/28

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1688.426+/-0.279 χ^2/NDF:942315.2/29

Out: 1697.835+/-0.279 χ^2/NDF:1115282.8/32

All: 1693.140+/-0.197 χ^2/NDF: 2058166.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:12.2/13

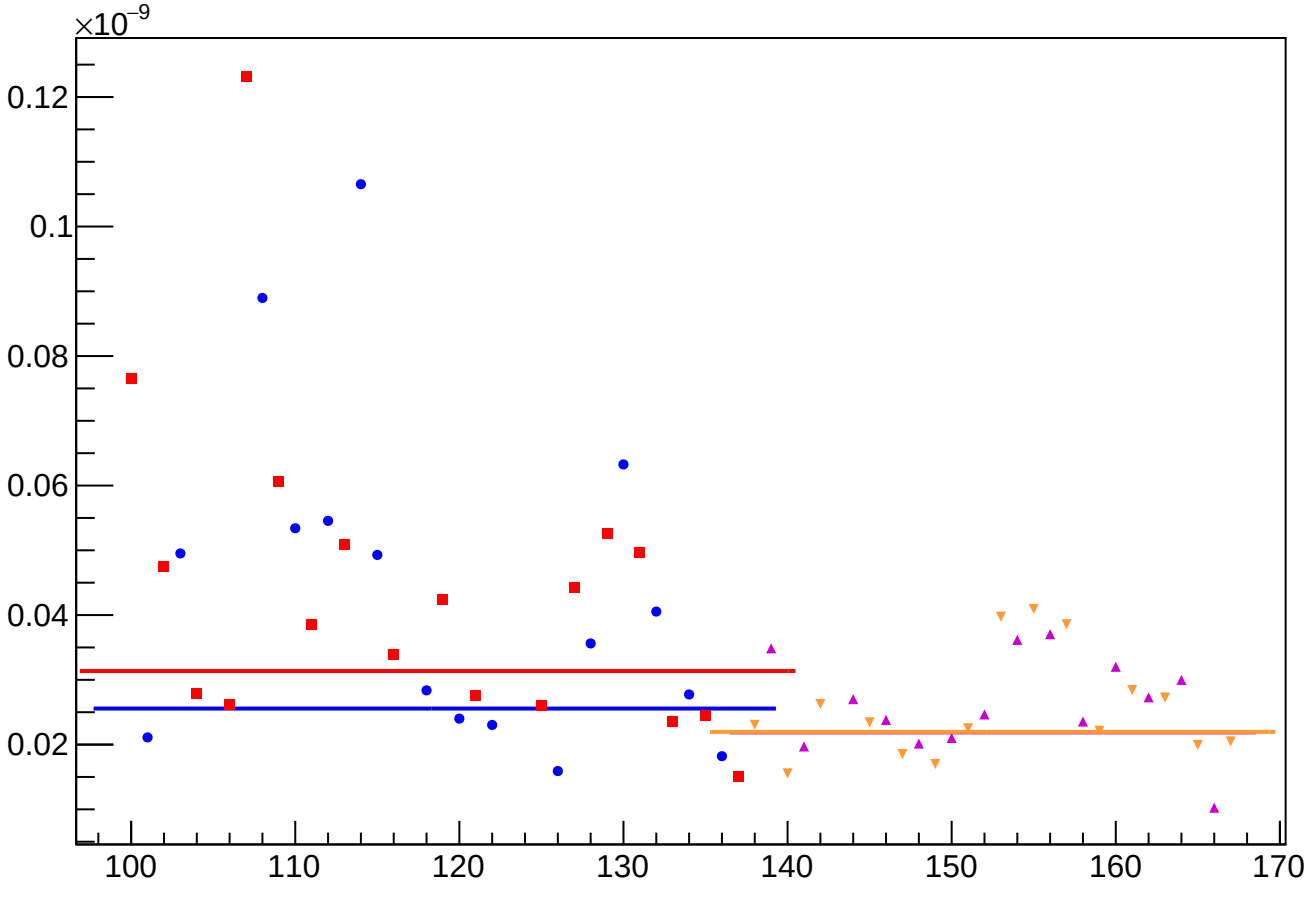
Left: 0.000+/-0.000 χ^2/NDF: 26.3/28

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:16.3/29

Out: 0.000+/-0.000 χ^2/NDF:37.2/32

All: 0.000+/-0.000 χ^2/NDF: 53.6/62



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1186287.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1793026.3/13

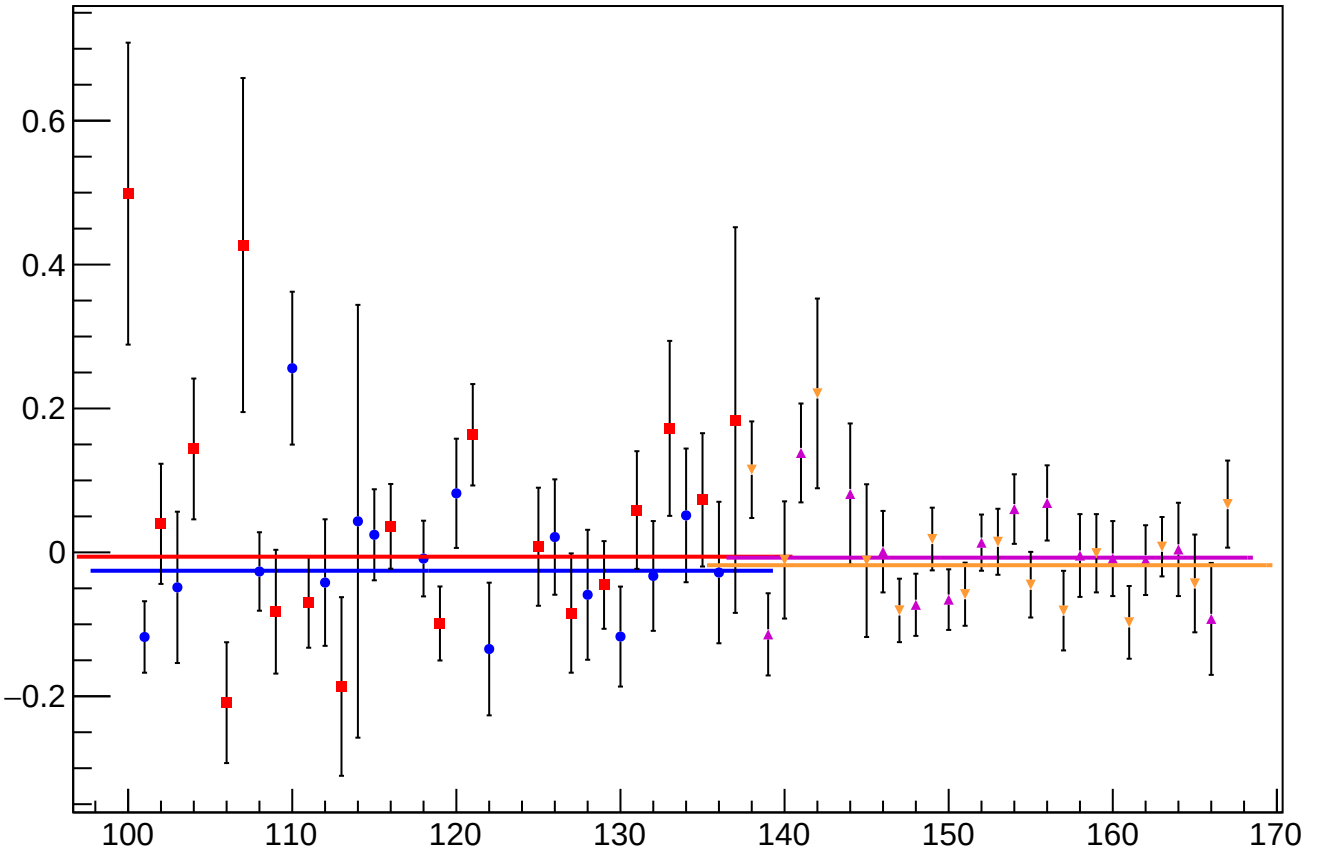
Left: 0.000+/-0.000 χ^2/NDF: 2979407.6/28

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:3608951.5/29

Out: 0.000+/-0.000 χ^2/NDF:2961215.6/32

All: 0.000+/-0.000 χ^2/NDF: 6588191.1/62



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.007+/-0.014 χ^2/NDF:18.6/13

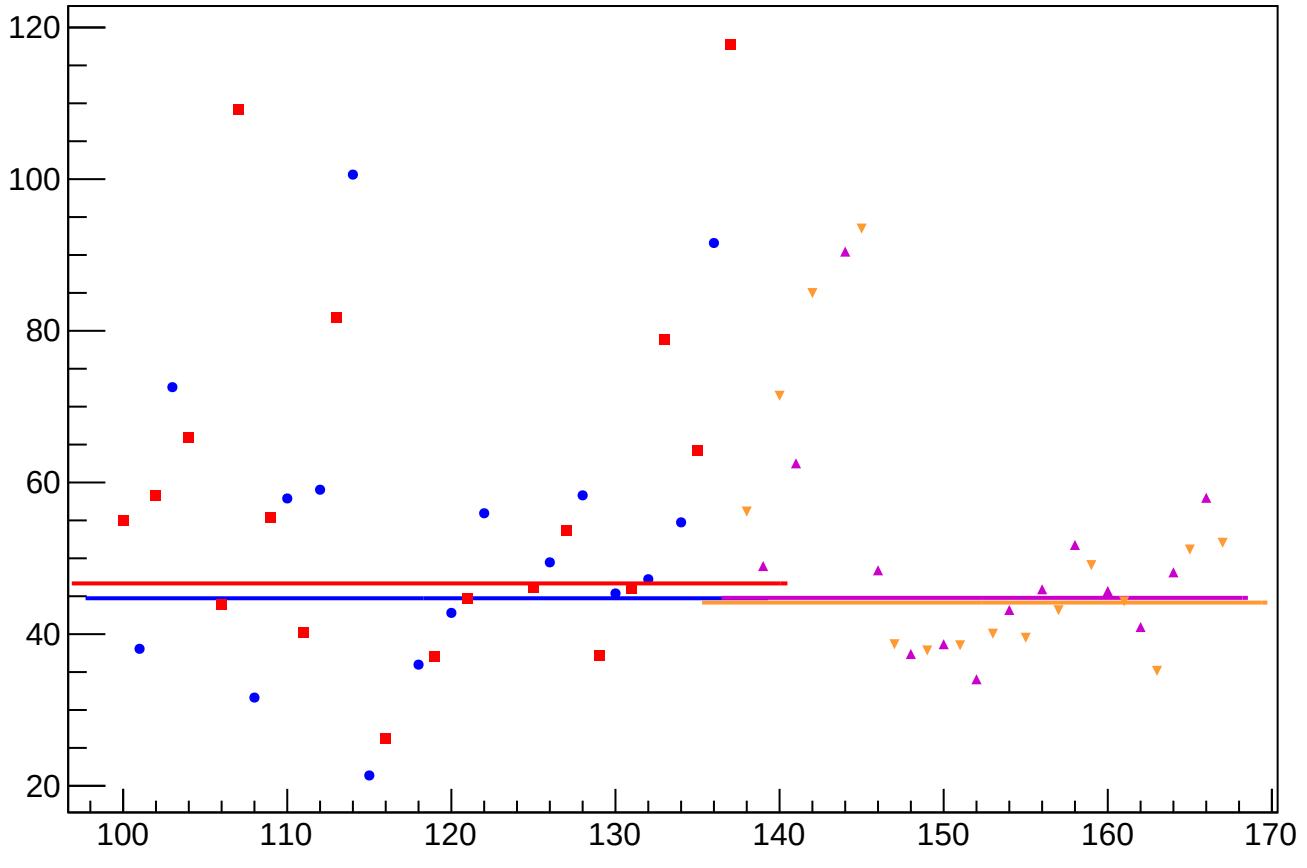
Left: -0.013+/-0.010 χ^2/NDF: 36.9/28

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.011 χ^2/NDF:36.8/29

Out: -0.014+/-0.011 χ^2/NDF:54.8/32

All: -0.014+/-0.008 χ^2/NDF: 91.6/62



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 44.165+/-0.010 χ^2/NDF:1221490.1/14

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.788+/-0.010 χ^2/NDF:947060.3/13

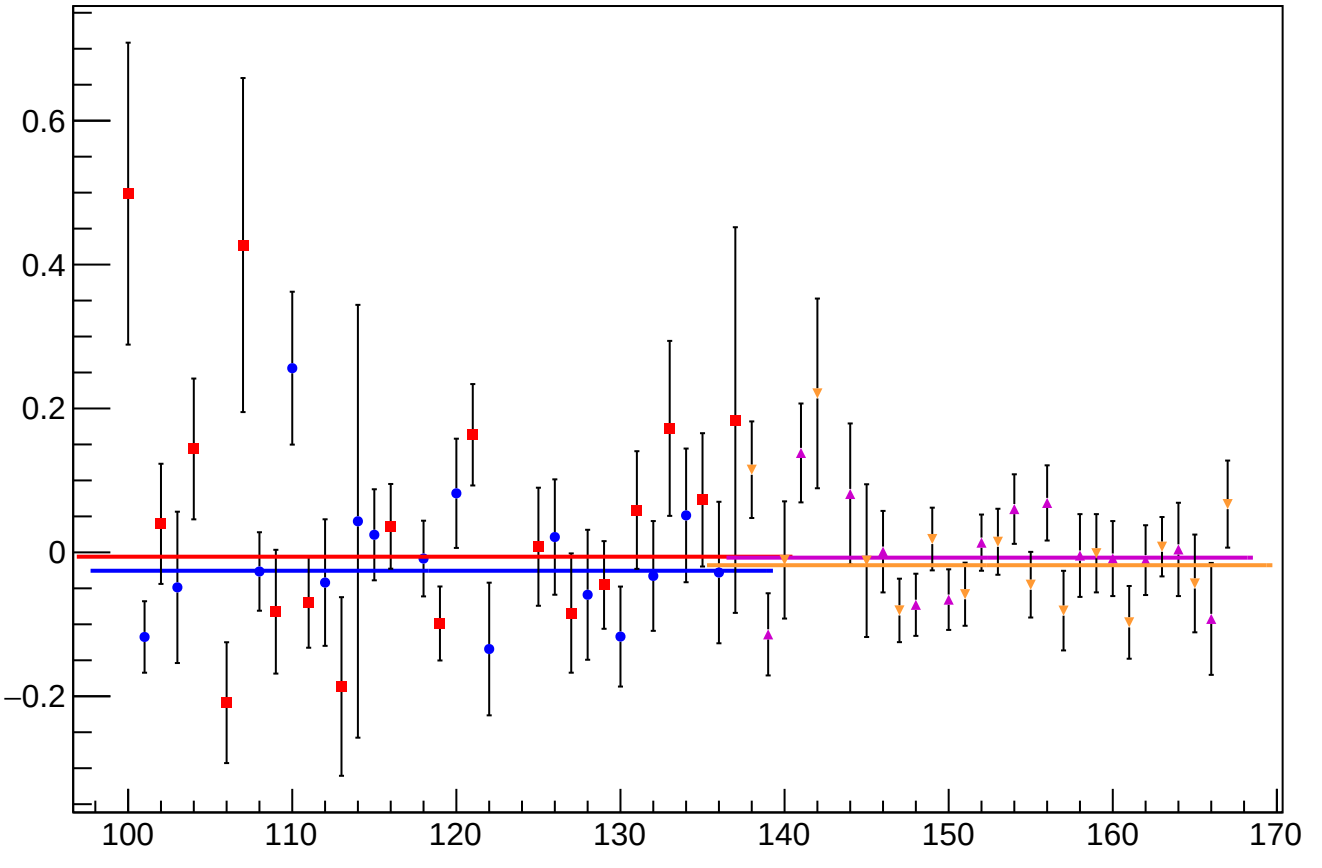
Left: 44.471+/-0.007 χ^2/NDF: 2170520.0/28

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.768+/-0.008 χ^2/NDF:2281613.1/29

Out: 45.023+/-0.008 χ^2/NDF:2439353.7/32

All: 44.896+/-0.006 χ^2/NDF: 4721475.3/62



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.007+/-0.014 χ^2/NDF:18.6/13

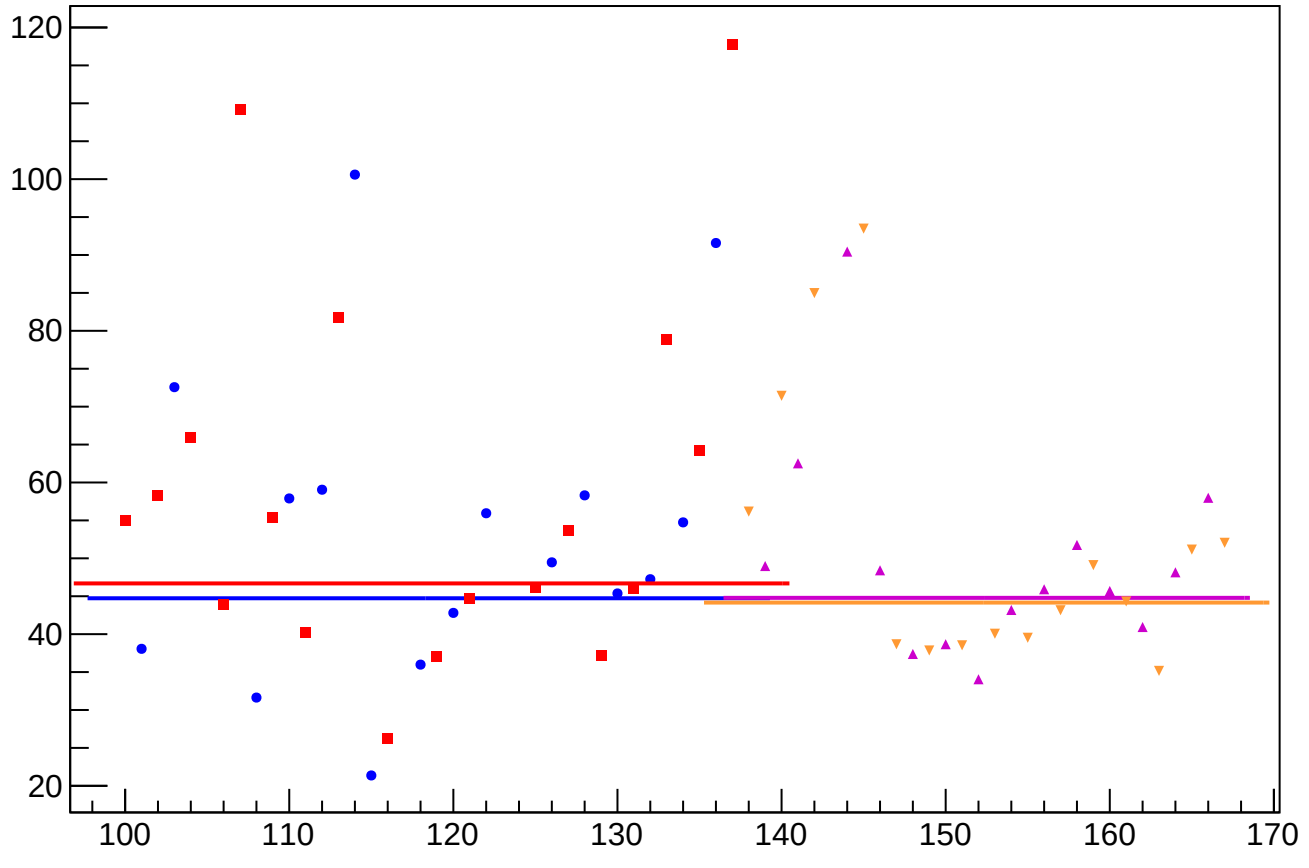
Left: -0.013+/-0.010 χ^2/NDF: 36.9/28

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.011 χ^2/NDF:36.8/29

Out: -0.014+/-0.011 χ^2/NDF:54.8/32

All: -0.014+/-0.008 χ^2/NDF: 91.6/62



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 44.165+/-0.010 χ^2/NDF:1221490.1/14

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.788+/-0.010 χ^2/NDF:947060.3/13

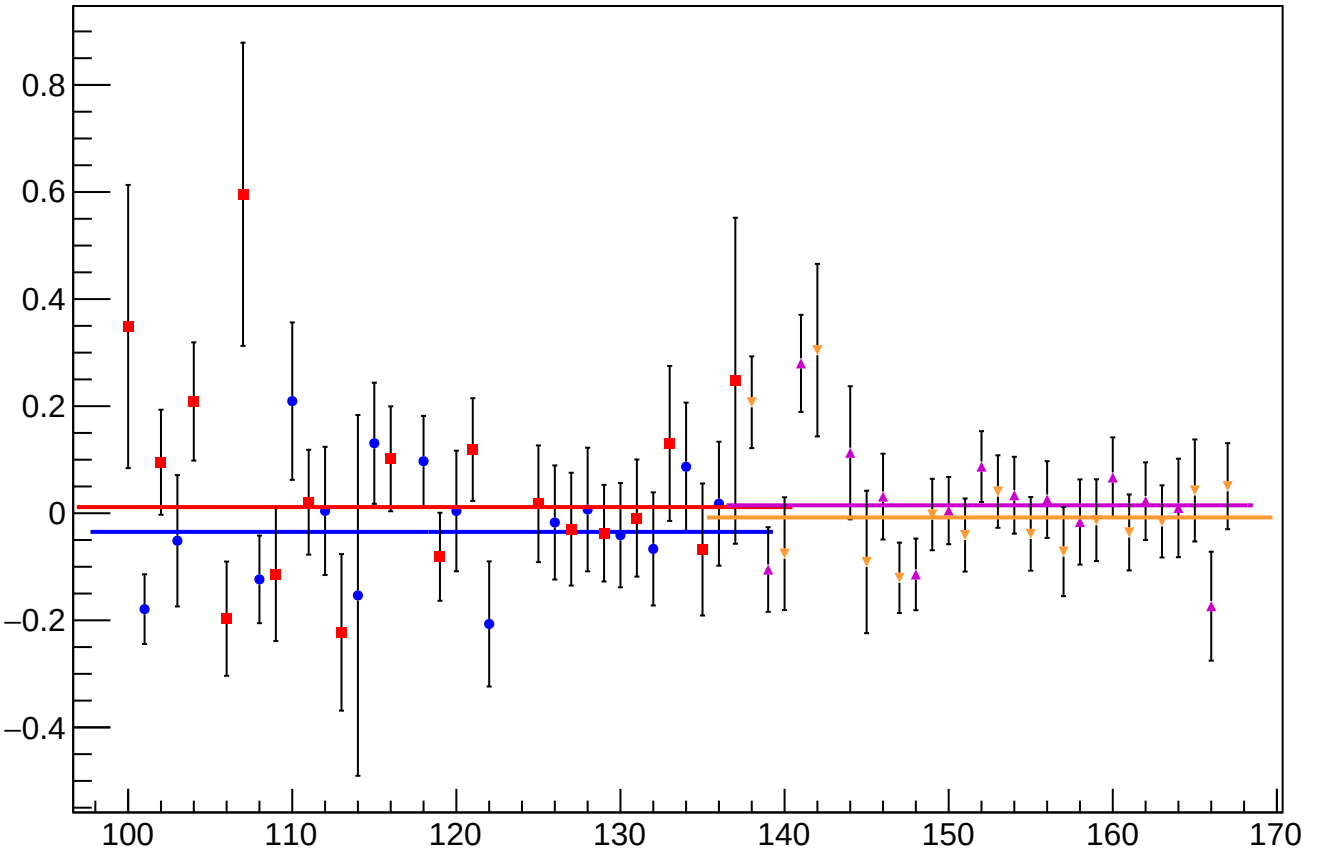
Left: 44.471+/-0.007 χ^2/NDF: 2170520.0/28

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.768+/-0.008 χ^2/NDF:2281613.1/29

Out: 45.023+/-0.008 χ^2/NDF:2439353.7/32

All: 44.896+/-0.006 χ^2/NDF: 4721475.3/62



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.008+/-0.020 χ^2/NDF:16.3/14

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.015+/-0.021 χ^2/NDF:20.6/13

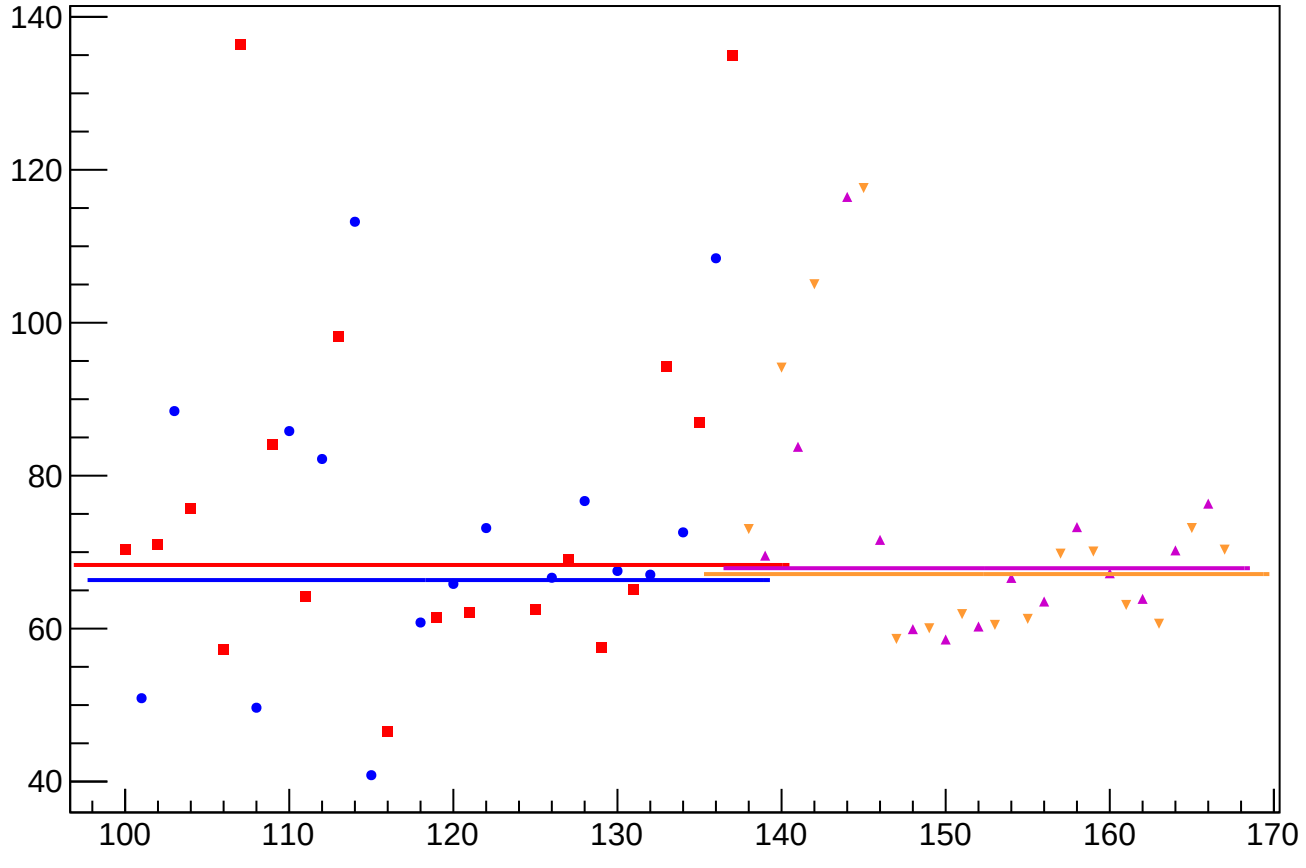
Left: 0.003+/-0.014 χ^2/NDF: 37.6/28

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.004+/-0.016 χ^2/NDF:40.3/29

Out: -0.001+/-0.016 χ^2/NDF:39.4/32

All: -0.002+/-0.011 χ^2/NDF: 79.7/62



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 67.131+/-0.014 χ^2/NDF:682429.8/14

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 67.898+/-0.015 χ^2/NDF:509118.0/13

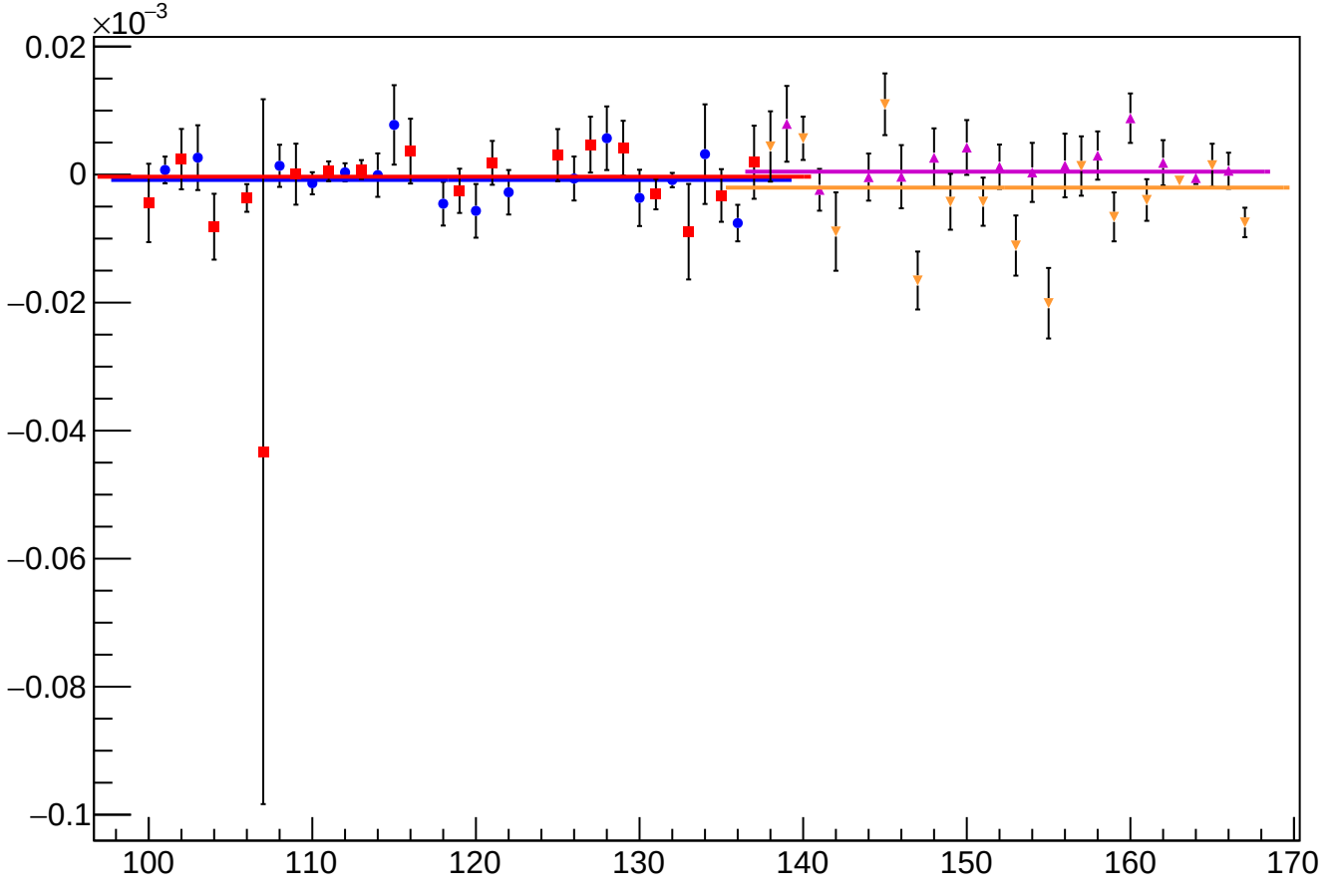
Left: 67.508+/-0.010 χ^2/NDF: 1192948.9/28

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.305+/-0.011 χ^2/NDF:1286067.2/29

Out: 67.563+/-0.011 χ^2/NDF:1314597.4/32

All: 67.435+/-0.008 χ^2/NDF: 2600918.0/62



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:51.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/13

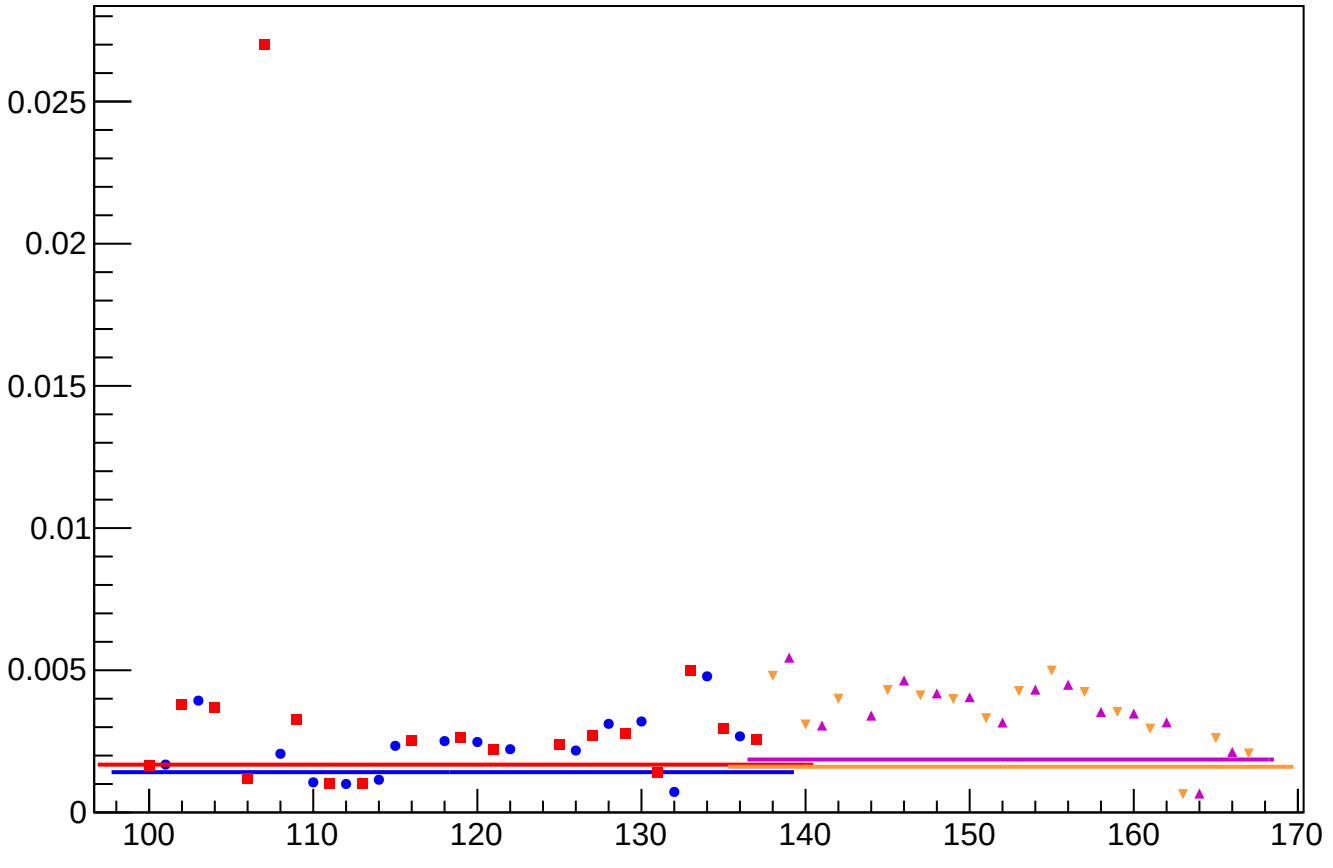
Left: -0.000+/-0.000 χ^2/NDF: 68.2/28

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:26.8/29

Out: -0.000+/-0.000 χ^2/NDF:69.3/32

All: -0.000+/-0.000 χ^2/NDF: 98.6/62



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:9791332.2/14

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.002+/-0.000 χ^2/NDF:8745646.6/13

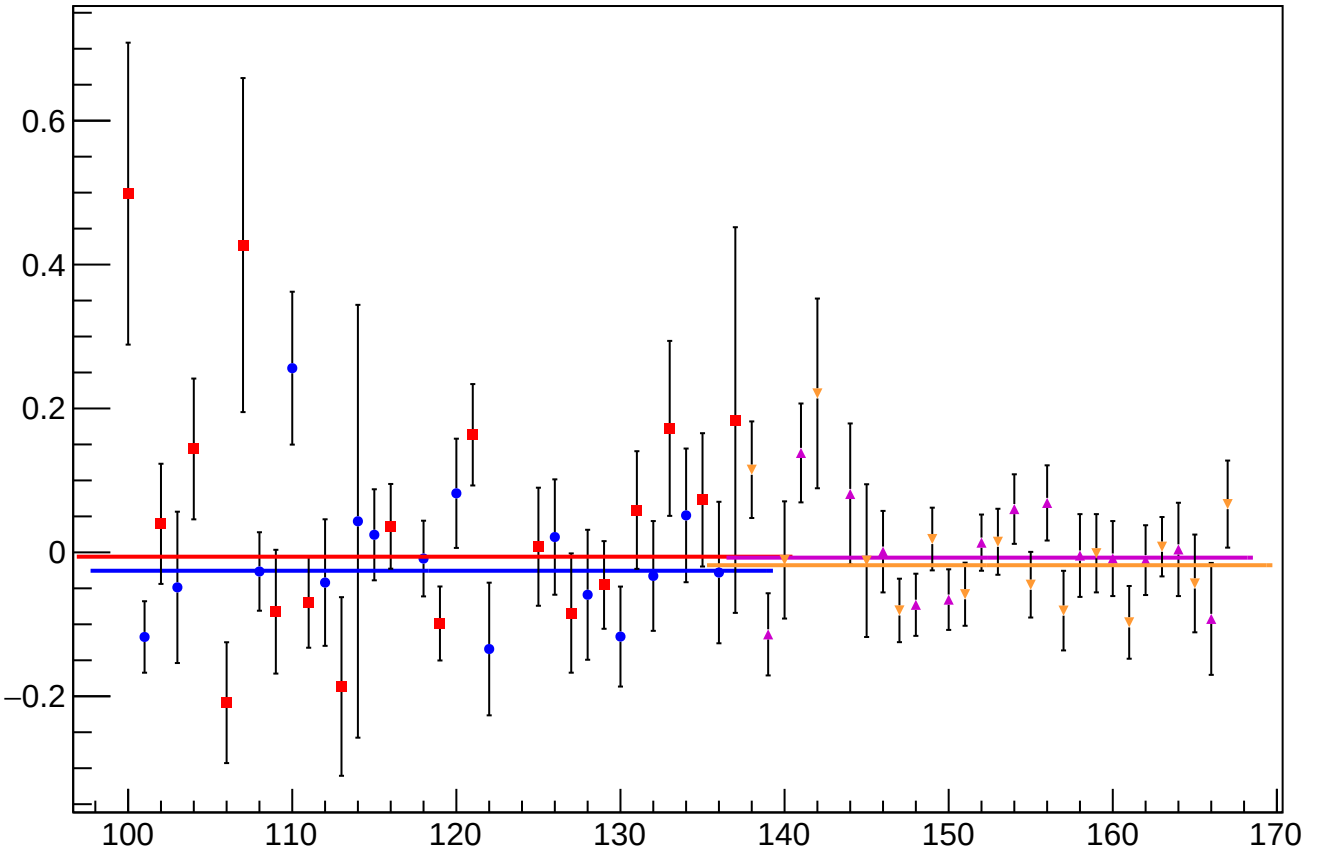
Left: 0.002+/-0.000 χ^2/NDF: 18683227.1/28

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:12742568.8/29

Out: 0.002+/-0.000 χ^2/NDF:13230717.1/32

All: 0.002+/-0.000 χ^2/NDF: 25977253.1/62



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.007+/-0.014 χ^2/NDF:18.6/13

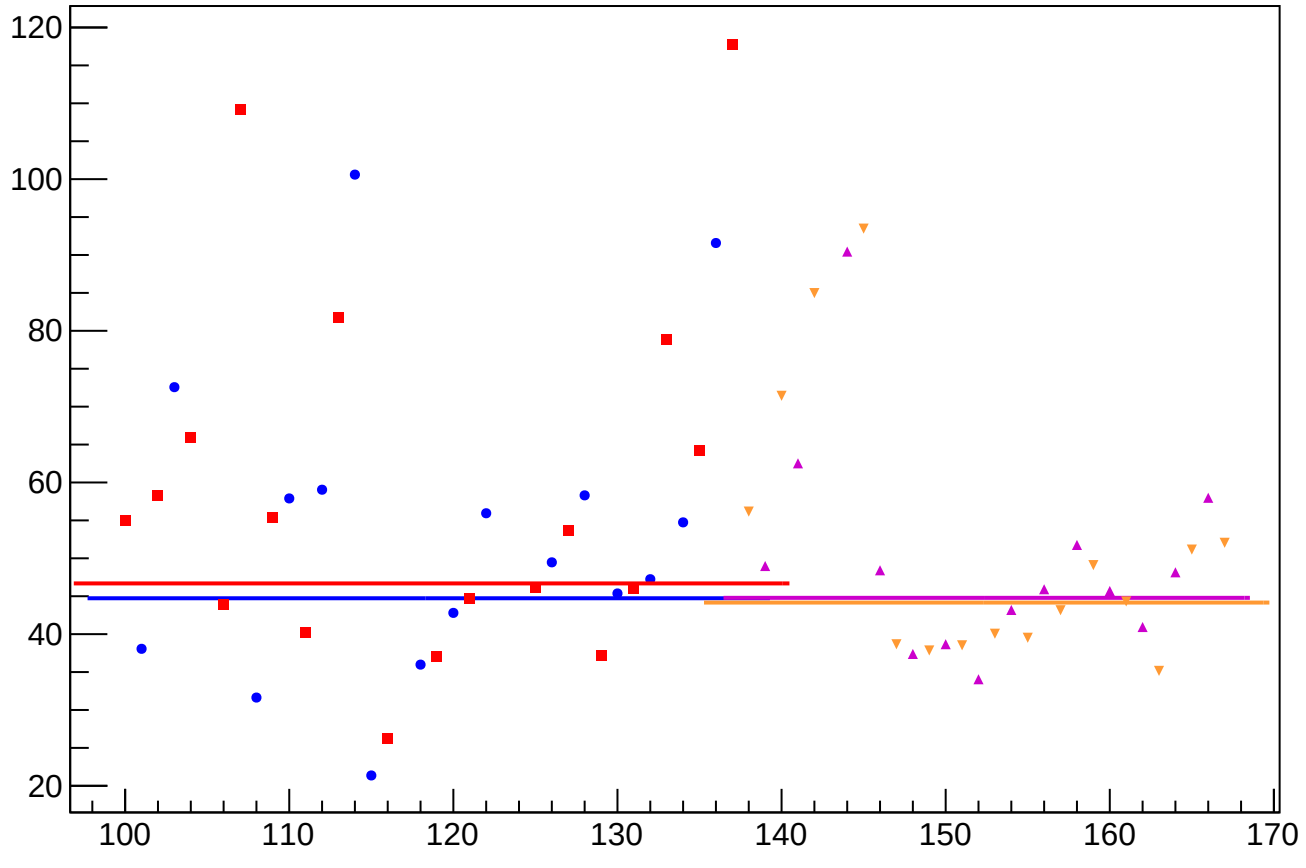
Left: -0.013+/-0.010 χ^2/NDF: 36.9/28

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.011 χ^2/NDF:36.8/29

Out: -0.014+/-0.011 χ^2/NDF:54.8/32

All: -0.014+/-0.008 χ^2/NDF: 91.6/62



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.165+/-0.010 χ^2/NDF:1221455.7/14

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.788+/-0.010 χ^2/NDF:947036.7/13

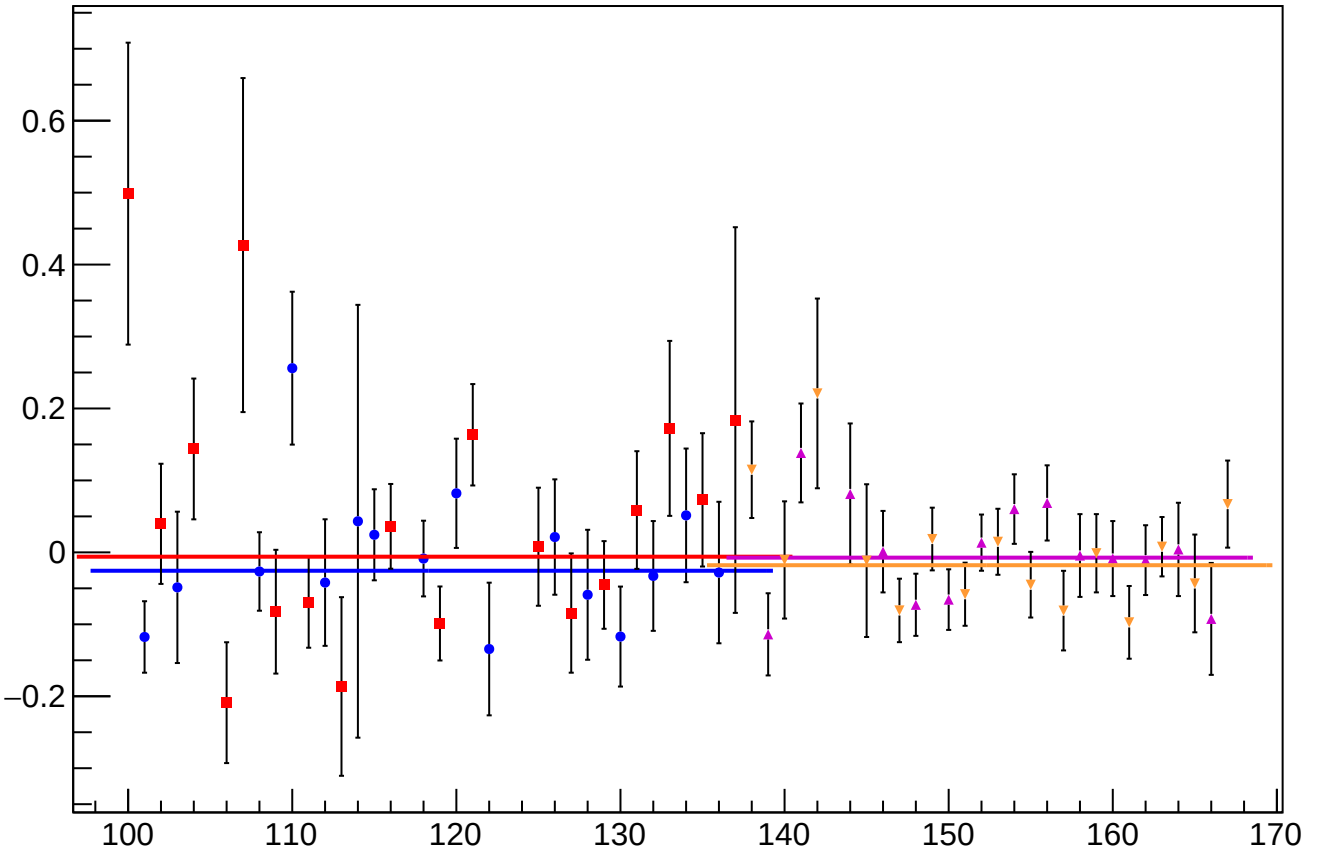
Left: 44.471+/-0.007 χ^2/NDF: 2170462.1/28

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.768+/-0.008 χ^2/NDF:2281652.1/29

Out: 45.023+/-0.008 χ^2/NDF:2439338.7/32

All: 44.895+/-0.006 χ^2/NDF: 4721499.4/62



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.007+/-0.014 χ^2/NDF:18.6/13

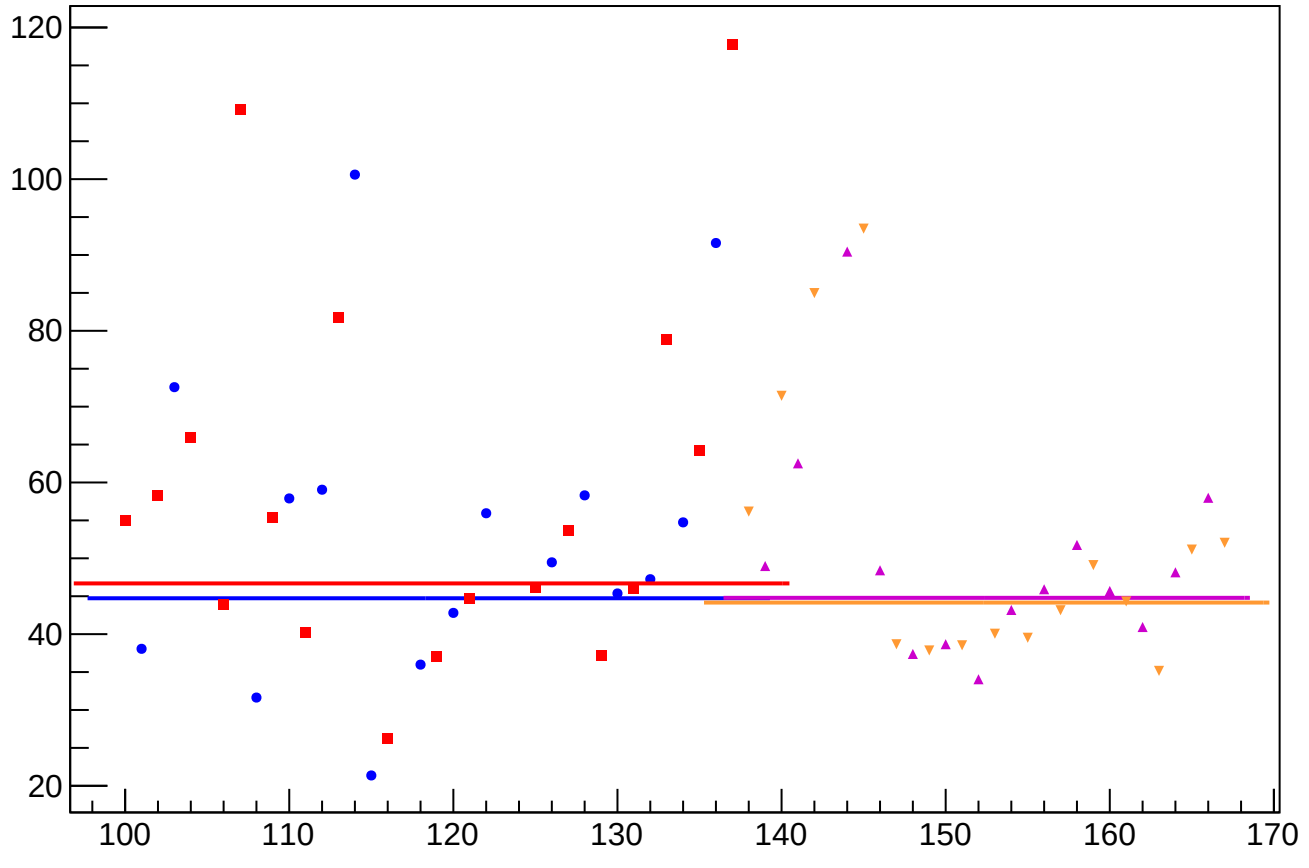
Left: -0.013+/-0.010 χ^2/NDF: 36.9/28

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.011 χ^2/NDF:36.8/29

Out: -0.014+/-0.011 χ^2/NDF:54.8/32

All: -0.014+/-0.008 χ^2/NDF: 91.6/62



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.165+/-0.010 χ^2/NDF:1221455.7/14

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.788+/-0.010 χ^2/NDF:947036.7/13

Left: 44.471+/-0.007 χ^2/NDF: 2170462.1/28

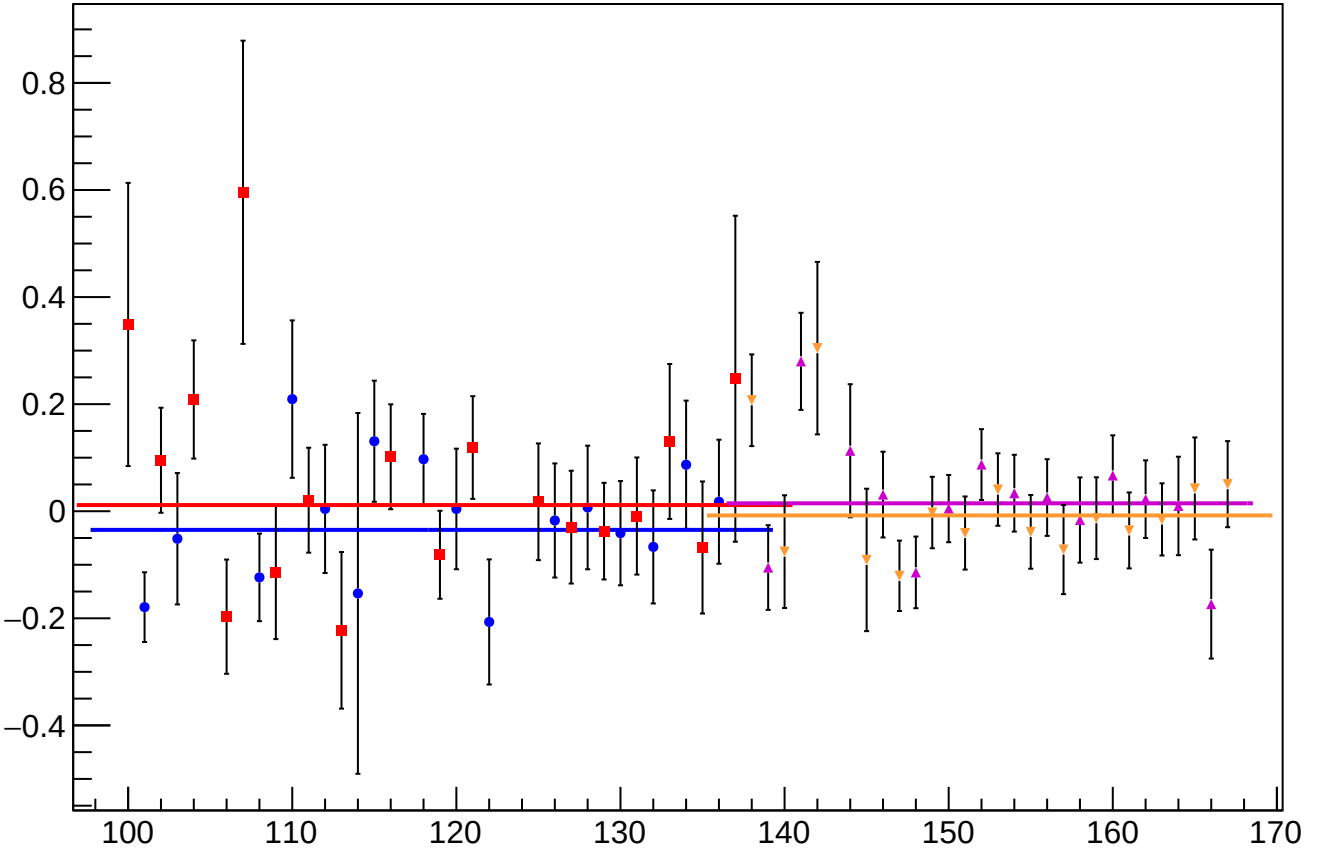
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.768+/-0.008 χ^2/NDF:2281652.1/29

Out: 45.023+/-0.008 χ^2/NDF:2439338.7/32

All: 44.895+/-0.006 χ^2/NDF: 4721499.4/62

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.008+/-0.020 χ^2/NDF:16.3/14

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.015+/-0.021 χ^2/NDF:20.6/13

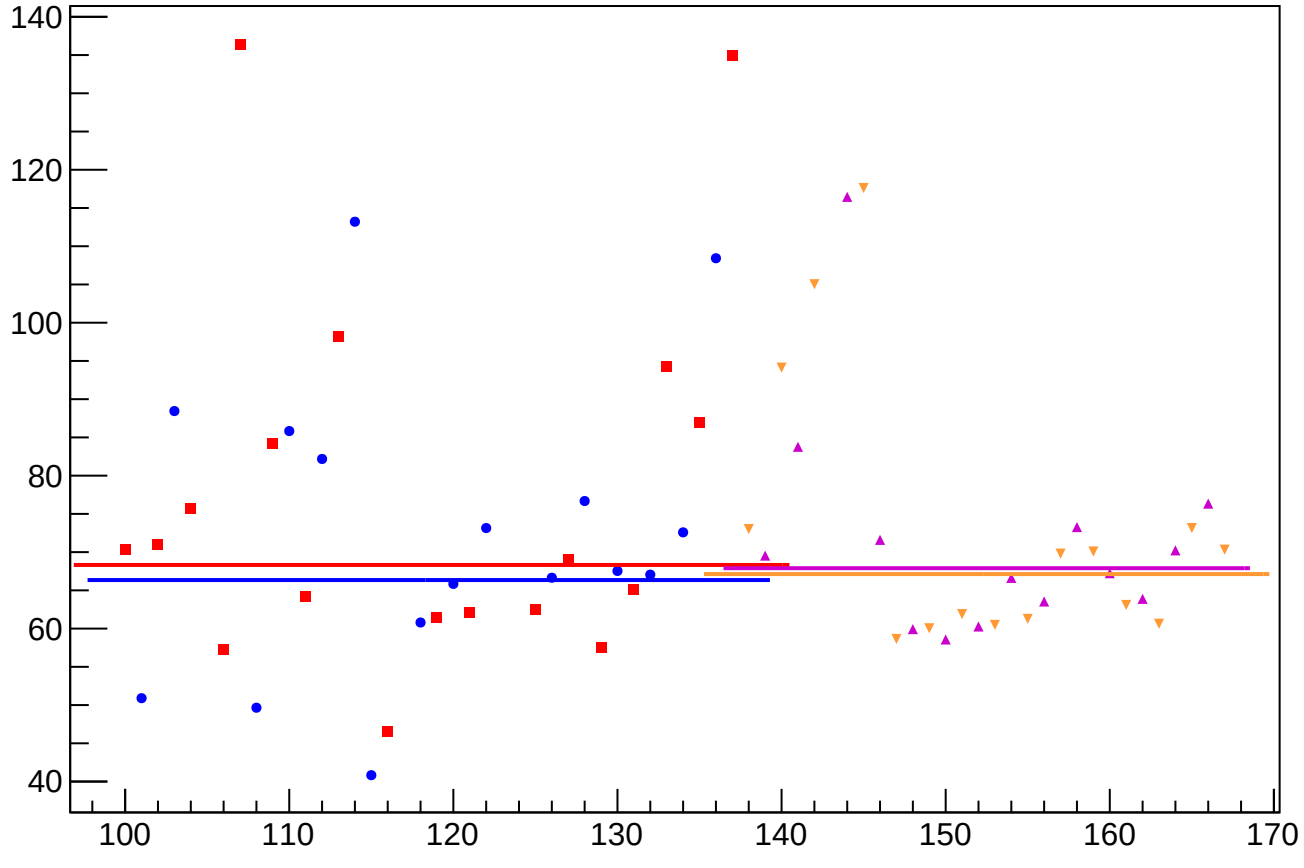
Left: 0.003+/-0.014 χ^2/NDF: 37.6/28

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.004+/-0.016 χ^2/NDF:40.3/29

Out: -0.001+/-0.016 χ^2/NDF:39.4/32

All: -0.003+/-0.011 χ^2/NDF: 79.7/62



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 67.131+/-0.014 χ^2/NDF:682416.0/14

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 67.898+/-0.015 χ^2/NDF:509109.7/13

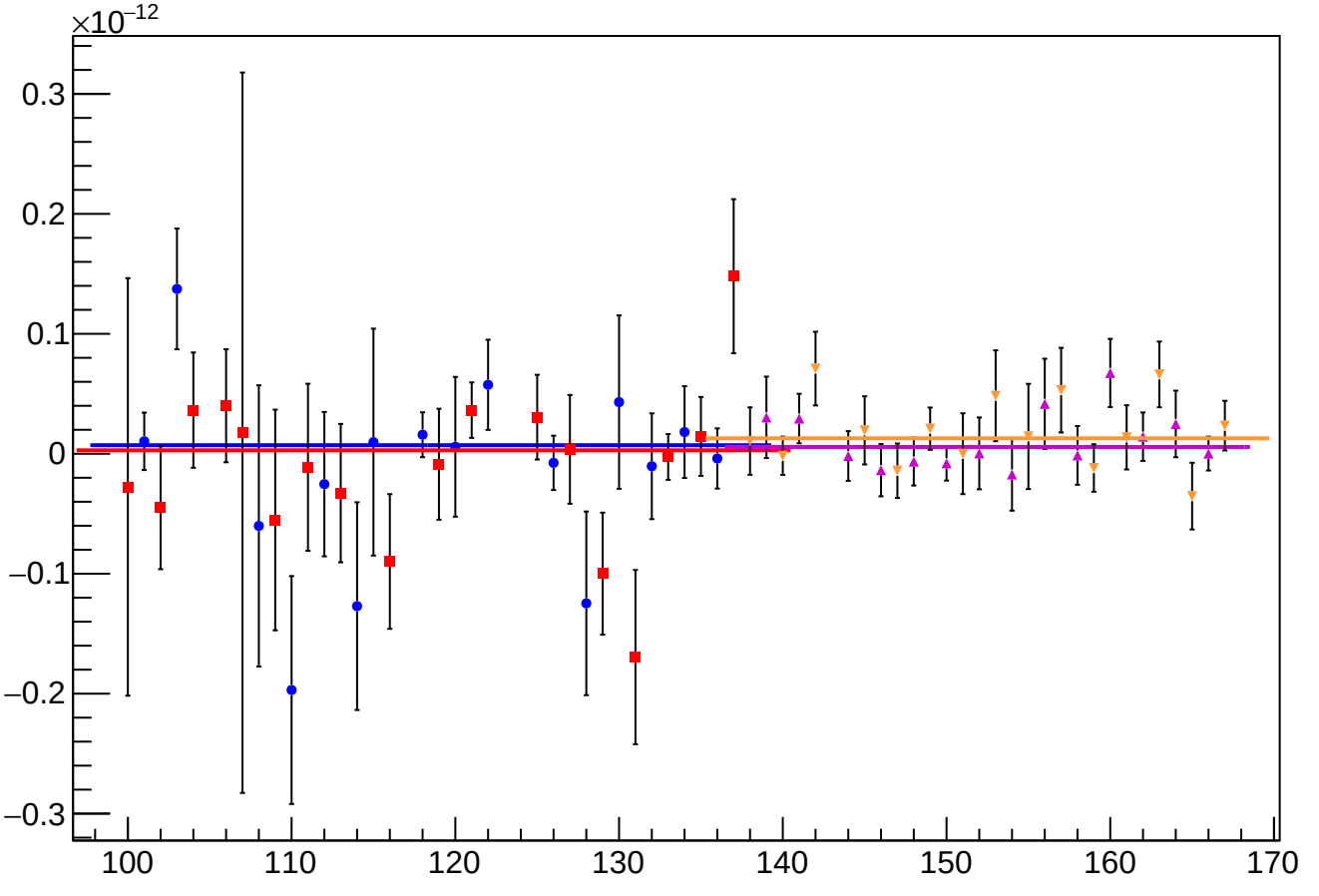
Left: 67.508+/-0.010 χ^2/NDF: 1192926.9/28

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 67.305+/-0.011 χ^2/NDF:1286069.6/29

Out: 67.563+/-0.011 χ^2/NDF:1314575.9/32

All: 67.434+/-0.008 χ^2/NDF: 2600898.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.2/13

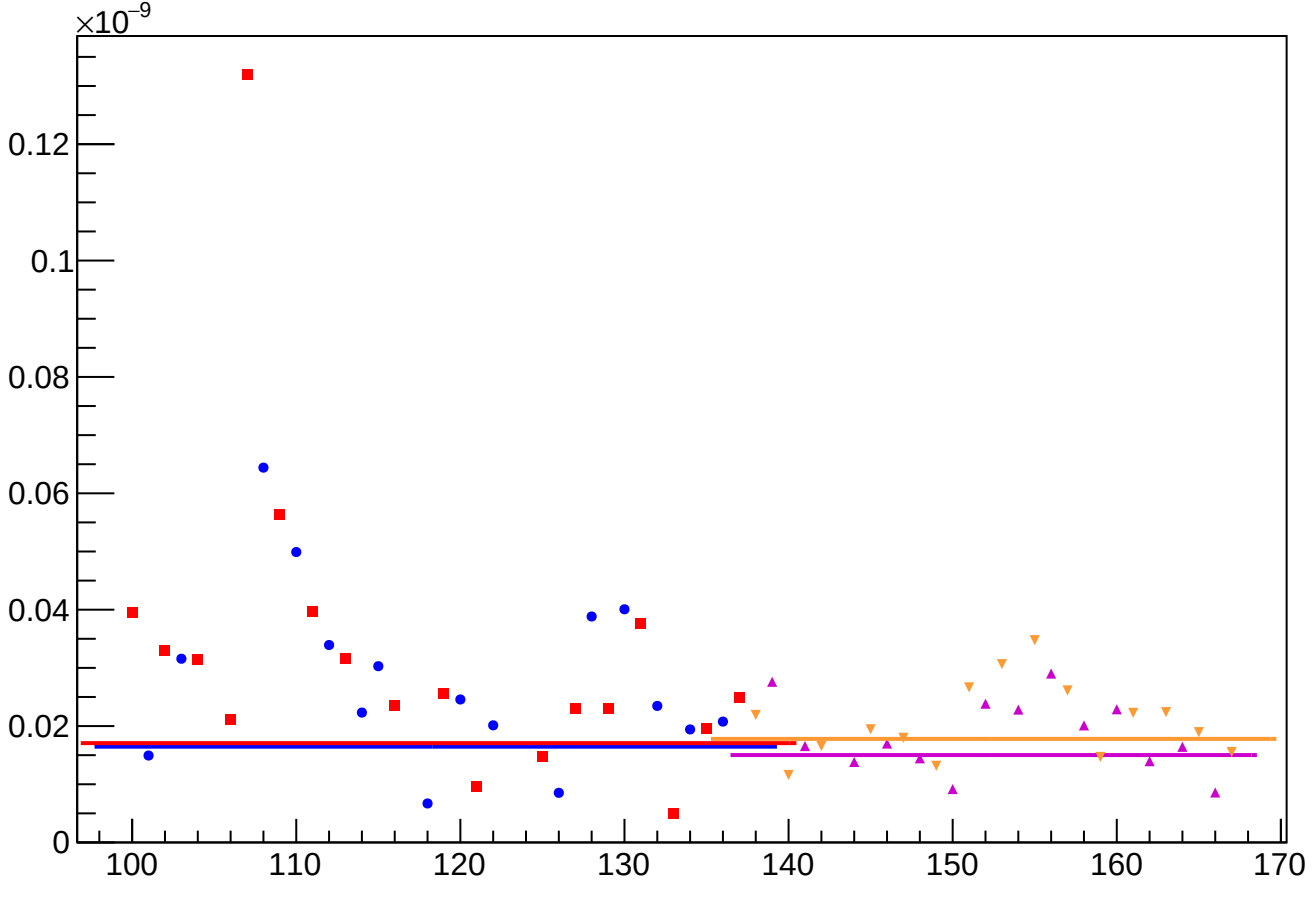
Left: 0.000+/-0.000 χ^2/NDF: 28.9/28

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:31.6/29

Out: 0.000+/-0.000 χ^2/NDF:41.1/32

All: 0.000+/-0.000 χ^2/NDF: 73.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1461511.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1891967.1/13

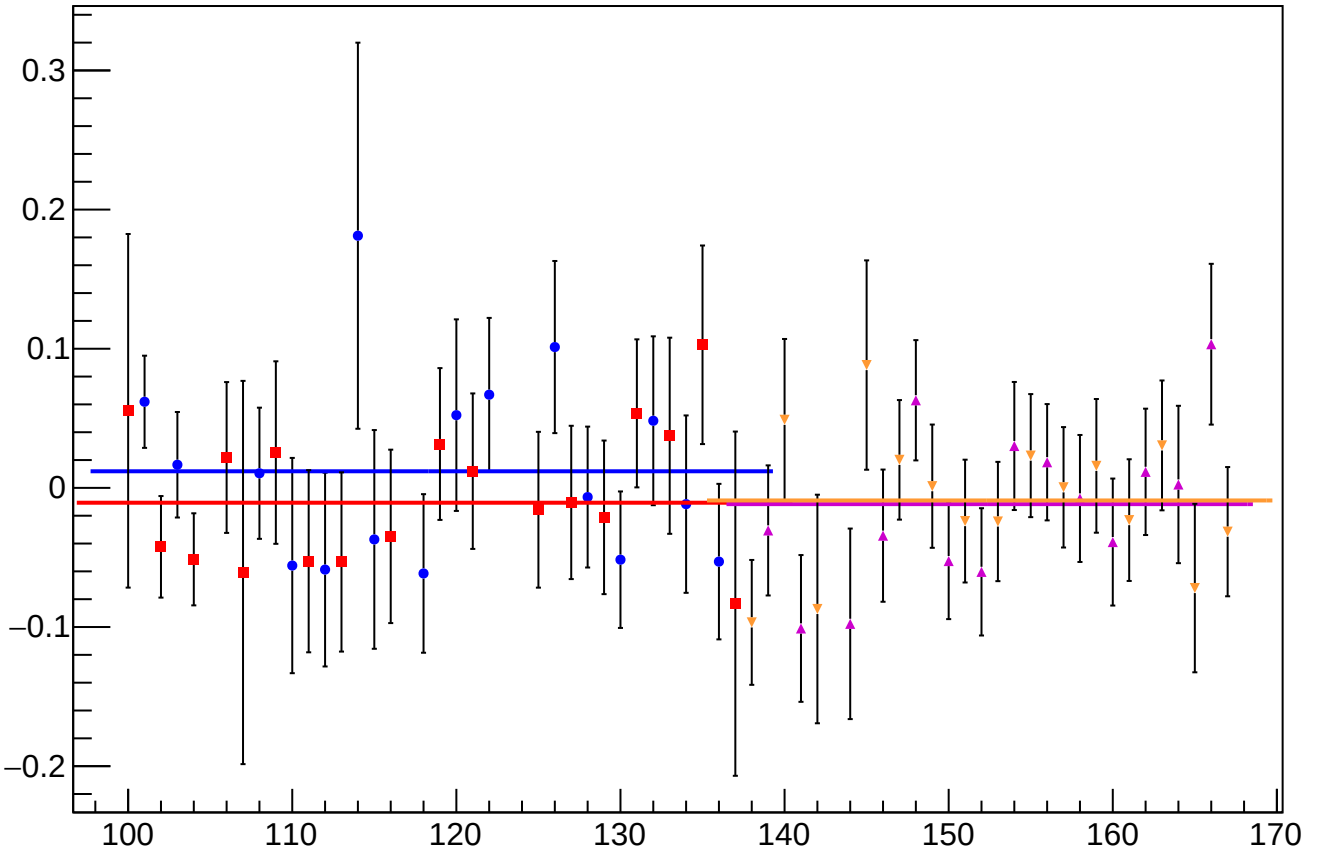
Left: 0.000+/-0.000 χ^2/NDF: 3560648.4/28

Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:4273090.4/29

Out: 0.000+/-0.000 χ^2/NDF:4260618.4/32

All: 0.000+/-0.000 χ^2/NDF: 8708886.9/62



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:11.1/14

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.012+/-0.013 χ^2/NDF:15.9/13

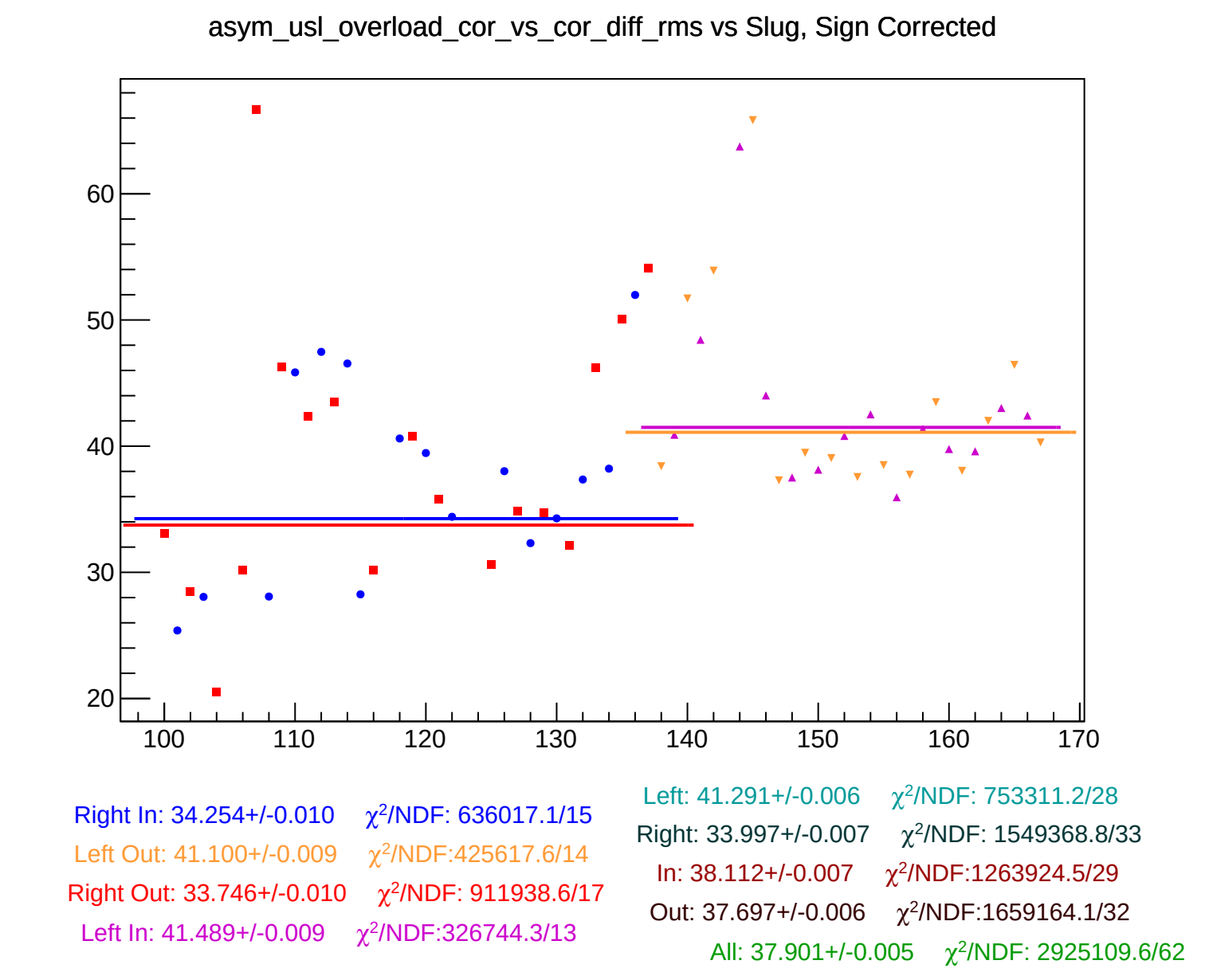
Left: -0.010+/-0.009 χ^2/NDF: 27.0/28

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

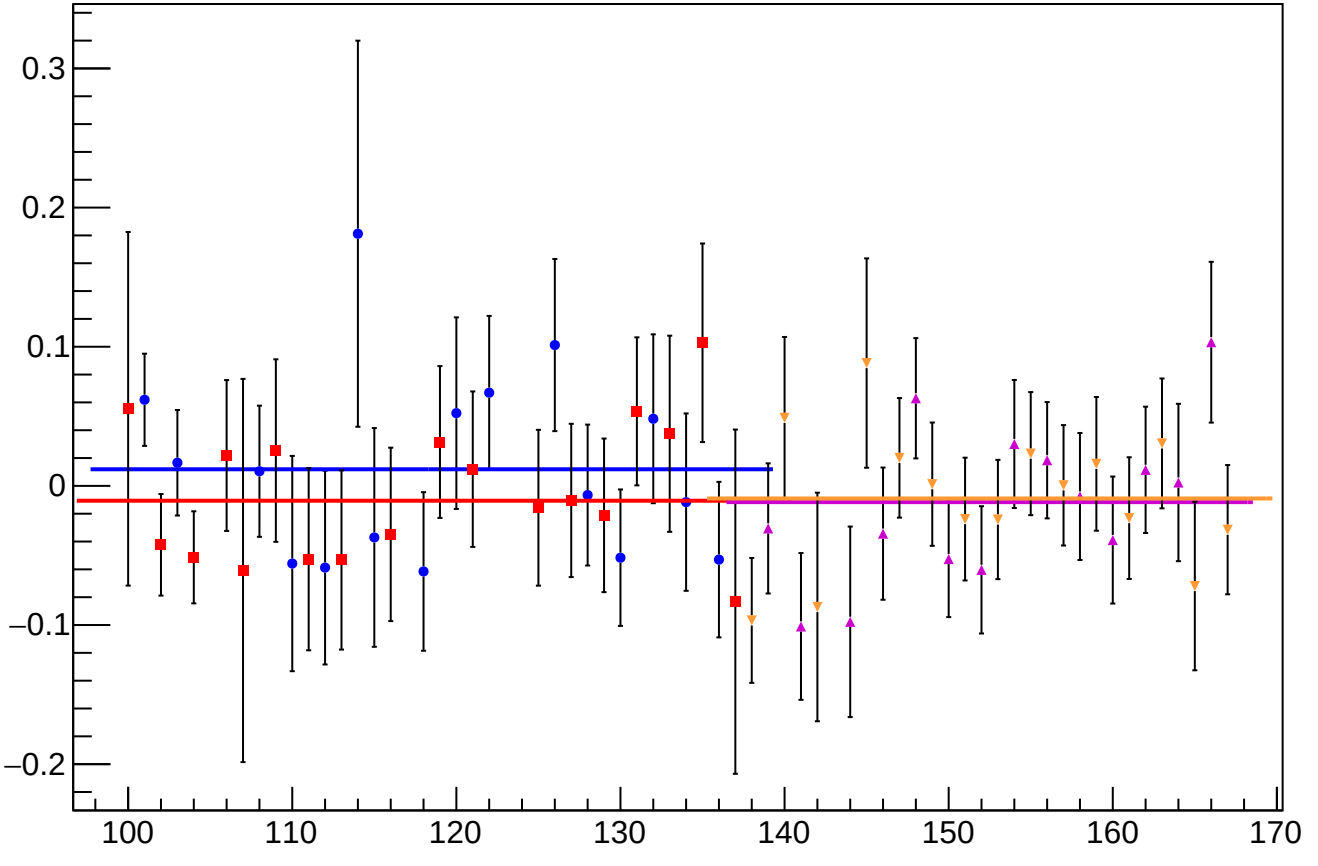
In: -0.001+/-0.009 χ^2/NDF:32.2/29

Out: -0.010+/-0.009 χ^2/NDF:21.1/32

All: -0.005+/-0.007 χ^2/NDF: 53.8/62


asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 41.100+/-0.009 χ²/NDF:425617.6/14
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.489+/-0.009 χ²/NDF:326744.3/13
Left: 41.291+/-0.006 χ²/NDF: 753311.2/28
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 38.112+/-0.007 χ²/NDF:1263924.5/29
Out: 37.697+/-0.006 χ²/NDF:1659164.1/32
All: 37.901+/-0.005 χ²/NDF: 2925109.6/62

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:11.1/14

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.012+/-0.013 χ^2/NDF:15.9/13

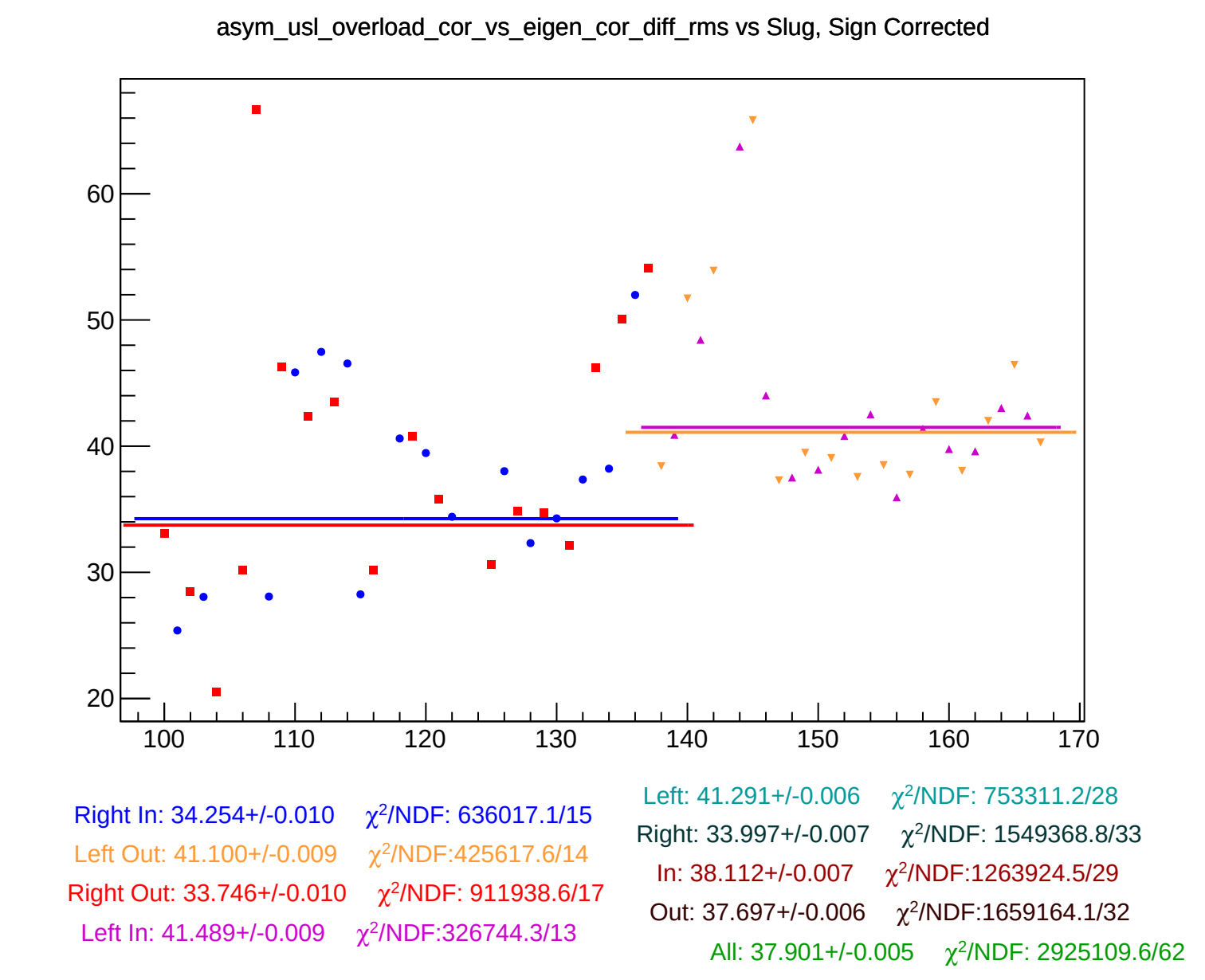
Left: -0.010+/-0.009 χ^2/NDF: 27.0/28

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

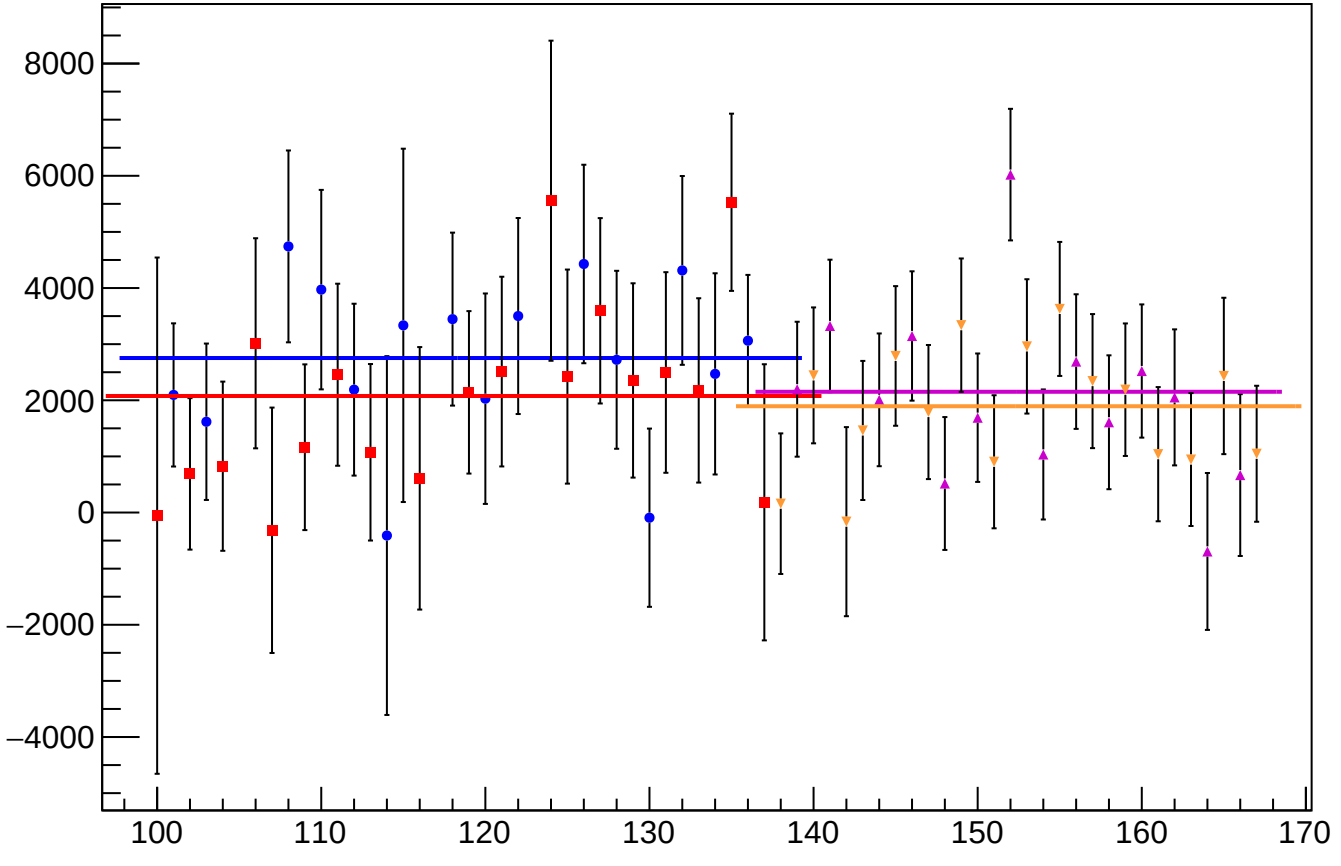
In: -0.001+/-0.009 χ^2/NDF:32.2/29

Out: -0.010+/-0.009 χ^2/NDF:21.1/32

All: -0.005+/-0.007 χ^2/NDF: 53.8/62


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 41.100+/-0.009 χ²/NDF:425617.6/14
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.489+/-0.009 χ²/NDF:326744.3/13
Left: 41.291+/-0.006 χ²/NDF: 753311.2/28
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 38.112+/-0.007 χ²/NDF:1263924.5/29
Out: 37.697+/-0.006 χ²/NDF:1659164.1/32
All: 37.901+/-0.005 χ²/NDF: 2925109.6/62

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1893.791+/-308.367 χ^2/NDF:11.3/15

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2151.690+/-322.594 χ^2/NDF:21.4/13

Left: 2016.928+/-222.908 χ^2/NDF: 33.0/29

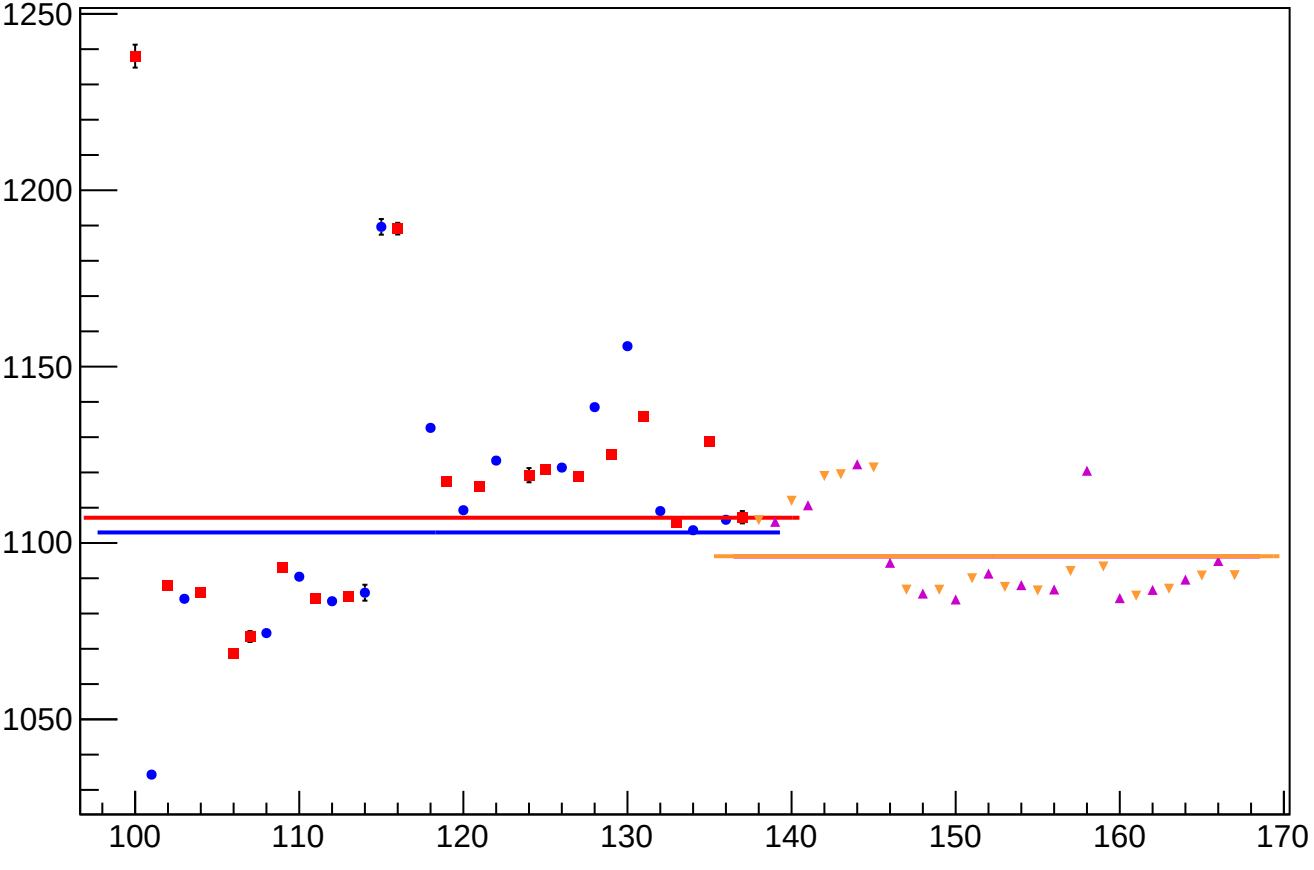
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2381.769+/-253.488 χ^2/NDF:32.2/29

Out: 1961.084+/-245.076 χ^2/NDF:24.0/34

All: 2164.331+/-176.194 χ^2/NDF: 57.6/64

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.243+/-0.218 χ^2/NDF:3307.2/15

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.174+/-0.228 χ^2/NDF:3252.8/13

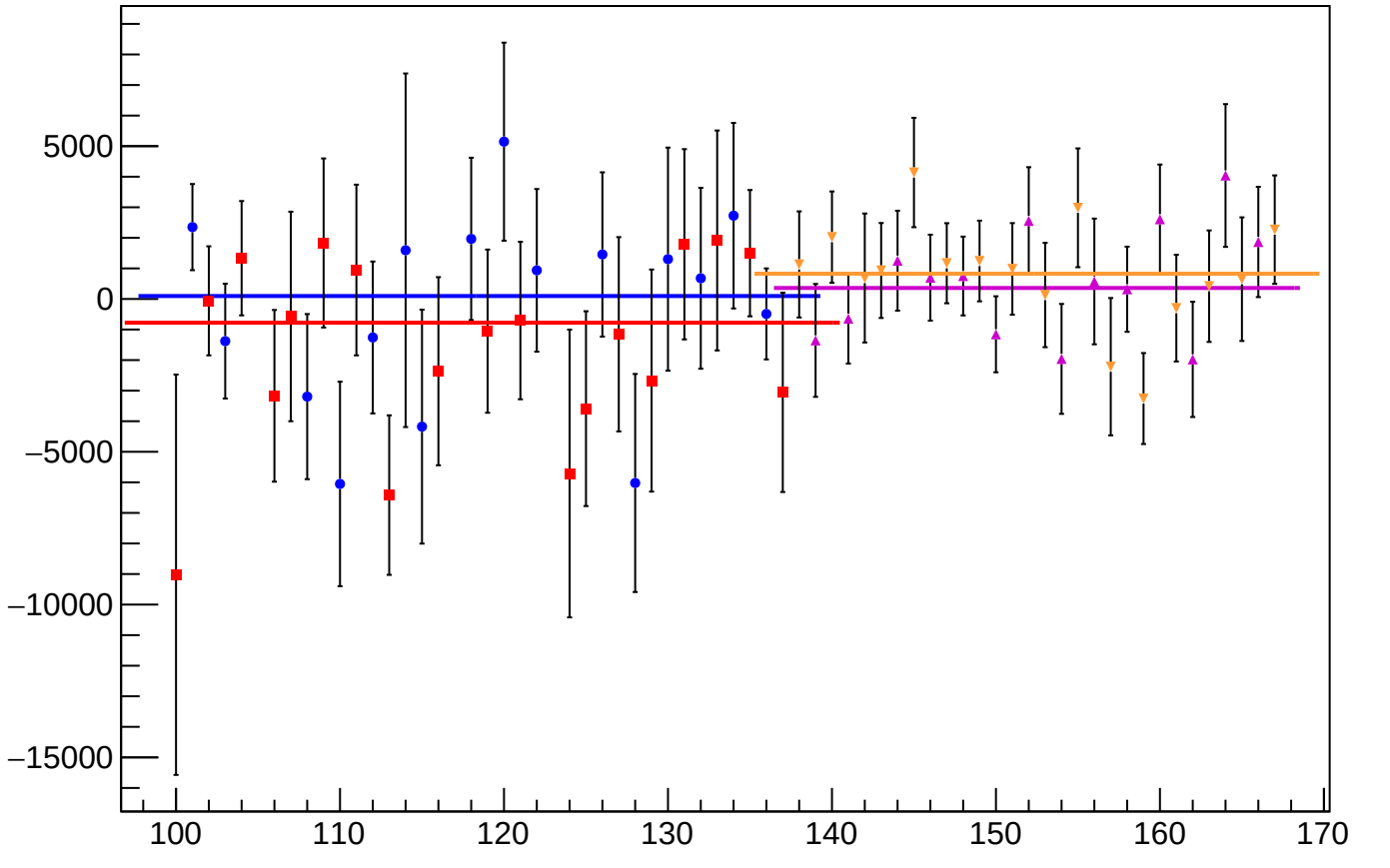
Left: 1096.210+/-0.158 χ^2/NDF: 6560.0/29

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1098.781+/-0.179 χ^2/NDF:16817.9/29

Out: 1100.264+/-0.173 χ^2/NDF:12913.8/34

All: 1099.548+/-0.125 χ^2/NDF: 29767.1/64



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 826.326+/-415.915 χ^2/NDF:16.2/15

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 359.340+/-432.176 χ^2/NDF:12.8/13

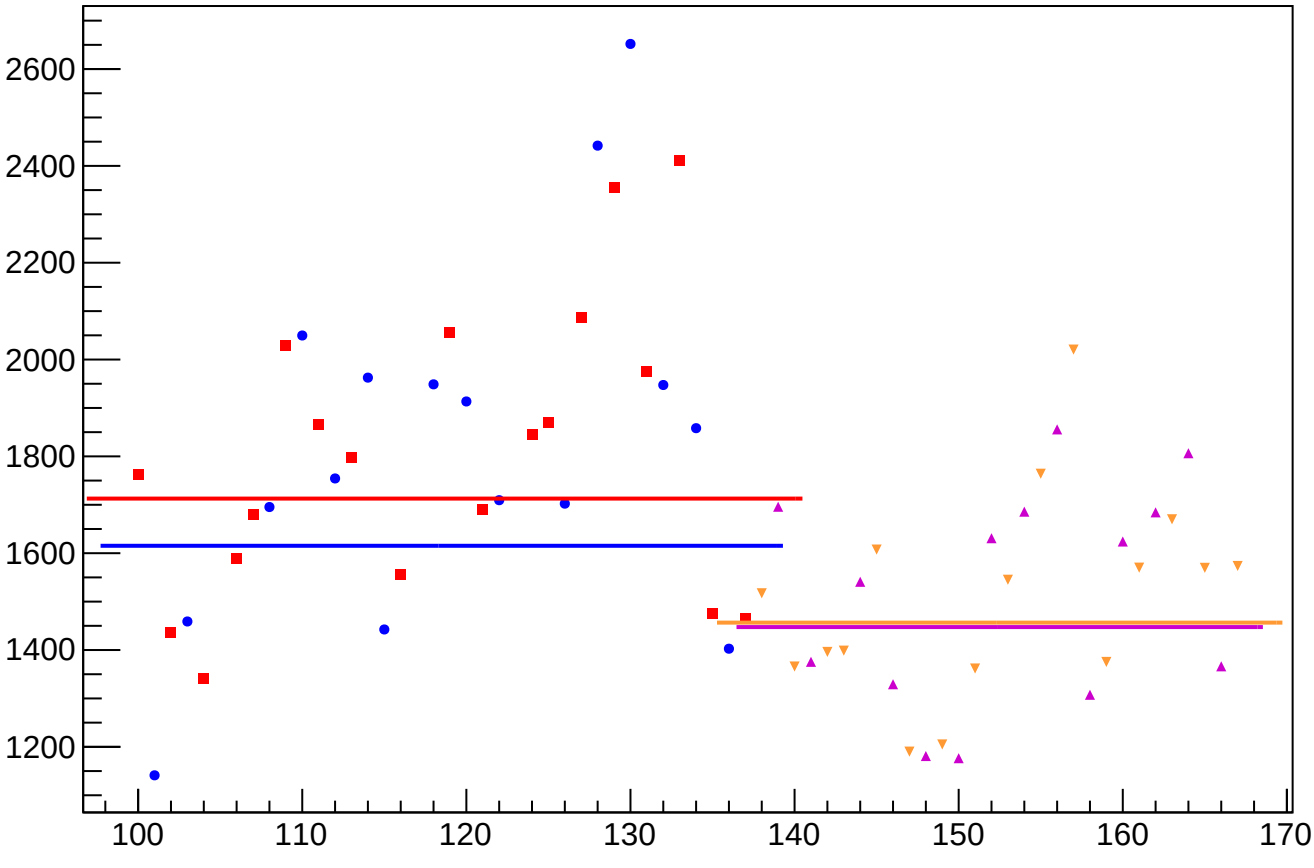
Left: 601.784+/-299.680 χ^2/NDF: 29.6/29

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 272.855+/-354.184 χ^2/NDF:29.8/29

Out: 347.070+/-348.249 χ^2/NDF:35.7/34

All: 310.590+/-248.321 χ^2/NDF: 65.6/64



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1456.619+/-0.294 χ^2/NDF:430122.5/15

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1447.408+/-0.306 χ^2/NDF:500241.0/13

Left: 1452.190+/-0.212 χ^2/NDF: 930835.2/29

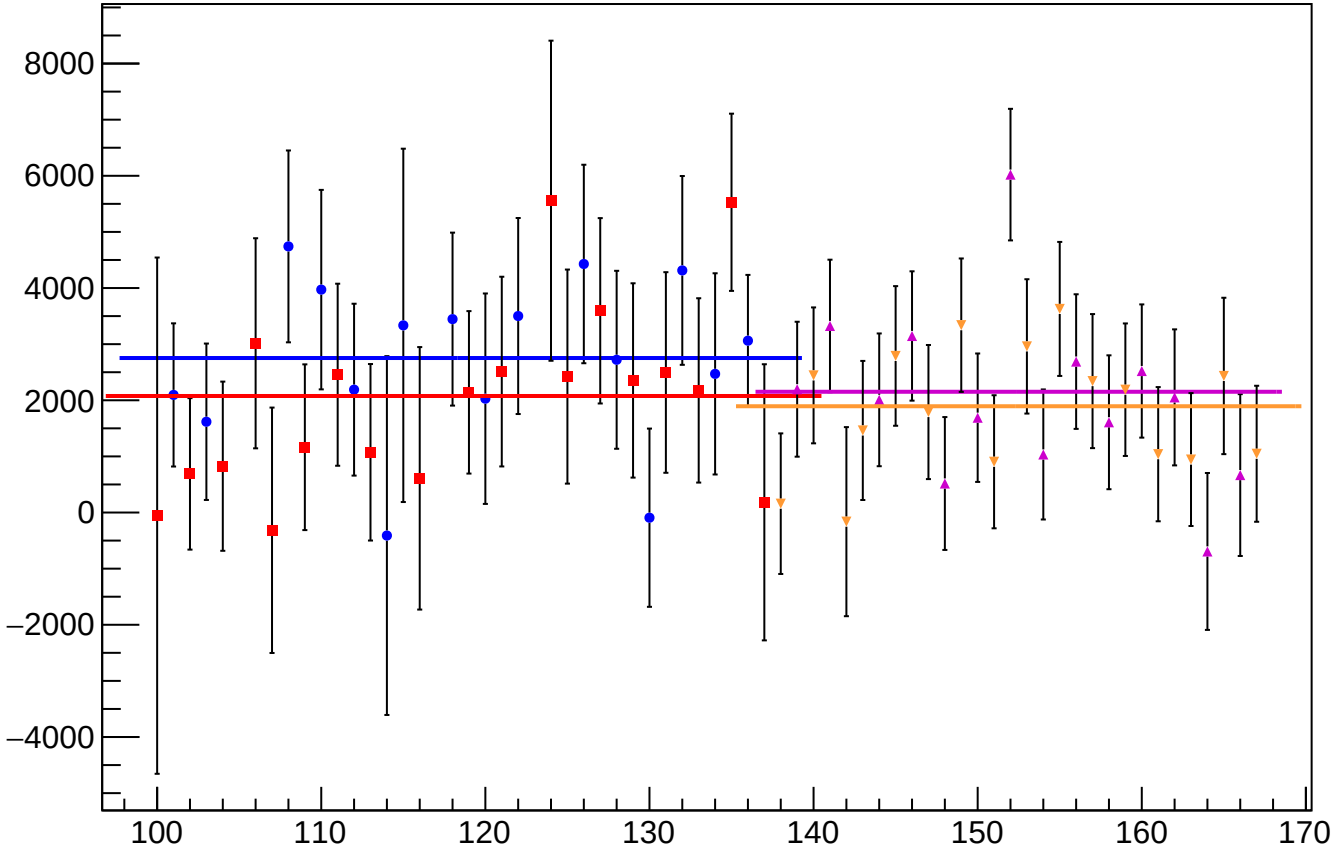
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1502.542+/-0.250 χ^2/NDF:1292999.5/29

Out: 1533.195+/-0.246 χ^2/NDF:1084994.3/34

All: 1518.127+/-0.176 χ^2/NDF: 2385610.4/64

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1893.791+/-308.367 χ^2/NDF:11.3/15

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2151.690+/-322.594 χ^2/NDF:21.4/13

Left: 2016.928+/-222.908 χ^2/NDF: 33.0/29

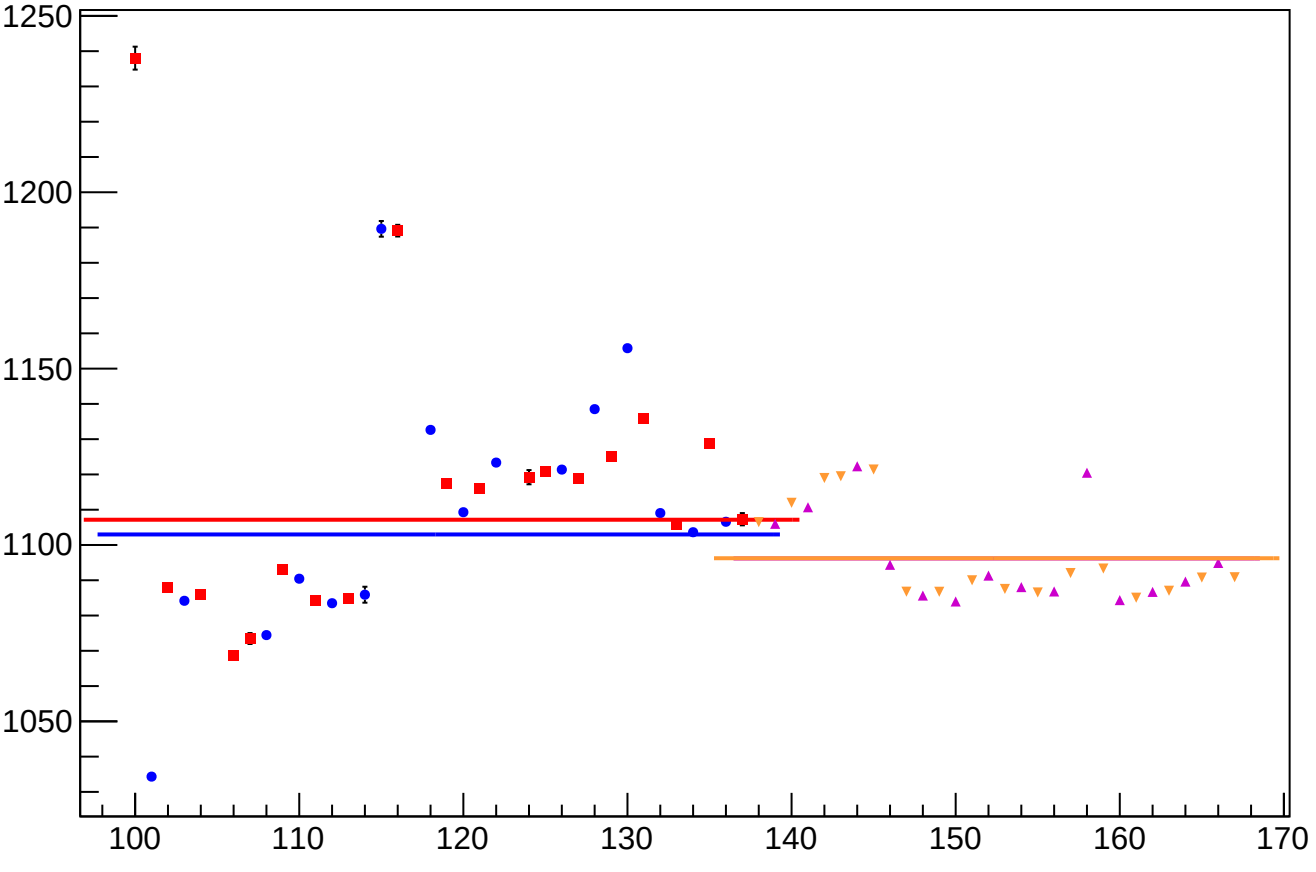
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2381.769+/-253.488 χ^2/NDF:32.2/29

Out: 1961.084+/-245.076 χ^2/NDF:24.0/34

All: 2164.331+/-176.194 χ^2/NDF: 57.6/64

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.243+/-0.218 χ^2/NDF:3307.2/15

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.174+/-0.228 χ^2/NDF:3252.8/13

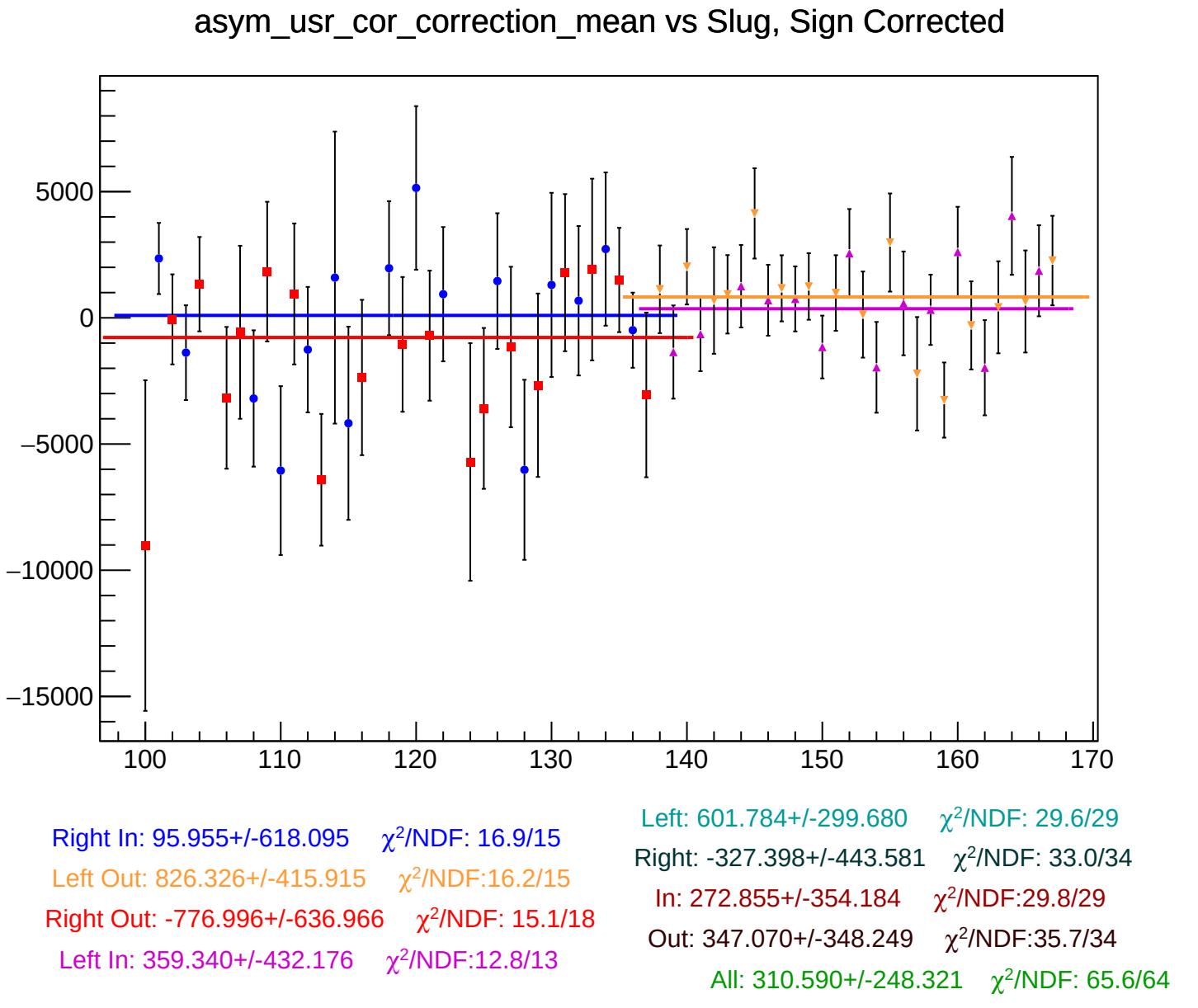
Left: 1096.210+/-0.158 χ^2/NDF: 6560.0/29

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

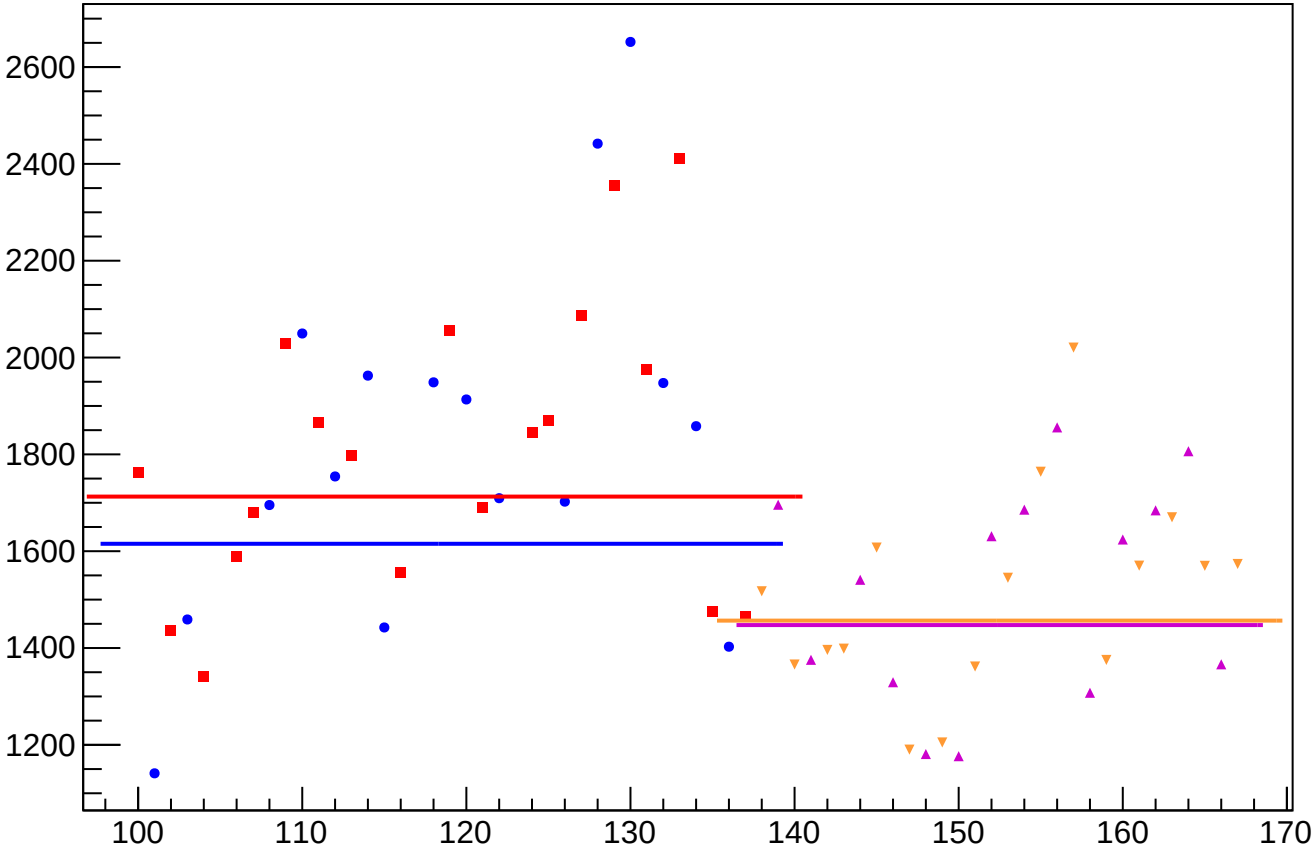
In: 1098.781+/-0.179 χ^2/NDF:16817.9/29

Out: 1100.264+/-0.173 χ^2/NDF:12913.8/34

All: 1099.548+/-0.125 χ^2/NDF: 29767.1/64


asym_usr_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 826.326+/-415.915 χ²/NDF:16.2/15
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 359.340+/-432.176 χ²/NDF:12.8/13
Left: 601.784+/-299.680 χ²/NDF: 29.6/29
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 272.855+/-354.184 χ²/NDF:29.8/29
Out: 347.070+/-348.249 χ²/NDF:35.7/34
All: 310.590+/-248.321 χ²/NDF: 65.6/64

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1456.619+/-0.294 χ^2/NDF:430122.5/15

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1447.408+/-0.306 χ^2/NDF:500241.0/13

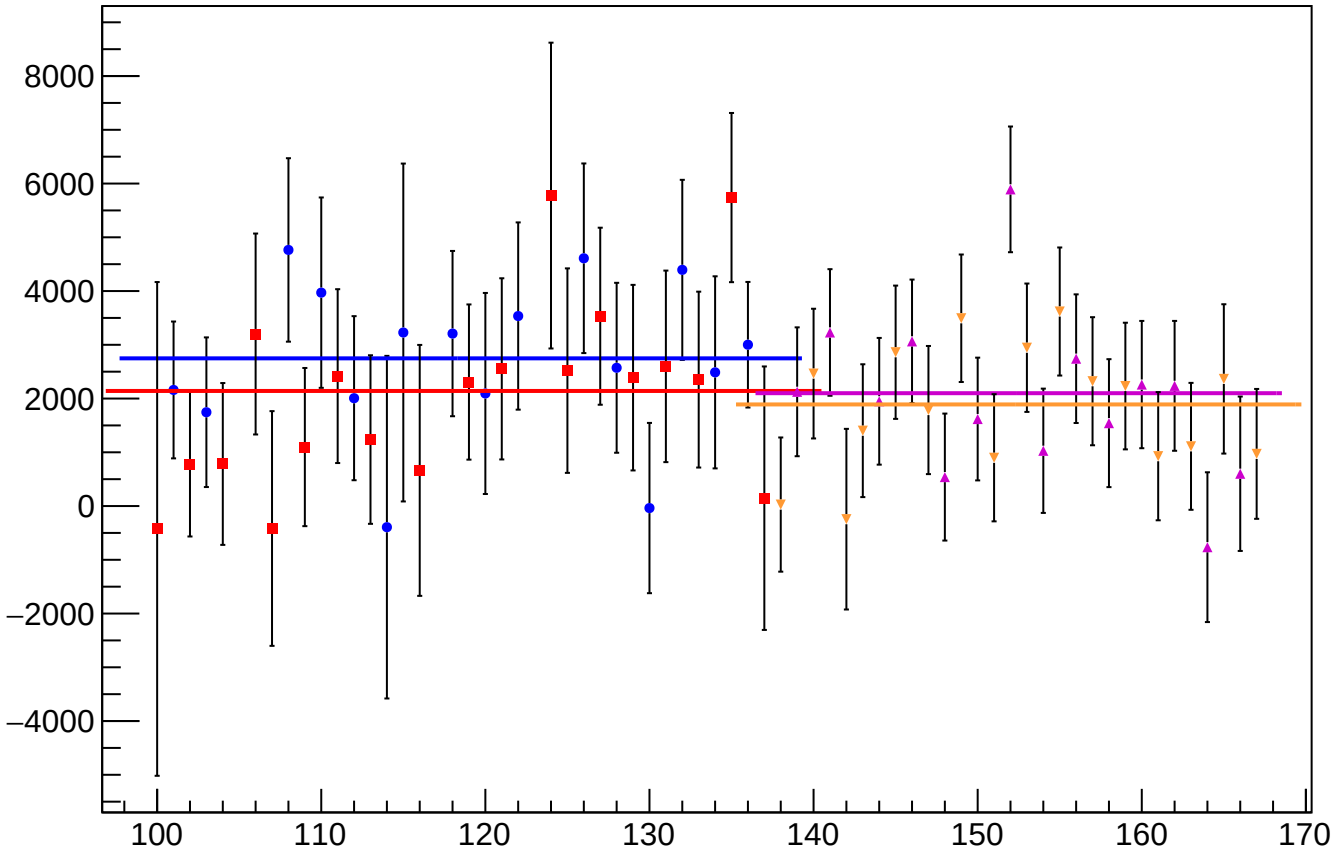
Left: 1452.190+/-0.212 χ^2/NDF: 930835.2/29

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1502.542+/-0.250 χ^2/NDF:1292999.5/29

Out: 1533.195+/-0.246 χ^2/NDF:1084994.3/34

All: 1518.127+/-0.176 χ^2/NDF: 2385610.4/64



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1890.454+/-307.559 χ^2/NDF:12.3/15

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2099.743+/-321.770 χ^2/NDF:20.8/13

Left: 1990.375+/-222.331 χ^2/NDF: 33.3/29

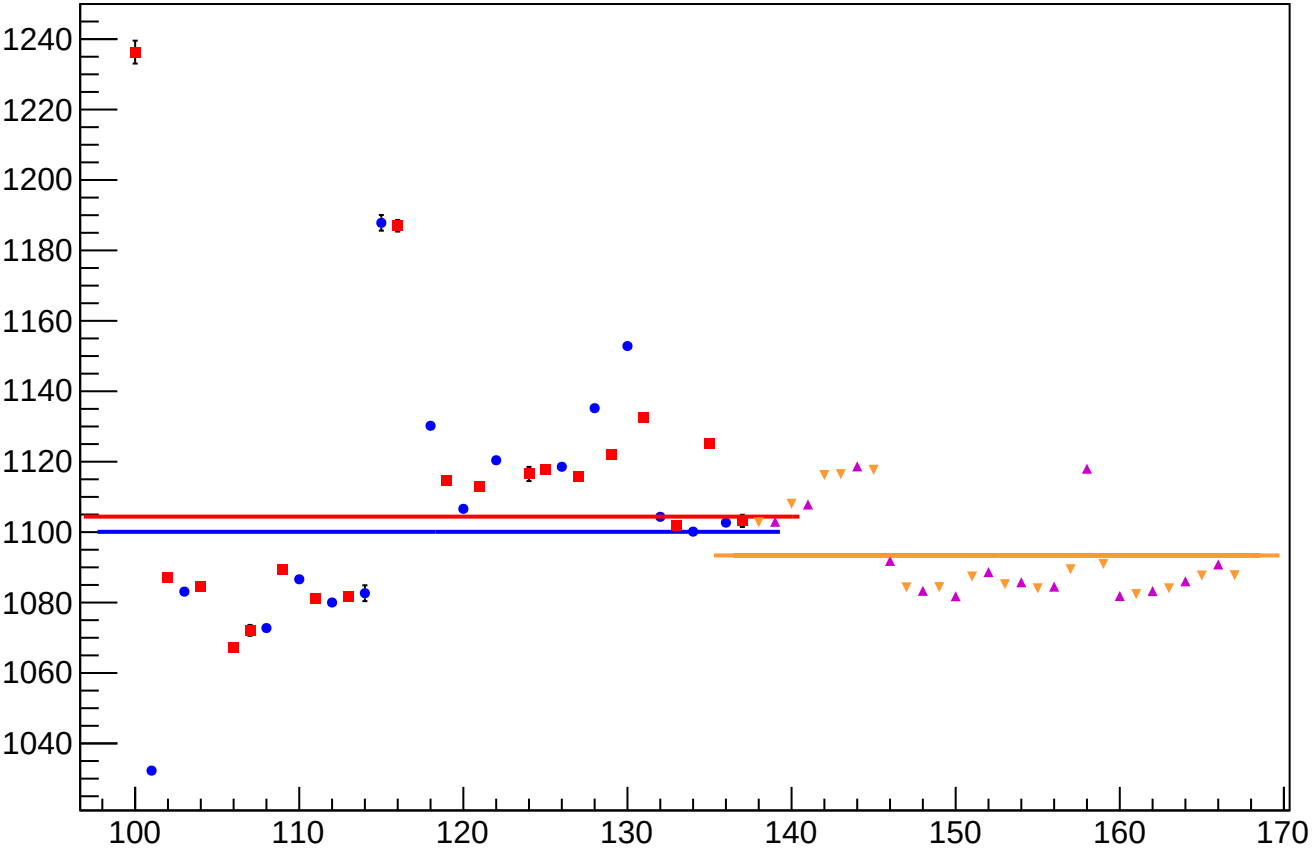
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2347.734+/-252.832 χ^2/NDF:31.8/29

Out: 1982.794+/-244.445 χ^2/NDF:26.1/34

All: 2159.111+/-175.739 χ^2/NDF: 59.0/64

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1093.377+/-0.217 χ^2/NDF:3144.0/15

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1093.374+/-0.228 χ^2/NDF:3181.4/13

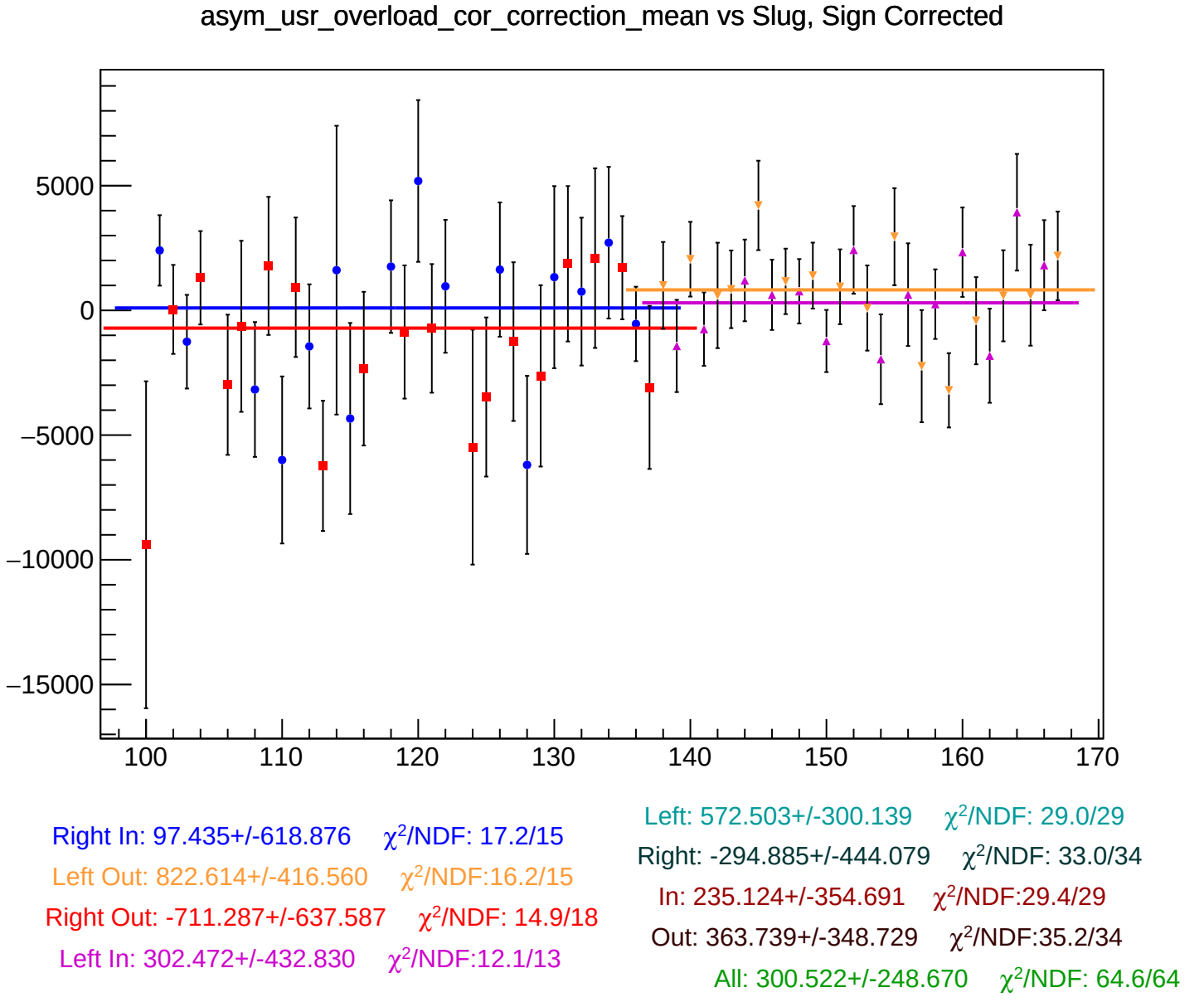
Left: 1093.376+/-0.157 χ^2/NDF: 6325.4/29

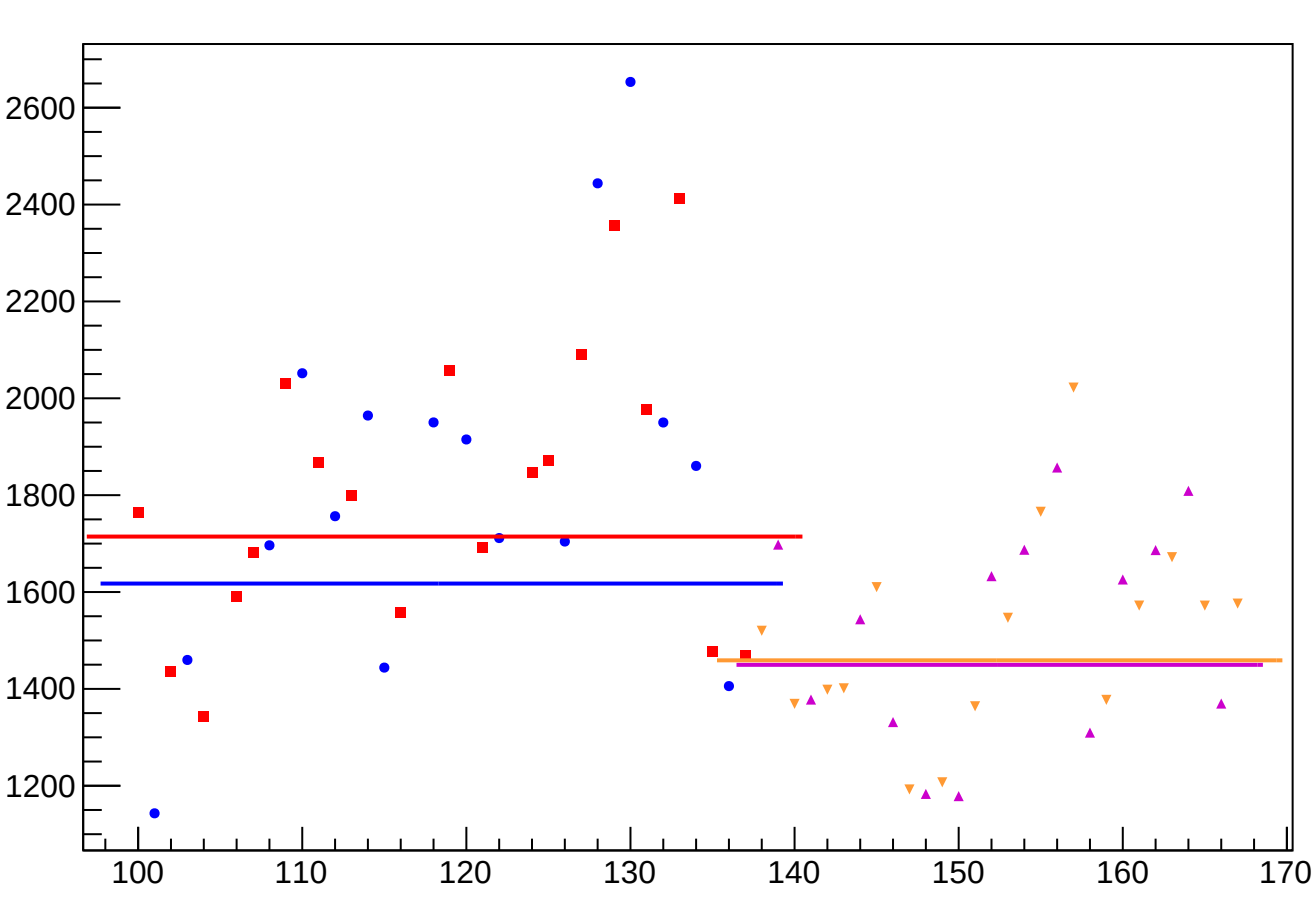
Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1095.944+/-0.179 χ^2/NDF:16591.8/29

Out: 1097.438+/-0.173 χ^2/NDF:12634.3/34

All: 1096.716+/-0.124 χ^2/NDF: 29262.2/64


asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 97.435+/-618.876 χ²/NDF: 17.2/15
Left Out: 822.614+/-416.560 χ²/NDF:16.2/15
Right Out: -711.287+/-637.587 χ²/NDF: 14.9/18
Left In: 302.472+/-432.830 χ²/NDF:12.1/13
Left: 572.503+/-300.139 χ²/NDF: 29.0/29
Right: -294.885+/-444.079 χ²/NDF: 33.0/34
In: 235.124+/-354.691 χ²/NDF:29.4/29
Out: 363.739+/-348.729 χ²/NDF:35.2/34
All: 300.522+/-248.670 χ²/NDF: 64.6/64



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1458.968+/-0.295 χ^2/NDF:428338.5/15

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1449.682+/-0.306 χ^2/NDF:498302.5/13

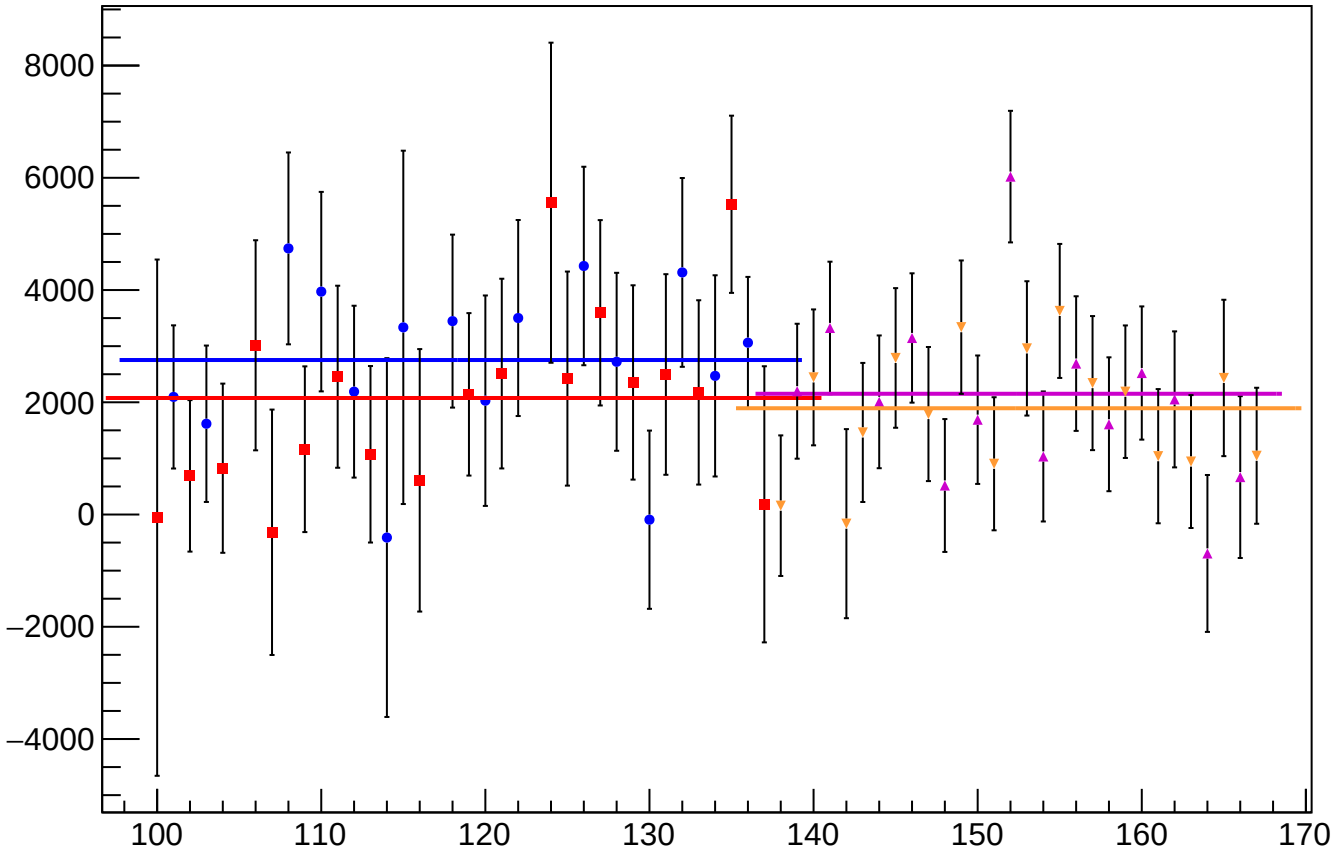
Left: 1454.503+/-0.212 χ^2/NDF: 927119.0/29

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1504.802+/-0.251 χ^2/NDF:1288774.5/29

Out: 1535.414+/-0.247 χ^2/NDF:1081206.4/34

All: 1520.367+/-0.176 χ^2/NDF: 2377556.3/64



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1893.791+/-308.367 χ^2/NDF:11.3/15

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2151.690+/-322.594 χ^2/NDF:21.4/13

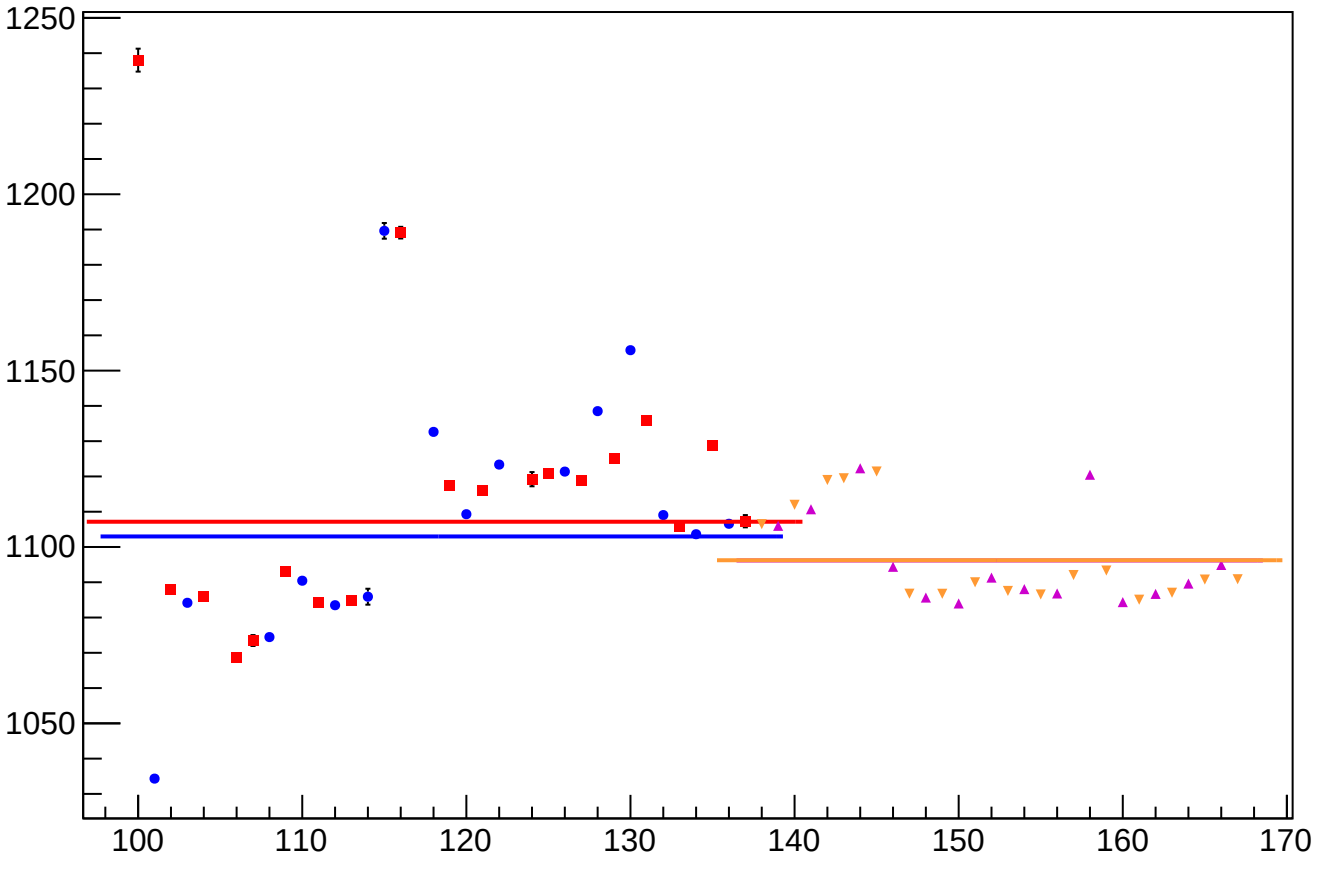
Left: 2016.928+/-222.908 χ^2/NDF: 33.0/29

Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2381.769+/-253.488 χ^2/NDF:32.2/29

Out: 1961.084+/-245.076 χ^2/NDF:24.0/34

All: 2164.331+/-176.194 χ^2/NDF: 57.6/64



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.243+/-0.218 χ^2/NDF:3307.2/15

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.174+/-0.228 χ^2/NDF:3252.8/13

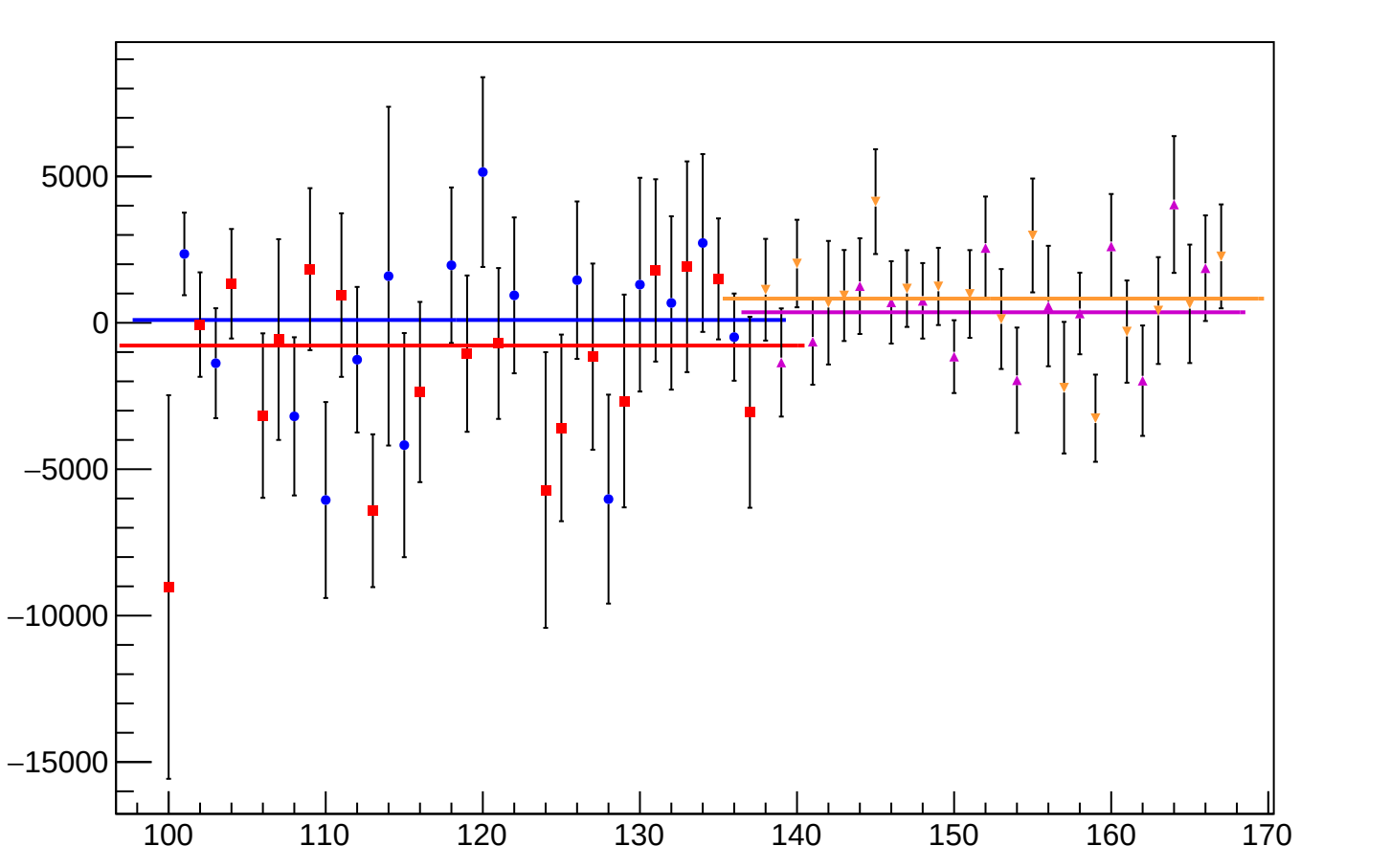
Left: 1096.210+/-0.158 χ^2/NDF: 6560.0/29

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1098.781+/-0.179 χ^2/NDF:16817.9/29

Out: 1100.264+/-0.173 χ^2/NDF:12913.8/34

All: 1099.548+/-0.125 χ^2/NDF: 29767.1/64



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 826.326+/-415.915 χ^2/NDF:16.2/15

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 359.340+/-432.176 χ^2/NDF:12.8/13

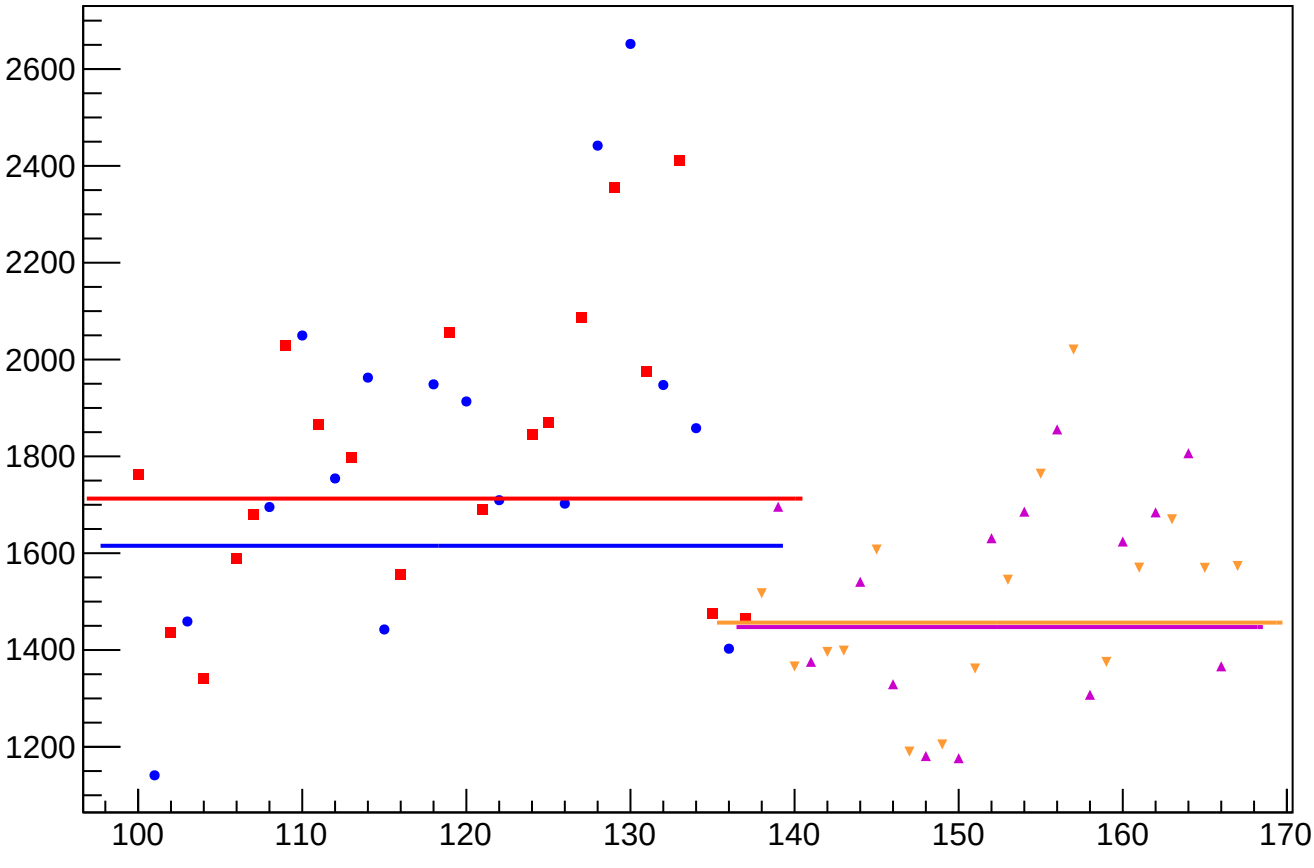
Left: 601.784+/-299.680 χ^2/NDF: 29.6/29

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 272.855+/-354.184 χ^2/NDF:29.8/29

Out: 347.070+/-348.249 χ^2/NDF:35.7/34

All: 310.590+/-248.321 χ^2/NDF: 65.6/64



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1456.619+/-0.294 χ^2/NDF:430122.5/15

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1447.408+/-0.306 χ^2/NDF:500241.0/13

Left: 1452.190+/-0.212 χ^2/NDF: 930835.2/29

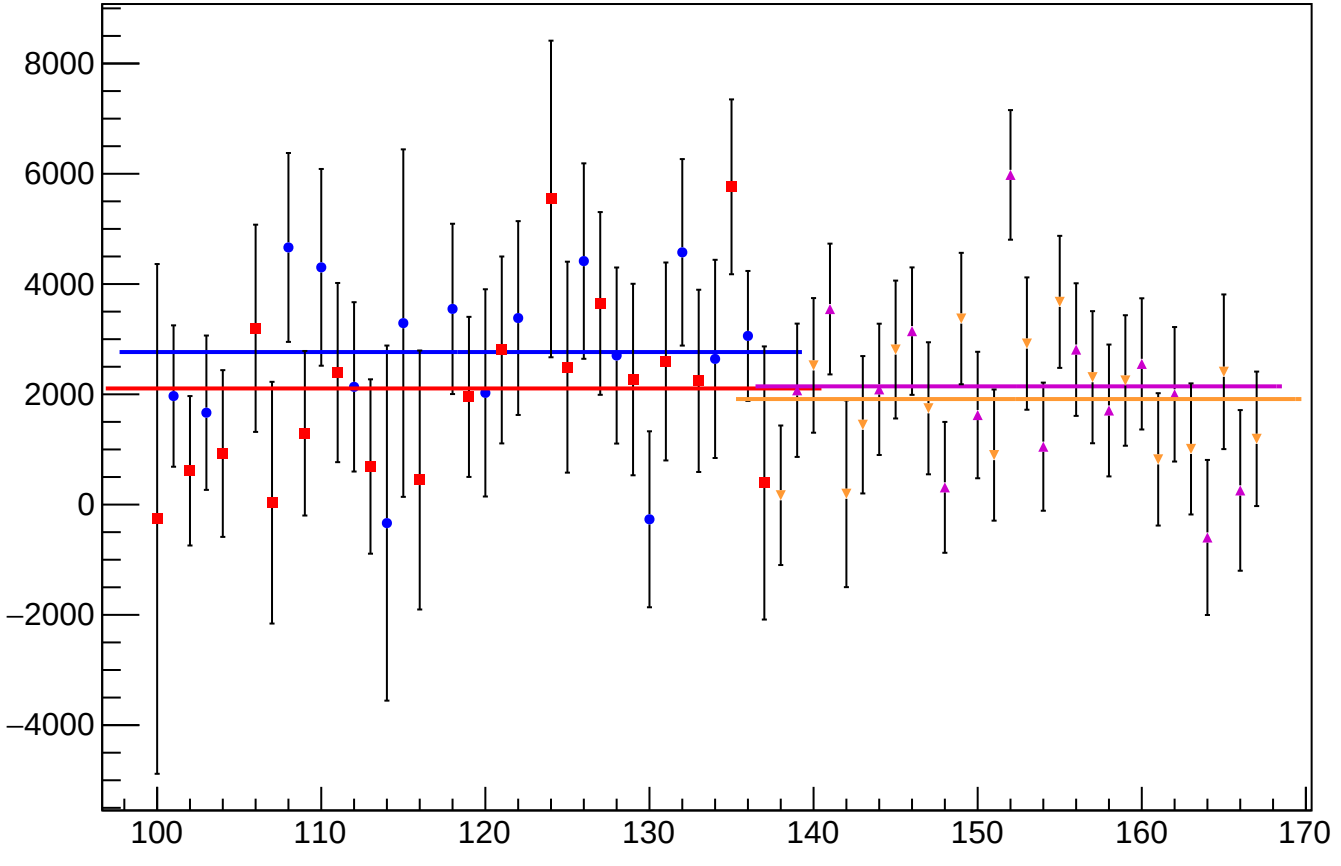
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1502.542+/-0.250 χ^2/NDF:1292999.5/29

Out: 1533.195+/-0.246 χ^2/NDF:1084994.3/34

All: 1518.127+/-0.176 χ^2/NDF: 2385610.4/64

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1914.125+/-309.770 χ^2/NDF:11.0/15

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2144.561+/-323.923 χ^2/NDF:22.3/13

Left: 2024.199+/-223.877 χ^2/NDF: 33.6/29

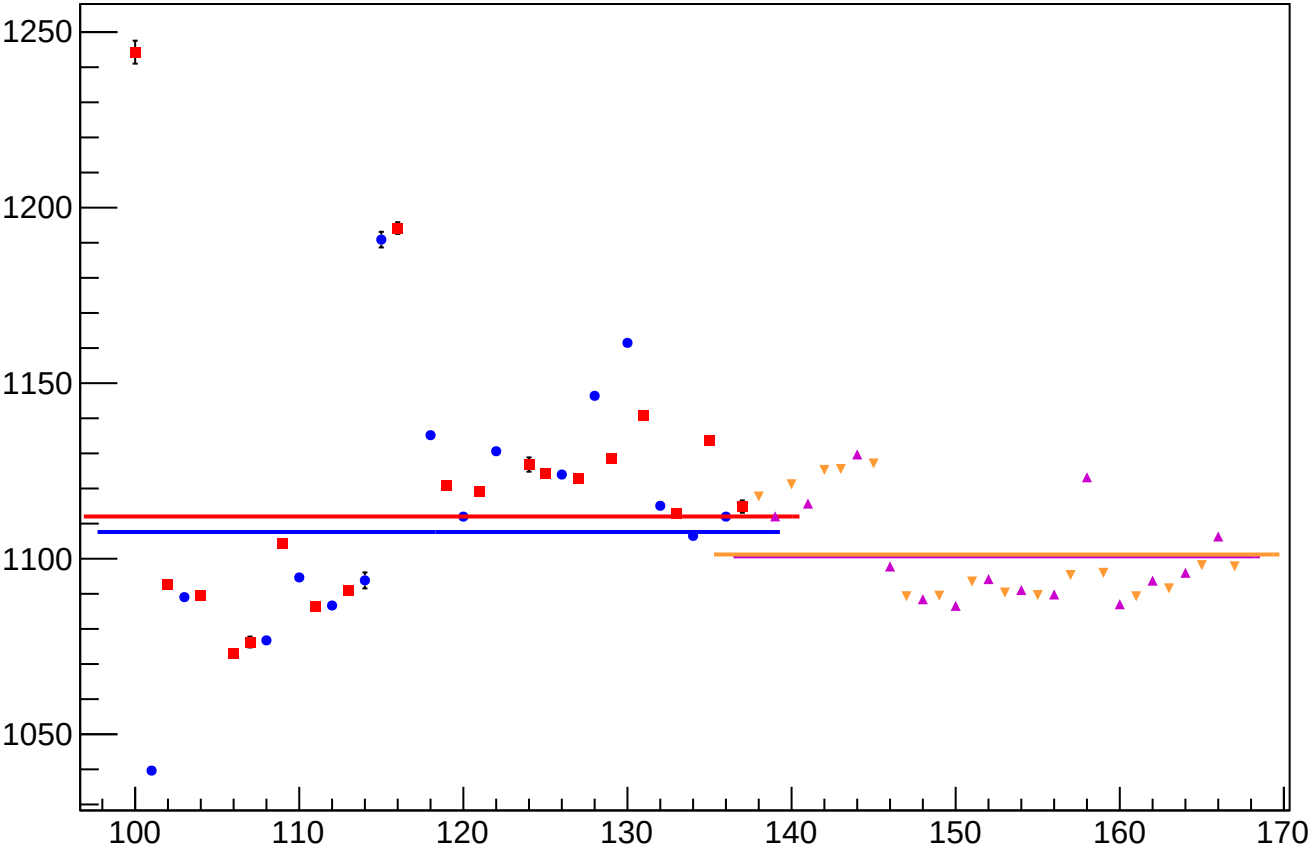
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2382.518+/-254.541 χ^2/NDF:34.1/29

Out: 1984.947+/-246.181 χ^2/NDF:24.5/34

All: 2177.096+/-176.958 χ^2/NDF: 59.8/64

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.203+/-0.219 χ^2/NDF:4169.6/15

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.667+/-0.229 χ^2/NDF:3665.3/13

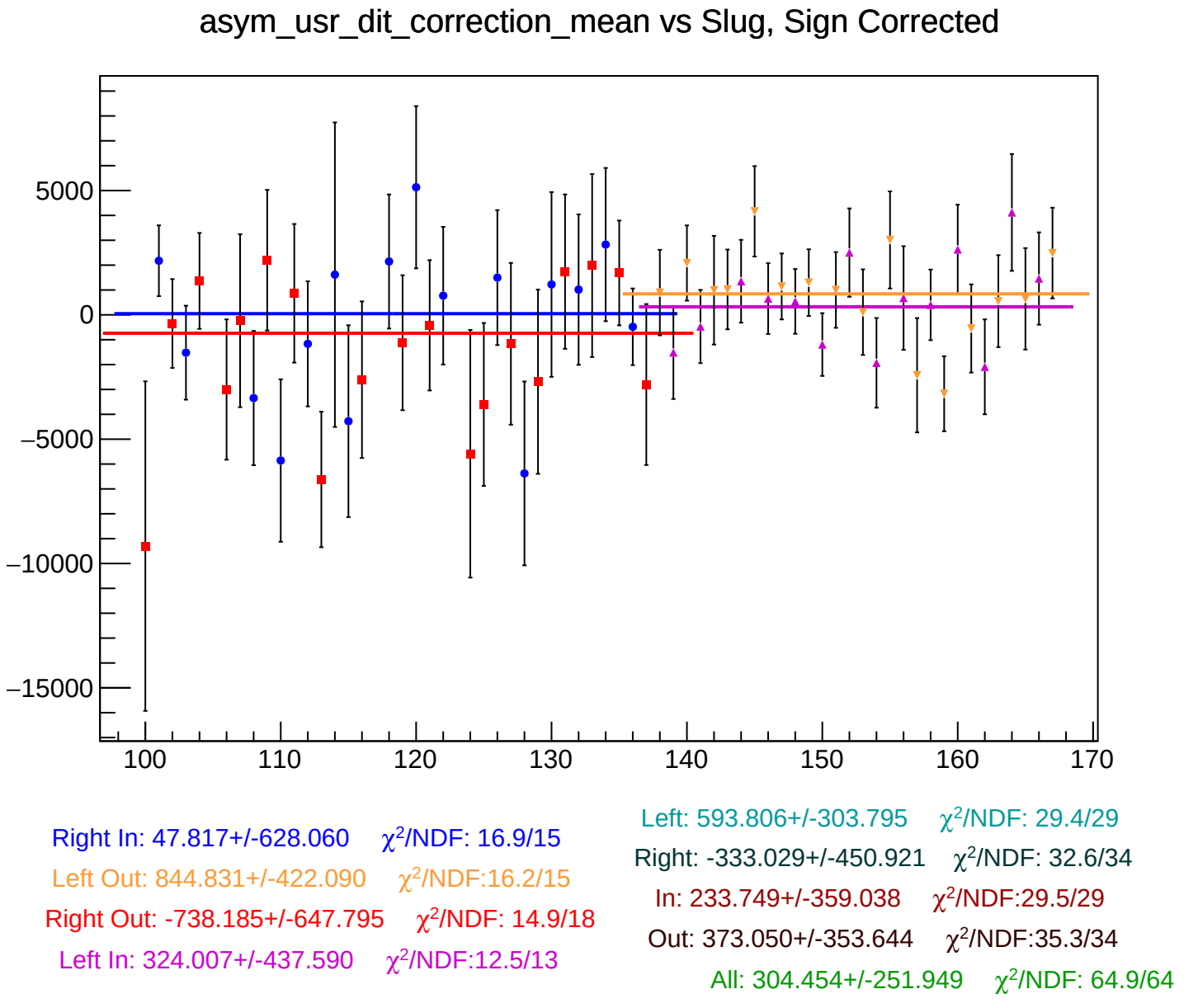
Left: 1100.947+/-0.158 χ^2/NDF: 7837.8/29

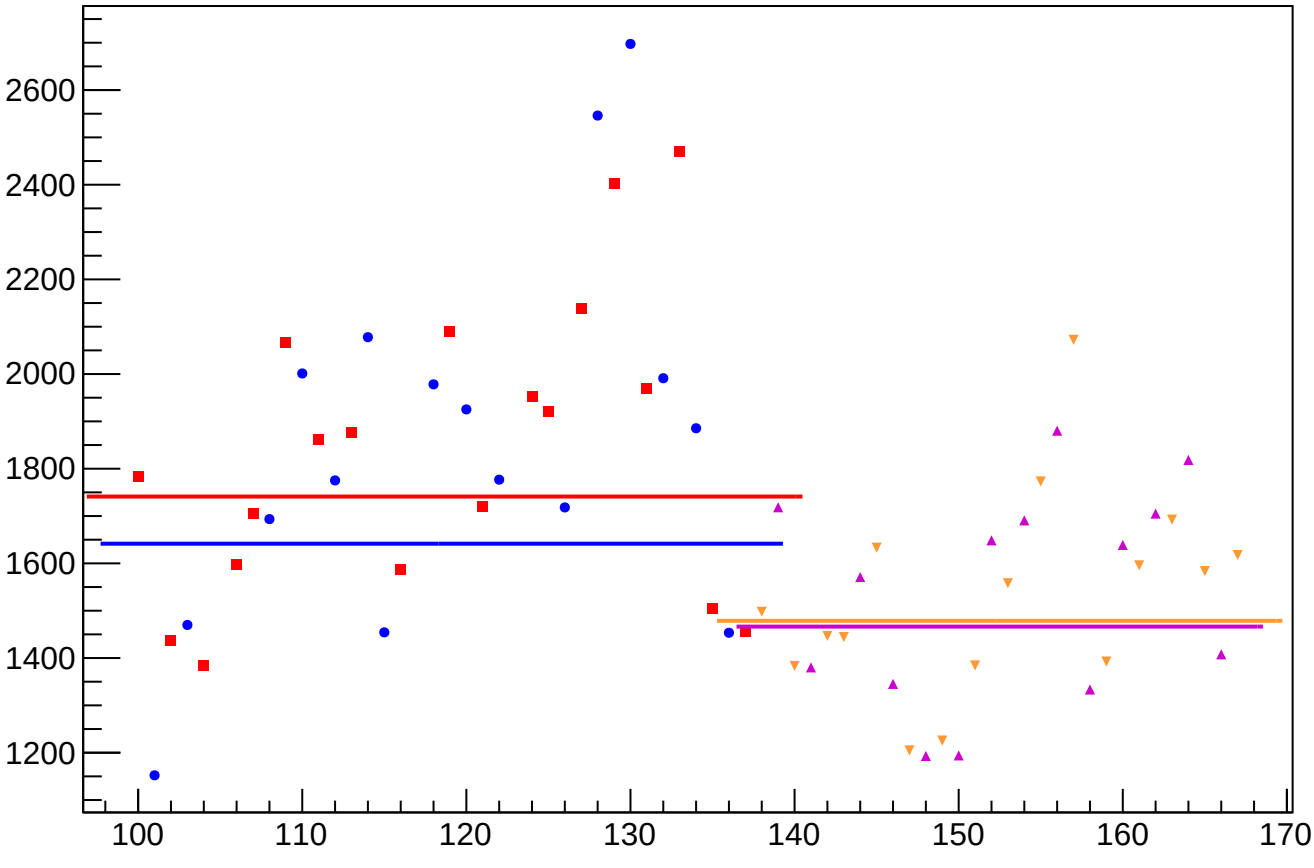
Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1103.324+/-0.180 χ^2/NDF:17238.0/29

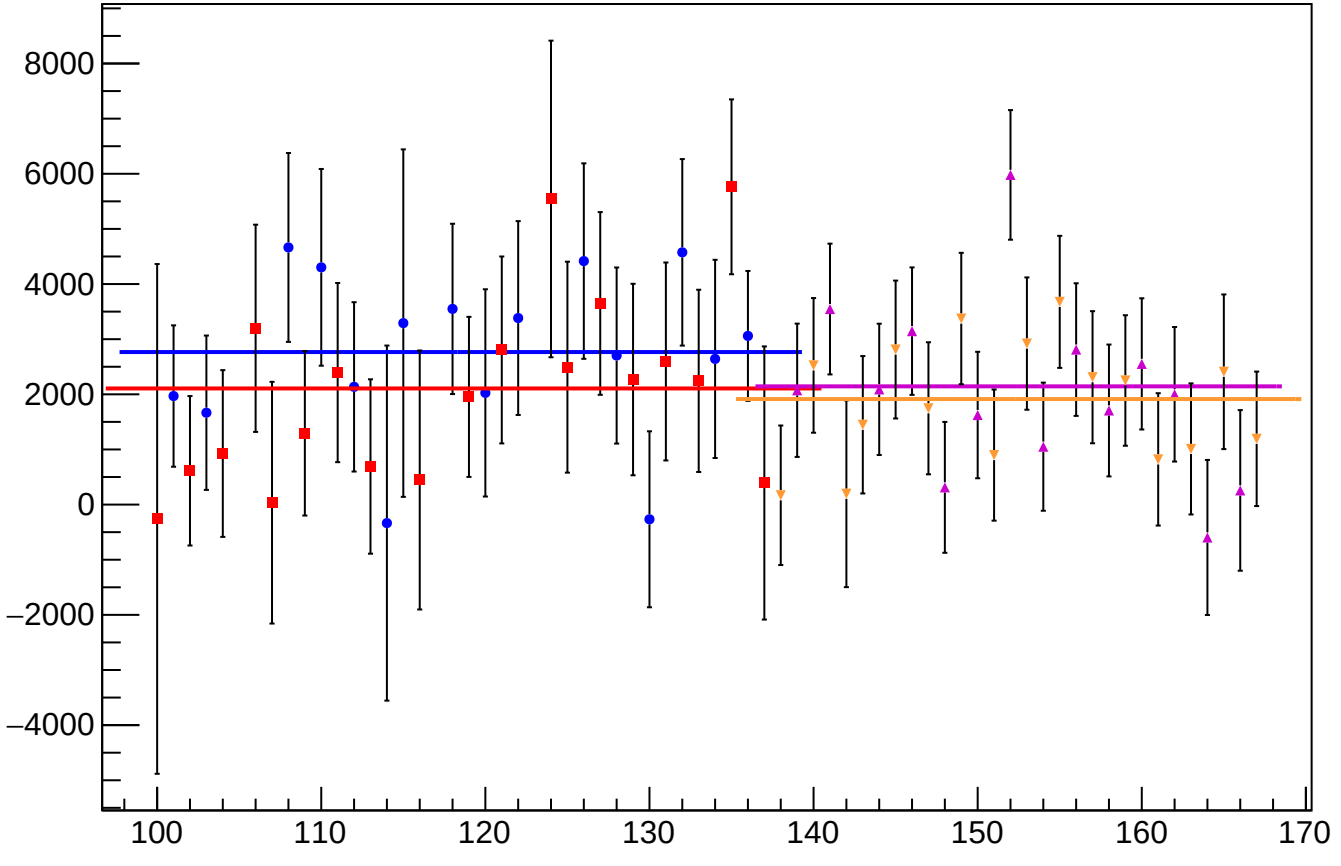
Out: 1105.191+/-0.174 χ^2/NDF:13723.1/34

All: 1104.289+/-0.125 χ^2/NDF: 31016.7/64


asym_usr_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 47.817+/-628.060 χ²/NDF: 16.9/15
Left Out: 844.831+/-422.090 χ²/NDF:16.2/15
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: 324.007+/-437.590 χ²/NDF:12.5/13
Left: 593.806+/-303.795 χ²/NDF: 29.4/29
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: 233.749+/-359.038 χ²/NDF:29.5/29
Out: 373.050+/-353.644 χ²/NDF:35.3/34
All: 304.454+/-251.949 χ²/NDF: 64.9/64


asym_usr_dit_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
Right In: 1641.538+/-0.444 χ²/NDF: 701311.4/15
Left Out: 1478.670+/-0.298 χ²/NDF:430120.3/15
Right Out: 1741.200+/-0.458 χ²/NDF: 438336.6/18
Left In: 1466.422+/-0.309 χ²/NDF:491594.7/13
Left: 1472.766+/-0.215 χ²/NDF: 922526.7/29
Right: 1689.828+/-0.319 χ²/NDF: 1164049.3/34
In: 1523.649+/-0.254 χ²/NDF:1297576.9/29
Out: 1556.911+/-0.250 χ²/NDF:1099043.4/34
All: 1540.532+/-0.178 χ²/NDF: 2405332.6/64

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1914.122+/-309.770 χ^2/NDF:11.0/15

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2144.562+/-323.923 χ^2/NDF:22.3/13

Left: 2024.197+/-223.877 χ^2/NDF: 33.6/29

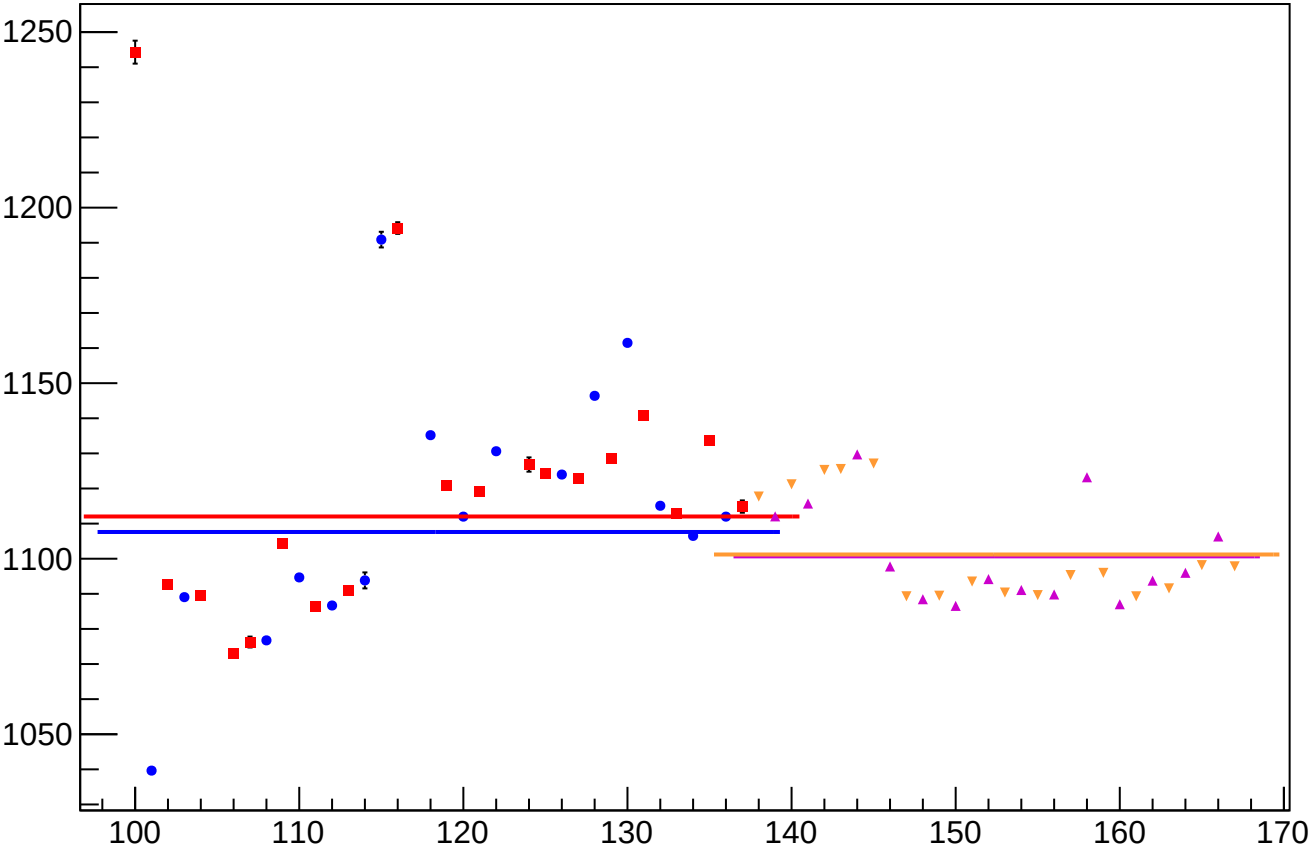
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2382.518+/-254.541 χ^2/NDF:34.1/29

Out: 1984.946+/-246.180 χ^2/NDF:24.5/34

All: 2177.096+/-176.958 χ^2/NDF: 59.8/64

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.203+/-0.219 χ^2/NDF:4169.6/15

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.667+/-0.229 χ^2/NDF:3665.3/13

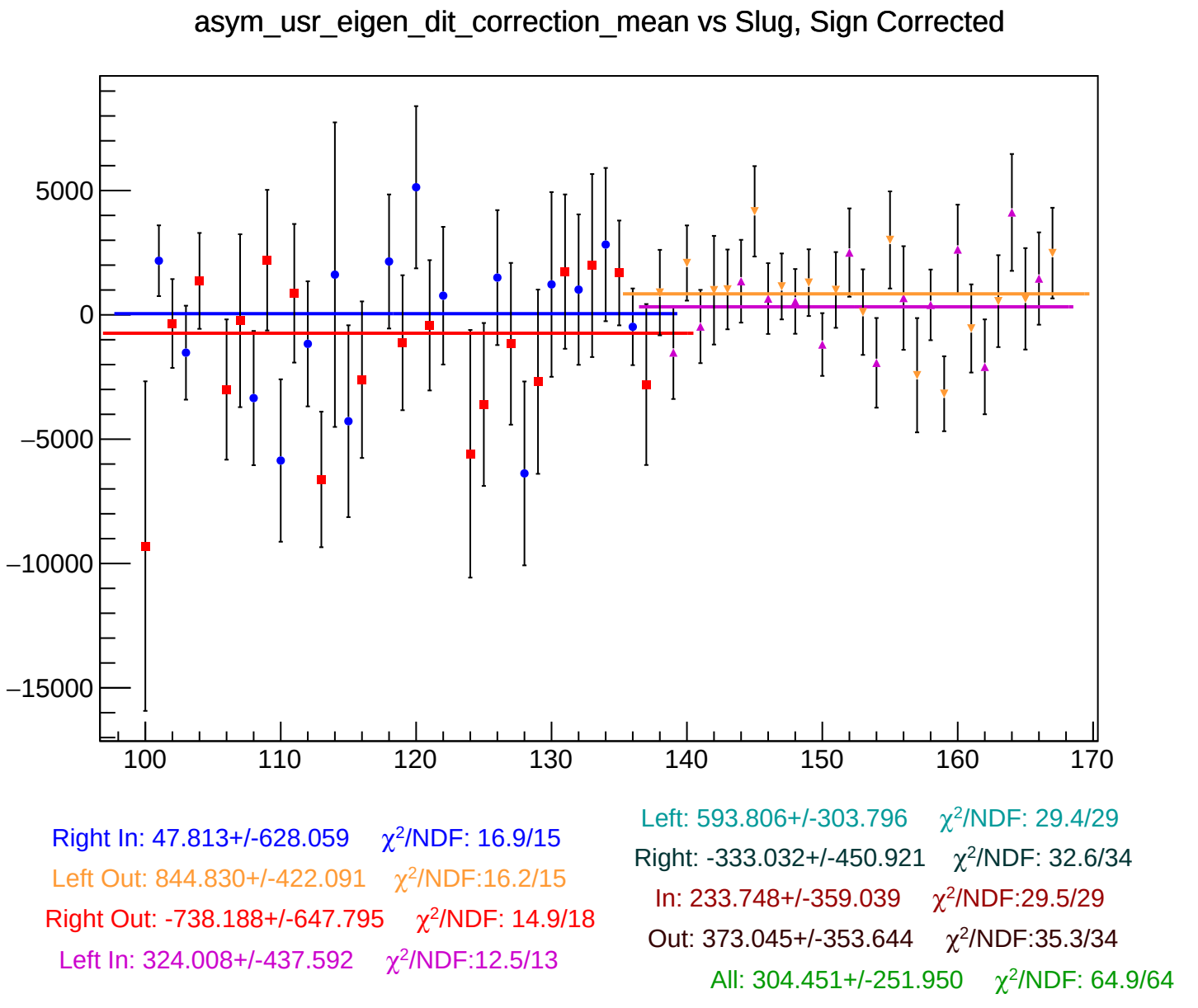
Left: 1100.947+/-0.158 χ^2/NDF: 7837.8/29

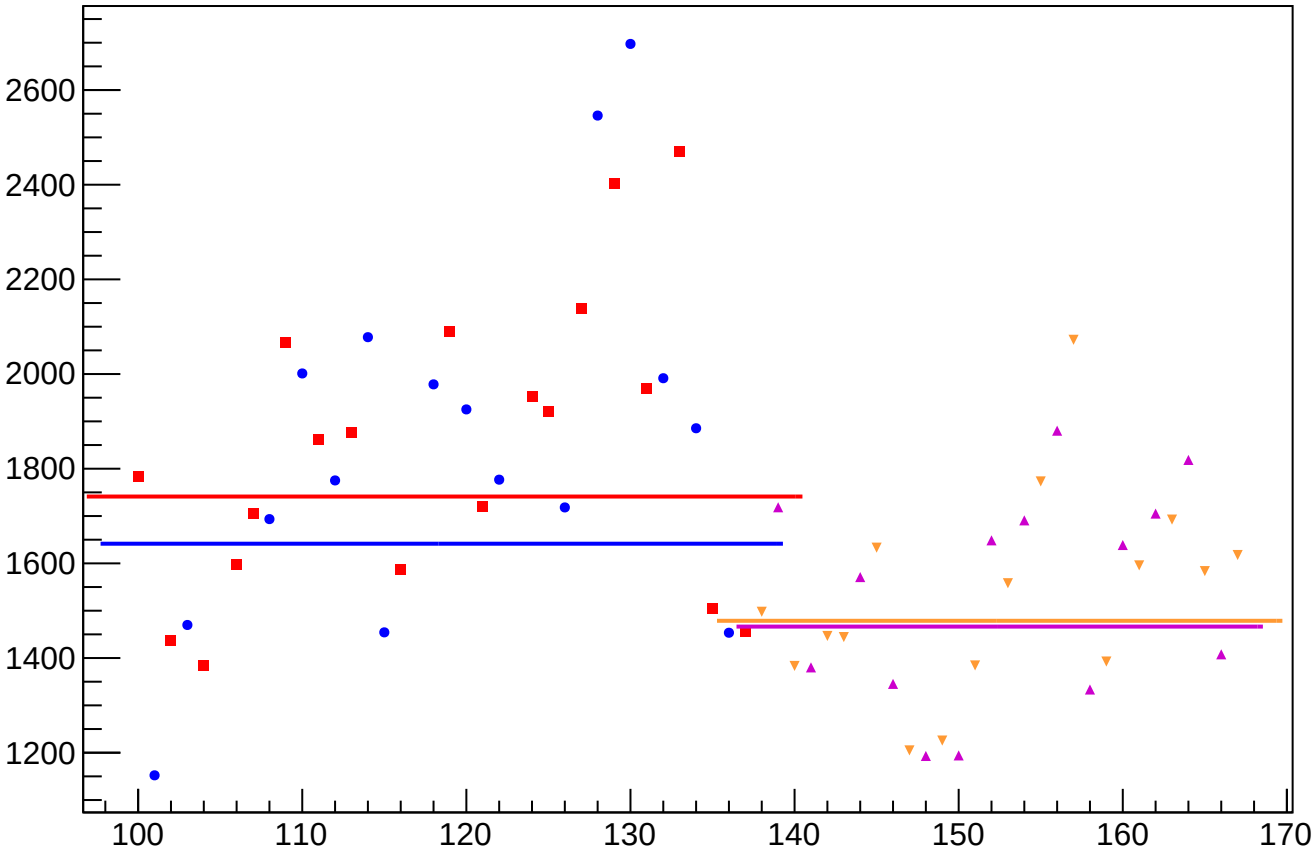
Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1103.324+/-0.180 χ^2/NDF:17237.9/29

Out: 1105.191+/-0.174 χ^2/NDF:13723.1/34

All: 1104.289+/-0.125 χ^2/NDF: 31016.6/64


asym_usr_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 47.813+/-628.059 χ²/NDF: 16.9/15
Left Out: 844.830+/-422.091 χ²/NDF:16.2/15
Right Out: -738.188+/-647.795 χ²/NDF: 14.9/18
Left In: 324.008+/-437.592 χ²/NDF:12.5/13
Left: 593.806+/-303.796 χ²/NDF: 29.4/29
Right: -333.032+/-450.921 χ²/NDF: 32.6/34
In: 233.748+/-359.039 χ²/NDF:29.5/29
Out: 373.045+/-353.644 χ²/NDF:35.3/34
All: 304.451+/-251.950 χ²/NDF: 64.9/64



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1478.673+/-0.298 χ^2/NDF:430124.8/15

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1466.425+/-0.309 χ^2/NDF:491600.3/13

Left: 1472.770+/-0.215 χ^2/NDF: 922536.7/29

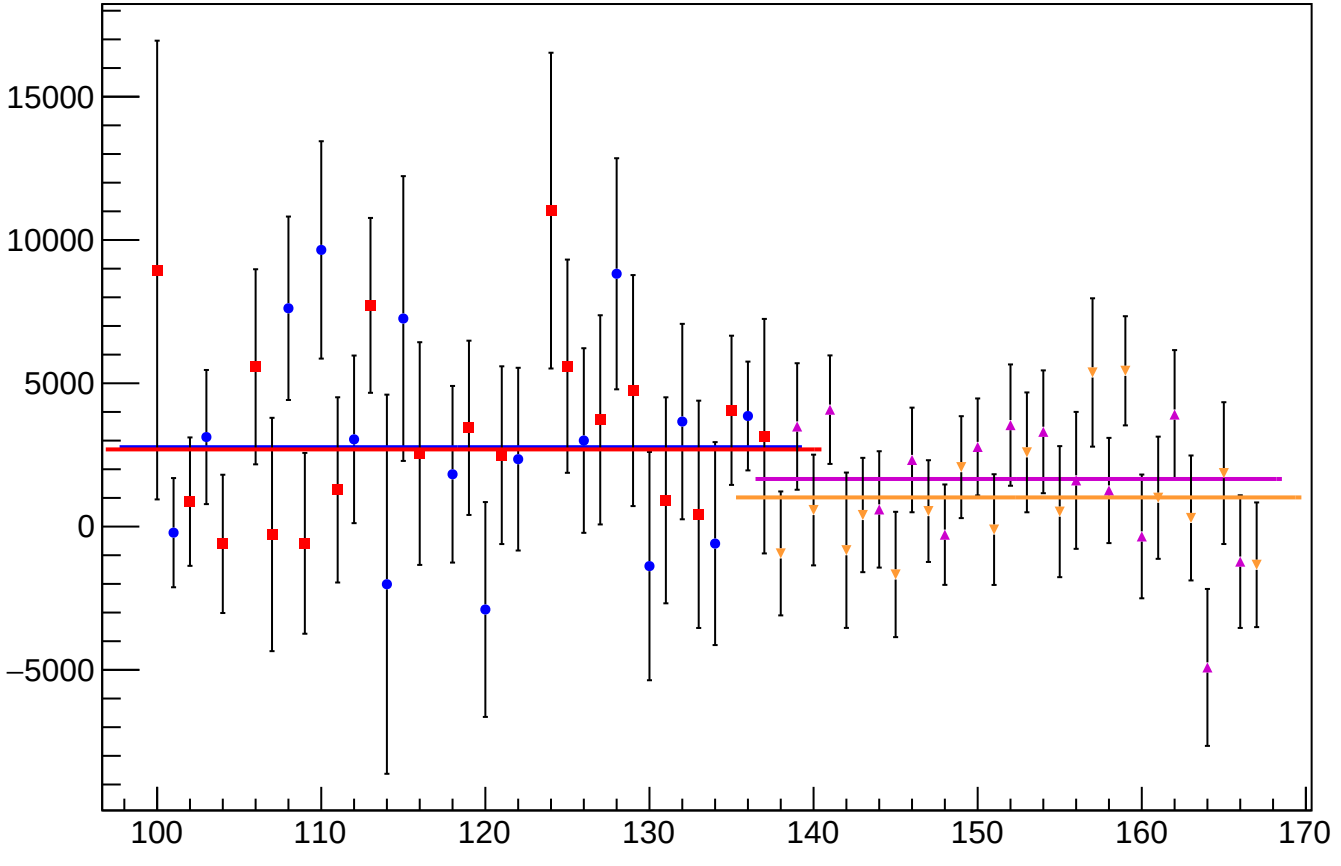
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1523.651+/-0.254 χ^2/NDF:1297563.6/29

Out: 1556.913+/-0.250 χ^2/NDF:1099027.2/34

All: 1540.534+/-0.178 χ^2/NDF: 2405303.2/64

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1017.591+/-524.849 χ^2/NDF:13.9/15

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 1660.839+/-546.581 χ^2/NDF:15.0/13

Left: 1326.173+/-378.574 χ^2/NDF: 29.6/29

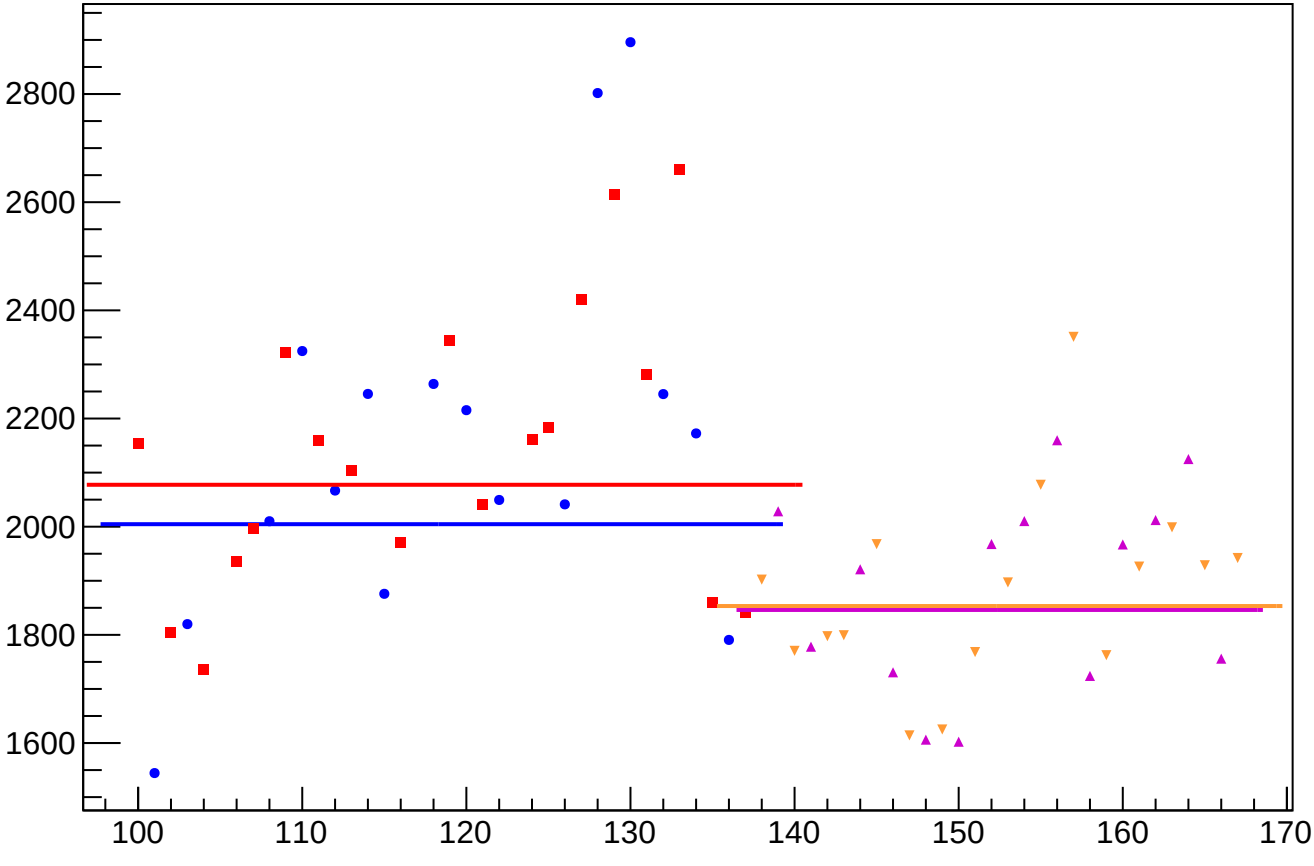
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2040.841+/-443.163 χ^2/NDF:32.9/29

Out: 1552.972+/-432.921 χ^2/NDF:29.7/34

All: 1791.204+/-309.679 χ^2/NDF: 63.2/64

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1853.301+/-0.371 χ^2/NDF:200677.3/15

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1846.057+/-0.386 χ^2/NDF:208629.6/13

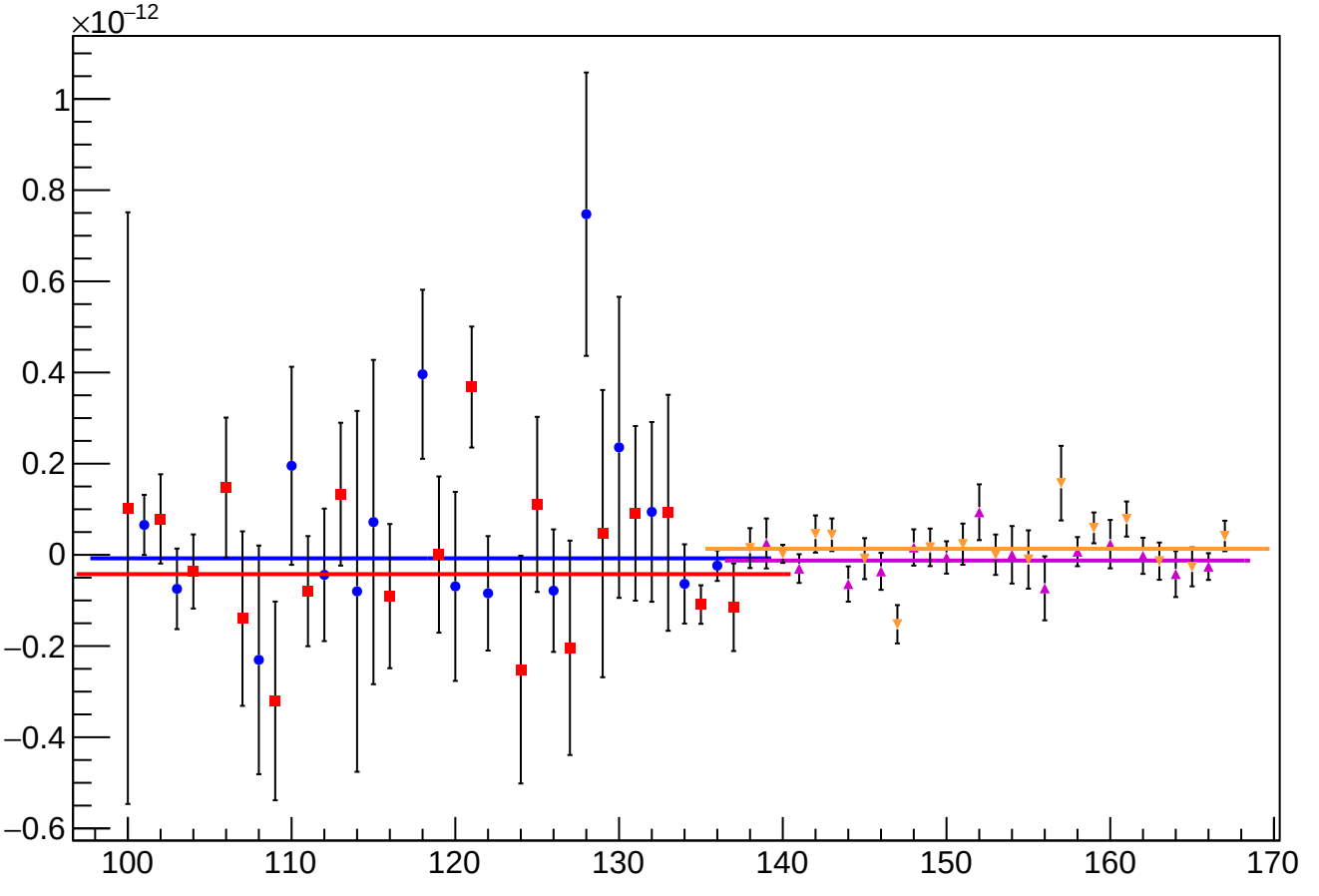
Left: 1849.826+/-0.268 χ^2/NDF: 409489.6/29

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1900.389+/-0.313 χ^2/NDF:653876.1/29

Out: 1924.960+/-0.306 χ^2/NDF:547805.2/34

All: 1912.962+/-0.219 χ^2/NDF: 1204827.4/64



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/13

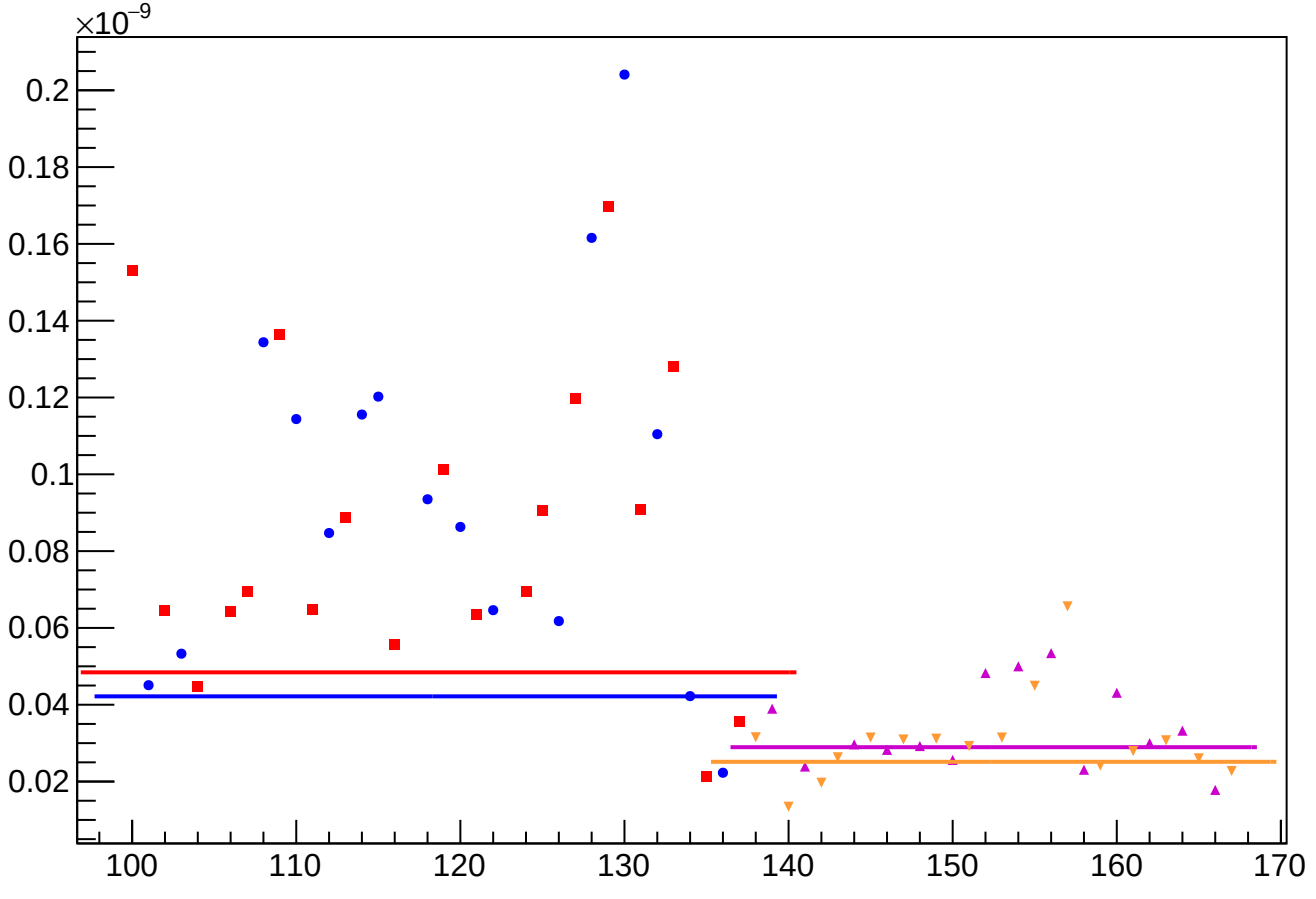
Left: 0.000+/-0.000 χ^2/NDF: 39.4/29

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:25.2/29

Out: 0.000+/-0.000 χ^2/NDF:53.1/34

All: -0.000+/-0.000 χ^2/NDF: 80.2/64



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1699370.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1317507.1/13

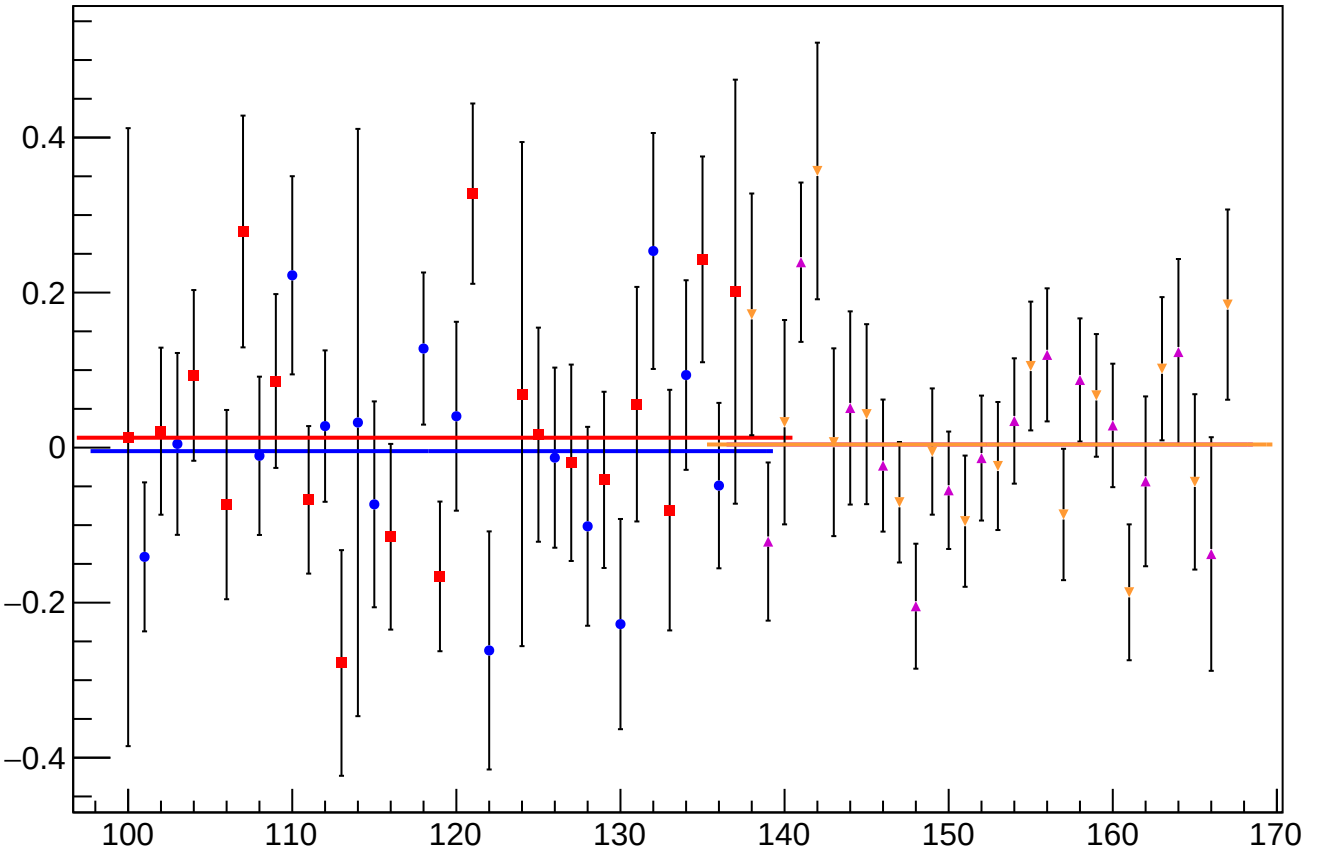
Left: 0.000+/-0.000 χ^2/NDF: 3154675.2/29

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:4744180.6/29

Out: 0.000+/-0.000 χ^2/NDF:5627782.5/34

All: 0.000+/-0.000 χ^2/NDF: 10507449.5/64



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.004+/-0.024 χ^2/NDF:19.5/13

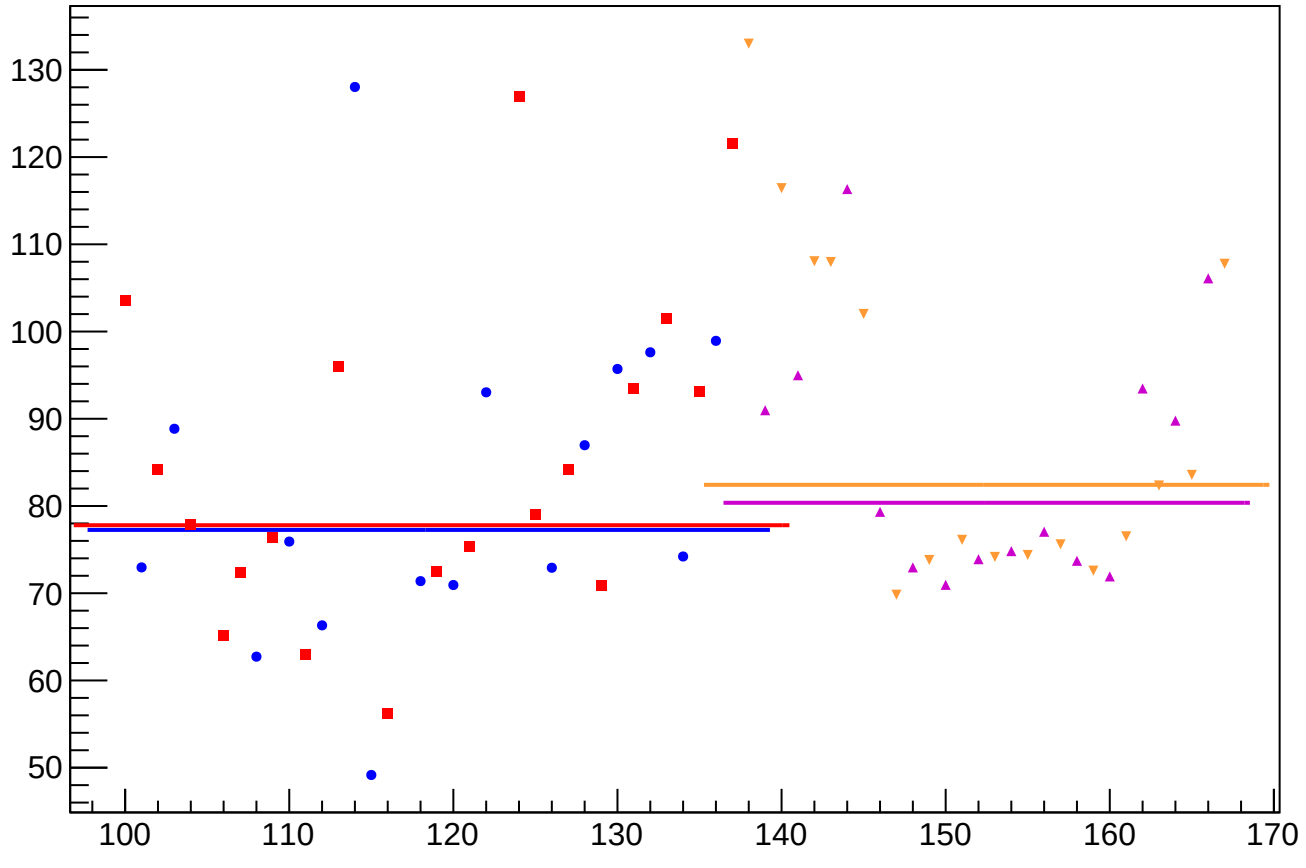
Left: 0.004+/-0.017 χ^2/NDF: 39.3/29

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.019 χ^2/NDF:36.9/29

Out: 0.008+/-0.019 χ^2/NDF:45.3/34

All: 0.004+/-0.013 χ^2/NDF: 82.2/64



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.427+/-0.017 χ^2/NDF:800780.8/15

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.368+/-0.017 χ^2/NDF:437711.1/13

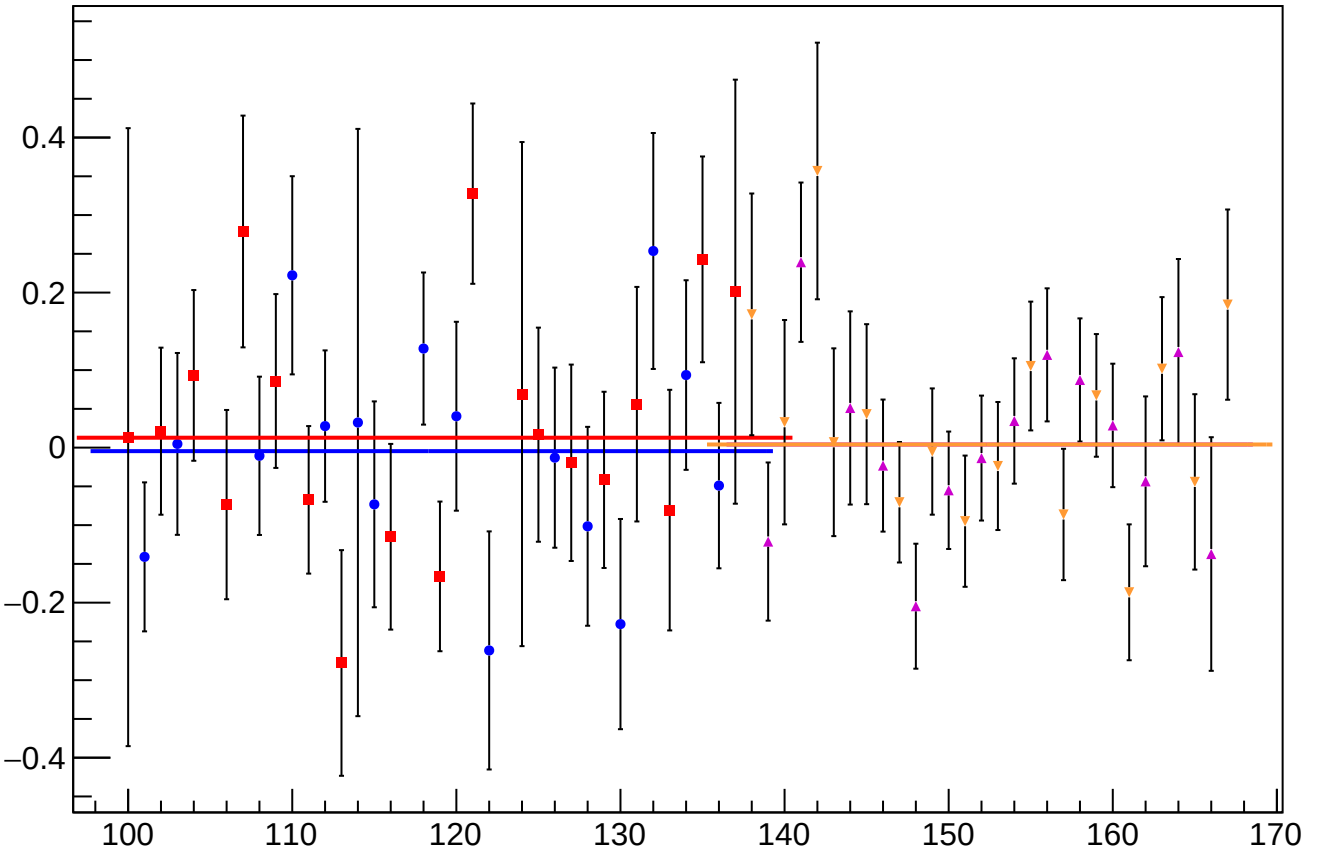
Left: 81.409+/-0.012 χ^2/NDF: 1245681.6/29

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.131+/-0.013 χ^2/NDF:869898.0/29

Out: 80.587+/-0.013 χ^2/NDF:1226506.4/34

All: 79.867+/-0.009 χ^2/NDF: 2102365.6/64



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.004+/-0.024 χ^2/NDF:19.5/13

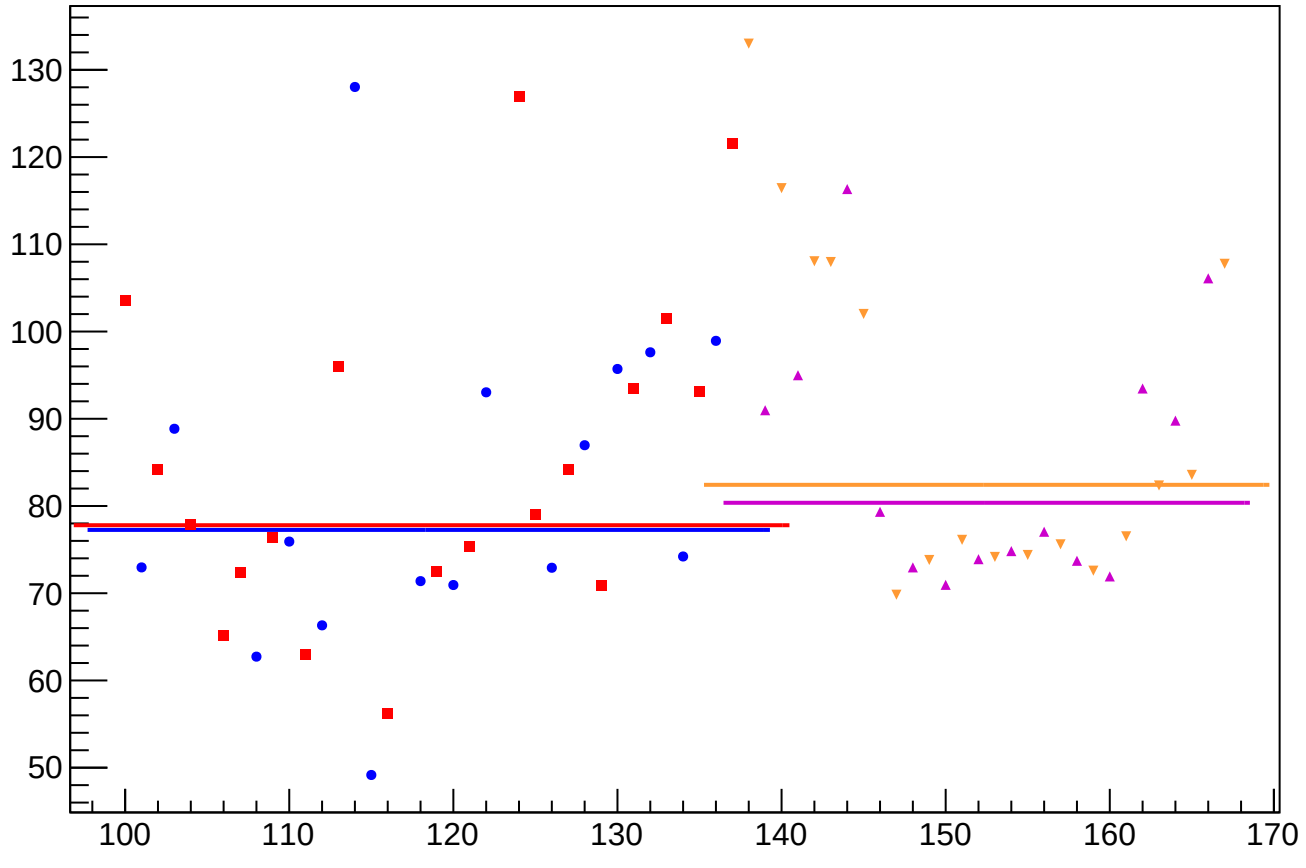
Left: 0.004+/-0.017 χ^2/NDF: 39.3/29

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.019 χ^2/NDF:36.9/29

Out: 0.008+/-0.019 χ^2/NDF:45.3/34

All: 0.004+/-0.013 χ^2/NDF: 82.2/64



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.427+/-0.017 χ^2/NDF:800780.8/15

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.368+/-0.017 χ^2/NDF:437711.1/13

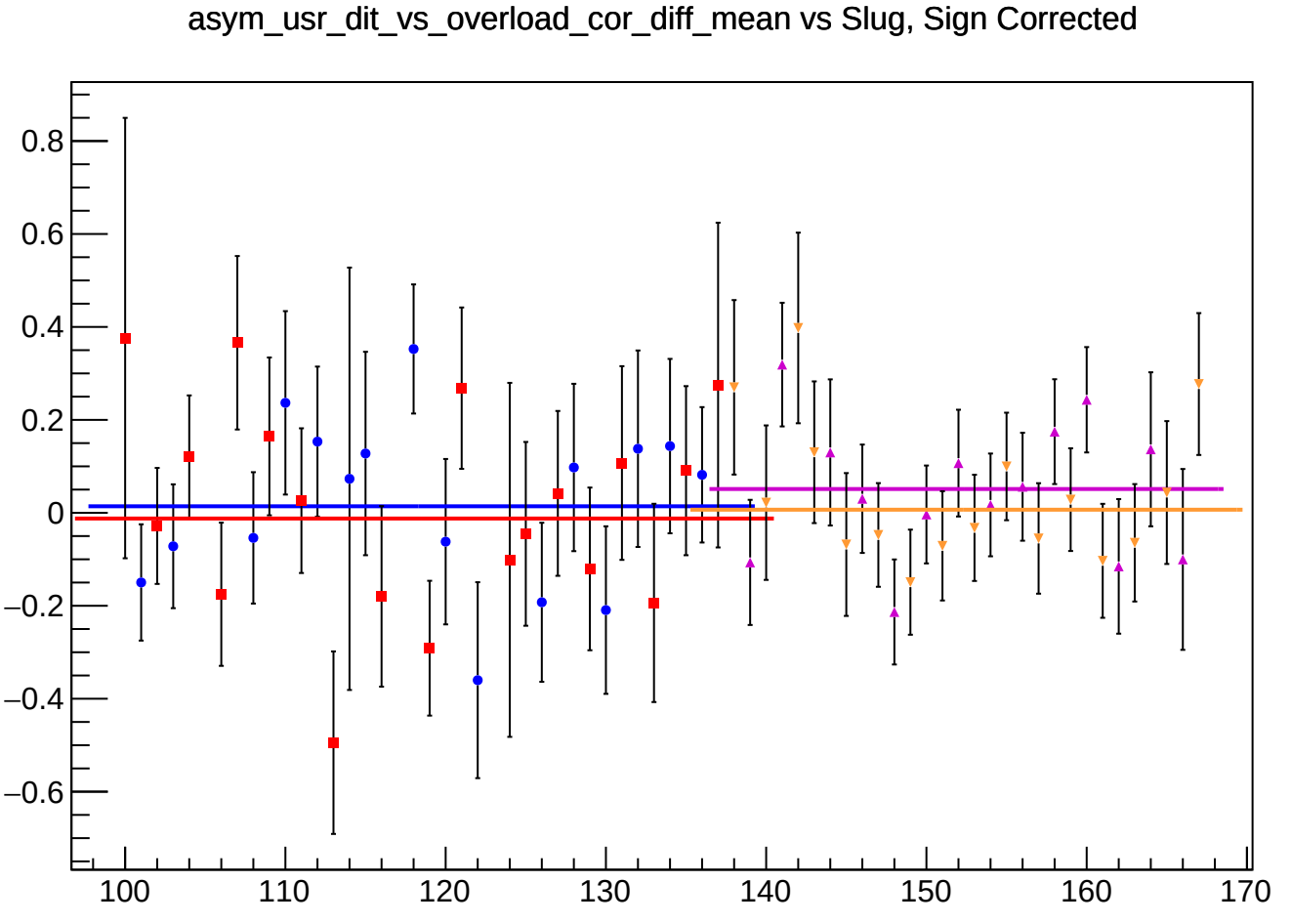
Left: 81.409+/-0.012 χ^2/NDF: 1245681.6/29

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.131+/-0.013 χ^2/NDF:869898.0/29

Out: 80.587+/-0.013 χ^2/NDF:1226506.4/34

All: 79.867+/-0.009 χ^2/NDF: 2102365.6/64


asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
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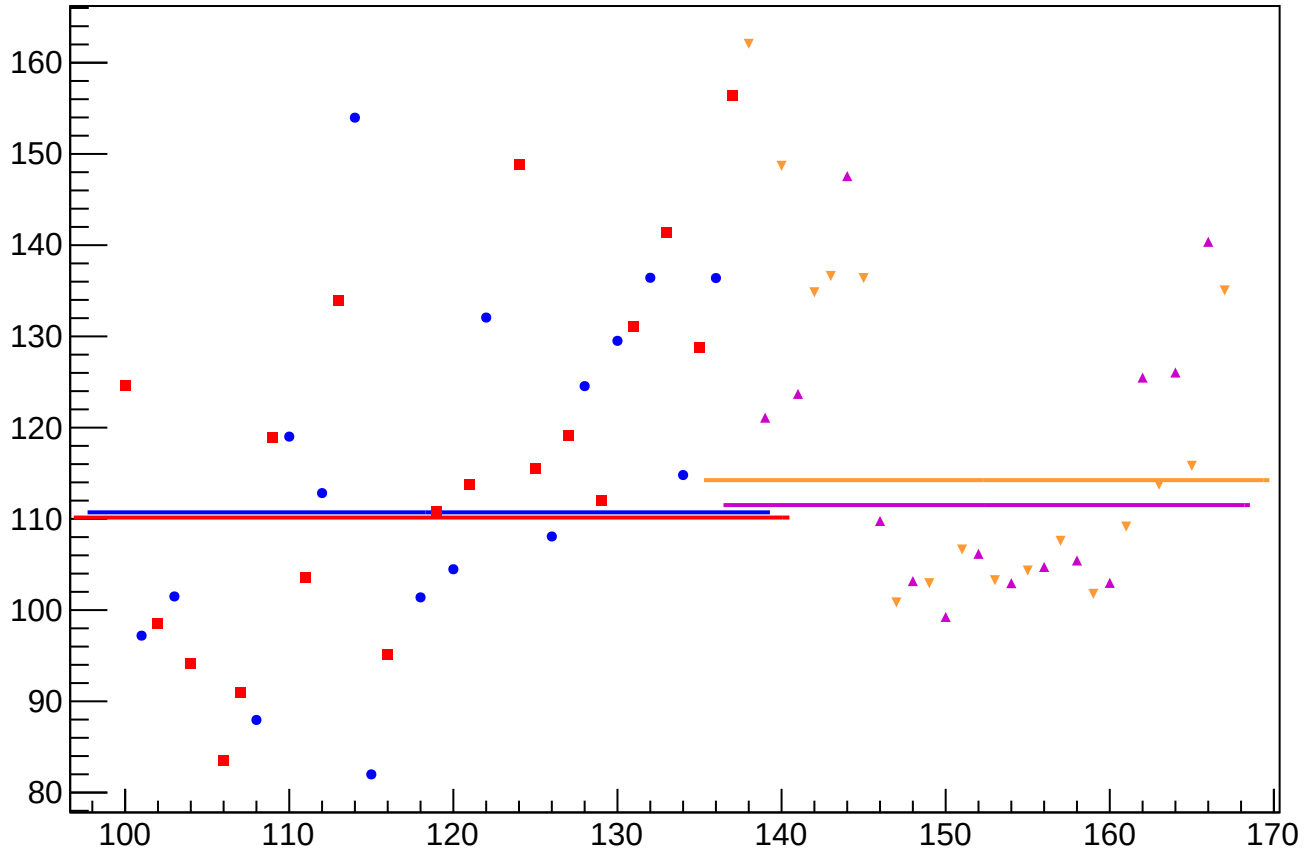
170
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.007+/-0.033 χ²/NDF:14.5/15
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.051+/-0.033 χ²/NDF:18.1/13
Left: 0.029+/-0.023 χ²/NDF: 33.4/29
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.037+/-0.026 χ²/NDF:36.7/29
Out: -0.001+/-0.026 χ²/NDF:38.4/34
All: 0.018+/-0.018 χ²/NDF: 76.1/64



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 114.242+/-0.023 χ^2/NDF:483402.8/15

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 111.510+/-0.024 χ^2/NDF:288842.6/13

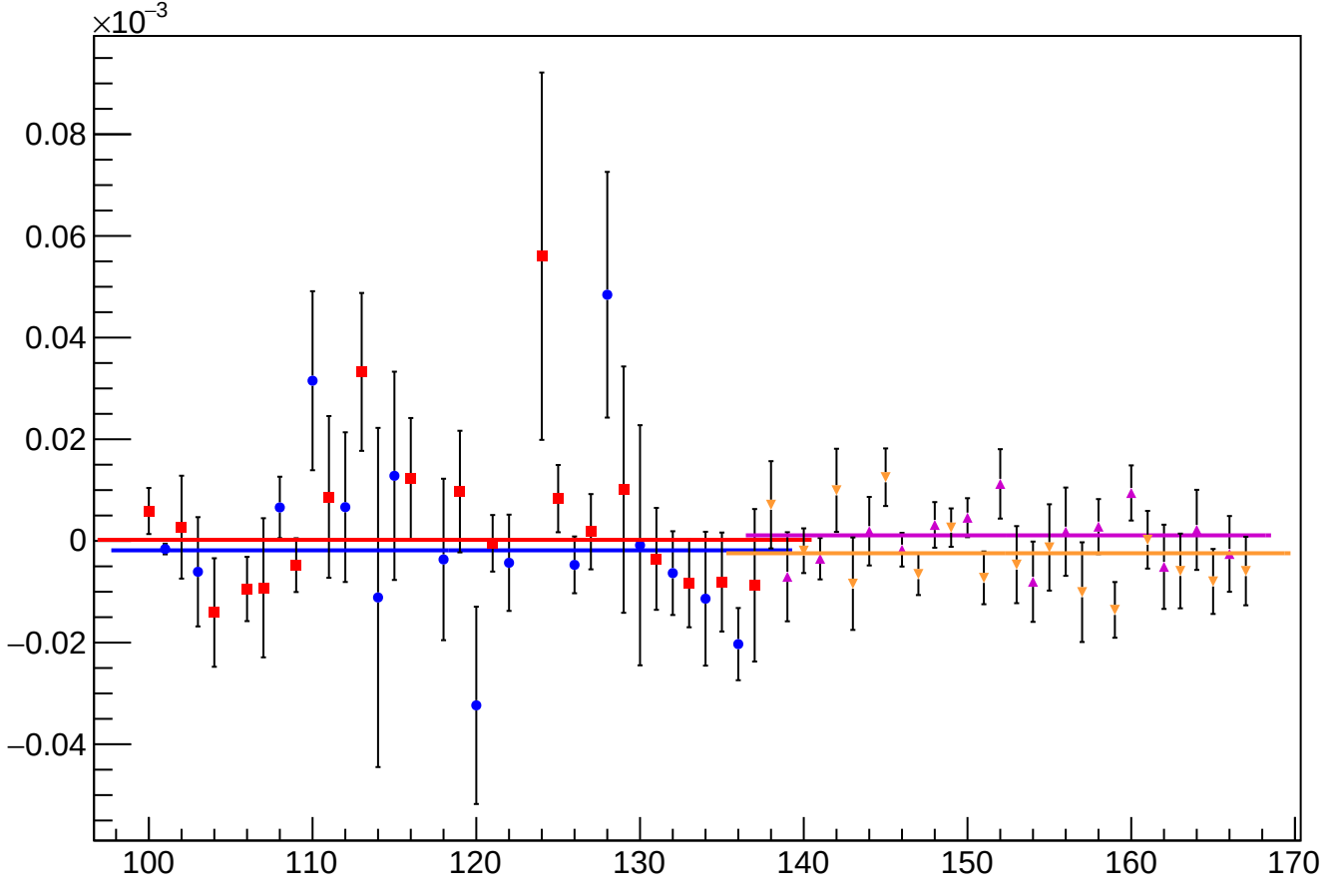
Left: 112.899+/-0.017 χ^2/NDF: 779021.9/29

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 111.203+/-0.019 χ^2/NDF:589250.6/29

Out: 112.651+/-0.018 χ^2/NDF:822163.4/34

All: 111.941+/-0.013 χ^2/NDF: 1414517.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/13

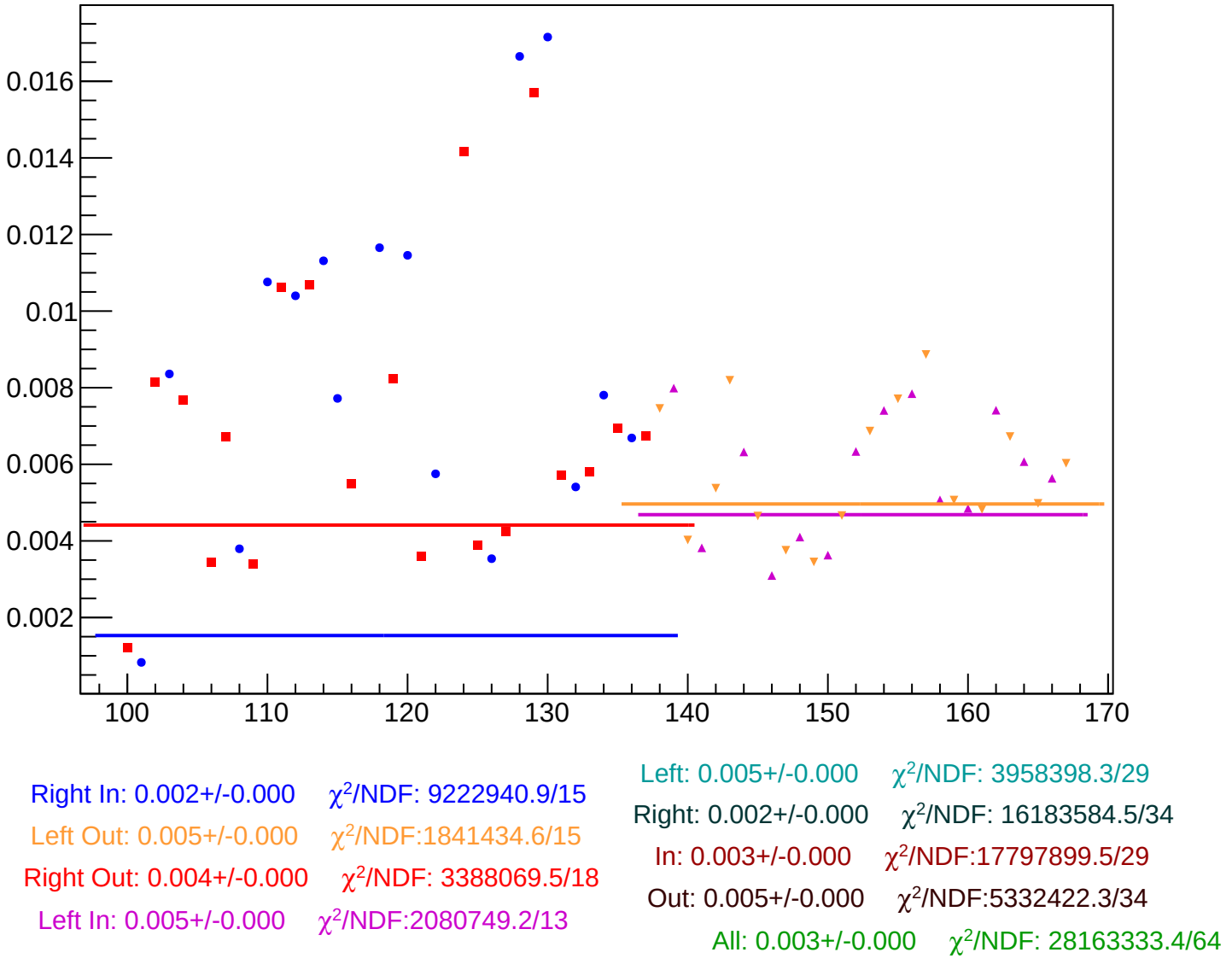
Left: -0.000+/-0.000 χ^2/NDF: 34.5/29

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:35.0/29

Out: -0.000+/-0.000 χ^2/NDF:42.0/34

All: -0.000+/-0.000 χ^2/NDF: 77.1/64


asym_usr_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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0.002
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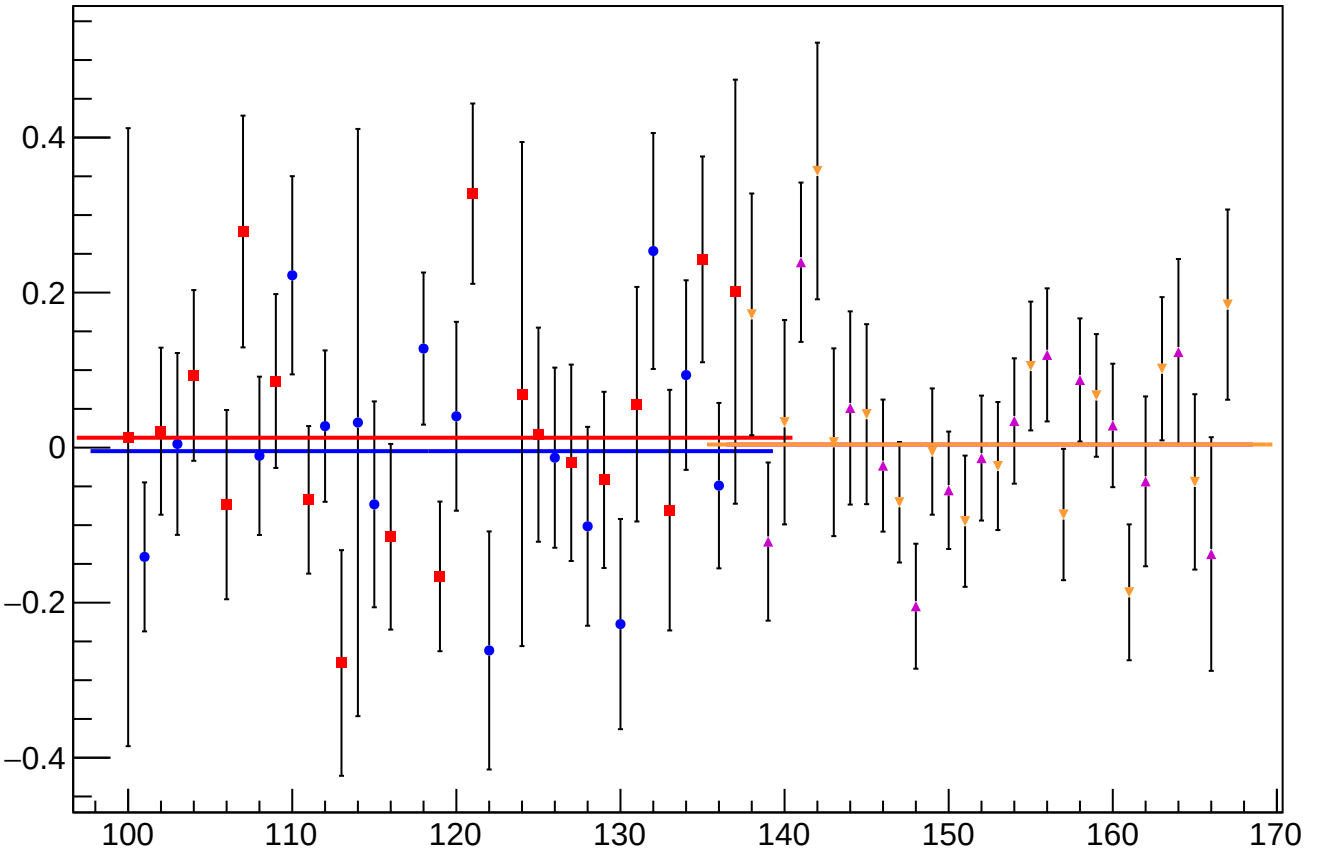
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 9222940.9/15
Left Out: 0.005+/-0.000 χ²/NDF:1841434.6/15
Right Out: 0.004+/-0.000 χ²/NDF: 3388069.5/18
Left In: 0.005+/-0.000 χ²/NDF:2080749.2/13
Left: 0.005+/-0.000 χ²/NDF: 3958398.3/29
Right: 0.002+/-0.000 χ²/NDF: 16183584.5/34
In: 0.003+/-0.000 χ²/NDF:17797899.5/29
Out: 0.005+/-0.000 χ²/NDF:5332422.3/34
All: 0.003+/-0.000 χ²/NDF: 28163333.4/64


asym_usr_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
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−0.2
−0.4
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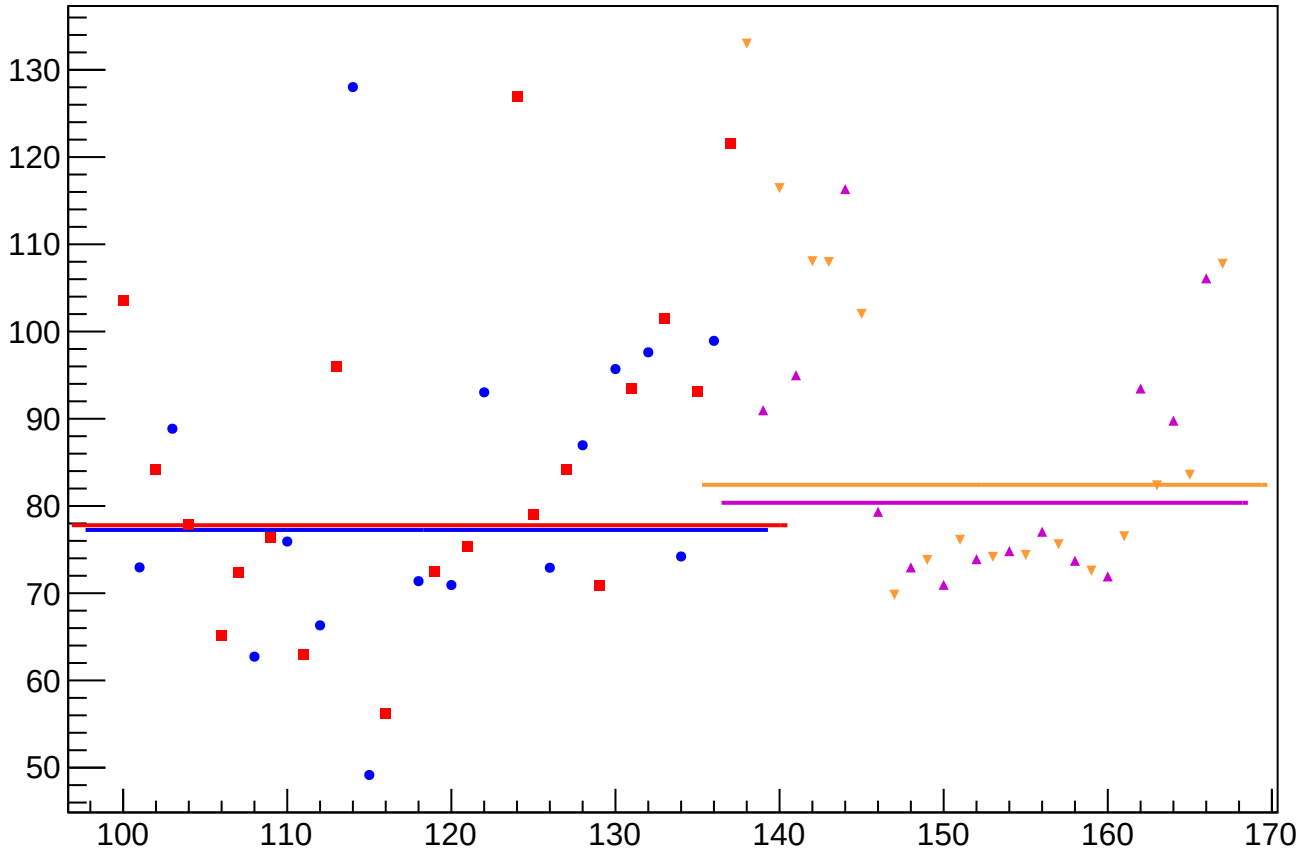
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.004+/-0.024 χ²/NDF:19.7/15
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.004+/-0.024 χ²/NDF:19.5/13
Left: 0.004+/-0.017 χ²/NDF: 39.3/29
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: 0.001+/-0.019 χ²/NDF:36.9/29
Out: 0.008+/-0.019 χ²/NDF:45.3/34
All: 0.004+/-0.013 χ²/NDF: 82.2/64



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.427+/-0.017 χ^2/NDF:800785.1/15

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.368+/-0.017 χ^2/NDF:437718.9/13

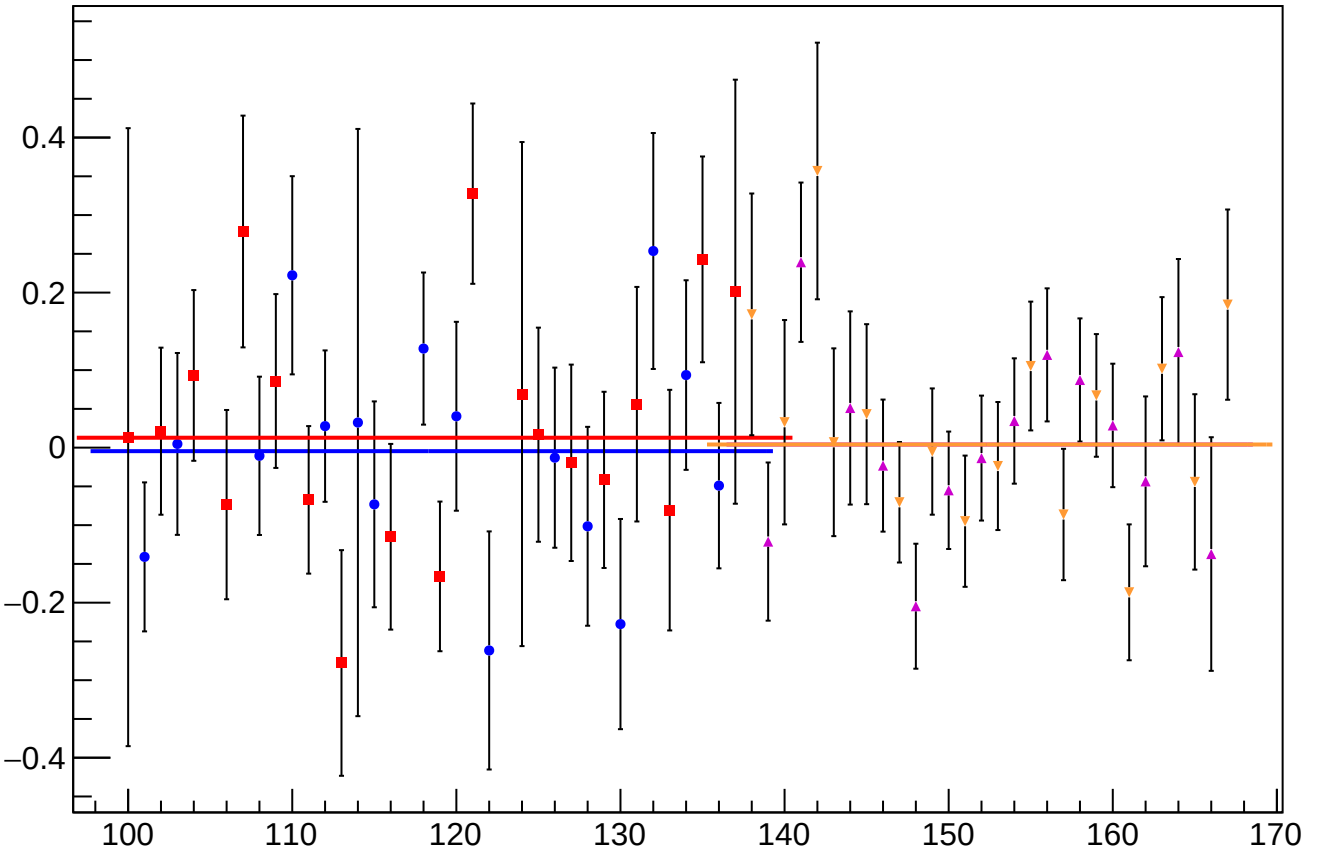
Left: 81.410+/-0.012 χ^2/NDF: 1245695.1/29

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.131+/-0.013 χ^2/NDF:869908.3/29

Out: 80.586+/-0.013 χ^2/NDF:1226534.8/34

All: 79.867+/-0.009 χ^2/NDF: 2102405.2/64



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.004+/-0.024 χ^2/NDF:19.5/13

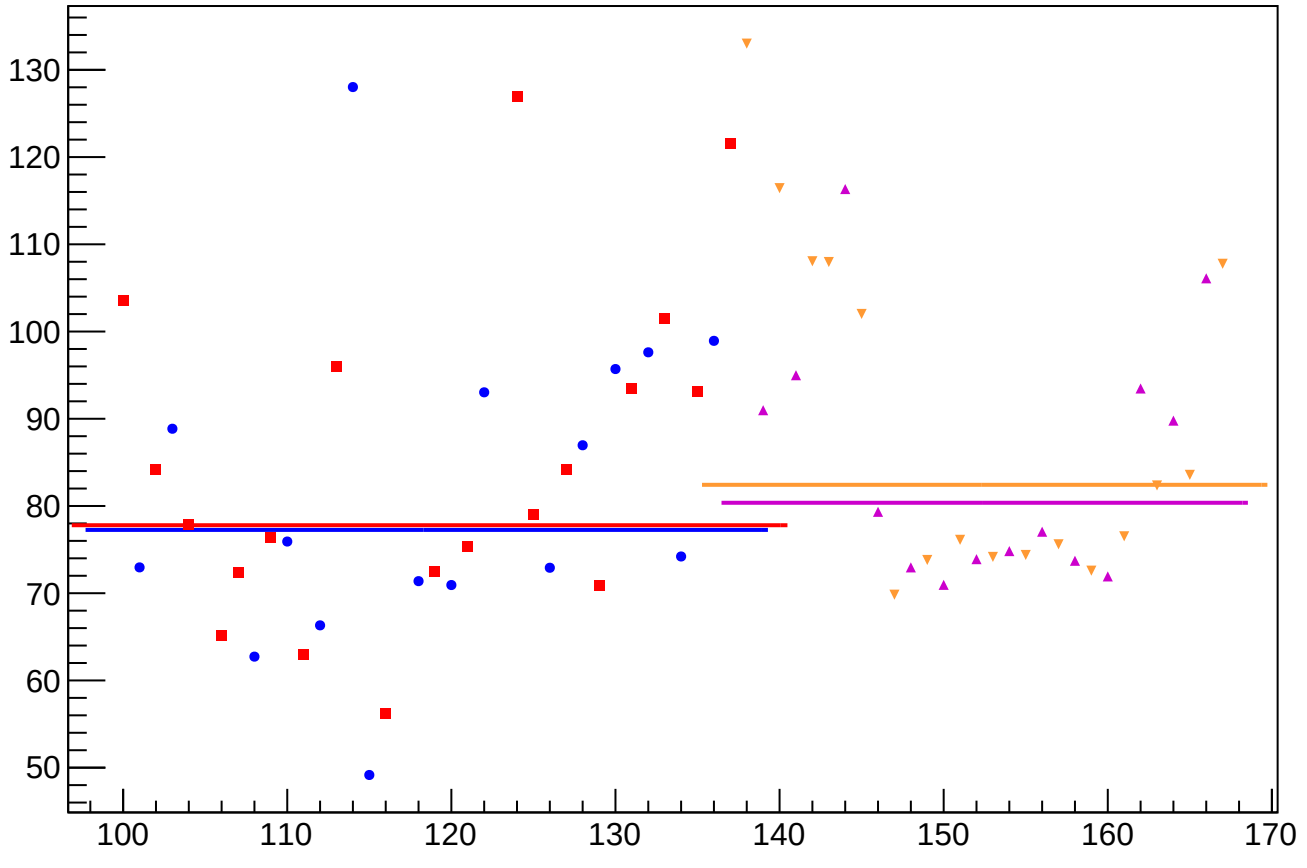
Left: 0.004+/-0.017 χ^2/NDF: 39.3/29

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.019 χ^2/NDF:36.9/29

Out: 0.008+/-0.019 χ^2/NDF:45.3/34

All: 0.004+/-0.013 χ^2/NDF: 82.2/64



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.427+/-0.017 χ^2/NDF:800785.1/15

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.368+/-0.017 χ^2/NDF:437718.9/13

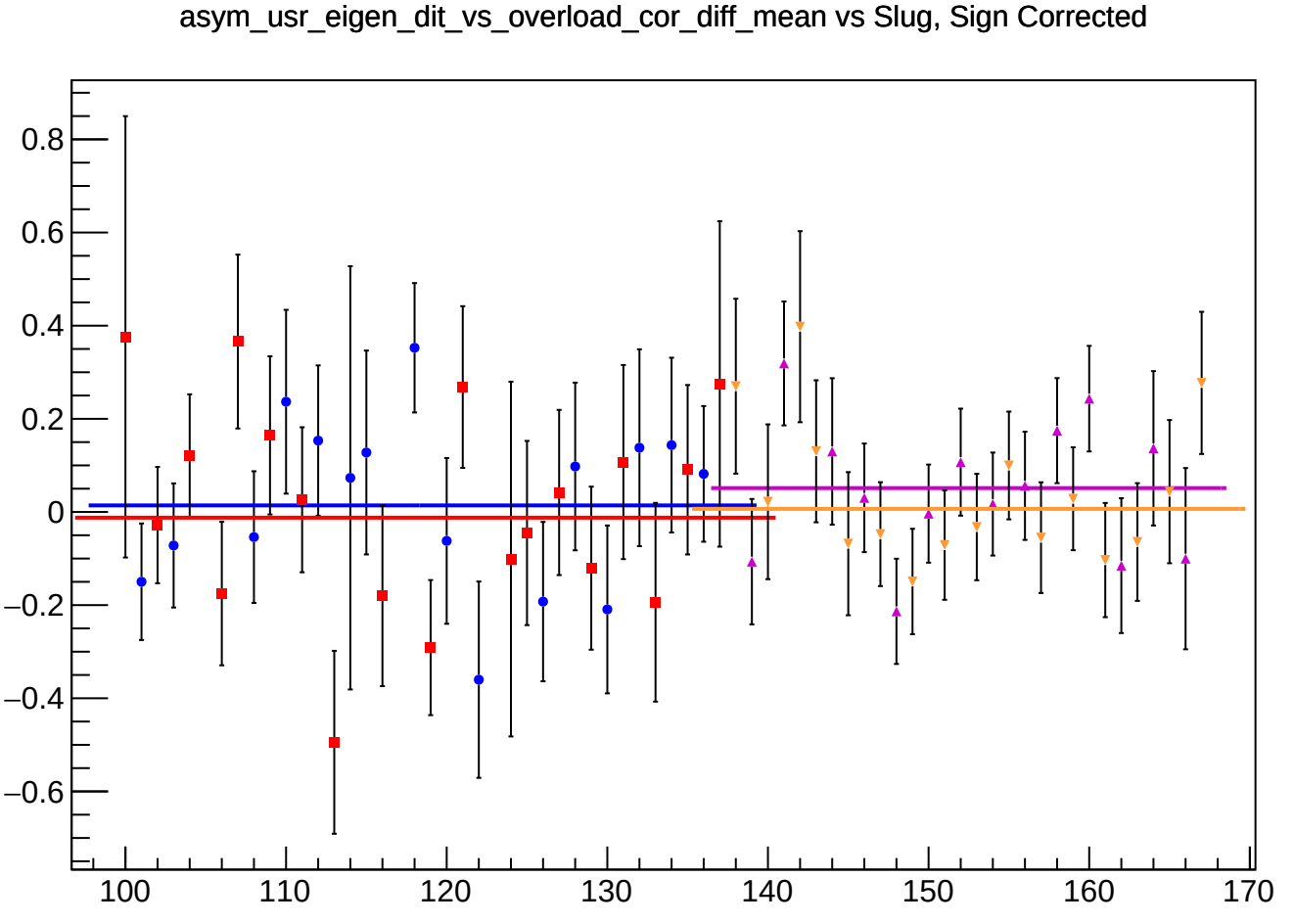
Left: 81.410+/-0.012 χ^2/NDF: 1245695.1/29

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.131+/-0.013 χ^2/NDF:869908.3/29

Out: 80.586+/-0.013 χ^2/NDF:1226534.8/34

All: 79.867+/-0.009 χ^2/NDF: 2102405.2/64


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
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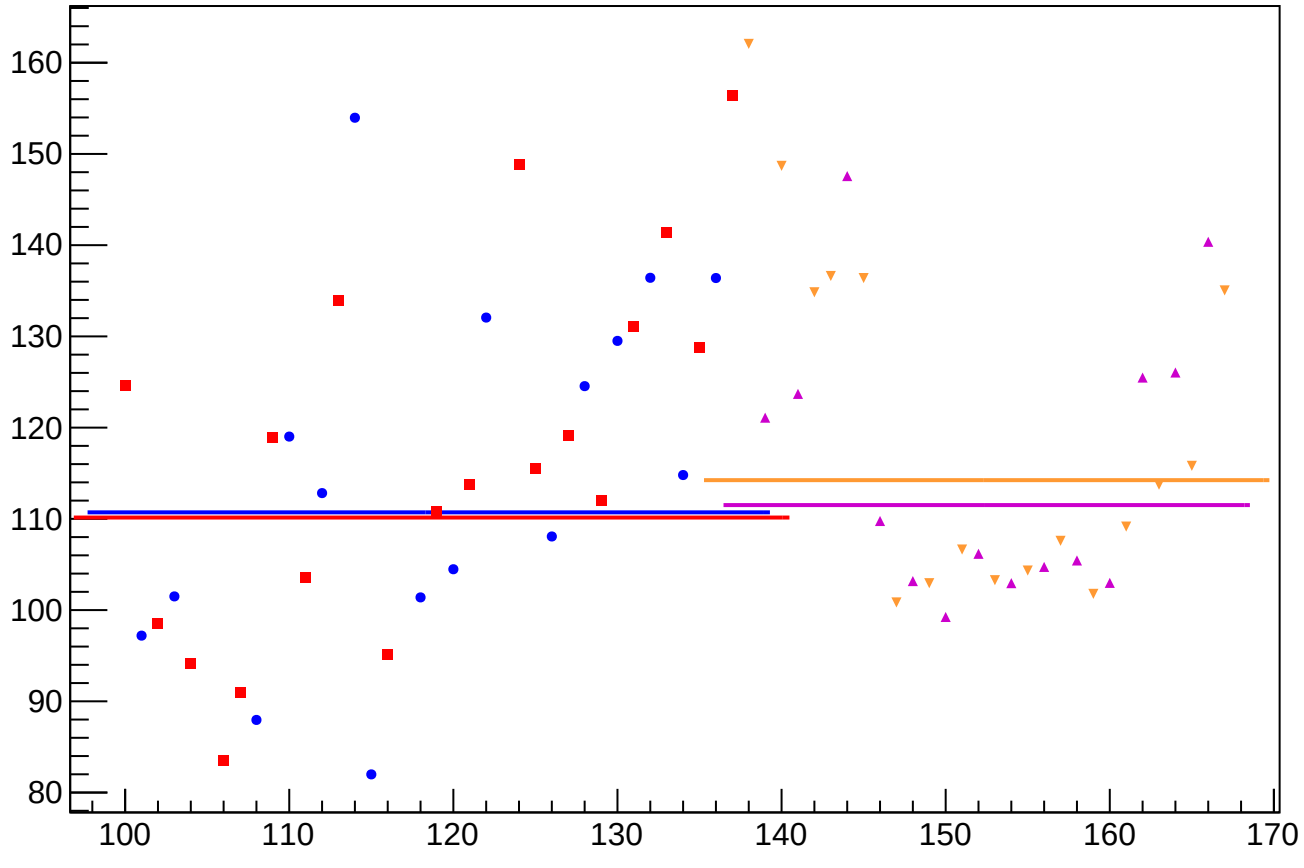
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.007+/-0.033 χ²/NDF:14.5/15
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.051+/-0.033 χ²/NDF:18.1/13
Left: 0.029+/-0.023 χ²/NDF: 33.4/29
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.037+/-0.026 χ²/NDF:36.7/29
Out: -0.001+/-0.026 χ²/NDF:38.4/34
All: 0.018+/-0.018 χ²/NDF: 76.1/64



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 114.242+/-0.023 χ^2/NDF:483404.0/15

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 111.510+/-0.024 χ^2/NDF:288847.3/13

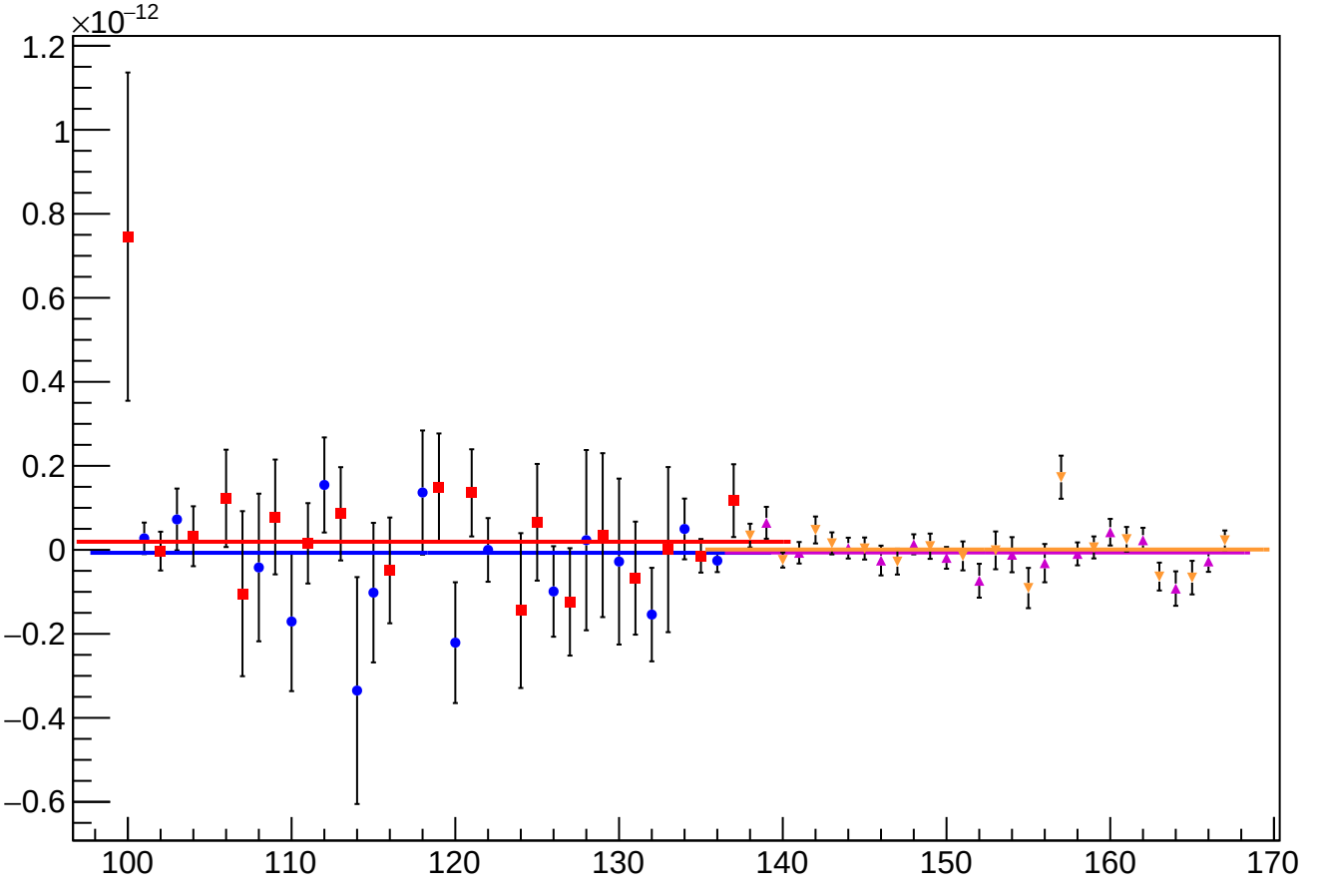
Left: 112.899+/-0.017 χ^2/NDF: 779028.5/29

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 111.203+/-0.019 χ^2/NDF:589232.0/29

Out: 112.651+/-0.018 χ^2/NDF:822141.9/34

All: 111.941+/-0.013 χ^2/NDF: 1414477.5/64



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/13

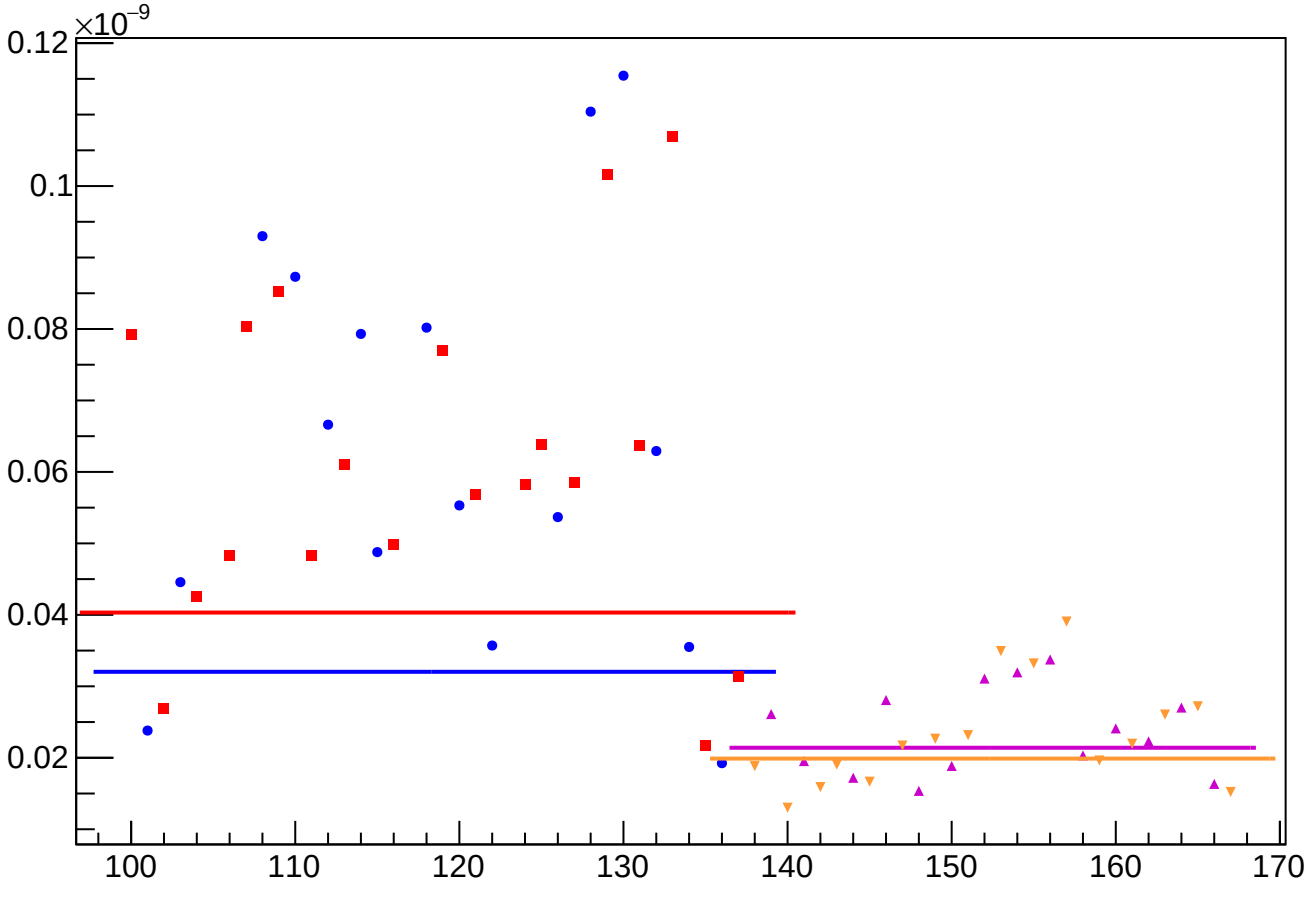
Left: -0.000+/-0.000 χ^2/NDF: 46.7/29

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:30.0/29

Out: 0.000+/-0.000 χ^2/NDF:43.2/34

All: -0.000+/-0.000 χ^2/NDF: 74.0/64



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1278115.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:846126.6/13

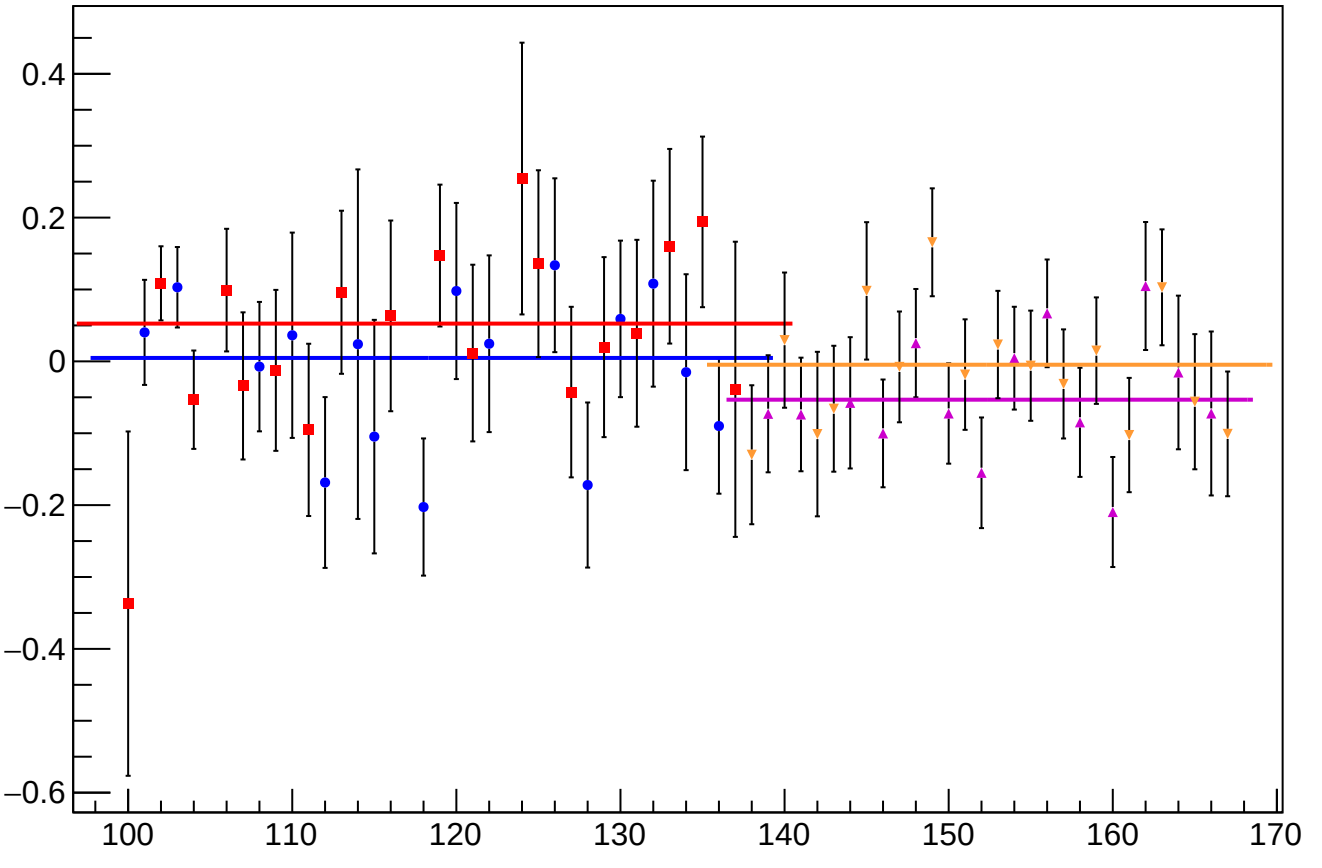
Left: 0.000+/-0.000 χ^2/NDF: 2162555.3/29

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:3889478.2/29

Out: 0.000+/-0.000 χ^2/NDF:4813828.0/34

All: 0.000+/-0.000 χ^2/NDF: 8727076.6/64



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.005+/-0.021 χ^2/NDF:14.5/15

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.053+/-0.021 χ^2/NDF:14.3/13

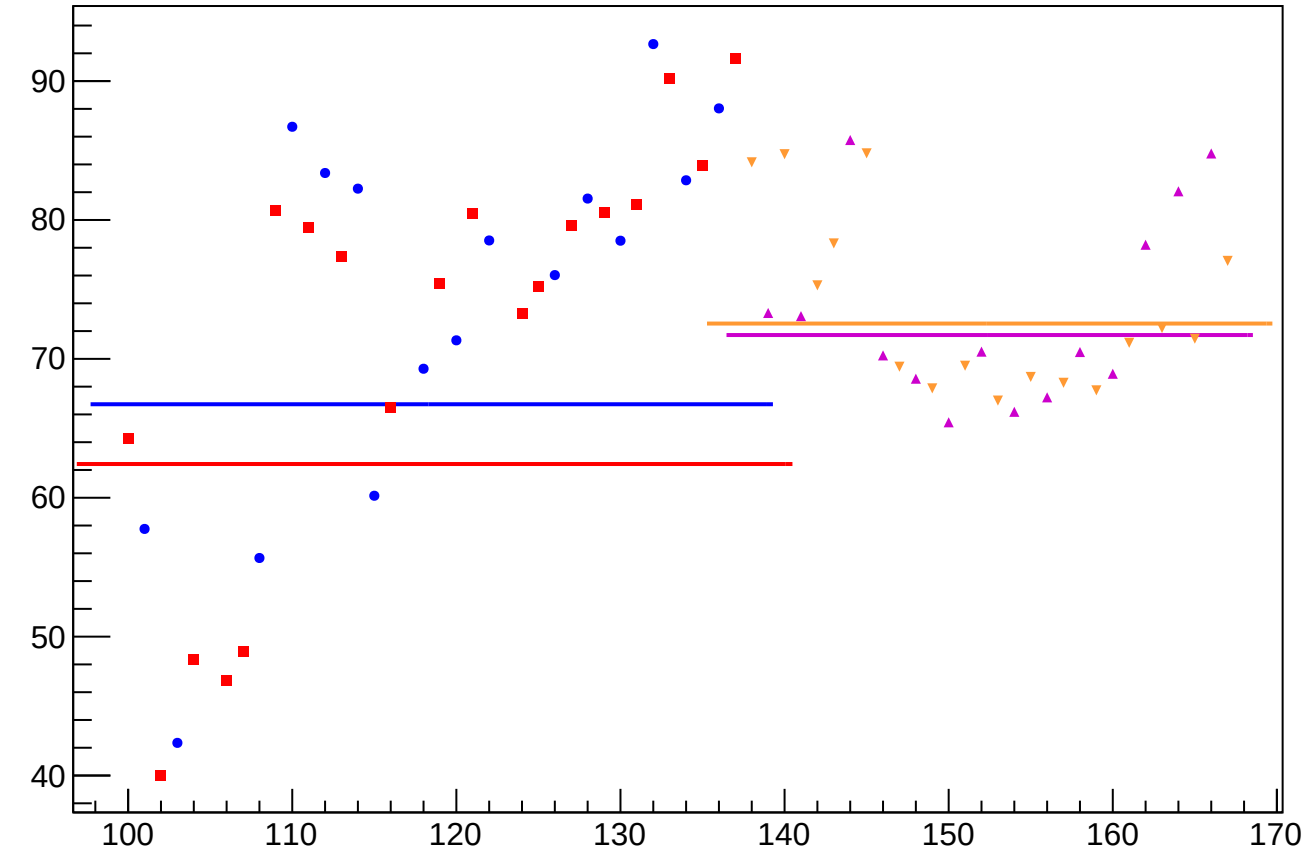
Left: -0.028+/-0.015 χ^2/NDF: 31.5/29

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.017 χ^2/NDF:33.9/29

Out: 0.020+/-0.016 χ^2/NDF:32.6/34

All: -0.004+/-0.011 χ^2/NDF: 71.1/64



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.543+/-0.015 χ^2/NDF:156392.8/15

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.716+/-0.015 χ^2/NDF:147537.5/13

Left: 72.143+/-0.011 χ^2/NDF: 305460.1/29

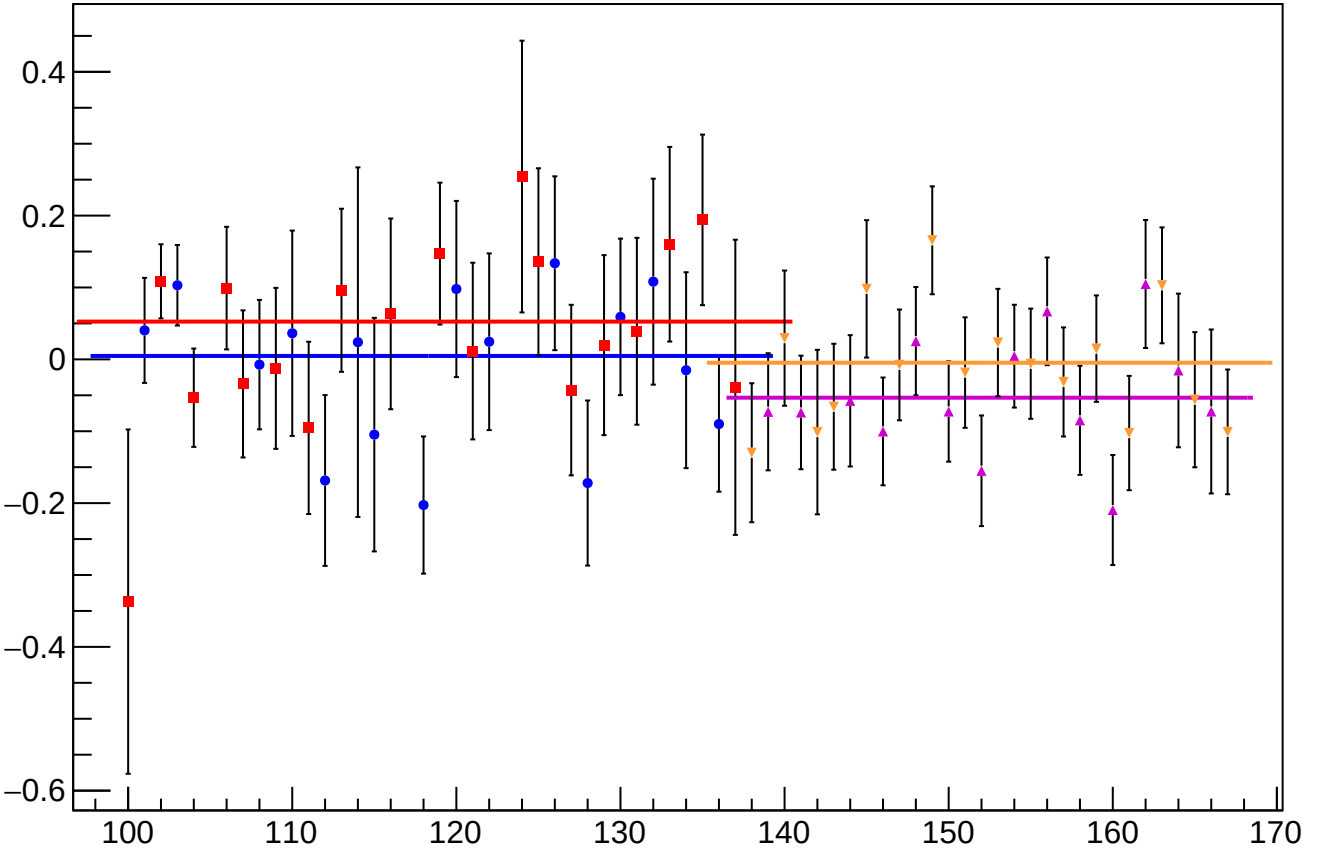
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.685+/-0.012 χ^2/NDF:1008165.5/29

Out: 68.226+/-0.011 χ^2/NDF:1472558.0/34

All: 68.919+/-0.008 χ^2/NDF: 2488892.1/64

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.005+/-0.021 χ^2/NDF:14.5/15

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.053+/-0.021 χ^2/NDF:14.3/13

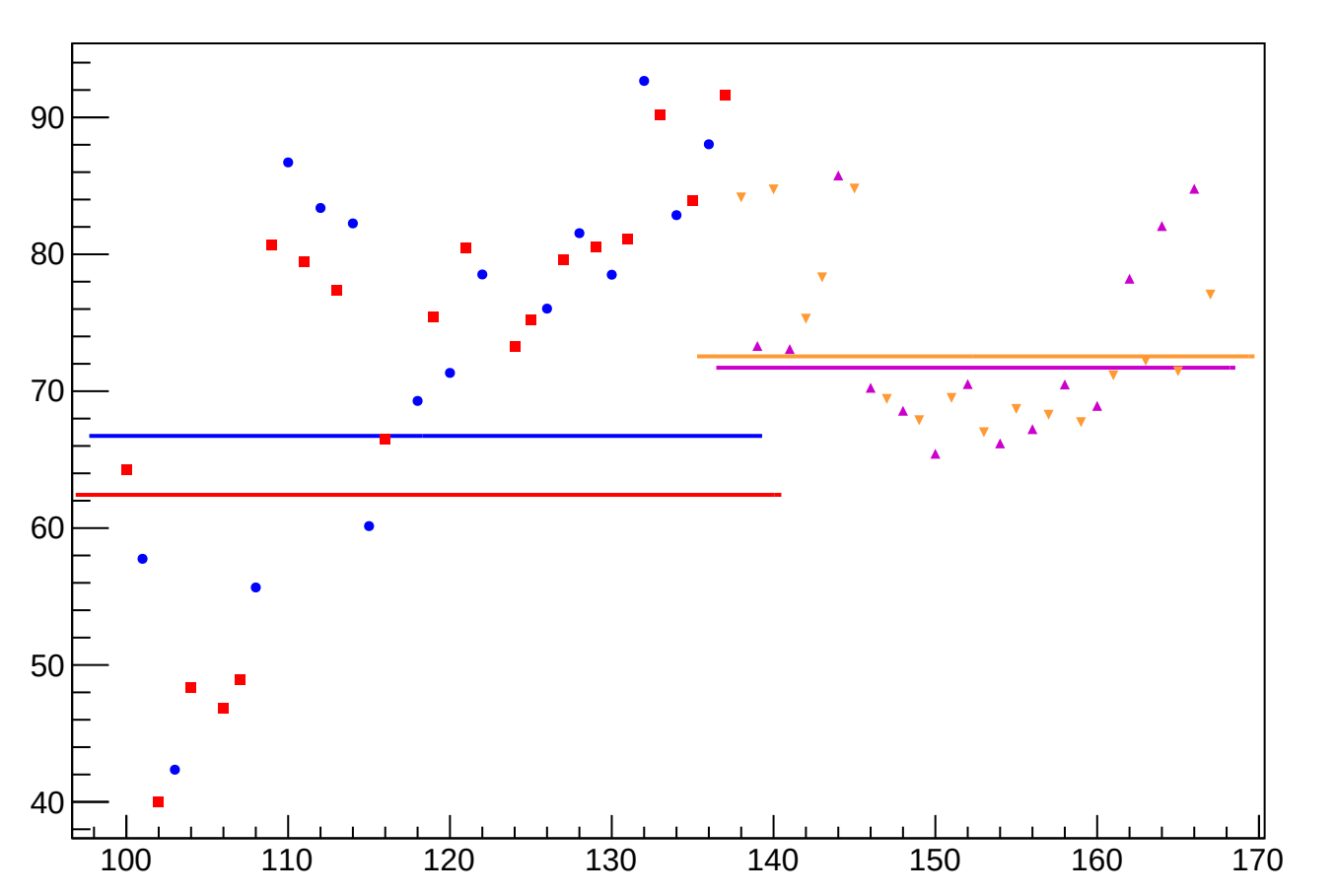
Left: -0.028+/-0.015 χ^2/NDF: 31.5/29

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.017 χ^2/NDF:33.9/29

Out: 0.020+/-0.016 χ^2/NDF:32.6/34

All: -0.004+/-0.011 χ^2/NDF: 71.1/64



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.543+/-0.015 χ^2/NDF:156392.8/15

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.716+/-0.015 χ^2/NDF:147537.5/13

Left: 72.143+/-0.011 χ^2/NDF: 305460.1/29

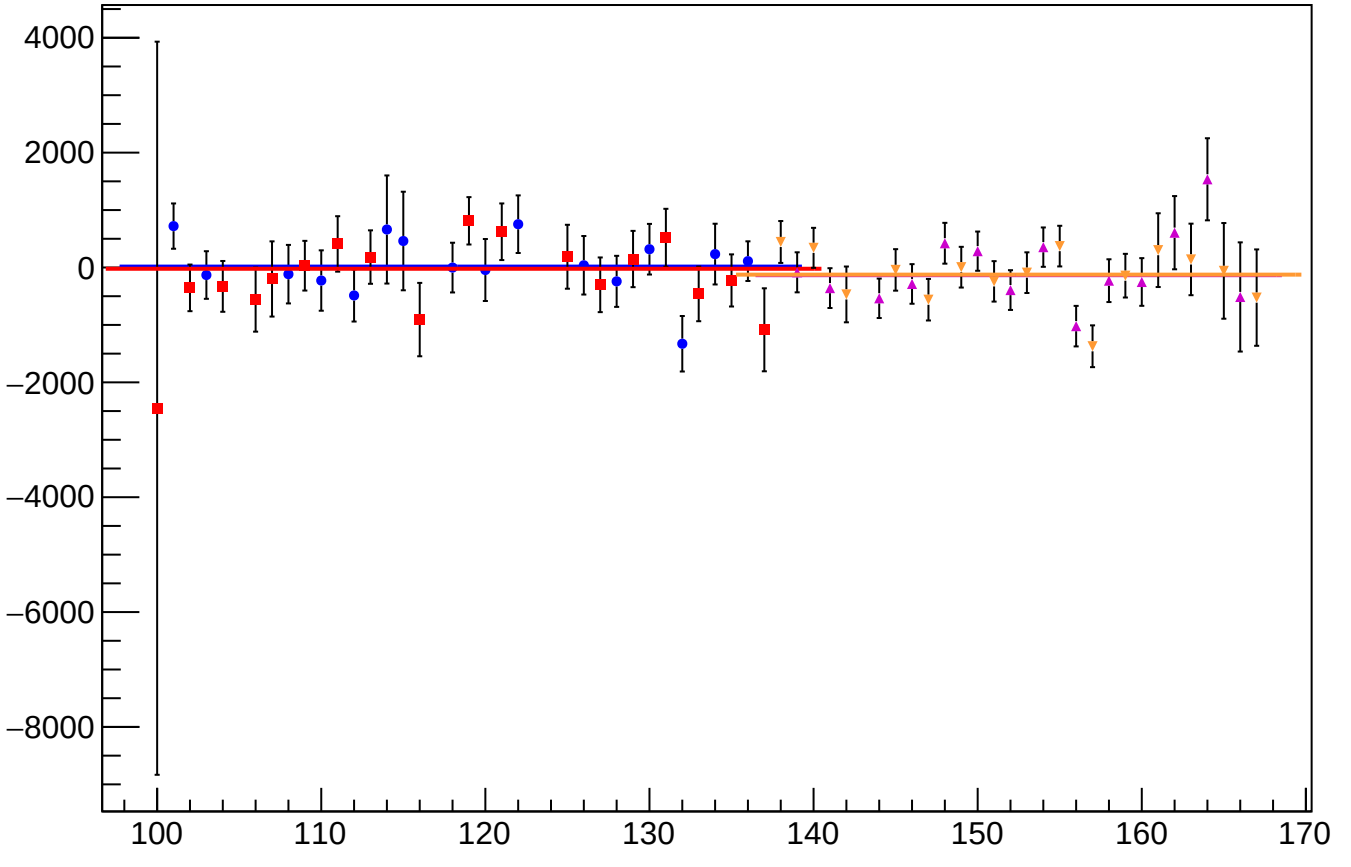
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.685+/-0.012 χ^2/NDF:1008165.5/29

Out: 68.226+/-0.011 χ^2/NDF:1472558.0/34

All: 68.919+/-0.008 χ^2/NDF: 2488892.1/64

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -124.491+/-105.632 χ^2/NDF:21.1/14

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -133.943+/-103.488 χ^2/NDF:22.0/13

Left: -129.314+/-73.923 χ^2/NDF: 43.1/28

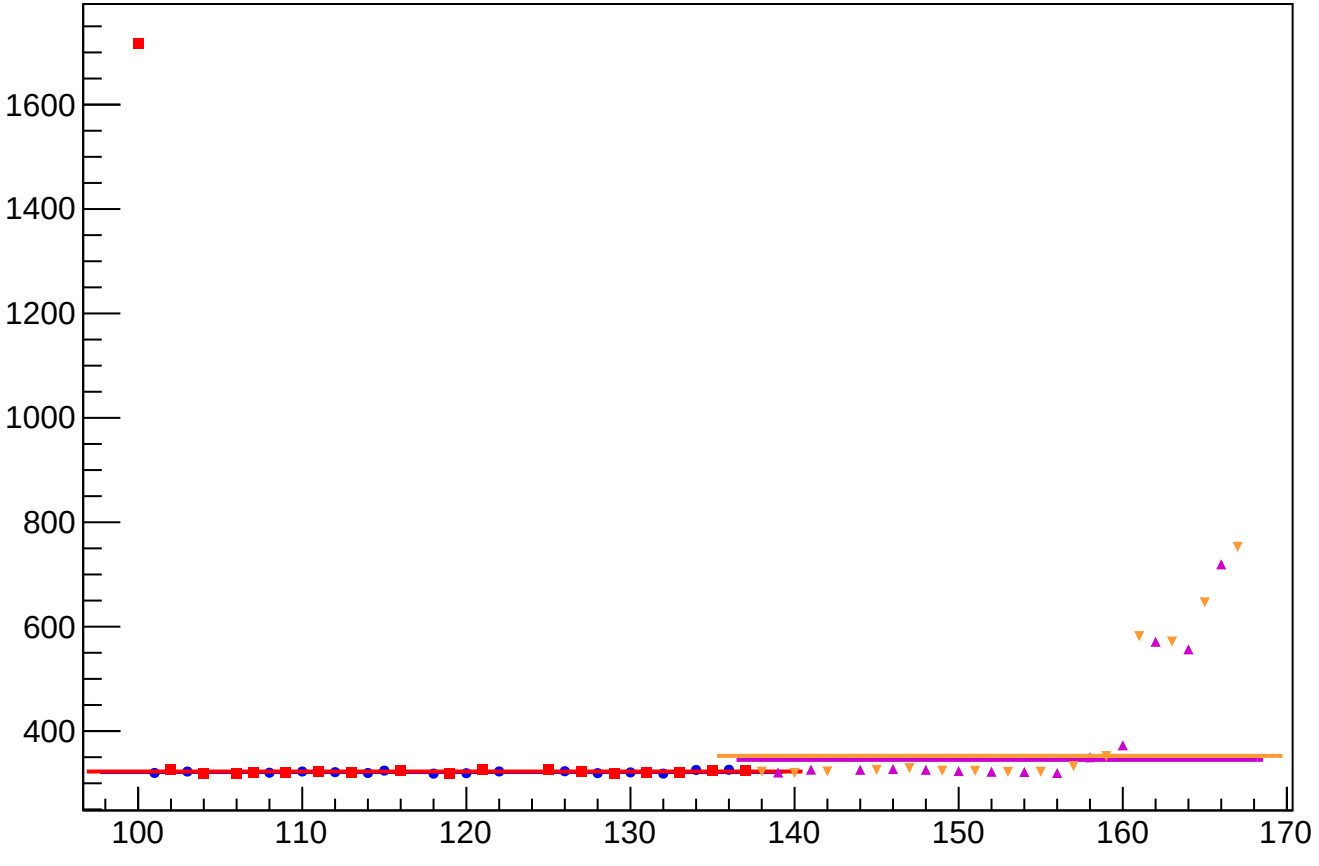
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -69.848+/-78.211 χ^2/NDF:39.4/29

Out: -79.477+/-79.060 χ^2/NDF:37.5/32

All: -74.610+/-55.601 χ^2/NDF: 76.9/62

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 352.558+/-0.075 χ^2/NDF:1326760.3/14

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 344.875+/-0.073 χ^2/NDF:815419.2/13

Left: 348.637+/-0.052 χ^2/NDF: 2147578.0/28

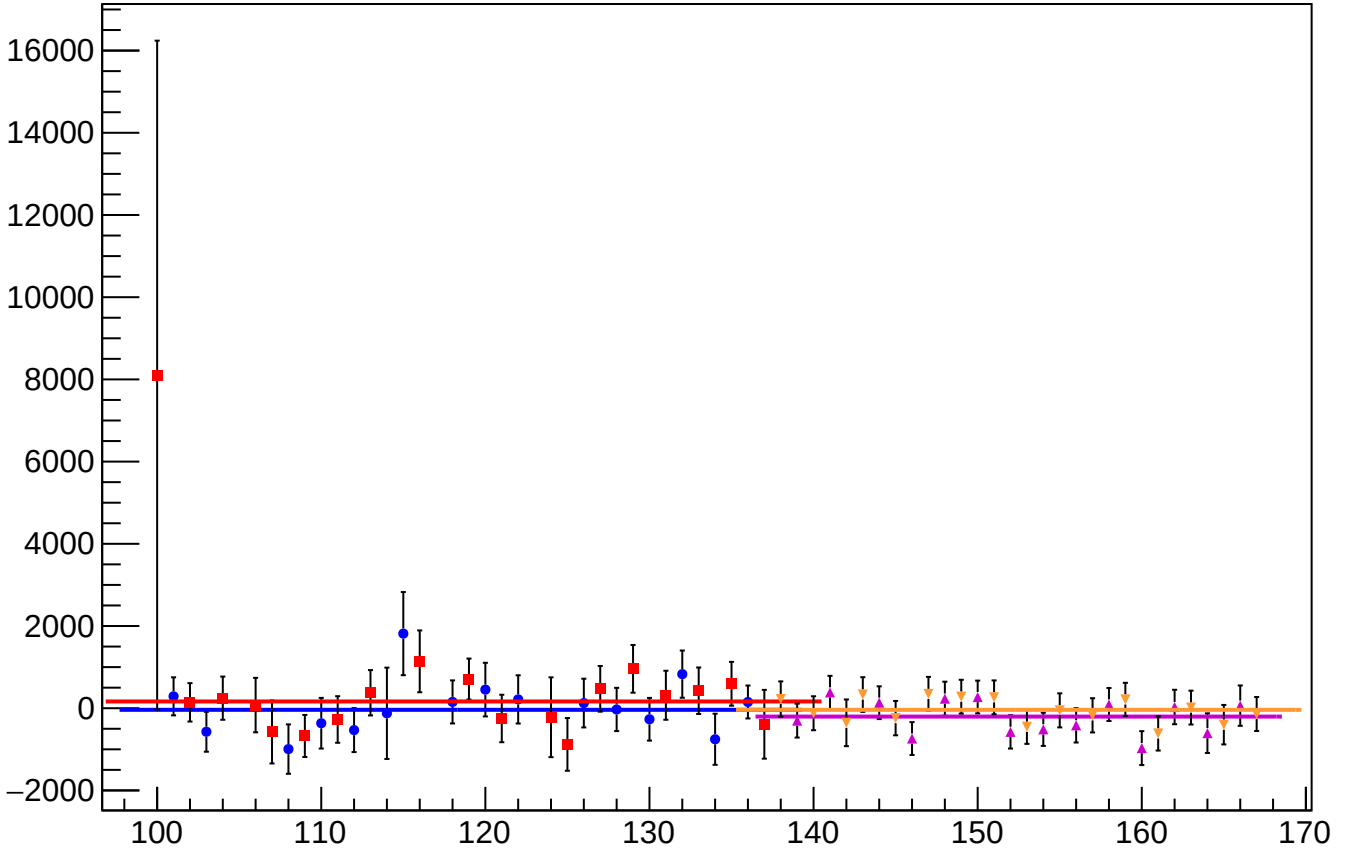
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 334.895+/-0.055 χ^2/NDF:859610.4/29

Out: 339.361+/-0.056 χ^2/NDF:1494626.5/32

All: 337.104+/-0.039 χ^2/NDF: 2357461.7/62

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -39.441+/-106.118 χ^2/NDF:7.8/15

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -203.165+/-111.179 χ^2/NDF:14.2/13

Left: -117.492+/-76.764 χ^2/NDF: 23.2/29

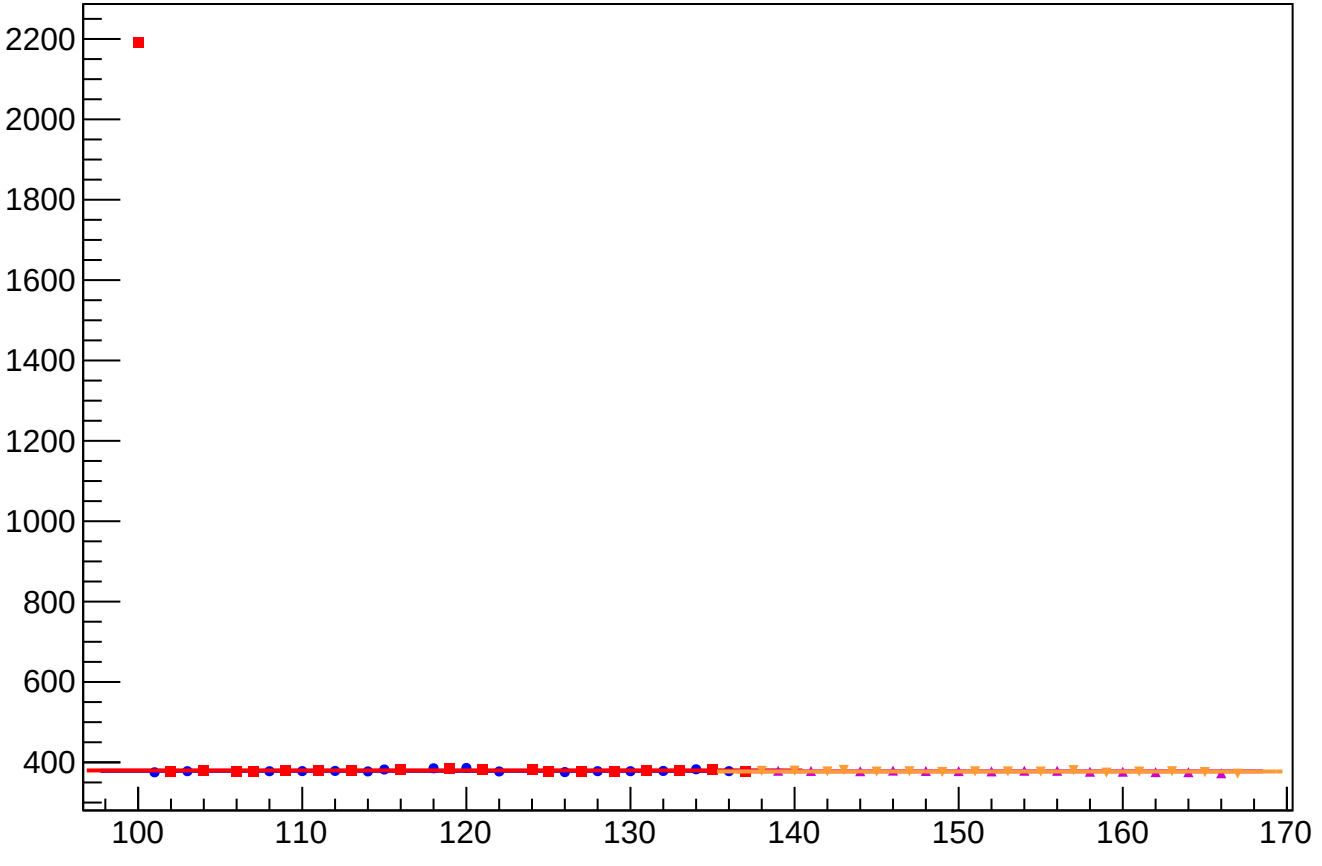
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -140.040+/-87.237 χ^2/NDF:28.8/29

Out: 35.732+/-84.339 χ^2/NDF:24.3/34

All: -49.186+/-60.635 χ^2/NDF: 55.2/64

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.260+/-0.075 χ^2/NDF:856.4/15

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.790+/-0.079 χ^2/NDF:446.8/13

Left: 377.513+/-0.054 χ^2/NDF: 1327.0/29

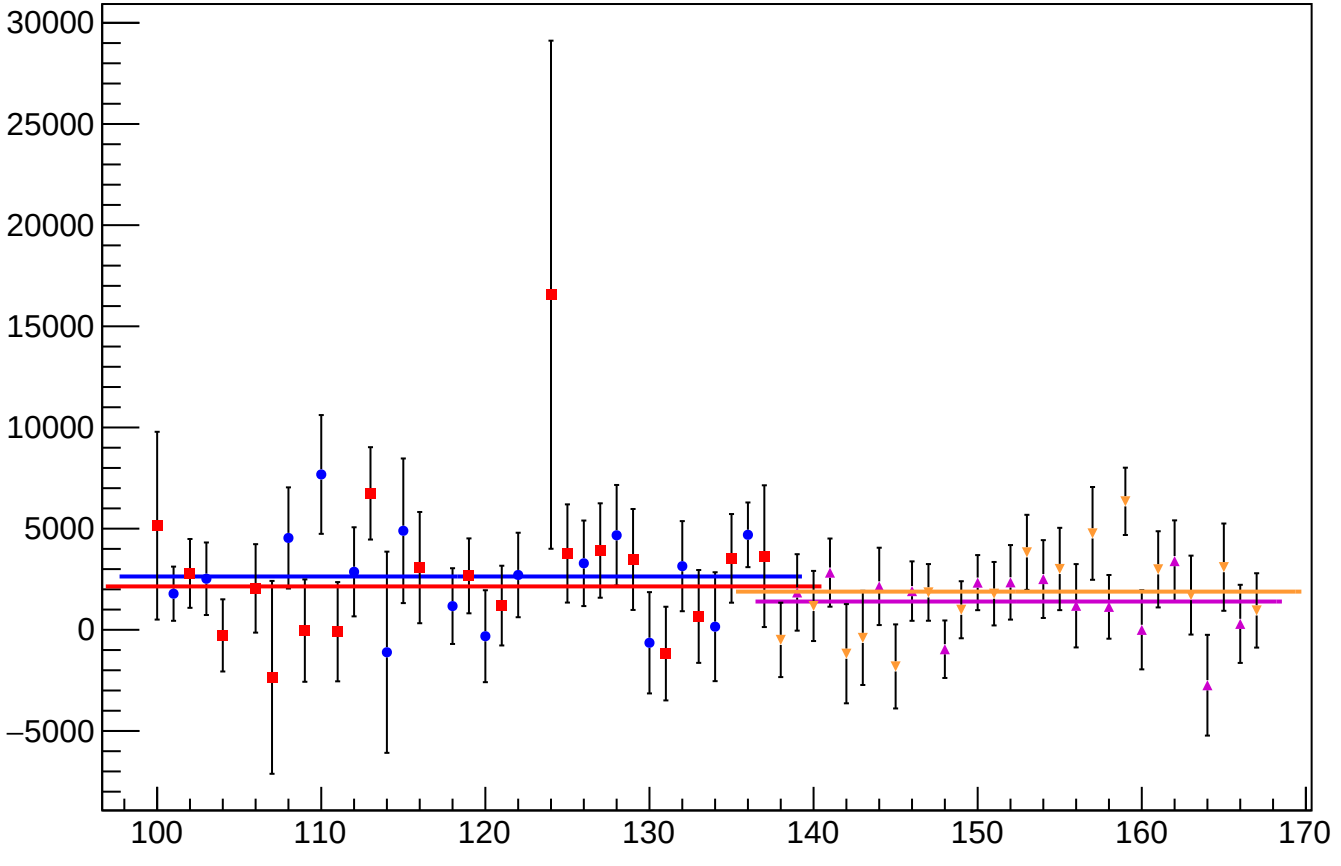
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.220+/-0.062 χ^2/NDF:1376.1/29

Out: 378.224+/-0.060 χ^2/NDF:100926.2/34

All: 378.222+/-0.043 χ^2/NDF: 102302.3/64

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1887.686+/-457.848 χ^2/NDF:19.0/15

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1397.277+/-469.002 χ^2/NDF:9.5/13

Left: 1648.383+/-327.620 χ^2/NDF: 29.1/29

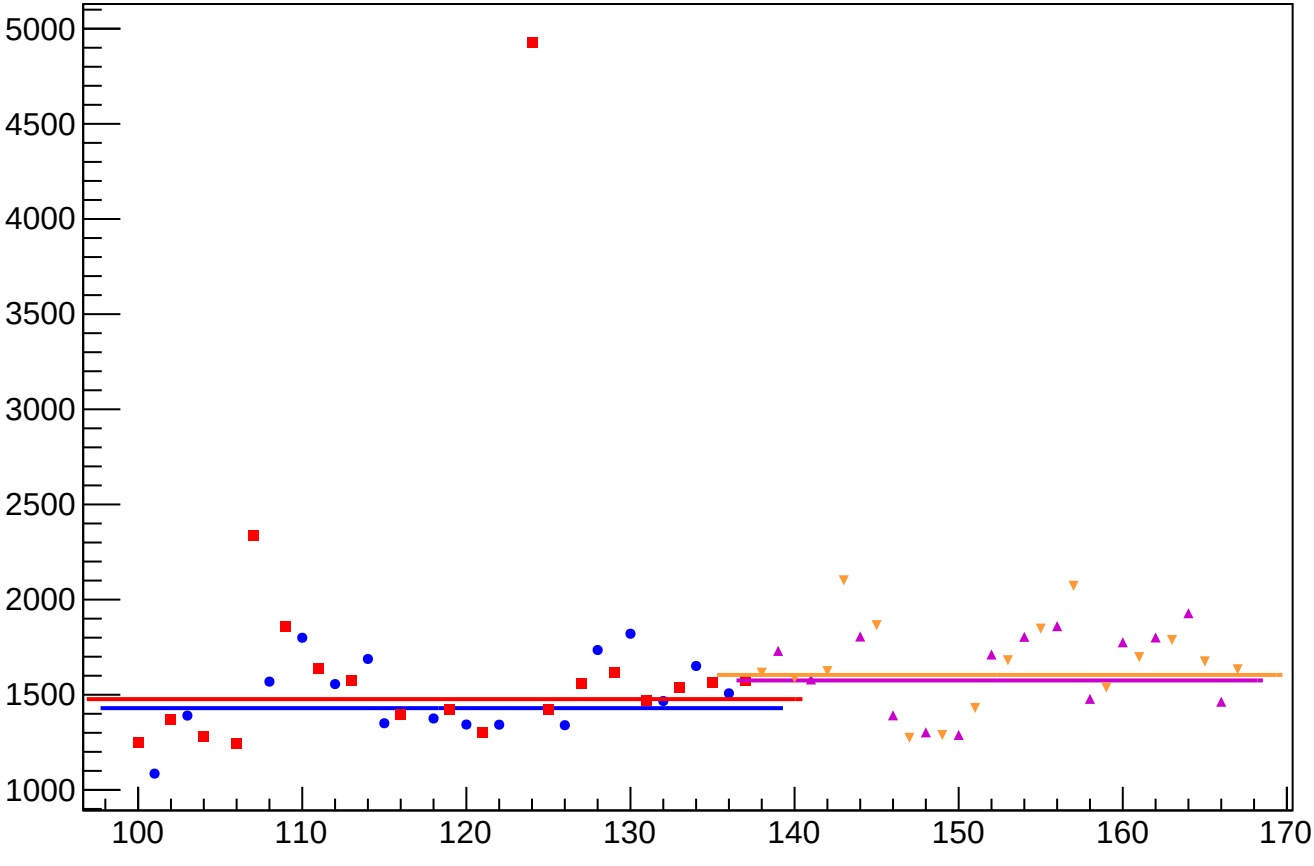
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 1931.861+/-353.538 χ^2/NDF:24.8/29

Out: 1993.523+/-351.082 χ^2/NDF:34.2/34

All: 1962.907+/-249.116 χ^2/NDF: 59.0/64

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1604.254+/-0.324 χ^2/NDF:503477.7/15

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1575.207+/-0.332 χ^2/NDF:414411.2/13

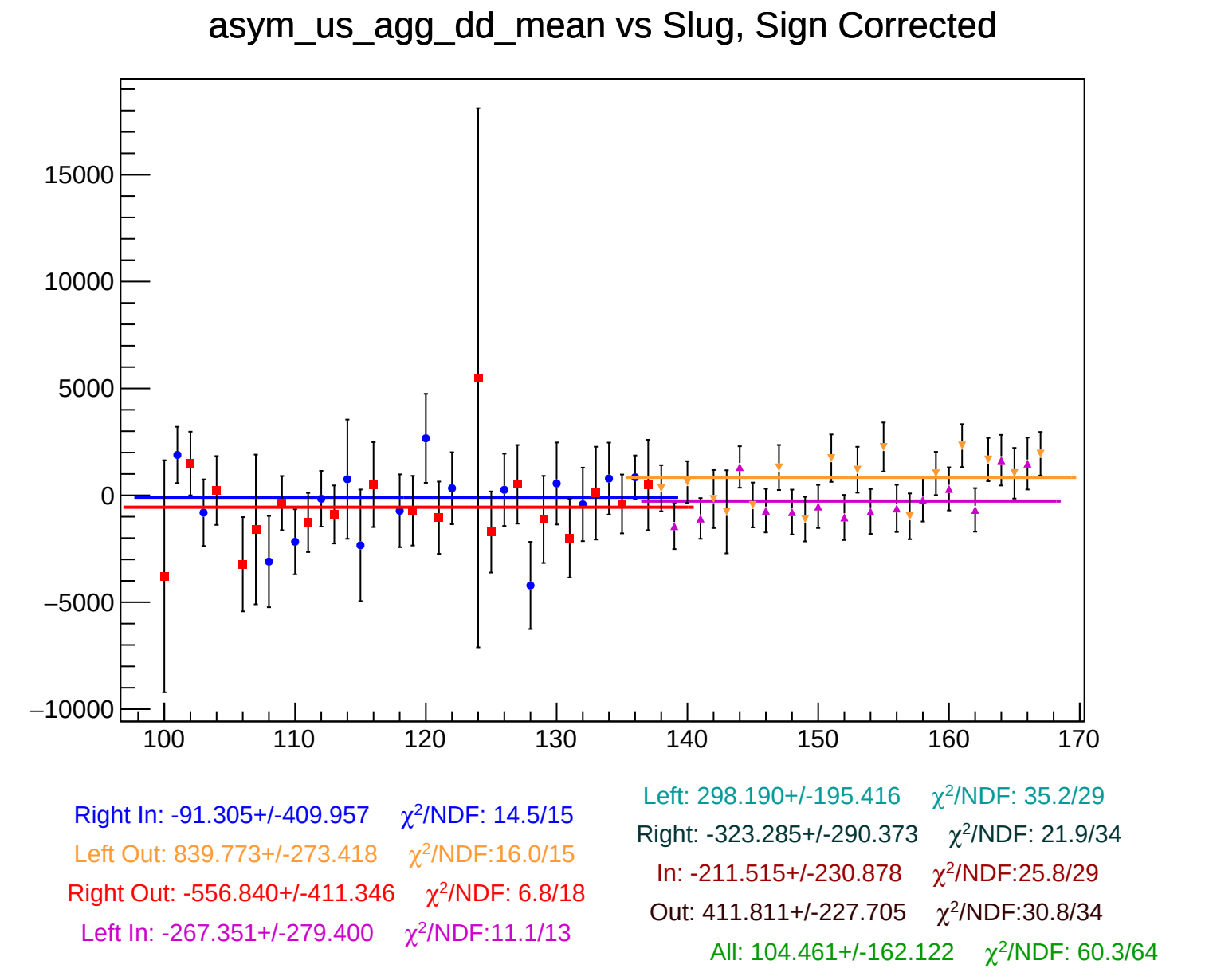
Left: 1590.080+/-0.232 χ^2/NDF: 921817.1/29

Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

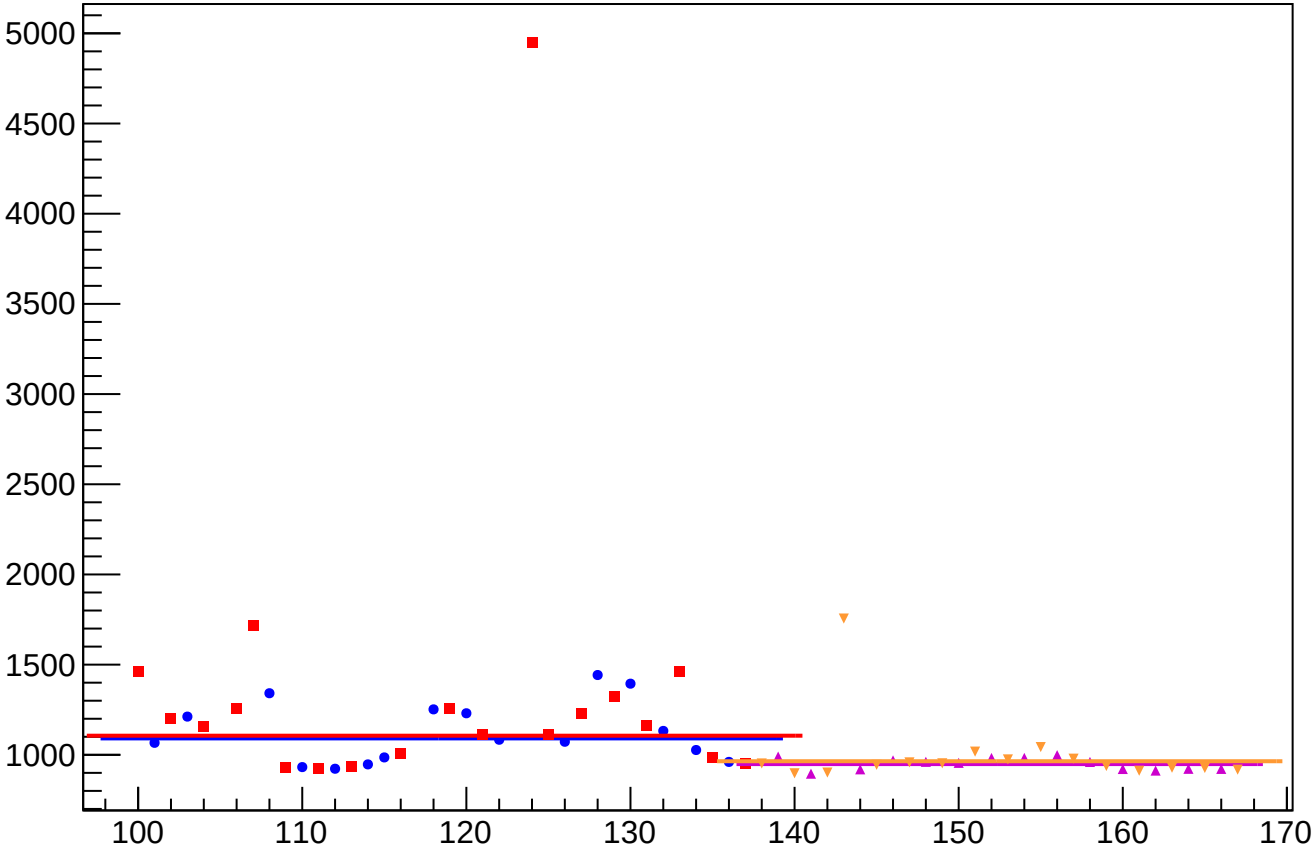
In: 1512.361+/-0.250 χ^2/NDF:790971.5/29

Out: 1551.877+/-0.248 χ^2/NDF:936437.6/34

All: 1532.257+/-0.176 χ^2/NDF: 1739989.1/64


asym_us_agg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -91.305+/-409.957 χ²/NDF: 14.5/15
Left Out: 839.773+/-273.418 χ²/NDF:16.0/15
Right Out: -556.840+/-411.346 χ²/NDF: 6.8/18
Left In: -267.351+/-279.400 χ²/NDF:11.1/13
Left: 298.190+/-195.416 χ²/NDF: 35.2/29
Right: -323.285+/-290.373 χ²/NDF: 21.9/34
In: -211.515+/-230.878 χ²/NDF:25.8/29
Out: 411.811+/-227.705 χ²/NDF:30.8/34
All: 104.461+/-162.122 χ²/NDF: 60.3/64

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 964.480+/-0.193 χ^2/NDF:376444.3/15

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 948.702+/-0.198 χ^2/NDF:26646.0/13

Left: 956.762+/-0.138 χ^2/NDF: 406348.3/29

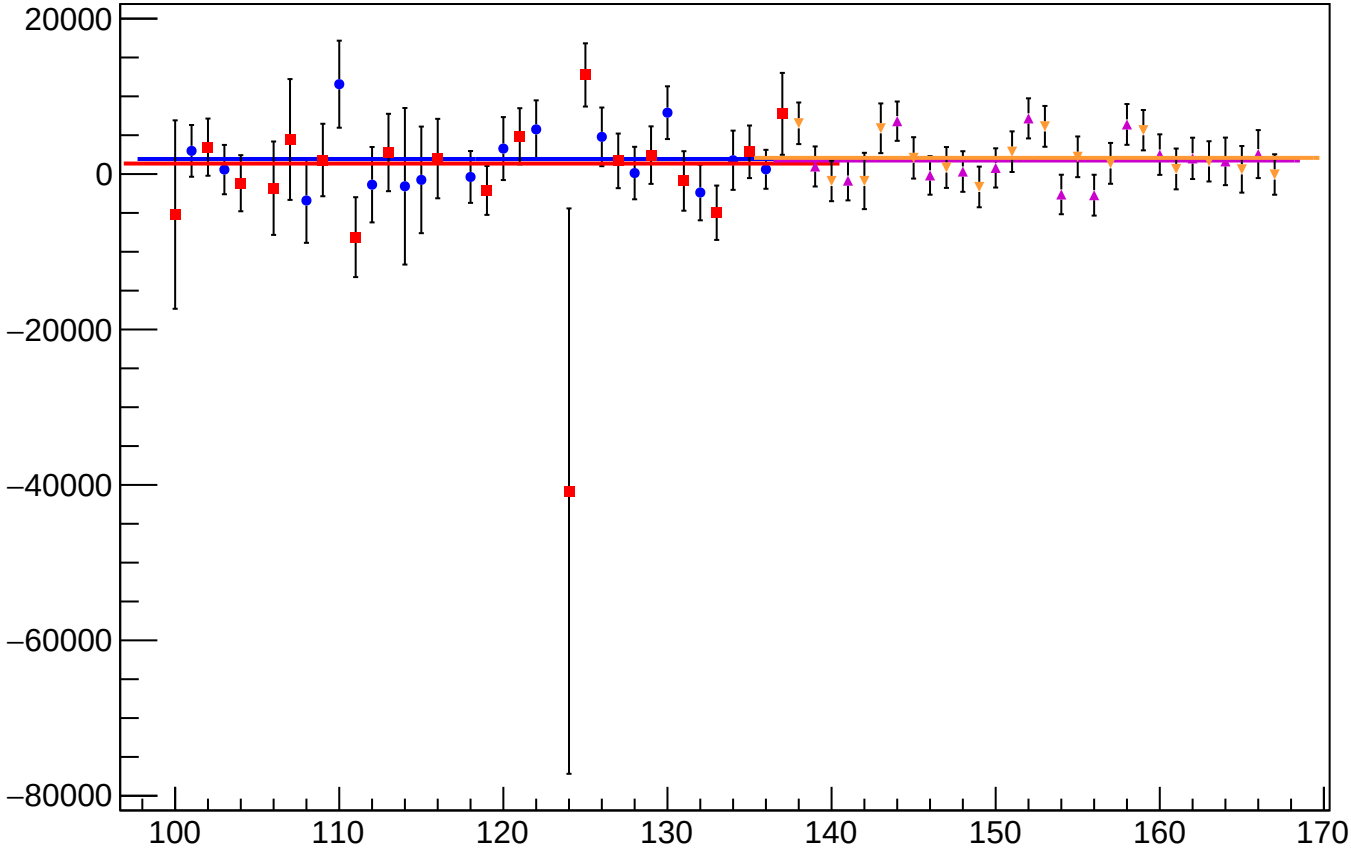
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 993.848+/-0.163 χ^2/NDF:468582.5/29

Out: 1007.860+/-0.161 χ^2/NDF:1054836.8/34

All: 1000.951+/-0.115 χ^2/NDF: 1527153.8/64

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2082.903+/-677.812 χ^2/NDF:14.1/15

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1743.833+/-703.084 χ^2/NDF:19.7/13

Left: 1919.571+/-487.975 χ^2/NDF: 33.9/29

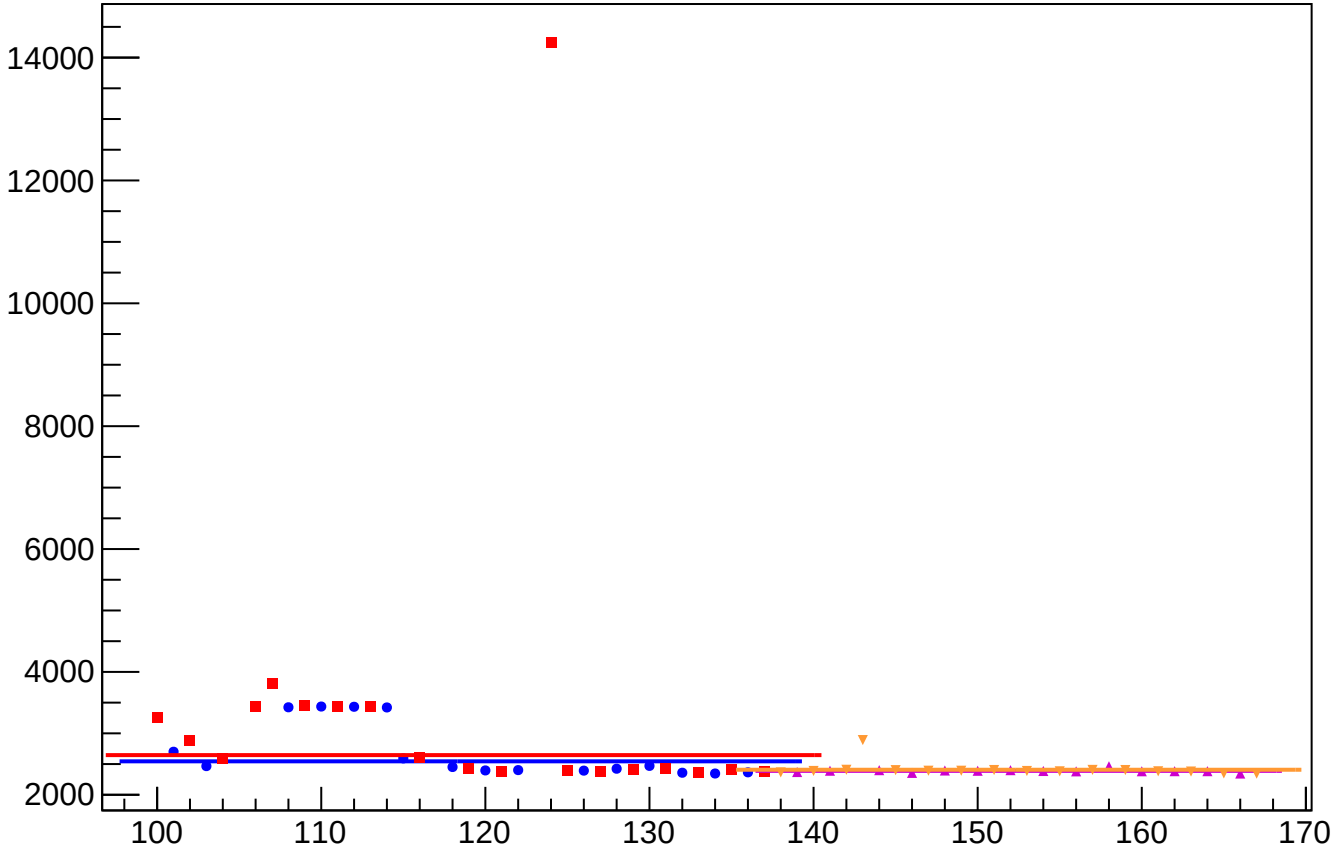
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1812.895+/-565.677 χ^2/NDF:32.0/29

Out: 1848.520+/-558.402 χ^2/NDF:36.3/34

All: 1830.938+/-397.397 χ^2/NDF: 68.3/64

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF:49150.2/15

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2389.114+/-0.497 χ^2/NDF:2614.2/13

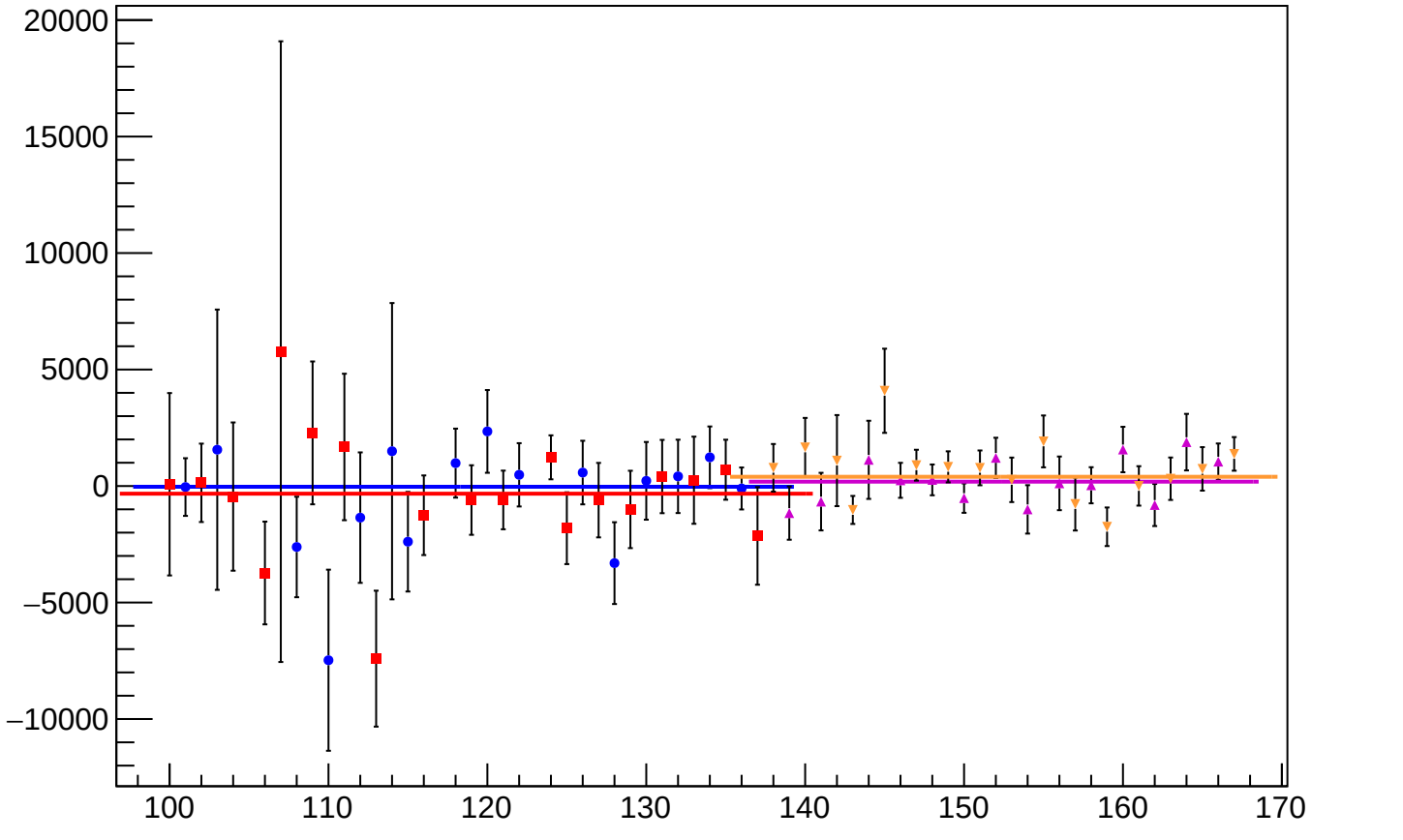
Left: 2398.608+/-0.345 χ^2/NDF: 52468.1/29

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2443.885+/-0.400 χ^2/NDF:262642.8/29

Out: 2483.971+/-0.395 χ^2/NDF:665487.1/34

All: 2464.187+/-0.281 χ^2/NDF: 933216.7/64



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 397.085+/-217.955 χ^2/NDF:24.1/15

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 187.575+/-238.095 χ^2/NDF:12.6/13

Left: 301.564+/-160.767 χ^2/NDF: 37.2/29

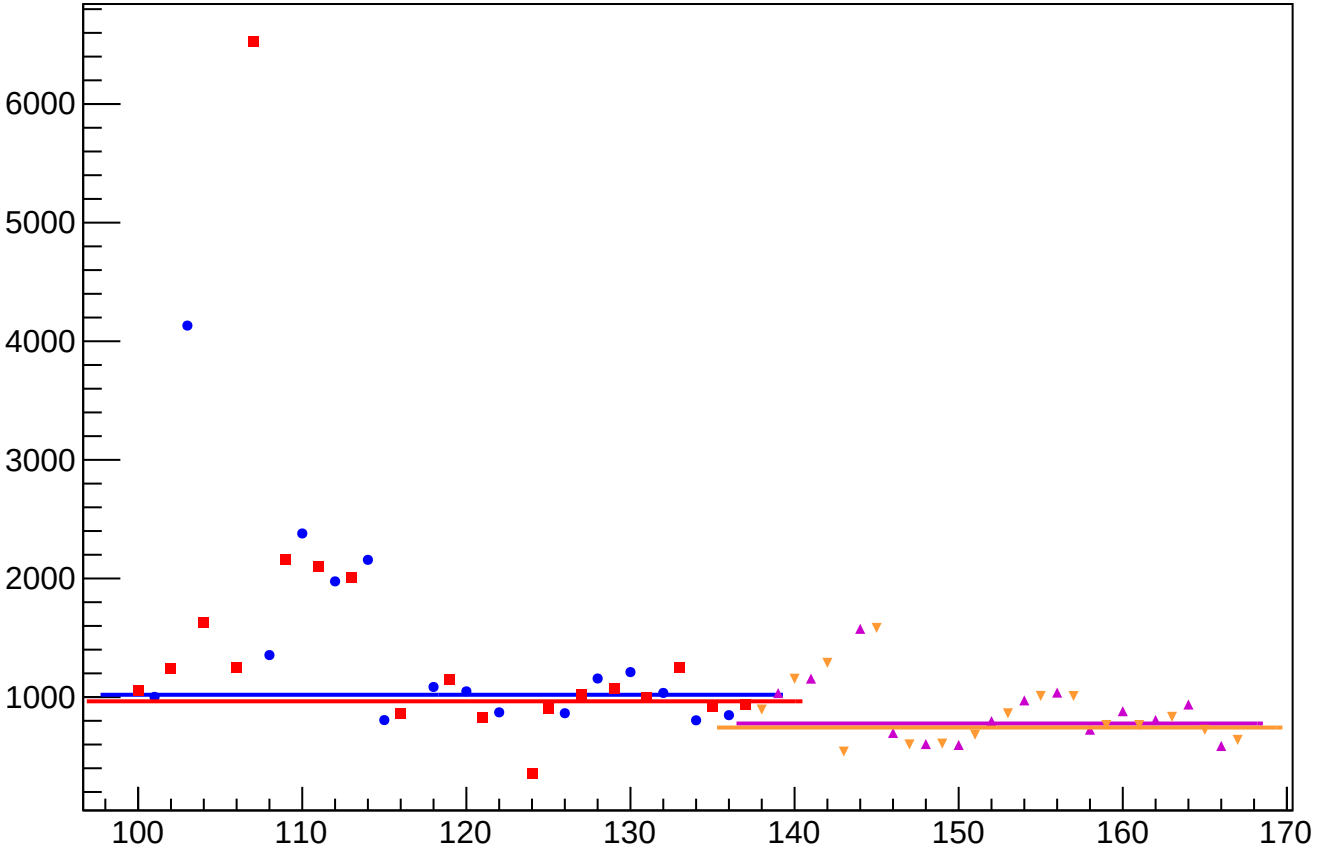
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 131.535+/-205.348 χ^2/NDF:26.6/29

Out: 230.060+/-191.230 χ^2/NDF:42.3/34

All: 184.301+/-139.945 χ^2/NDF: 69.1/64

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 743.272+/-0.154 χ^2/NDF:1579075.9/15

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 777.163+/-0.168 χ^2/NDF:1425585.0/13

Left: 758.724+/-0.114 χ^2/NDF: 3026708.3/29

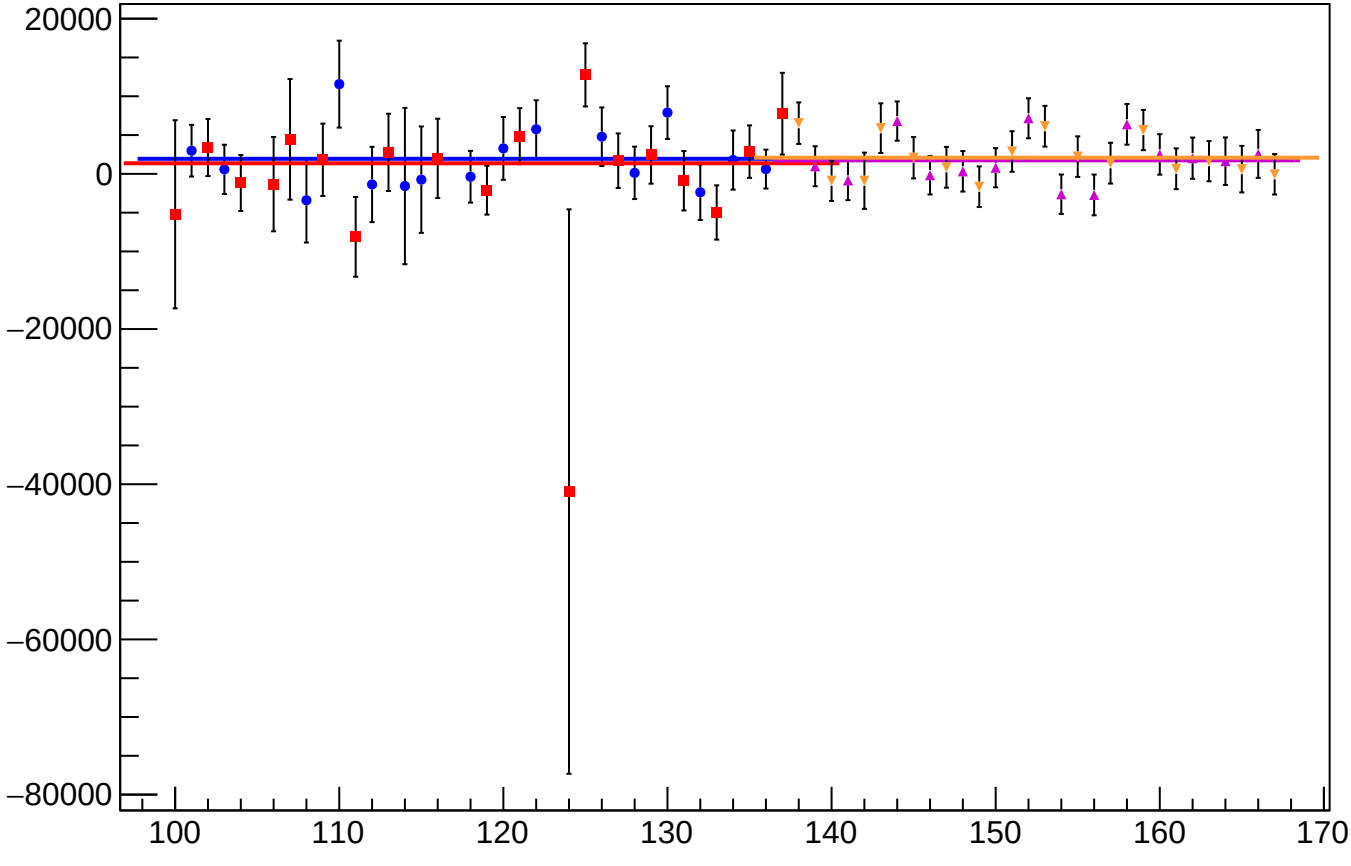
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 839.246+/-0.145 χ^2/NDF:3321170.1/29

Out: 794.171+/-0.135 χ^2/NDF:4362248.0/34

All: 815.106+/-0.099 χ^2/NDF: 7735027.4/64

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2082.861+/-677.812 χ^2/NDF:14.1/15

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1743.945+/-703.084 χ^2/NDF:19.7/13

Left: 1919.604+/-487.975 χ^2/NDF: 33.9/29

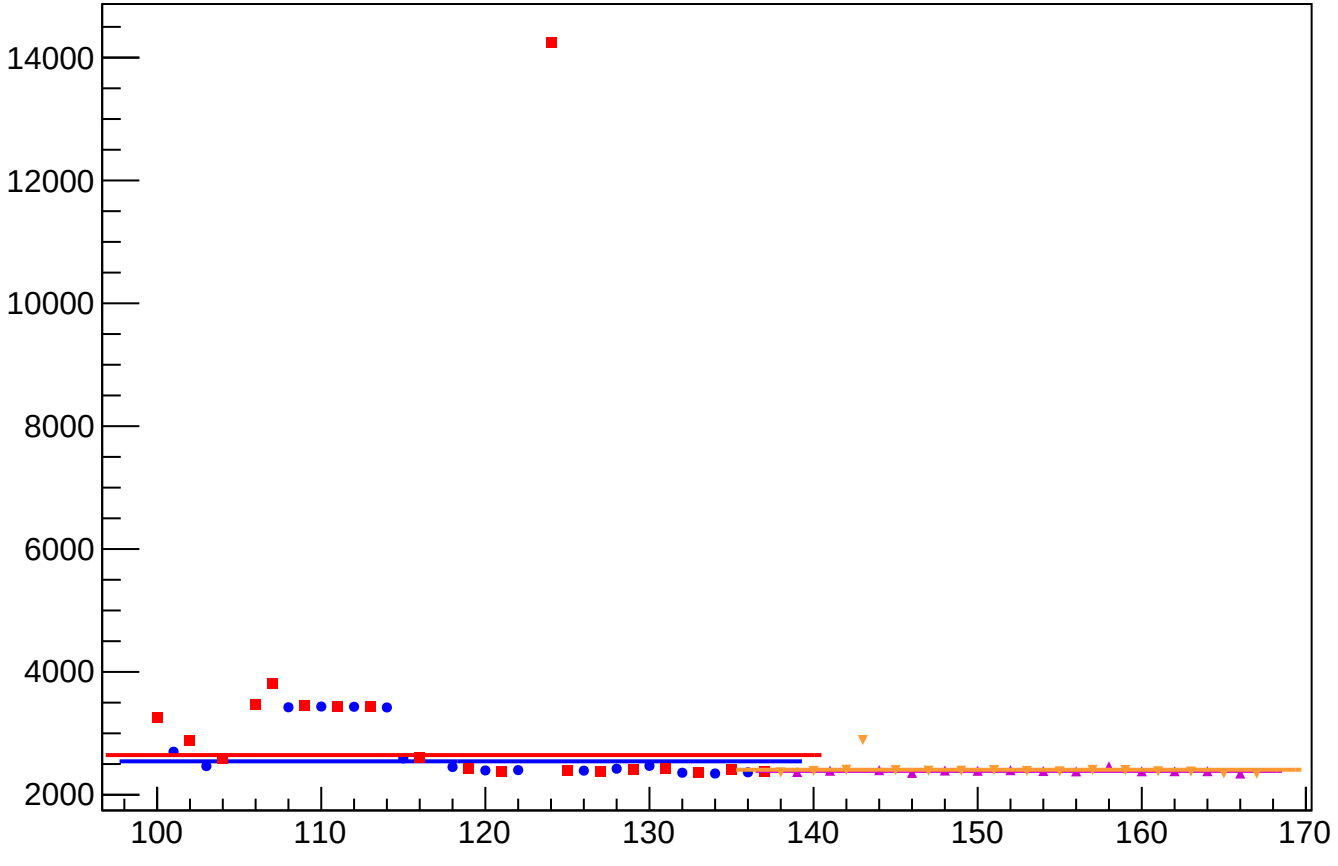
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1813.090+/-565.677 χ^2/NDF:32.0/29

Out: 1851.692+/-558.456 χ^2/NDF:36.2/34

All: 1832.639+/-397.417 χ^2/NDF: 68.2/64

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF:49150.2/15

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2389.114+/-0.497 χ^2/NDF:2614.2/13

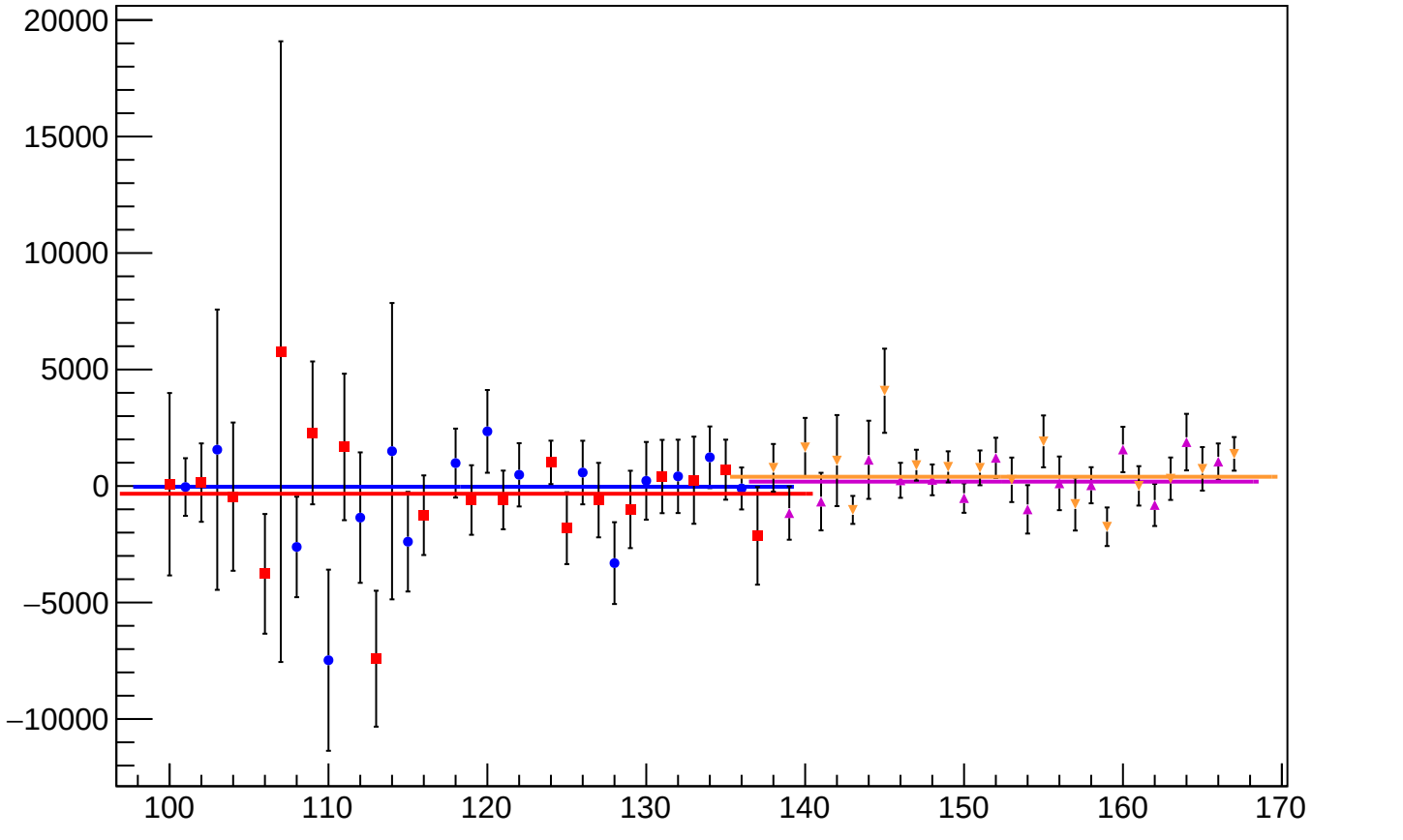
Left: 2398.608+/-0.345 χ^2/NDF: 52468.1/29

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2443.885+/-0.400 χ^2/NDF:262642.8/29

Out: 2484.118+/-0.395 χ^2/NDF:668406.8/34

All: 2464.260+/-0.281 χ^2/NDF: 936173.2/64



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 397.075+/-217.957 χ^2/NDF:24.1/15

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 187.651+/-238.095 χ^2/NDF:12.6/13

Left: 301.593+/-160.768 χ^2/NDF: 37.2/29

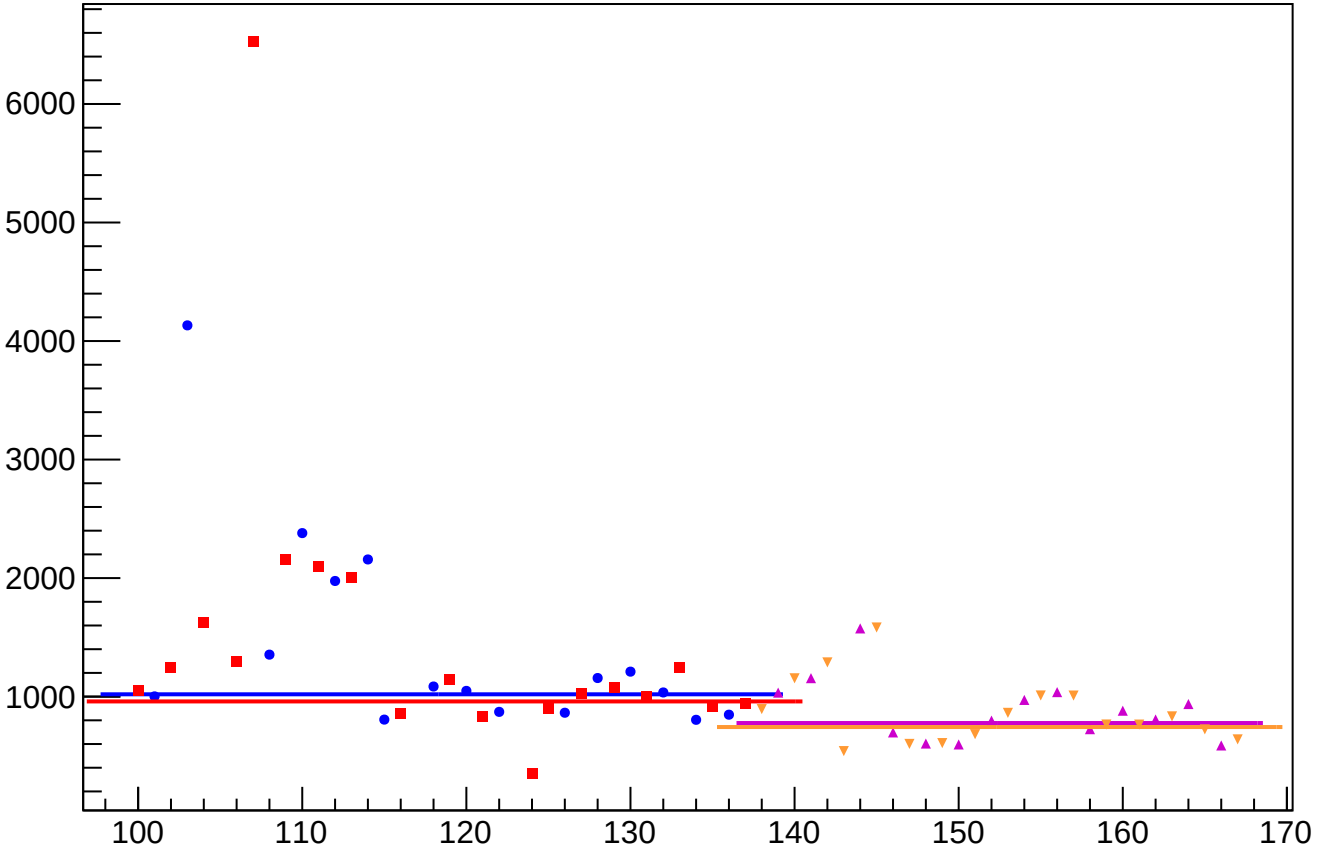
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 131.576+/-205.347 χ^2/NDF:26.6/29

Out: 229.743+/-191.316 χ^2/NDF:41.1/34

All: 184.128+/-139.979 χ^2/NDF: 67.8/64

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 743.281+/-0.154 χ^2/NDF:1579085.1/15

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 777.160+/-0.168 χ^2/NDF:1425746.0/13

Left: 758.727+/-0.114 χ^2/NDF: 3026862.6/29

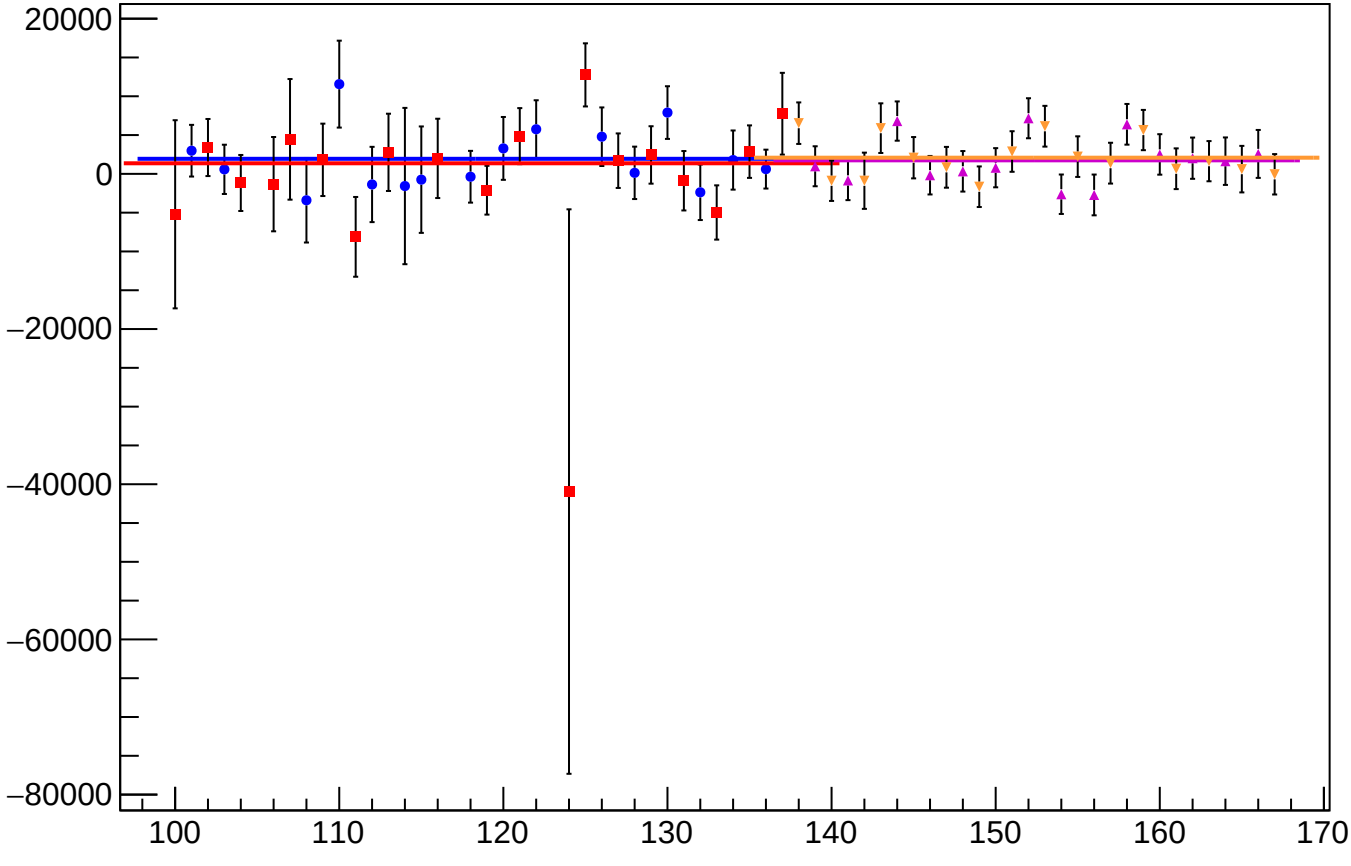
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 839.242+/-0.145 χ^2/NDF:3321309.6/29

Out: 792.873+/-0.135 χ^2/NDF:4374624.8/34

All: 814.419+/-0.099 χ^2/NDF: 7750527.5/64

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2082.861+/-677.812 χ^2/NDF:14.1/15

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1743.945+/-703.084 χ^2/NDF:19.7/13

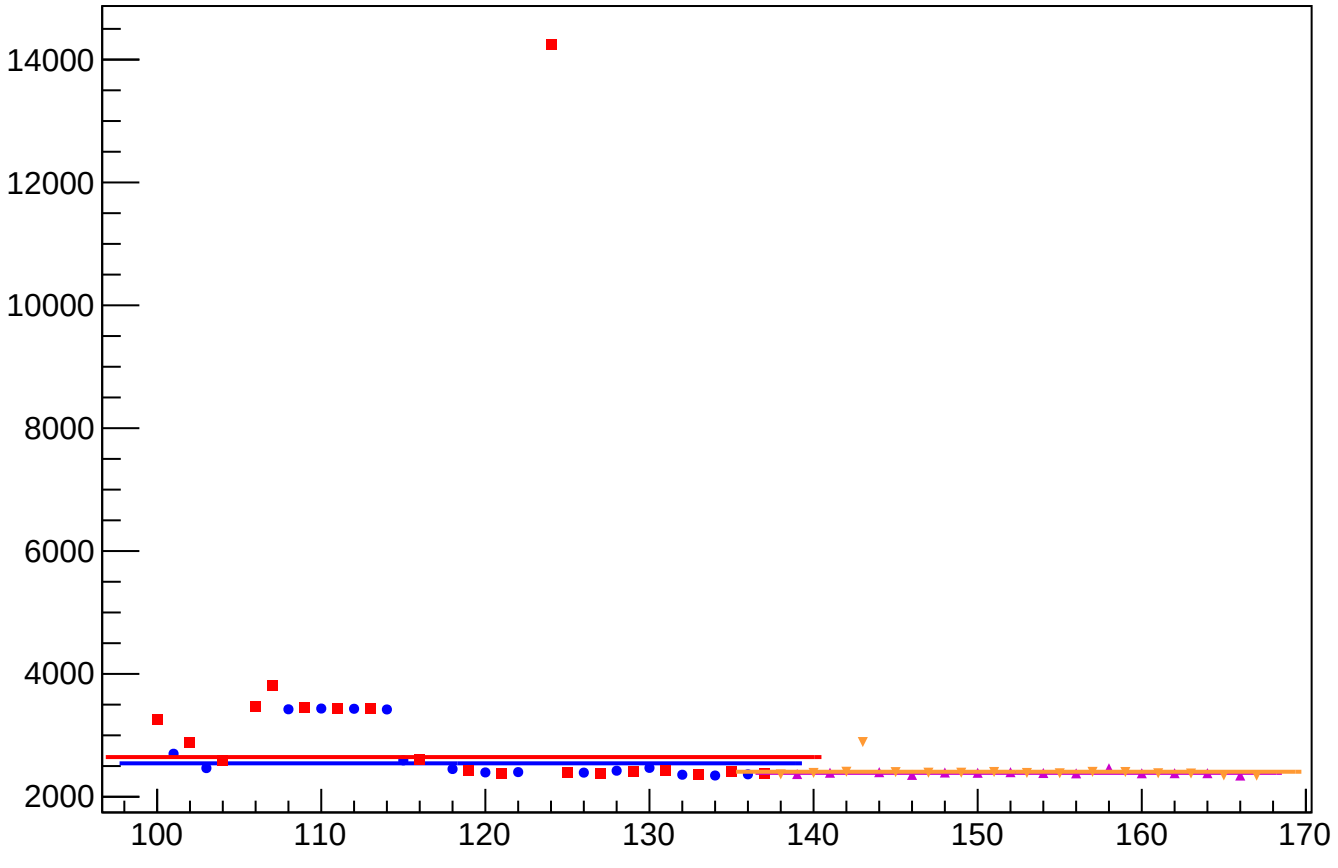
Left: 1919.604+/-487.975 χ^2/NDF: 33.9/29

Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1813.090+/-565.677 χ^2/NDF:32.0/29

Out: 1851.692+/-558.456 χ^2/NDF:36.2/34

All: 1832.639+/-397.417 χ^2/NDF: 68.2/64



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF:49150.2/15

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2389.114+/-0.497 χ^2/NDF:2614.2/13

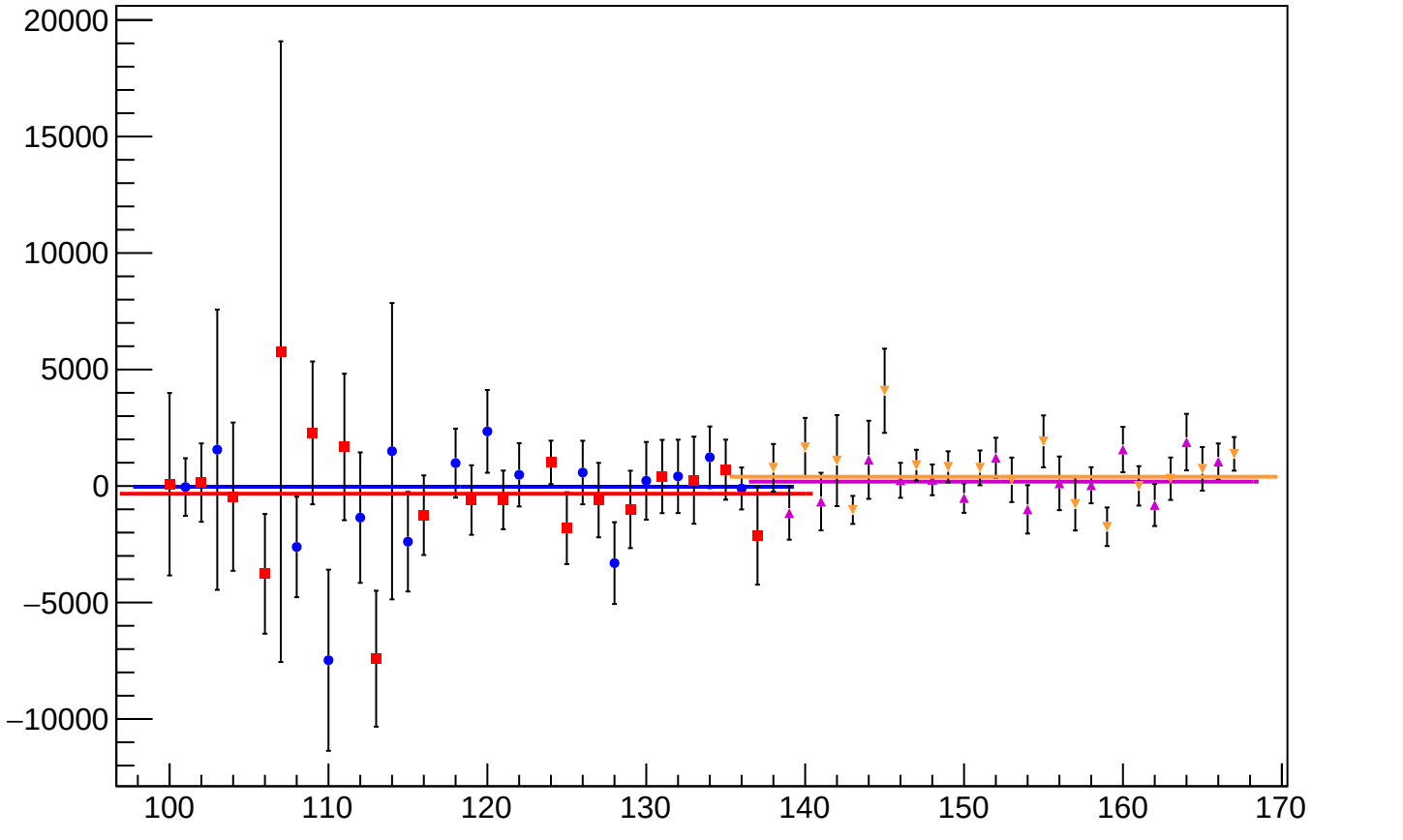
Left: 2398.608+/-0.345 χ^2/NDF: 52468.1/29

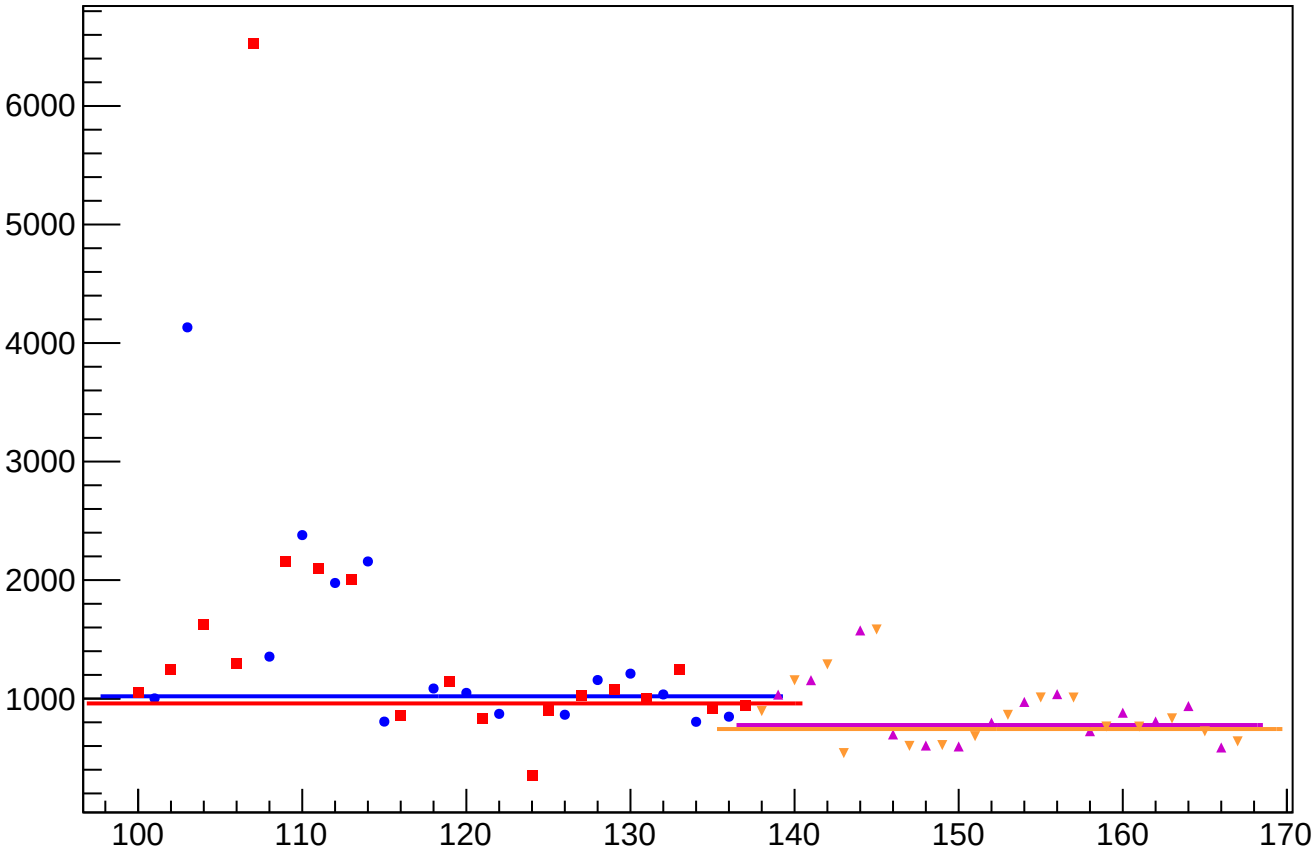
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2443.885+/-0.400 χ^2/NDF:262642.8/29

Out: 2484.118+/-0.395 χ^2/NDF:668406.8/34

All: 2464.260+/-0.281 χ^2/NDF: 936173.2/64


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -31.253+/-405.723 χ²/NDF: 13.8/15
Left Out: 397.075+/-217.957 χ²/NDF:24.1/15
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: 187.651+/-238.095 χ²/NDF:12.6/13
Left: 301.593+/-160.768 χ²/NDF: 37.2/29
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: 131.576+/-205.347 χ²/NDF:26.6/29
Out: 229.743+/-191.316 χ²/NDF:41.1/34
All: 184.128+/-139.979 χ²/NDF: 67.8/64



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 743.281+/-0.154 χ^2/NDF:1579085.1/15

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 777.160+/-0.168 χ^2/NDF:1425746.0/13

Left: 758.727+/-0.114 χ^2/NDF: 3026862.6/29

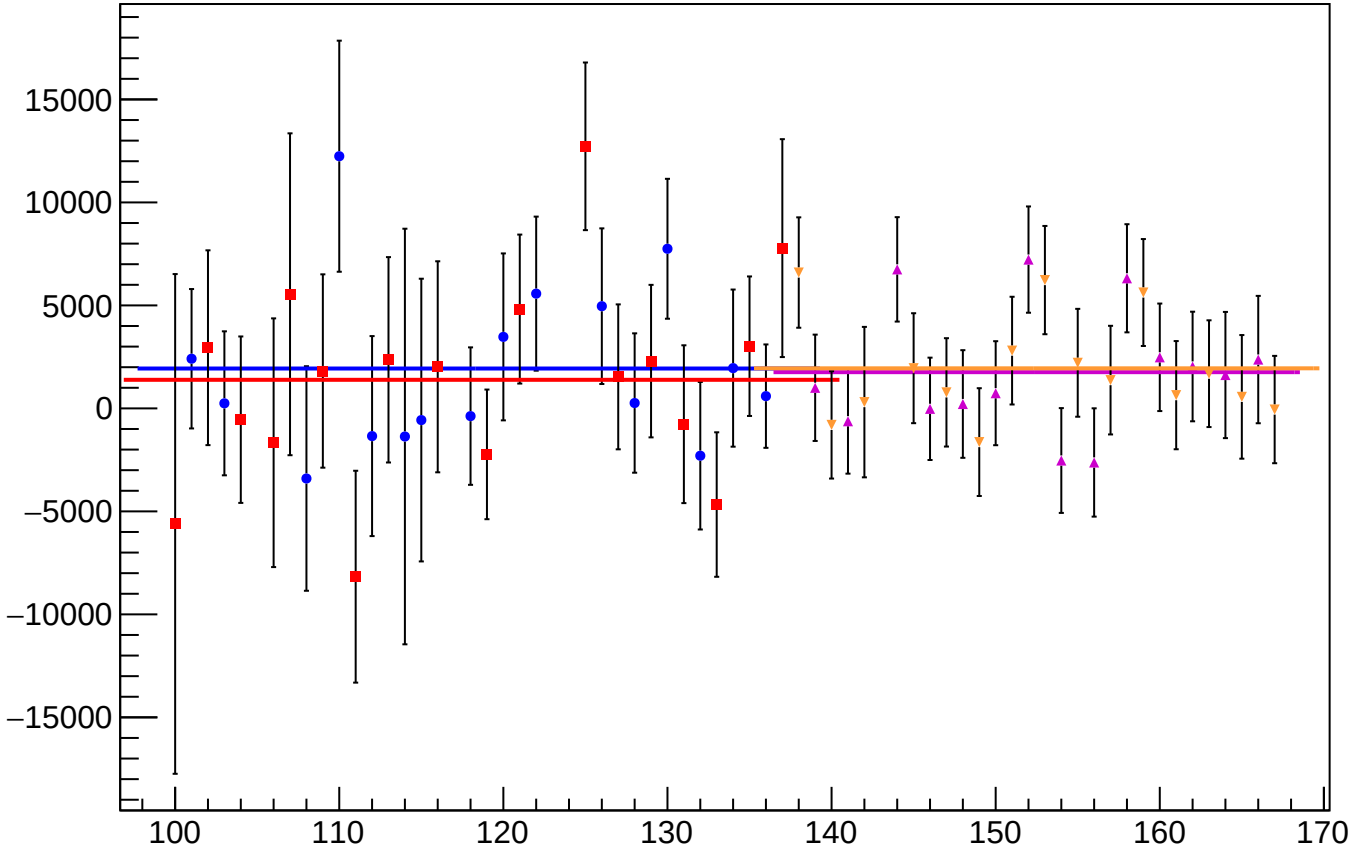
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 839.242+/-0.145 χ^2/NDF:3321309.6/29

Out: 792.873+/-0.135 χ^2/NDF:4374624.8/34

All: 814.419+/-0.099 χ^2/NDF: 7750527.5/64

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1945.708+/-694.420 χ^2/NDF:12.3/14

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1758.814+/-703.745 χ^2/NDF:19.1/13

Left: 1853.507+/-494.293 χ^2/NDF: 31.4/28

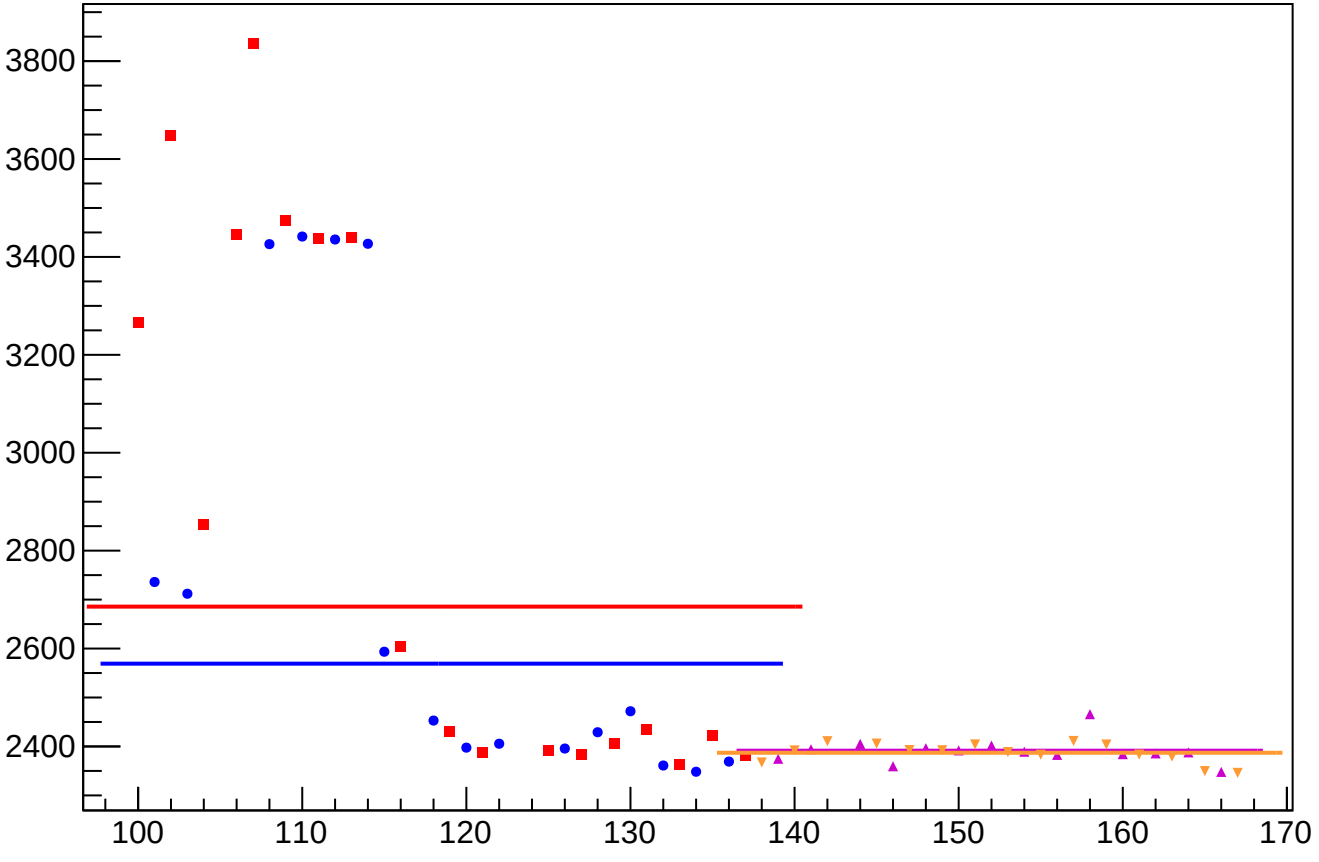
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1820.551+/-568.054 χ^2/NDF:31.5/29

Out: 1766.332+/-572.057 χ^2/NDF:32.3/32

All: 1793.632+/-403.082 χ^2/NDF: 63.8/62

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2387.136+/-0.491 χ^2/NDF:1489.8/14

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2391.347+/-0.498 χ^2/NDF:2568.8/13

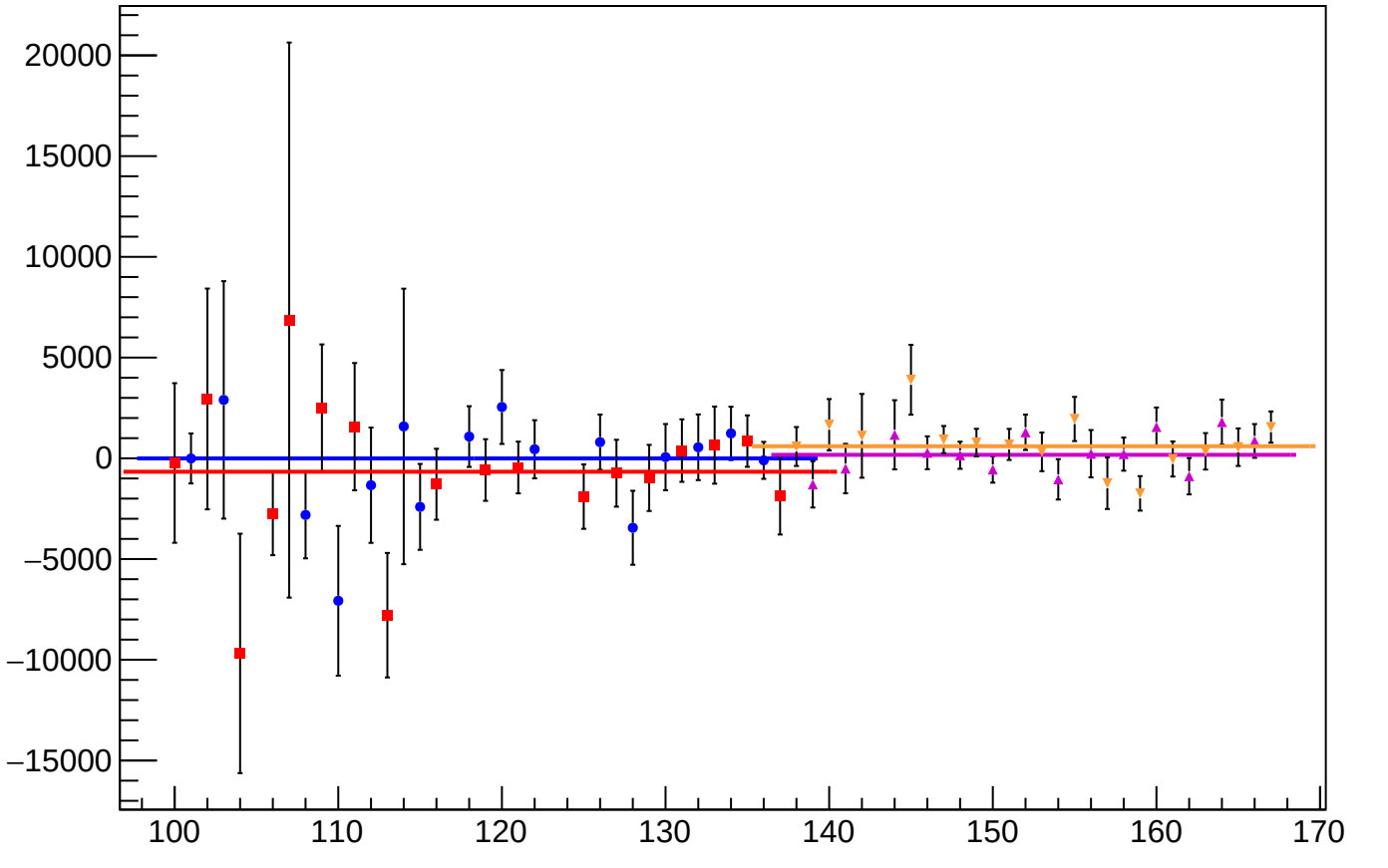
Left: 2389.213+/-0.350 χ^2/NDF: 4094.9/28

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

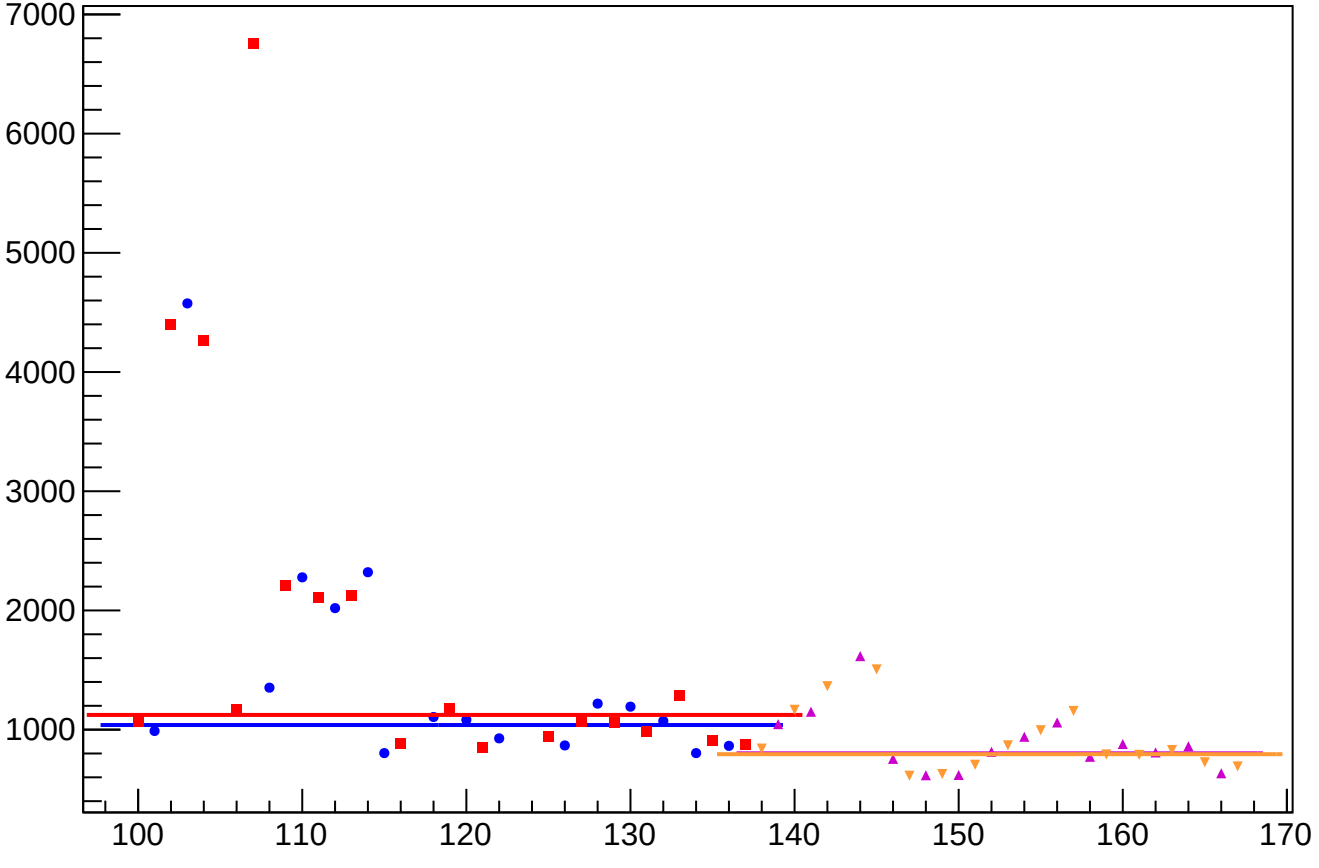
In: 2453.295+/-0.402 χ^2/NDF:276531.7/29

Out: 2483.077+/-0.405 χ^2/NDF:539547.7/32

All: 2468.082+/-0.285 χ^2/NDF: 818808.9/62


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -5.169+/-412.248 χ²/NDF: 14.5/15
Left Out: 600.240+/-239.077 χ²/NDF:18.0/14
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: 172.533+/-243.954 χ²/NDF:12.8/13
Left: 390.705+/-170.751 χ²/NDF: 32.3/28
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: 126.444+/-209.948 χ²/NDF:27.5/29
Out: 331.426+/-212.186 χ²/NDF:38.3/32
All: 227.848+/-149.241 χ²/NDF: 66.2/62

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 794.112+/-0.169 χ^2/NDF:1238171.7/14

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 801.266+/-0.173 χ^2/NDF:1249248.5/13

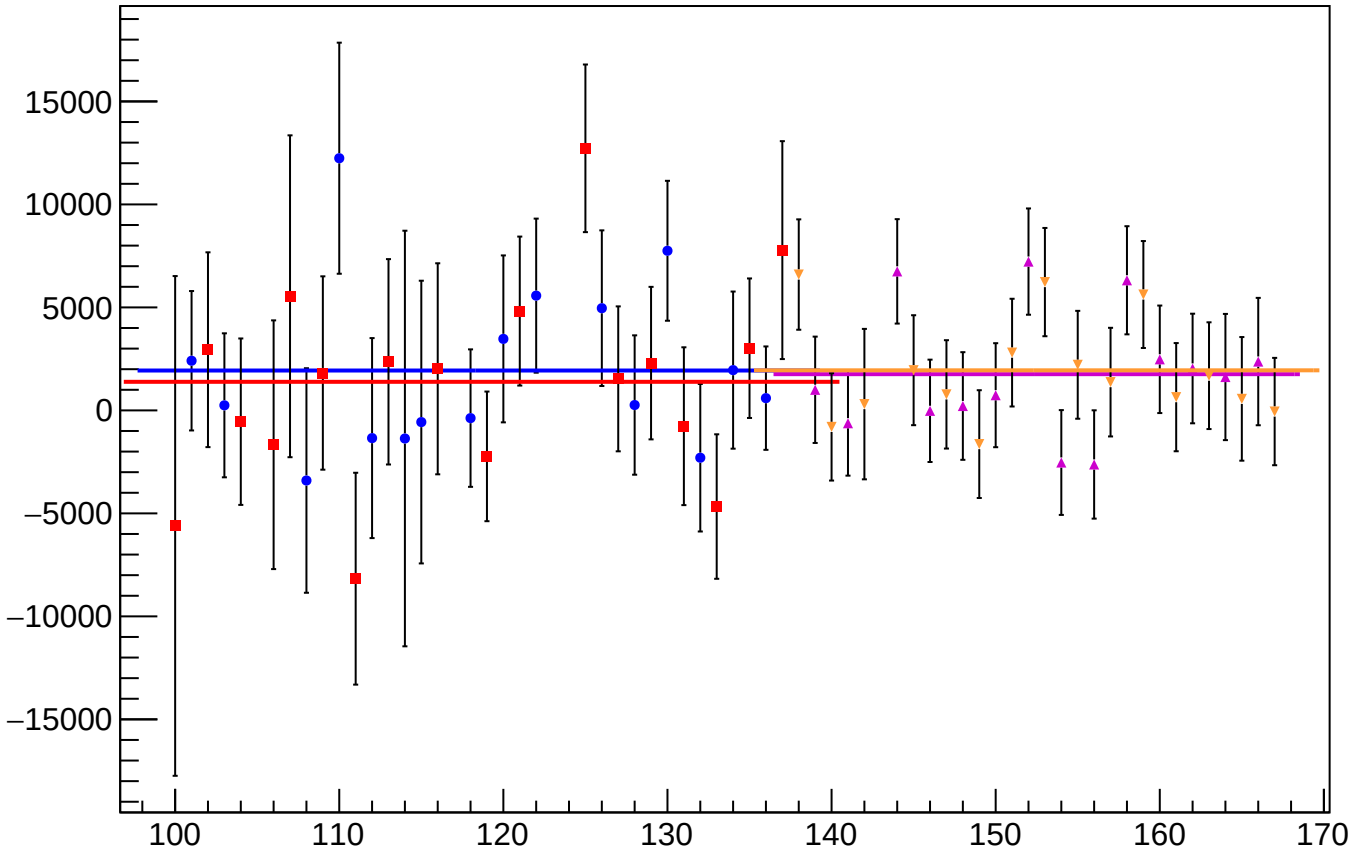
Left: 797.617+/-0.121 χ^2/NDF: 2488297.5/28

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 862.874+/-0.148 χ^2/NDF:3280771.8/29

Out: 864.036+/-0.150 χ^2/NDF:4579534.8/32

All: 863.449+/-0.106 χ^2/NDF: 7860336.8/62



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1945.708+/-694.420 χ^2/NDF:12.3/14

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1758.815+/-703.745 χ^2/NDF:19.1/13

Left: 1853.508+/-494.293 χ^2/NDF: 31.4/28

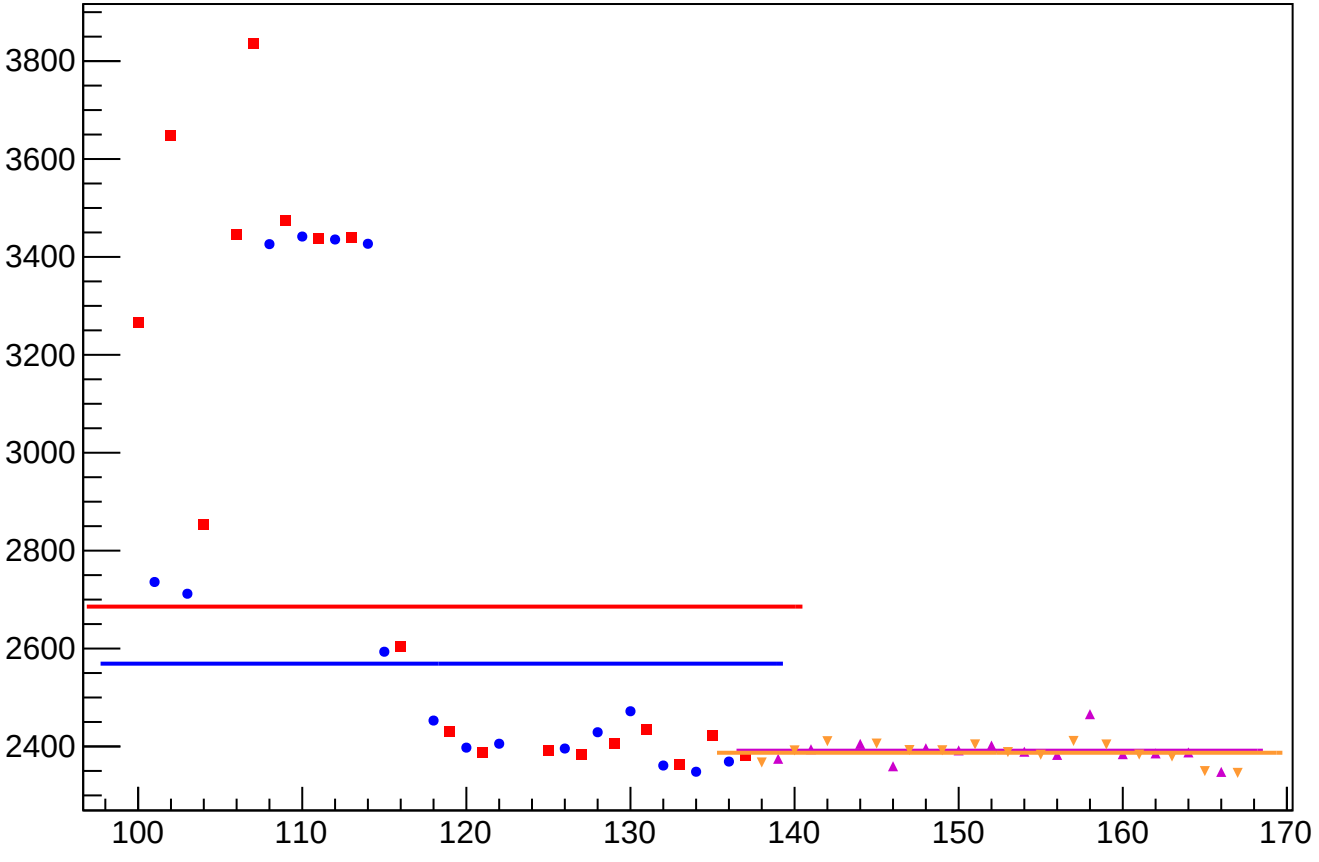
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1820.551+/-568.054 χ^2/NDF:31.5/29

Out: 1766.331+/-572.057 χ^2/NDF:32.3/32

All: 1793.631+/-403.082 χ^2/NDF: 63.8/62

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2387.136+/-0.491 χ^2/NDF:1489.8/14

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2391.347+/-0.498 χ^2/NDF:2568.8/13

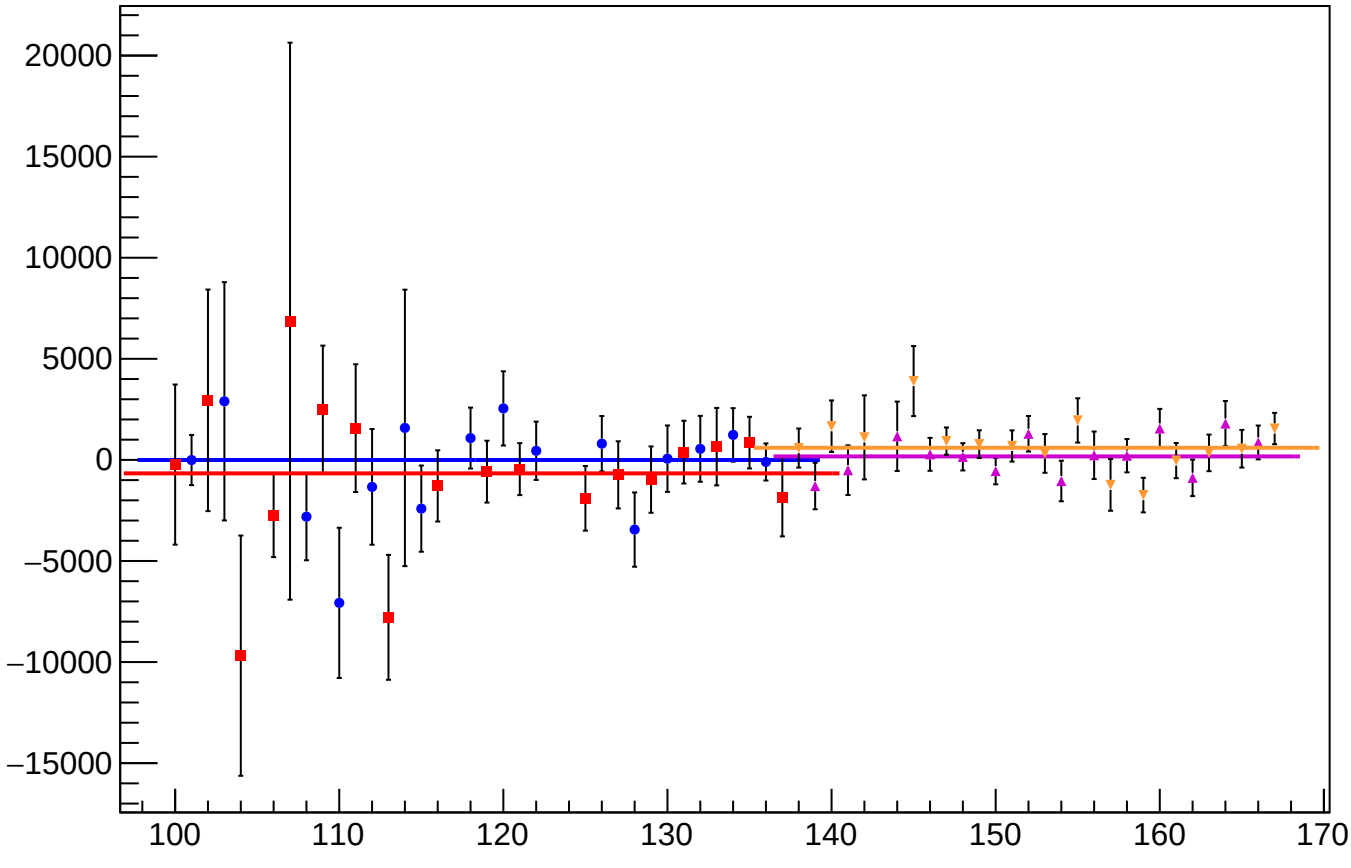
Left: 2389.213+/-0.350 χ^2/NDF: 4094.9/28

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2453.295+/-0.402 χ^2/NDF:276531.3/29

Out: 2483.077+/-0.405 χ^2/NDF:539546.8/32

All: 2468.081+/-0.285 χ^2/NDF: 818807.5/62



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 600.239+/-239.077 χ^2/NDF:18.0/14

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: 172.533+/-243.955 χ^2/NDF:12.8/13

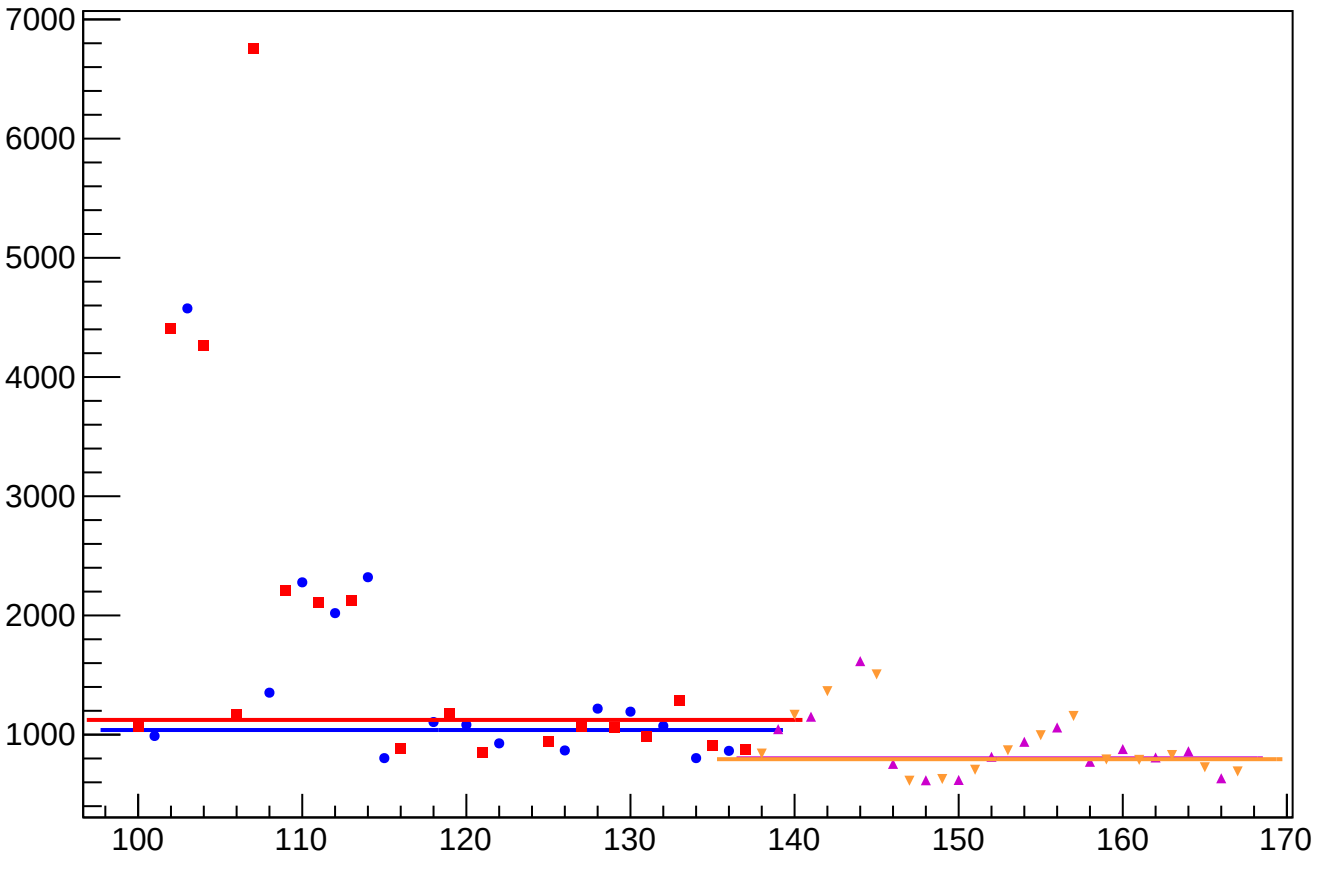
Left: 390.705+/-170.752 χ^2/NDF: 32.3/28

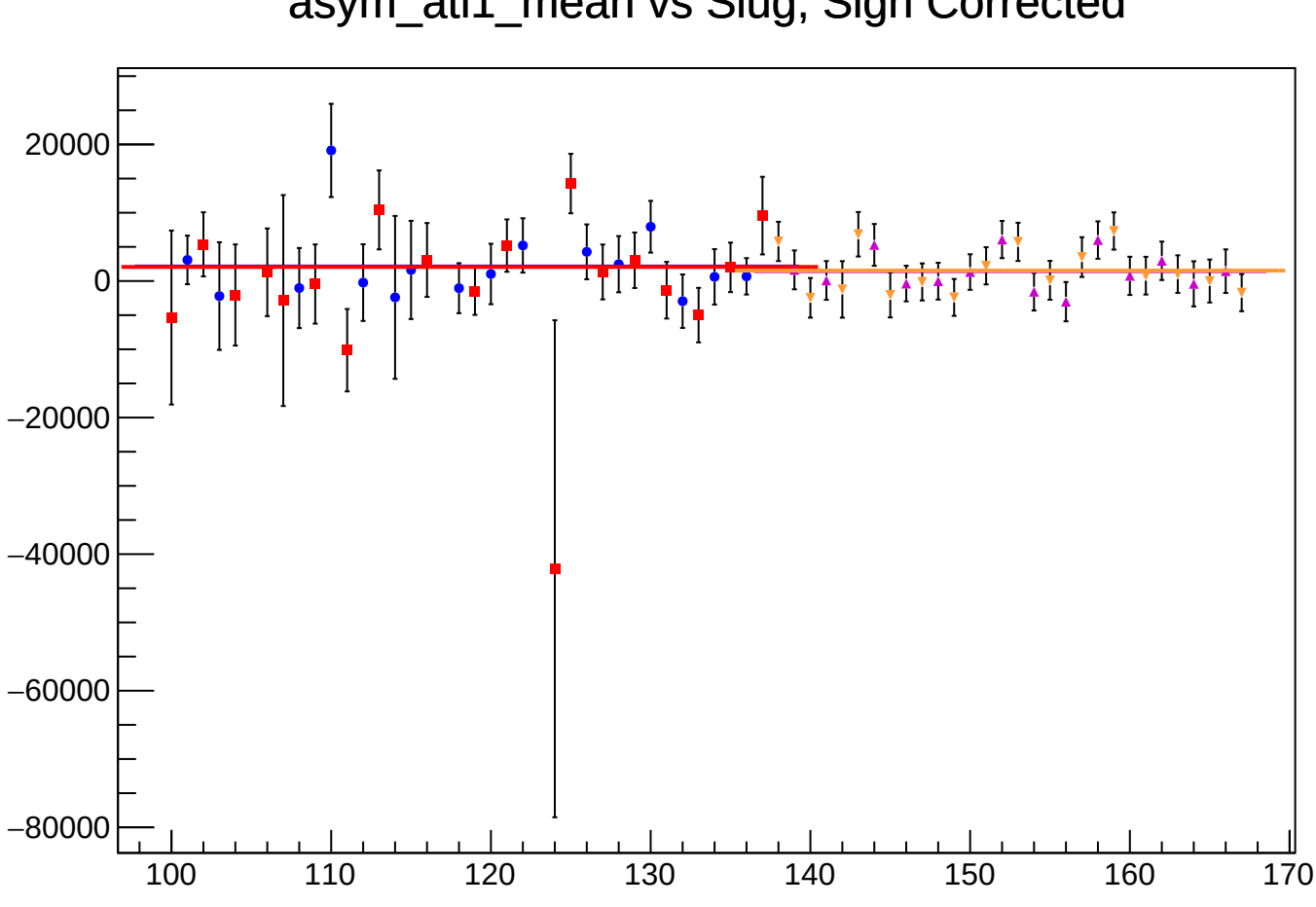
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 126.443+/-209.948 χ^2/NDF:27.5/29

Out: 331.424+/-212.187 χ^2/NDF:38.3/32

All: 227.847+/-149.241 χ^2/NDF: 66.2/62


asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1038.804+/-0.292 χ²/NDF: 1539724.8/15
Left Out: 794.113+/-0.169 χ²/NDF:1238169.3/14
Right Out: 1123.474+/-0.326 χ²/NDF: 2535509.9/17
Left In: 801.267+/-0.173 χ²/NDF:1249247.3/13
Left: 797.618+/-0.121 χ²/NDF: 2488294.0/28
Right: 1076.471+/-0.217 χ²/NDF: 4112767.4/33
In: 862.875+/-0.148 χ²/NDF:3280760.2/29
Out: 864.037+/-0.150 χ²/NDF:4579522.7/32
All: 863.450+/-0.106 χ²/NDF: 7860313.2/62



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1525.081+/-726.379 χ^2/NDF:20.2/15

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1444.968+/-755.745 χ^2/NDF:12.5/13

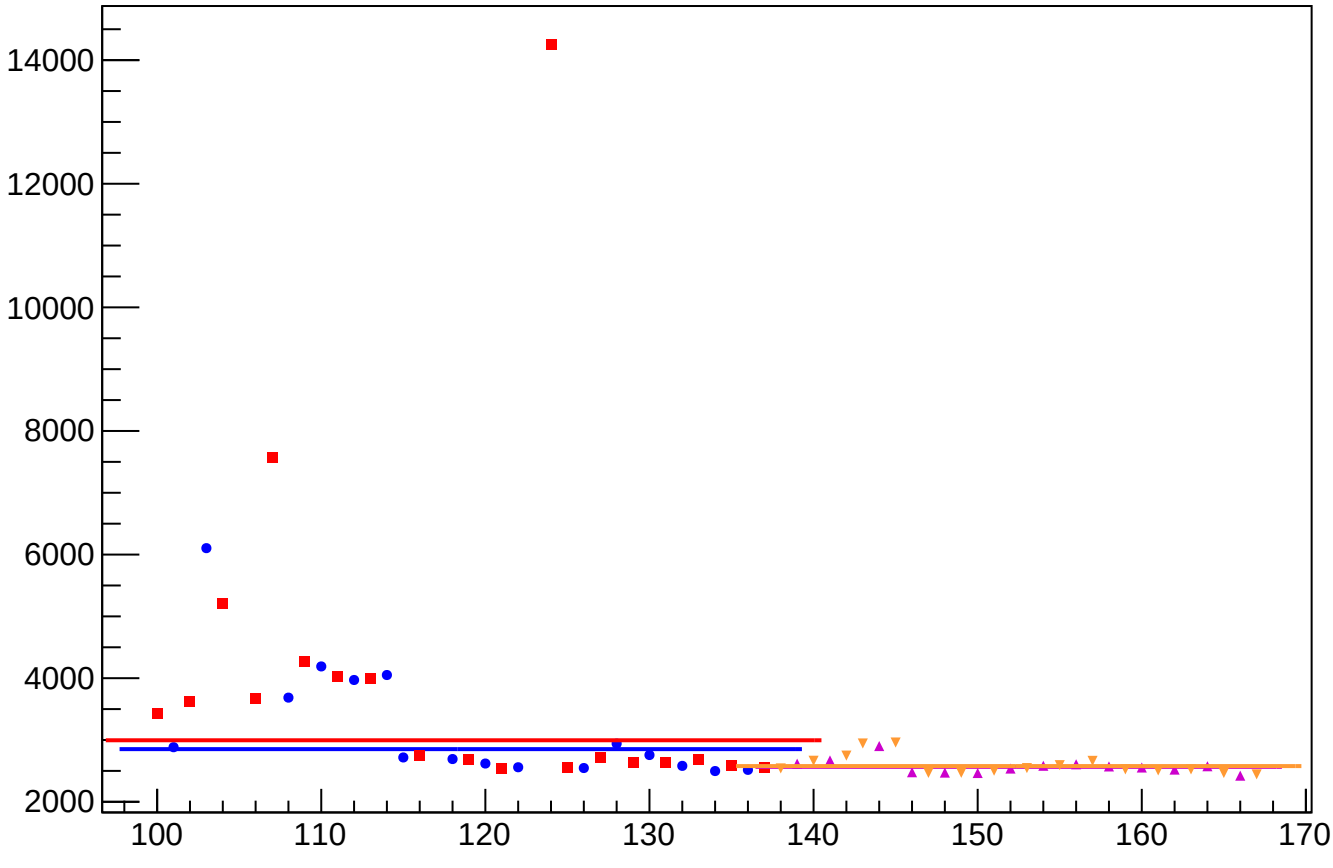
Left: 1486.611+/-523.701 χ^2/NDF: 32.7/29

Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1666.217+/-620.081 χ^2/NDF:26.1/29

Out: 1680.085+/-612.096 χ^2/NDF:44.7/34

All: 1673.241+/-435.613 χ^2/NDF: 70.8/64



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2577.752+/-0.514 χ^2/NDF:77736.7/15

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2565.312+/-0.534 χ^2/NDF:40275.7/13

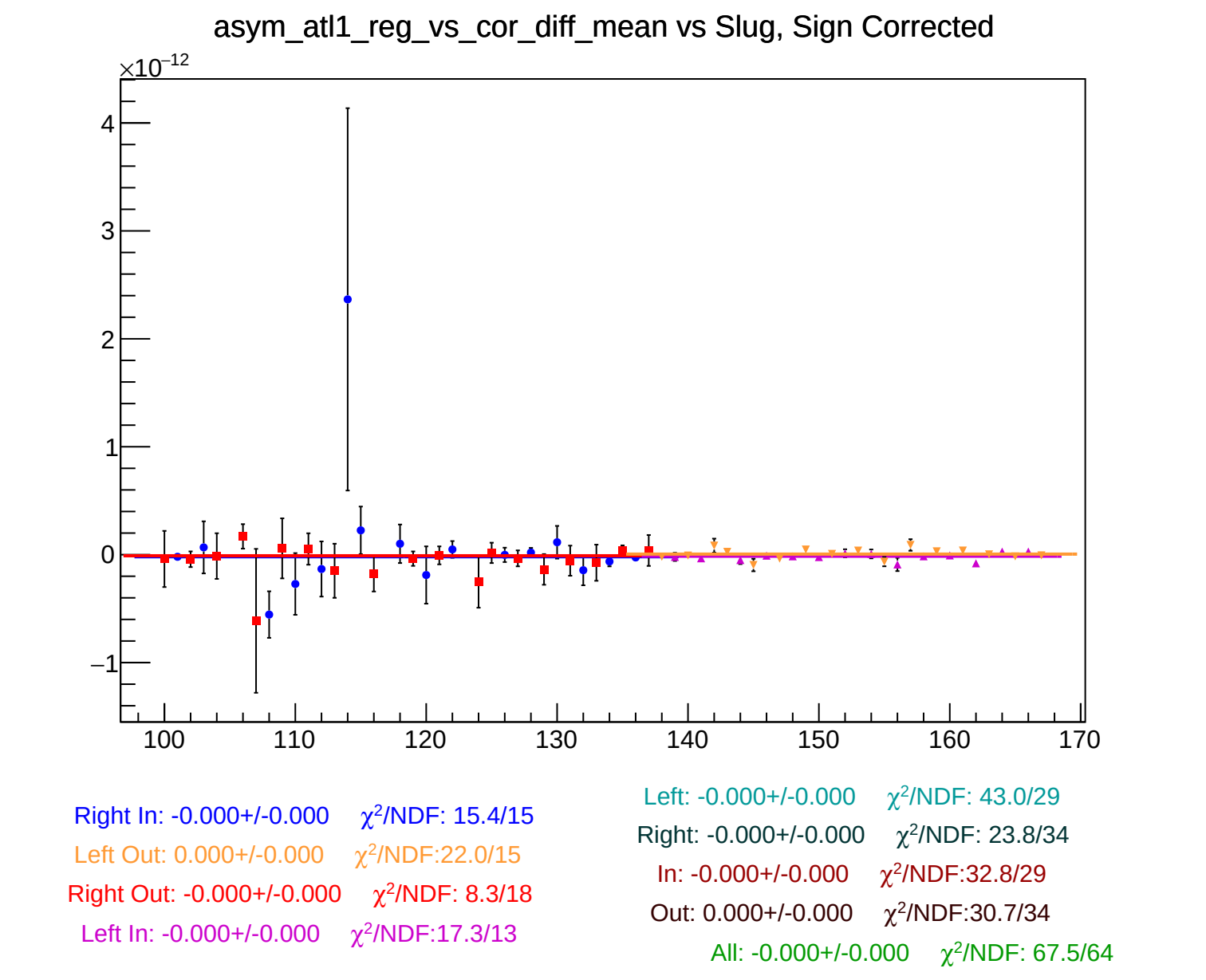
Left: 2571.779+/-0.370 χ^2/NDF: 118294.0/29

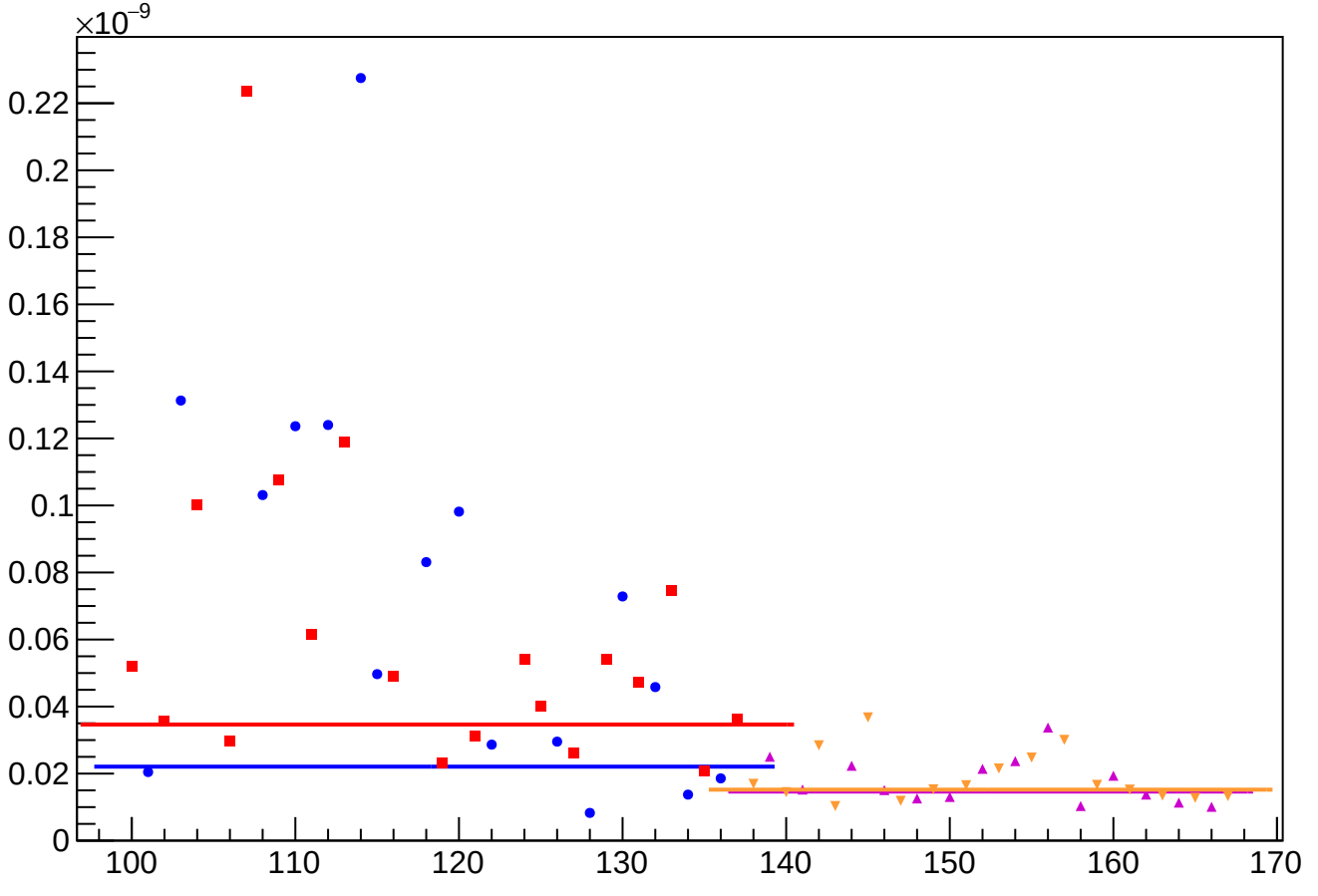
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2659.068+/-0.438 χ^2/NDF:783179.7/29

Out: 2698.869+/-0.433 χ^2/NDF:1248706.0/34

All: 2679.227+/-0.308 χ^2/NDF: 2036059.0/64


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:22.0/15
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:17.3/13
Left: -0.000+/-0.000 χ²/NDF: 43.0/29
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:32.8/29
Out: 0.000+/-0.000 χ²/NDF:30.7/34
All: -0.000+/-0.000 χ²/NDF: 67.5/64



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:908687.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:881780.9/13

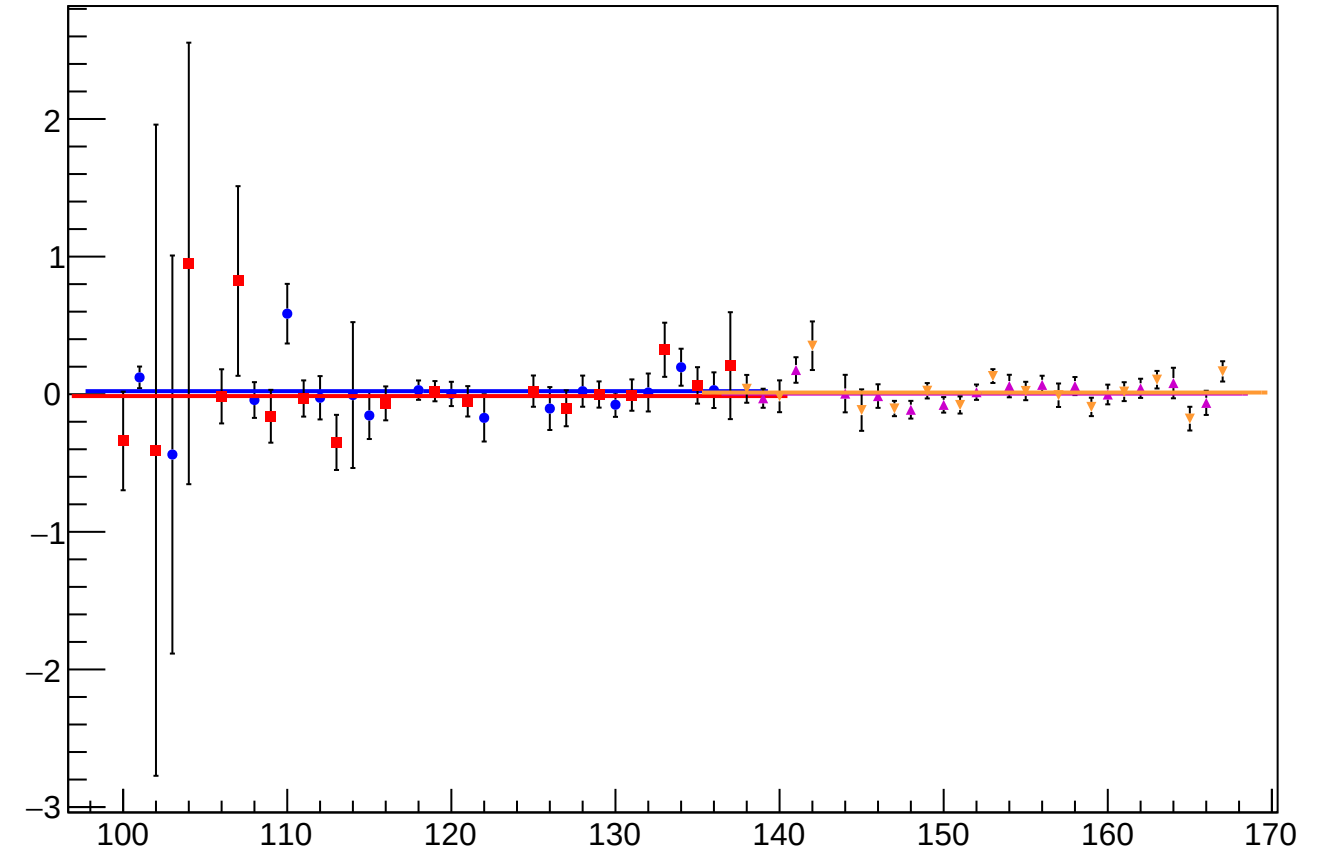
Left: 0.000+/-0.000 χ^2/NDF: 1796629.4/29

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3541797.8/29

Out: 0.000+/-0.000 χ^2/NDF:3321563.6/34

All: 0.000+/-0.000 χ^2/NDF: 6879029.3/64



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.019 χ^2/NDF:30.6/14

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.004+/-0.020 χ^2/NDF:12.6/13

Left: 0.009+/-0.013 χ^2/NDF: 43.3/28

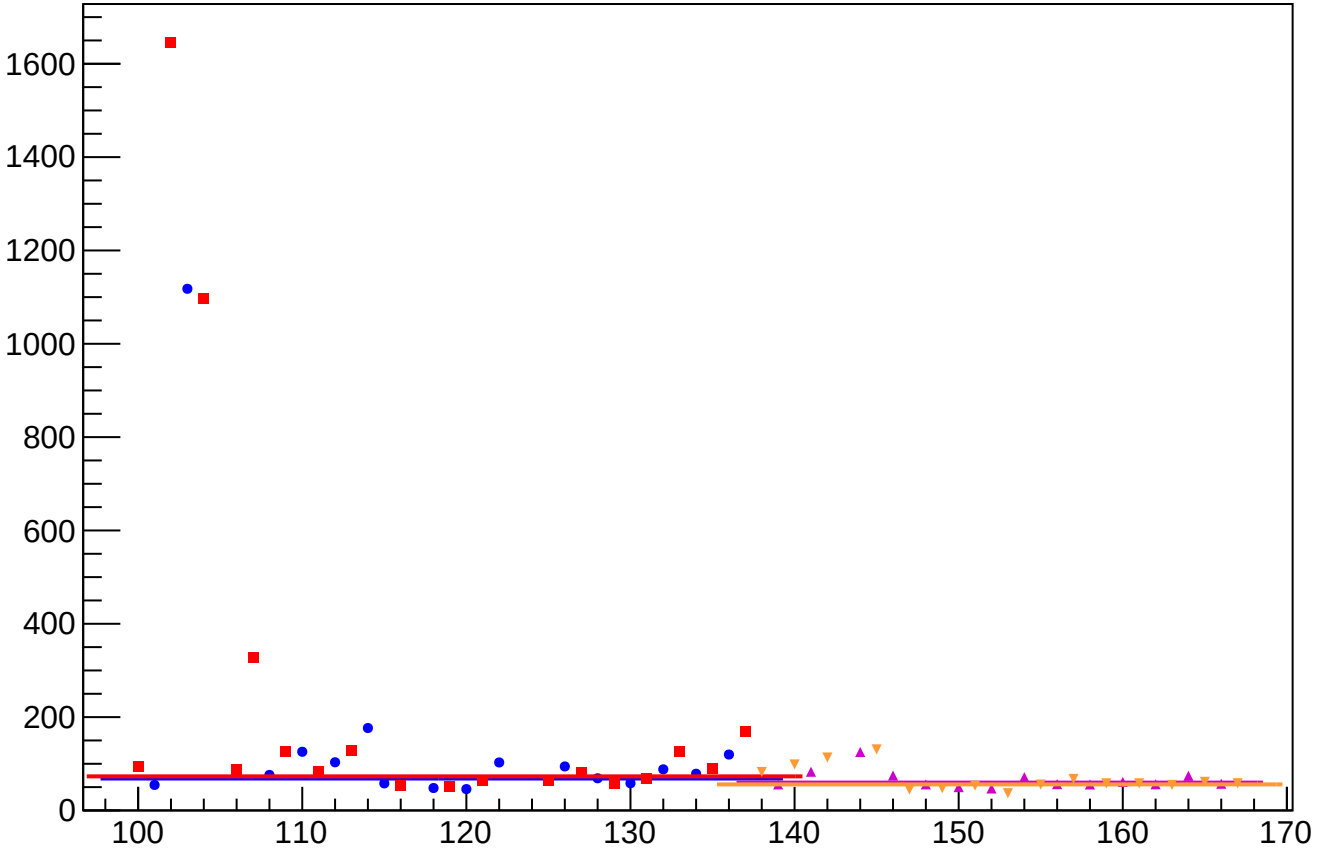
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.010+/-0.016 χ^2/NDF:27.7/29

Out: 0.006+/-0.016 χ^2/NDF:41.9/32

All: 0.008+/-0.012 χ^2/NDF: 69.6/62

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.847+/-0.013 χ^2/NDF:1584789.7/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.680+/-0.014 χ^2/NDF:921409.7/13

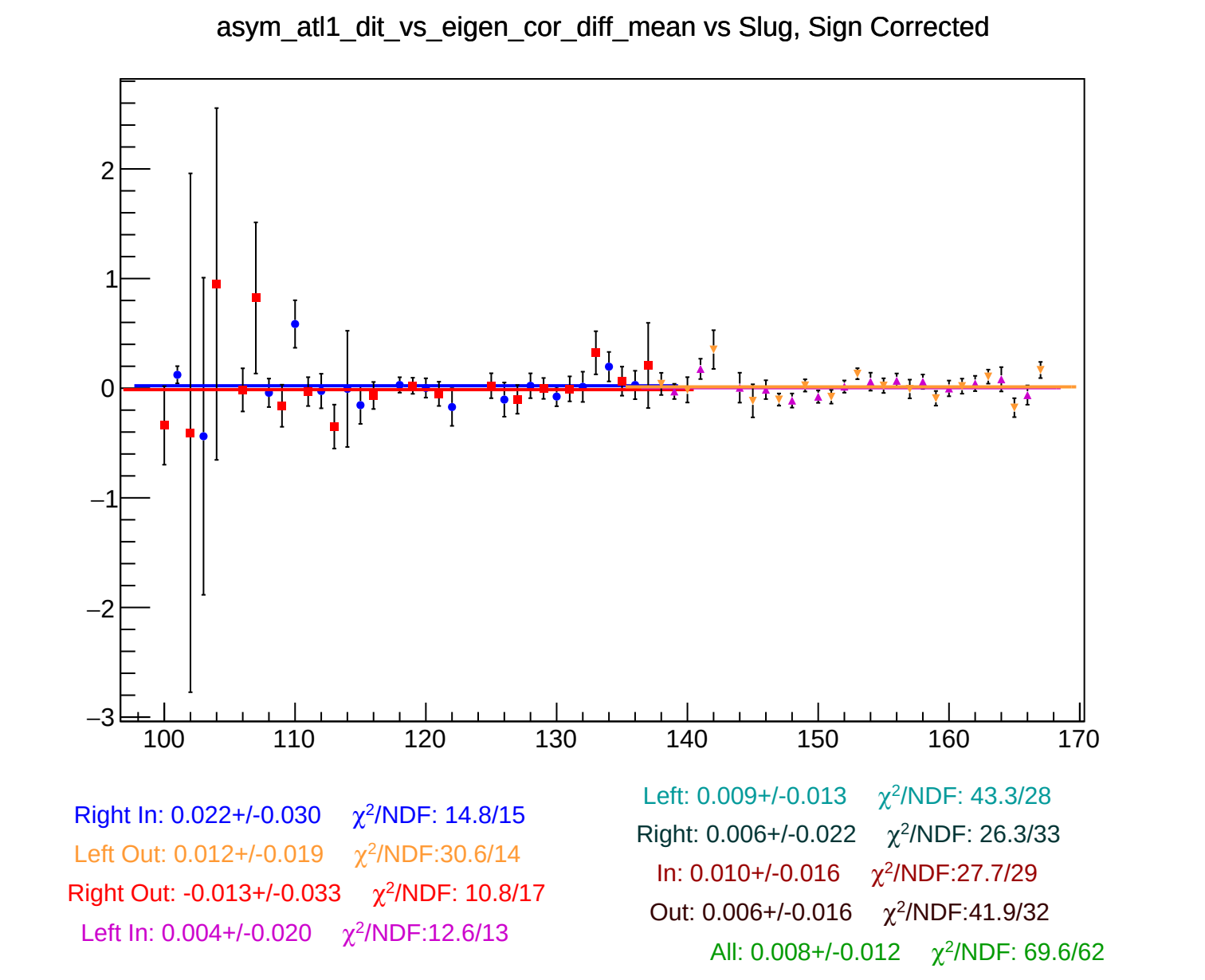
Left: 57.661+/-0.010 χ^2/NDF: 2546658.8/28

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

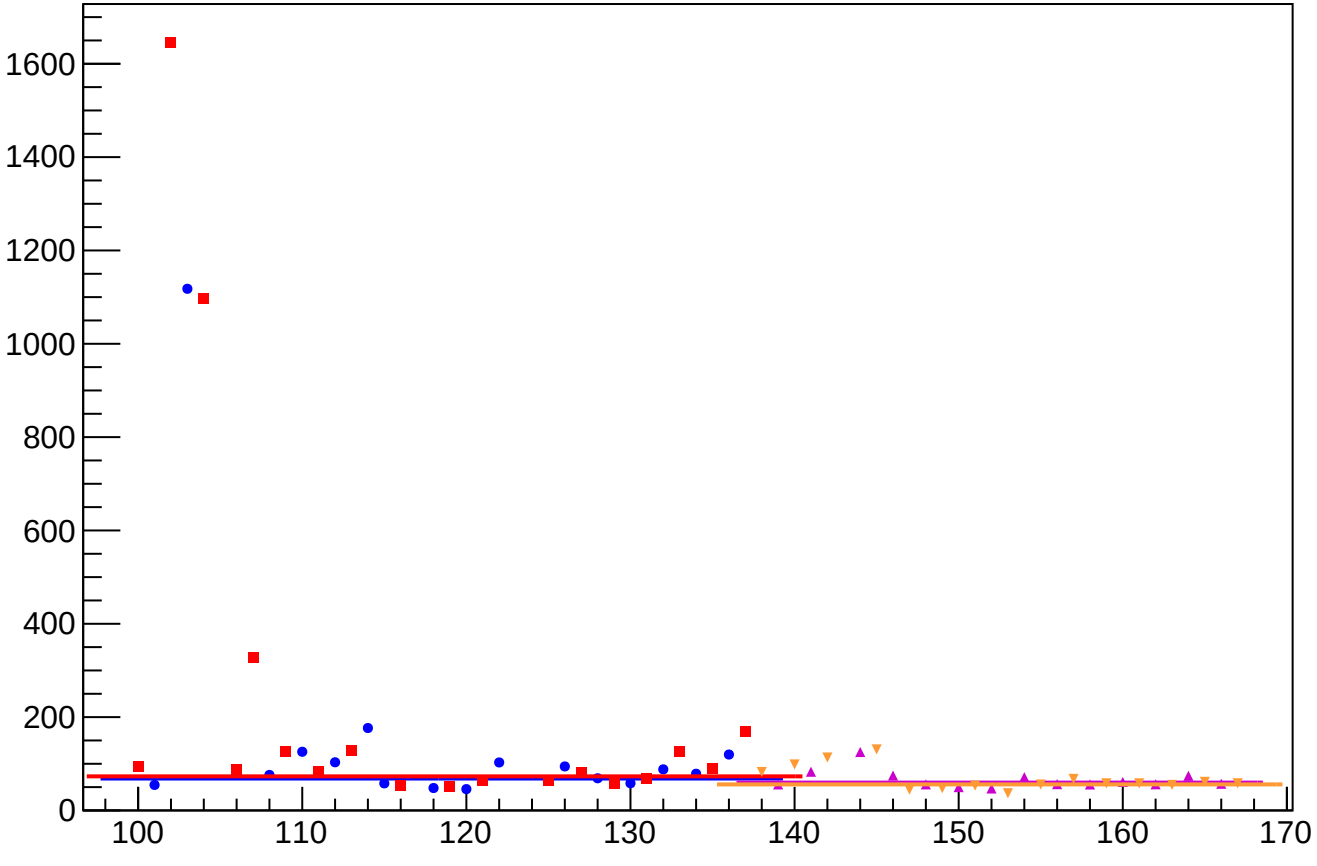
In: 62.272+/-0.012 χ^2/NDF:3318012.0/29

Out: 59.890+/-0.011 χ^2/NDF:4903113.4/32

All: 61.067+/-0.008 χ^2/NDF: 8242436.7/62


asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.012+/-0.019 χ²/NDF:30.6/14
Right Out: -0.013+/-0.033 χ²/NDF: 10.8/17
Left In: 0.004+/-0.020 χ²/NDF:12.6/13
Left: 0.009+/-0.013 χ²/NDF: 43.3/28
Right: 0.006+/-0.022 χ²/NDF: 26.3/33
In: 0.010+/-0.016 χ²/NDF:27.7/29
Out: 0.006+/-0.016 χ²/NDF:41.9/32
All: 0.008+/-0.012 χ²/NDF: 69.6/62

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.847+/-0.013 χ^2/NDF:1584789.7/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.680+/-0.014 χ^2/NDF:921409.7/13

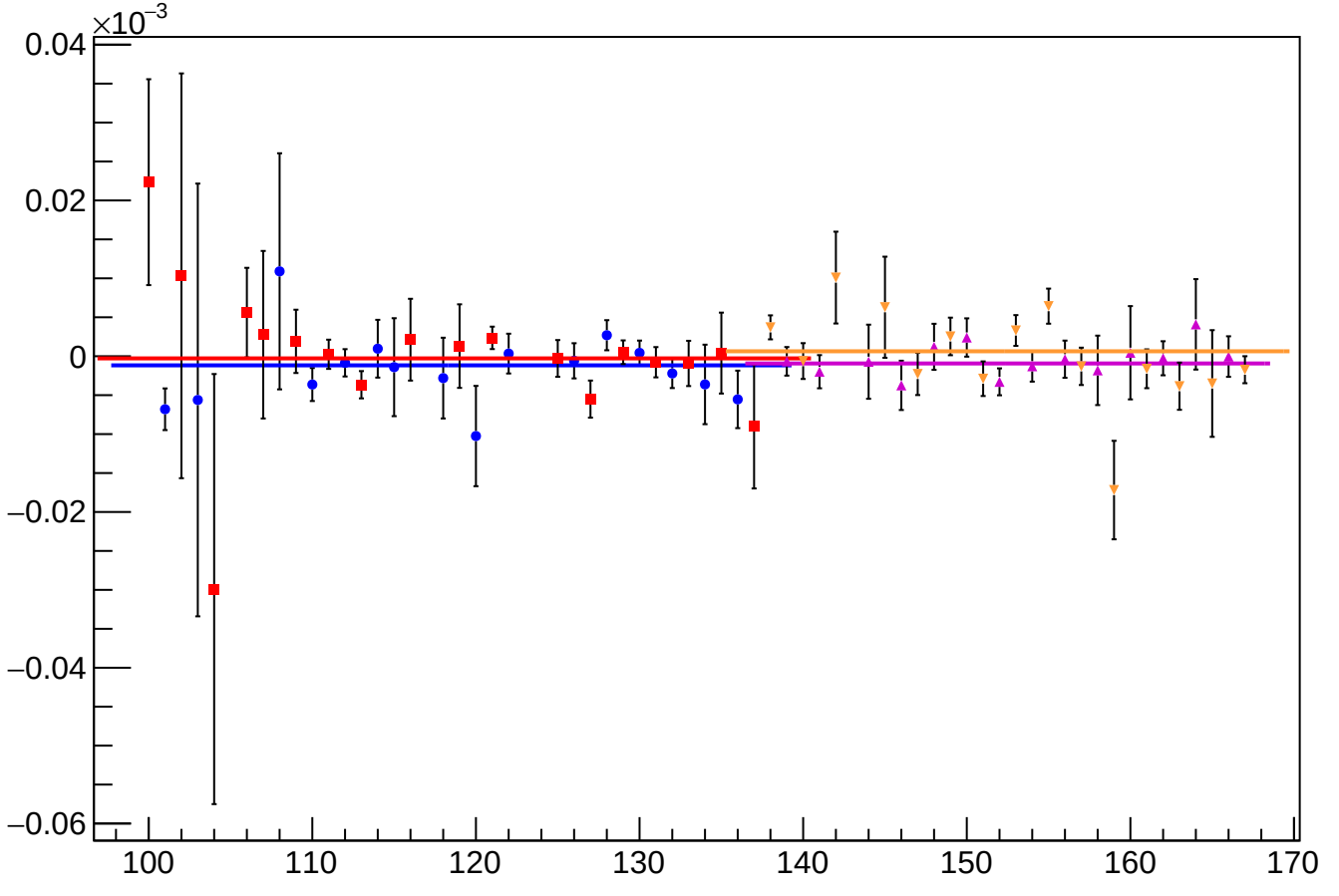
Left: 57.661+/-0.010 χ^2/NDF: 2546658.8/28

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.272+/-0.012 χ^2/NDF:3318012.0/29

Out: 59.890+/-0.011 χ^2/NDF:4903113.4/32

All: 61.067+/-0.008 χ^2/NDF: 8242436.7/62



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:6.4/13

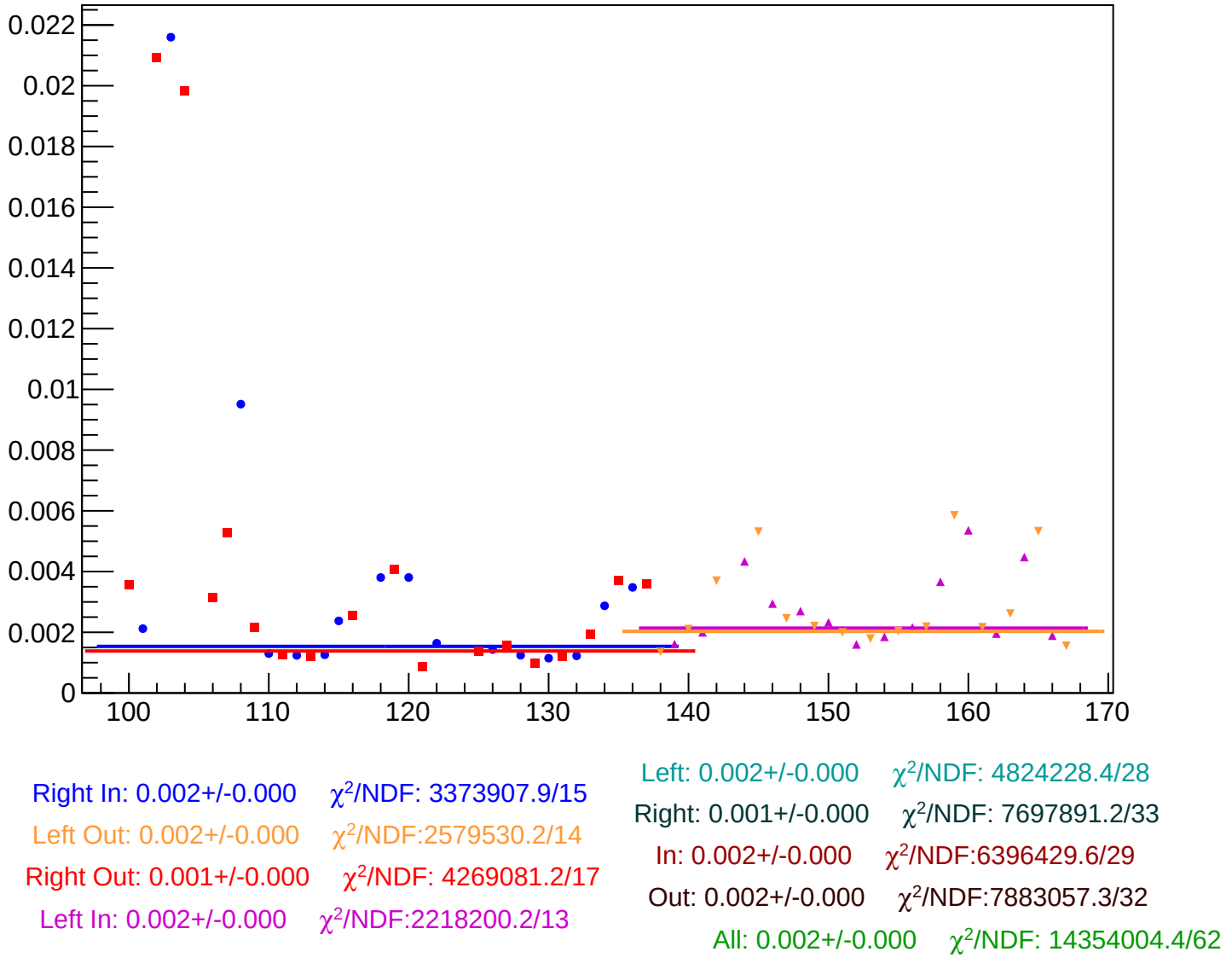
Left: -0.000+/-0.000 χ^2/NDF: 43.4/28

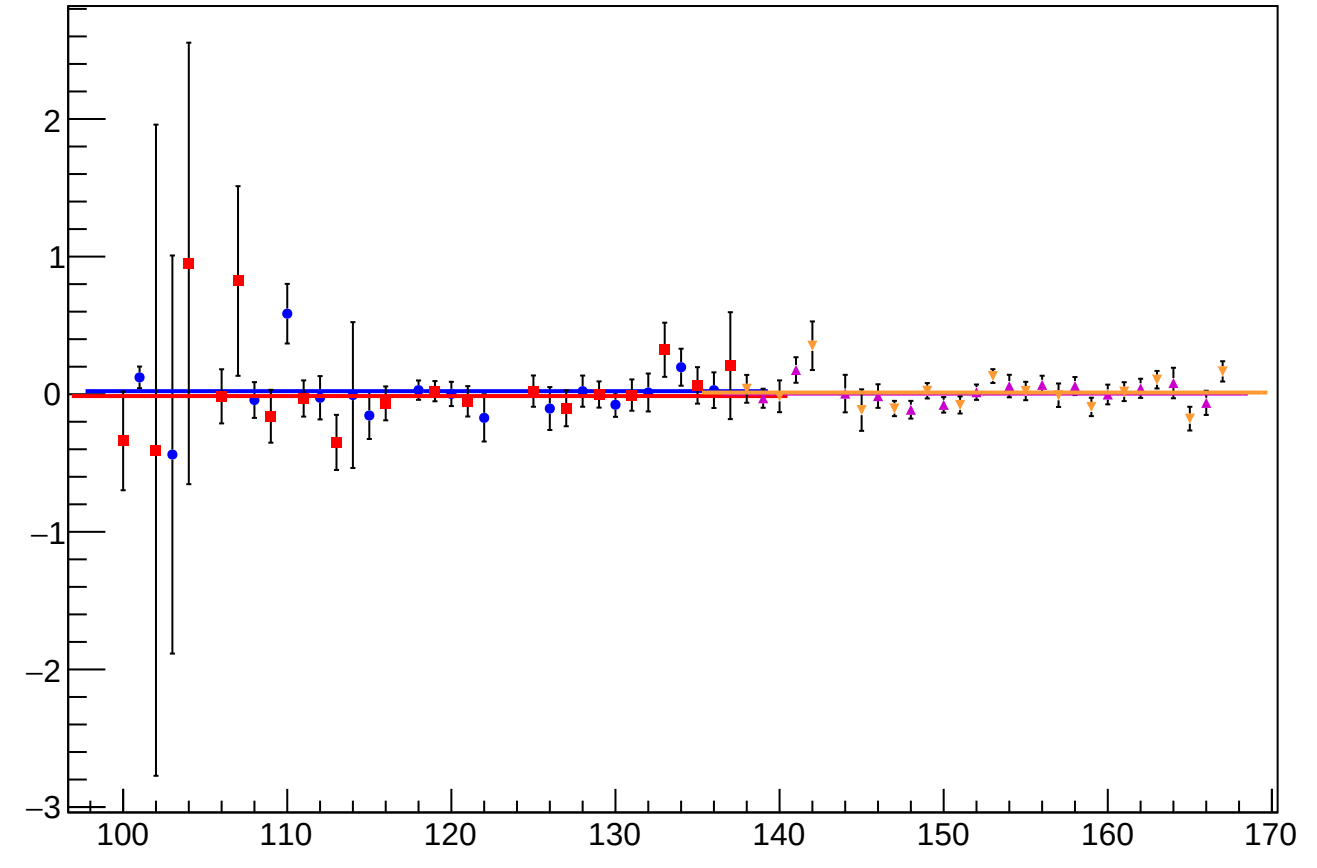
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:22.8/29

Out: 0.000+/-0.000 χ^2/NDF:54.7/32

All: -0.000+/-0.000 χ^2/NDF: 81.0/62


asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 3373907.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2579530.2/14
Right Out: 0.001+/-0.000 χ²/NDF: 4269081.2/17
Left In: 0.002+/-0.000 χ²/NDF:2218200.2/13
Left: 0.002+/-0.000 χ²/NDF: 4824228.4/28
Right: 0.001+/-0.000 χ²/NDF: 7697891.2/33
In: 0.002+/-0.000 χ²/NDF:6396429.6/29
Out: 0.002+/-0.000 χ²/NDF:7883057.3/32
All: 0.002+/-0.000 χ²/NDF: 14354004.4/62



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.019 χ^2/NDF:30.6/14

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.004+/-0.020 χ^2/NDF:12.6/13

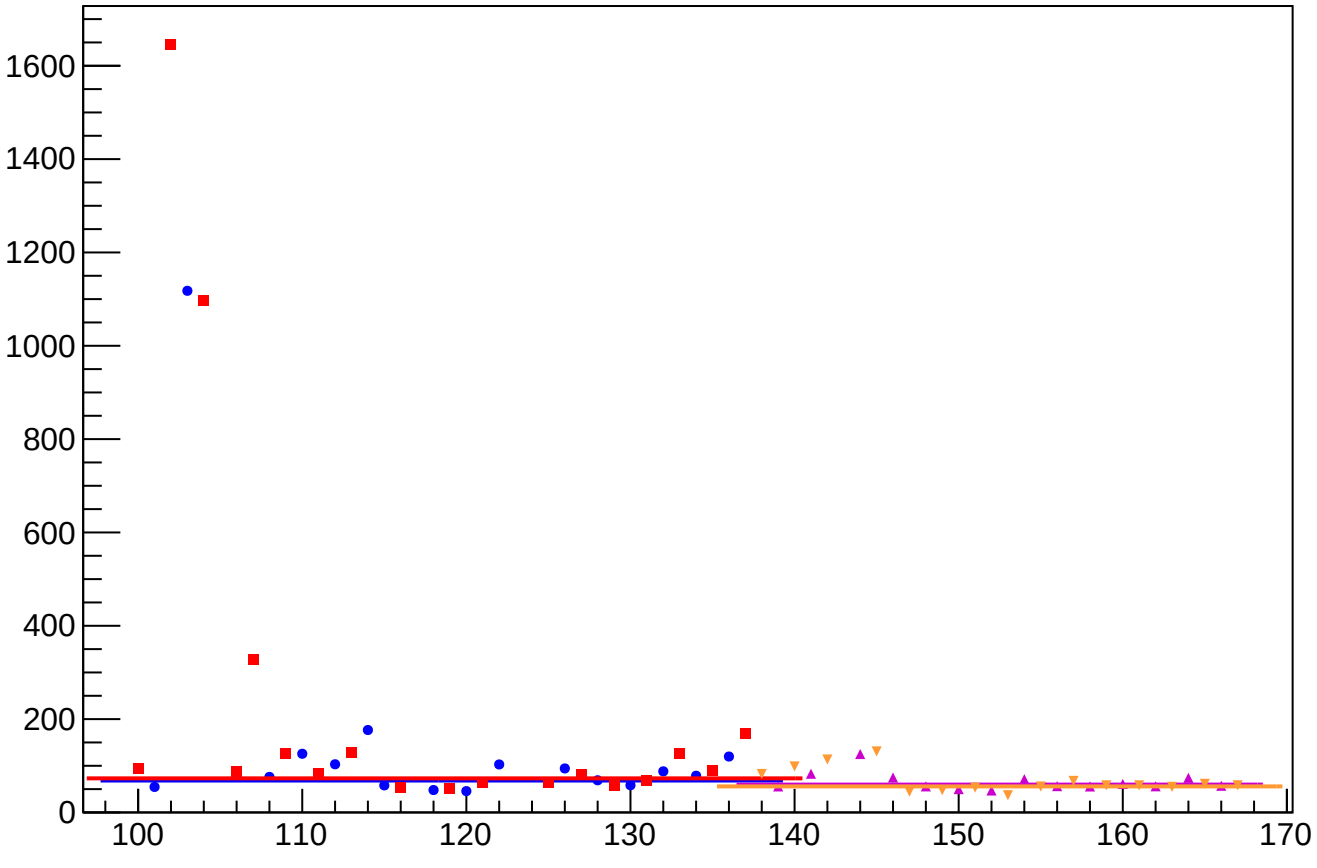
Left: 0.009+/-0.013 χ^2/NDF: 43.3/28

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.010+/-0.016 χ^2/NDF:27.6/29

Out: 0.006+/-0.016 χ^2/NDF:41.9/32

All: 0.008+/-0.012 χ^2/NDF: 69.6/62



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.847+/-0.013 χ^2/NDF:1584864.3/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.681+/-0.014 χ^2/NDF:921385.5/13

Left: 57.661+/-0.010 χ^2/NDF: 2546716.6/28

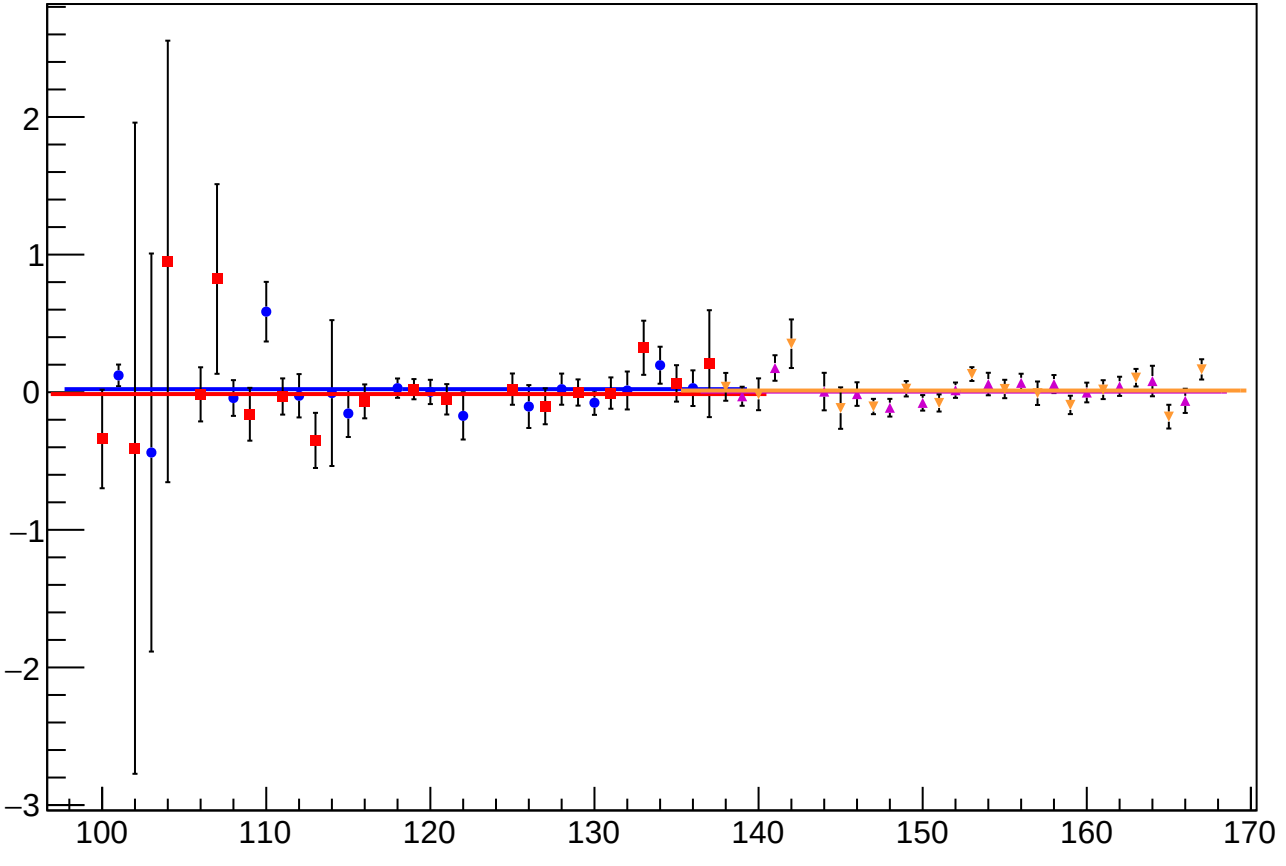
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.272+/-0.012 χ^2/NDF:3318041.1/29

Out: 59.890+/-0.011 χ^2/NDF:4903185.0/32

All: 61.067+/-0.008 χ^2/NDF: 8242539.1/62

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.019 χ^2/NDF:30.6/14

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.004+/-0.020 χ^2/NDF:12.6/13

Left: 0.009+/-0.013 χ^2/NDF: 43.3/28

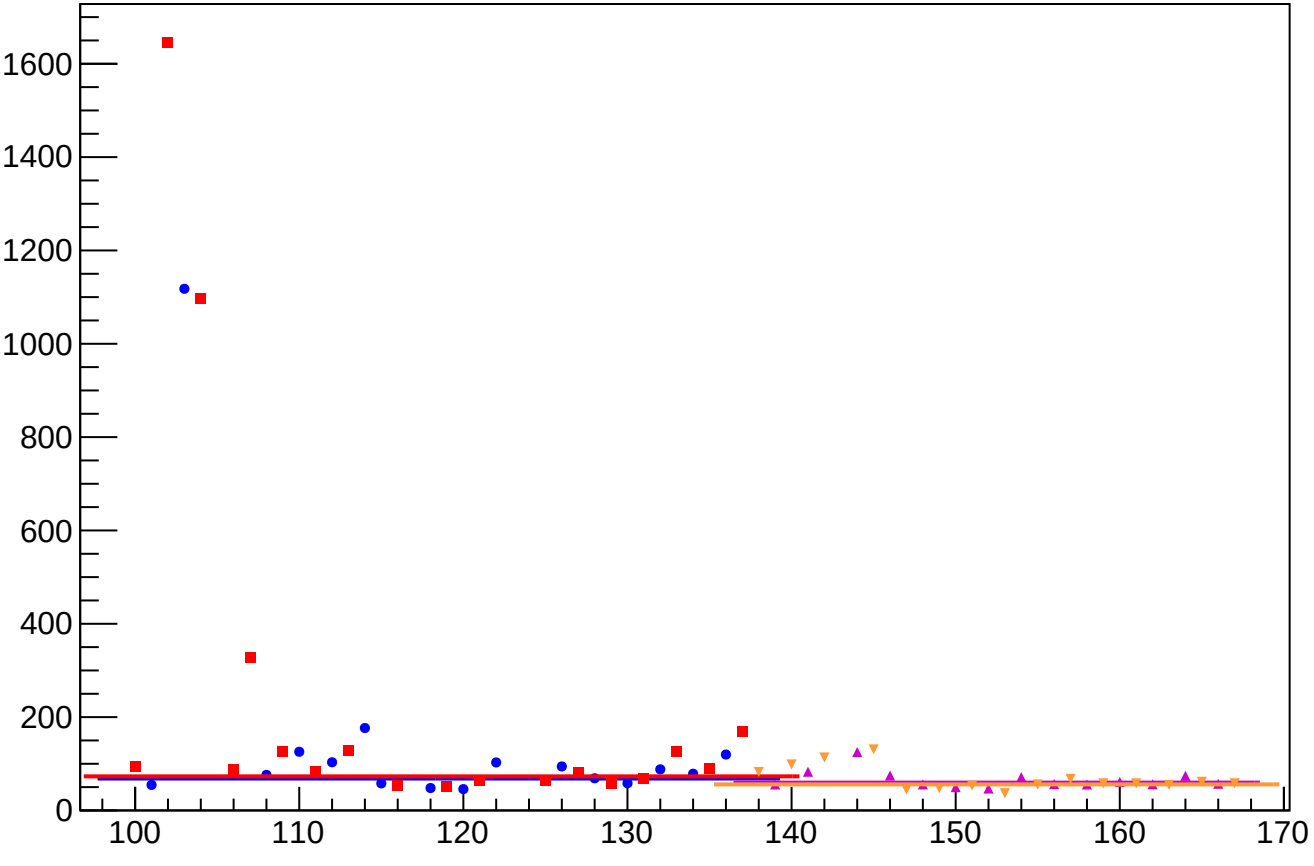
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.010+/-0.016 χ^2/NDF:27.6/29

Out: 0.006+/-0.016 χ^2/NDF:41.9/32

All: 0.008+/-0.012 χ^2/NDF: 69.6/62

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.847+/-0.013 χ^2/NDF:1584864.3/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.681+/-0.014 χ^2/NDF:921385.5/13

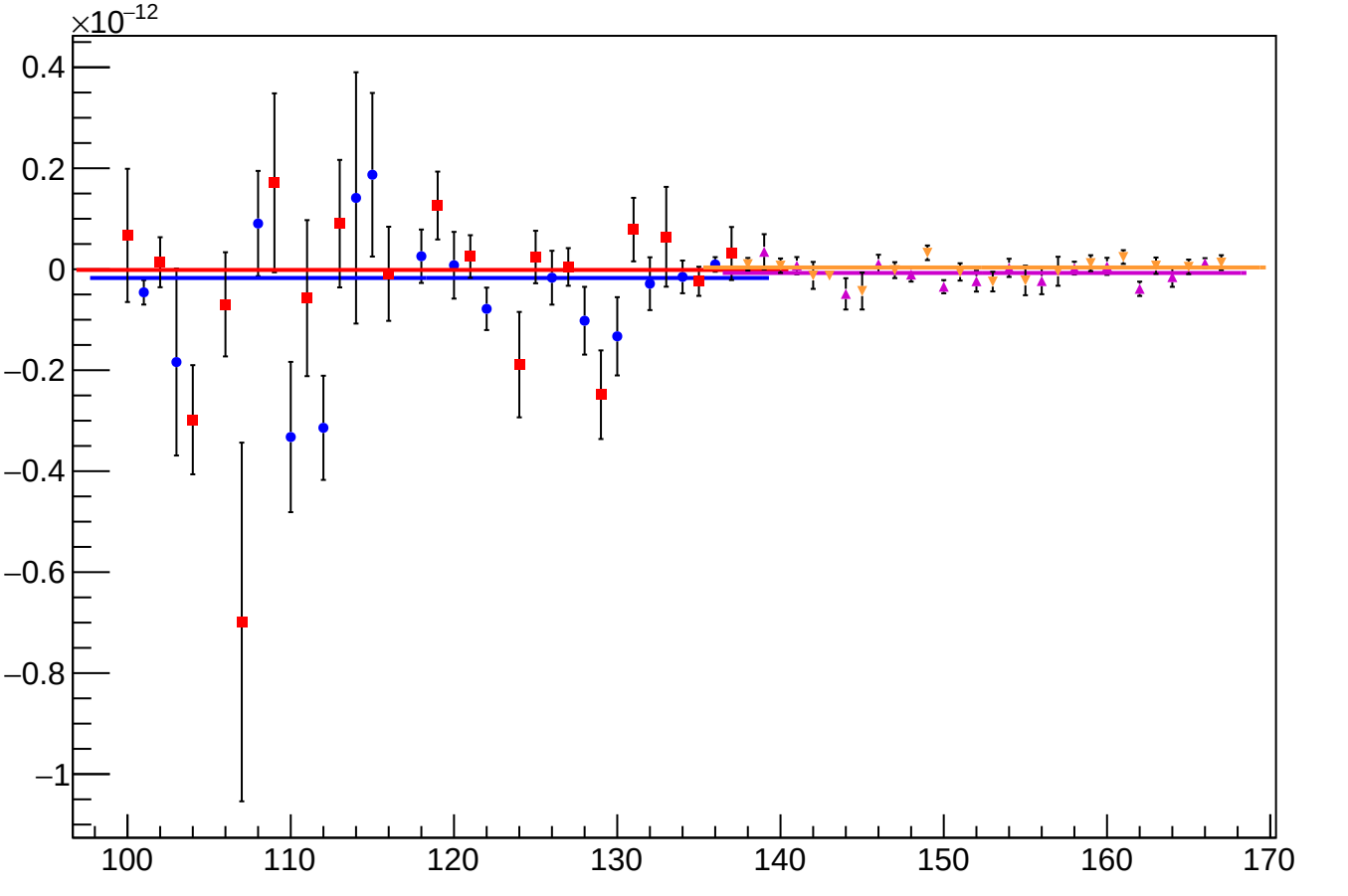
Left: 57.661+/-0.010 χ^2/NDF: 2546716.6/28

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.272+/-0.012 χ^2/NDF:3318041.1/29

Out: 59.890+/-0.011 χ^2/NDF:4903185.0/32

All: 61.067+/-0.008 χ^2/NDF: 8242539.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:20.3/13

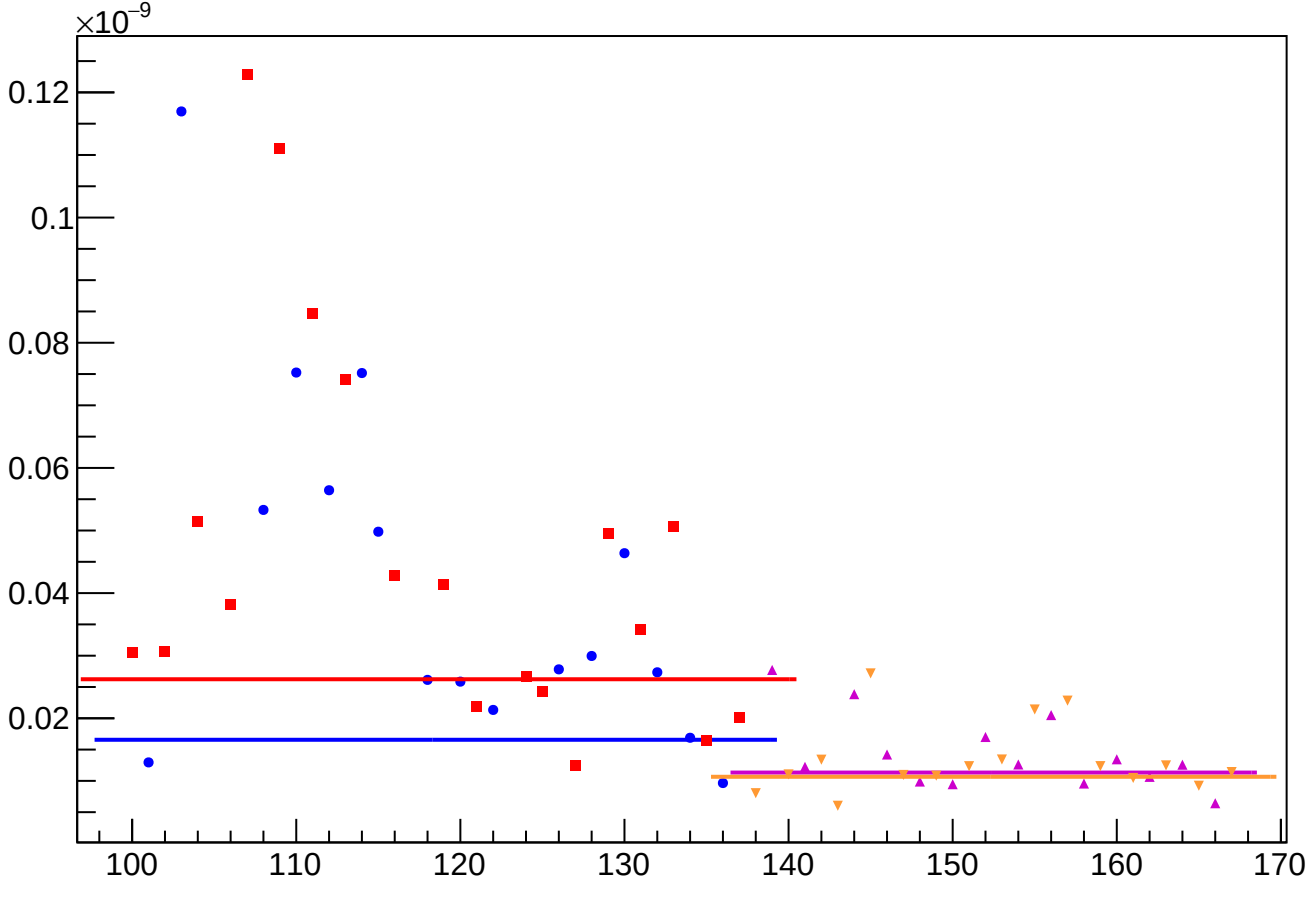
Left: -0.000+/-0.000 χ^2/NDF: 39.5/29

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:49.4/29

Out: 0.000+/-0.000 χ^2/NDF:48.1/34

All: -0.000+/-0.000 χ^2/NDF: 102.4/64



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1773045.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1840732.0/13

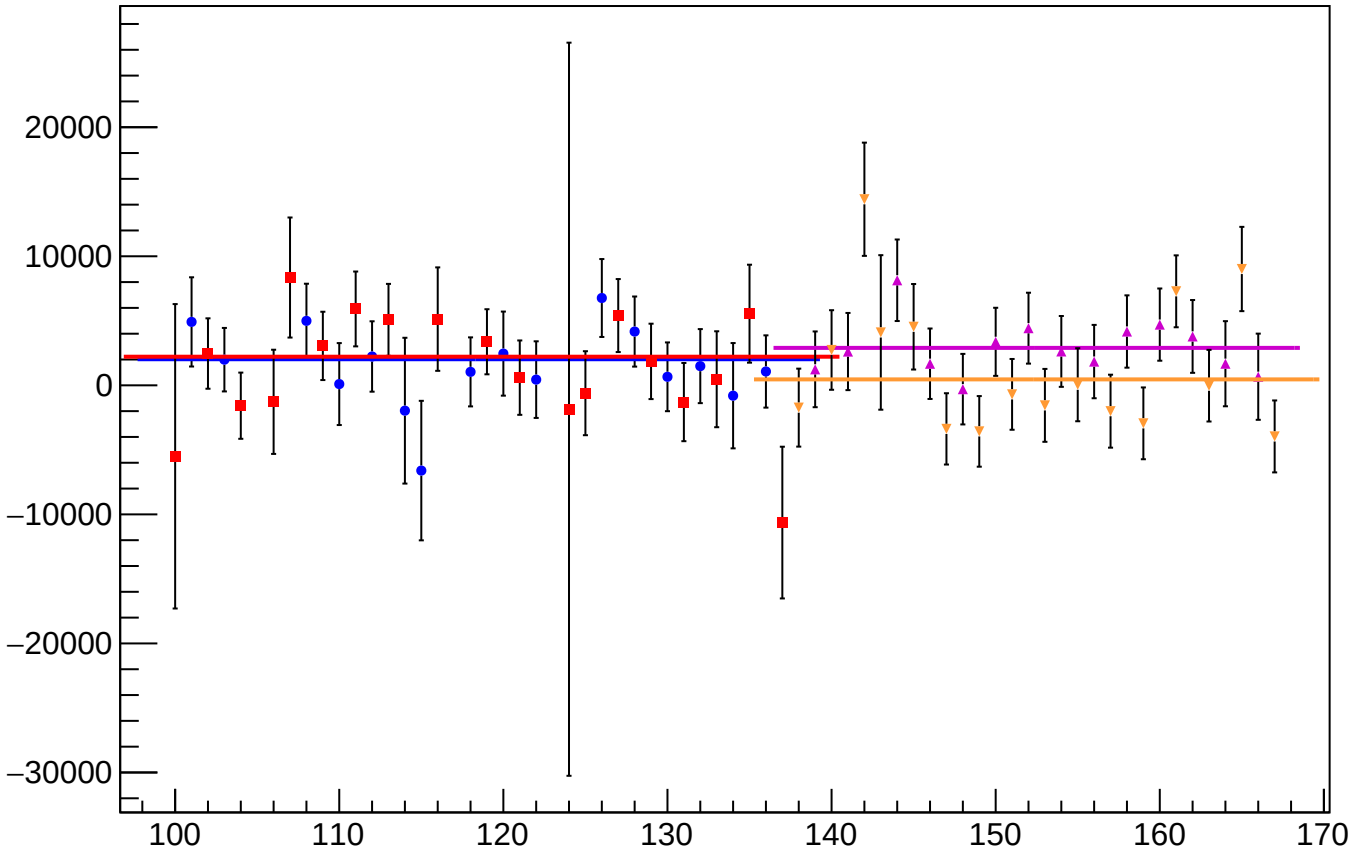
Left: 0.000+/-0.000 χ^2/NDF: 3640287.4/29

Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:5126905.5/29

Out: 0.000+/-0.000 χ^2/NDF:6340107.8/34

All: 0.000+/-0.000 χ^2/NDF: 11478050.1/64



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 460.006+/-751.871 χ^2/NDF:35.5/15

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2901.428+/-768.913 χ^2/NDF:6.4/13

Left: 1653.360+/-537.577 χ^2/NDF: 47.1/29

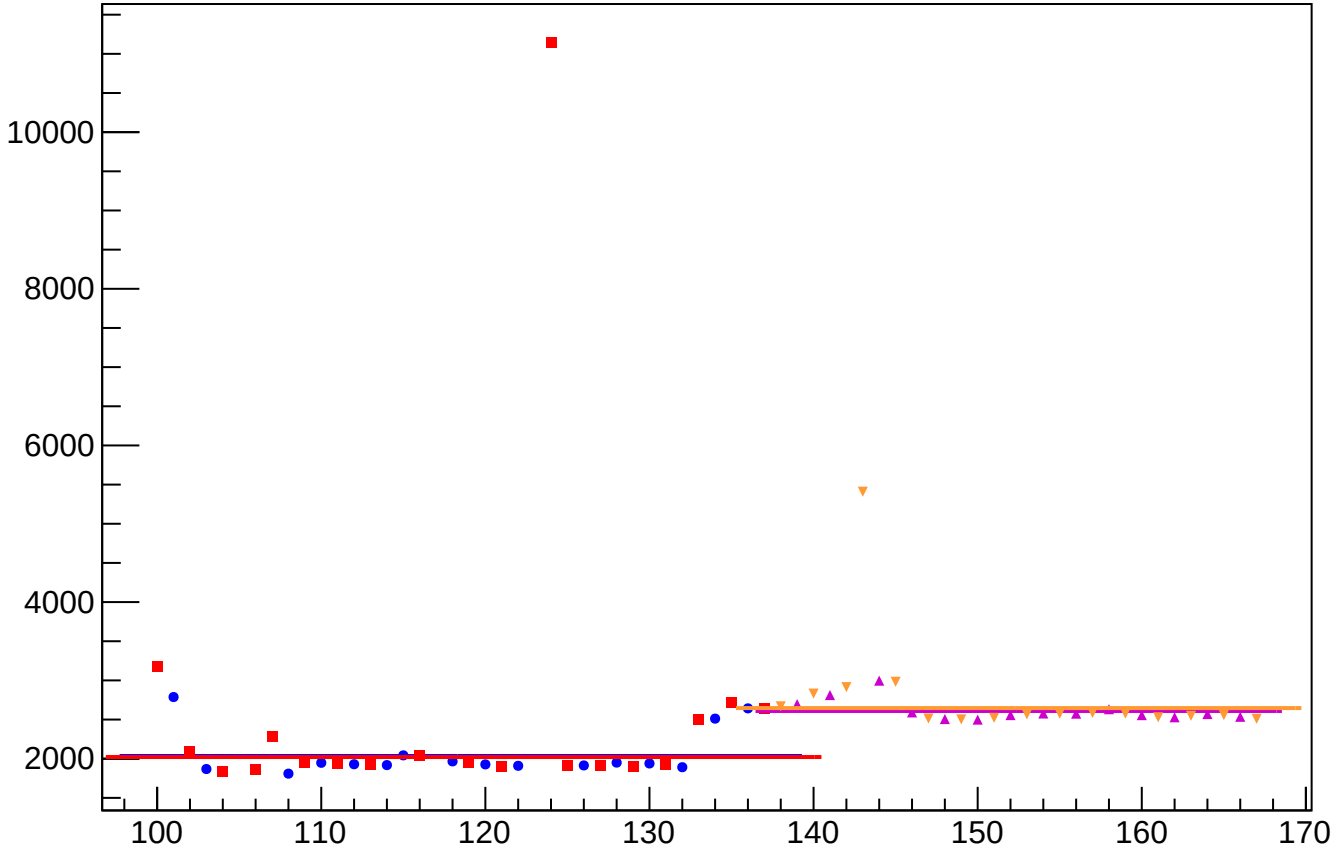
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2459.447+/-542.086 χ^2/NDF:16.7/29

Out: 1333.659+/-533.156 χ^2/NDF:56.4/34

All: 1887.204+/-380.116 χ^2/NDF: 75.3/64

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2646.574+/-0.532 χ^2/NDF:493113.2/15

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2609.565+/-0.544 χ^2/NDF:52530.9/13

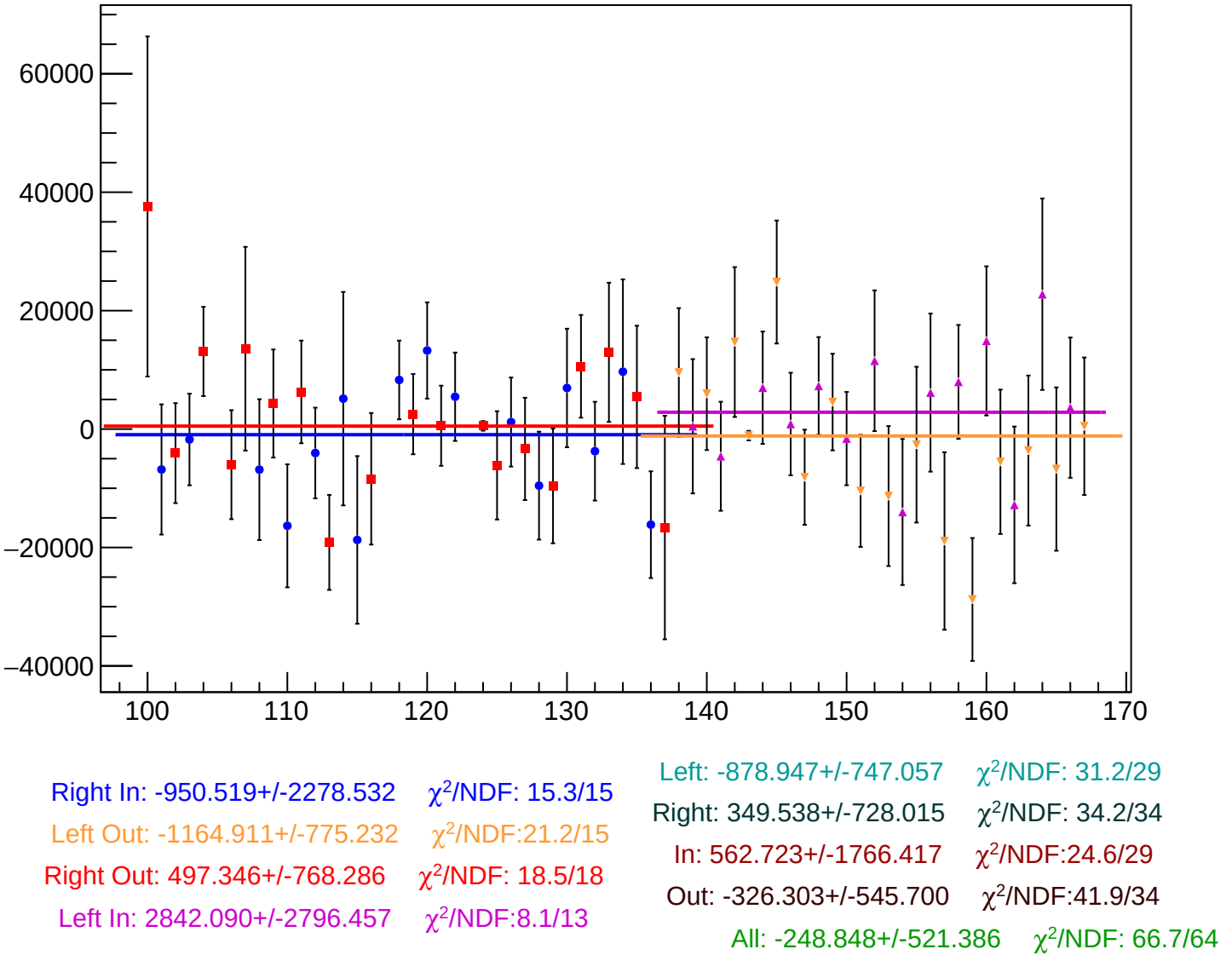
Left: 2628.484+/-0.380 χ^2/NDF: 548012.6/29

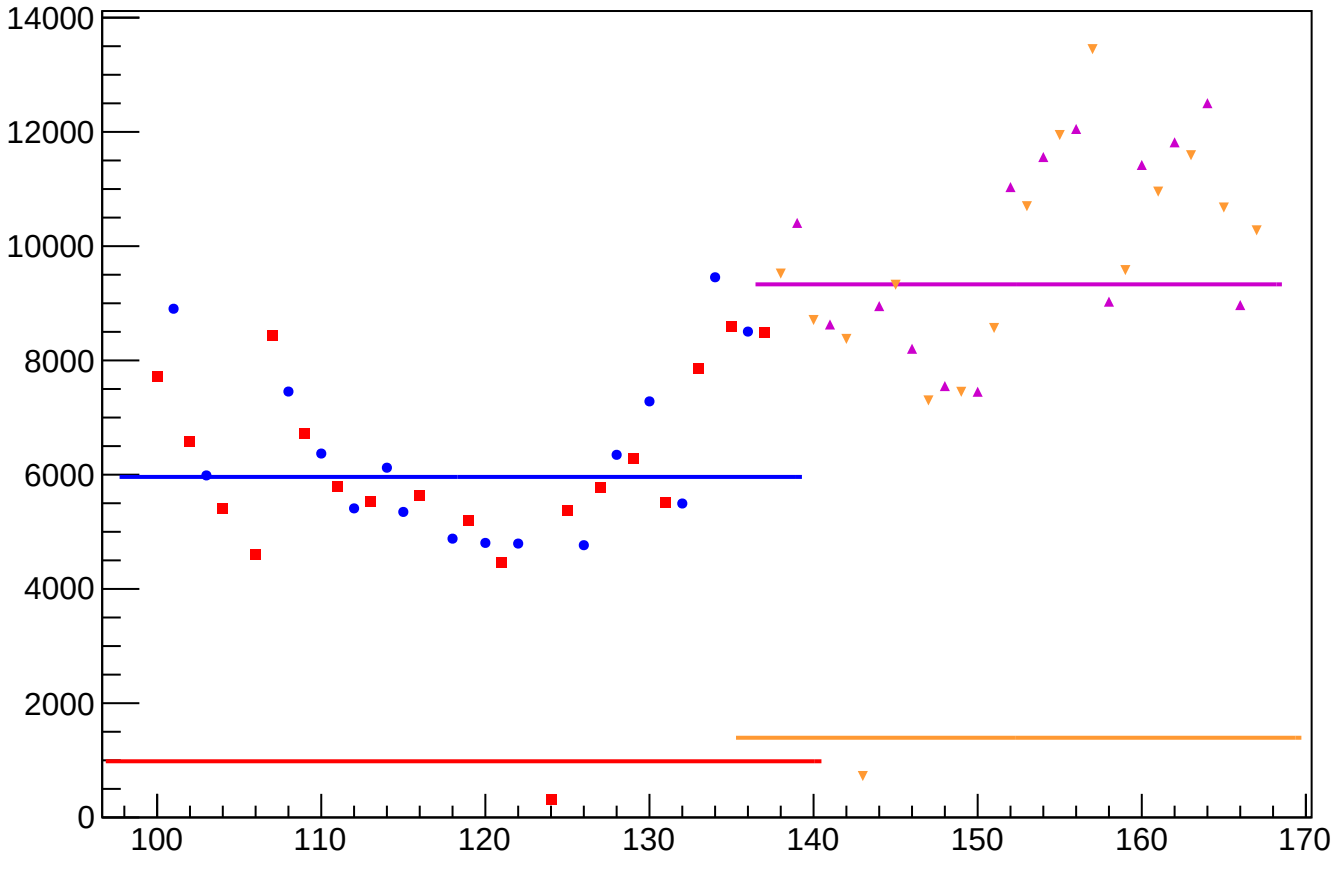
Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2320.152+/-0.383 χ^2/NDF:878827.4/29

Out: 2335.829+/-0.377 χ^2/NDF:1570580.0/34

All: 2328.120+/-0.269 χ^2/NDF: 2450257.7/64


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1164.911+/-775.232 χ²/NDF:21.2/15
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 2842.090+/-2796.457 χ²/NDF:8.1/13
Left: -878.947+/-747.057 χ²/NDF: 31.2/29
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: 562.723+/-1766.417 χ²/NDF:24.6/29
Out: -326.303+/-545.700 χ²/NDF:41.9/34
All: -248.848+/-521.386 χ²/NDF: 66.7/64



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1395.218+/-0.548 χ^2/NDF:18445362.4/15

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9331.620+/-1.977 χ^2/NDF:669860.8/13

Left: 1961.607+/-0.528 χ^2/NDF: 34074326.4/29

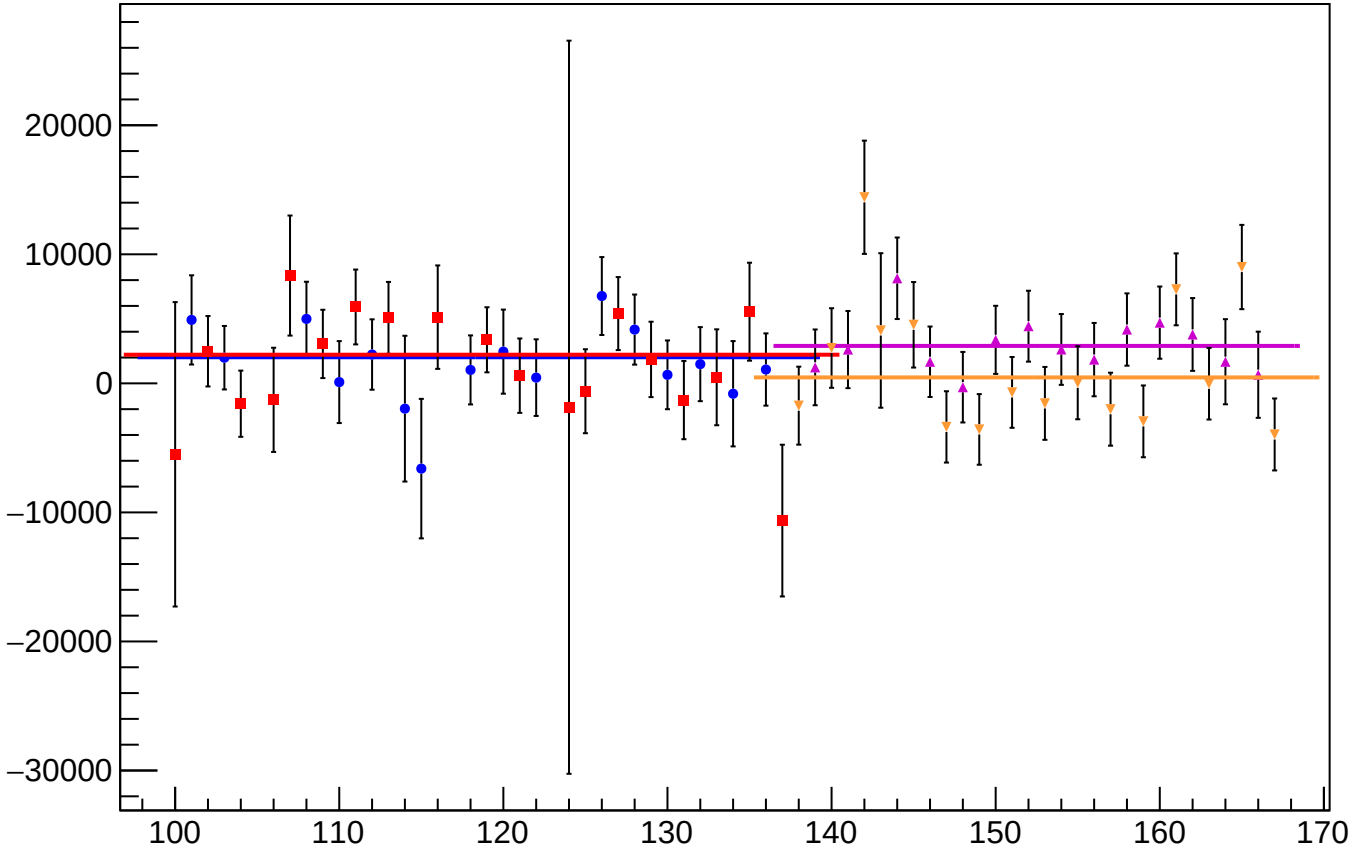
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7305.750+/-1.249 χ^2/NDF:3105596.2/29

Out: 1187.414+/-0.386 χ^2/NDF:30146900.9/34

All: 1720.462+/-0.369 χ^2/NDF: 55156446.3/6

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 460.060+/-751.871 χ^2/NDF:35.5/15

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2901.587+/-768.913 χ^2/NDF:6.5/13

Left: 1653.466+/-537.577 χ^2/NDF: 47.2/29

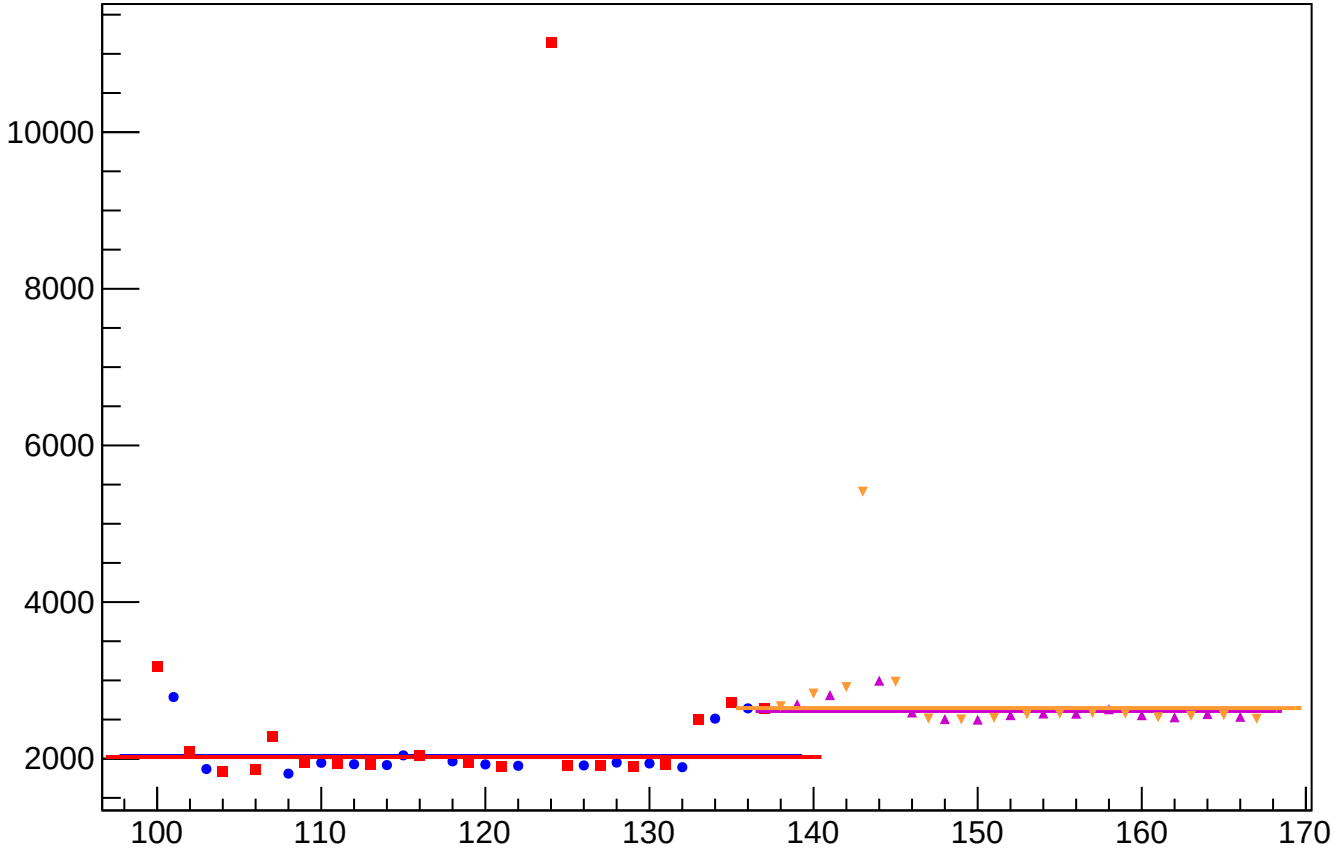
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2459.590+/-542.086 χ^2/NDF:16.7/29

Out: 1334.592+/-533.158 χ^2/NDF:56.4/34

All: 1887.751+/-380.117 χ^2/NDF: 75.3/64

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2646.574+/-0.532 χ^2/NDF:493113.1/15

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2609.565+/-0.544 χ^2/NDF:52530.9/13

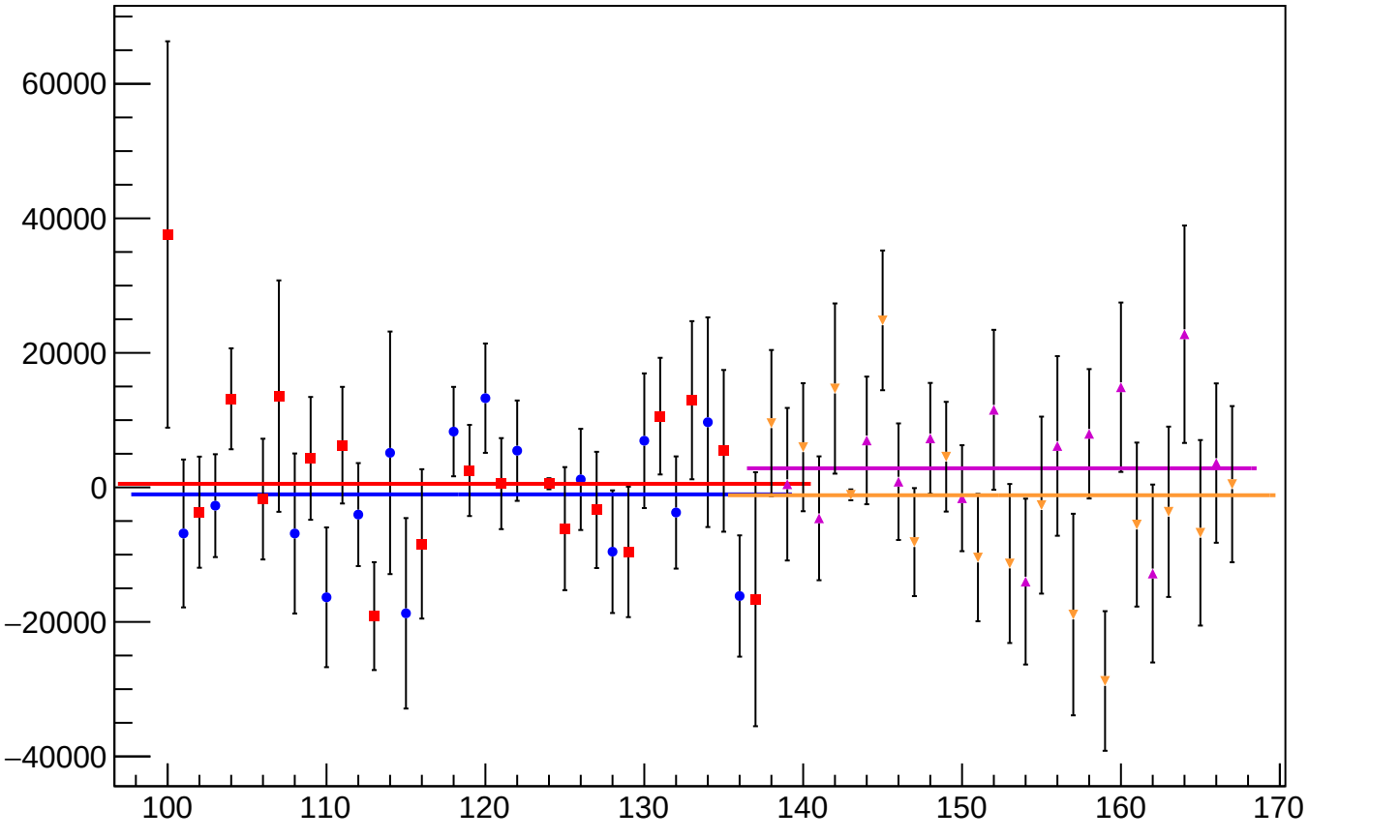
Left: 2628.484+/-0.380 χ^2/NDF: 548012.6/29

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2320.152+/-0.383 χ^2/NDF:878827.6/29

Out: 2335.842+/-0.377 χ^2/NDF:1570537.5/34

All: 2328.127+/-0.269 χ^2/NDF: 2450216.8/64



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1164.663+/-775.163 χ^2/NDF:21.2/15

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2842.259+/-2796.455 χ^2/NDF:8.1/13

Left: -878.752+/-746.995 χ^2/NDF: 31.2/29

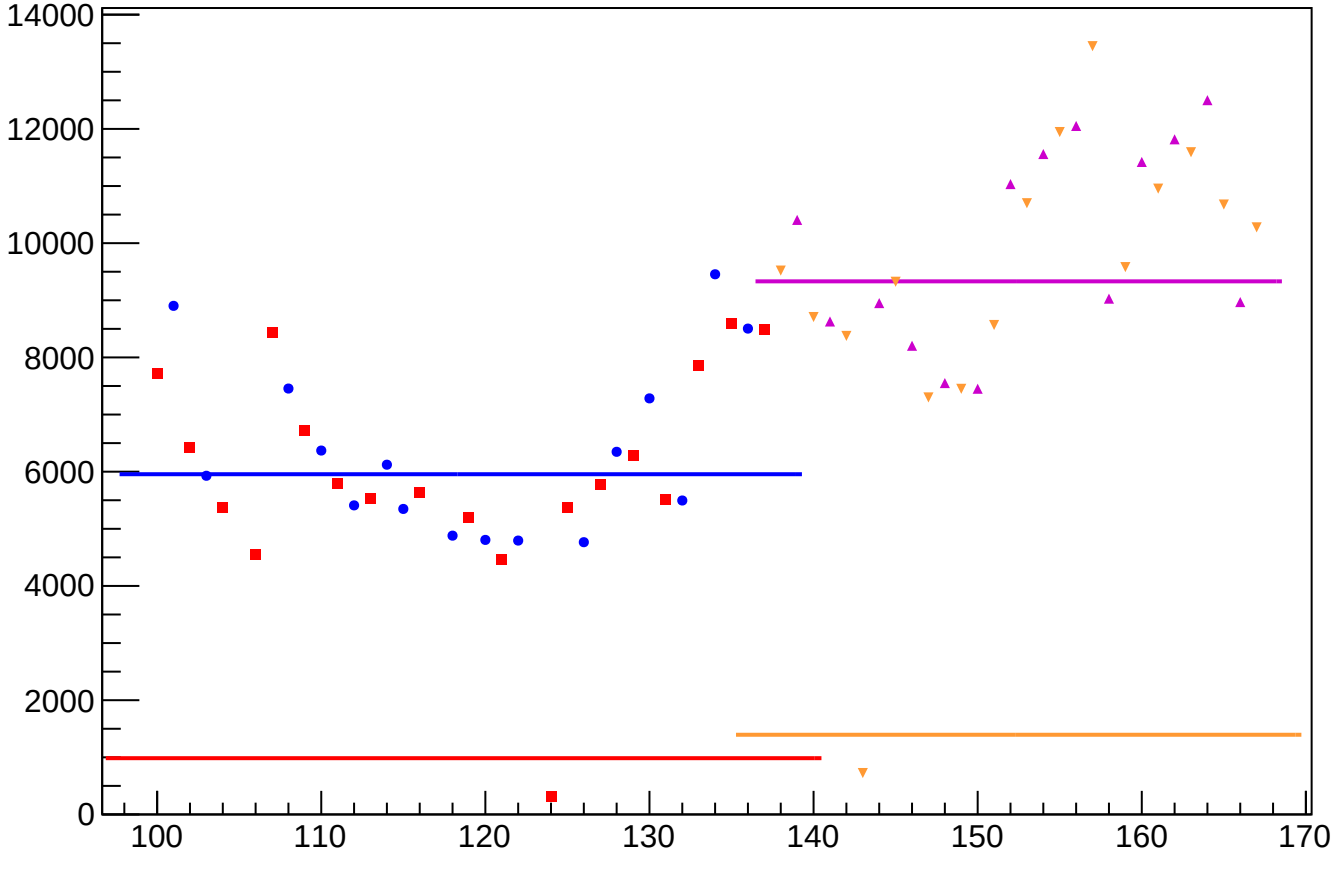
Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 508.329+/-1765.320 χ^2/NDF:24.7/29

Out: -309.074+/-545.554 χ^2/NDF:41.6/34

All: -237.813+/-521.231 χ^2/NDF: 66.5/64

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1395.035+/-0.548 χ^2/NDF:18445910.8/15

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9331.610+/-1.977 χ^2/NDF:669866.7/13

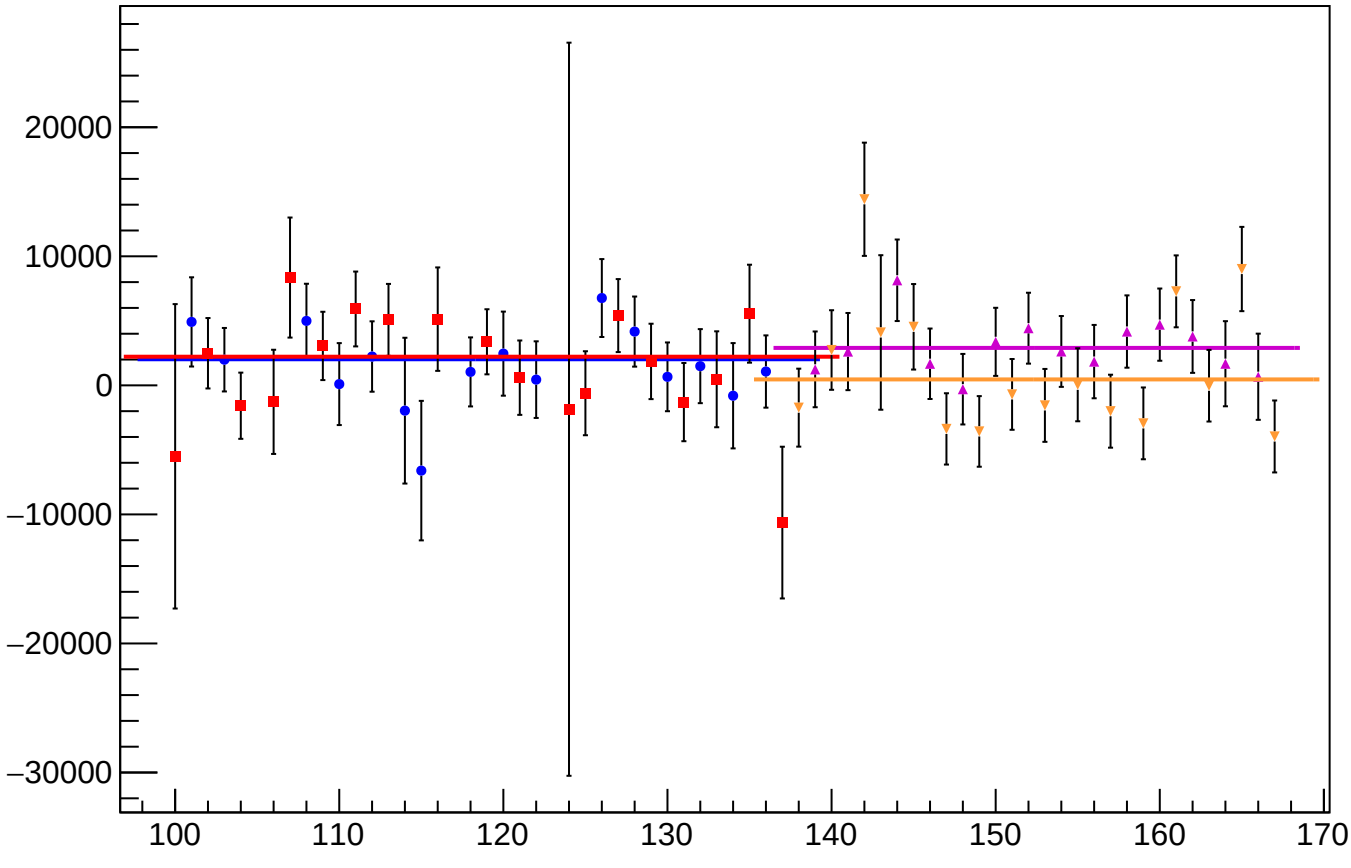
Left: 1961.344+/-0.528 χ^2/NDF: 34075752.2/29

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7300.973+/-1.248 χ^2/NDF:3112265.8/29

Out: 1188.123+/-0.386 χ^2/NDF:30141114.2/34

All: 1721.037+/-0.369 χ^2/NDF: 55143897.1/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 460.060+/-751.871 χ^2/NDF:35.5/15

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2901.587+/-768.913 χ^2/NDF:6.5/13

Left: 1653.466+/-537.577 χ^2/NDF: 47.2/29

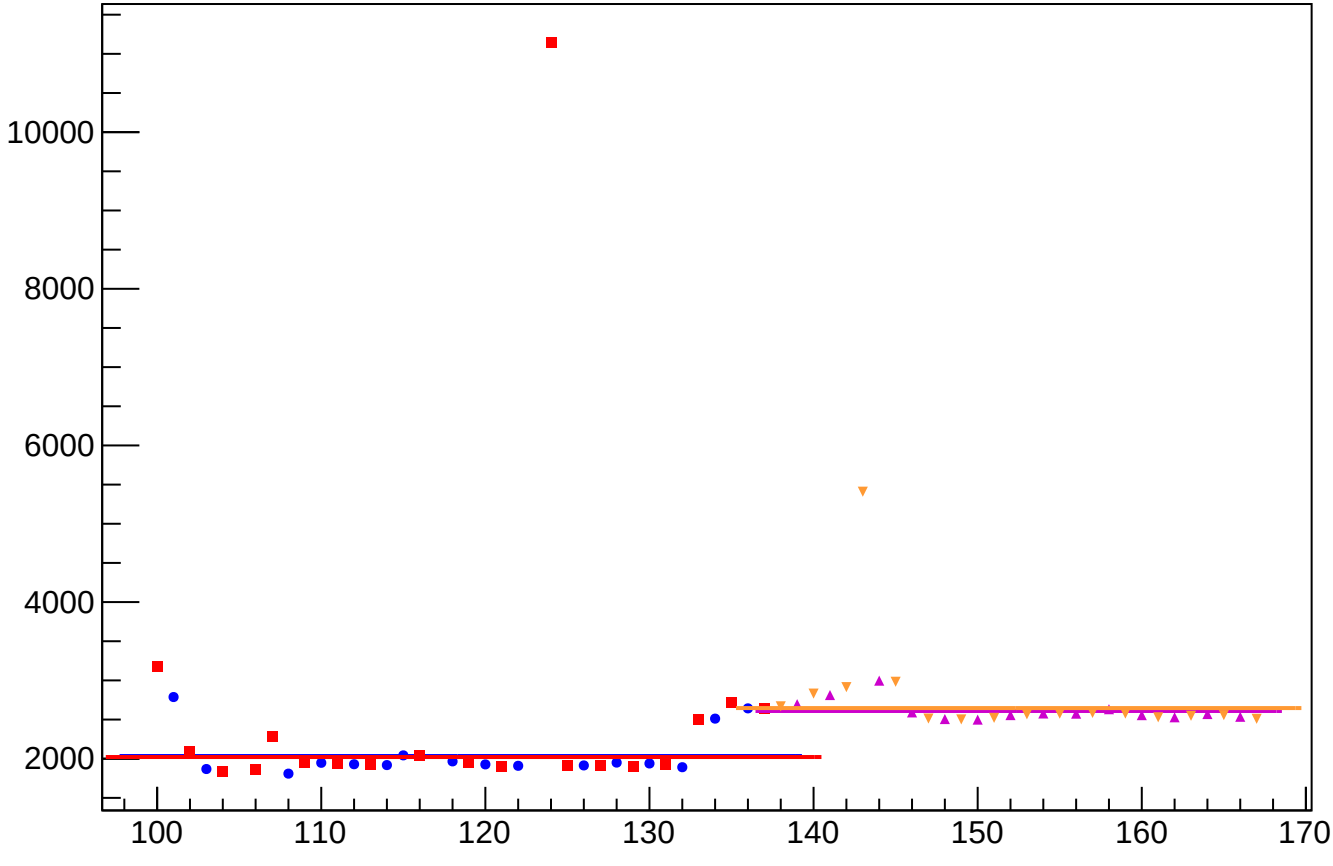
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2459.590+/-542.086 χ^2/NDF:16.7/29

Out: 1334.592+/-533.158 χ^2/NDF:56.4/34

All: 1887.751+/-380.117 χ^2/NDF: 75.3/64

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2646.574+/-0.532 χ^2/NDF:493113.1/15

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2609.565+/-0.544 χ^2/NDF:52530.9/13

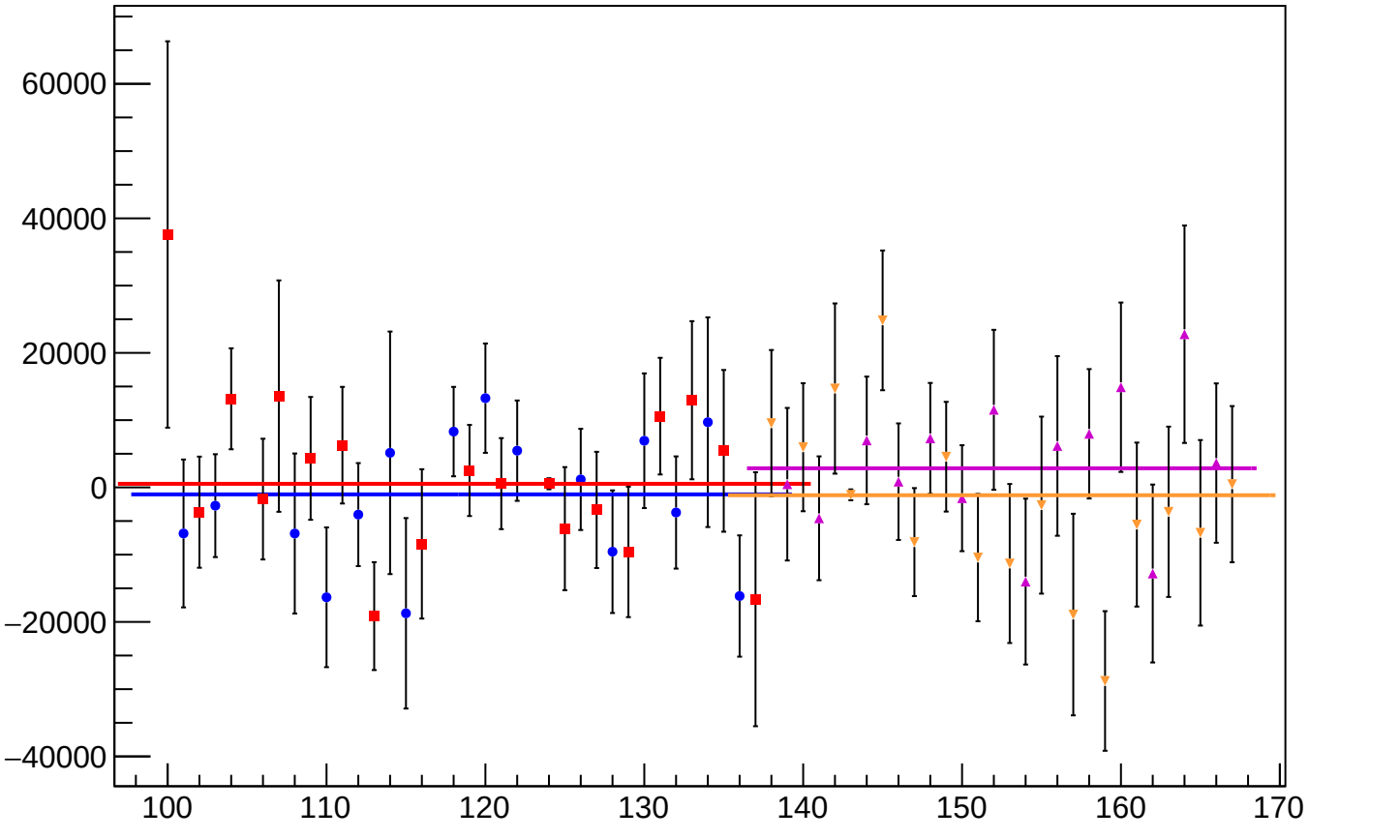
Left: 2628.484+/-0.380 χ^2/NDF: 548012.6/29

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2320.152+/-0.383 χ^2/NDF:878827.6/29

Out: 2335.842+/-0.377 χ^2/NDF:1570537.5/34

All: 2328.127+/-0.269 χ^2/NDF: 2450216.8/64



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1164.663+/-775.163 χ^2/NDF:21.2/15

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2842.259+/-2796.455 χ^2/NDF:8.1/13

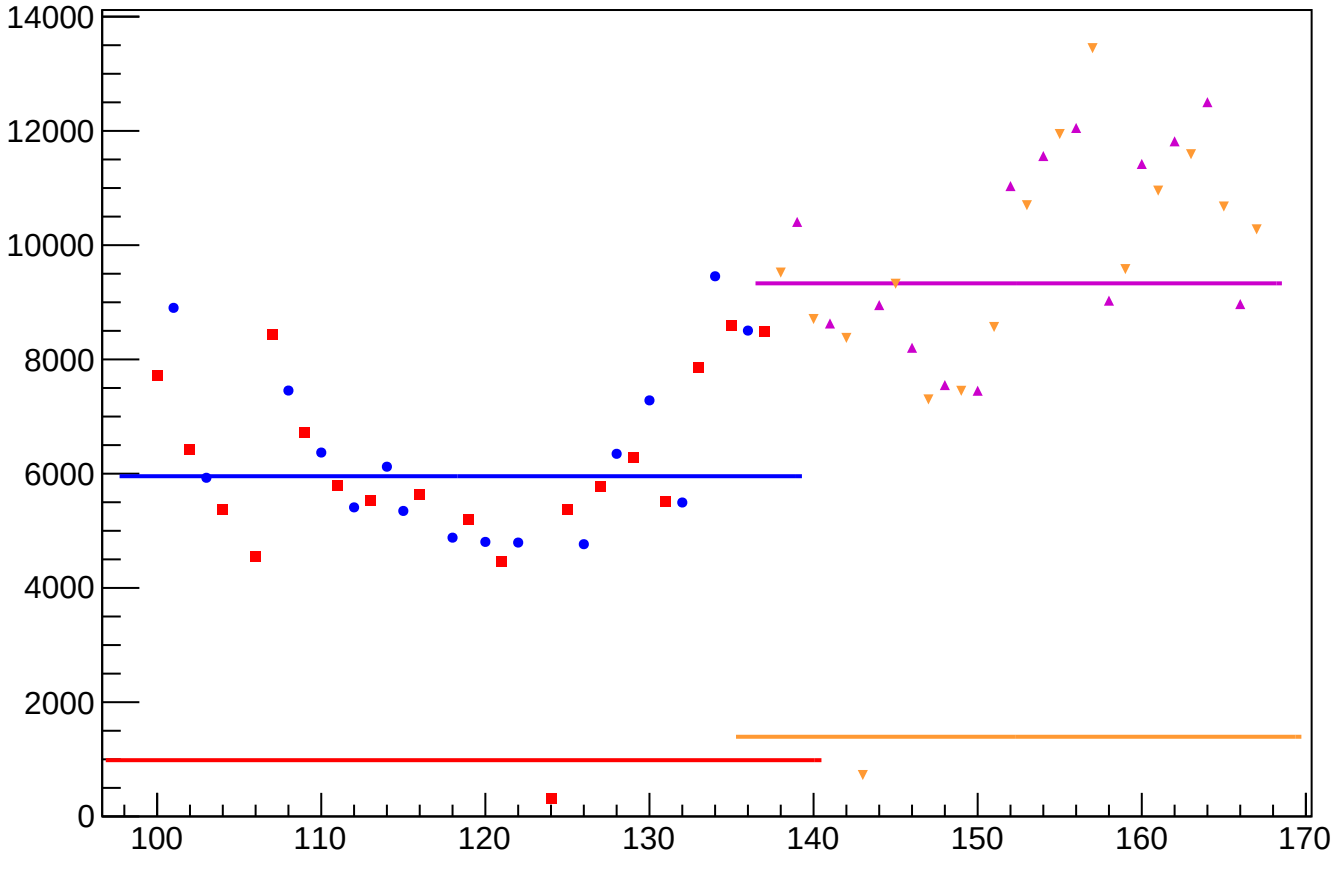
Left: -878.752+/-746.995 χ^2/NDF: 31.2/29

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 508.329+/-1765.320 χ^2/NDF:24.7/29

Out: -309.074+/-545.554 χ^2/NDF:41.6/34

All: -237.813+/-521.231 χ^2/NDF: 66.5/64



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1395.035+/-0.548 χ^2/NDF:18445910.8/15

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9331.610+/-1.977 χ^2/NDF:669866.7/13

Left: 1961.344+/-0.528 χ^2/NDF: 34075752.2/29

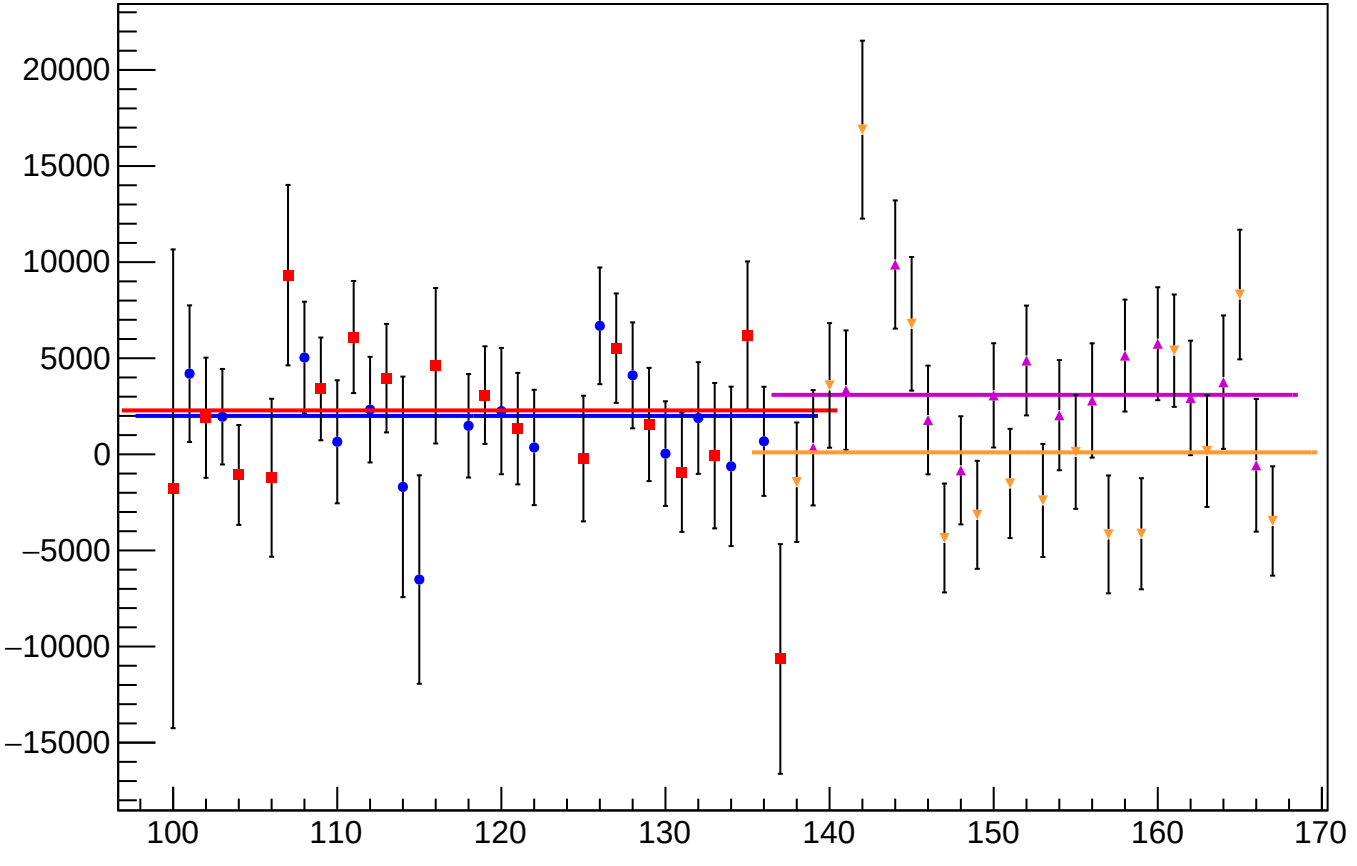
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7300.973+/-1.248 χ^2/NDF:3112265.8/29

Out: 1188.123+/-0.386 χ^2/NDF:30141114.2/34

All: 1721.037+/-0.369 χ^2/NDF: 55143897.1/6

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 103.262+/-789.117 χ^2/NDF:38.0/14

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 3096.045+/-799.947 χ^2/NDF:10.2/13

Left: 1579.257+/-561.780 χ^2/NDF: 55.2/28

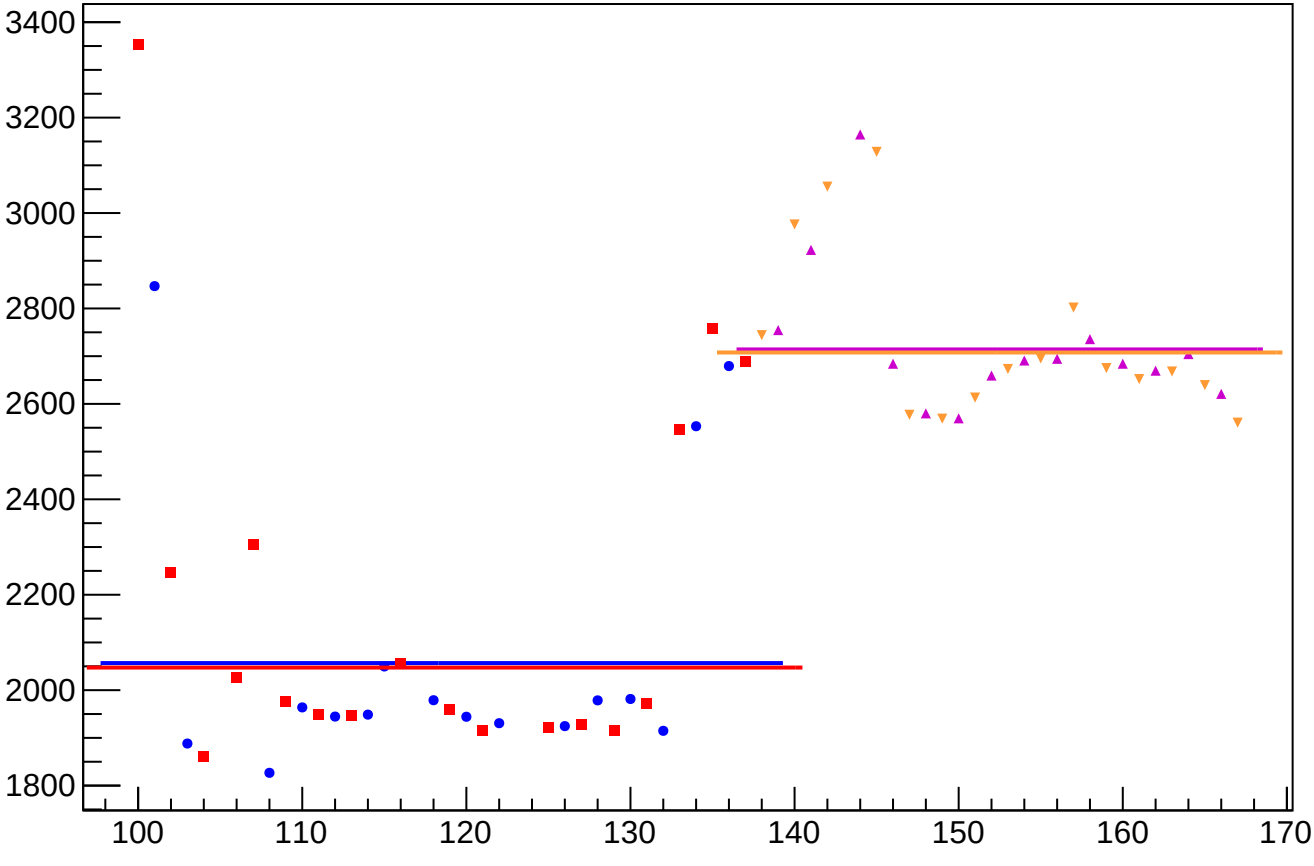
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2529.225+/-556.076 χ^2/NDF:20.1/29

Out: 1219.501+/-551.582 χ^2/NDF:58.6/32

All: 1869.050+/-391.607 χ^2/NDF: 81.5/62

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2707.745+/-0.558 χ^2/NDF:75550.7/14

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2714.157+/-0.566 χ^2/NDF:59478.1/13

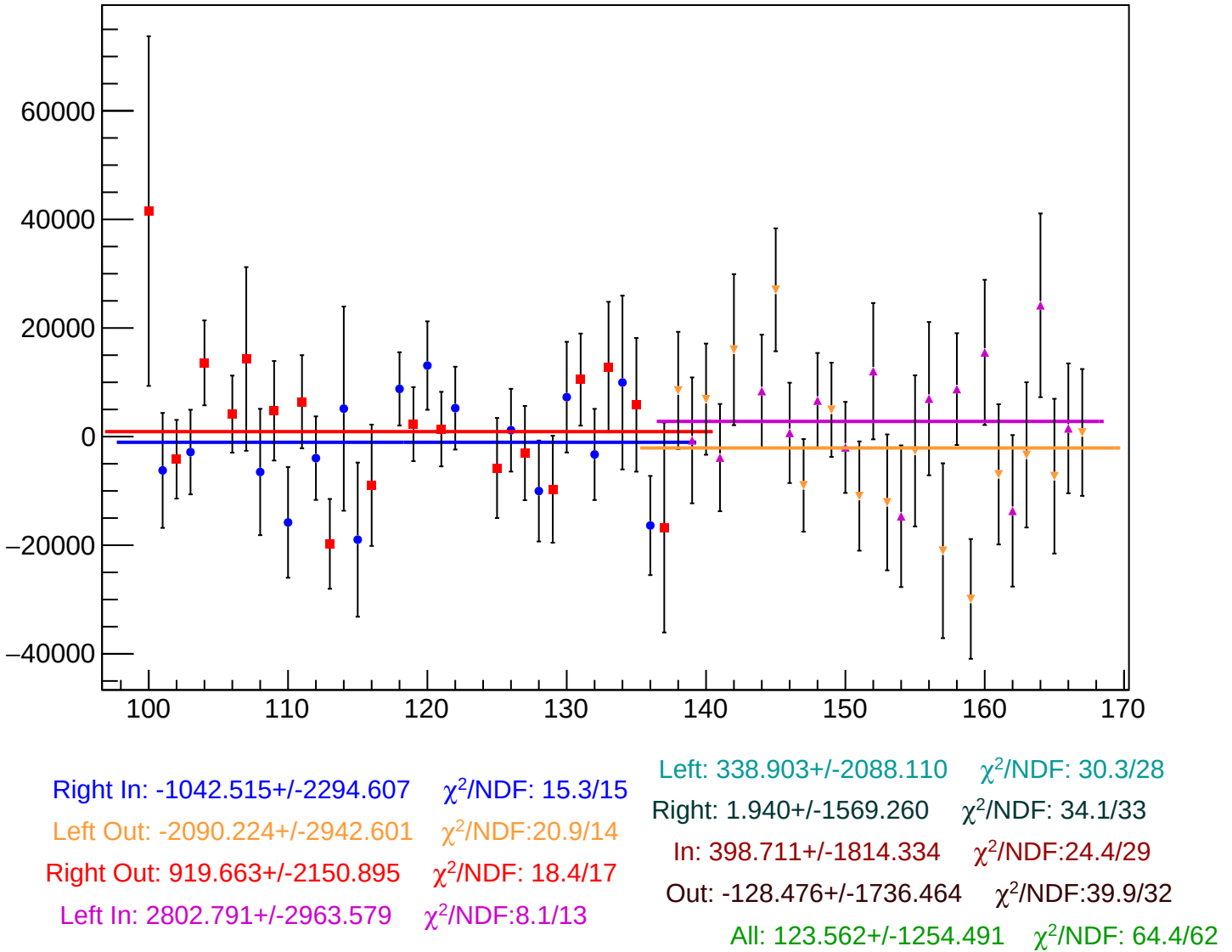
Left: 2710.908+/-0.397 χ^2/NDF: 135093.9/28

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

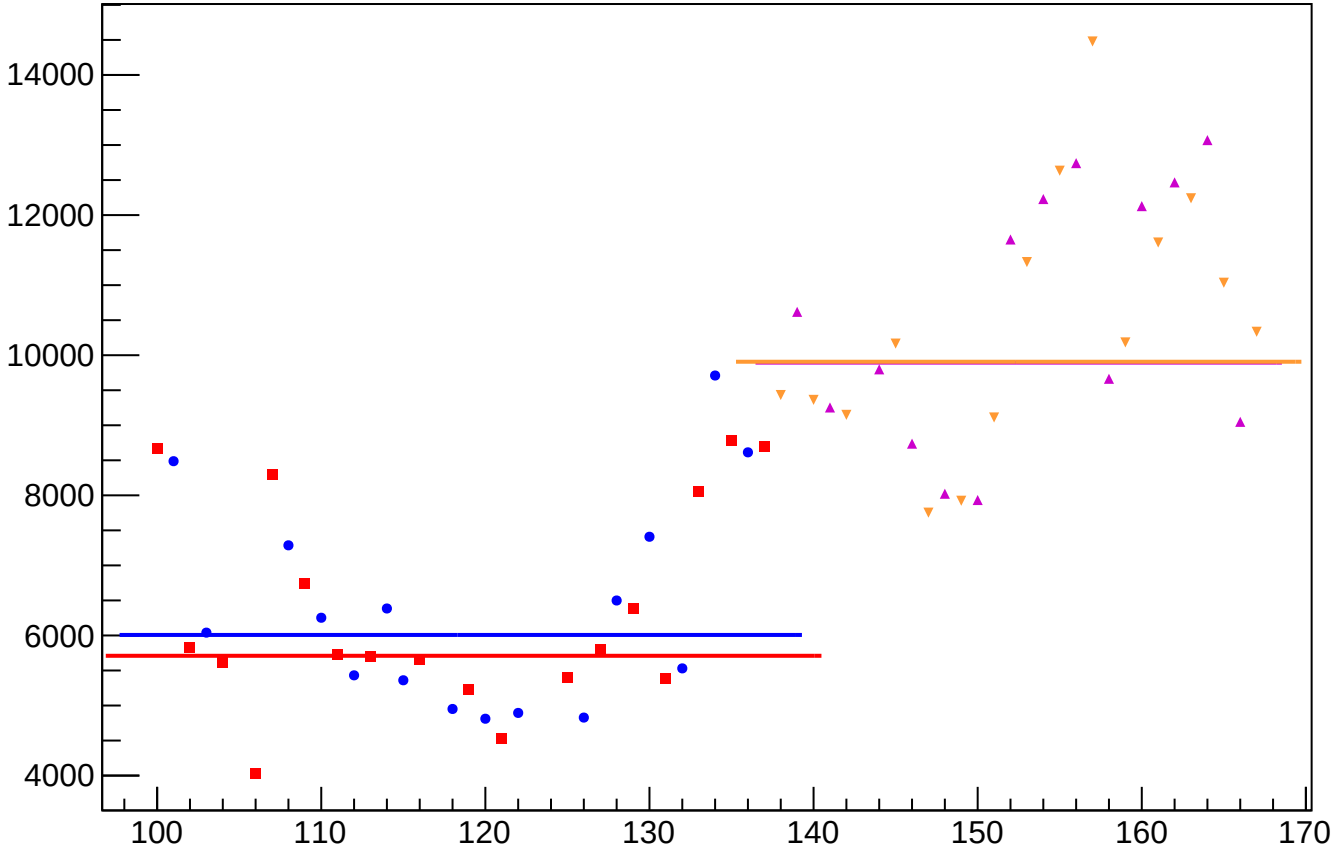
In: 2374.446+/-0.393 χ^2/NDF:1027878.4/29

Out: 2369.535+/-0.390 χ^2/NDF:989381.0/32

All: 2371.969+/-0.277 χ^2/NDF: 2017338.1/62


asym_atl2_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1042.515+/-2294.607 χ²/NDF: 15.3/15
Left Out: -2090.224+/-2942.601 χ²/NDF:20.9/14
Right Out: 919.663+/-2150.895 χ²/NDF: 18.4/17
Left In: 2802.791+/-2963.579 χ²/NDF:8.1/13
Left: 338.903+/-2088.110 χ²/NDF: 30.3/28
Right: 1.940+/-1569.260 χ²/NDF: 34.1/33
In: 398.711+/-1814.334 χ²/NDF:24.4/29
Out: -128.476+/-1736.464 χ²/NDF:39.9/32
All: 123.562+/-1254.491 χ²/NDF: 64.4/62

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9906.909+/-2.081 χ^2/NDF:637142.3/14

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9894.326+/-2.096 χ^2/NDF:638461.6/13

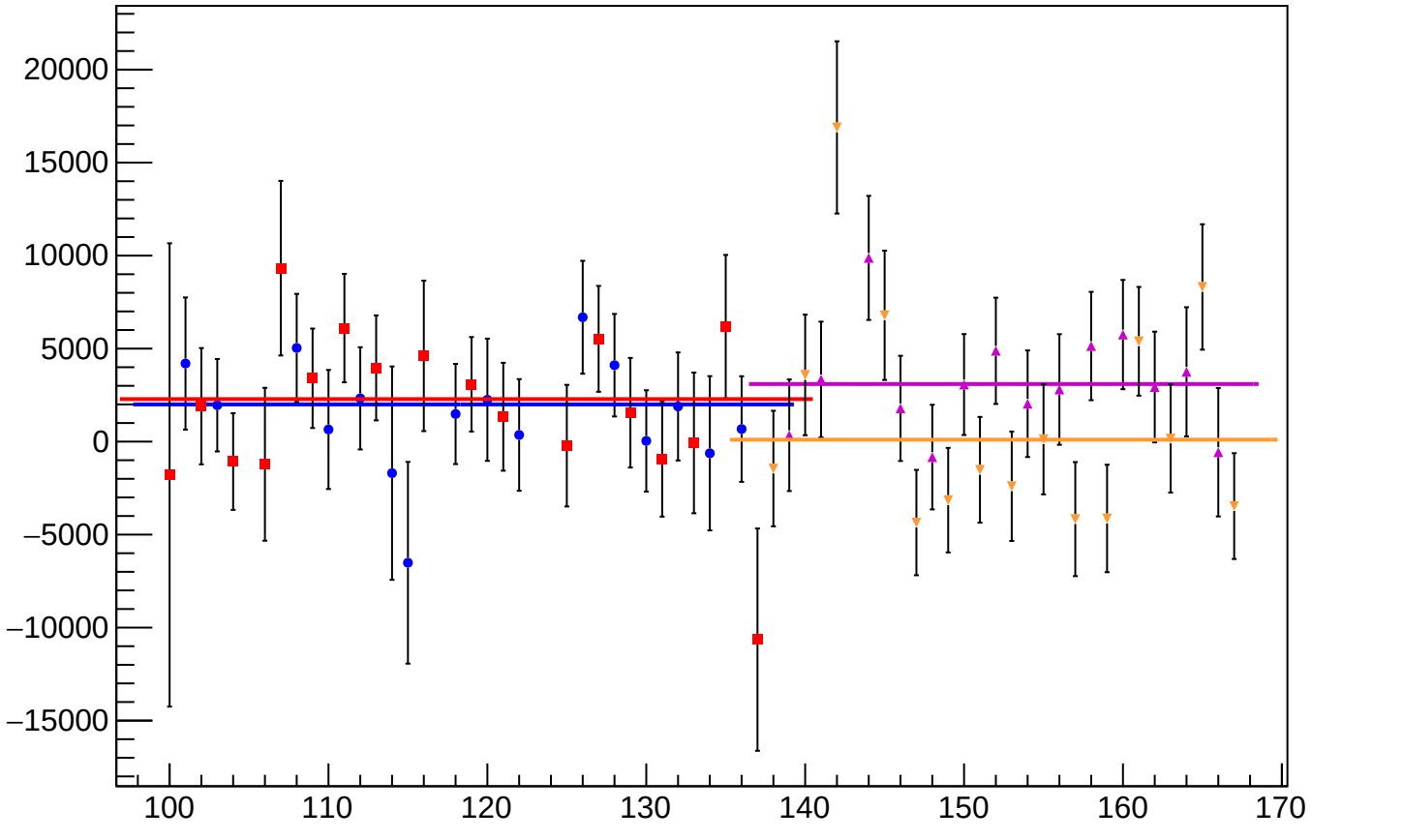
Left: 9900.662+/-1.477 χ^2/NDF: 1275622.1/28

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

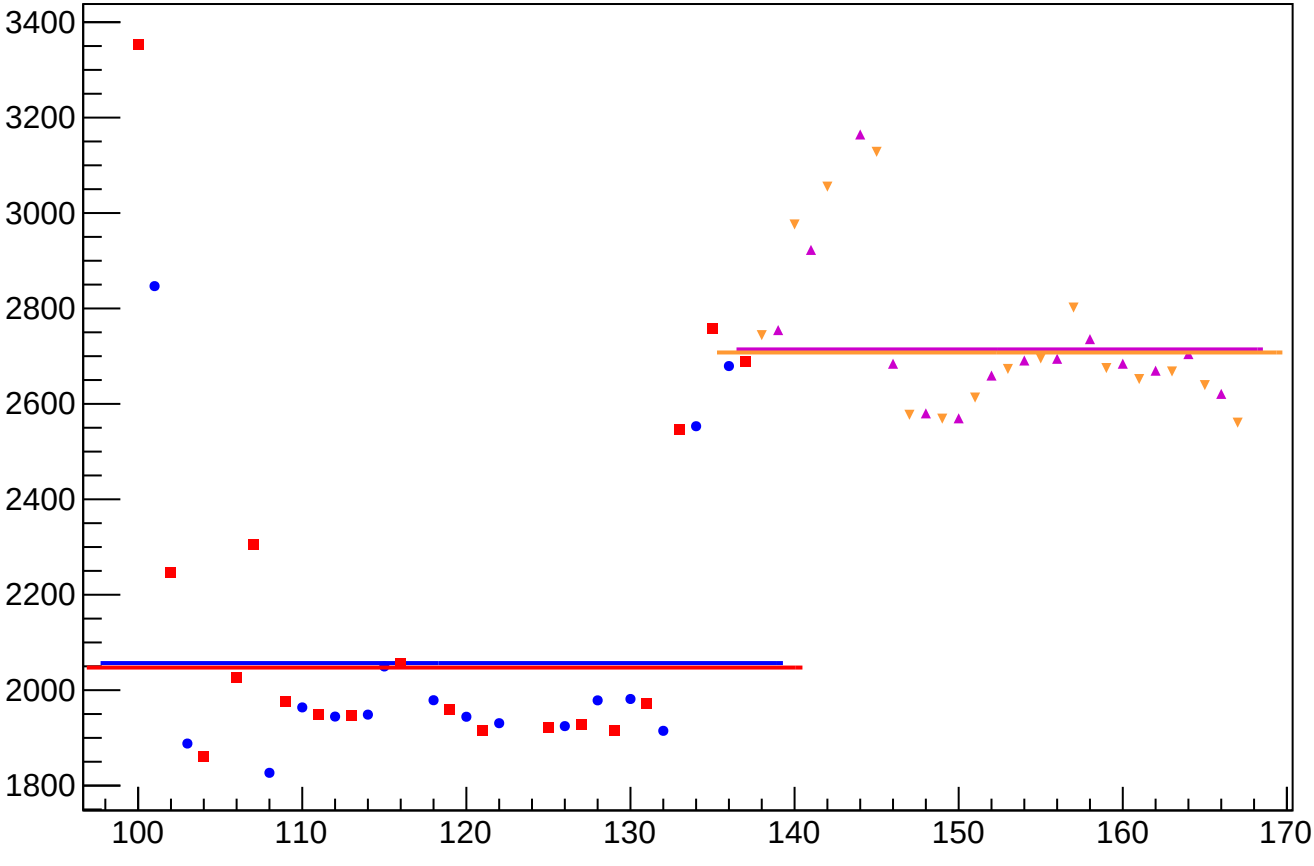
In: 7464.241+/-1.283 χ^2/NDF:3443366.1/29

Out: 7171.435+/-1.228 χ^2/NDF:3824862.1/32

All: 7311.420+/-0.887 χ^2/NDF: 7295415.2/62


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: 103.251+/-789.118 χ²/NDF:38.0/14
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 3096.047+/-799.948 χ²/NDF:10.2/13
Left: 1579.253+/-561.781 χ²/NDF: 55.2/28
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2529.228+/-556.076 χ²/NDF:20.1/29
Out: 1219.499+/-551.583 χ²/NDF:58.6/32
All: 1869.050+/-391.607 χ²/NDF: 81.5/62

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2707.748+/-0.558 χ^2/NDF:75552.1/14

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2714.160+/-0.566 χ^2/NDF:59478.7/13

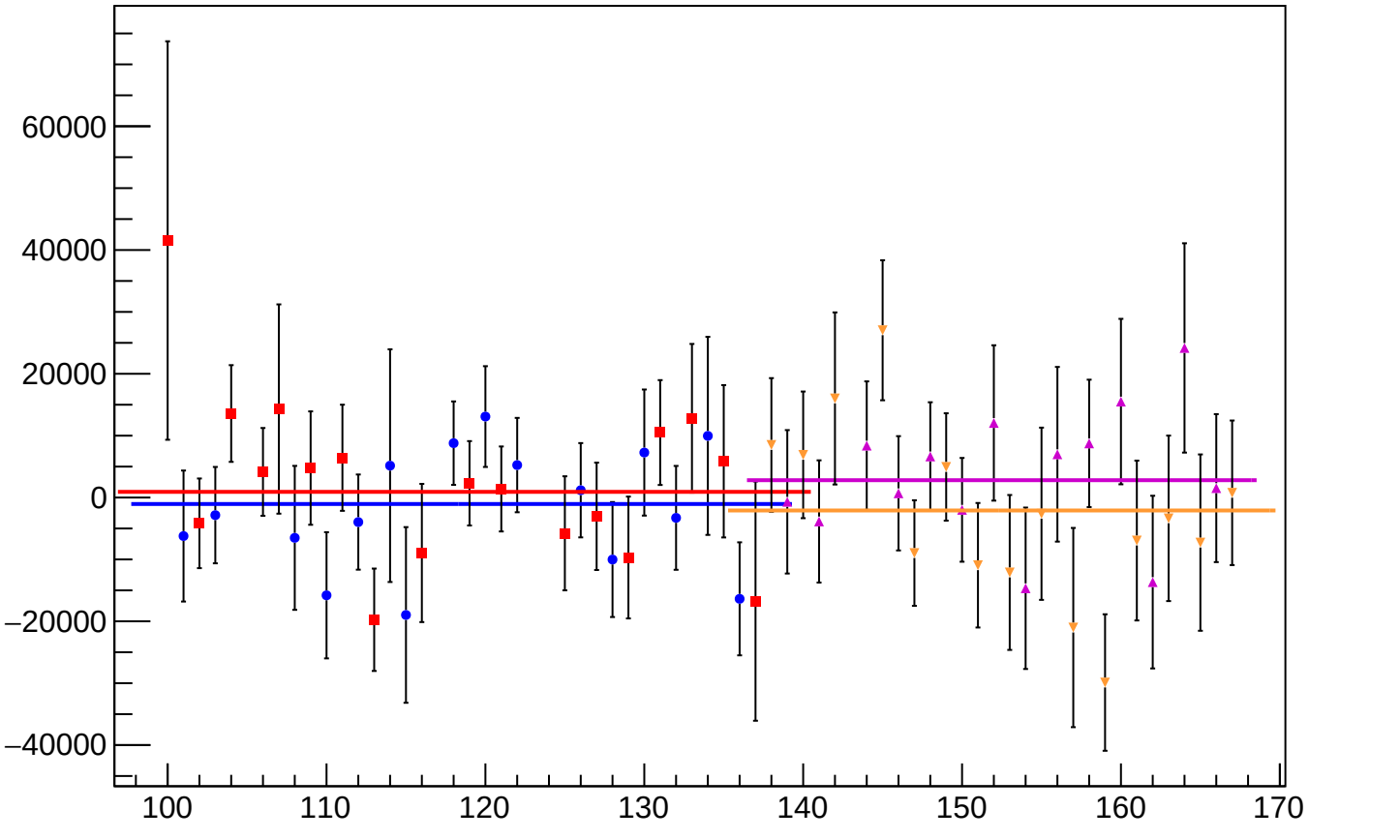
Left: 2710.911+/-0.397 χ^2/NDF: 135096.0/28

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2374.447+/-0.393 χ^2/NDF:1027884.2/29

Out: 2369.536+/-0.390 χ^2/NDF:989388.4/32

All: 2371.970+/-0.277 χ^2/NDF: 2017351.3/62



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -2090.236+/-2942.605 χ^2/NDF:20.9/14

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2802.791+/-2963.583 χ^2/NDF:8.1/13

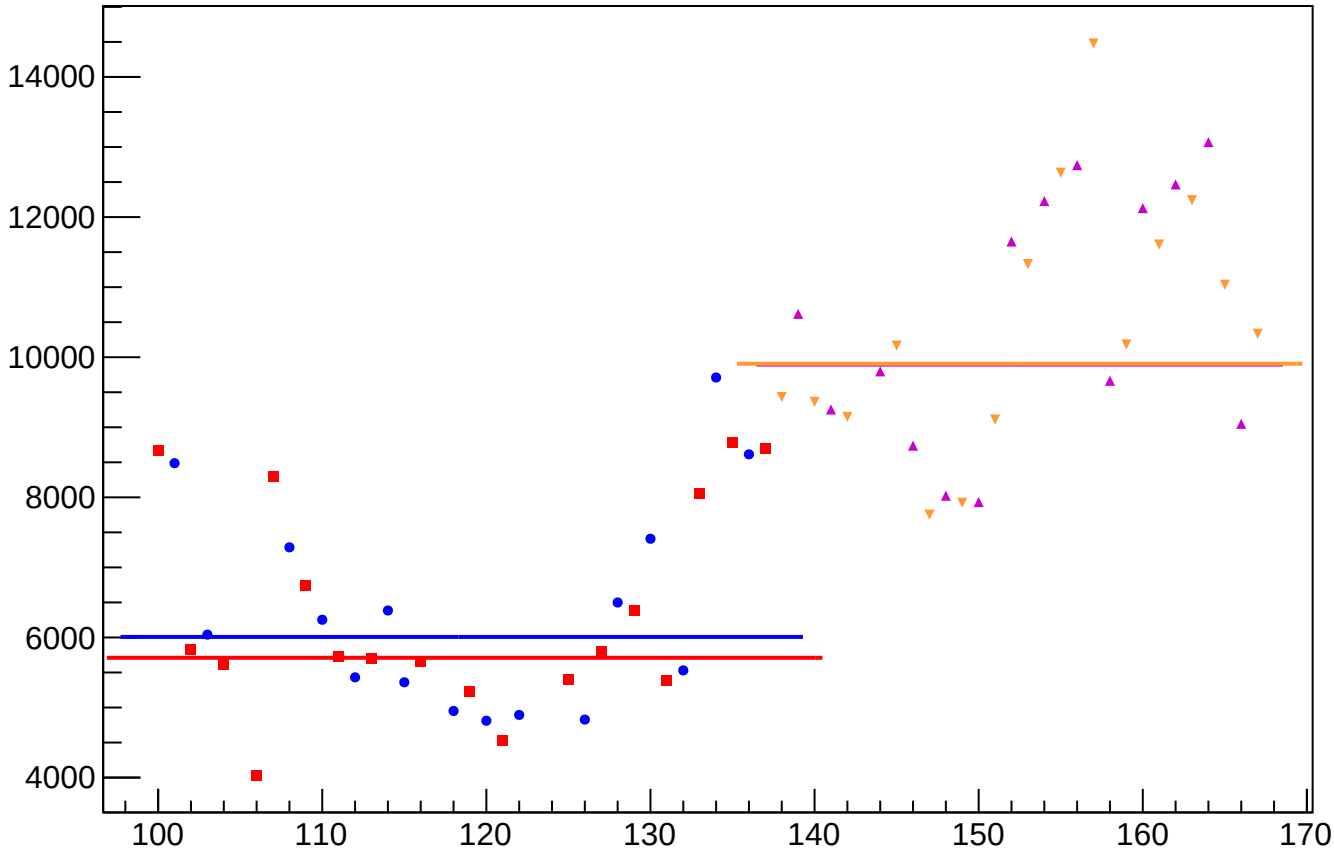
Left: 338.898+/-2088.113 χ^2/NDF: 30.3/28

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: 398.711+/-1814.331 χ^2/NDF:24.4/29

Out: -128.472+/-1736.461 χ^2/NDF:39.9/32

All: 123.564+/-1254.489 χ^2/NDF: 64.4/62



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9906.923+/-2.081 χ^2/NDF:637145.6/14

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9894.339+/-2.096 χ^2/NDF:638464.8/13

Left: 9900.675+/-1.477 χ^2/NDF: 1275628.5/28

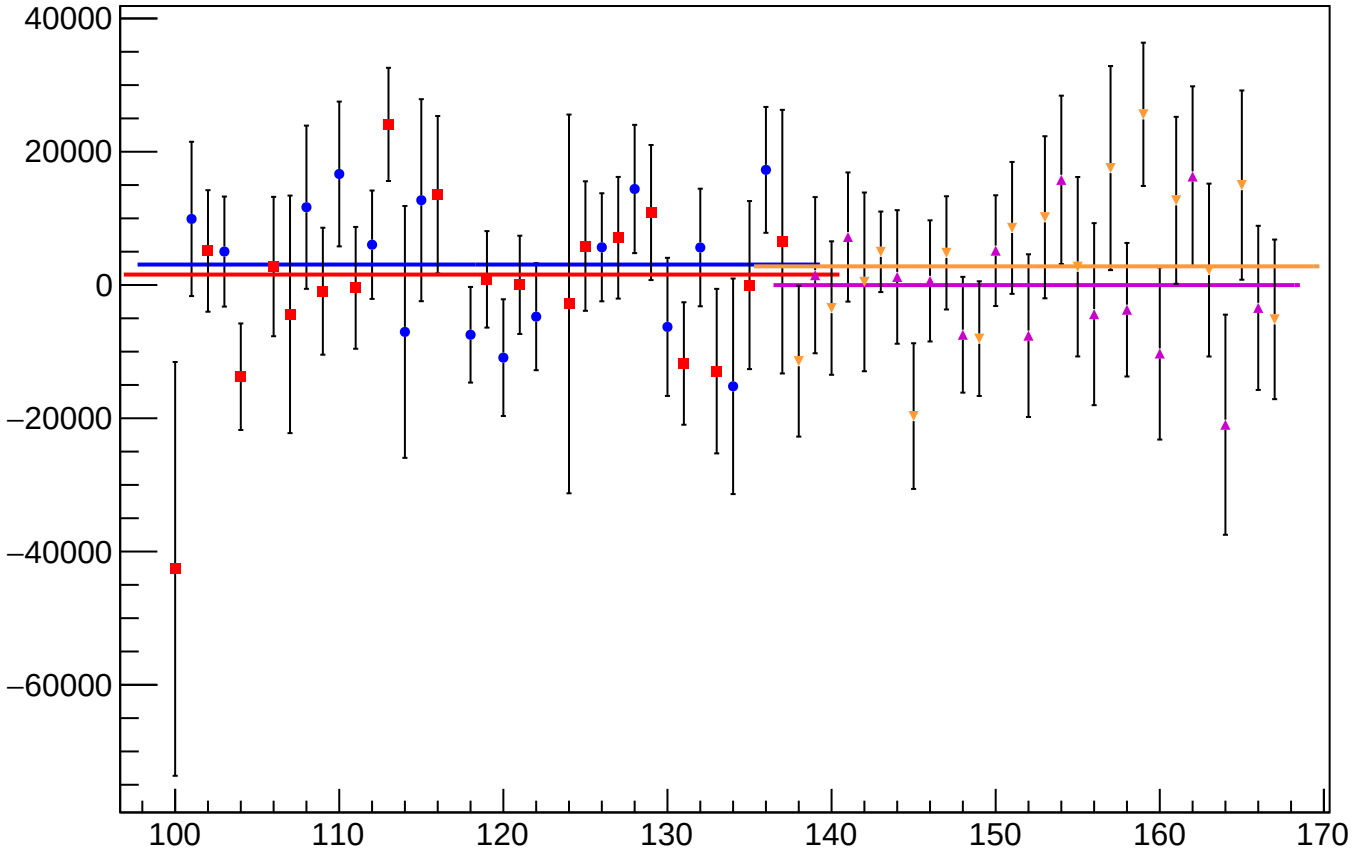
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7464.226+/-1.283 χ^2/NDF:3443414.5/29

Out: 7171.420+/-1.228 χ^2/NDF:3824908.2/32

All: 7311.405+/-0.887 χ^2/NDF: 7295509.6/62

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2801.215+/-2616.518 χ^2/NDF:15.9/15

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: -16.786+/-2914.868 χ^2/NDF:7.7/13

Left: 1543.770+/-1947.121 χ^2/NDF: 24.1/29

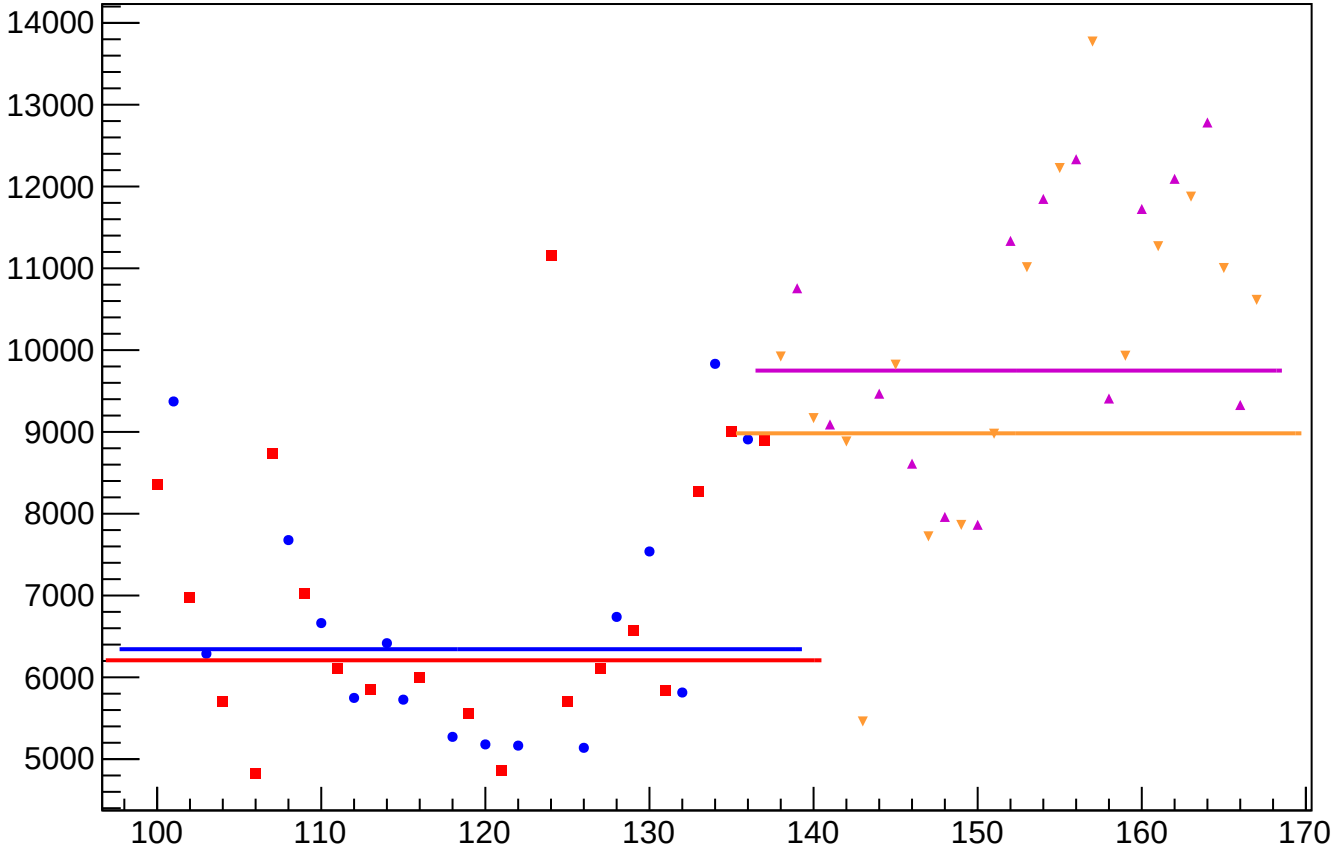
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 1810.227+/-1862.266 χ^2/NDF:23.2/29

Out: 2114.441+/-1742.521 χ^2/NDF:35.3/34

All: 1972.429+/-1272.376 χ^2/NDF: 58.5/64

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8982.830+/-1.850 χ^2/NDF:1410260.0/15

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9749.692+/-2.061 χ^2/NDF:583957.7/13

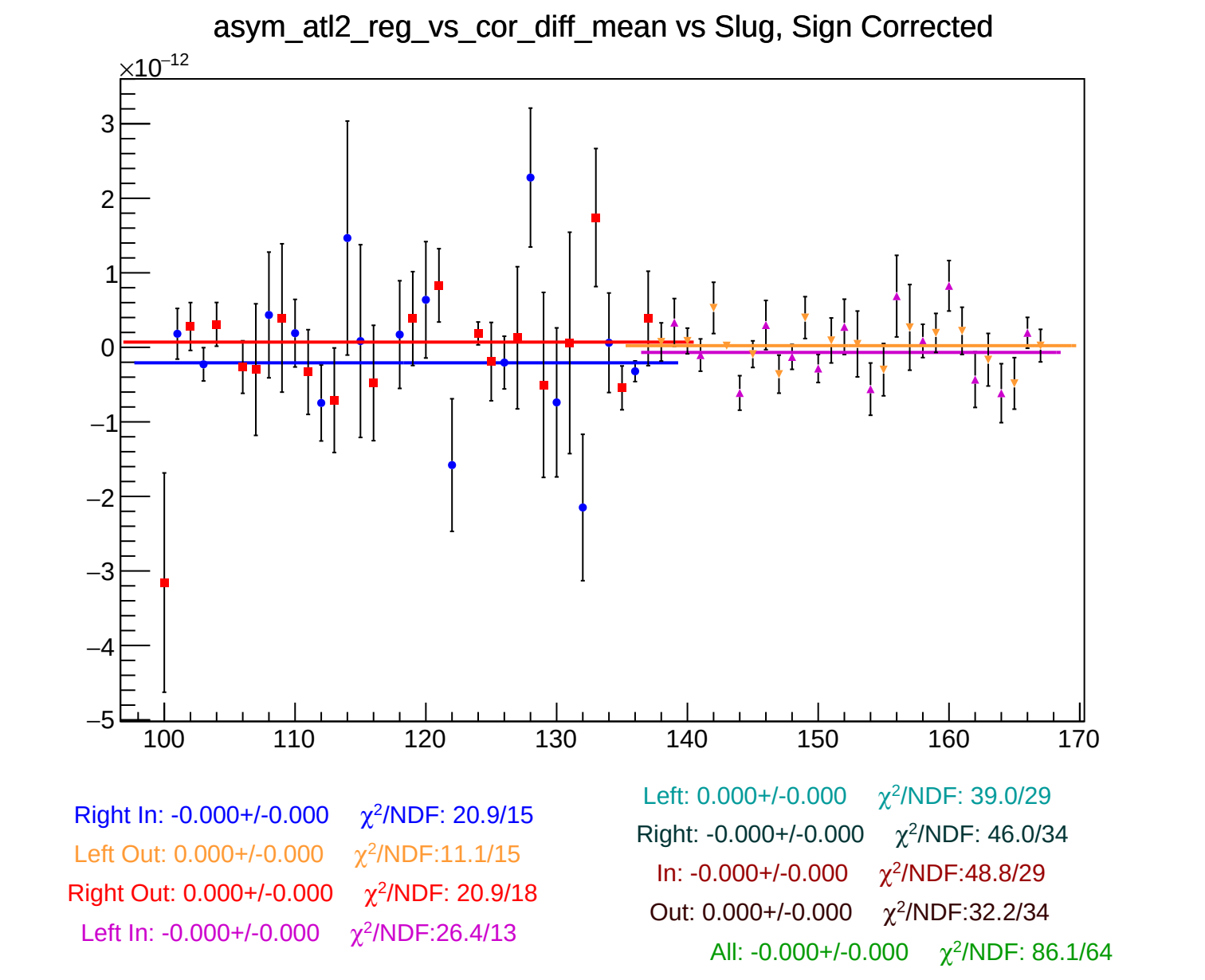
Left: 9325.018+/-1.377 χ^2/NDF: 2070876.9/29

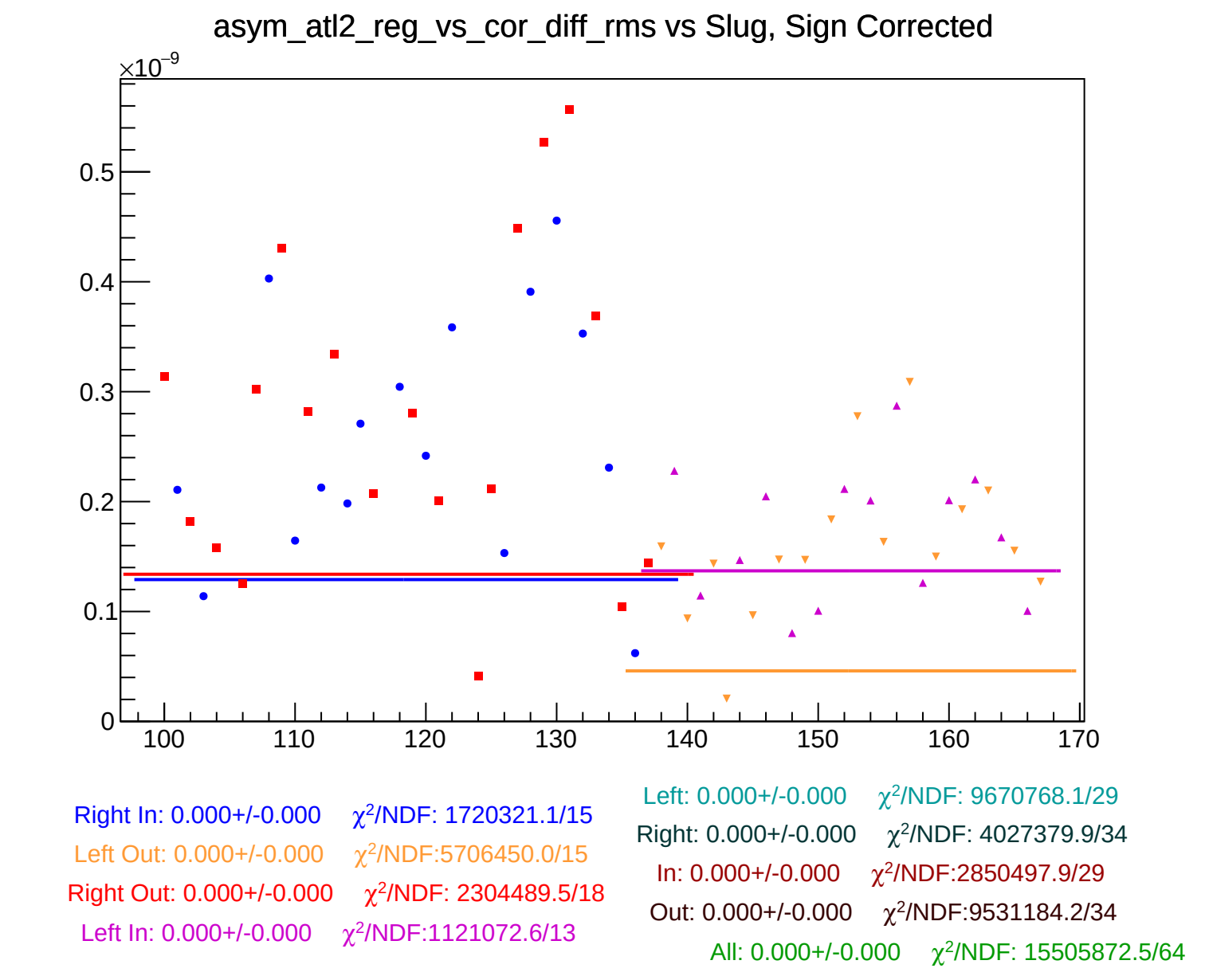
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

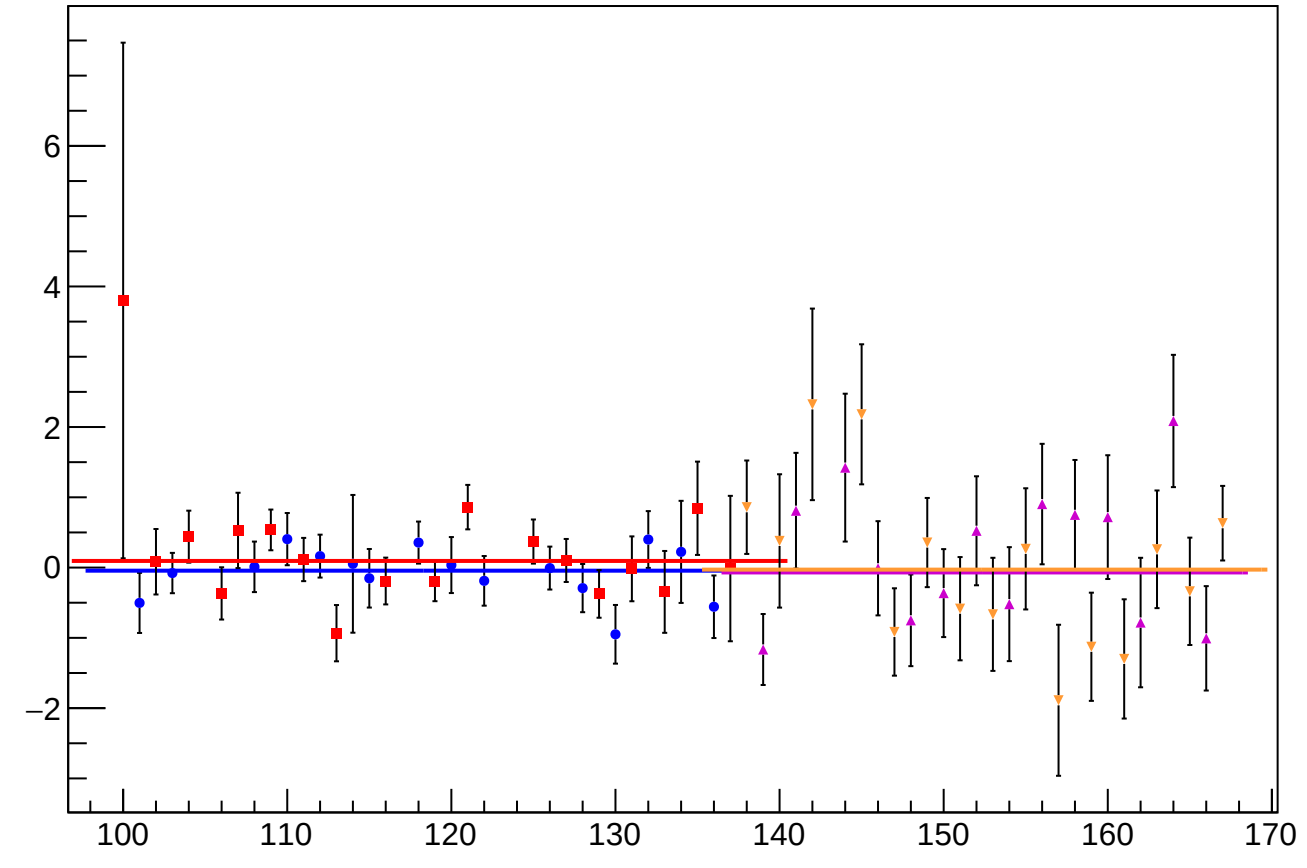
In: 7733.992+/-1.317 χ^2/NDF:2821227.4/29

Out: 7438.730+/-1.232 χ^2/NDF:3133738.7/34

All: 7576.564+/-0.900 χ^2/NDF: 5981772.5/64


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:11.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/18
Left In: -0.000+/-0.000 χ²/NDF:26.4/13
Left: 0.000+/-0.000 χ²/NDF: 39.0/29
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:48.8/29
Out: 0.000+/-0.000 χ²/NDF:32.2/34
All: -0.000+/-0.000 χ²/NDF: 86.1/64


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5706450.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 2304489.5/18
Left In: 0.000+/-0.000 χ²/NDF:1121072.6/13
Left: 0.000+/-0.000 χ²/NDF: 9670768.1/29
Right: 0.000+/-0.000 χ²/NDF: 4027379.9/34
In: 0.000+/-0.000 χ²/NDF:2850497.9/29
Out: 0.000+/-0.000 χ²/NDF:9531184.2/34
All: 0.000+/-0.000 χ²/NDF: 15505872.5/64



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.069+/-0.200 χ^2/NDF:20.7/13

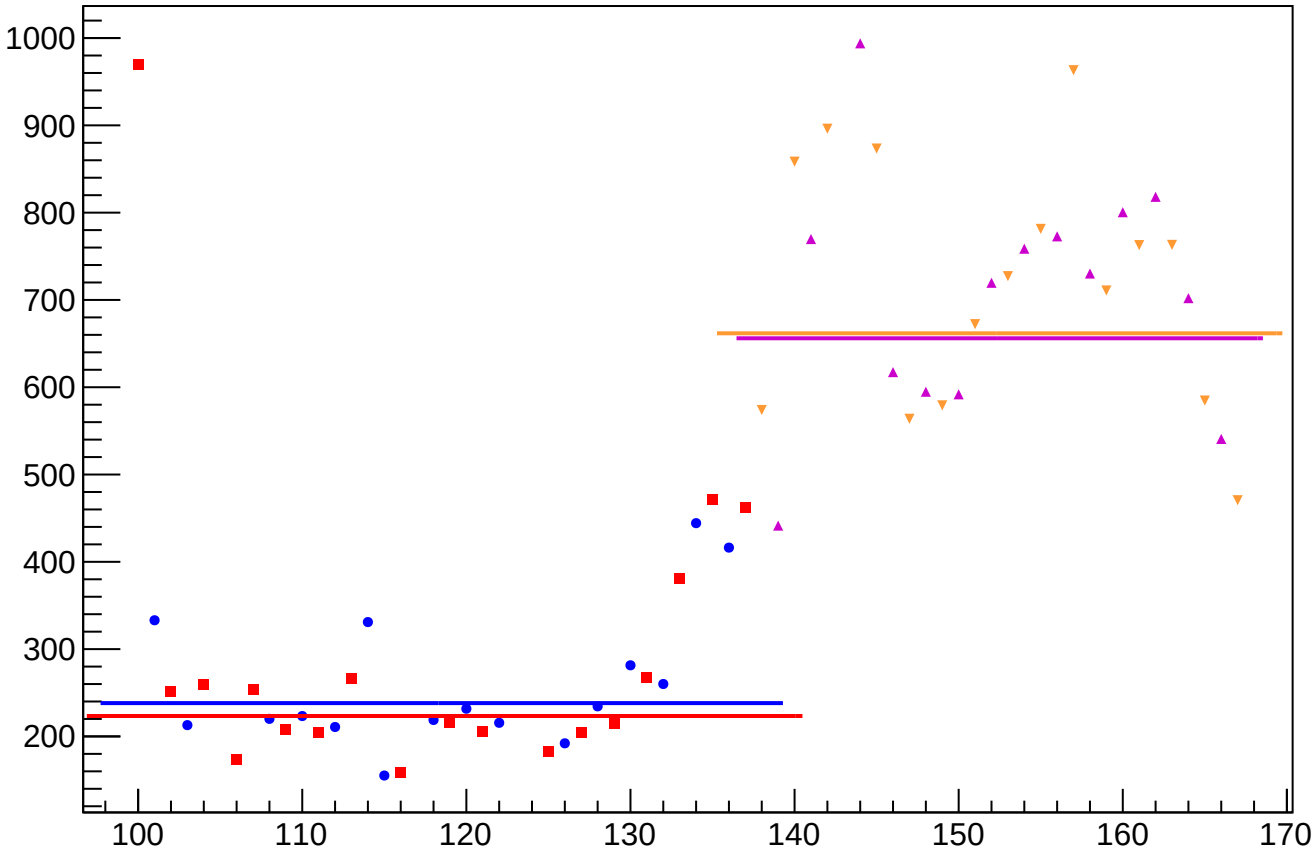
Left: -0.049+/-0.141 χ^2/NDF: 43.4/28

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.049+/-0.085 χ^2/NDF:33.8/29

Out: 0.073+/-0.082 χ^2/NDF:48.3/32

All: 0.014+/-0.059 χ^2/NDF: 83.2/62



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 661.776+/-0.140 χ^2/NDF:908869.6/14

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 656.077+/-0.141 χ^2/NDF:920291.2/13

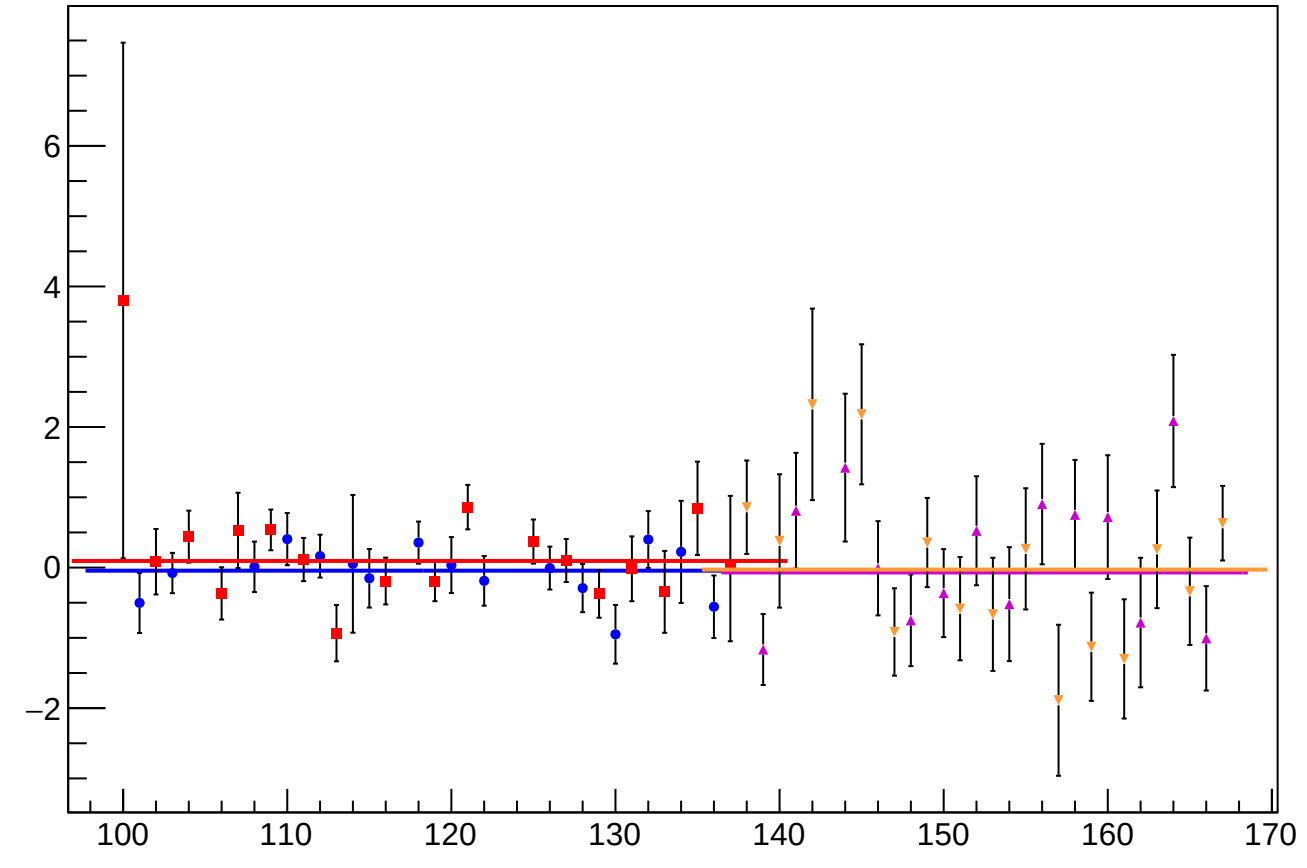
Left: 658.946+/-0.100 χ^2/NDF: 1829979.3/28

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 313.579+/-0.060 χ^2/NDF:8891764.0/29

Out: 298.166+/-0.058 χ^2/NDF:9859322.4/32

All: 305.603+/-0.042 χ^2/NDF: 18785187.0/62



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.069+/-0.200 χ^2/NDF:20.7/13

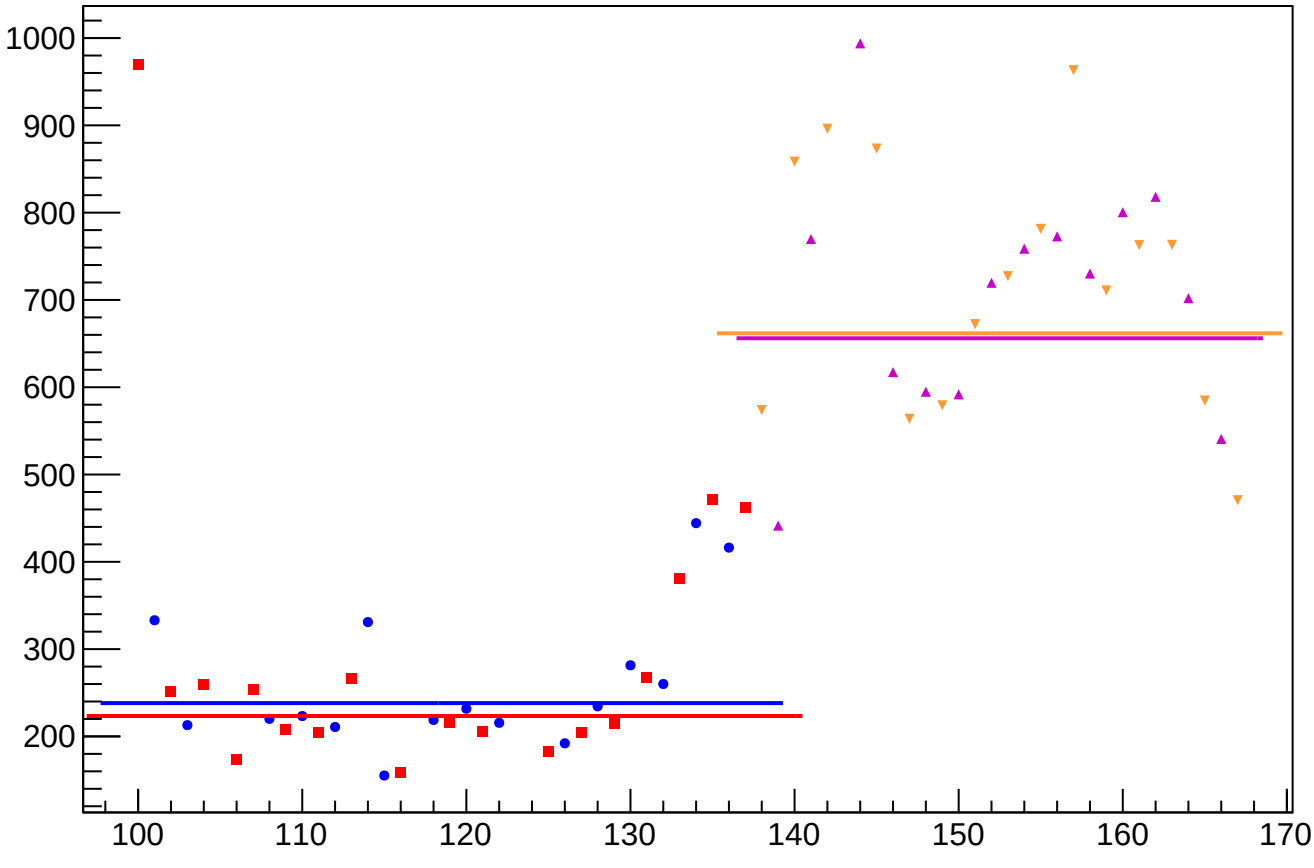
Left: -0.049+/-0.141 χ^2/NDF: 43.4/28

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.049+/-0.085 χ^2/NDF:33.8/29

Out: 0.073+/-0.082 χ^2/NDF:48.3/32

All: 0.014+/-0.059 χ^2/NDF: 83.2/62



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 661.776+/-0.140 χ^2/NDF:908869.6/14

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 656.077+/-0.141 χ^2/NDF:920291.2/13

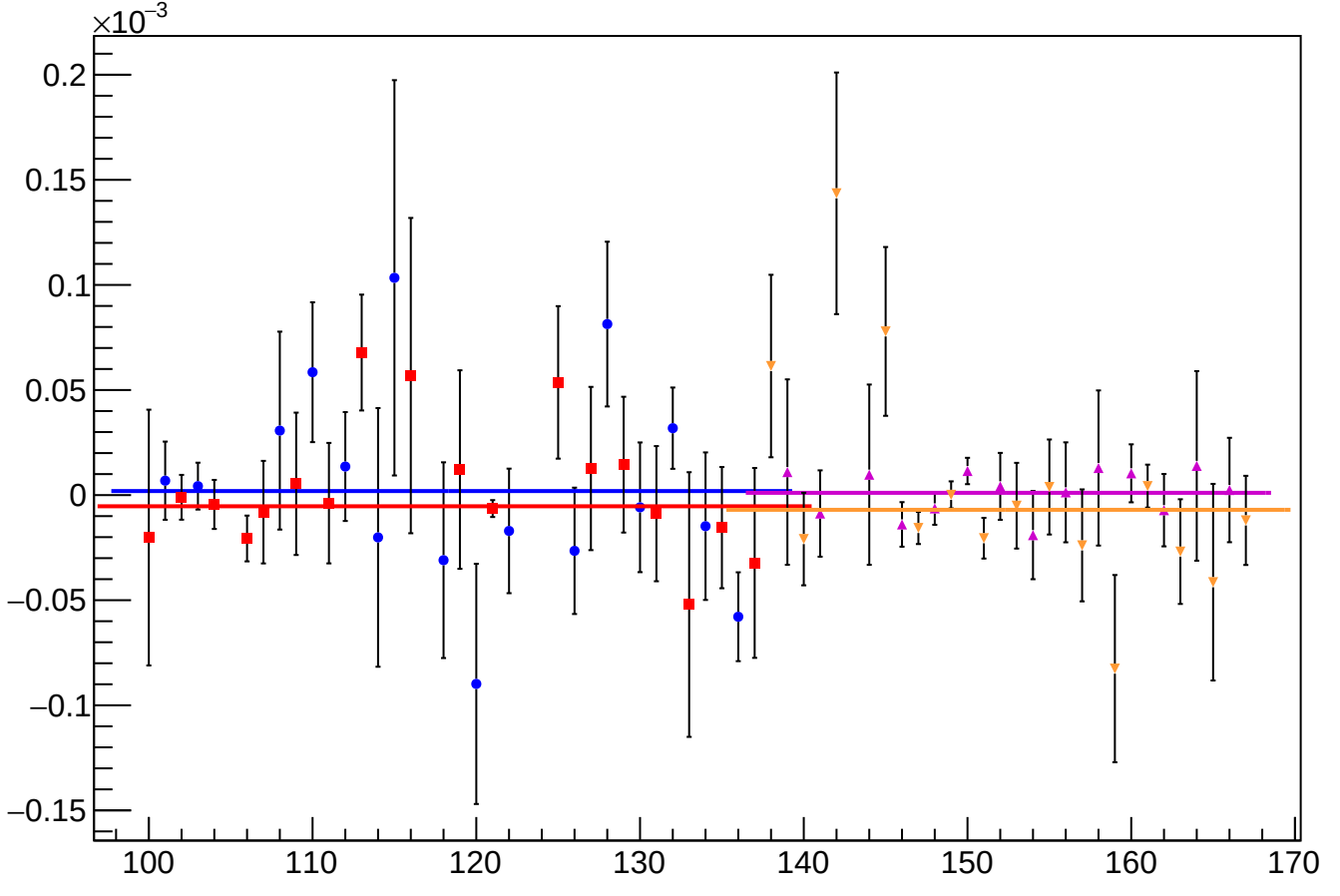
Left: 658.946+/-0.100 χ^2/NDF: 1829979.3/28

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 313.579+/-0.060 χ^2/NDF:8891764.0/29

Out: 298.166+/-0.058 χ^2/NDF:9859322.4/32

All: 305.603+/-0.042 χ^2/NDF: 18785187.0/62



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:7.8/13

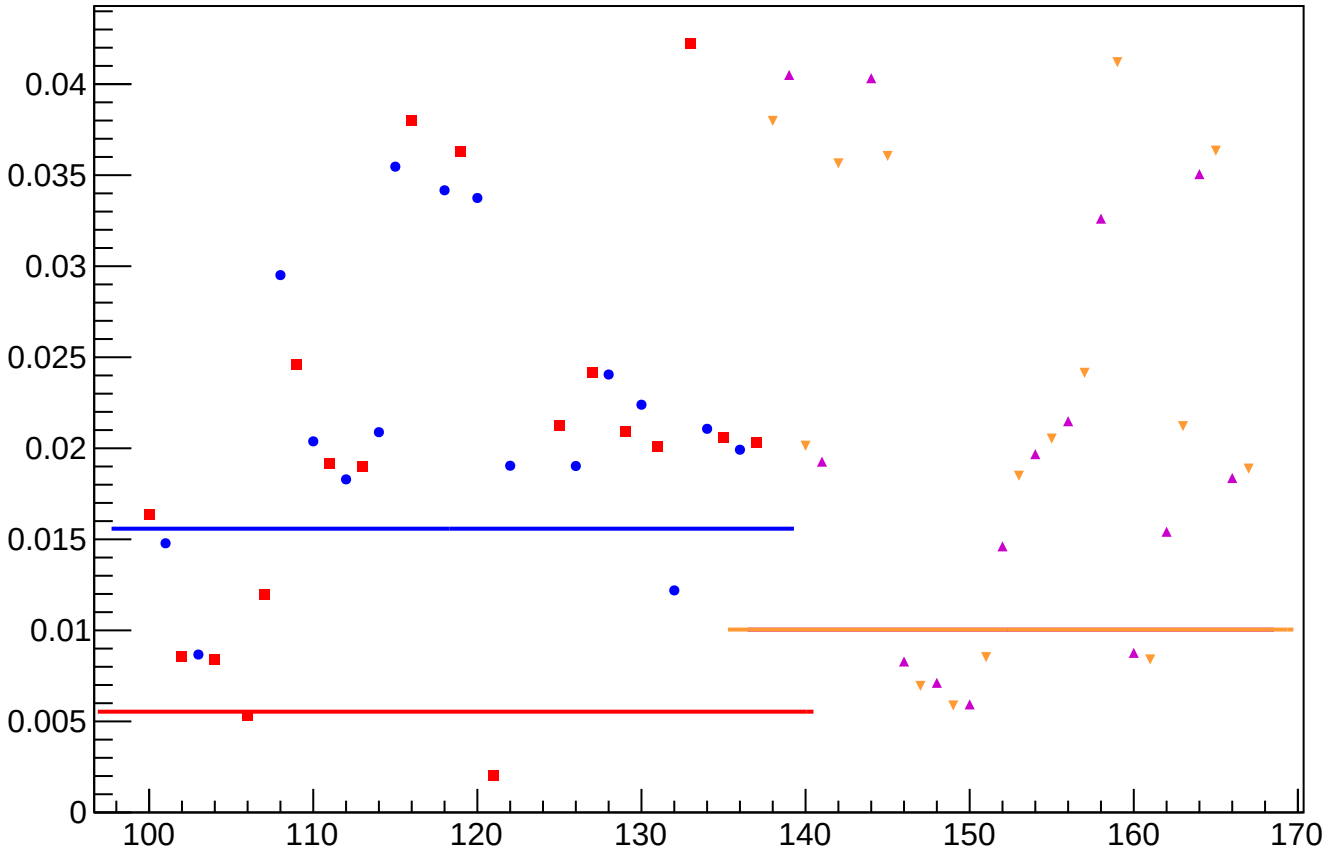
Left: -0.000+/-0.000 χ^2/NDF: 34.9/28

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.9/29

Out: -0.000+/-0.000 χ^2/NDF:39.3/32

All: -0.000+/-0.000 χ^2/NDF: 74.5/62



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:7449561.8/14

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:6398325.8/13

Left: 0.010+/-0.000 χ^2/NDF: 13847889.6/28

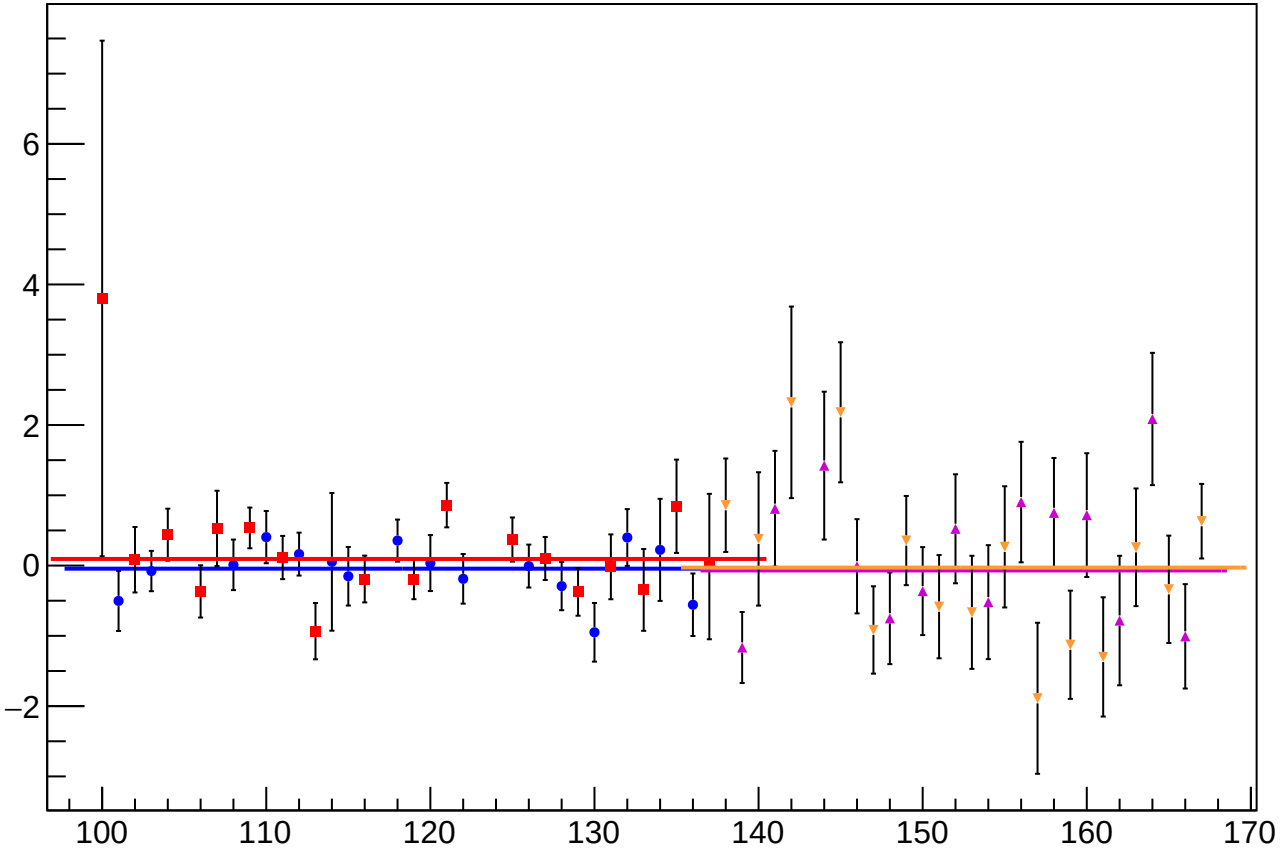
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:9607274.8/29

Out: 0.008+/-0.000 χ^2/NDF:17138449.2/32

All: 0.009+/-0.000 χ^2/NDF: 28678866.2/62

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.069+/-0.200 χ^2/NDF:20.7/13

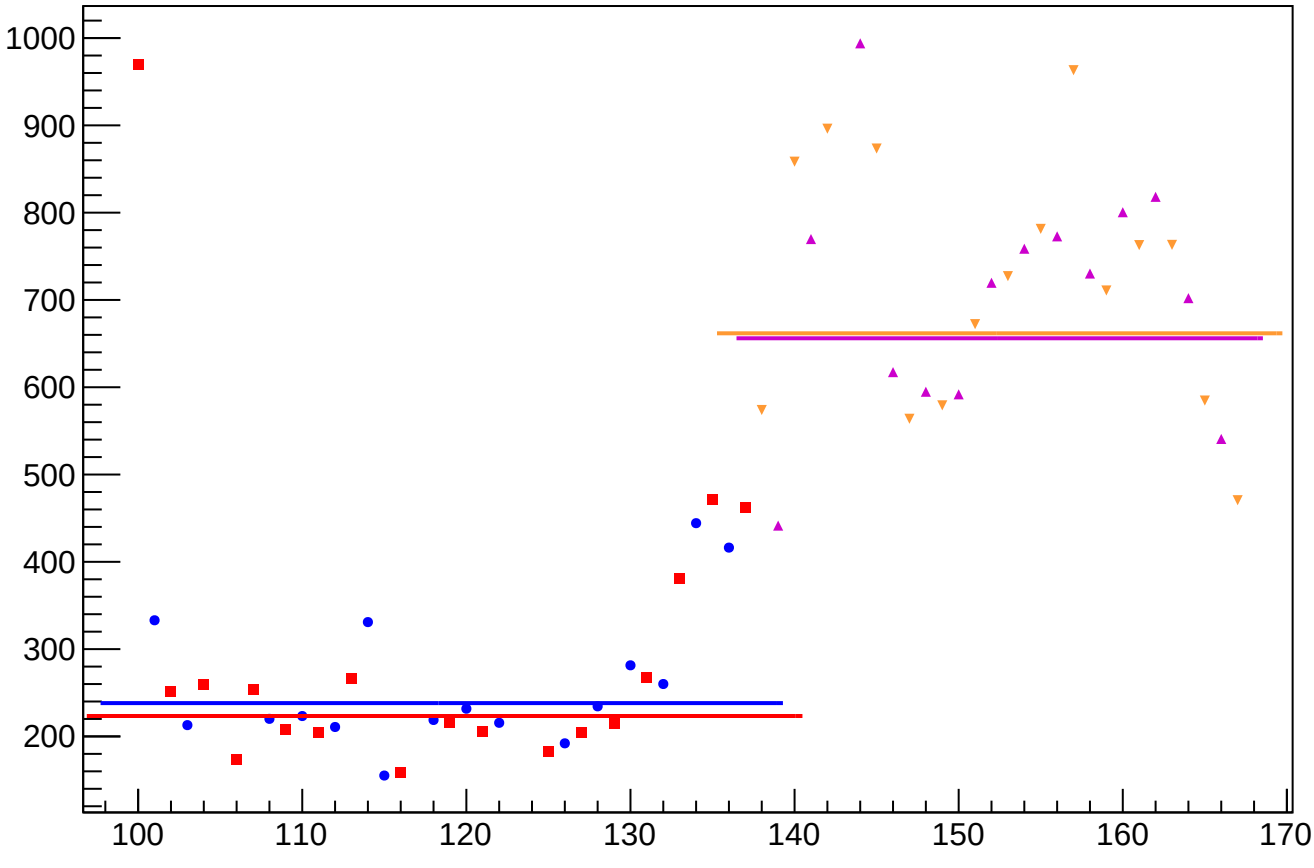
Left: -0.049+/-0.141 χ^2/NDF: 43.4/28

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.049+/-0.085 χ^2/NDF:33.8/29

Out: 0.073+/-0.082 χ^2/NDF:48.3/32

All: 0.014+/-0.059 χ^2/NDF: 83.2/62



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 661.783+/-0.140 χ^2/NDF:908922.3/14

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 656.086+/-0.141 χ^2/NDF:920287.0/13

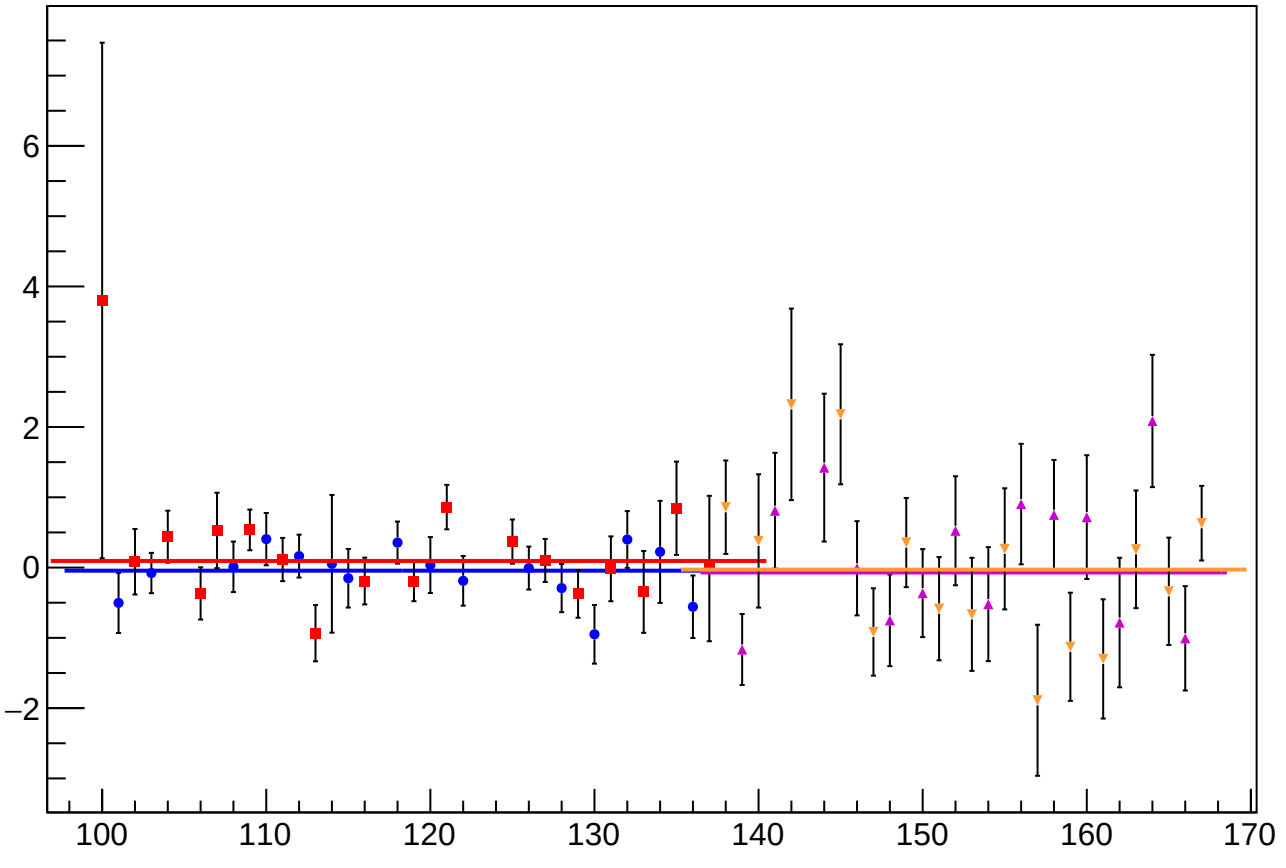
Left: 658.954+/-0.100 χ^2/NDF: 1830027.1/28

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 313.580+/-0.060 χ^2/NDF:8891854.7/29

Out: 298.167+/-0.058 χ^2/NDF:9859361.0/32

All: 305.604+/-0.042 χ^2/NDF: 18785312.7/62



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.069+/-0.200 χ^2/NDF:20.7/13

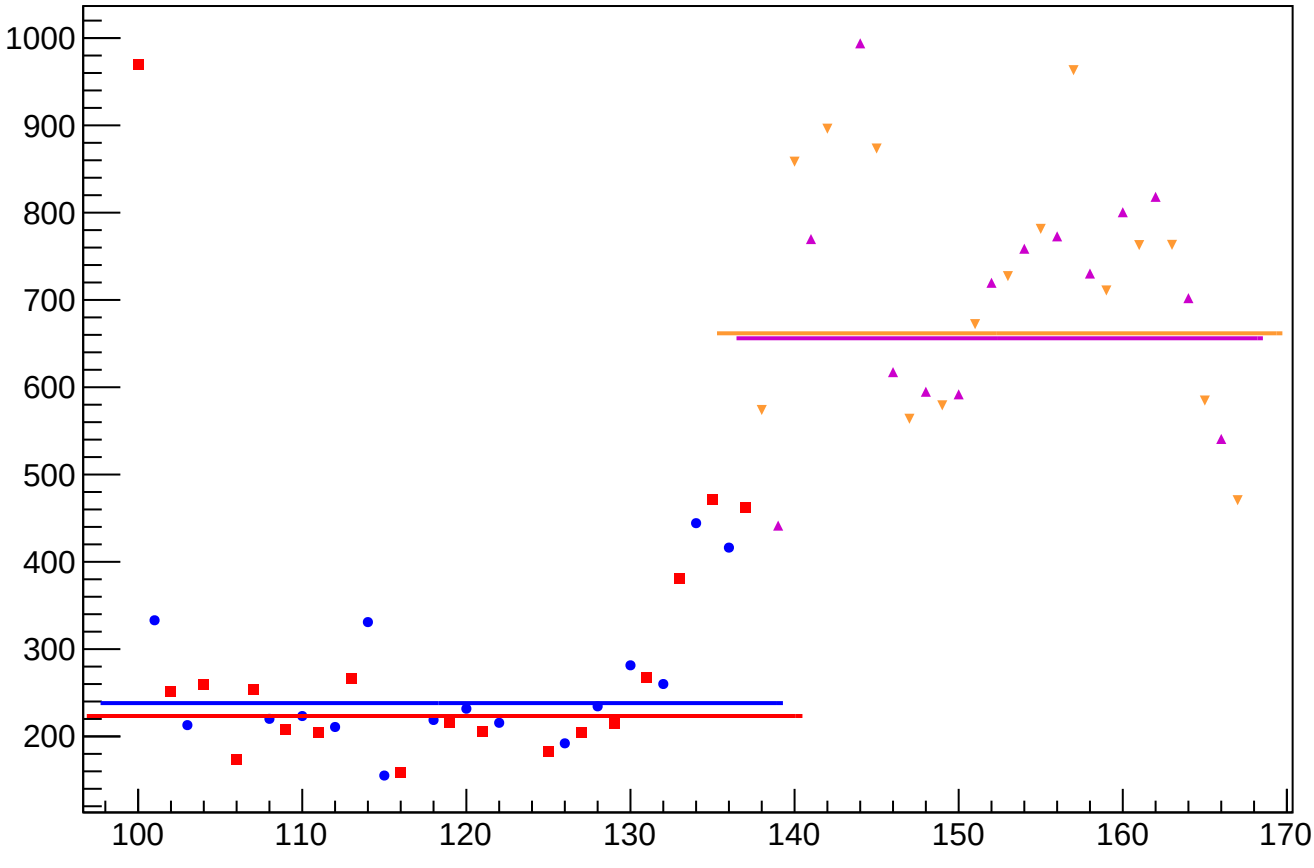
Left: -0.049+/-0.141 χ^2/NDF: 43.4/28

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.049+/-0.085 χ^2/NDF:33.8/29

Out: 0.073+/-0.082 χ^2/NDF:48.3/32

All: 0.014+/-0.059 χ^2/NDF: 83.2/62



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 661.783+/-0.140 χ^2/NDF:908922.3/14

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 656.086+/-0.141 χ^2/NDF:920287.0/13

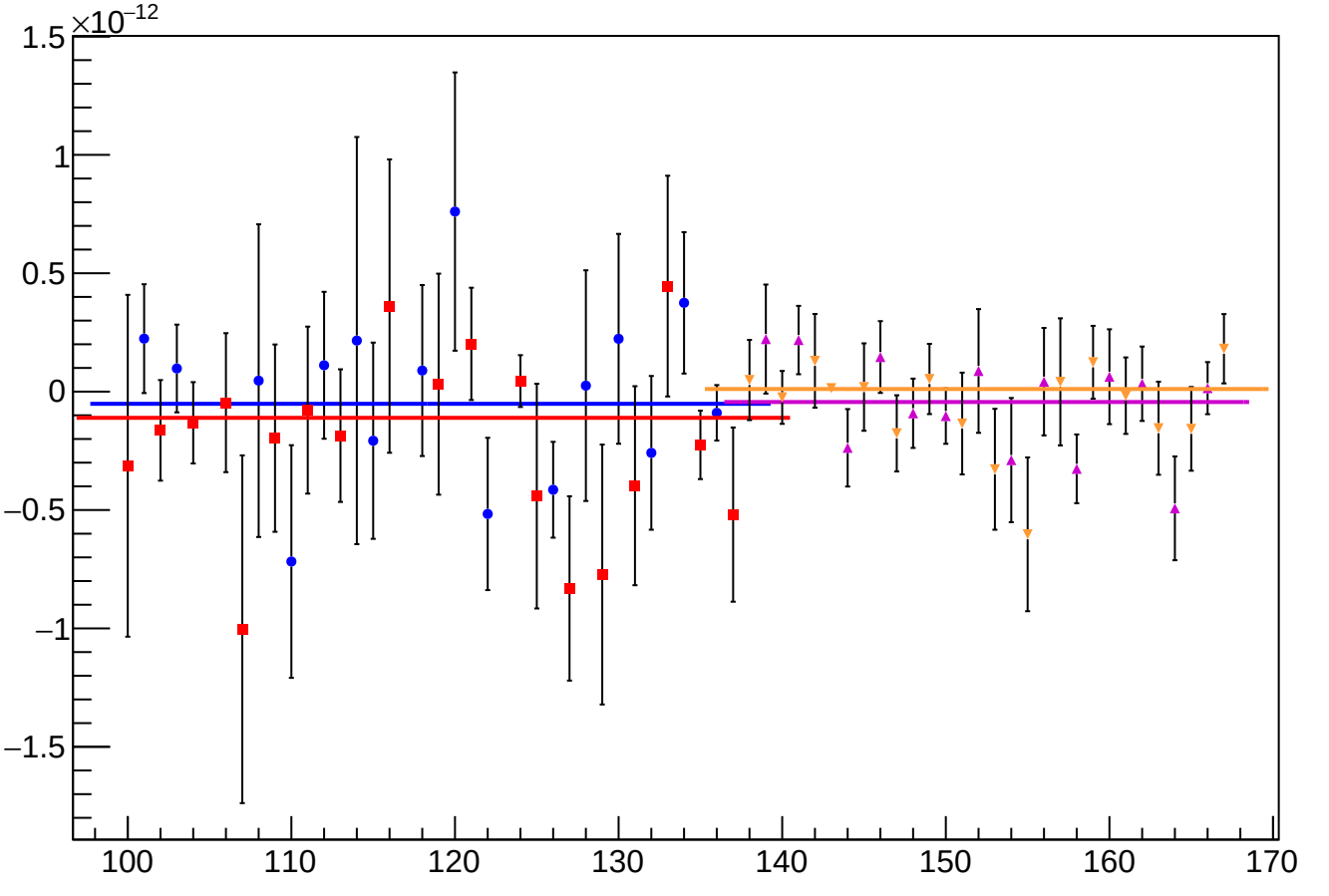
Left: 658.954+/-0.100 χ^2/NDF: 1830027.1/28

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 313.580+/-0.060 χ^2/NDF:8891854.7/29

Out: 298.167+/-0.058 χ^2/NDF:9859361.0/32

All: 305.604+/-0.042 χ^2/NDF: 18785312.7/62



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/13

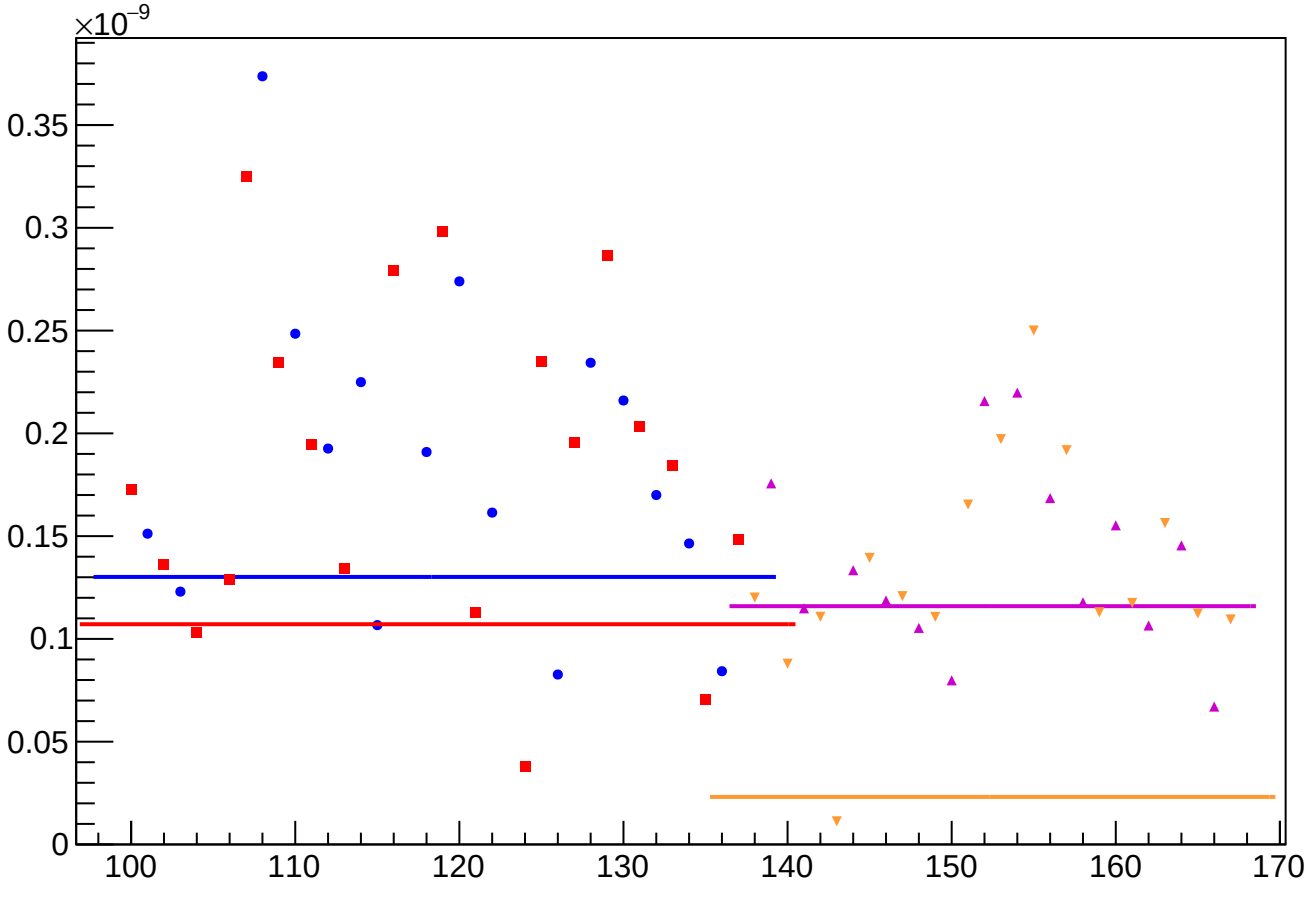
Left: 0.000+/-0.000 χ^2/NDF: 30.8/29

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:32.8/29

Out: 0.000+/-0.000 χ^2/NDF:30.7/34

All: -0.000+/-0.000 χ^2/NDF: 65.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12198113.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1586507.0/13

Left: 0.000+/-0.000 χ^2/NDF: 22019248.5/29

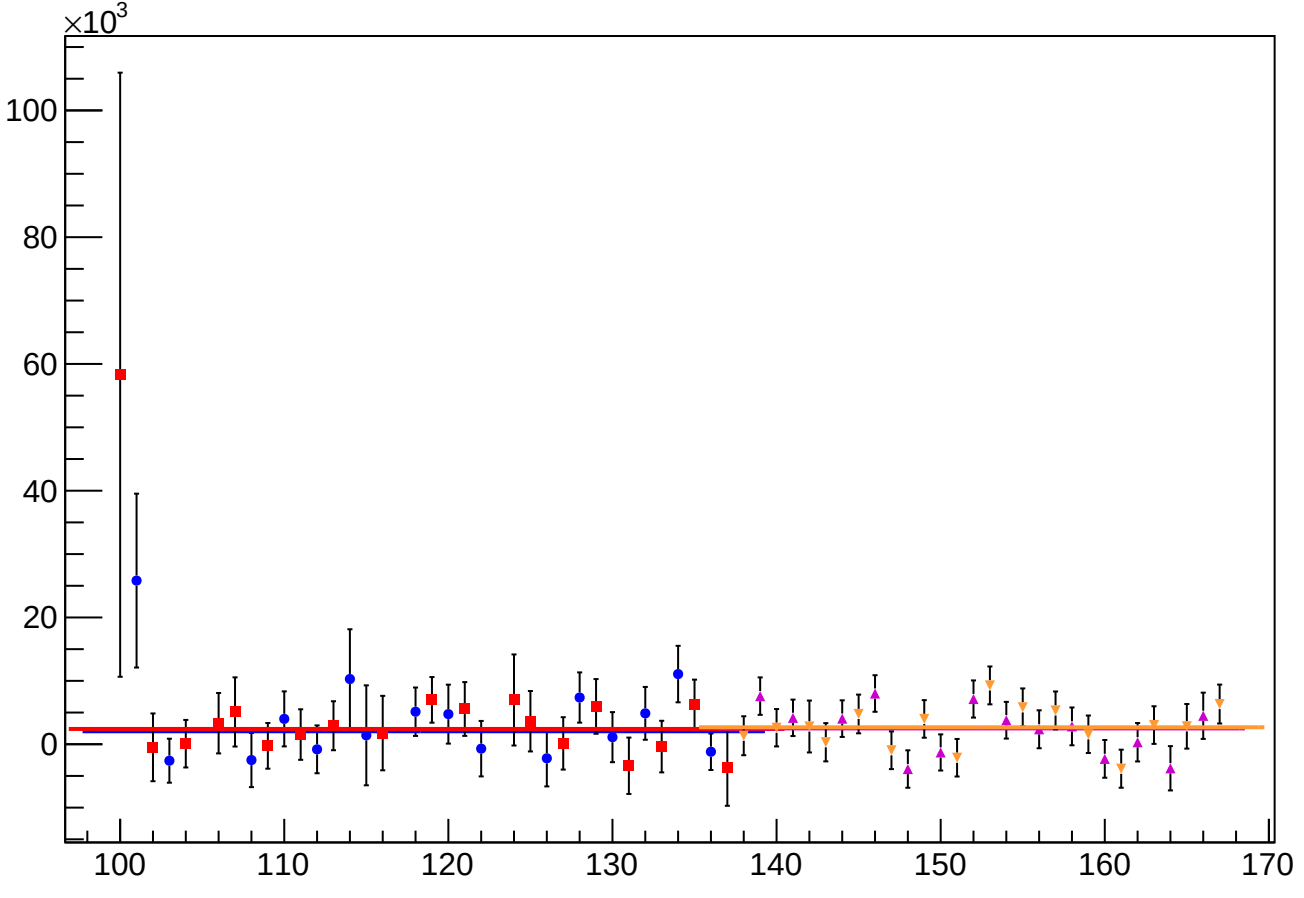
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2983734.6/29

Out: 0.000+/-0.000 χ^2/NDF:18673733.3/34

All: 0.000+/-0.000 χ^2/NDF: 32748537.3/64

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2673.150+/-766.899 χ^2/NDF:18.7/15

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2498.182+/-802.964 χ^2/NDF:23.1/13

Left: 2589.684+/-554.591 χ^2/NDF: 41.8/29

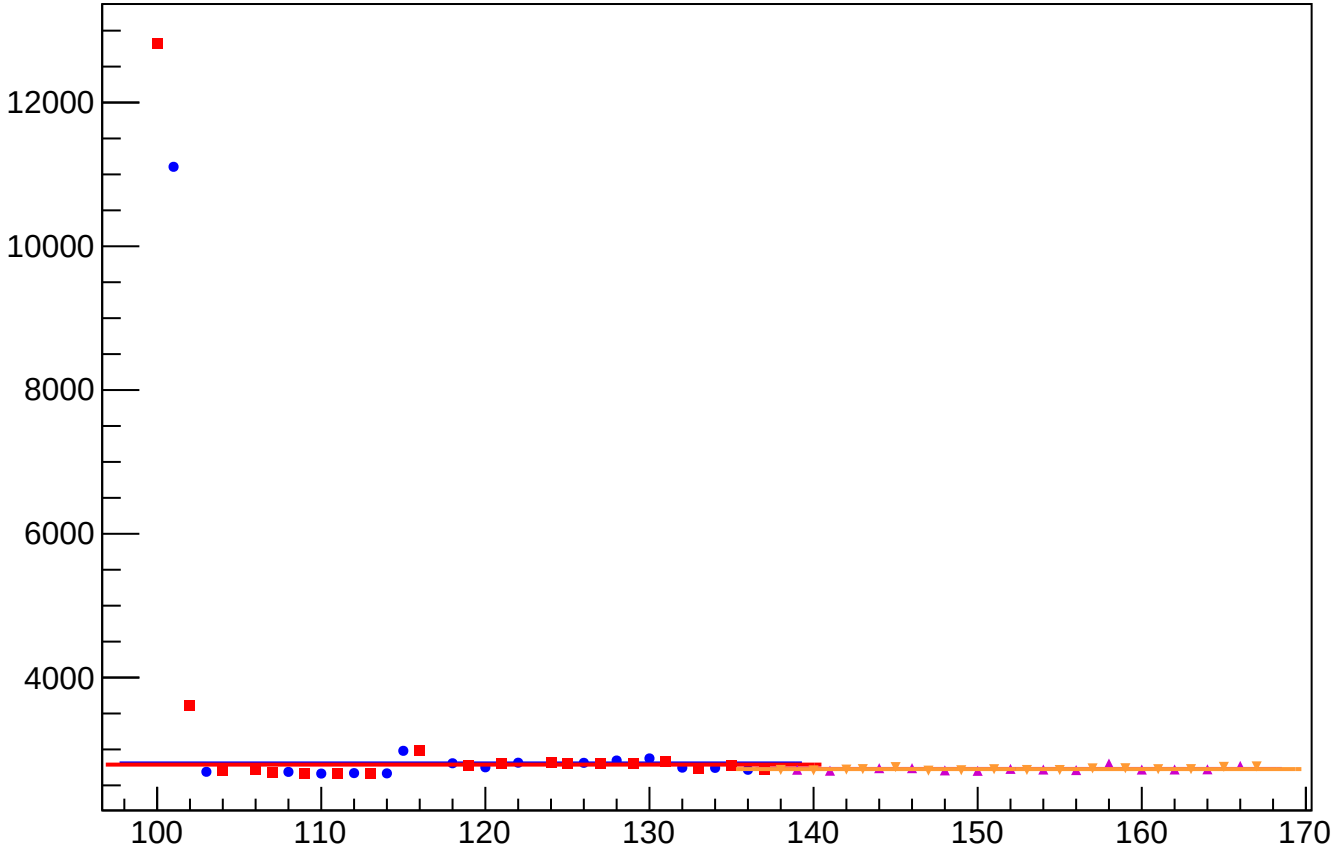
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2336.611+/-642.323 χ^2/NDF:41.0/29

Out: 2580.594+/-616.280 χ^2/NDF:29.5/34

All: 2463.649+/-444.698 χ^2/NDF: 70.6/64

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2726.479+/-0.542 χ^2/NDF:1016.1/15

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2728.555+/-0.568 χ^2/NDF:2122.7/13

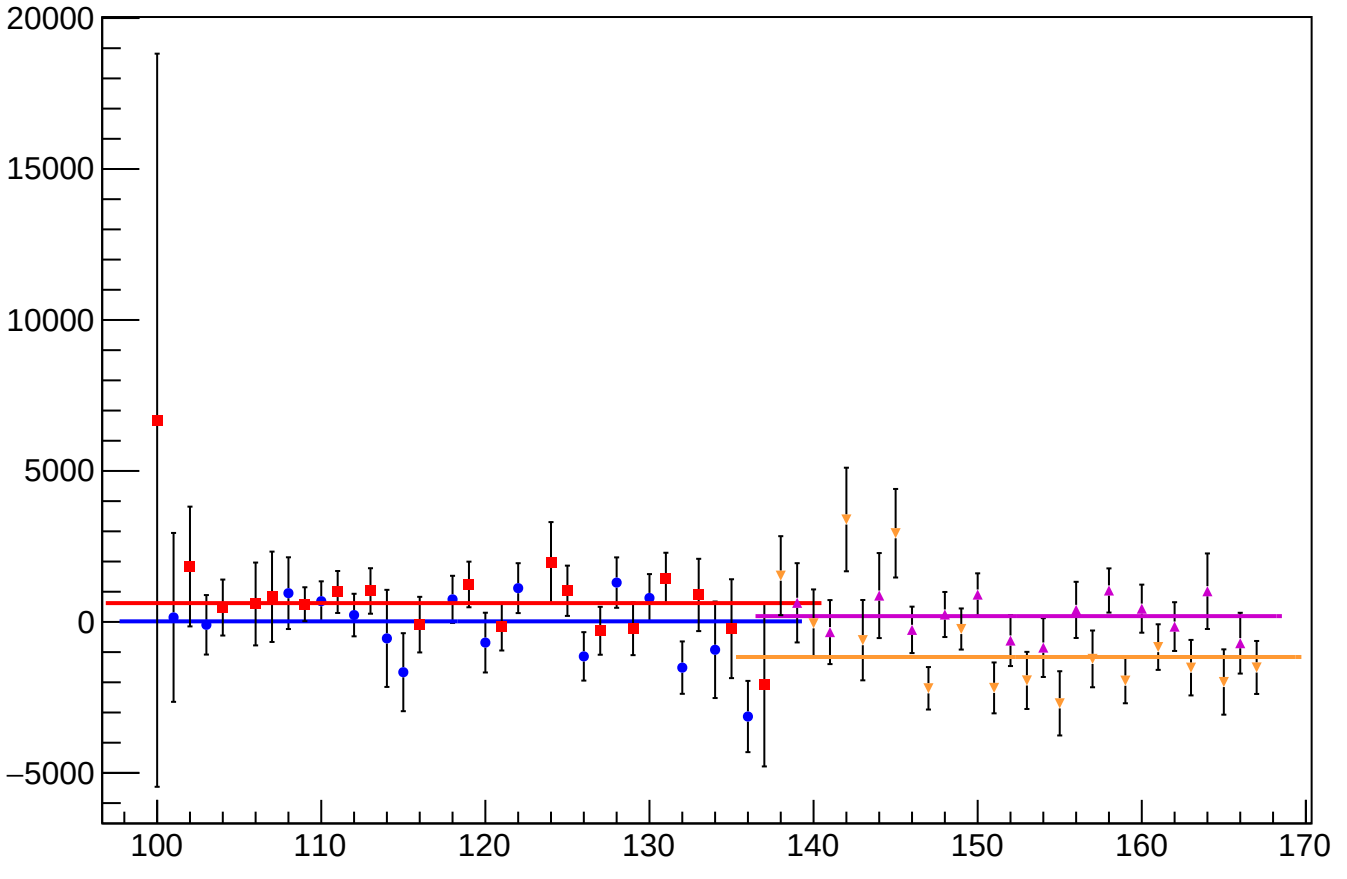
Left: 2727.469+/-0.392 χ^2/NDF: 3145.8/29

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.243+/-0.454 χ^2/NDF:754967.2/29

Out: 2748.562+/-0.436 χ^2/NDF:152696.0/34

All: 2752.244+/-0.314 χ^2/NDF: 907812.2/64



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1161.684+/-233.475 χ^2/NDF:30.7/15

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 191.957+/-237.665 χ^2/NDF:6.9/13

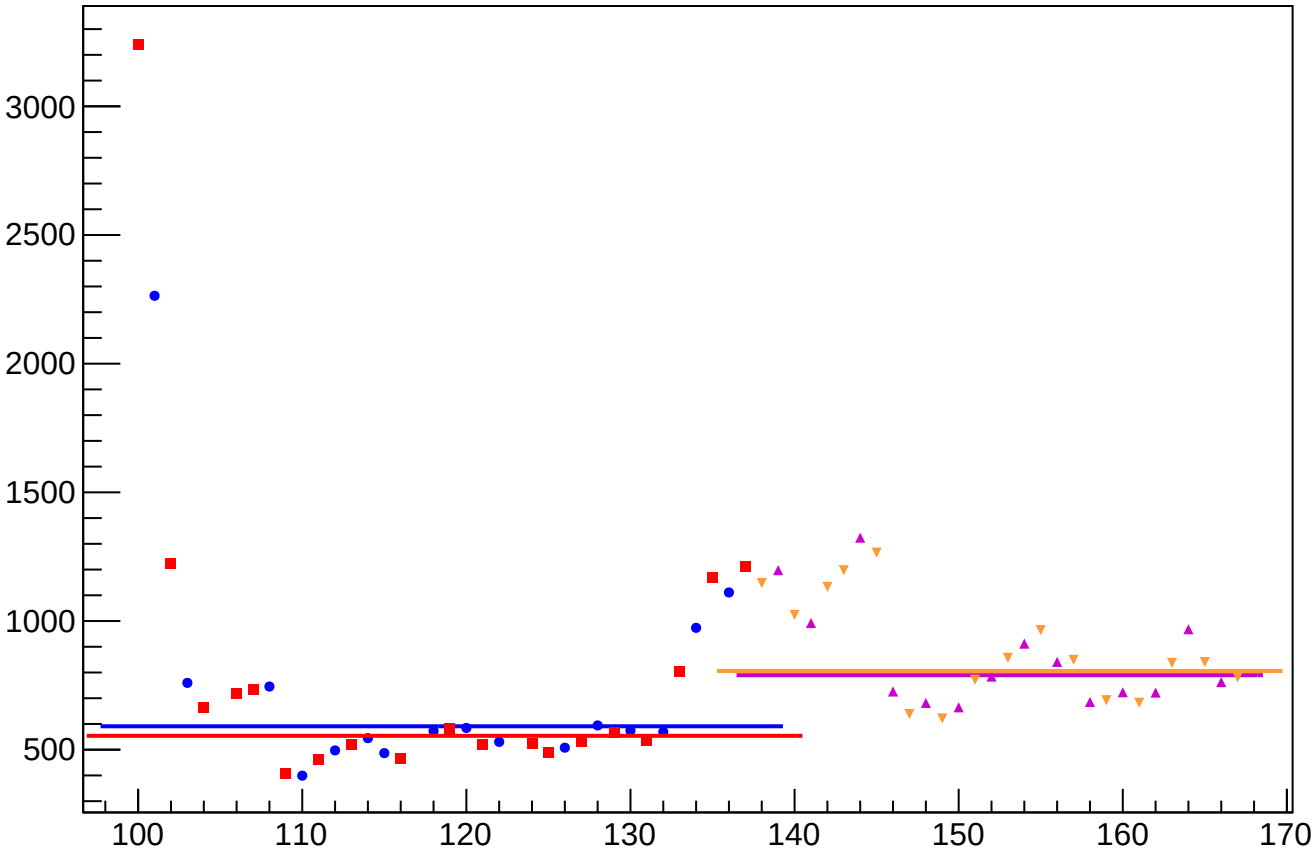
Left: -496.900+/-166.553 χ^2/NDF: 54.2/29

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 103.934+/-166.556 χ^2/NDF:30.0/29

Out: -199.789+/-158.533 χ^2/NDF:71.5/34

All: -55.419+/-114.831 χ^2/NDF: 103.2/64



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 805.723+/-0.165 χ^2/NDF:1077347.9/15

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 789.563+/-0.168 χ^2/NDF:821461.4/13

Left: 797.787+/-0.118 χ^2/NDF: 1903514.8/29

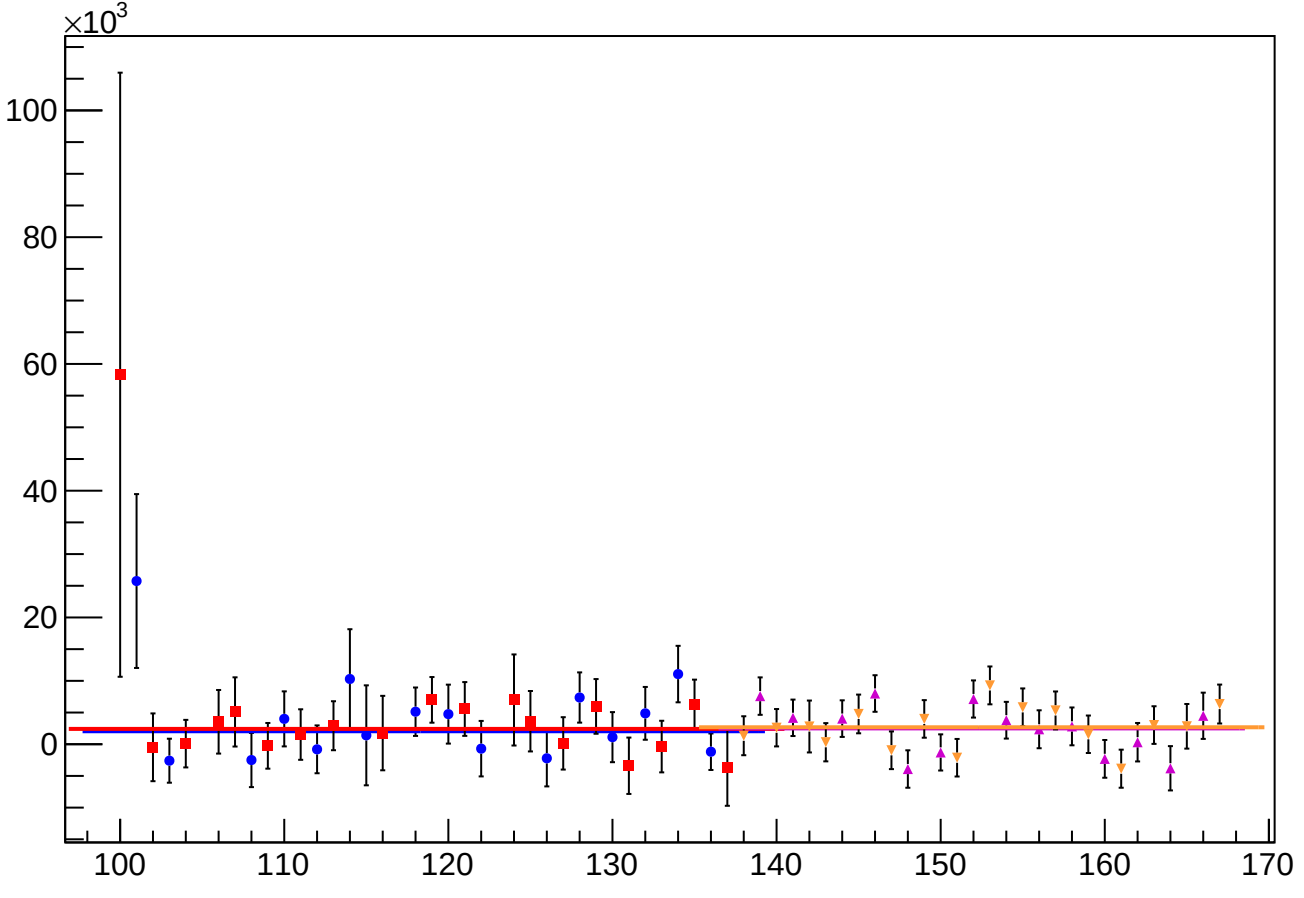
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 688.540+/-0.118 χ^2/NDF:3099239.5/29

Out: 670.050+/-0.112 χ^2/NDF:3447398.5/34

All: 678.839+/-0.081 χ^2/NDF: 6559570.6/64

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2673.194+/-766.899 χ^2/NDF:18.7/15

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2498.235+/-802.964 χ^2/NDF:23.1/13

Left: 2589.732+/-554.591 χ^2/NDF: 41.8/29

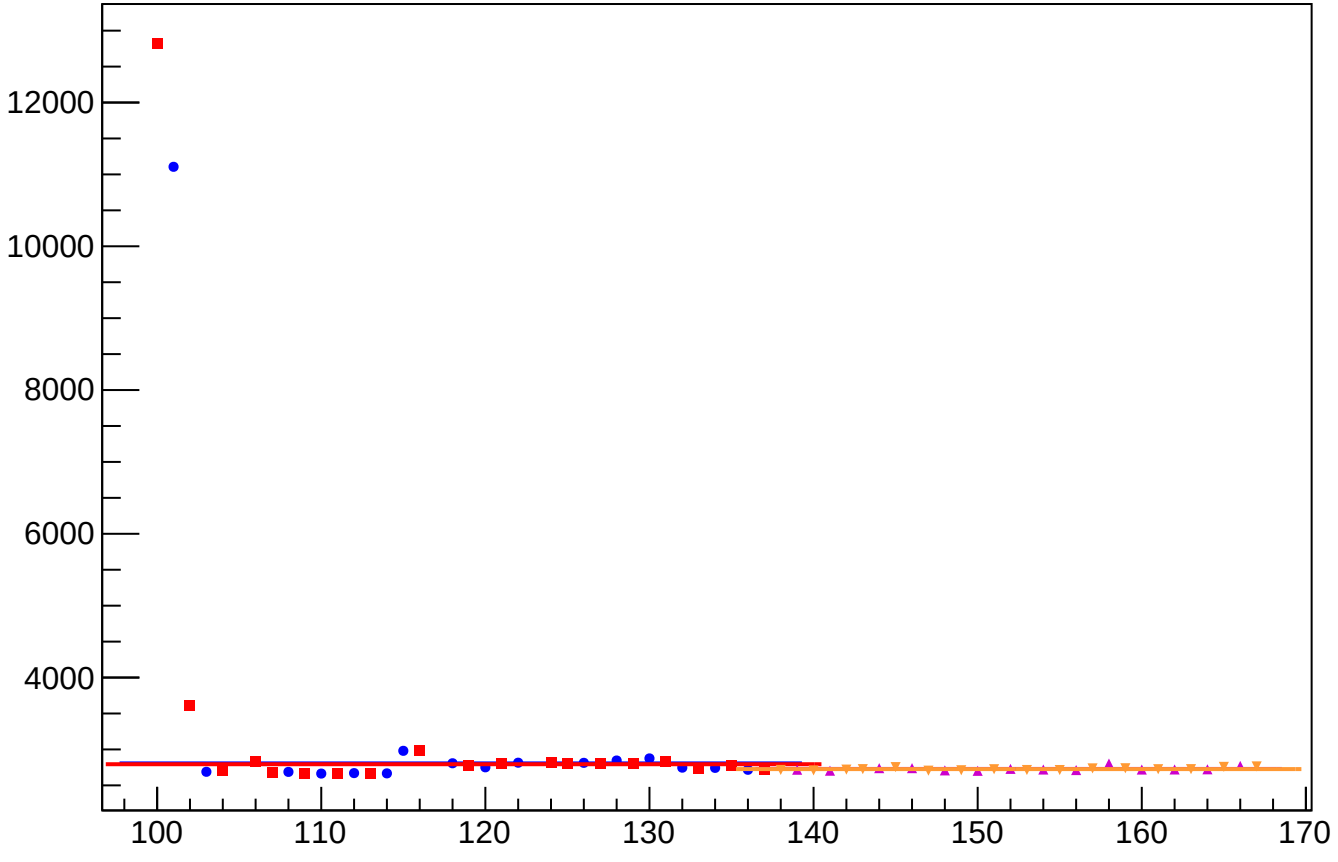
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2336.354+/-642.323 χ^2/NDF:41.0/29

Out: 2583.034+/-616.782 χ^2/NDF:29.5/34

All: 2464.696+/-444.886 χ^2/NDF: 70.6/64

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2726.479+/-0.542 χ^2/NDF:1016.1/15

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2728.555+/-0.568 χ^2/NDF:2122.7/13

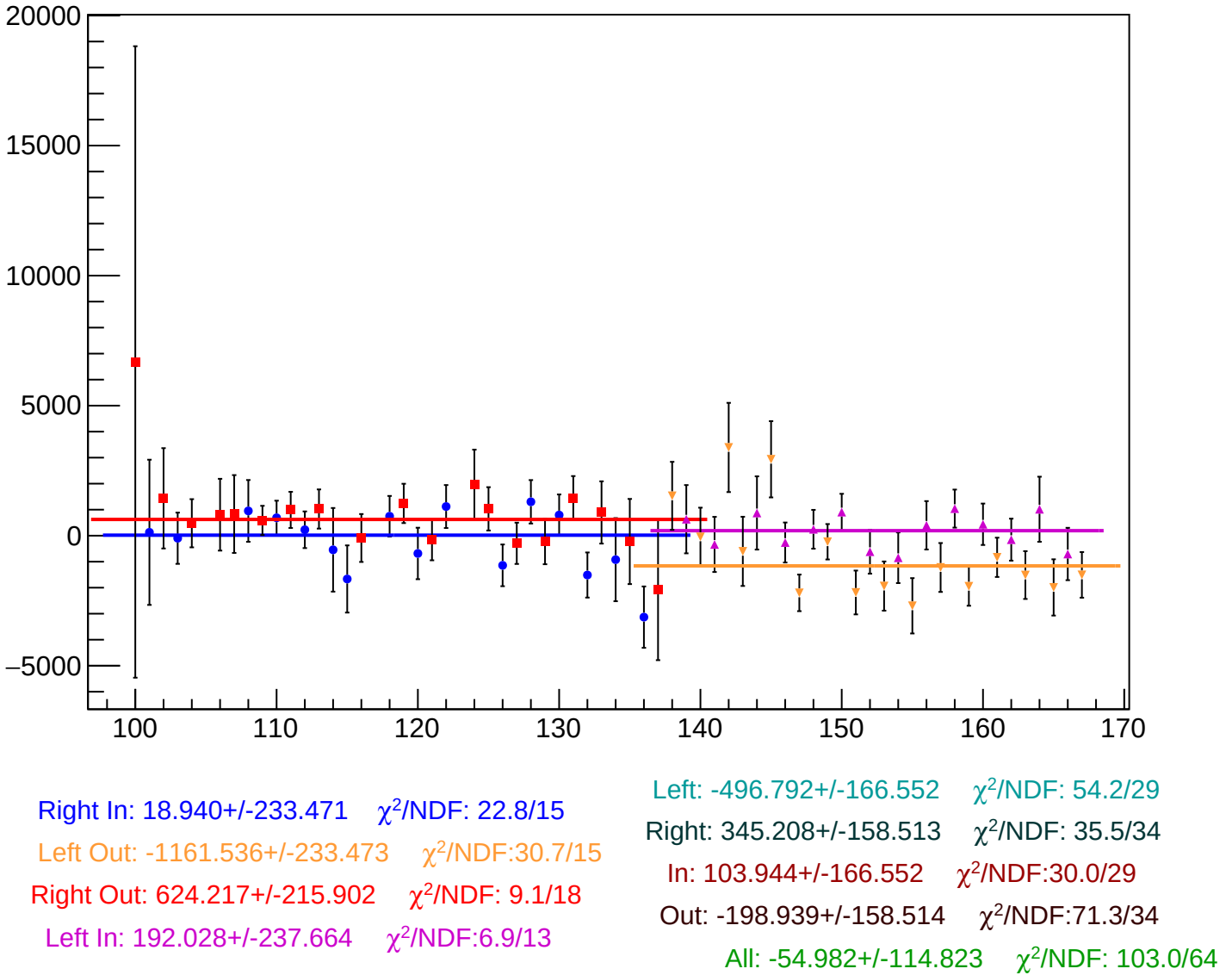
Left: 2727.469+/-0.392 χ^2/NDF: 3145.8/29

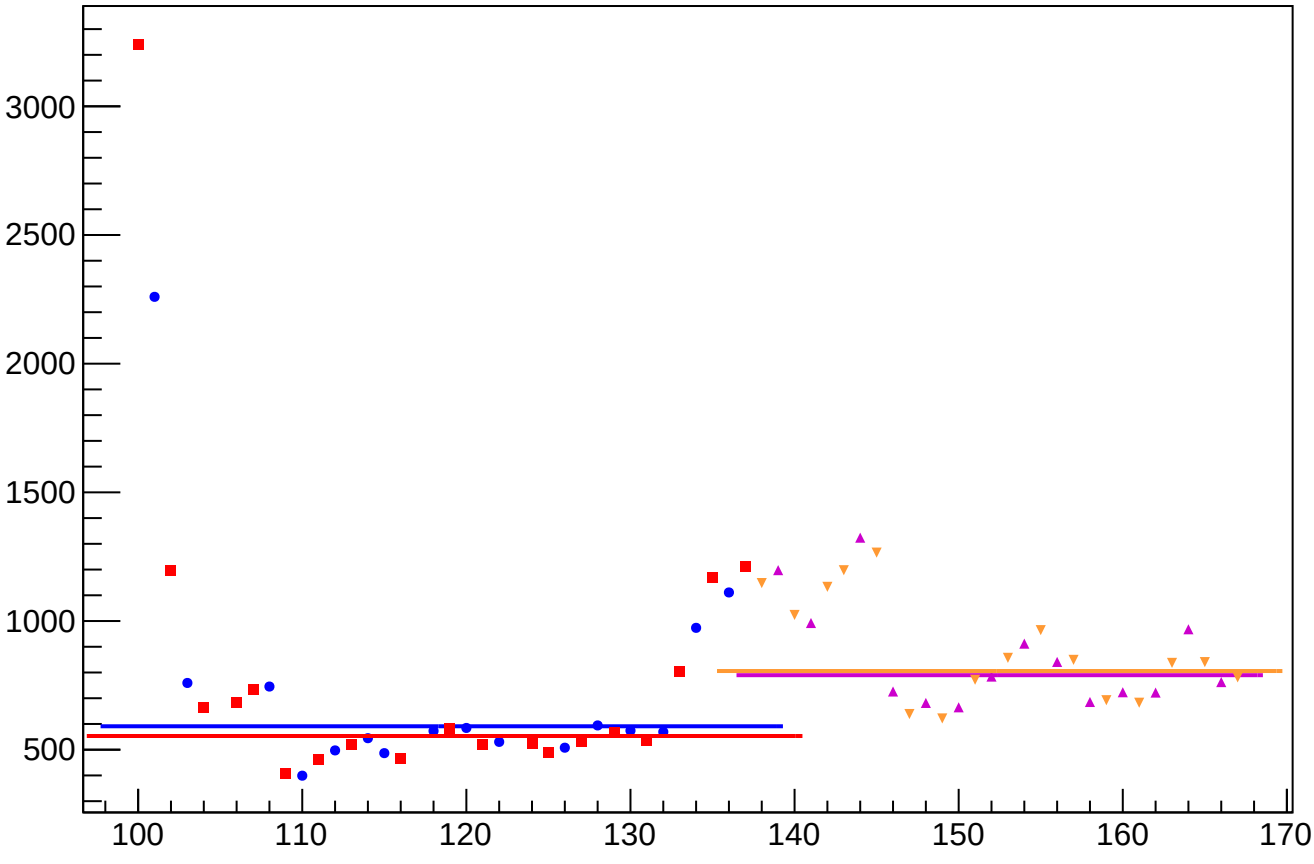
Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.243+/-0.454 χ^2/NDF:754966.3/29

Out: 2750.381+/-0.436 χ^2/NDF:153261.4/34

All: 2753.193+/-0.315 χ^2/NDF: 908314.4/64


asym_atr1_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: 18.940+/-233.471 χ²/NDF: 22.8/15
Left Out: -1161.536+/-233.473 χ²/NDF:30.7/15
Right Out: 624.217+/-215.902 χ²/NDF: 9.1/18
Left In: 192.028+/-237.664 χ²/NDF:6.9/13
Left: -496.792+/-166.552 χ²/NDF: 54.2/29
Right: 345.208+/-158.513 χ²/NDF: 35.5/34
In: 103.944+/-166.552 χ²/NDF:30.0/29
Out: -198.939+/-158.514 χ²/NDF:71.3/34
All: -54.982+/-114.823 χ²/NDF: 103.0/64



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.715+/-0.165 χ^2/NDF:1077371.5/15

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 789.558+/-0.168 χ^2/NDF:821442.7/13

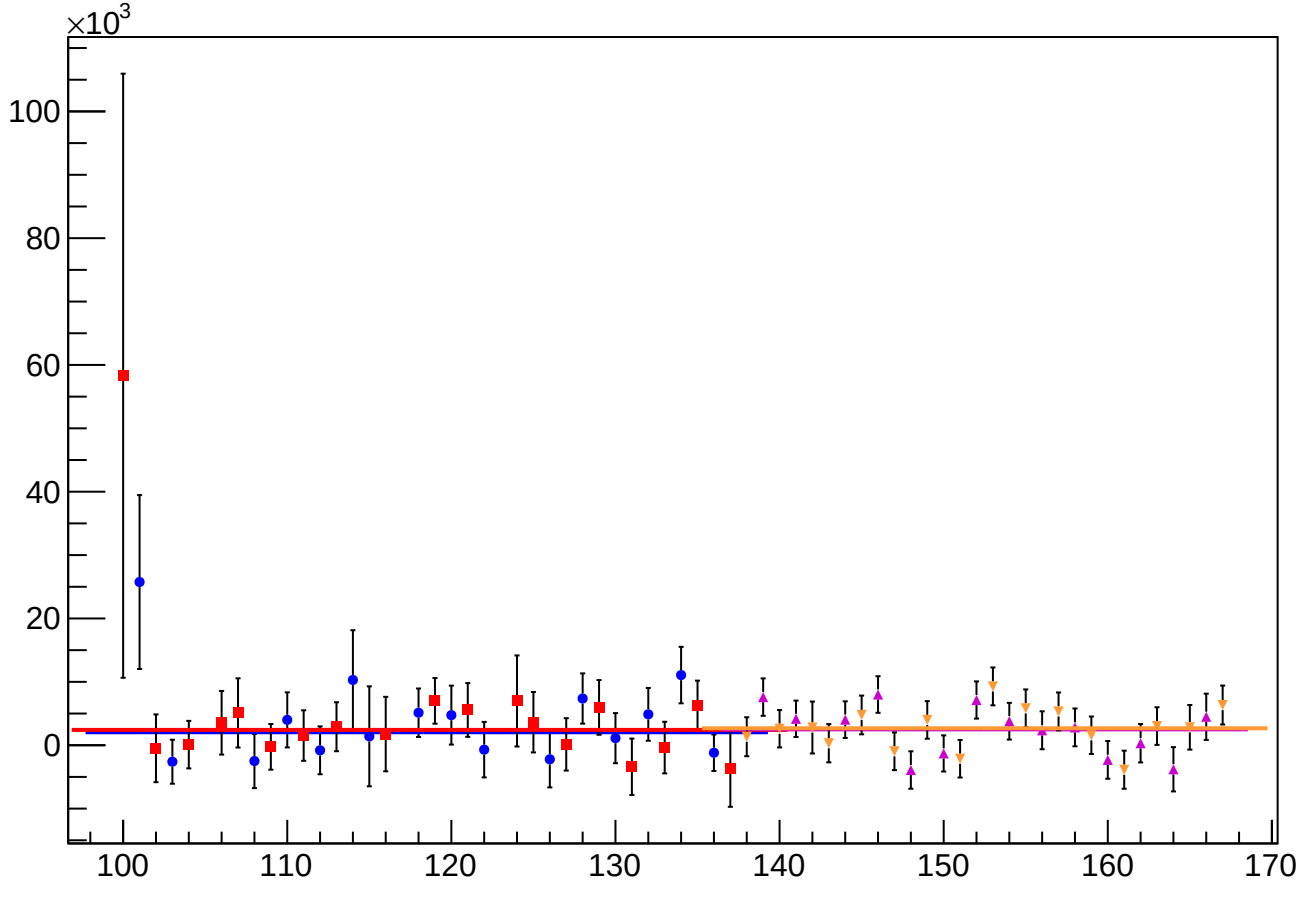
Left: 797.780+/-0.118 χ^2/NDF: 1903517.8/29

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 688.533+/-0.118 χ^2/NDF:3098210.7/29

Out: 669.616+/-0.112 χ^2/NDF:3439804.1/34

All: 678.607+/-0.081 χ^2/NDF: 6551551.9/64



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2673.194+/-766.899 χ^2/NDF:18.7/15

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2498.235+/-802.964 χ^2/NDF:23.1/13

Left: 2589.732+/-554.591 χ^2/NDF: 41.8/29

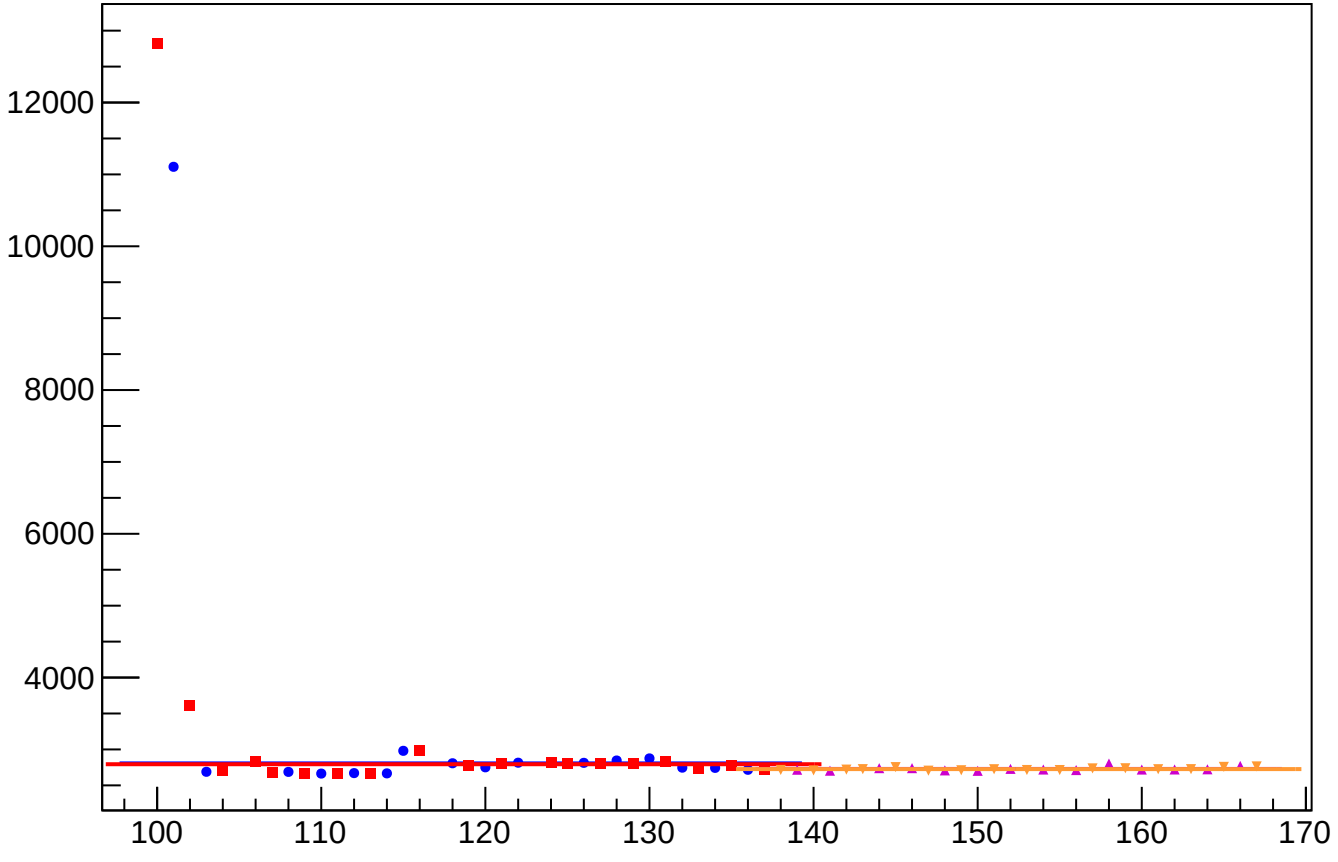
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2336.354+/-642.323 χ^2/NDF:41.0/29

Out: 2583.034+/-616.782 χ^2/NDF:29.5/34

All: 2464.696+/-444.886 χ^2/NDF: 70.6/64

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2726.479+/-0.542 χ^2/NDF:1016.1/15

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2728.555+/-0.568 χ^2/NDF:2122.7/13

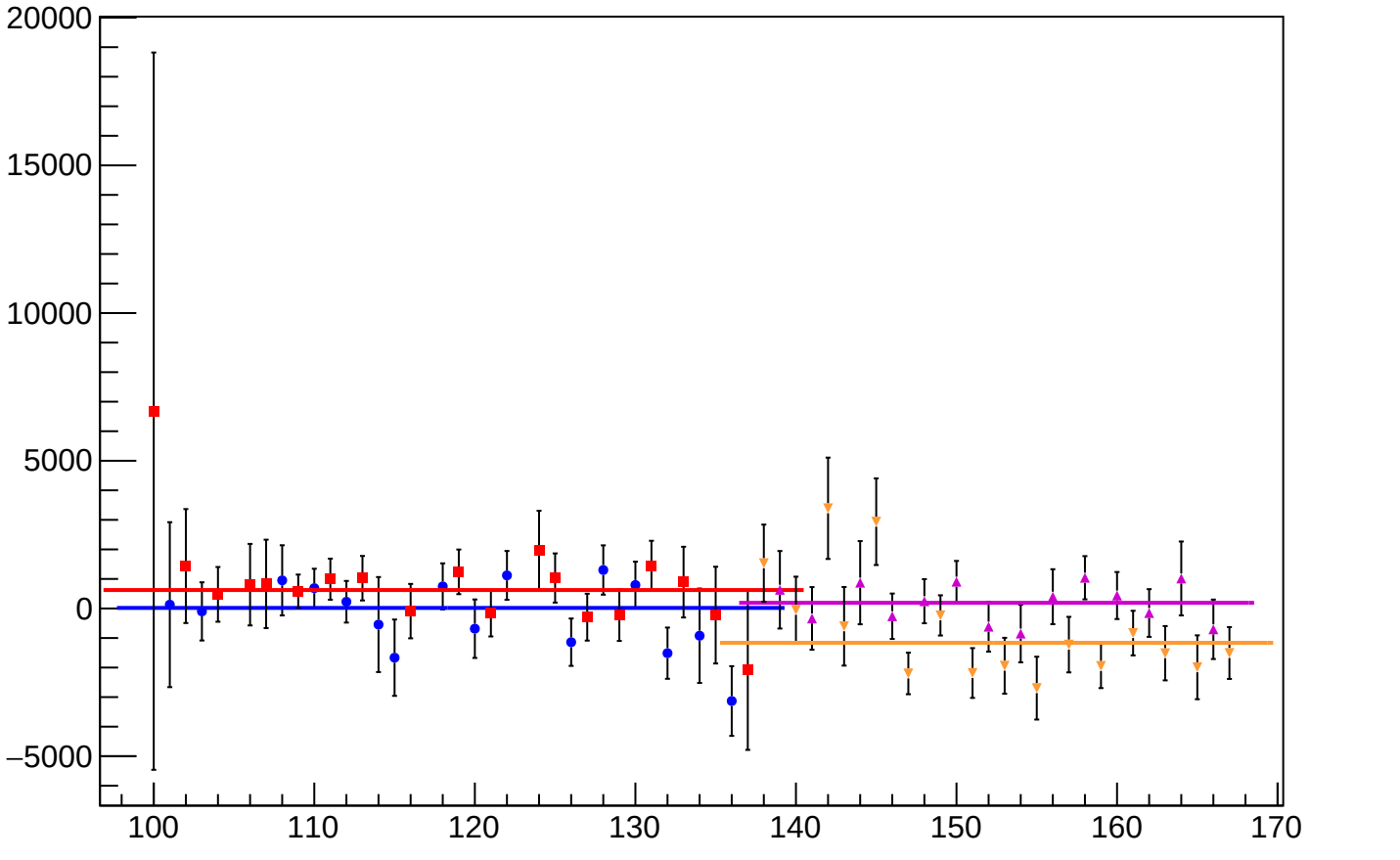
Left: 2727.469+/-0.392 χ^2/NDF: 3145.8/29

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.243+/-0.454 χ^2/NDF:754966.3/29

Out: 2750.381+/-0.436 χ^2/NDF:153261.4/34

All: 2753.193+/-0.315 χ^2/NDF: 908314.4/64


asym_atr1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
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−5000
100
110
120
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140
150
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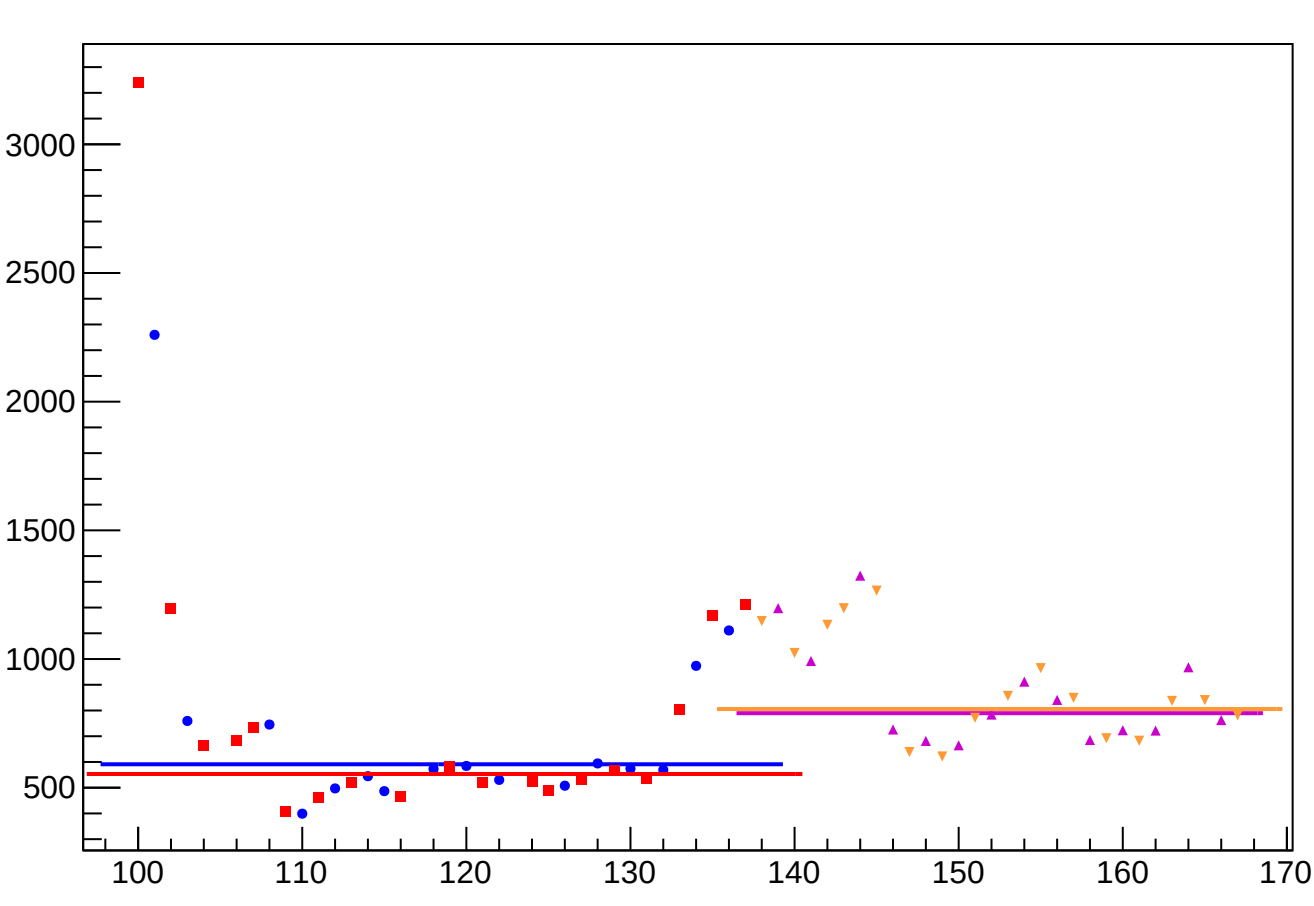
170
Right In: 18.940+/-233.471 χ²/NDF: 22.8/15
Left Out: -1161.536+/-233.473 χ²/NDF:30.7/15
Right Out: 624.217+/-215.902 χ²/NDF: 9.1/18
Left In: 192.028+/-237.664 χ²/NDF:6.9/13
Left: -496.792+/-166.552 χ²/NDF: 54.2/29
Right: 345.208+/-158.513 χ²/NDF: 35.5/34
In: 103.944+/-166.552 χ²/NDF:30.0/29
Out: -198.939+/-158.514 χ²/NDF:71.3/34
All: -54.982+/-114.823 χ²/NDF: 103.0/64



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.715+/-0.165 χ^2/NDF:1077371.5/15

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 789.558+/-0.168 χ^2/NDF:821442.7/13

Left: 797.780+/-0.118 χ^2/NDF: 1903517.8/29

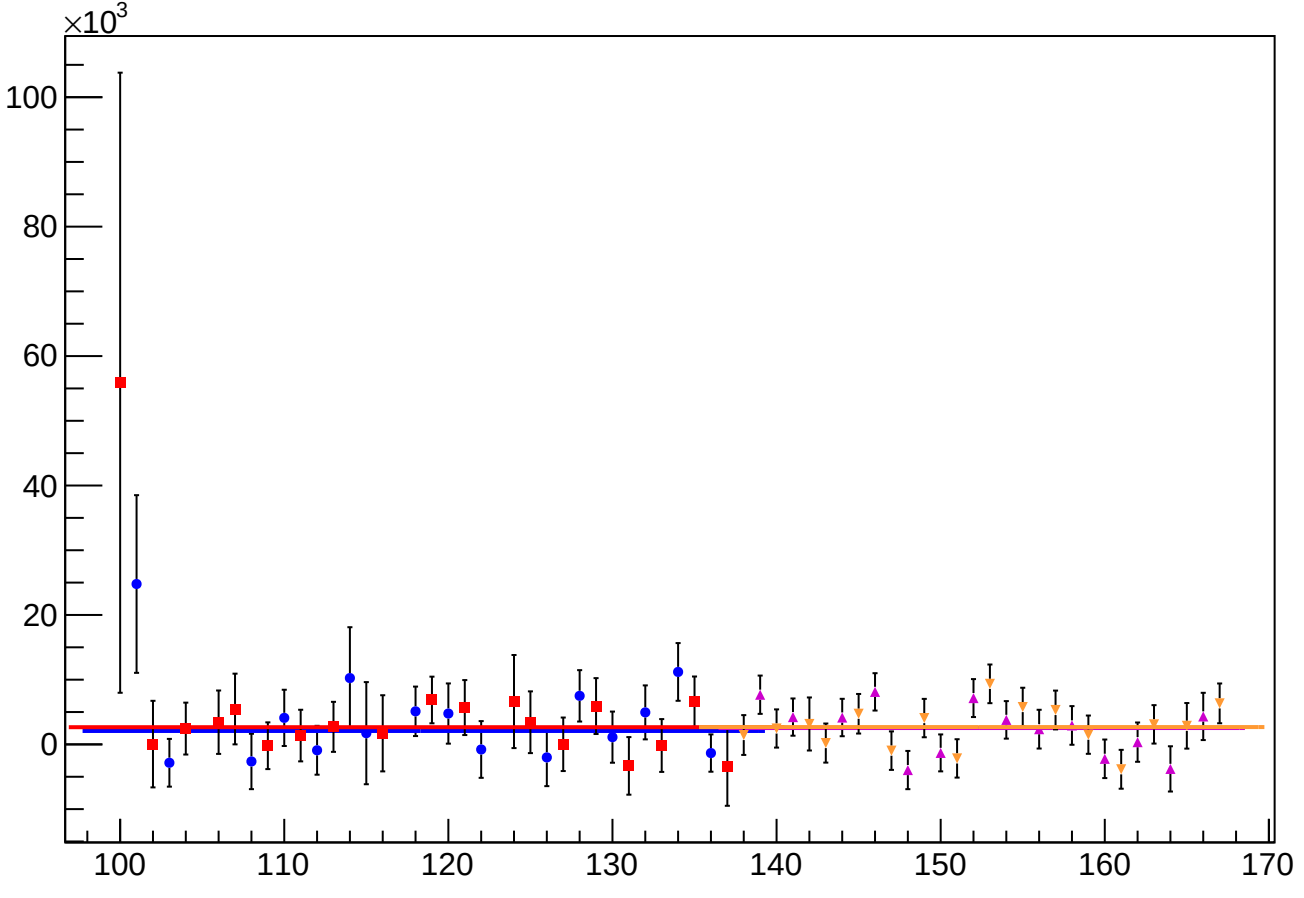
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 688.533+/-0.118 χ^2/NDF:3098210.7/29

Out: 669.616+/-0.112 χ^2/NDF:3439804.1/34

All: 678.607+/-0.081 χ^2/NDF: 6551551.9/64

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2677.397+/-767.449 χ^2/NDF:18.9/15

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2529.053+/-803.444 χ^2/NDF:23.3/13

Left: 2606.623+/-554.957 χ^2/NDF: 42.2/29

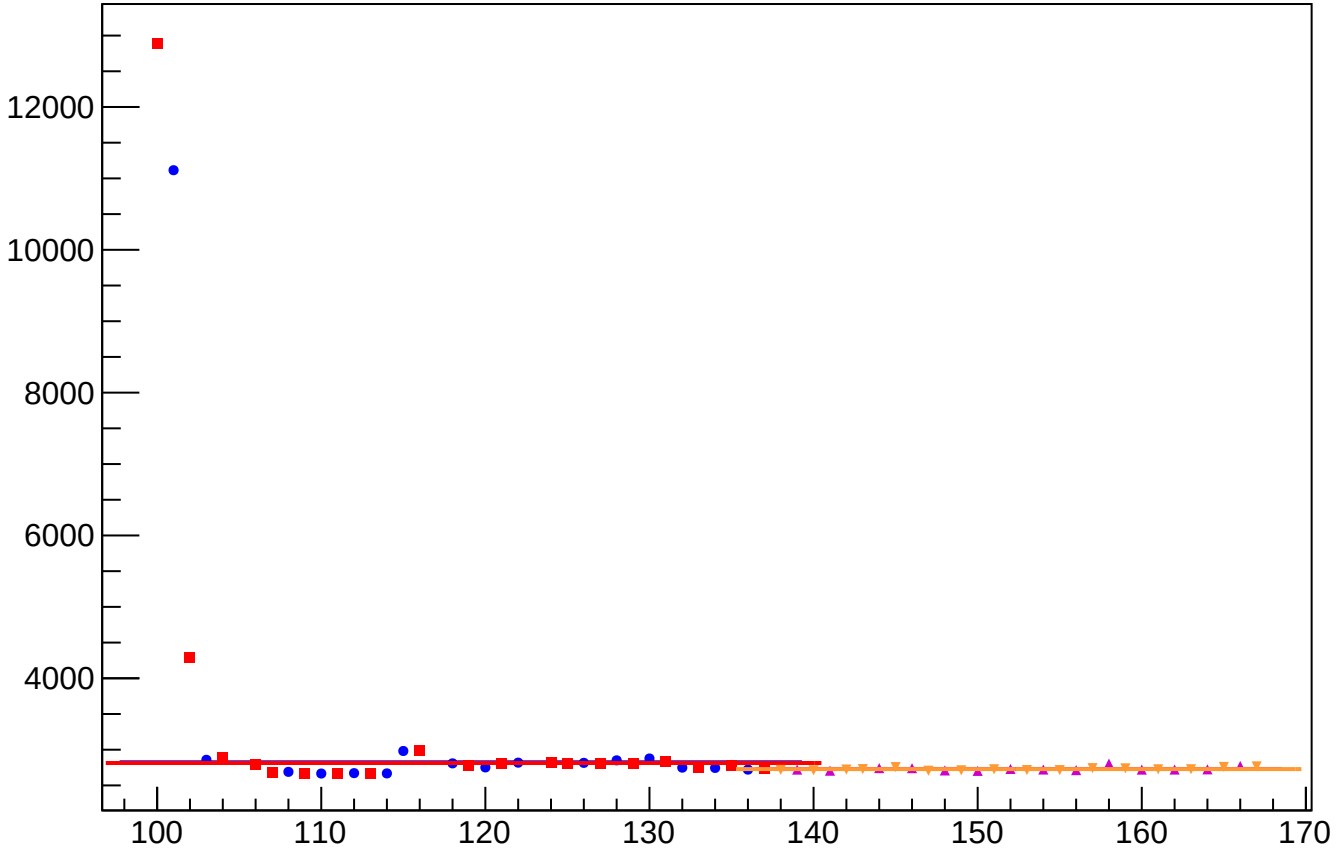
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2366.662+/-644.028 χ^2/NDF:41.3/29

Out: 2670.399+/-619.564 χ^2/NDF:28.8/34

All: 2524.409+/-446.496 χ^2/NDF: 70.2/64

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2728.423+/-0.543 χ^2/NDF:1054.7/15

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2730.176+/-0.568 χ^2/NDF:2136.9/13

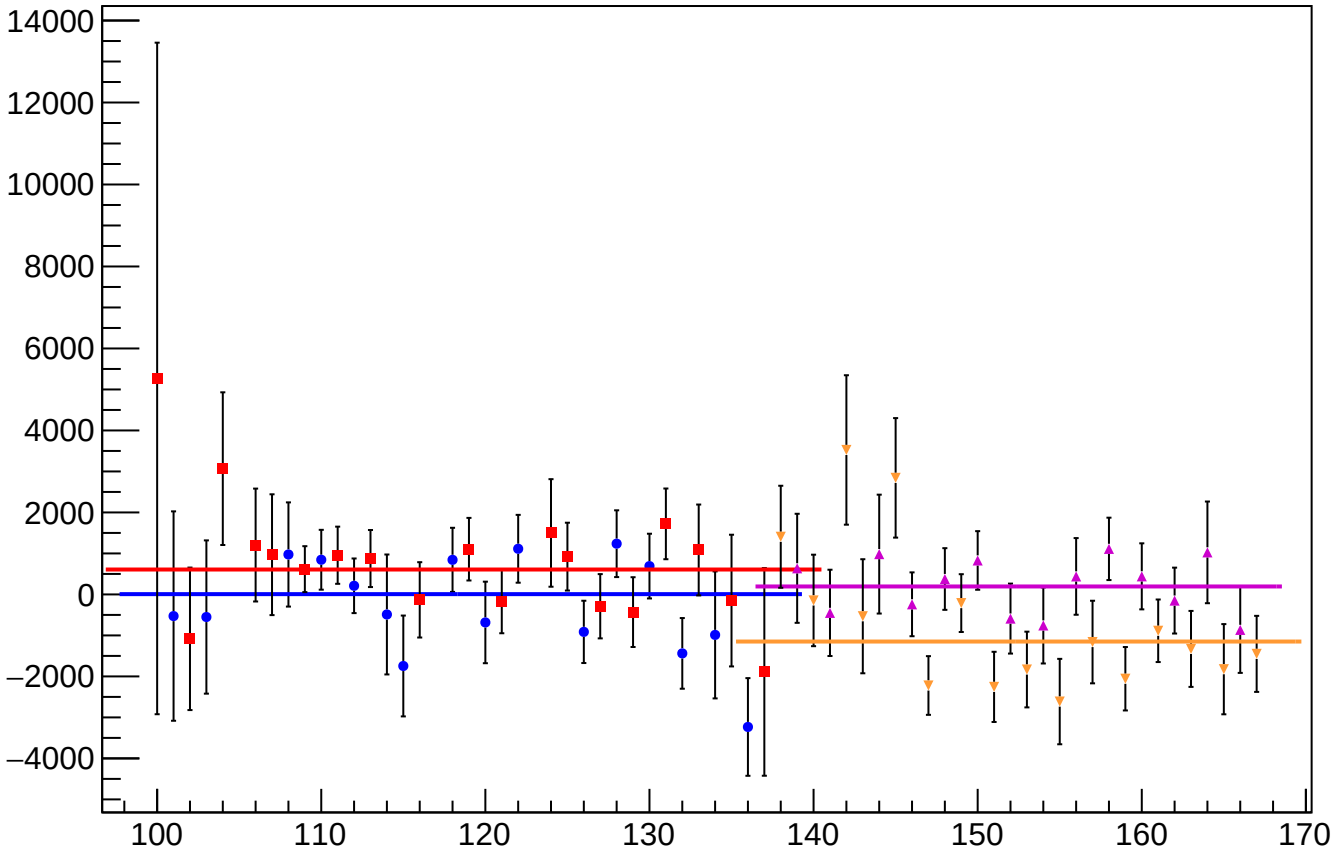
Left: 2729.259+/-0.392 χ^2/NDF: 3196.6/29

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

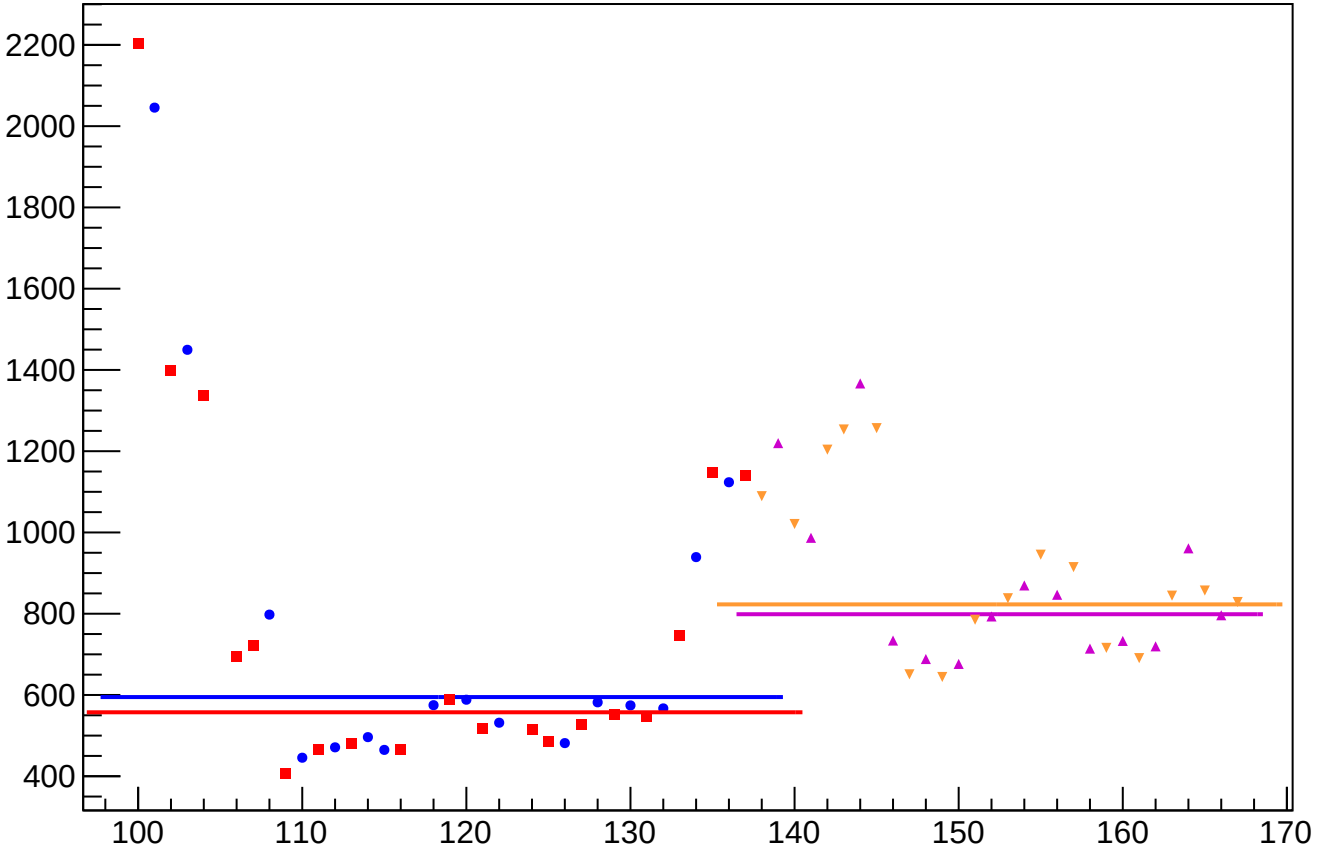
In: 2763.517+/-0.455 χ^2/NDF:755688.1/29

Out: 2758.164+/-0.438 χ^2/NDF:210191.1/34

All: 2760.737+/-0.316 χ^2/NDF: 965950.9/64


asym_atr1_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 7.048+/-237.455 χ²/NDF: 22.8/15
Left Out: -1149.276+/-237.795 χ²/NDF:29.5/15
Right Out: 607.647+/-217.093 χ²/NDF: 12.2/18
Left In: 194.172+/-239.928 χ²/NDF:7.1/13
Left: -483.549+/-168.896 χ²/NDF: 52.4/29
Right: 334.198+/-160.224 χ²/NDF: 38.5/34
In: 99.641+/-168.774 χ²/NDF:30.2/29
Out: -191.023+/-160.328 χ²/NDF:71.4/34
All: -53.145+/-116.240 χ²/NDF: 103.2/64

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 822.974+/-0.168 χ^2/NDF:1004394.6/15

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 798.758+/-0.170 χ^2/NDF:795234.9/13

Left: 810.975+/-0.119 χ^2/NDF: 1809907.5/29

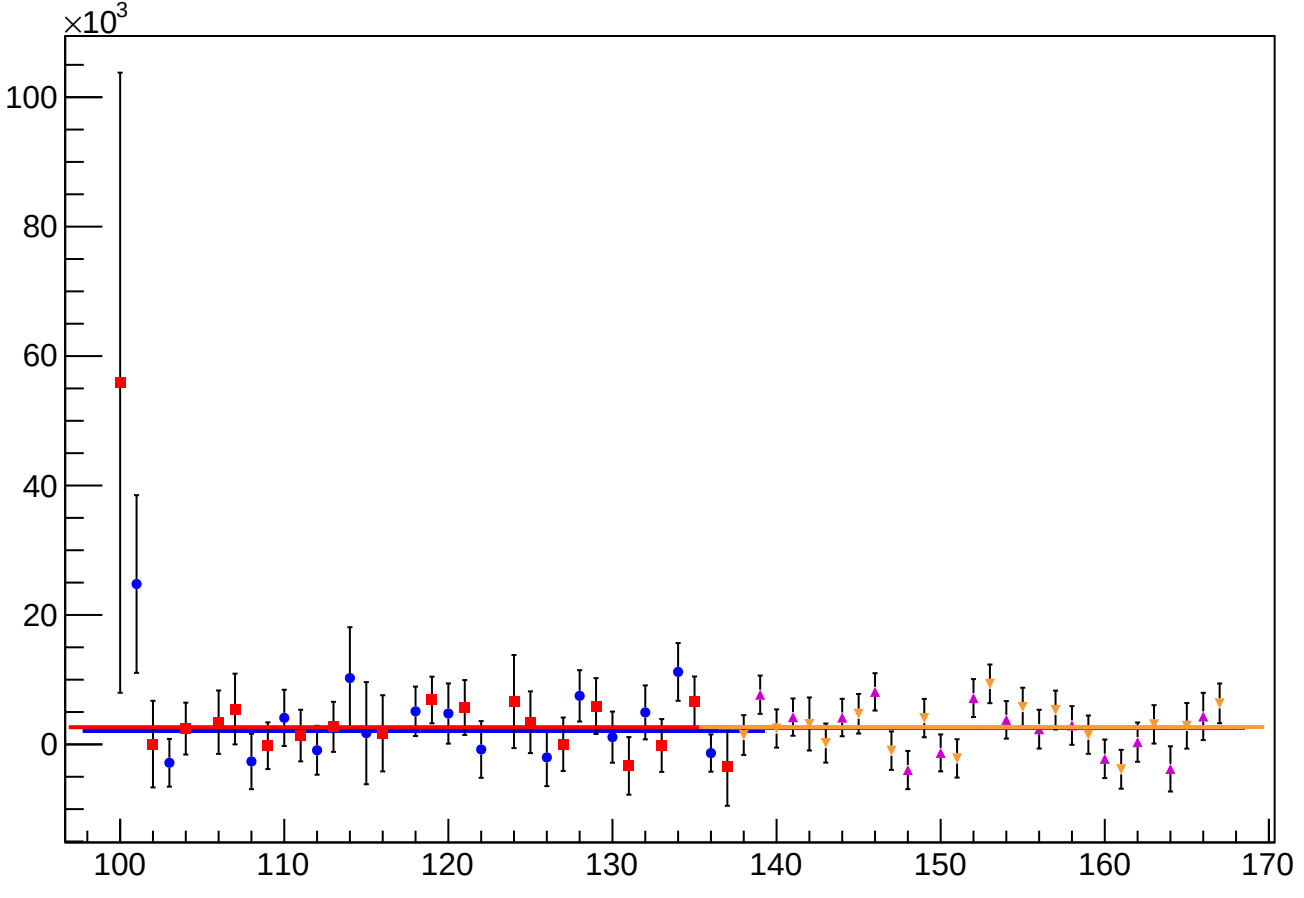
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 695.752+/-0.119 χ^2/NDF:3377603.8/29

Out: 678.124+/-0.113 χ^2/NDF:3996314.0/34

All: 686.486+/-0.082 χ^2/NDF: 7385386.1/64

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2677.398+/-767.449 χ^2/NDF:18.9/15

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2529.053+/-803.444 χ^2/NDF:23.3/13

Left: 2606.623+/-554.957 χ^2/NDF: 42.2/29

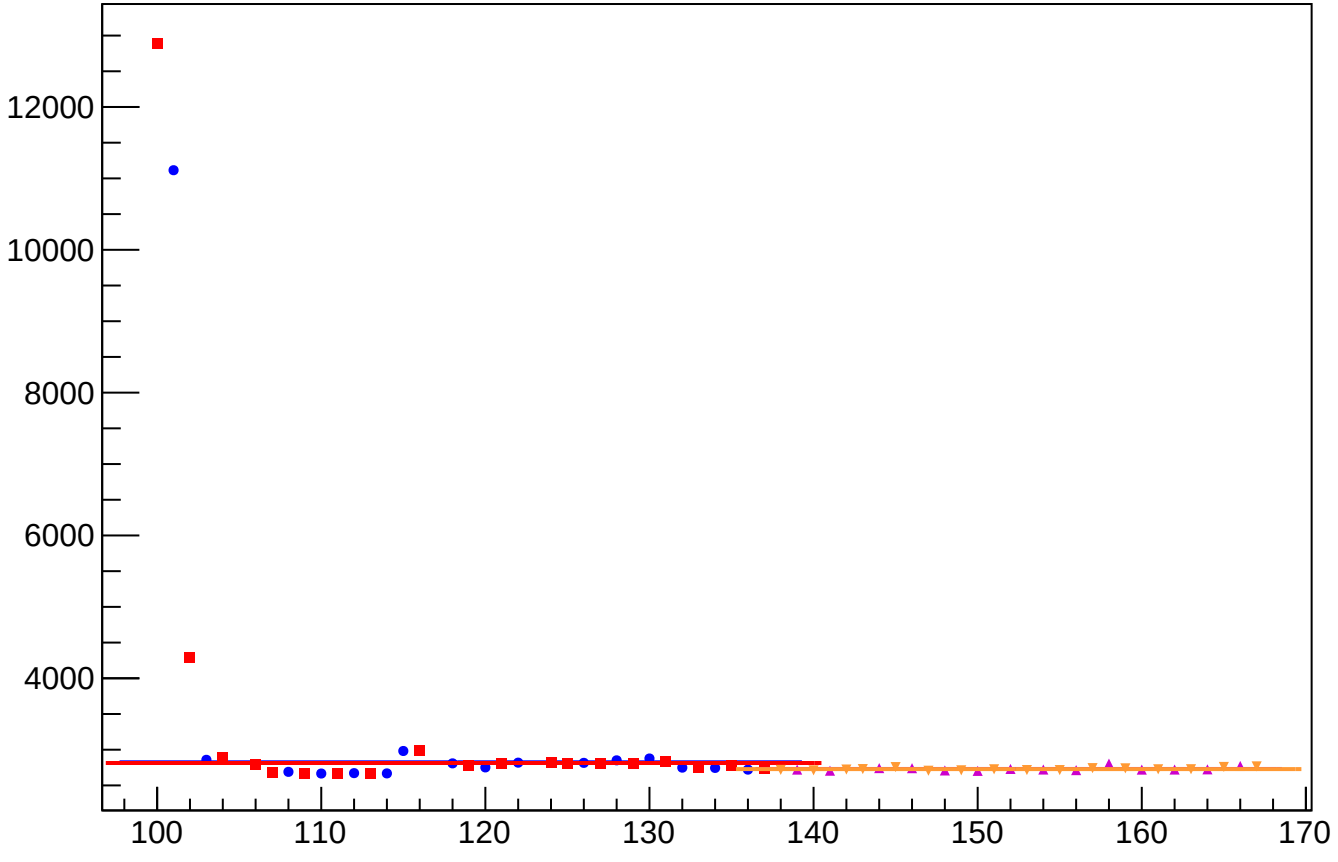
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2366.662+/-644.028 χ^2/NDF:41.3/29

Out: 2670.399+/-619.564 χ^2/NDF:28.8/34

All: 2524.408+/-446.496 χ^2/NDF: 70.2/64

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2728.423+/-0.543 χ^2/NDF:1054.7/15

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2730.176+/-0.568 χ^2/NDF:2136.9/13

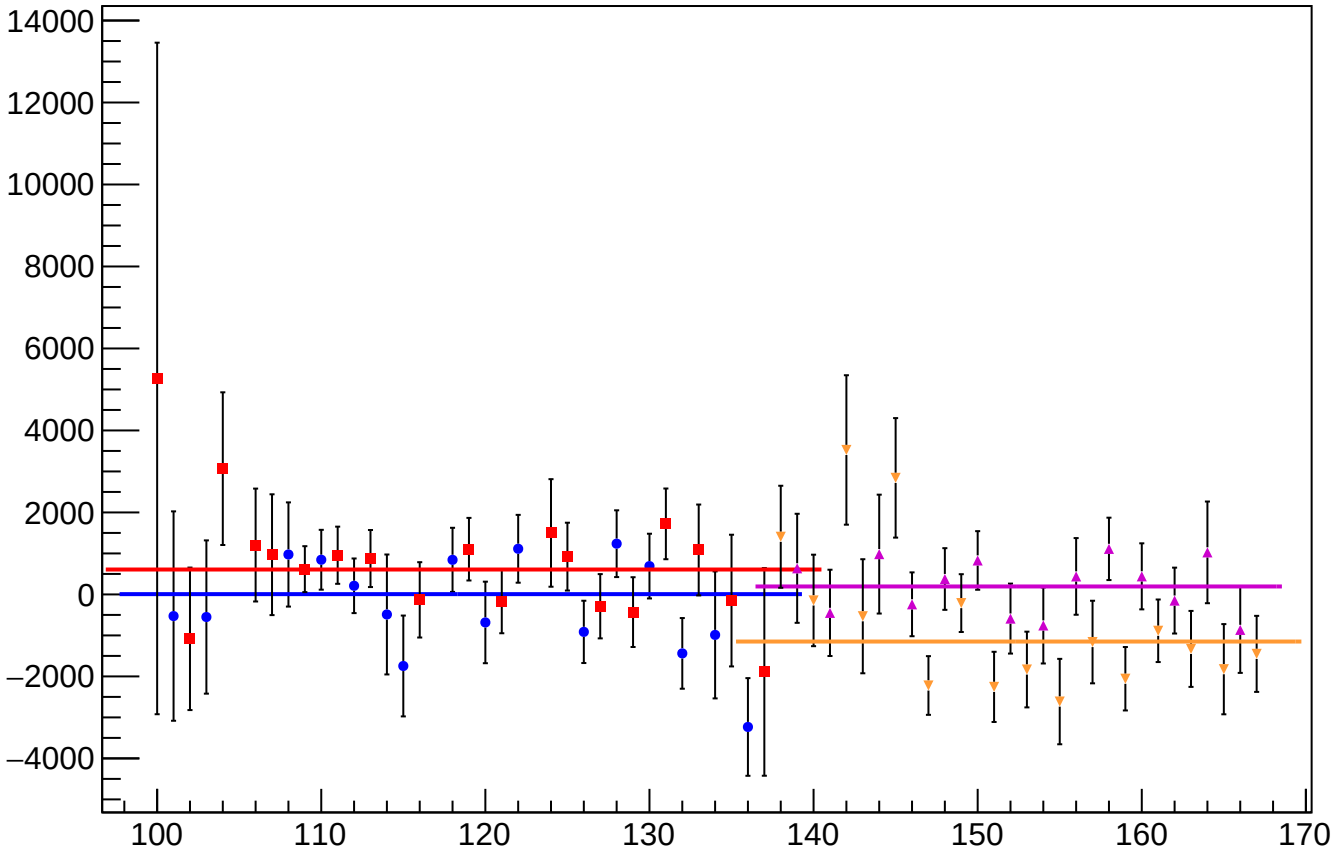
Left: 2729.259+/-0.392 χ^2/NDF: 3196.6/29

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.517+/-0.455 χ^2/NDF:755688.1/29

Out: 2758.164+/-0.438 χ^2/NDF:210190.8/34

All: 2760.737+/-0.316 χ^2/NDF: 965950.7/64



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1149.277+/-237.795 χ^2/NDF:29.5/15

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 194.172+/-239.928 χ^2/NDF:7.1/13

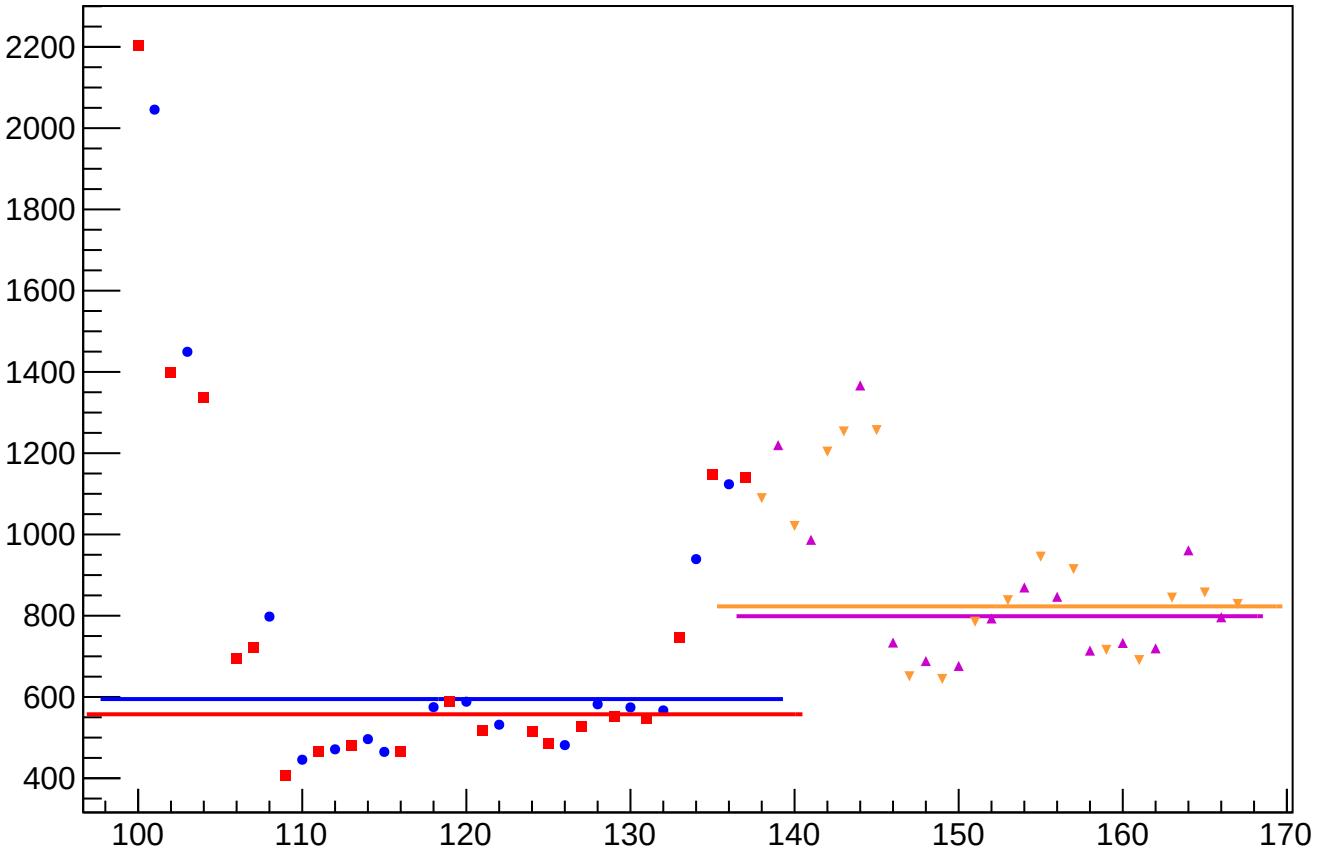
Left: -483.549+/-168.896 χ^2/NDF: 52.4/29

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 99.641+/-168.774 χ^2/NDF:30.2/29

Out: -191.024+/-160.328 χ^2/NDF:71.4/34

All: -53.145+/-116.240 χ^2/NDF: 103.2/64



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 822.975+/-0.168 χ^2/NDF:1004396.7/15

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 798.758+/-0.170 χ^2/NDF:795237.0/13

Left: 810.975+/-0.119 χ^2/NDF: 1809911.8/29

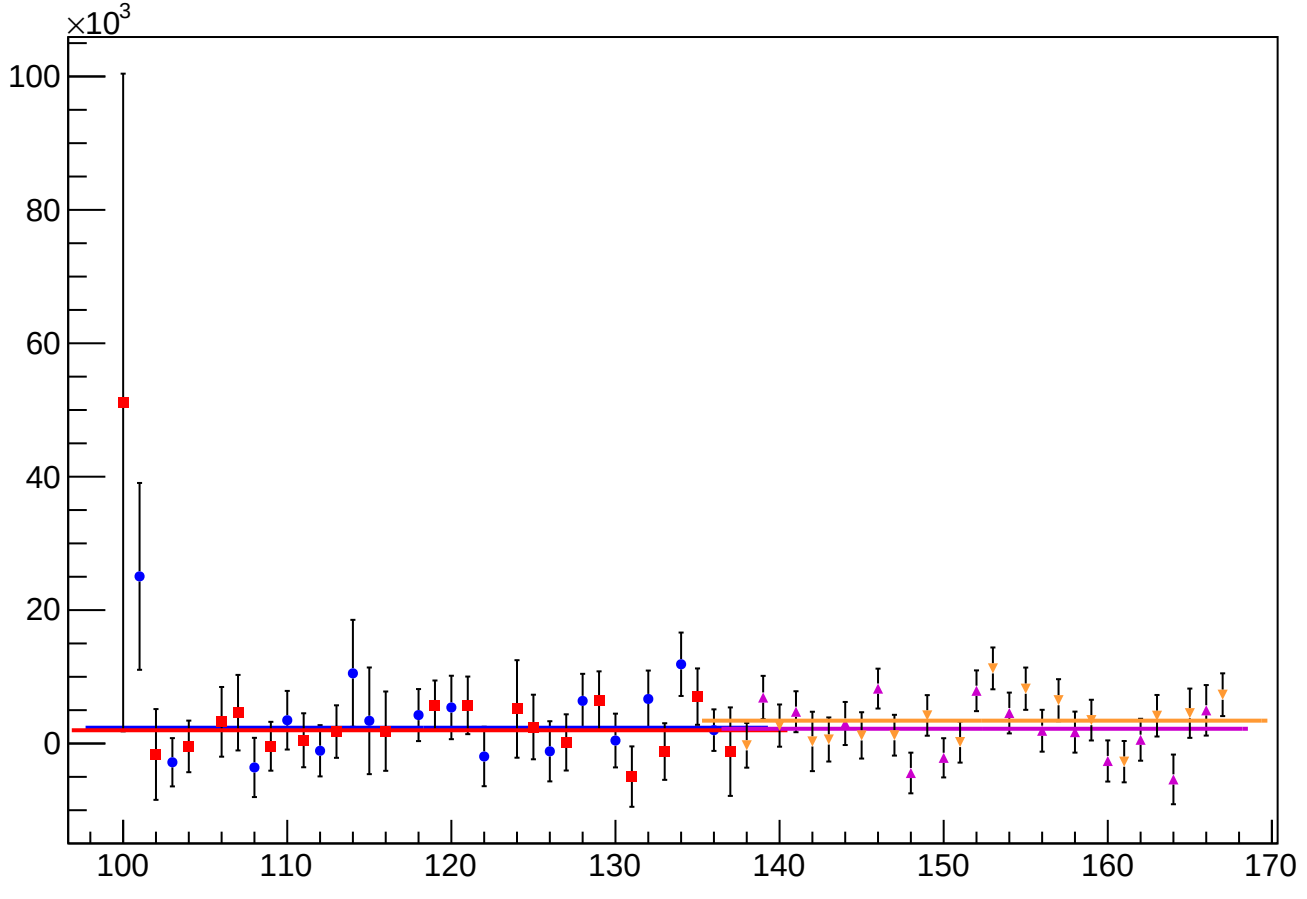
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 695.752+/-0.119 χ^2/NDF:3377596.3/29

Out: 678.125+/-0.113 χ^2/NDF:3996312.2/34

All: 686.486+/-0.082 χ^2/NDF: 7385376.9/64

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3426.056+/-810.764 χ^2/NDF:19.6/15

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2209.226+/-844.698 χ^2/NDF:25.3/13

Left: 2842.573+/-584.926 χ^2/NDF: 46.0/29

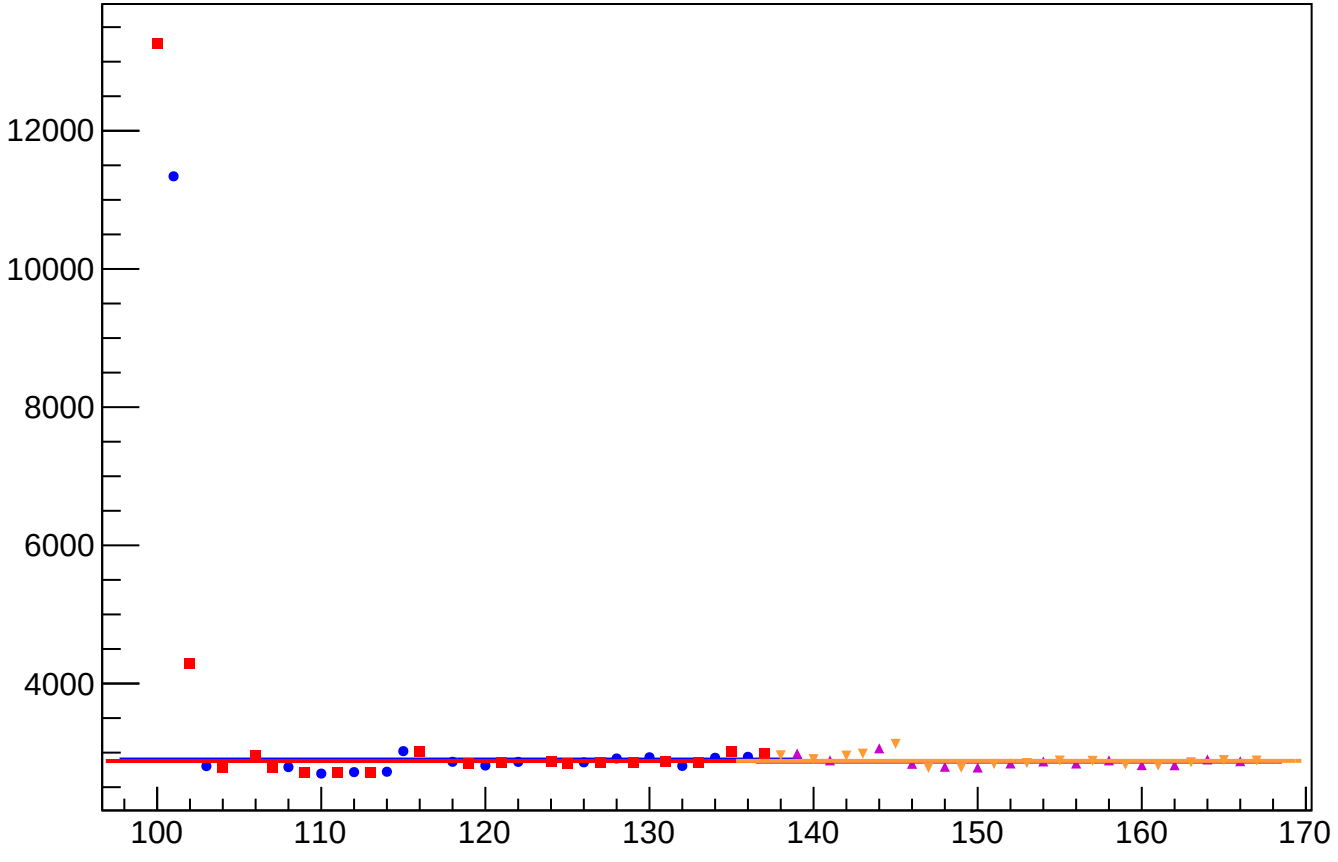
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2267.402+/-671.350 χ^2/NDF:42.2/29

Out: 2904.493+/-647.372 χ^2/NDF:31.0/34

All: 2597.528+/-466.008 χ^2/NDF: 73.7/64

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2880.837+/-0.573 χ^2/NDF:20534.5/15

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2869.342+/-0.597 χ^2/NDF:14469.1/13

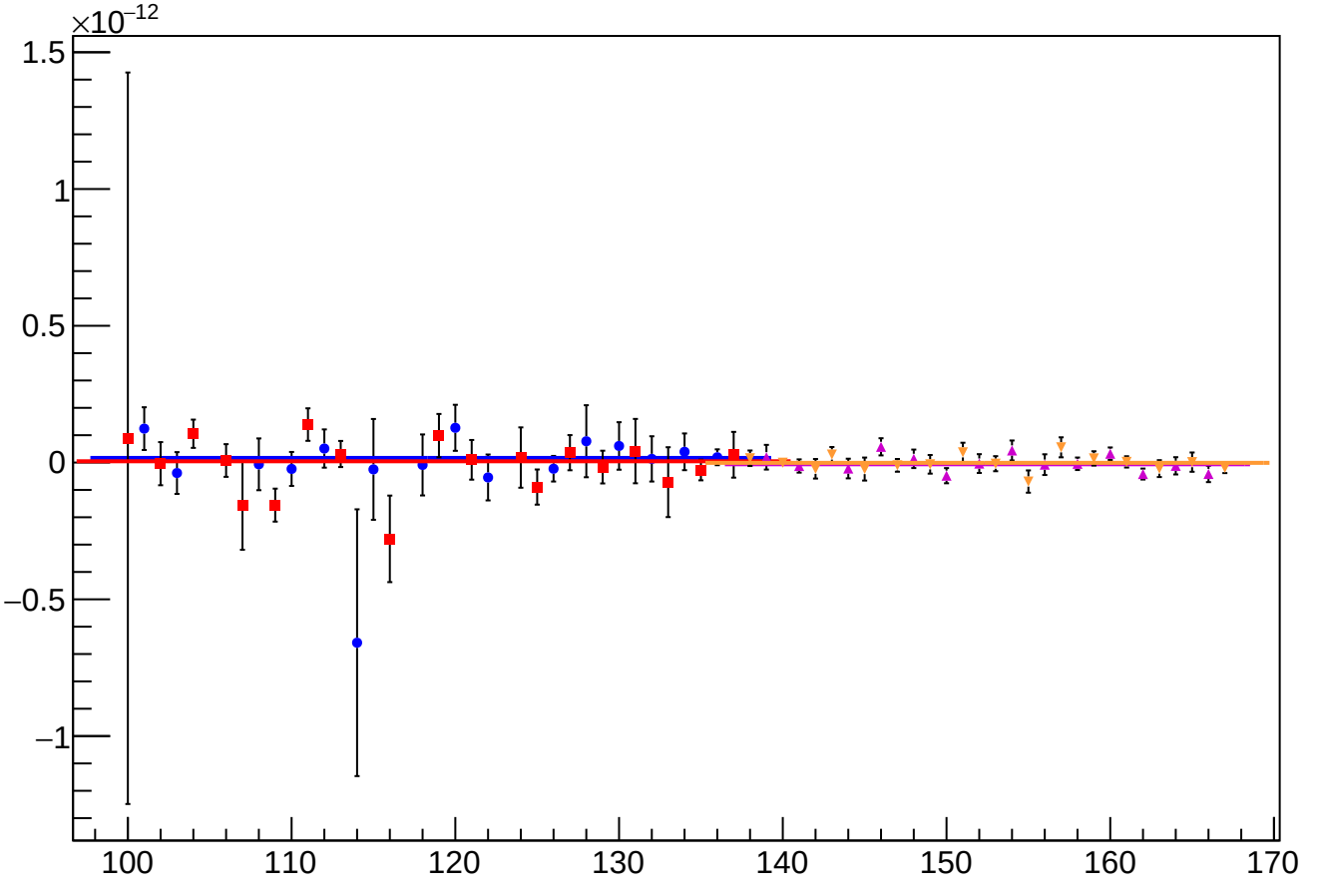
Left: 2875.325+/-0.414 χ^2/NDF: 35196.4/29

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2880.570+/-0.475 χ^2/NDF:757246.8/29

Out: 2880.155+/-0.458 χ^2/NDF:213820.8/34

All: 2880.355+/-0.330 χ^2/NDF: 971068.0/64



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/13

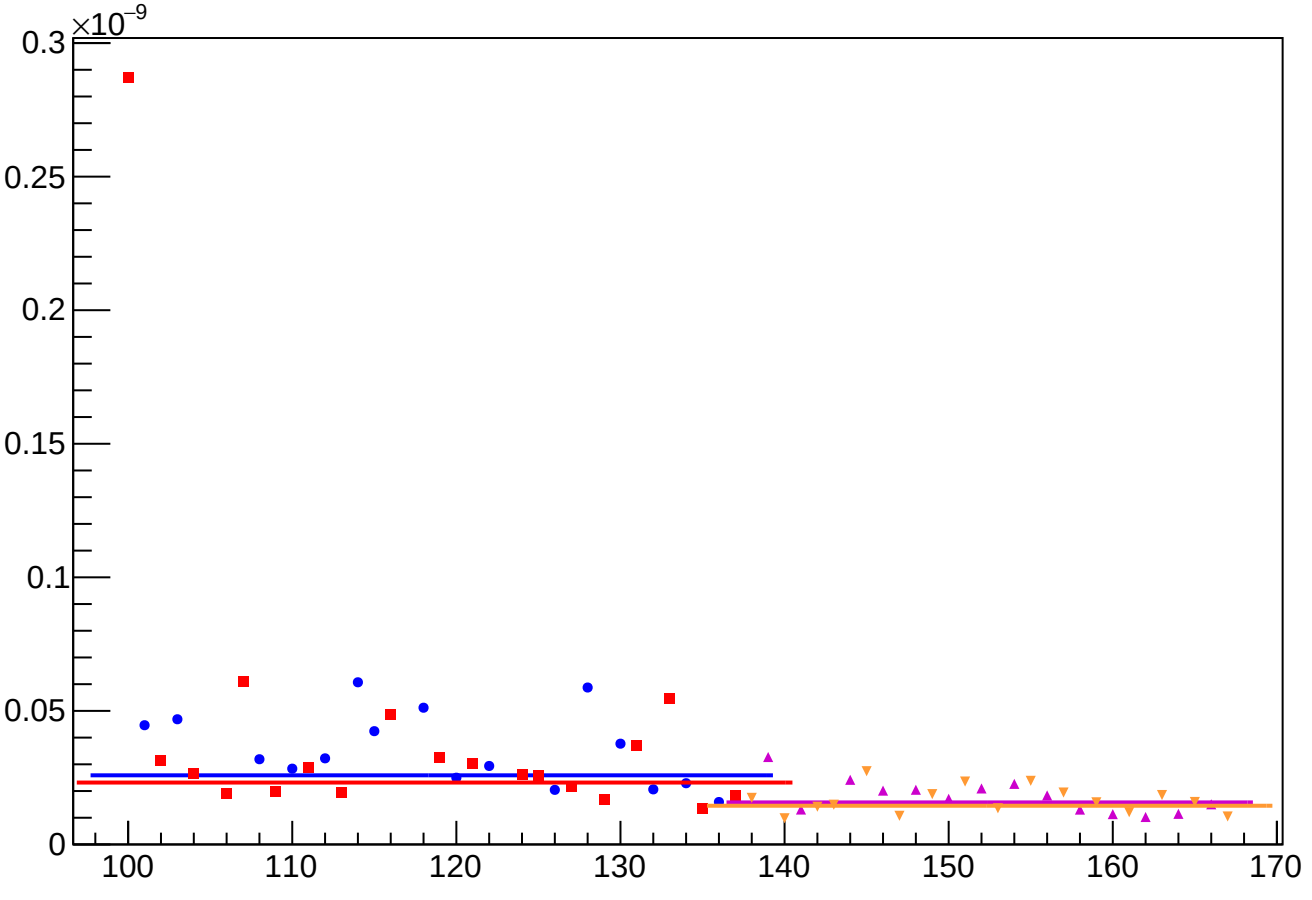
Left: -0.000+/-0.000 χ^2/NDF: 27.7/29

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:27.2/29

Out: -0.000+/-0.000 χ^2/NDF:36.5/34

All: -0.000+/-0.000 χ^2/NDF: 63.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:861545.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:918942.9/13

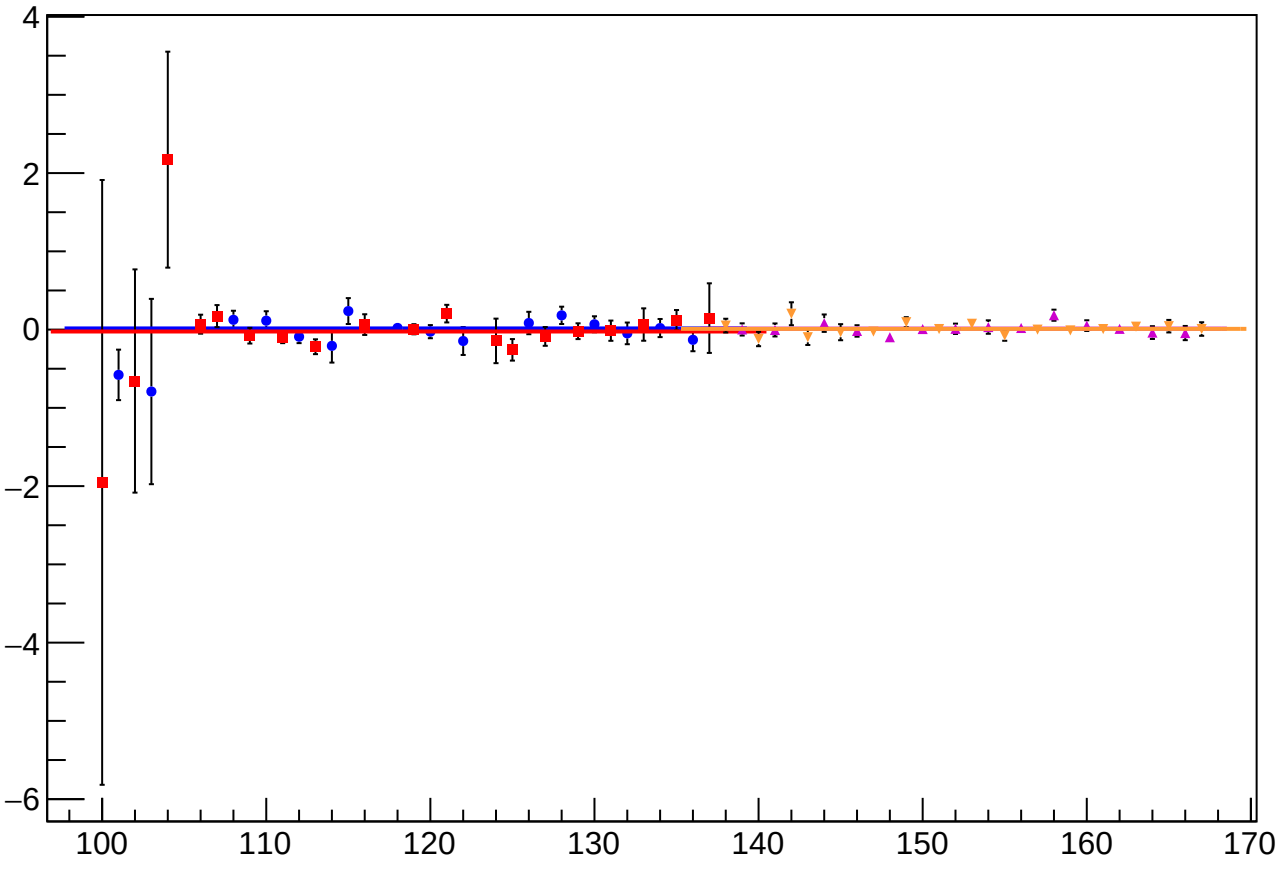
Left: 0.000+/-0.000 χ^2/NDF: 1810042.6/29

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2382884.7/29

Out: 0.000+/-0.000 χ^2/NDF:2065709.8/34

All: 0.000+/-0.000 χ^2/NDF: 4507655.3/64



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.017 χ^2/NDF:10.8/15

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.012+/-0.019 χ^2/NDF:10.6/13

Left: 0.011+/-0.013 χ^2/NDF: 21.4/29

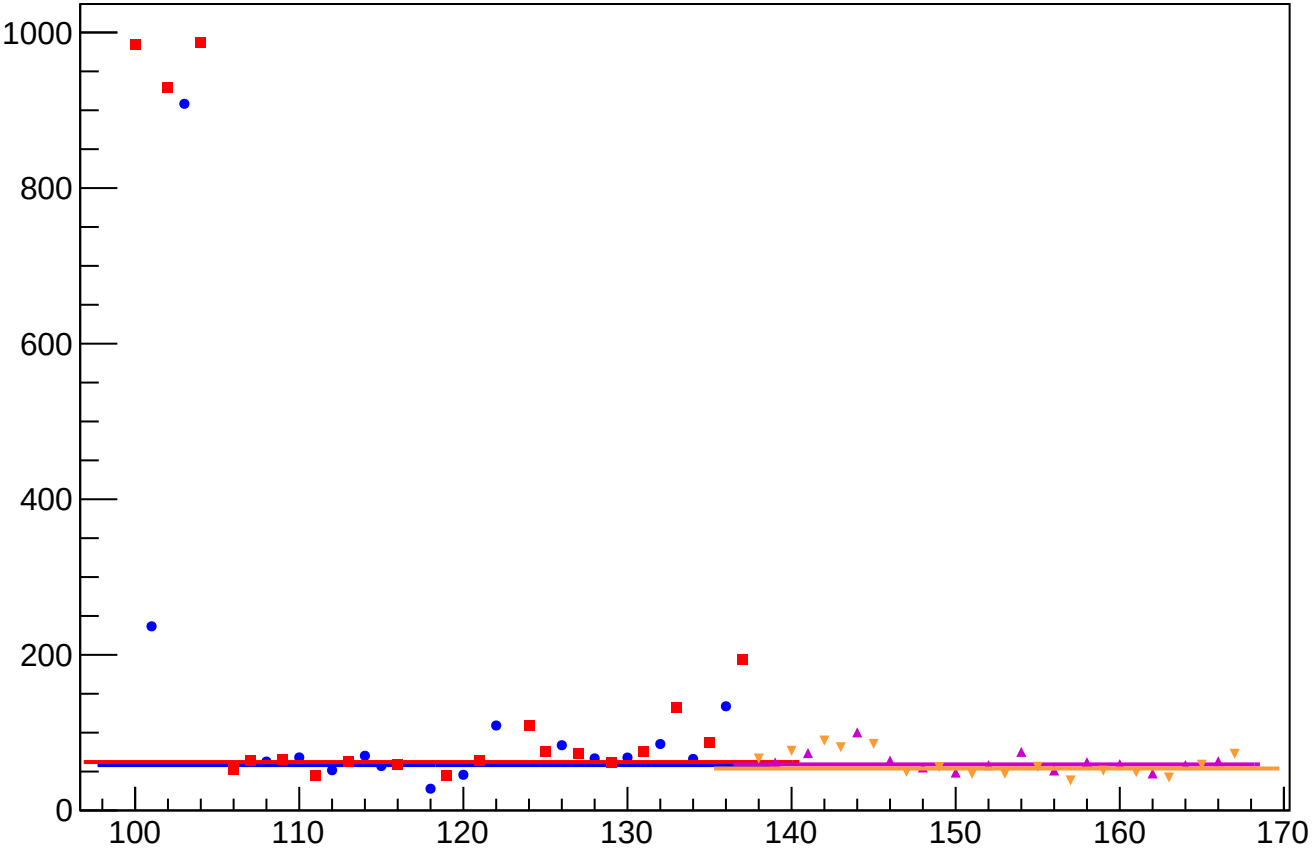
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.013+/-0.016 χ^2/NDF:25.7/29

Out: 0.000+/-0.015 χ^2/NDF:32.6/34

All: 0.006+/-0.011 χ^2/NDF: 58.6/64

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045261.0/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 59.185+/-0.013 χ^2/NDF:614648.1/13

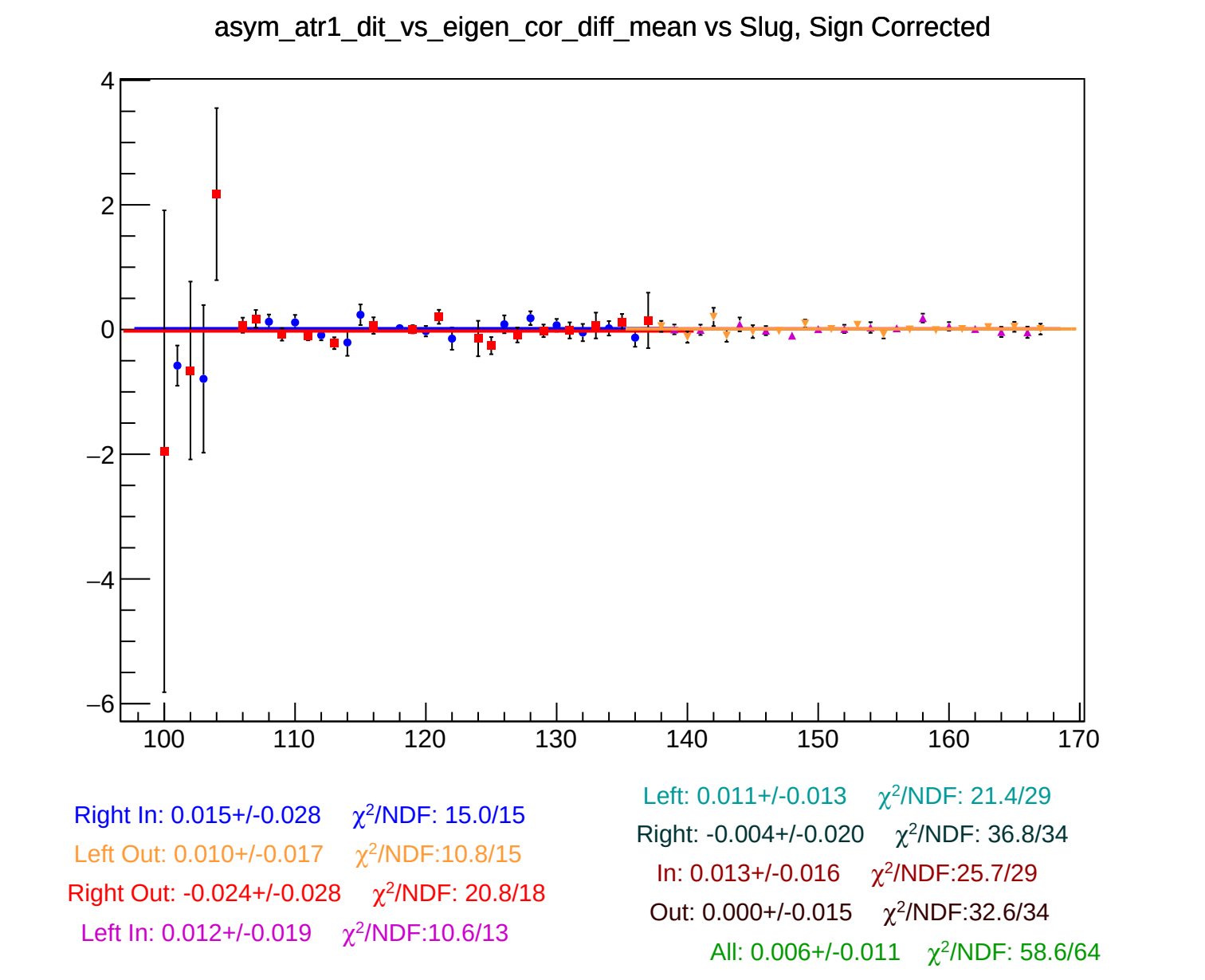
Left: 56.307+/-0.009 χ^2/NDF: 1743245.6/29

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.907+/-0.011 χ^2/NDF:3876390.9/29

Out: 56.226+/-0.010 χ^2/NDF:3799468.1/34

All: 57.481+/-0.008 χ^2/NDF: 7706748.1/64


asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
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−4
−6
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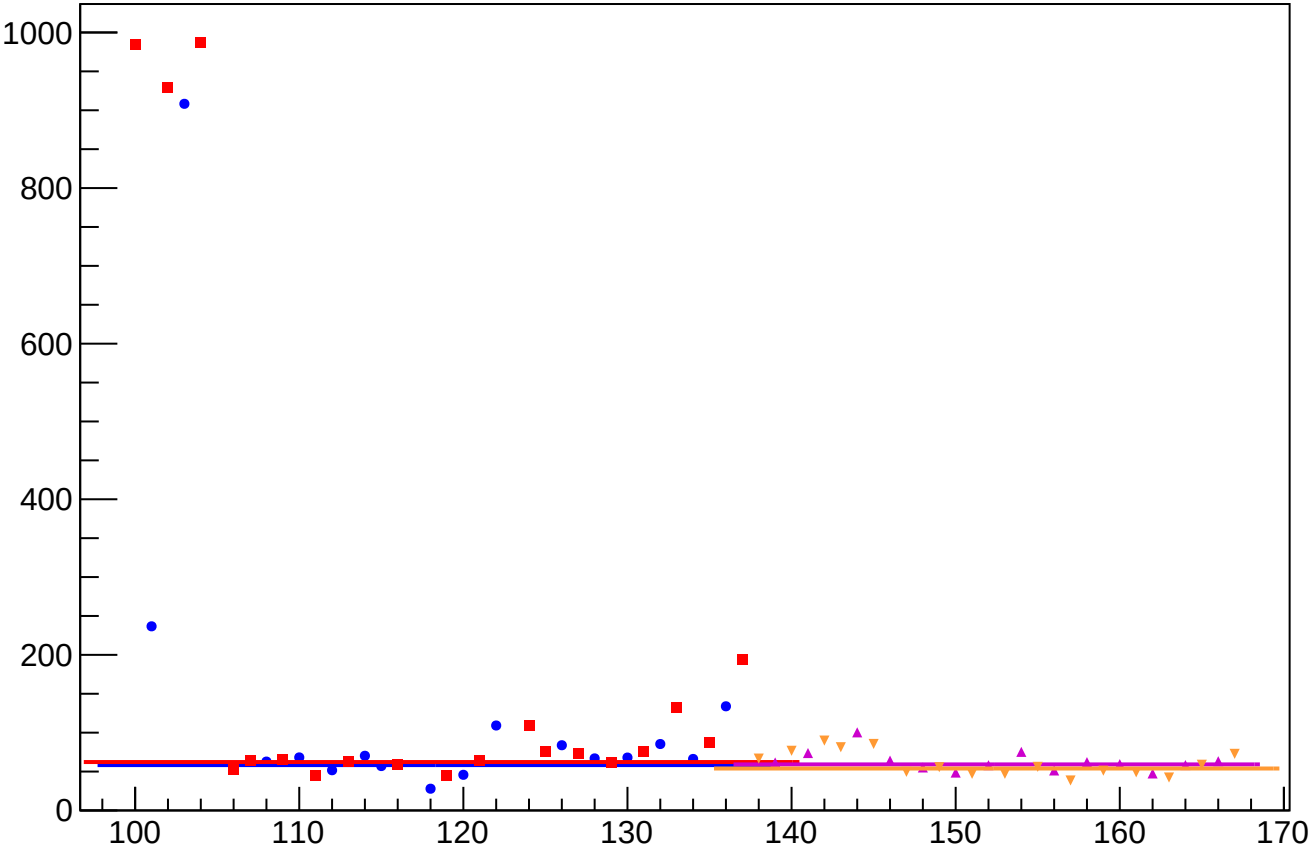
110
120
130
140
150
160
170
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.010+/-0.017 χ²/NDF:10.8/15
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: 0.012+/-0.019 χ²/NDF:10.6/13
Left: 0.011+/-0.013 χ²/NDF: 21.4/29
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.013+/-0.016 χ²/NDF:25.7/29
Out: 0.000+/-0.015 χ²/NDF:32.6/34
All: 0.006+/-0.011 χ²/NDF: 58.6/64



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045261.0/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 59.185+/-0.013 χ^2/NDF:614648.1/13

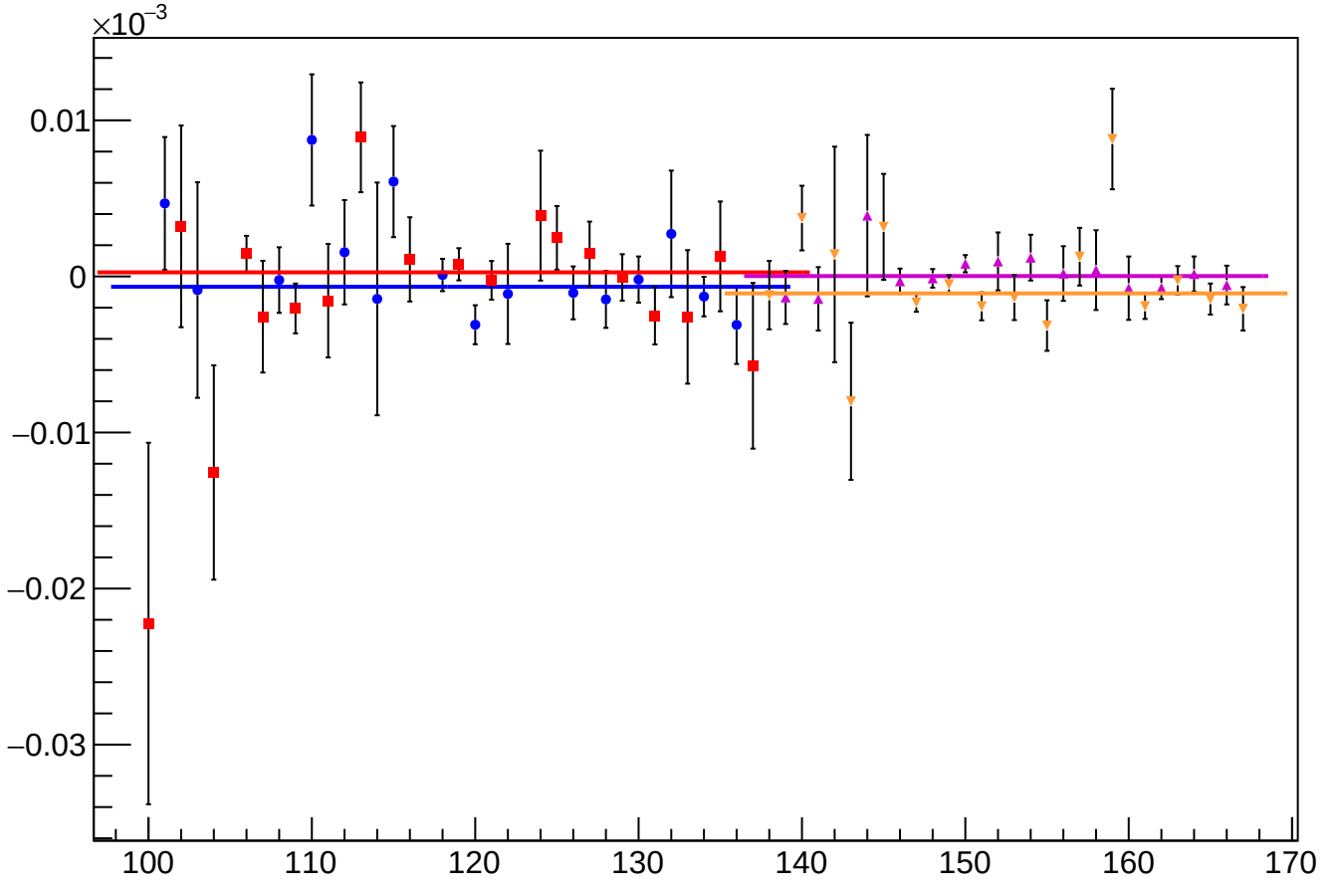
Left: 56.307+/-0.009 χ^2/NDF: 1743245.6/29

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.907+/-0.011 χ^2/NDF:3876390.9/29

Out: 56.226+/-0.010 χ^2/NDF:3799468.1/34

All: 57.481+/-0.008 χ^2/NDF: 7706748.1/64



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/13

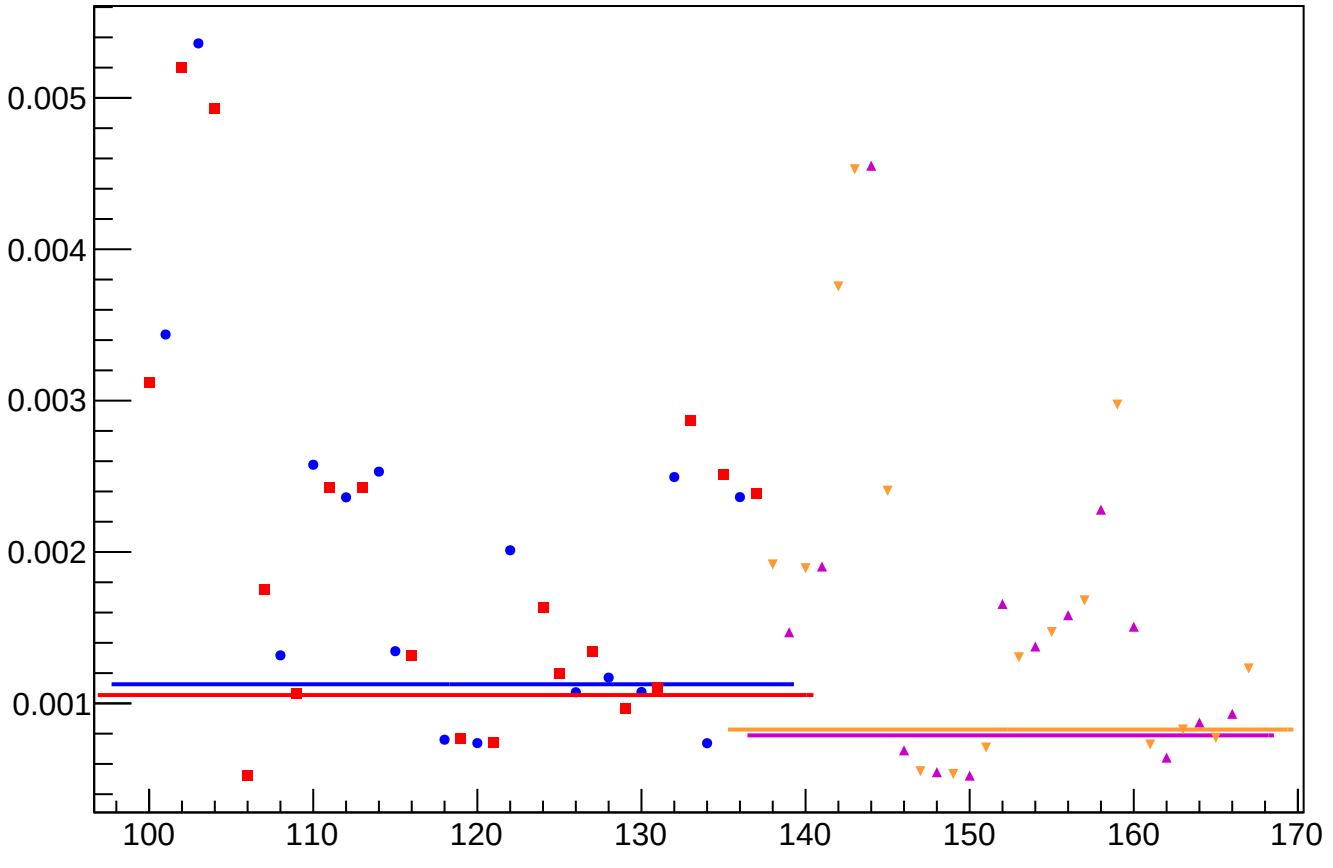
Left: -0.000+/-0.000 χ^2/NDF: 41.4/29

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:25.2/29

Out: -0.000+/-0.000 χ^2/NDF:57.7/34

All: -0.000+/-0.000 χ^2/NDF: 85.9/64



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:5907996.8/15

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:5030123.8/13

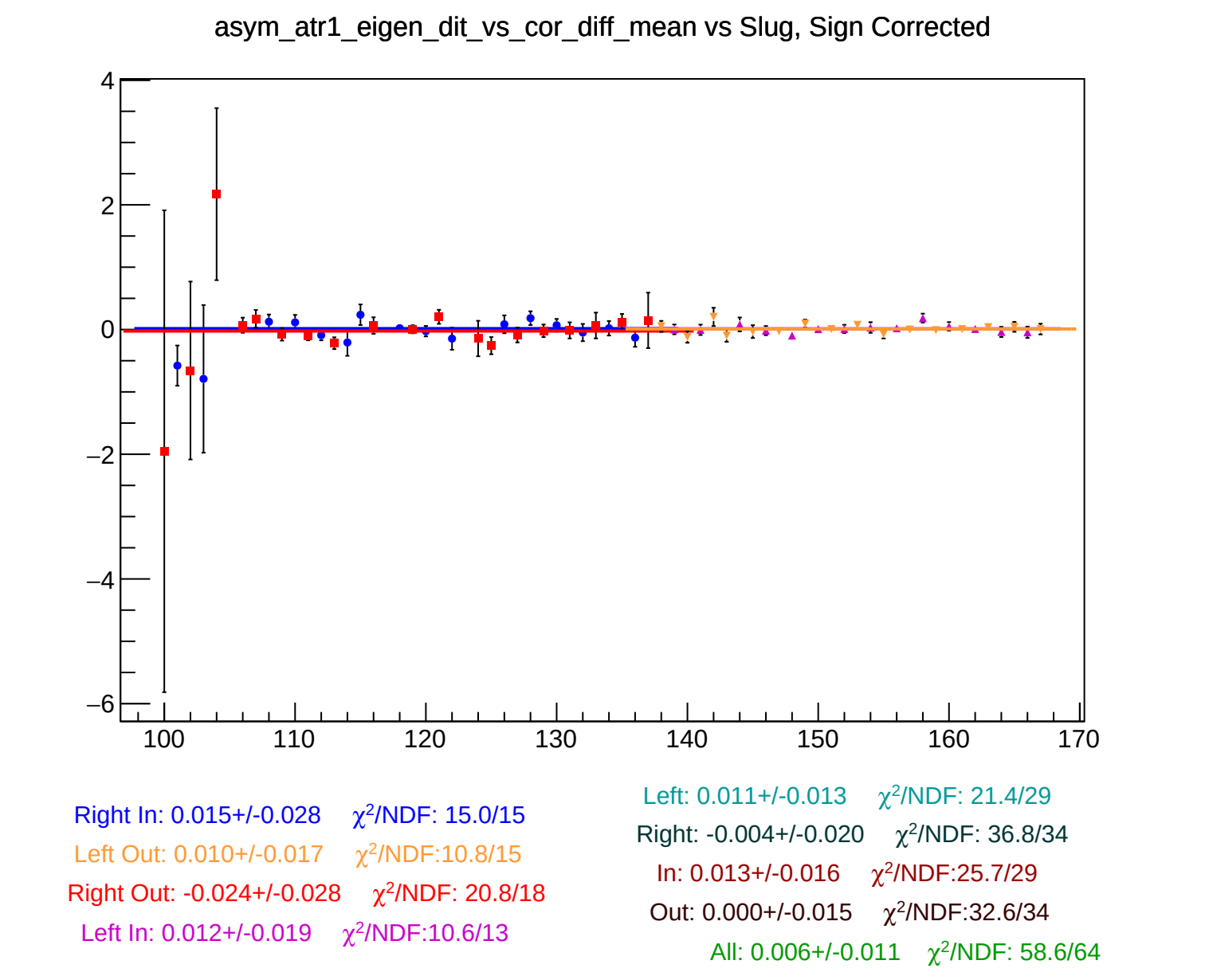
Left: 0.001+/-0.000 χ^2/NDF: 10957369.2/29

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9203307.9/29

Out: 0.001+/-0.000 χ^2/NDF:10110880.8/34

All: 0.001+/-0.000 χ^2/NDF: 19319222.6/64


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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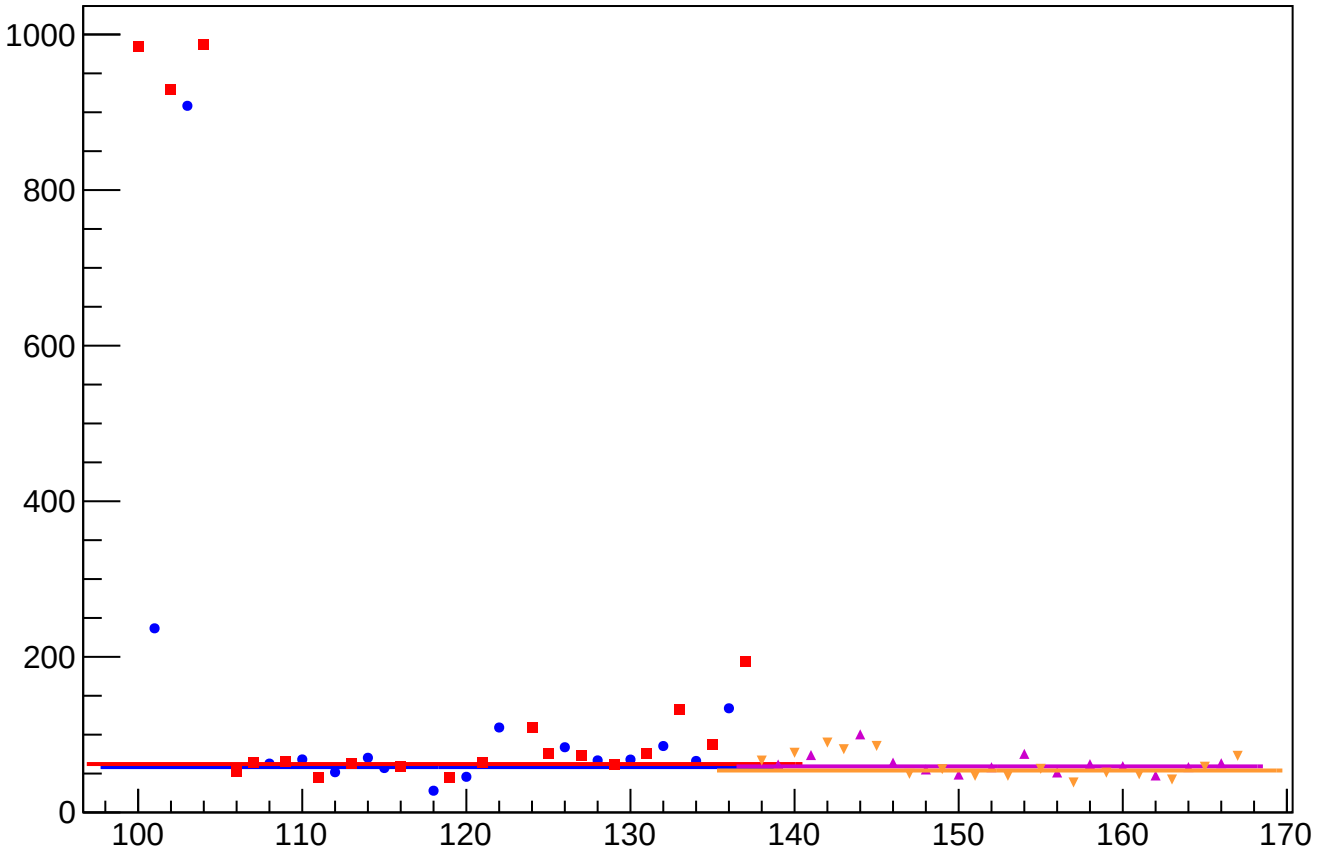
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.010+/-0.017 χ²/NDF:10.8/15
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: 0.012+/-0.019 χ²/NDF:10.6/13
Left: 0.011+/-0.013 χ²/NDF: 21.4/29
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.013+/-0.016 χ²/NDF:25.7/29
Out: 0.000+/-0.015 χ²/NDF:32.6/34
All: 0.006+/-0.011 χ²/NDF: 58.6/64



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045326.5/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 59.185+/-0.013 χ^2/NDF:614672.5/13

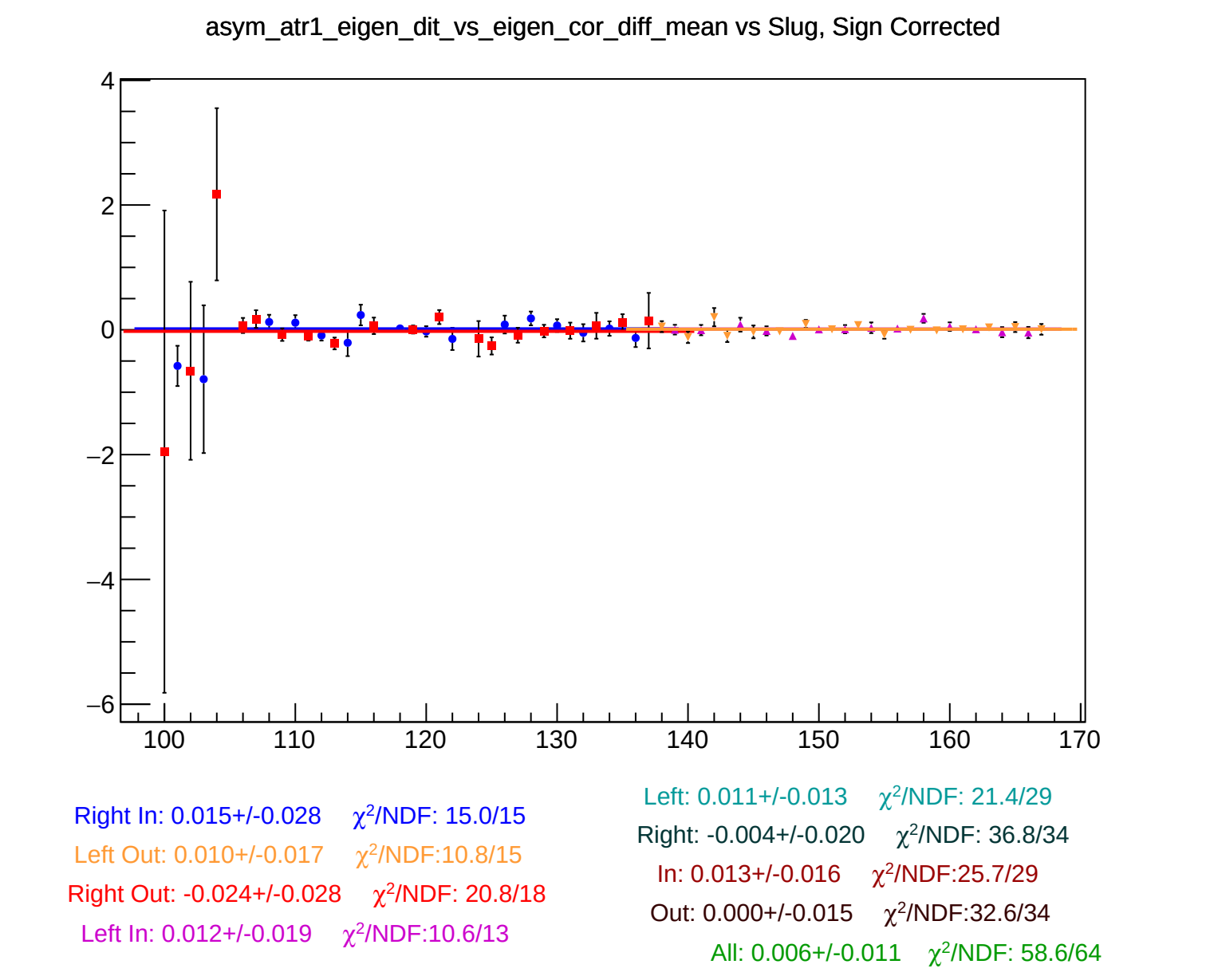
Left: 56.307+/-0.009 χ^2/NDF: 1743357.3/29

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.906+/-0.011 χ^2/NDF:3876497.8/29

Out: 56.226+/-0.010 χ^2/NDF:3799541.8/34

All: 57.480+/-0.008 χ^2/NDF: 7706935.3/64


asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
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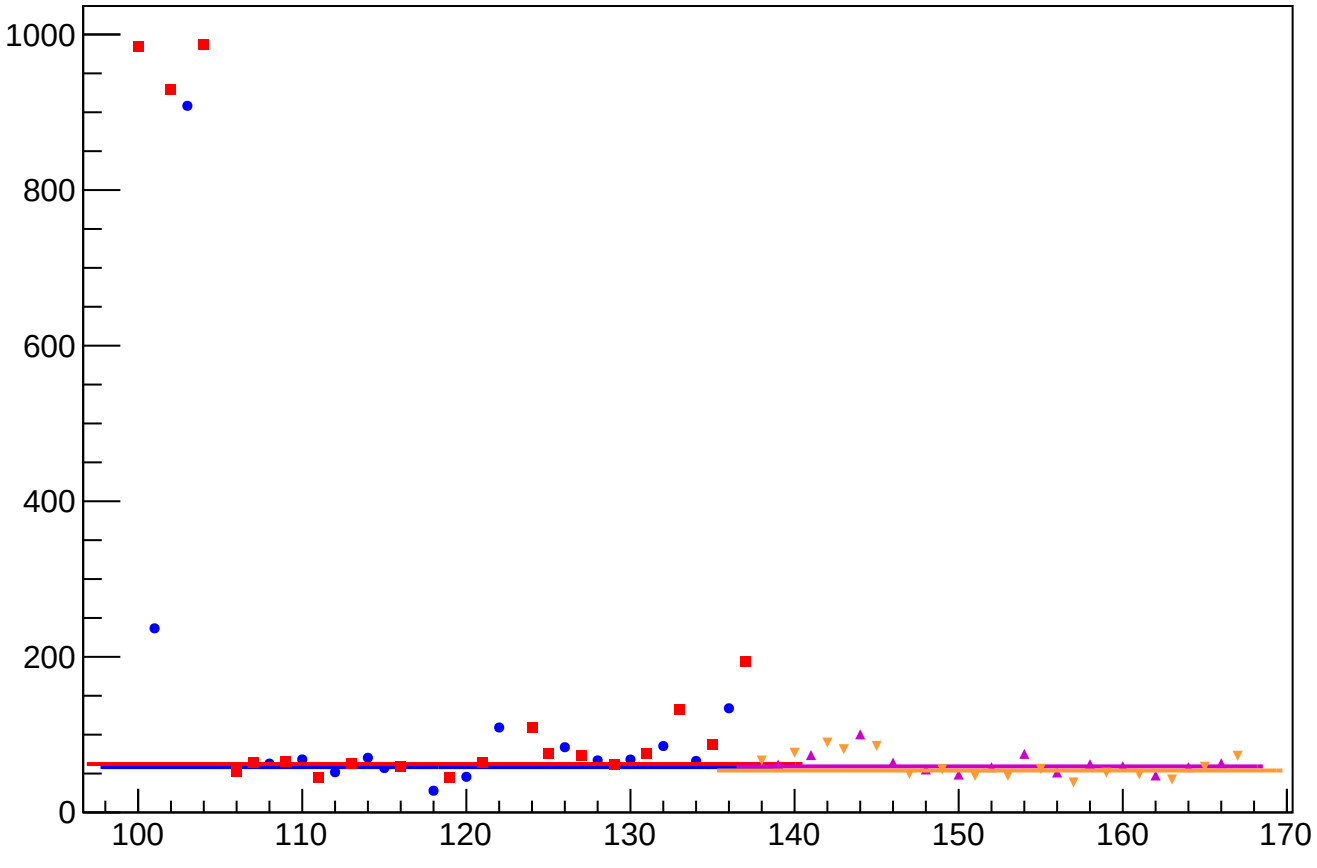
120
130
140
150
160
170
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.010+/-0.017 χ²/NDF:10.8/15
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: 0.012+/-0.019 χ²/NDF:10.6/13
Left: 0.011+/-0.013 χ²/NDF: 21.4/29
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.013+/-0.016 χ²/NDF:25.7/29
Out: 0.000+/-0.015 χ²/NDF:32.6/34
All: 0.006+/-0.011 χ²/NDF: 58.6/64



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045326.5/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 59.185+/-0.013 χ^2/NDF:614672.5/13

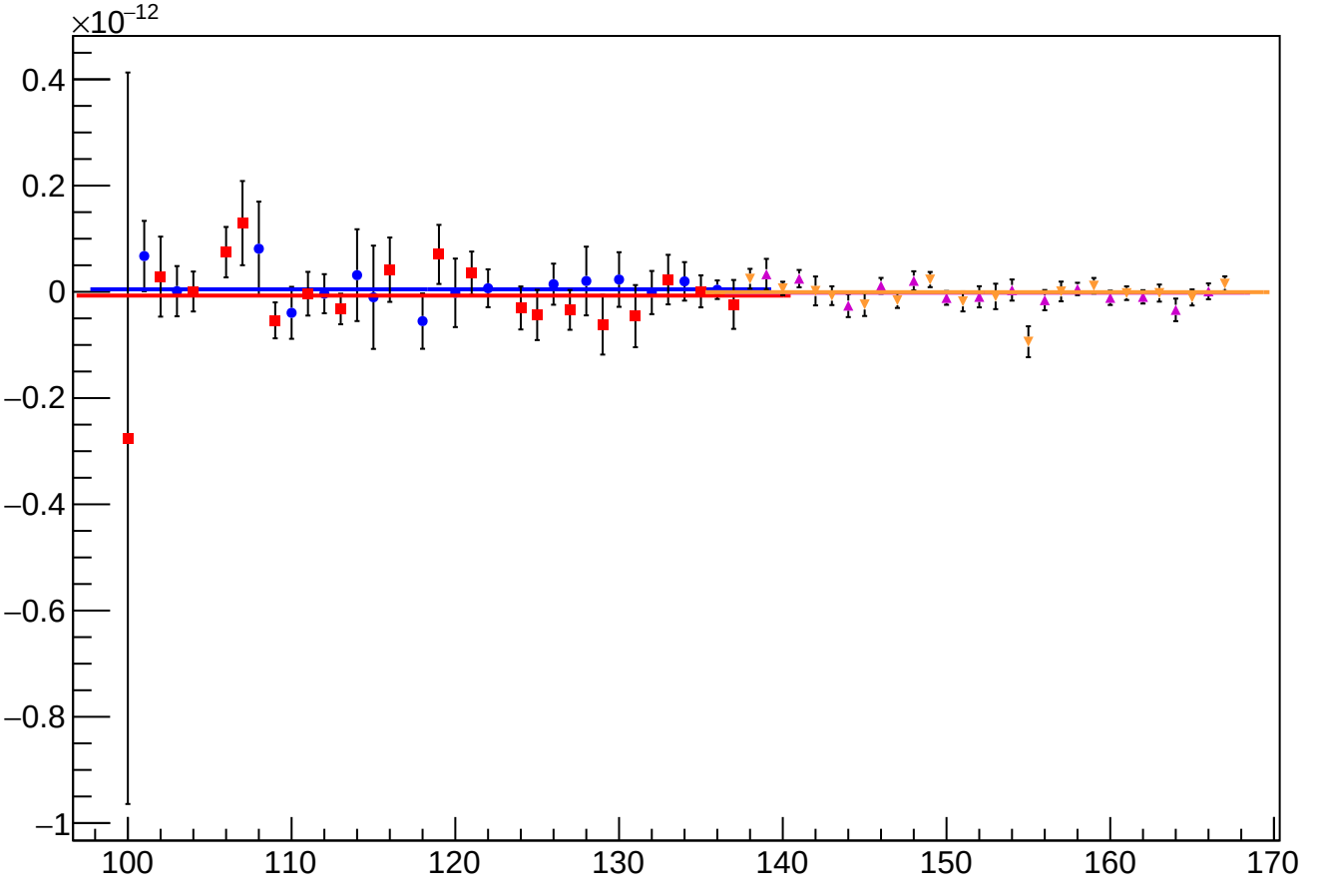
Left: 56.307+/-0.009 χ^2/NDF: 1743357.3/29

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.906+/-0.011 χ^2/NDF:3876497.8/29

Out: 56.226+/-0.010 χ^2/NDF:3799541.8/34

All: 57.480+/-0.008 χ^2/NDF: 7706935.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/13

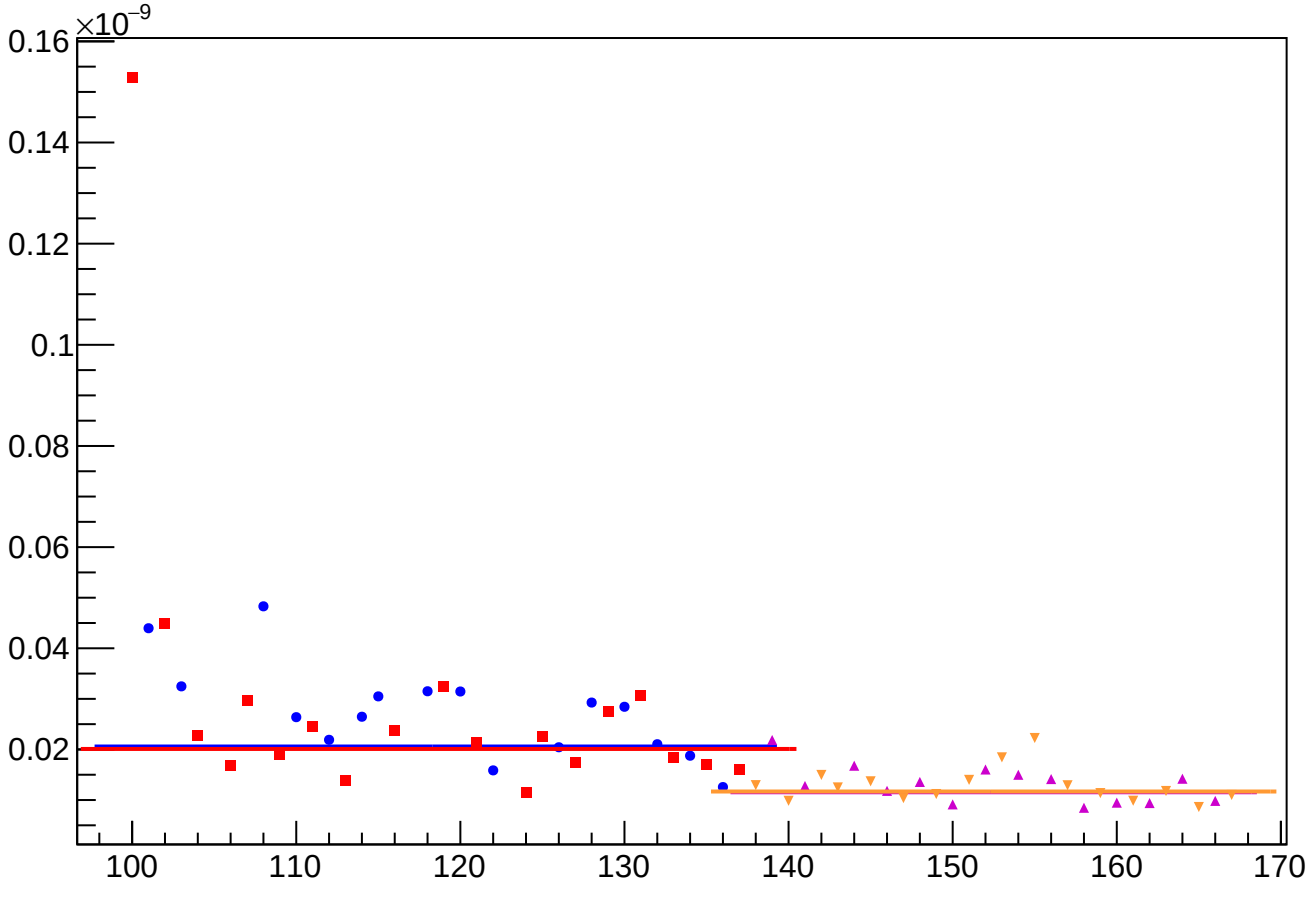
Left: -0.000+/-0.000 χ^2/NDF: 33.5/29

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: -0.000+/-0.000 χ^2/NDF:17.3/29

Out: -0.000+/-0.000 χ^2/NDF:37.4/34

All: -0.000+/-0.000 χ^2/NDF: 54.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:710009.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:979687.1/13

Left: 0.000+/-0.000 χ^2/NDF: 1690935.4/29

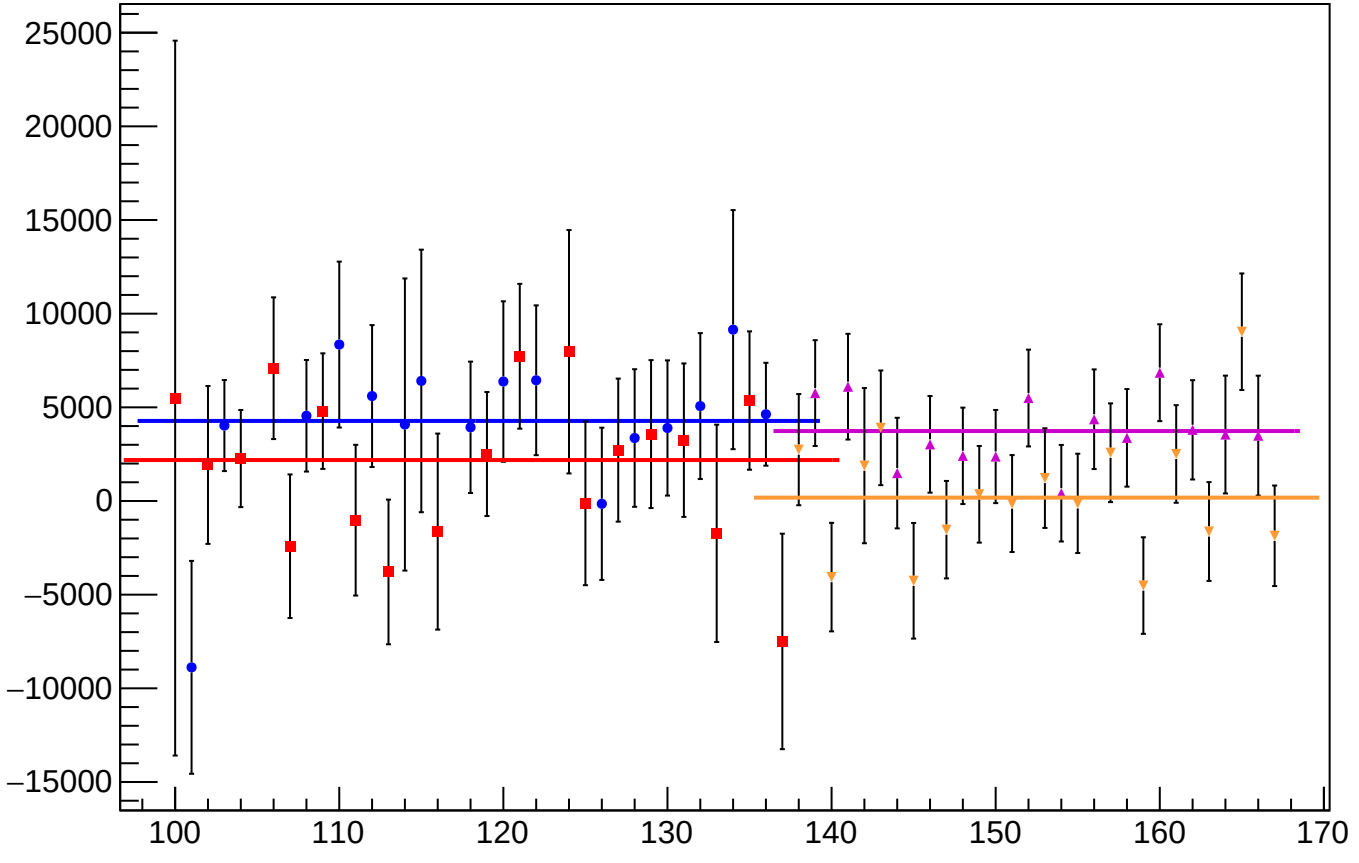
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3623794.5/29

Out: 0.000+/-0.000 χ^2/NDF:2706522.4/34

All: 0.000+/-0.000 χ^2/NDF: 6330324.9/64

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 179.890+/-696.498 χ^2/NDF:21.3/15

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3733.884+/-723.850 χ^2/NDF:6.1/13

Left: 1888.474+/-501.890 χ^2/NDF: 39.9/29

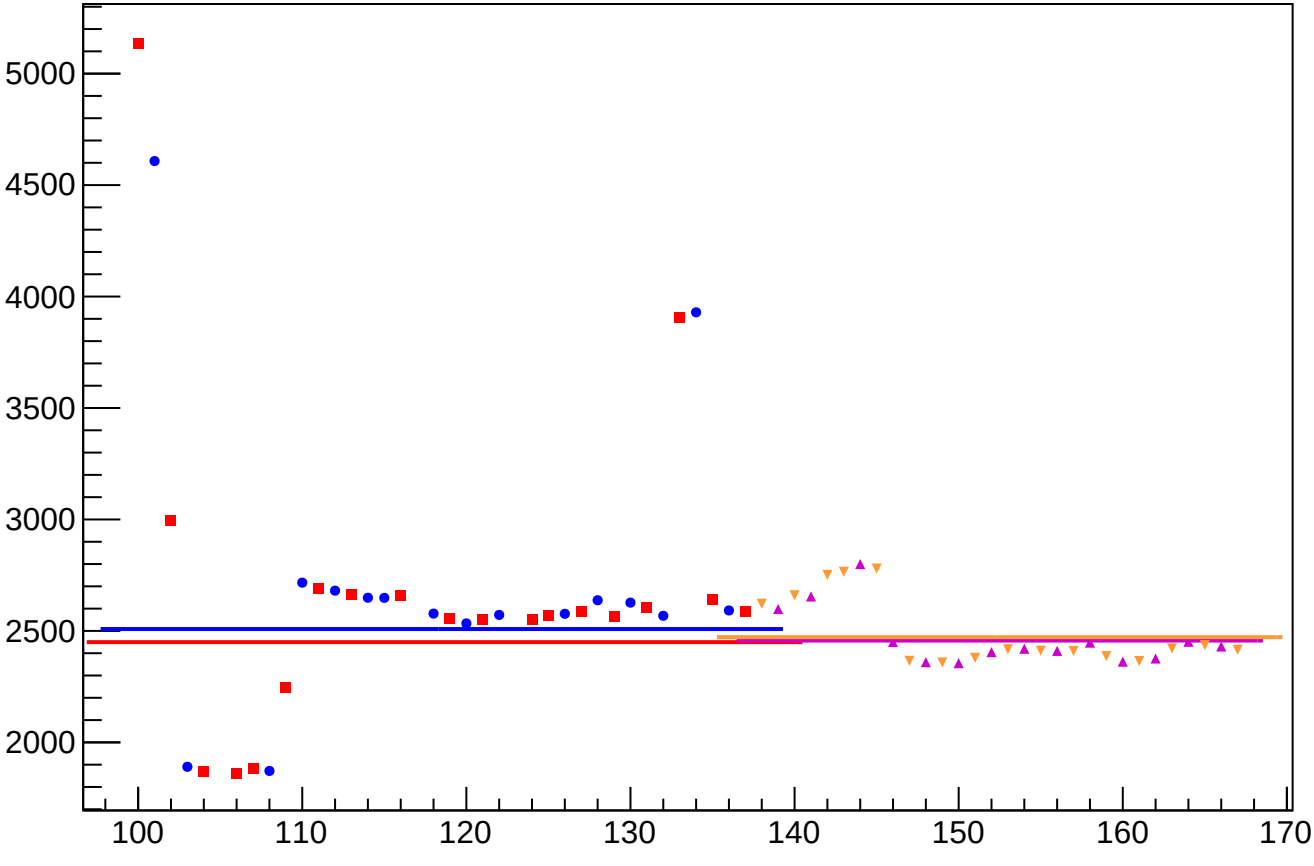
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3931.904+/-576.196 χ^2/NDF:15.2/29

Out: 908.753+/-555.772 χ^2/NDF:39.1/34

All: 2365.800+/-400.016 χ^2/NDF: 68.6/64

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2472.014+/-0.492 χ^2/NDF:81031.5/15

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2456.801+/-0.512 χ^2/NDF:54629.3/13

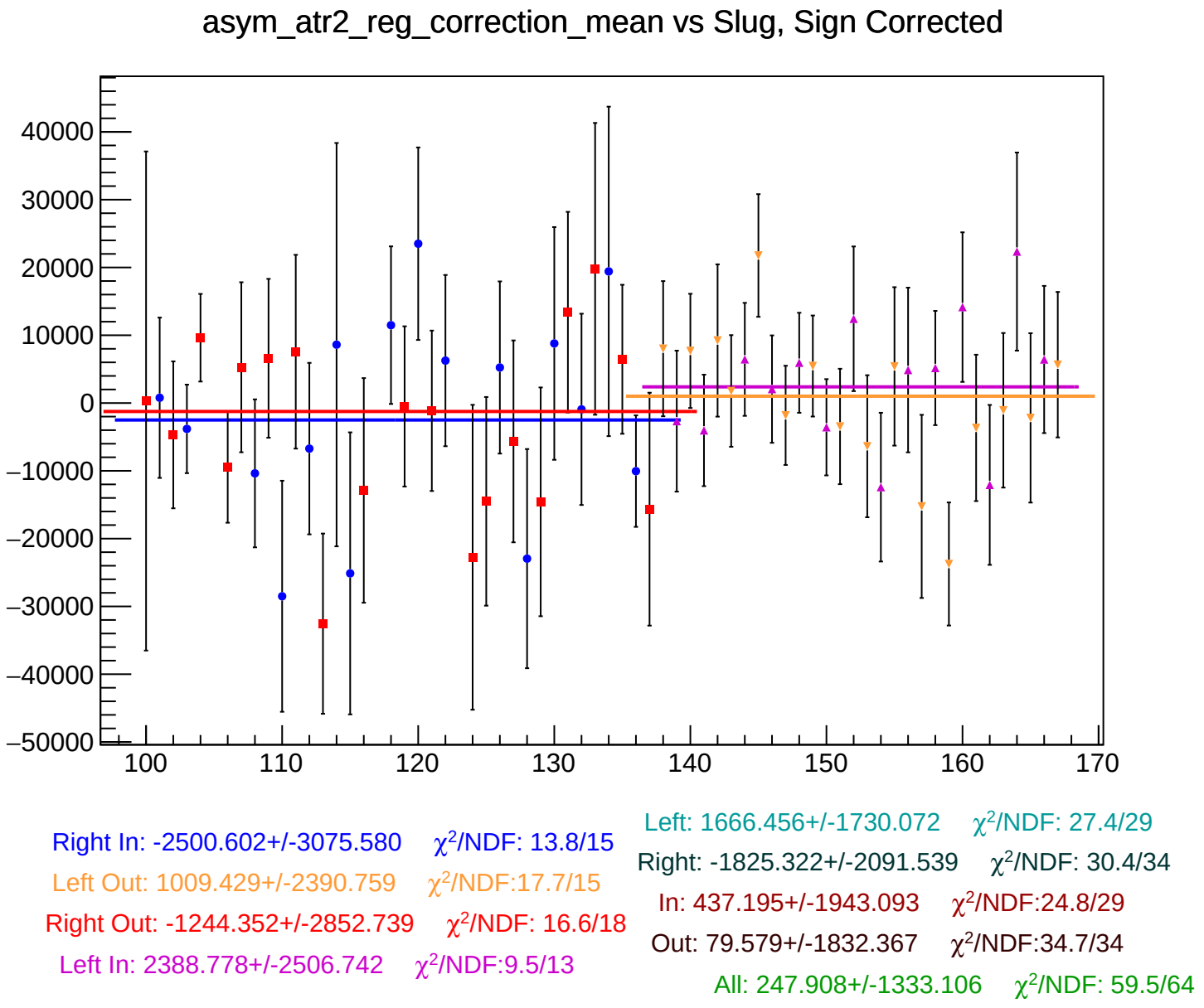
Left: 2464.701+/-0.355 χ^2/NDF: 136119.5/29

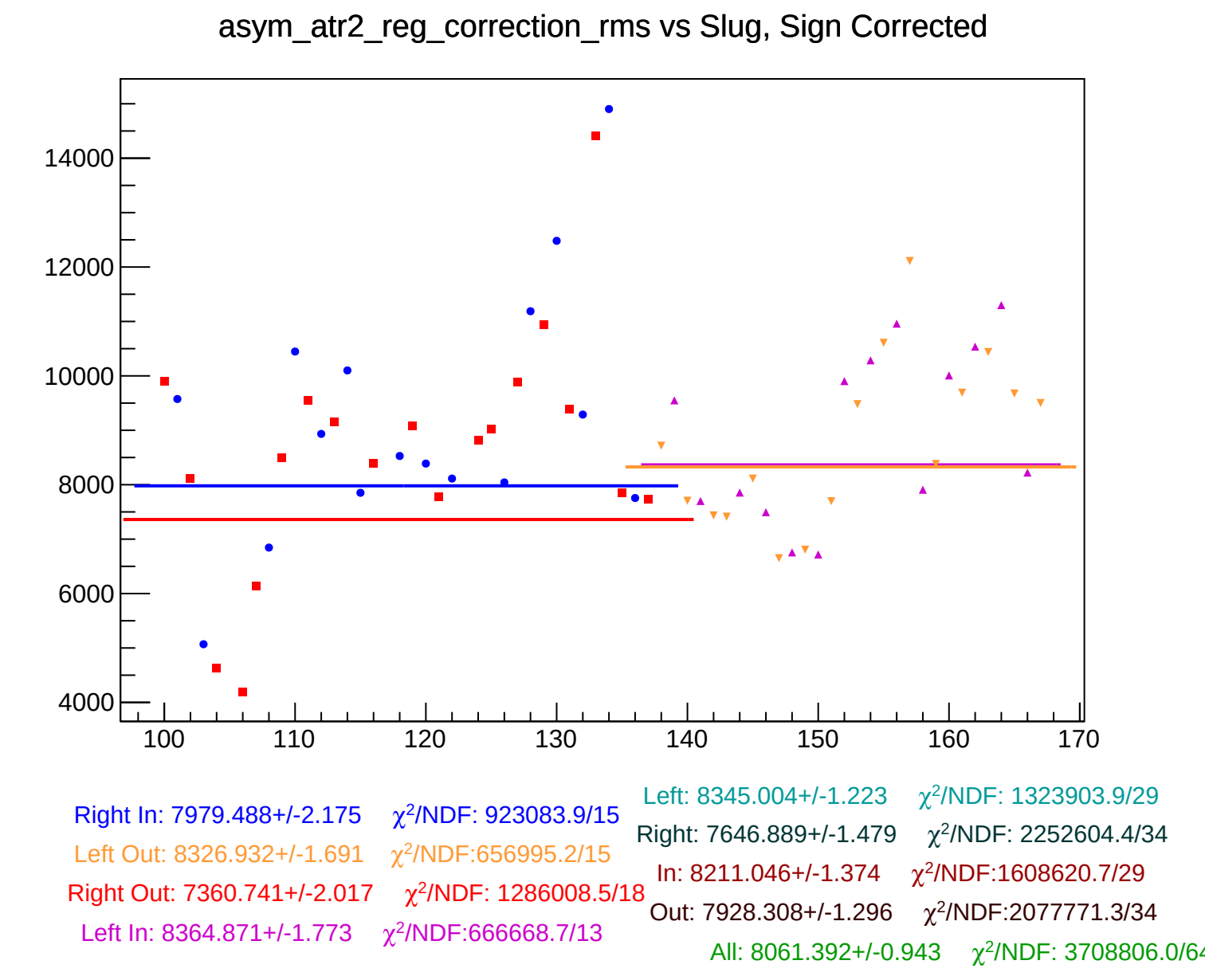
Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2475.729+/-0.407 χ^2/NDF:669951.8/29

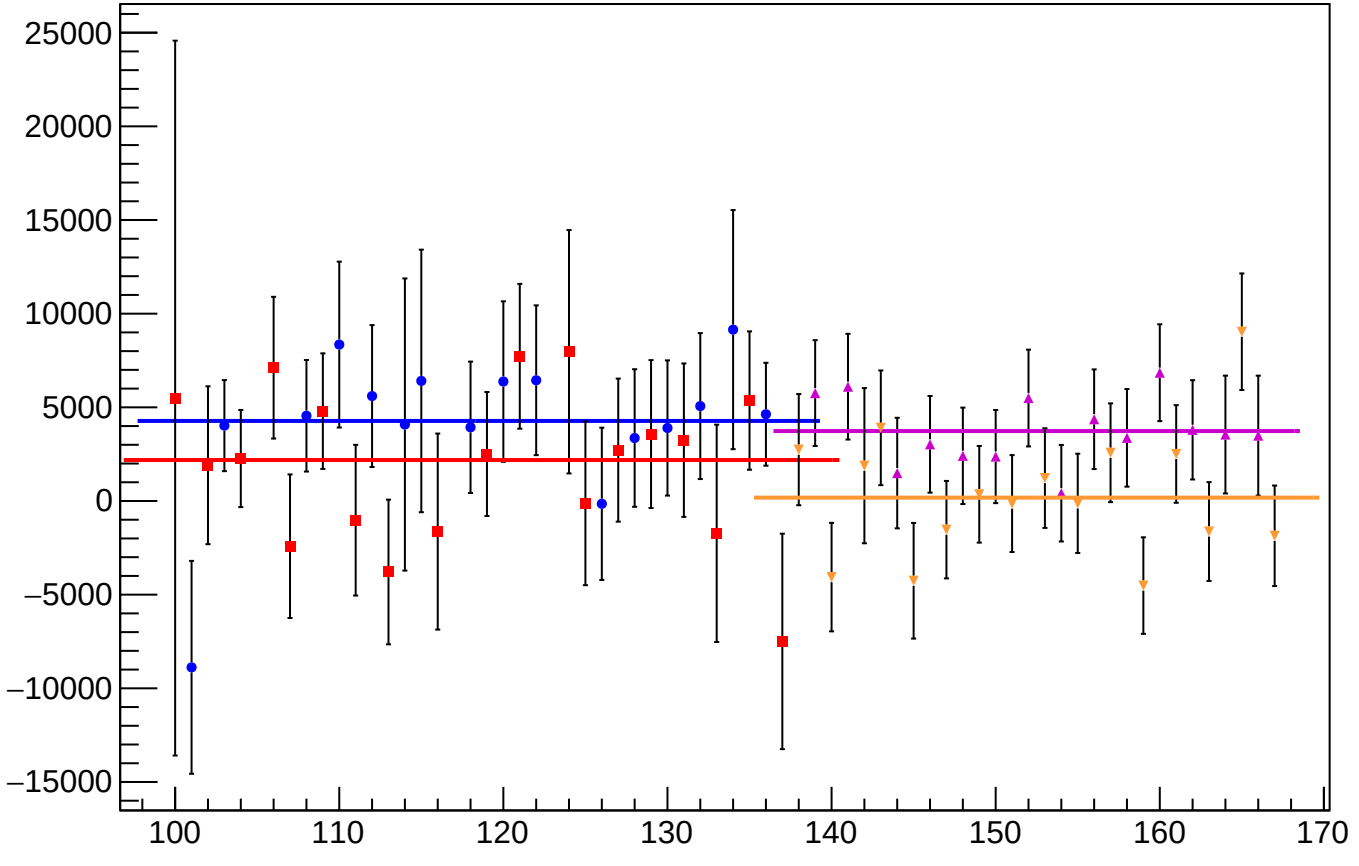
Out: 2463.880+/-0.393 χ^2/NDF:518683.4/34

All: 2469.591+/-0.283 χ^2/NDF: 1189073.4/64


asym_atr2_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -2500.602+/-3075.580 χ²/NDF: 13.8/15
Left Out: 1009.429+/-2390.759 χ²/NDF:17.7/15
Right Out: -1244.352+/-2852.739 χ²/NDF: 16.6/18
Left In: 2388.778+/-2506.742 χ²/NDF:9.5/13
Left: 1666.456+/-1730.072 χ²/NDF: 27.4/29
Right: -1825.322+/-2091.539 χ²/NDF: 30.4/34
In: 437.195+/-1943.093 χ²/NDF:24.8/29
Out: 79.579+/-1832.367 χ²/NDF:34.7/34
All: 247.908+/-1333.106 χ²/NDF: 59.5/64


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8326.932+/-1.691 χ²/NDF:656995.2/15
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8364.871+/-1.773 χ²/NDF:666668.7/13
Left: 8345.004+/-1.223 χ²/NDF: 1323903.9/29
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8211.046+/-1.374 χ²/NDF:1608620.7/29
Out: 7928.308+/-1.296 χ²/NDF:2077771.3/34
All: 8061.392+/-0.943 χ²/NDF: 3708806.0/64

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 179.650+/-696.498 χ^2/NDF:21.3/15

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3733.898+/-723.850 χ^2/NDF:6.1/13

Left: 1888.356+/-501.890 χ^2/NDF: 39.9/29

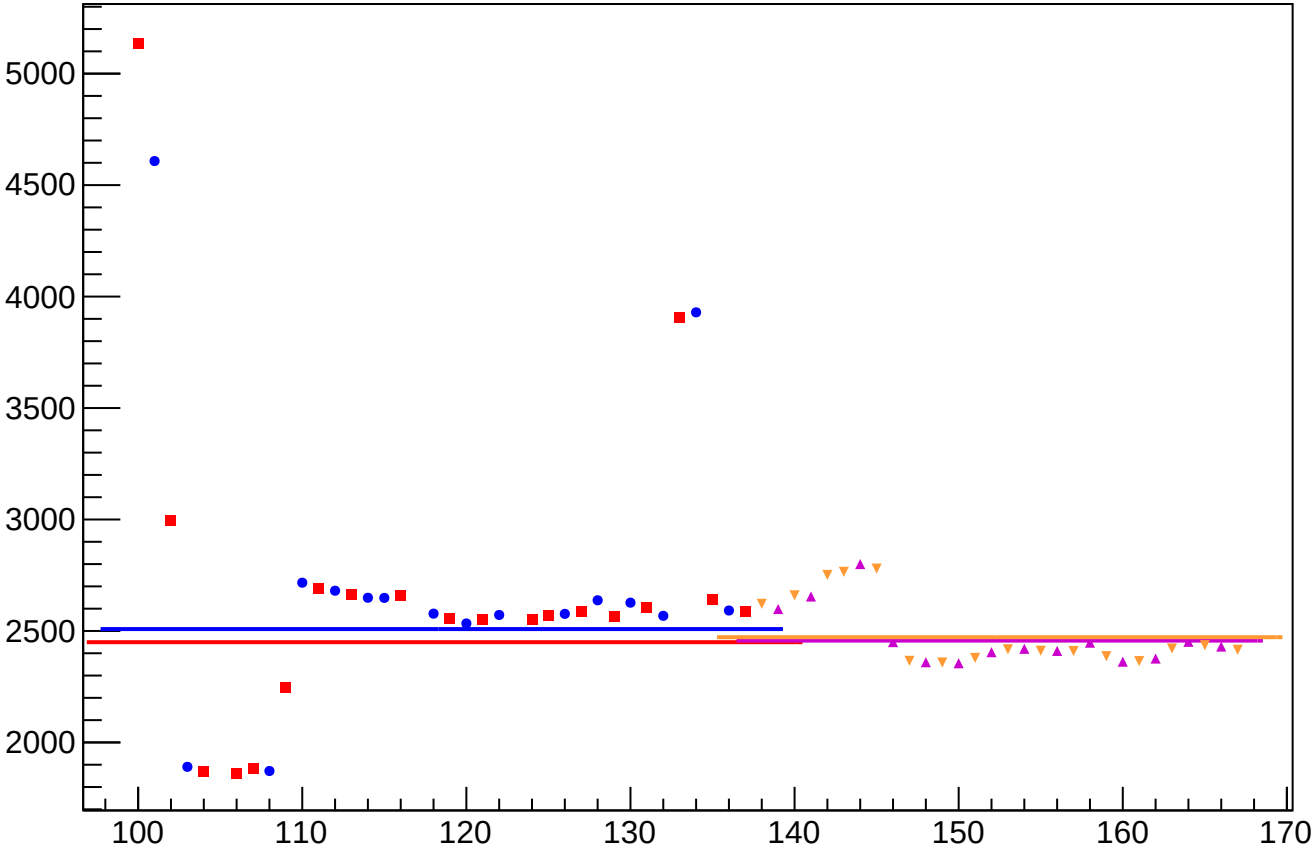
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3931.733+/-576.196 χ^2/NDF:15.2/29

Out: 908.818+/-555.774 χ^2/NDF:39.2/34

All: 2365.756+/-400.016 χ^2/NDF: 68.6/64

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2472.014+/-0.492 χ^2/NDF:81031.5/15

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2456.801+/-0.512 χ^2/NDF:54629.3/13

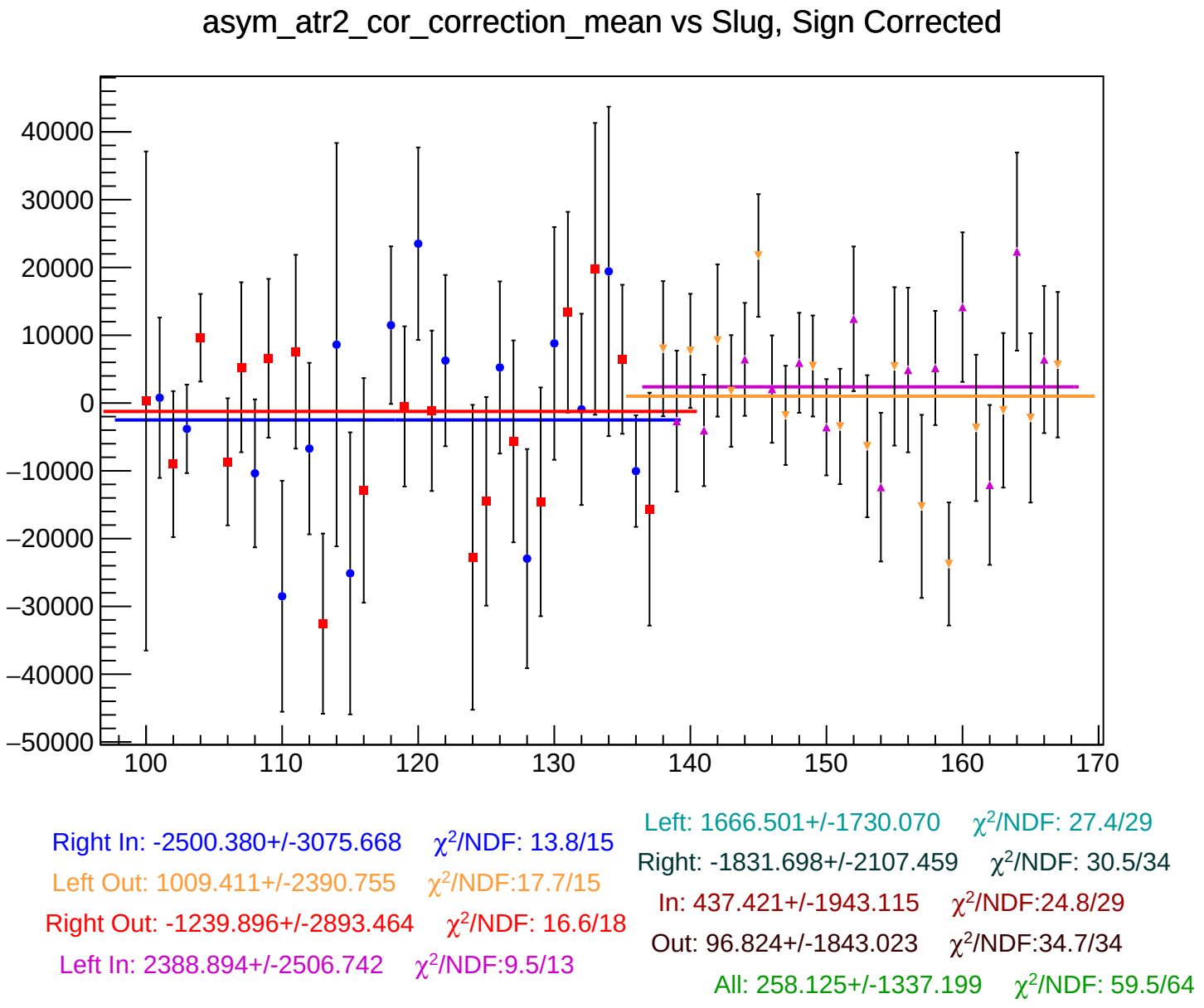
Left: 2464.701+/-0.355 χ^2/NDF: 136119.5/29

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2475.730+/-0.407 χ^2/NDF:669949.7/29

Out: 2463.889+/-0.393 χ^2/NDF:518627.4/34

All: 2469.596+/-0.283 χ^2/NDF: 1189014.6/64


asym_atr2_cor_correction_mean vs Slug, Sign Corrected
40000
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−10000
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−30000
−40000
−50000
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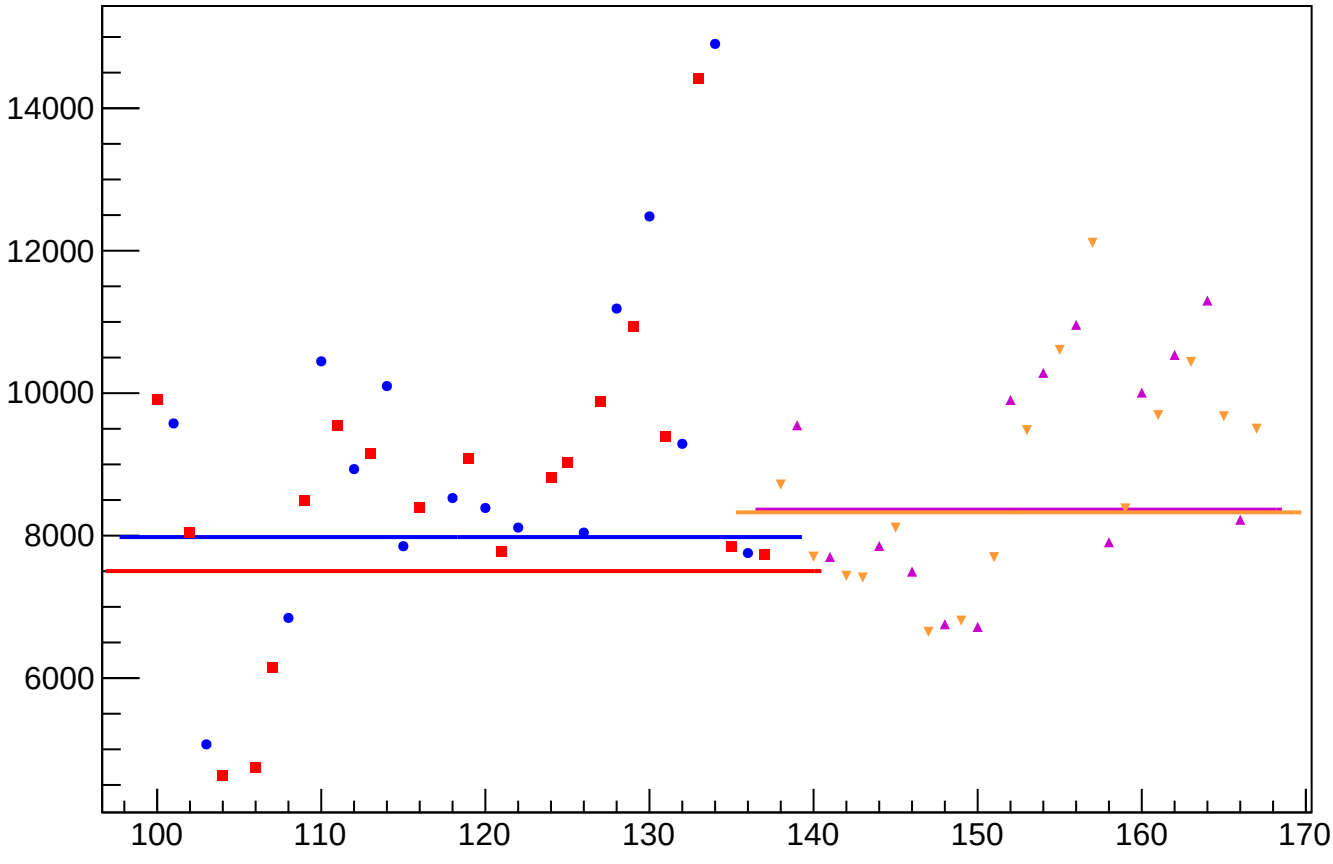
160
170
Right In: -2500.380+/-3075.668 χ²/NDF: 13.8/15
Left Out: 1009.411+/-2390.755 χ²/NDF:17.7/15
Right Out: -1239.896+/-2893.464 χ²/NDF: 16.6/18
Left In: 2388.894+/-2506.742 χ²/NDF:9.5/13
Left: 1666.501+/-1730.070 χ²/NDF: 27.4/29
Right: -1831.698+/-2107.459 χ²/NDF: 30.5/34
In: 437.421+/-1943.115 χ²/NDF:24.8/29
Out: 96.824+/-1843.023 χ²/NDF:34.7/34
All: 258.125+/-1337.199 χ²/NDF: 59.5/64



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8326.917+/-1.691 χ^2/NDF:657000.8/15

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8364.869+/-1.773 χ^2/NDF:666671.6/13

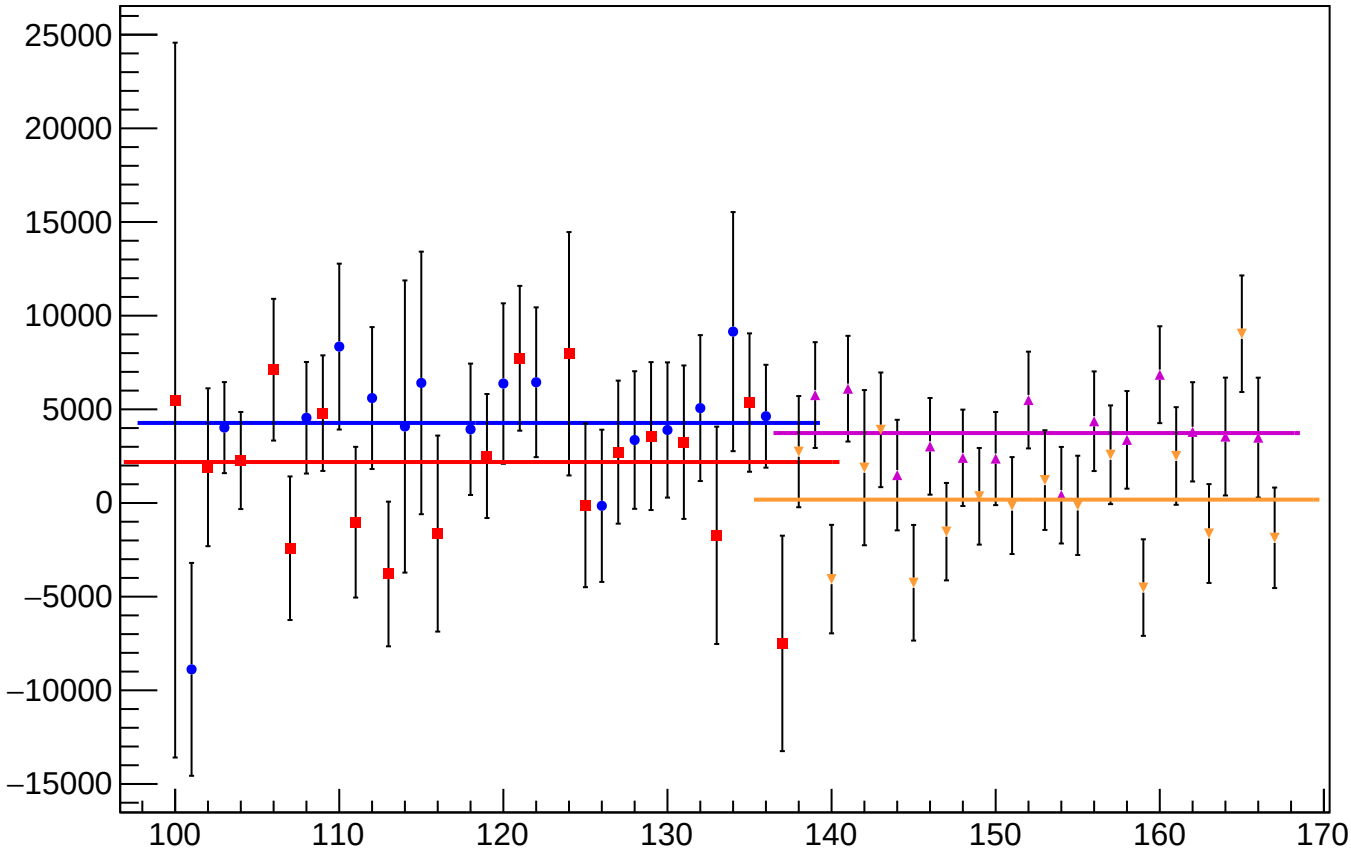
Left: 8344.995+/-1.223 χ^2/NDF: 1323912.5/29

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8211.180+/-1.374 χ^2/NDF:1608292.6/29

Out: 7992.511+/-1.303 χ^2/NDF:1888970.5/34

All: 8096.068+/-0.946 χ^2/NDF: 3510596.4/64



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 179.650+/-696.498 χ^2/NDF:21.3/15

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3733.898+/-723.850 χ^2/NDF:6.1/13

Left: 1888.356+/-501.890 χ^2/NDF: 39.9/29

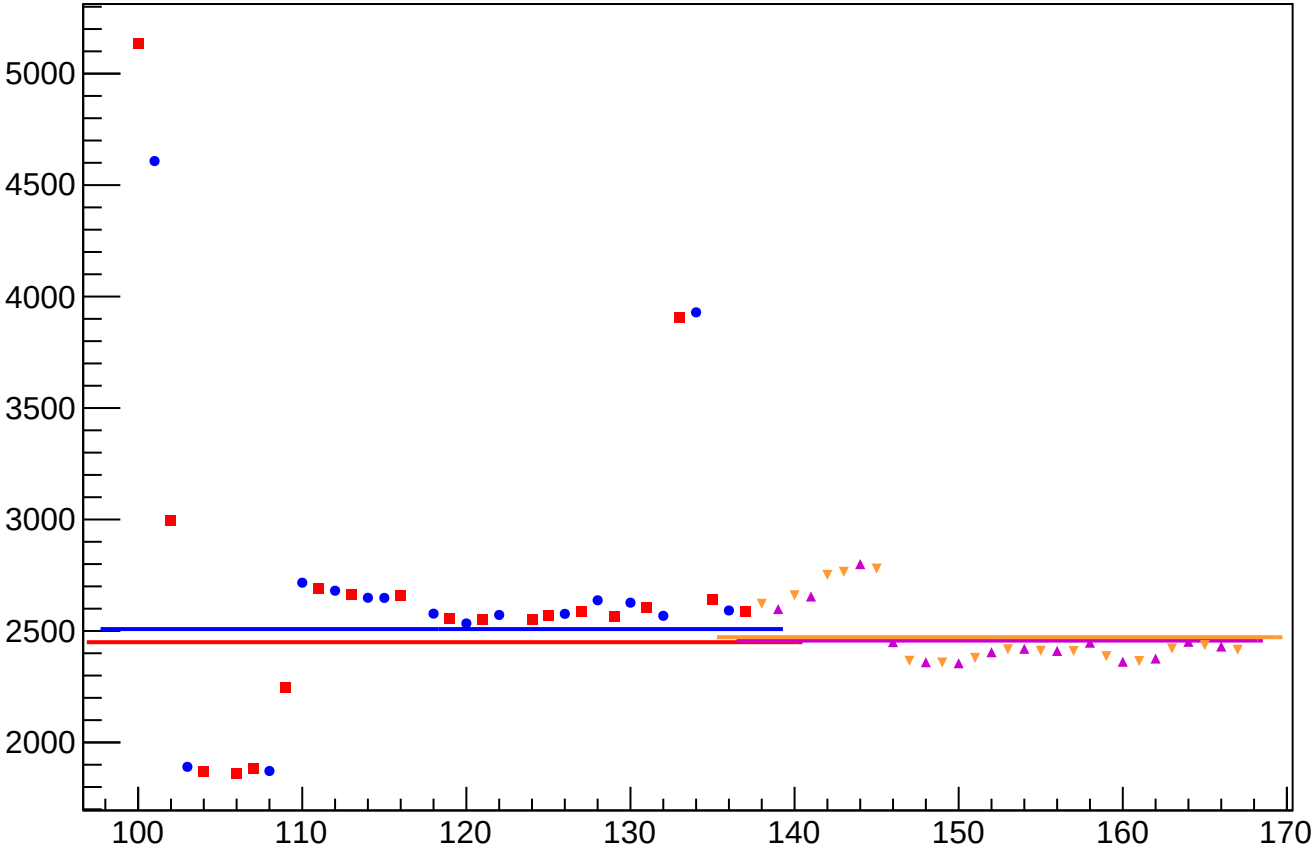
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3931.733+/-576.196 χ^2/NDF:15.2/29

Out: 908.818+/-555.774 χ^2/NDF:39.2/34

All: 2365.756+/-400.016 χ^2/NDF: 68.6/64

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2472.014+/-0.492 χ^2/NDF:81031.5/15

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2456.801+/-0.512 χ^2/NDF:54629.3/13

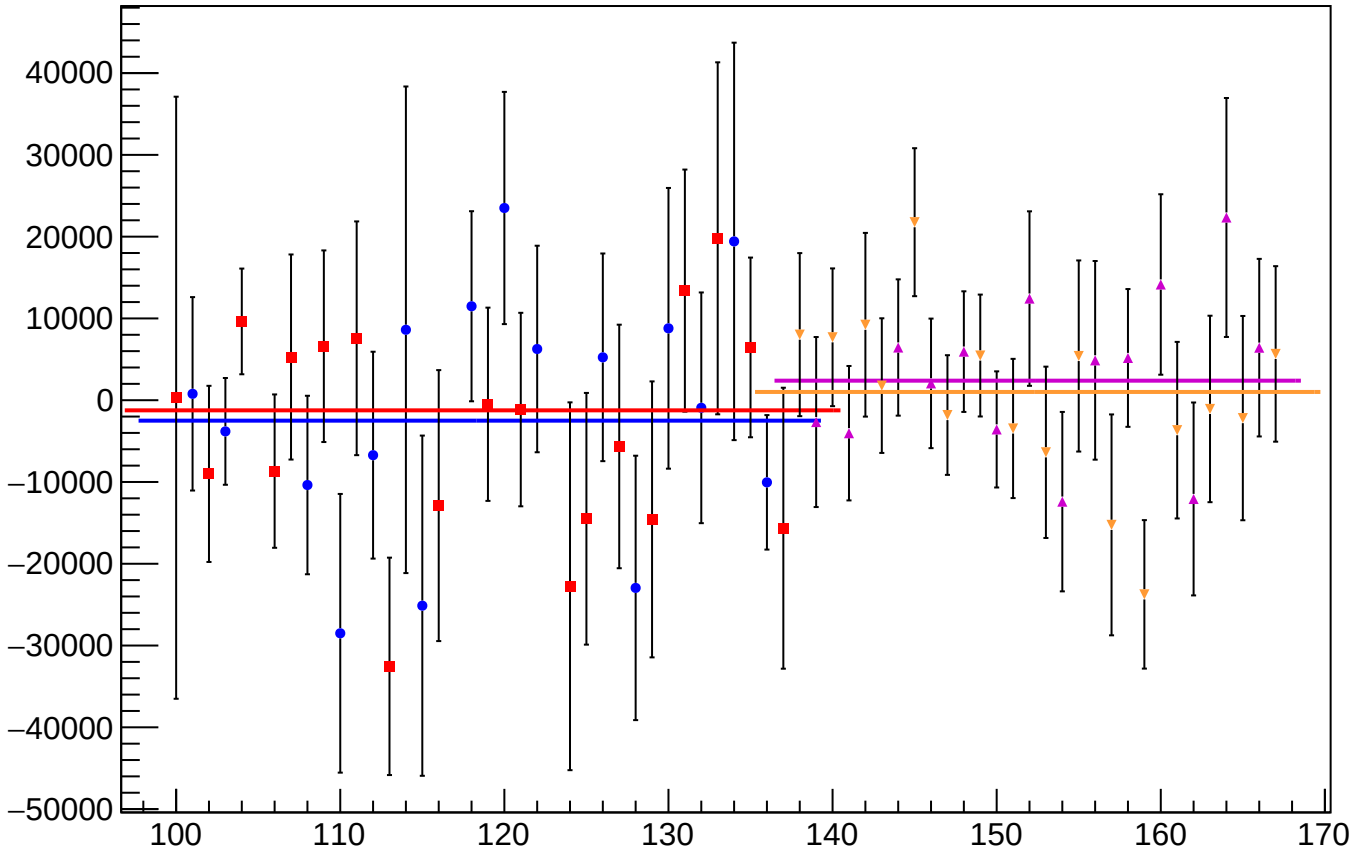
Left: 2464.701+/-0.355 χ^2/NDF: 136119.5/29

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2475.730+/-0.407 χ^2/NDF:669949.7/29

Out: 2463.889+/-0.393 χ^2/NDF:518627.4/34

All: 2469.596+/-0.283 χ^2/NDF: 1189014.6/64



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1009.411+/-2390.755 χ^2/NDF:17.7/15

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2388.894+/-2506.742 χ^2/NDF:9.5/13

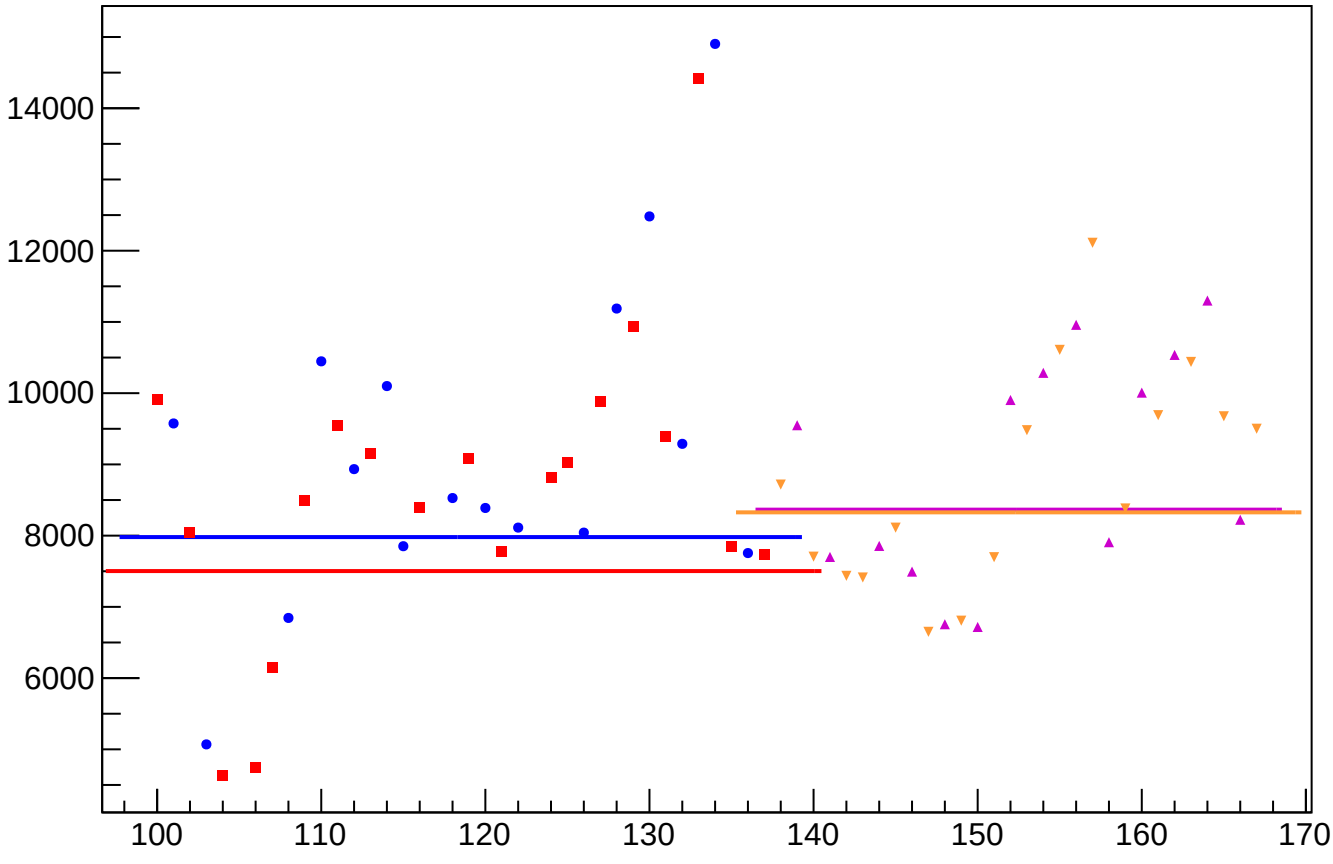
Left: 1666.501+/-1730.070 χ^2/NDF: 27.4/29

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: 437.421+/-1943.115 χ^2/NDF:24.8/29

Out: 96.824+/-1843.023 χ^2/NDF:34.7/34

All: 258.125+/-1337.199 χ^2/NDF: 59.5/64



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8326.917+/-1.691 χ^2/NDF:657000.8/15

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8364.869+/-1.773 χ^2/NDF:666671.6/13

Left: 8344.995+/-1.223 χ^2/NDF: 1323912.5/29

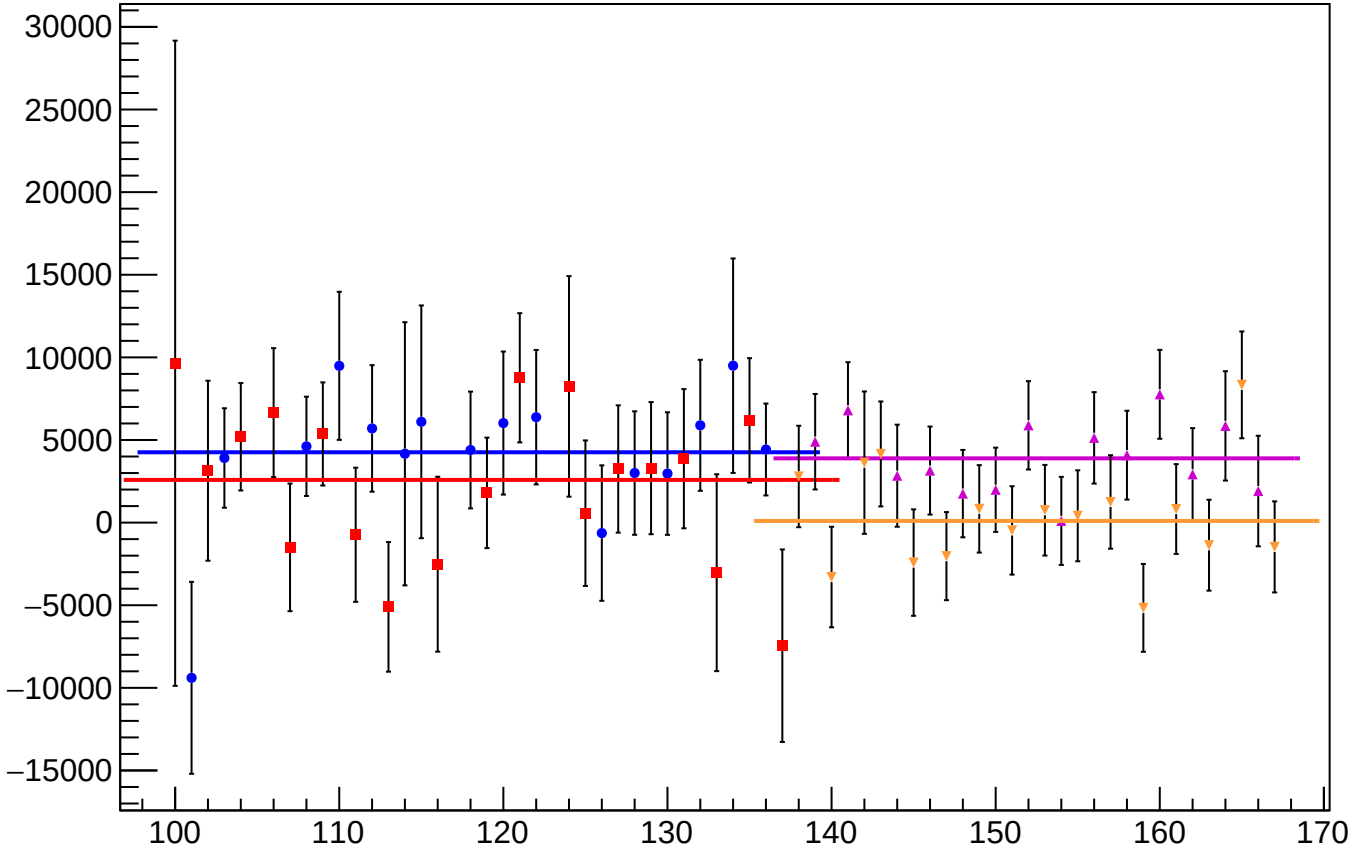
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8211.180+/-1.374 χ^2/NDF:1608292.6/29

Out: 7992.511+/-1.303 χ^2/NDF:1888970.5/34

All: 8096.068+/-0.946 χ^2/NDF: 3510596.4/64

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 102.687+/-722.863 χ^2/NDF:17.0/15

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3889.611+/-750.121 χ^2/NDF:8.2/13

Left: 1926.094+/-520.511 χ^2/NDF: 38.4/29

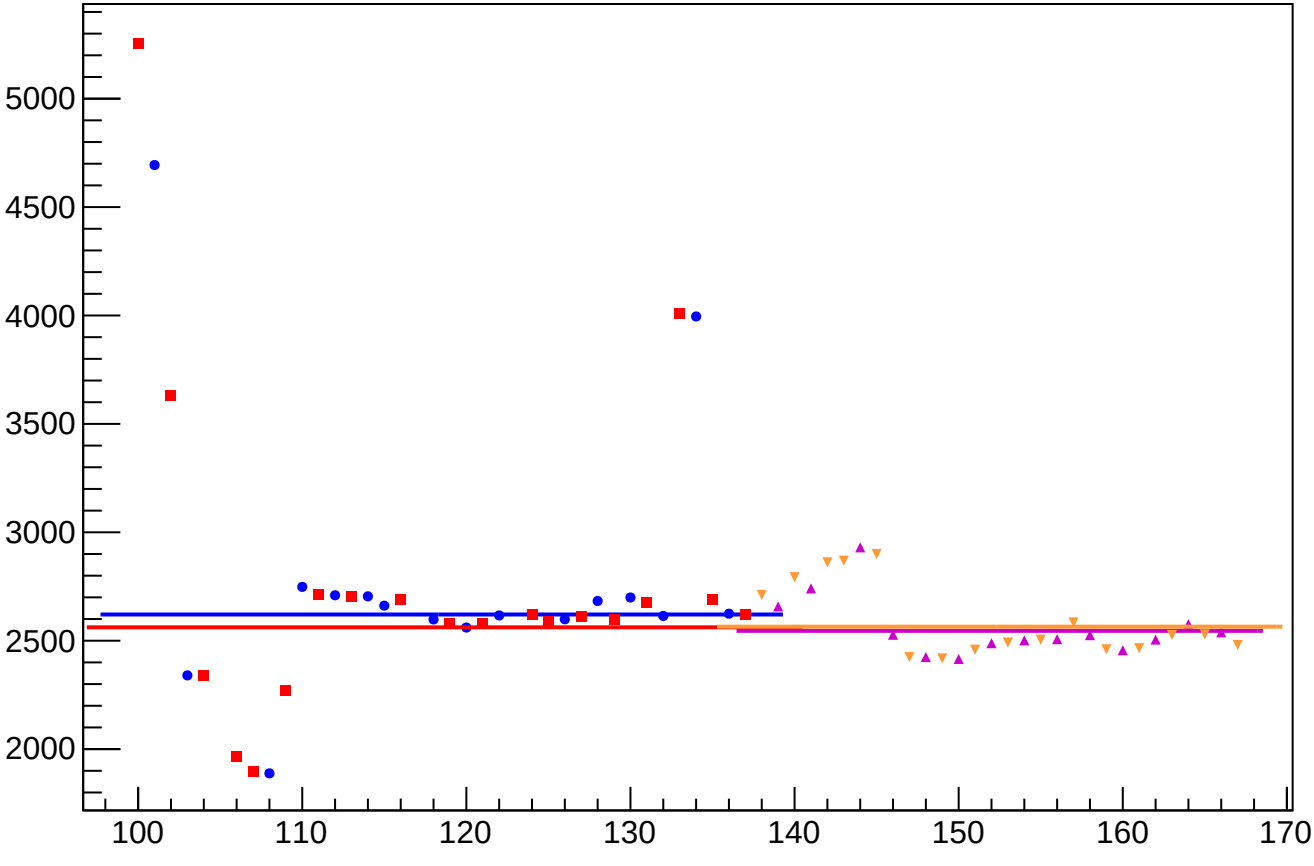
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4023.503+/-598.000 χ^2/NDF:18.3/29

Out: 993.565+/-578.771 χ^2/NDF:38.9/34

All: 2459.037+/-415.885 χ^2/NDF: 70.5/64

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2564.832+/-0.511 χ^2/NDF:90790.9/15

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2545.557+/-0.530 χ^2/NDF:57345.9/13

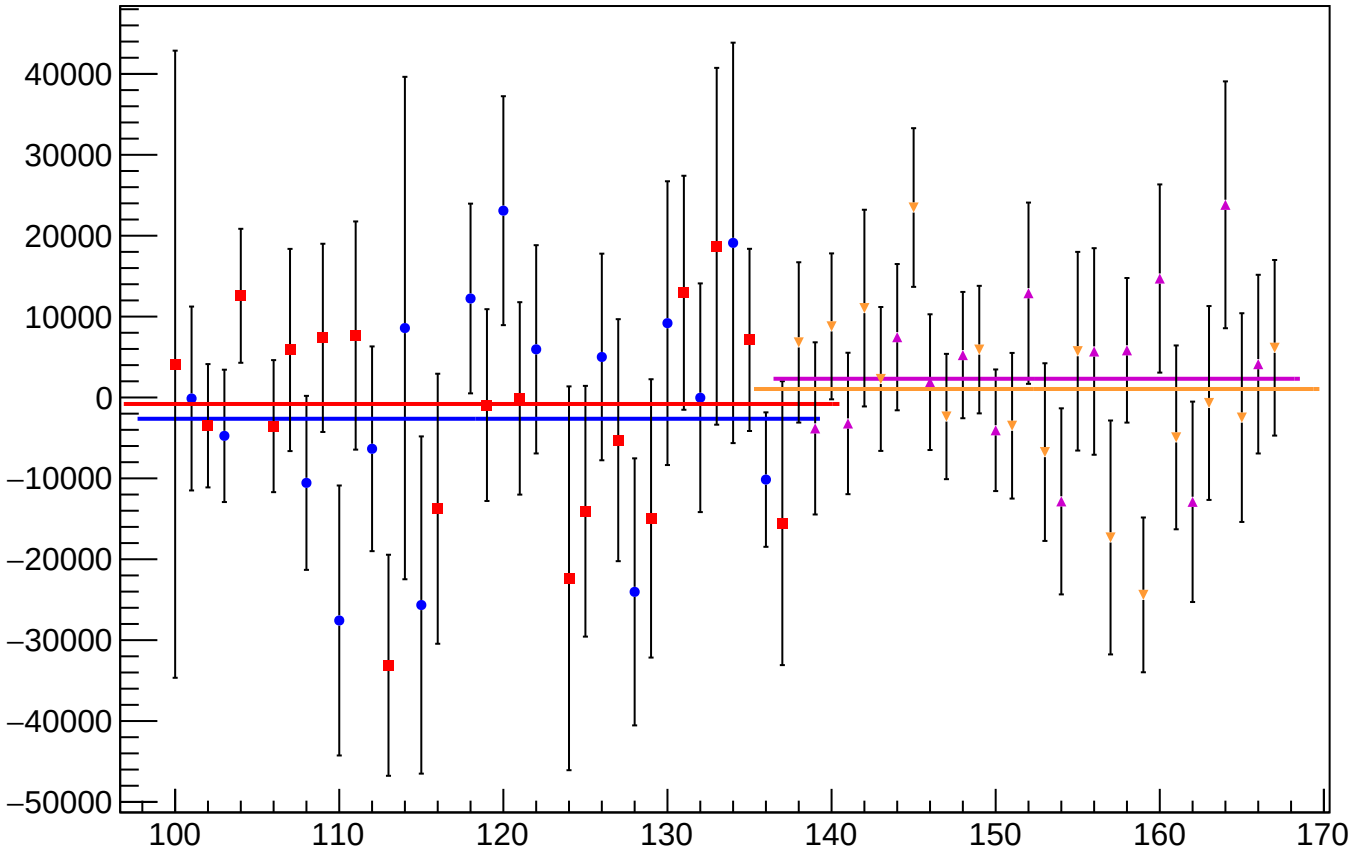
Left: 2555.551+/-0.368 χ^2/NDF: 148821.5/29

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2573.040+/-0.423 χ^2/NDF:550626.3/29

Out: 2563.713+/-0.409 χ^2/NDF:469063.7/34

All: 2568.223+/-0.294 χ^2/NDF: 1019941.2/64



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1048.648+/-2522.265 χ^2/NDF:17.8/15

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 2313.653+/-2644.253 χ^2/NDF:9.4/13

Left: 1651.299+/-1825.113 χ^2/NDF: 27.3/29

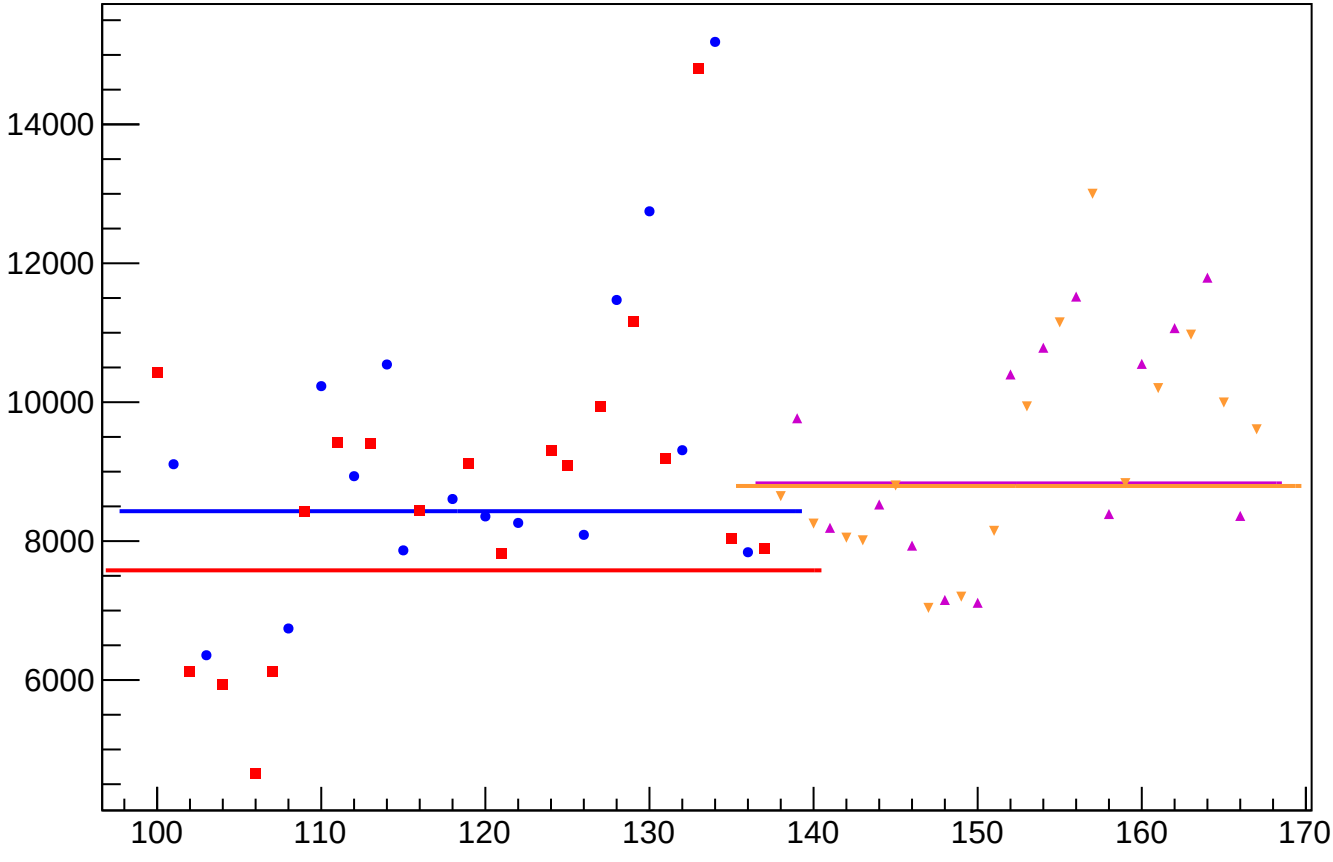
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: 315.495+/-2041.340 χ^2/NDF:24.6/29

Out: 242.721+/-1895.433 χ^2/NDF:33.4/34

All: 276.414+/-1388.994 χ^2/NDF: 58.0/64

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8793.899+/-1.784 χ^2/NDF:615589.7/15

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8830.722+/-1.870 χ^2/NDF:626572.4/13

Left: 8811.441+/-1.291 χ^2/NDF: 1242365.1/29

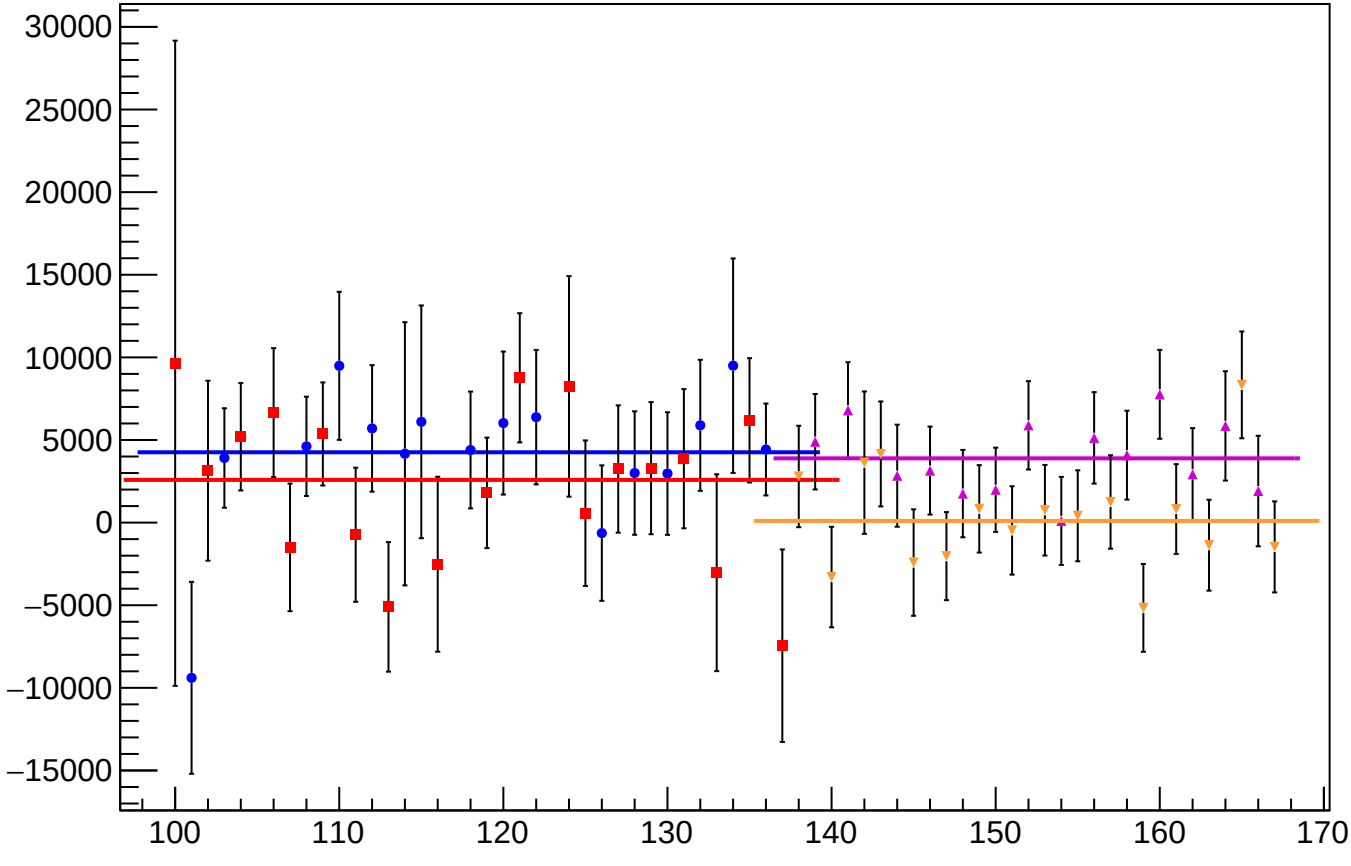
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8669.129+/-1.443 χ^2/NDF:1225354.1/29

Out: 8265.130+/-1.340 χ^2/NDF:1791652.7/34

All: 8452.177+/-0.982 χ^2/NDF: 3059073.9/64

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 102.668+/-722.864 χ^2/NDF:17.0/15

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3889.616+/-750.122 χ^2/NDF:8.2/13

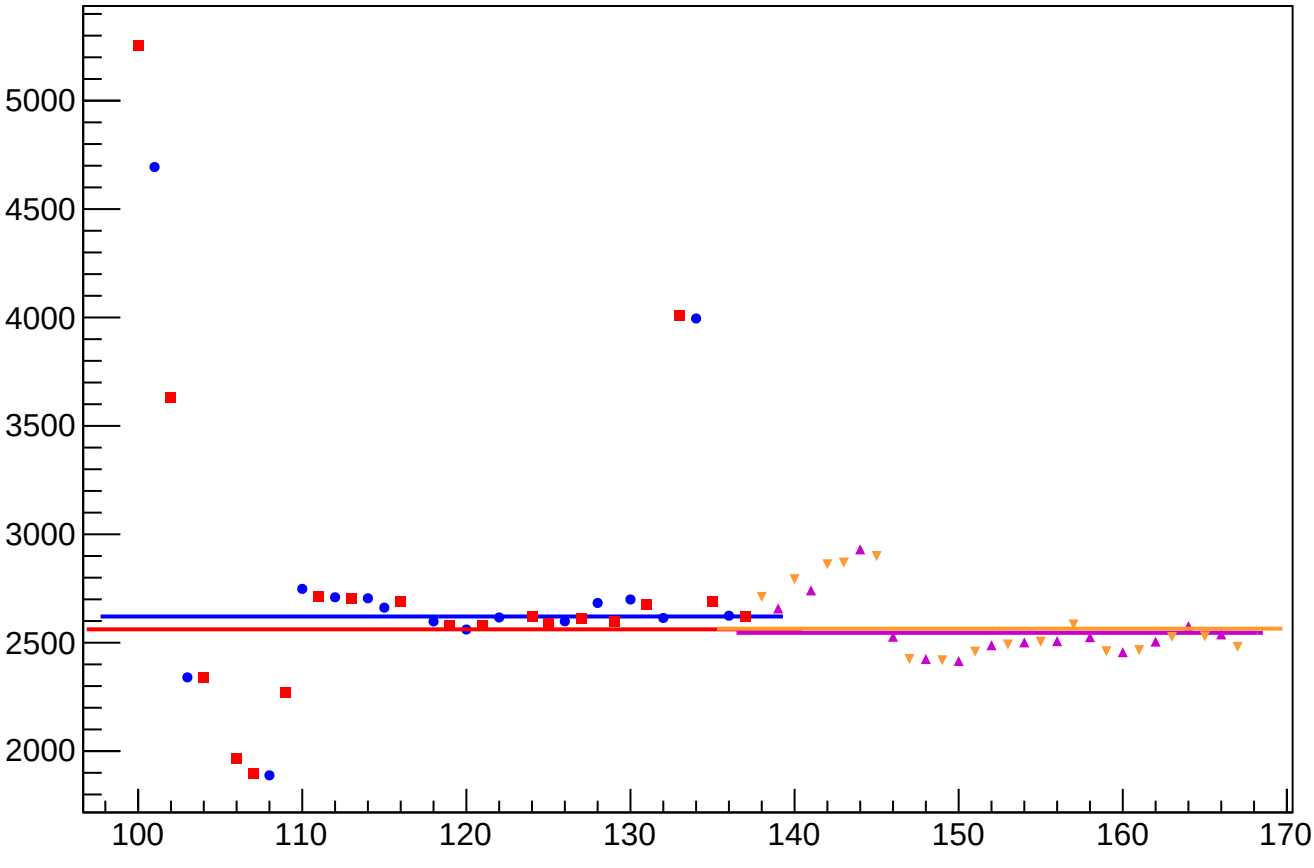
Left: 1926.087+/-520.512 χ^2/NDF: 38.4/29

Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4023.509+/-598.000 χ^2/NDF:18.3/29

Out: 993.558+/-578.772 χ^2/NDF:38.9/34

All: 2459.037+/-415.885 χ^2/NDF: 70.5/64



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2564.834+/-0.511 χ^2/NDF:90790.7/15

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2545.559+/-0.530 χ^2/NDF:57345.6/13

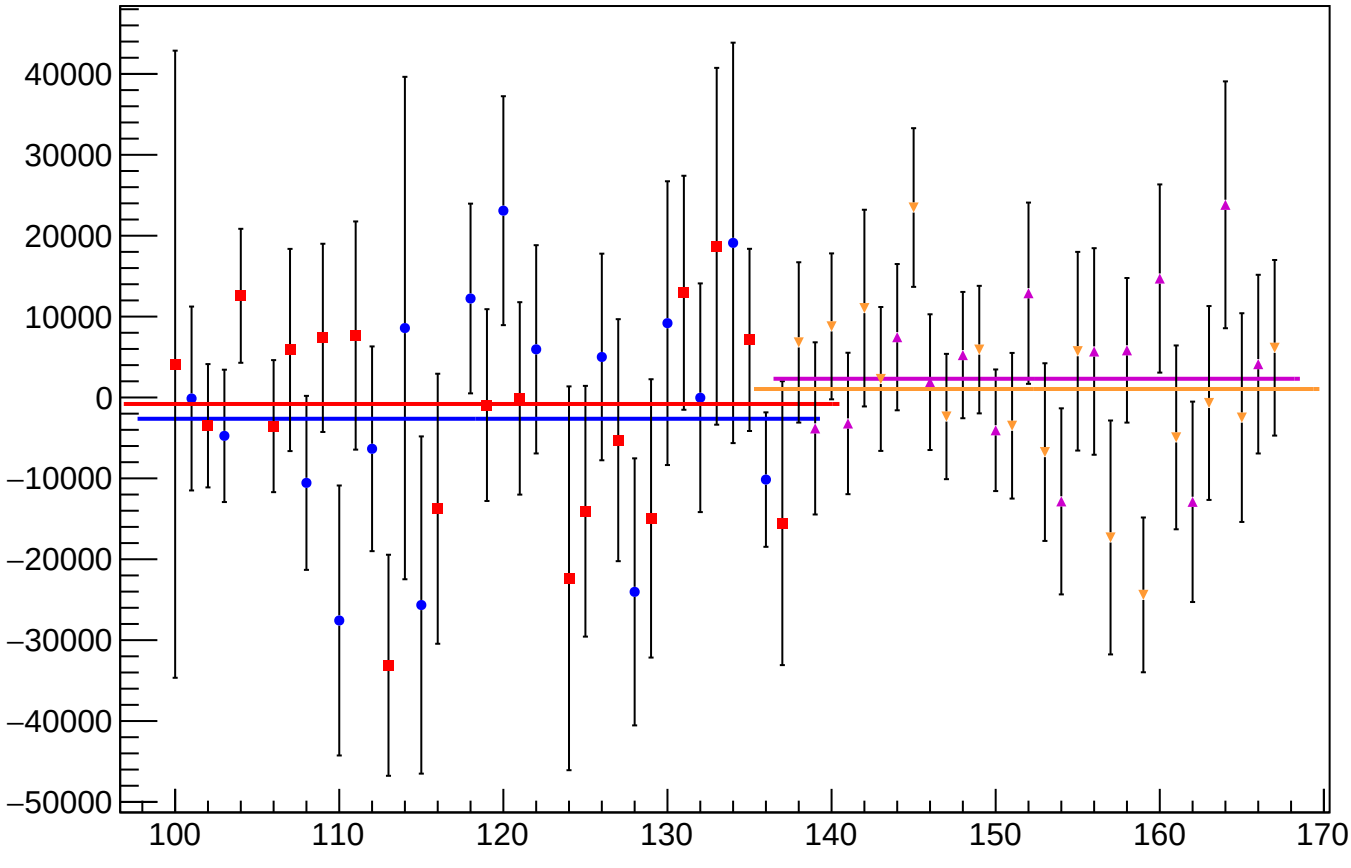
Left: 2555.553+/-0.368 χ^2/NDF: 148821.0/29

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2573.041+/-0.423 χ^2/NDF:550625.6/29

Out: 2563.715+/-0.409 χ^2/NDF:469062.9/34

All: 2568.225+/-0.294 χ^2/NDF: 1019939.7/64



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1048.640+/-2522.270 χ^2/NDF:17.8/15

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 2313.650+/-2644.258 χ^2/NDF:9.4/13

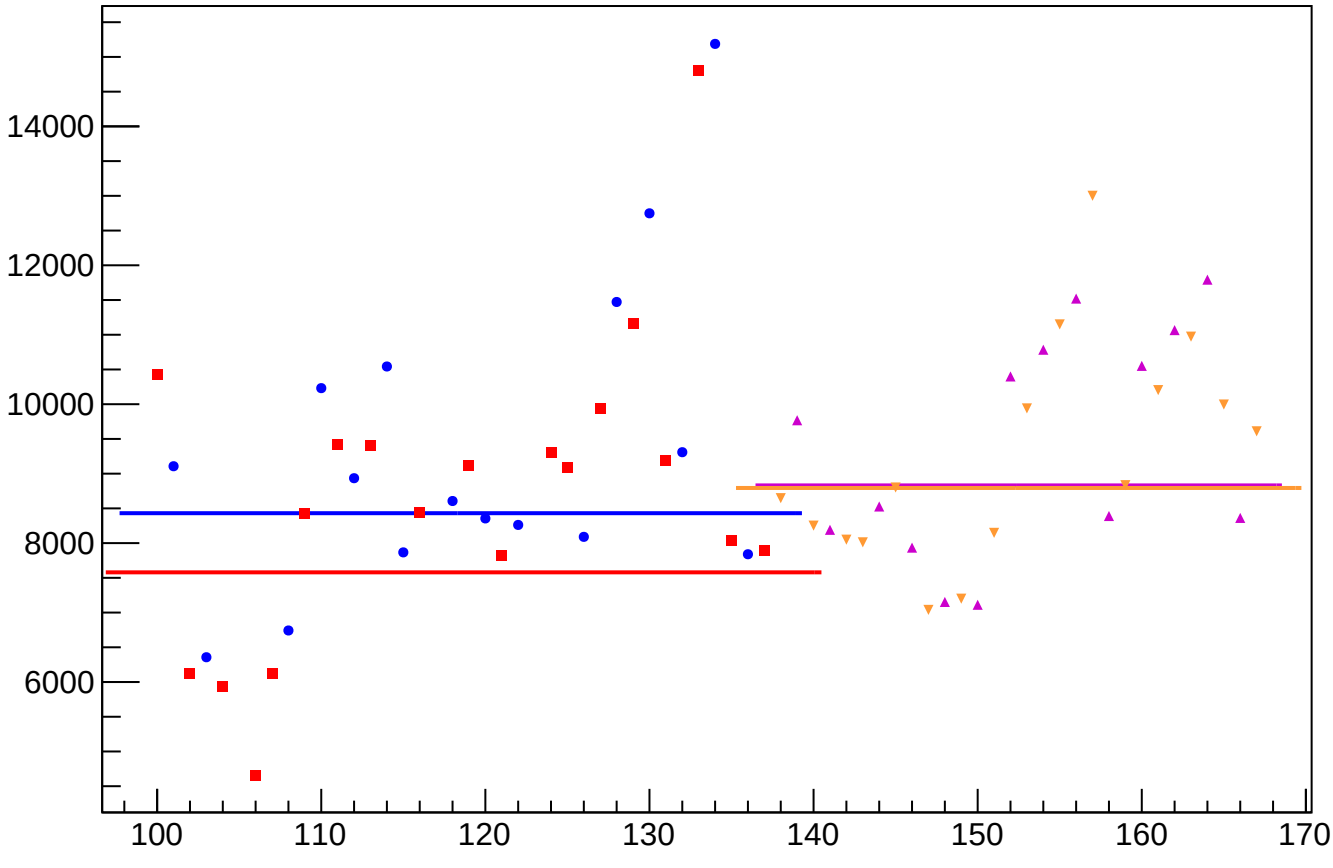
Left: 1651.293+/-1825.116 χ^2/NDF: 27.3/29

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: 315.499+/-2041.341 χ^2/NDF:24.6/29

Out: 242.715+/-1895.434 χ^2/NDF:33.4/34

All: 276.413+/-1388.995 χ^2/NDF: 58.0/64



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8793.913+/-1.784 χ^2/NDF:615590.8/15

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8830.736+/-1.870 χ^2/NDF:626572.1/13

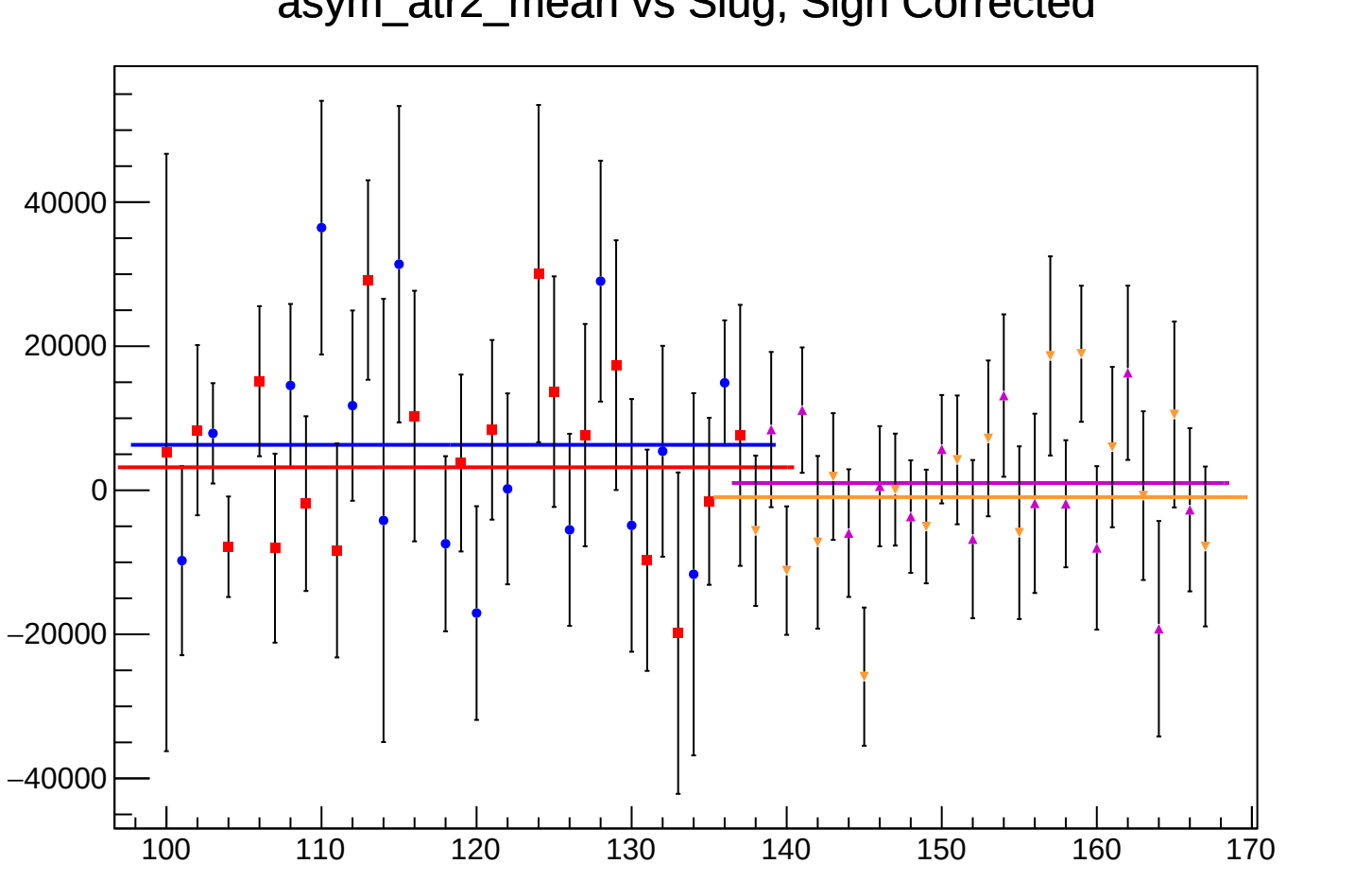
Left: 8811.456+/-1.291 χ^2/NDF: 1242366.0/29

Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

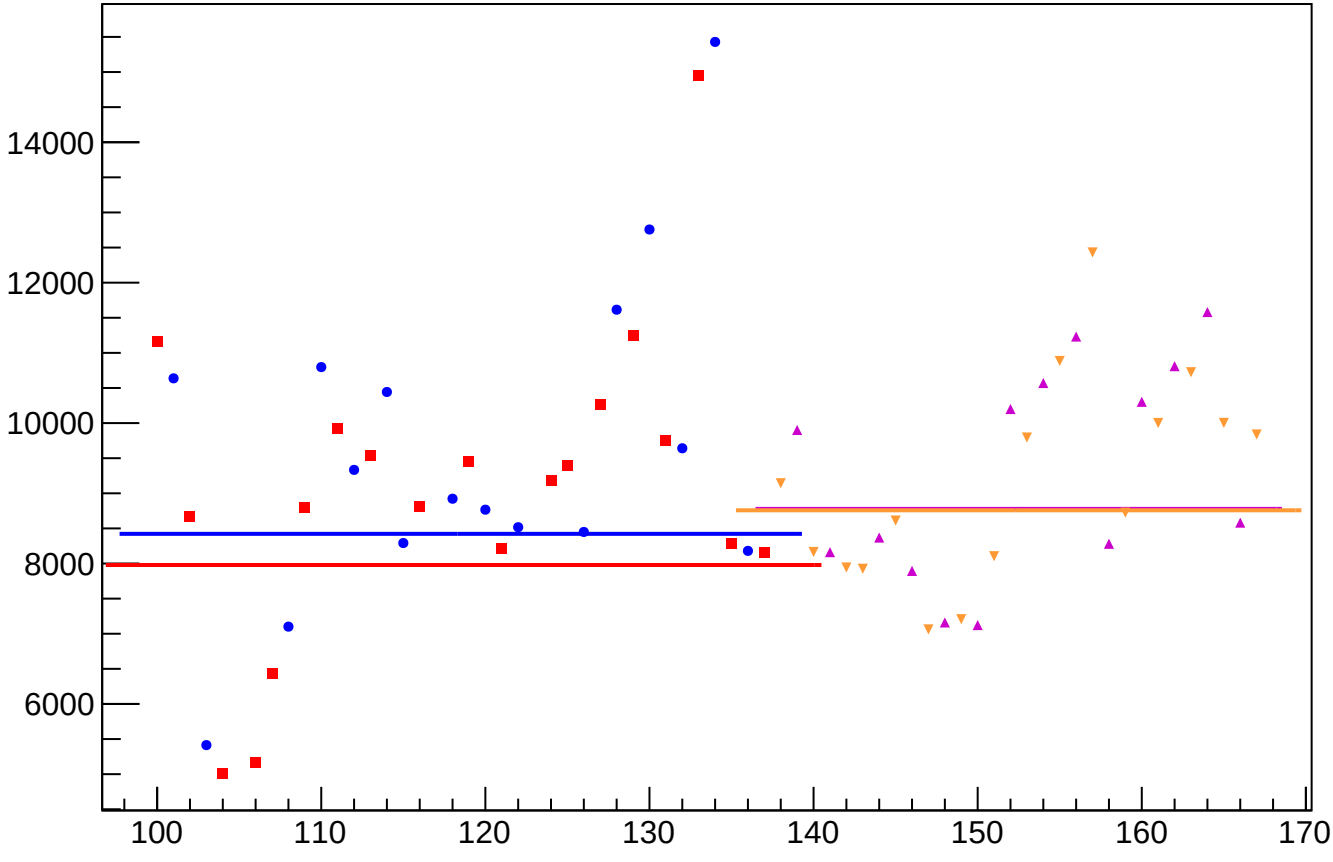
In: 8669.133+/-1.443 χ^2/NDF:1225350.4/29

Out: 8265.131+/-1.340 χ^2/NDF:1791659.0/34

All: 8452.179+/-0.982 χ^2/NDF: 3059077.0/64


asym_atr2_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: 6307.034+/-3239.703 χ²/NDF: 15.1/15
Left Out: -953.472+/-2507.151 χ²/NDF:18.0/15
Right Out: 3189.356+/-3068.645 χ²/NDF: 13.9/18
Left In: 1009.145+/-2623.791 χ²/NDF:9.2/13
Left: -16.756+/-1812.656 χ²/NDF: 27.5/29
Right: 4663.718+/-2227.879 χ²/NDF: 29.5/34
In: 3107.664+/-2038.967 χ²/NDF:25.9/29
Out: 704.939+/-1941.531 χ²/NDF:33.0/34
All: 1847.522+/-1406.054 χ²/NDF: 59.6/64

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8757.898+/-1.773 χ^2/NDF:563994.5/15

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8778.355+/-1.855 χ^2/NDF:572399.9/13

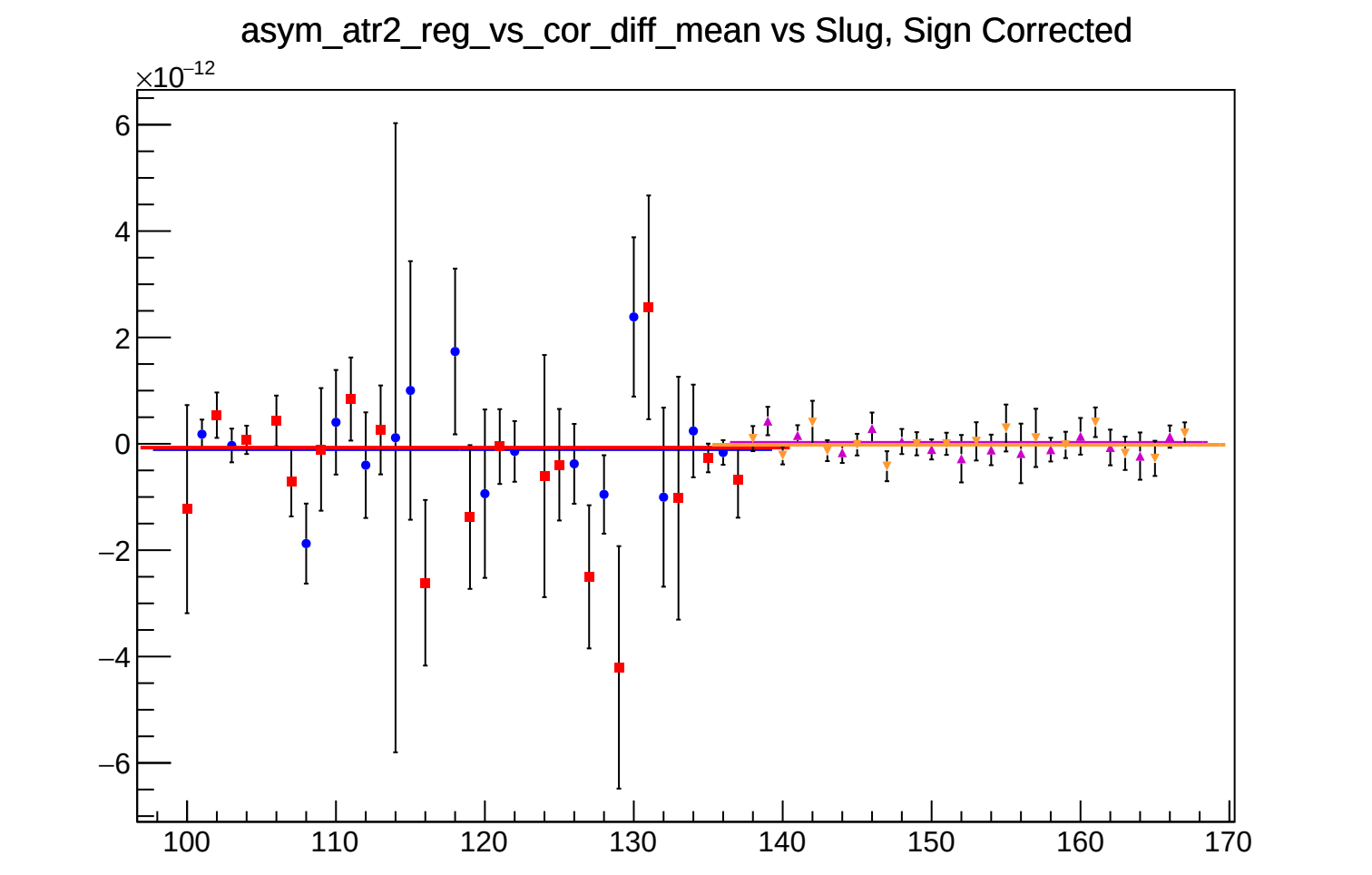
Left: 8767.662+/-1.282 χ^2/NDF: 1136458.0/29

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8637.485+/-1.442 χ^2/NDF:1468788.3/29

Out: 8446.090+/-1.373 χ^2/NDF:1657288.5/34

All: 8537.105+/-0.994 χ^2/NDF: 3135319.3/64



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/13

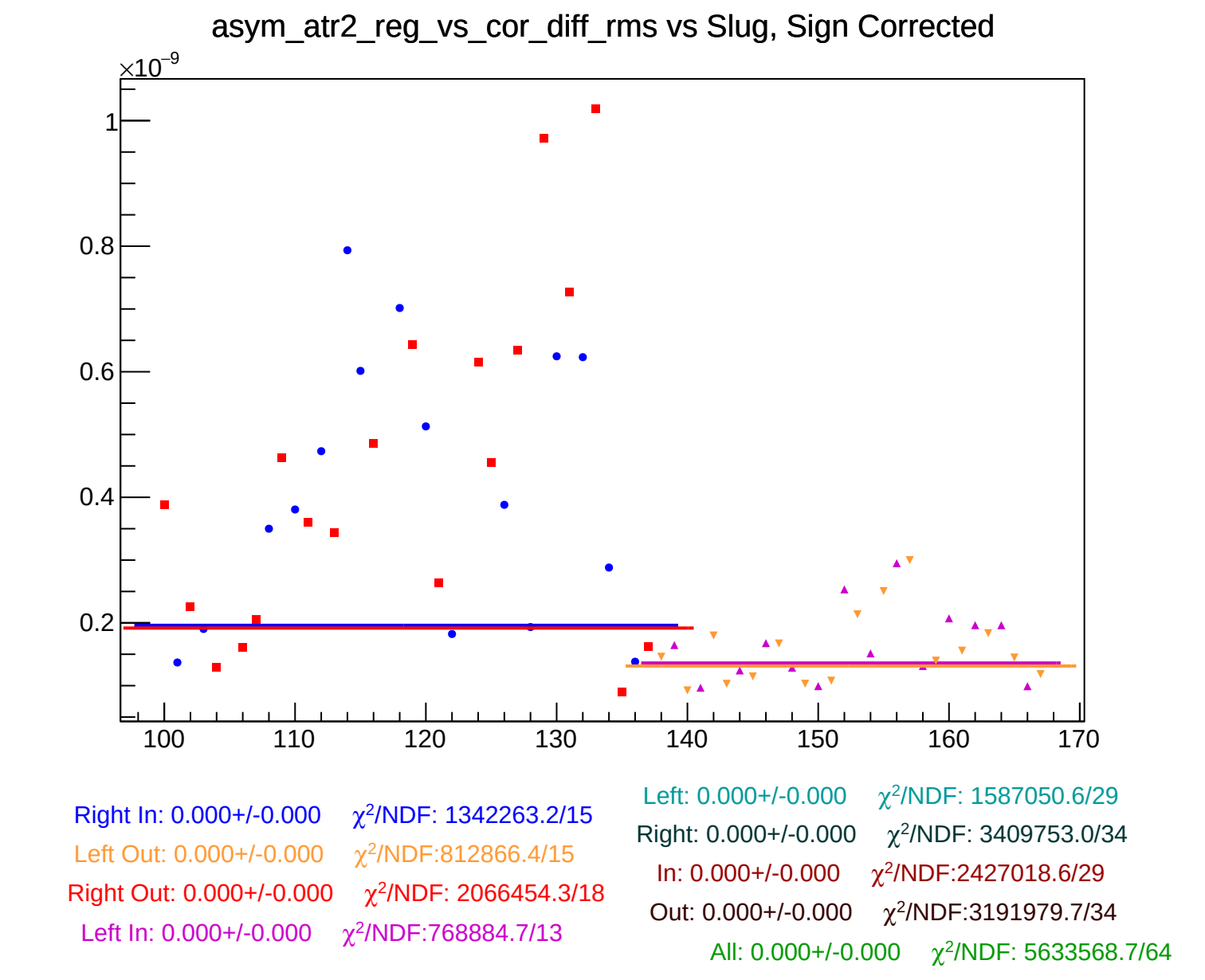
Left: -0.000+/-0.000 χ^2/NDF: 17.2/29

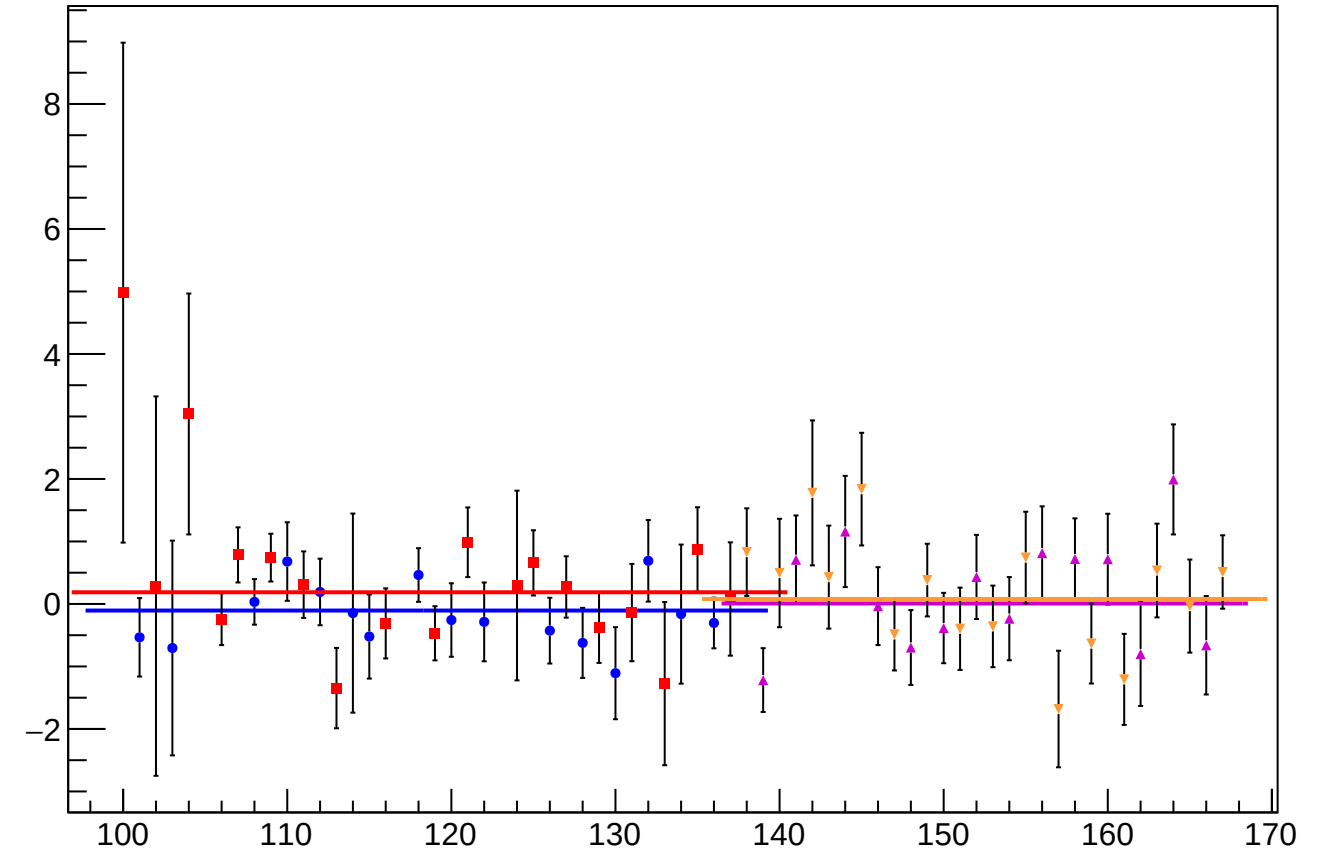
Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: -0.000+/-0.000 χ^2/NDF:21.2/29

Out: -0.000+/-0.000 χ^2/NDF:29.8/34

All: -0.000+/-0.000 χ^2/NDF: 51.1/64


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:812866.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:768884.7/13
Left: 0.000+/-0.000 χ²/NDF: 1587050.6/29
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2427018.6/29
Out: 0.000+/-0.000 χ²/NDF:3191979.7/34
All: 0.000+/-0.000 χ²/NDF: 5633568.7/64



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.008+/-0.181 χ^2/NDF:20.9/13

Left: 0.044+/-0.127 χ^2/NDF: 40.3/29

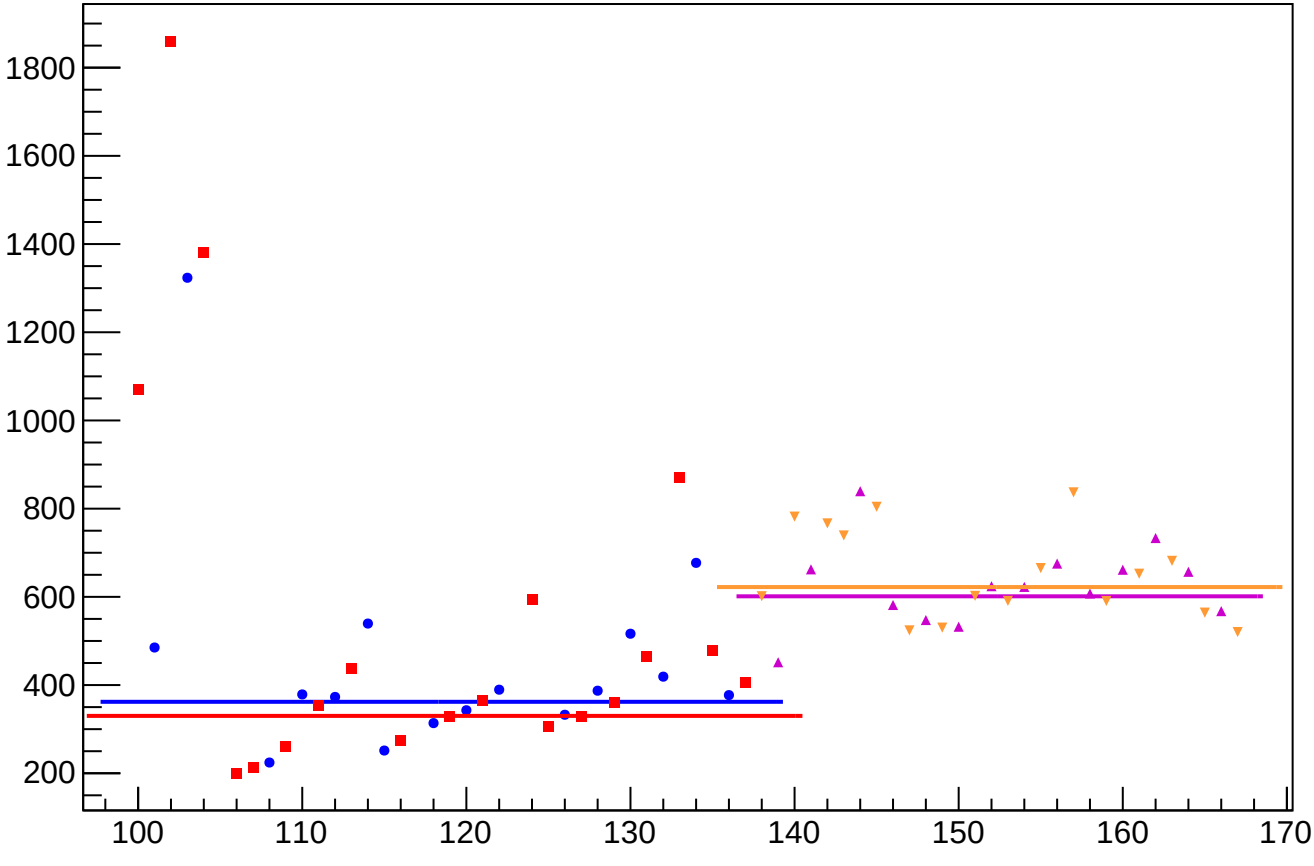
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.061+/-0.113 χ^2/NDF:30.8/29

Out: 0.147+/-0.109 χ^2/NDF:43.5/34

All: 0.047+/-0.078 χ^2/NDF: 76.0/64

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 622.206+/-0.126 χ^2/NDF:543245.9/15

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 601.241+/-0.128 χ^2/NDF:478166.9/13

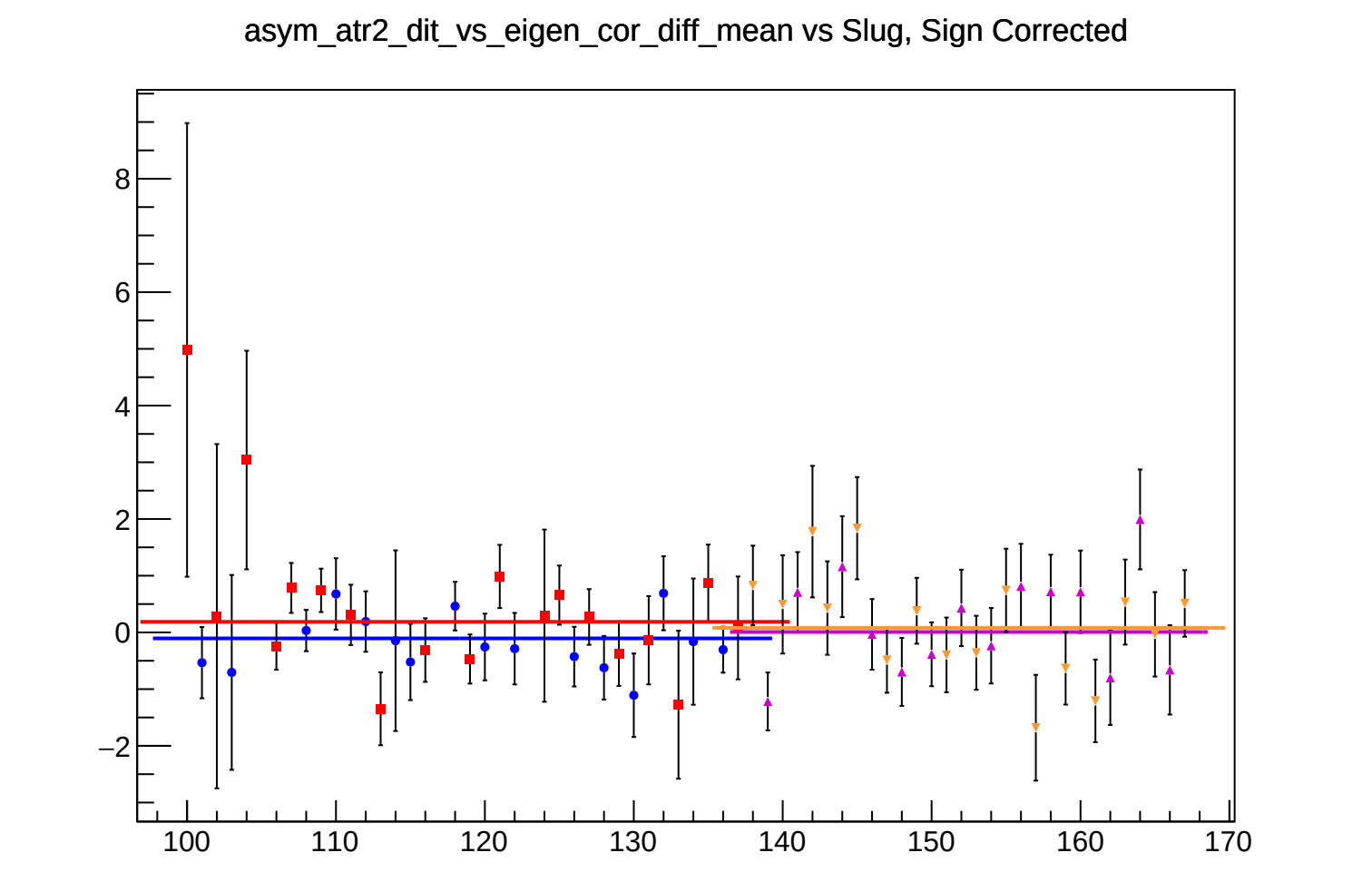
Left: 611.857+/-0.090 χ^2/NDF: 1034973.2/29

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 455.187+/-0.080 χ^2/NDF:3984290.7/29

Out: 438.486+/-0.077 χ^2/NDF:6143904.4/34

All: 446.529+/-0.055 χ^2/NDF: 10150819.1/64



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.008+/-0.181 χ^2/NDF:20.9/13

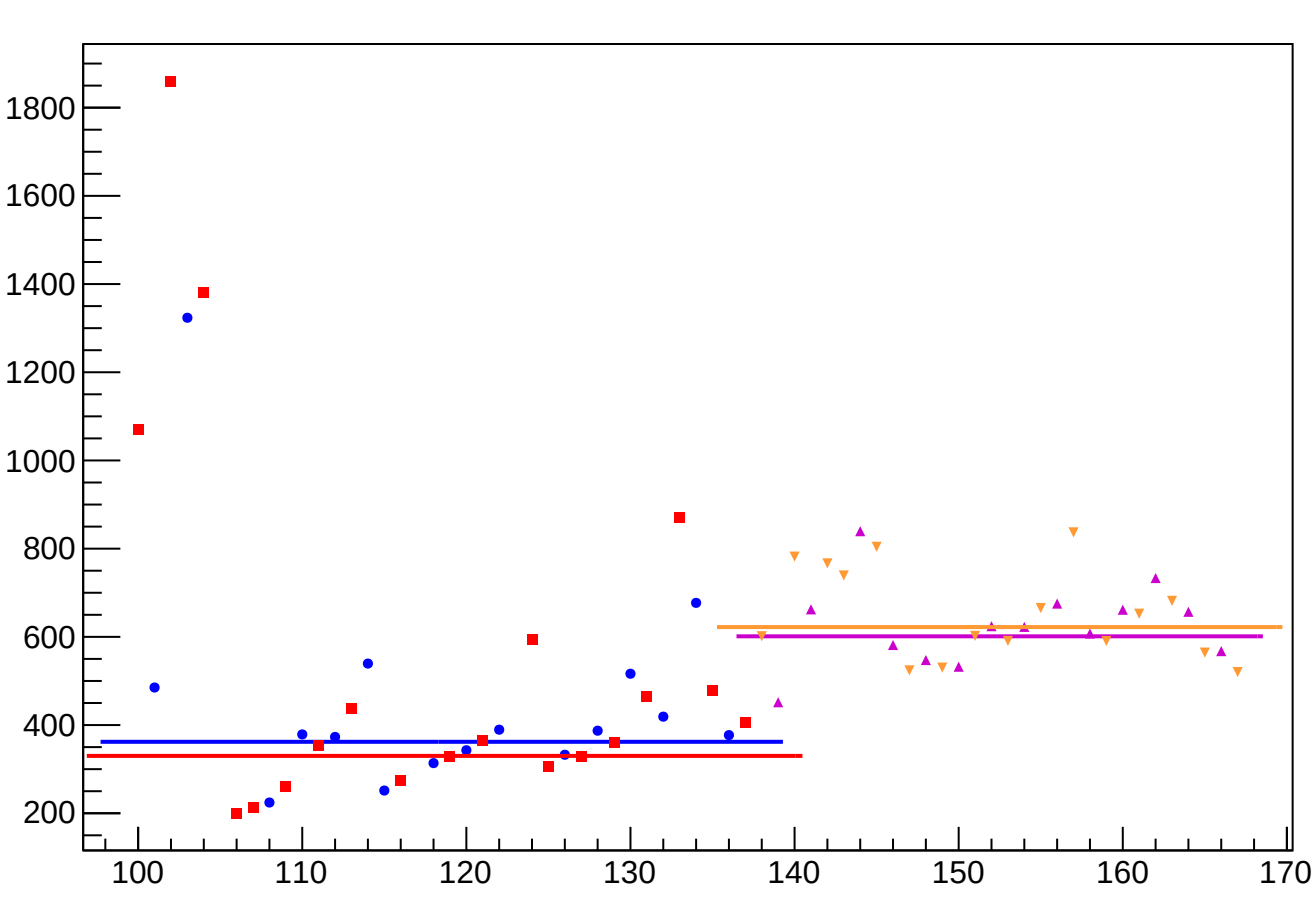
Left: 0.044+/-0.127 χ^2/NDF: 40.3/29

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.061+/-0.113 χ^2/NDF:30.8/29

Out: 0.147+/-0.109 χ^2/NDF:43.5/34

All: 0.047+/-0.078 χ^2/NDF: 76.0/64



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 622.206+/-0.126 χ^2/NDF:543245.9/15

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 601.241+/-0.128 χ^2/NDF:478166.9/13

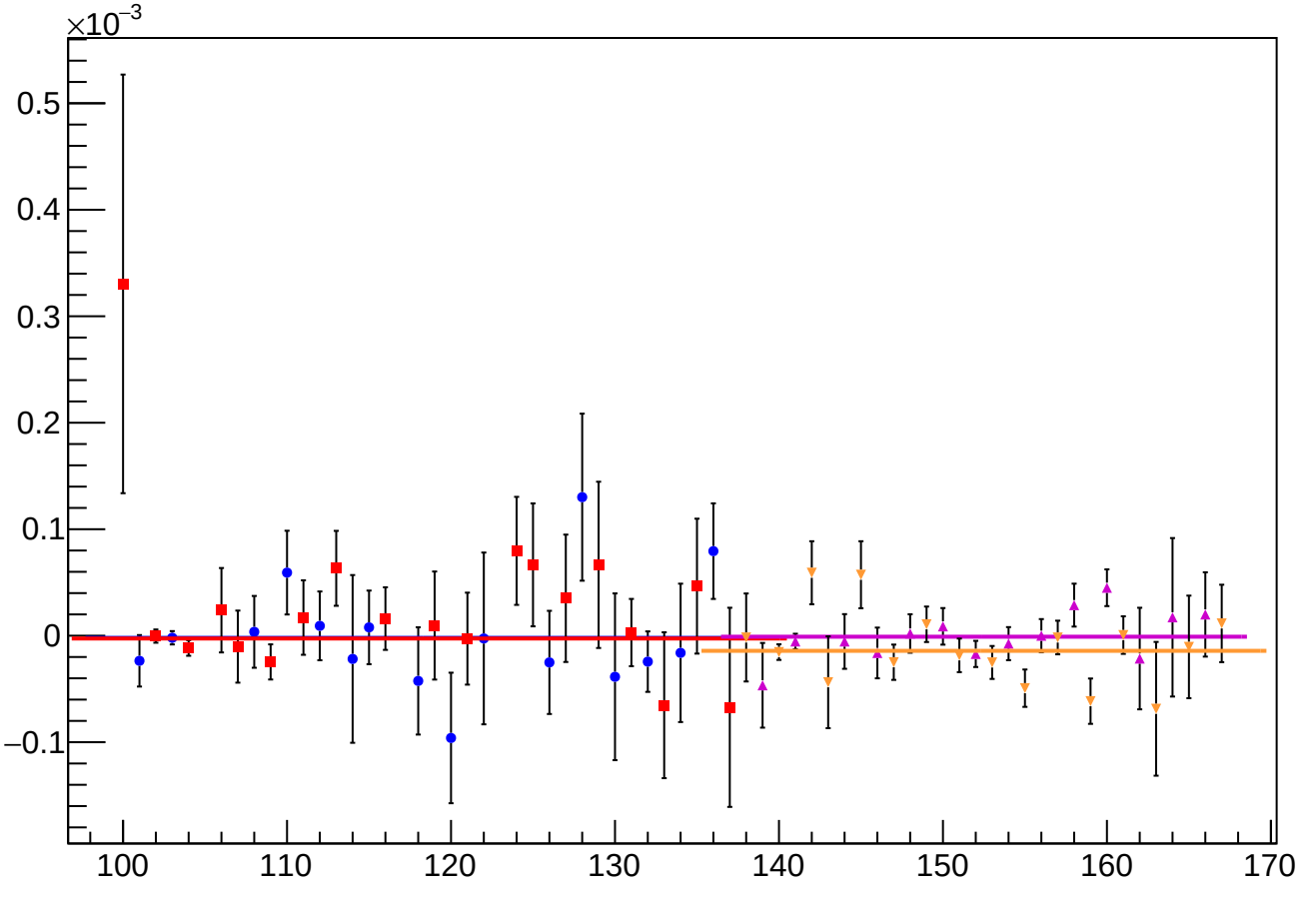
Left: 611.857+/-0.090 χ^2/NDF: 1034973.2/29

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 455.187+/-0.080 χ^2/NDF:3984290.7/29

Out: 438.486+/-0.077 χ^2/NDF:6143904.4/34

All: 446.529+/-0.055 χ^2/NDF: 10150819.1/64



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.2/13

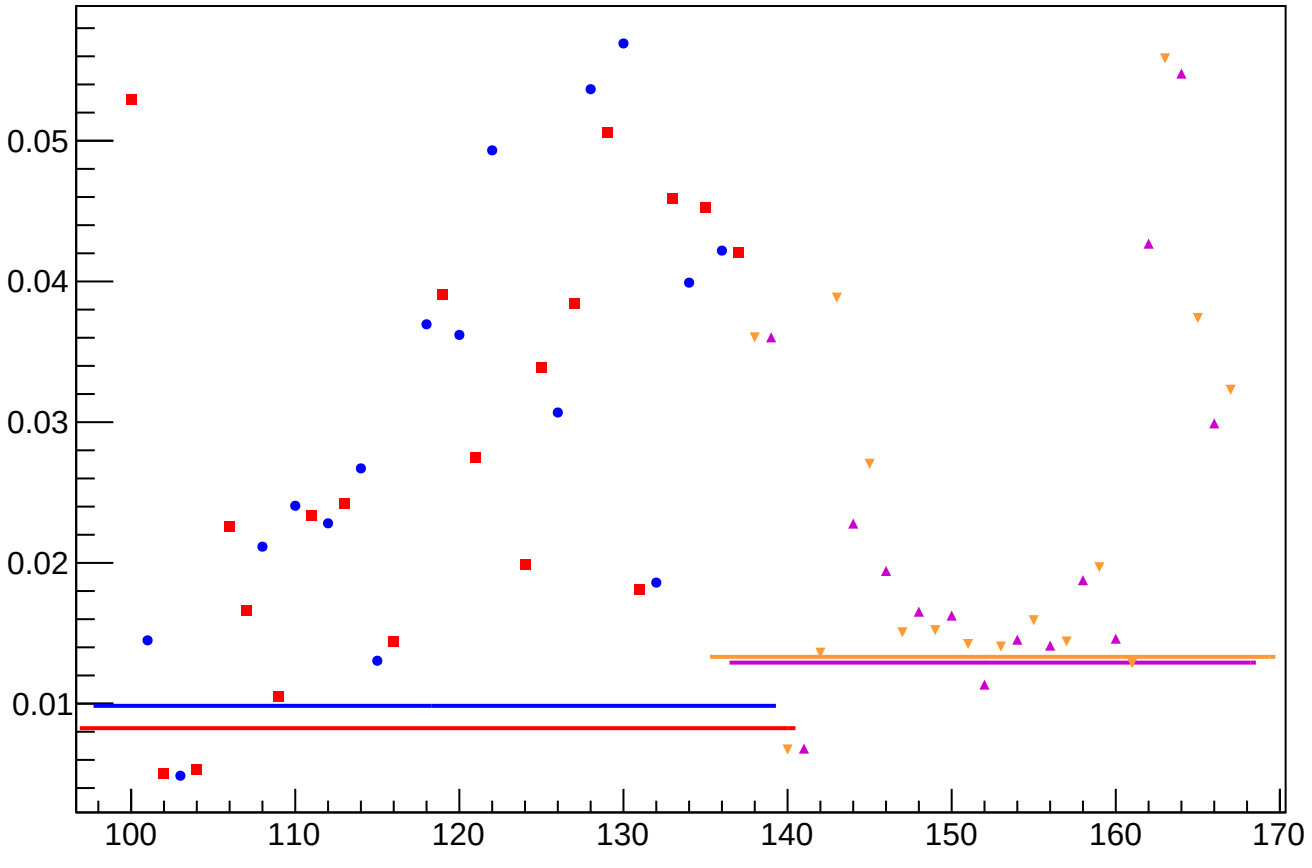
Left: -0.000+/-0.000 χ^2/NDF: 45.3/29

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:28.0/29

Out: -0.000+/-0.000 χ^2/NDF:48.4/34

All: -0.000+/-0.000 χ^2/NDF: 78.6/64



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:5545037.2/15

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:4737752.0/13

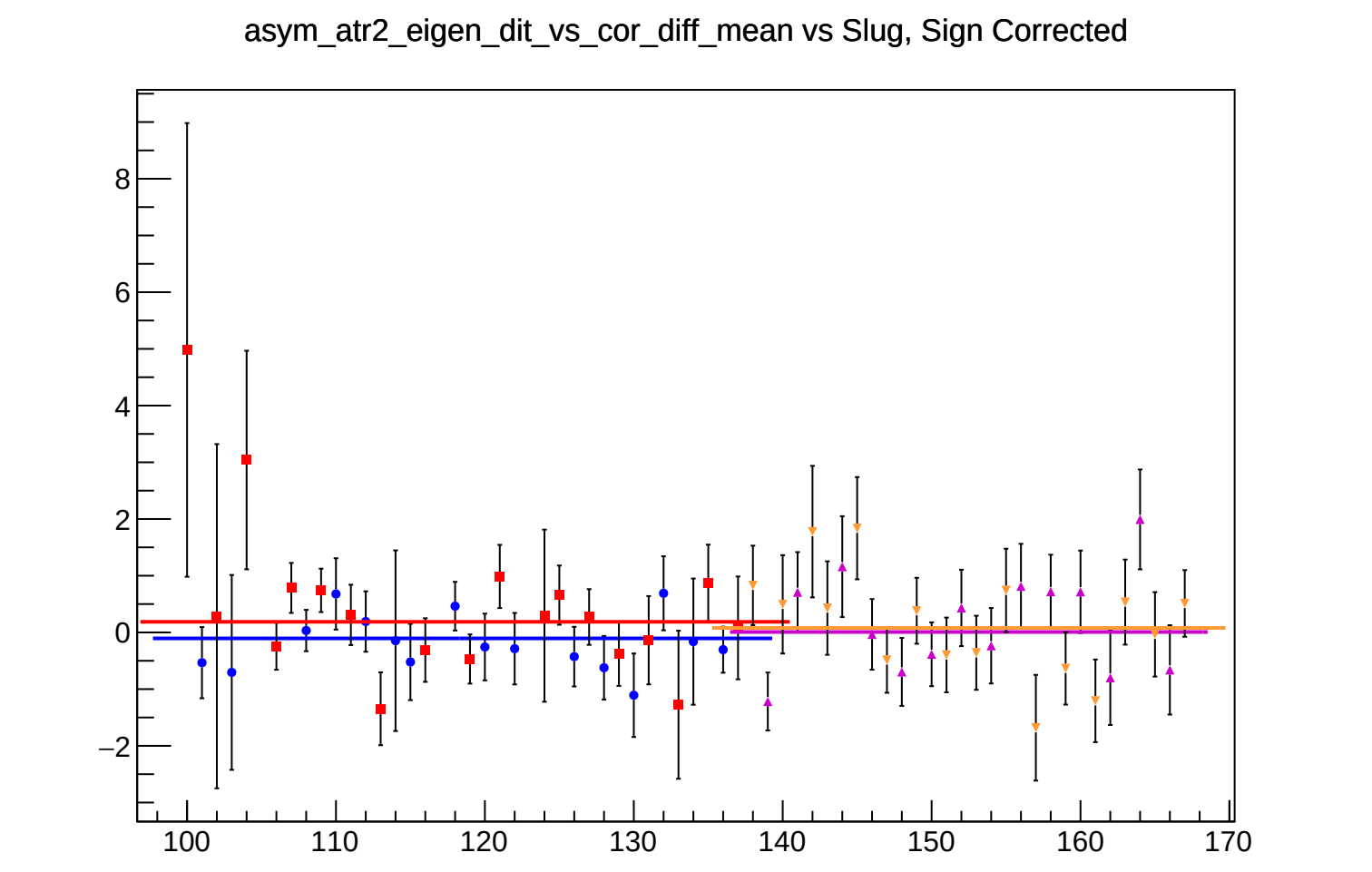
Left: 0.013+/-0.000 χ^2/NDF: 10291478.5/29

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:12177660.6/29

Out: 0.011+/-0.000 χ^2/NDF:13663131.0/34

All: 0.011+/-0.000 χ^2/NDF: 25937094.9/64



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.008+/-0.181 χ^2/NDF:20.9/13

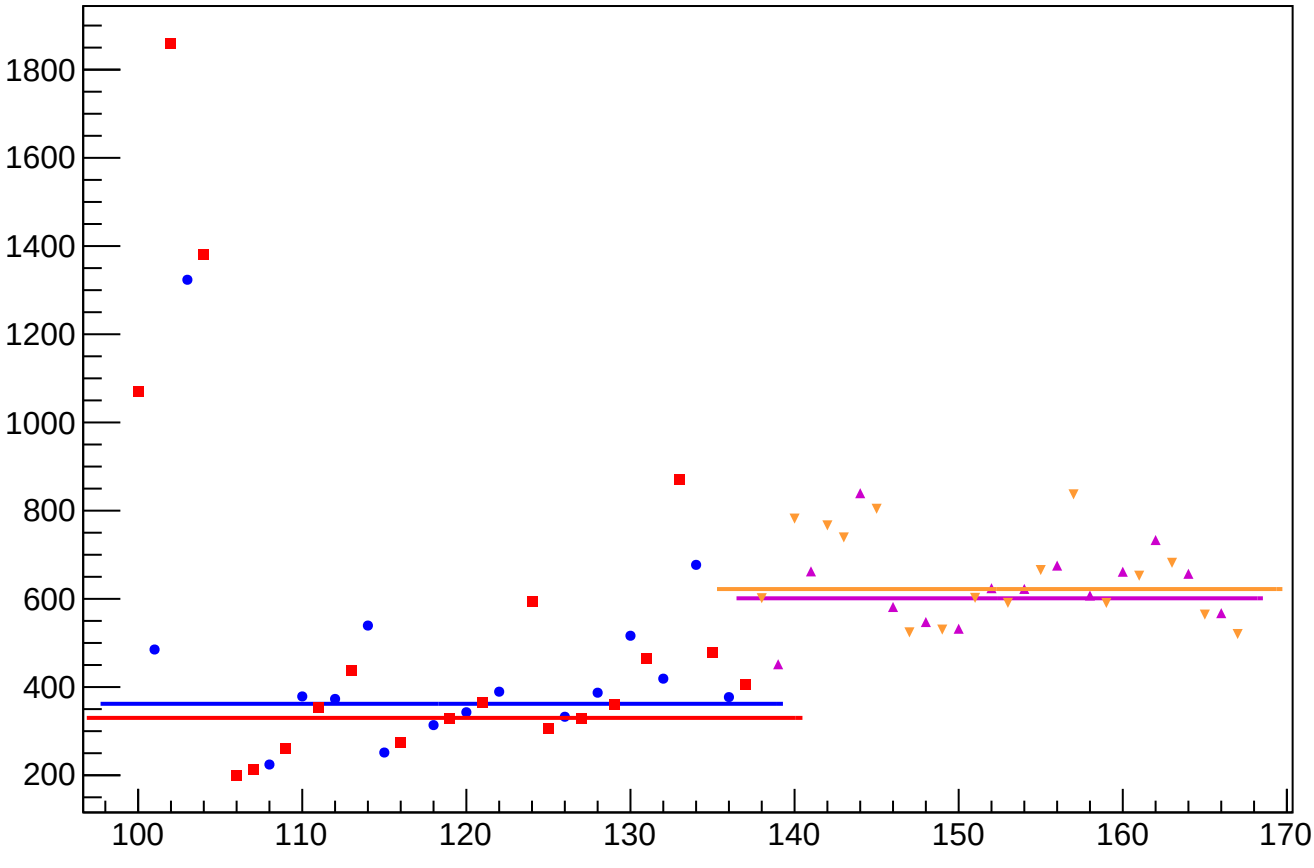
Left: 0.044+/-0.127 χ^2/NDF: 40.3/29

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.061+/-0.113 χ^2/NDF:30.8/29

Out: 0.147+/-0.109 χ^2/NDF:43.5/34

All: 0.047+/-0.078 χ^2/NDF: 76.0/64



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 622.217+/-0.126 χ^2/NDF:543231.8/15

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 601.250+/-0.128 χ^2/NDF:478157.6/13

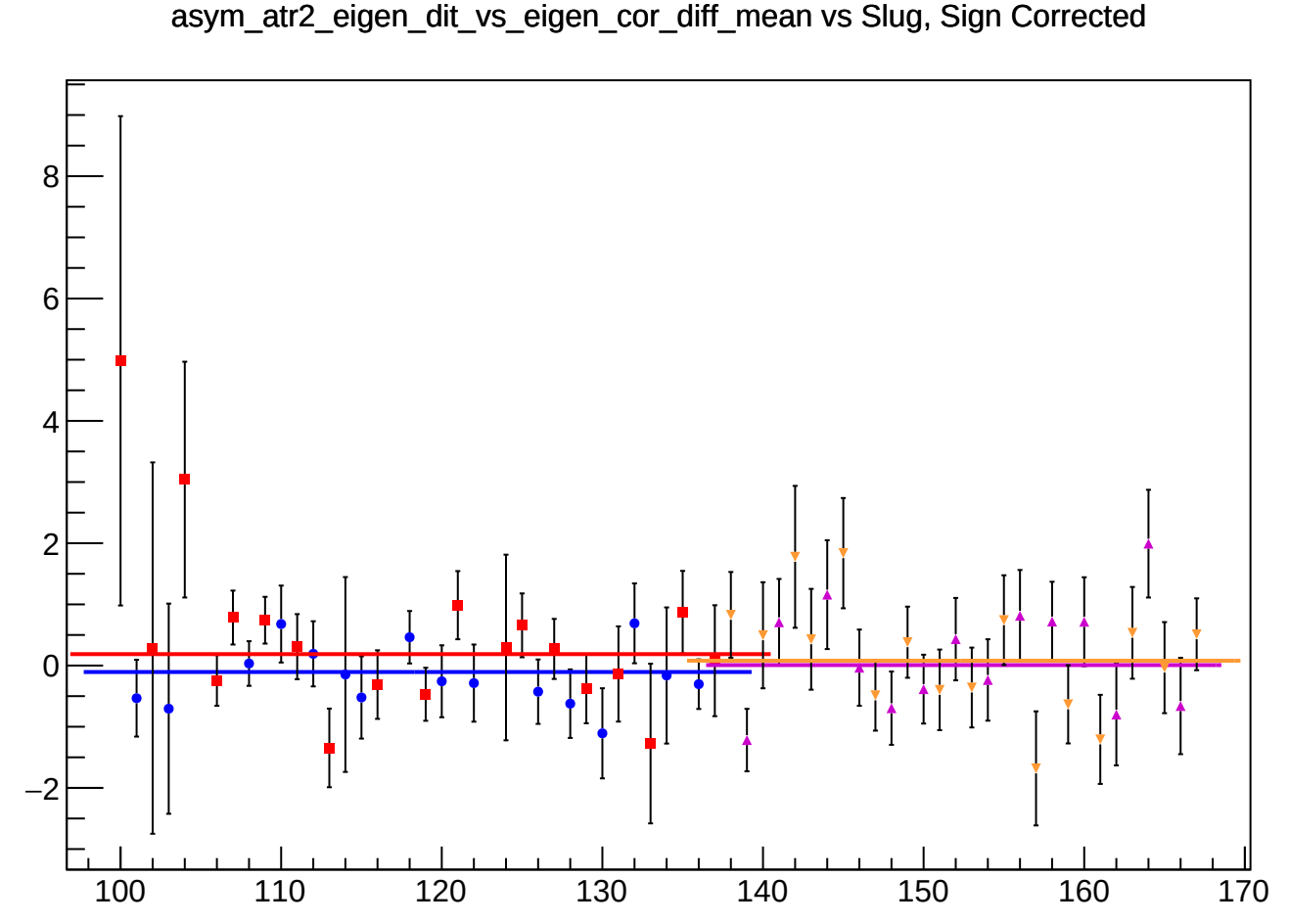
Left: 611.866+/-0.090 χ^2/NDF: 1034951.0/29

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 455.186+/-0.080 χ^2/NDF:3984467.3/29

Out: 438.486+/-0.077 χ^2/NDF:6144092.4/34

All: 446.529+/-0.055 χ^2/NDF: 10151181.4/64



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.008+/-0.181 χ^2/NDF:20.9/13

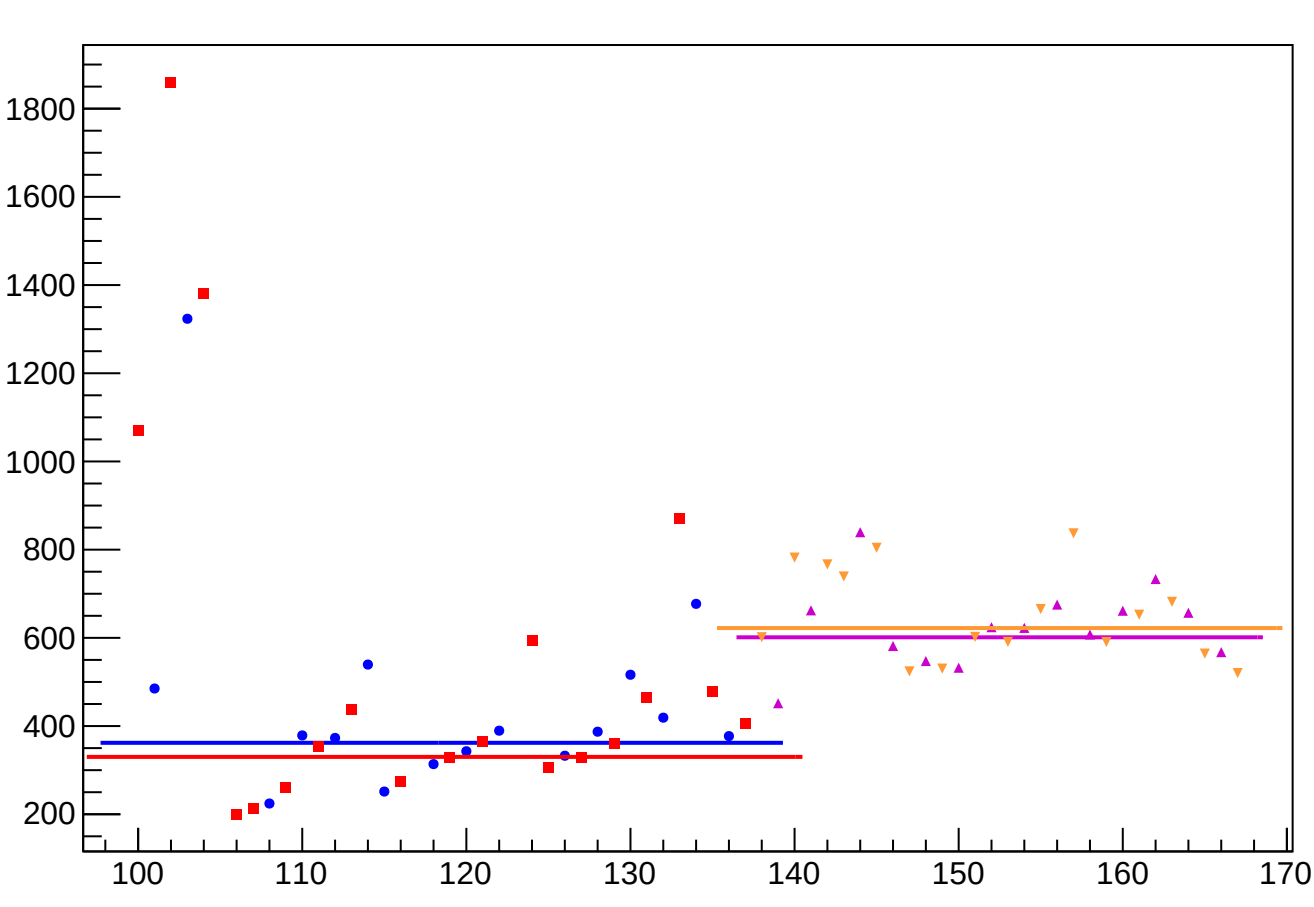
Left: 0.044+/-0.127 χ^2/NDF: 40.3/29

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.061+/-0.113 χ^2/NDF:30.8/29

Out: 0.147+/-0.109 χ^2/NDF:43.5/34

All: 0.047+/-0.078 χ^2/NDF: 76.0/64



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 622.217+/-0.126 χ^2/NDF:543231.8/15

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 601.250+/-0.128 χ^2/NDF:478157.6/13

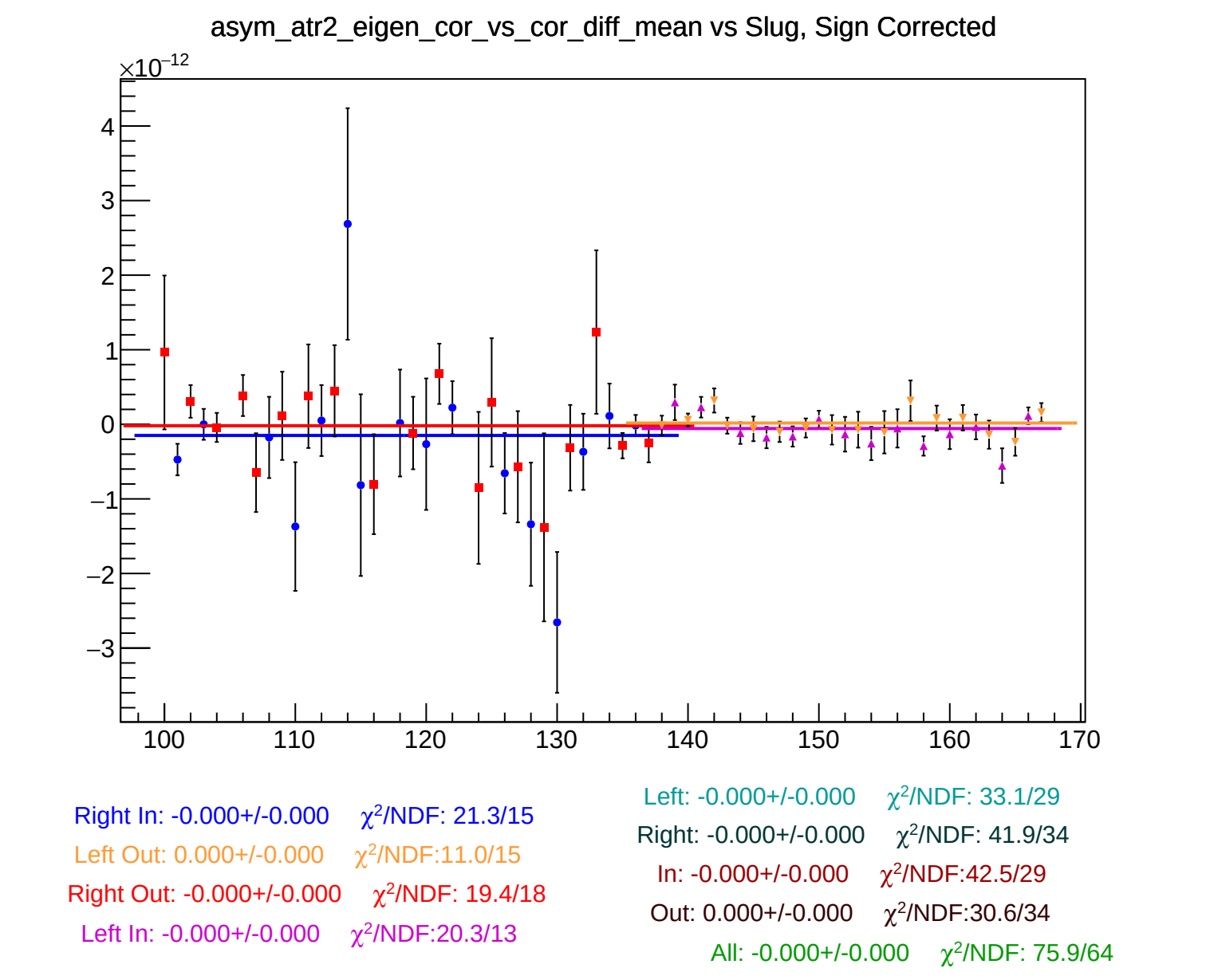
Left: 611.866+/-0.090 χ^2/NDF: 1034951.0/29

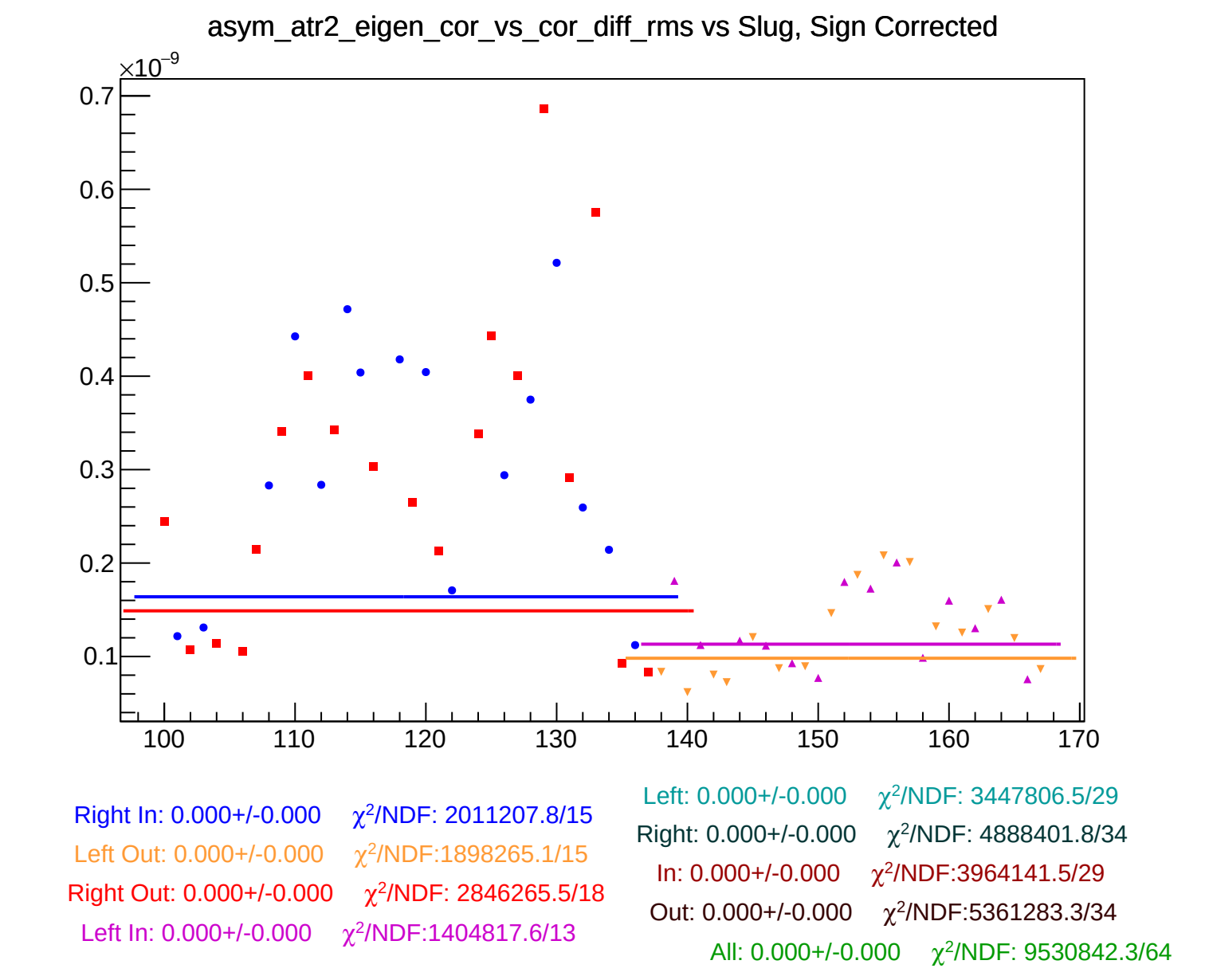
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

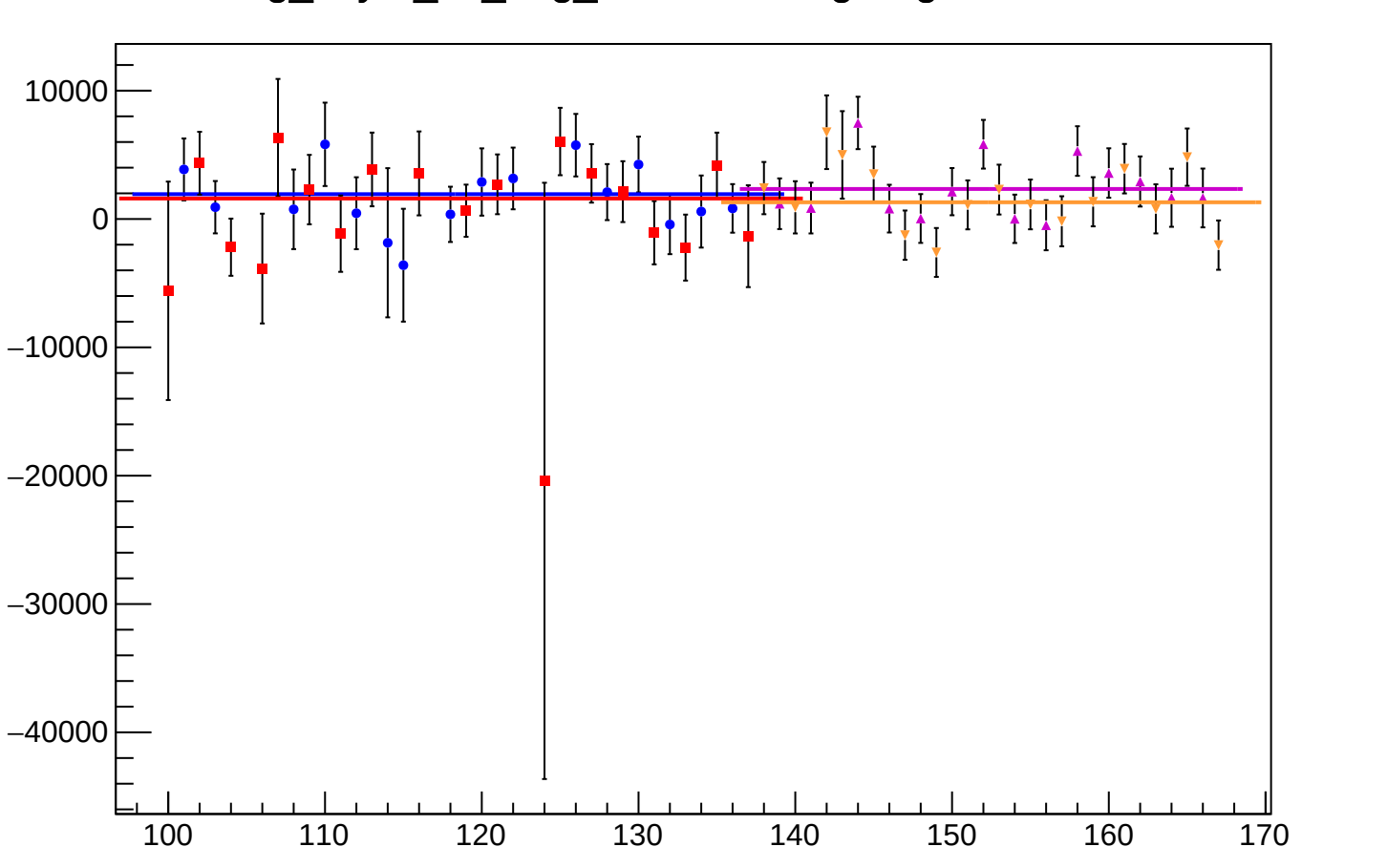
In: 455.186+/-0.080 χ^2/NDF:3984467.3/29

Out: 438.486+/-0.077 χ^2/NDF:6144092.4/34

All: 446.529+/-0.055 χ^2/NDF: 10151181.4/64


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:11.0/15
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:20.3/13
Left: -0.000+/-0.000 χ²/NDF: 33.1/29
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:42.5/29
Out: 0.000+/-0.000 χ²/NDF:30.6/34
All: -0.000+/-0.000 χ²/NDF: 75.9/64


asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2011207.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1898265.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 2846265.5/18
Left In: 0.000+/-0.000 χ²/NDF:1404817.6/13
Left: 0.000+/-0.000 χ²/NDF: 3447806.5/29
Right: 0.000+/-0.000 χ²/NDF: 4888401.8/34
In: 0.000+/-0.000 χ²/NDF:3964141.5/29
Out: 0.000+/-0.000 χ²/NDF:5361283.3/34
All: 0.000+/-0.000 χ²/NDF: 9530842.3/64



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1304.158+/-512.371 χ^2/NDF:20.4/15

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2340.984+/-525.533 χ^2/NDF:19.4/13

Left: 1809.424+/-366.866 χ^2/NDF: 41.9/29

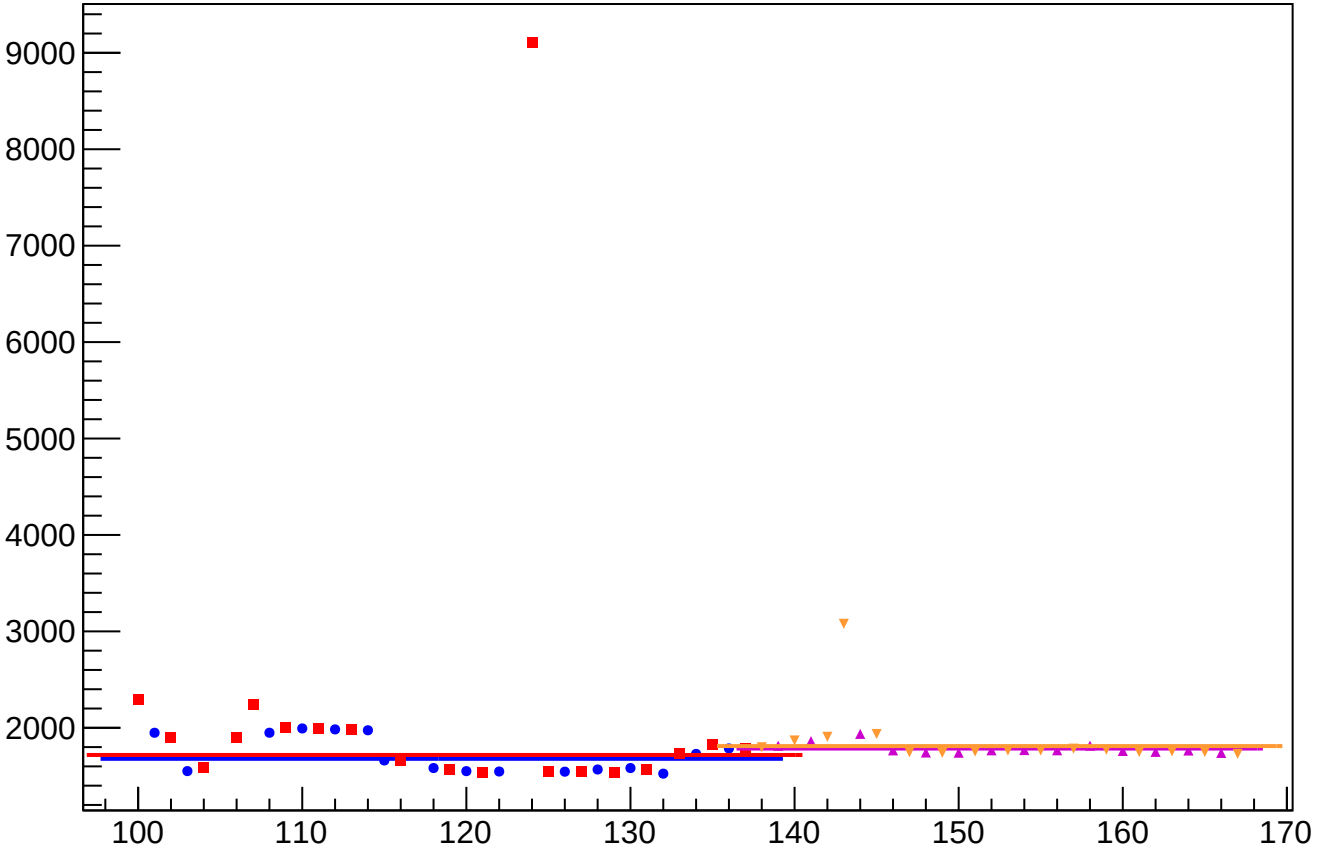
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2173.632+/-402.997 χ^2/NDF:30.6/29

Out: 1418.432+/-400.518 χ^2/NDF:39.9/34

All: 1793.702+/-284.082 χ^2/NDF: 72.3/64

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1810.403+/-0.362 χ^2/NDF:306375.9/15

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1784.953+/-0.372 χ^2/NDF:19647.6/13

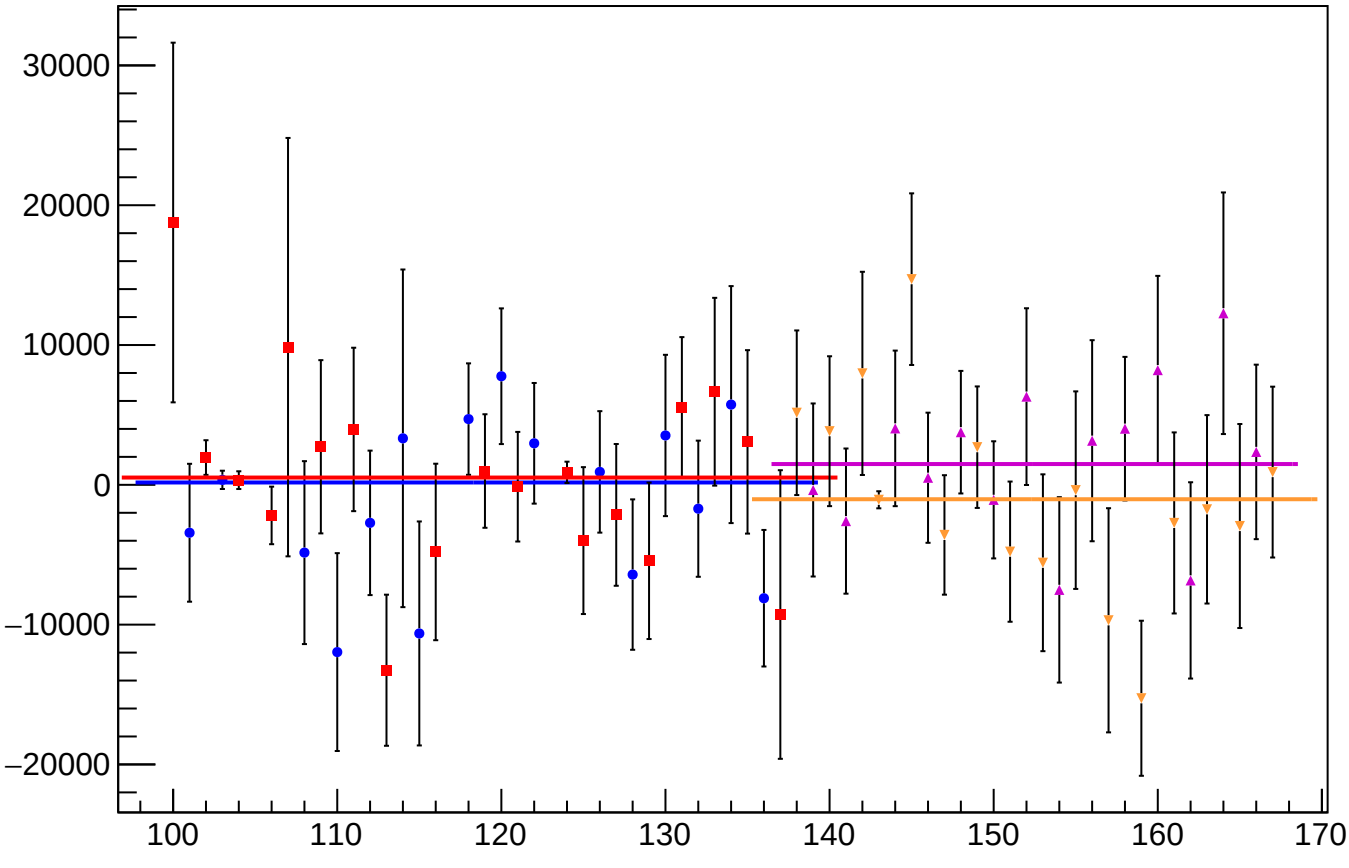
Left: 1798.001+/-0.259 χ^2/NDF: 328428.1/29

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1741.116+/-0.285 χ^2/NDF:194909.8/29

Out: 1774.377+/-0.283 χ^2/NDF:714830.4/34

All: 1757.880+/-0.201 χ^2/NDF: 916606.7/64



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1030.217+/-565.670 χ^2/NDF:20.2/15

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1486.848+/-1512.552 χ^2/NDF:8.3/13

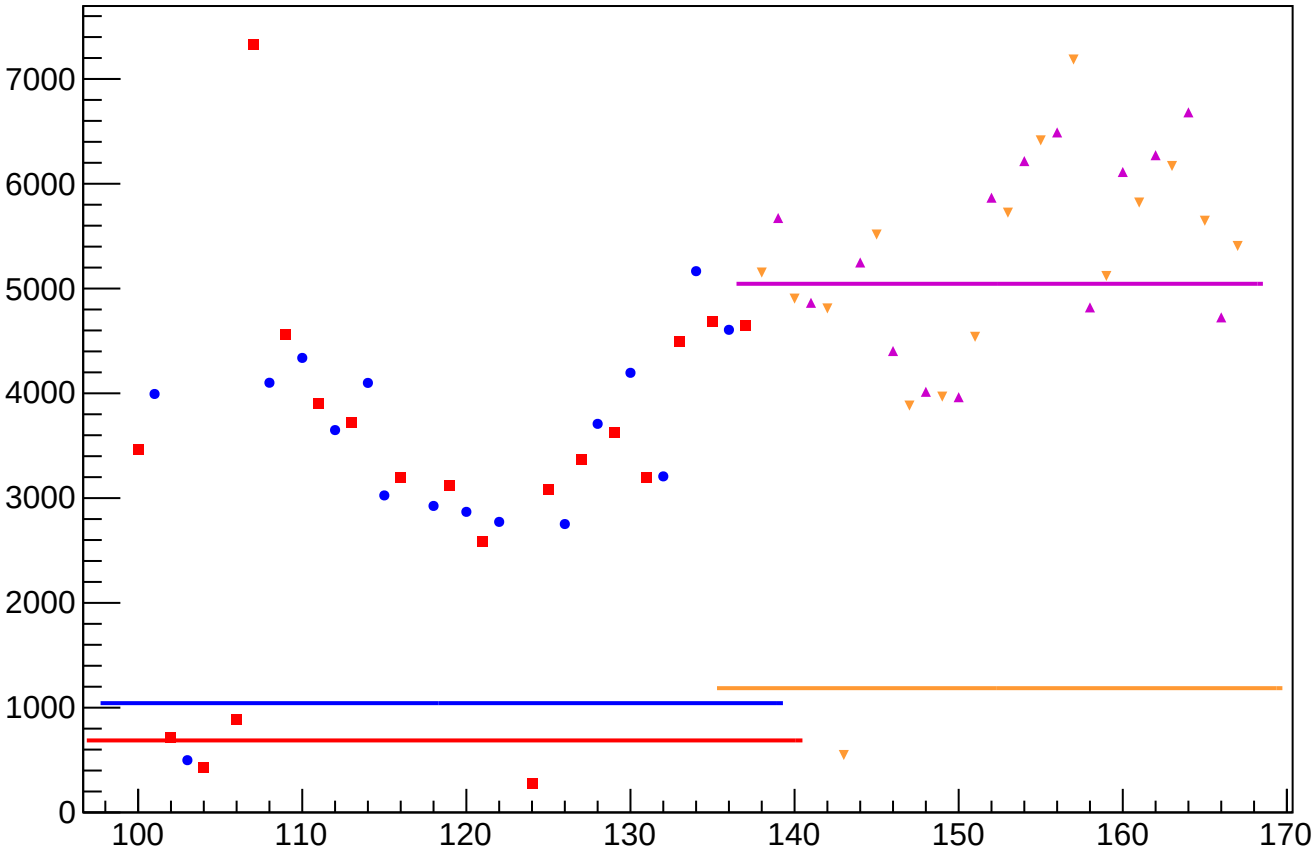
Left: -721.367+/-529.830 χ^2/NDF: 31.0/29

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 343.237+/-550.962 χ^2/NDF:24.8/29

Out: -38.280+/-339.673 χ^2/NDF:43.6/34

All: 66.792+/-289.140 χ^2/NDF: 68.7/64



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1186.114+/-0.400 χ^2/NDF:16128053.3/15

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5045.312+/-1.070 χ^2/NDF:676706.2/13

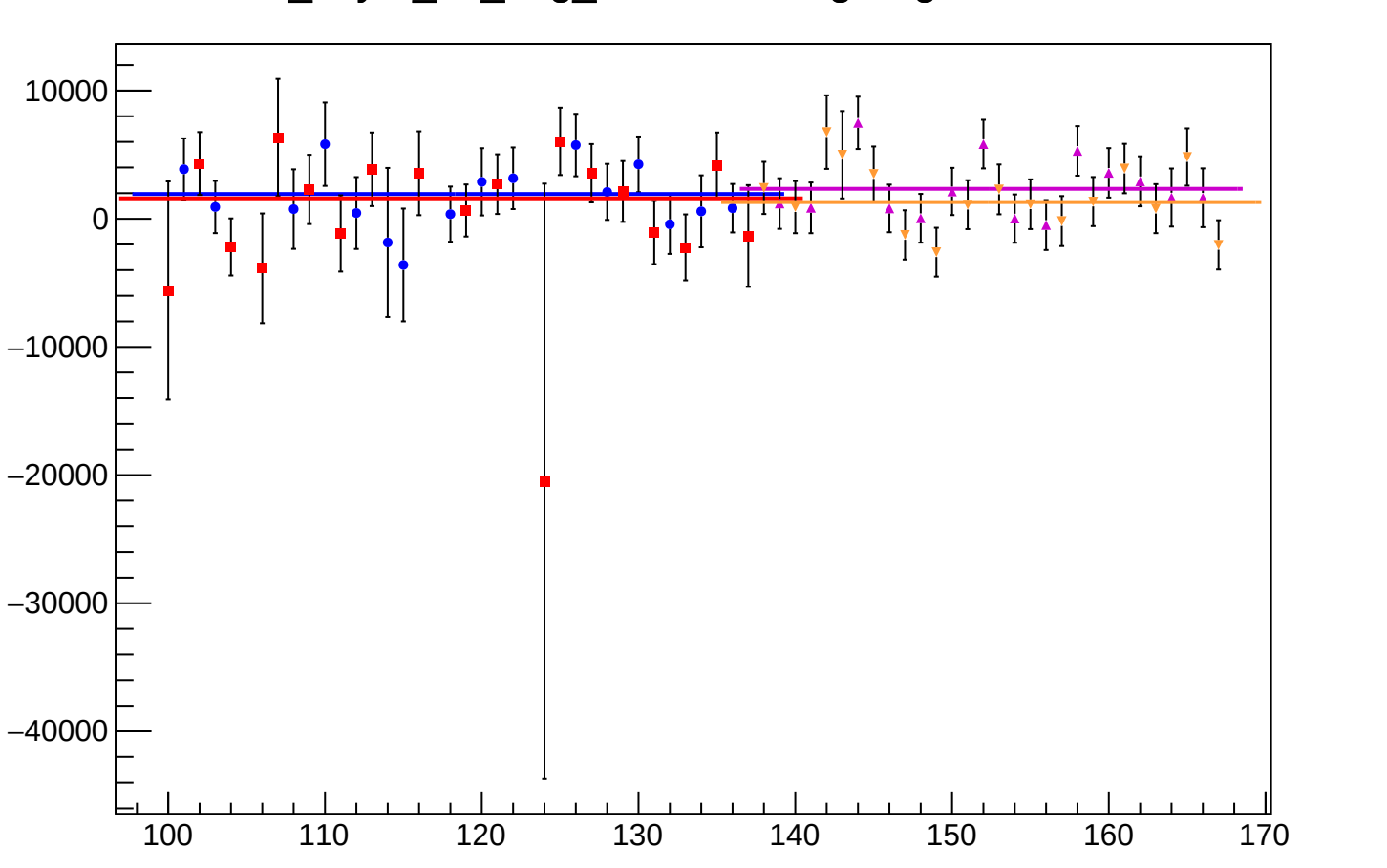
Left: 1659.646+/-0.375 χ^2/NDF: 28226988.4/29

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1574.149+/-0.390 χ^2/NDF:20933195.5/29

Out: 867.179+/-0.240 χ^2/NDF:25753887.7/34

All: 1061.883+/-0.204 χ^2/NDF: 49073155.3/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1304.159+/-512.371 χ^2/NDF:20.4/15

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2341.122+/-525.533 χ^2/NDF:19.4/13

Left: 1809.492+/-366.866 χ^2/NDF: 41.9/29

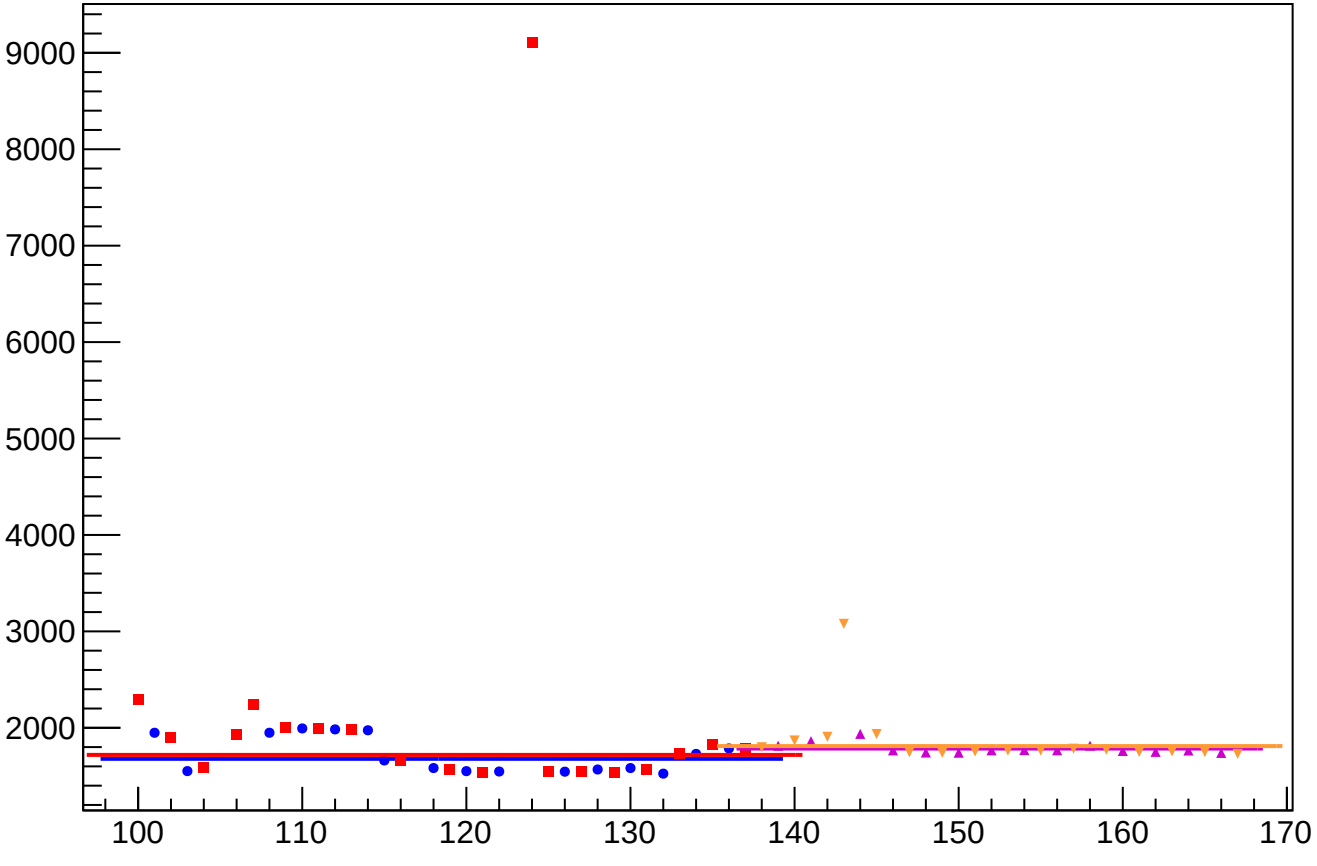
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2173.761+/-402.997 χ^2/NDF:30.6/29

Out: 1417.483+/-400.519 χ^2/NDF:39.9/34

All: 1793.290+/-284.082 χ^2/NDF: 72.3/64

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1810.403+/-0.362 χ^2/NDF:306375.9/15

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1784.953+/-0.372 χ^2/NDF:19647.6/13

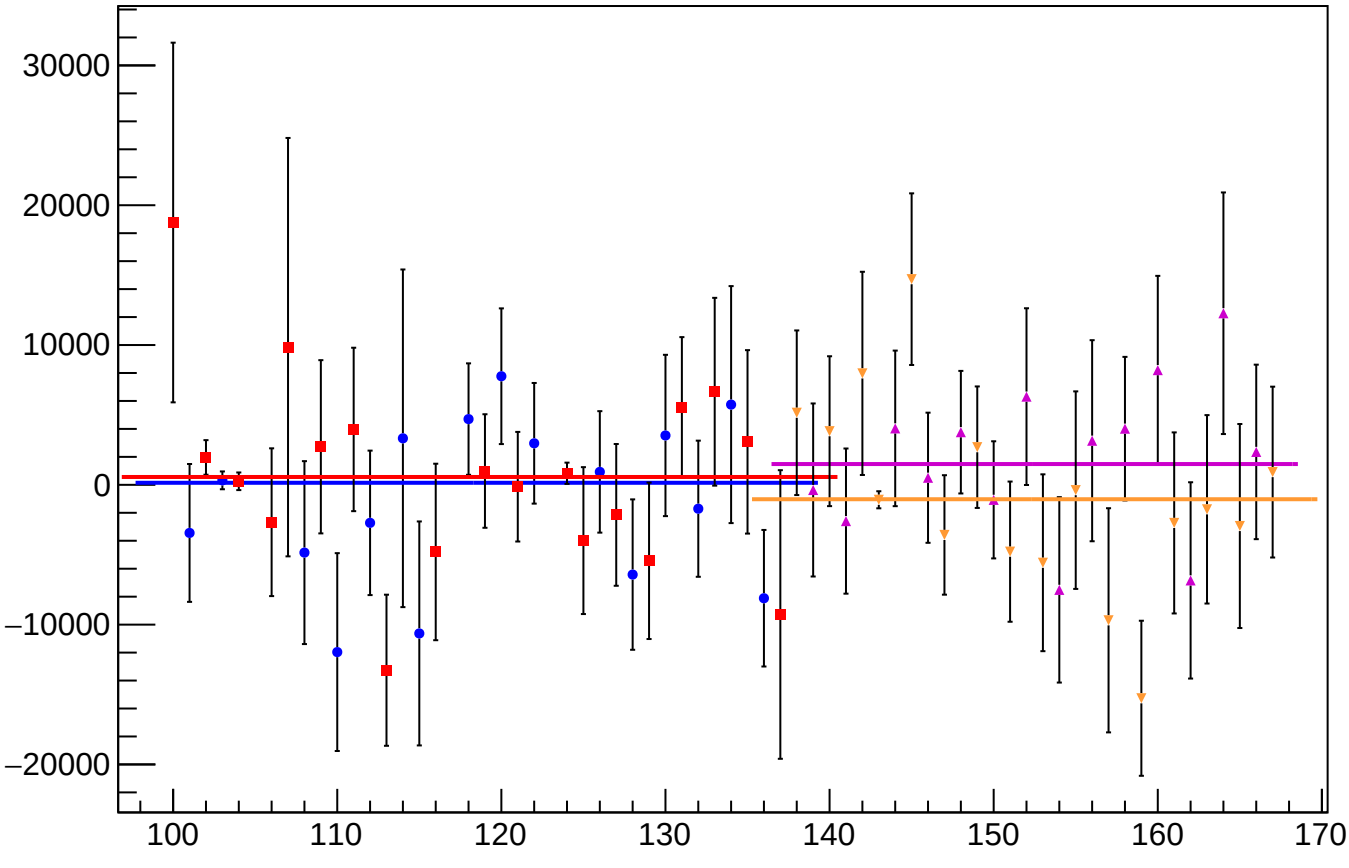
Left: 1798.001+/-0.259 χ^2/NDF: 328428.1/29

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1741.116+/-0.285 χ^2/NDF:194910.0/29

Out: 1774.724+/-0.283 χ^2/NDF:716102.7/34

All: 1758.052+/-0.201 χ^2/NDF: 918022.1/64



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1029.867+/-565.649 χ^2/NDF:20.2/15

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1486.994+/-1512.550 χ^2/NDF:8.3/13

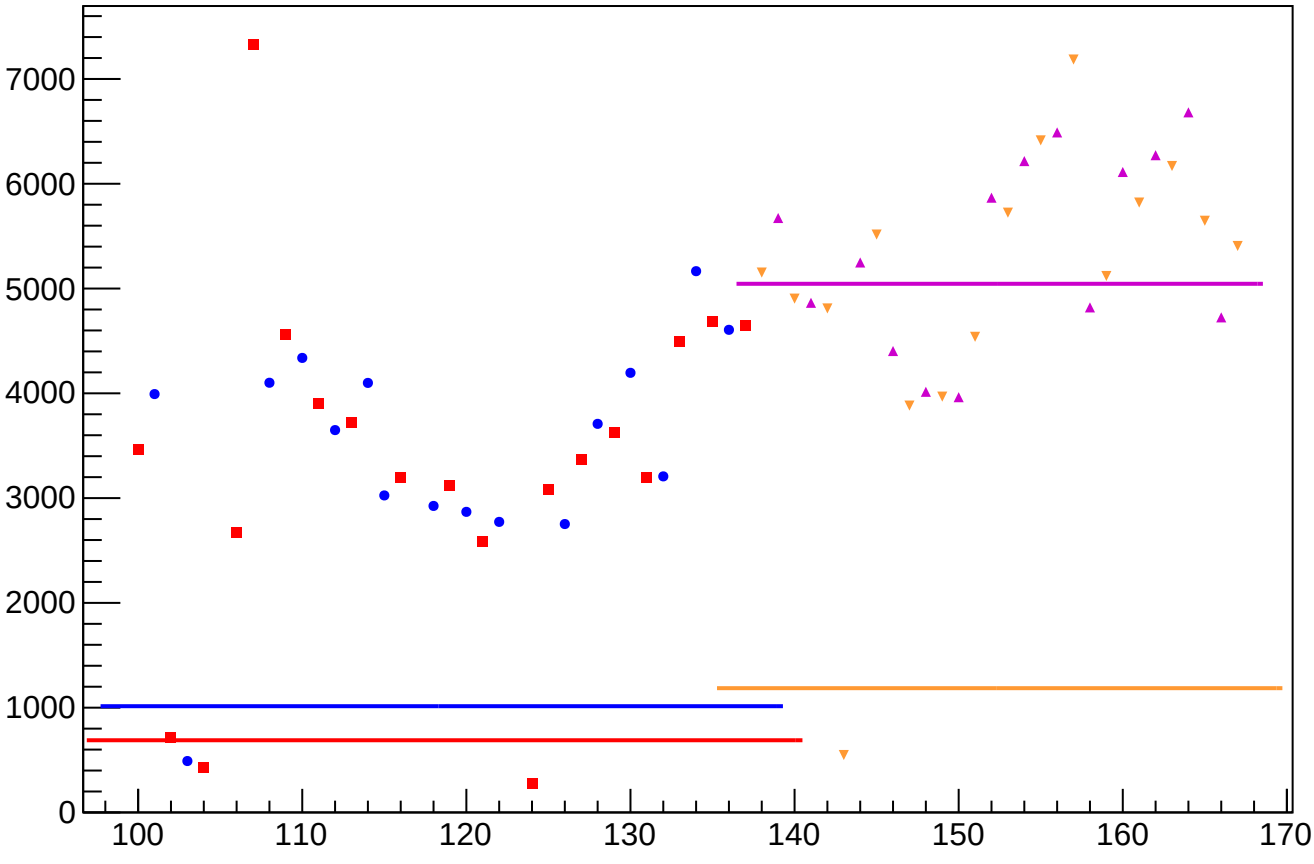
Left: -721.062+/-529.813 χ^2/NDF: 31.0/29

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 318.049+/-541.026 χ^2/NDF:24.8/29

Out: -22.419+/-342.632 χ^2/NDF:42.4/34

All: 75.043+/-289.466 χ^2/NDF: 67.5/64



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1186.050+/-0.400 χ^2/NDF:16128389.8/15

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5045.306+/-1.070 χ^2/NDF:676723.7/13

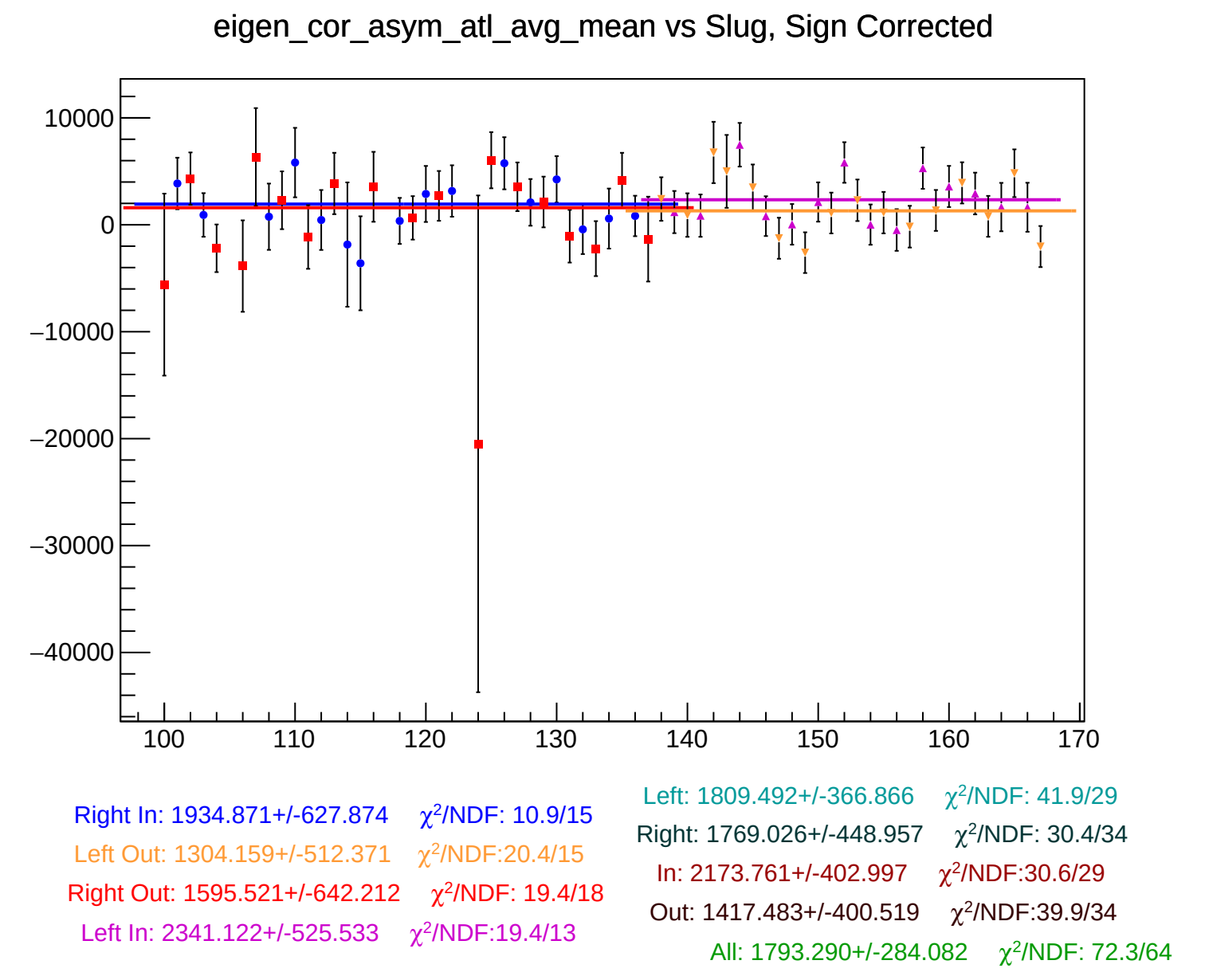
Left: 1659.560+/-0.375 χ^2/NDF: 28227804.8/29

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

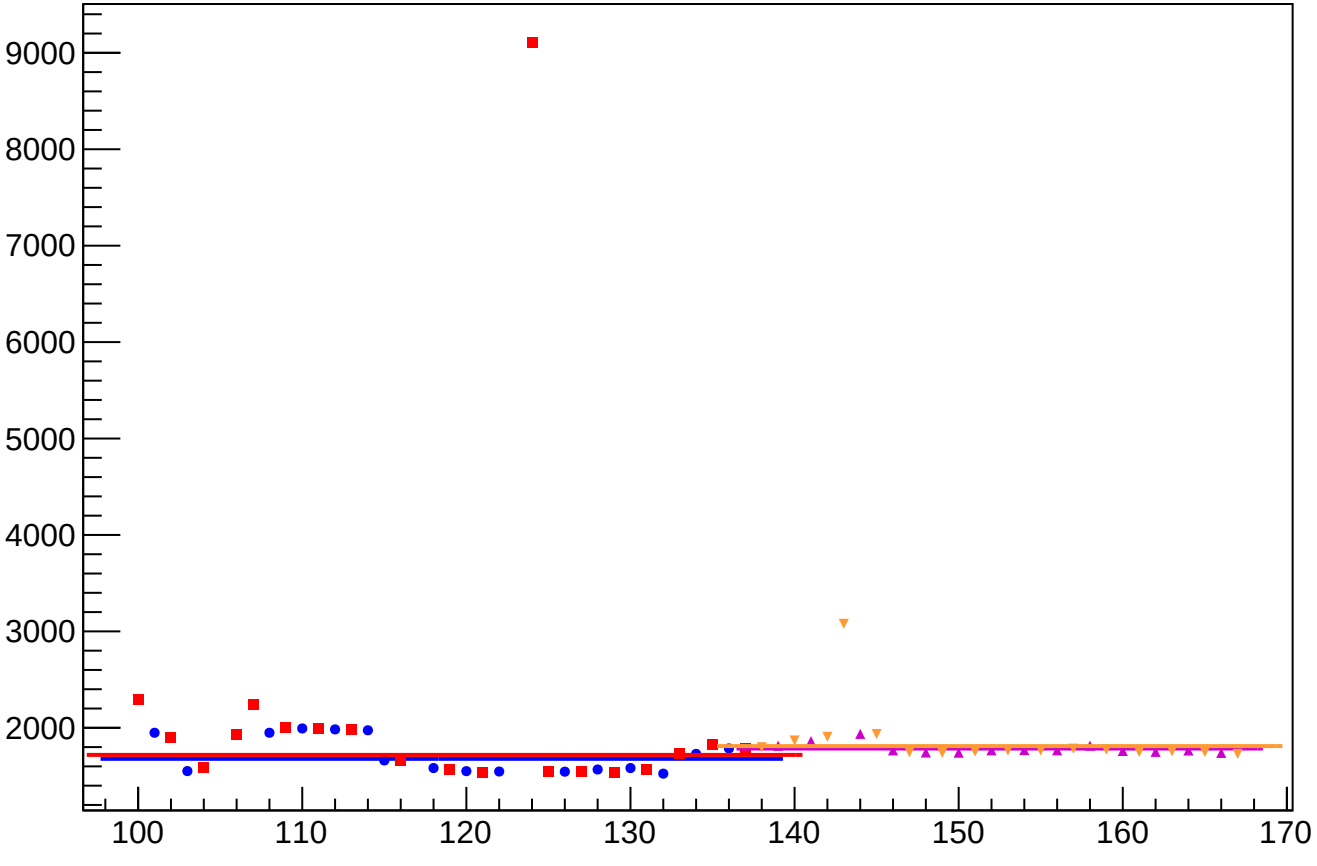
In: 1529.860+/-0.383 χ^2/NDF:21288463.6/29

Out: 871.408+/-0.242 χ^2/NDF:26016226.7/34

All: 1059.896+/-0.205 χ^2/NDF: 49419067.8/6


eigen_cor_asym_atl_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 1934.871+/-627.874 χ²/NDF: 10.9/15
Left Out: 1304.159+/-512.371 χ²/NDF:20.4/15
Right Out: 1595.521+/-642.212 χ²/NDF: 19.4/18
Left In: 2341.122+/-525.533 χ²/NDF:19.4/13
Left: 1809.492+/-366.866 χ²/NDF: 41.9/29
Right: 1769.026+/-448.957 χ²/NDF: 30.4/34
In: 2173.761+/-402.997 χ²/NDF:30.6/29
Out: 1417.483+/-400.519 χ²/NDF:39.9/34
All: 1793.290+/-284.082 χ²/NDF: 72.3/64

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1810.403+/-0.362 χ^2/NDF:306375.9/15

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1784.953+/-0.372 χ^2/NDF:19647.6/13

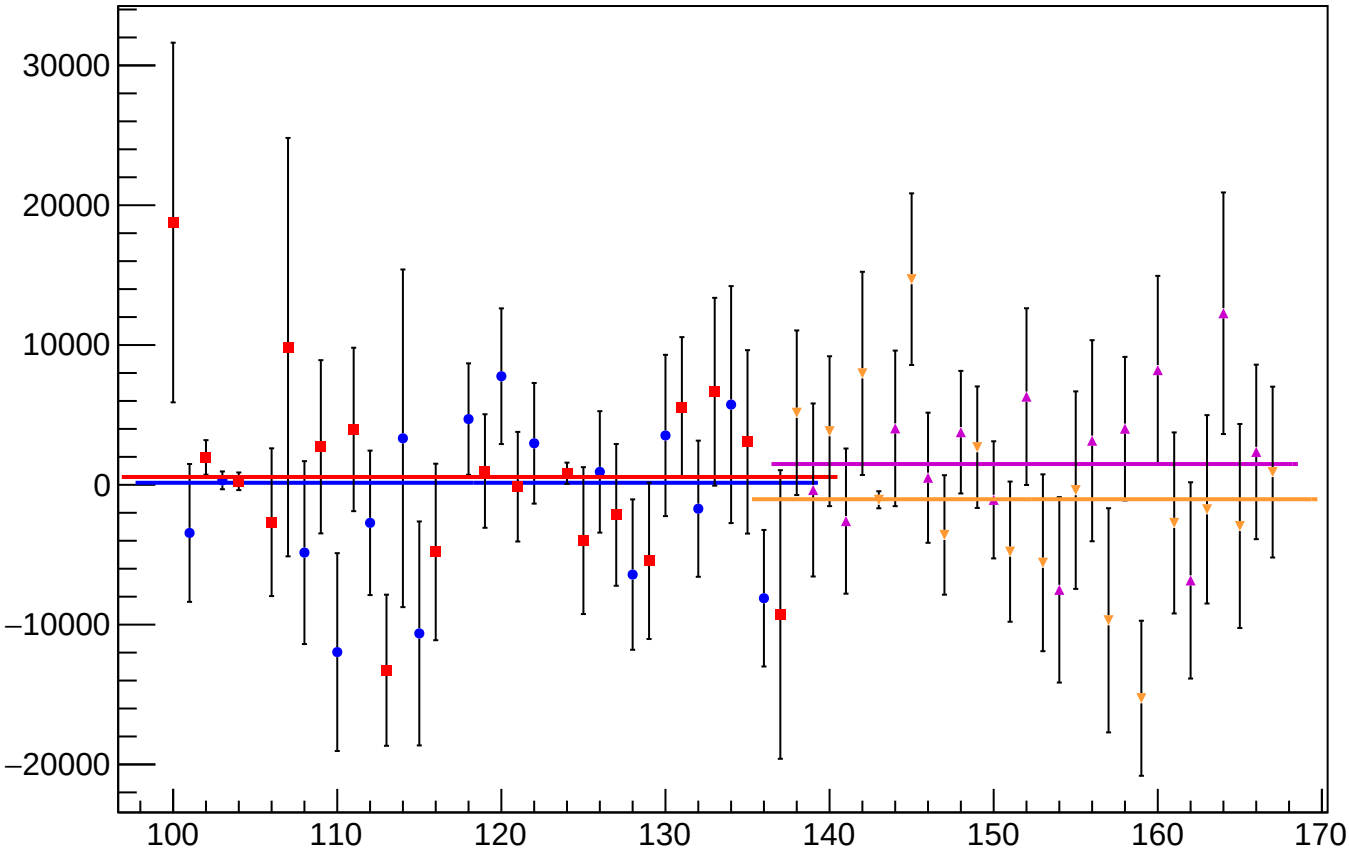
Left: 1798.001+/-0.259 χ^2/NDF: 328428.1/29

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1741.116+/-0.285 χ^2/NDF:194910.0/29

Out: 1774.724+/-0.283 χ^2/NDF:716102.7/34

All: 1758.052+/-0.201 χ^2/NDF: 918022.1/64



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1029.867+/-565.649 χ^2/NDF:20.2/15

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1486.994+/-1512.550 χ^2/NDF:8.3/13

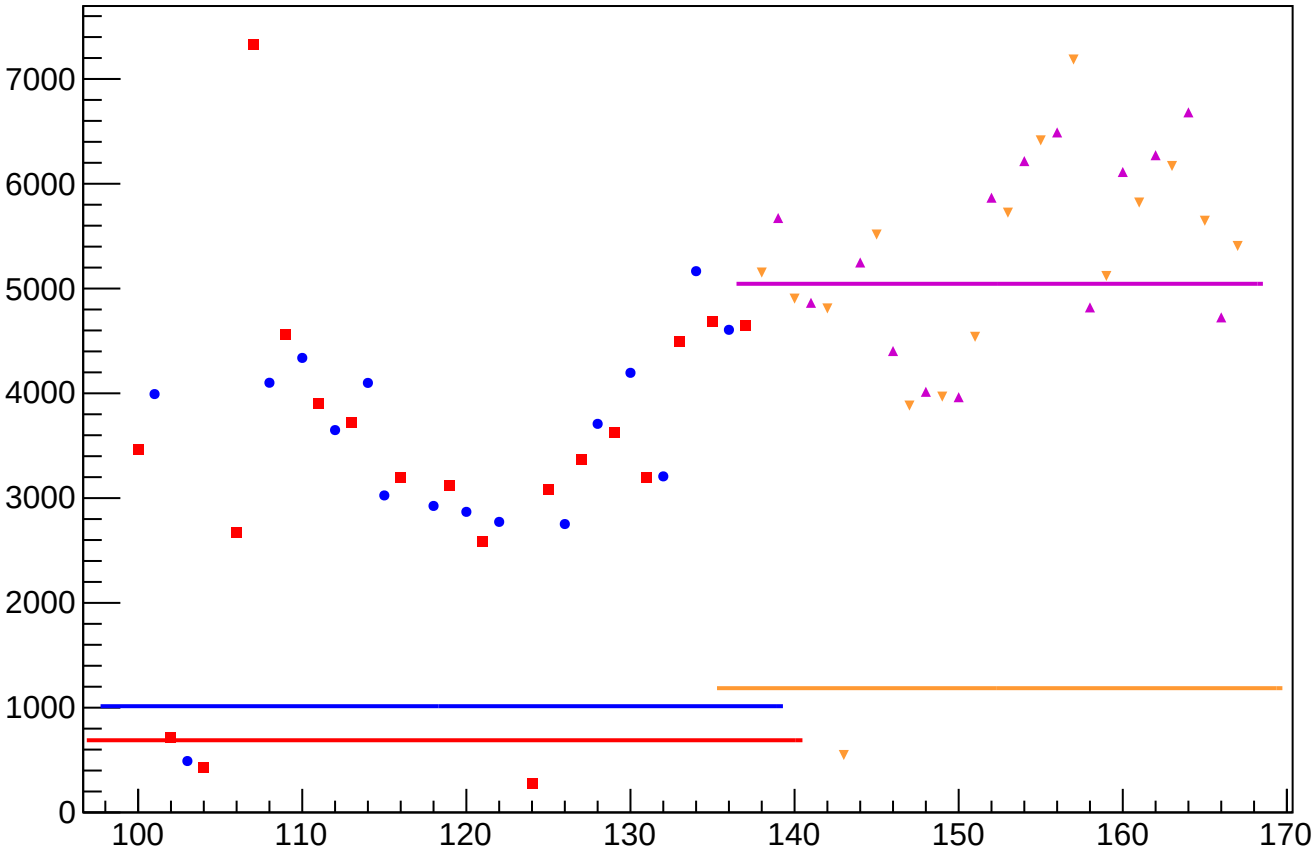
Left: -721.062+/-529.813 χ^2/NDF: 31.0/29

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 318.049+/-541.026 χ^2/NDF:24.8/29

Out: -22.419+/-342.632 χ^2/NDF:42.4/34

All: 75.043+/-289.466 χ^2/NDF: 67.5/64



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1186.050+/-0.400 χ^2/NDF:16128389.8/15

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5045.306+/-1.070 χ^2/NDF:676723.7/13

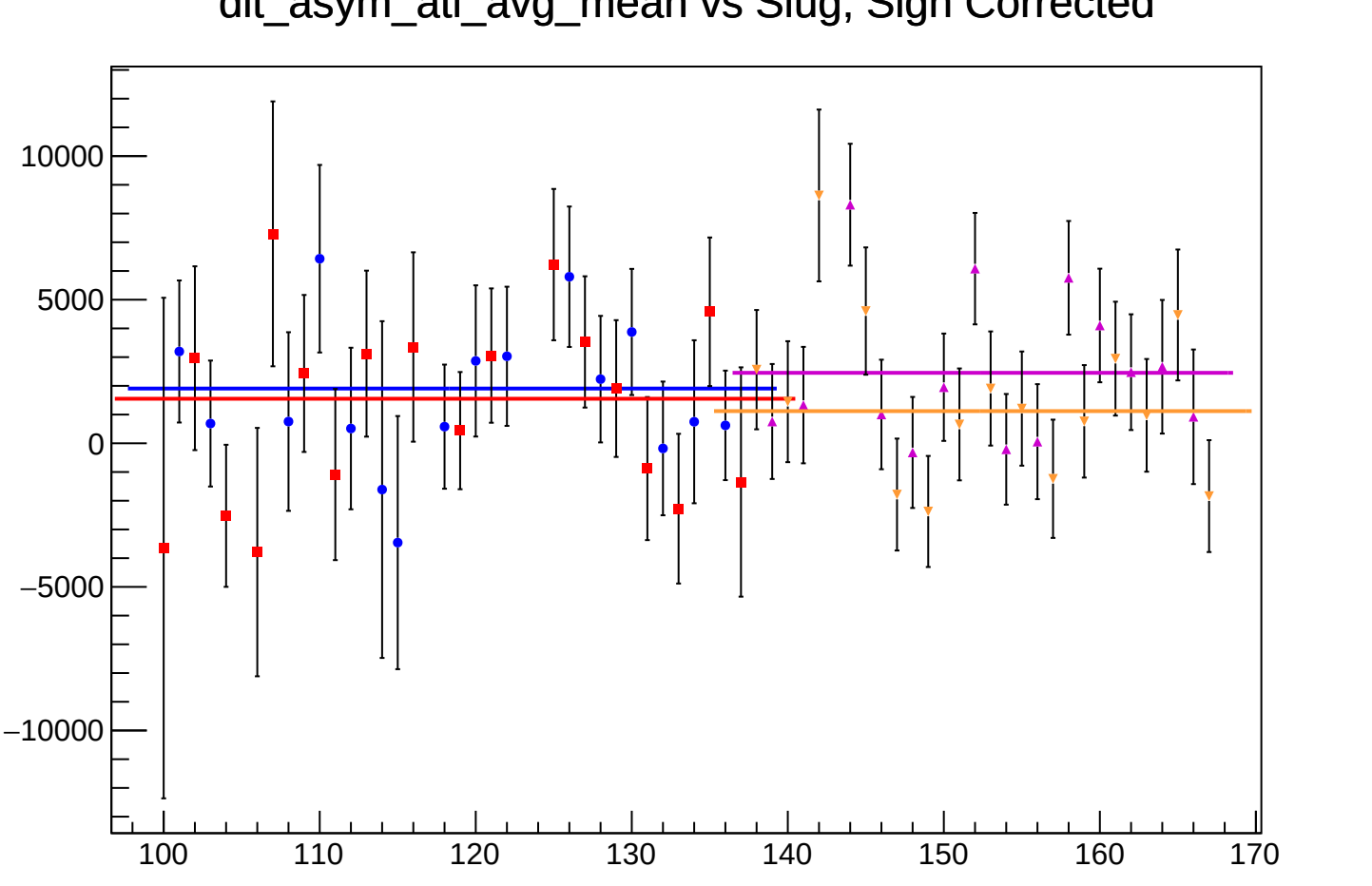
Left: 1659.560+/-0.375 χ^2/NDF: 28227804.8/29

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1529.860+/-0.383 χ^2/NDF:21288463.6/29

Out: 871.408+/-0.242 χ^2/NDF:26016226.7/34

All: 1059.896+/-0.205 χ^2/NDF: 49419067.8/6



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1120.683+/-531.478 χ^2/NDF:21.6/14

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2453.486+/-538.196 χ^2/NDF:22.1/13

Left: 1778.715+/-378.165 χ^2/NDF: 46.9/28

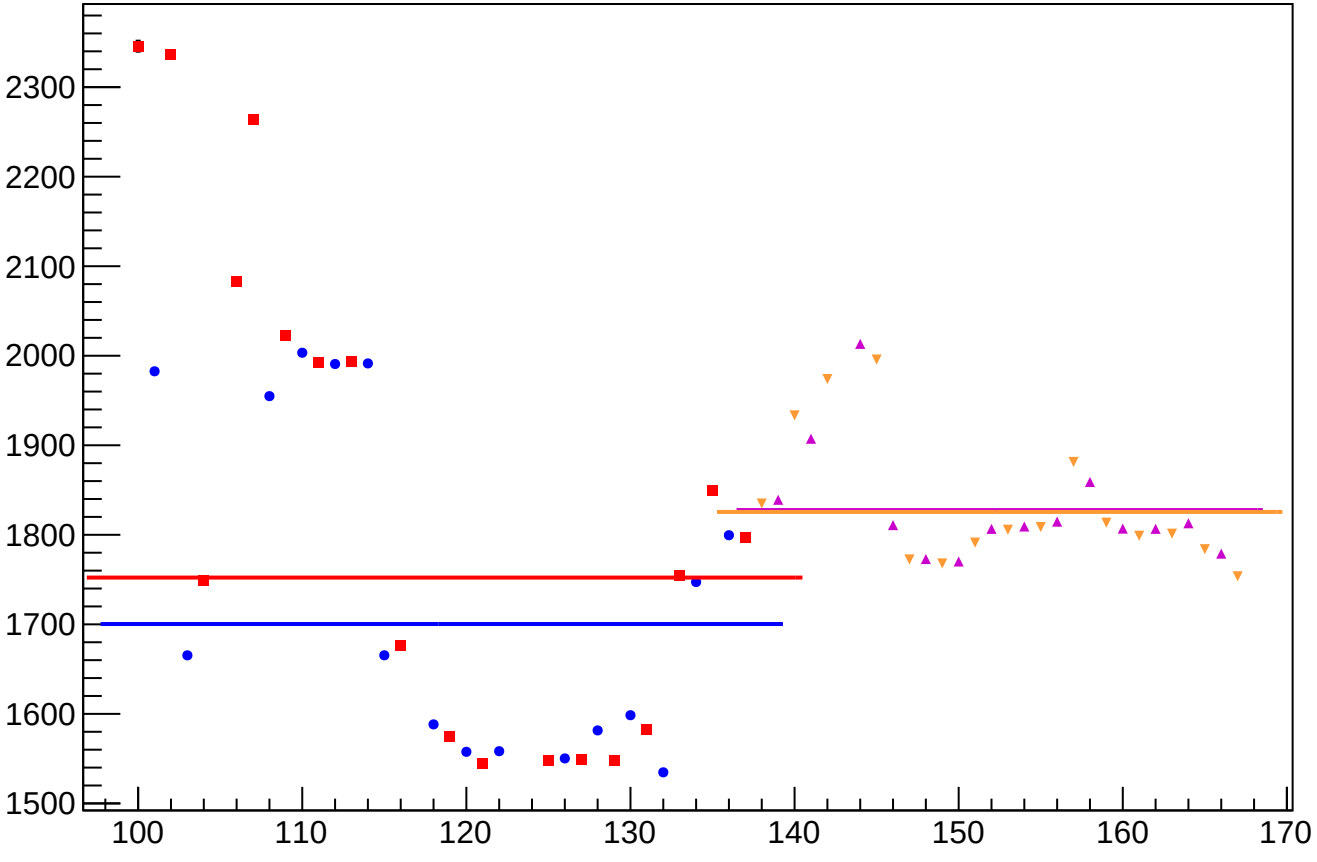
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2225.298+/-410.955 χ^2/NDF:32.8/29

Out: 1289.625+/-414.208 χ^2/NDF:39.4/32

All: 1761.151+/-291.732 χ^2/NDF: 74.7/62

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1825.553+/-0.376 χ^2/NDF:31838.3/14

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1827.656+/-0.381 χ^2/NDF:24484.3/13

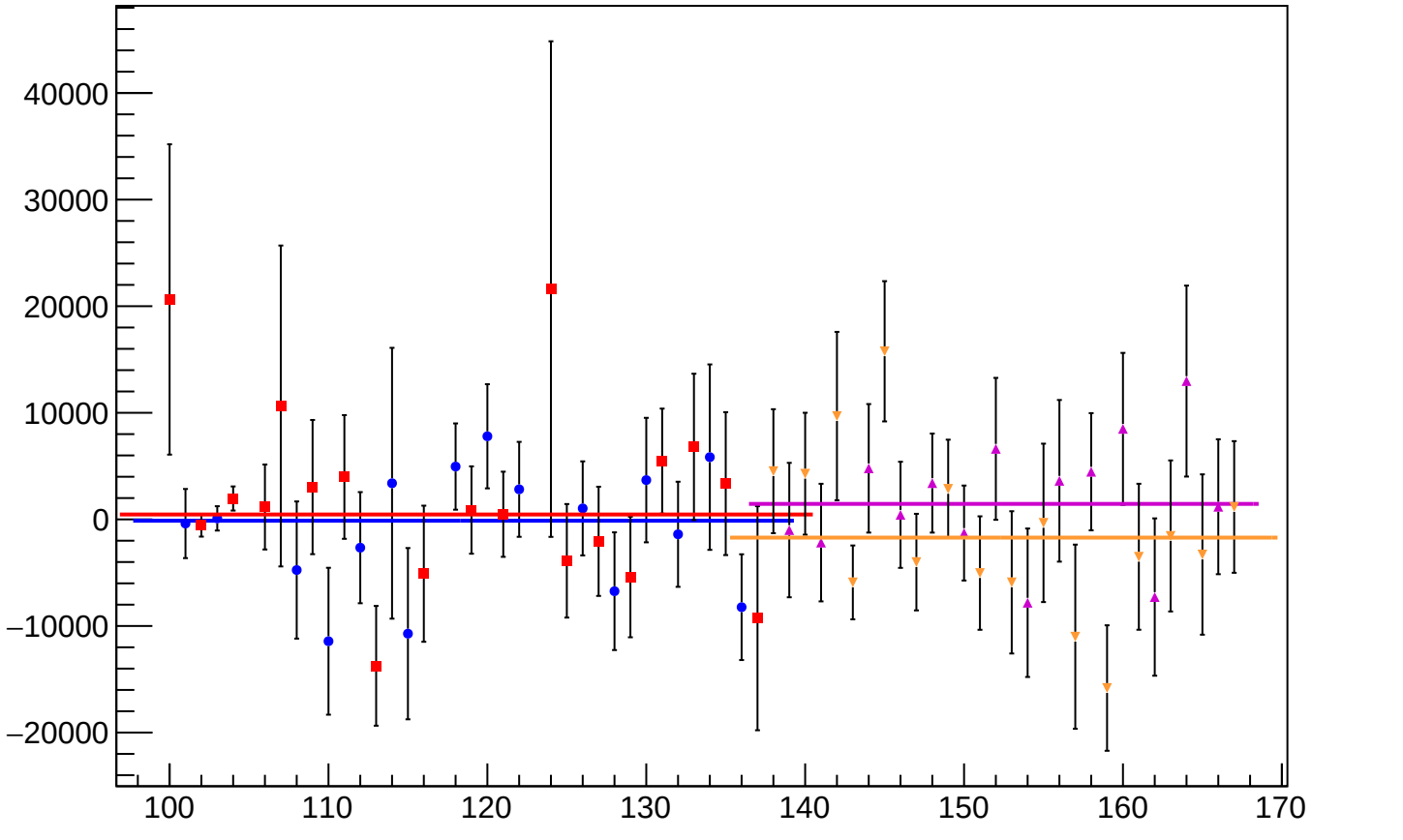
Left: 1826.591+/-0.267 χ^2/NDF: 56338.0/28

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1774.579+/-0.291 χ^2/NDF:206556.6/29

Out: 1796.689+/-0.293 χ^2/NDF:294774.0/32

All: 1785.557+/-0.206 χ^2/NDF: 504205.0/62



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1709.271+/-1441.050 χ^2/NDF:22.2/15

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1453.744+/-1597.550 χ^2/NDF:8.3/13

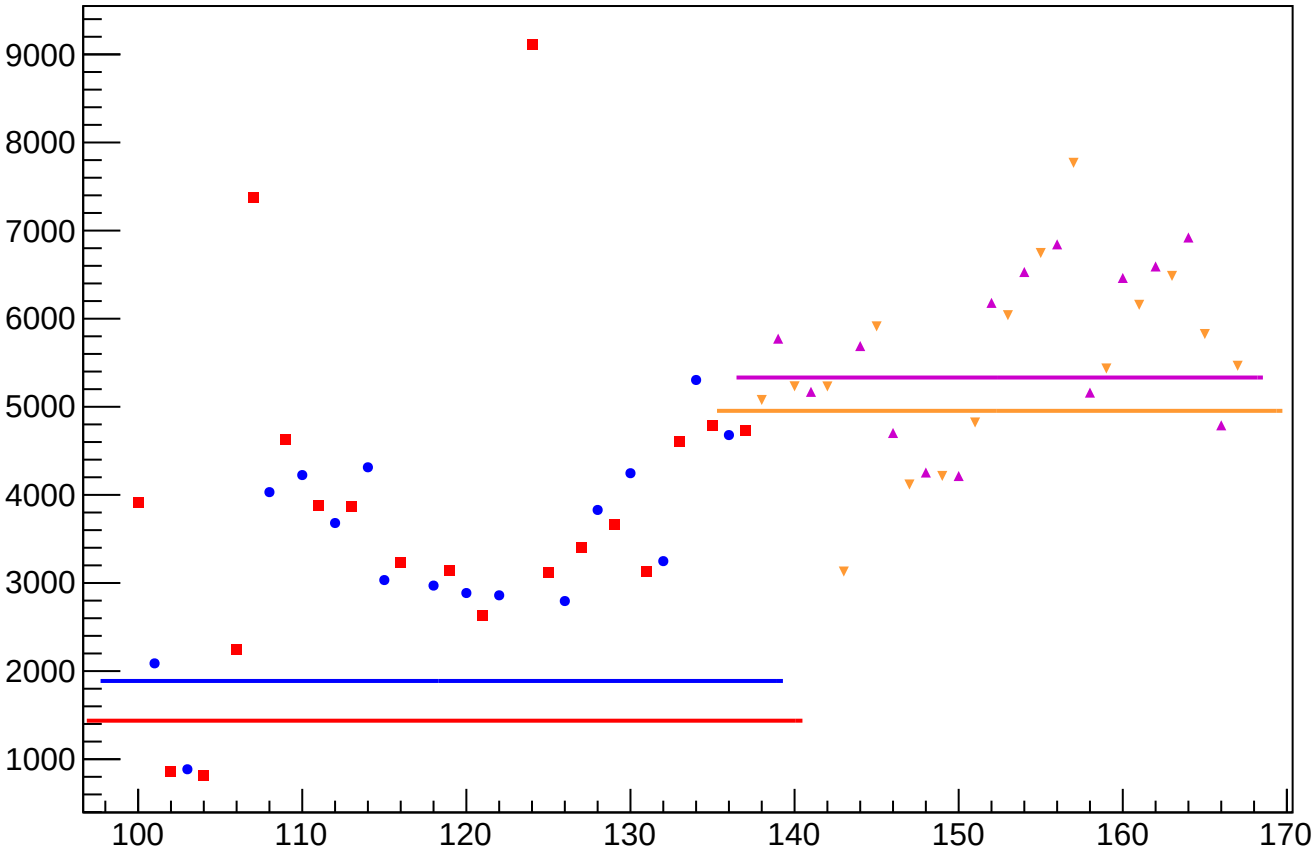
Left: -290.240+/-1070.039 χ^2/NDF: 32.6/29

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 234.246+/-762.452 χ^2/NDF:24.1/29

Out: 65.274+/-614.347 χ^2/NDF:42.5/34

All: 131.791+/-478.379 χ^2/NDF: 66.7/64



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4954.043+/-1.019 χ^2/NDF:1316489.5/15

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5332.199+/-1.130 χ^2/NDF:643654.2/13

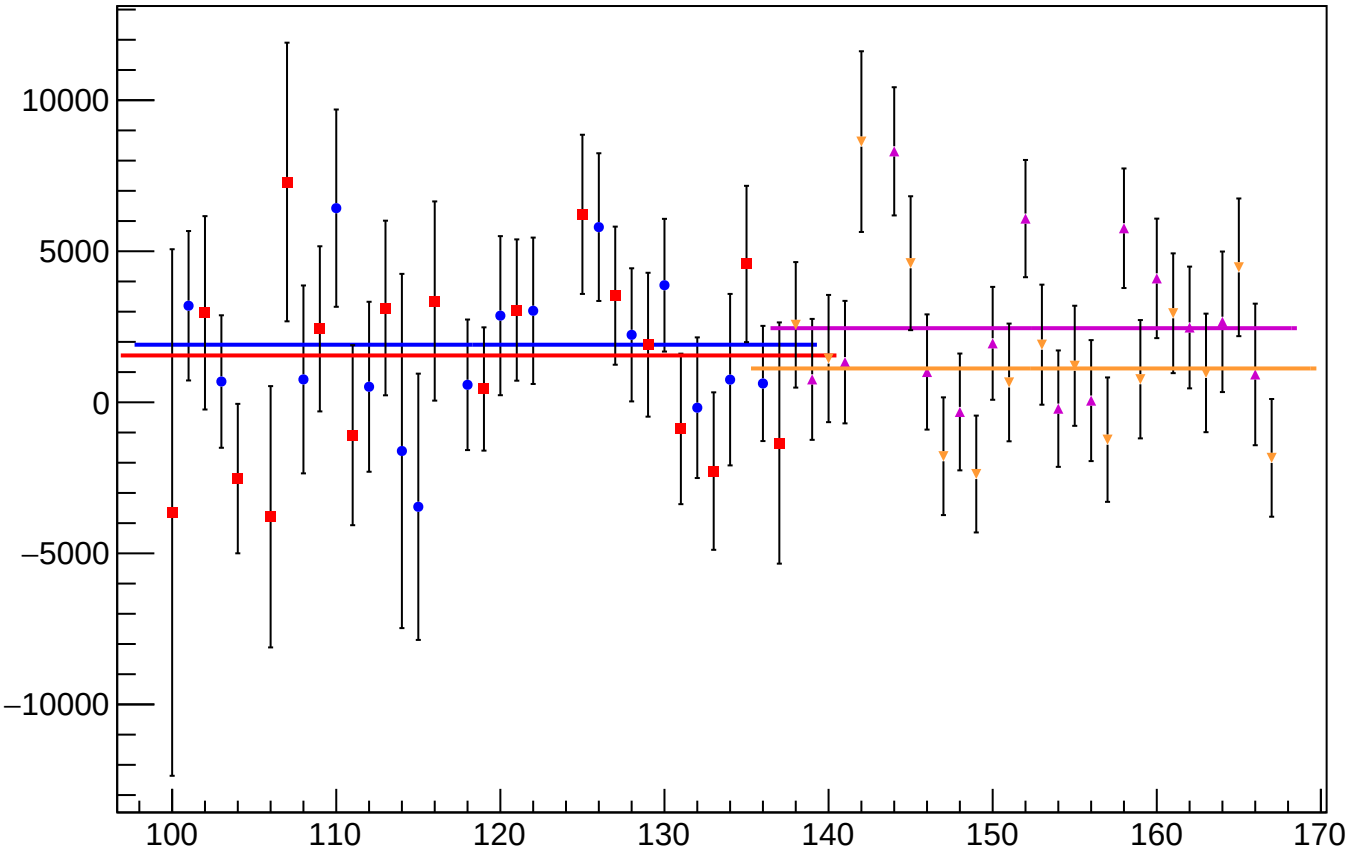
Left: 5123.696+/-0.757 χ^2/NDF: 2021931.5/29

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2672.520+/-0.539 χ^2/NDF:12247930.8/29

Out: 2076.303+/-0.434 χ^2/NDF:17028058.7/34

All: 2311.009+/-0.338 χ^2/NDF: 30017522.8/6



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1120.679+/-531.479 χ^2/NDF:21.6/14

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2453.488+/-538.196 χ^2/NDF:22.1/13

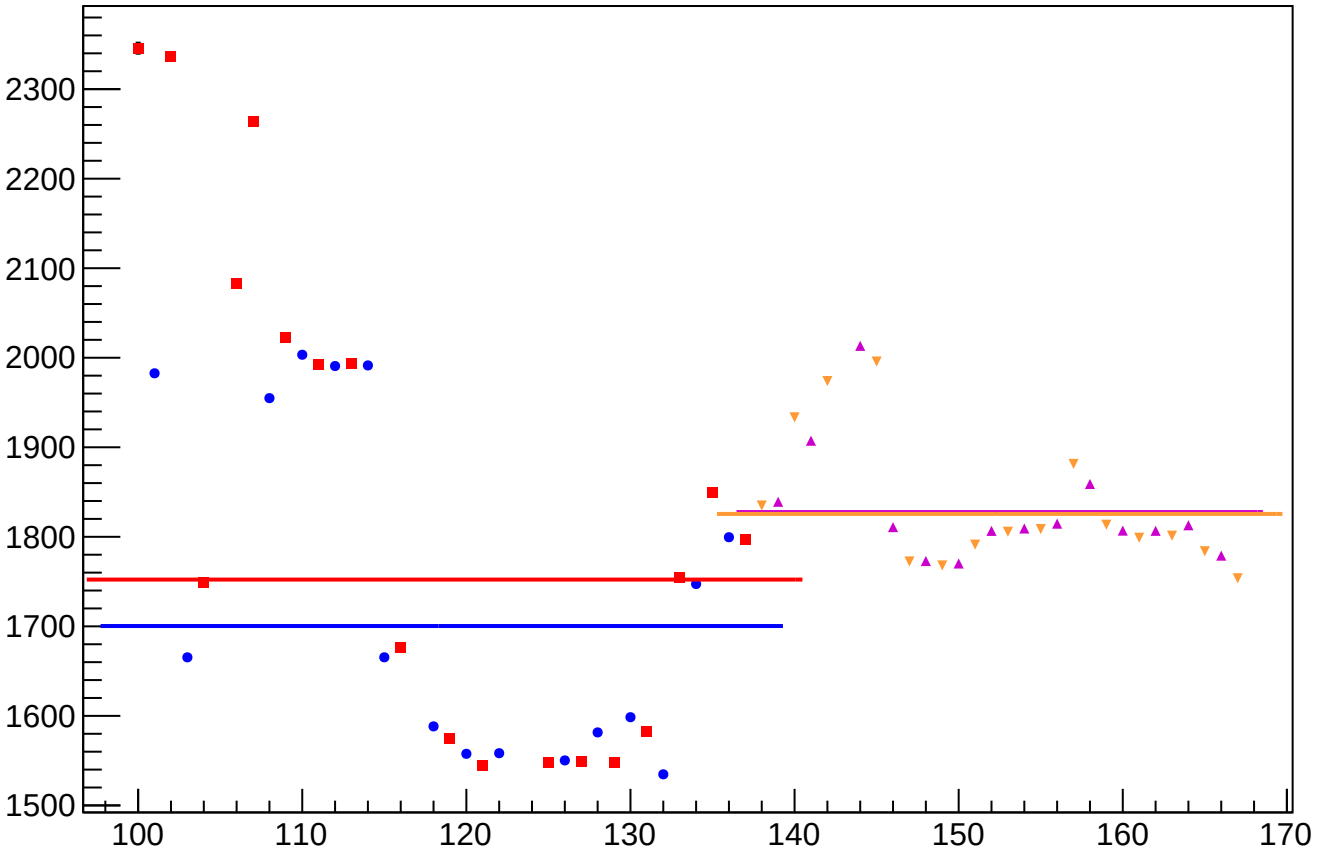
Left: 1778.713+/-378.165 χ^2/NDF: 46.9/28

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2225.298+/-410.955 χ^2/NDF:32.8/29

Out: 1289.621+/-414.208 χ^2/NDF:39.4/32

All: 1761.149+/-291.732 χ^2/NDF: 74.7/62



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1825.554+/-0.376 χ^2/NDF:31838.8/14

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1827.657+/-0.381 χ^2/NDF:24484.6/13

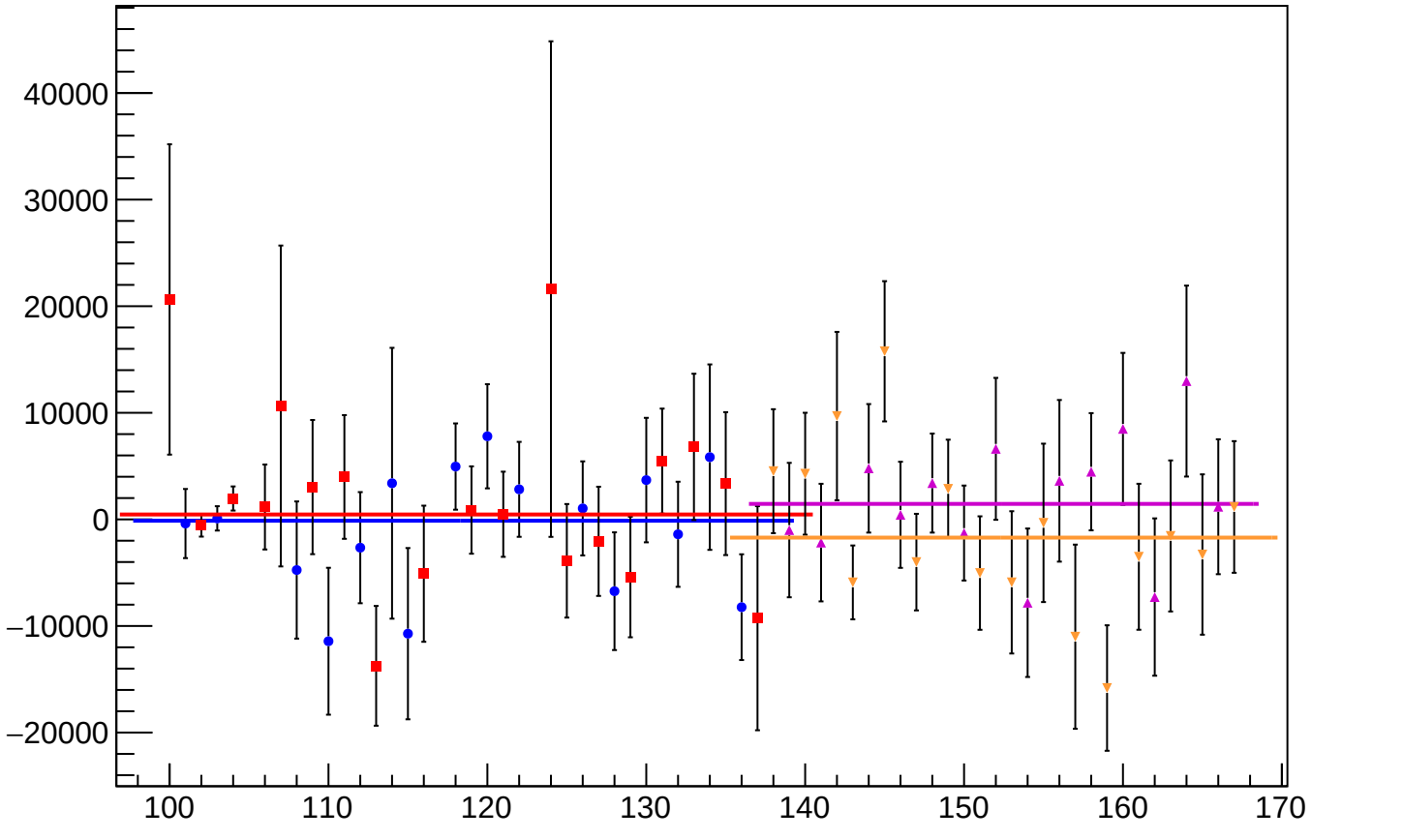
Left: 1826.592+/-0.267 χ^2/NDF: 56338.9/28

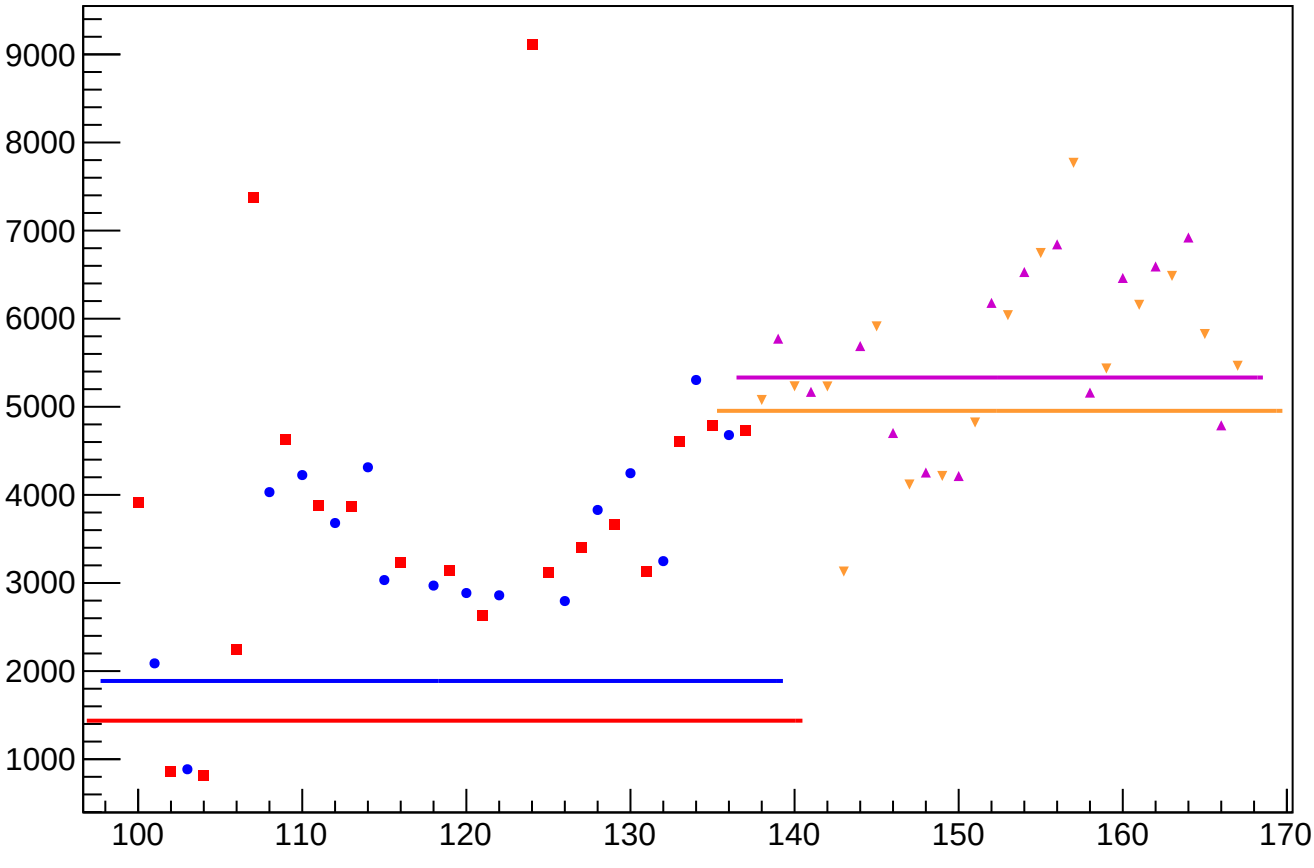
Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1774.579+/-0.291 χ^2/NDF:206558.2/29

Out: 1796.689+/-0.293 χ^2/NDF:294774.8/32

All: 1785.557+/-0.206 χ^2/NDF: 504207.4/62


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: -1709.278+/-1441.052 χ²/NDF:22.2/15
Right Out: 459.430+/-679.152 χ²/NDF: 18.5/18
Left In: 1453.744+/-1597.552 χ²/NDF:8.3/13
Left: -290.244+/-1070.041 χ²/NDF: 32.6/29
Right: 237.214+/-534.797 χ²/NDF: 33.9/34
In: 234.245+/-762.448 χ²/NDF:24.1/29
Out: 65.278+/-614.343 χ²/NDF:42.5/34
All: 131.793+/-478.377 χ²/NDF: 66.7/64



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4954.049+/-1.019 χ^2/NDF:1316497.4/15

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5332.206+/-1.130 χ^2/NDF:643657.6/13

Left: 5123.702+/-0.757 χ^2/NDF: 2021943.2/29

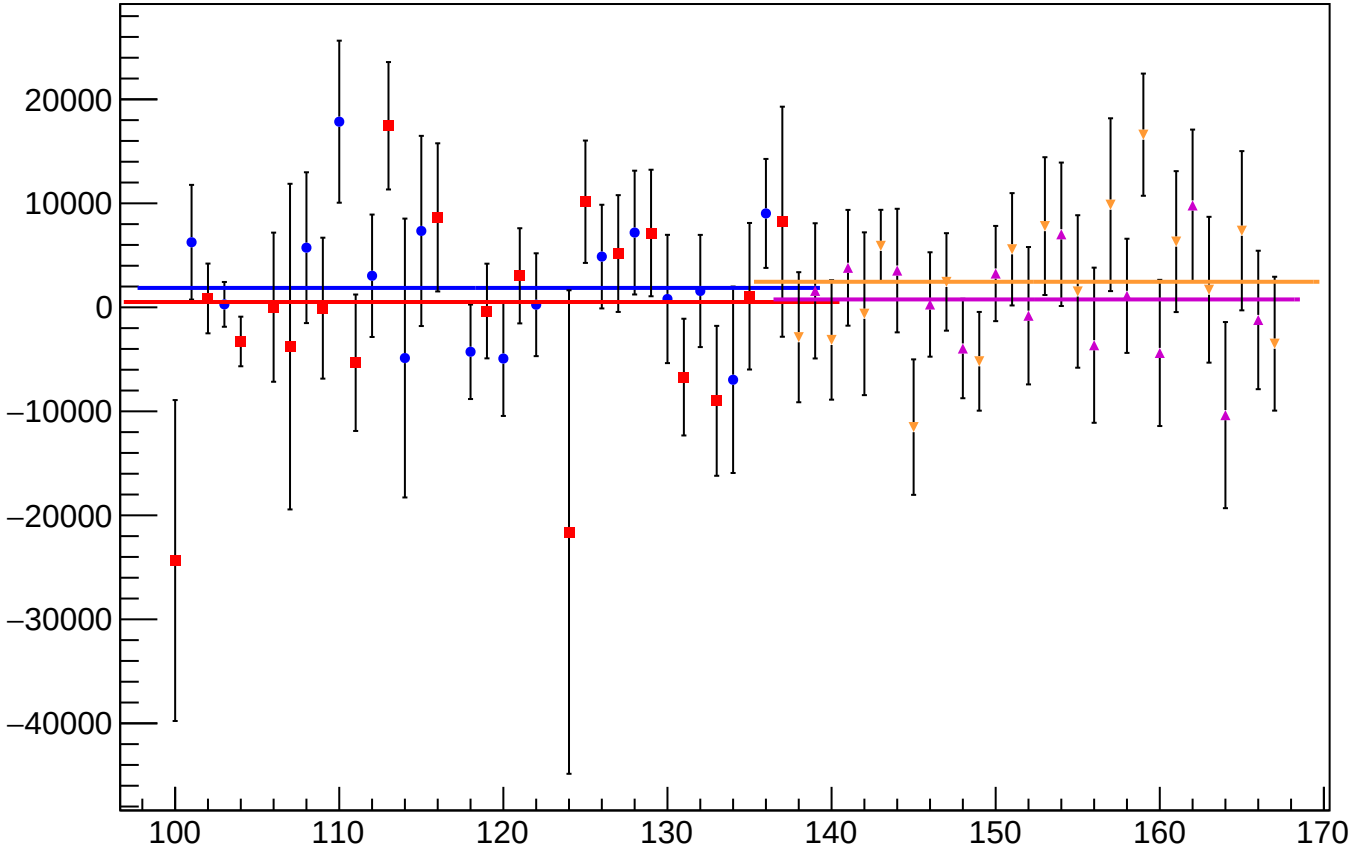
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2672.499+/-0.539 χ^2/NDF:12248074.8/29

Out: 2076.284+/-0.434 χ^2/NDF:17028212.1/34

All: 2310.989+/-0.338 χ^2/NDF: 30017824.1/6

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2457.421+/-1456.335 χ^2/NDF:19.2/15

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 759.893+/-1612.466 χ^2/NDF:6.7/13

Left: 1694.799+/-1080.778 χ^2/NDF: 26.6/29

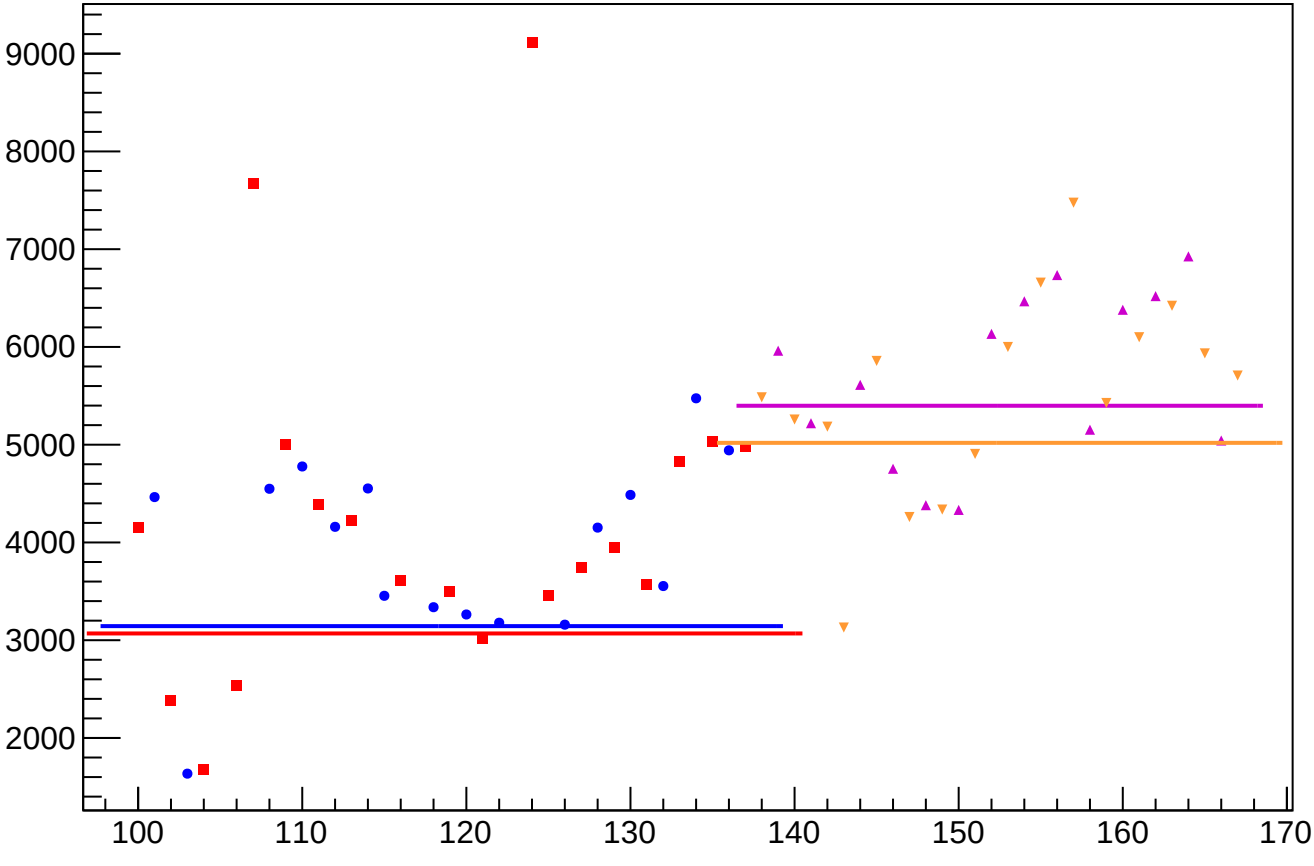
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1447.378+/-992.435 χ^2/NDF:20.8/29

Out: 1331.085+/-944.795 χ^2/NDF:44.9/34

All: 1386.373+/-684.293 χ^2/NDF: 65.8/64

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5018.955+/-1.030 χ^2/NDF:1248554.6/15

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5398.358+/-1.140 χ^2/NDF:542821.2/13

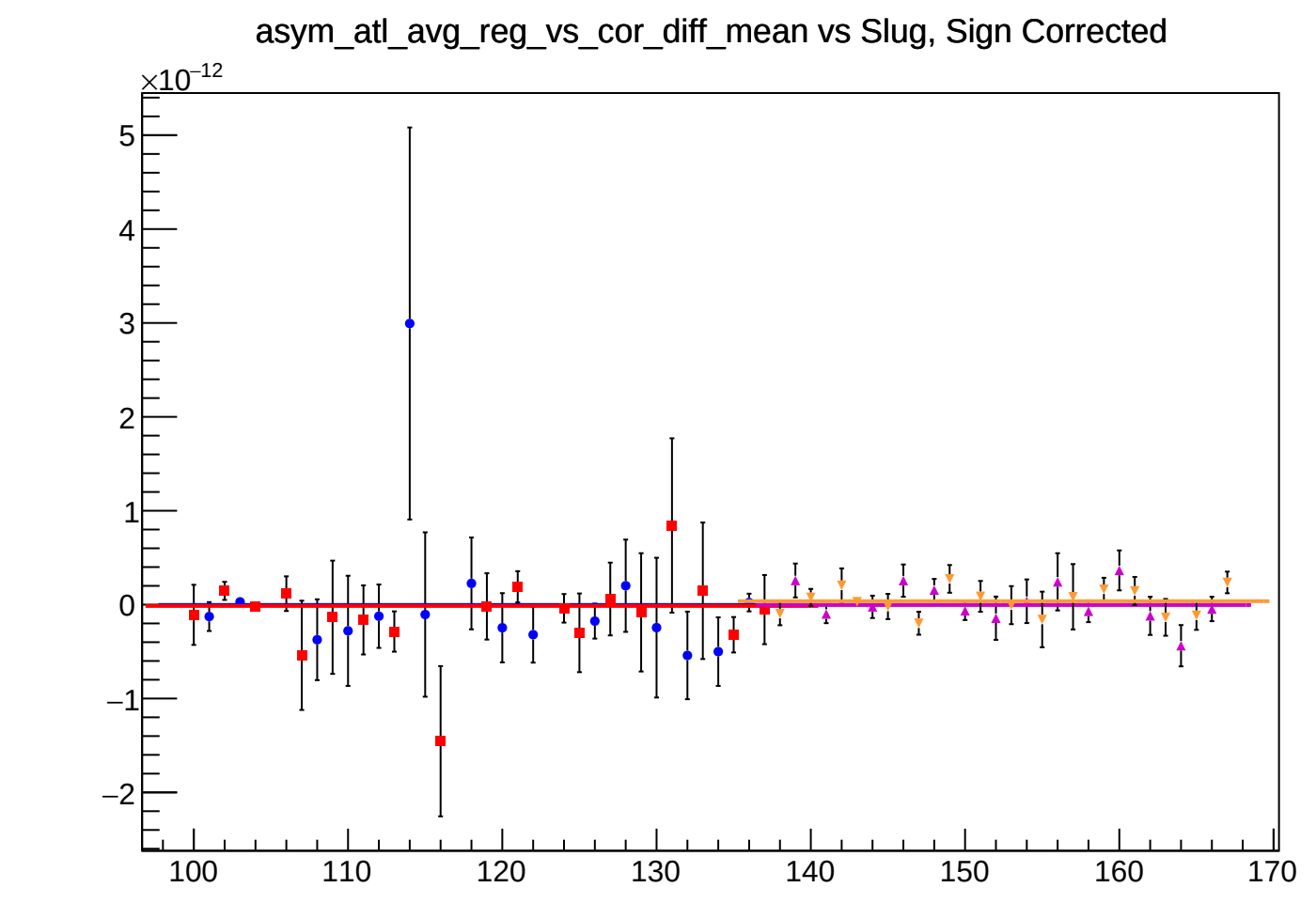
Left: 5189.403+/-0.764 χ^2/NDF: 1852357.7/29

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3998.059+/-0.702 χ^2/NDF:4854059.5/29

Out: 3874.855+/-0.662 χ^2/NDF:5233853.5/34

All: 3932.867+/-0.482 χ^2/NDF: 10104222.7/6



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/13

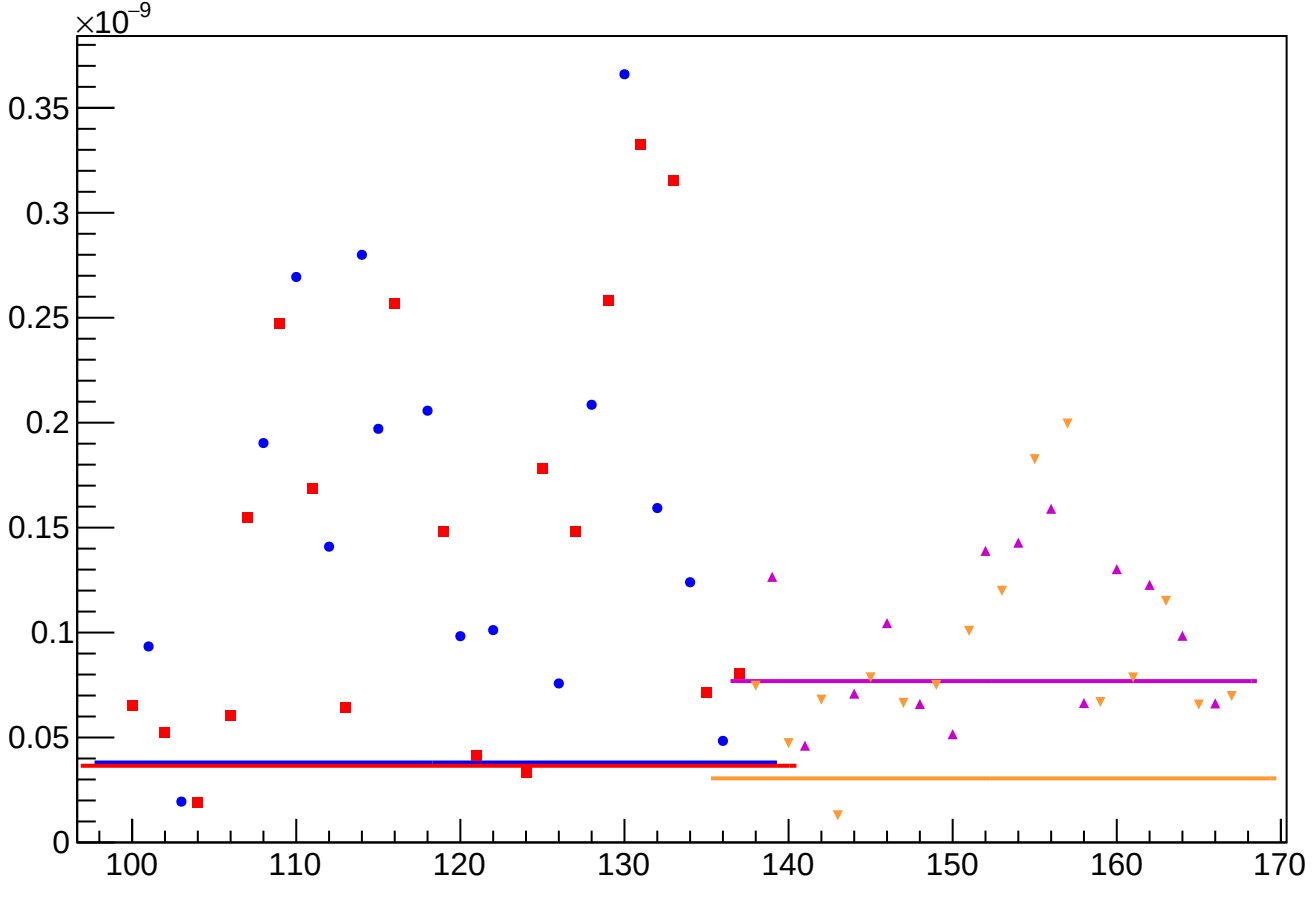
Left: 0.000+/-0.000 χ^2/NDF: 32.8/29

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: -0.000+/-0.000 χ^2/NDF:26.9/29

Out: 0.000+/-0.000 χ^2/NDF:32.4/34

All: 0.000+/-0.000 χ^2/NDF: 60.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5007176.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1285490.4/13

Left: 0.000+/-0.000 χ^2/NDF: 8559247.0/29

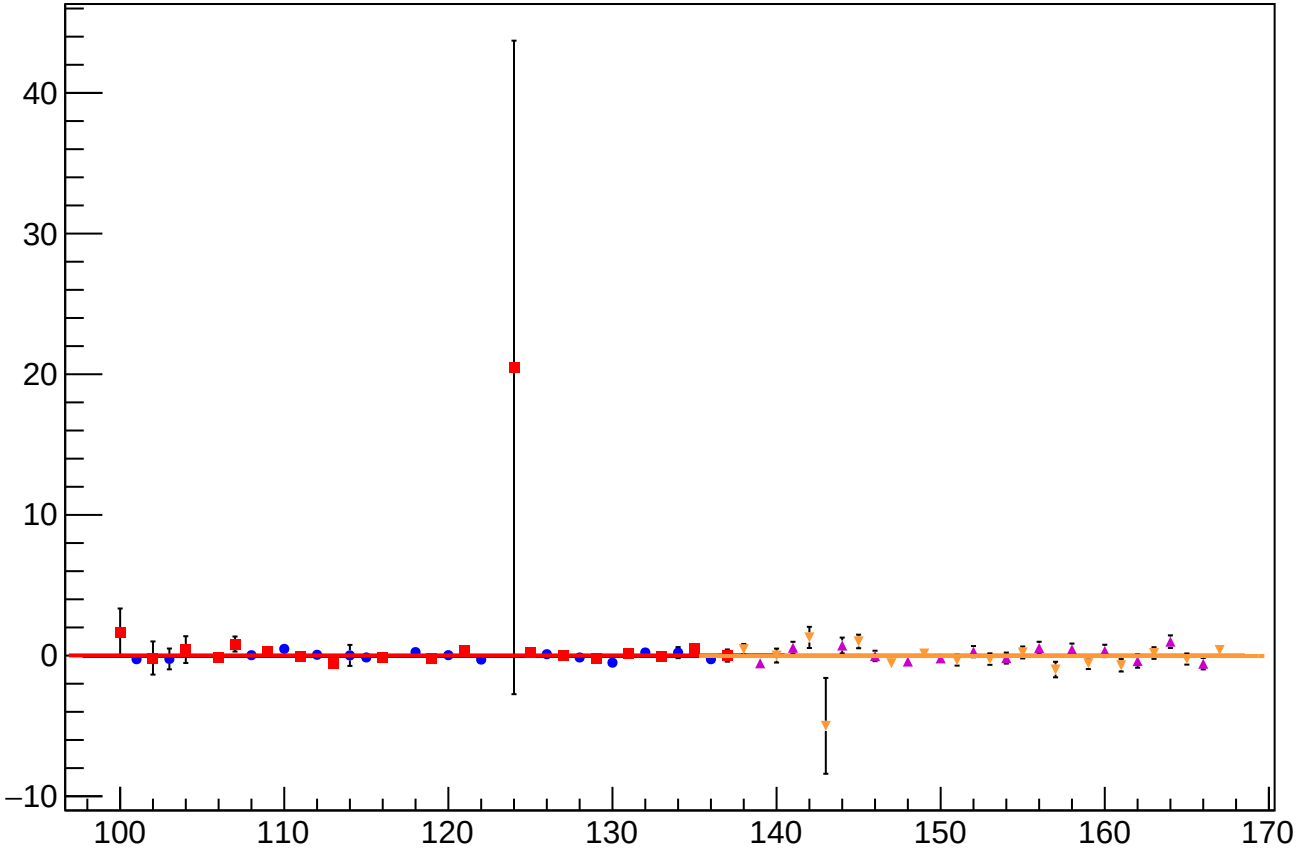
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5305808.6/29

Out: 0.000+/-0.000 χ^2/NDF:7740473.1/34

All: 0.000+/-0.000 χ^2/NDF: 14151611.1/64

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.004+/-0.104 χ^2/NDF:20.8/13

Left: -0.018+/-0.074 χ^2/NDF: 45.8/29

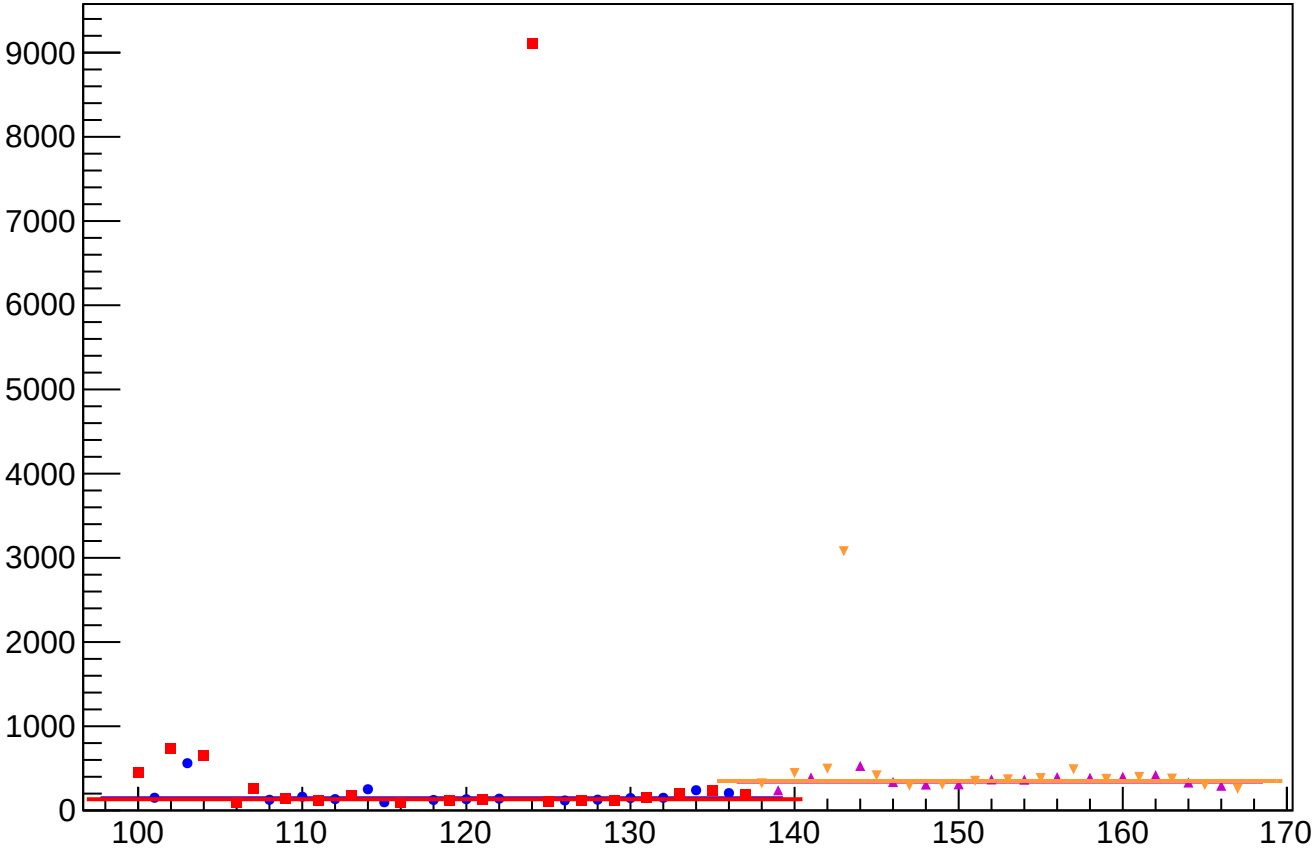
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.051 χ^2/NDF:38.1/29

Out: 0.001+/-0.050 χ^2/NDF:46.9/34

All: -0.011+/-0.035 χ^2/NDF: 85.1/64

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 349.542+/-0.074 χ^2/NDF:1986922.8/15

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 342.619+/-0.074 χ^2/NDF:758794.1/13

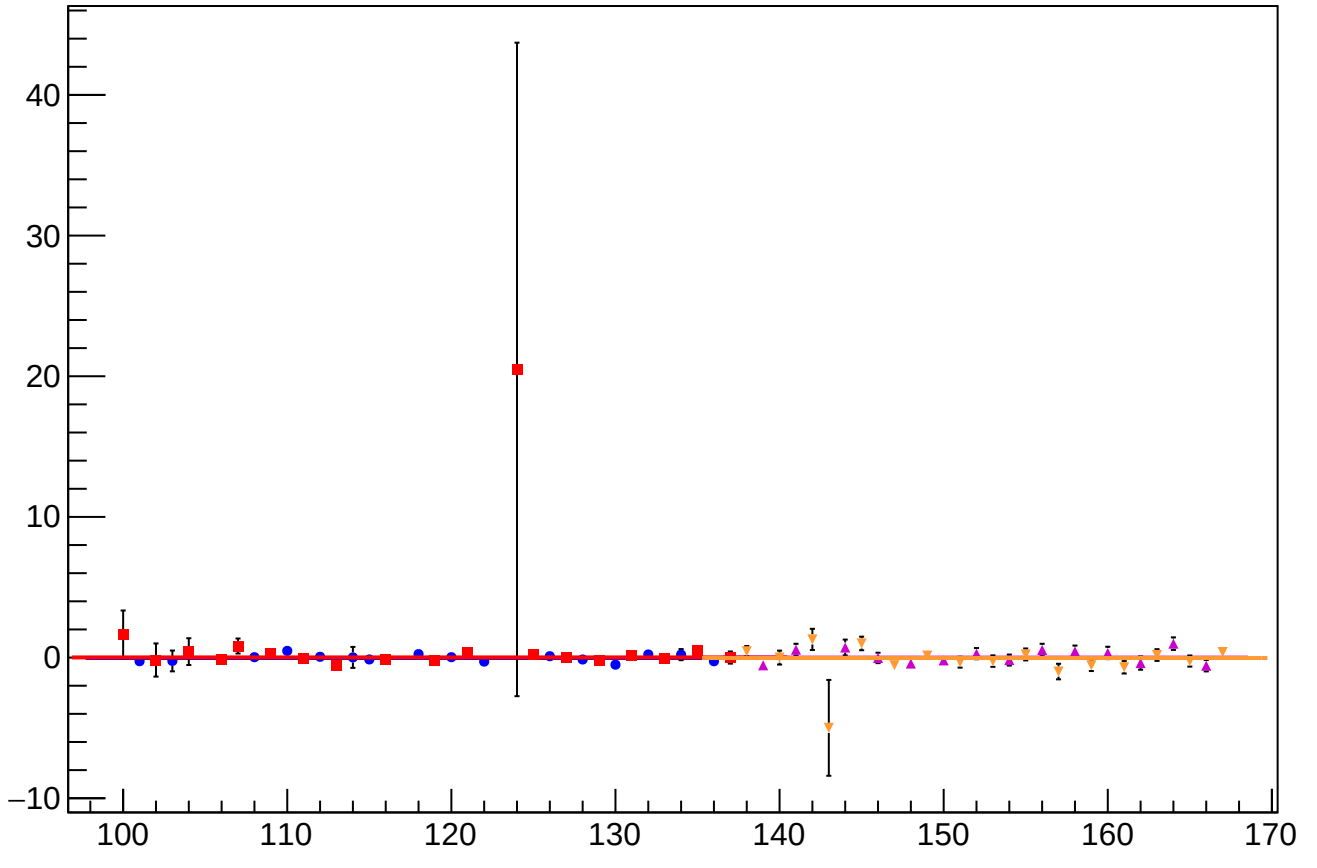
Left: 346.087+/-0.052 χ^2/NDF: 2750132.3/29

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 190.943+/-0.036 χ^2/NDF:7421328.5/29

Out: 182.490+/-0.035 χ^2/NDF:10876843.6/34

All: 186.640+/-0.025 χ^2/NDF: 18326610.9/64



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.004+/-0.104 χ^2/NDF:20.8/13

Left: -0.018+/-0.074 χ^2/NDF: 45.8/29

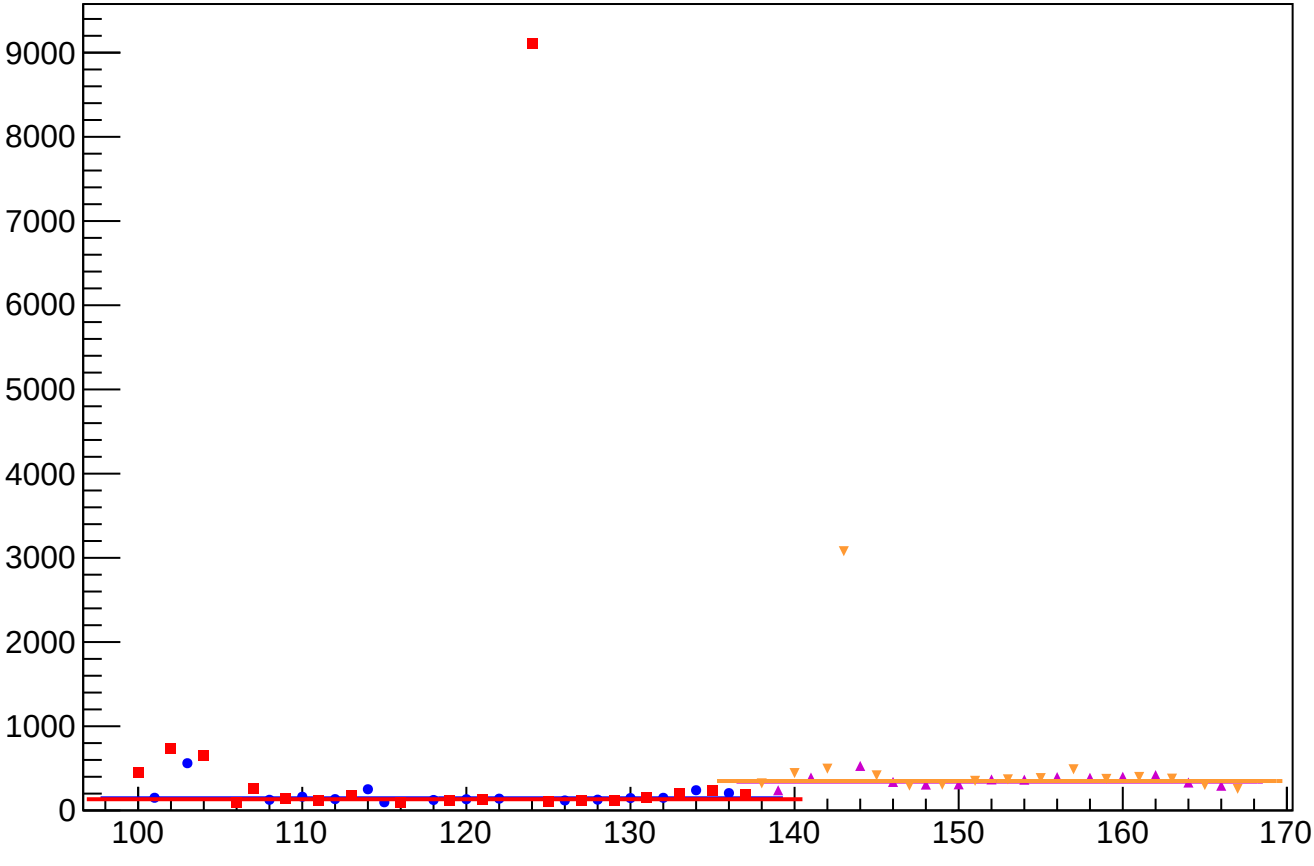
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.051 χ^2/NDF:38.1/29

Out: 0.001+/-0.050 χ^2/NDF:46.9/34

All: -0.011+/-0.035 χ^2/NDF: 85.1/64

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 349.542+/-0.074 χ^2/NDF:1986922.8/15

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 342.619+/-0.074 χ^2/NDF:758794.1/13

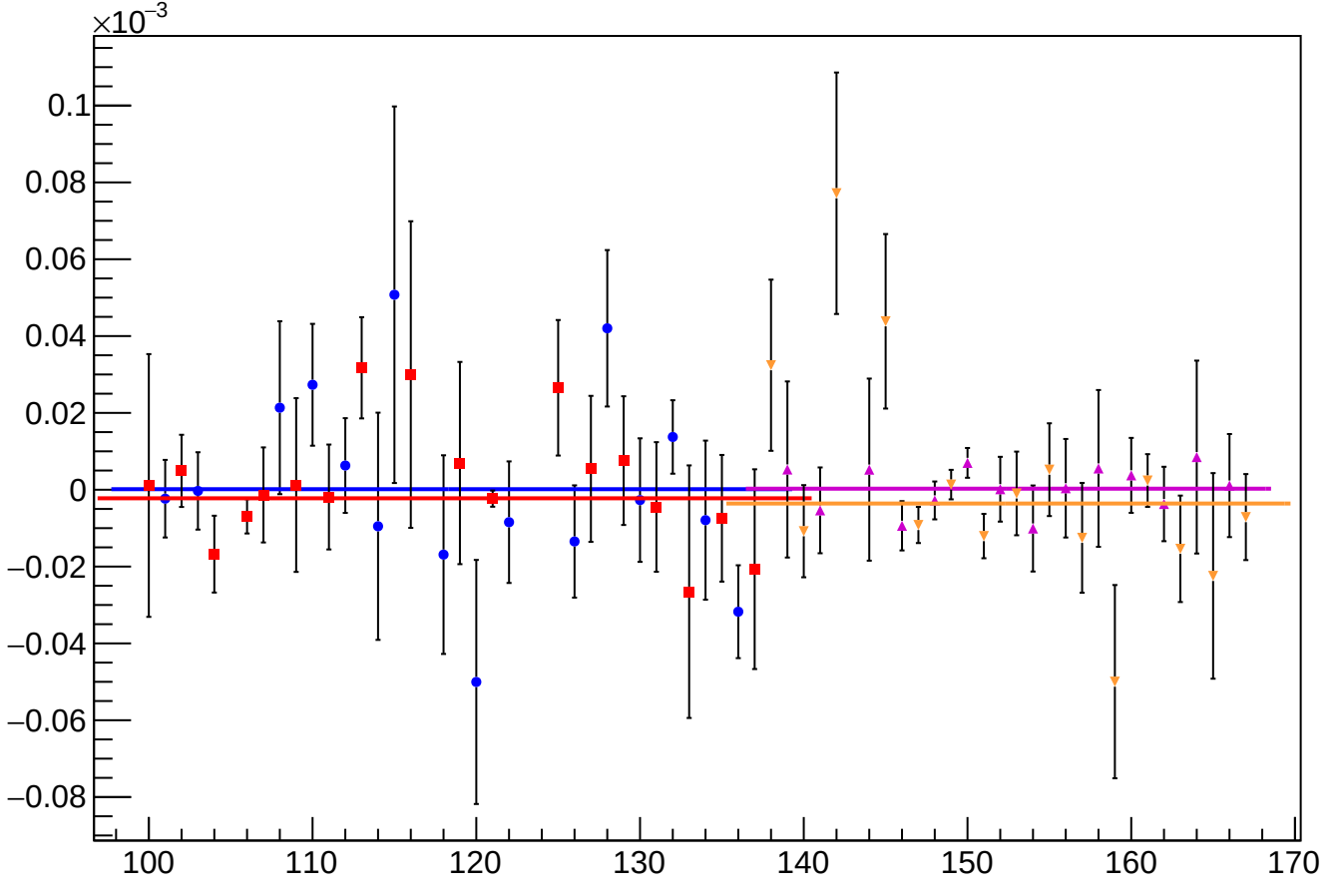
Left: 346.087+/-0.052 χ^2/NDF: 2750132.3/29

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 190.943+/-0.036 χ^2/NDF:7421328.5/29

Out: 182.490+/-0.035 χ^2/NDF:10876843.6/34

All: 186.640+/-0.025 χ^2/NDF: 18326610.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/13

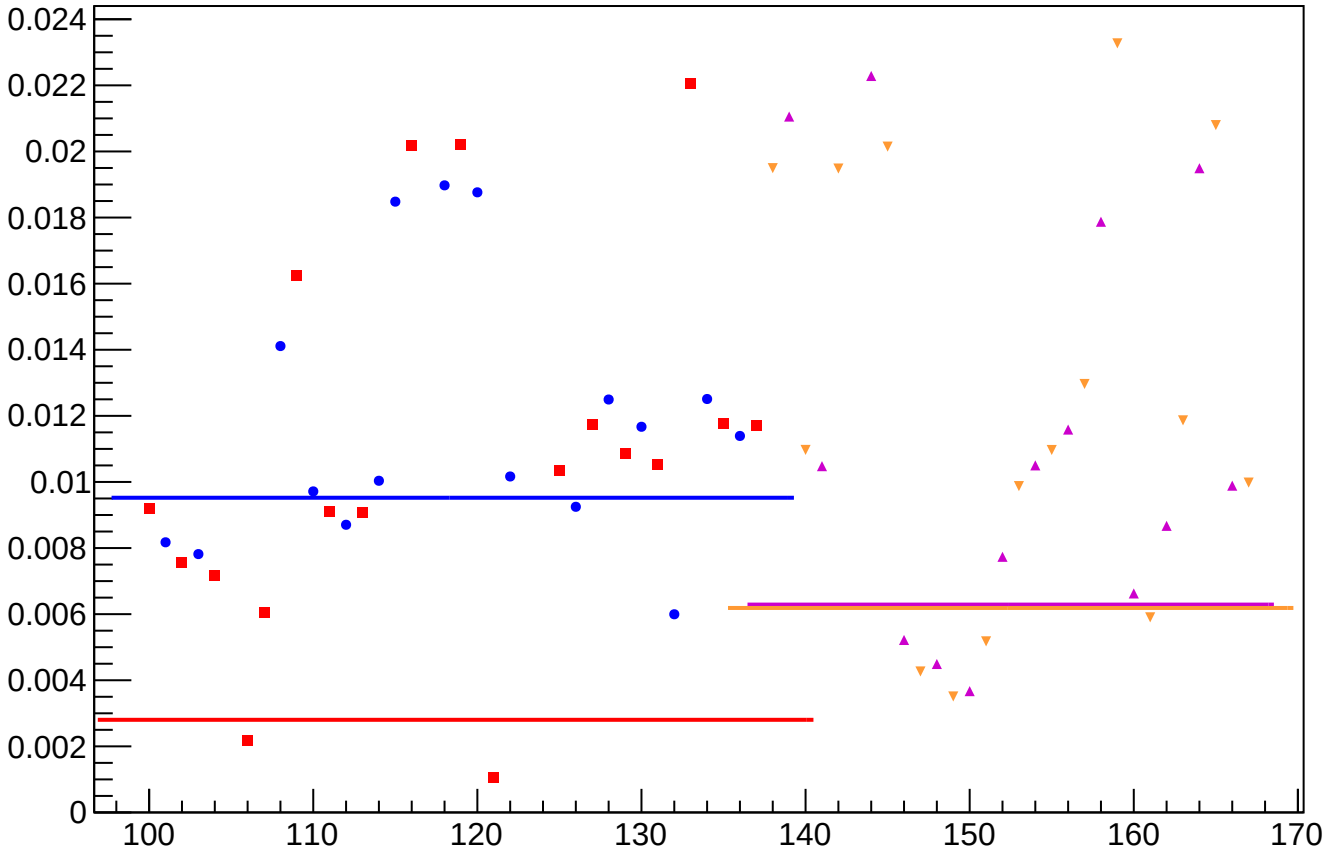
Left: -0.000+/-0.000 χ^2/NDF: 34.5/28

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:30.1/29

Out: -0.000+/-0.000 χ^2/NDF:41.4/32

All: -0.000+/-0.000 χ^2/NDF: 73.2/62



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:6591833.0/14

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:5403673.6/13

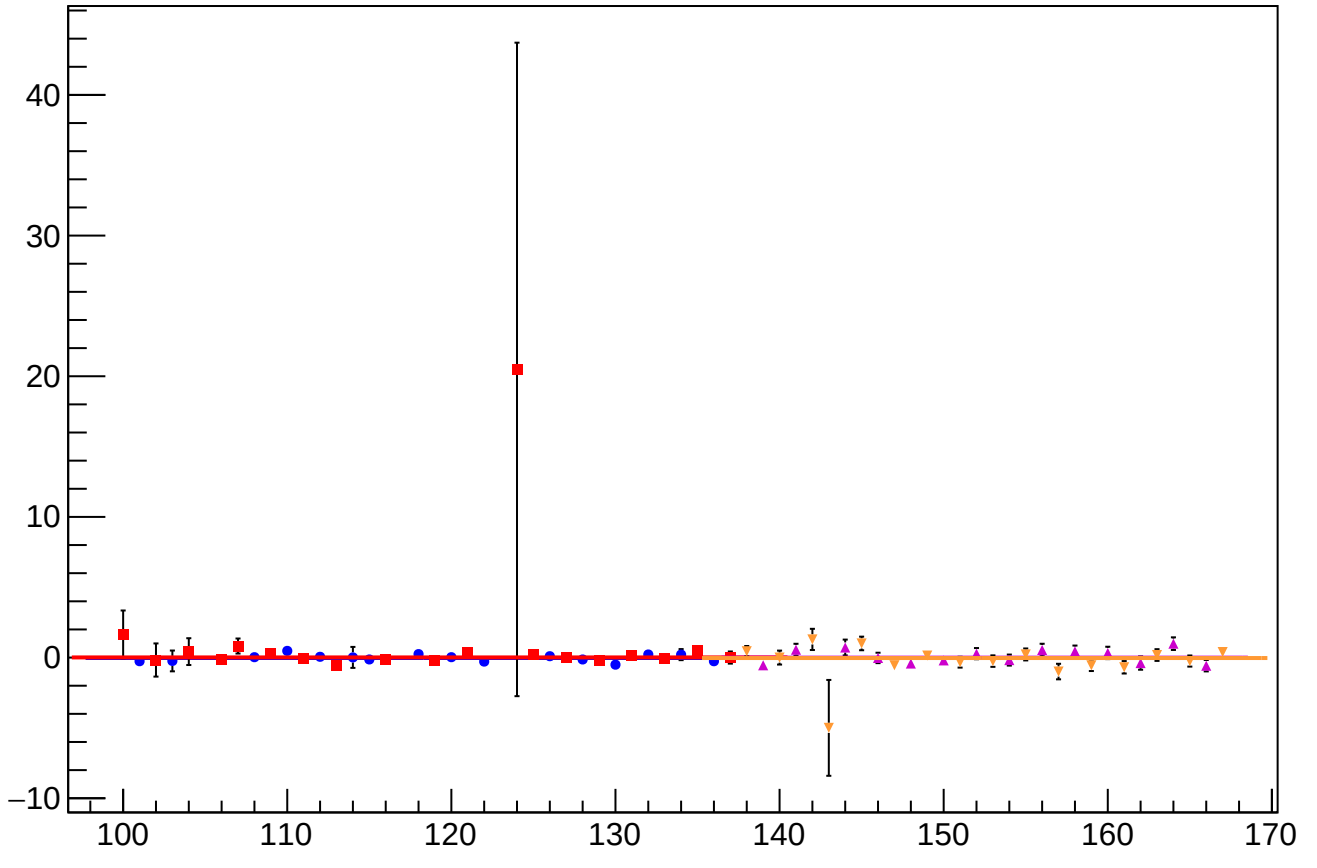
Left: 0.006+/-0.000 χ^2/NDF: 11997657.5/28

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:7639321.6/29

Out: 0.004+/-0.000 χ^2/NDF:18149947.9/32

All: 0.005+/-0.000 χ^2/NDF: 29129144.8/62



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.004+/-0.104 χ^2/NDF:20.8/13

Left: -0.018+/-0.074 χ^2/NDF: 45.8/29

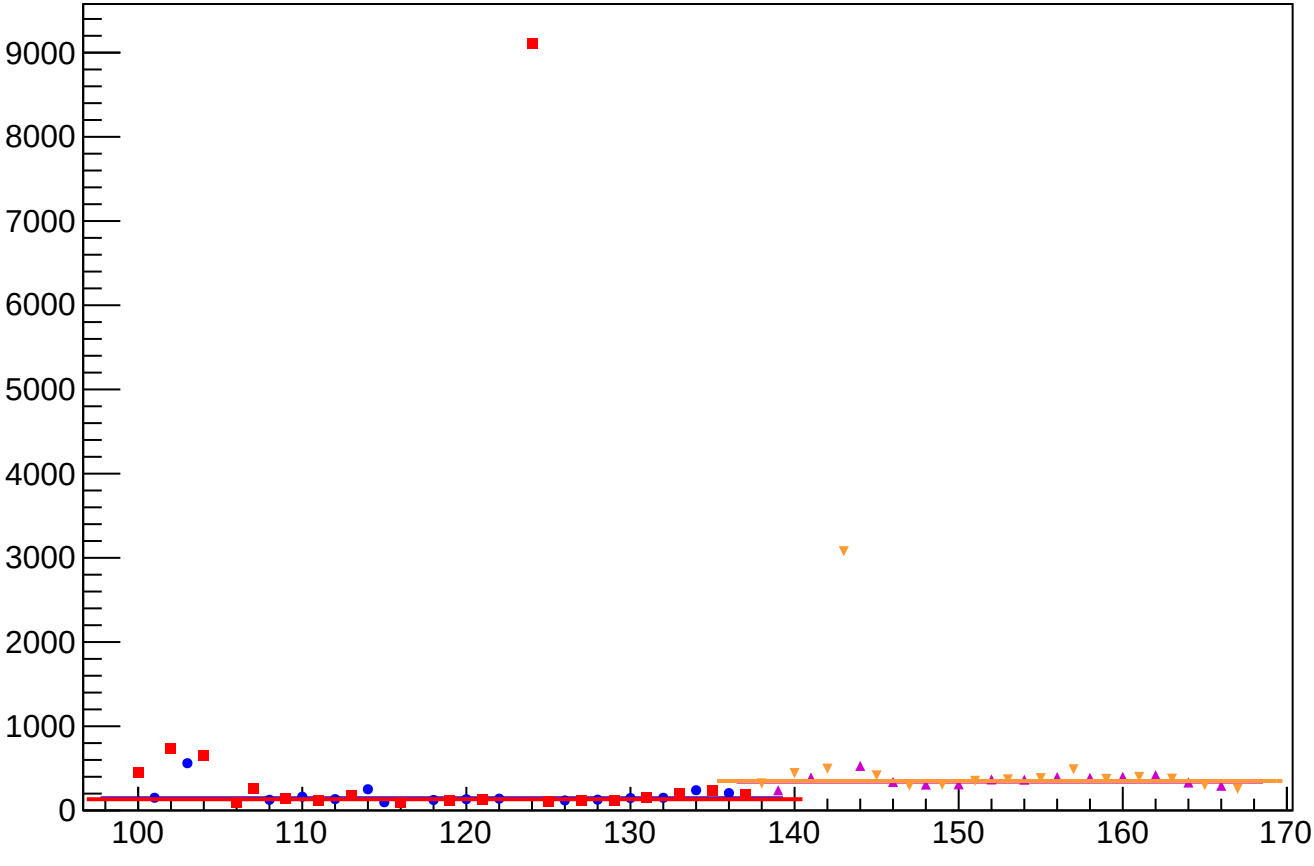
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.051 χ^2/NDF:38.1/29

Out: 0.001+/-0.050 χ^2/NDF:46.9/34

All: -0.011+/-0.035 χ^2/NDF: 85.1/64

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 349.547+/-0.074 χ^2/NDF:1986960.5/15

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 342.625+/-0.074 χ^2/NDF:758792.3/13

Left: 346.092+/-0.052 χ^2/NDF: 2750167.3/29

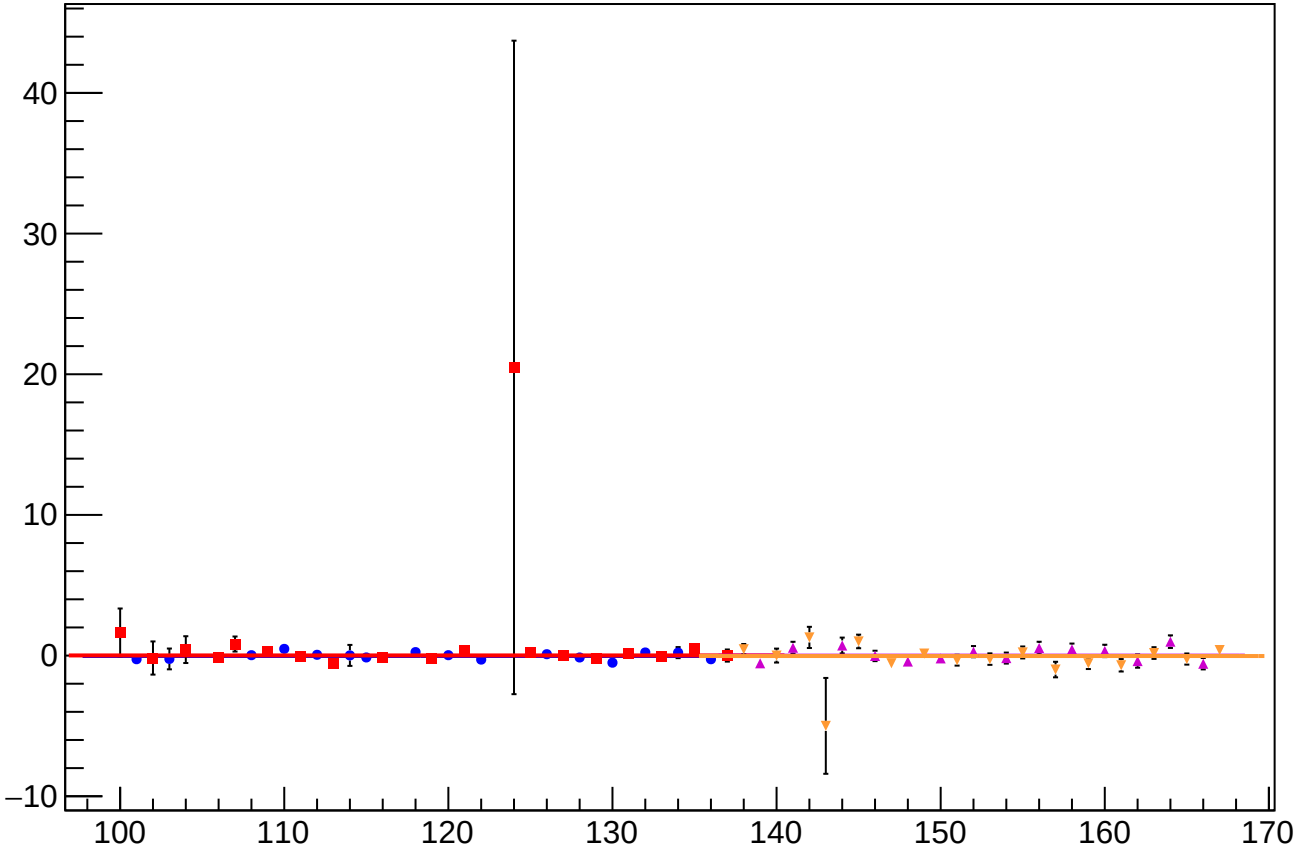
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 190.941+/-0.036 χ^2/NDF:7421617.5/29

Out: 182.490+/-0.035 χ^2/NDF:10877040.3/34

All: 186.639+/-0.025 χ^2/NDF: 18327092.5/64

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.004+/-0.104 χ^2/NDF:20.8/13

Left: -0.018+/-0.074 χ^2/NDF: 45.8/29

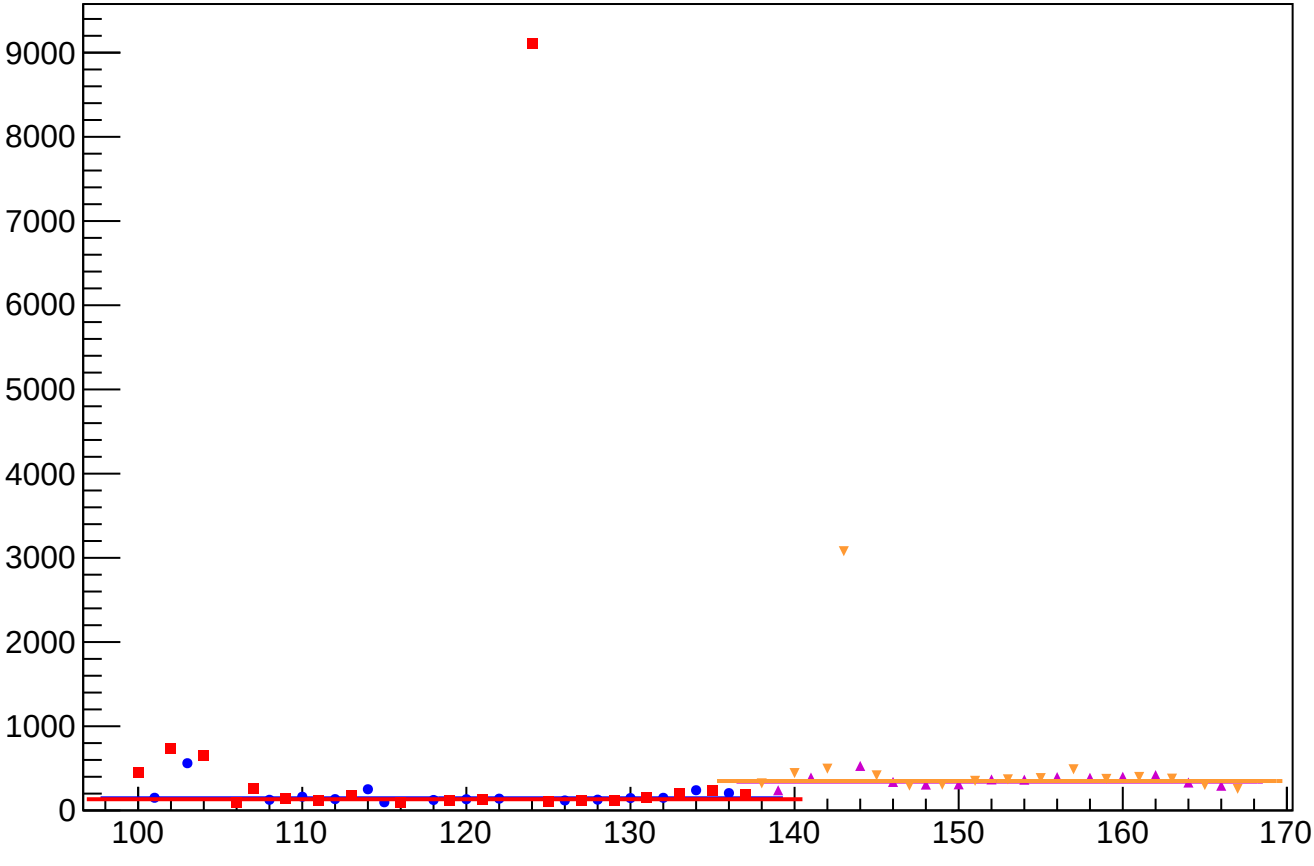
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.051 χ^2/NDF:38.1/29

Out: 0.001+/-0.050 χ^2/NDF:46.9/34

All: -0.011+/-0.035 χ^2/NDF: 85.1/64

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 349.547+/-0.074 χ^2/NDF:1986960.5/15

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 342.625+/-0.074 χ^2/NDF:758792.3/13

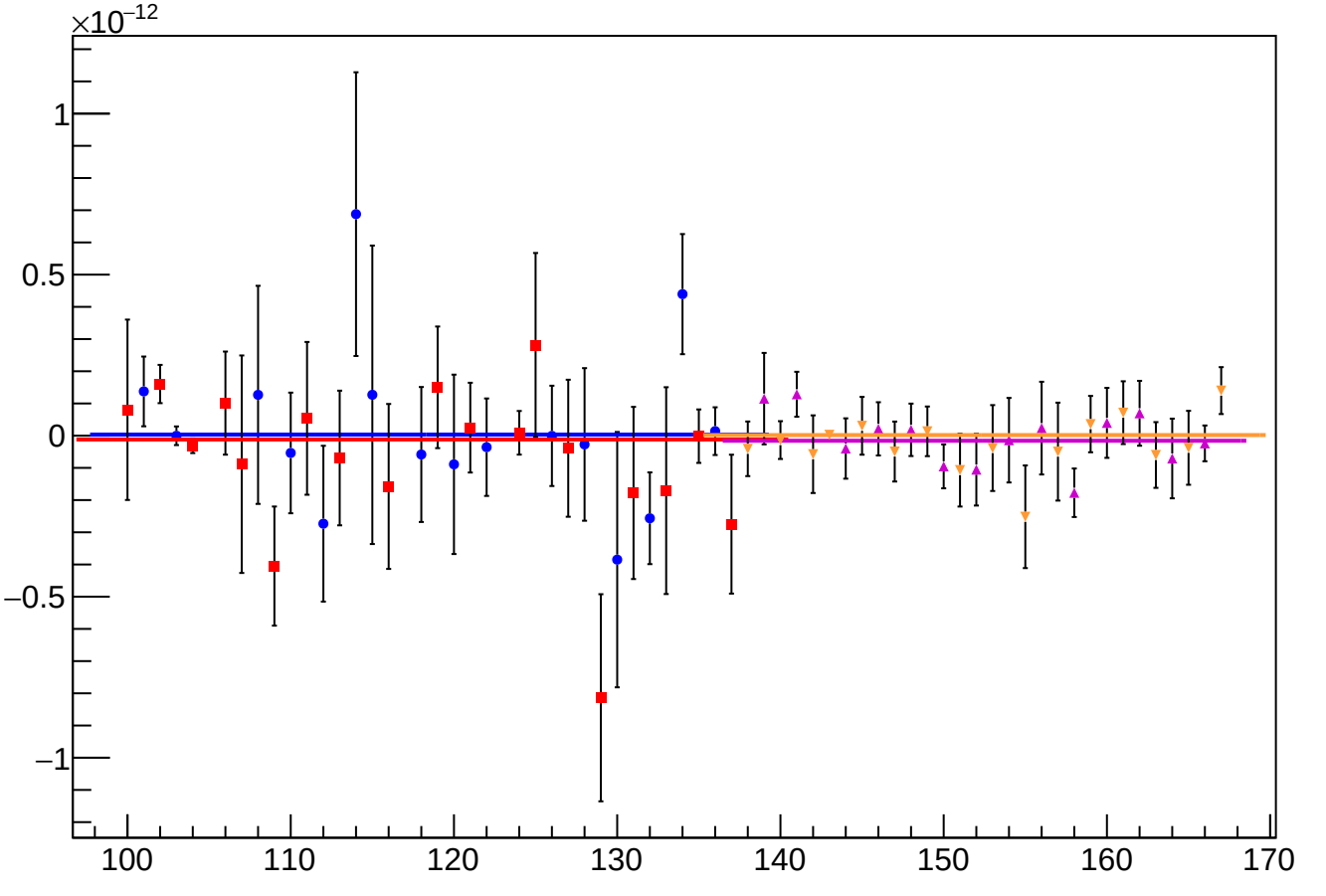
Left: 346.092+/-0.052 χ^2/NDF: 2750167.3/29

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 190.941+/-0.036 χ^2/NDF:7421617.5/29

Out: 182.490+/-0.035 χ^2/NDF:10877040.3/34

All: 186.639+/-0.025 χ^2/NDF: 18327092.5/64



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/13

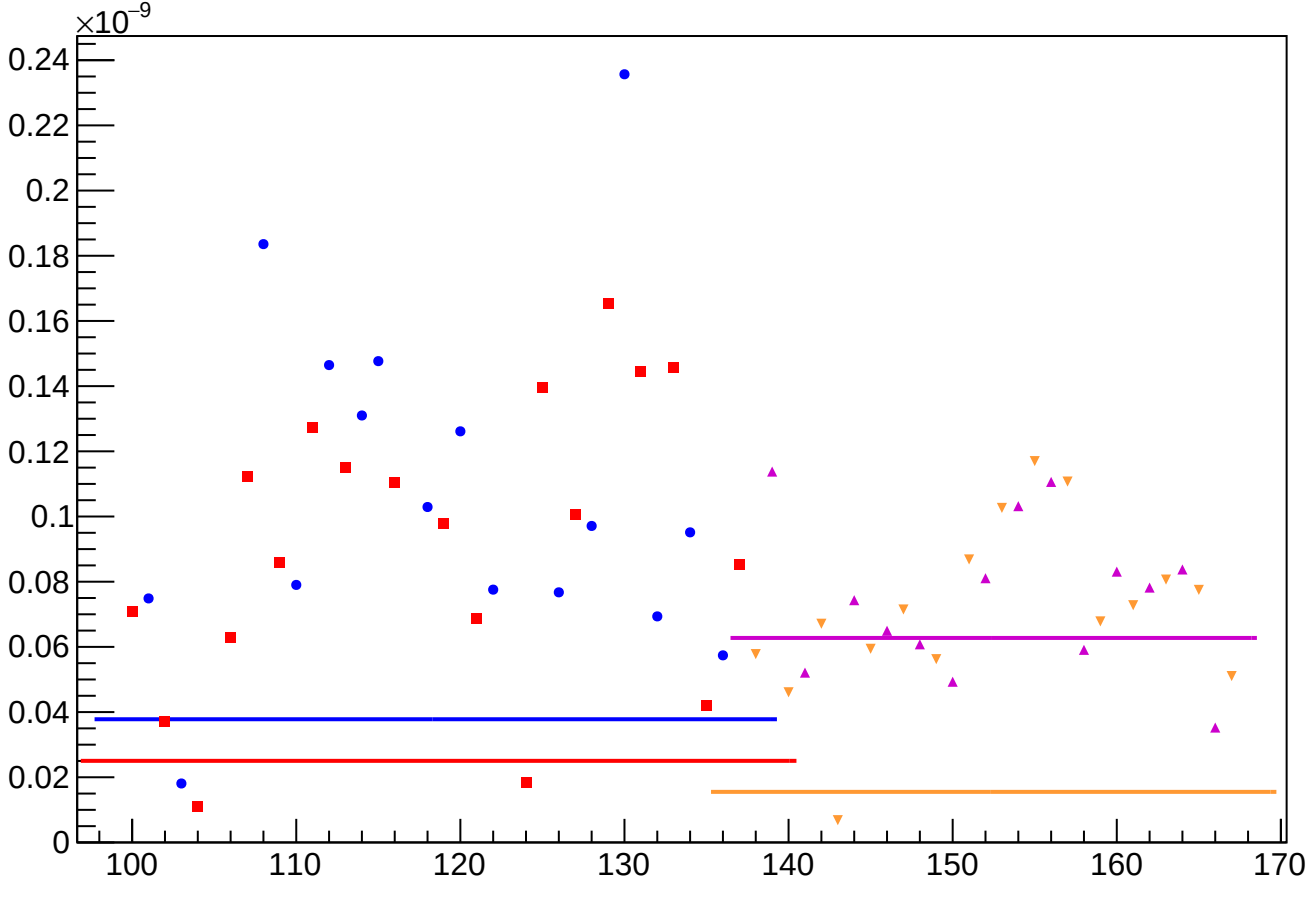
Left: -0.000+/-0.000 χ^2/NDF: 23.3/29

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:29.4/29

Out: -0.000+/-0.000 χ^2/NDF:35.0/34

All: -0.000+/-0.000 χ^2/NDF: 64.4/64



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:11184589.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1550421.9/13

Left: 0.000+/-0.000 χ^2/NDF: 19745732.9/29

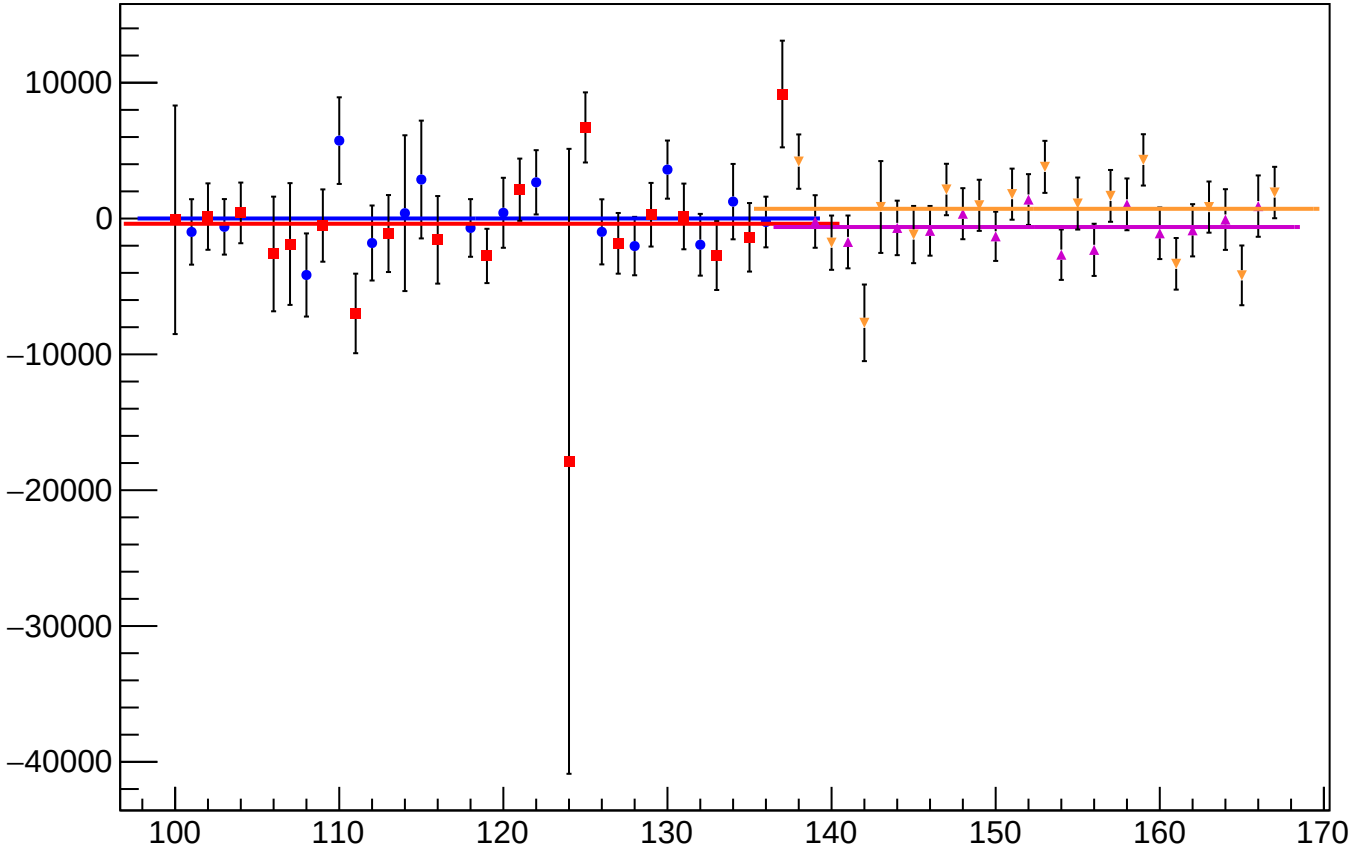
Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:6601840.0/29

Out: 0.000+/-0.000 χ^2/NDF:16307691.3/34

All: 0.000+/-0.000 χ^2/NDF: 29180444.4/64

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 716.316+/-504.582 χ^2/NDF:31.6/15

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -624.378+/-517.585 χ^2/NDF:5.3/13

Left: 63.021+/-361.303 χ^2/NDF: 40.3/29

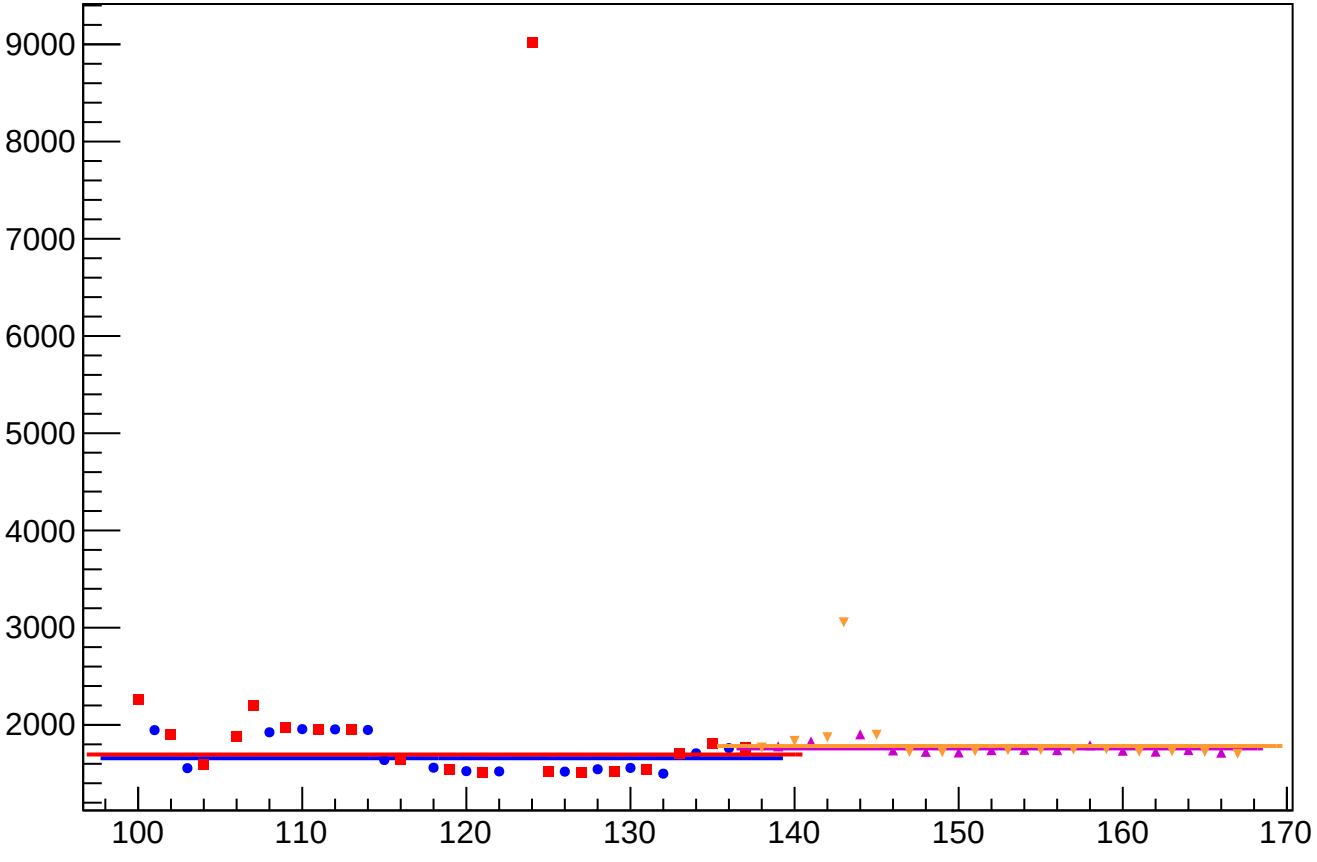
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -366.107+/-397.305 χ^2/NDF:18.4/29

Out: 289.076+/-394.729 χ^2/NDF:57.5/34

All: -36.385+/-280.022 χ^2/NDF: 77.2/64

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1782.817+/-0.357 χ^2/NDF:310135.6/15

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1758.104+/-0.366 χ^2/NDF:18258.3/13

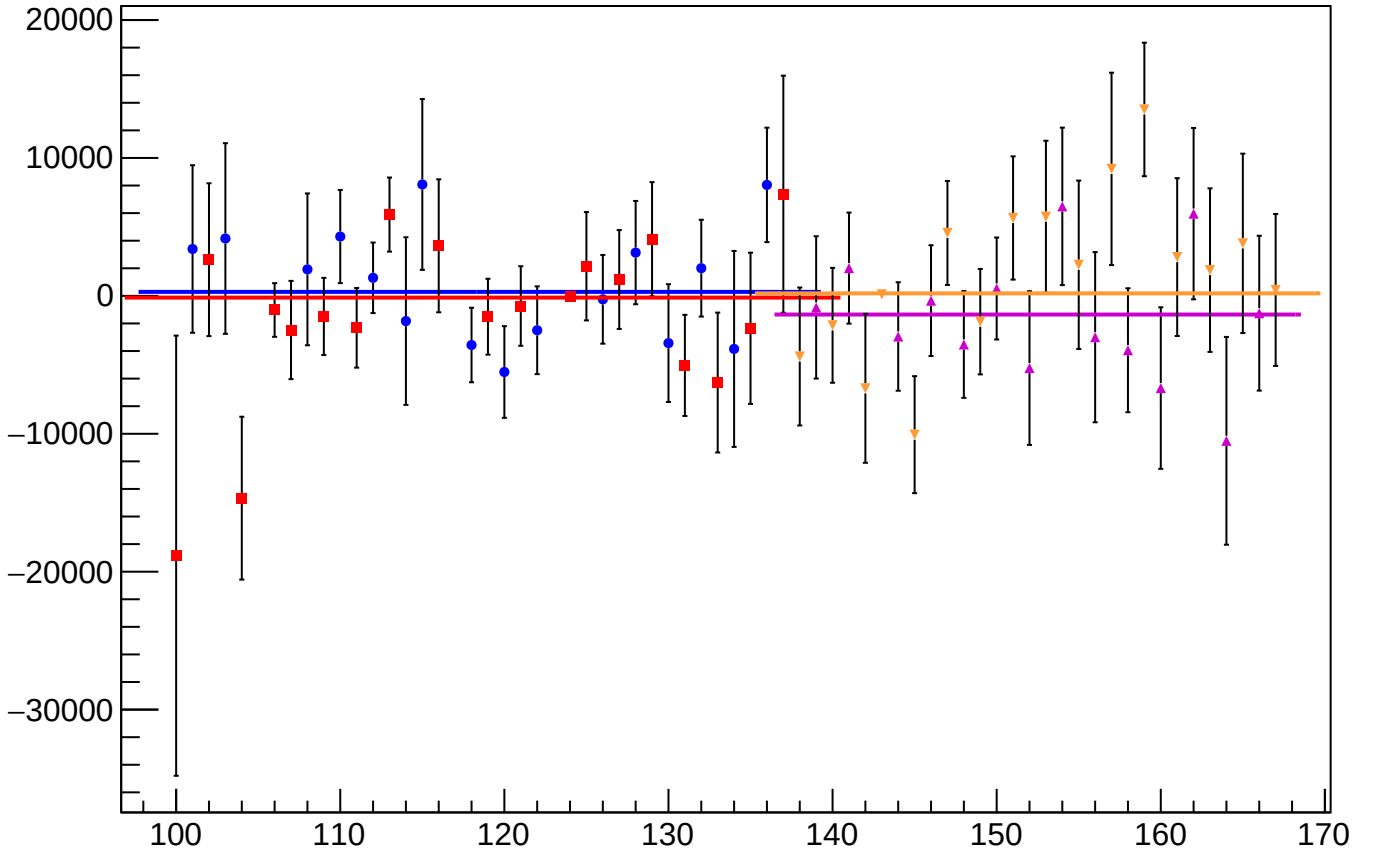
Left: 1770.775+/-0.255 χ^2/NDF: 330731.6/29

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1716.623+/-0.281 χ^2/NDF:193514.5/29

Out: 1748.803+/-0.279 χ^2/NDF:719642.7/34

All: 1732.846+/-0.198 χ^2/NDF: 919772.0/64



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 181.598+/-350.130 χ^2/NDF:22.8/15

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -1353.585+/-1281.655 χ^2/NDF:8.0/13

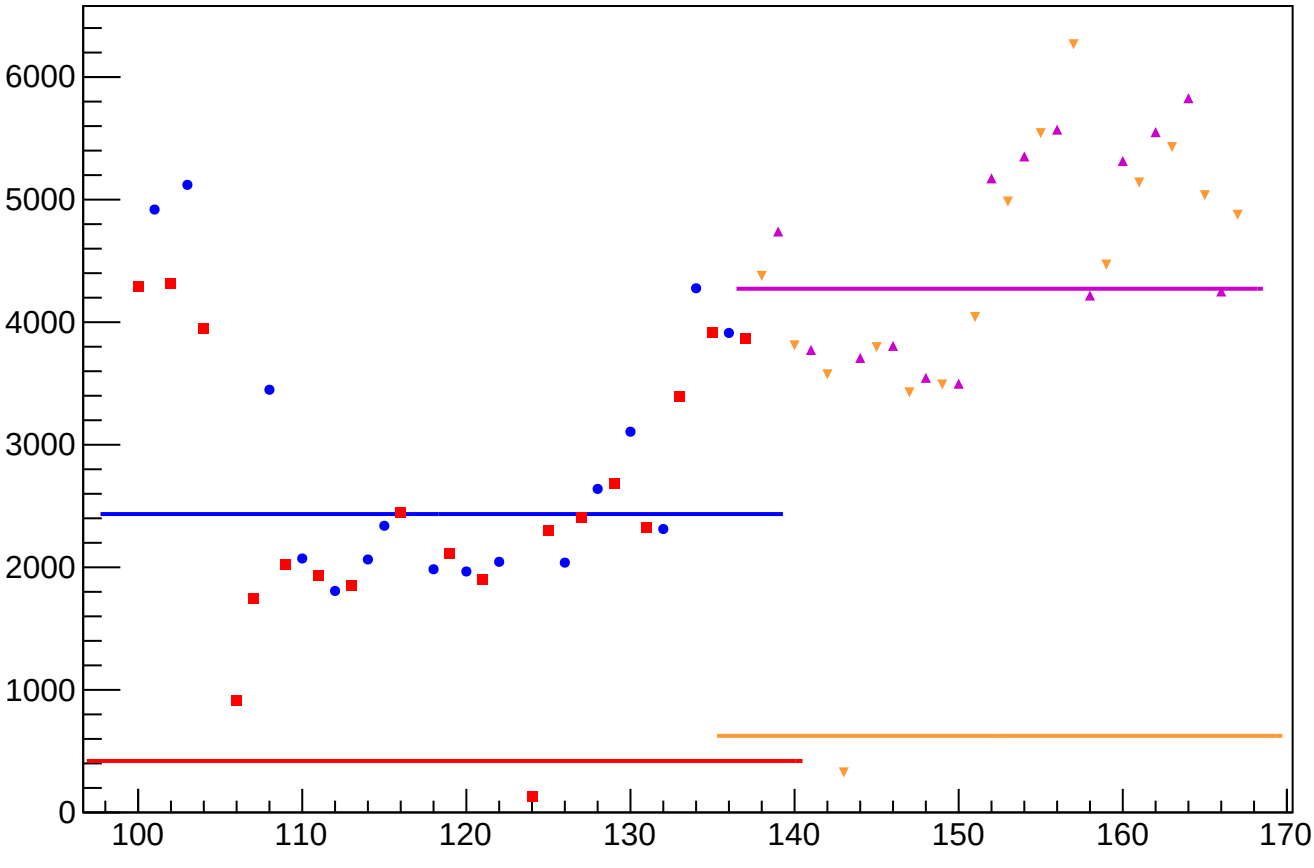
Left: 74.983+/-337.754 χ^2/NDF: 32.1/29

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -302.029+/-768.906 χ^2/NDF:24.3/29

Out: 15.983+/-237.691 χ^2/NDF:44.0/34

All: -11.756+/-227.089 χ^2/NDF: 68.4/64



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 624.955+/-0.248 χ^2/NDF:18543567.4/15

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4272.878+/-0.906 χ^2/NDF:719280.0/13

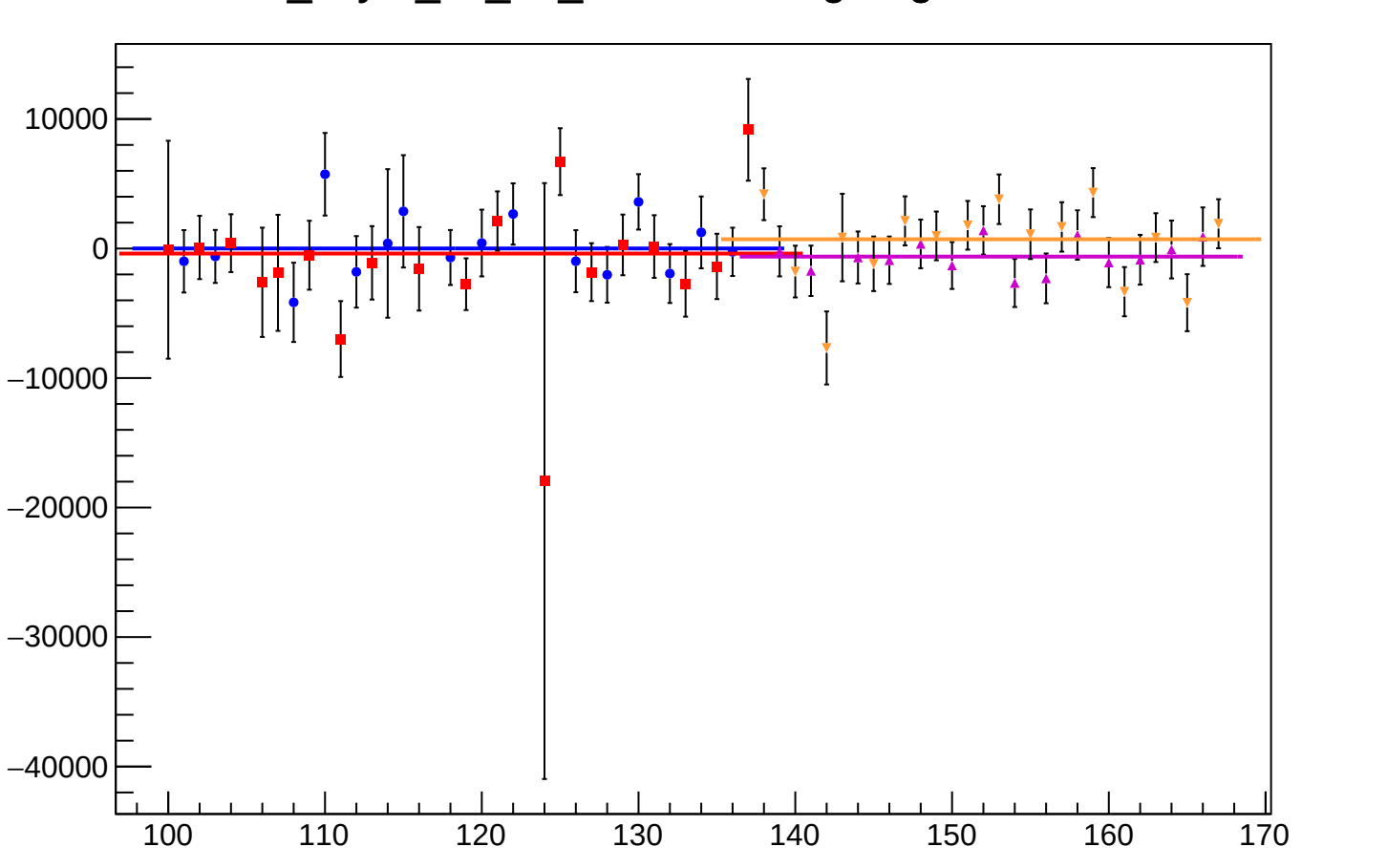
Left: 878.294+/-0.239 χ^2/NDF: 34340013.2/29

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3096.225+/-0.544 χ^2/NDF:4810594.2/29

Out: 514.613+/-0.168 χ^2/NDF:29975966.4/34

All: 739.796+/-0.161 χ^2/NDF: 55365798.8/64



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 716.260+/-504.582 χ^2/NDF:31.6/15

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -624.404+/-517.585 χ^2/NDF:5.3/13

Left: 62.979+/-361.303 χ^2/NDF: 40.3/29

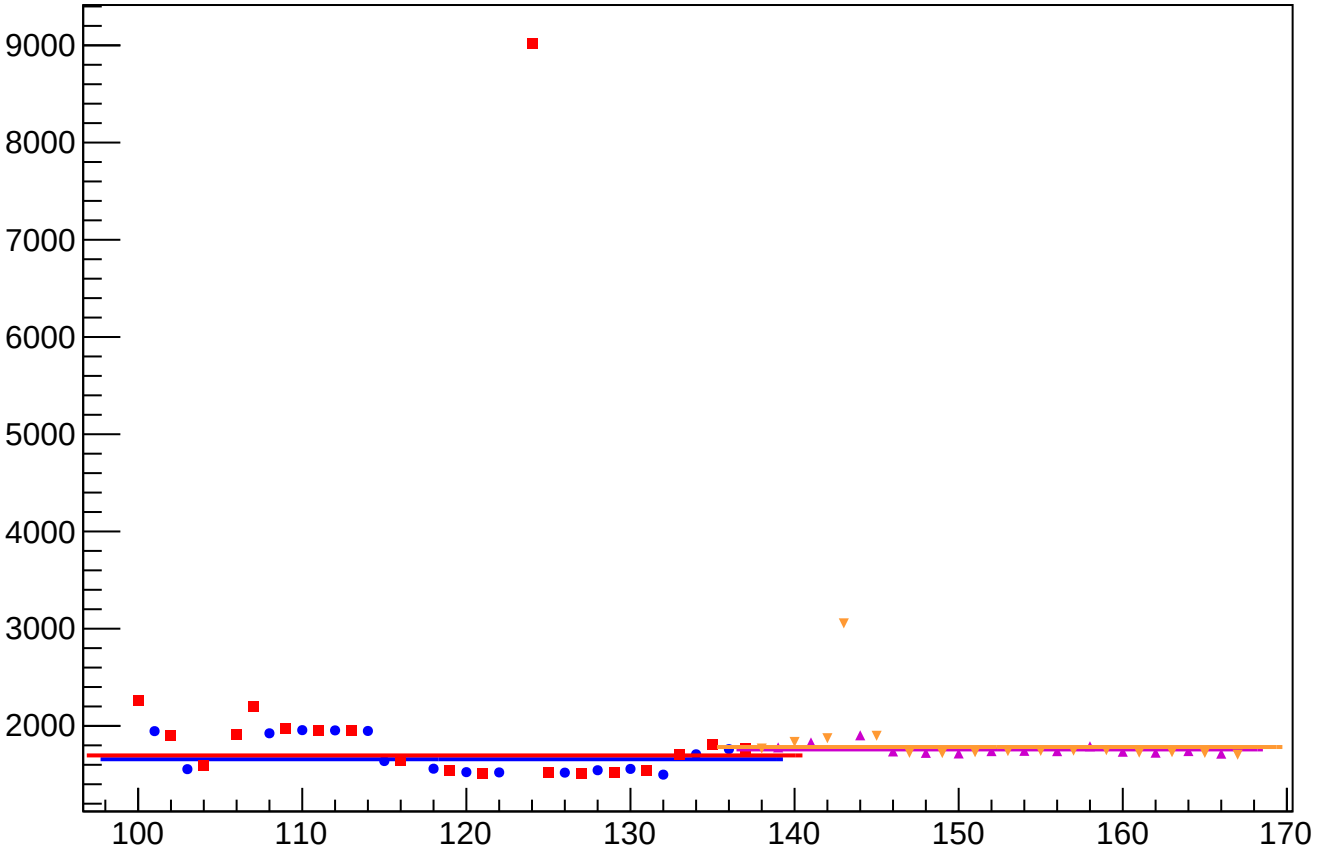
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -366.154+/-397.305 χ^2/NDF:18.4/29

Out: 287.379+/-394.731 χ^2/NDF:57.5/34

All: -37.264+/-280.023 χ^2/NDF: 77.2/64

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1782.817+/-0.357 χ^2/NDF:310135.6/15

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1758.104+/-0.366 χ^2/NDF:18258.3/13

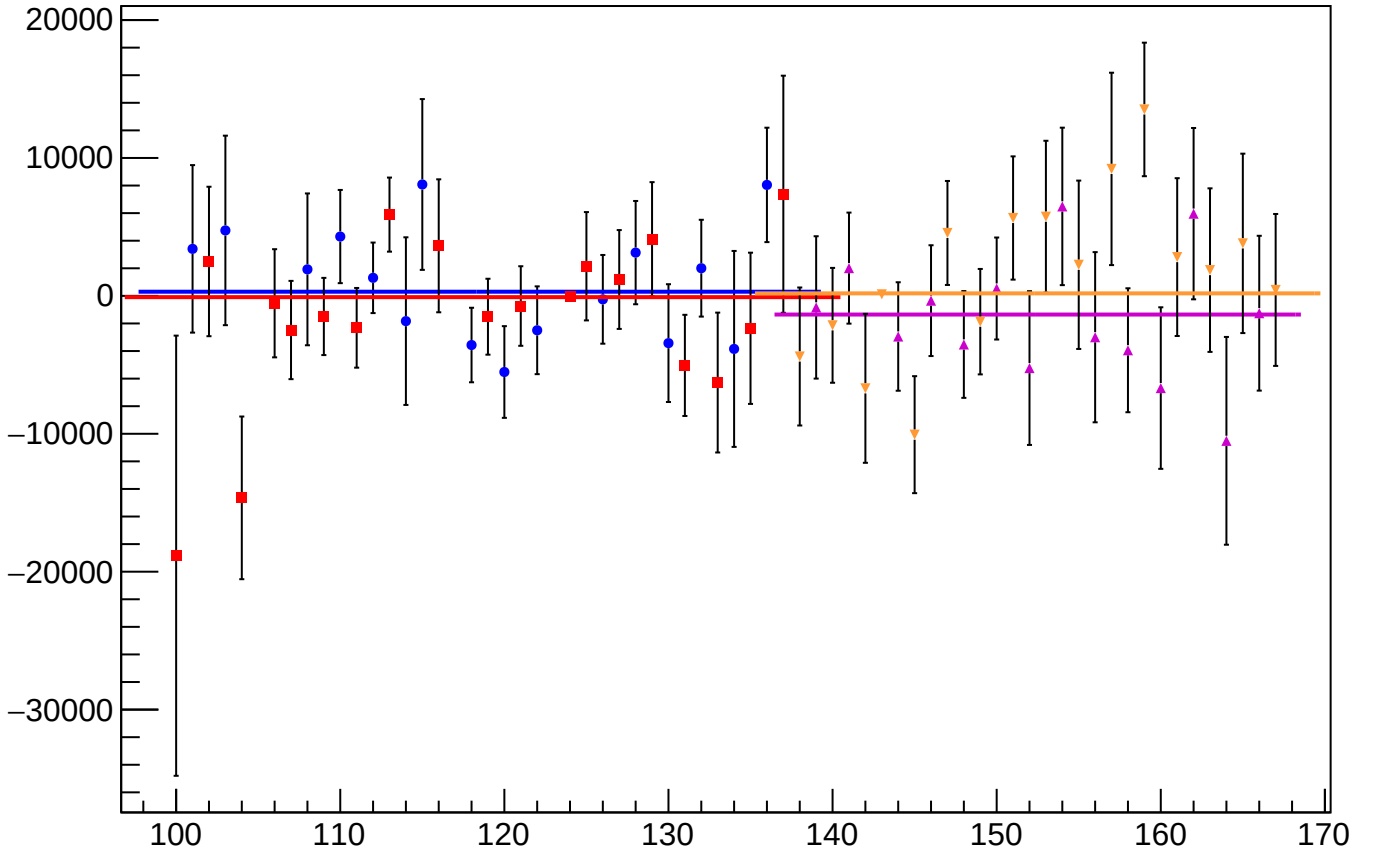
Left: 1770.775+/-0.255 χ^2/NDF: 330731.6/29

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1716.623+/-0.281 χ^2/NDF:193514.6/29

Out: 1749.132+/-0.279 χ^2/NDF:720965.4/34

All: 1733.009+/-0.198 χ^2/NDF: 921229.7/64



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 182.028+/-350.105 χ^2/NDF:22.8/15

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1353.610+/-1281.654 χ^2/NDF:8.0/13

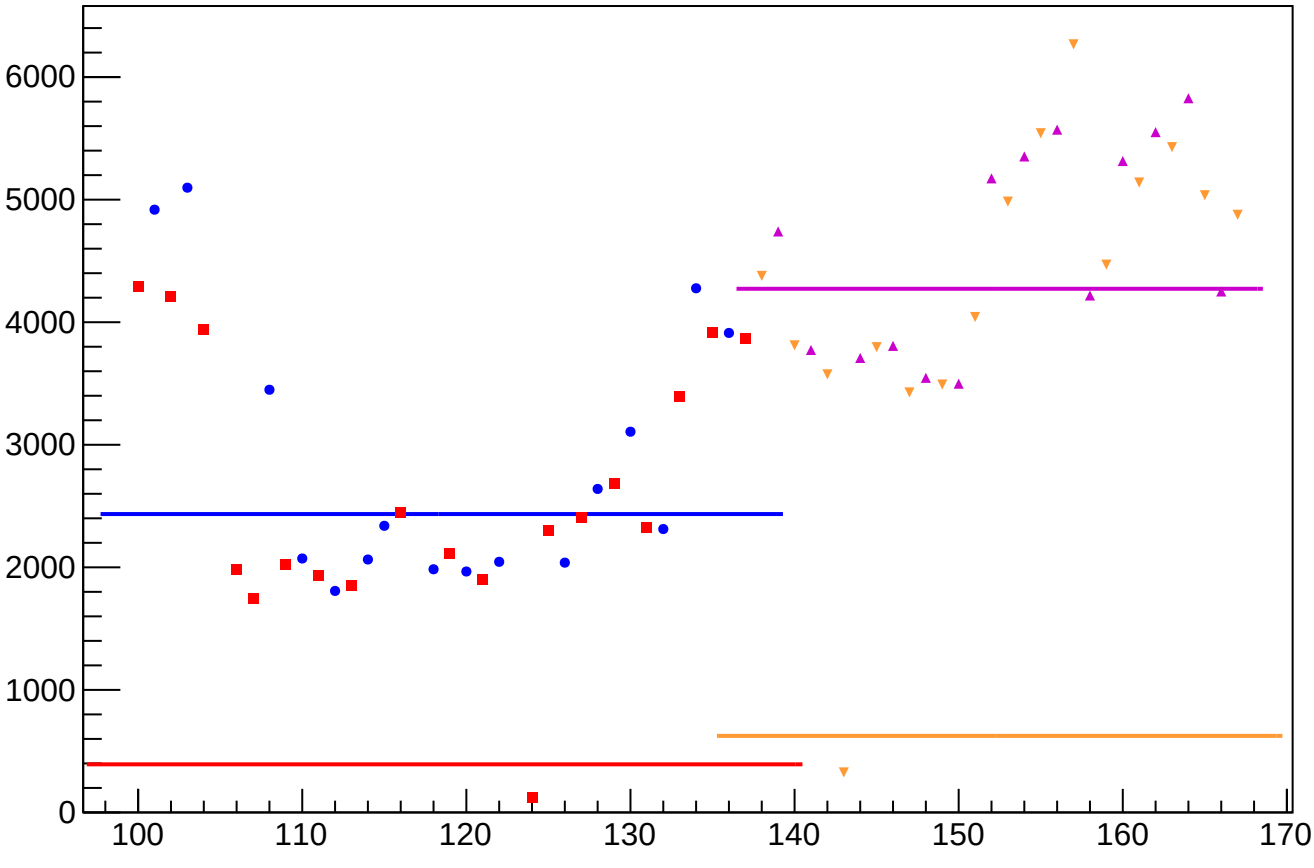
Left: 75.395+/-337.731 χ^2/NDF: 32.1/29

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -293.894+/-768.845 χ^2/NDF:24.4/29

Out: 30.782+/-234.480 χ^2/NDF:43.7/34

All: 3.154+/-224.281 χ^2/NDF: 68.3/64



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 624.884+/-0.248 χ^2/NDF:18544033.2/15

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4272.875+/-0.906 χ^2/NDF:719271.6/13

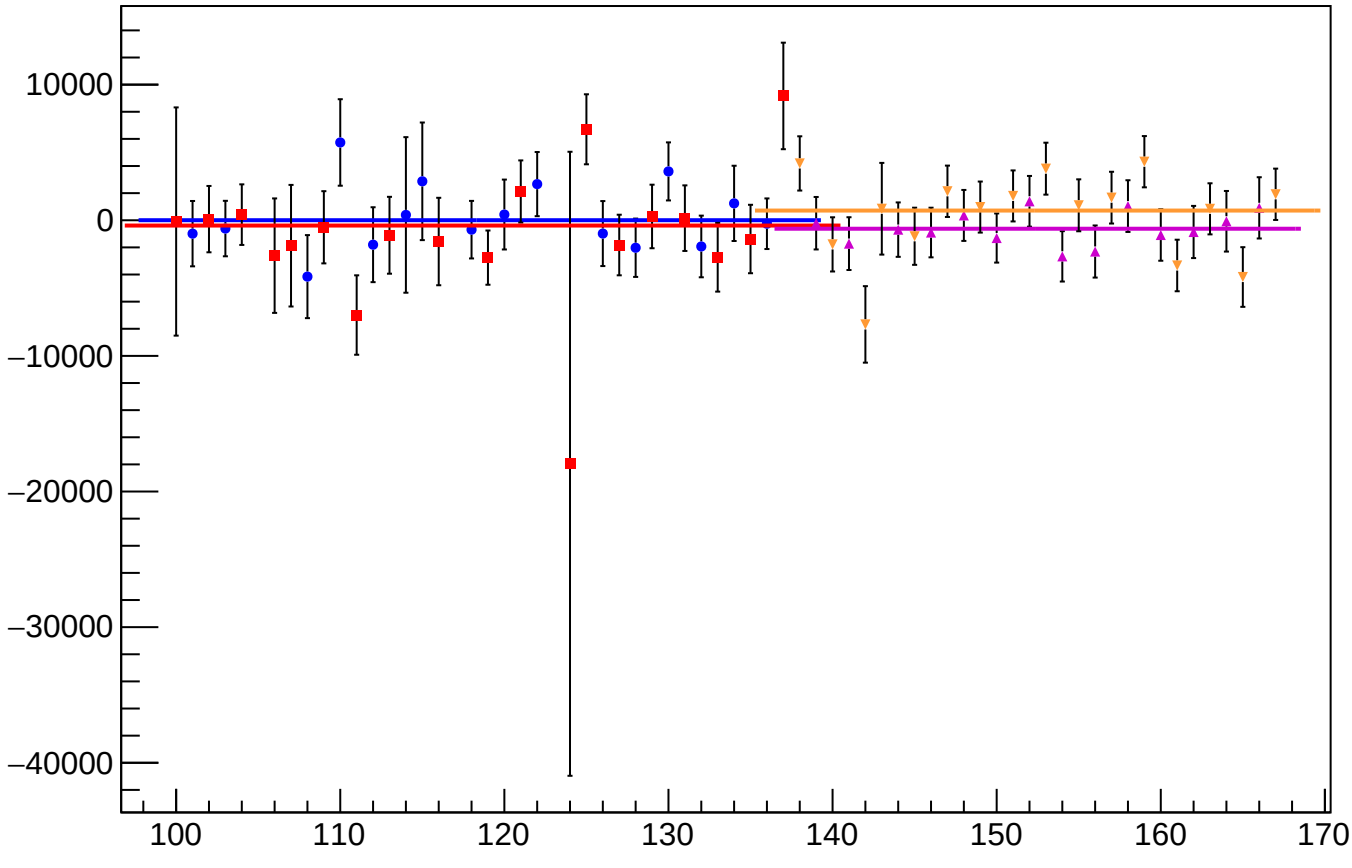
Left: 878.195+/-0.239 χ^2/NDF: 34341205.9/29

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3096.226+/-0.544 χ^2/NDF:4808646.3/29

Out: 496.828+/-0.166 χ^2/NDF:30437251.8/34

All: 718.026+/-0.159 χ^2/NDF: 56161665.7/64



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 716.260+/-504.582 χ^2/NDF:31.6/15

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -624.404+/-517.585 χ^2/NDF:5.3/13

Left: 62.979+/-361.303 χ^2/NDF: 40.3/29

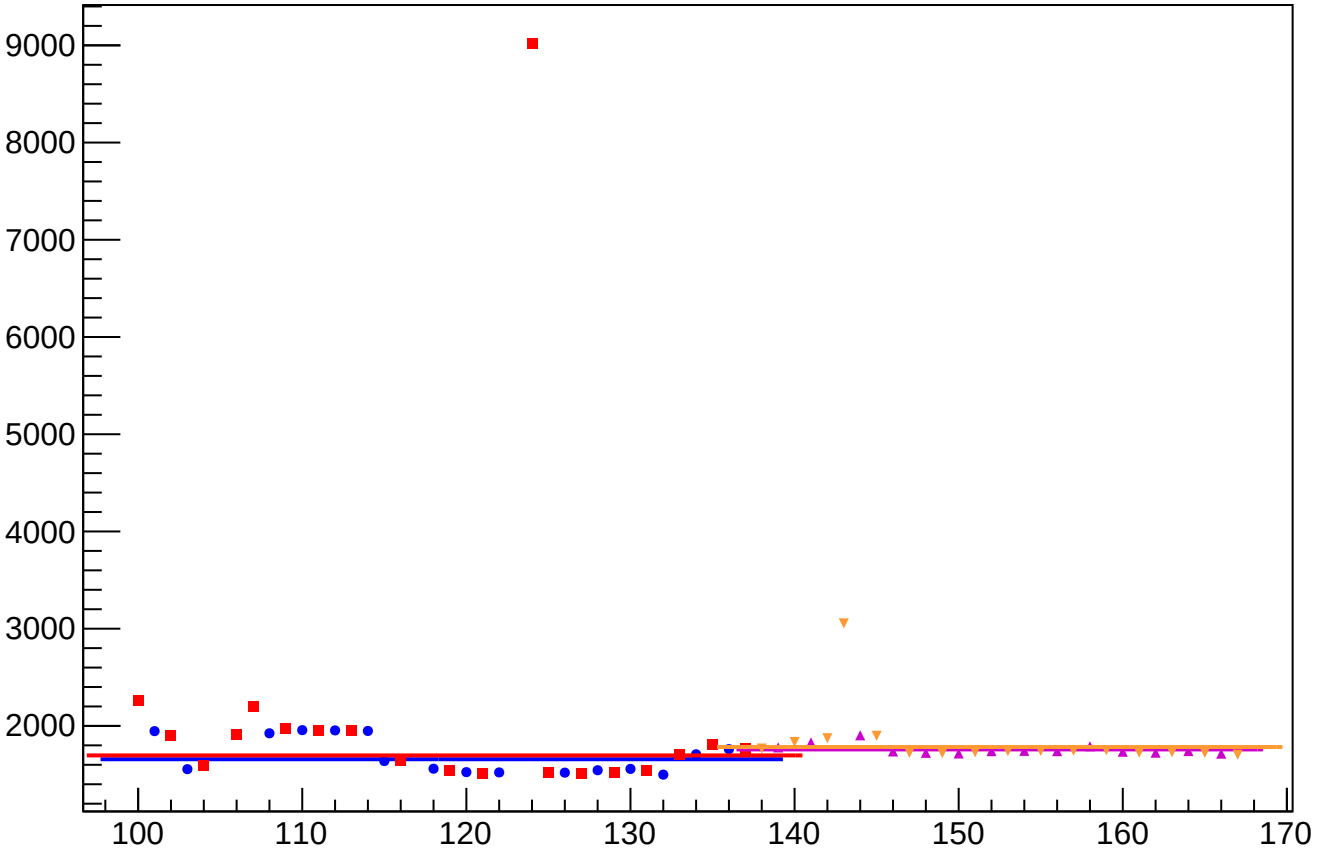
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -366.154+/-397.305 χ^2/NDF:18.4/29

Out: 287.379+/-394.731 χ^2/NDF:57.5/34

All: -37.264+/-280.023 χ^2/NDF: 77.2/64

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1782.817+/-0.357 χ^2/NDF:310135.6/15

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1758.104+/-0.366 χ^2/NDF:18258.3/13

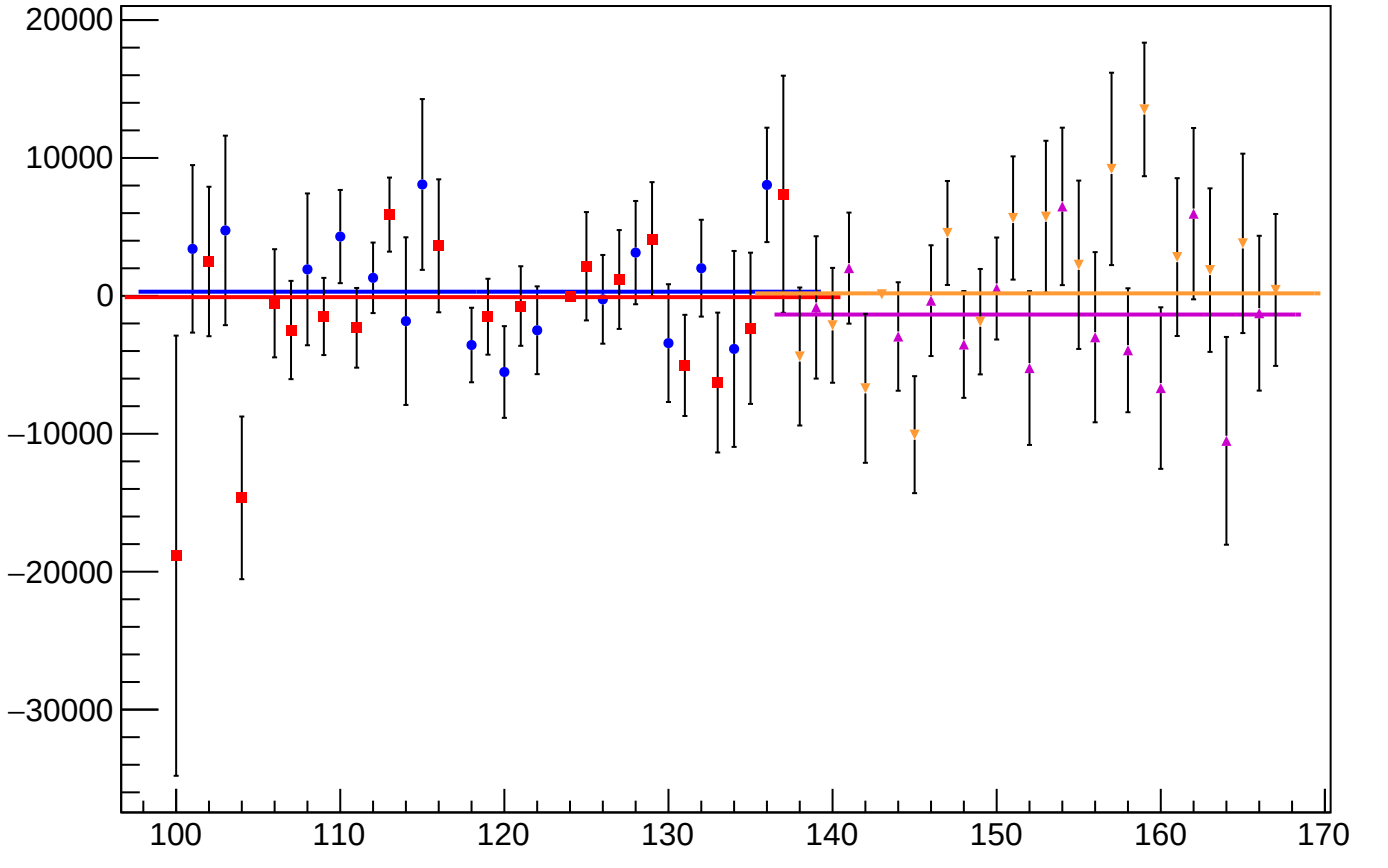
Left: 1770.775+/-0.255 χ^2/NDF: 330731.6/29

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1716.623+/-0.281 χ^2/NDF:193514.6/29

Out: 1749.132+/-0.279 χ^2/NDF:720965.4/34

All: 1733.009+/-0.198 χ^2/NDF: 921229.7/64



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 182.028+/-350.105 χ^2/NDF:22.8/15

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1353.610+/-1281.654 χ^2/NDF:8.0/13

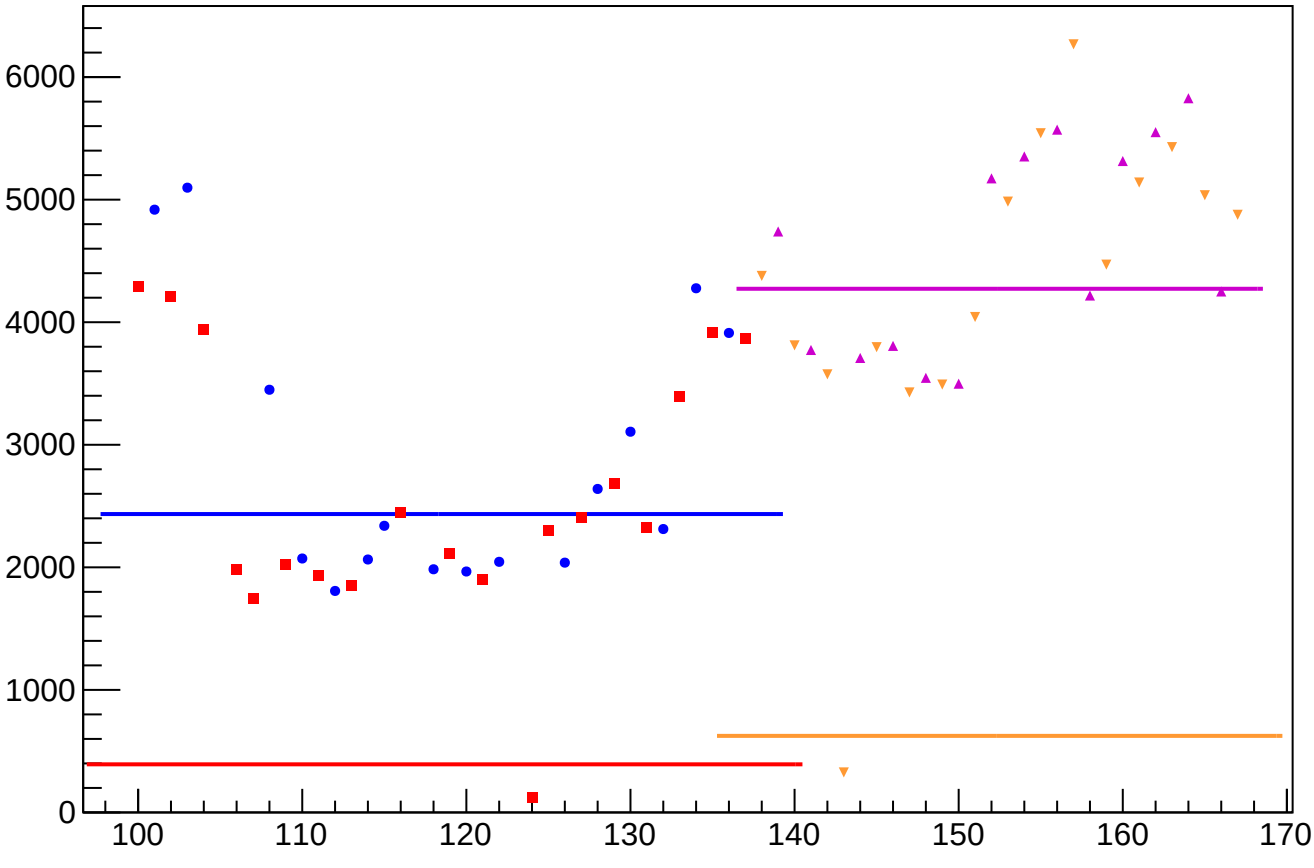
Left: 75.395+/-337.731 χ^2/NDF: 32.1/29

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -293.894+/-768.845 χ^2/NDF:24.4/29

Out: 30.782+/-234.480 χ^2/NDF:43.7/34

All: 3.154+/-224.281 χ^2/NDF: 68.3/64



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 624.884+/-0.248 χ^2/NDF:18544033.2/15

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4272.875+/-0.906 χ^2/NDF:719271.6/13

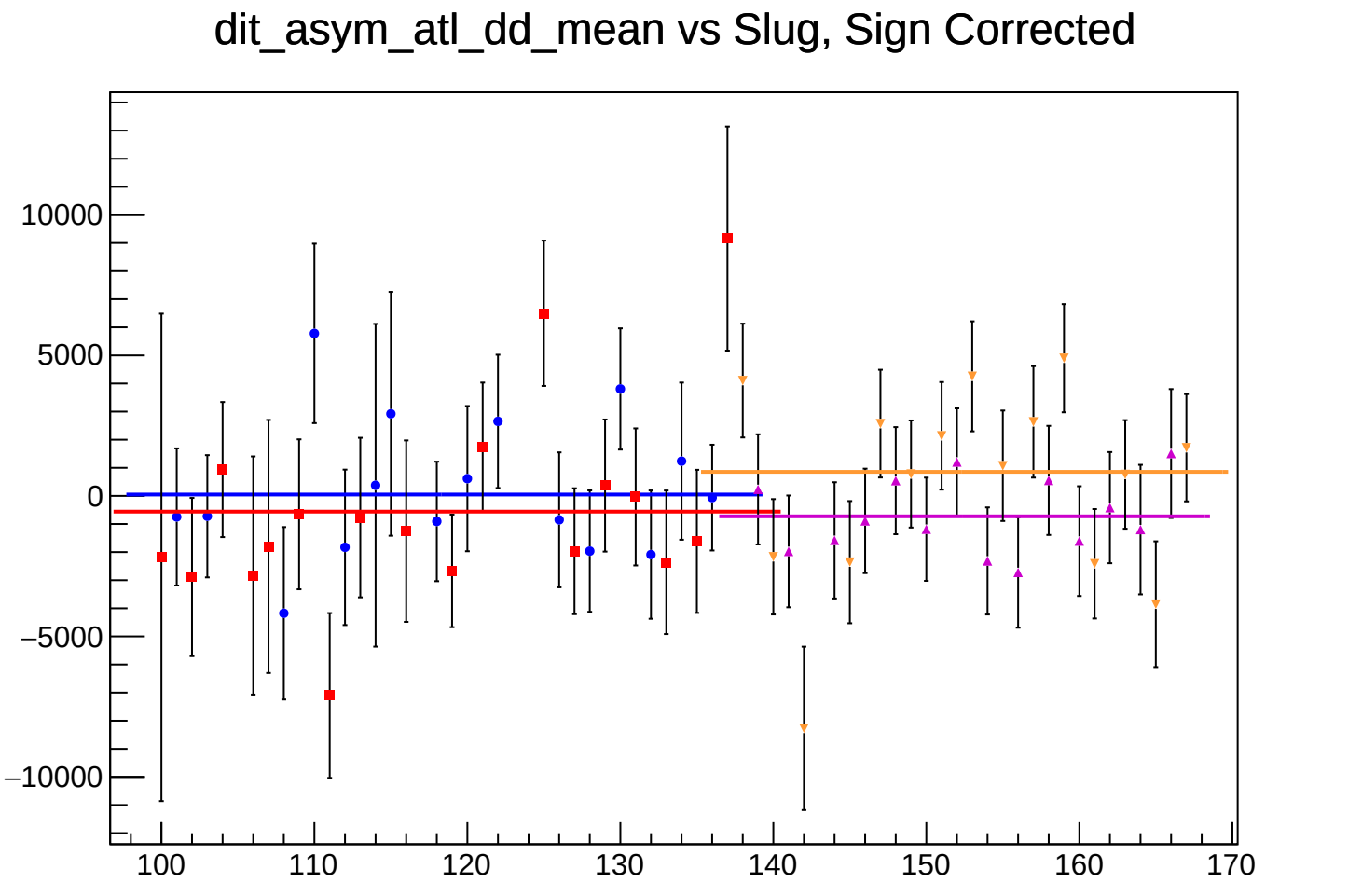
Left: 878.195+/-0.239 χ^2/NDF: 34341205.9/29

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3096.226+/-0.544 χ^2/NDF:4808646.3/29

Out: 496.828+/-0.166 χ^2/NDF:30437251.8/34

All: 718.026+/-0.159 χ^2/NDF: 56161665.7/64



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 856.278+/-521.234 χ^2/NDF:33.7/14

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -727.206+/-528.667 χ^2/NDF:5.7/13

Left: 75.746+/-371.168 χ^2/NDF: 44.0/28

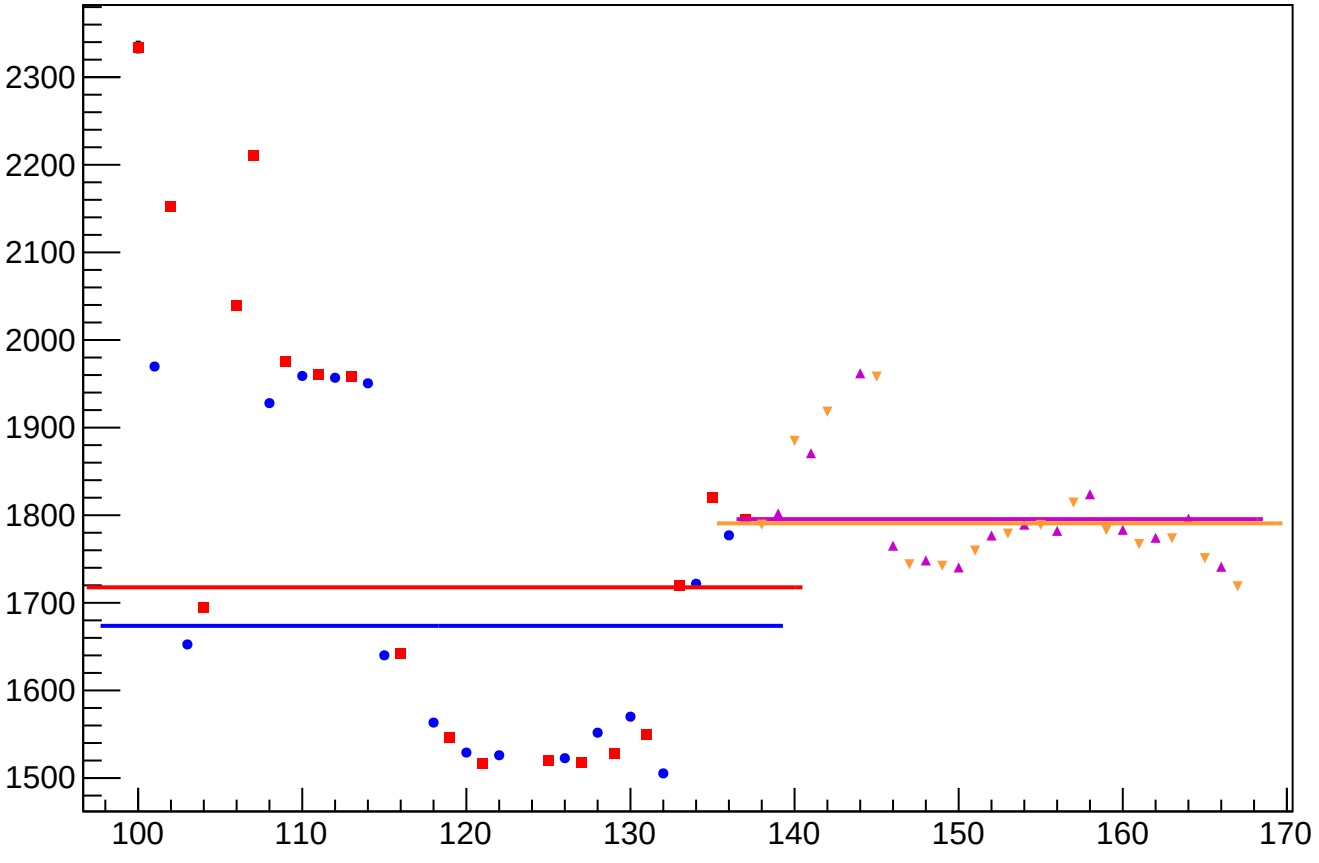
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -404.441+/-403.944 χ^2/NDF:19.4/29

Out: 297.231+/-405.478 χ^2/NDF:59.9/32

All: -54.935+/-286.172 χ^2/NDF: 80.9/62

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1790.716+/-0.369 χ^2/NDF:27235.4/14

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1795.537+/-0.374 χ^2/NDF:21567.1/13

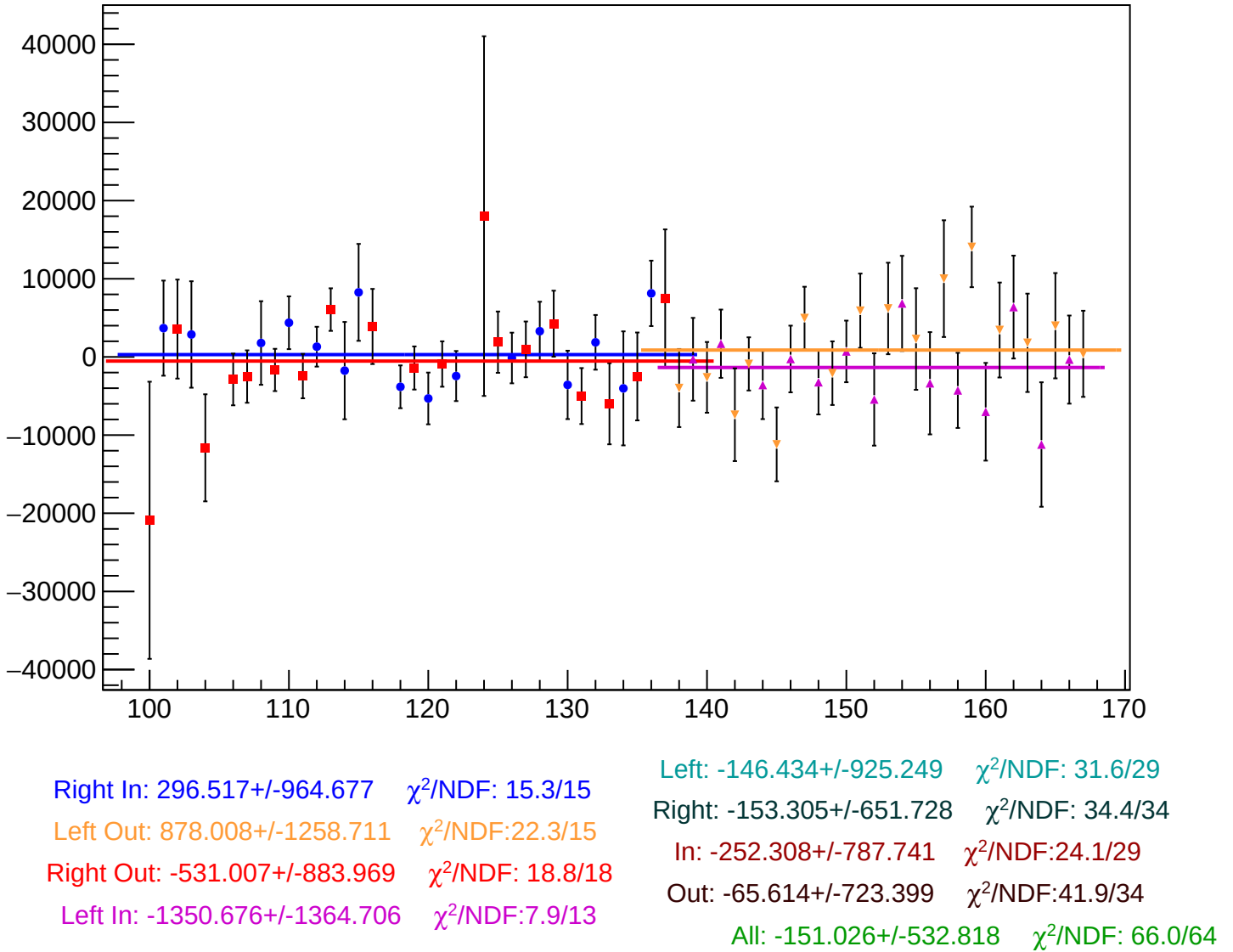
Left: 1793.092+/-0.262 χ^2/NDF: 48886.8/28

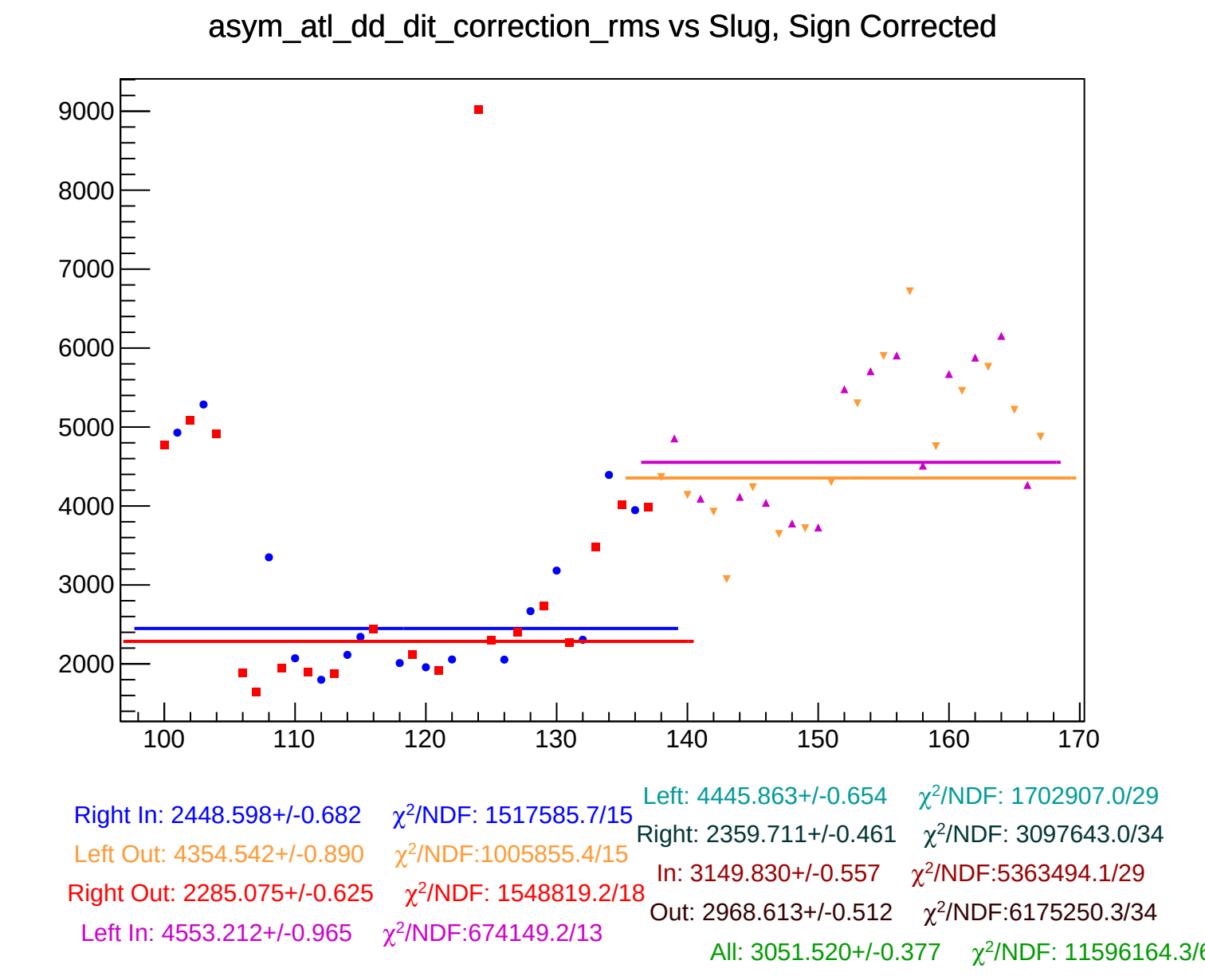
Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

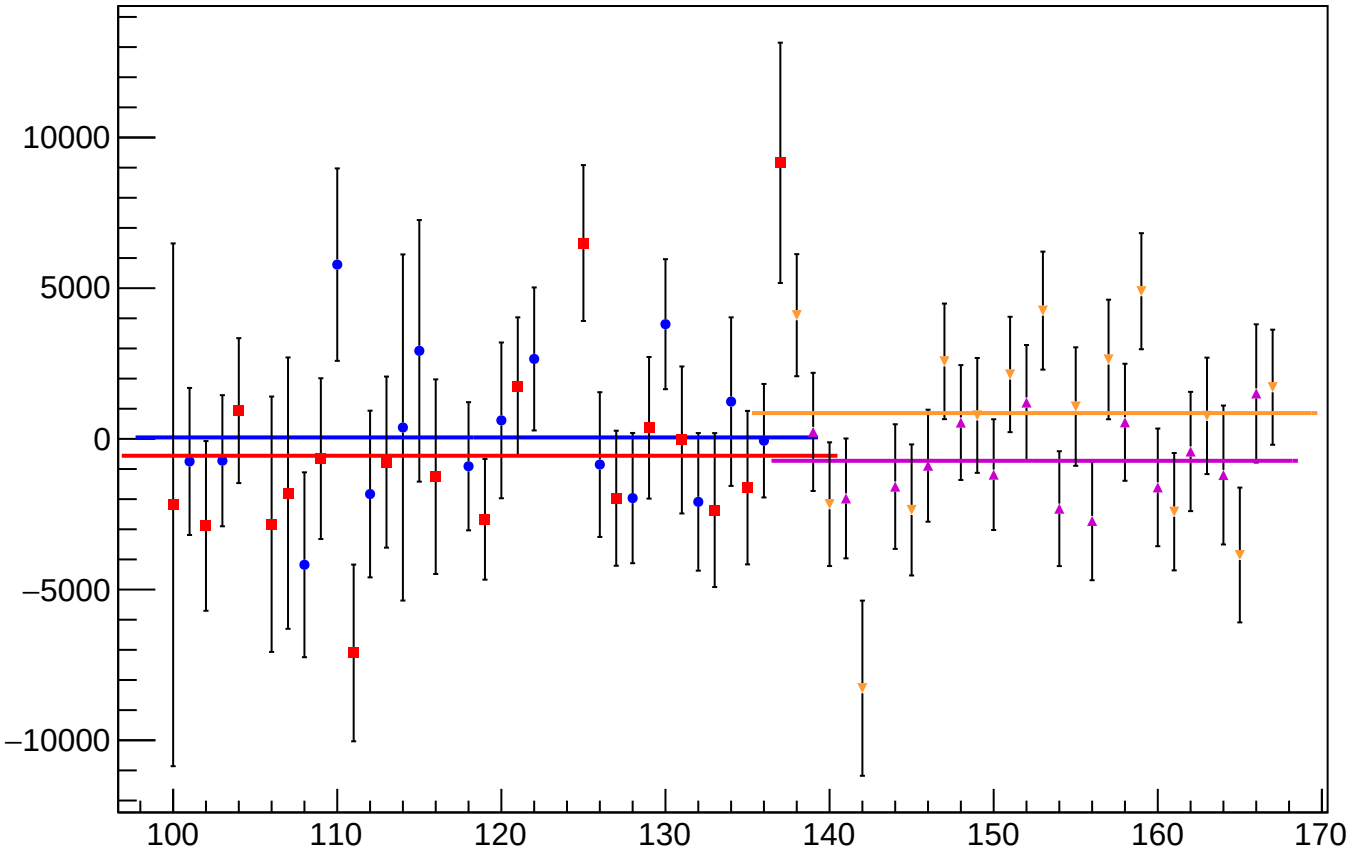
In: 1744.842+/-0.286 χ^2/NDF:206628.0/29

Out: 1761.811+/-0.286 χ^2/NDF:270411.3/32

All: 1753.302+/-0.202 χ^2/NDF: 478798.8/62


asym_atl_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 296.517+/-964.677 χ²/NDF: 15.3/15
Left Out: 878.008+/-1258.711 χ²/NDF:22.3/15
Right Out: -531.007+/-883.969 χ²/NDF: 18.8/18
Left In: -1350.676+/-1364.706 χ²/NDF:7.9/13
Left: -146.434+/-925.249 χ²/NDF: 31.6/29
Right: -153.305+/-651.728 χ²/NDF: 34.4/34
In: -252.308+/-787.741 χ²/NDF:24.1/29
Out: -65.614+/-723.399 χ²/NDF:41.9/34
All: -151.026+/-532.818 χ²/NDF: 66.0/64


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 2448.598+/-0.682 χ²/NDF: 1517585.7/15
Left Out: 4354.542+/-0.890 χ²/NDF:1005855.4/15
Right Out: 2285.075+/-0.625 χ²/NDF: 1548819.2/18
Left In: 4553.212+/-0.965 χ²/NDF:674149.2/13
Left: 4445.863+/-0.654 χ²/NDF: 1702907.0/29
Right: 2359.711+/-0.461 χ²/NDF: 3097643.0/34
In: 3149.830+/-0.557 χ²/NDF:5363494.1/29
Out: 2968.613+/-0.512 χ²/NDF:6175250.3/34
All: 3051.520+/-0.377 χ²/NDF: 11596164.3/6



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 856.282+/-521.234 χ^2/NDF:33.7/14

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -727.207+/-528.667 χ^2/NDF:5.7/13

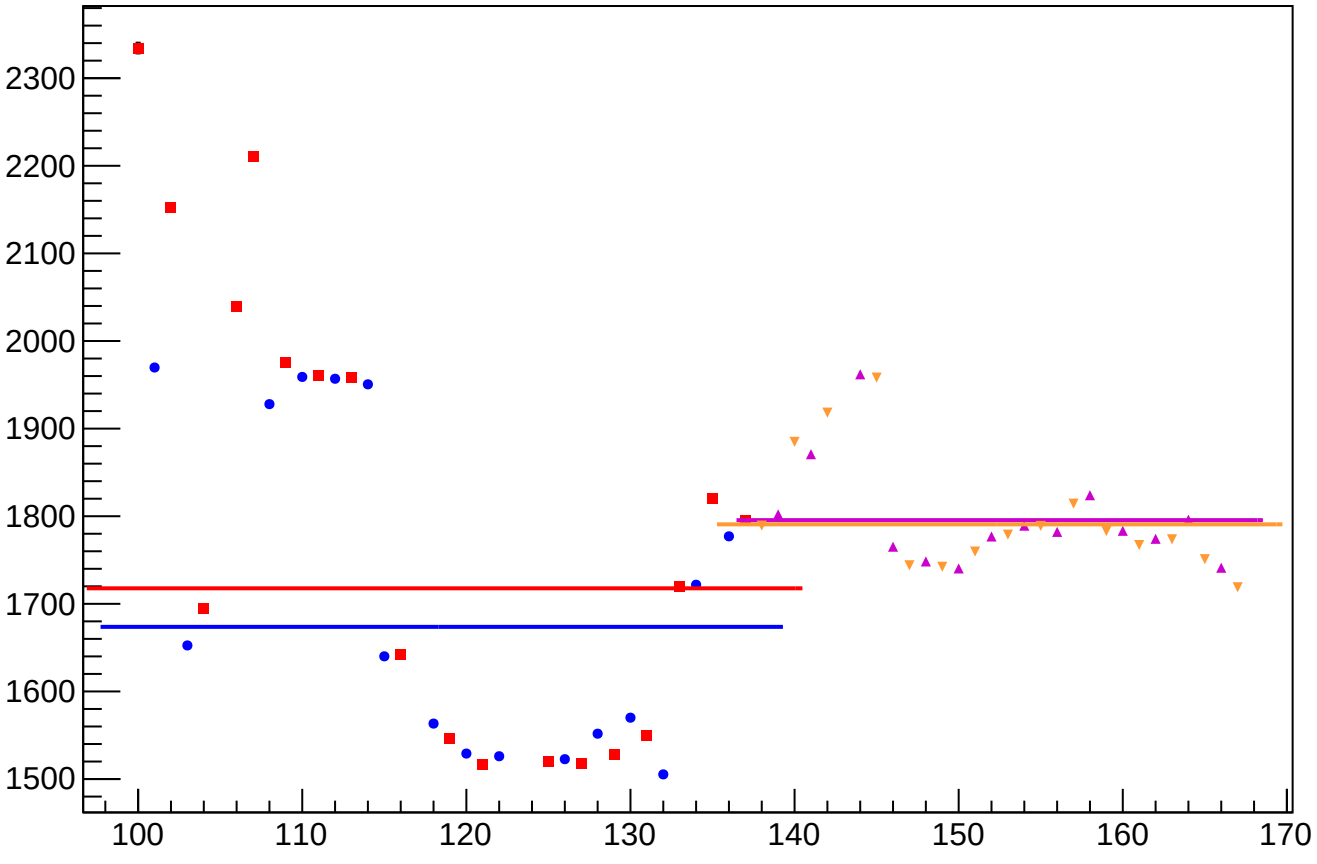
Left: 75.748+/-371.168 χ^2/NDF: 44.0/28

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -404.442+/-403.944 χ^2/NDF:19.4/29

Out: 297.232+/-405.478 χ^2/NDF:59.9/32

All: -54.935+/-286.172 χ^2/NDF: 80.9/62



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1790.717+/-0.369 χ^2/NDF:27235.9/14

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1795.538+/-0.374 χ^2/NDF:21567.4/13

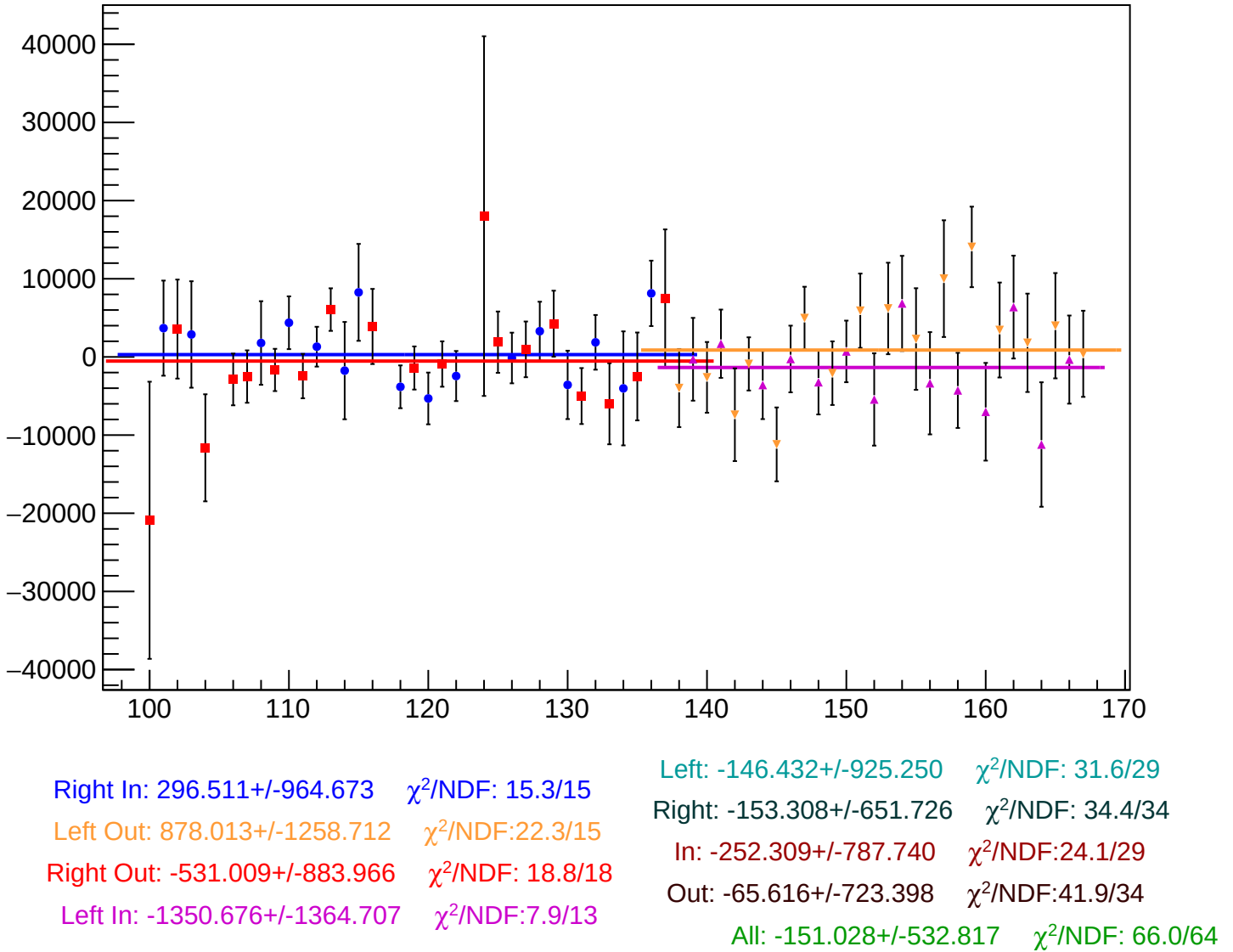
Left: 1793.093+/-0.262 χ^2/NDF: 48887.6/28

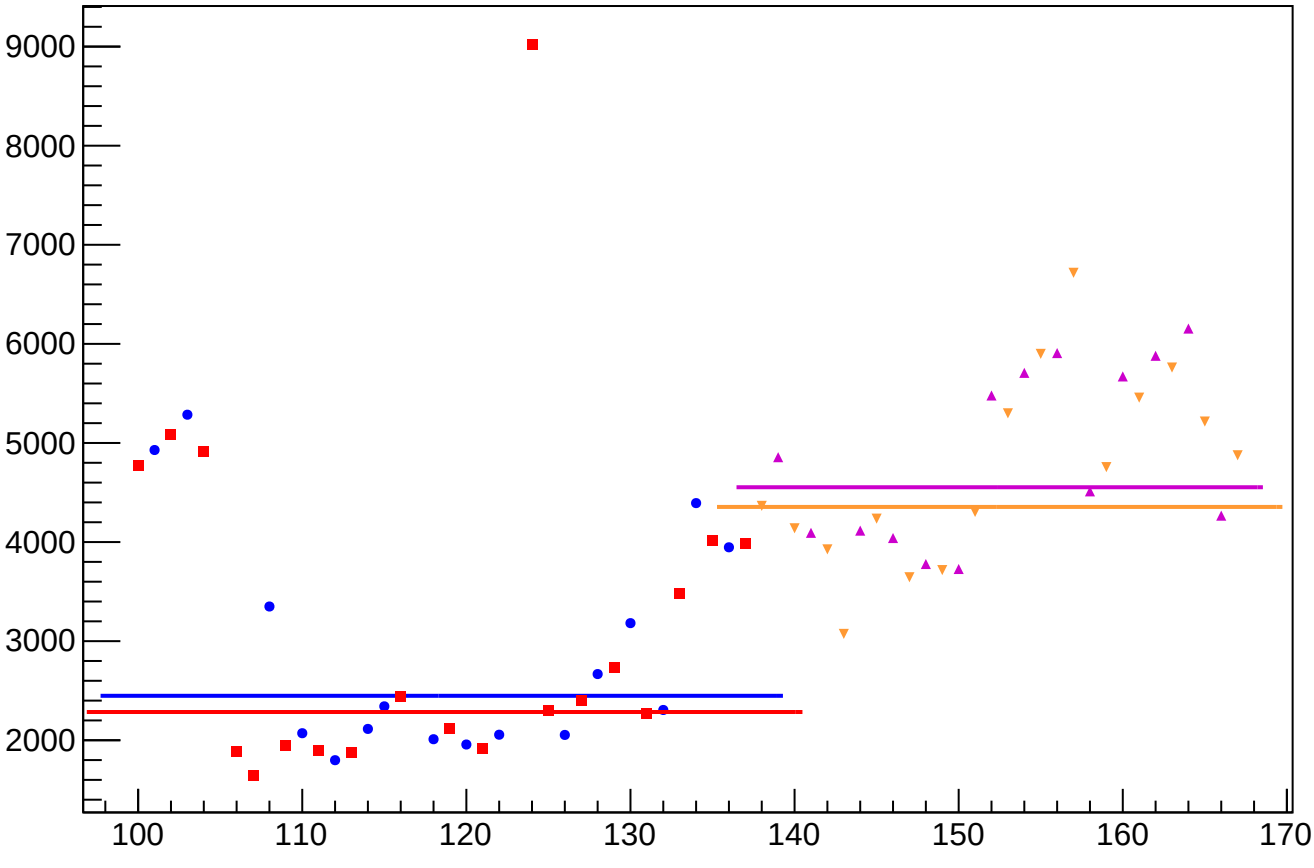
Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1744.843+/-0.286 χ^2/NDF:206629.1/29

Out: 1761.811+/-0.286 χ^2/NDF:270411.6/32

All: 1753.303+/-0.202 χ^2/NDF: 478800.2/62


asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 296.511+/-964.673 χ²/NDF: 15.3/15
Left Out: 878.013+/-1258.712 χ²/NDF:22.3/15
Right Out: -531.009+/-883.966 χ²/NDF: 18.8/18
Left In: -1350.676+/-1364.707 χ²/NDF:7.9/13
Left: -146.432+/-925.250 χ²/NDF: 31.6/29
Right: -153.308+/-651.726 χ²/NDF: 34.4/34
In: -252.309+/-787.740 χ²/NDF:24.1/29
Out: -65.616+/-723.398 χ²/NDF:41.9/34
All: -151.028+/-532.817 χ²/NDF: 66.0/64



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4354.547+/-0.890 χ^2/NDF:1005860.2/15

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4553.217+/-0.965 χ^2/NDF:674151.8/13

Left: 4445.868+/-0.654 χ^2/NDF: 1702914.5/29

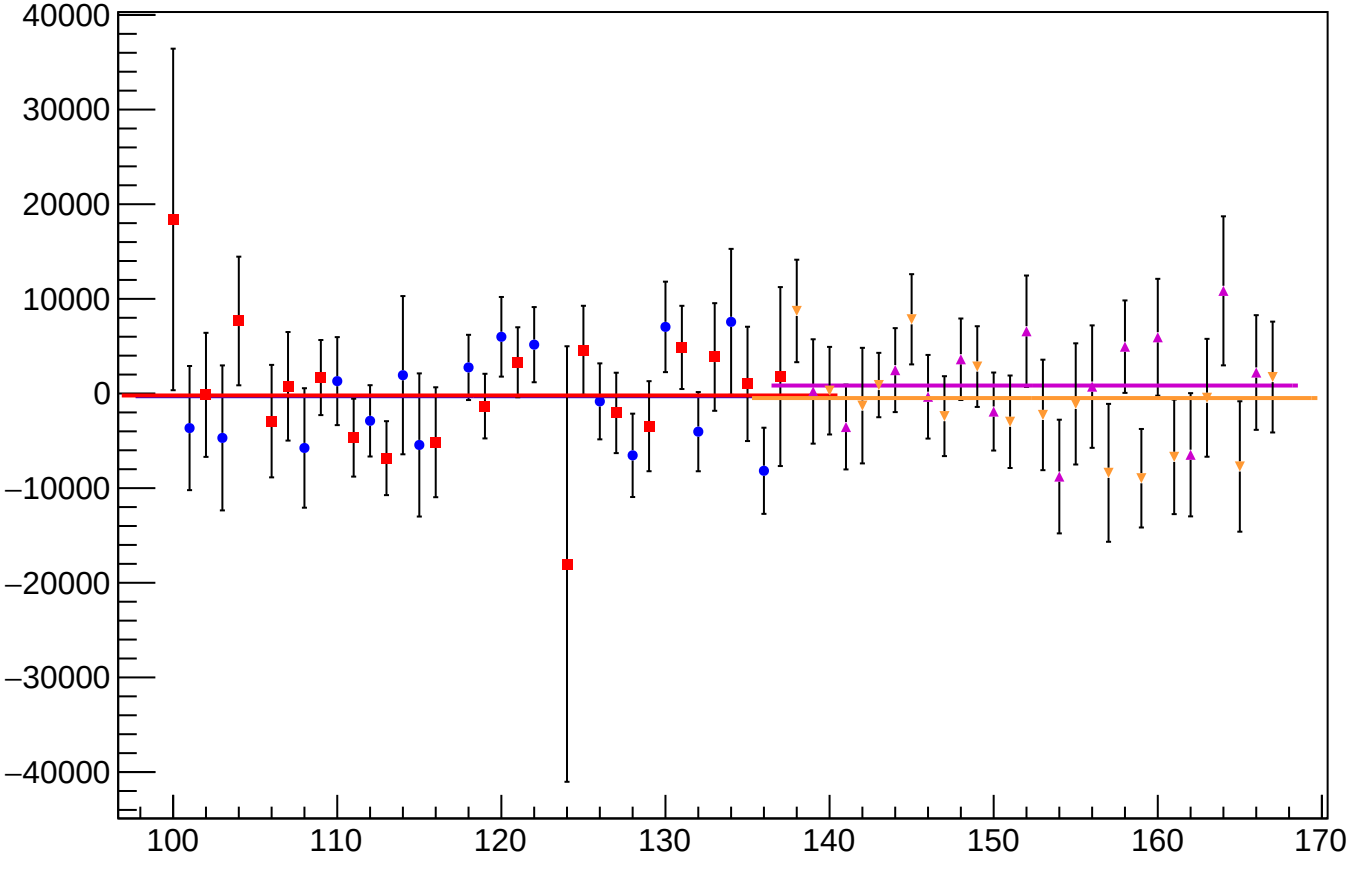
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3149.820+/-0.557 χ^2/NDF:5363561.8/29

Out: 2968.605+/-0.512 χ^2/NDF:6175313.2/34

All: 3051.510+/-0.377 χ^2/NDF: 11596294.1/6

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -482.492+/-1286.856 χ^2/NDF:13.4/15

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 841.179+/-1396.068 χ^2/NDF:9.9/13

Left: 125.551+/-946.202 χ^2/NDF: 23.8/29

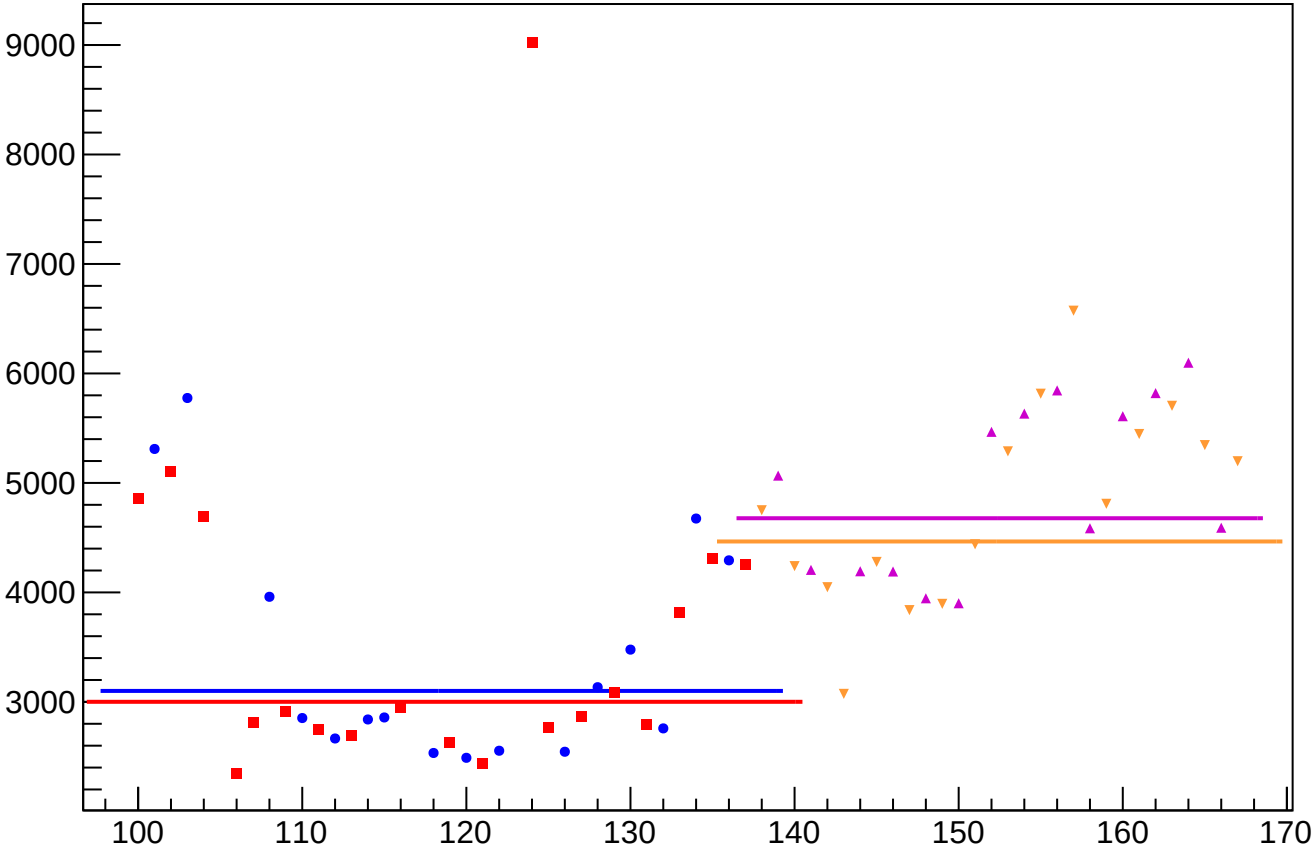
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: 190.985+/-908.859 χ^2/NDF:26.8/29

Out: -331.136+/-859.038 χ^2/NDF:26.3/34

All: -84.778+/-624.302 χ^2/NDF: 53.3/64

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4465.217+/-0.910 χ^2/NDF:938178.4/15

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4677.471+/-0.987 χ^2/NDF:534017.2/13

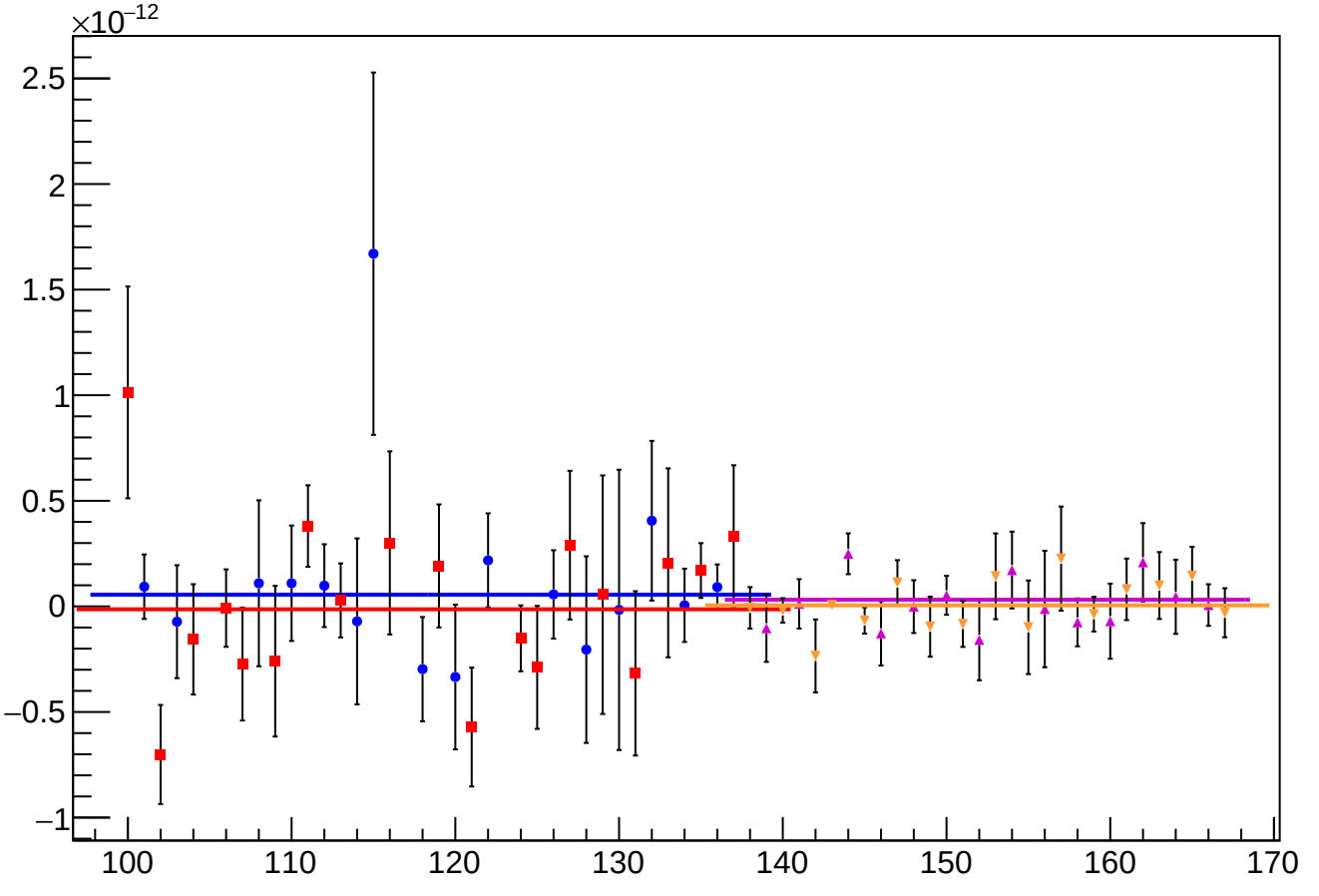
Left: 4562.718+/-0.669 χ^2/NDF: 1497189.9/29

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3768.639+/-0.643 χ^2/NDF:2968730.0/29

Out: 3643.527+/-0.603 χ^2/NDF:3198085.7/34

All: 3702.087+/-0.440 χ^2/NDF: 6186975.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/13

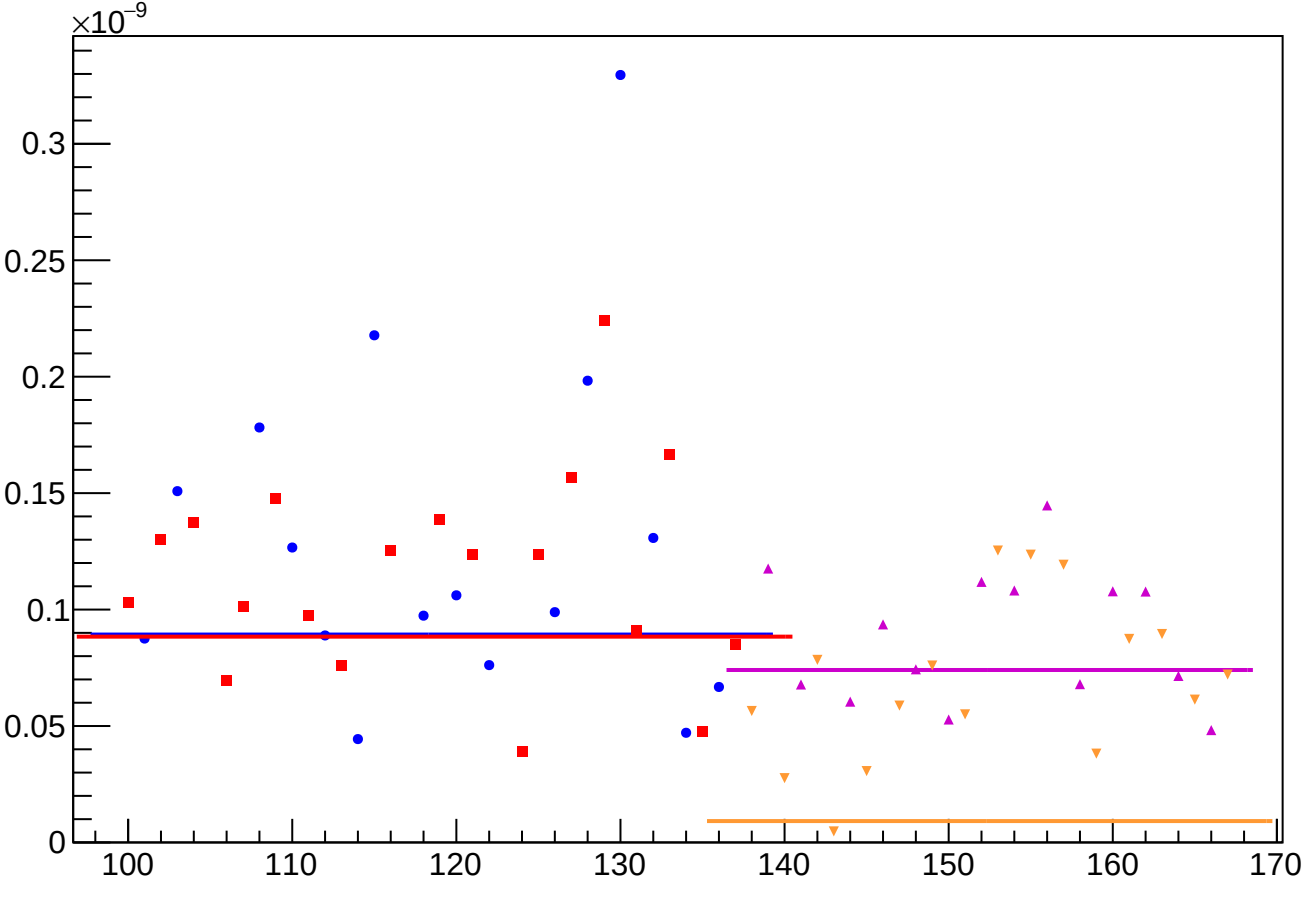
Left: 0.000+/-0.000 χ^2/NDF: 20.6/29

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:20.3/29

Out: 0.000+/-0.000 χ^2/NDF:39.3/34

All: 0.000+/-0.000 χ^2/NDF: 60.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6755471.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:896464.6/13

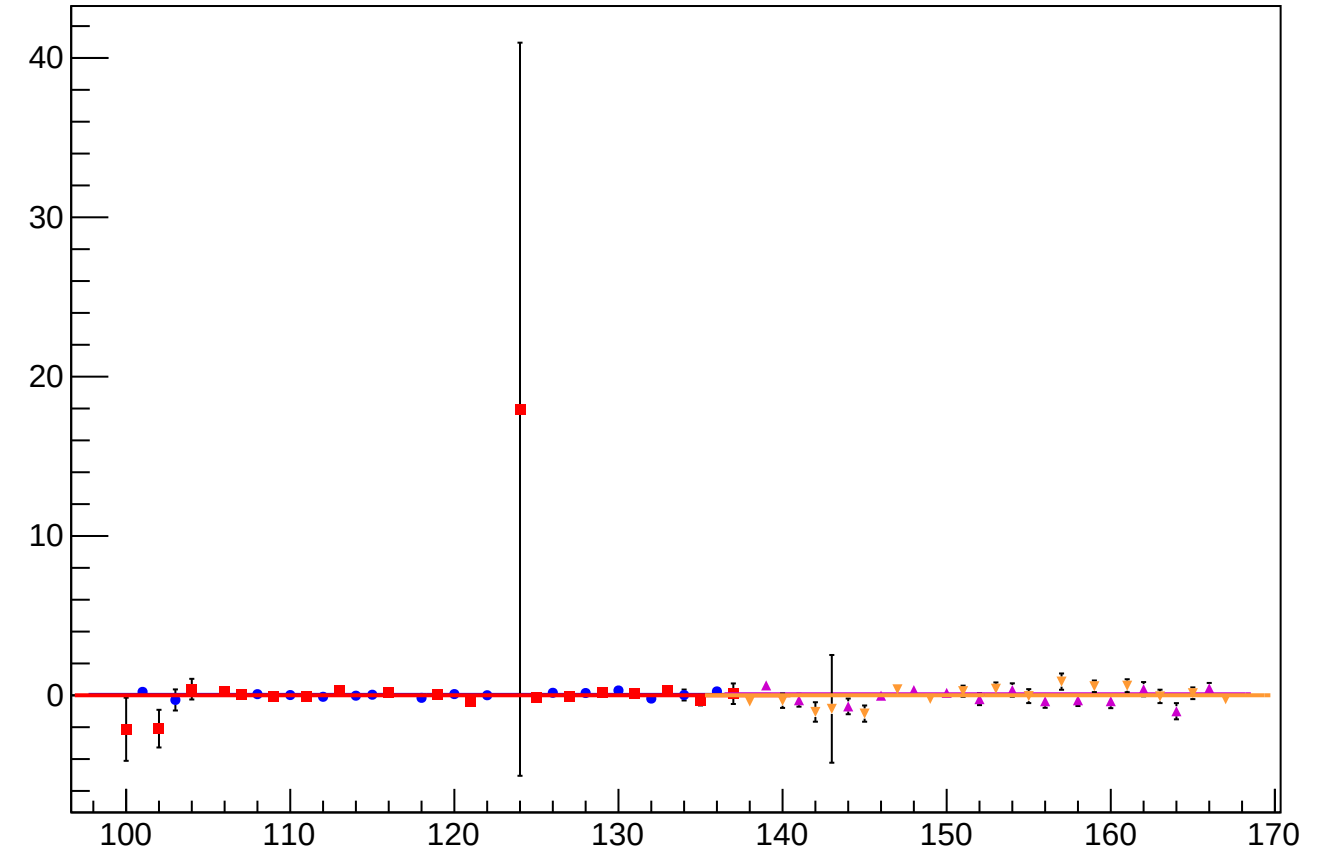
Left: 0.000+/-0.000 χ^2/NDF: 13939505.5/29

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1949949.4/29

Out: 0.000+/-0.000 χ^2/NDF:11711250.6/34

All: 0.000+/-0.000 χ^2/NDF: 22958529.2/64



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.066+/-0.095 χ^2/NDF:20.1/13

Left: 0.035+/-0.067 χ^2/NDF: 43.1/29

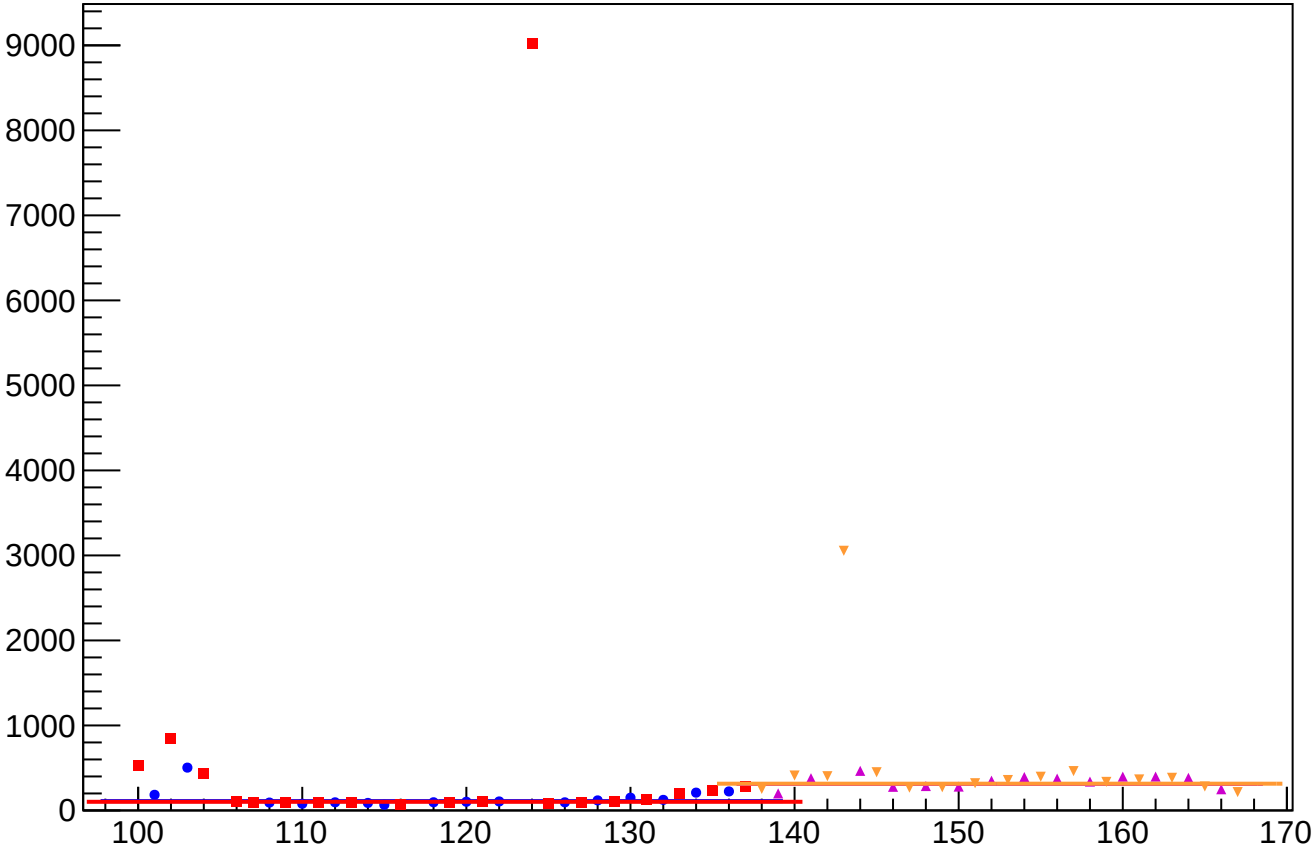
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.035+/-0.041 χ^2/NDF:29.1/29

Out: 0.003+/-0.039 χ^2/NDF:45.2/34

All: 0.019+/-0.028 χ^2/NDF: 74.6/64

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 314.723+/-0.067 χ^2/NDF:2462345.1/15

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 311.293+/-0.067 χ^2/NDF:1180639.0/13

Left: 313.031+/-0.047 χ^2/NDF: 3644294.5/29

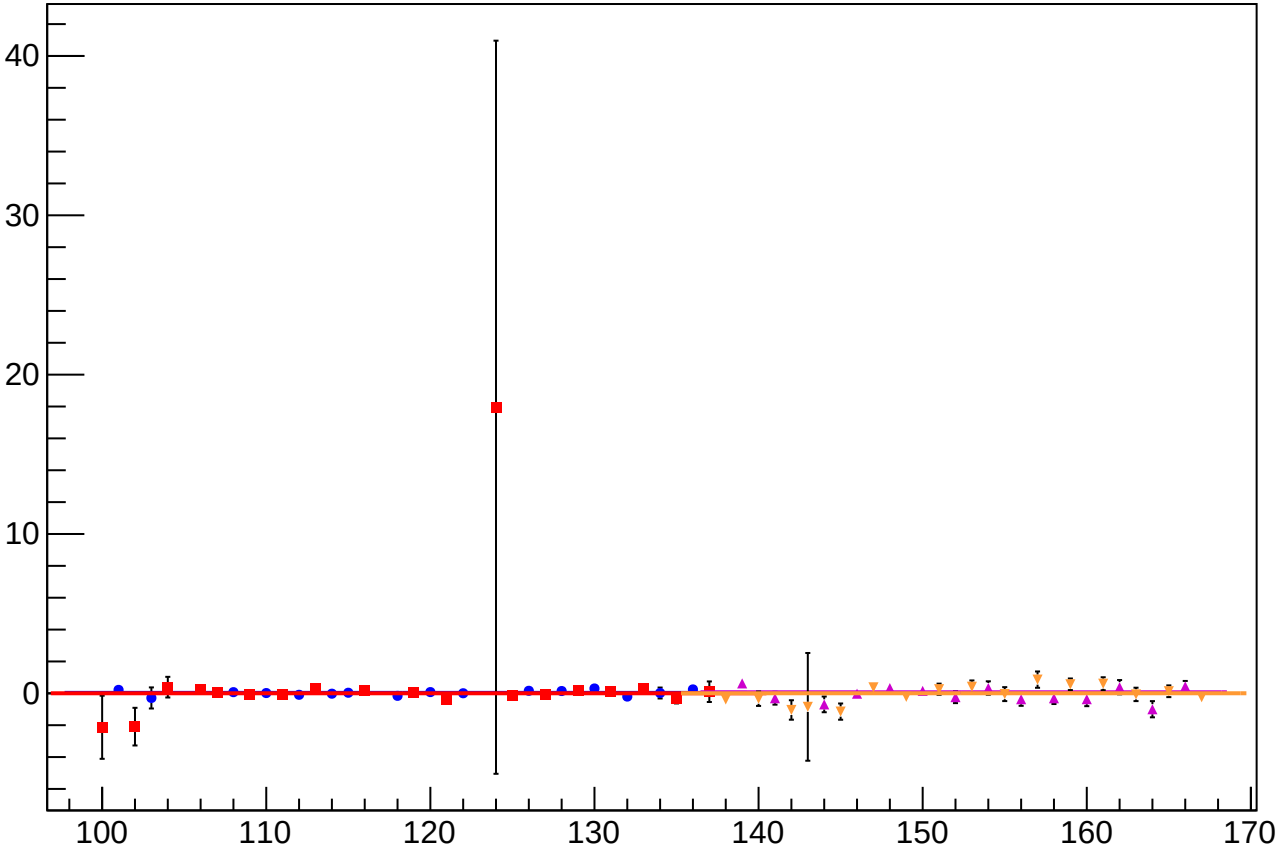
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 147.024+/-0.029 χ^2/NDF:10377245.6/29

Out: 139.157+/-0.028 χ^2/NDF:13495454.3/34

All: 142.941+/-0.020 χ^2/NDF: 23911069.5/64

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.066+/-0.095 χ^2/NDF:20.1/13

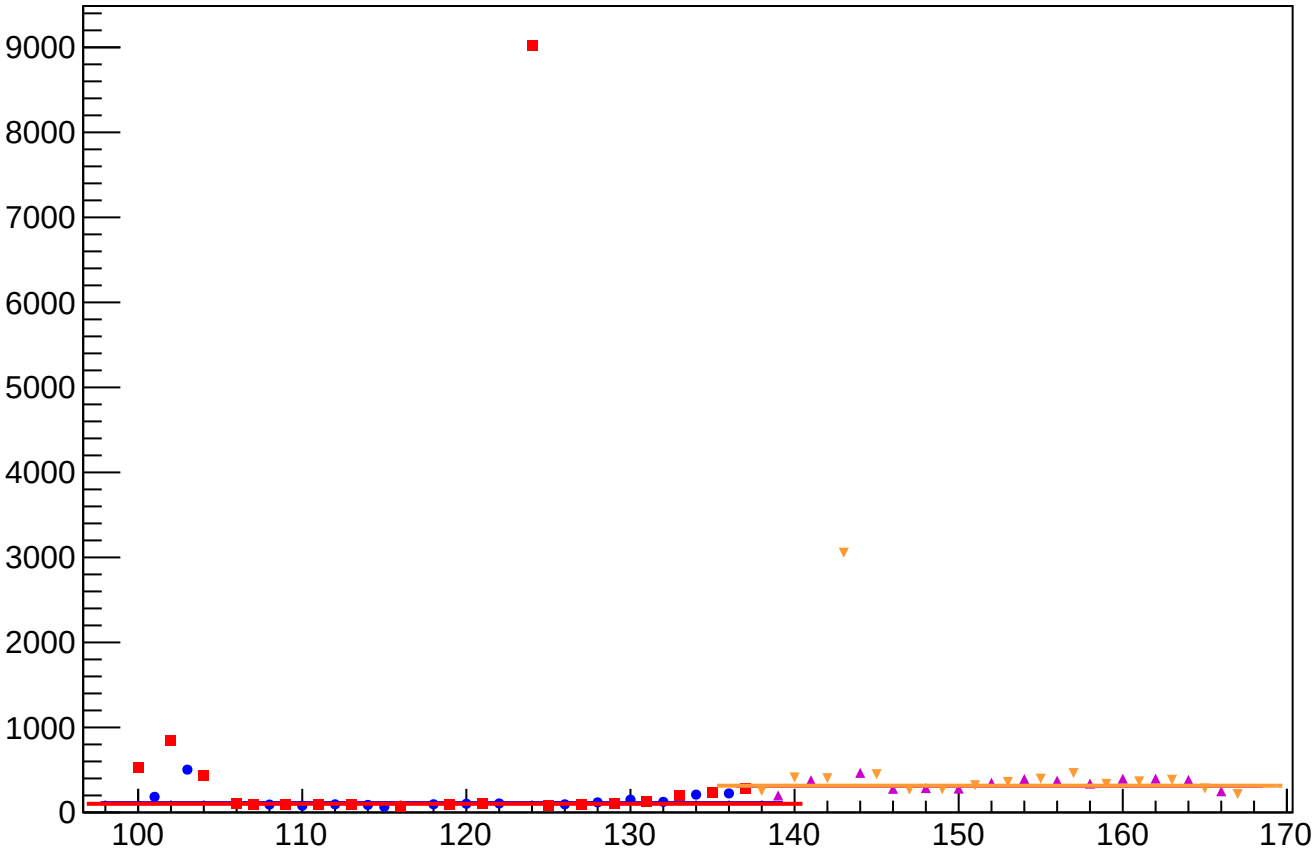
Left: 0.035+/-0.067 χ^2/NDF: 43.1/29

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.035+/-0.041 χ^2/NDF:29.1/29

Out: 0.003+/-0.039 χ^2/NDF:45.2/34

All: 0.019+/-0.028 χ^2/NDF: 74.6/64



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 314.723+/-0.067 χ^2/NDF:2462345.1/15

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 311.293+/-0.067 χ^2/NDF:1180639.0/13

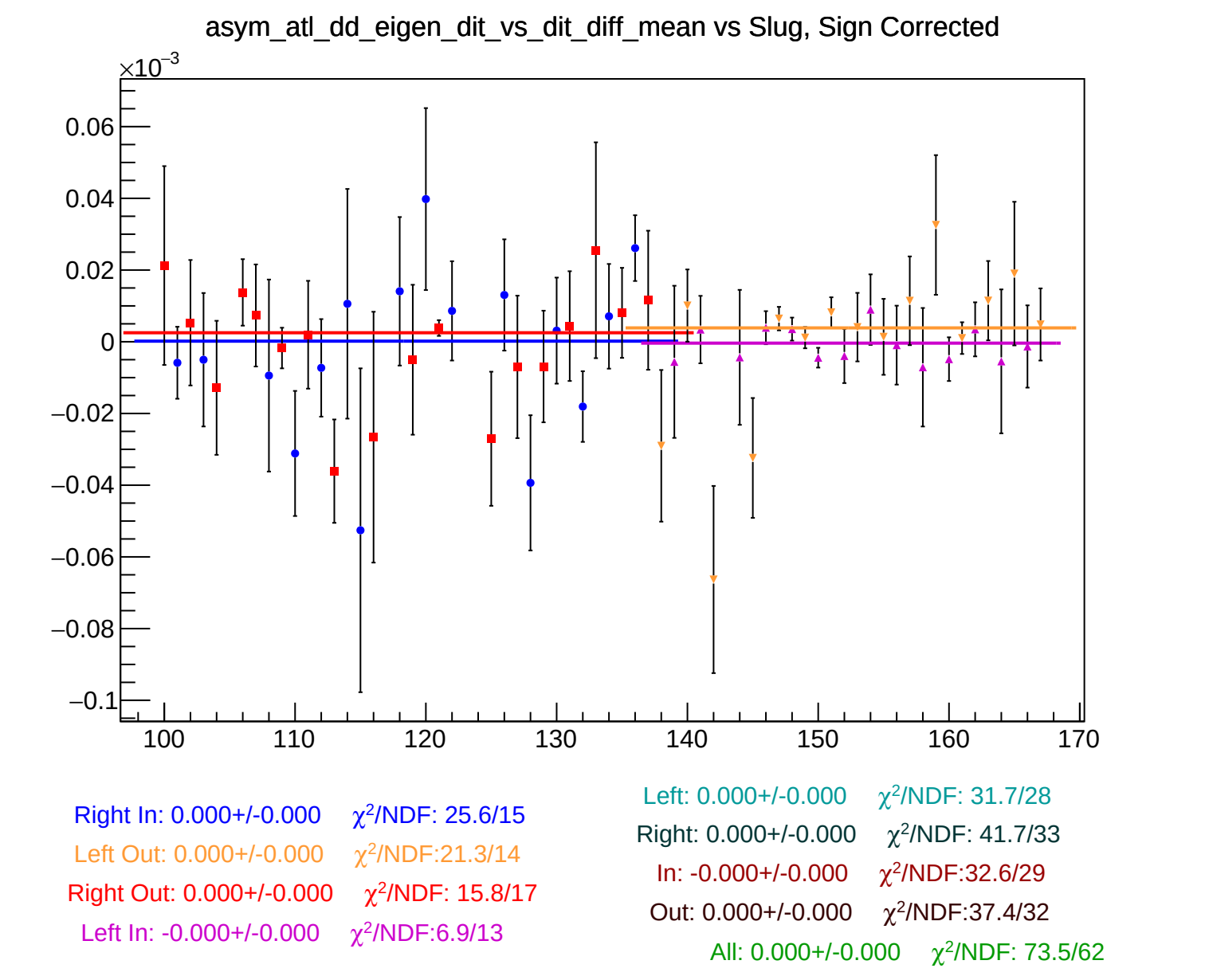
Left: 313.031+/-0.047 χ^2/NDF: 3644294.5/29

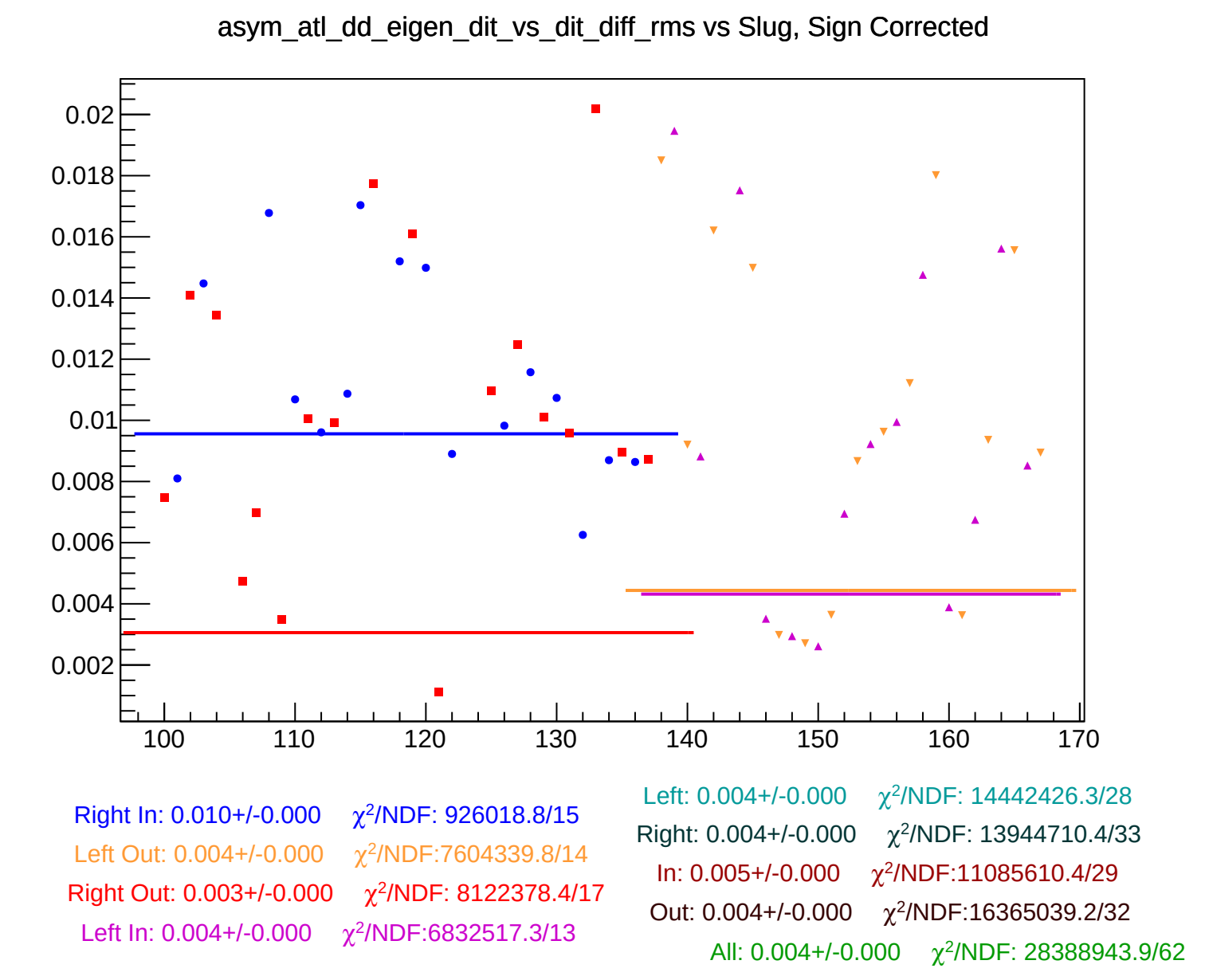
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

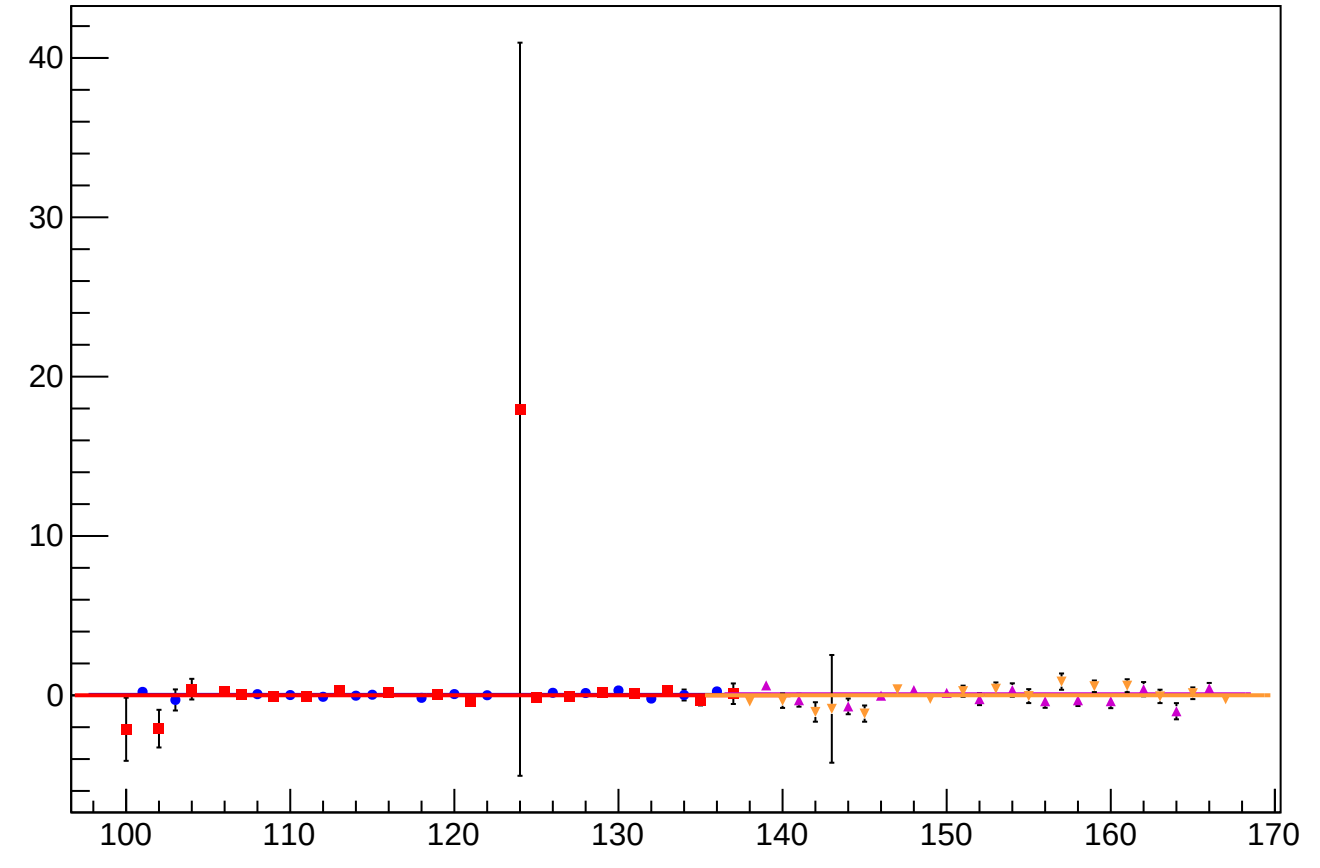
In: 147.024+/-0.029 χ^2/NDF:10377245.6/29

Out: 139.157+/-0.028 χ^2/NDF:13495454.3/34

All: 142.941+/-0.020 χ^2/NDF: 23911069.5/64


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 25.6/15
Left Out: 0.000+/-0.000 χ²/NDF:21.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 15.8/17
Left In: -0.000+/-0.000 χ²/NDF:6.9/13
Left: 0.000+/-0.000 χ²/NDF: 31.7/28
Right: 0.000+/-0.000 χ²/NDF: 41.7/33
In: -0.000+/-0.000 χ²/NDF:32.6/29
Out: 0.000+/-0.000 χ²/NDF:37.4/32
All: 0.000+/-0.000 χ²/NDF: 73.5/62


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:7604339.8/14
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:6832517.3/13
Left: 0.004+/-0.000 χ²/NDF: 14442426.3/28
Right: 0.004+/-0.000 χ²/NDF: 13944710.4/33
In: 0.005+/-0.000 χ²/NDF:11085610.4/29
Out: 0.004+/-0.000 χ²/NDF:16365039.2/32
All: 0.004+/-0.000 χ²/NDF: 28388943.9/62



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.066+/-0.095 χ^2/NDF:20.1/13

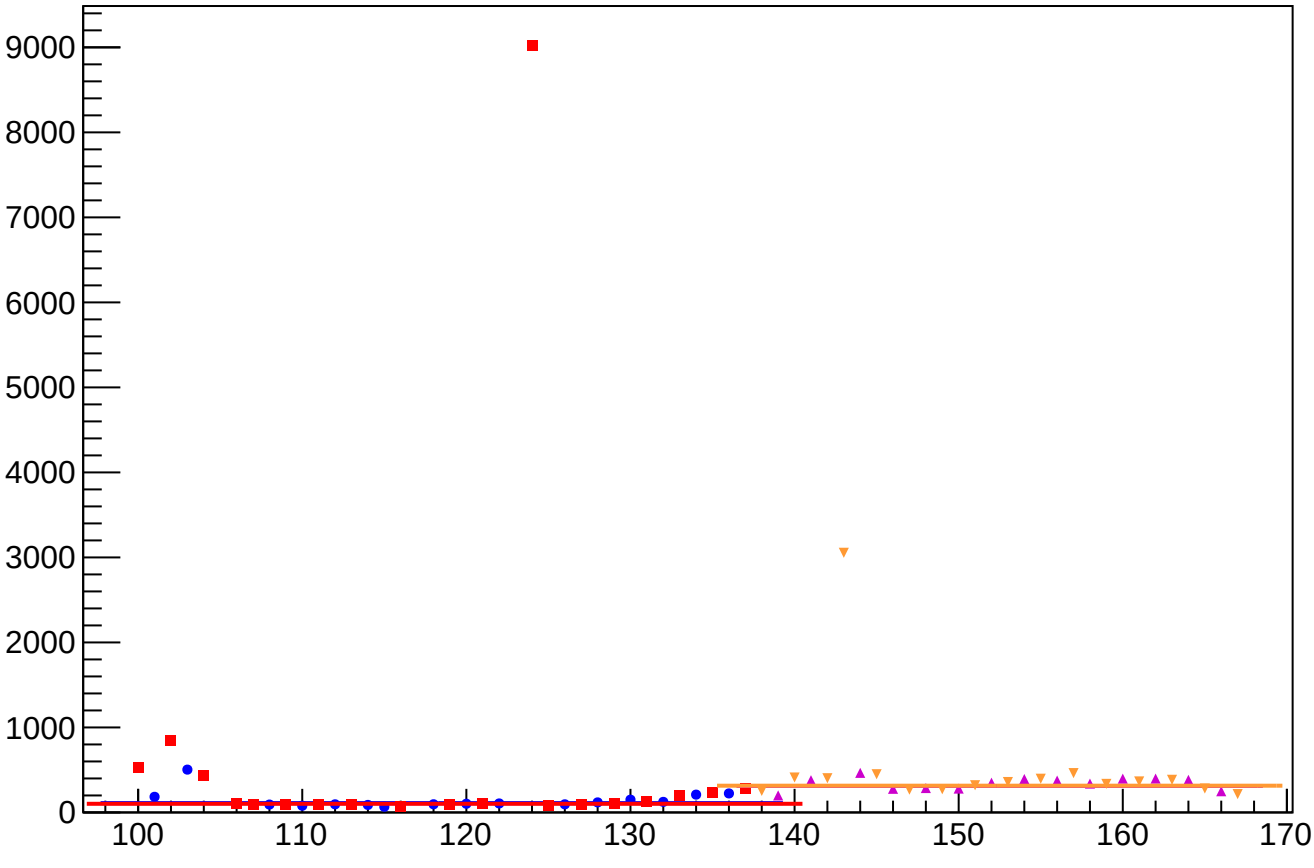
Left: 0.035+/-0.067 χ^2/NDF: 43.1/29

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.035+/-0.041 χ^2/NDF:29.1/29

Out: 0.003+/-0.039 χ^2/NDF:45.2/34

All: 0.019+/-0.028 χ^2/NDF: 74.6/64



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 314.725+/-0.067 χ^2/NDF:2462401.9/15

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 311.297+/-0.067 χ^2/NDF:1180628.8/13

Left: 313.035+/-0.047 χ^2/NDF: 3644340.2/29

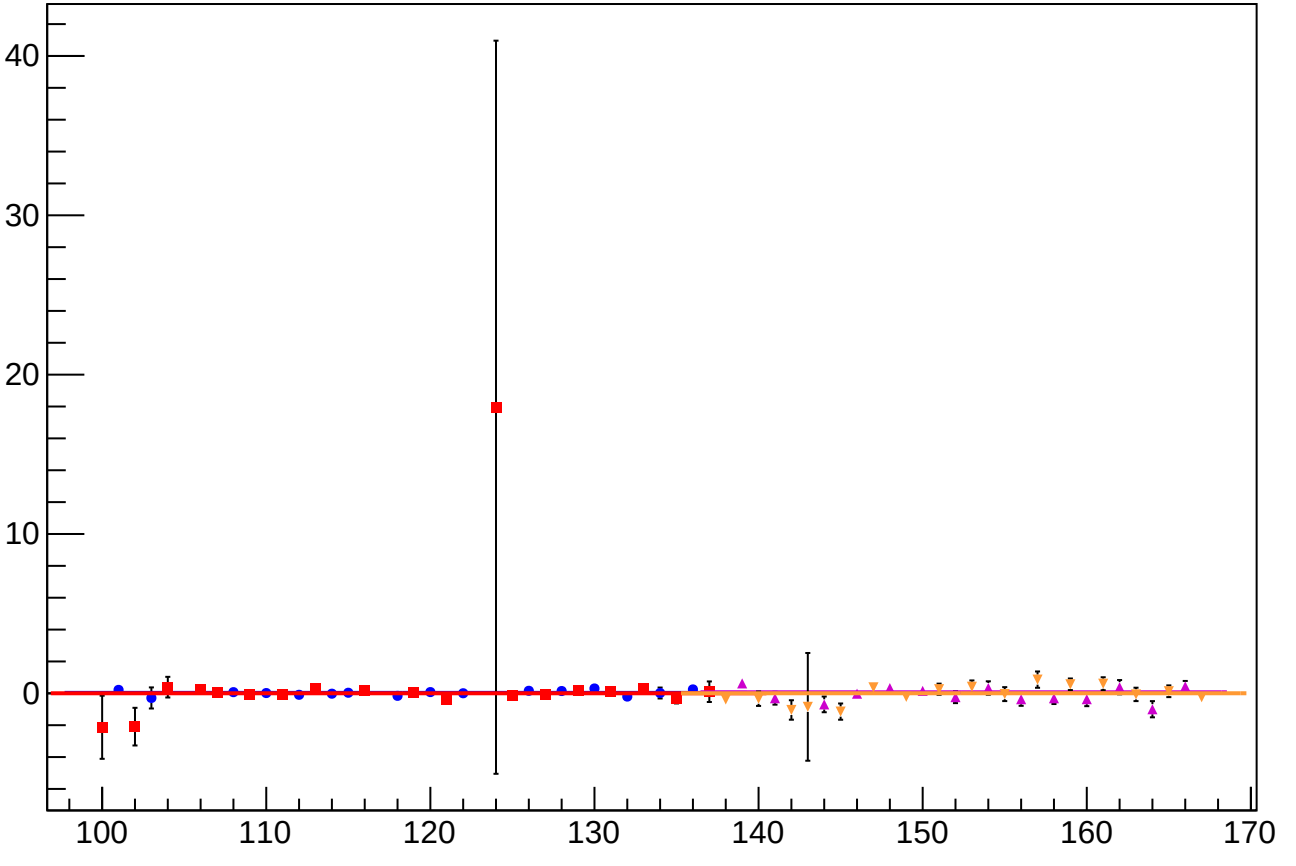
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 147.025+/-0.029 χ^2/NDF:10377234.3/29

Out: 139.159+/-0.028 χ^2/NDF:13495394.4/34

All: 142.942+/-0.020 χ^2/NDF: 23910993.9/64

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.066+/-0.095 χ^2/NDF:20.1/13

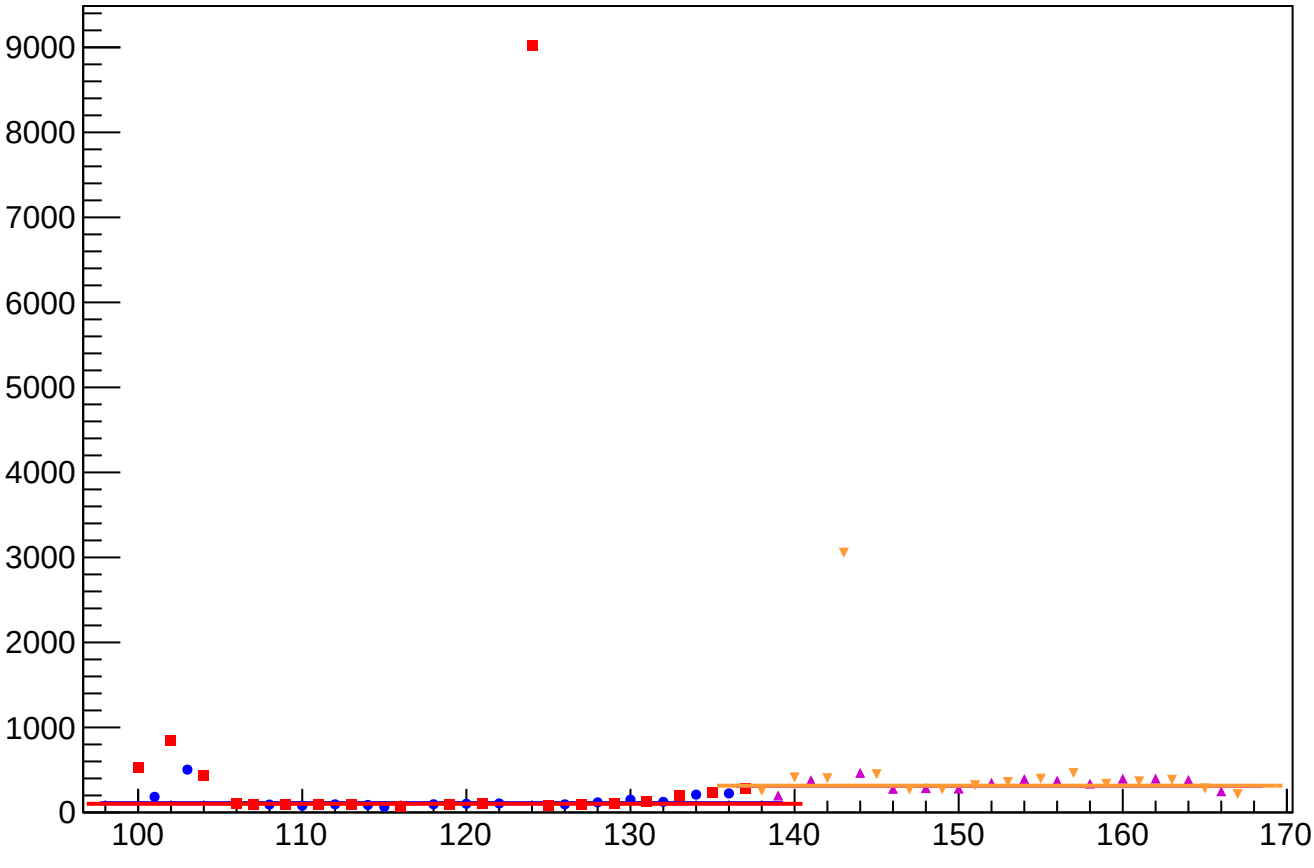
Left: 0.035+/-0.067 χ^2/NDF: 43.1/29

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.035+/-0.041 χ^2/NDF:29.1/29

Out: 0.003+/-0.039 χ^2/NDF:45.2/34

All: 0.019+/-0.028 χ^2/NDF: 74.6/64



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 314.725+/-0.067 χ^2/NDF:2462401.9/15

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 311.297+/-0.067 χ^2/NDF:1180628.8/13

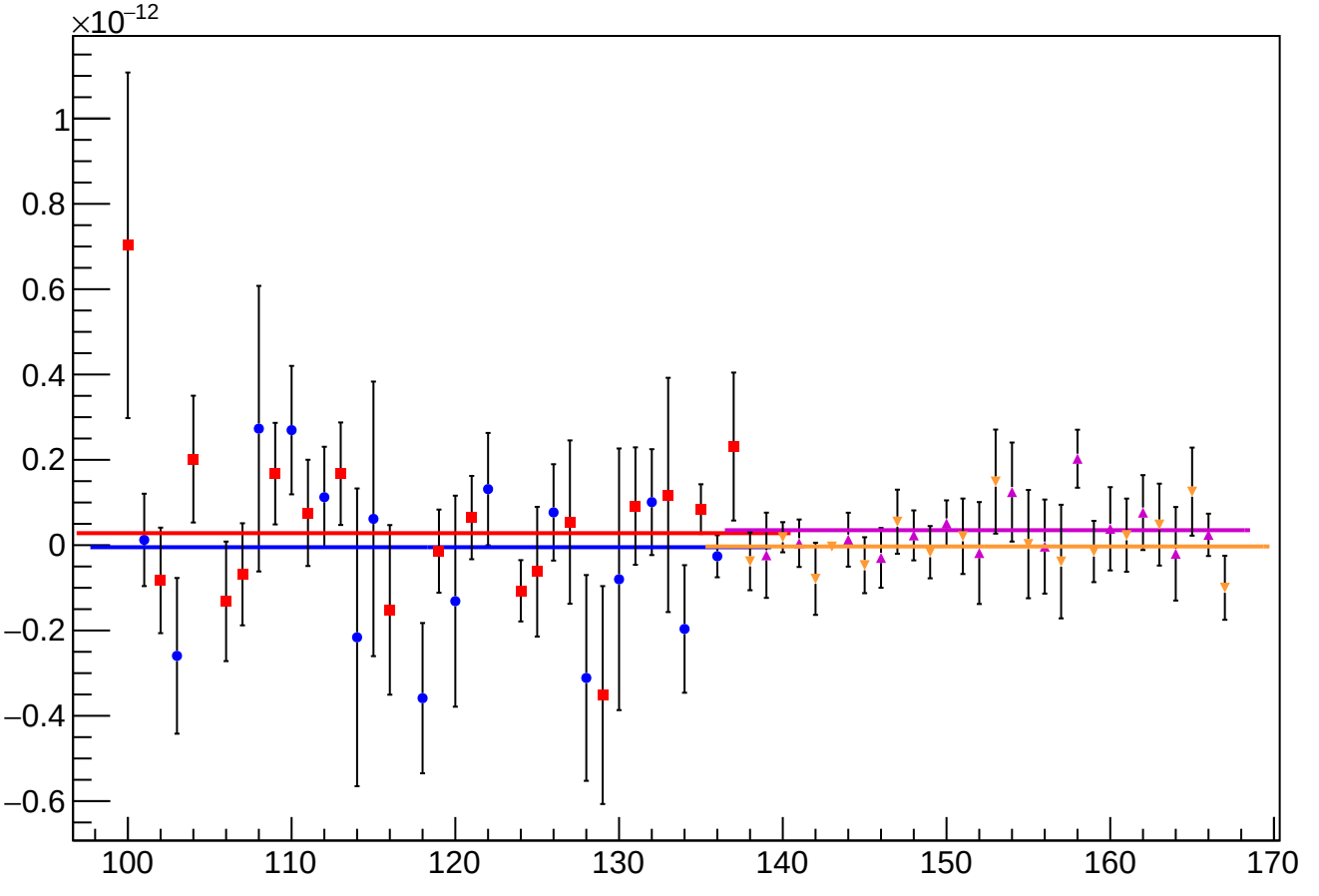
Left: 313.035+/-0.047 χ^2/NDF: 3644340.2/29

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 147.025+/-0.029 χ^2/NDF:10377234.3/29

Out: 139.159+/-0.028 χ^2/NDF:13495394.4/34

All: 142.942+/-0.020 χ^2/NDF: 23910993.9/64



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/13

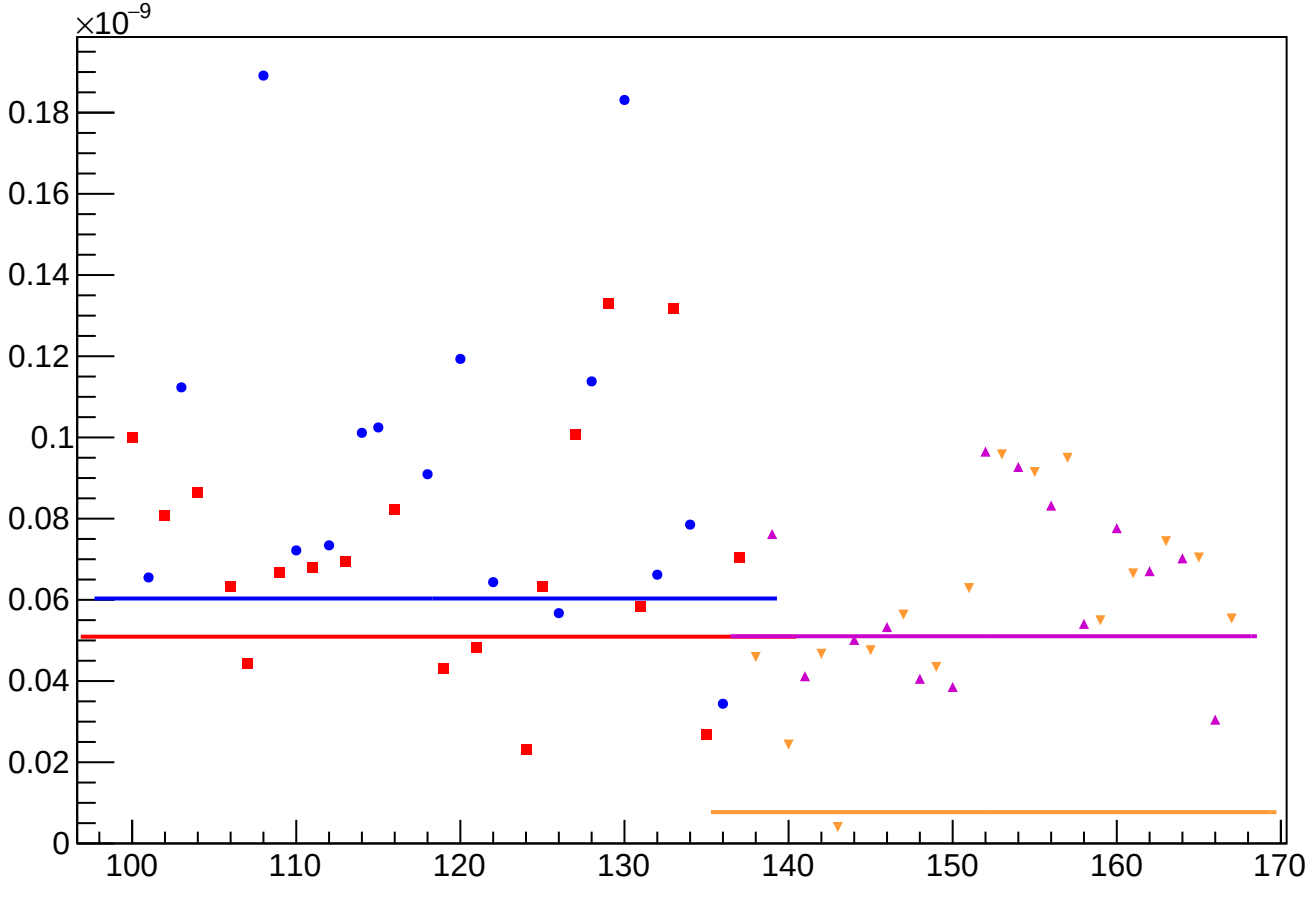
Left: -0.000+/-0.000 χ^2/NDF: 20.7/29

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:27.9/29

Out: -0.000+/-0.000 χ^2/NDF:28.8/34

All: 0.000+/-0.000 χ^2/NDF: 59.0/64



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12490576.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1704986.4/13

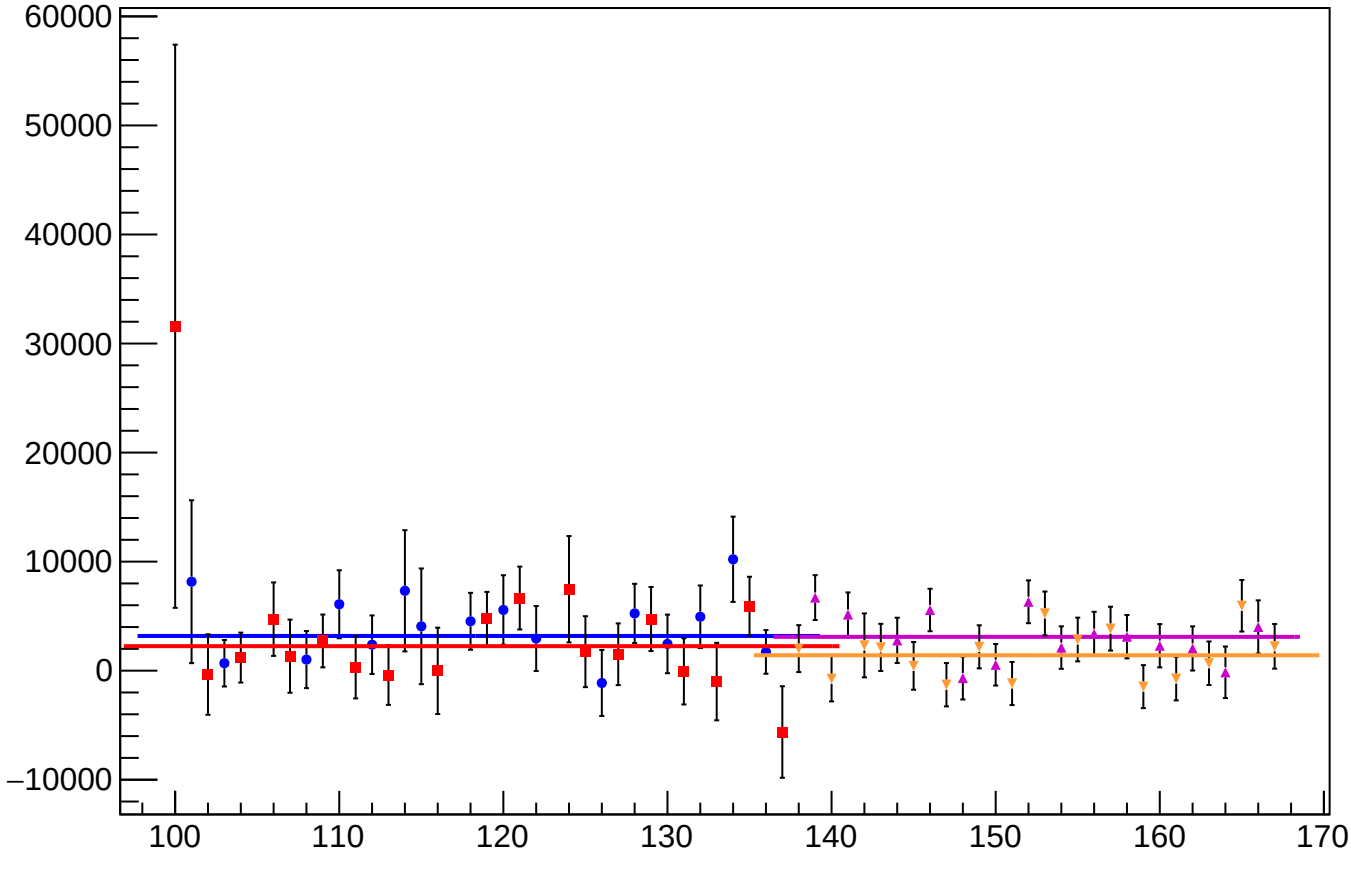
Left: 0.000+/-0.000 χ^2/NDF: 23523923.7/29

Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3576338.4/29

Out: 0.000+/-0.000 χ^2/NDF:19016576.1/34

All: 0.000+/-0.000 χ^2/NDF: 35607427.0/64



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1413.816+/-521.876 χ^2/NDF:18.2/15

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3100.508+/-544.212 χ^2/NDF:16.6/13

Left: 2221.840+/-376.671 χ^2/NDF: 39.8/29

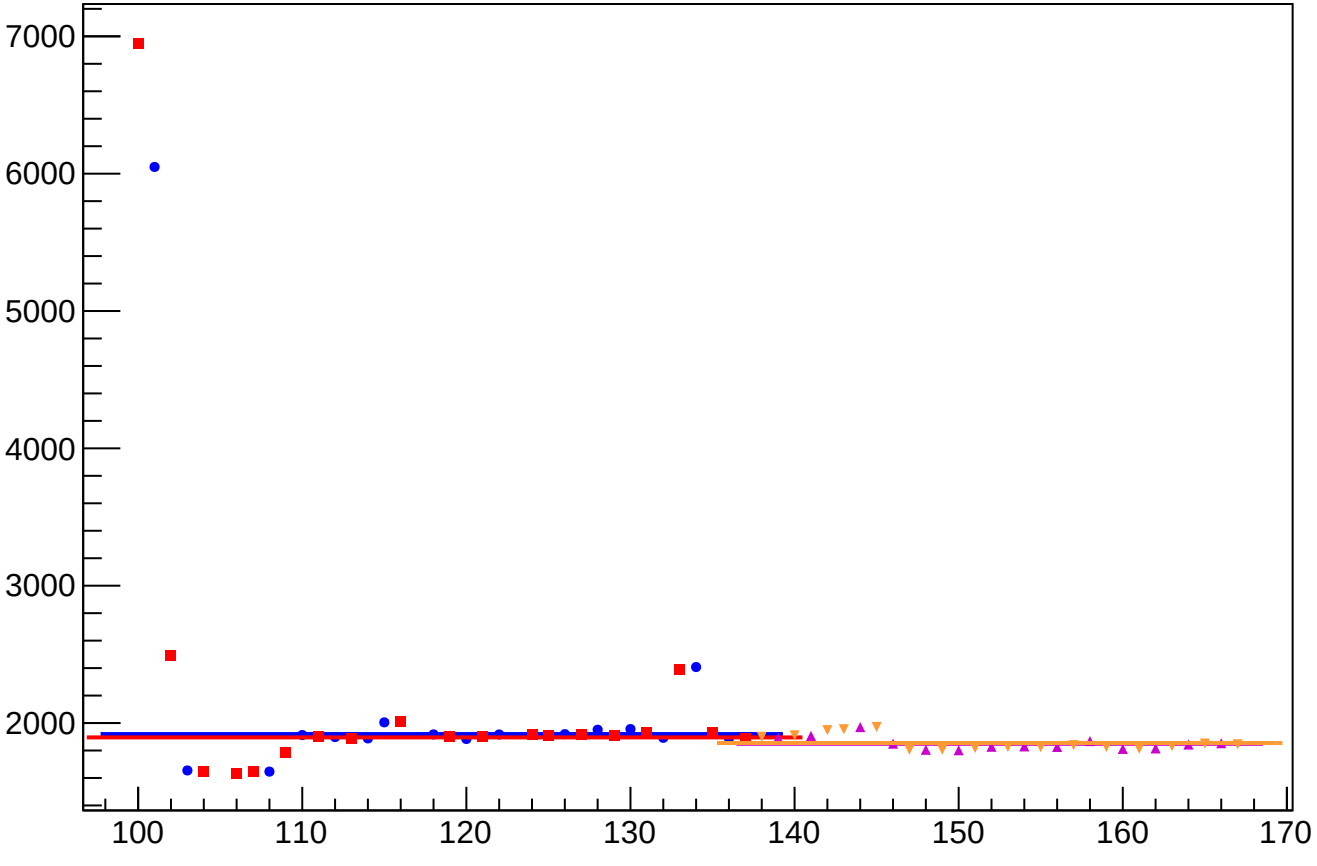
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3130.169+/-436.552 χ^2/NDF:28.3/29

Out: 1705.252+/-420.691 χ^2/NDF:35.6/34

All: 2391.354+/-302.926 χ^2/NDF: 69.4/64

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1854.601+/-0.369 χ^2/NDF:19916.8/15

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1848.785+/-0.385 χ^2/NDF:13717.4/13

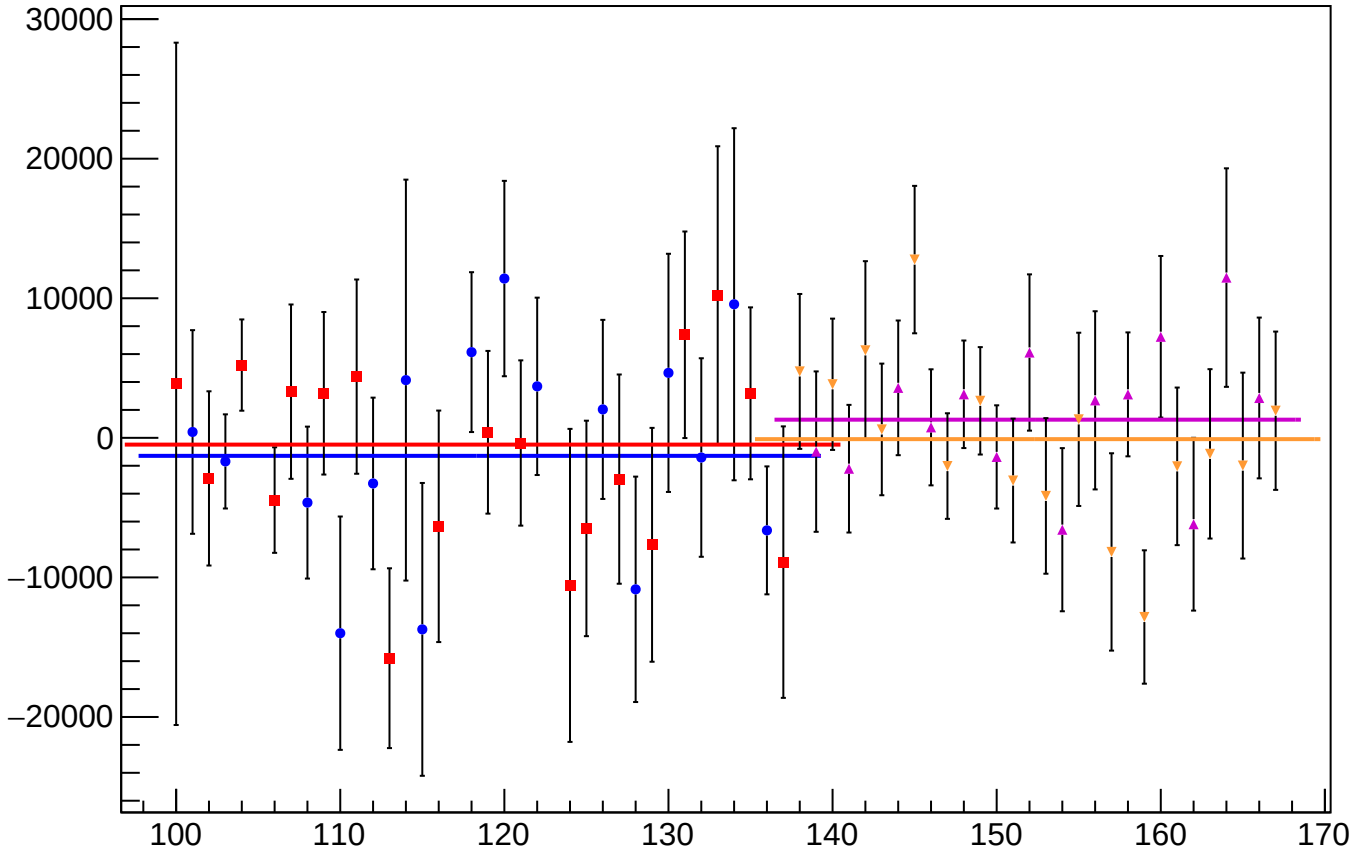
Left: 1851.815+/-0.266 χ^2/NDF: 33753.3/29

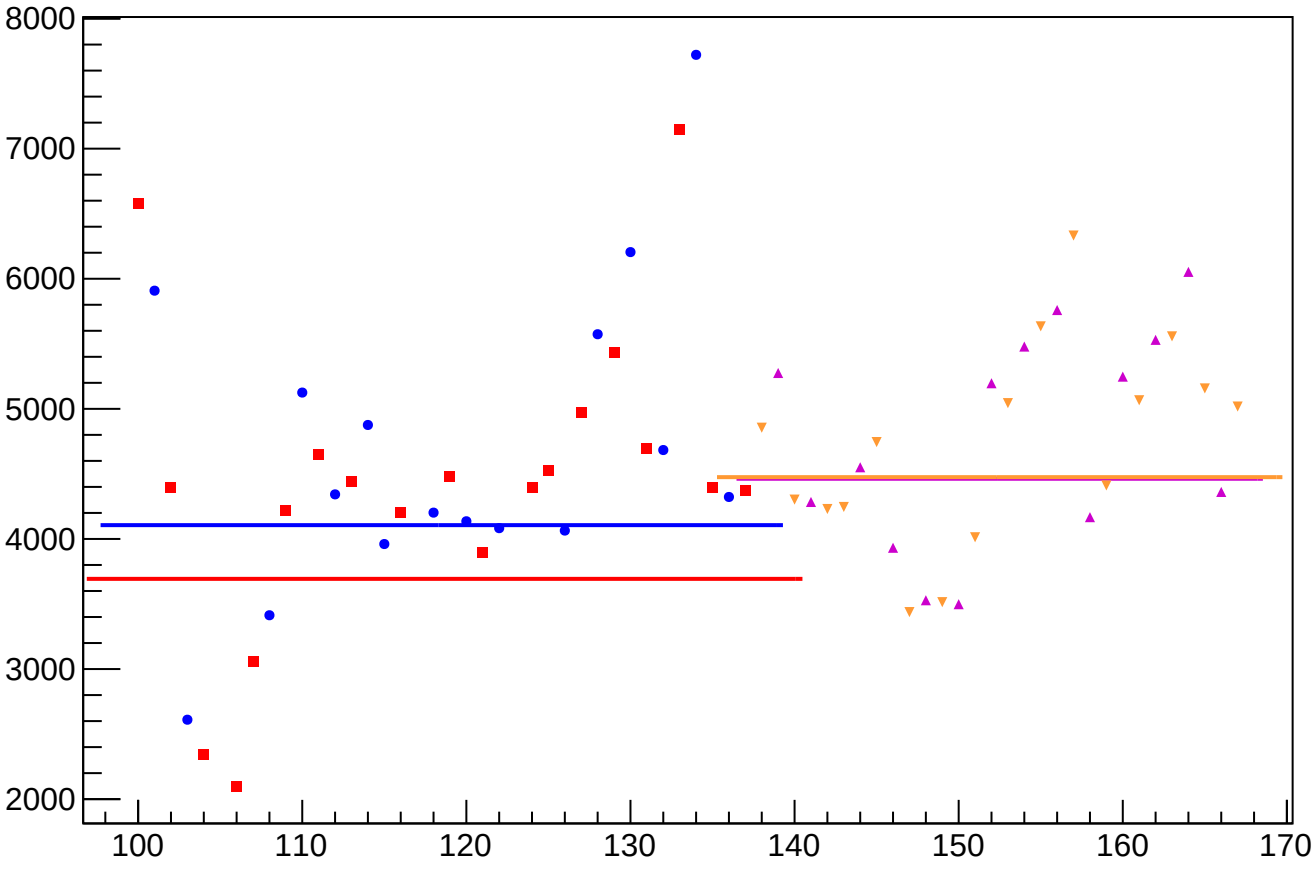
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1874.113+/-0.309 χ^2/NDF:723199.7/29

Out: 1868.939+/-0.297 χ^2/NDF:246482.3/34

All: 1871.427+/-0.214 χ^2/NDF: 969827.8/64


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1290.495+/-1585.432 χ²/NDF: 14.3/15
Left Out: -93.619+/-1285.255 χ²/NDF:19.0/15
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 1301.045+/-1338.368 χ²/NDF:8.8/13
Left: 575.491+/-927.021 χ²/NDF: 28.3/29
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: 222.710+/-1022.694 χ²/NDF:24.6/29
Out: -267.593+/-958.122 χ²/NDF:36.3/34
All: -38.408+/-699.209 χ²/NDF: 61.0/64



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4475.018+/-0.909 χ^2/NDF:675536.3/15

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4462.686+/-0.946 χ^2/NDF:695458.0/13

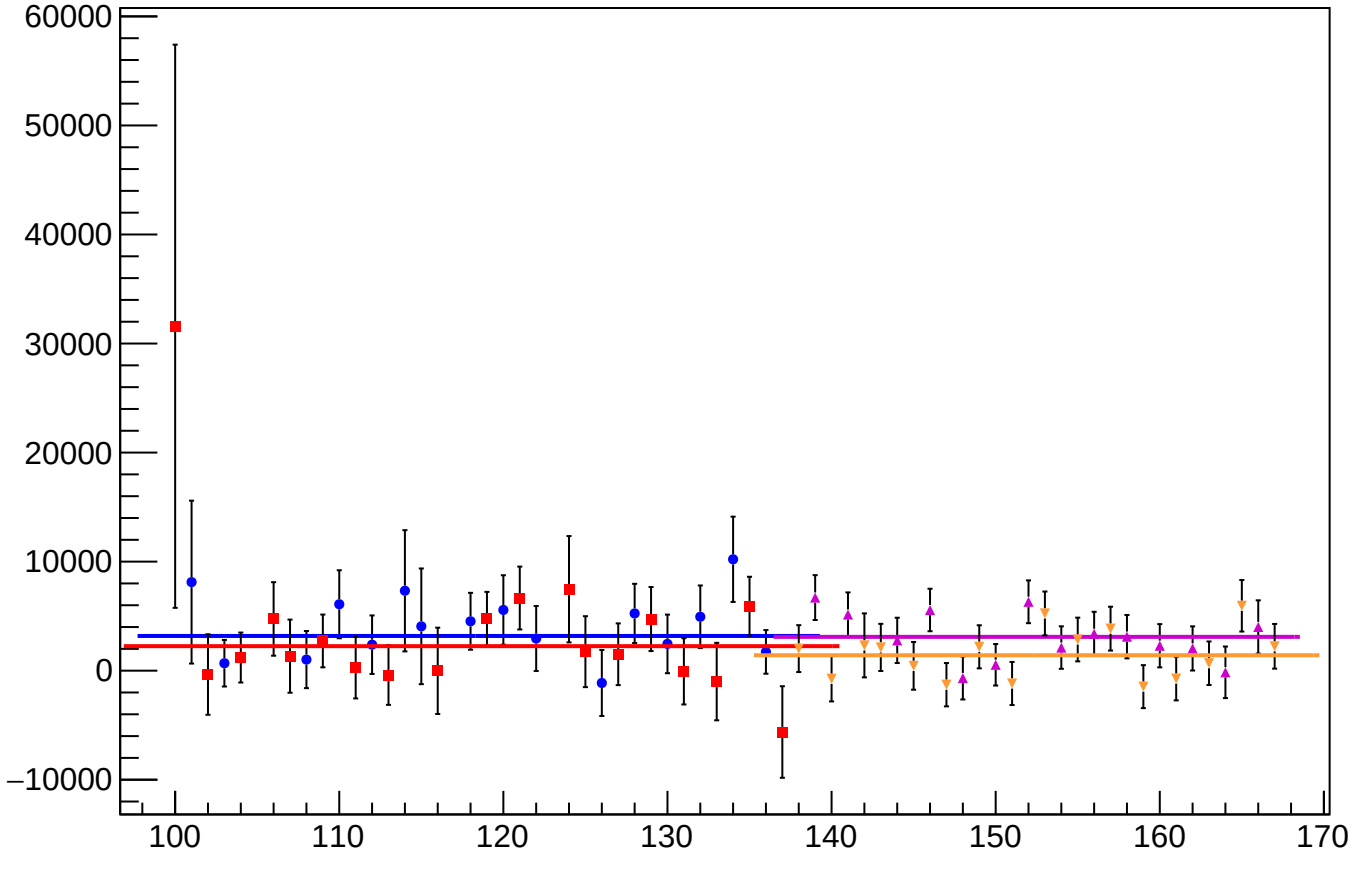
Left: 4469.102+/-0.656 χ^2/NDF: 1371082.6/29

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4314.329+/-0.723 χ^2/NDF:1710649.7/29

Out: 4127.709+/-0.677 χ^2/NDF:2360907.5/34

All: 4214.942+/-0.494 χ^2/NDF: 4107024.2/64



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1413.715+/-521.876 χ^2/NDF:18.2/15

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3100.542+/-544.212 χ^2/NDF:16.6/13

Left: 2221.803+/-376.671 χ^2/NDF: 39.8/29

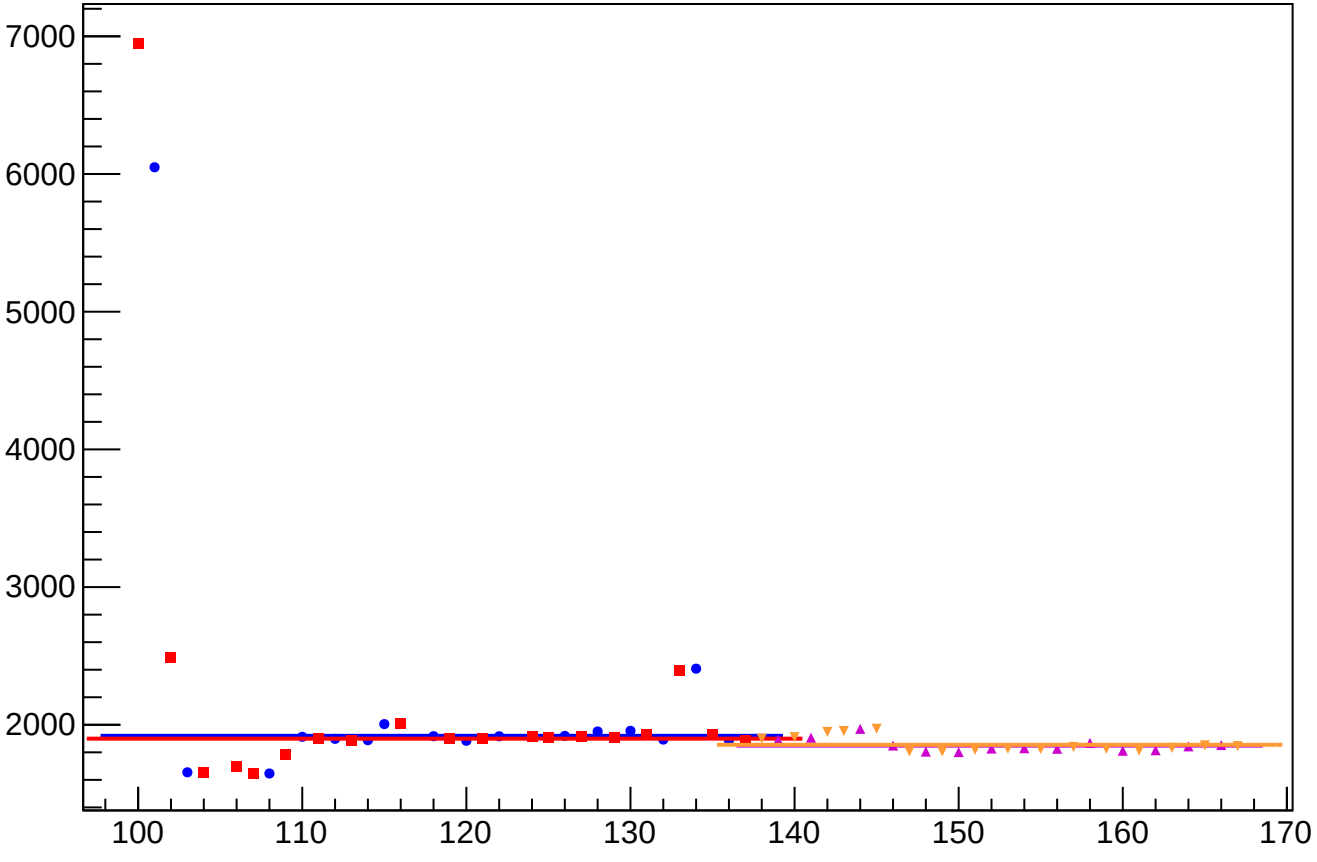
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3129.930+/-436.552 χ^2/NDF:28.3/29

Out: 1705.582+/-420.692 χ^2/NDF:35.6/34

All: 2391.411+/-302.926 χ^2/NDF: 69.4/64

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1854.602+/-0.369 χ^2/NDF:19916.8/15

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.785+/-0.385 χ^2/NDF:13717.4/13

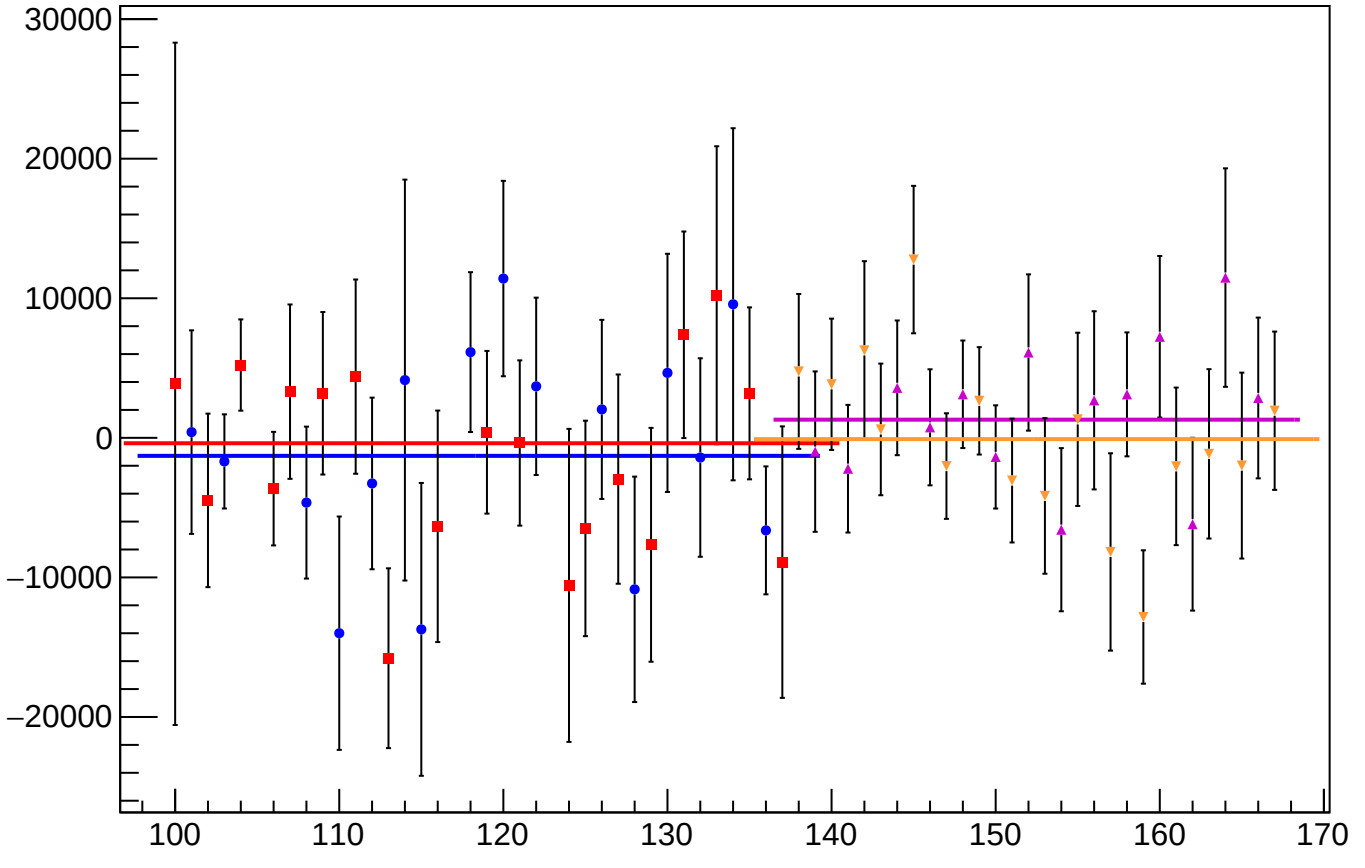
Left: 1851.815+/-0.266 χ^2/NDF: 33753.3/29

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1874.113+/-0.309 χ^2/NDF:723199.0/29

Out: 1870.309+/-0.297 χ^2/NDF:240734.0/34

All: 1872.139+/-0.214 χ^2/NDF: 964011.7/64



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -93.618+/-1285.252 χ^2/NDF:19.0/15

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1301.083+/-1338.369 χ^2/NDF:8.8/13

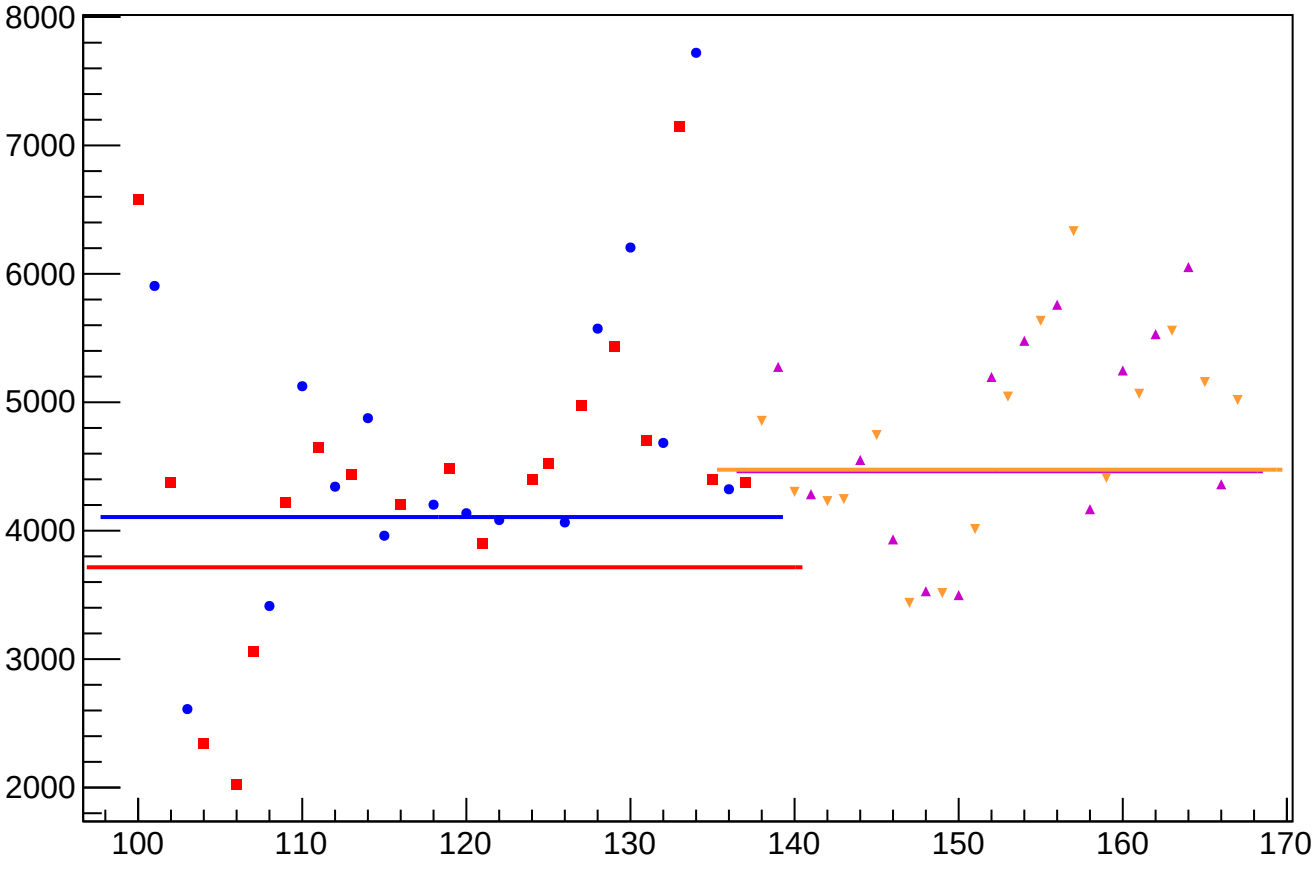
Left: 575.507+/-927.020 χ^2/NDF: 28.3/29

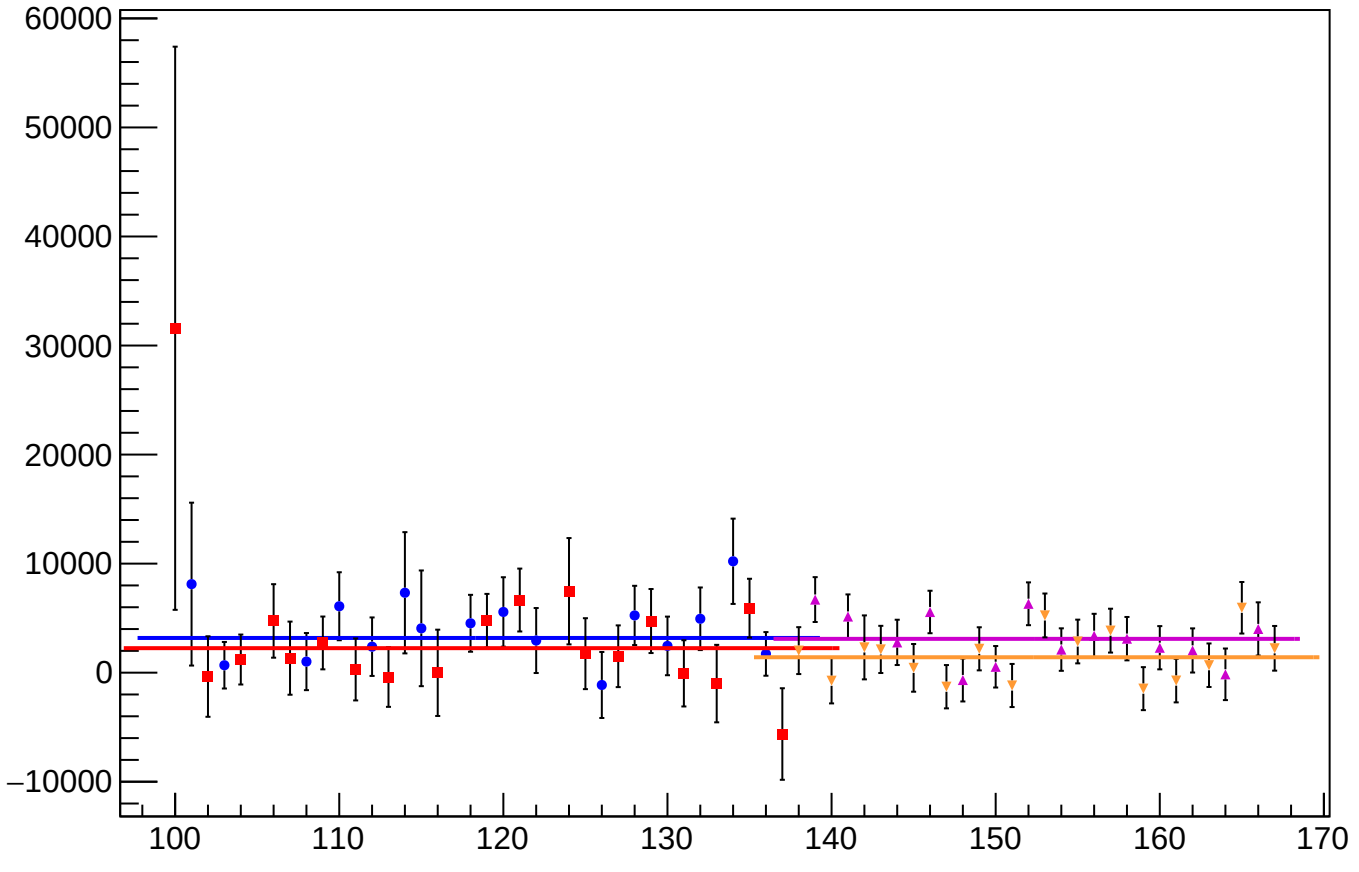
Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: 222.581+/-1022.695 χ^2/NDF:24.6/29

Out: -222.825+/-962.252 χ^2/NDF:36.0/34

All: -13.672+/-700.809 χ^2/NDF: 60.7/64


asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4106.234+/-1.121 χ²/NDF: 955631.2/15
Left Out: 4475.006+/-0.909 χ²/NDF:675551.1/15
Right Out: 3715.202+/-1.026 χ²/NDF: 1335100.7/18
Left In: 4462.689+/-0.946 χ²/NDF:695452.2/13
Left: 4469.097+/-0.656 χ²/NDF: 1371091.5/29
Right: 3893.510+/-0.757 χ²/NDF: 2356917.1/34
In: 4314.369+/-0.723 χ²/NDF:1710114.9/29
Out: 4141.098+/-0.680 χ²/NDF:2317824.0/34
All: 4222.462+/-0.496 χ²/NDF: 4058390.7/64



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1413.715+/-521.876 χ^2/NDF:18.2/15

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3100.542+/-544.212 χ^2/NDF:16.6/13

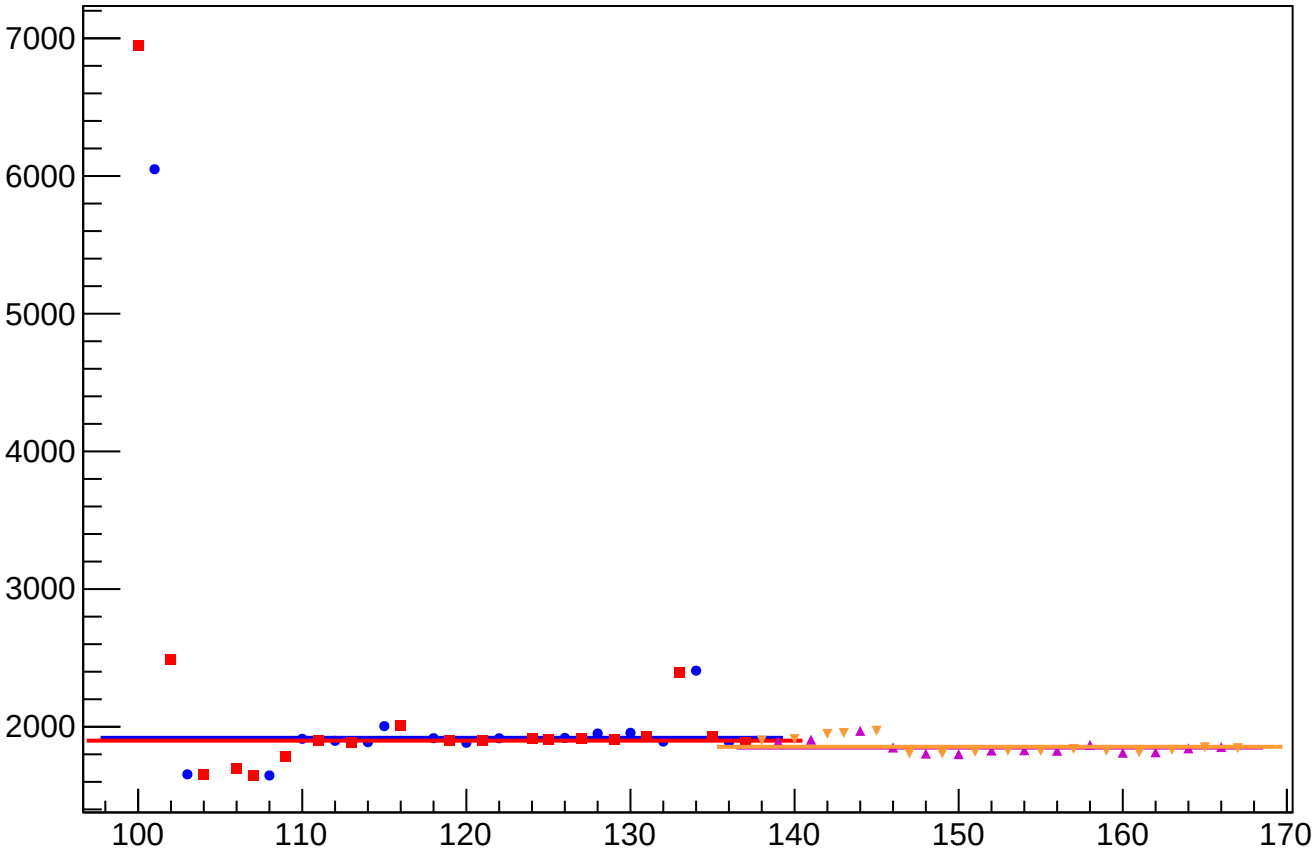
Left: 2221.803+/-376.671 χ^2/NDF: 39.8/29

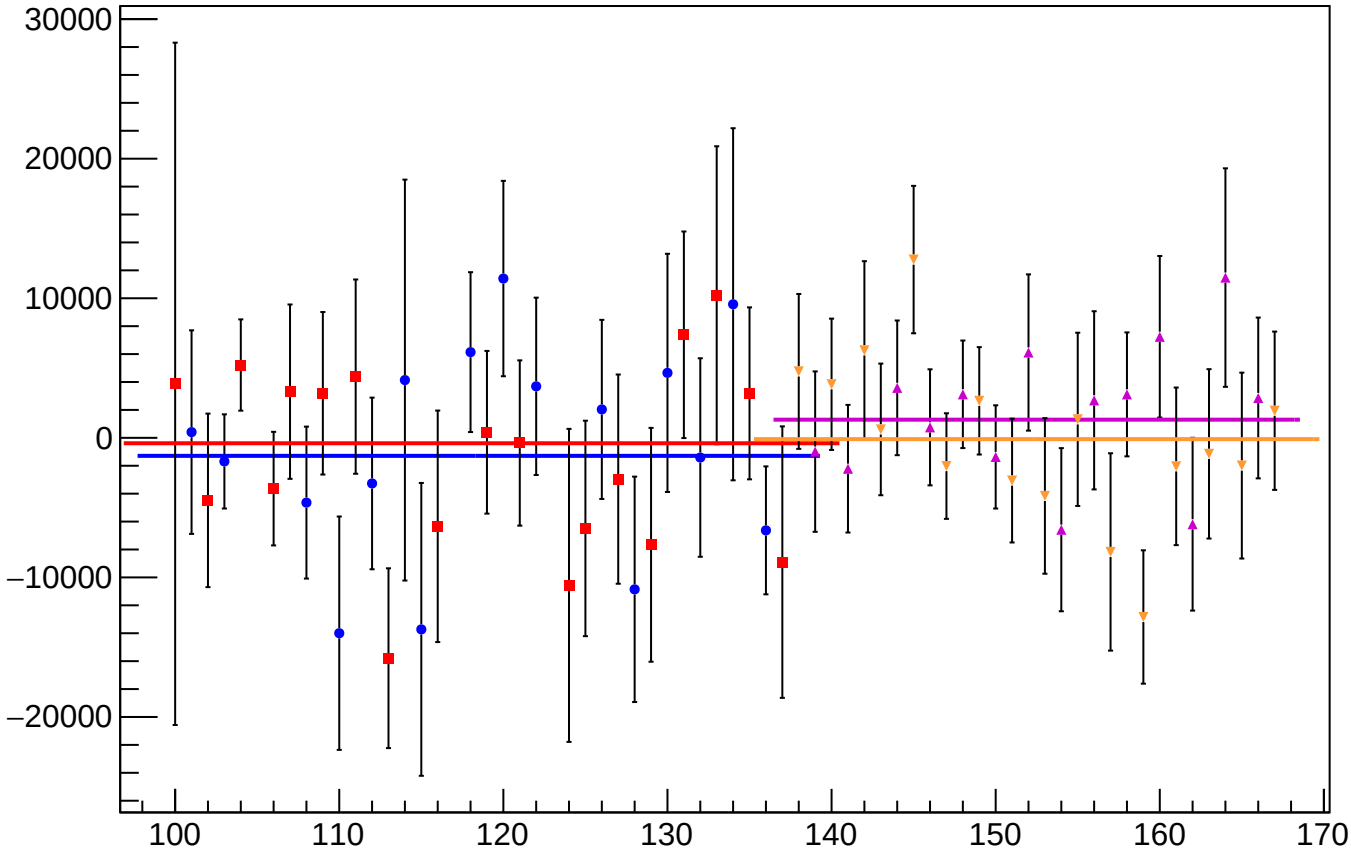
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3129.930+/-436.552 χ^2/NDF:28.3/29

Out: 1705.582+/-420.692 χ^2/NDF:35.6/34

All: 2391.411+/-302.926 χ^2/NDF: 69.4/64


eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1919.827+/-0.517 χ²/NDF: 697330.6/15
Left Out: 1854.602+/-0.369 χ²/NDF:19916.8/15
Right Out: 1899.364+/-0.502 χ²/NDF: 215654.1/18
Left In: 1848.785+/-0.385 χ²/NDF:13717.4/13
Left: 1851.815+/-0.266 χ²/NDF: 33753.3/29
Right: 1909.293+/-0.360 χ²/NDF: 913791.4/34
In: 1874.113+/-0.309 χ²/NDF:723199.0/29
Out: 1870.309+/-0.297 χ²/NDF:240734.0/34
All: 1872.139+/-0.214 χ²/NDF: 964011.7/64



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -93.618+/-1285.252 χ^2/NDF:19.0/15

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1301.083+/-1338.369 χ^2/NDF:8.8/13

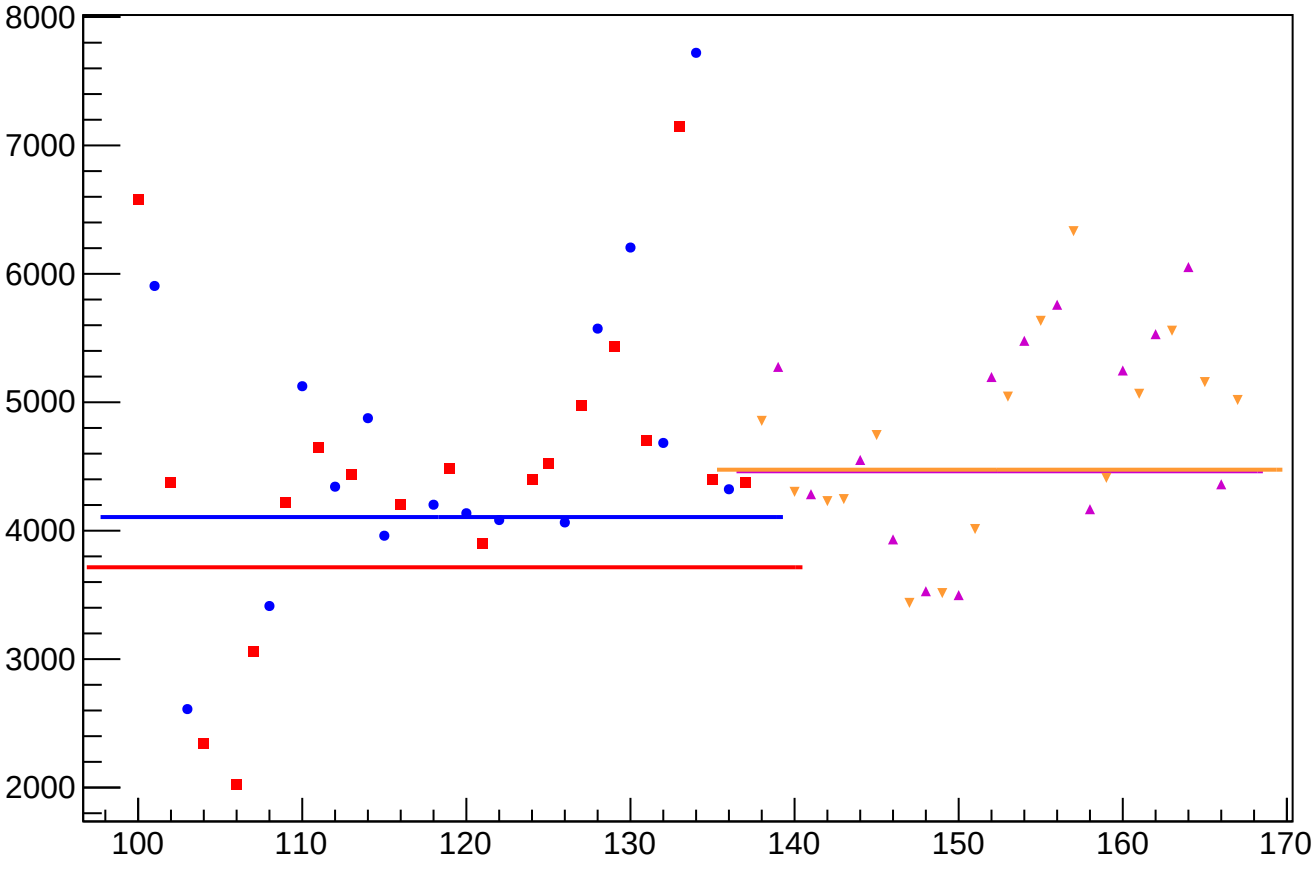
Left: 575.507+/-927.020 χ^2/NDF: 28.3/29

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

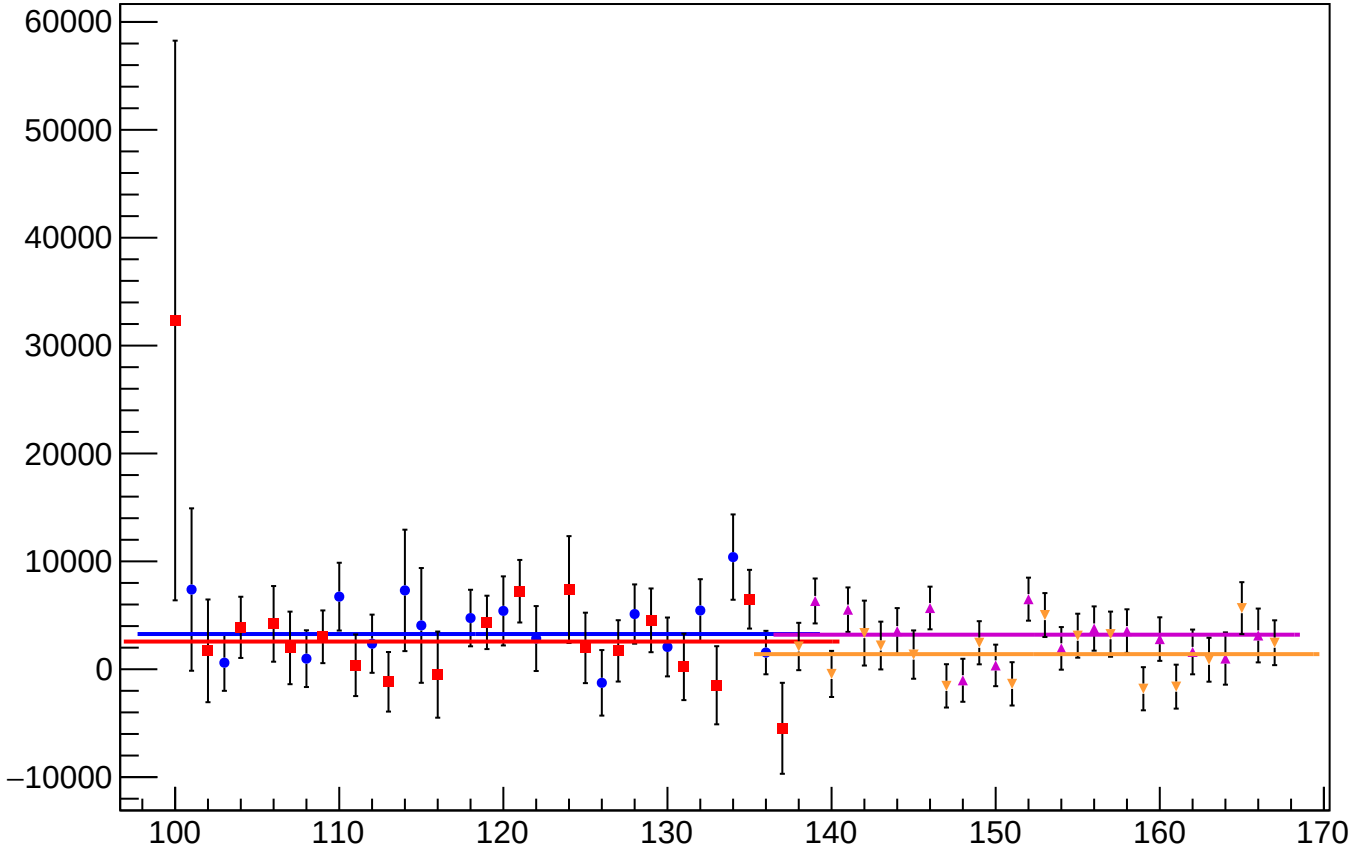
In: 222.581+/-1022.695 χ^2/NDF:24.6/29

Out: -222.825+/-962.252 χ^2/NDF:36.0/34

All: -13.672+/-700.809 χ^2/NDF: 60.7/64


asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4106.234+/-1.121 χ²/NDF: 955631.2/15
Left Out: 4475.006+/-0.909 χ²/NDF:675551.1/15
Right Out: 3715.202+/-1.026 χ²/NDF: 1335100.7/18
Left In: 4462.689+/-0.946 χ²/NDF:695452.2/13
Left: 4469.097+/-0.656 χ²/NDF: 1371091.5/29
Right: 3893.510+/-0.757 χ²/NDF: 2356917.1/34
In: 4314.369+/-0.723 χ²/NDF:1710114.9/29
Out: 4141.098+/-0.680 χ²/NDF:2317824.0/34
All: 4222.462+/-0.496 χ²/NDF: 4058390.7/64

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1400.674+/-531.975 χ^2/NDF:18.6/15

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3202.652+/-553.723 χ^2/NDF:16.5/13

Left: 2265.581+/-383.621 χ^2/NDF: 40.6/29

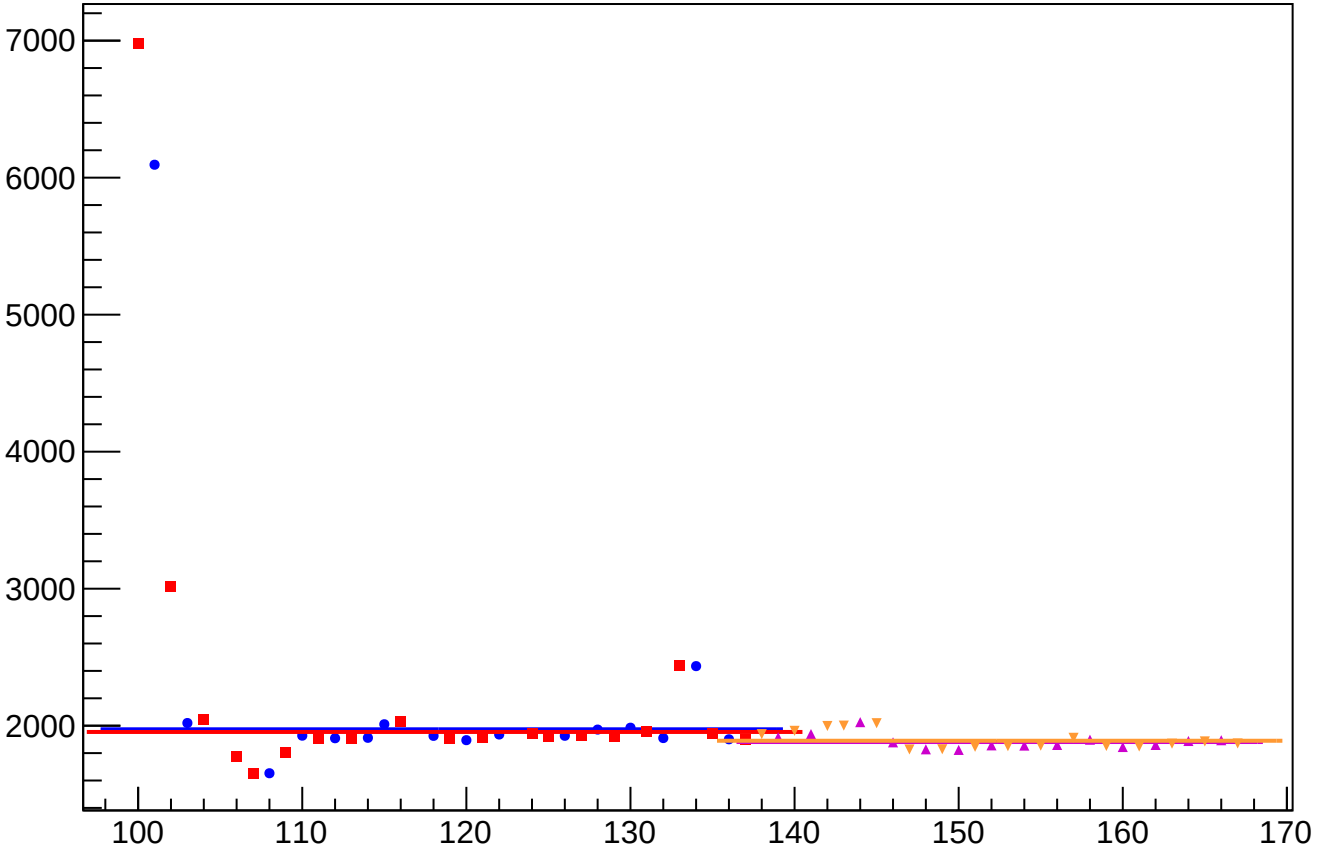
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3224.488+/-445.649 χ^2/NDF:28.7/29

Out: 1801.600+/-430.918 χ^2/NDF:37.2/34

All: 2489.138+/-309.782 χ^2/NDF: 71.2/64

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1890.182+/-0.376 χ^2/NDF:25794.2/15

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.921+/-0.392 χ^2/NDF:16531.8/13

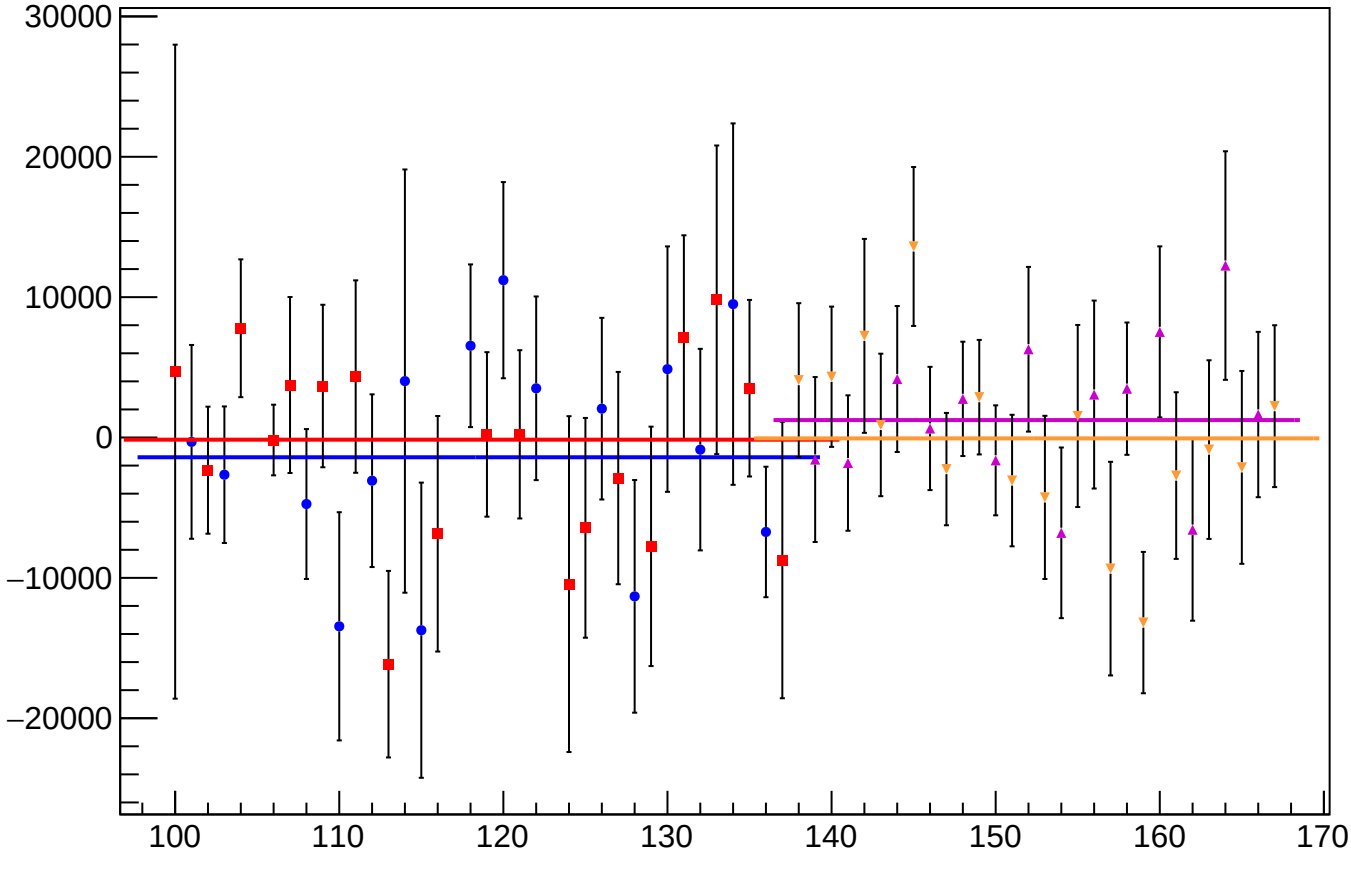
Left: 1885.737+/-0.271 χ^2/NDF: 42616.9/29

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1913.620+/-0.315 χ^2/NDF:701455.8/29

Out: 1912.267+/-0.305 χ^2/NDF:282019.2/34

All: 1912.921+/-0.219 χ^2/NDF: 983484.6/64



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -62.832+/-1352.384 χ^2/NDF:18.9/15

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 1242.269+/-1408.293 χ^2/NDF:8.8/13

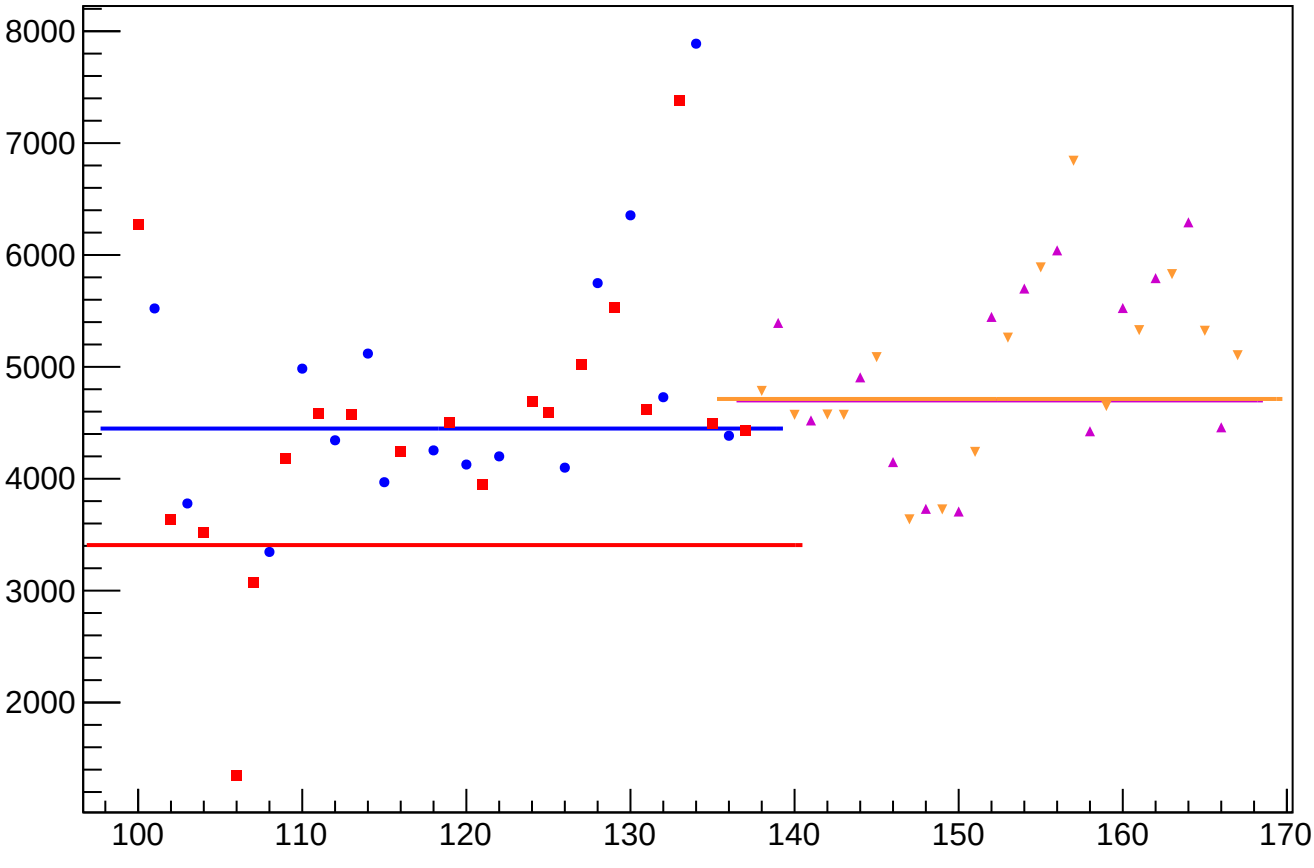
Left: 563.298+/-975.447 χ^2/NDF: 28.1/29

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

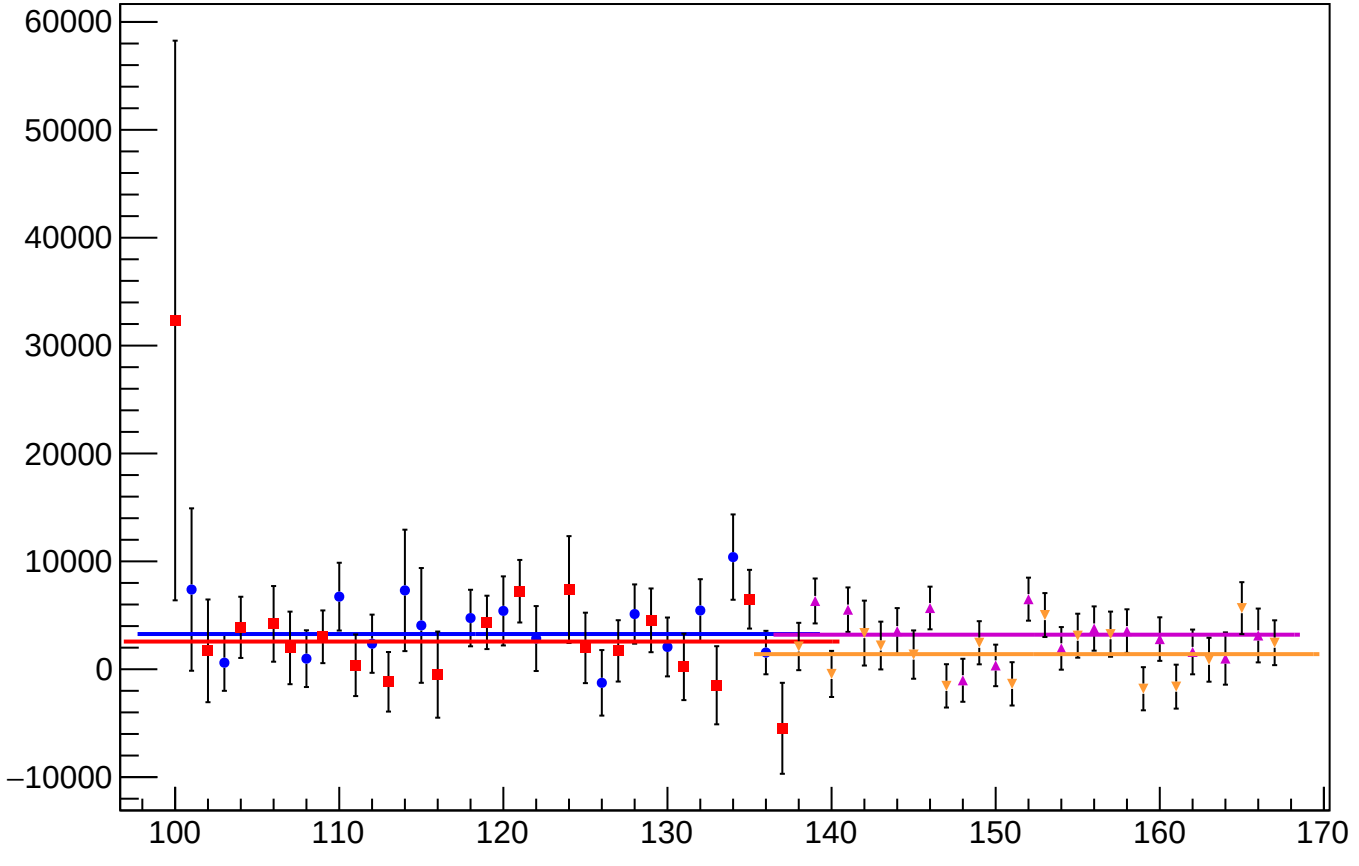
In: 156.374+/-1081.891 χ^2/NDF:24.4/29

Out: -108.669+/-960.236 χ^2/NDF:34.7/34

All: 8.119+/-718.165 χ^2/NDF: 59.2/64


asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4448.711+/-1.195 χ²/NDF: 494613.5/15
Left Out: 4713.112+/-0.956 χ²/NDF:643448.4/15
Right Out: 3407.128+/-0.964 χ²/NDF: 2326060.4/18
Left In: 4700.101+/-0.996 χ²/NDF:653713.3/13
Left: 4706.870+/-0.690 χ²/NDF: 1297250.5/29
Right: 3817.861+/-0.750 χ²/NDF: 3280806.0/34
In: 4597.075+/-0.765 χ²/NDF:1174444.9/29
Out: 4065.533+/-0.679 χ²/NDF:3894335.7/34
All: 4299.751+/-0.508 χ²/NDF: 5338822.5/64

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1400.666+/-531.975 χ^2/NDF:18.6/15

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3202.656+/-553.723 χ^2/NDF:16.5/13

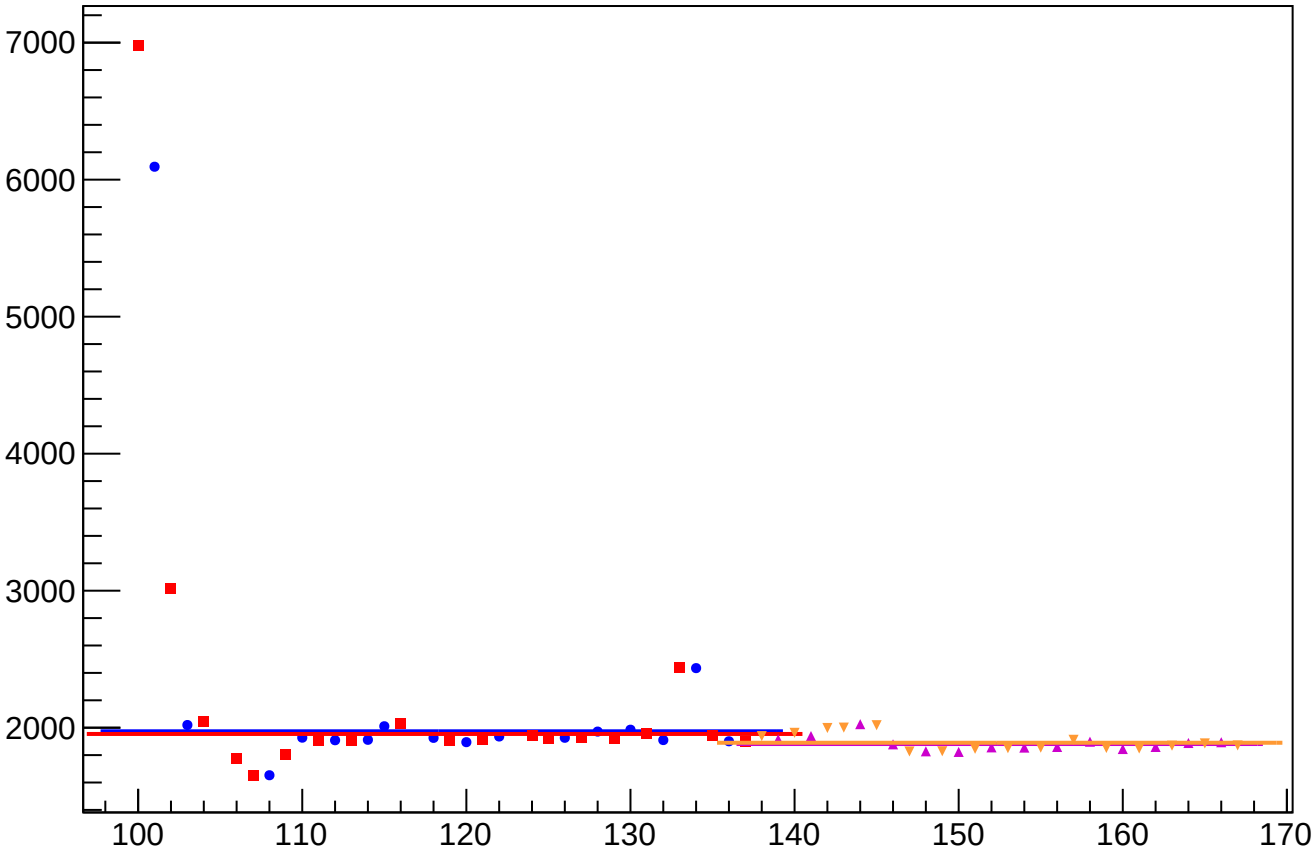
Left: 2265.579+/-383.621 χ^2/NDF: 40.6/29

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3224.492+/-445.649 χ^2/NDF:28.7/29

Out: 1801.597+/-430.918 χ^2/NDF:37.2/34

All: 2489.138+/-309.782 χ^2/NDF: 71.2/64



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1890.183+/-0.376 χ^2/NDF:25794.2/15

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1880.921+/-0.392 χ^2/NDF:16531.8/13

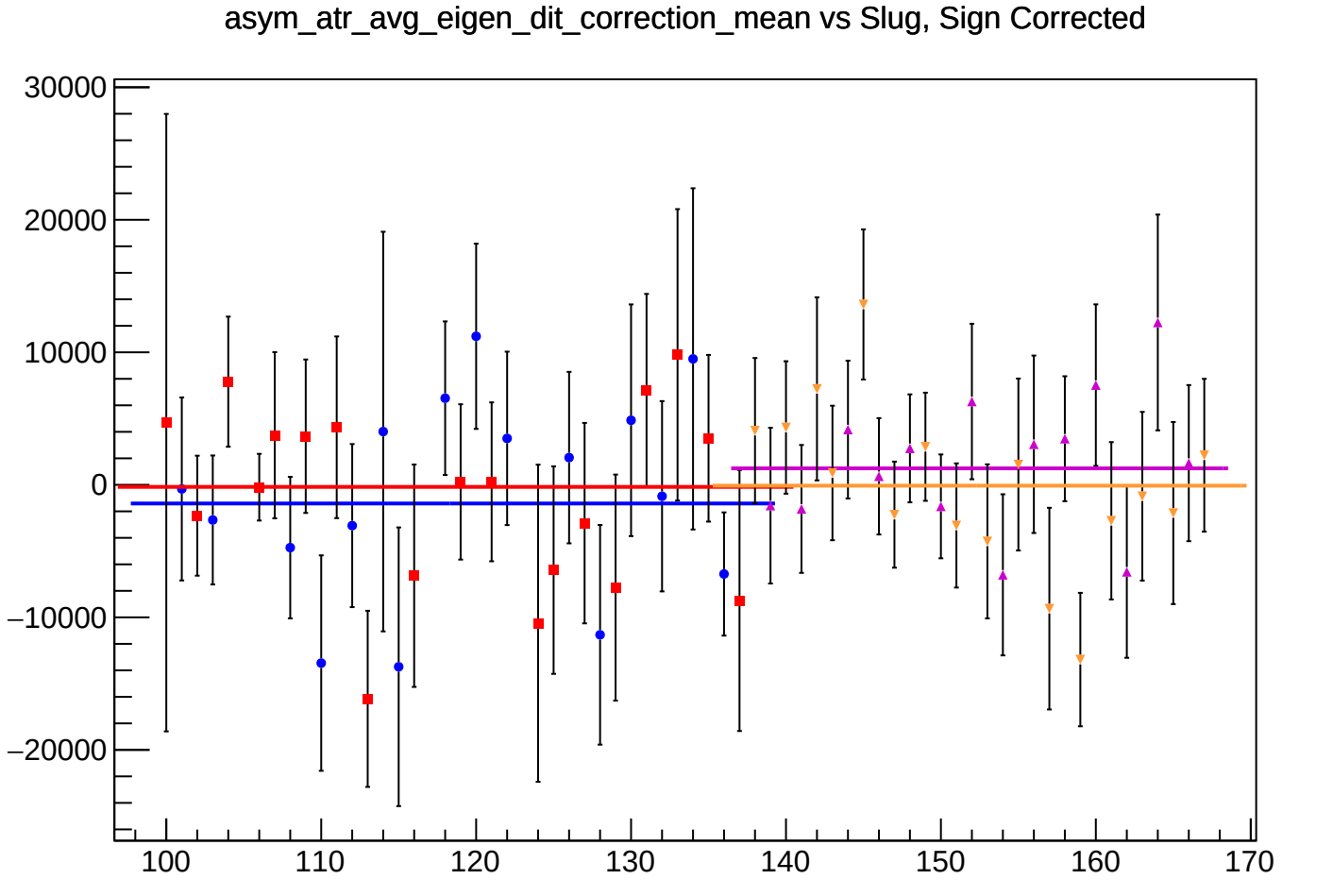
Left: 1885.738+/-0.271 χ^2/NDF: 42616.9/29

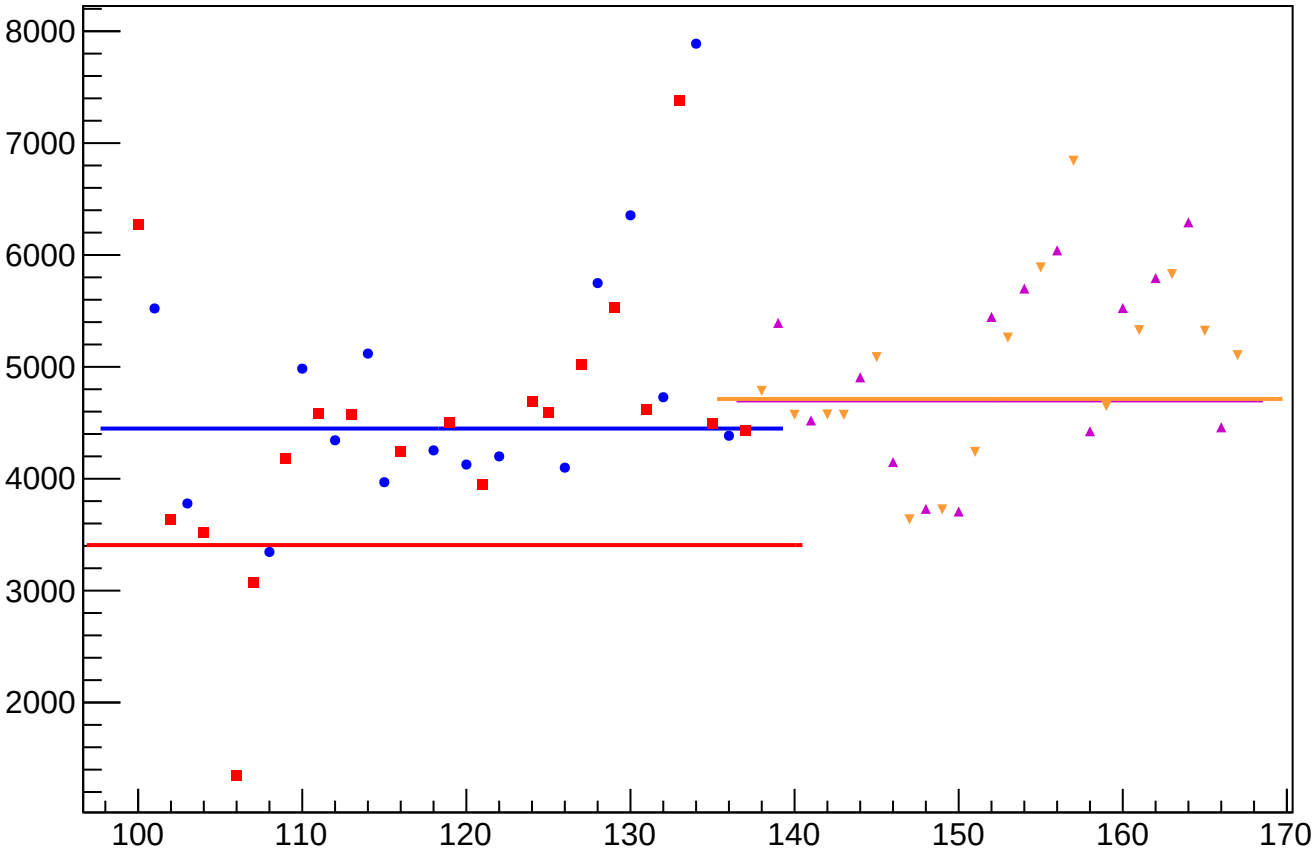
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1913.620+/-0.315 χ^2/NDF:701455.3/29

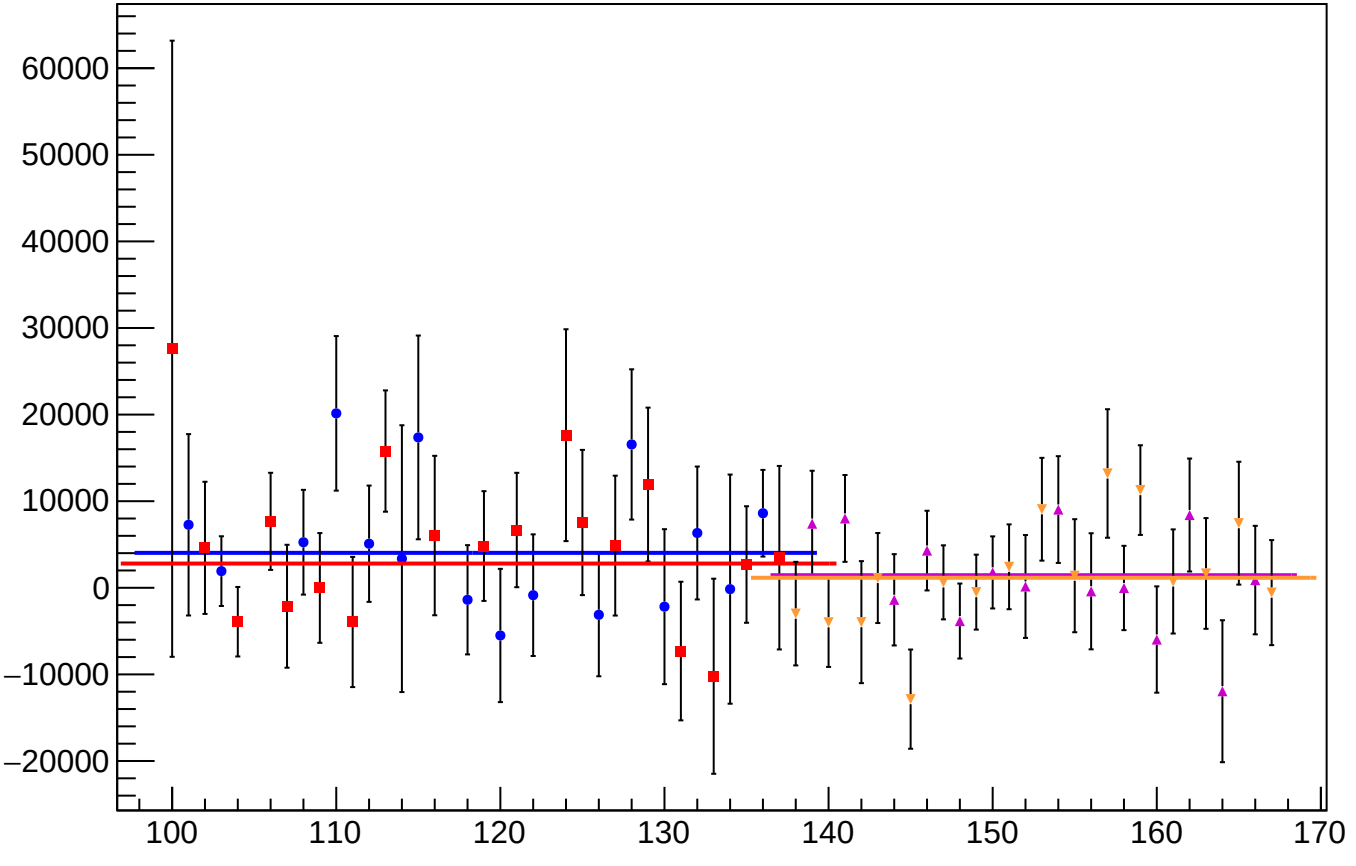
Out: 1912.268+/-0.305 χ^2/NDF:282018.4/34

All: 1912.921+/-0.219 χ^2/NDF: 983483.1/64


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: -62.837+/-1352.387 χ²/NDF:18.9/15
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 1242.267+/-1408.296 χ²/NDF:8.8/13
Left: 563.295+/-975.448 χ²/NDF: 28.1/29
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: 156.377+/-1081.891 χ²/NDF:24.4/29
Out: -108.672+/-960.235 χ²/NDF:34.7/34
All: 8.118+/-718.165 χ²/NDF: 59.2/64


asym_atr_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4448.704+/-1.195 χ²/NDF: 494610.6/15
Left Out: 4713.120+/-0.956 χ²/NDF:643449.1/15
Right Out: 3407.120+/-0.964 χ²/NDF: 2326064.2/18
Left In: 4700.109+/-0.996 χ²/NDF:653712.4/13
Left: 4706.878+/-0.690 χ²/NDF: 1297250.3/29
Right: 3817.853+/-0.750 χ²/NDF: 3280809.4/34
In: 4597.076+/-0.765 χ²/NDF:1174444.1/29
Out: 4065.531+/-0.679 χ²/NDF:3894363.3/34
All: 4299.750+/-0.508 χ²/NDF: 5338853.1/64

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1157.792+/-1400.957 χ^2/NDF:17.3/15

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 1454.325+/-1457.964 χ^2/NDF:11.8/13

Left: 1300.148+/-1010.178 χ^2/NDF: 29.2/29

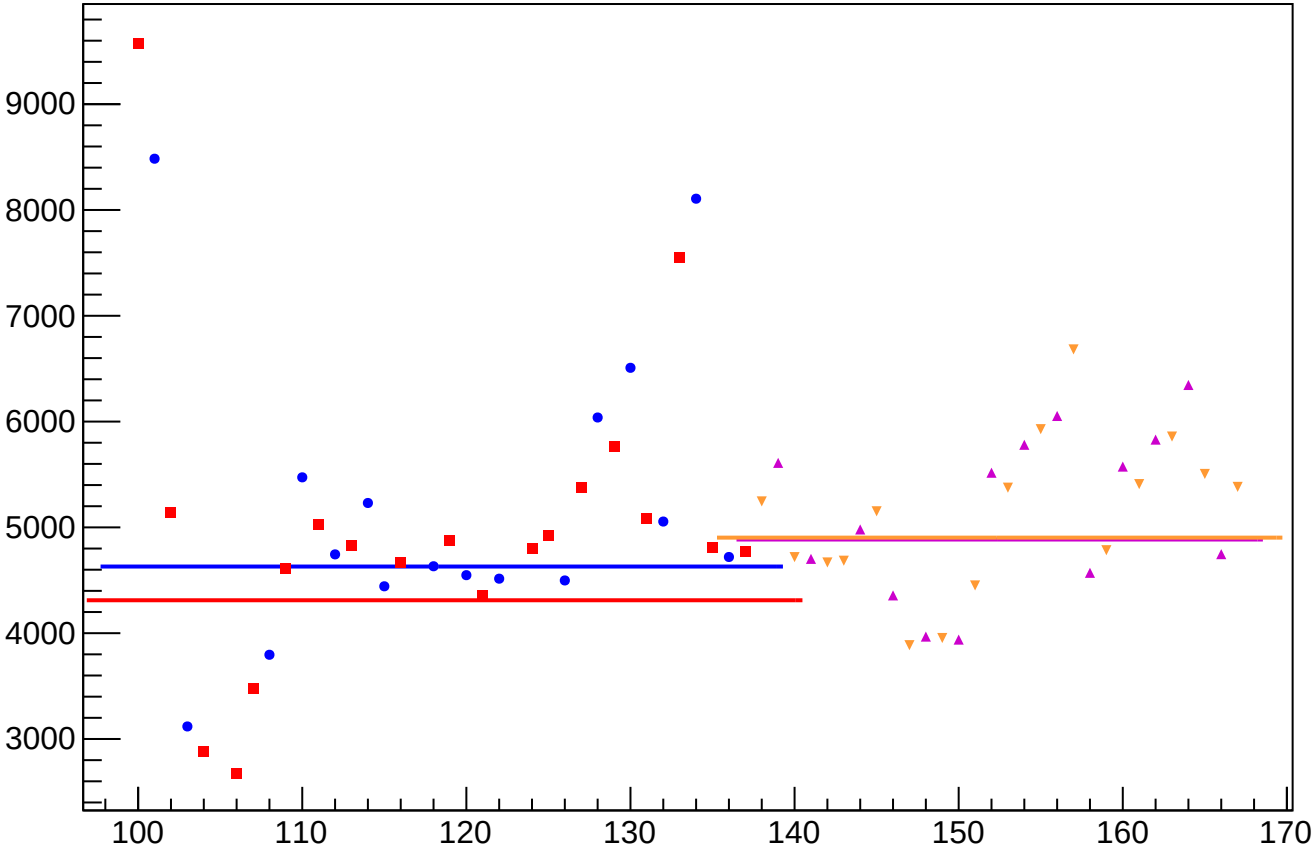
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2488.927+/-1128.420 χ^2/NDF:25.4/29

Out: 1835.451+/-1073.800 χ^2/NDF:33.3/34

All: 2145.991+/-777.884 χ^2/NDF: 59.0/64

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4903.170+/-0.991 χ^2/NDF:508502.3/15

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4885.292+/-1.031 χ^2/NDF:516417.7/13

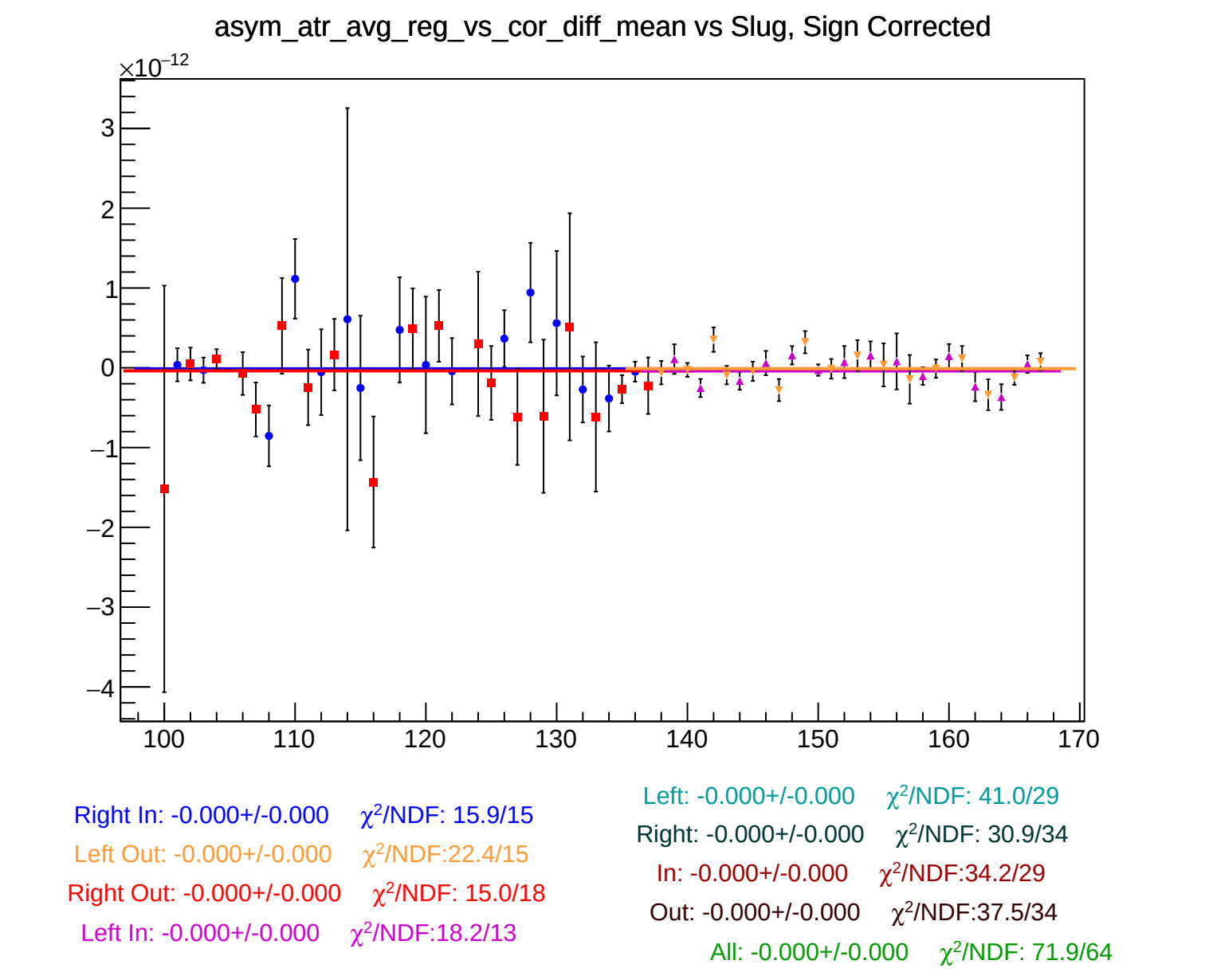
Left: 4894.588+/-0.714 χ^2/NDF: 1025076.4/29

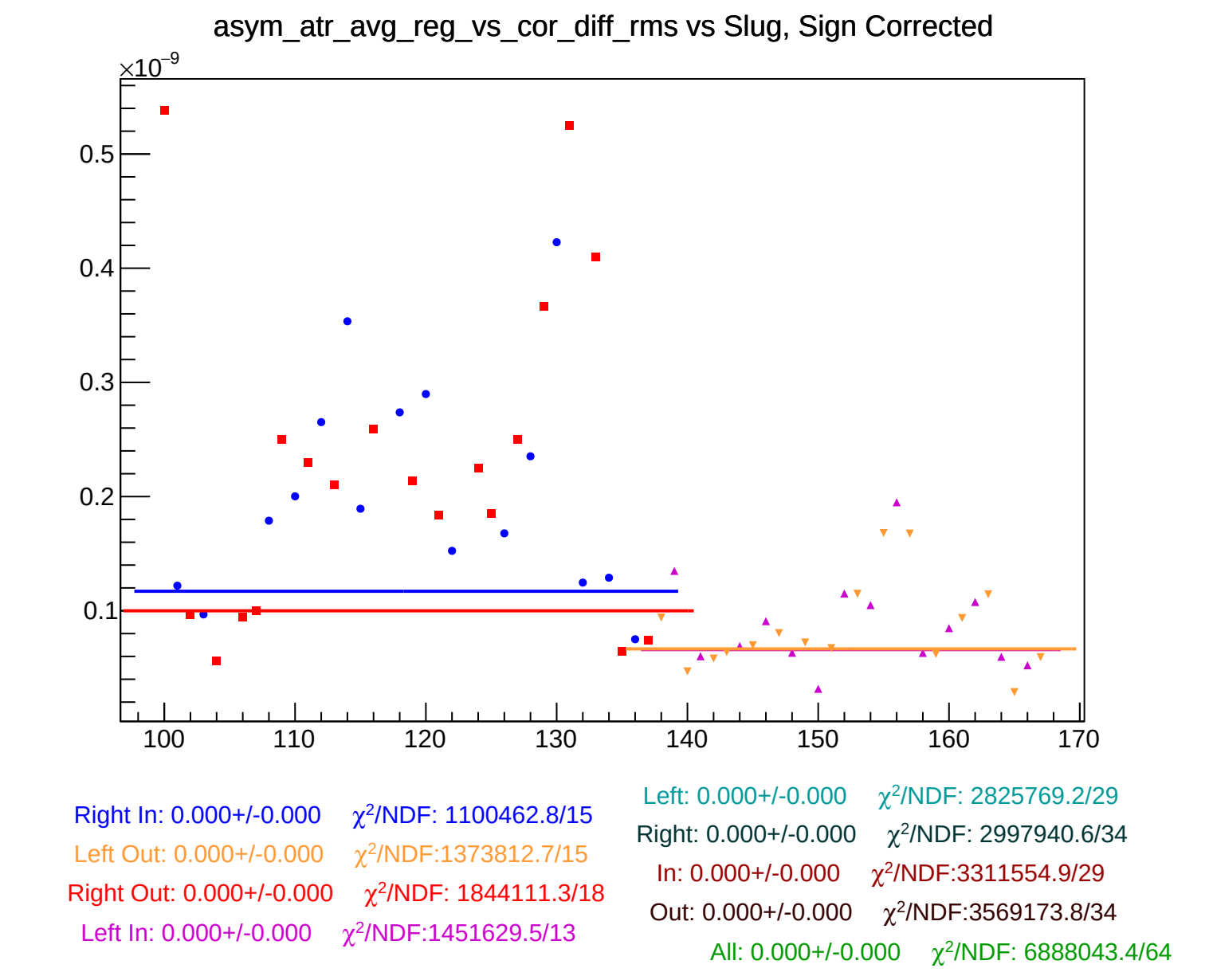
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

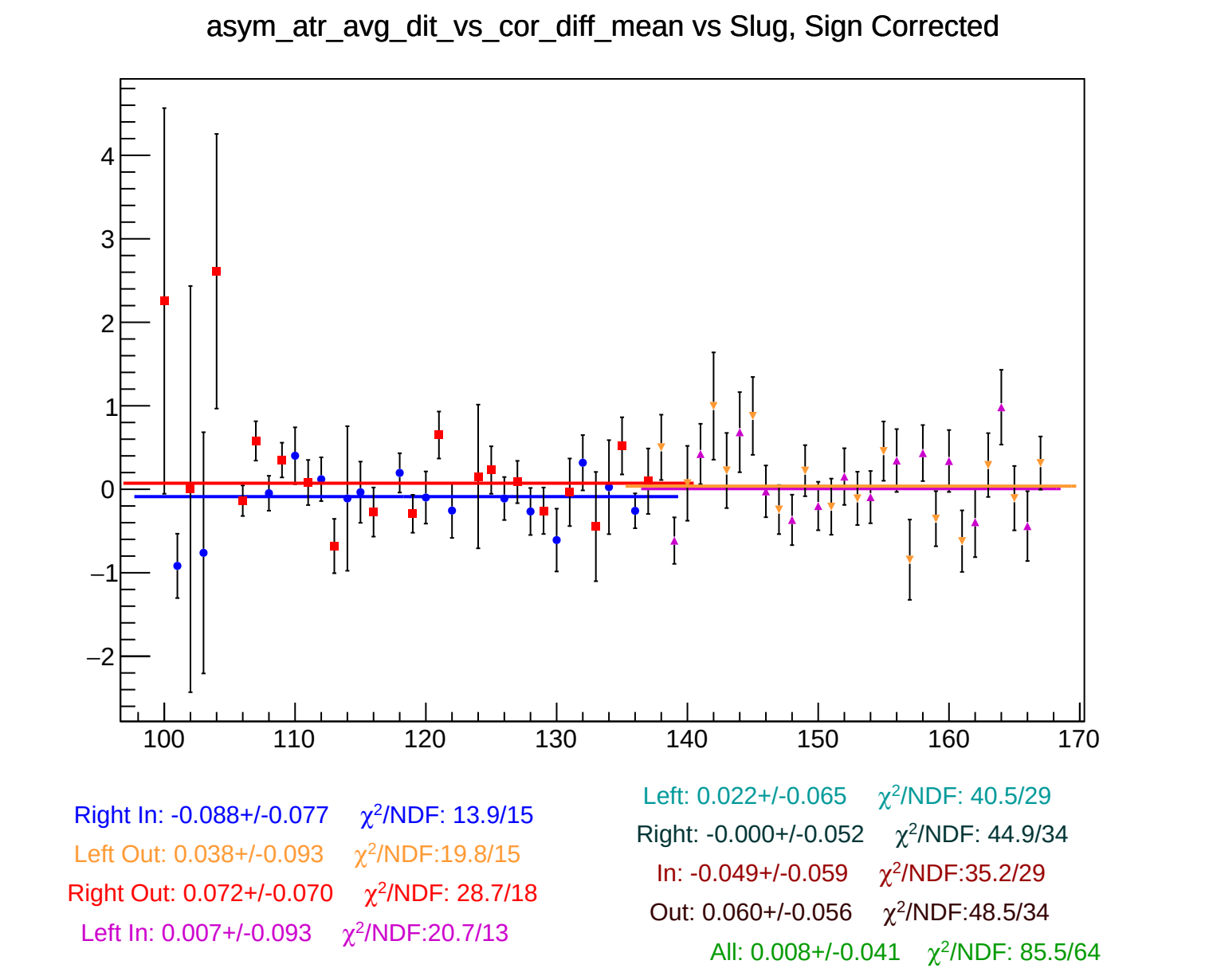
In: 4782.914+/-0.798 χ^2/NDF:1441258.3/29

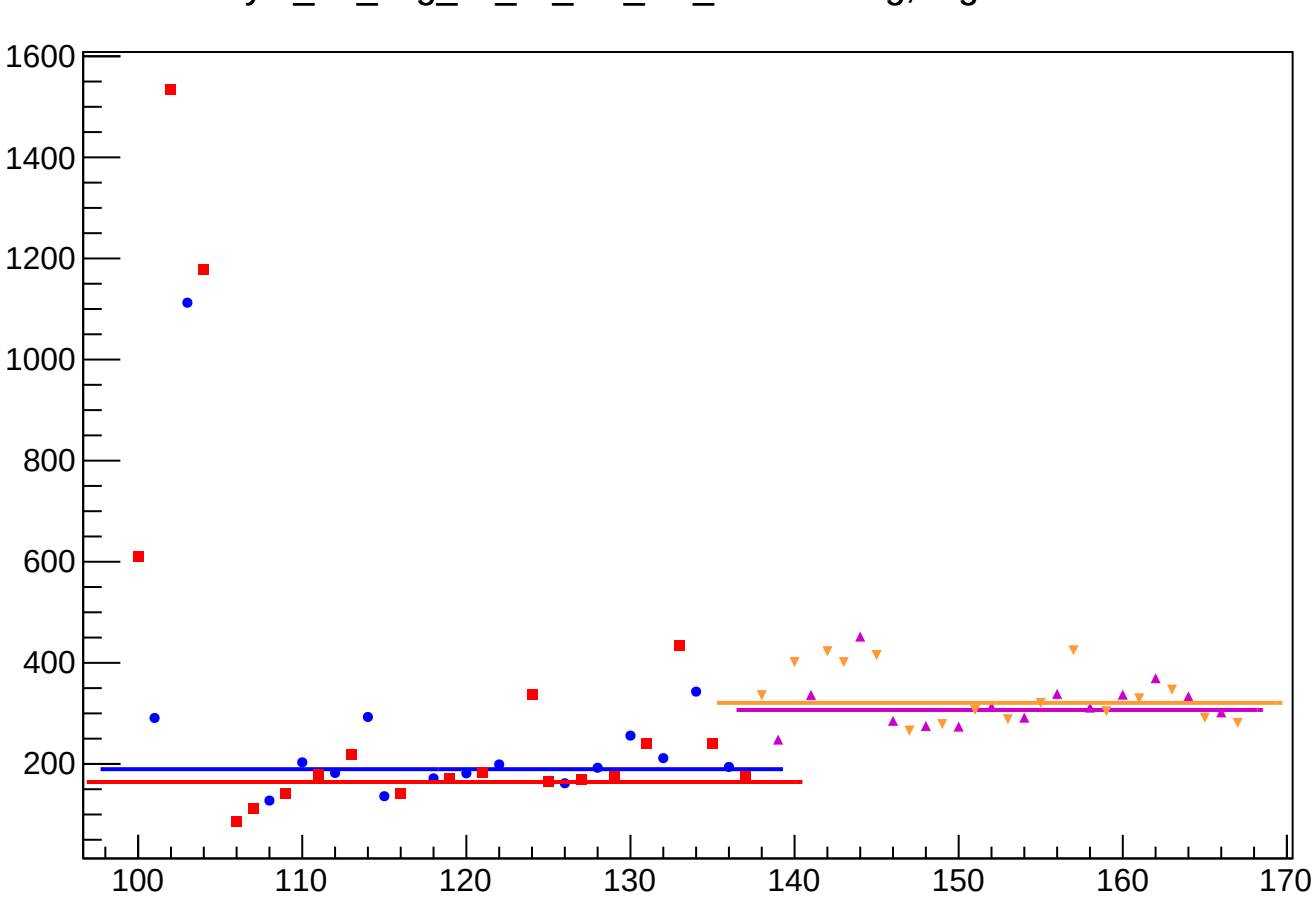
Out: 4656.485+/-0.757 χ^2/NDF:1562042.2/34

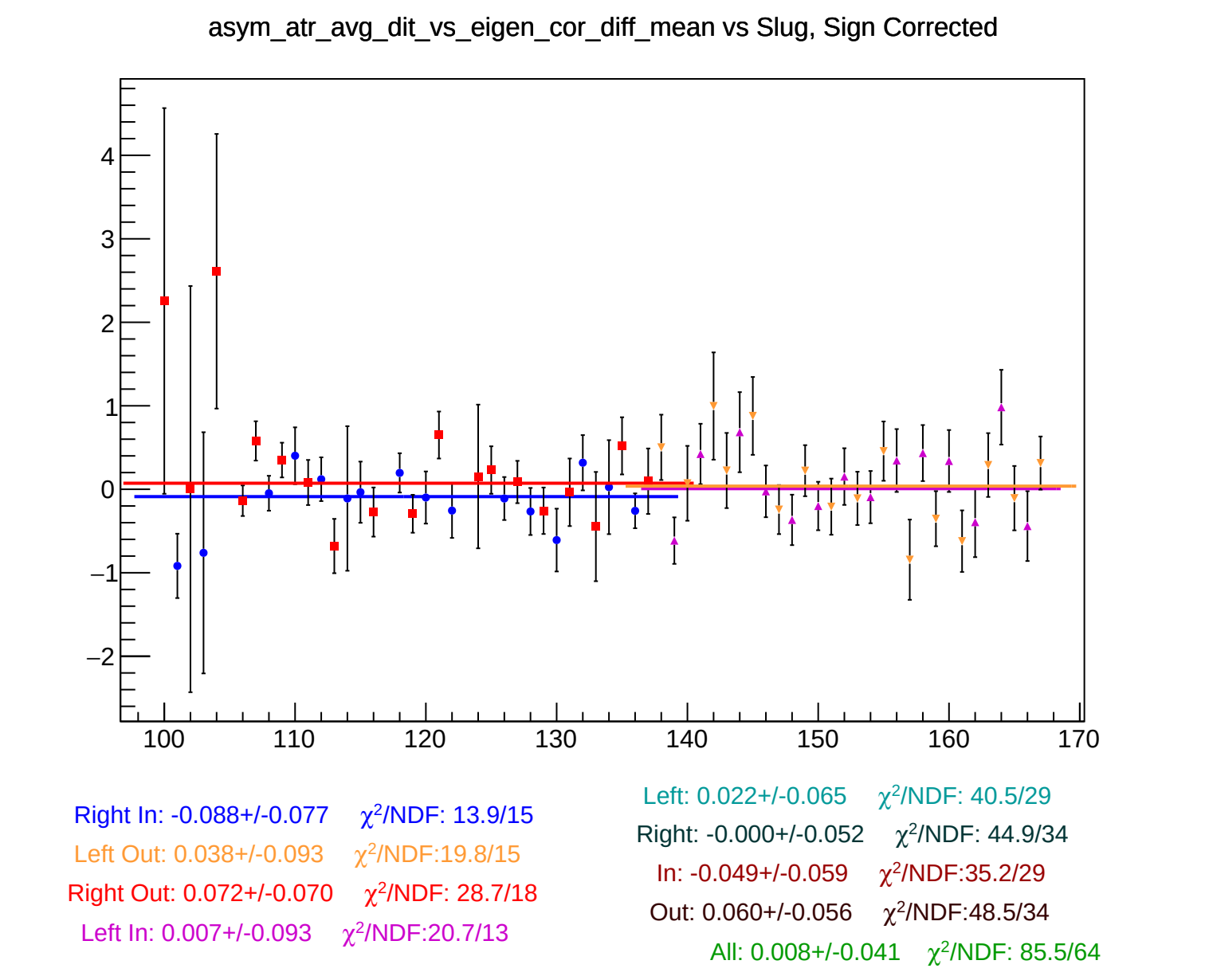
All: 4716.339+/-0.549 χ^2/NDF: 3016521.2/64

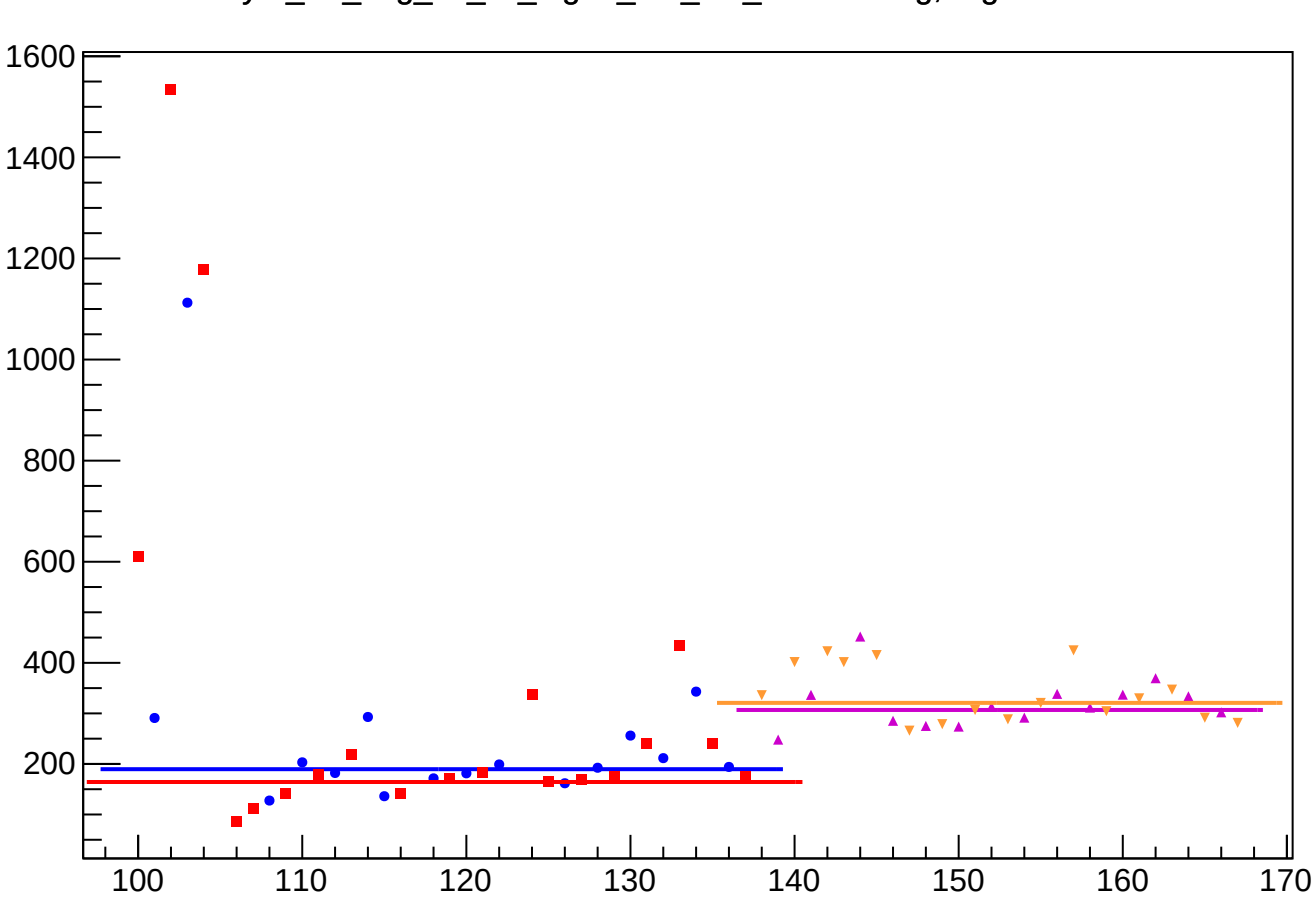

asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:22.4/15
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:18.2/13
Left: -0.000+/-0.000 χ²/NDF: 41.0/29
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:34.2/29
Out: -0.000+/-0.000 χ²/NDF:37.5/34
All: -0.000+/-0.000 χ²/NDF: 71.9/64


asym_atr_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1373812.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1451629.5/13
Left: 0.000+/-0.000 χ²/NDF: 2825769.2/29
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:3311554.9/29
Out: 0.000+/-0.000 χ²/NDF:3569173.8/34
All: 0.000+/-0.000 χ²/NDF: 6888043.4/64


asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.038+/-0.093 χ²/NDF:19.8/15
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: 0.007+/-0.093 χ²/NDF:20.7/13
Left: 0.022+/-0.065 χ²/NDF: 40.5/29
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.049+/-0.059 χ²/NDF:35.2/29
Out: 0.060+/-0.056 χ²/NDF:48.5/34
All: 0.008+/-0.041 χ²/NDF: 85.5/64


asym_atr_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 189.628+/-0.054 χ²/NDF: 1465476.9/15
Left Out: 320.813+/-0.065 χ²/NDF:548530.8/15
Right Out: 164.287+/-0.050 χ²/NDF: 2643490.2/18
Left In: 306.772+/-0.065 χ²/NDF:428502.9/13
Left: 313.795+/-0.046 χ²/NDF: 1000029.5/29
Right: 175.794+/-0.037 χ²/NDF: 4227942.3/34
In: 237.343+/-0.042 χ²/NDF:3790841.3/29
Out: 221.236+/-0.039 χ²/NDF:6828945.6/34
All: 228.833+/-0.029 χ²/NDF: 10698272.6/64


asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.038+/-0.093 χ²/NDF:19.8/15
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: 0.007+/-0.093 χ²/NDF:20.7/13
Left: 0.022+/-0.065 χ²/NDF: 40.5/29
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.049+/-0.059 χ²/NDF:35.2/29
Out: 0.060+/-0.056 χ²/NDF:48.5/34
All: 0.008+/-0.041 χ²/NDF: 85.5/64



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 320.813+/-0.065 χ^2/NDF:548530.8/15

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 306.772+/-0.065 χ^2/NDF:428502.9/13

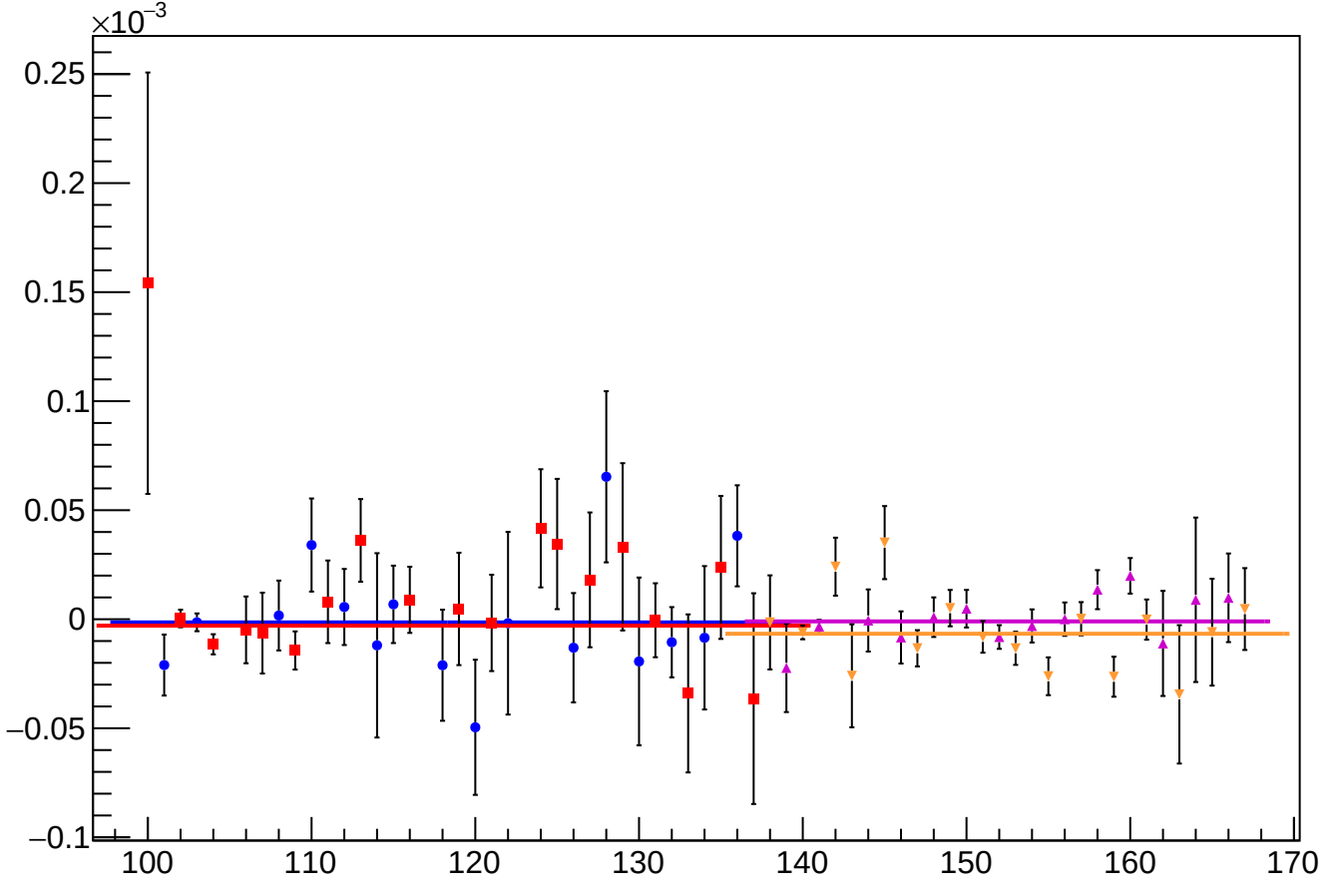
Left: 313.795+/-0.046 χ^2/NDF: 1000029.5/29

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 237.343+/-0.042 χ^2/NDF:3790841.3/29

Out: 221.236+/-0.039 χ^2/NDF:6828945.6/34

All: 228.833+/-0.029 χ^2/NDF: 10698272.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/13

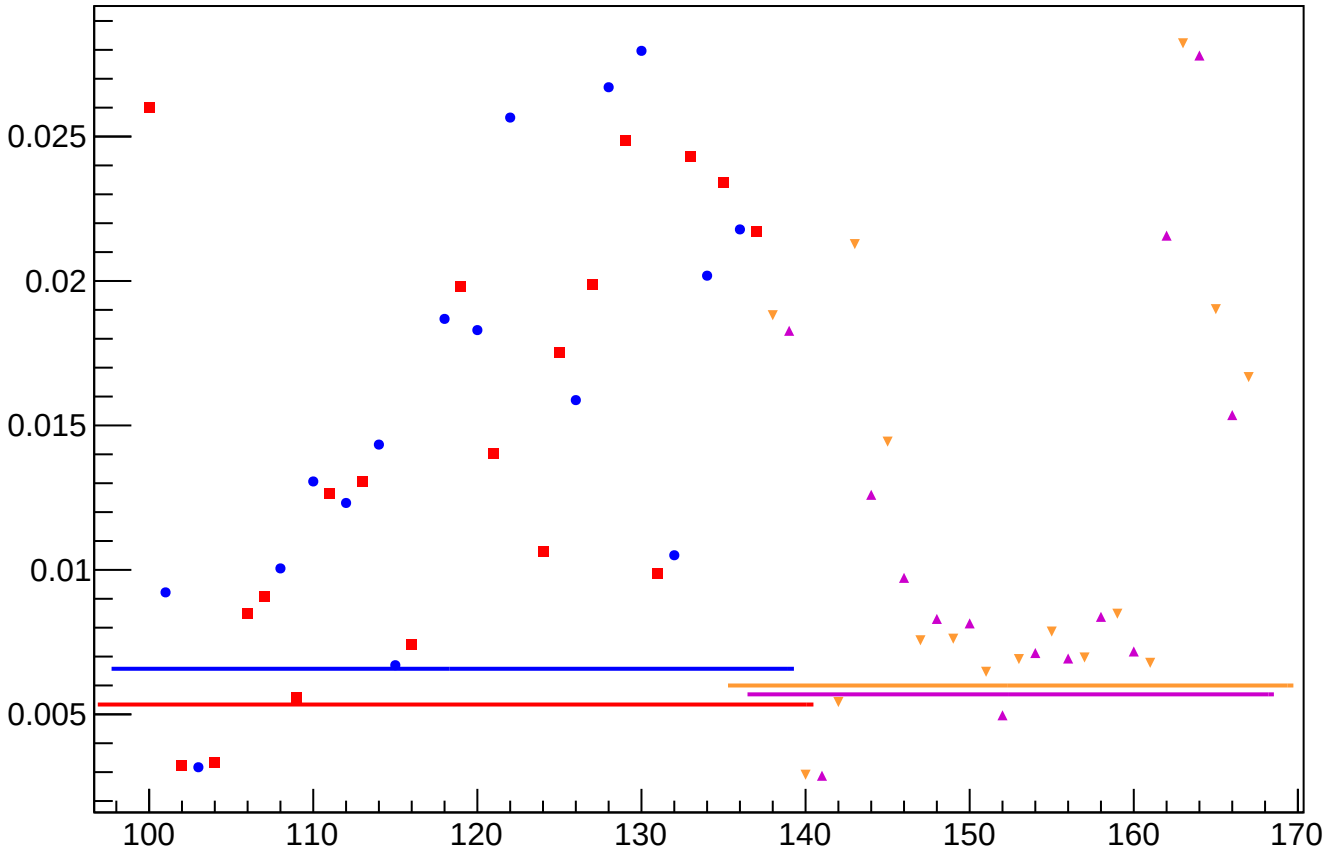
Left: -0.000+/-0.000 χ^2/NDF: 45.9/29

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:29.0/29

Out: -0.000+/-0.000 χ^2/NDF:50.5/34

All: -0.000+/-0.000 χ^2/NDF: 82.5/64



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:6611379.3/15

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:5905825.3/13

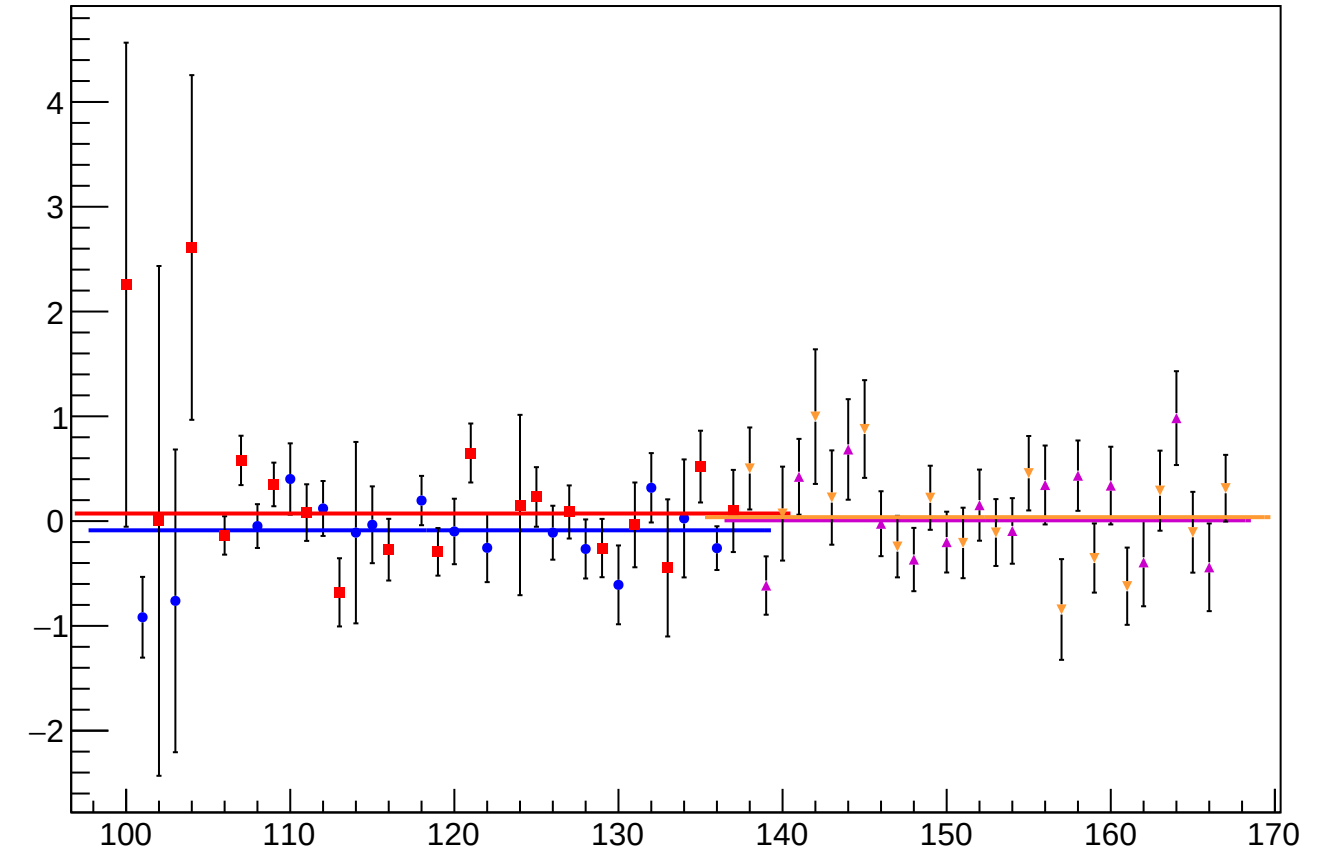
Left: 0.006+/-0.000 χ^2/NDF: 12539923.2/29

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:11938209.1/29

Out: 0.006+/-0.000 χ^2/NDF:12377614.5/34

All: 0.006+/-0.000 χ^2/NDF: 24328782.7/64



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.038+/-0.093 χ^2/NDF:19.8/15

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.007+/-0.093 χ^2/NDF:20.7/13

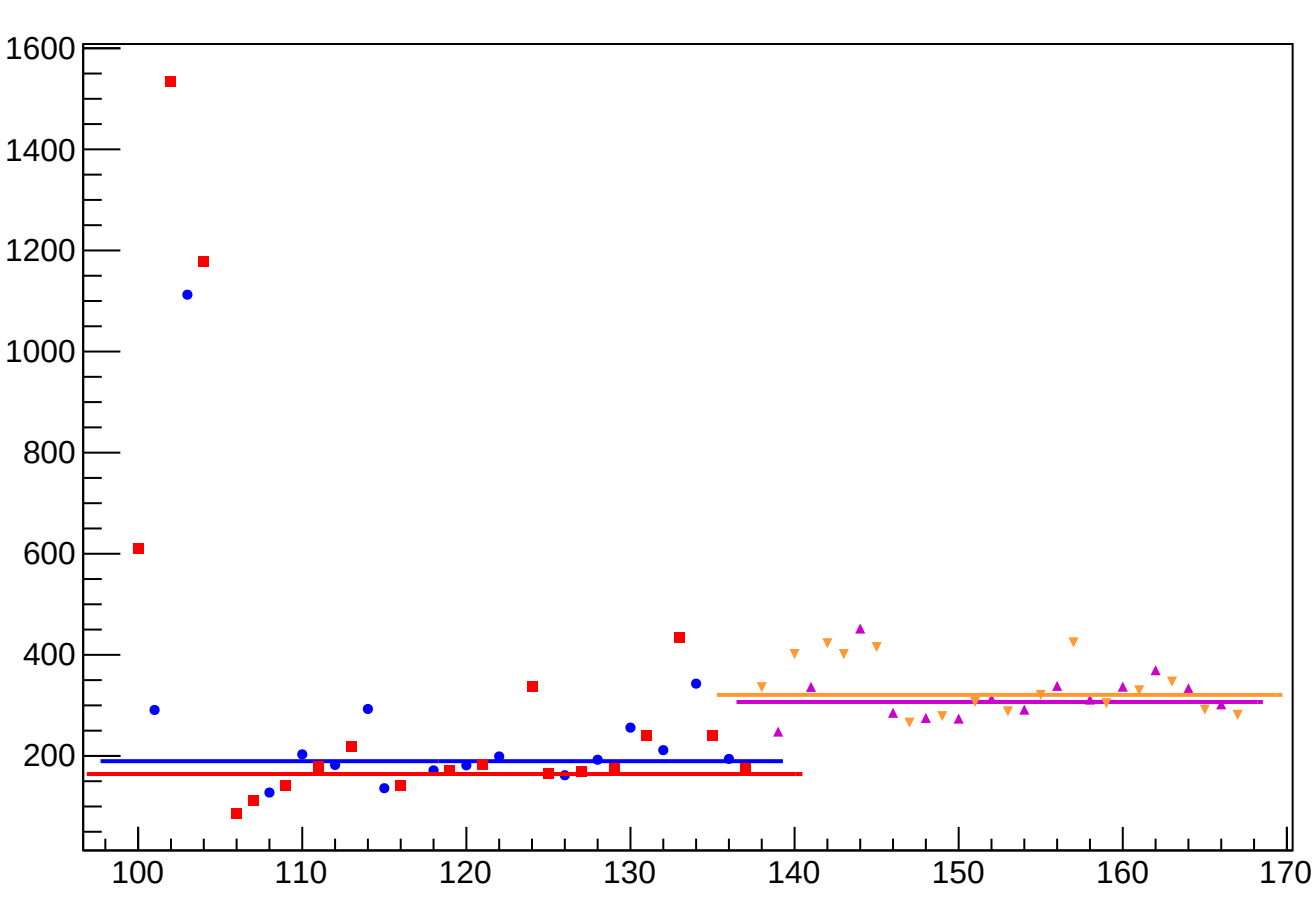
Left: 0.022+/-0.065 χ^2/NDF: 40.5/29

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.049+/-0.059 χ^2/NDF:35.2/29

Out: 0.060+/-0.056 χ^2/NDF:48.5/34

All: 0.008+/-0.041 χ^2/NDF: 85.5/64



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 320.819+/-0.065 χ^2/NDF:548519.2/15

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 306.777+/-0.065 χ^2/NDF:428498.5/13

Left: 313.799+/-0.046 χ^2/NDF: 1000015.1/29

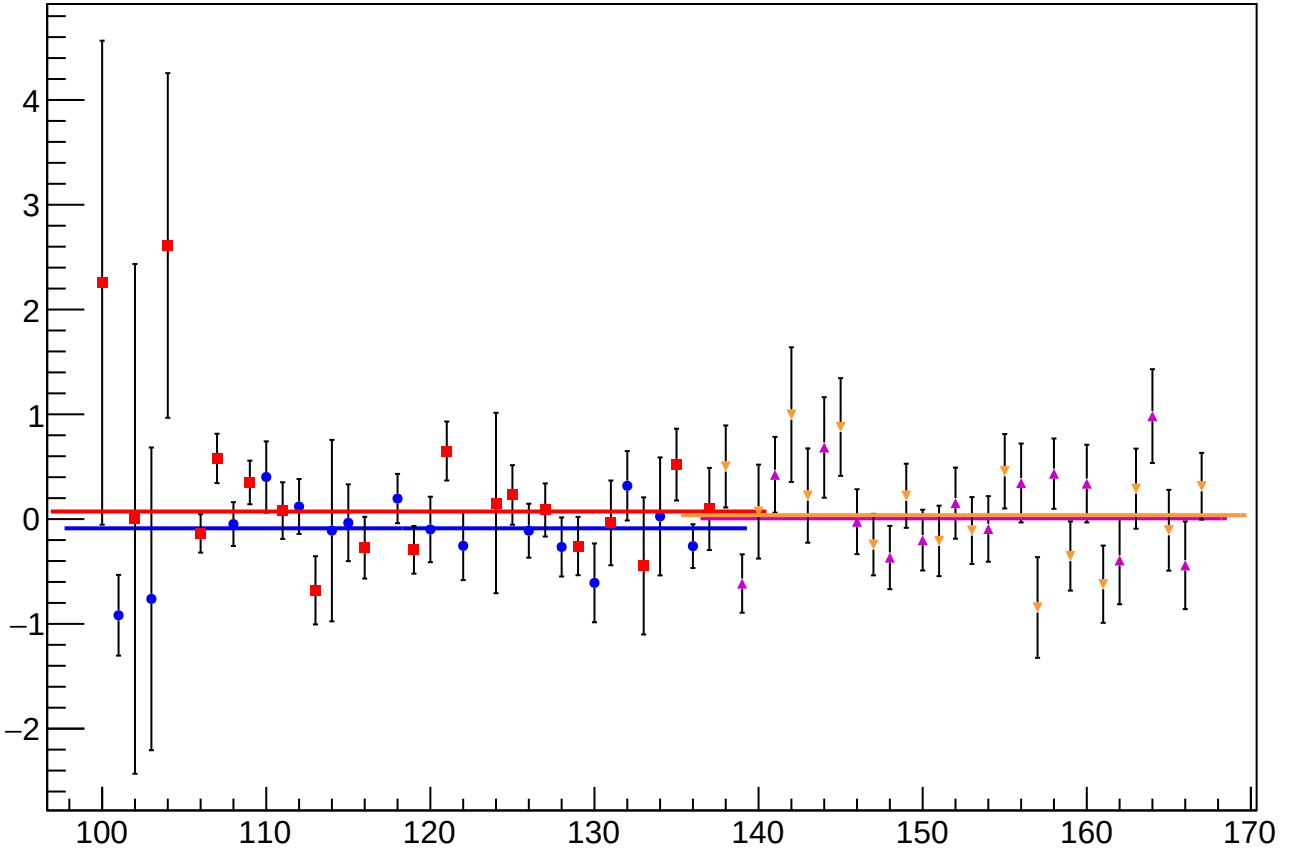
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 237.343+/-0.042 χ^2/NDF:3790966.2/29

Out: 221.235+/-0.039 χ^2/NDF:6829126.1/34

All: 228.833+/-0.029 χ^2/NDF: 10698582.4/64

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.038+/-0.093 χ^2/NDF:19.8/15

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.007+/-0.093 χ^2/NDF:20.7/13

Left: 0.022+/-0.065 χ^2/NDF: 40.5/29

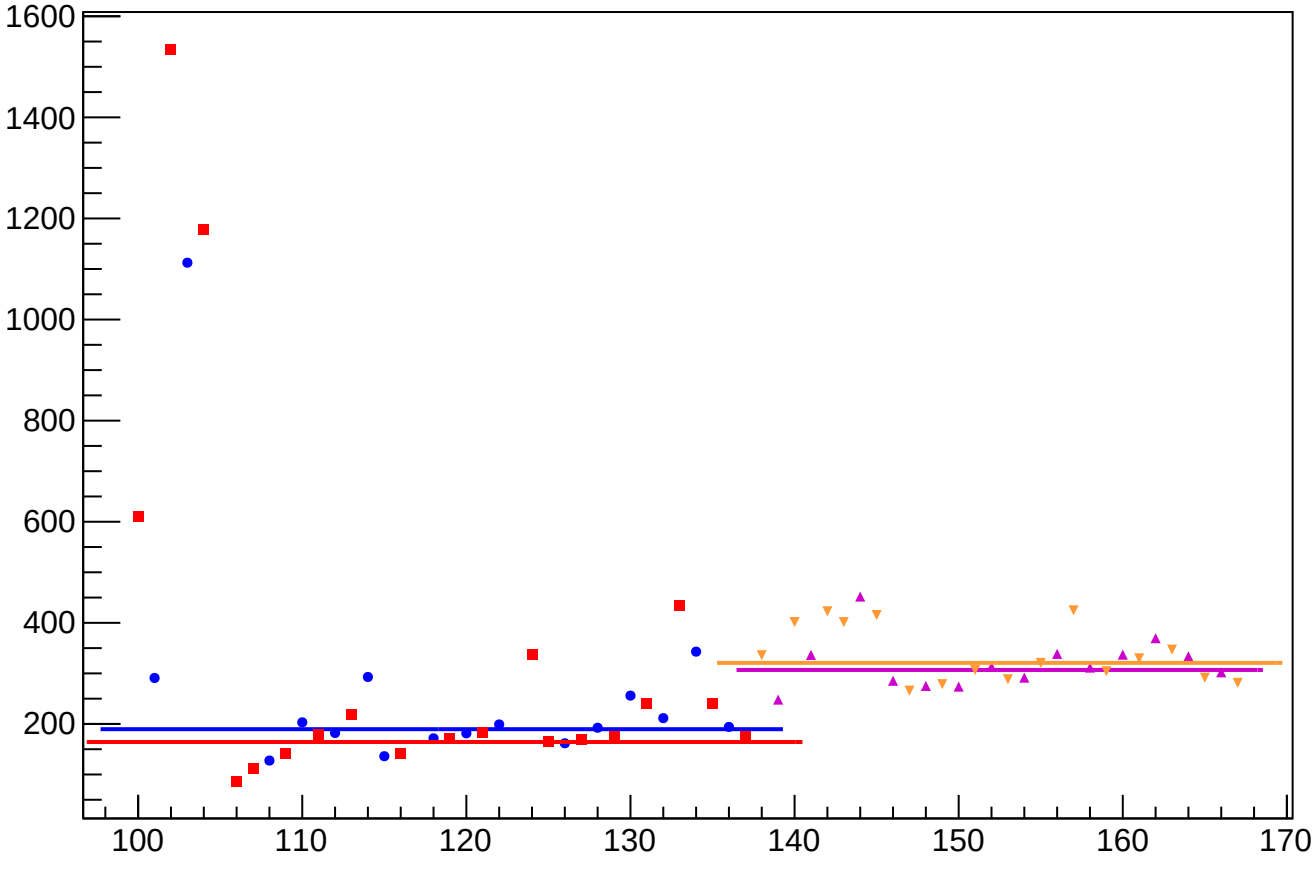
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.049+/-0.059 χ^2/NDF:35.2/29

Out: 0.060+/-0.056 χ^2/NDF:48.5/34

All: 0.008+/-0.041 χ^2/NDF: 85.5/64

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 320.819+/-0.065 χ^2/NDF:548519.2/15

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 306.777+/-0.065 χ^2/NDF:428498.5/13

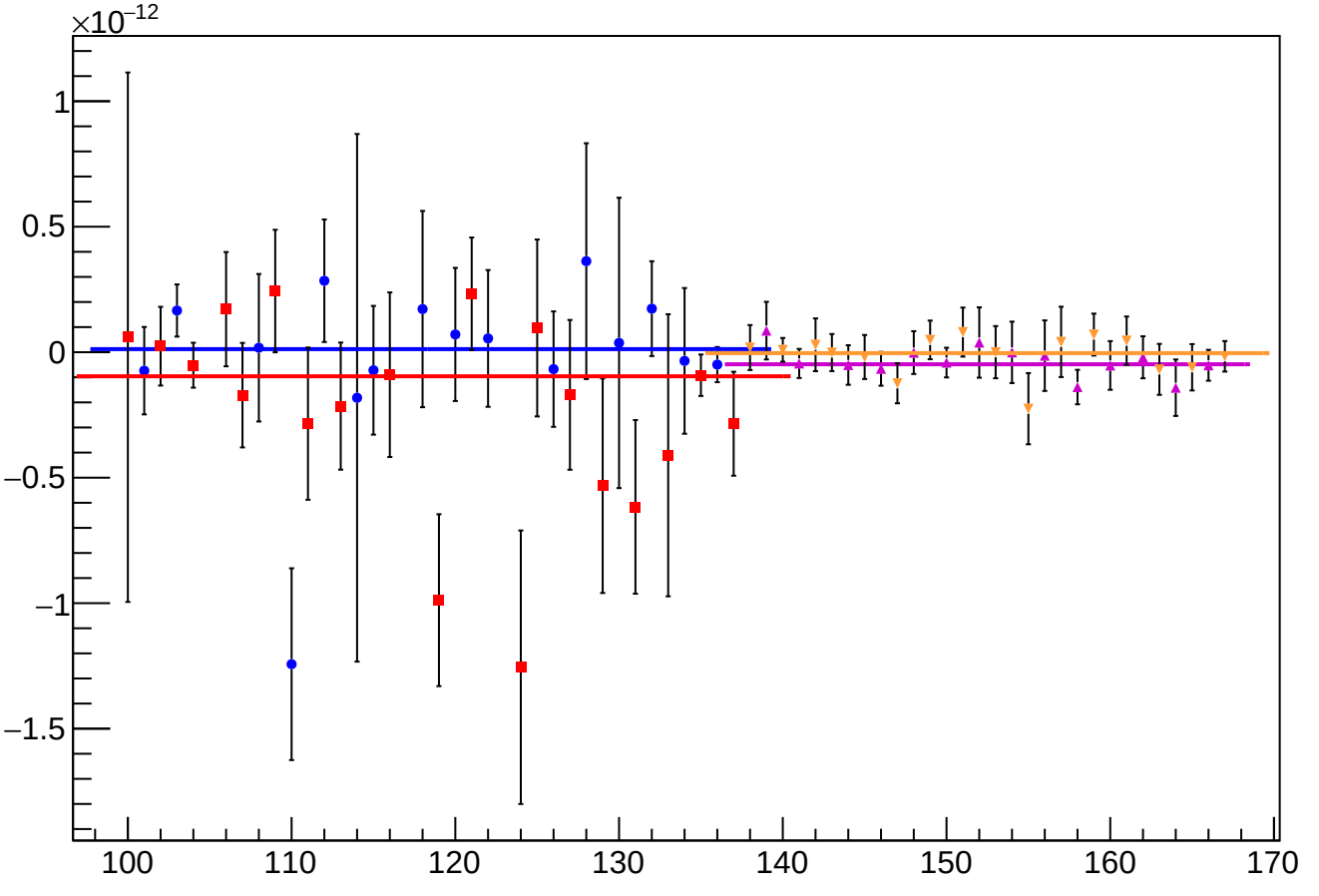
Left: 313.799+/-0.046 χ^2/NDF: 1000015.1/29

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 237.343+/-0.042 χ^2/NDF:3790966.2/29

Out: 221.235+/-0.039 χ^2/NDF:6829126.1/34

All: 228.833+/-0.029 χ^2/NDF: 10698582.4/64



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/13

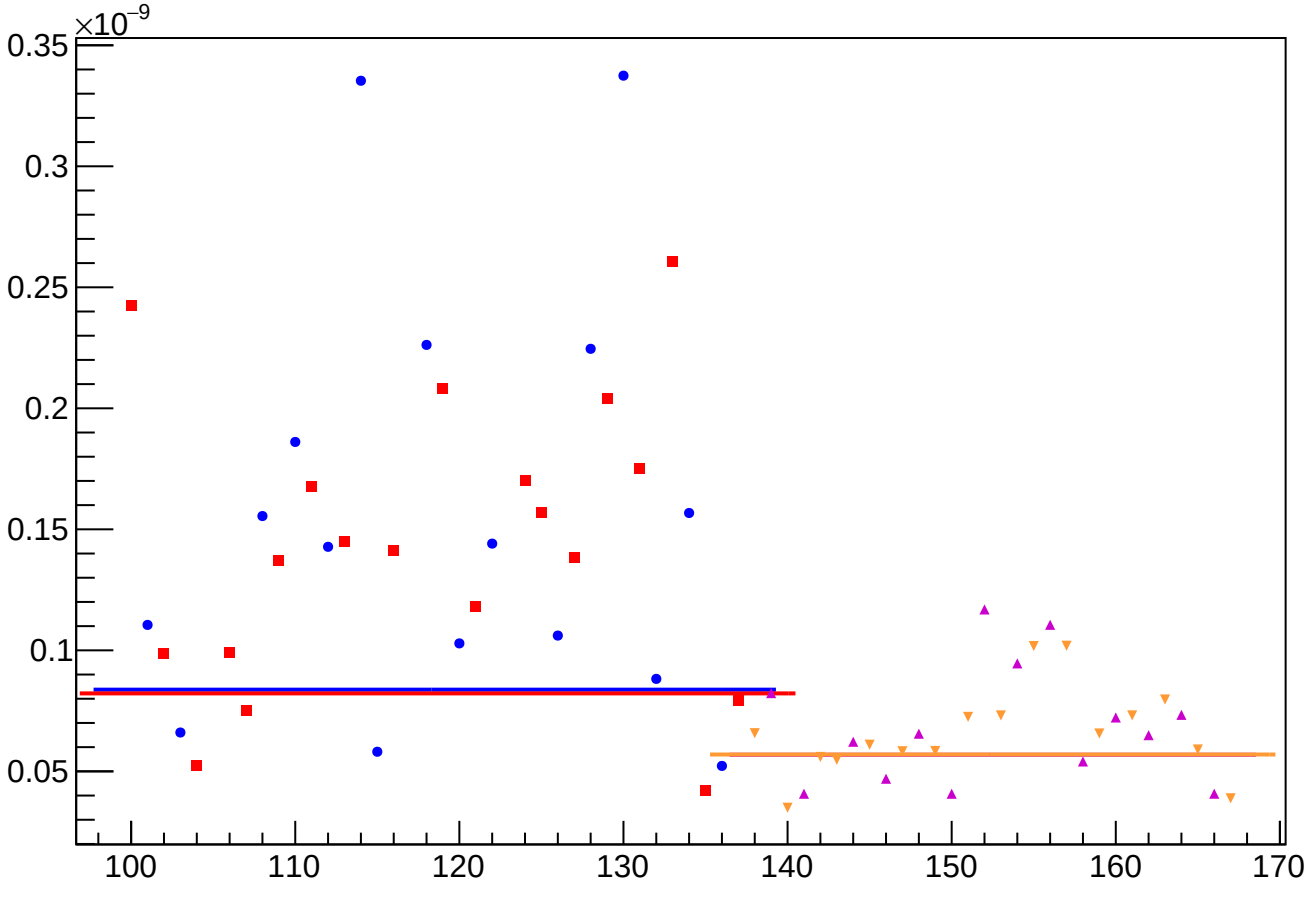
Left: -0.000+/-0.000 χ^2/NDF: 15.2/29

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:23.4/29

Out: -0.000+/-0.000 χ^2/NDF:34.8/34

All: -0.000+/-0.000 χ^2/NDF: 58.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1318585.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1575818.2/13

Left: 0.000+/-0.000 χ^2/NDF: 2894431.8/29

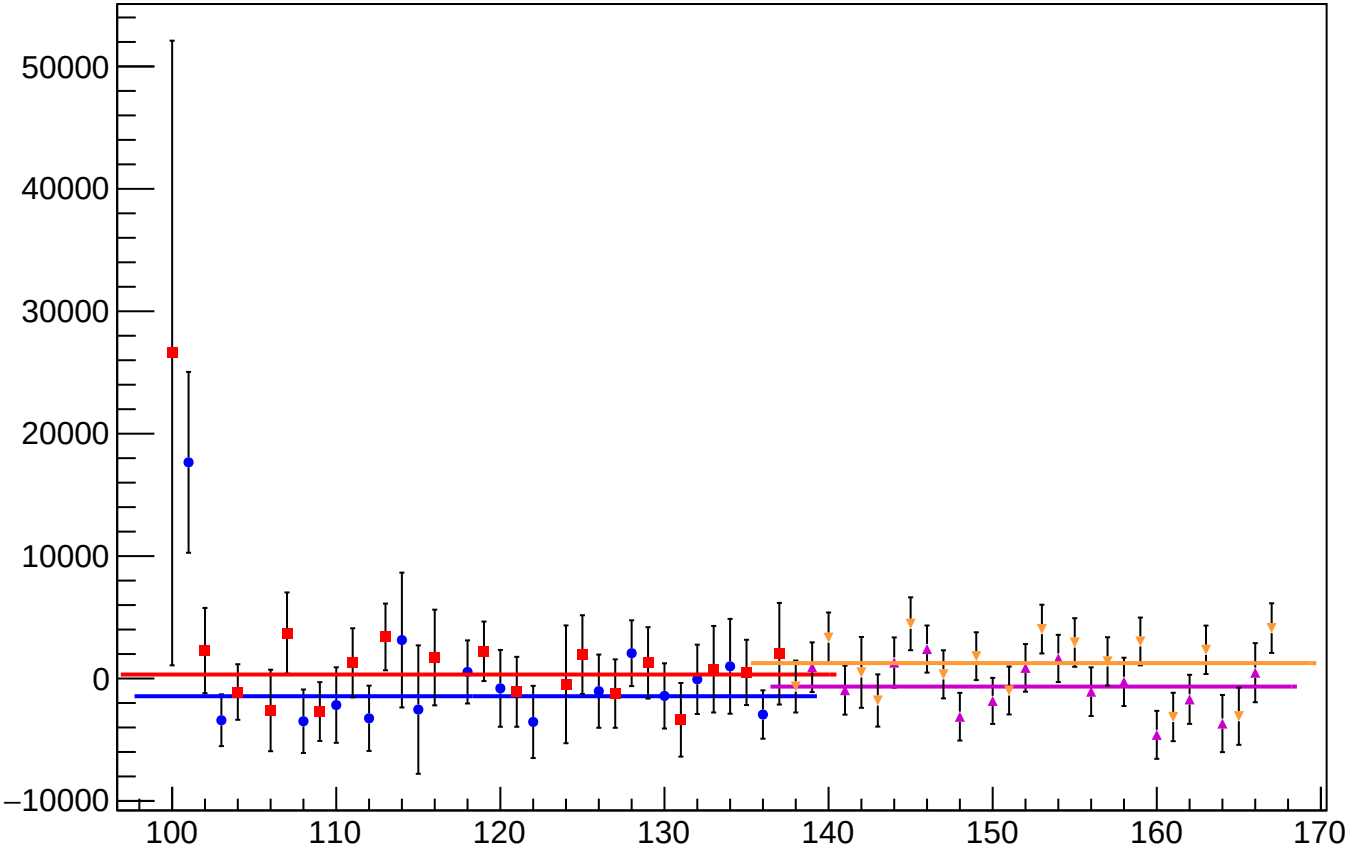
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4254720.9/29

Out: 0.000+/-0.000 χ^2/NDF:4115025.4/34

All: 0.000+/-0.000 χ^2/NDF: 8370095.9/64

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1259.978+/-515.800 χ^2/NDF:22.0/15

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -659.120+/-538.166 χ^2/NDF:14.4/13

Left: 341.136+/-372.381 χ^2/NDF: 43.0/29

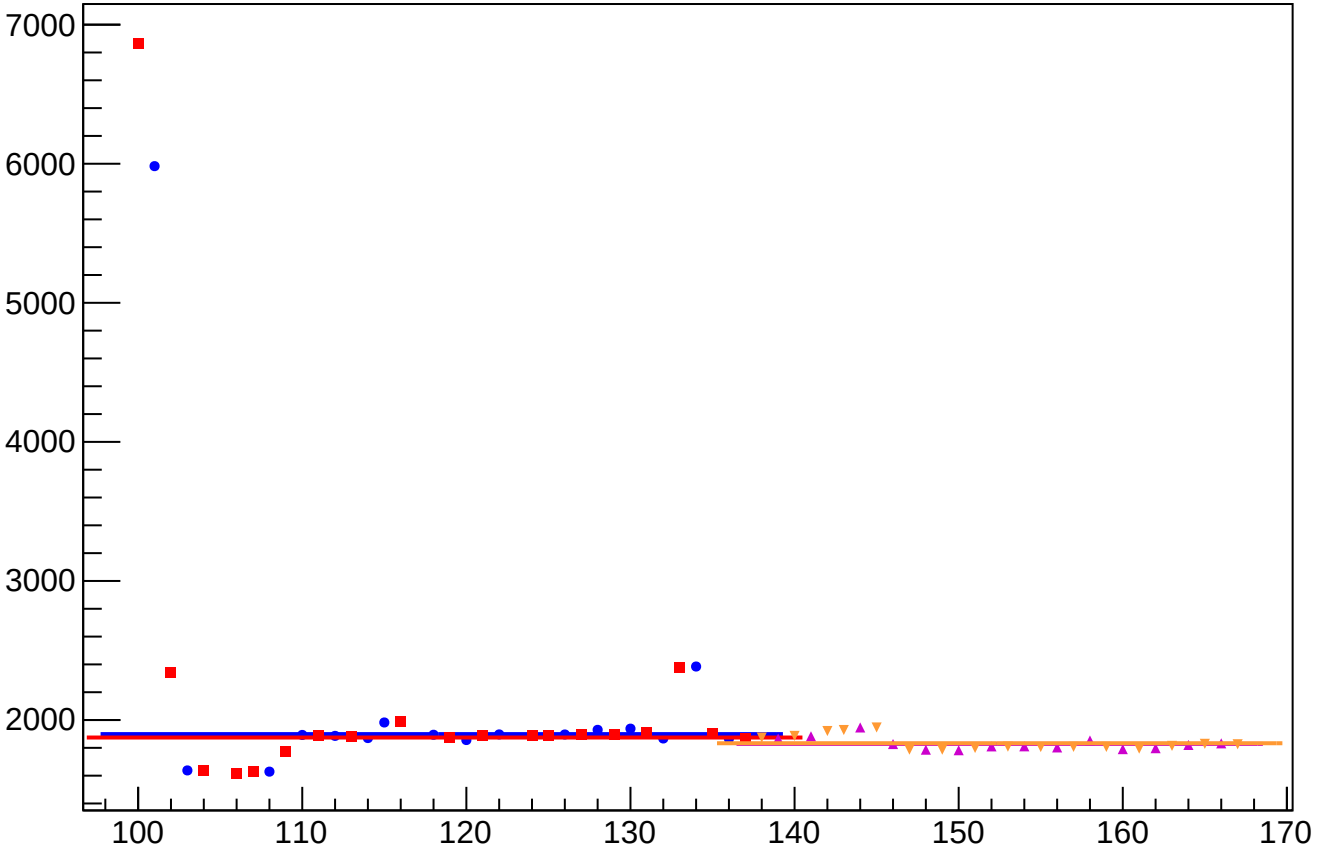
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -939.786+/-431.730 χ^2/NDF:28.7/29

Out: 932.891+/-415.795 χ^2/NDF:33.1/34

All: 31.749+/-299.487 χ^2/NDF: 71.5/64

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1833.097+/-0.365 χ^2/NDF:18635.5/15

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1828.298+/-0.381 χ^2/NDF:13141.6/13

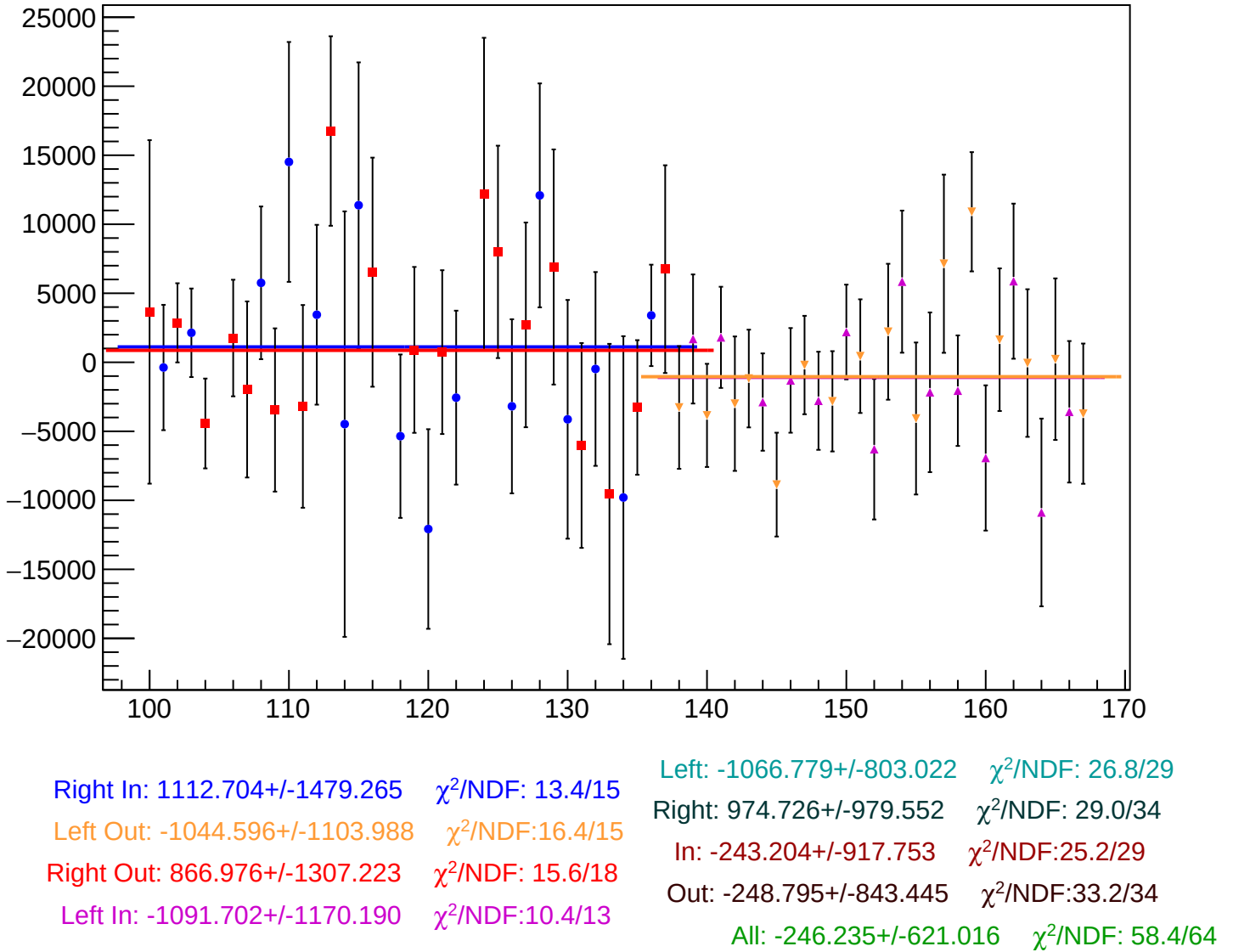
Left: 1830.799+/-0.263 χ^2/NDF: 31860.0/29

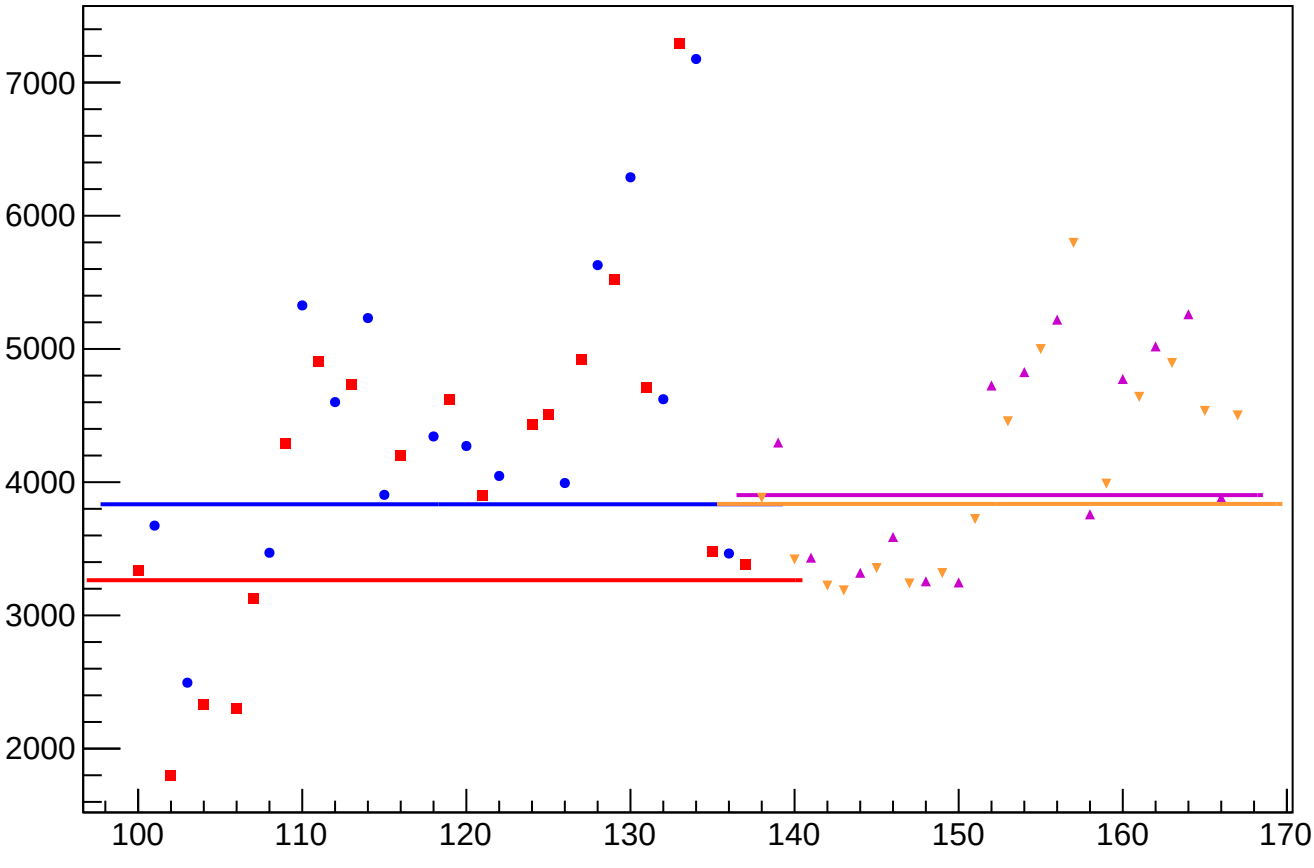
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1853.437+/-0.305 χ^2/NDF:722899.1/29

Out: 1847.571+/-0.294 χ^2/NDF:230771.3/34

All: 1850.390+/-0.212 χ^2/NDF: 953862.2/64


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -1044.596+/-1103.988 χ²/NDF:16.4/15
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -1091.702+/-1170.190 χ²/NDF:10.4/13
Left: -1066.779+/-803.022 χ²/NDF: 26.8/29
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: -243.204+/-917.753 χ²/NDF:25.2/29
Out: -248.795+/-843.445 χ²/NDF:33.2/34
All: -246.235+/-621.016 χ²/NDF: 58.4/64



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3836.791+/-0.781 χ^2/NDF:752147.3/15

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3902.927+/-0.827 χ^2/NDF:691127.0/13

Left: 3867.935+/-0.568 χ^2/NDF: 1446654.3/29

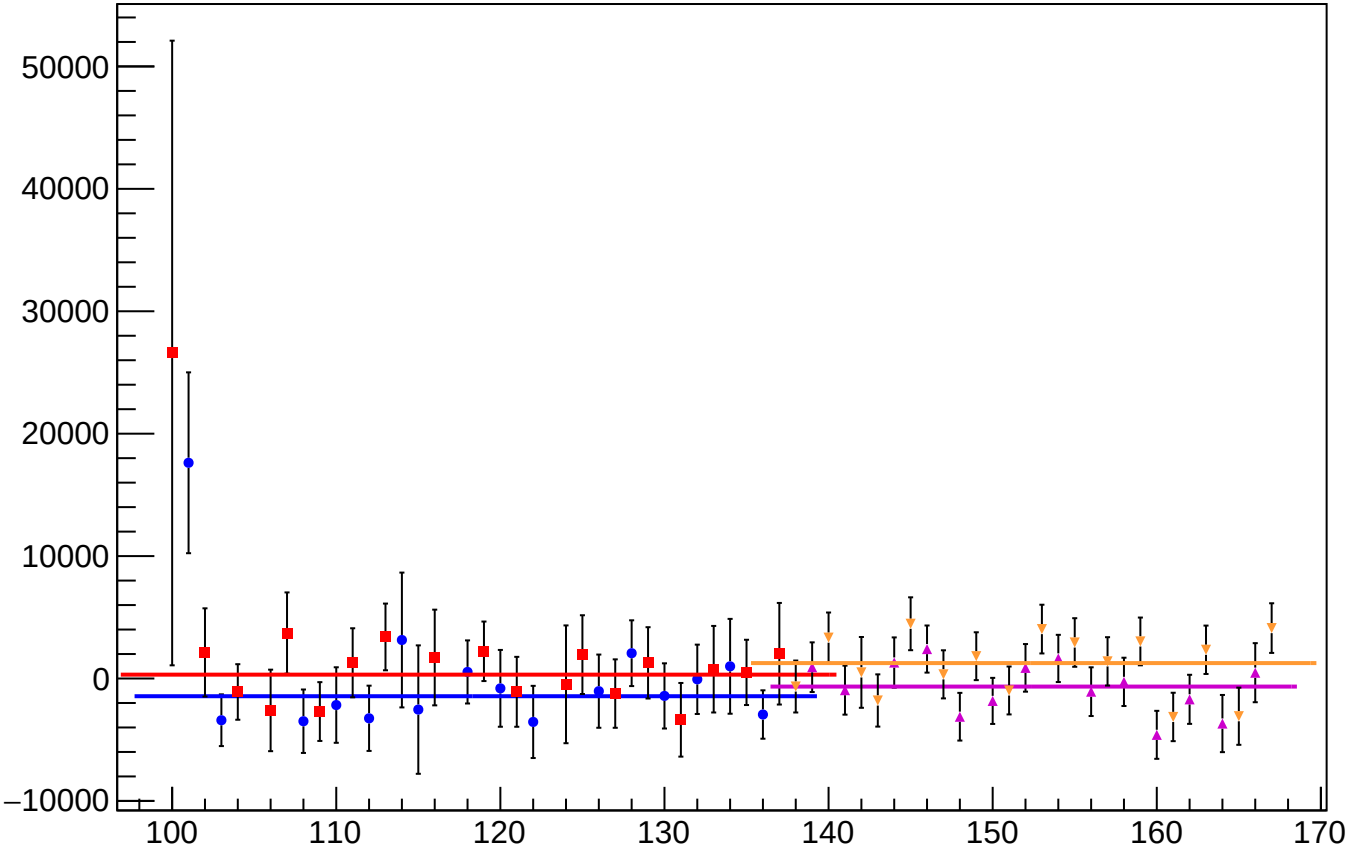
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3876.459+/-0.649 χ^2/NDF:1650560.8/29

Out: 3598.380+/-0.596 χ^2/NDF:2840436.2/34

All: 3725.708+/-0.439 χ^2/NDF: 4590539.5/64

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1260.111+/-515.800 χ^2/NDF:22.0/15

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -659.107+/-538.166 χ^2/NDF:14.4/13

Left: 341.211+/-372.381 χ^2/NDF: 43.0/29

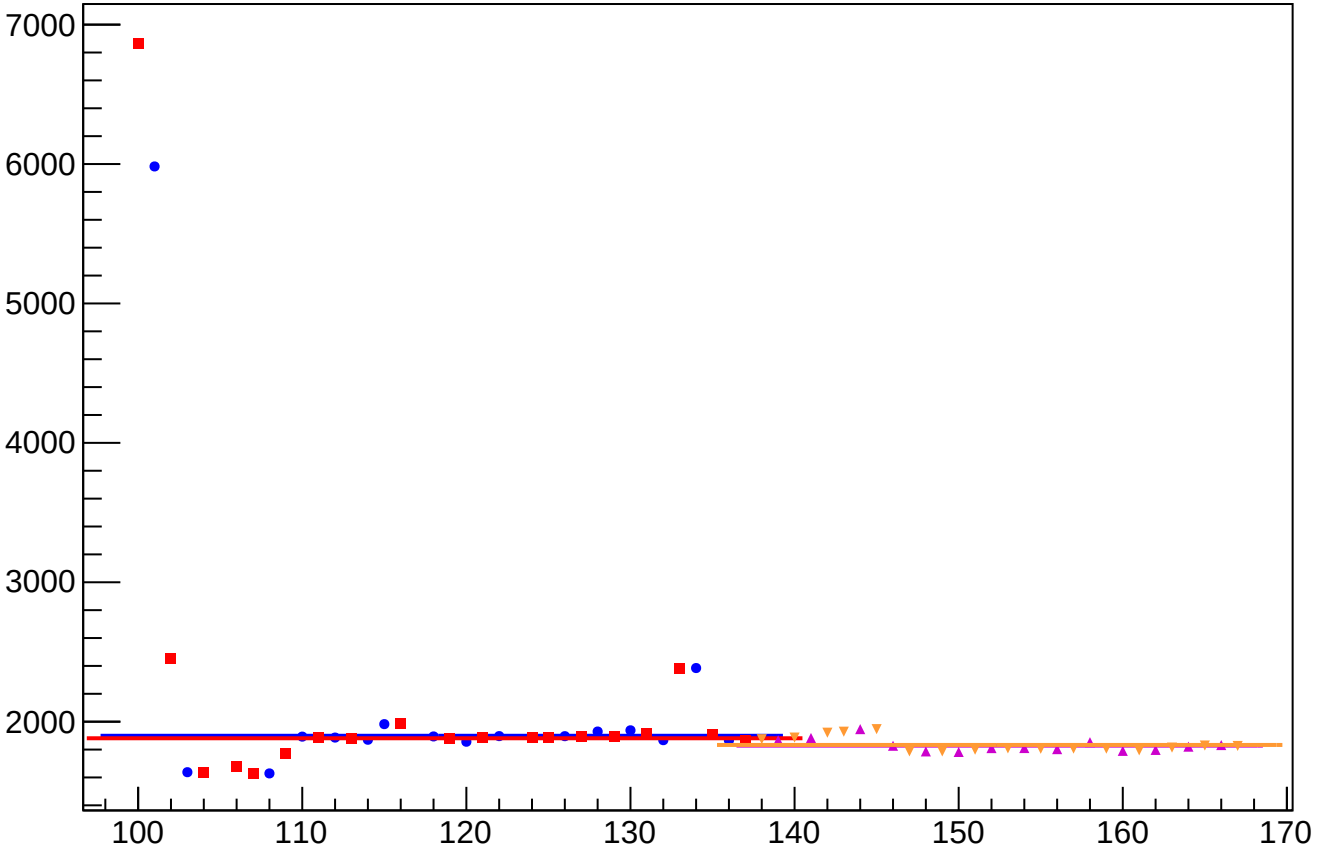
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -939.915+/-431.730 χ^2/NDF:28.6/29

Out: 929.899+/-415.991 χ^2/NDF:33.0/34

All: 29.695+/-299.560 χ^2/NDF: 71.4/64

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.097+/-0.365 χ^2/NDF:18635.5/15

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.298+/-0.381 χ^2/NDF:13141.6/13

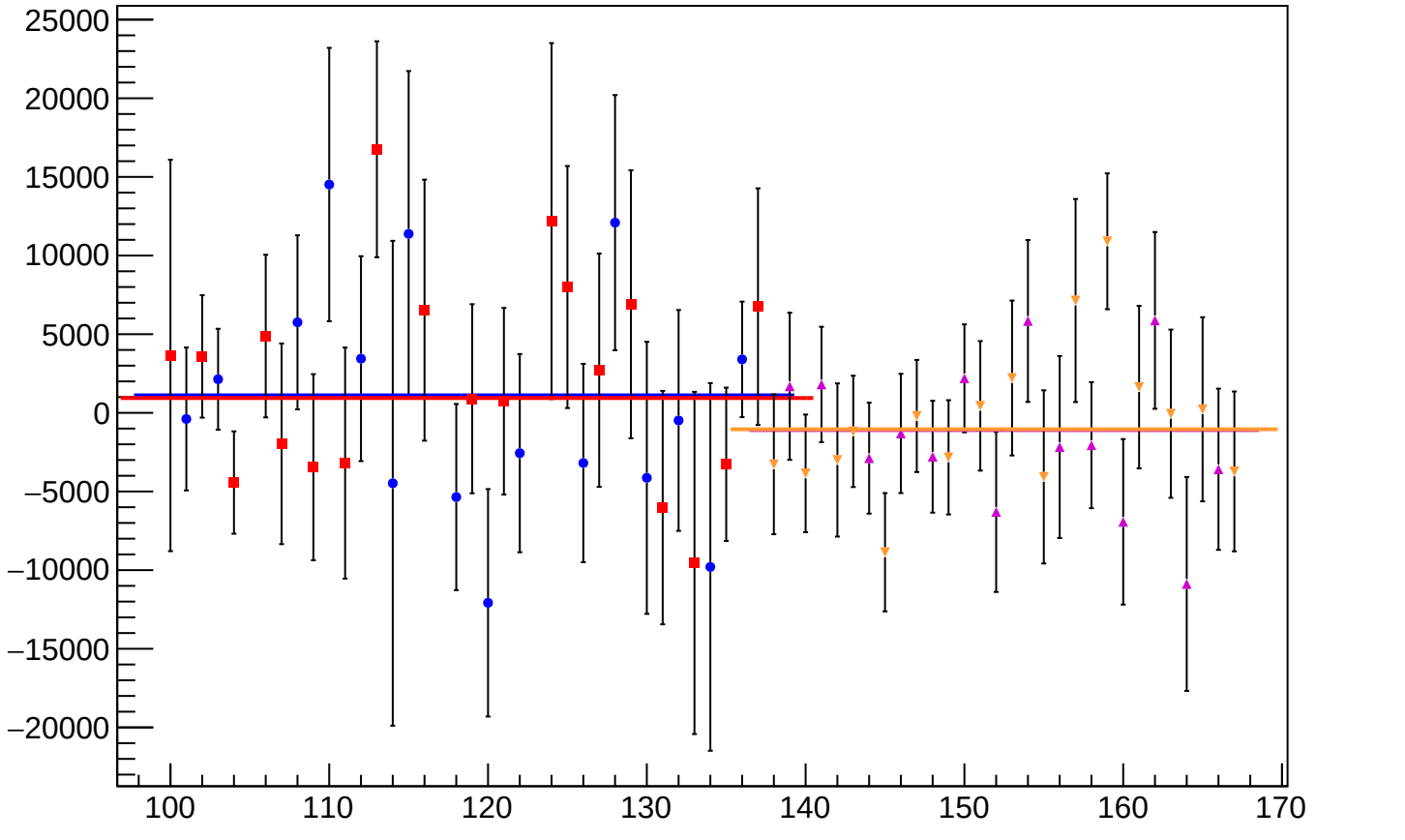
Left: 1830.799+/-0.263 χ^2/NDF: 31860.0/29

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1853.437+/-0.305 χ^2/NDF:722899.2/29

Out: 1849.878+/-0.294 χ^2/NDF:241243.8/34

All: 1851.590+/-0.212 χ^2/NDF: 964213.5/64



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1044.545+/-1103.988 χ^2/NDF:16.4/15

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -1091.783+/-1170.189 χ^2/NDF:10.4/13

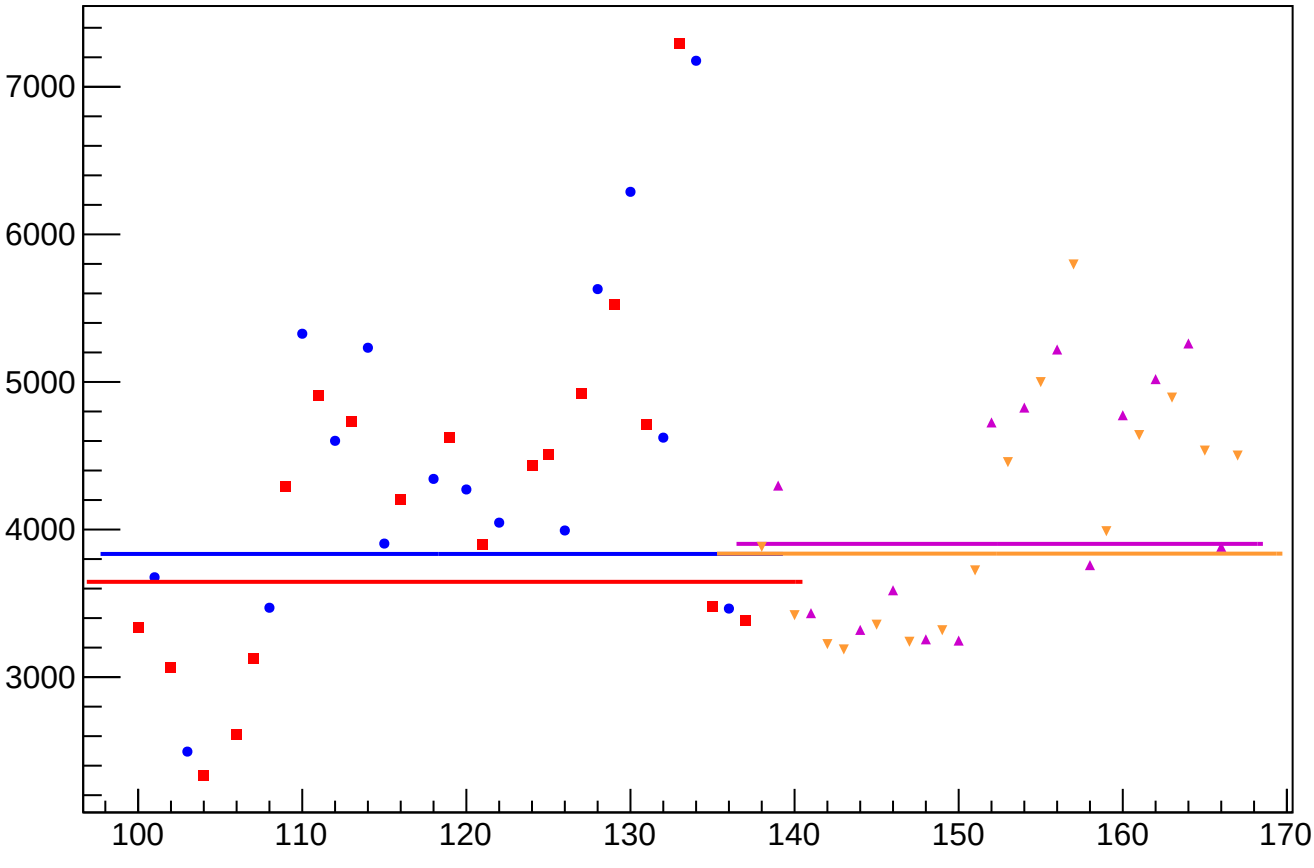
Left: -1066.790+/-803.021 χ^2/NDF: 26.8/29

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: -243.827+/-917.794 χ^2/NDF:25.2/29

Out: -282.696+/-866.645 χ^2/NDF:33.8/34

All: -264.375+/-630.117 χ^2/NDF: 58.9/64



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3836.788+/-0.781 χ^2/NDF:752144.1/15

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3902.921+/-0.827 χ^2/NDF:691140.8/13

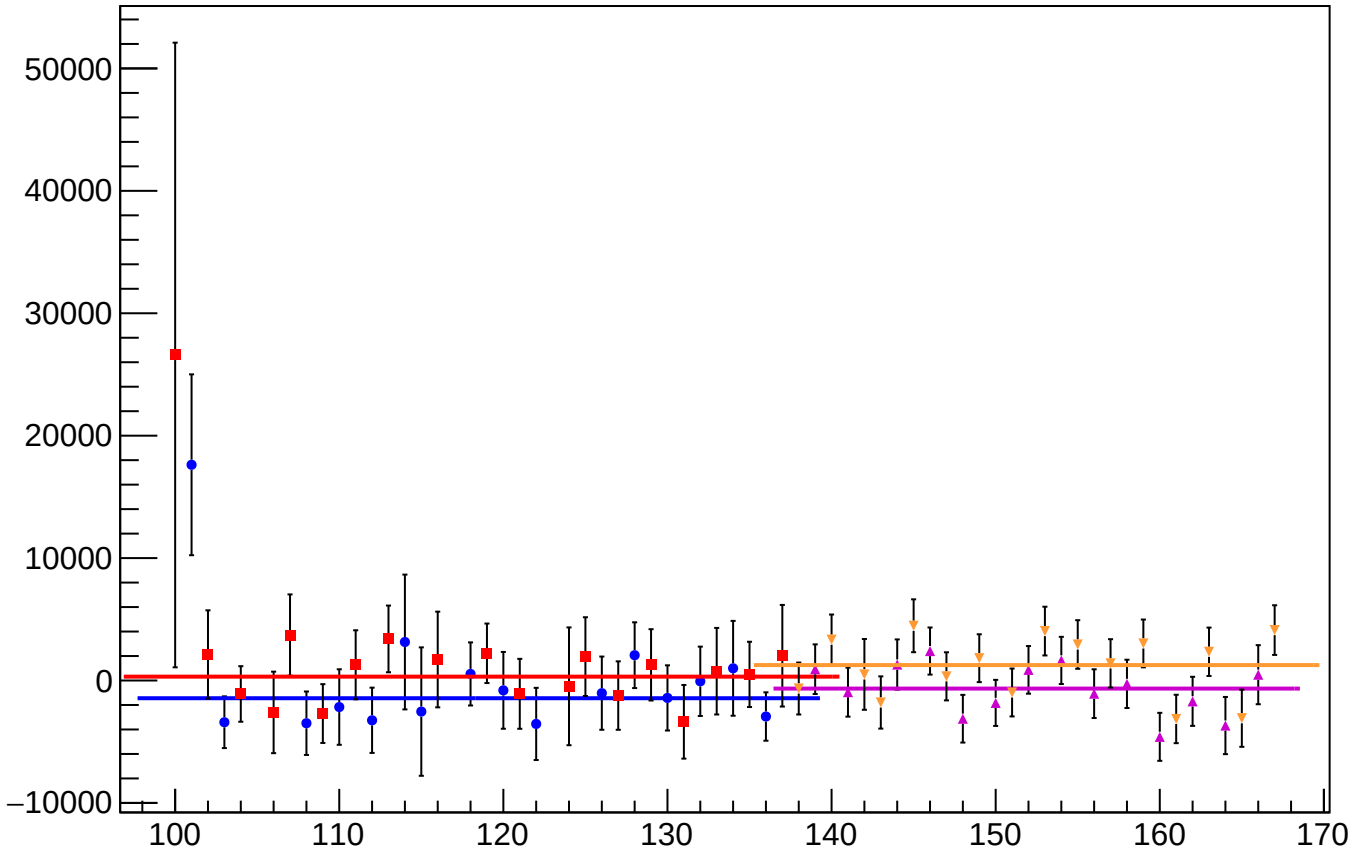
Left: 3867.931+/-0.568 χ^2/NDF: 1446664.6/29

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3876.662+/-0.649 χ^2/NDF:1650069.9/29

Out: 3763.453+/-0.613 χ^2/NDF:1900122.4/34

All: 3816.815+/-0.446 χ^2/NDF: 3566278.7/64



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1260.111+/-515.800 χ^2/NDF:22.0/15

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -659.107+/-538.166 χ^2/NDF:14.4/13

Left: 341.211+/-372.381 χ^2/NDF: 43.0/29

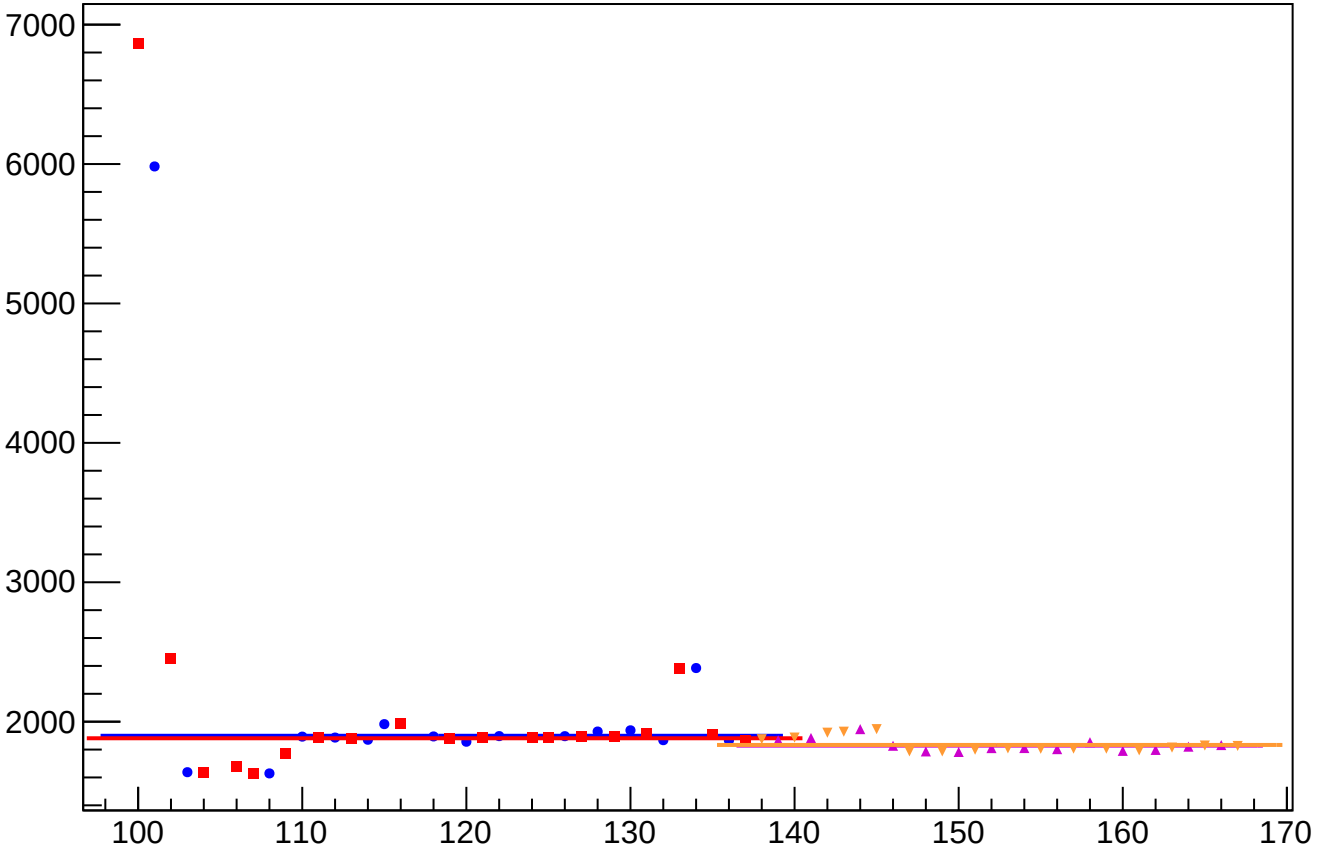
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -939.915+/-431.730 χ^2/NDF:28.6/29

Out: 929.899+/-415.991 χ^2/NDF:33.0/34

All: 29.695+/-299.560 χ^2/NDF: 71.4/64

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.097+/-0.365 χ^2/NDF:18635.5/15

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.298+/-0.381 χ^2/NDF:13141.6/13

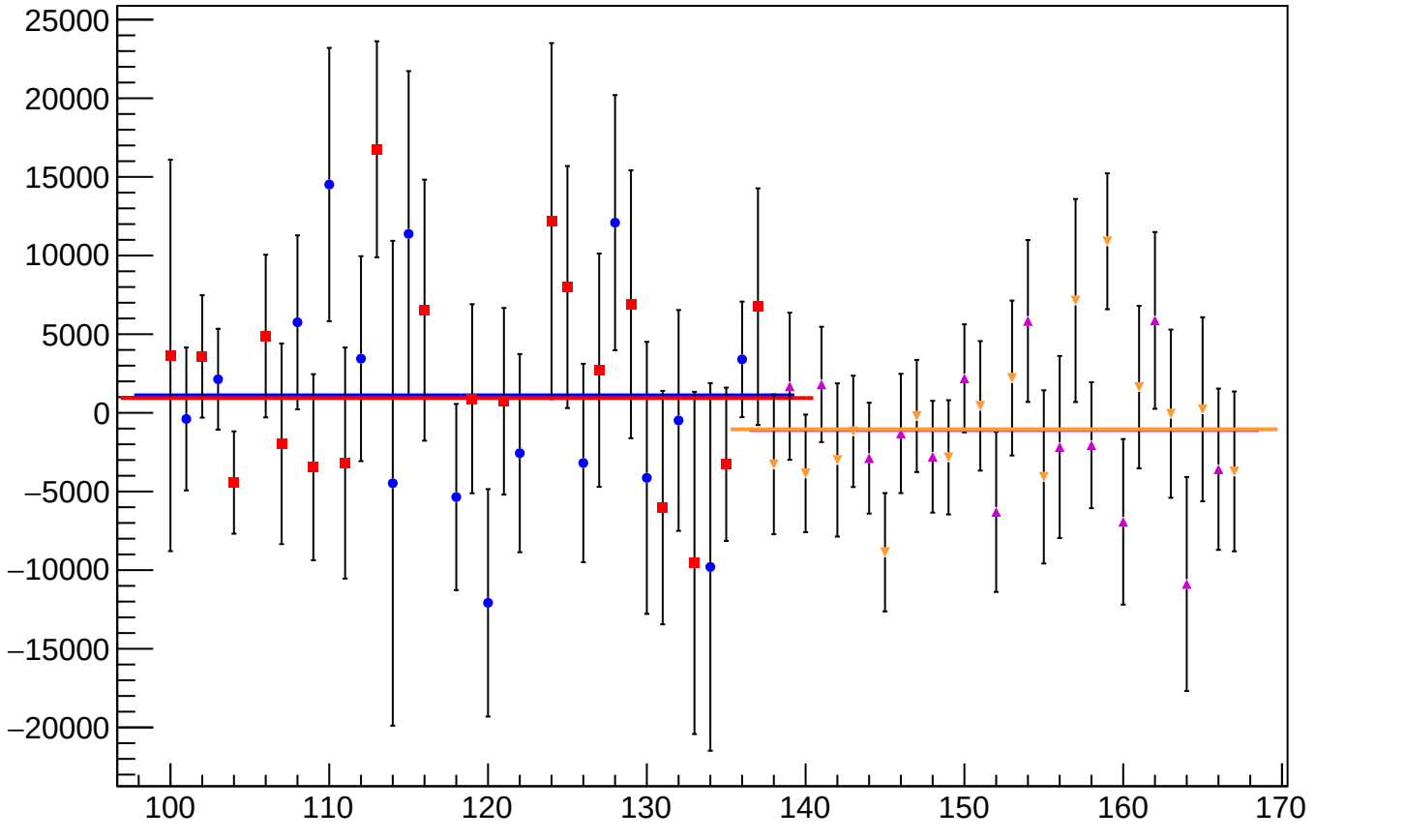
Left: 1830.799+/-0.263 χ^2/NDF: 31860.0/29

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1853.437+/-0.305 χ^2/NDF:722899.2/29

Out: 1849.878+/-0.294 χ^2/NDF:241243.8/34

All: 1851.590+/-0.212 χ^2/NDF: 964213.5/64



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1044.545+/-1103.988 χ^2/NDF:16.4/15

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -1091.783+/-1170.189 χ^2/NDF:10.4/13

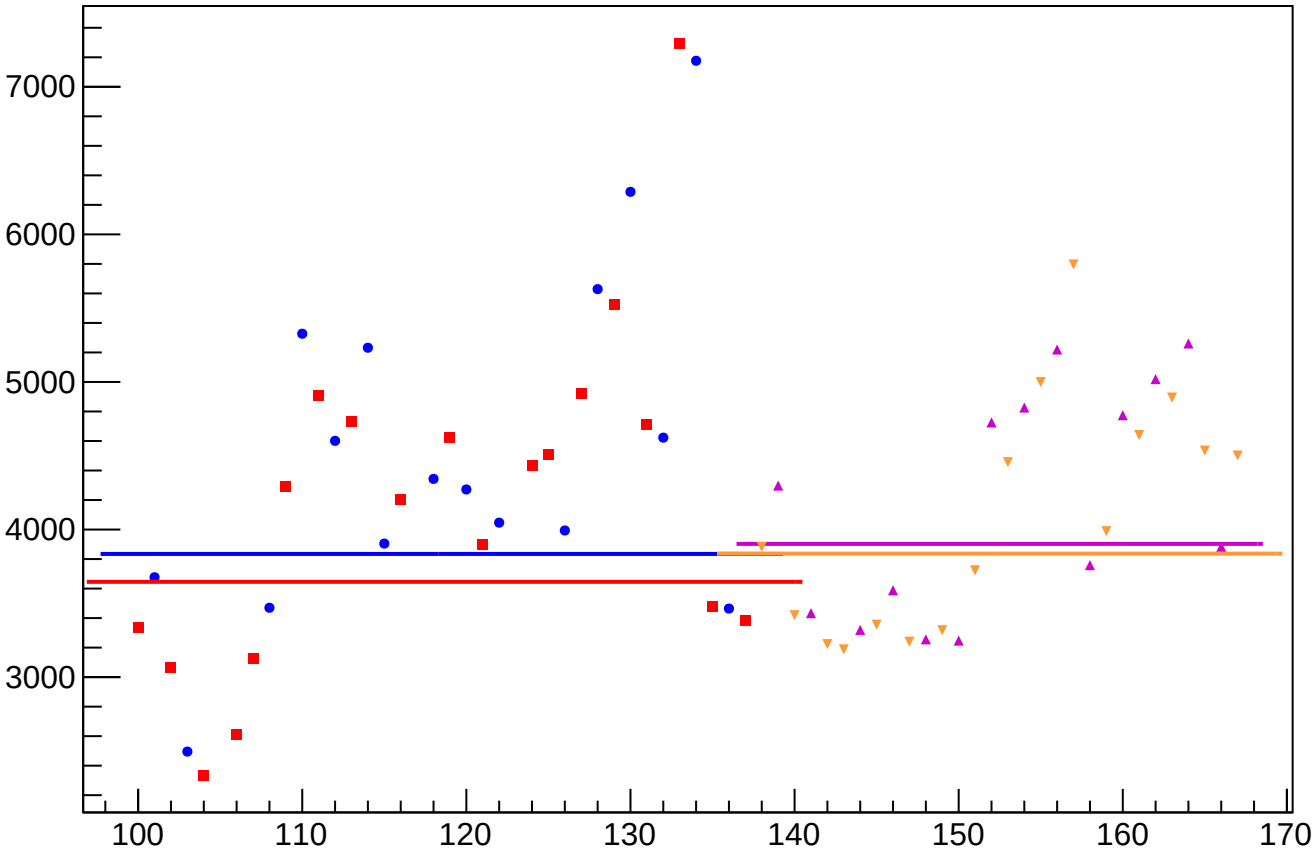
Left: -1066.790+/-803.021 χ^2/NDF: 26.8/29

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: -243.827+/-917.794 χ^2/NDF:25.2/29

Out: -282.696+/-866.645 χ^2/NDF:33.8/34

All: -264.375+/-630.117 χ^2/NDF: 58.9/64



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3836.788+/-0.781 χ^2/NDF:752144.1/15

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3902.921+/-0.827 χ^2/NDF:691140.8/13

Left: 3867.931+/-0.568 χ^2/NDF: 1446664.6/29

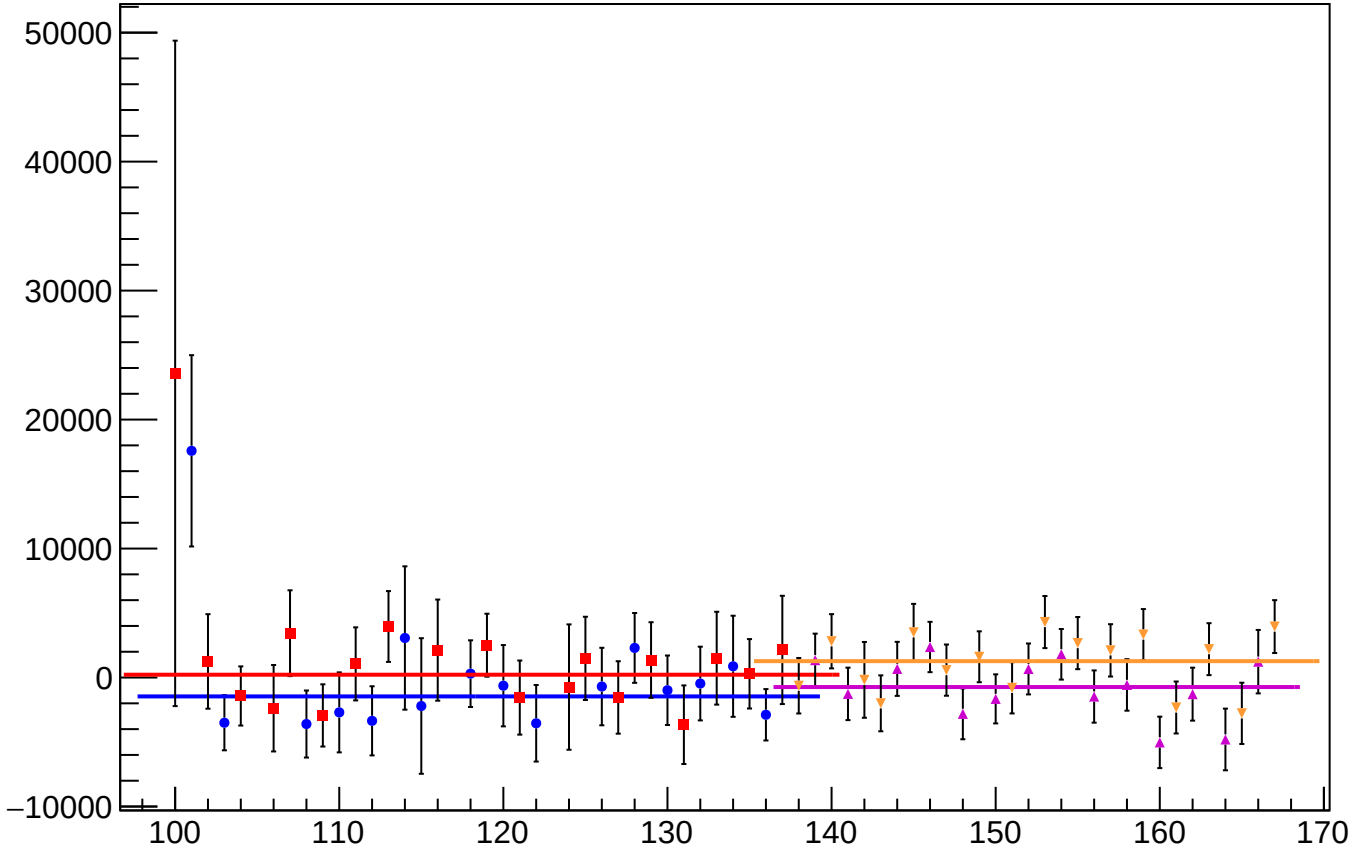
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3876.662+/-0.649 χ^2/NDF:1650069.9/29

Out: 3763.453+/-0.613 χ^2/NDF:1900122.4/34

All: 3816.815+/-0.446 χ^2/NDF: 3566278.7/64

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1271.062+/-524.268 χ^2/NDF:18.1/15

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -736.281+/-546.929 χ^2/NDF:16.0/13

Left: 309.838+/-378.471 χ^2/NDF: 41.1/29

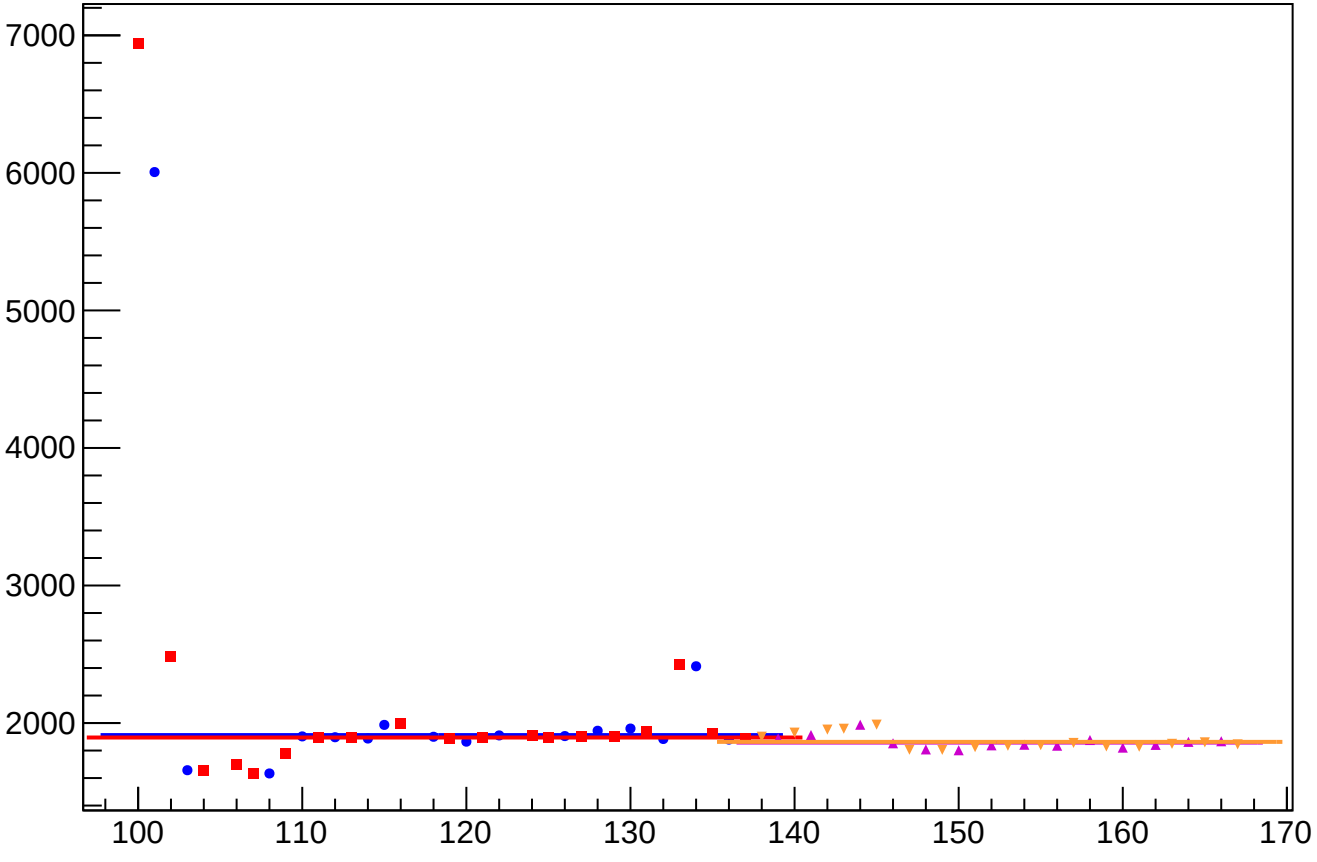
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -998.213+/-437.335 χ^2/NDF:30.2/29

Out: 899.318+/-421.509 χ^2/NDF:30.3/34

All: -14.493+/-303.492 χ^2/NDF: 70.3/64

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1863.058+/-0.371 χ^2/NDF:21084.5/15

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.984+/-0.387 χ^2/NDF:14195.5/13

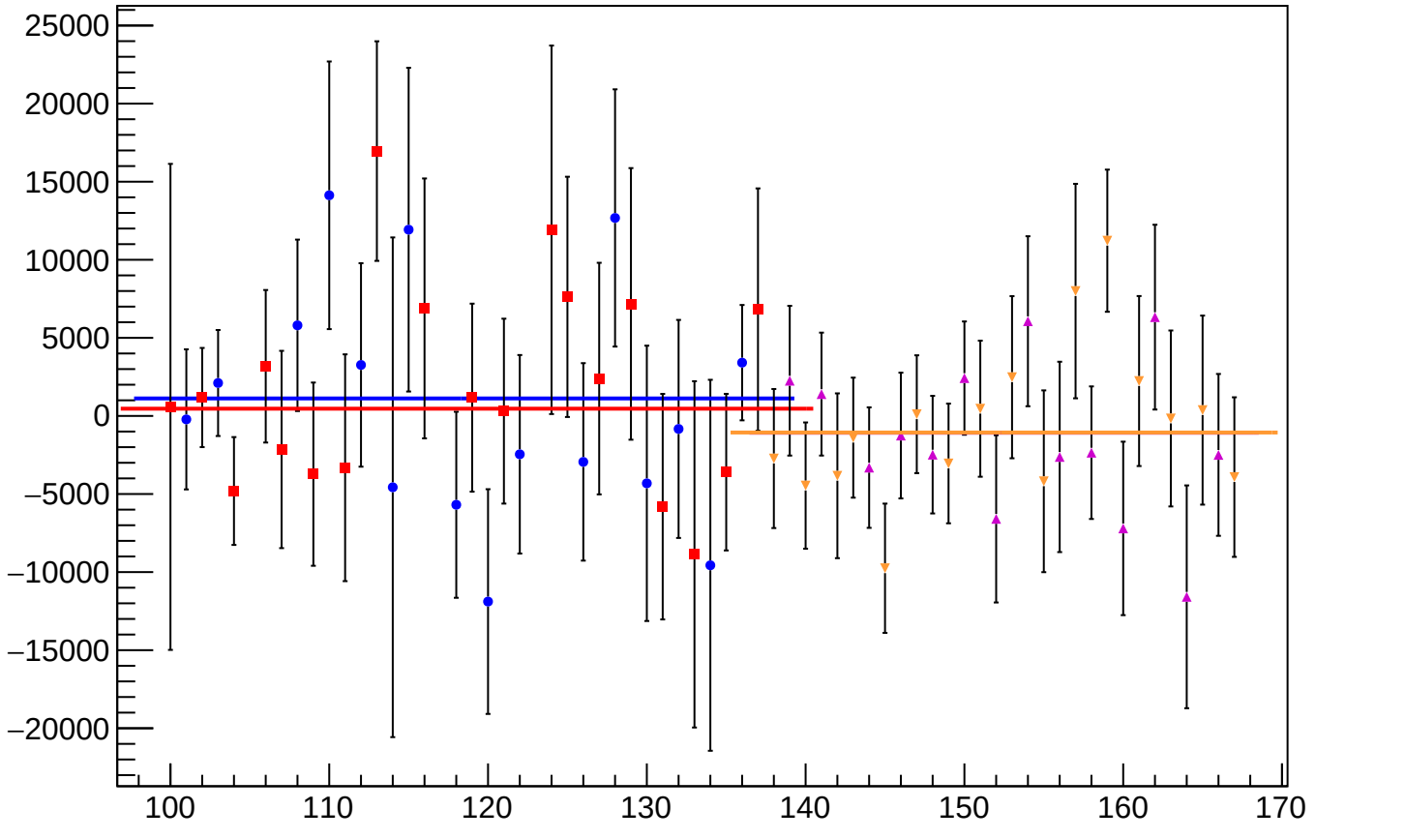
Left: 1860.628+/-0.268 χ^2/NDF: 35369.7/29

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1877.599+/-0.309 χ^2/NDF:717549.3/29

Out: 1874.285+/-0.298 χ^2/NDF:243456.2/34

All: 1875.880+/-0.215 χ^2/NDF: 961065.1/64



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1061.713+/-1169.102 χ^2/NDF:16.6/15

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -1075.413+/-1238.099 χ^2/NDF:10.2/13

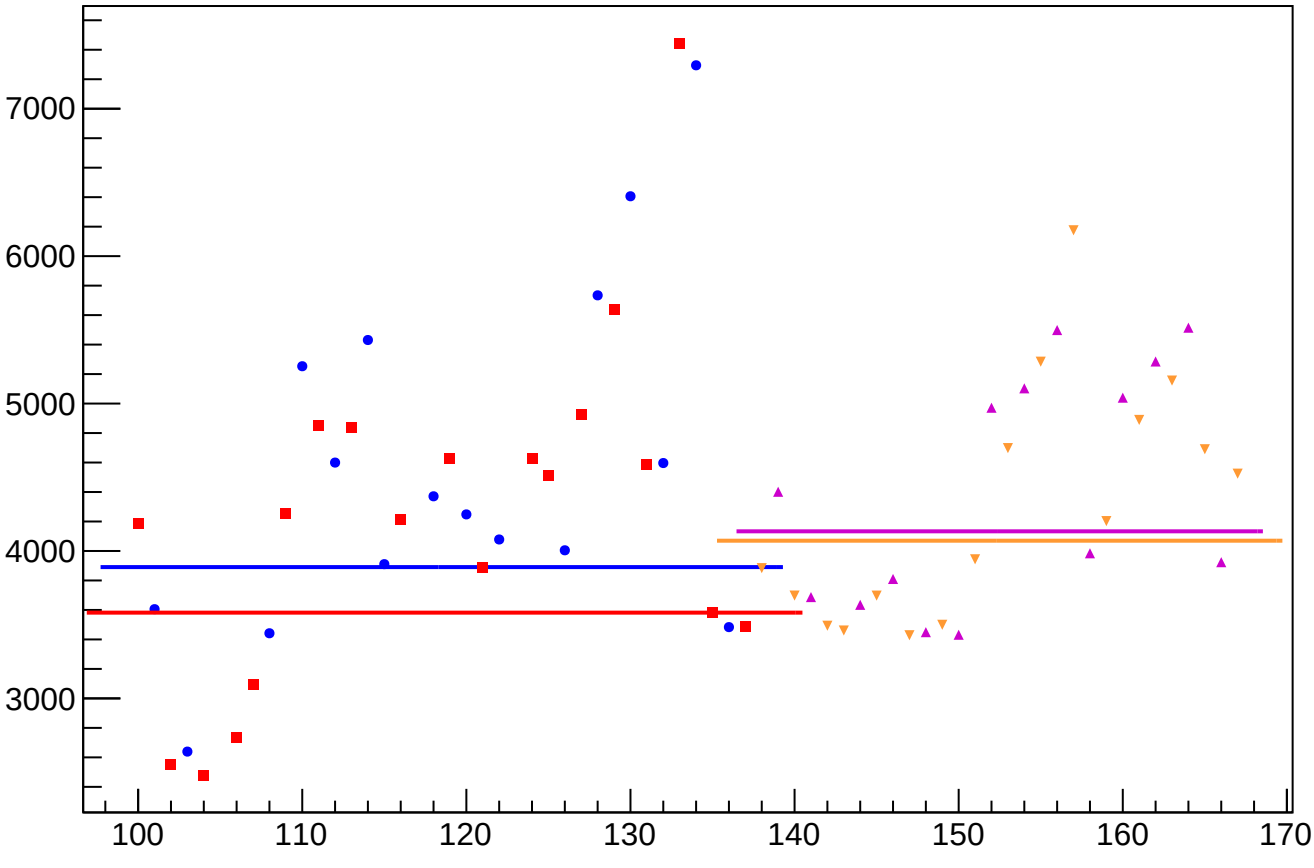
Left: -1068.171+/-850.026 χ^2/NDF: 26.8/29

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: -184.080+/-954.248 χ^2/NDF:25.0/29

Out: -419.112+/-889.532 χ^2/NDF:32.3/34

All: -309.835+/-650.671 χ^2/NDF: 57.3/64



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4069.766+/-0.827 χ^2/NDF:677150.2/15

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4133.359+/-0.875 χ^2/NDF:641718.1/13

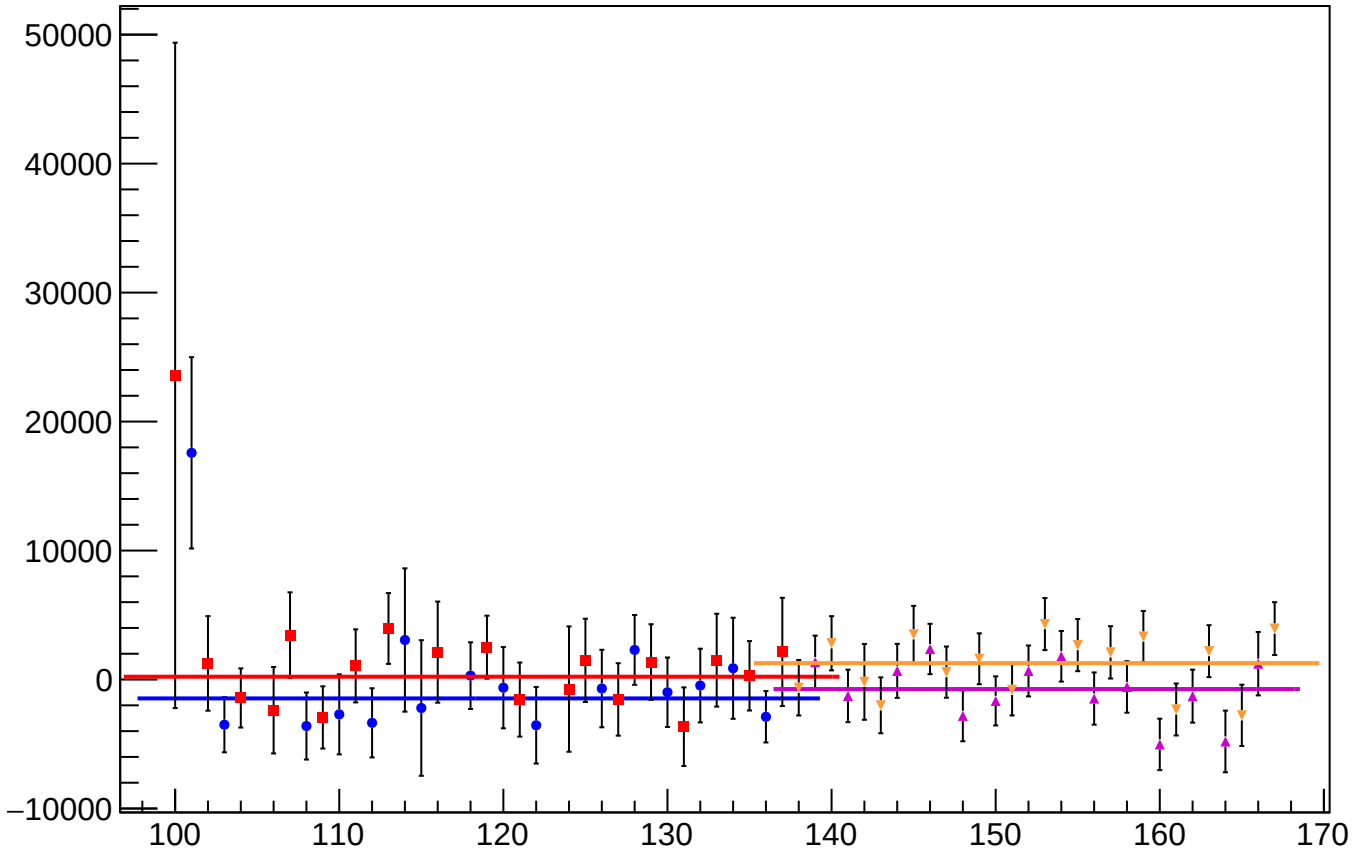
Left: 4099.741+/-0.601 χ^2/NDF: 1321657.6/29

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4034.851+/-0.675 χ^2/NDF:1551323.3/29

Out: 3864.285+/-0.629 χ^2/NDF:2045730.3/34

All: 3943.589+/-0.460 χ^2/NDF: 3631242.9/64



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1271.071+/-524.268 χ^2/NDF:18.1/15

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -736.283+/-546.929 χ^2/NDF:16.0/13

Left: 309.841+/-378.471 χ^2/NDF: 41.1/29

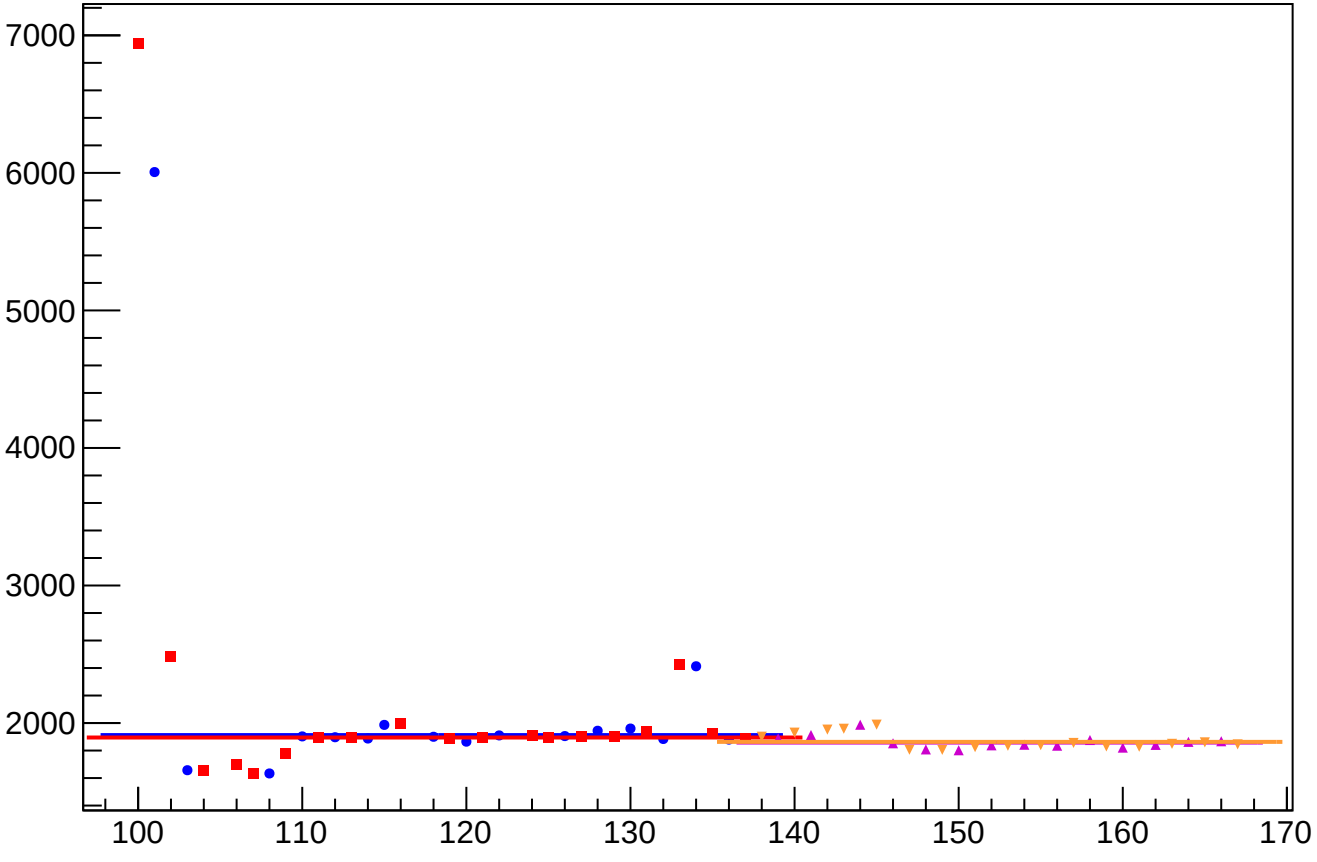
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -998.217+/-437.335 χ^2/NDF:30.2/29

Out: 899.322+/-421.509 χ^2/NDF:30.3/34

All: -14.493+/-303.492 χ^2/NDF: 70.3/64

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1863.059+/-0.371 χ^2/NDF:21084.5/15

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.985+/-0.387 χ^2/NDF:14195.4/13

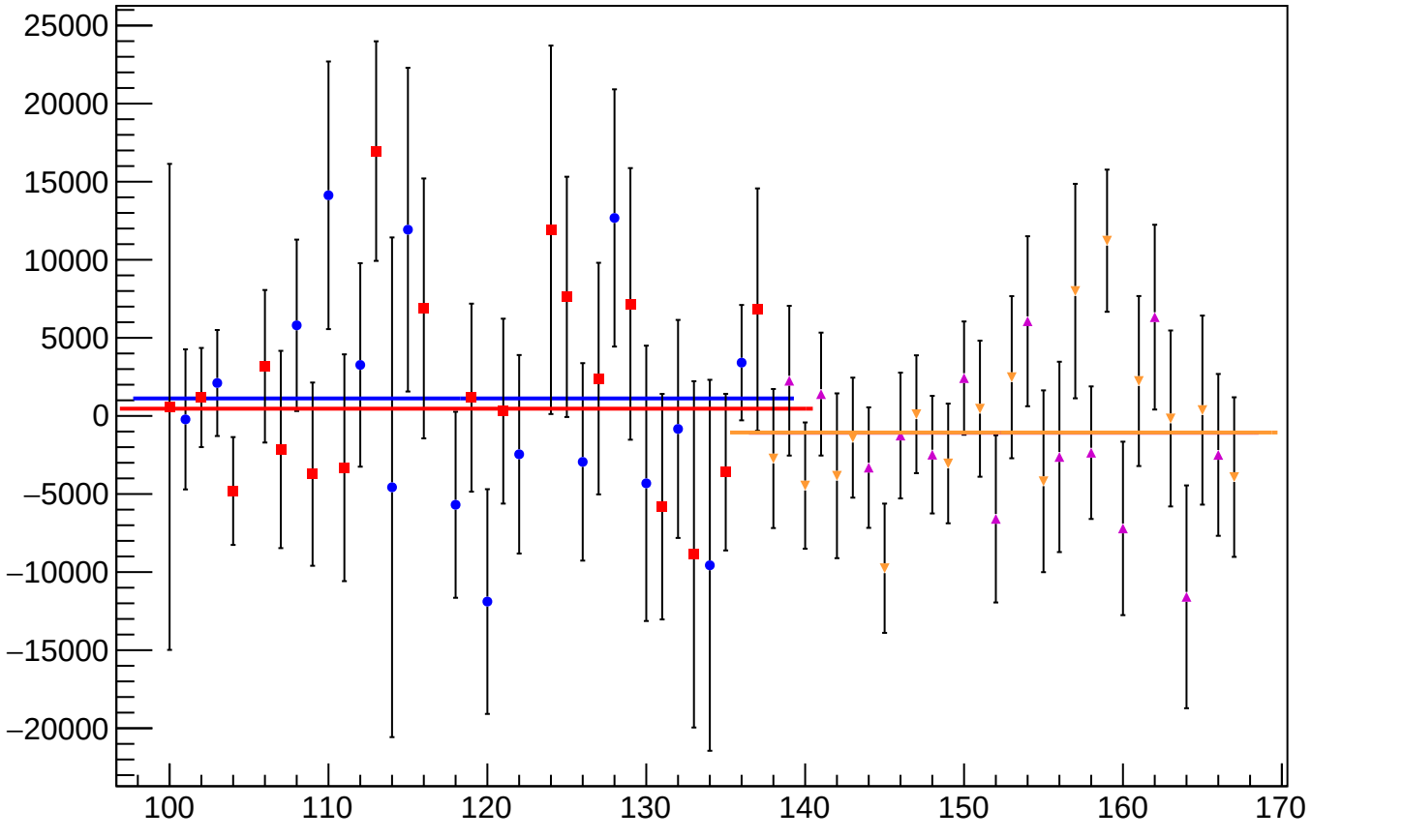
Left: 1860.629+/-0.268 χ^2/NDF: 35369.6/29

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1877.600+/-0.309 χ^2/NDF:717548.9/29

Out: 1874.285+/-0.298 χ^2/NDF:243456.0/34

All: 1875.881+/-0.215 χ^2/NDF: 961064.5/64



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1061.710+/-1169.104 χ^2/NDF:16.6/15

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -1075.411+/-1238.101 χ^2/NDF:10.2/13

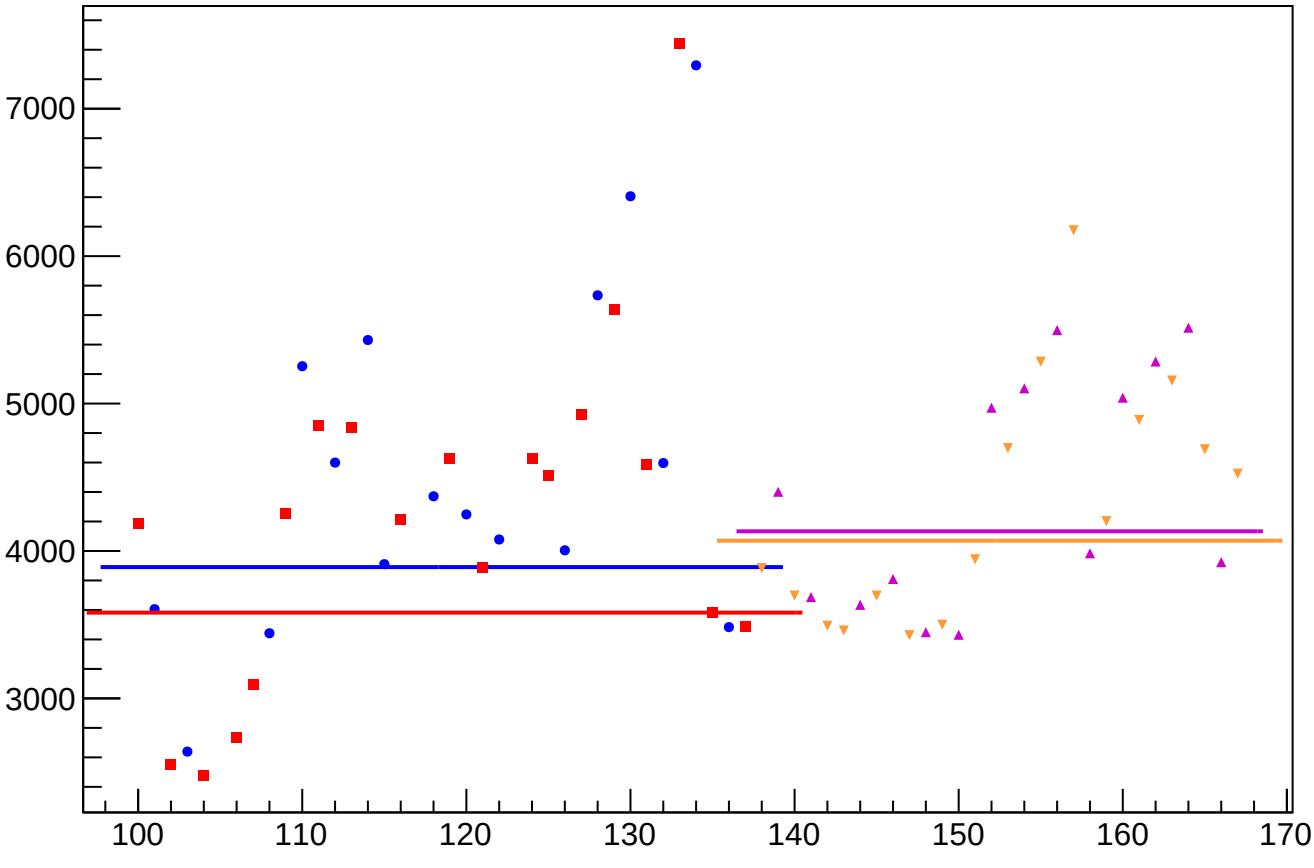
Left: -1068.168+/-850.027 χ^2/NDF: 26.8/29

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: -184.081+/-954.248 χ^2/NDF:25.0/29

Out: -419.108+/-889.533 χ^2/NDF:32.3/34

All: -309.834+/-650.671 χ^2/NDF: 57.3/64



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4069.773+/-0.827 χ^2/NDF:677151.9/15

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4133.366+/-0.875 χ^2/NDF:641719.2/13

Left: 4099.748+/-0.601 χ^2/NDF: 1321660.4/29

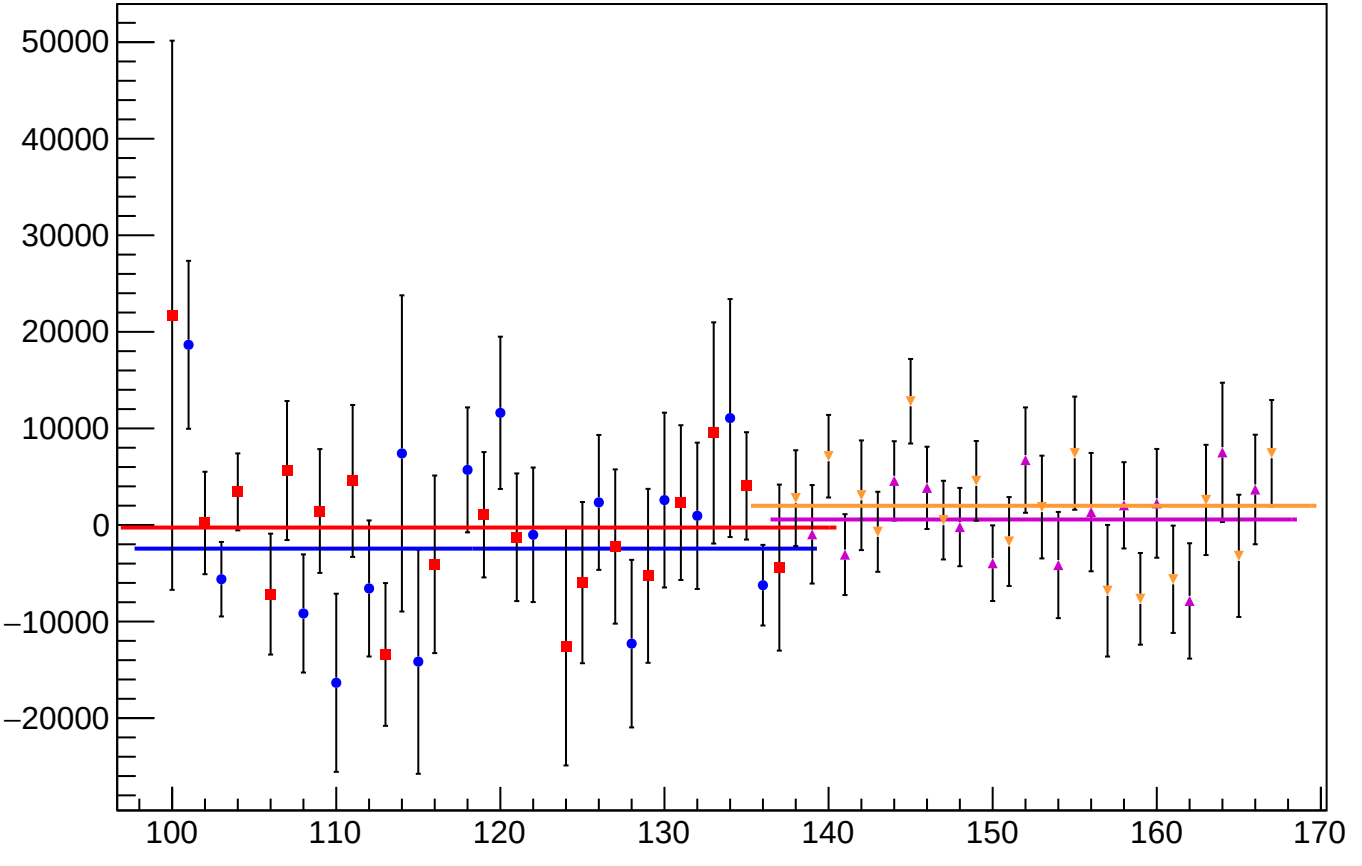
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4034.854+/-0.675 χ^2/NDF:1551317.8/29

Out: 3864.287+/-0.629 χ^2/NDF:2045729.3/34

All: 3943.591+/-0.460 χ^2/NDF: 3631236.5/64

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1990.368+/-1236.359 χ^2/NDF:19.4/15

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 569.104+/-1302.967 χ^2/NDF:9.2/13

Left: 1316.990+/-896.861 χ^2/NDF: 29.2/29

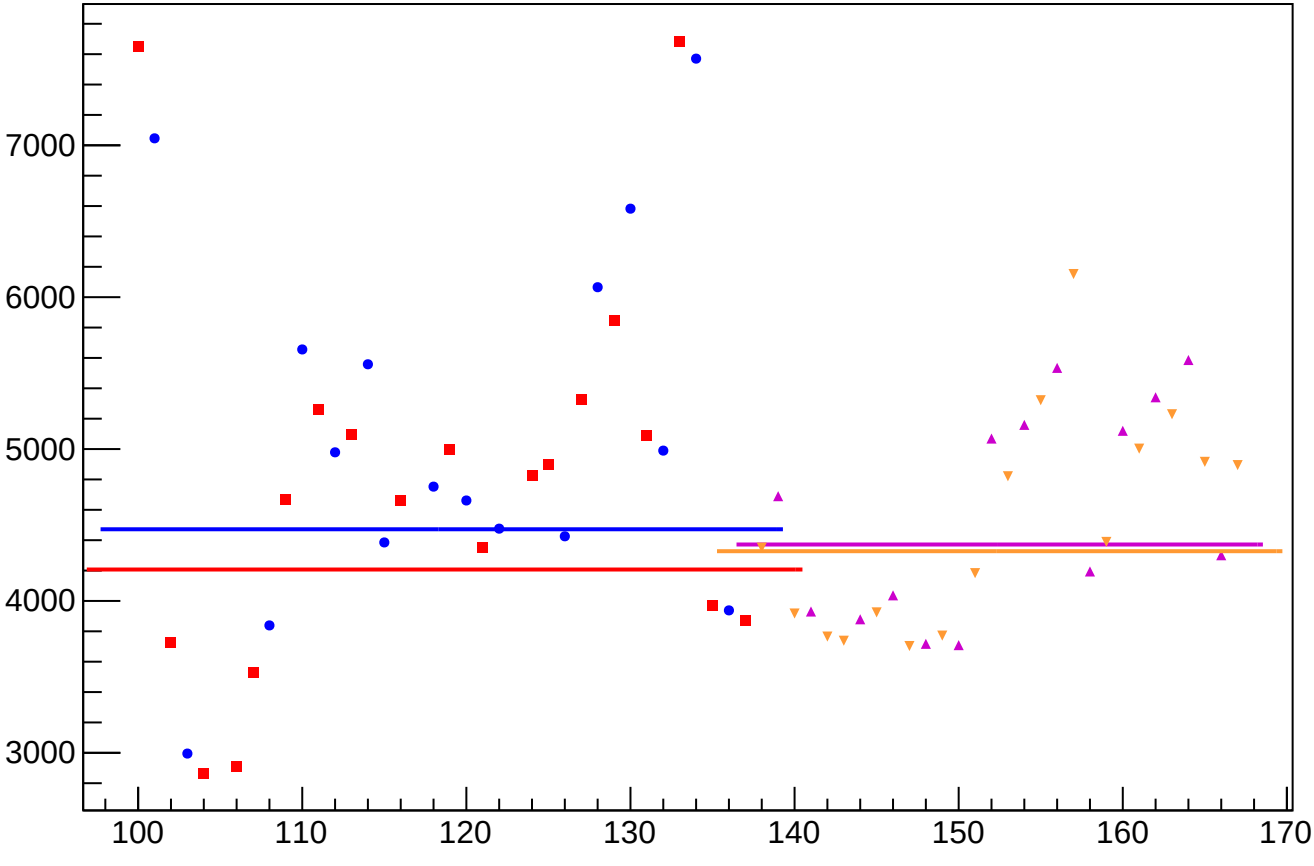
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -531.342+/-1038.536 χ^2/NDF:32.0/29

Out: 1161.577+/-983.407 χ^2/NDF:31.3/34

All: 361.241+/-714.068 χ^2/NDF: 64.7/64

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4327.533+/-0.874 χ^2/NDF:517016.3/15

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4371.622+/-0.921 χ^2/NDF:474175.7/13

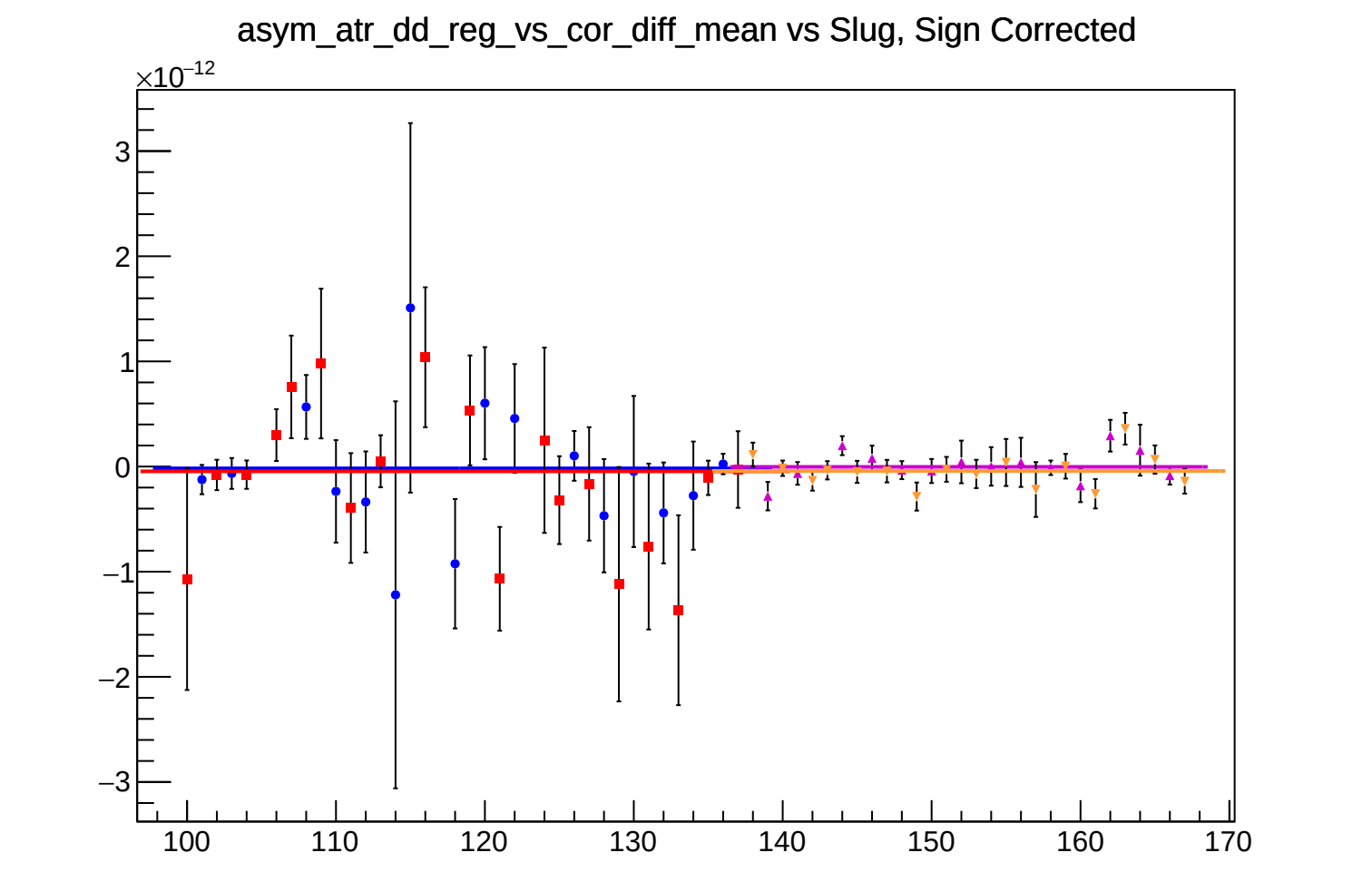
Left: 4348.422+/-0.634 χ^2/NDF: 992397.1/29

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4408.196+/-0.734 χ^2/NDF:1370174.8/29

Out: 4282.763+/-0.693 χ^2/NDF:1370607.5/34

All: 4341.873+/-0.504 χ^2/NDF: 2756208.4/64



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/13

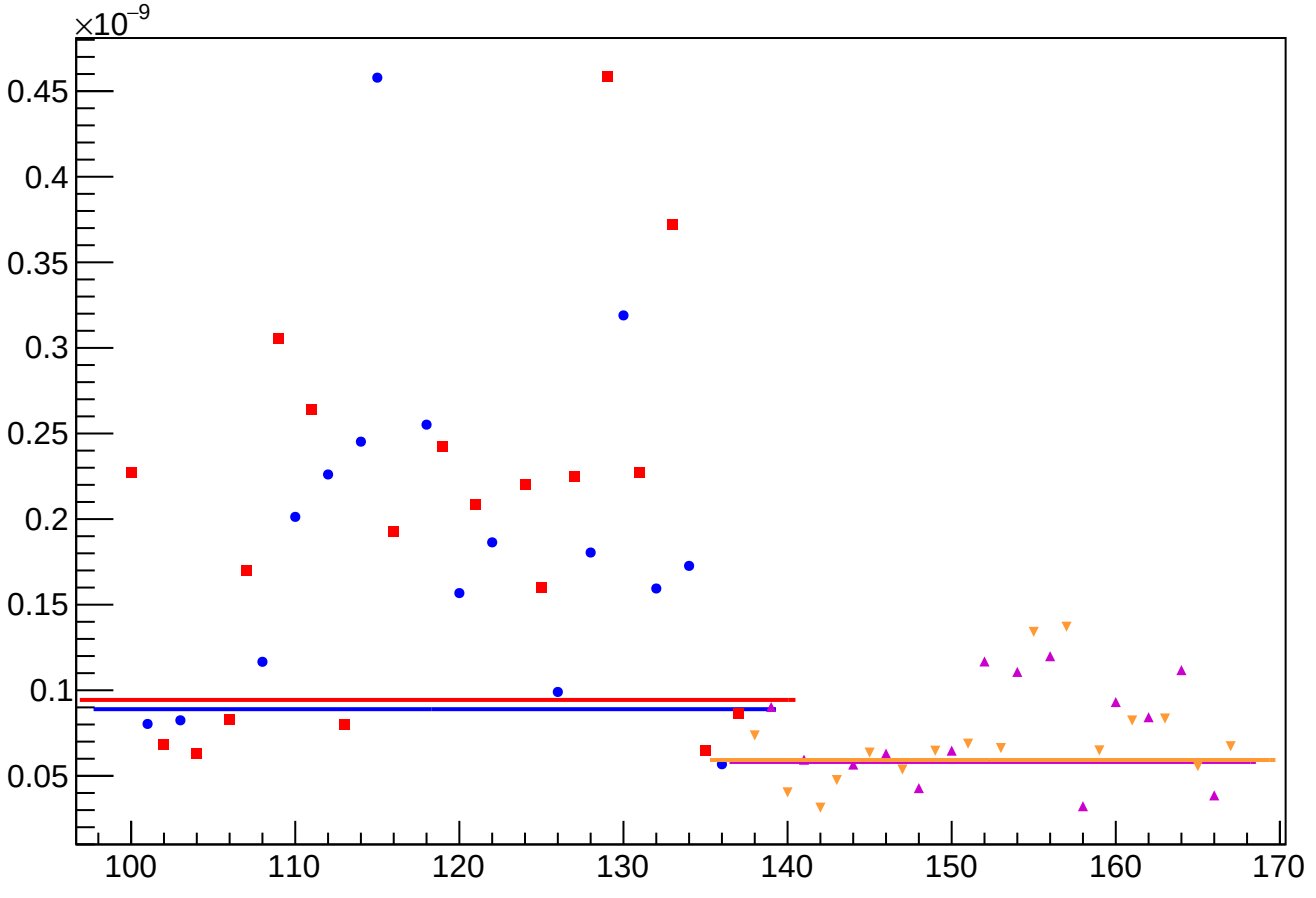
Left: -0.000+/-0.000 χ^2/NDF: 35.6/29

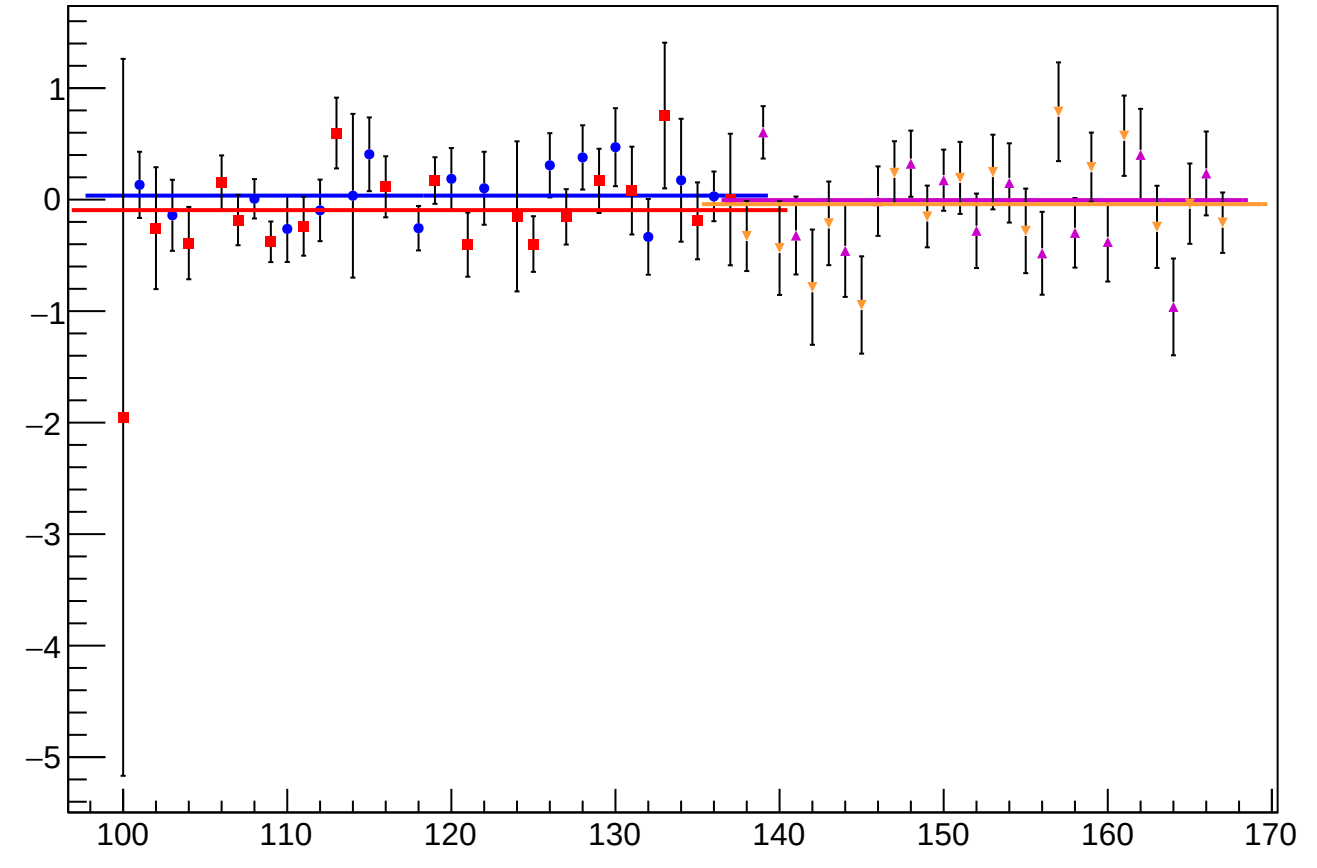
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:29.7/29

Out: -0.000+/-0.000 χ^2/NDF:39.1/34

All: -0.000+/-0.000 χ^2/NDF: 69.7/64


asym_atr_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1230222.1/15
Left Out: 0.000+/-0.000 χ²/NDF:923638.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 1695078.0/18
Left In: 0.000+/-0.000 χ²/NDF:1301165.9/13
Left: 0.000+/-0.000 χ²/NDF: 2226240.4/29
Right: 0.000+/-0.000 χ²/NDF: 2932262.7/34
In: 0.000+/-0.000 χ²/NDF:2934243.5/29
Out: 0.000+/-0.000 χ²/NDF:3068988.8/34
All: 0.000+/-0.000 χ²/NDF: 6003403.9/64



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.041+/-0.086 χ^2/NDF:19.3/15

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.089 χ^2/NDF:21.1/13

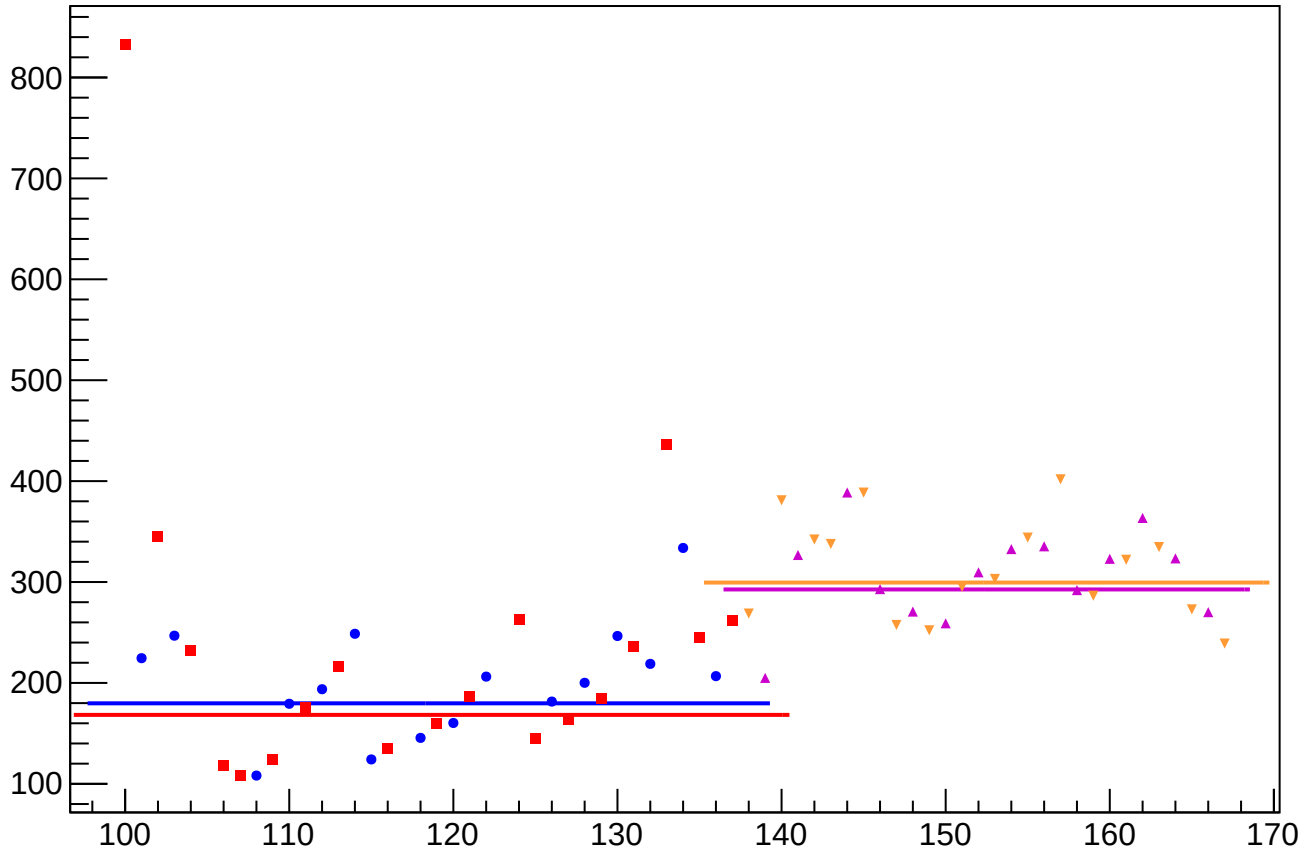
Left: -0.023+/-0.062 χ^2/NDF: 40.5/29

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.020+/-0.055 χ^2/NDF:31.8/29

Out: -0.074+/-0.053 χ^2/NDF:37.2/34

All: -0.028+/-0.038 χ^2/NDF: 70.5/64



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 299.483+/-0.061 χ^2/NDF:589457.3/15

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 292.641+/-0.063 χ^2/NDF:594160.6/13

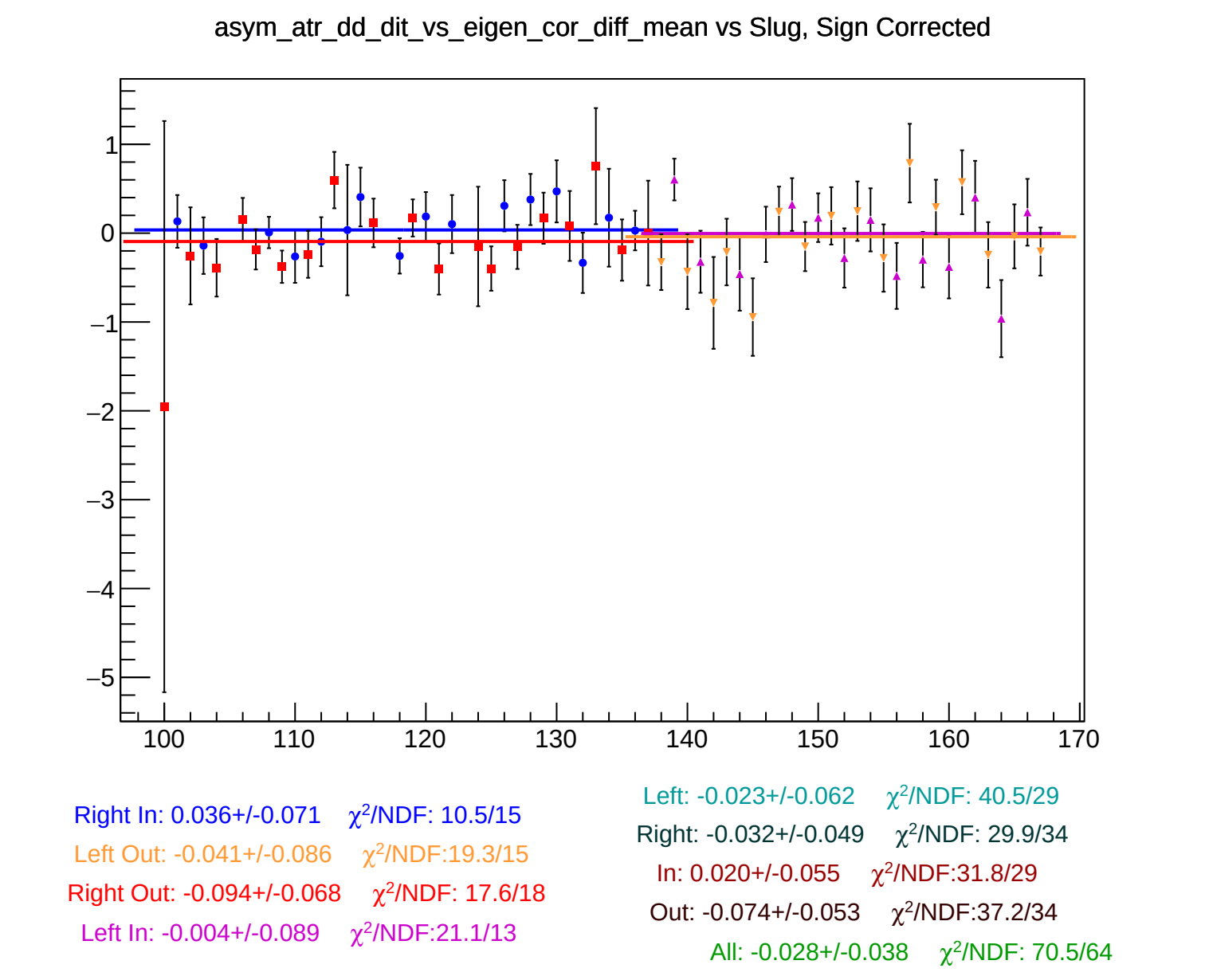
Left: 296.154+/-0.044 χ^2/NDF: 1189754.7/29

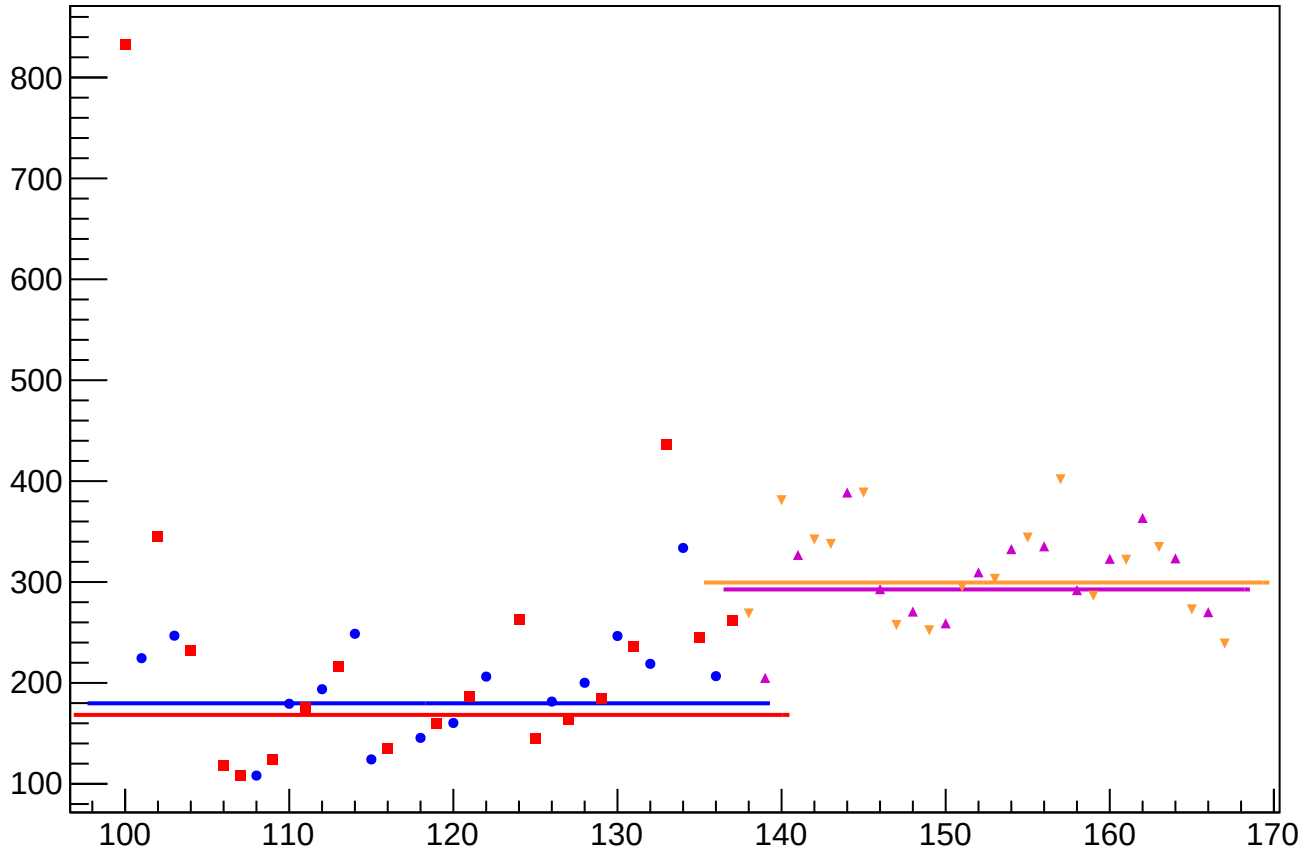
Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 223.662+/-0.039 χ^2/NDF:3500133.6/29

Out: 218.337+/-0.038 χ^2/NDF:4865956.2/34

All: 220.902+/-0.027 χ^2/NDF: 8375744.9/64


asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.041+/-0.086 χ²/NDF:19.3/15
Right Out: -0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.004+/-0.089 χ²/NDF:21.1/13
Left: -0.023+/-0.062 χ²/NDF: 40.5/29
Right: -0.032+/-0.049 χ²/NDF: 29.9/34
In: 0.020+/-0.055 χ²/NDF:31.8/29
Out: -0.074+/-0.053 χ²/NDF:37.2/34
All: -0.028+/-0.038 χ²/NDF: 70.5/64



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 299.483+/-0.061 χ^2/NDF:589457.3/15

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 292.641+/-0.063 χ^2/NDF:594160.6/13

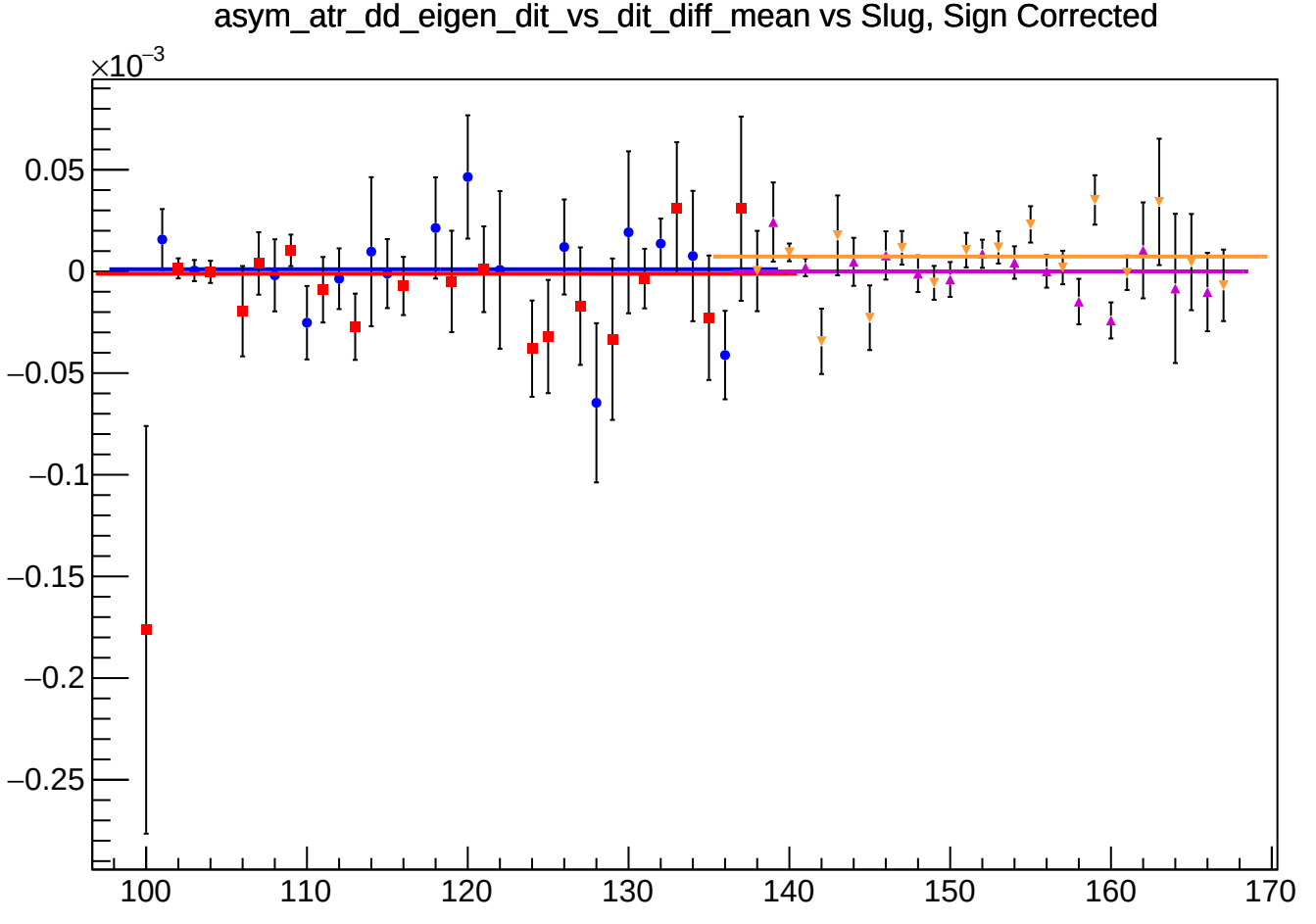
Left: 296.154+/-0.044 χ^2/NDF: 1189754.7/29

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 223.662+/-0.039 χ^2/NDF:3500133.6/29

Out: 218.337+/-0.038 χ^2/NDF:4865956.2/34

All: 220.902+/-0.027 χ^2/NDF: 8375744.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.1/13

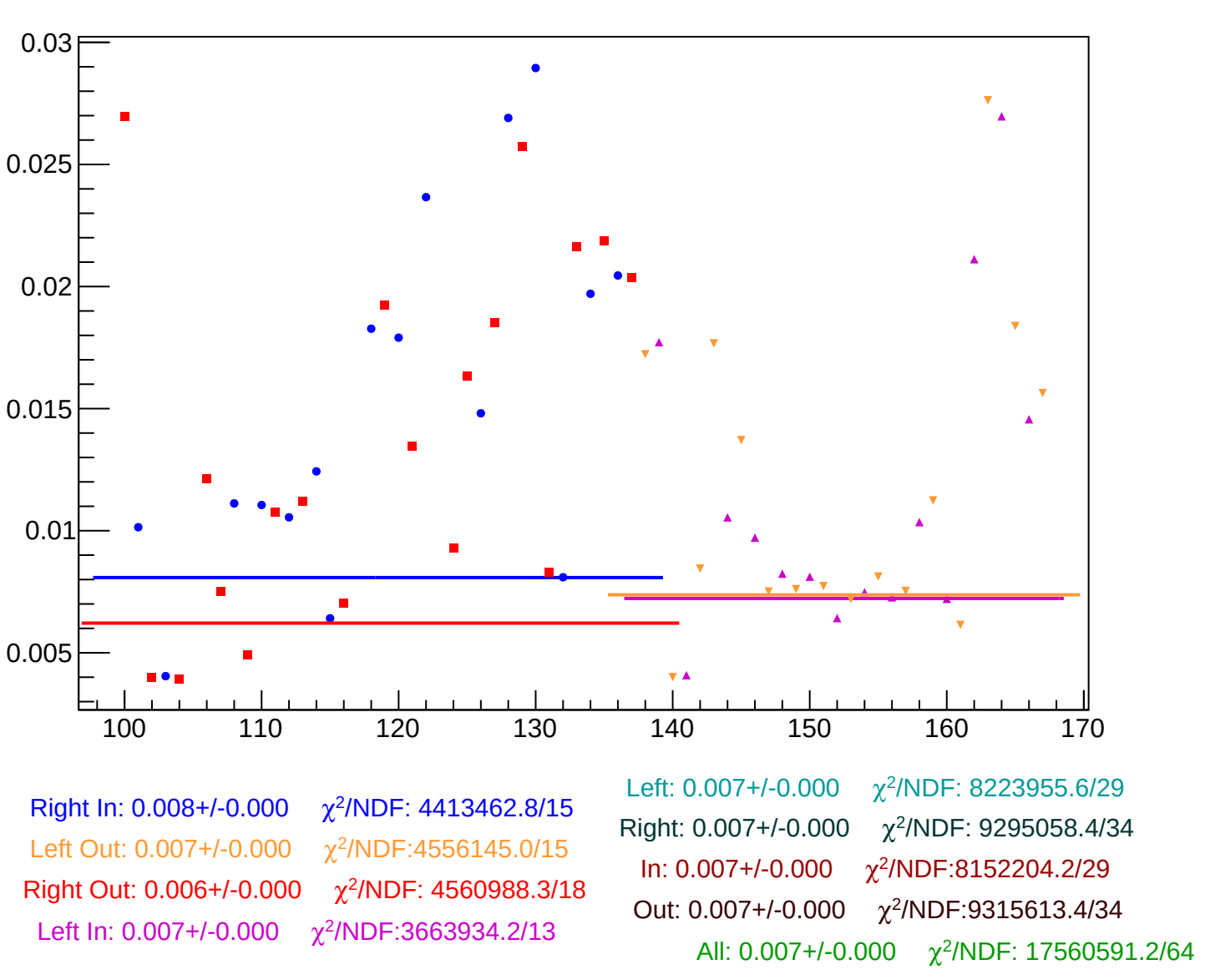
Left: 0.000+/-0.000 χ^2/NDF: 44.0/29

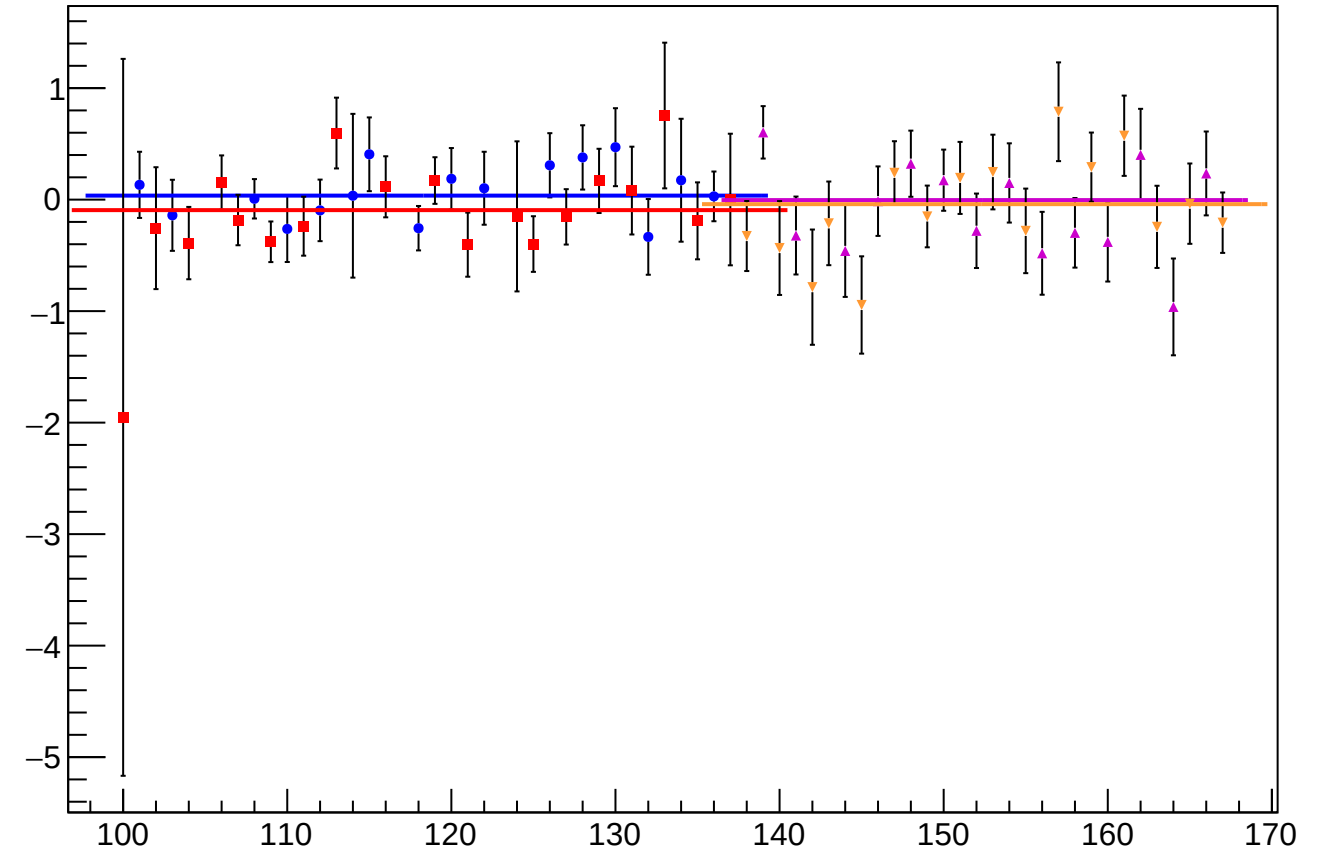
Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:28.5/29

Out: 0.000+/-0.000 χ^2/NDF:46.4/34

All: 0.000+/-0.000 χ^2/NDF: 76.5/64


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.008+/-0.000 χ²/NDF: 4413462.8/15
Left Out: 0.007+/-0.000 χ²/NDF:4556145.0/15
Right Out: 0.006+/-0.000 χ²/NDF: 4560988.3/18
Left In: 0.007+/-0.000 χ²/NDF:3663934.2/13
Left: 0.007+/-0.000 χ²/NDF: 8223955.6/29
Right: 0.007+/-0.000 χ²/NDF: 9295058.4/34
In: 0.007+/-0.000 χ²/NDF:8152204.2/29
Out: 0.007+/-0.000 χ²/NDF:9315613.4/34
All: 0.007+/-0.000 χ²/NDF: 17560591.2/64



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.041+/-0.086 χ^2/NDF:19.3/15

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.089 χ^2/NDF:21.1/13

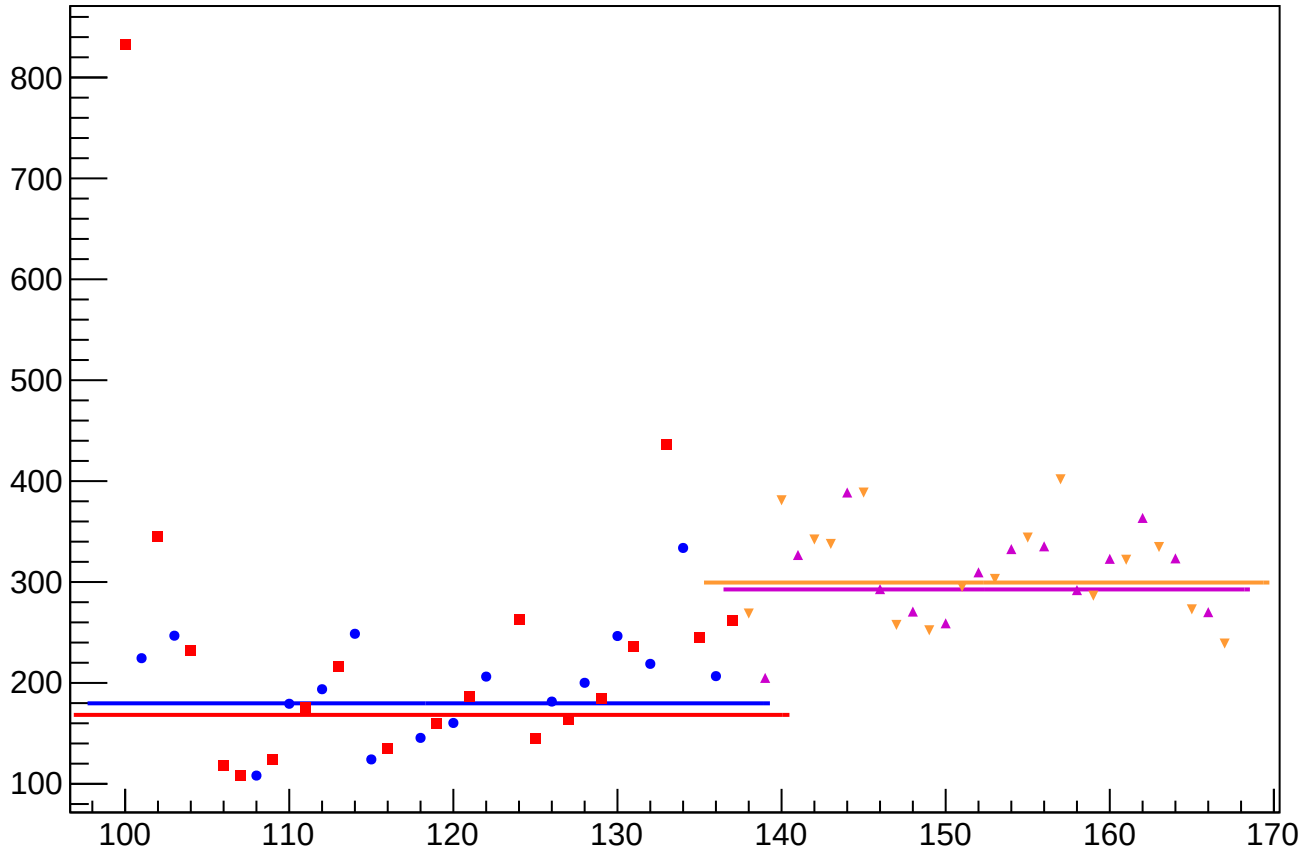
Left: -0.023+/-0.062 χ^2/NDF: 40.5/29

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.020+/-0.055 χ^2/NDF:31.8/29

Out: -0.074+/-0.053 χ^2/NDF:37.2/34

All: -0.028+/-0.038 χ^2/NDF: 70.5/64



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 299.488+/-0.061 χ^2/NDF:589445.2/15

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 292.646+/-0.063 χ^2/NDF:594148.4/13

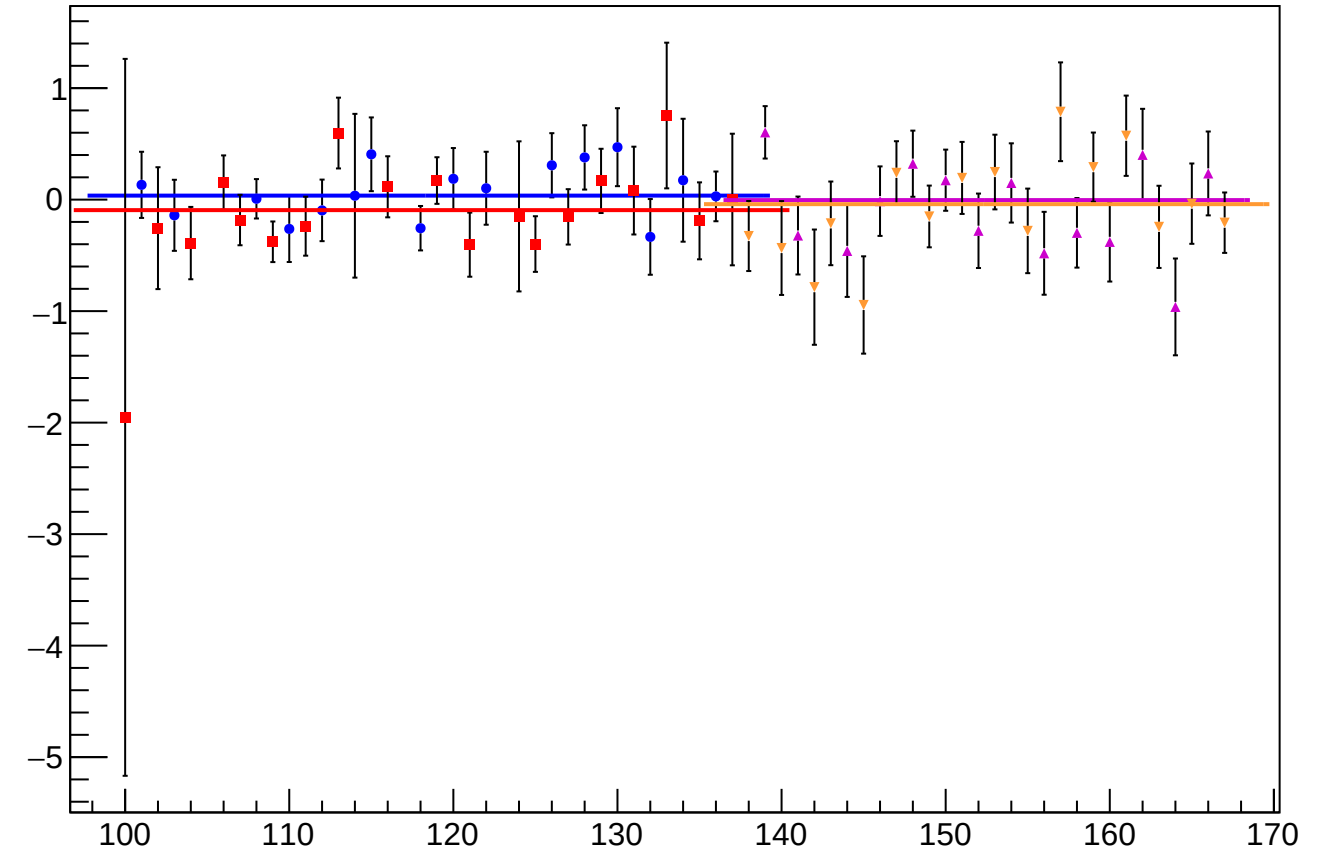
Left: 296.159+/-0.044 χ^2/NDF: 1189730.9/29

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 223.661+/-0.039 χ^2/NDF:3500400.8/29

Out: 218.338+/-0.038 χ^2/NDF:4866111.9/34

All: 220.902+/-0.027 χ^2/NDF: 8376160.4/64



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.041+/-0.086 χ^2/NDF:19.3/15

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.089 χ^2/NDF:21.1/13

Left: -0.023+/-0.062 χ^2/NDF: 40.5/29

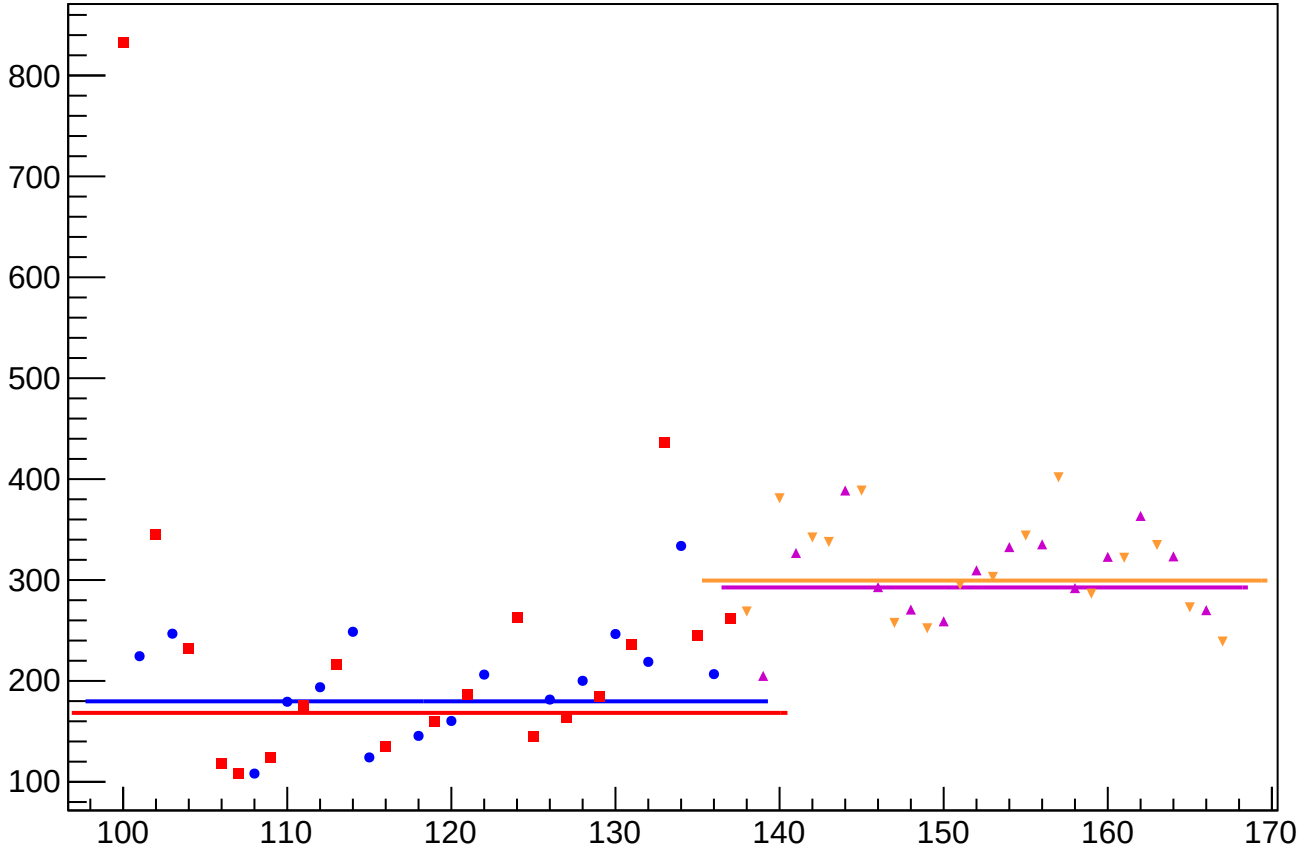
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.020+/-0.055 χ^2/NDF:31.8/29

Out: -0.074+/-0.053 χ^2/NDF:37.2/34

All: -0.028+/-0.038 χ^2/NDF: 70.5/64

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 299.488+/-0.061 χ^2/NDF:589445.2/15

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 292.646+/-0.063 χ^2/NDF:594148.4/13

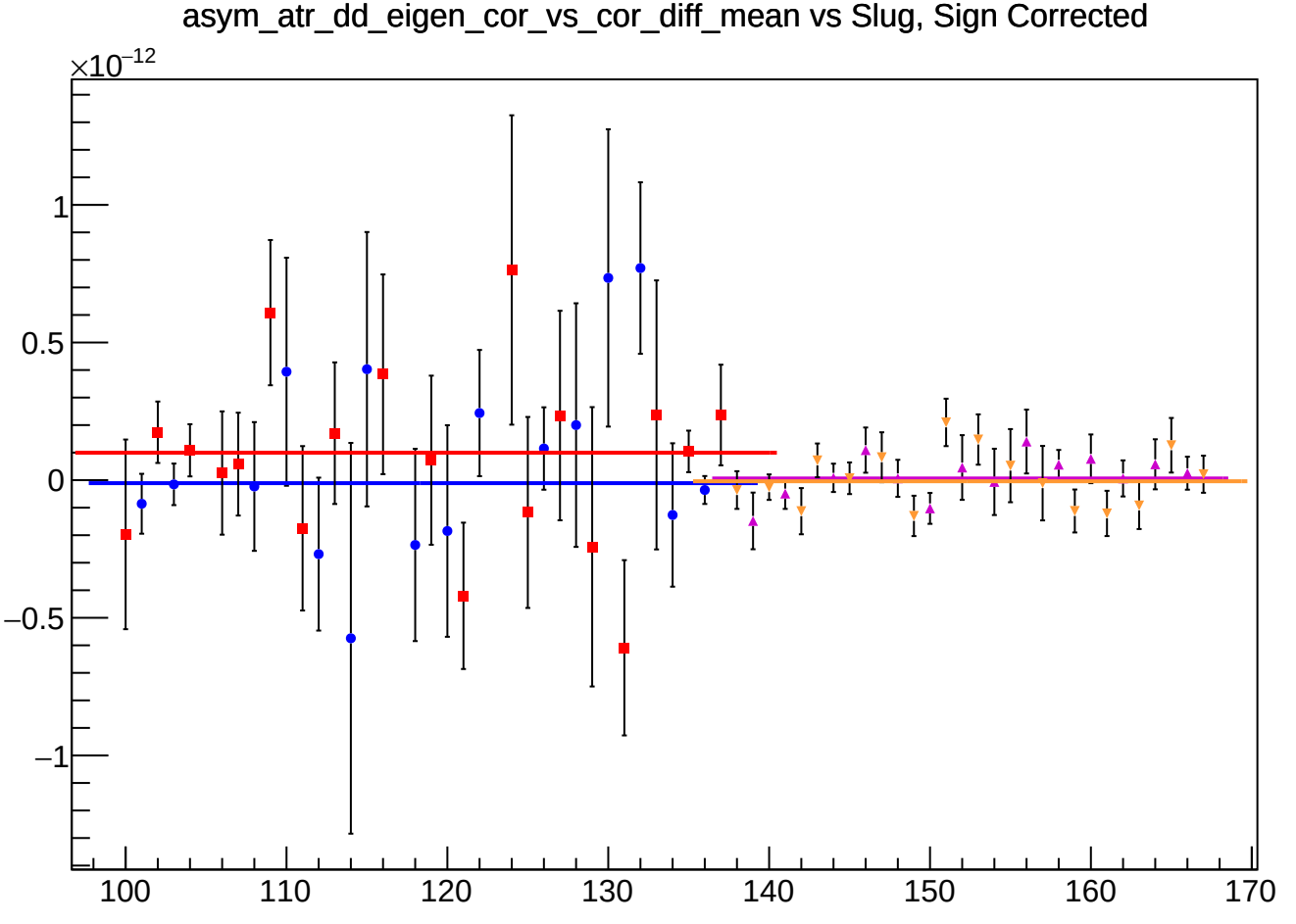
Left: 296.159+/-0.044 χ^2/NDF: 1189730.9/29

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 223.661+/-0.039 χ^2/NDF:3500400.8/29

Out: 218.338+/-0.038 χ^2/NDF:4866111.9/34

All: 220.902+/-0.027 χ^2/NDF: 8376160.4/64



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.0/13

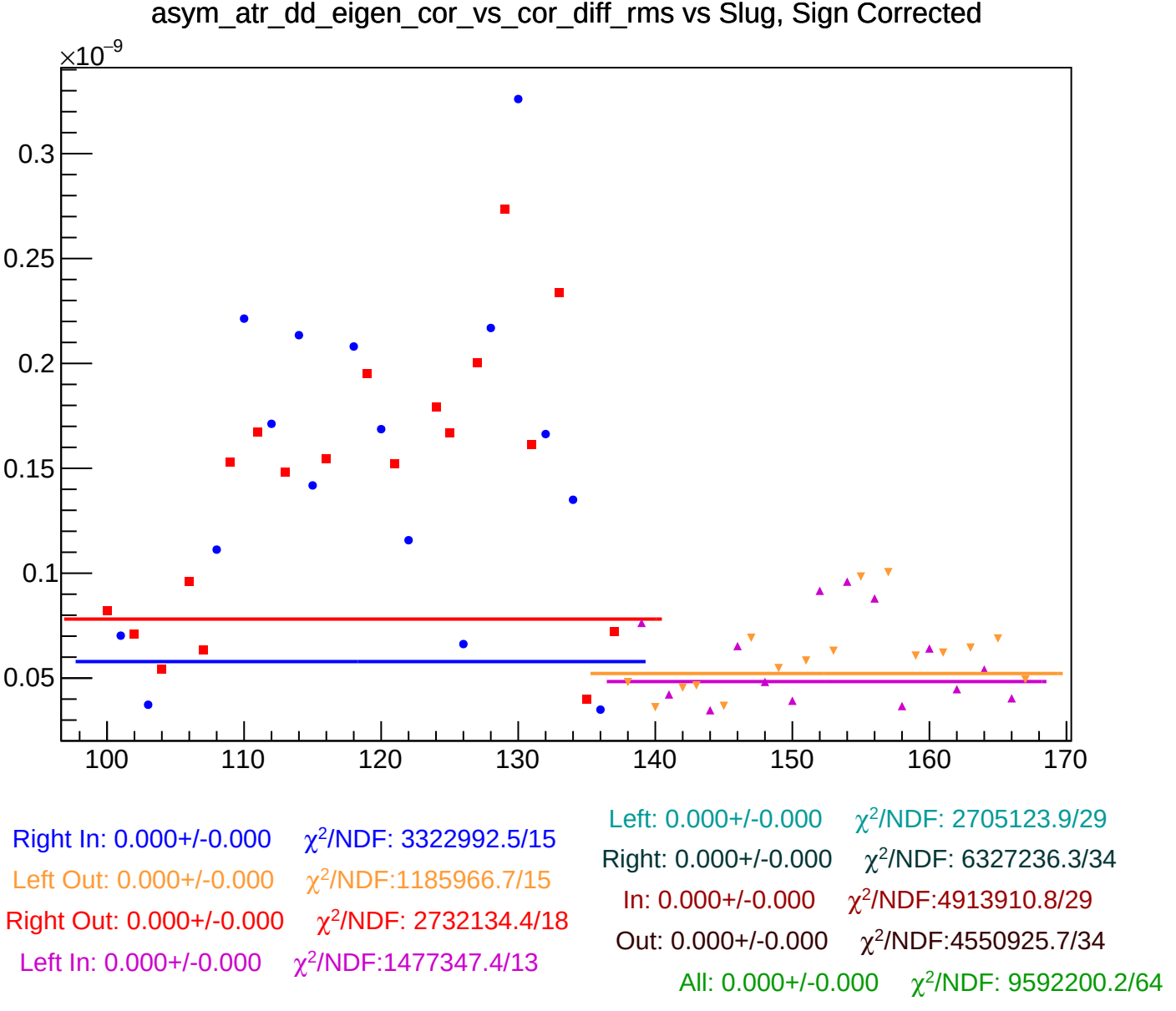
Left: 0.000+/-0.000 χ^2/NDF: 35.6/29

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

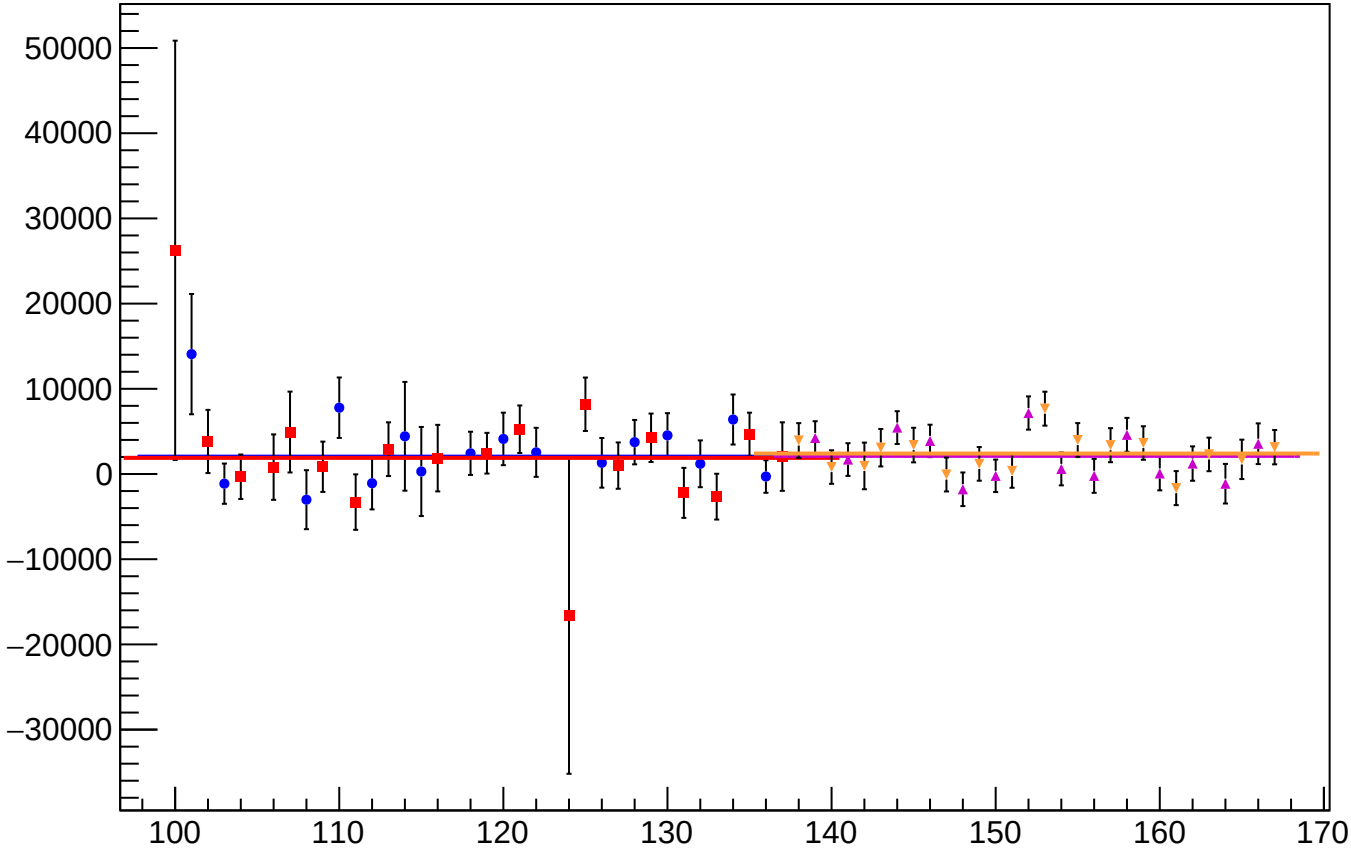
In: 0.000+/-0.000 χ^2/NDF:27.2/29

Out: 0.000+/-0.000 χ^2/NDF:47.0/34

All: 0.000+/-0.000 χ^2/NDF: 74.4/64


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3322992.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1185966.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 2732134.4/18
Left In: 0.000+/-0.000 χ²/NDF:1477347.4/13
Left: 0.000+/-0.000 χ²/NDF: 2705123.9/29
Right: 0.000+/-0.000 χ²/NDF: 6327236.3/34
In: 0.000+/-0.000 χ²/NDF:4913910.8/29
Out: 0.000+/-0.000 χ²/NDF:4550925.7/34
All: 0.000+/-0.000 χ²/NDF: 9592200.2/64

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2402.841+/-512.775 χ^2/NDF:17.4/15

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2127.939+/-534.007 χ^2/NDF:24.3/13

Left: 2270.964+/-369.865 χ^2/NDF: 41.9/29

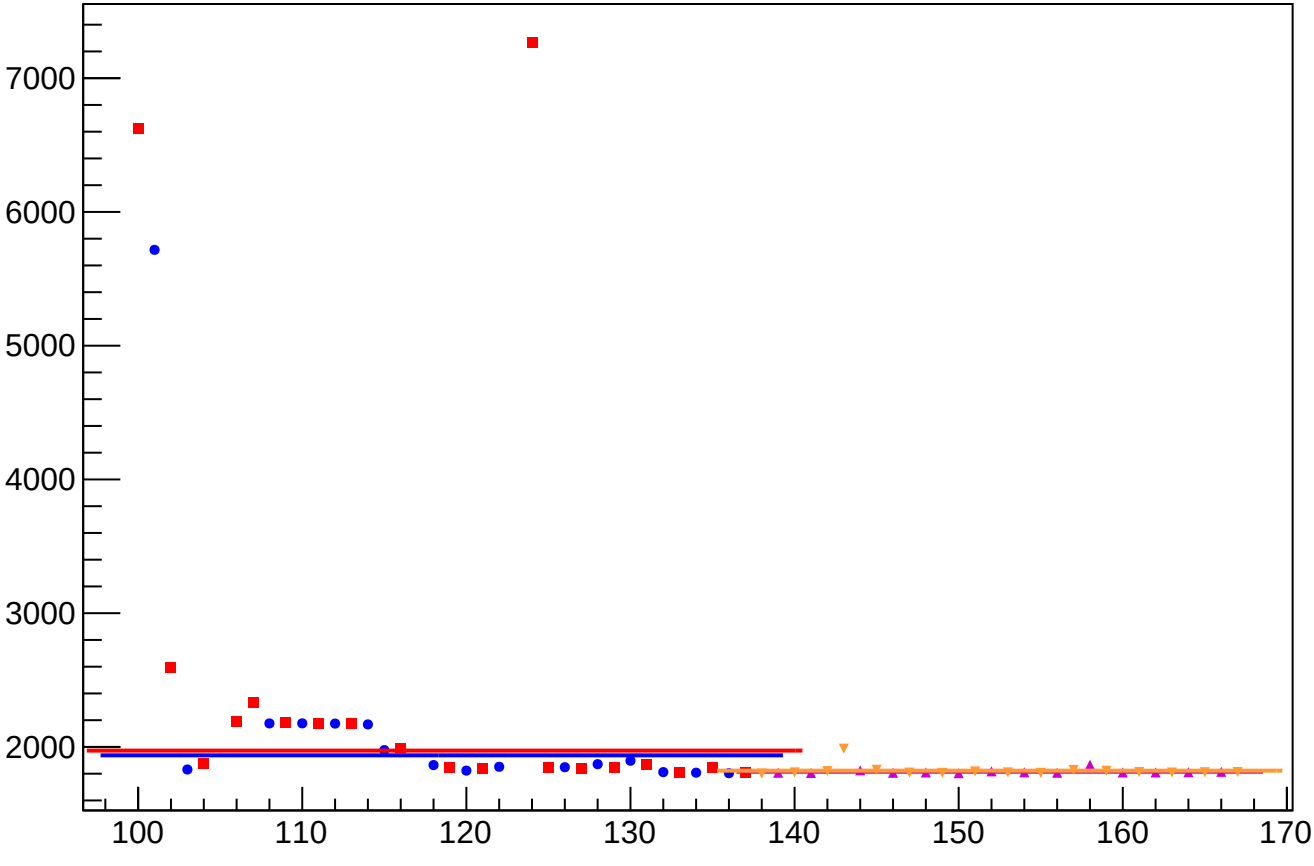
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2097.351+/-432.267 χ^2/NDF:40.8/29

Out: 2237.199+/-420.874 χ^2/NDF:36.3/34

All: 2169.142+/-301.550 χ^2/NDF: 77.1/64

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF:12267.0/15

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1814.610+/-0.378 χ^2/NDF:1720.1/13

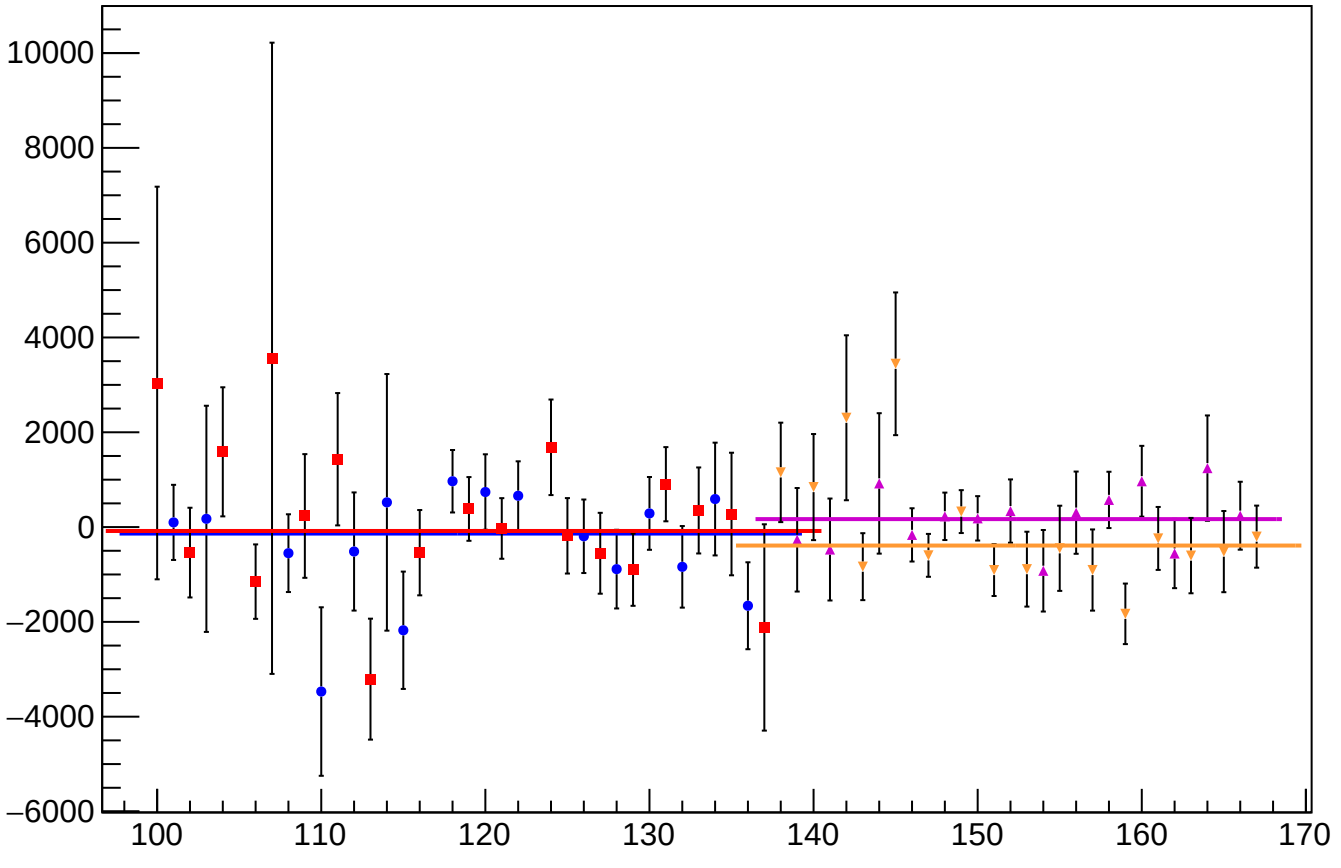
Left: 1818.752+/-0.262 χ^2/NDF: 14218.4/29

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1856.890+/-0.306 χ^2/NDF:676179.7/29

Out: 1871.582+/-0.298 χ^2/NDF:445792.4/34

All: 1864.432+/-0.213 χ^2/NDF: 1123158.2/64



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -389.645+/-177.347 χ^2/NDF:22.4/15

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 168.096+/-188.780 χ^2/NDF:6.4/13

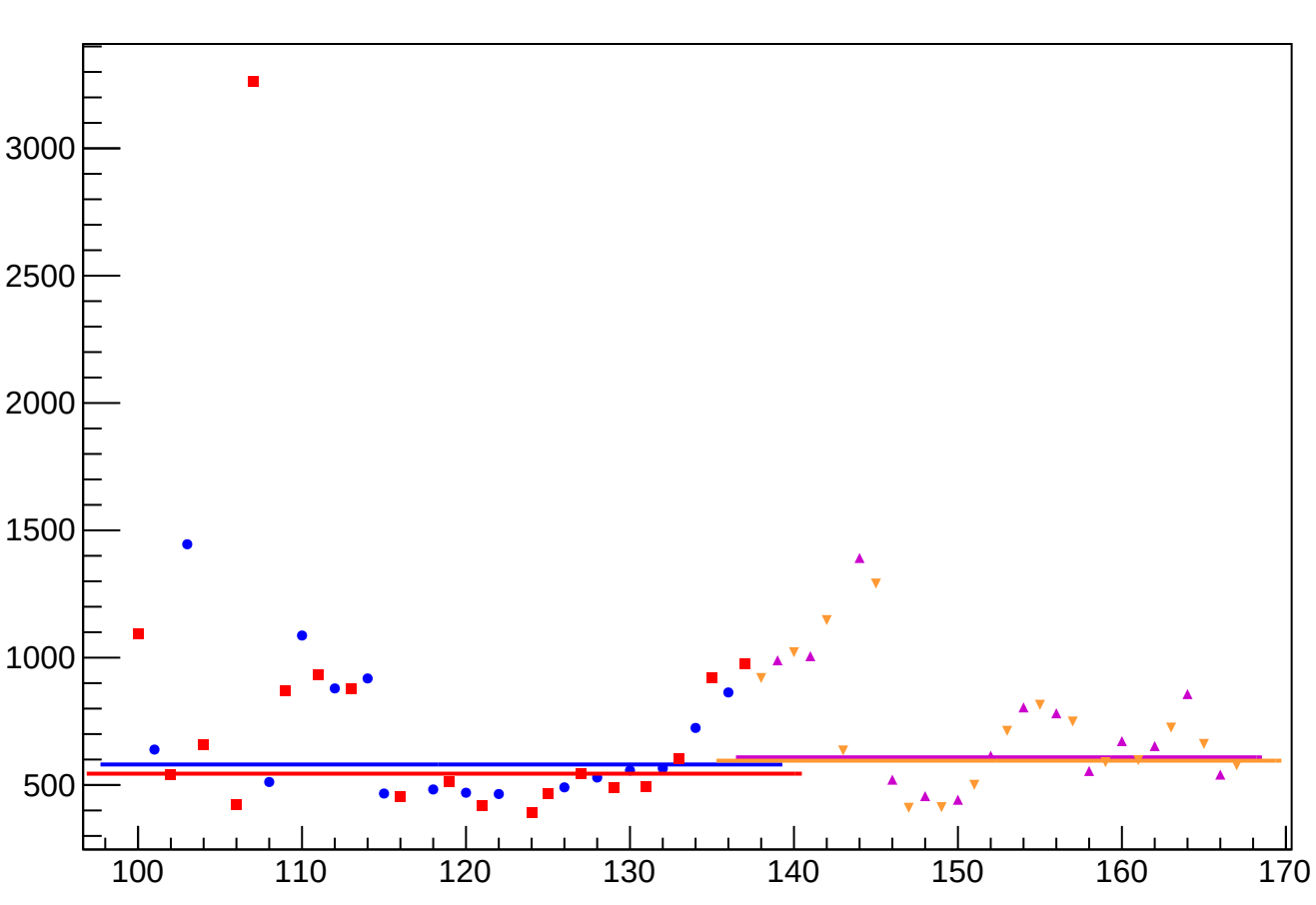
Left: -128.174+/-129.256 χ^2/NDF: 33.4/29

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 45.708+/-146.031 χ^2/NDF:24.3/29

Out: -269.925+/-138.566 χ^2/NDF:43.3/34

All: -120.382+/-100.517 χ^2/NDF: 70.0/64



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 595.554+/-0.125 χ^2/NDF:2129936.5/15

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 608.601+/-0.133 χ^2/NDF:1901429.4/13

Left: 601.671+/-0.091 χ^2/NDF: 4036439.8/29

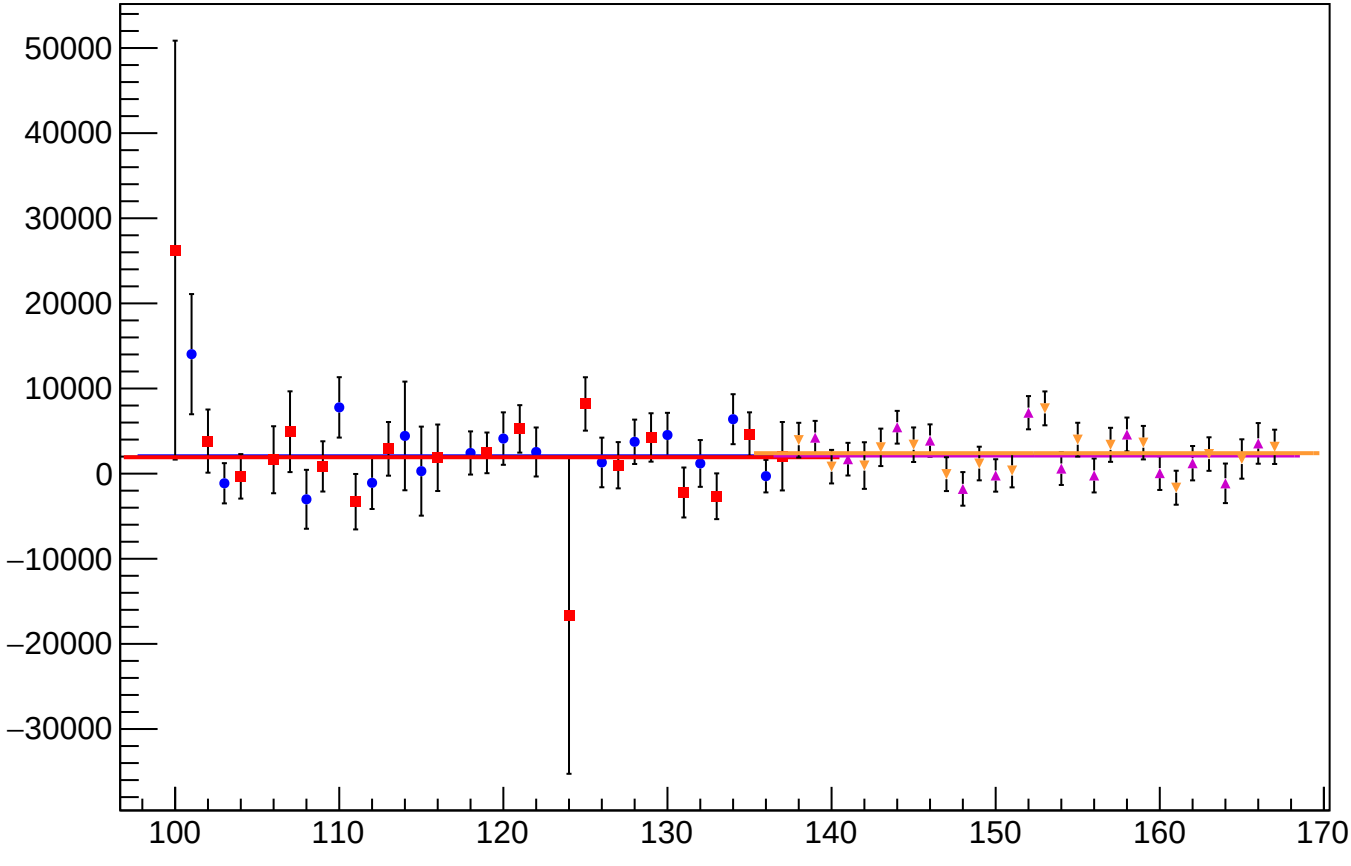
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 597.359+/-0.103 χ^2/NDF:2922497.8/29

Out: 575.679+/-0.098 χ^2/NDF:3482066.1/34

All: 585.951+/-0.071 χ^2/NDF: 6427760.6/64

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2402.837+/-512.775 χ^2/NDF:17.4/15

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2128.022+/-534.007 χ^2/NDF:24.3/13

Left: 2271.001+/-369.865 χ^2/NDF: 41.9/29

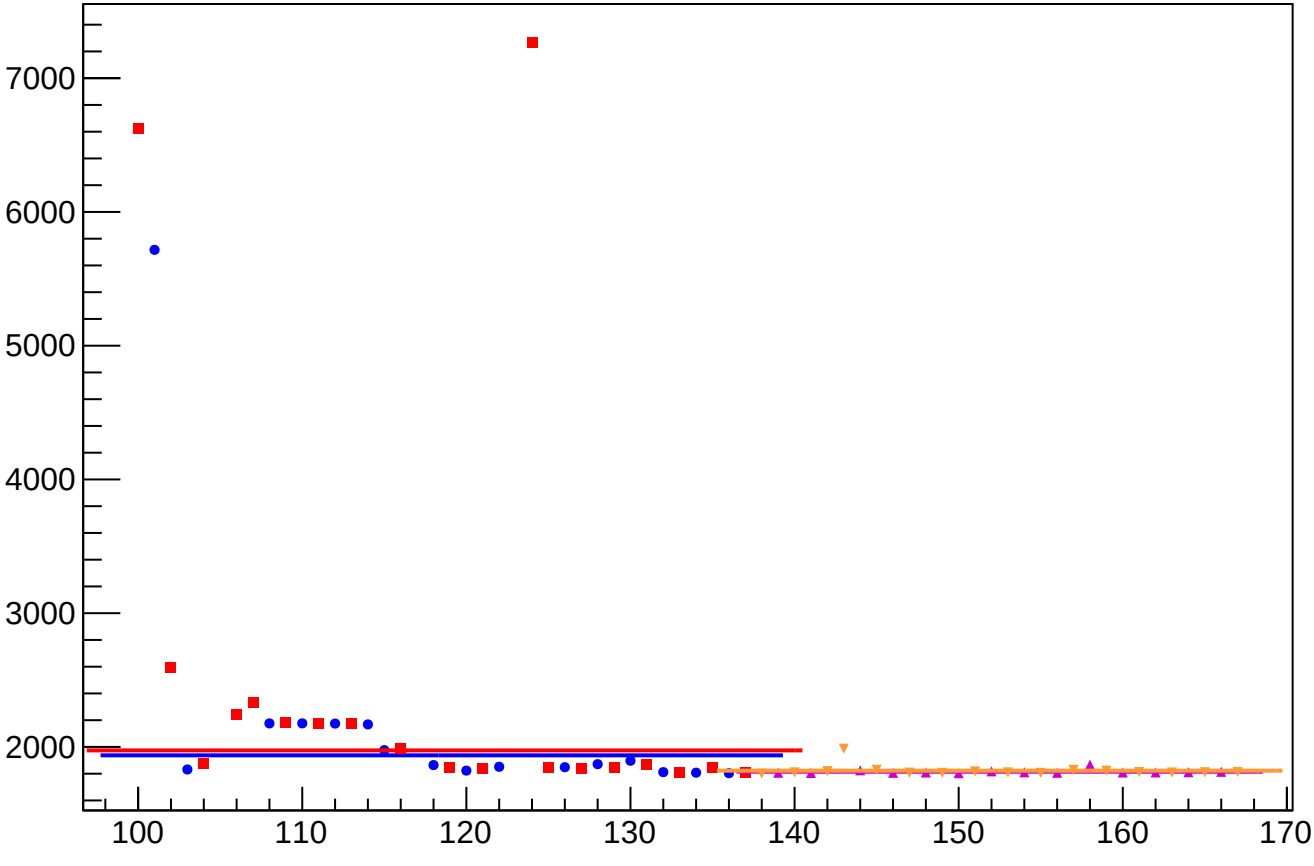
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2097.278+/-432.267 χ^2/NDF:40.7/29

Out: 2247.503+/-420.995 χ^2/NDF:36.1/34

All: 2174.375+/-301.595 χ^2/NDF: 77.0/64

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF:12267.0/15

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.610+/-0.378 χ^2/NDF:1720.1/13

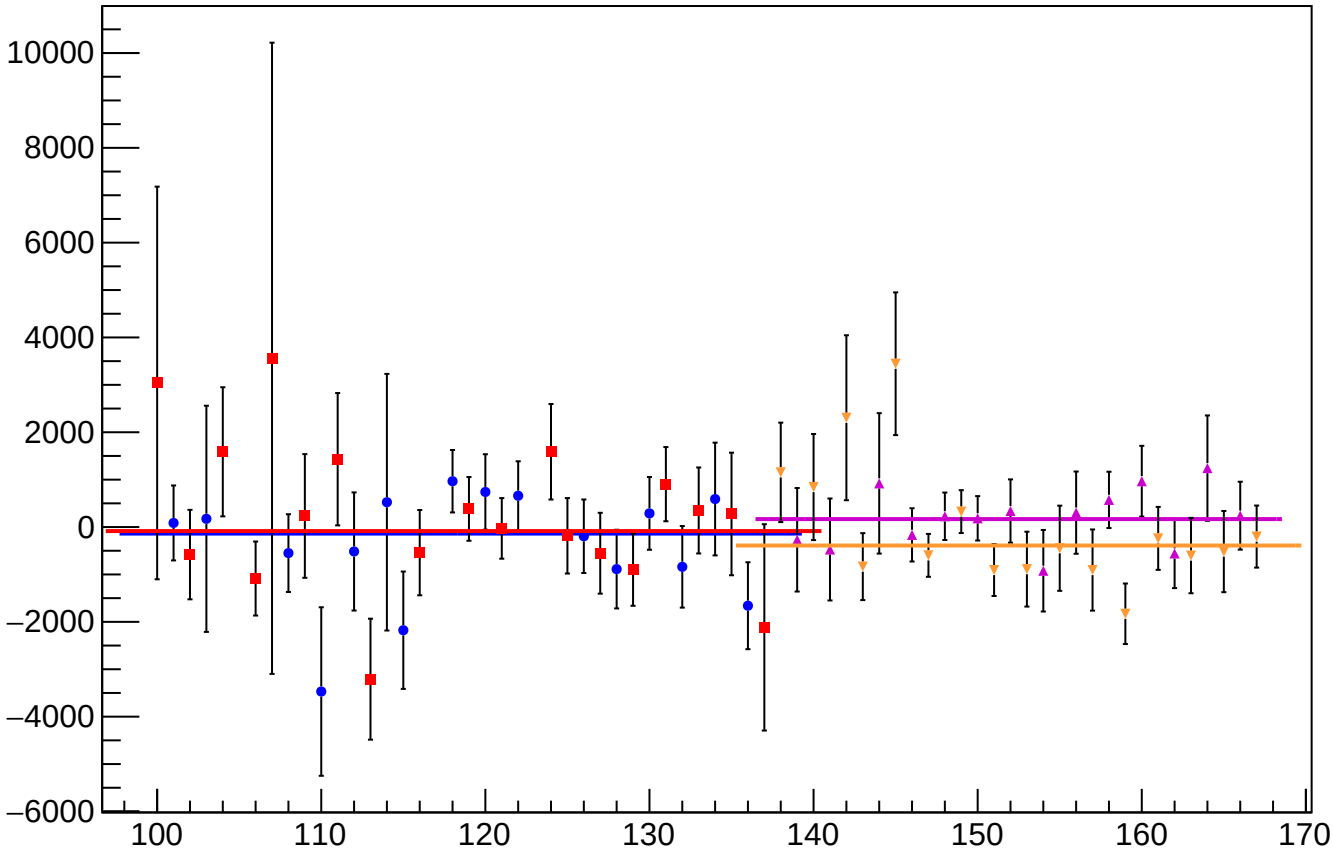
Left: 1818.753+/-0.262 χ^2/NDF: 14218.4/29

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1856.890+/-0.306 χ^2/NDF:676179.6/29

Out: 1871.979+/-0.298 χ^2/NDF:449663.0/34

All: 1864.634+/-0.213 χ^2/NDF: 1127093.3/64



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -389.685+/-177.347 χ^2/NDF:22.3/15

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 168.120+/-188.781 χ^2/NDF:6.4/13

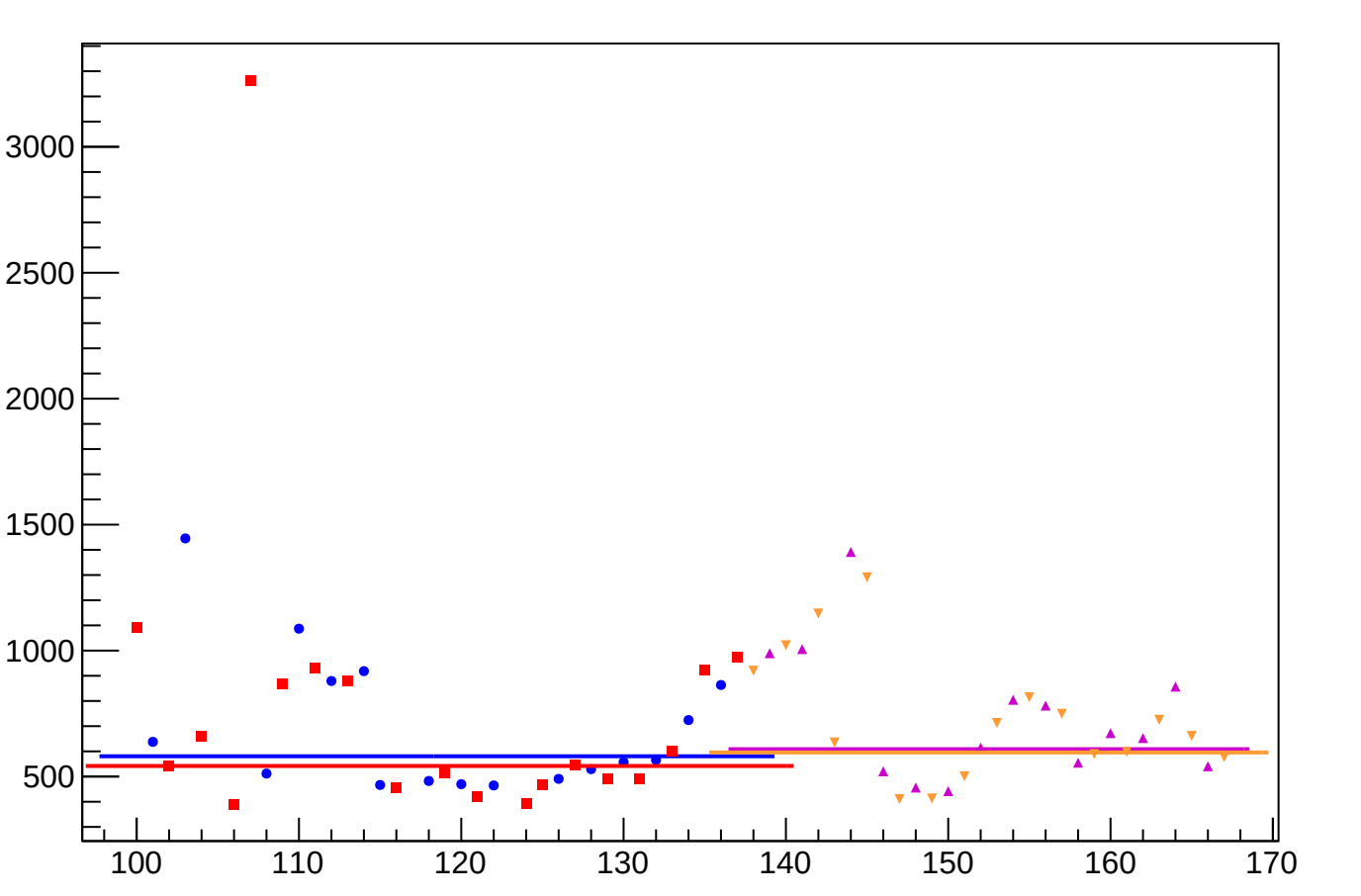
Left: -128.186+/-129.256 χ^2/NDF: 33.4/29

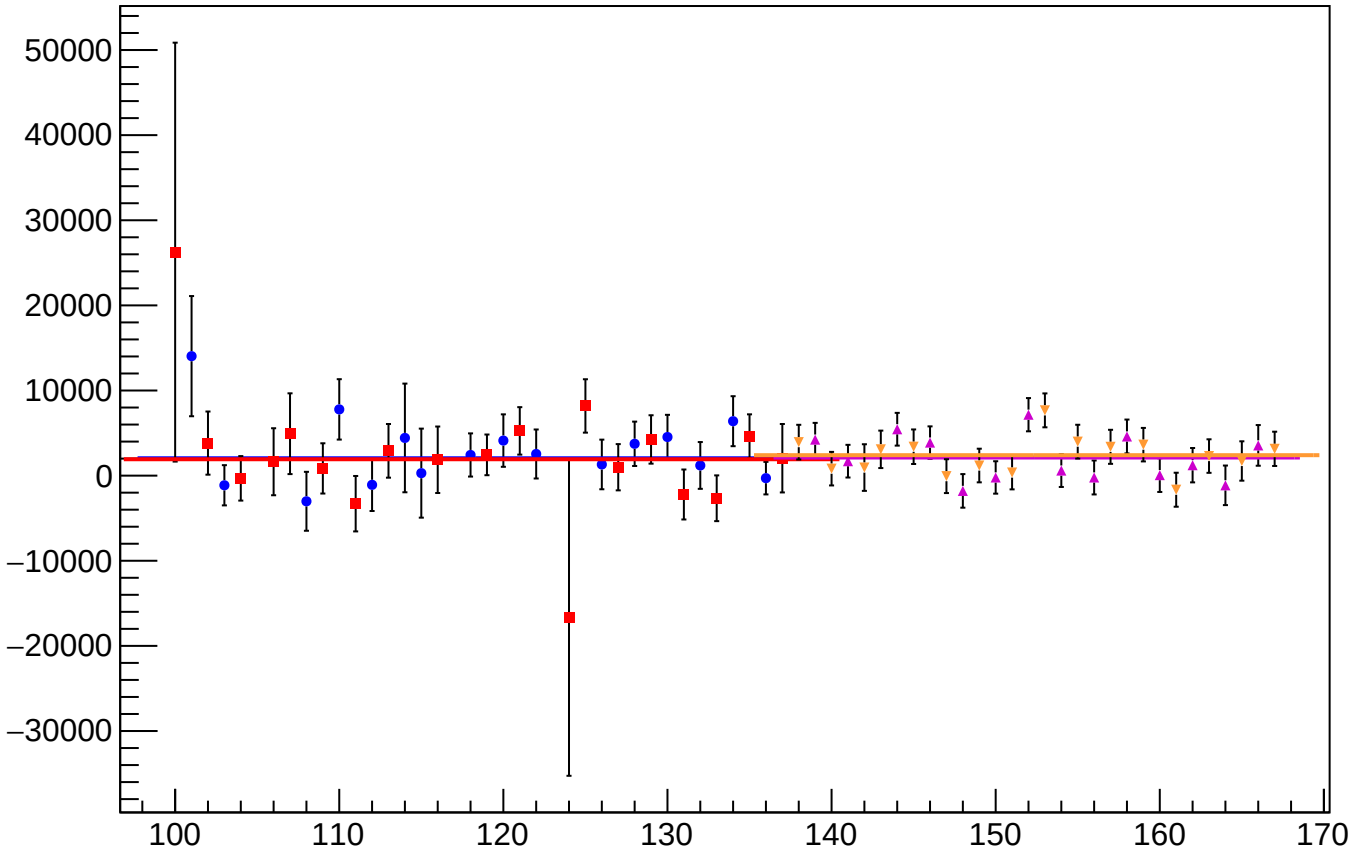
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 45.350+/-146.019 χ^2/NDF:24.3/29

Out: -270.892+/-138.533 χ^2/NDF:42.8/34

All: -121.086+/-100.500 χ^2/NDF: 69.6/64


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 595.552+/-0.125 χ²/NDF:2130056.2/15
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 608.603+/-0.133 χ²/NDF:1901483.1/13
Left: 601.670+/-0.091 χ²/NDF: 4036617.1/29
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 597.321+/-0.103 χ²/NDF:2922164.8/29
Out: 574.652+/-0.098 χ²/NDF:3520157.3/34
All: 585.391+/-0.071 χ²/NDF: 6467690.3/64



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2402.837+/-512.775 χ^2/NDF:17.4/15

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2128.022+/-534.007 χ^2/NDF:24.3/13

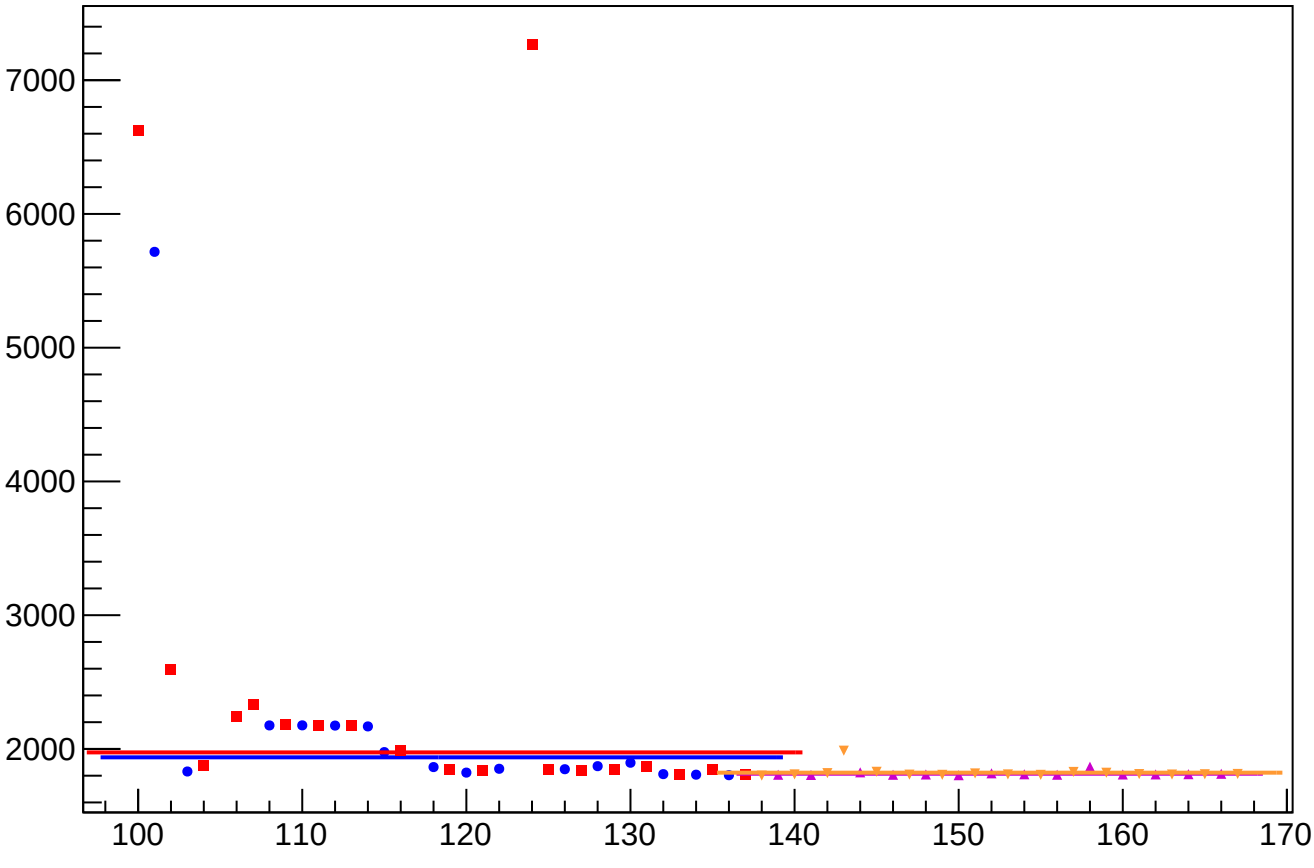
Left: 2271.001+/-369.865 χ^2/NDF: 41.9/29

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2097.278+/-432.267 χ^2/NDF:40.7/29

Out: 2247.503+/-420.995 χ^2/NDF:36.1/34

All: 2174.375+/-301.595 χ^2/NDF: 77.0/64



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF:12267.0/15

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.610+/-0.378 χ^2/NDF:1720.1/13

Left: 1818.753+/-0.262 χ^2/NDF: 14218.4/29

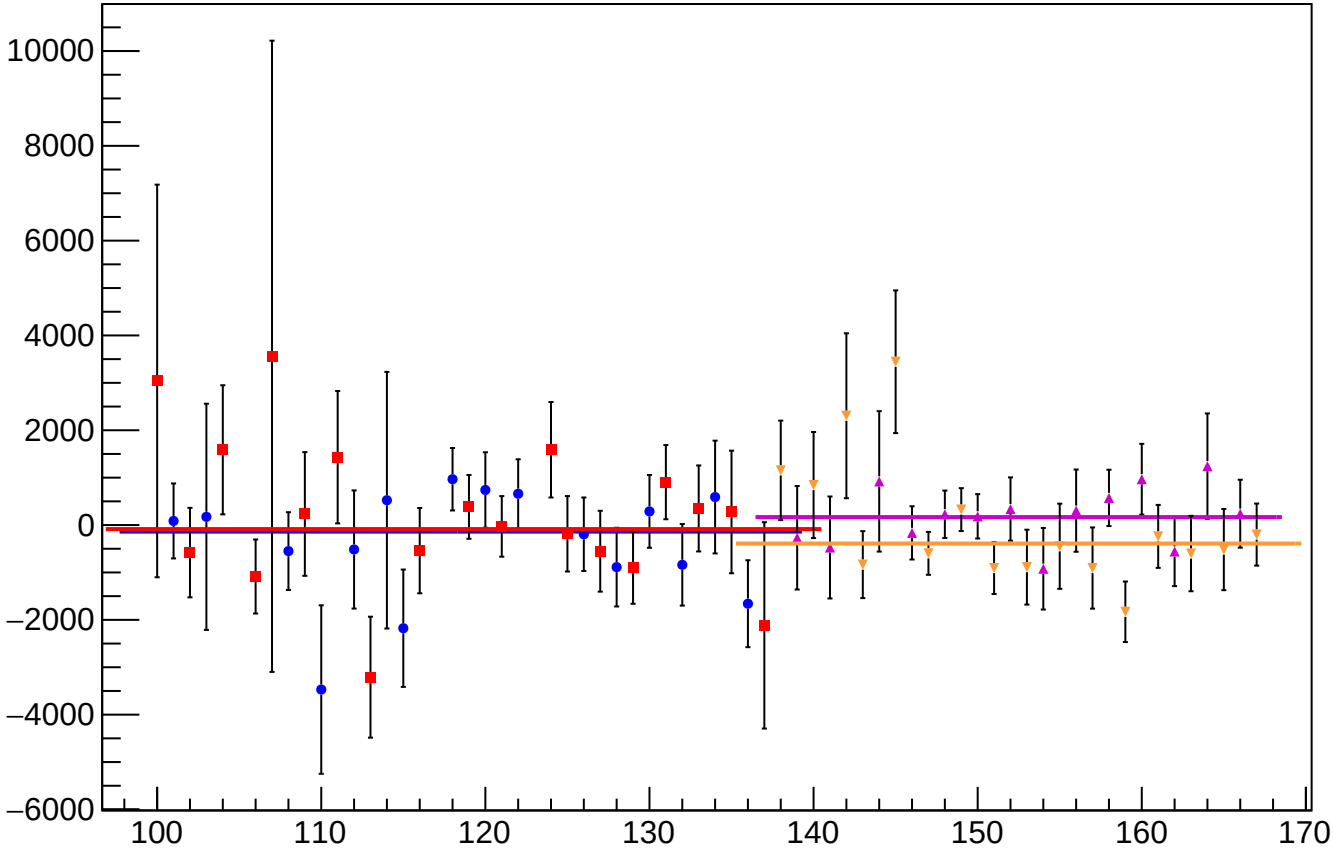
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1856.890+/-0.306 χ^2/NDF:676179.6/29

Out: 1871.979+/-0.298 χ^2/NDF:449663.0/34

All: 1864.634+/-0.213 χ^2/NDF: 1127093.3/64

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -389.685+/-177.347 χ^2/NDF:22.3/15

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 168.120+/-188.781 χ^2/NDF:6.4/13

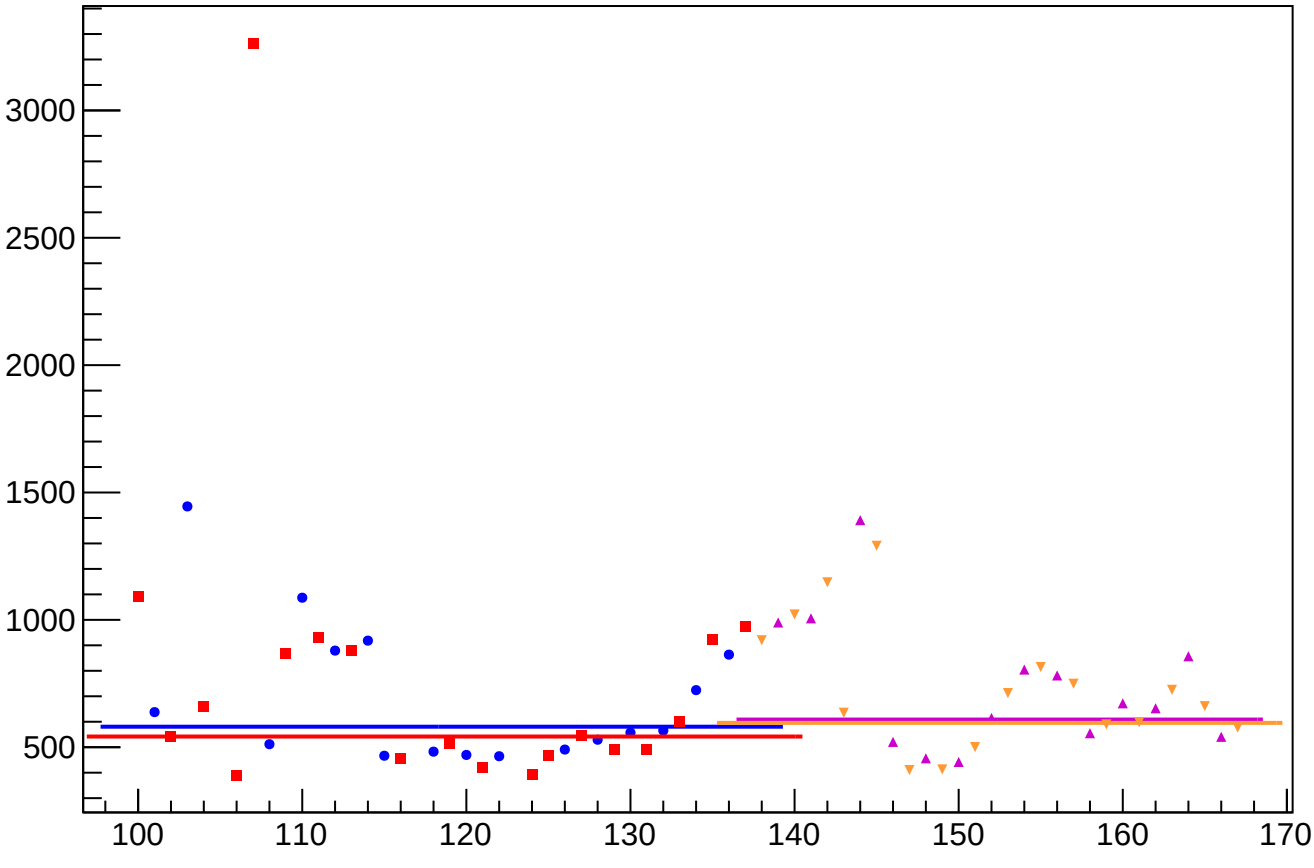
Left: -128.186+/-129.256 χ^2/NDF: 33.4/29

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 45.350+/-146.019 χ^2/NDF:24.3/29

Out: -270.892+/-138.533 χ^2/NDF:42.8/34

All: -121.086+/-100.500 χ^2/NDF: 69.6/64


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
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120
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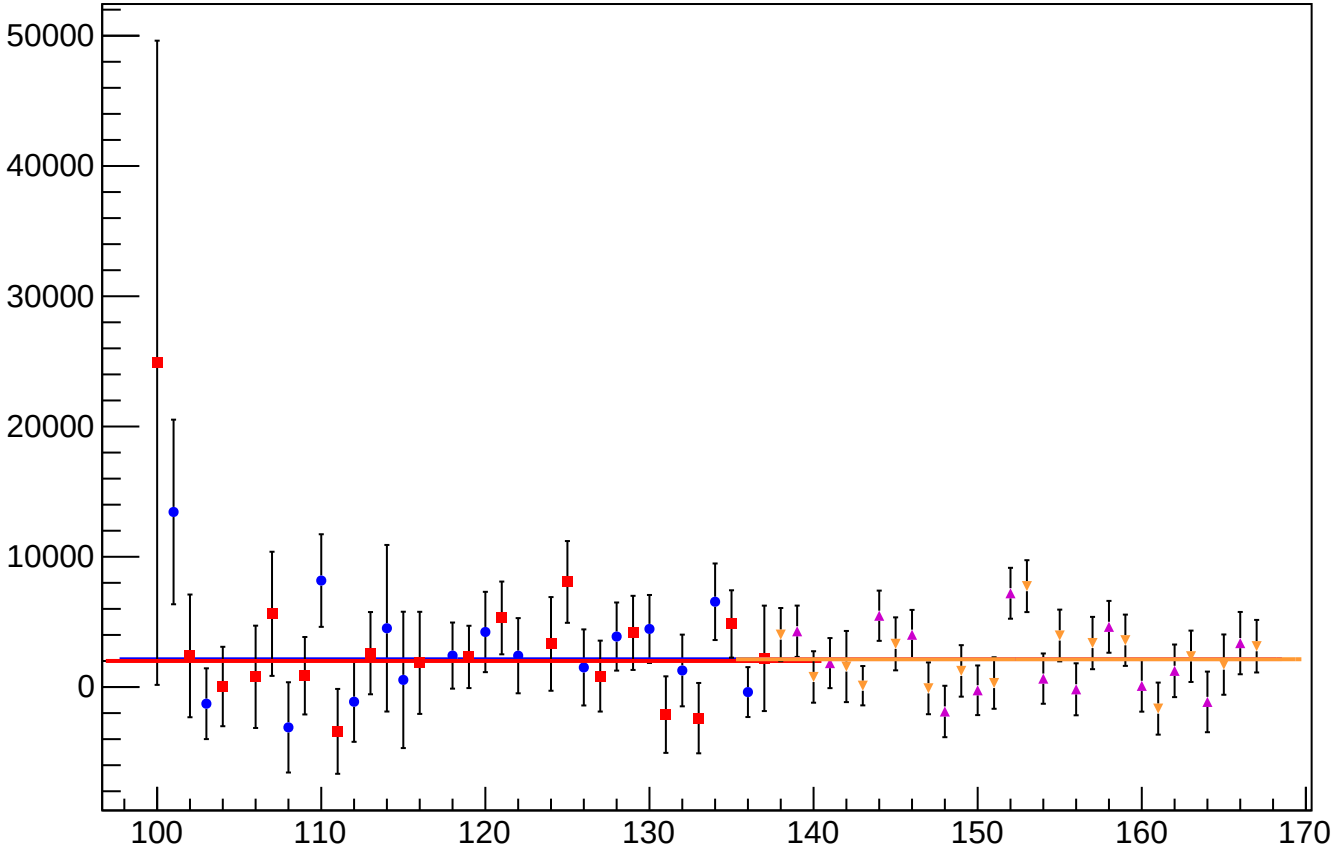
140
150
160
170
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 595.552+/-0.125 χ²/NDF:2130056.2/15
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 608.603+/-0.133 χ²/NDF:1901483.1/13
Left: 601.670+/-0.091 χ²/NDF: 4036617.1/29
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 597.321+/-0.103 χ²/NDF:2922164.8/29
Out: 574.652+/-0.098 χ²/NDF:3520157.3/34
All: 585.391+/-0.071 χ²/NDF: 6467690.3/64

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2134.709+/-498.334 χ^2/NDF:19.4/15

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2150.002+/-534.606 χ^2/NDF:24.6/13

Left: 2141.820+/-364.525 χ^2/NDF: 44.0/29

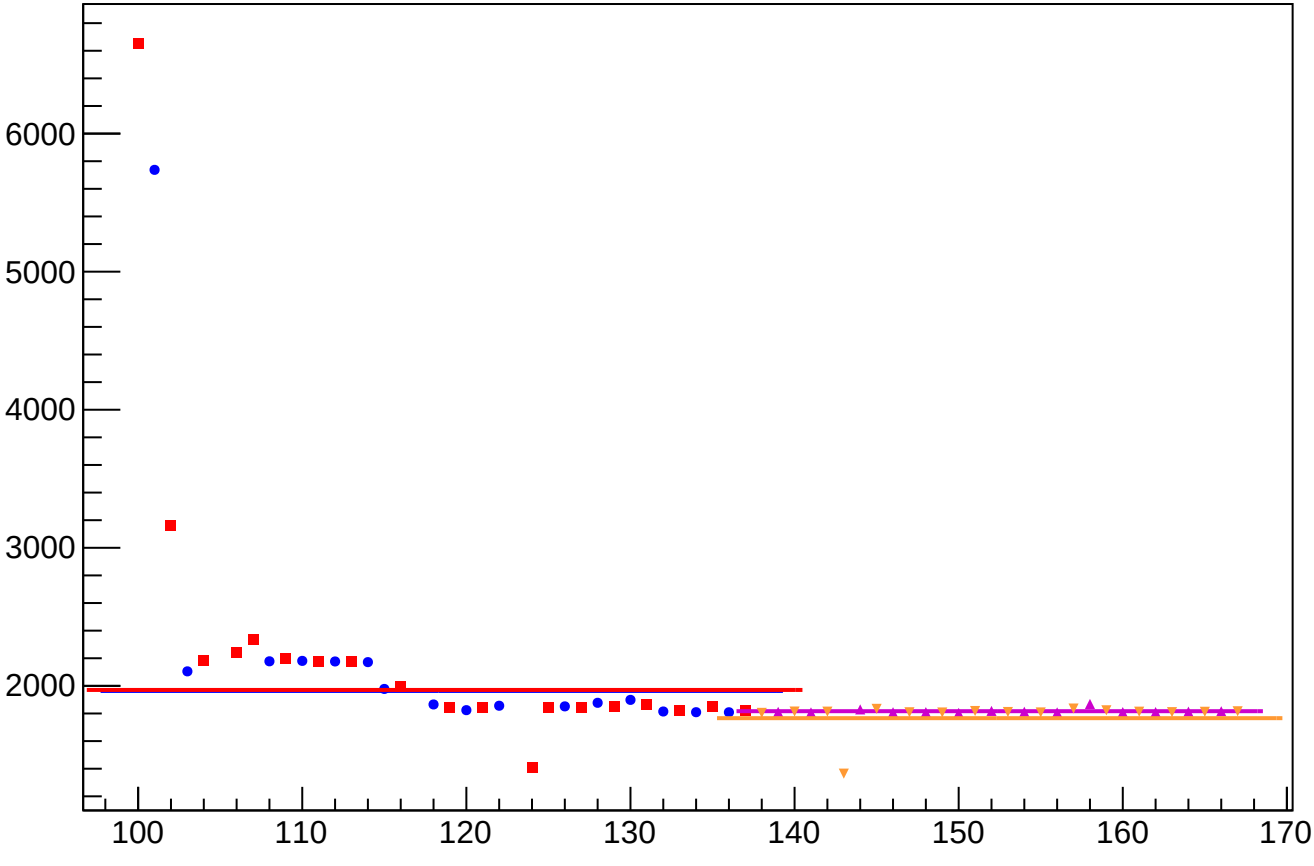
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2142.794+/-434.592 χ^2/NDF:41.1/29

Out: 2093.156+/-412.855 χ^2/NDF:36.2/34

All: 2116.702+/-299.322 χ^2/NDF: 77.3/64

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1766.020+/-0.352 χ^2/NDF:159504.0/15

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1816.623+/-0.378 χ^2/NDF:1755.4/13

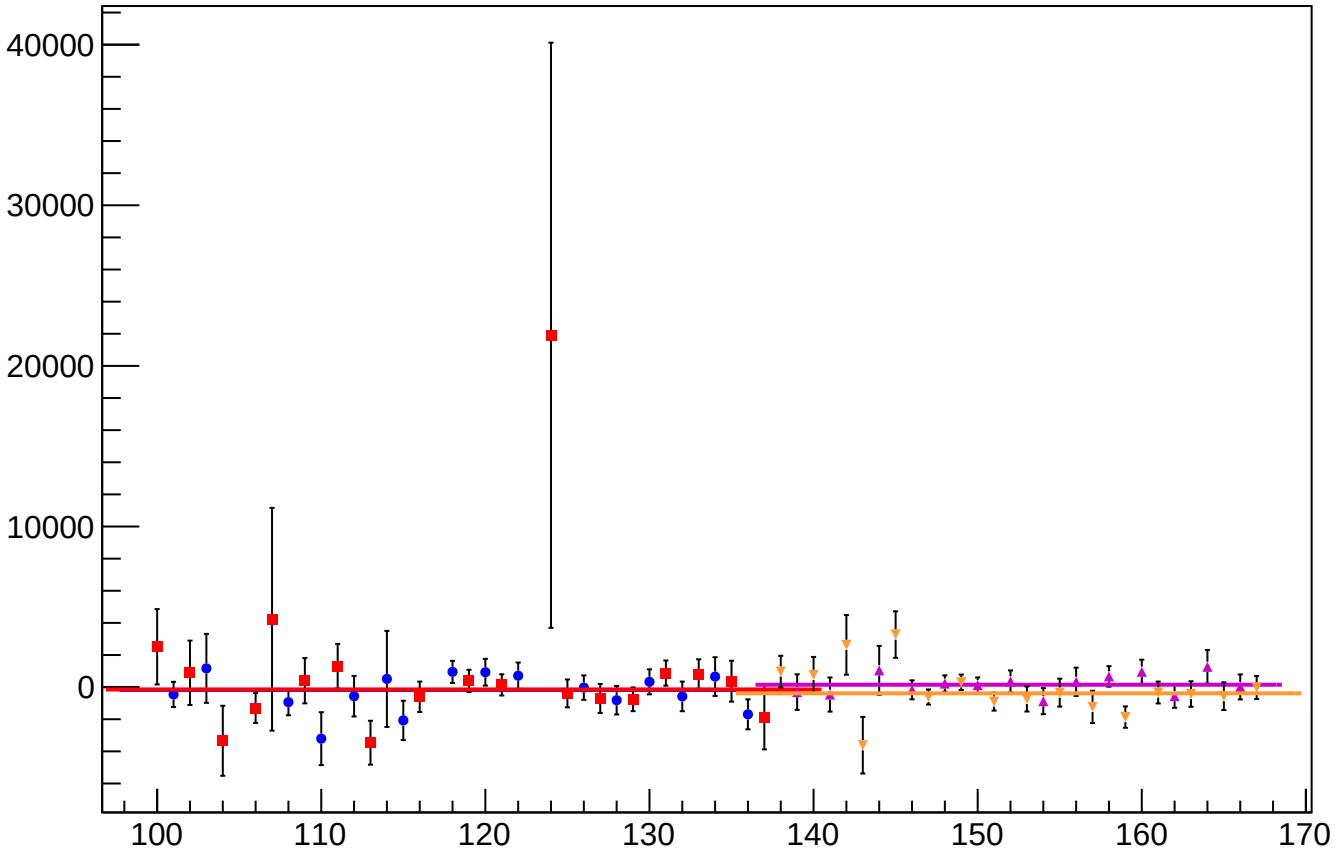
Left: 1789.547+/-0.258 χ^2/NDF: 170847.4/29

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1866.409+/-0.307 χ^2/NDF:693150.5/29

Out: 1830.141+/-0.292 χ^2/NDF:610208.3/34

All: 1847.345+/-0.212 χ^2/NDF: 1310680.5/64



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -385.779+/-188.461 χ^2/NDF:24.6/15

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 149.542+/-193.315 χ^2/NDF:6.8/13

Left: -124.924+/-134.945 χ^2/NDF: 35.3/29

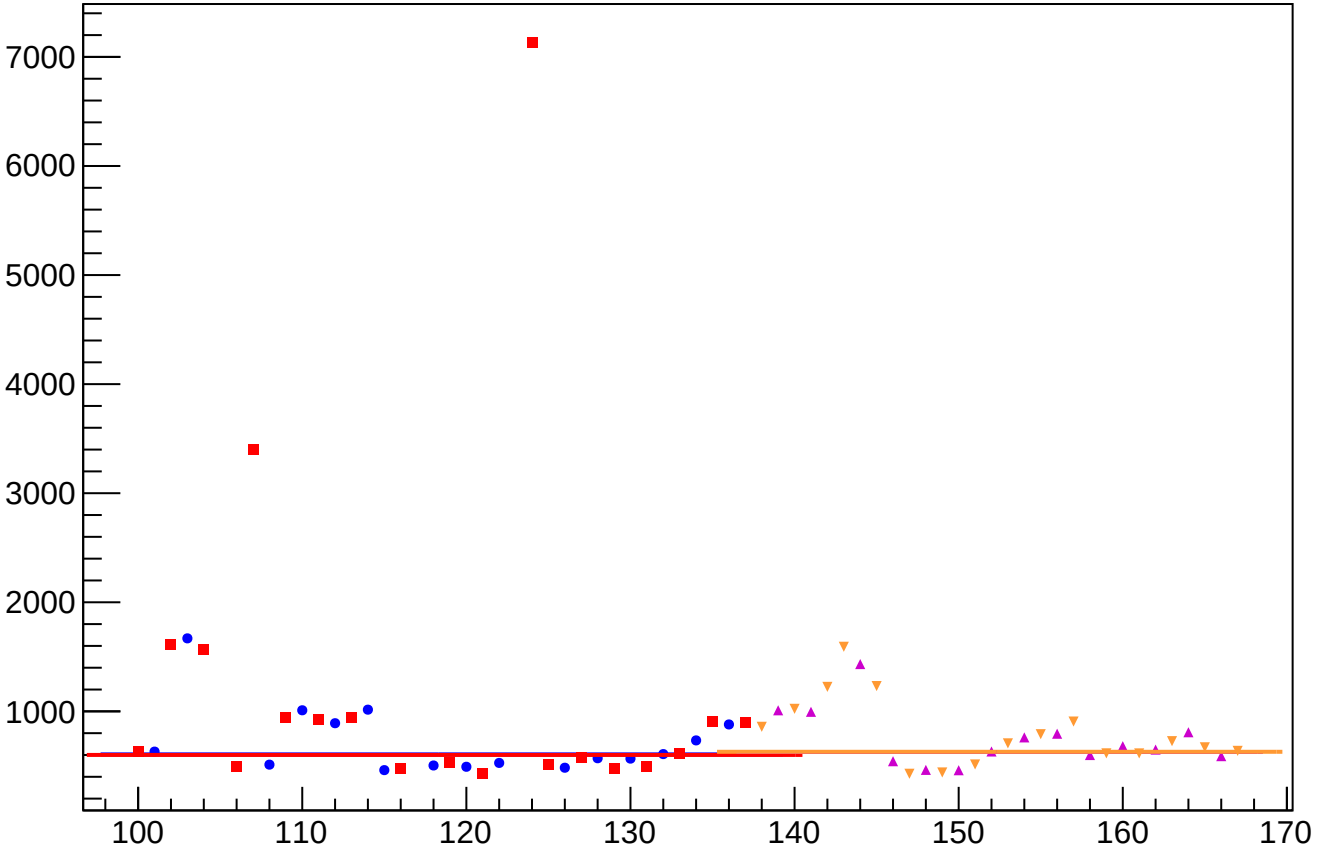
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: 21.513+/-149.779 χ^2/NDF:25.1/29

Out: -296.211+/-148.887 χ^2/NDF:45.3/34

All: -138.299+/-105.593 χ^2/NDF: 72.7/64

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 629.286+/-0.133 χ^2/NDF:2542808.2/15

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 627.326+/-0.137 χ^2/NDF:1733947.6/13

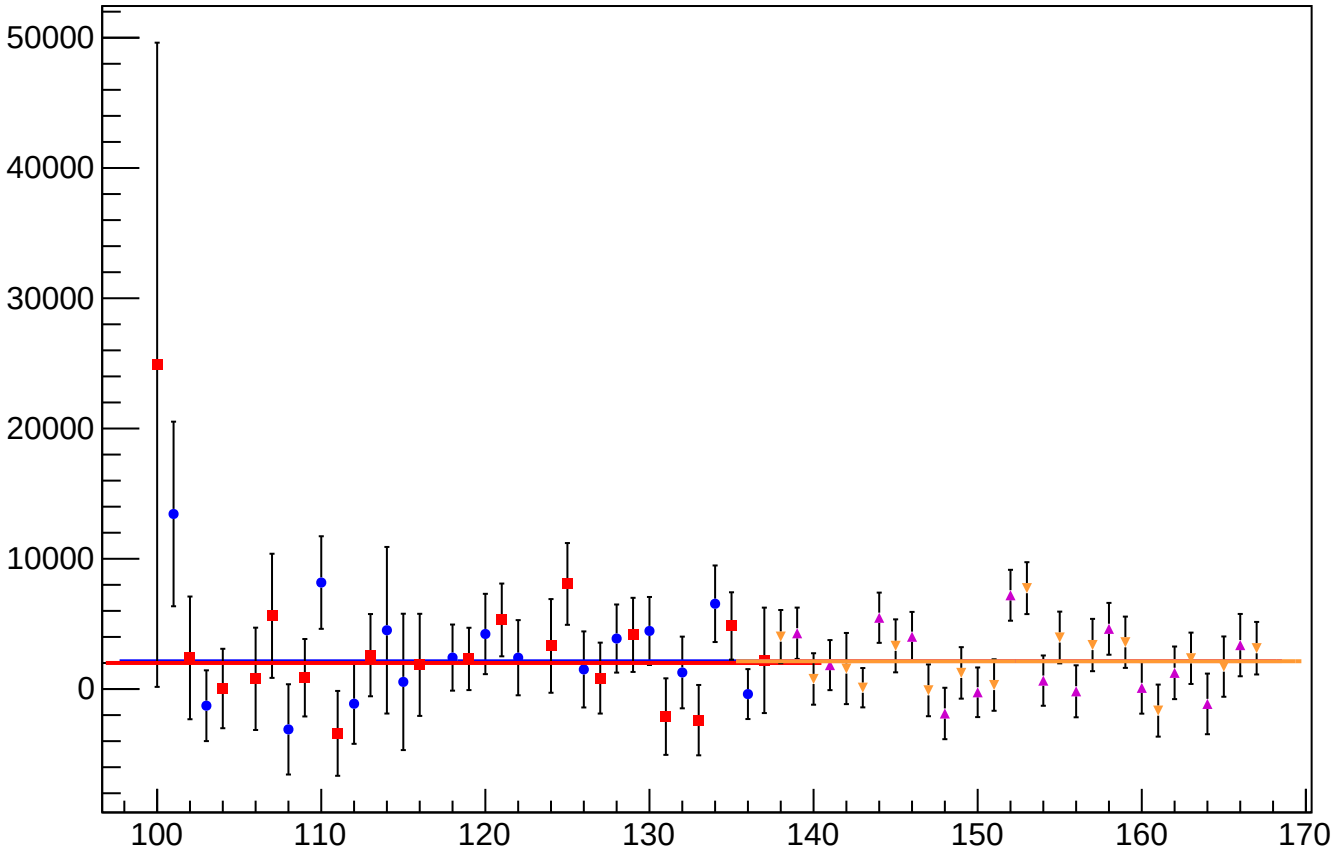
Left: 628.331+/-0.095 χ^2/NDF: 4276861.2/29

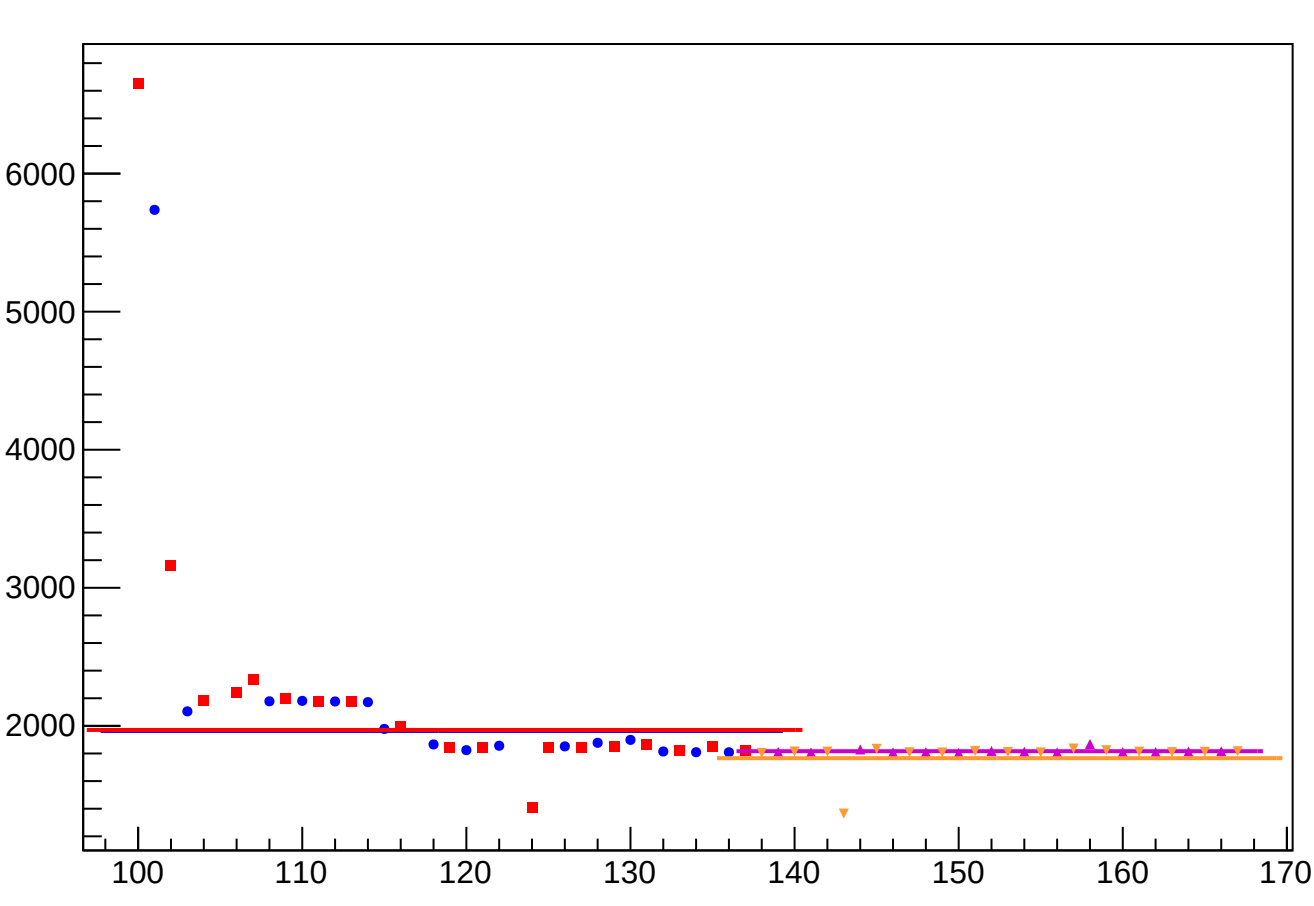
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 618.574+/-0.106 χ^2/NDF:2906657.7/29

Out: 618.446+/-0.105 χ^2/NDF:4888935.4/34

All: 618.509+/-0.075 χ^2/NDF: 7795593.9/64


eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
100
110
120
130
140
150
160
170
Right In: 2128.746+/-746.242 χ²/NDF: 16.5/15
Left Out: 2134.710+/-498.334 χ²/NDF:19.4/15
Right Out: 2002.218+/-737.195 χ²/NDF: 16.7/18
Left In: 2150.003+/-534.606 χ²/NDF:24.6/13
Left: 2141.820+/-364.525 χ²/NDF: 44.0/29
Right: 2064.710+/-524.445 χ²/NDF: 33.3/34
In: 2142.793+/-434.592 χ²/NDF:41.1/29
Out: 2093.155+/-412.855 χ²/NDF:36.2/34
All: 2116.702+/-299.322 χ²/NDF: 77.3/64



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1766.020+/-0.352 χ^2/NDF:159503.9/15

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.623+/-0.378 χ^2/NDF:1755.4/13

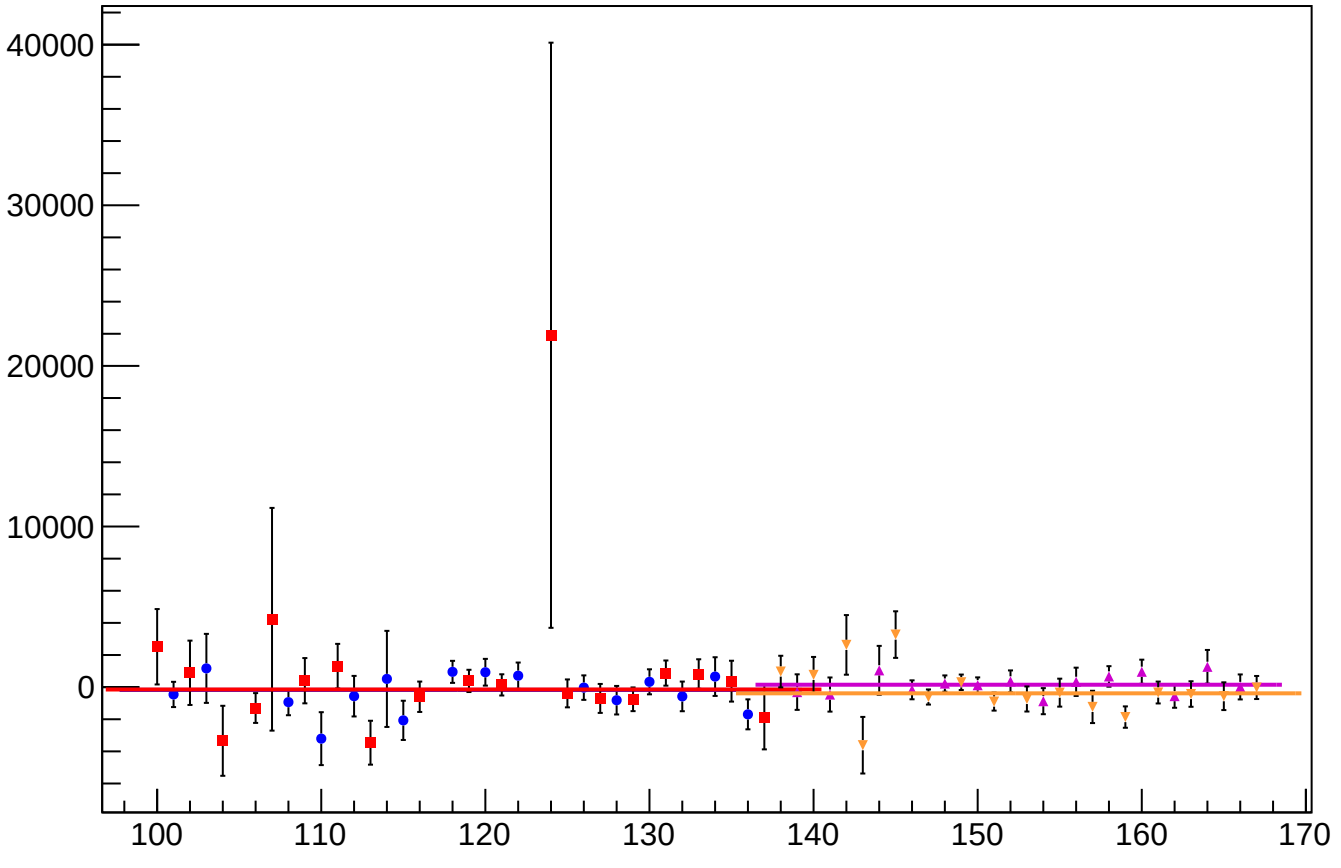
Left: 1789.547+/-0.258 χ^2/NDF: 170847.4/29

Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1866.409+/-0.307 χ^2/NDF:693150.0/29

Out: 1830.140+/-0.292 χ^2/NDF:610206.7/34

All: 1847.345+/-0.212 χ^2/NDF: 1310678.5/64



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -385.780+/-188.461 χ^2/NDF:24.6/15

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 149.542+/-193.316 χ^2/NDF:6.8/13

Left: -124.925+/-134.946 χ^2/NDF: 35.3/29

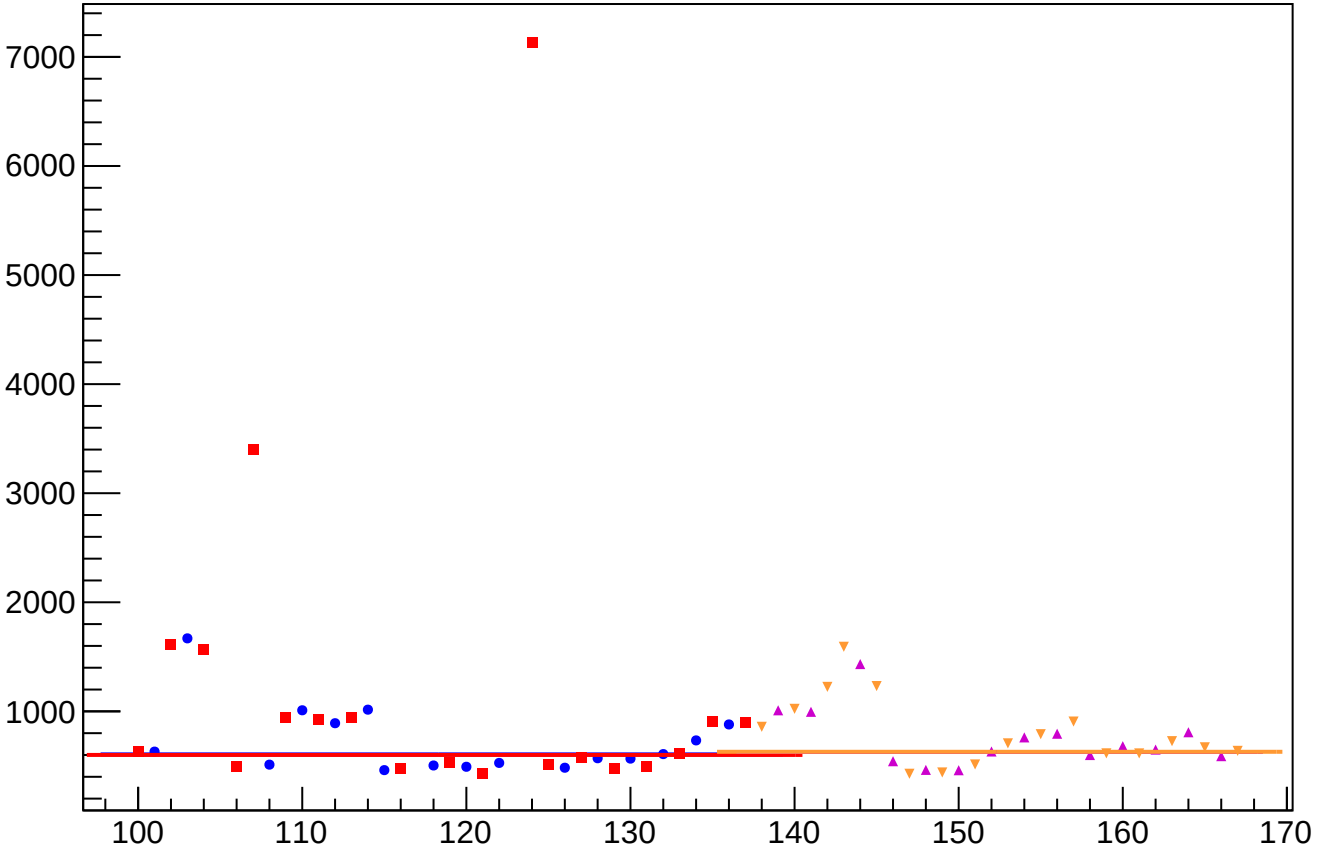
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: 21.513+/-149.779 χ^2/NDF:25.1/29

Out: -296.211+/-148.887 χ^2/NDF:45.3/34

All: -138.299+/-105.593 χ^2/NDF: 72.7/64

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 629.287+/-0.133 χ^2/NDF:2542800.3/15

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 627.327+/-0.137 χ^2/NDF:1733942.8/13

Left: 628.332+/-0.095 χ^2/NDF: 4276848.5/29

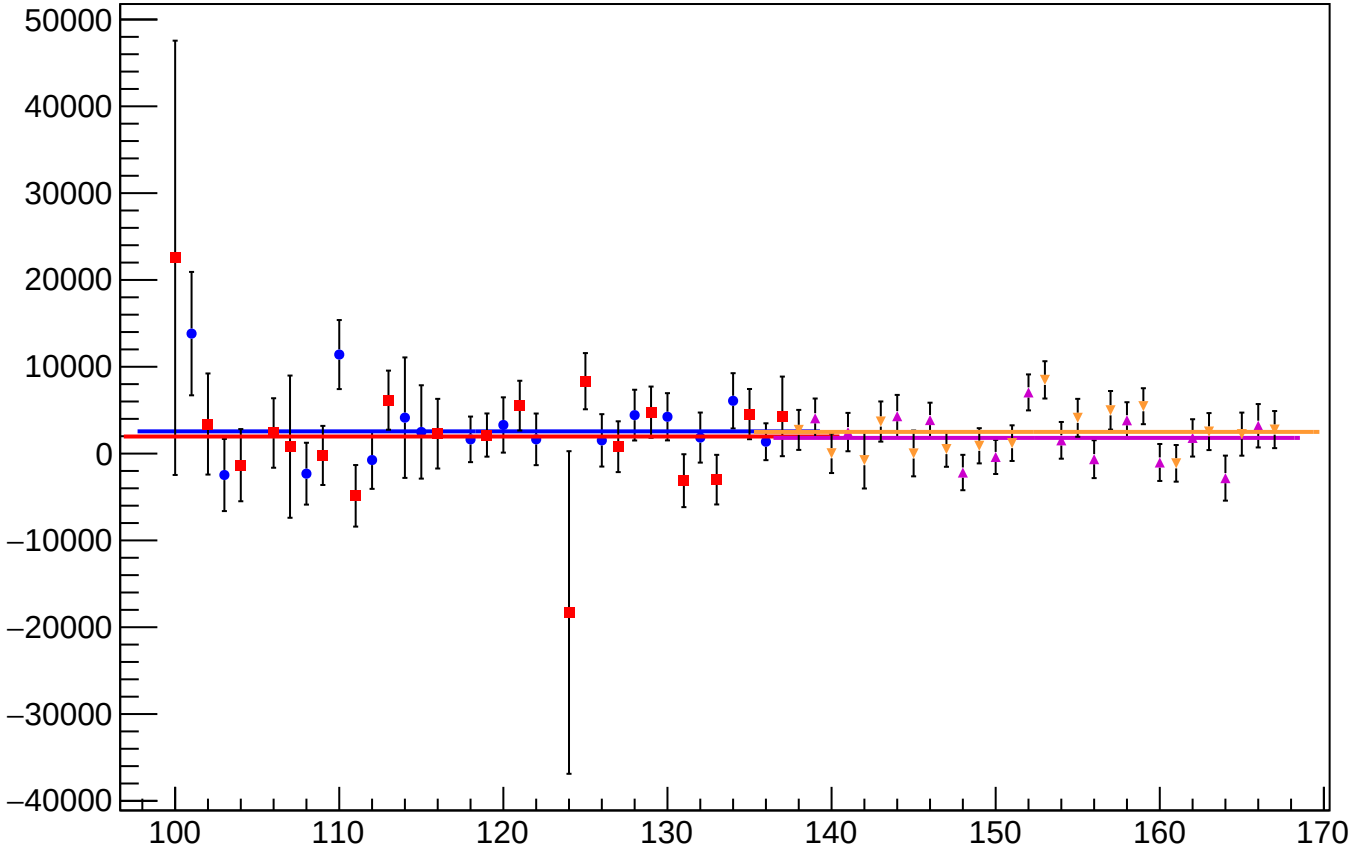
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 618.574+/-0.106 χ^2/NDF:2906662.9/29

Out: 618.446+/-0.105 χ^2/NDF:4888937.9/34

All: 618.510+/-0.075 χ^2/NDF: 7795601.5/64

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2498.086+/-557.745 χ^2/NDF:19.9/15

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1806.885+/-581.270 χ^2/NDF:22.2/13

Left: 2166.755+/-402.445 χ^2/NDF: 42.8/29

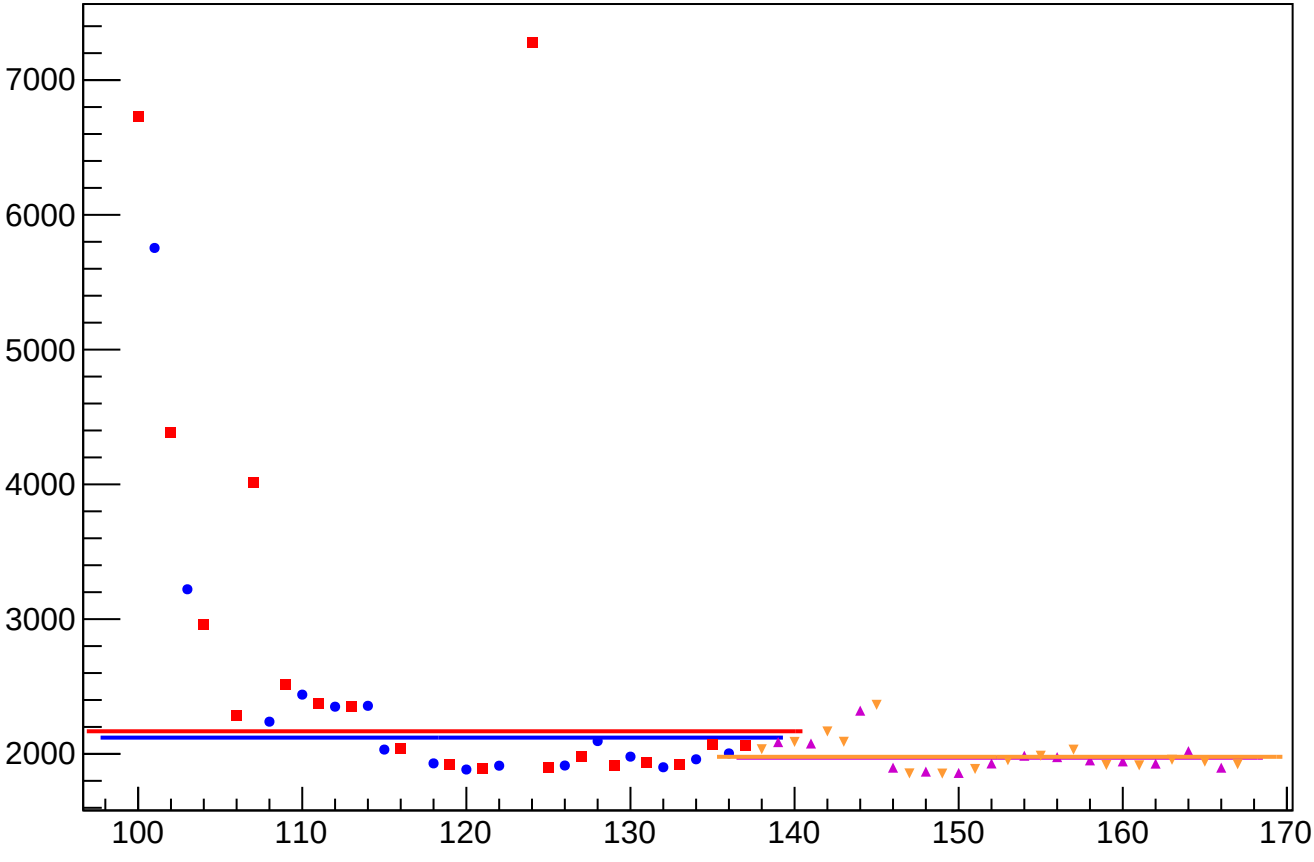
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2063.358+/-472.186 χ^2/NDF:37.4/29

Out: 2329.690+/-460.969 χ^2/NDF:41.8/34

All: 2199.725+/-329.849 χ^2/NDF: 79.3/64

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1978.361+/-0.394 χ^2/NDF:85596.7/15

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1971.545+/-0.411 χ^2/NDF:69572.3/13

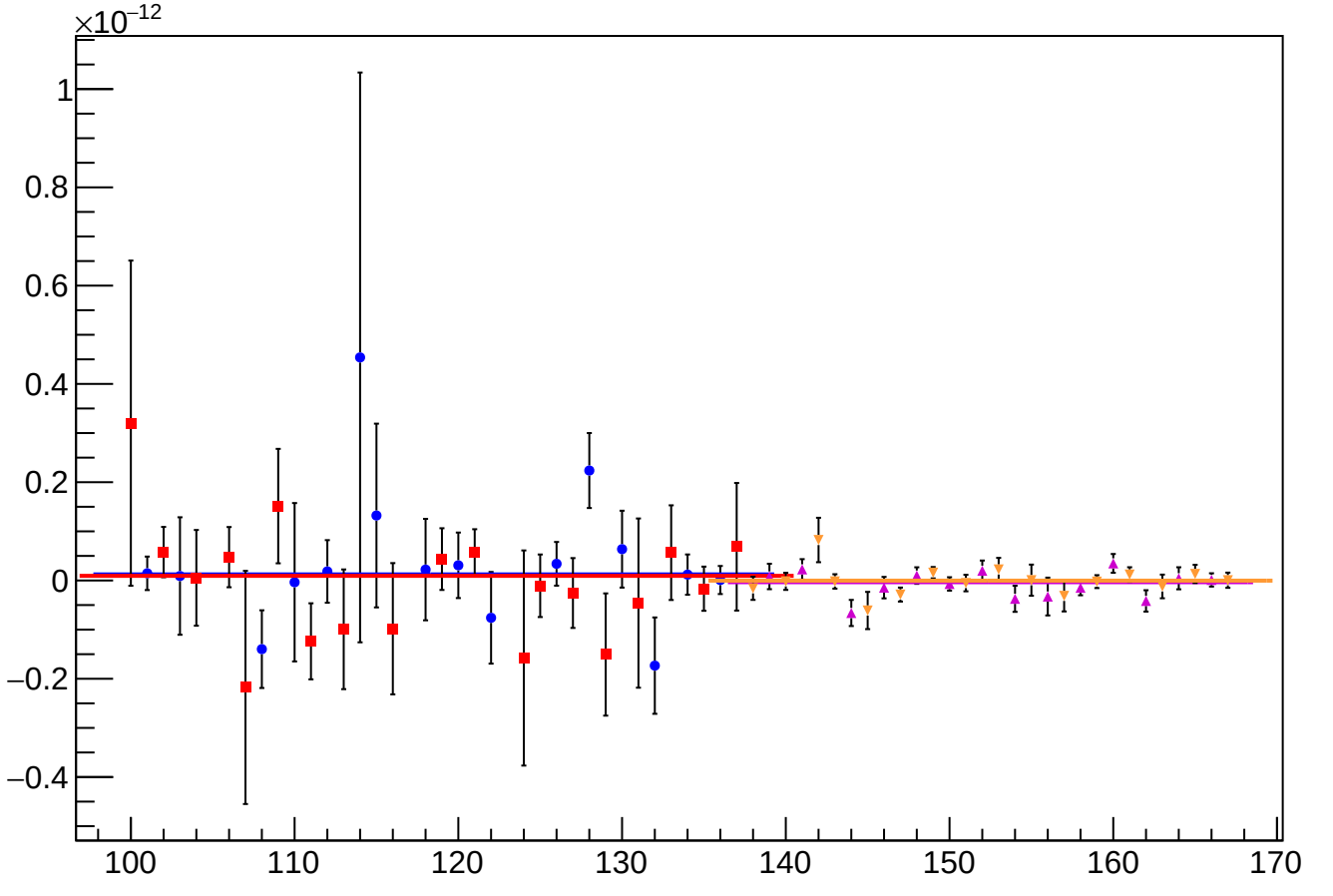
Left: 1975.094+/-0.285 χ^2/NDF: 155312.1/29

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2022.301+/-0.334 χ^2/NDF:874377.2/29

Out: 2038.410+/-0.326 χ^2/NDF:982674.9/34

All: 2030.549+/-0.233 χ^2/NDF: 1858244.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/13

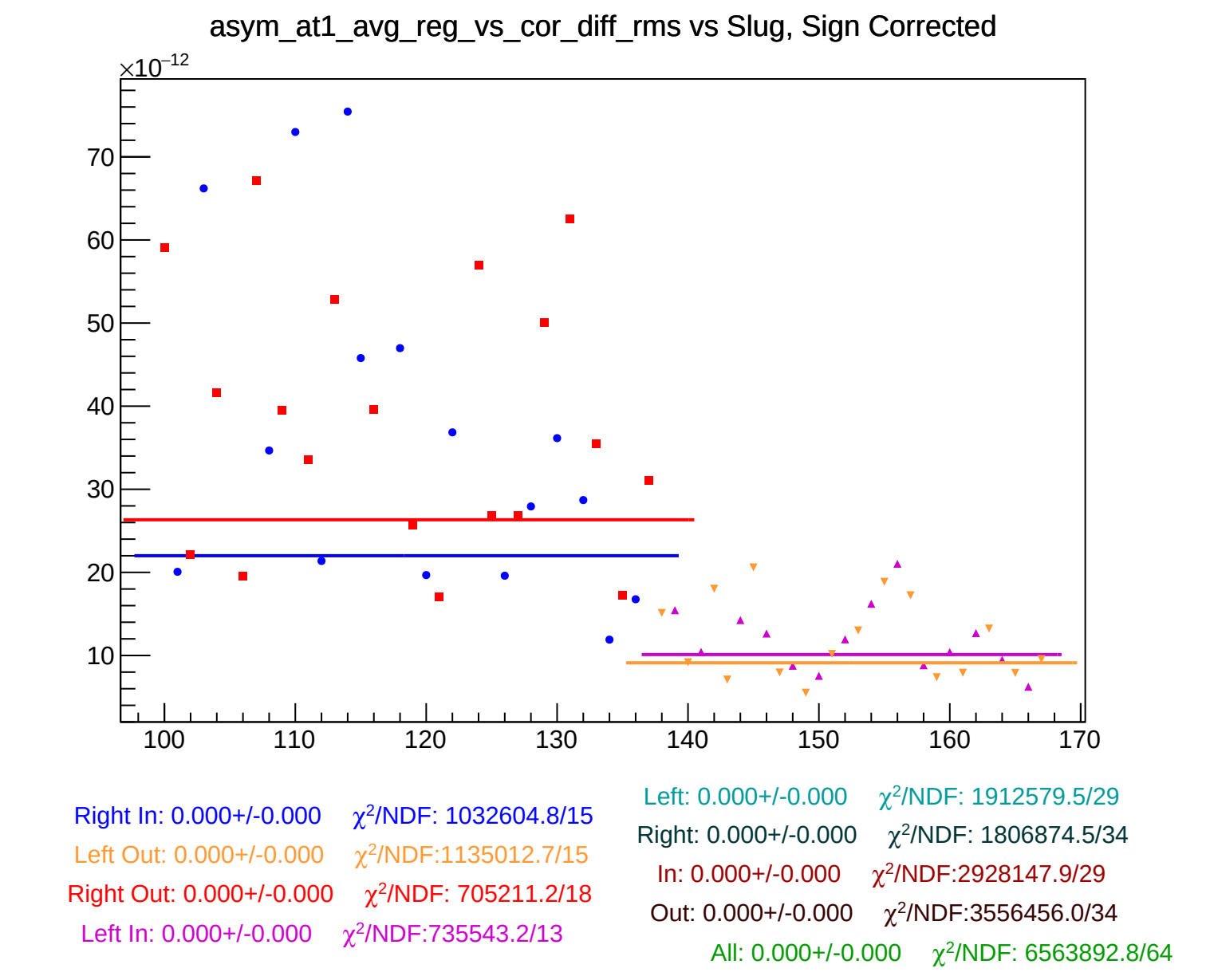
Left: -0.000+/-0.000 χ^2/NDF: 35.6/29

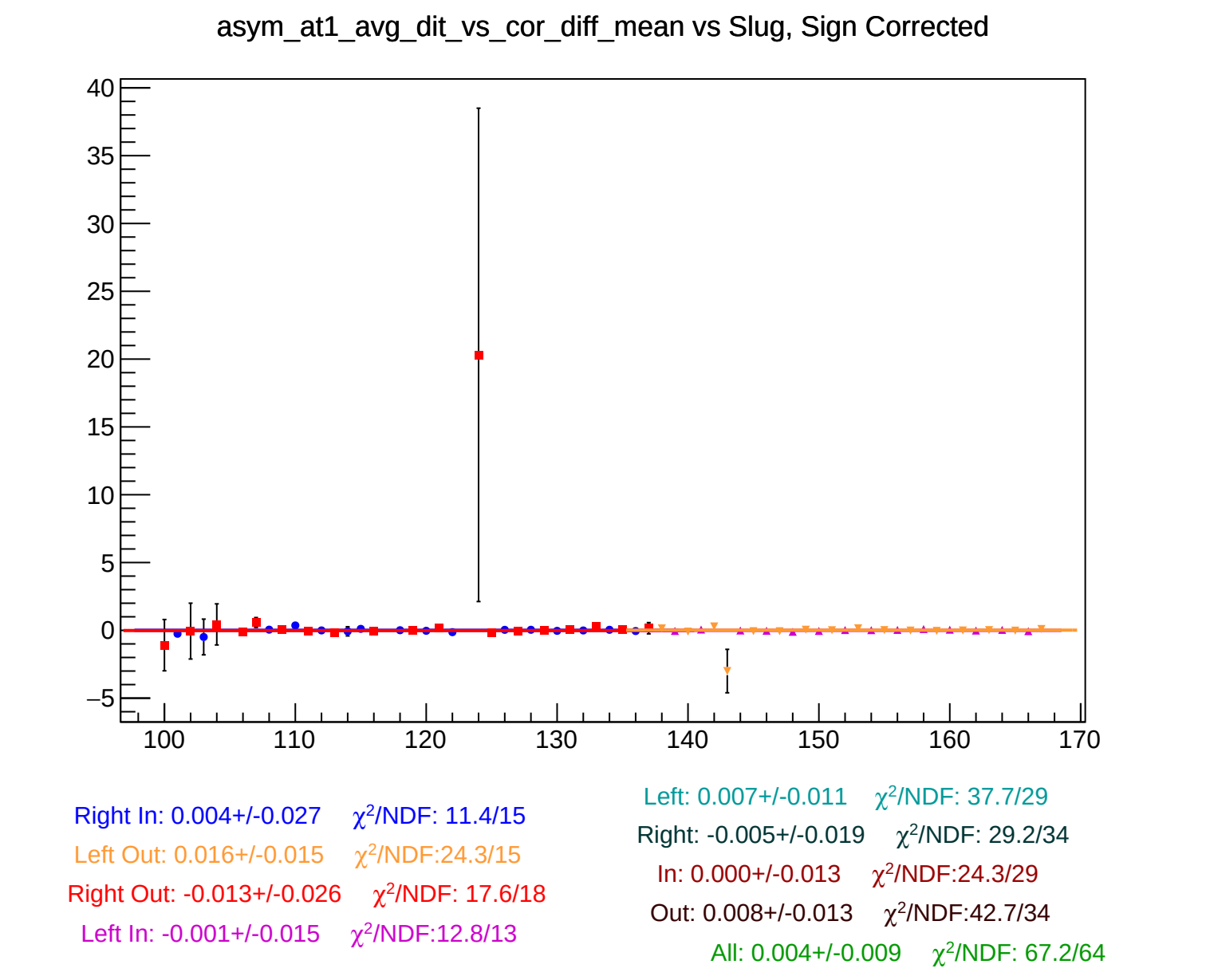
Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

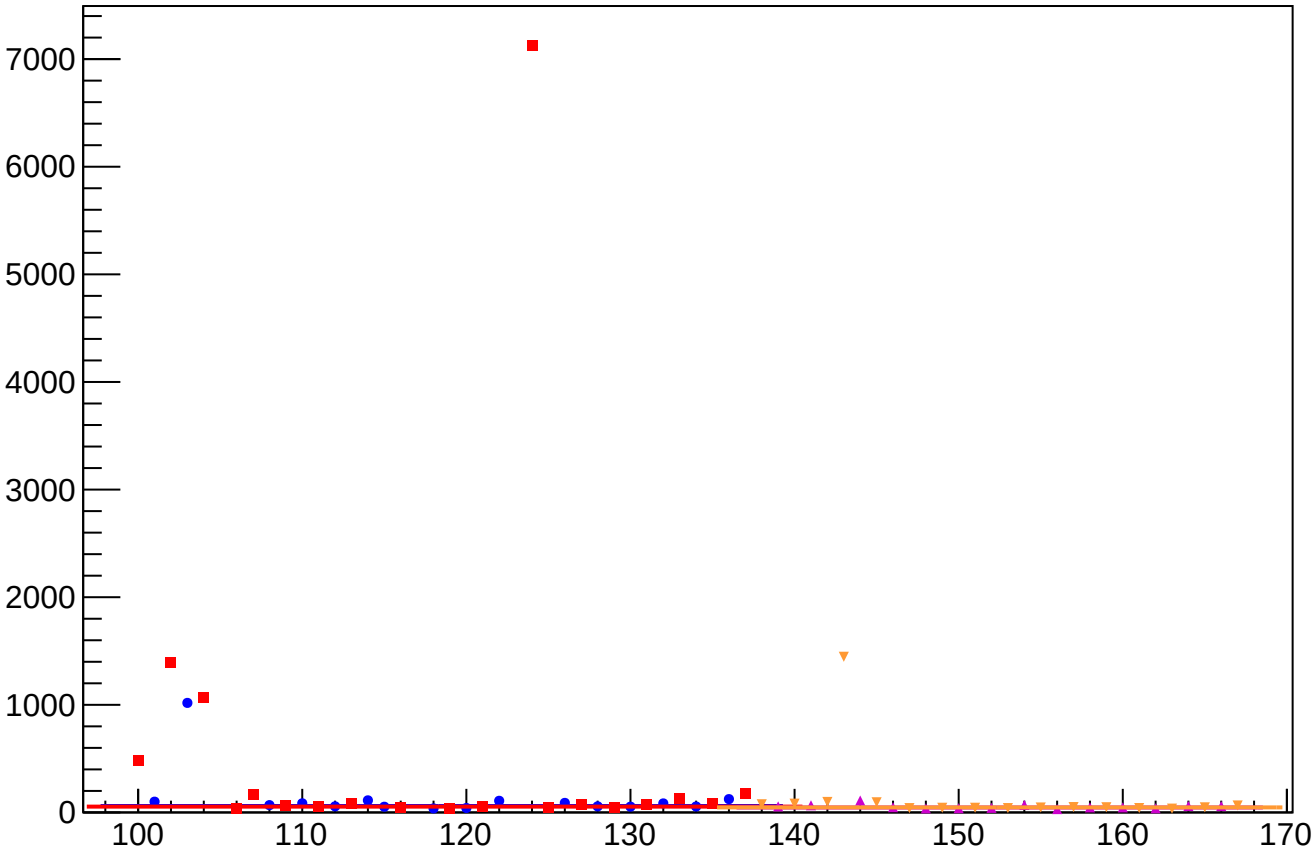
In: -0.000+/-0.000 χ^2/NDF:38.4/29

Out: 0.000+/-0.000 χ^2/NDF:29.8/34

All: -0.000+/-0.000 χ^2/NDF: 68.3/64


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1135012.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:735543.2/13
Left: 0.000+/-0.000 χ²/NDF: 1912579.5/29
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:2928147.9/29
Out: 0.000+/-0.000 χ²/NDF:3556456.0/34
All: 0.000+/-0.000 χ²/NDF: 6563892.8/64


asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
35
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.004+/-0.027 χ²/NDF: 11.4/15
Left Out: 0.016+/-0.015 χ²/NDF:24.3/15
Right Out: -0.013+/-0.026 χ²/NDF: 17.6/18
Left In: -0.001+/-0.015 χ²/NDF:12.8/13
Left: 0.007+/-0.011 χ²/NDF: 37.7/29
Right: -0.005+/-0.019 χ²/NDF: 29.2/34
In: 0.000+/-0.013 χ²/NDF:24.3/29
Out: 0.008+/-0.013 χ²/NDF:42.7/34
All: 0.004+/-0.009 χ²/NDF: 67.2/64



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.978+/-0.011 χ^2/NDF:2928819.1/15

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.984+/-0.011 χ^2/NDF:1471245.8/13

Left: 46.480+/-0.008 χ^2/NDF: 4404276.7/29

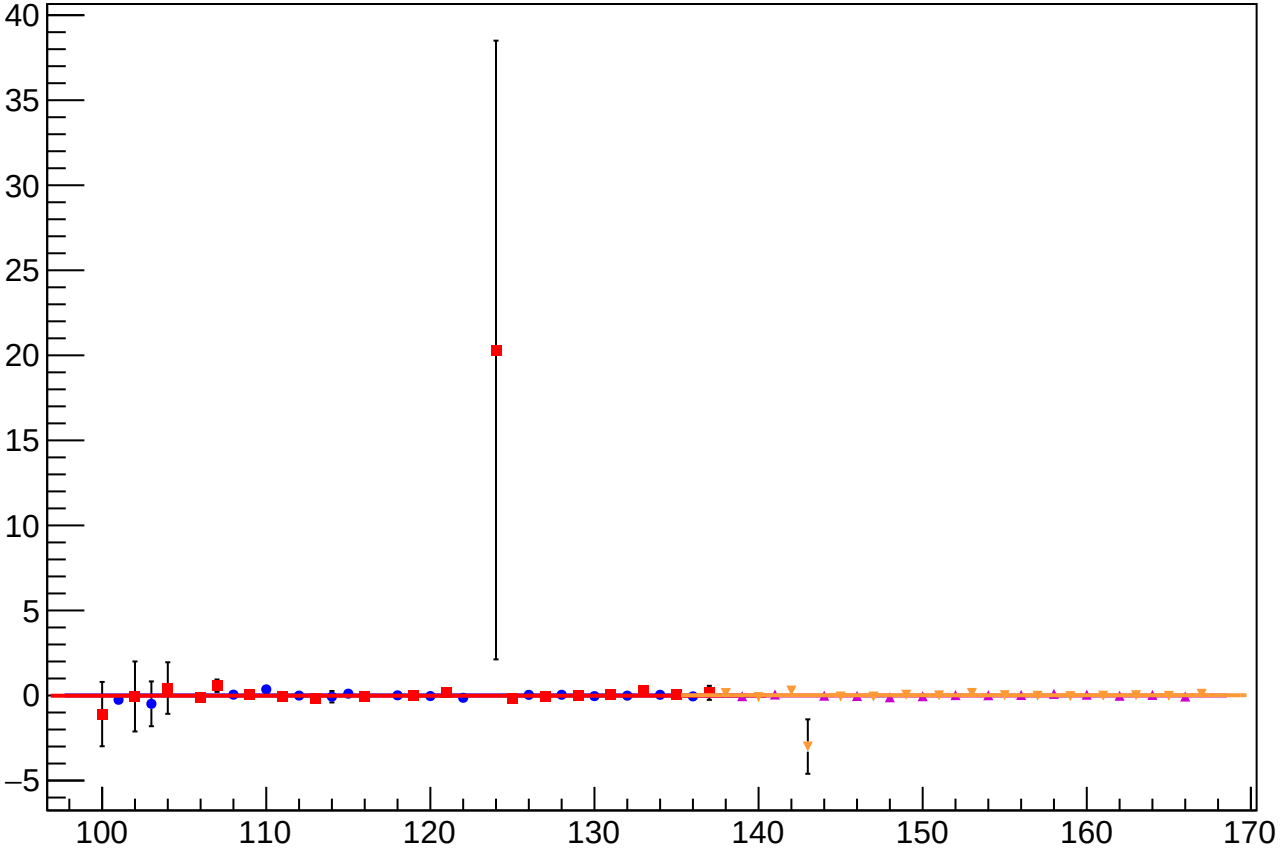
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.408+/-0.009 χ^2/NDF:4415062.9/29

Out: 48.874+/-0.009 χ^2/NDF:6567713.9/34

All: 49.139+/-0.007 χ^2/NDF: 10984406.9/64

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.001+/-0.015 χ^2/NDF:12.8/13

Left: 0.007+/-0.011 χ^2/NDF: 37.7/29

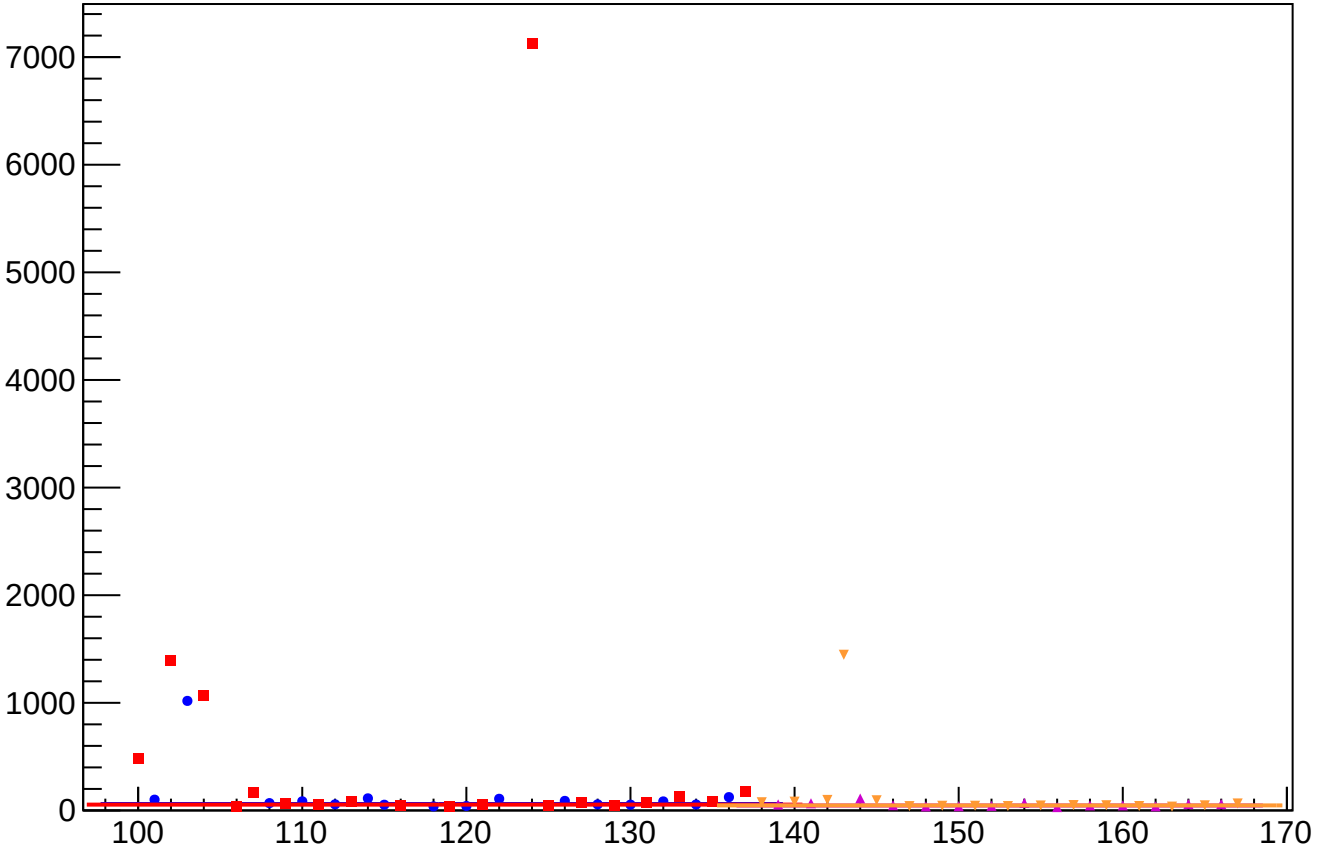
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.000+/-0.013 χ^2/NDF:24.3/29

Out: 0.008+/-0.013 χ^2/NDF:42.7/34

All: 0.004+/-0.009 χ^2/NDF: 67.2/64

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.978+/-0.011 χ^2/NDF:2928819.1/15

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.984+/-0.011 χ^2/NDF:1471245.8/13

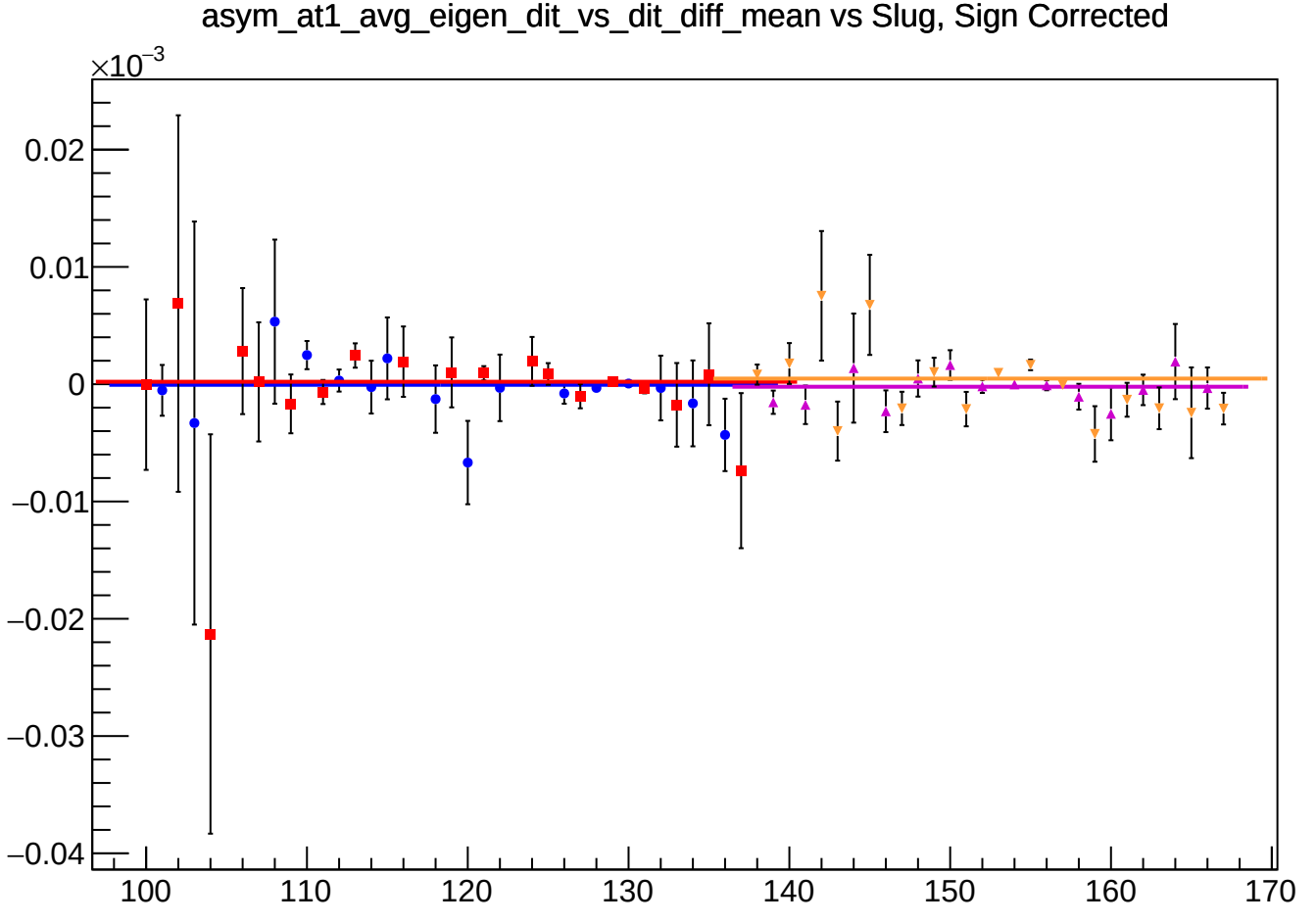
Left: 46.480+/-0.008 χ^2/NDF: 4404276.7/29

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.408+/-0.009 χ^2/NDF:4415062.9/29

Out: 48.874+/-0.009 χ^2/NDF:6567713.9/34

All: 49.139+/-0.007 χ^2/NDF: 10984406.9/64



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/13

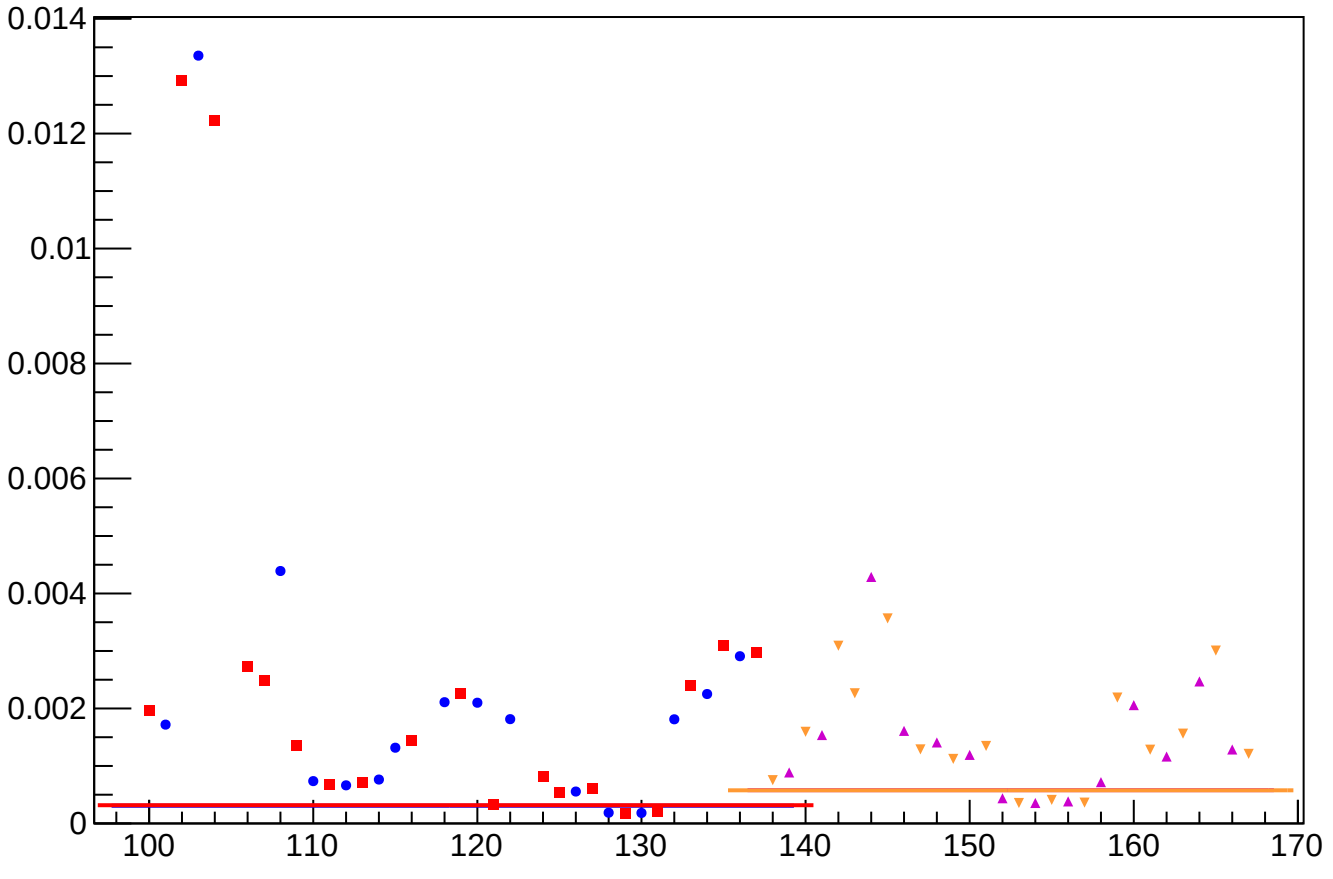
Left: 0.000+/-0.000 χ^2/NDF: 50.3/29

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:22.2/29

Out: 0.000+/-0.000 χ^2/NDF:52.6/34

All: 0.000+/-0.000 χ^2/NDF: 79.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:9252315.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:7419692.8/13

Left: 0.001+/-0.000 χ^2/NDF: 16672181.3/29

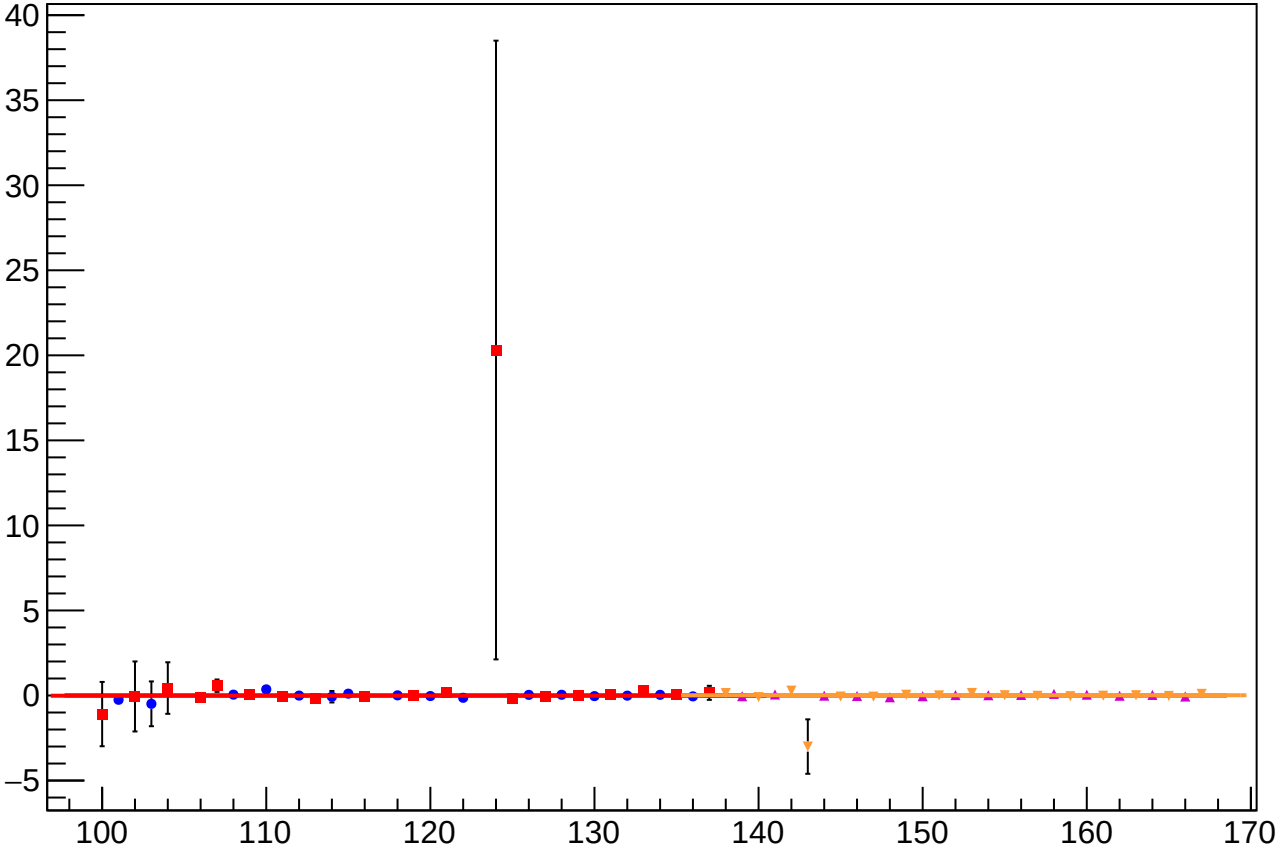
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:17874034.6/29

Out: 0.000+/-0.000 χ^2/NDF:18930125.7/34

All: 0.000+/-0.000 χ^2/NDF: 36809706.7/64

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.001+/-0.015 χ^2/NDF:12.8/13

Left: 0.007+/-0.011 χ^2/NDF: 37.7/29

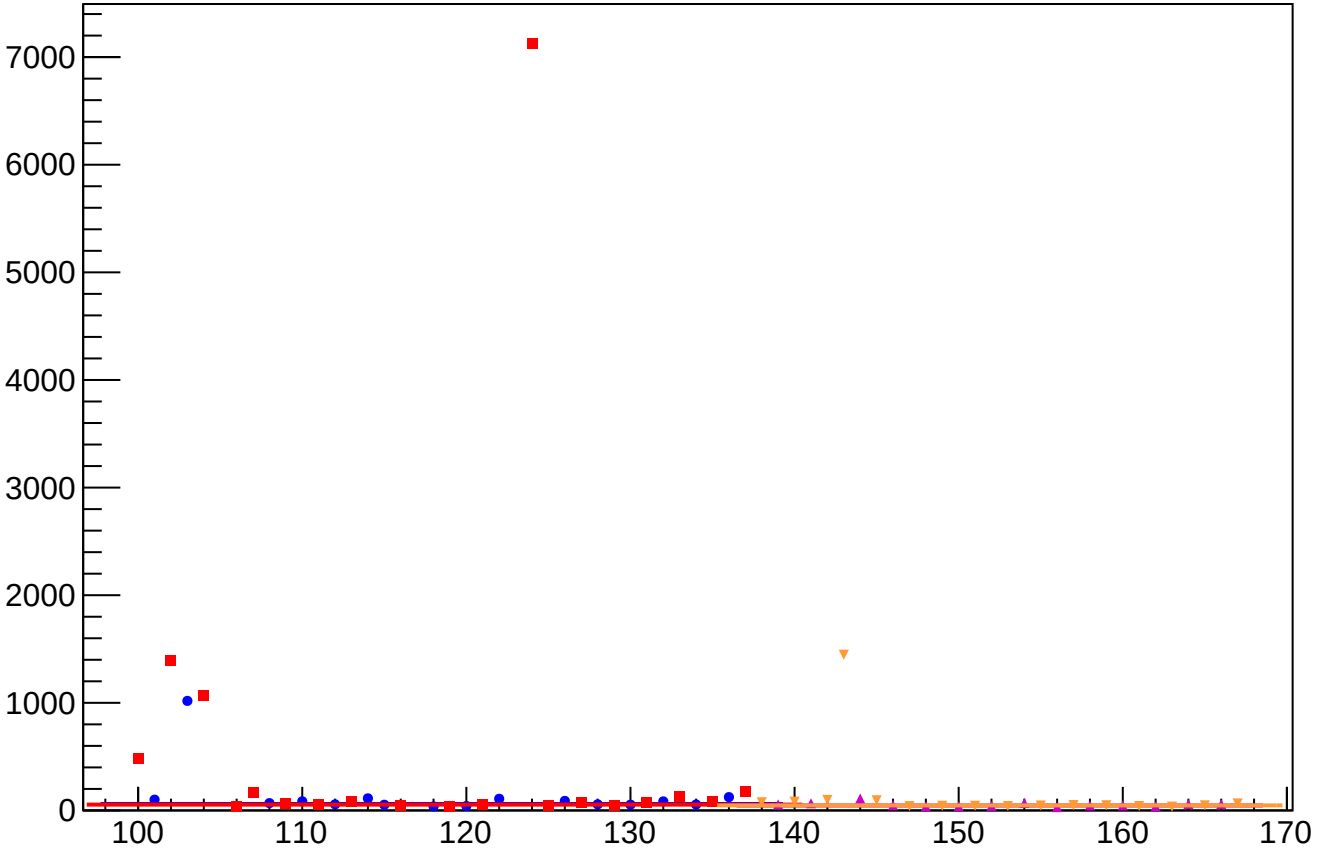
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.000+/-0.013 χ^2/NDF:24.3/29

Out: 0.008+/-0.013 χ^2/NDF:42.7/34

All: 0.004+/-0.009 χ^2/NDF: 67.2/64

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.978+/-0.011 χ^2/NDF:2928806.1/15

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.984+/-0.011 χ^2/NDF:1471249.8/13

Left: 46.480+/-0.008 χ^2/NDF: 4404269.7/29

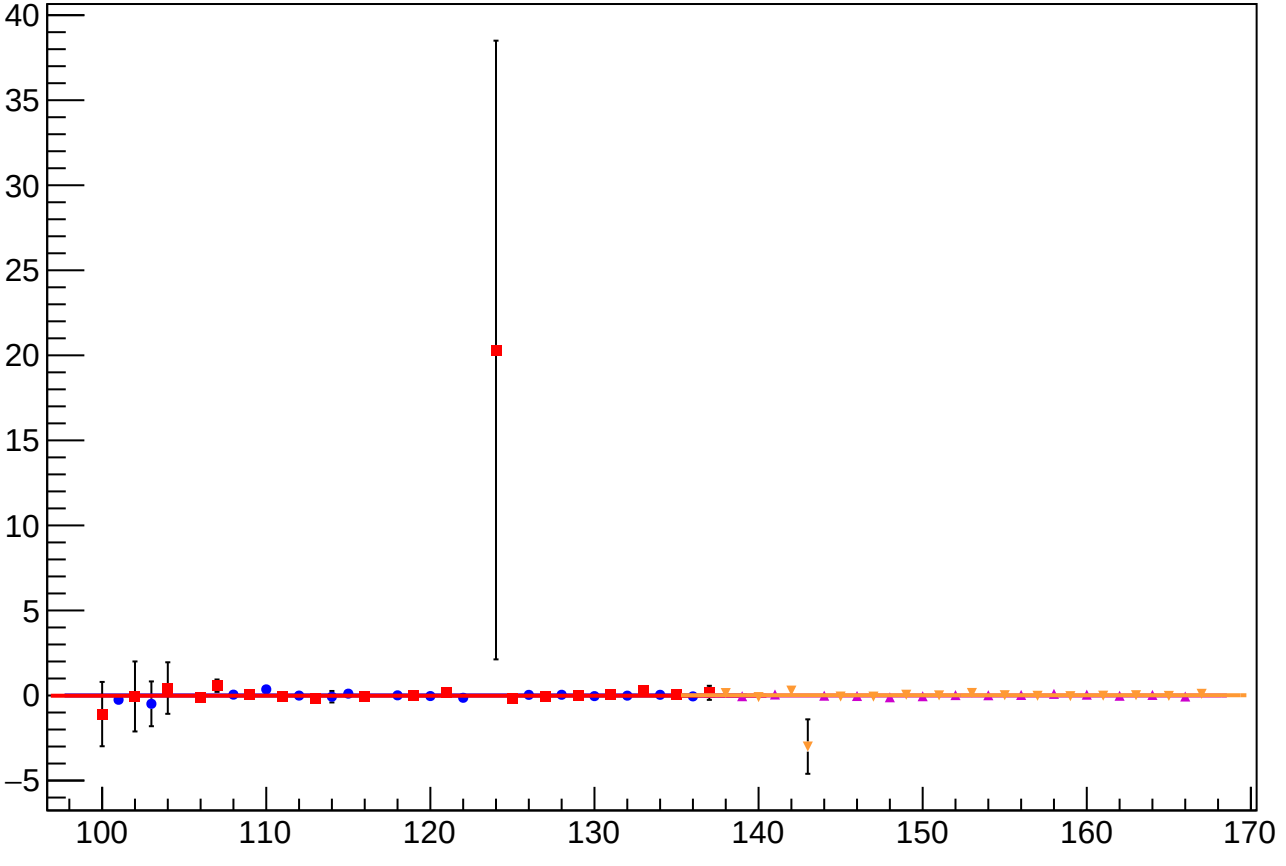
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.408+/-0.009 χ^2/NDF:4415072.4/29

Out: 48.874+/-0.009 χ^2/NDF:6567722.2/34

All: 49.139+/-0.007 χ^2/NDF: 10984424.8/64

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.001+/-0.015 χ^2/NDF:12.8/13

Left: 0.007+/-0.011 χ^2/NDF: 37.7/29

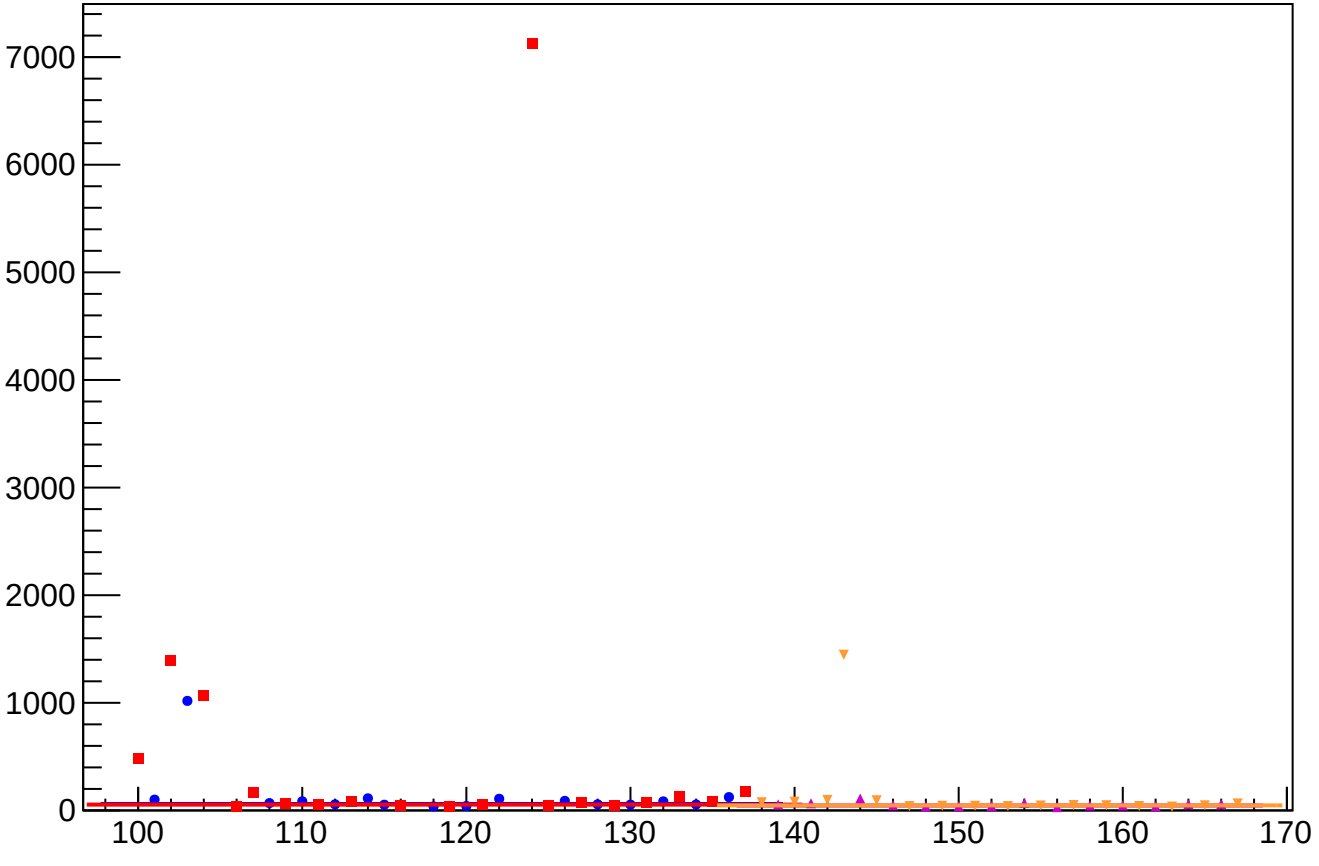
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.000+/-0.013 χ^2/NDF:24.3/29

Out: 0.008+/-0.013 χ^2/NDF:42.7/34

All: 0.004+/-0.009 χ^2/NDF: 67.2/64

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.978+/-0.011 χ^2/NDF:2928806.1/15

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.984+/-0.011 χ^2/NDF:1471249.8/13

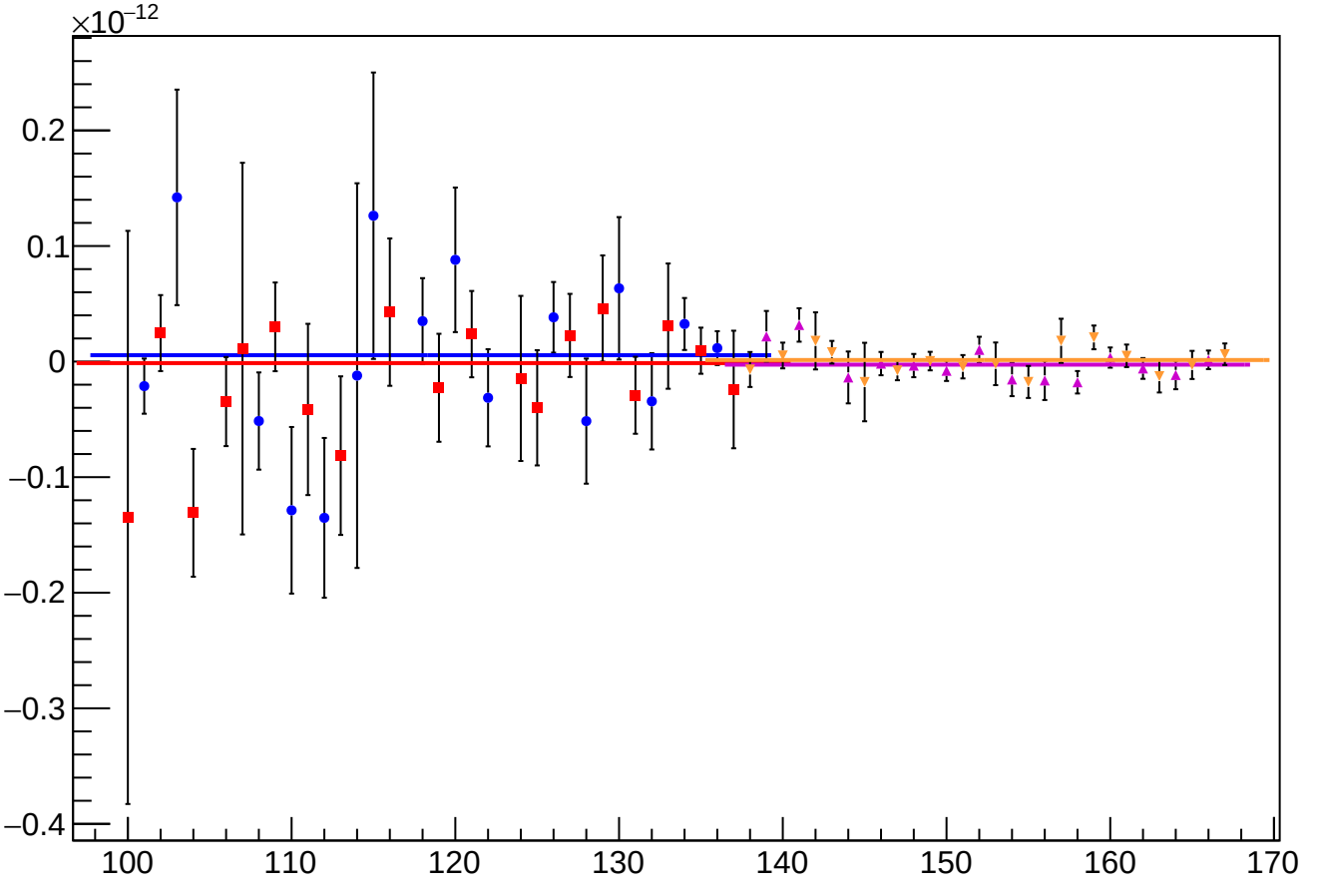
Left: 46.480+/-0.008 χ^2/NDF: 4404269.7/29

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.408+/-0.009 χ^2/NDF:4415072.4/29

Out: 48.874+/-0.009 χ^2/NDF:6567722.2/34

All: 49.139+/-0.007 χ^2/NDF: 10984424.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/13

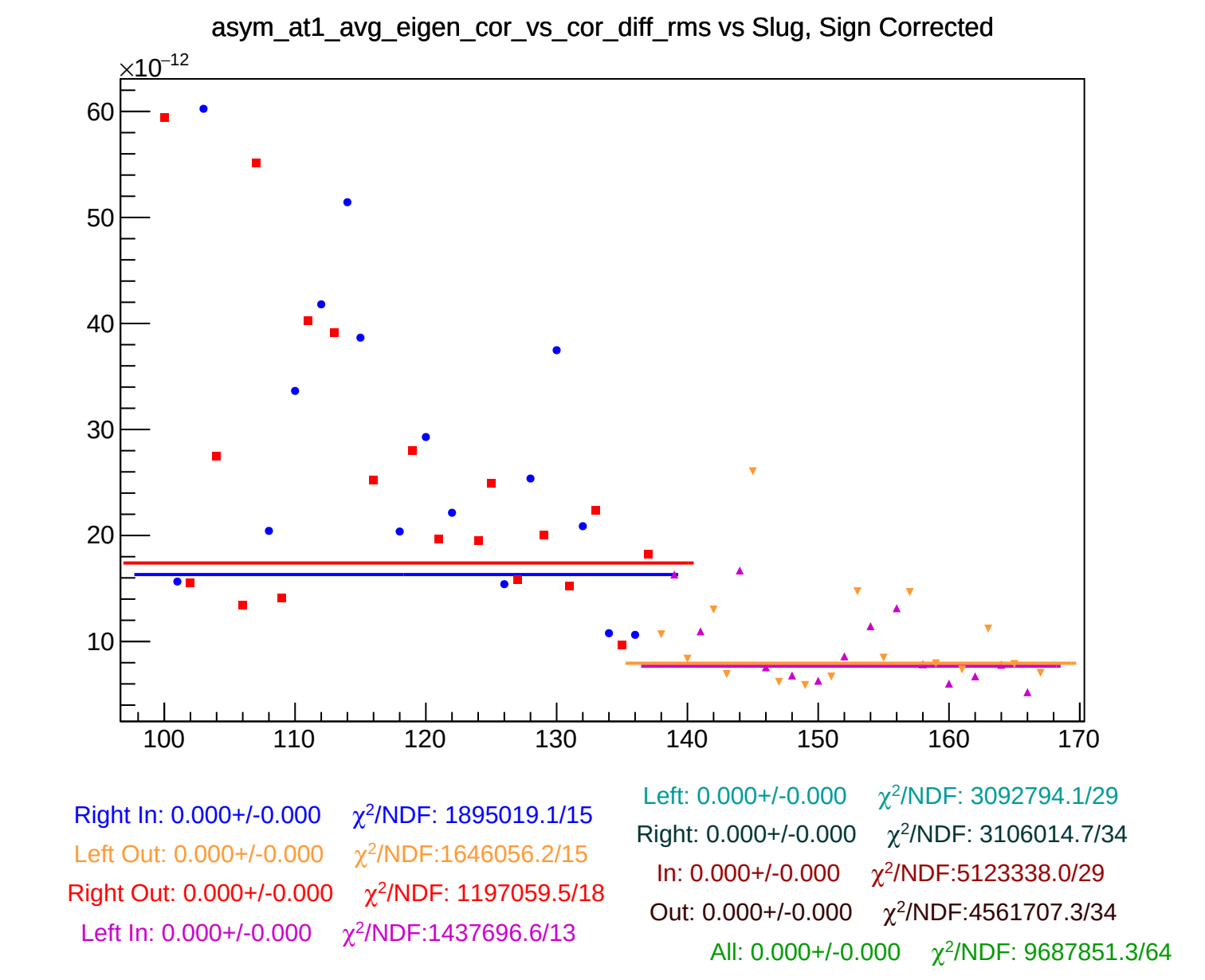
Left: -0.000+/-0.000 χ^2/NDF: 25.9/29

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

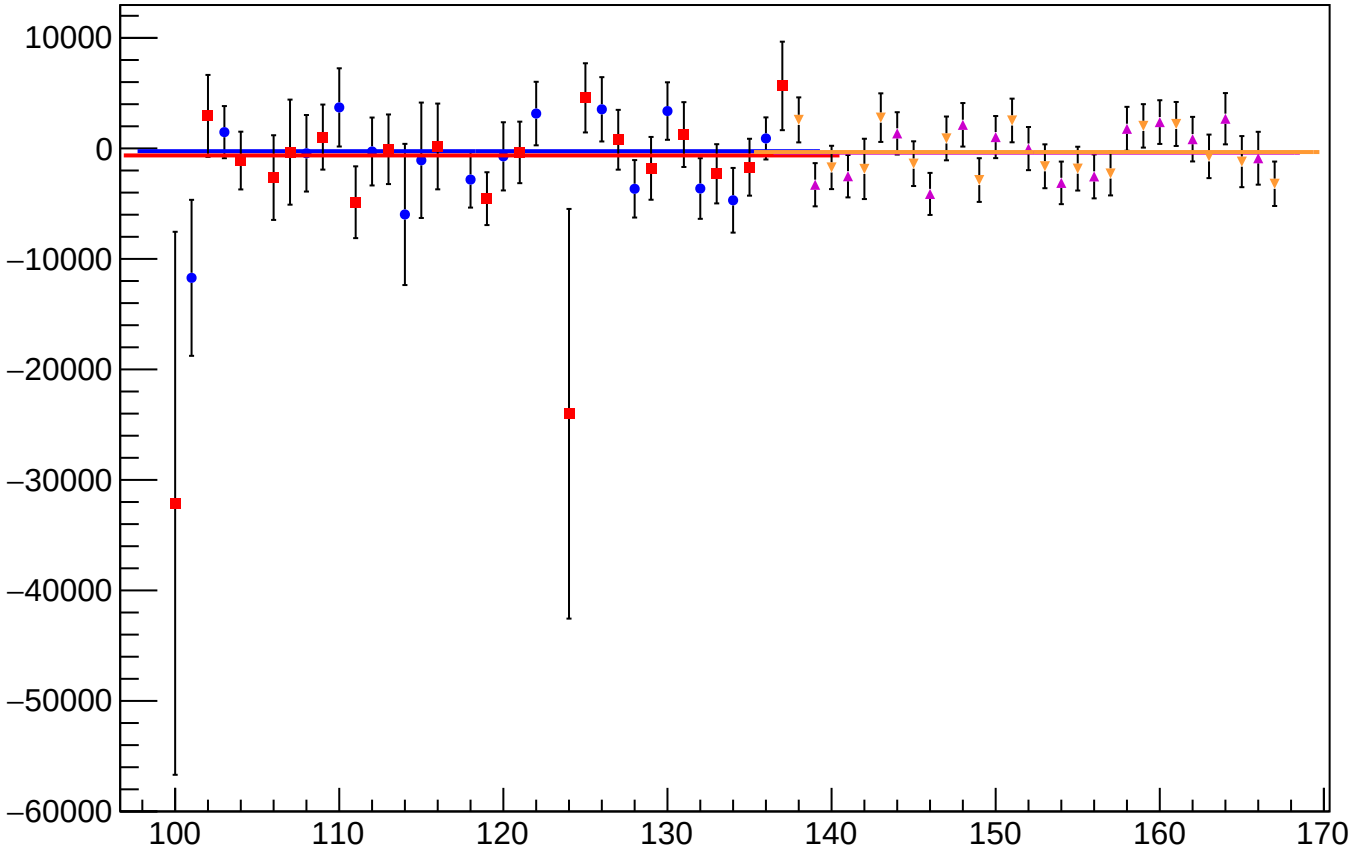
In: -0.000+/-0.000 χ^2/NDF:37.5/29

Out: 0.000+/-0.000 χ^2/NDF:25.3/34

All: -0.000+/-0.000 χ^2/NDF: 63.3/64


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1646056.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1437696.6/13
Left: 0.000+/-0.000 χ²/NDF: 3092794.1/29
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:5123338.0/29
Out: 0.000+/-0.000 χ²/NDF:4561707.3/34
All: 0.000+/-0.000 χ²/NDF: 9687851.3/64

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -329.948+/-511.742 χ^2/NDF:16.5/15

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -385.583+/-533.326 χ^2/NDF:18.8/13

Left: -356.617+/-369.251 χ^2/NDF: 35.3/29

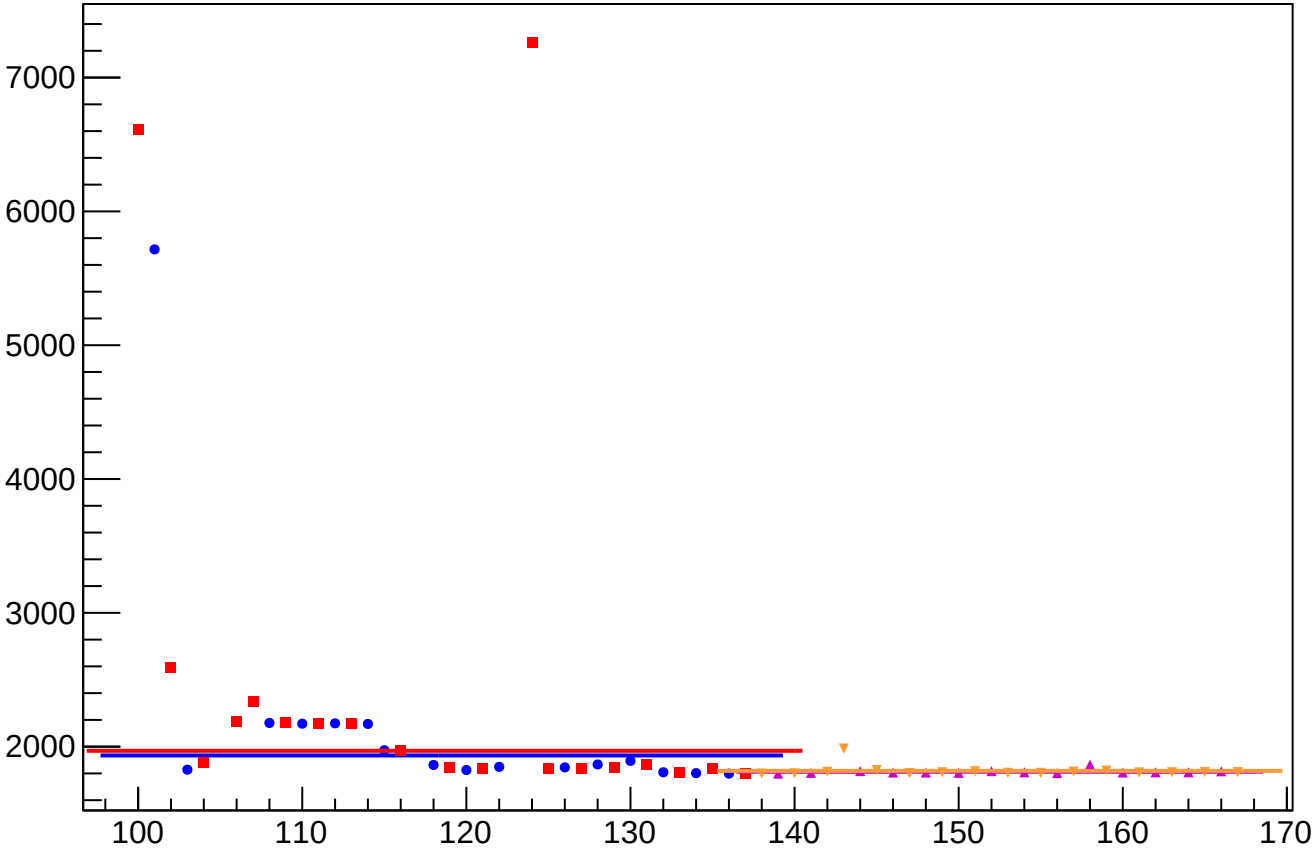
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -339.275+/-431.683 χ^2/NDF:36.1/29

Out: -429.811+/-420.064 χ^2/NDF:32.5/34

All: -385.778+/-301.054 χ^2/NDF: 68.7/64

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1818.941+/-0.362 χ^2/NDF:12548.8/15

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1812.319+/-0.377 χ^2/NDF:1736.9/13

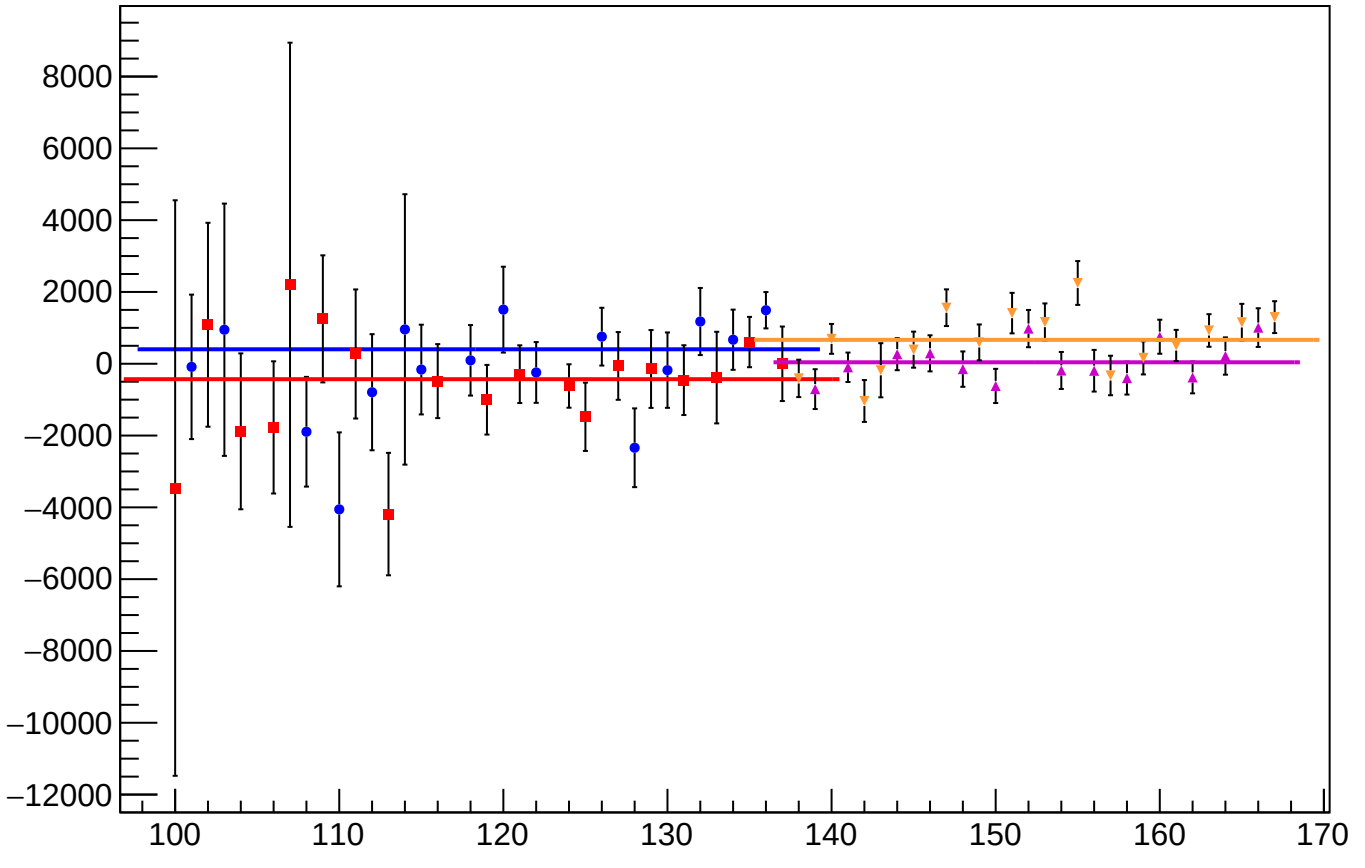
Left: 1815.767+/-0.261 χ^2/NDF: 14446.2/29

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1854.355+/-0.305 χ^2/NDF:677686.4/29

Out: 1867.958+/-0.297 χ^2/NDF:447177.9/34

All: 1861.342+/-0.213 χ^2/NDF: 1125884.4/64



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 665.882+/-126.535 χ^2/NDF:34.6/15

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: 40.960+/-130.648 χ^2/NDF:15.5/13

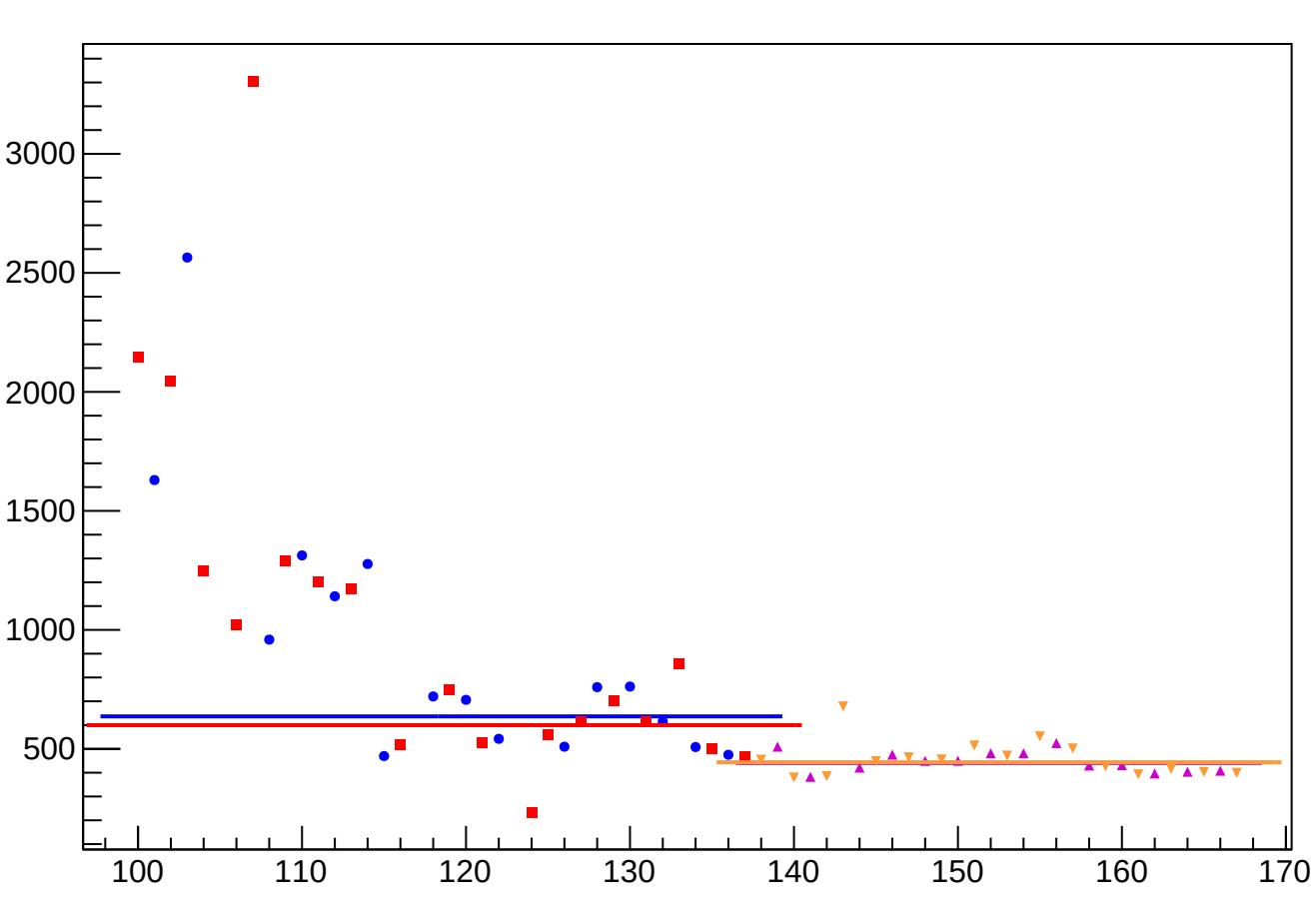
Left: 363.414+/-90.893 χ^2/NDF: 62.0/29

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 114.513+/-116.609 χ^2/NDF:38.2/29

Out: 446.351+/-113.154 χ^2/NDF:61.4/34

All: 285.420+/-81.206 χ^2/NDF: 103.8/64



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 443.786+/-0.089 χ^2/NDF:459164.3/15

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 440.707+/-0.092 χ^2/NDF:191110.9/13

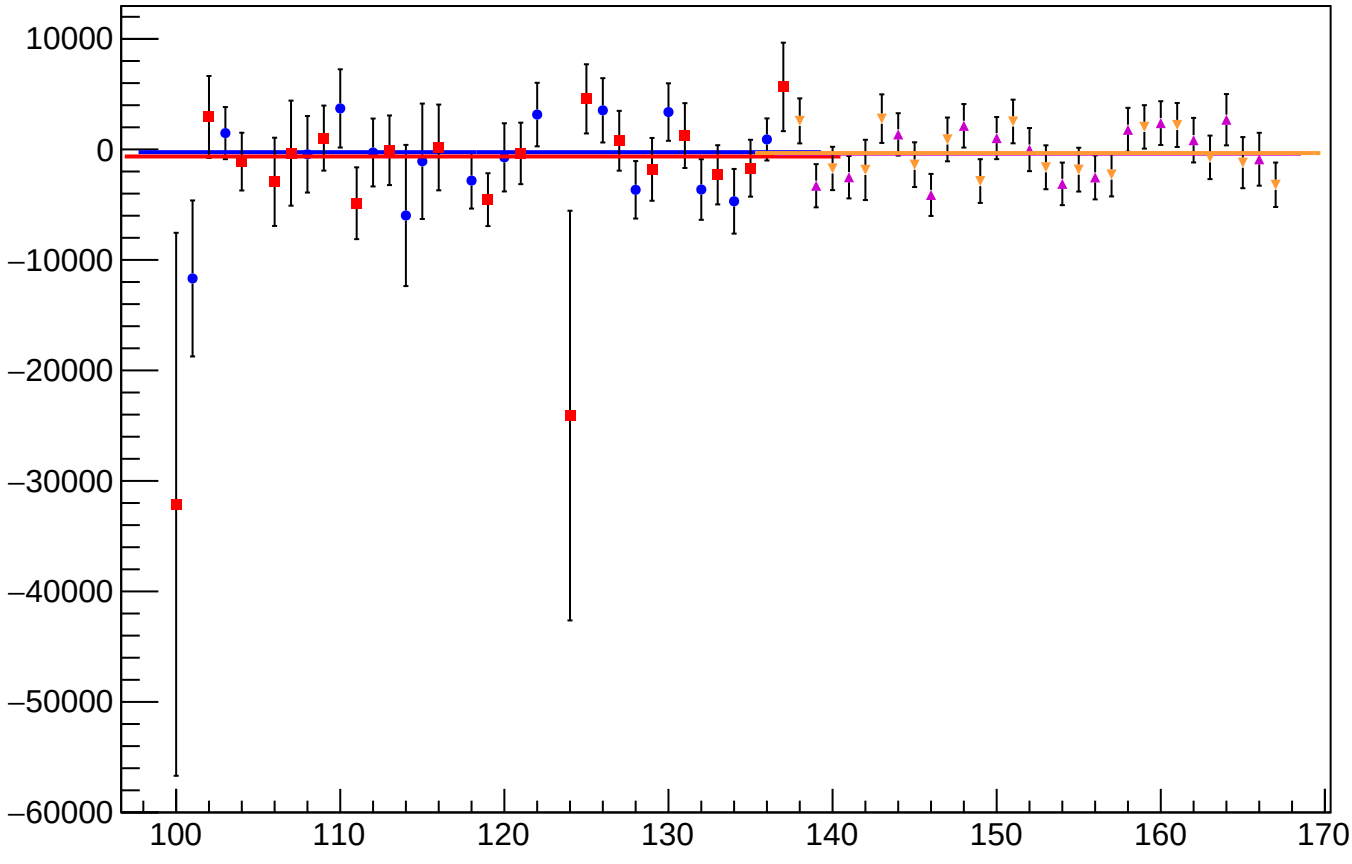
Left: 442.296+/-0.064 χ^2/NDF: 650848.3/29

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 480.567+/-0.082 χ^2/NDF:3173371.4/29

Out: 475.004+/-0.080 χ^2/NDF:4010984.9/34

All: 477.701+/-0.057 χ^2/NDF: 7186700.7/64



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -329.990+/-511.742 χ^2/NDF:16.5/15

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -385.553+/-533.326 χ^2/NDF:18.8/13

Left: -356.625+/-369.251 χ^2/NDF: 35.3/29

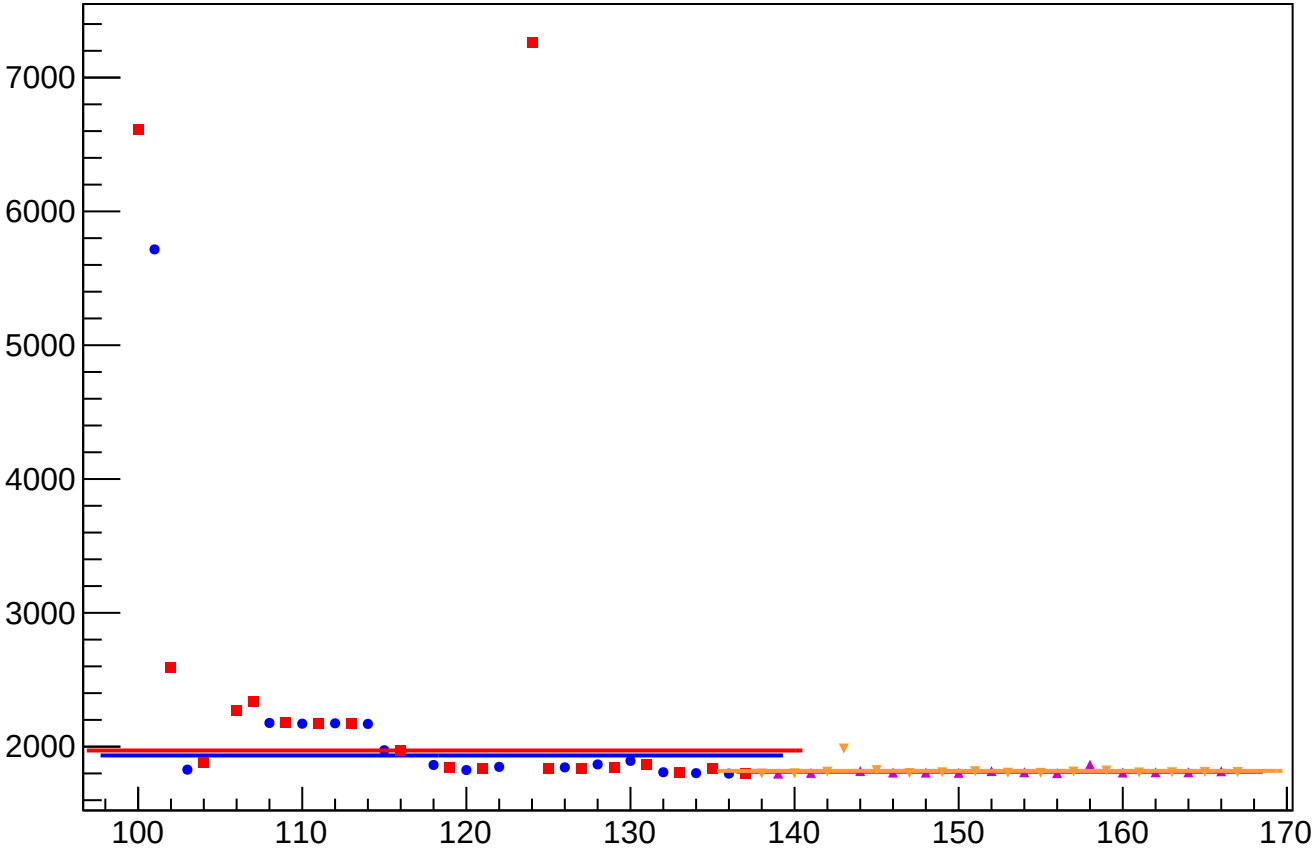
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -338.977+/-431.683 χ^2/NDF:36.1/29

Out: -431.200+/-420.263 χ^2/NDF:32.6/34

All: -386.324+/-301.127 χ^2/NDF: 68.7/64

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1818.941+/-0.362 χ^2/NDF:12548.8/15

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.319+/-0.377 χ^2/NDF:1736.9/13

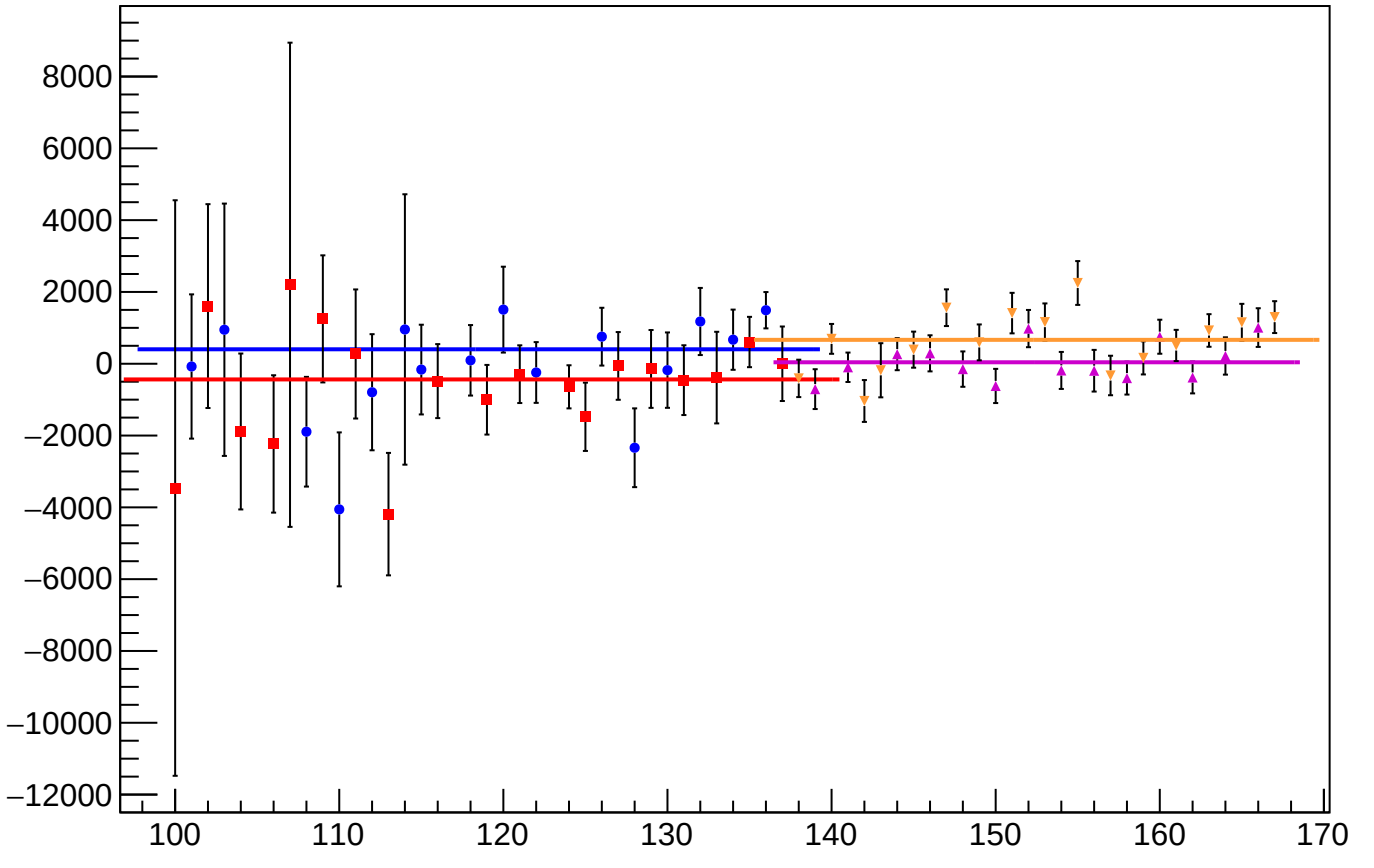
Left: 1815.767+/-0.261 χ^2/NDF: 14446.2/29

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1854.355+/-0.305 χ^2/NDF:677686.3/29

Out: 1868.563+/-0.297 χ^2/NDF:453485.5/34

All: 1861.649+/-0.213 χ^2/NDF: 1132284.0/64



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 665.844+/-126.535 χ^2/NDF:34.6/15

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 40.995+/-130.647 χ^2/NDF:15.6/13

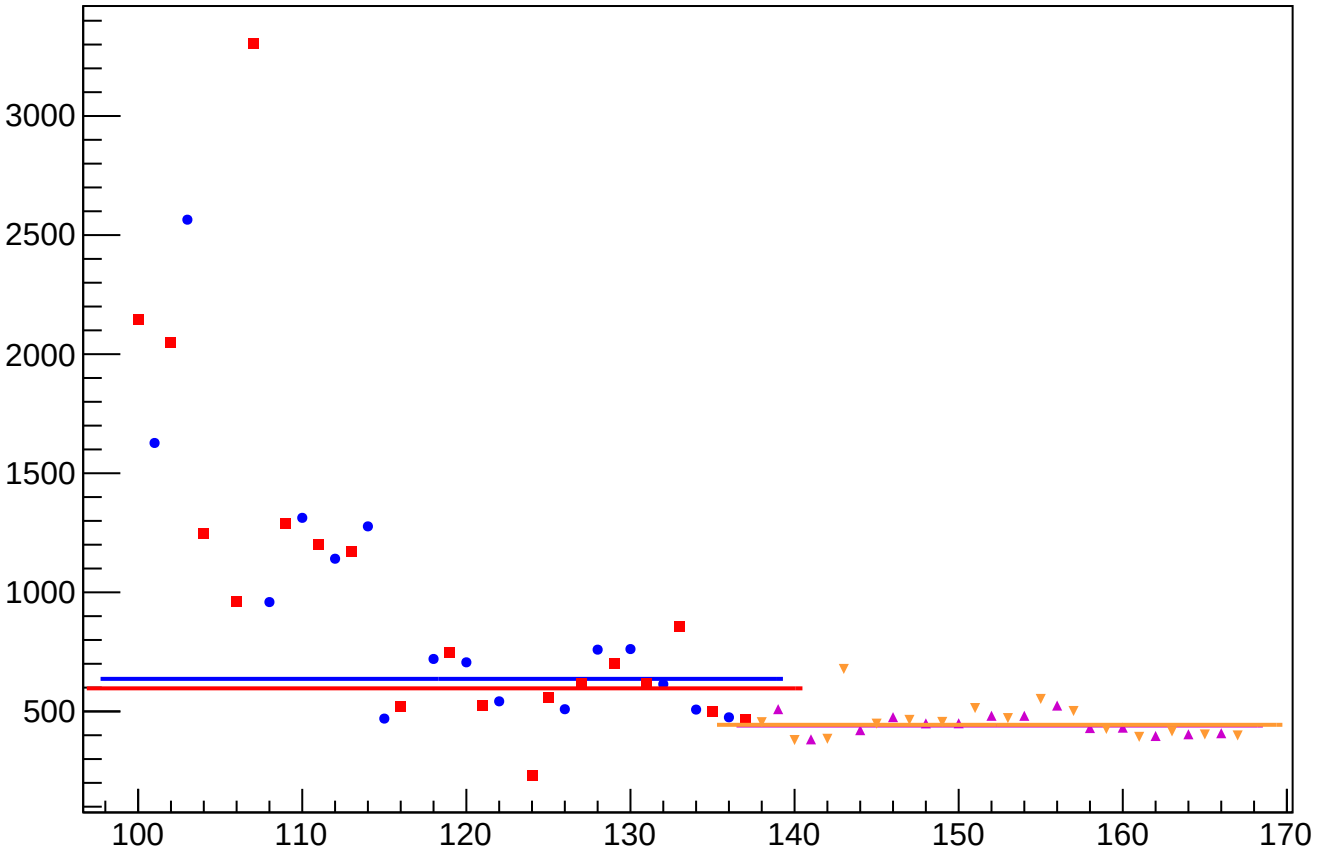
Left: 363.408+/-90.893 χ^2/NDF: 62.0/29

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 114.560+/-116.607 χ^2/NDF:38.3/29

Out: 444.781+/-113.141 χ^2/NDF:62.2/34

All: 284.652+/-81.201 χ^2/NDF: 104.6/64



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 443.788+/-0.089 χ^2/NDF:459116.9/15

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 440.704+/-0.092 χ^2/NDF:191102.0/13

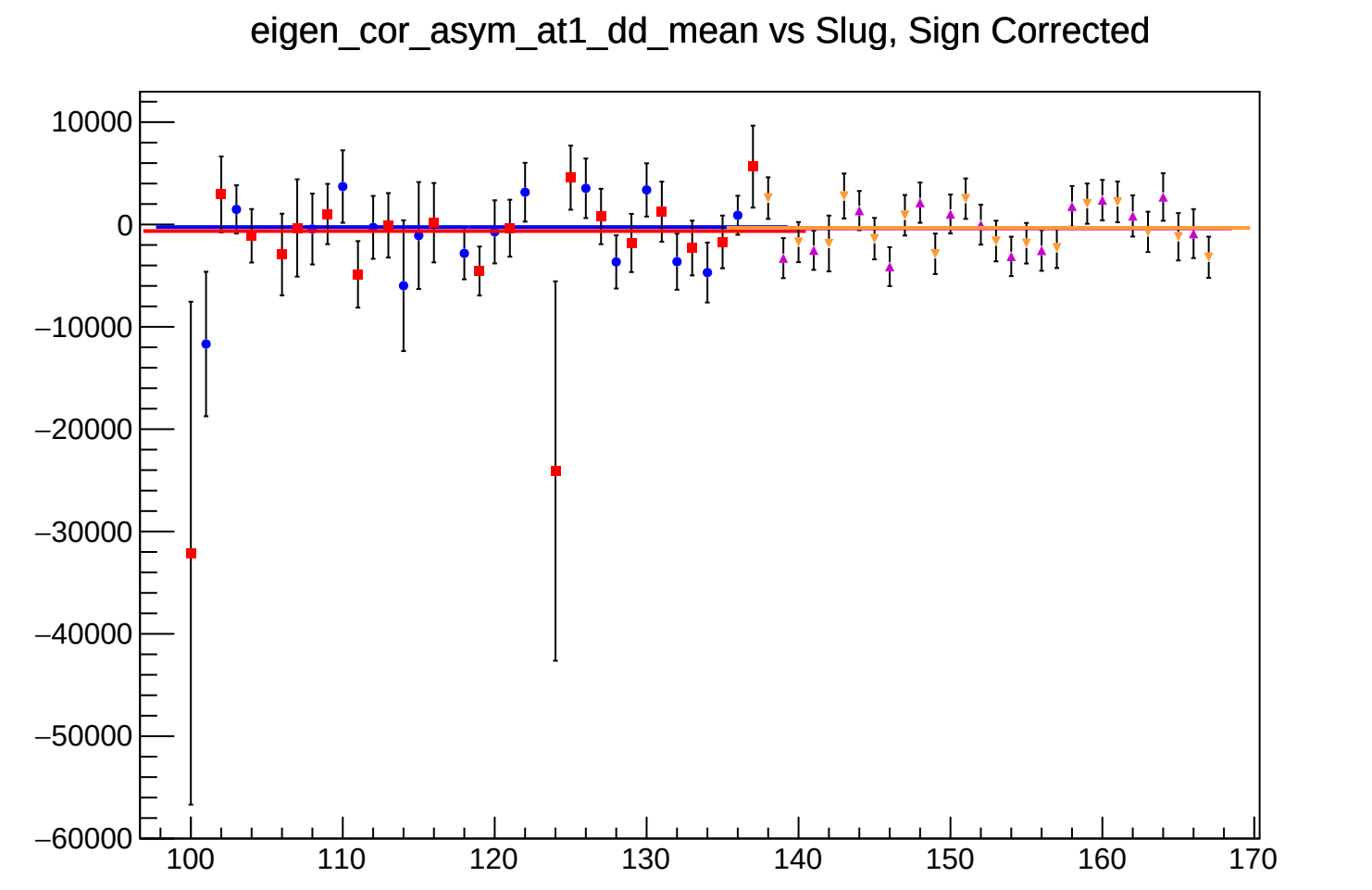
Left: 442.295+/-0.064 χ^2/NDF: 650793.9/29

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 480.566+/-0.082 χ^2/NDF:3172562.6/29

Out: 474.480+/-0.080 χ^2/NDF:3976417.1/34

All: 477.431+/-0.057 χ^2/NDF: 7151786.1/64



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -329.990+/-511.742 χ^2/NDF:16.5/15

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -385.553+/-533.326 χ^2/NDF:18.8/13

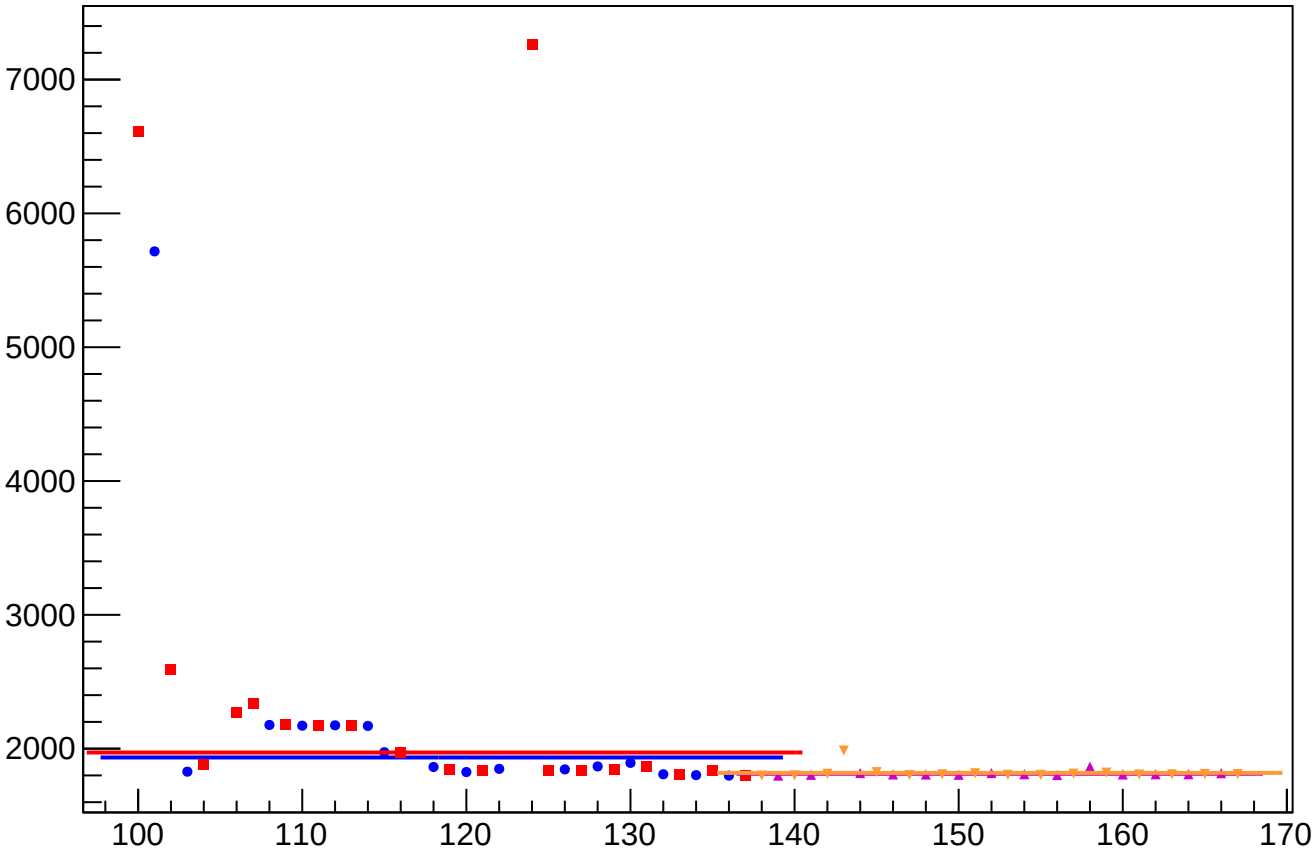
Left: -356.625+/-369.251 χ^2/NDF: 35.3/29

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -338.977+/-431.683 χ^2/NDF:36.1/29

Out: -431.200+/-420.263 χ^2/NDF:32.6/34

All: -386.324+/-301.127 χ^2/NDF: 68.7/64



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1818.941+/-0.362 χ^2/NDF:12548.8/15

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.319+/-0.377 χ^2/NDF:1736.9/13

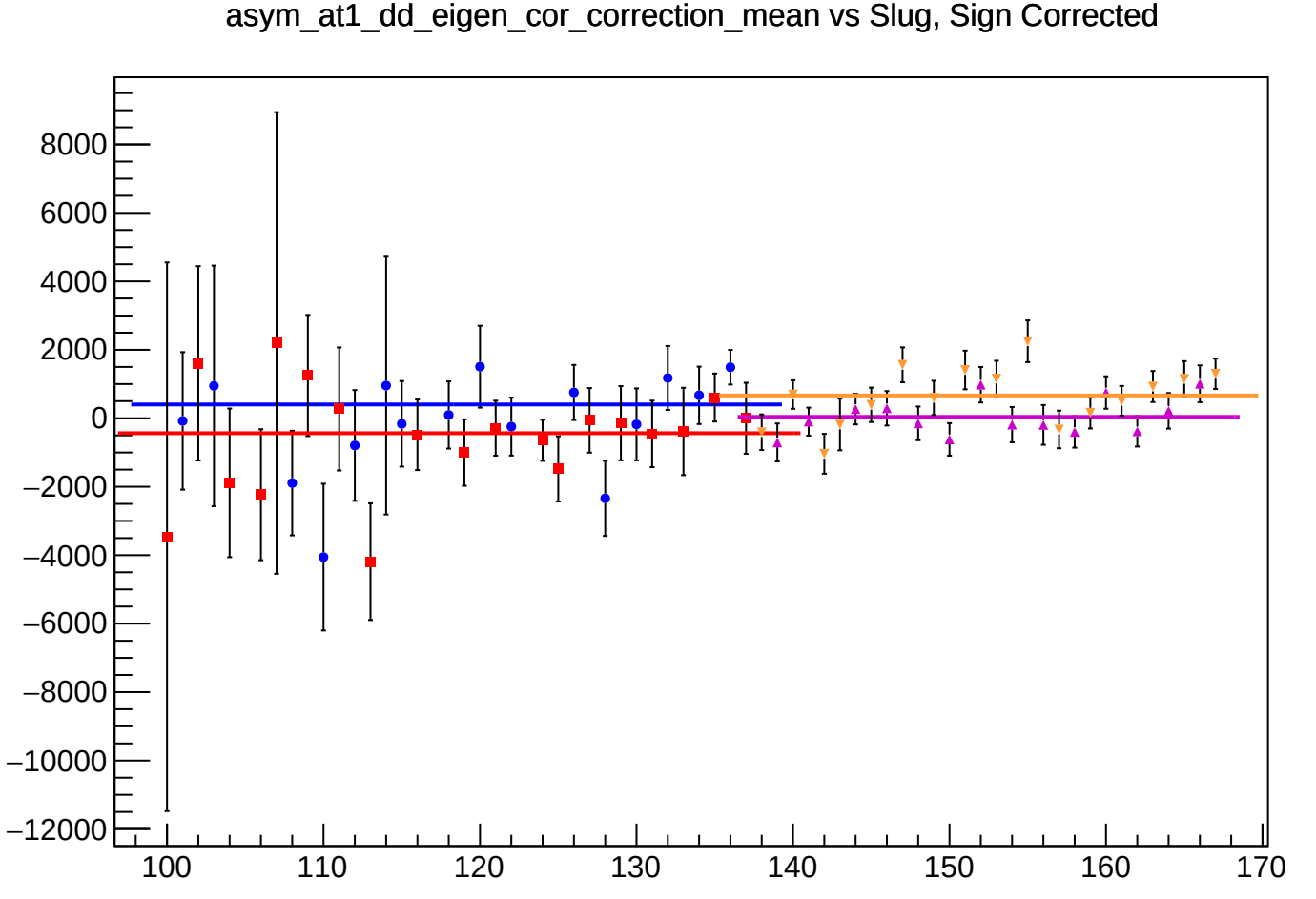
Left: 1815.767+/-0.261 χ^2/NDF: 14446.2/29

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1854.355+/-0.305 χ^2/NDF:677686.3/29

Out: 1868.563+/-0.297 χ^2/NDF:453485.5/34

All: 1861.649+/-0.213 χ^2/NDF: 1132284.0/64



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 665.844+/-126.535 χ^2/NDF:34.6/15

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 40.995+/-130.647 χ^2/NDF:15.6/13

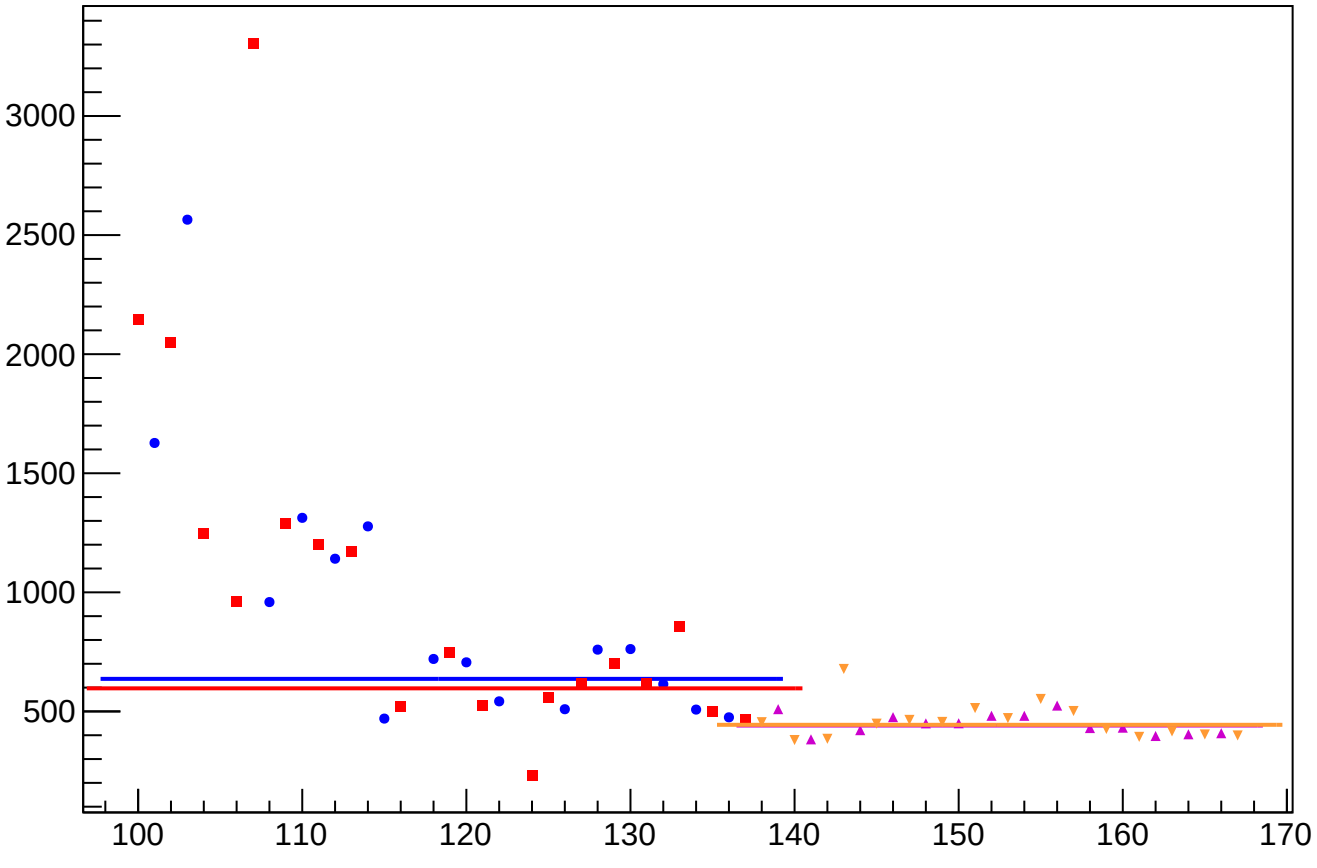
Left: 363.408+/-90.893 χ^2/NDF: 62.0/29

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 114.560+/-116.607 χ^2/NDF:38.3/29

Out: 444.781+/-113.141 χ^2/NDF:62.2/34

All: 284.652+/-81.201 χ^2/NDF: 104.6/64



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 443.788+/-0.089 χ^2/NDF:459116.9/15

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 440.704+/-0.092 χ^2/NDF:191102.0/13

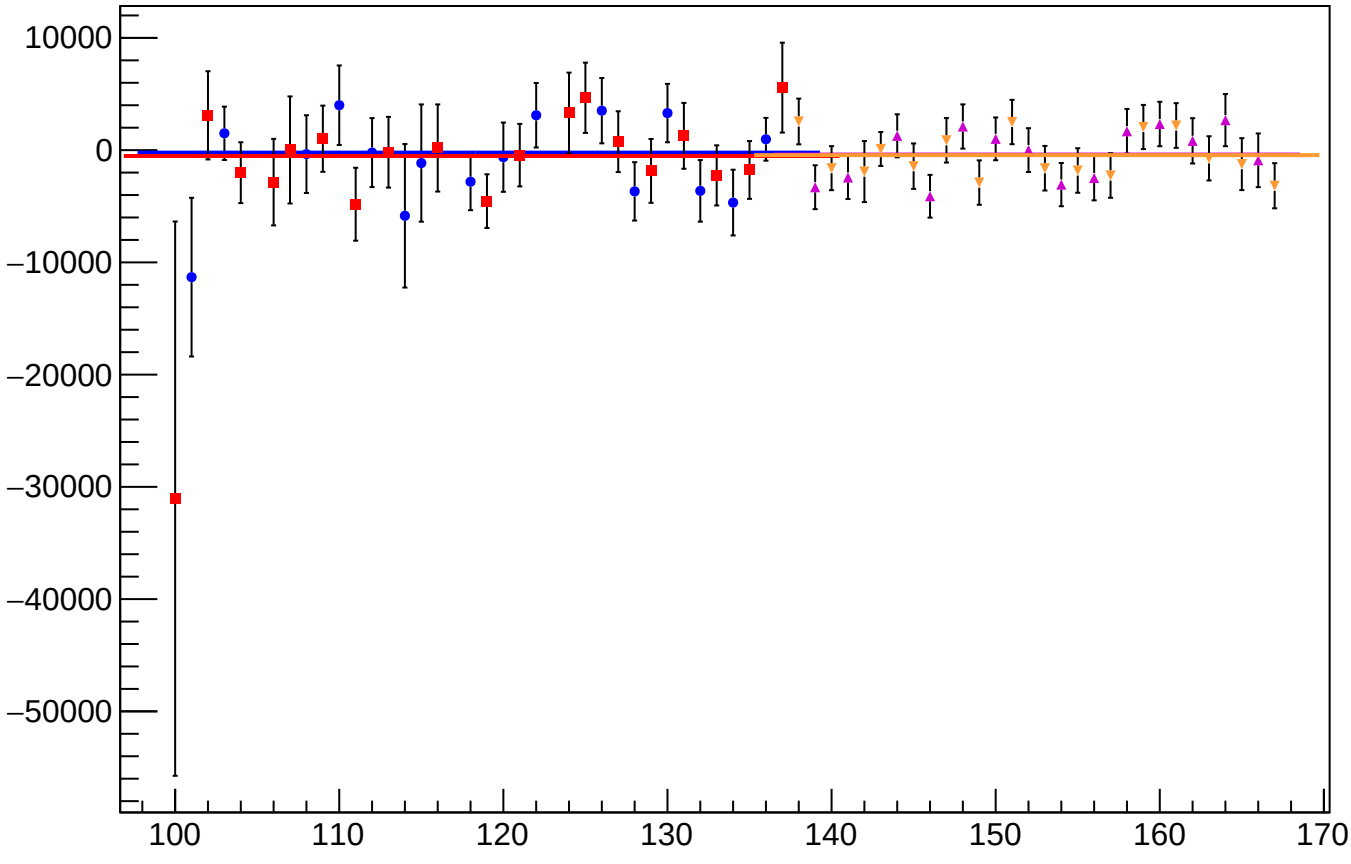
Left: 442.295+/-0.064 χ^2/NDF: 650793.9/29

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 480.566+/-0.082 χ^2/NDF:3172562.6/29

Out: 474.480+/-0.080 χ^2/NDF:3976417.1/34

All: 477.431+/-0.057 χ^2/NDF: 7151786.1/64



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -444.360+/-496.961 χ^2/NDF:14.4/15

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -393.289+/-533.509 χ^2/NDF:18.3/13

Left: -420.634+/-363.639 χ^2/NDF: 32.7/29

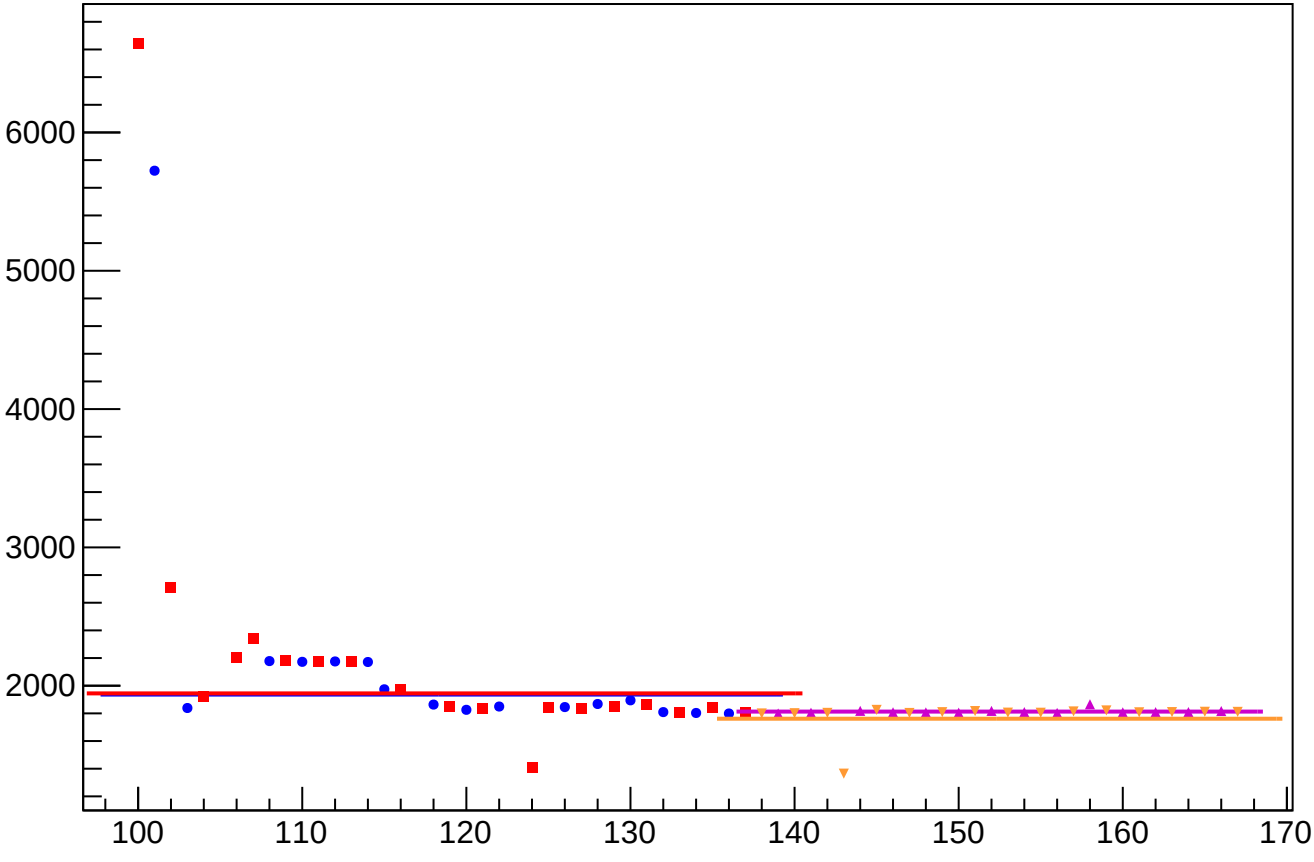
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -333.723+/-431.937 χ^2/NDF:35.4/29

Out: -468.625+/-409.902 χ^2/NDF:30.0/34

All: -404.702+/-297.330 χ^2/NDF: 65.5/64

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1761.360+/-0.351 χ^2/NDF:155524.1/15

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1812.942+/-0.377 χ^2/NDF:1731.1/13

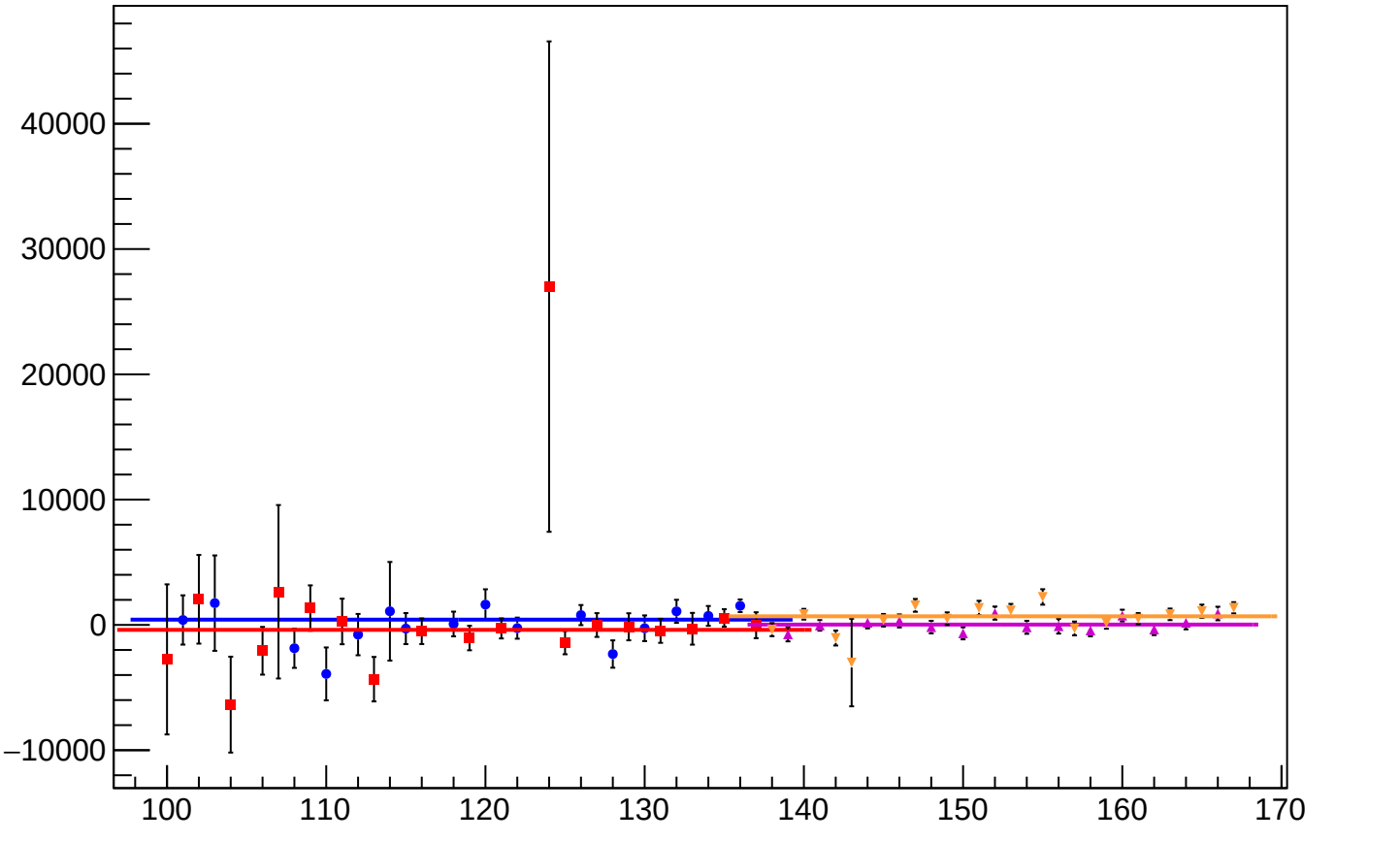
Left: 1785.324+/-0.257 χ^2/NDF: 167265.7/29

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1855.330+/-0.305 χ^2/NDF:678182.8/29

Out: 1819.904+/-0.290 χ^2/NDF:518571.6/34

All: 1836.690+/-0.210 χ^2/NDF: 1203833.1/64



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 687.149+/-130.129 χ^2/NDF:33.1/15

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: 27.281+/-132.594 χ^2/NDF:14.7/13

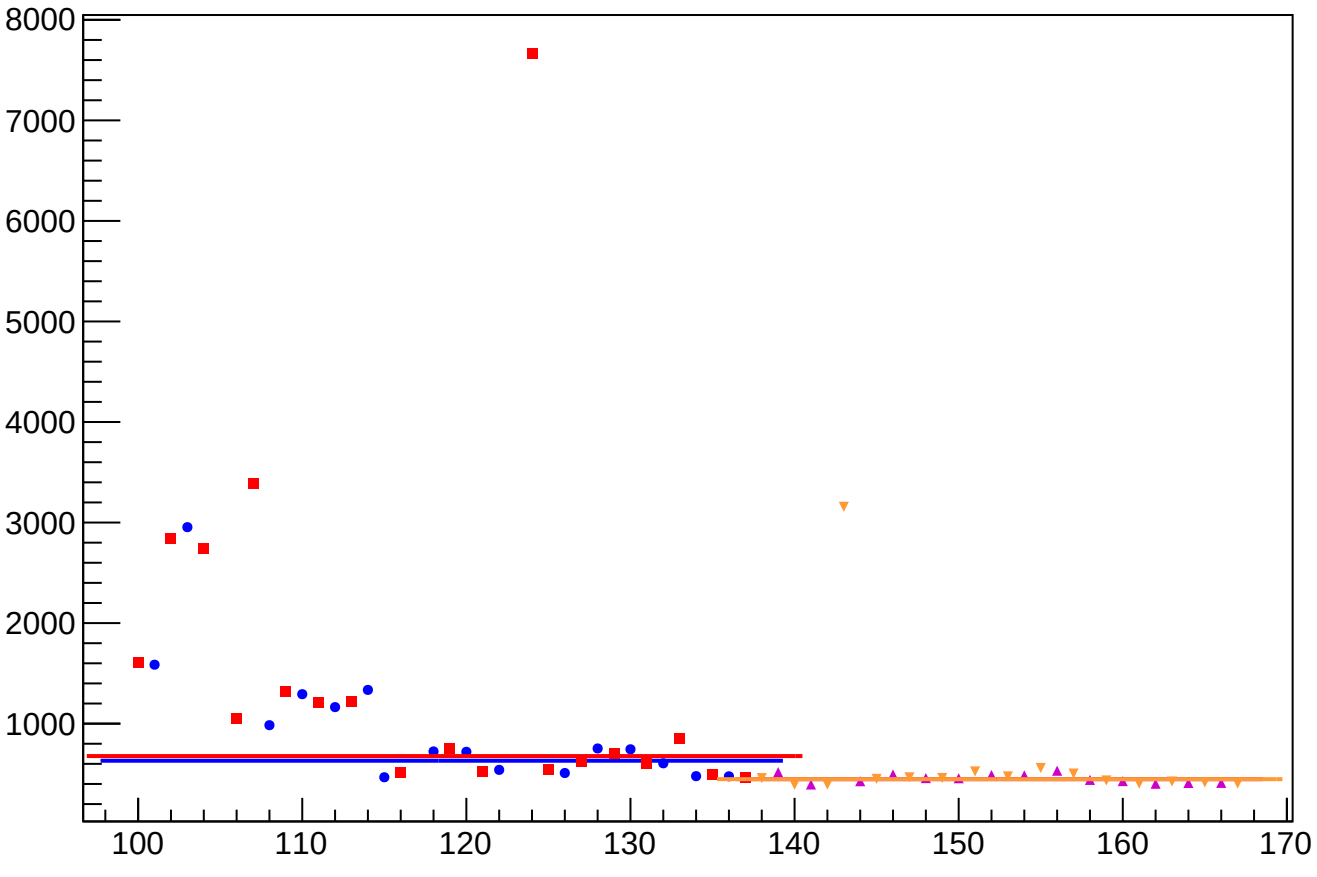
Left: 363.404+/-92.874 χ^2/NDF: 60.4/29

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 110.209+/-117.811 χ^2/NDF:38.0/29

Out: 494.688+/-117.975 χ^2/NDF:61.3/34

All: 302.181+/-83.363 χ^2/NDF: 104.6/64



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 447.806+/-0.092 χ^2/NDF:1436510.7/15

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 447.698+/-0.094 χ^2/NDF:191299.7/13

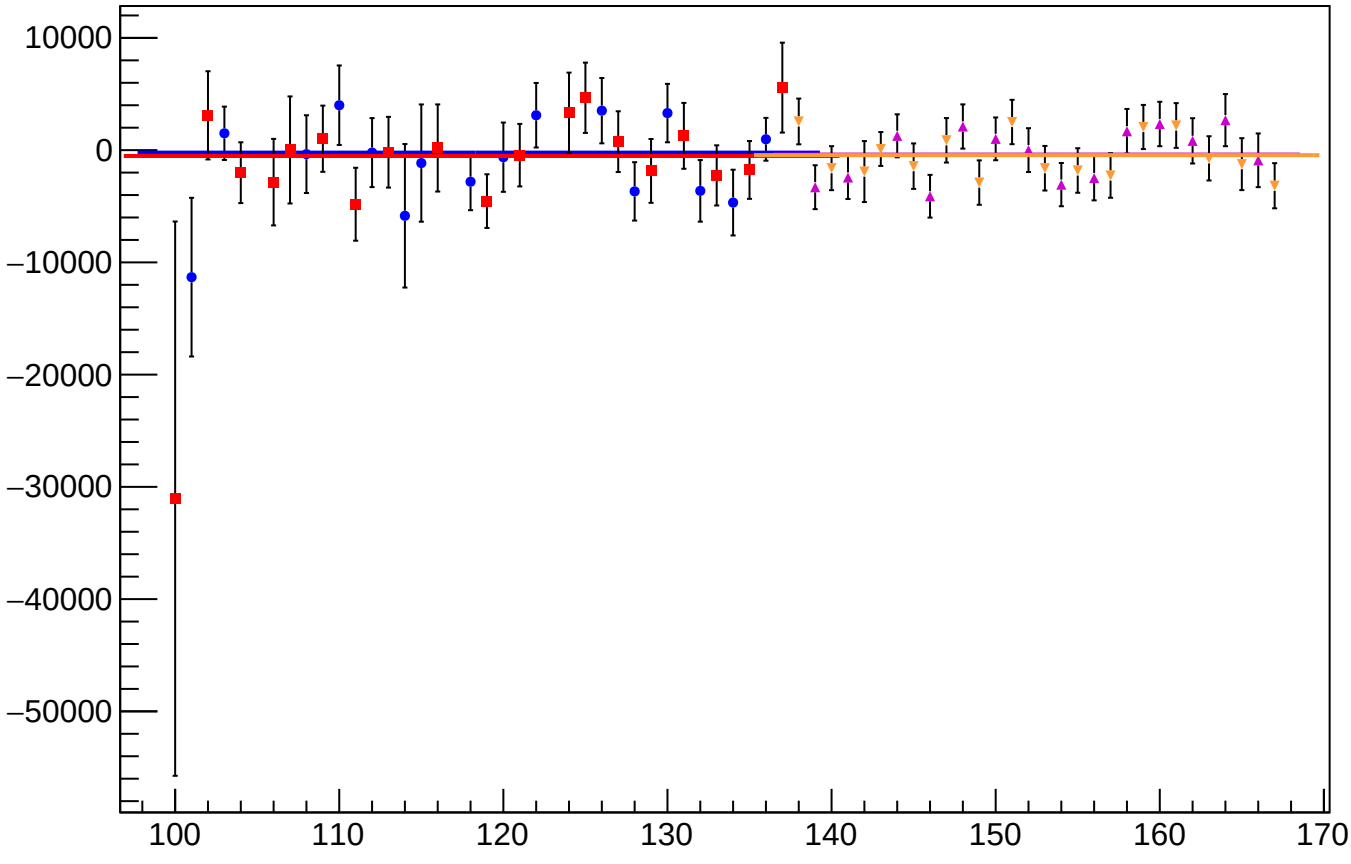
Left: 447.753+/-0.066 χ^2/NDF: 1627811.1/29

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 486.321+/-0.083 χ^2/NDF:3231777.7/29

Out: 488.700+/-0.083 χ^2/NDF:5627159.2/34

All: 487.509+/-0.059 χ^2/NDF: 8859343.9/64



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -444.361+/-496.961 χ^2/NDF:14.4/15

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -393.289+/-533.509 χ^2/NDF:18.3/13

Left: -420.634+/-363.639 χ^2/NDF: 32.7/29

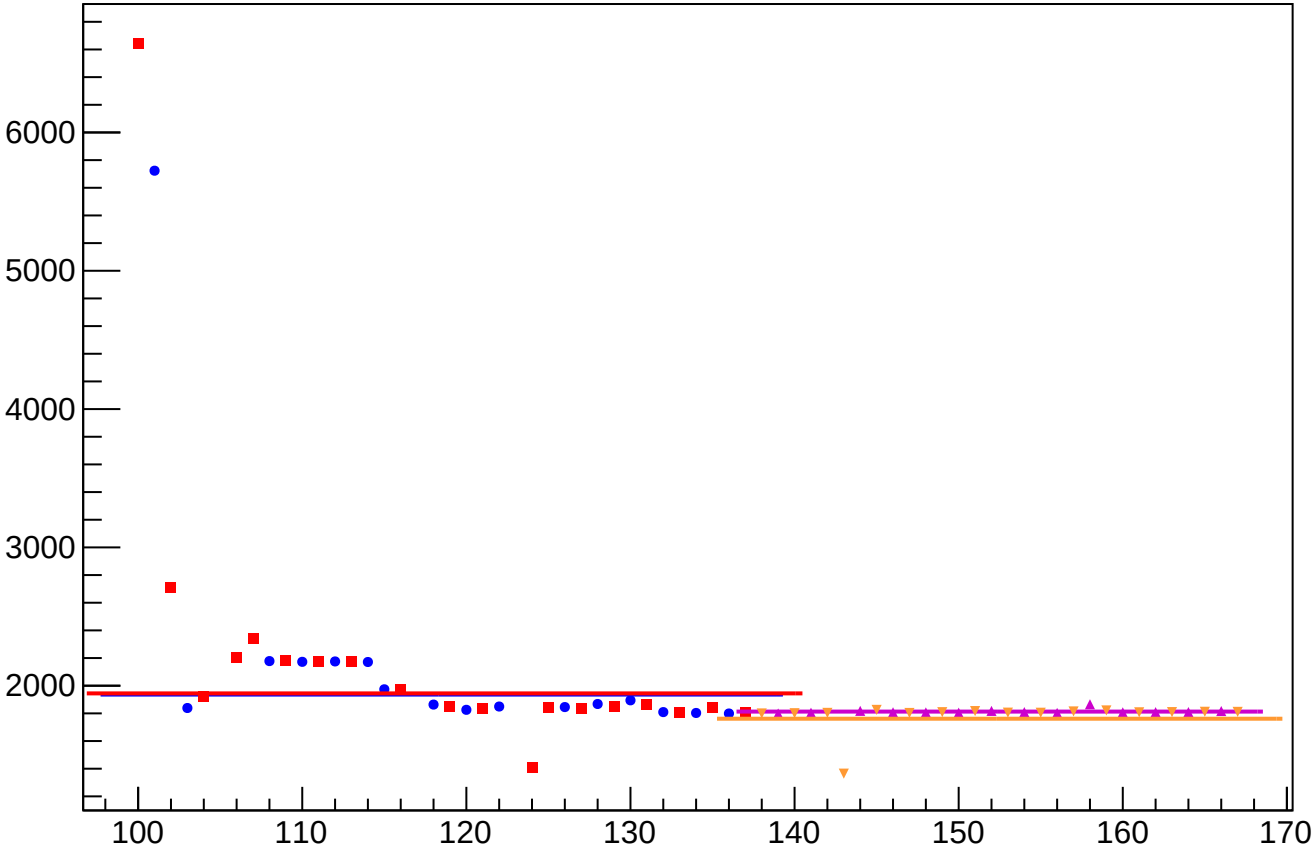
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -333.722+/-431.937 χ^2/NDF:35.4/29

Out: -468.626+/-409.902 χ^2/NDF:30.0/34

All: -404.703+/-297.330 χ^2/NDF: 65.5/64

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1761.360+/-0.351 χ^2/NDF:155524.1/15

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1812.942+/-0.377 χ^2/NDF:1731.1/13

Left: 1785.324+/-0.257 χ^2/NDF: 167265.7/29

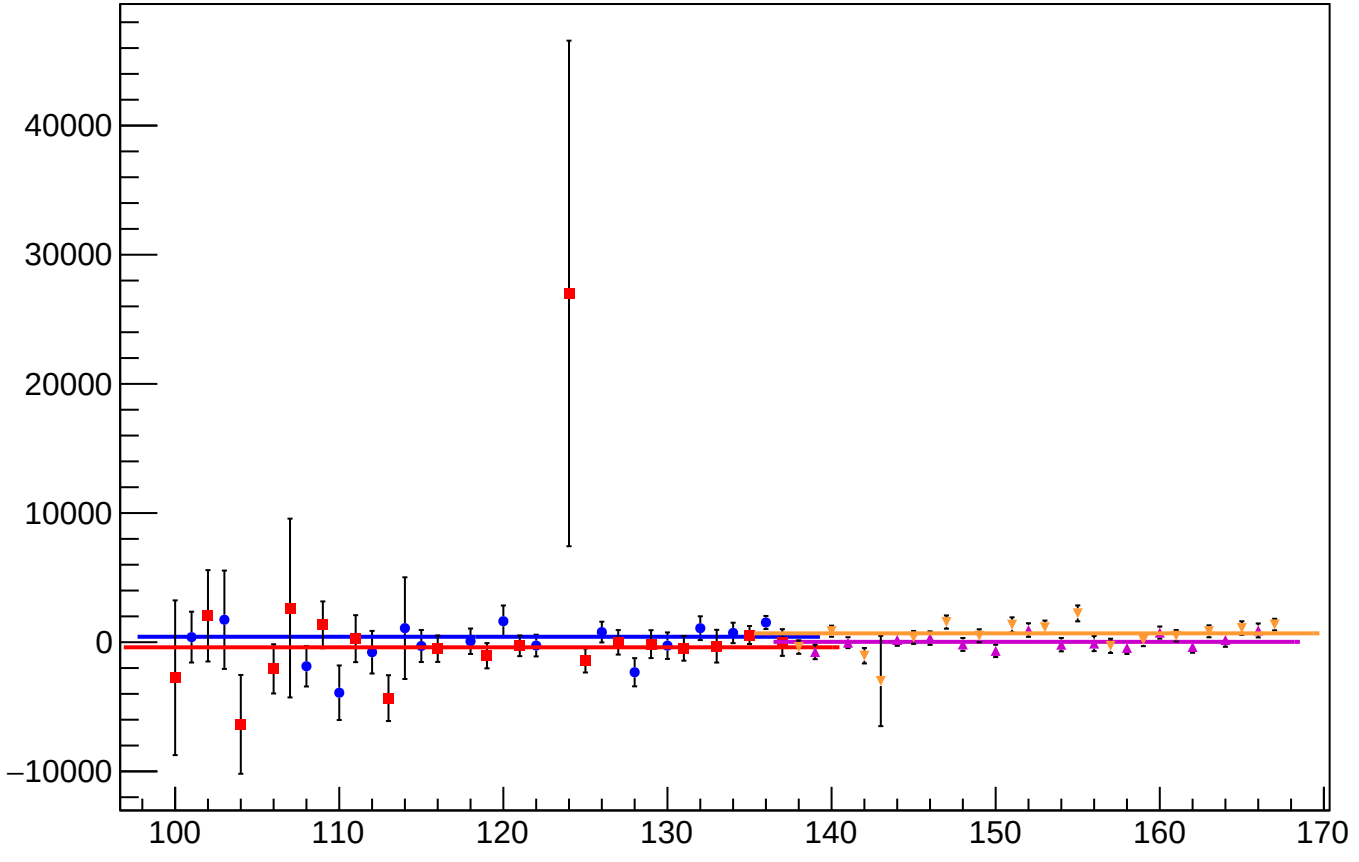
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1855.330+/-0.305 χ^2/NDF:678182.8/29

Out: 1819.904+/-0.290 χ^2/NDF:518571.3/34

All: 1836.690+/-0.210 χ^2/NDF: 1203832.8/64

asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 687.148+/-130.129 χ^2/NDF:33.1/15

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: 27.283+/-132.594 χ^2/NDF:14.7/13

Left: 363.404+/-92.874 χ^2/NDF: 60.4/29

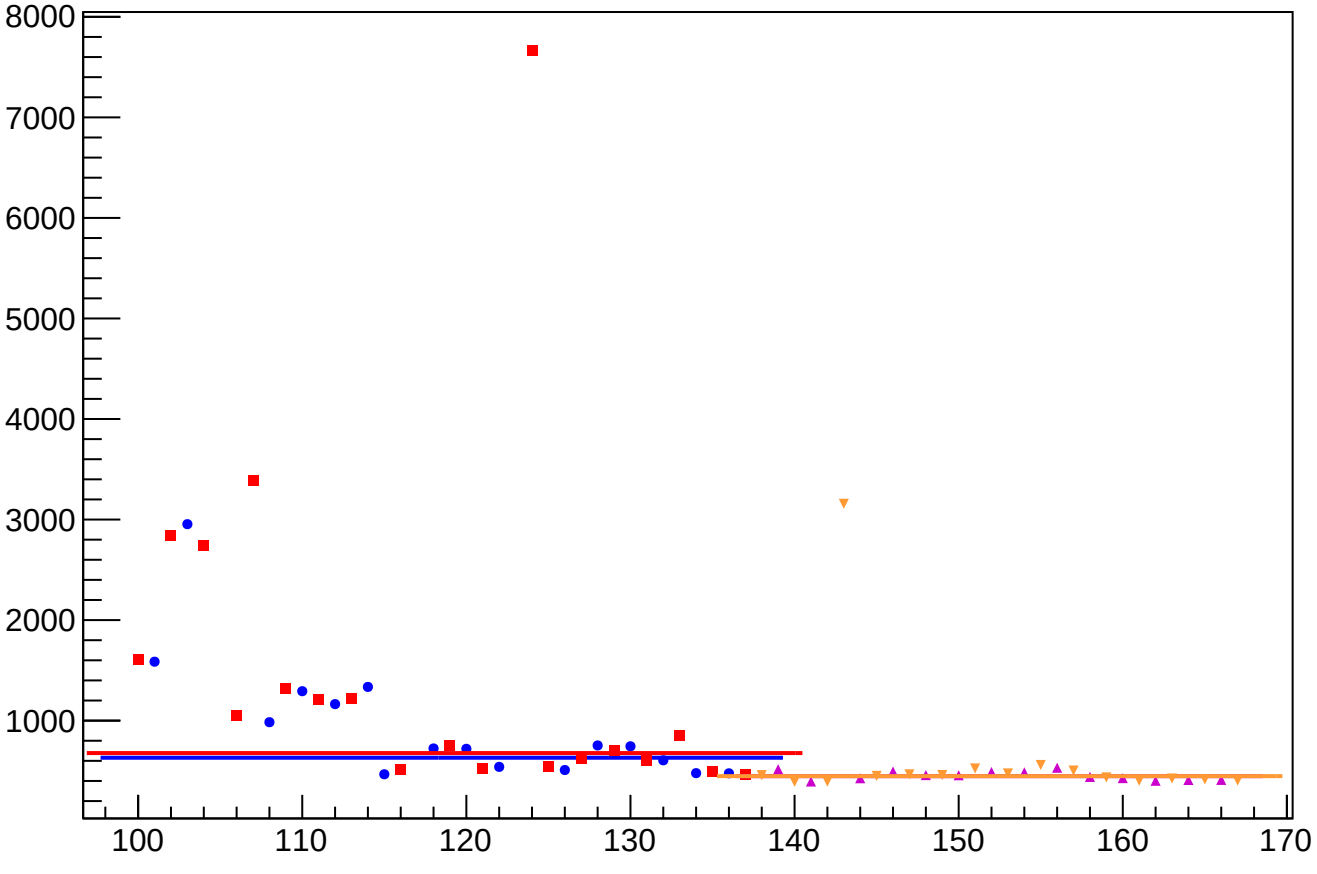
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 110.210+/-117.811 χ^2/NDF:38.0/29

Out: 494.687+/-117.975 χ^2/NDF:61.3/34

All: 302.181+/-83.363 χ^2/NDF: 104.6/64

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 447.806+/-0.092 χ^2/NDF:1436512.9/15

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 447.698+/-0.094 χ^2/NDF:191302.5/13

Left: 447.753+/-0.066 χ^2/NDF: 1627816.1/29

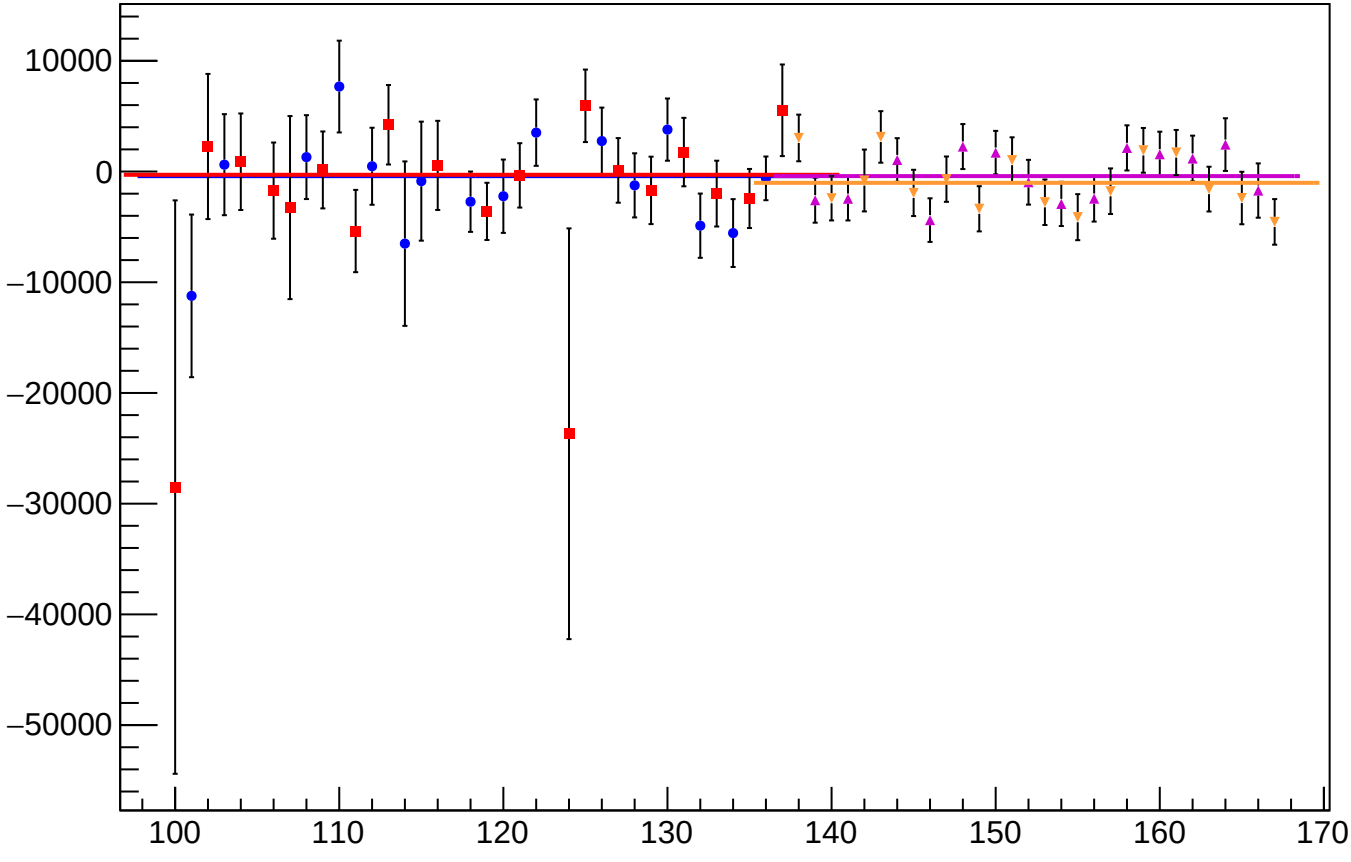
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 486.321+/-0.083 χ^2/NDF:3231779.8/29

Out: 488.699+/-0.083 χ^2/NDF:5627164.0/34

All: 487.509+/-0.059 χ^2/NDF: 8859350.9/64

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1020.386+/-528.695 χ^2/NDF:20.2/15

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -412.572+/-550.017 χ^2/NDF:17.2/13

Left: -728.489+/-381.159 χ^2/NDF: 38.0/29

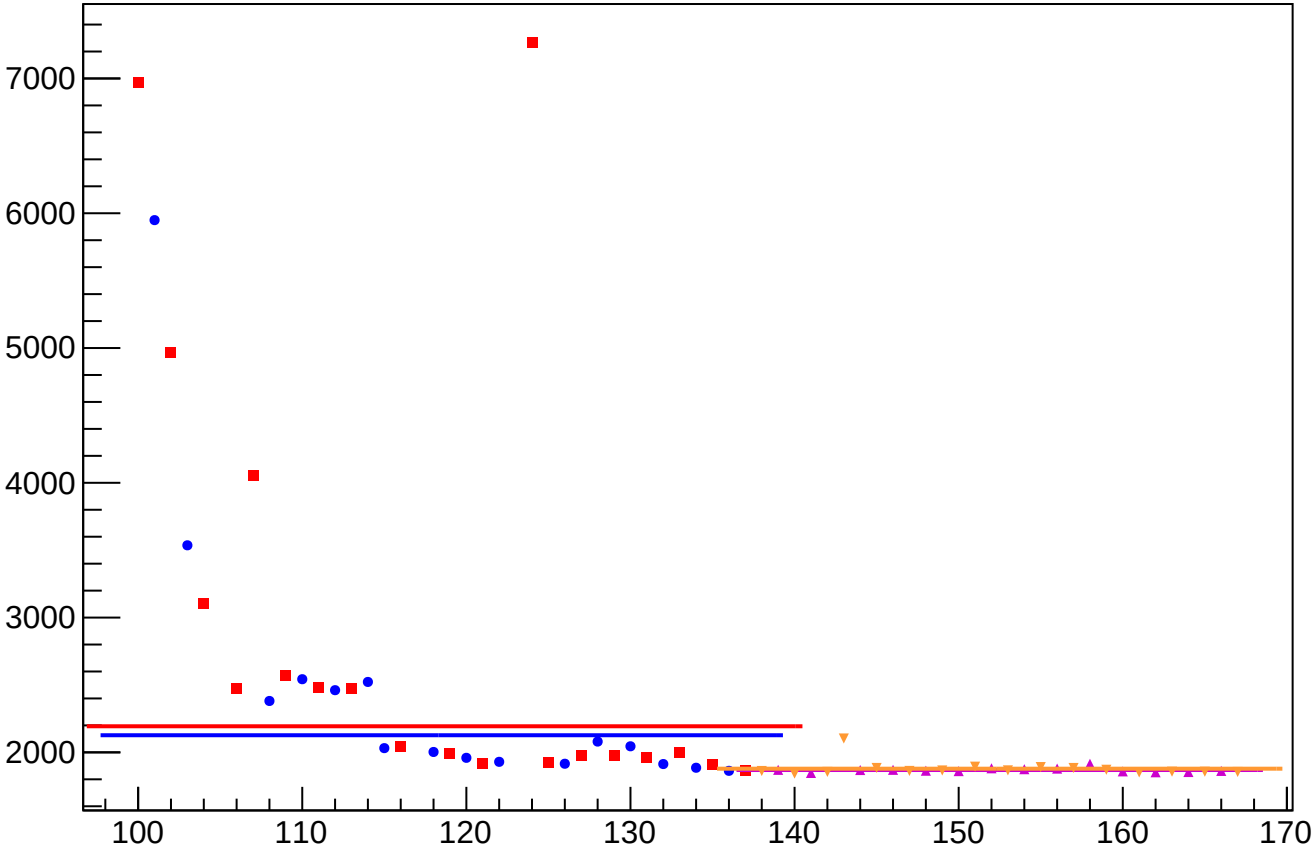
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -414.164+/-455.974 χ^2/NDF:35.5/29

Out: -811.456+/-446.164 χ^2/NDF:36.4/34

All: -617.129+/-318.897 χ^2/NDF: 72.3/64

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1878.860+/-0.374 χ^2/NDF:21050.5/15

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1869.021+/-0.389 χ^2/NDF:1743.3/13

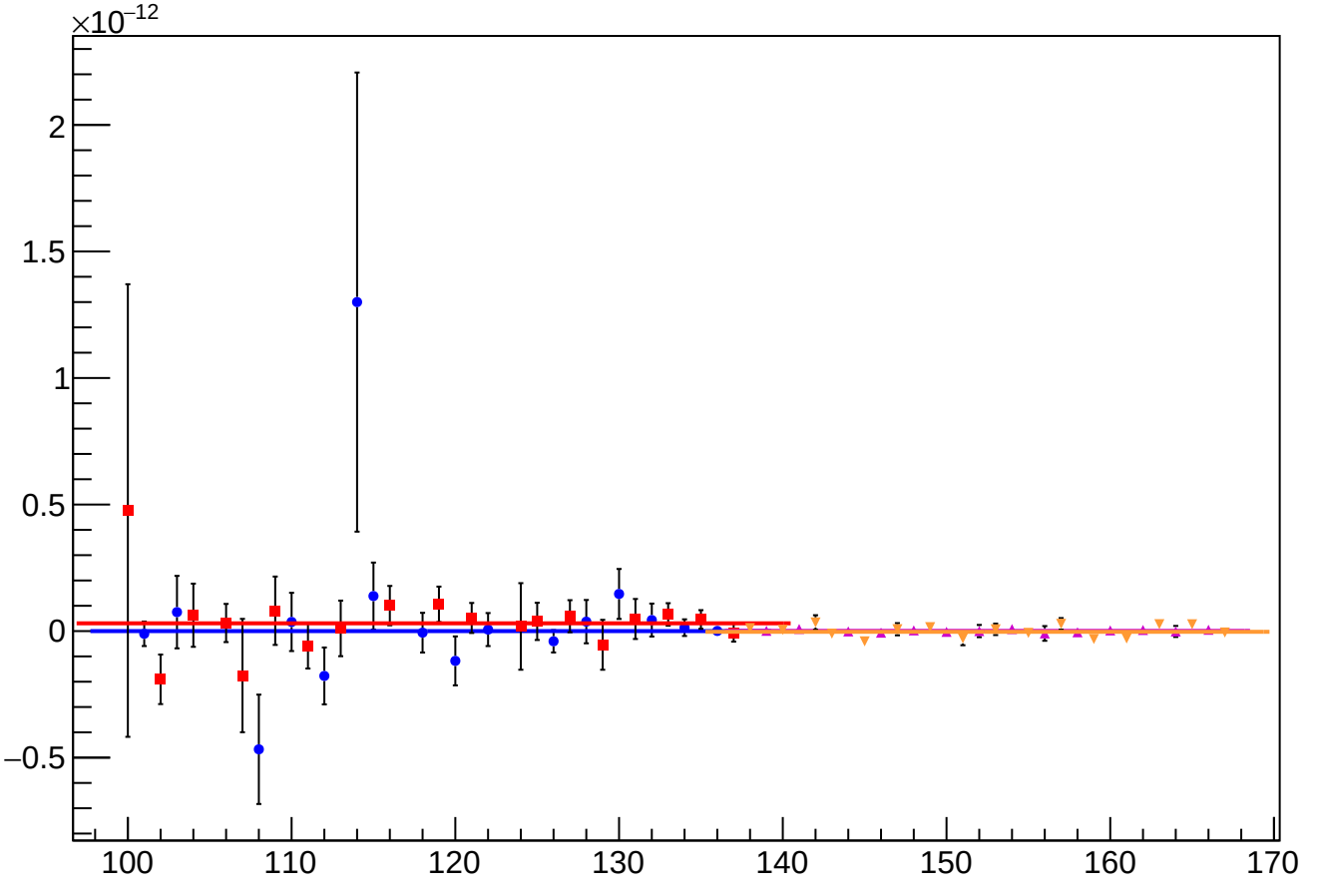
Left: 1874.135+/-0.270 χ^2/NDF: 23126.4/29

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1949.712+/-0.322 χ^2/NDF:1014465.1/29

Out: 1969.443+/-0.315 χ^2/NDF:1167600.8/34

All: 1959.792+/-0.225 χ^2/NDF: 2183979.1/64



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/13

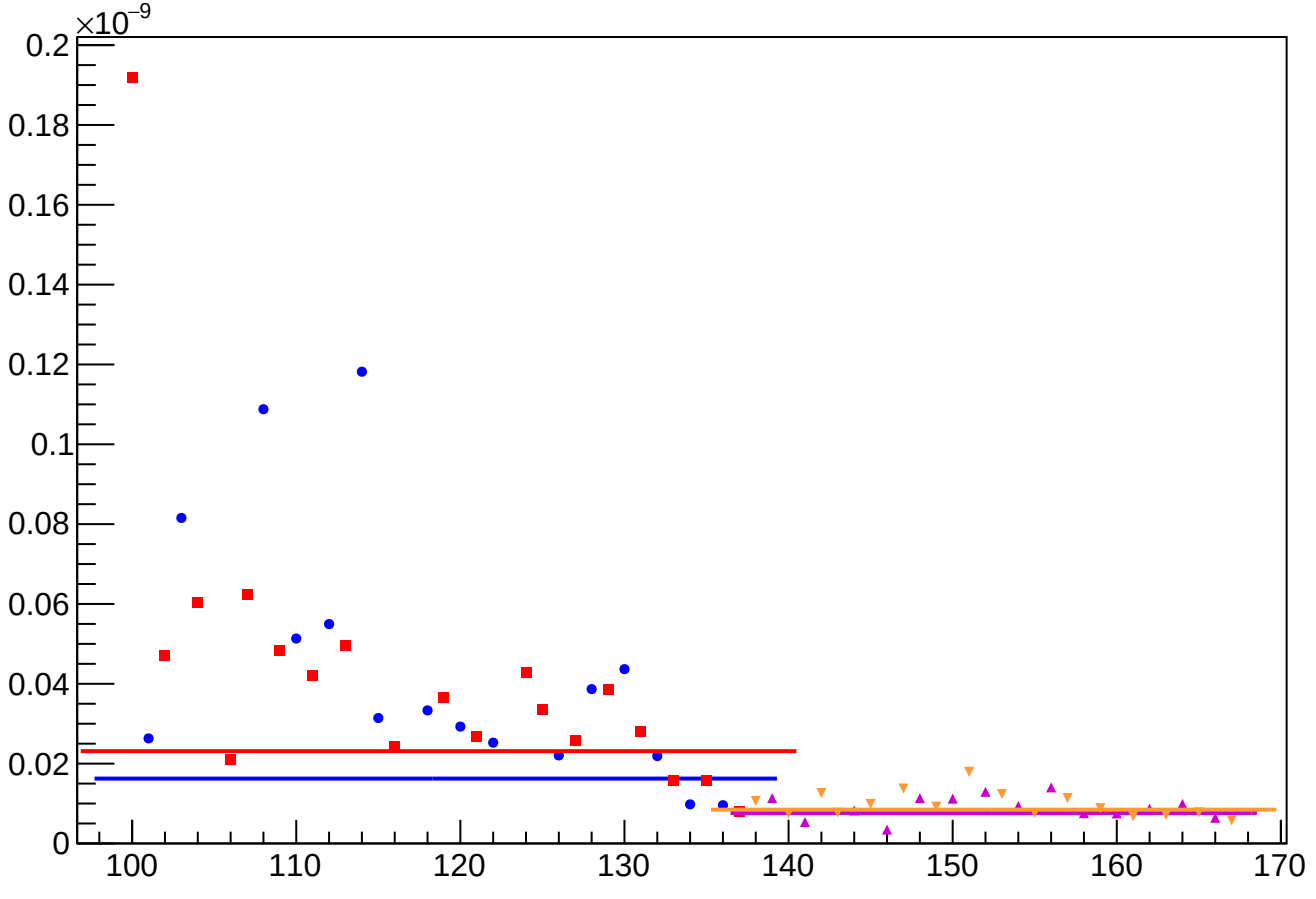
Left: -0.000+/-0.000 χ^2/NDF: 29.7/29

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.7/29

Out: -0.000+/-0.000 χ^2/NDF:44.4/34

All: 0.000+/-0.000 χ^2/NDF: 62.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:741127.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:916657.1/13

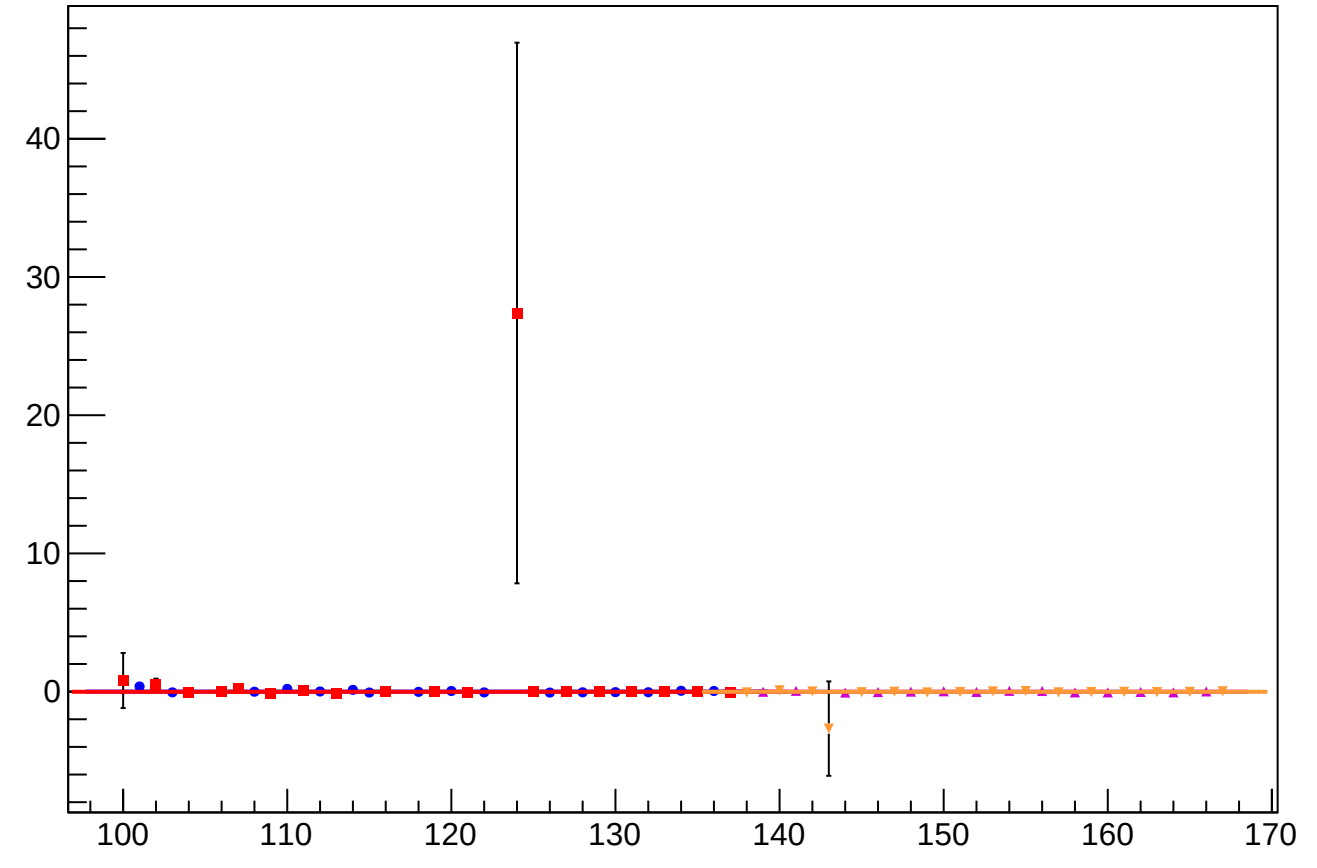
Left: 0.000+/-0.000 χ^2/NDF: 1698177.5/29

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4145098.4/29

Out: 0.000+/-0.000 χ^2/NDF:3780227.2/34

All: 0.000+/-0.000 χ^2/NDF: 7970167.2/64



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.010 χ^2/NDF:16.4/13

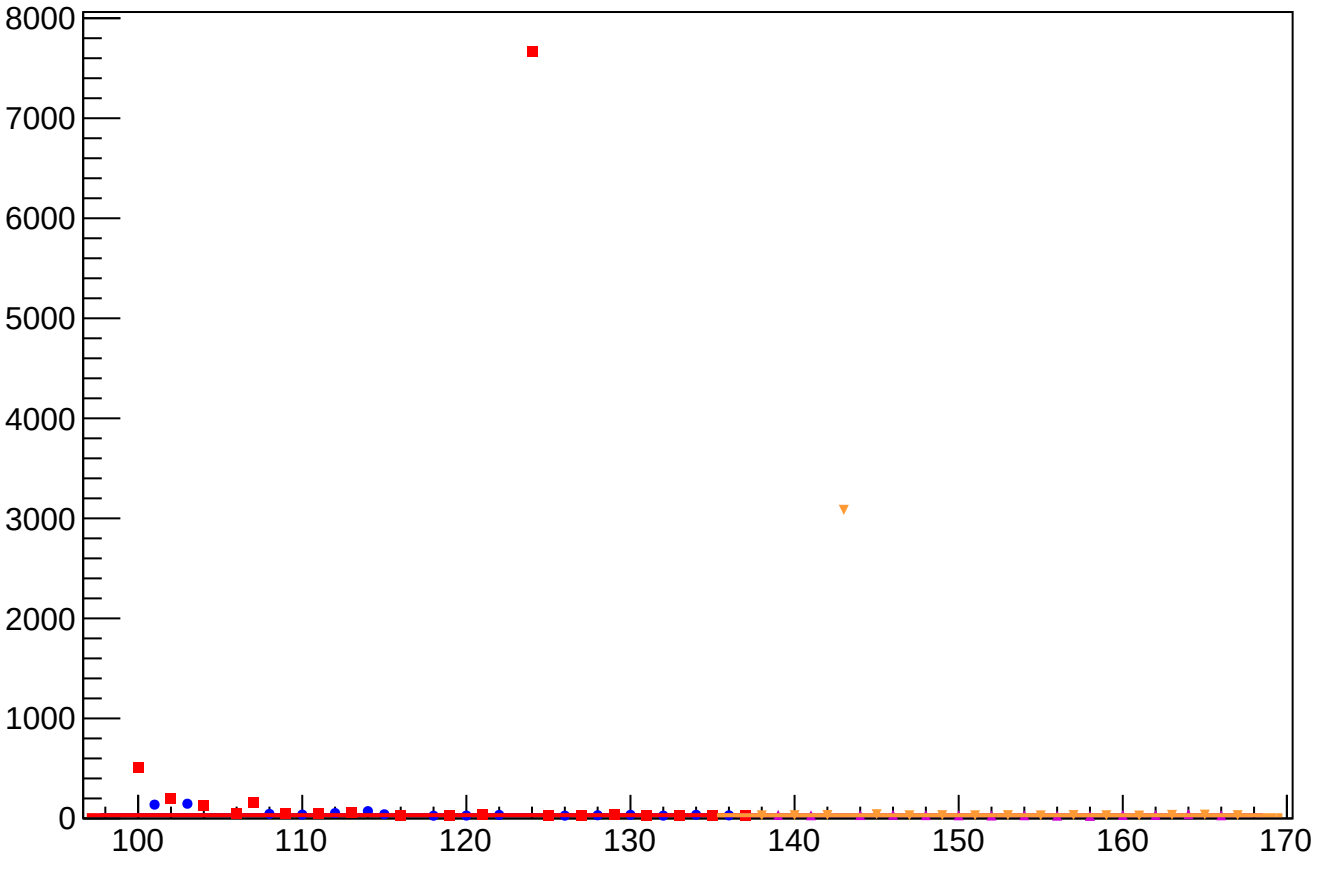
Left: -0.007+/-0.007 χ^2/NDF: 33.7/29

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.5/29

Out: -0.010+/-0.008 χ^2/NDF:31.4/34

All: -0.007+/-0.006 χ^2/NDF: 69.4/64



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.561+/-0.007 χ^2/NDF:1750053.5/15

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.622+/-0.007 χ^2/NDF:250638.1/13

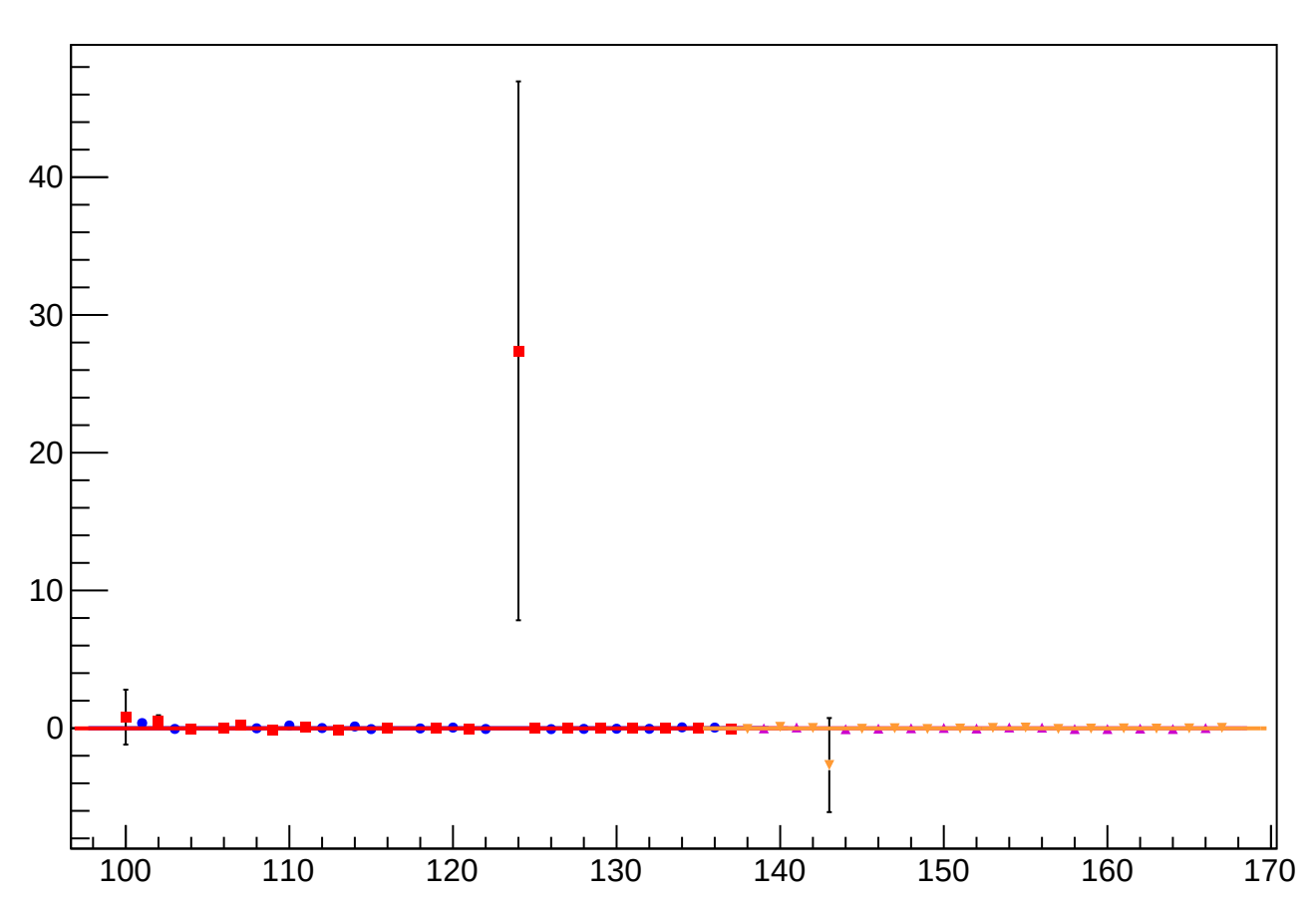
Left: 32.591+/-0.005 χ^2/NDF: 2000726.7/29

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.103+/-0.006 χ^2/NDF:1980440.0/29

Out: 32.729+/-0.006 χ^2/NDF:3826855.7/34

All: 32.914+/-0.004 χ^2/NDF: 5809237.2/64



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.010 χ^2/NDF:16.4/13

Left: -0.007+/-0.007 χ^2/NDF: 33.7/29

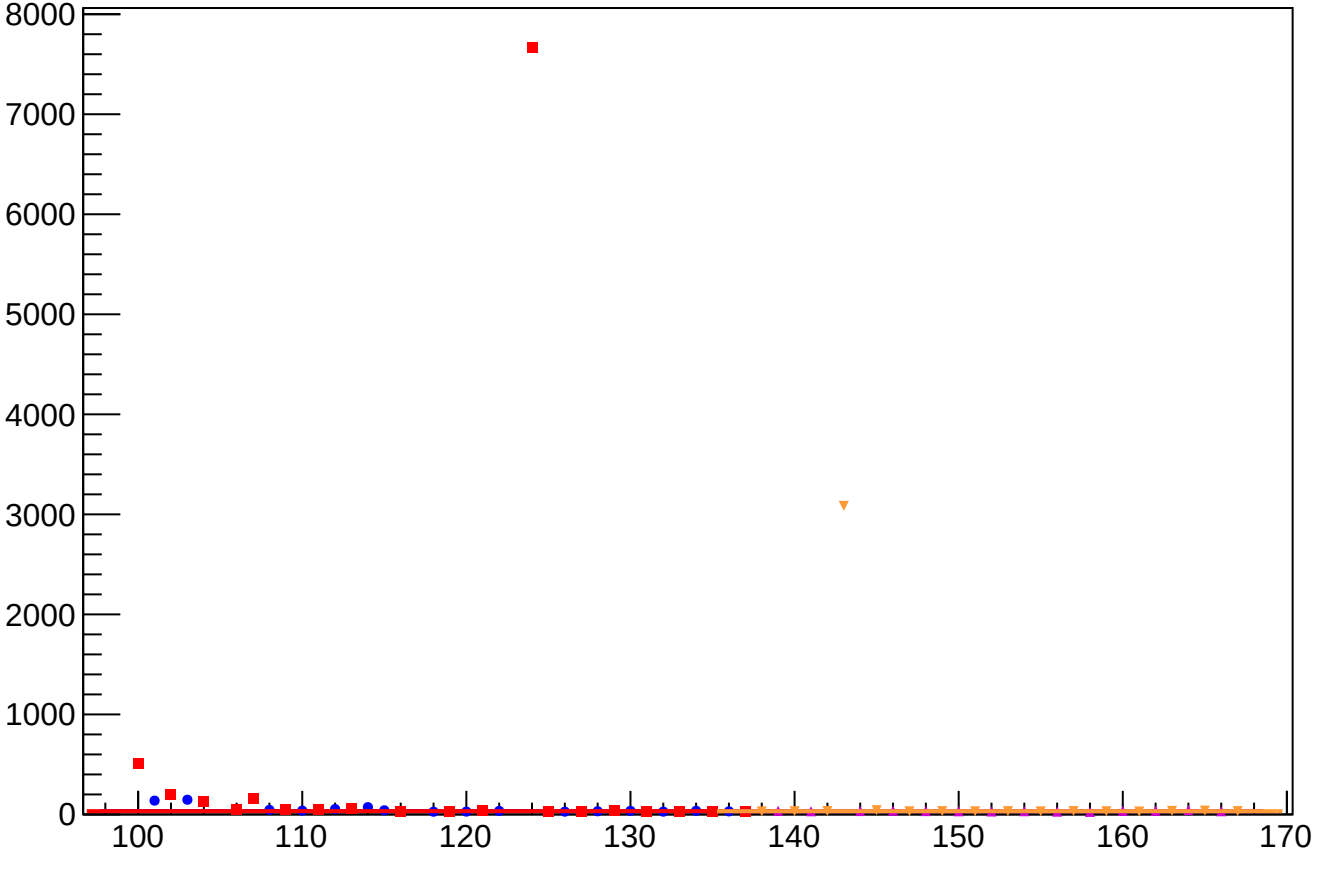
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.5/29

Out: -0.010+/-0.008 χ^2/NDF:31.4/34

All: -0.007+/-0.006 χ^2/NDF: 69.4/64

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.561+/-0.007 χ^2/NDF:1750053.5/15

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.622+/-0.007 χ^2/NDF:250638.1/13

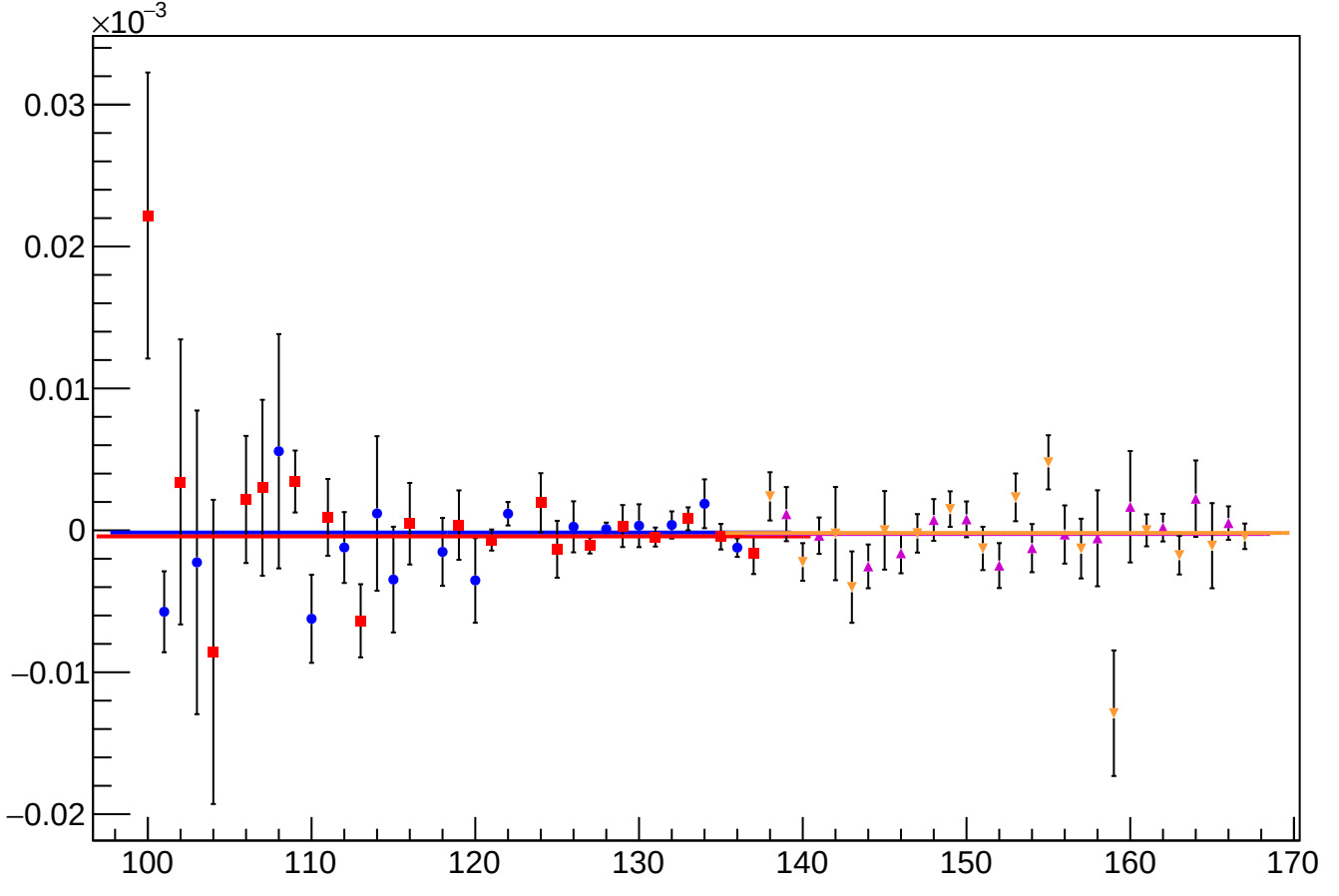
Left: 32.591+/-0.005 χ^2/NDF: 2000726.7/29

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.103+/-0.006 χ^2/NDF:1980440.0/29

Out: 32.729+/-0.006 χ^2/NDF:3826855.7/34

All: 32.914+/-0.004 χ^2/NDF: 5809237.2/64



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/13

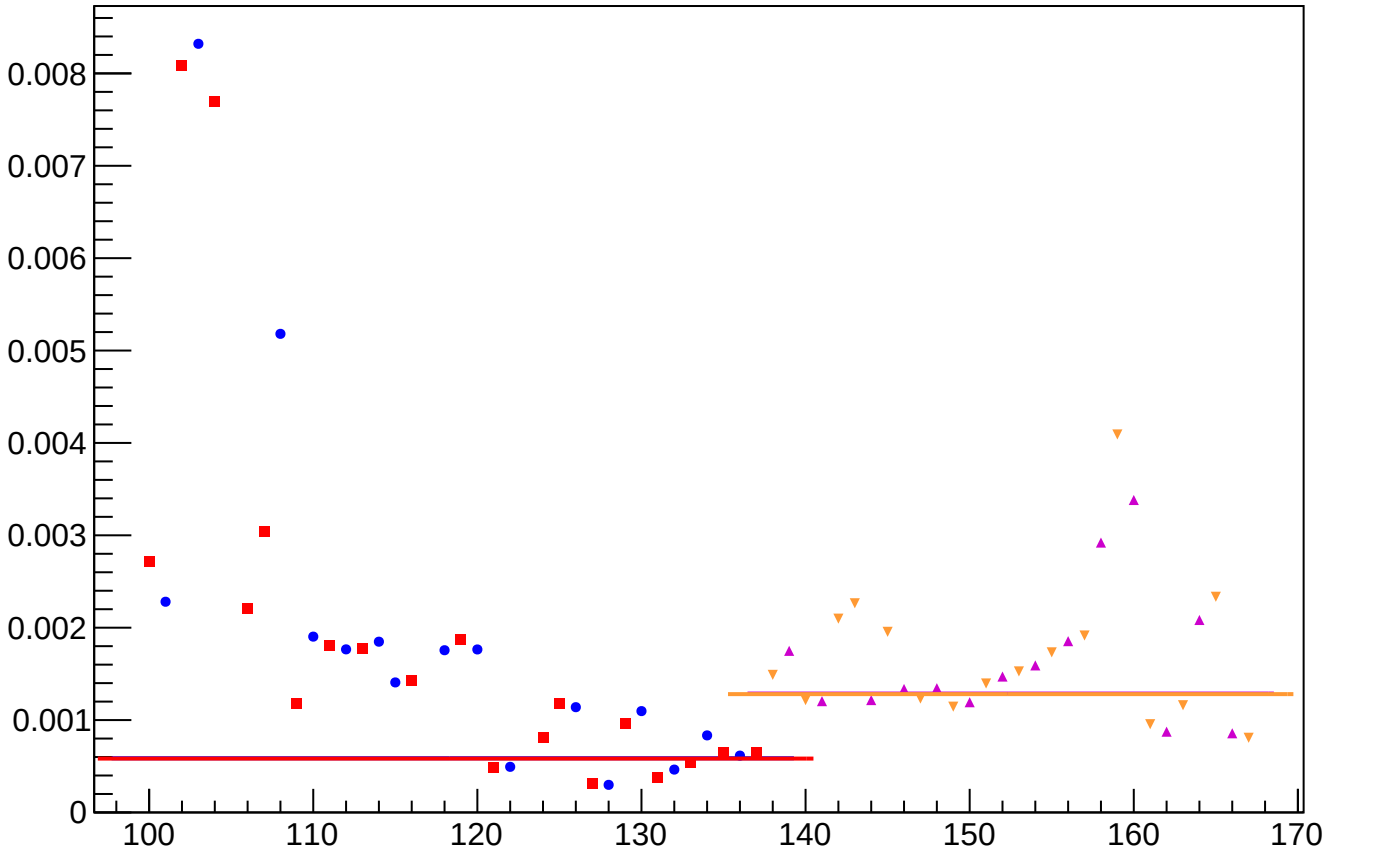
Left: -0.000+/-0.000 χ^2/NDF: 37.2/29

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:27.1/29

Out: -0.000+/-0.000 χ^2/NDF:50.2/34

All: -0.000+/-0.000 χ^2/NDF: 77.4/64



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:2746393.5/15

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:2227076.7/13

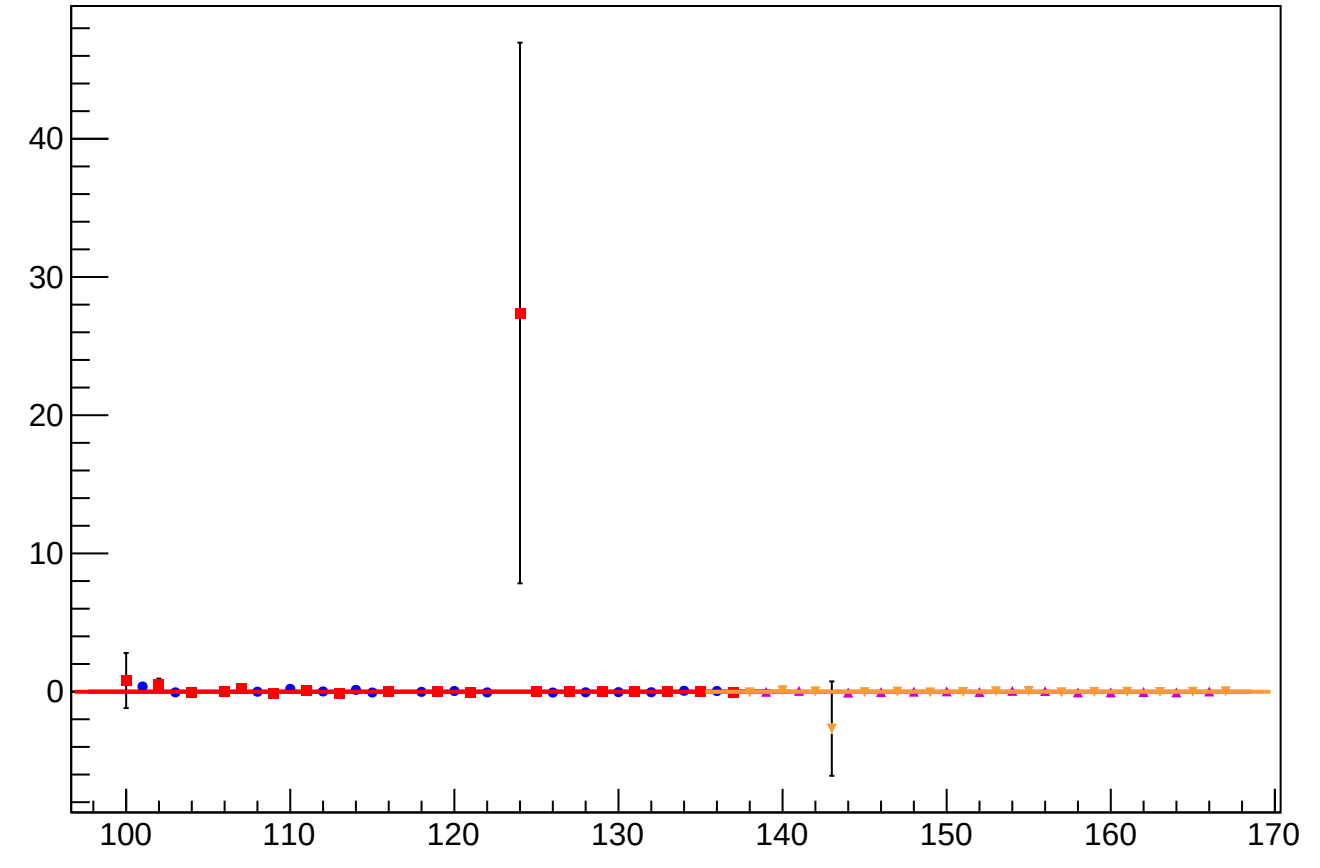
Left: 0.001+/-0.000 χ^2/NDF: 4973715.3/29

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:11566505.8/29

Out: 0.001+/-0.000 χ^2/NDF:12315937.9/34

All: 0.001+/-0.000 χ^2/NDF: 23882443.7/64



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.010 χ^2/NDF:16.4/13

Left: -0.007+/-0.007 χ^2/NDF: 33.7/29

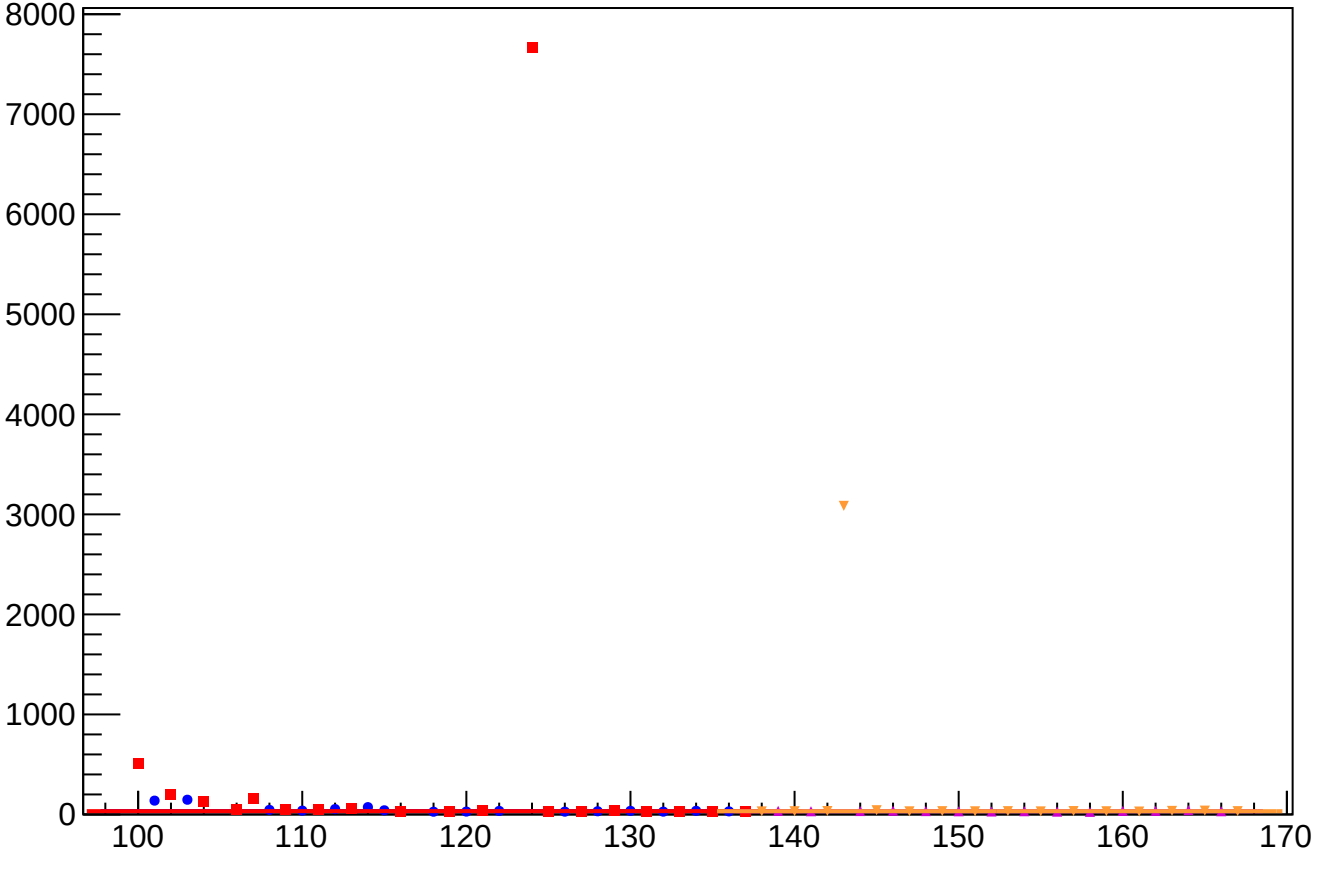
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.5/29

Out: -0.010+/-0.008 χ^2/NDF:31.4/34

All: -0.007+/-0.006 χ^2/NDF: 69.4/64

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.561+/-0.007 χ^2/NDF:1750048.1/15

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.623+/-0.007 χ^2/NDF:250558.2/13

Left: 32.591+/-0.005 χ^2/NDF: 2000641.7/29

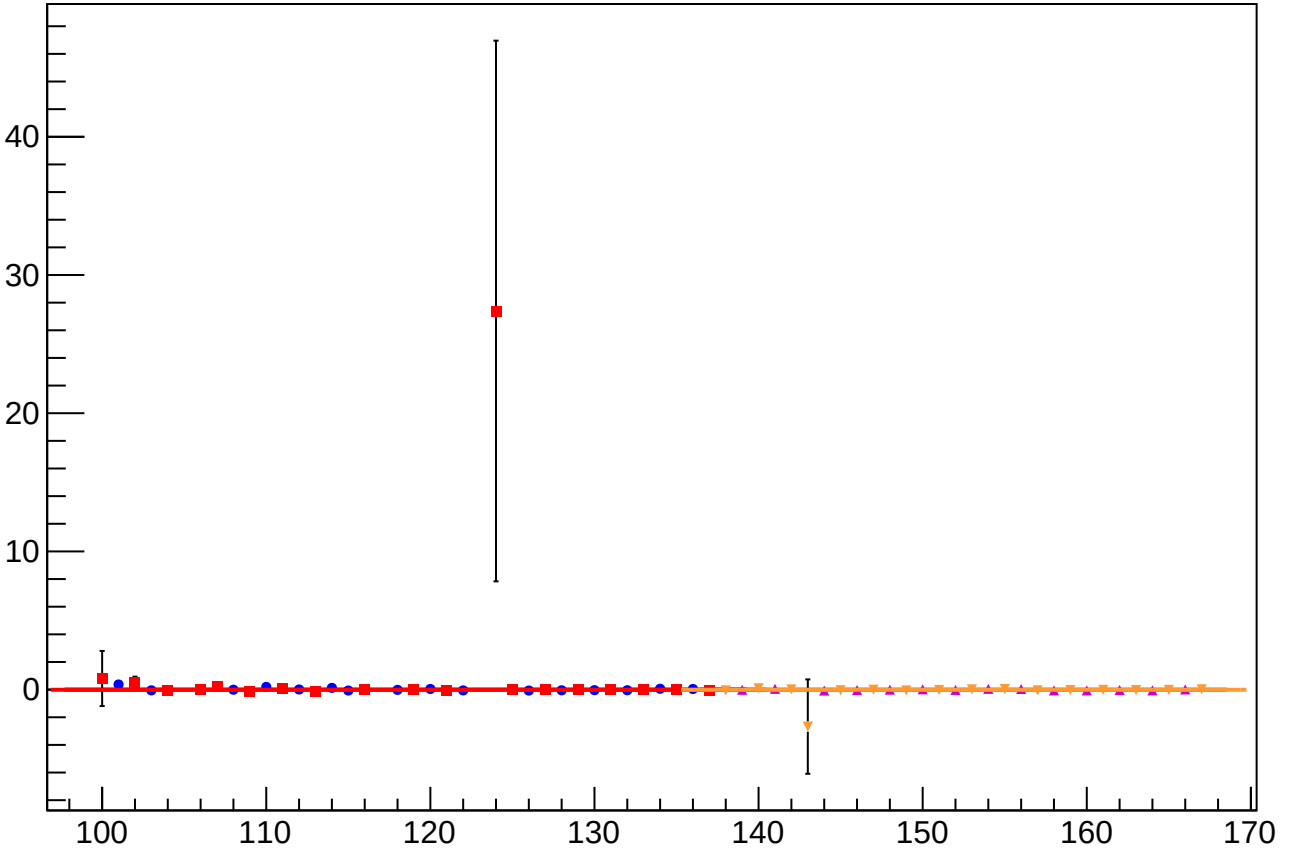
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.103+/-0.006 χ^2/NDF:1980343.4/29

Out: 32.729+/-0.006 χ^2/NDF:3826830.6/34

All: 32.914+/-0.004 χ^2/NDF: 5809117.9/64

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.010 χ^2/NDF:16.4/13

Left: -0.007+/-0.007 χ^2/NDF: 33.7/29

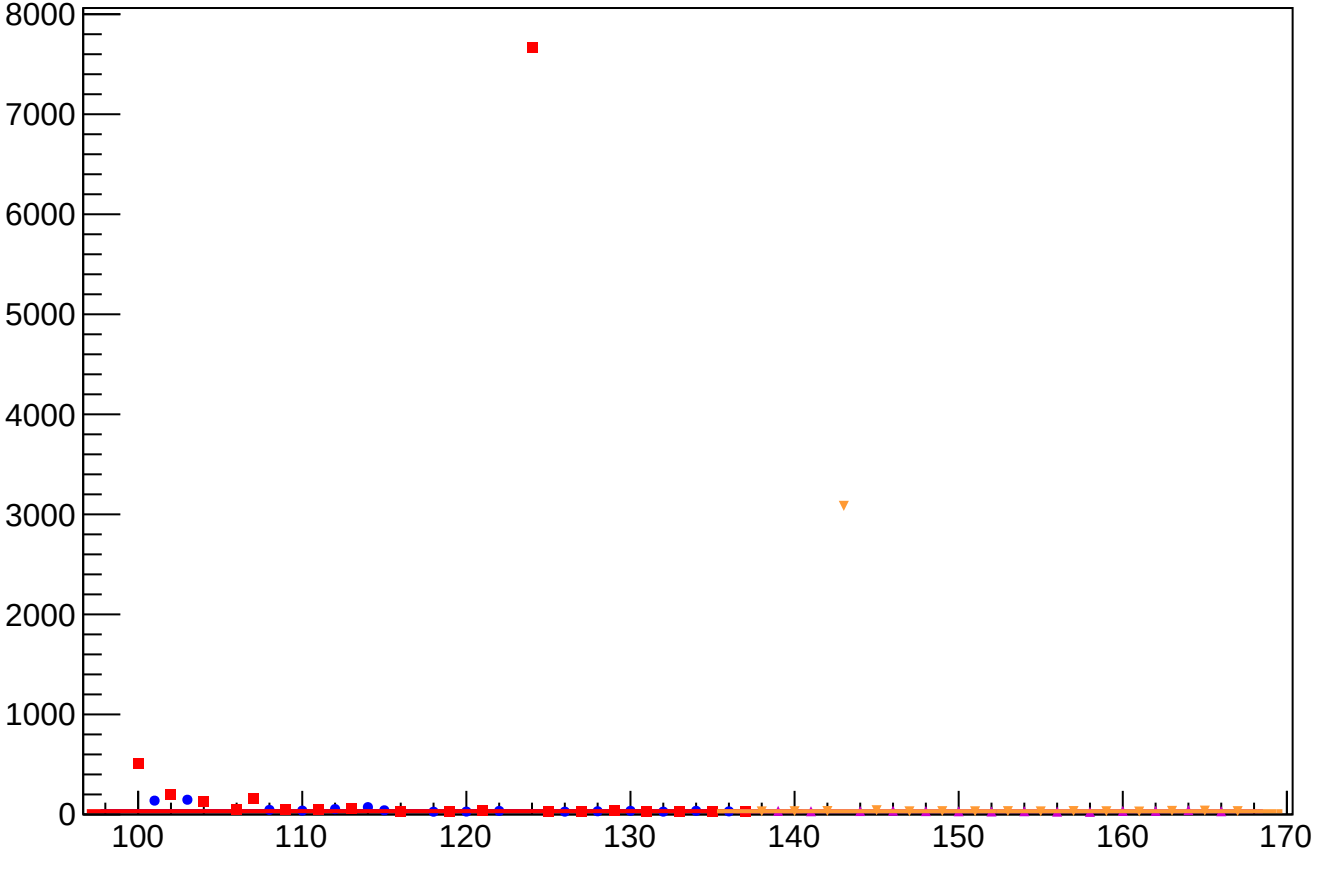
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.5/29

Out: -0.010+/-0.008 χ^2/NDF:31.4/34

All: -0.007+/-0.006 χ^2/NDF: 69.4/64

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.561+/-0.007 χ^2/NDF:1750048.1/15

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.623+/-0.007 χ^2/NDF:250558.2/13

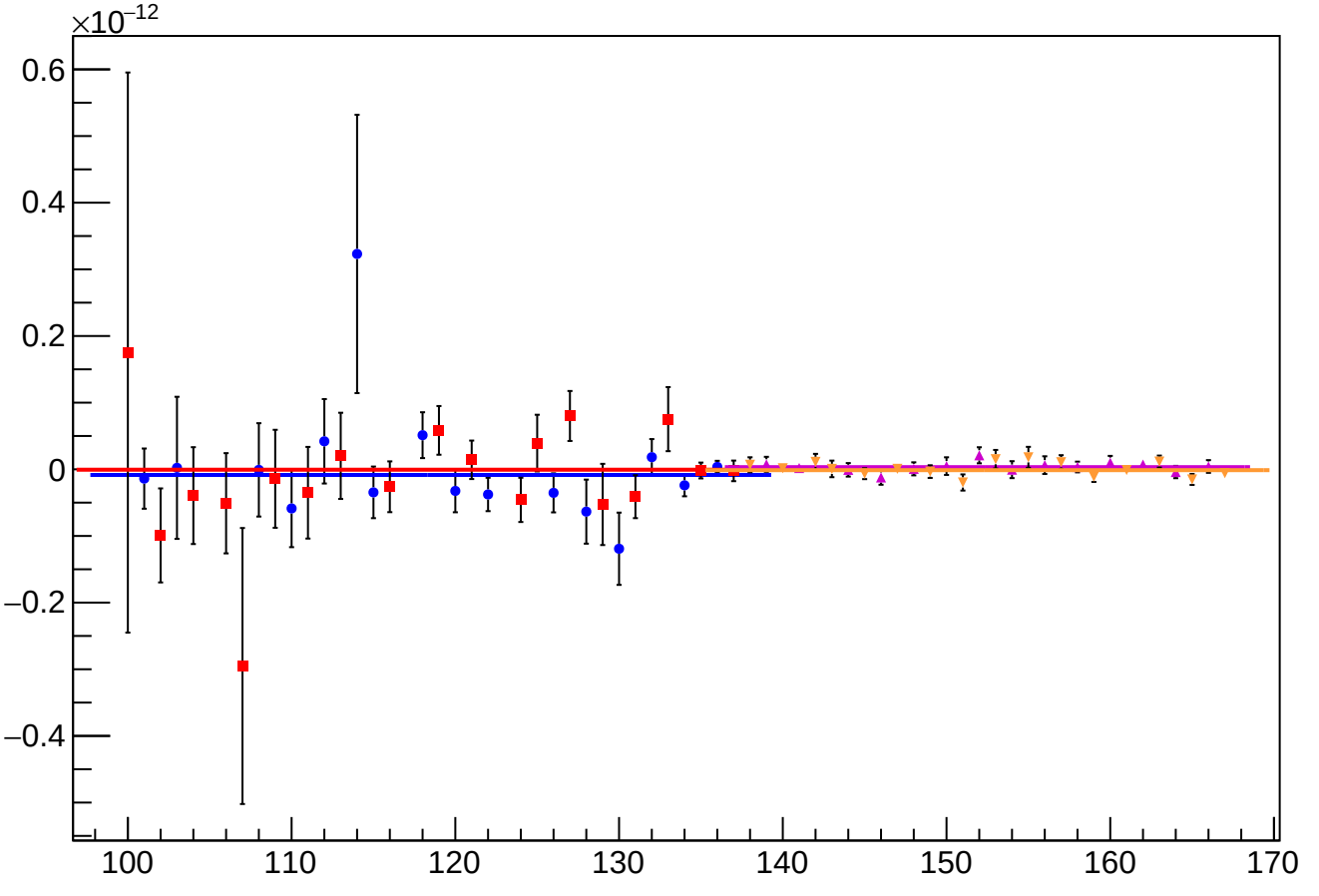
Left: 32.591+/-0.005 χ^2/NDF: 2000641.7/29

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.103+/-0.006 χ^2/NDF:1980343.4/29

Out: 32.729+/-0.006 χ^2/NDF:3826830.6/34

All: 32.914+/-0.004 χ^2/NDF: 5809117.9/64



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/13

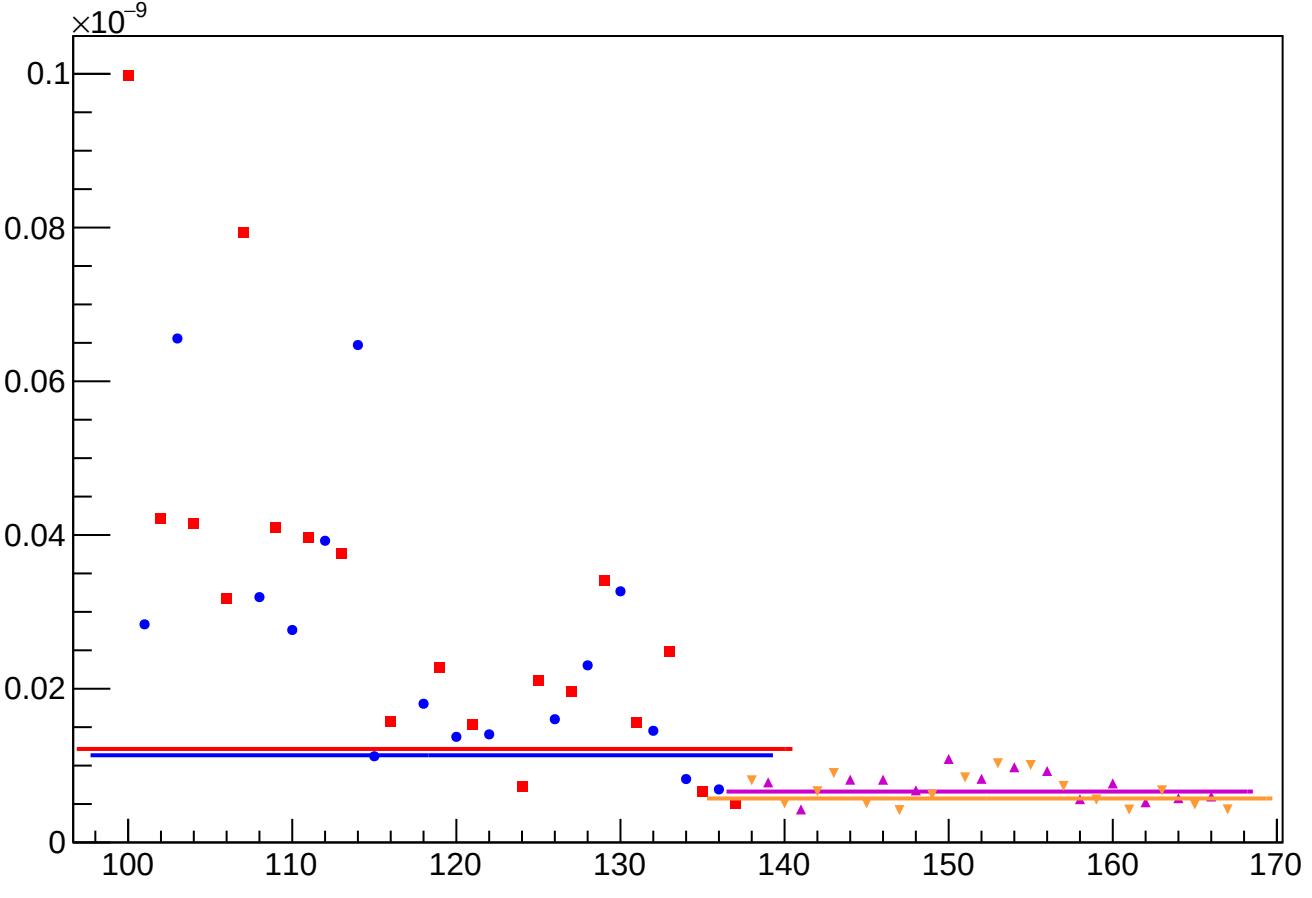
Left: 0.000+/-0.000 χ^2/NDF: 23.7/29

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:28.3/29

Out: -0.000+/-0.000 χ^2/NDF:36.6/34

All: 0.000+/-0.000 χ^2/NDF: 65.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136636.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:997029.5/13

Left: 0.000+/-0.000 χ^2/NDF: 2277585.4/29

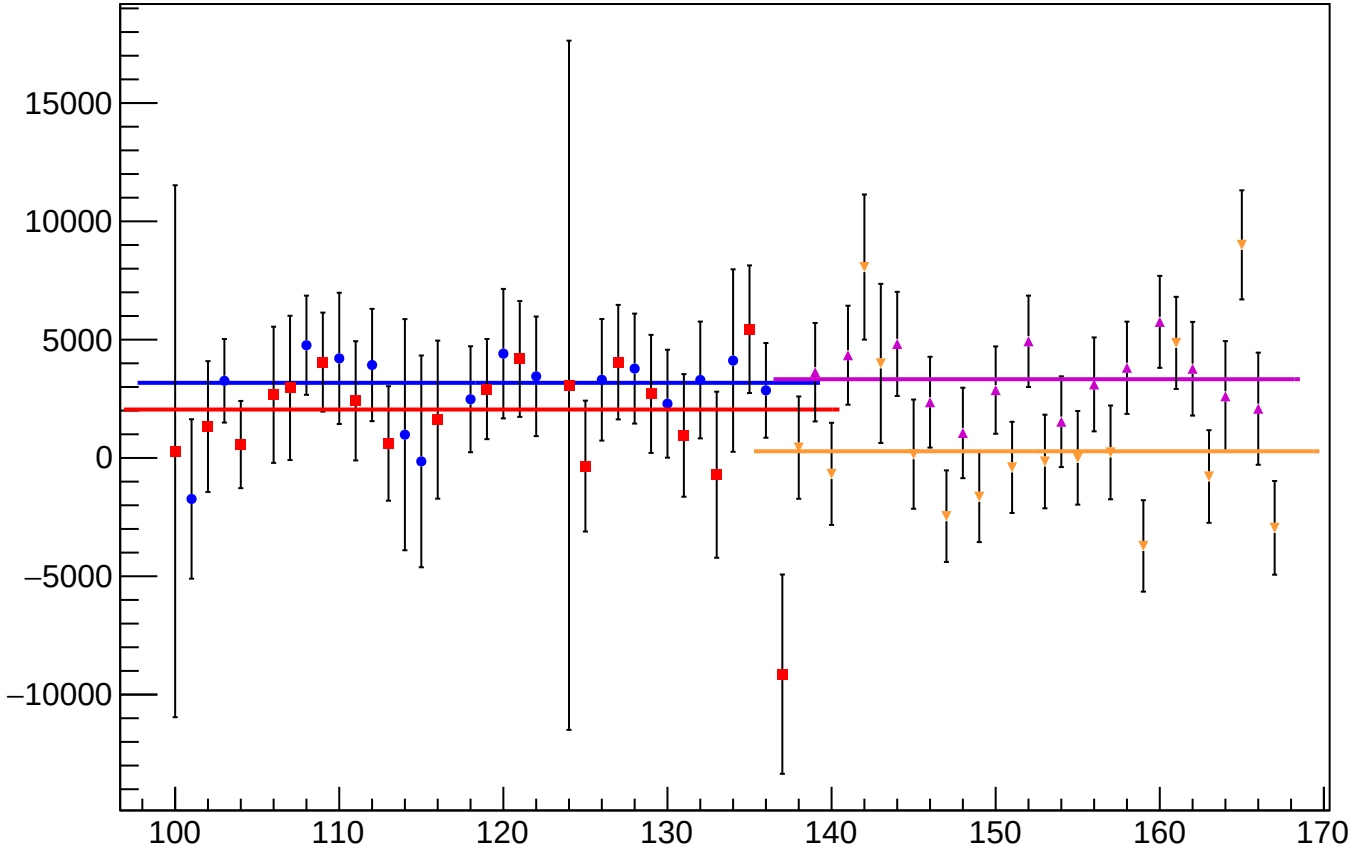
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4750583.9/29

Out: 0.000+/-0.000 χ^2/NDF:6340531.4/34

All: 0.000+/-0.000 χ^2/NDF: 11294322.3/64

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 283.062+/-525.485 χ^2/NDF:38.2/15

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3328.558+/-538.817 χ^2/NDF:6.1/13

Left: 1767.668+/-376.199 χ^2/NDF: 60.6/29

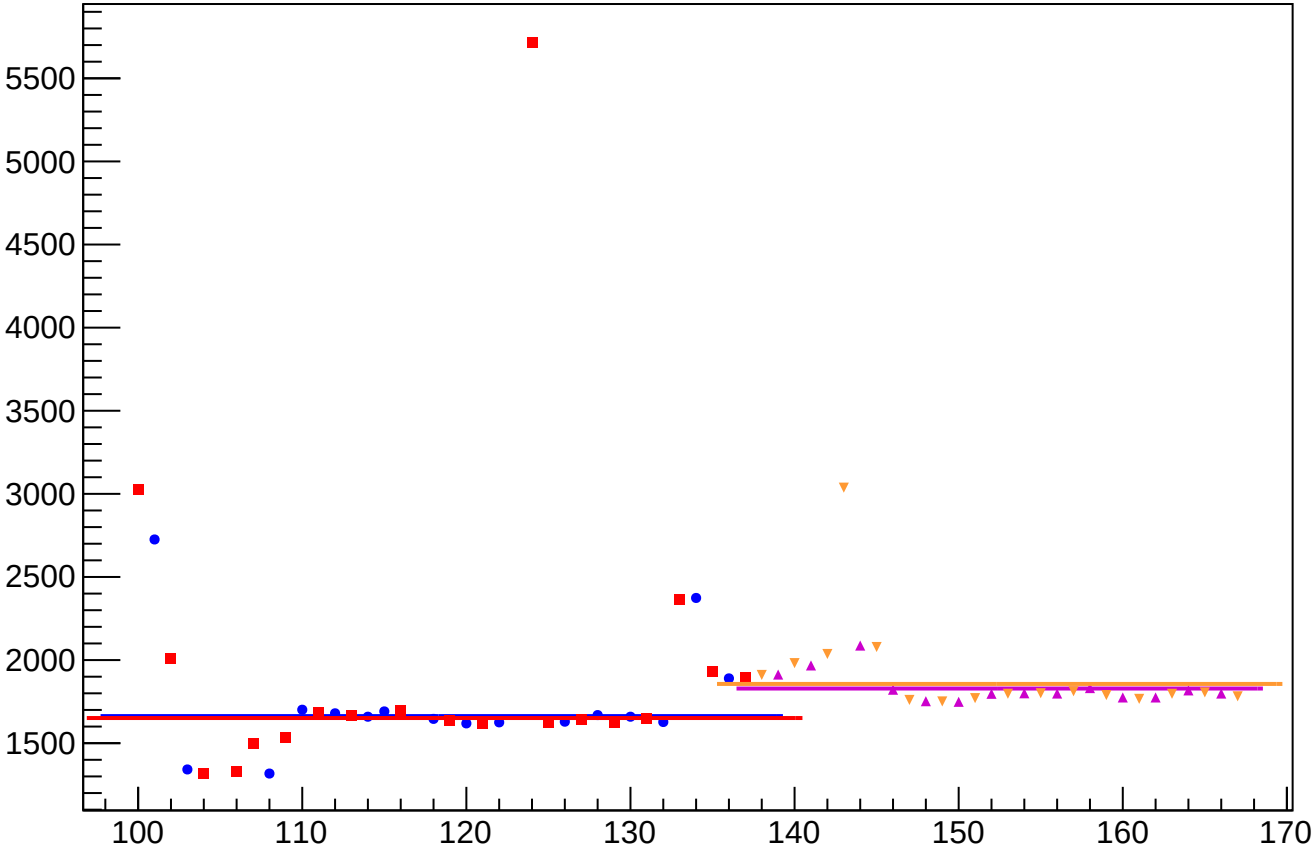
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3263.700+/-408.927 χ^2/NDF:10.4/29

Out: 1018.569+/-401.275 χ^2/NDF:56.9/34

All: 2119.932+/-286.411 χ^2/NDF: 82.7/64

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1856.449+/-0.372 χ^2/NDF:311751.5/15

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1828.779+/-0.381 χ^2/NDF:51453.1/13

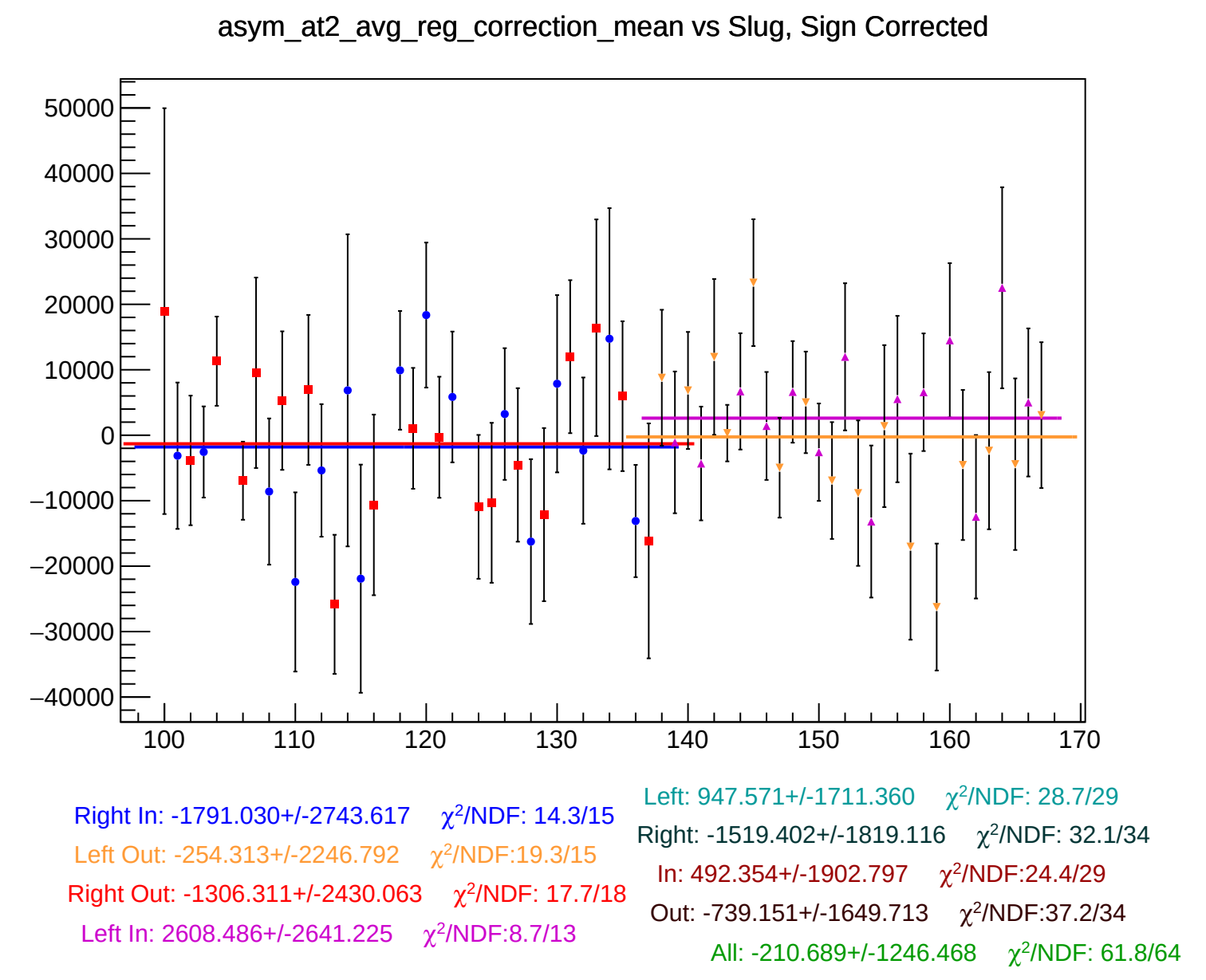
Left: 1842.960+/-0.266 χ^2/NDF: 365908.0/29

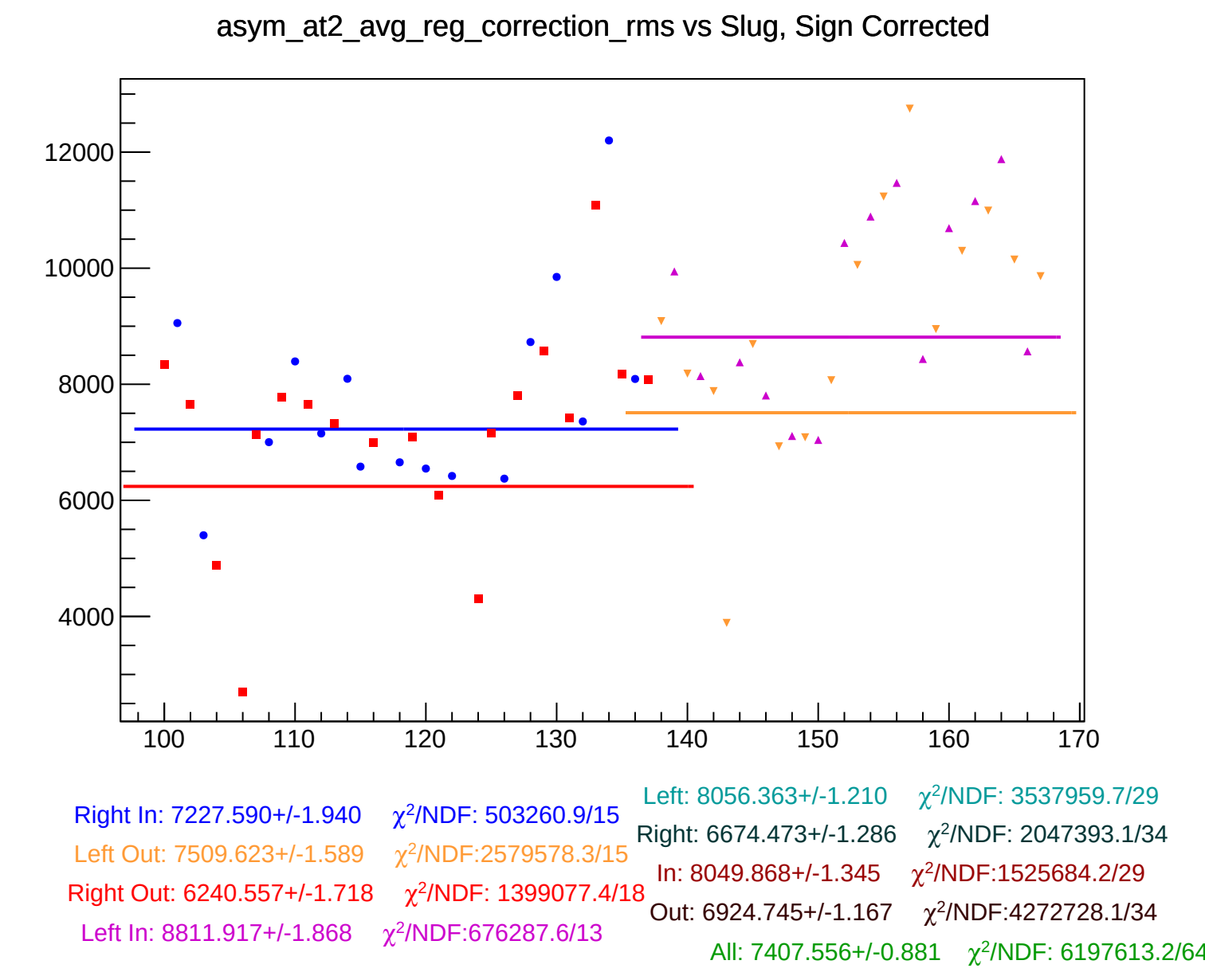
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

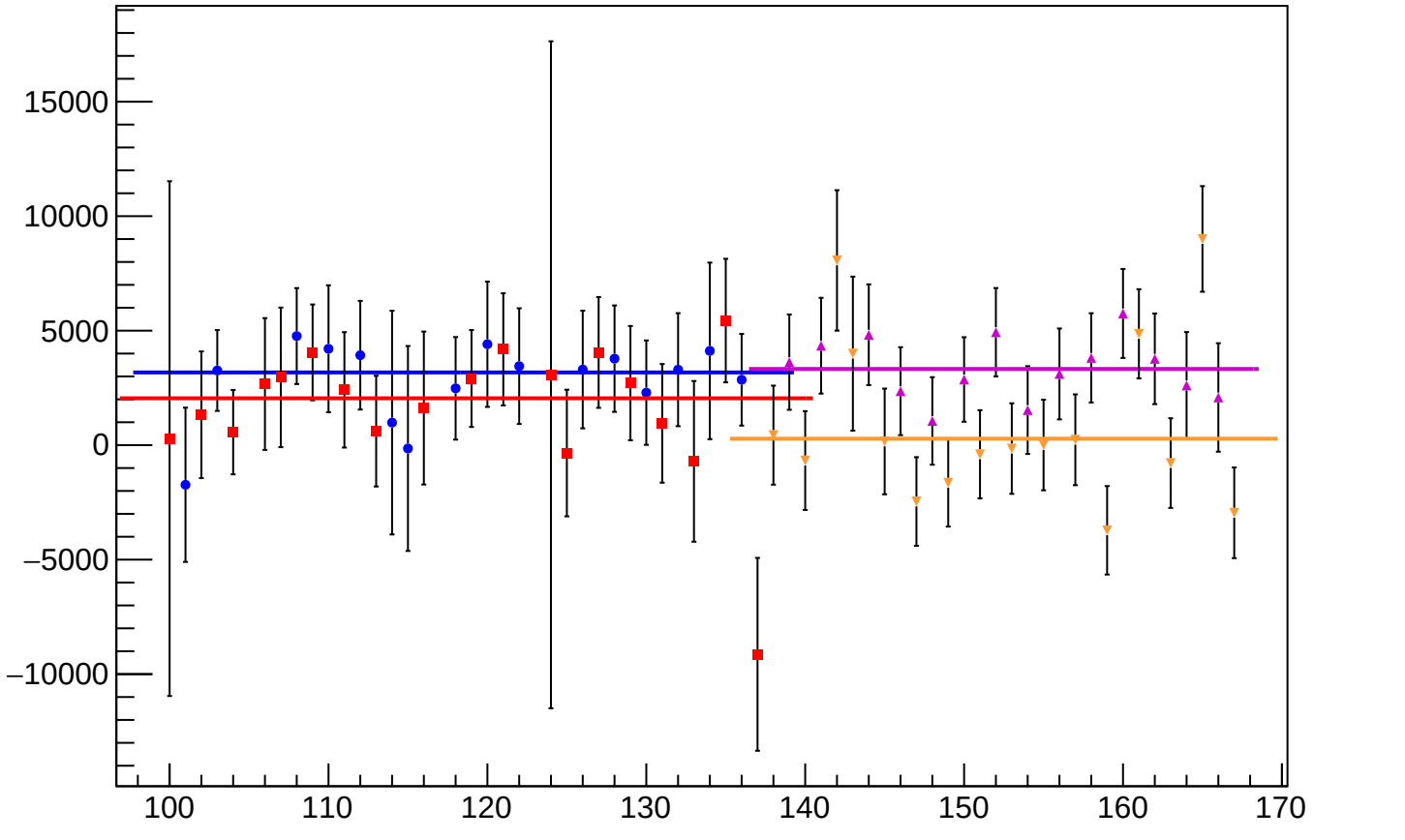
In: 1758.444+/-0.289 χ^2/NDF:547455.7/29

Out: 1770.937+/-0.284 χ^2/NDF:870762.7/34

All: 1764.808+/-0.203 χ^2/NDF: 1419169.4/64


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1791.030+/-2743.617 χ²/NDF: 14.3/15
Left Out: -254.313+/-2246.792 χ²/NDF:19.3/15
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: 2608.486+/-2641.225 χ²/NDF:8.7/13
Left: 947.571+/-1711.360 χ²/NDF: 28.7/29
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: 492.354+/-1902.797 χ²/NDF:24.4/29
Out: -739.151+/-1649.713 χ²/NDF:37.2/34
All: -210.689+/-1246.468 χ²/NDF: 61.8/64


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 7509.623+/-1.589 χ²/NDF:2579578.3/15
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8811.917+/-1.868 χ²/NDF:676287.6/13
Left: 8056.363+/-1.210 χ²/NDF: 3537959.7/29
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8049.868+/-1.345 χ²/NDF:1525684.2/29
Out: 6924.745+/-1.167 χ²/NDF:4272728.1/34
All: 7407.556+/-0.881 χ²/NDF: 6197613.2/64



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 282.964+/-525.485 χ^2/NDF:38.2/15

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3328.647+/-538.817 χ^2/NDF:6.1/13

Left: 1767.661+/-376.199 χ^2/NDF: 60.6/29

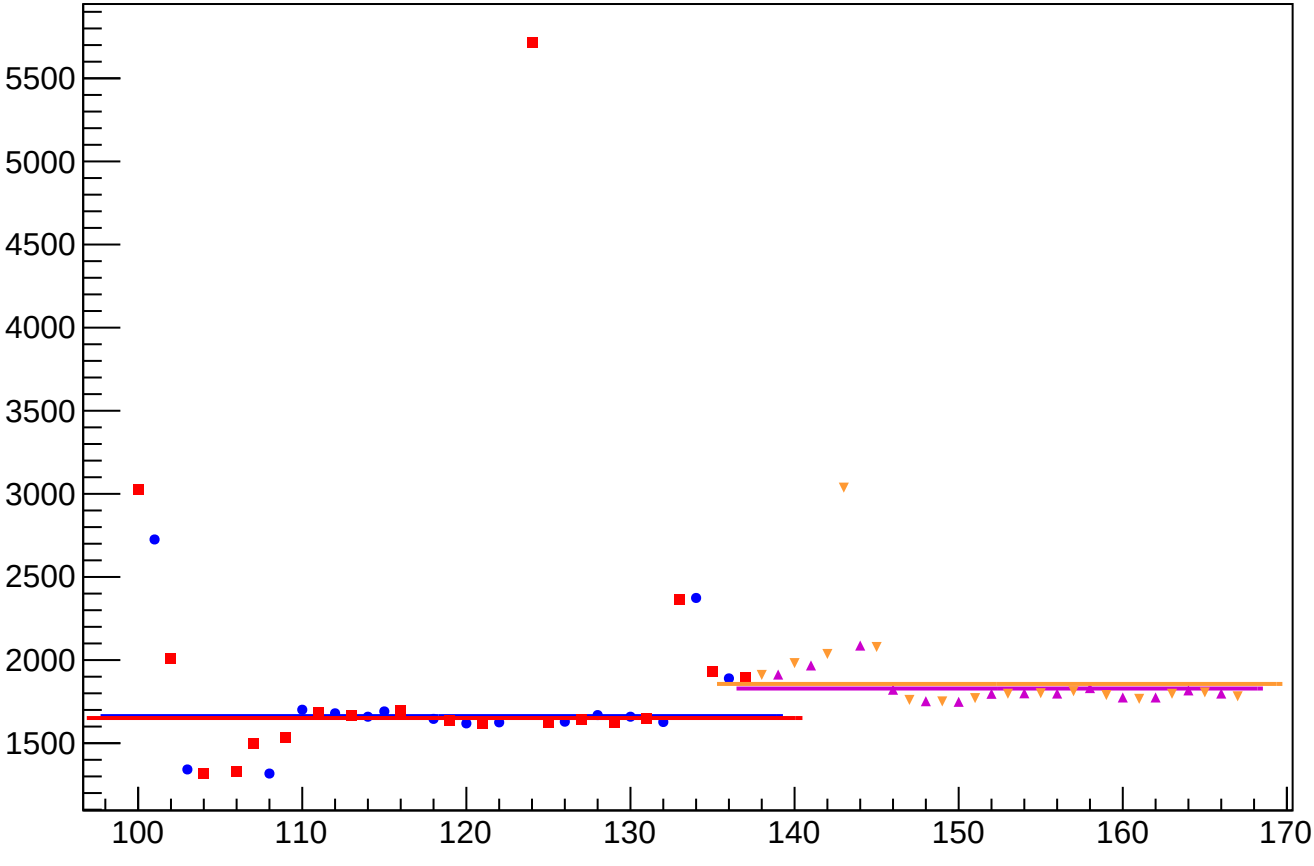
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3263.790+/-408.927 χ^2/NDF:10.4/29

Out: 1018.431+/-401.275 χ^2/NDF:56.9/34

All: 2119.905+/-286.411 χ^2/NDF: 82.7/64

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1856.449+/-0.372 χ^2/NDF:311751.5/15

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1828.779+/-0.381 χ^2/NDF:51453.1/13

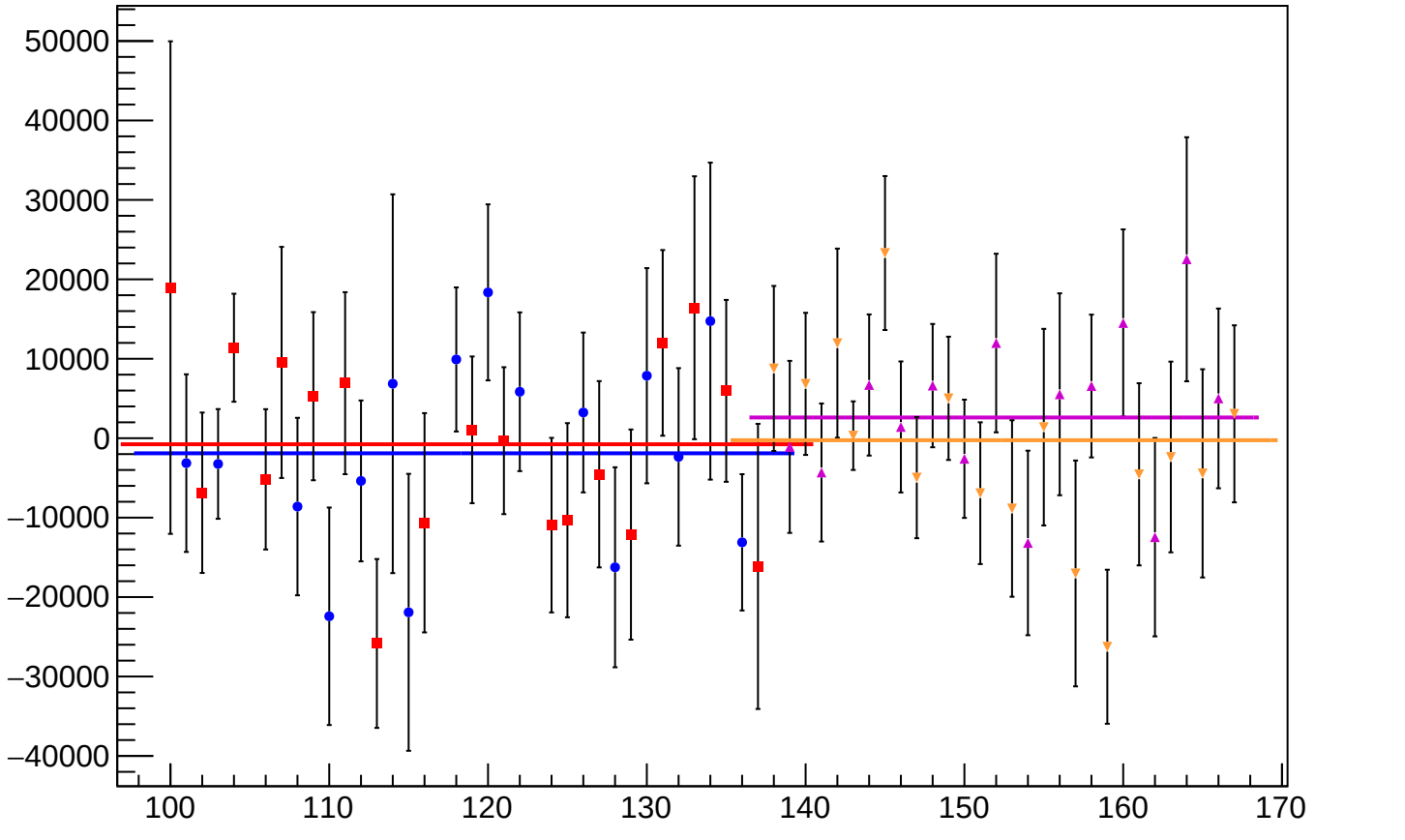
Left: 1842.960+/-0.266 χ^2/NDF: 365908.0/29

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1758.444+/-0.289 χ^2/NDF:547456.2/29

Out: 1770.937+/-0.284 χ^2/NDF:870763.0/34

All: 1764.808+/-0.203 χ^2/NDF: 1419170.2/64



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -254.400+/-2246.785 χ^2/NDF:19.3/15

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2608.623+/-2641.224 χ^2/NDF:8.7/13

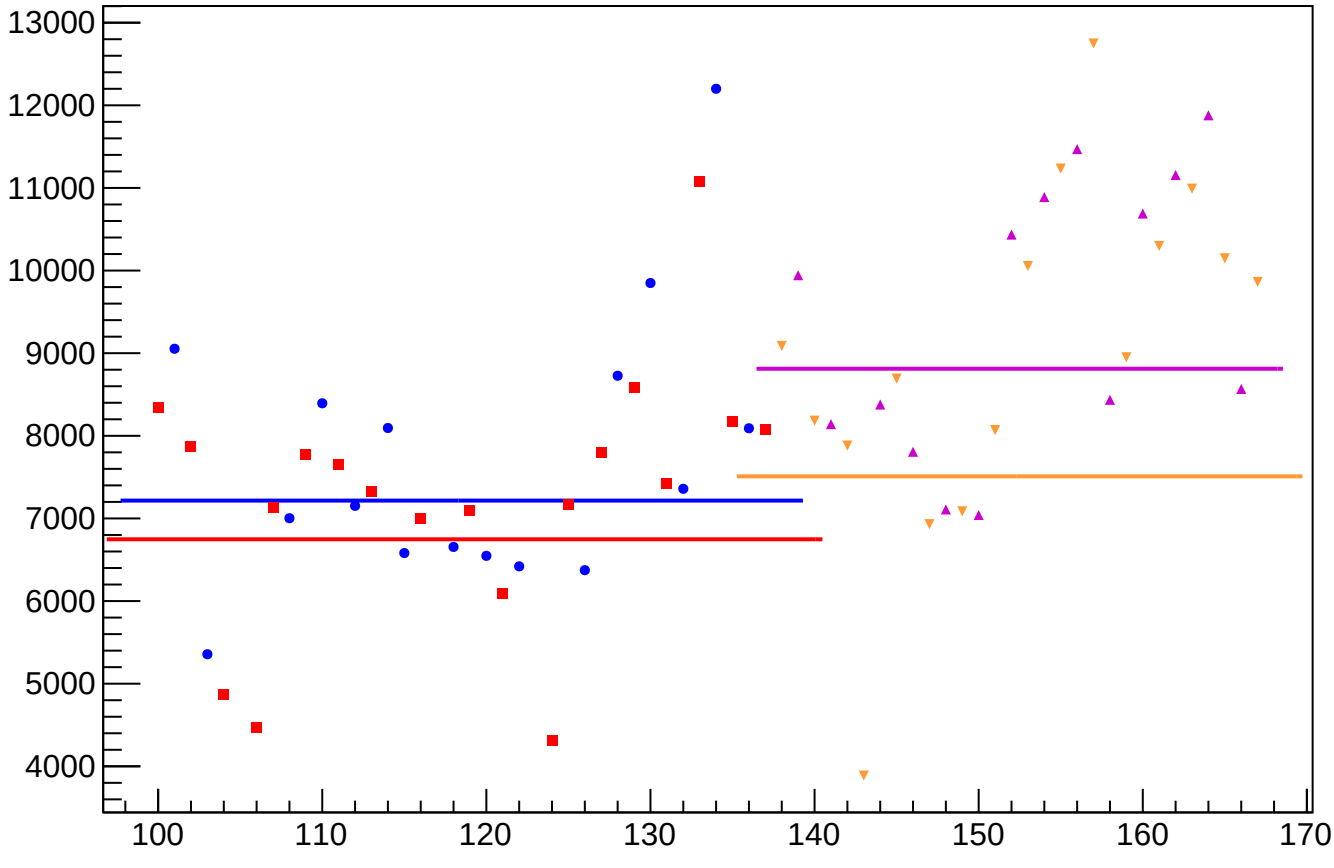
Left: 947.574+/-1711.356 χ^2/NDF: 28.7/29

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 436.945+/-1901.573 χ^2/NDF:24.5/29

Out: -476.471+/-1685.762 χ^2/NDF:36.6/34

All: -74.515+/-1261.444 χ^2/NDF: 61.3/64



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7509.588+/-1.589 χ^2/NDF:2579638.2/15

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8811.911+/-1.868 χ^2/NDF:676291.7/13

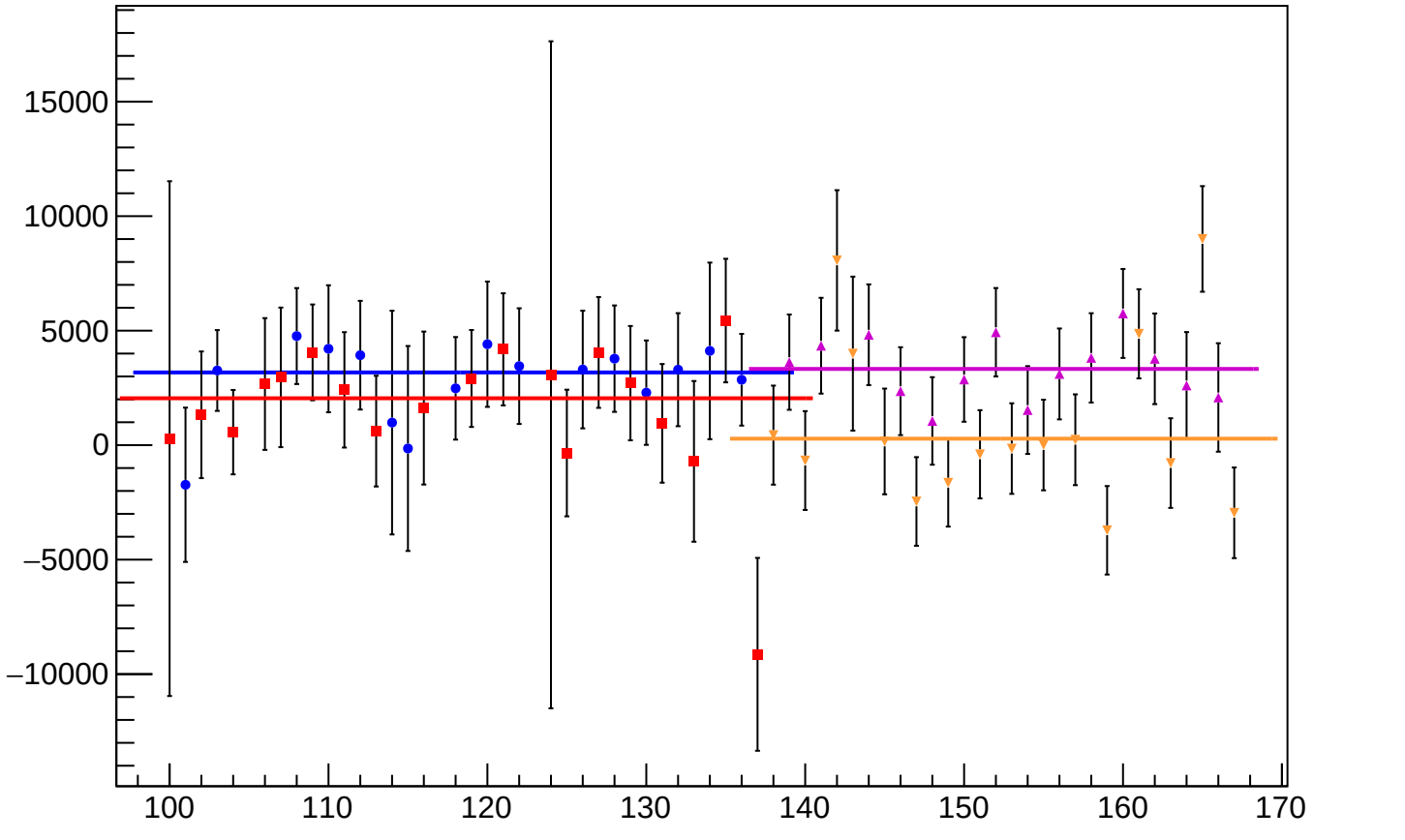
Left: 8056.339+/-1.210 χ^2/NDF: 3538037.3/29

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8043.241+/-1.345 χ^2/NDF:1540108.6/29

Out: 7176.621+/-1.192 χ^2/NDF:3388934.6/34

All: 7557.983+/-0.892 χ^2/NDF: 5161640.5/64



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 282.964+/-525.485 χ^2/NDF:38.2/15

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3328.647+/-538.817 χ^2/NDF:6.1/13

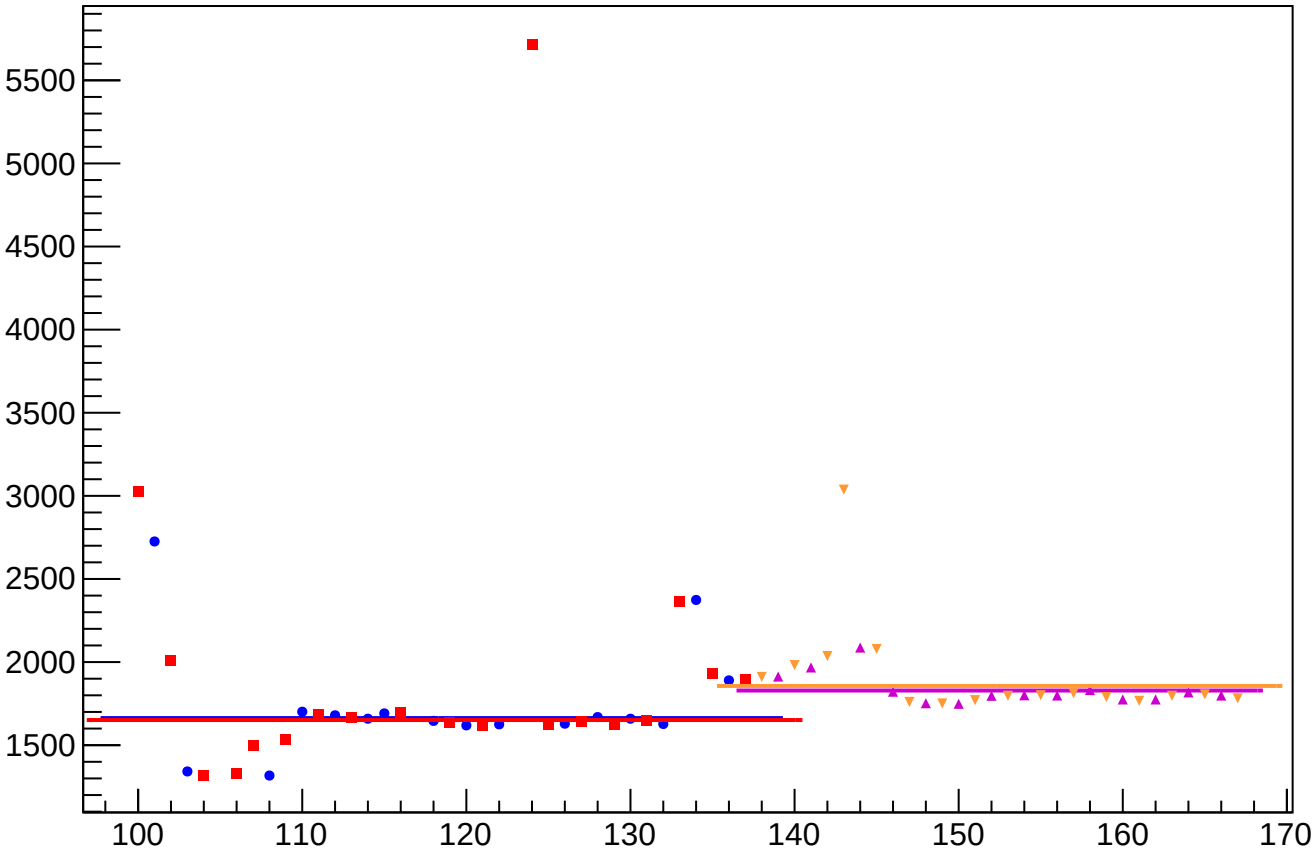
Left: 1767.661+/-376.199 χ^2/NDF: 60.6/29

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3263.790+/-408.927 χ^2/NDF:10.4/29

Out: 1018.431+/-401.275 χ^2/NDF:56.9/34

All: 2119.905+/-286.411 χ^2/NDF: 82.7/64



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1856.449+/-0.372 χ^2/NDF:311751.5/15

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1828.779+/-0.381 χ^2/NDF:51453.1/13

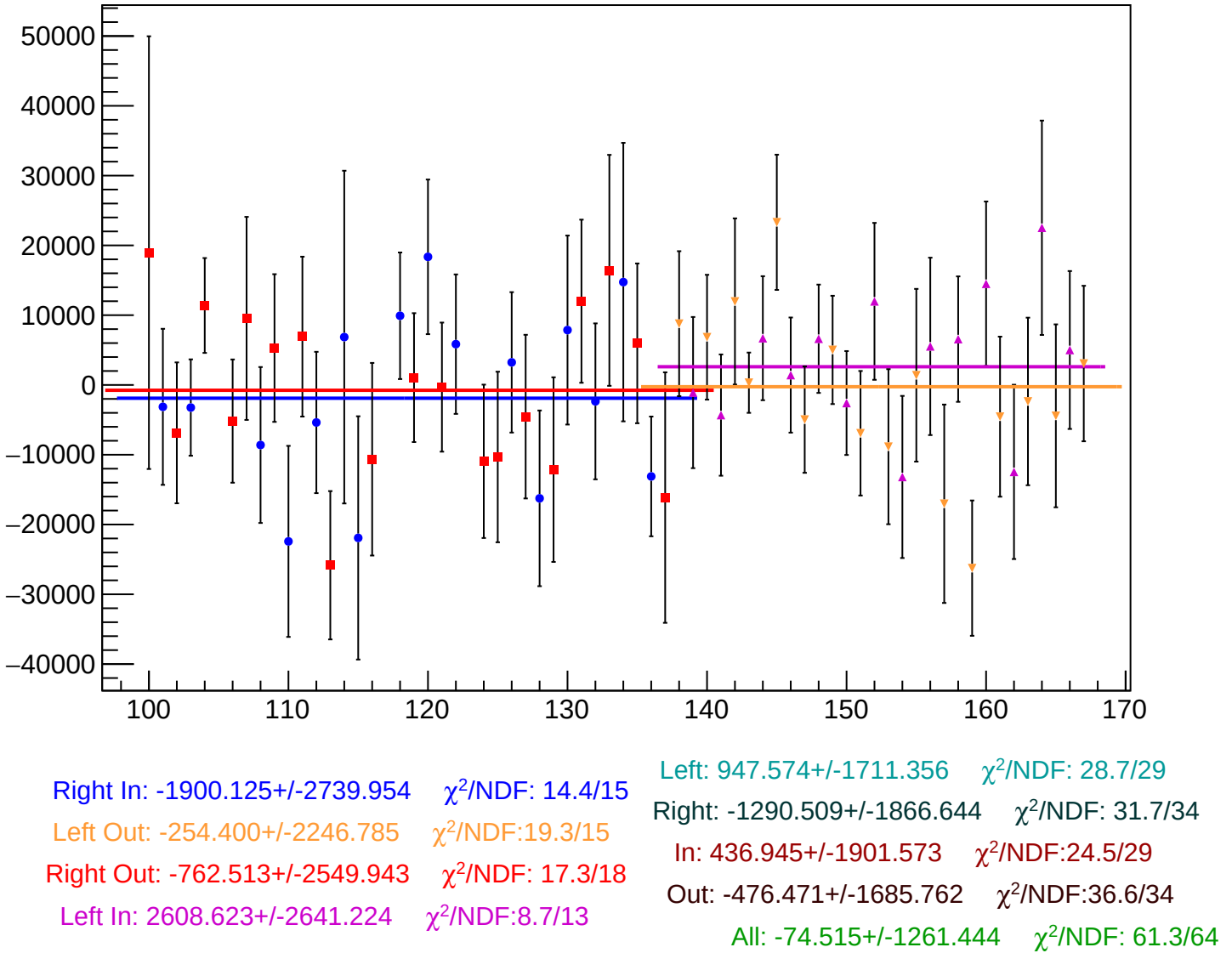
Left: 1842.960+/-0.266 χ^2/NDF: 365908.0/29

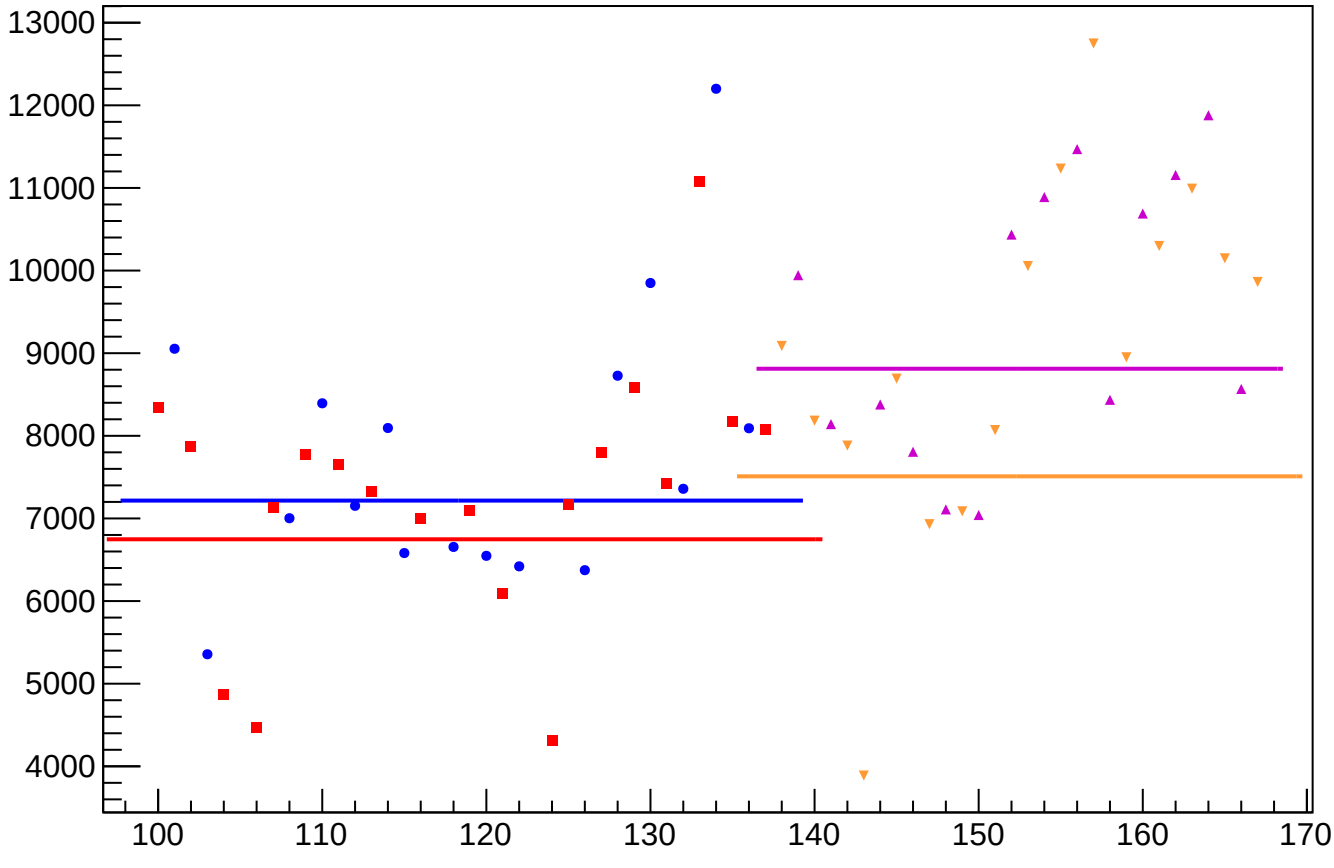
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1758.444+/-0.289 χ^2/NDF:547456.2/29

Out: 1770.937+/-0.284 χ^2/NDF:870763.0/34

All: 1764.808+/-0.203 χ^2/NDF: 1419170.2/64


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: -254.400+/-2246.785 χ²/NDF:19.3/15
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 2608.623+/-2641.224 χ²/NDF:8.7/13
Left: 947.574+/-1711.356 χ²/NDF: 28.7/29
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: 436.945+/-1901.573 χ²/NDF:24.5/29
Out: -476.471+/-1685.762 χ²/NDF:36.6/34
All: -74.515+/-1261.444 χ²/NDF: 61.3/64



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7509.588+/-1.589 χ^2/NDF:2579638.2/15

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8811.911+/-1.868 χ^2/NDF:676291.7/13

Left: 8056.339+/-1.210 χ^2/NDF: 3538037.3/29

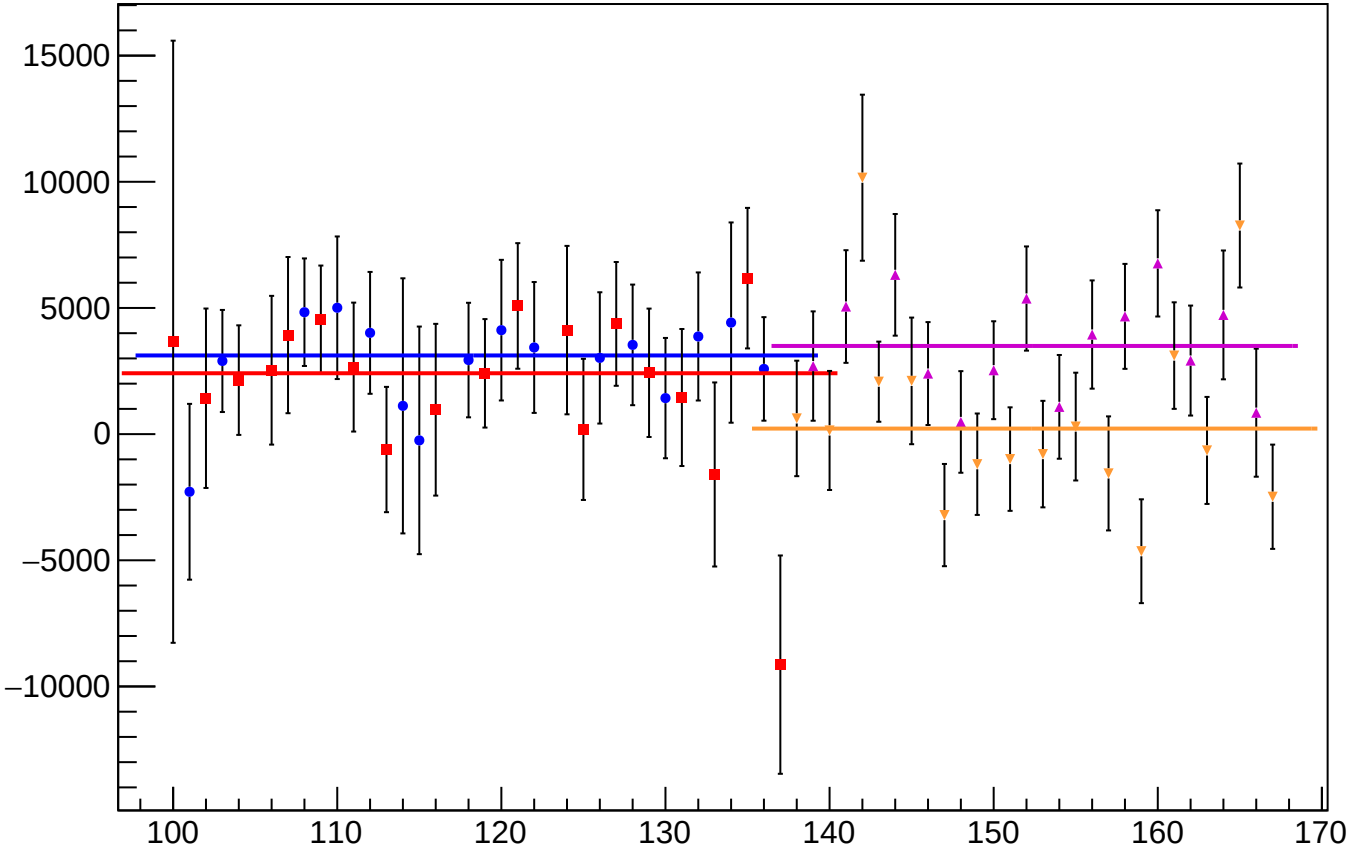
Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8043.241+/-1.345 χ^2/NDF:1540108.6/29

Out: 7176.621+/-1.192 χ^2/NDF:3388934.6/34

All: 7557.983+/-0.892 χ^2/NDF: 5161640.5/64

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 219.526+/-536.838 χ^2/NDF:35.7/15

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3494.434+/-577.006 χ^2/NDF:11.1/13

Left: 1739.033+/-393.036 χ^2/NDF: 64.1/29

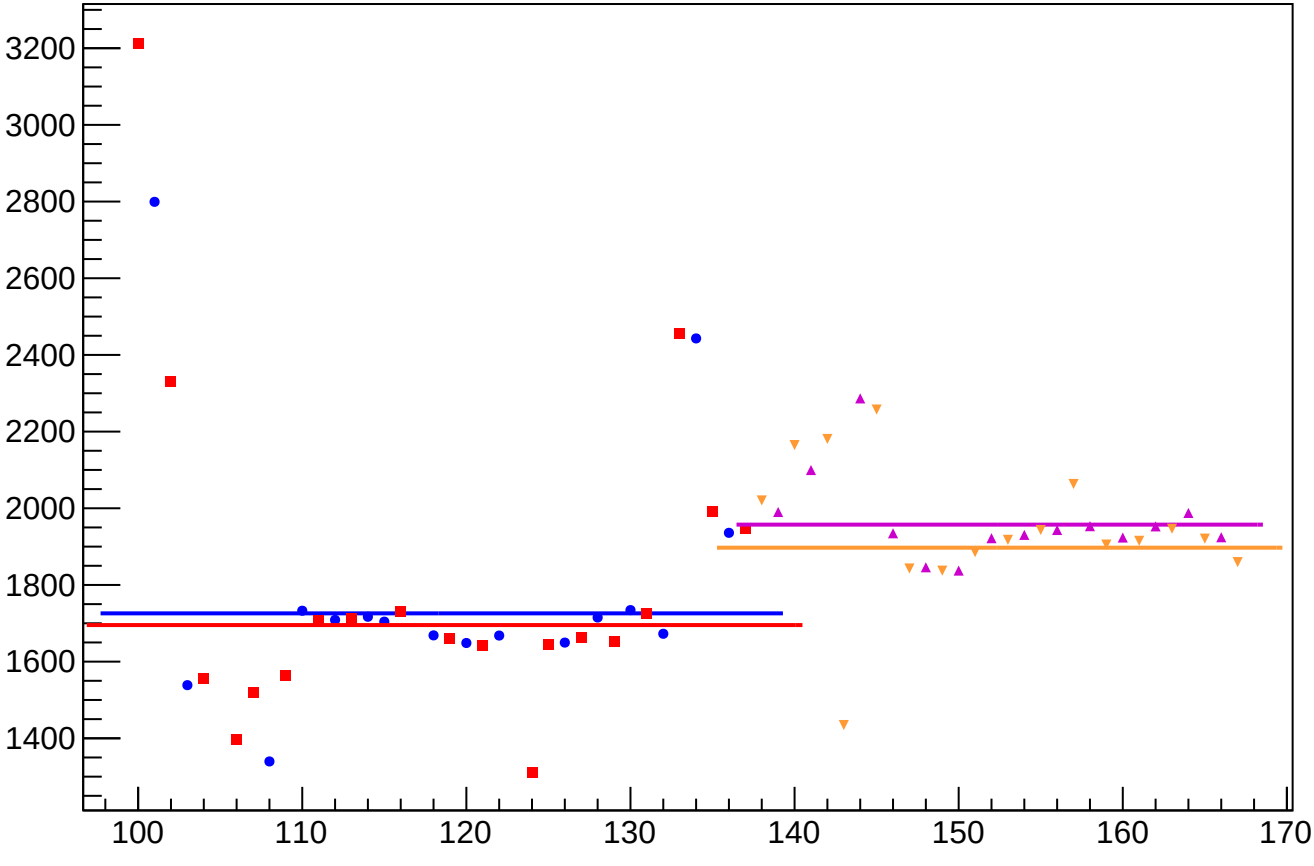
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3328.797+/-431.841 χ^2/NDF:16.6/29

Out: 1126.865+/-411.040 χ^2/NDF:58.6/34

All: 2173.524+/-297.731 χ^2/NDF: 88.9/64

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1897.213+/-0.380 χ^2/NDF:274710.7/15

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1957.345+/-0.408 χ^2/NDF:62073.8/13

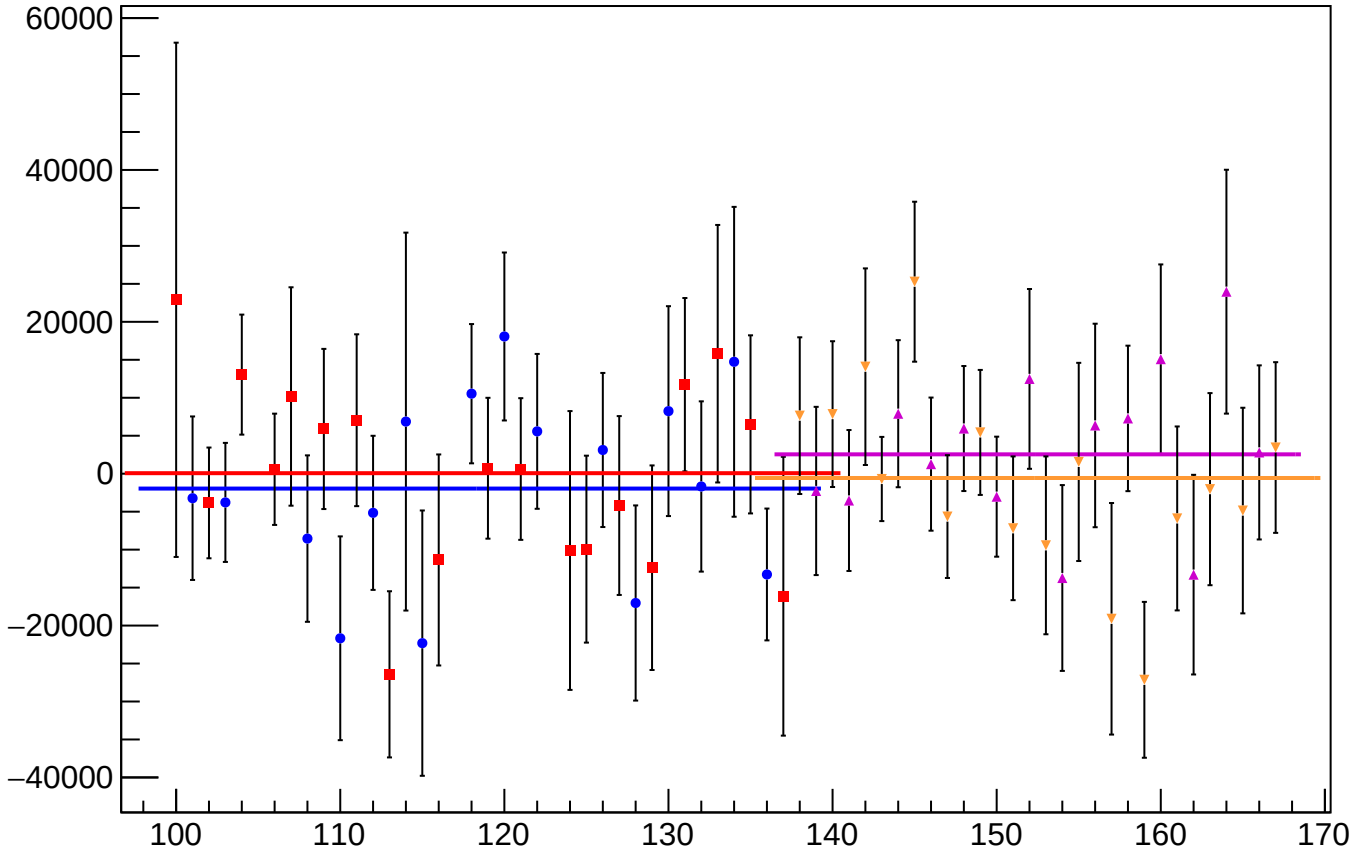
Left: 1925.113+/-0.278 χ^2/NDF: 348427.4/29

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1855.543+/-0.305 χ^2/NDF:569243.8/29

Out: 1813.670+/-0.291 χ^2/NDF:677343.4/34

All: 1833.571+/-0.211 χ^2/NDF: 1256454.5/64



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -566.468+/-2481.551 χ^2/NDF:19.3/15

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 2549.194+/-2793.129 χ^2/NDF:8.7/13

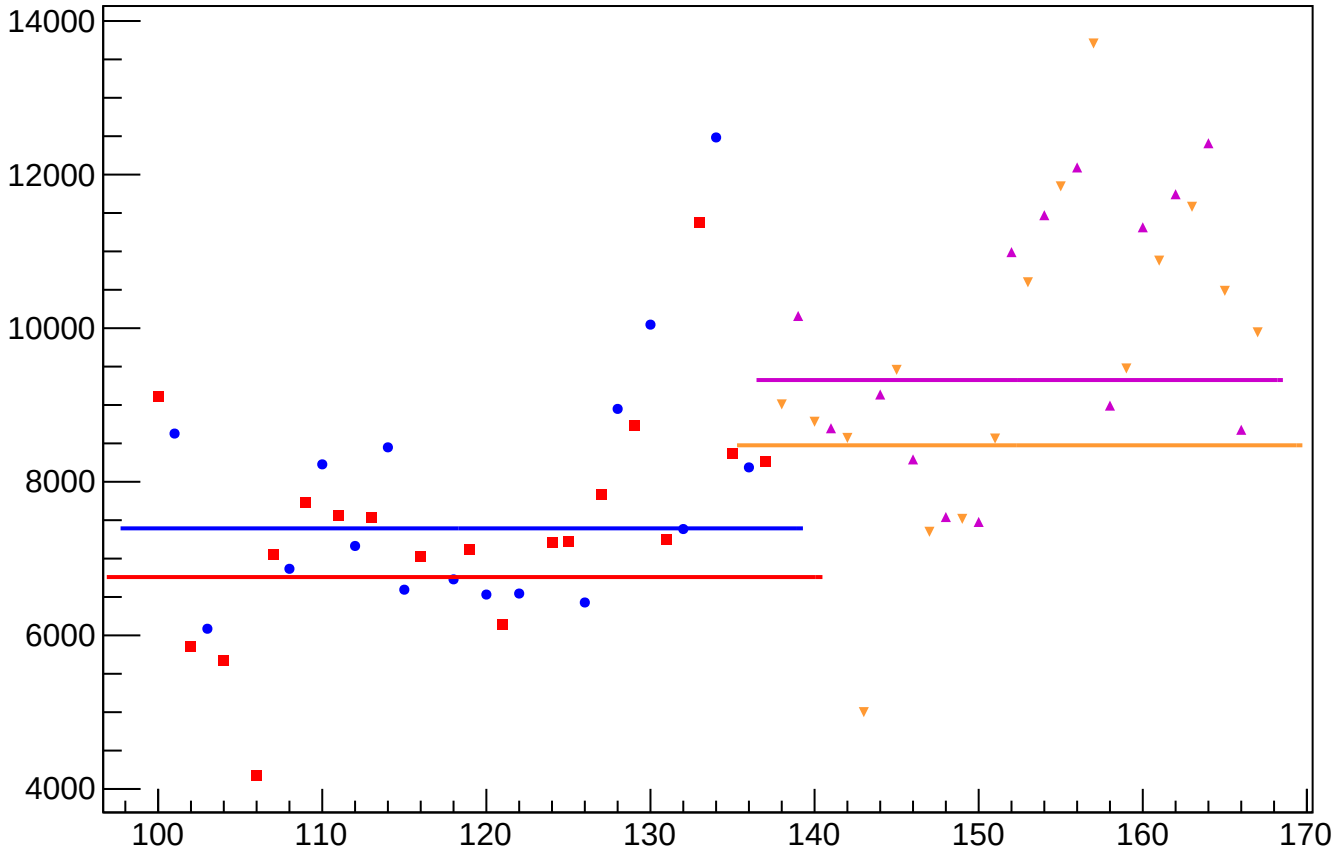
Left: 807.959+/-1855.140 χ^2/NDF: 28.7/29

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: 299.493+/-1976.869 χ^2/NDF:24.3/29

Out: -255.231+/-1771.440 χ^2/NDF:35.5/34

All: -8.180+/-1319.267 χ^2/NDF: 59.9/64



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8475.105+/-1.755 χ^2/NDF:1608174.3/15

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9324.867+/-1.975 χ^2/NDF:639898.2/13

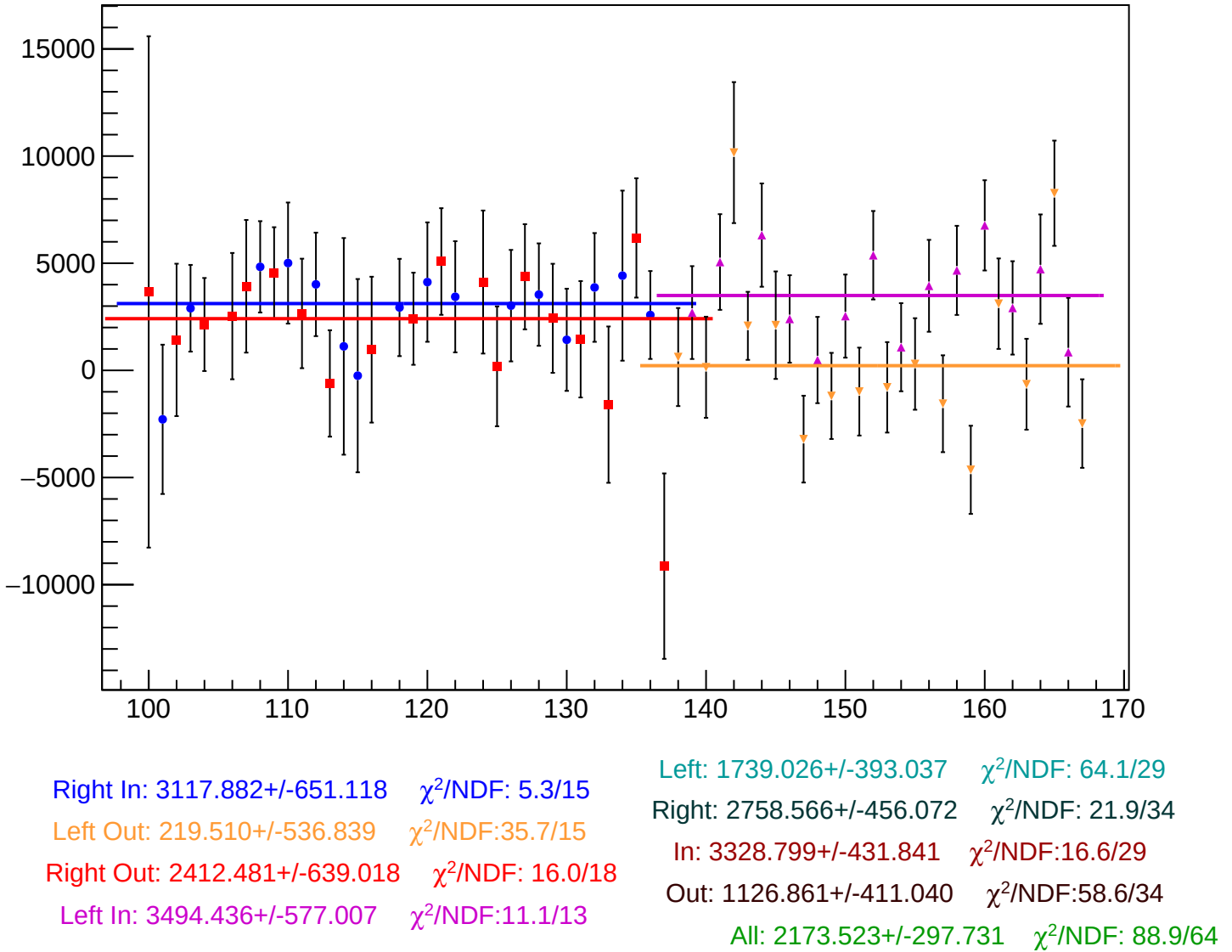
Left: 8849.965+/-1.312 χ^2/NDF: 2351526.9/29

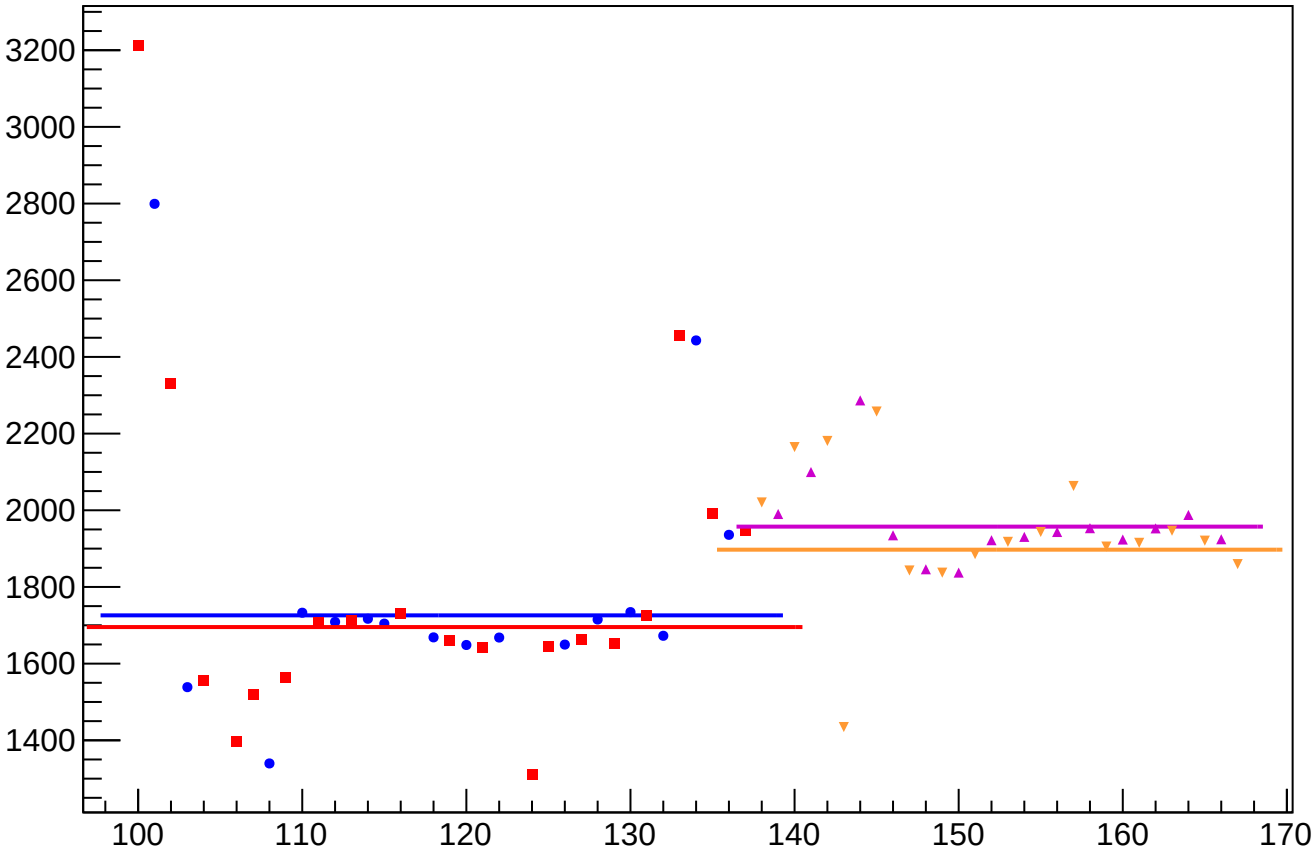
Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8361.034+/-1.398 χ^2/NDF:1518910.4/29

Out: 7633.691+/-1.253 χ^2/NDF:2721310.1/34

All: 7957.619+/-0.933 χ^2/NDF: 4390384.3/64


eigen_dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 3117.882+/-651.118 χ²/NDF: 5.3/15
Left Out: 219.510+/-536.839 χ²/NDF:35.7/15
Right Out: 2412.481+/-639.018 χ²/NDF: 16.0/18
Left In: 3494.436+/-577.007 χ²/NDF:11.1/13
Left: 1739.026+/-393.037 χ²/NDF: 64.1/29
Right: 2758.566+/-456.072 χ²/NDF: 21.9/34
In: 3328.799+/-431.841 χ²/NDF:16.6/29
Out: 1126.861+/-411.040 χ²/NDF:58.6/34
All: 2173.523+/-297.731 χ²/NDF: 88.9/64



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1897.216+/-0.380 χ^2/NDF:274712.0/15

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1957.349+/-0.408 χ^2/NDF:62074.2/13

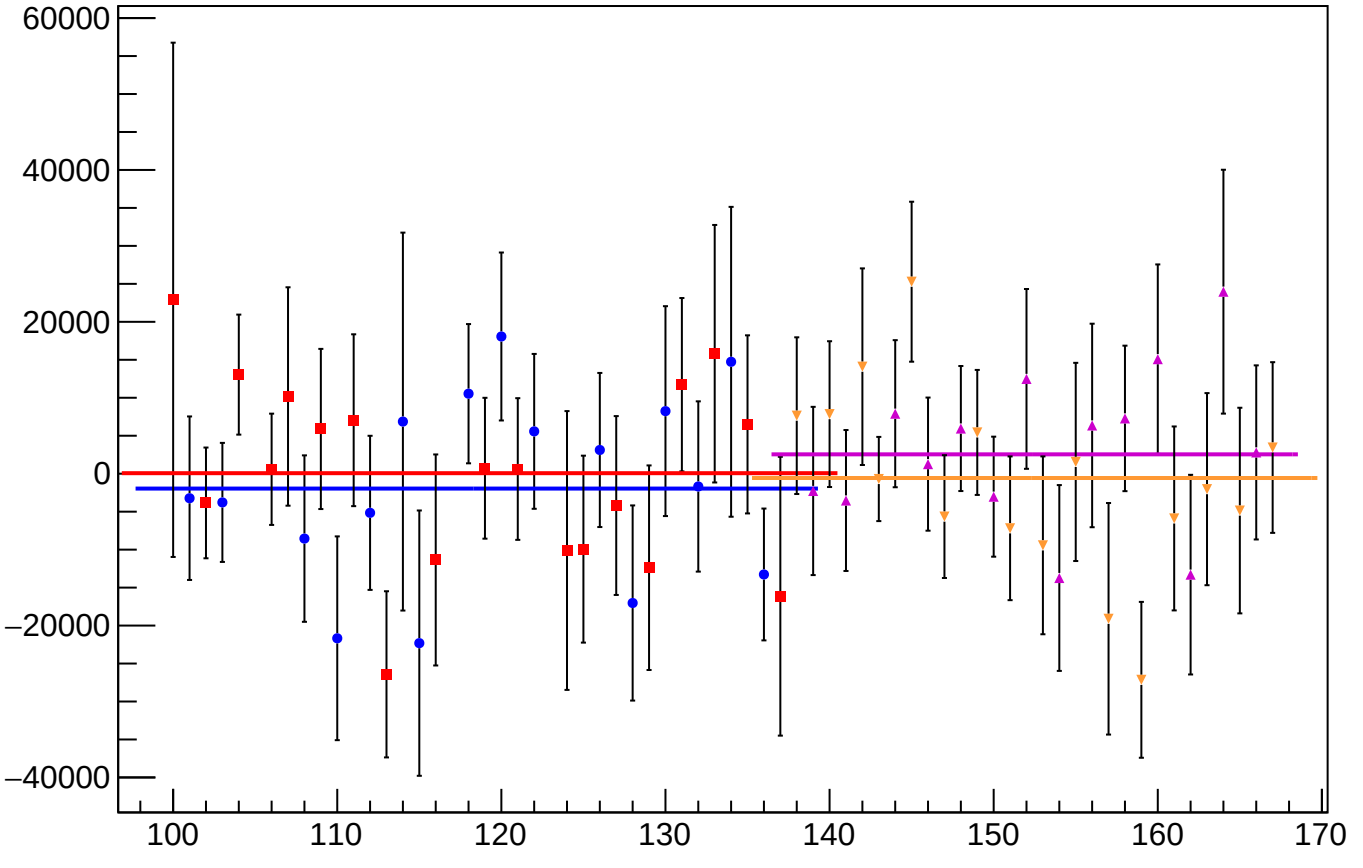
Left: 1925.117+/-0.278 χ^2/NDF: 348429.3/29

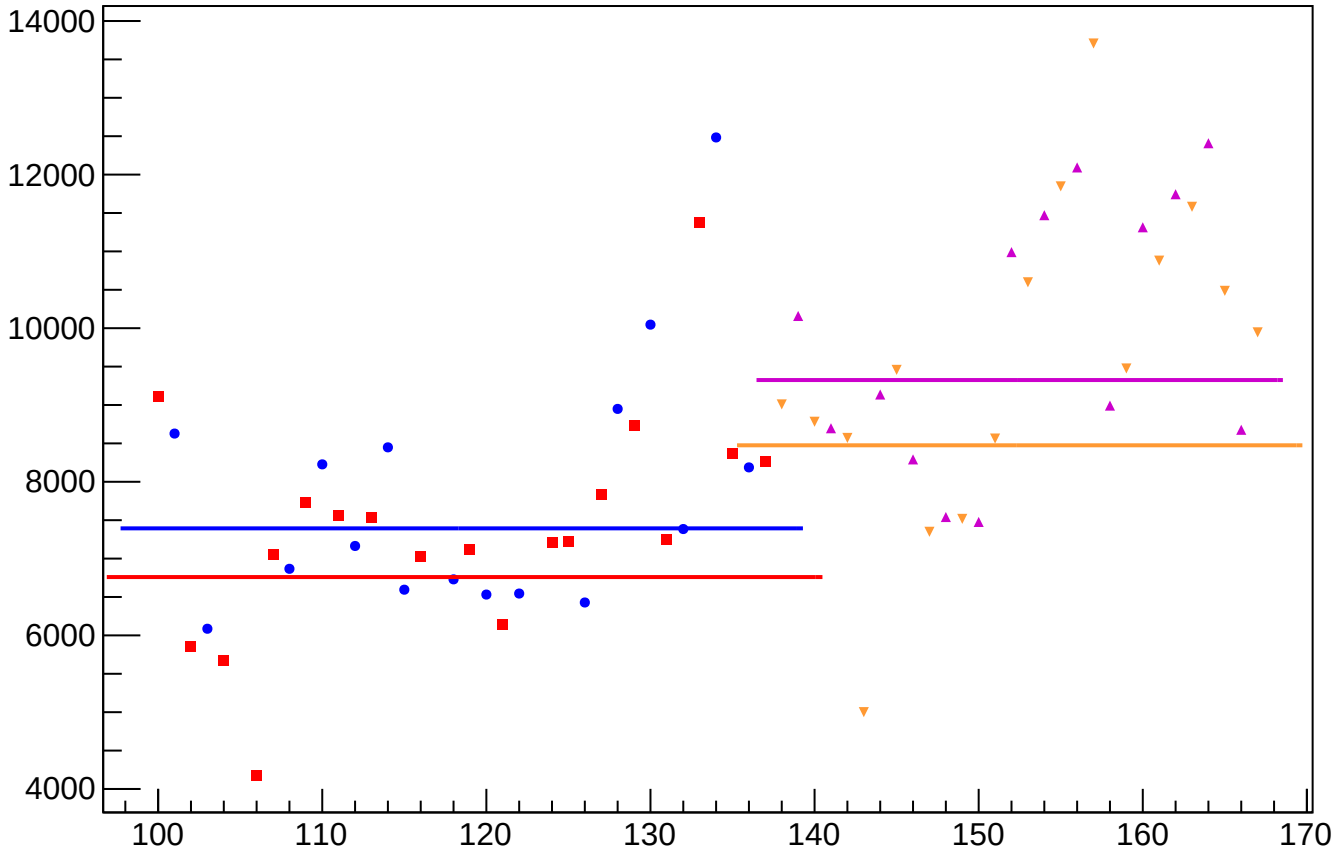
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1855.545+/-0.305 χ^2/NDF:569249.2/29

Out: 1813.672+/-0.291 χ^2/NDF:677349.2/34

All: 1833.573+/-0.211 χ^2/NDF: 1256465.6/64


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: -566.478+/-2481.555 χ²/NDF:19.3/15
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 2549.192+/-2793.133 χ²/NDF:8.7/13
Left: 807.953+/-1855.143 χ²/NDF: 28.7/29
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: 299.494+/-1976.868 χ²/NDF:24.3/29
Out: -255.232+/-1771.440 χ²/NDF:35.5/34
All: -8.180+/-1319.267 χ²/NDF: 59.9/64



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8475.119+/-1.755 χ^2/NDF:1608175.3/15

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9324.880+/-1.975 χ^2/NDF:639899.6/13

Left: 8849.978+/-1.312 χ^2/NDF: 2351529.1/29

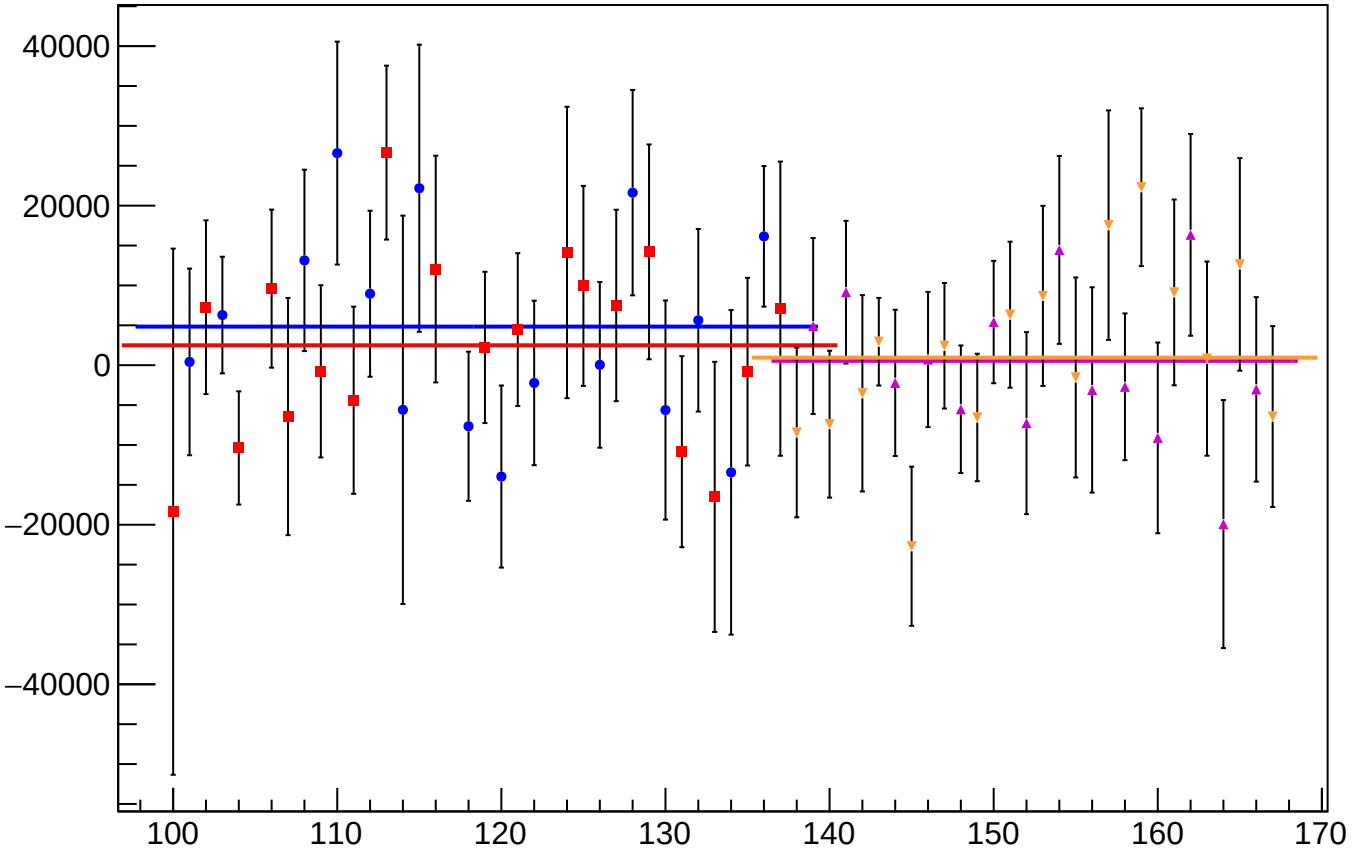
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8361.028+/-1.398 χ^2/NDF:1518929.8/29

Out: 7633.687+/-1.253 χ^2/NDF:2721325.5/34

All: 7957.615+/-0.933 χ^2/NDF: 4390418.2/64

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 948.377+/-2418.148 χ^2/NDF:16.9/15

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 547.886+/-2703.644 χ^2/NDF:8.3/13

Left: 770.387+/-1802.403 χ^2/NDF: 25.2/29

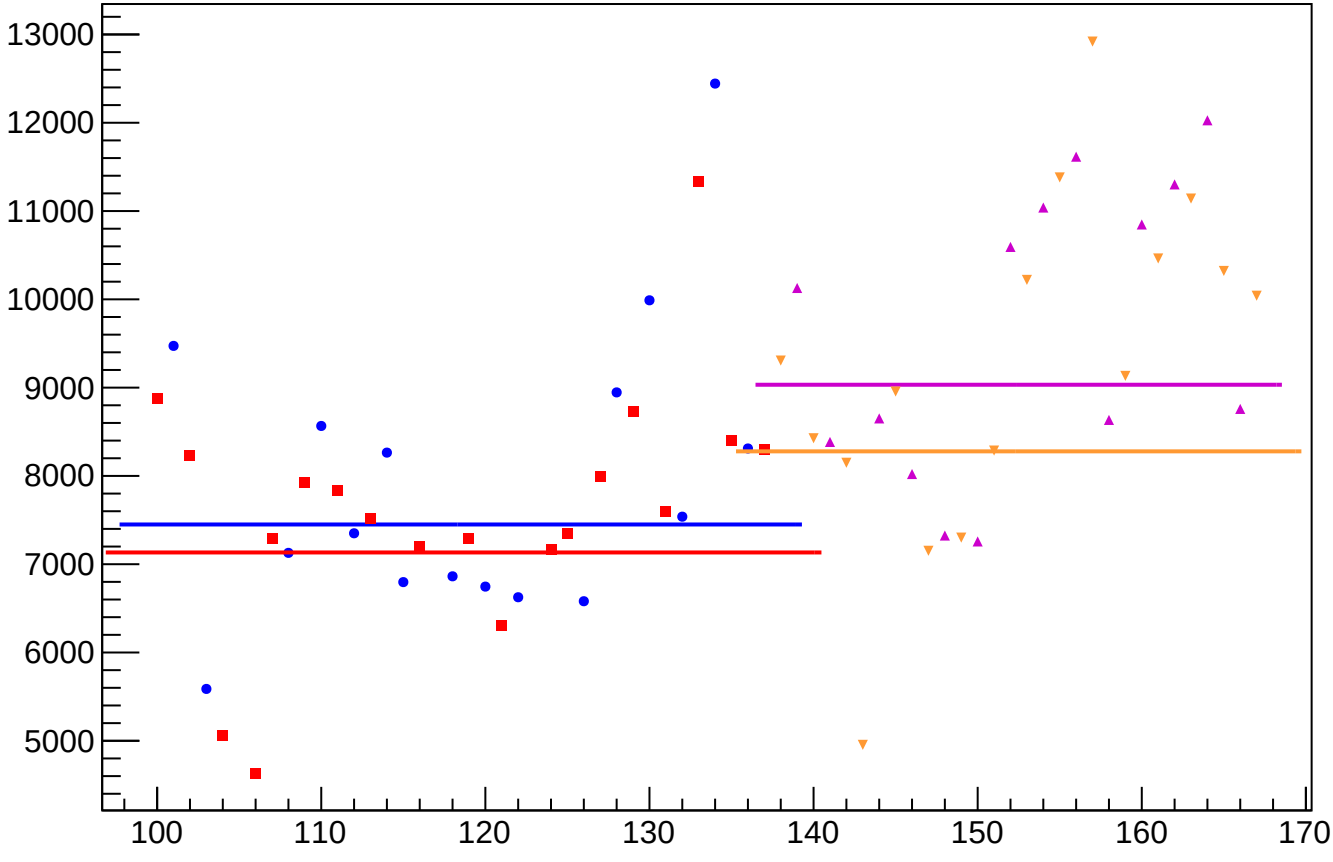
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 2595.766+/-1954.552 χ^2/NDF:23.8/29

Out: 1638.417+/-1799.993 χ^2/NDF:32.0/34

All: 2077.748+/-1324.061 χ^2/NDF: 56.0/64

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8278.260+/-1.710 χ^2/NDF:1513982.3/15

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9032.613+/-1.912 χ^2/NDF:626228.3/13

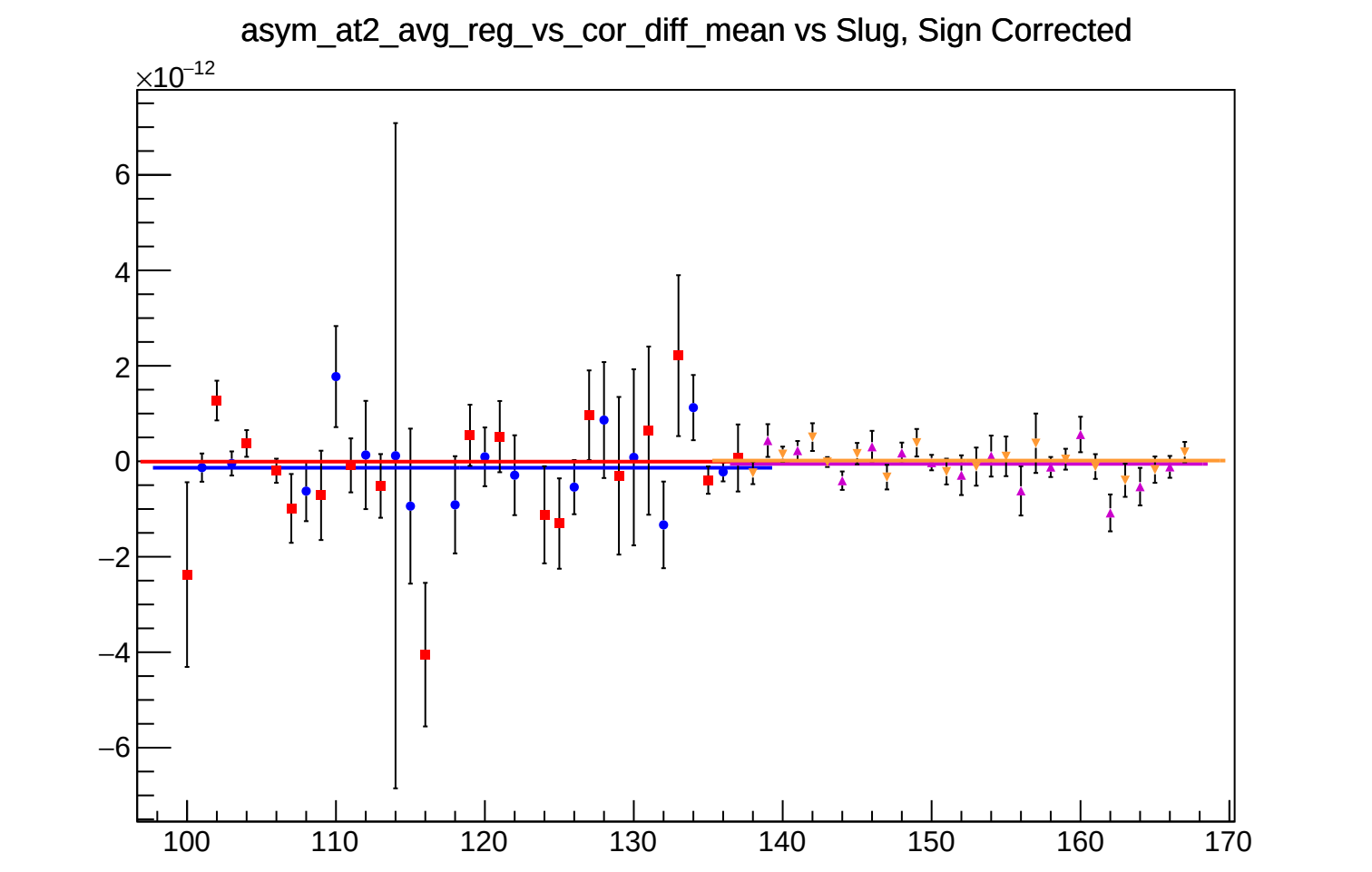
Left: 8613.518+/-1.274 χ^2/NDF: 2226711.0/29

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8277.110+/-1.382 χ^2/NDF:1439805.6/29

Out: 7767.582+/-1.273 χ^2/NDF:2270994.8/34

All: 8001.399+/-0.936 χ^2/NDF: 3784346.5/64



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:22.7/13

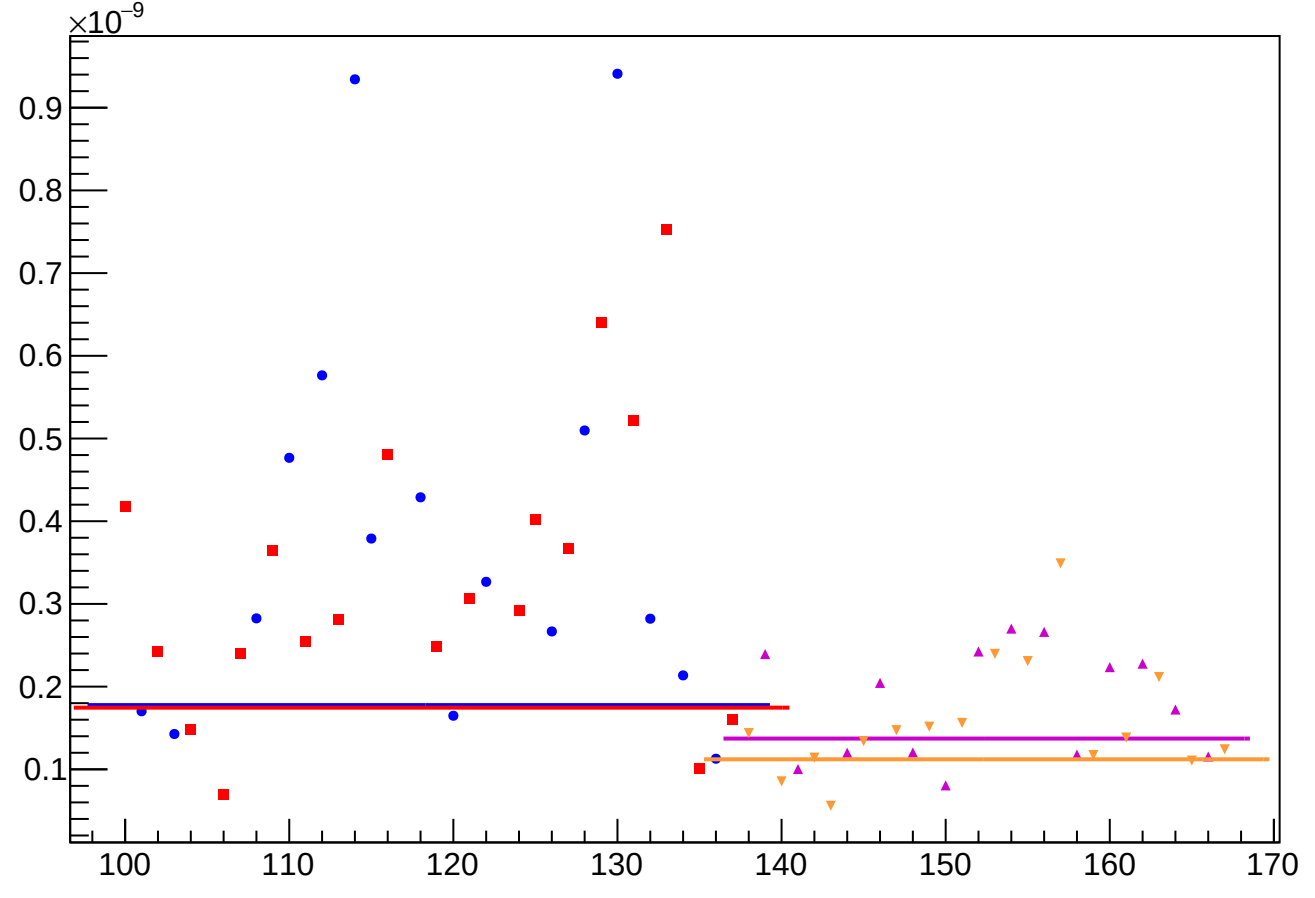
Left: -0.000+/-0.000 χ^2/NDF: 36.1/29

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:34.6/29

Out: 0.000+/-0.000 χ^2/NDF:45.6/34

All: -0.000+/-0.000 χ^2/NDF: 81.4/64



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1678878.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1311494.4/13

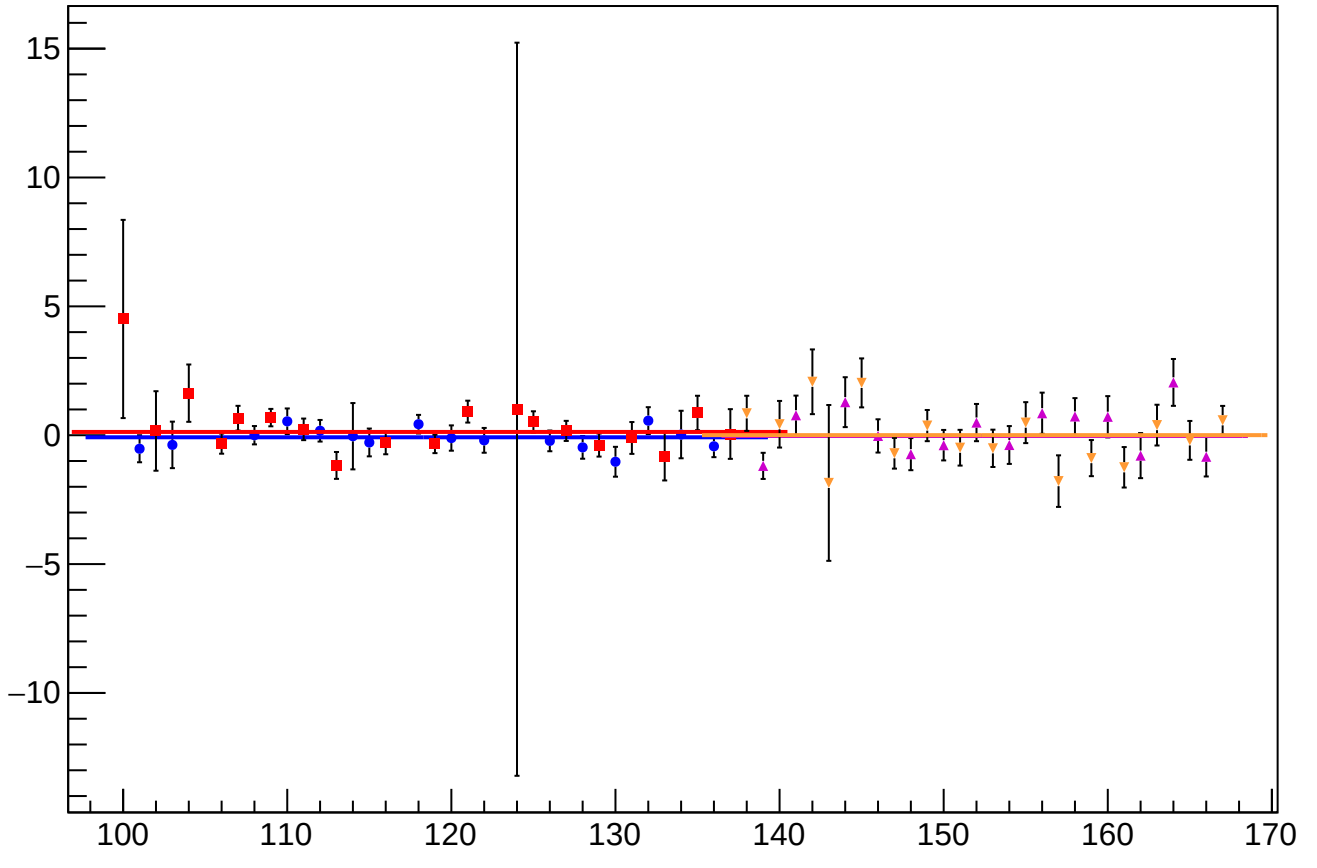
Left: 0.000+/-0.000 χ^2/NDF: 3147406.4/29

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:3011782.8/29

Out: 0.000+/-0.000 χ^2/NDF:3746999.6/34

All: 0.000+/-0.000 χ^2/NDF: 6952009.0/64



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.003+/-0.190 χ^2/NDF:21.2/15

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.030+/-0.190 χ^2/NDF:20.9/13

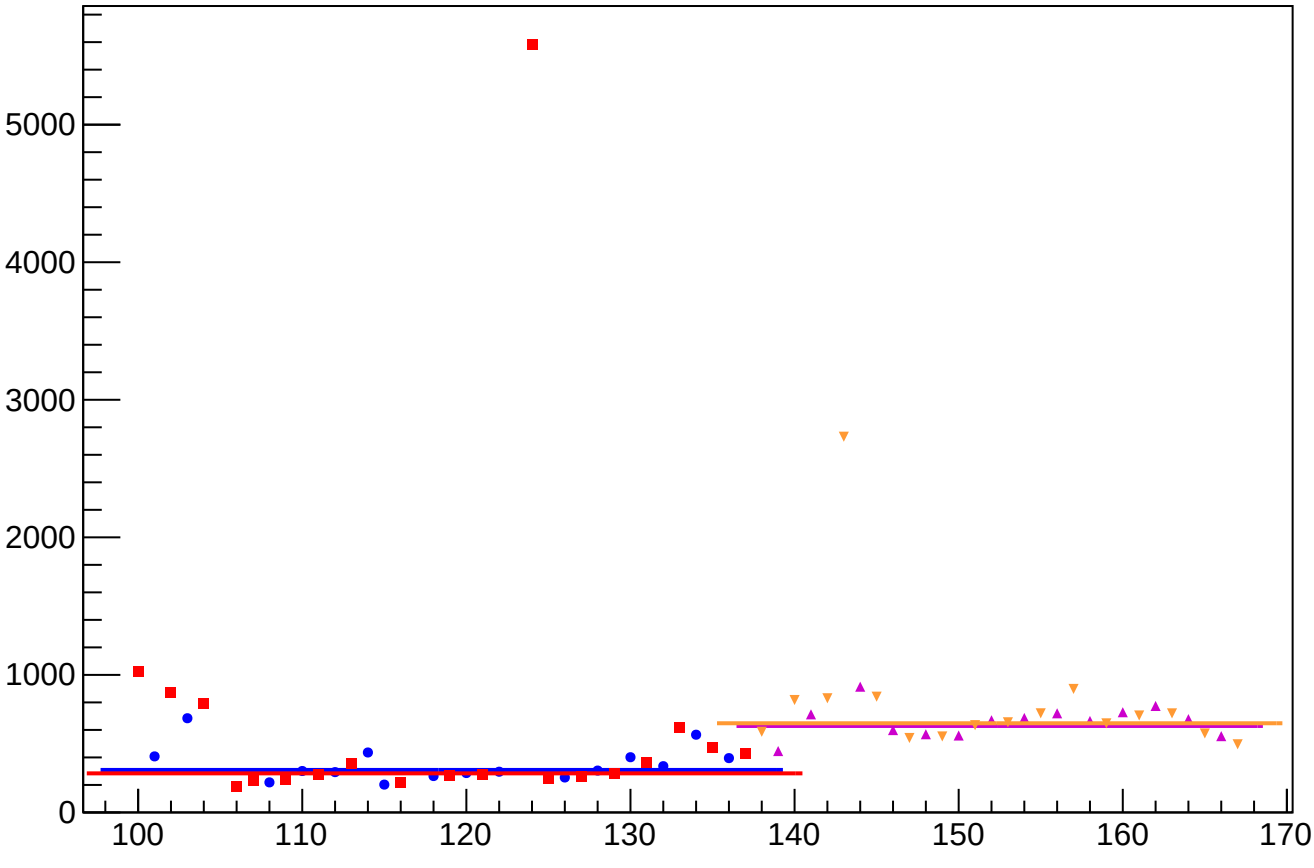
Left: -0.014+/-0.135 χ^2/NDF: 42.1/29

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.066+/-0.103 χ^2/NDF:31.7/29

Out: 0.094+/-0.100 χ^2/NDF:46.8/34

All: 0.016+/-0.071 χ^2/NDF: 79.7/64



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 648.408+/-0.135 χ^2/NDF:1612763.3/15

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 628.810+/-0.135 χ^2/NDF:669990.6/13

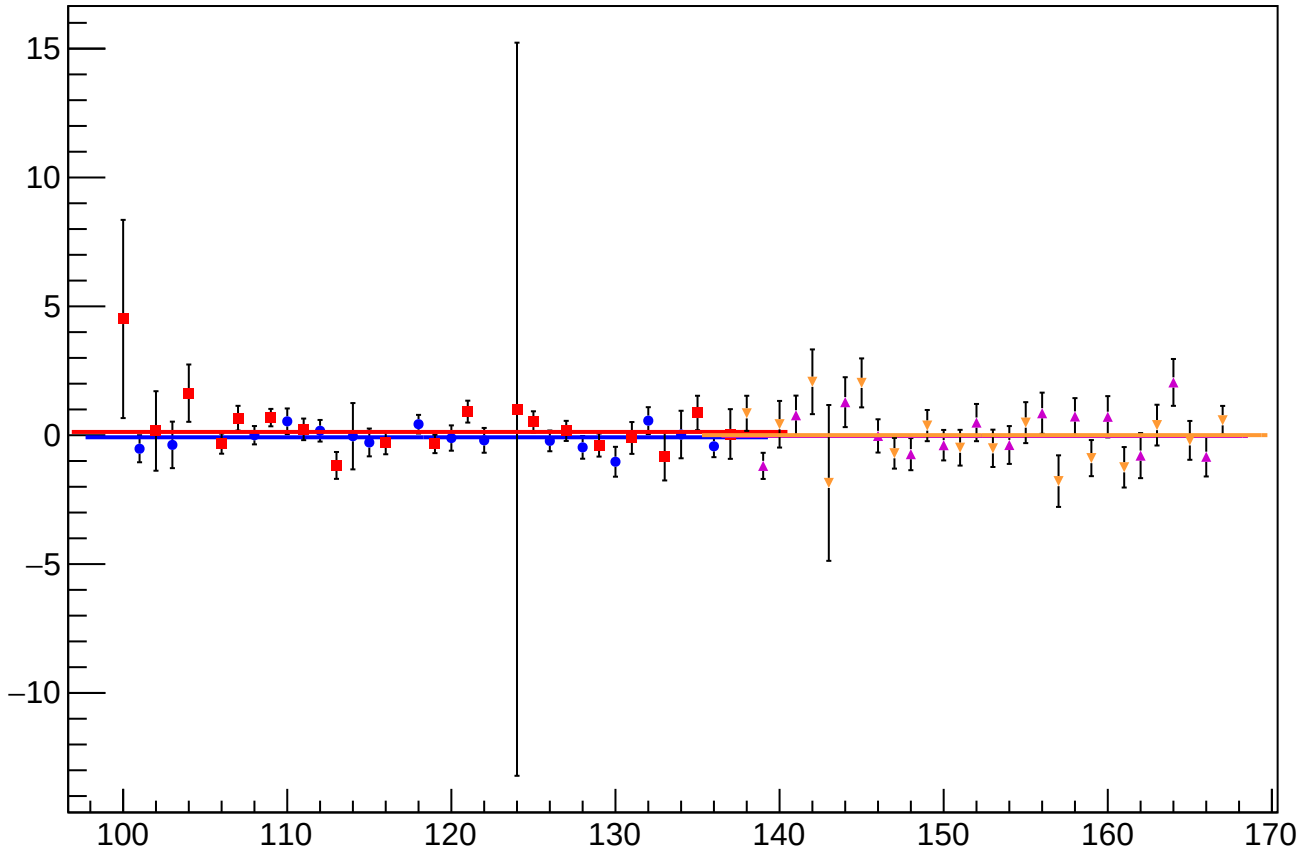
Left: 638.599+/-0.095 χ^2/NDF: 2293350.0/29

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 402.080+/-0.073 χ^2/NDF:5688197.9/29

Out: 383.852+/-0.070 χ^2/NDF:8780745.4/34

All: 392.697+/-0.051 χ^2/NDF: 14501423.3/64



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.003+/-0.190 χ^2/NDF:21.2/15

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.030+/-0.190 χ^2/NDF:20.9/13

Left: -0.014+/-0.135 χ^2/NDF: 42.1/29

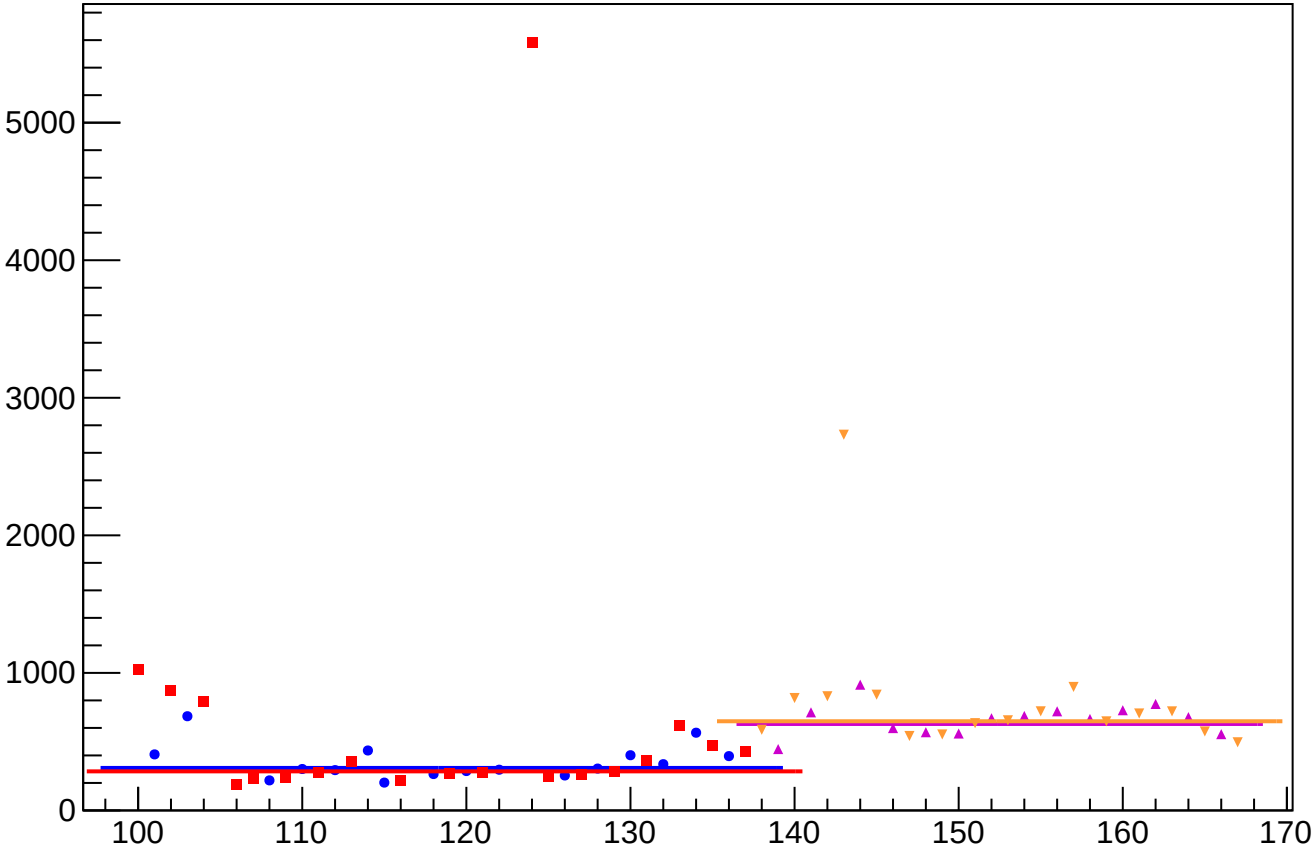
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.066+/-0.103 χ^2/NDF:31.7/29

Out: 0.094+/-0.100 χ^2/NDF:46.8/34

All: 0.016+/-0.071 χ^2/NDF: 79.7/64

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 648.408+/-0.135 χ^2/NDF:1612763.3/15

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 628.810+/-0.135 χ^2/NDF:669990.6/13

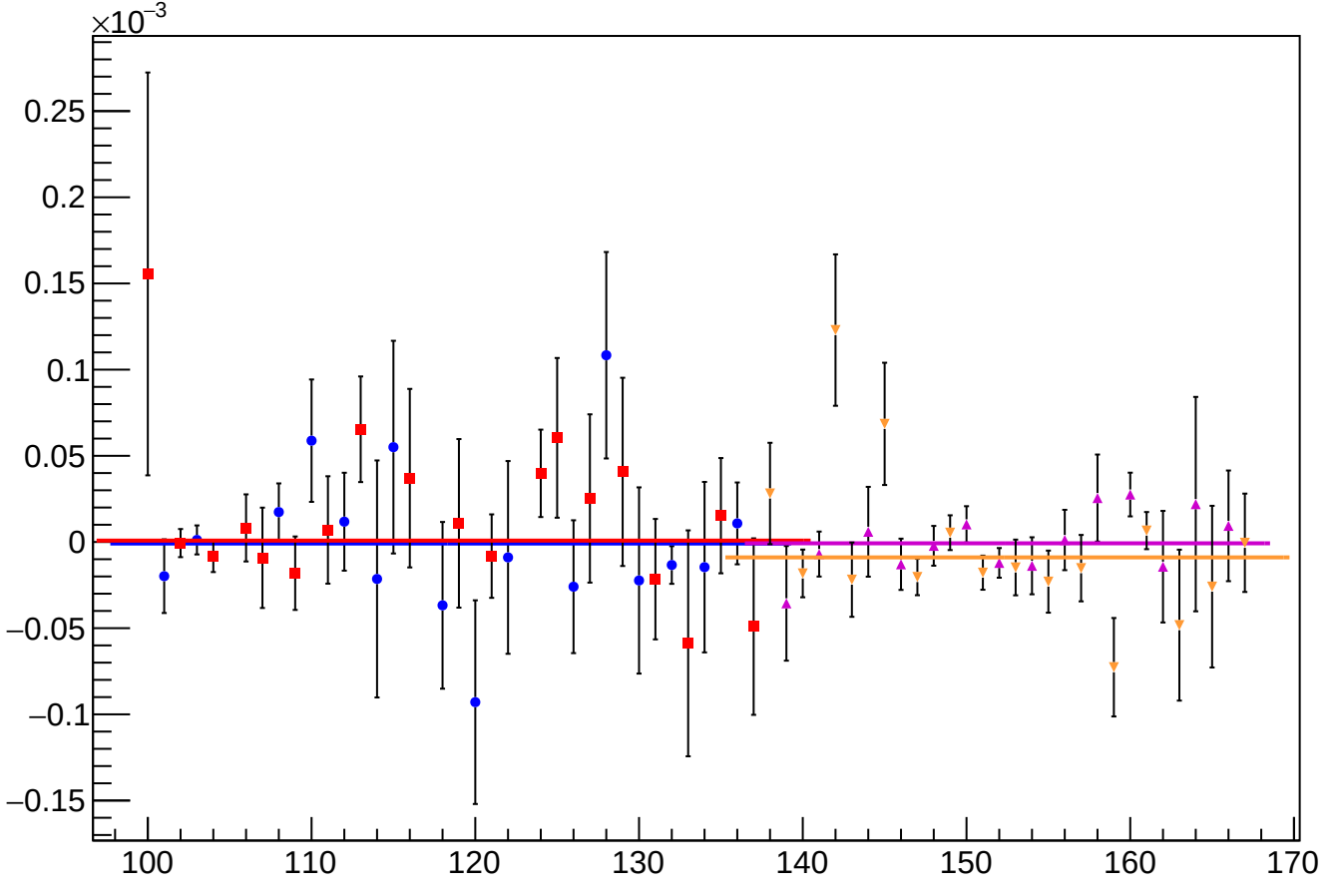
Left: 638.599+/-0.095 χ^2/NDF: 2293350.0/29

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 402.080+/-0.073 χ^2/NDF:5688197.9/29

Out: 383.852+/-0.070 χ^2/NDF:8780745.4/34

All: 392.697+/-0.051 χ^2/NDF: 14501423.3/64



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/13

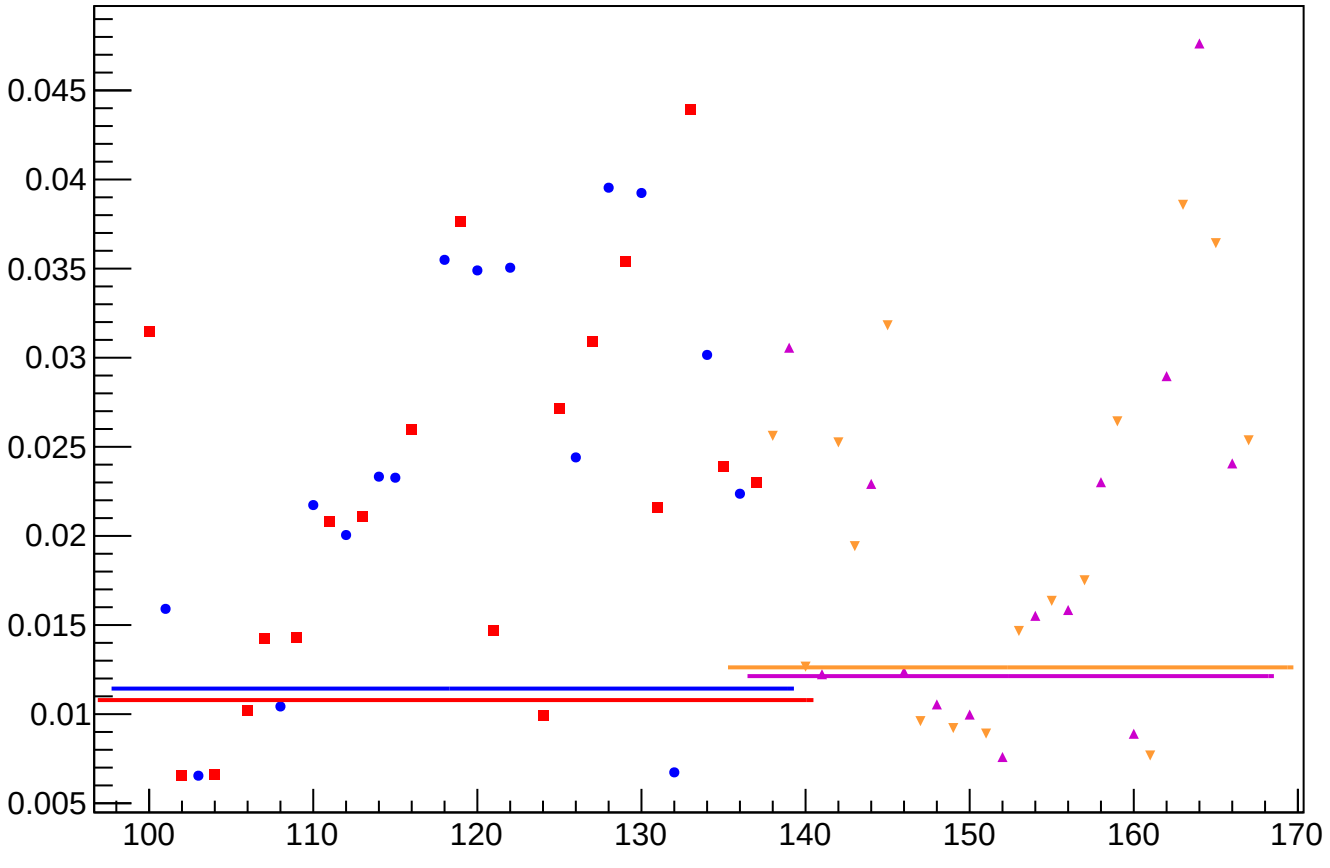
Left: -0.000+/-0.000 χ^2/NDF: 43.1/29

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:26.5/29

Out: -0.000+/-0.000 χ^2/NDF:47.6/34

All: -0.000+/-0.000 χ^2/NDF: 75.0/64



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:4765077.2/15

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:3779191.0/13

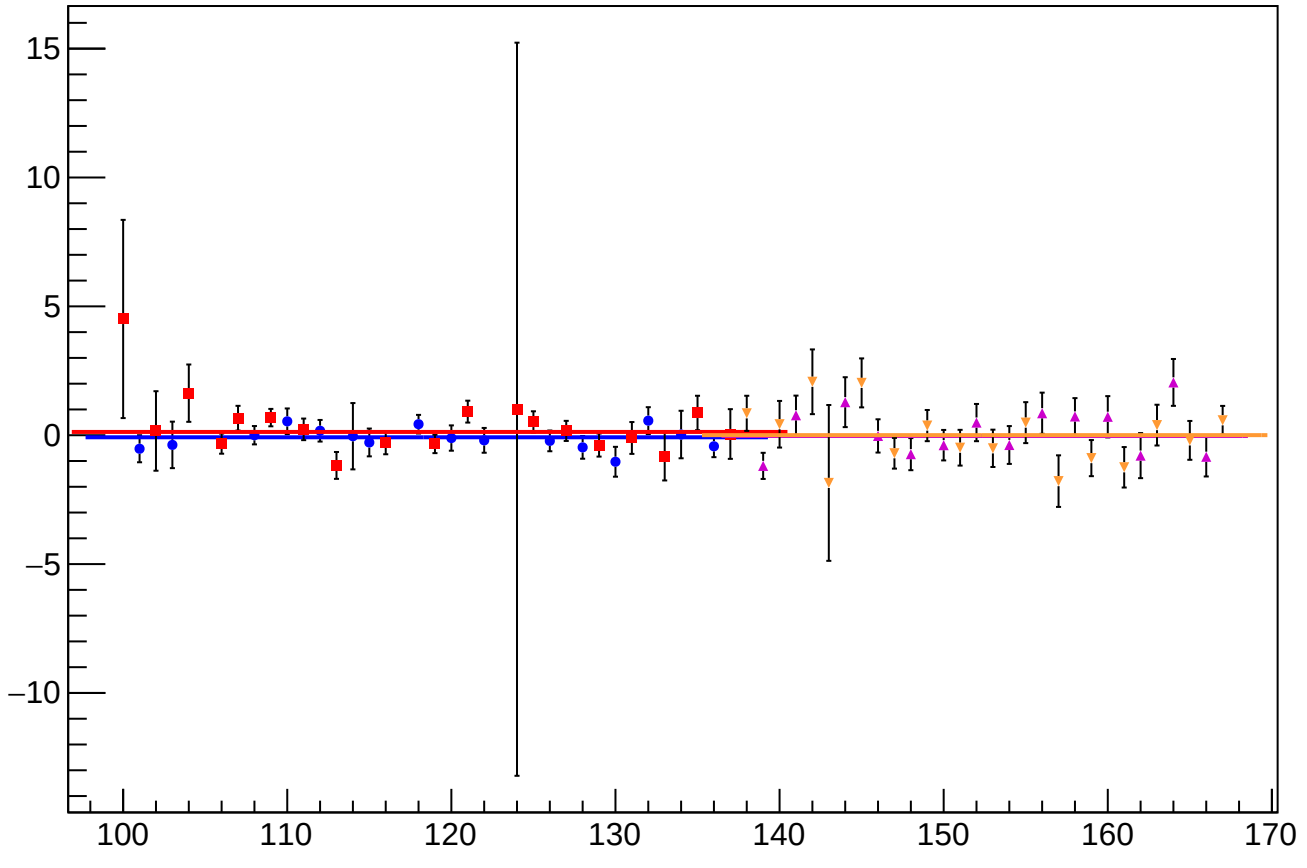
Left: 0.012+/-0.000 χ^2/NDF: 8558750.3/29

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:8500830.7/29

Out: 0.012+/-0.000 χ^2/NDF:9407346.1/34

All: 0.012+/-0.000 χ^2/NDF: 17908183.1/64



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.003+/-0.190 χ^2/NDF:21.2/15

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.030+/-0.190 χ^2/NDF:20.9/13

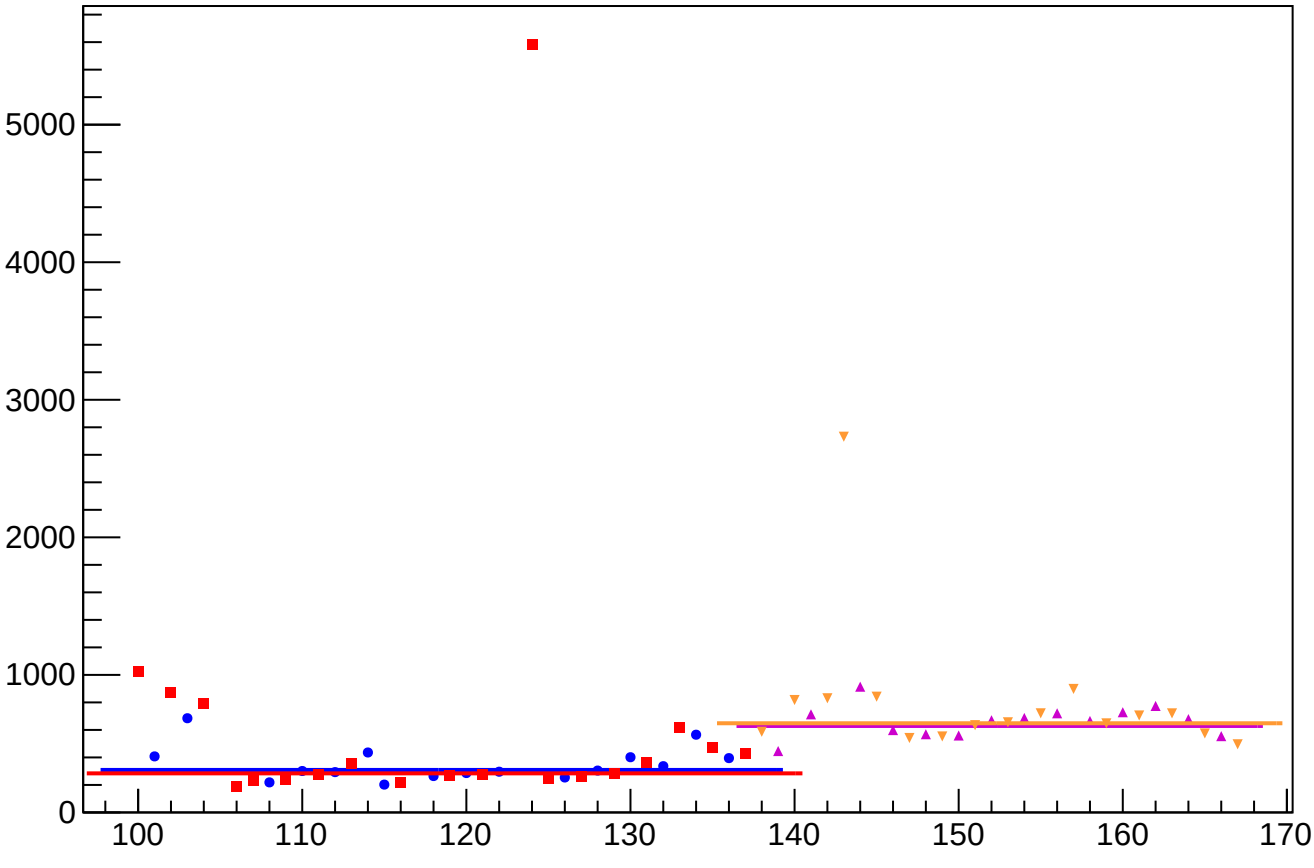
Left: -0.014+/-0.135 χ^2/NDF: 42.1/29

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.066+/-0.103 χ^2/NDF:31.7/29

Out: 0.094+/-0.100 χ^2/NDF:46.8/34

All: 0.016+/-0.071 χ^2/NDF: 79.7/64



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 648.417+/-0.135 χ^2/NDF:1612770.0/15

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 628.820+/-0.135 χ^2/NDF:669983.8/13

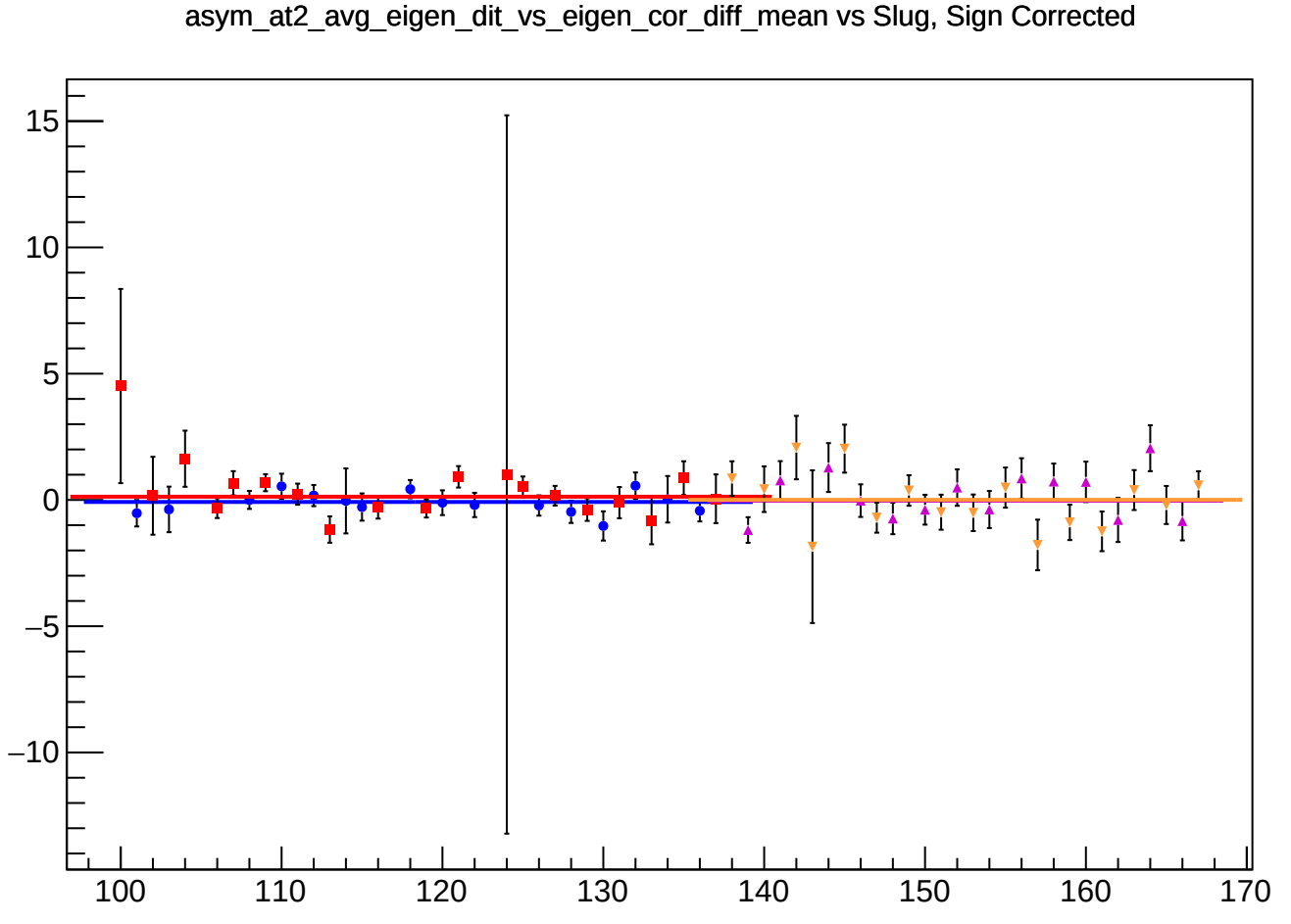
Left: 638.609+/-0.095 χ^2/NDF: 2293349.5/29

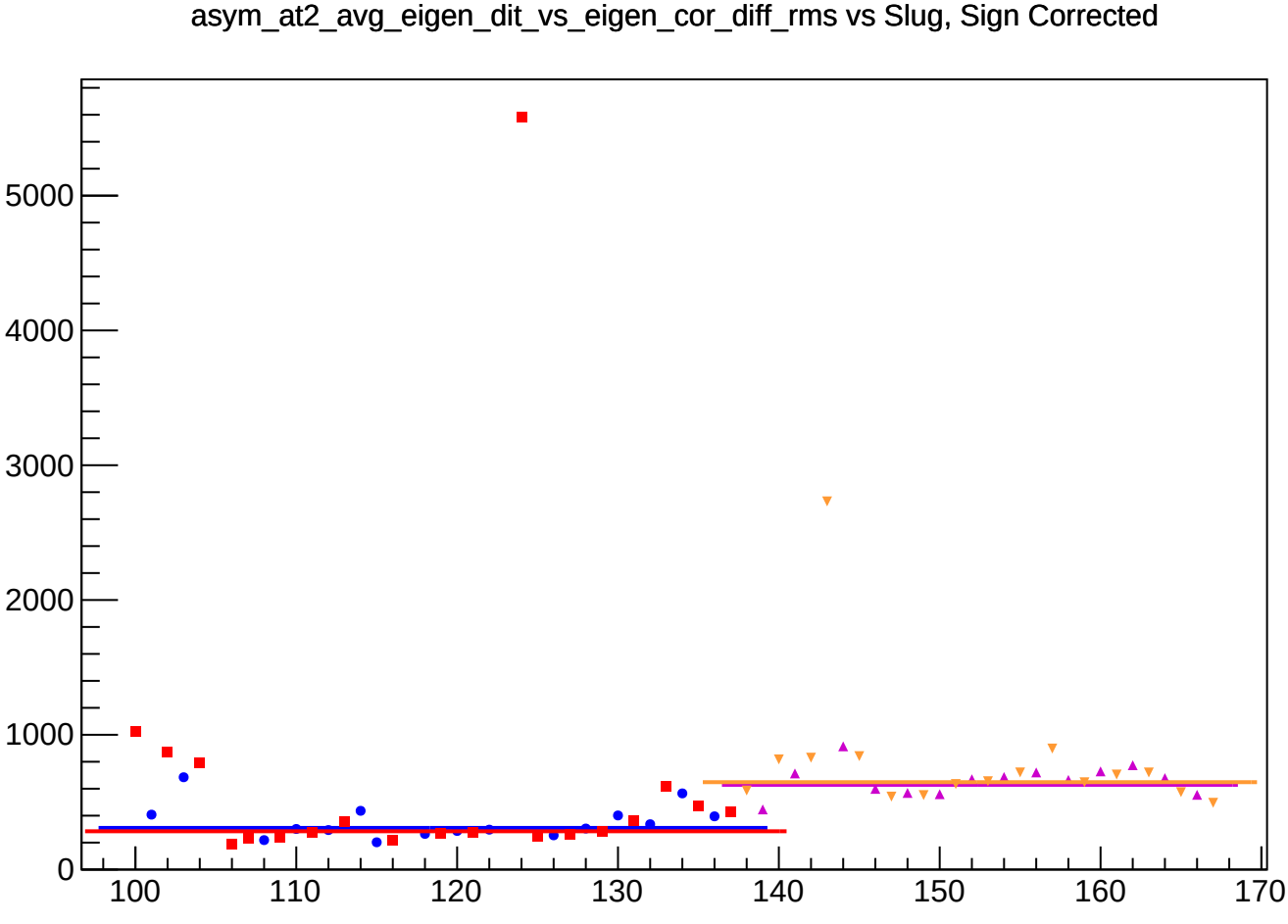
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 402.080+/-0.073 χ^2/NDF:5688337.9/29

Out: 383.852+/-0.070 χ^2/NDF:8780922.9/34

All: 392.697+/-0.051 χ^2/NDF: 14501741.6/64


asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
Right In: -0.080+/-0.122 χ²/NDF: 10.8/15
Left Out: 0.003+/-0.190 χ²/NDF:21.2/15
Right Out: 0.128+/-0.117 χ²/NDF: 25.3/18
Left In: -0.030+/-0.190 χ²/NDF:20.9/13
Left: -0.014+/-0.135 χ²/NDF: 42.1/29
Right: 0.028+/-0.084 χ²/NDF: 37.5/34
In: -0.066+/-0.103 χ²/NDF:31.7/29
Out: 0.094+/-0.100 χ²/NDF:46.8/34
All: 0.016+/-0.071 χ²/NDF: 79.7/64



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 648.417+/-0.135 χ^2/NDF:1612770.0/15

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 628.820+/-0.135 χ^2/NDF:669983.8/13

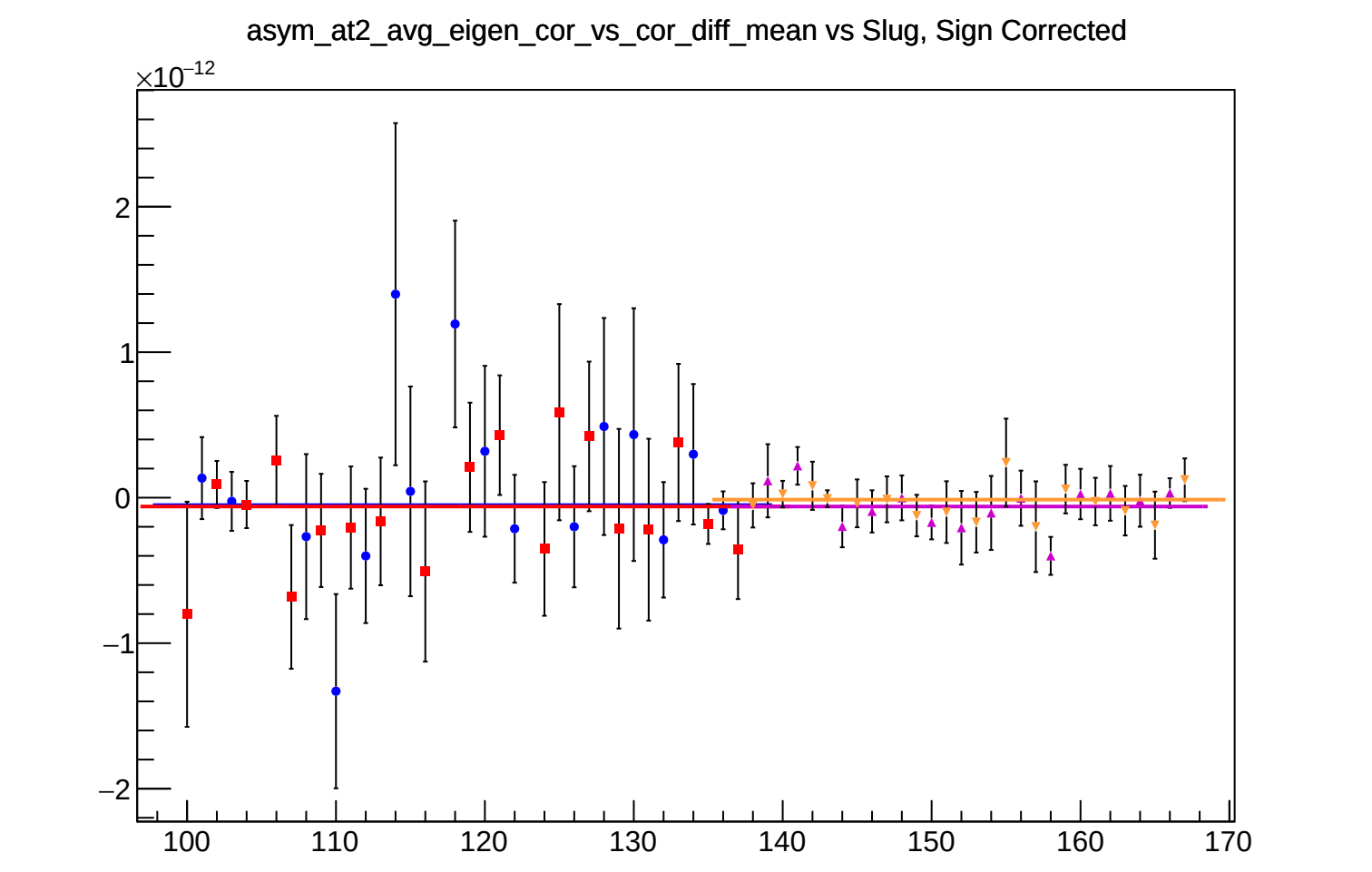
Left: 638.609+/-0.095 χ^2/NDF: 2293349.5/29

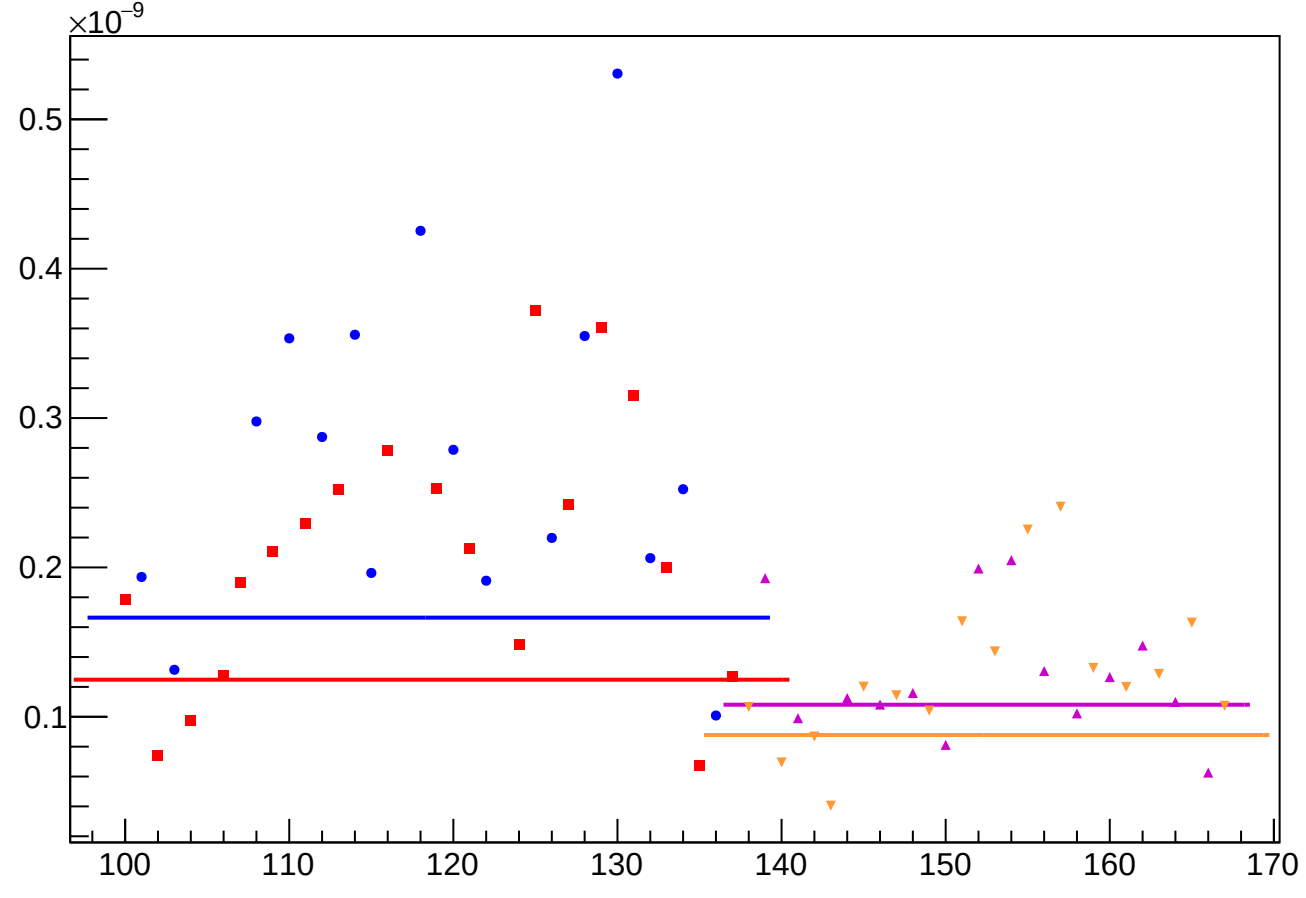
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 402.080+/-0.073 χ^2/NDF:5688337.9/29

Out: 383.852+/-0.070 χ^2/NDF:8780922.9/34

All: 392.697+/-0.051 χ^2/NDF: 14501741.6/64


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:4.8/15
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:15.7/13
Left: -0.000+/-0.000 χ²/NDF: 21.3/29
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:27.7/29
Out: -0.000+/-0.000 χ²/NDF:16.6/34
All: -0.000+/-0.000 χ²/NDF: 44.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3504522.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1443100.3/13

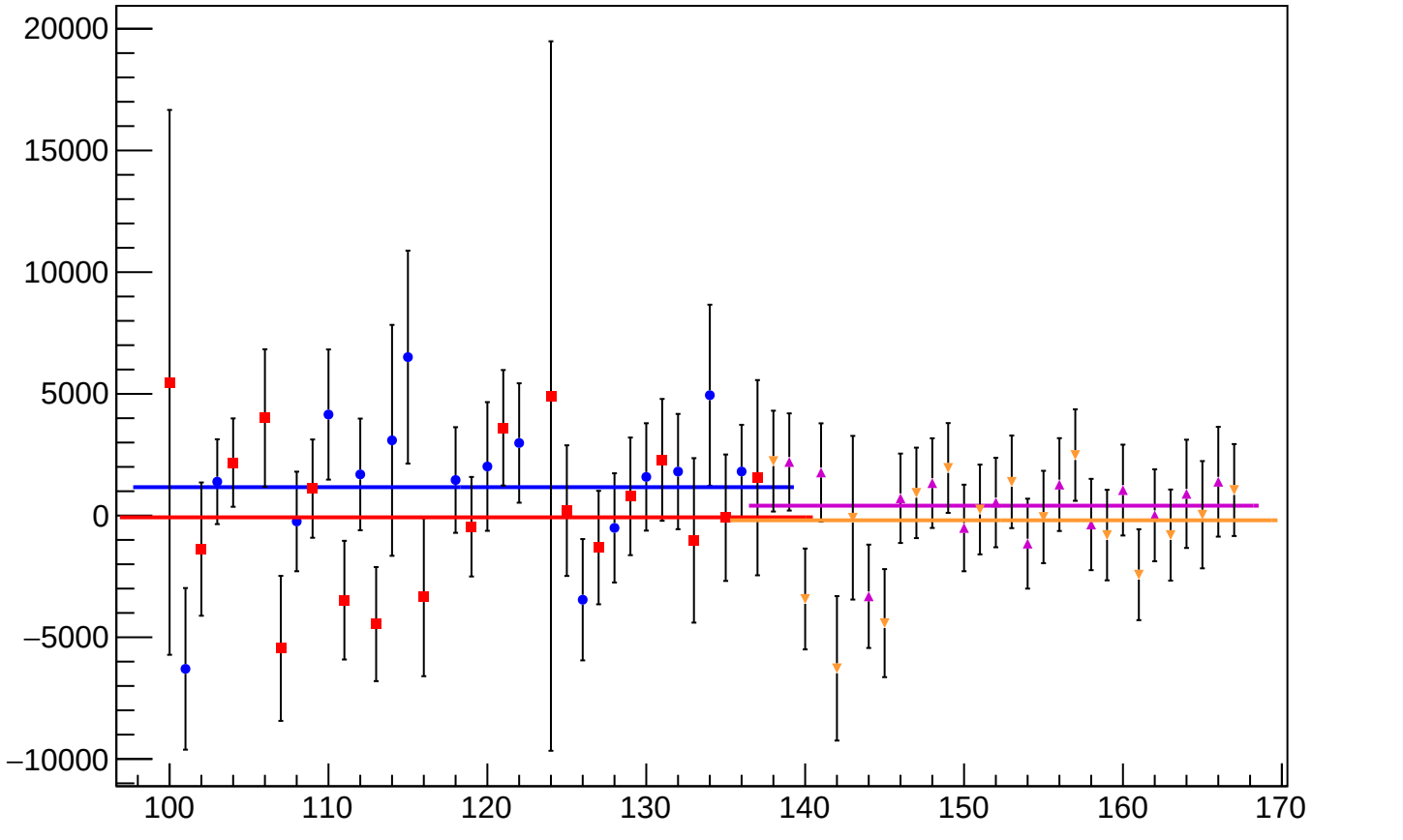
Left: 0.000+/-0.000 χ^2/NDF: 5237704.8/29

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

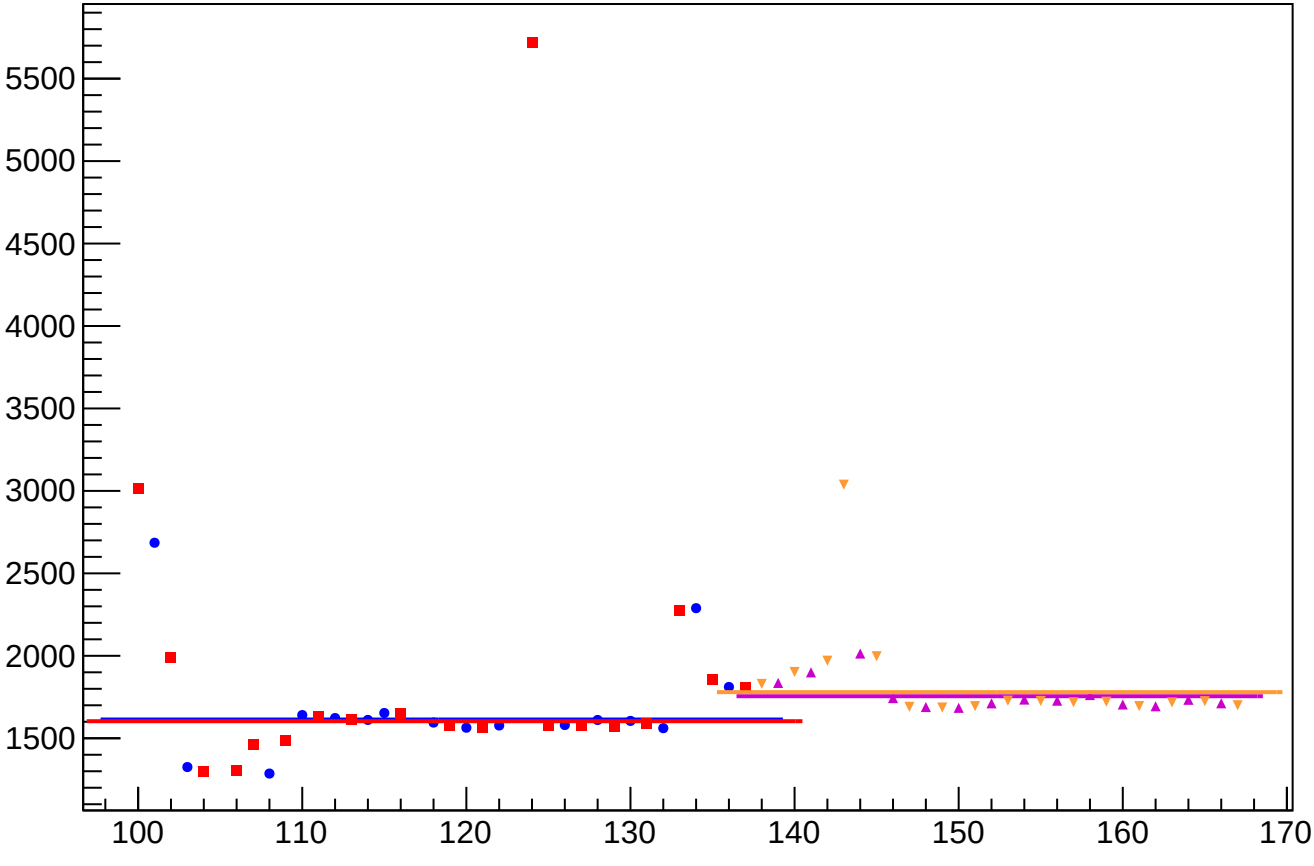
In: 0.000+/-0.000 χ^2/NDF:4198335.3/29

Out: 0.000+/-0.000 χ^2/NDF:6166893.4/34

All: 0.000+/-0.000 χ^2/NDF: 10882074.9/64


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1166.862+/-609.171 χ²/NDF: 14.4/15
Left Out: -193.498+/-504.124 χ²/NDF:18.2/15
Right Out: -72.181+/-603.362 χ²/NDF: 18.3/18
Left In: 405.731+/-517.097 χ²/NDF:6.4/13
Left: 98.505+/-360.968 χ²/NDF: 25.3/29
Right: 541.404+/-428.680 χ²/NDF: 34.8/34
In: 724.486+/-394.219 χ²/NDF:21.7/29
Out: -143.624+/-386.861 χ²/NDF:36.6/34
All: 282.254+/-276.117 χ²/NDF: 60.7/64

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1779.722+/-0.356 χ^2/NDF:347862.8/15

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1754.985+/-0.366 χ^2/NDF:55156.4/13

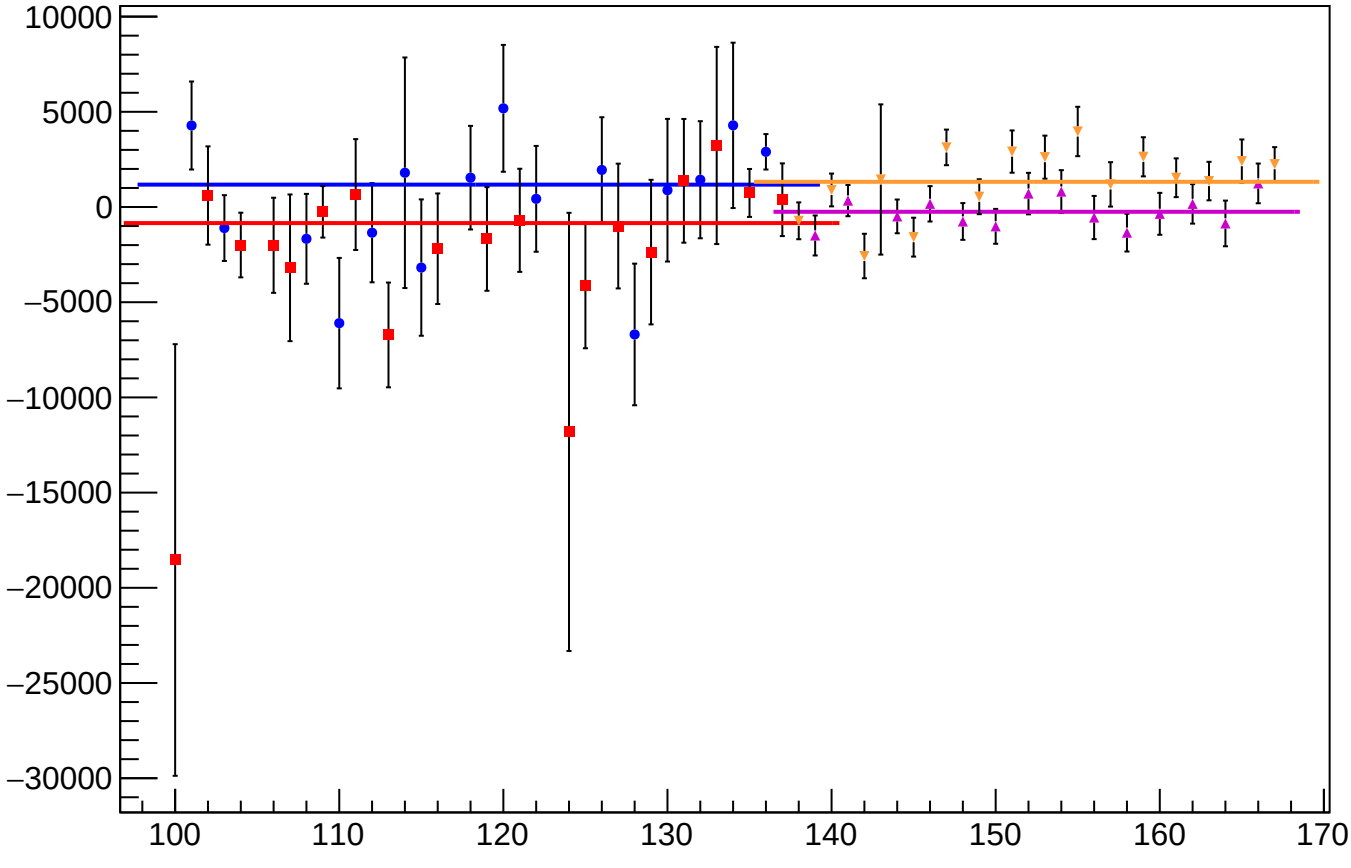
Left: 1767.668+/-0.255 χ^2/NDF: 405365.8/29

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1695.805+/-0.279 χ^2/NDF:522396.8/29

Out: 1707.261+/-0.274 χ^2/NDF:874166.3/34

All: 1701.641+/-0.195 χ^2/NDF: 1397423.4/64



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1323.348+/-264.065 χ^2/NDF:39.6/15

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -250.709+/-268.329 χ^2/NDF:8.6/13

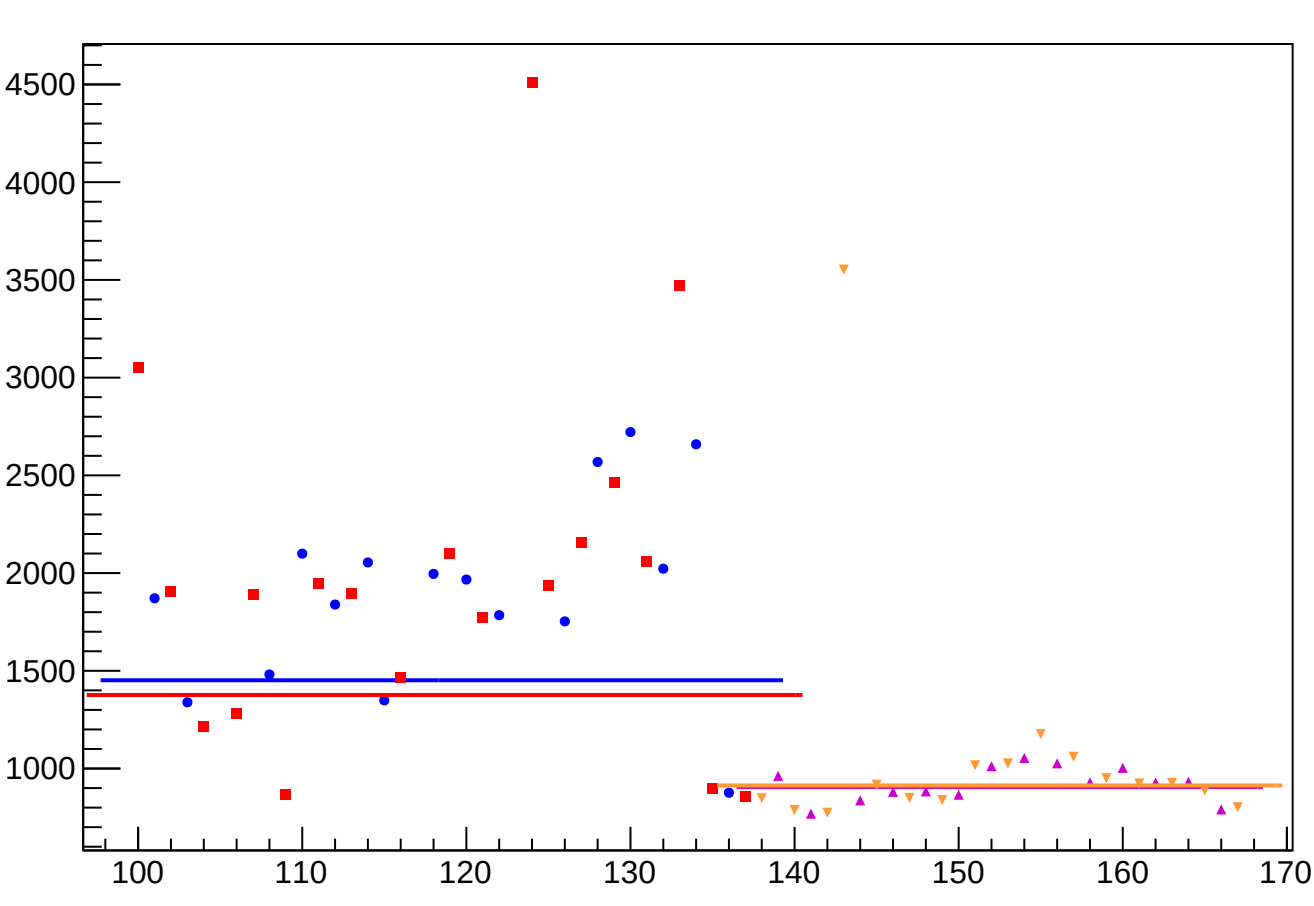
Left: 548.926+/-188.211 χ^2/NDF: 65.7/29

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 1.396+/-243.460 χ^2/NDF:35.6/29

Out: 926.154+/-238.643 χ^2/NDF:66.2/34

All: 473.015+/-170.424 χ^2/NDF: 109.2/64



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 913.600+/-0.187 χ^2/NDF:1184269.5/15

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 905.779+/-0.190 χ^2/NDF:199419.6/13

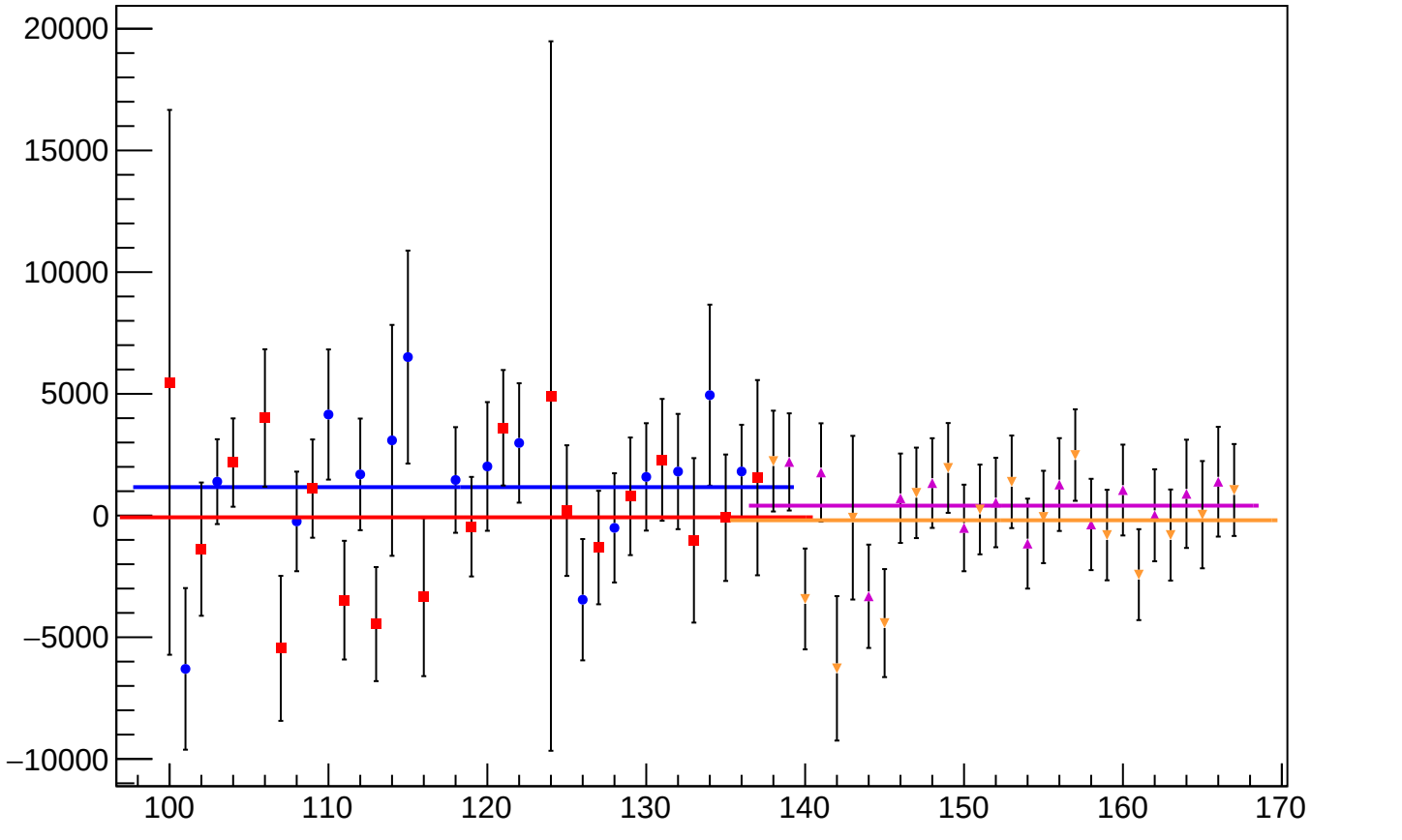
Left: 909.752+/-0.133 χ^2/NDF: 1384552.3/29

Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1002.268+/-0.172 χ^2/NDF:3453285.0/29

Out: 998.432+/-0.169 χ^2/NDF:4442559.8/34

All: 1000.312+/-0.121 χ^2/NDF: 7896098.1/64


cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
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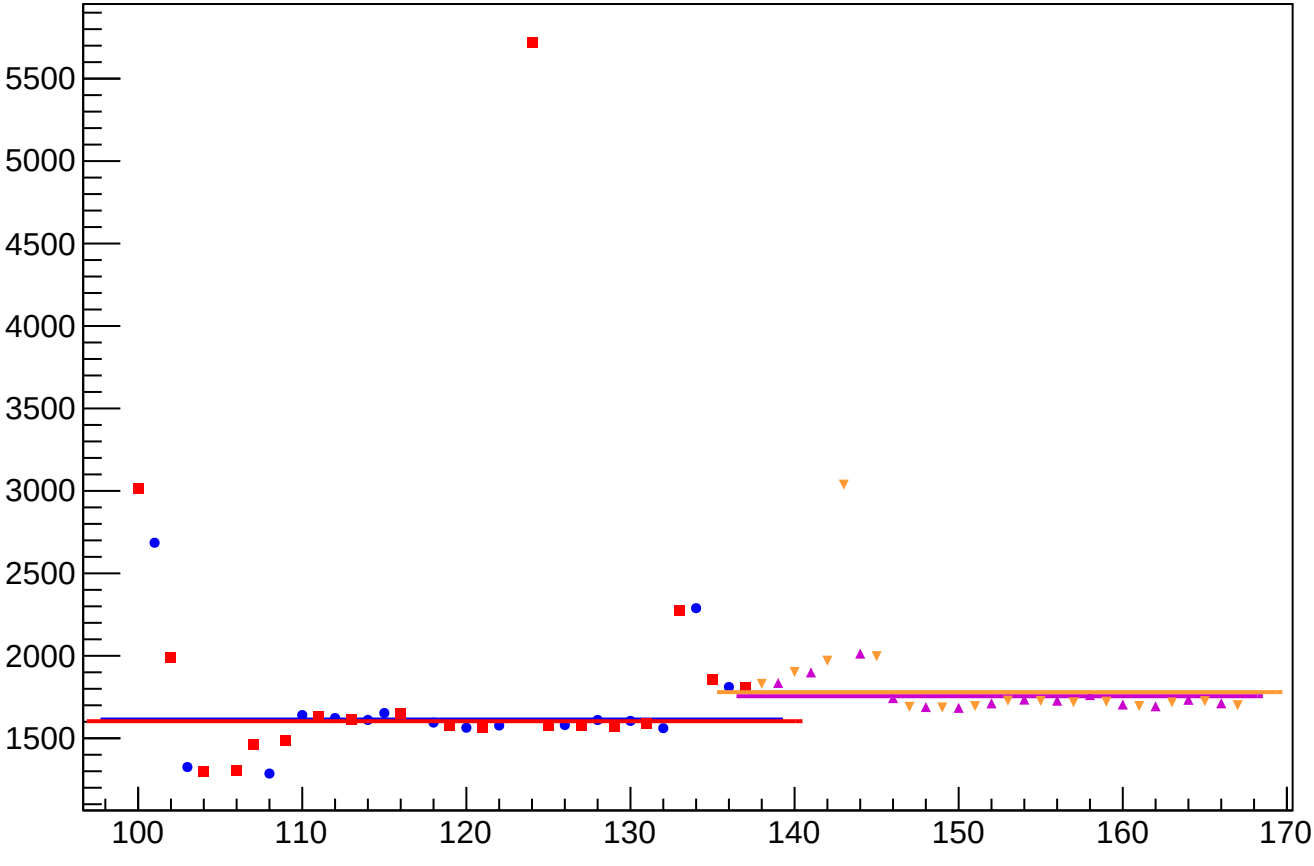
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -193.649+/-504.124 χ²/NDF:18.2/15
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 405.658+/-517.097 χ²/NDF:6.4/13
Left: 98.393+/-360.968 χ²/NDF: 25.3/29
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 724.404+/-394.219 χ²/NDF:21.7/29
Out: -143.843+/-386.861 χ²/NDF:36.6/34
All: 282.102+/-276.117 χ²/NDF: 60.7/64

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1779.722+/-0.356 χ^2/NDF:347862.8/15

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1754.985+/-0.366 χ^2/NDF:55156.4/13

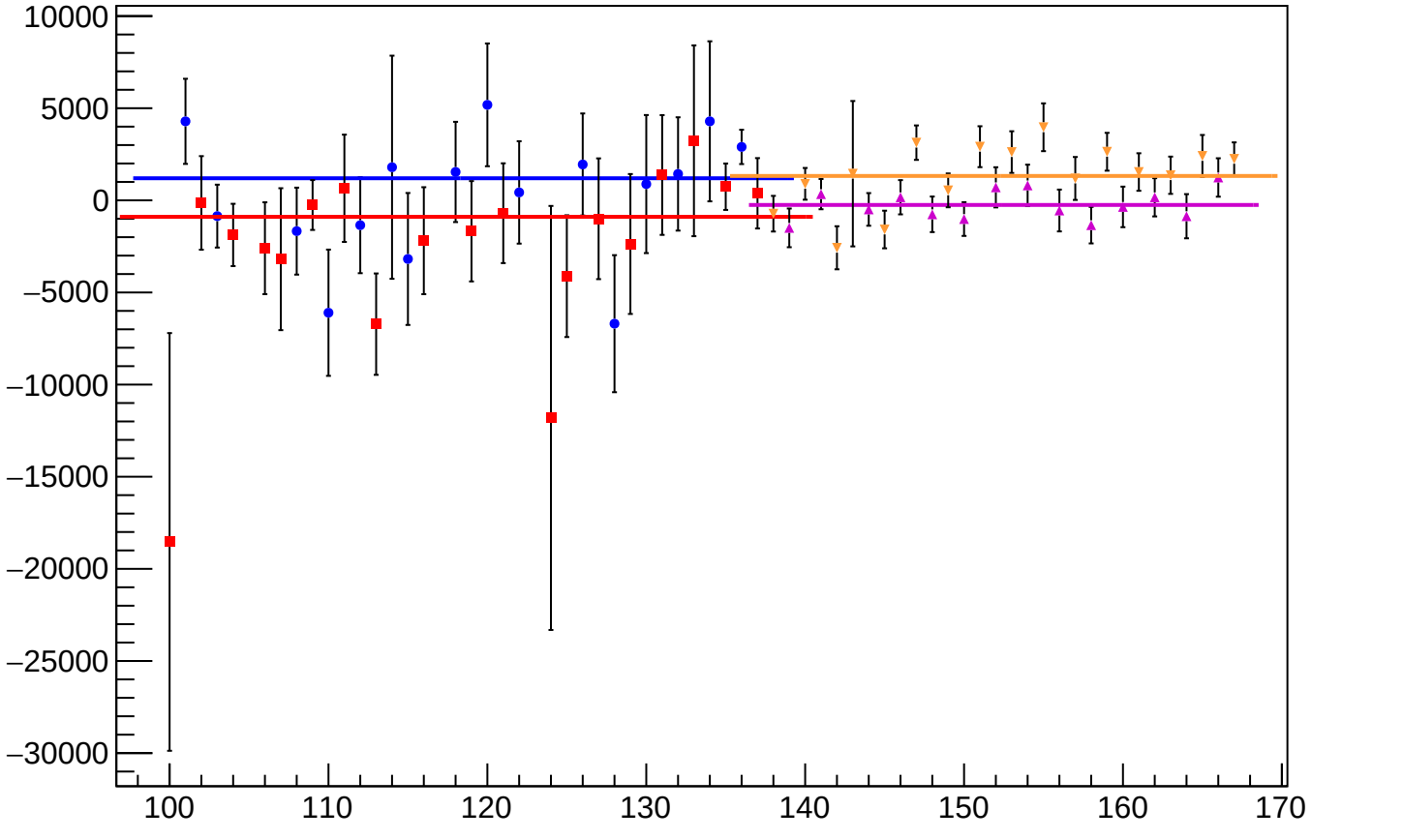
Left: 1767.668+/-0.255 χ^2/NDF: 405365.8/29

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1695.805+/-0.279 χ^2/NDF:522397.2/29

Out: 1707.261+/-0.274 χ^2/NDF:874166.5/34

All: 1701.641+/-0.195 χ^2/NDF: 1397424.0/64



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1323.389+/-264.068 χ^2/NDF:39.6/15

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -250.628+/-268.328 χ^2/NDF:8.6/13

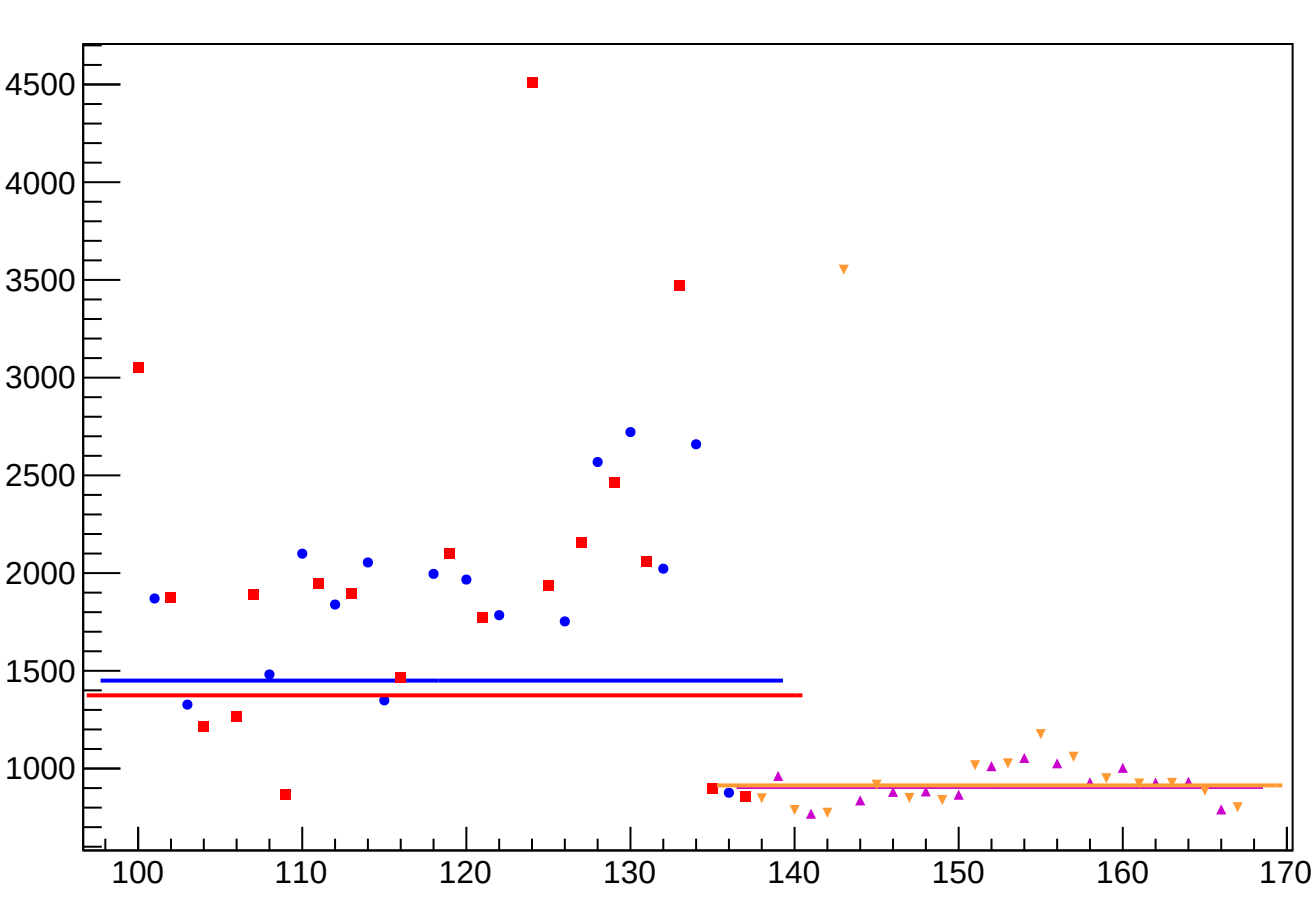
Left: 548.975+/-188.212 χ^2/NDF: 65.7/29

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 6.102+/-243.399 χ^2/NDF:35.4/29

Out: 915.800+/-238.584 χ^2/NDF:66.8/34

All: 470.037+/-170.381 χ^2/NDF: 109.4/64



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 913.613+/-0.187 χ^2/NDF:1184169.1/15

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 905.776+/-0.190 χ^2/NDF:199466.8/13

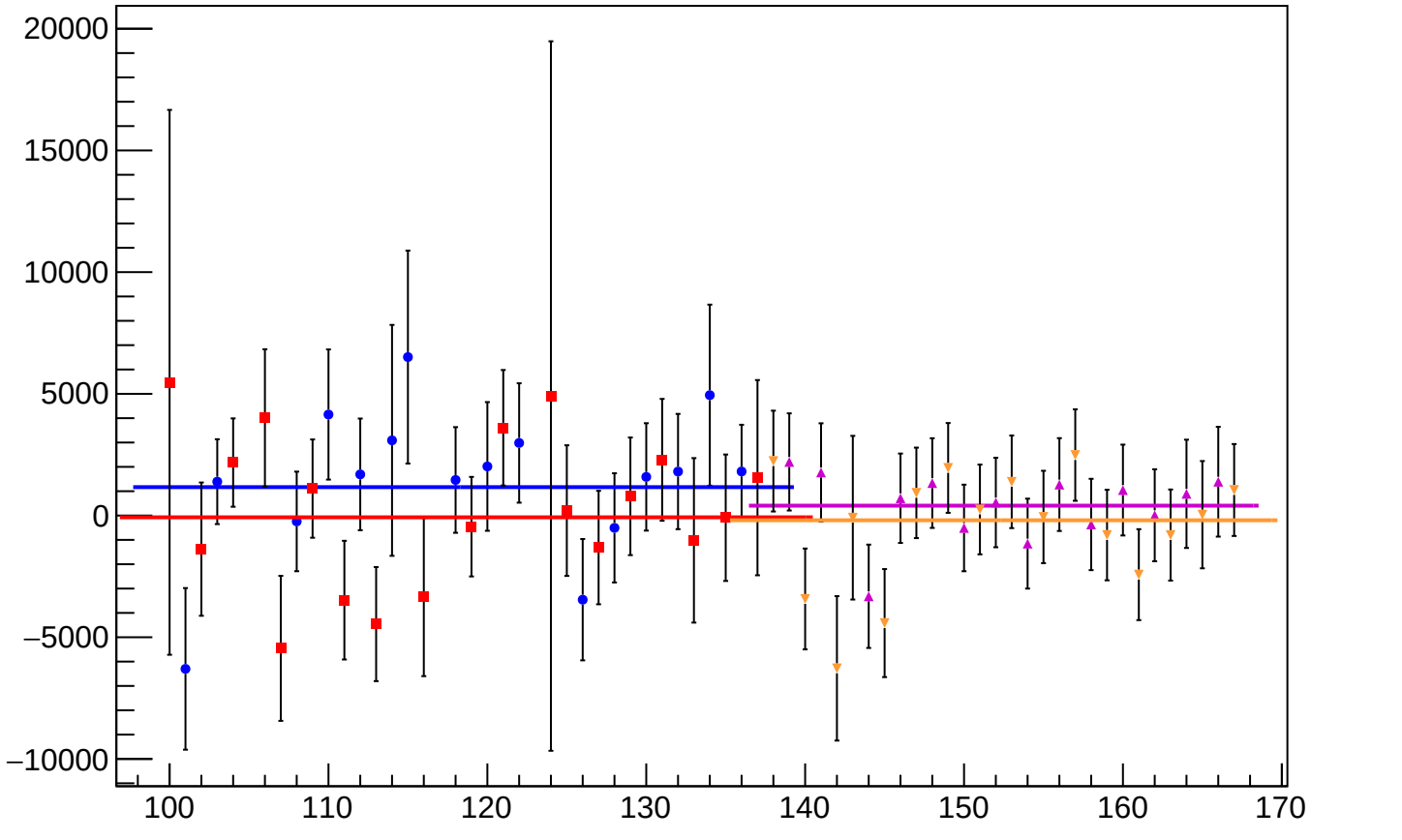
Left: 909.757+/-0.133 χ^2/NDF: 1384502.7/29

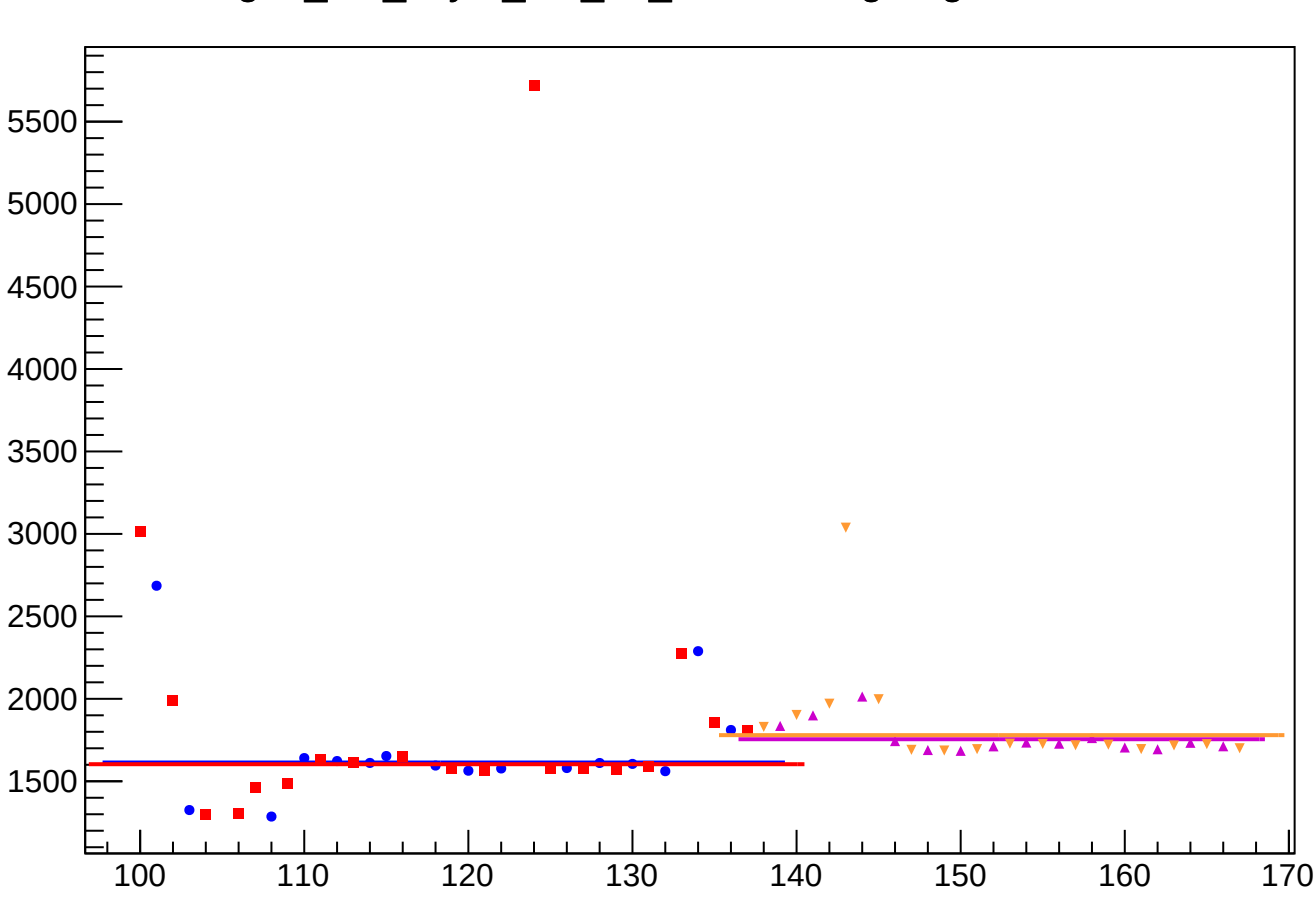
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

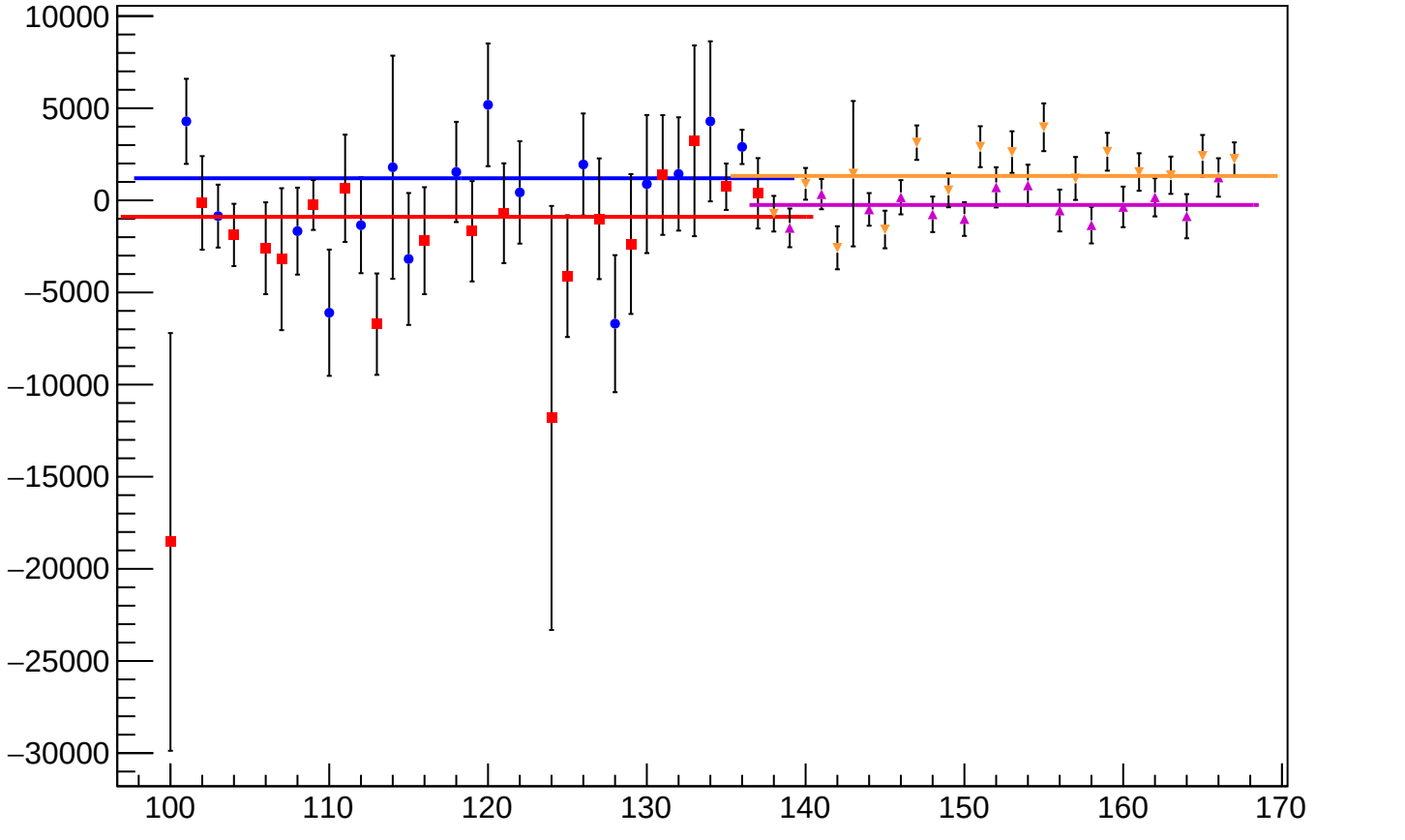
In: 1002.191+/-0.172 χ^2/NDF:3449527.4/29

Out: 998.264+/-0.169 χ^2/NDF:4430695.7/34

All: 1000.188+/-0.120 χ^2/NDF: 7880488.7/64


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -193.649+/-504.124 χ²/NDF:18.2/15
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 405.658+/-517.097 χ²/NDF:6.4/13
Left: 98.393+/-360.968 χ²/NDF: 25.3/29
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 724.404+/-394.219 χ²/NDF:21.7/29
Out: -143.843+/-386.861 χ²/NDF:36.6/34
All: 282.102+/-276.117 χ²/NDF: 60.7/64


eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
Right In: 1613.674+/-0.431 χ²/NDF: 404688.8/15
Left Out: 1779.722+/-0.356 χ²/NDF:347862.8/15
Right Out: 1603.464+/-0.427 χ²/NDF: 425793.4/18
Left In: 1754.985+/-0.366 χ²/NDF:55156.4/13
Left: 1767.668+/-0.255 χ²/NDF: 405365.8/29
Right: 1608.520+/-0.303 χ²/NDF: 830765.8/34
In: 1695.805+/-0.279 χ²/NDF:522397.2/29
Out: 1707.261+/-0.274 χ²/NDF:874166.5/34
All: 1701.641+/-0.195 χ²/NDF: 1397424.0/64



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1323.389+/-264.068 χ^2/NDF:39.6/15

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -250.628+/-268.328 χ^2/NDF:8.6/13

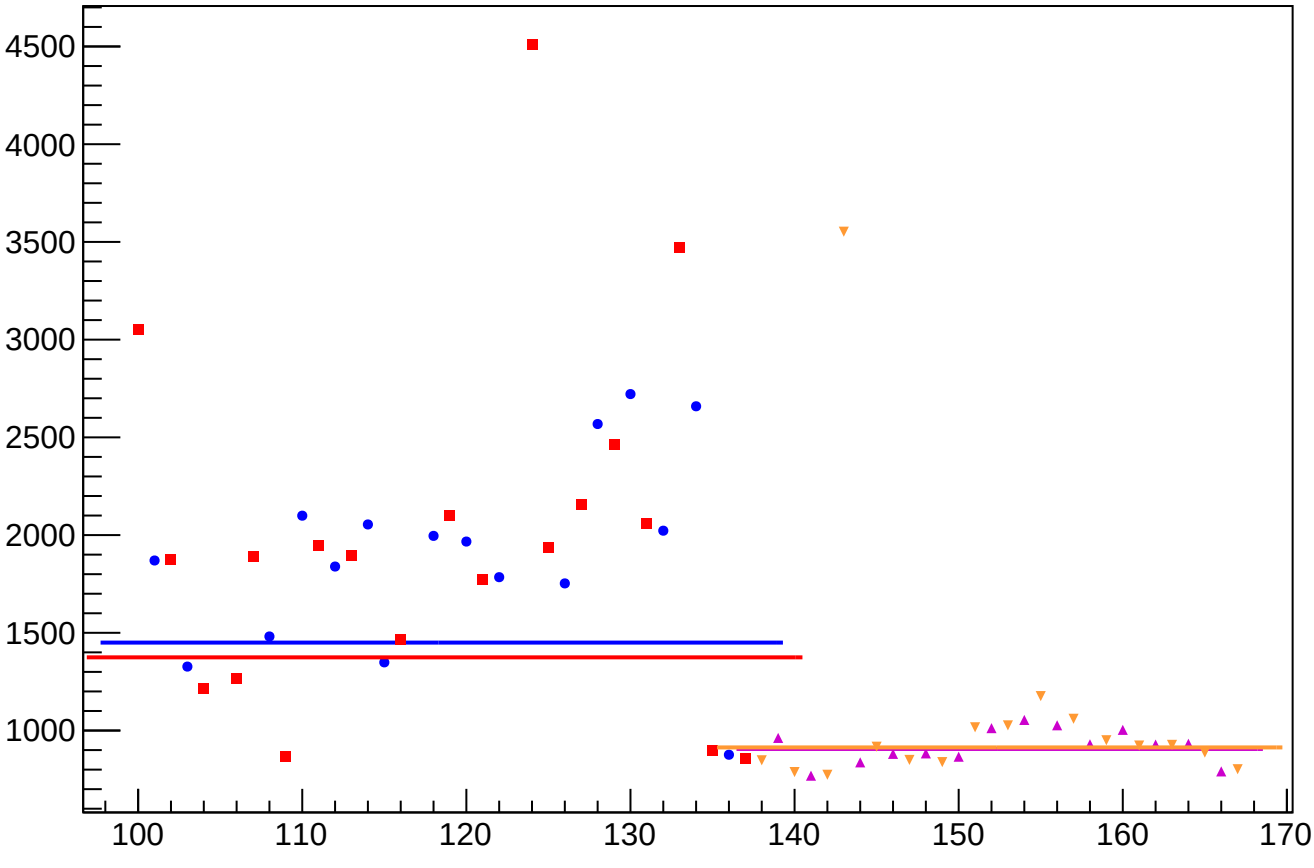
Left: 548.975+/-188.212 χ^2/NDF: 65.7/29

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 6.102+/-243.399 χ^2/NDF:35.4/29

Out: 915.800+/-238.584 χ^2/NDF:66.8/34

All: 470.037+/-170.381 χ^2/NDF: 109.4/64



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 913.613+/-0.187 χ^2/NDF:1184169.1/15

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 905.776+/-0.190 χ^2/NDF:199466.8/13

Left: 909.757+/-0.133 χ^2/NDF: 1384502.7/29

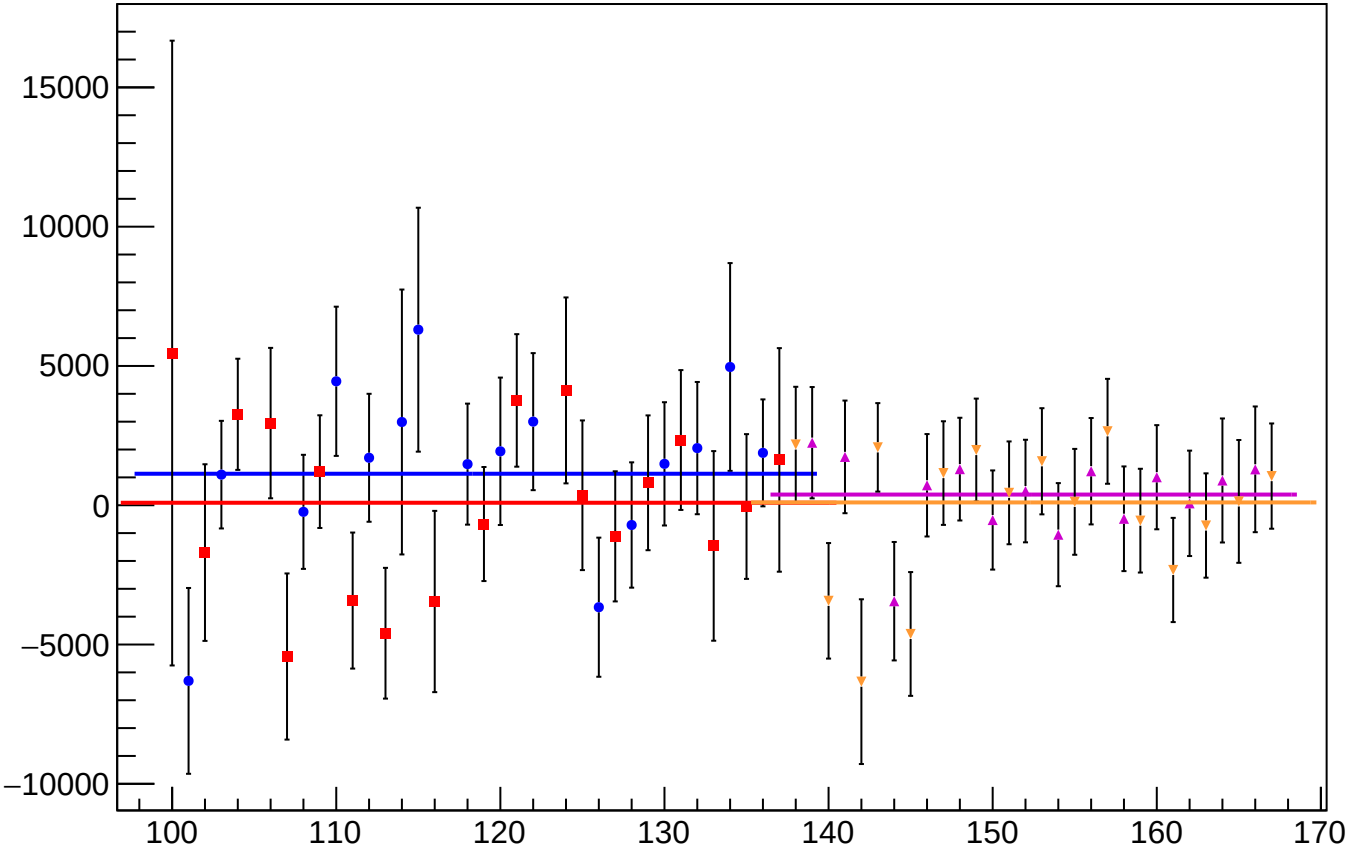
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1002.191+/-0.172 χ^2/NDF:3449527.4/29

Out: 998.264+/-0.169 χ^2/NDF:4430695.7/34

All: 1000.188+/-0.120 χ^2/NDF: 7880488.7/64

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 100.876+/-485.968 χ^2/NDF:20.8/15

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 383.395+/-517.775 χ^2/NDF:6.5/13

Left: 233.192+/-354.343 χ^2/NDF: 27.4/29

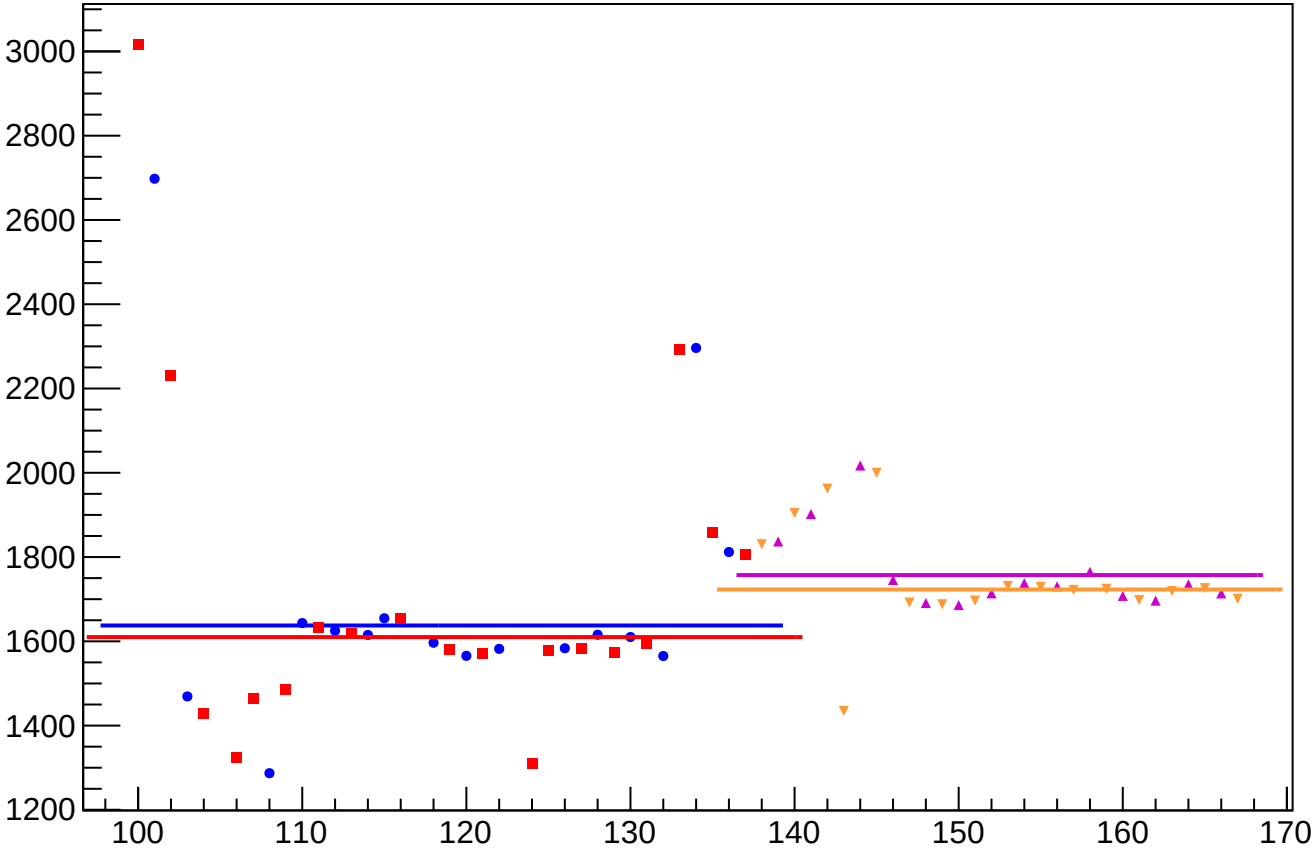
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 692.071+/-396.685 χ^2/NDF:22.3/29

Out: 96.287+/-378.401 χ^2/NDF:41.5/34

All: 380.132+/-273.806 χ^2/NDF: 65.0/64

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1722.944+/-0.344 χ^2/NDF:133231.5/15

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1757.273+/-0.366 χ^2/NDF:55352.6/13

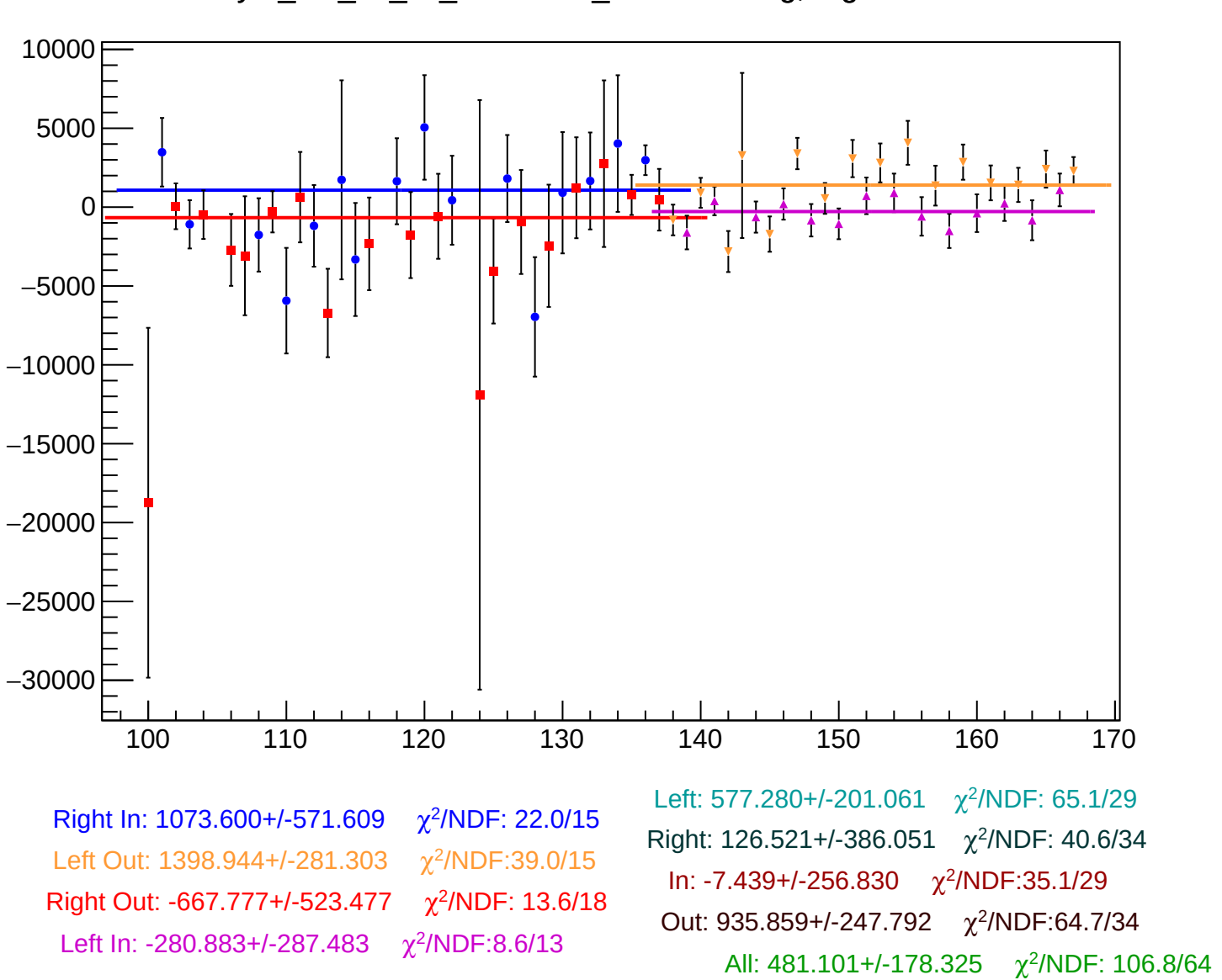
Left: 1739.022+/-0.251 χ^2/NDF: 193258.3/29

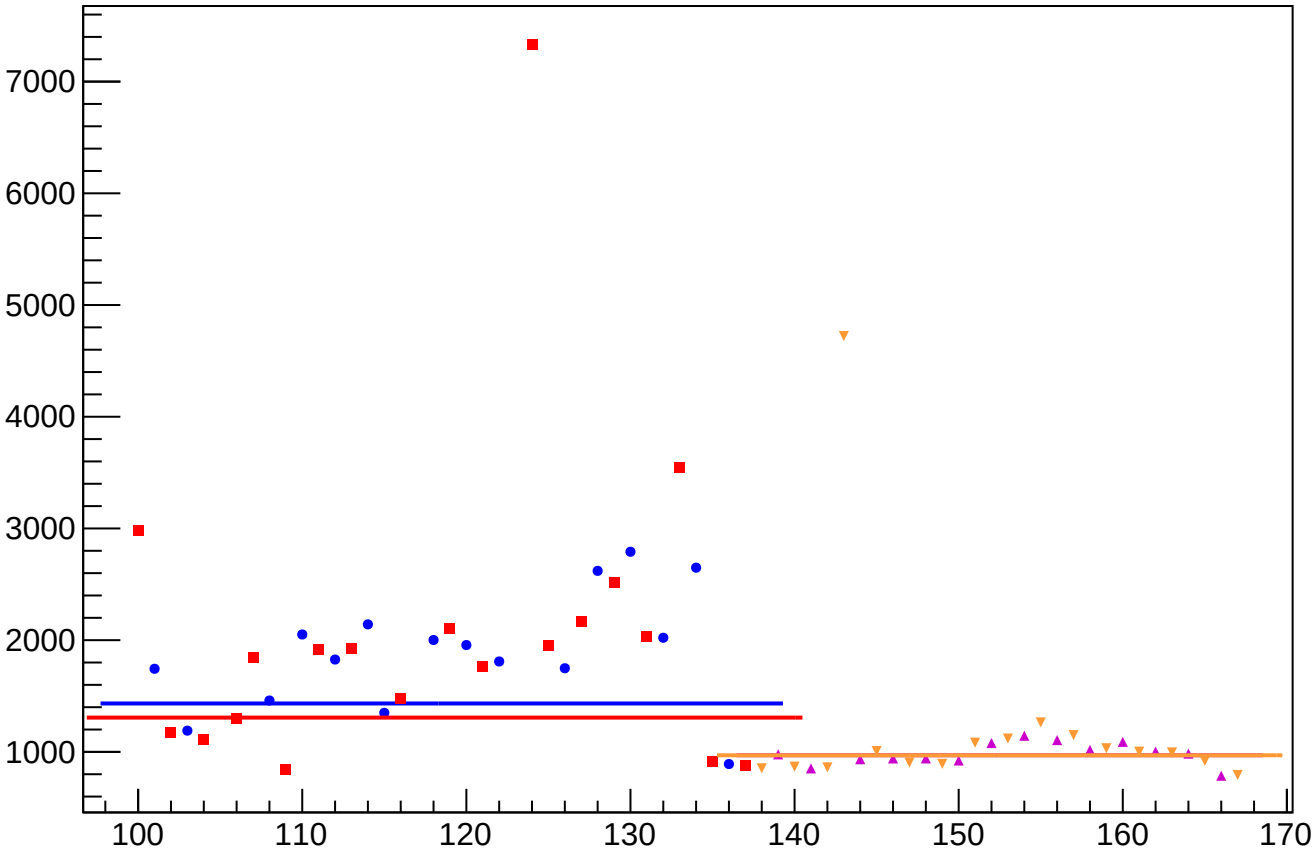
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

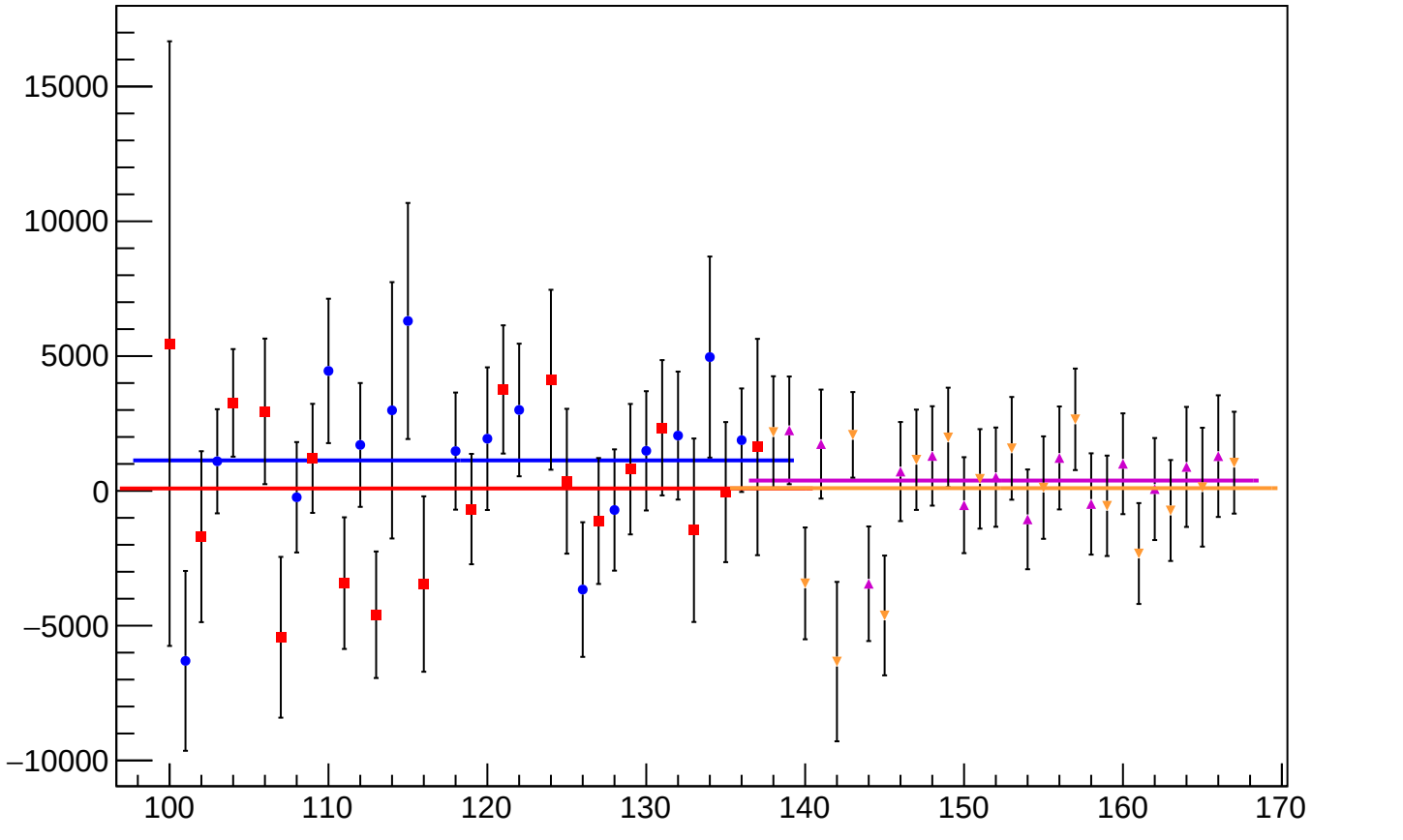
In: 1707.833+/-0.280 χ^2/NDF:460918.5/29

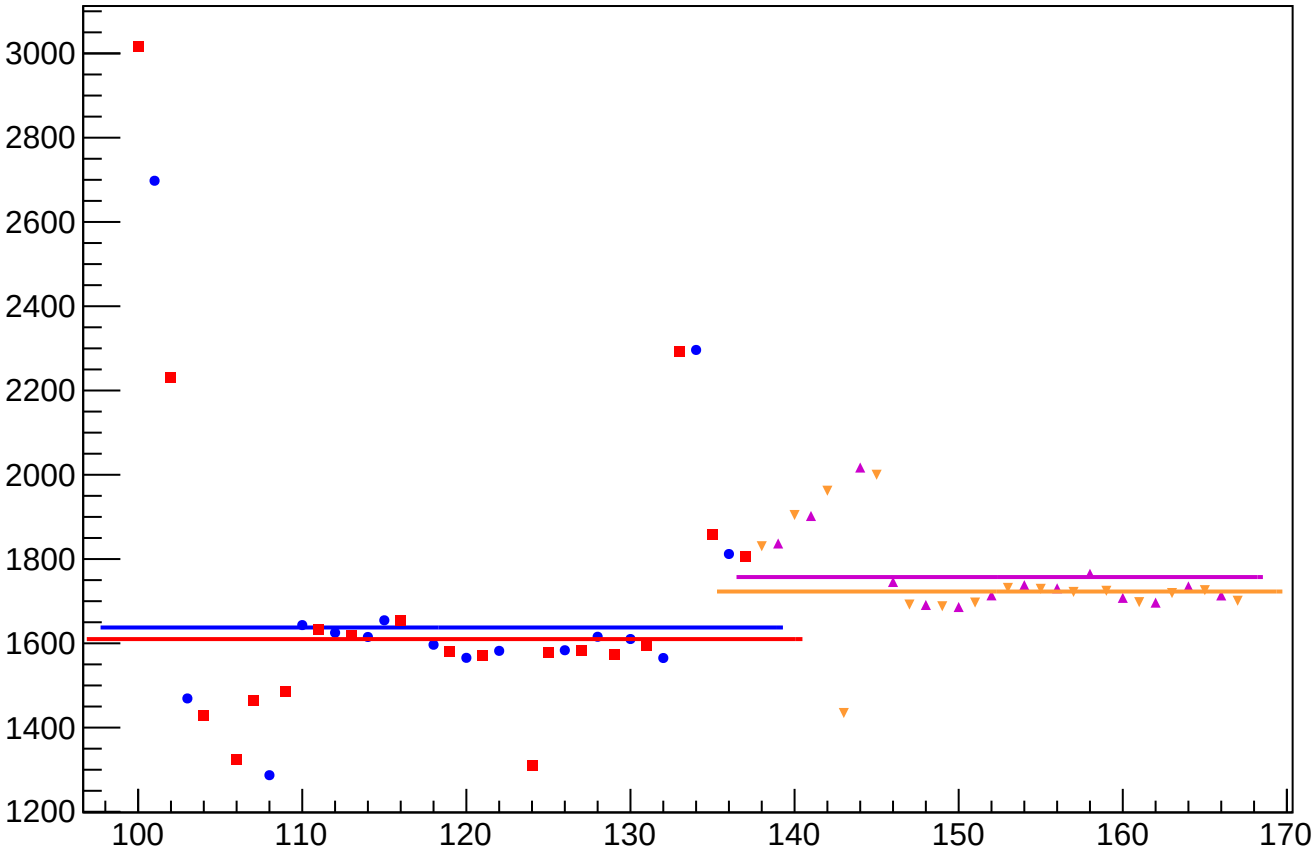
Out: 1678.495+/-0.268 χ^2/NDF:456542.3/34

All: 1692.472+/-0.194 χ^2/NDF: 923188.6/64


asym_at2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: 1073.600+/-571.609 χ²/NDF: 22.0/15
Left Out: 1398.944+/-281.303 χ²/NDF:39.0/15
Right Out: -667.777+/-523.477 χ²/NDF: 13.6/18
Left In: -280.883+/-287.483 χ²/NDF:8.6/13
Left: 577.280+/-201.061 χ²/NDF: 65.1/29
Right: 126.521+/-386.051 χ²/NDF: 40.6/34
In: -7.439+/-256.830 χ²/NDF:35.1/29
Out: 935.859+/-247.792 χ²/NDF:64.7/34
All: 481.101+/-178.325 χ²/NDF: 106.8/64


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 969.535+/-0.199 χ²/NDF:1387165.8/15
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 970.095+/-0.203 χ²/NDF:215954.9/13
Left: 969.809+/-0.142 χ²/NDF: 1603124.6/29
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1063.643+/-0.182 χ²/NDF:3028452.3/29
Out: 1045.120+/-0.175 χ²/NDF:4215498.4/34
All: 1054.050+/-0.126 χ²/NDF: 7249338.7/64


eigen_dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1130.728+/-617.236 χ²/NDF: 15.0/15
Left Out: 100.870+/-485.968 χ²/NDF:20.8/15
Right Out: 89.225+/-603.072 χ²/NDF: 20.7/18
Left In: 383.396+/-517.775 χ²/NDF:6.5/13
Left: 233.189+/-354.343 χ²/NDF: 27.4/29
Right: 597.890+/-431.357 χ²/NDF: 37.1/34
In: 692.072+/-396.685 χ²/NDF:22.3/29
Out: 96.285+/-378.401 χ²/NDF:41.5/34
All: 380.132+/-273.806 χ²/NDF: 65.0/64



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1722.944+/-0.344 χ^2/NDF:133230.4/15

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1757.273+/-0.366 χ^2/NDF:55352.7/13

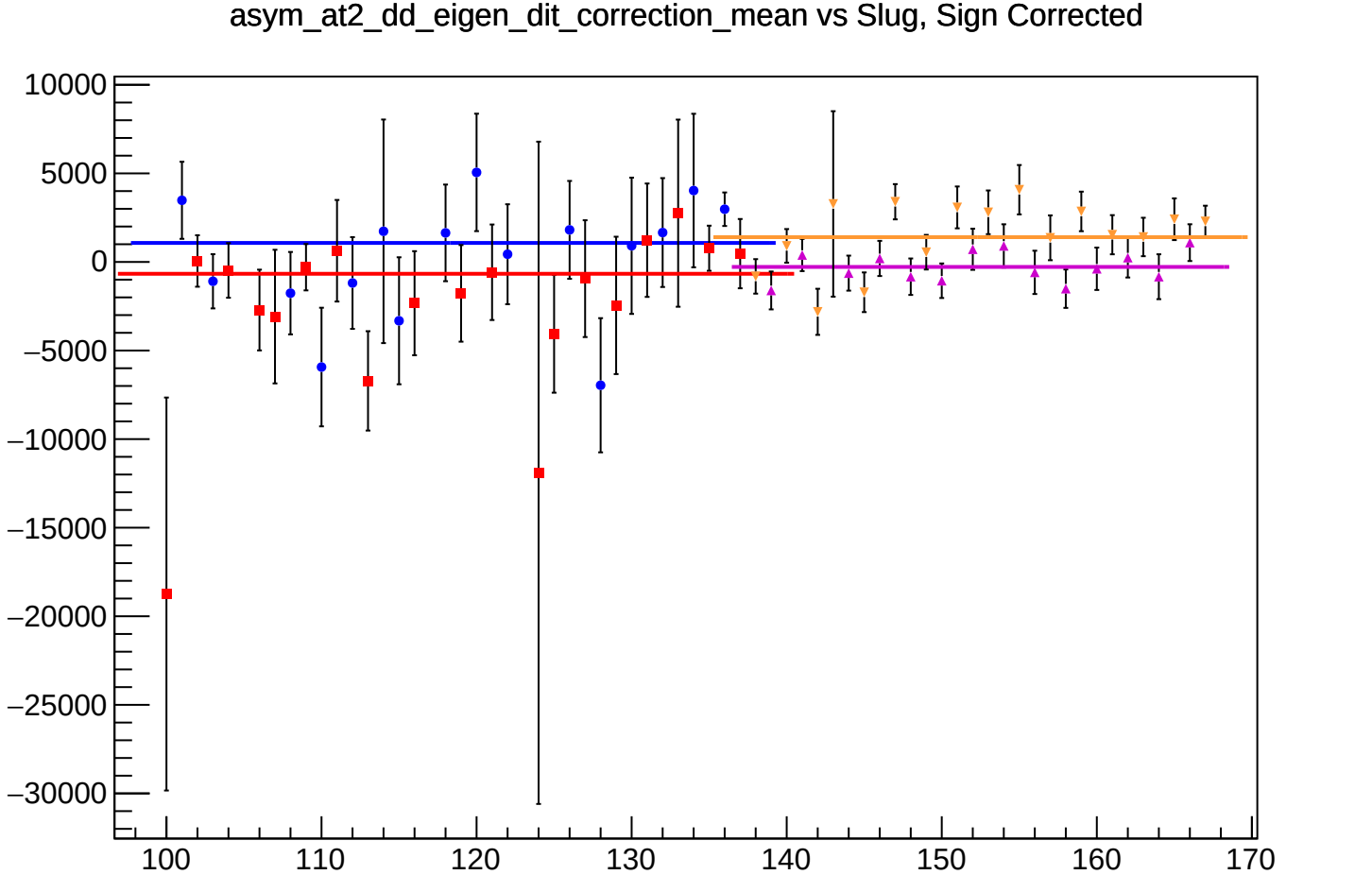
Left: 1739.022+/-0.251 χ^2/NDF: 193257.3/29

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.833+/-0.280 χ^2/NDF:460918.5/29

Out: 1678.495+/-0.268 χ^2/NDF:456541.7/34

All: 1692.472+/-0.194 χ^2/NDF: 923187.9/64



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1398.955+/-281.304 χ^2/NDF:39.0/15

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -280.880+/-287.483 χ^2/NDF:8.6/13

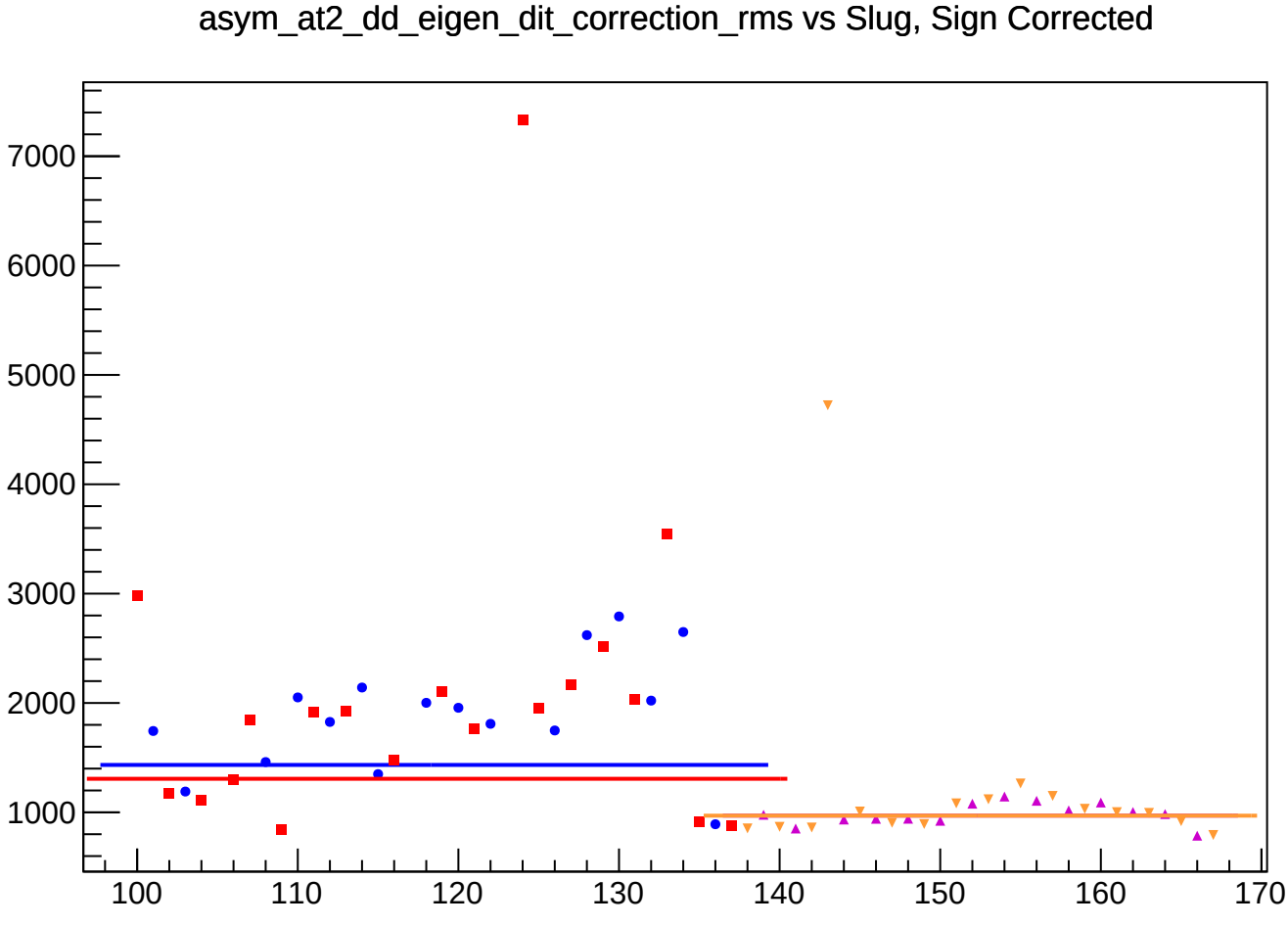
Left: 577.286+/-201.061 χ^2/NDF: 65.1/29

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

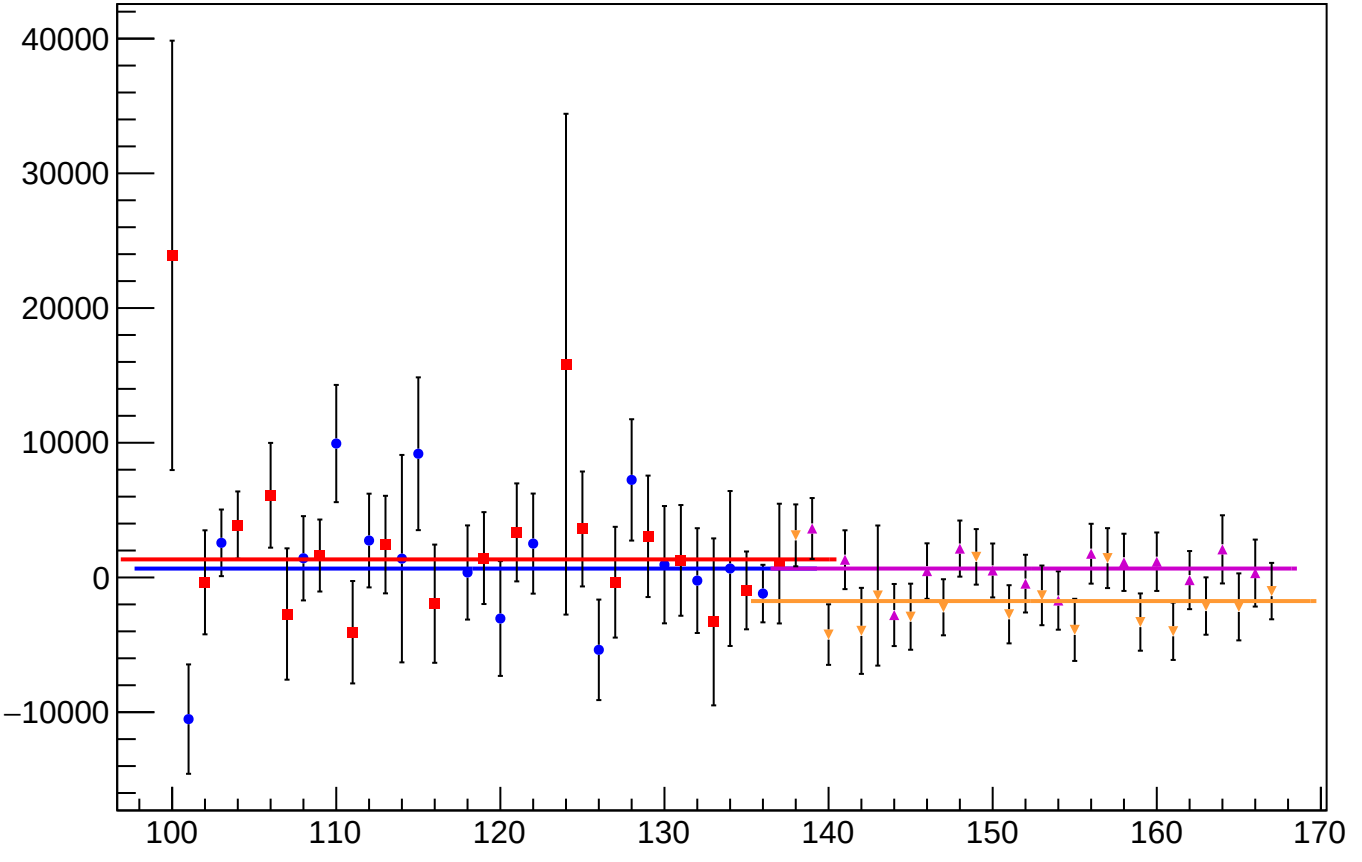
In: -7.442+/-256.831 χ^2/NDF:35.1/29

Out: 935.869+/-247.792 χ^2/NDF:64.7/34

All: 481.104+/-178.325 χ^2/NDF: 106.8/64


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 969.537+/-0.199 χ²/NDF:1387149.0/15
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 970.095+/-0.203 χ²/NDF:215956.6/13
Left: 969.810+/-0.142 χ²/NDF: 1603109.4/29
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1063.645+/-0.182 χ²/NDF:3028416.3/29
Out: 1045.124+/-0.175 χ²/NDF:4215444.8/34
All: 1054.053+/-0.126 χ²/NDF: 7249248.1/64

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1752.361+/-575.862 χ^2/NDF:14.0/15

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 661.702+/-586.260 χ^2/NDF:6.9/13

Left: -566.928+/-410.823 χ^2/NDF: 29.5/29

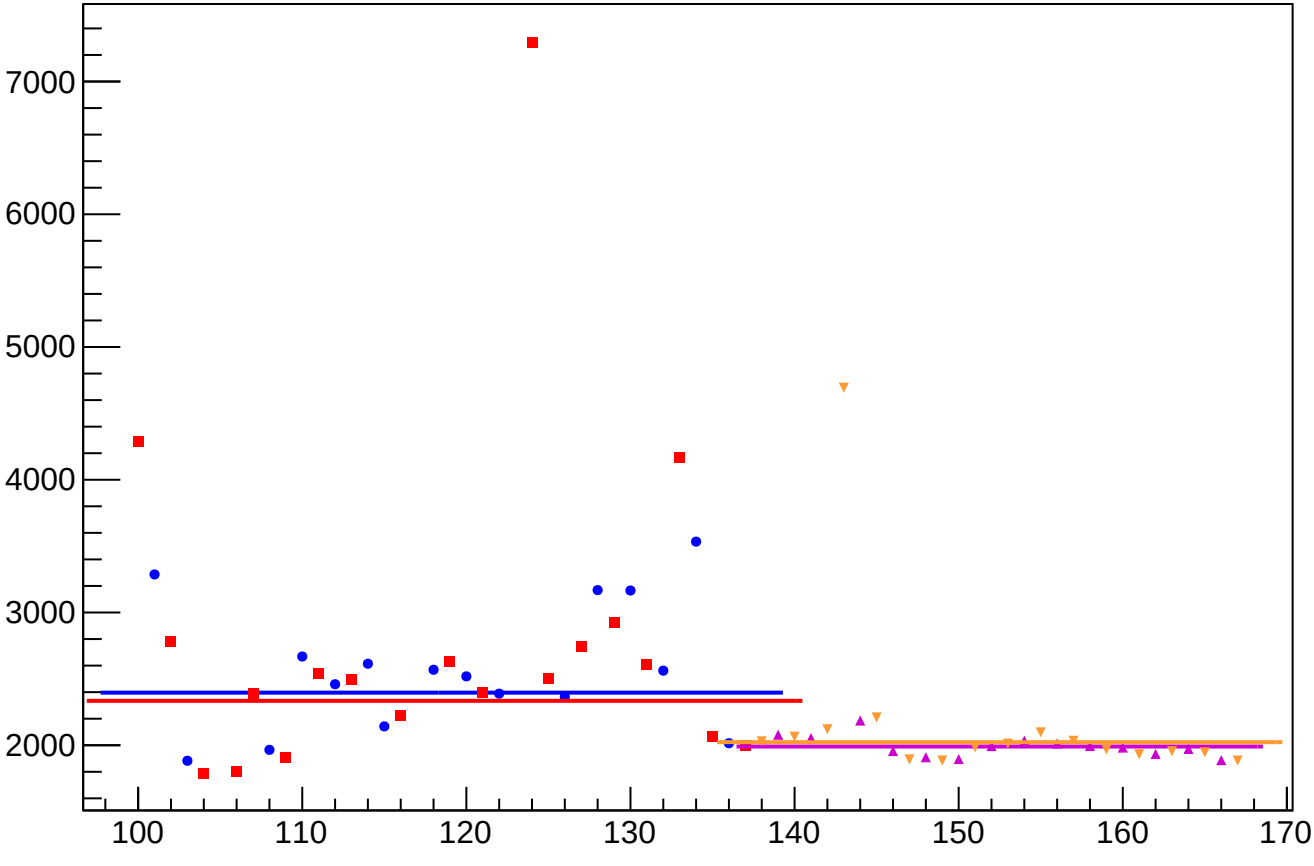
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 661.043+/-492.770 χ^2/NDF:28.9/29

Out: -840.026+/-483.574 χ^2/NDF:33.4/34

All: -103.629+/-345.144 χ^2/NDF: 67.0/64

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2023.270+/-0.407 χ^2/NDF:578446.4/15

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1990.485+/-0.415 χ^2/NDF:33203.3/13

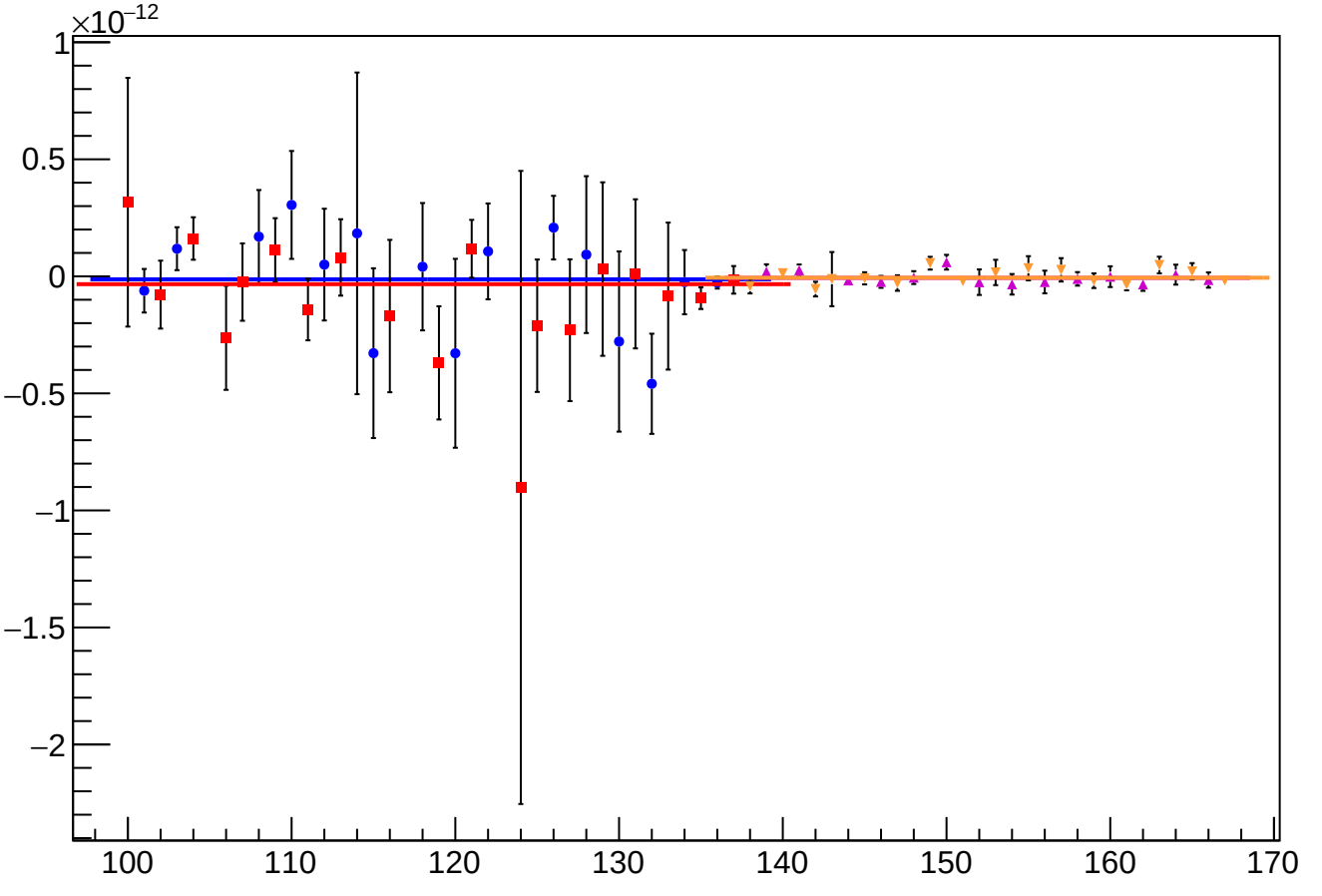
Left: 2007.171+/-0.290 χ^2/NDF: 614832.9/29

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2109.587+/-0.348 χ^2/NDF:822336.4/29

Out: 2115.061+/-0.342 χ^2/NDF:1432361.8/34

All: 2112.376+/-0.244 χ^2/NDF: 2254823.9/64



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/13

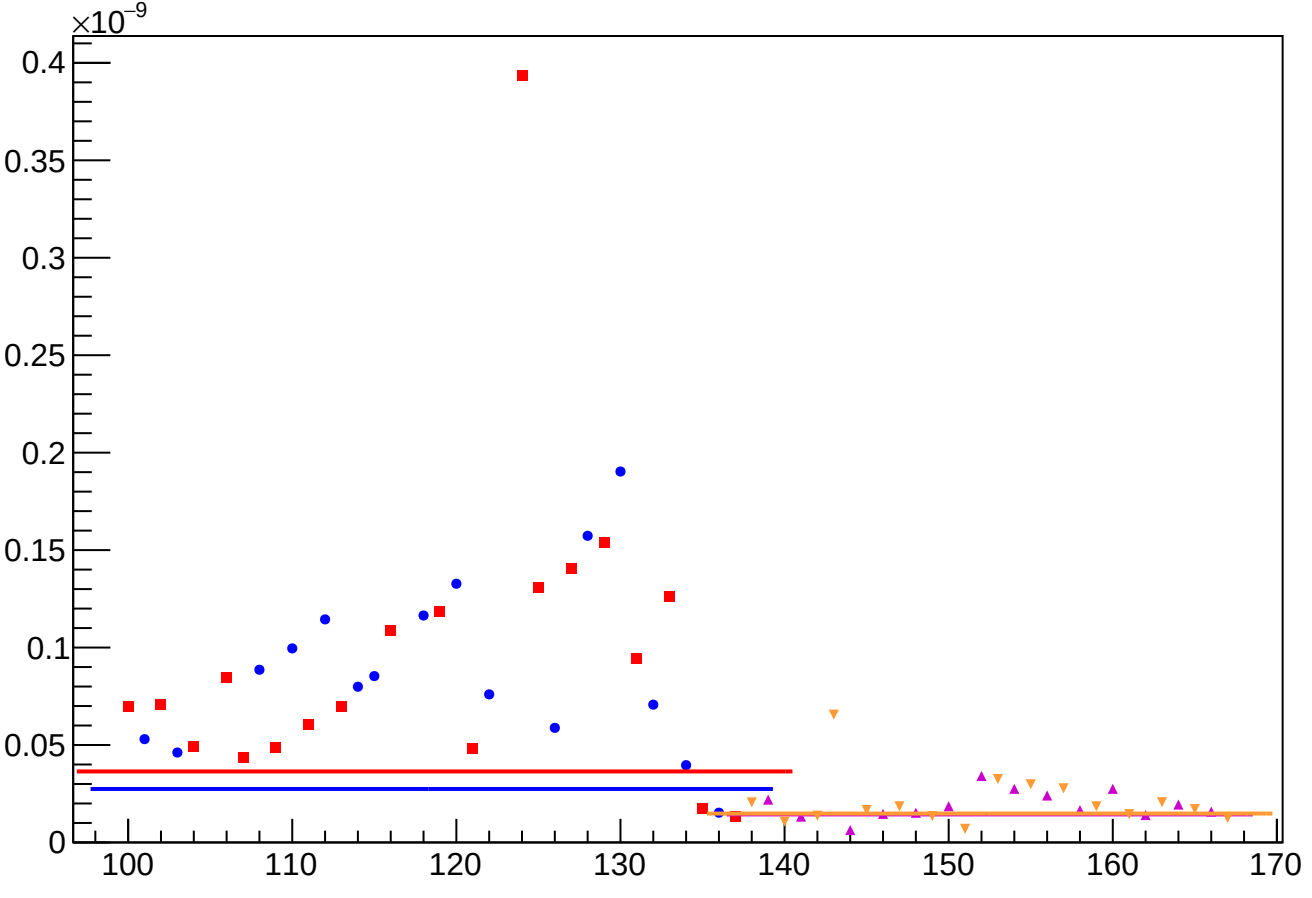
Left: -0.000+/-0.000 χ^2/NDF: 26.9/29

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:24.8/29

Out: -0.000+/-0.000 χ^2/NDF:33.1/34

All: -0.000+/-0.000 χ^2/NDF: 57.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1577315.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1570901.0/13

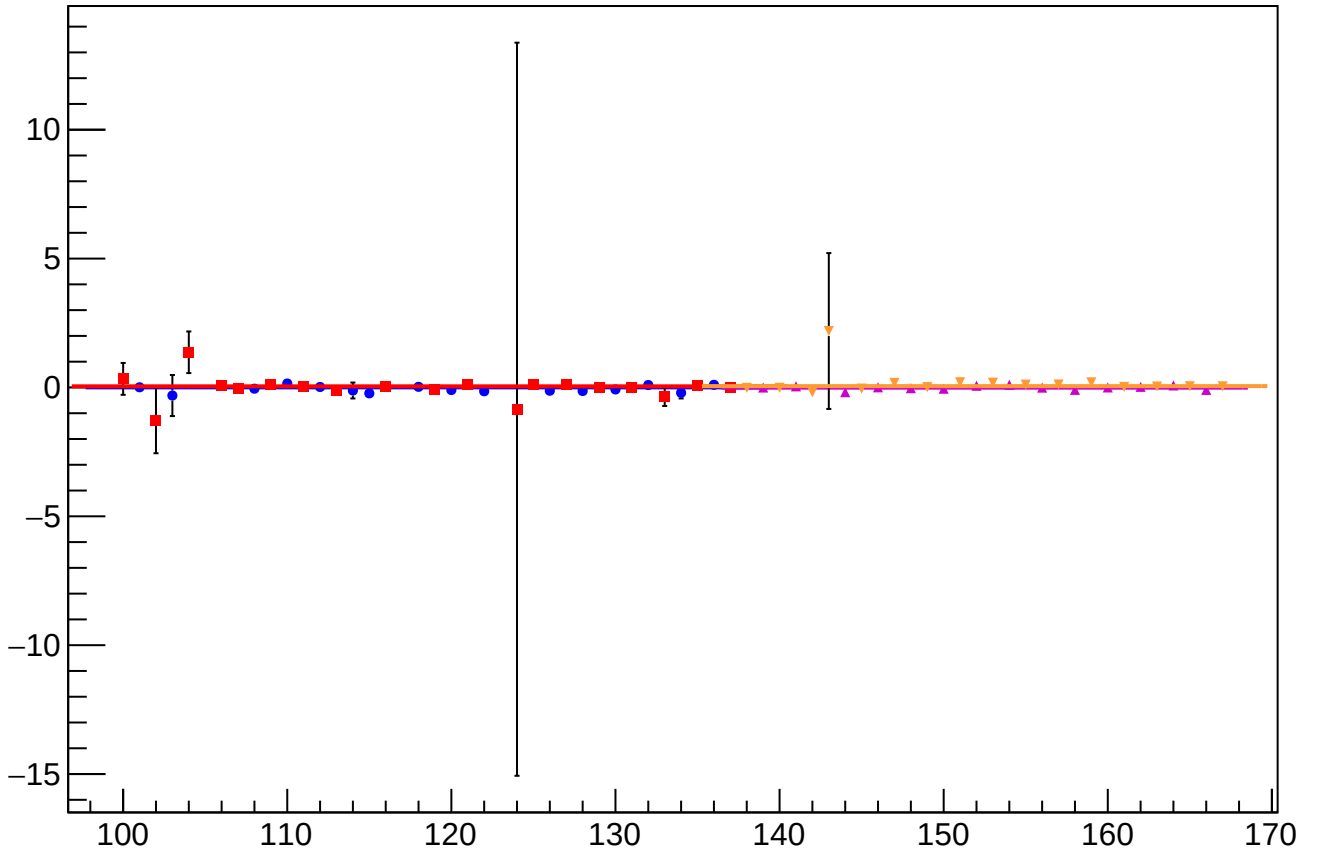
Left: 0.000+/-0.000 χ^2/NDF: 3151955.6/29

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4919850.5/29

Out: 0.000+/-0.000 χ^2/NDF:5136920.2/34

All: 0.000+/-0.000 χ^2/NDF: 10060882.2/64



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.021 χ^2/NDF:9.2/13

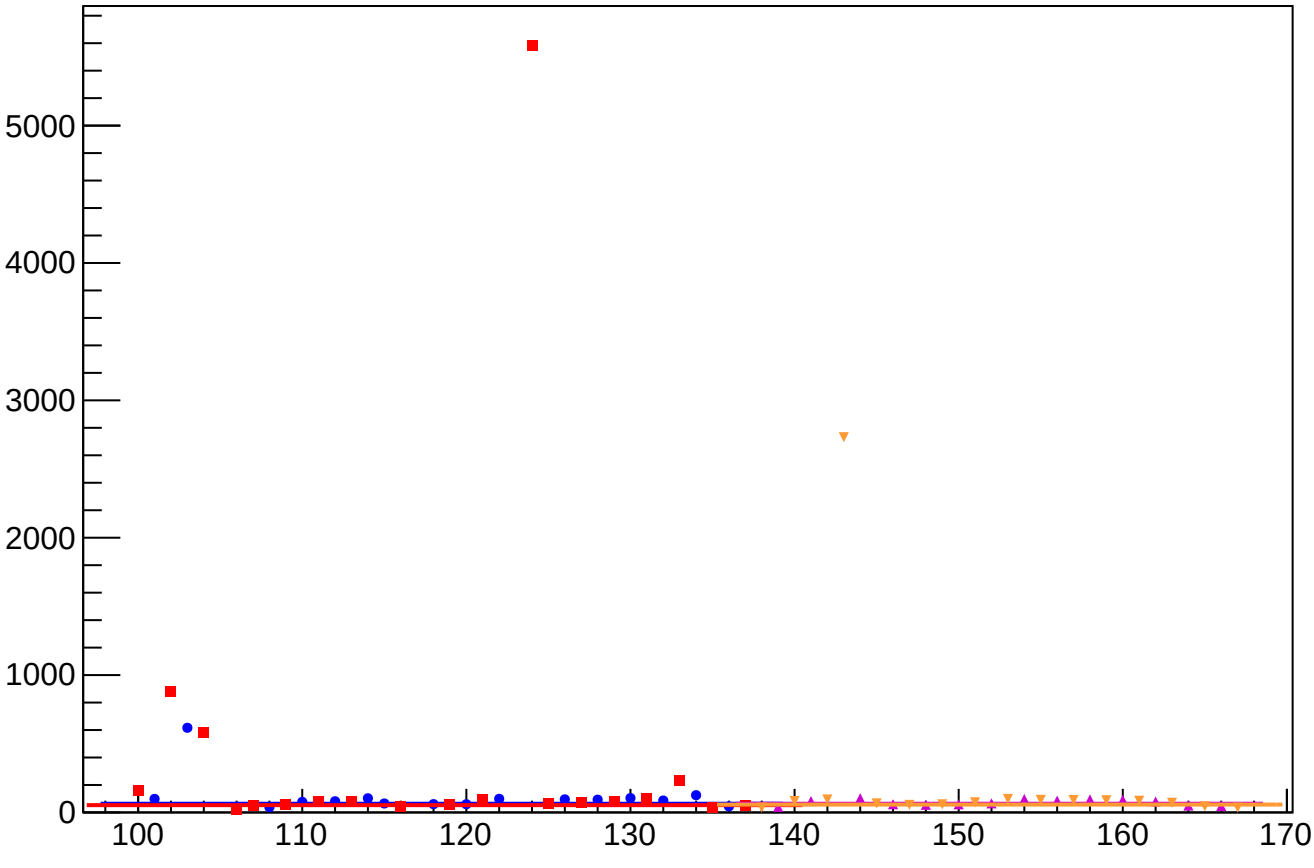
Left: 0.025+/-0.014 χ^2/NDF: 33.2/29

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.016 χ^2/NDF:22.6/29

Out: 0.049+/-0.015 χ^2/NDF:32.1/34

All: 0.025+/-0.011 χ^2/NDF: 60.3/64



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.334+/-0.013 χ^2/NDF:4197243.5/15

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 63.546+/-0.015 χ^2/NDF:1740589.6/13

Left: 60.145+/-0.010 χ^2/NDF: 6038156.2/29

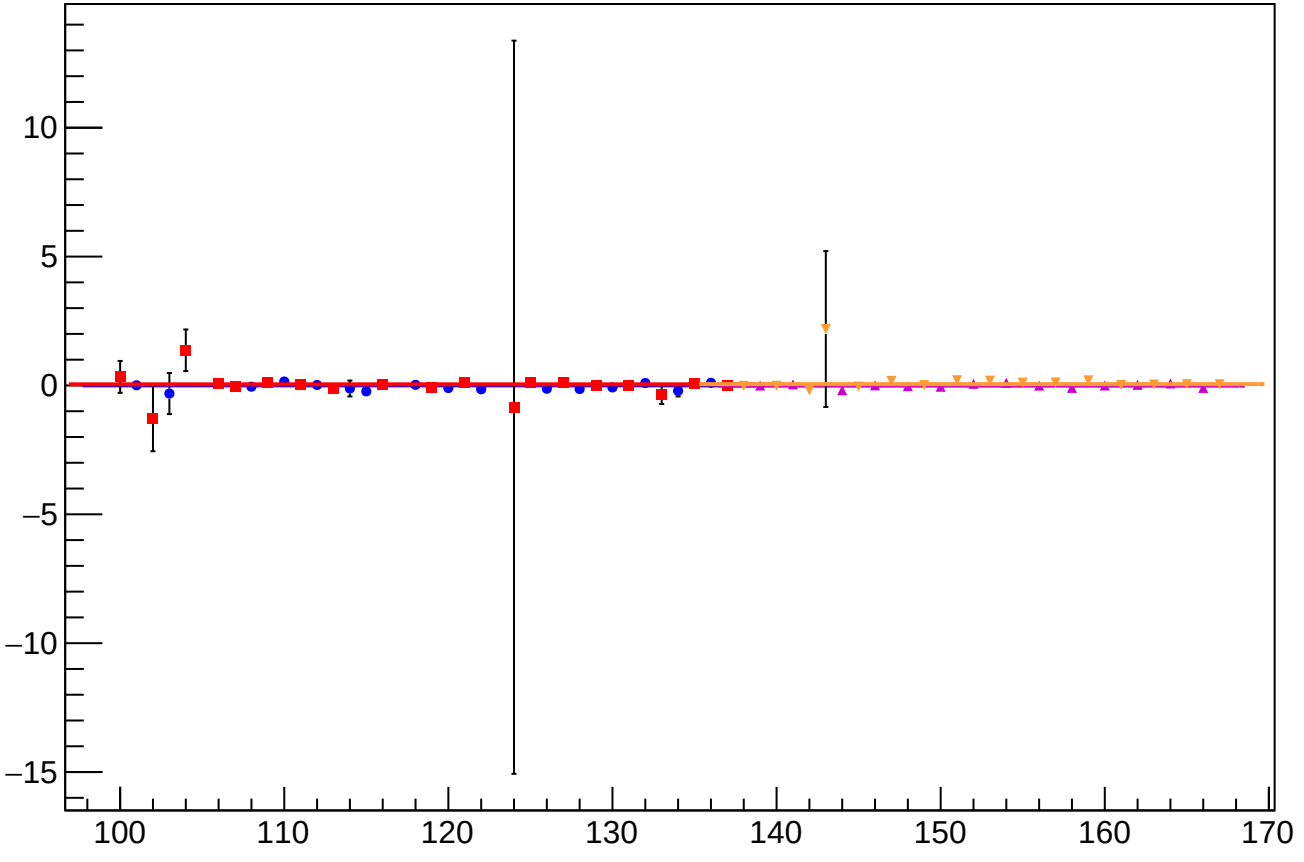
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 63.513+/-0.012 χ^2/NDF:4185859.4/29

Out: 55.845+/-0.011 χ^2/NDF:8178332.7/34

All: 59.320+/-0.008 χ^2/NDF: 12603665.6/64

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.021 χ^2/NDF:9.2/13

Left: 0.025+/-0.014 χ^2/NDF: 33.2/29

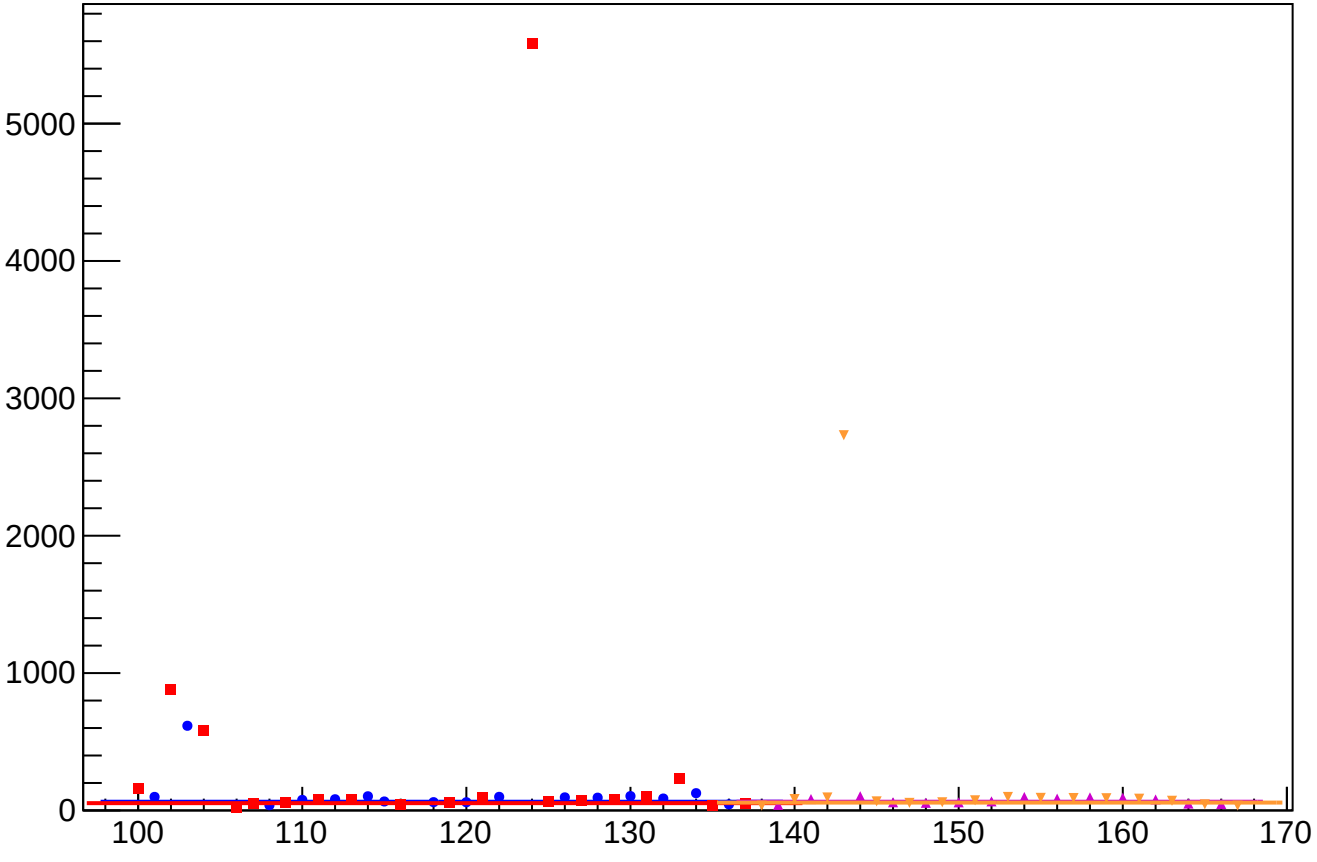
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.016 χ^2/NDF:22.6/29

Out: 0.049+/-0.015 χ^2/NDF:32.1/34

All: 0.025+/-0.011 χ^2/NDF: 60.3/64

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.334+/-0.013 χ^2/NDF:4197243.5/15

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 63.546+/-0.015 χ^2/NDF:1740589.6/13

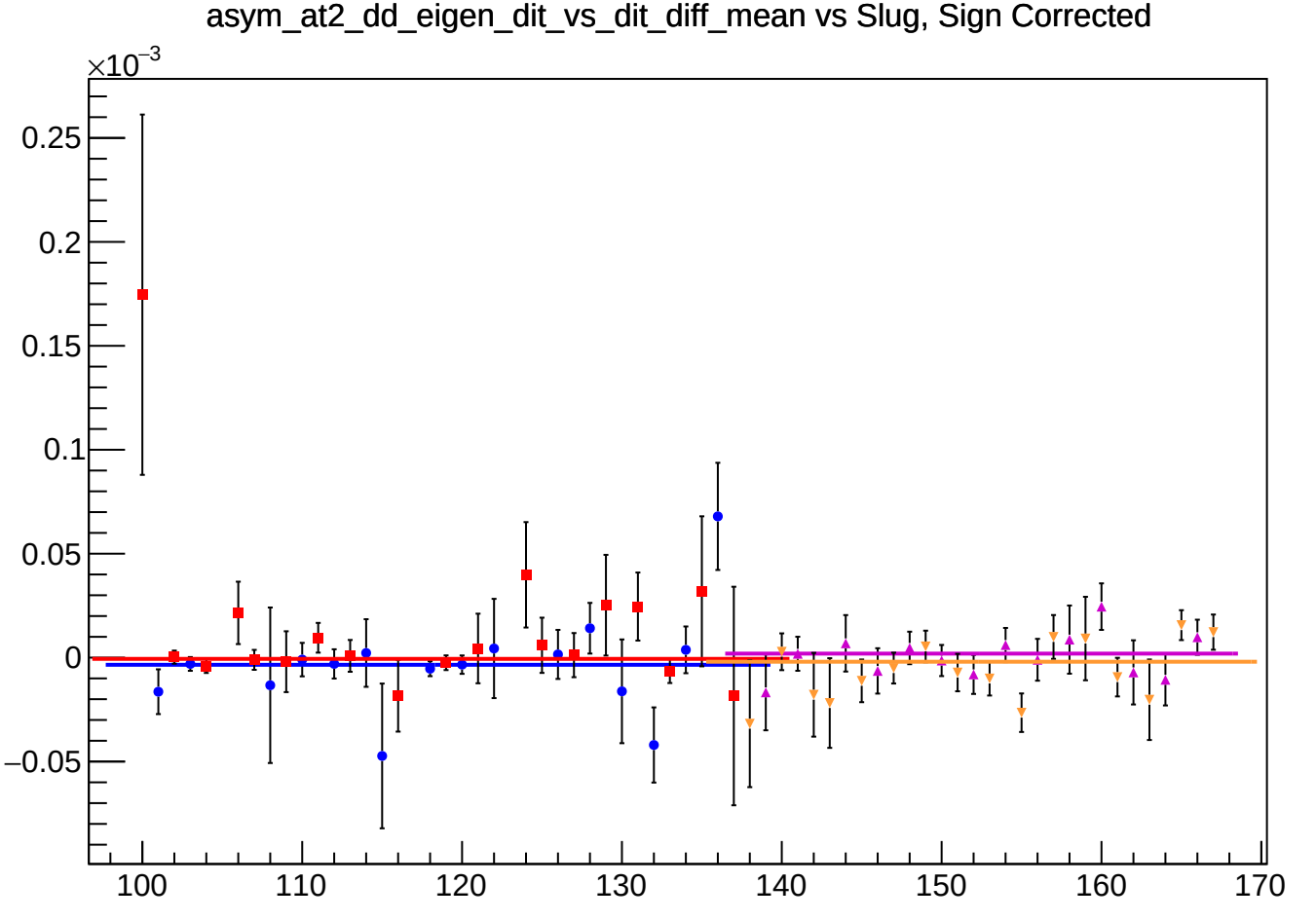
Left: 60.145+/-0.010 χ^2/NDF: 6038156.2/29

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 63.513+/-0.012 χ^2/NDF:4185859.4/29

Out: 55.845+/-0.011 χ^2/NDF:8178332.7/34

All: 59.320+/-0.008 χ^2/NDF: 12603665.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/13

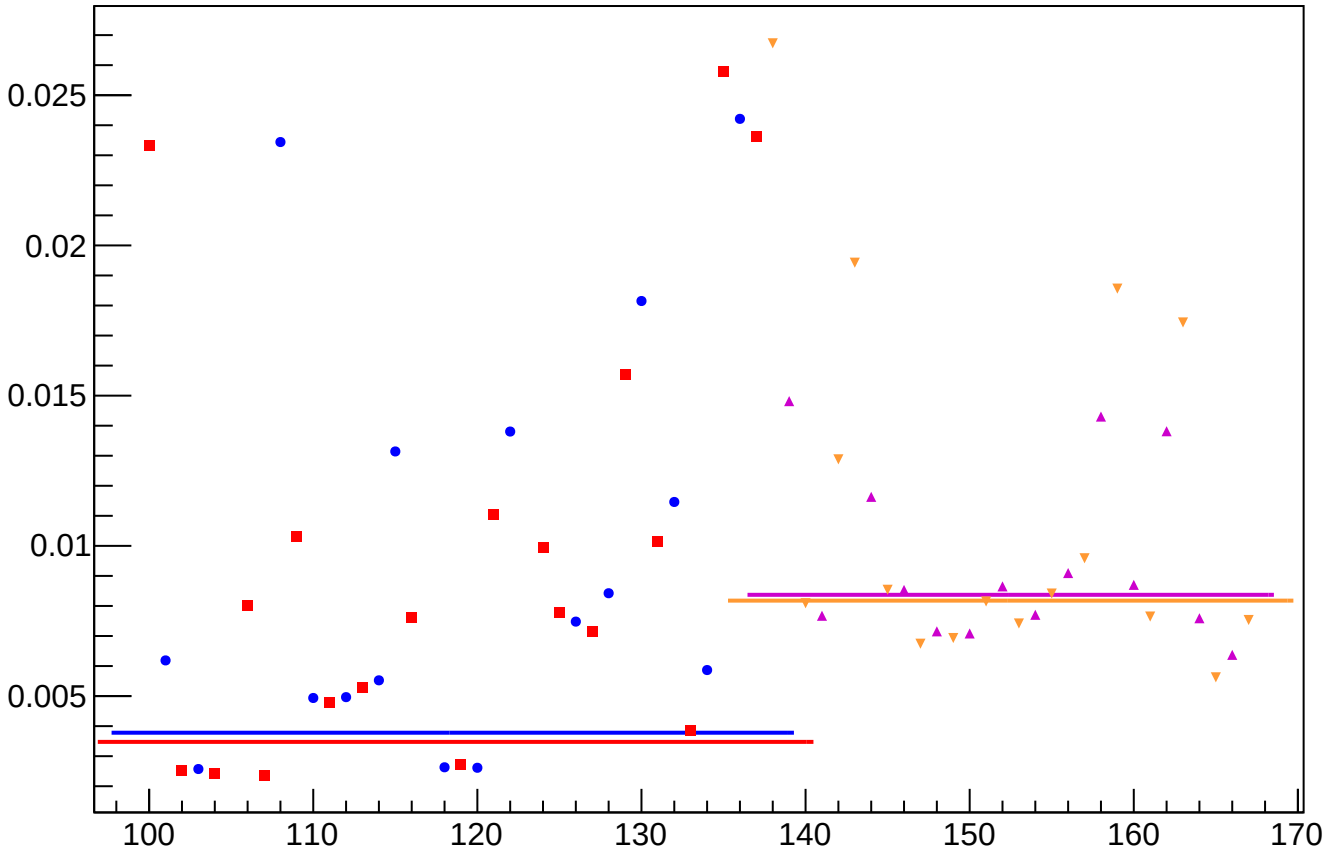
Left: -0.000+/-0.000 χ^2/NDF: 36.1/29

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:31.7/29

Out: -0.000+/-0.000 χ^2/NDF:44.3/34

All: -0.000+/-0.000 χ^2/NDF: 76.1/64



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2839802.8/15

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.008+/-0.000 χ^2/NDF:1144809.0/13

Left: 0.008+/-0.000 χ^2/NDF: 3990185.0/29

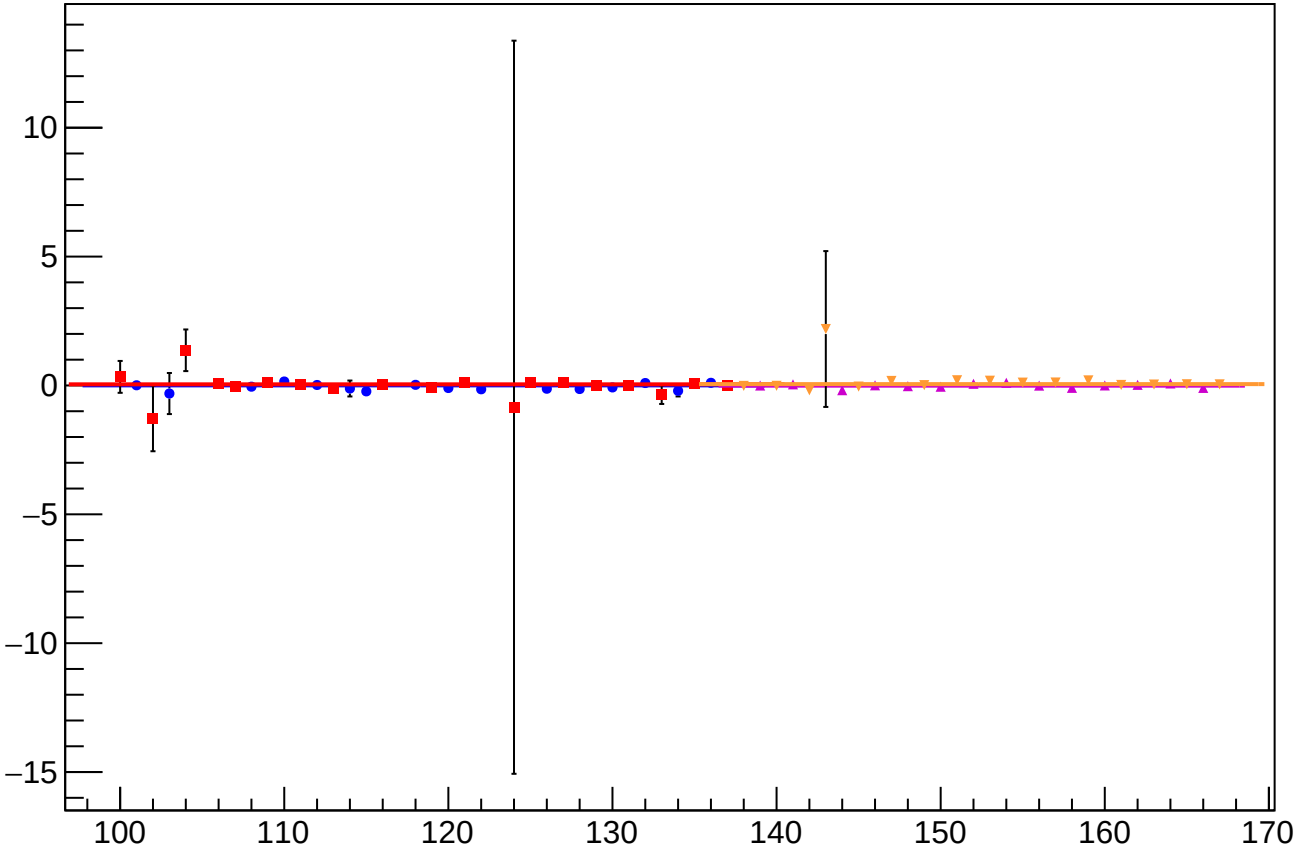
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:9856589.9/29

Out: 0.005+/-0.000 χ^2/NDF:12488968.5/34

All: 0.005+/-0.000 χ^2/NDF: 22445612.7/64

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.021 χ^2/NDF:9.2/13

Left: 0.025+/-0.014 χ^2/NDF: 33.2/29

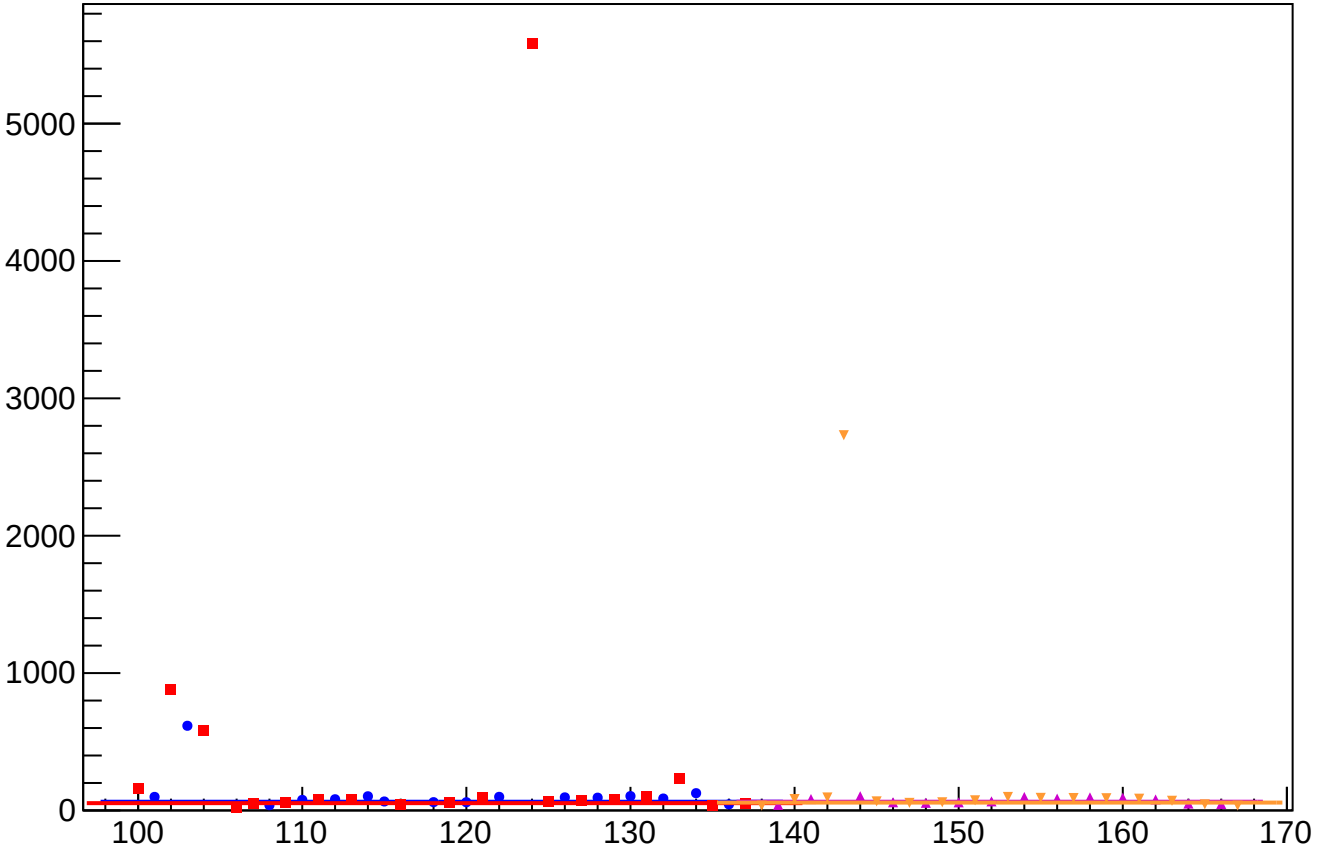
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.016 χ^2/NDF:22.6/29

Out: 0.049+/-0.015 χ^2/NDF:32.1/34

All: 0.025+/-0.011 χ^2/NDF: 60.3/64

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.333+/-0.013 χ^2/NDF:4196936.5/15

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 63.549+/-0.015 χ^2/NDF:1740118.2/13

Left: 60.145+/-0.010 χ^2/NDF: 6037492.0/29

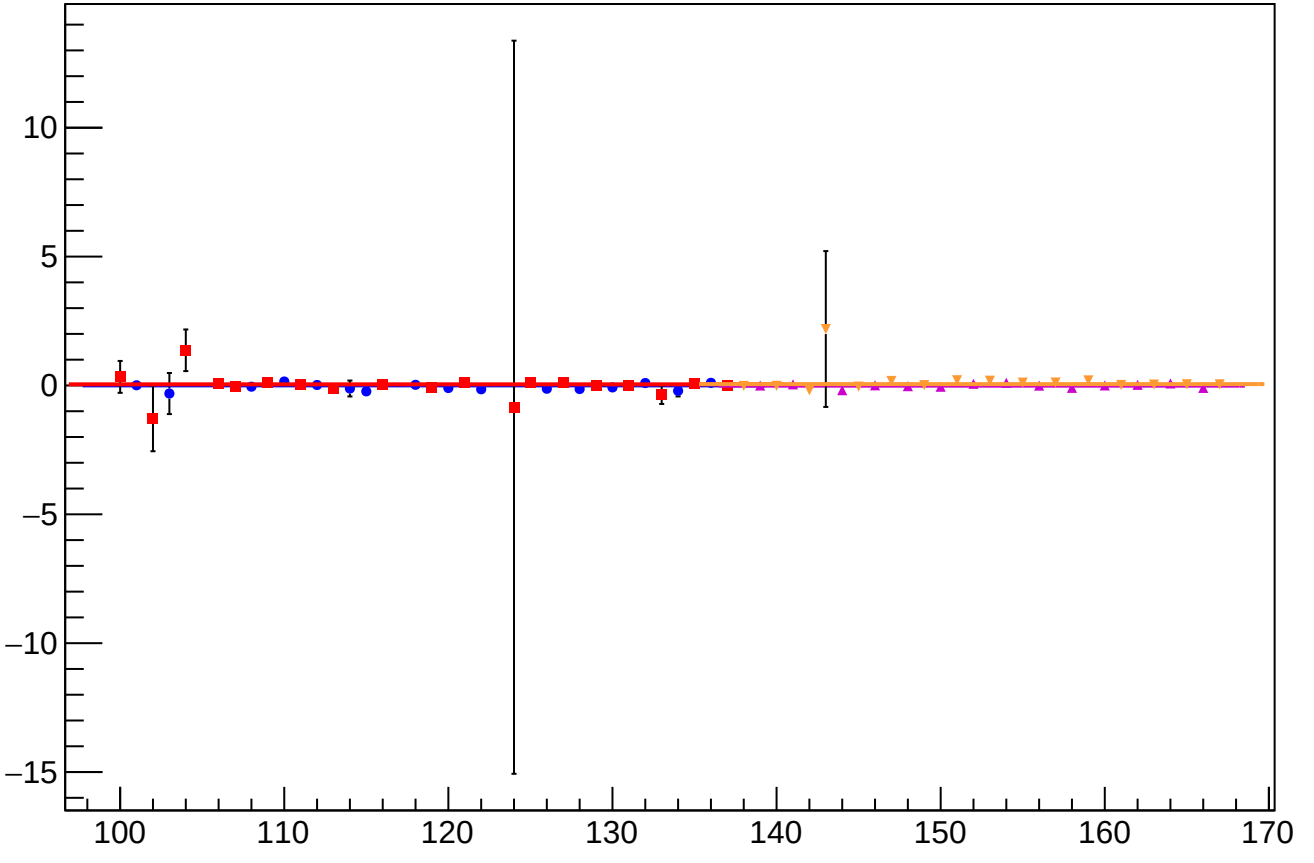
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 63.518+/-0.012 χ^2/NDF:4184488.2/29

Out: 55.842+/-0.011 χ^2/NDF:8178648.4/34

All: 59.320+/-0.008 χ^2/NDF: 12603067.6/64

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.021 χ^2/NDF:9.2/13

Left: 0.025+/-0.014 χ^2/NDF: 33.2/29

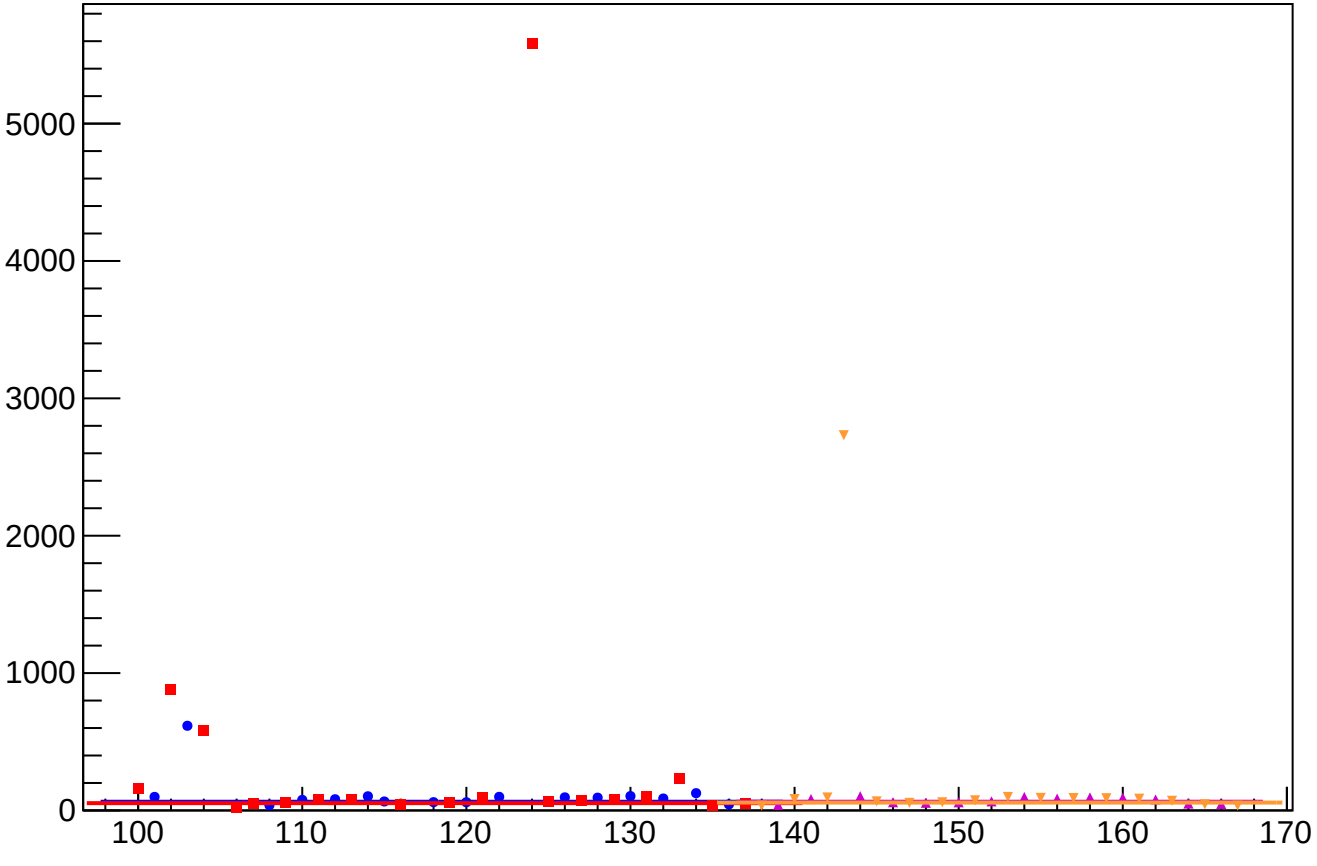
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.016 χ^2/NDF:22.6/29

Out: 0.049+/-0.015 χ^2/NDF:32.1/34

All: 0.025+/-0.011 χ^2/NDF: 60.3/64

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.333+/-0.013 χ^2/NDF:4196936.5/15

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 63.549+/-0.015 χ^2/NDF:1740118.2/13

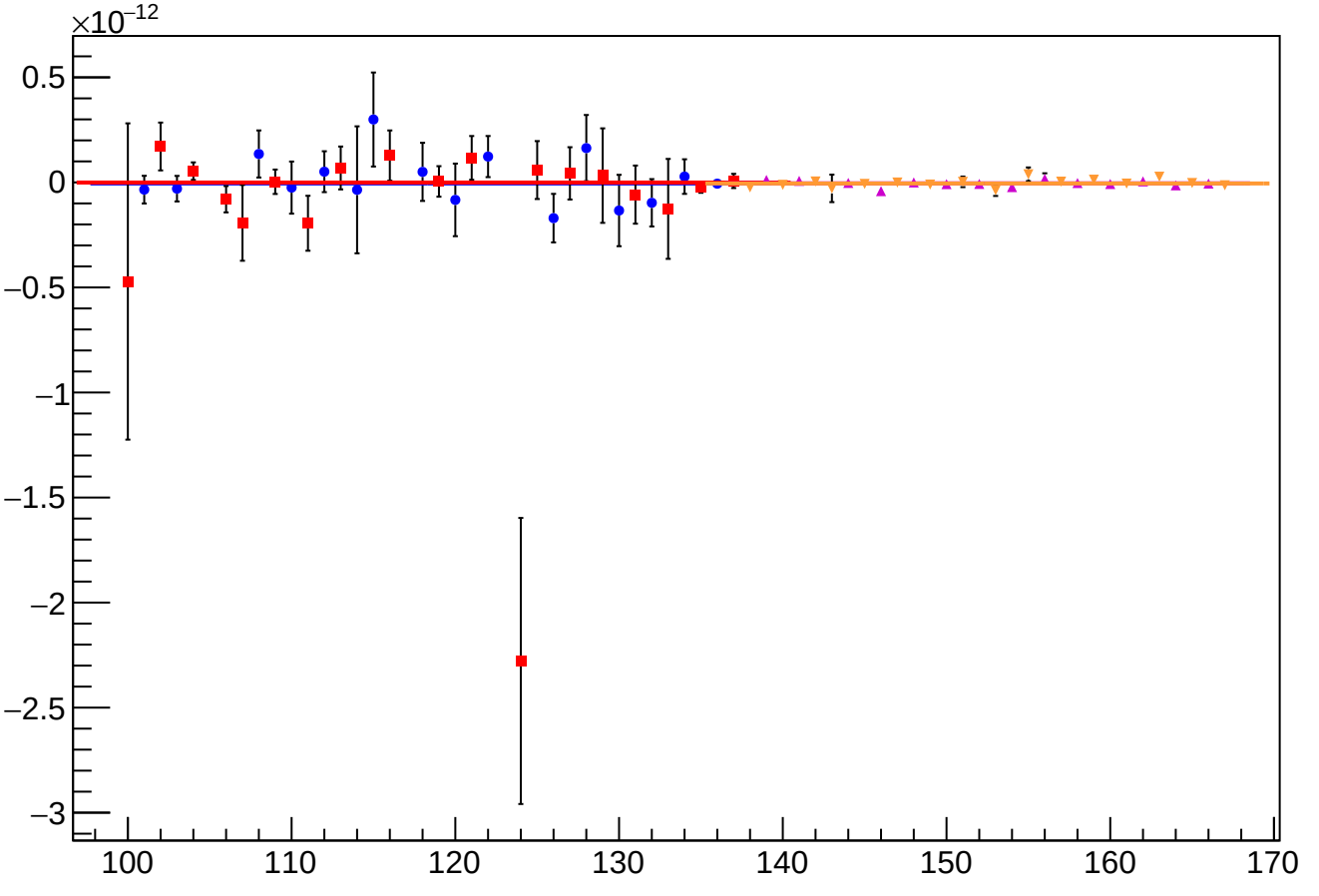
Left: 60.145+/-0.010 χ^2/NDF: 6037492.0/29

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 63.518+/-0.012 χ^2/NDF:4184488.2/29

Out: 55.842+/-0.011 χ^2/NDF:8178648.4/34

All: 59.320+/-0.008 χ^2/NDF: 12603067.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/13

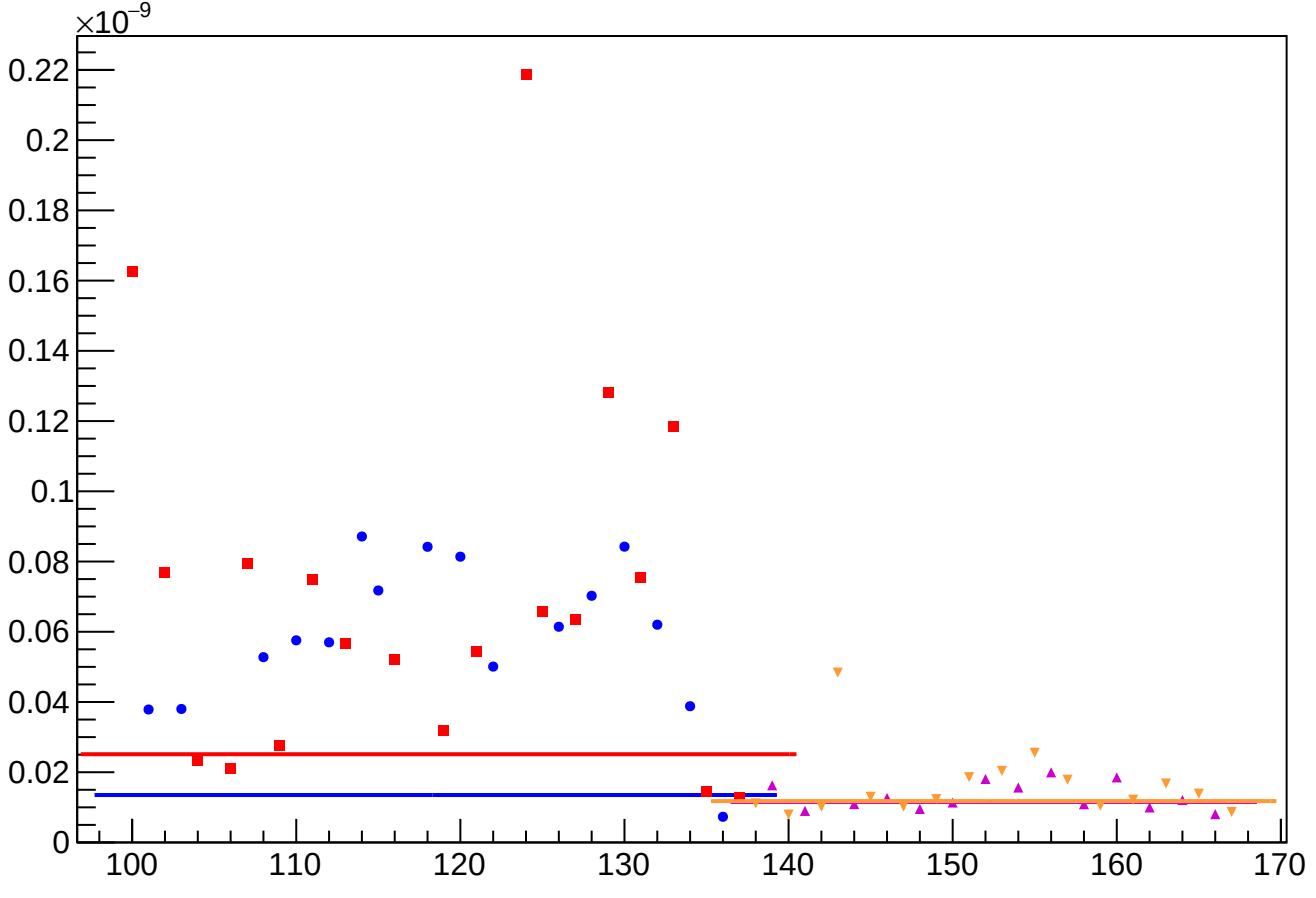
Left: -0.000+/-0.000 χ^2/NDF: 19.3/29

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:19.9/29

Out: -0.000+/-0.000 χ^2/NDF:35.4/34

All: -0.000+/-0.000 χ^2/NDF: 55.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2078676.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1043491.6/13

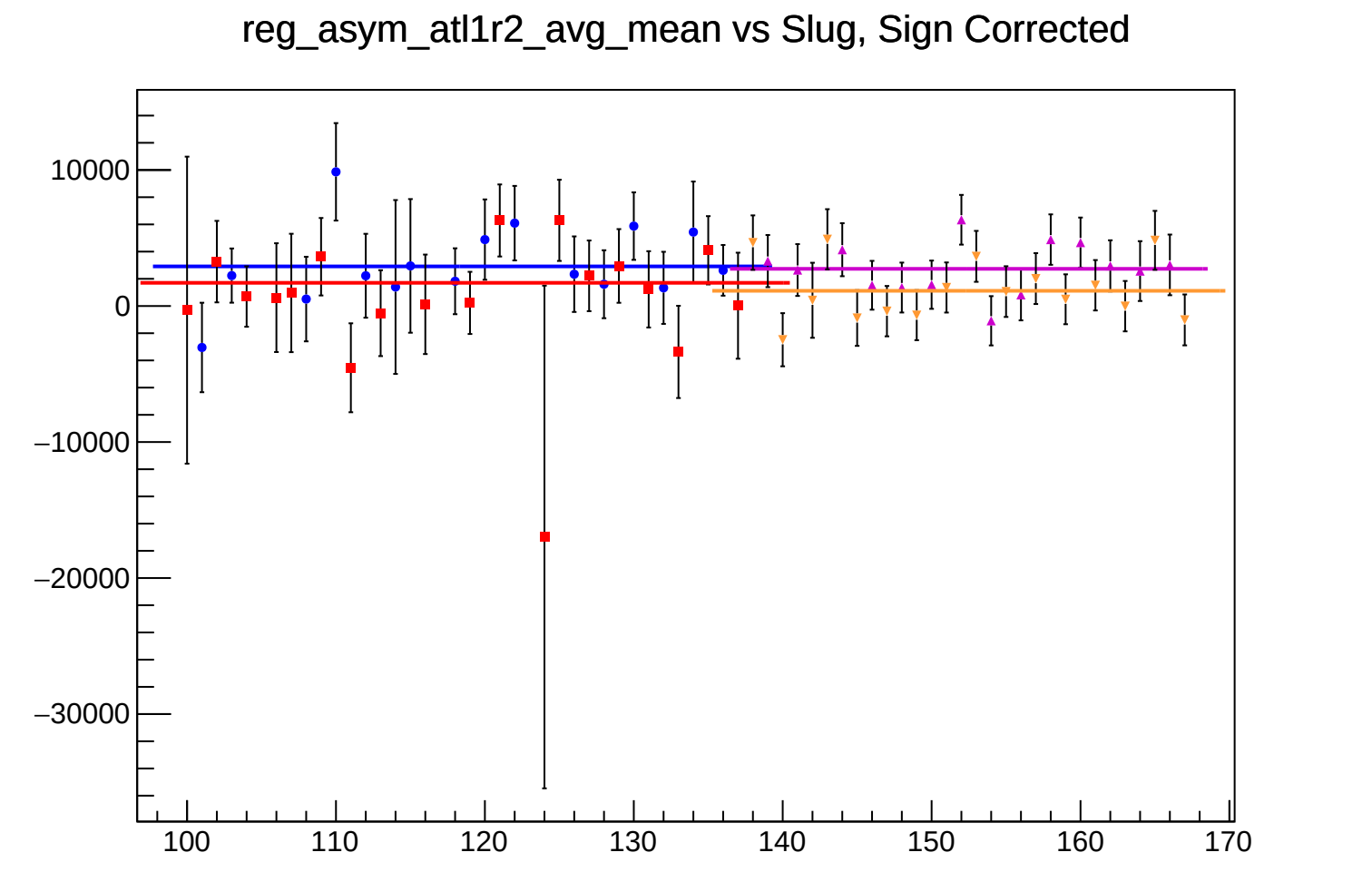
Left: 0.000+/-0.000 χ^2/NDF: 3126067.8/29

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:6101045.2/29

Out: 0.000+/-0.000 χ^2/NDF:7112683.7/34

All: 0.000+/-0.000 χ^2/NDF: 13270413.4/64



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1118.565+/-487.607 χ^2/NDF:18.9/15

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2733.966+/-506.283 χ^2/NDF:13.9/13

Left: 1895.922+/-351.207 χ^2/NDF: 38.1/29

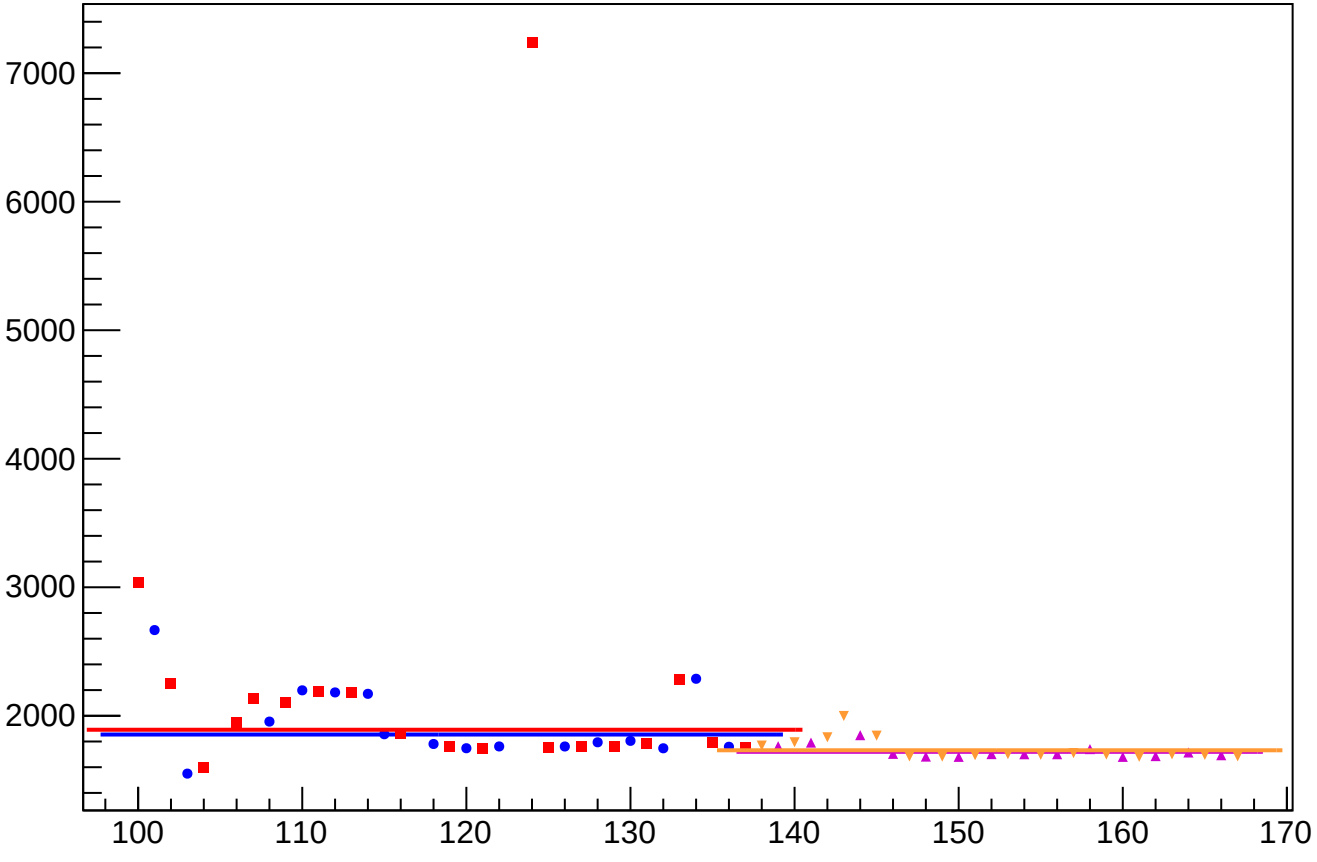
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2796.024+/-409.230 χ^2/NDF:26.4/29

Out: 1307.621+/-401.370 χ^2/NDF:35.2/34

All: 2037.393+/-286.550 χ^2/NDF: 68.4/64

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1731.744+/-0.345 χ^2/NDF:50380.3/15

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1719.794+/-0.358 χ^2/NDF:17330.8/13

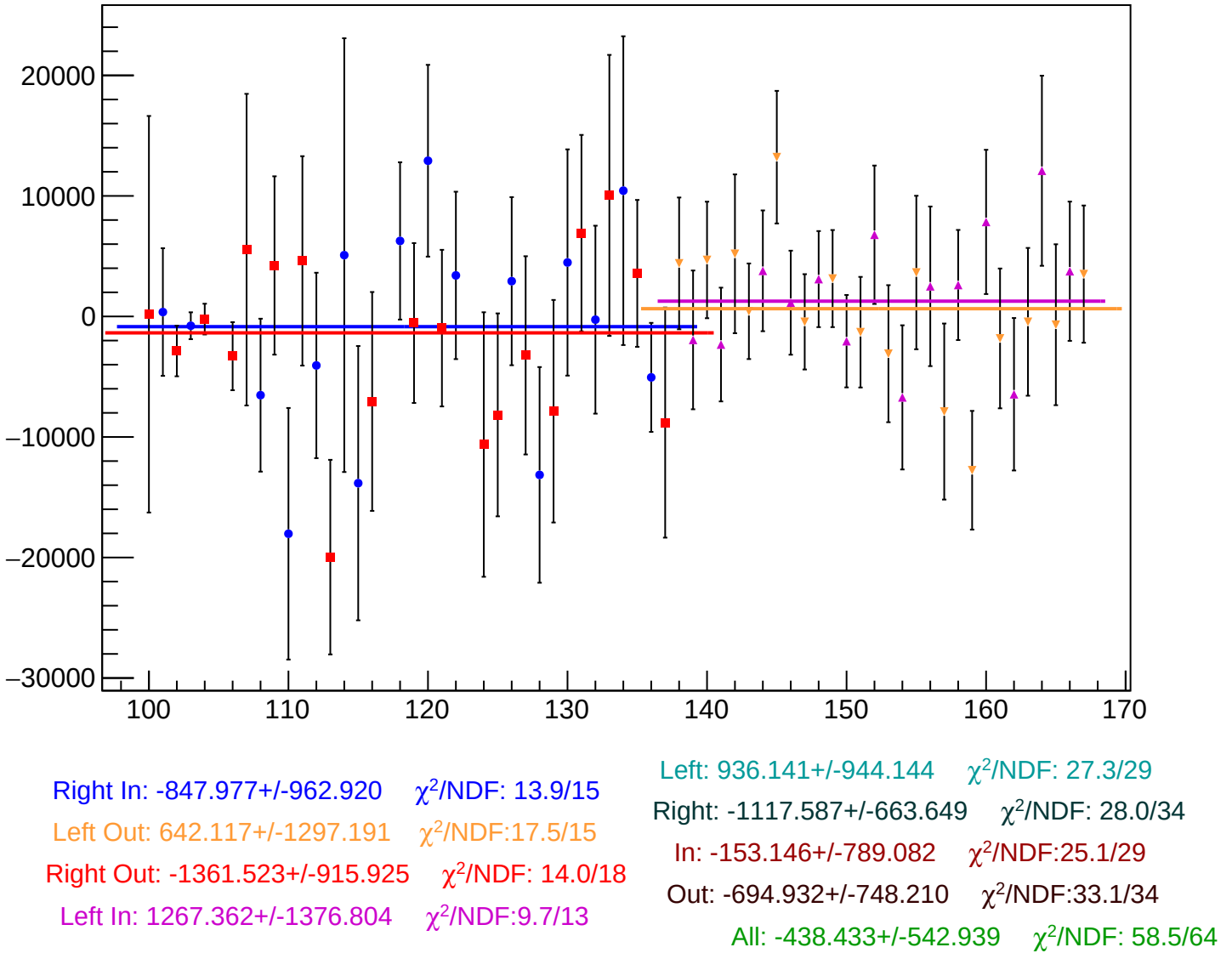
Left: 1725.994+/-0.248 χ^2/NDF: 68289.2/29

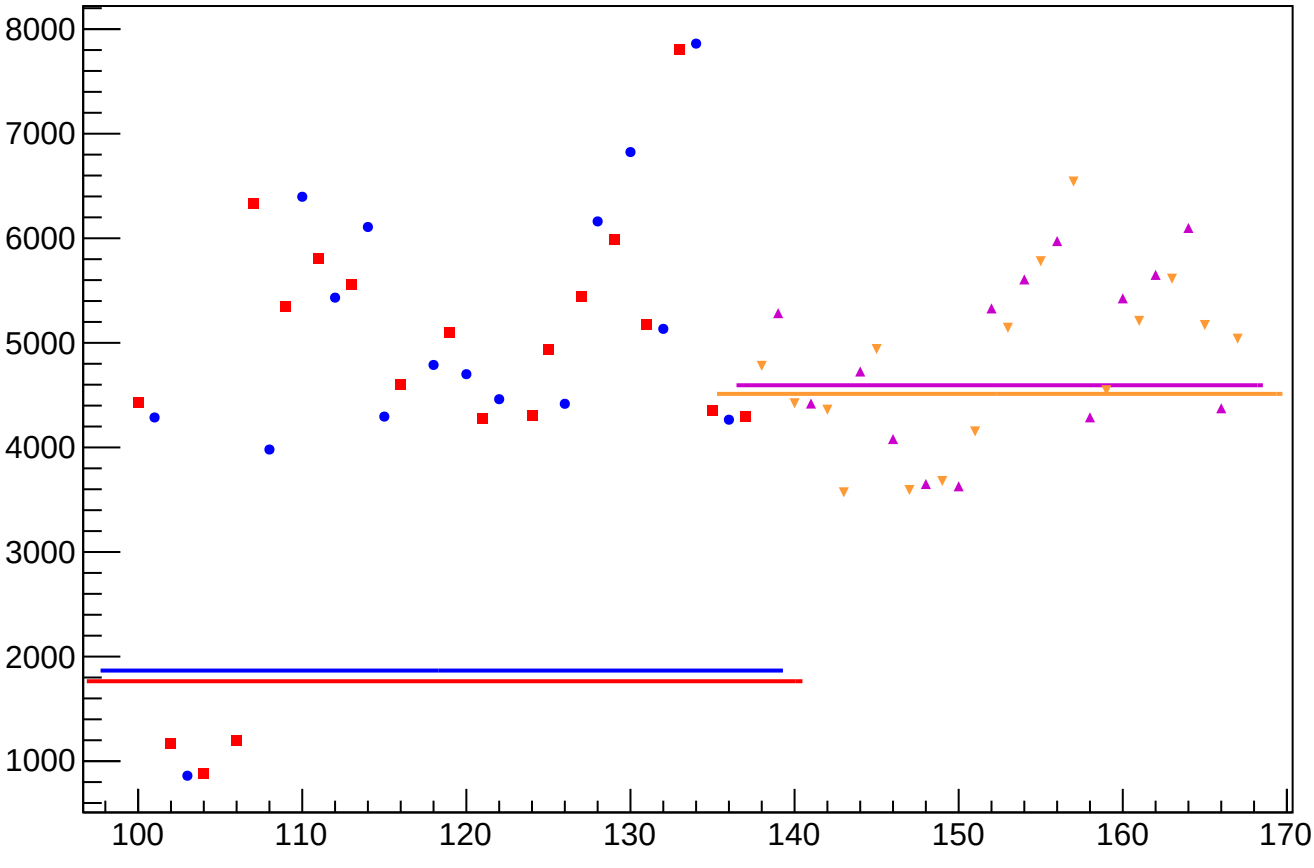
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1766.425+/-0.289 χ^2/NDF:329597.5/29

Out: 1783.407+/-0.284 χ^2/NDF:483843.8/34

All: 1775.087+/-0.203 χ^2/NDF: 815198.0/64


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 642.117+/-1297.191 χ²/NDF:17.5/15
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: 1267.362+/-1376.804 χ²/NDF:9.7/13
Left: 936.141+/-944.144 χ²/NDF: 27.3/29
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -153.146+/-789.082 χ²/NDF:25.1/29
Out: -694.932+/-748.210 χ²/NDF:33.1/34
All: -438.433+/-542.939 χ²/NDF: 58.5/64



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4512.225+/-0.917 χ^2/NDF:726266.0/15

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4594.580+/-0.974 χ^2/NDF:656142.3/13

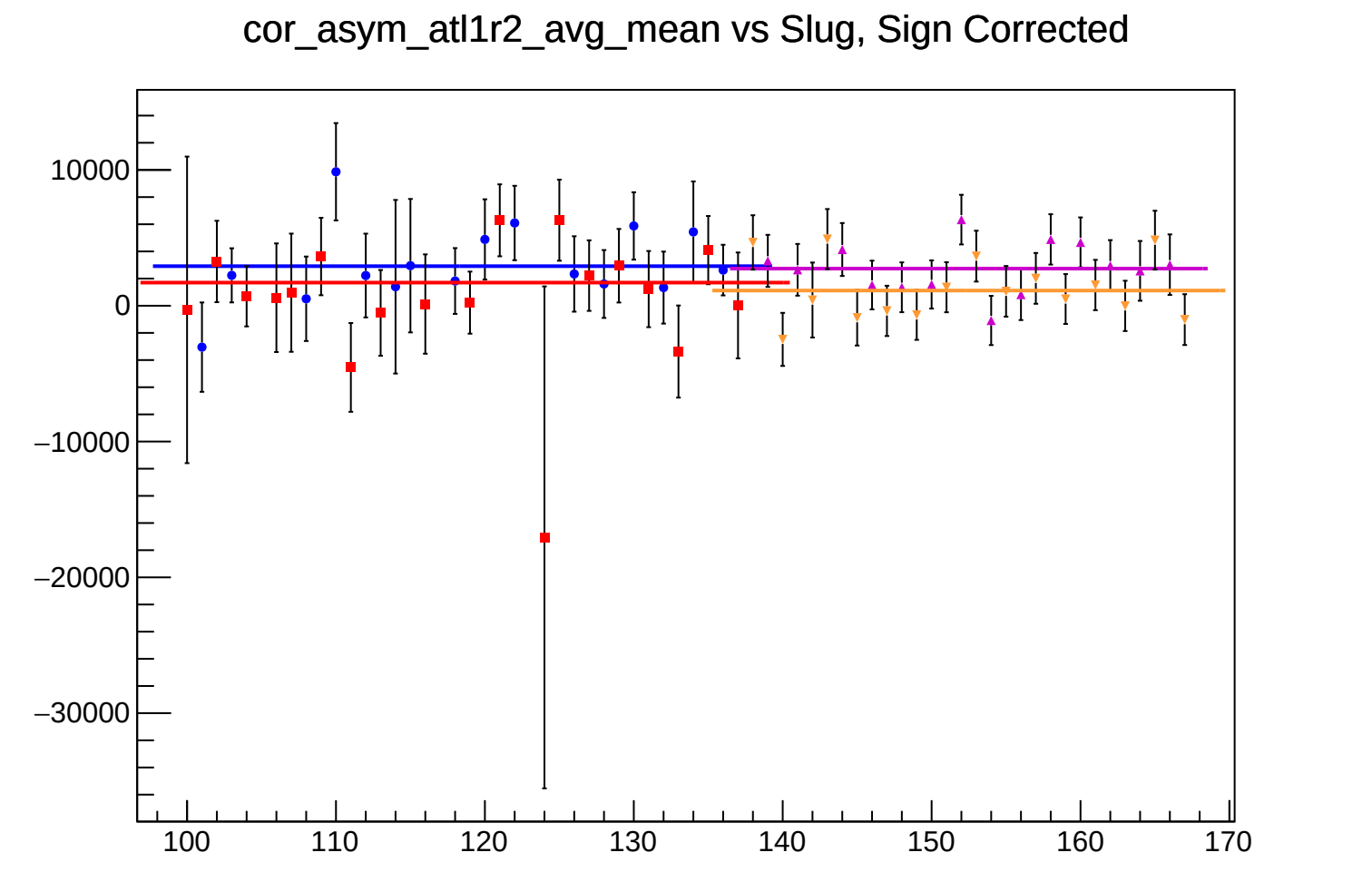
Left: 4550.952+/-0.668 χ^2/NDF: 1386199.1/29

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2762.536+/-0.558 χ^2/NDF:12779215.8/29

Out: 2678.494+/-0.529 χ^2/NDF:13150224.8/34

All: 2718.282+/-0.384 χ^2/NDF: 25941387.0/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1118.423+/-487.607 χ^2/NDF:18.9/15

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2734.033+/-506.283 χ^2/NDF:13.9/13

Left: 1895.880+/-351.207 χ^2/NDF: 38.1/29

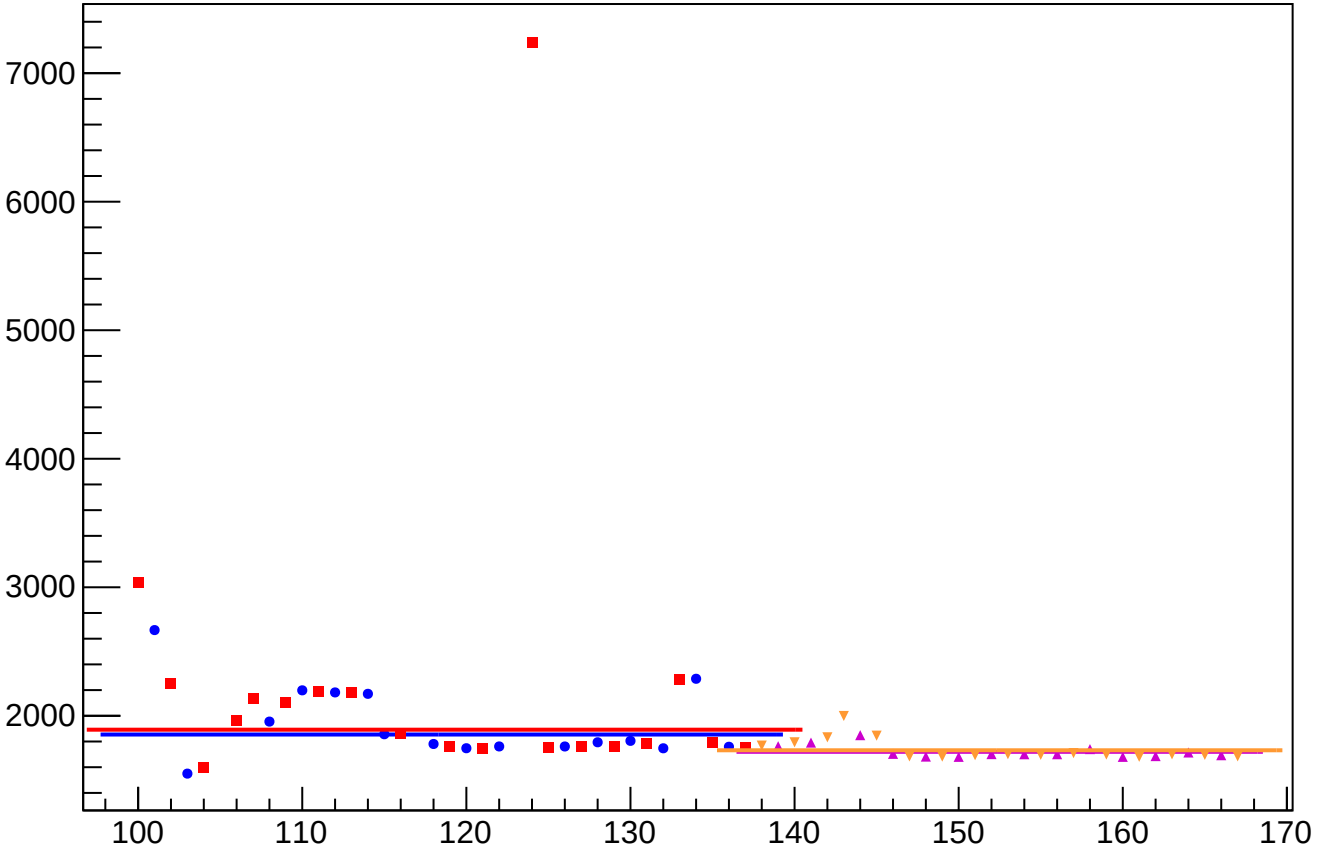
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2796.103+/-409.230 χ^2/NDF:26.4/29

Out: 1307.079+/-401.371 χ^2/NDF:35.2/34

All: 2037.156+/-286.550 χ^2/NDF: 68.4/64

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1731.744+/-0.345 χ^2/NDF:50380.3/15

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1719.794+/-0.358 χ^2/NDF:17330.8/13

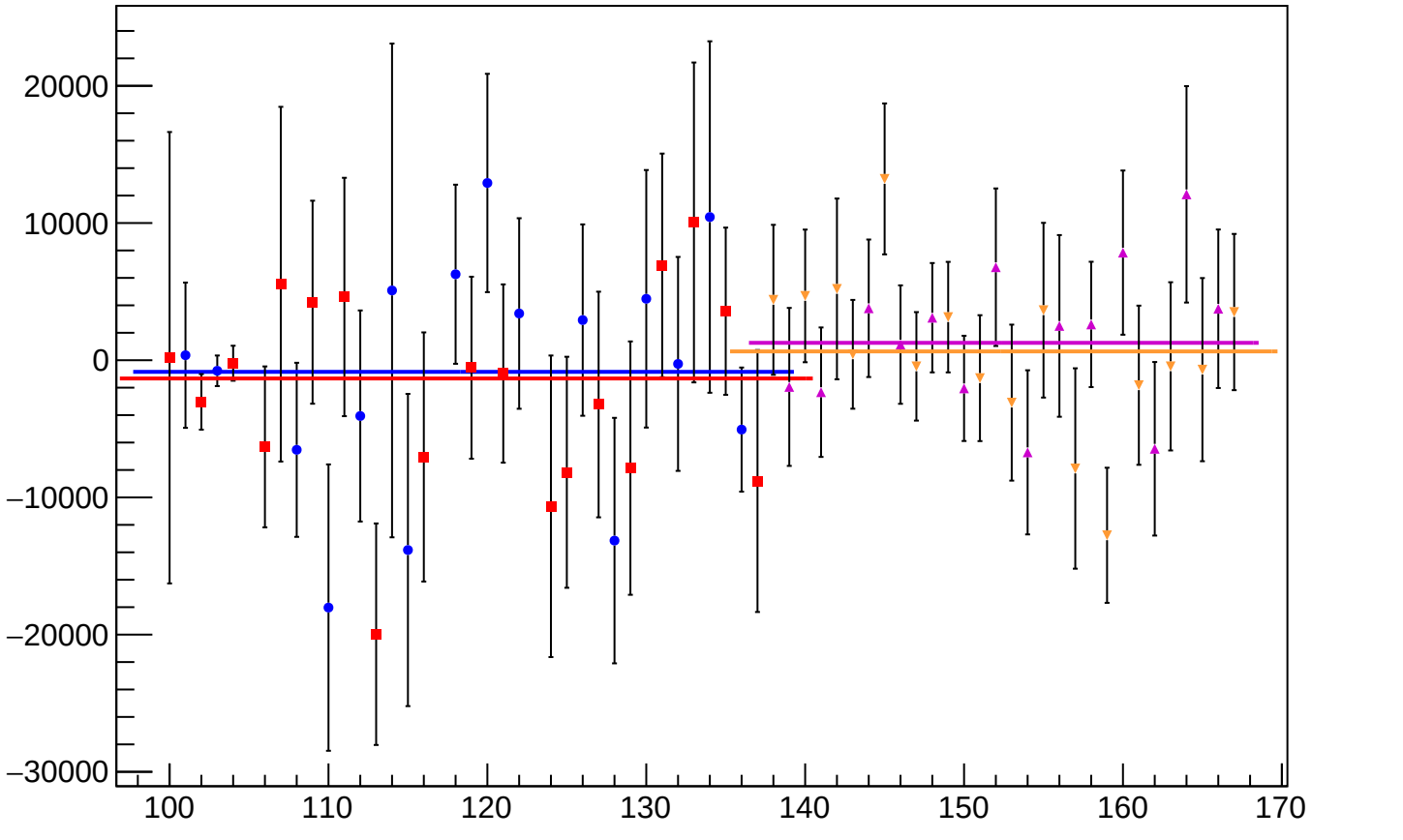
Left: 1725.994+/-0.248 χ^2/NDF: 68289.2/29

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1766.425+/-0.289 χ^2/NDF:329597.4/29

Out: 1783.539+/-0.284 χ^2/NDF:484462.8/34

All: 1775.154+/-0.203 χ^2/NDF: 815844.4/64



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 642.101+/-1297.189 χ^2/NDF:17.5/15

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1267.480+/-1376.804 χ^2/NDF:9.7/13

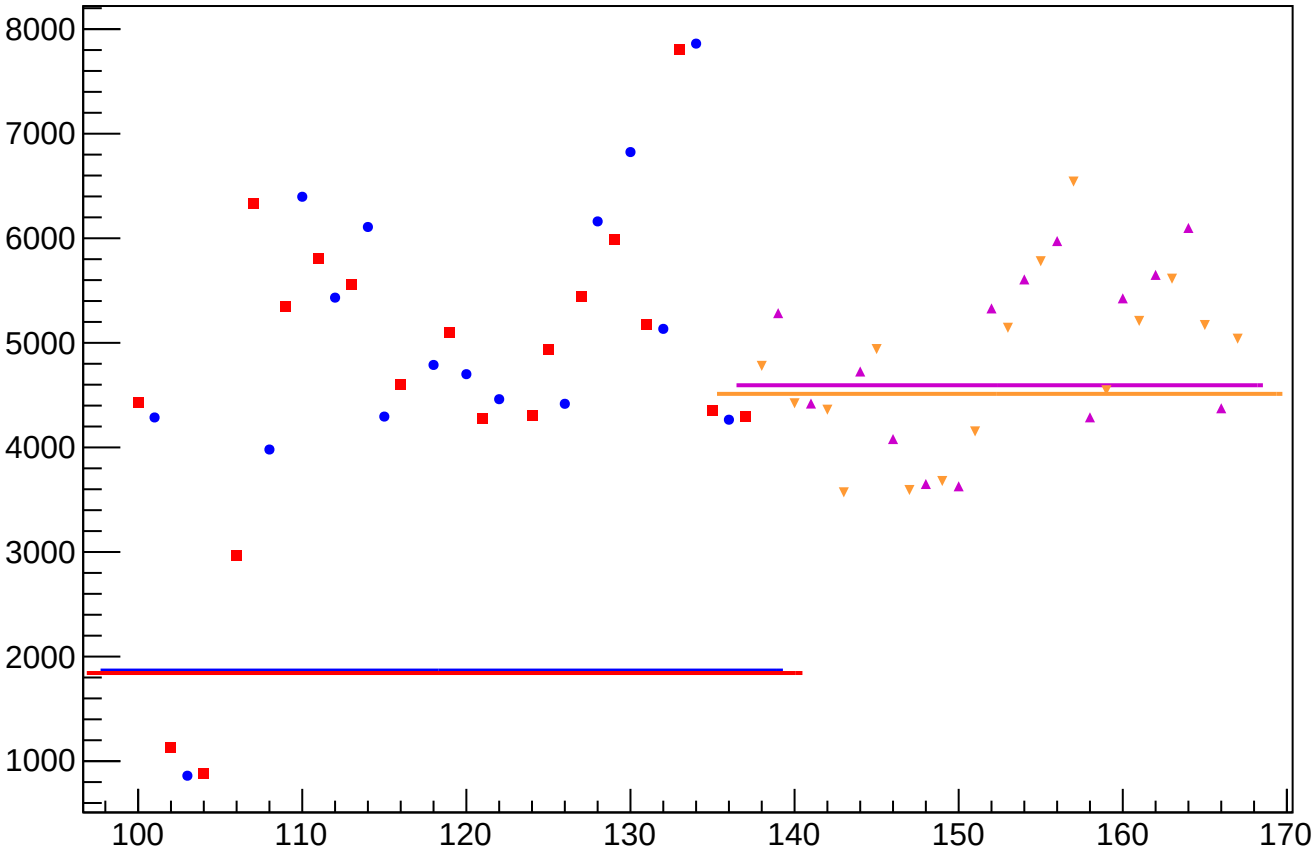
Left: 936.187+/-944.143 χ^2/NDF: 27.3/29

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -152.841+/-789.052 χ^2/NDF:25.1/29

Out: -644.162+/-765.477 χ^2/NDF:33.4/34

All: -405.951+/-549.420 χ^2/NDF: 58.7/64



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4512.218+/-0.917 χ^2/NDF:726276.7/15

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4594.578+/-0.974 χ^2/NDF:656156.4/13

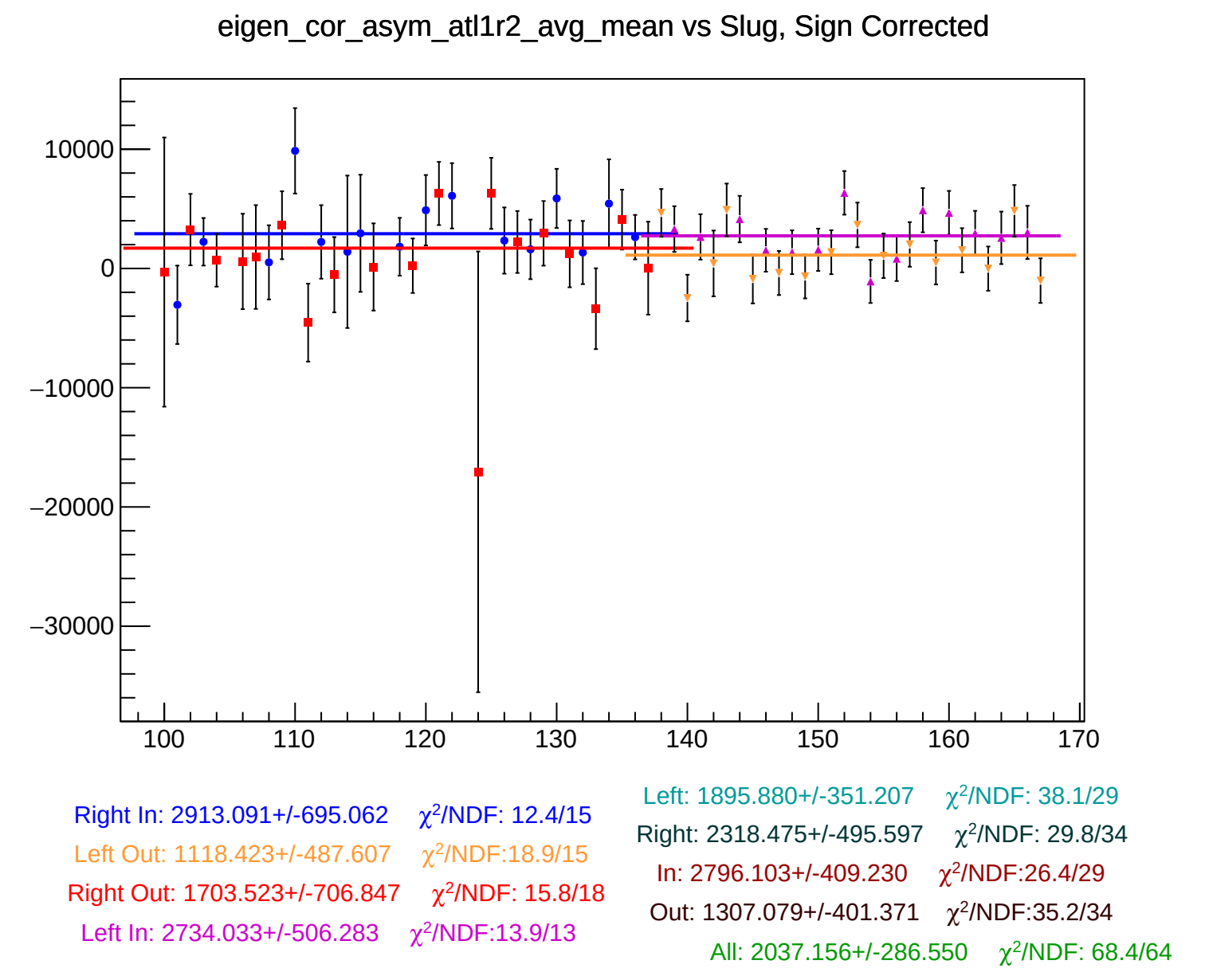
Left: 4550.948+/-0.668 χ^2/NDF: 1386224.4/29

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

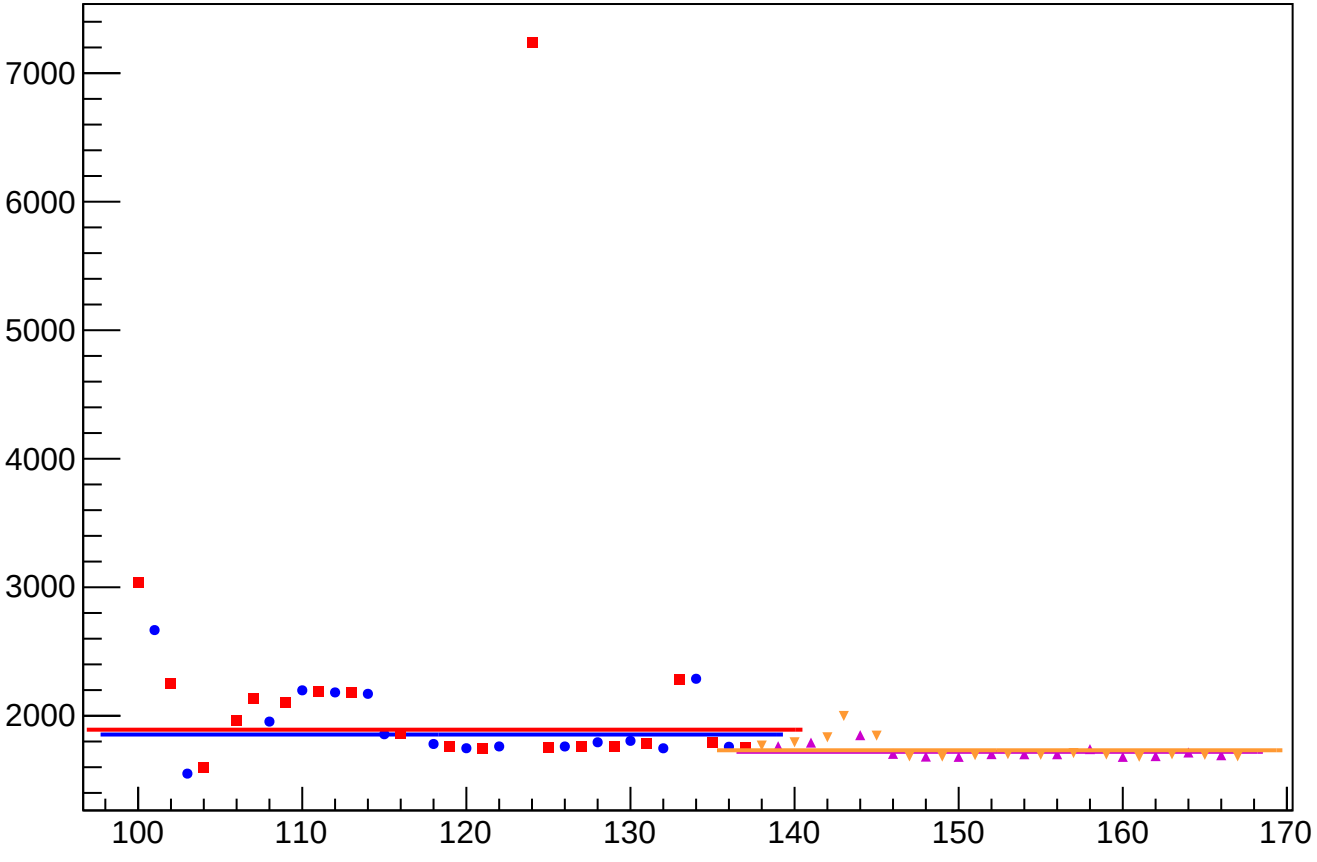
In: 2762.366+/-0.558 χ^2/NDF:12780432.3/29

Out: 2772.407+/-0.541 χ^2/NDF:12704597.9/34

All: 2767.539+/-0.388 χ^2/NDF: 25485197.1/6


eigen_cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 2913.091+/-695.062 χ²/NDF: 12.4/15
Left Out: 1118.423+/-487.607 χ²/NDF:18.9/15
Right Out: 1703.523+/-706.847 χ²/NDF: 15.8/18
Left In: 2734.033+/-506.283 χ²/NDF:13.9/13
Left: 1895.880+/-351.207 χ²/NDF: 38.1/29
Right: 2318.475+/-495.597 χ²/NDF: 29.8/34
In: 2796.103+/-409.230 χ²/NDF:26.4/29
Out: 1307.079+/-401.371 χ²/NDF:35.2/34
All: 2037.156+/-286.550 χ²/NDF: 68.4/64

eigen_cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1731.744+/-0.345 χ^2/NDF:50380.3/15

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1719.794+/-0.358 χ^2/NDF:17330.8/13

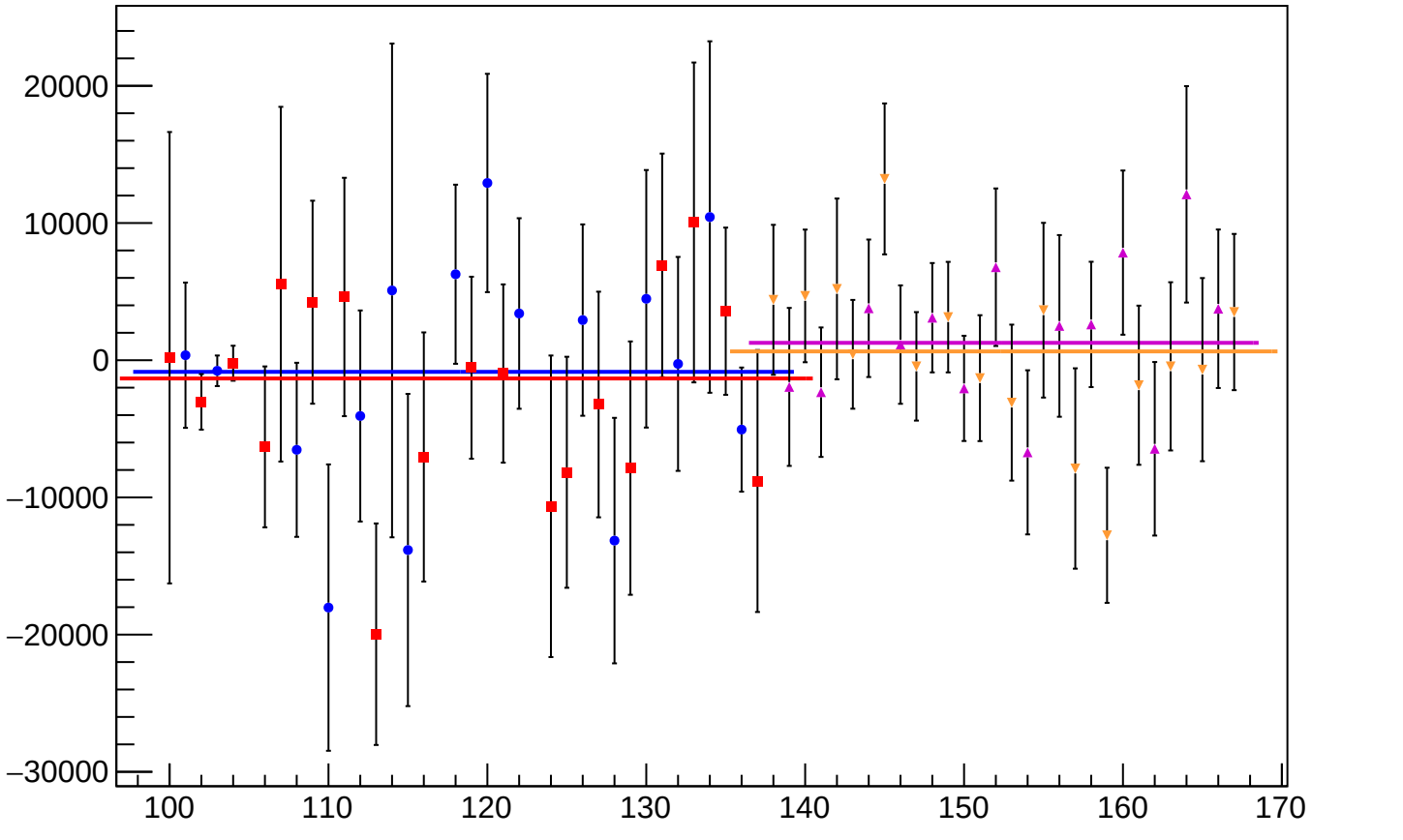
Left: 1725.994+/-0.248 χ^2/NDF: 68289.2/29

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1766.425+/-0.289 χ^2/NDF:329597.4/29

Out: 1783.539+/-0.284 χ^2/NDF:484462.8/34

All: 1775.154+/-0.203 χ^2/NDF: 815844.4/64



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 642.101+/-1297.189 χ^2/NDF:17.5/15

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1267.480+/-1376.804 χ^2/NDF:9.7/13

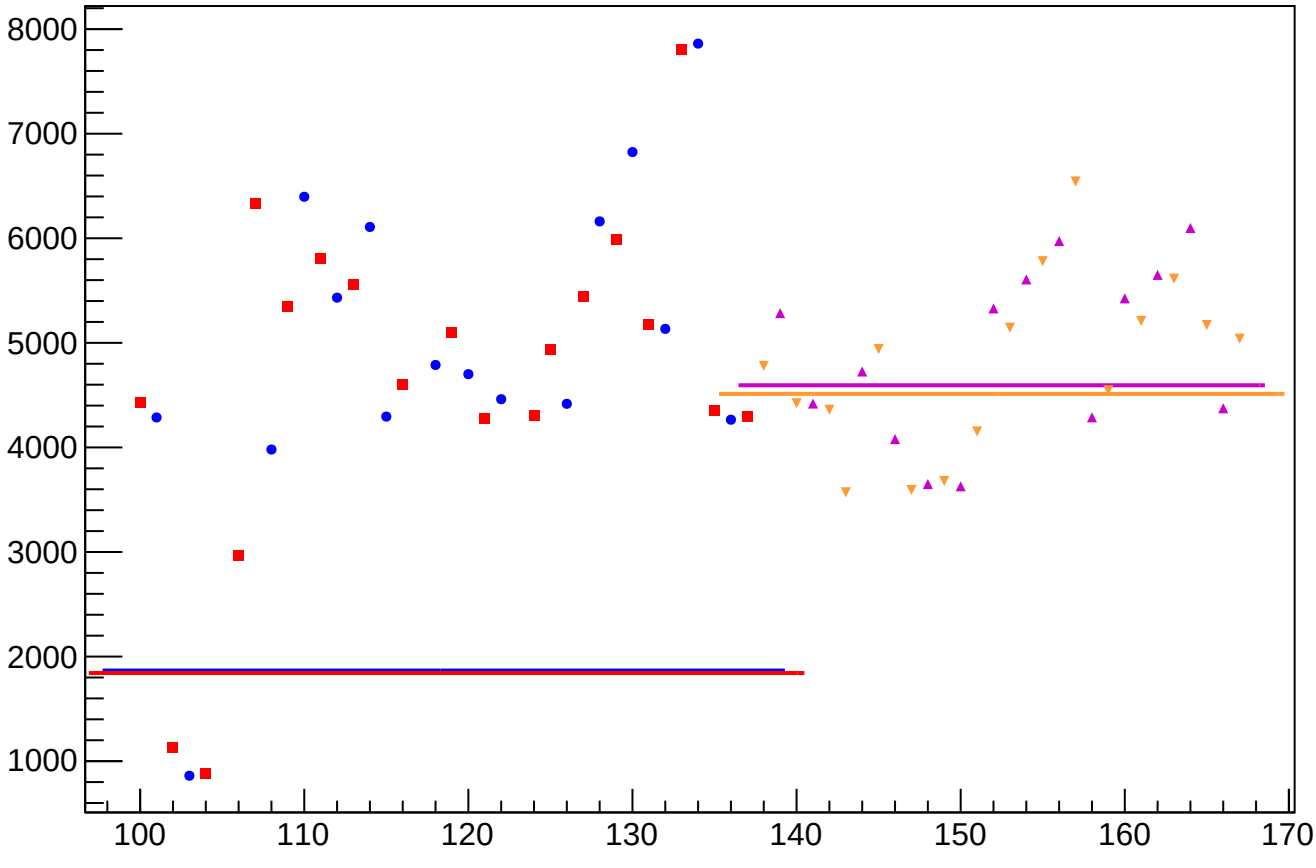
Left: 936.187+/-944.143 χ^2/NDF: 27.3/29

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -152.841+/-789.052 χ^2/NDF:25.1/29

Out: -644.162+/-765.477 χ^2/NDF:33.4/34

All: -405.951+/-549.420 χ^2/NDF: 58.7/64



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4512.218+/-0.917 χ^2/NDF:726276.7/15

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4594.578+/-0.974 χ^2/NDF:656156.4/13

Left: 4550.948+/-0.668 χ^2/NDF: 1386224.4/29

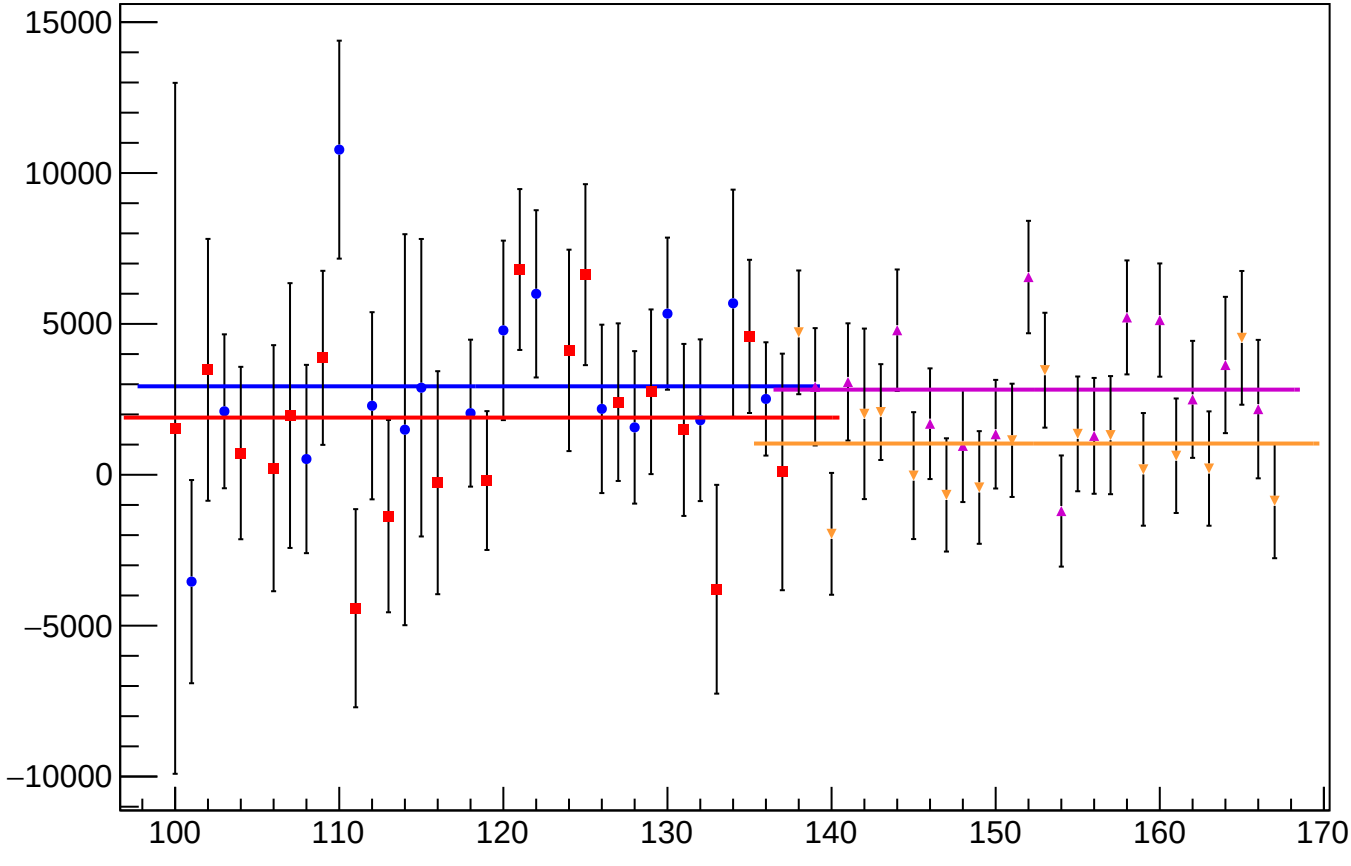
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2762.366+/-0.558 χ^2/NDF:12780432.3/29

Out: 2772.407+/-0.541 χ^2/NDF:12704597.9/34

All: 2767.539+/-0.388 χ^2/NDF: 25485197.1/6

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1035.318+/-486.650 χ^2/NDF:13.3/15

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2821.690+/-517.013 χ^2/NDF:15.8/13

Left: 1874.511+/-354.362 χ^2/NDF: 35.4/29

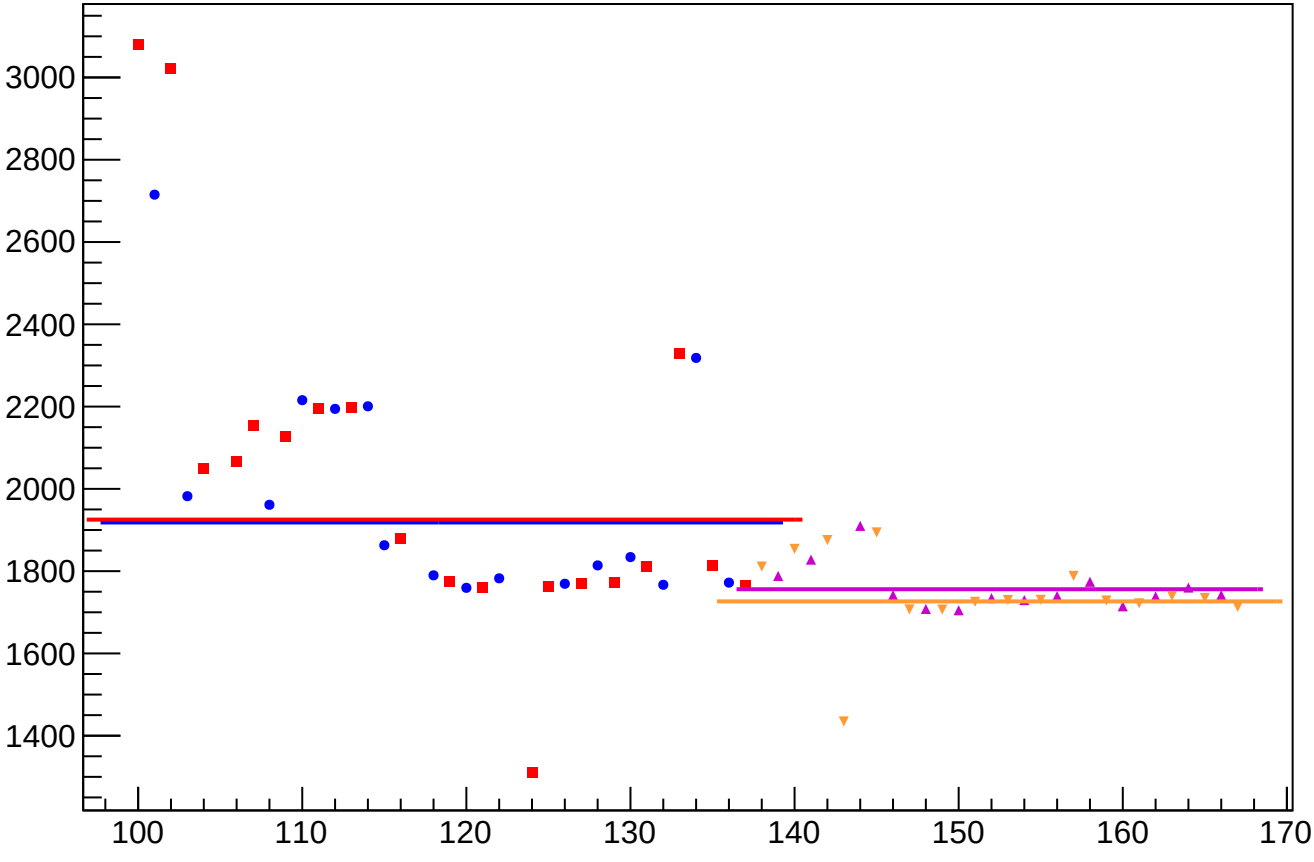
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2859.230+/-419.620 χ^2/NDF:28.8/29

Out: 1304.056+/-403.532 χ^2/NDF:31.6/34

All: 2051.260+/-290.862 χ^2/NDF: 67.6/64

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.487+/-0.344 χ^2/NDF:99974.6/15

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1756.033+/-0.366 χ^2/NDF:20307.4/13

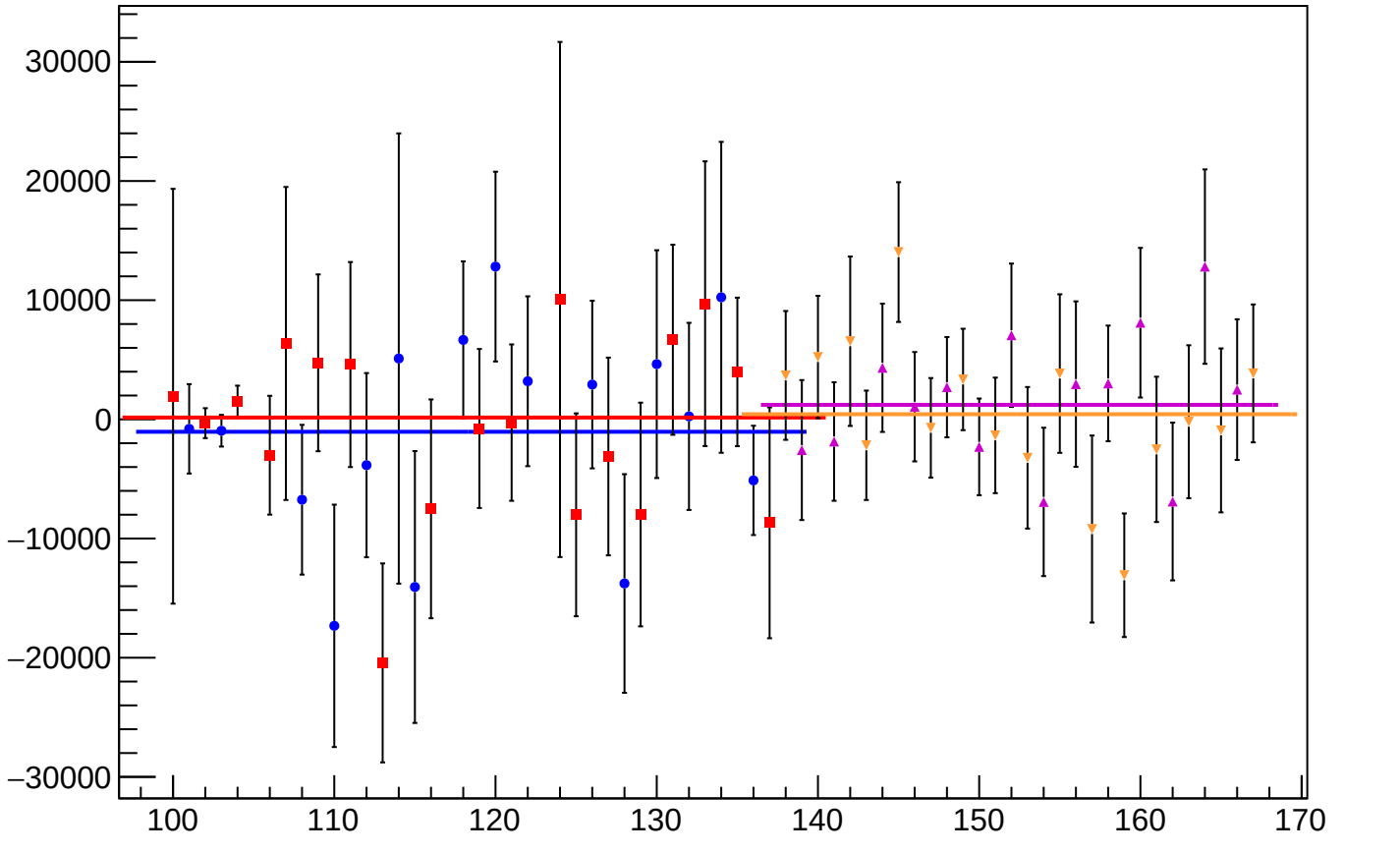
Left: 1740.367+/-0.251 χ^2/NDF: 123745.3/29

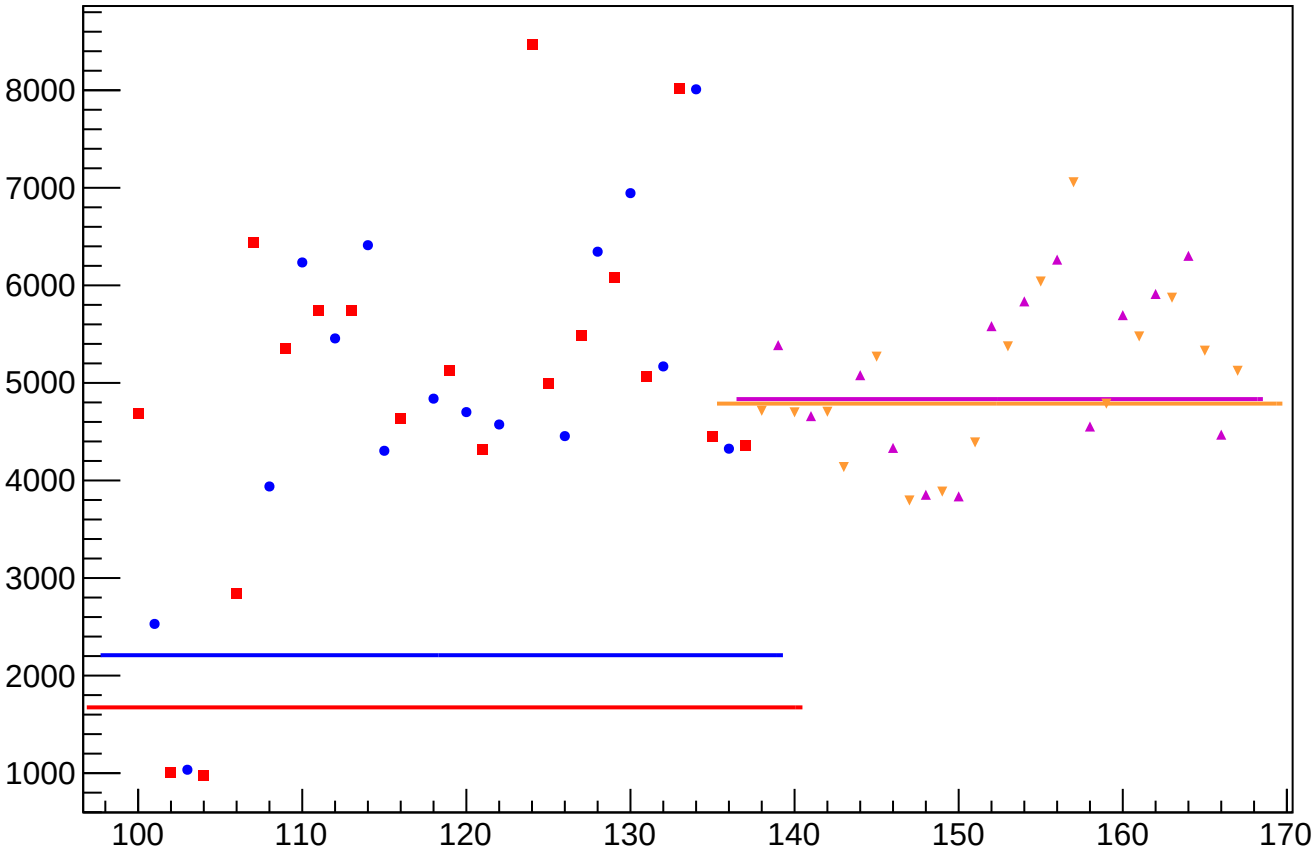
Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1811.432+/-0.297 χ^2/NDF:303189.2/29

Out: 1788.657+/-0.285 χ^2/NDF:543431.4/34

All: 1799.597+/-0.206 χ^2/NDF: 849682.2/64


asym_atl1r2_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1041.908+/-1072.406 χ²/NDF: 13.8/15
Left Out: 430.679+/-1373.288 χ²/NDF:17.9/15
Right Out: 153.619+/-835.656 χ²/NDF: 13.7/18
Left In: 1217.145+/-1447.315 χ²/NDF:9.6/13
Left: 803.286+/-996.204 χ²/NDF: 27.7/29
Right: -298.053+/-659.161 χ²/NDF: 28.3/34
In: -241.225+/-861.648 χ²/NDF:25.1/29
Out: 228.487+/-713.876 χ²/NDF:31.7/34
All: 37.303+/-549.719 χ²/NDF: 56.9/64



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4787.918+/-0.971 χ^2/NDF:630794.3/15

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4834.202+/-1.023 χ^2/NDF:615088.5/13

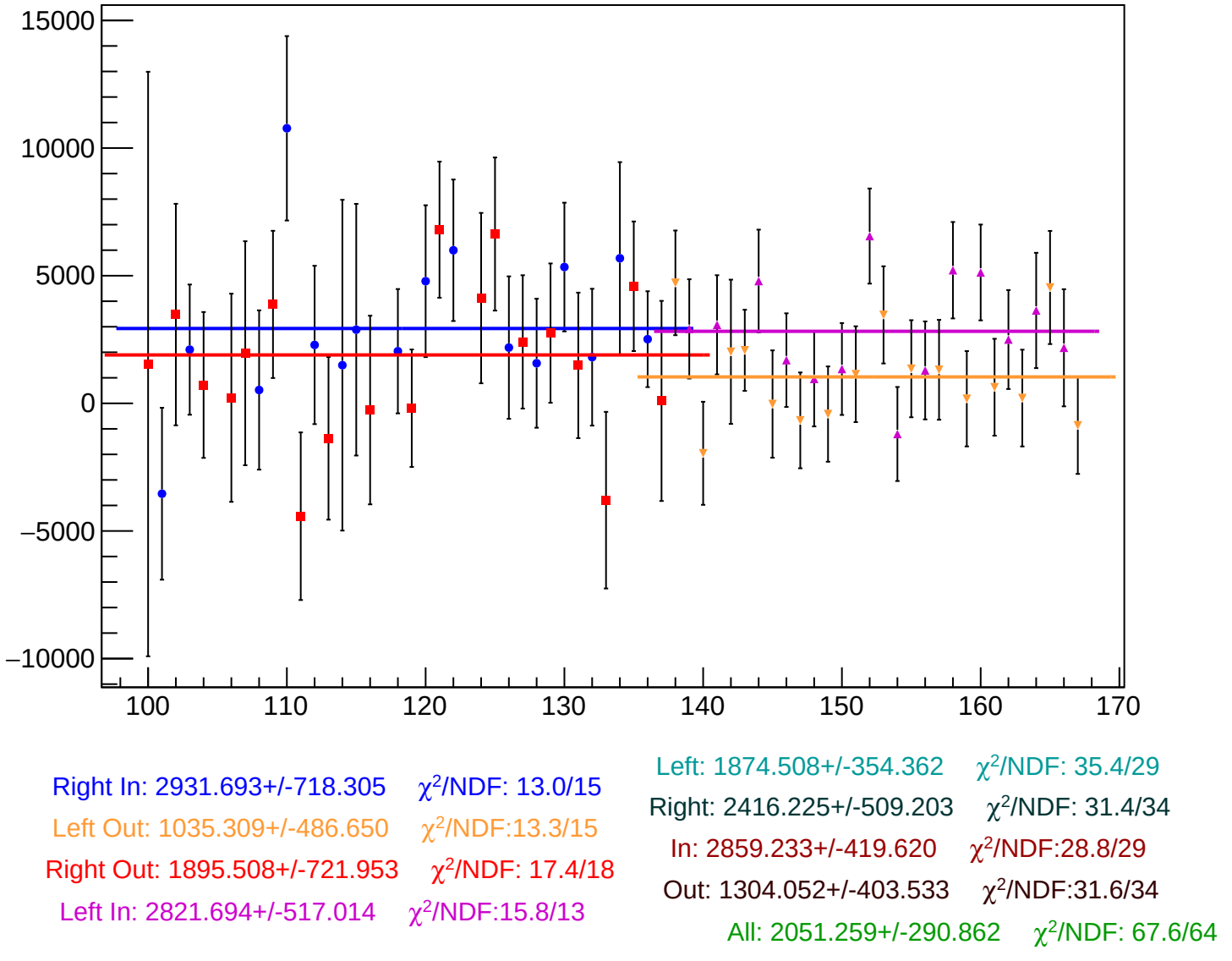
Left: 4809.846+/-0.704 χ^2/NDF: 1246959.1/29

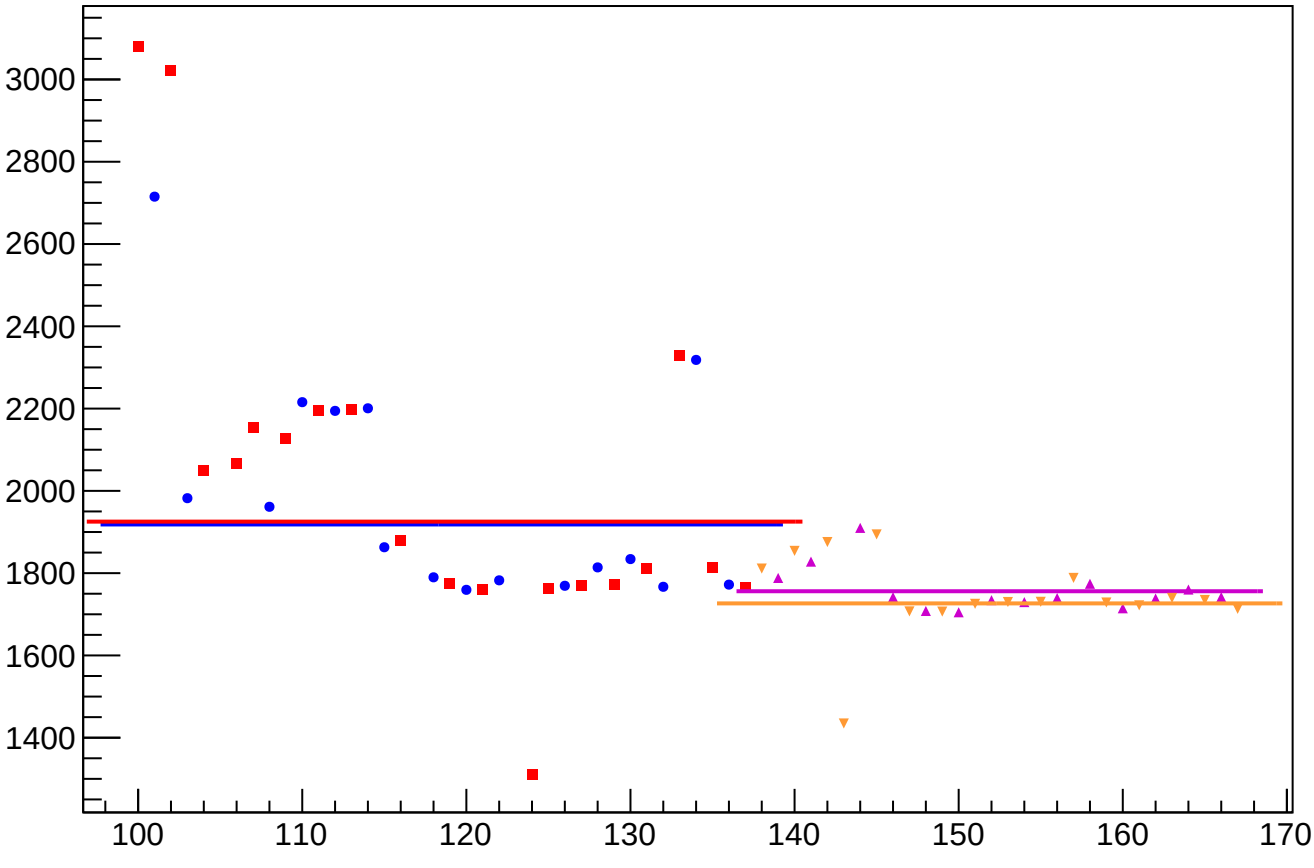
Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3139.401+/-0.609 χ^2/NDF:10362253.4/29

Out: 2515.569+/-0.505 χ^2/NDF:14987543.9/34

All: 2769.484+/-0.389 χ^2/NDF: 25971441.8/6


eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 2931.693+/-718.305 χ²/NDF: 13.0/15
Left Out: 1035.309+/-486.650 χ²/NDF:13.3/15
Right Out: 1895.508+/-721.953 χ²/NDF: 17.4/18
Left In: 2821.694+/-517.014 χ²/NDF:15.8/13
Left: 1874.508+/-354.362 χ²/NDF: 35.4/29
Right: 2416.225+/-509.203 χ²/NDF: 31.4/34
In: 2859.233+/-419.620 χ²/NDF:28.8/29
Out: 1304.052+/-403.533 χ²/NDF:31.6/34
All: 2051.259+/-290.862 χ²/NDF: 67.6/64



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.488+/-0.344 χ^2/NDF:99973.7/15

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1756.034+/-0.366 χ^2/NDF:20307.4/13

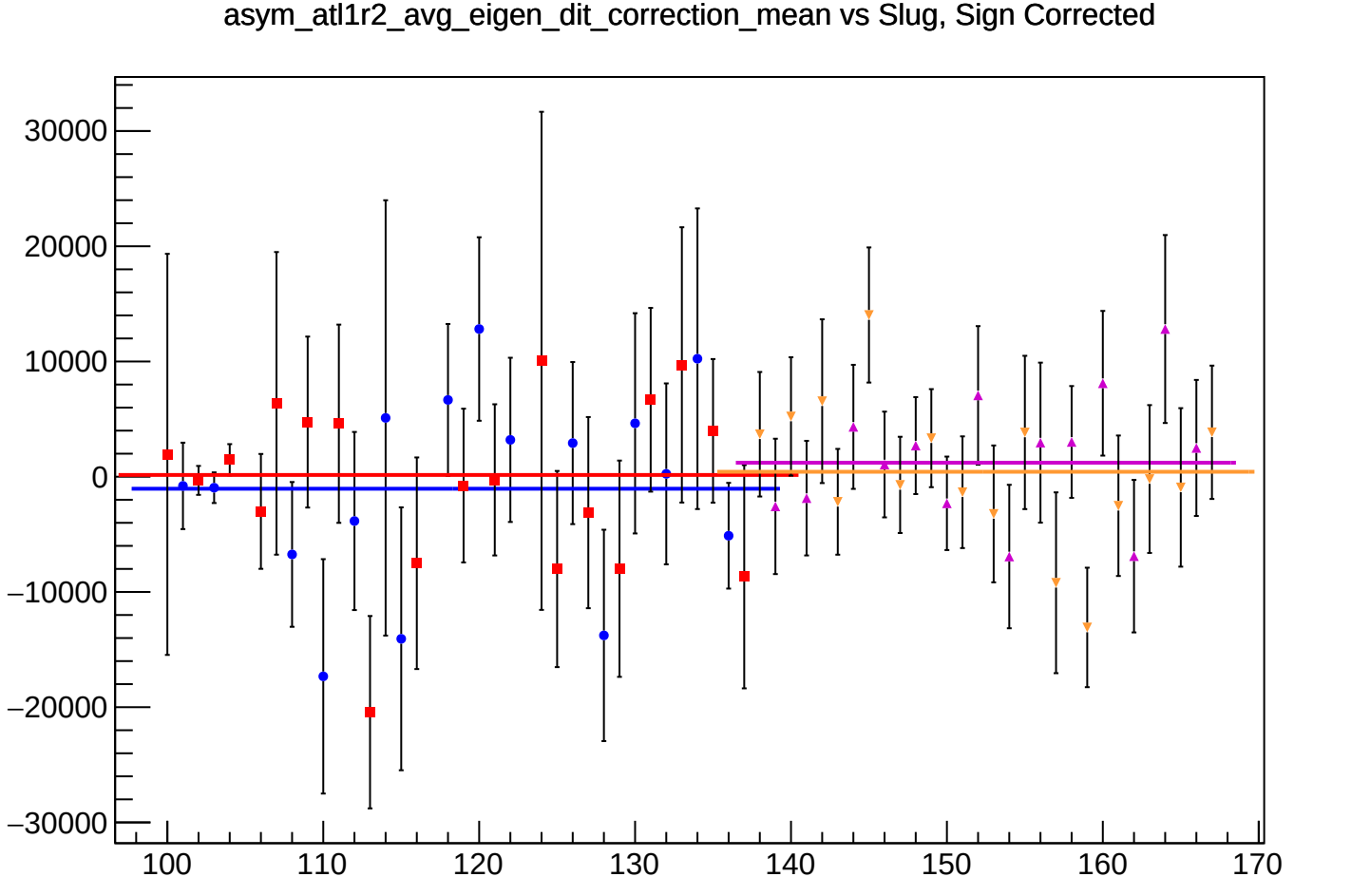
Left: 1740.368+/-0.251 χ^2/NDF: 123744.3/29

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1811.433+/-0.297 χ^2/NDF:303187.7/29

Out: 1788.658+/-0.285 χ^2/NDF:543427.7/34

All: 1799.597+/-0.206 χ^2/NDF: 849676.9/64



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 430.675+/-1373.291 χ^2/NDF:17.9/15

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 1217.143+/-1447.317 χ^2/NDF:9.6/13

Left: 803.283+/-996.206 χ^2/NDF: 27.7/29

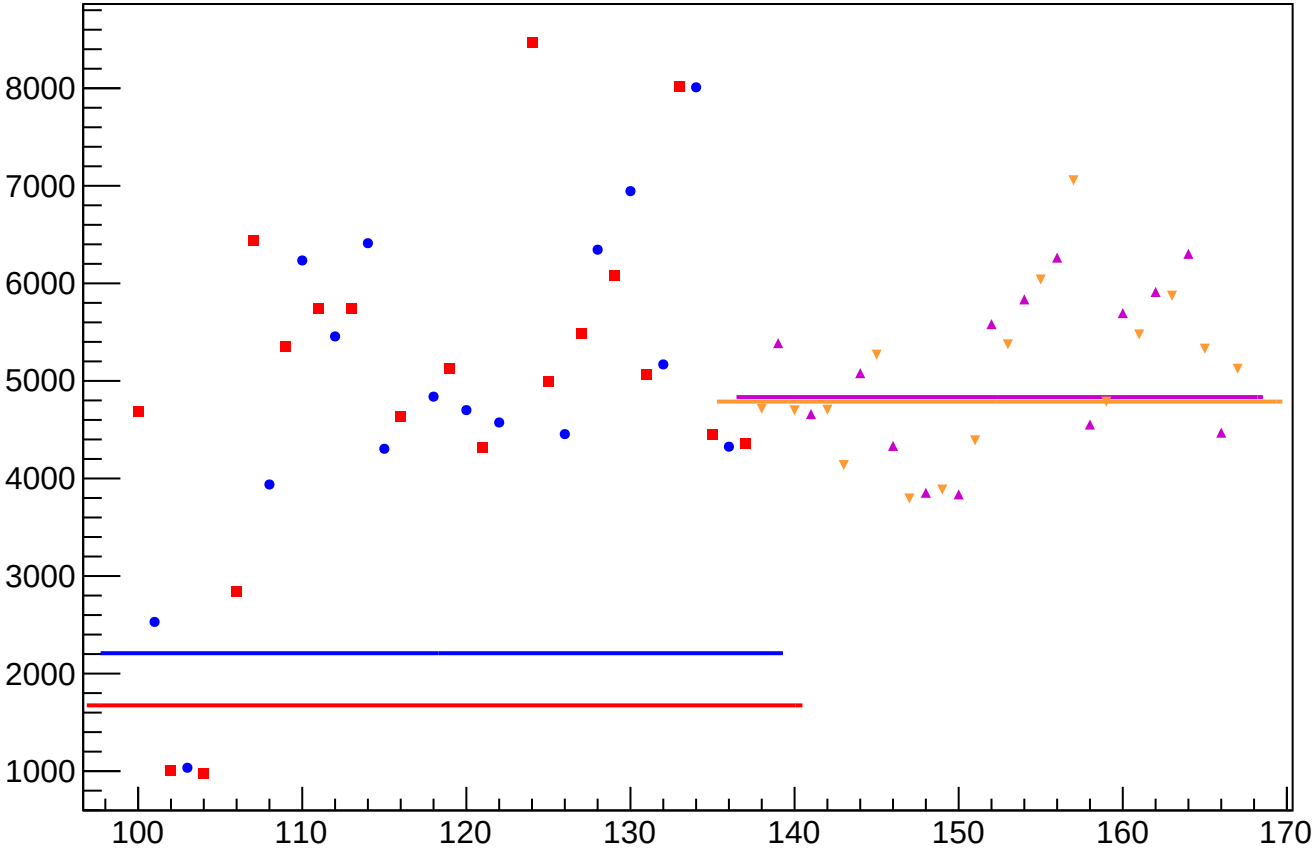
Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -241.227+/-861.648 χ^2/NDF:25.1/29

Out: 228.482+/-713.876 χ^2/NDF:31.7/34

All: 37.299+/-549.719 χ^2/NDF: 56.9/64

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4787.926+/-0.971 χ^2/NDF:630794.6/15

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4834.211+/-1.023 χ^2/NDF:615087.6/13

Left: 4809.854+/-0.704 χ^2/NDF: 1246958.6/29

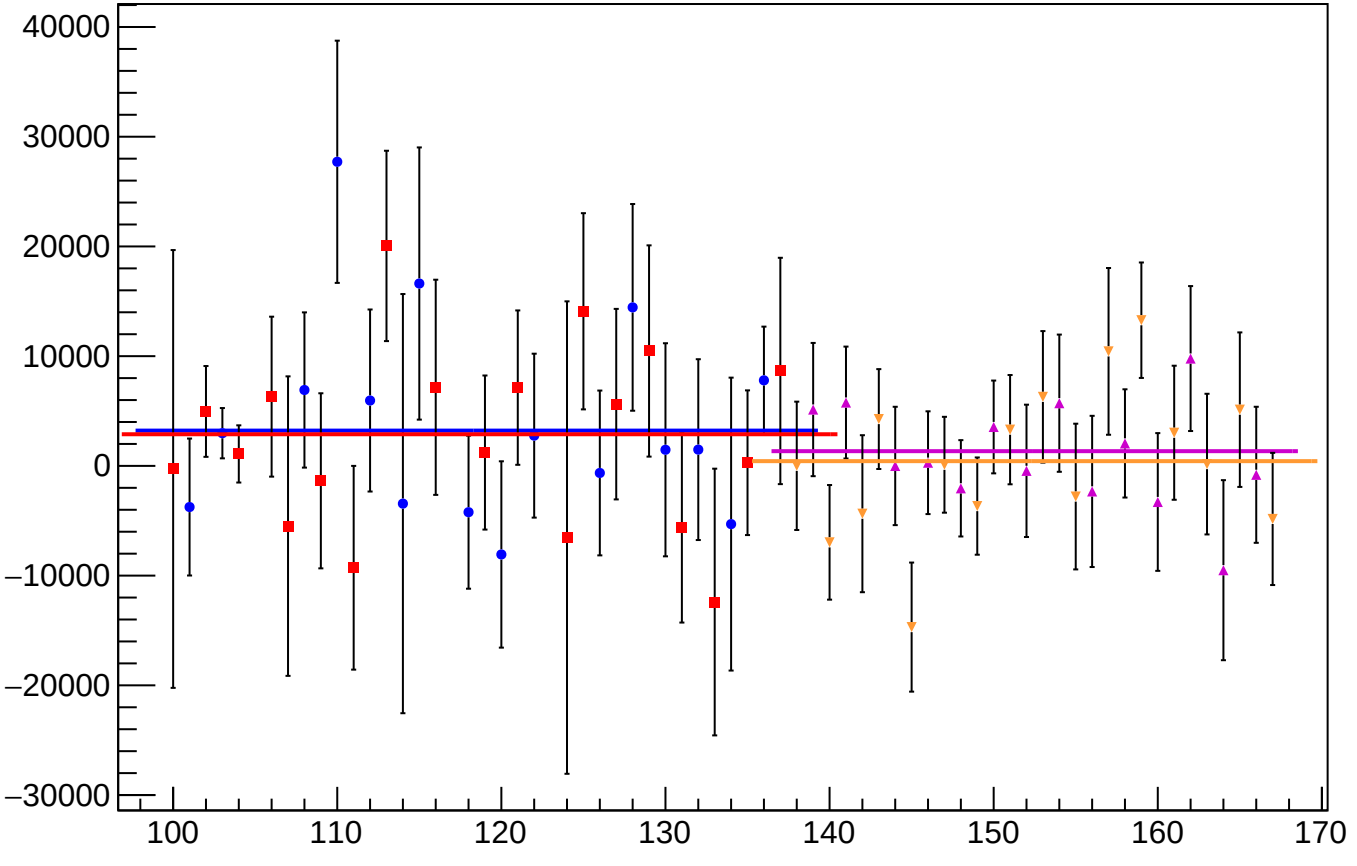
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3139.401+/-0.609 χ^2/NDF:10362267.3/29

Out: 2515.568+/-0.505 χ^2/NDF:14987561.0/34

All: 2769.484+/-0.389 χ^2/NDF: 25971473.3/6

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 431.980+/-1401.544 χ^2/NDF:21.2/15

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1341.231+/-1477.989 χ^2/NDF:7.1/13

Left: 862.484+/-1016.993 χ^2/NDF: 28.5/29

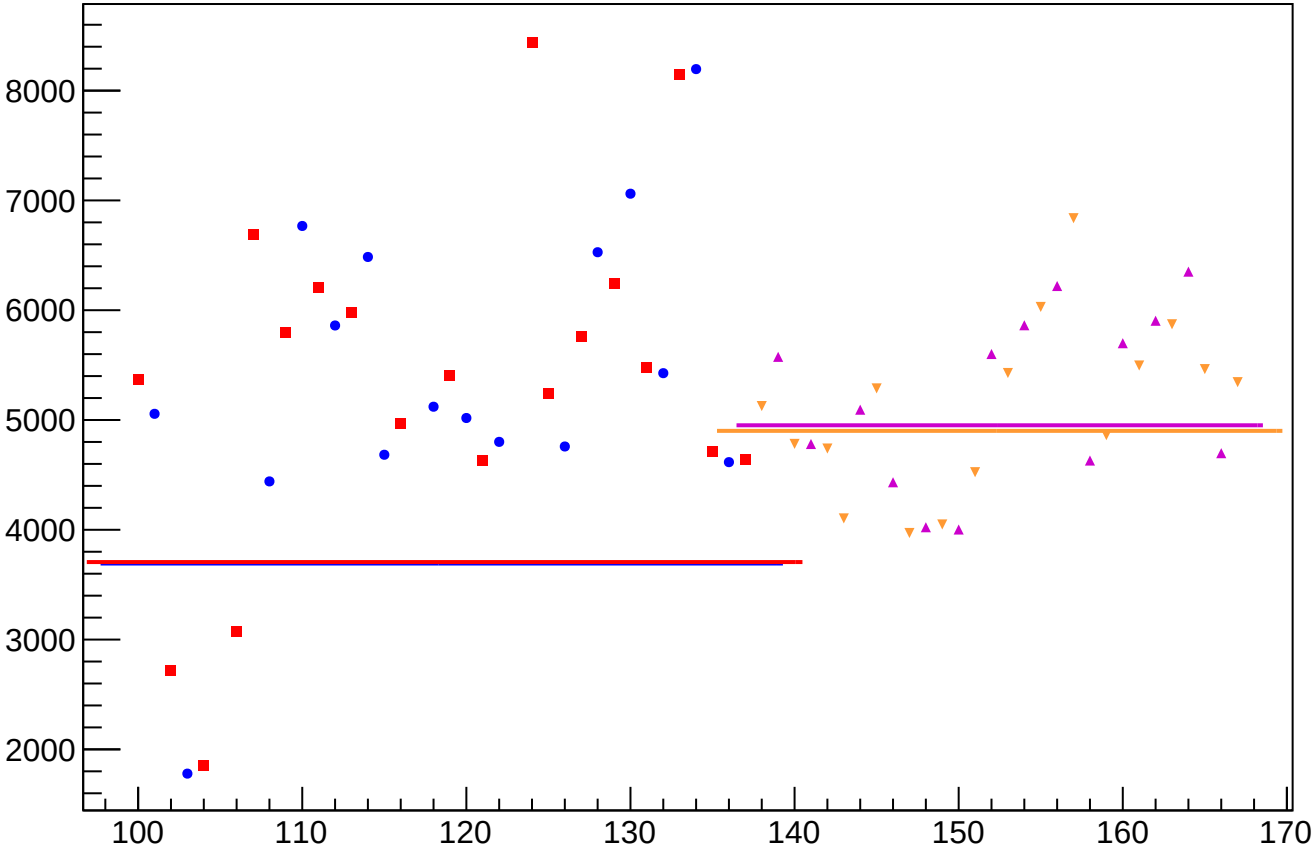
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2240.413+/-1066.100 χ^2/NDF:21.6/29

Out: 1533.047+/-1040.213 χ^2/NDF:36.0/34

All: 1878.037+/-744.525 χ^2/NDF: 57.9/64

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4901.072+/-0.991 χ^2/NDF:542987.6/15

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4951.833+/-1.045 χ^2/NDF:512909.7/13

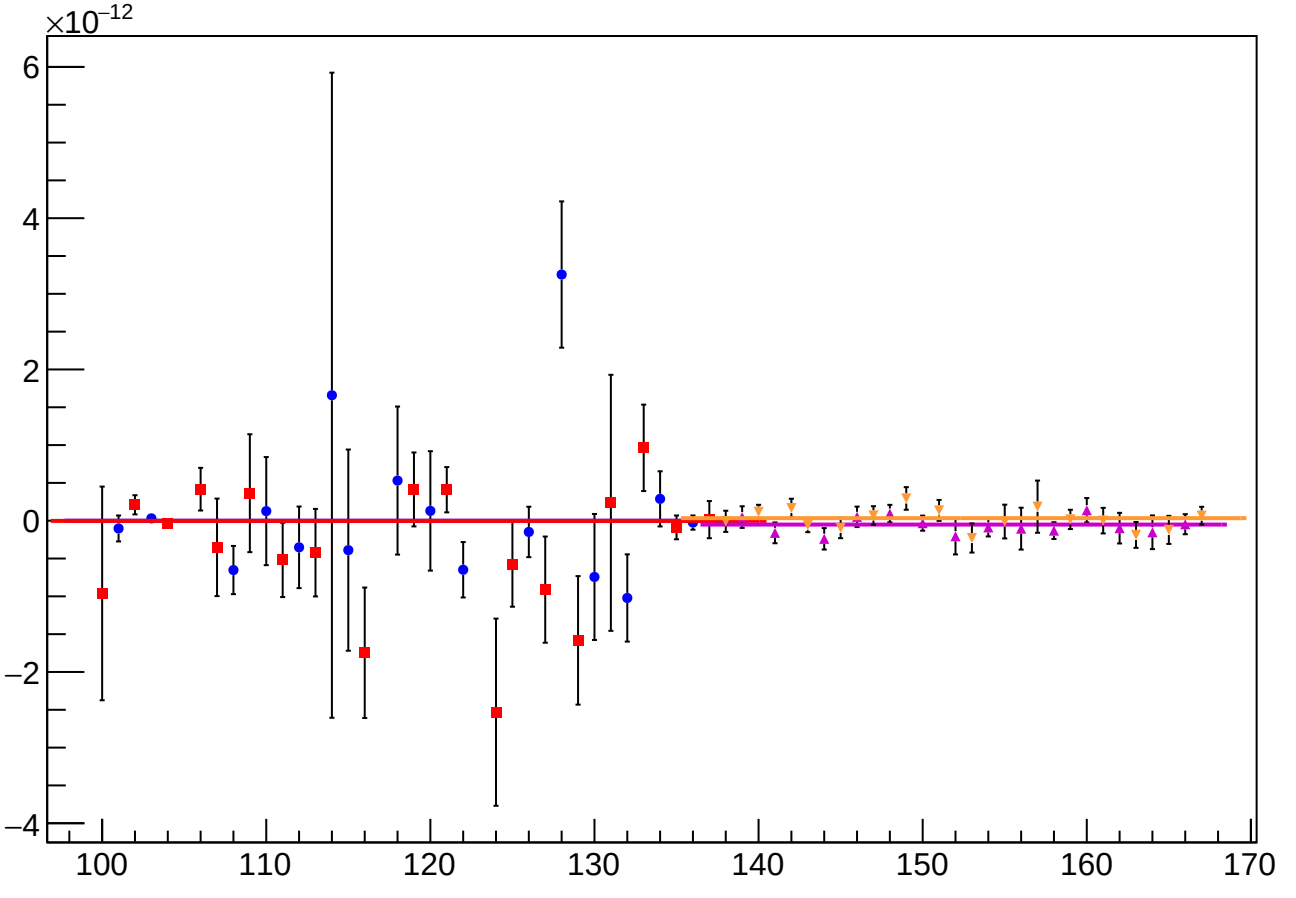
Left: 4925.106+/-0.719 χ^2/NDF: 1057139.5/29

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4347.881+/-0.754 χ^2/NDF:4094748.6/29

Out: 4358.401+/-0.732 χ^2/NDF:3887780.3/34

All: 4353.294+/-0.525 χ^2/NDF: 7982629.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/13

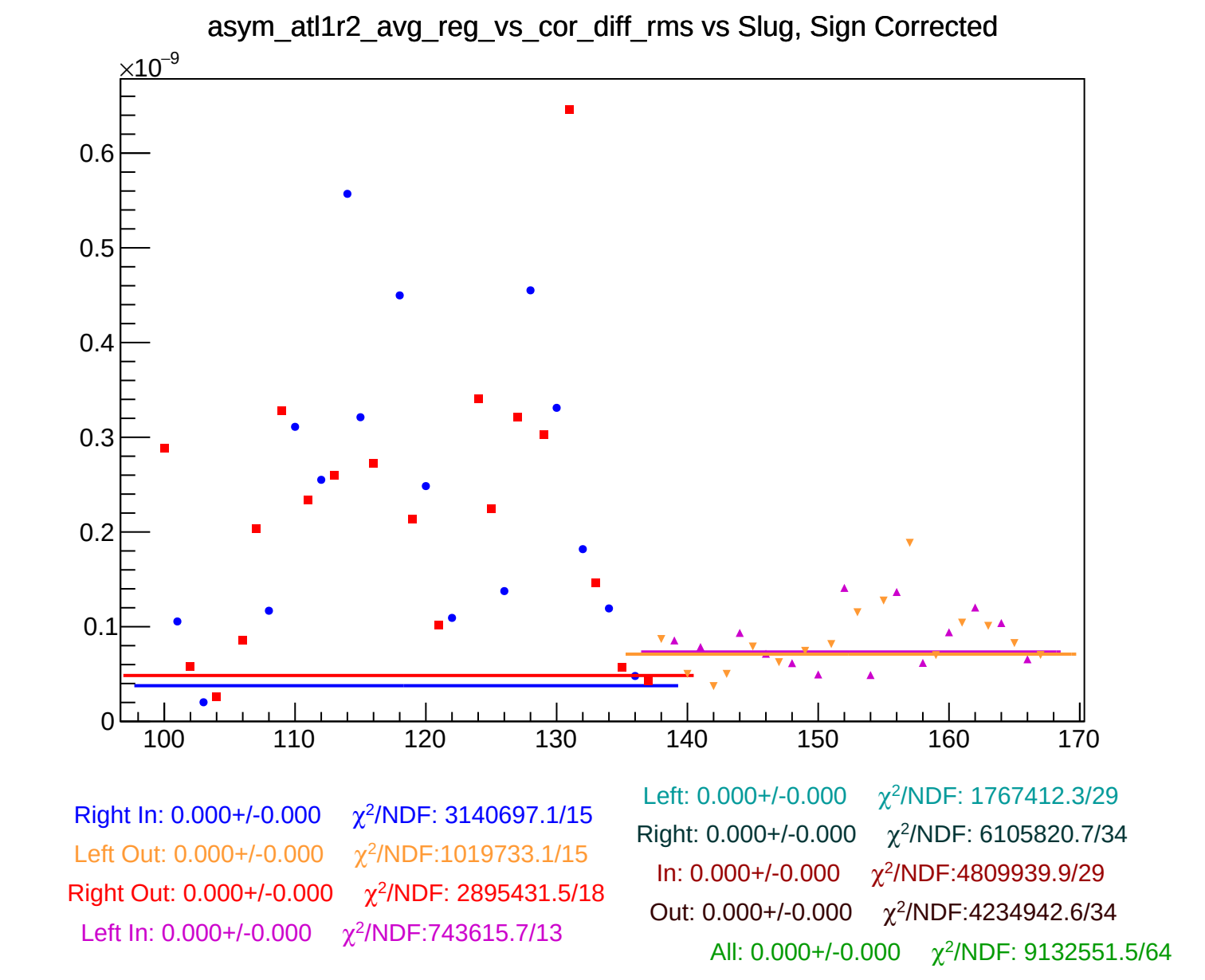
Left: -0.000+/-0.000 χ^2/NDF: 22.8/29

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

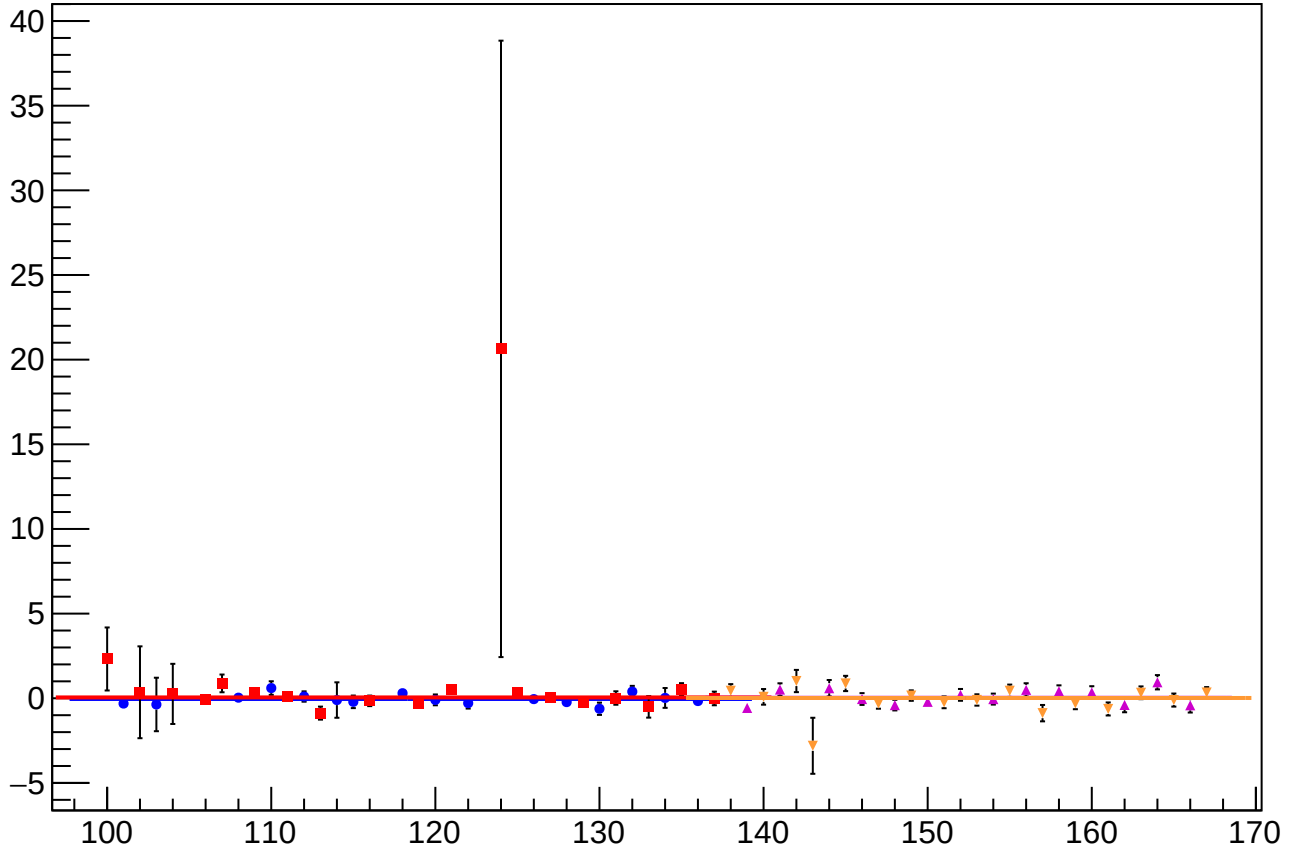
In: -0.000+/-0.000 χ^2/NDF:34.1/29

Out: 0.000+/-0.000 χ^2/NDF:40.9/34

All: -0.000+/-0.000 χ^2/NDF: 76.4/64


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1019733.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:743615.7/13
Left: 0.000+/-0.000 χ²/NDF: 1767412.3/29
Right: 0.000+/-0.000 χ²/NDF: 6105820.7/34
In: 0.000+/-0.000 χ²/NDF:4809939.9/29
Out: 0.000+/-0.000 χ²/NDF:4234942.6/34
All: 0.000+/-0.000 χ²/NDF: 9132551.5/64

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.017+/-0.096 χ^2/NDF:22.4/15

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.028+/-0.095 χ^2/NDF:21.0/13

Left: 0.023+/-0.068 χ^2/NDF: 43.4/29

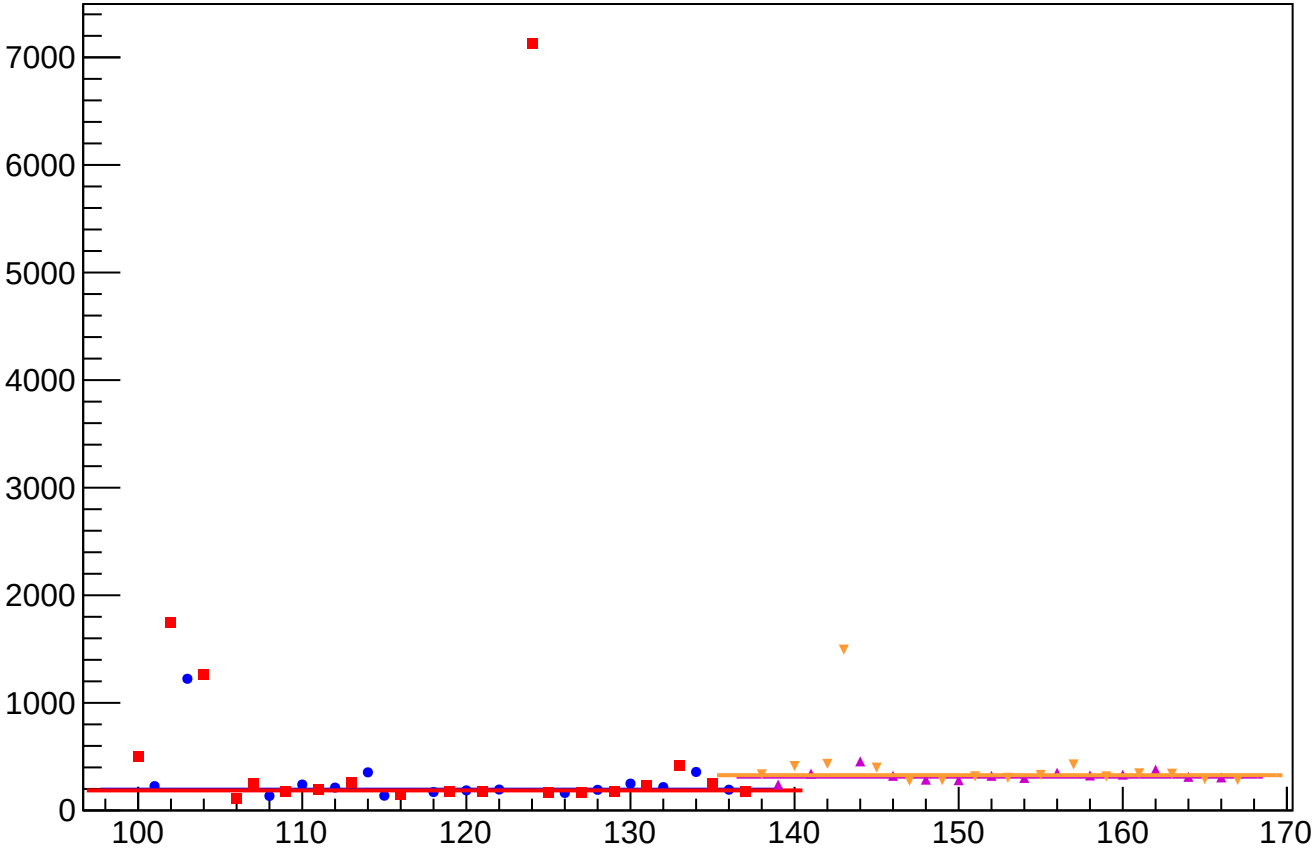
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.013+/-0.060 χ^2/NDF:33.0/29

Out: 0.036+/-0.061 χ^2/NDF:45.5/34

All: 0.011+/-0.043 χ^2/NDF: 78.8/64

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 327.641+/-0.068 χ^2/NDF:1429302.1/15

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.012+/-0.067 χ^2/NDF:444419.9/13

Left: 320.718+/-0.048 χ^2/NDF: 1894042.1/29

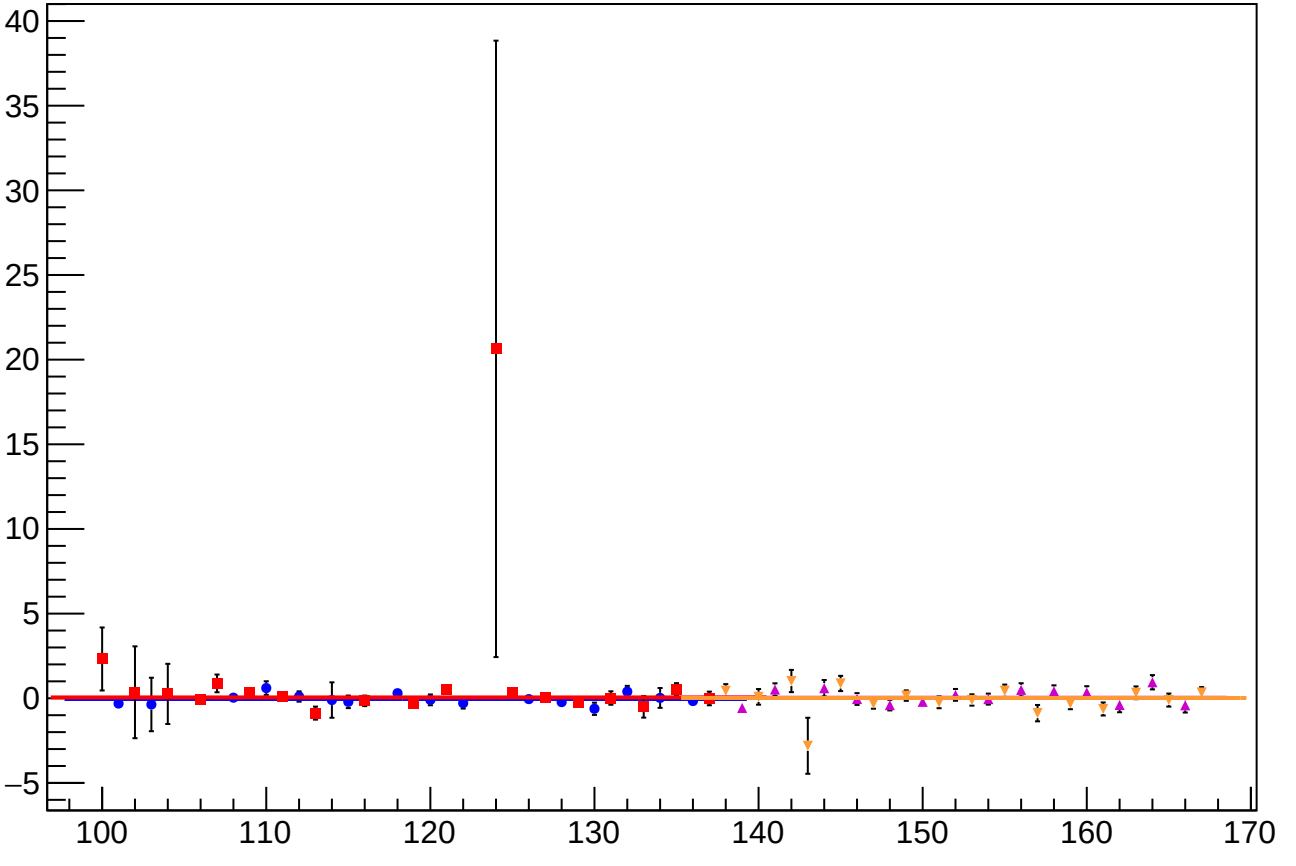
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 241.788+/-0.043 χ^2/NDF:3791964.9/29

Out: 242.976+/-0.043 χ^2/NDF:6484100.6/34

All: 242.373+/-0.030 χ^2/NDF: 10276450.0/64

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.017+/-0.096 χ^2/NDF:22.4/15

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.028+/-0.095 χ^2/NDF:21.0/13

Left: 0.023+/-0.068 χ^2/NDF: 43.4/29

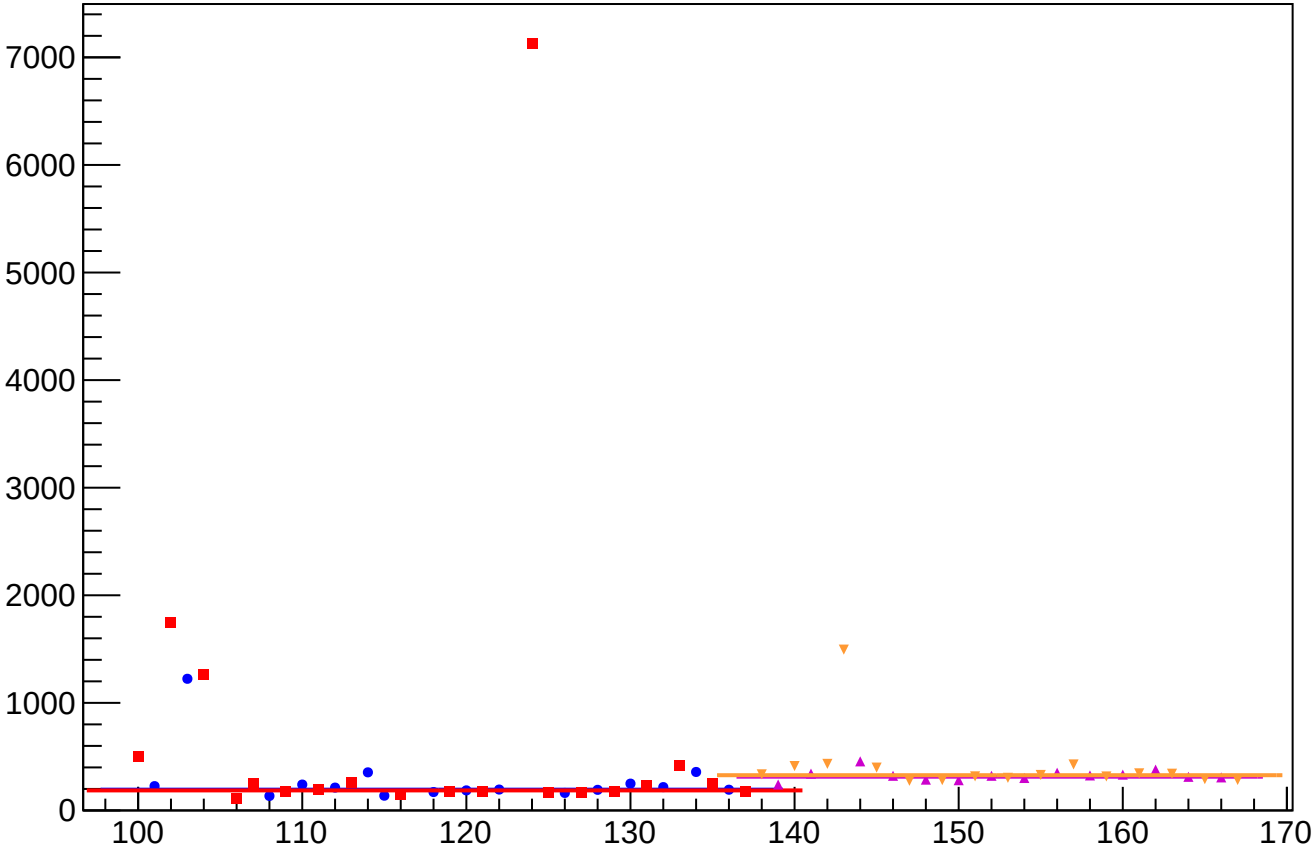
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.013+/-0.060 χ^2/NDF:33.0/29

Out: 0.036+/-0.061 χ^2/NDF:45.5/34

All: 0.011+/-0.043 χ^2/NDF: 78.8/64

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 327.641+/-0.068 χ^2/NDF:1429302.1/15

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.012+/-0.067 χ^2/NDF:444419.9/13

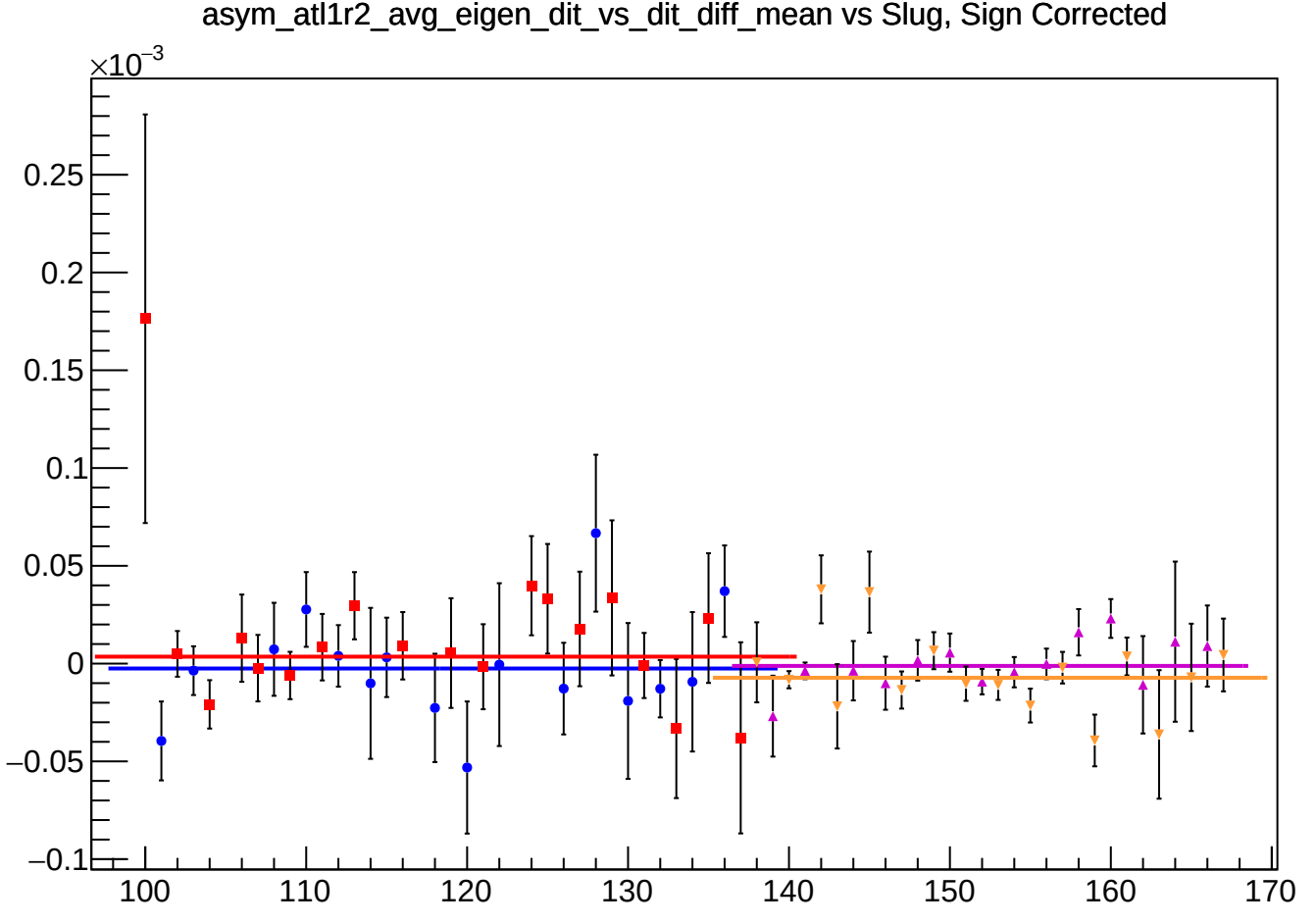
Left: 320.718+/-0.048 χ^2/NDF: 1894042.1/29

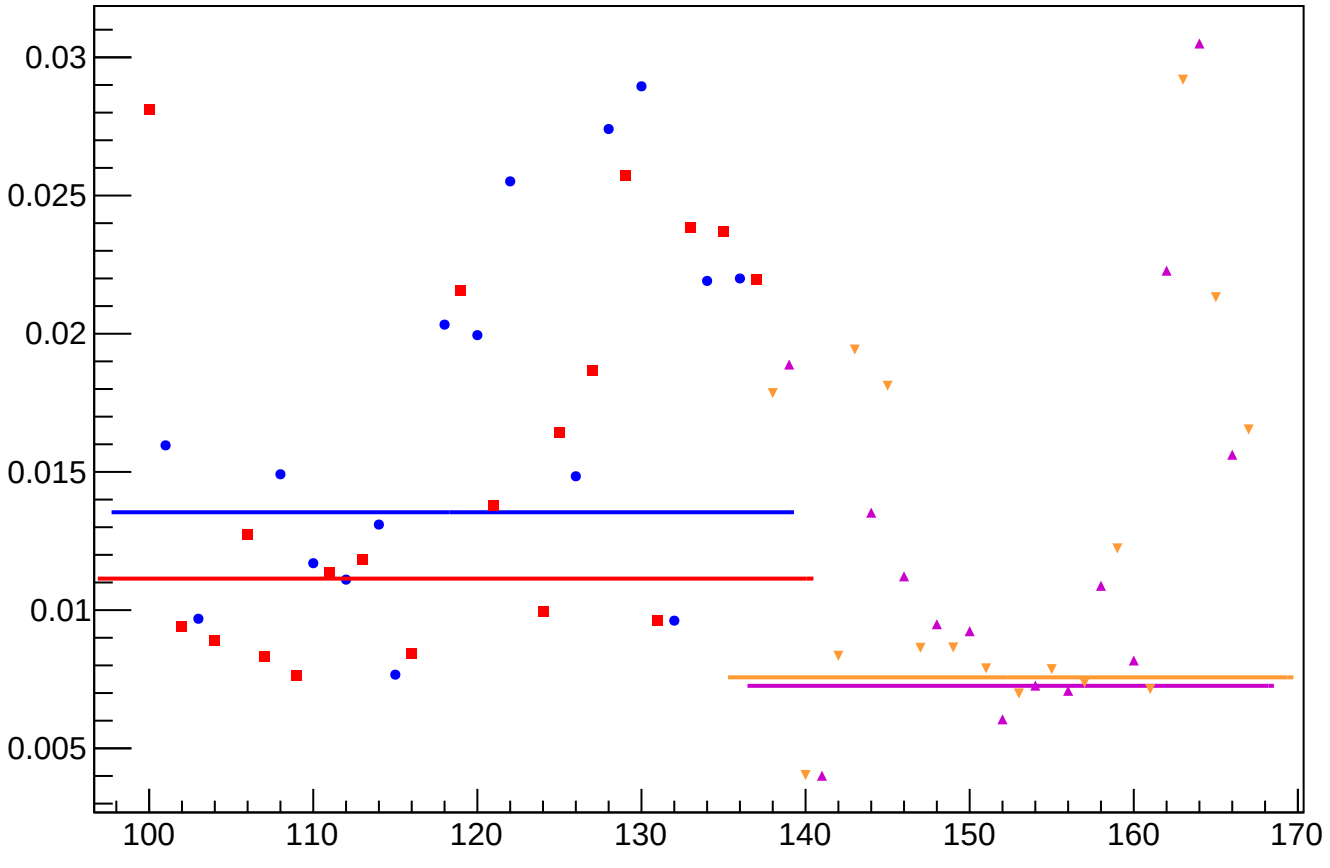
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 241.788+/-0.043 χ^2/NDF:3791964.9/29

Out: 242.976+/-0.043 χ^2/NDF:6484100.6/34

All: 242.373+/-0.030 χ^2/NDF: 10276450.0/64


asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.8/15
Left Out: -0.000+/-0.000 χ²/NDF:26.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/18
Left In: -0.000+/-0.000 χ²/NDF:13.2/13
Left: -0.000+/-0.000 χ²/NDF: 42.4/29
Right: 0.000+/-0.000 χ²/NDF: 32.9/34
In: -0.000+/-0.000 χ²/NDF:29.1/29
Out: -0.000+/-0.000 χ²/NDF:47.0/34
All: -0.000+/-0.000 χ²/NDF: 77.2/64



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:5078118.0/15

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4450592.7/13

Left: 0.007+/-0.000 χ^2/NDF: 9544193.3/29

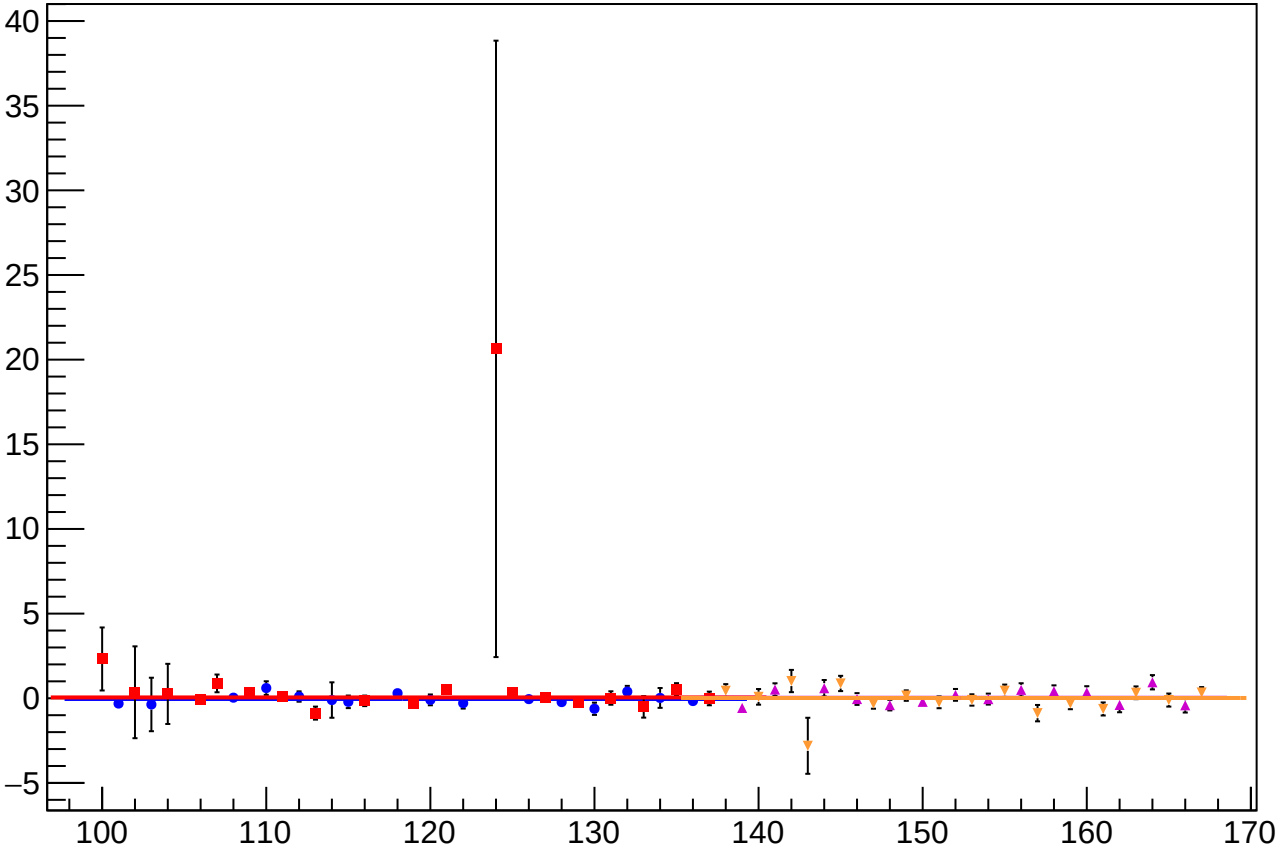
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:8531902.6/29

Out: 0.008+/-0.000 χ^2/NDF:7947249.6/34

All: 0.008+/-0.000 χ^2/NDF: 16480482.0/64

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.017+/-0.096 χ^2/NDF:22.4/15

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.028+/-0.095 χ^2/NDF:21.0/13

Left: 0.023+/-0.068 χ^2/NDF: 43.4/29

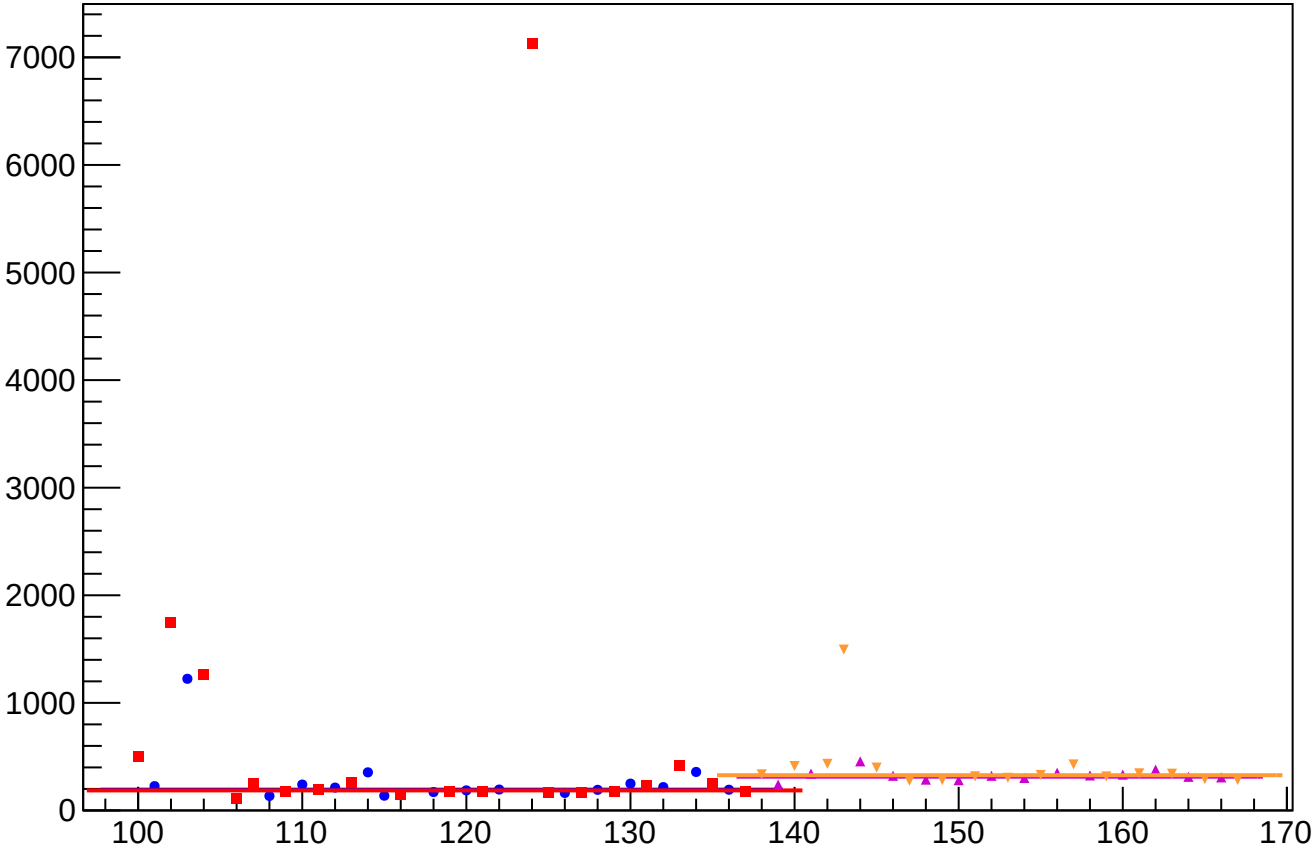
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.013+/-0.060 χ^2/NDF:33.0/29

Out: 0.036+/-0.061 χ^2/NDF:45.5/34

All: 0.011+/-0.043 χ^2/NDF: 78.8/64

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 327.647+/-0.068 χ^2/NDF:1429270.6/15

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.017+/-0.067 χ^2/NDF:444408.7/13

Left: 320.723+/-0.048 χ^2/NDF: 1894000.4/29

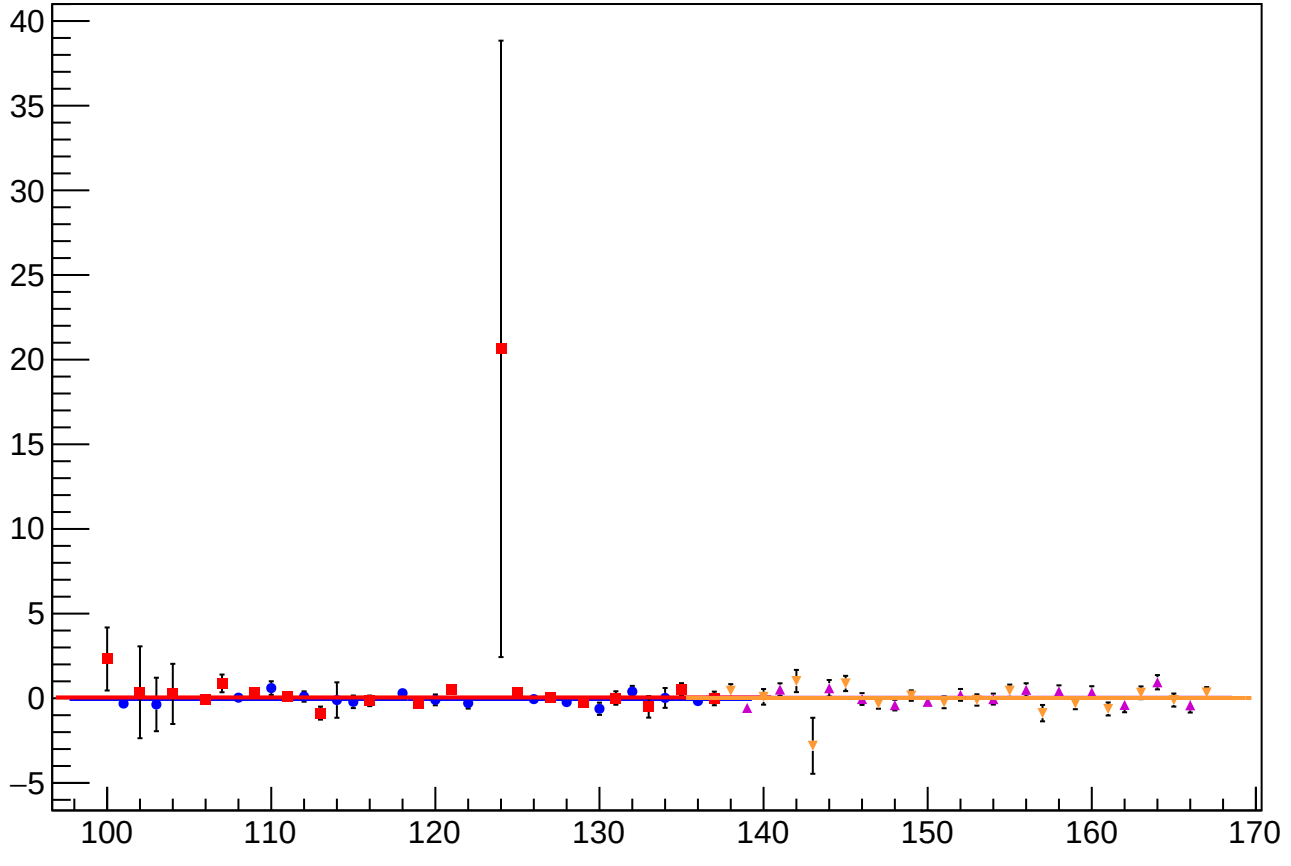
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 241.788+/-0.043 χ^2/NDF:3792127.8/29

Out: 242.975+/-0.043 χ^2/NDF:6484349.6/34

All: 242.373+/-0.030 χ^2/NDF: 10276861.5/64

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.017+/-0.096 χ^2/NDF:22.4/15

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.028+/-0.095 χ^2/NDF:21.0/13

Left: 0.023+/-0.068 χ^2/NDF: 43.4/29

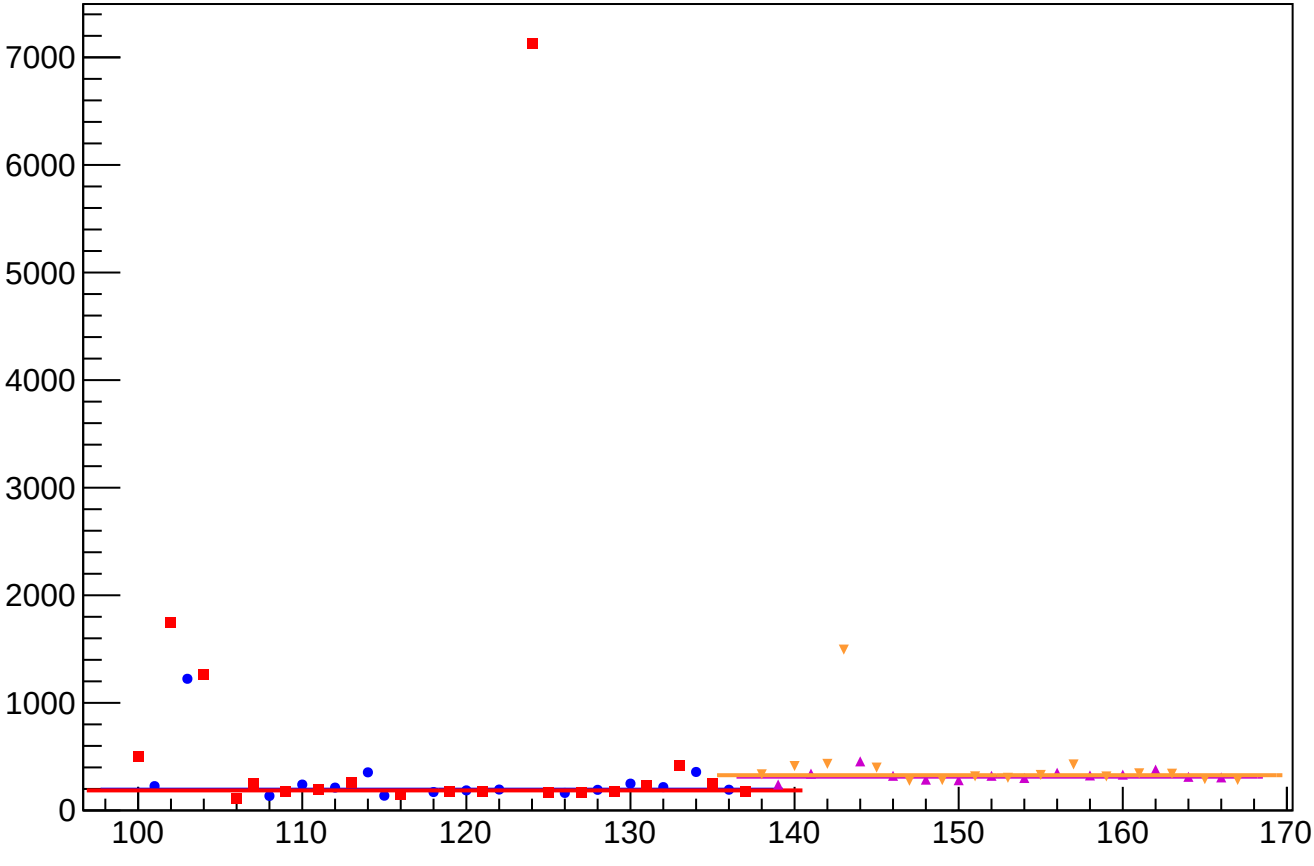
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.013+/-0.060 χ^2/NDF:33.0/29

Out: 0.036+/-0.061 χ^2/NDF:45.5/34

All: 0.011+/-0.043 χ^2/NDF: 78.8/64

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 327.647+/-0.068 χ^2/NDF:1429270.6/15

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.017+/-0.067 χ^2/NDF:444408.7/13

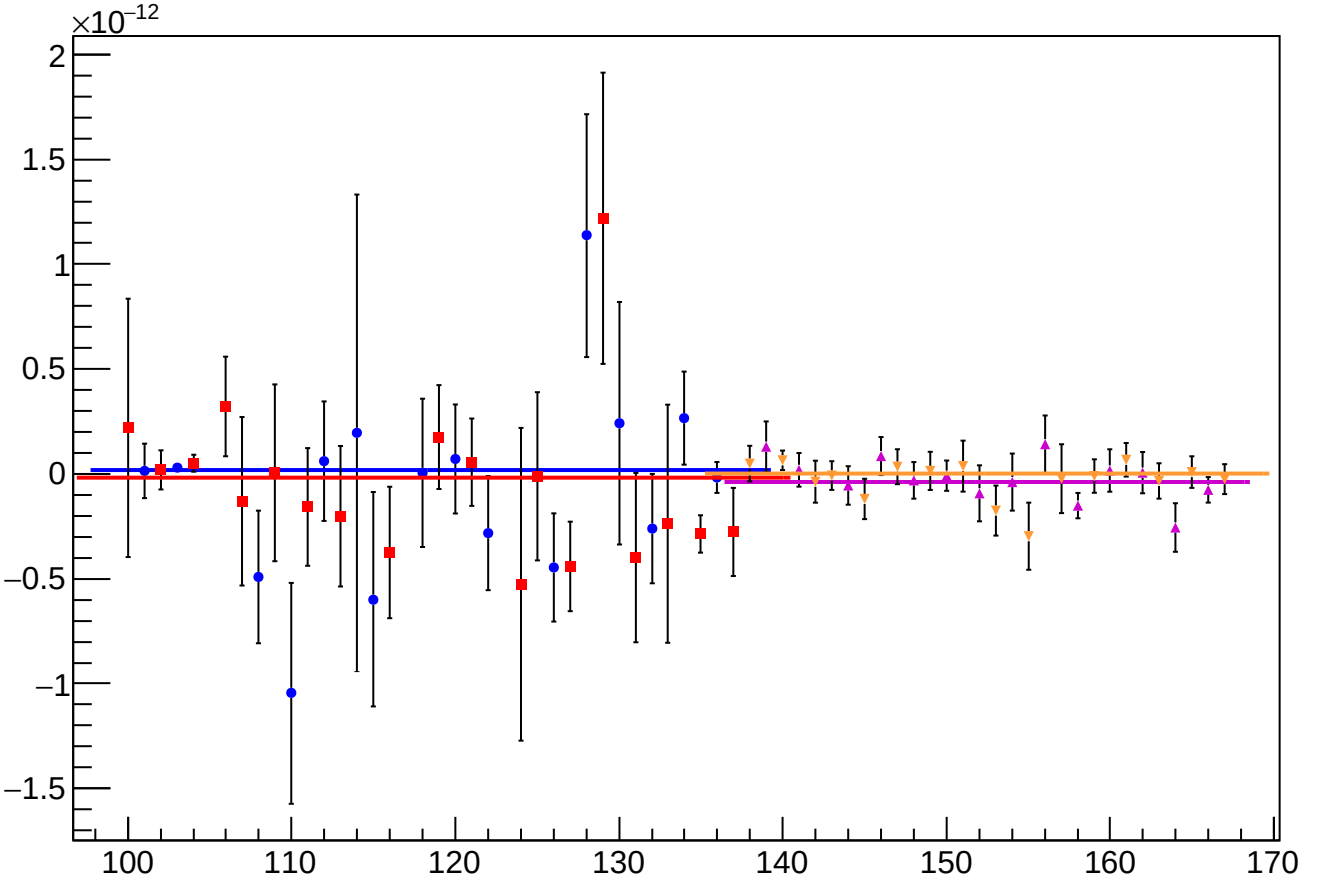
Left: 320.723+/-0.048 χ^2/NDF: 1894000.4/29

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 241.788+/-0.043 χ^2/NDF:3792127.8/29

Out: 242.975+/-0.043 χ^2/NDF:6484349.6/34

All: 242.373+/-0.030 χ^2/NDF: 10276861.5/64



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/13

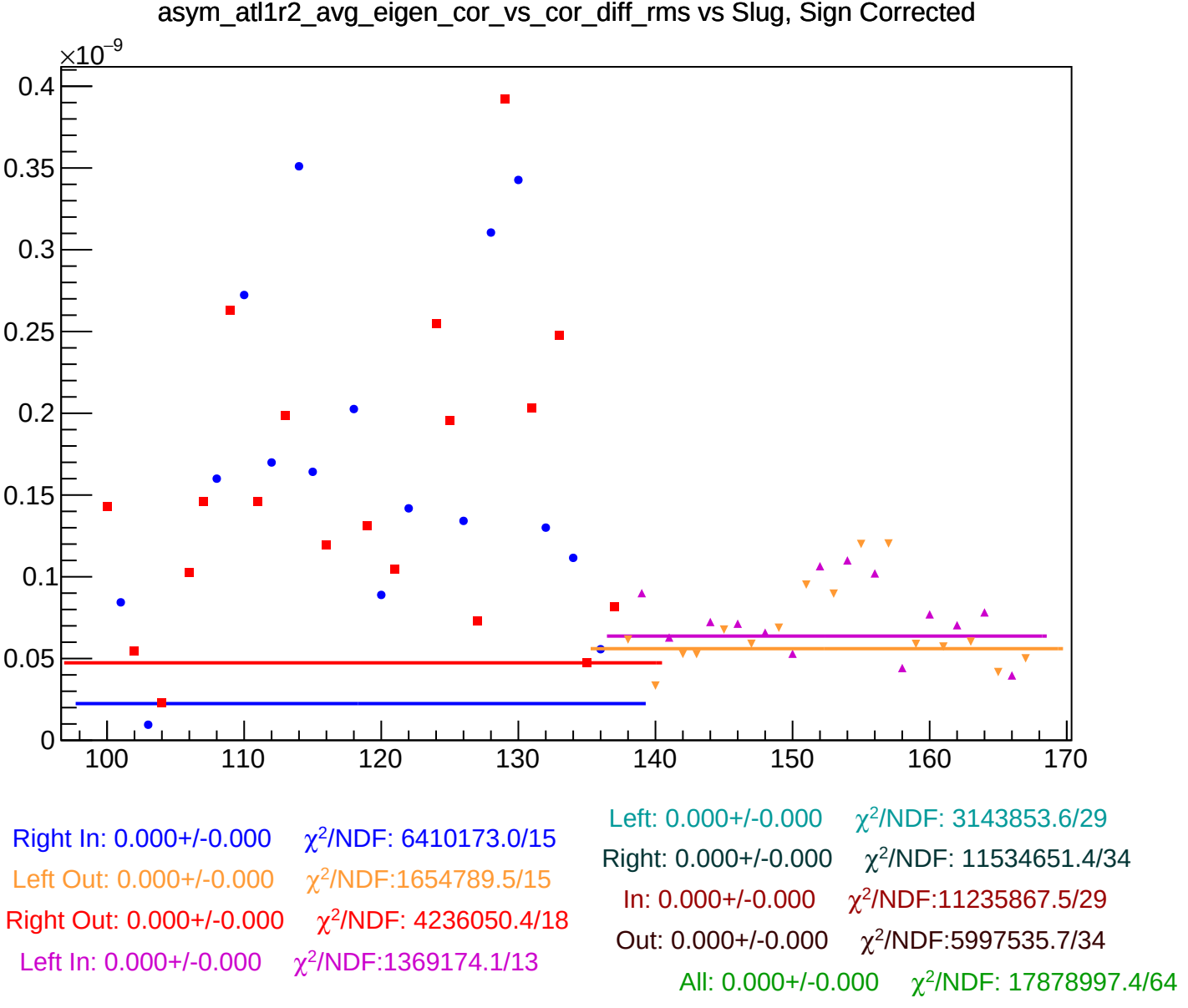
Left: -0.000+/-0.000 χ^2/NDF: 26.8/29

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

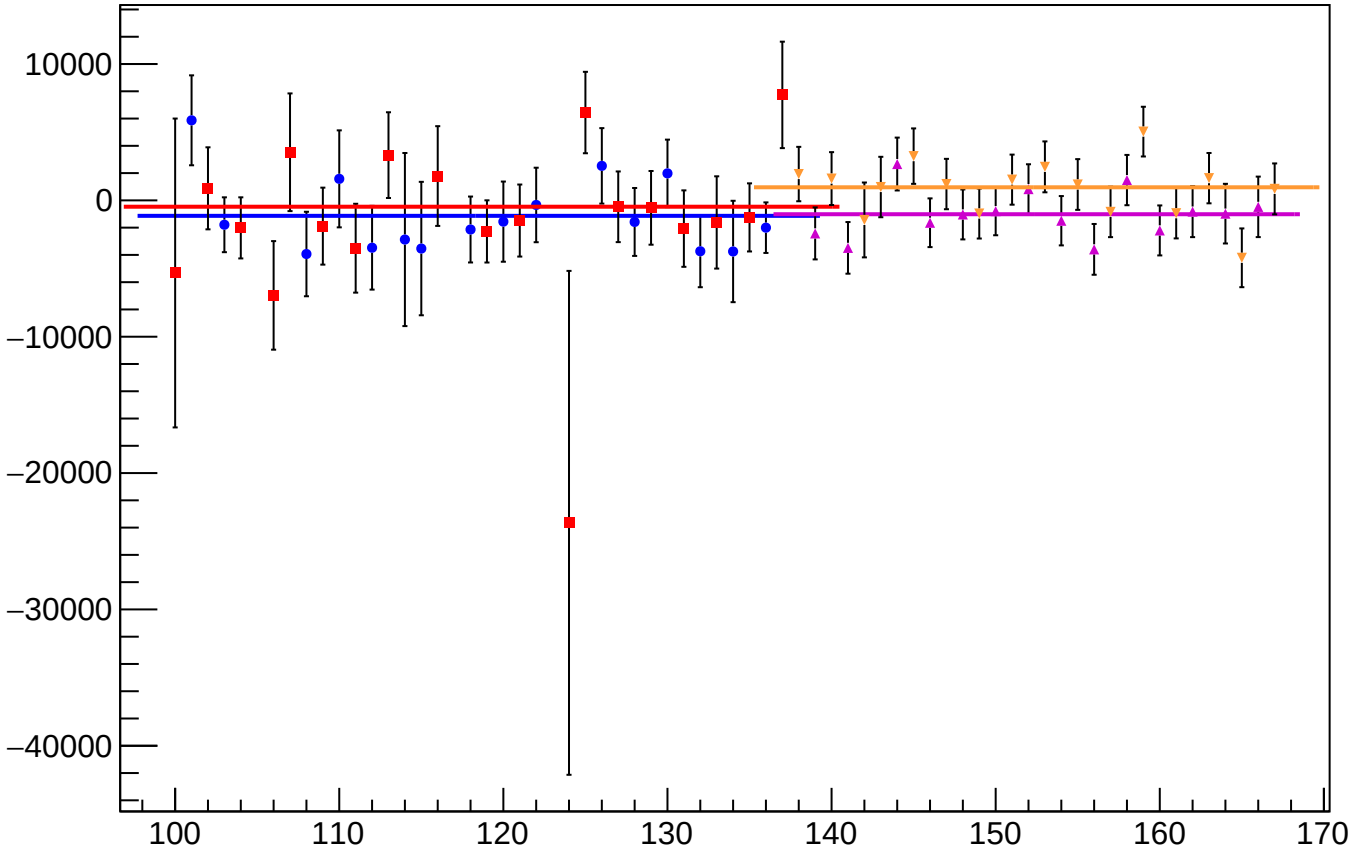
In: -0.000+/-0.000 χ^2/NDF:37.0/29

Out: -0.000+/-0.000 χ^2/NDF:38.3/34

All: -0.000+/-0.000 χ^2/NDF: 75.3/64


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1654789.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:1369174.1/13
Left: 0.000+/-0.000 χ²/NDF: 3143853.6/29
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:11235867.5/29
Out: 0.000+/-0.000 χ²/NDF:5997535.7/34
All: 0.000+/-0.000 χ²/NDF: 17878997.4/64

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 959.119+/-485.650 χ^2/NDF:17.2/15

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1016.502+/-504.086 χ^2/NDF:11.3/13

Left: 8.098+/-349.742 χ^2/NDF: 36.5/29

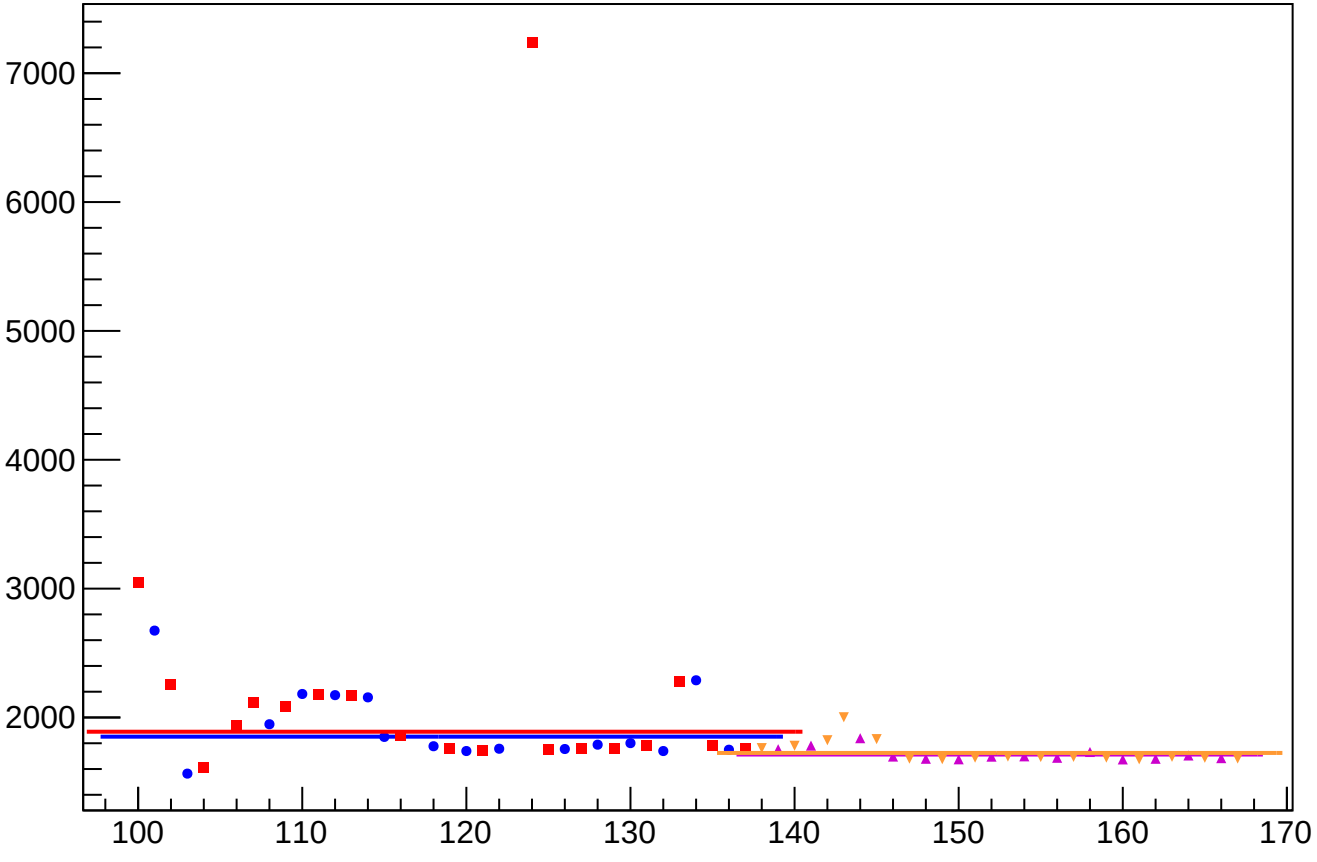
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1057.316+/-407.808 χ^2/NDF:23.6/29

Out: 501.458+/-400.109 χ^2/NDF:39.9/34

All: -263.078+/-285.603 χ^2/NDF: 71.0/64

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1724.818+/-0.343 χ^2/NDF:51096.0/15

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1712.389+/-0.356 χ^2/NDF:16522.7/13

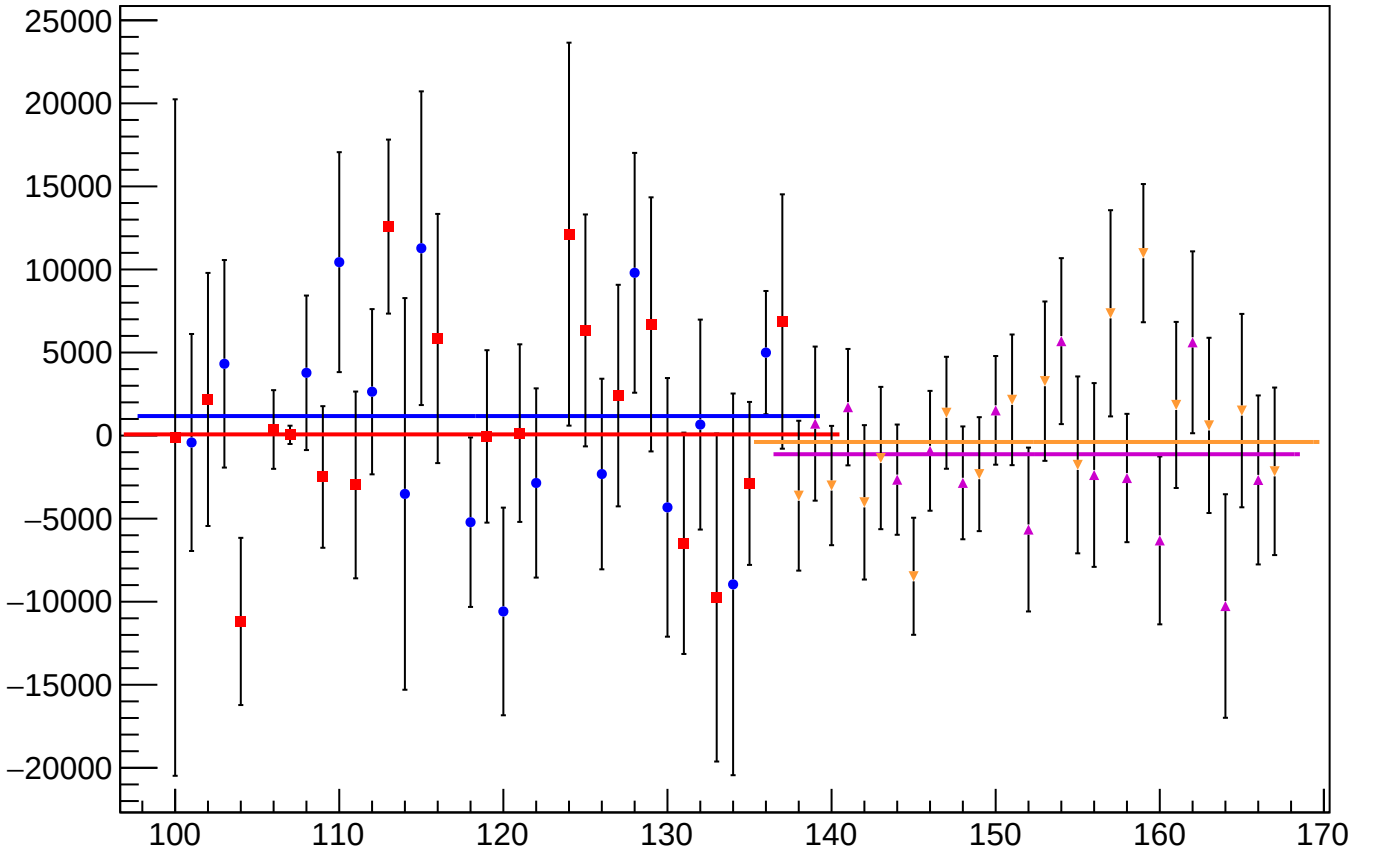
Left: 1718.835+/-0.247 χ^2/NDF: 68249.3/29

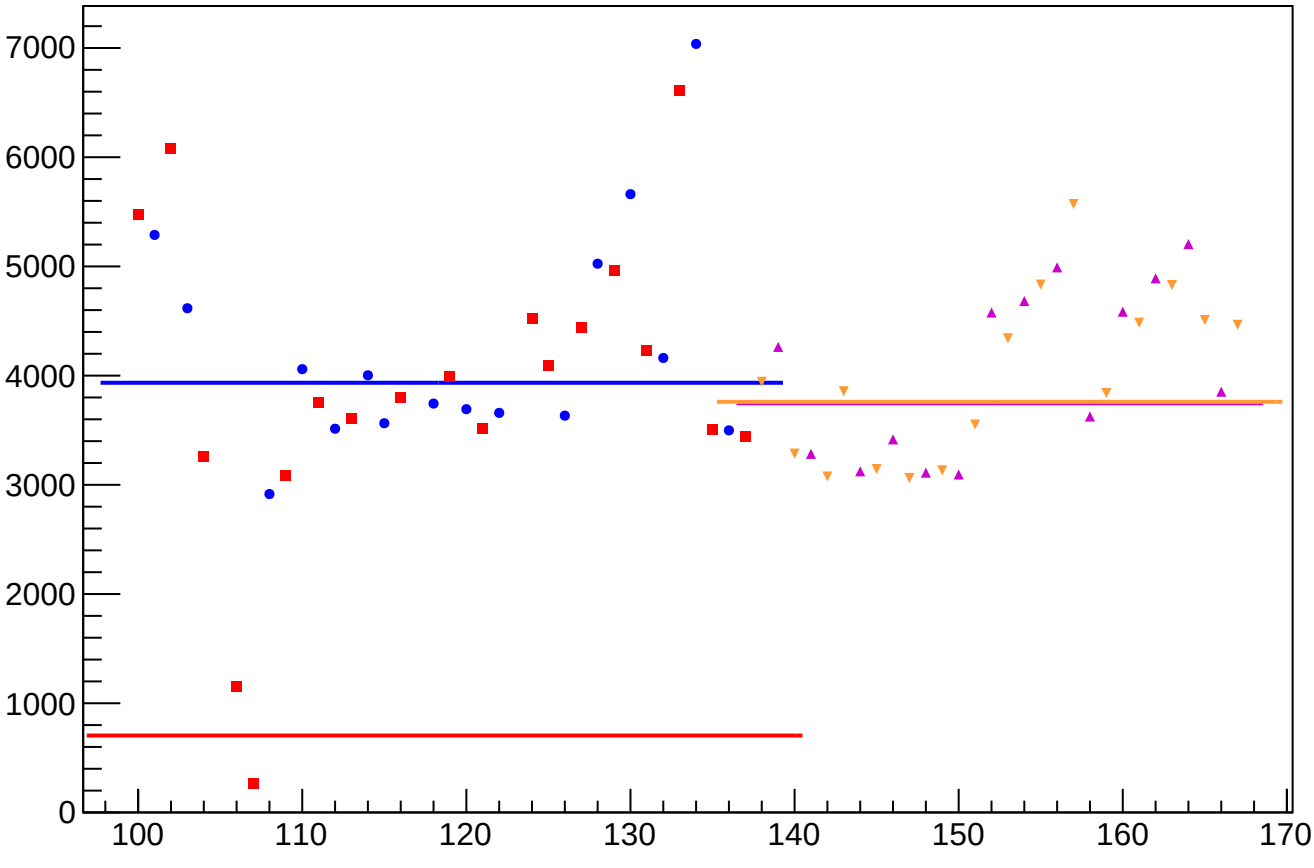
Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1760.326+/-0.288 χ^2/NDF:328852.0/29

Out: 1777.897+/-0.283 χ^2/NDF:484134.7/34

All: 1769.285+/-0.202 χ^2/NDF: 814879.9/64


asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1175.430+/-1502.128 χ²/NDF: 13.7/15
Left Out: -385.065+/-1082.727 χ²/NDF:18.1/15
Right Out: 72.681+/-505.693 χ²/NDF: 17.9/18
Left In: -1121.783+/-1125.178 χ²/NDF:9.3/13
Left: -739.264+/-780.179 χ²/NDF: 27.7/29
Right: 184.938+/-479.263 χ²/NDF: 32.1/34
In: -296.120+/-900.550 χ²/NDF:24.6/29
Out: -9.290+/-458.182 χ²/NDF:36.2/34
All: -68.271+/-408.366 χ²/NDF: 60.8/64



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3760.227+/-0.766 χ^2/NDF:779824.8/15

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3746.702+/-0.796 χ^2/NDF:763844.2/13

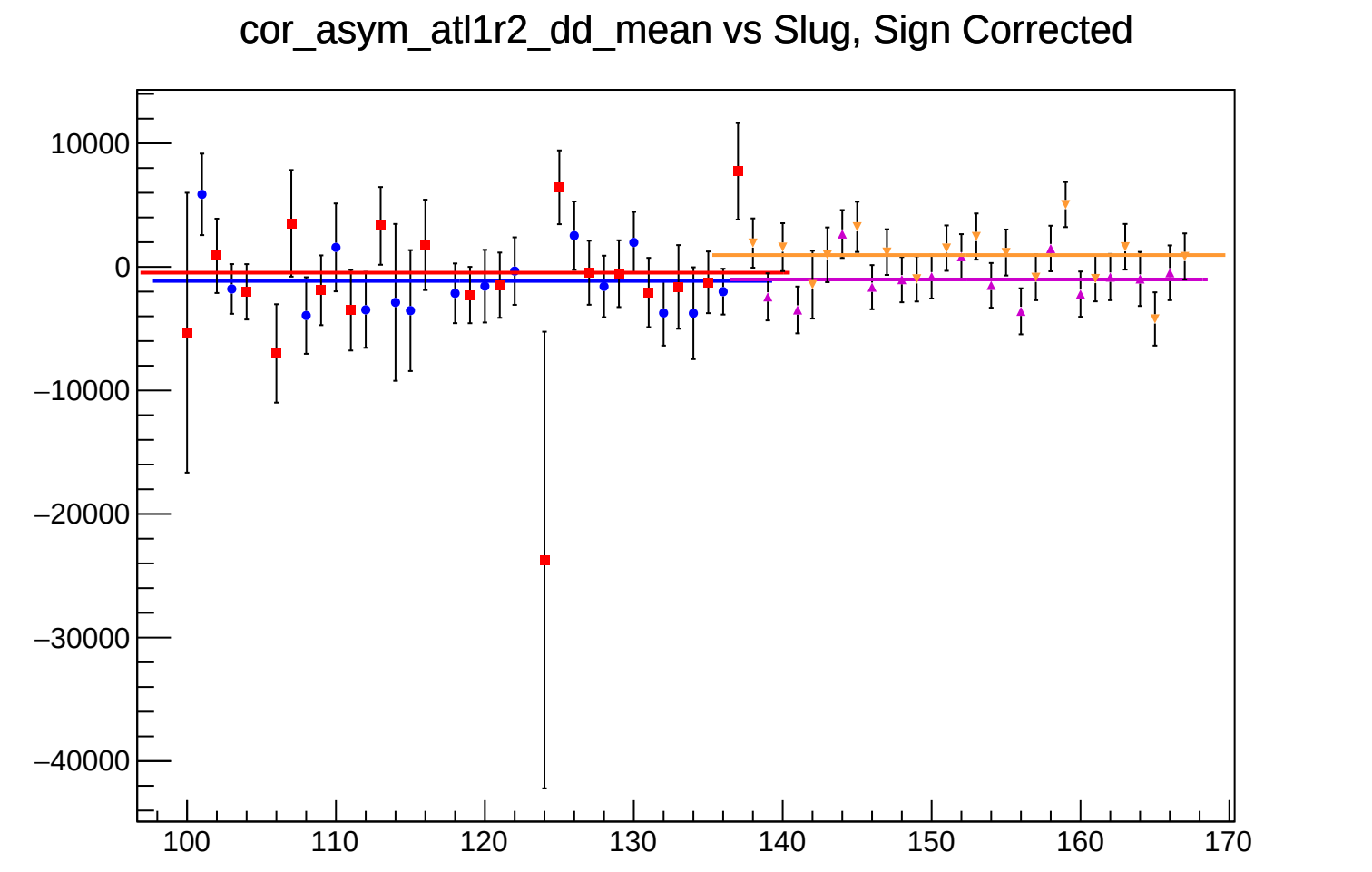
Left: 3753.725+/-0.552 χ^2/NDF: 1543819.0/29

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3814.279+/-0.637 χ^2/NDF:1344041.2/29

Out: 1251.615+/-0.324 χ^2/NDF:24476933.4/34

All: 1778.573+/-0.289 χ^2/NDF: 38686295.1/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 959.214+/-485.650 χ^2/NDF:17.2/15

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1016.456+/-504.086 χ^2/NDF:11.3/13

Left: 8.169+/-349.742 χ^2/NDF: 36.5/29

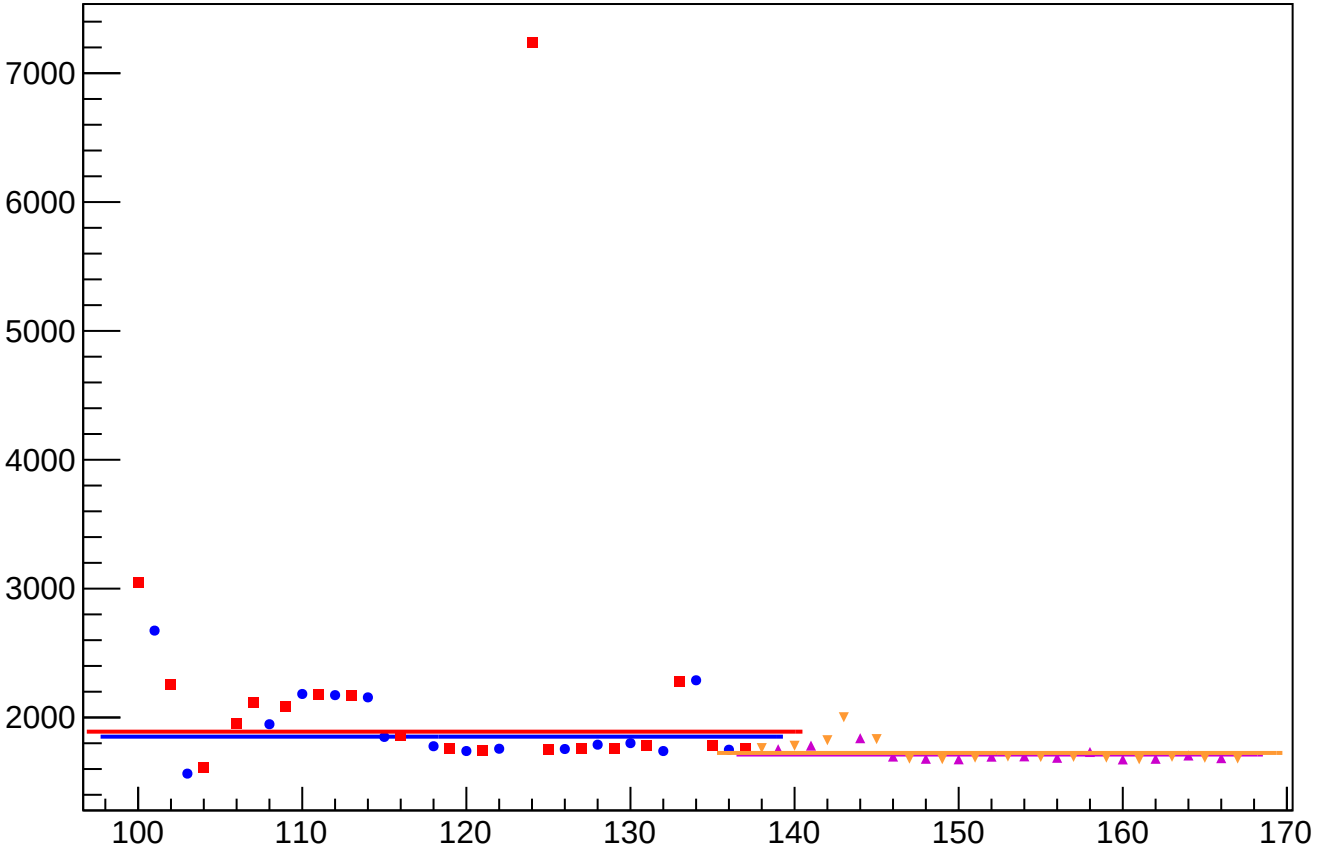
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1057.139+/-407.808 χ^2/NDF:23.6/29

Out: 501.402+/-400.110 χ^2/NDF:40.0/34

All: -263.020+/-285.603 χ^2/NDF: 71.0/64

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1724.818+/-0.343 χ^2/NDF:51096.0/15

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1712.389+/-0.356 χ^2/NDF:16522.7/13

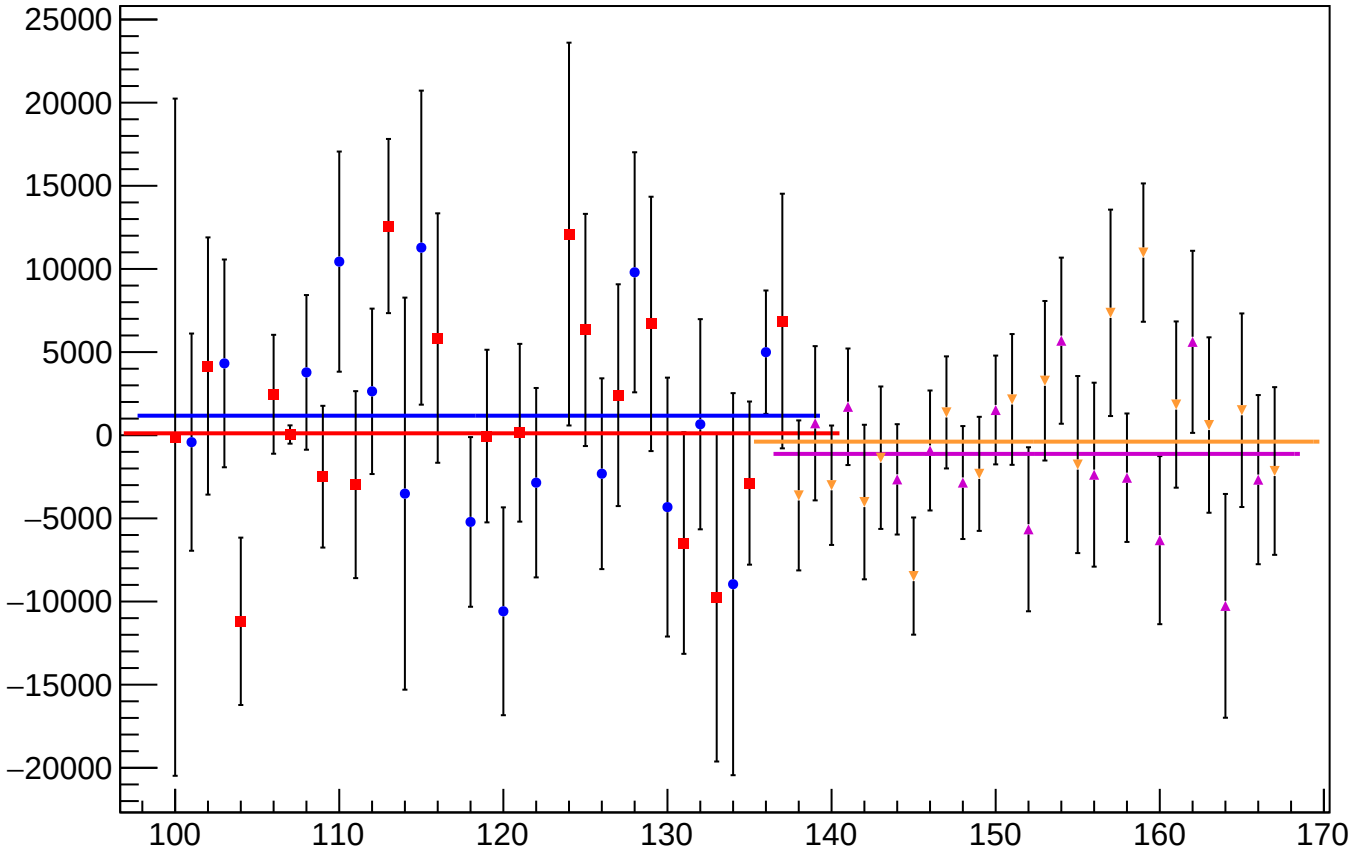
Left: 1718.835+/-0.247 χ^2/NDF: 68249.3/29

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1760.326+/-0.288 χ^2/NDF:328851.5/29

Out: 1778.028+/-0.283 χ^2/NDF:484744.5/34

All: 1769.352+/-0.202 χ^2/NDF: 815517.5/64



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -385.058+/-1082.724 χ^2/NDF:18.1/15

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1121.779+/-1125.178 χ^2/NDF:9.3/13

Left: -739.258+/-780.178 χ^2/NDF: 27.7/29

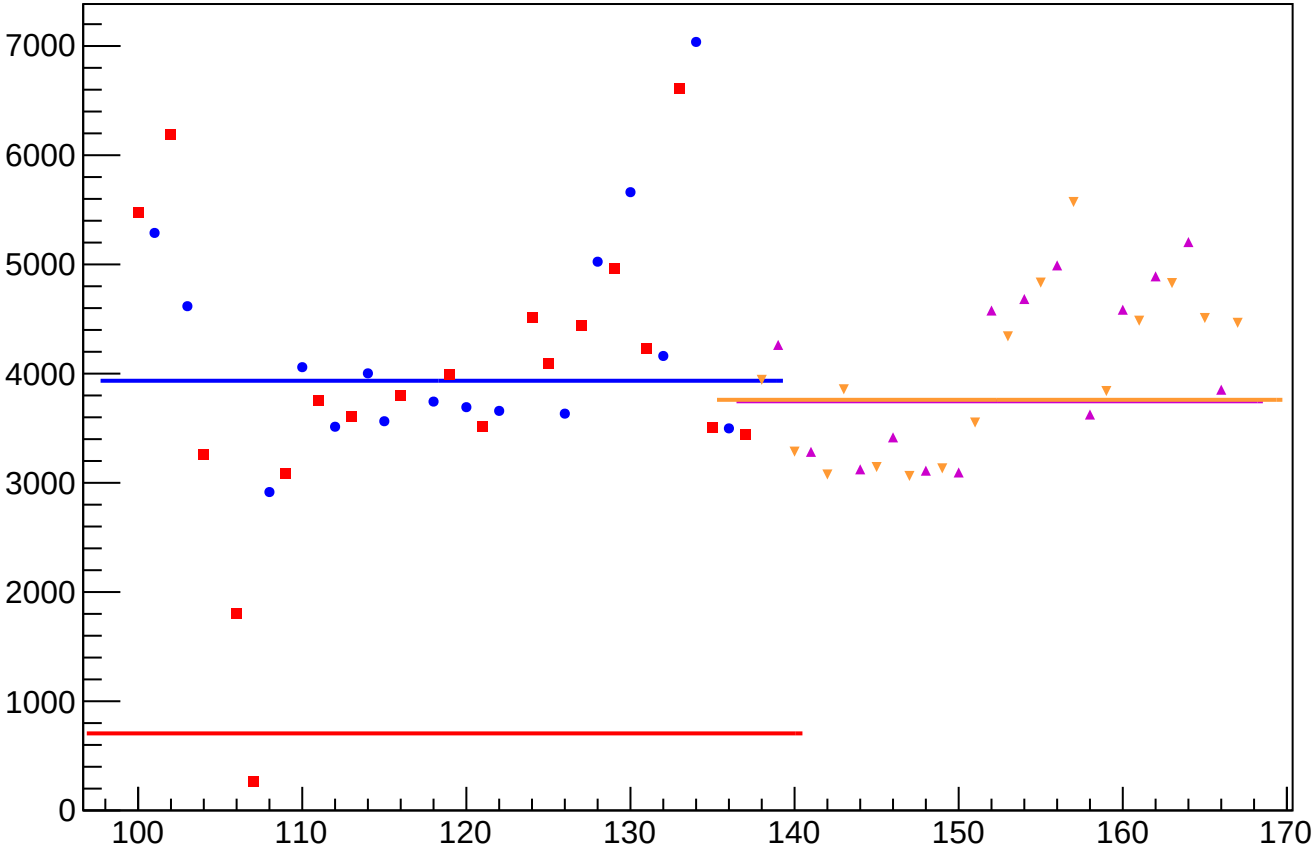
Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -296.129+/-900.551 χ^2/NDF:24.6/29

Out: 24.279+/-463.071 χ^2/NDF:36.8/34

All: -42.724+/-411.816 χ^2/NDF: 61.5/64

asym_atl1r2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3760.217+/-0.766 χ^2/NDF:779834.5/15

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3746.702+/-0.796 χ^2/NDF:763832.3/13

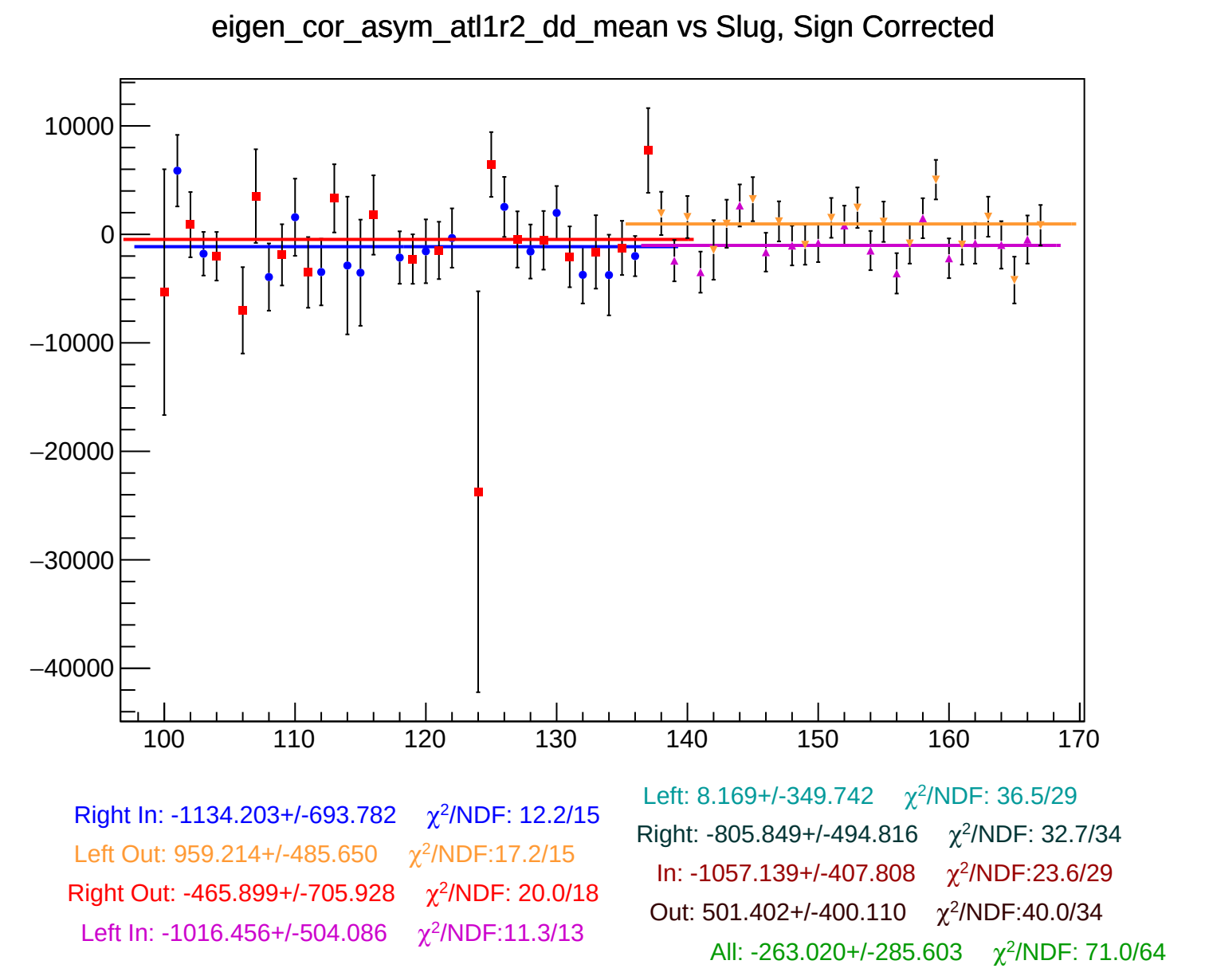
Left: 3753.719+/-0.552 χ^2/NDF: 1543816.6/29

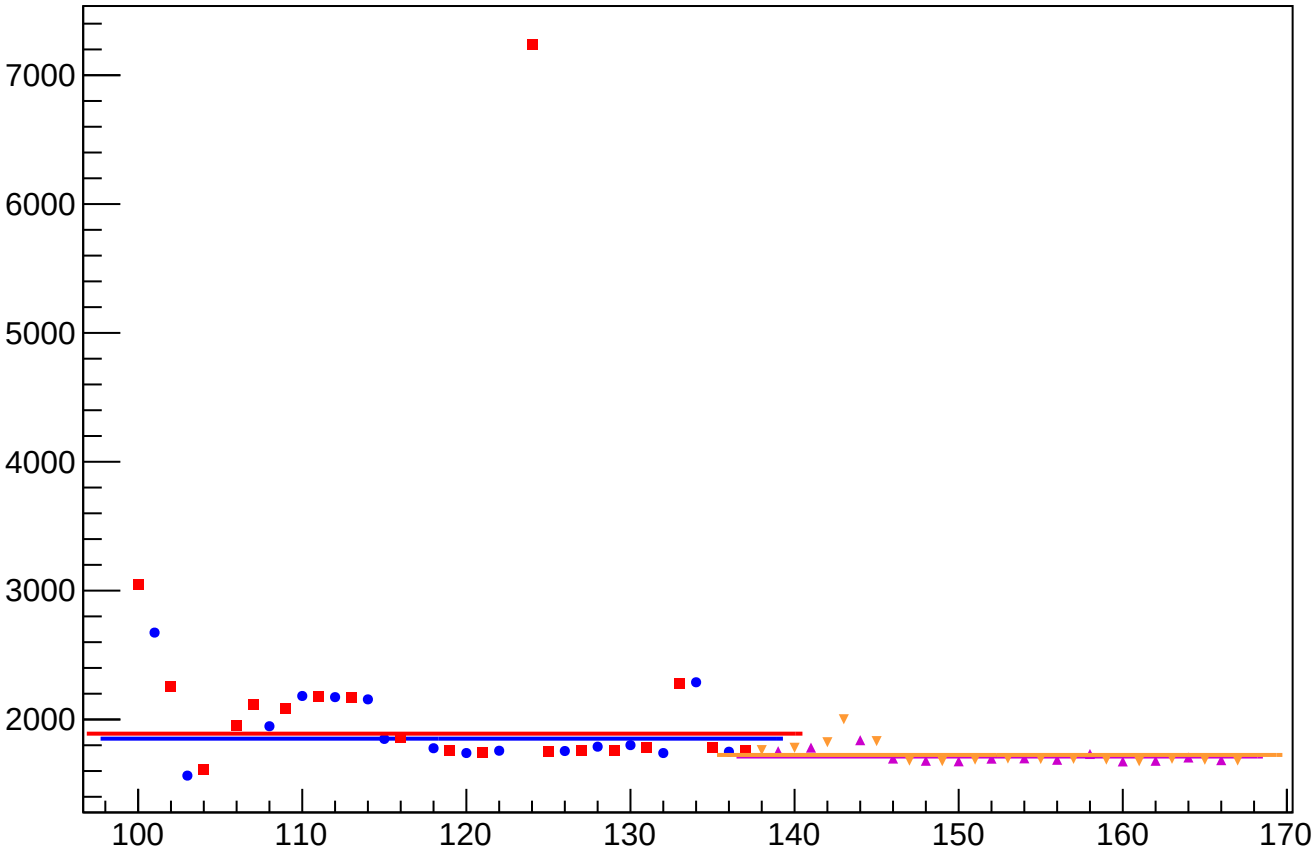
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3814.282+/-0.637 χ^2/NDF:1344055.3/29

Out: 1264.365+/-0.327 χ^2/NDF:24533748.1/34

All: 1797.597+/-0.291 χ^2/NDF: 38559489.9/6


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 959.214+/-485.650 χ²/NDF:17.2/15
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -1016.456+/-504.086 χ²/NDF:11.3/13
Left: 8.169+/-349.742 χ²/NDF: 36.5/29
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1057.139+/-407.808 χ²/NDF:23.6/29
Out: 501.402+/-400.110 χ²/NDF:40.0/34
All: -263.020+/-285.603 χ²/NDF: 71.0/64



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1724.818+/-0.343 χ^2/NDF:51096.0/15

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1712.389+/-0.356 χ^2/NDF:16522.7/13

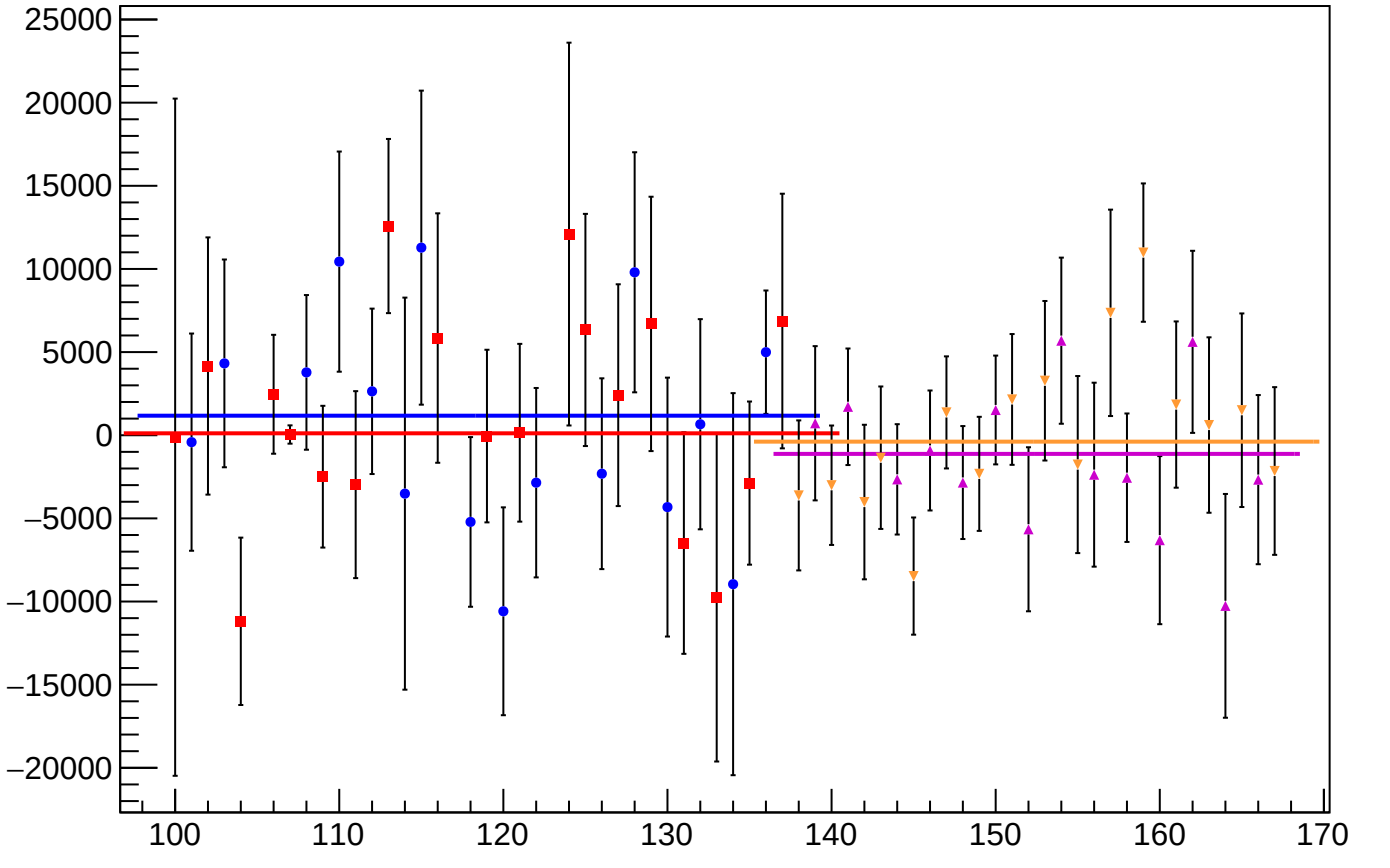
Left: 1718.835+/-0.247 χ^2/NDF: 68249.3/29

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1760.326+/-0.288 χ^2/NDF:328851.5/29

Out: 1778.028+/-0.283 χ^2/NDF:484744.5/34

All: 1769.352+/-0.202 χ^2/NDF: 815517.5/64



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -385.058+/-1082.724 χ^2/NDF:18.1/15

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1121.779+/-1125.178 χ^2/NDF:9.3/13

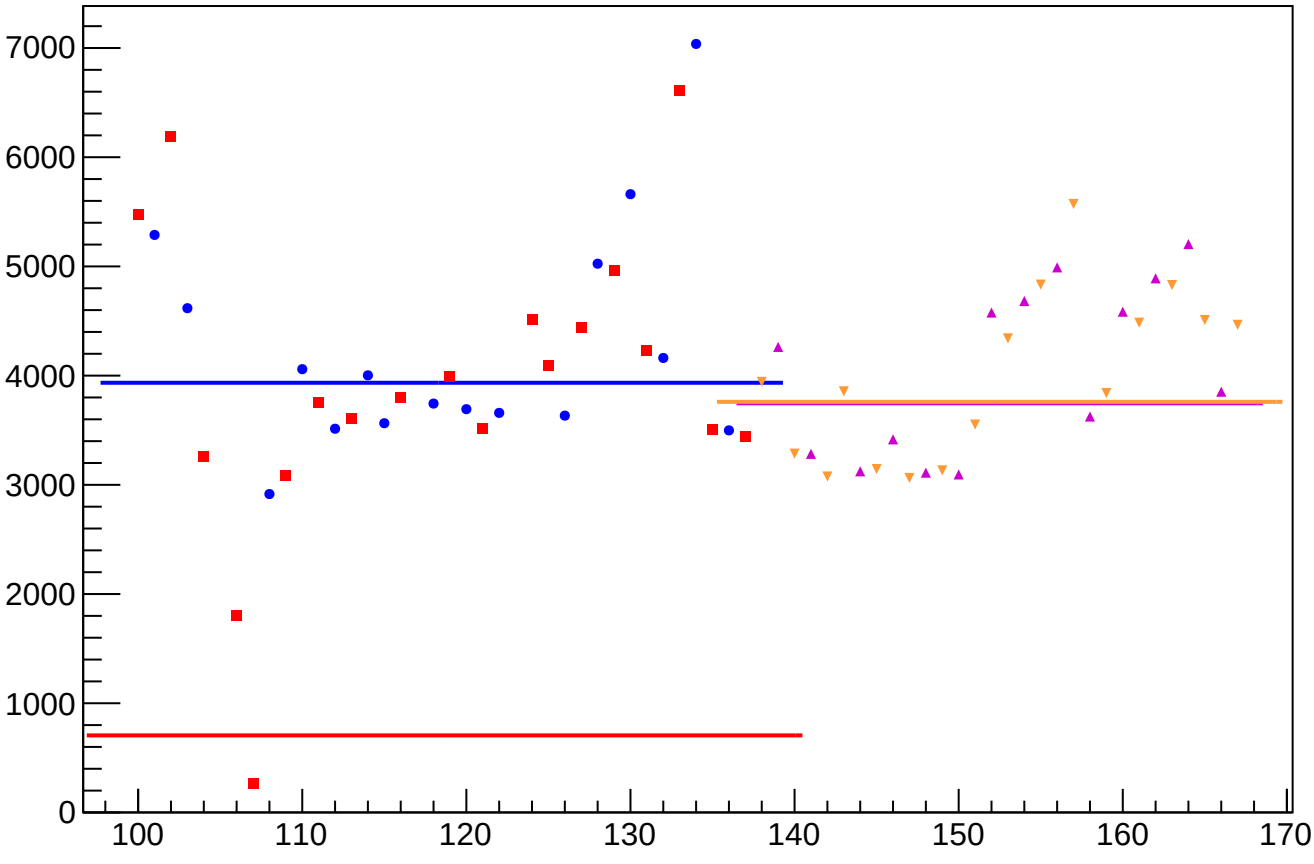
Left: -739.258+/-780.178 χ^2/NDF: 27.7/29

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -296.129+/-900.551 χ^2/NDF:24.6/29

Out: 24.279+/-463.071 χ^2/NDF:36.8/34

All: -42.724+/-411.816 χ^2/NDF: 61.5/64



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3760.217+/-0.766 χ^2/NDF:779834.5/15

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3746.702+/-0.796 χ^2/NDF:763832.3/13

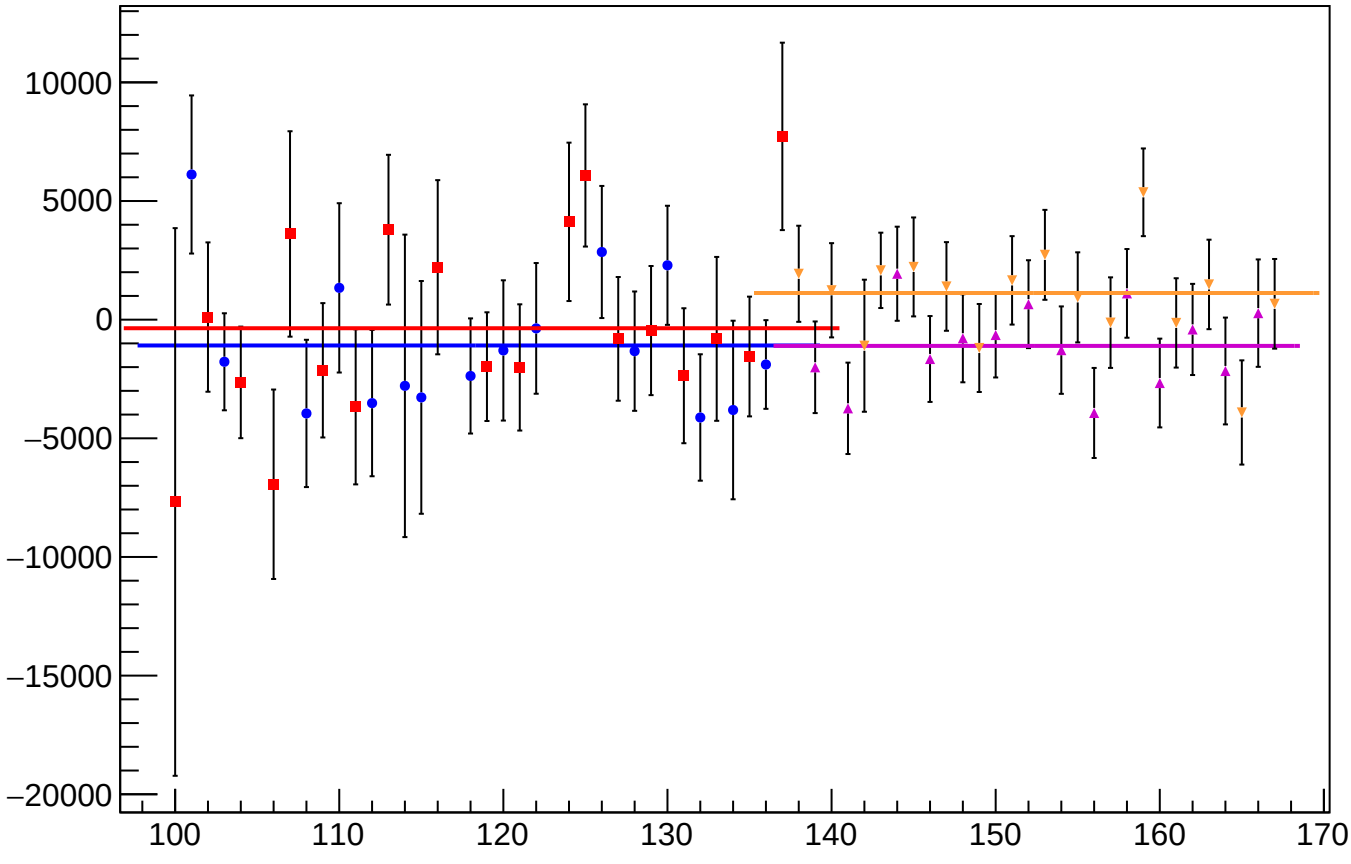
Left: 3753.719+/-0.552 χ^2/NDF: 1543816.6/29

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3814.282+/-0.637 χ^2/NDF:1344055.3/29

Out: 1264.365+/-0.327 χ^2/NDF:24533748.1/34

All: 1797.597+/-0.291 χ^2/NDF: 38559489.9/6



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1123.675+/-482.617 χ^2/NDF:15.3/15

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1105.366+/-512.944 χ^2/NDF:10.6/13

Left: 76.993+/-351.494 χ^2/NDF: 35.9/29

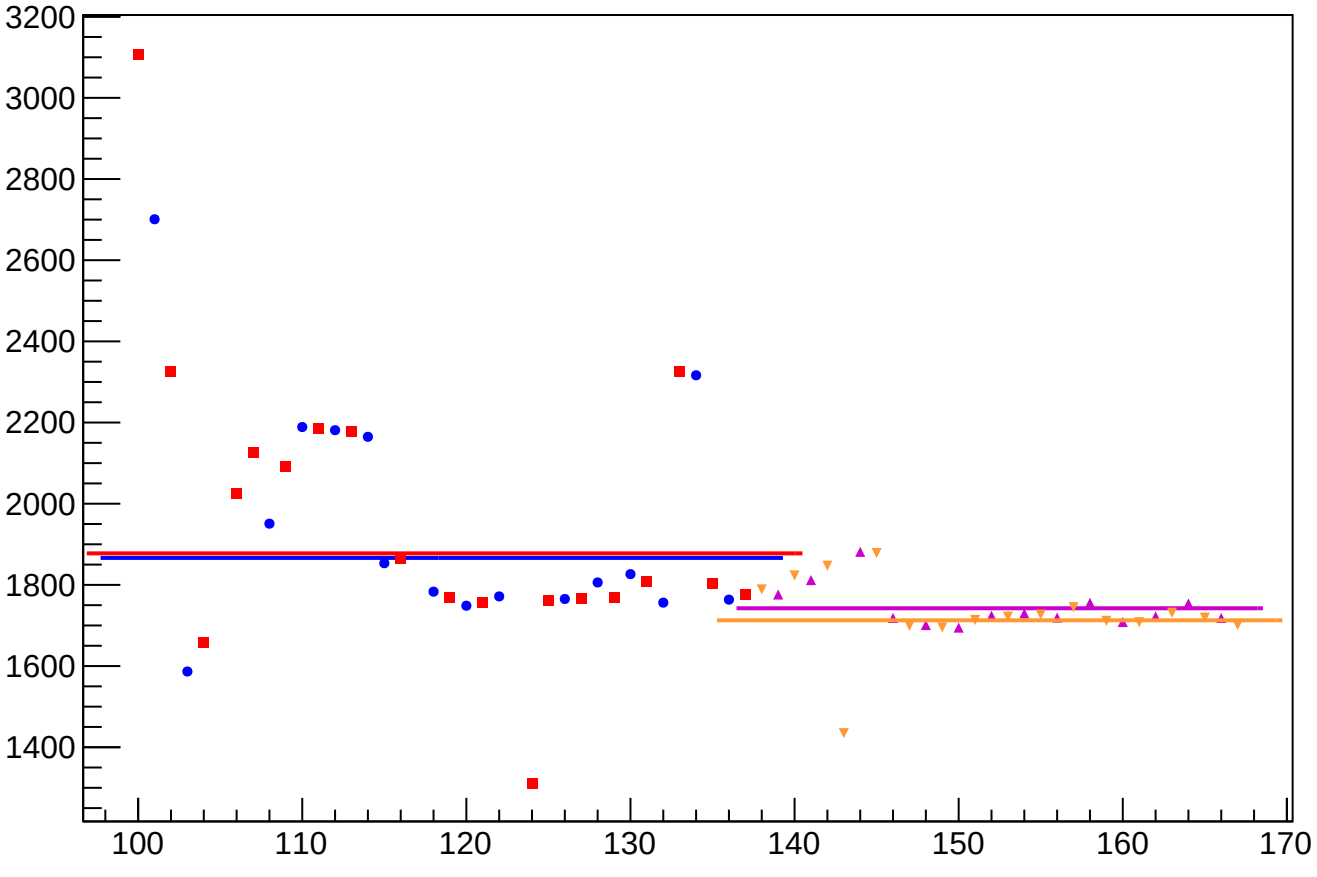
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1099.200+/-413.663 χ^2/NDF:23.8/29

Out: 644.943+/-397.273 χ^2/NDF:39.2/34

All: -191.890+/-286.533 χ^2/NDF: 72.2/64

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1712.692+/-0.341 χ^2/NDF:89016.8/15

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1742.392+/-0.363 χ^2/NDF:17647.8/13

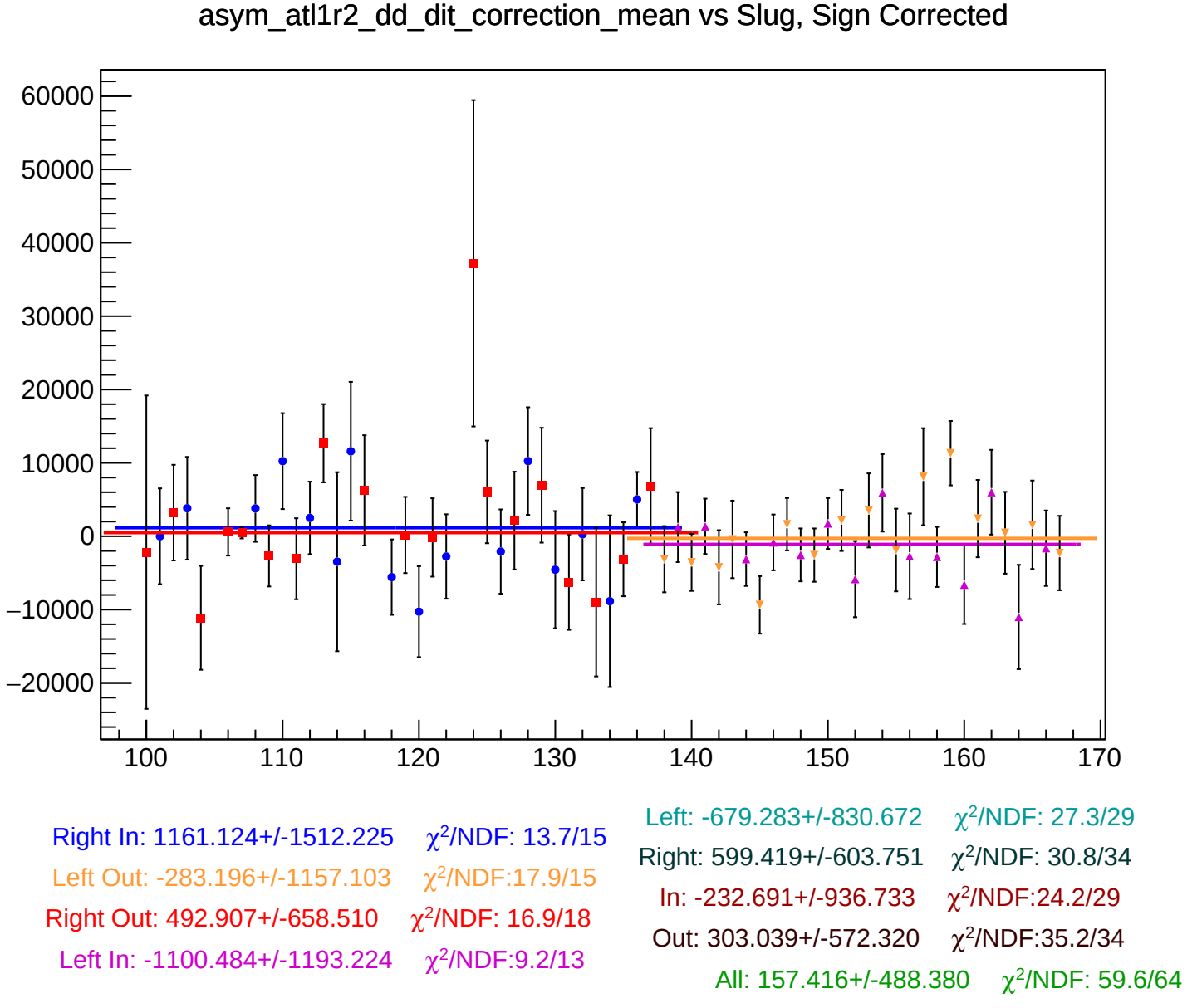
Left: 1726.638+/-0.249 χ^2/NDF: 110221.3/29

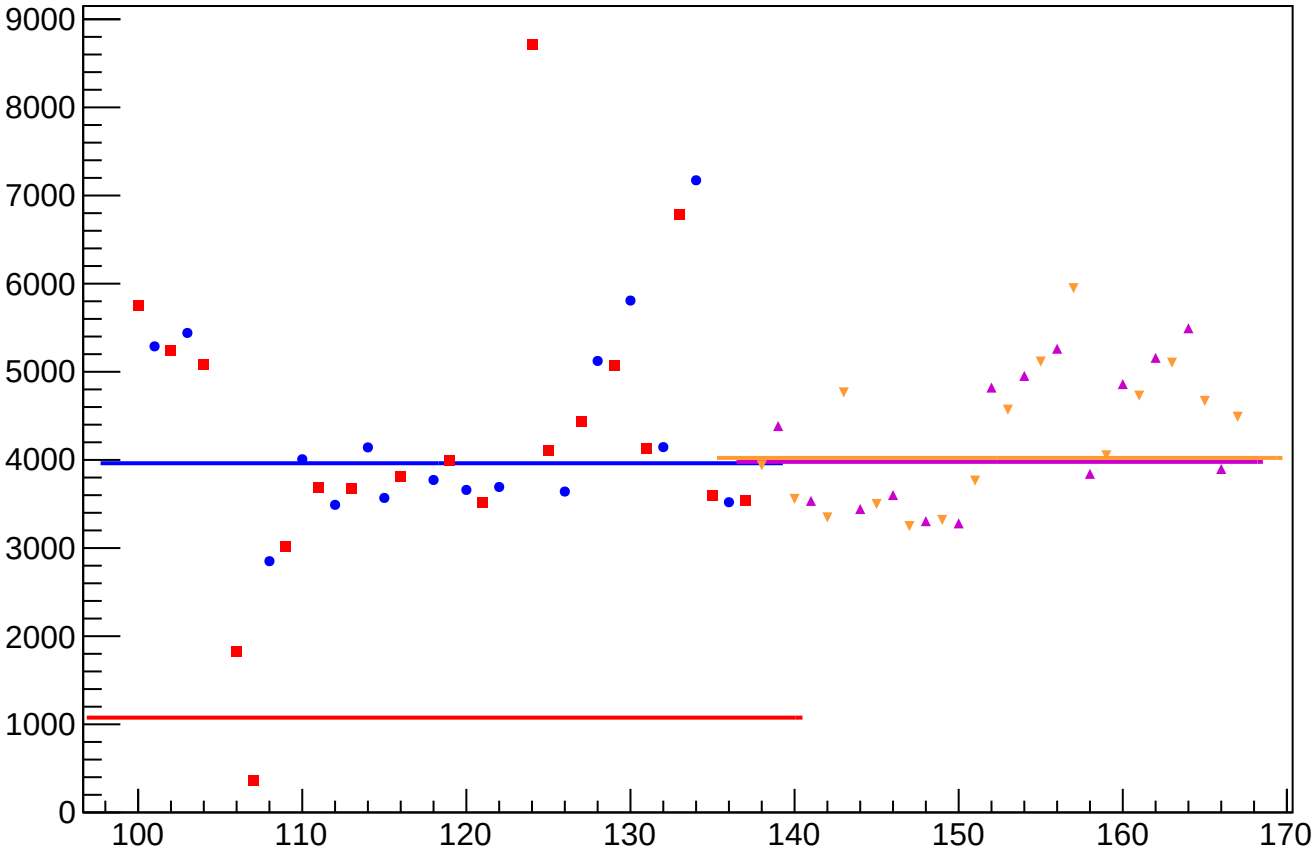
Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1785.770+/-0.293 χ^2/NDF:314817.3/29

Out: 1765.937+/-0.281 χ^2/NDF:416290.2/34

All: 1775.450+/-0.203 χ^2/NDF: 733499.7/64


asym_atl1r2_dd_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 1161.124+/-1512.225 χ²/NDF: 13.7/15
Left Out: -283.196+/-1157.103 χ²/NDF:17.9/15
Right Out: 492.907+/-658.510 χ²/NDF: 16.9/18
Left In: -1100.484+/-1193.224 χ²/NDF:9.2/13
Left: -679.283+/-830.672 χ²/NDF: 27.3/29
Right: 599.419+/-603.751 χ²/NDF: 30.8/34
In: -232.691+/-936.733 χ²/NDF:24.2/29
Out: 303.039+/-572.320 χ²/NDF:35.2/34
All: 157.416+/-488.380 χ²/NDF: 59.6/64



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4022.937+/-0.818 χ^2/NDF:735891.4/15

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3978.040+/-0.844 χ^2/NDF:704247.3/13

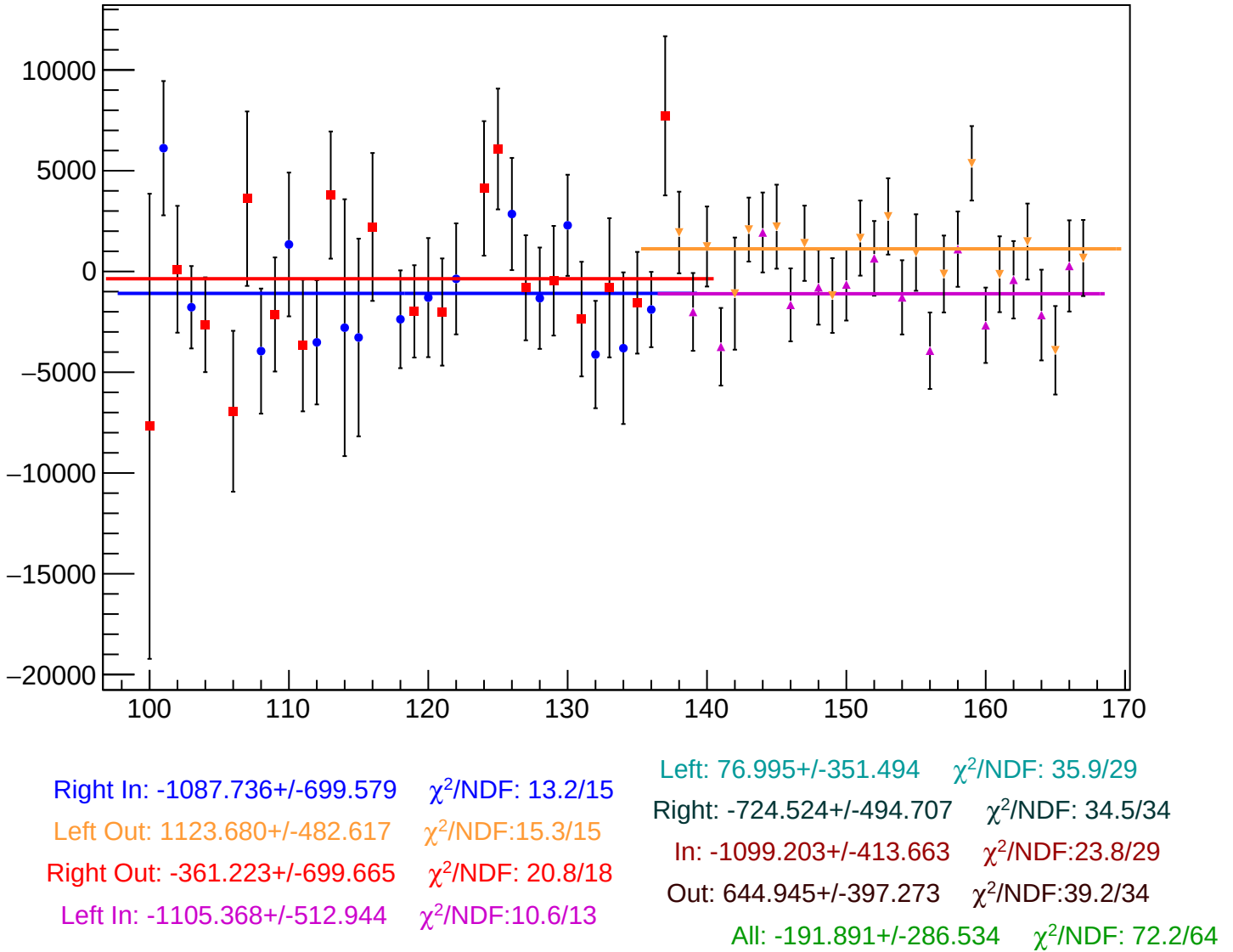
Left: 4001.178+/-0.587 χ^2/NDF: 1441598.0/29

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3972.026+/-0.662 χ^2/NDF:1372719.3/29

Out: 1796.916+/-0.405 χ^2/NDF:20093496.4/34

All: 2388.157+/-0.345 χ^2/NDF: 29318554.9/6


eigen_dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
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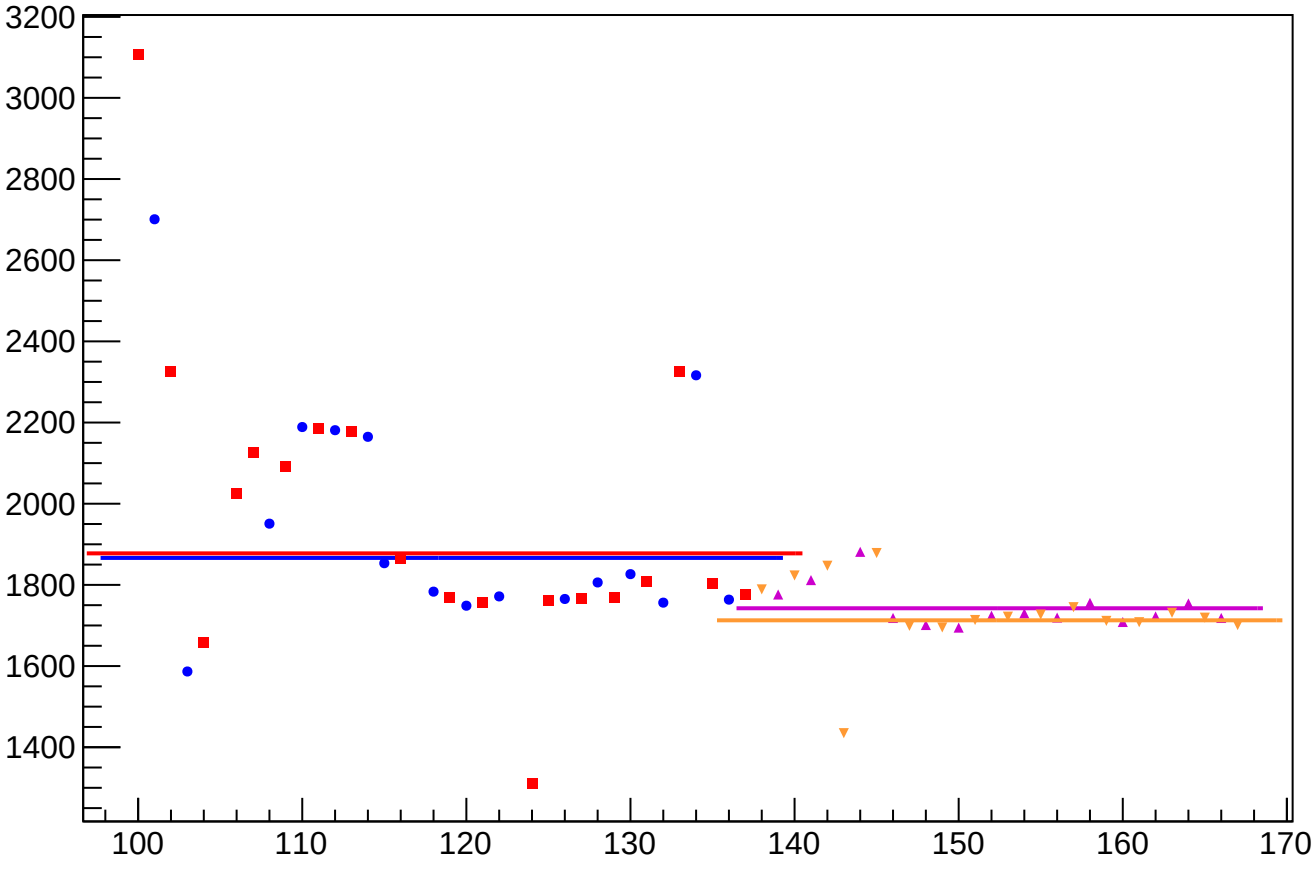
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -1087.736+/-699.579 χ²/NDF: 13.2/15
Left Out: 1123.680+/-482.617 χ²/NDF:15.3/15
Right Out: -361.223+/-699.665 χ²/NDF: 20.8/18
Left In: -1105.368+/-512.944 χ²/NDF:10.6/13
Left: 76.995+/-351.494 χ²/NDF: 35.9/29
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -1099.203+/-413.663 χ²/NDF:23.8/29
Out: 644.945+/-397.273 χ²/NDF:39.2/34
All: -191.891+/-286.534 χ²/NDF: 72.2/64



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1712.693+/-0.341 χ^2/NDF:89016.0/15

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1742.393+/-0.363 χ^2/NDF:17647.7/13

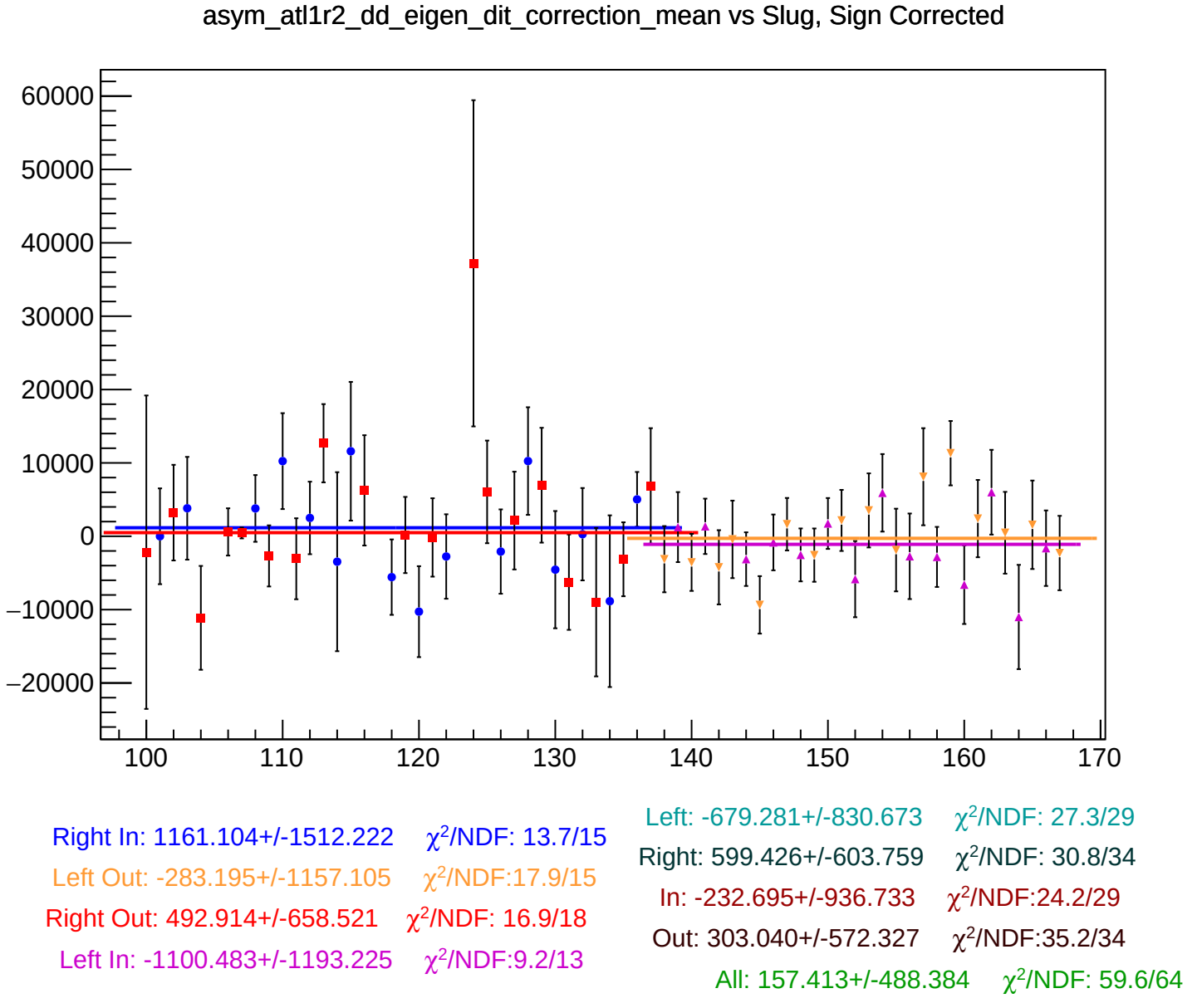
Left: 1726.639+/-0.249 χ^2/NDF: 110220.3/29

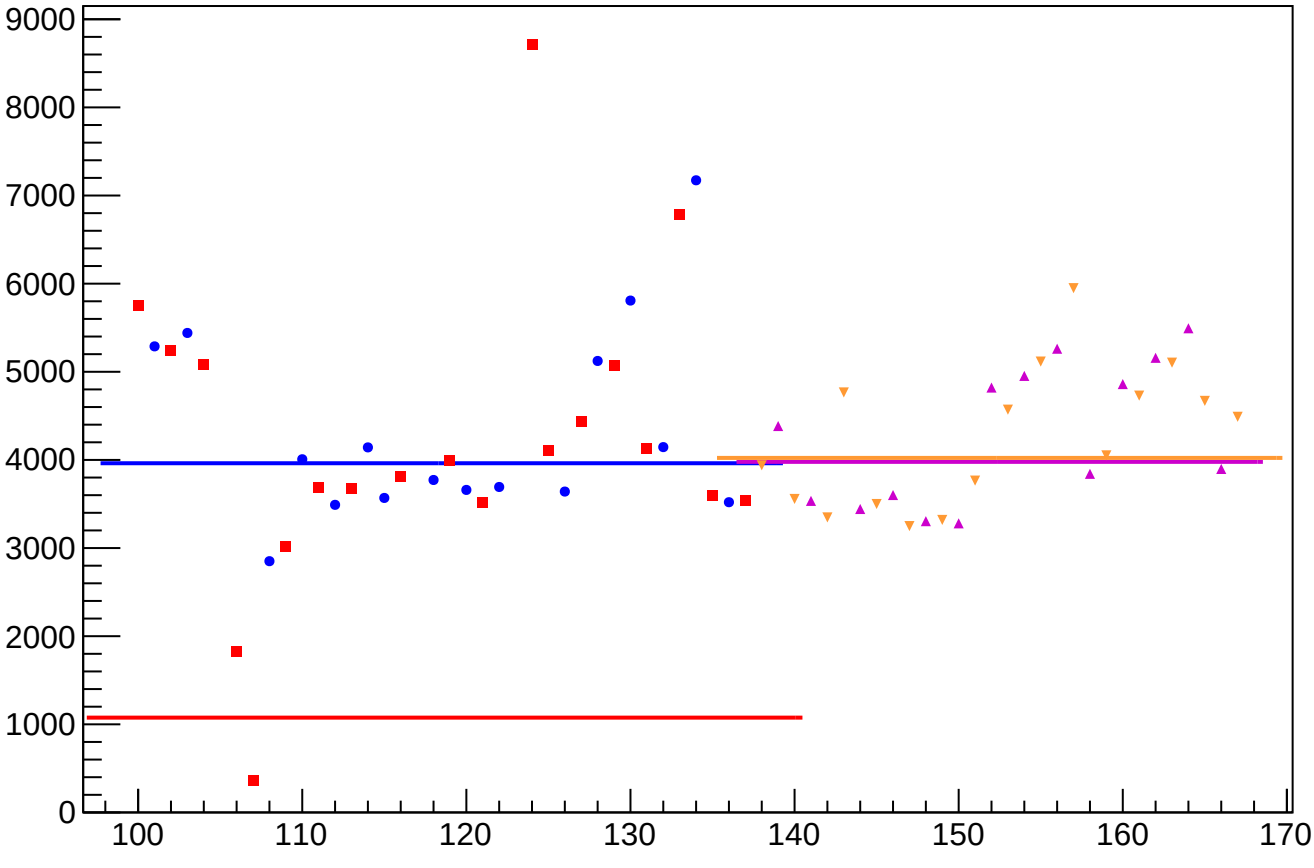
Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1785.770+/-0.293 χ^2/NDF:314816.4/29

Out: 1765.938+/-0.281 χ^2/NDF:416288.7/34

All: 1775.451+/-0.203 χ^2/NDF: 733497.2/64


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 1161.104+/-1512.222 χ²/NDF: 13.7/15
Left Out: -283.195+/-1157.105 χ²/NDF:17.9/15
Right Out: 492.914+/-658.521 χ²/NDF: 16.9/18
Left In: -1100.483+/-1193.225 χ²/NDF:9.2/13
Left: -679.281+/-830.673 χ²/NDF: 27.3/29
Right: 599.426+/-603.759 χ²/NDF: 30.8/34
In: -232.695+/-936.733 χ²/NDF:24.2/29
Out: 303.040+/-572.327 χ²/NDF:35.2/34
All: 157.413+/-488.384 χ²/NDF: 59.6/64



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4022.942+/-0.818 χ^2/NDF:735892.4/15

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3978.046+/-0.844 χ^2/NDF:704248.1/13

Left: 4001.184+/-0.587 χ^2/NDF: 1441599.7/29

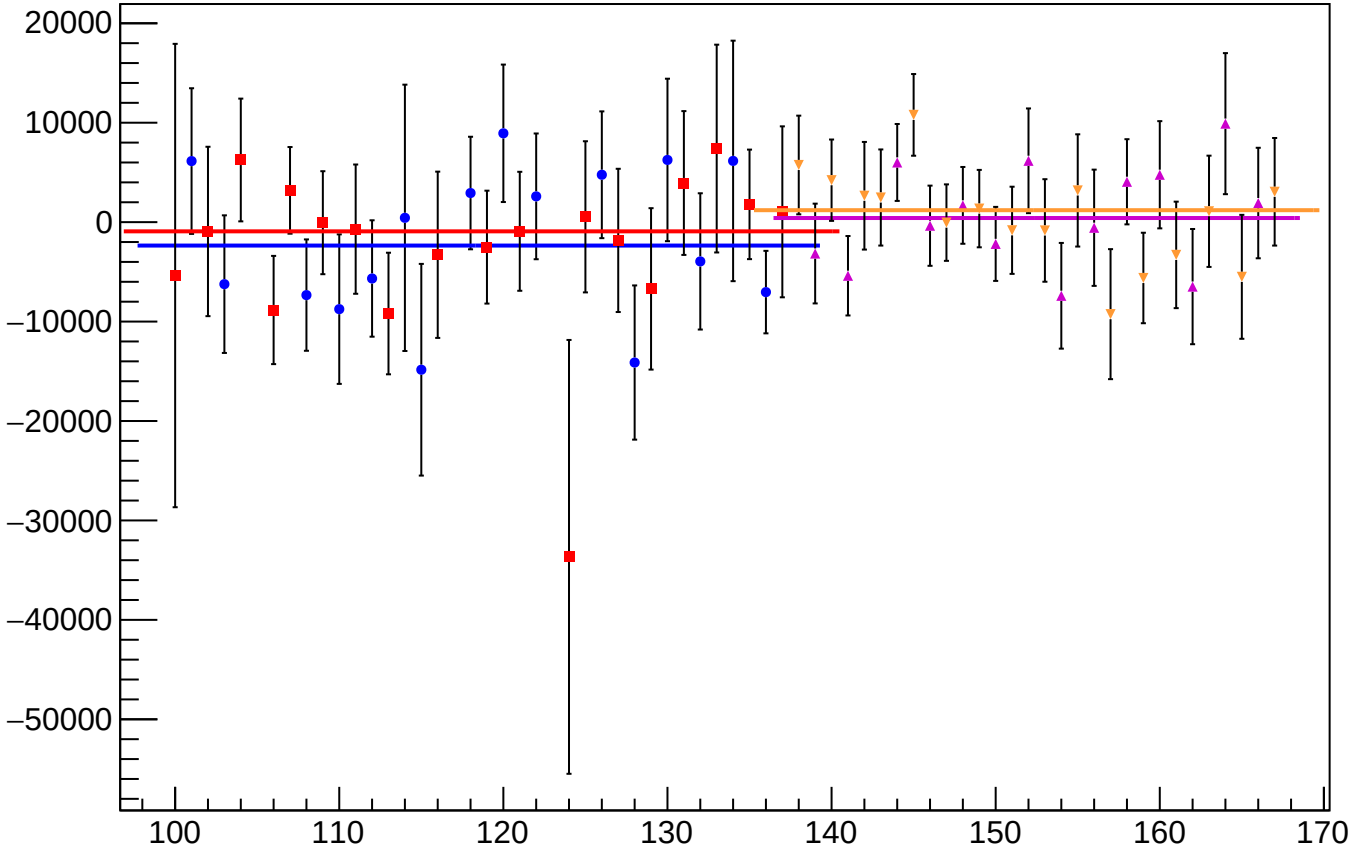
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3972.027+/-0.662 χ^2/NDF:1372716.6/29

Out: 1796.956+/-0.405 χ^2/NDF:20093100.7/34

All: 2388.198+/-0.345 χ^2/NDF: 29317812.3/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1202.522+/-1204.169 χ^2/NDF:14.4/15

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 414.935+/-1248.409 χ^2/NDF:13.4/13

Left: 822.931+/-866.694 χ^2/NDF: 27.9/29

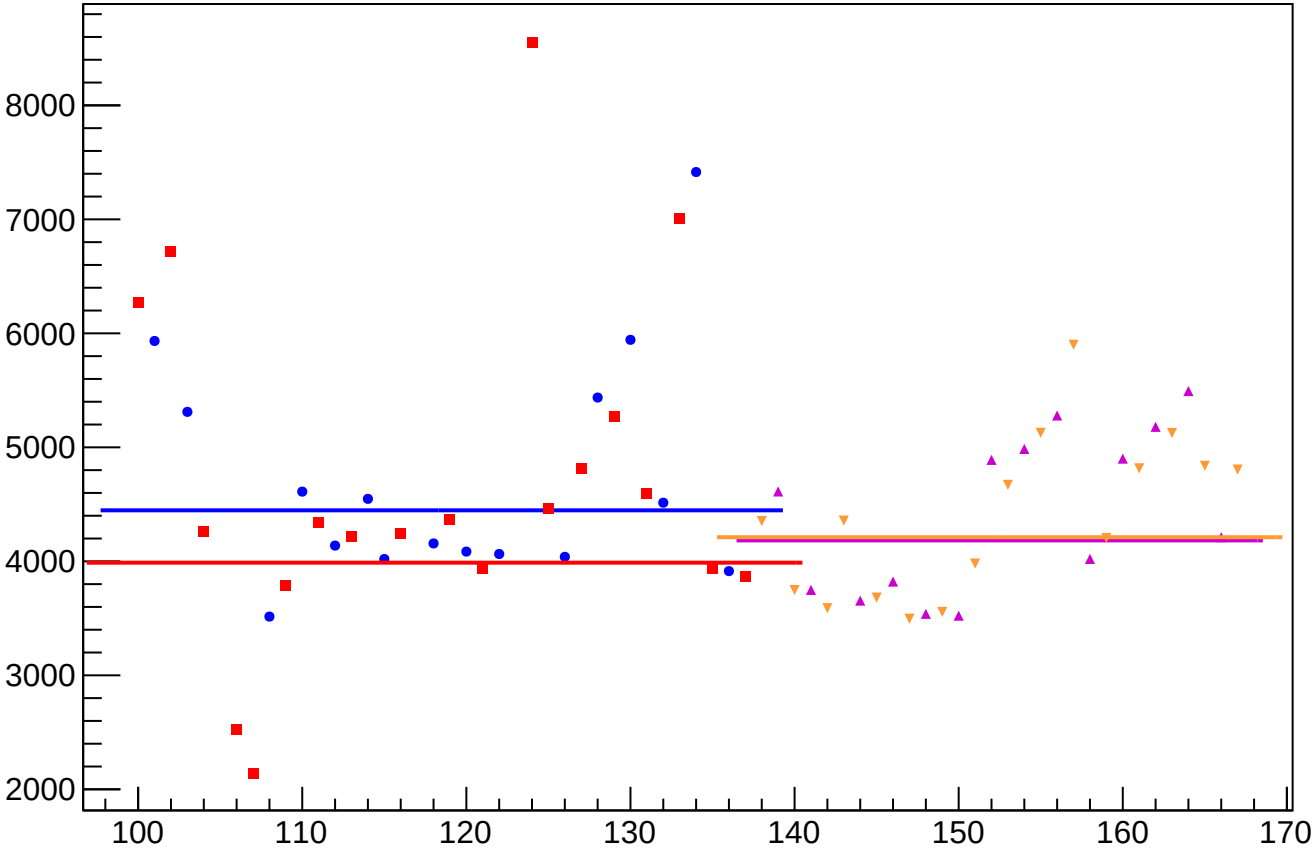
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -566.816+/-1003.048 χ^2/NDF:30.7/29

Out: 399.792+/-950.206 χ^2/NDF:26.1/34

All: -57.381+/-689.822 χ^2/NDF: 57.3/64

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4211.413+/-0.851 χ^2/NDF:545265.6/15

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4183.487+/-0.883 χ^2/NDF:527777.0/13

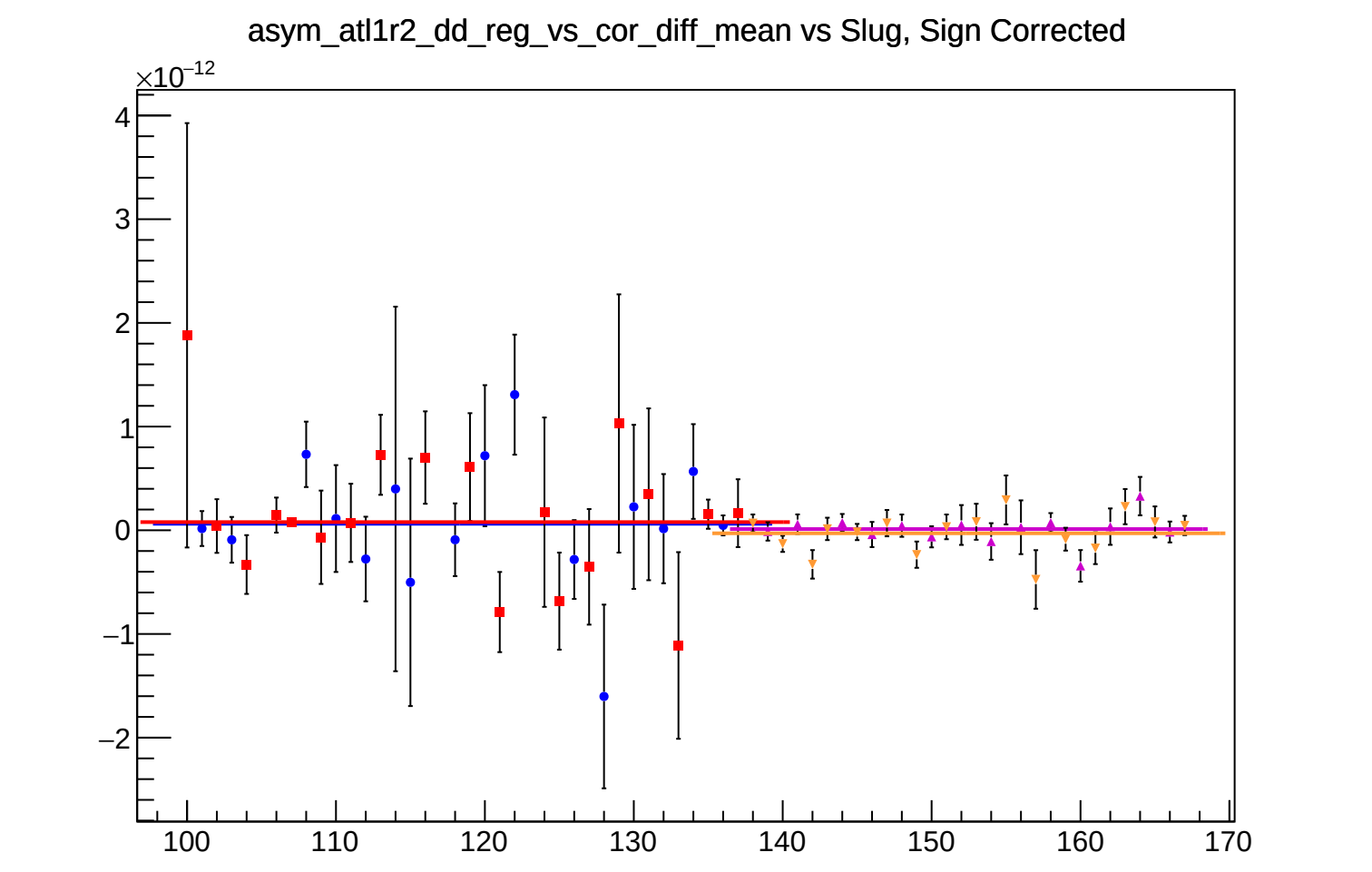
Left: 4197.954+/-0.613 χ^2/NDF: 1073560.9/29

Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4277.040+/-0.709 χ^2/NDF:1017714.3/29

Out: 4126.159+/-0.669 χ^2/NDF:1715439.5/34

All: 4197.236+/-0.487 χ^2/NDF: 2757089.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/13

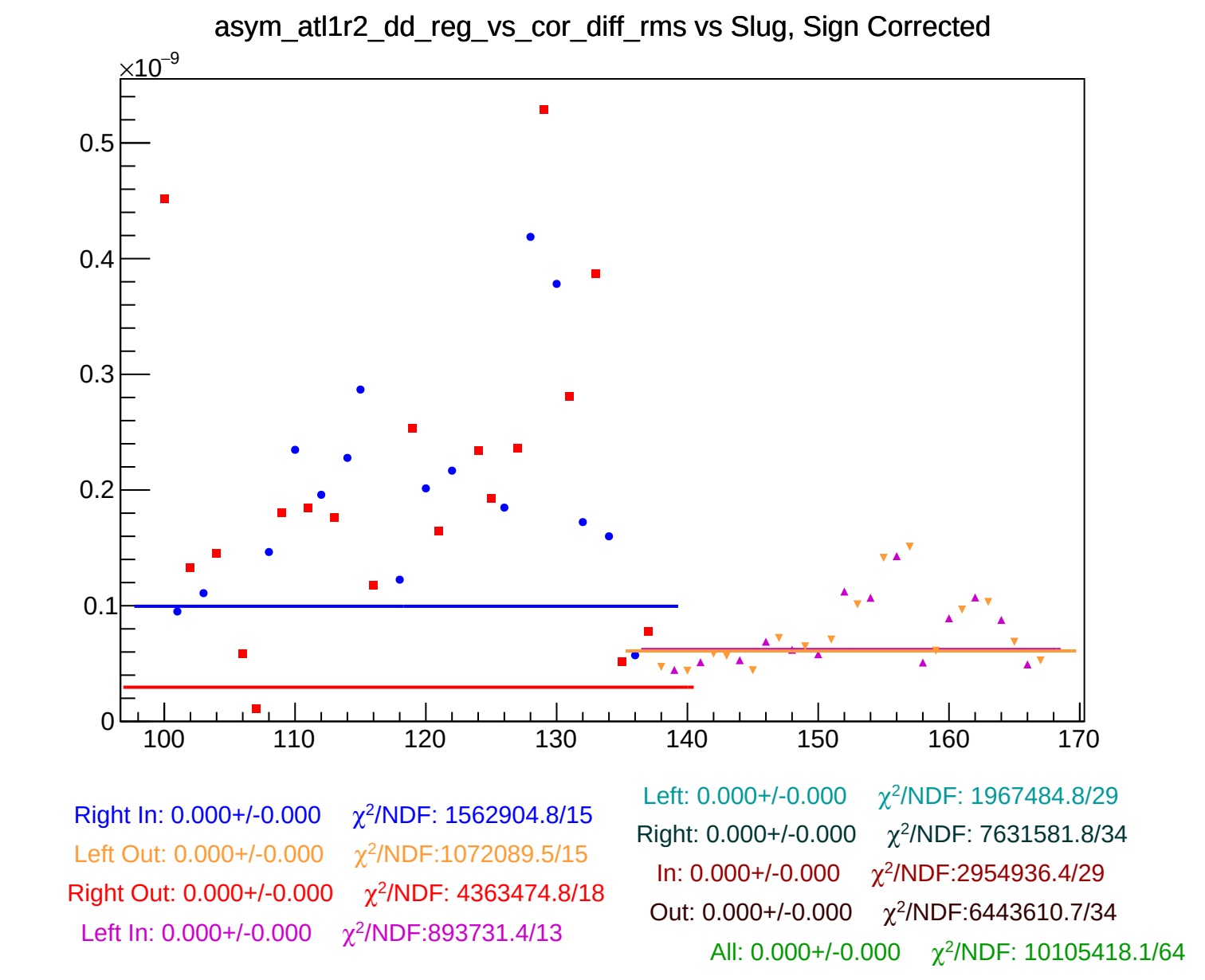
Left: -0.000+/-0.000 χ^2/NDF: 32.8/29

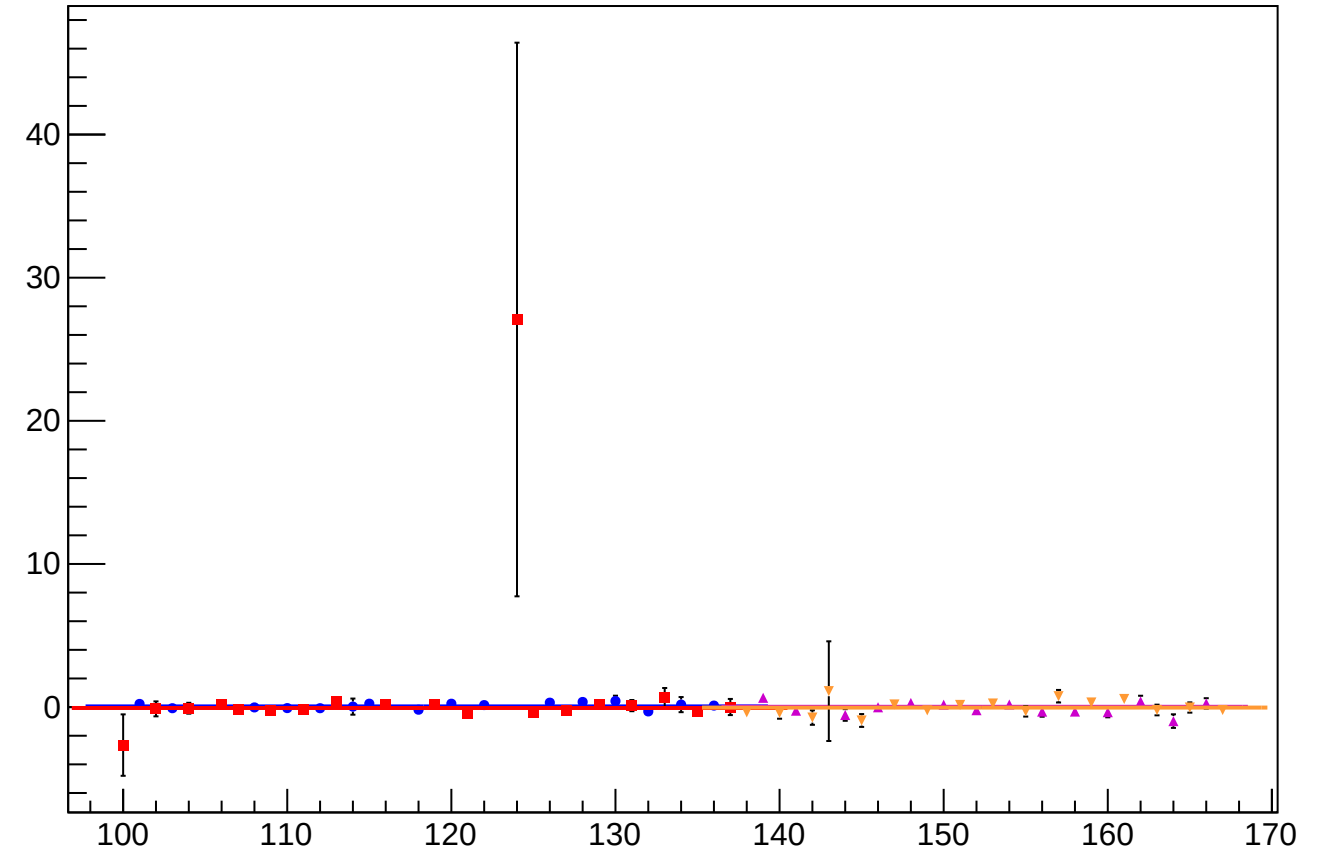
Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:29.0/29

Out: 0.000+/-0.000 χ^2/NDF:46.8/34

All: 0.000+/-0.000 χ^2/NDF: 75.9/64


asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1562904.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1072089.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 4363474.8/18
Left In: 0.000+/-0.000 χ²/NDF:893731.4/13
Left: 0.000+/-0.000 χ²/NDF: 1967484.8/29
Right: 0.000+/-0.000 χ²/NDF: 7631581.8/34
In: 0.000+/-0.000 χ²/NDF:2954936.4/29
Out: 0.000+/-0.000 χ²/NDF:6443610.7/34
All: 0.000+/-0.000 χ²/NDF: 10105418.1/64



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.020+/-0.086 χ^2/NDF:20.4/13

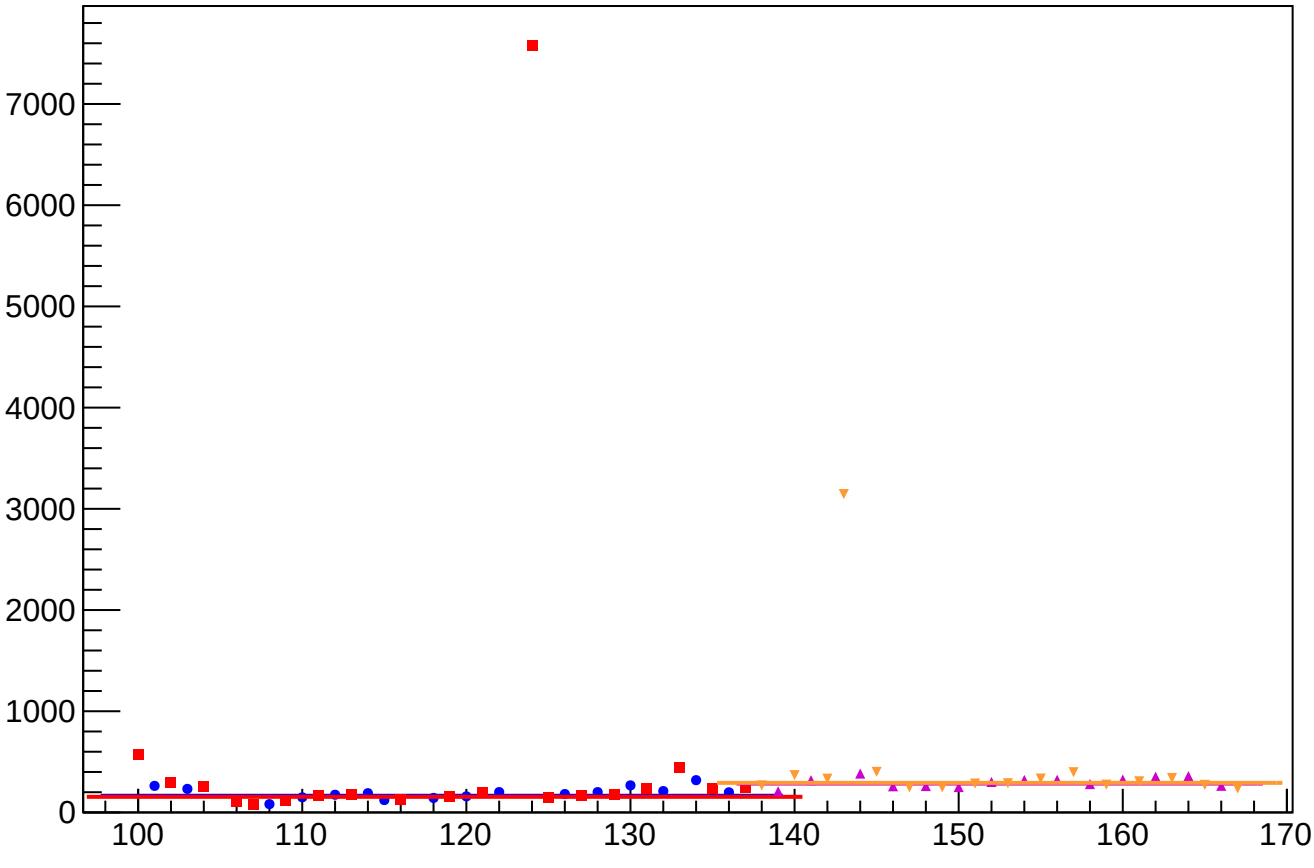
Left: -0.006+/-0.061 χ^2/NDF: 39.7/29

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.038+/-0.053 χ^2/NDF:28.1/29

Out: -0.051+/-0.052 χ^2/NDF:37.6/34

All: -0.008+/-0.037 χ^2/NDF: 67.2/64



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 292.607+/-0.061 χ^2/NDF:1939410.0/15

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 285.521+/-0.061 χ^2/NDF:593696.7/13

Left: 289.053+/-0.043 χ^2/NDF: 2539834.1/29

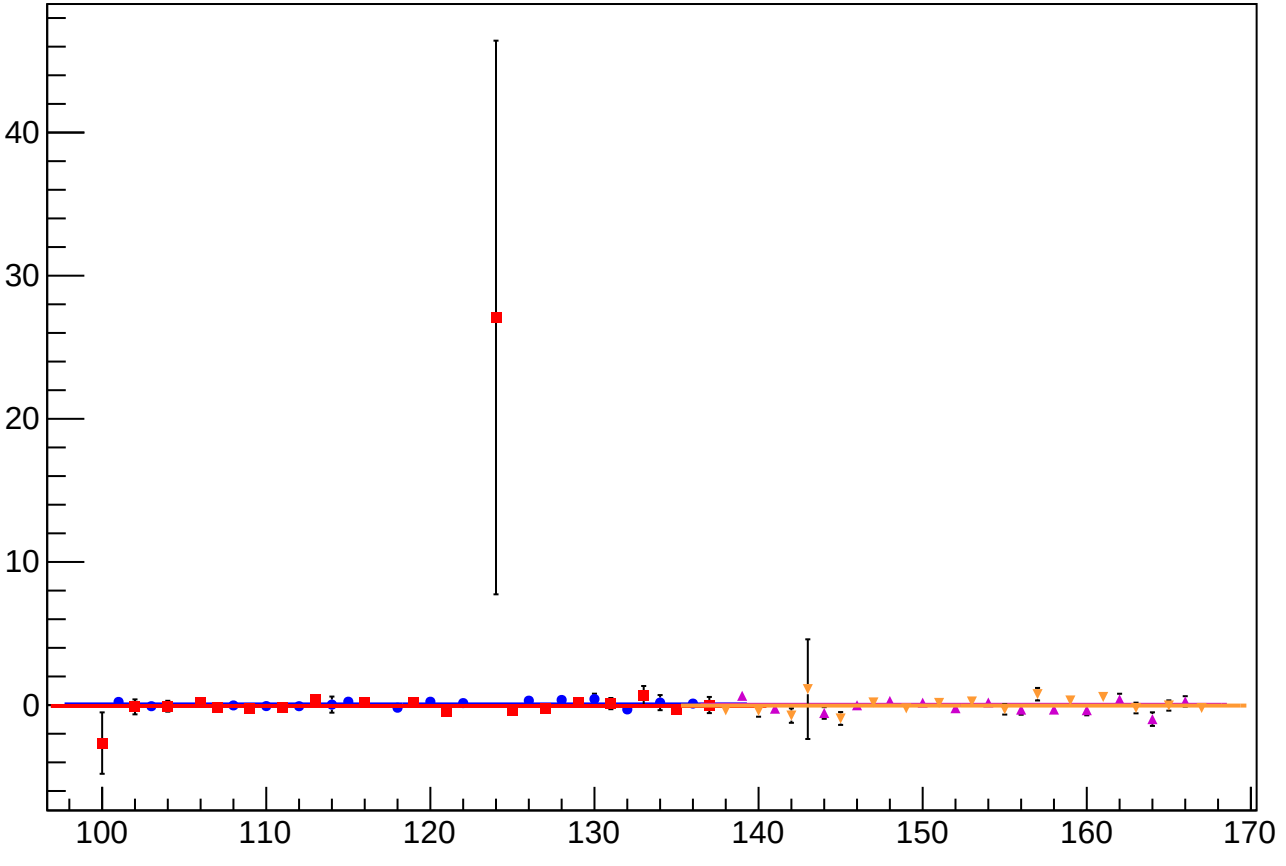
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 209.763+/-0.037 χ^2/NDF:4525531.5/29

Out: 203.655+/-0.037 χ^2/NDF:7144268.5/34

All: 206.653+/-0.026 χ^2/NDF: 11683520.8/64

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.020+/-0.086 χ^2/NDF:20.4/13

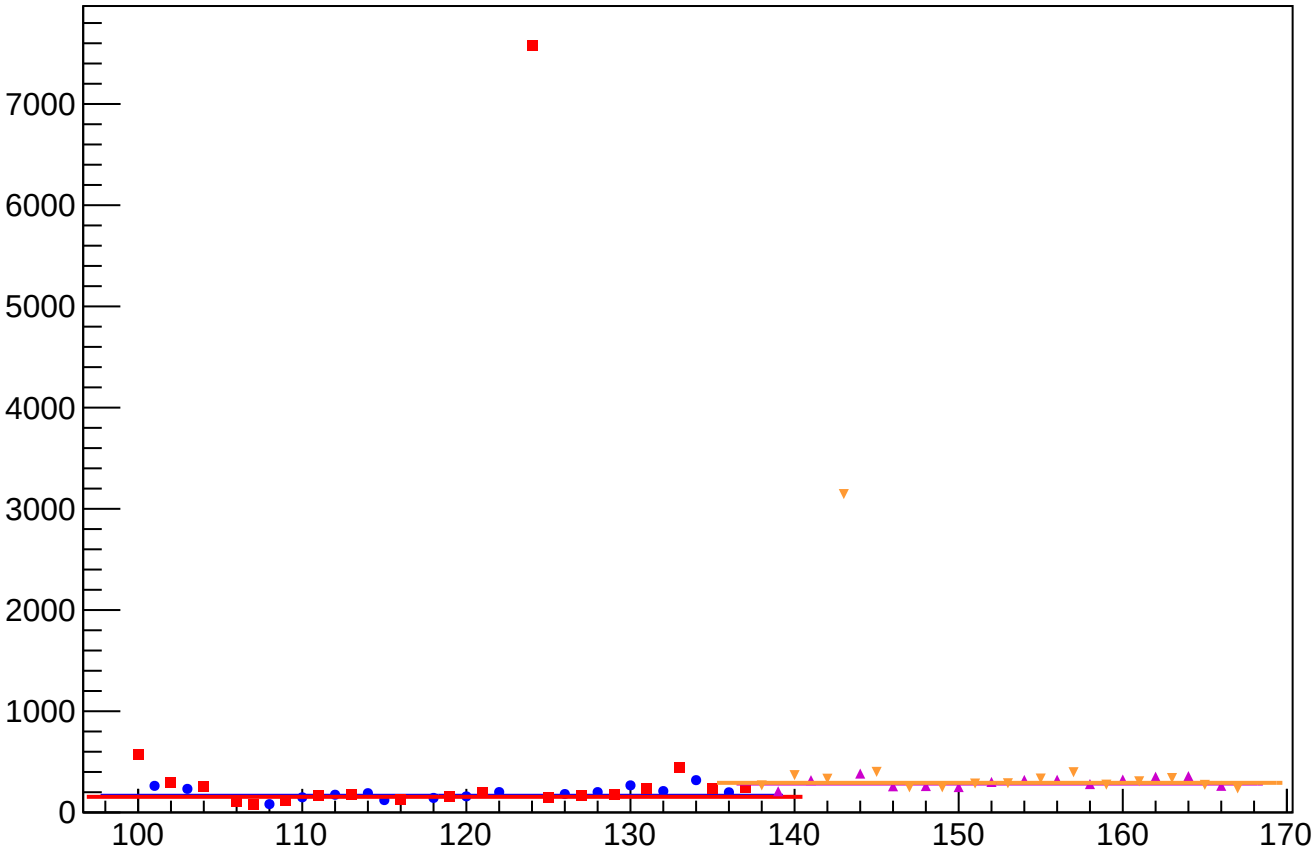
Left: -0.006+/-0.061 χ^2/NDF: 39.7/29

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.038+/-0.053 χ^2/NDF:28.1/29

Out: -0.051+/-0.052 χ^2/NDF:37.6/34

All: -0.008+/-0.037 χ^2/NDF: 67.2/64



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 292.607+/-0.061 χ^2/NDF:1939410.0/15

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 285.521+/-0.061 χ^2/NDF:593696.7/13

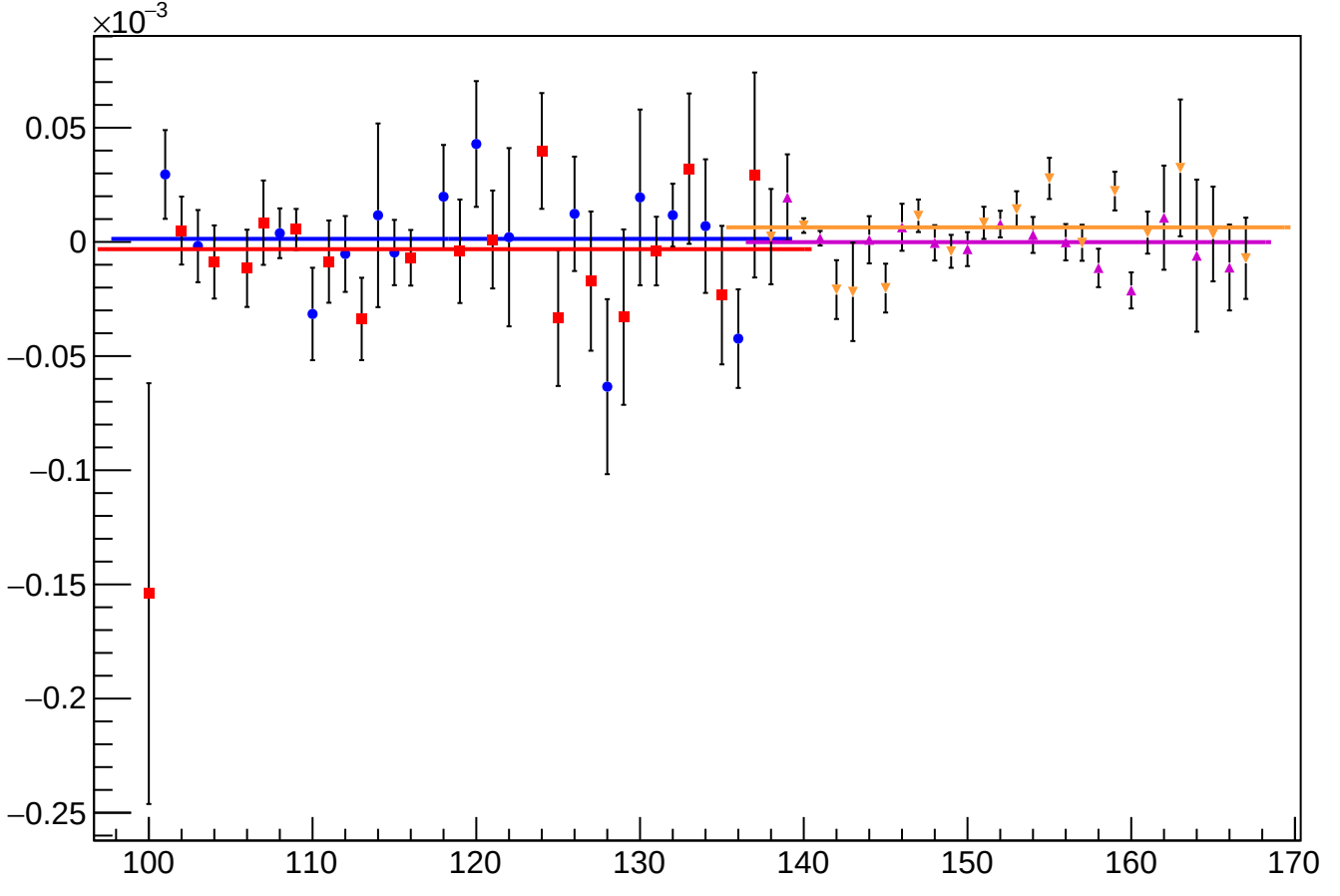
Left: 289.053+/-0.043 χ^2/NDF: 2539834.1/29

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 209.763+/-0.037 χ^2/NDF:4525531.5/29

Out: 203.655+/-0.037 χ^2/NDF:7144268.5/34

All: 206.653+/-0.026 χ^2/NDF: 11683520.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/13

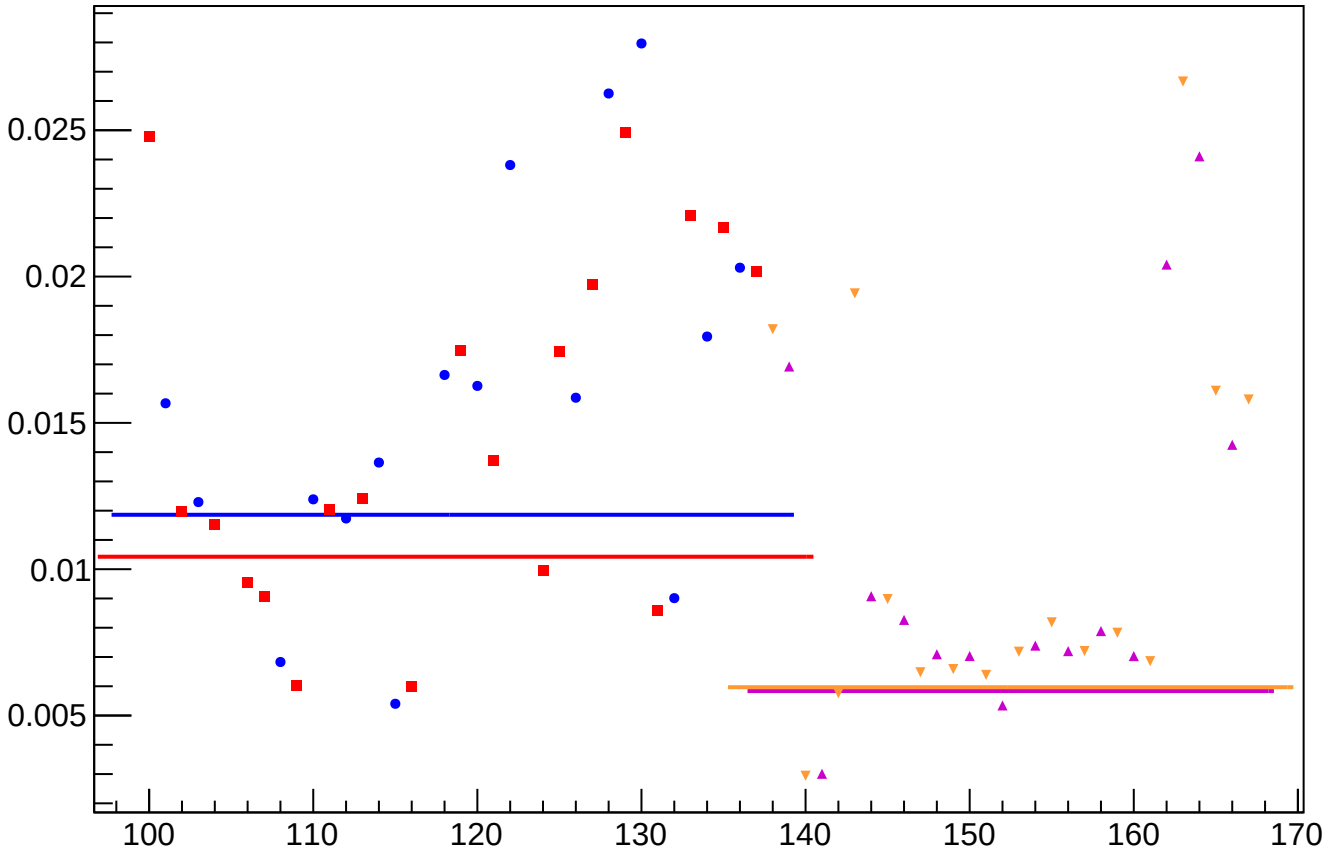
Left: 0.000+/-0.000 χ^2/NDF: 46.3/29

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:29.7/29

Out: 0.000+/-0.000 χ^2/NDF:46.2/34

All: 0.000+/-0.000 χ^2/NDF: 79.0/64



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:5806633.6/15

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:4791653.7/13

Left: 0.006+/-0.000 χ^2/NDF: 10602619.9/29

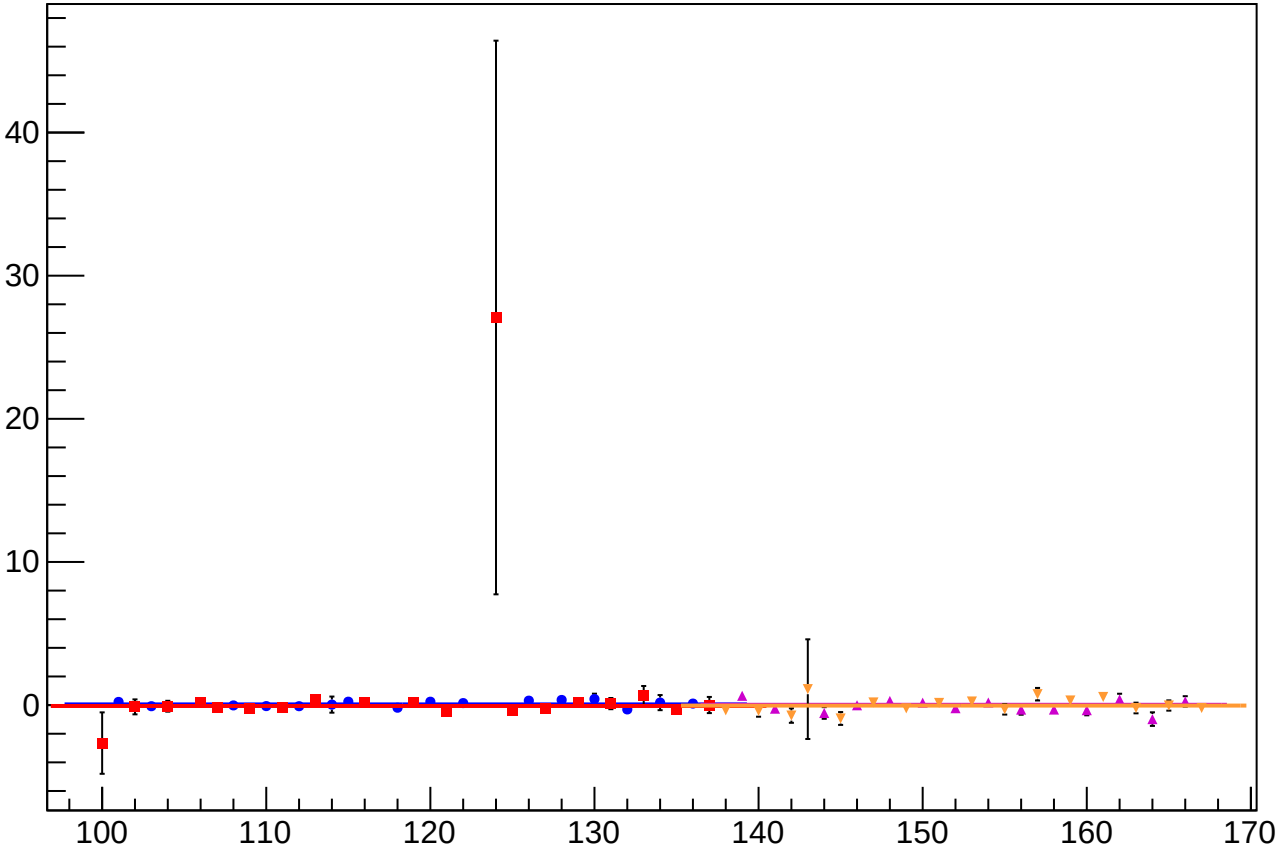
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.007+/-0.000 χ^2/NDF:9814767.4/29

Out: 0.007+/-0.000 χ^2/NDF:9975363.8/34

All: 0.007+/-0.000 χ^2/NDF: 19791720.7/64

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.020+/-0.086 χ^2/NDF:20.4/13

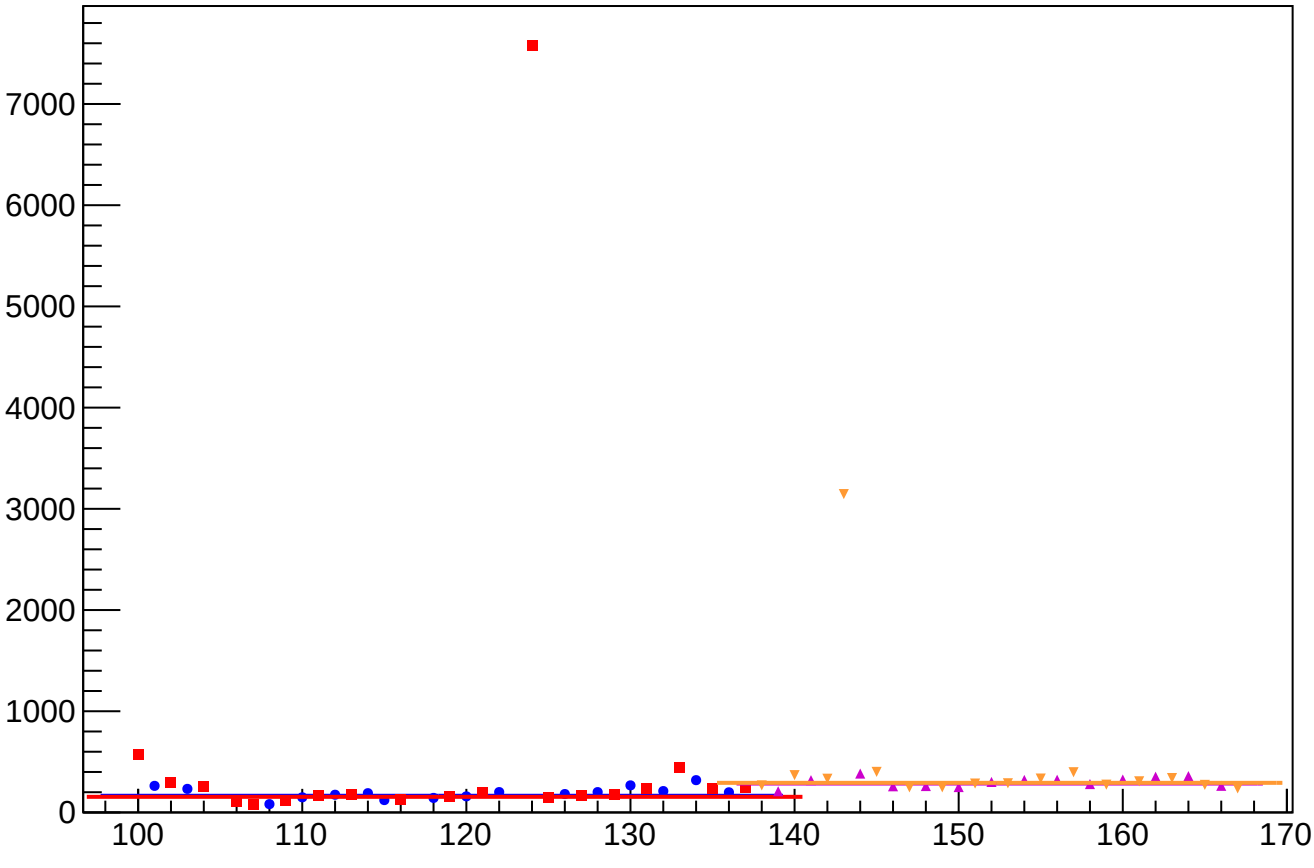
Left: -0.006+/-0.061 χ^2/NDF: 39.7/29

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.038+/-0.053 χ^2/NDF:28.1/29

Out: -0.051+/-0.052 χ^2/NDF:37.6/34

All: -0.008+/-0.037 χ^2/NDF: 67.2/64



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 292.612+/-0.061 χ^2/NDF:1939395.4/15

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 285.525+/-0.061 χ^2/NDF:593690.9/13

Left: 289.057+/-0.043 χ^2/NDF: 2539814.6/29

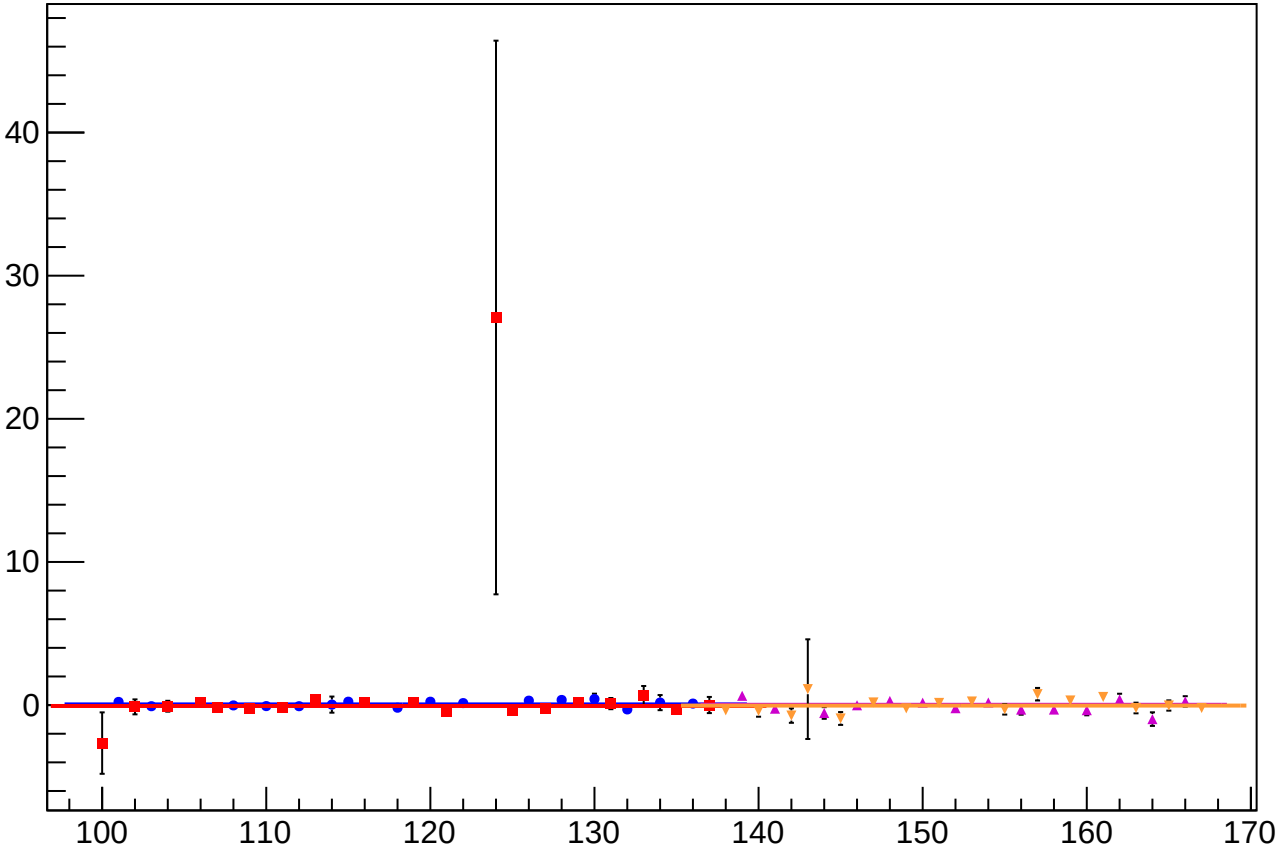
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 209.764+/-0.037 χ^2/NDF:4525630.2/29

Out: 203.656+/-0.037 χ^2/NDF:7144443.5/34

All: 206.654+/-0.026 χ^2/NDF: 11683794.2/64

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.020+/-0.086 χ^2/NDF:20.4/13

Left: -0.006+/-0.061 χ^2/NDF: 39.7/29

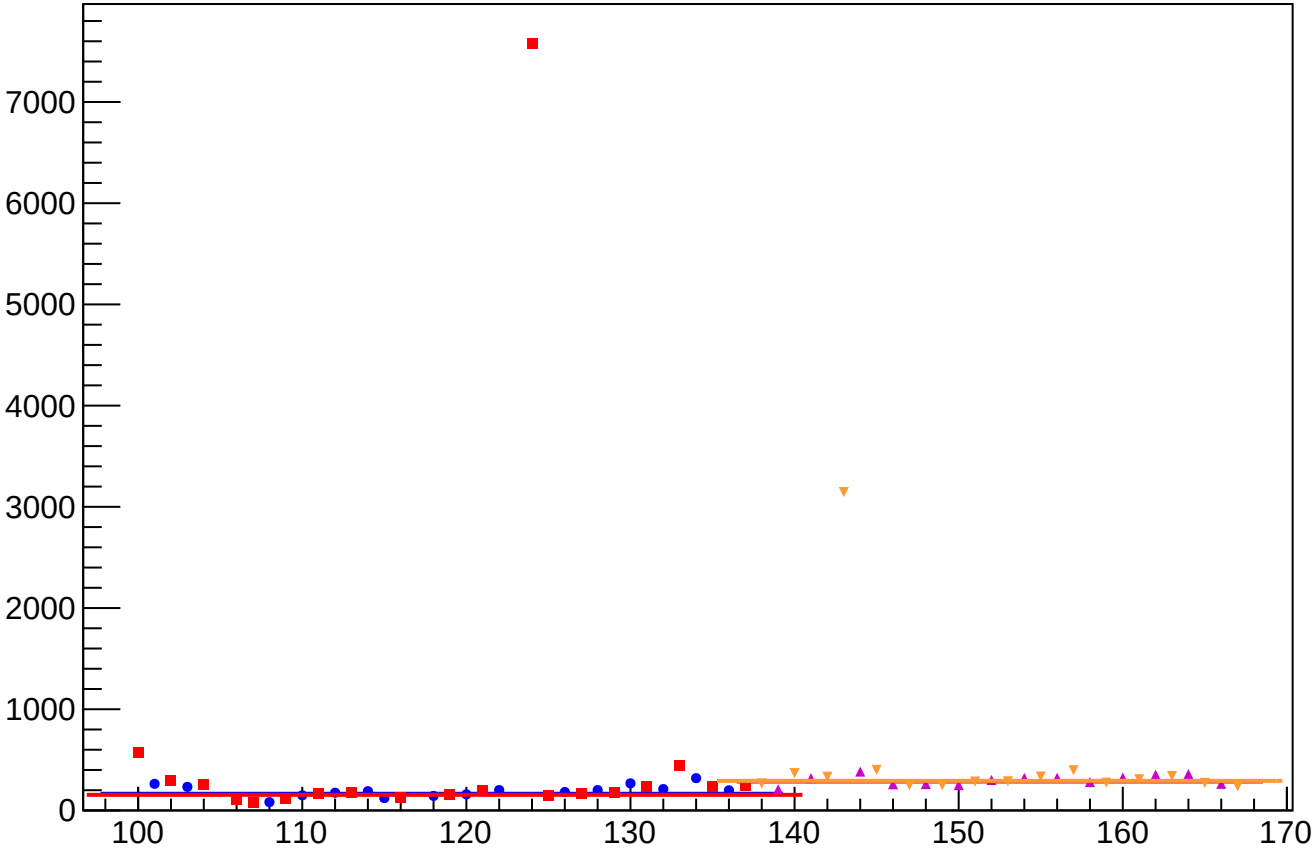
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.038+/-0.053 χ^2/NDF:28.1/29

Out: -0.051+/-0.052 χ^2/NDF:37.6/34

All: -0.008+/-0.037 χ^2/NDF: 67.2/64

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 292.612+/-0.061 χ^2/NDF:1939395.4/15

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 285.525+/-0.061 χ^2/NDF:593690.9/13

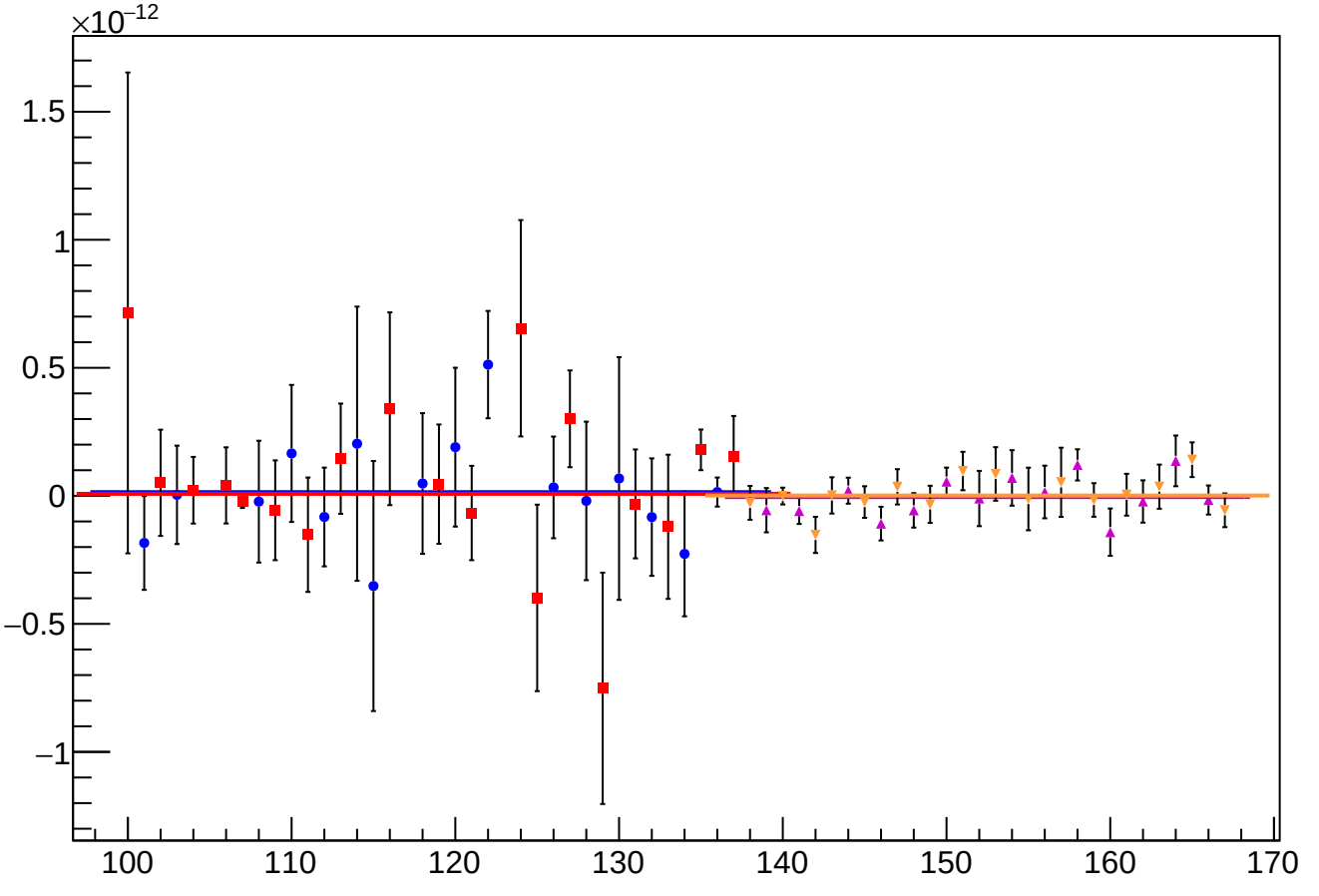
Left: 289.057+/-0.043 χ^2/NDF: 2539814.6/29

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 209.764+/-0.037 χ^2/NDF:4525630.2/29

Out: 203.656+/-0.037 χ^2/NDF:7144443.5/34

All: 206.654+/-0.026 χ^2/NDF: 11683794.2/64



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/13

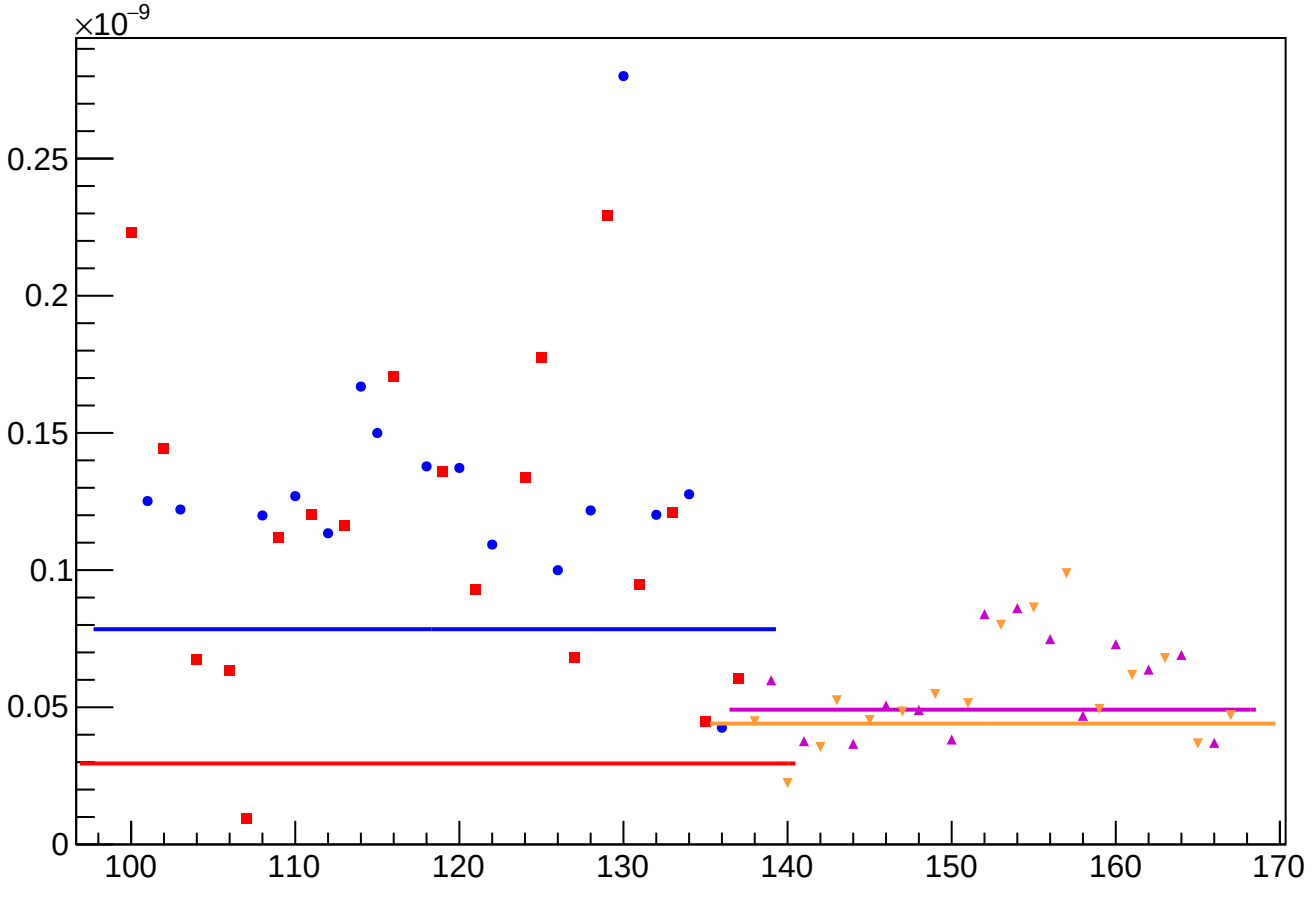
Left: -0.000+/-0.000 χ^2/NDF: 28.4/29

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:24.9/29

Out: 0.000+/-0.000 χ^2/NDF:31.7/34

All: 0.000+/-0.000 χ^2/NDF: 56.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2099011.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1271765.3/13

Left: 0.000+/-0.000 χ^2/NDF: 3453143.6/29

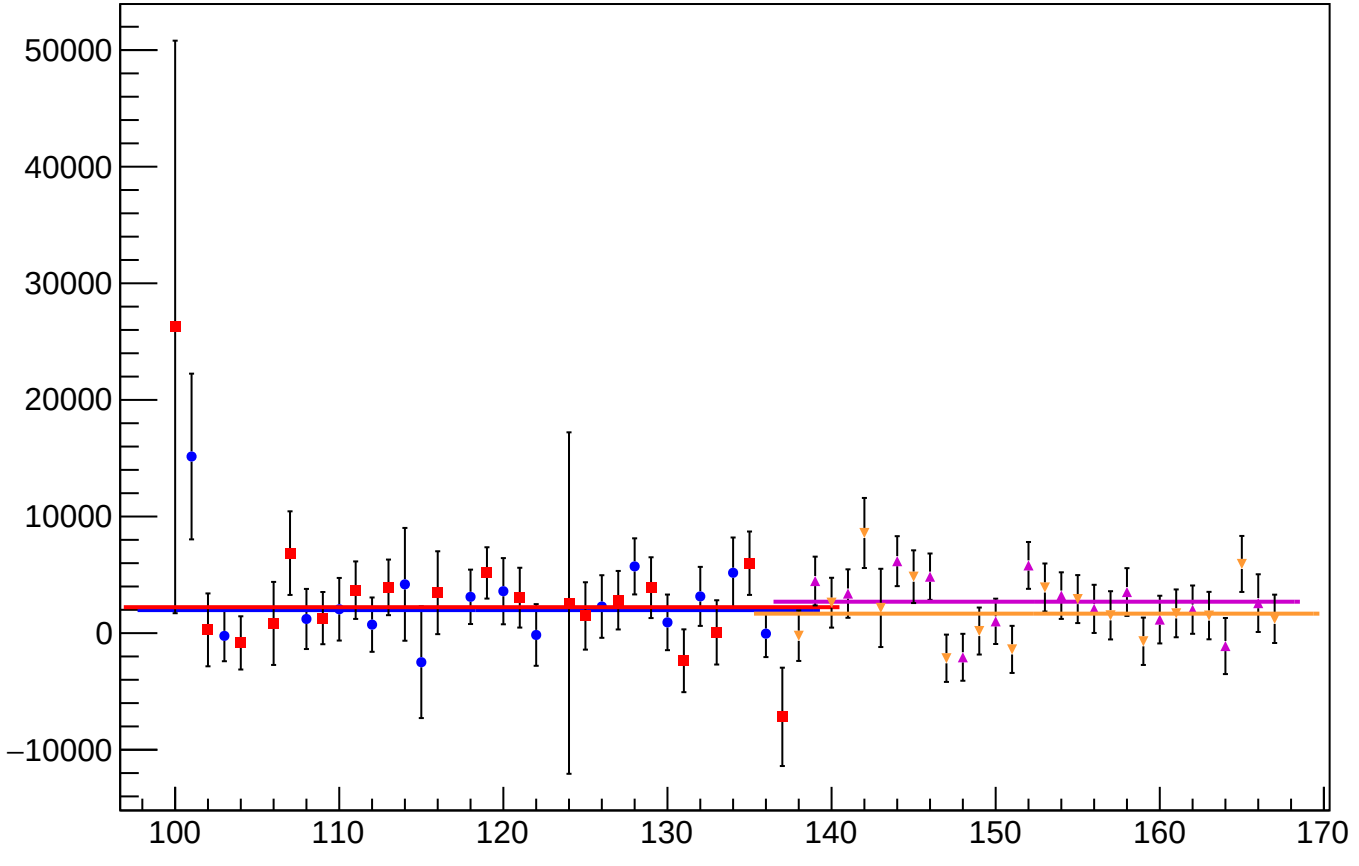
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4177957.0/29

Out: 0.000+/-0.000 χ^2/NDF:8111752.3/34

All: 0.000+/-0.000 χ^2/NDF: 13222034.7/64

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1670.957+/-542.544 χ^2/NDF:20.8/15

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2695.045+/-557.076 χ^2/NDF:16.9/13

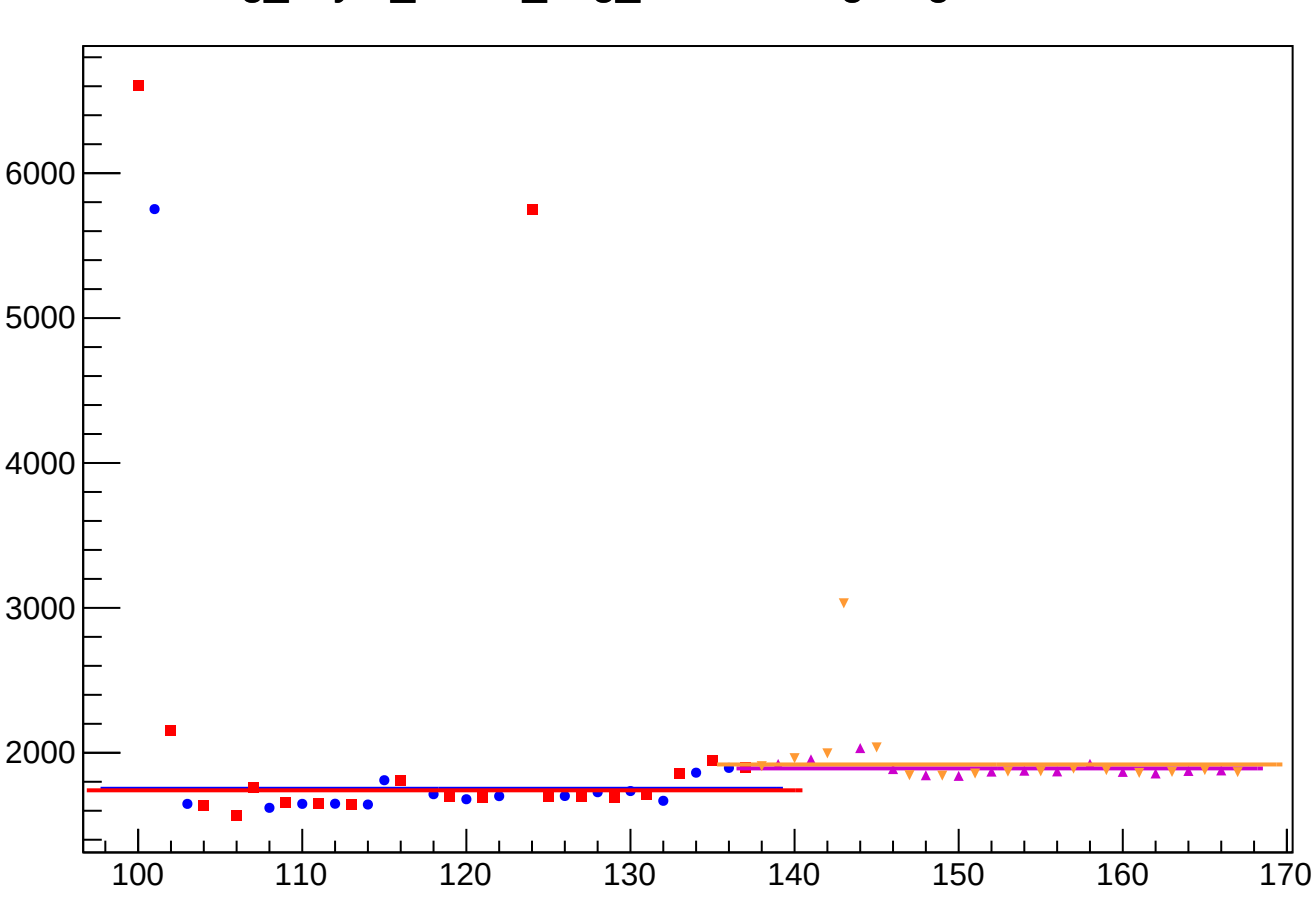
Left: 2169.469+/-388.672 χ^2/NDF: 39.4/29

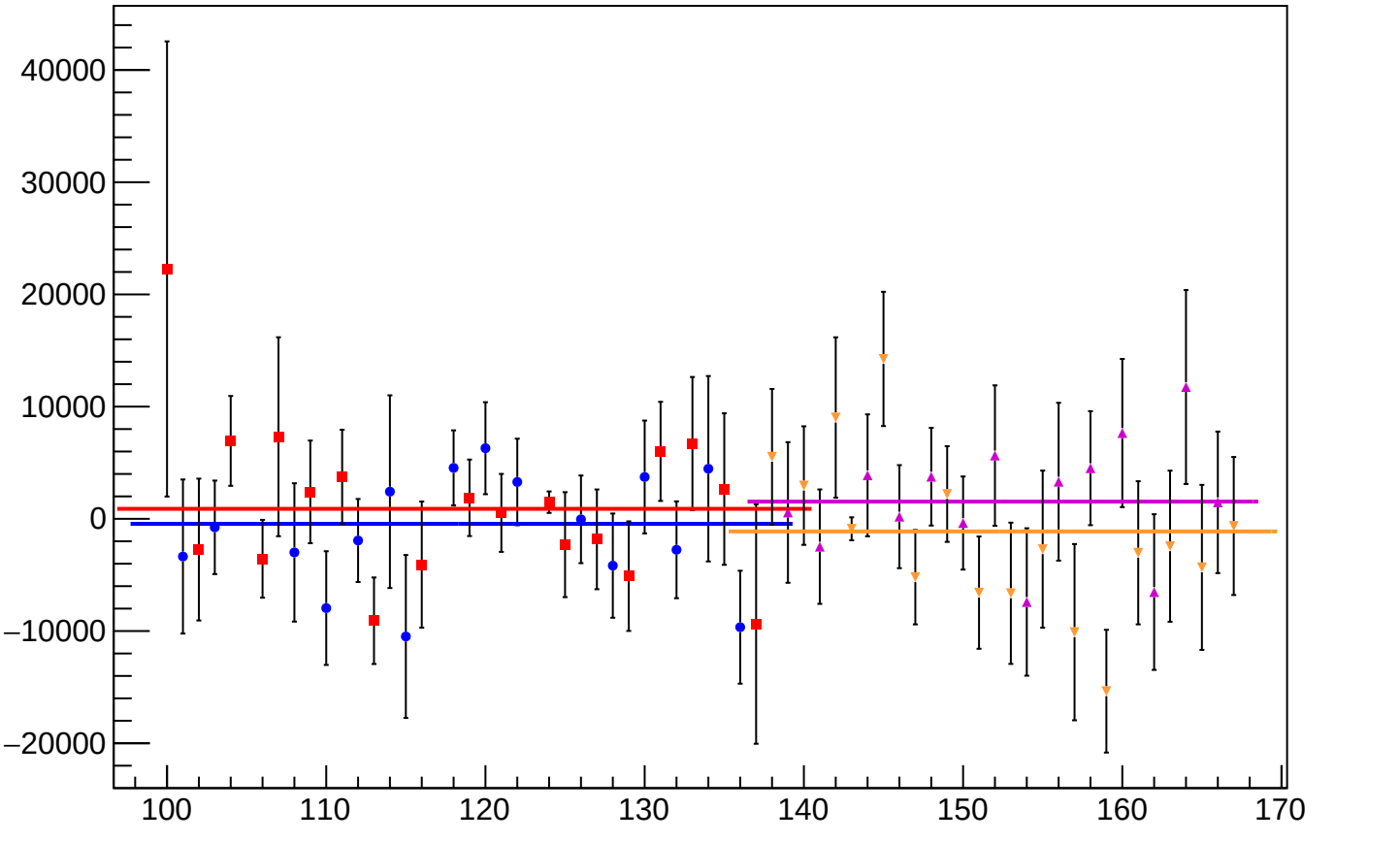
Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

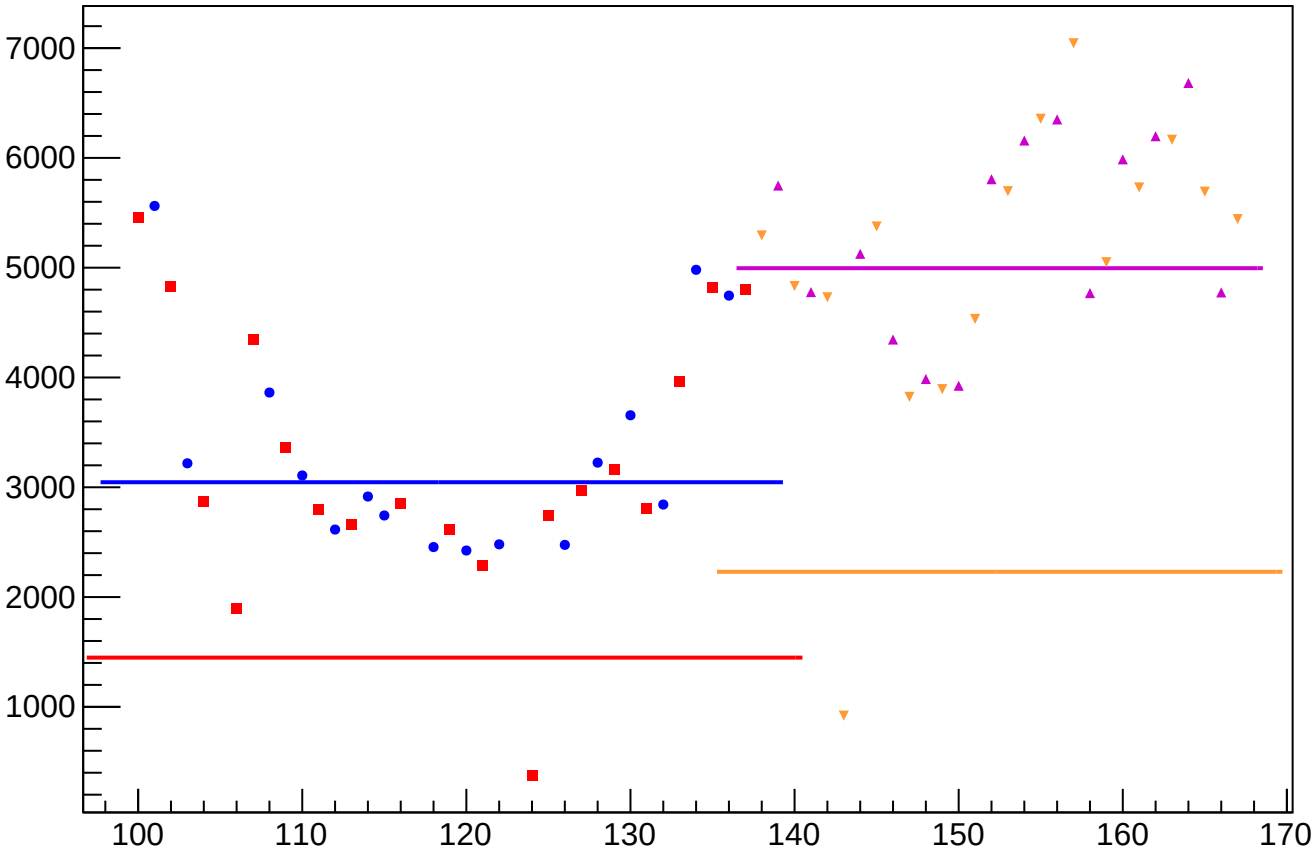
In: 2400.070+/-427.752 χ^2/NDF:29.7/29

Out: 1896.356+/-418.157 χ^2/NDF:40.2/34

All: 2142.500+/-299.016 χ^2/NDF: 70.6/64


reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1751.607+/-0.472 χ²/NDF: 670651.4/15
Left Out: 1919.495+/-0.384 χ²/NDF:242836.2/15
Right Out: 1741.052+/-0.461 χ²/NDF: 304655.0/18
Left In: 1892.326+/-0.394 χ²/NDF:15343.1/13
Left: 1906.270+/-0.275 χ²/NDF: 260620.7/29
Right: 1746.199+/-0.330 χ²/NDF: 975562.4/34
In: 1834.575+/-0.302 χ²/NDF:738369.0/29
Out: 1846.417+/-0.295 χ²/NDF:636094.5/34
All: 1840.648+/-0.211 χ²/NDF: 1375249.6/64


asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -444.273+/-1174.448 χ²/NDF: 15.9/15
Left Out: -1122.367+/-843.437 χ²/NDF:22.4/15
Right Out: 892.237+/-725.737 χ²/NDF: 20.1/18
Left In: 1534.502+/-1497.204 χ²/NDF:7.7/13
Left: -482.321+/-734.855 χ²/NDF: 32.5/29
Right: 522.917+/-617.375 χ²/NDF: 36.9/34
In: 309.502+/-924.067 χ²/NDF:24.7/29
Out: 35.201+/-550.120 χ²/NDF:45.8/34
All: 106.978+/-472.696 χ²/NDF: 70.6/64



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2230.343+/-0.596 χ^2/NDF:10953391.0/15

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4995.431+/-1.059 χ^2/NDF:672813.6/13

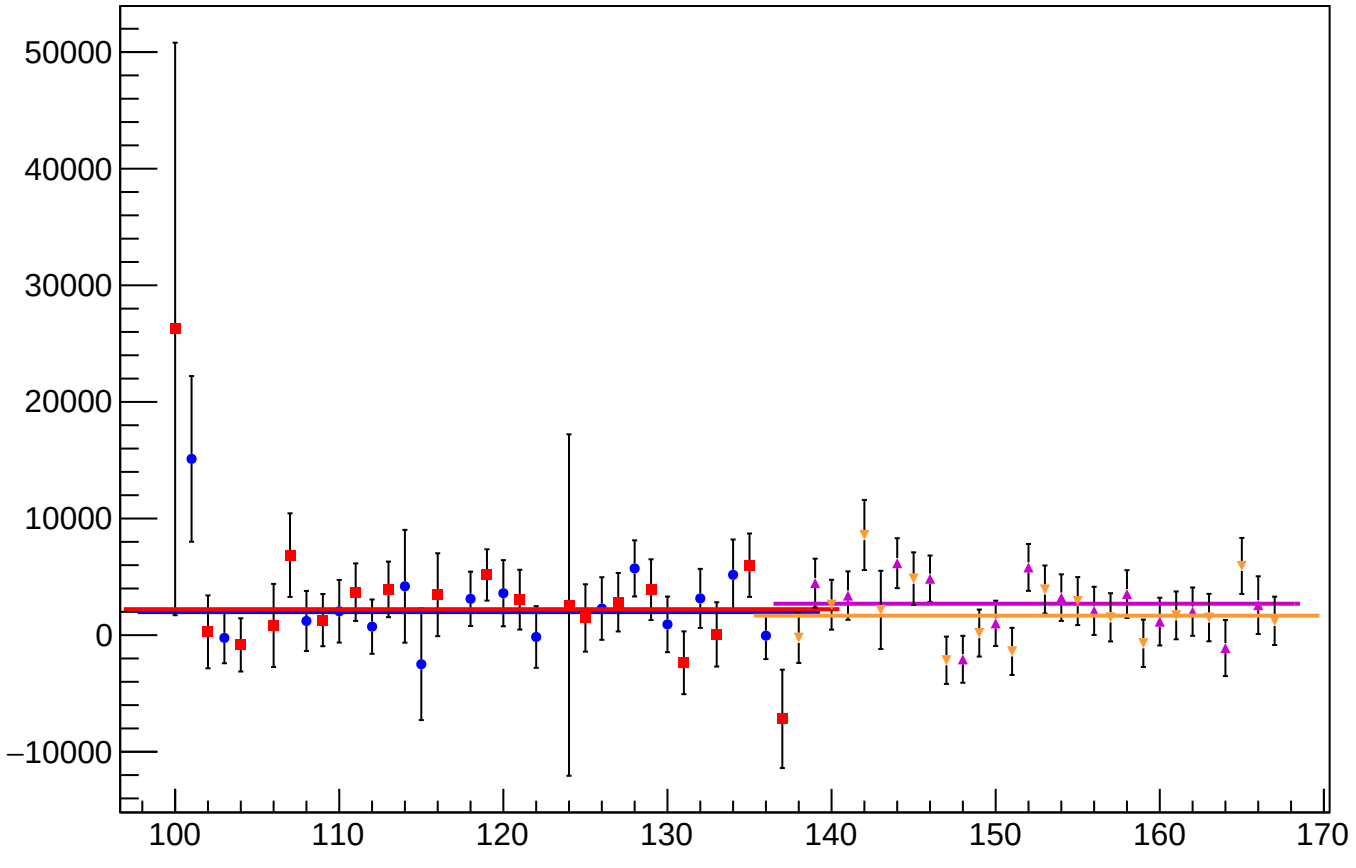
Left: 2896.459+/-0.520 χ^2/NDF: 16804463.6/29

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3788.546+/-0.653 χ^2/NDF:3679429.9/29

Out: 1781.116+/-0.389 χ^2/NDF:18727729.7/34

All: 2306.404+/-0.334 χ^2/NDF: 29375876.8/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1670.989+/-542.544 χ^2/NDF:20.8/15

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2695.149+/-557.076 χ^2/NDF:16.9/13

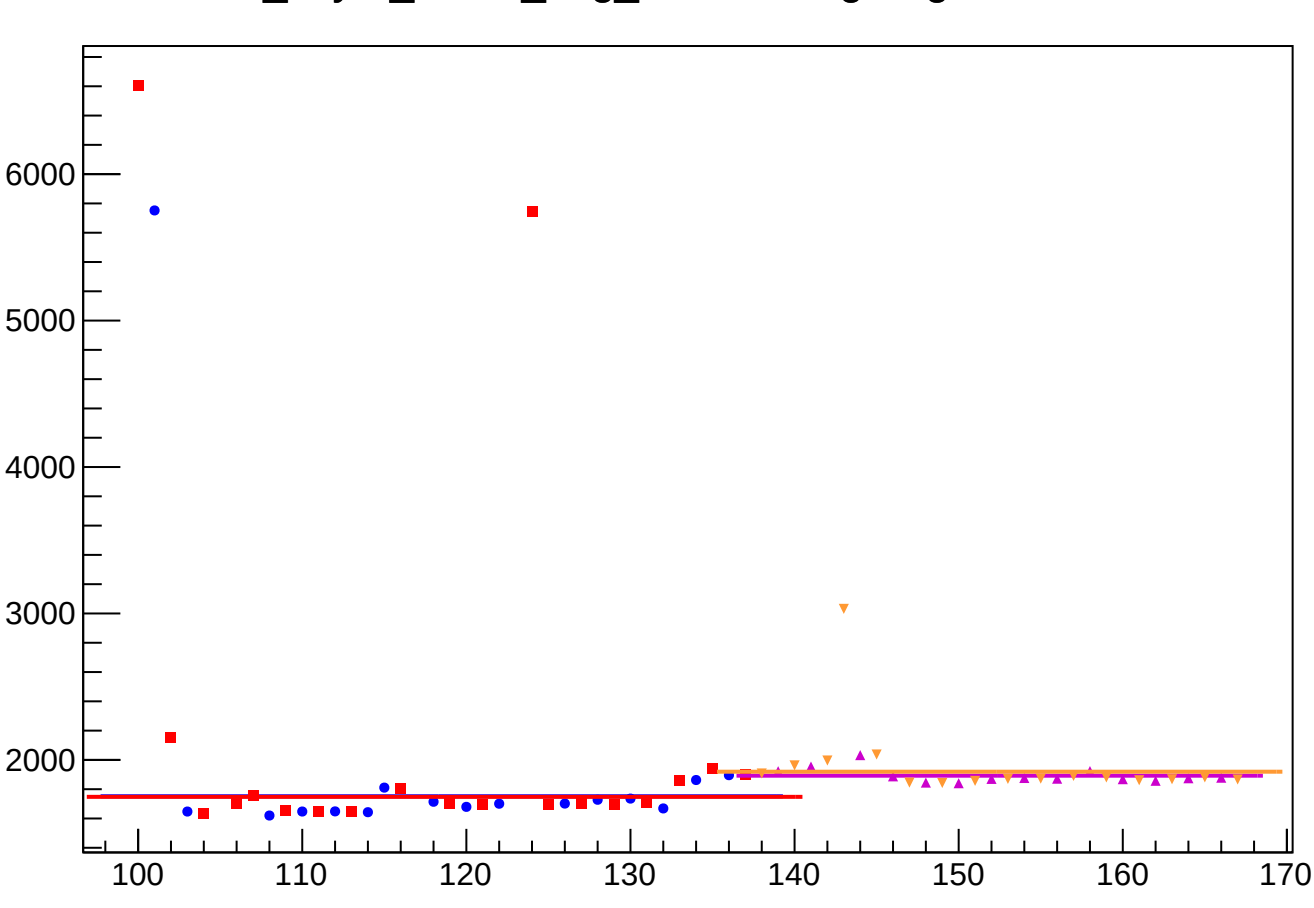
Left: 2169.536+/-388.672 χ^2/NDF: 39.4/29

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2399.987+/-427.752 χ^2/NDF:29.7/29

Out: 1896.414+/-418.157 χ^2/NDF:40.2/34

All: 2142.489+/-299.016 χ^2/NDF: 70.6/64



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1919.495+/-0.384 χ^2/NDF:242836.2/15

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1892.326+/-0.394 χ^2/NDF:15343.1/13

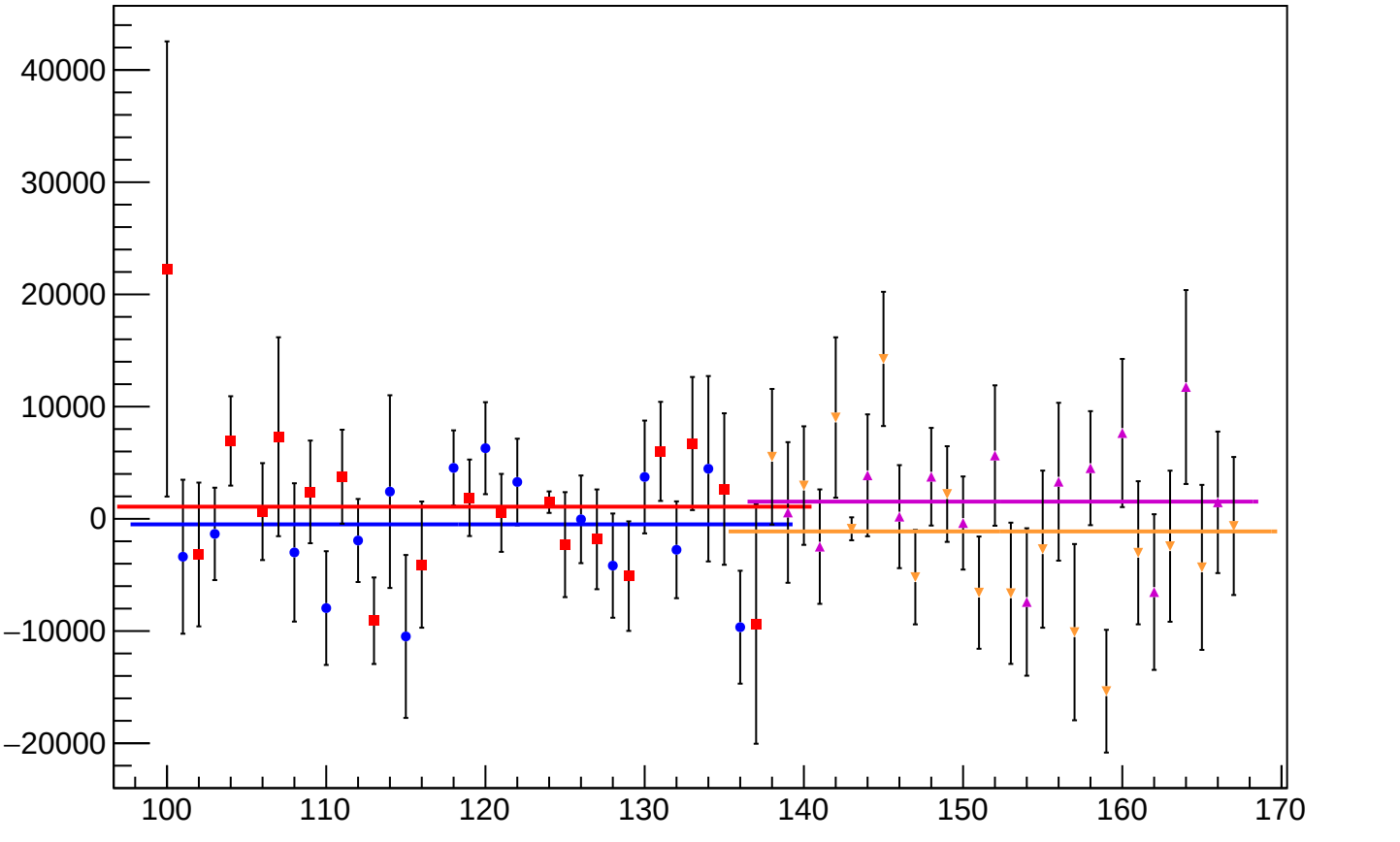
Left: 1906.270+/-0.275 χ^2/NDF: 260620.7/29

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1834.575+/-0.302 χ^2/NDF:738369.4/29

Out: 1849.476+/-0.295 χ^2/NDF:622444.3/34

All: 1842.206+/-0.211 χ^2/NDF: 1362056.7/64



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1122.170+/-843.413 χ^2/NDF:22.4/15

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1534.579+/-1497.203 χ^2/NDF:7.7/13

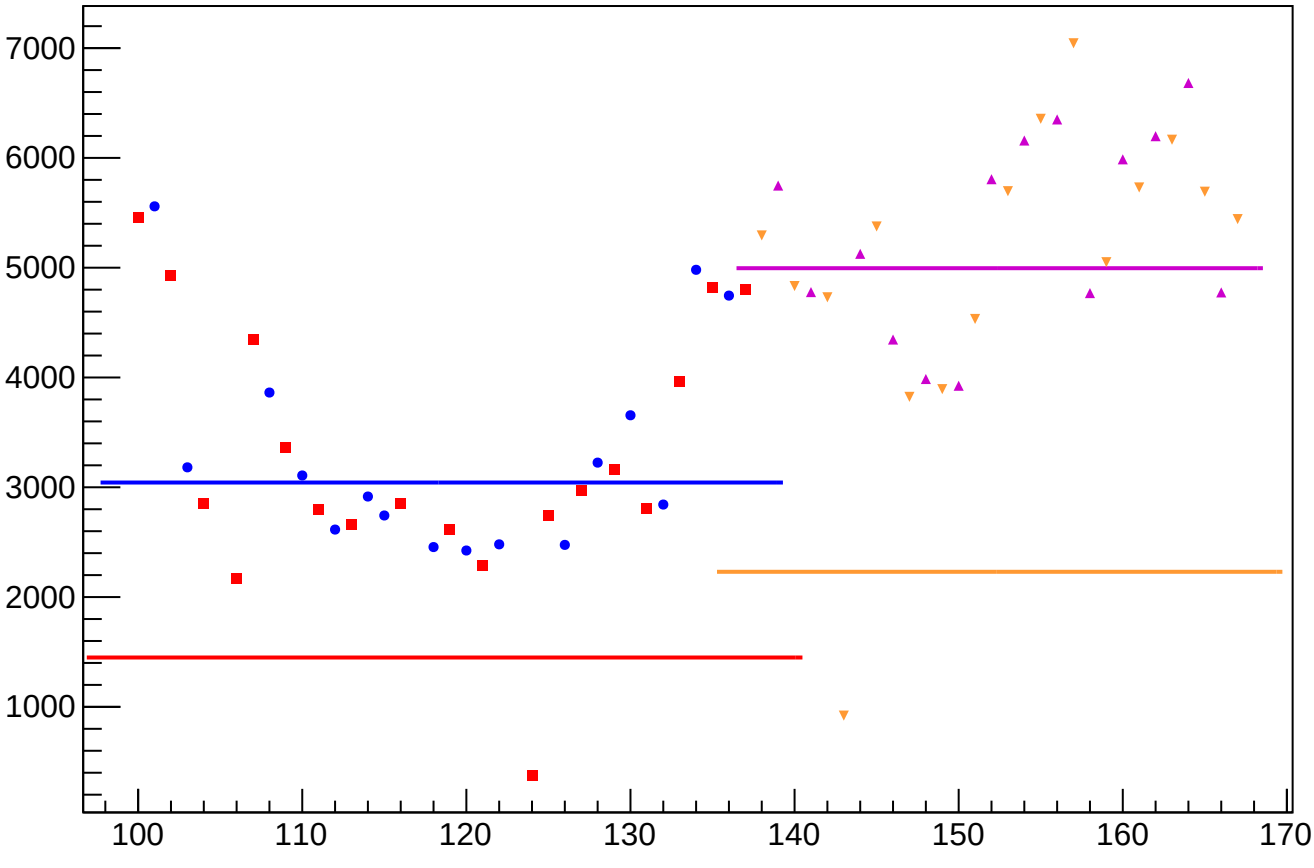
Left: -482.180+/-734.839 χ^2/NDF: 32.5/29

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 278.434+/-923.478 χ^2/NDF:24.8/29

Out: 135.204+/-552.593 χ^2/NDF:44.8/34

All: 172.968+/-474.182 χ^2/NDF: 69.6/64



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2230.244+/-0.596 χ^2/NDF:10953844.5/15

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4995.428+/-1.059 χ^2/NDF:672813.3/13

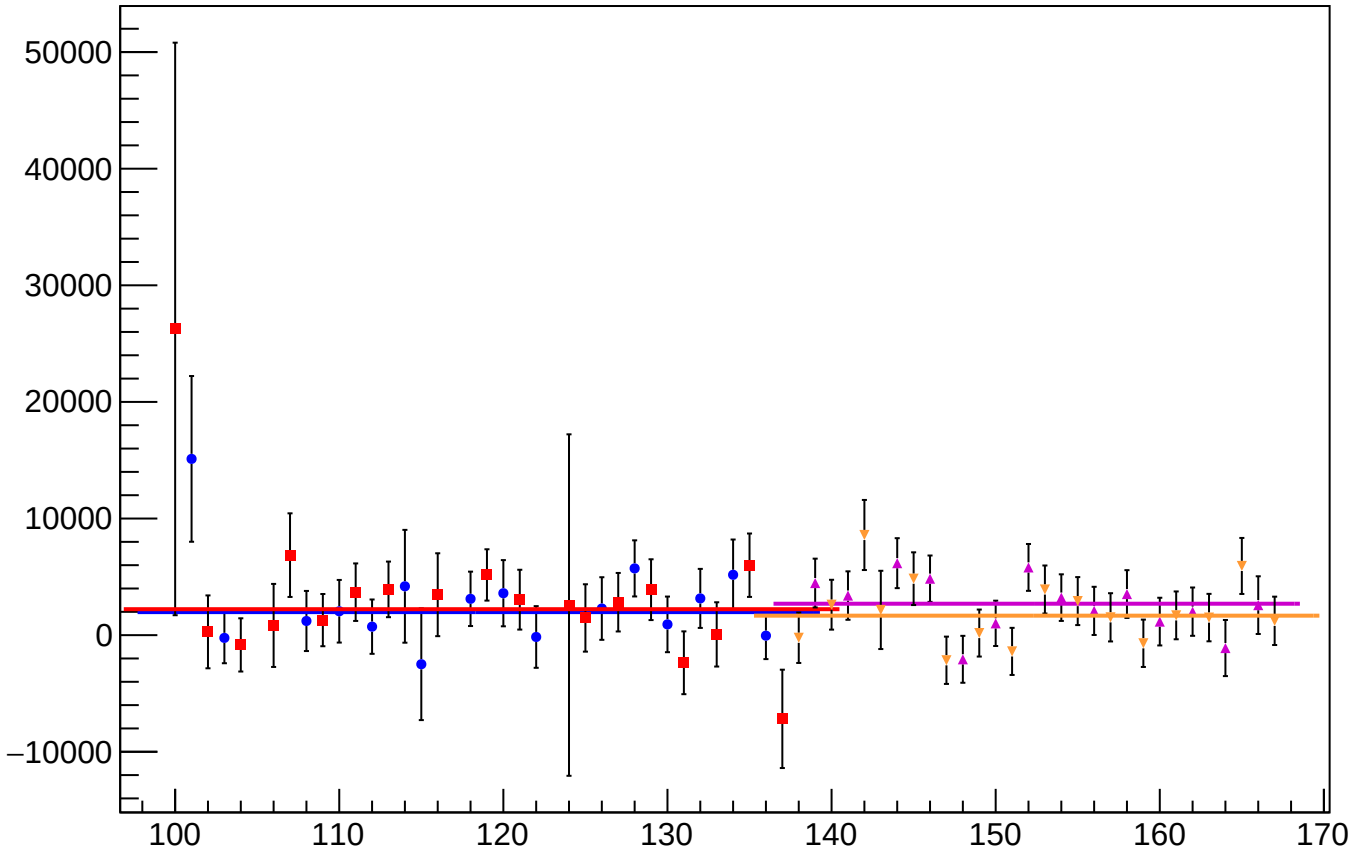
Left: 2896.356+/-0.520 χ^2/NDF: 16805352.2/29

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3785.959+/-0.653 χ^2/NDF:3685056.9/29

Out: 1784.658+/-0.391 χ^2/NDF:18757654.5/34

All: 2312.314+/-0.335 χ^2/NDF: 29359145.6/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1670.989+/-542.544 χ^2/NDF:20.8/15

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2695.149+/-557.076 χ^2/NDF:16.9/13

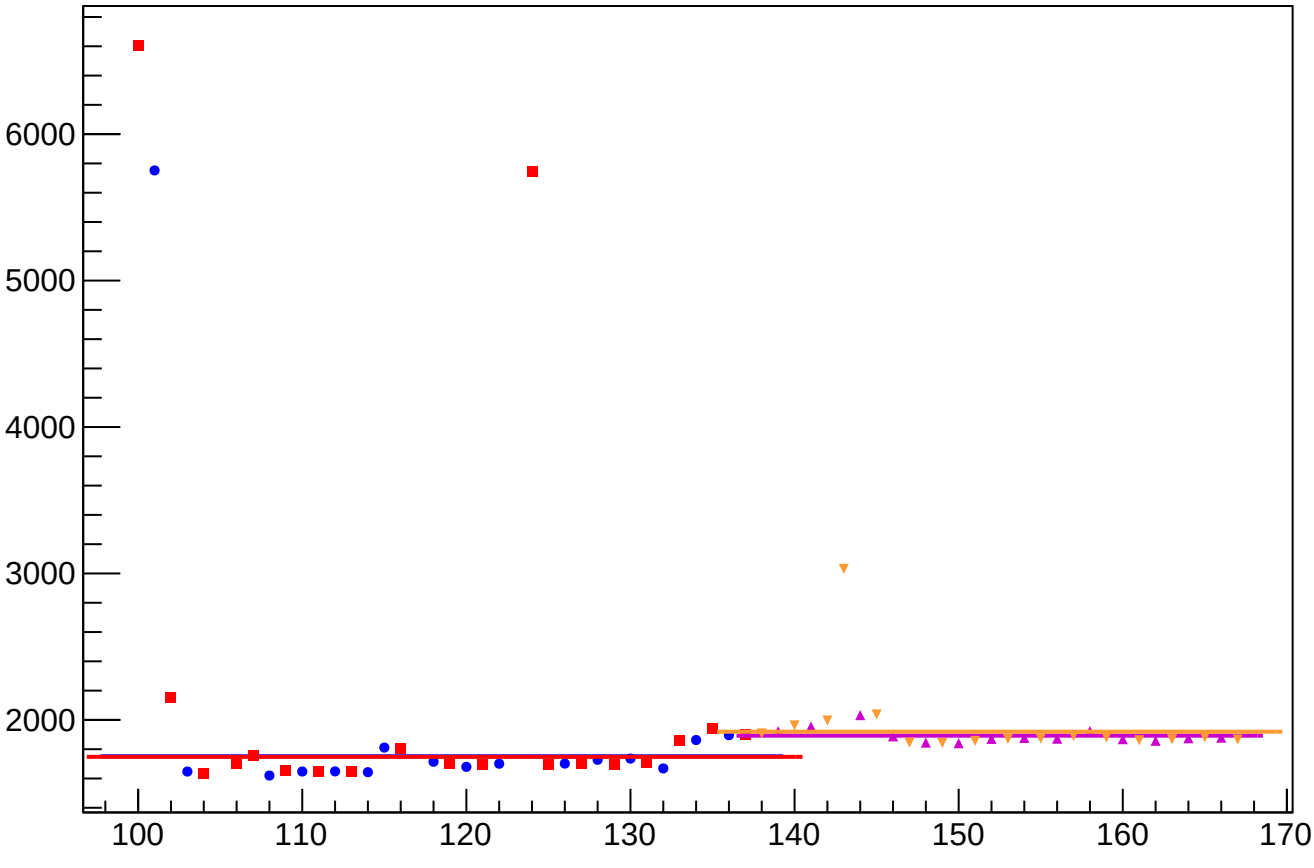
Left: 2169.536+/-388.672 χ^2/NDF: 39.4/29

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2399.987+/-427.752 χ^2/NDF:29.7/29

Out: 1896.414+/-418.157 χ^2/NDF:40.2/34

All: 2142.489+/-299.016 χ^2/NDF: 70.6/64



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1919.495+/-0.384 χ^2/NDF:242836.2/15

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1892.326+/-0.394 χ^2/NDF:15343.1/13

Left: 1906.270+/-0.275 χ^2/NDF: 260620.7/29

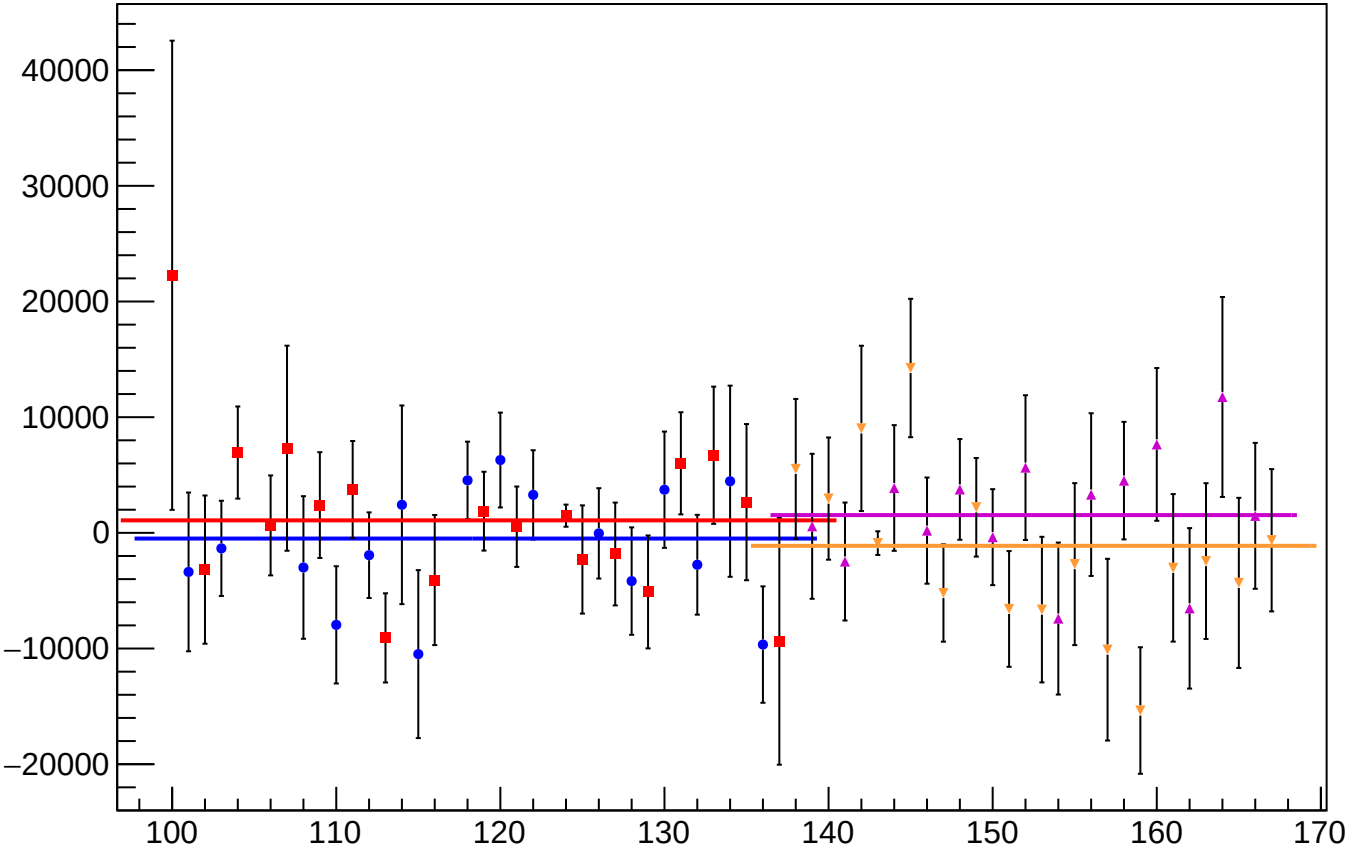
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1834.575+/-0.302 χ^2/NDF:738369.4/29

Out: 1849.476+/-0.295 χ^2/NDF:622444.3/34

All: 1842.206+/-0.211 χ^2/NDF: 1362056.7/64

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1122.170+/-843.413 χ^2/NDF:22.4/15

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1534.579+/-1497.203 χ^2/NDF:7.7/13

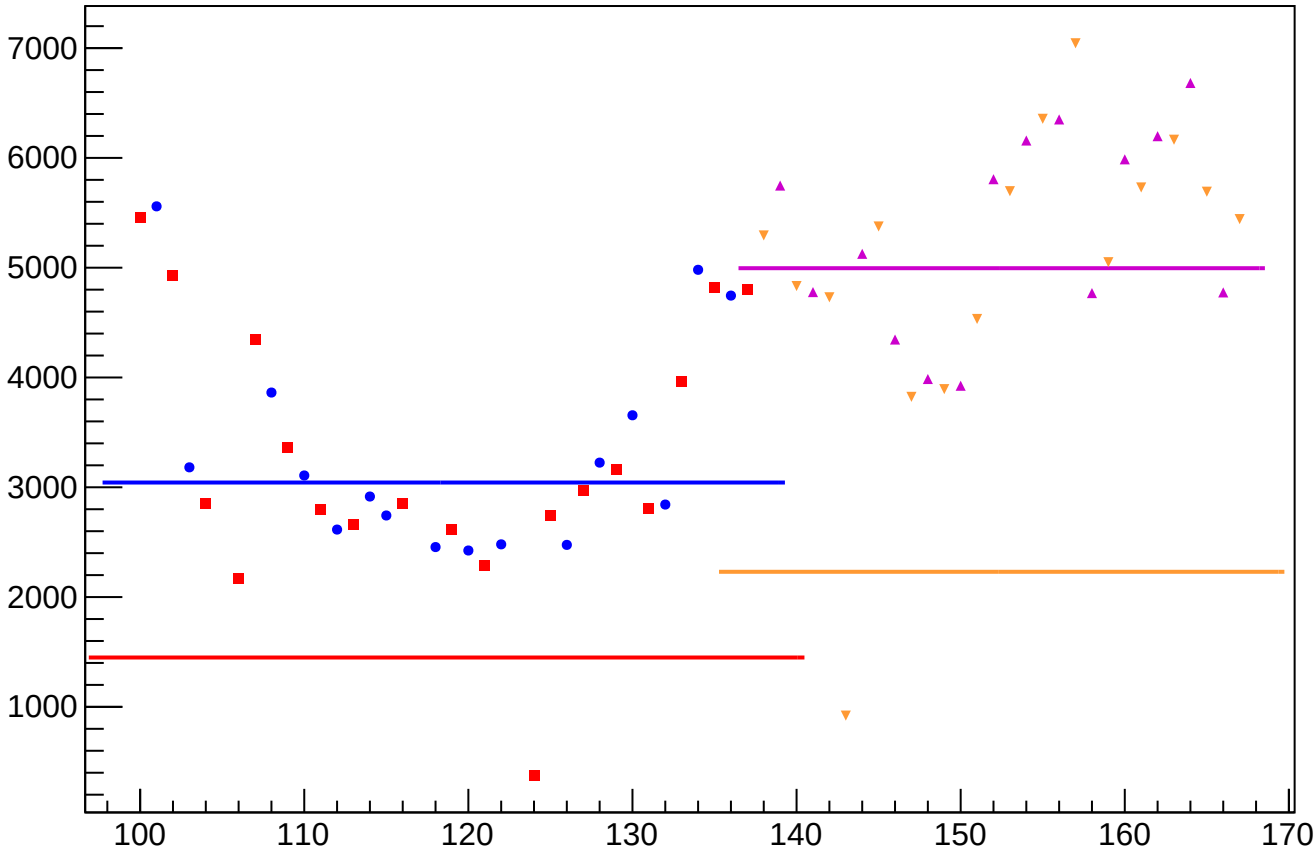
Left: -482.180+/-734.839 χ^2/NDF: 32.5/29

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 278.434+/-923.478 χ^2/NDF:24.8/29

Out: 135.204+/-552.593 χ^2/NDF:44.8/34

All: 172.968+/-474.182 χ^2/NDF: 69.6/64



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2230.244+/-0.596 χ^2/NDF:10953844.5/15

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4995.428+/-1.059 χ^2/NDF:672813.3/13

Left: 2896.356+/-0.520 χ^2/NDF: 16805352.2/29

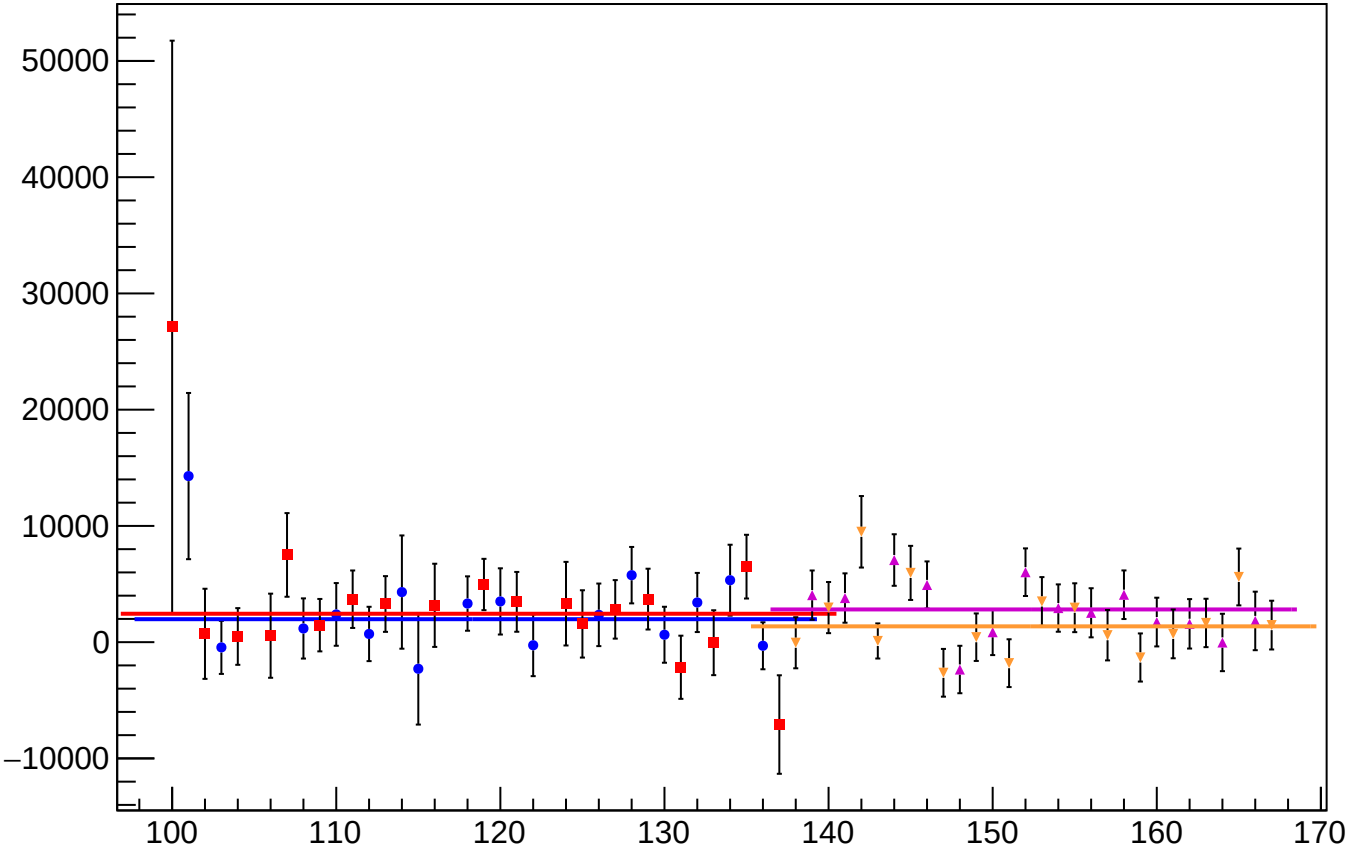
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3785.959+/-0.653 χ^2/NDF:3685056.9/29

Out: 1784.658+/-0.391 χ^2/NDF:18757654.5/34

All: 2312.314+/-0.335 χ^2/NDF: 29359145.6/6

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1359.854+/-526.462 χ^2/NDF:25.5/15

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2814.974+/-568.632 χ^2/NDF:17.6/13

Left: 2031.462+/-386.314 χ^2/NDF: 46.6/29

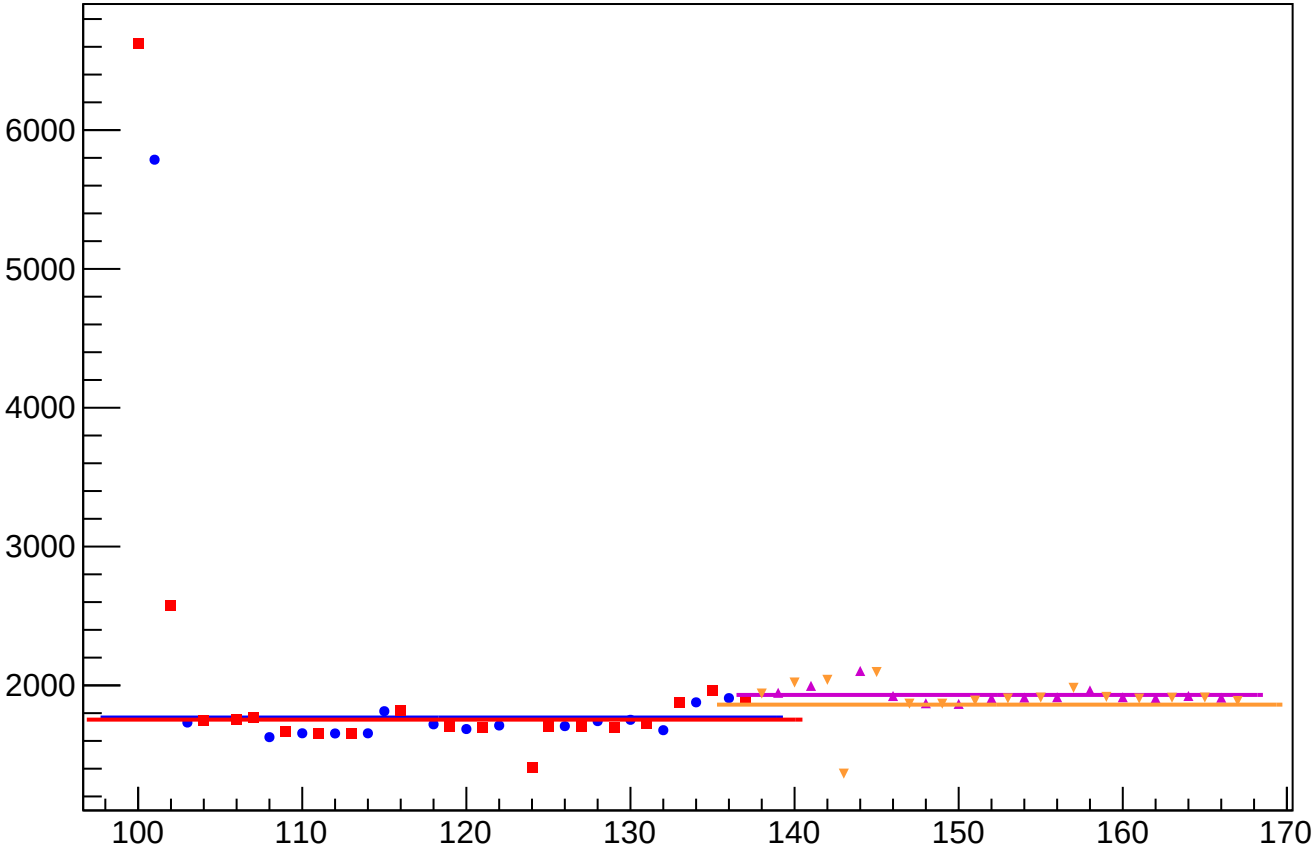
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2466.090+/-434.642 χ^2/NDF:31.0/29

Out: 1783.323+/-411.001 χ^2/NDF:44.6/34

All: 2105.634+/-298.630 χ^2/NDF: 76.9/64

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1861.351+/-0.372 χ^2/NDF:270381.2/15

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1931.324+/-0.402 χ^2/NDF:19607.6/13

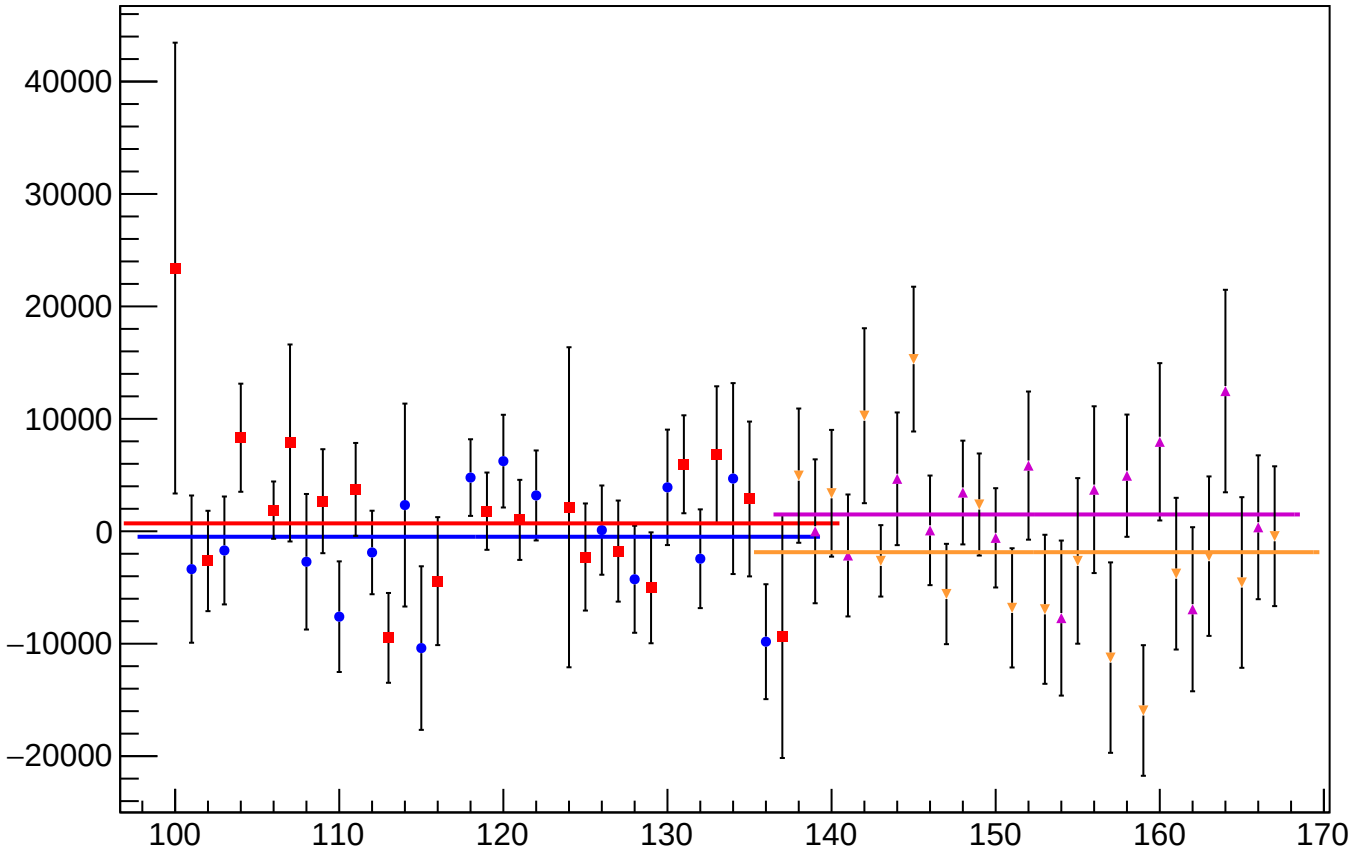
Left: 1893.647+/-0.273 χ^2/NDF: 306295.9/29

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1863.622+/-0.307 χ^2/NDF:755168.5/29

Out: 1819.050+/-0.290 χ^2/NDF:522202.8/34

All: 1840.068+/-0.211 χ^2/NDF: 1288486.1/64



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1859.851+/-1409.310 χ^2/NDF:22.2/15

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1495.902+/-1582.069 χ^2/NDF:7.7/13

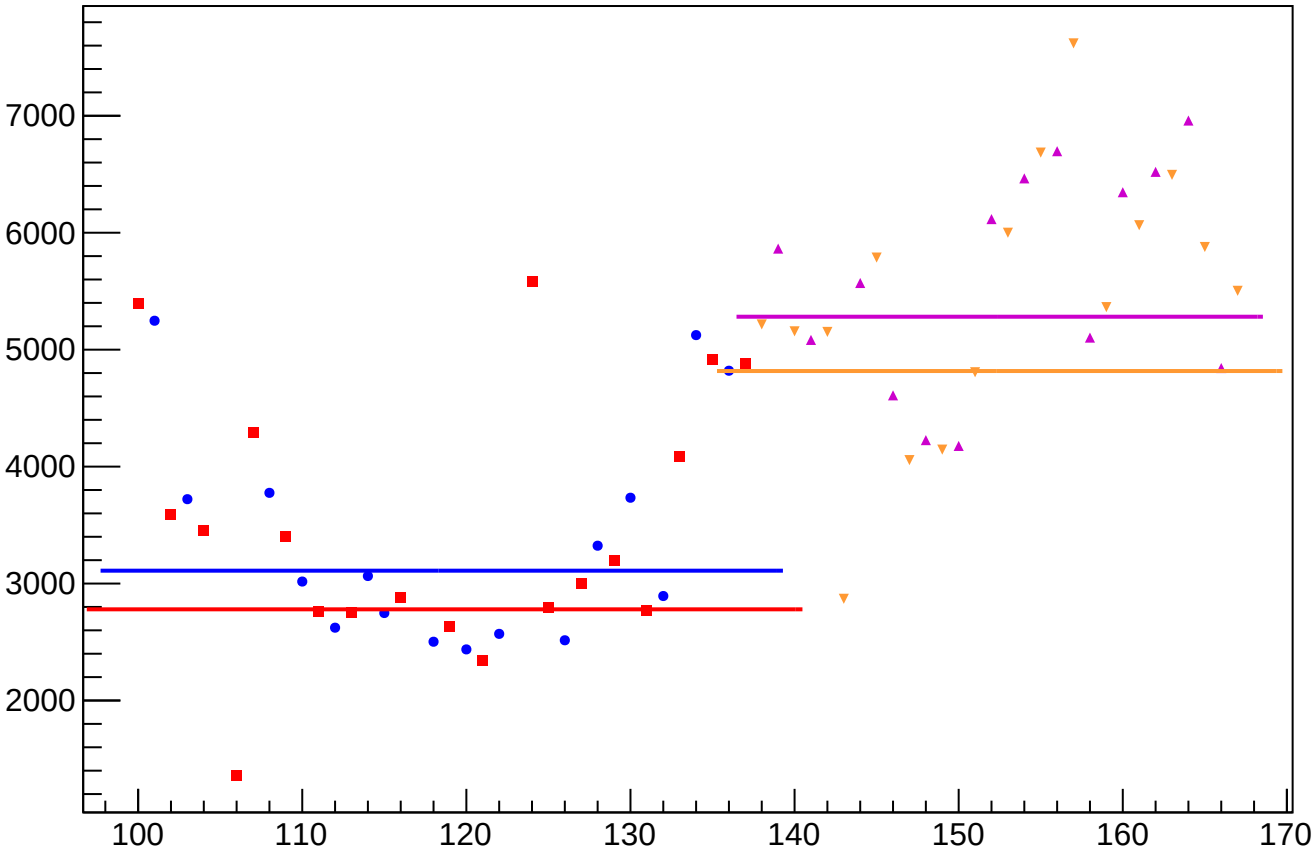
Left: -375.132+/-1052.331 χ^2/NDF: 32.4/29

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 235.328+/-955.328 χ^2/NDF:24.4/29

Out: -233.333+/-851.938 χ^2/NDF:43.1/34

All: -25.727+/-635.834 χ^2/NDF: 67.7/64



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4817.373+/-0.997 χ^2/NDF:1591854.6/15

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5281.803+/-1.119 χ^2/NDF:640628.8/13

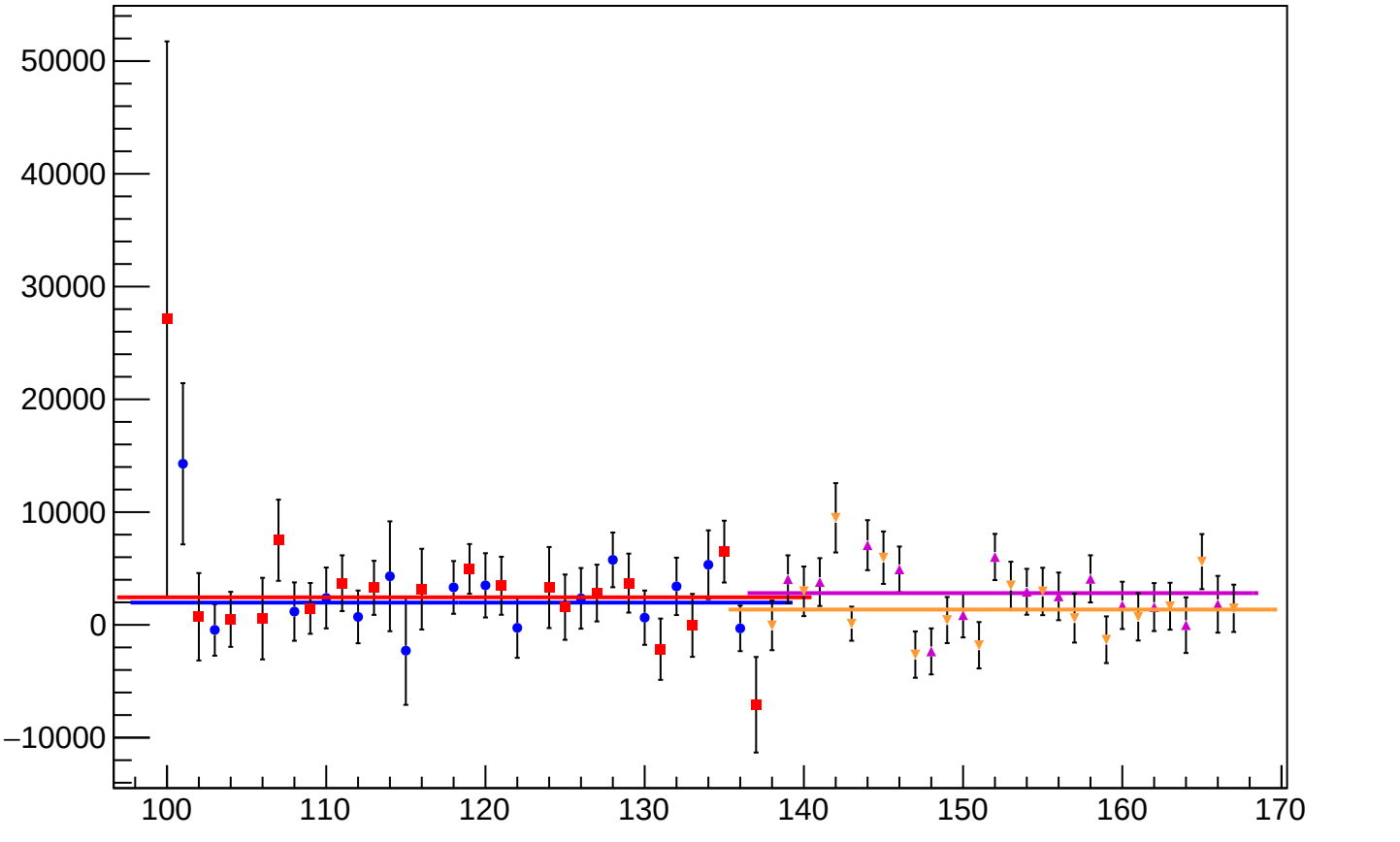
Left: 5022.855+/-0.744 χ^2/NDF: 2328580.7/29

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3901.993+/-0.676 χ^2/NDF:3918268.0/29

Out: 3524.279+/-0.602 χ^2/NDF:5593356.7/34

All: 3691.598+/-0.450 χ^2/NDF: 9685774.3/64



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1359.849+/-526.462 χ^2/NDF:25.5/15

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2814.974+/-568.633 χ^2/NDF:17.6/13

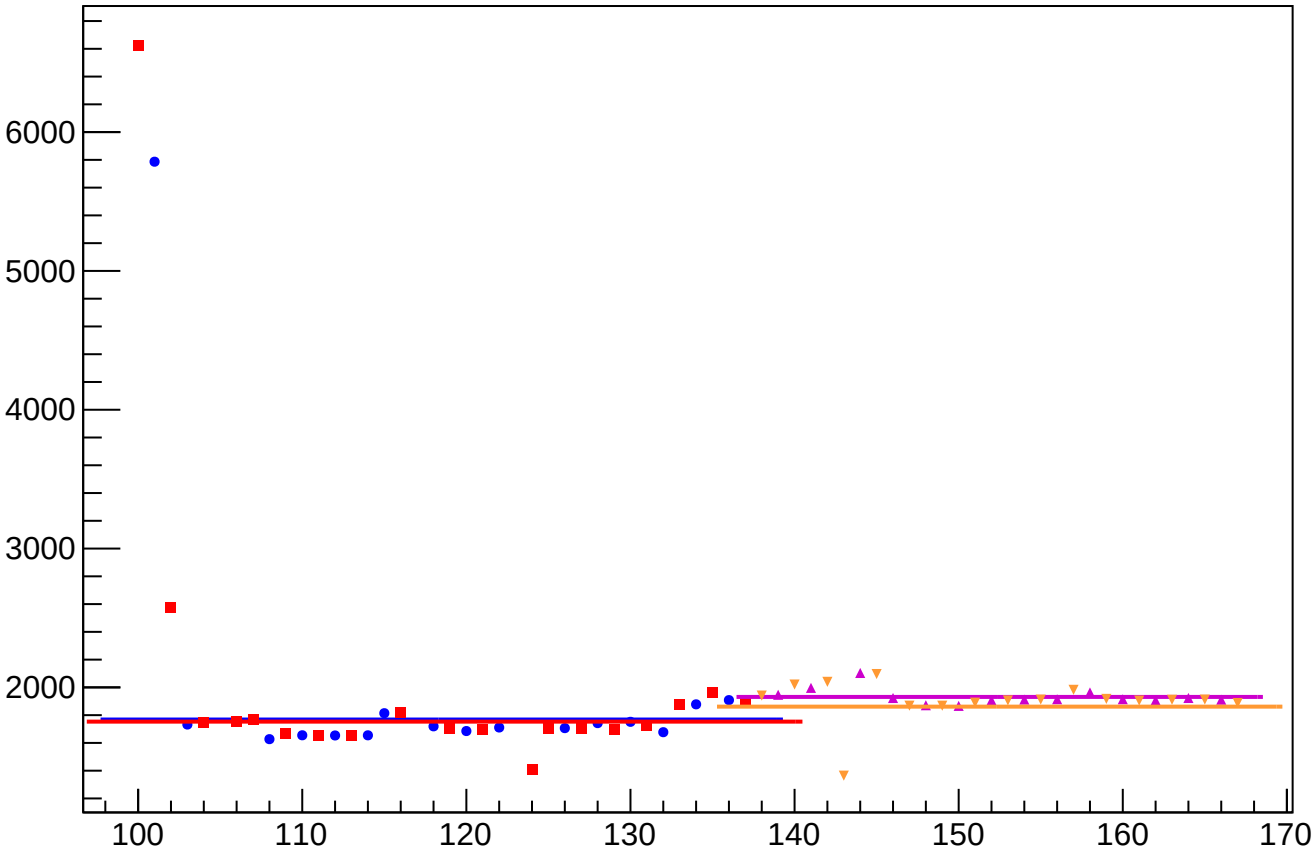
Left: 2031.460+/-386.314 χ^2/NDF: 46.6/29

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2466.090+/-434.642 χ^2/NDF:31.0/29

Out: 1783.320+/-411.001 χ^2/NDF:44.6/34

All: 2105.633+/-298.630 χ^2/NDF: 76.9/64



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1861.352+/-0.372 χ^2/NDF:270382.6/15

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1931.325+/-0.402 χ^2/NDF:19607.8/13

Left: 1893.648+/-0.273 χ^2/NDF: 306297.6/29

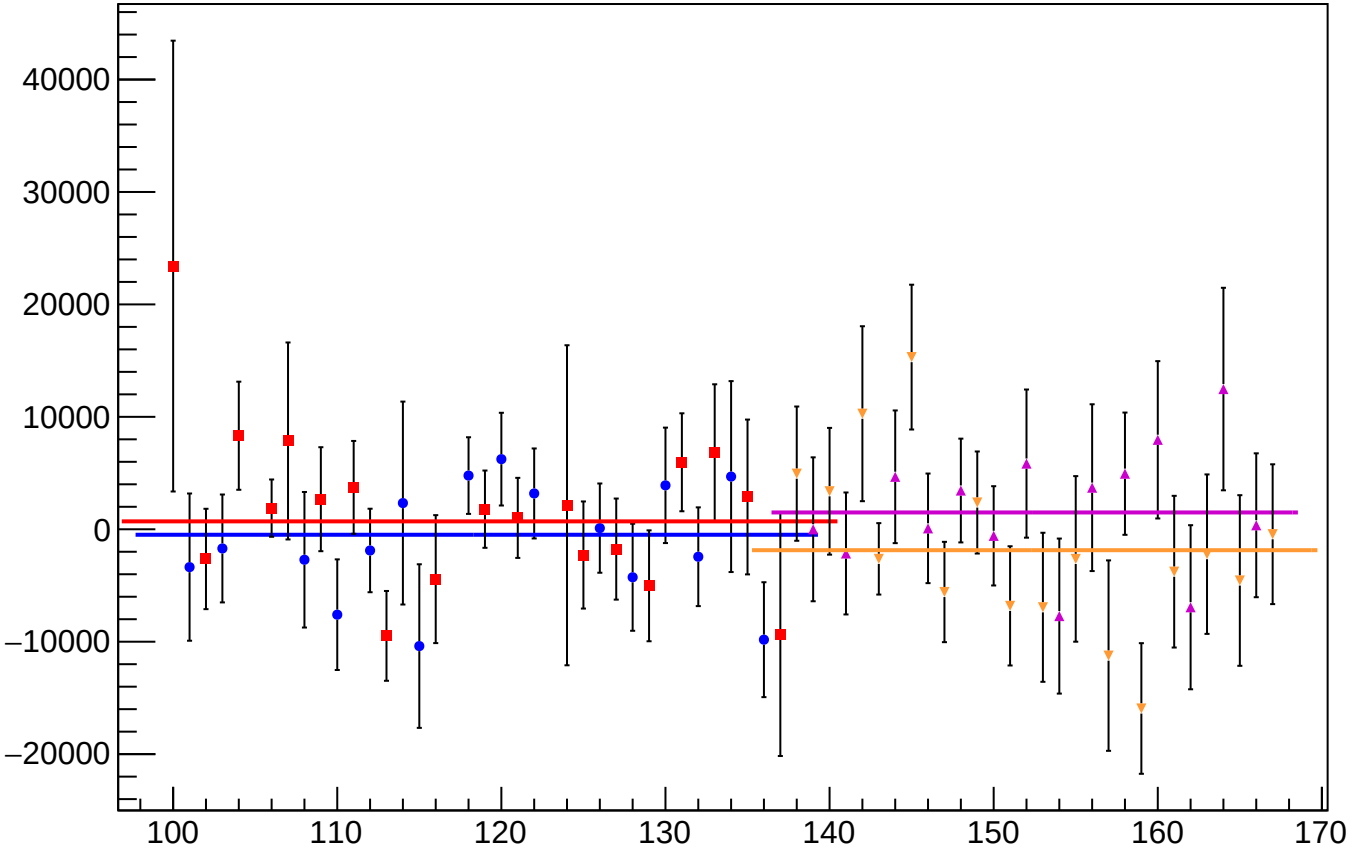
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1863.622+/-0.307 χ^2/NDF:755169.7/29

Out: 1819.050+/-0.290 χ^2/NDF:522204.8/34

All: 1840.068+/-0.211 χ^2/NDF: 1288489.4/64

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1859.857+/-1409.312 χ^2/NDF:22.2/15

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1495.902+/-1582.071 χ^2/NDF:7.7/13

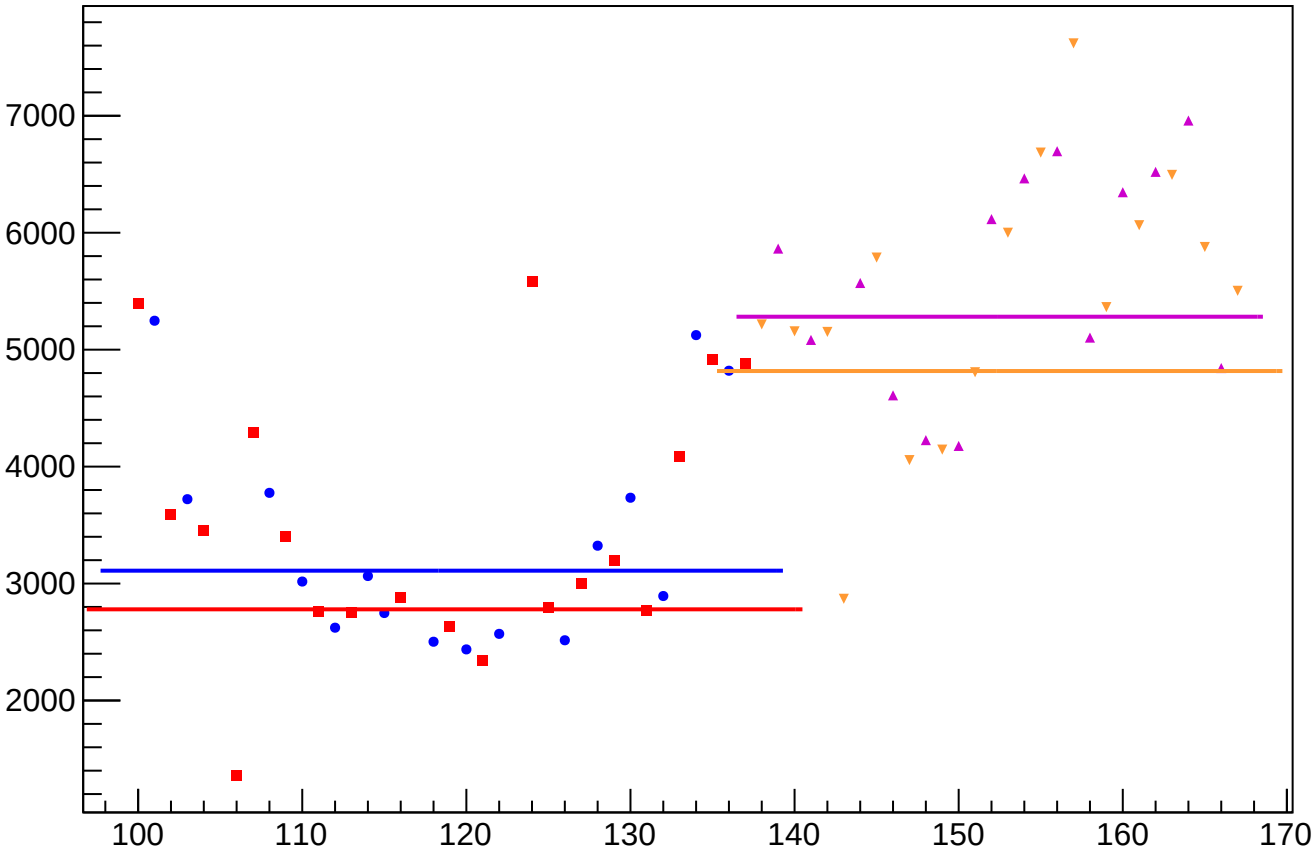
Left: -375.136+/-1052.332 χ^2/NDF: 32.4/29

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 235.328+/-955.327 χ^2/NDF:24.4/29

Out: -233.329+/-851.936 χ^2/NDF:43.1/34

All: -25.724+/-635.833 χ^2/NDF: 67.7/64



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4817.377+/-0.997 χ^2/NDF:1591862.7/15

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5281.809+/-1.119 χ^2/NDF:640632.3/13

Left: 5022.860+/-0.744 χ^2/NDF: 2328592.8/29

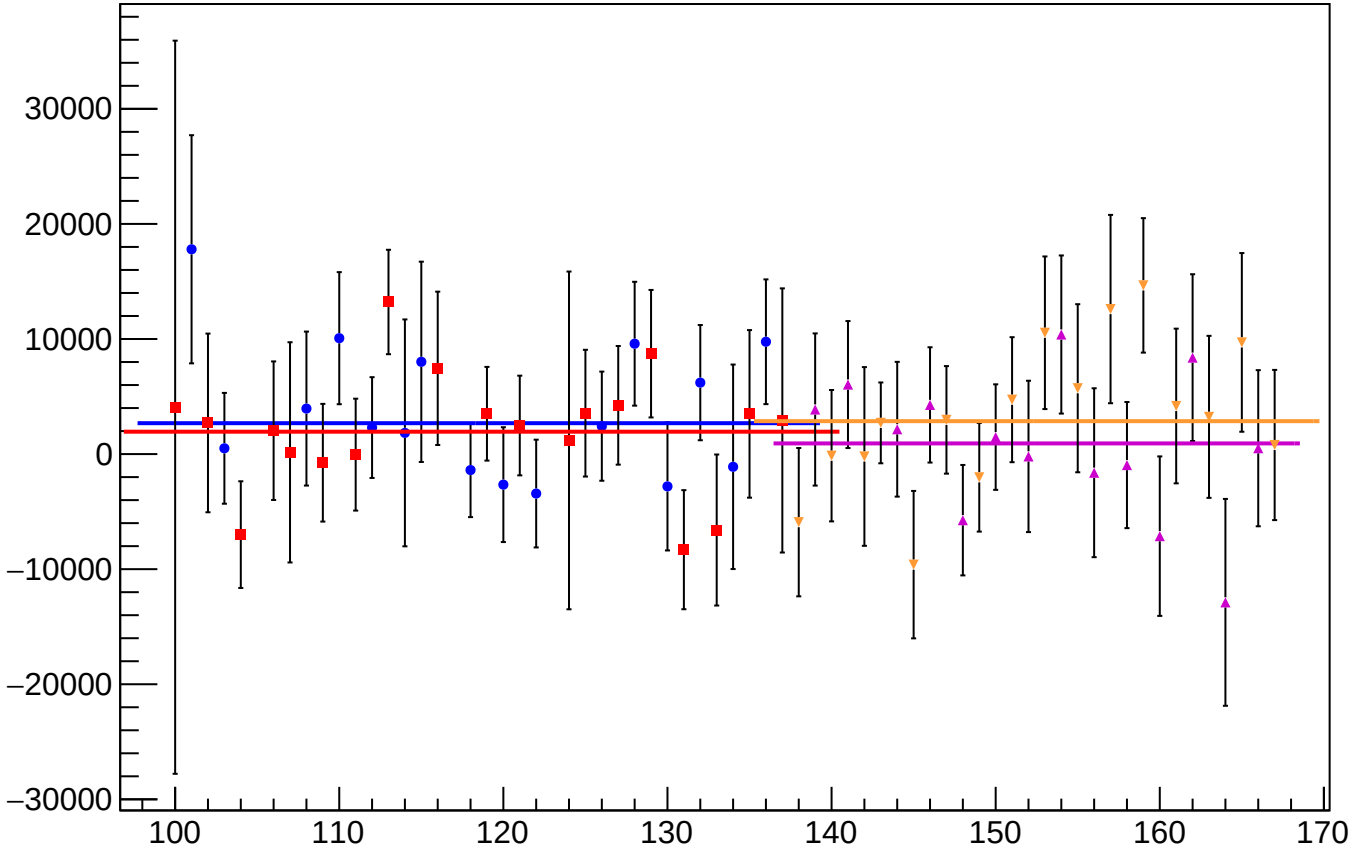
Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3901.984+/-0.676 χ^2/NDF:3918321.3/29

Out: 3524.268+/-0.602 χ^2/NDF:5593432.8/34

All: 3691.588+/-0.450 χ^2/NDF: 9685906.0/64

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2861.037+/-1459.357 χ^2/NDF:15.2/15

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 926.545+/-1609.759 χ^2/NDF:10.4/13

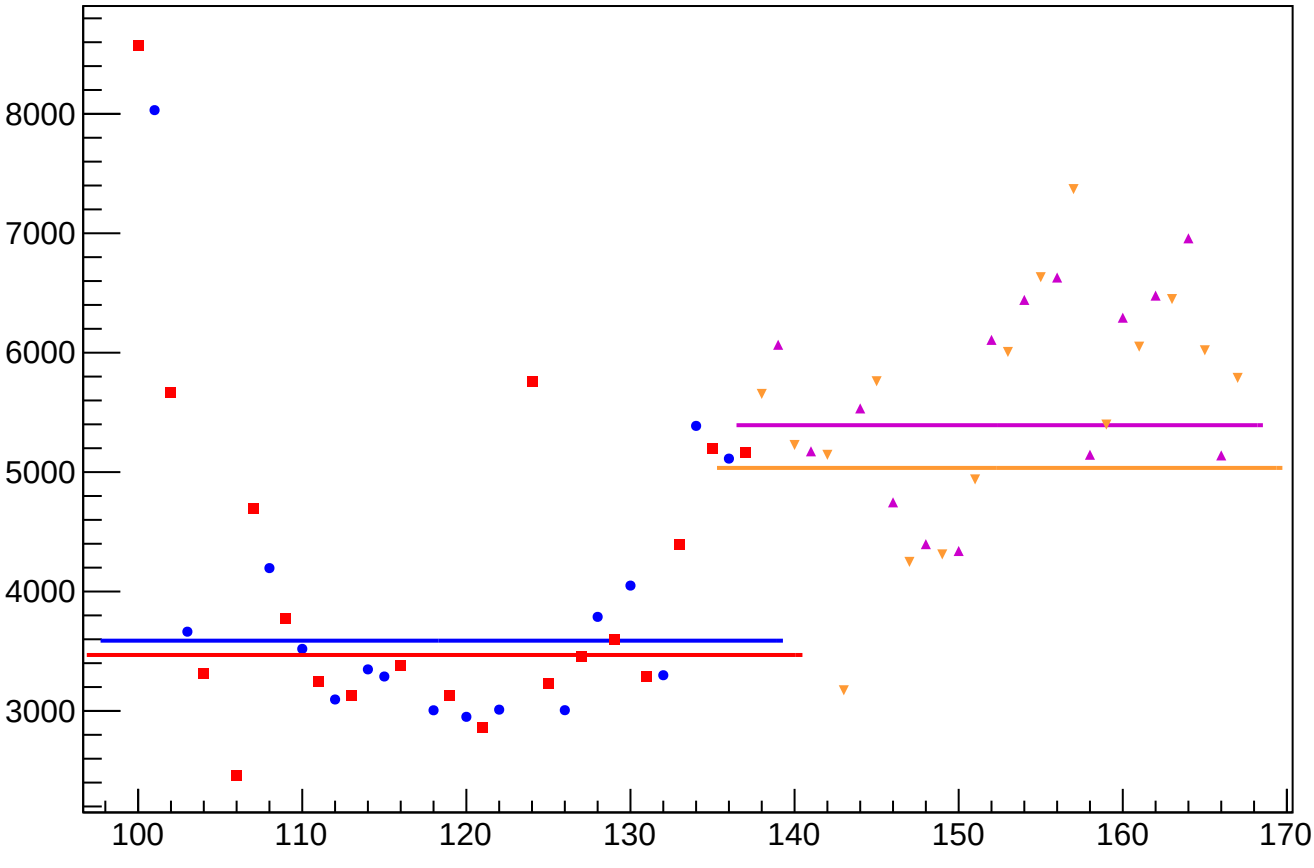
Left: 1988.363+/-1081.193 χ^2/NDF: 26.4/29

Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 1940.411+/-1047.667 χ^2/NDF:24.6/29

Out: 2362.020+/-984.213 χ^2/NDF:34.1/34

All: 2164.369+/-717.328 χ^2/NDF: 58.8/64



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5035.142+/-1.032 χ^2/NDF:1208029.1/15

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5392.866+/-1.138 χ^2/NDF:523251.7/13

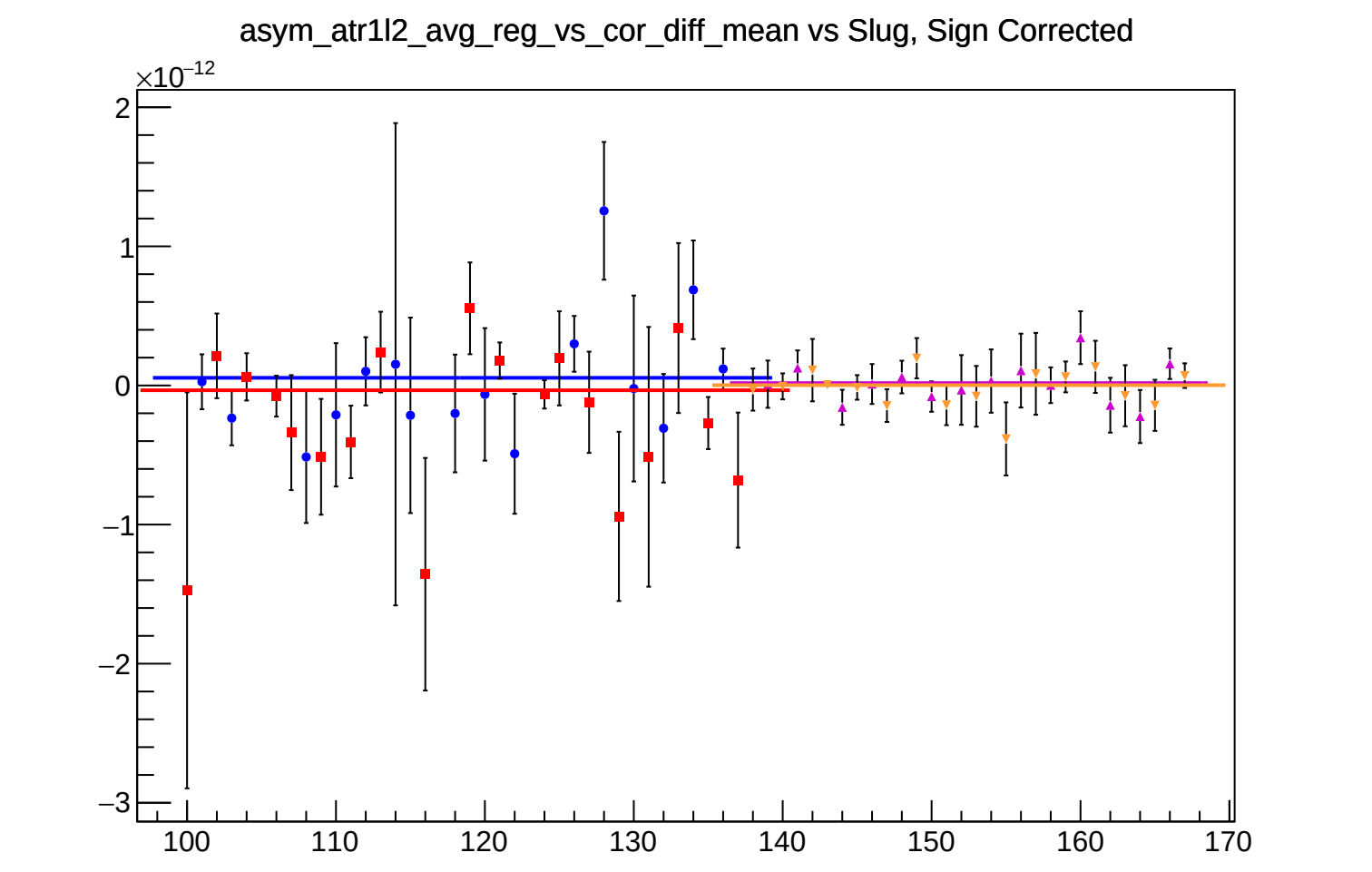
Left: 5196.516+/-0.765 χ^2/NDF: 1785491.8/29

Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4352.732+/-0.741 χ^2/NDF:2817037.3/29

Out: 4169.262+/-0.690 χ^2/NDF:3148365.7/34

All: 4254.506+/-0.505 χ^2/NDF: 5998241.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/13

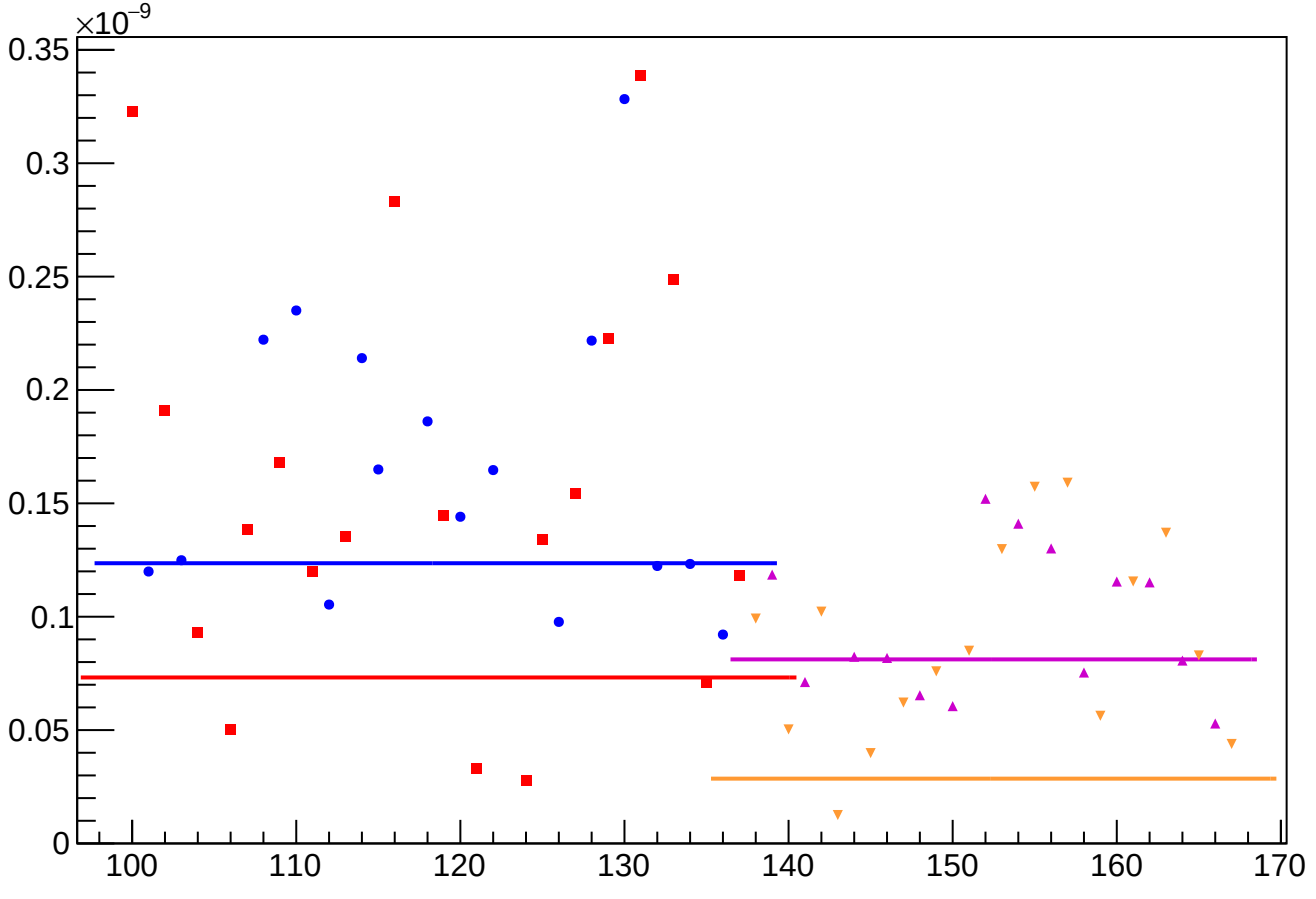
Left: 0.000+/-0.000 χ^2/NDF: 19.8/29

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

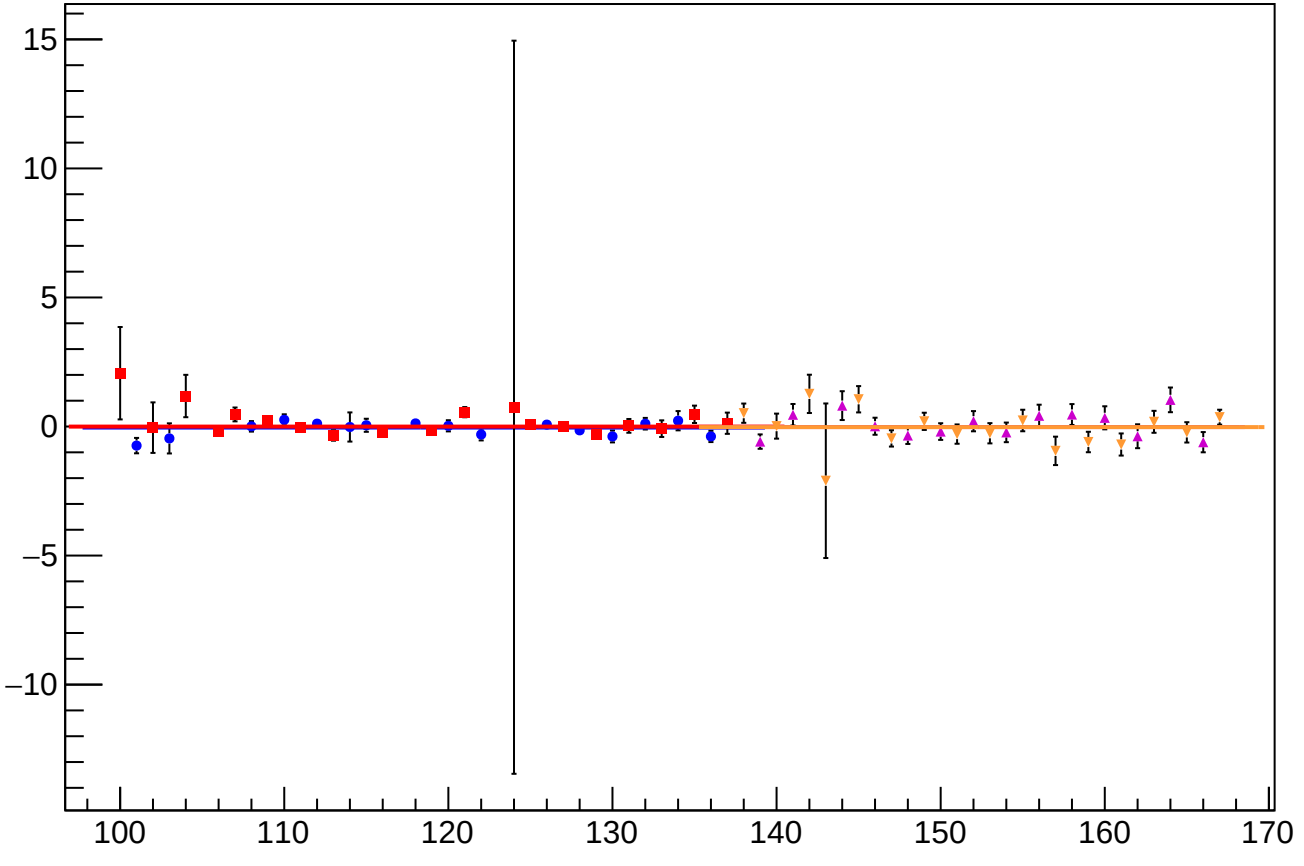
In: 0.000+/-0.000 χ^2/NDF:28.5/29

Out: -0.000+/-0.000 χ^2/NDF:31.8/34

All: 0.000+/-0.000 χ^2/NDF: 60.8/64


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:5074938.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:844932.0/13
Left: 0.000+/-0.000 χ²/NDF: 8796971.3/29
Right: 0.000+/-0.000 χ²/NDF: 3471325.1/34
In: 0.000+/-0.000 χ²/NDF:2027294.8/29
Out: 0.000+/-0.000 χ²/NDF:8511444.6/34
All: 0.000+/-0.000 χ²/NDF: 14817599.9/64

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.020+/-0.102 χ^2/NDF:20.3/13

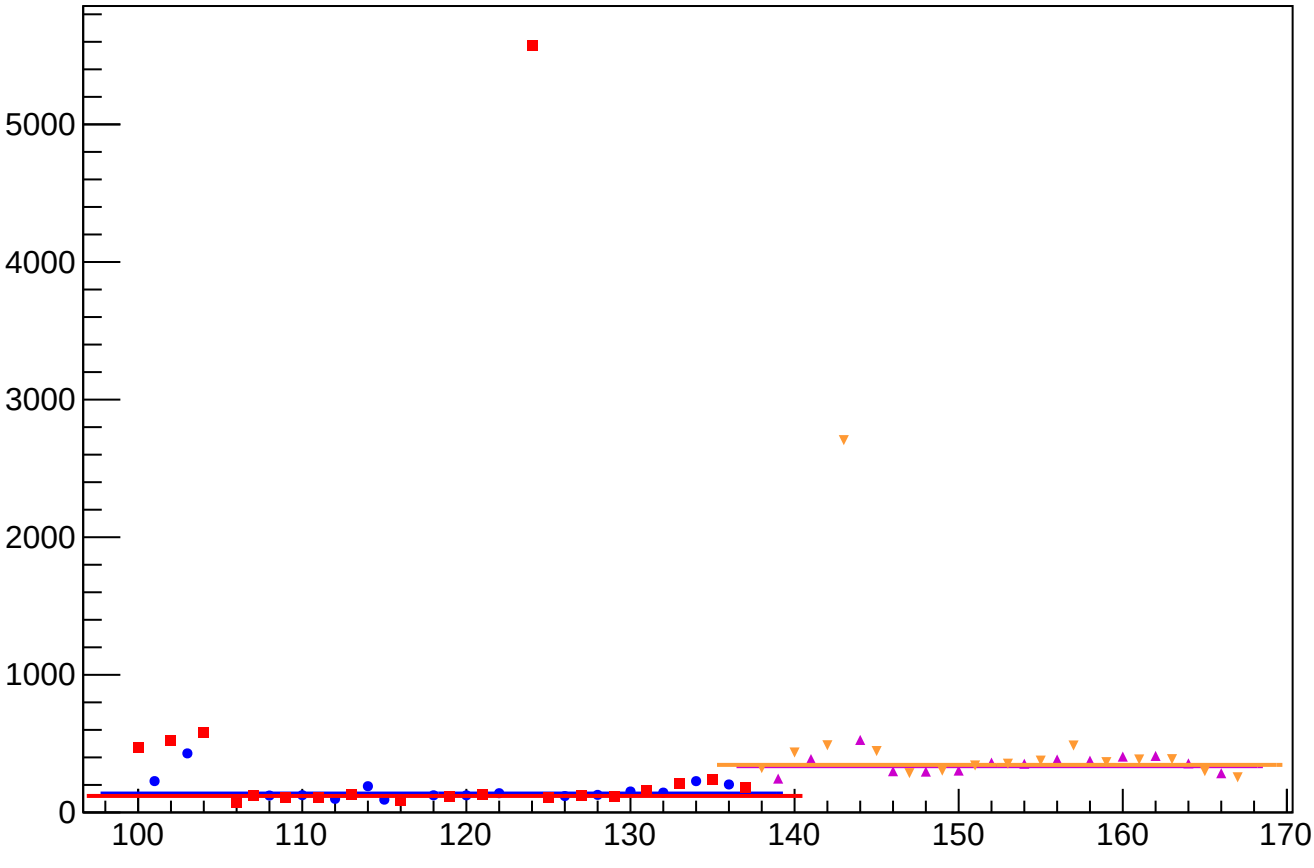
Left: -0.022+/-0.073 χ^2/NDF: 43.7/29

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.035+/-0.049 χ^2/NDF:38.3/29

Out: -0.007+/-0.046 χ^2/NDF:52.1/34

All: -0.020+/-0.033 χ^2/NDF: 90.6/64



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 345.703+/-0.073 χ^2/NDF:1980143.0/15

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 336.255+/-0.072 χ^2/NDF:743381.0/13

Left: 340.958+/-0.051 χ^2/NDF: 2732016.1/29

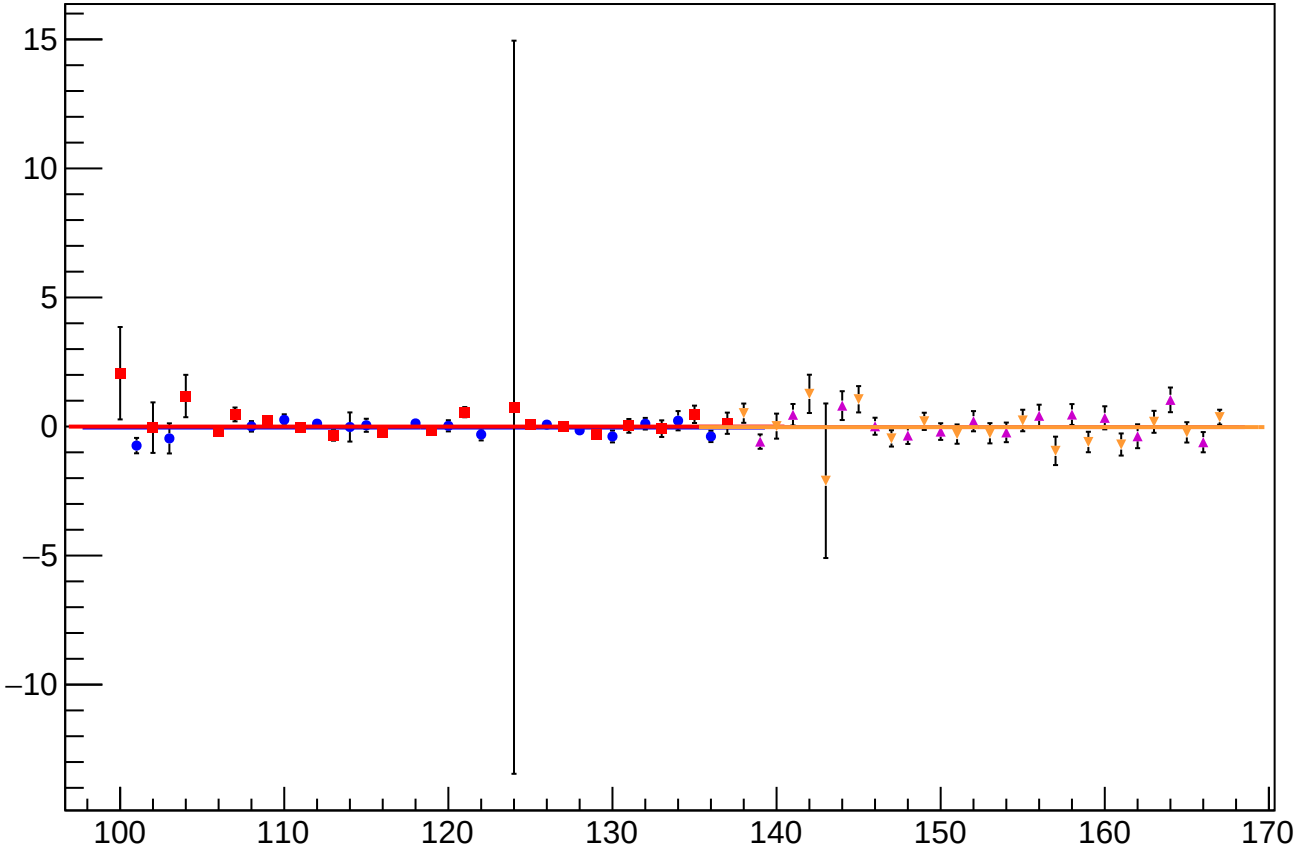
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 183.015+/-0.035 χ^2/NDF:7833913.0/29

Out: 164.509+/-0.032 χ^2/NDF:11865753.7/34

All: 173.103+/-0.024 χ^2/NDF: 19852455.3/64

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.020+/-0.102 χ^2/NDF:20.3/13

Left: -0.022+/-0.073 χ^2/NDF: 43.7/29

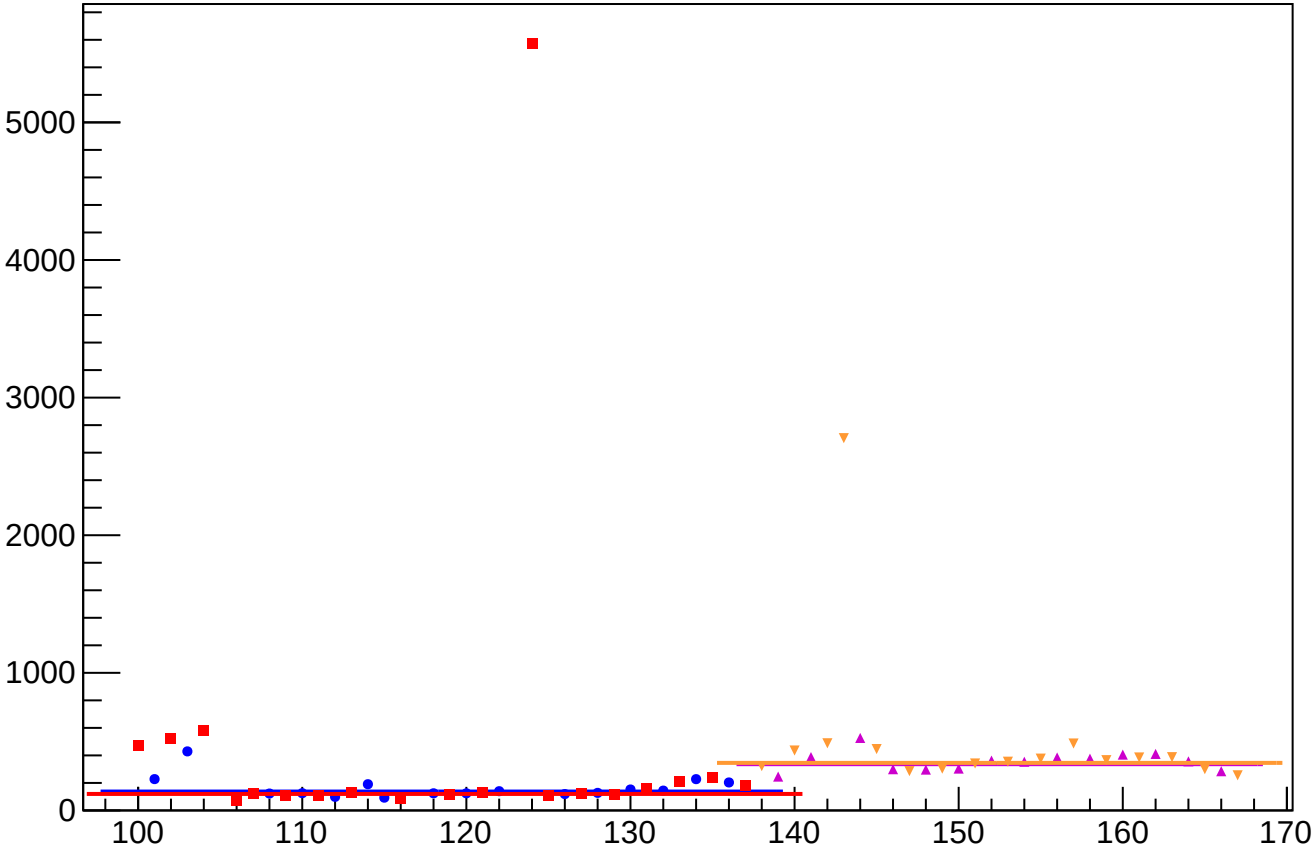
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.035+/-0.049 χ^2/NDF:38.3/29

Out: -0.007+/-0.046 χ^2/NDF:52.1/34

All: -0.020+/-0.033 χ^2/NDF: 90.6/64

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 345.703+/-0.073 χ^2/NDF:1980143.0/15

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 336.255+/-0.072 χ^2/NDF:743381.0/13

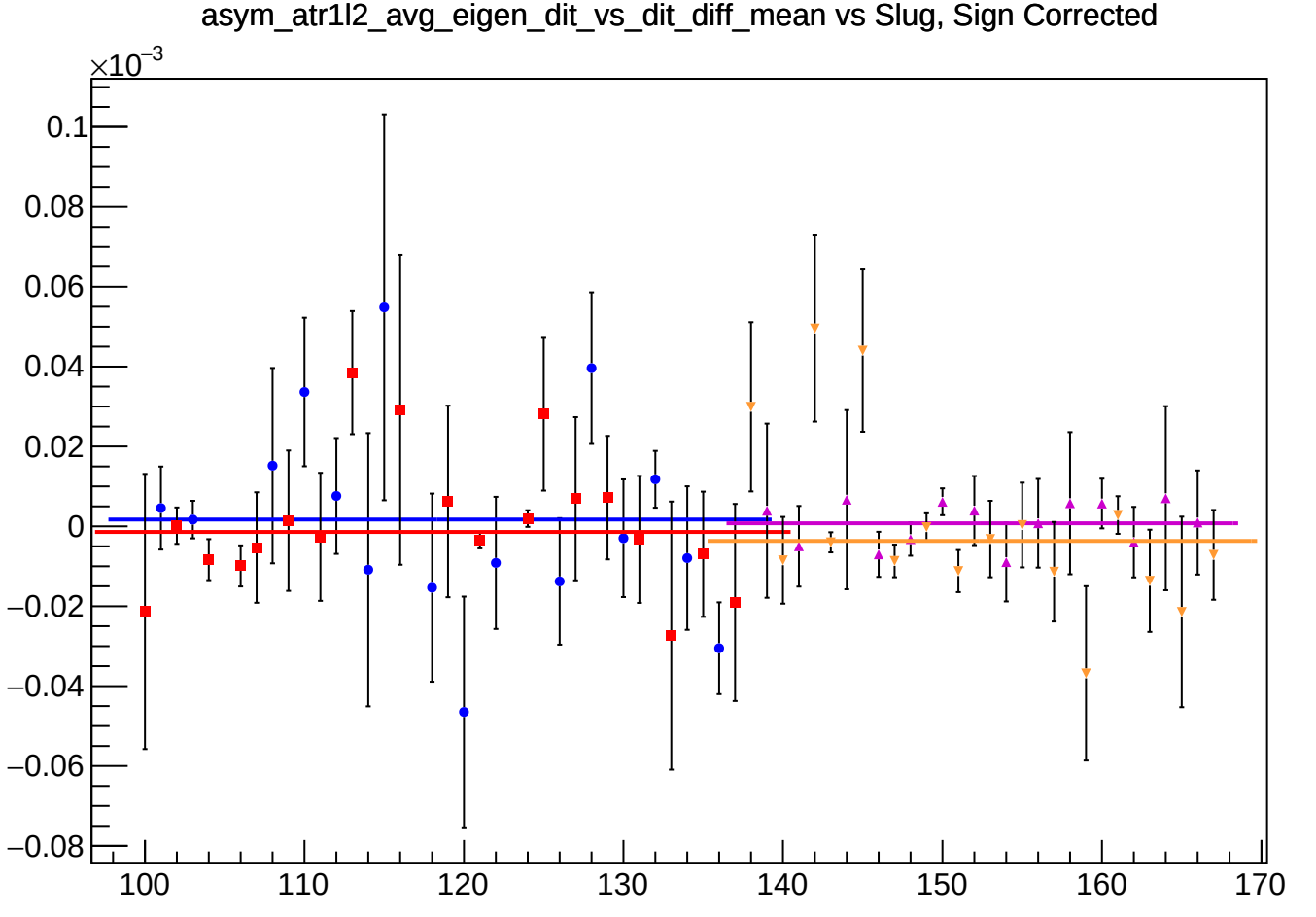
Left: 340.958+/-0.051 χ^2/NDF: 2732016.1/29

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 183.015+/-0.035 χ^2/NDF:7833913.0/29

Out: 164.509+/-0.032 χ^2/NDF:11865753.7/34

All: 173.103+/-0.024 χ^2/NDF: 19852455.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/13

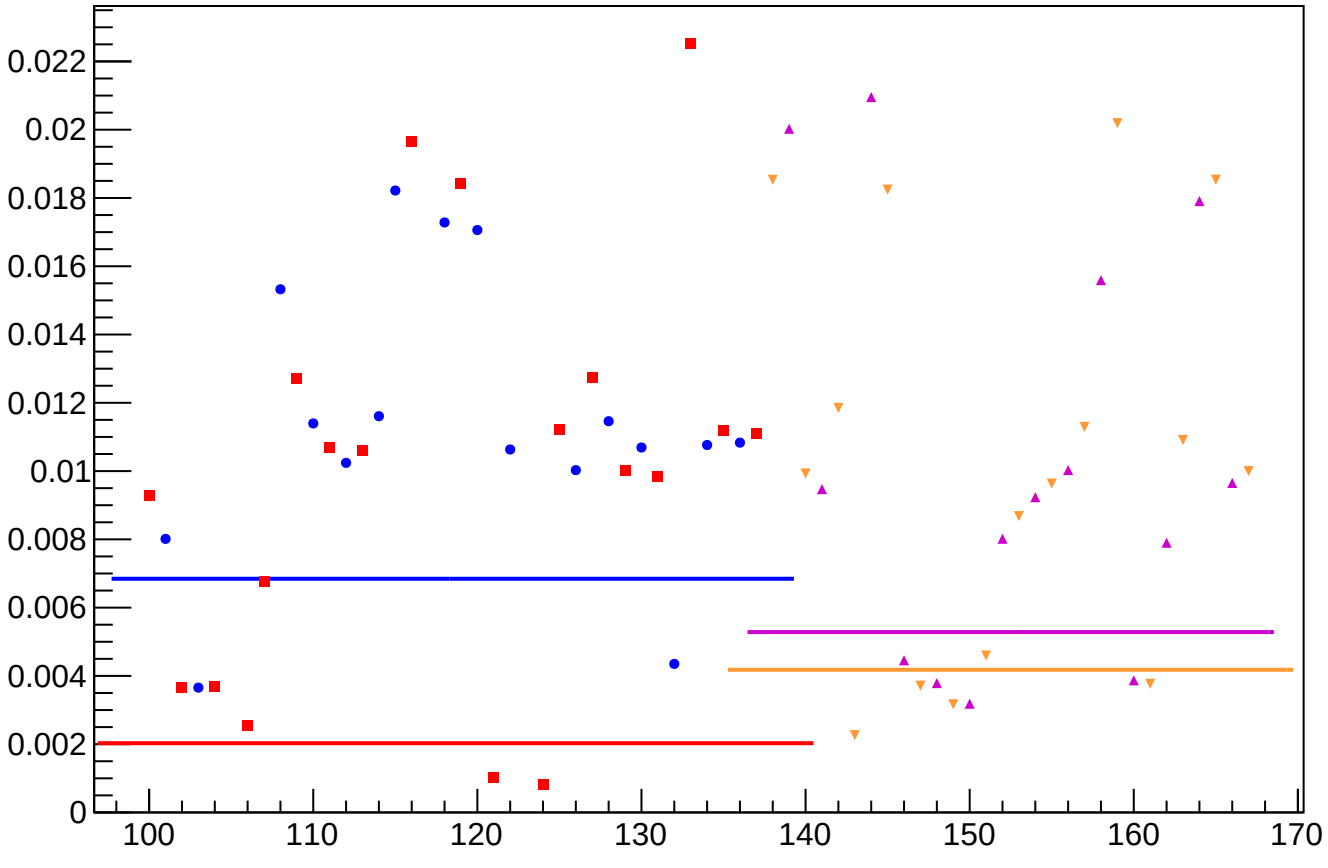
Left: -0.000+/-0.000 χ^2/NDF: 35.2/29

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:31.8/29

Out: -0.000+/-0.000 χ^2/NDF:45.5/34

All: -0.000+/-0.000 χ^2/NDF: 80.6/64



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:8549161.7/15

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:5979051.8/13

Left: 0.005+/-0.000 χ^2/NDF: 14939692.3/29

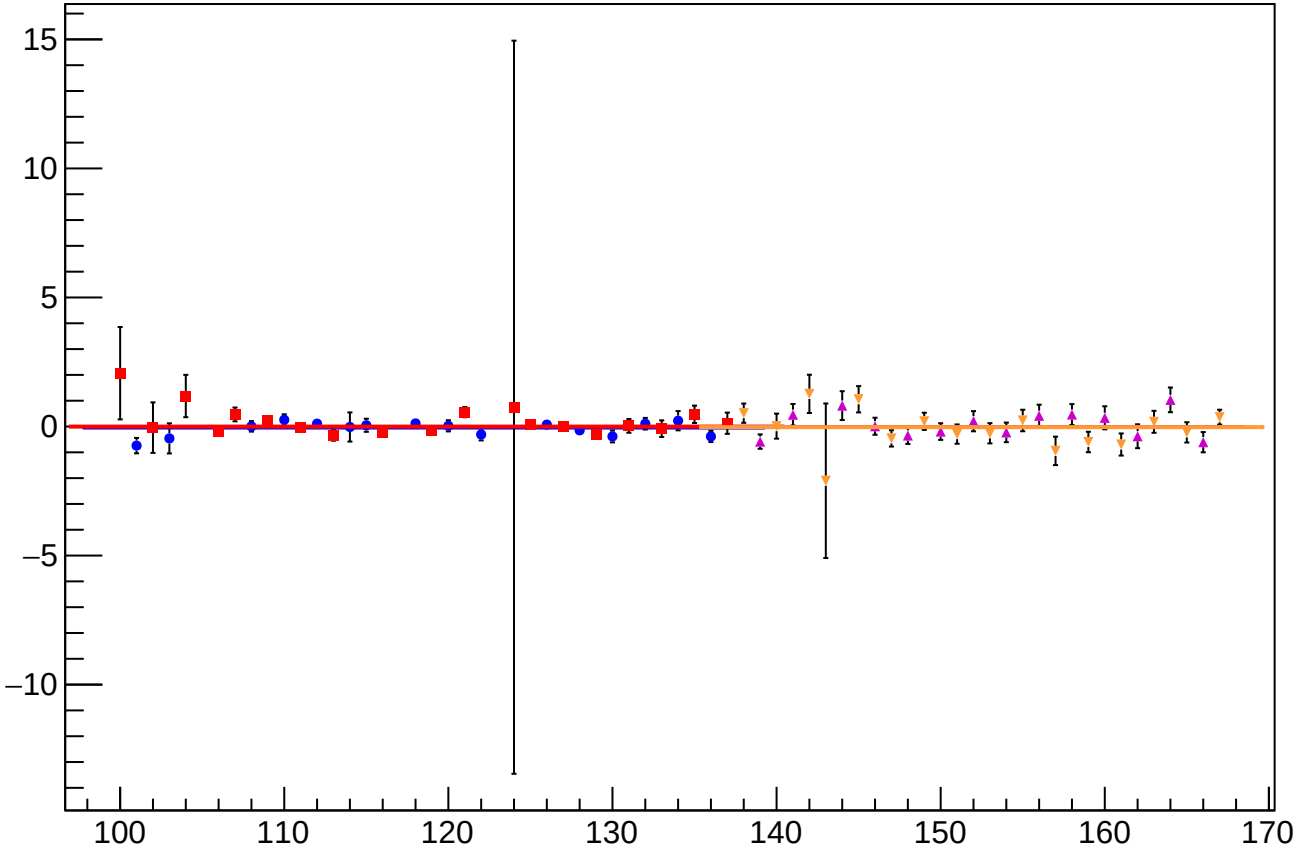
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:9600289.3/29

Out: 0.003+/-0.000 χ^2/NDF:19963626.6/34

All: 0.004+/-0.000 χ^2/NDF: 34122638.2/64

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.020+/-0.102 χ^2/NDF:20.3/13

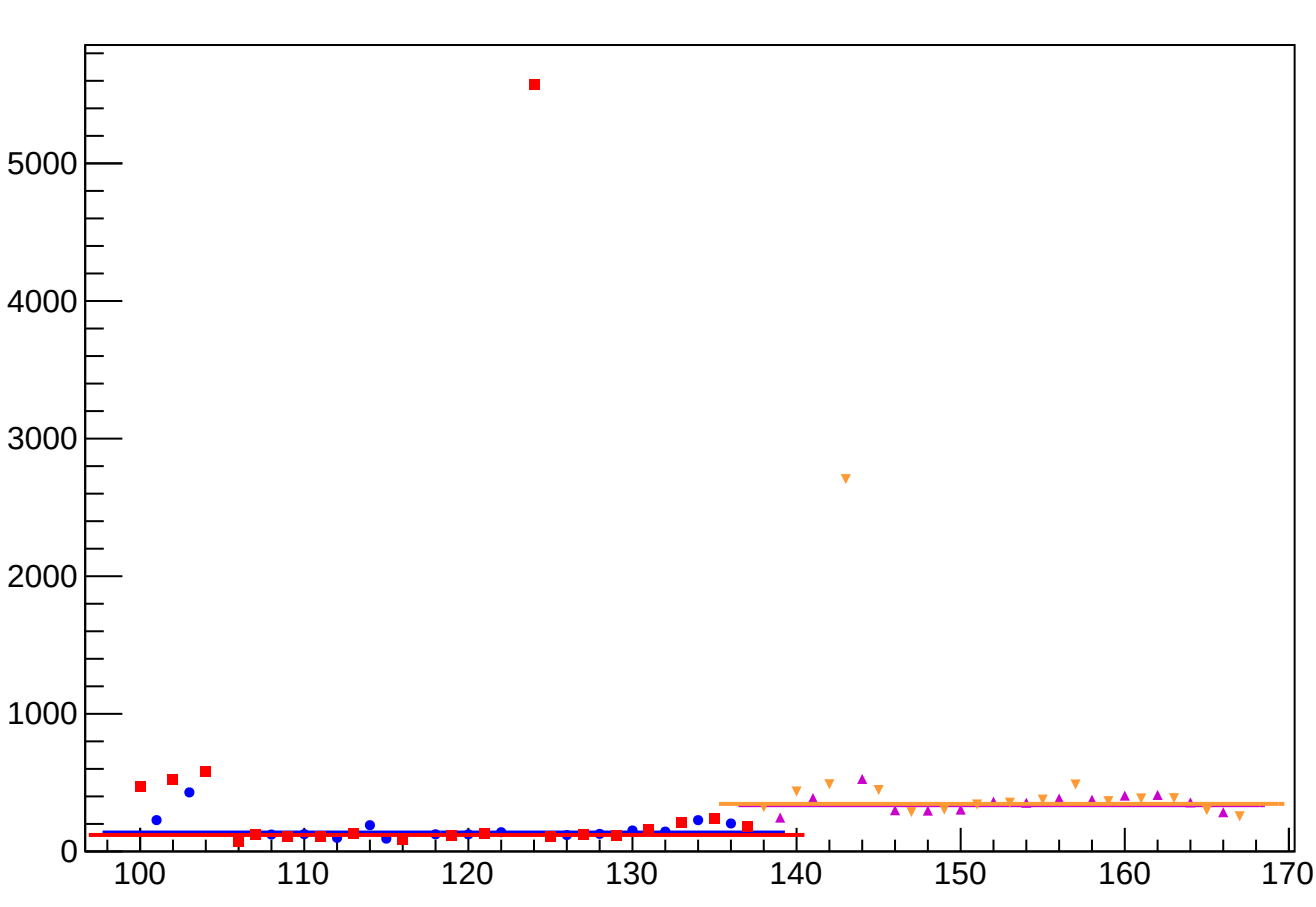
Left: -0.022+/-0.073 χ^2/NDF: 43.7/29

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.035+/-0.049 χ^2/NDF:38.3/29

Out: -0.007+/-0.046 χ^2/NDF:52.1/34

All: -0.020+/-0.033 χ^2/NDF: 90.6/64



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 345.707+/-0.073 χ^2/NDF:1980180.5/15

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 336.259+/-0.072 χ^2/NDF:743379.7/13

Left: 340.963+/-0.051 χ^2/NDF: 2732050.7/29

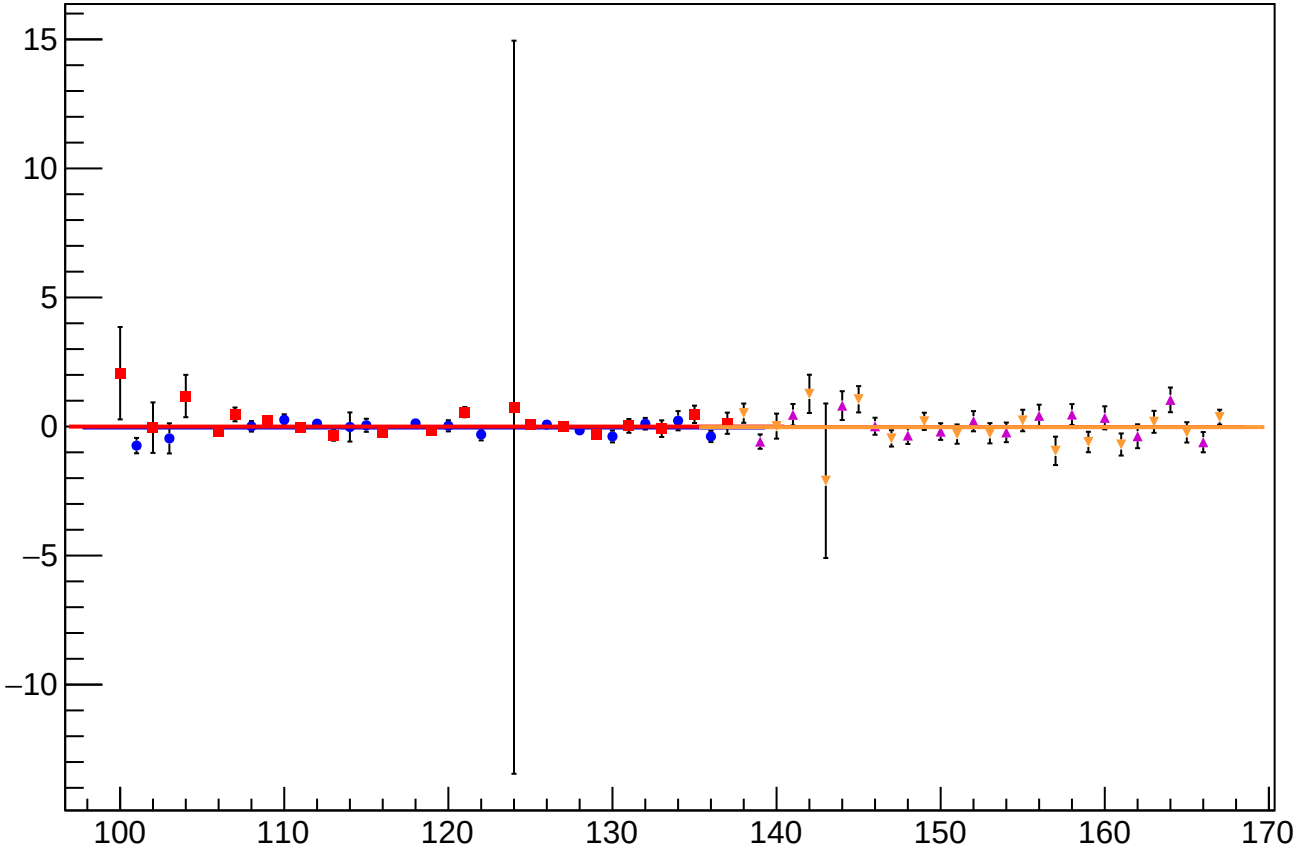
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 183.016+/-0.035 χ^2/NDF:7833937.6/29

Out: 164.508+/-0.032 χ^2/NDF:11865844.6/34

All: 173.104+/-0.024 χ^2/NDF: 19852591.8/64

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.020+/-0.102 χ^2/NDF:20.3/13

Left: -0.022+/-0.073 χ^2/NDF: 43.7/29

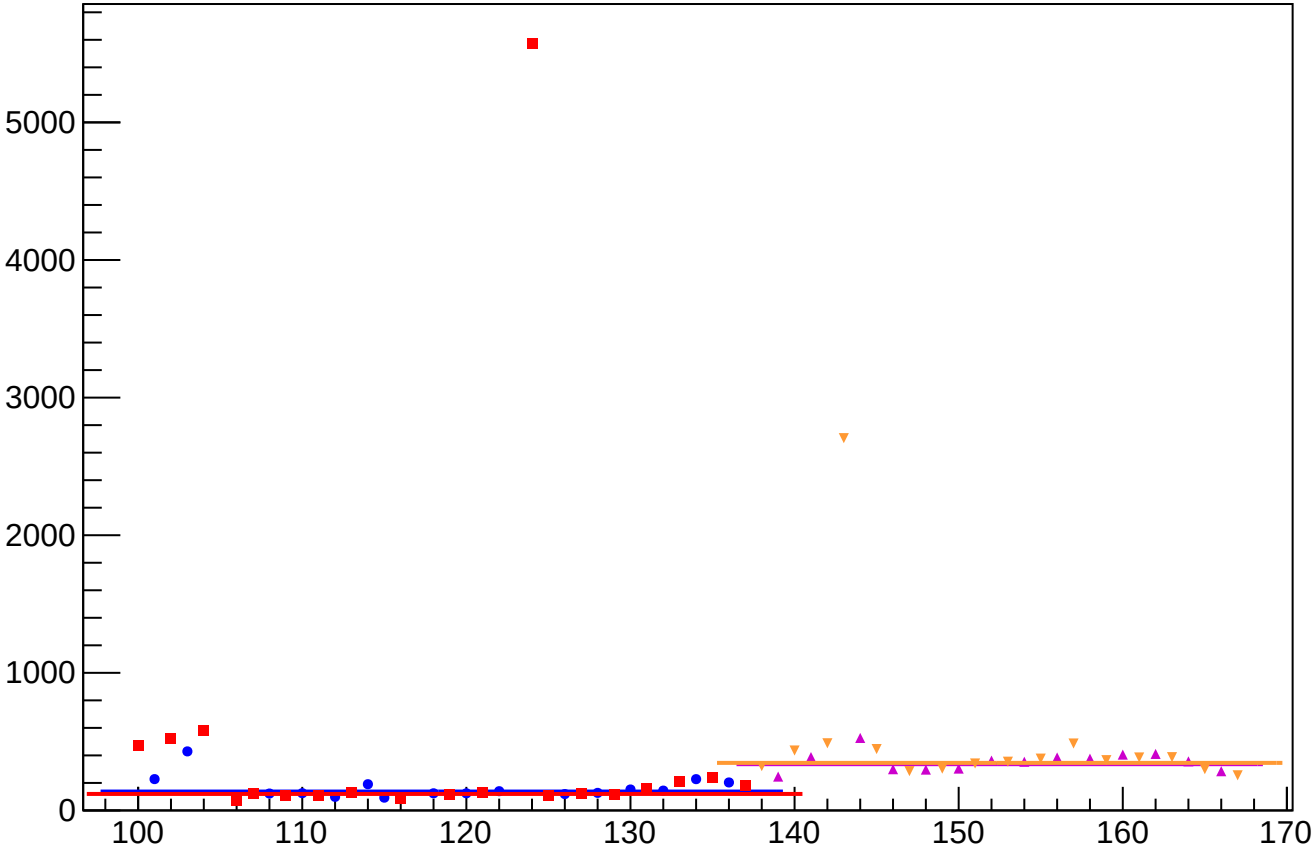
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.035+/-0.049 χ^2/NDF:38.3/29

Out: -0.007+/-0.046 χ^2/NDF:52.1/34

All: -0.020+/-0.033 χ^2/NDF: 90.6/64

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 345.707+/-0.073 χ^2/NDF:1980180.5/15

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 336.259+/-0.072 χ^2/NDF:743379.7/13

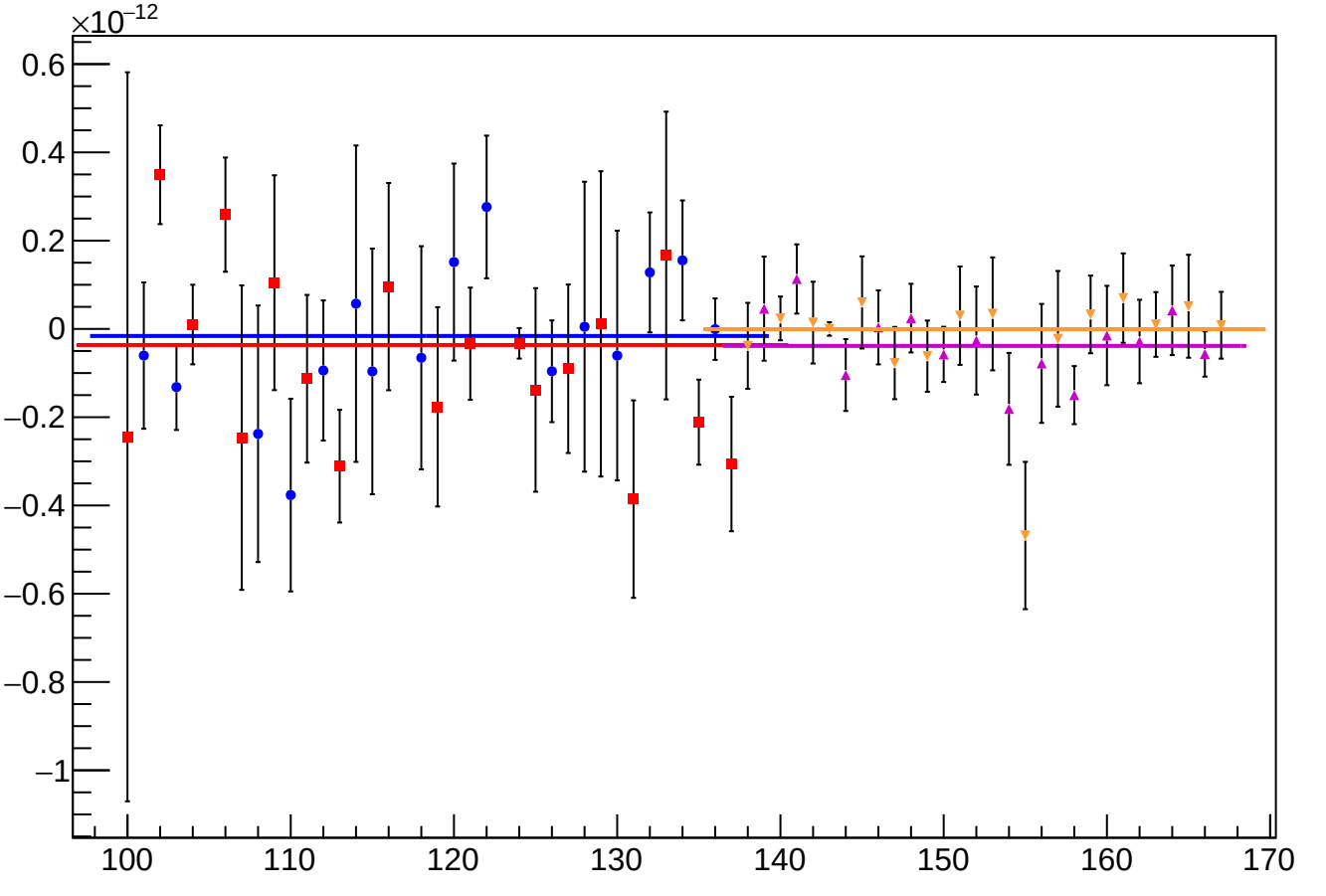
Left: 340.963+/-0.051 χ^2/NDF: 2732050.7/29

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 183.016+/-0.035 χ^2/NDF:7833937.6/29

Out: 164.508+/-0.032 χ^2/NDF:11865844.6/34

All: 173.104+/-0.024 χ^2/NDF: 19852591.8/64



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/13

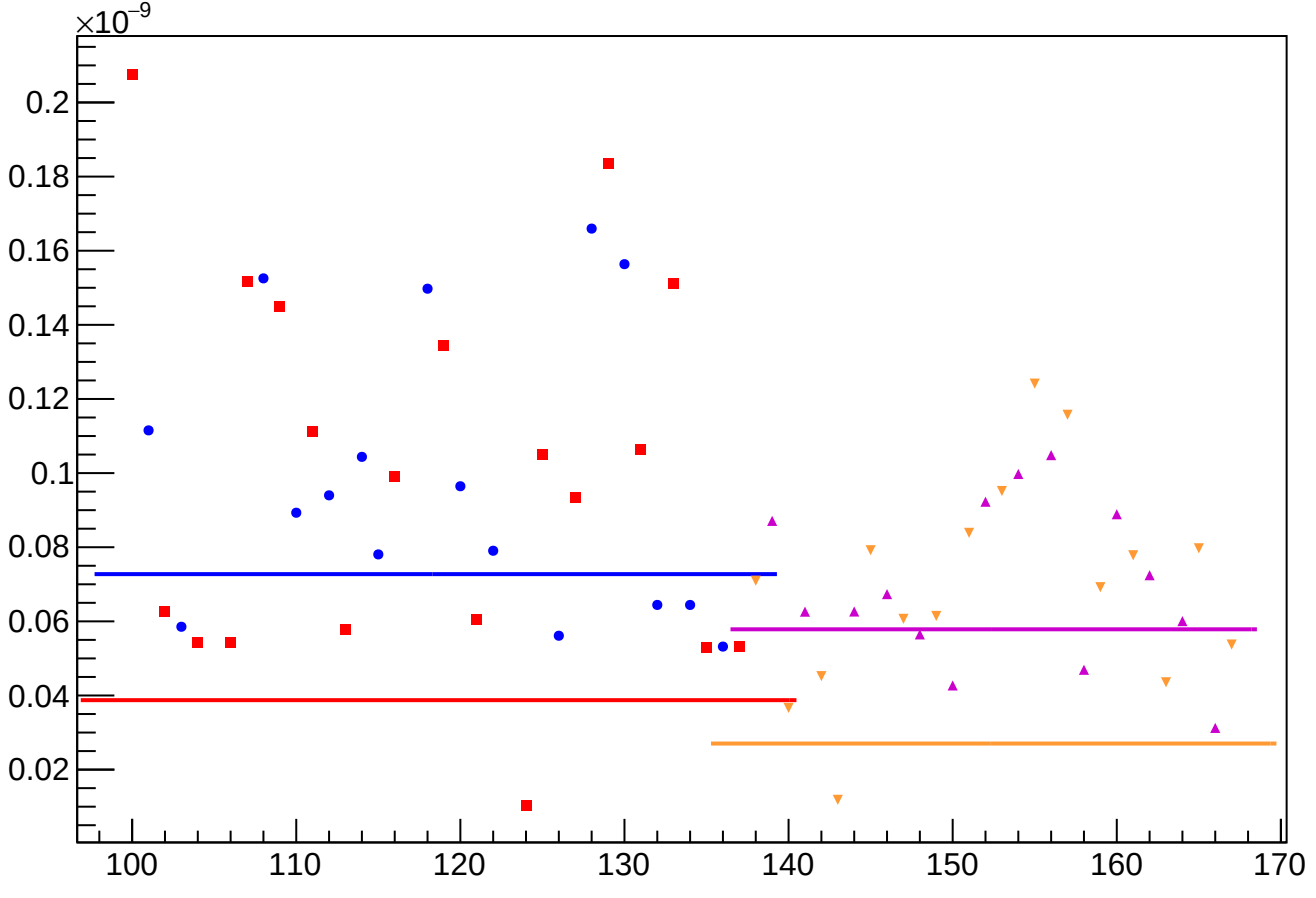
Left: -0.000+/-0.000 χ^2/NDF: 24.2/29

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:23.5/29

Out: -0.000+/-0.000 χ^2/NDF:45.8/34

All: -0.000+/-0.000 χ^2/NDF: 70.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7847607.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1694874.7/13

Left: 0.000+/-0.000 χ^2/NDF: 12437177.8/29

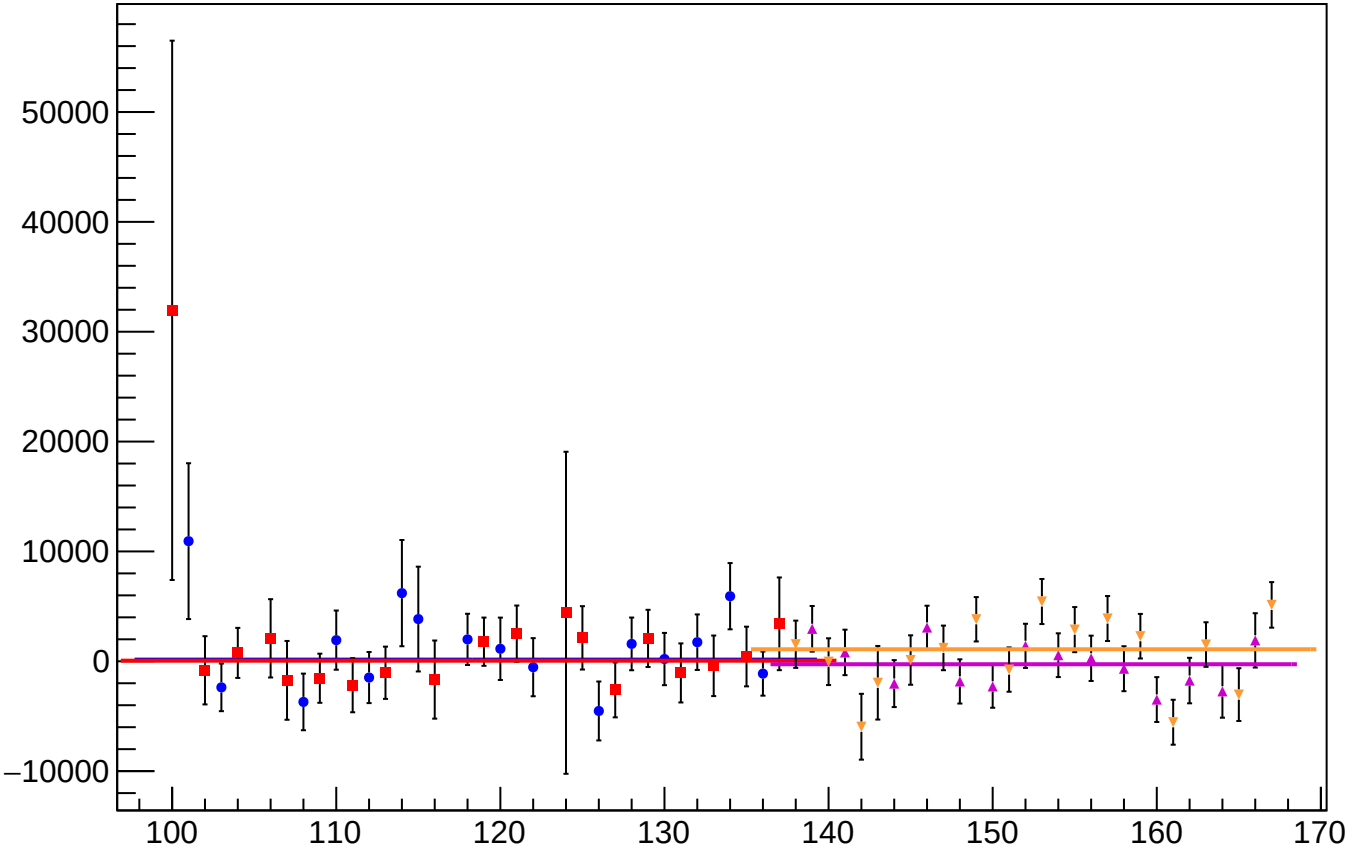
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:3058883.3/29

Out: 0.000+/-0.000 χ^2/NDF:12451784.2/34

All: 0.000+/-0.000 χ^2/NDF: 19747728.6/64

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1092.815+/-541.363 χ^2/NDF:34.4/15

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -269.560+/-556.088 χ^2/NDF:13.7/13

Left: 429.904+/-387.903 χ^2/NDF: 51.1/29

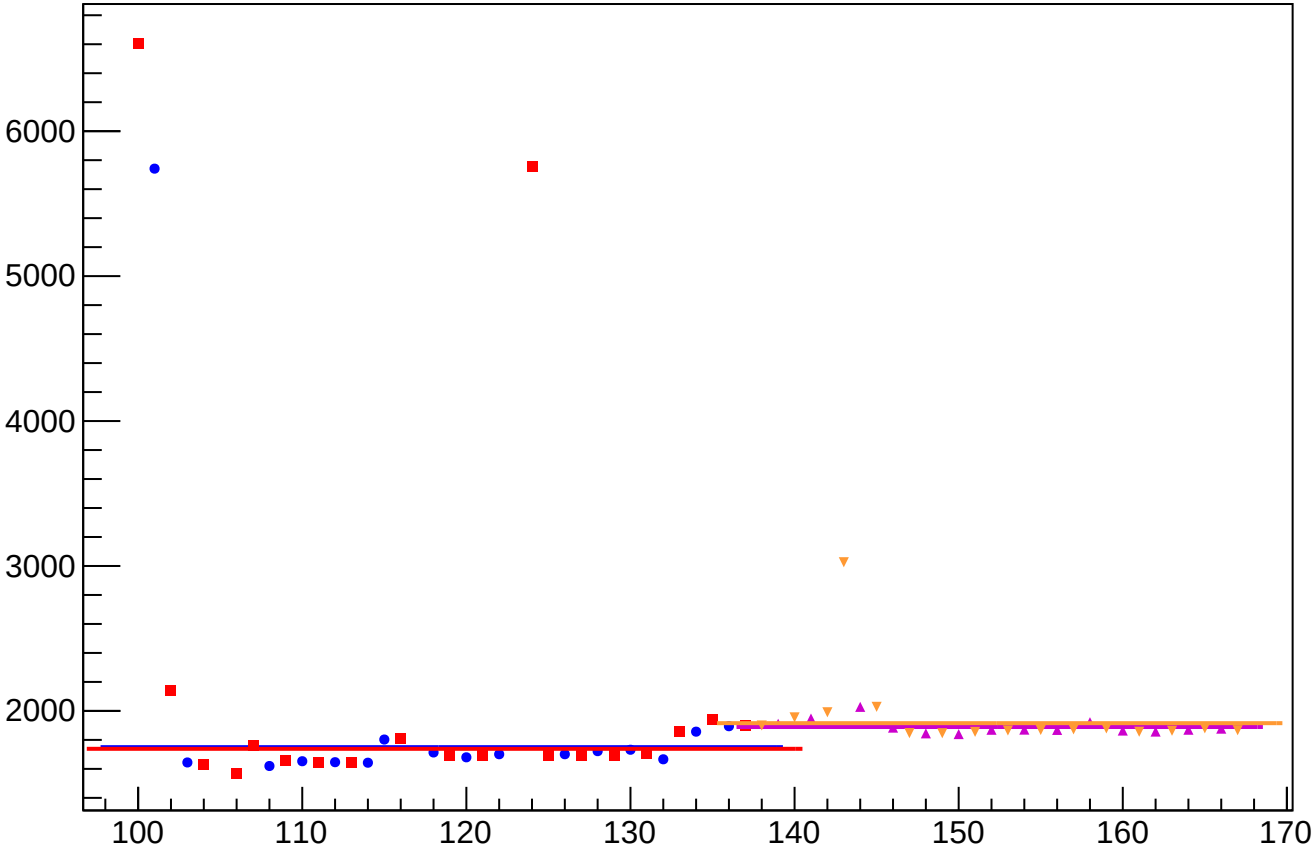
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -97.229+/-427.126 χ^2/NDF:31.6/29

Out: 671.444+/-417.353 χ^2/NDF:44.8/34

All: 296.003+/-298.508 χ^2/NDF: 78.0/64

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1915.421+/-0.383 χ^2/NDF:241644.0/15

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1889.051+/-0.393 χ^2/NDF:14460.5/13

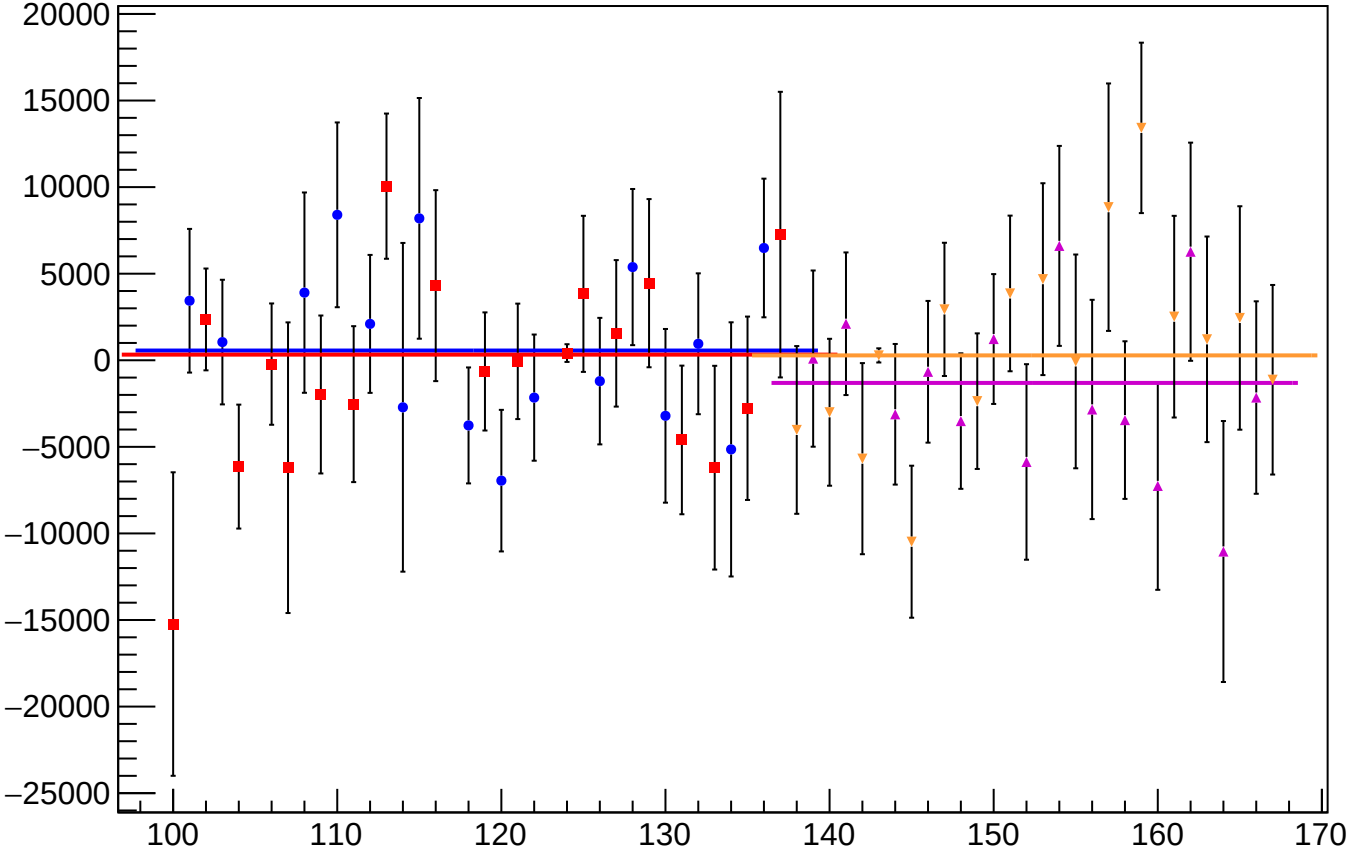
Left: 1902.590+/-0.274 χ^2/NDF: 258413.6/29

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1831.979+/-0.302 χ^2/NDF:735412.3/29

Out: 1843.018+/-0.294 χ^2/NDF:633556.2/34

All: 1837.643+/-0.211 χ^2/NDF: 1369654.0/64



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 282.015+/-389.980 χ^2/NDF:19.7/15

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -1308.040+/-1299.821 χ^2/NDF:8.7/13

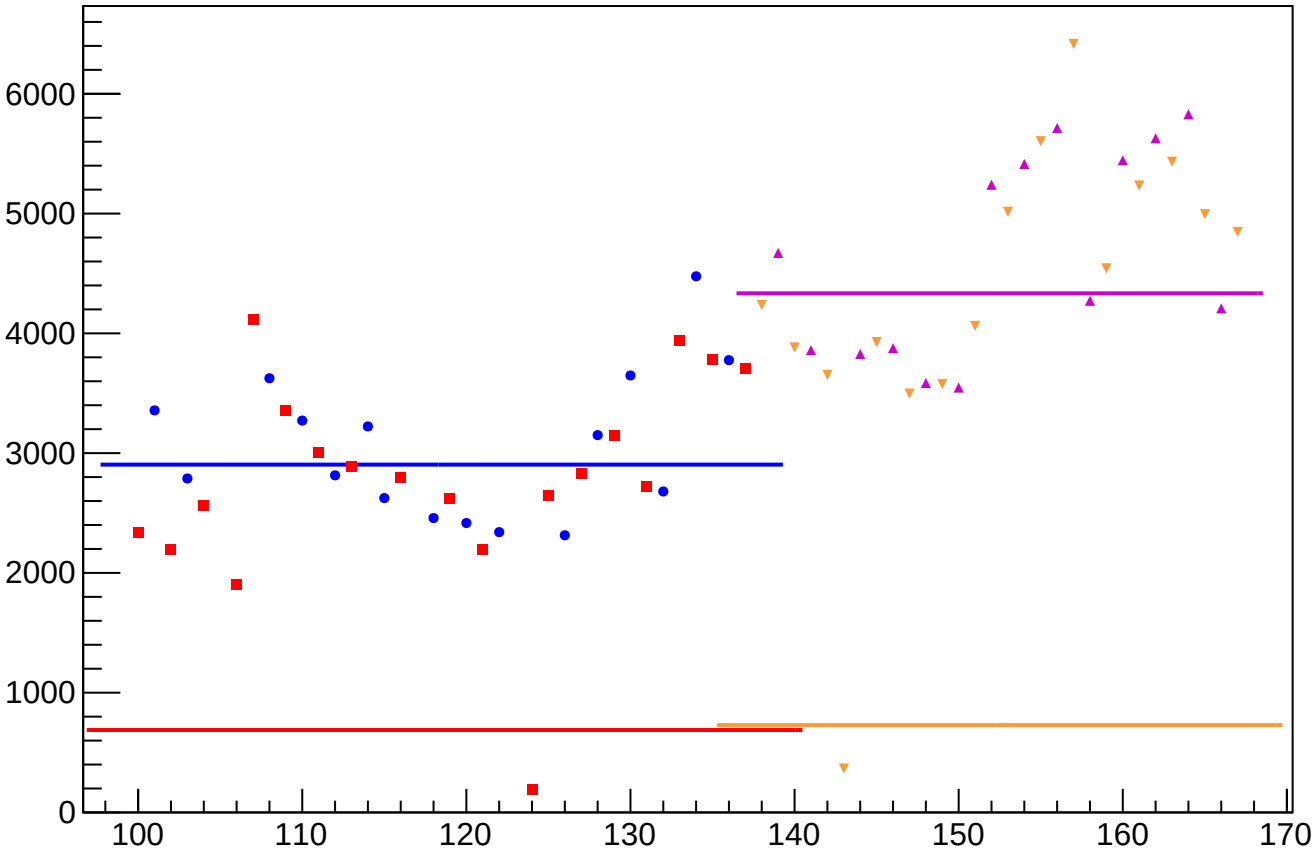
Left: 150.705+/-373.530 χ^2/NDF: 29.7/29

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -219.147+/-840.193 χ^2/NDF:24.7/29

Out: 300.322+/-296.909 χ^2/NDF:38.9/34

All: 242.653+/-279.944 χ^2/NDF: 64.0/64



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 729.380+/-0.276 χ^2/NDF:17907030.3/15

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4334.352+/-0.919 χ^2/NDF:702507.9/13

Left: 1027.086+/-0.264 χ^2/NDF: 32723023.5/29

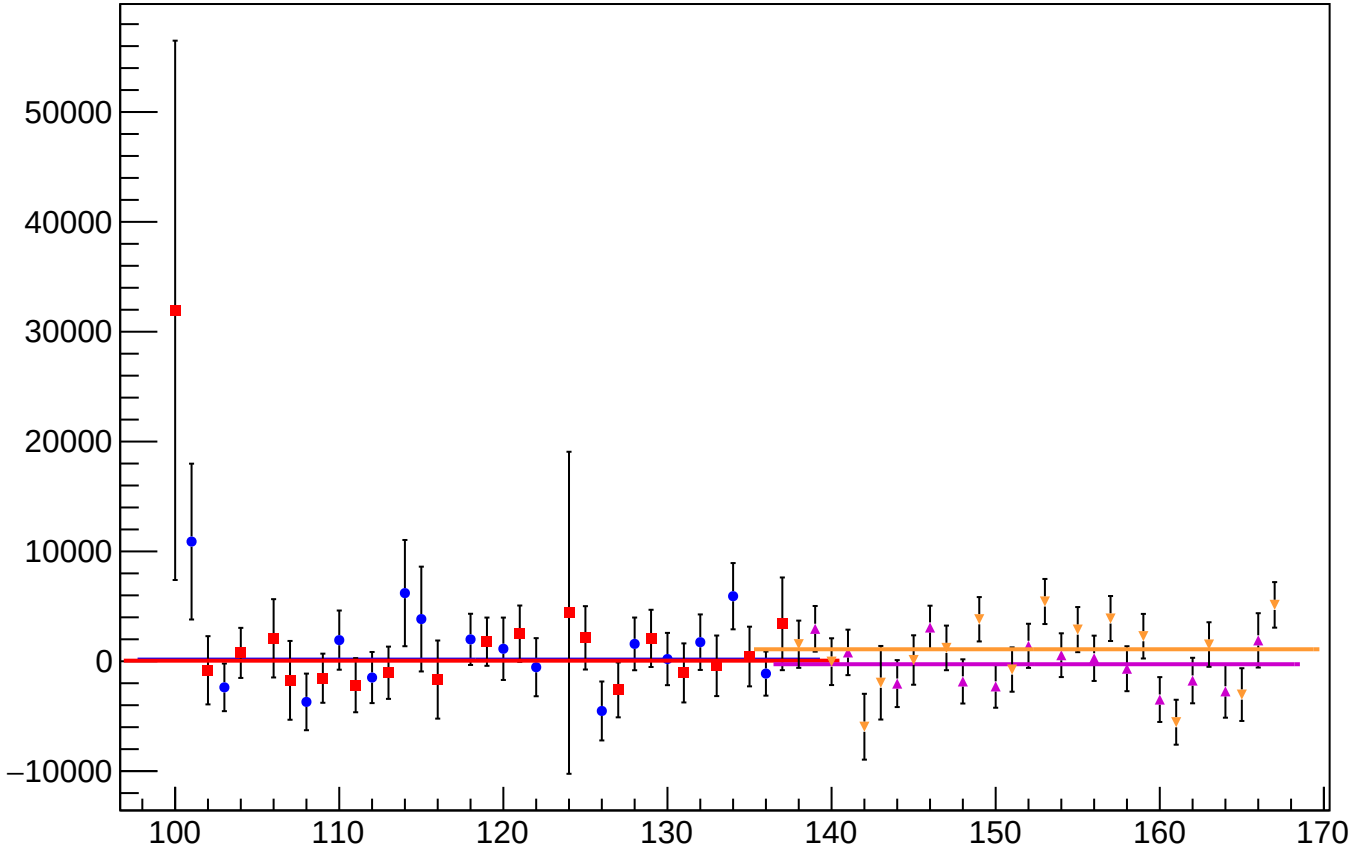
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3501.668+/-0.594 χ^2/NDF:2592118.7/29

Out: 712.120+/-0.210 χ^2/NDF:28065264.5/34

All: 1021.803+/-0.198 χ^2/NDF: 50256356.4/6

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1092.792+/-541.363 χ^2/NDF:34.4/15

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -269.614+/-556.088 χ^2/NDF:13.7/13

Left: 429.866+/-387.903 χ^2/NDF: 51.1/29

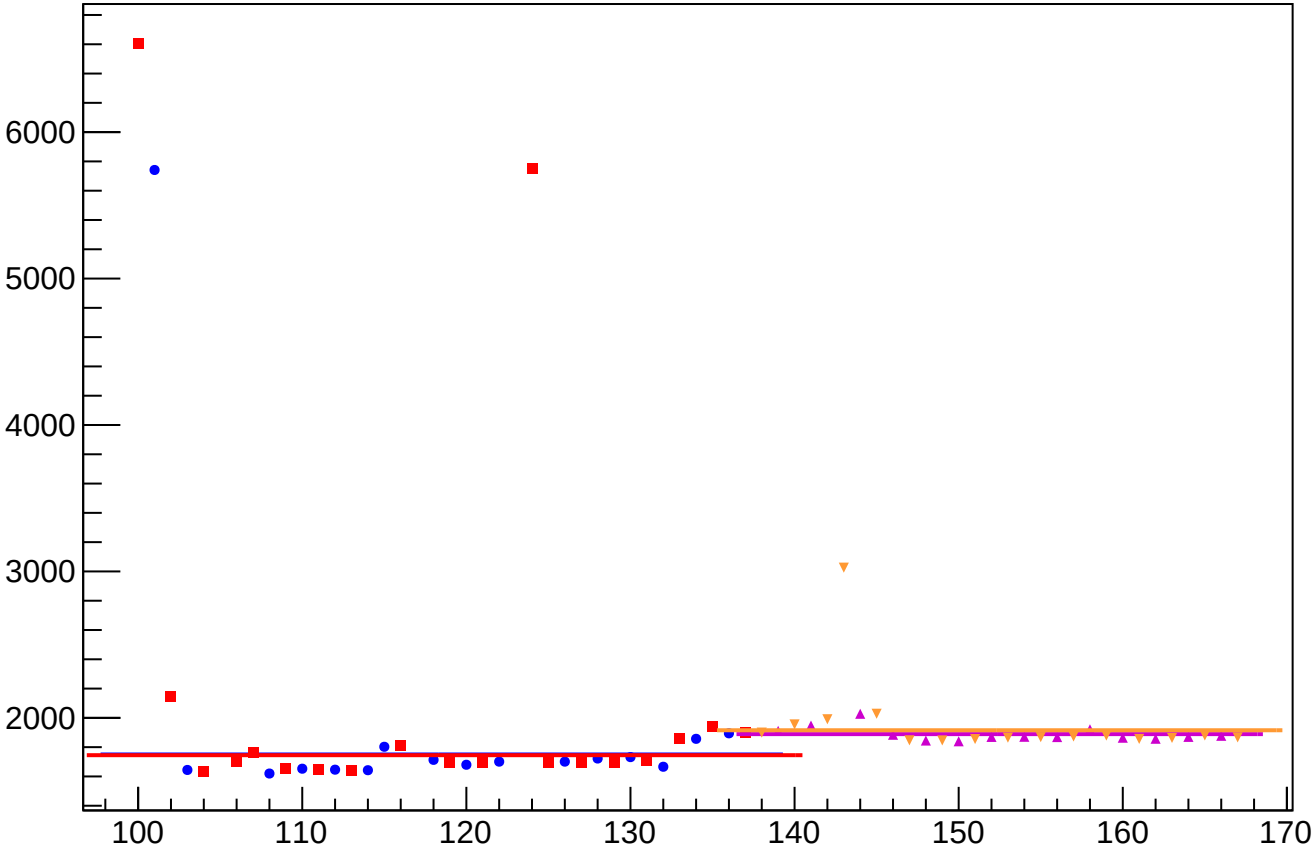
Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -97.453+/-427.126 χ^2/NDF:31.6/29

Out: 671.451+/-417.353 χ^2/NDF:44.8/34

All: 295.897+/-298.508 χ^2/NDF: 78.0/64

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1915.421+/-0.383 χ^2/NDF:241644.0/15

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1889.051+/-0.393 χ^2/NDF:14460.5/13

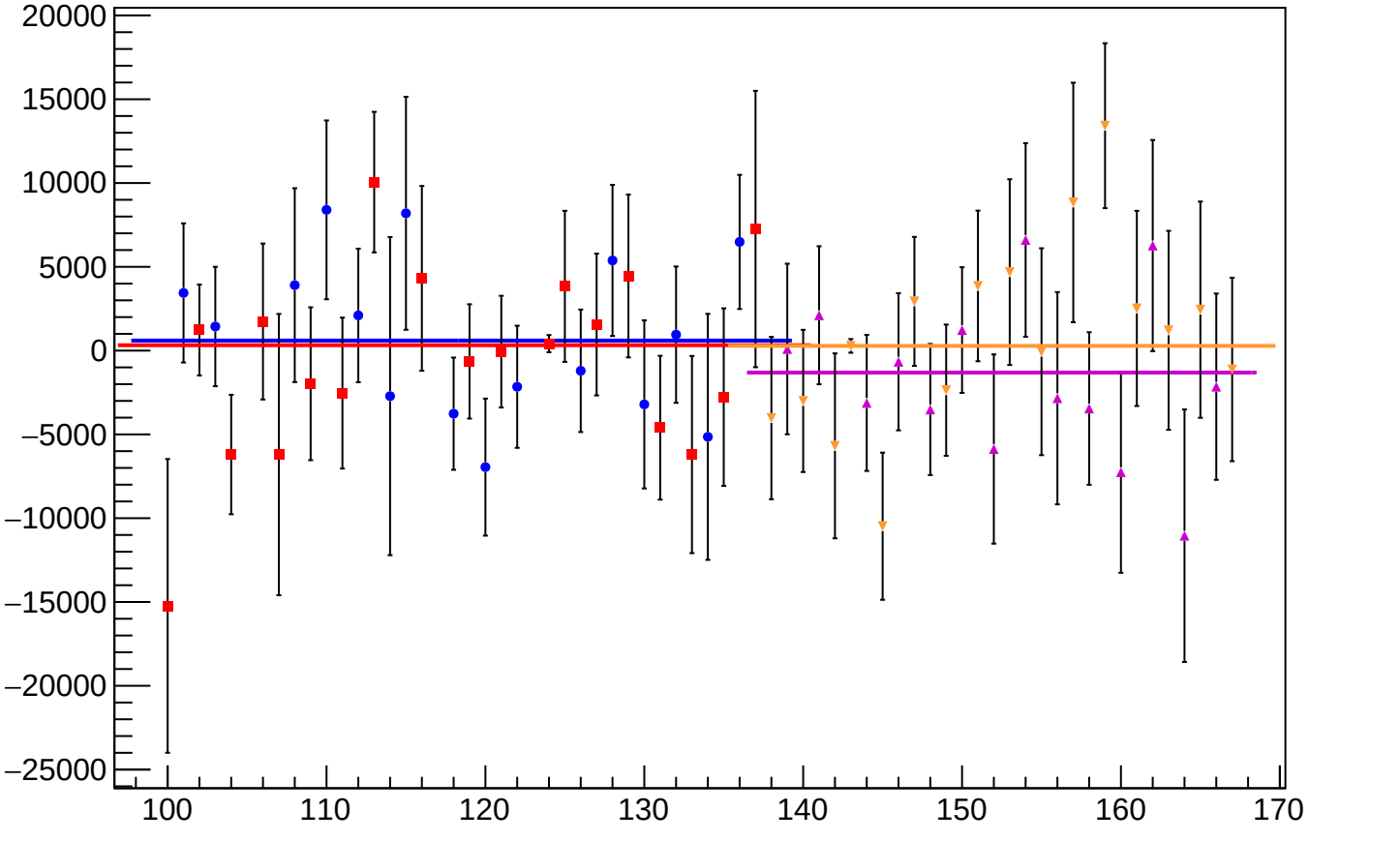
Left: 1902.590+/-0.274 χ^2/NDF: 258413.6/29

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1831.979+/-0.302 χ^2/NDF:735412.8/29

Out: 1846.056+/-0.295 χ^2/NDF:620205.6/34

All: 1839.191+/-0.211 χ^2/NDF: 1356731.3/64



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.972+/-390.012 χ^2/NDF:19.7/15

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1308.132+/-1299.818 χ^2/NDF:8.7/13

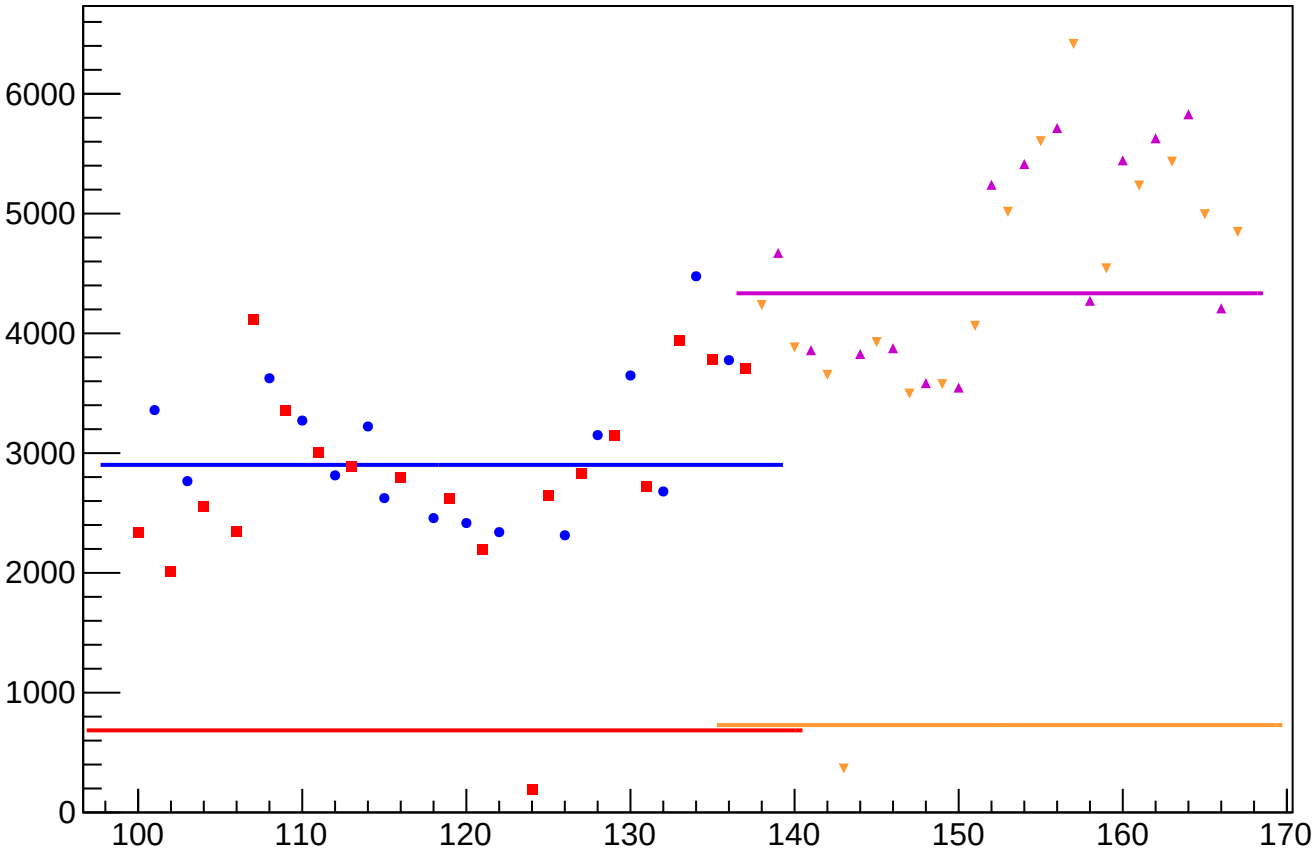
Left: 151.556+/-373.558 χ^2/NDF: 29.8/29

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -196.269+/-839.732 χ^2/NDF:24.8/29

Out: 299.829+/-297.172 χ^2/NDF:38.7/34

All: 244.614+/-280.147 χ^2/NDF: 63.8/64



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 729.476+/-0.276 χ^2/NDF:17906398.5/15

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4334.344+/-0.919 χ^2/NDF:702521.2/13

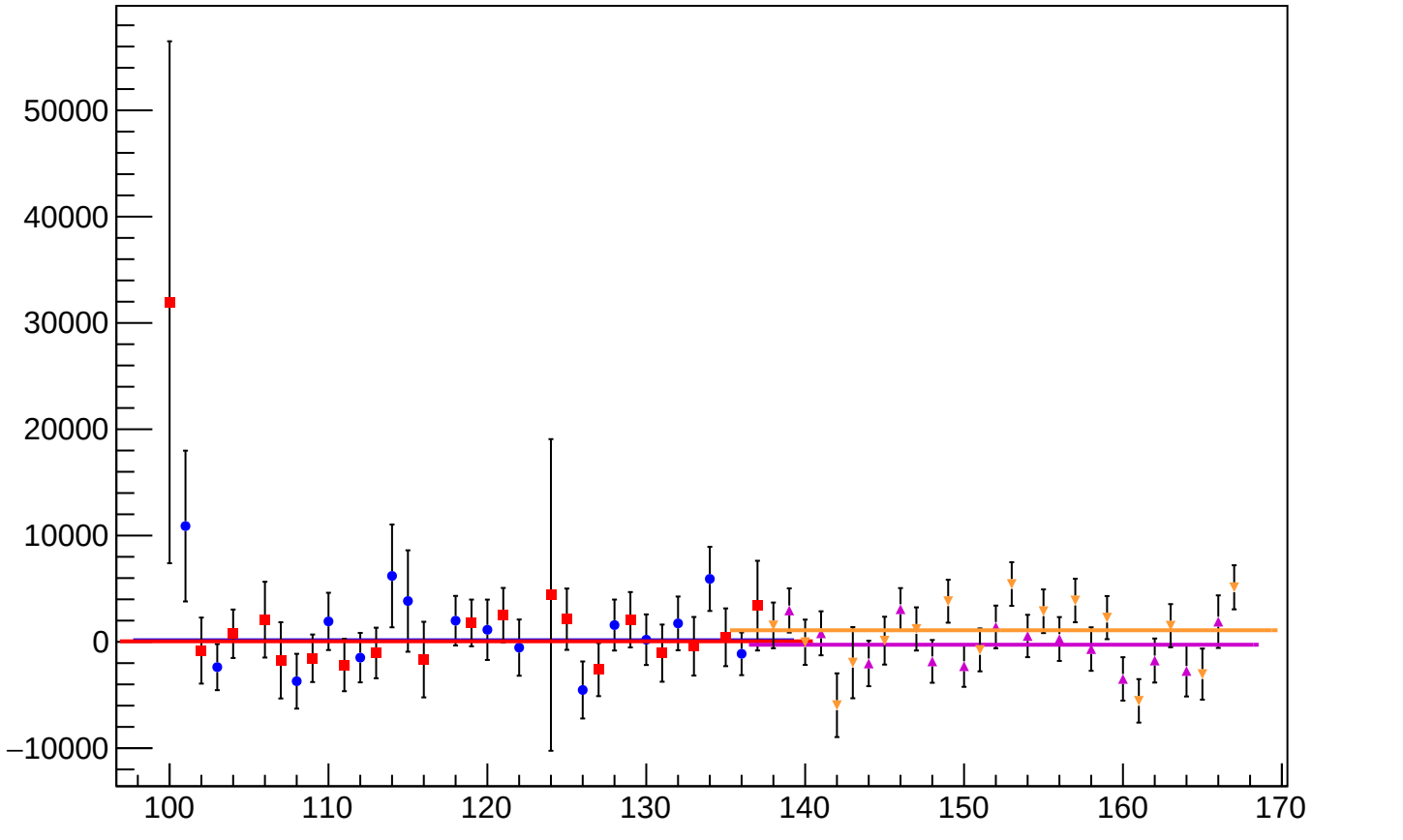
Left: 1027.218+/-0.264 χ^2/NDF: 32721446.0/29

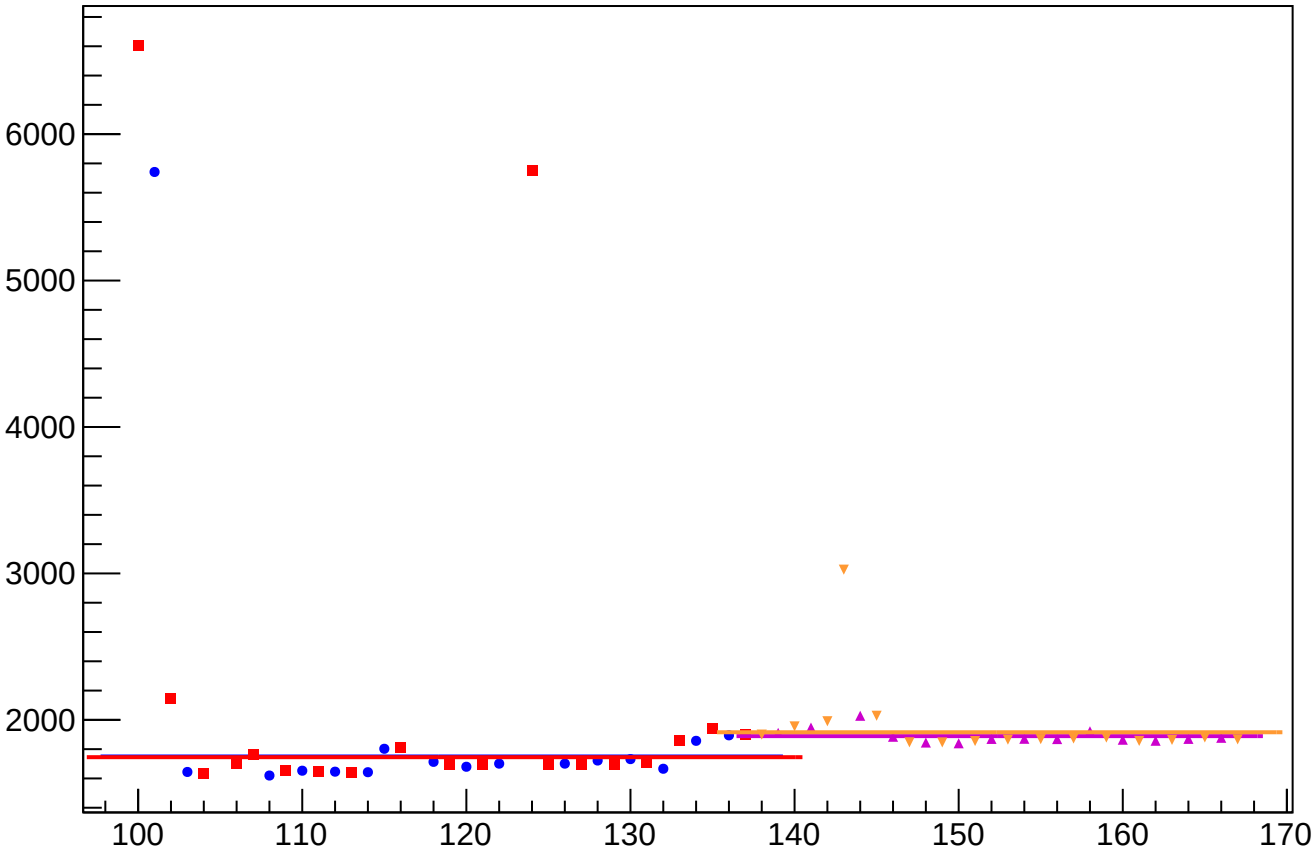
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3499.729+/-0.594 χ^2/NDF:2598729.0/29

Out: 710.930+/-0.210 χ^2/NDF:28022979.2/34

All: 1021.319+/-0.198 χ^2/NDF: 50225463.0/6


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 1092.792+/-541.363 χ²/NDF:34.4/15
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: -269.614+/-556.088 χ²/NDF:13.7/13
Left: 429.866+/-387.903 χ²/NDF: 51.1/29
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: -97.453+/-427.126 χ²/NDF:31.6/29
Out: 671.451+/-417.353 χ²/NDF:44.8/34
All: 295.897+/-298.508 χ²/NDF: 78.0/64



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1915.421+/-0.383 χ^2/NDF:241644.0/15

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1889.051+/-0.393 χ^2/NDF:14460.5/13

Left: 1902.590+/-0.274 χ^2/NDF: 258413.6/29

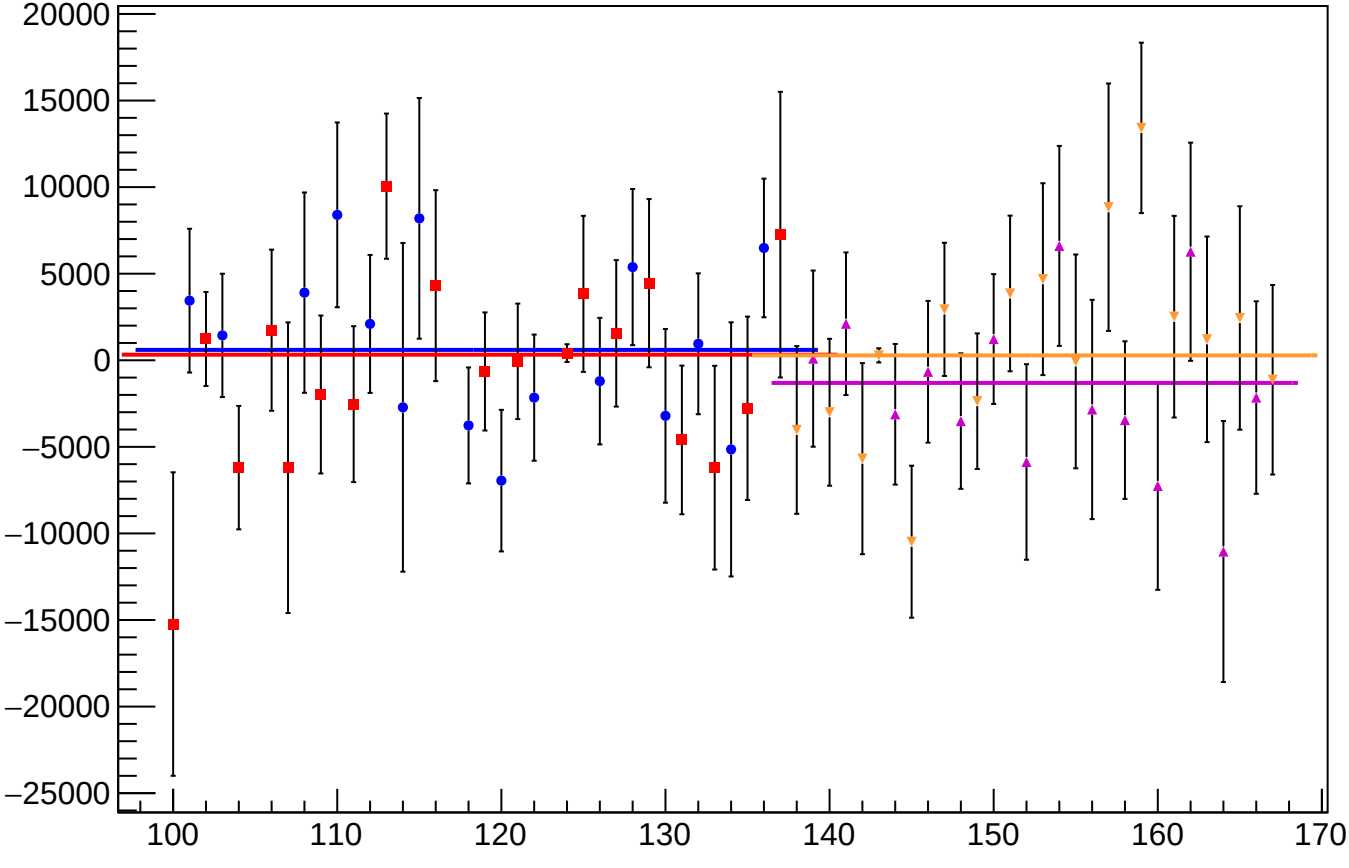
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1831.979+/-0.302 χ^2/NDF:735412.8/29

Out: 1846.056+/-0.295 χ^2/NDF:620205.6/34

All: 1839.191+/-0.211 χ^2/NDF: 1356731.3/64

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.972+/-390.012 χ^2/NDF:19.7/15

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1308.132+/-1299.818 χ^2/NDF:8.7/13

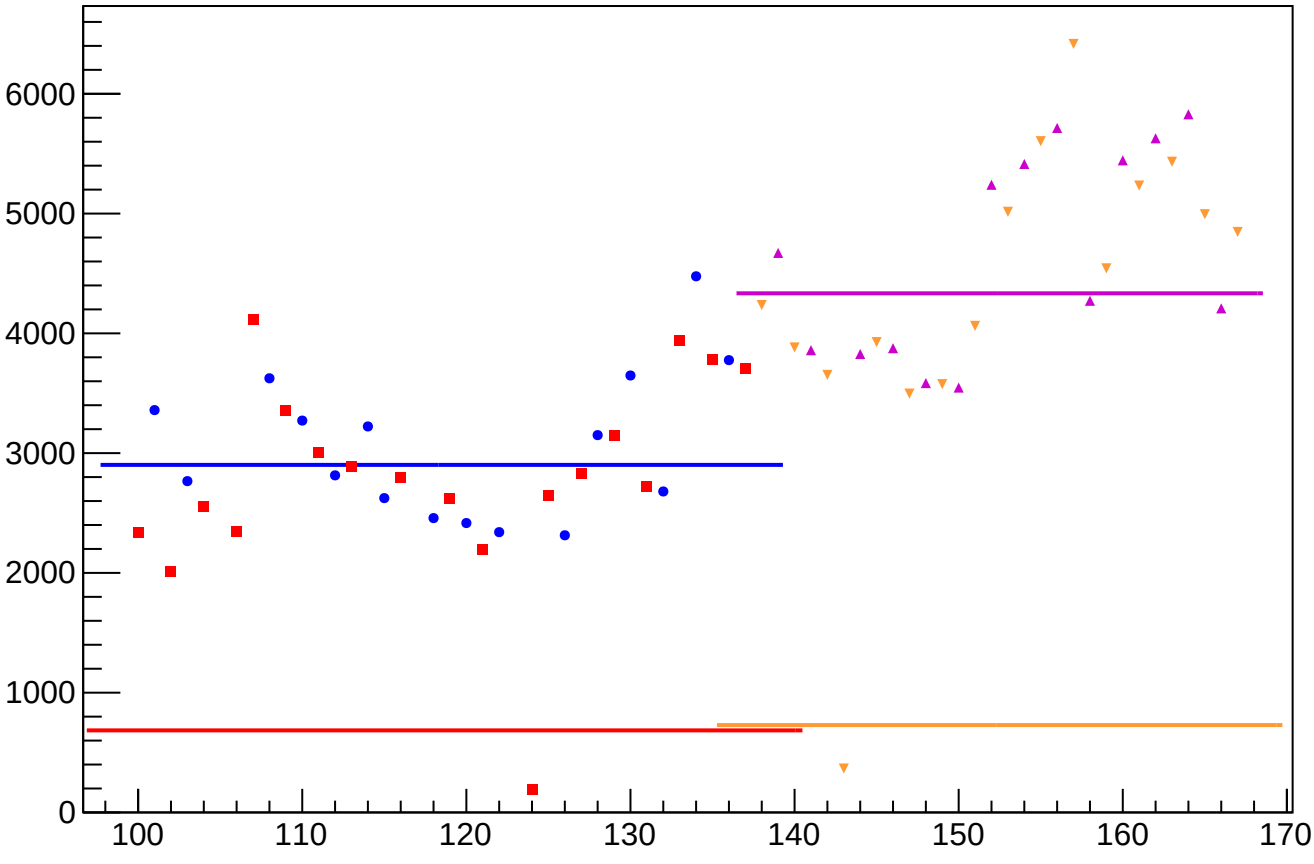
Left: 151.556+/-373.558 χ^2/NDF: 29.8/29

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -196.269+/-839.732 χ^2/NDF:24.8/29

Out: 299.829+/-297.172 χ^2/NDF:38.7/34

All: 244.614+/-280.147 χ^2/NDF: 63.8/64



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 729.476+/-0.276 χ^2/NDF:17906398.5/15

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4334.344+/-0.919 χ^2/NDF:702521.2/13

Left: 1027.218+/-0.264 χ^2/NDF: 32721446.0/29

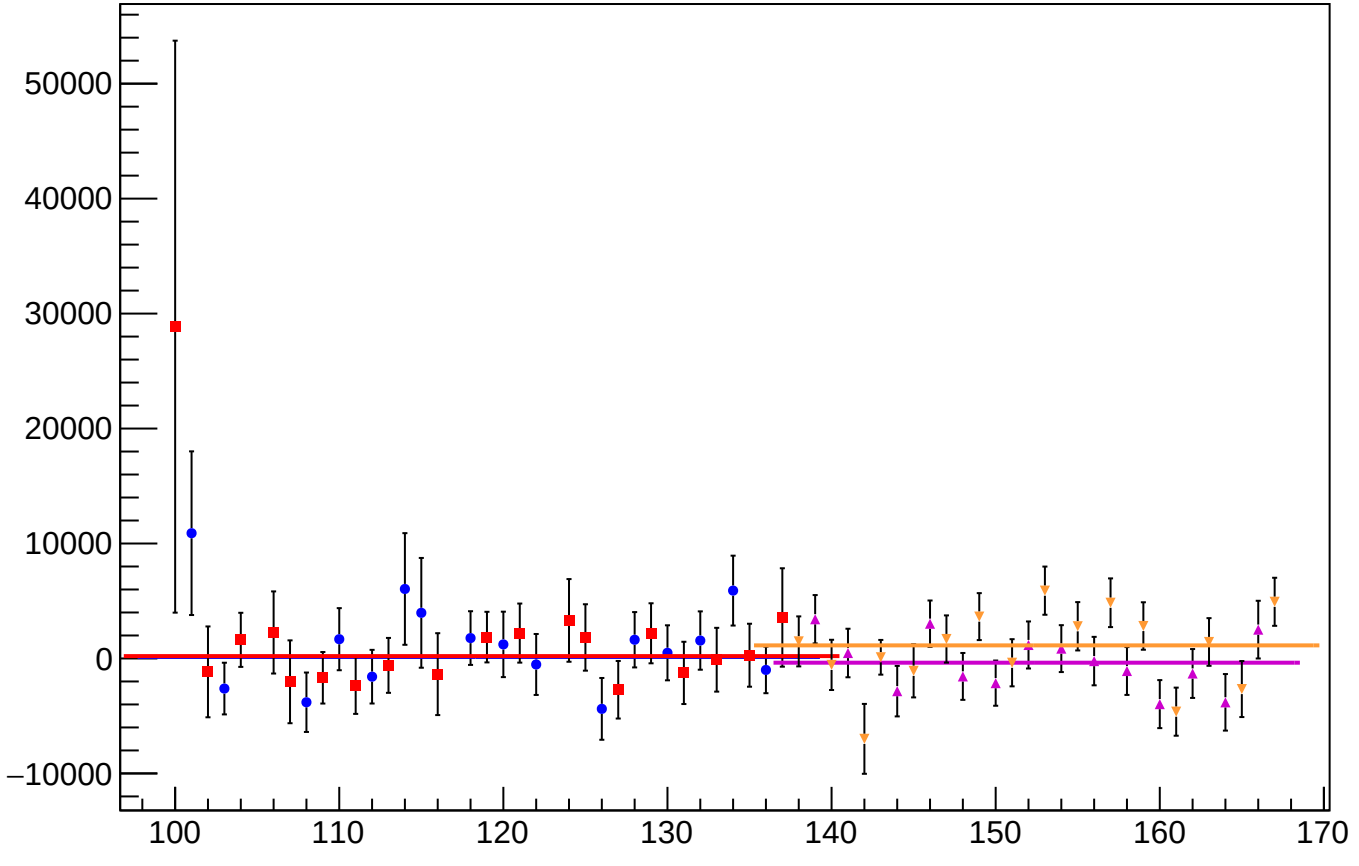
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3499.729+/-0.594 χ^2/NDF:2598729.0/29

Out: 710.930+/-0.210 χ^2/NDF:28022979.2/34

All: 1021.319+/-0.198 χ^2/NDF: 50225463.0/6

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1139.128+/-524.170 χ^2/NDF:34.1/15

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -367.922+/-566.848 χ^2/NDF:16.1/13

Left: 444.465+/-384.848 χ^2/NDF: 54.1/29

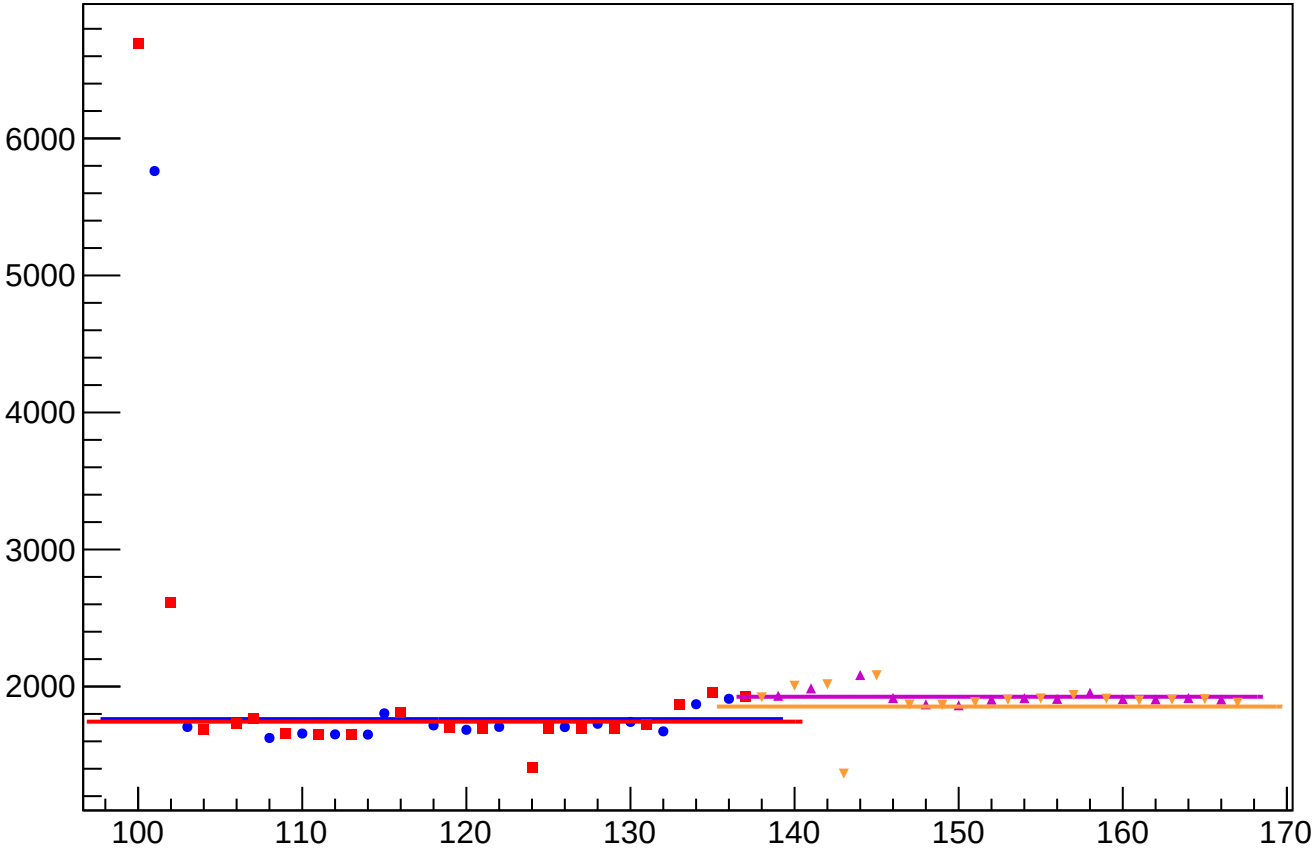
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -159.189+/-433.183 χ^2/NDF:33.8/29

Out: 774.234+/-409.121 χ^2/NDF:45.1/34

All: 334.167+/-297.435 χ^2/NDF: 81.3/64

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1853.820+/-0.371 χ^2/NDF:258539.5/15

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1925.427+/-0.401 χ^2/NDF:16846.5/13

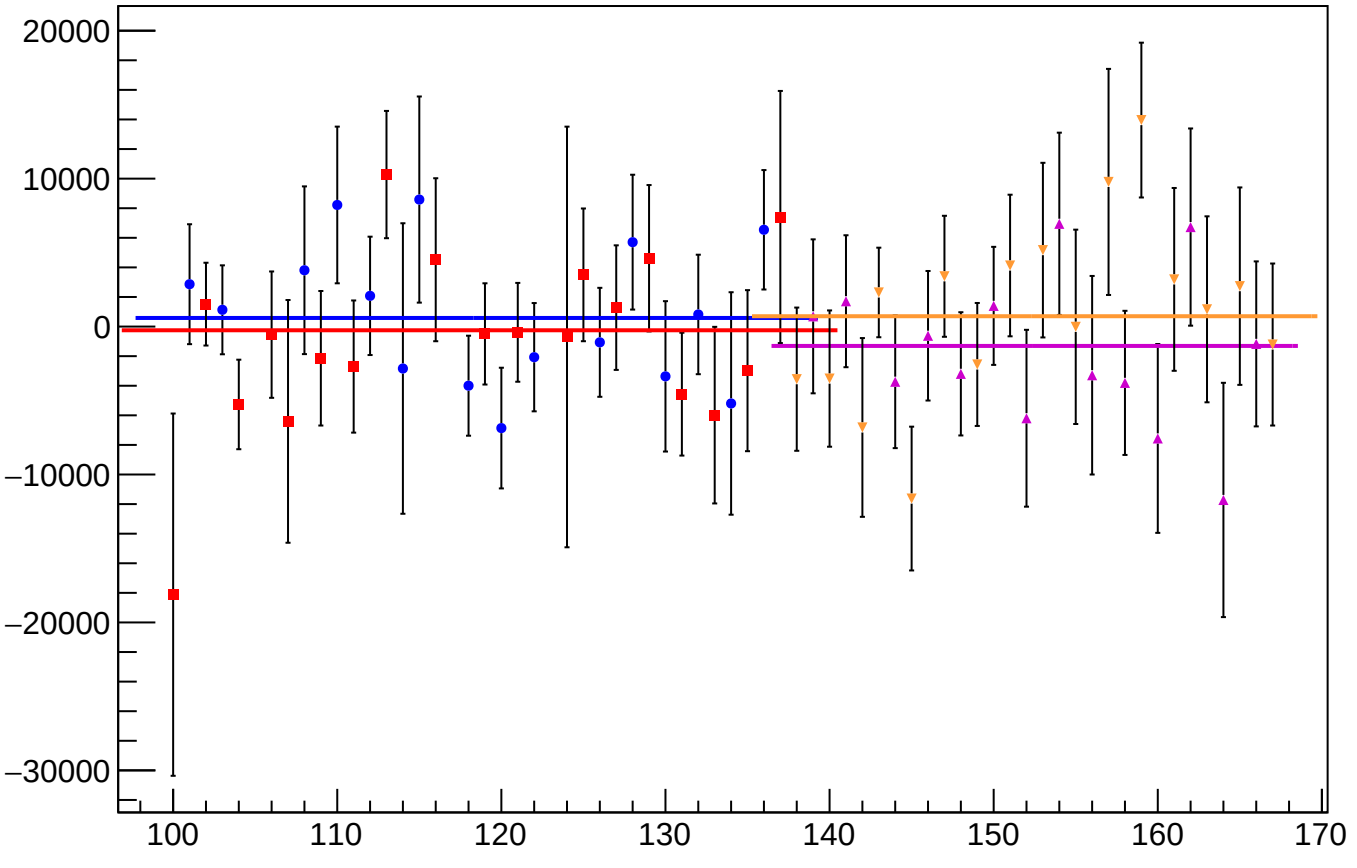
Left: 1886.827+/-0.272 χ^2/NDF: 292590.9/29

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1857.463+/-0.306 χ^2/NDF:753657.2/29

Out: 1810.642+/-0.289 χ^2/NDF:520904.6/34

All: 1832.690+/-0.210 χ^2/NDF: 1286924.2/64



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 699.166+/-1247.210 χ^2/NDF:20.2/15

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -1308.539+/-1382.348 χ^2/NDF:8.5/13

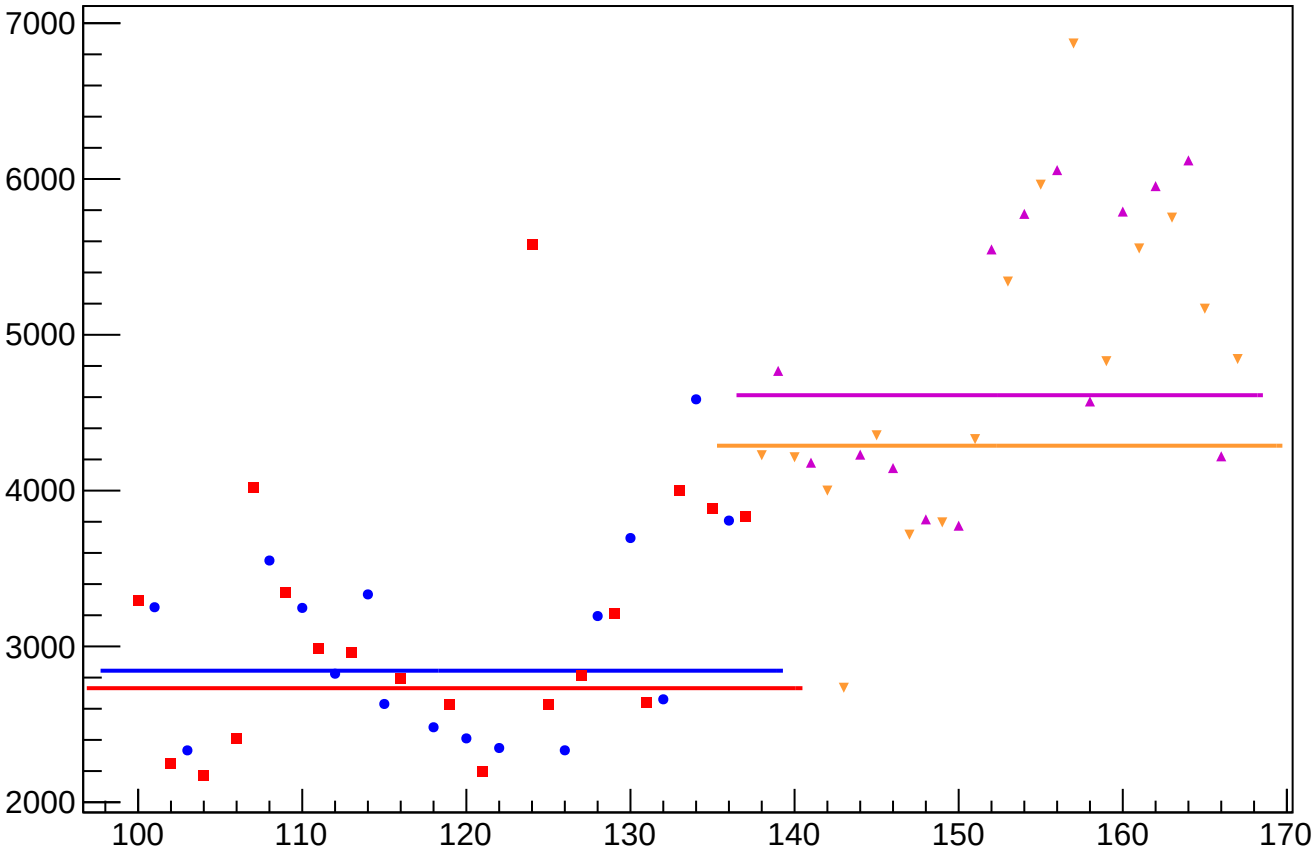
Left: -201.778+/-926.012 χ^2/NDF: 29.9/29

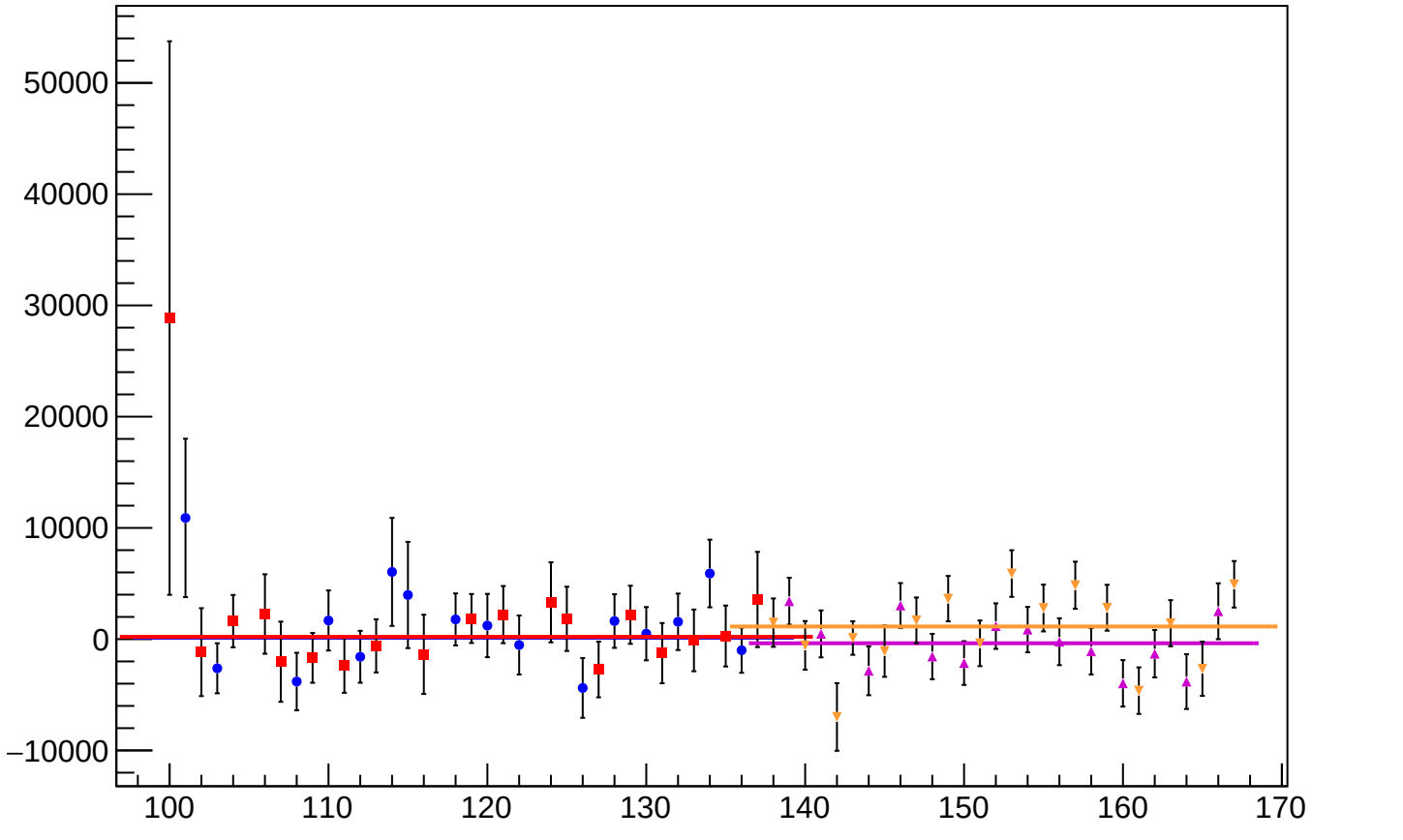
Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

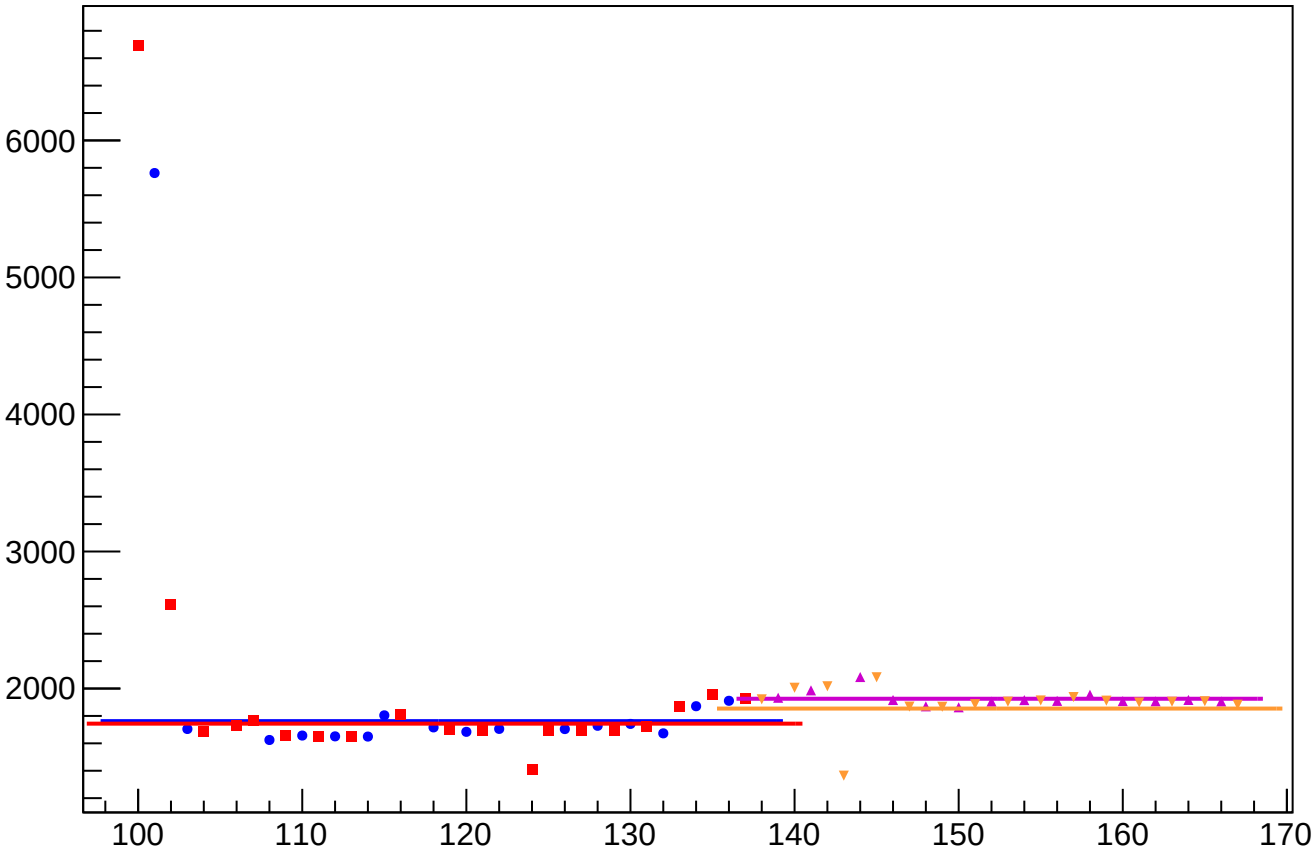
In: -135.662+/-851.778 χ^2/NDF:24.6/29

Out: 130.726+/-790.044 χ^2/NDF:38.5/34

All: 7.534+/-579.242 χ^2/NDF: 63.1/64


asym_atr1l2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 2844.153+/-0.765 χ²/NDF: 542032.5/15
Left Out: 4288.230+/-0.882 χ²/NDF:1291067.1/15
Right Out: 2731.978+/-0.722 χ²/NDF: 611275.1/18
Left In: 4612.303+/-0.977 χ²/NDF:664040.1/13
Left: 4433.655+/-0.655 χ²/NDF: 2015701.8/29
Right: 2784.841+/-0.525 χ²/NDF: 1164684.5/34
In: 3515.485+/-0.602 χ²/NDF:3235852.1/29
Out: 3356.435+/-0.559 χ²/NDF:3766792.8/34
All: 3429.988+/-0.410 χ²/NDF: 7040130.1/64


eigen_dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 133.837+/-671.621 χ²/NDF: 17.3/15
Left Out: 1139.130+/-524.170 χ²/NDF:34.1/15
Right Out: 205.422+/-654.444 χ²/NDF: 9.7/18
Left In: -367.924+/-566.848 χ²/NDF:16.1/13
Left: 444.465+/-384.849 χ²/NDF: 54.1/29
Right: 170.557+/-468.717 χ²/NDF: 27.0/34
In: -159.191+/-433.184 χ²/NDF:33.8/29
Out: 774.235+/-409.121 χ²/NDF:45.1/34
All: 334.167+/-297.435 χ²/NDF: 81.3/64



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1853.821+/-0.371 χ^2/NDF:258540.8/15

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1925.428+/-0.401 χ^2/NDF:16846.6/13

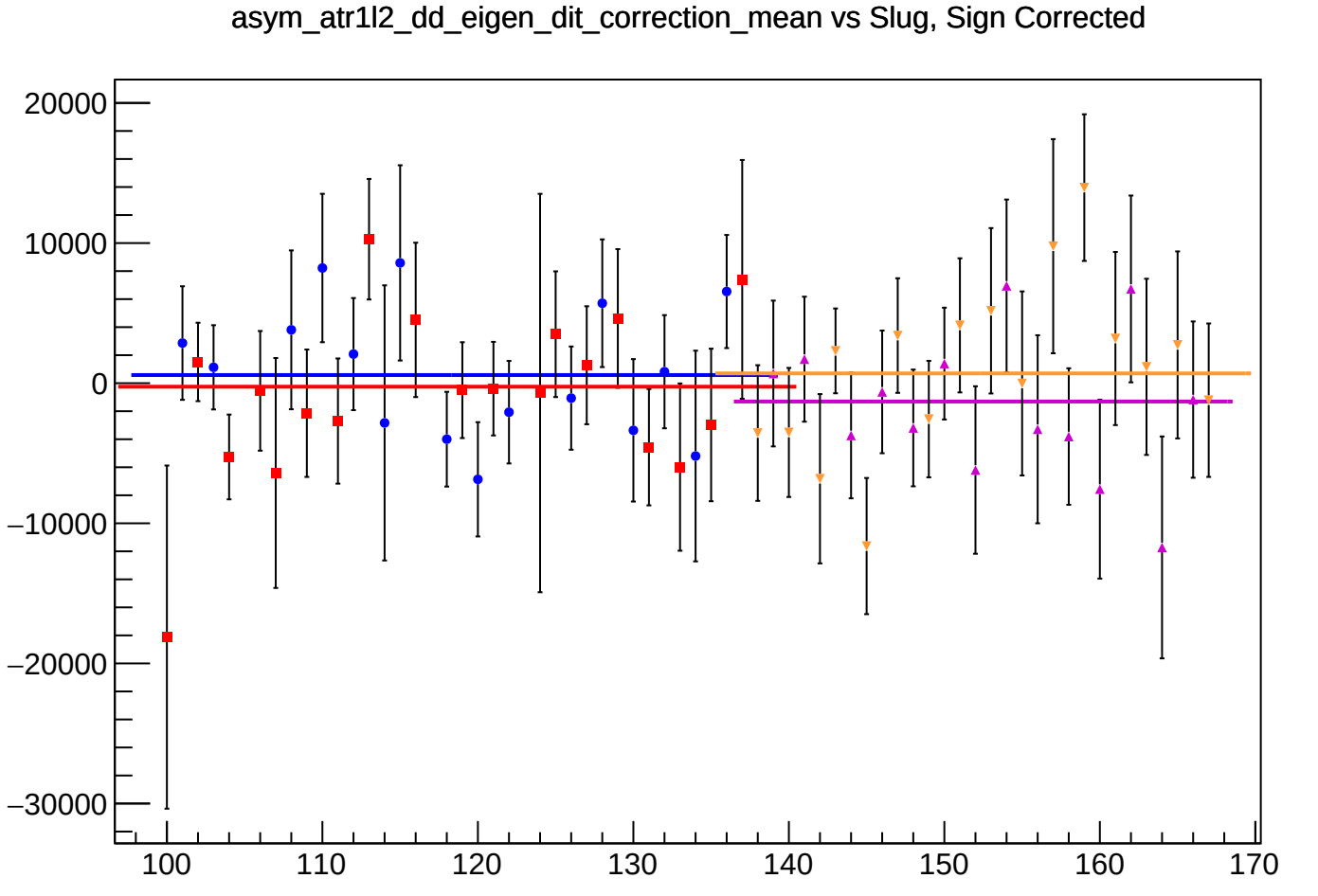
Left: 1886.828+/-0.272 χ^2/NDF: 292592.4/29

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1857.463+/-0.306 χ^2/NDF:753658.3/29

Out: 1810.643+/-0.289 χ^2/NDF:520906.4/34

All: 1832.690+/-0.210 χ^2/NDF: 1286927.1/64



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 699.171+/-1247.212 χ^2/NDF:20.2/15

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -1308.539+/-1382.350 χ^2/NDF:8.5/13

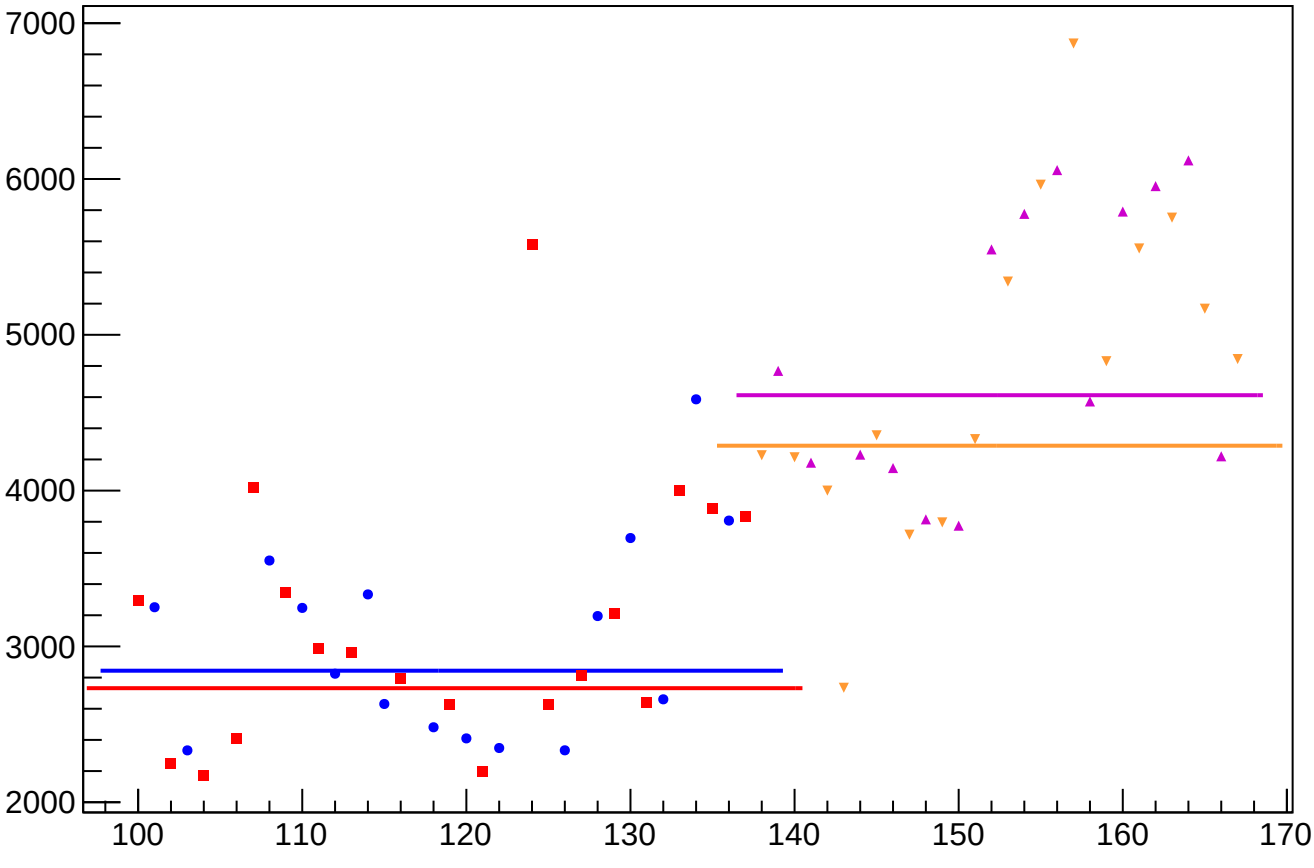
Left: -201.776+/-926.013 χ^2/NDF: 29.9/29

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: -135.662+/-851.777 χ^2/NDF:24.6/29

Out: 130.725+/-790.043 χ^2/NDF:38.5/34

All: 7.534+/-579.241 χ^2/NDF: 63.1/64



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4288.235+/-0.882 χ^2/NDF:1291073.5/15

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4612.309+/-0.977 χ^2/NDF:664042.7/13

Left: 4433.661+/-0.655 χ^2/NDF: 2015711.2/29

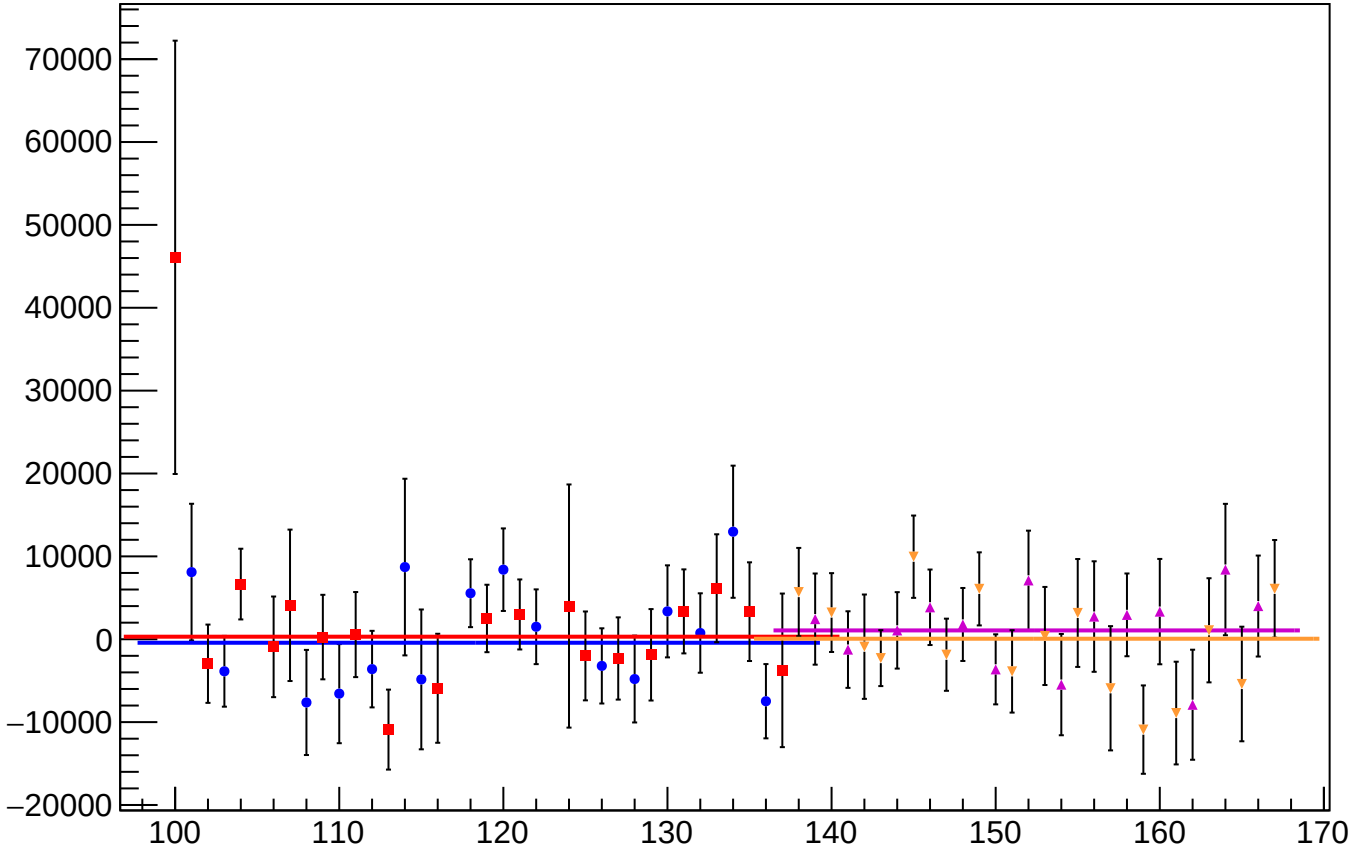
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3515.479+/-0.602 χ^2/NDF:3235890.9/29

Out: 3356.431+/-0.559 χ^2/NDF:3766822.3/34

All: 3429.983+/-0.410 χ^2/NDF: 7040197.7/64

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 61.634+/-1308.772 χ^2/NDF:17.6/15

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 1065.837+/-1428.490 χ^2/NDF:7.4/13

Left: 519.899+/-964.995 χ^2/NDF: 25.2/29

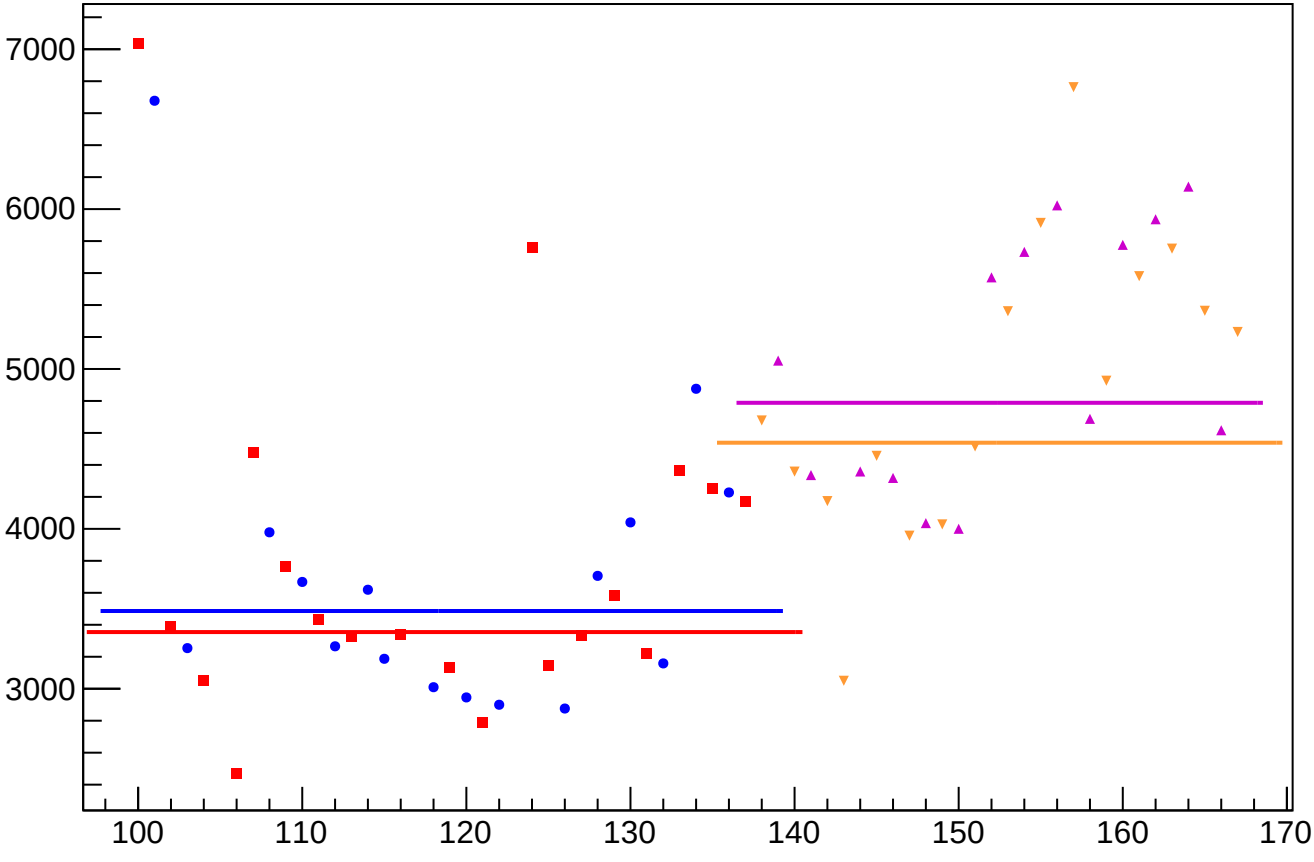
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 266.730+/-972.334 χ^2/NDF:25.8/29

Out: 187.877+/-913.531 χ^2/NDF:32.9/34

All: 224.847+/-665.782 χ^2/NDF: 58.7/64

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4538.827+/-0.925 χ^2/NDF:964990.4/15

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4788.464+/-1.010 χ^2/NDF:509462.1/13

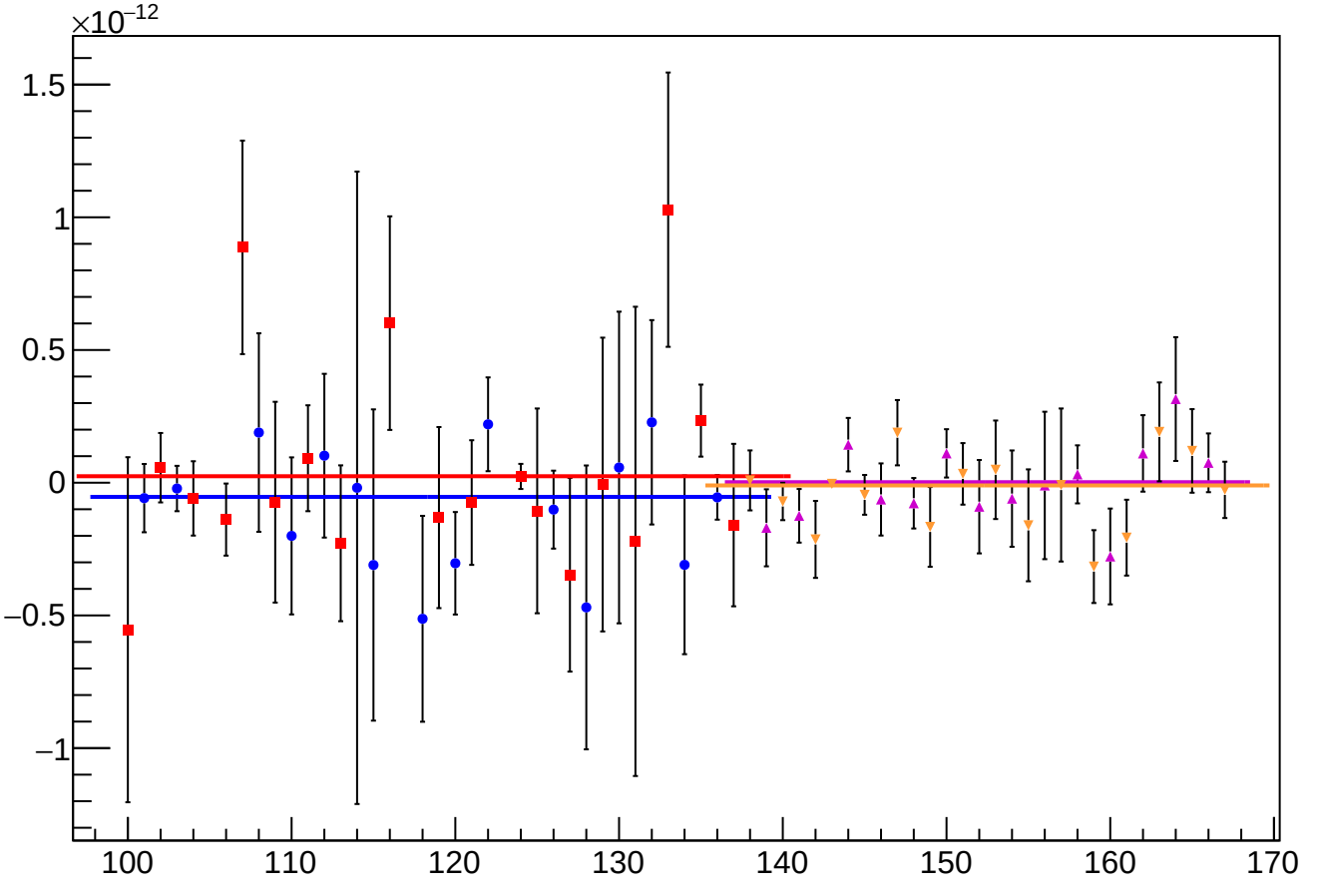
Left: 4652.748+/-0.682 χ^2/NDF: 1507658.4/29

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4089.539+/-0.688 χ^2/NDF:1997358.7/29

Out: 3923.177+/-0.641 χ^2/NDF:2192819.2/34

All: 4000.575+/-0.469 χ^2/NDF: 4221486.9/64



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/13

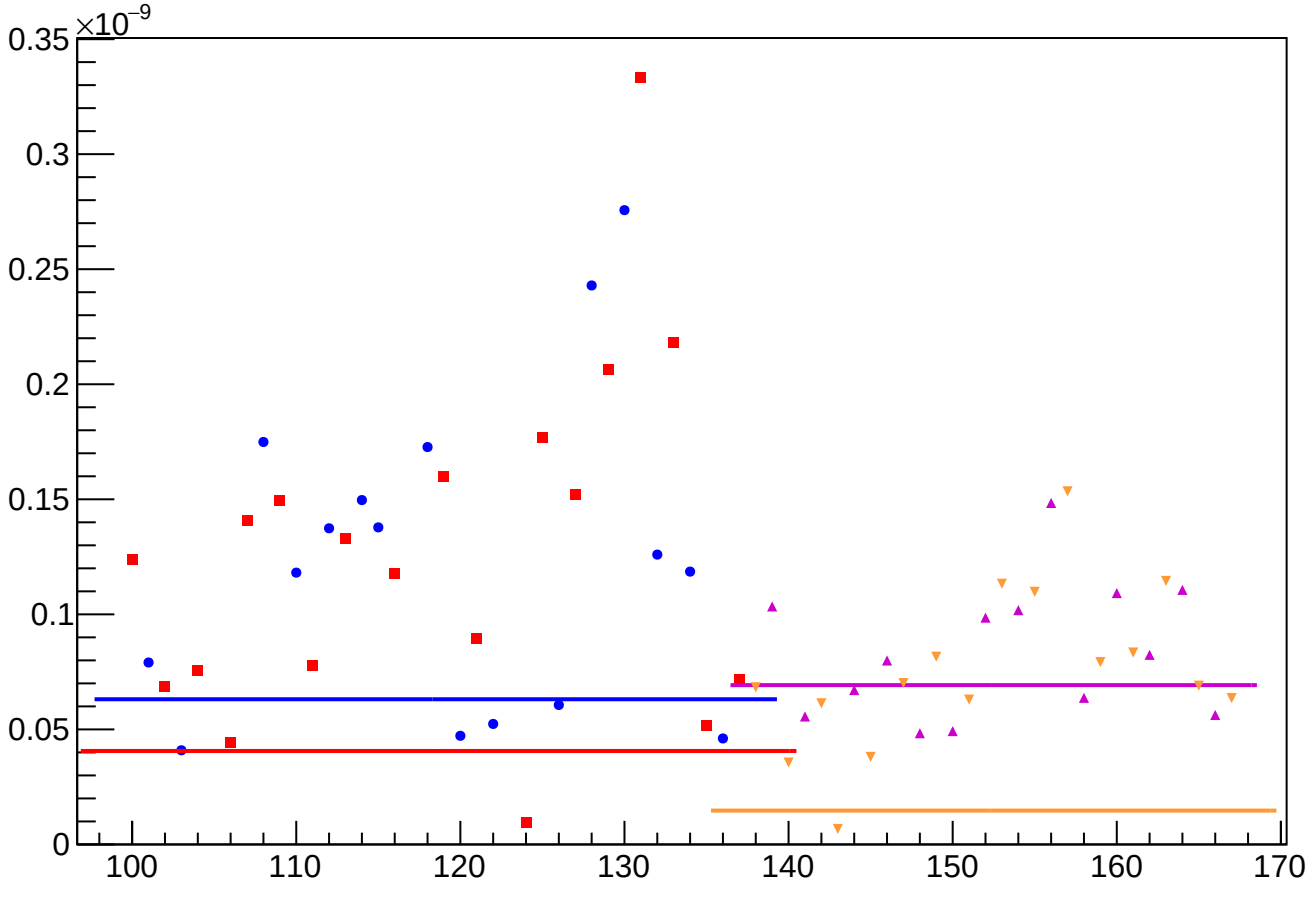
Left: -0.000+/-0.000 χ^2/NDF: 29.4/29

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:22.5/29

Out: -0.000+/-0.000 χ^2/NDF:35.6/34

All: -0.000+/-0.000 χ^2/NDF: 58.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6511533.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:846952.7/13

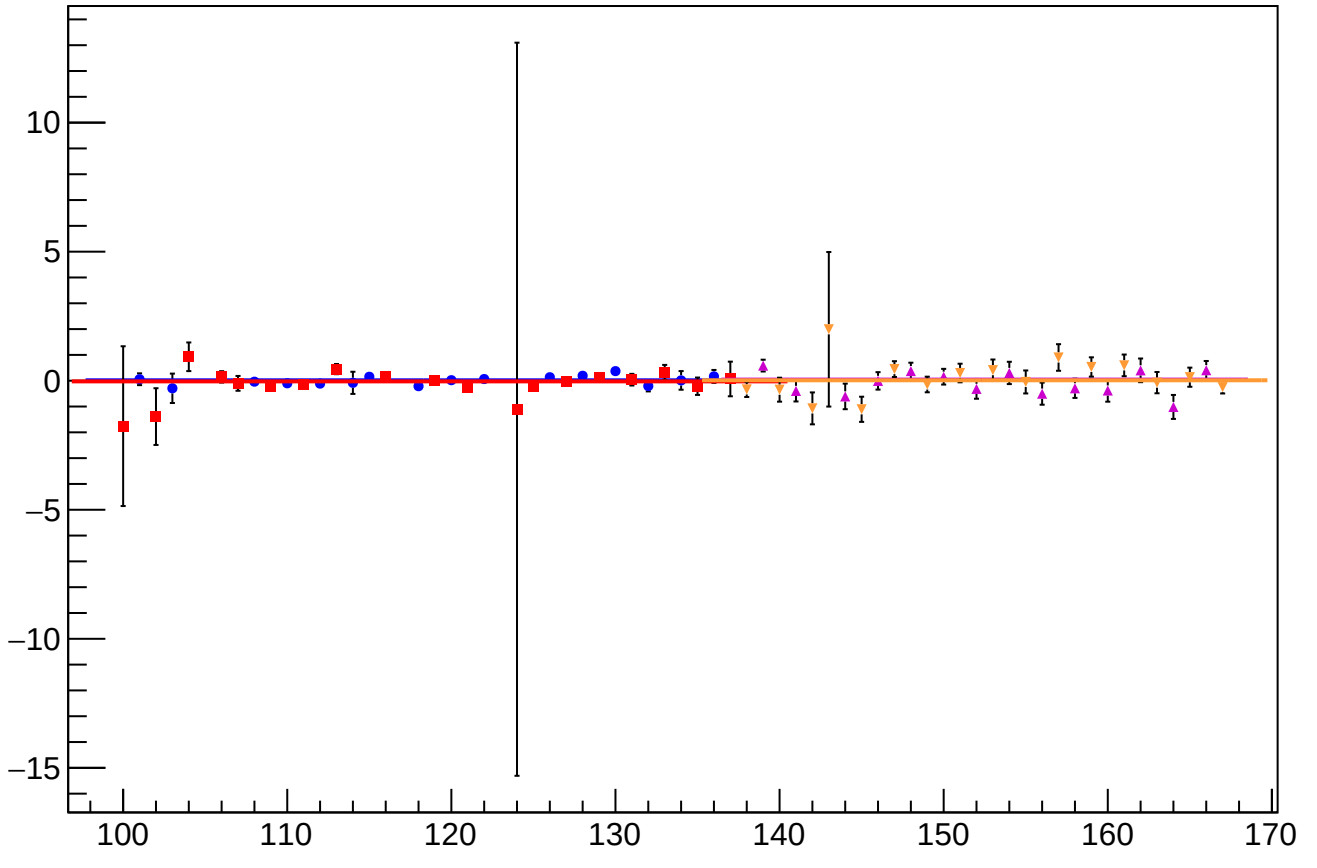
Left: 0.000+/-0.000 χ^2/NDF: 11949451.2/29

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2303075.9/29

Out: 0.000+/-0.000 χ^2/NDF:10629400.5/34

All: 0.000+/-0.000 χ^2/NDF: 18691974.1/64



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.043+/-0.097 χ^2/NDF:21.2/13

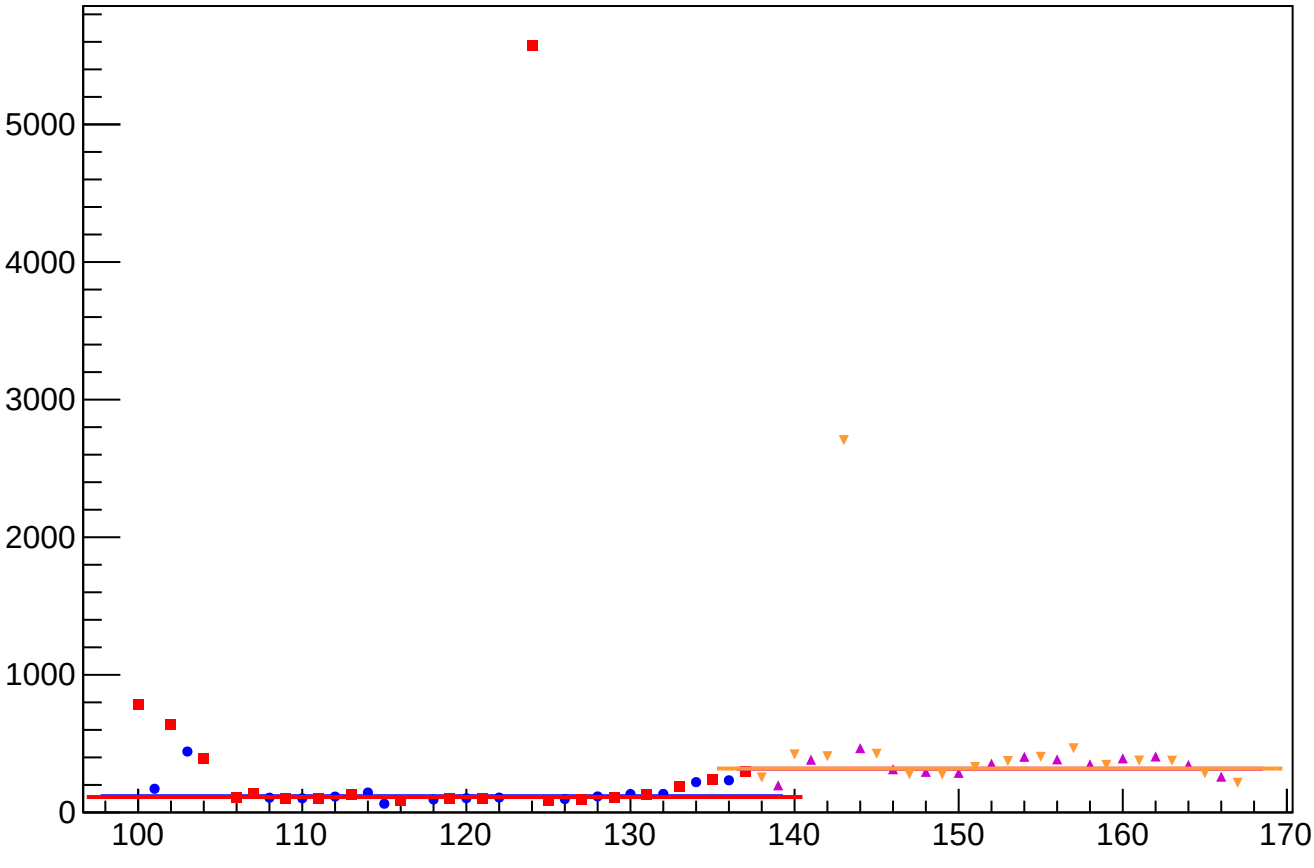
Left: 0.030+/-0.068 χ^2/NDF: 44.0/29

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.043 χ^2/NDF:33.0/29

Out: -0.017+/-0.042 χ^2/NDF:45.1/34

All: 0.001+/-0.030 χ^2/NDF: 78.5/64



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 319.149+/-0.067 χ^2/NDF:2415619.6/15

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 317.358+/-0.069 χ^2/NDF:1177893.4/13

Left: 318.271+/-0.048 χ^2/NDF: 3593858.1/29

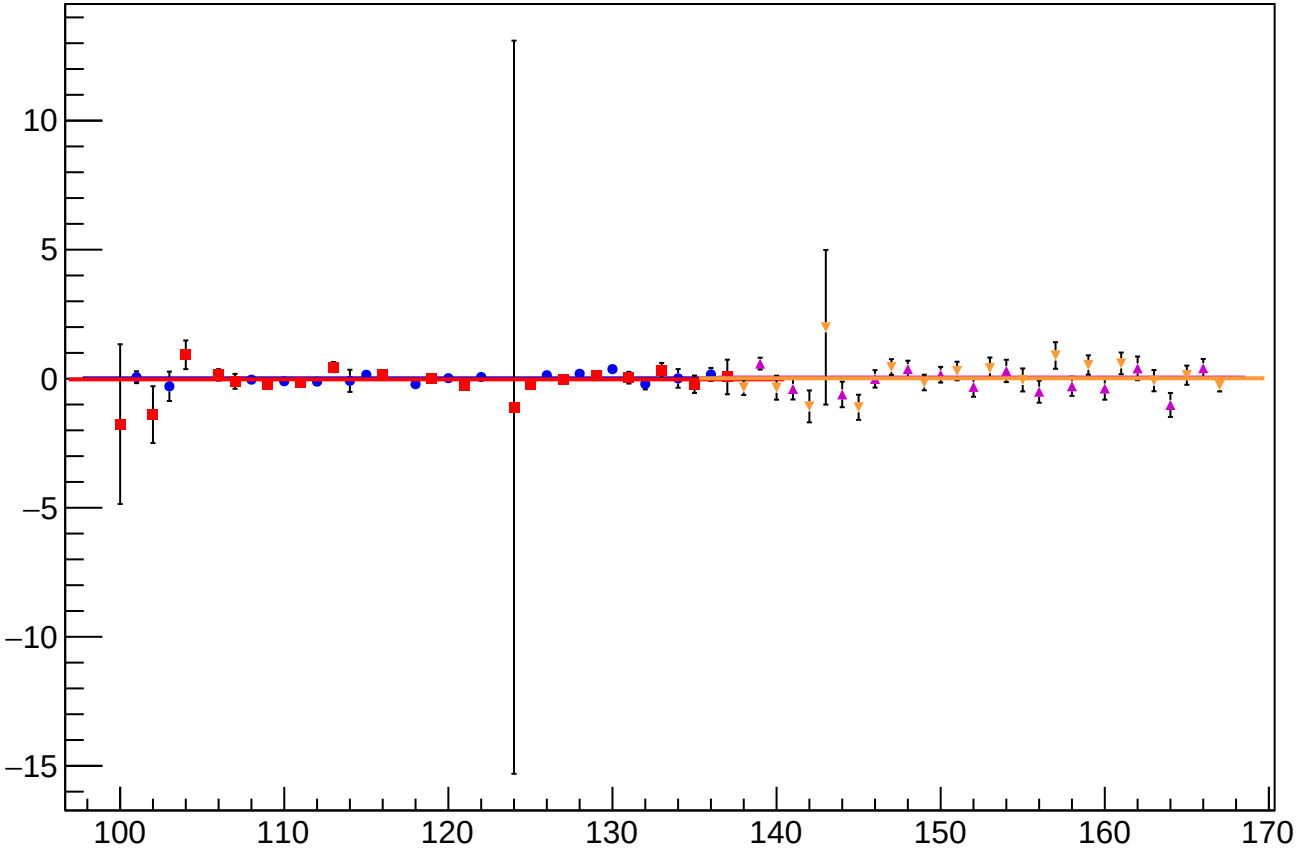
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 156.574+/-0.030 χ^2/NDF:9678371.2/29

Out: 152.311+/-0.030 χ^2/NDF:12185225.0/34

All: 154.396+/-0.021 χ^2/NDF: 21873654.2/64

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.043+/-0.097 χ^2/NDF:21.2/13

Left: 0.030+/-0.068 χ^2/NDF: 44.0/29

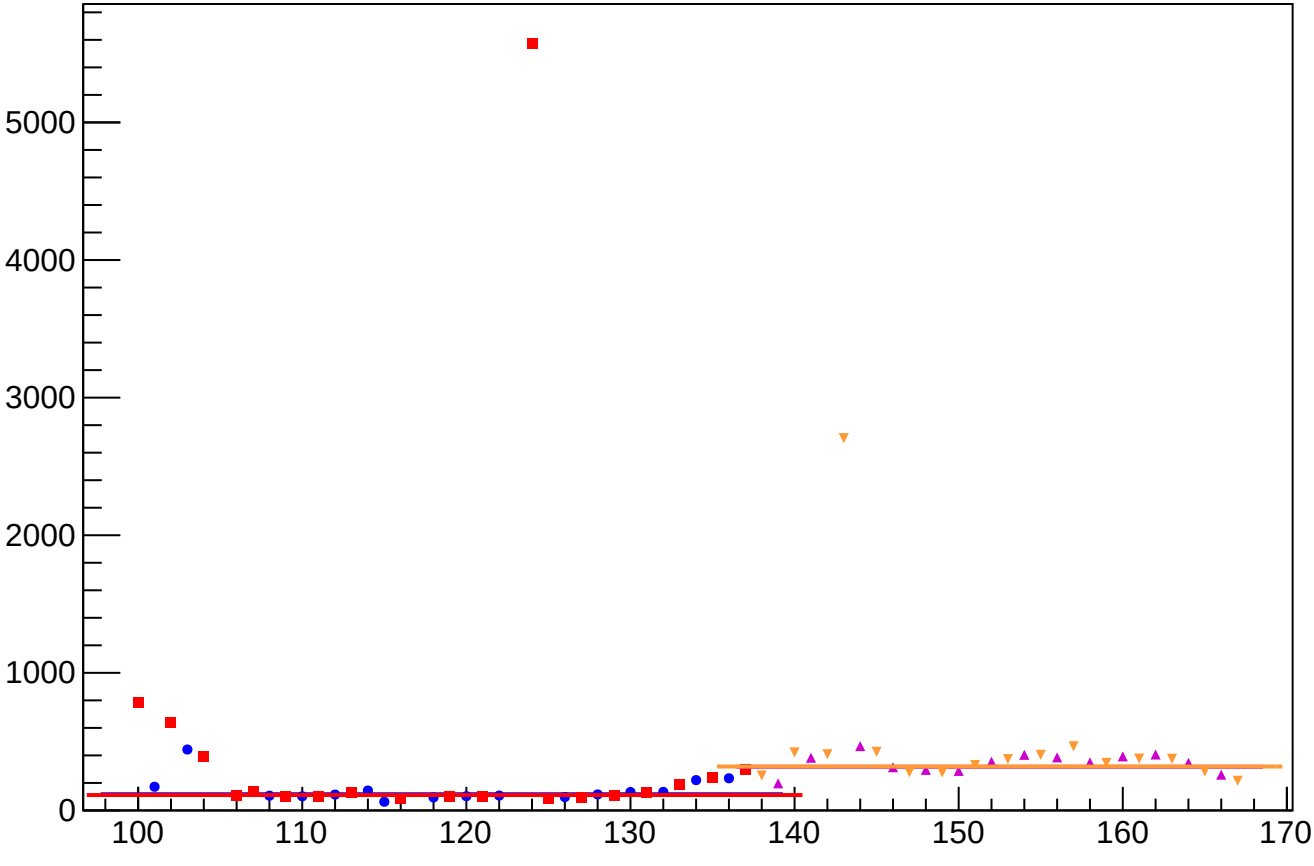
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.043 χ^2/NDF:33.0/29

Out: -0.017+/-0.042 χ^2/NDF:45.1/34

All: 0.001+/-0.030 χ^2/NDF: 78.5/64

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 319.149+/-0.067 χ^2/NDF:2415619.6/15

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 317.358+/-0.069 χ^2/NDF:1177893.4/13

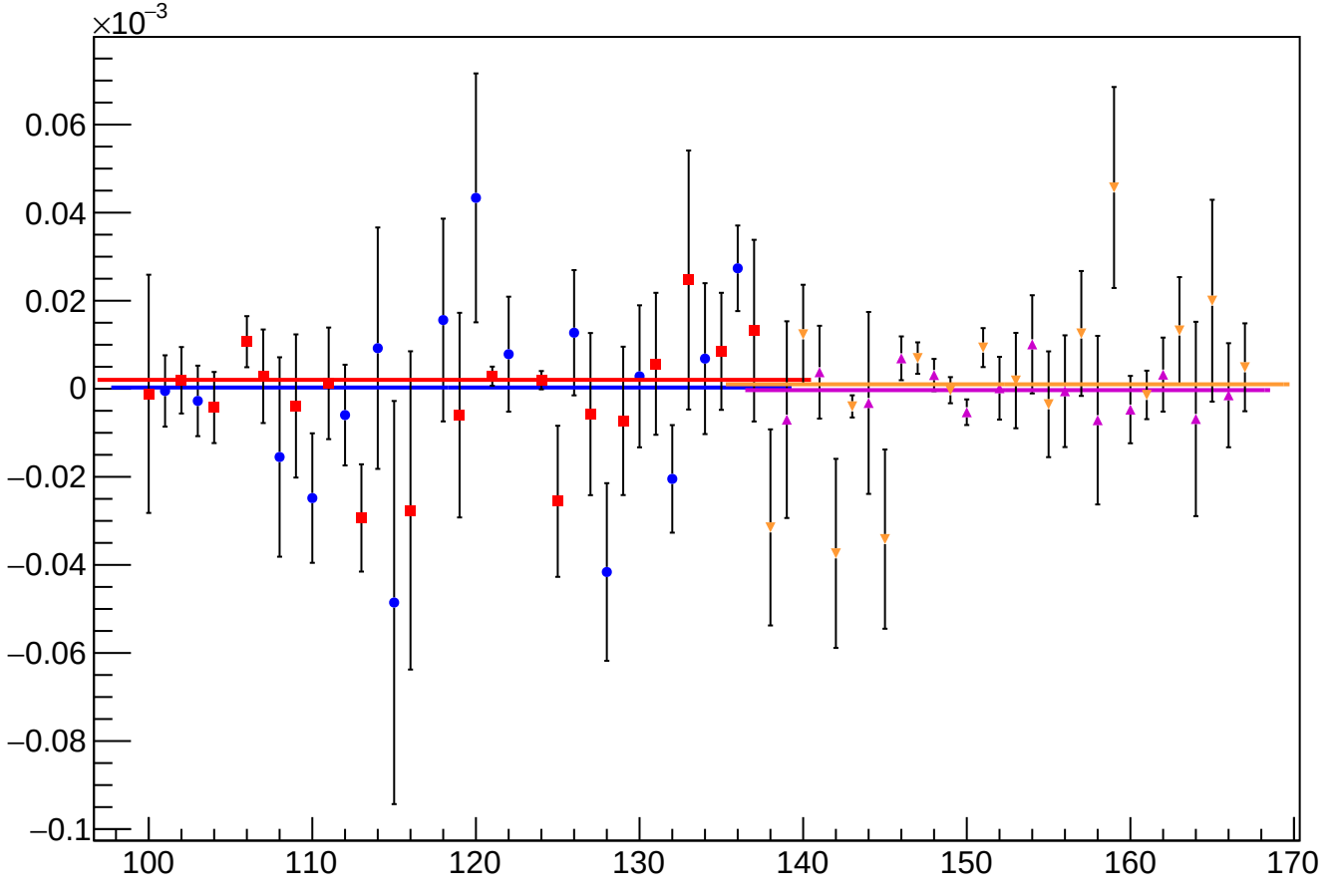
Left: 318.271+/-0.048 χ^2/NDF: 3593858.1/29

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 156.574+/-0.030 χ^2/NDF:9678371.2/29

Out: 152.311+/-0.030 χ^2/NDF:12185225.0/34

All: 154.396+/-0.021 χ^2/NDF: 21873654.2/64



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/13

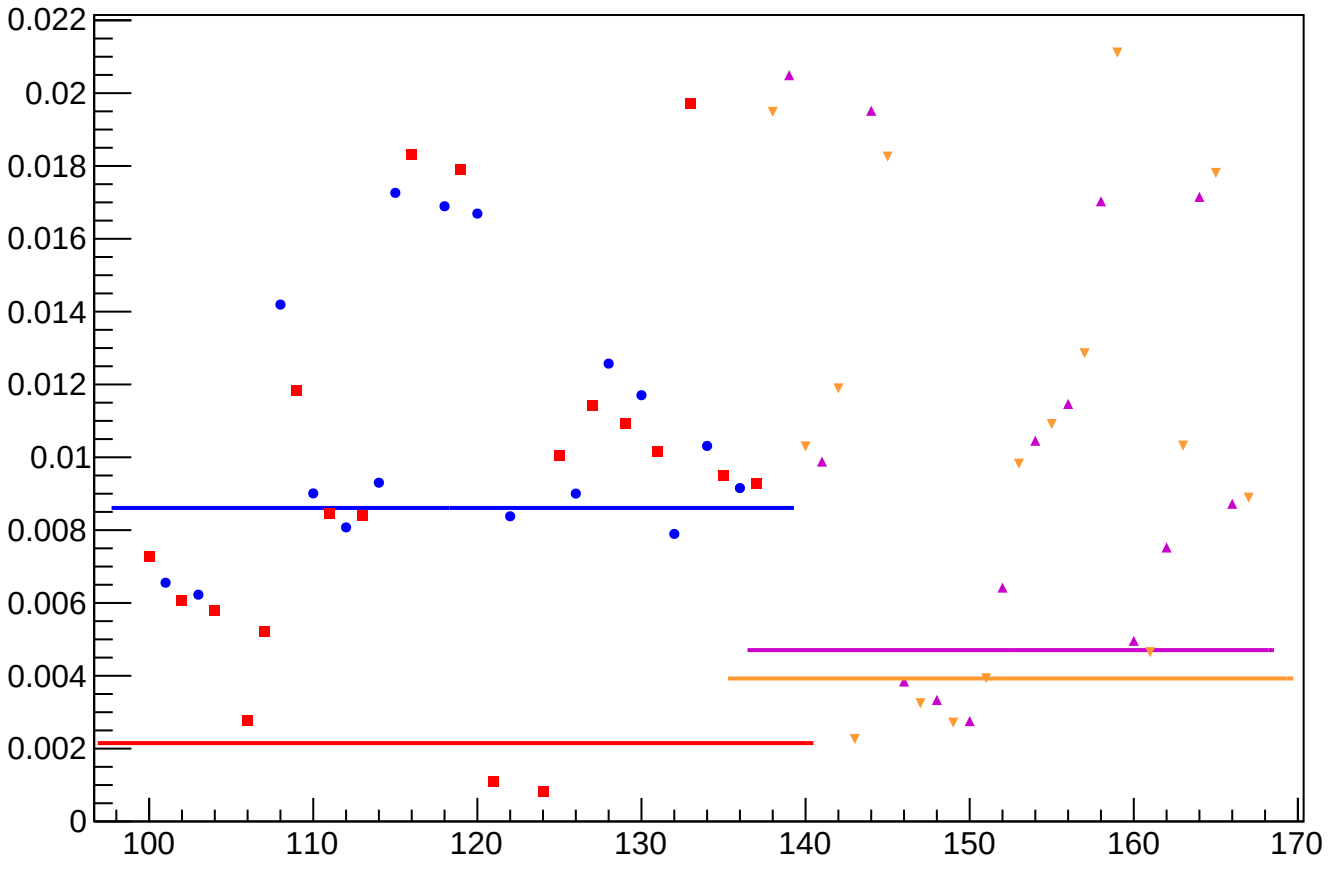
Left: 0.000+/-0.000 χ^2/NDF: 34.7/29

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:32.0/29

Out: 0.000+/-0.000 χ^2/NDF:41.6/34

All: 0.000+/-0.000 χ^2/NDF: 74.4/64



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:9178808.0/15

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:6886224.6/13

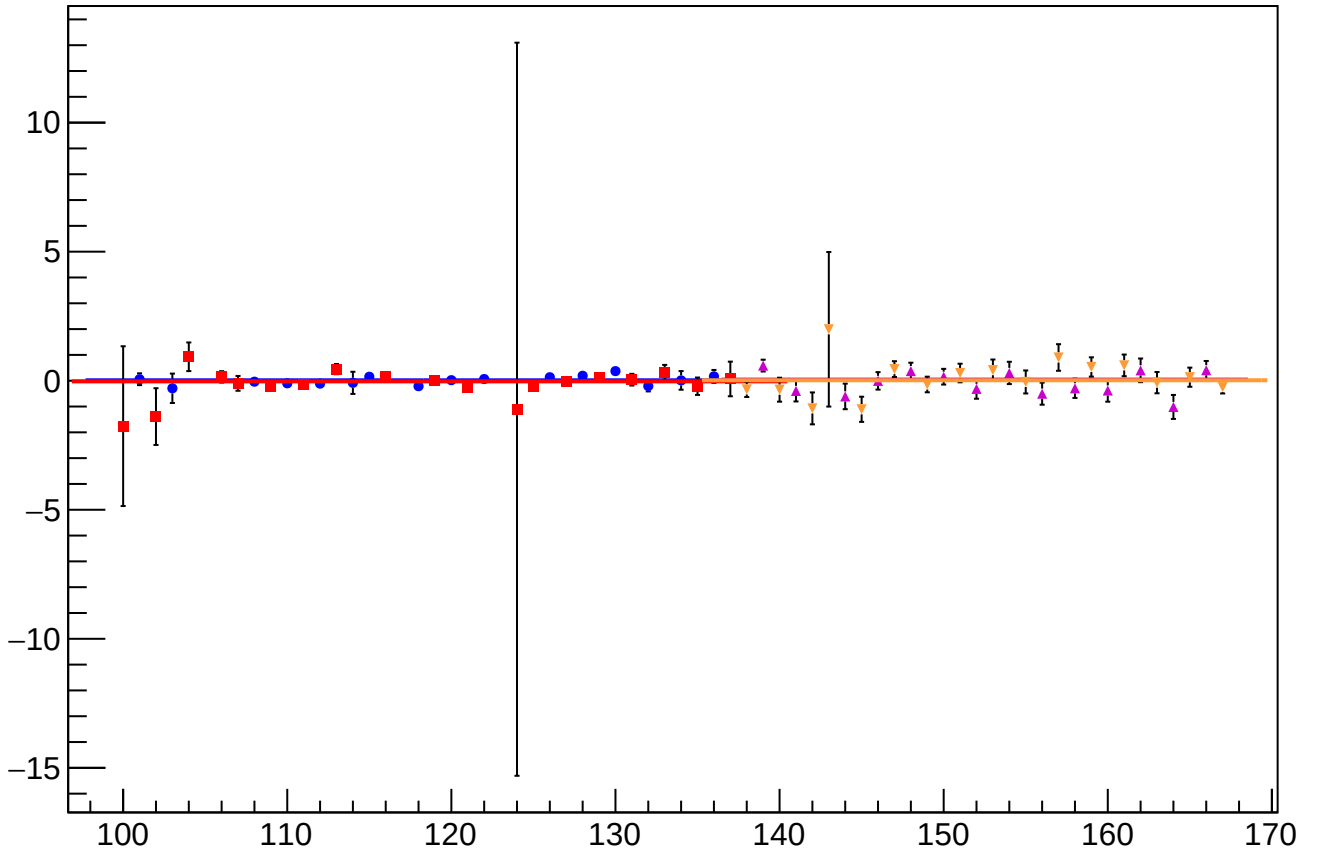
Left: 0.004+/-0.000 χ^2/NDF: 16301721.9/29

Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.006+/-0.000 χ^2/NDF:10106539.1/29

Out: 0.003+/-0.000 χ^2/NDF:19909964.7/34

All: 0.004+/-0.000 χ^2/NDF: 33887615.2/64



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.043+/-0.097 χ^2/NDF:21.2/13

Left: 0.030+/-0.068 χ^2/NDF: 44.0/29

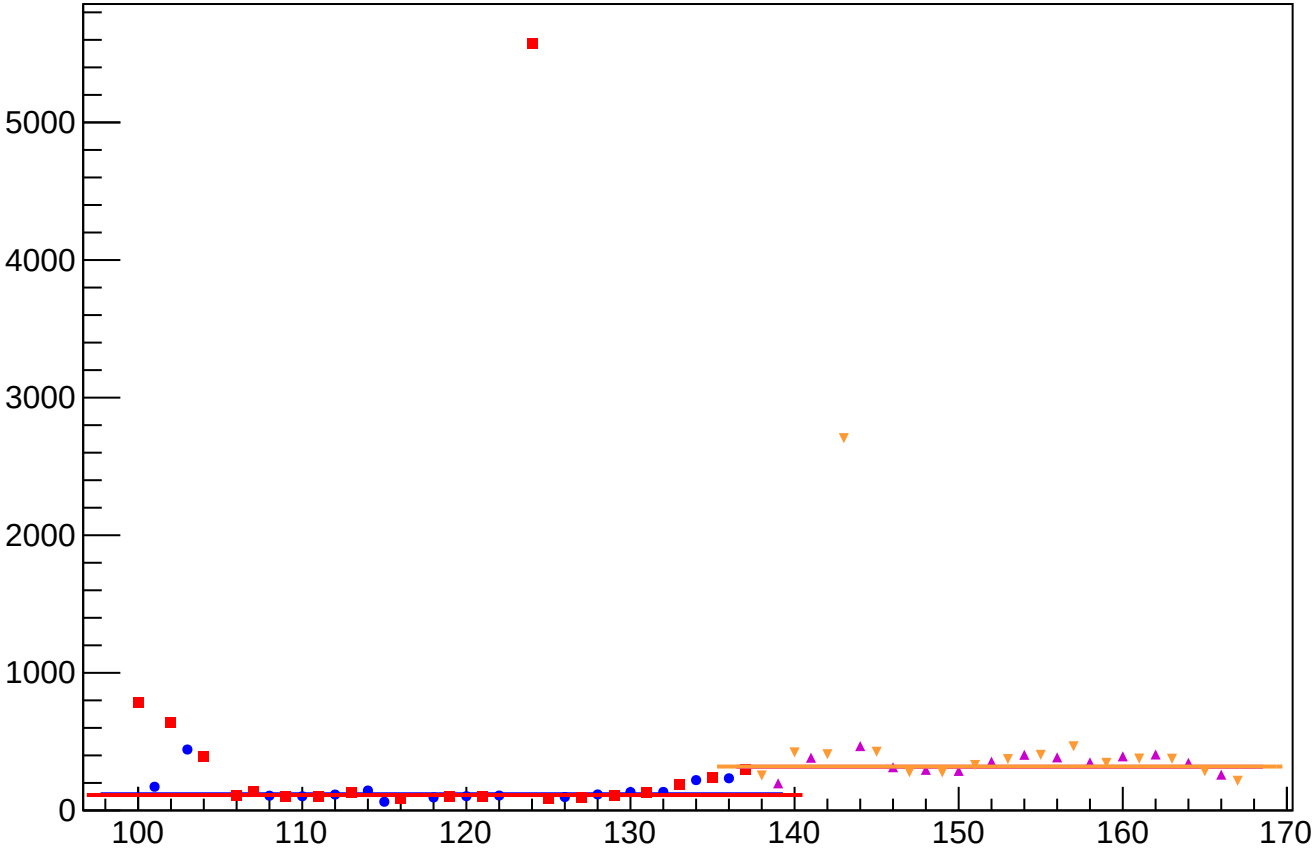
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.043 χ^2/NDF:33.0/29

Out: -0.017+/-0.042 χ^2/NDF:45.1/34

All: 0.001+/-0.030 χ^2/NDF: 78.5/64

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 319.152+/-0.067 χ^2/NDF:2415682.8/15

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 317.362+/-0.069 χ^2/NDF:1177904.9/13

Left: 318.275+/-0.048 χ^2/NDF: 3593932.5/29

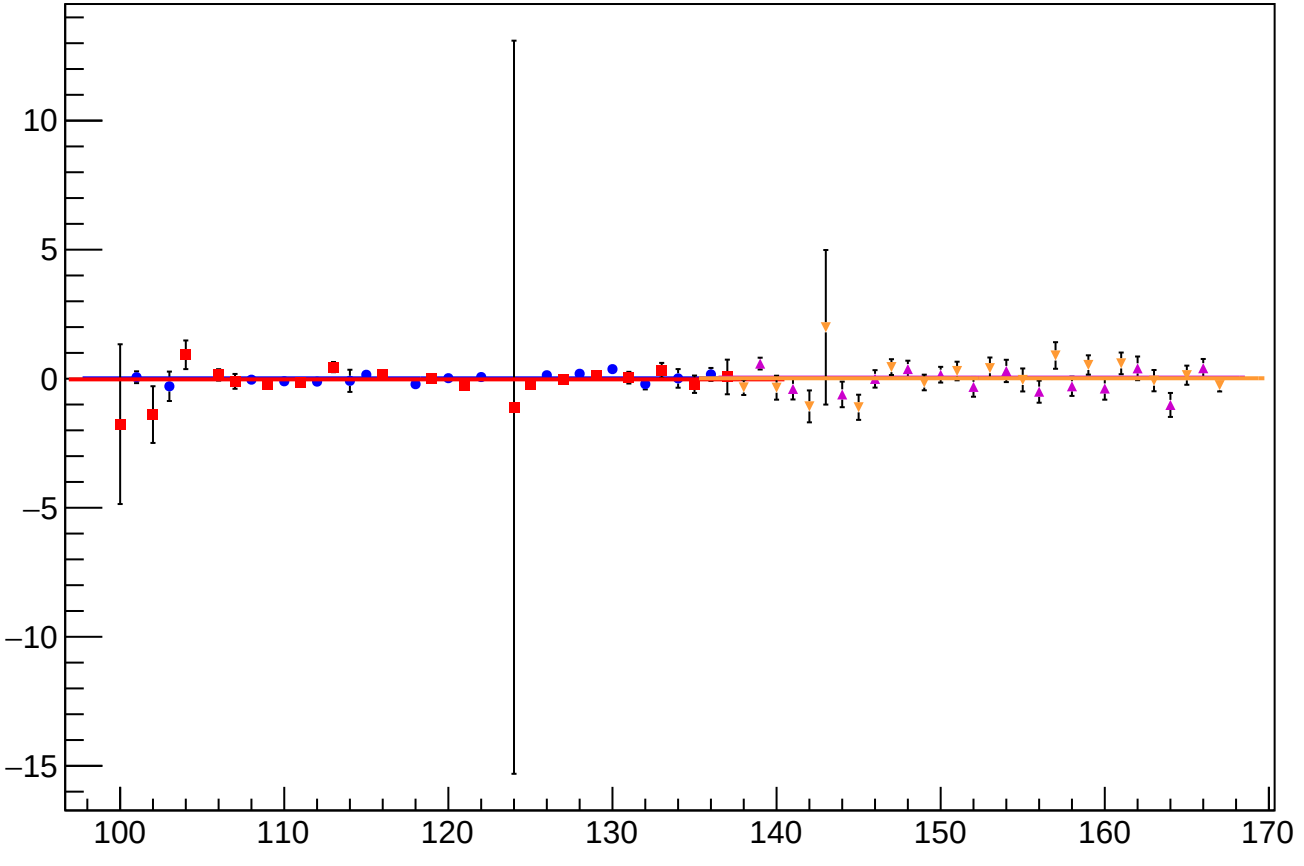
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 156.574+/-0.030 χ^2/NDF:9678485.7/29

Out: 152.313+/-0.030 χ^2/NDF:12185169.2/34

All: 154.397+/-0.021 χ^2/NDF: 21873703.7/64

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.043+/-0.097 χ^2/NDF:21.2/13

Left: 0.030+/-0.068 χ^2/NDF: 44.0/29

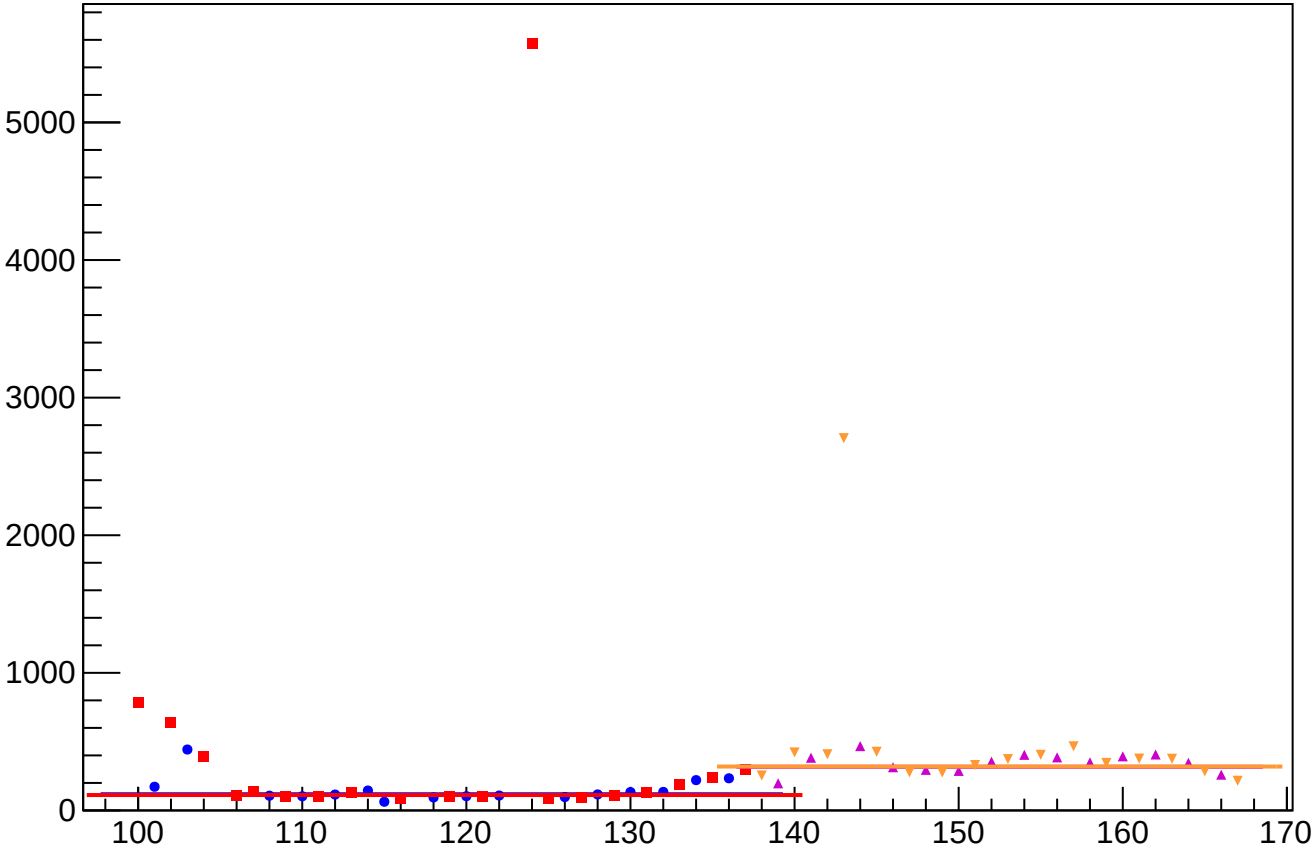
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.043 χ^2/NDF:33.0/29

Out: -0.017+/-0.042 χ^2/NDF:45.1/34

All: 0.001+/-0.030 χ^2/NDF: 78.5/64

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 319.152+/-0.067 χ^2/NDF:2415682.8/15

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 317.362+/-0.069 χ^2/NDF:1177904.9/13

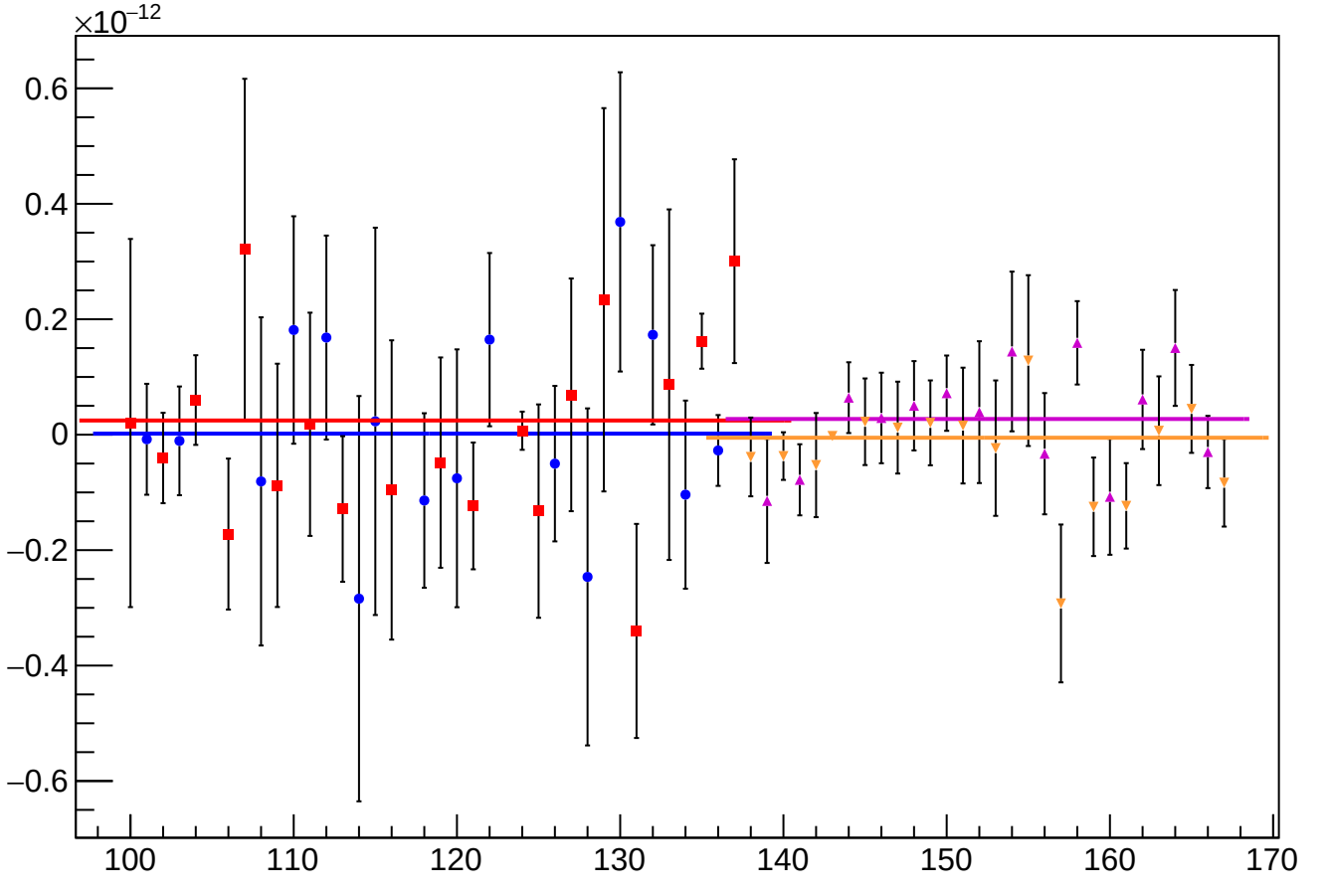
Left: 318.275+/-0.048 χ^2/NDF: 3593932.5/29

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 156.574+/-0.030 χ^2/NDF:9678485.7/29

Out: 152.313+/-0.030 χ^2/NDF:12185169.2/34

All: 154.397+/-0.021 χ^2/NDF: 21873703.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/13

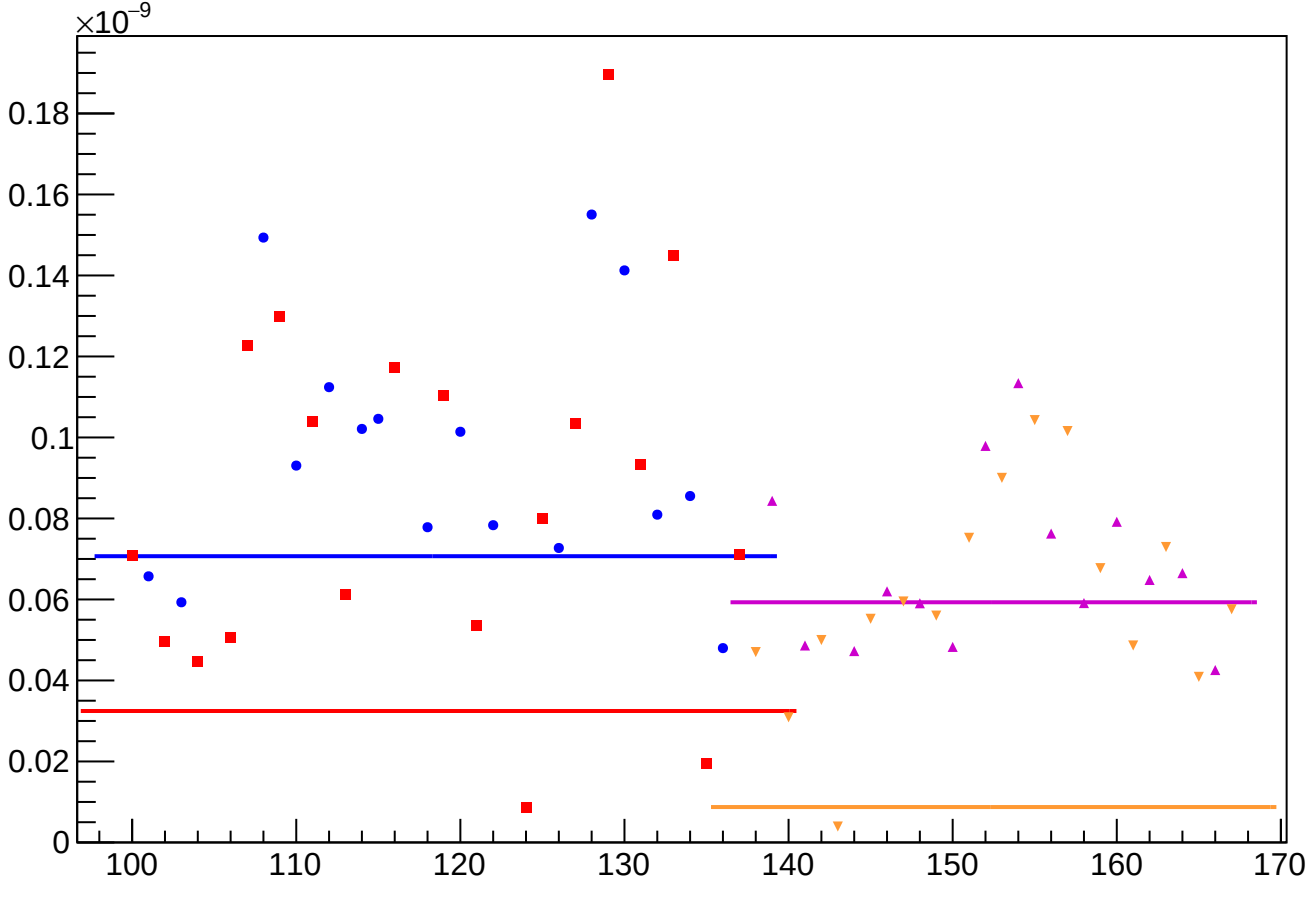
Left: -0.000+/-0.000 χ^2/NDF: 29.3/29

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:23.8/29

Out: -0.000+/-0.000 χ^2/NDF:38.9/34

All: -0.000+/-0.000 χ^2/NDF: 64.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12329922.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1100521.0/13

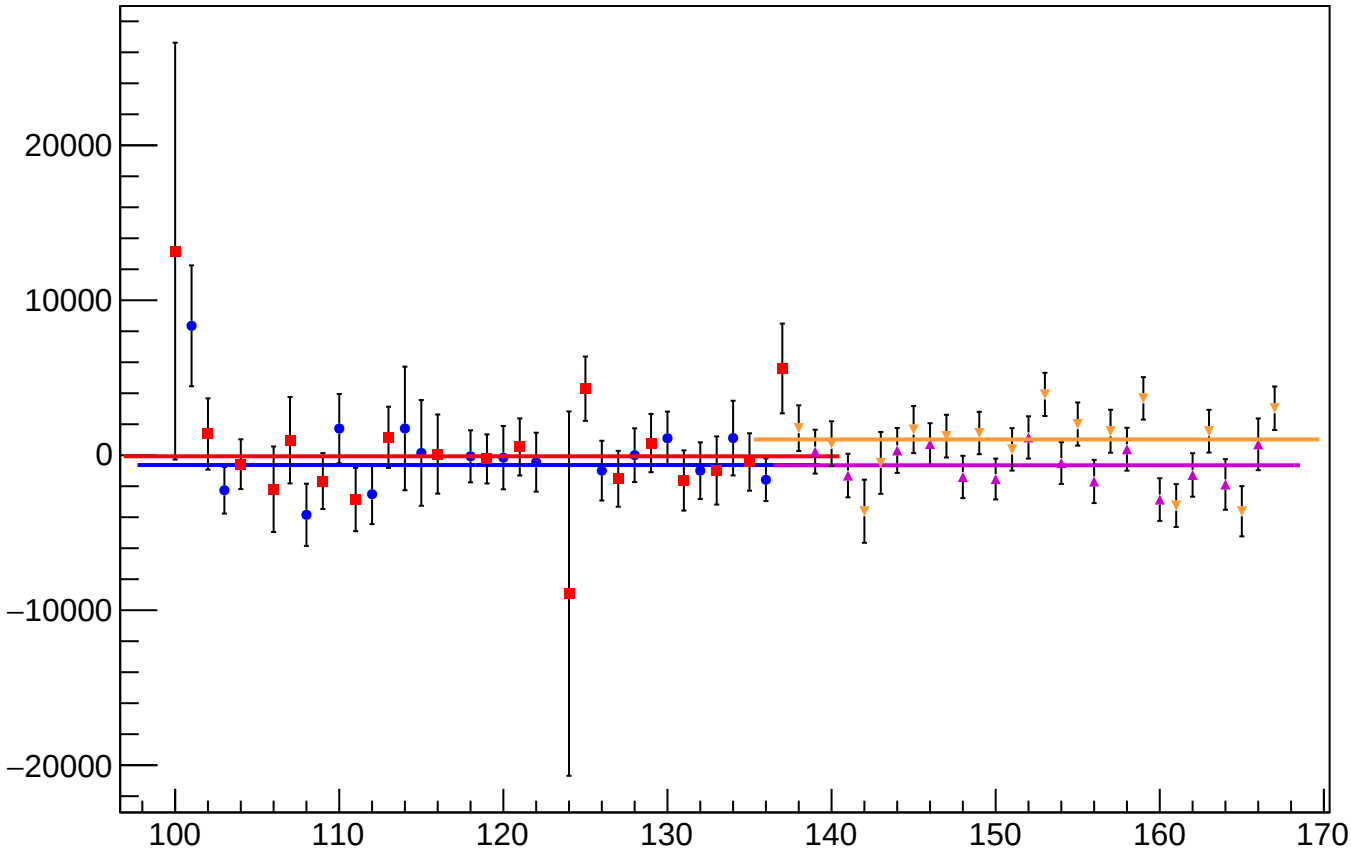
Left: 0.000+/-0.000 χ^2/NDF: 23651053.9/29

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2281370.1/29

Out: 0.000+/-0.000 χ^2/NDF:18997264.4/34

All: 0.000+/-0.000 χ^2/NDF: 35904222.6/64



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.080+/-365.671 χ^2/NDF:35.2/15

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -648.112+/-376.741 χ^2/NDF:9.7/13

Left: 209.825+/-262.395 χ^2/NDF: 55.0/29

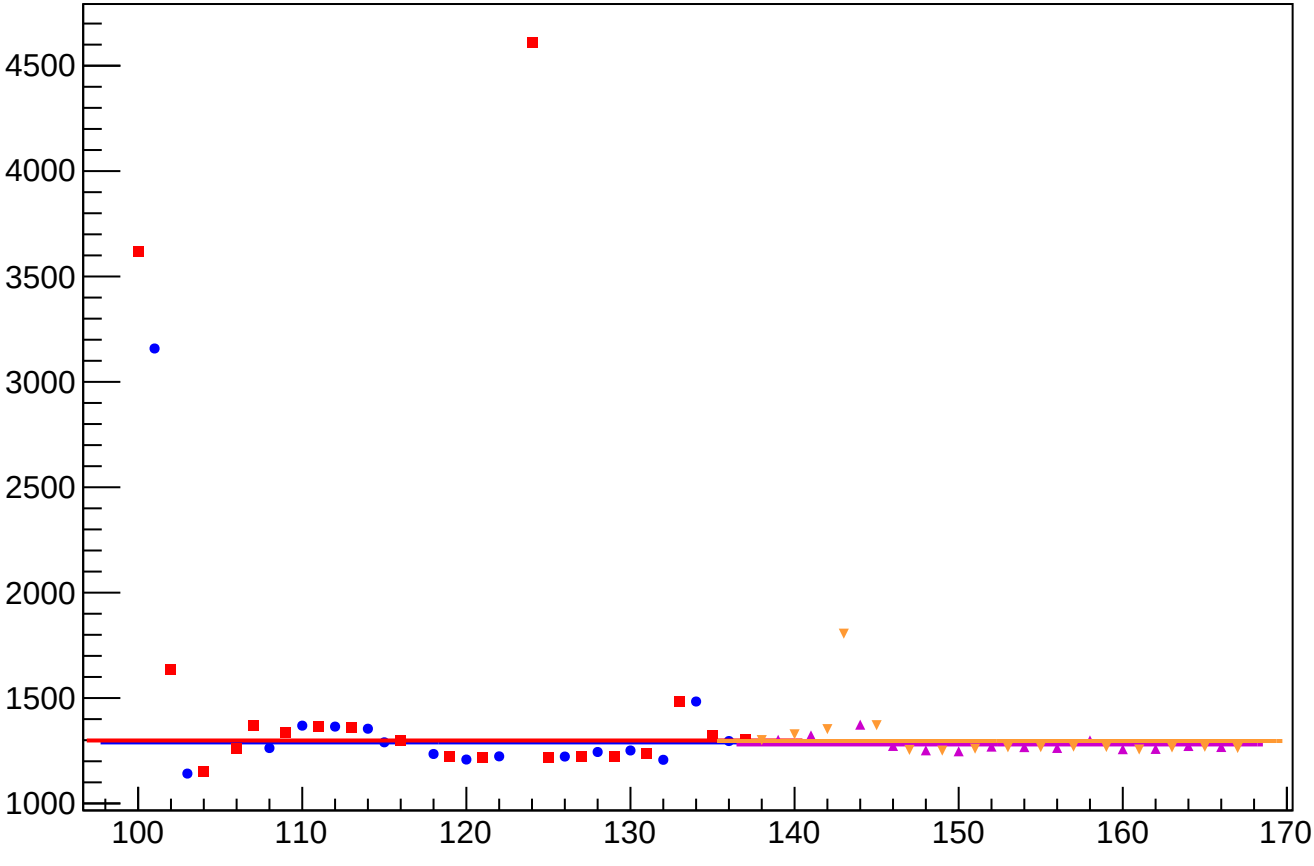
Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -641.748+/-298.364 χ^2/NDF:23.6/29

Out: 627.425+/-292.580 χ^2/NDF:54.2/34

All: 5.261+/-208.900 χ^2/NDF: 87.1/64

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

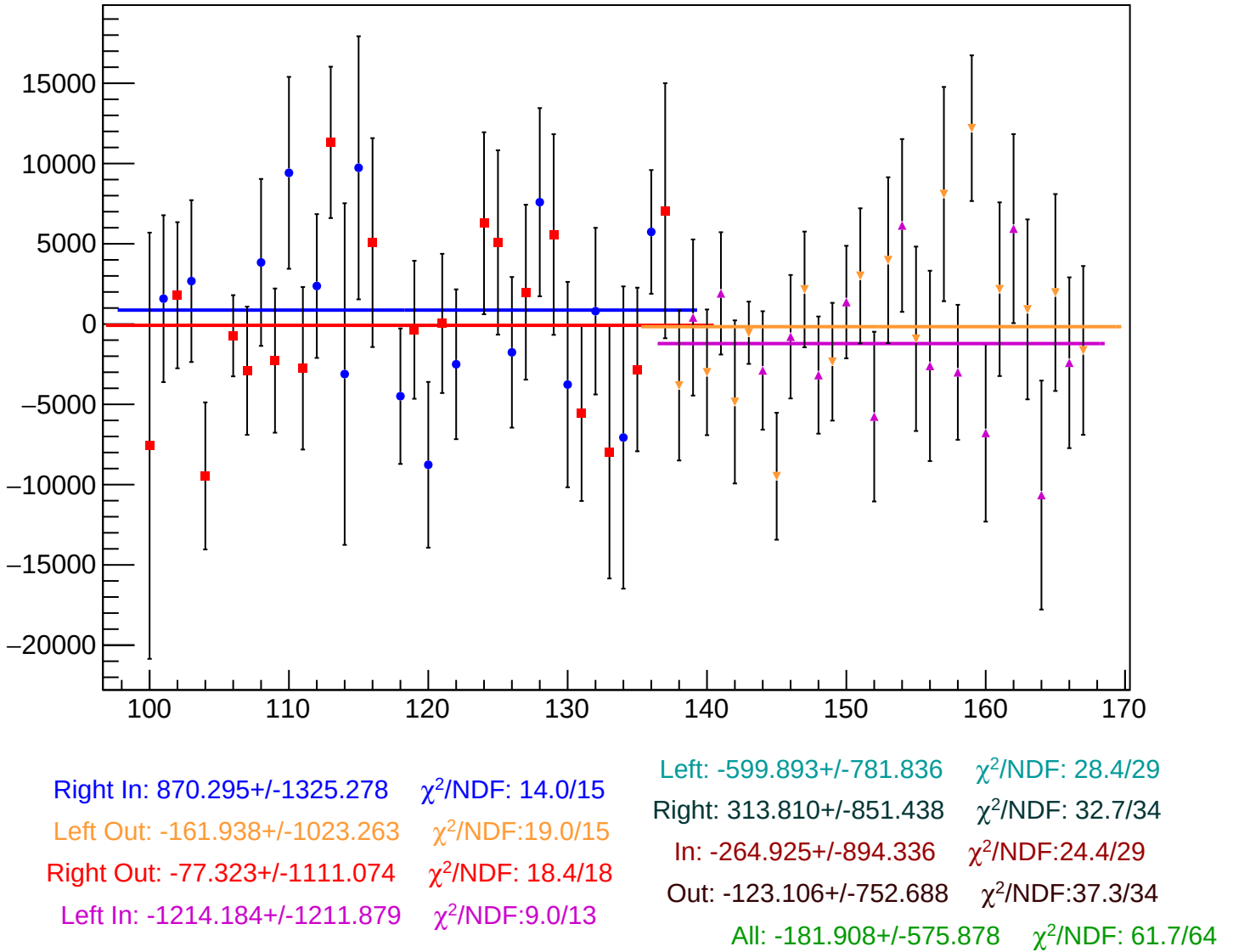
Left: 1288.226+/-0.186 χ^2/NDF: 167441.3/29

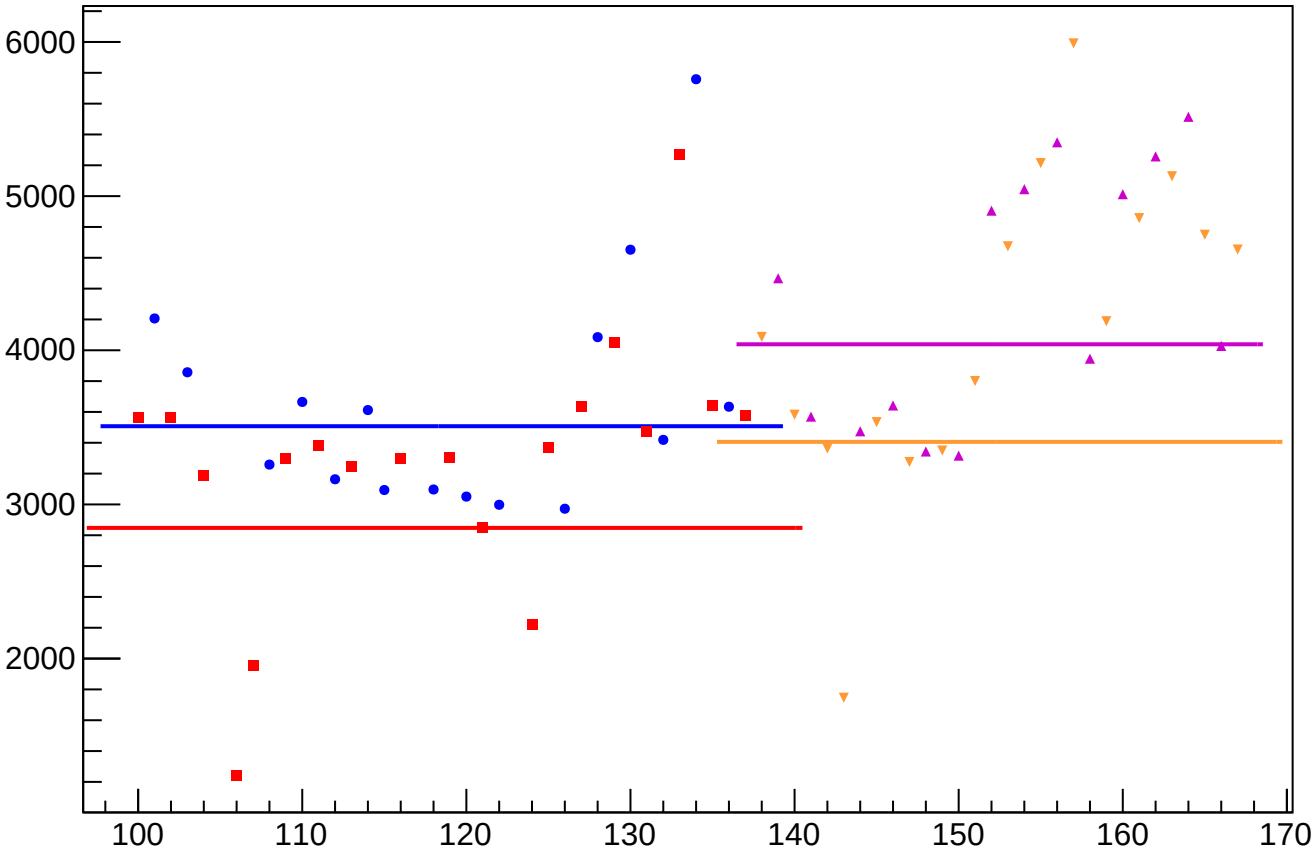
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1283.417+/-0.211 χ^2/NDF:530086.0/29

Out: 1297.050+/-0.207 χ^2/NDF:469995.2/34

All: 1290.373+/-0.148 χ^2/NDF: 1002211.8/64


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -161.938+/-1023.263 χ²/NDF:19.0/15
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1214.184+/-1211.879 χ²/NDF:9.0/13
Left: -599.893+/-781.836 χ²/NDF: 28.4/29
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -264.925+/-894.336 χ²/NDF:24.4/29
Out: -123.106+/-752.688 χ²/NDF:37.3/34
All: -181.908+/-575.878 χ²/NDF: 61.7/64


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
6000
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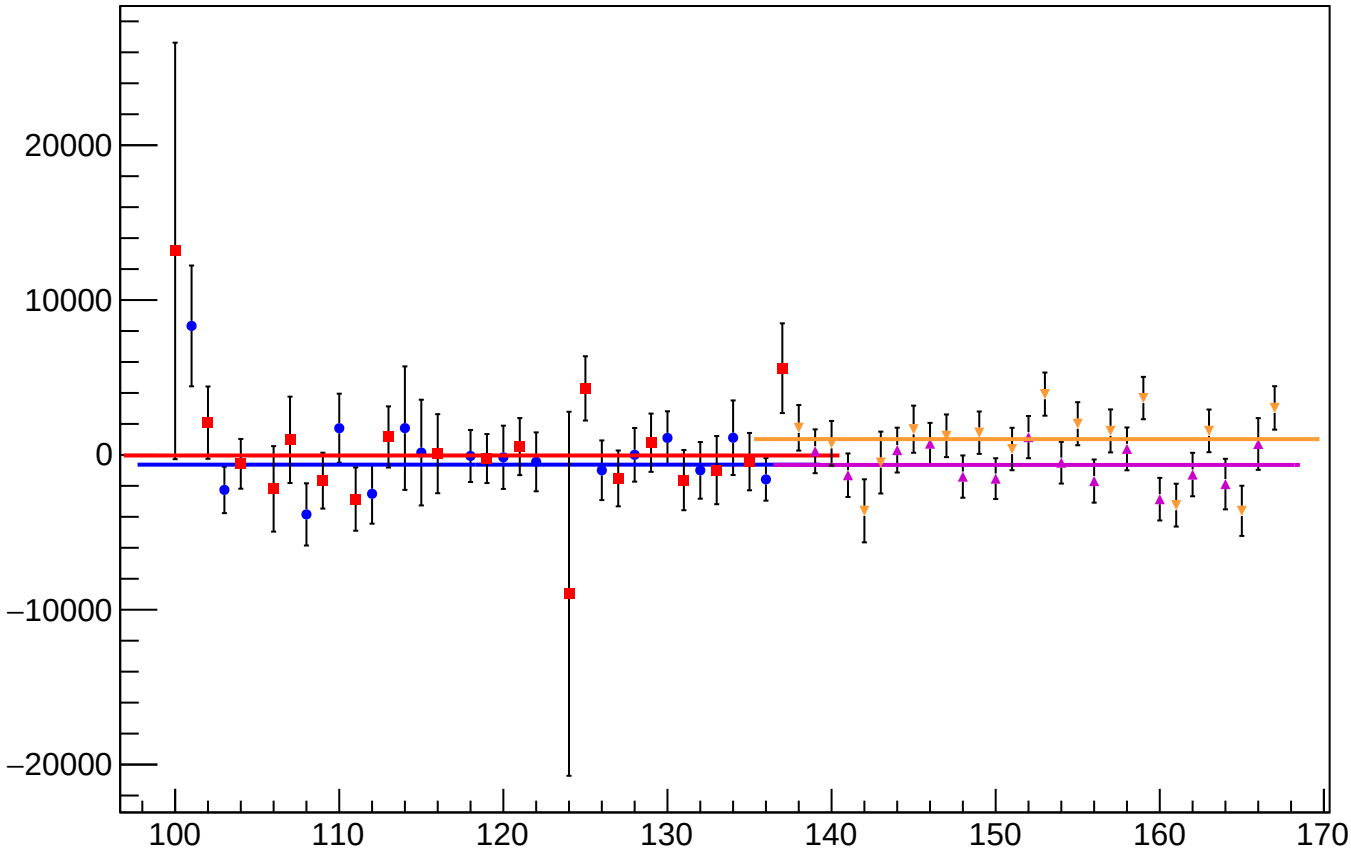
170
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3405.727+/-0.724 χ²/NDF:2754433.7/15
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 4038.851+/-0.857 χ²/NDF:727704.4/13
Left: 3669.240+/-0.553 χ²/NDF: 3800811.6/29
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3796.830+/-0.632 χ²/NDF:1256841.6/29
Out: 3149.694+/-0.532 χ²/NDF:4526644.1/34
All: 3418.016+/-0.407 χ²/NDF: 6396472.7/64



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -648.119+/-376.741 χ^2/NDF:9.7/13

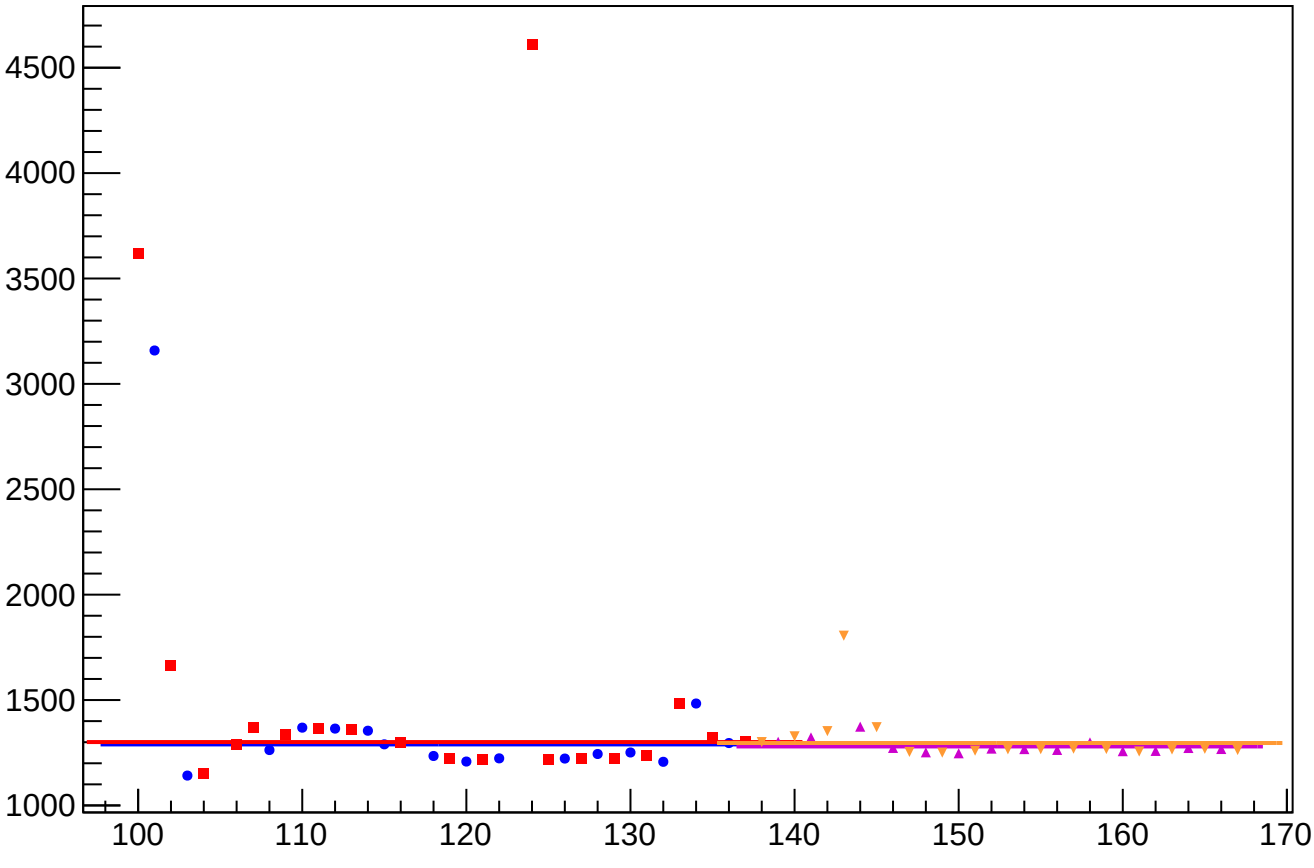
Left: 209.841+/-262.395 χ^2/NDF: 55.0/29

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -641.896+/-298.364 χ^2/NDF:23.6/29

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 10.536+/-208.926 χ^2/NDF: 87.5/64



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

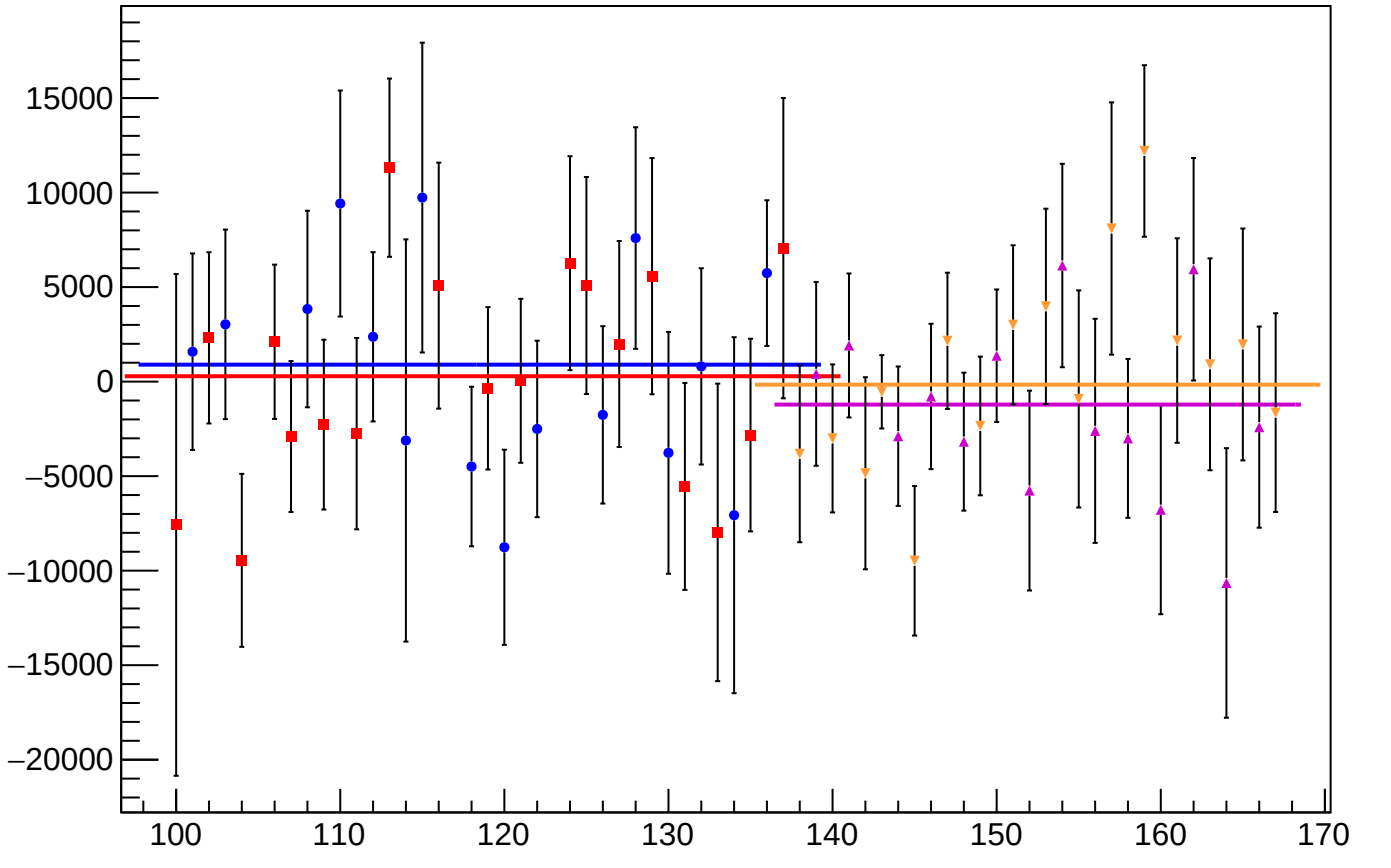
Left: 1288.226+/-0.186 χ^2/NDF: 167441.3/29

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.742+/-0.148 χ^2/NDF: 1009056.0/64



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF:19.0/15

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1214.227+/-1211.878 χ^2/NDF:9.0/13

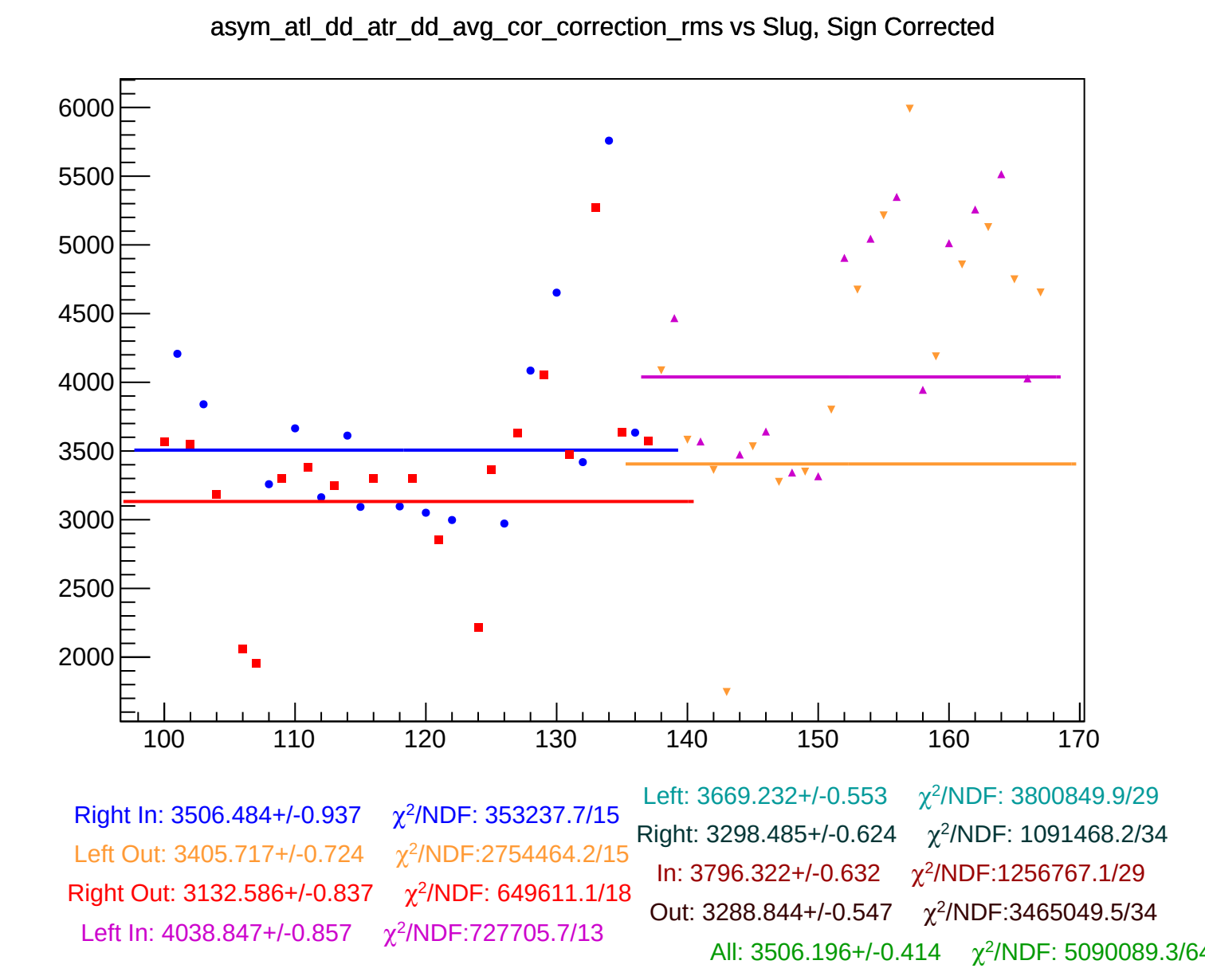
Left: -599.851+/-781.835 χ^2/NDF: 28.4/29

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -252.876+/-894.195 χ^2/NDF:24.4/29

Out: 28.923+/-773.964 χ^2/NDF:37.7/34

All: -91.771+/-585.202 χ^2/NDF: 62.2/64


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
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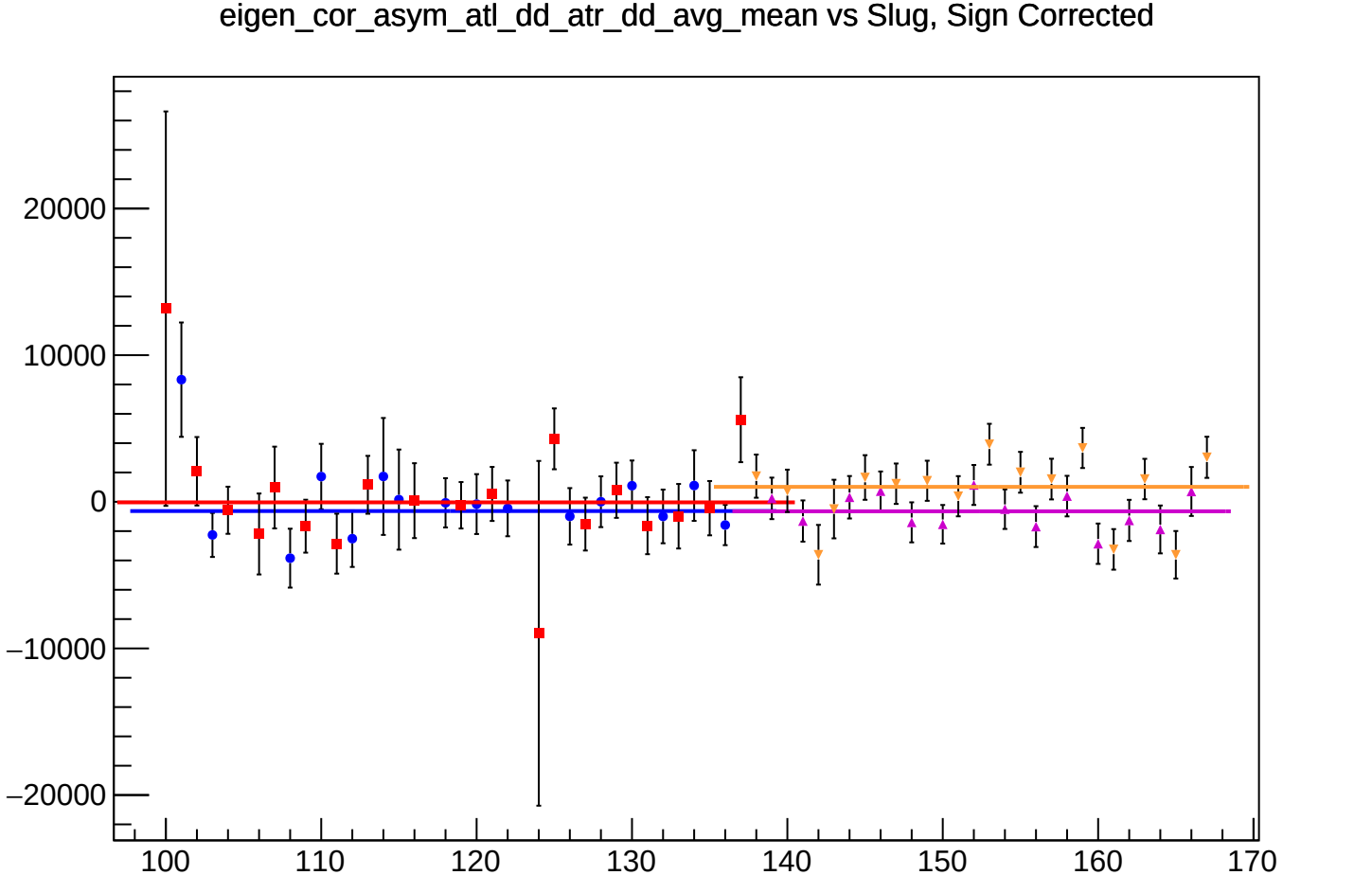
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3405.717+/-0.724 χ²/NDF:2754464.2/15
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4038.847+/-0.857 χ²/NDF:727705.7/13
Left: 3669.232+/-0.553 χ²/NDF: 3800849.9/29
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3796.322+/-0.632 χ²/NDF:1256767.1/29
Out: 3288.844+/-0.547 χ²/NDF:3465049.5/34
All: 3506.196+/-0.414 χ²/NDF: 5090089.3/64


eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
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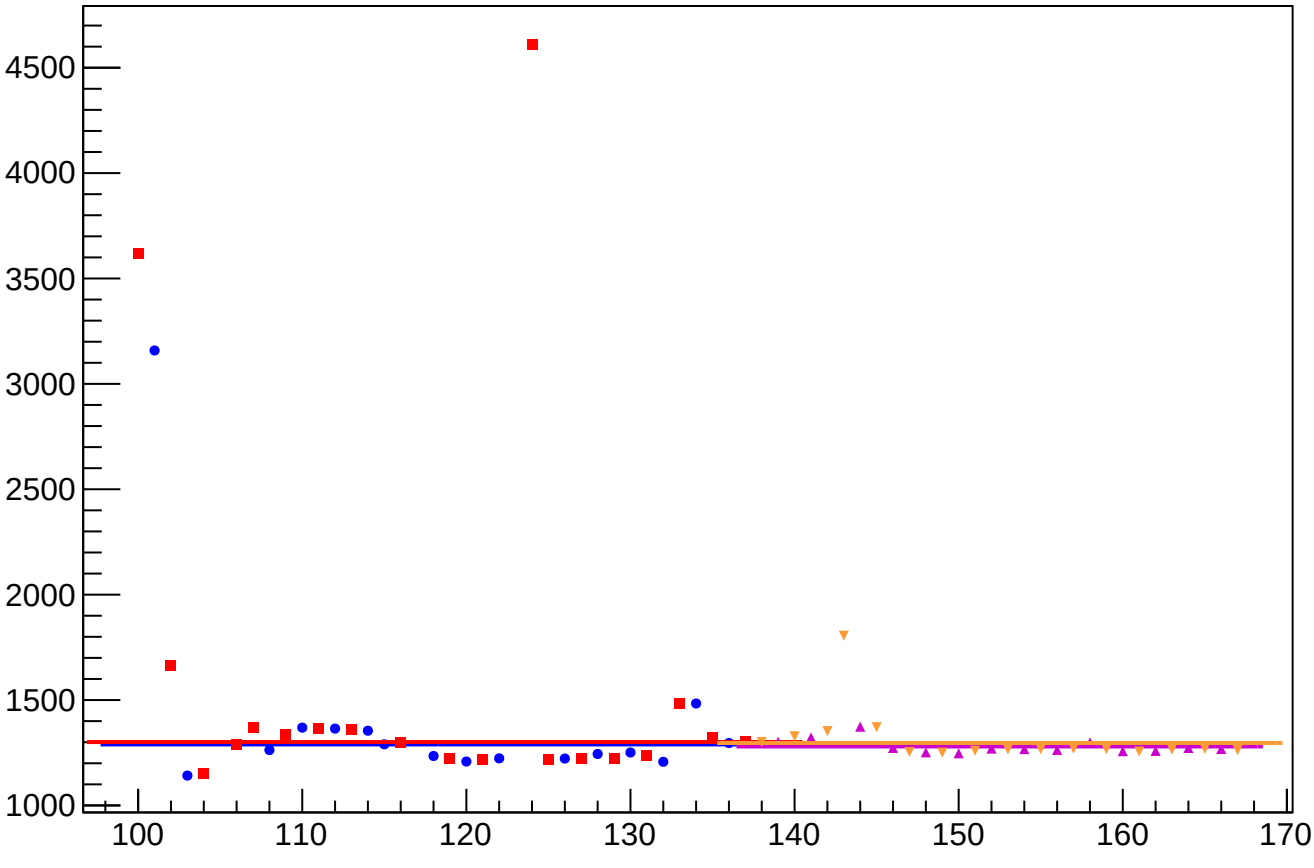
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 1018.118+/-365.671 χ²/NDF:35.2/15
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -648.119+/-376.741 χ²/NDF:9.7/13
Left: 209.841+/-262.395 χ²/NDF: 55.0/29
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -641.896+/-298.364 χ²/NDF:23.6/29
Out: 638.213+/-292.649 χ²/NDF:54.5/34
All: 10.536+/-208.926 χ²/NDF: 87.5/64



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

Left: 1288.226+/-0.186 χ^2/NDF: 167441.3/29

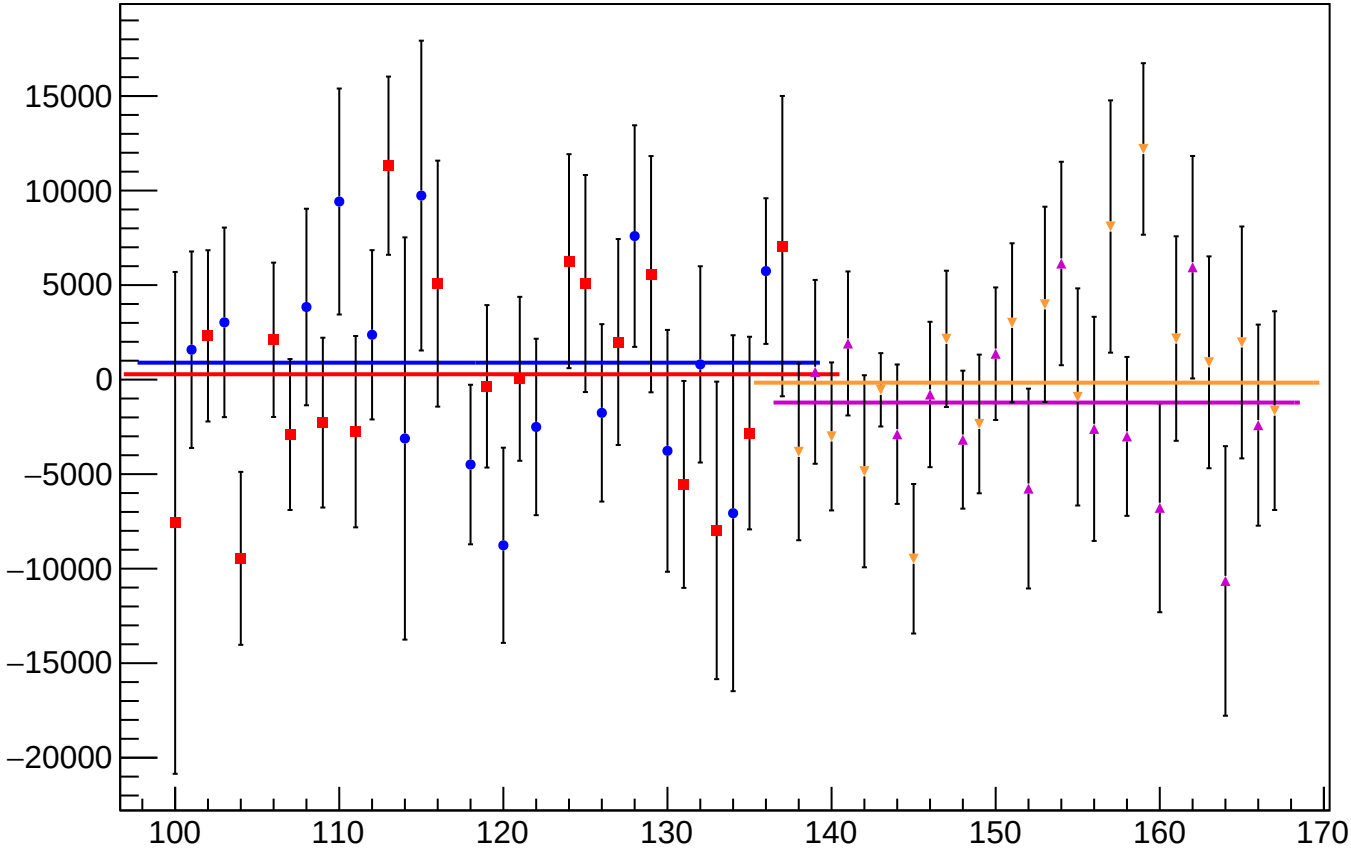
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.742+/-0.148 χ^2/NDF: 1009056.0/64

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF:19.0/15

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1214.227+/-1211.878 χ^2/NDF:9.0/13

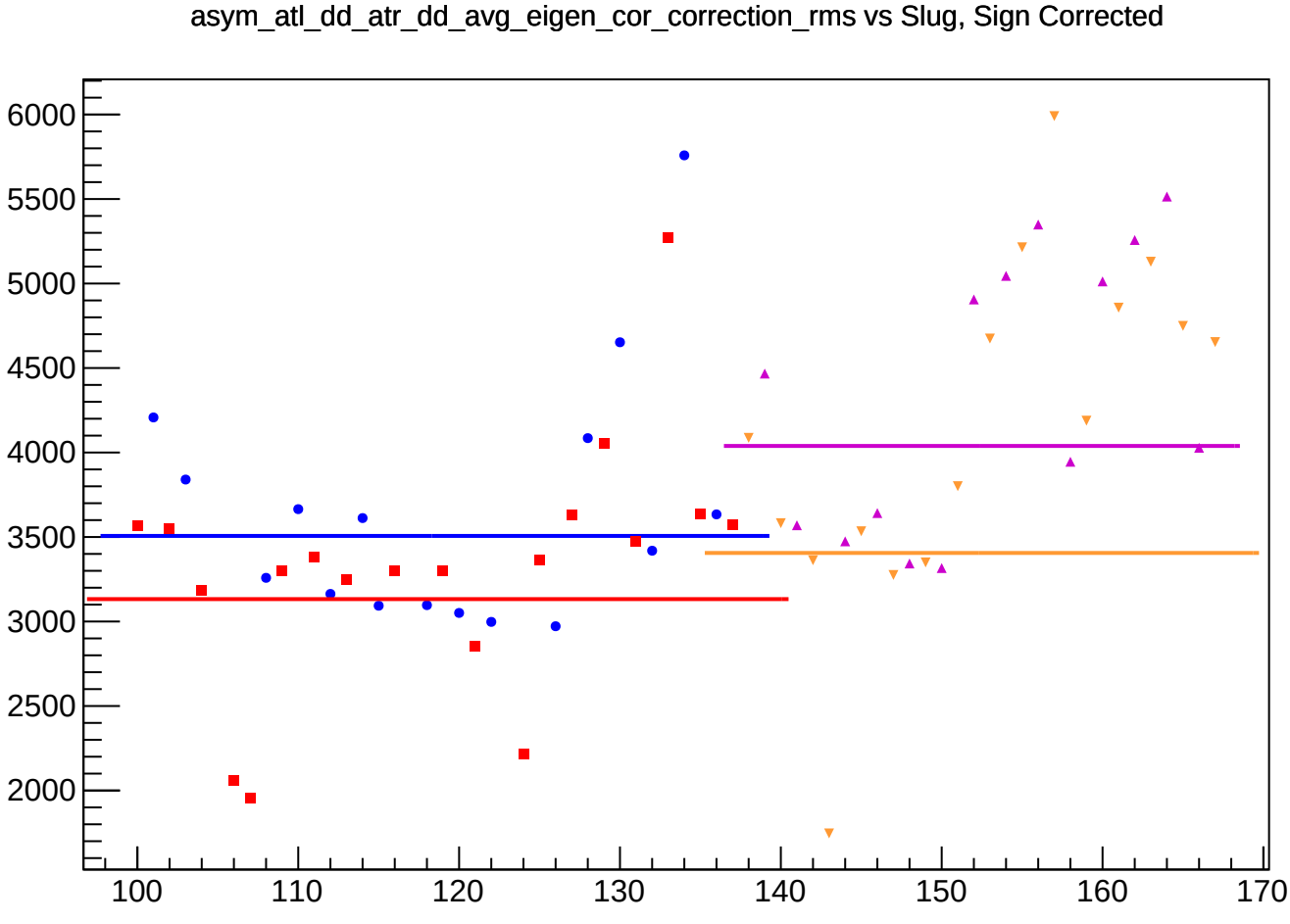
Left: -599.851+/-781.835 χ^2/NDF: 28.4/29

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -252.876+/-894.195 χ^2/NDF:24.4/29

Out: 28.923+/-773.964 χ^2/NDF:37.7/34

All: -91.771+/-585.202 χ^2/NDF: 62.2/64


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
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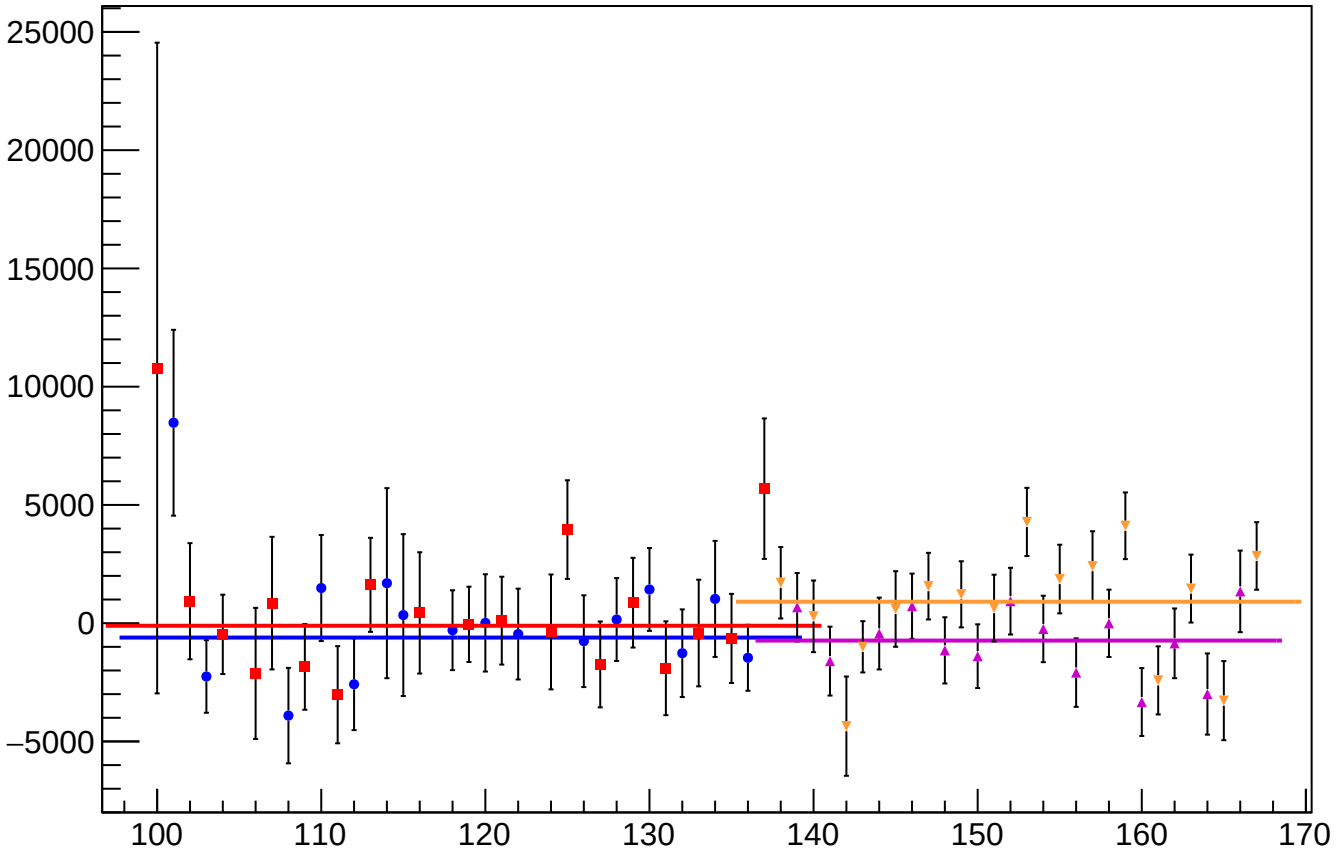
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3405.717+/-0.724 χ²/NDF:2754464.2/15
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4038.847+/-0.857 χ²/NDF:727705.7/13
Left: 3669.232+/-0.553 χ²/NDF: 3800849.9/29
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3796.322+/-0.632 χ²/NDF:1256767.1/29
Out: 3288.844+/-0.547 χ²/NDF:3465049.5/34
All: 3506.196+/-0.414 χ²/NDF: 5090089.3/64



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.293+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -735.092+/-390.137 χ^2/NDF:11.9/13

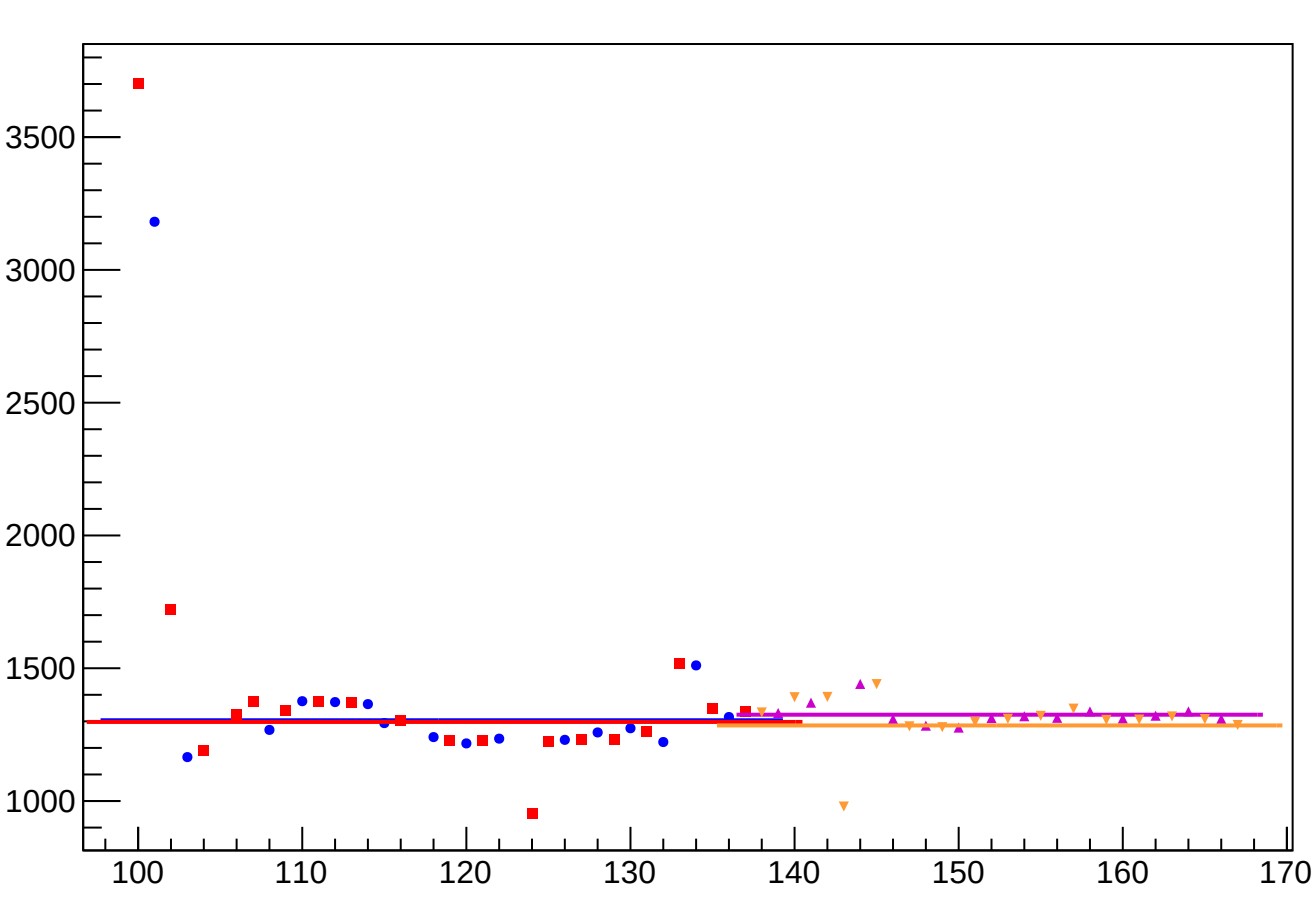
Left: 146.086+/-265.696 χ^2/NDF: 57.3/29

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -686.230+/-306.214 χ^2/NDF:26.1/29

Out: 543.905+/-290.655 χ^2/NDF:53.6/34

All: -39.118+/-210.810 χ^2/NDF: 88.1/64



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.622+/-0.257 χ^2/NDF:203050.2/15

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.084+/-0.276 χ^2/NDF:19191.5/13

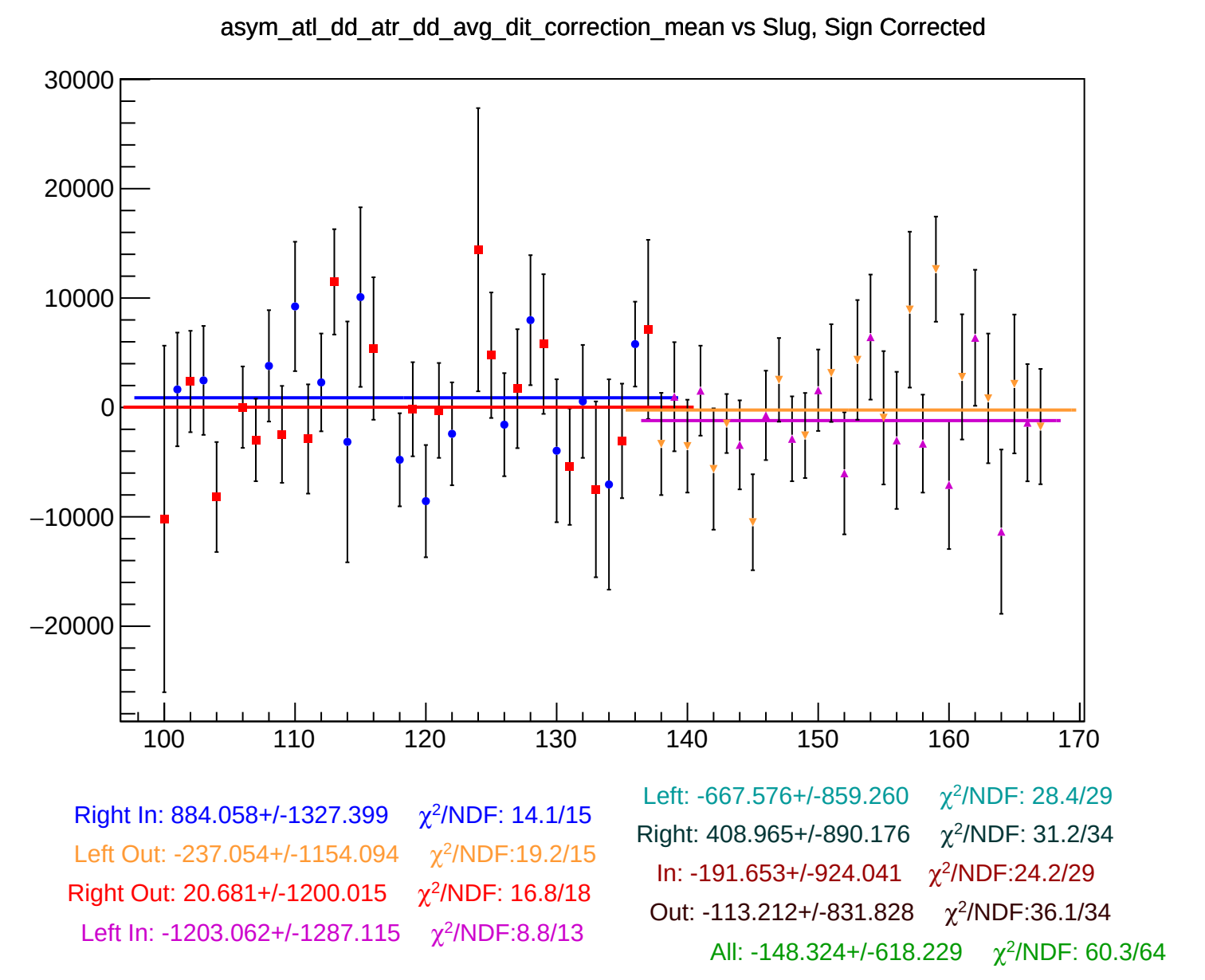
Left: 1303.388+/-0.188 χ^2/NDF: 233776.5/29

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1317.028+/-0.217 χ^2/NDF:532001.9/29

Out: 1289.347+/-0.205 χ^2/NDF:417092.7/34

All: 1302.463+/-0.149 χ^2/NDF: 957694.1/64


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
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−20000
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140
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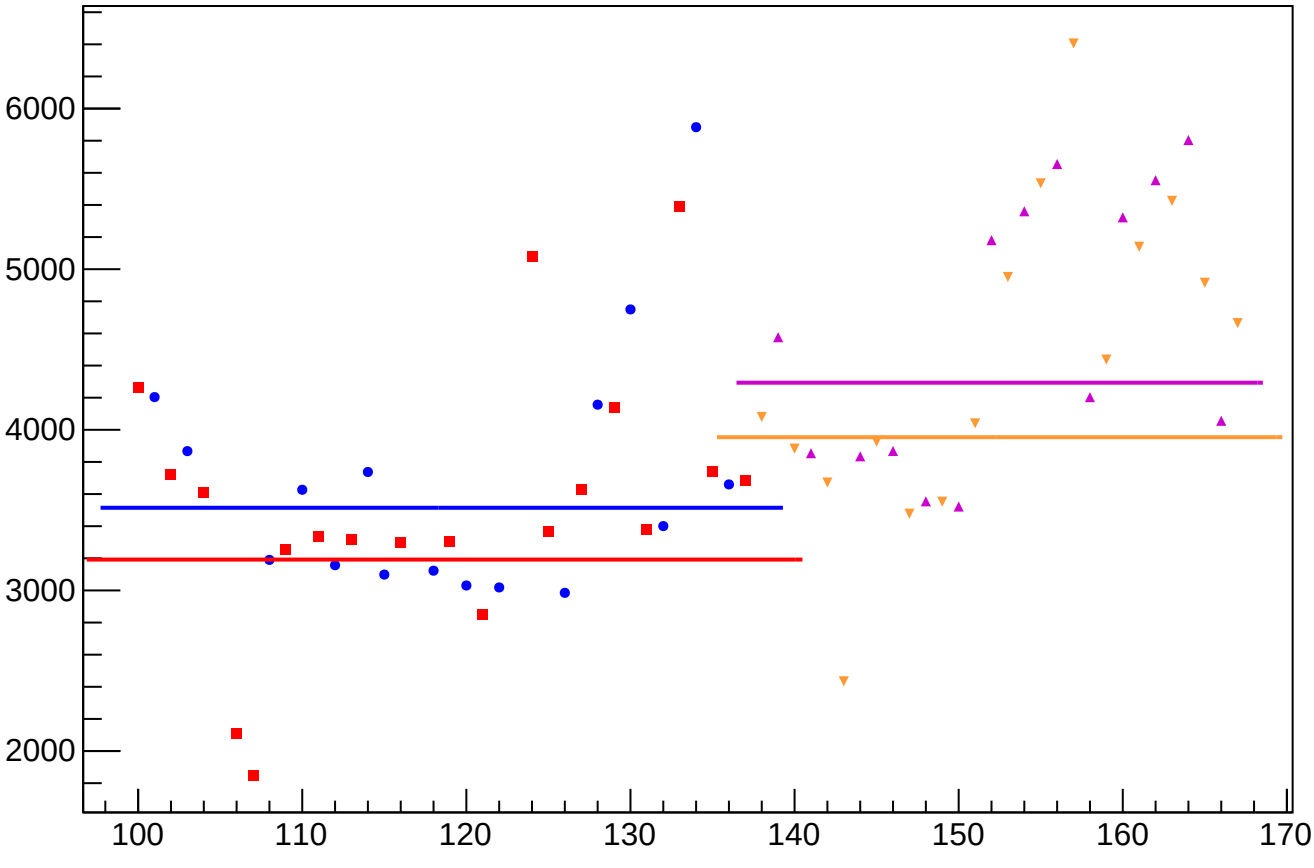
160
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -237.054+/-1154.094 χ²/NDF:19.2/15
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1203.062+/-1287.115 χ²/NDF:8.8/13
Left: -667.576+/-859.260 χ²/NDF: 28.4/29
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -191.653+/-924.041 χ²/NDF:24.2/29
Out: -113.212+/-831.828 χ²/NDF:36.1/34
All: -148.324+/-618.229 χ²/NDF: 60.3/64


asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
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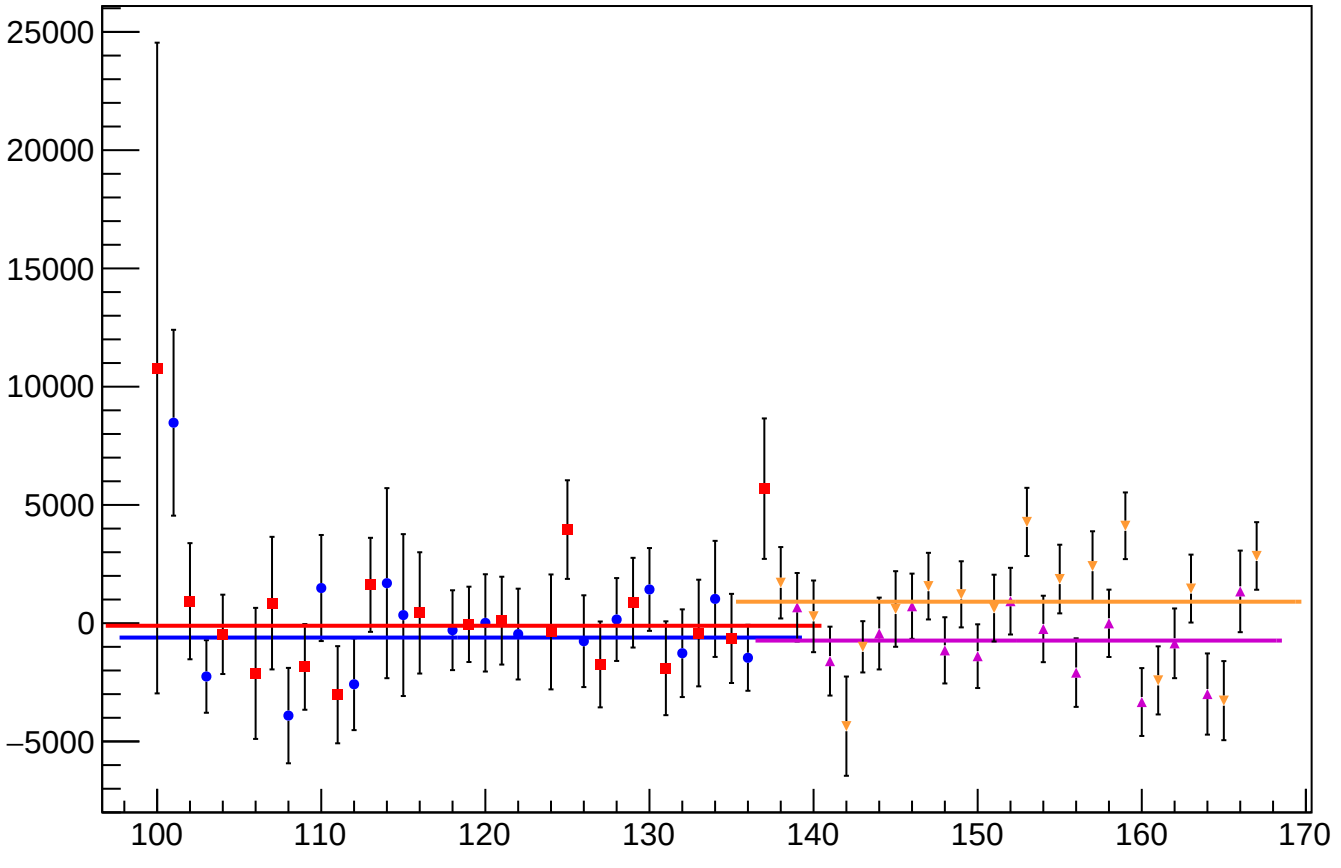
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3954.074+/-0.816 χ²/NDF:1444498.7/15
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4293.404+/-0.910 χ²/NDF:678584.3/13
Left: 4105.304+/-0.608 χ²/NDF: 2200139.0/29
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3916.069+/-0.653 χ²/NDF:1408369.1/29
Out: 3587.995+/-0.588 χ²/NDF:2635791.7/34
All: 3734.850+/-0.437 χ²/NDF: 4183420.4/64



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.299+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -735.094+/-390.138 χ^2/NDF:11.9/13

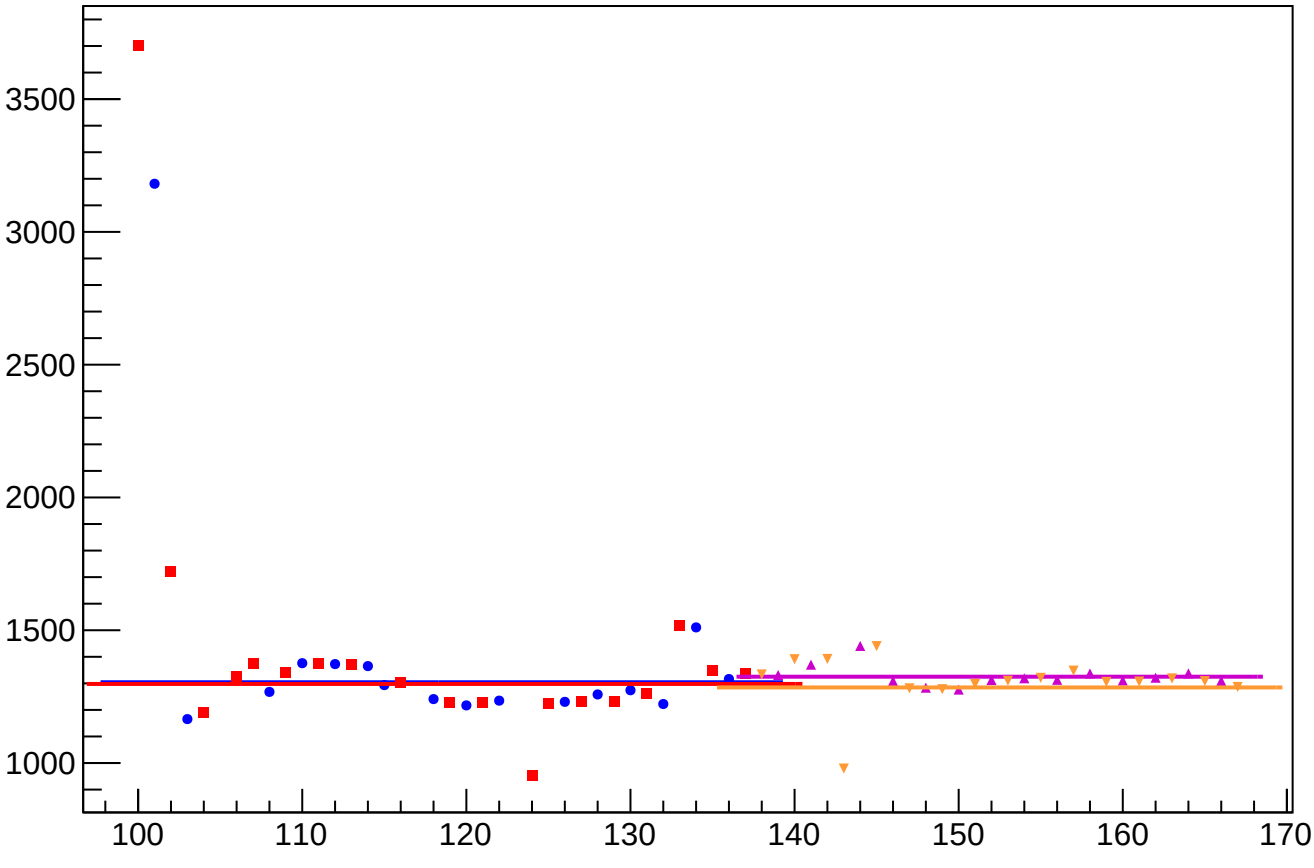
Left: 146.089+/-265.696 χ^2/NDF: 57.3/29

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -686.232+/-306.214 χ^2/NDF:26.1/29

Out: 543.906+/-290.655 χ^2/NDF:53.6/34

All: -39.118+/-210.810 χ^2/NDF: 88.1/64


eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
3500
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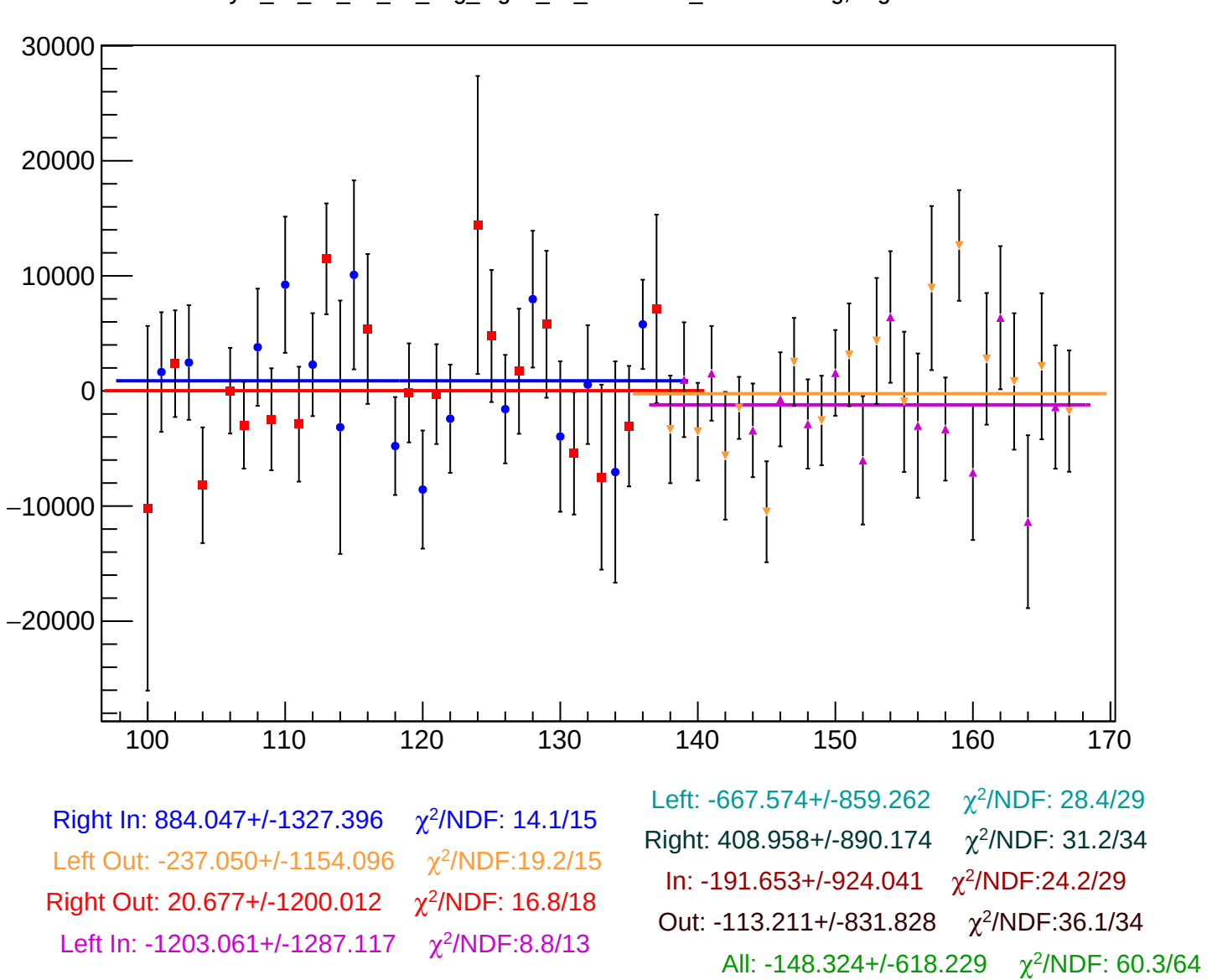
Right In: 1304.102+/-0.349 χ²/NDF: 510589.6/15
Left Out: 1284.623+/-0.257 χ²/NDF:203050.9/15
Right Out: 1297.796+/-0.343 χ²/NDF: 213097.0/18
Left In: 1325.085+/-0.276 χ²/NDF:19191.6/13
Left: 1303.390+/-0.188 χ²/NDF: 233777.4/29
Right: 1300.891+/-0.245 χ²/NDF: 723852.4/34
In: 1317.029+/-0.217 χ²/NDF:532002.4/29
Out: 1289.348+/-0.205 χ²/NDF:417093.3/34
All: 1302.464+/-0.149 χ²/NDF: 957695.3/64


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
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−10000
−20000
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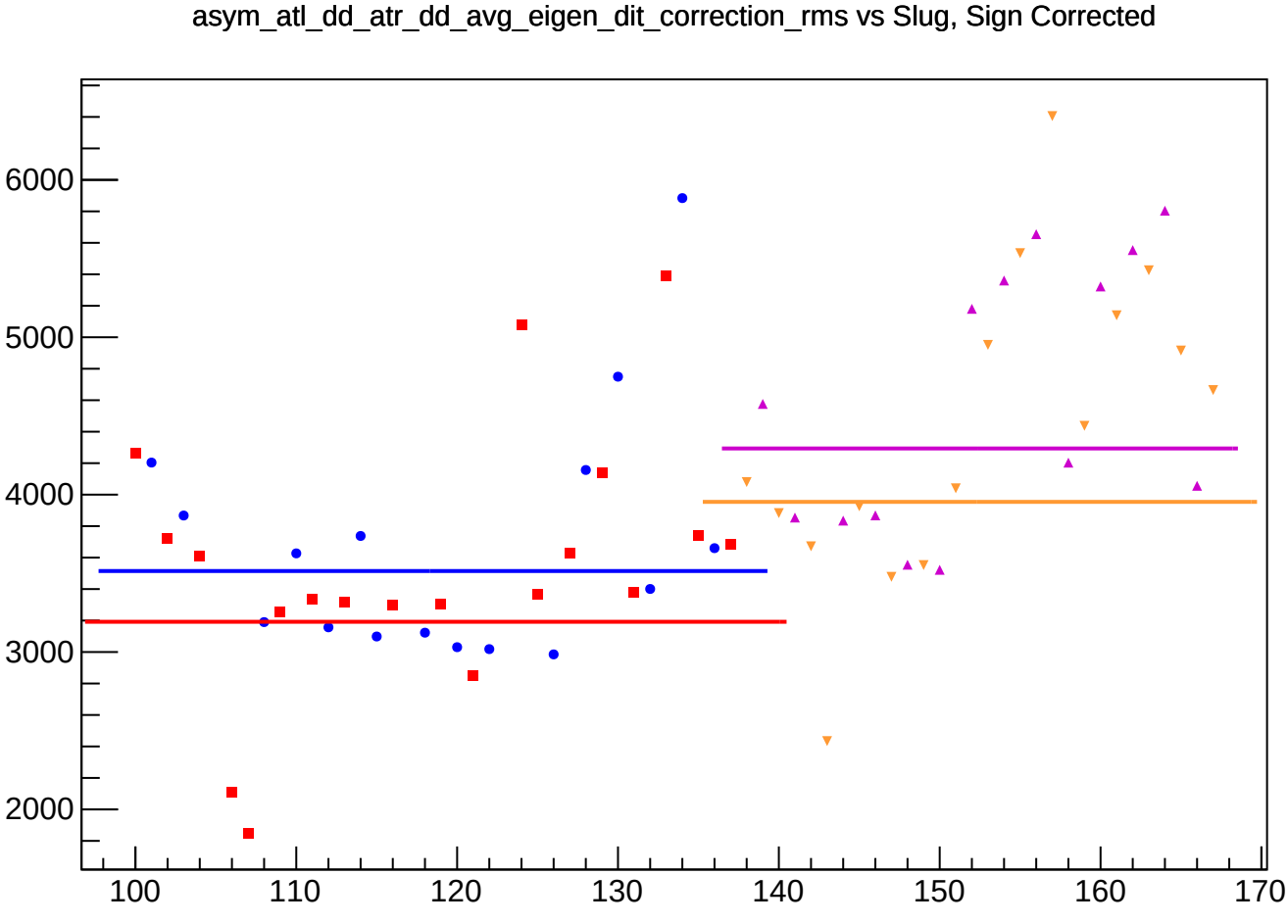
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -237.050+/-1154.096 χ²/NDF:19.2/15
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1203.061+/-1287.117 χ²/NDF:8.8/13
Left: -667.574+/-859.262 χ²/NDF: 28.4/29
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -191.653+/-924.041 χ²/NDF:24.2/29
Out: -113.211+/-831.828 χ²/NDF:36.1/34
All: -148.324+/-618.229 χ²/NDF: 60.3/64


asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
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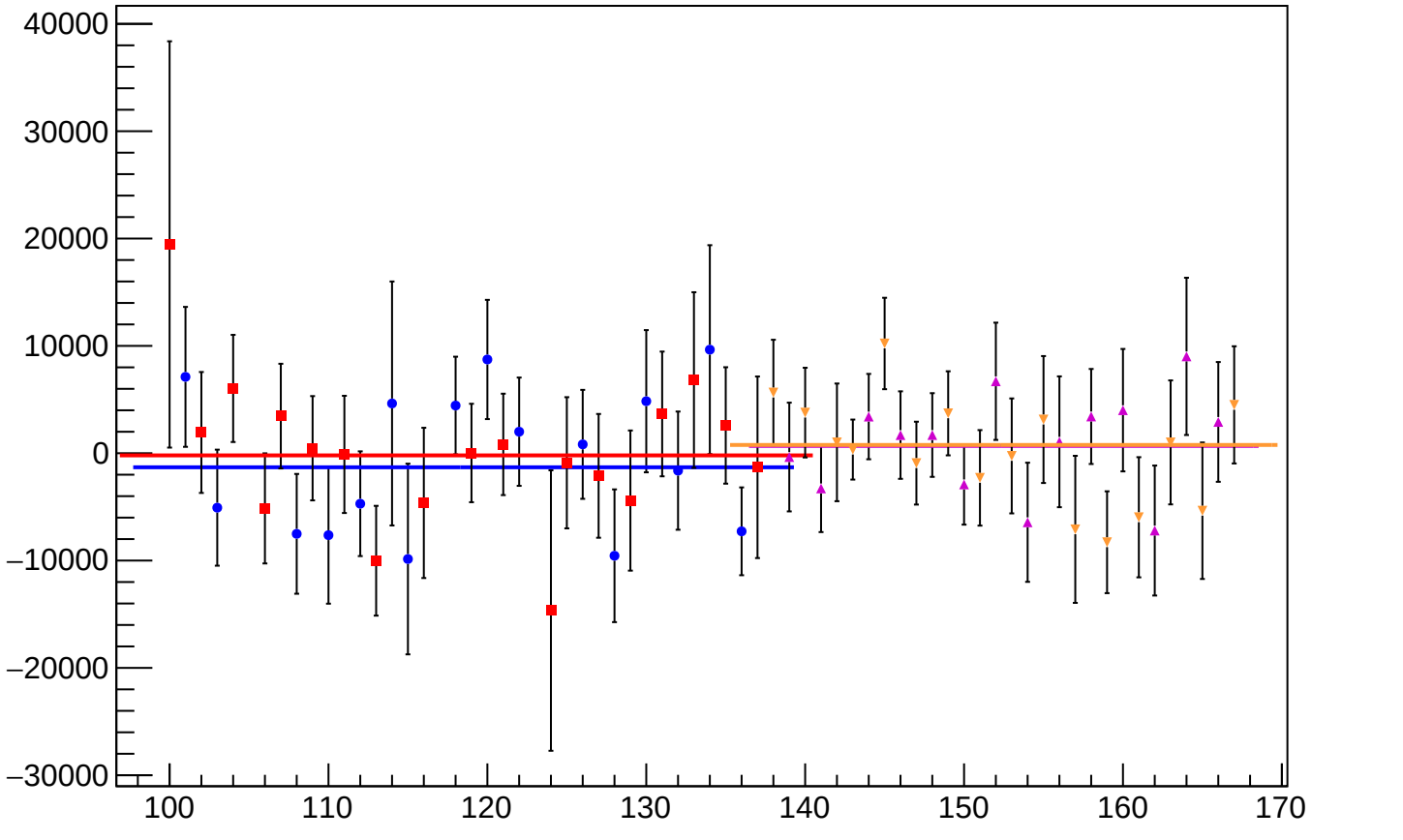
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3954.080+/-0.816 χ²/NDF:1444500.9/15
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 4293.410+/-0.910 χ²/NDF:678585.8/13
Left: 4105.310+/-0.608 χ²/NDF: 2200142.6/29
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3916.067+/-0.653 χ²/NDF:1408389.1/29
Out: 3587.992+/-0.588 χ²/NDF:2635811.6/34
All: 3734.847+/-0.437 χ²/NDF: 4183460.0/64



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 770.252+/-1156.771 χ^2/NDF:15.7/15

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 681.934+/-1277.622 χ^2/NDF:9.2/13

Left: 730.466+/-857.511 χ^2/NDF: 25.0/29

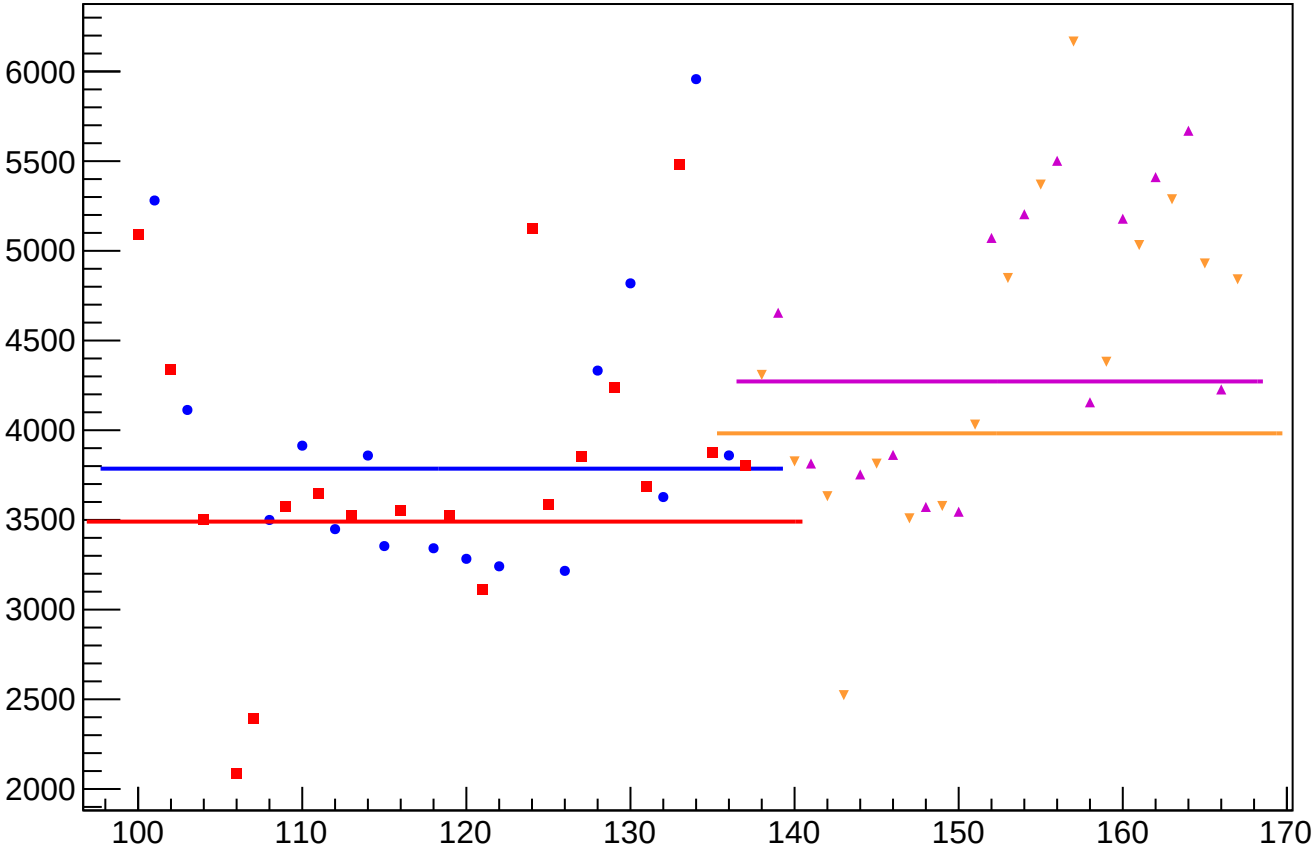
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -200.882+/-953.230 χ^2/NDF:27.9/29

Out: 353.867+/-874.532 χ^2/NDF:27.7/34

All: 100.334+/-644.416 χ^2/NDF: 55.7/64

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF:1266133.9/15

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4271.917+/-0.903 χ^2/NDF:606988.2/13

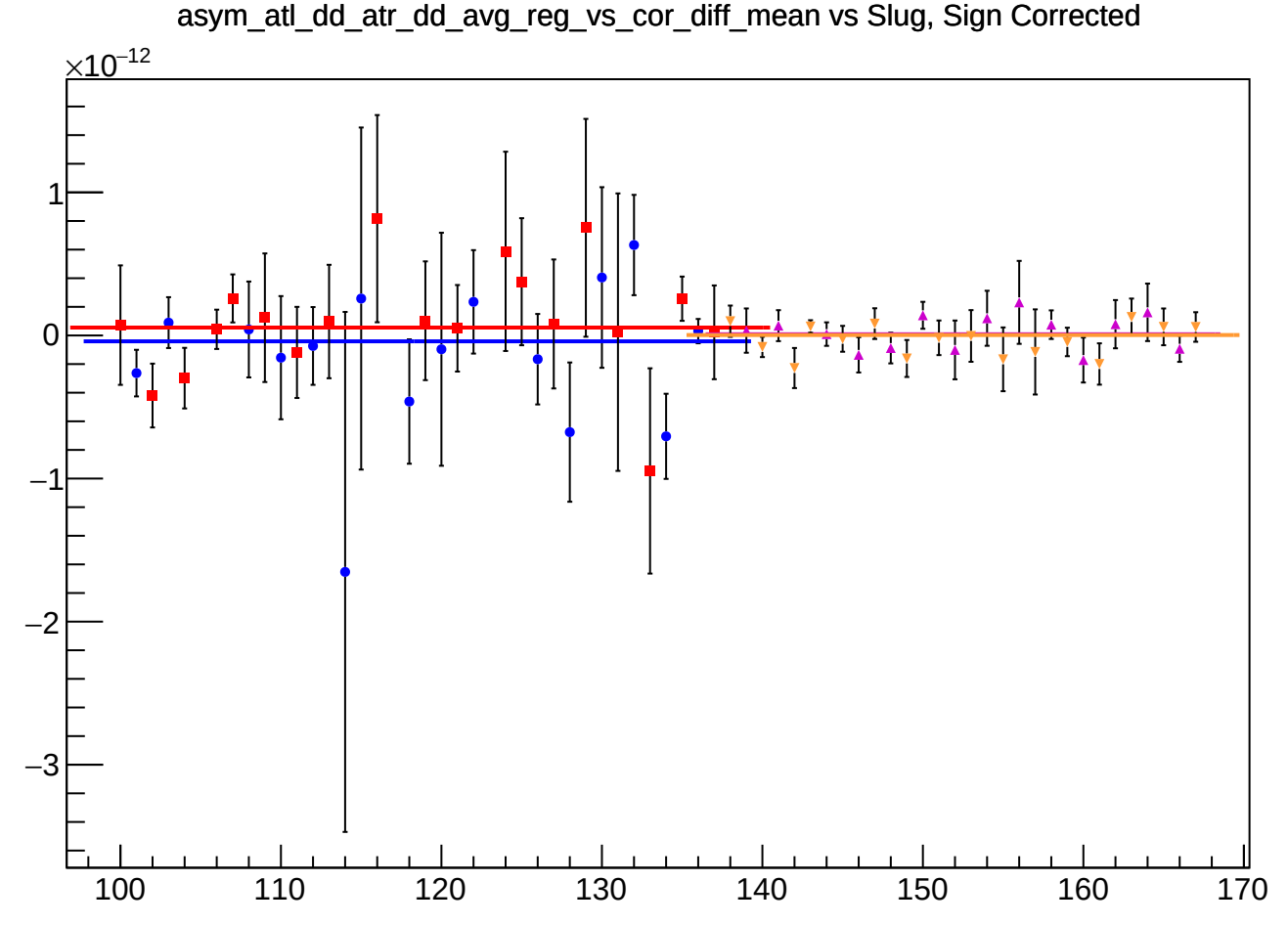
Left: 4112.933+/-0.606 χ^2/NDF: 1929479.1/29

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4056.388+/-0.674 χ^2/NDF:1118360.3/29

Out: 3768.497+/-0.615 χ^2/NDF:2010290.2/34

All: 3899.224+/-0.454 χ^2/NDF: 3228241.3/64



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/13

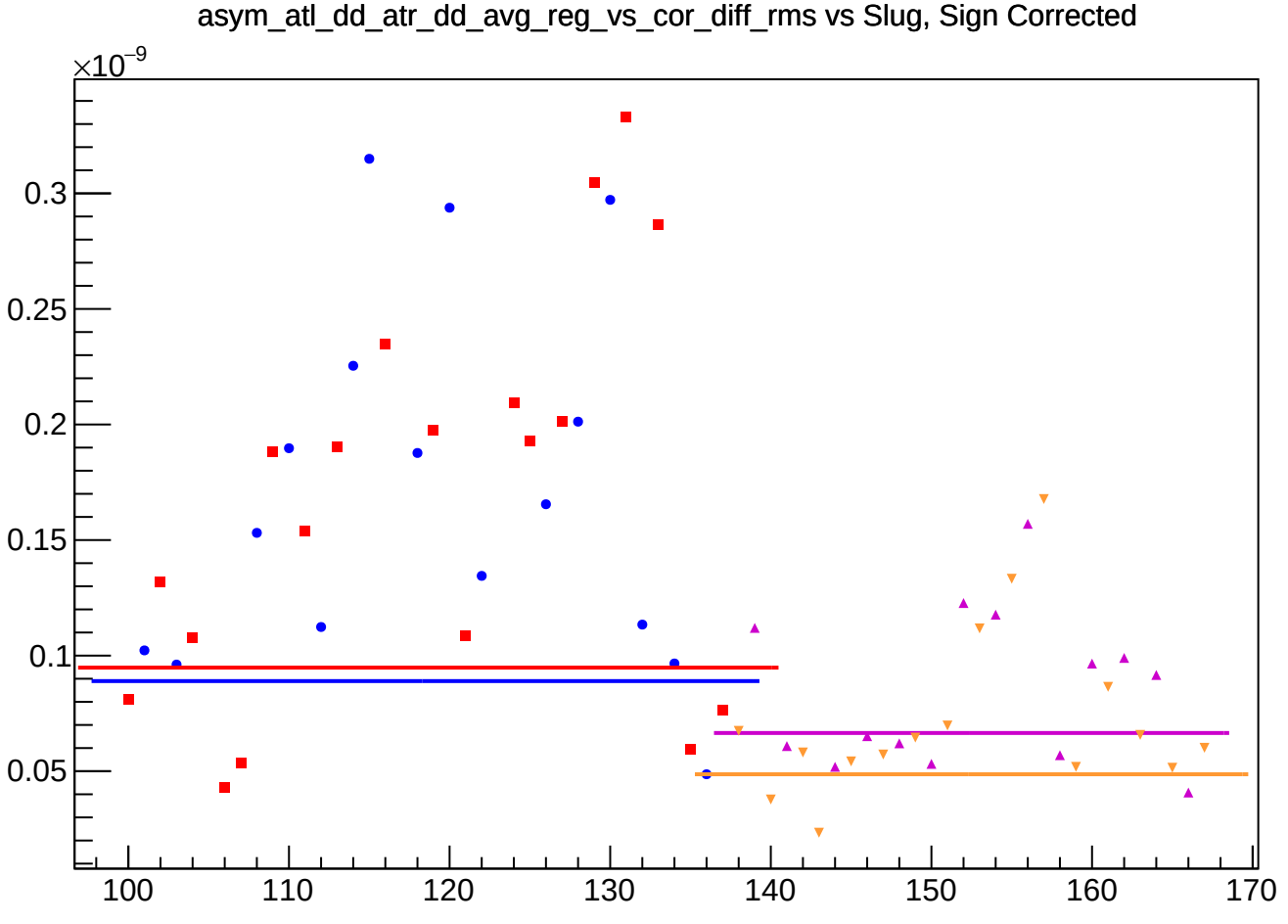
Left: 0.000+/-0.000 χ^2/NDF: 22.8/29

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:26.6/29

Out: 0.000+/-0.000 χ^2/NDF:29.8/34

All: 0.000+/-0.000 χ^2/NDF: 56.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1941642.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1128190.6/13

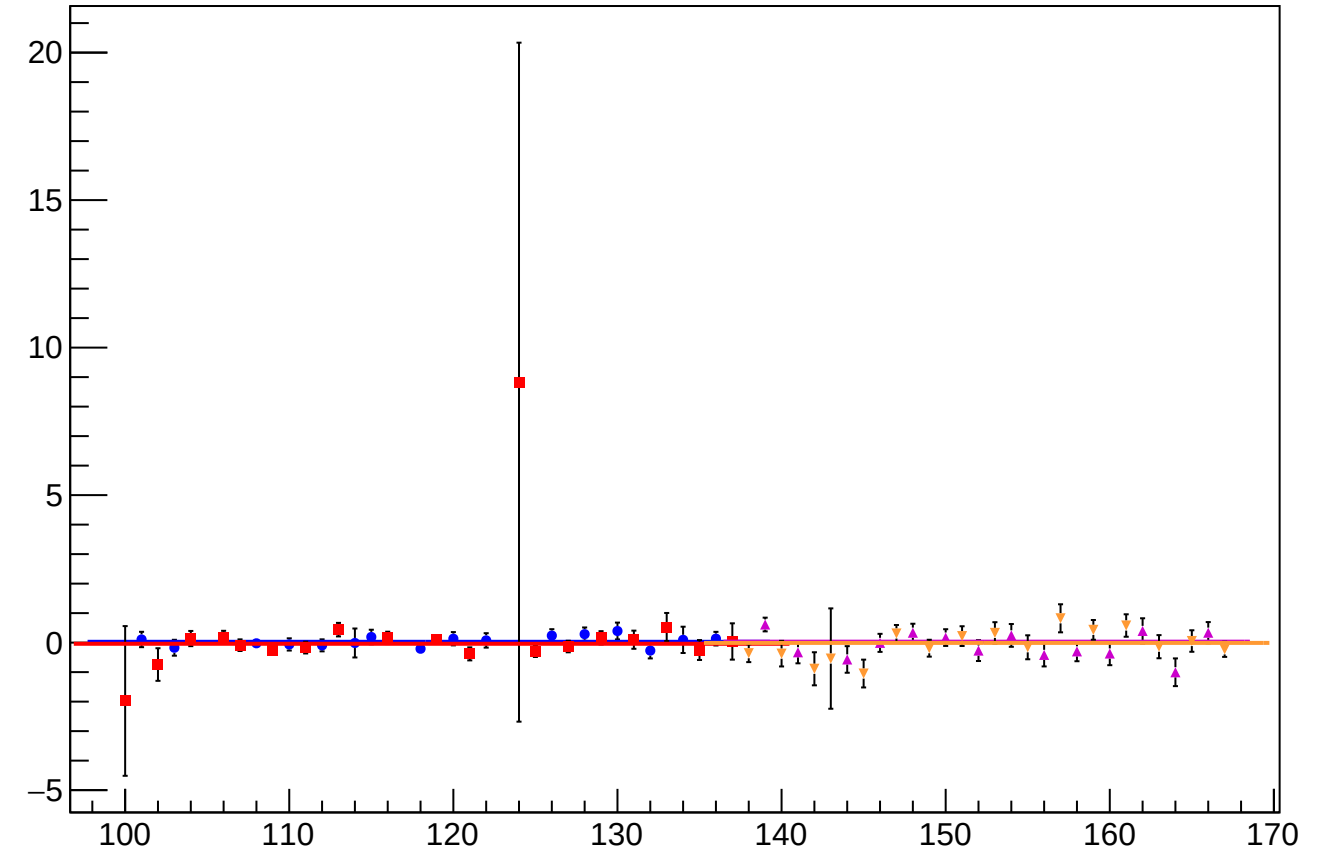
Left: 0.000+/-0.000 χ^2/NDF: 3444879.0/29

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2809987.2/29

Out: 0.000+/-0.000 χ^2/NDF:4580235.9/34

All: 0.000+/-0.000 χ^2/NDF: 7820335.9/64



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

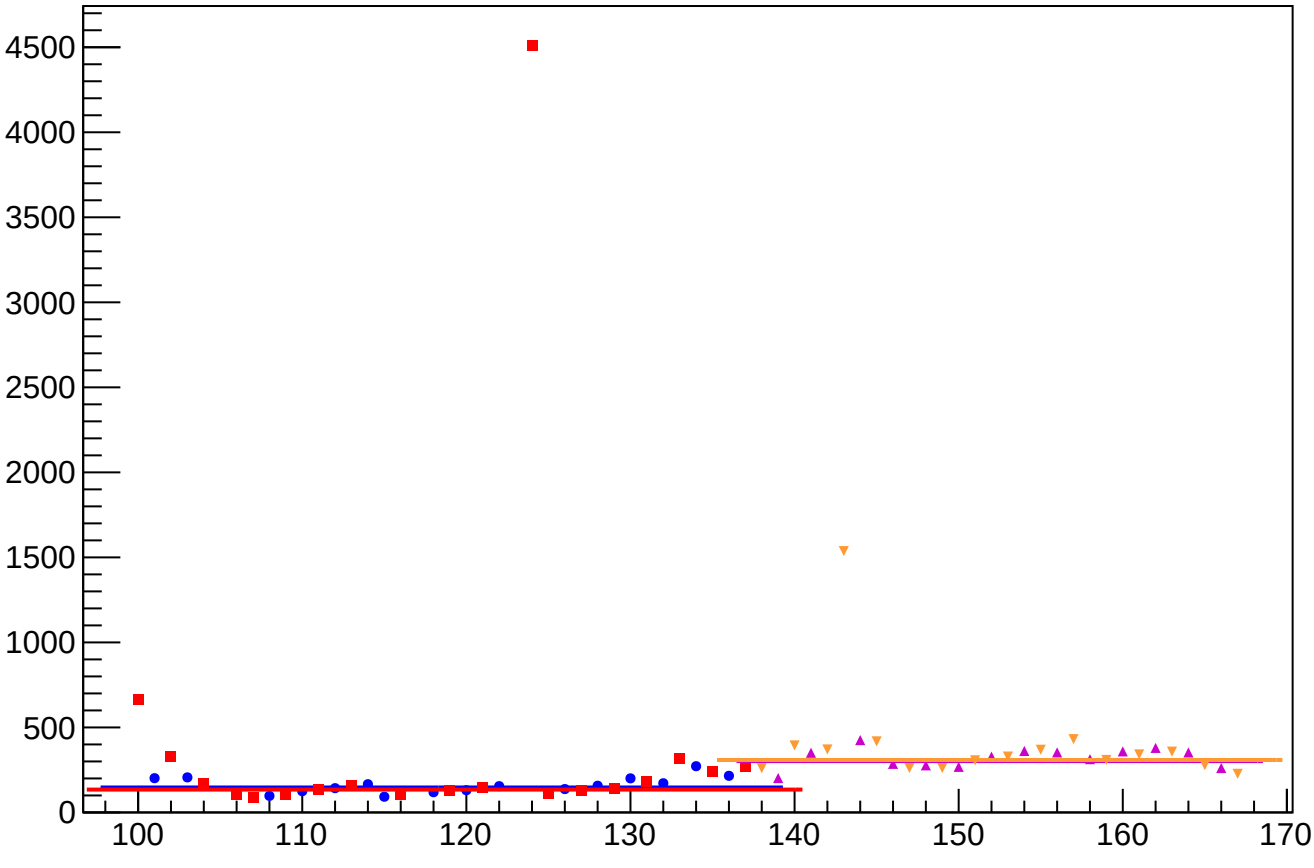
Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

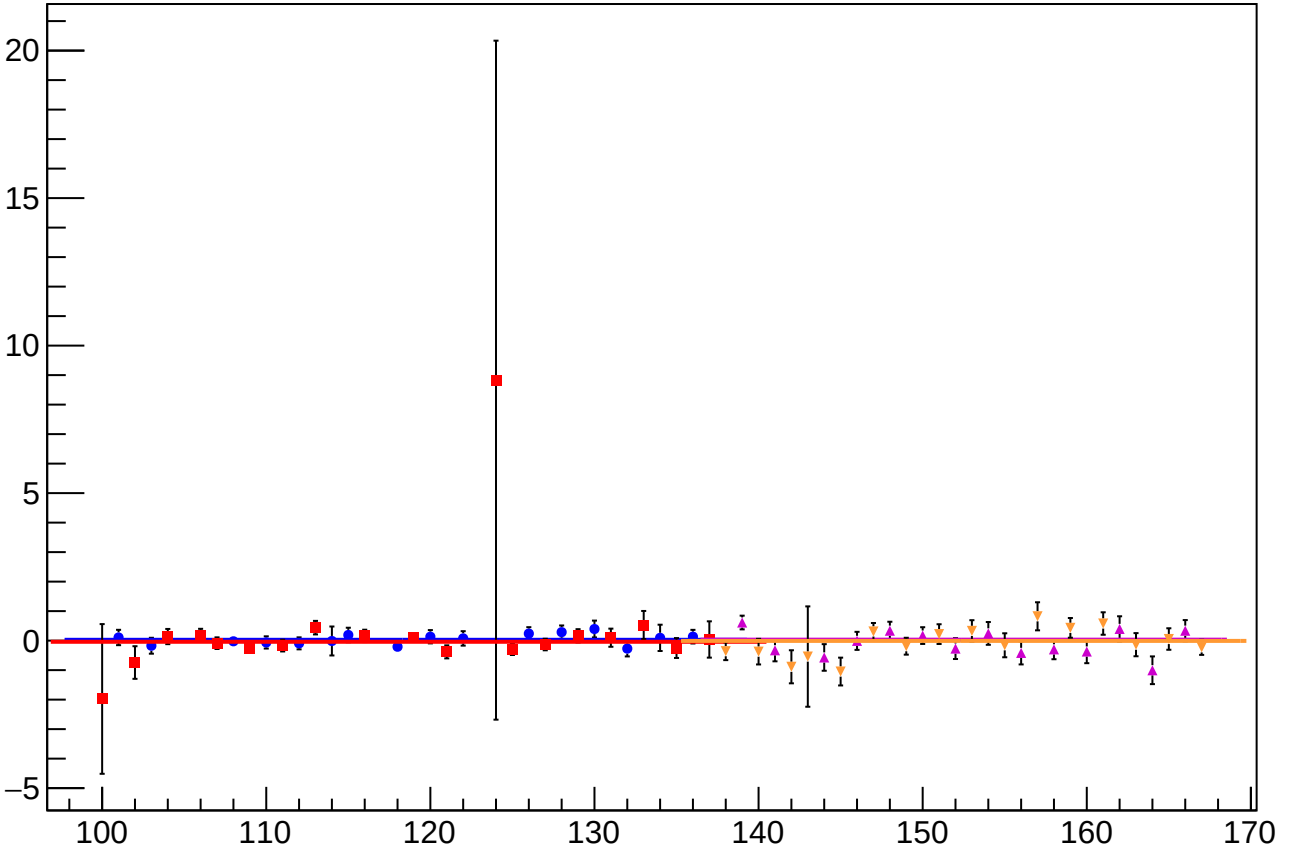
In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
Right In: 146.829+/-0.041 χ²/NDF: 998704.7/15
Left Out: 308.672+/-0.064 χ²/NDF:1856686.7/15
Right Out: 134.505+/-0.039 χ²/NDF: 1606383.2/18
Left In: 302.097+/-0.065 χ²/NDF:849625.7/13
Left: 305.411+/-0.046 χ²/NDF: 2711485.2/29
Right: 140.347+/-0.028 χ²/NDF: 2653079.7/34
In: 190.820+/-0.035 χ²/NDF:5951209.9/29
Out: 180.802+/-0.033 χ²/NDF:8837352.9/34
All: 185.611+/-0.024 χ²/NDF: 14832301.6/64

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

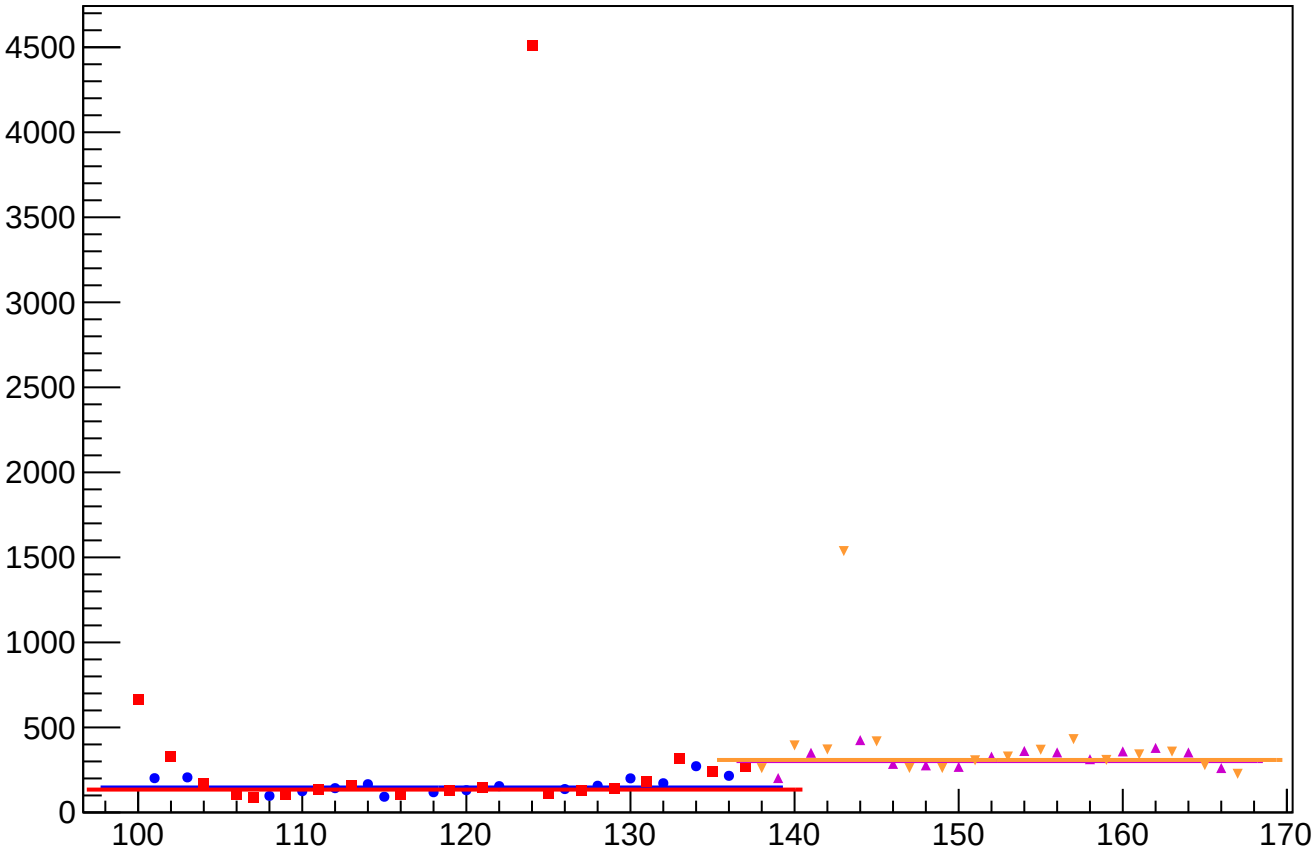
Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

Left: 305.411+/-0.046 χ^2/NDF: 2711485.2/29

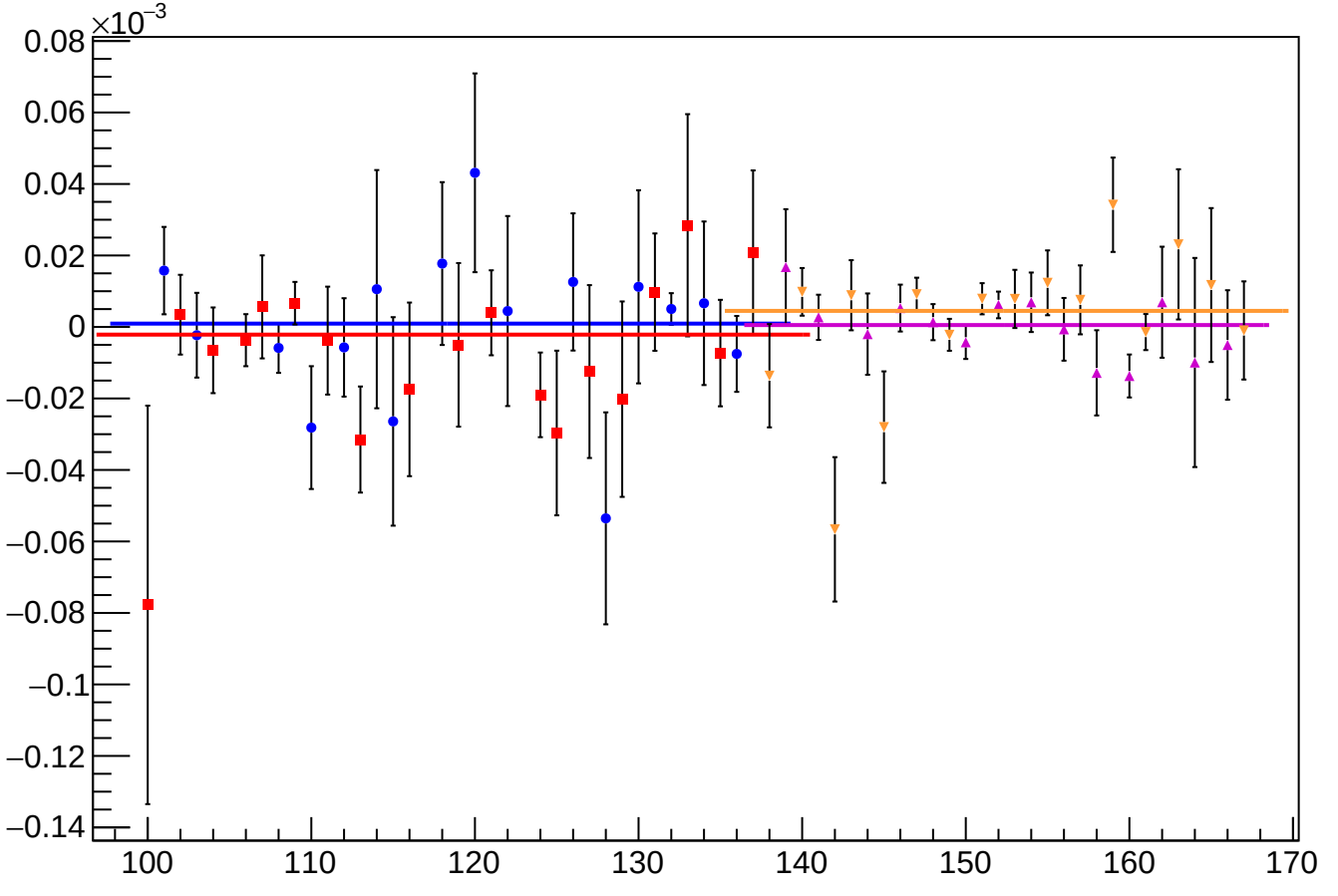
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 185.611+/-0.024 χ^2/NDF: 14832301.6/64

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/13

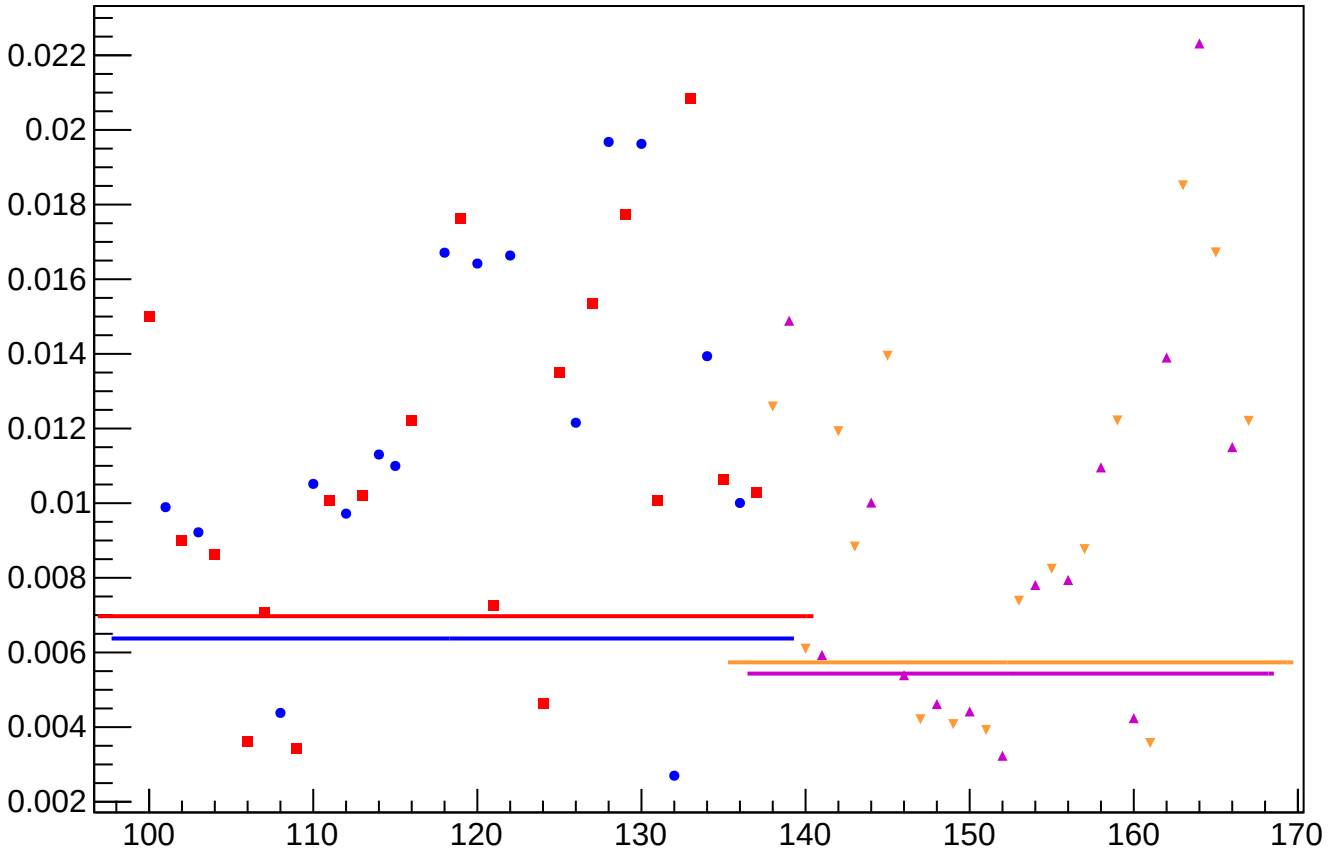
Left: 0.000+/-0.000 χ^2/NDF: 43.5/29

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.9/29

Out: 0.000+/-0.000 χ^2/NDF:47.8/34

All: 0.000+/-0.000 χ^2/NDF: 76.5/64



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5220472.8/15

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4269470.8/13

Left: 0.006+/-0.000 χ^2/NDF: 9515991.0/29

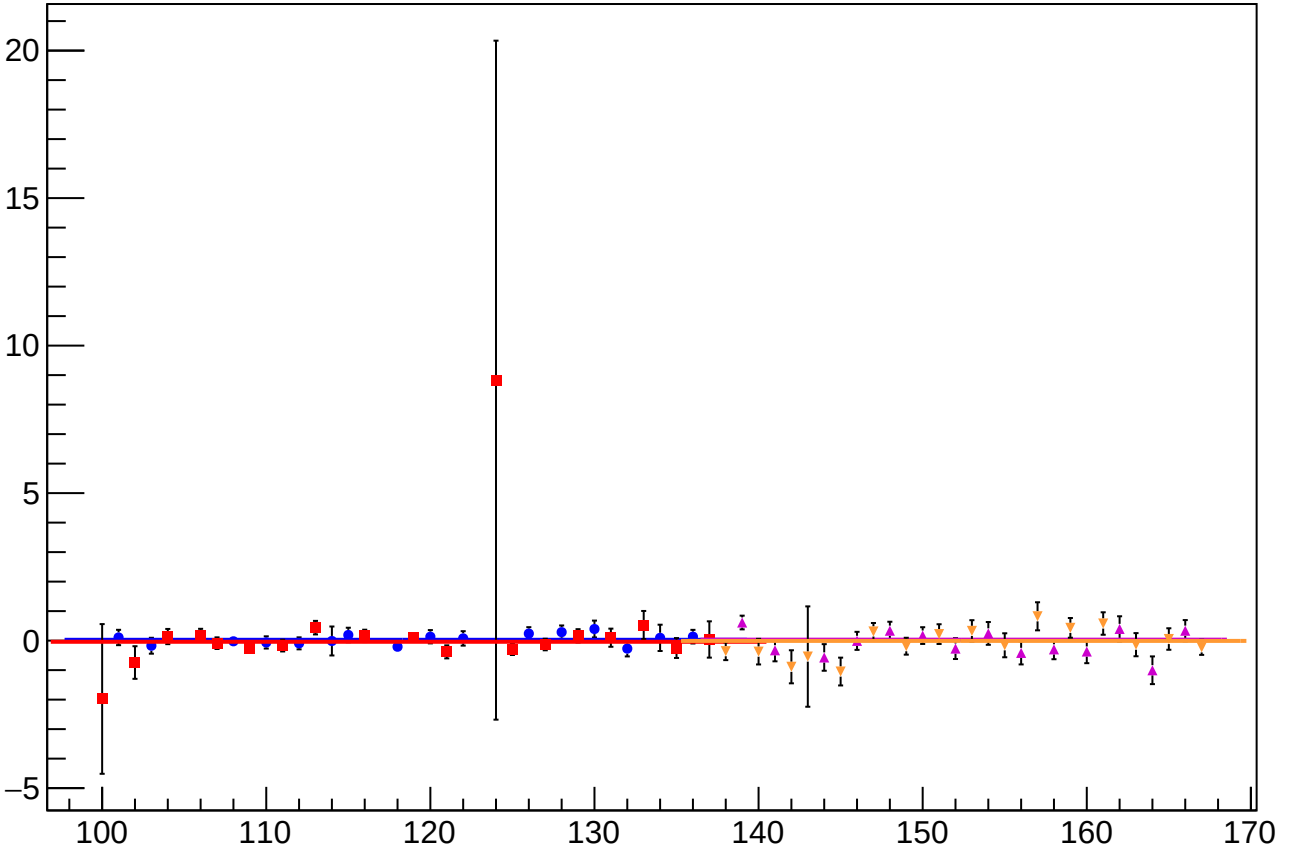
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:9056088.5/29

Out: 0.006+/-0.000 χ^2/NDF:8873534.4/34

All: 0.006+/-0.000 χ^2/NDF: 17985534.8/64

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

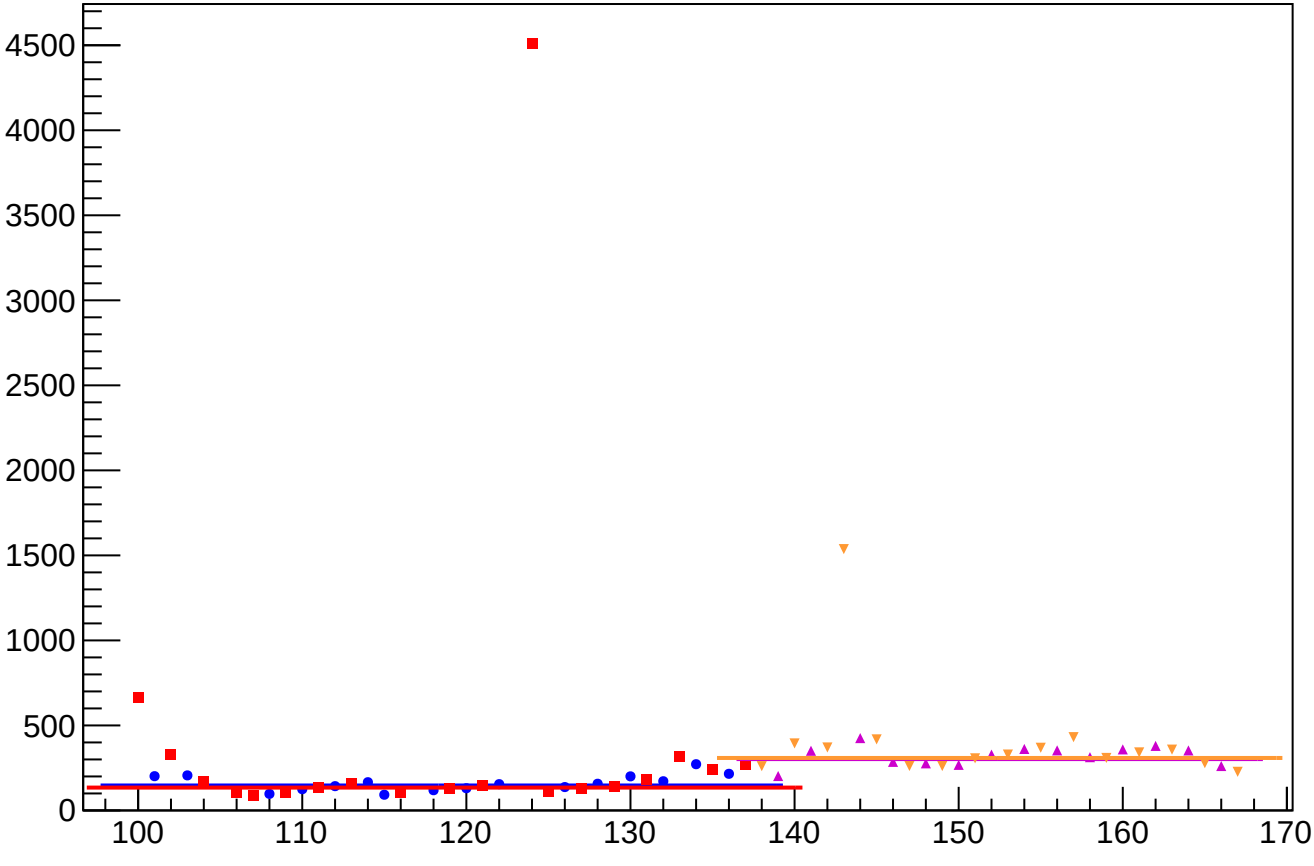
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

Left: 305.415+/-0.046 χ^2/NDF: 2711497.4/29

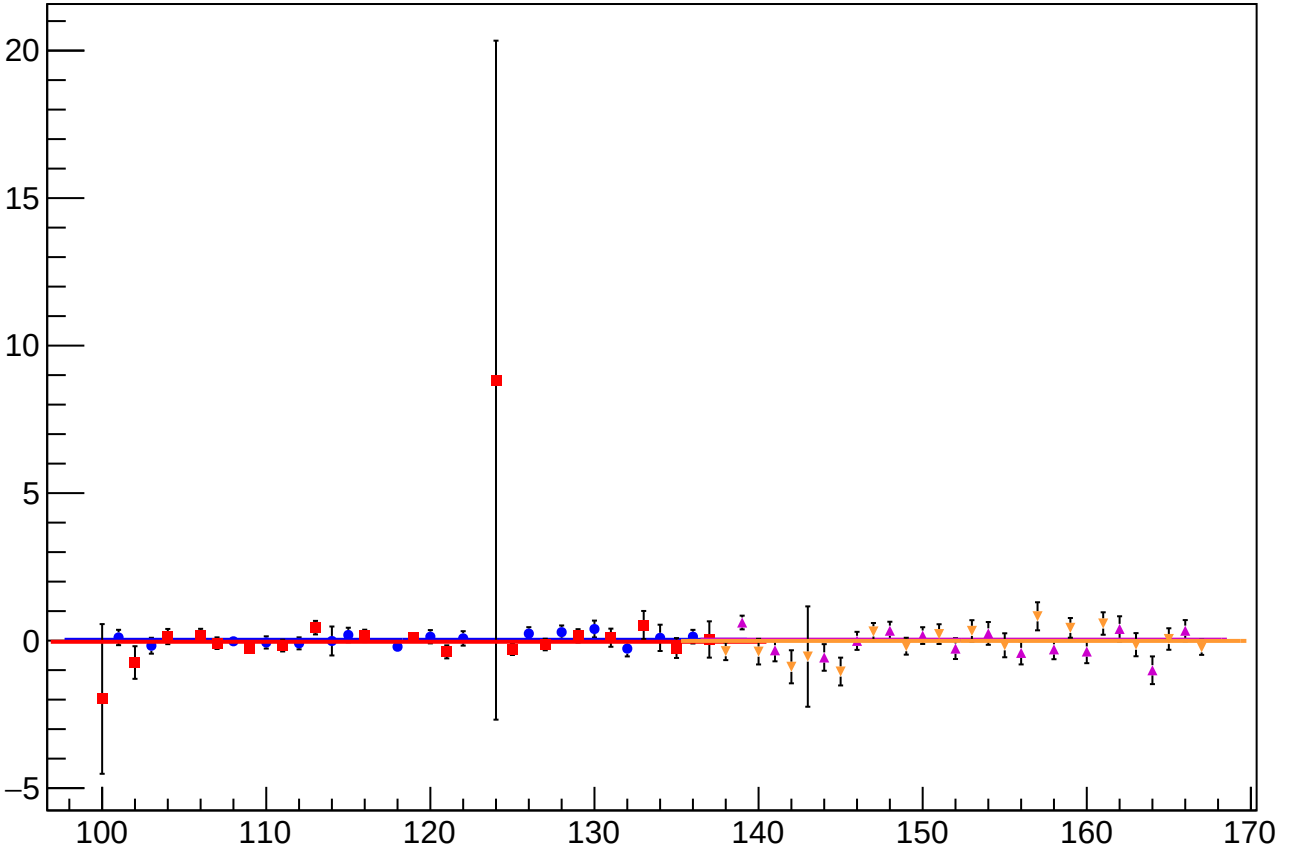
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 185.612+/-0.024 χ^2/NDF: 14832371.8/64

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

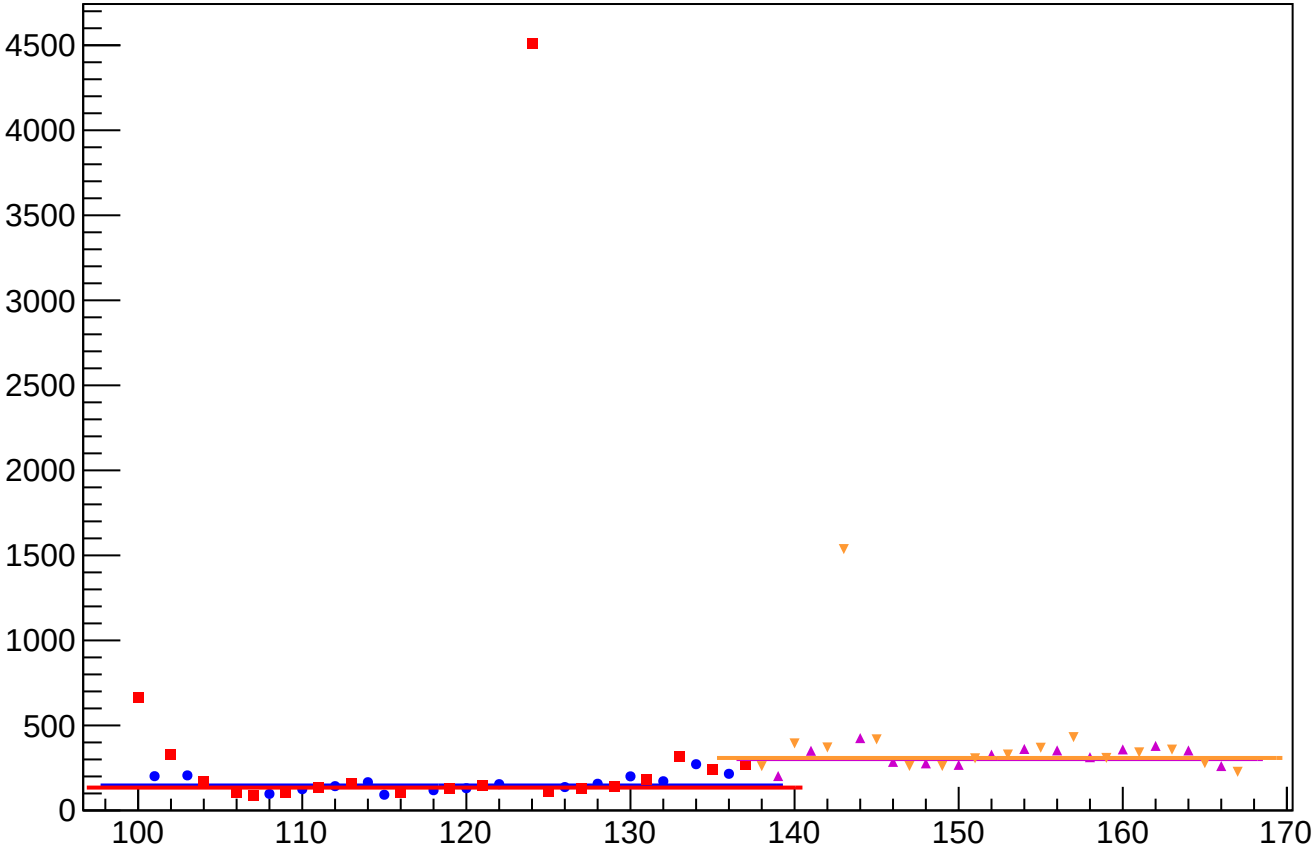
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

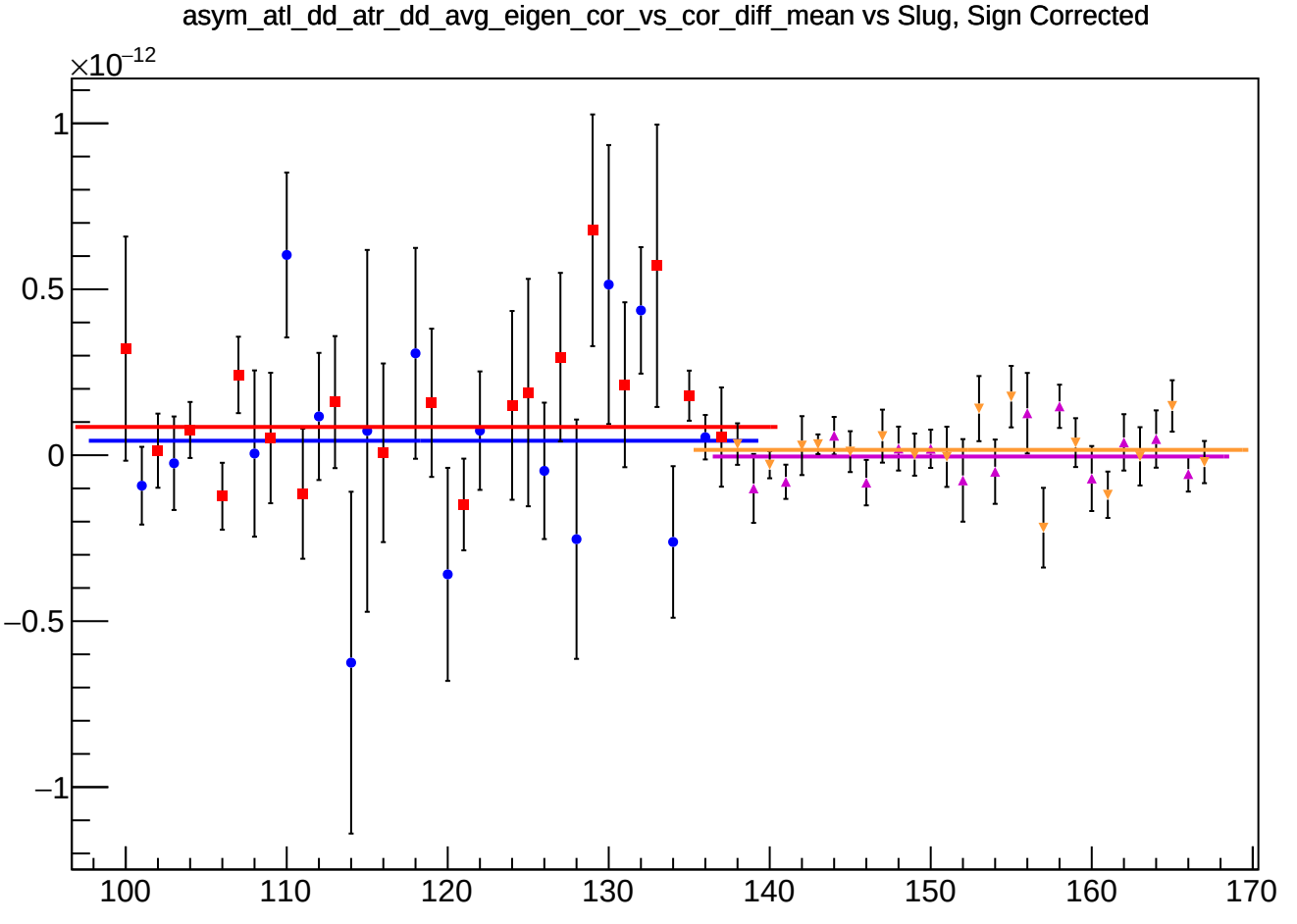
Left: 305.415+/-0.046 χ^2/NDF: 2711497.4/29

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 185.612+/-0.024 χ^2/NDF: 14832371.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/13

Left: 0.000+/-0.000 χ^2/NDF: 33.3/29

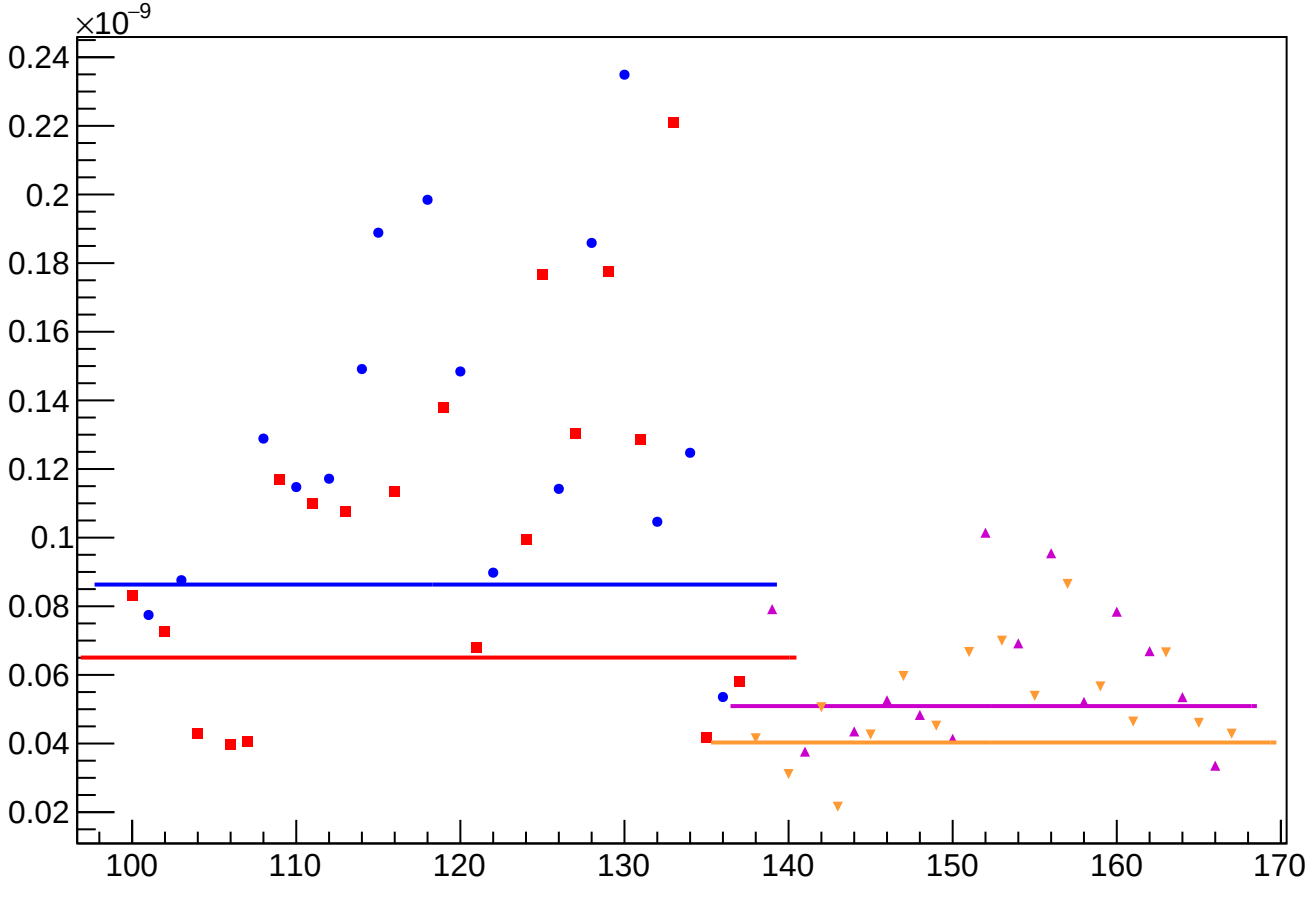
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/29

Out: 0.000+/-0.000 χ^2/NDF:39.1/34

All: 0.000+/-0.000 χ^2/NDF: 75.3/64

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1490918.5/13

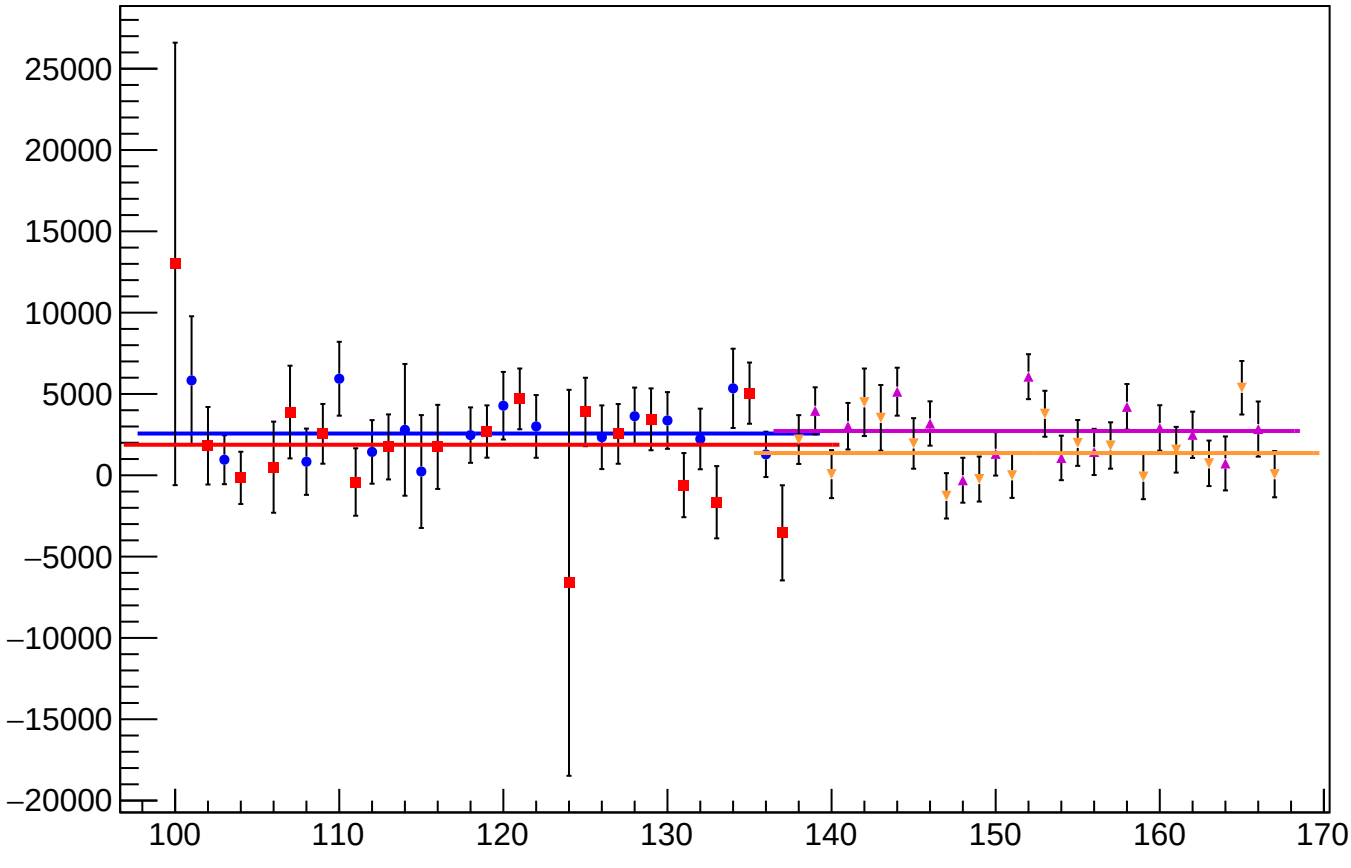
Left: 0.000+/-0.000 χ^2/NDF: 3917360.1/29

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4200915.6/29

Out: 0.000+/-0.000 χ^2/NDF:5081557.8/34

All: 0.000+/-0.000 χ^2/NDF: 9879379.1/64



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1367.249+/-371.537 χ^2/NDF:21.8/15

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2724.002+/-382.705 χ^2/NDF:20.2/13

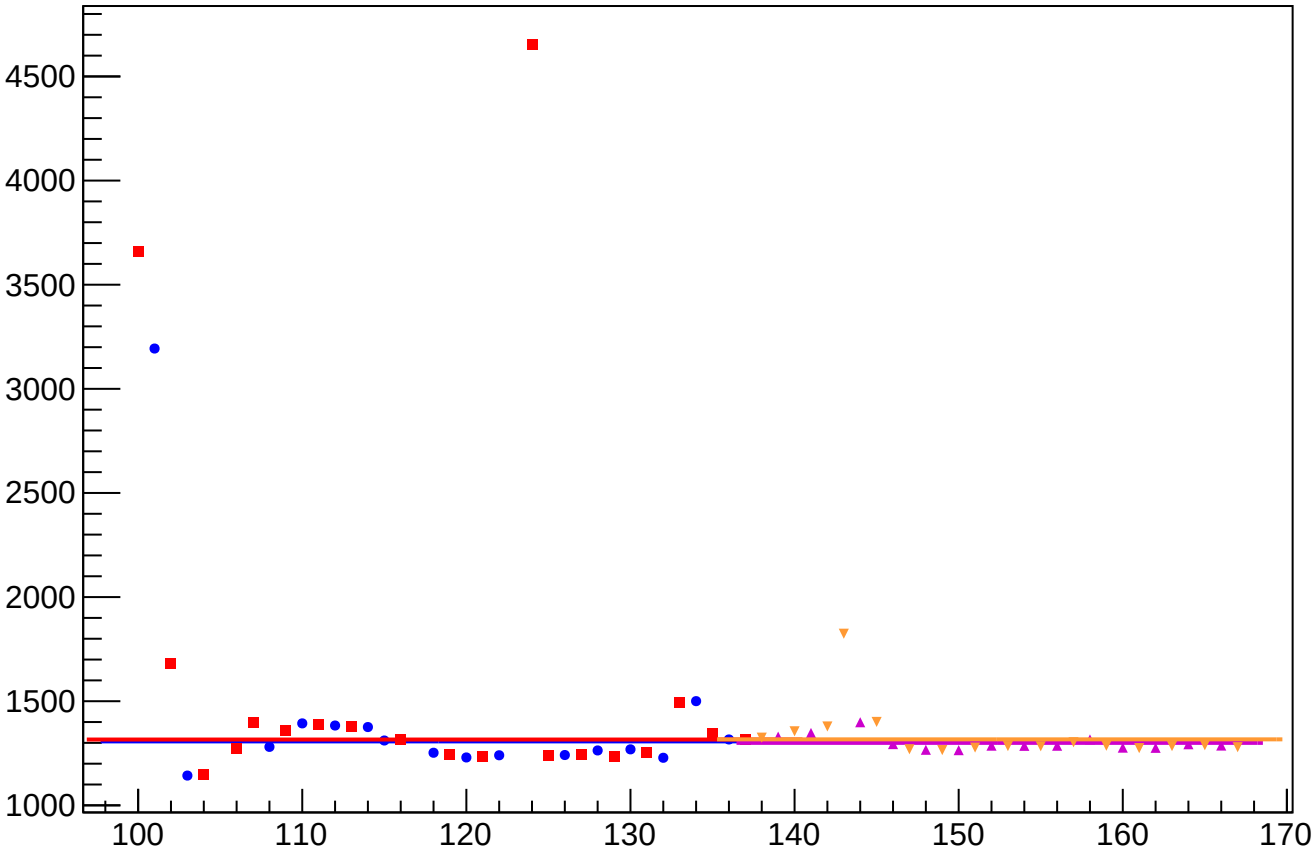
Left: 2025.541+/-266.577 χ^2/NDF: 48.5/29

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2665.491+/-302.851 χ^2/NDF:29.3/29

Out: 1551.446+/-297.086 χ^2/NDF:42.0/34

All: 2097.763+/-212.081 χ^2/NDF: 78.3/64



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1316.856+/-0.263 χ^2/NDF:150139.3/15

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1299.952+/-0.271 χ^2/NDF:16758.9/13

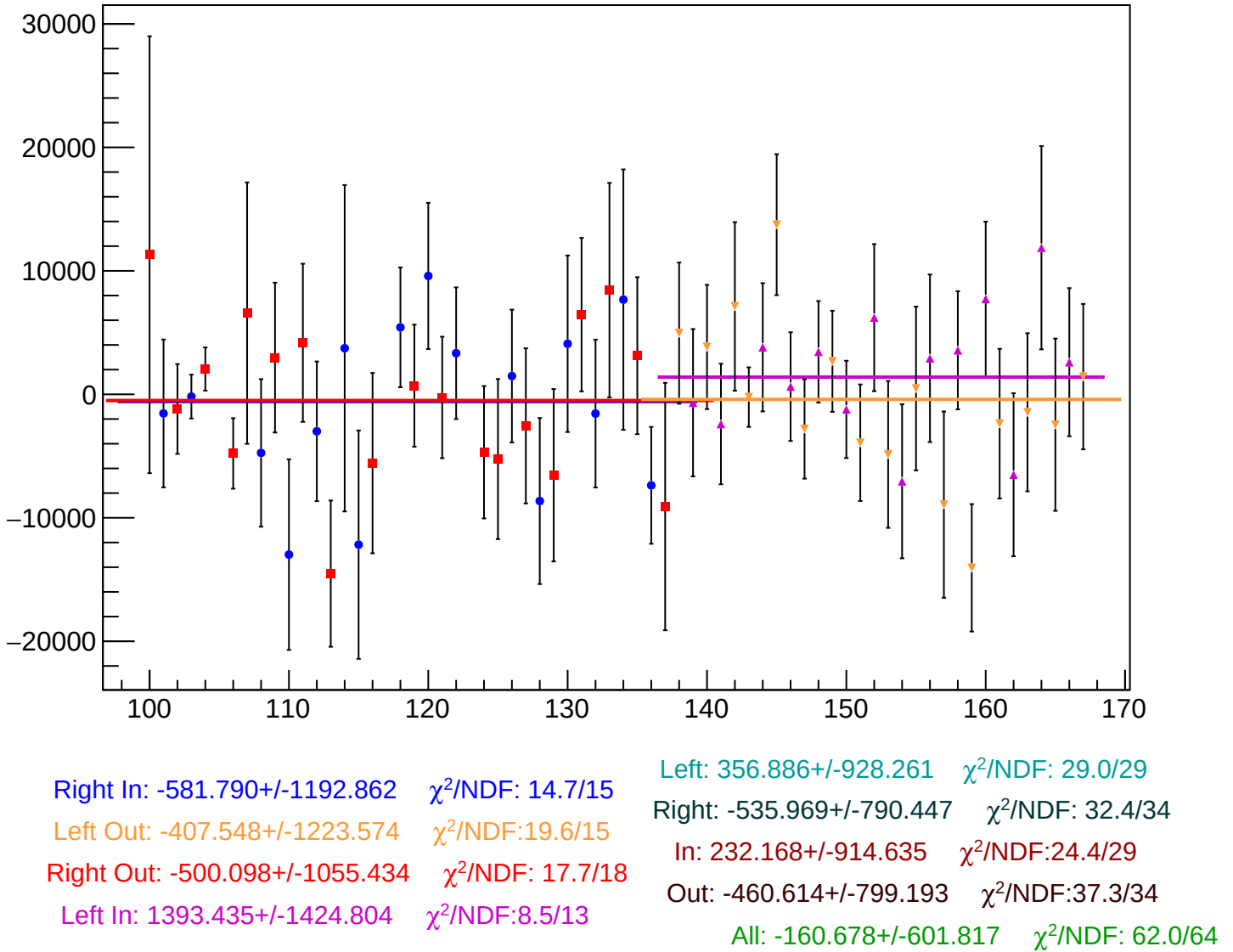
Left: 1308.654+/-0.188 χ^2/NDF: 168907.0/29

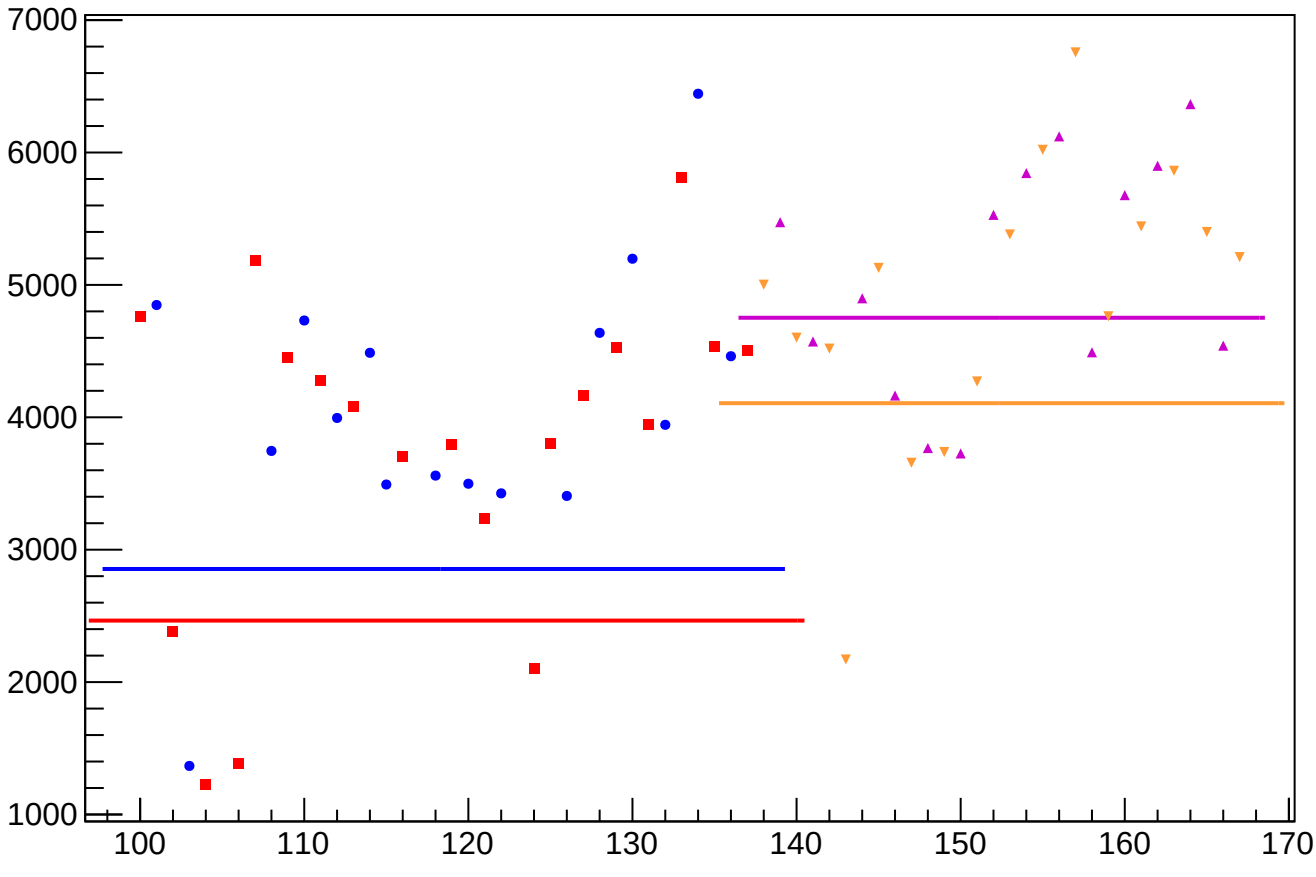
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1302.612+/-0.214 χ^2/NDF:533266.4/29

Out: 1316.546+/-0.210 χ^2/NDF:476563.1/34

All: 1309.720+/-0.150 χ^2/NDF: 1011989.2/64


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -581.790+/-1192.862 χ²/NDF: 14.7/15
Left Out: -407.548+/-1223.574 χ²/NDF:19.6/15
Right Out: -500.098+/-1055.434 χ²/NDF: 17.7/18
Left In: 1393.435+/-1424.804 χ²/NDF:8.5/13
Left: 356.886+/-928.261 χ²/NDF: 29.0/29
Right: -535.969+/-790.447 χ²/NDF: 32.4/34
In: 232.168+/-914.635 χ²/NDF:24.4/29
Out: -460.614+/-799.193 χ²/NDF:37.3/34
All: -160.678+/-601.817 χ²/NDF: 62.0/64



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4106.590+/-0.865 χ^2/NDF:2397438.5/15

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4751.862+/-1.007 χ^2/NDF:685440.3/13

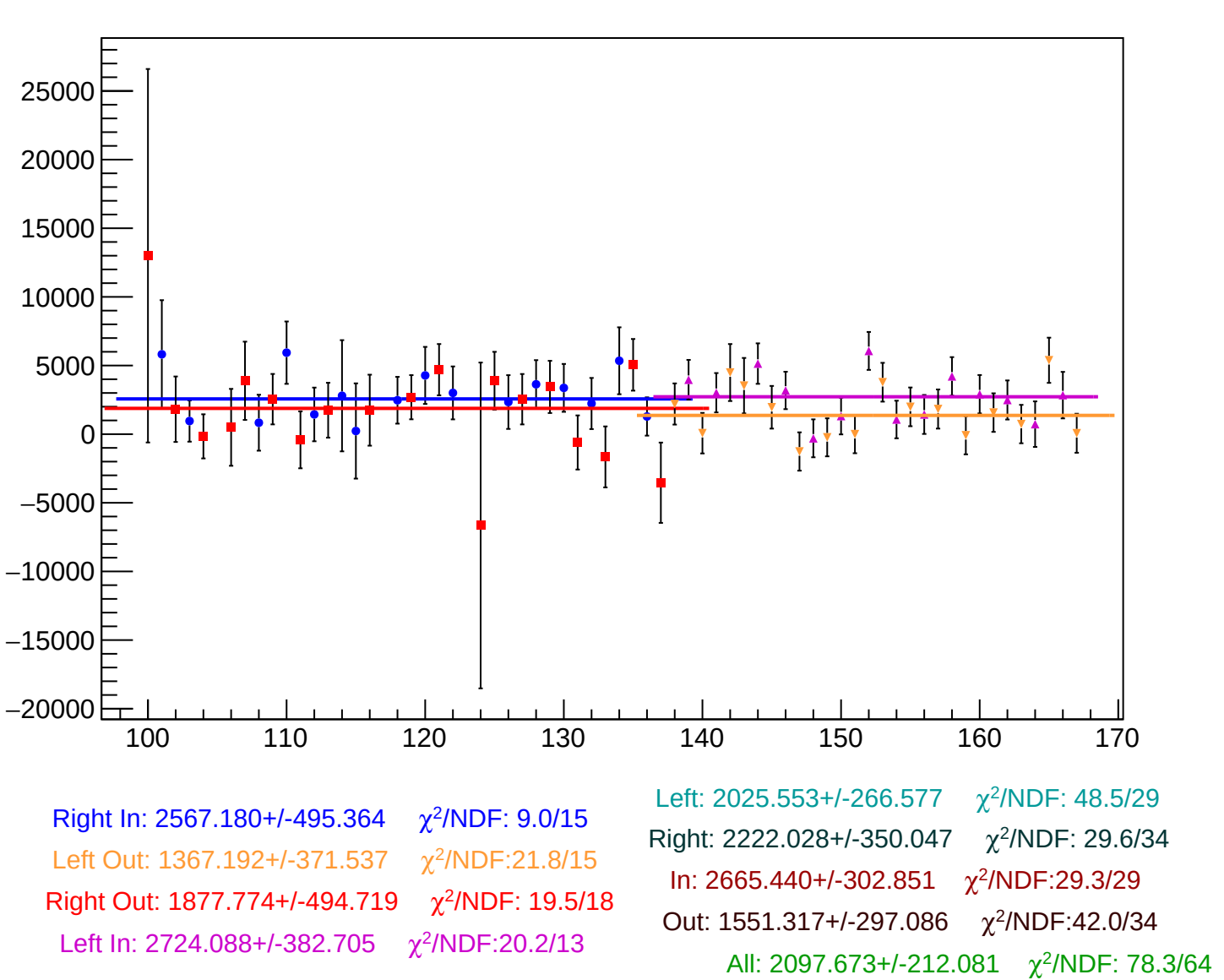
Left: 4380.478+/-0.656 χ^2/NDF: 3318973.5/29

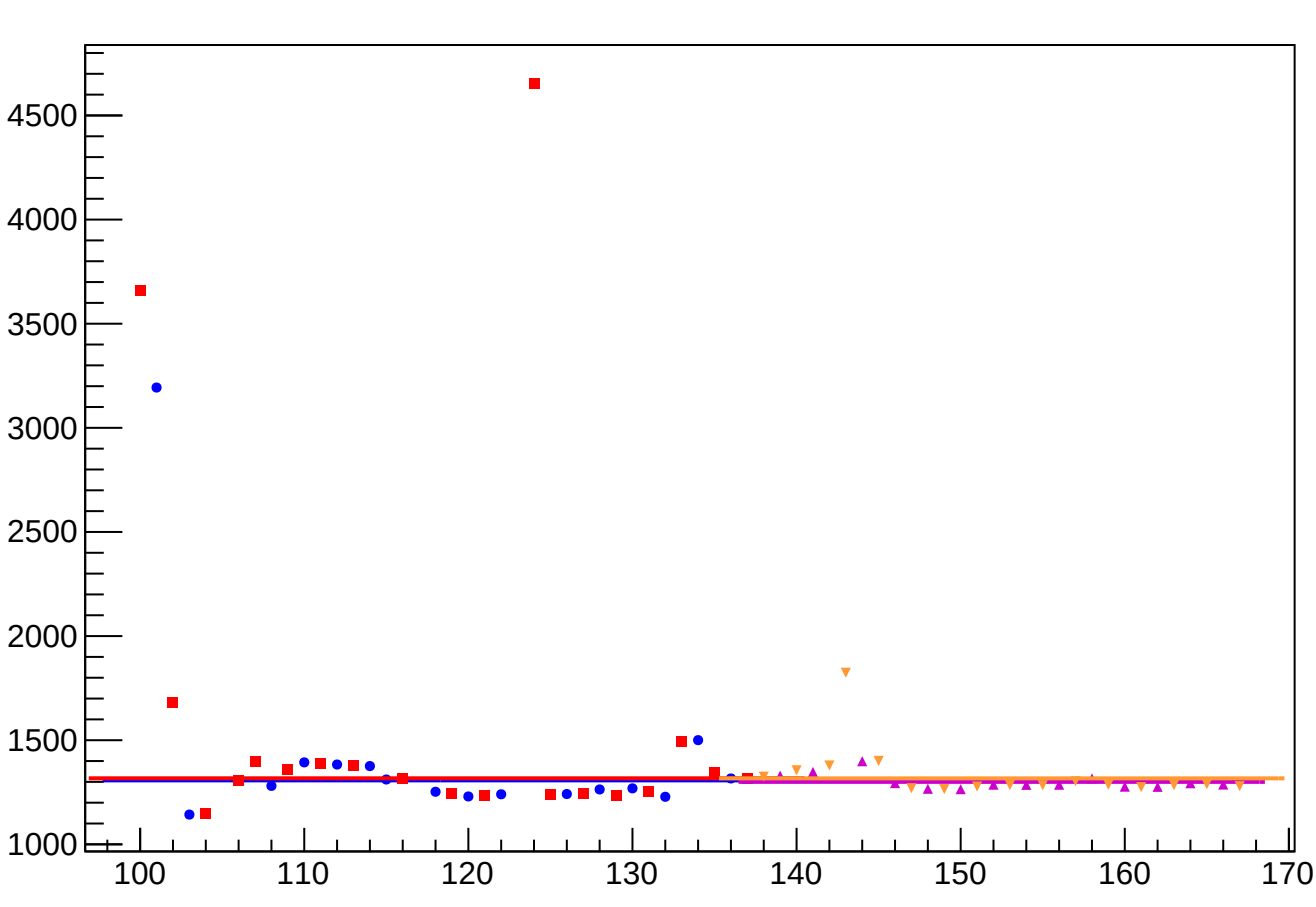
Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3636.254+/-0.647 χ^2/NDF:5675844.6/29

Out: 3165.104+/-0.565 χ^2/NDF:7818553.6/34

All: 3369.086+/-0.426 χ^2/NDF: 13795336.6/6


cor_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 2567.180+/-495.364 χ²/NDF: 9.0/15
Left Out: 1367.192+/-371.537 χ²/NDF:21.8/15
Right Out: 1877.774+/-494.719 χ²/NDF: 19.5/18
Left In: 2724.088+/-382.705 χ²/NDF:20.2/13
Left: 2025.553+/-266.577 χ²/NDF: 48.5/29
Right: 2222.028+/-350.047 χ²/NDF: 29.6/34
In: 2665.440+/-302.851 χ²/NDF:29.3/29
Out: 1551.317+/-297.086 χ²/NDF:42.0/34
All: 2097.673+/-212.081 χ²/NDF: 78.3/64



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1316.856+/-0.263 χ^2/NDF:150139.3/15

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1299.952+/-0.271 χ^2/NDF:16758.9/13

Left: 1308.654+/-0.188 χ^2/NDF: 168907.0/29

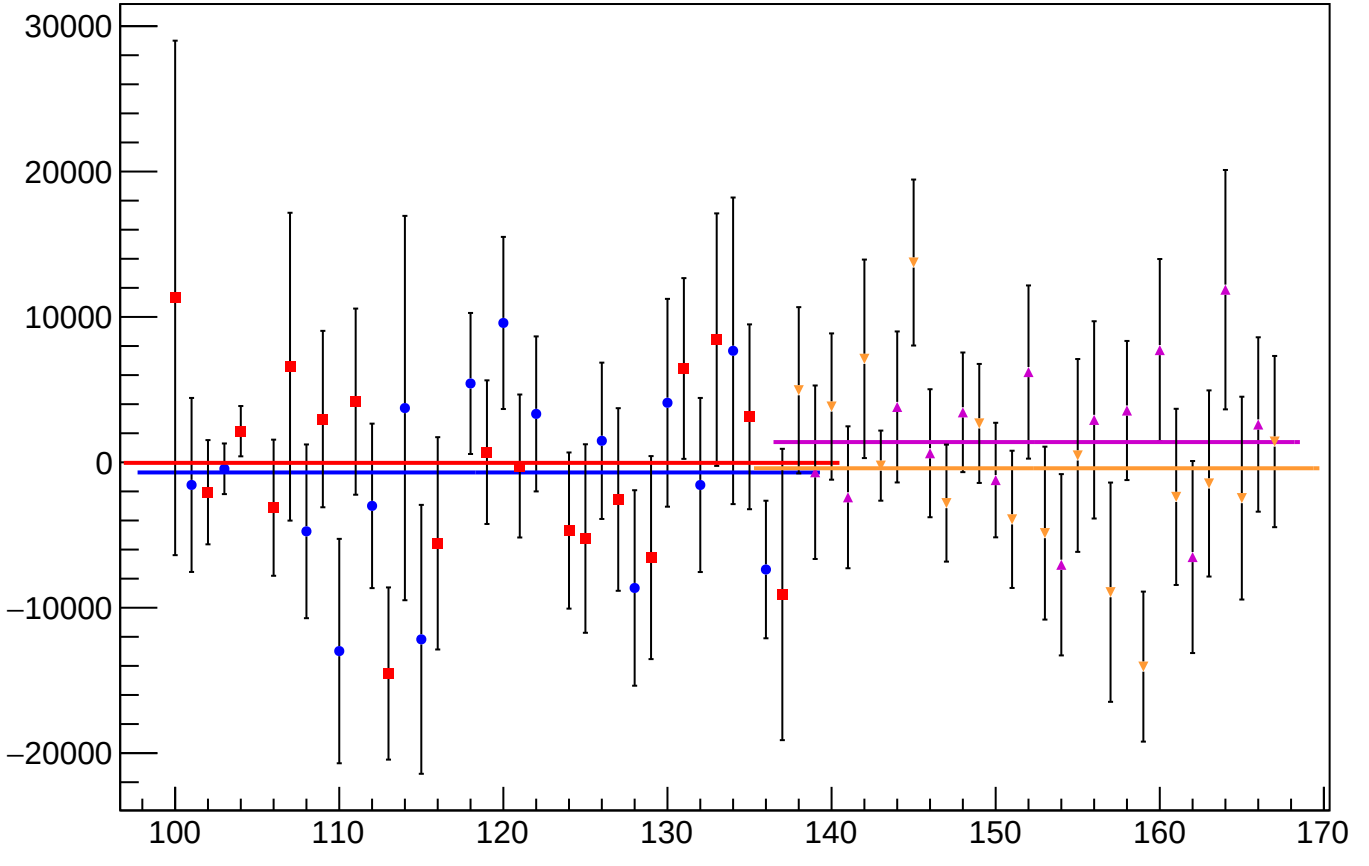
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1302.612+/-0.214 χ^2/NDF:533267.9/29

Out: 1316.955+/-0.210 χ^2/NDF:476066.4/34

All: 1309.926+/-0.150 χ^2/NDF: 1011621.8/64

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -407.550+/-1223.569 χ^2/NDF:19.6/15

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1393.527+/-1424.804 χ^2/NDF:8.5/13

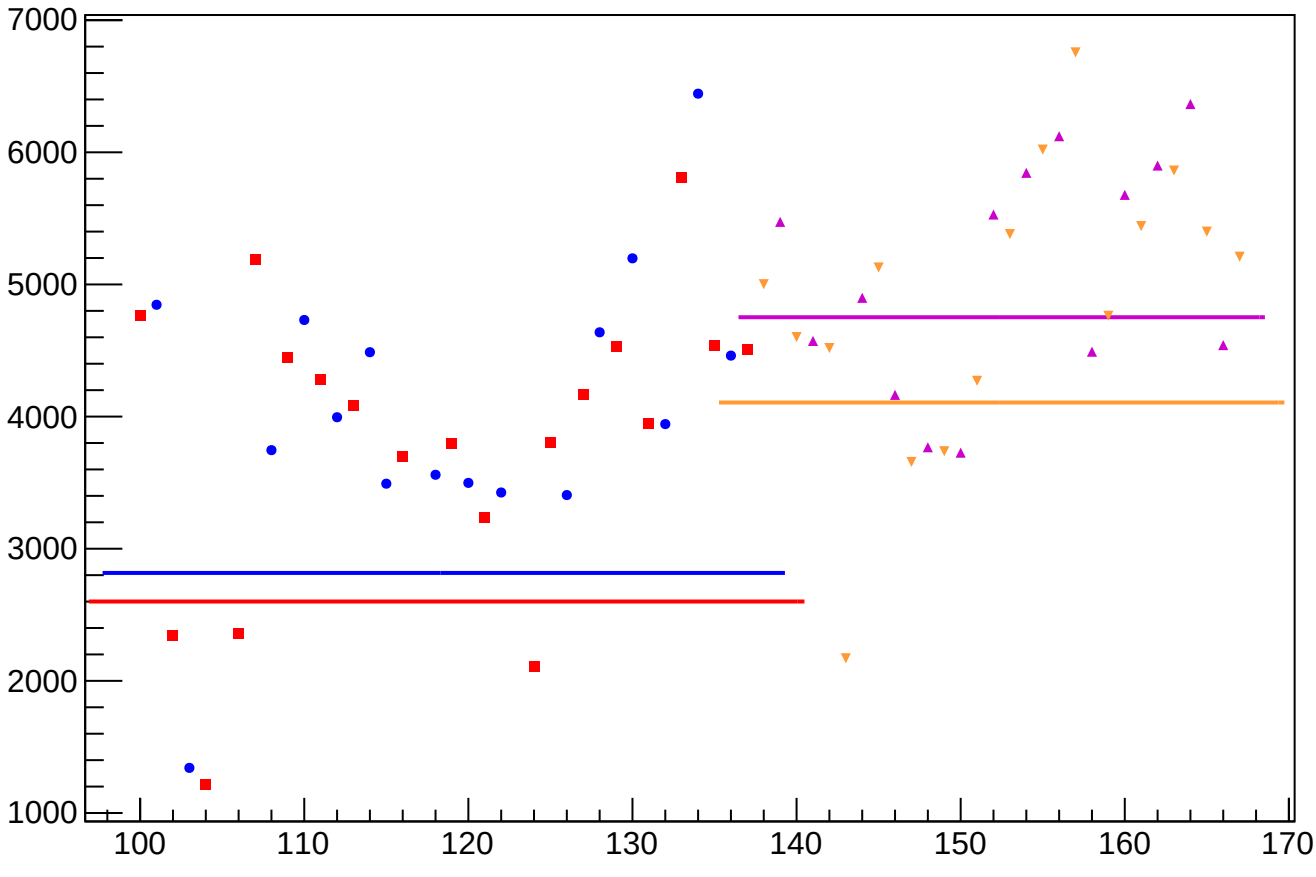
Left: 356.920+/-928.259 χ^2/NDF: 29.0/29

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 156.628+/-909.908 χ^2/NDF:24.5/29

Out: -201.835+/-817.288 χ^2/NDF:35.6/34

All: -41.771+/-608.027 χ^2/NDF: 60.2/64



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4106.567+/-0.865 χ^2/NDF:2397512.2/15

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4751.861+/-1.007 χ^2/NDF:685446.8/13

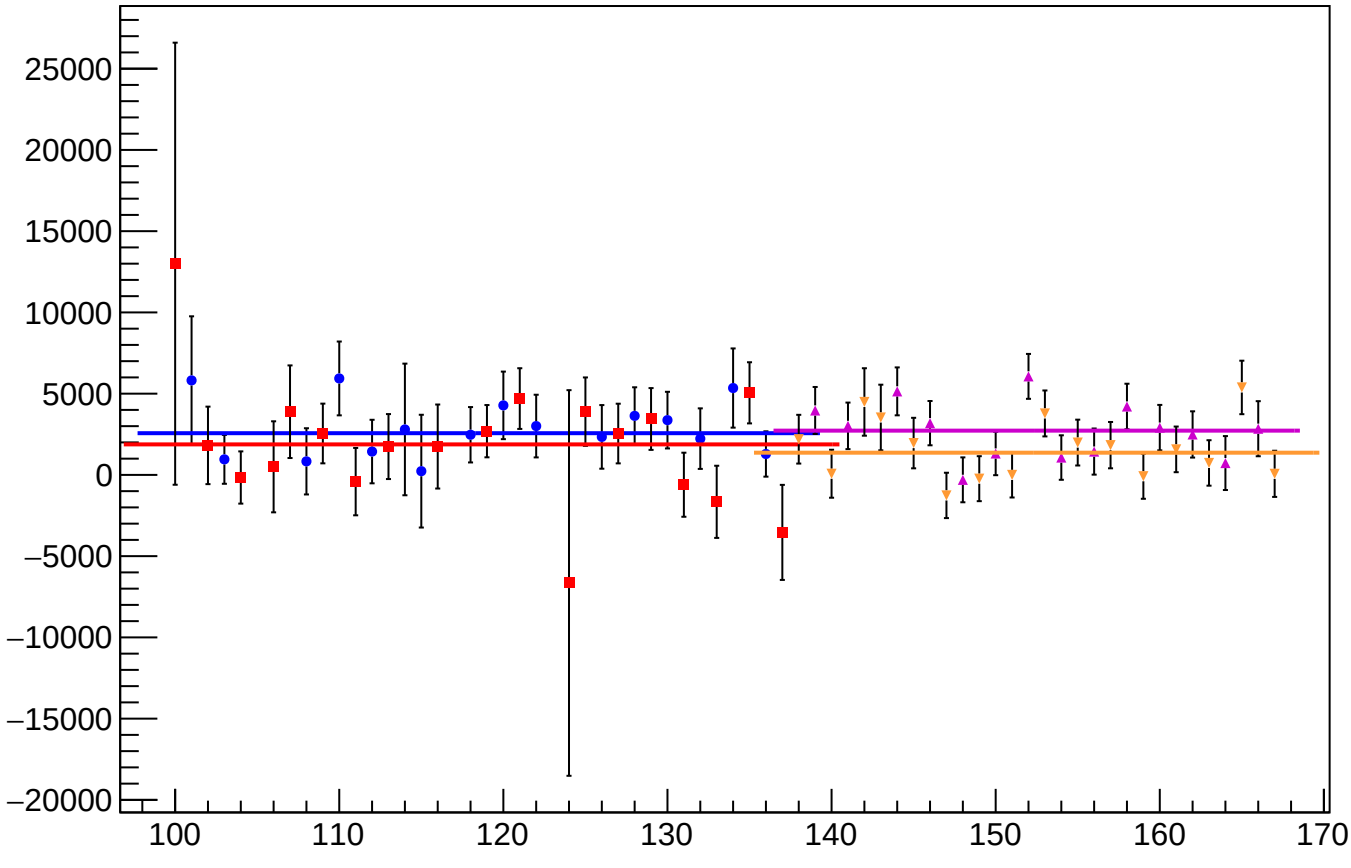
Left: 4380.463+/-0.656 χ^2/NDF: 3319070.0/29

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3605.977+/-0.643 χ^2/NDF:5877550.0/29

Out: 3272.465+/-0.578 χ^2/NDF:7156430.4/34

All: 3421.388+/-0.430 χ^2/NDF: 13182694.9/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1367.192+/-371.537 χ^2/NDF:21.8/15

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2724.088+/-382.705 χ^2/NDF:20.2/13

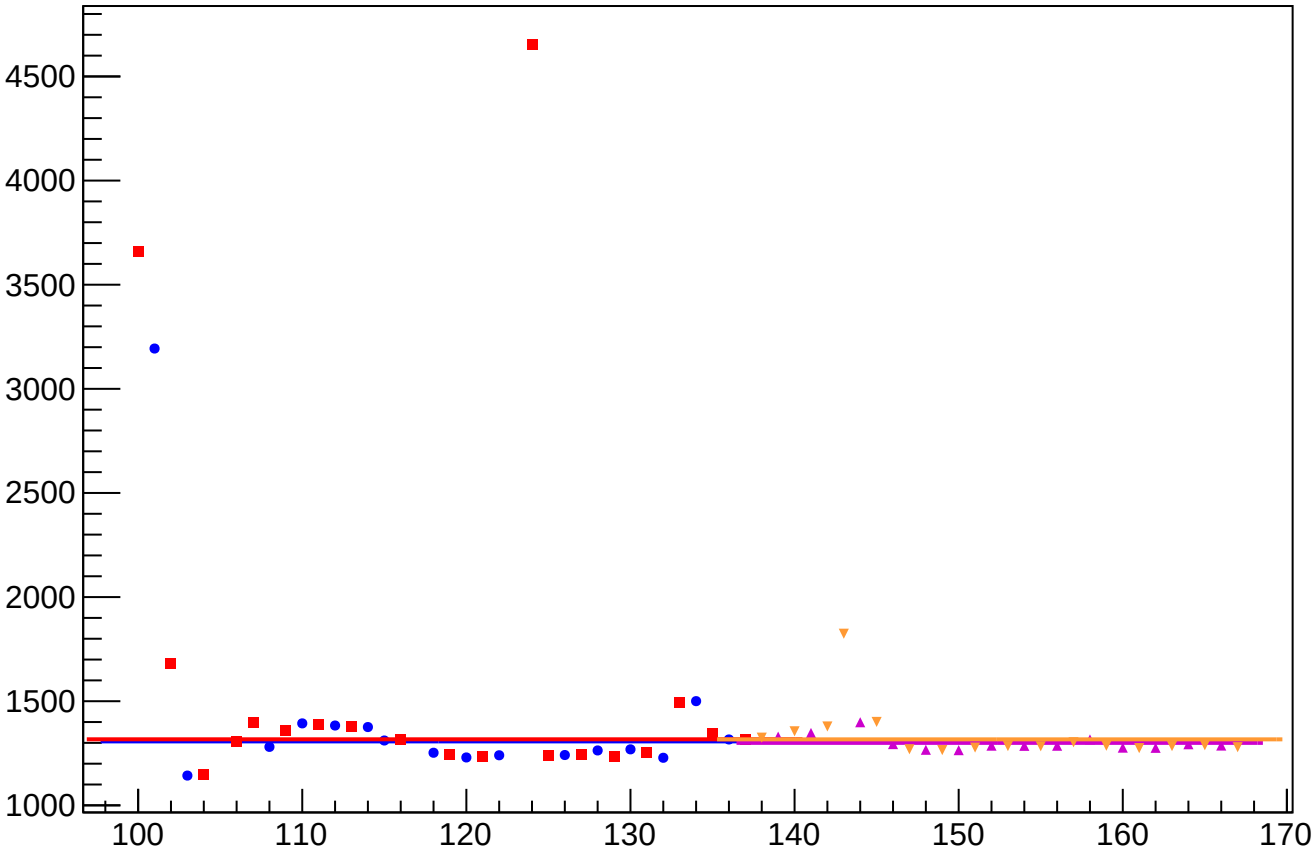
Left: 2025.553+/-266.577 χ^2/NDF: 48.5/29

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2665.440+/-302.851 χ^2/NDF:29.3/29

Out: 1551.317+/-297.086 χ^2/NDF:42.0/34

All: 2097.673+/-212.081 χ^2/NDF: 78.3/64



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1316.856+/-0.263 χ^2/NDF:150139.3/15

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1299.952+/-0.271 χ^2/NDF:16758.9/13

Left: 1308.654+/-0.188 χ^2/NDF: 168907.0/29

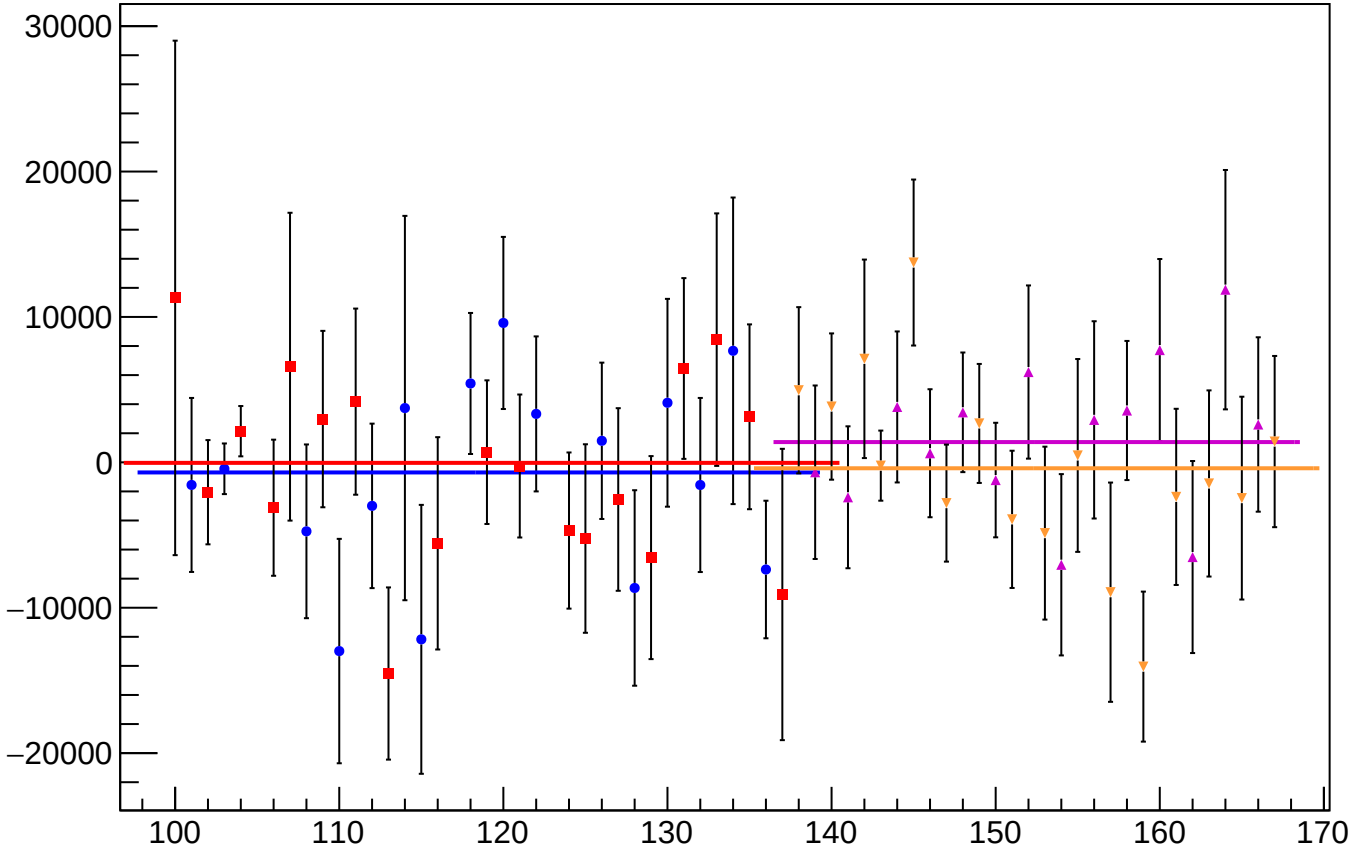
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1302.612+/-0.214 χ^2/NDF:533267.9/29

Out: 1316.955+/-0.210 χ^2/NDF:476066.4/34

All: 1309.926+/-0.150 χ^2/NDF: 1011621.8/64

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -407.550+/-1223.569 χ^2/NDF:19.6/15

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1393.527+/-1424.804 χ^2/NDF:8.5/13

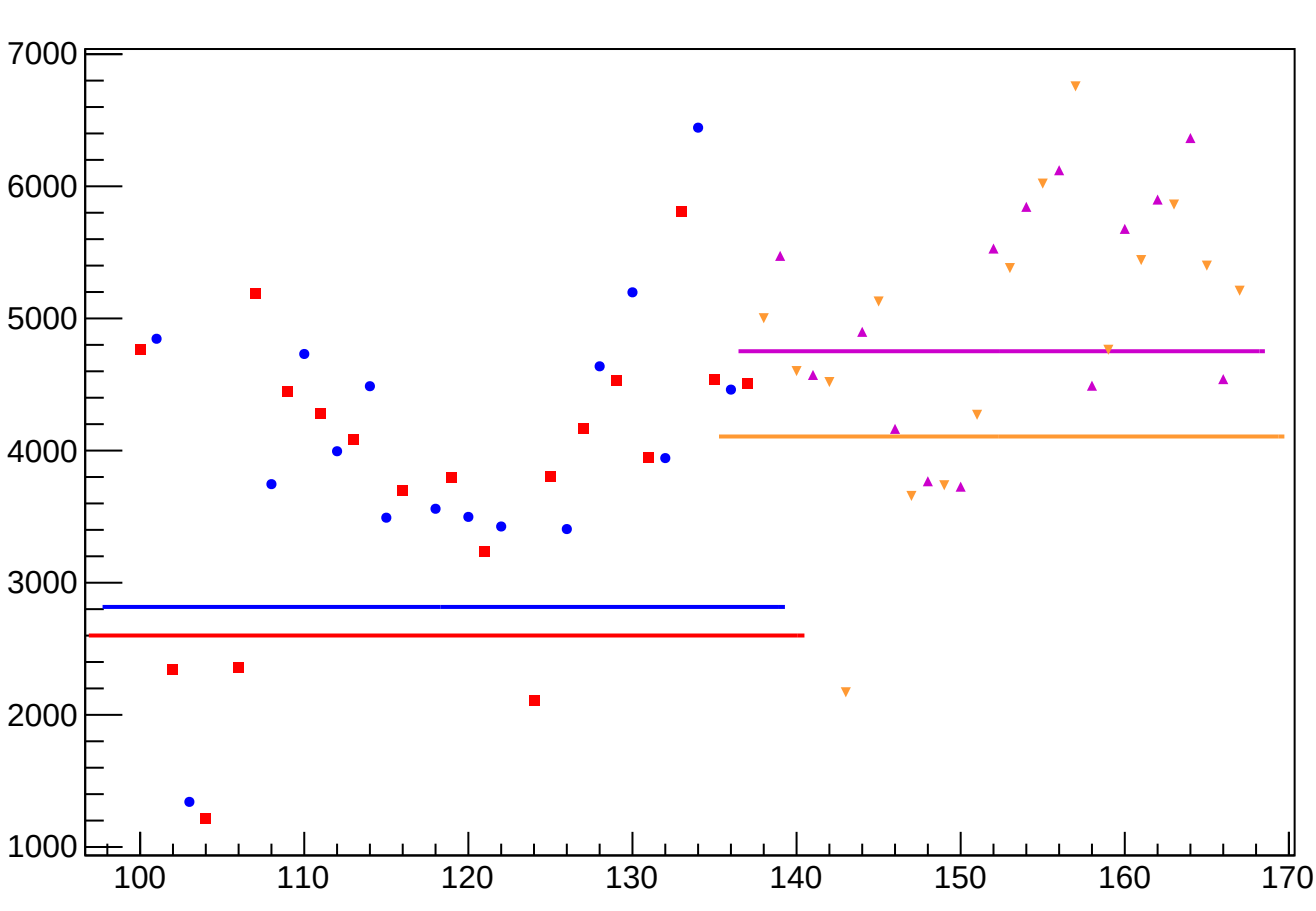
Left: 356.920+/-928.259 χ^2/NDF: 29.0/29

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 156.628+/-909.908 χ^2/NDF:24.5/29

Out: -201.835+/-817.288 χ^2/NDF:35.6/34

All: -41.771+/-608.027 χ^2/NDF: 60.2/64



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4106.567+/-0.865 χ^2/NDF:2397512.2/15

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4751.861+/-1.007 χ^2/NDF:685446.8/13

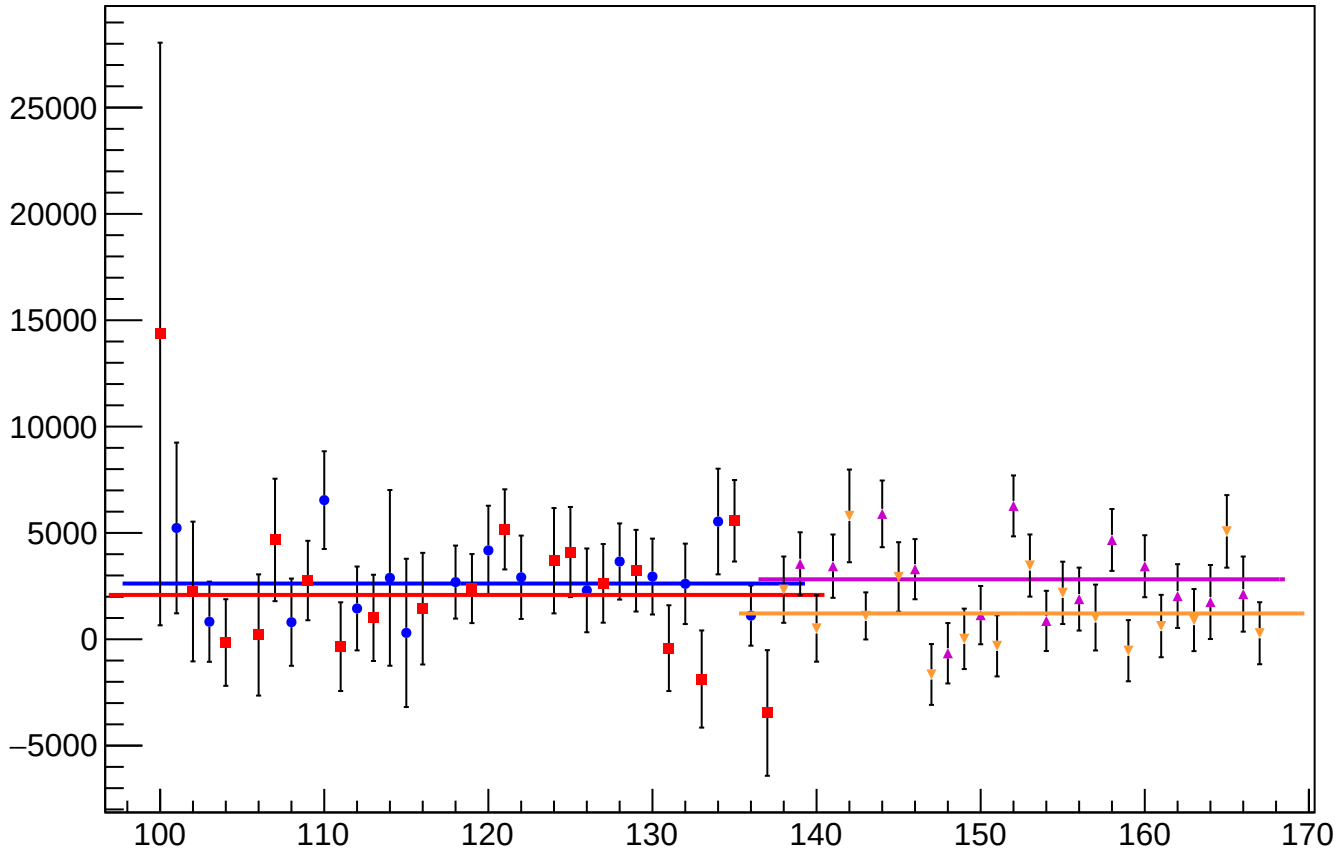
Left: 4380.463+/-0.656 χ^2/NDF: 3319070.0/29

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3605.977+/-0.643 χ^2/NDF:5877550.0/29

Out: 3272.465+/-0.578 χ^2/NDF:7156430.4/34

All: 3421.388+/-0.430 χ^2/NDF: 13182694.9/6



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1213.995+/-370.818 χ^2/NDF:22.2/15

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2819.290+/-397.644 χ^2/NDF:22.6/13

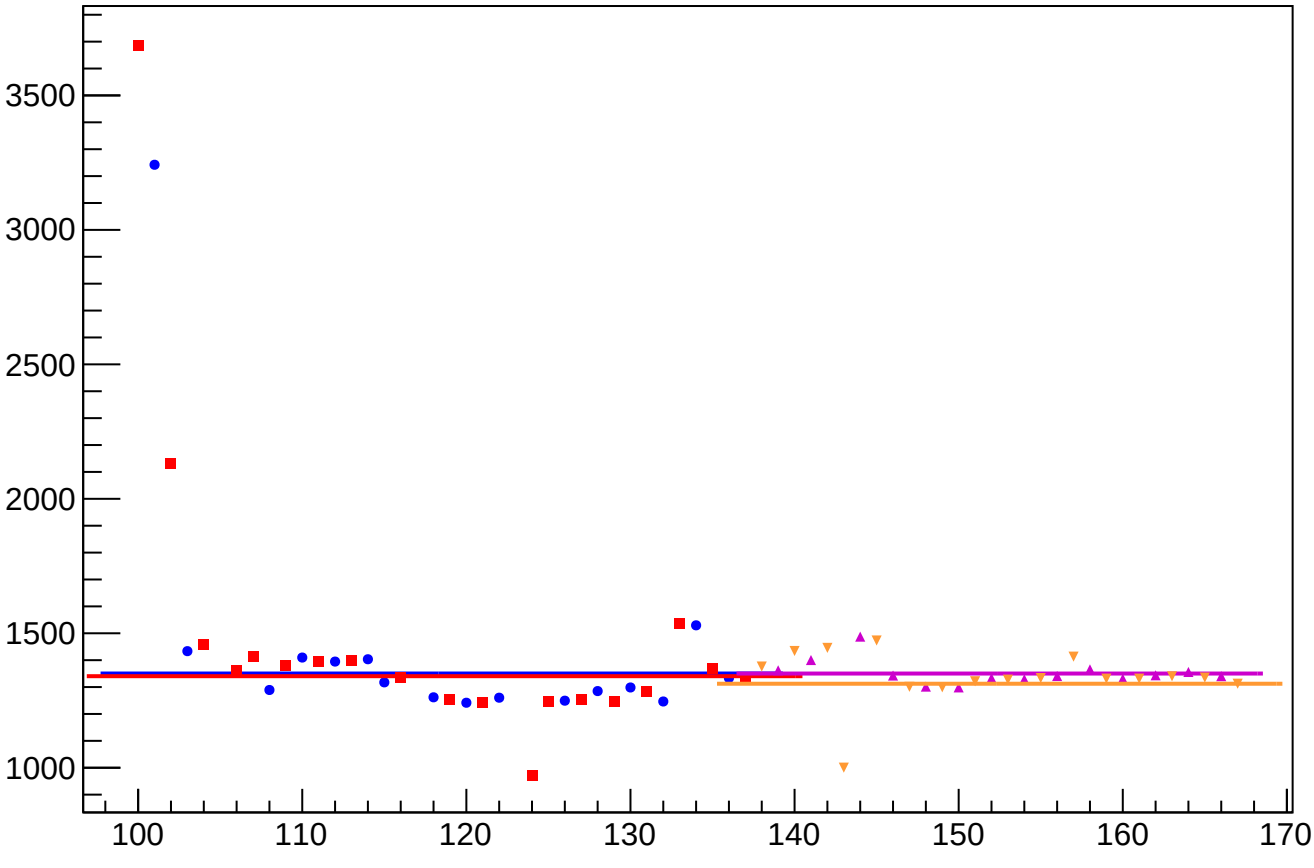
Left: 1960.671+/-271.196 χ^2/NDF: 53.5/29

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2744.420+/-313.940 χ^2/NDF:32.0/29

Out: 1519.425+/-298.866 χ^2/NDF:45.0/34

All: 2101.809+/-216.463 χ^2/NDF: 85.0/64



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1312.363+/-0.262 χ^2/NDF:212467.6/15

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1350.283+/-0.281 χ^2/NDF:24465.5/13

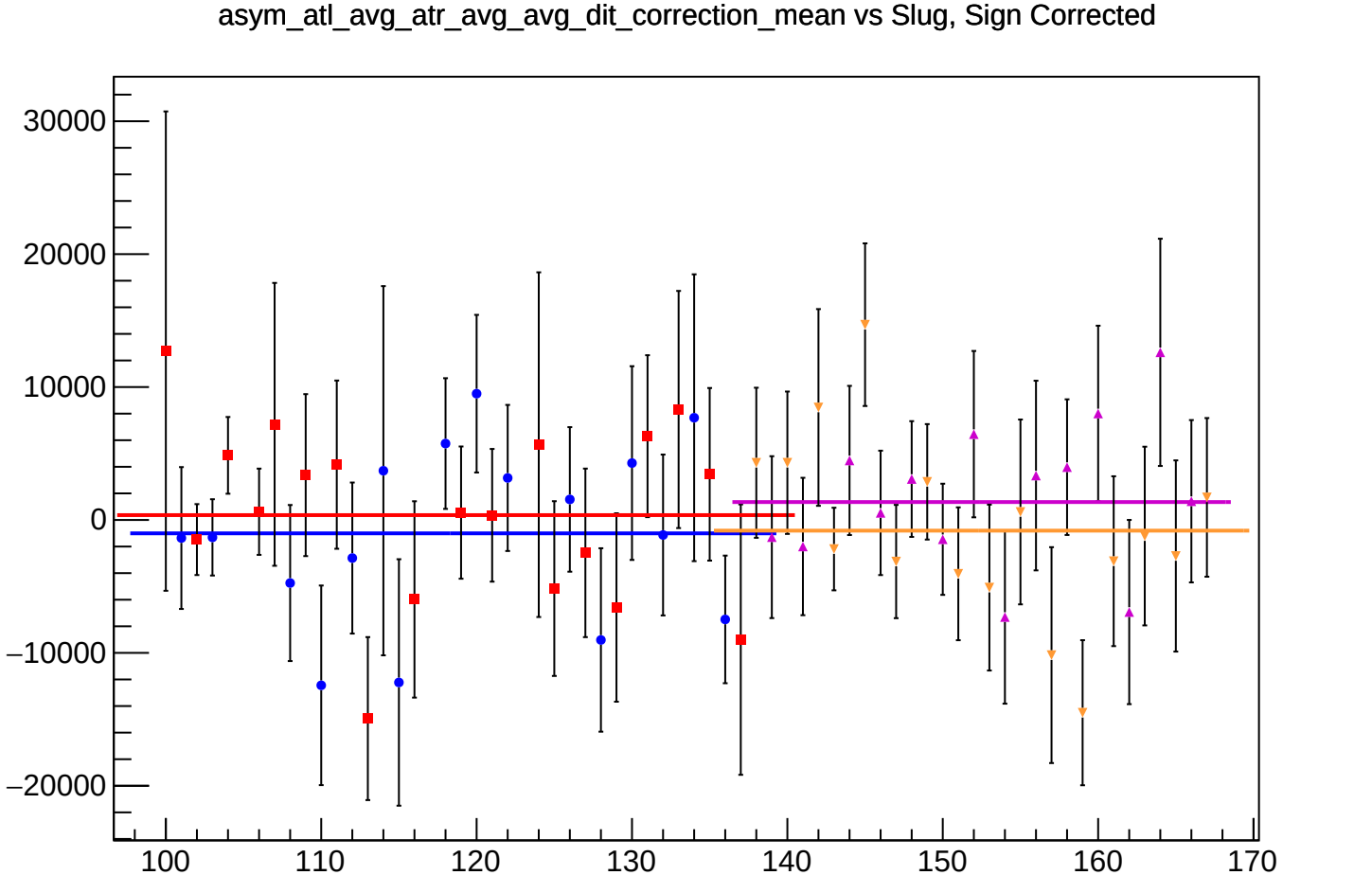
Left: 1330.001+/-0.192 χ^2/NDF: 246661.2/29

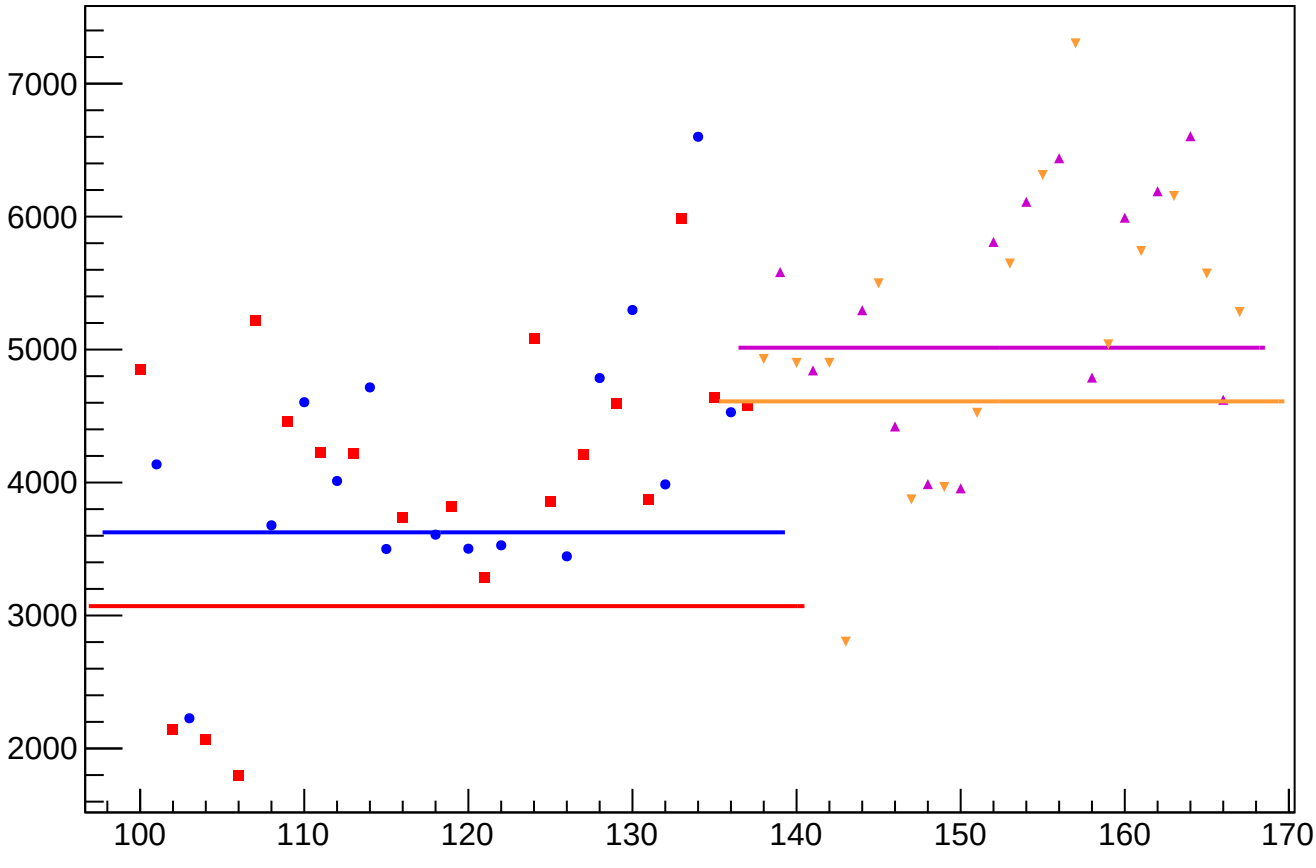
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1350.316+/-0.222 χ^2/NDF:518516.6/29

Out: 1322.206+/-0.211 χ^2/NDF:488669.0/34

All: 1335.567+/-0.153 χ^2/NDF: 1015598.7/64


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -803.469+/-1345.874 χ²/NDF:19.9/15
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 1347.189+/-1502.241 χ²/NDF:8.5/13
Left: 154.139+/-1002.416 χ²/NDF: 29.5/29
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: 91.120+/-1025.930 χ²/NDF:24.4/29
Out: -153.984+/-896.716 χ²/NDF:36.5/34
All: -47.830+/-675.165 χ²/NDF: 60.9/64


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
7000
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3000
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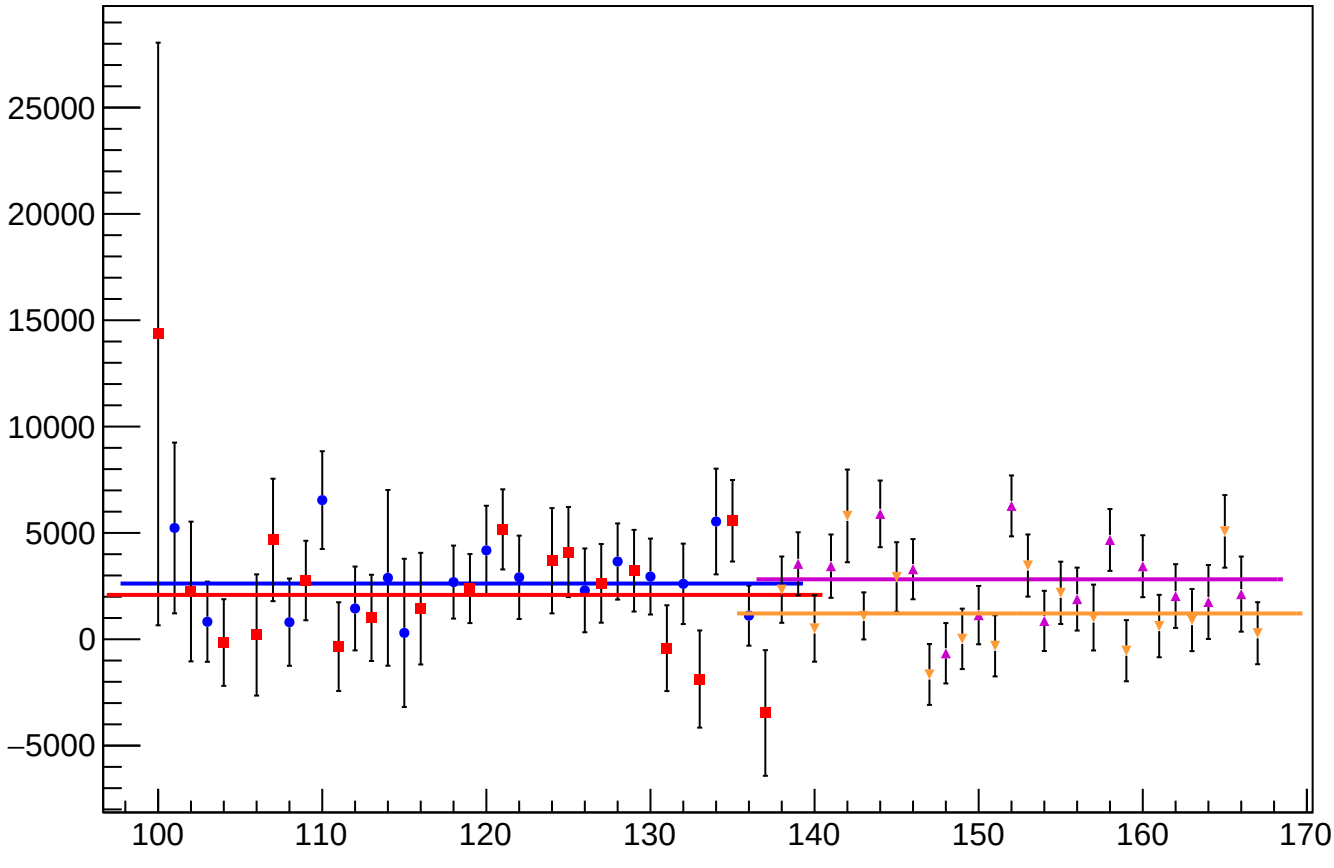
120
130
140
150
160
170
Right In: 3625.512+/-0.993 χ²/NDF: 944905.4/15
Left Out: 4610.355+/-0.952 χ²/NDF:1475265.0/15
Right Out: 3070.442+/-0.850 χ²/NDF: 1838659.1/18
Left In: 5014.032+/-1.062 χ²/NDF:647355.5/13
Left: 4790.097+/-0.709 χ²/NDF: 2202734.3/29
Right: 3305.233+/-0.646 χ²/NDF: 2963820.1/34
In: 4273.114+/-0.725 χ²/NDF:2504005.3/29
Out: 3754.034+/-0.634 χ²/NDF:4769899.2/34
All: 3978.845+/-0.477 χ²/NDF: 7564155.3/64



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1213.988+/-370.818 χ^2/NDF:22.2/15

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2819.291+/-397.645 χ^2/NDF:22.6/13

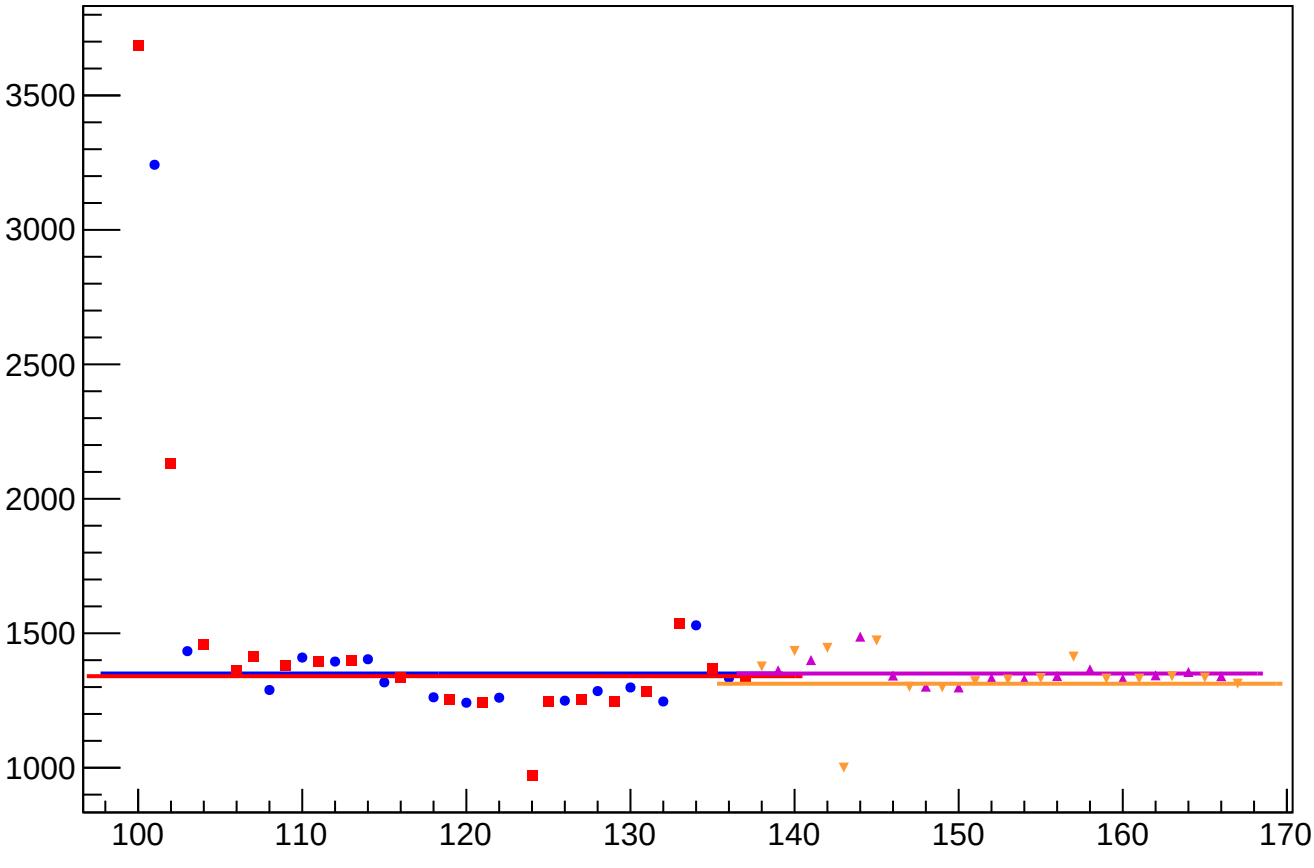
Left: 1960.668+/-271.196 χ^2/NDF: 53.5/29

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2744.422+/-313.940 χ^2/NDF:32.0/29

Out: 1519.422+/-298.866 χ^2/NDF:45.0/34

All: 2101.808+/-216.463 χ^2/NDF: 85.0/64


eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
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110
120
130
140
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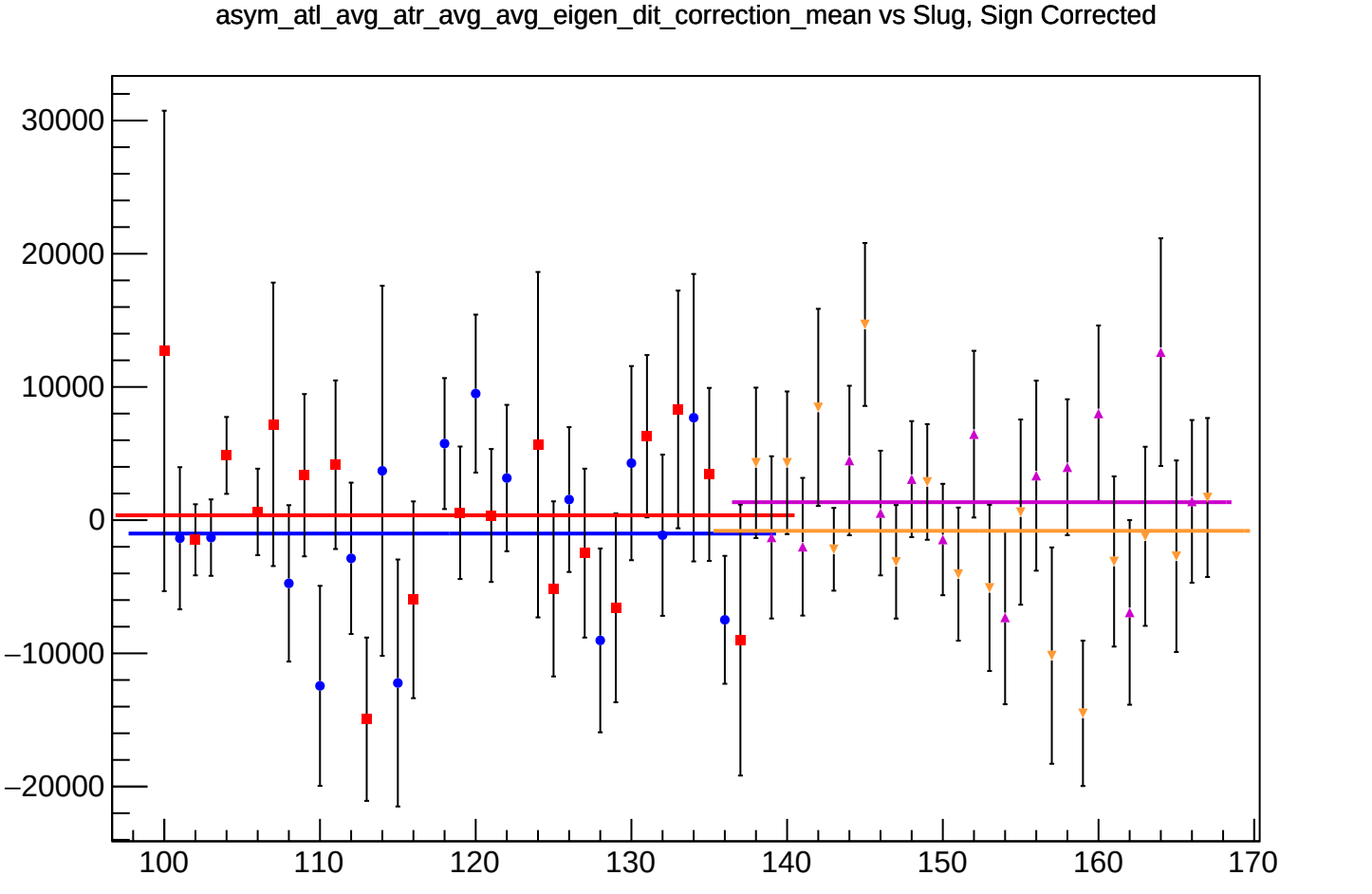
160
170
Right In: 1350.369+/-0.362 χ²/NDF: 494051.2/15
Left Out: 1312.365+/-0.262 χ²/NDF:212468.3/15
Right Out: 1340.428+/-0.357 χ²/NDF: 272182.5/18
Left In: 1350.285+/-0.281 χ²/NDF:24465.8/13
Left: 1330.003+/-0.192 χ²/NDF: 246662.2/29
Right: 1345.330+/-0.254 χ²/NDF: 766616.6/34
In: 1350.316+/-0.222 χ²/NDF:518517.0/29
Out: 1322.207+/-0.211 χ²/NDF:488668.1/34
All: 1335.567+/-0.153 χ²/NDF: 1015598.2/64


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
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10000
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−10000
−20000
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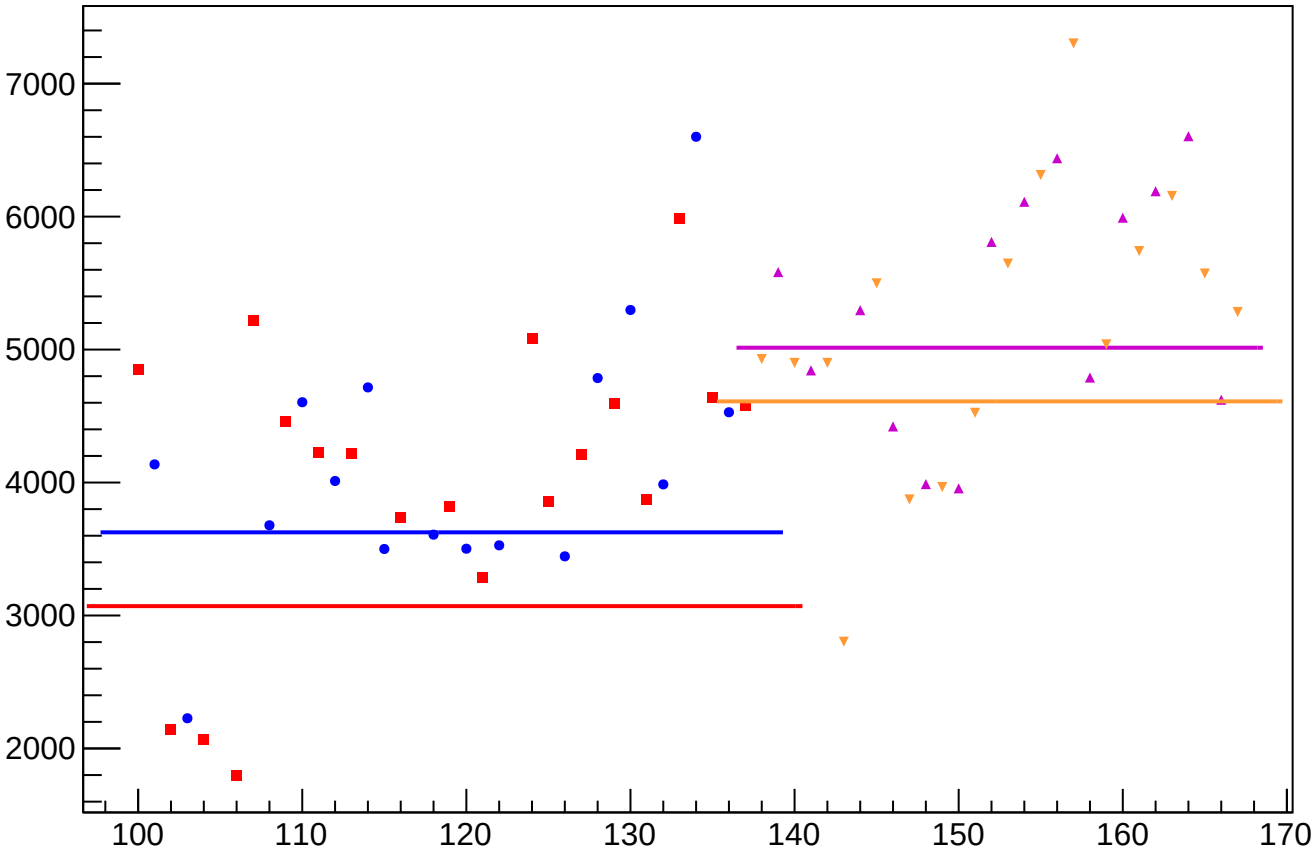
110
120
130
140
150
160
170
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -803.475+/-1345.876 χ²/NDF:19.9/15
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 1347.188+/-1502.243 χ²/NDF:8.5/13
Left: 154.135+/-1002.417 χ²/NDF: 29.5/29
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: 91.120+/-1025.929 χ²/NDF:24.4/29
Out: -153.983+/-896.715 χ²/NDF:36.5/34
All: -47.830+/-675.164 χ²/NDF: 60.9/64



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4610.362+/-0.952 χ^2/NDF:1475266.2/15

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5014.040+/-1.062 χ^2/NDF:647356.8/13

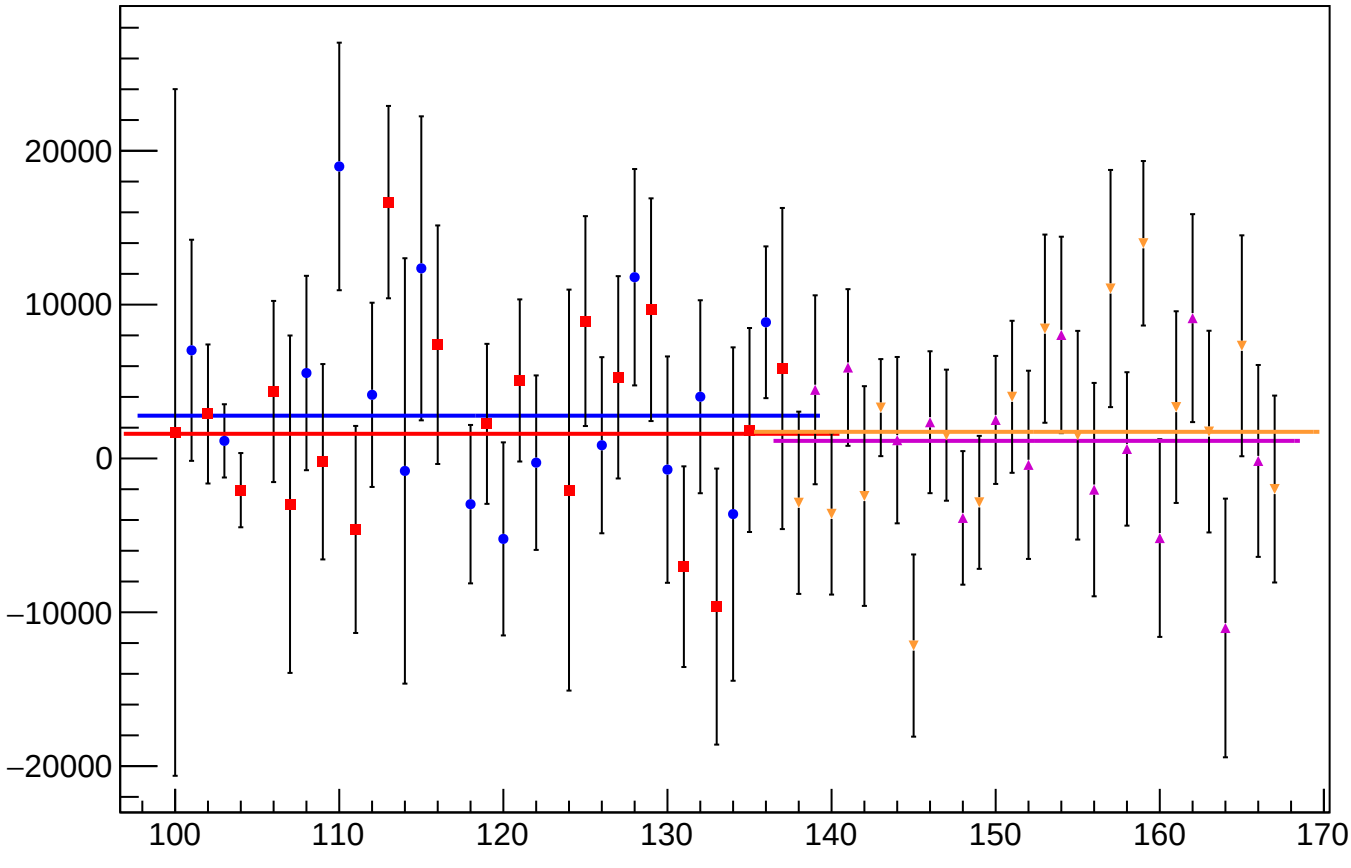
Left: 4790.105+/-0.709 χ^2/NDF: 2202736.5/29

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4273.110+/-0.725 χ^2/NDF:2504030.7/29

Out: 3754.029+/-0.634 χ^2/NDF:4769933.9/34

All: 3978.841+/-0.477 χ^2/NDF: 7564216.5/64



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1731.384+/-1337.795 χ^2/NDF:18.0/15

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1143.332+/-1482.080 χ^2/NDF:8.6/13

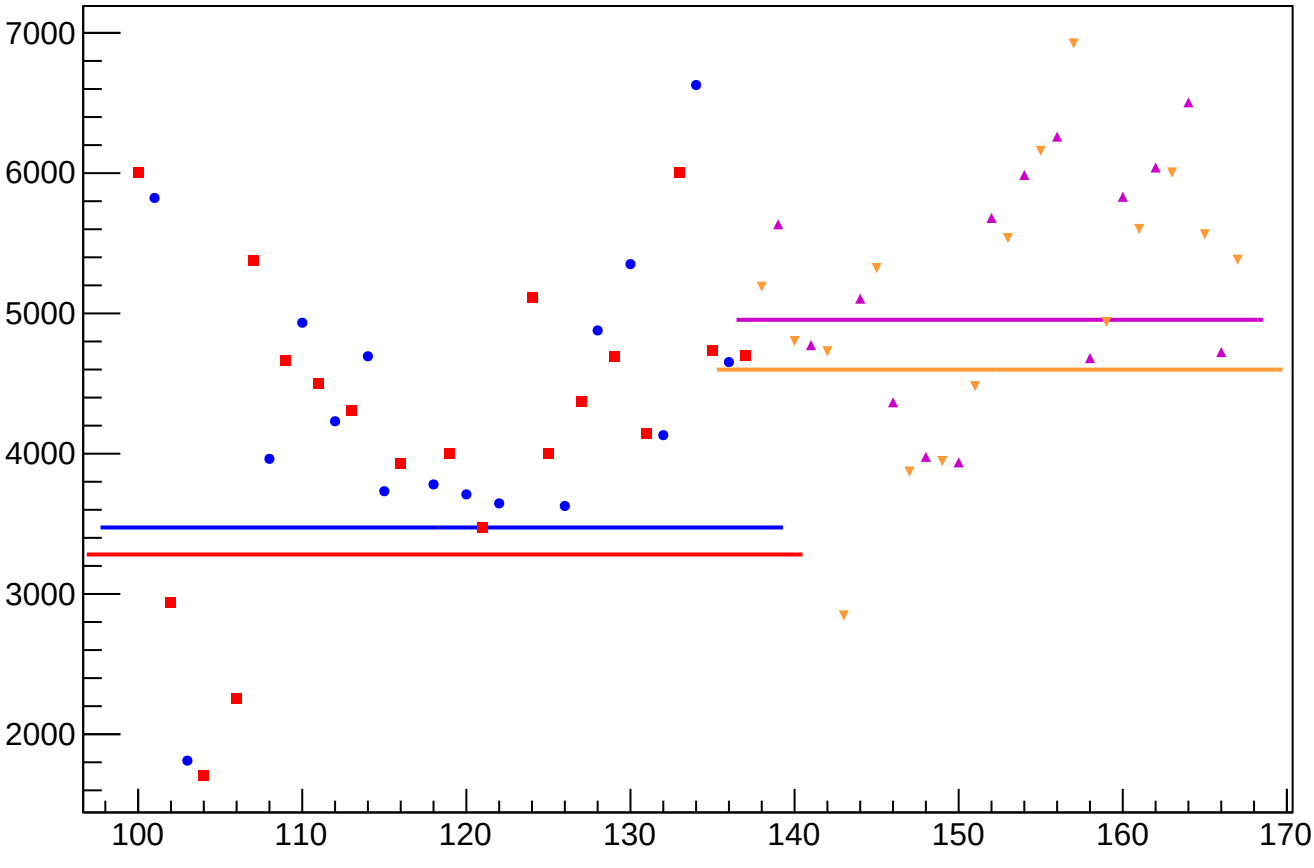
Left: 1467.369+/-993.067 χ^2/NDF: 26.7/29

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2014.880+/-1013.651 χ^2/NDF:22.4/29

Out: 1666.968+/-945.689 χ^2/NDF:34.8/34

All: 1828.871+/-691.482 χ^2/NDF: 57.3/64


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
7000
6000
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120
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140
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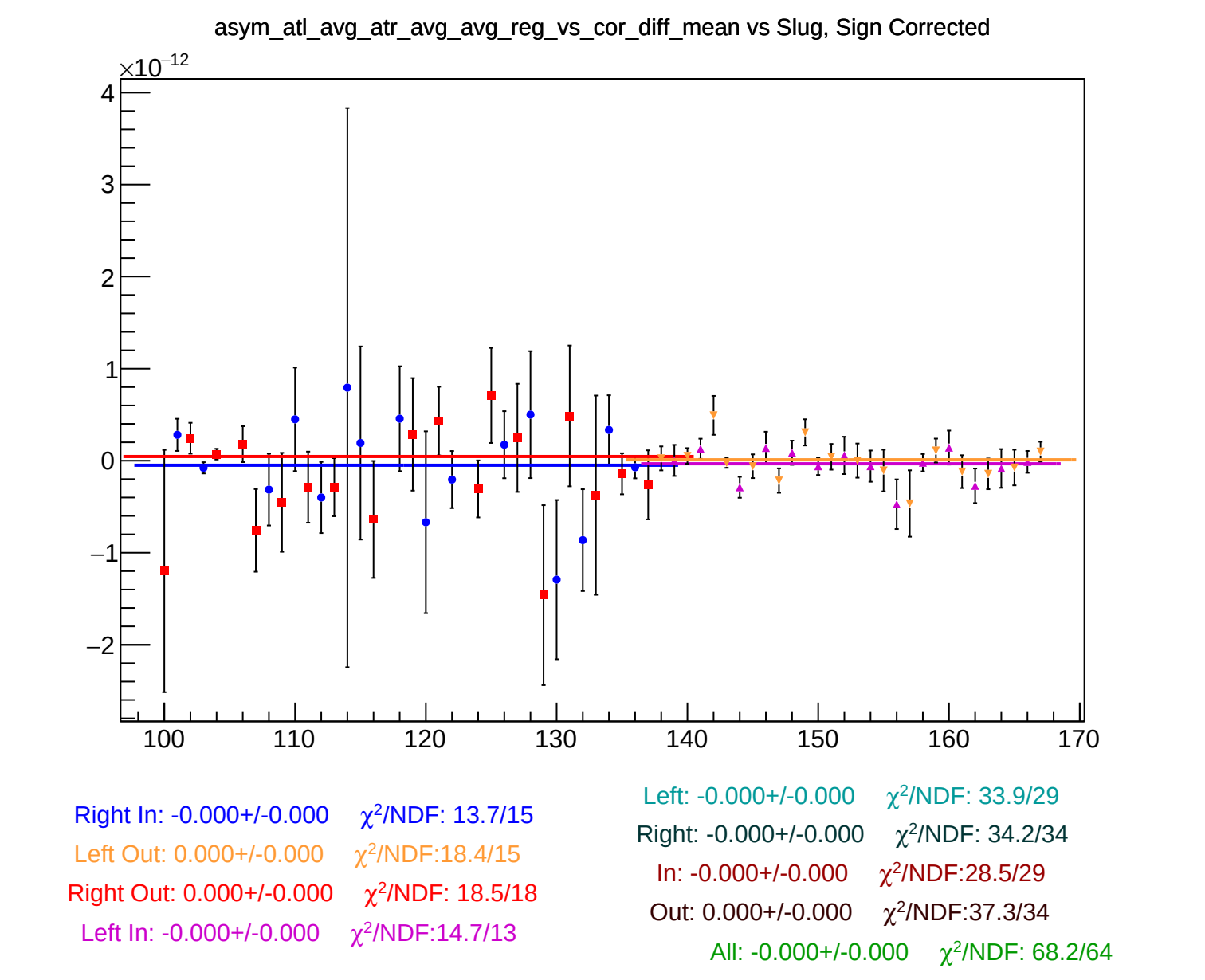
160
170
Right In: 3473.898+/-0.982 χ²/NDF: 1843964.2/15
Left Out: 4599.459+/-0.946 χ²/NDF:1331345.6/15
Right Out: 3281.478+/-0.932 χ²/NDF: 1875493.9/18
Left In: 4954.622+/-1.048 χ²/NDF:598664.6/13
Left: 4758.916+/-0.702 χ²/NDF: 1993298.0/29
Right: 3372.669+/-0.676 χ²/NDF: 3739637.8/34
In: 4166.533+/-0.717 χ²/NDF:3505146.9/29
Out: 3931.019+/-0.664 χ²/NDF:4191357.1/34
All: 4039.805+/-0.487 χ²/NDF: 7754599.9/64


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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1
0
−1
−2
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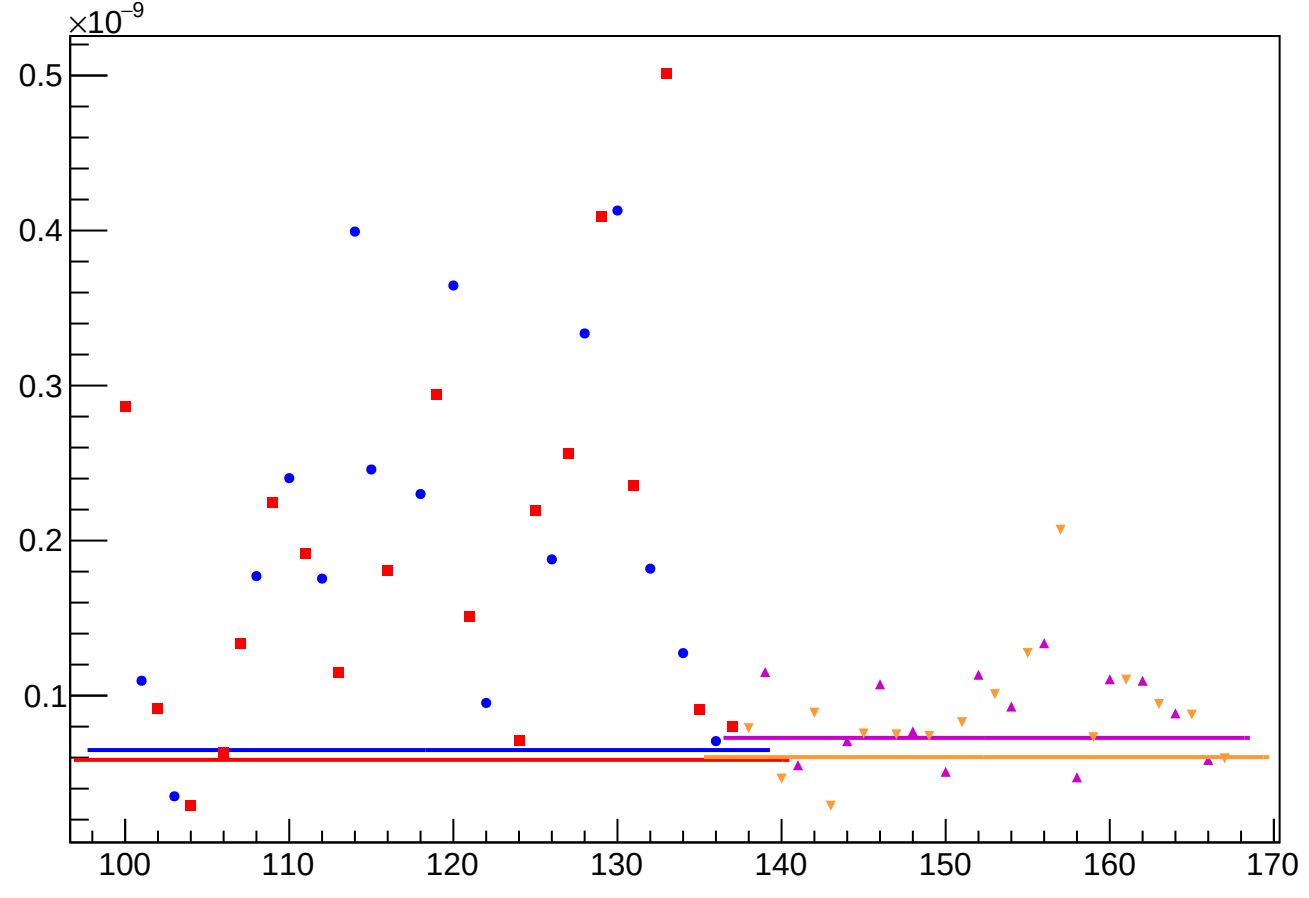
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:18.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:14.7/13
Left: -0.000+/-0.000 χ²/NDF: 33.9/29
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:28.5/29
Out: 0.000+/-0.000 χ²/NDF:37.3/34
All: -0.000+/-0.000 χ²/NDF: 68.2/64



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1860142.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:922767.0/13

Left: 0.000+/-0.000 χ^2/NDF: 2917939.5/29

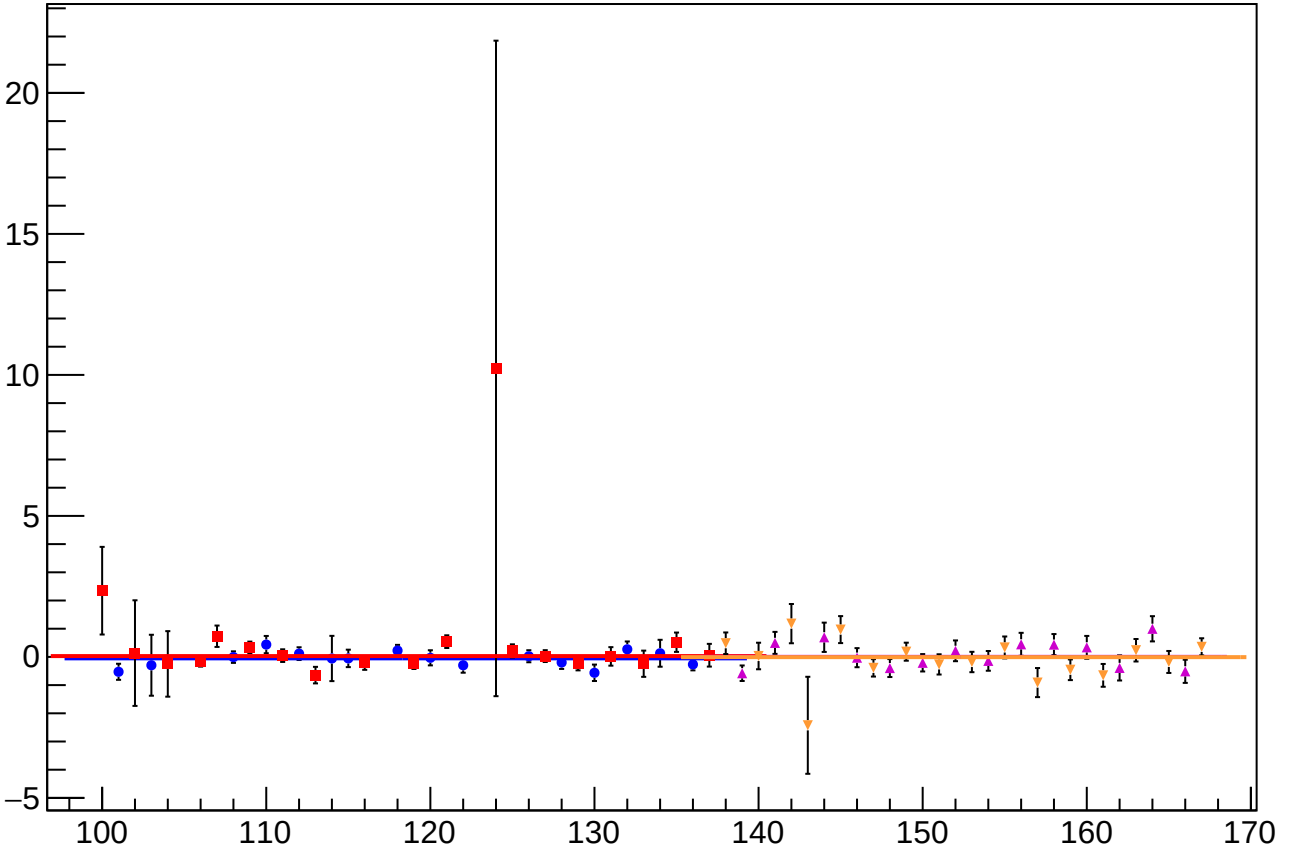
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3548800.2/29

Out: 0.000+/-0.000 χ^2/NDF:4717198.9/34

All: 0.000+/-0.000 χ^2/NDF: 8398901.8/64

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.008+/-0.099 χ^2/NDF:23.2/15

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.002+/-0.098 χ^2/NDF:20.9/13

Left: -0.003+/-0.070 χ^2/NDF: 44.2/29

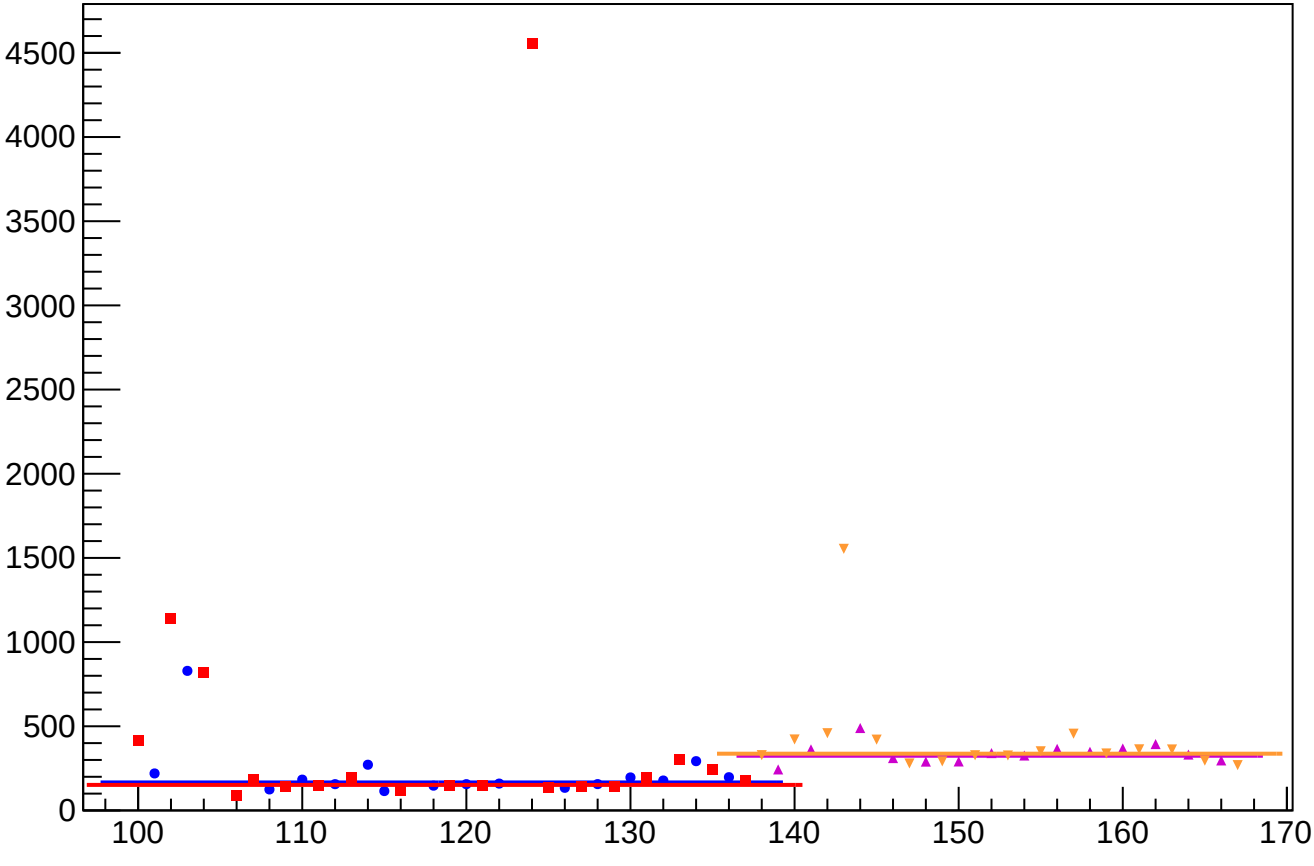
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.034+/-0.055 χ^2/NDF:36.0/29

Out: 0.018+/-0.054 χ^2/NDF:50.9/34

All: -0.007+/-0.039 χ^2/NDF: 87.3/64

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 337.155+/-0.070 χ^2/NDF:1549945.8/15

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 324.965+/-0.070 χ^2/NDF:558025.7/13

Left: 331.002+/-0.049 χ^2/NDF: 2123193.2/29

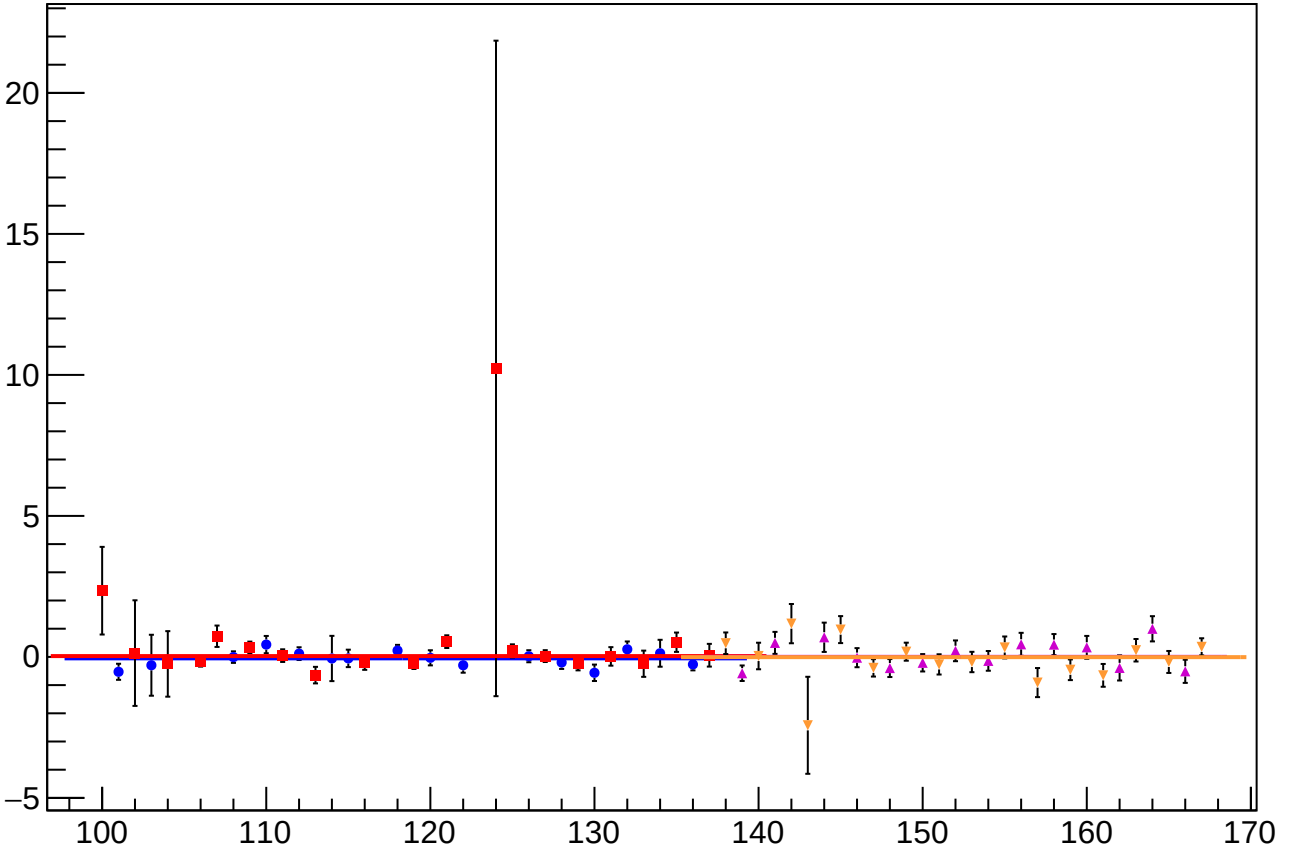
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.367+/-0.039 χ^2/NDF:5403292.0/29

Out: 206.240+/-0.038 χ^2/NDF:8790287.8/34

All: 211.172+/-0.027 χ^2/NDF: 14228086.0/64

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.008+/-0.099 χ^2/NDF:23.2/15

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.002+/-0.098 χ^2/NDF:20.9/13

Left: -0.003+/-0.070 χ^2/NDF: 44.2/29

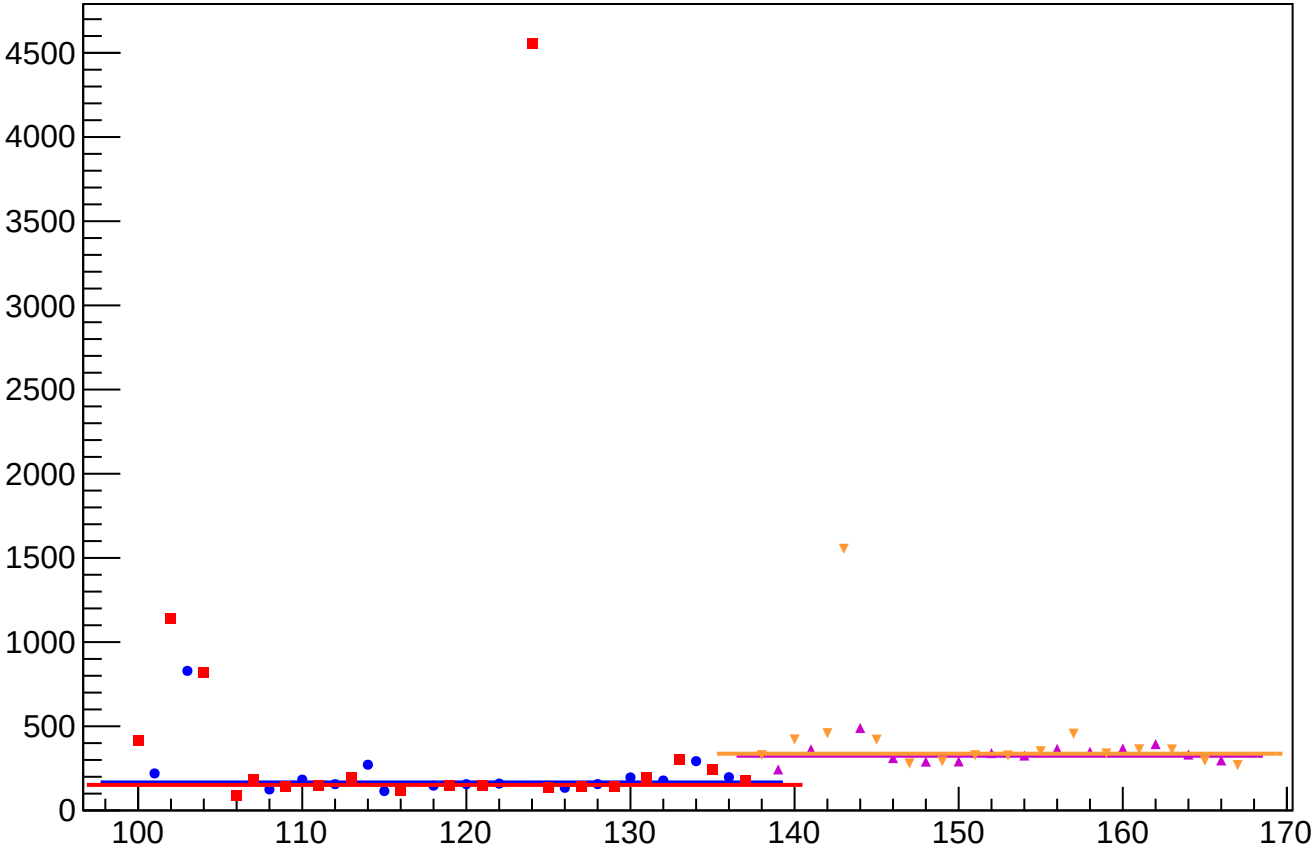
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.034+/-0.055 χ^2/NDF:36.0/29

Out: 0.018+/-0.054 χ^2/NDF:50.9/34

All: -0.007+/-0.039 χ^2/NDF: 87.3/64

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 337.155+/-0.070 χ^2/NDF:1549945.8/15

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 324.965+/-0.070 χ^2/NDF:558025.7/13

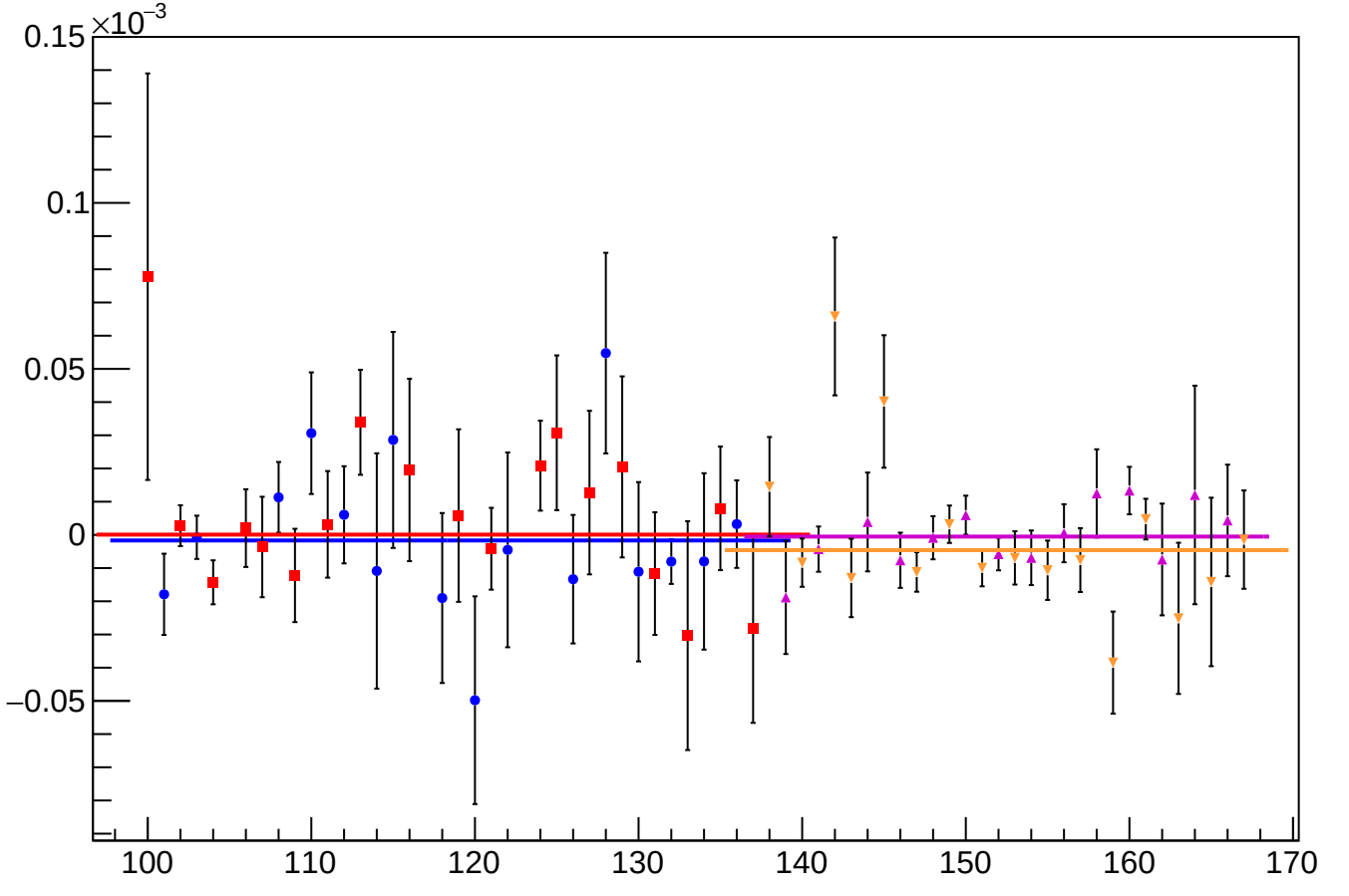
Left: 331.002+/-0.049 χ^2/NDF: 2123193.2/29

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.367+/-0.039 χ^2/NDF:5403292.0/29

Out: 206.240+/-0.038 χ^2/NDF:8790287.8/34

All: 211.172+/-0.027 χ^2/NDF: 14228086.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/13

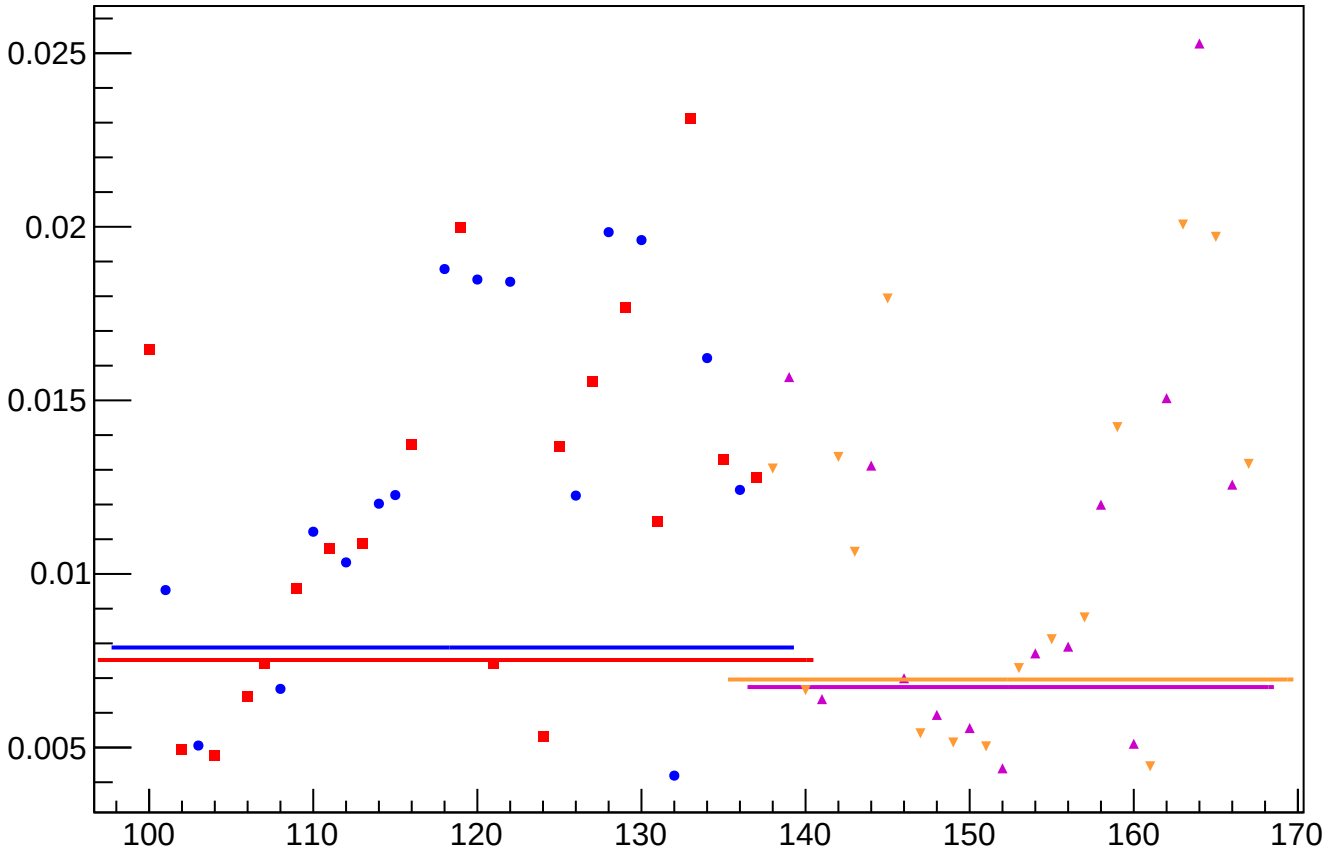
Left: -0.000+/-0.000 χ^2/NDF: 41.1/29

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:25.9/29

Out: -0.000+/-0.000 χ^2/NDF:50.5/34

All: -0.000+/-0.000 χ^2/NDF: 77.1/64



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:4265153.6/15

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:3333613.7/13

Left: 0.007+/-0.000 χ^2/NDF: 7608365.8/29

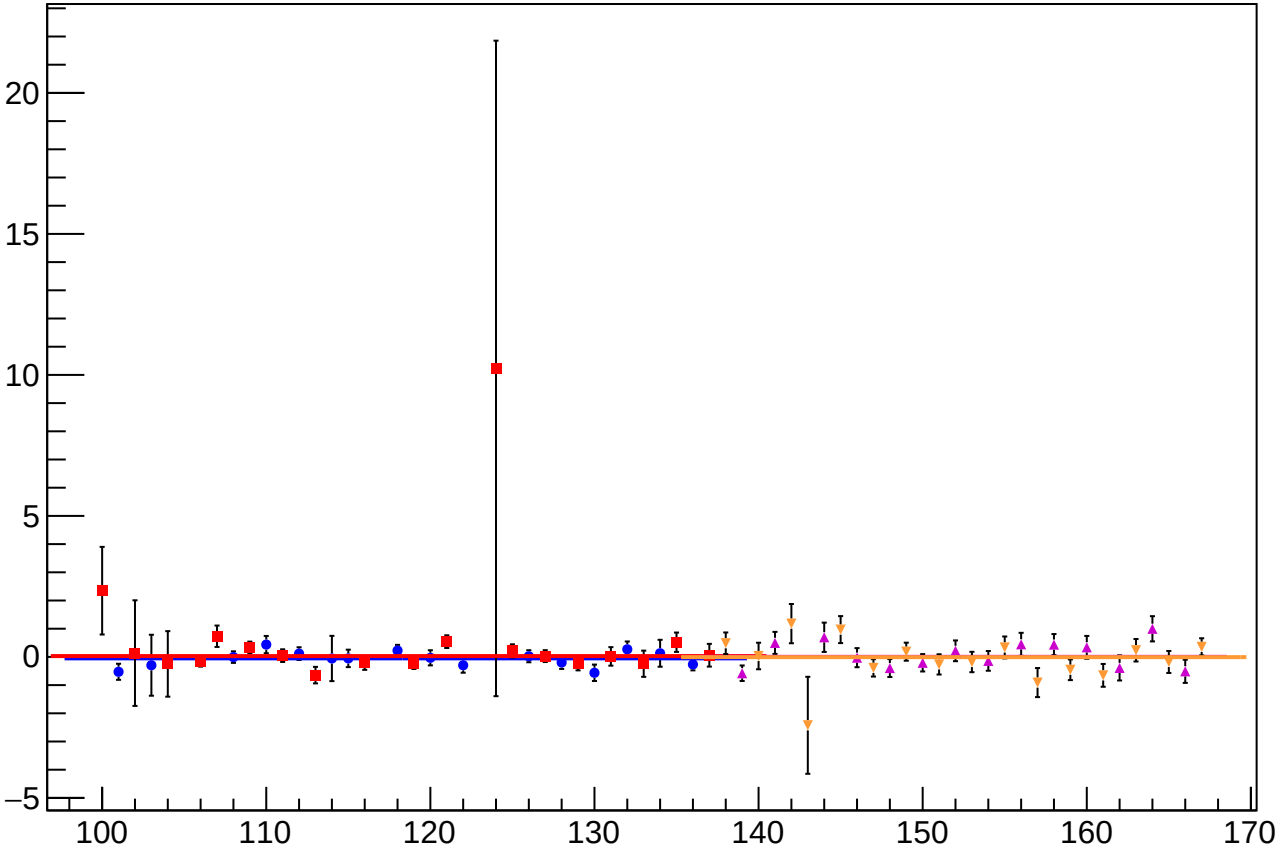
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:6792110.3/29

Out: 0.007+/-0.000 χ^2/NDF:7283382.5/34

All: 0.007+/-0.000 χ^2/NDF: 14076543.5/64

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.008+/-0.099 χ^2/NDF:23.2/15

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.002+/-0.098 χ^2/NDF:20.9/13

Left: -0.003+/-0.070 χ^2/NDF: 44.2/29

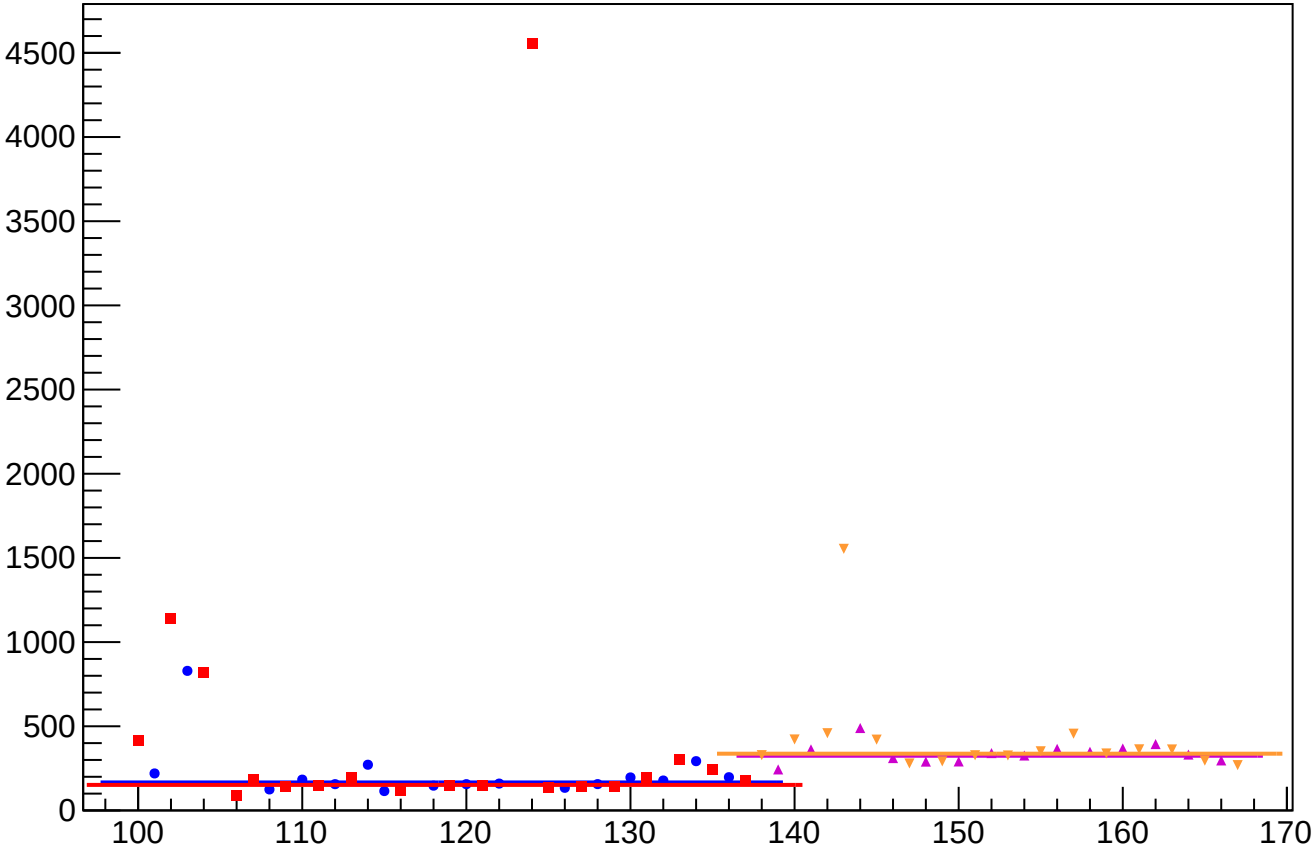
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.034+/-0.055 χ^2/NDF:36.0/29

Out: 0.018+/-0.054 χ^2/NDF:50.9/34

All: -0.007+/-0.039 χ^2/NDF: 87.3/64

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 337.160+/-0.070 χ^2/NDF:1549945.7/15

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 324.970+/-0.070 χ^2/NDF:558018.8/13

Left: 331.007+/-0.049 χ^2/NDF: 2123185.8/29

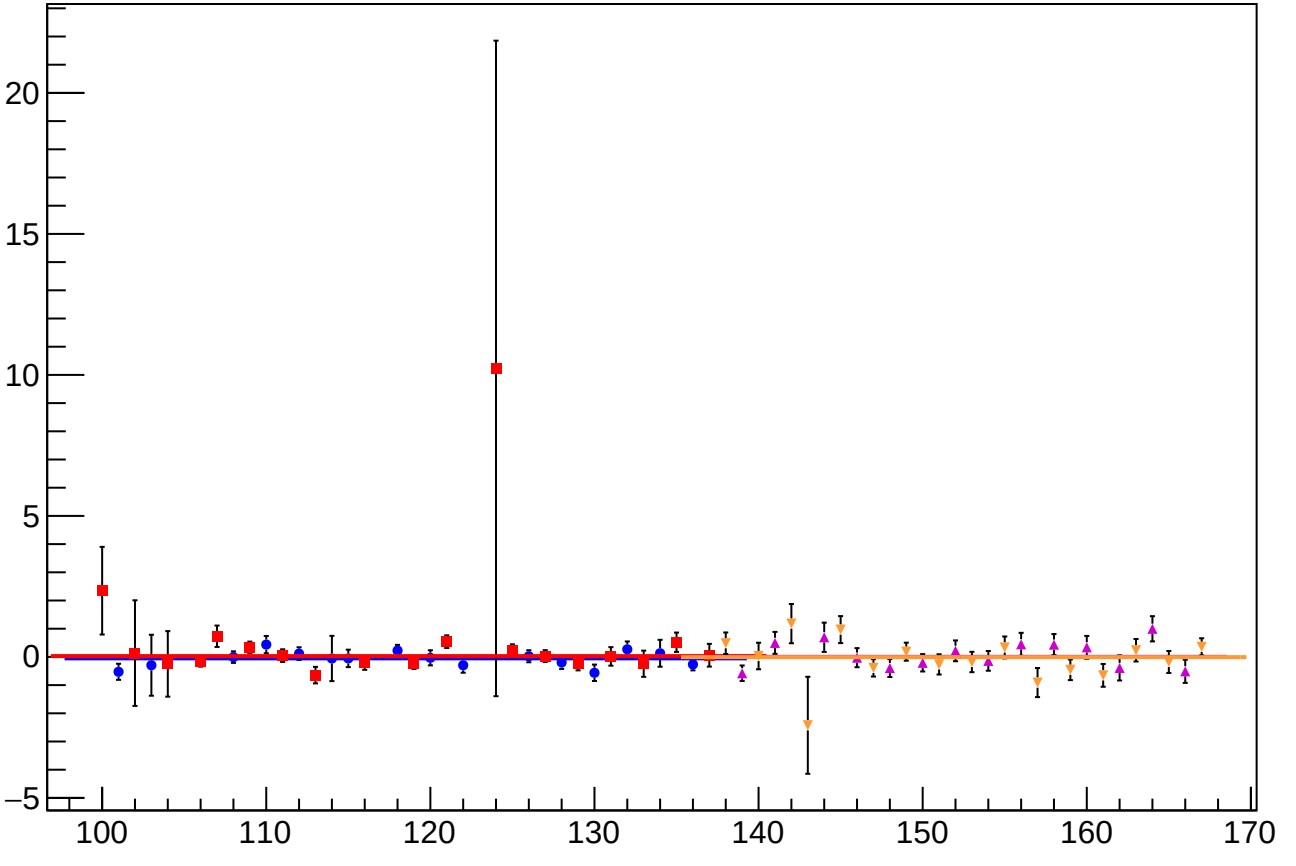
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 216.366+/-0.039 χ^2/NDF:5403474.3/29

Out: 206.239+/-0.038 χ^2/NDF:8790549.1/34

All: 211.171+/-0.027 χ^2/NDF: 14228535.9/64

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.008+/-0.099 χ^2/NDF:23.2/15

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.002+/-0.098 χ^2/NDF:20.9/13

Left: -0.003+/-0.070 χ^2/NDF: 44.2/29

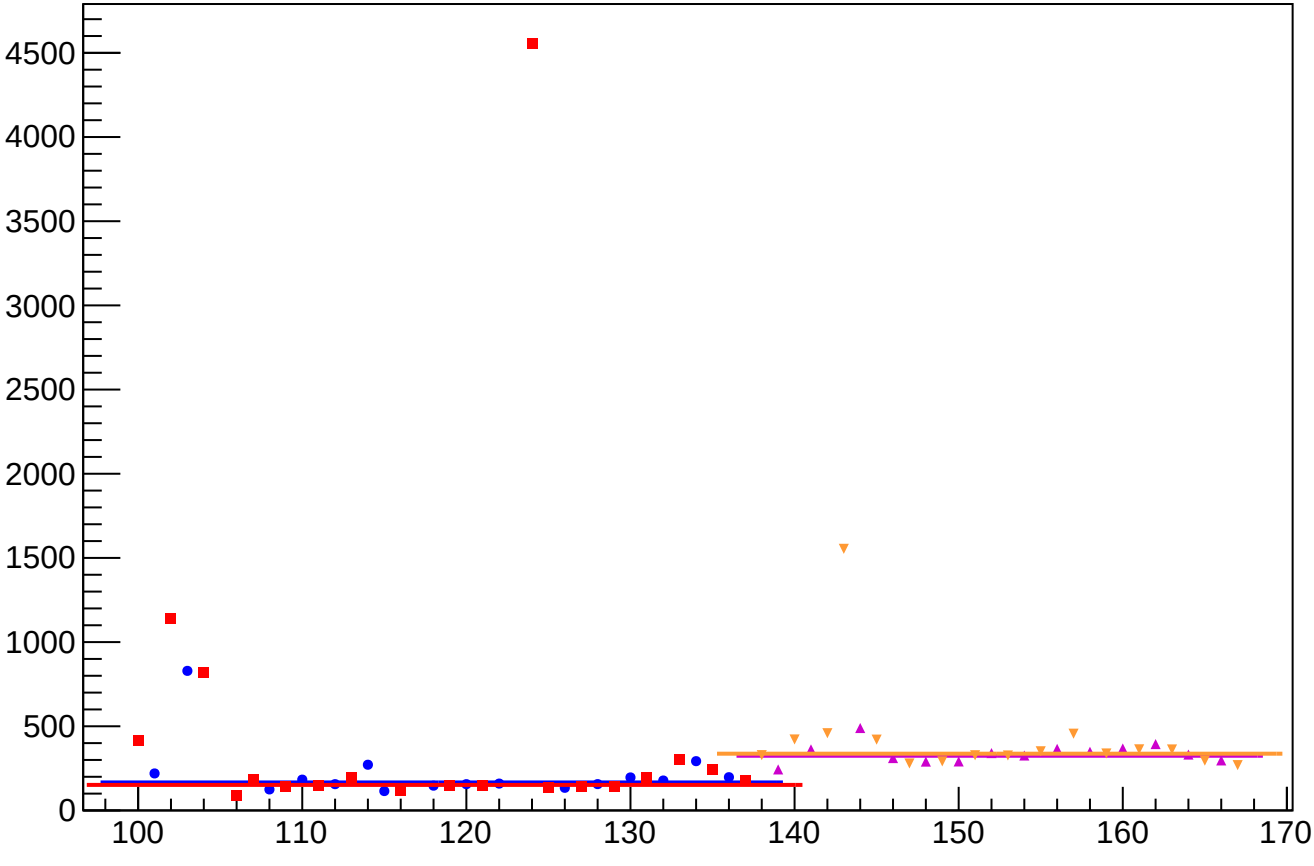
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.034+/-0.055 χ^2/NDF:36.0/29

Out: 0.018+/-0.054 χ^2/NDF:50.9/34

All: -0.007+/-0.039 χ^2/NDF: 87.3/64

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 337.160+/-0.070 χ^2/NDF:1549945.7/15

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 324.970+/-0.070 χ^2/NDF:558018.8/13

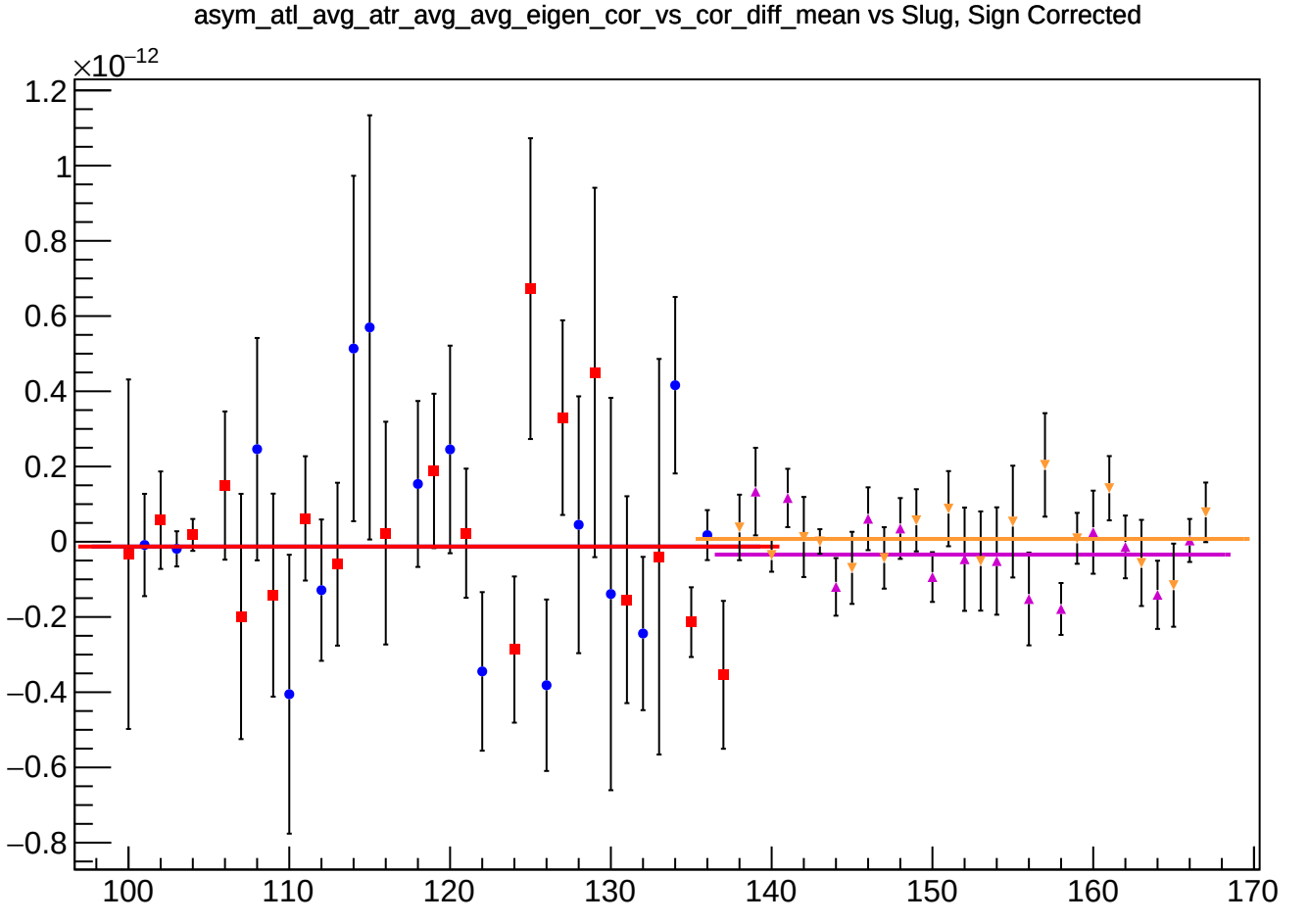
Left: 331.007+/-0.049 χ^2/NDF: 2123185.8/29

Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

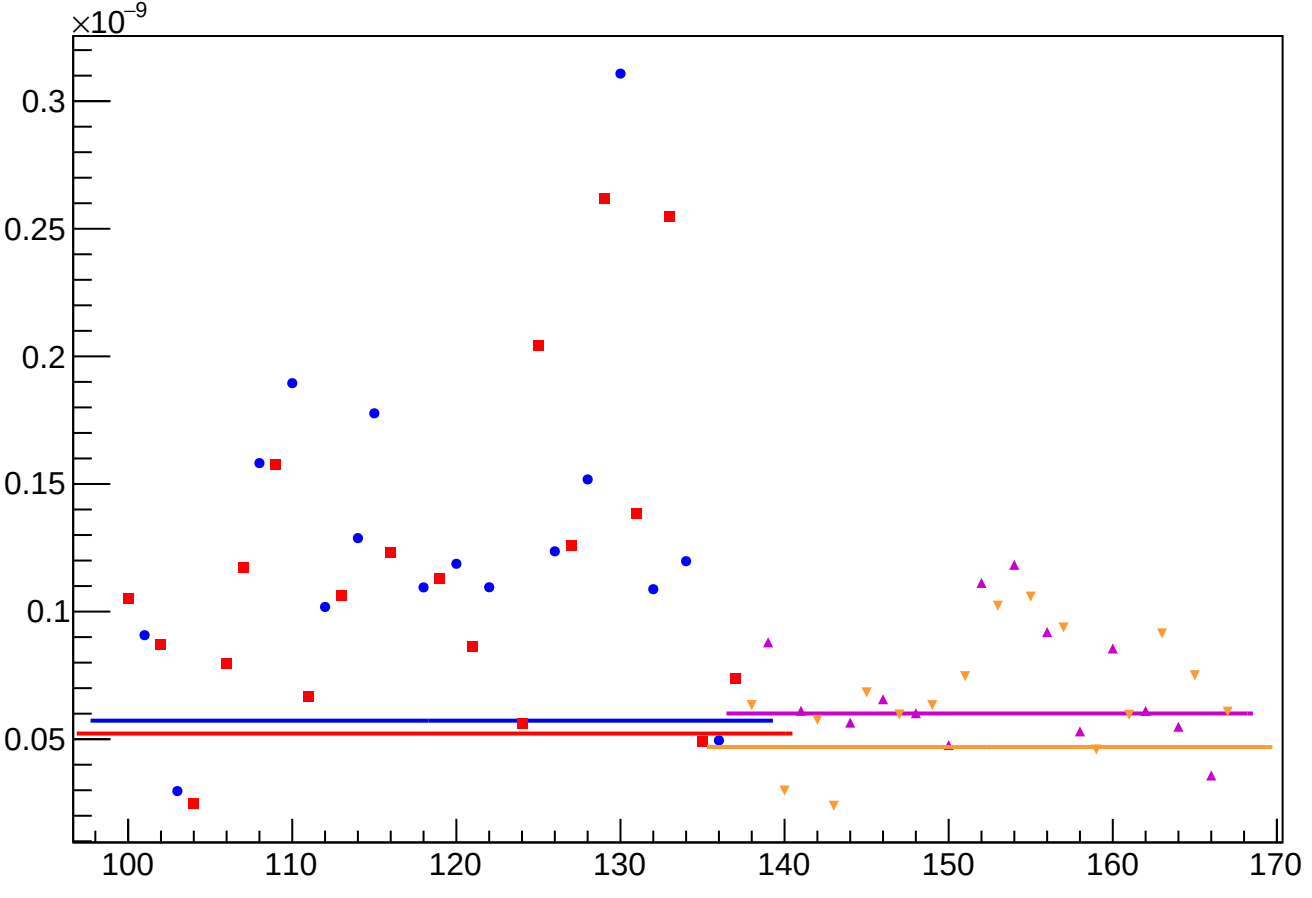
In: 216.366+/-0.039 χ^2/NDF:5403474.3/29

Out: 206.239+/-0.038 χ^2/NDF:8790549.1/34

All: 211.171+/-0.027 χ^2/NDF: 14228535.9/64


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: 0.000+/-0.000 χ²/NDF:10.3/15
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:17.4/13
Left: -0.000+/-0.000 χ²/NDF: 29.8/29
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:33.9/29
Out: 0.000+/-0.000 χ²/NDF:29.5/34
All: -0.000+/-0.000 χ²/NDF: 64.8/64

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3195525.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1436823.0/13

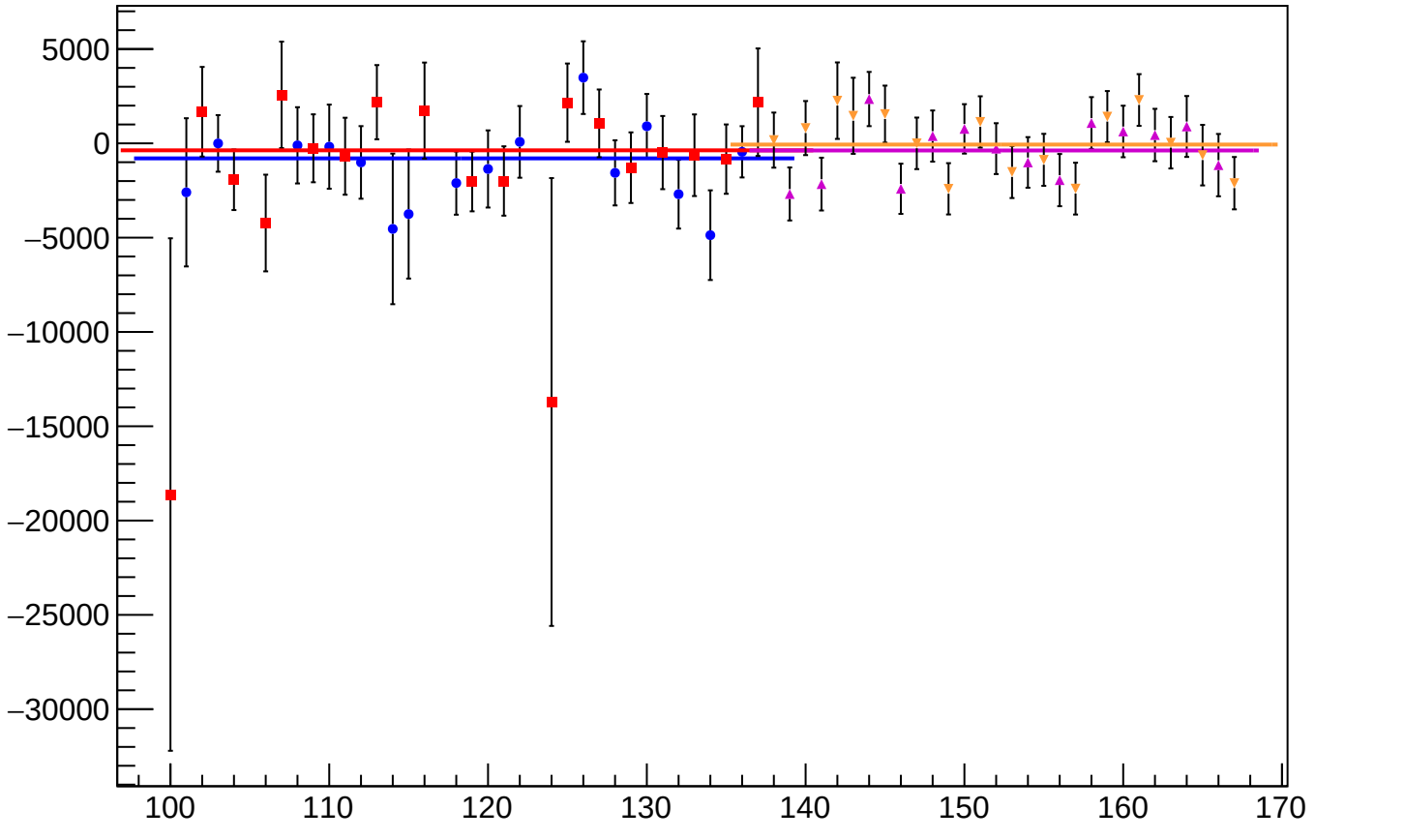
Left: 0.000+/-0.000 χ^2/NDF: 5041384.3/29

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4429898.2/29

Out: 0.000+/-0.000 χ^2/NDF:6525047.4/34

All: 0.000+/-0.000 χ^2/NDF: 11353891.0/64



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -64.536+/-362.785 χ^2/NDF:18.0/15

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -377.870+/-373.839 χ^2/NDF:15.7/13

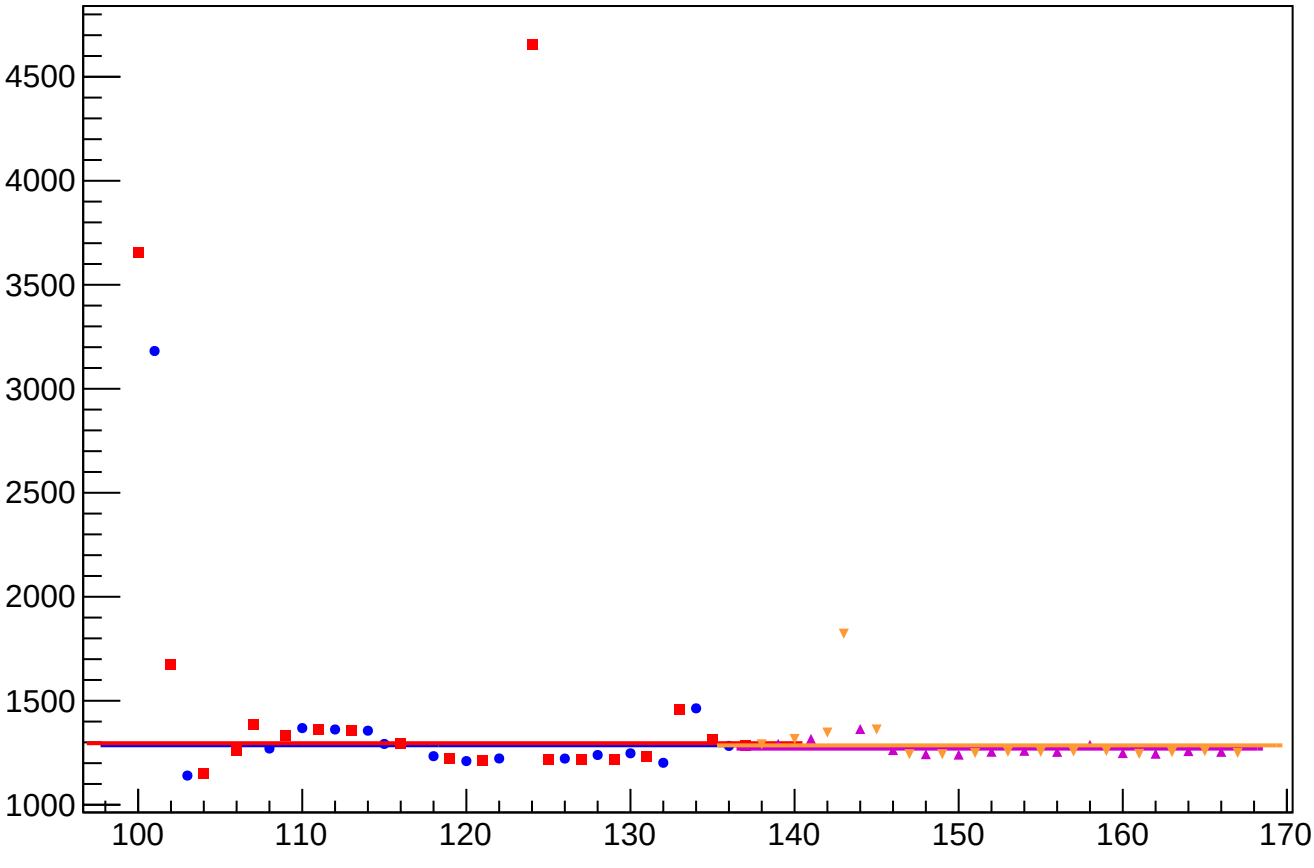
Left: -216.502+/-260.348 χ^2/NDF: 34.1/29

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -533.198+/-296.645 χ^2/NDF:29.6/29

Out: -173.894+/-290.682 χ^2/NDF:33.8/34

All: -349.899+/-207.619 χ^2/NDF: 64.2/64



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.4/15

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1277.995+/-0.184 χ^2/NDF: 180817.4/29

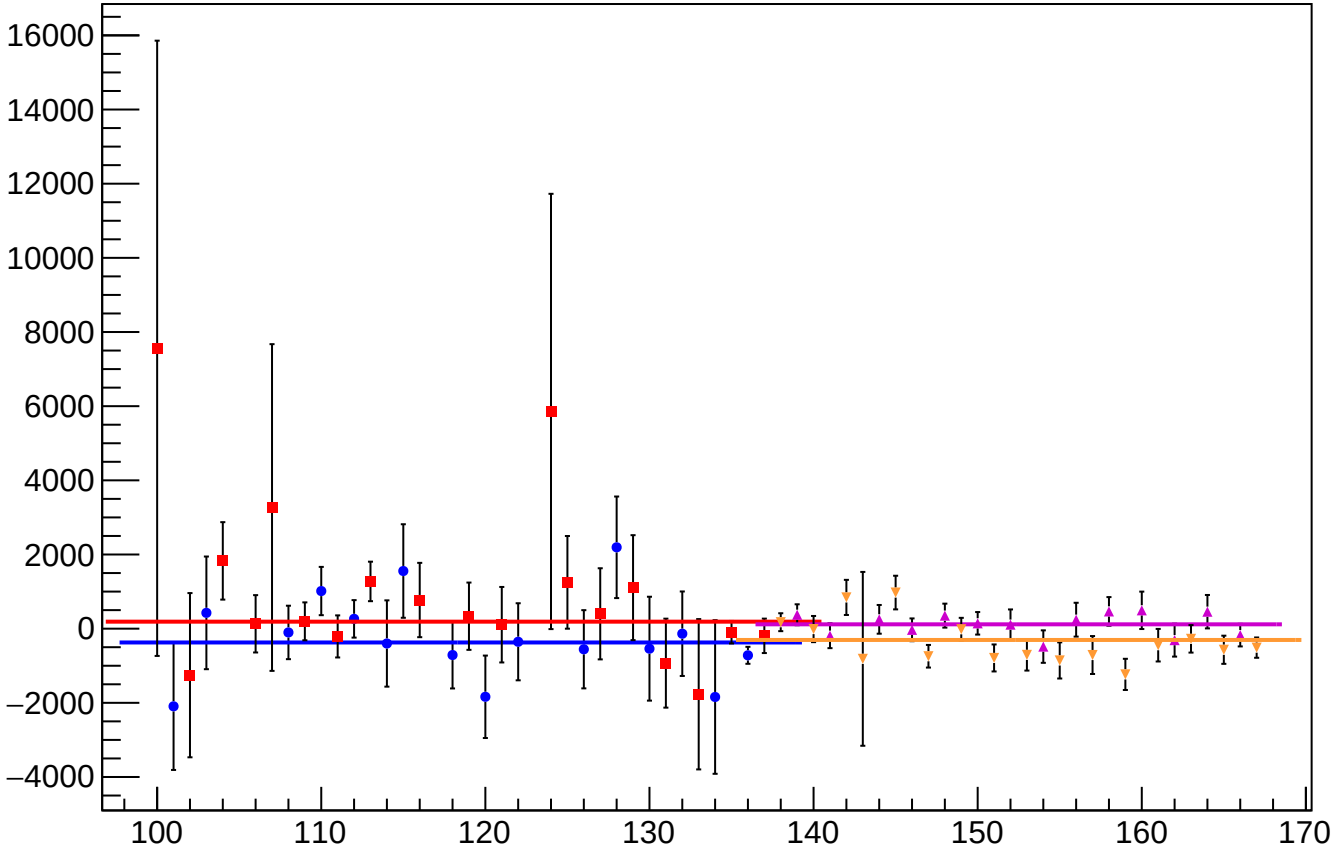
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1275.923+/-0.210 χ^2/NDF:535012.5/29

Out: 1289.290+/-0.206 χ^2/NDF:492166.4/34

All: 1282.742+/-0.147 χ^2/NDF: 1029250.7/64

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -304.623+/-93.025 χ^2/NDF:32.1/15

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 117.124+/-96.923 χ^2/NDF:8.3/13

Left: -102.399+/-67.114 χ^2/NDF: 50.2/29

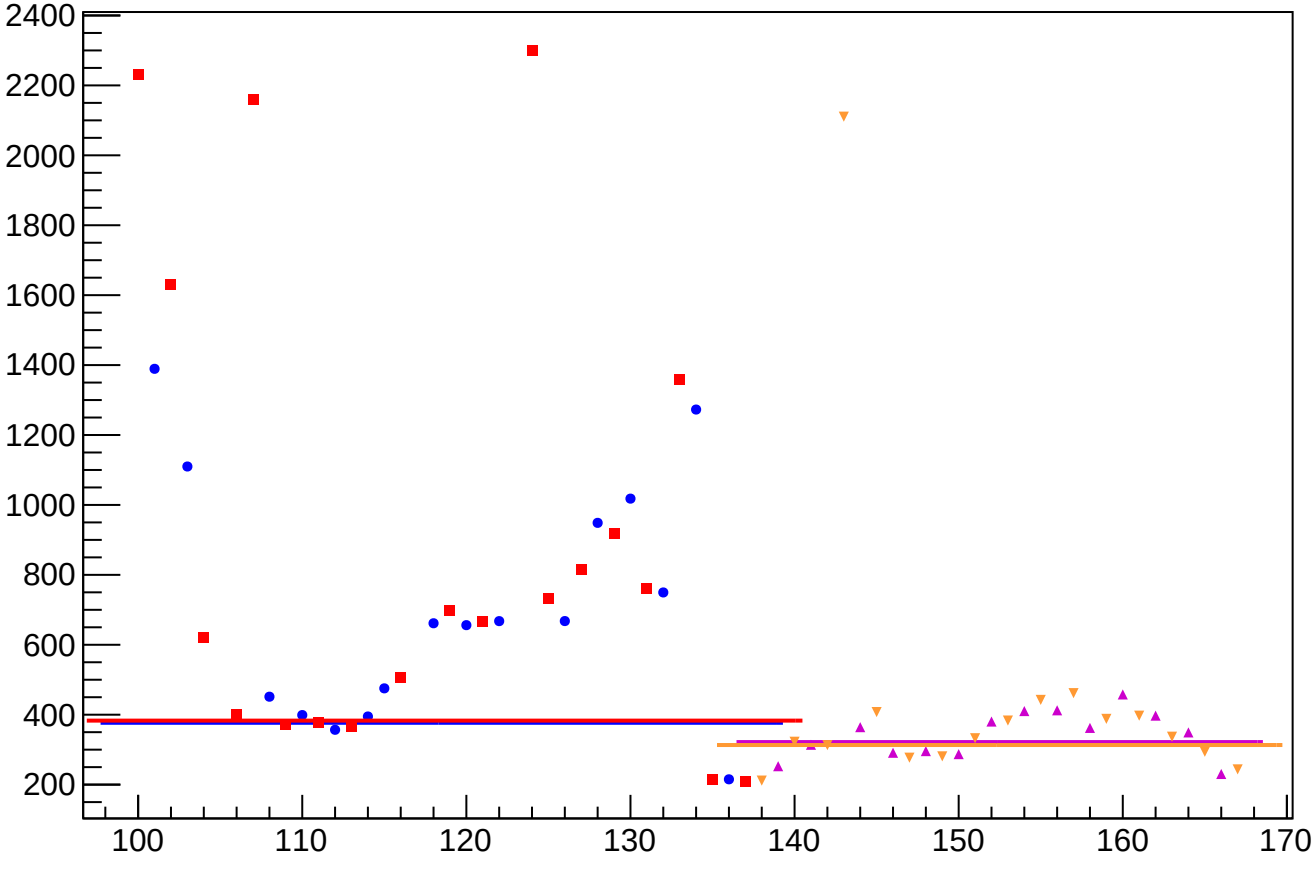
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -4.880+/-83.979 χ^2/NDF:32.8/29

Out: -190.448+/-81.559 χ^2/NDF:53.2/34

All: -100.376+/-58.508 χ^2/NDF: 88.6/64

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 313.264+/-0.066 χ^2/NDF:2317331.4/15

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 321.695+/-0.069 χ^2/NDF:818237.7/13

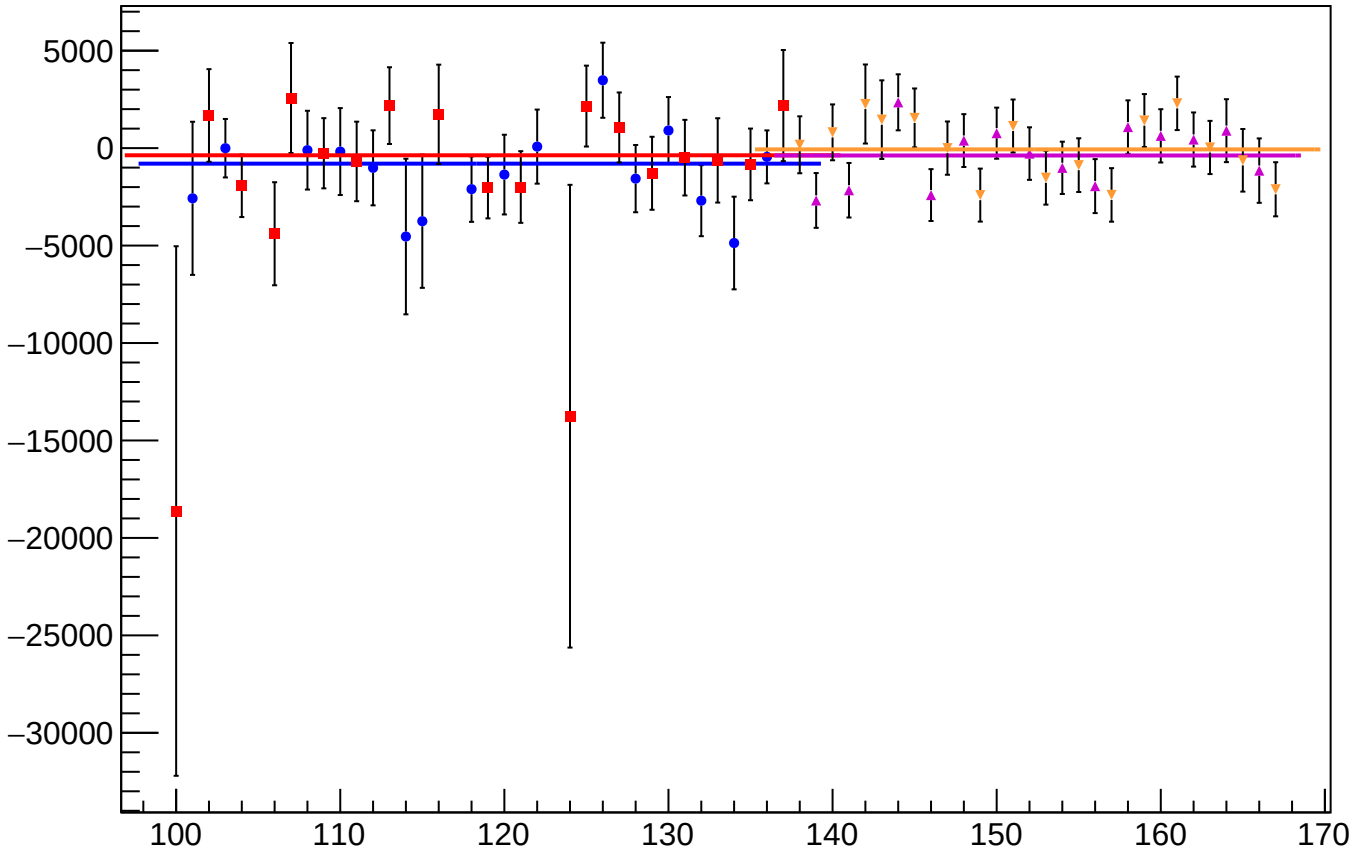
Left: 317.306+/-0.047 χ^2/NDF: 3143445.8/29

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 335.454+/-0.059 χ^2/NDF:5170124.0/29

Out: 329.413+/-0.058 χ^2/NDF:6631996.9/34

All: 332.345+/-0.041 χ^2/NDF: 11807447.0/64



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -64.479+/-362.785 χ^2/NDF:18.0/15

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -377.818+/-373.839 χ^2/NDF:15.7/13

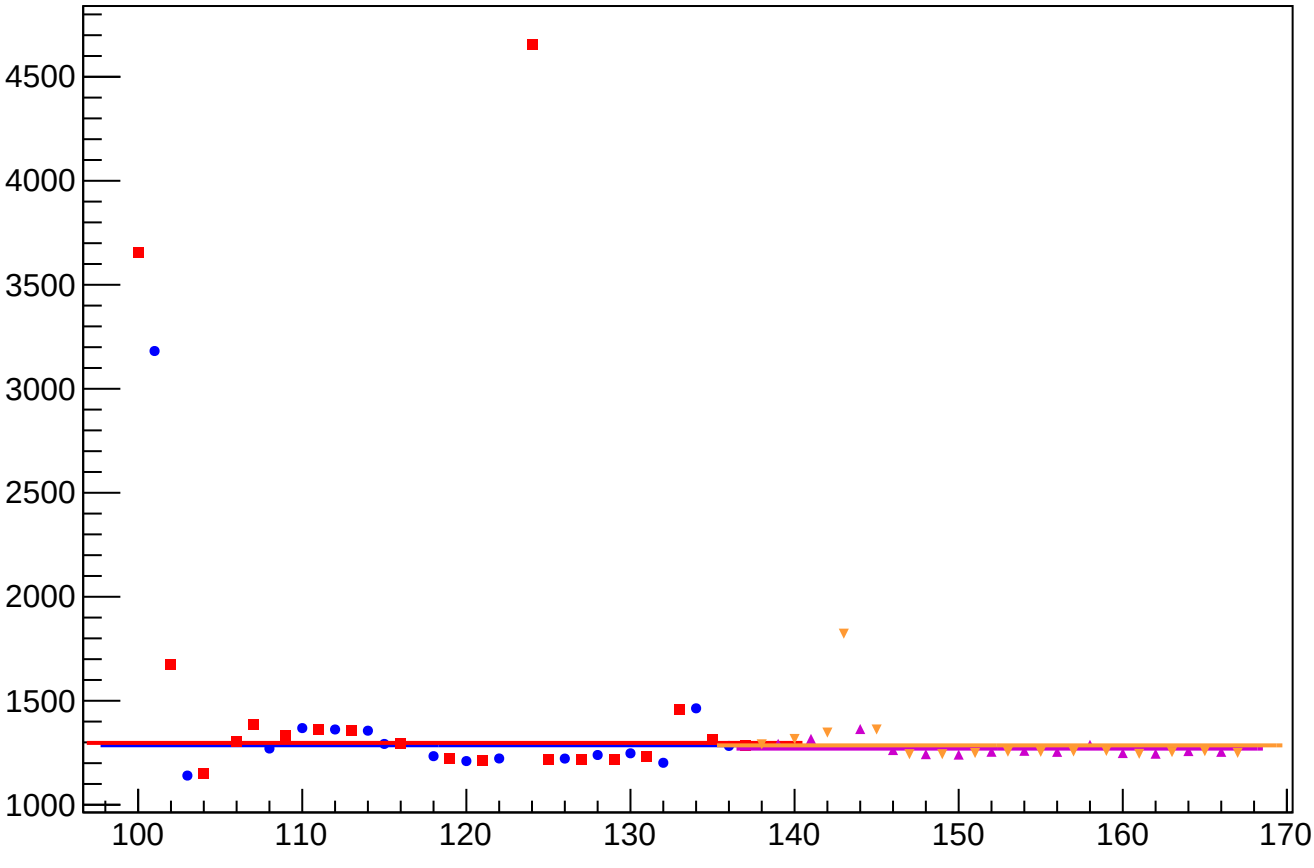
Left: -216.447+/-260.348 χ^2/NDF: 34.1/29

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -533.017+/-296.645 χ^2/NDF:29.6/29

Out: -172.800+/-290.794 χ^2/NDF:33.9/34

All: -349.322+/-207.660 χ^2/NDF: 64.2/64



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.3/15

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1277.995+/-0.184 χ^2/NDF: 180817.4/29

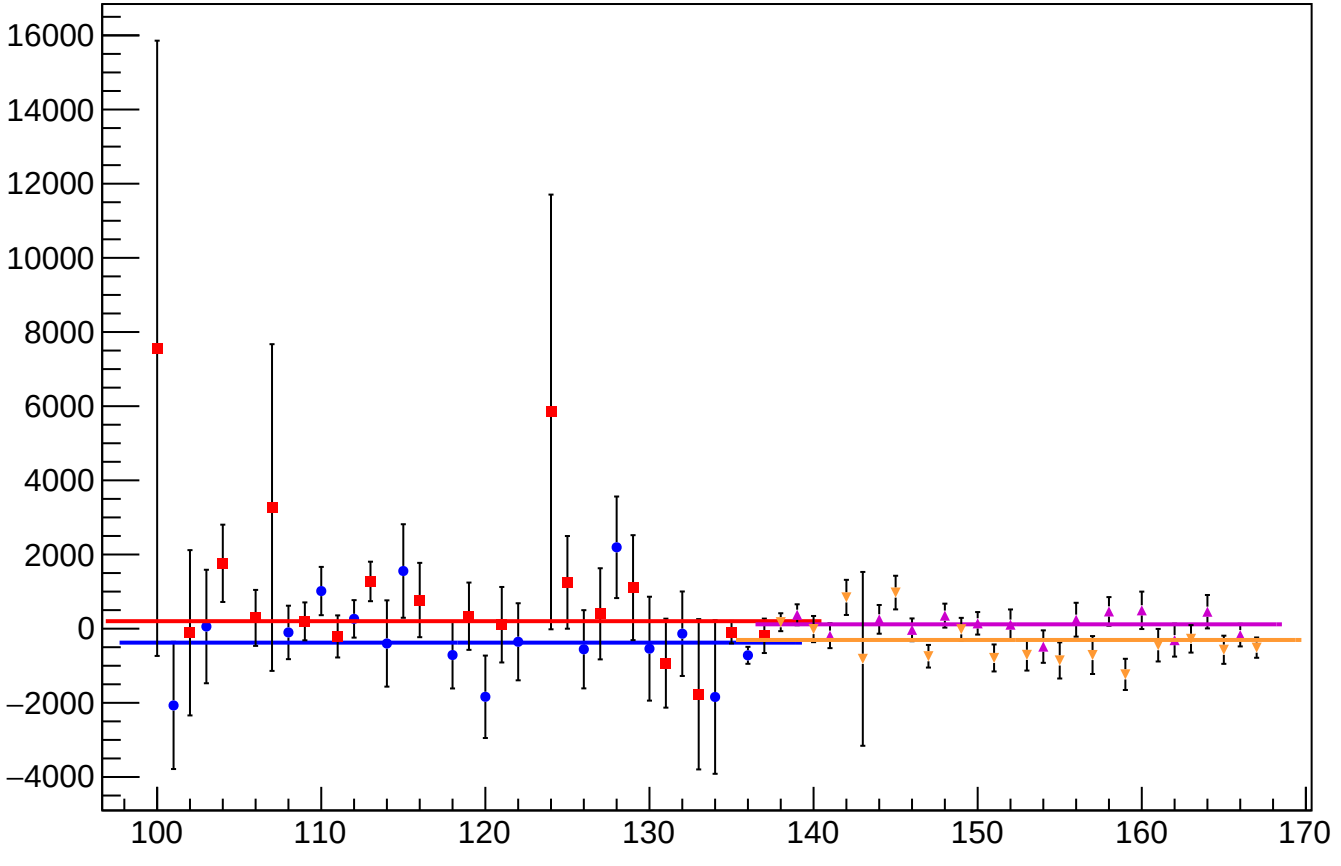
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1275.923+/-0.210 χ^2/NDF:535013.9/29

Out: 1289.804+/-0.206 χ^2/NDF:492012.1/34

All: 1283.002+/-0.147 χ^2/NDF: 1029259.3/64

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -304.631+/-93.028 χ^2/NDF:32.1/15

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 117.149+/-96.923 χ^2/NDF:8.3/13

Left: -102.387+/-67.115 χ^2/NDF: 50.2/29

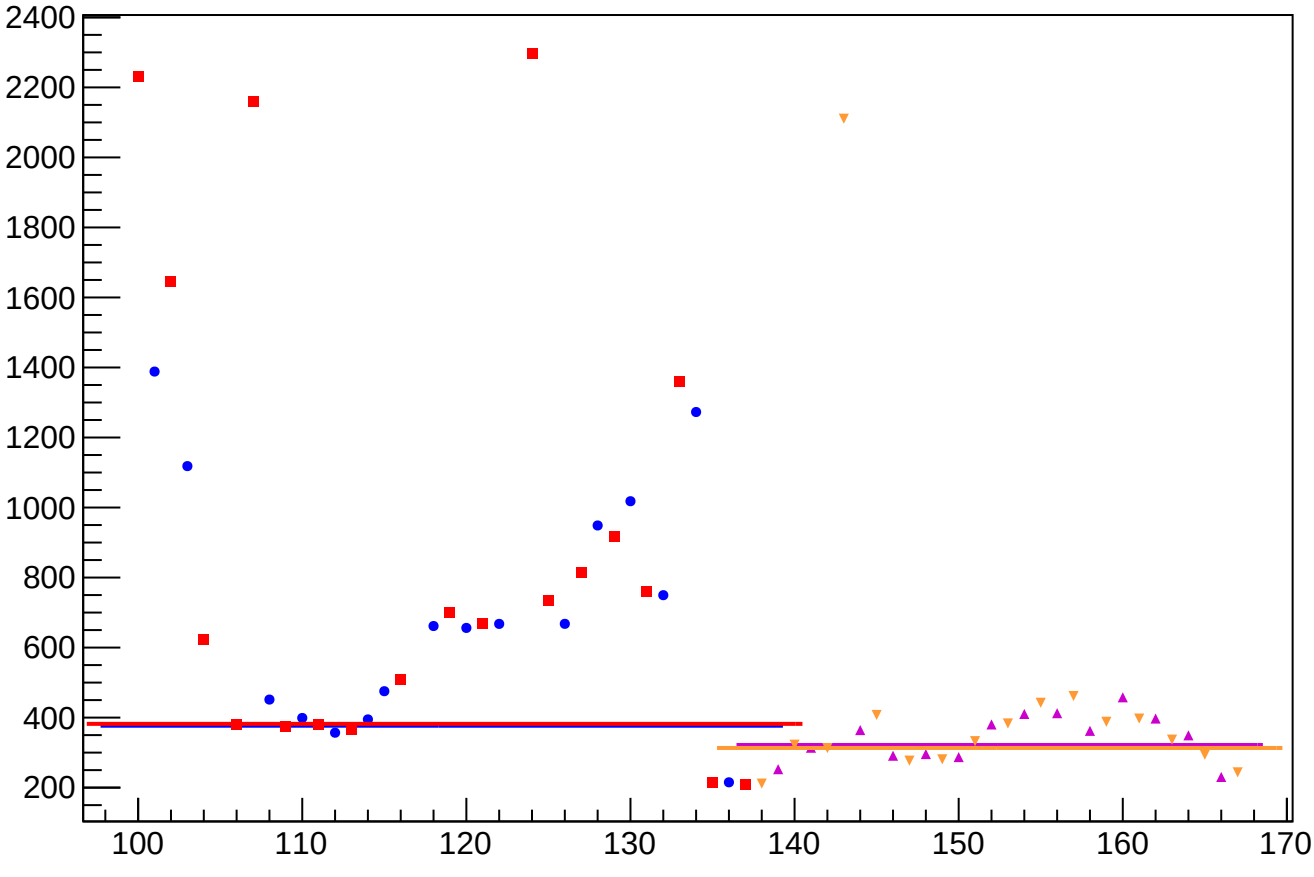
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.947+/-83.981 χ^2/NDF:32.7/29

Out: -187.187+/-81.539 χ^2/NDF:53.0/34

All: -99.241+/-58.501 χ^2/NDF: 88.1/64

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.272+/-0.066 χ^2/NDF:2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 321.694+/-0.069 χ^2/NDF:818347.2/13

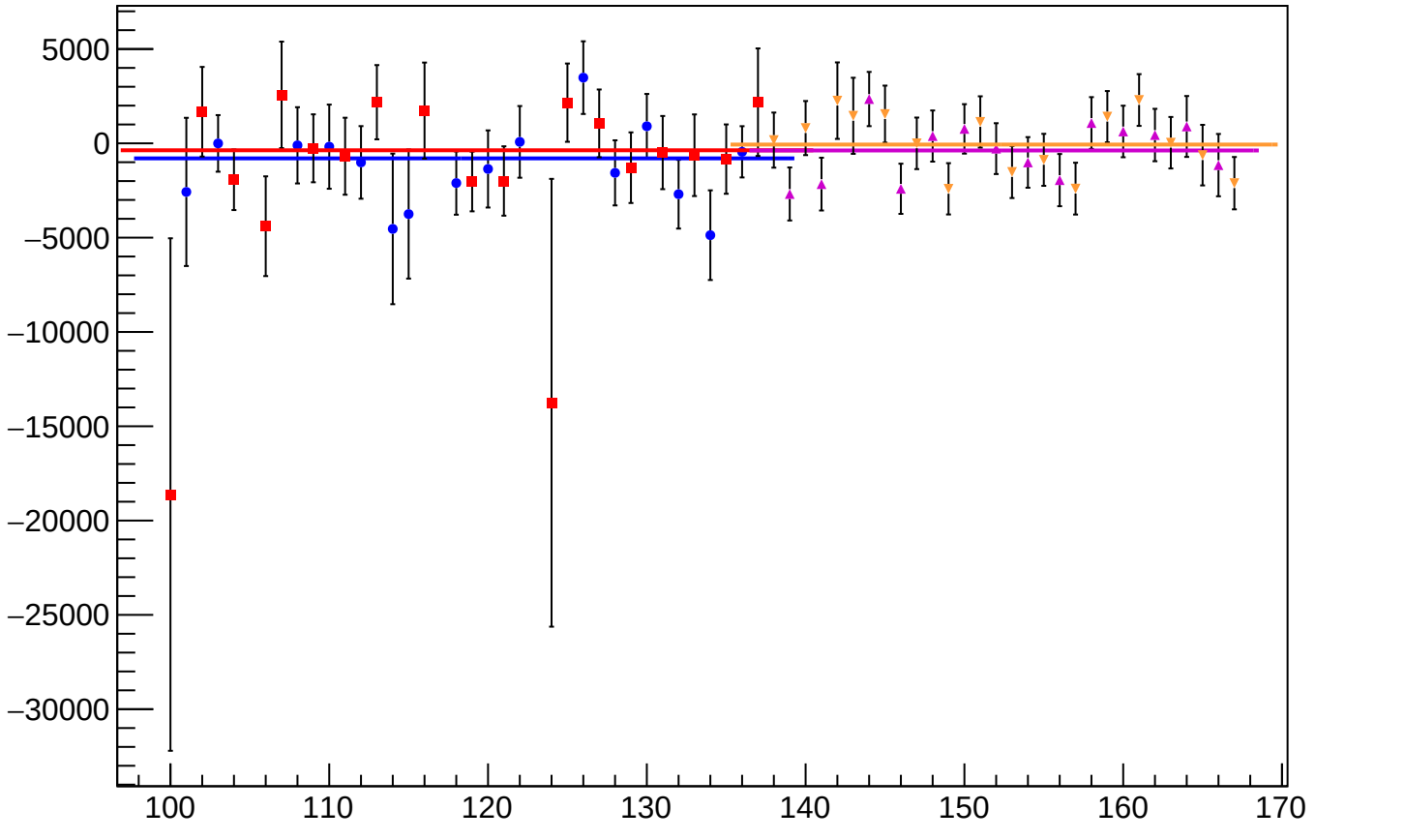
Left: 317.311+/-0.047 χ^2/NDF: 3143393.4/29

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 335.449+/-0.059 χ^2/NDF:5173290.6/29

Out: 329.231+/-0.058 χ^2/NDF:6630768.9/34

All: 332.248+/-0.041 χ^2/NDF: 11809702.4/64



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -64.479+/-362.785 χ^2/NDF:18.0/15

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -377.818+/-373.839 χ^2/NDF:15.7/13

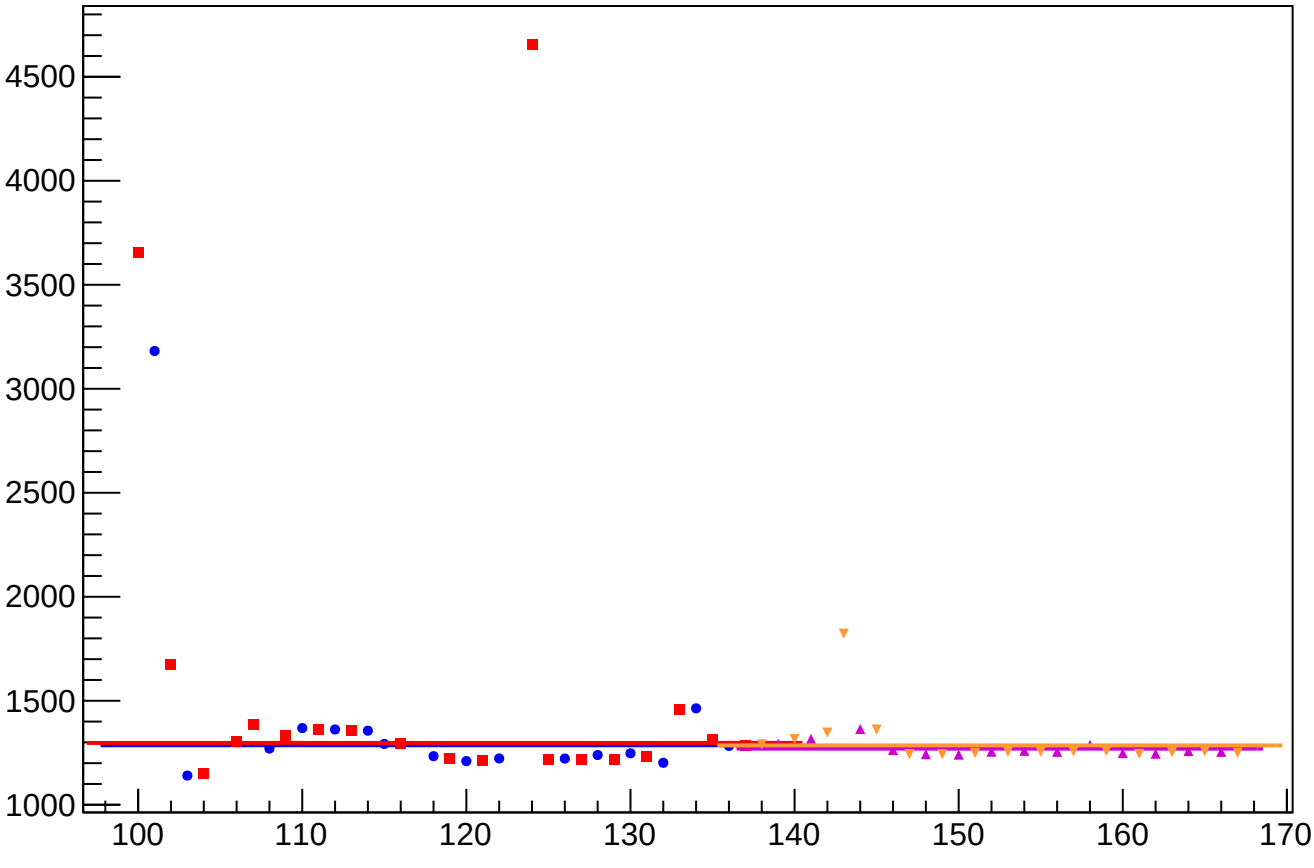
Left: -216.447+/-260.348 χ^2/NDF: 34.1/29

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -533.017+/-296.645 χ^2/NDF:29.6/29

Out: -172.800+/-290.794 χ^2/NDF:33.9/34

All: -349.322+/-207.660 χ^2/NDF: 64.2/64



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.3/15

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1277.995+/-0.184 χ^2/NDF: 180817.4/29

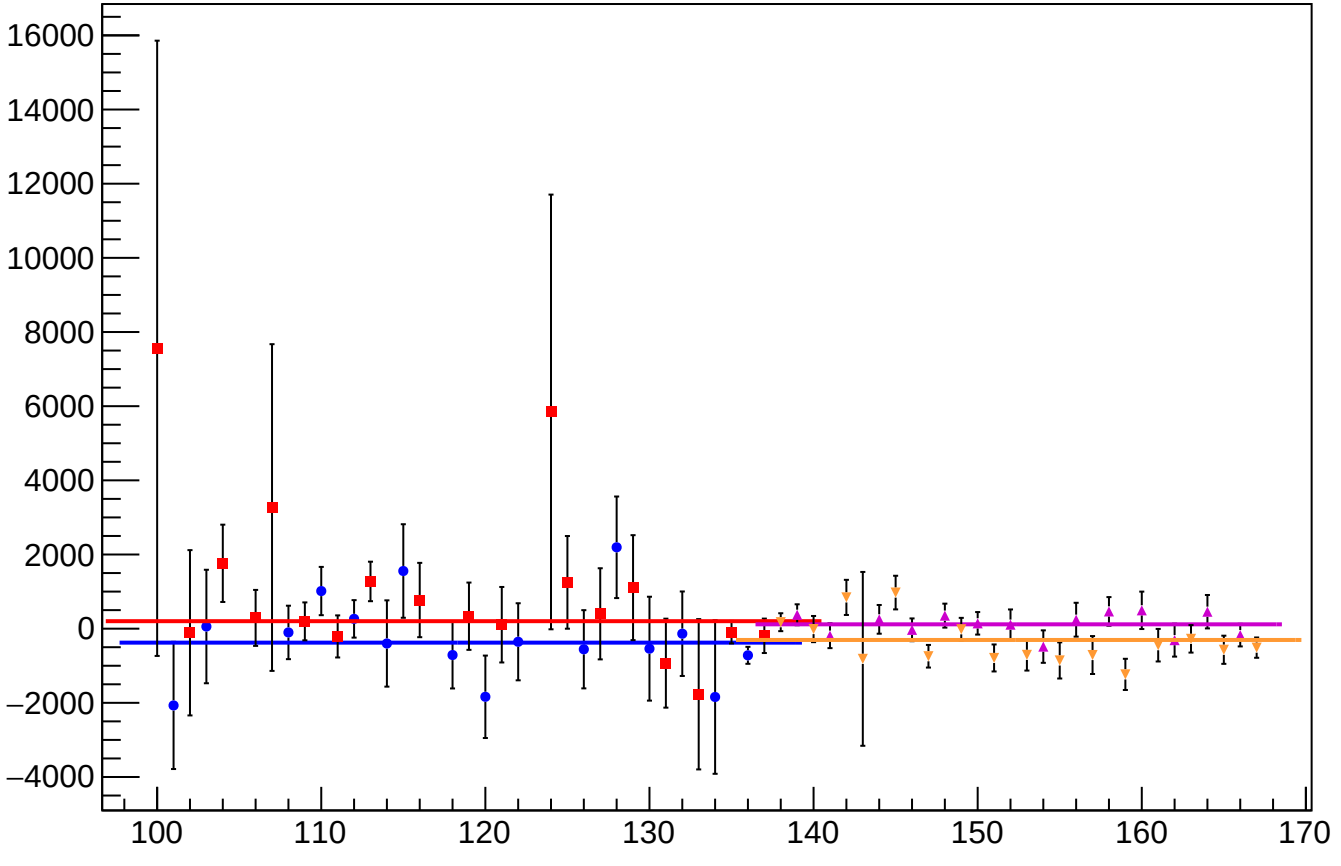
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1275.923+/-0.210 χ^2/NDF:535013.9/29

Out: 1289.804+/-0.206 χ^2/NDF:492012.1/34

All: 1283.002+/-0.147 χ^2/NDF: 1029259.3/64

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -304.631+/-93.028 χ^2/NDF:32.1/15

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 117.149+/-96.923 χ^2/NDF:8.3/13

Left: -102.387+/-67.115 χ^2/NDF: 50.2/29

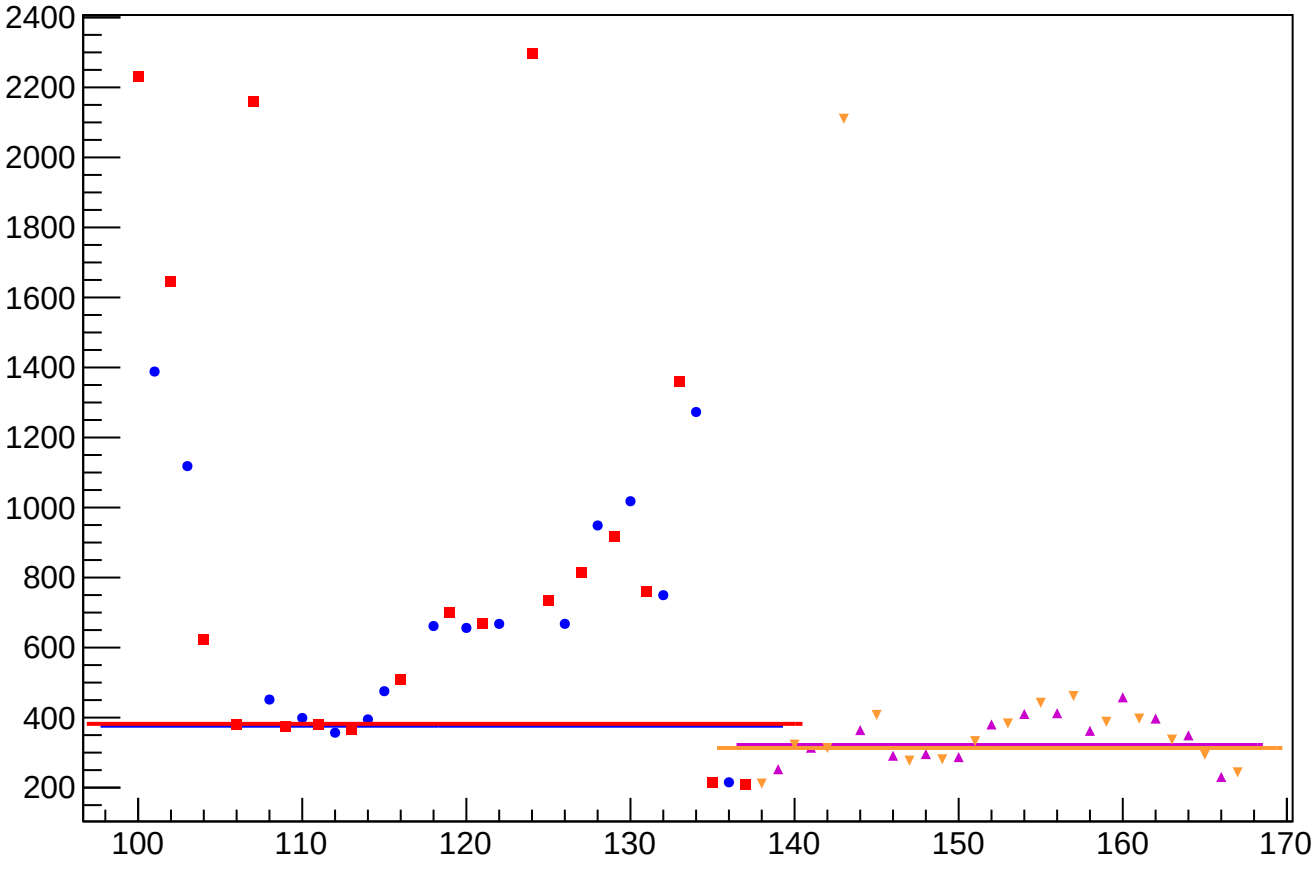
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.947+/-83.981 χ^2/NDF:32.7/29

Out: -187.187+/-81.539 χ^2/NDF:53.0/34

All: -99.241+/-58.501 χ^2/NDF: 88.1/64

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.272+/-0.066 χ^2/NDF:2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 321.694+/-0.069 χ^2/NDF:818347.2/13

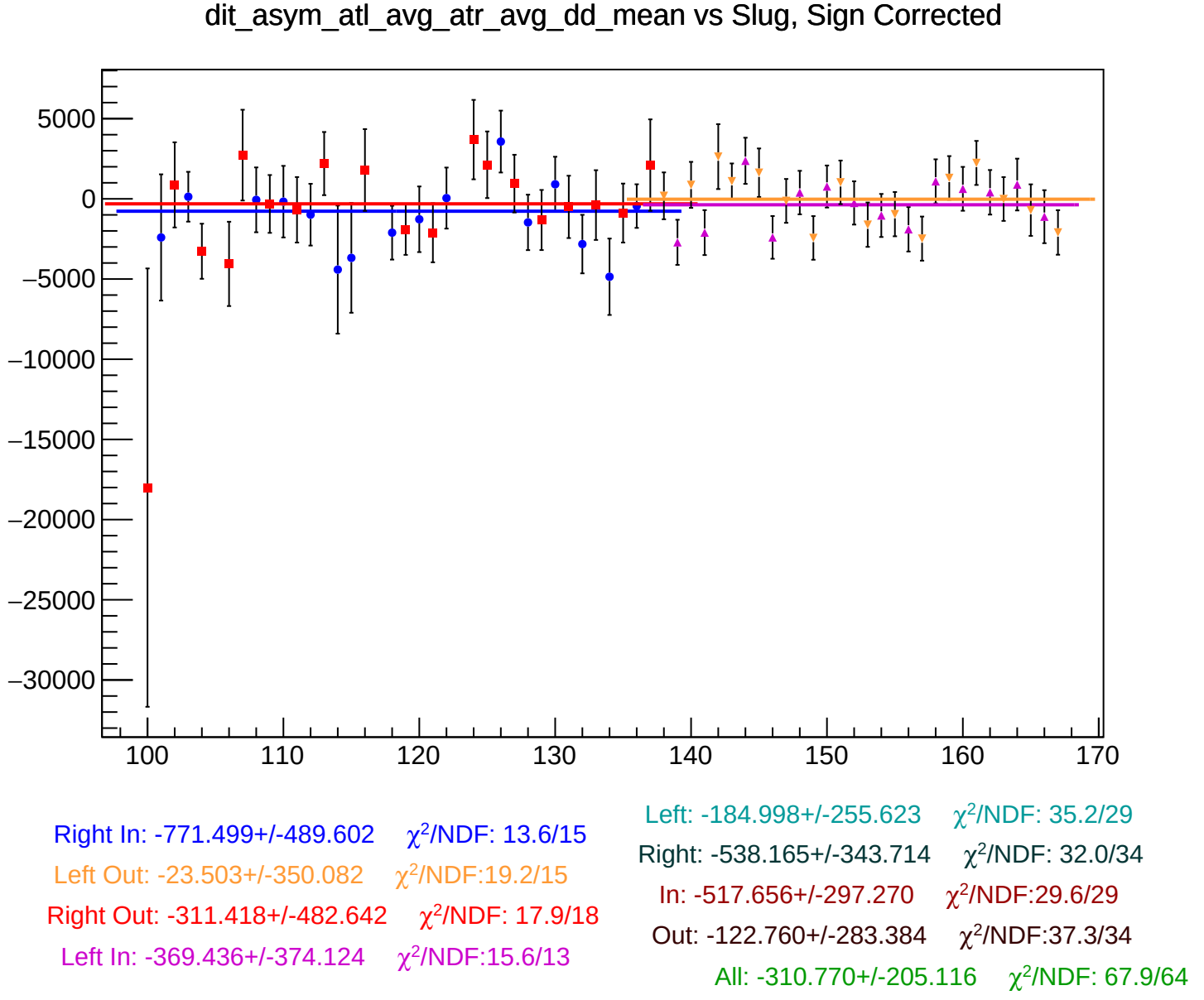
Left: 317.311+/-0.047 χ^2/NDF: 3143393.4/29

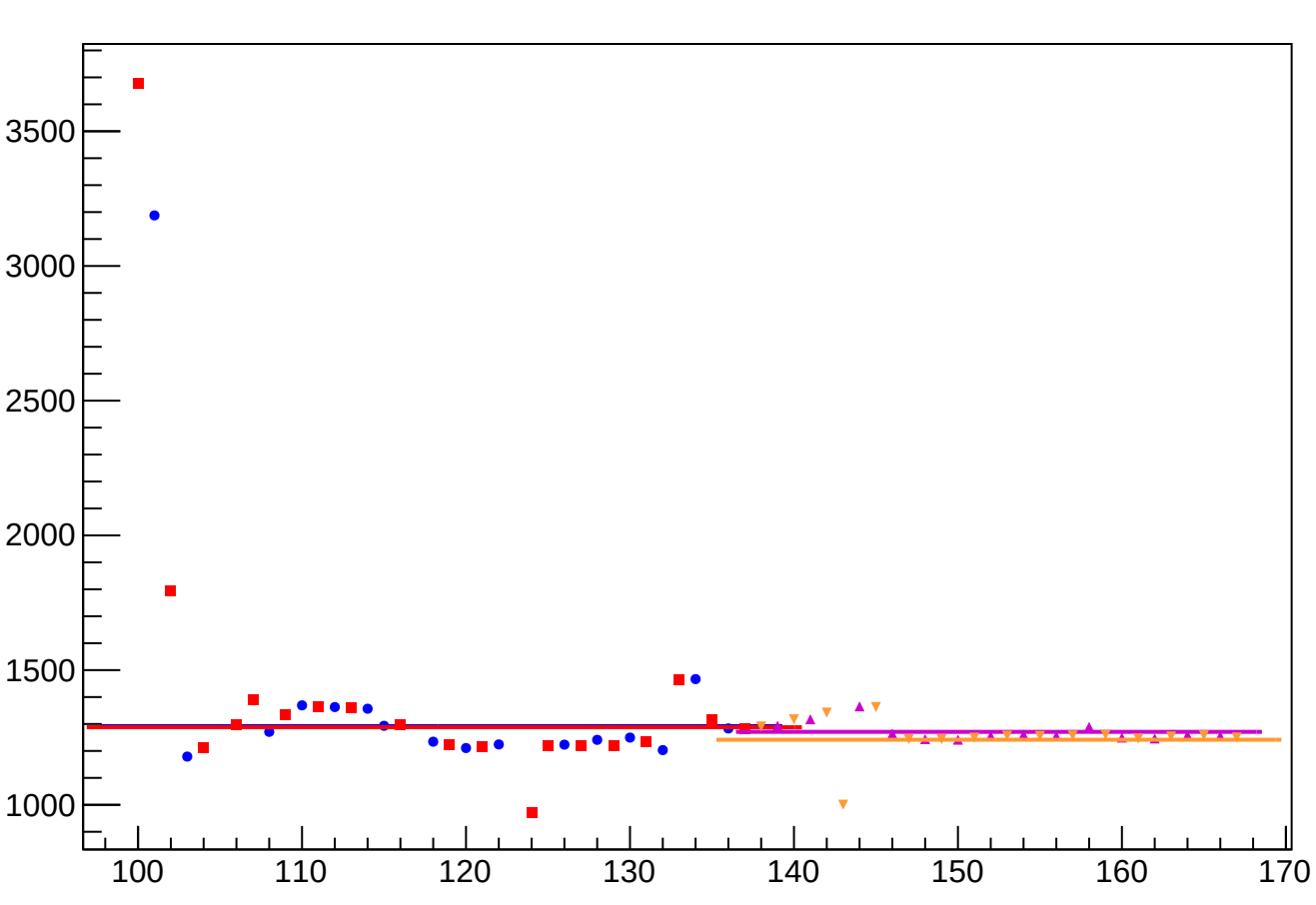
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 335.449+/-0.059 χ^2/NDF:5173290.6/29

Out: 329.231+/-0.058 χ^2/NDF:6630768.9/34

All: 332.248+/-0.041 χ^2/NDF: 11809702.4/64


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -23.503+/-350.082 χ²/NDF:19.2/15
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -369.436+/-374.124 χ²/NDF:15.6/13
Left: -184.998+/-255.623 χ²/NDF: 35.2/29
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -517.656+/-297.270 χ²/NDF:29.6/29
Out: -122.760+/-283.384 χ²/NDF:37.3/34
All: -310.770+/-205.116 χ²/NDF: 67.9/64



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1241.561+/-0.248 χ^2/NDF:122229.2/15

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1270.900+/-0.265 χ^2/NDF:15599.3/13

Left: 1255.257+/-0.181 χ^2/NDF: 144386.2/29

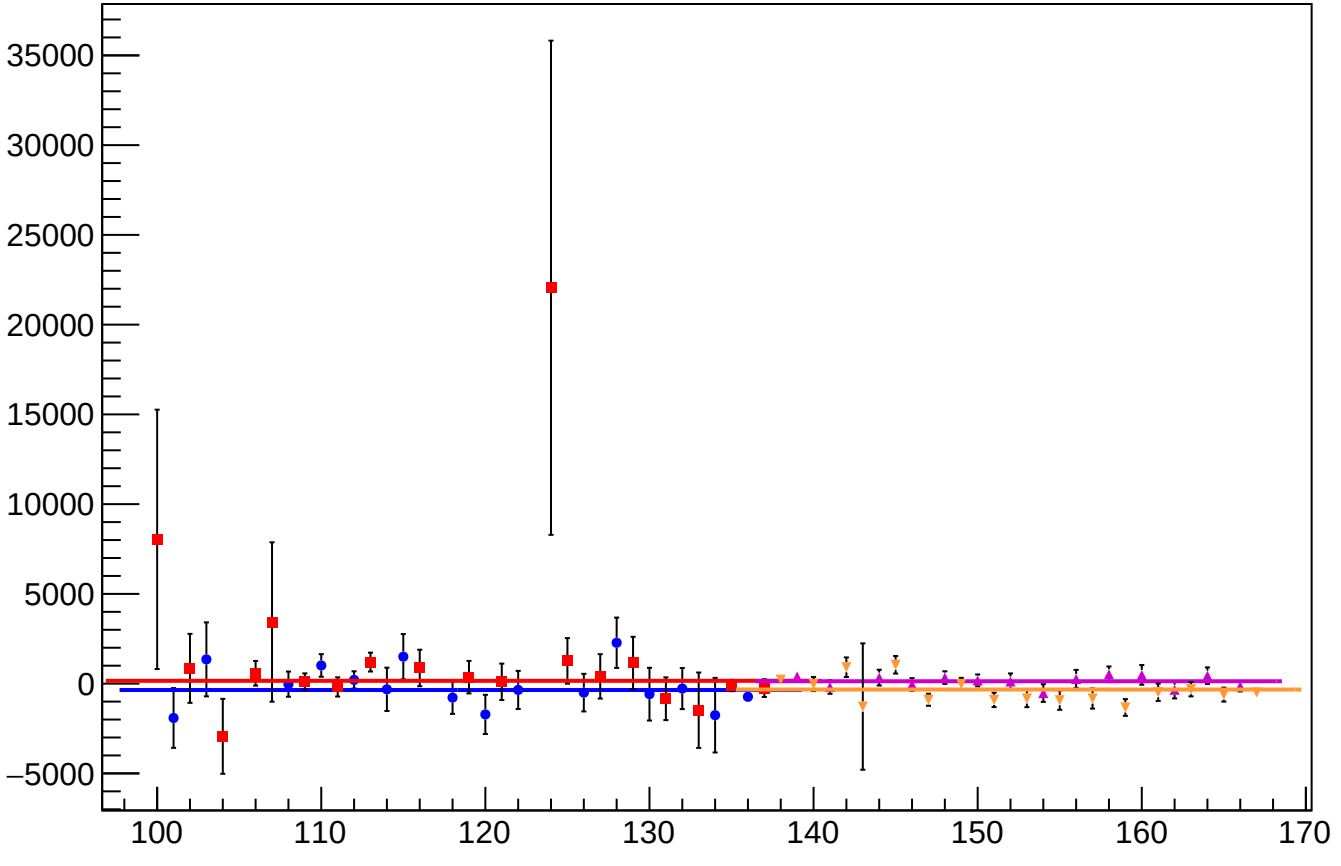
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1278.692+/-0.210 χ^2/NDF:527359.3/29

Out: 1257.566+/-0.200 χ^2/NDF:343564.7/34

All: 1267.624+/-0.145 χ^2/NDF: 876215.8/64

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -327.824+/-98.934 χ^2/NDF:33.4/15

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 133.328+/-103.813 χ^2/NDF:7.8/13

Left: -108.339+/-71.620 χ^2/NDF: 51.5/29

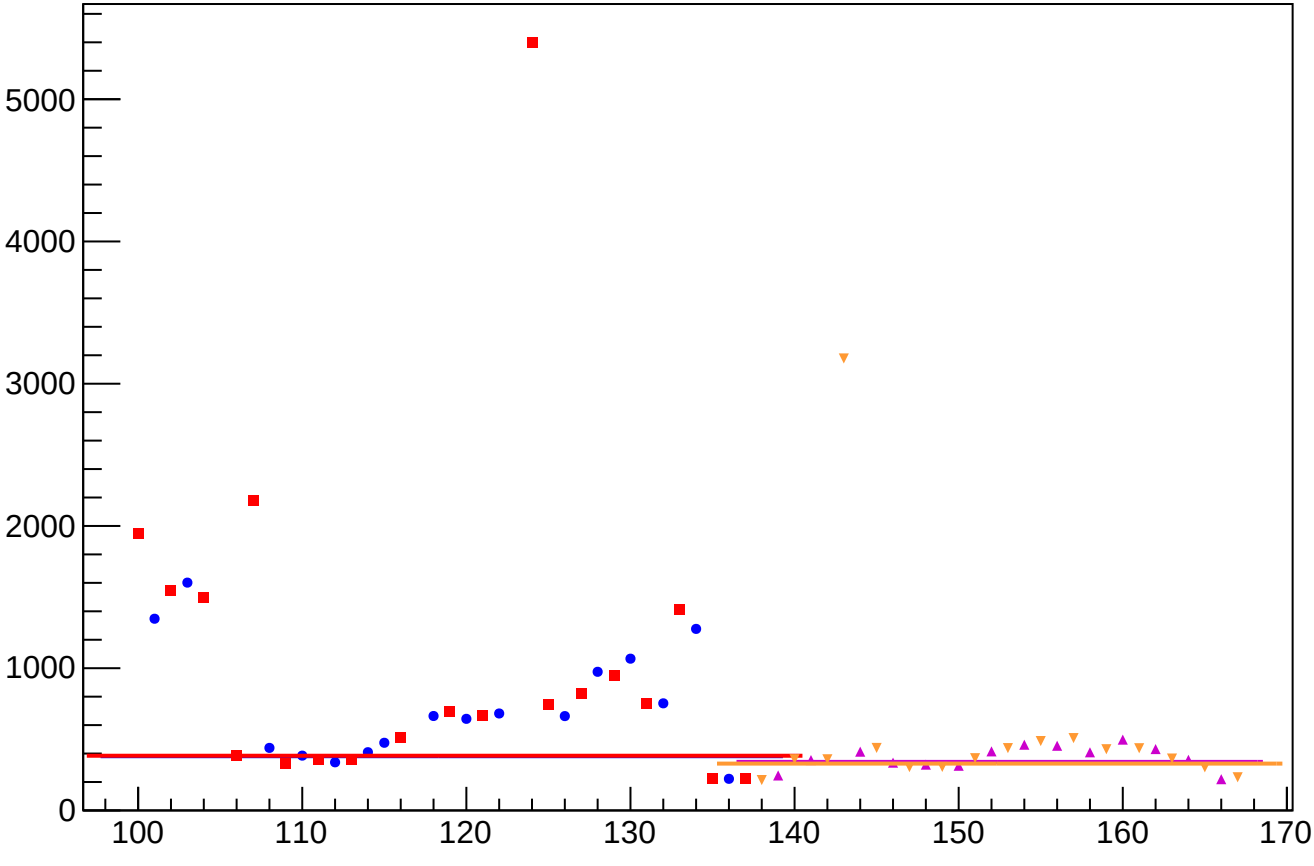
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 0.593+/-88.595 χ^2/NDF:32.3/29

Out: -204.569+/-85.465 χ^2/NDF:55.3/34

All: -105.676+/-61.510 χ^2/NDF: 90.4/64

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 329.360+/-0.070 χ^2/NDF:2886622.7/15

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 341.365+/-0.073 χ^2/NDF:1221700.0/13

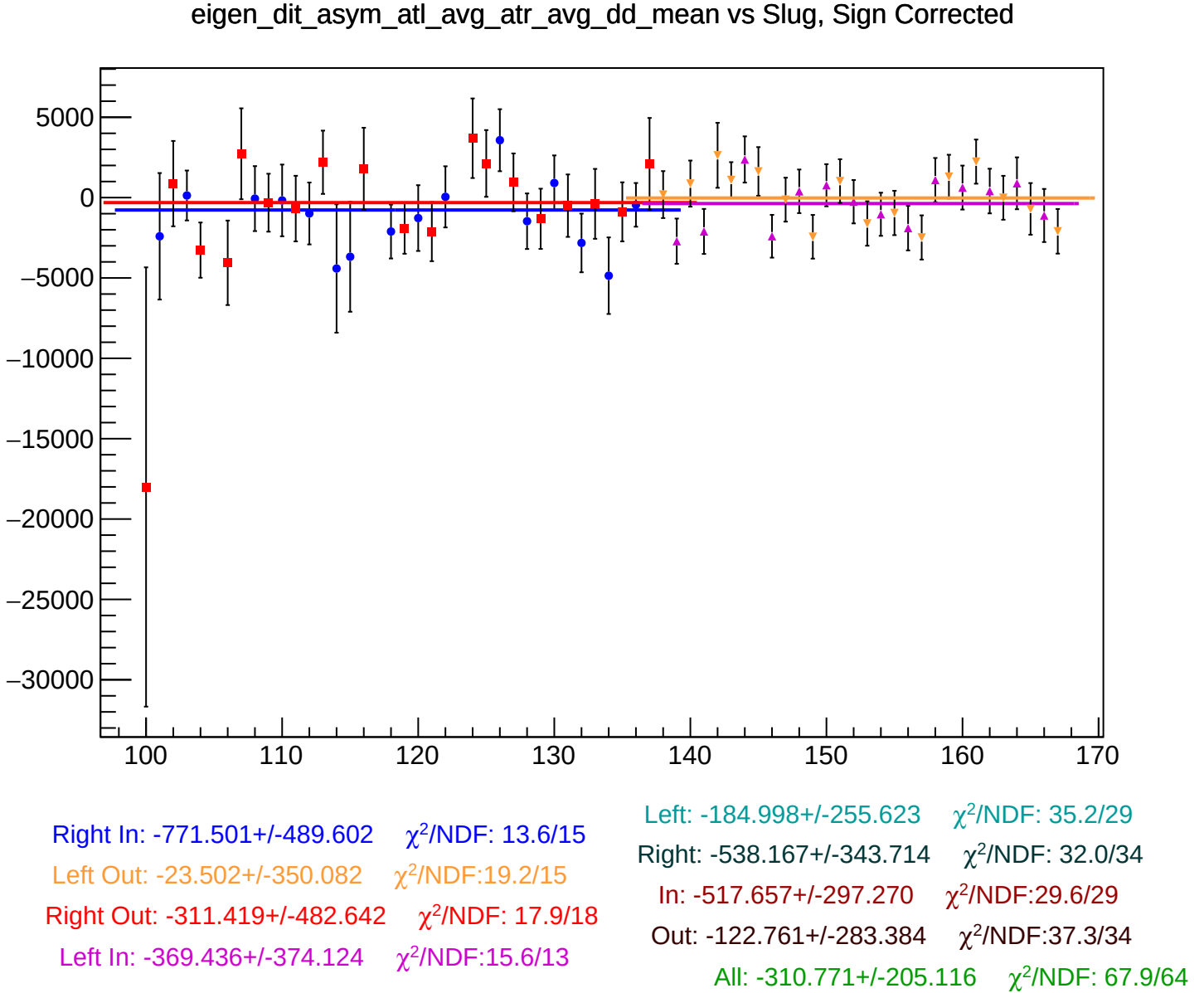
Left: 335.074+/-0.051 χ^2/NDF: 4122340.2/29

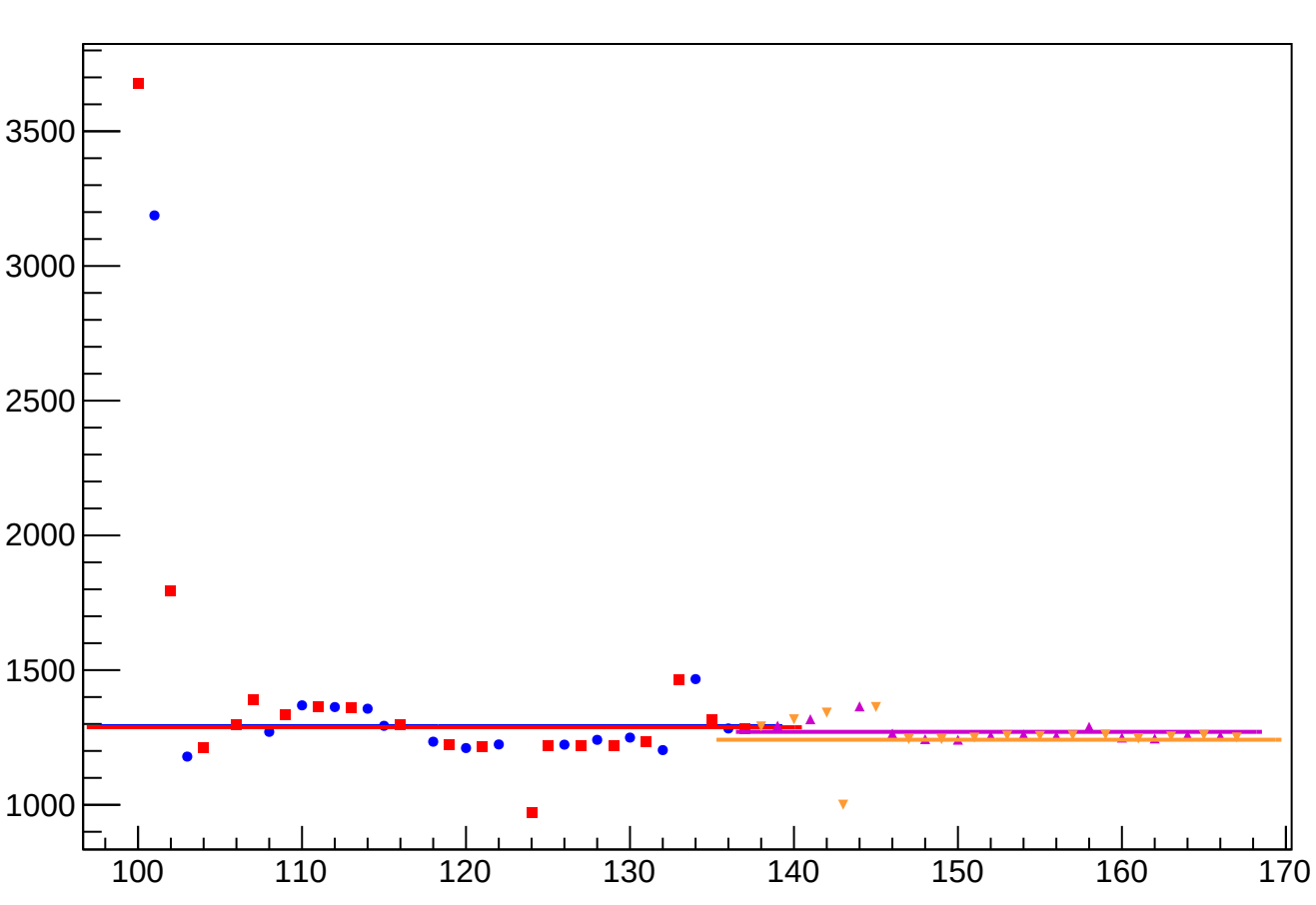
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 352.229+/-0.063 χ^2/NDF:5620227.7/29

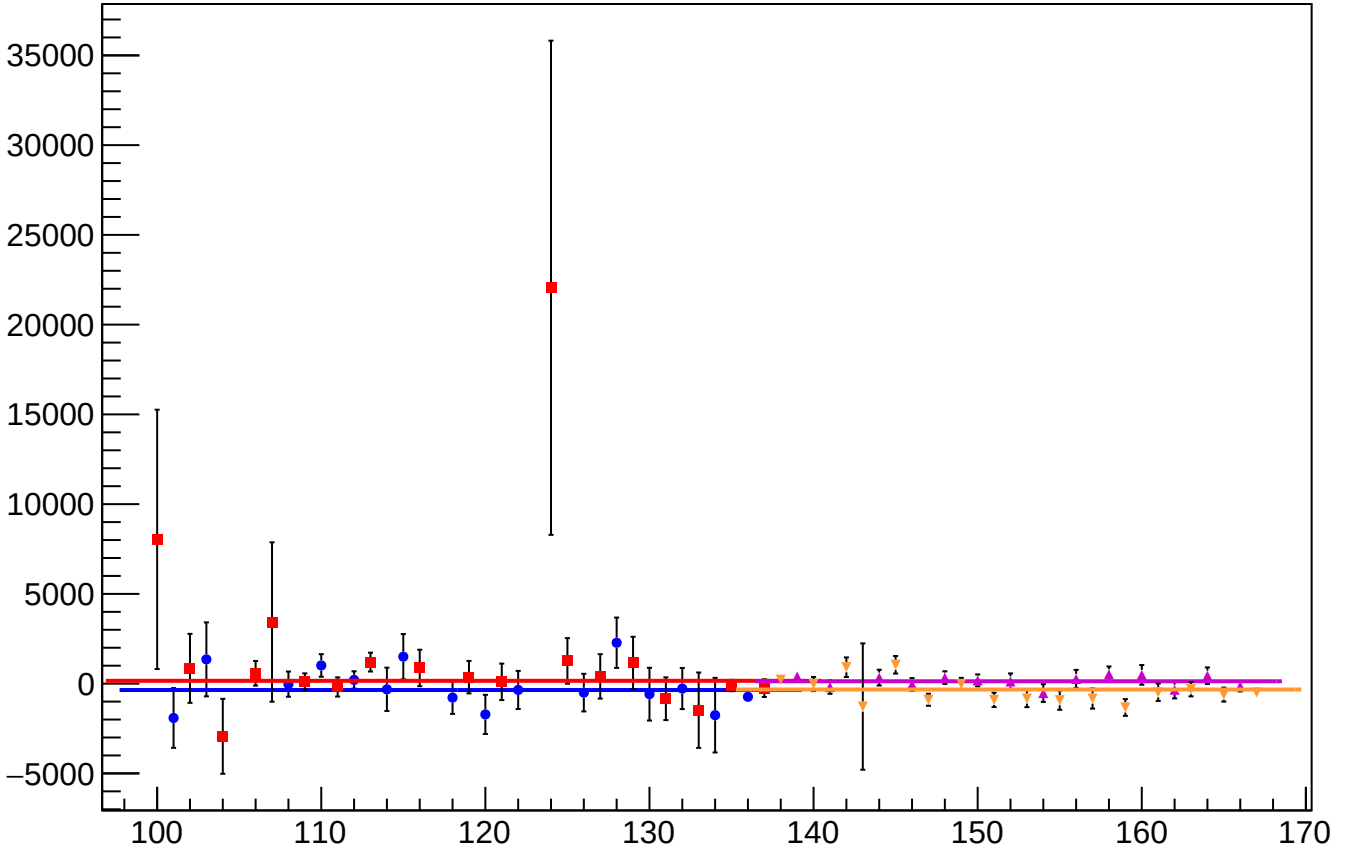
Out: 343.389+/-0.060 χ^2/NDF:7605335.8/34

All: 347.650+/-0.043 χ^2/NDF: 13235875.3/64


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -23.502+/-350.082 χ²/NDF:19.2/15
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -369.436+/-374.124 χ²/NDF:15.6/13
Left: -184.998+/-255.623 χ²/NDF: 35.2/29
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -517.657+/-297.270 χ²/NDF:29.6/29
Out: -122.761+/-283.384 χ²/NDF:37.3/34
All: -310.771+/-205.116 χ²/NDF: 67.9/64


eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1292.038+/-0.346 χ²/NDF: 509406.2/15
Left Out: 1241.561+/-0.248 χ²/NDF:122228.4/15
Right Out: 1287.988+/-0.341 χ²/NDF: 209209.1/18
Left In: 1270.900+/-0.265 χ²/NDF:15599.4/13
Left: 1255.257+/-0.181 χ²/NDF: 144385.3/29
Right: 1289.984+/-0.243 χ²/NDF: 718684.7/34
In: 1278.692+/-0.210 χ²/NDF:527359.3/29
Out: 1257.567+/-0.200 χ²/NDF:343564.1/34
All: 1267.625+/-0.145 χ²/NDF: 876215.1/64

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -327.835+/-98.935 χ^2/NDF:33.4/15

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 133.327+/-103.814 χ^2/NDF:7.8/13

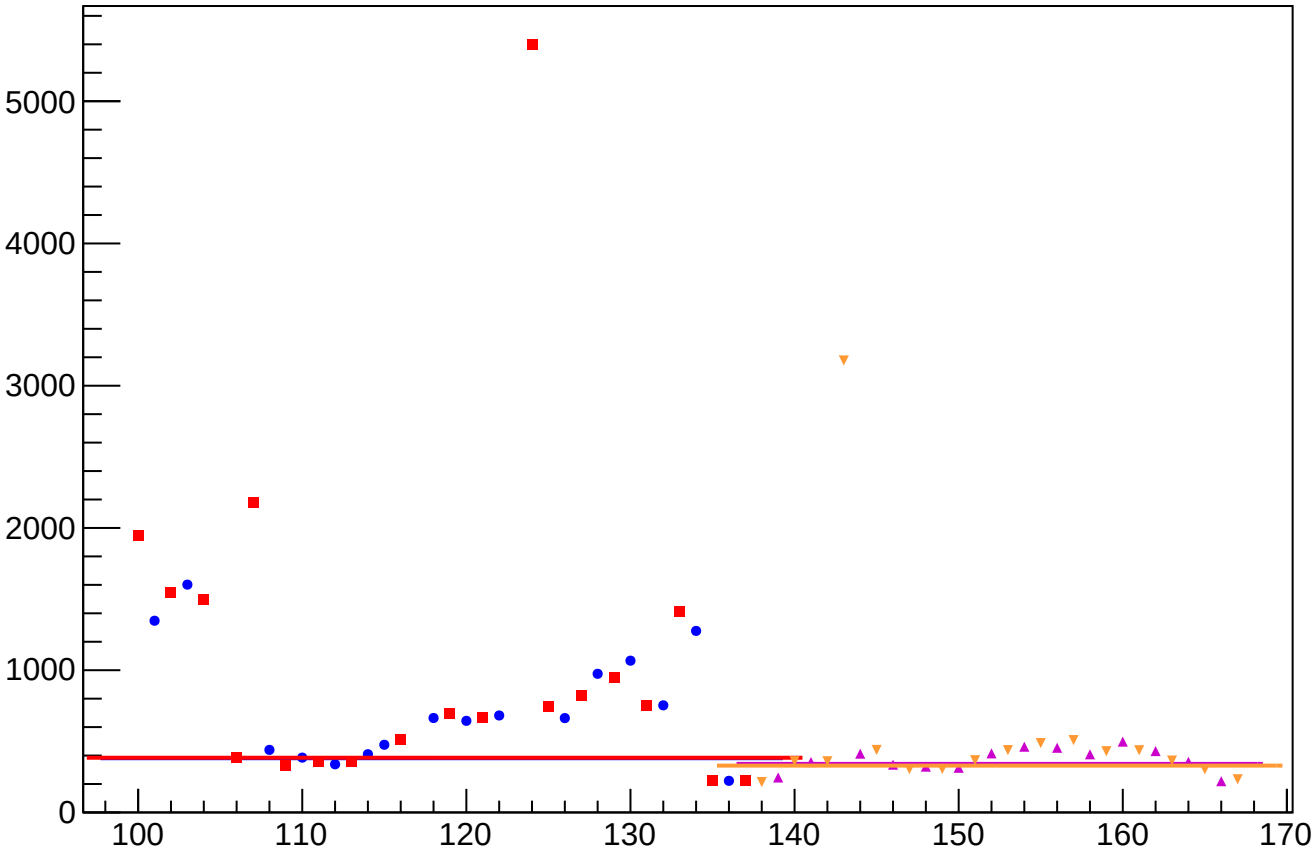
Left: -108.345+/-71.620 χ^2/NDF: 51.5/29

Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 0.594+/-88.596 χ^2/NDF:32.3/29

Out: -204.576+/-85.466 χ^2/NDF:55.3/34

All: -105.679+/-61.510 χ^2/NDF: 90.4/64



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 329.363+/-0.070 χ^2/NDF:2886488.8/15

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 341.368+/-0.073 χ^2/NDF:1221623.5/13

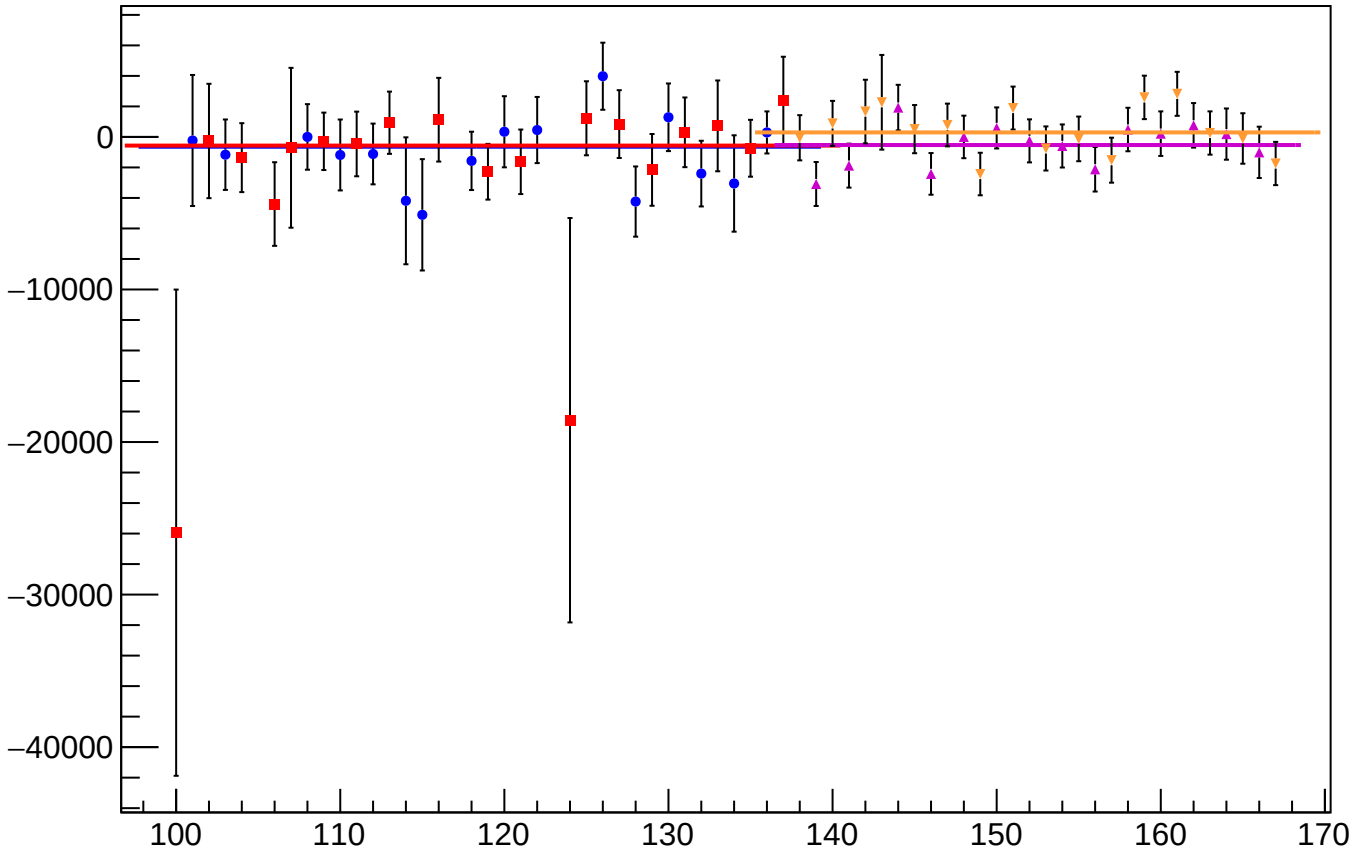
Left: 335.077+/-0.051 χ^2/NDF: 4122127.9/29

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 352.233+/-0.063 χ^2/NDF:5619992.9/29

Out: 343.394+/-0.060 χ^2/NDF:7605082.4/34

All: 347.655+/-0.043 χ^2/NDF: 13235387.1/64



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 295.725+/-380.267 χ^2/NDF:16.2/15

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -530.752+/-388.427 χ^2/NDF:12.5/13

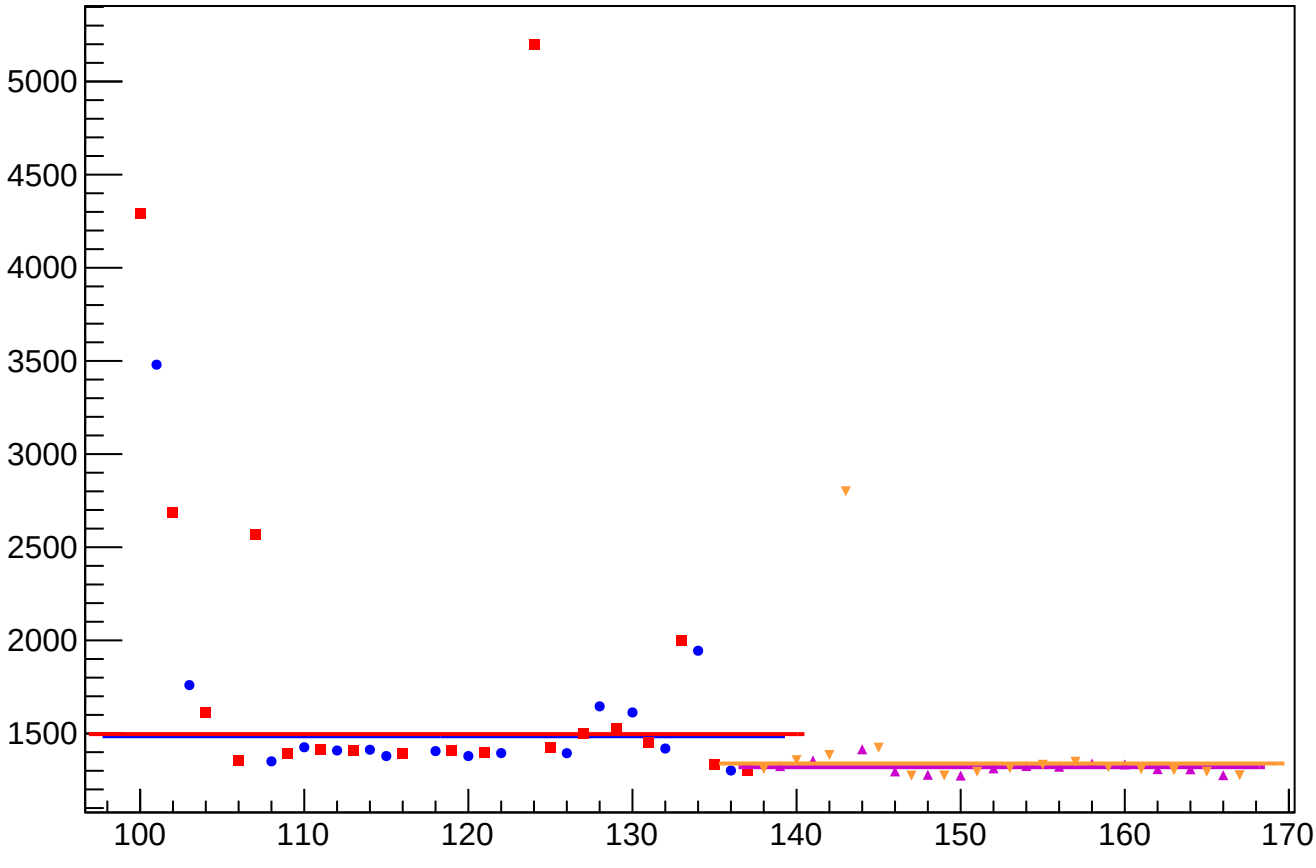
Left: -108.741+/-271.728 χ^2/NDF: 31.1/29

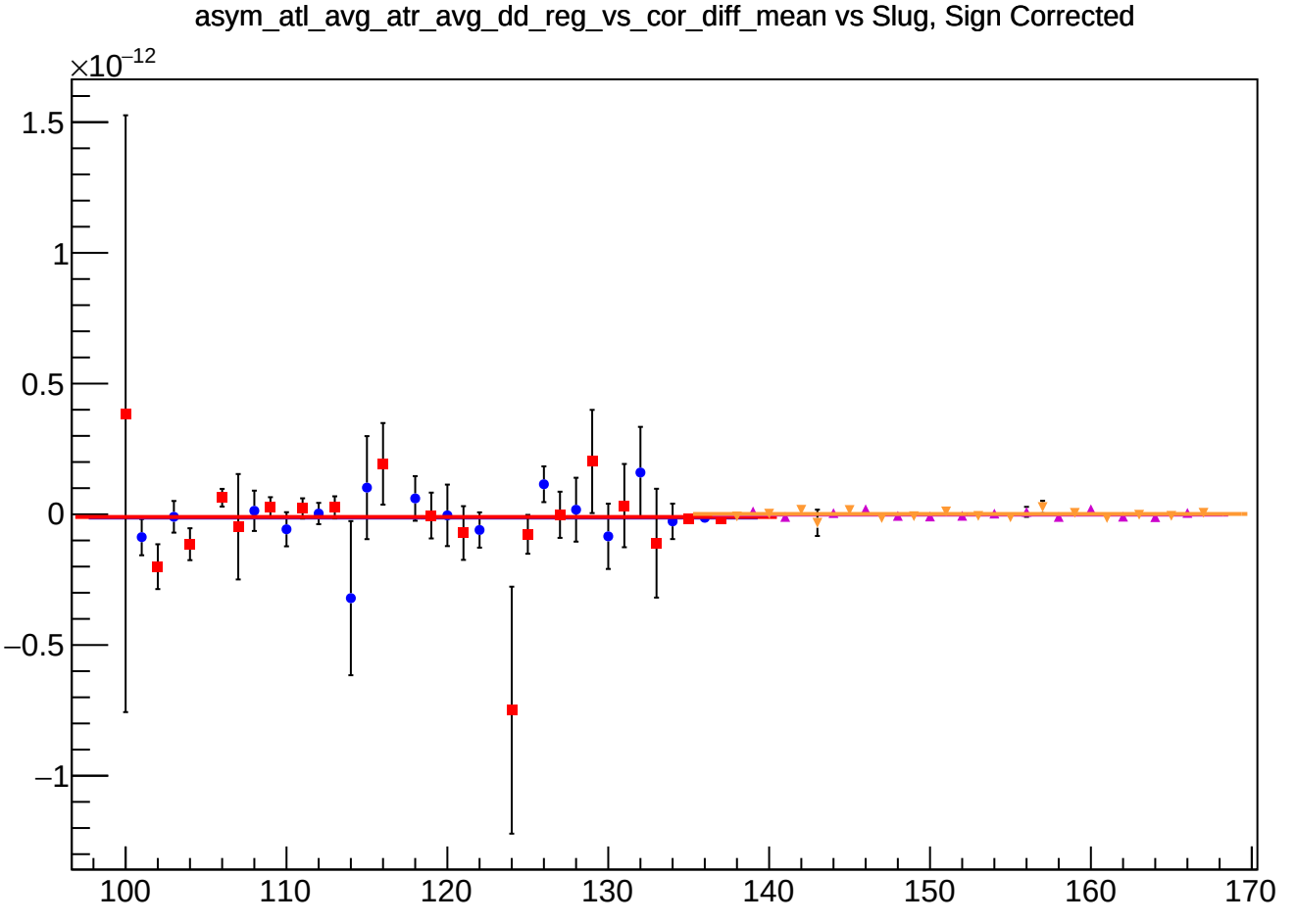
Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -566.132+/-319.967 χ^2/NDF:25.0/29

Out: 27.843+/-315.778 χ^2/NDF:29.2/34

All: -265.231+/-224.755 χ^2/NDF: 55.9/64


asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
Right In: 1485.370+/-0.399 χ²/NDF: 584470.1/15
Left Out: 1339.155+/-0.269 χ²/NDF:470405.8/15
Right Out: 1496.865+/-0.401 χ²/NDF: 623292.7/18
Left In: 1319.430+/-0.275 χ²/NDF:16212.5/13
Left: 1329.502+/-0.192 χ²/NDF: 489251.8/29
Right: 1491.093+/-0.283 χ²/NDF: 1208175.9/34
In: 1372.769+/-0.226 χ²/NDF:718011.2/29
Out: 1388.111+/-0.223 χ²/NDF:1200485.6/34
All: 1380.541+/-0.159 χ²/NDF: 1920826.2/64



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/13

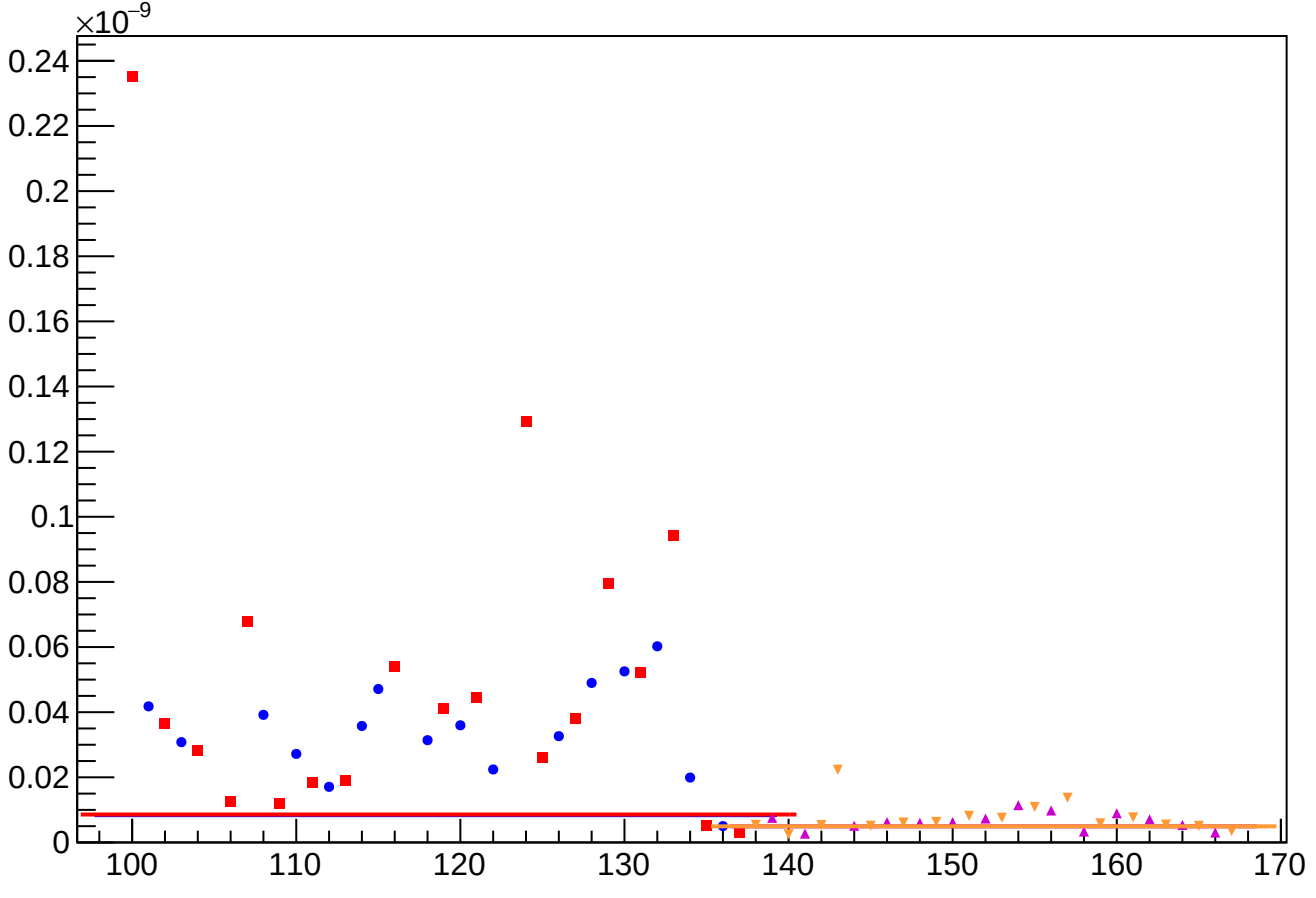
Left: 0.000+/-0.000 χ^2/NDF: 30.1/29

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:26.2/29

Out: 0.000+/-0.000 χ^2/NDF:39.0/34

All: -0.000+/-0.000 χ^2/NDF: 65.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1759200.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1441224.5/13

Left: 0.000+/-0.000 χ^2/NDF: 3200425.6/29

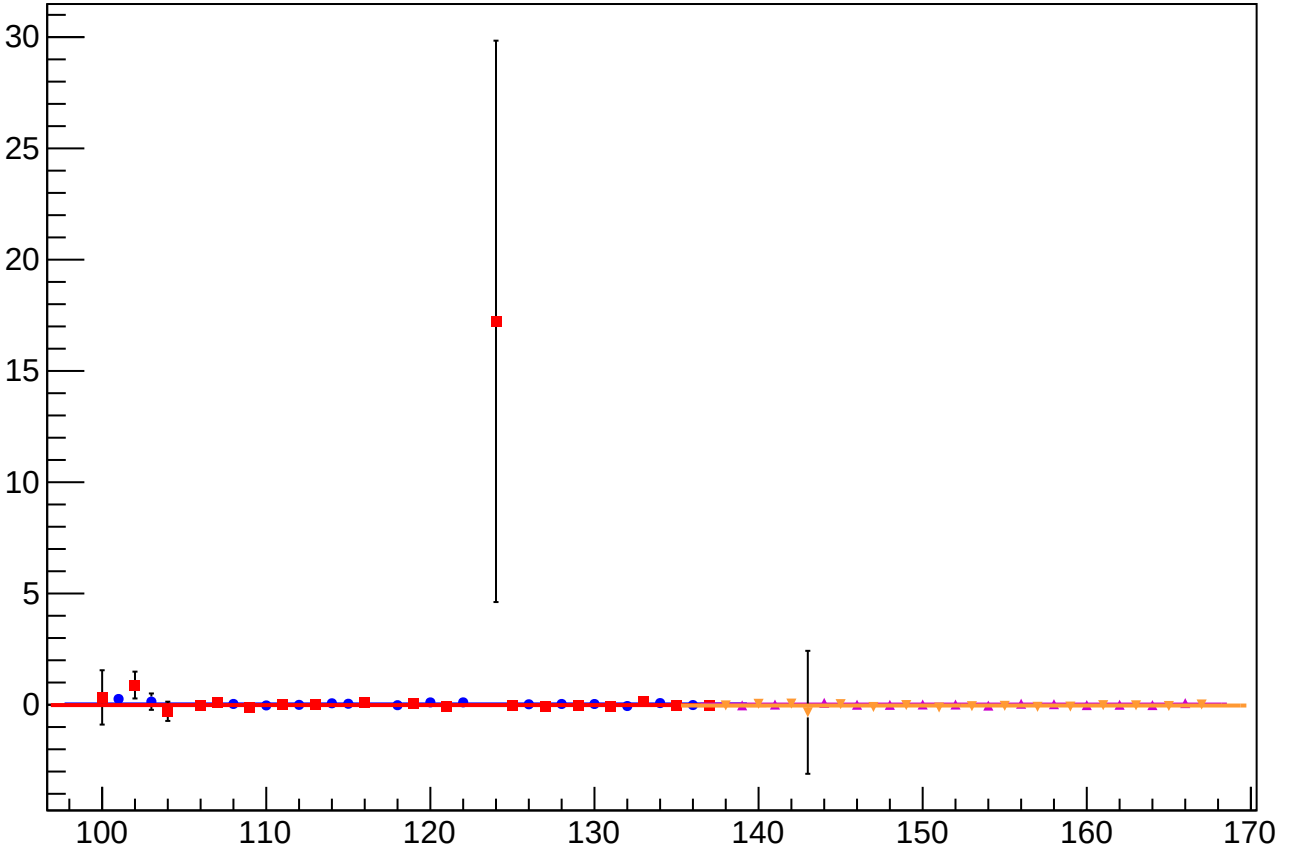
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4882482.0/29

Out: 0.000+/-0.000 χ^2/NDF:5483617.6/34

All: 0.000+/-0.000 χ^2/NDF: 10366750.0/64

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.013+/-0.008 χ^2/NDF: 37.6/29

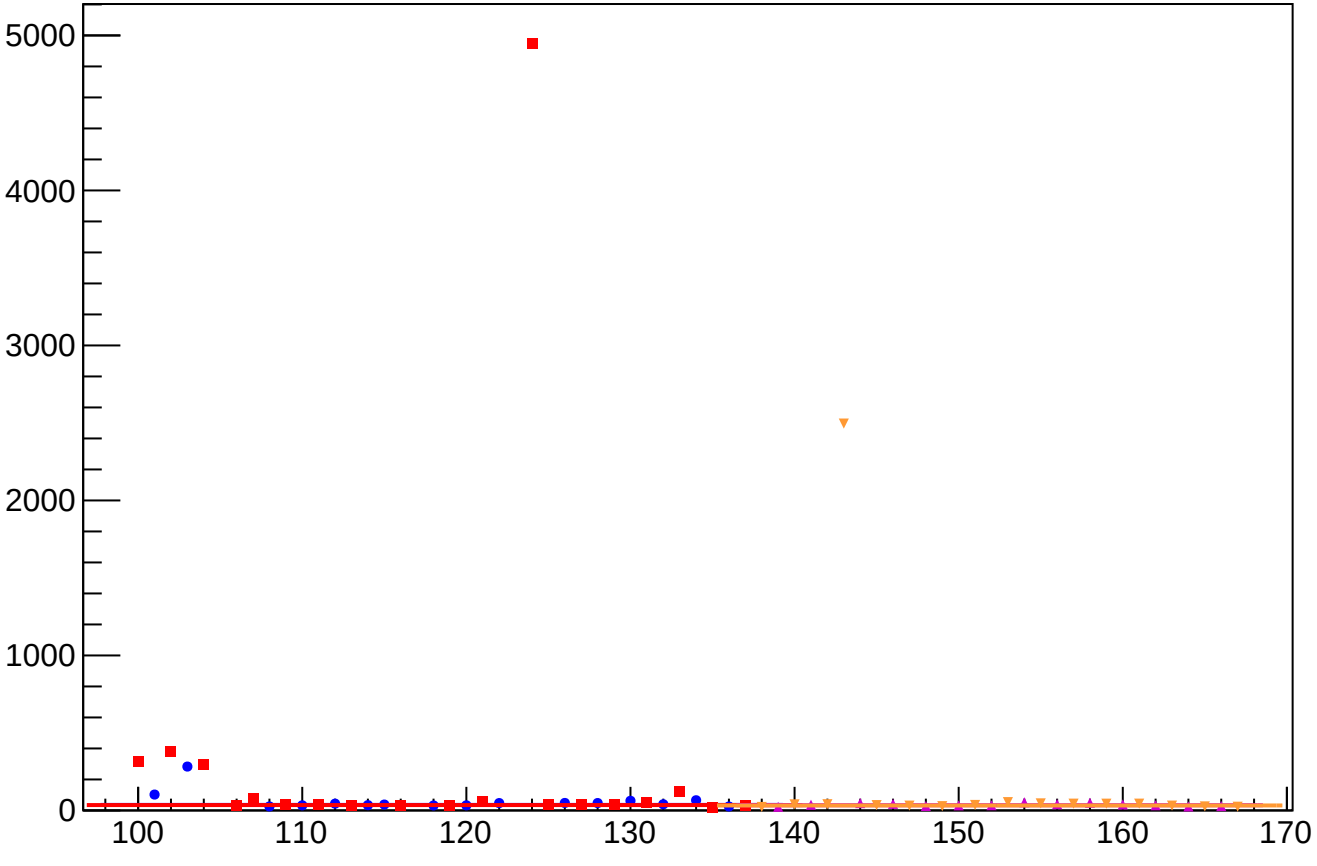
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.1/29

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.2/64

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891530.3/15

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.902+/-0.008 χ^2/NDF:1089706.9/13

Left: 33.020+/-0.005 χ^2/NDF: 4005616.6/29

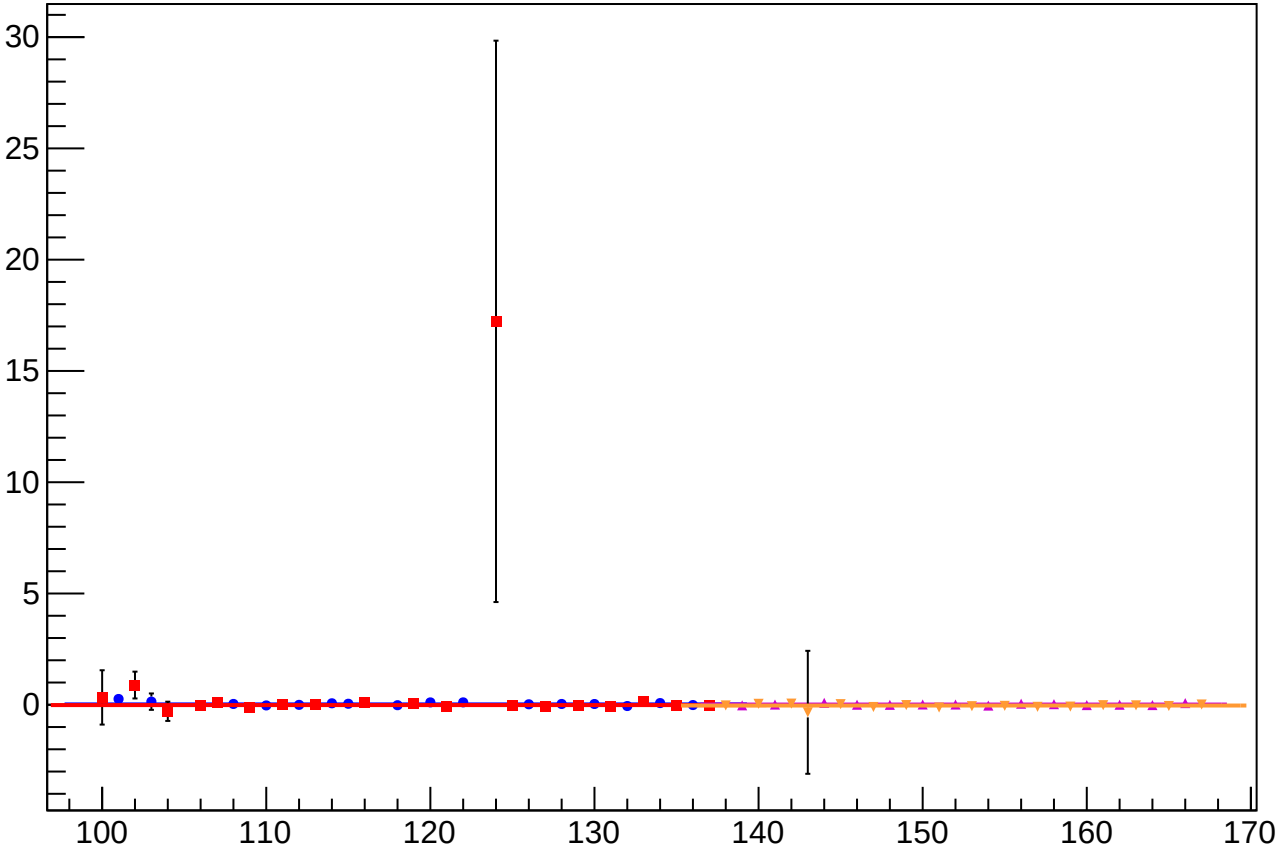
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.518+/-0.006 χ^2/NDF:3373376.7/29

Out: 33.016+/-0.006 χ^2/NDF:5842980.7/34

All: 33.738+/-0.004 χ^2/NDF: 9245675.8/64

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.013+/-0.008 χ^2/NDF: 37.6/29

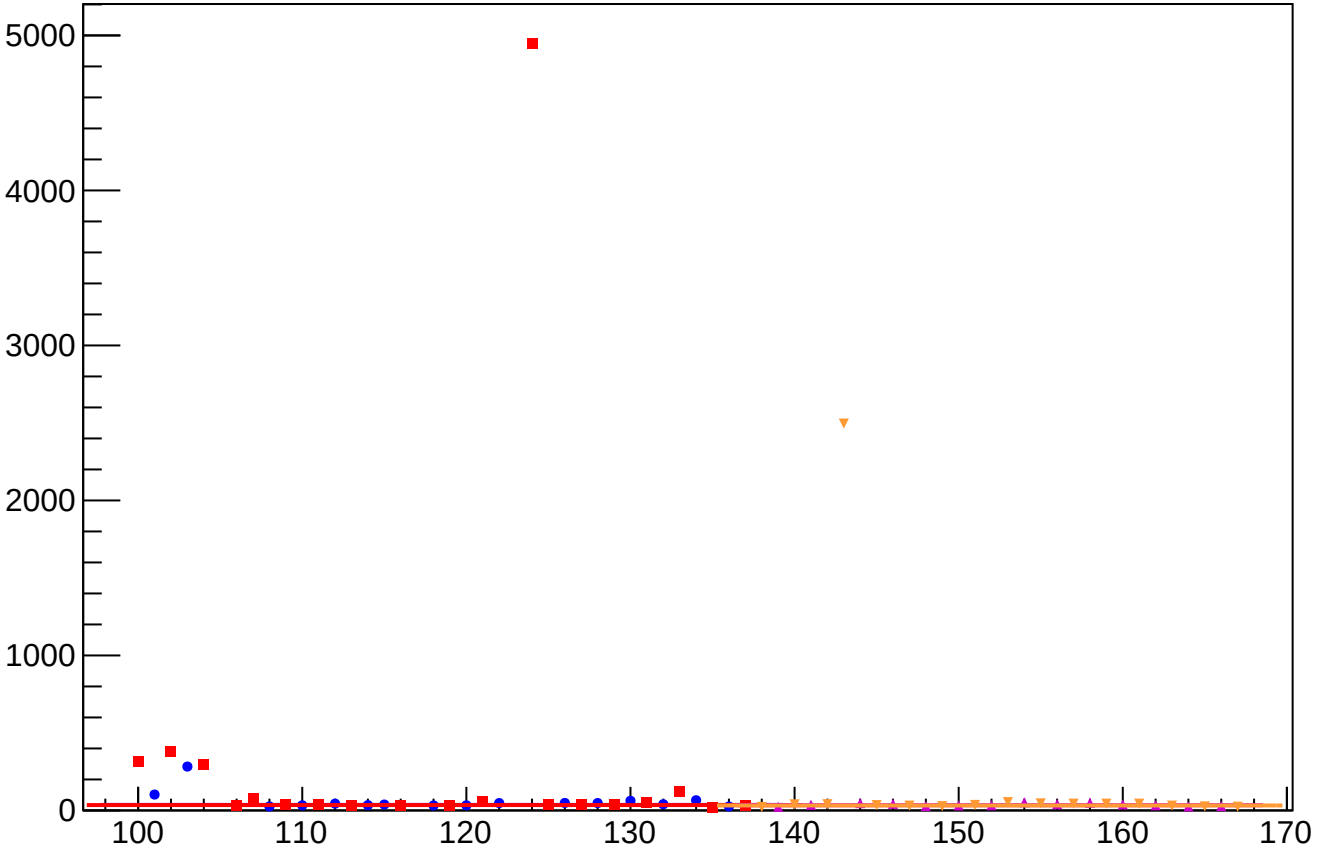
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.1/29

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.2/64

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891530.3/15

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.902+/-0.008 χ^2/NDF:1089706.9/13

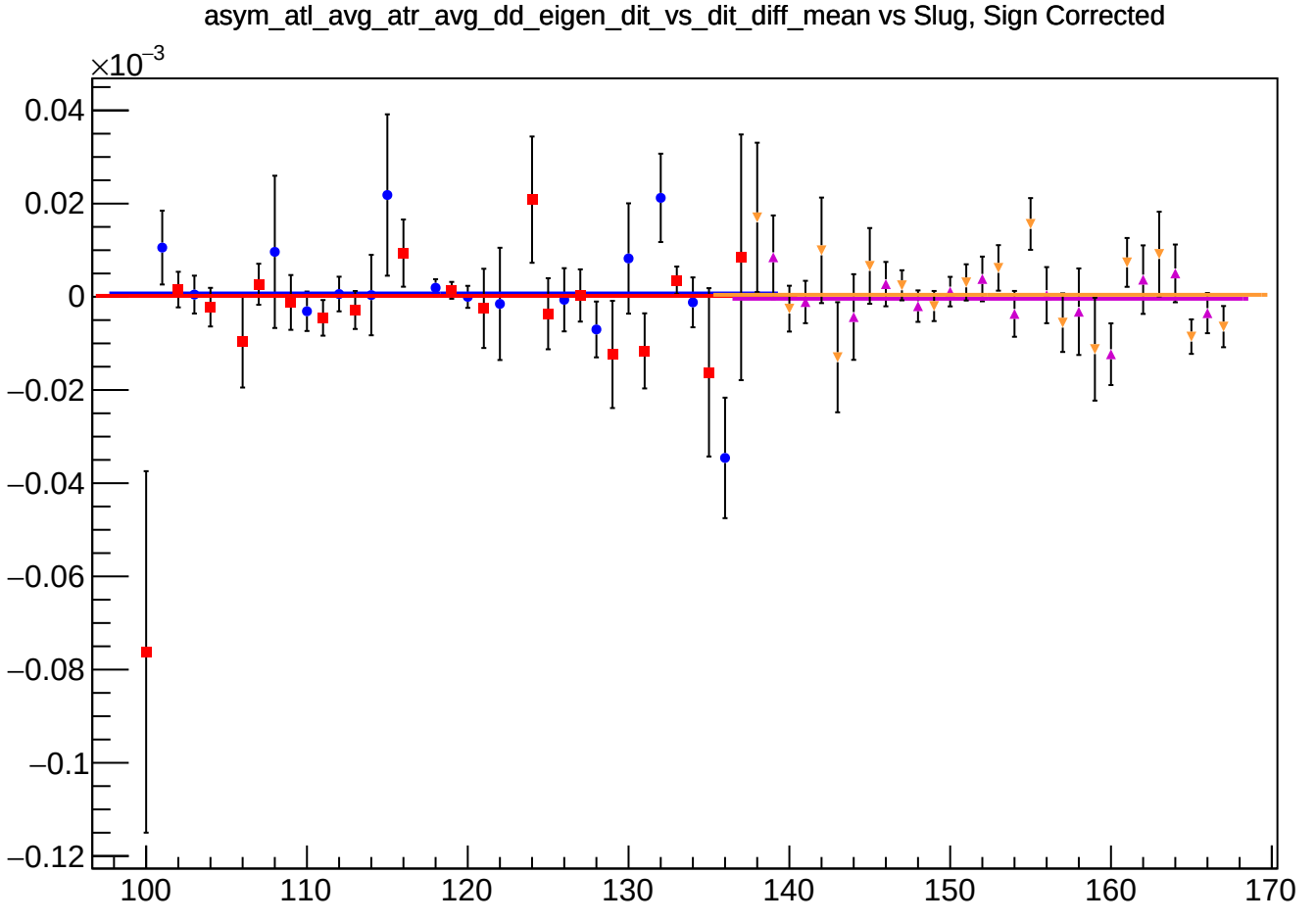
Left: 33.020+/-0.005 χ^2/NDF: 4005616.6/29

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.518+/-0.006 χ^2/NDF:3373376.7/29

Out: 33.016+/-0.006 χ^2/NDF:5842980.7/34

All: 33.738+/-0.004 χ^2/NDF: 9245675.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/13

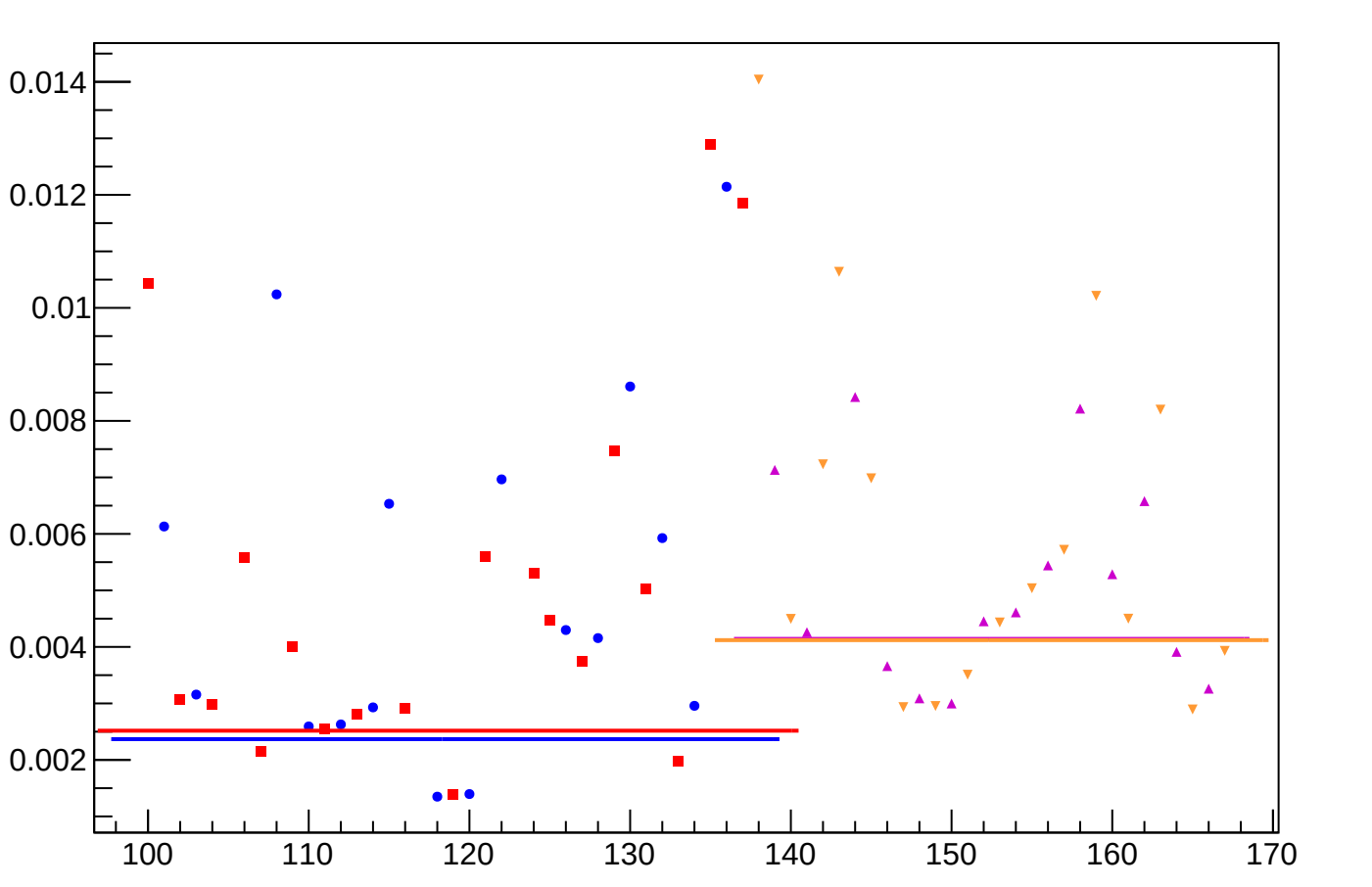
Left: 0.000+/-0.000 χ^2/NDF: 35.8/29

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:27.7/29

Out: 0.000+/-0.000 χ^2/NDF:45.4/34

All: 0.000+/-0.000 χ^2/NDF: 73.2/64



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3804204.0/15

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2003969.6/13

Left: 0.004+/-0.000 χ^2/NDF: 5808456.9/29

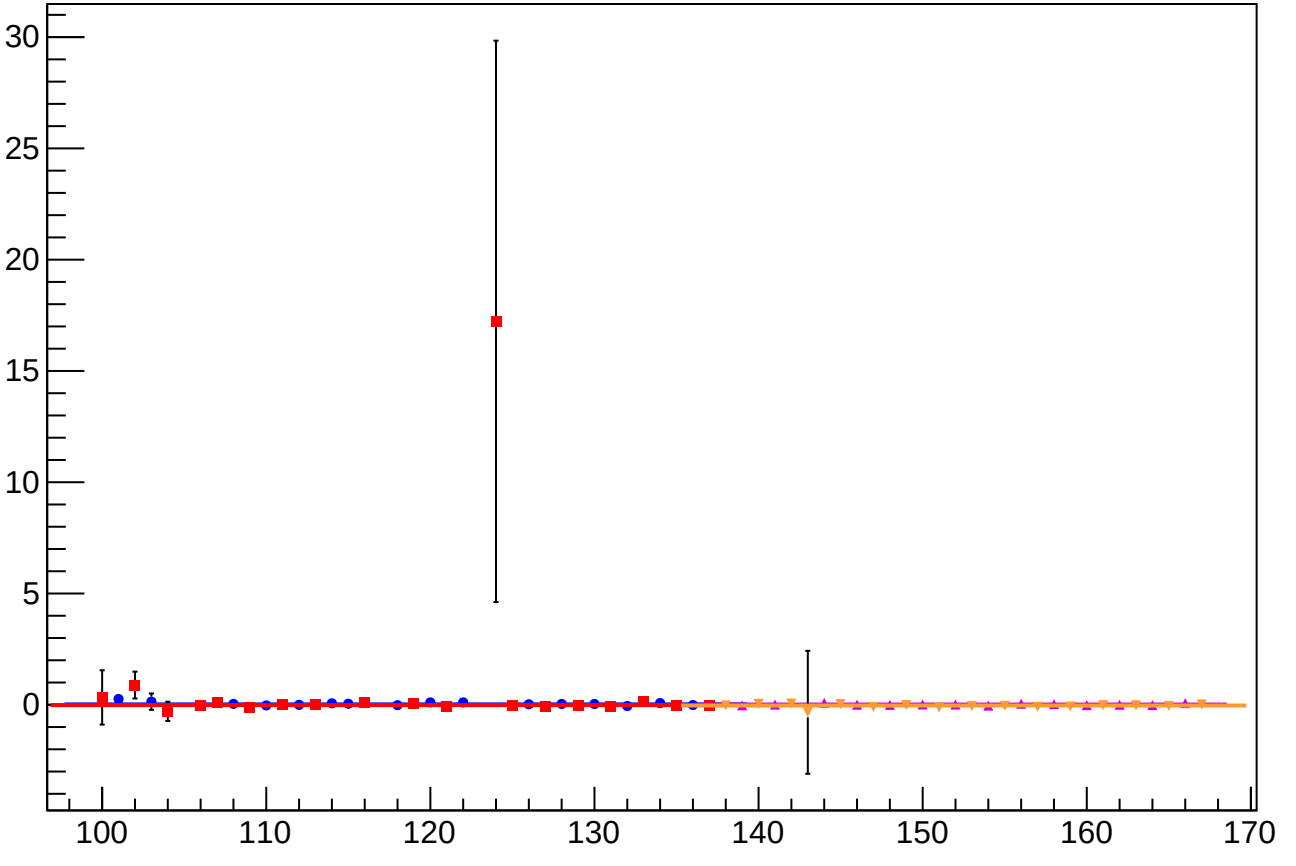
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8793246.8/29

Out: 0.003+/-0.000 χ^2/NDF:9062057.4/34

All: 0.003+/-0.000 χ^2/NDF: 17867717.8/64

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.013+/-0.008 χ^2/NDF: 37.6/29

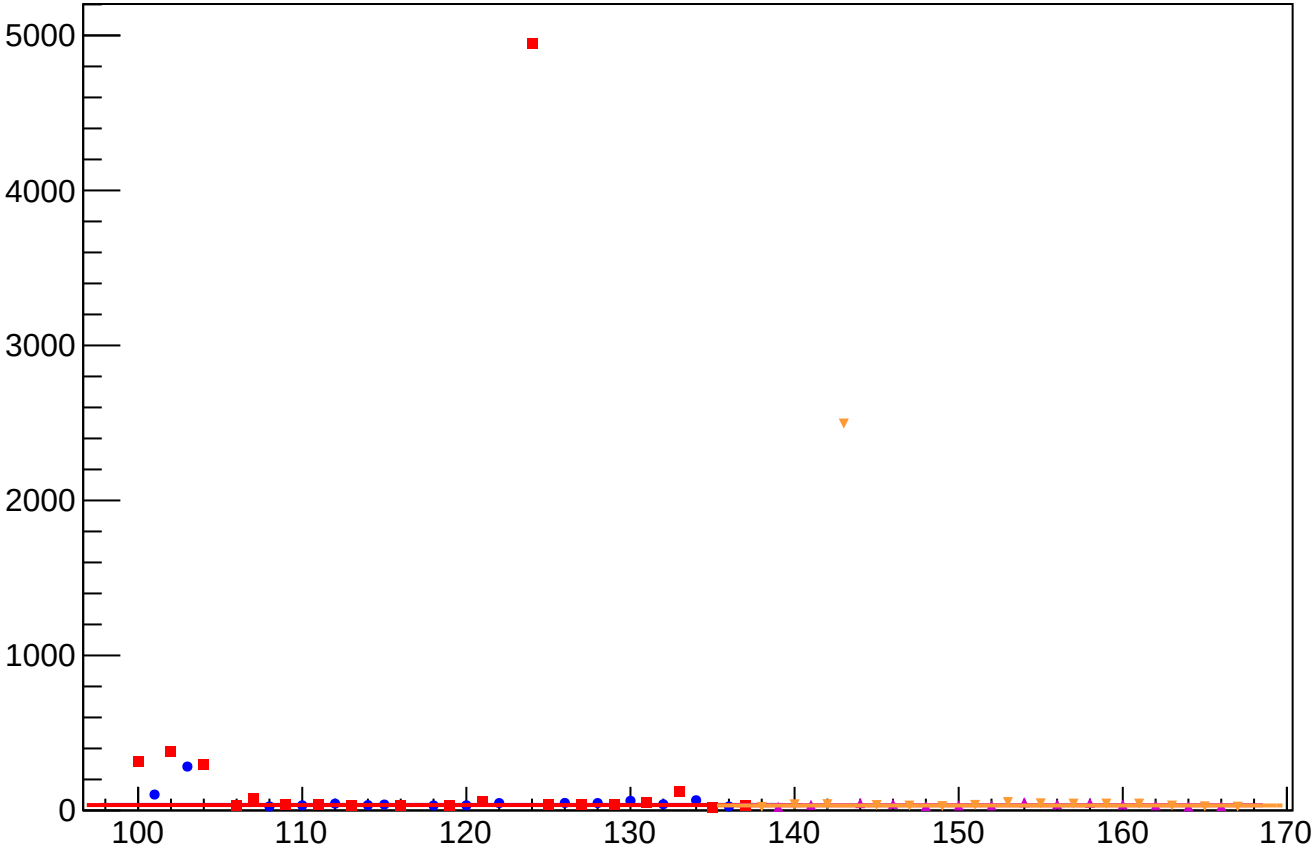
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.2/29

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.2/64

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.900+/-0.008 χ^2/NDF:1090343.4/13

Left: 33.019+/-0.005 χ^2/NDF: 4006347.6/29

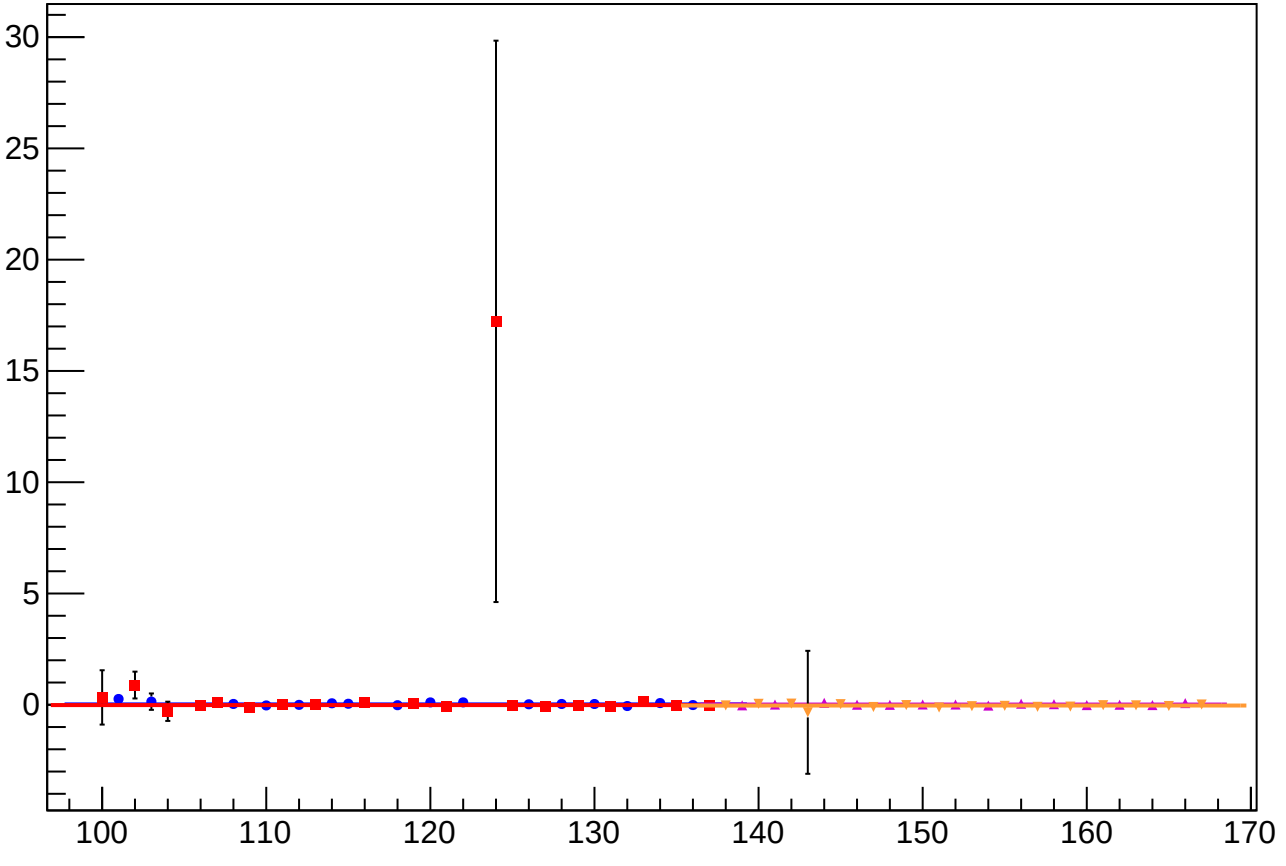
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.517+/-0.006 χ^2/NDF:3373800.1/29

Out: 33.016+/-0.006 χ^2/NDF:5842973.3/34

All: 33.738+/-0.004 χ^2/NDF: 9246054.0/64

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.013+/-0.008 χ^2/NDF: 37.6/29

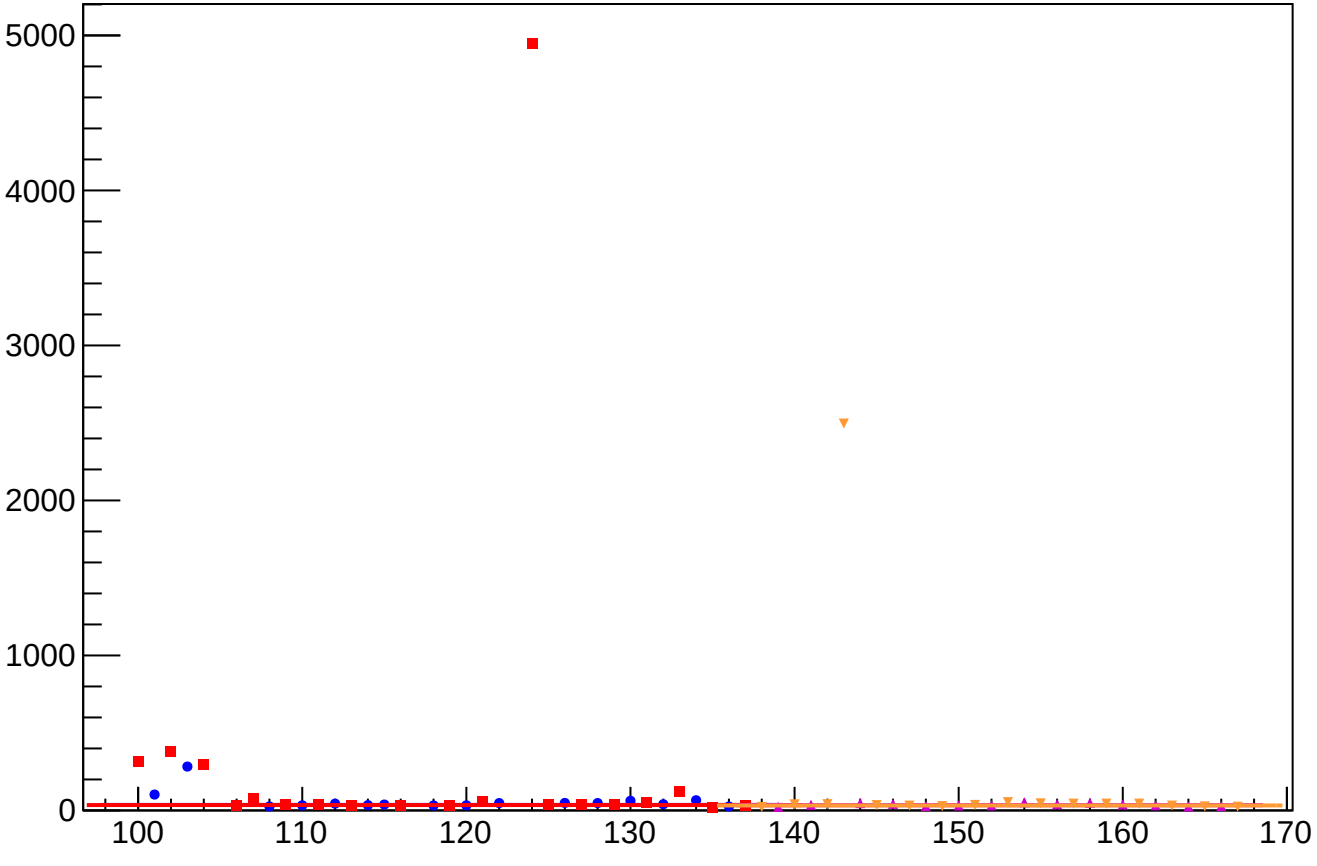
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.2/29

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.2/64

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.900+/-0.008 χ^2/NDF:1090343.4/13

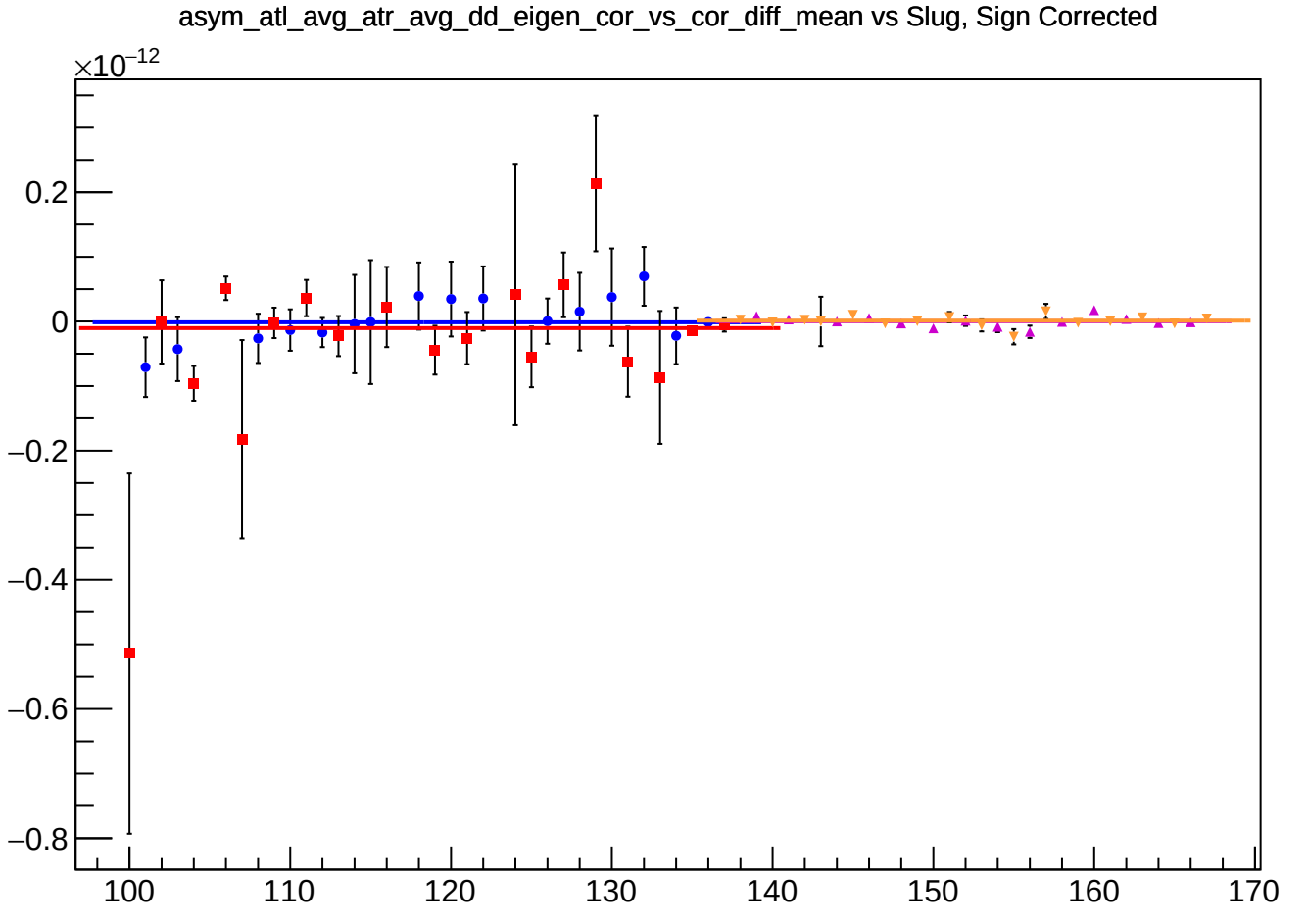
Left: 33.019+/-0.005 χ^2/NDF: 4006347.6/29

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.517+/-0.006 χ^2/NDF:3373800.1/29

Out: 33.016+/-0.006 χ^2/NDF:5842973.3/34

All: 33.738+/-0.004 χ^2/NDF: 9246054.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/13

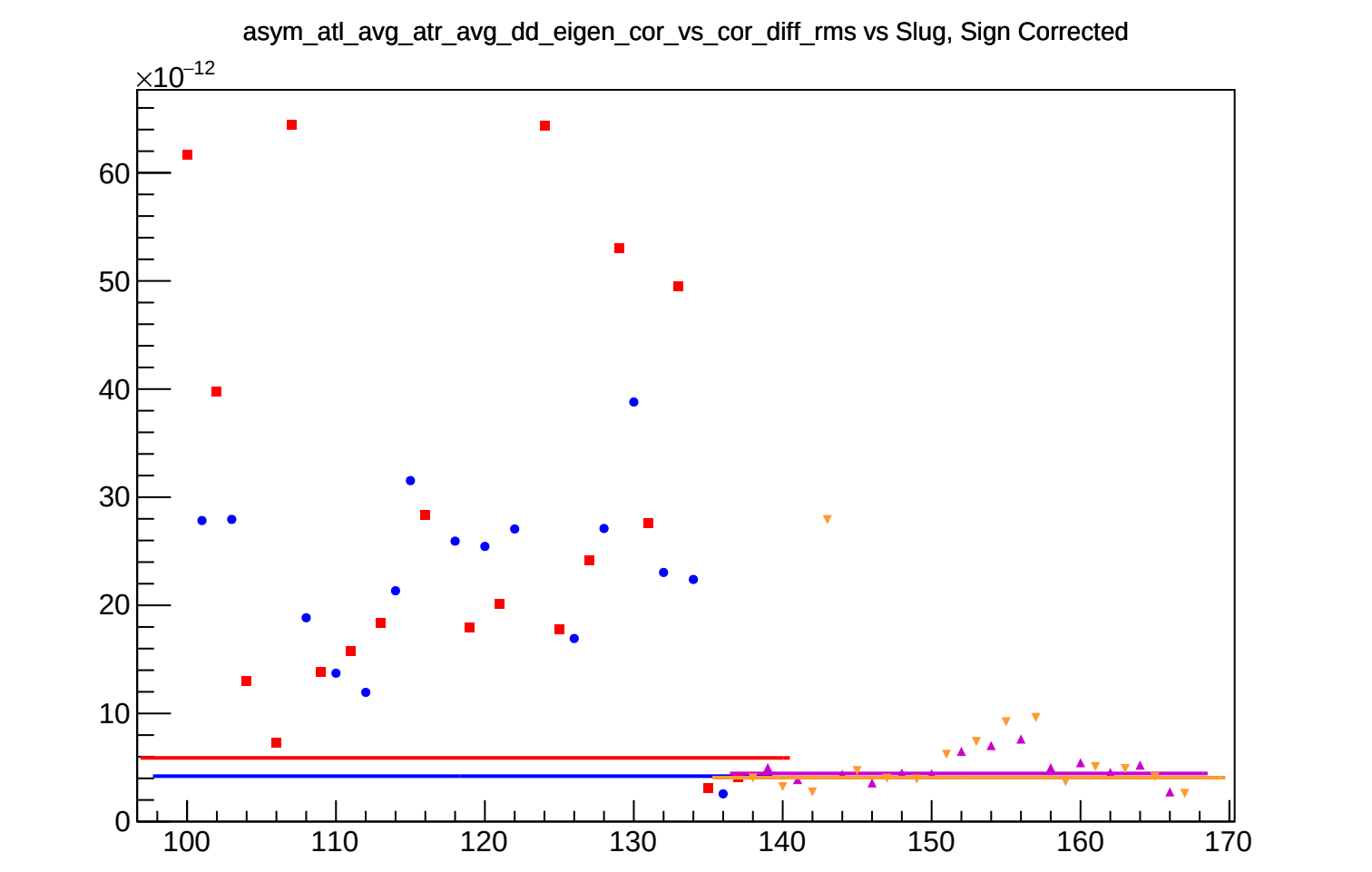
Left: 0.000+/-0.000 χ^2/NDF: 30.3/29

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:26.3/29

Out: -0.000+/-0.000 χ^2/NDF:59.3/34

All: -0.000+/-0.000 χ^2/NDF: 85.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2657632.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1057529.7/13

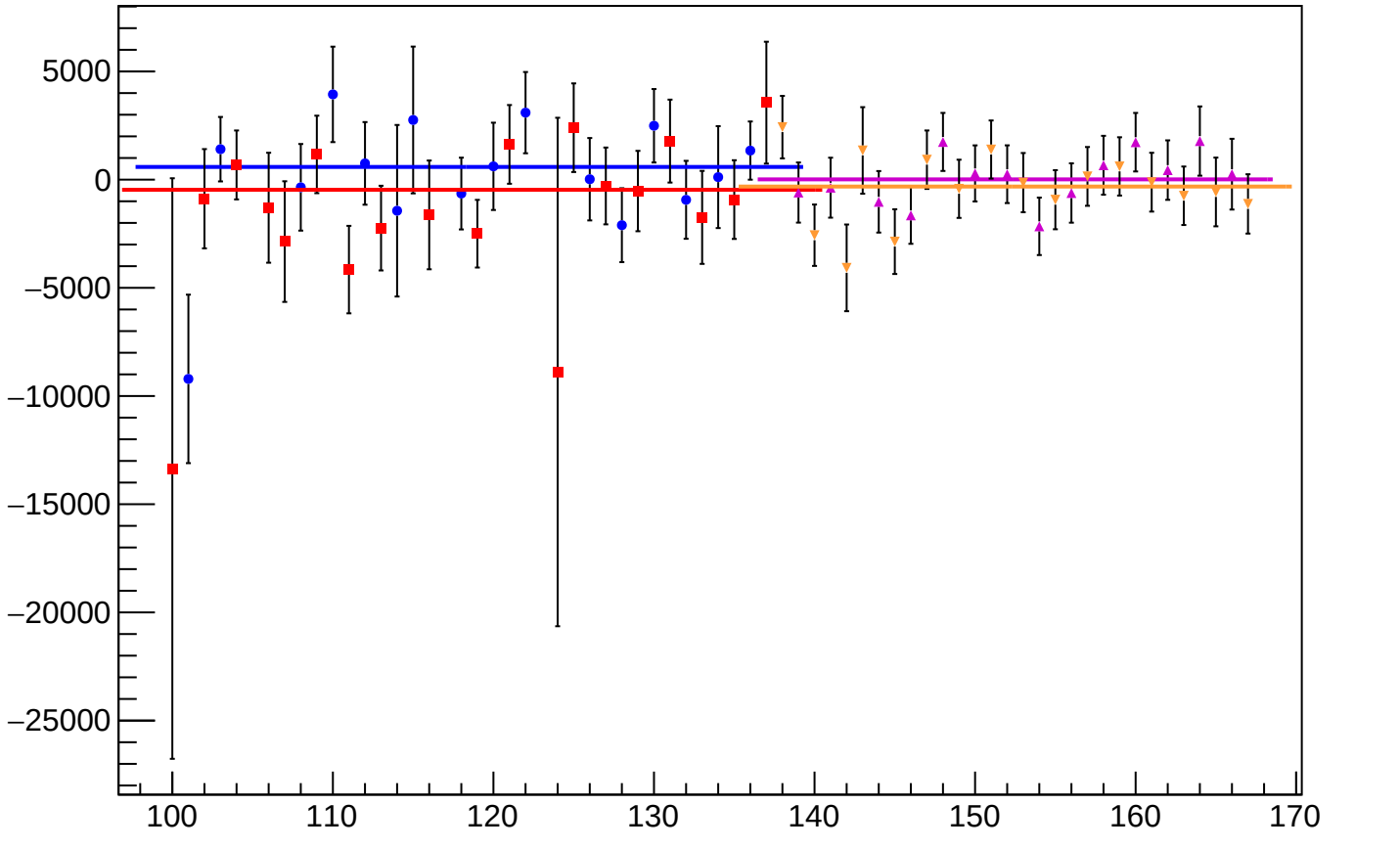
Left: 0.000+/-0.000 χ^2/NDF: 3778833.2/29

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6146532.0/29

Out: 0.000+/-0.000 χ^2/NDF:7857324.6/34

All: 0.000+/-0.000 χ^2/NDF: 14013525.5/64



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.454+/-358.993 χ^2/NDF:17.0/15

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: 12.554+/-369.955 χ^2/NDF:10.2/13

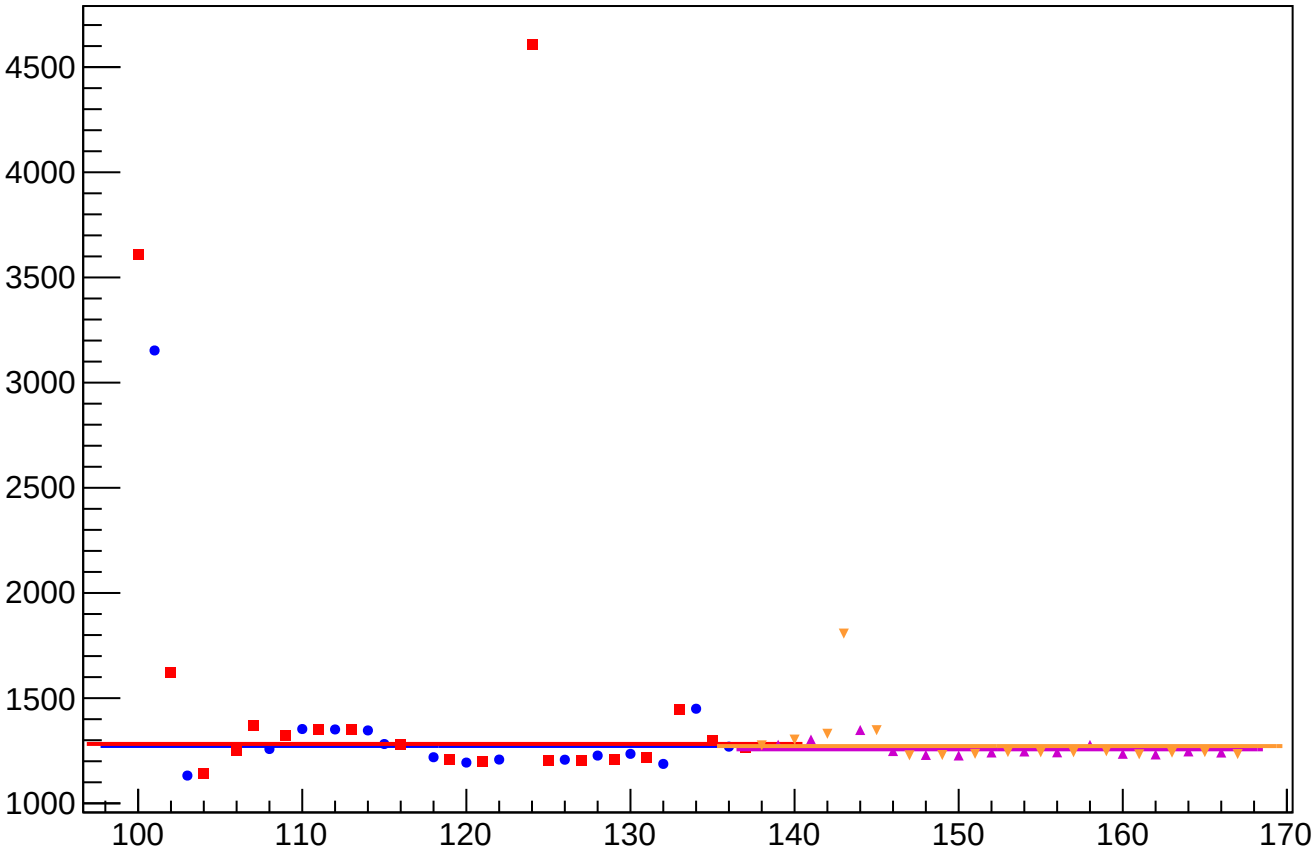
Left: -158.442+/-257.635 χ^2/NDF: 27.6/29

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 225.248+/-293.572 χ^2/NDF:28.2/29

Out: -373.028+/-287.594 χ^2/NDF:33.9/34

All: -80.044+/-205.441 χ^2/NDF: 64.2/64



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

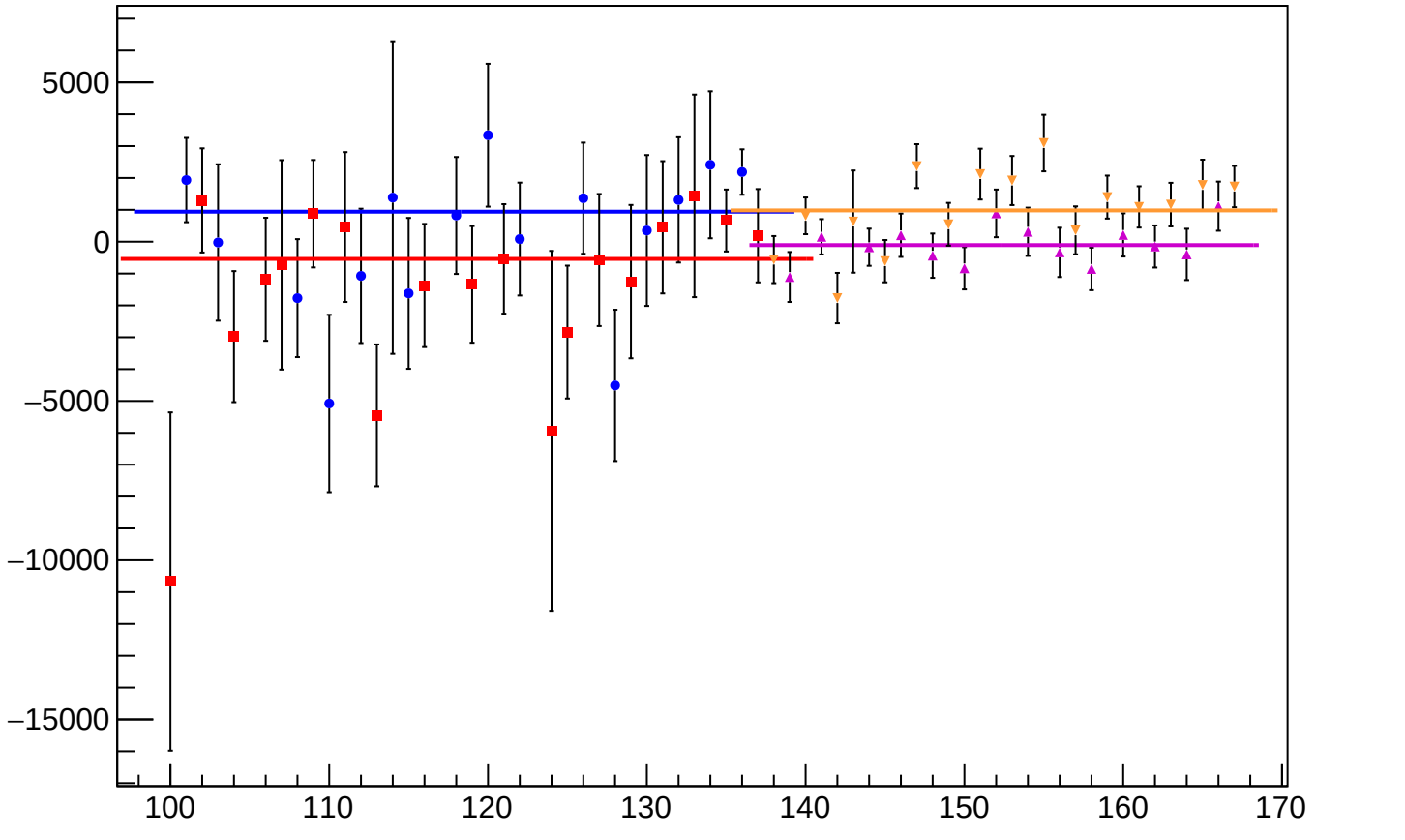
Left: 1264.671+/-0.182 χ^2/NDF: 181852.8/29

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1262.704+/-0.208 χ^2/NDF:536085.9/29

Out: 1275.787+/-0.203 χ^2/NDF:487346.5/34

All: 1269.380+/-0.145 χ^2/NDF: 1025459.1/64



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 981.981+/-181.441 χ^2/NDF:39.5/15

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -107.621+/-184.273 χ^2/NDF:9.8/13

Left: 445.616+/-129.288 χ^2/NDF: 67.1/29

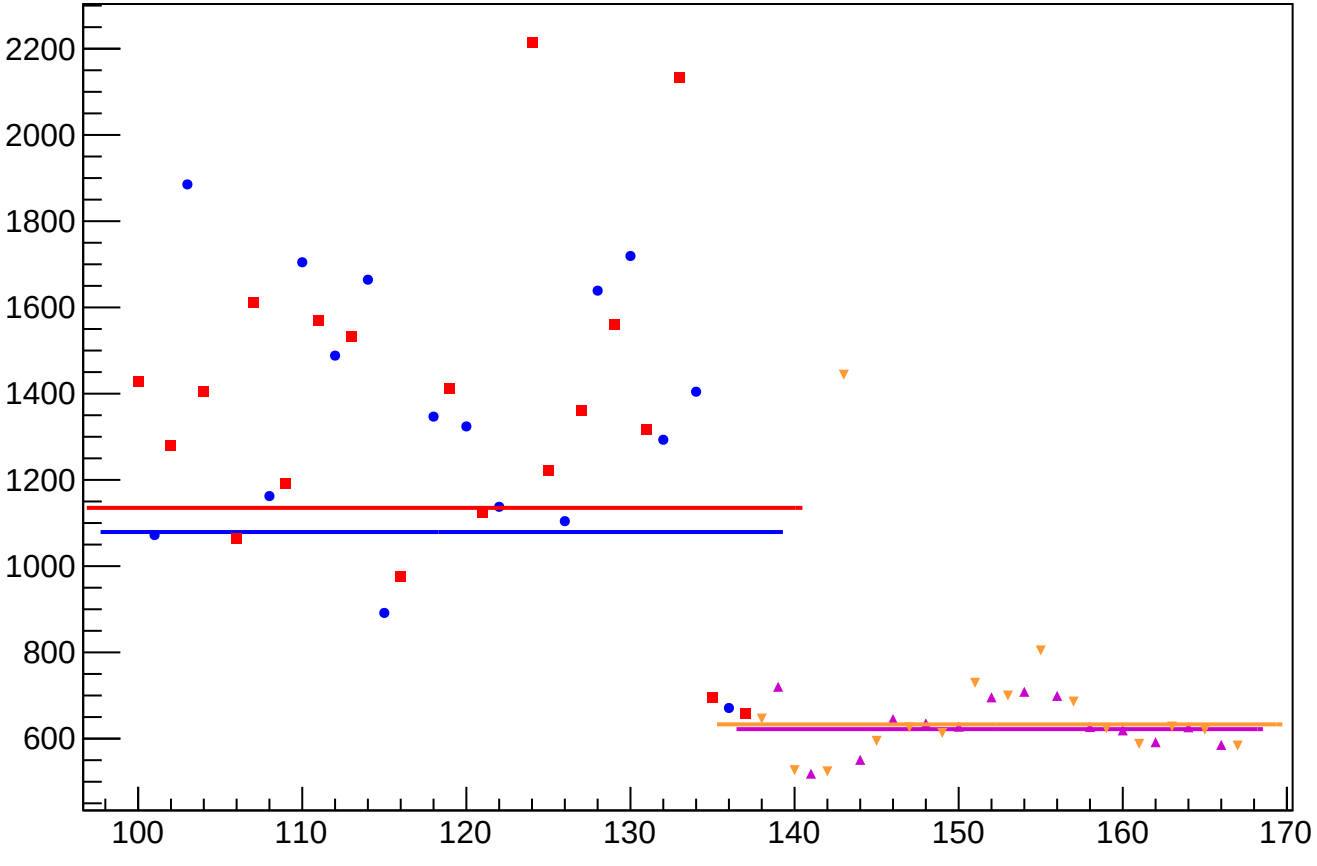
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 57.889+/-169.118 χ^2/NDF:34.8/29

Out: 760.615+/-167.734 χ^2/NDF:66.9/34

All: 412.139+/-119.092 χ^2/NDF: 110.5/64

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 633.035+/-0.128 χ^2/NDF:777339.8/15

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 621.985+/-0.130 χ^2/NDF:208305.0/13

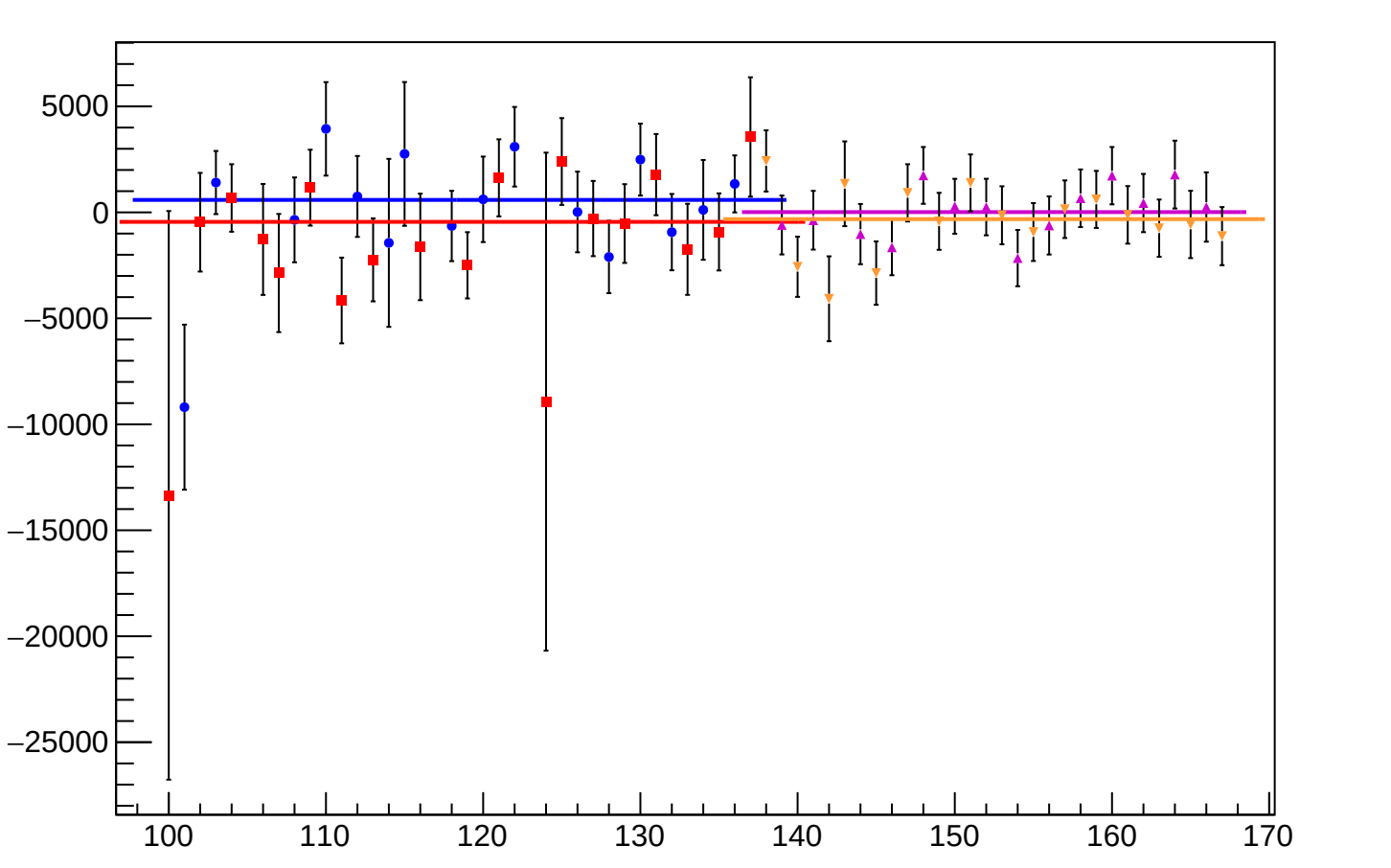
Left: 627.596+/-0.091 χ^2/NDF: 989295.8/29

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 694.085+/-0.120 χ^2/NDF:3631810.3/29

Out: 706.037+/-0.119 χ^2/NDF:4297359.8/34

All: 700.110+/-0.084 χ^2/NDF: 7934205.2/64



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.546+/-358.993 χ^2/NDF:17.0/15

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 12.535+/-369.955 χ^2/NDF:10.2/13

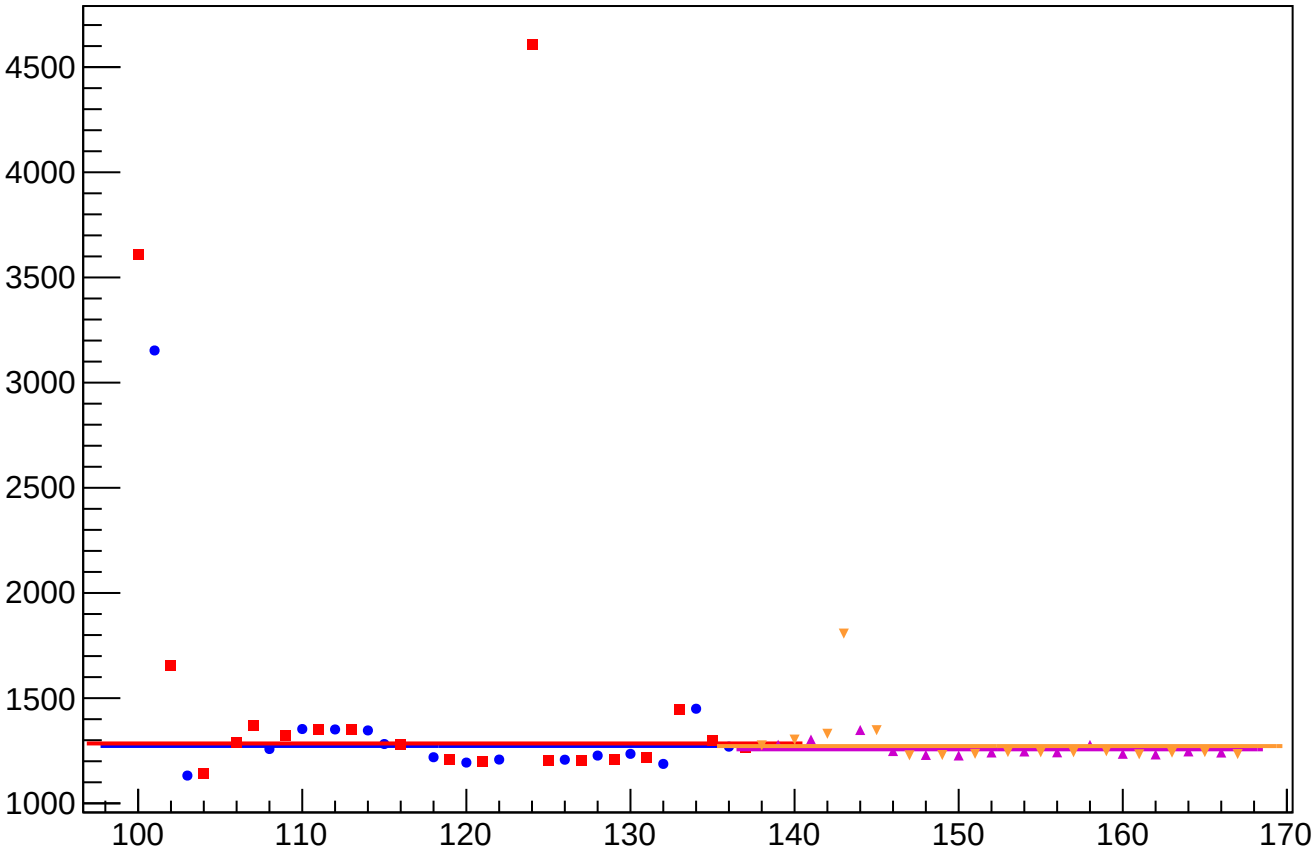
Left: -158.498+/-257.635 χ^2/NDF: 27.6/29

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 225.354+/-293.572 χ^2/NDF:28.2/29

Out: -365.607+/-287.769 χ^2/NDF:33.9/34

All: -76.025+/-205.505 χ^2/NDF: 64.1/64



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

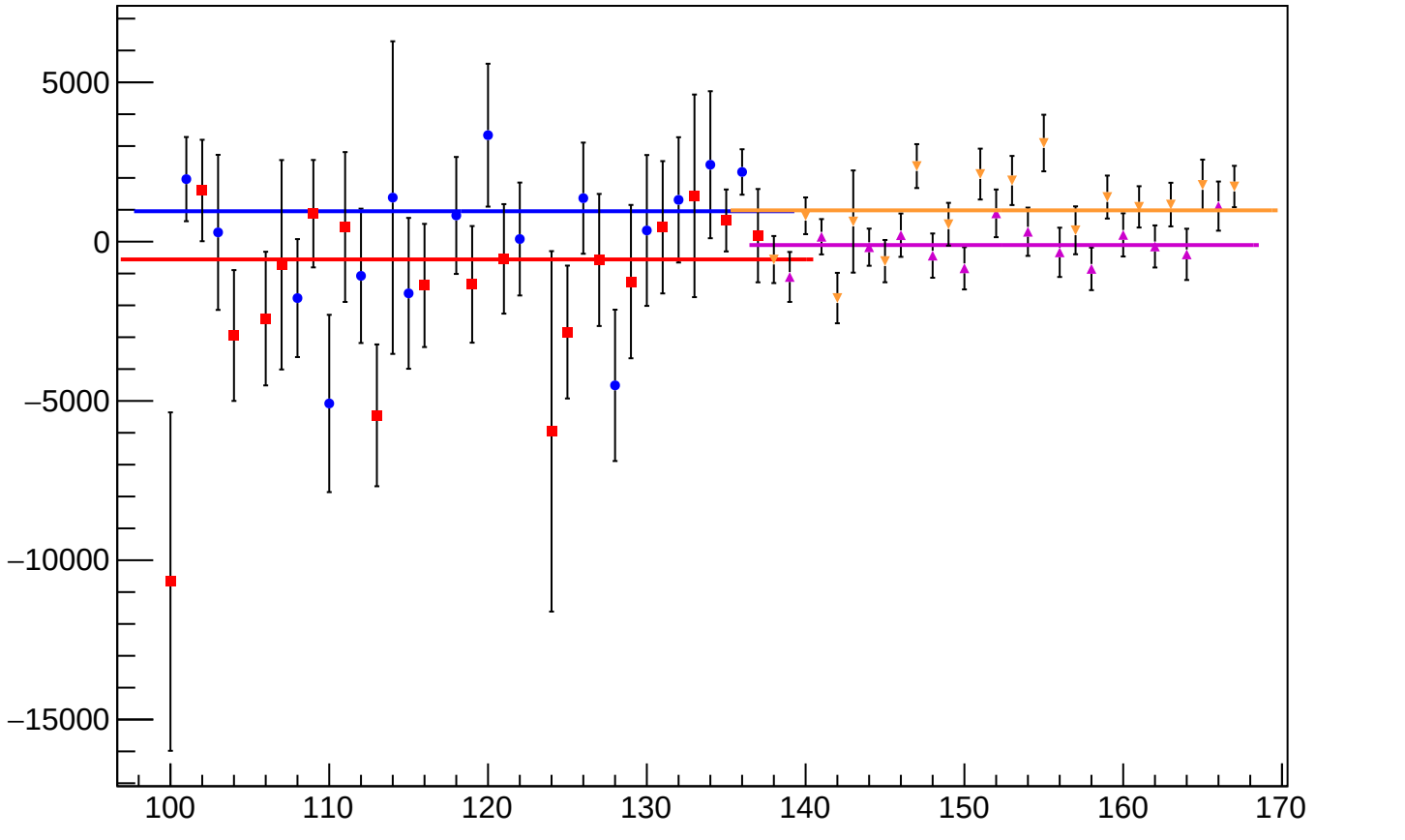
Left: 1264.671+/-0.182 χ^2/NDF: 181852.8/29

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1262.704+/-0.208 χ^2/NDF:536087.2/29

Out: 1276.597+/-0.203 χ^2/NDF:494290.9/34

All: 1269.789+/-0.145 χ^2/NDF: 1032662.4/64



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 981.974+/-181.442 χ^2/NDF:39.5/15

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -107.587+/-184.272 χ^2/NDF:9.8/13

Left: 445.623+/-129.288 χ^2/NDF: 67.1/29

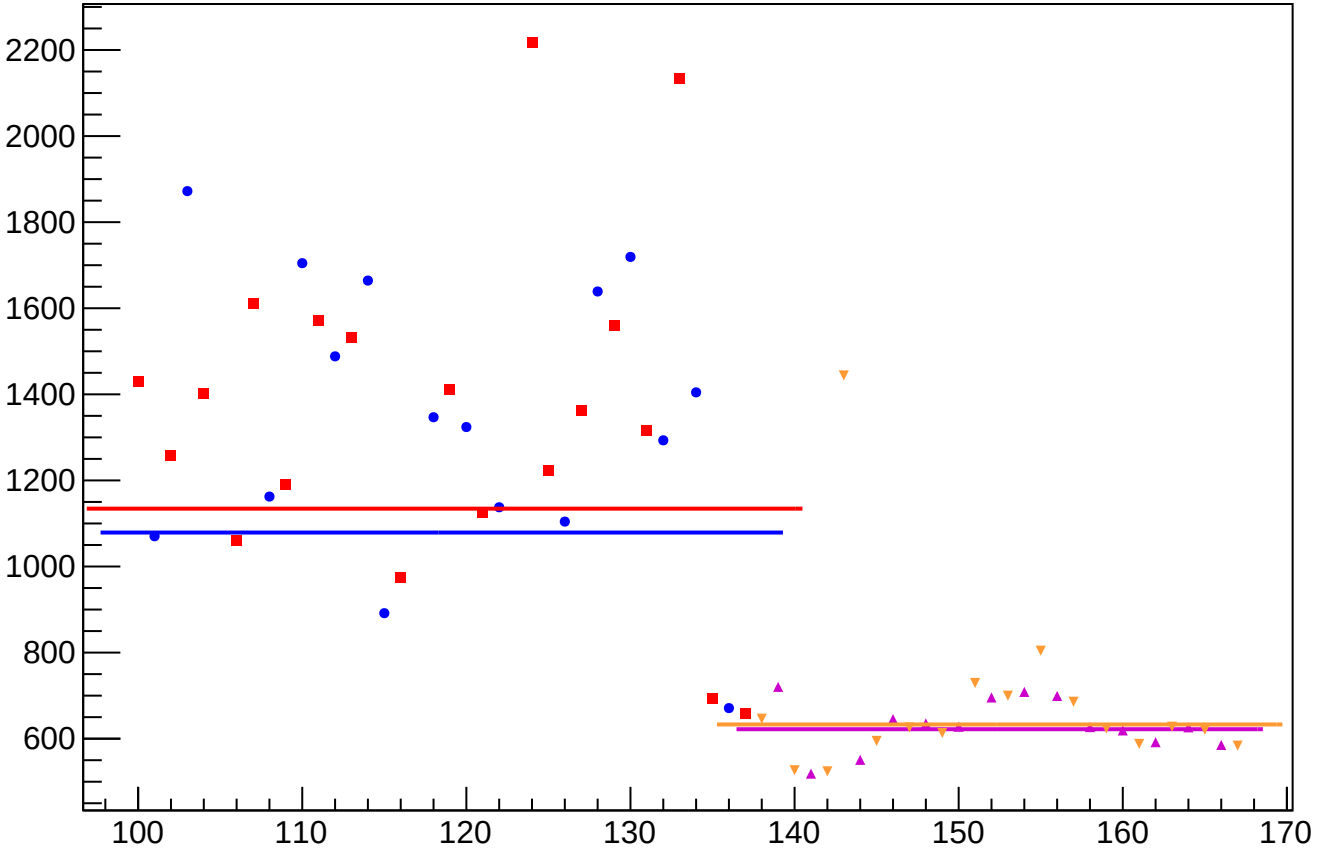
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 59.987+/-169.106 χ^2/NDF:34.9/29

Out: 758.830+/-167.782 χ^2/NDF:68.4/34

All: 412.155+/-119.105 χ^2/NDF: 111.9/64

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.982+/-0.130 χ^2/NDF:208331.8/13

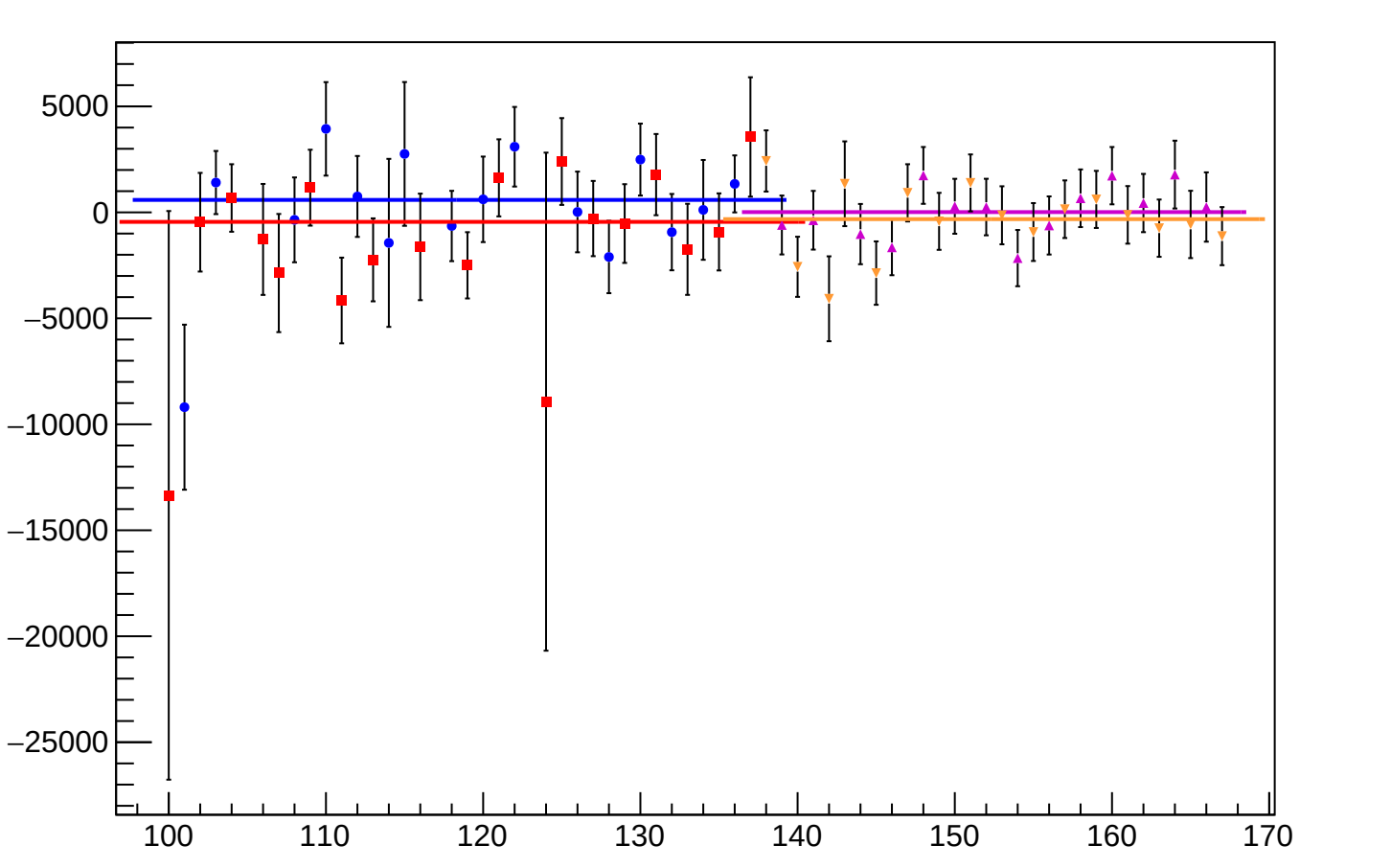
Left: 627.597+/-0.091 χ^2/NDF: 989235.2/29

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 694.102+/-0.120 χ^2/NDF:3628117.7/29

Out: 705.695+/-0.119 χ^2/NDF:4279186.2/34

All: 699.944+/-0.084 χ^2/NDF: 7912040.4/64



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.546+/-358.993 χ^2/NDF:17.0/15

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 12.535+/-369.955 χ^2/NDF:10.2/13

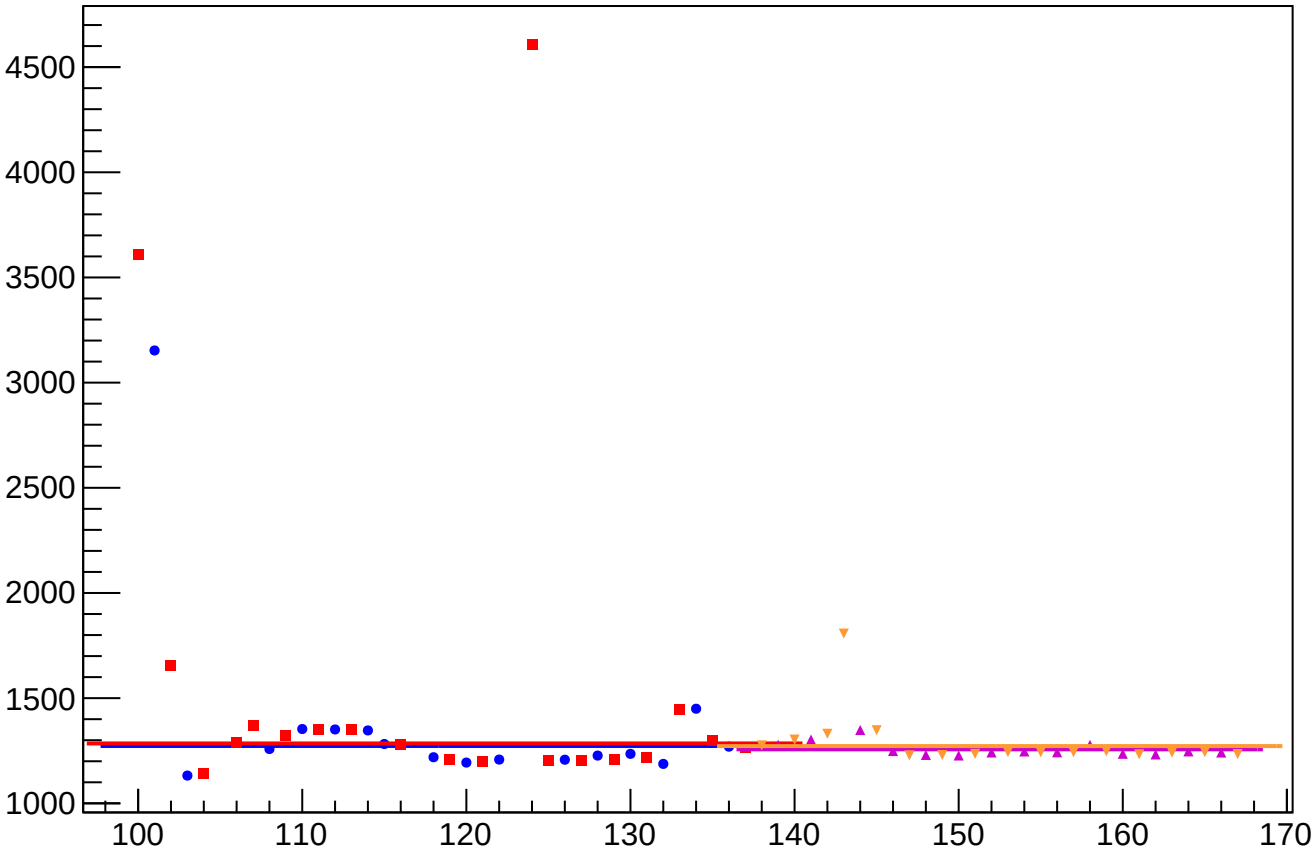
Left: -158.498+/-257.635 χ^2/NDF: 27.6/29

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 225.354+/-293.572 χ^2/NDF:28.2/29

Out: -365.607+/-287.769 χ^2/NDF:33.9/34

All: -76.025+/-205.505 χ^2/NDF: 64.1/64



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

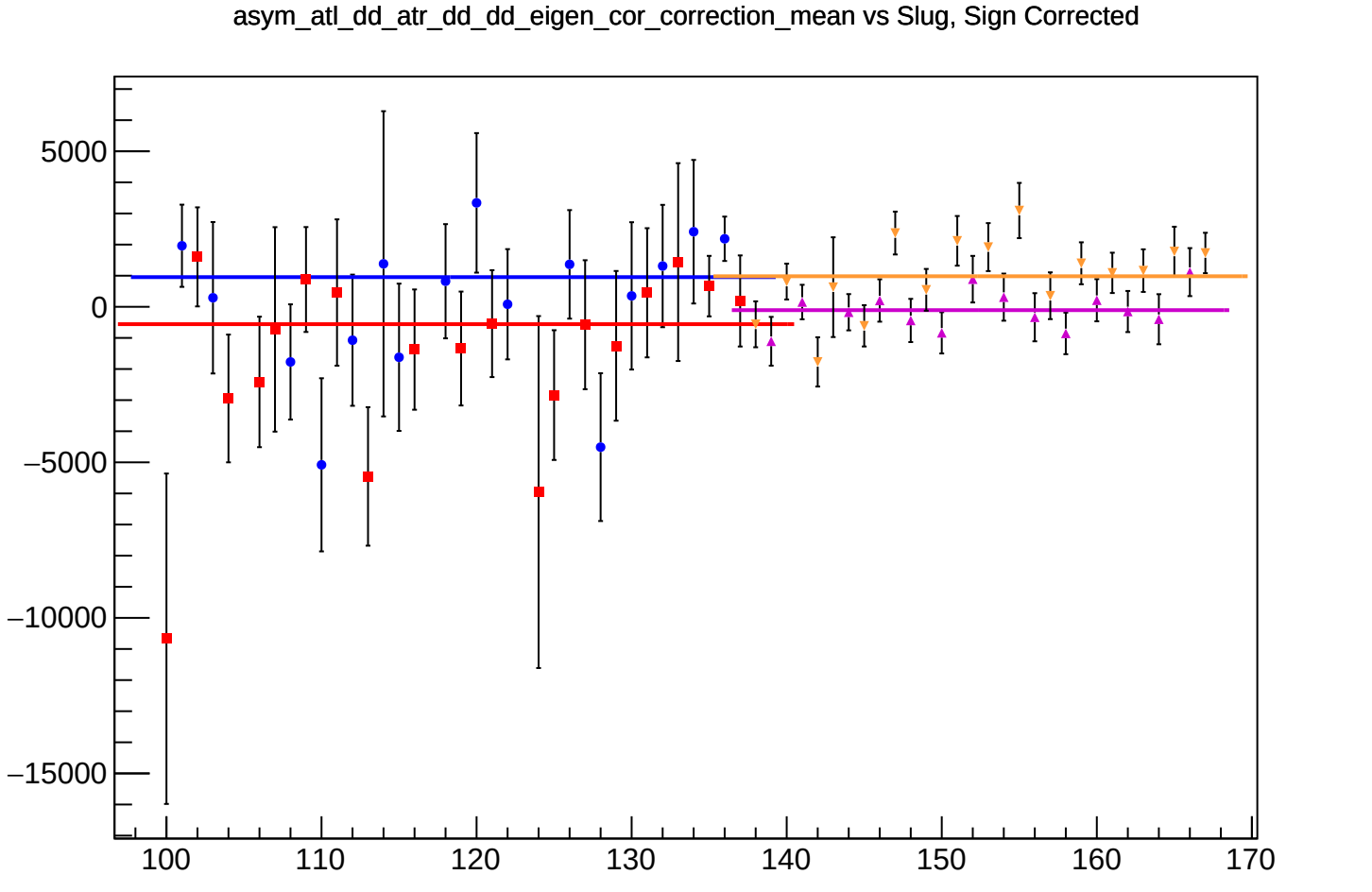
Left: 1264.671+/-0.182 χ^2/NDF: 181852.8/29

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1262.704+/-0.208 χ^2/NDF:536087.2/29

Out: 1276.597+/-0.203 χ^2/NDF:494290.9/34

All: 1269.789+/-0.145 χ^2/NDF: 1032662.4/64



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 981.974+/-181.442 χ^2/NDF:39.5/15

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -107.587+/-184.272 χ^2/NDF:9.8/13

Left: 445.623+/-129.288 χ^2/NDF: 67.1/29

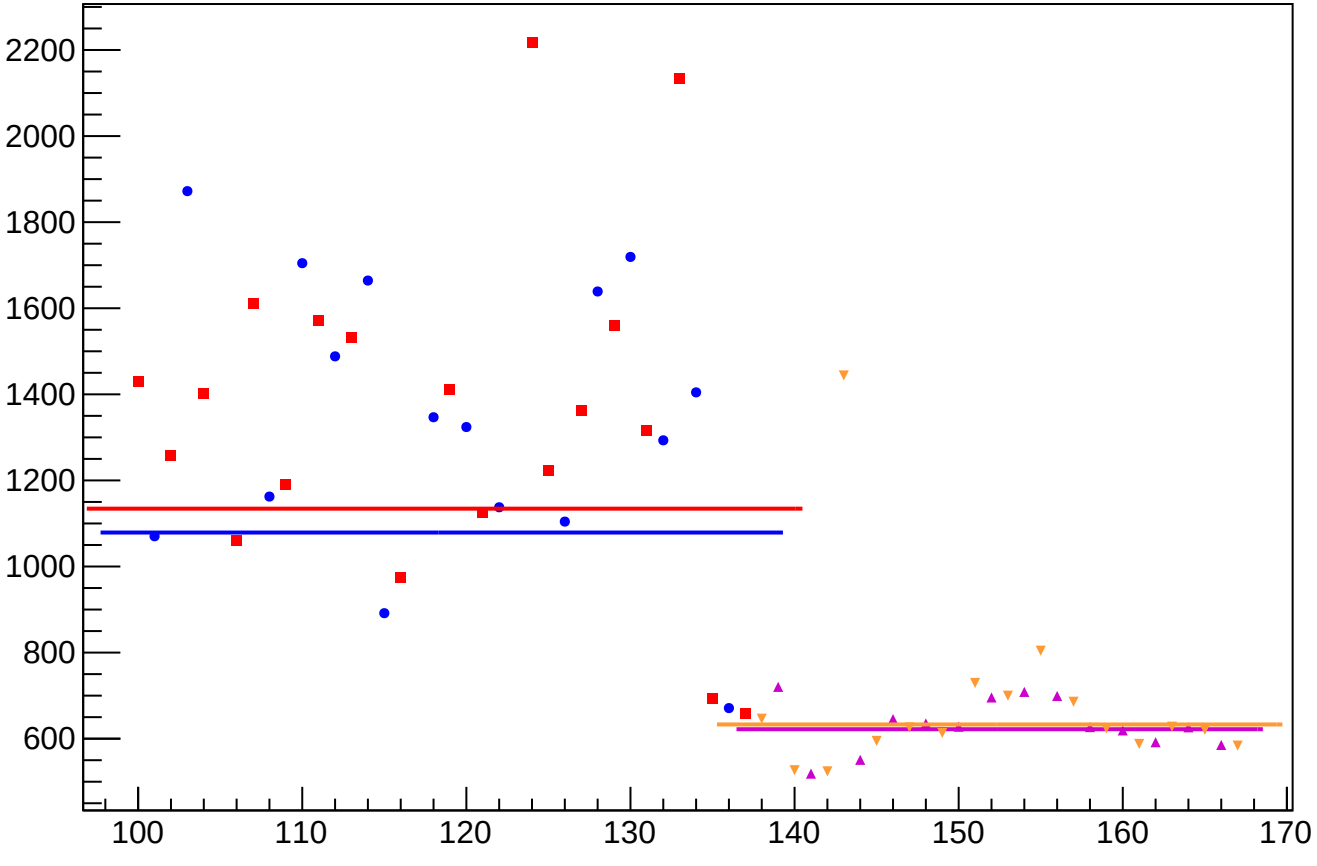
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 59.987+/-169.106 χ^2/NDF:34.9/29

Out: 758.830+/-167.782 χ^2/NDF:68.4/34

All: 412.155+/-119.105 χ^2/NDF: 111.9/64

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.982+/-0.130 χ^2/NDF:208331.8/13

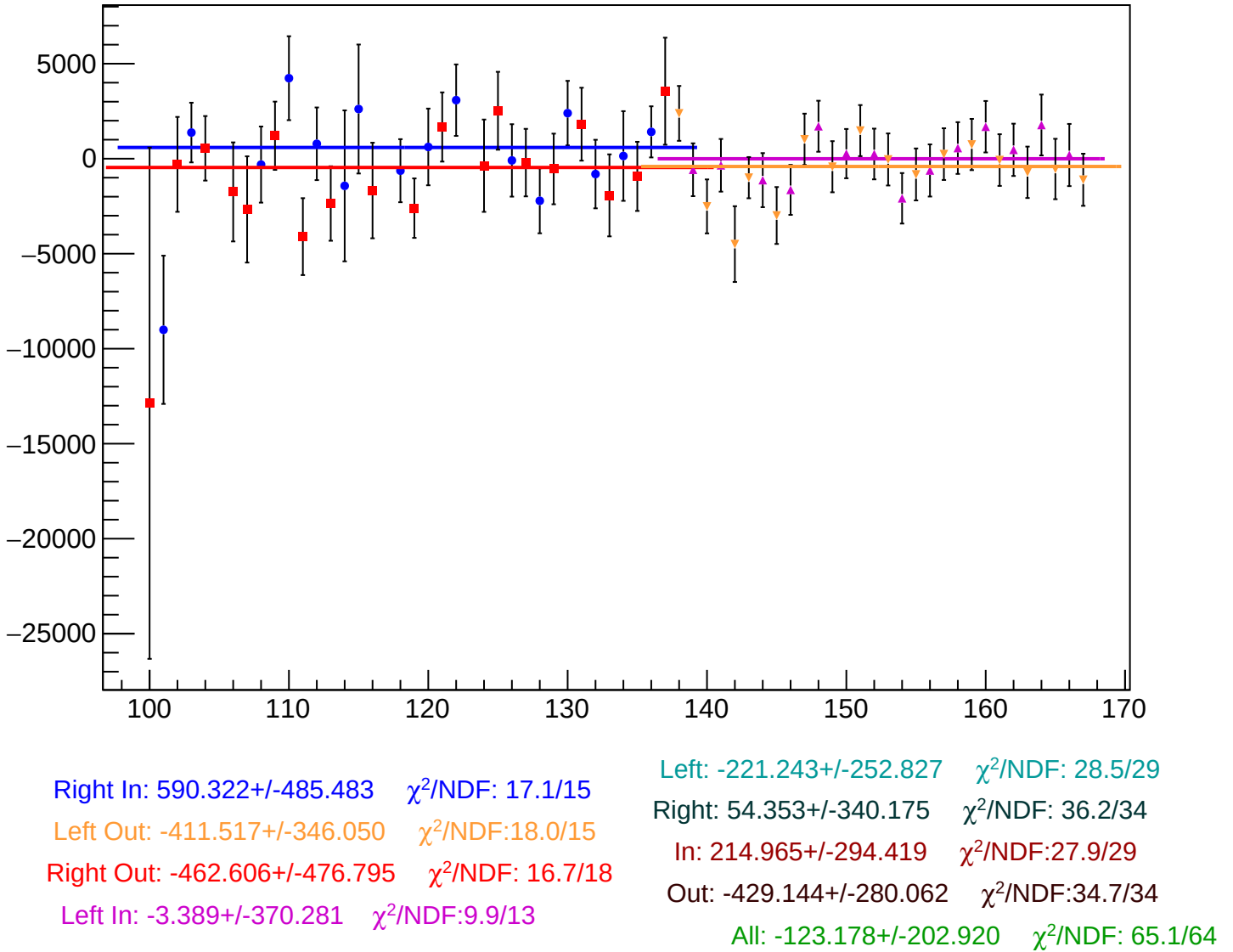
Left: 627.597+/-0.091 χ^2/NDF: 989235.2/29

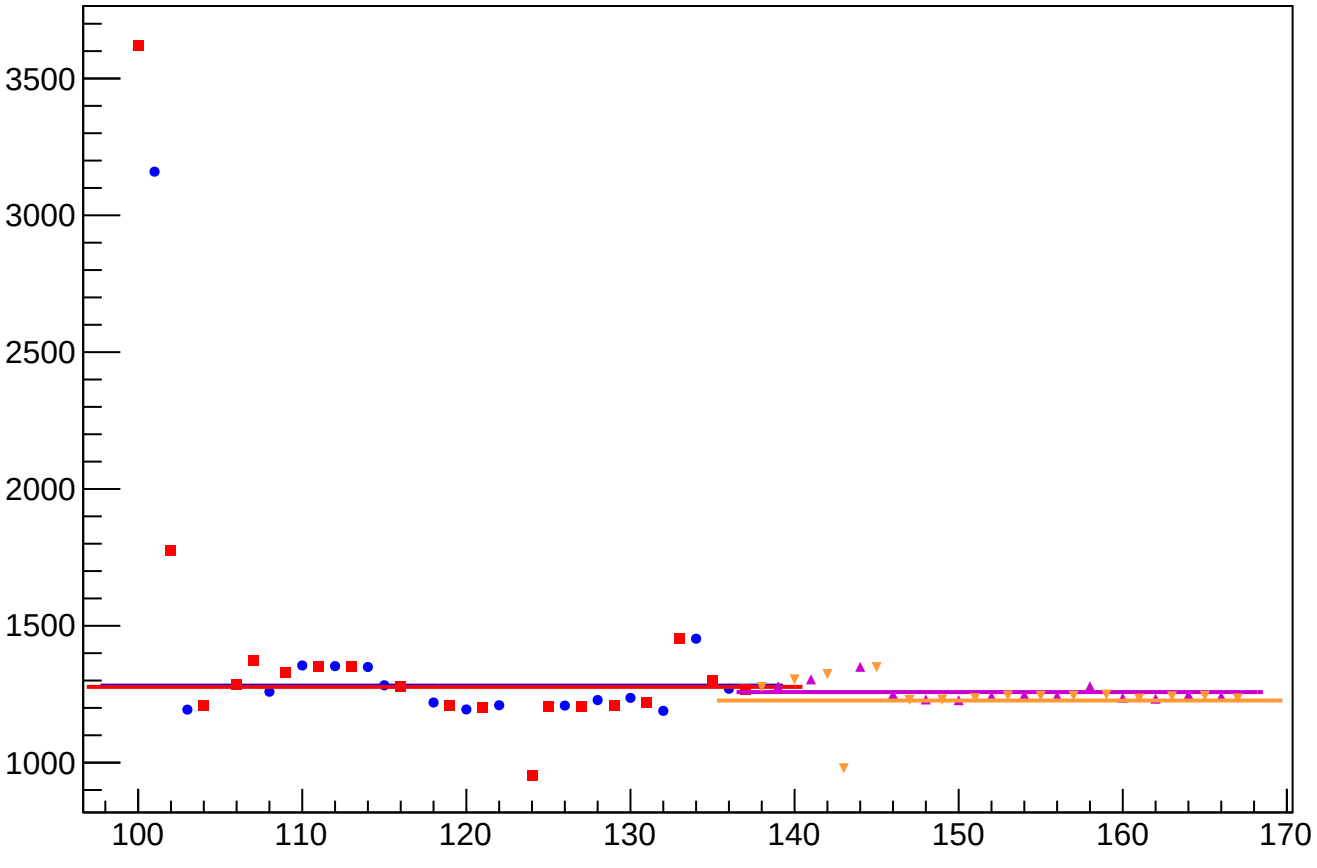
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 694.102+/-0.120 χ^2/NDF:3628117.7/29

Out: 705.695+/-0.119 χ^2/NDF:4279186.2/34

All: 699.944+/-0.084 χ^2/NDF: 7912040.4/64


dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -411.517+/-346.050 χ²/NDF:18.0/15
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -3.389+/-370.281 χ²/NDF:9.9/13
Left: -221.243+/-252.827 χ²/NDF: 28.5/29
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 214.965+/-294.419 χ²/NDF:27.9/29
Out: -429.144+/-280.062 χ²/NDF:34.7/34
All: -123.178+/-202.920 χ²/NDF: 65.1/64



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.988+/-0.245 χ^2/NDF:132788.9/15

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1257.869+/-0.262 χ^2/NDF:15483.0/13

Left: 1241.385+/-0.179 χ^2/NDF: 155697.0/29

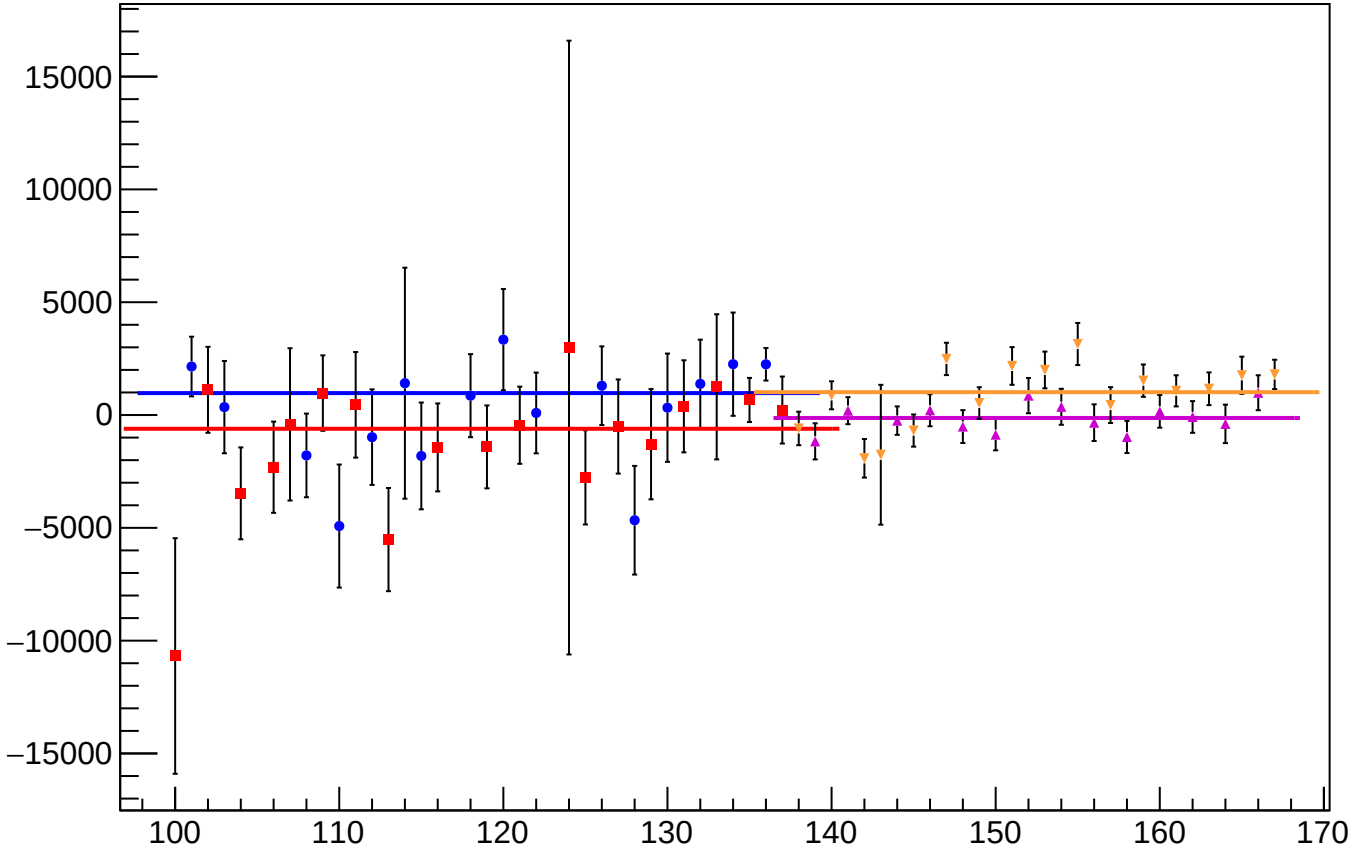
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1266.512+/-0.208 χ^2/NDF:525524.1/29

Out: 1244.195+/-0.198 χ^2/NDF:367634.5/34

All: 1254.796+/-0.143 χ^2/NDF: 899190.9/64

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 1013.965+/-191.416 χ^2/NDF:39.7/15

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -130.263+/-194.288 χ^2/NDF:9.4/13

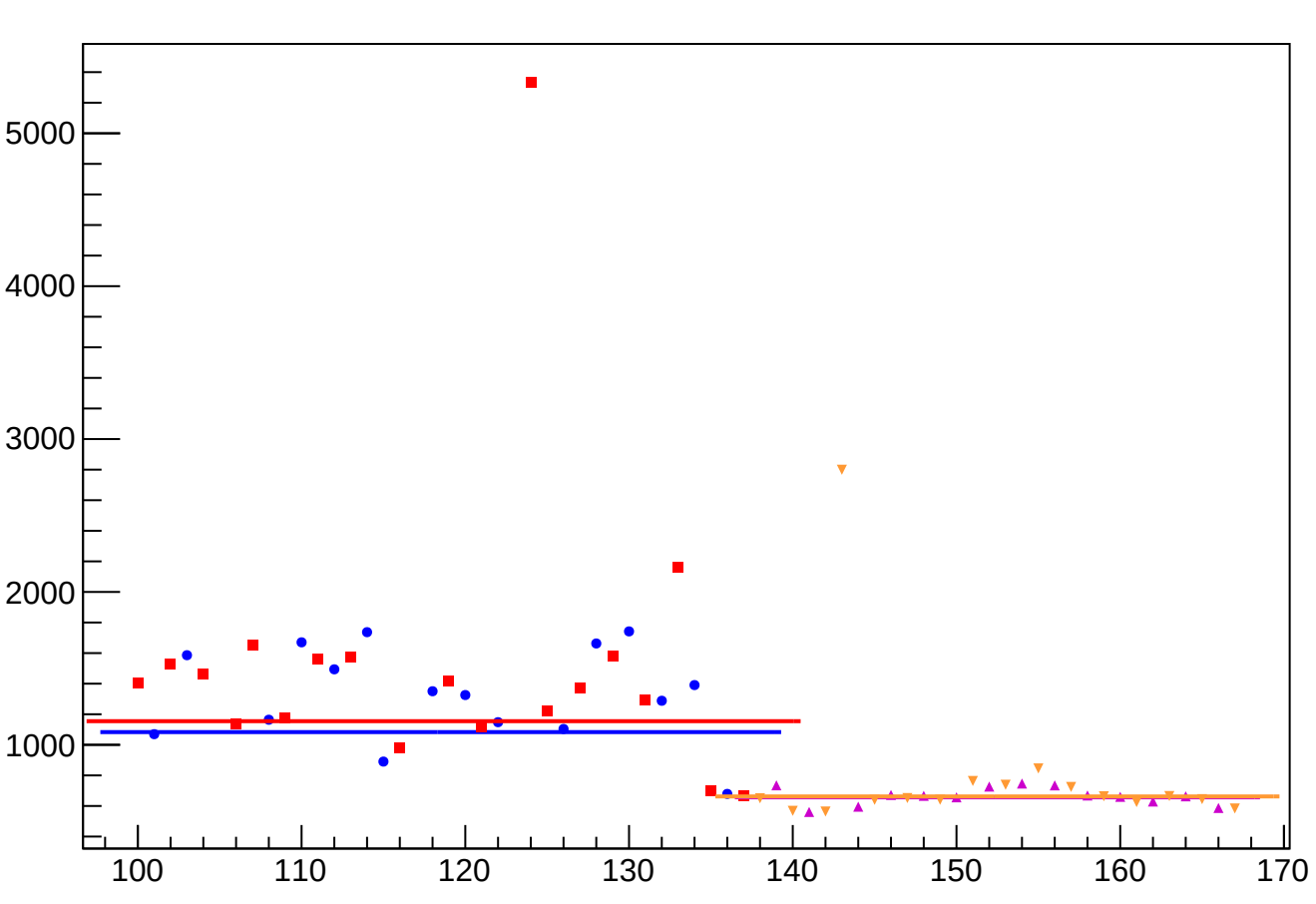
Left: 450.369+/-136.356 χ^2/NDF: 66.8/29

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 60.161+/-176.715 χ^2/NDF:35.5/29

Out: 763.255+/-176.006 χ^2/NDF:68.0/34

All: 413.121+/-124.705 χ^2/NDF: 111.4/64



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 662.334+/-0.135 χ^2/NDF:1200765.2/15

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 656.488+/-0.137 χ^2/NDF:170594.9/13

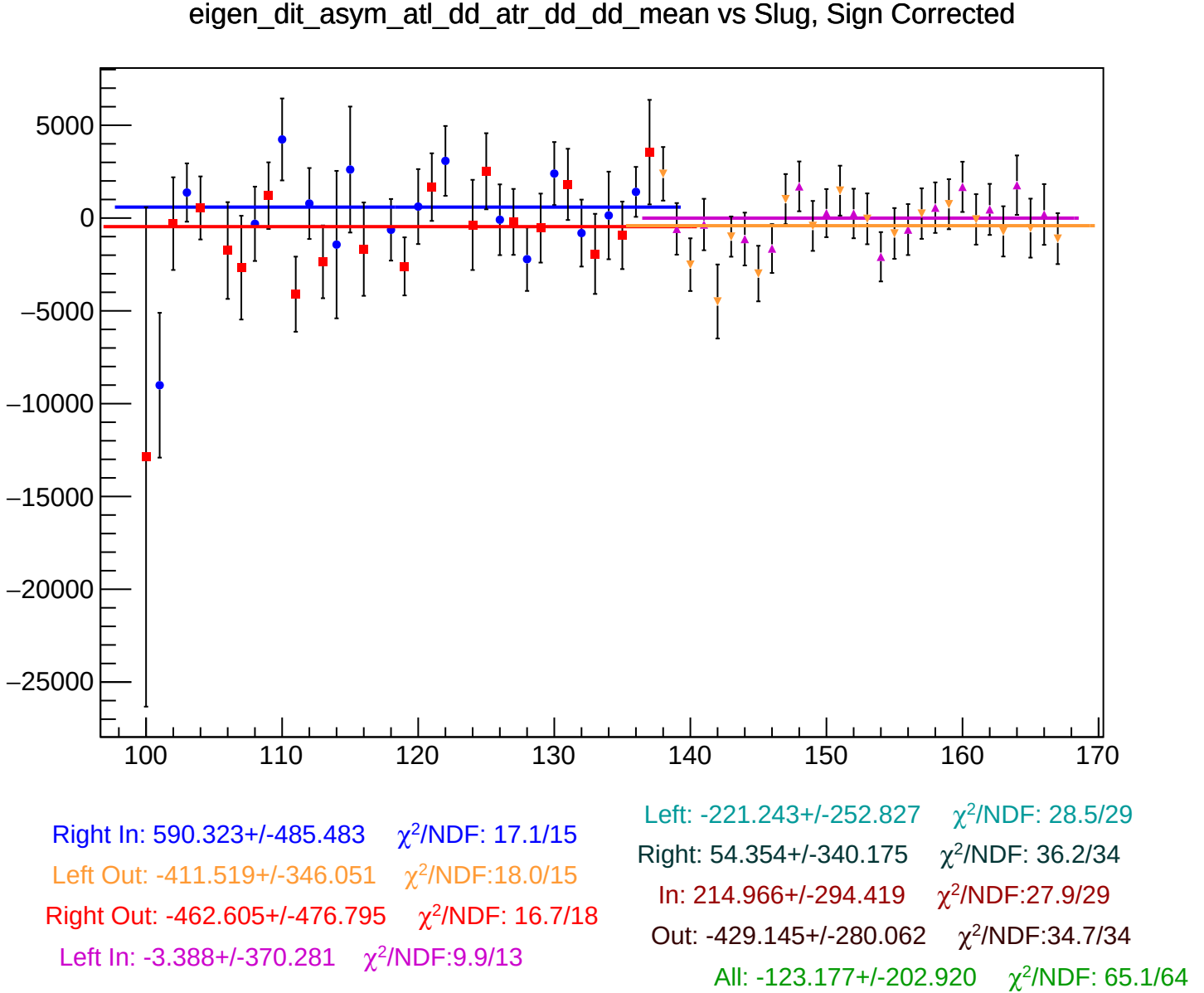
Left: 659.454+/-0.096 χ^2/NDF: 1372279.2/29

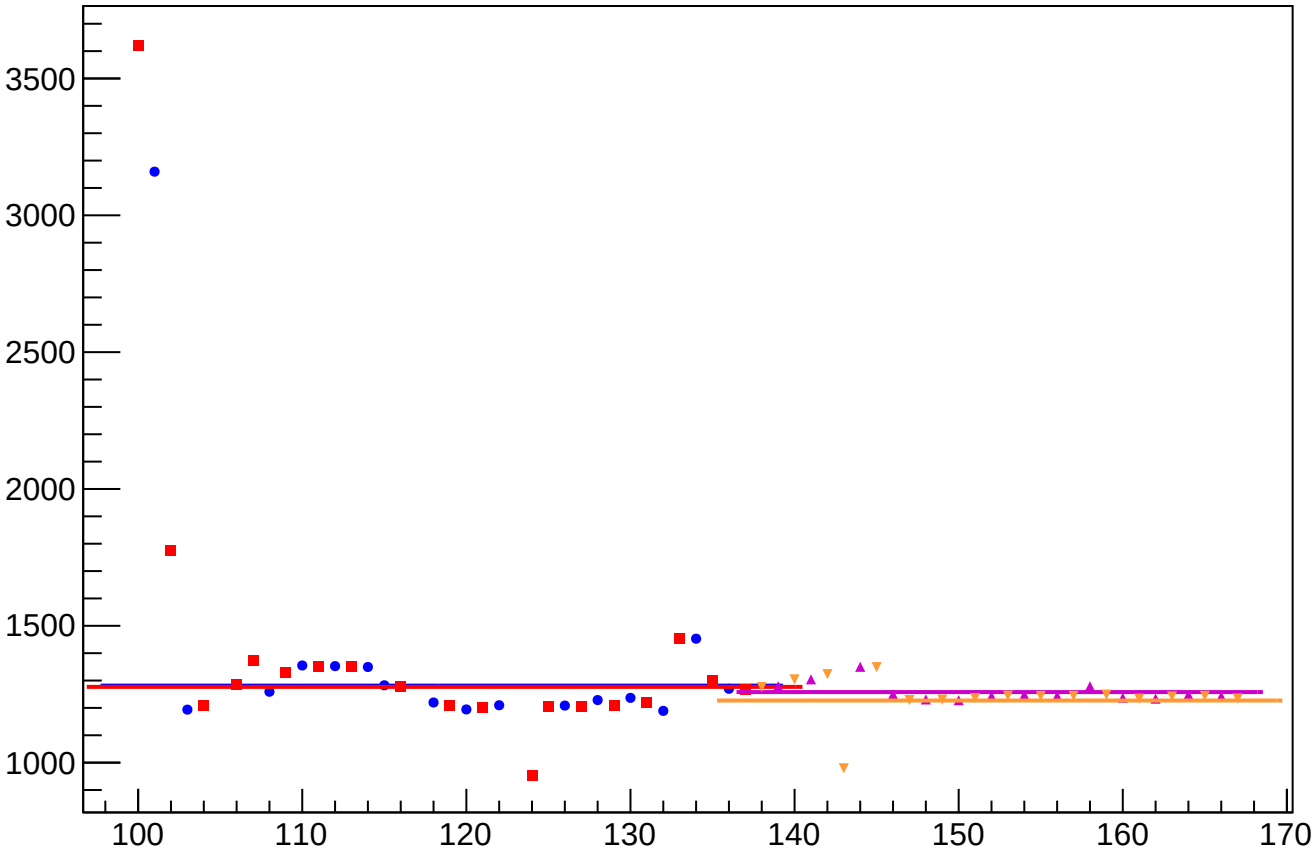
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 730.209+/-0.125 χ^2/NDF:3198020.4/29

Out: 738.424+/-0.124 χ^2/NDF:4734130.4/34

All: 734.333+/-0.088 χ^2/NDF: 7934320.2/64


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -411.519+/-346.051 χ²/NDF:18.0/15
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -3.388+/-370.281 χ²/NDF:9.9/13
Left: -221.243+/-252.827 χ²/NDF: 28.5/29
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 214.966+/-294.419 χ²/NDF:27.9/29
Out: -429.145+/-280.062 χ²/NDF:34.7/34
All: -123.177+/-202.920 χ²/NDF: 65.1/64



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.989+/-0.245 χ^2/NDF:132788.2/15

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1257.869+/-0.262 χ^2/NDF:15483.0/13

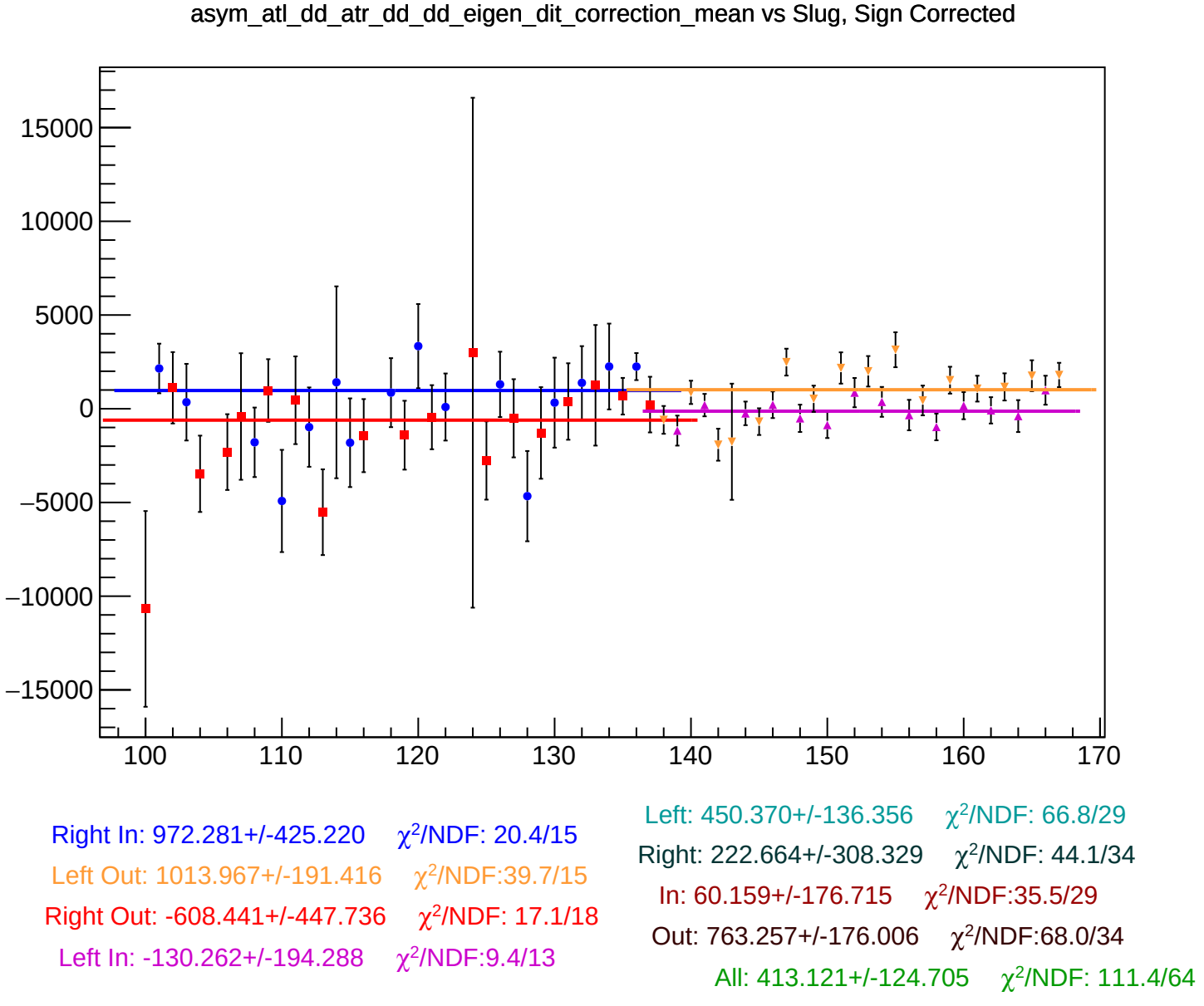
Left: 1241.385+/-0.179 χ^2/NDF: 155696.2/29

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

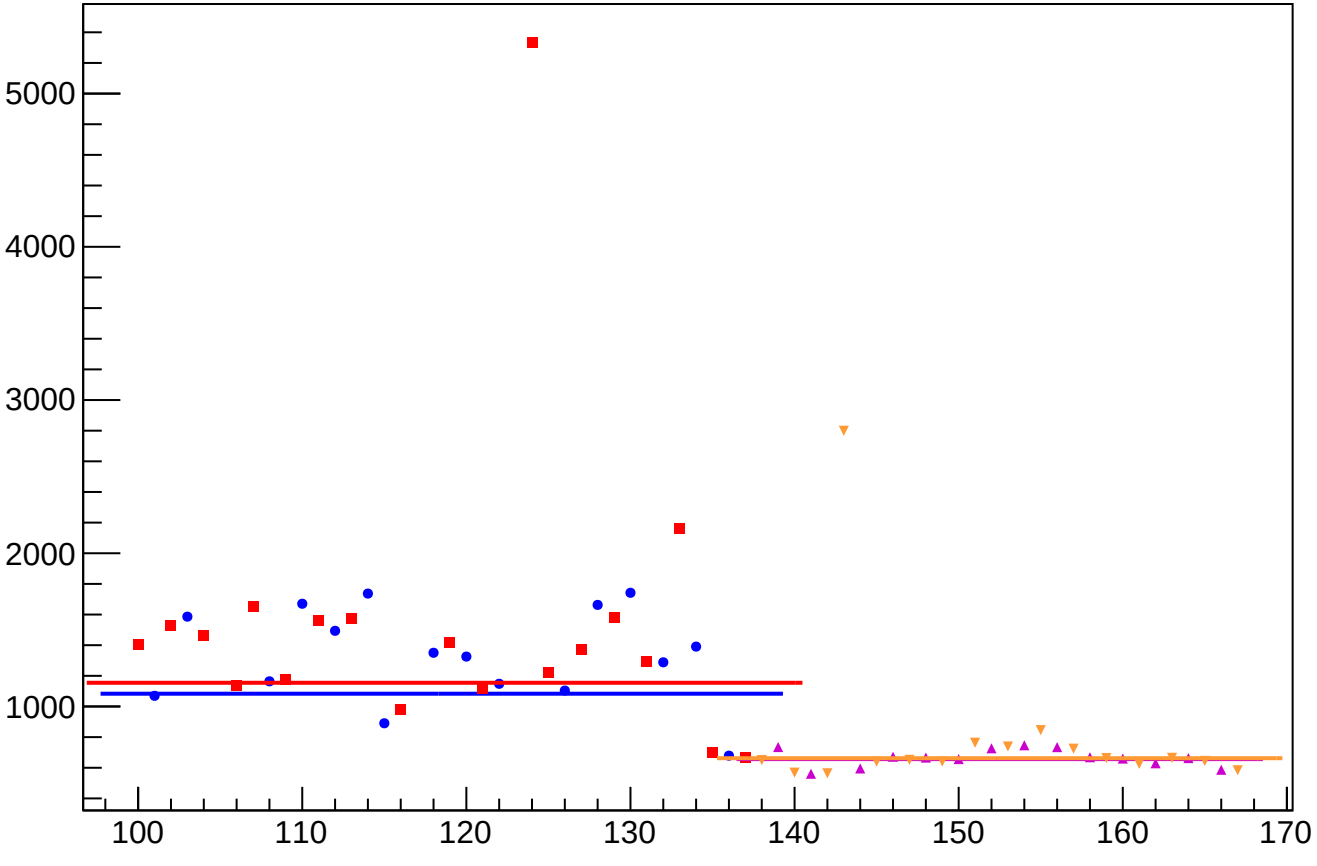
In: 1266.512+/-0.208 χ^2/NDF:525524.3/29

Out: 1244.195+/-0.198 χ^2/NDF:367633.5/34

All: 1254.796+/-0.143 χ^2/NDF: 899190.0/64


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 1013.967+/-191.416 χ²/NDF:39.7/15
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -130.262+/-194.288 χ²/NDF:9.4/13
Left: 450.370+/-136.356 χ²/NDF: 66.8/29
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: 60.159+/-176.715 χ²/NDF:35.5/29
Out: 763.257+/-176.006 χ²/NDF:68.0/34
All: 413.121+/-124.705 χ²/NDF: 111.4/64

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 662.335+/-0.135 χ^2/NDF:1200760.3/15

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 656.487+/-0.137 χ^2/NDF:170598.3/13

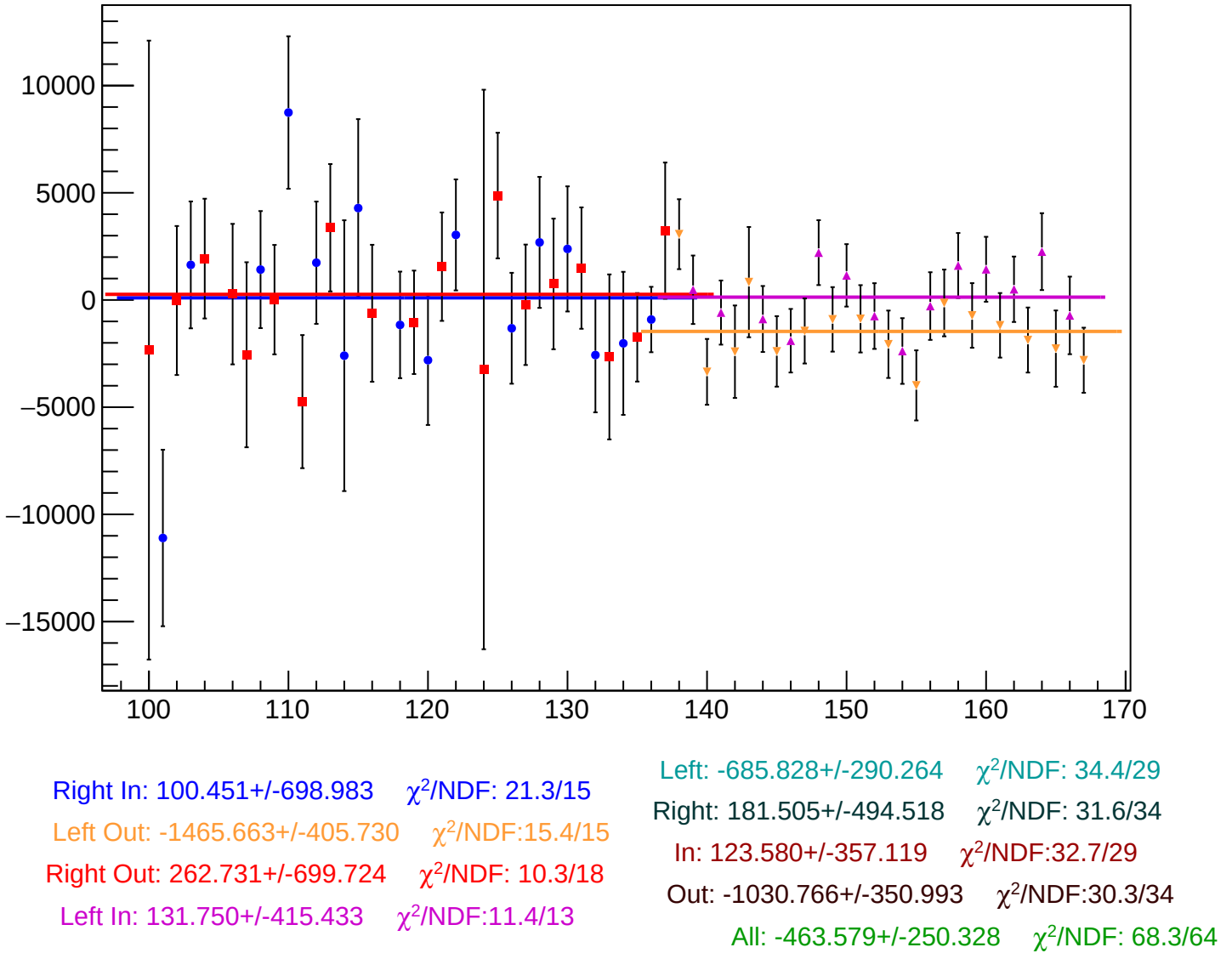
Left: 659.454+/-0.096 χ^2/NDF: 1372277.9/29

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

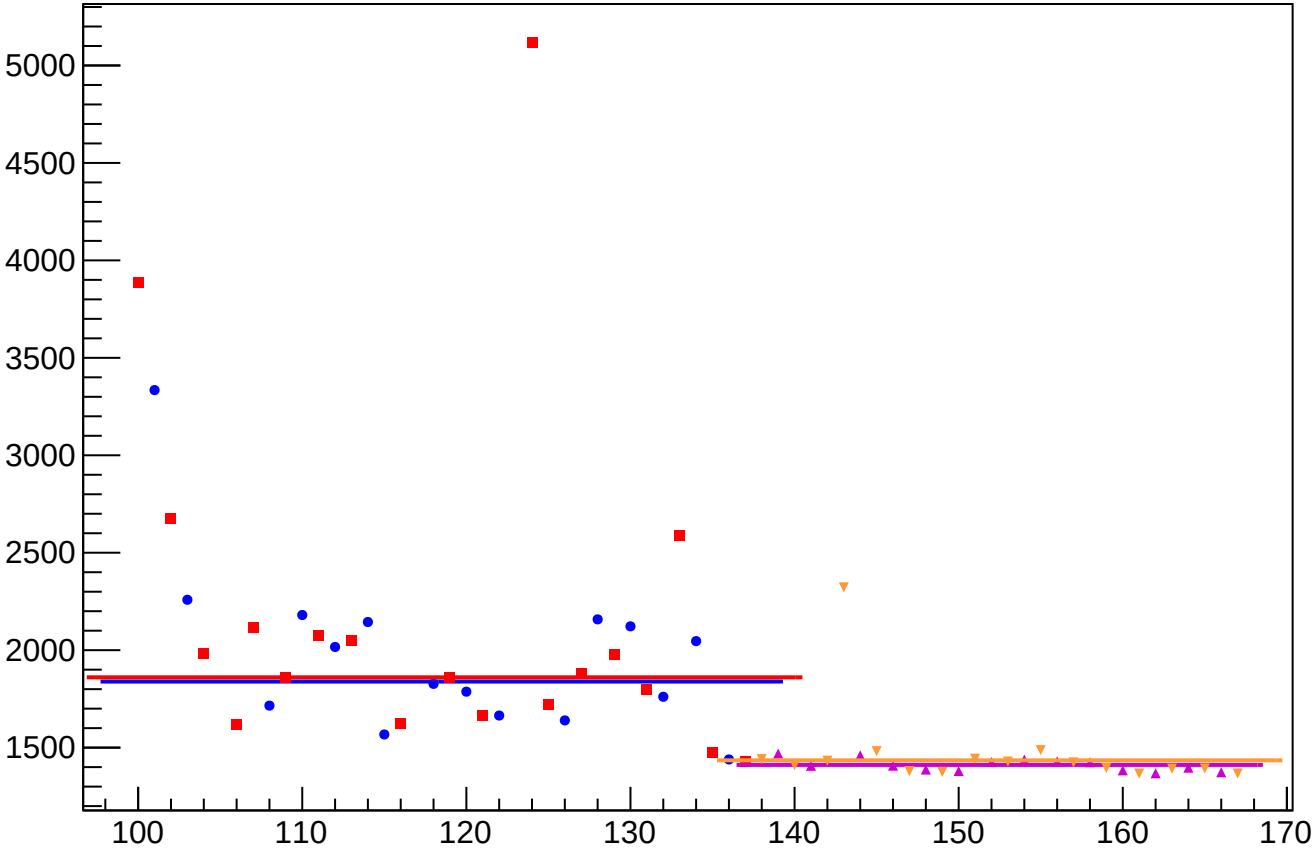
In: 730.209+/-0.125 χ^2/NDF:3198009.9/29

Out: 738.425+/-0.124 χ^2/NDF:4734114.7/34

All: 734.334+/-0.088 χ^2/NDF: 7934294.5/64


asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -1465.663+/-405.730 χ²/NDF:15.4/15
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: 131.750+/-415.433 χ²/NDF:11.4/13
Left: -685.828+/-290.264 χ²/NDF: 34.4/29
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 123.580+/-357.119 χ²/NDF:32.7/29
Out: -1030.766+/-350.993 χ²/NDF:30.3/34
All: -463.579+/-250.328 χ²/NDF: 68.3/64

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1434.806+/-0.287 χ^2/NDF:260489.2/15

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1411.277+/-0.294 χ^2/NDF:10630.6/13

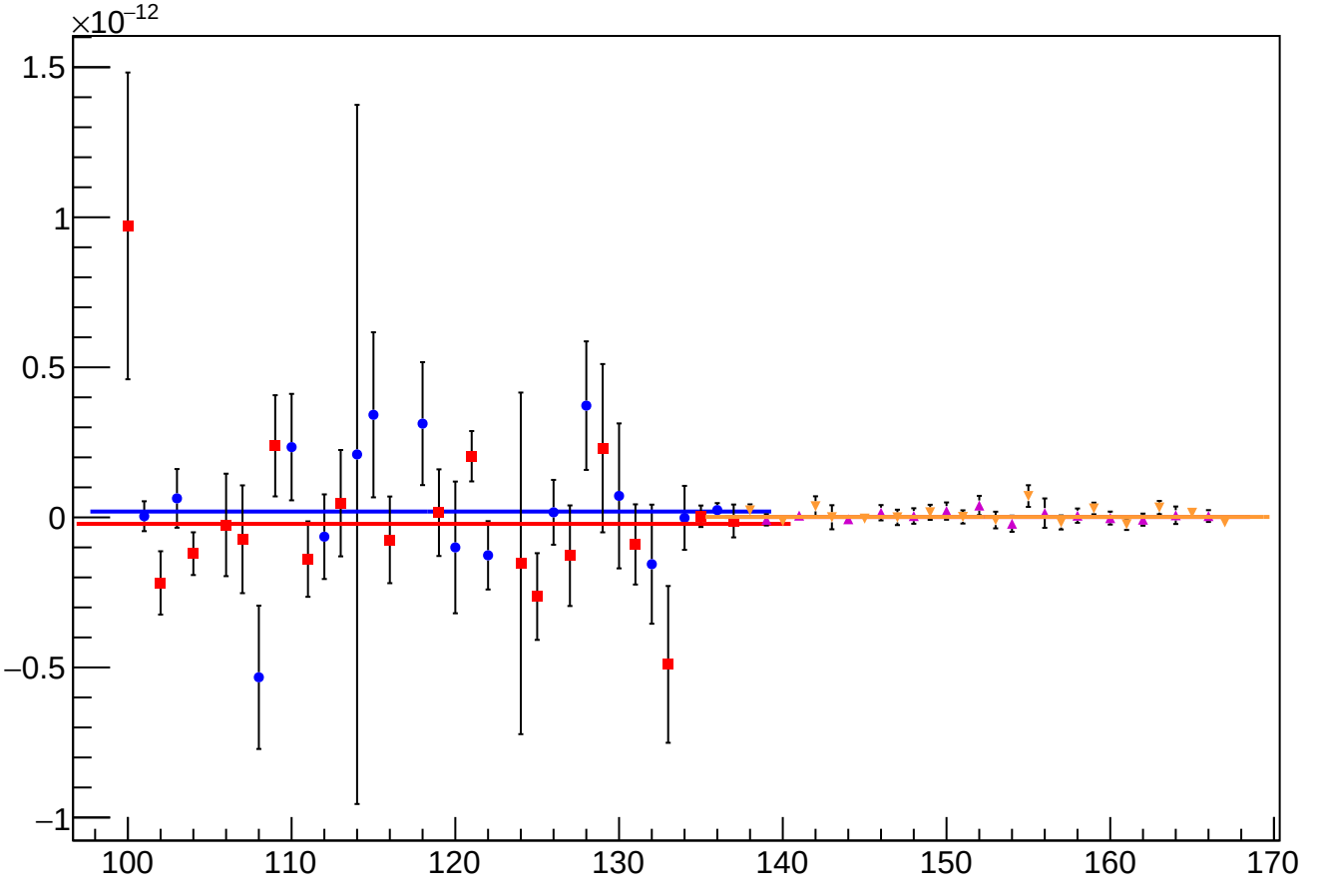
Left: 1423.319+/-0.205 χ^2/NDF: 274403.2/29

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1522.957+/-0.253 χ^2/NDF:1121060.1/29

Out: 1541.984+/-0.248 χ^2/NDF:1337254.6/34

All: 1532.635+/-0.177 χ^2/NDF: 2461202.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/13

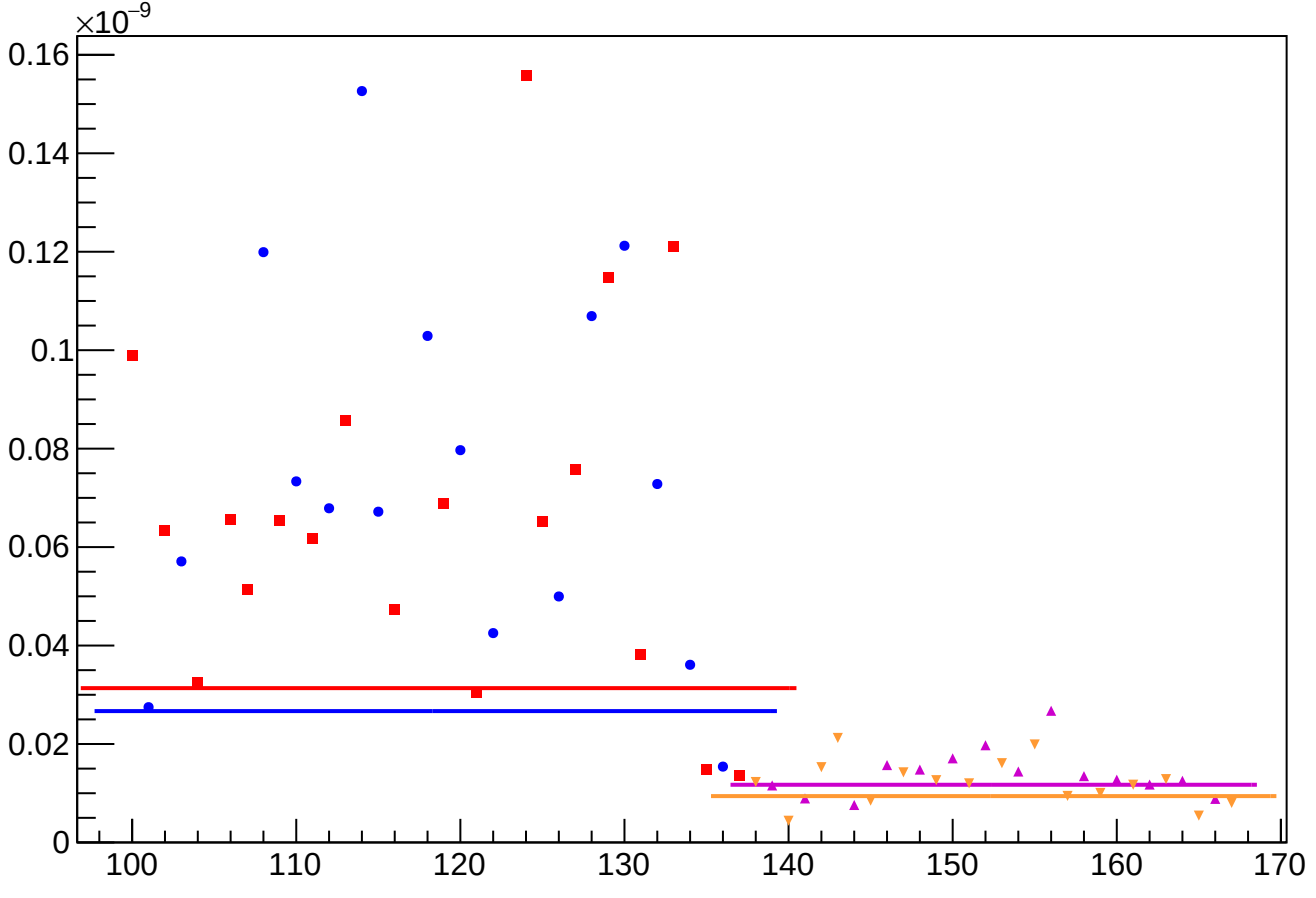
Left: 0.000+/-0.000 χ^2/NDF: 21.0/29

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/29

Out: 0.000+/-0.000 χ^2/NDF:46.3/34

All: 0.000+/-0.000 χ^2/NDF: 67.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1356581.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:787855.2/13

Left: 0.000+/-0.000 χ^2/NDF: 2328159.3/29

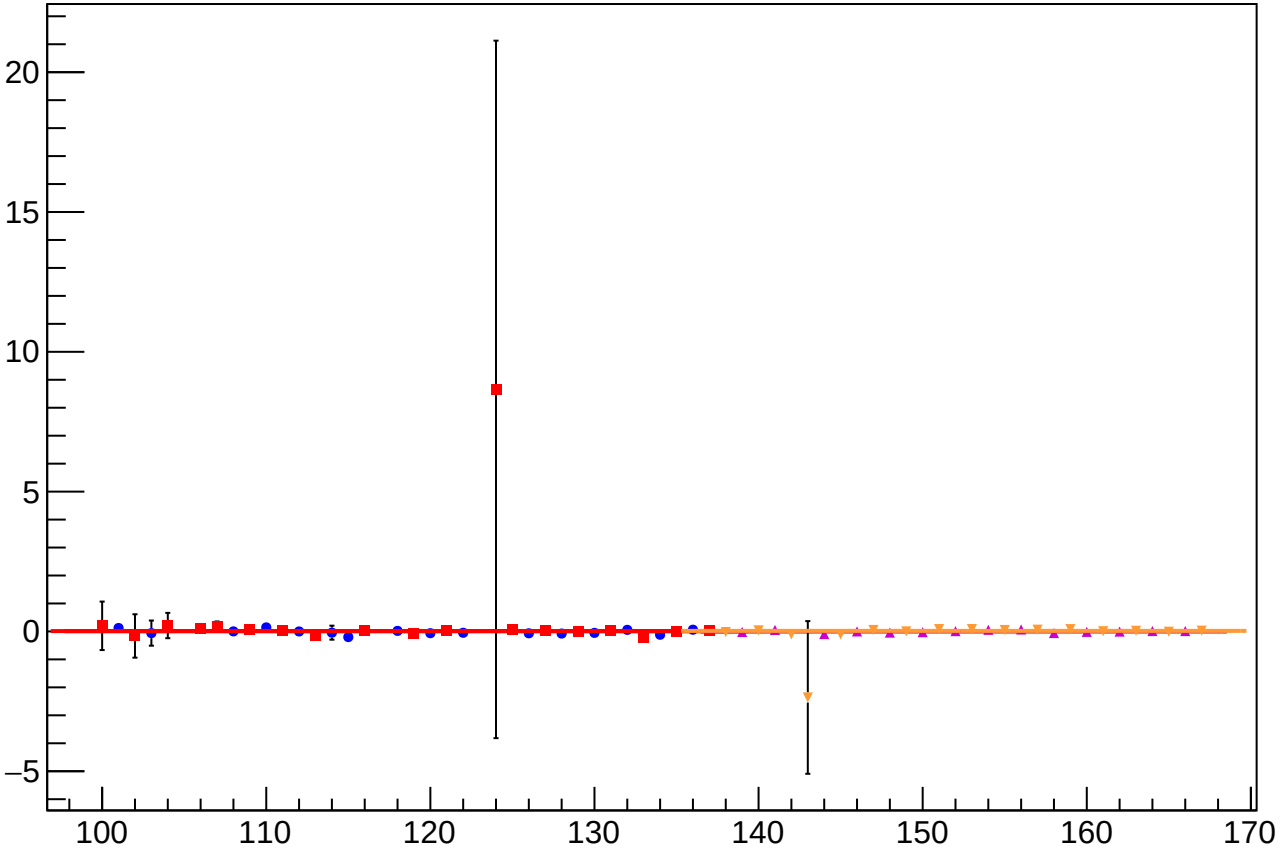
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4523994.1/29

Out: 0.000+/-0.000 χ^2/NDF:5478948.6/34

All: 0.000+/-0.000 χ^2/NDF: 10258106.6/64

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/29

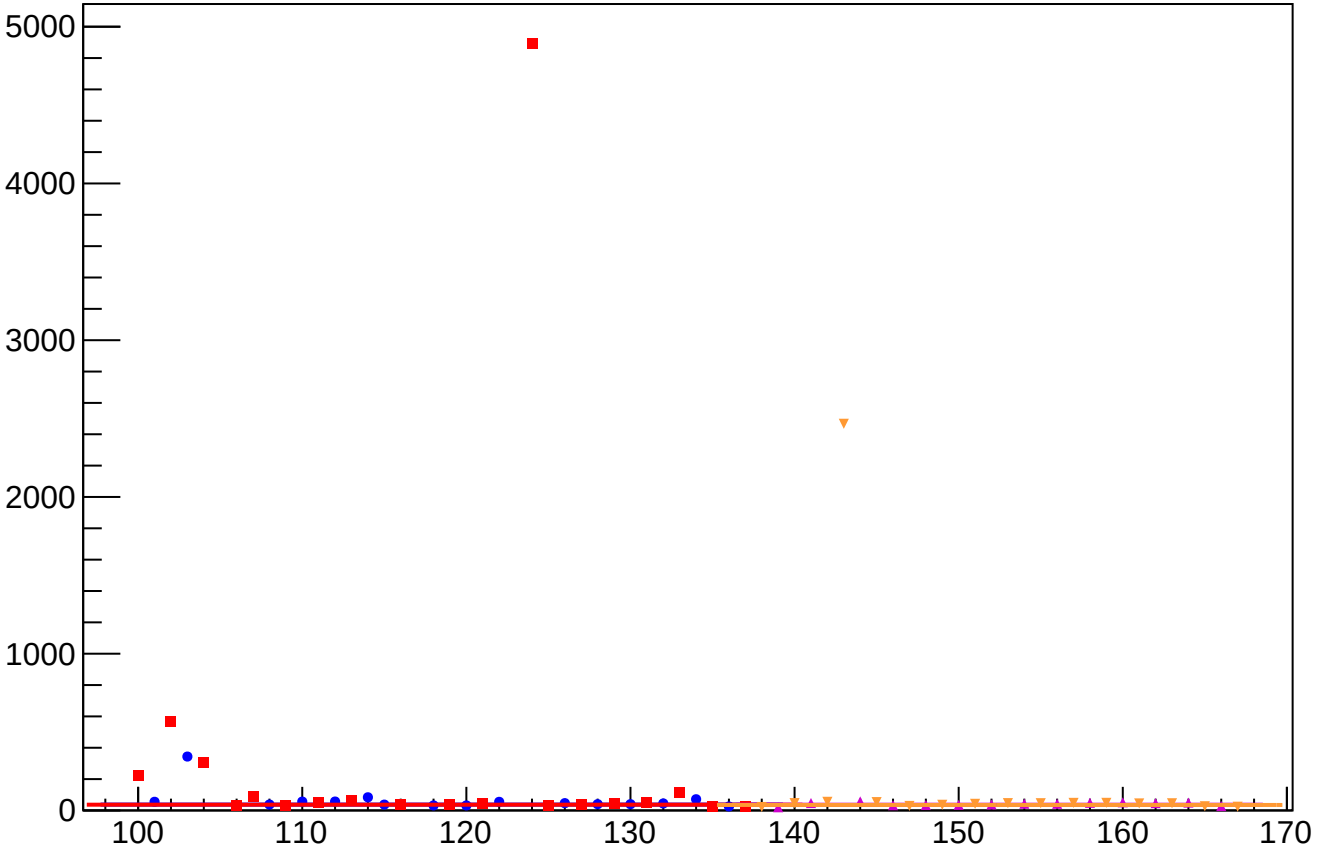
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.009+/-0.007 χ^2/NDF: 61.0/64

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 35.065+/-0.008 χ^2/NDF:3479952.0/15

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.652+/-0.008 χ^2/NDF:1574049.5/13

Left: 35.815+/-0.006 χ^2/NDF: 5072658.3/29

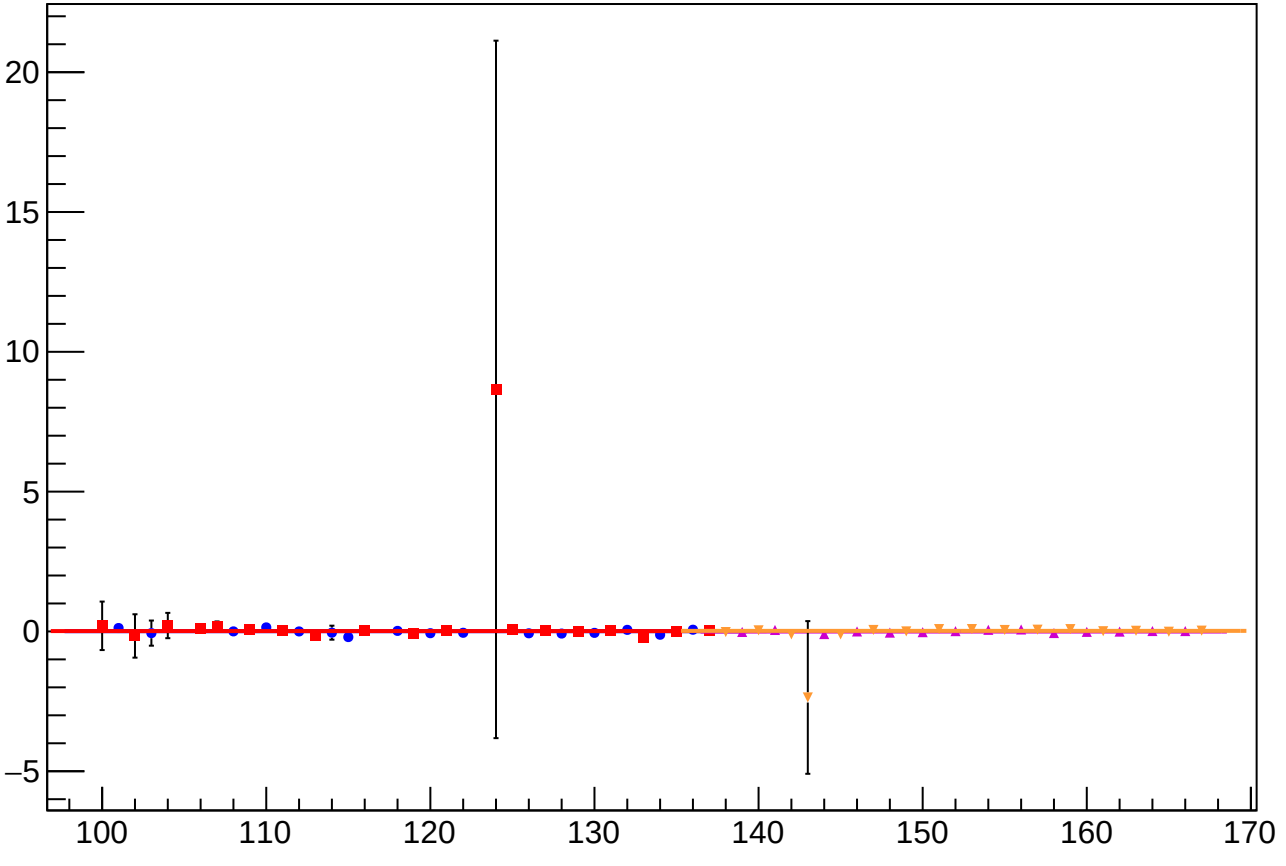
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.951+/-0.007 χ^2/NDF:3560868.2/29

Out: 35.603+/-0.007 χ^2/NDF:6685005.7/34

All: 36.260+/-0.005 χ^2/NDF: 10266163.8/64

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/29

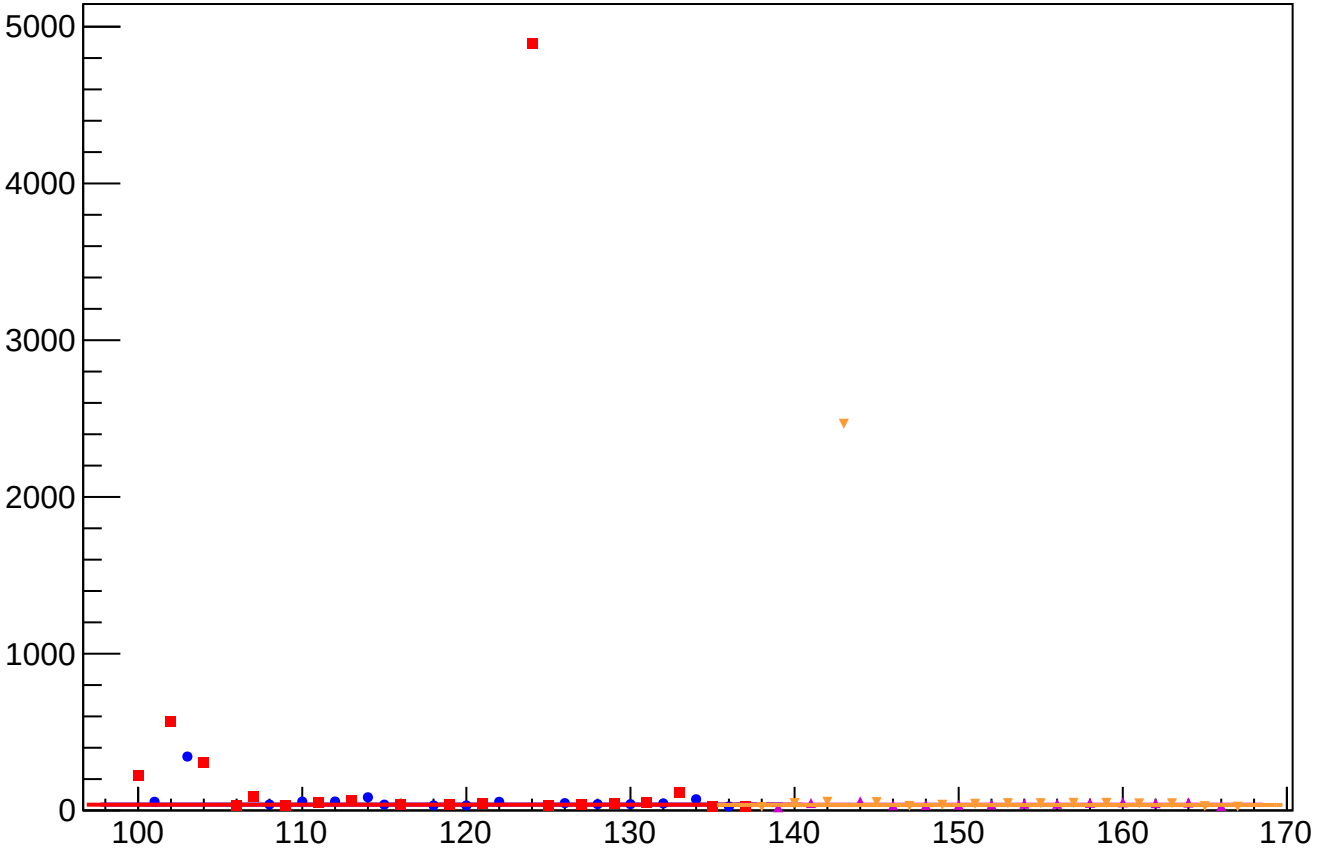
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.009+/-0.007 χ^2/NDF: 61.0/64

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 35.065+/-0.008 χ^2/NDF:3479952.0/15

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.652+/-0.008 χ^2/NDF:1574049.5/13

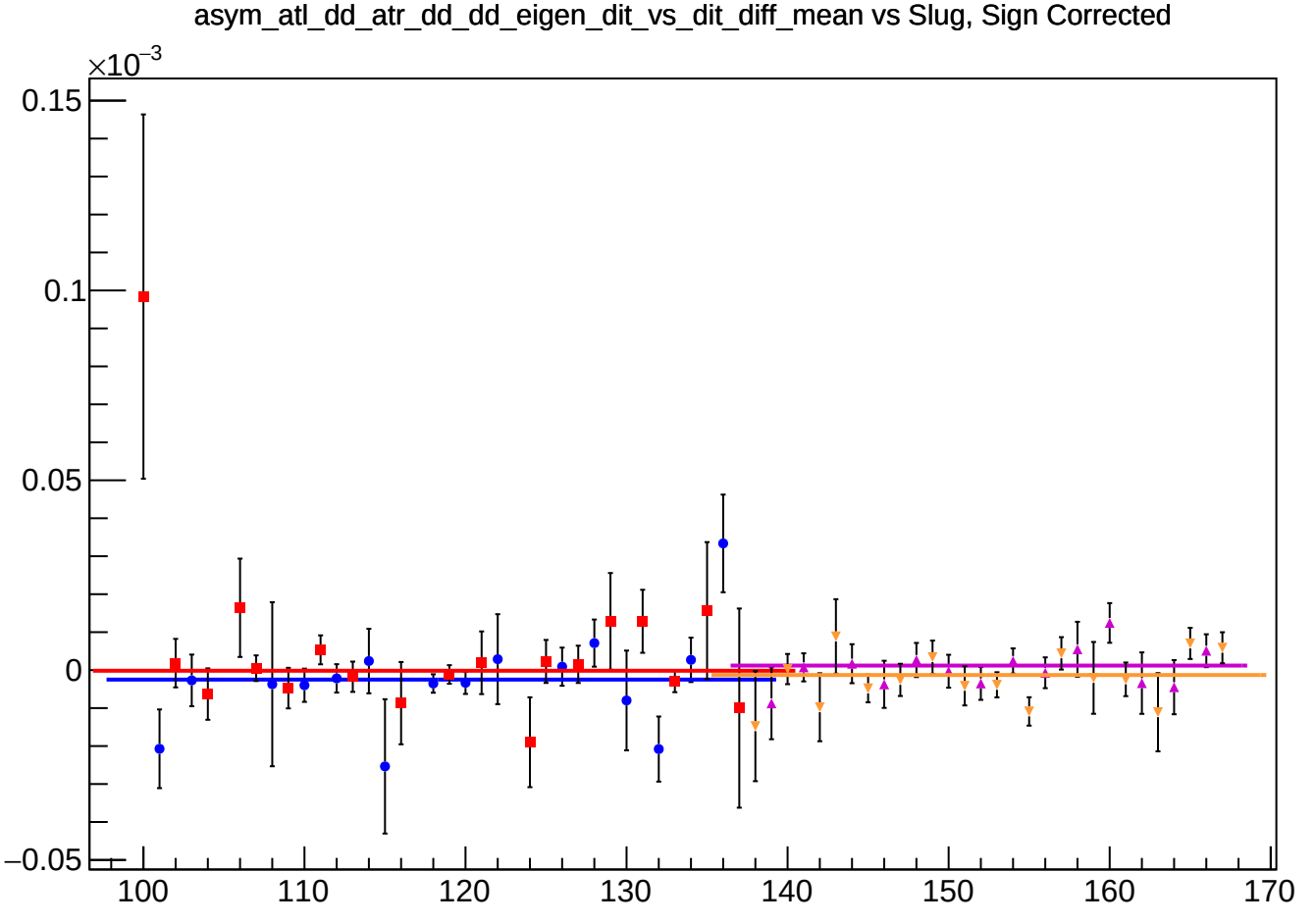
Left: 35.815+/-0.006 χ^2/NDF: 5072658.3/29

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.951+/-0.007 χ^2/NDF:3560868.2/29

Out: 35.603+/-0.007 χ^2/NDF:6685005.7/34

All: 36.260+/-0.005 χ^2/NDF: 10266163.8/64



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/13

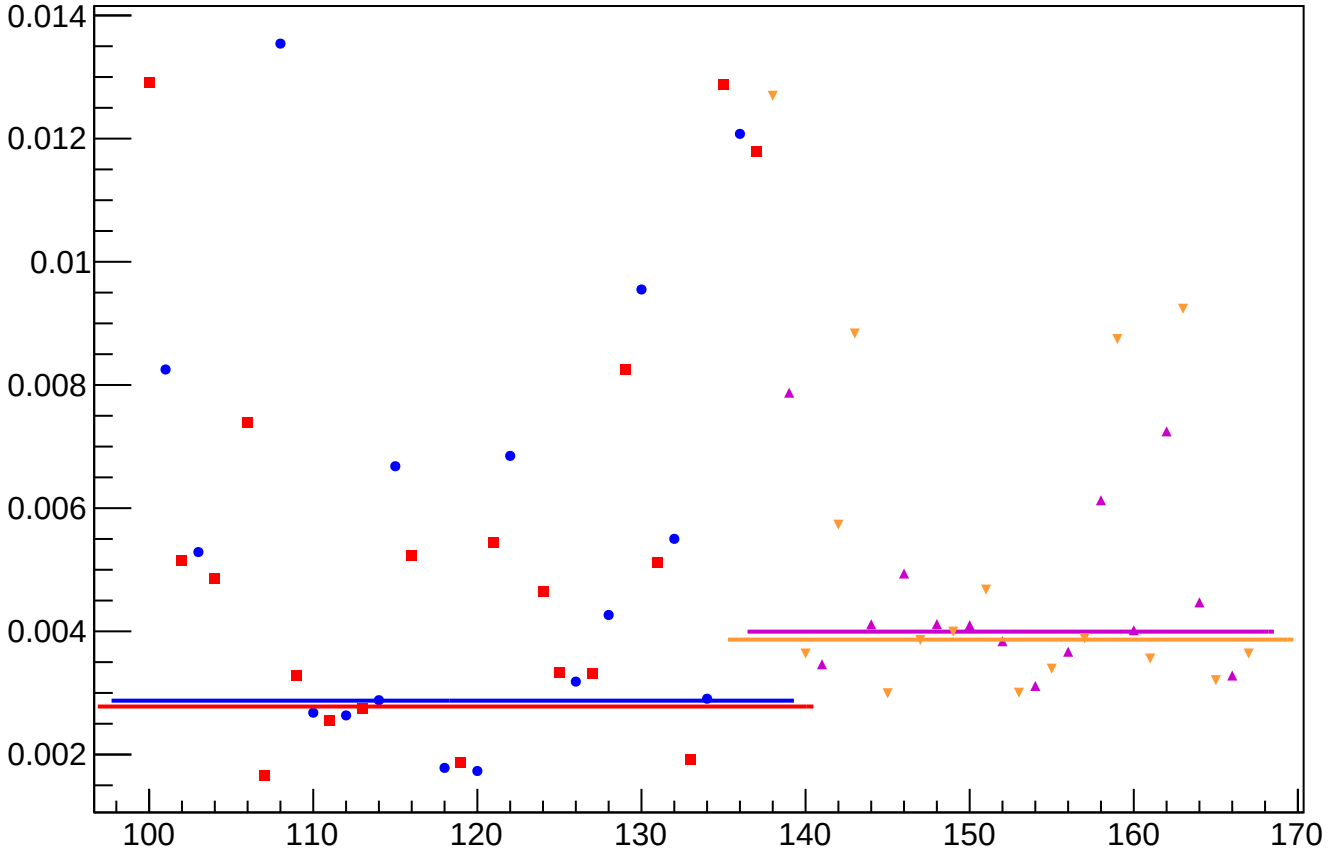
Left: -0.000+/-0.000 χ^2/NDF: 34.9/29

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:36.2/29

Out: -0.000+/-0.000 χ^2/NDF:41.9/34

All: -0.000+/-0.000 χ^2/NDF: 78.1/64



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2824920.6/15

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1143354.4/13

Left: 0.004+/-0.000 χ^2/NDF: 3979211.4/29

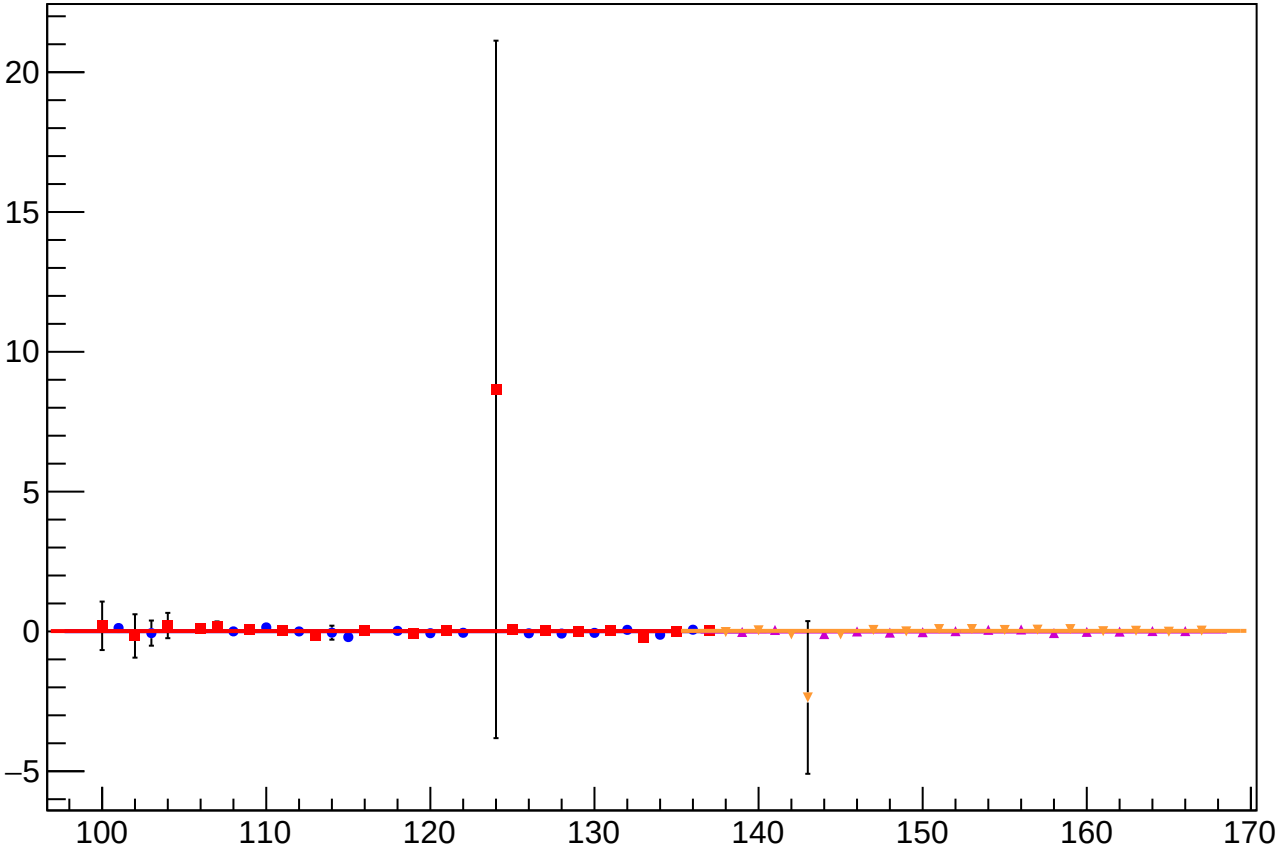
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:6040730.1/29

Out: 0.003+/-0.000 χ^2/NDF:6989242.5/34

All: 0.003+/-0.000 χ^2/NDF: 13048989.2/64

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/29

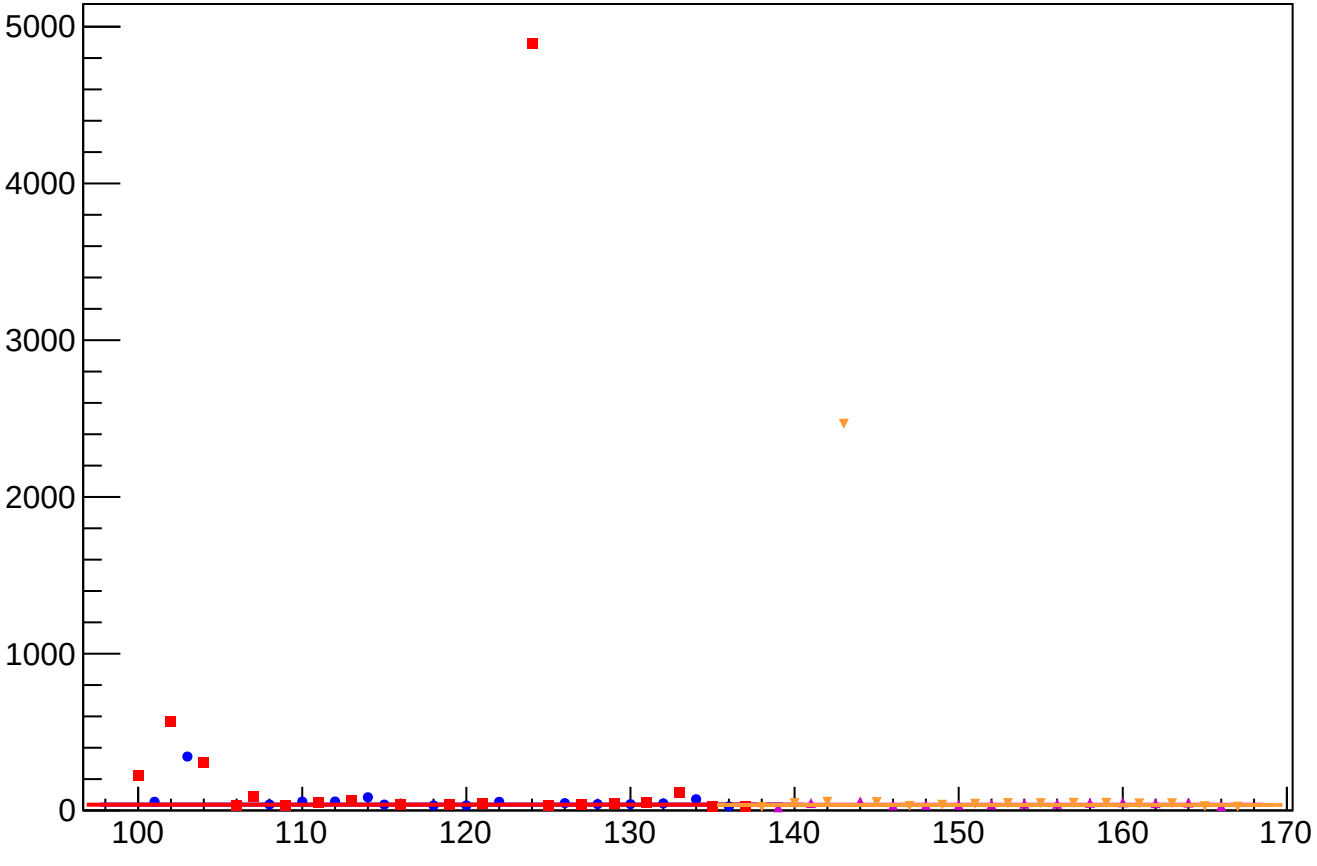
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.009+/-0.007 χ^2/NDF: 61.0/64

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.063+/-0.008 χ^2/NDF:3480090.1/15

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.654+/-0.008 χ^2/NDF:1572840.7/13

Left: 35.816+/-0.006 χ^2/NDF: 5071676.2/29

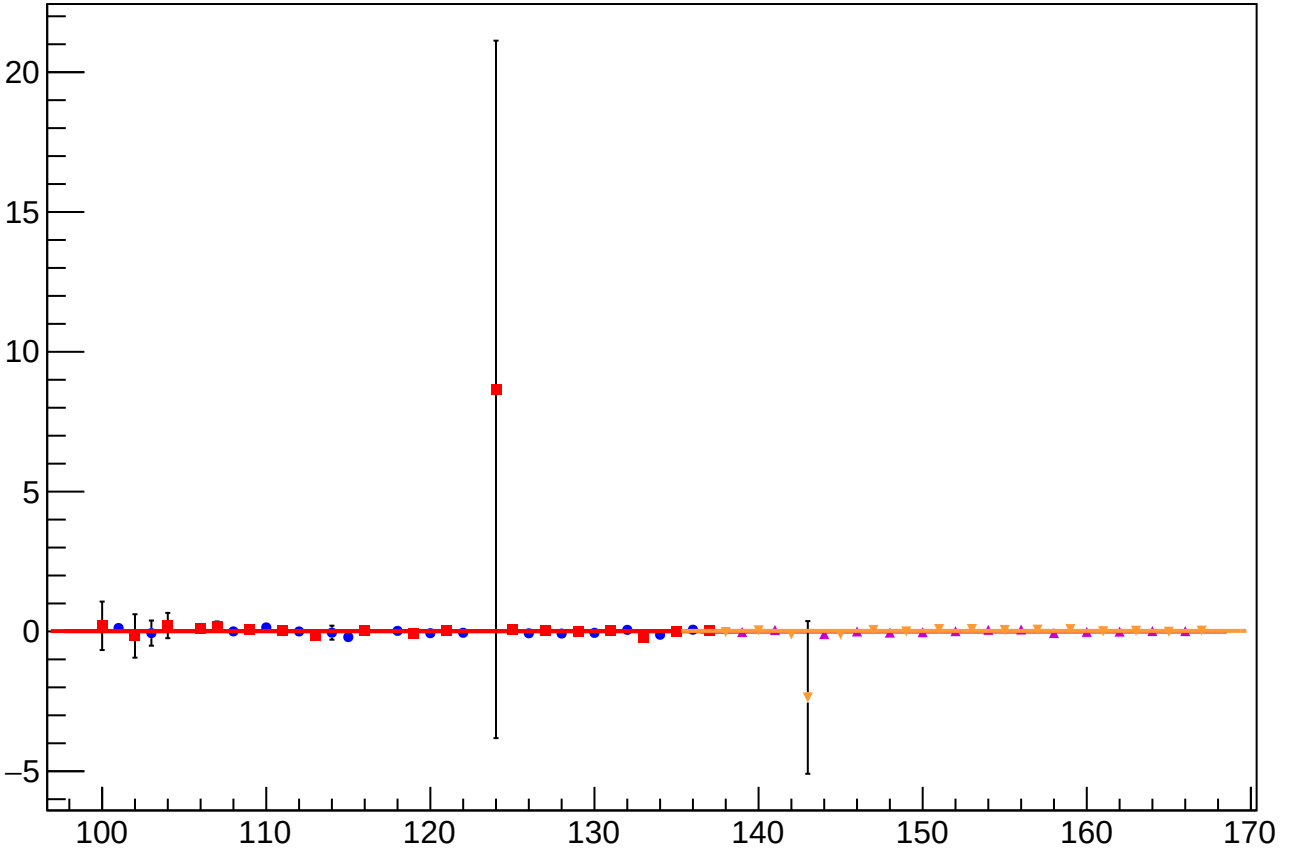
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.953+/-0.007 χ^2/NDF:3559572.8/29

Out: 35.603+/-0.007 χ^2/NDF:6684892.5/34

All: 36.261+/-0.005 χ^2/NDF: 10264820.8/64

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/29

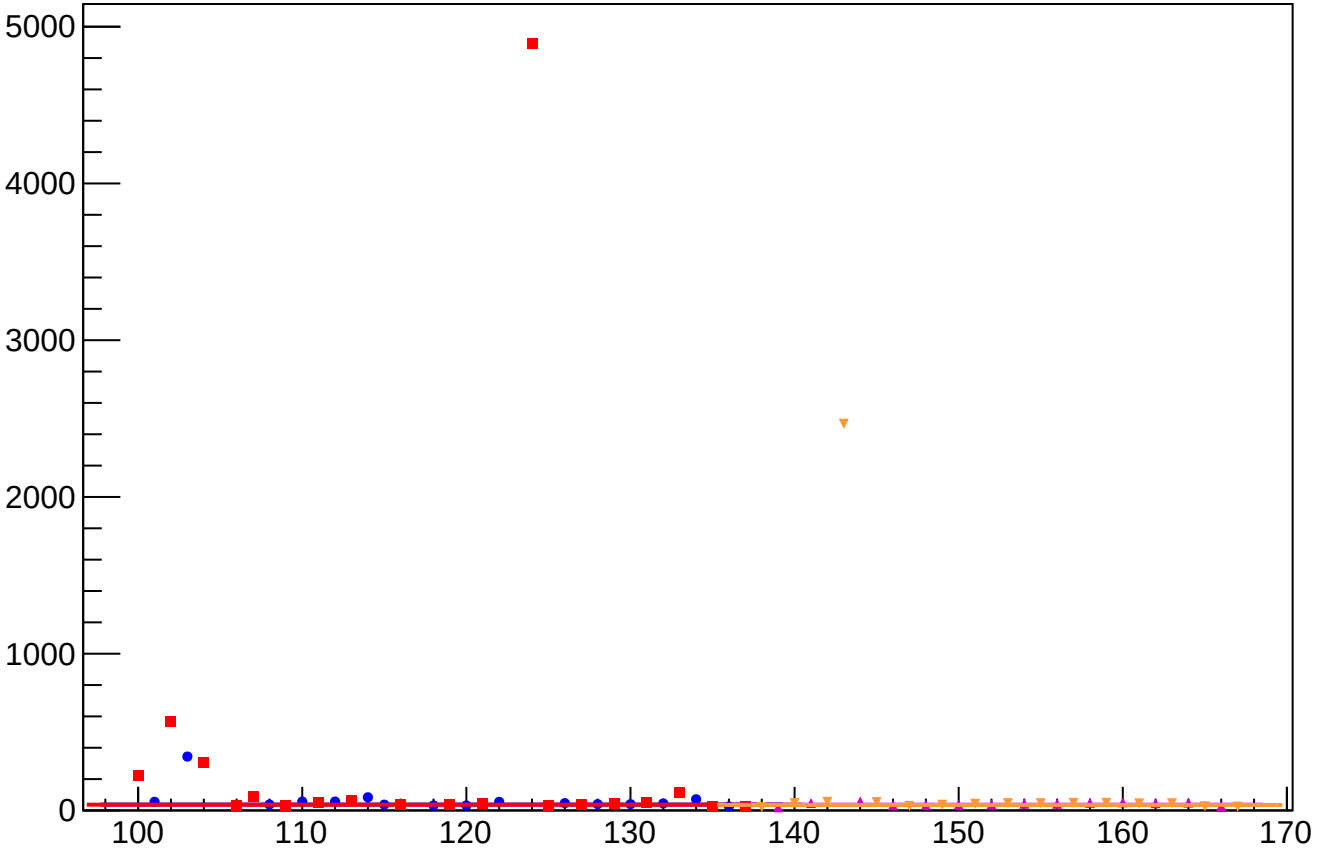
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.009+/-0.007 χ^2/NDF: 61.0/64

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.063+/-0.008 χ^2/NDF:3480090.1/15

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.654+/-0.008 χ^2/NDF:1572840.7/13

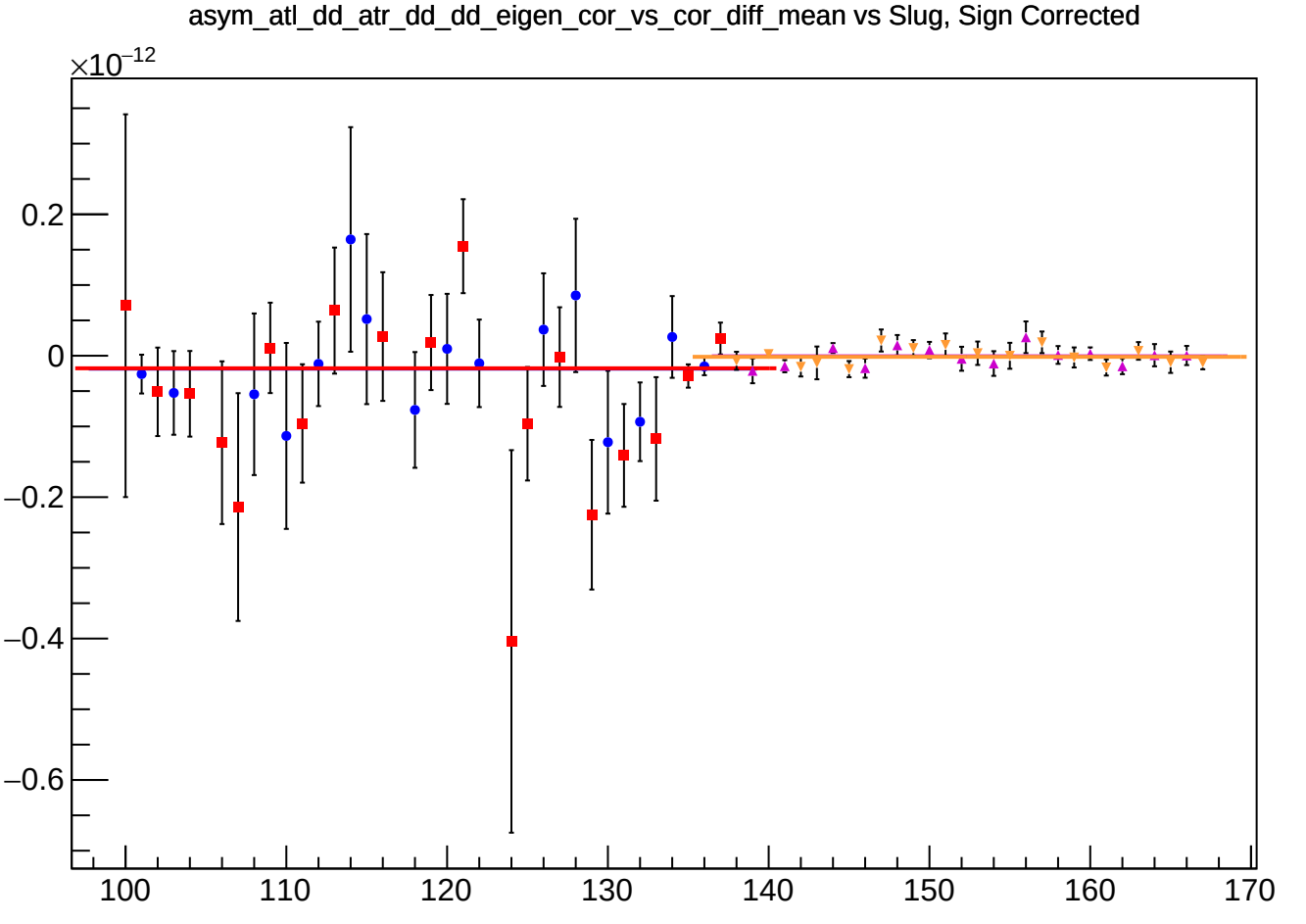
Left: 35.816+/-0.006 χ^2/NDF: 5071676.2/29

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.953+/-0.007 χ^2/NDF:3559572.8/29

Out: 35.603+/-0.007 χ^2/NDF:6684892.5/34

All: 36.261+/-0.005 χ^2/NDF: 10264820.8/64



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/13

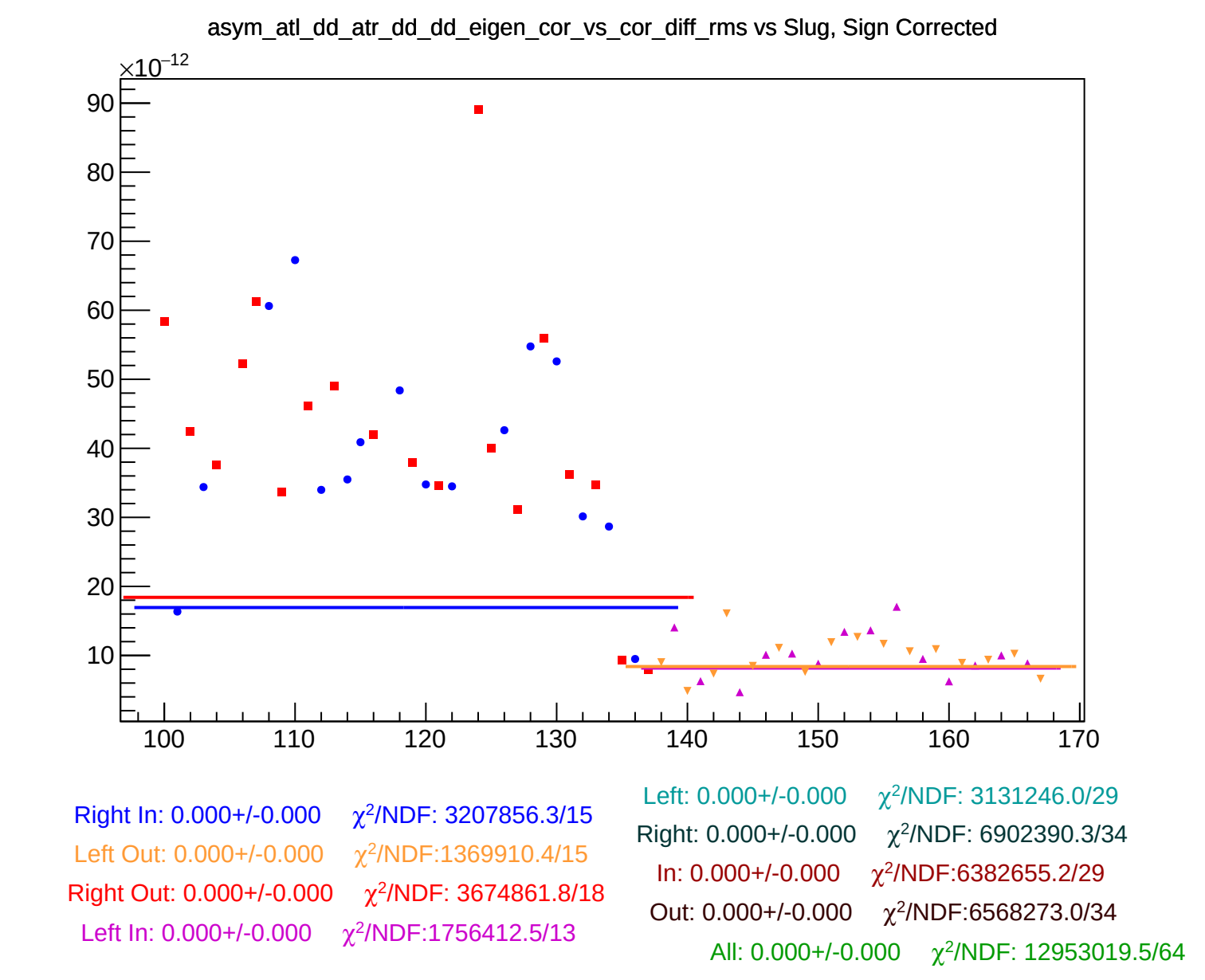
Left: -0.000+/-0.000 χ^2/NDF: 27.3/29

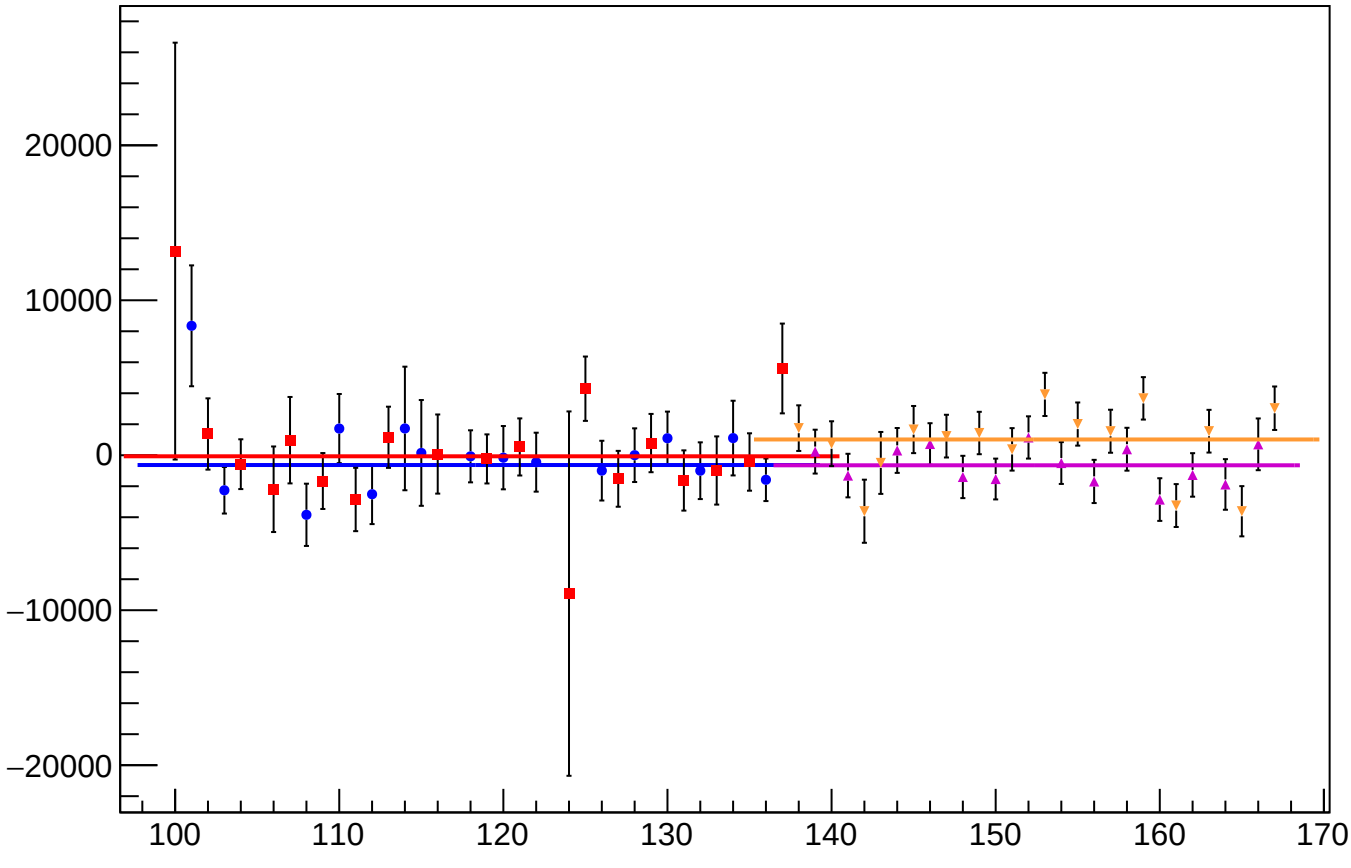
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.7/29

Out: -0.000+/-0.000 χ^2/NDF:42.9/34

All: -0.000+/-0.000 χ^2/NDF: 67.7/64


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1369910.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1756412.5/13
Left: 0.000+/-0.000 χ²/NDF: 3131246.0/29
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6382655.2/29
Out: 0.000+/-0.000 χ²/NDF:6568273.0/34
All: 0.000+/-0.000 χ²/NDF: 12953019.5/64



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.080+/-365.671 χ^2/NDF:35.2/15

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -648.112+/-376.741 χ^2/NDF:9.7/13

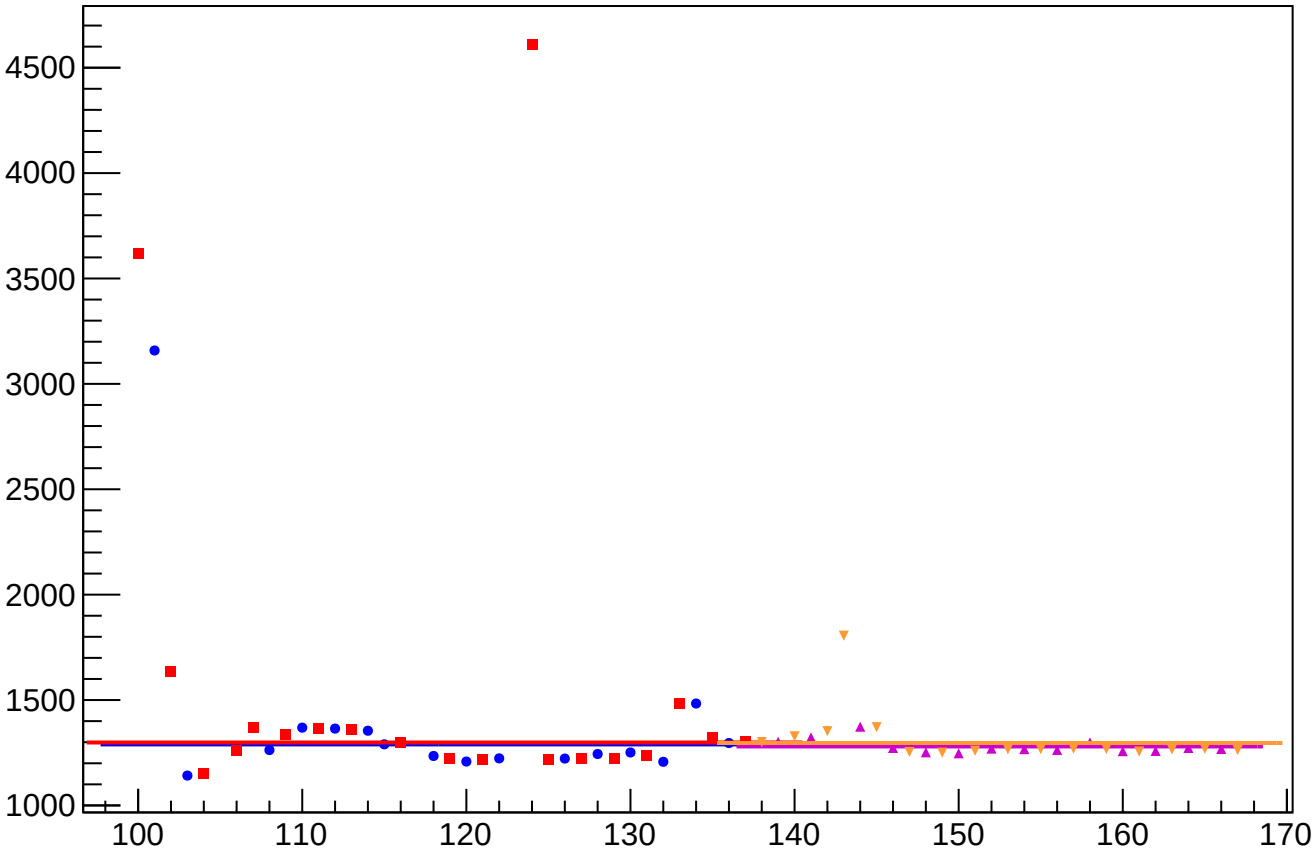
Left: 209.825+/-262.395 χ^2/NDF: 55.0/29

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -641.748+/-298.364 χ^2/NDF:23.6/29

Out: 627.425+/-292.580 χ^2/NDF:54.2/34

All: 5.261+/-208.900 χ^2/NDF: 87.1/64



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

Left: 1288.226+/-0.186 χ^2/NDF: 167441.3/29

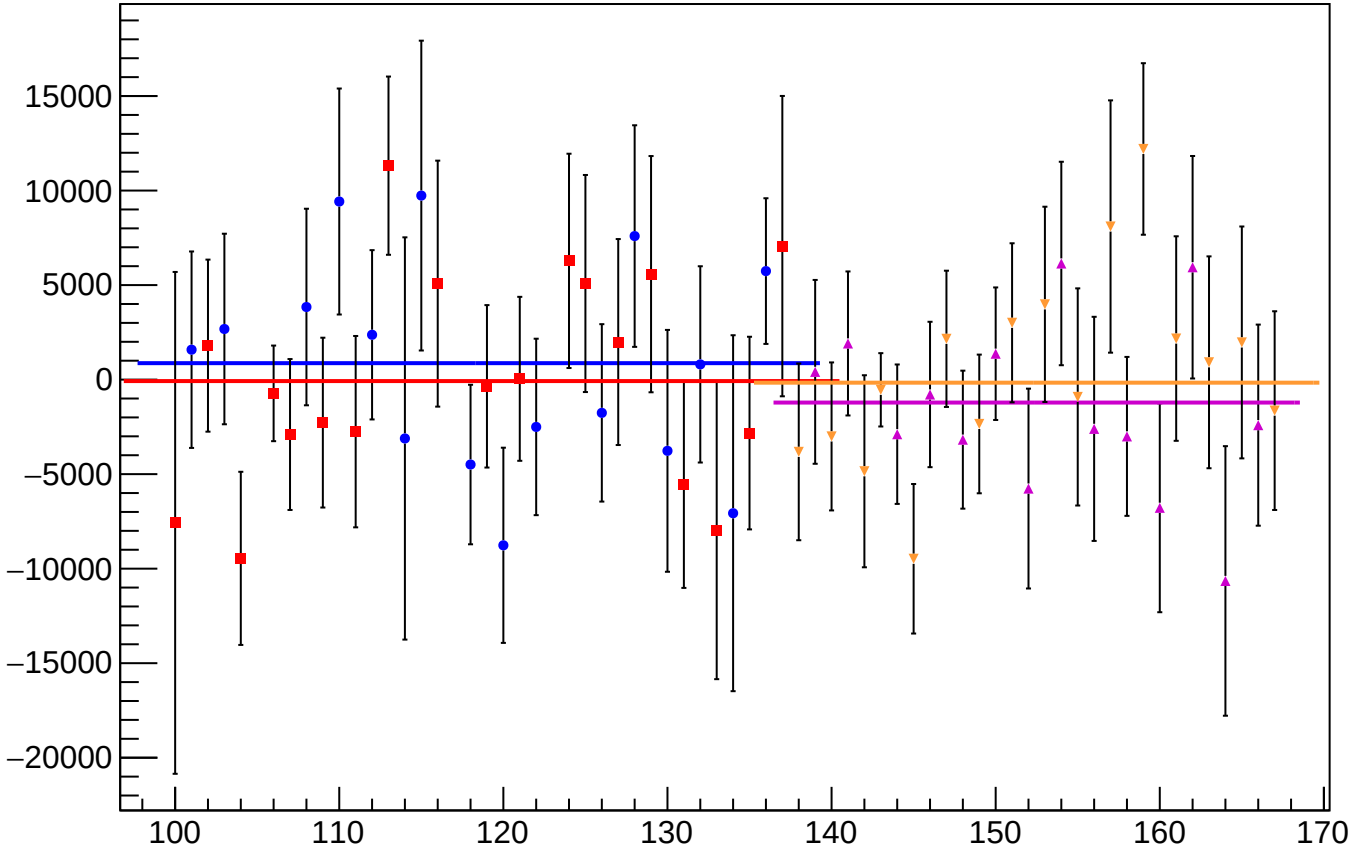
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1283.417+/-0.211 χ^2/NDF:530086.0/29

Out: 1297.050+/-0.207 χ^2/NDF:469995.2/34

All: 1290.373+/-0.148 χ^2/NDF: 1002211.8/64

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -161.938+/-1023.263 χ^2/NDF:19.0/15

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -1214.184+/-1211.879 χ^2/NDF:9.0/13

Left: -599.893+/-781.836 χ^2/NDF: 28.4/29

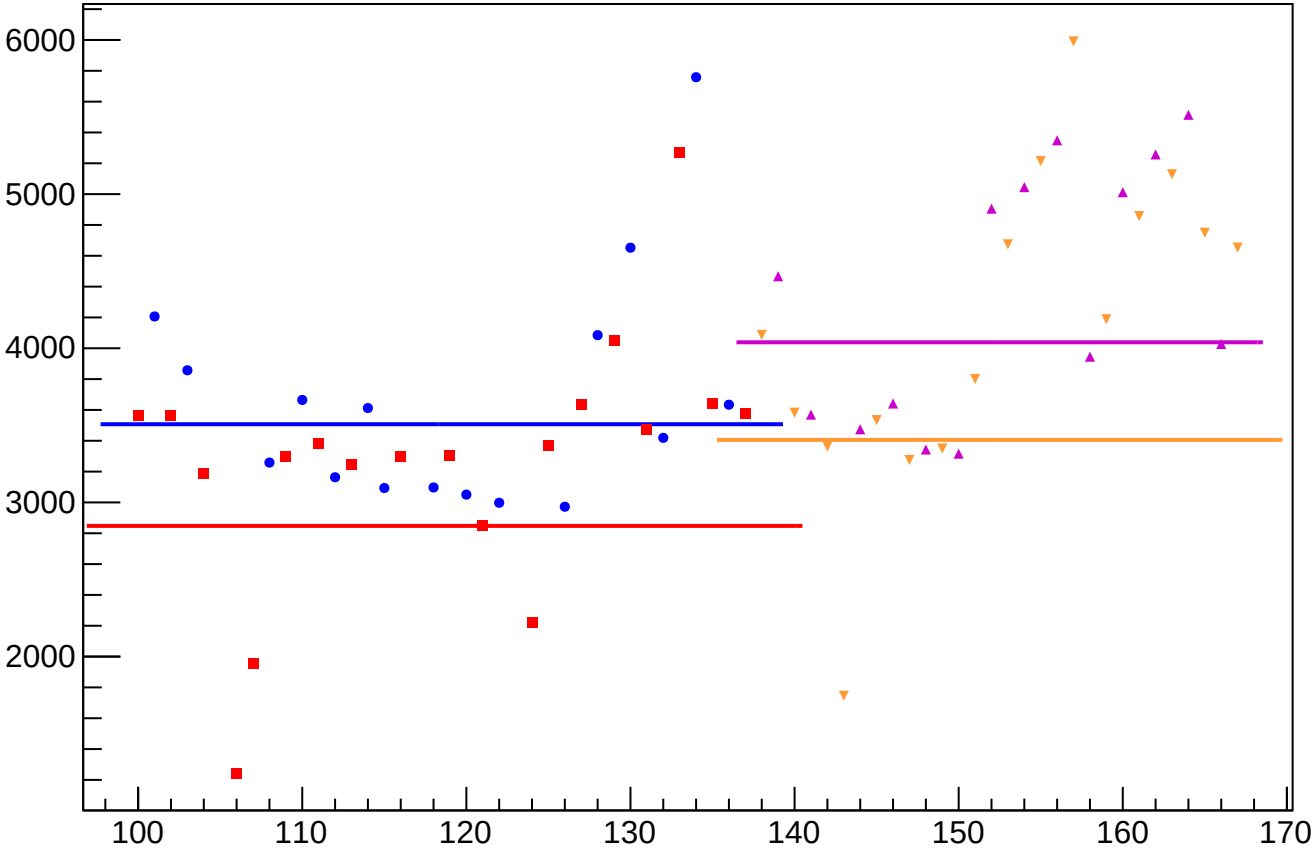
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: -264.925+/-894.336 χ^2/NDF:24.4/29

Out: -123.106+/-752.688 χ^2/NDF:37.3/34

All: -181.908+/-575.878 χ^2/NDF: 61.7/64

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3405.727+/-0.724 χ^2/NDF:2754433.7/15

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4038.851+/-0.857 χ^2/NDF:727704.4/13

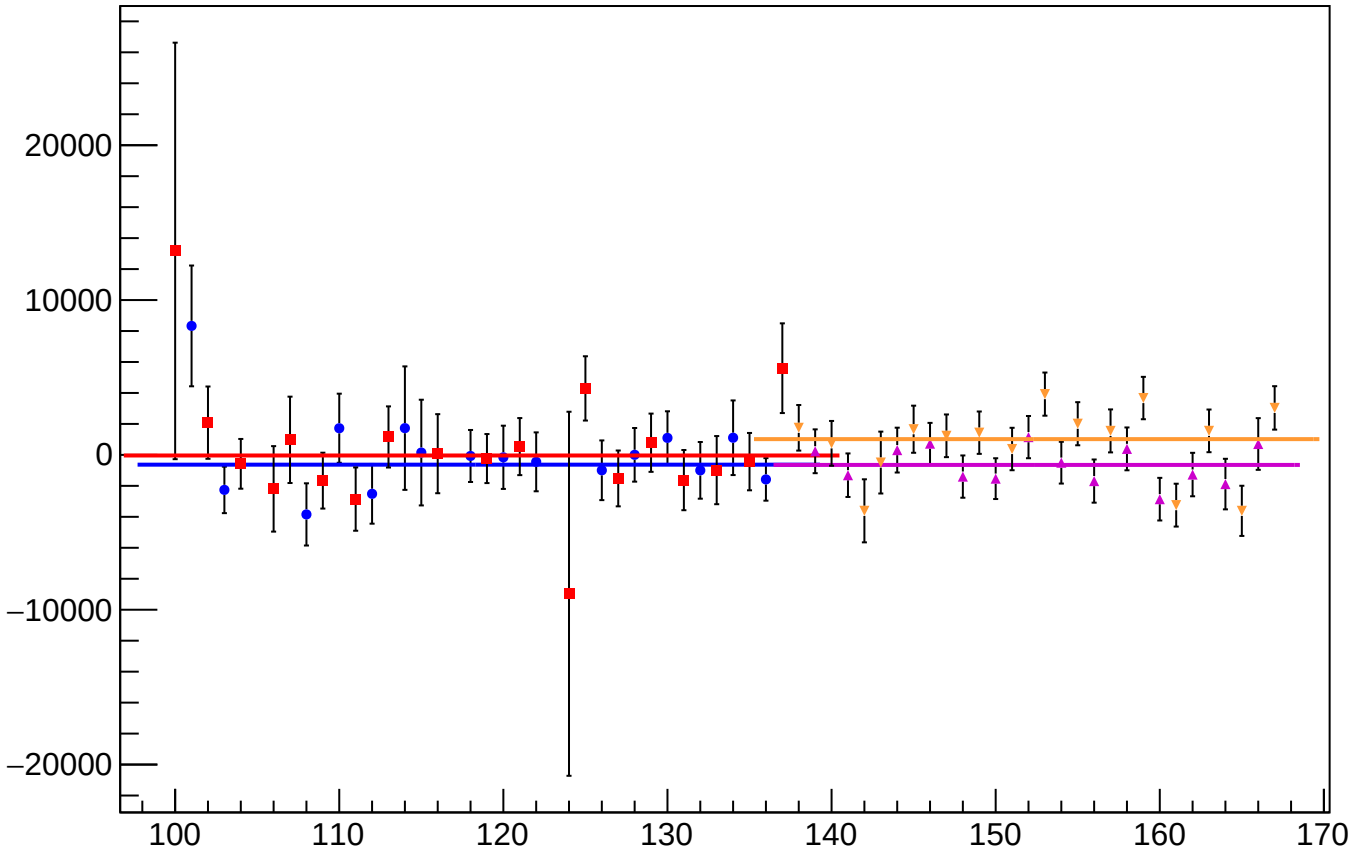
Left: 3669.240+/-0.553 χ^2/NDF: 3800811.6/29

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3796.830+/-0.632 χ^2/NDF:1256841.6/29

Out: 3149.694+/-0.532 χ^2/NDF:4526644.1/34

All: 3418.016+/-0.407 χ^2/NDF: 6396472.7/64



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -648.119+/-376.741 χ^2/NDF:9.7/13

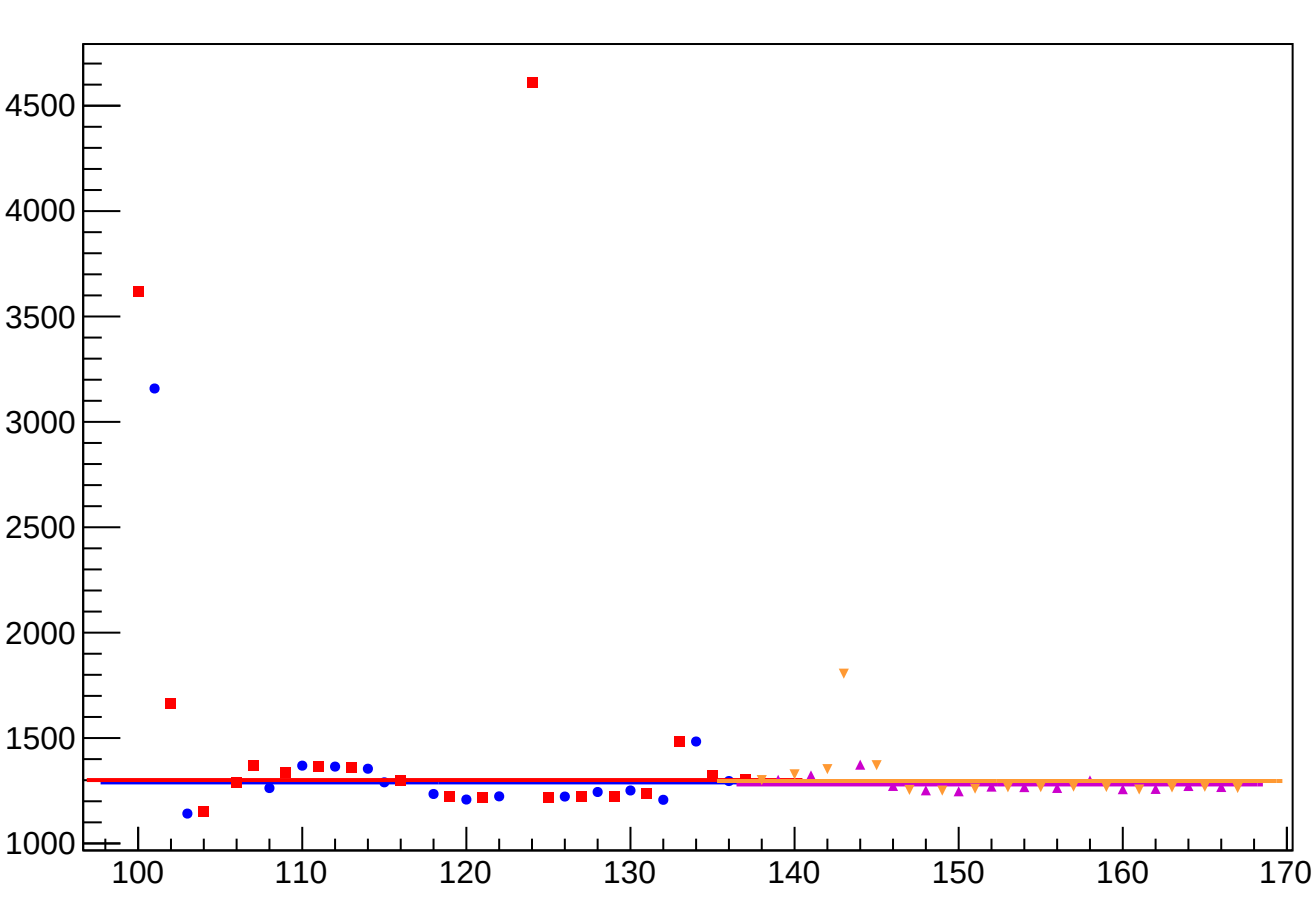
Left: 209.841+/-262.395 χ^2/NDF: 55.0/29

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -641.896+/-298.364 χ^2/NDF:23.6/29

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 10.536+/-208.926 χ^2/NDF: 87.5/64



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

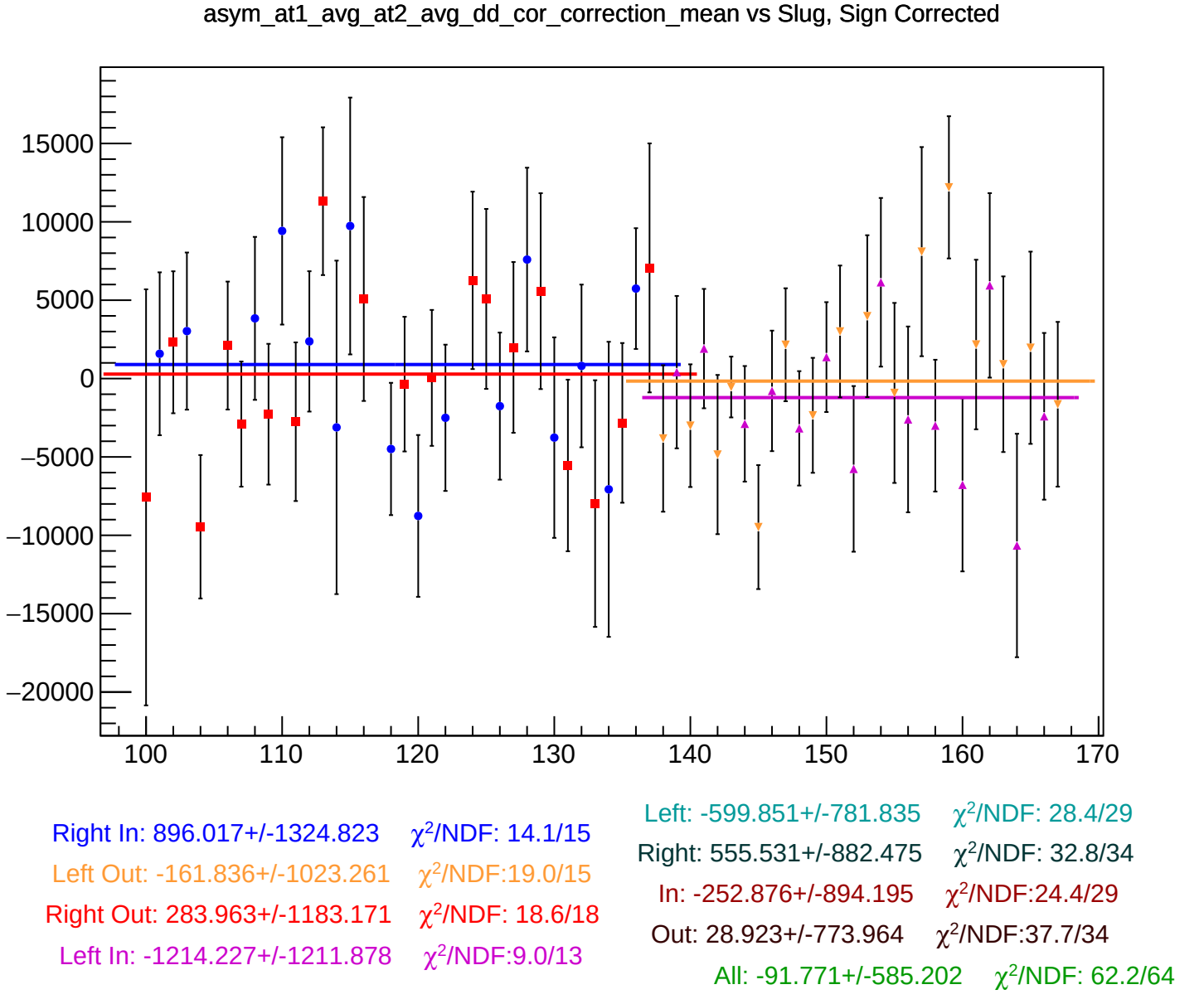
Left: 1288.226+/-0.186 χ^2/NDF: 167441.3/29

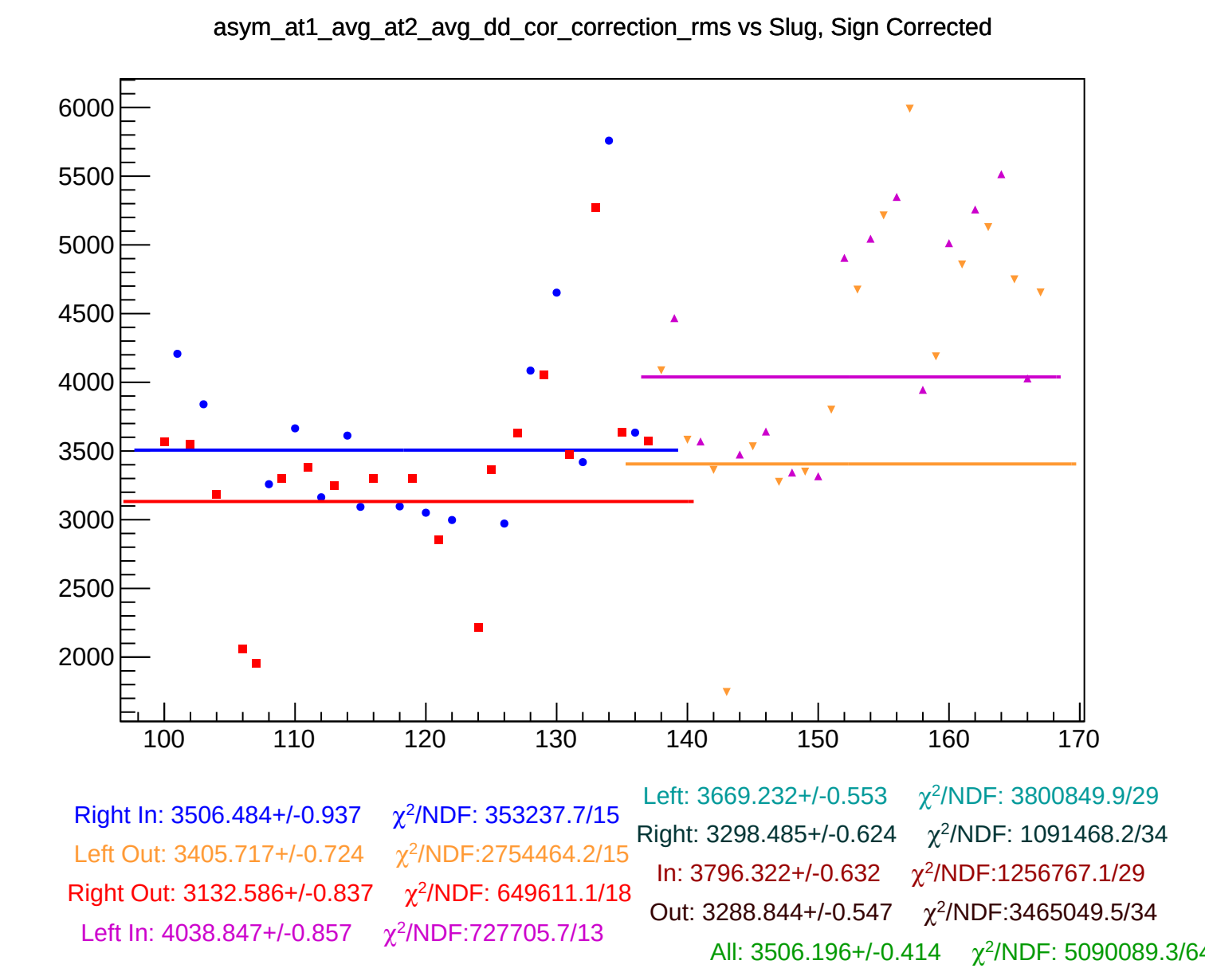
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

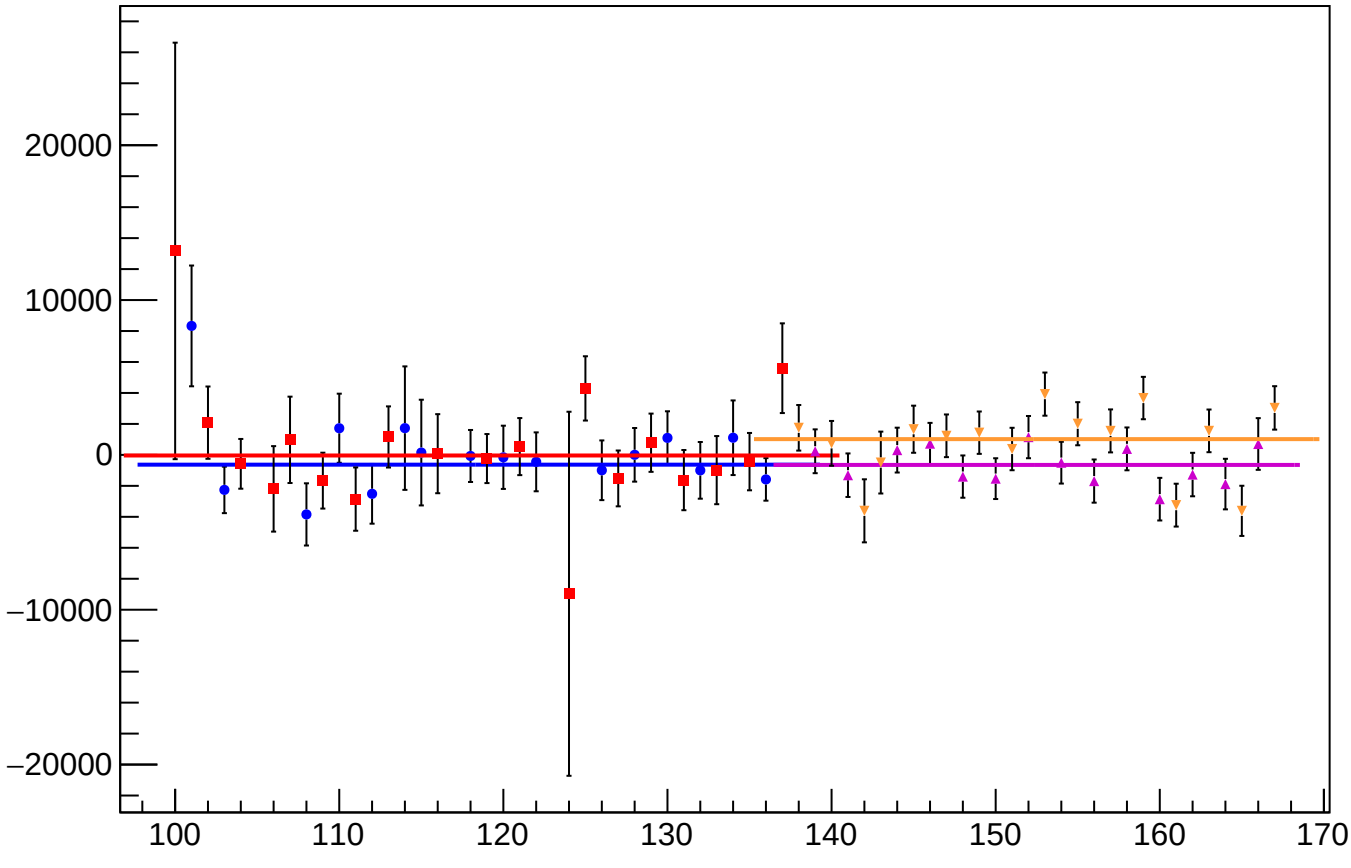
In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.742+/-0.148 χ^2/NDF: 1009056.0/64


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -161.836+/-1023.261 χ²/NDF:19.0/15
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1214.227+/-1211.878 χ²/NDF:9.0/13
Left: -599.851+/-781.835 χ²/NDF: 28.4/29
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -252.876+/-894.195 χ²/NDF:24.4/29
Out: 28.923+/-773.964 χ²/NDF:37.7/34
All: -91.771+/-585.202 χ²/NDF: 62.2/64


asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3405.717+/-0.724 χ²/NDF:2754464.2/15
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4038.847+/-0.857 χ²/NDF:727705.7/13
Left: 3669.232+/-0.553 χ²/NDF: 3800849.9/29
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3796.322+/-0.632 χ²/NDF:1256767.1/29
Out: 3288.844+/-0.547 χ²/NDF:3465049.5/34
All: 3506.196+/-0.414 χ²/NDF: 5090089.3/64



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -648.119+/-376.741 χ^2/NDF:9.7/13

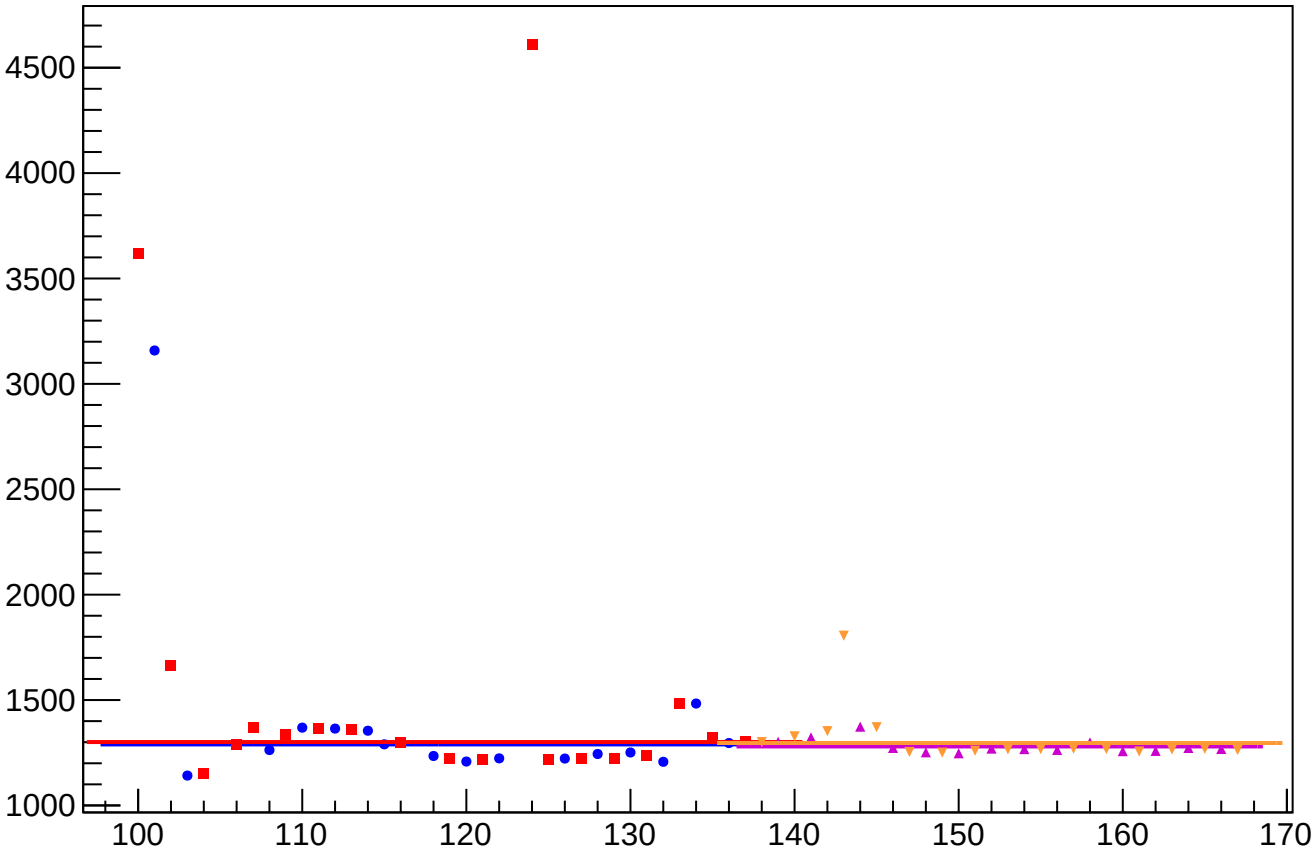
Left: 209.841+/-262.395 χ^2/NDF: 55.0/29

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -641.896+/-298.364 χ^2/NDF:23.6/29

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 10.536+/-208.926 χ^2/NDF: 87.5/64



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

Left: 1288.226+/-0.186 χ^2/NDF: 167441.3/29

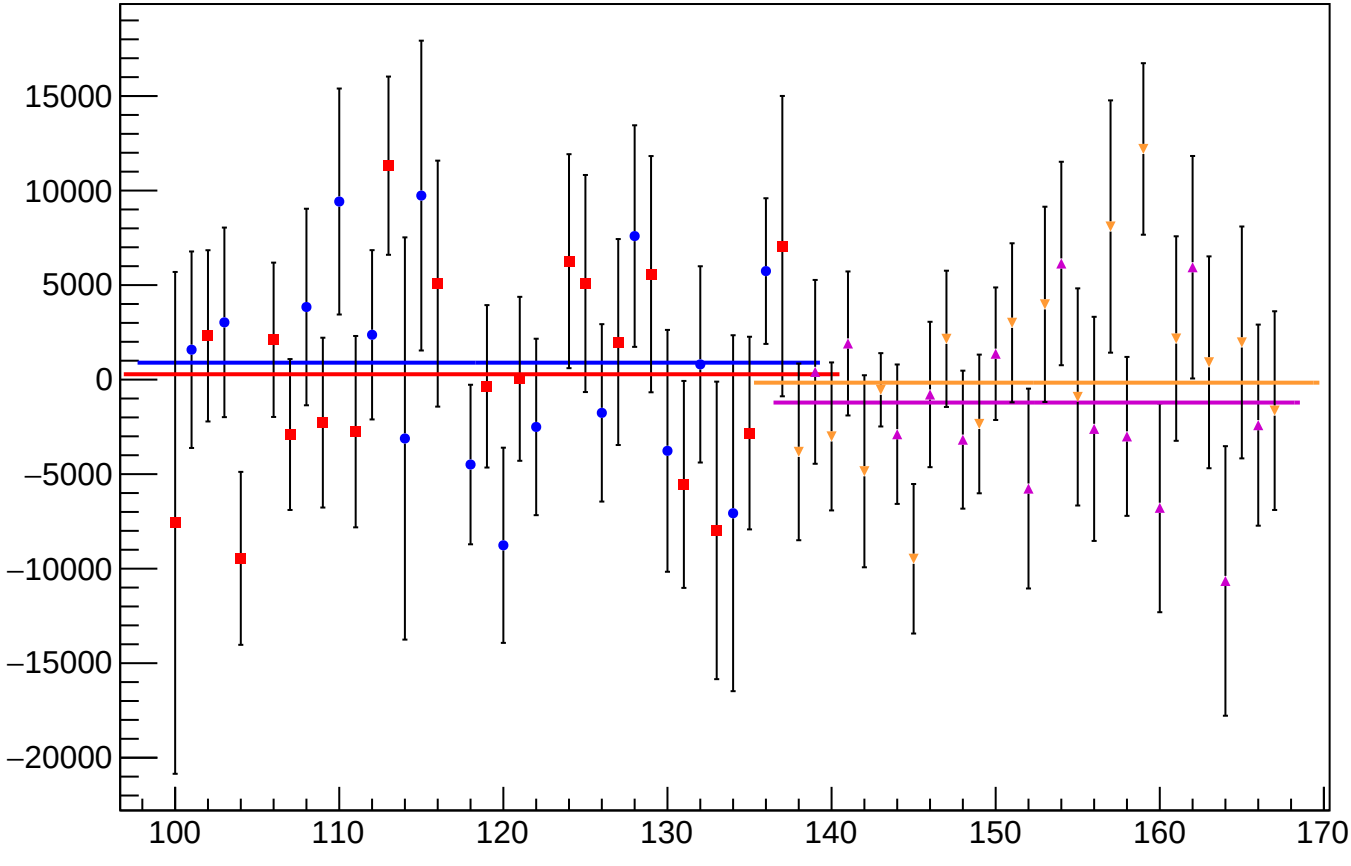
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.742+/-0.148 χ^2/NDF: 1009056.0/64

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF:19.0/15

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1214.227+/-1211.878 χ^2/NDF:9.0/13

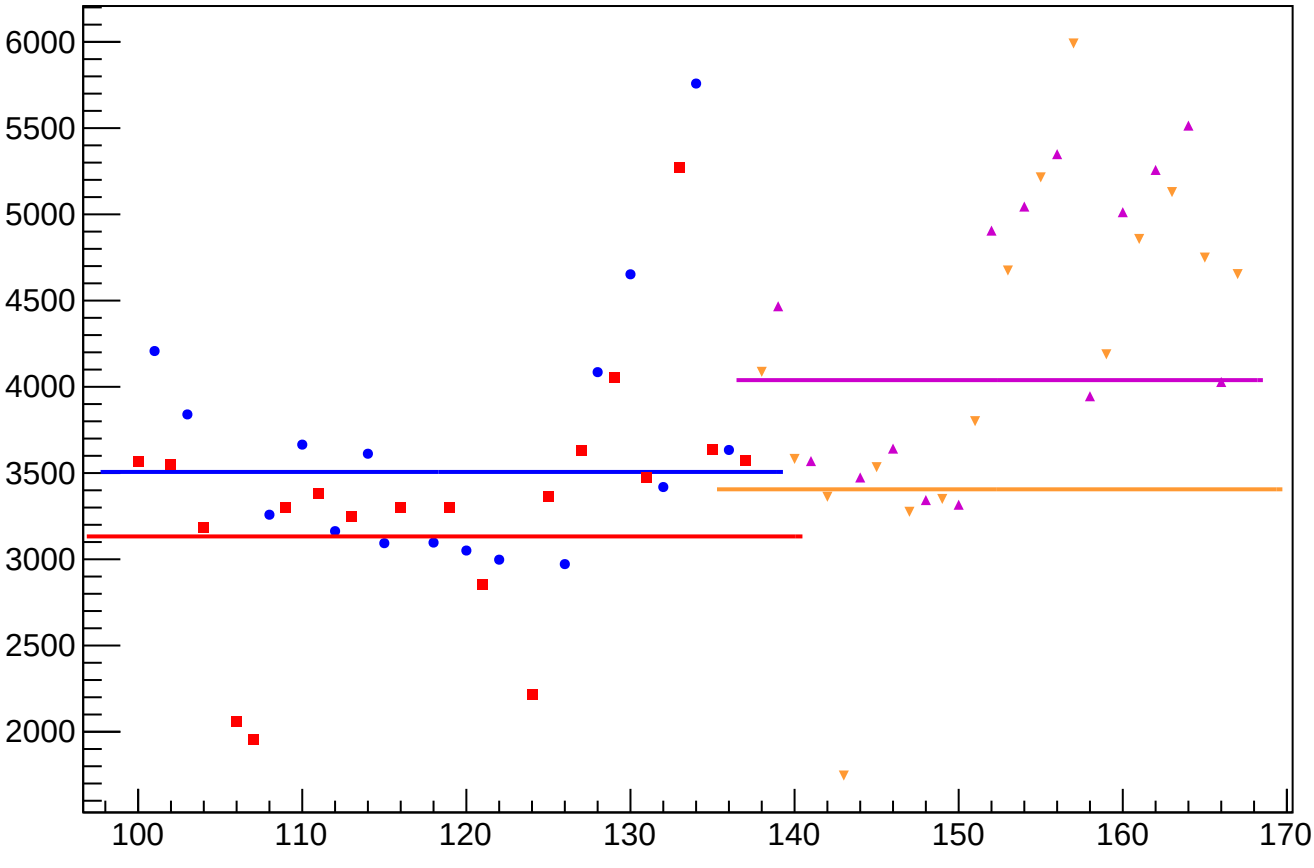
Left: -599.851+/-781.835 χ^2/NDF: 28.4/29

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -252.876+/-894.195 χ^2/NDF:24.4/29

Out: 28.923+/-773.964 χ^2/NDF:37.7/34

All: -91.771+/-585.202 χ^2/NDF: 62.2/64



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4038.847+/-0.857 χ^2/NDF:727705.7/13

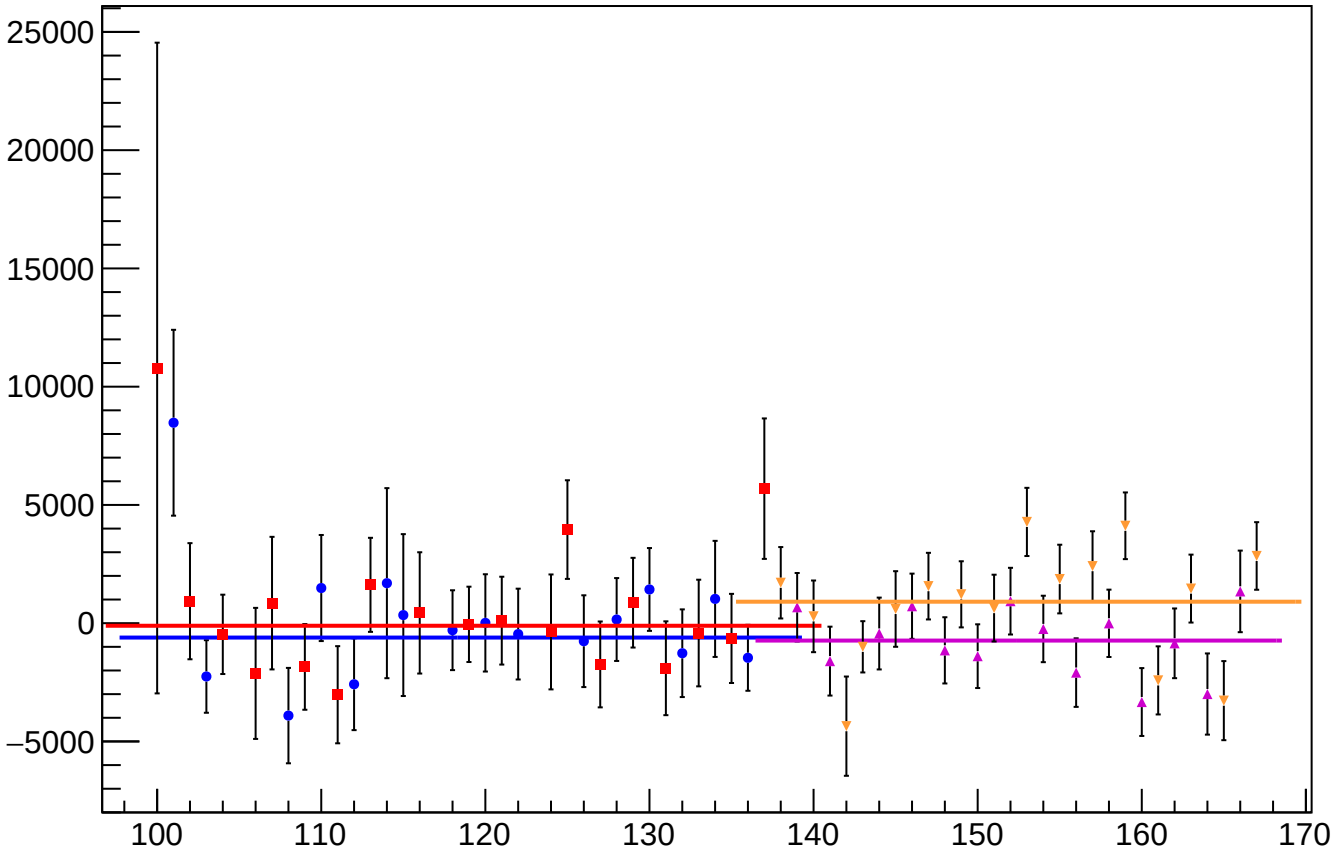
Left: 3669.232+/-0.553 χ^2/NDF: 3800849.9/29

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3796.322+/-0.632 χ^2/NDF:1256767.1/29

Out: 3288.844+/-0.547 χ^2/NDF:3465049.5/34

All: 3506.196+/-0.414 χ^2/NDF: 5090089.3/64



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.293+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -735.092+/-390.137 χ^2/NDF:11.9/13

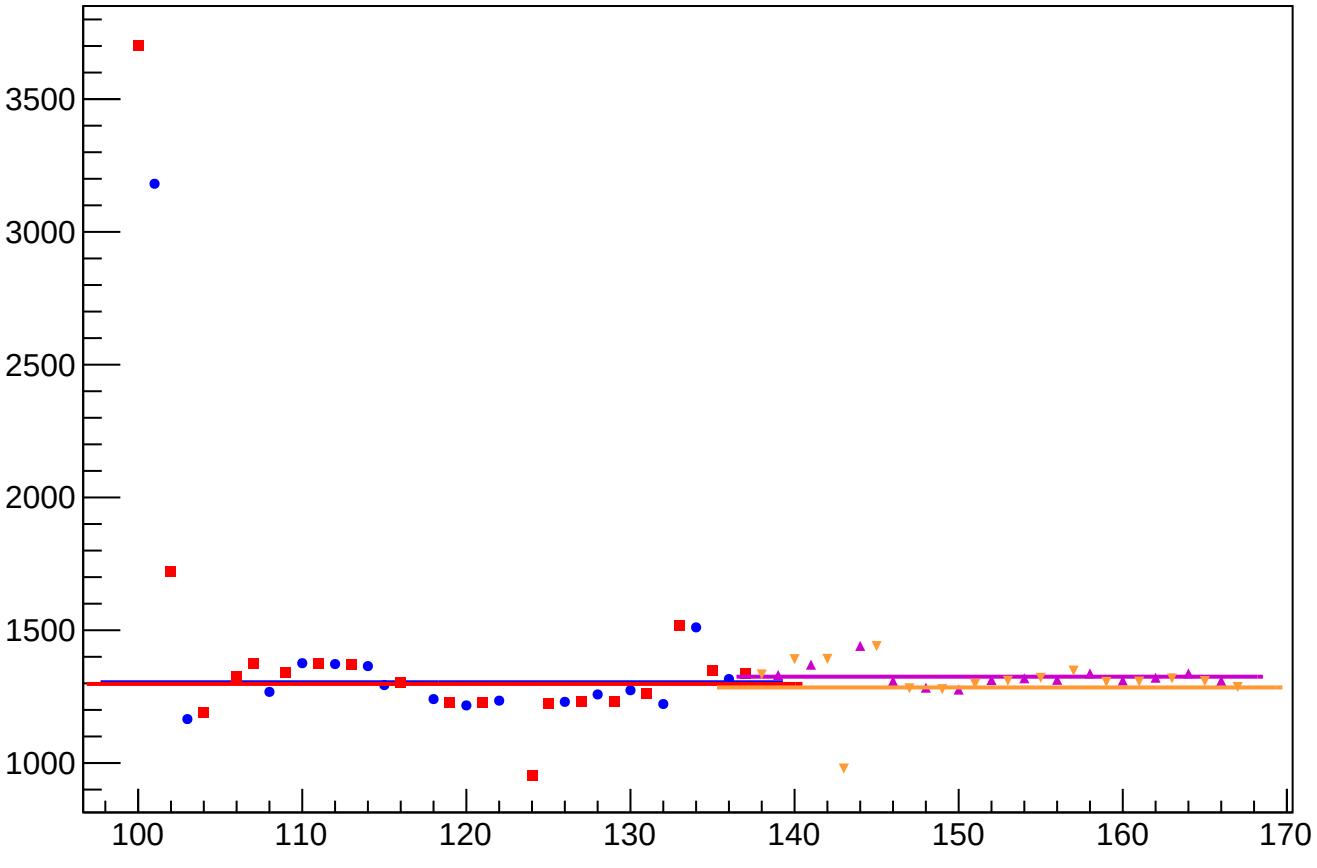
Left: 146.086+/-265.696 χ^2/NDF: 57.3/29

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -686.230+/-306.214 χ^2/NDF:26.1/29

Out: 543.905+/-290.655 χ^2/NDF:53.6/34

All: -39.118+/-210.810 χ^2/NDF: 88.1/64



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.622+/-0.257 χ^2/NDF:203050.2/15

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.084+/-0.276 χ^2/NDF:19191.5/13

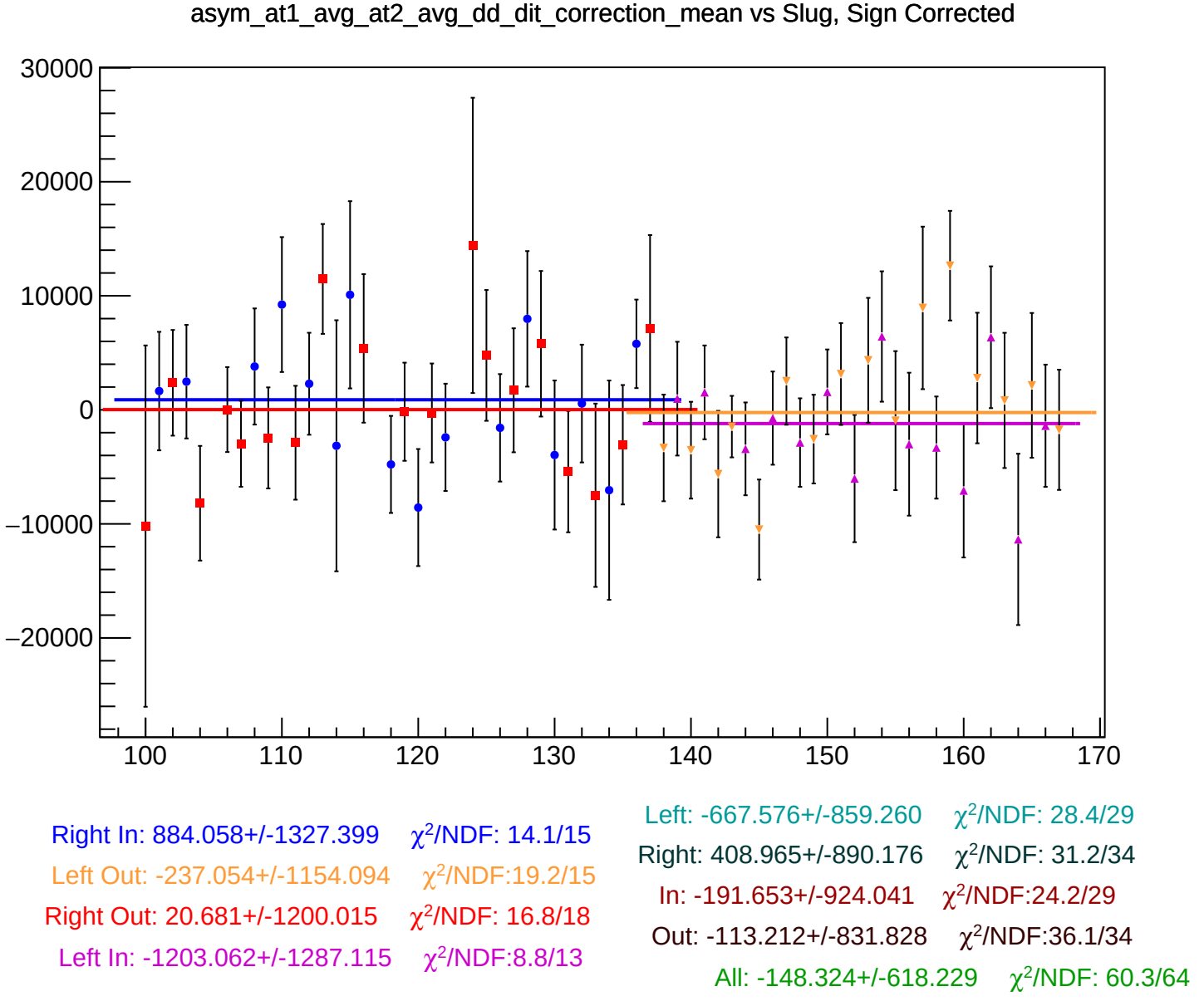
Left: 1303.388+/-0.188 χ^2/NDF: 233776.5/29

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1317.028+/-0.217 χ^2/NDF:532001.9/29

Out: 1289.347+/-0.205 χ^2/NDF:417092.7/34

All: 1302.463+/-0.149 χ^2/NDF: 957694.1/64


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
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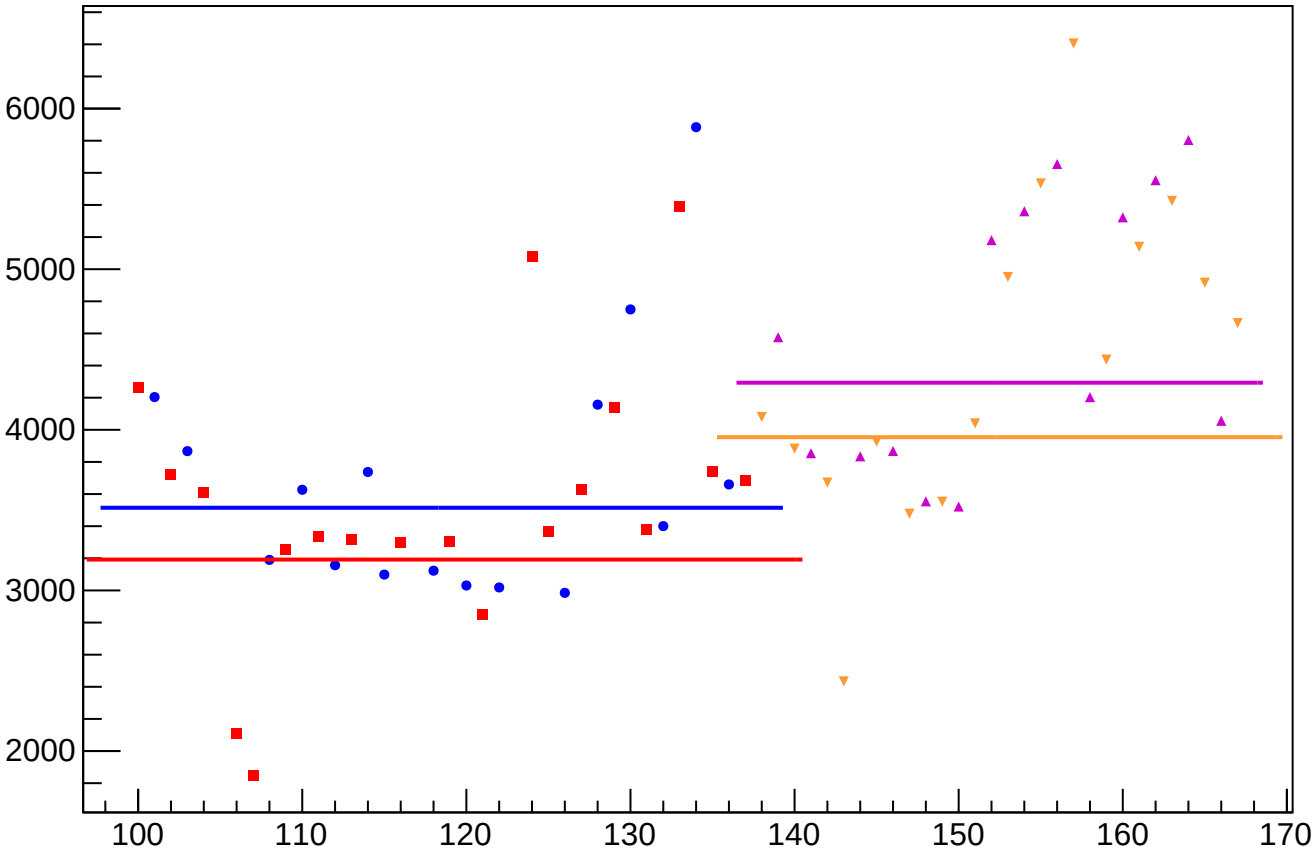
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -237.054+/-1154.094 χ²/NDF:19.2/15
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1203.062+/-1287.115 χ²/NDF:8.8/13
Left: -667.576+/-859.260 χ²/NDF: 28.4/29
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -191.653+/-924.041 χ²/NDF:24.2/29
Out: -113.212+/-831.828 χ²/NDF:36.1/34
All: -148.324+/-618.229 χ²/NDF: 60.3/64


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
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2000
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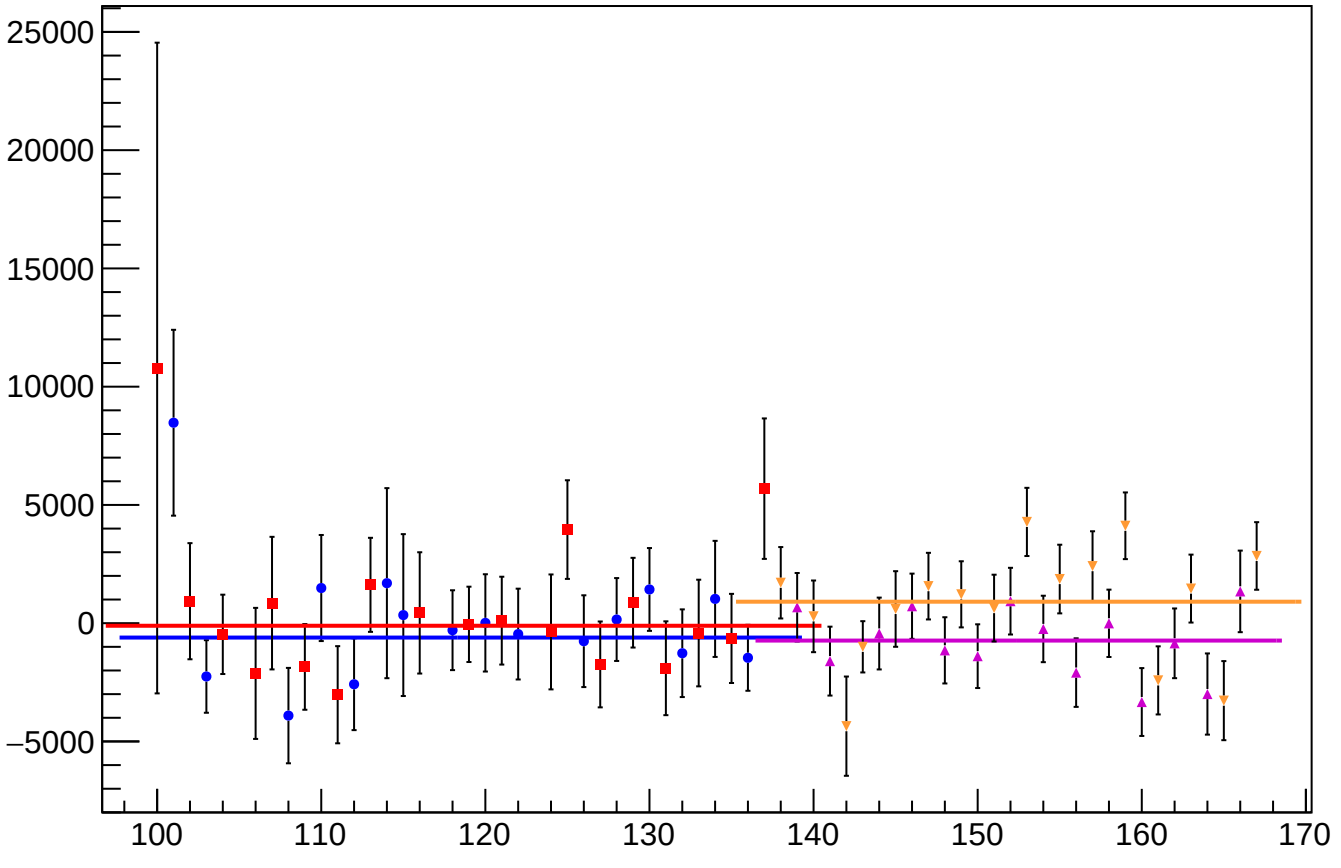
130
140
150
160
170
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3954.074+/-0.816 χ²/NDF:1444498.7/15
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4293.404+/-0.910 χ²/NDF:678584.3/13
Left: 4105.304+/-0.608 χ²/NDF: 2200139.0/29
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3916.069+/-0.653 χ²/NDF:1408369.1/29
Out: 3587.995+/-0.588 χ²/NDF:2635791.7/34
All: 3734.850+/-0.437 χ²/NDF: 4183420.4/64



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.299+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -735.094+/-390.138 χ^2/NDF:11.9/13

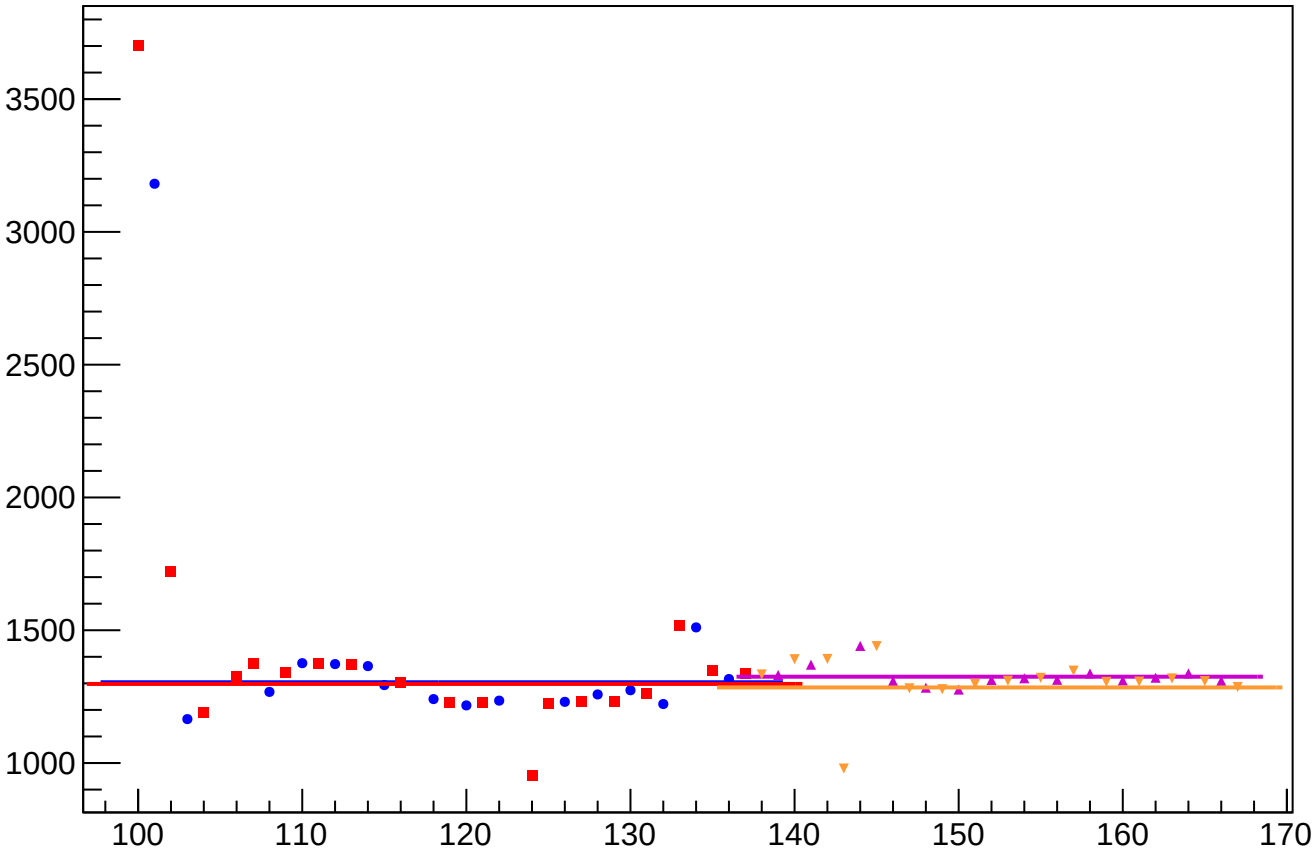
Left: 146.089+/-265.696 χ^2/NDF: 57.3/29

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -686.232+/-306.214 χ^2/NDF:26.1/29

Out: 543.906+/-290.655 χ^2/NDF:53.6/34

All: -39.118+/-210.810 χ^2/NDF: 88.1/64


eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
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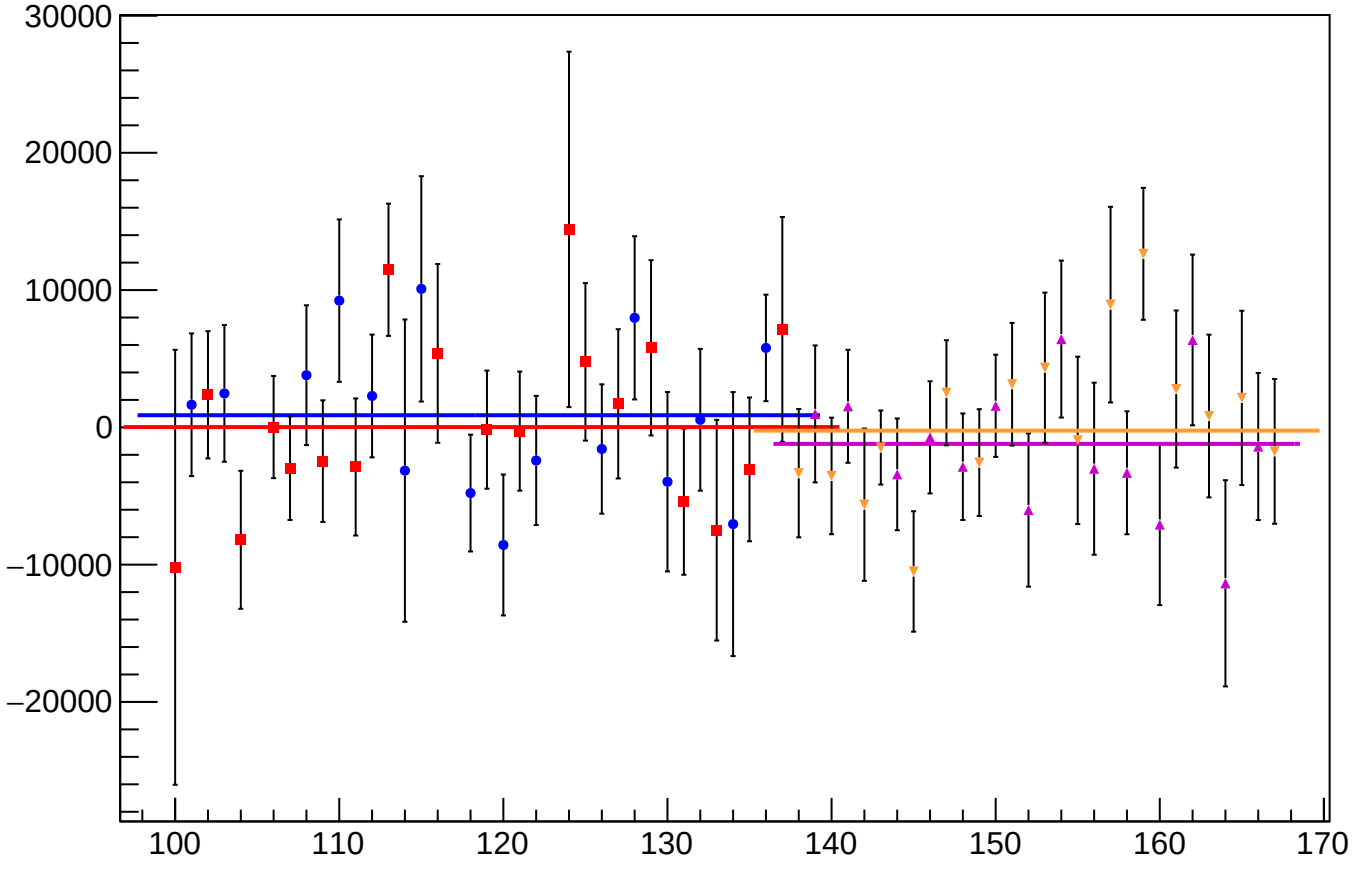
110
120
130
140
150
160
170
Right In: 1304.102+/-0.349 χ²/NDF: 510589.6/15
Left Out: 1284.623+/-0.257 χ²/NDF:203050.9/15
Right Out: 1297.796+/-0.343 χ²/NDF: 213097.0/18
Left In: 1325.085+/-0.276 χ²/NDF:19191.6/13
Left: 1303.390+/-0.188 χ²/NDF: 233777.4/29
Right: 1300.891+/-0.245 χ²/NDF: 723852.4/34
In: 1317.029+/-0.217 χ²/NDF:532002.4/29
Out: 1289.348+/-0.205 χ²/NDF:417093.3/34
All: 1302.464+/-0.149 χ²/NDF: 957695.3/64

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -237.050+/-1154.096 χ^2/NDF:19.2/15

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1203.061+/-1287.117 χ^2/NDF:8.8/13

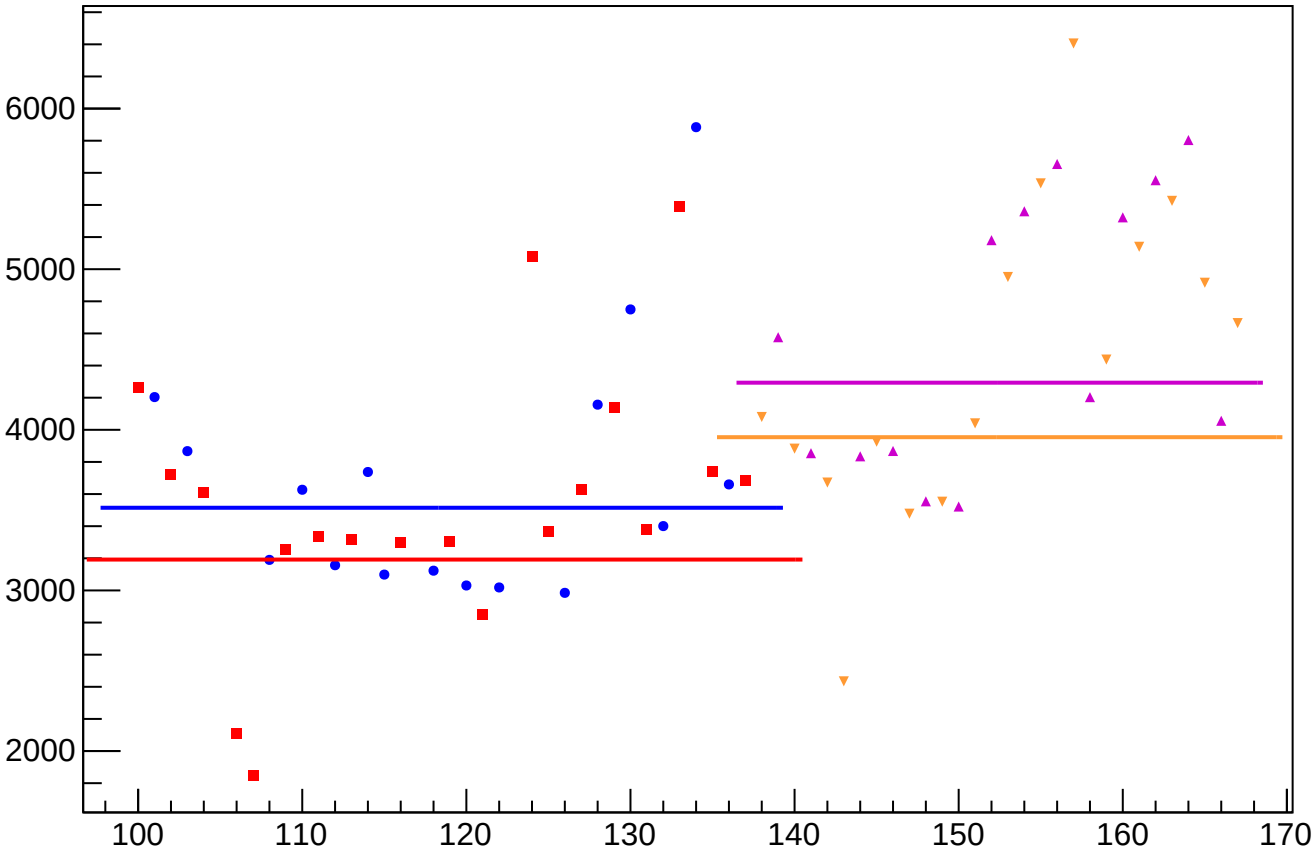
Left: -667.574+/-859.262 χ^2/NDF: 28.4/29

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -191.653+/-924.041 χ^2/NDF:24.2/29

Out: -113.211+/-831.828 χ^2/NDF:36.1/34

All: -148.324+/-618.229 χ^2/NDF: 60.3/64



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3954.080+/-0.816 χ^2/NDF:1444500.9/15

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4293.410+/-0.910 χ^2/NDF:678585.8/13

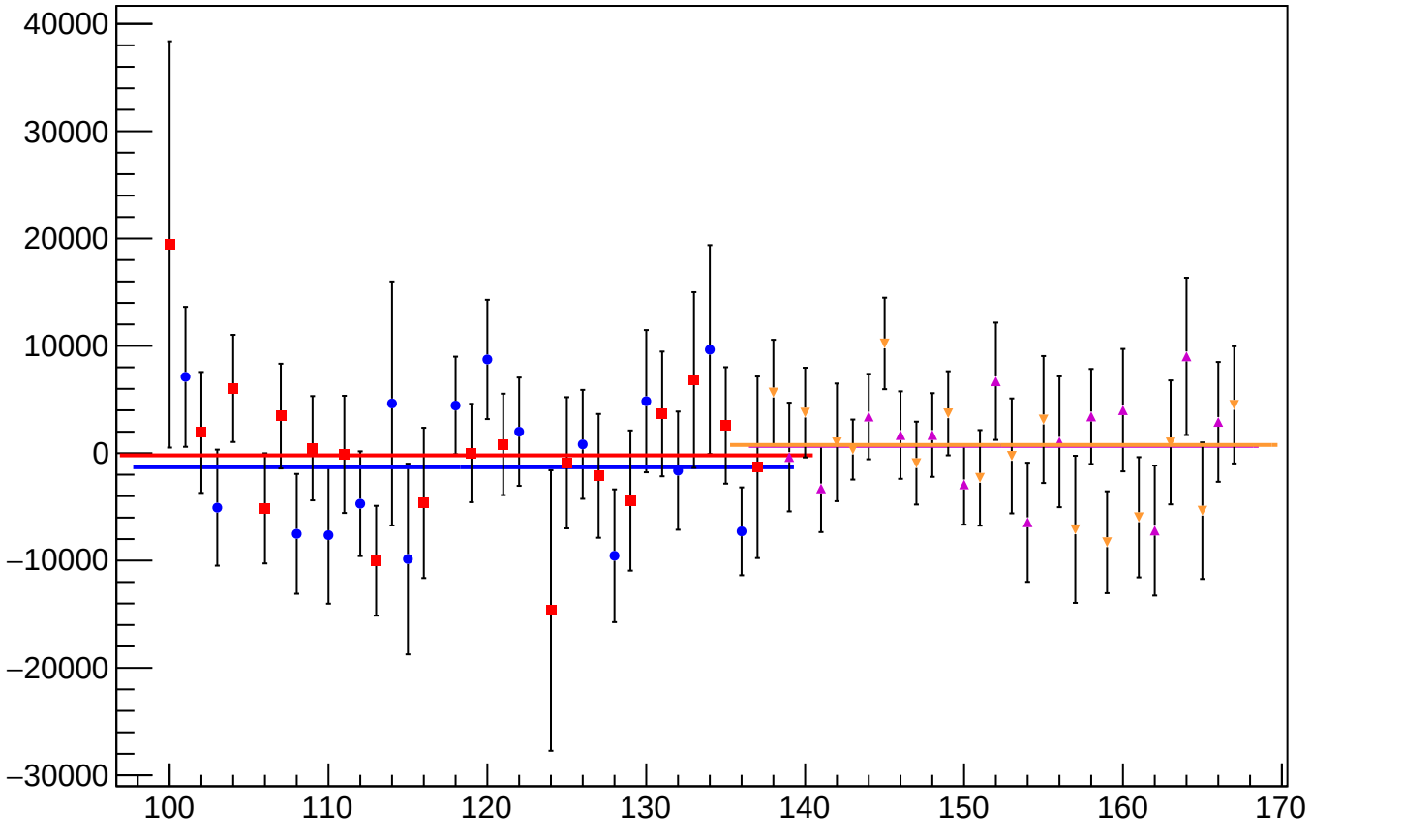
Left: 4105.310+/-0.608 χ^2/NDF: 2200142.6/29

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3916.067+/-0.653 χ^2/NDF:1408389.1/29

Out: 3587.992+/-0.588 χ^2/NDF:2635811.6/34

All: 3734.847+/-0.437 χ^2/NDF: 4183460.0/64



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 770.252+/-1156.771 χ^2/NDF:15.7/15

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 681.934+/-1277.622 χ^2/NDF:9.2/13

Left: 730.466+/-857.511 χ^2/NDF: 25.0/29

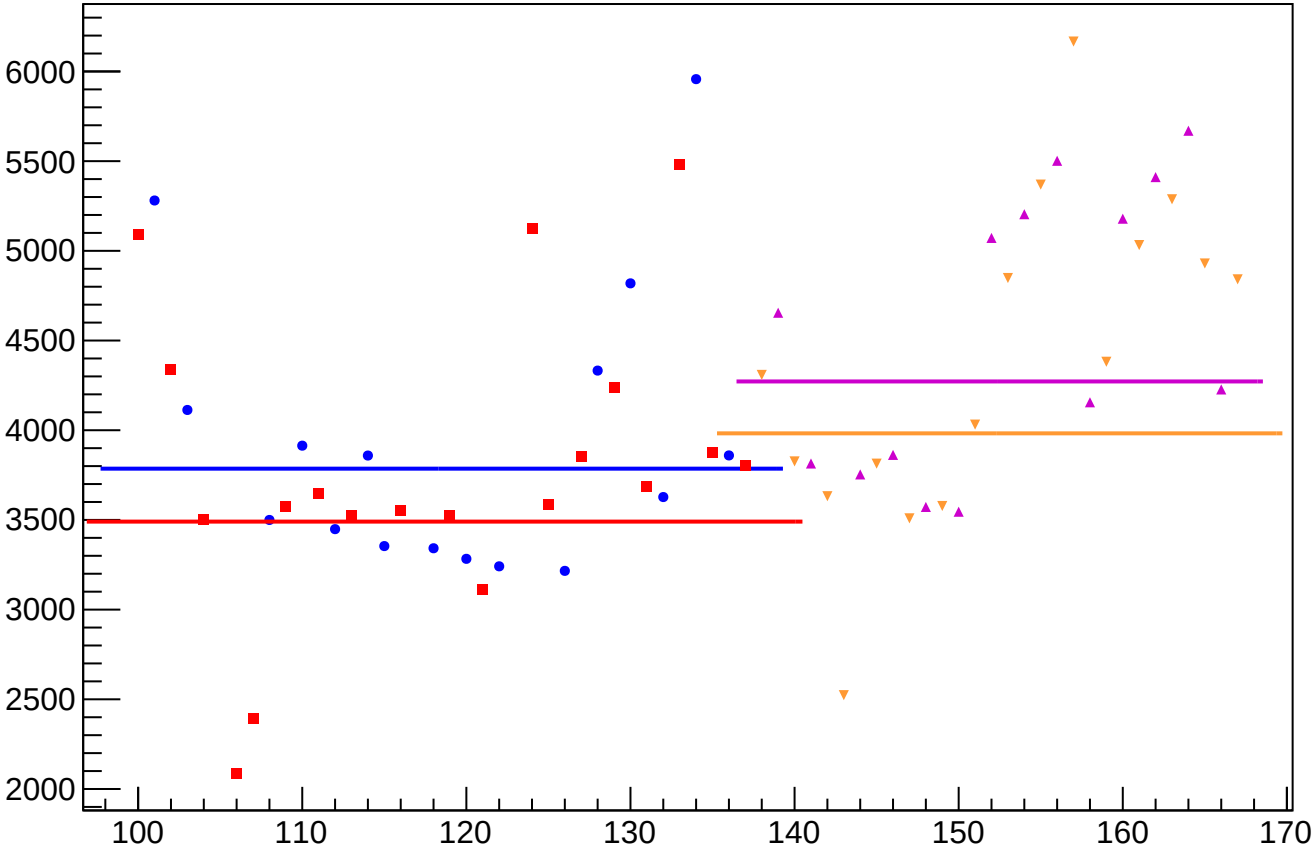
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -200.882+/-953.230 χ^2/NDF:27.9/29

Out: 353.867+/-874.532 χ^2/NDF:27.7/34

All: 100.334+/-644.416 χ^2/NDF: 55.7/64

asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF:1266133.9/15

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4271.917+/-0.903 χ^2/NDF:606988.2/13

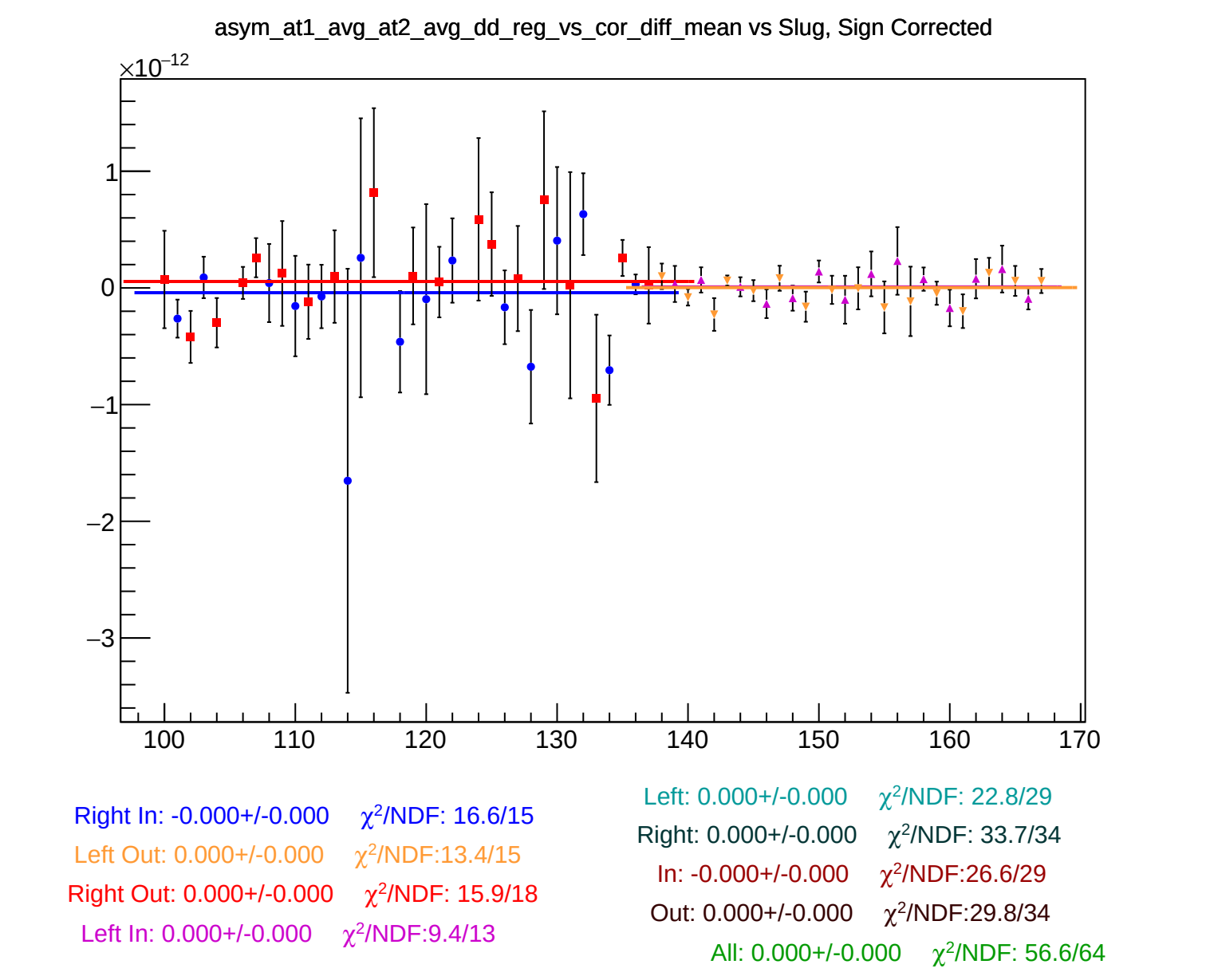
Left: 4112.933+/-0.606 χ^2/NDF: 1929479.1/29

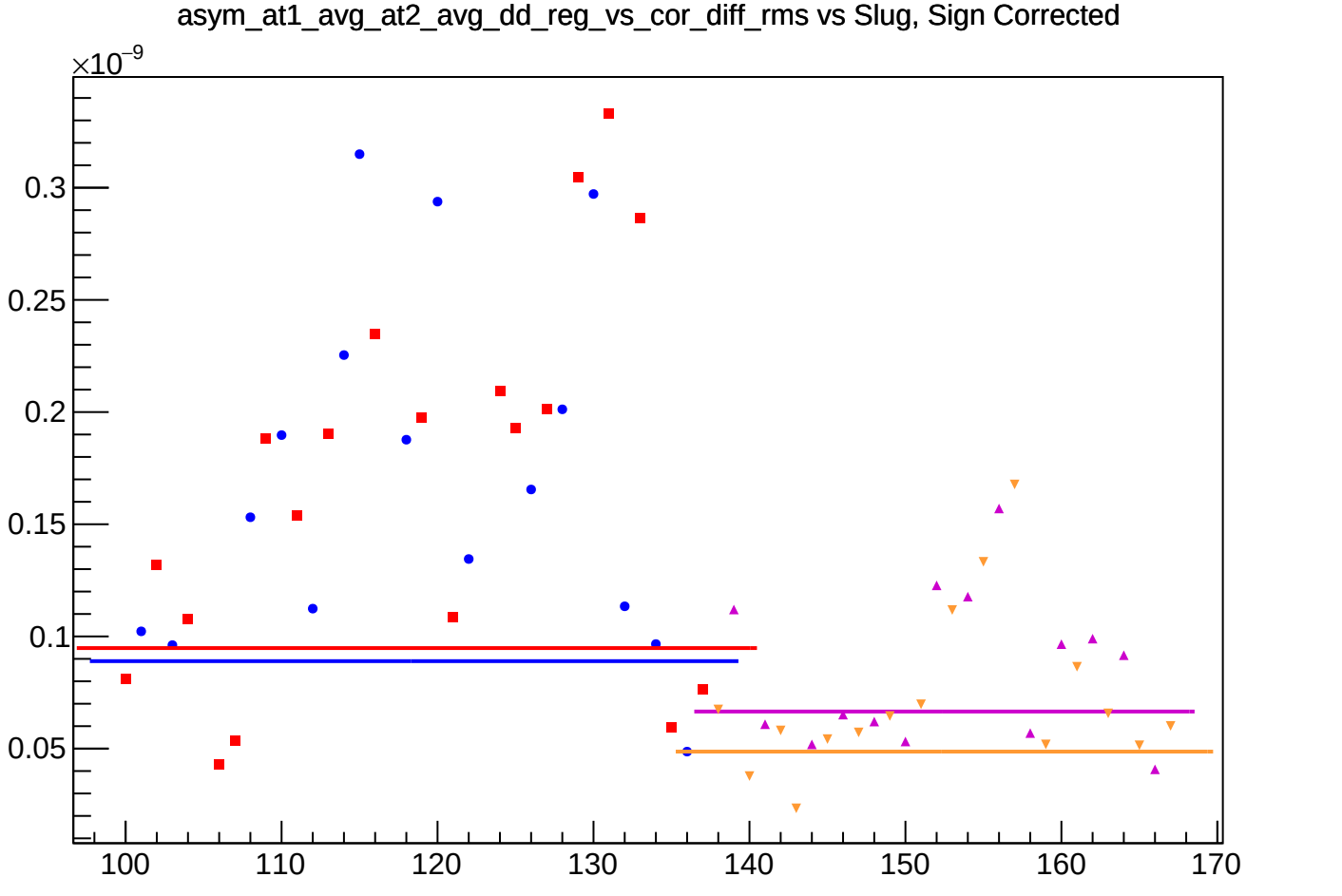
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

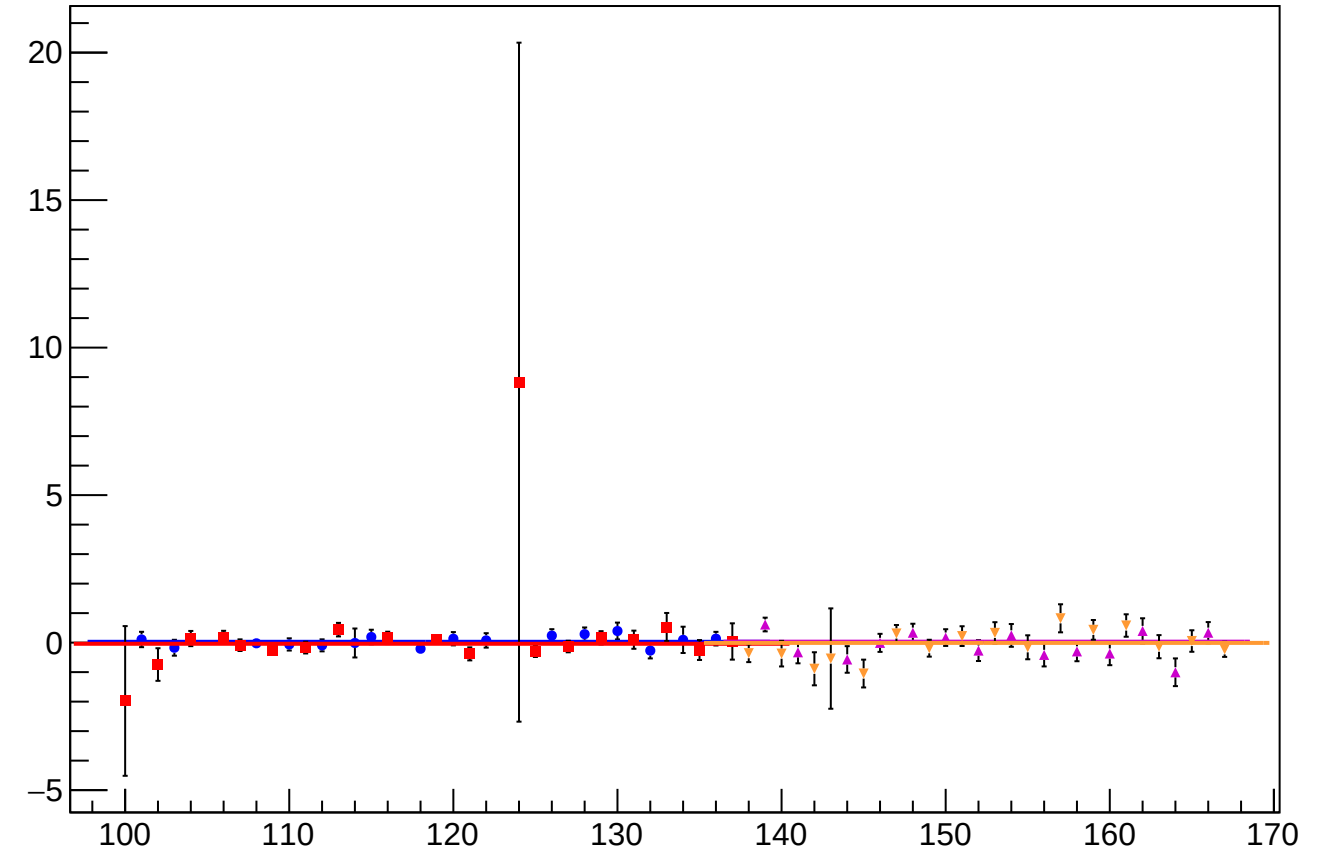
In: 4056.388+/-0.674 χ^2/NDF:1118360.3/29

Out: 3768.497+/-0.615 χ^2/NDF:2010290.2/34

All: 3899.224+/-0.454 χ^2/NDF: 3228241.3/64


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:9.4/13
Left: 0.000+/-0.000 χ²/NDF: 22.8/29
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:26.6/29
Out: 0.000+/-0.000 χ²/NDF:29.8/34
All: 0.000+/-0.000 χ²/NDF: 56.6/64


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1460718.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1941642.8/15
Right Out: 0.000+/-0.000 χ²/NDF: 1734601.4/18
Left In: 0.000+/-0.000 χ²/NDF:1128190.6/13
Left: 0.000+/-0.000 χ²/NDF: 3444879.0/29
Right: 0.000+/-0.000 χ²/NDF: 3204262.4/34
In: 0.000+/-0.000 χ²/NDF:2809987.2/29
Out: 0.000+/-0.000 χ²/NDF:4580235.9/34
All: 0.000+/-0.000 χ²/NDF: 7820335.9/64



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

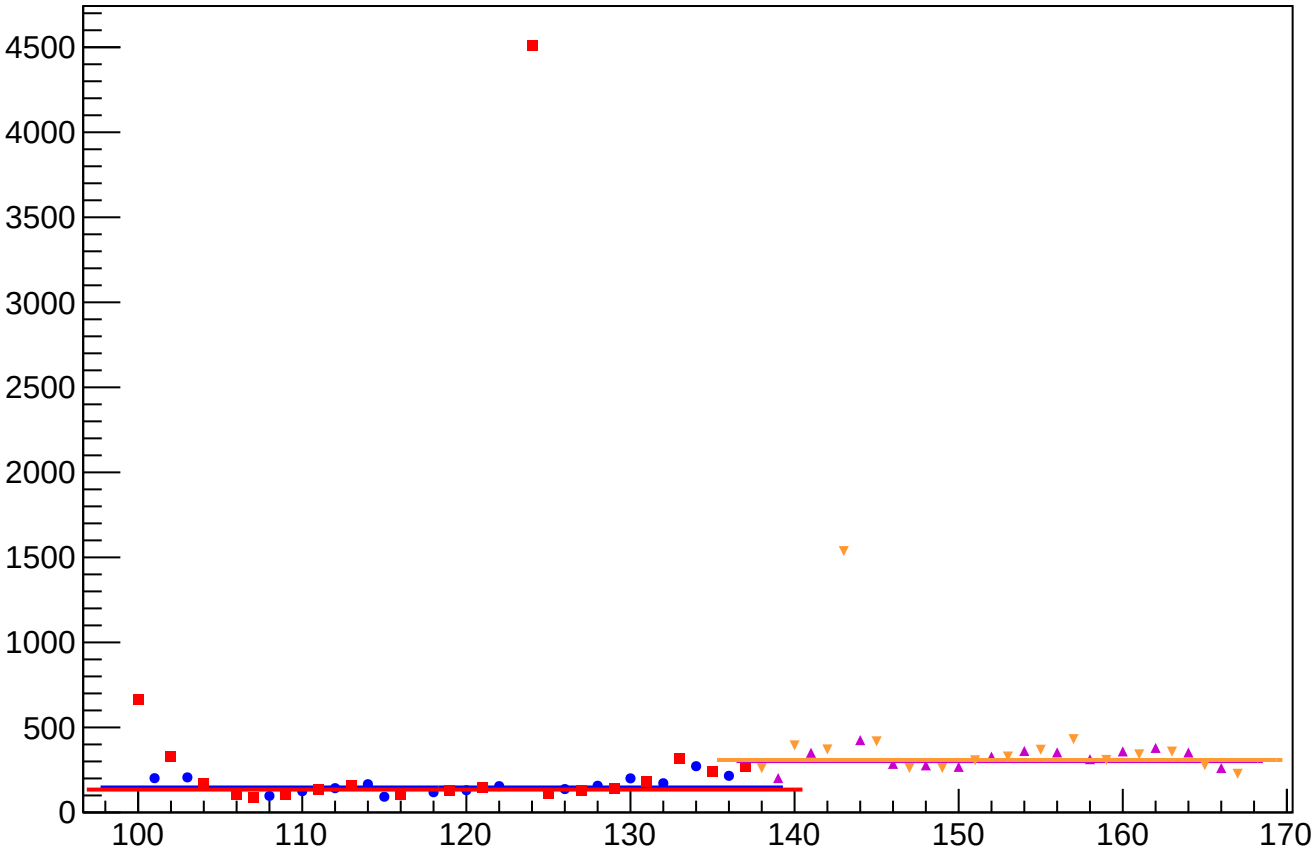
Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

Left: 305.411+/-0.046 χ^2/NDF: 2711485.2/29

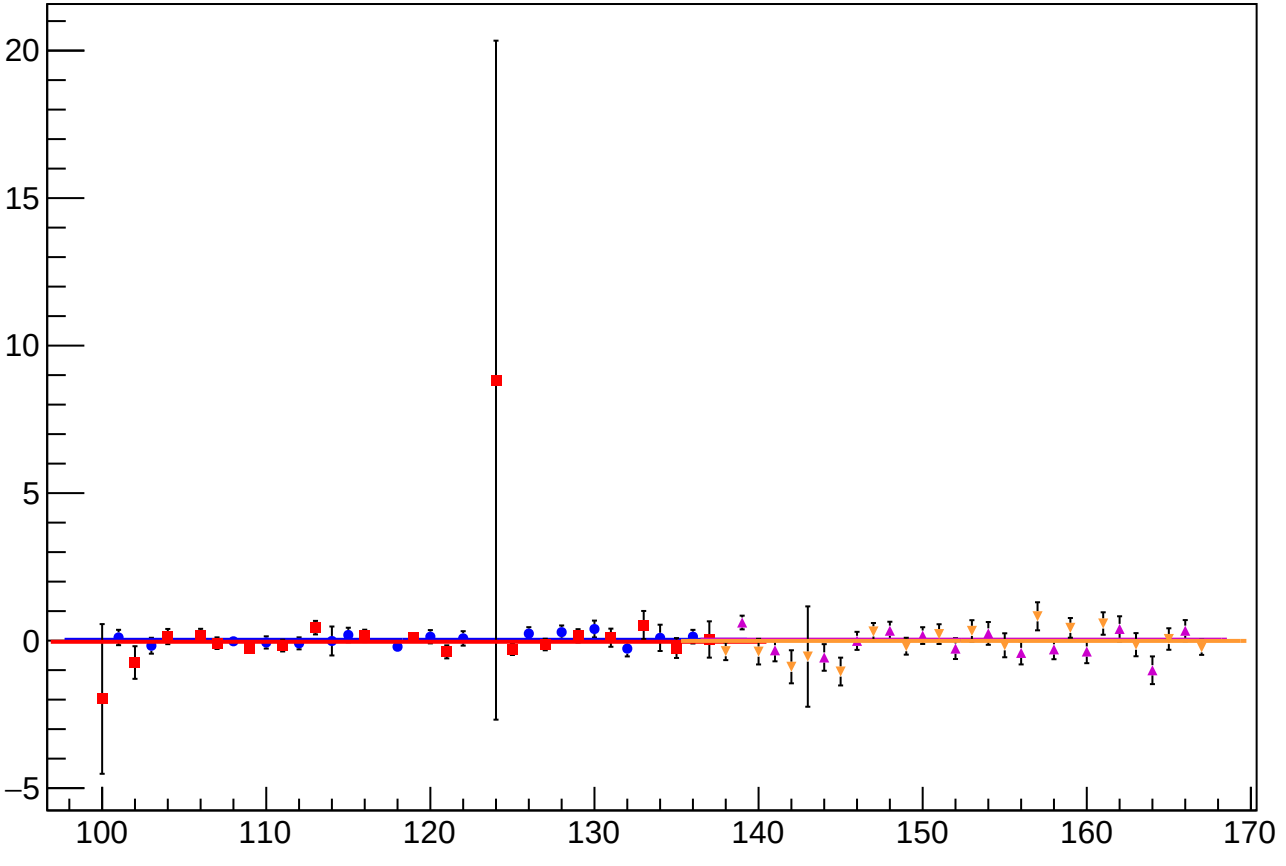
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 185.611+/-0.024 χ^2/NDF: 14832301.6/64

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

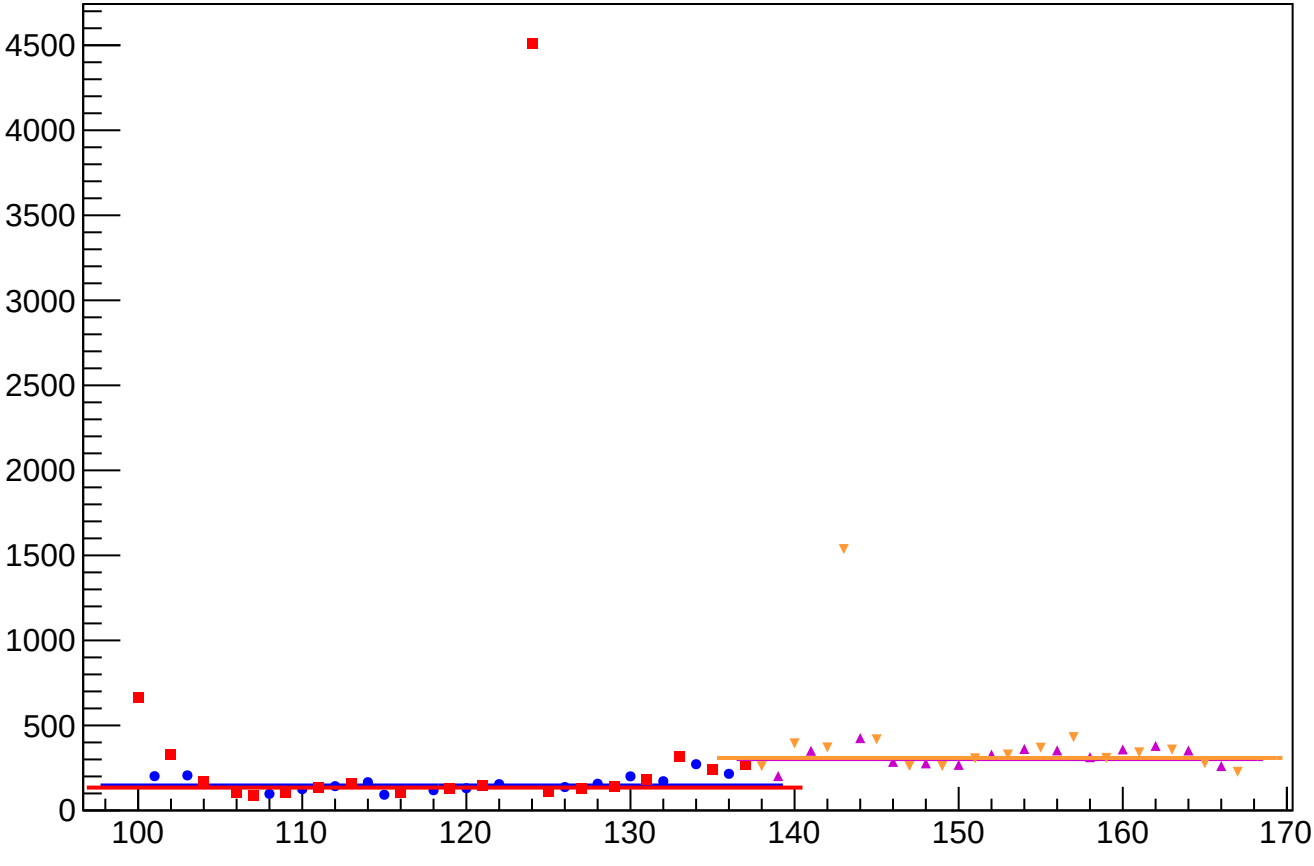
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

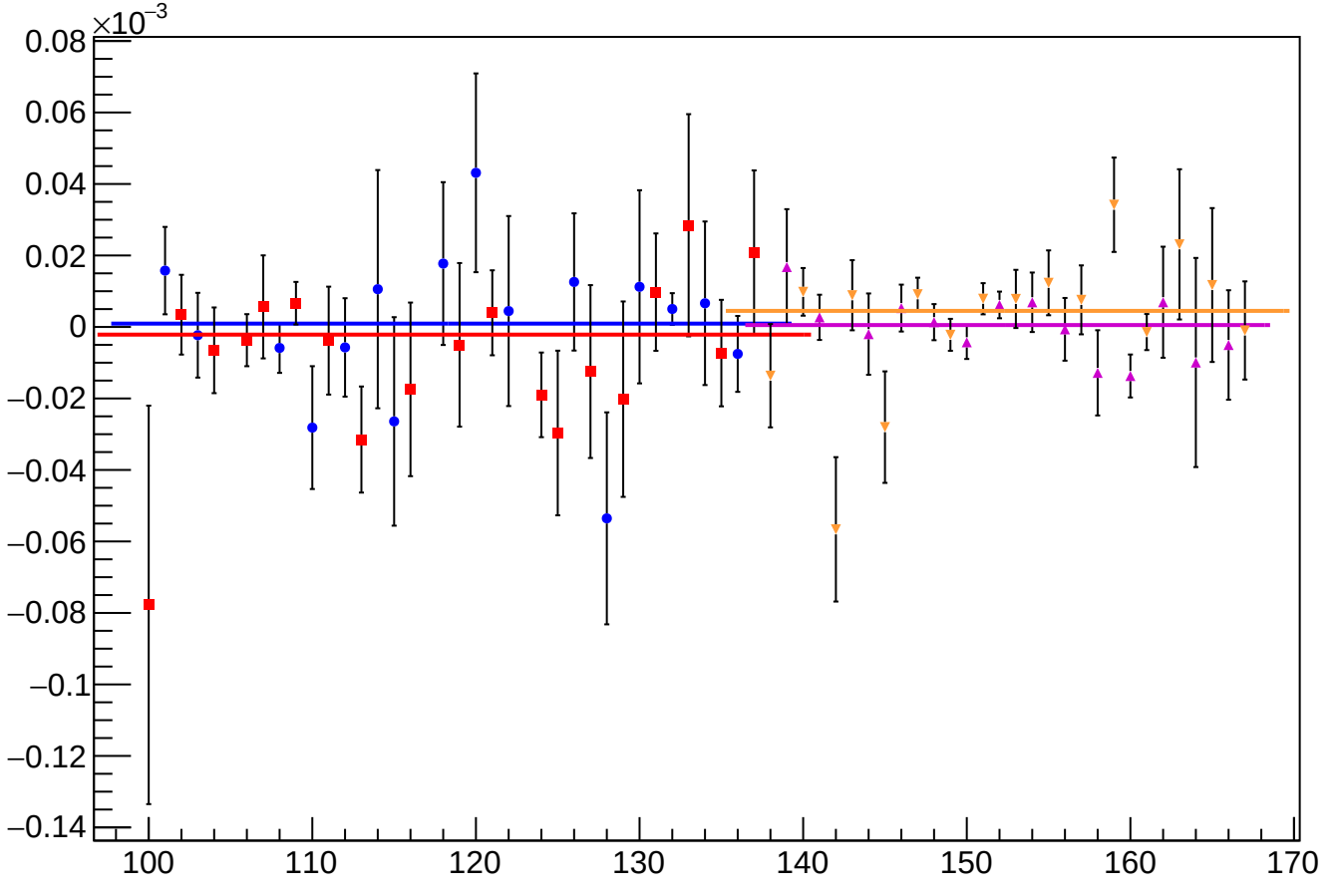
Left: 305.411+/-0.046 χ^2/NDF: 2711485.2/29

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 185.611+/-0.024 χ^2/NDF: 14832301.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/13

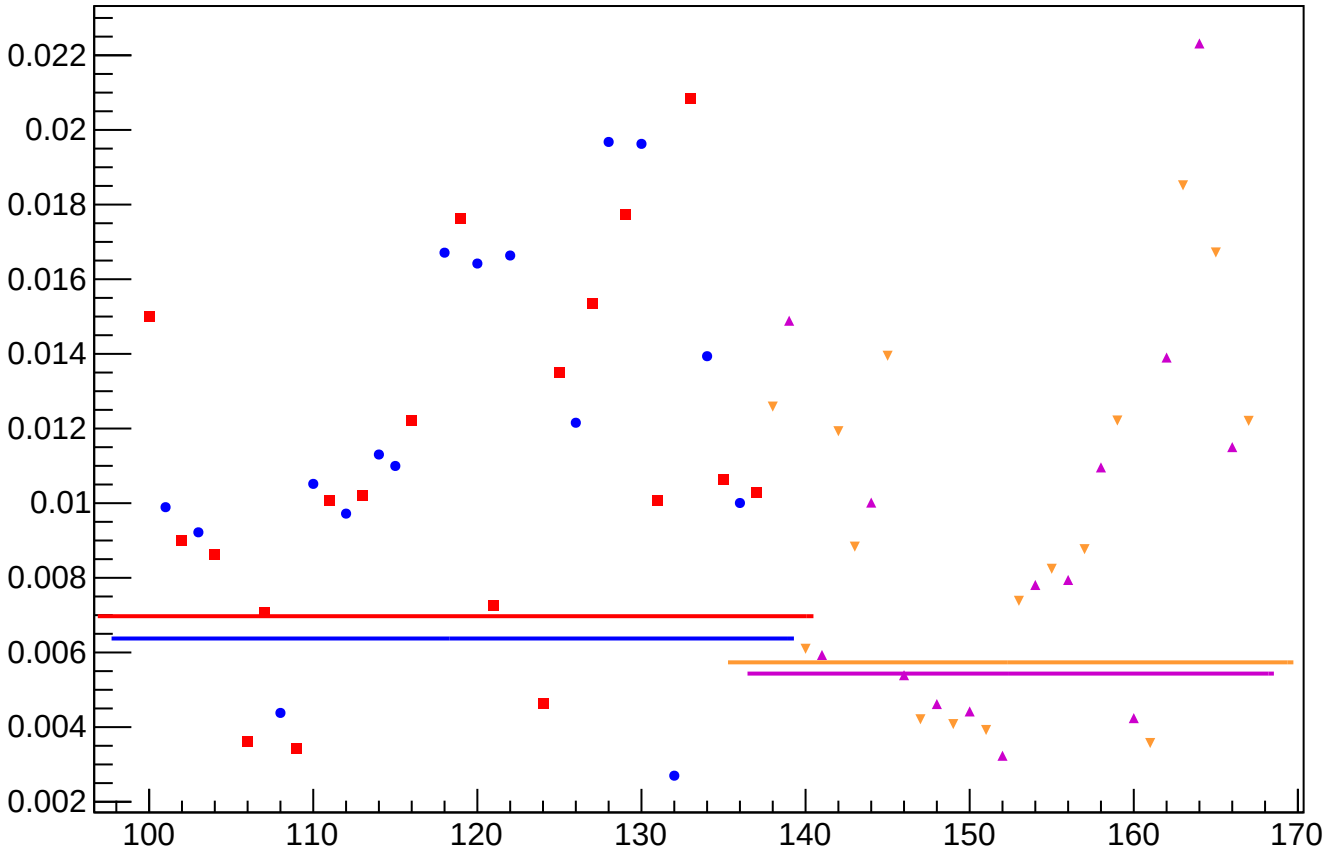
Left: 0.000+/-0.000 χ^2/NDF: 43.5/29

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.9/29

Out: 0.000+/-0.000 χ^2/NDF:47.8/34

All: 0.000+/-0.000 χ^2/NDF: 76.5/64



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5220472.8/15

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4269470.8/13

Left: 0.006+/-0.000 χ^2/NDF: 9515991.0/29

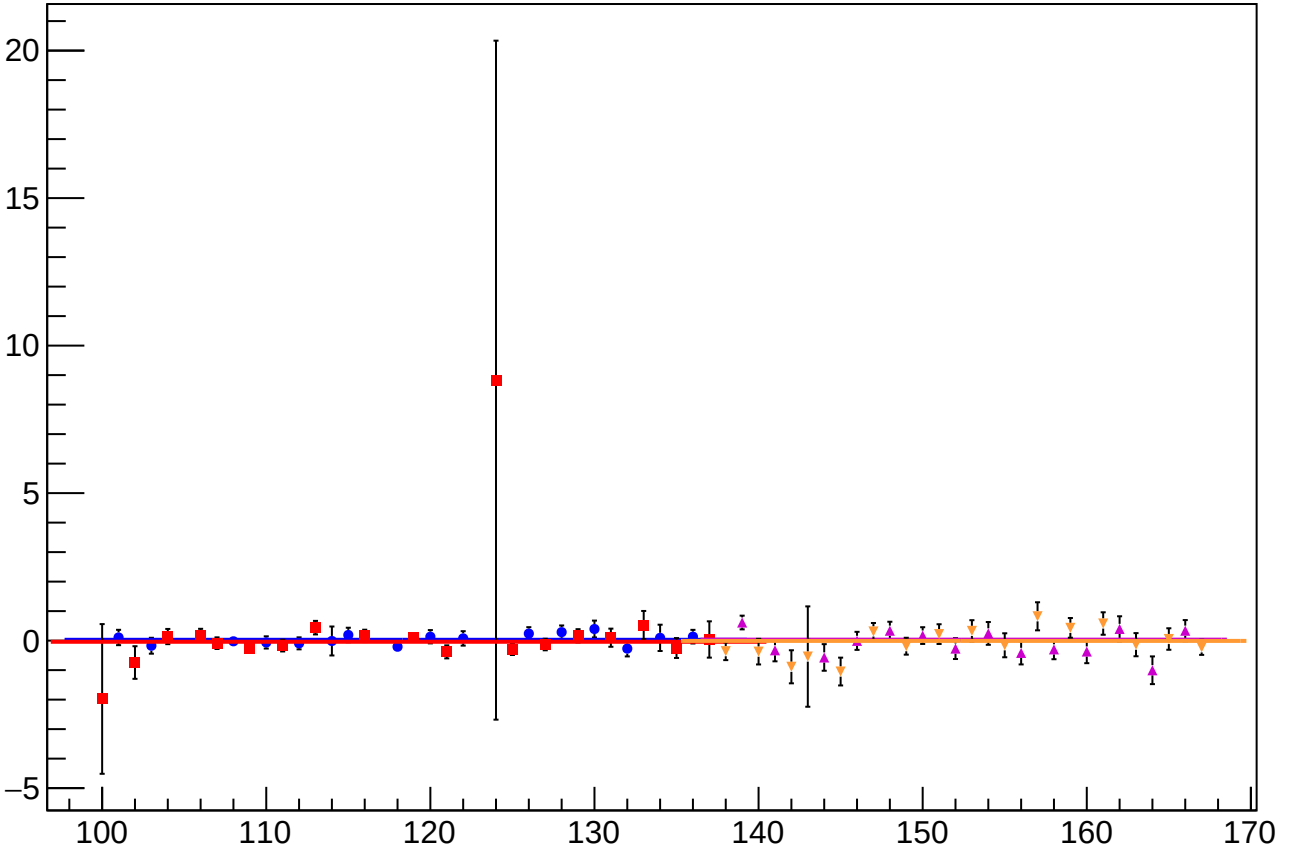
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:9056088.5/29

Out: 0.006+/-0.000 χ^2/NDF:8873534.4/34

All: 0.006+/-0.000 χ^2/NDF: 17985534.8/64

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

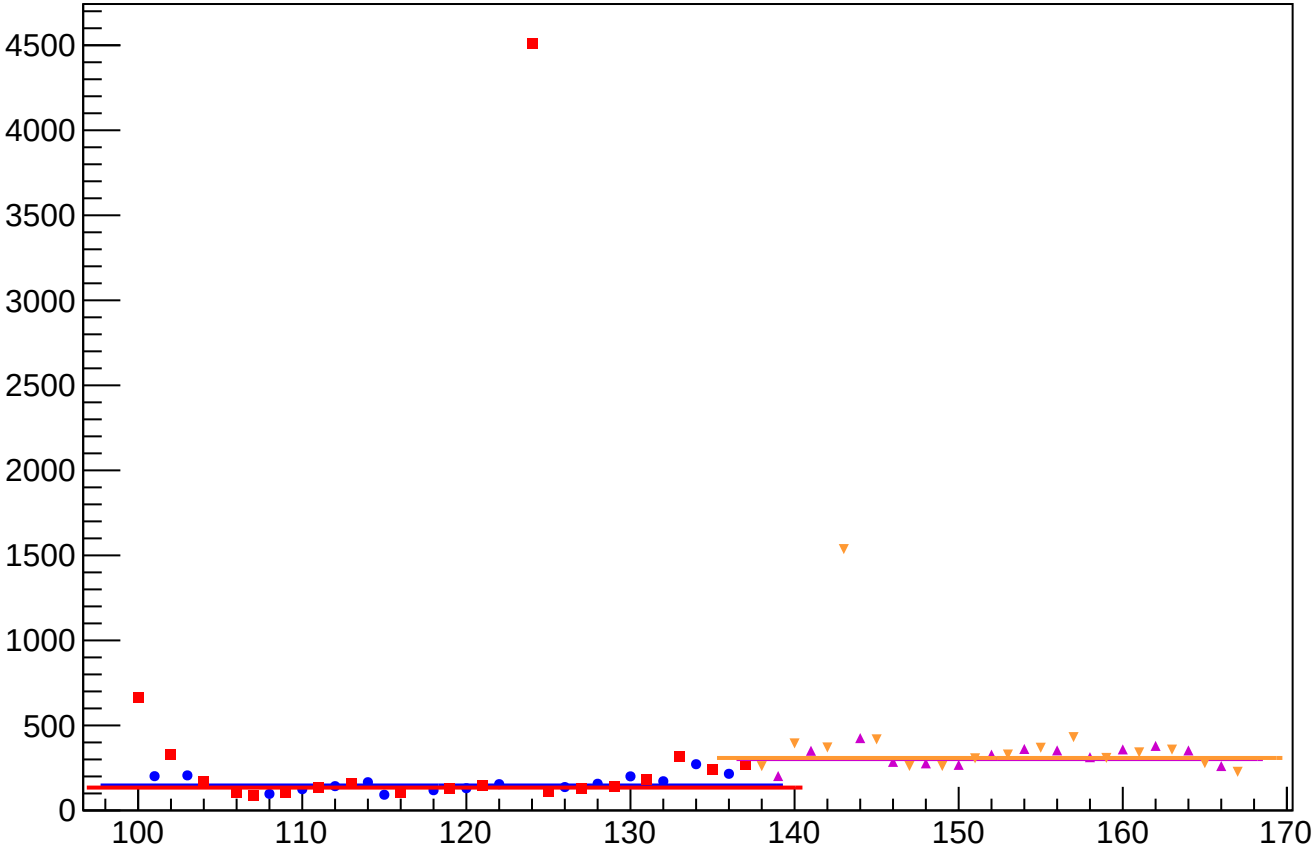
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

Left: 305.415+/-0.046 χ^2/NDF: 2711497.4/29

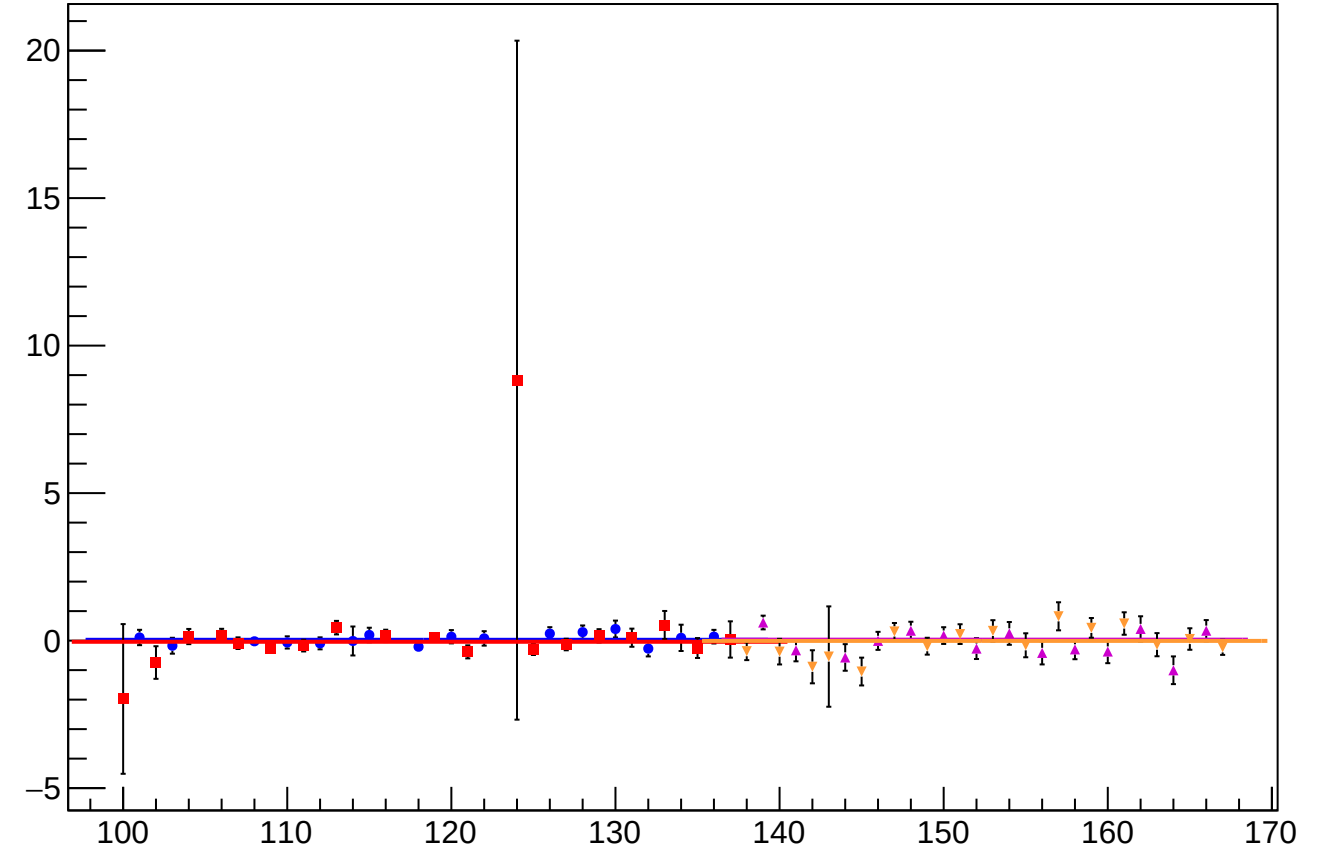
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 185.612+/-0.024 χ^2/NDF: 14832371.8/64

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

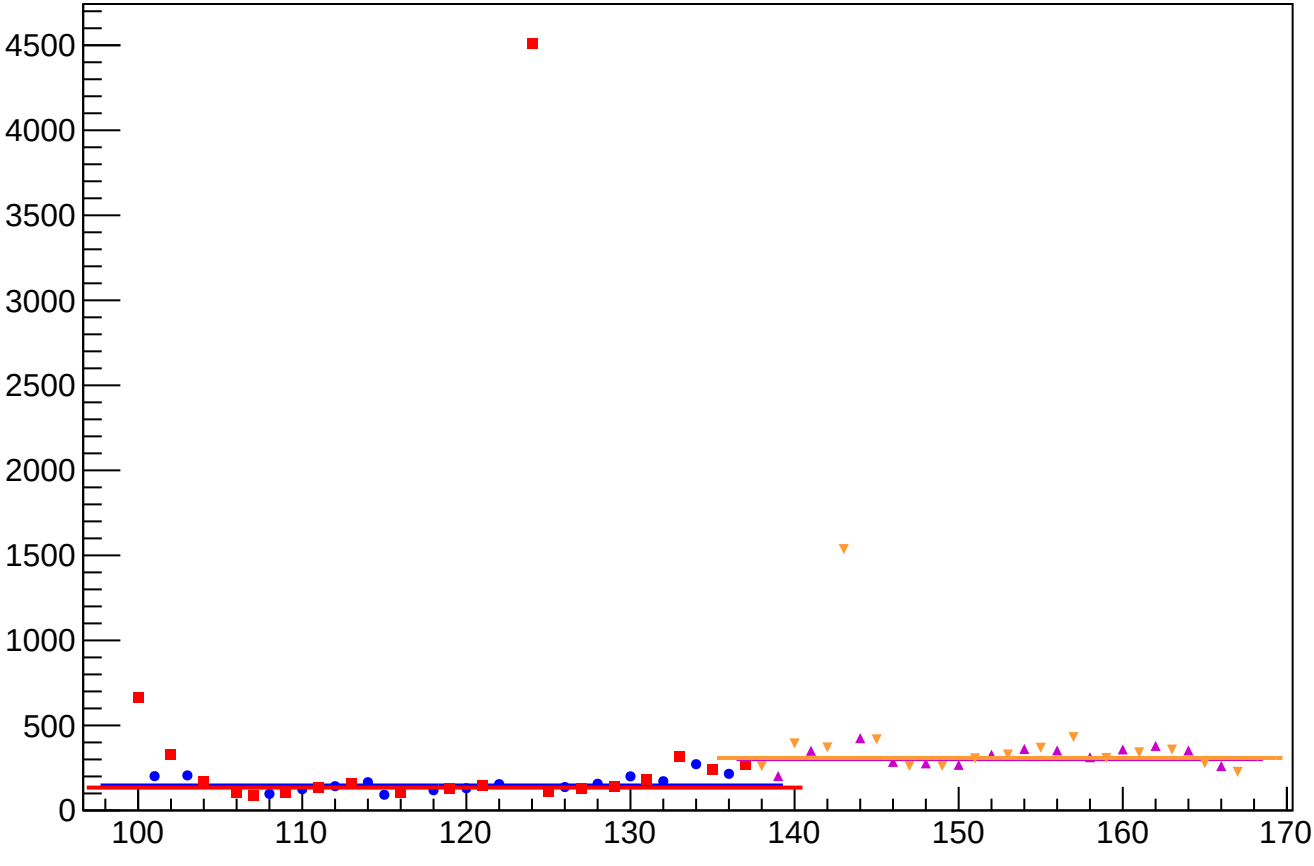
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

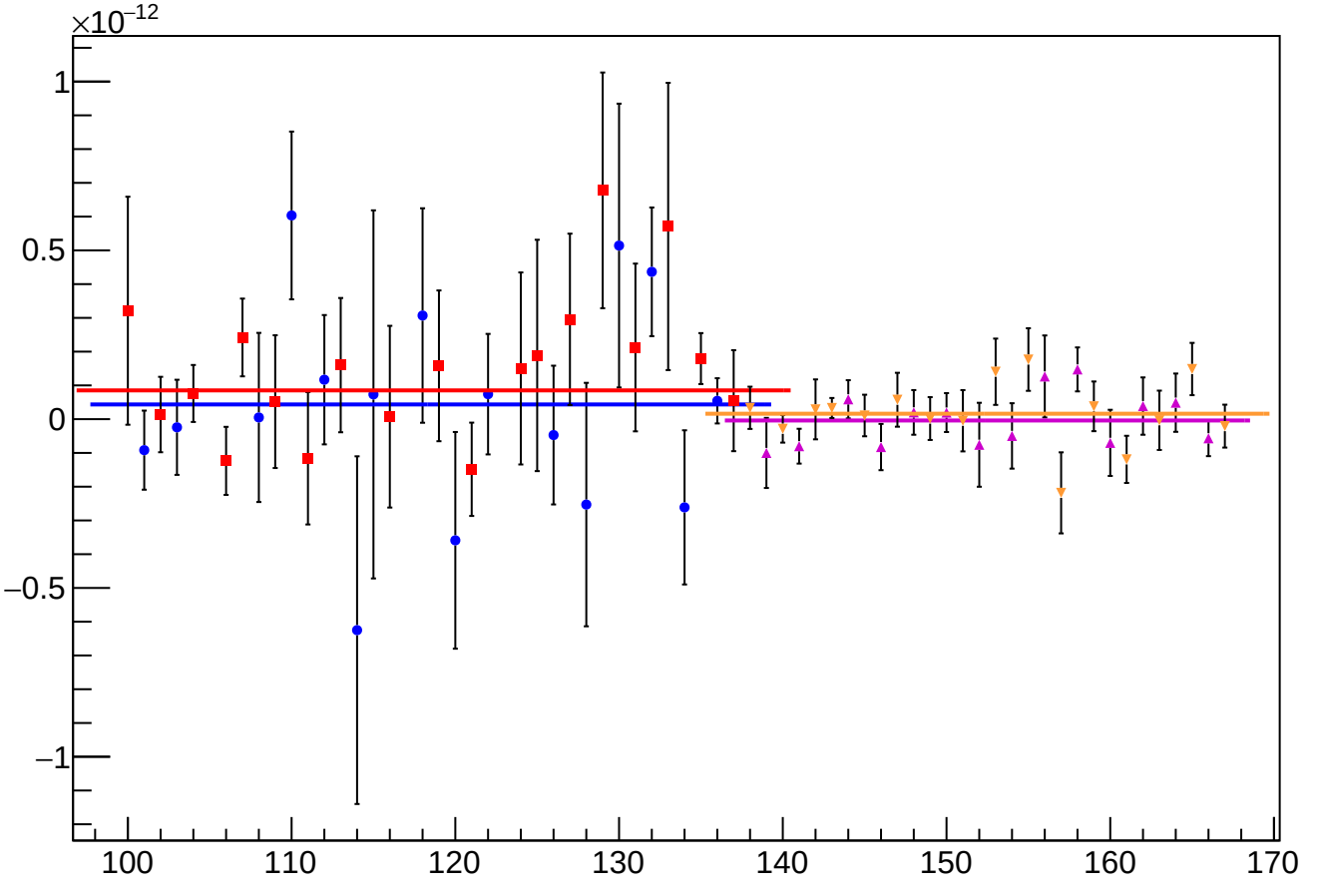
Left: 305.415+/-0.046 χ^2/NDF: 2711497.4/29

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 185.612+/-0.024 χ^2/NDF: 14832371.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/13

Left: 0.000+/-0.000 χ^2/NDF: 33.3/29

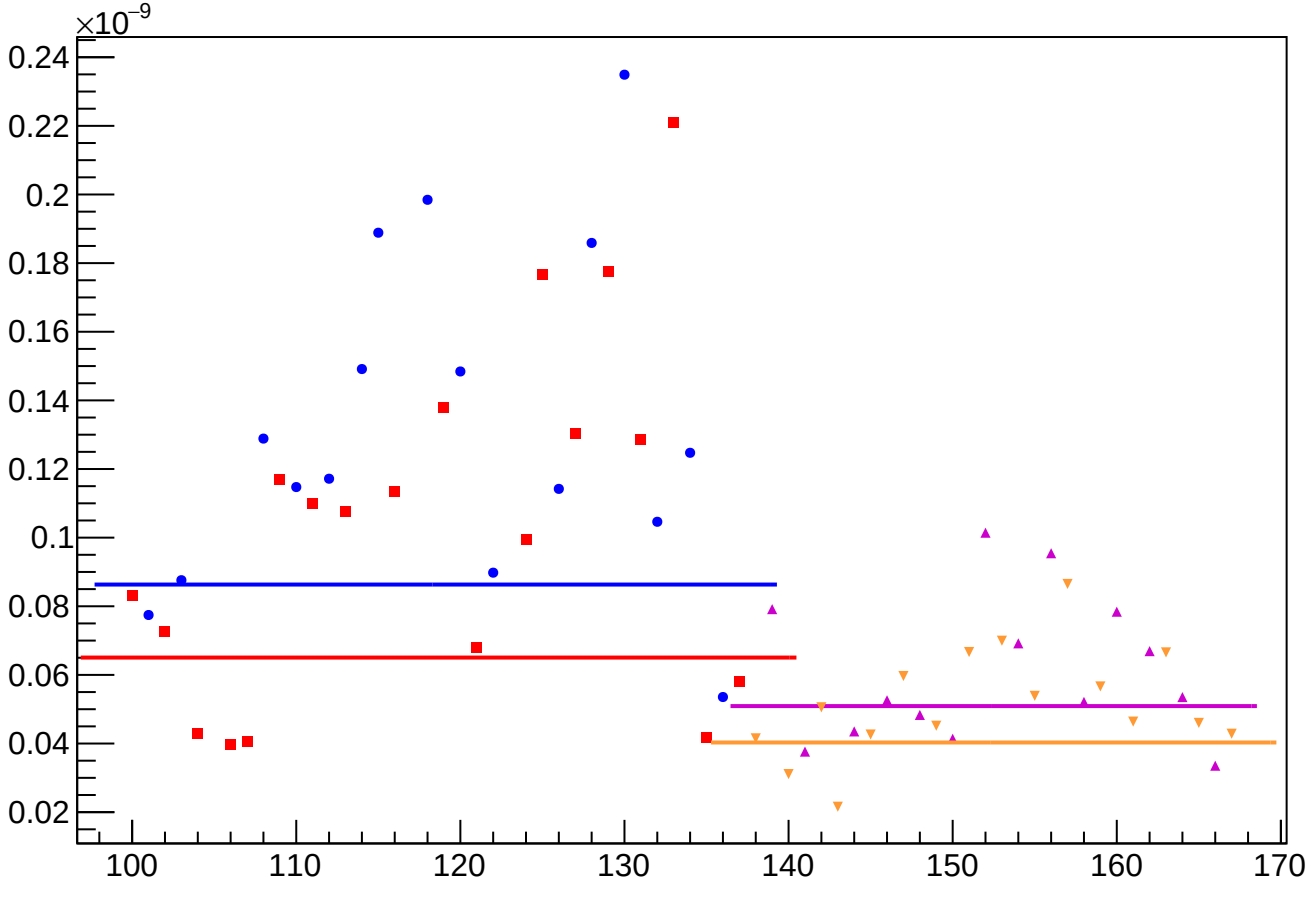
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/29

Out: 0.000+/-0.000 χ^2/NDF:39.1/34

All: 0.000+/-0.000 χ^2/NDF: 75.3/64

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1490918.5/13

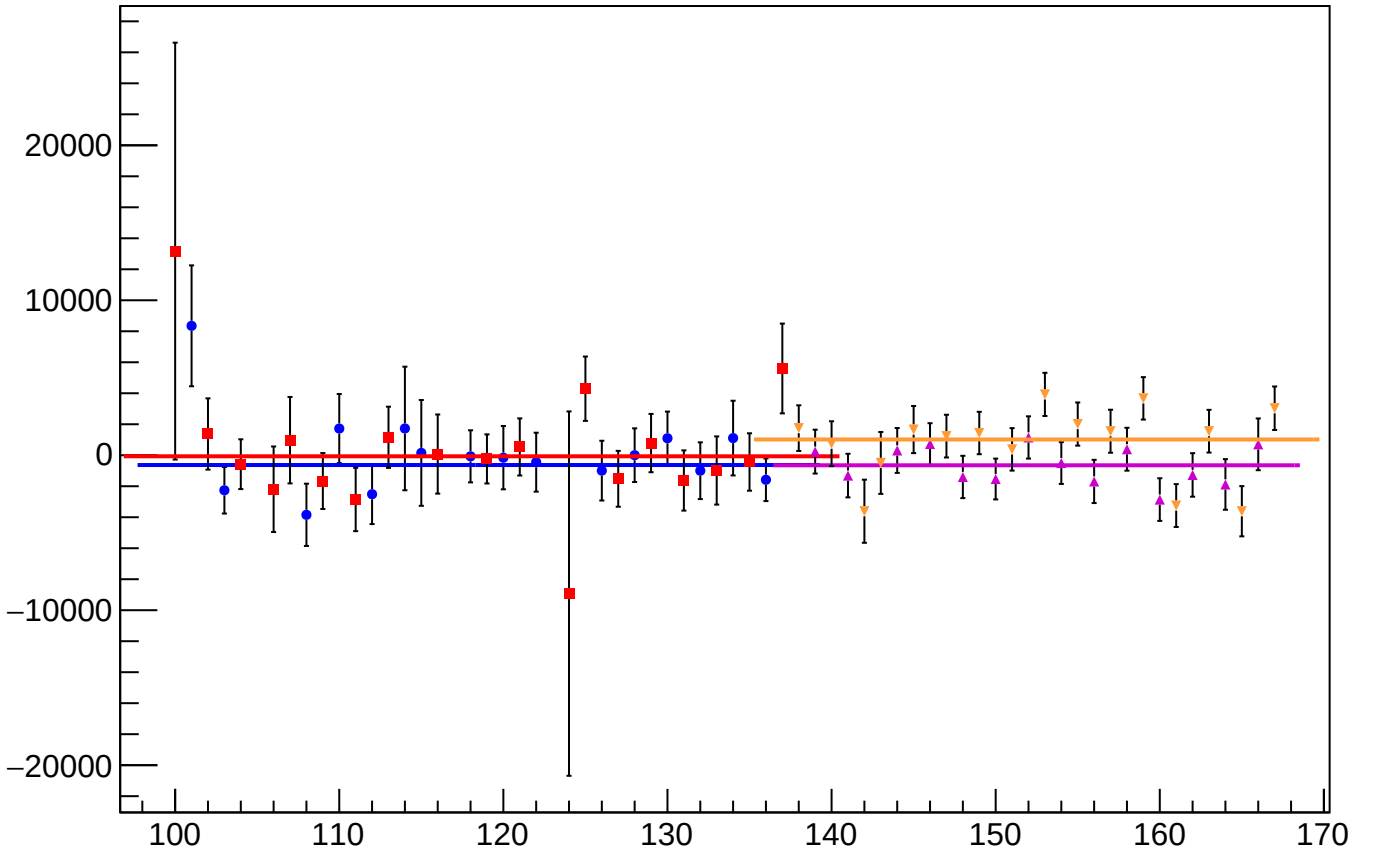
Left: 0.000+/-0.000 χ^2/NDF: 3917360.1/29

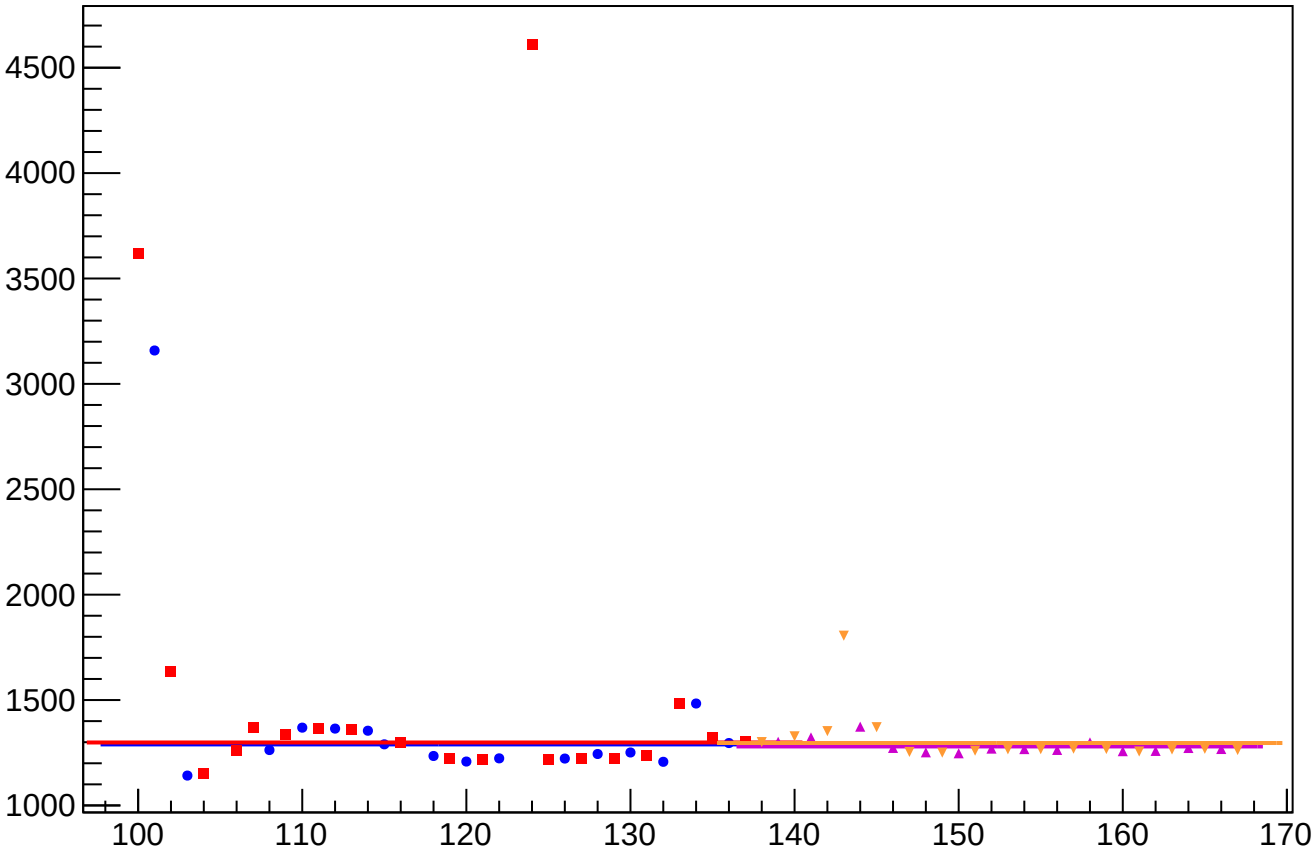
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4200915.6/29

Out: 0.000+/-0.000 χ^2/NDF:5081557.8/34

All: 0.000+/-0.000 χ^2/NDF: 9879379.1/64


reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -631.041+/-488.663 χ²/NDF: 13.9/15
Left Out: 1018.080+/-365.671 χ²/NDF:35.2/15
Right Out: -67.642+/-487.761 χ²/NDF: 15.9/18
Left In: -648.112+/-376.741 χ²/NDF:9.7/13
Left: 209.825+/-262.395 χ²/NDF: 55.0/29
Right: -348.821+/-345.217 χ²/NDF: 30.4/34
In: -641.748+/-298.364 χ²/NDF:23.6/29
Out: 627.425+/-292.580 χ²/NDF:54.2/34
All: 5.261+/-208.900 χ²/NDF: 87.1/64



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

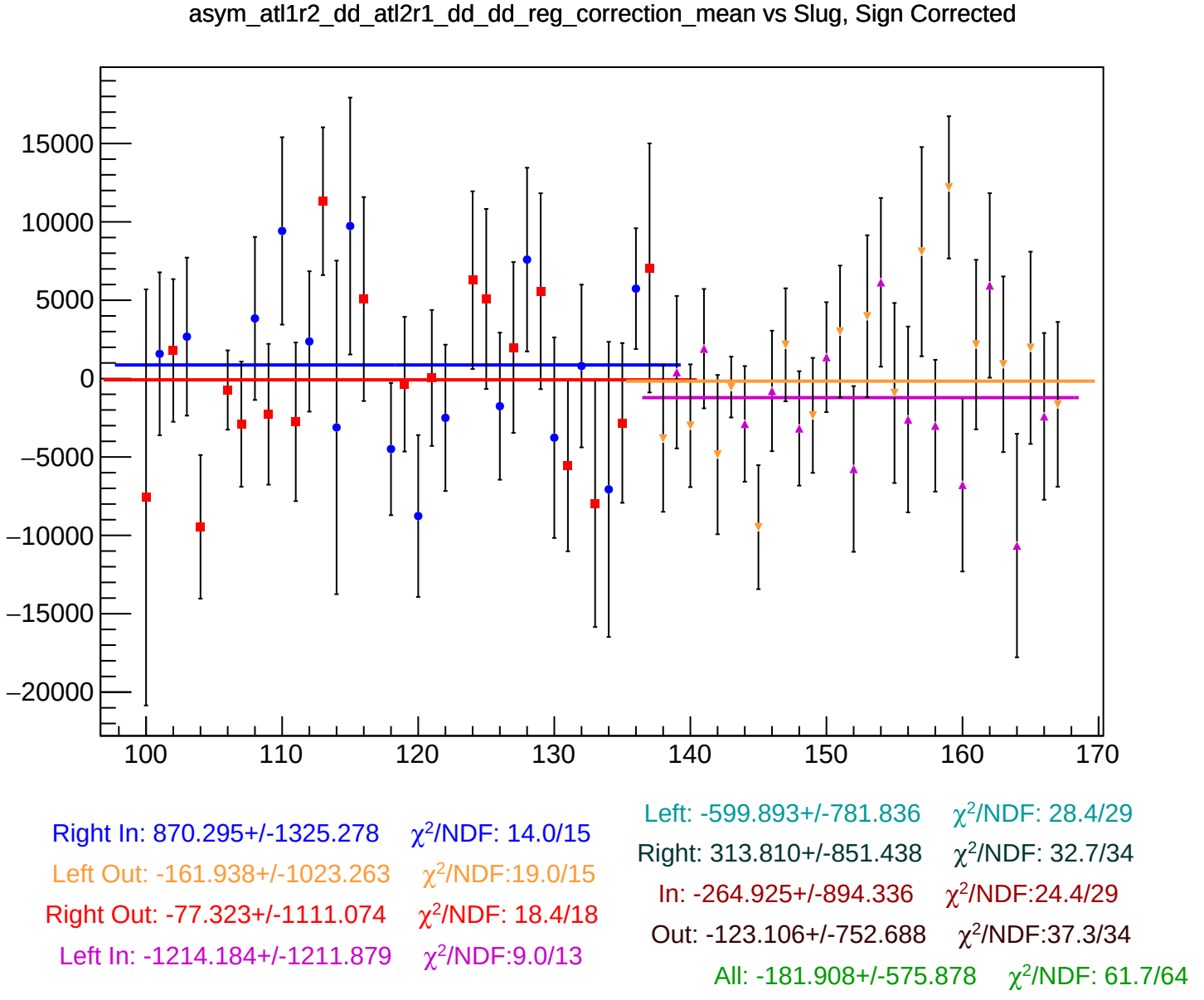
Left: 1288.226+/-0.186 χ^2/NDF: 167441.3/29

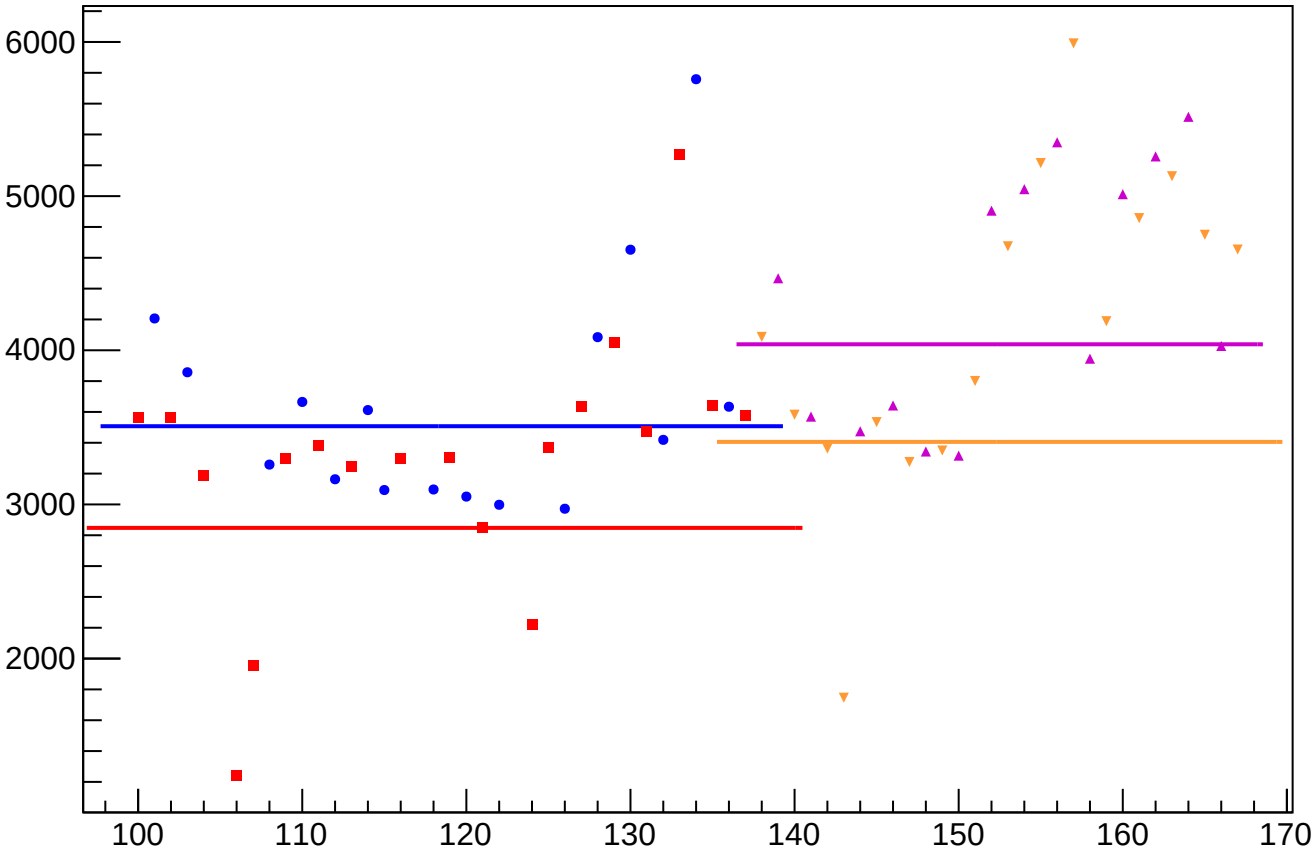
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

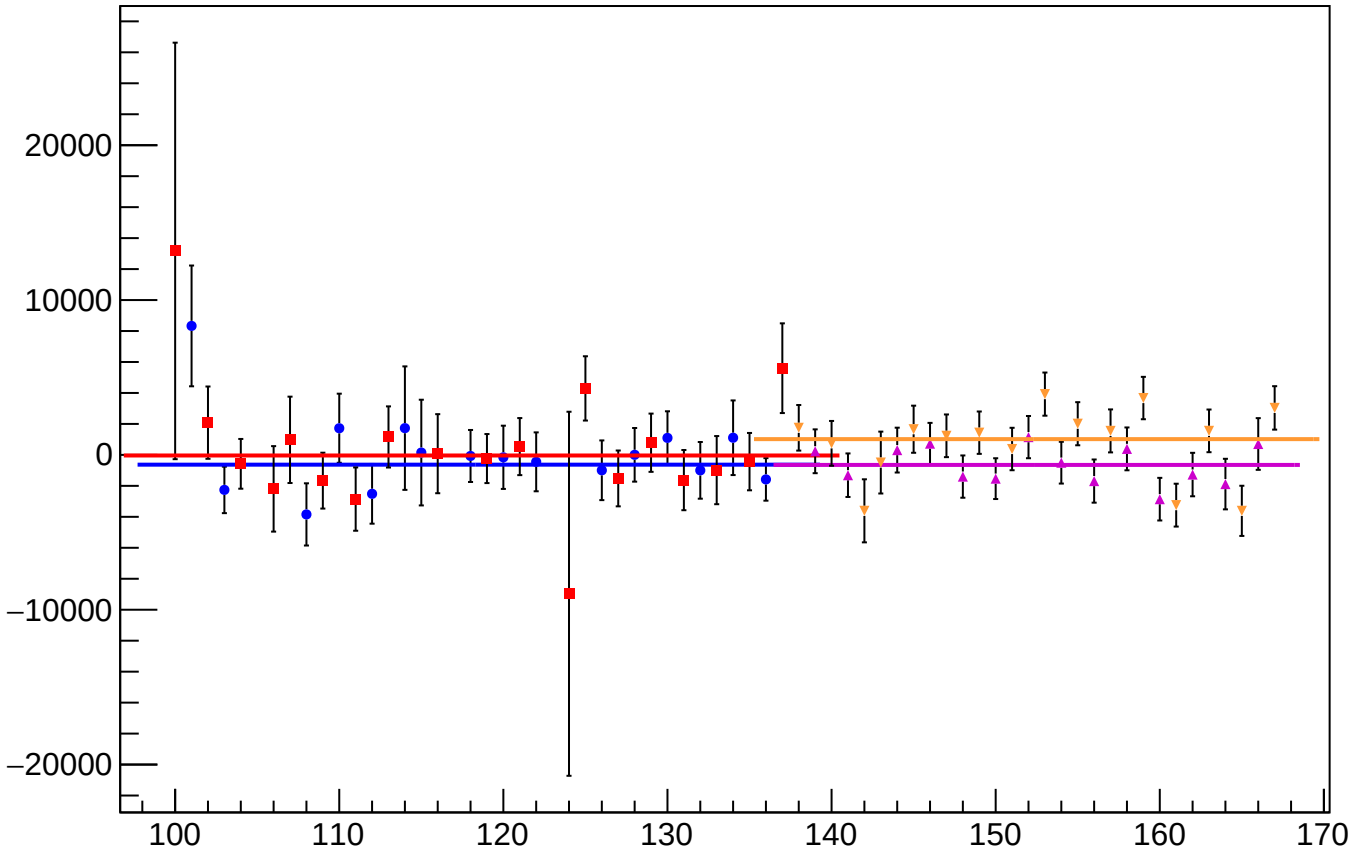
In: 1283.417+/-0.211 χ^2/NDF:530086.0/29

Out: 1297.050+/-0.207 χ^2/NDF:469995.2/34

All: 1290.373+/-0.148 χ^2/NDF: 1002211.8/64


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -161.938+/-1023.263 χ²/NDF:19.0/15
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1214.184+/-1211.879 χ²/NDF:9.0/13
Left: -599.893+/-781.836 χ²/NDF: 28.4/29
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -264.925+/-894.336 χ²/NDF:24.4/29
Out: -123.106+/-752.688 χ²/NDF:37.3/34
All: -181.908+/-575.878 χ²/NDF: 61.7/64


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3405.727+/-0.724 χ²/NDF:2754433.7/15
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 4038.851+/-0.857 χ²/NDF:727704.4/13
Left: 3669.240+/-0.553 χ²/NDF: 3800811.6/29
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3796.830+/-0.632 χ²/NDF:1256841.6/29
Out: 3149.694+/-0.532 χ²/NDF:4526644.1/34
All: 3418.016+/-0.407 χ²/NDF: 6396472.7/64



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -648.119+/-376.741 χ^2/NDF:9.7/13

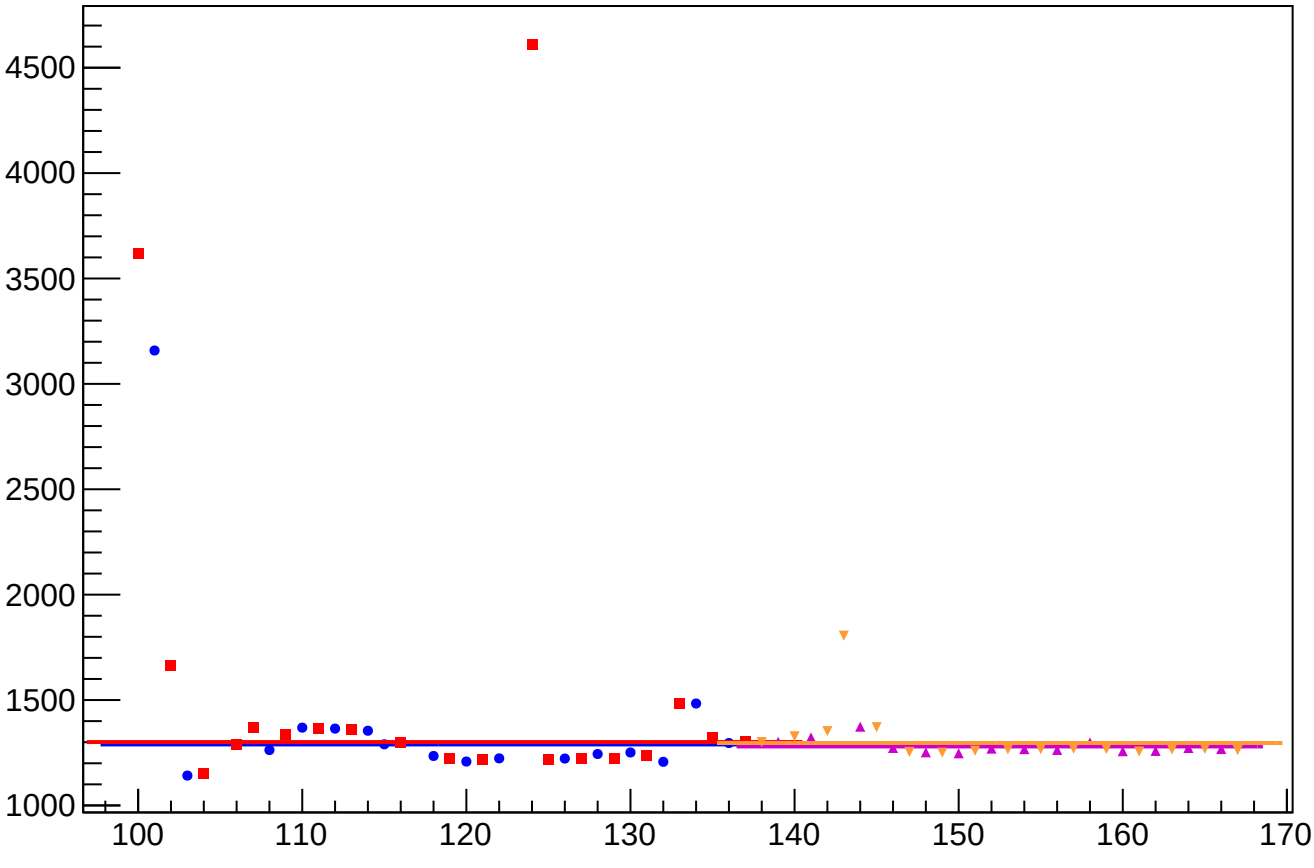
Left: 209.841+/-262.395 χ^2/NDF: 55.0/29

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -641.896+/-298.364 χ^2/NDF:23.6/29

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 10.536+/-208.926 χ^2/NDF: 87.5/64



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

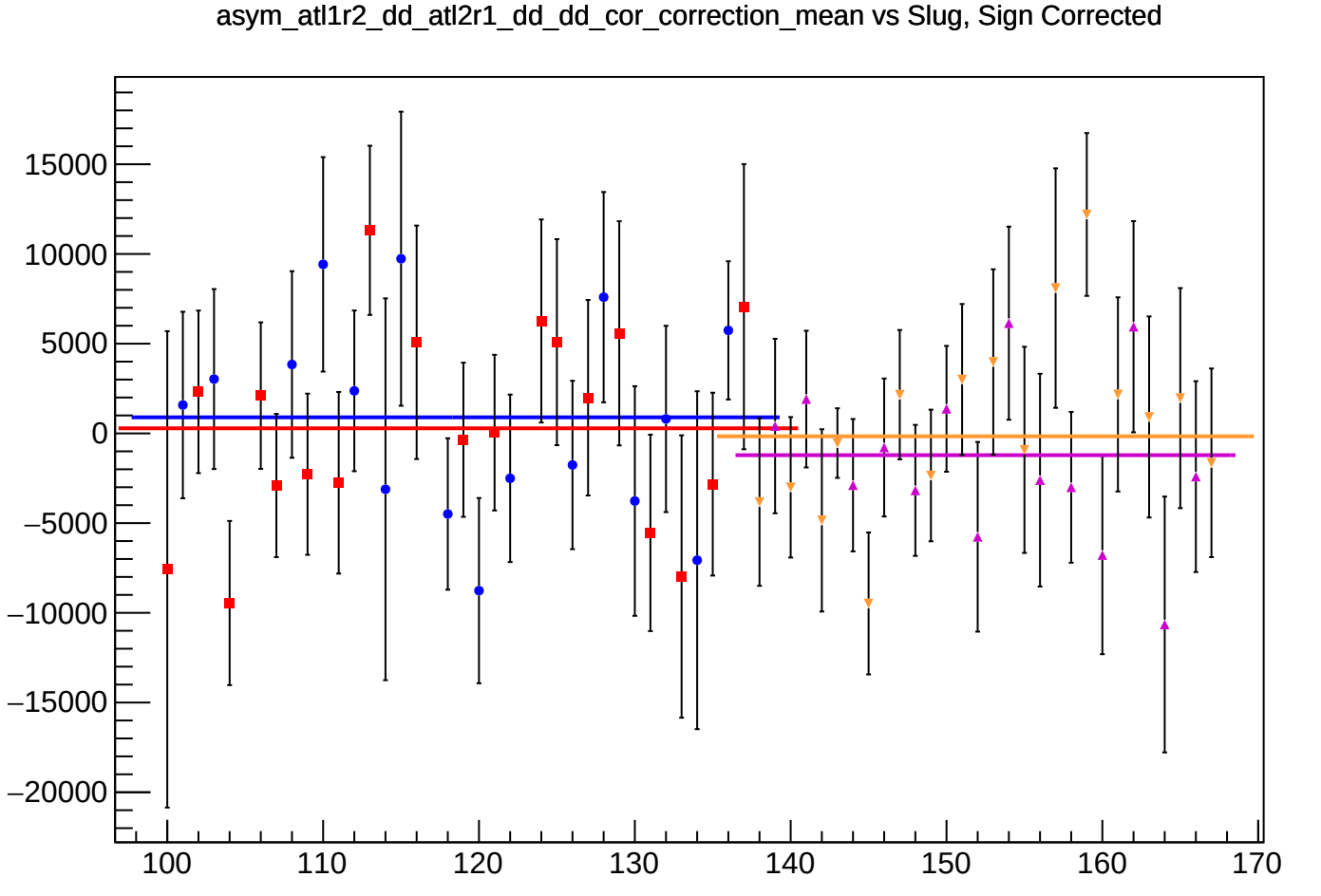
Left: 1288.226+/-0.186 χ^2/NDF: 167441.3/29

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.742+/-0.148 χ^2/NDF: 1009056.0/64



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF:19.0/15

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1214.227+/-1211.878 χ^2/NDF:9.0/13

Left: -599.851+/-781.835 χ^2/NDF: 28.4/29

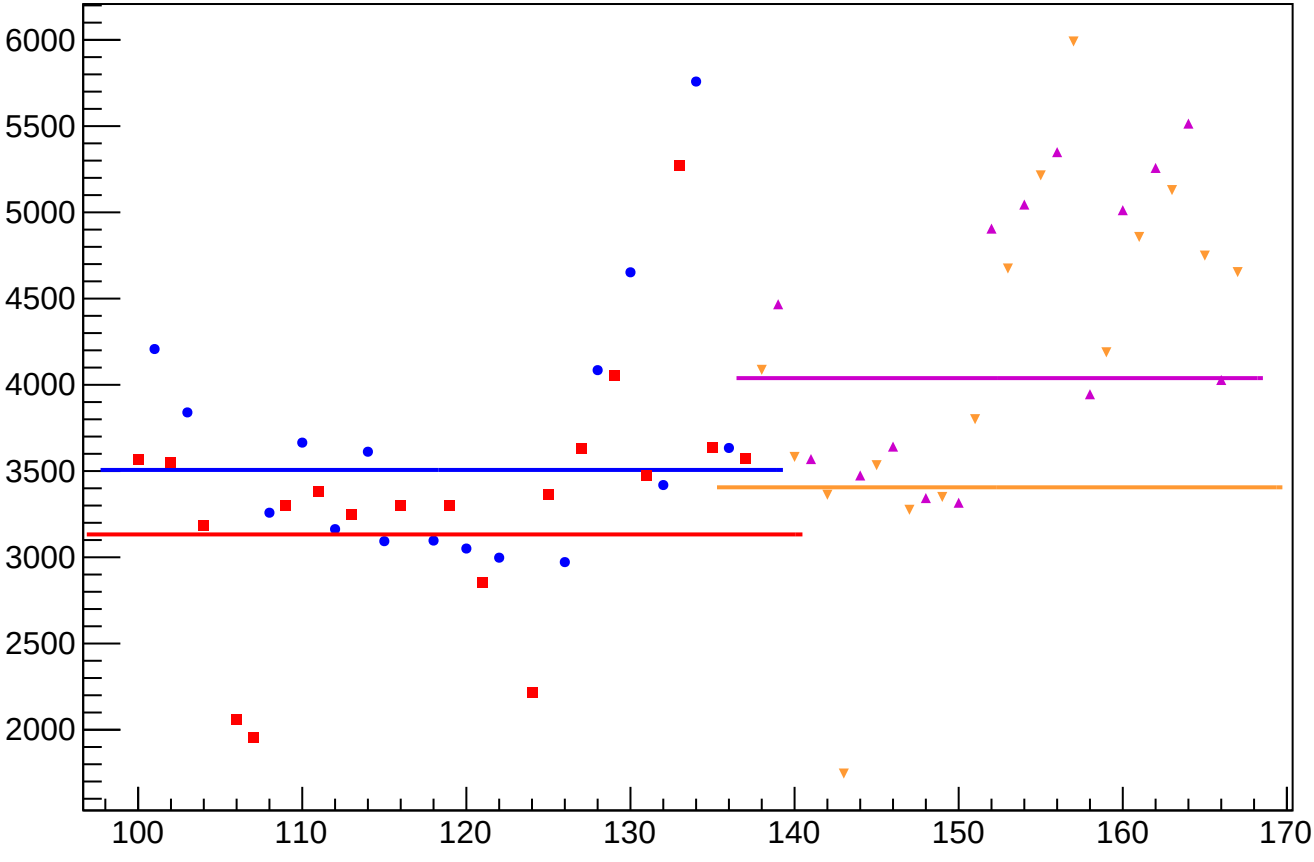
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -252.876+/-894.195 χ^2/NDF:24.4/29

Out: 28.923+/-773.964 χ^2/NDF:37.7/34

All: -91.771+/-585.202 χ^2/NDF: 62.2/64

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4038.847+/-0.857 χ^2/NDF:727705.7/13

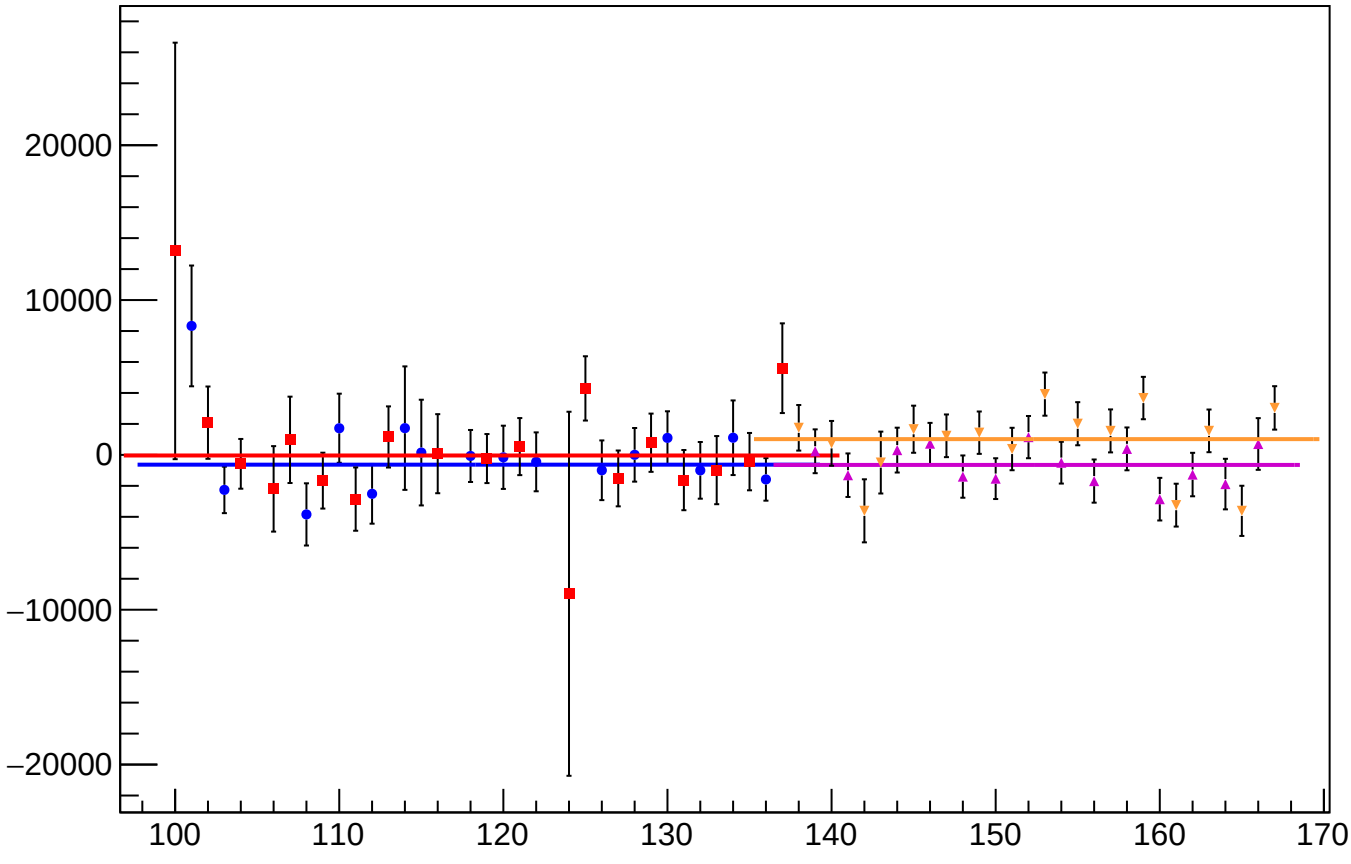
Left: 3669.232+/-0.553 χ^2/NDF: 3800849.9/29

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3796.322+/-0.632 χ^2/NDF:1256767.1/29

Out: 3288.844+/-0.547 χ^2/NDF:3465049.5/34

All: 3506.196+/-0.414 χ^2/NDF: 5090089.3/64



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -648.119+/-376.741 χ^2/NDF:9.7/13

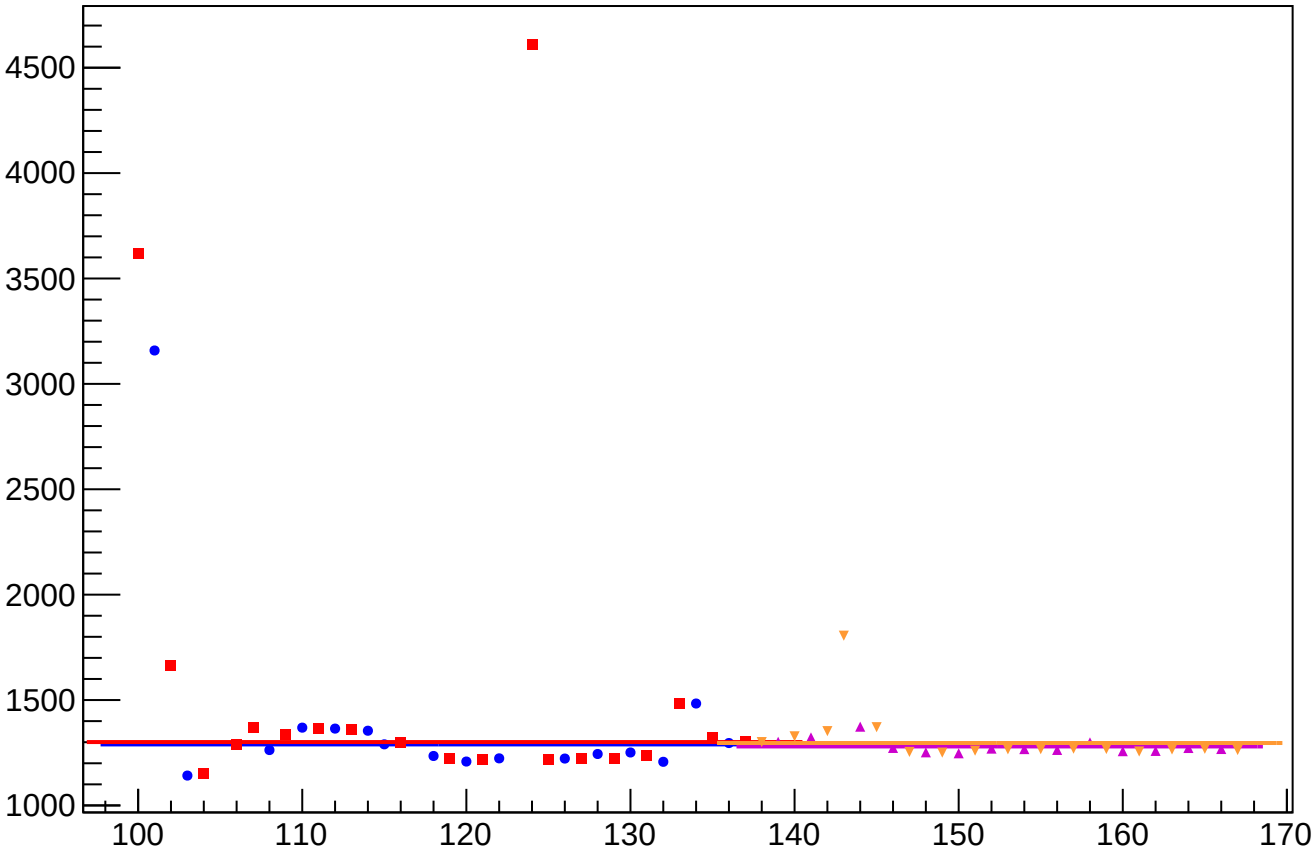
Left: 209.841+/-262.395 χ^2/NDF: 55.0/29

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -641.896+/-298.364 χ^2/NDF:23.6/29

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 10.536+/-208.926 χ^2/NDF: 87.5/64



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

Left: 1288.226+/-0.186 χ^2/NDF: 167441.3/29

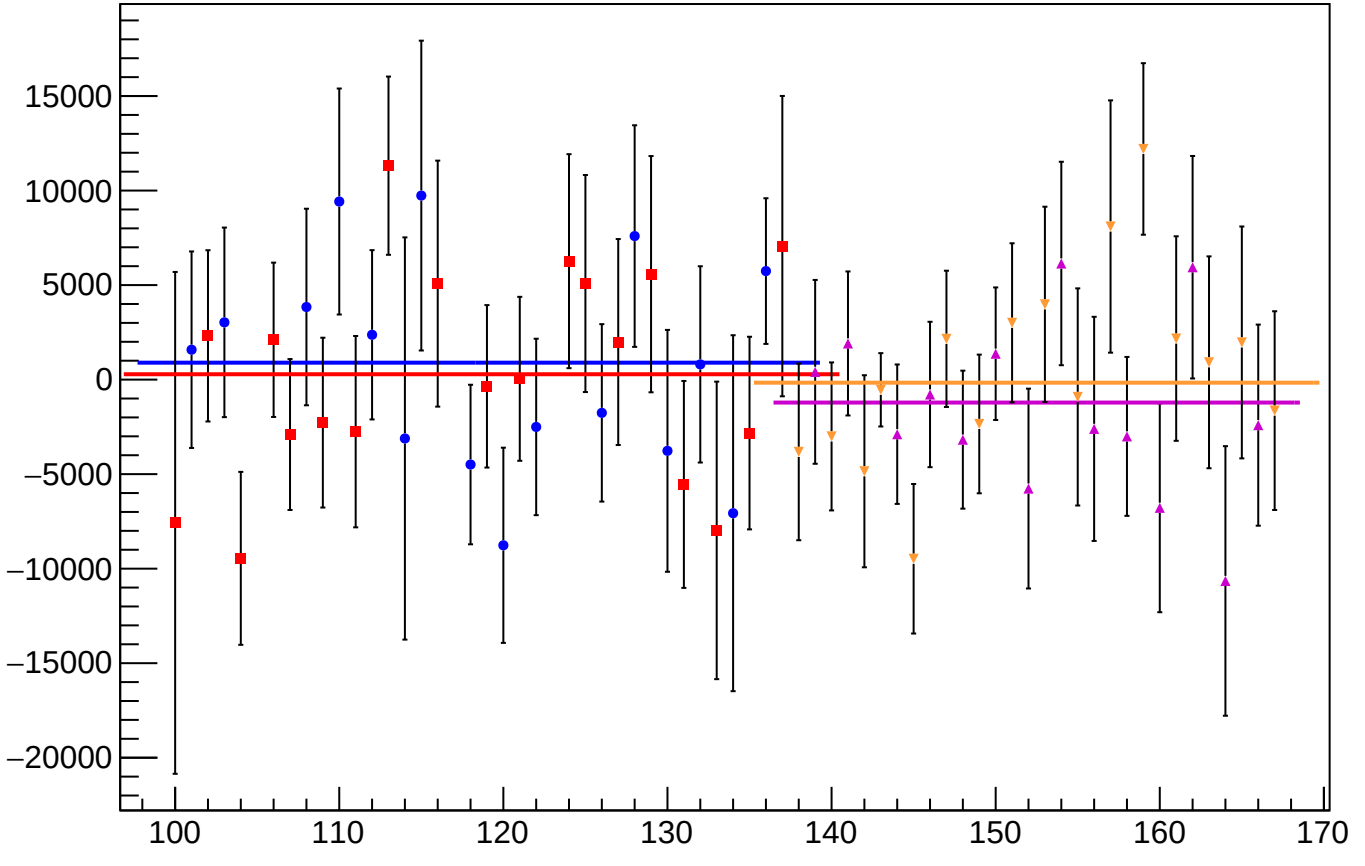
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.742+/-0.148 χ^2/NDF: 1009056.0/64

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF:19.0/15

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1214.227+/-1211.878 χ^2/NDF:9.0/13

Left: -599.851+/-781.835 χ^2/NDF: 28.4/29

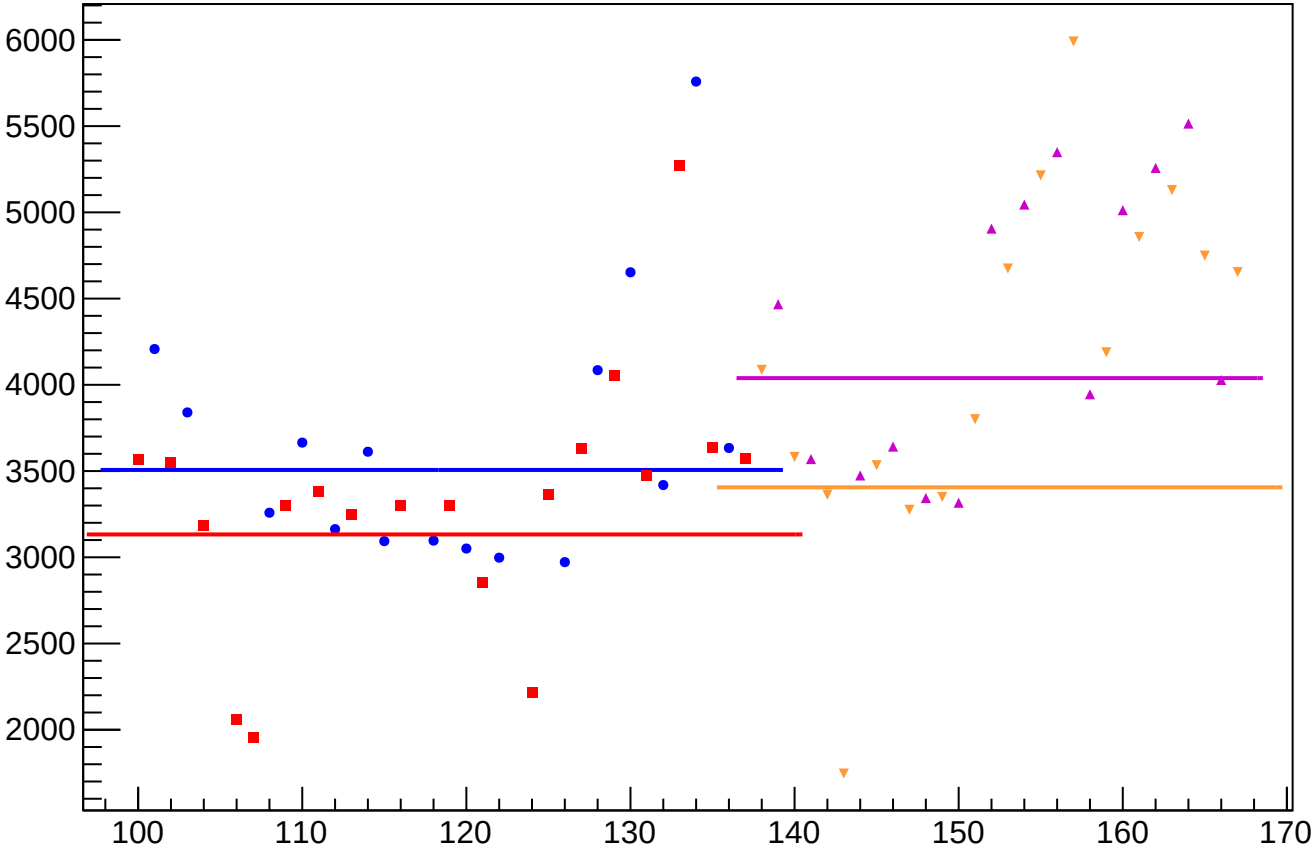
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -252.876+/-894.195 χ^2/NDF:24.4/29

Out: 28.923+/-773.964 χ^2/NDF:37.7/34

All: -91.771+/-585.202 χ^2/NDF: 62.2/64

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4038.847+/-0.857 χ^2/NDF:727705.7/13

Left: 3669.232+/-0.553 χ^2/NDF: 3800849.9/29

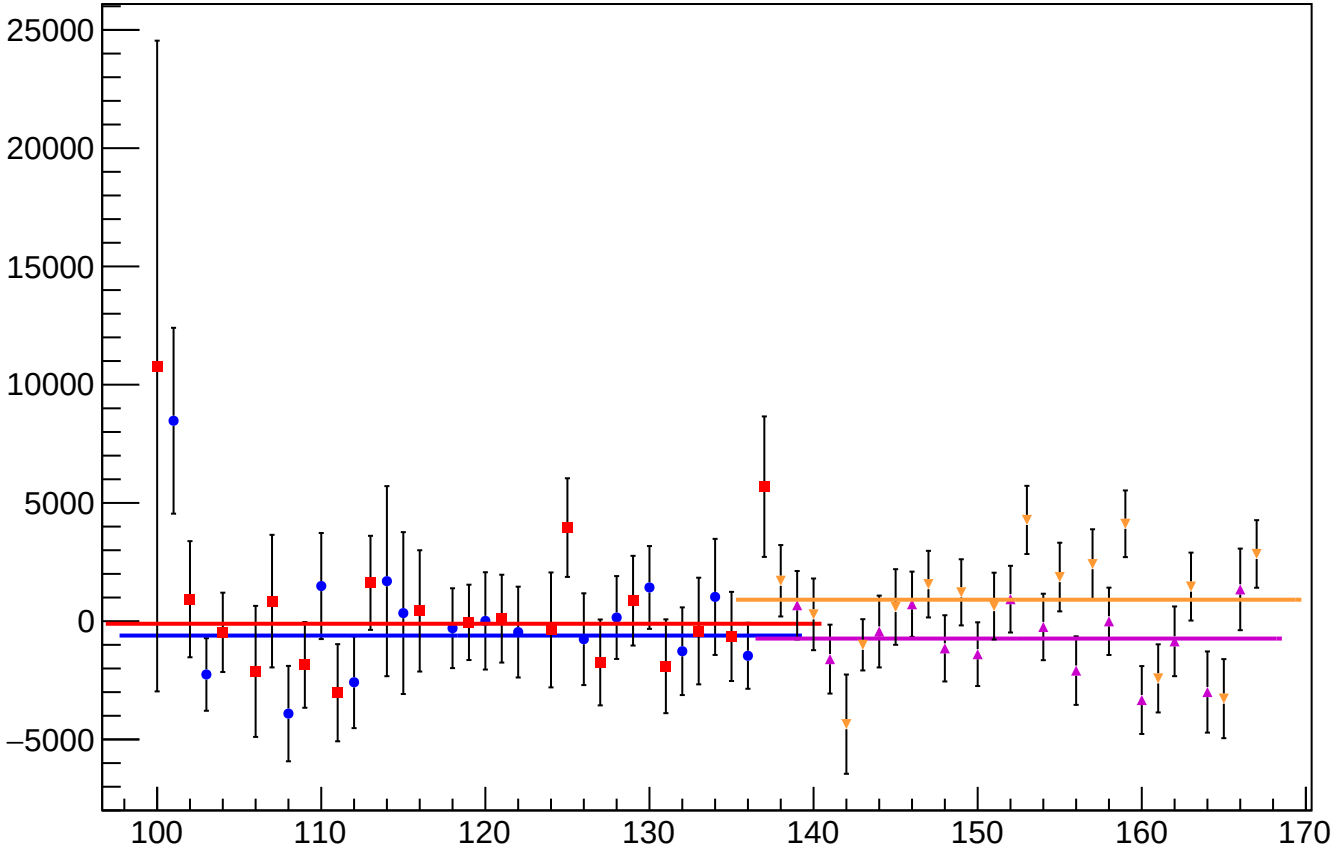
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3796.322+/-0.632 χ^2/NDF:1256767.1/29

Out: 3288.844+/-0.547 χ^2/NDF:3465049.5/34

All: 3506.196+/-0.414 χ^2/NDF: 5090089.3/64

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.293+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -735.092+/-390.137 χ^2/NDF:11.9/13

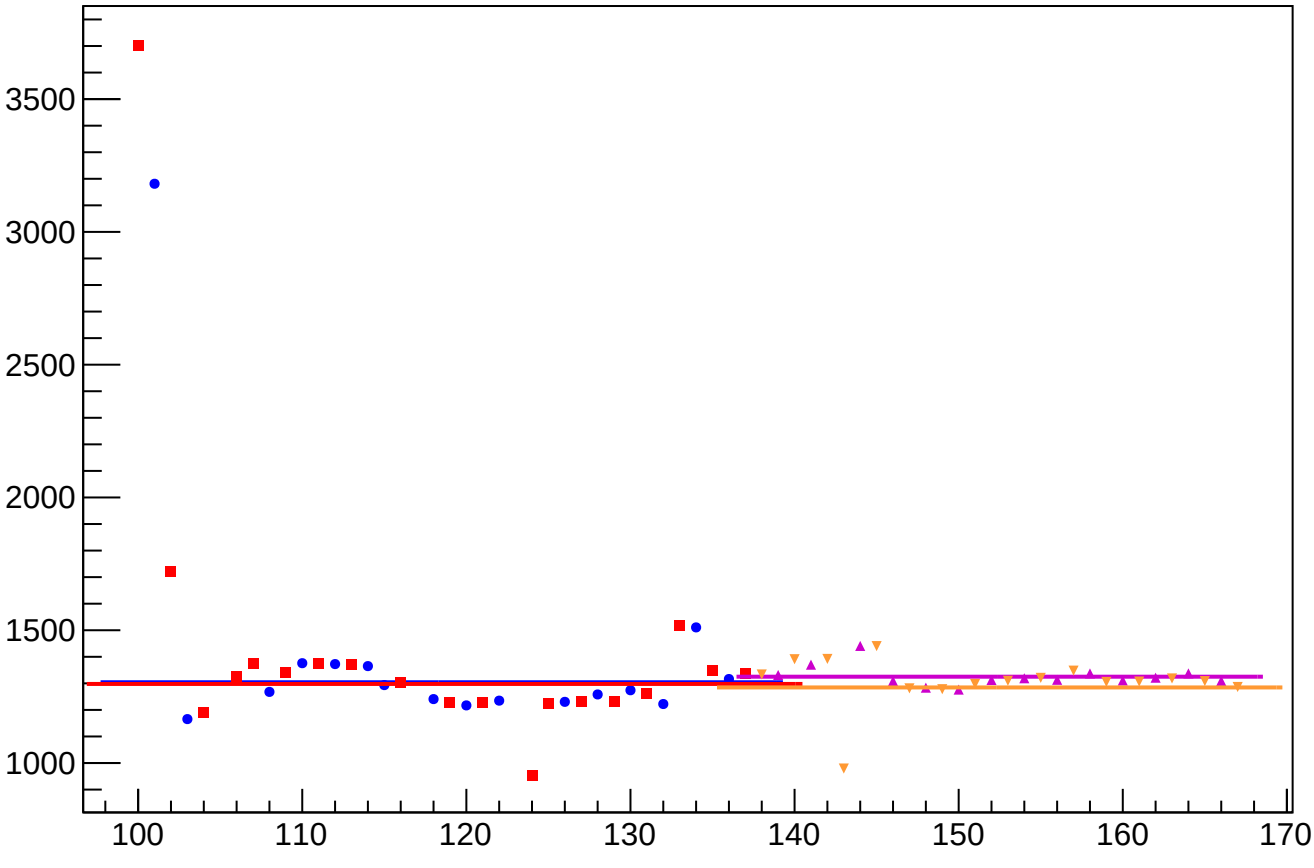
Left: 146.086+/-265.696 χ^2/NDF: 57.3/29

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -686.230+/-306.214 χ^2/NDF:26.1/29

Out: 543.905+/-290.655 χ^2/NDF:53.6/34

All: -39.118+/-210.810 χ^2/NDF: 88.1/64



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.622+/-0.257 χ^2/NDF:203050.2/15

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.084+/-0.276 χ^2/NDF:19191.5/13

Left: 1303.388+/-0.188 χ^2/NDF: 233776.5/29

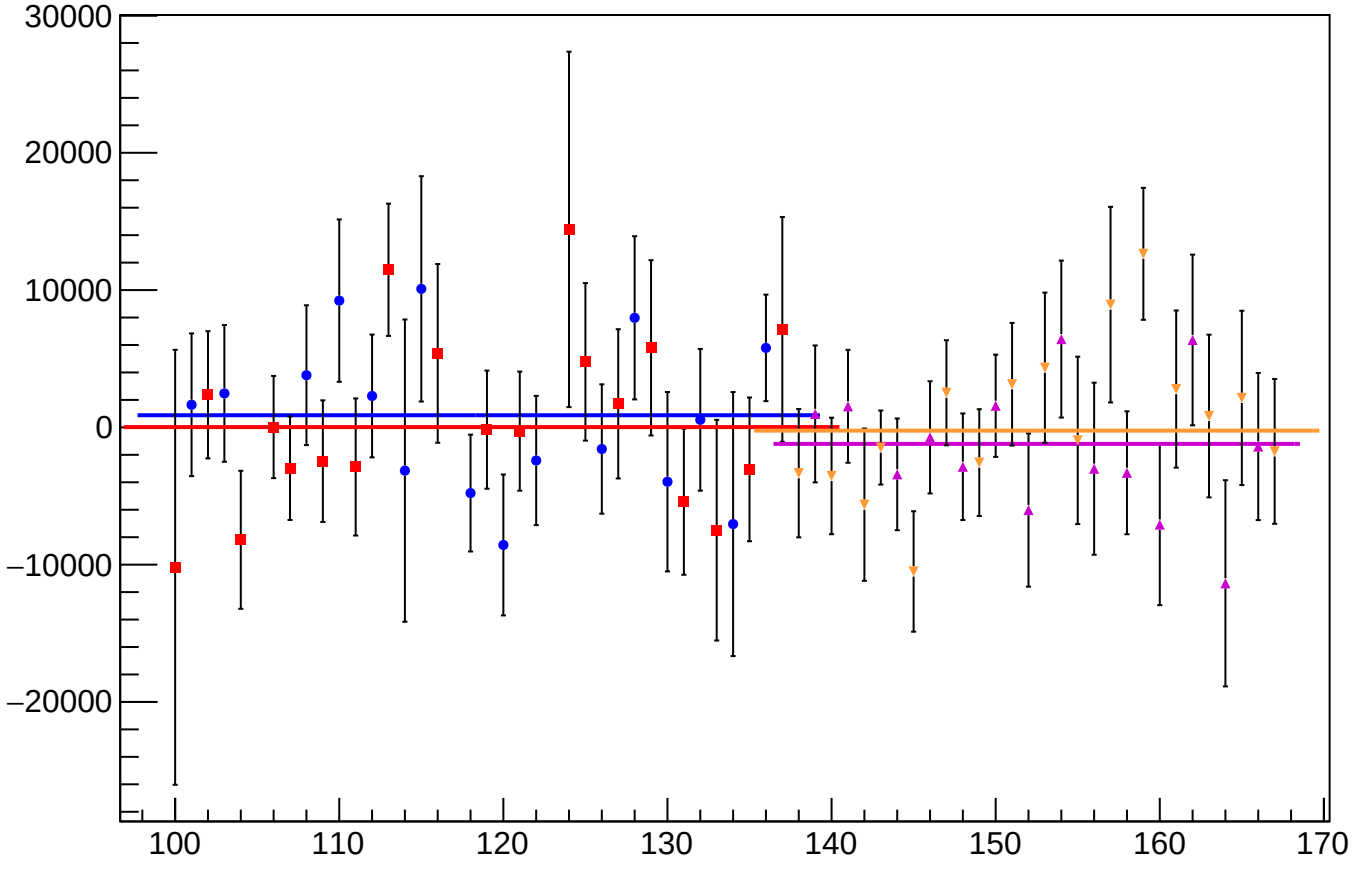
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1317.028+/-0.217 χ^2/NDF:532001.9/29

Out: 1289.347+/-0.205 χ^2/NDF:417092.7/34

All: 1302.463+/-0.149 χ^2/NDF: 957694.1/64

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -237.054+/-1154.094 χ^2/NDF:19.2/15

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1203.062+/-1287.115 χ^2/NDF:8.8/13

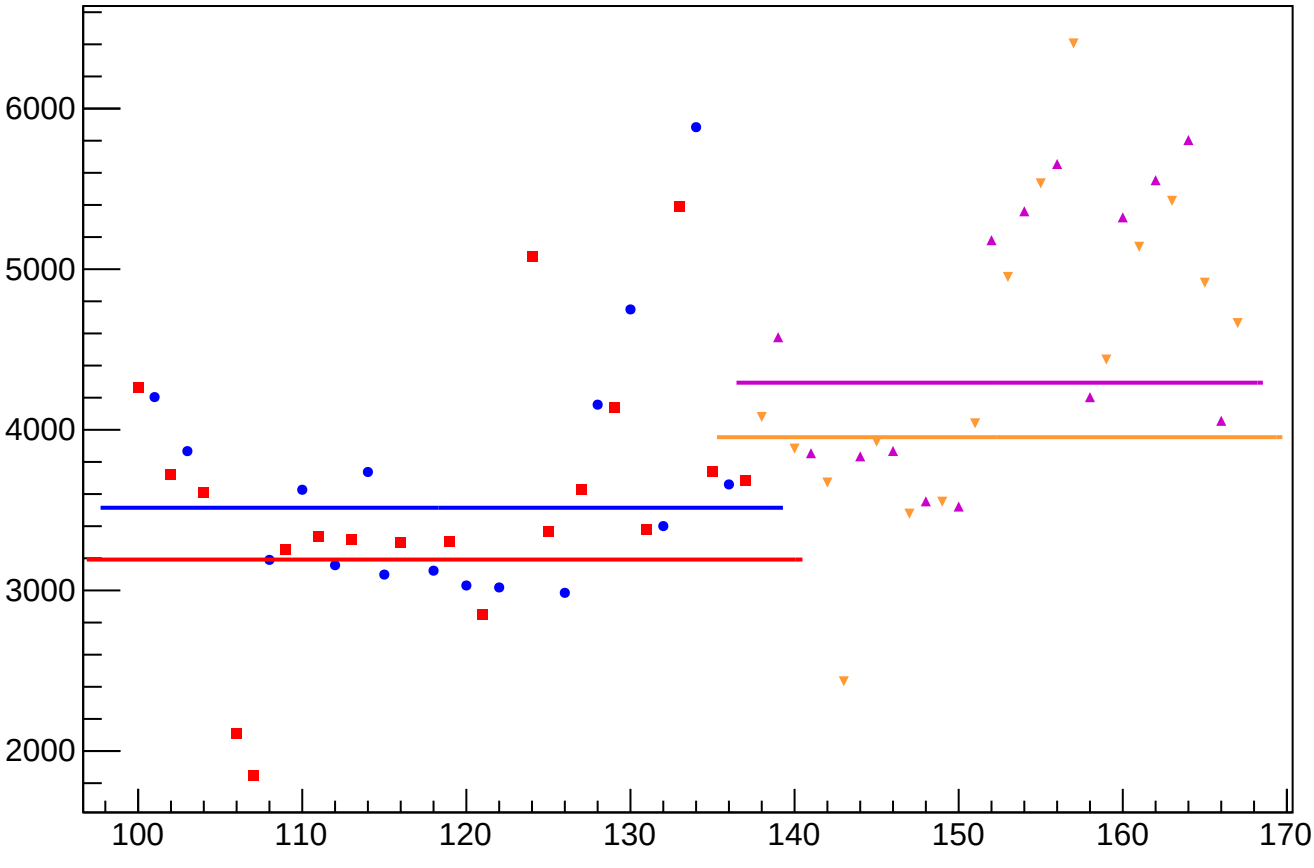
Left: -667.576+/-859.260 χ^2/NDF: 28.4/29

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: -191.653+/-924.041 χ^2/NDF:24.2/29

Out: -113.212+/-831.828 χ^2/NDF:36.1/34

All: -148.324+/-618.229 χ^2/NDF: 60.3/64



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3954.074+/-0.816 χ^2/NDF:1444498.7/15

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4293.404+/-0.910 χ^2/NDF:678584.3/13

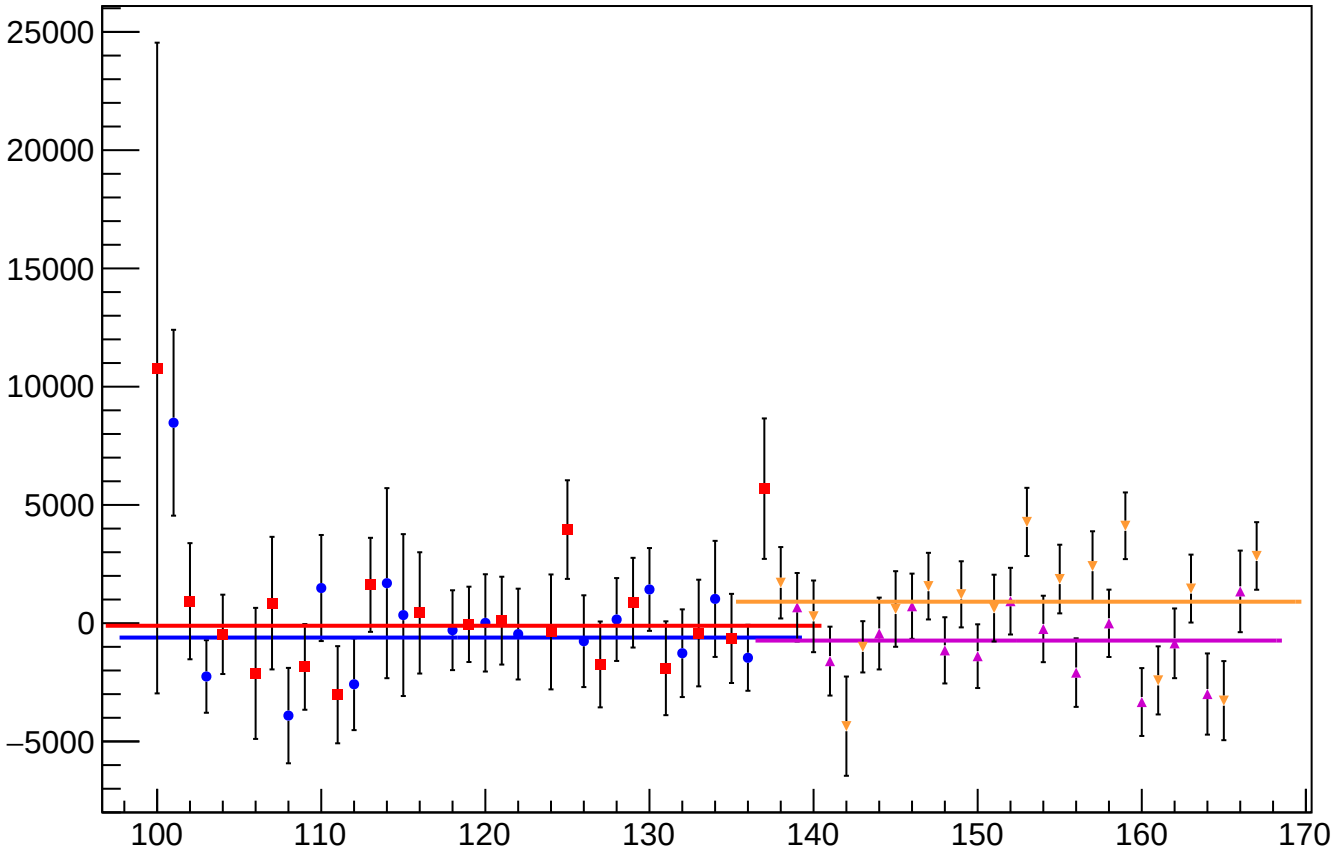
Left: 4105.304+/-0.608 χ^2/NDF: 2200139.0/29

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3916.069+/-0.653 χ^2/NDF:1408369.1/29

Out: 3587.995+/-0.588 χ^2/NDF:2635791.7/34

All: 3734.850+/-0.437 χ^2/NDF: 4183420.4/64



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.299+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -735.094+/-390.138 χ^2/NDF:11.9/13

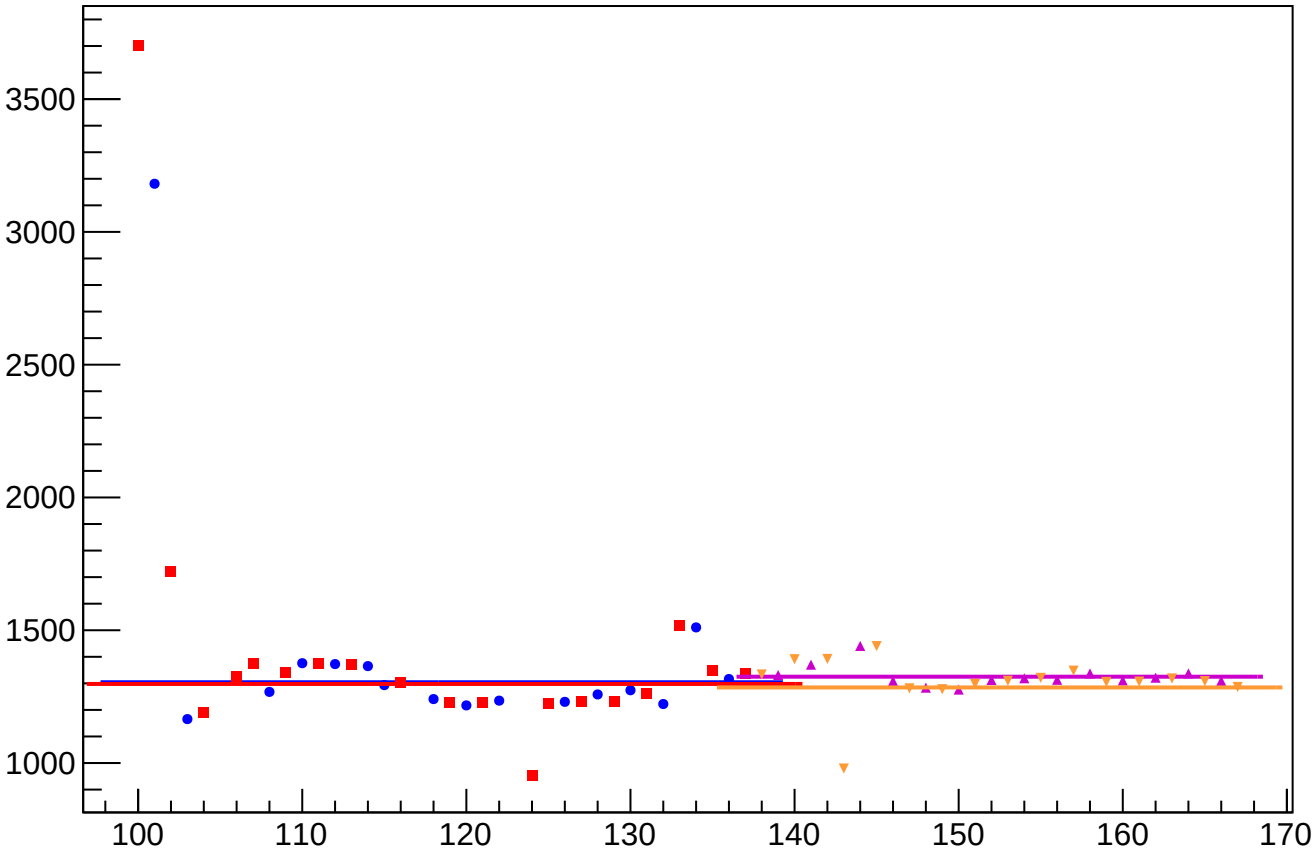
Left: 146.089+/-265.696 χ^2/NDF: 57.3/29

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -686.232+/-306.214 χ^2/NDF:26.1/29

Out: 543.906+/-290.655 χ^2/NDF:53.6/34

All: -39.118+/-210.810 χ^2/NDF: 88.1/64



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.623+/-0.257 χ^2/NDF:203050.9/15

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.085+/-0.276 χ^2/NDF:19191.6/13

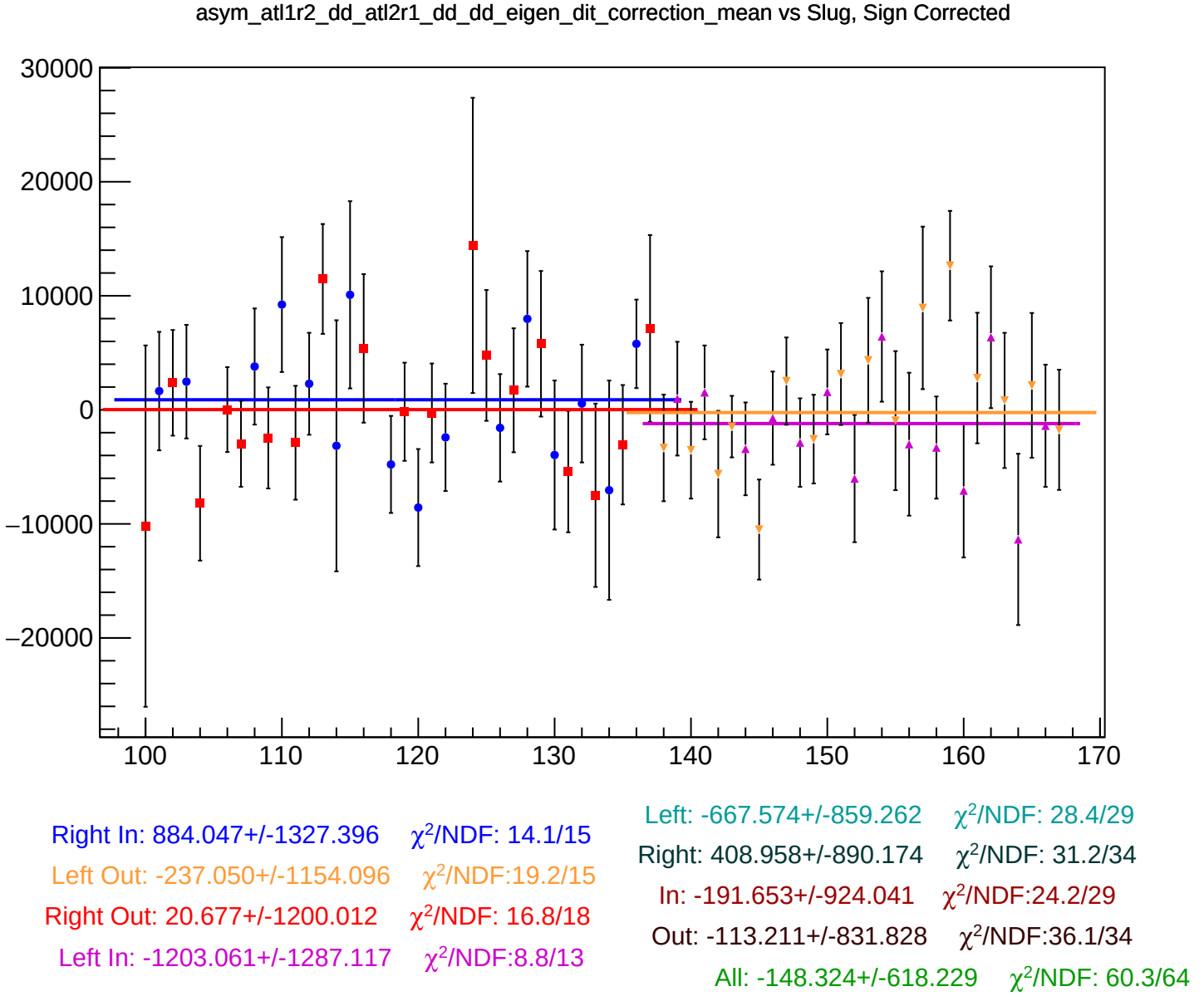
Left: 1303.390+/-0.188 χ^2/NDF: 233777.4/29

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

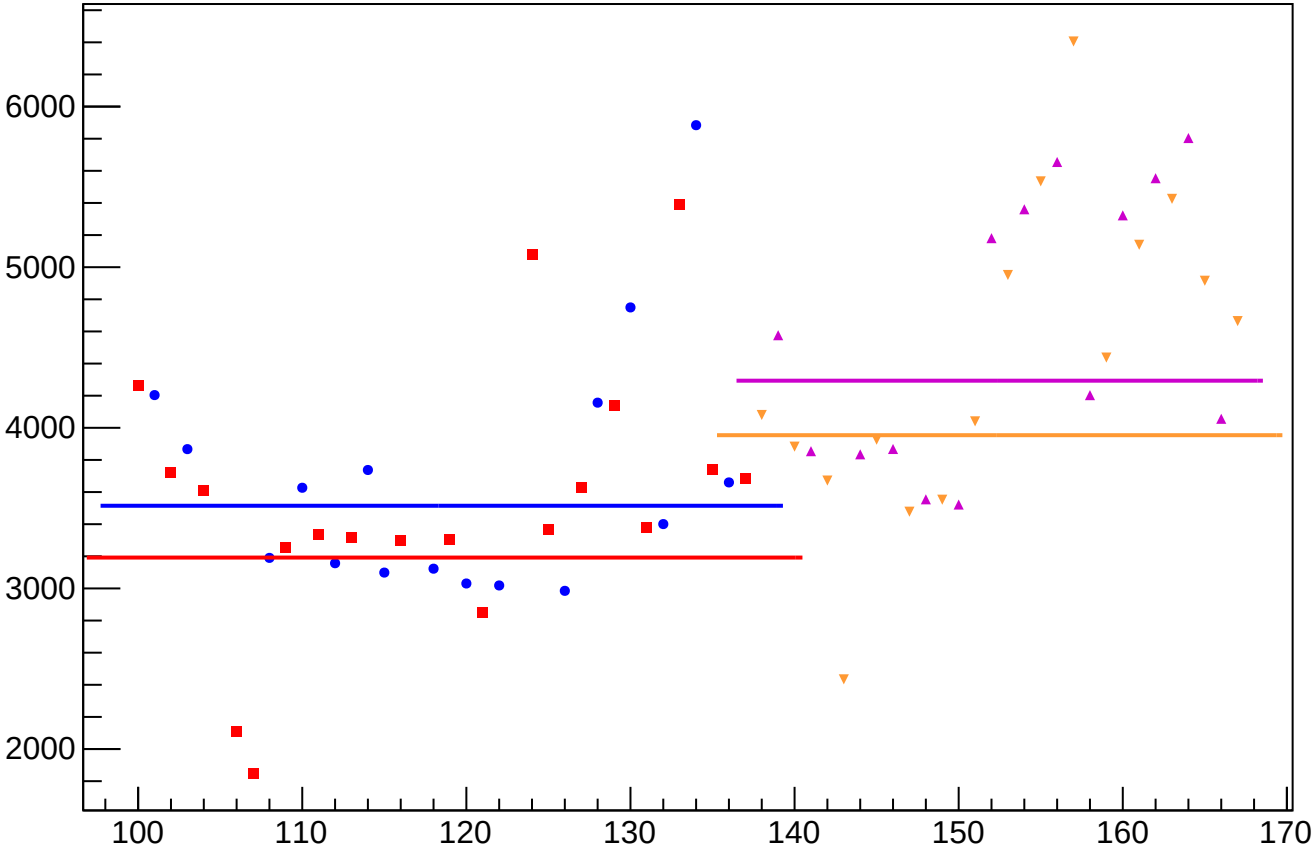
In: 1317.029+/-0.217 χ^2/NDF:532002.4/29

Out: 1289.348+/-0.205 χ^2/NDF:417093.3/34

All: 1302.464+/-0.149 χ^2/NDF: 957695.3/64


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -237.050+/-1154.096 χ²/NDF:19.2/15
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1203.061+/-1287.117 χ²/NDF:8.8/13
Left: -667.574+/-859.262 χ²/NDF: 28.4/29
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -191.653+/-924.041 χ²/NDF:24.2/29
Out: -113.211+/-831.828 χ²/NDF:36.1/34
All: -148.324+/-618.229 χ²/NDF: 60.3/64

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3954.080+/-0.816 χ^2/NDF:1444500.9/15

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4293.410+/-0.910 χ^2/NDF:678585.8/13

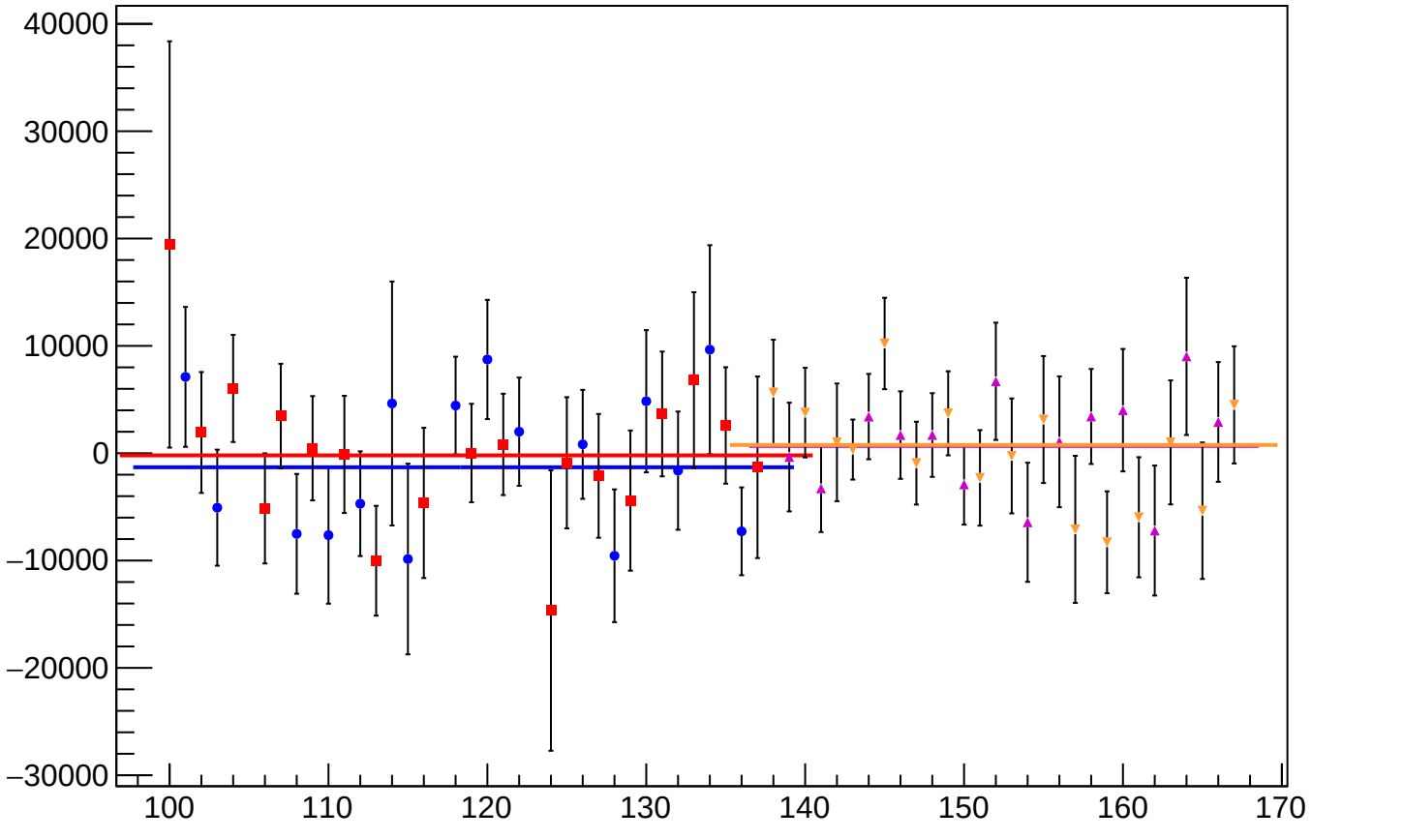
Left: 4105.310+/-0.608 χ^2/NDF: 2200142.6/29

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3916.067+/-0.653 χ^2/NDF:1408389.1/29

Out: 3587.992+/-0.588 χ^2/NDF:2635811.6/34

All: 3734.847+/-0.437 χ^2/NDF: 4183460.0/64



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 770.252+/-1156.771 χ^2/NDF:15.7/15

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 681.934+/-1277.622 χ^2/NDF:9.2/13

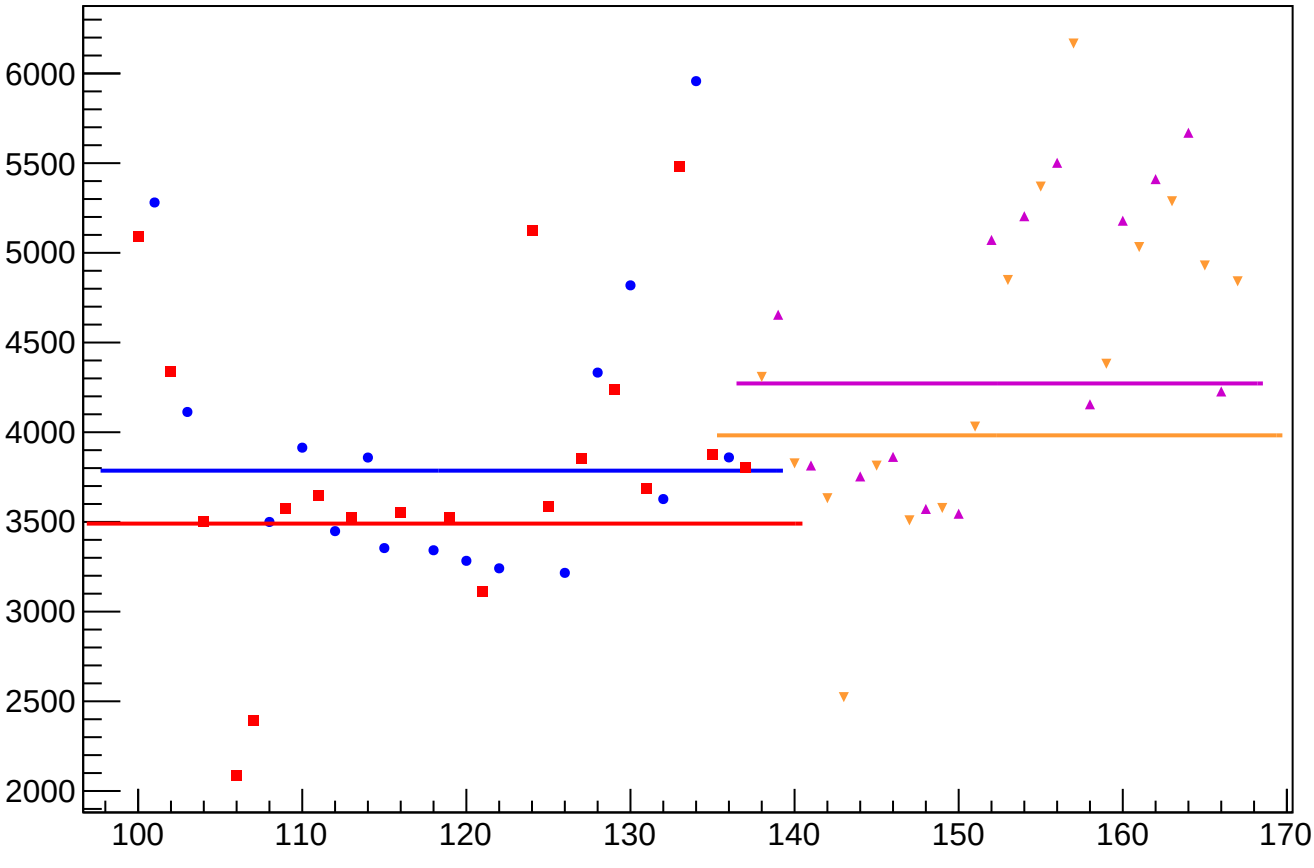
Left: 730.466+/-857.511 χ^2/NDF: 25.0/29

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -200.882+/-953.230 χ^2/NDF:27.9/29

Out: 353.867+/-874.532 χ^2/NDF:27.7/34

All: 100.334+/-644.416 χ^2/NDF: 55.7/64



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF:1266133.9/15

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4271.917+/-0.903 χ^2/NDF:606988.2/13

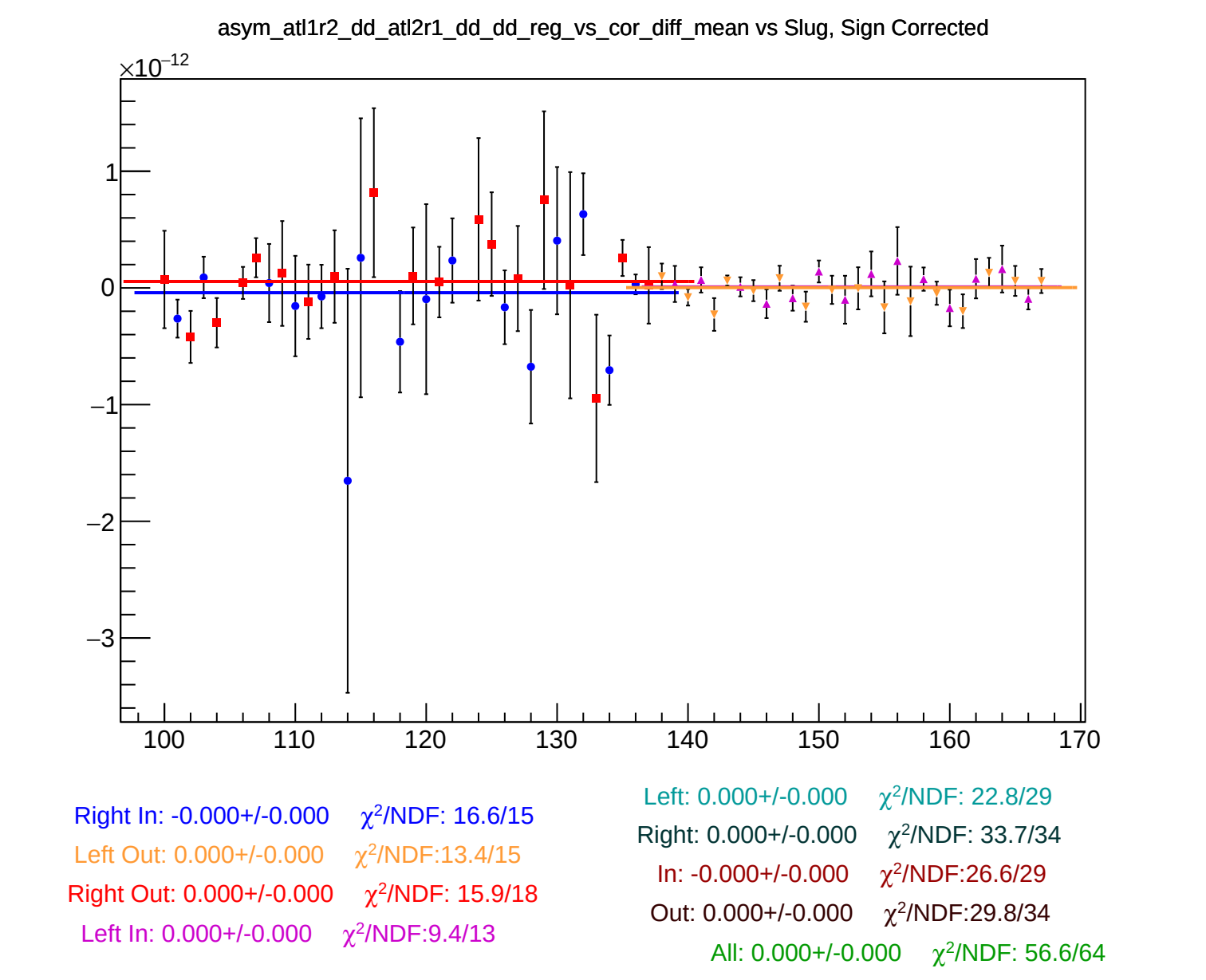
Left: 4112.933+/-0.606 χ^2/NDF: 1929479.1/29

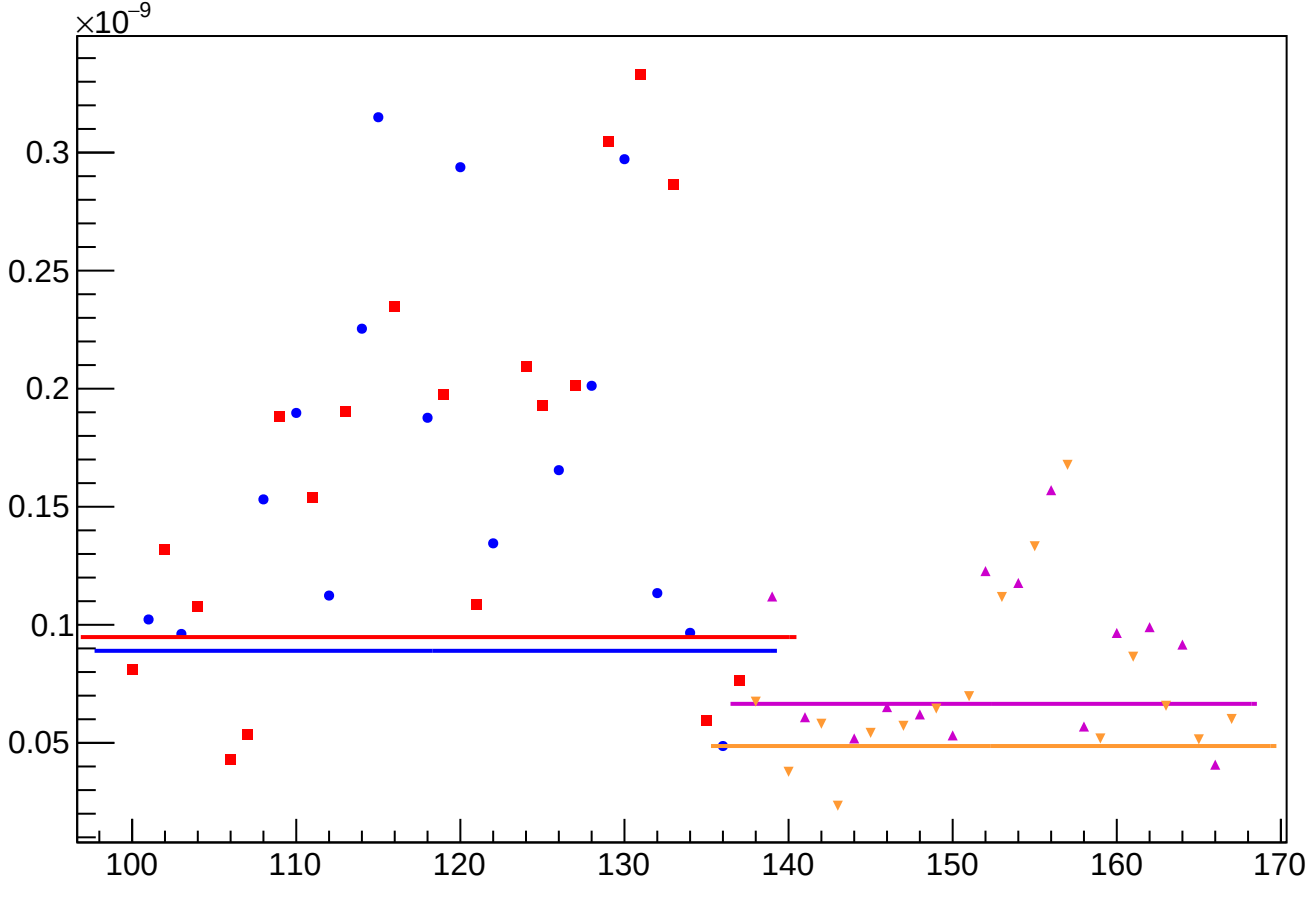
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4056.388+/-0.674 χ^2/NDF:1118360.3/29

Out: 3768.497+/-0.615 χ^2/NDF:2010290.2/34

All: 3899.224+/-0.454 χ^2/NDF: 3228241.3/64


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:9.4/13
Left: 0.000+/-0.000 χ²/NDF: 22.8/29
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:26.6/29
Out: 0.000+/-0.000 χ²/NDF:29.8/34
All: 0.000+/-0.000 χ²/NDF: 56.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1941642.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1128190.6/13

Left: 0.000+/-0.000 χ^2/NDF: 3444879.0/29

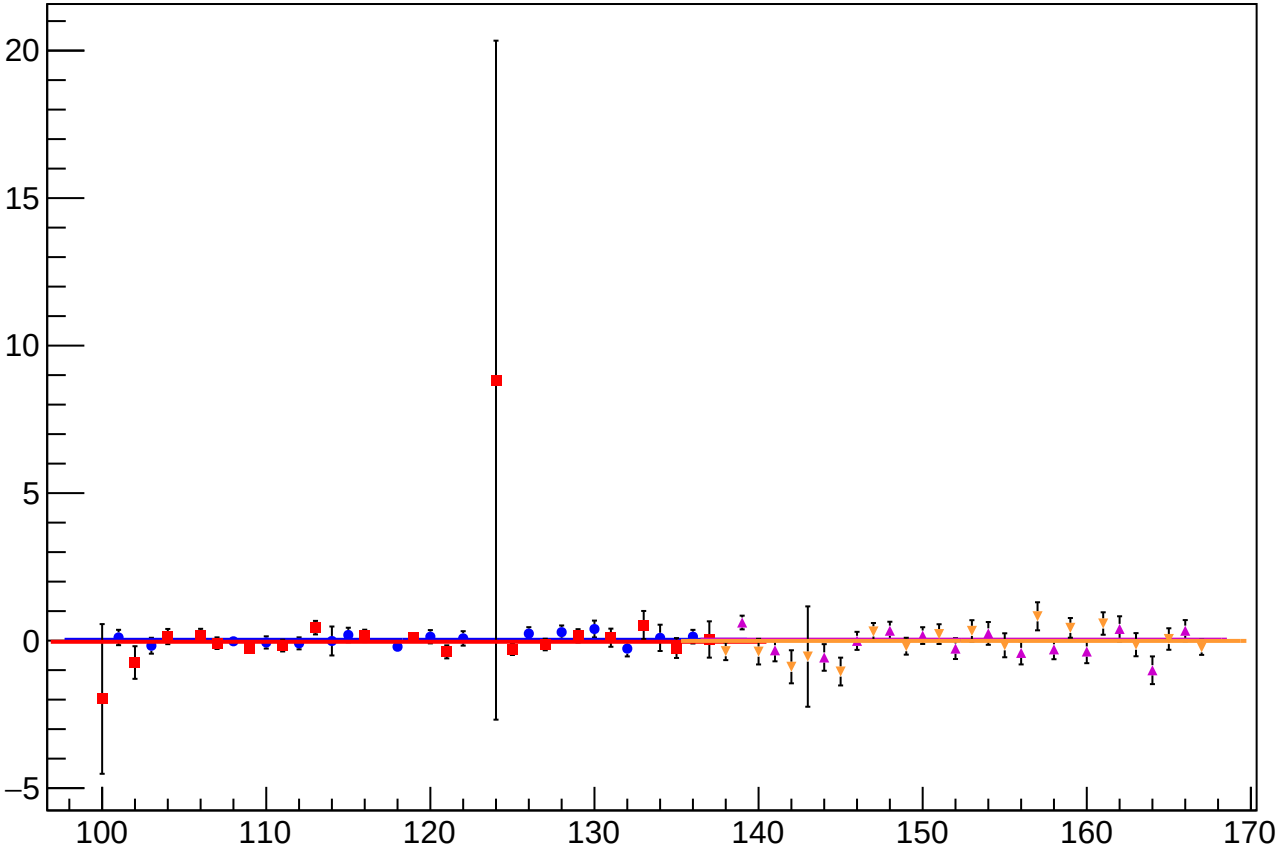
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2809987.2/29

Out: 0.000+/-0.000 χ^2/NDF:4580235.9/34

All: 0.000+/-0.000 χ^2/NDF: 7820335.9/64

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

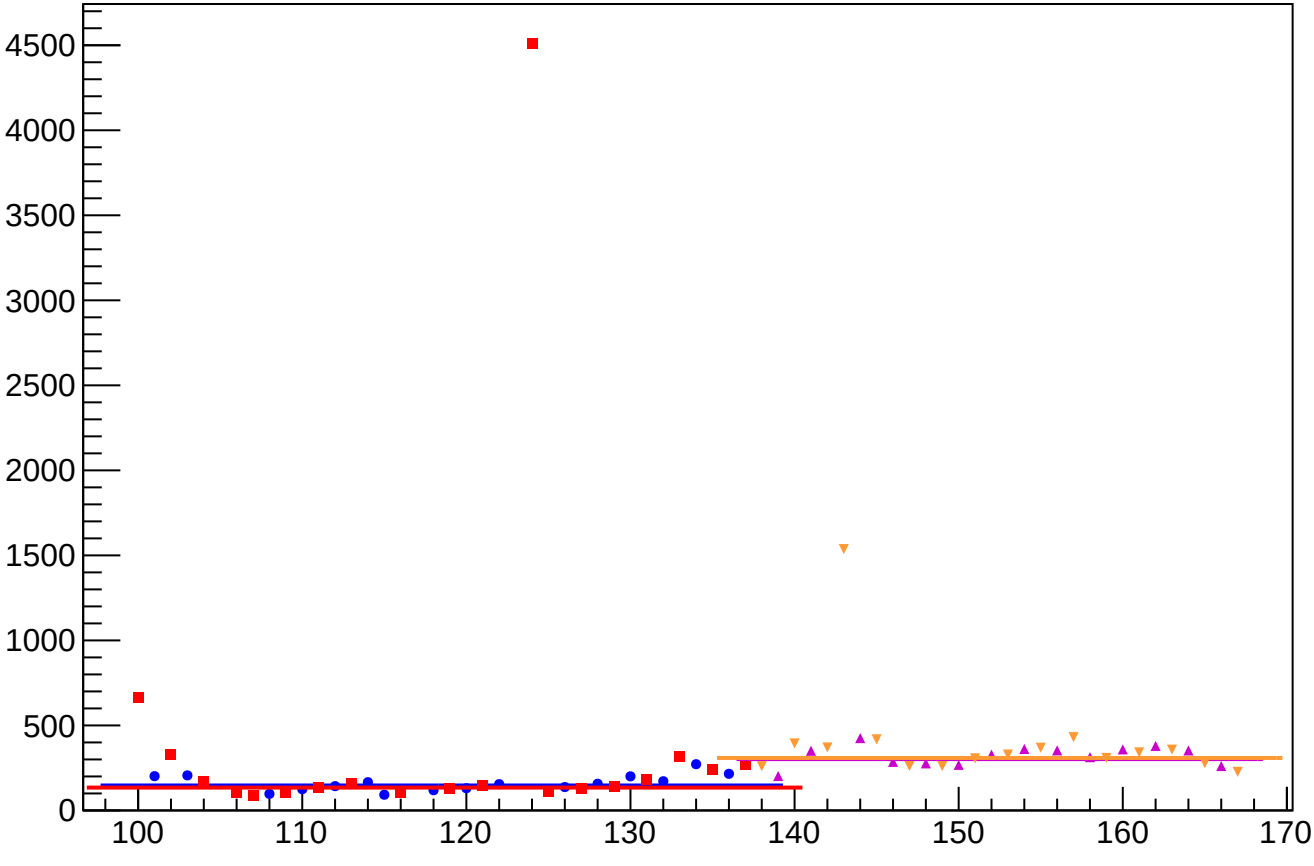
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

Left: 305.411+/-0.046 χ^2/NDF: 2711485.2/29

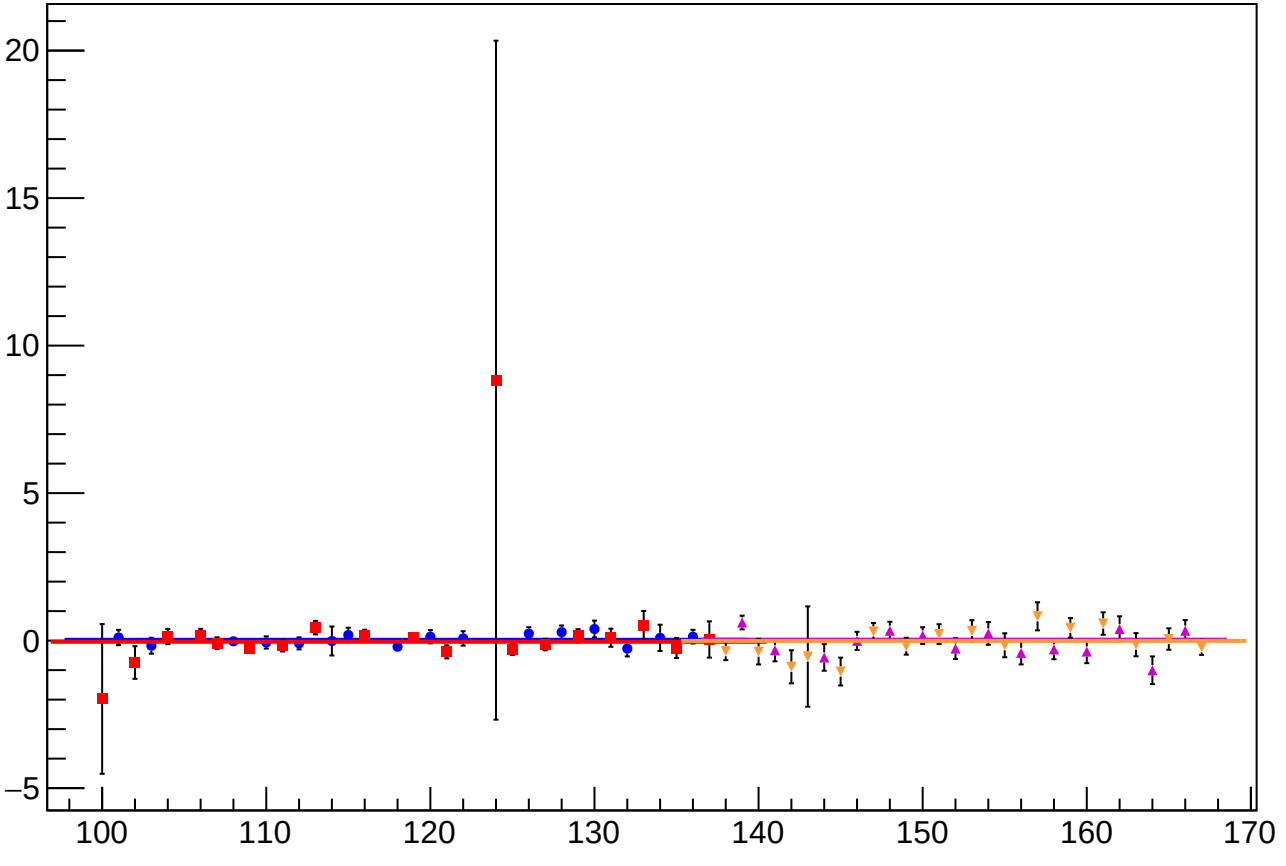
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 185.611+/-0.024 χ^2/NDF: 14832301.6/64

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

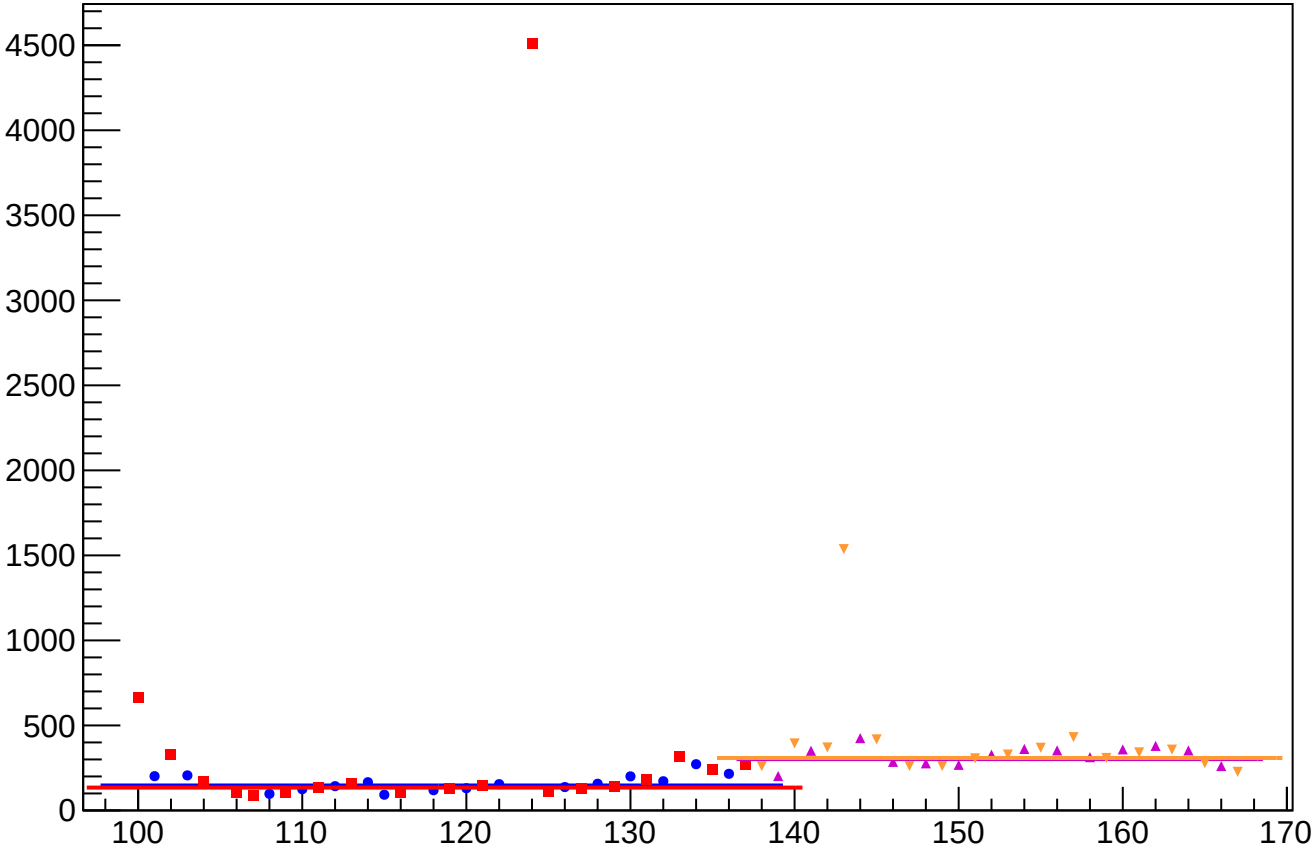
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

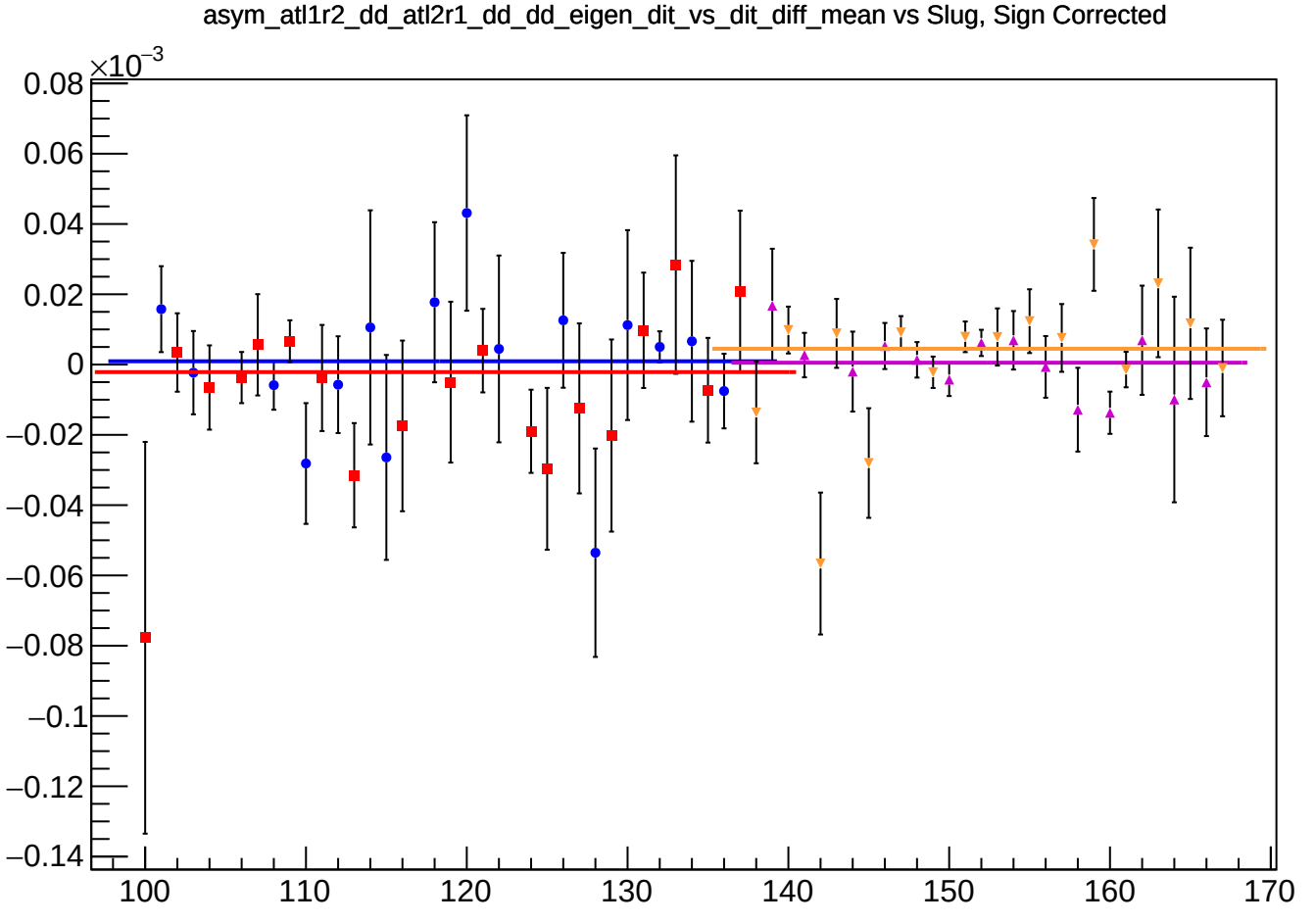
Left: 305.411+/-0.046 χ^2/NDF: 2711485.2/29

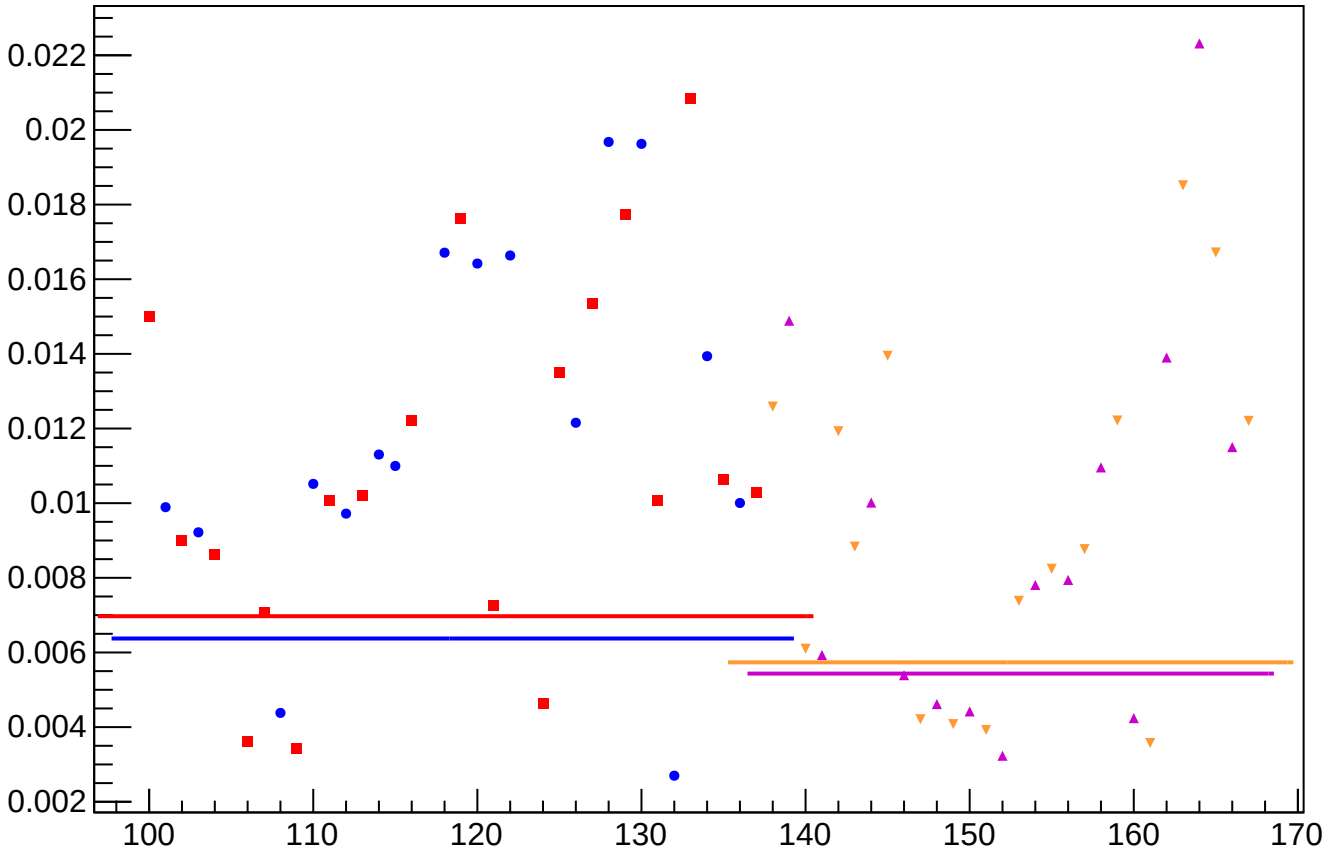
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 185.611+/-0.024 χ^2/NDF: 14832301.6/64


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.3/15
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:13.0/13
Left: 0.000+/-0.000 χ²/NDF: 43.5/29
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:27.9/29
Out: 0.000+/-0.000 χ²/NDF:47.8/34
All: 0.000+/-0.000 χ²/NDF: 76.5/64



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5220472.8/15

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4269470.8/13

Left: 0.006+/-0.000 χ^2/NDF: 9515991.0/29

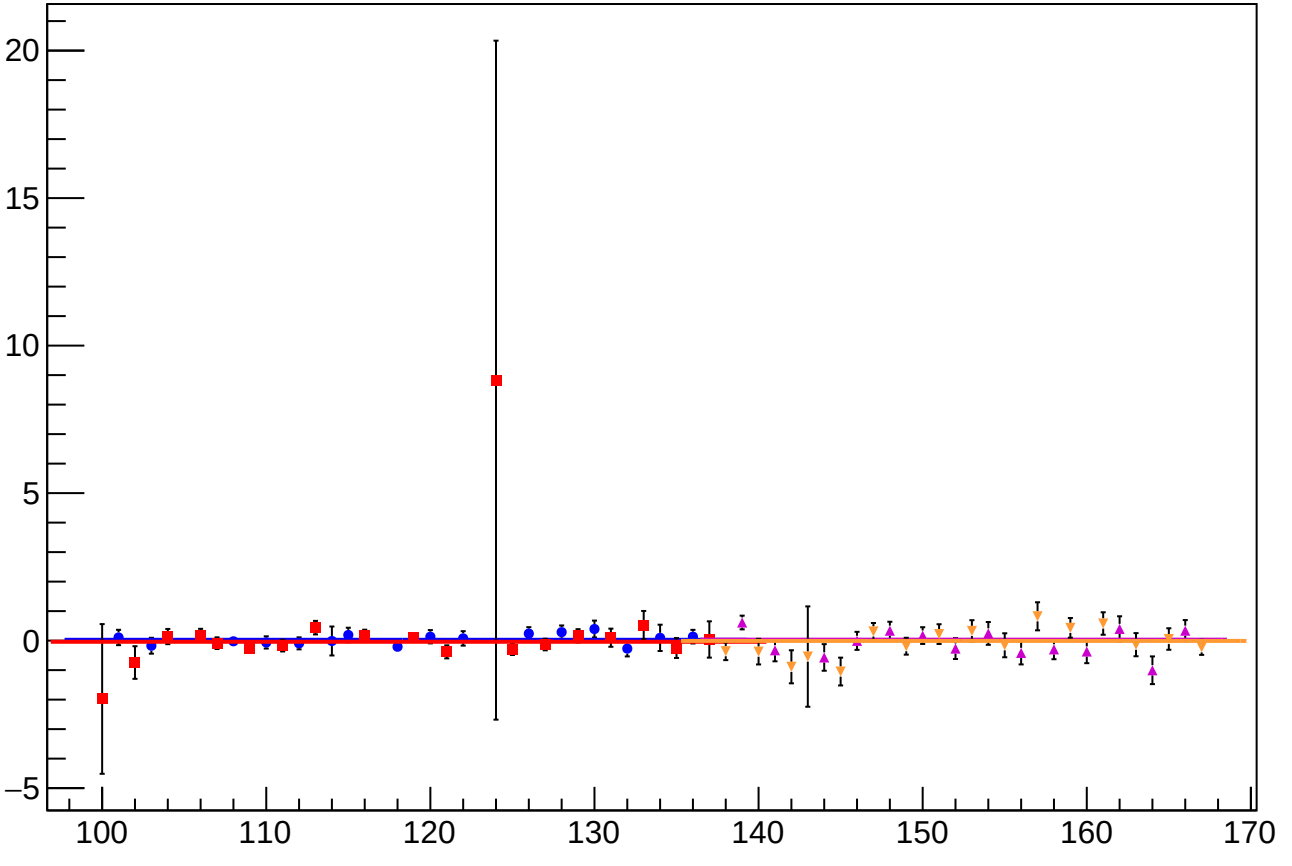
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:9056088.5/29

Out: 0.006+/-0.000 χ^2/NDF:8873534.4/34

All: 0.006+/-0.000 χ^2/NDF: 17985534.8/64

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

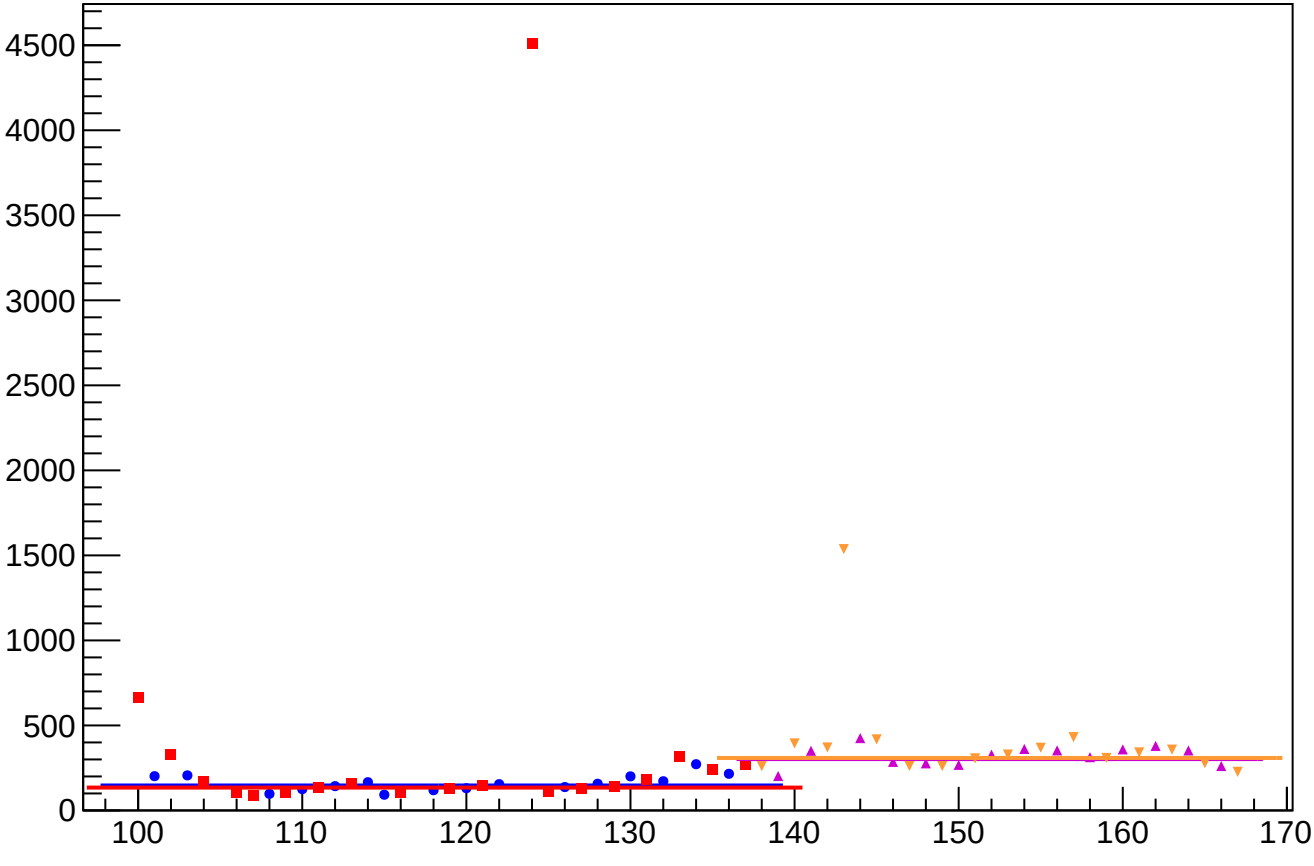
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

Left: 305.415+/-0.046 χ^2/NDF: 2711497.4/29

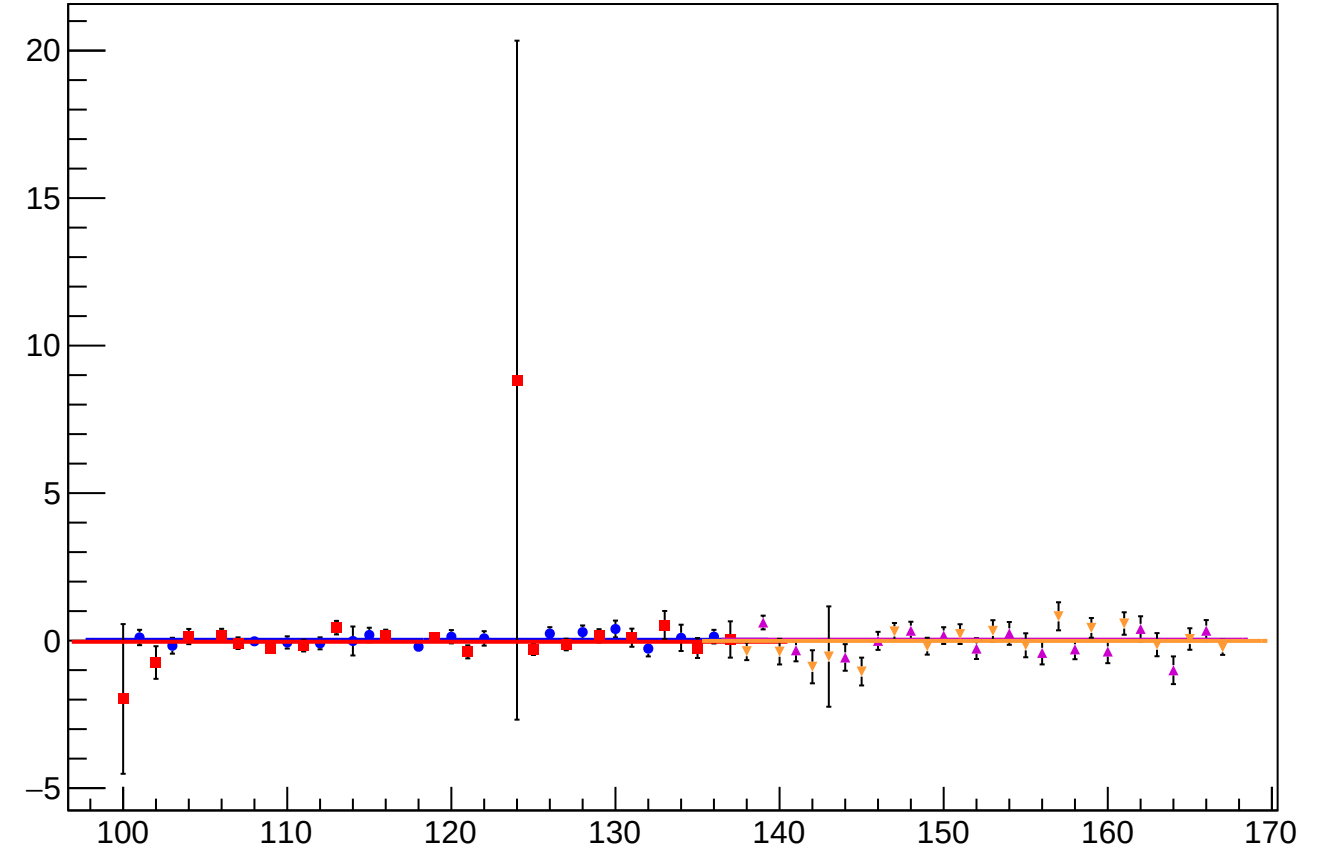
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 185.612+/-0.024 χ^2/NDF: 14832371.8/64

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.011+/-0.065 χ^2/NDF: 41.6/29

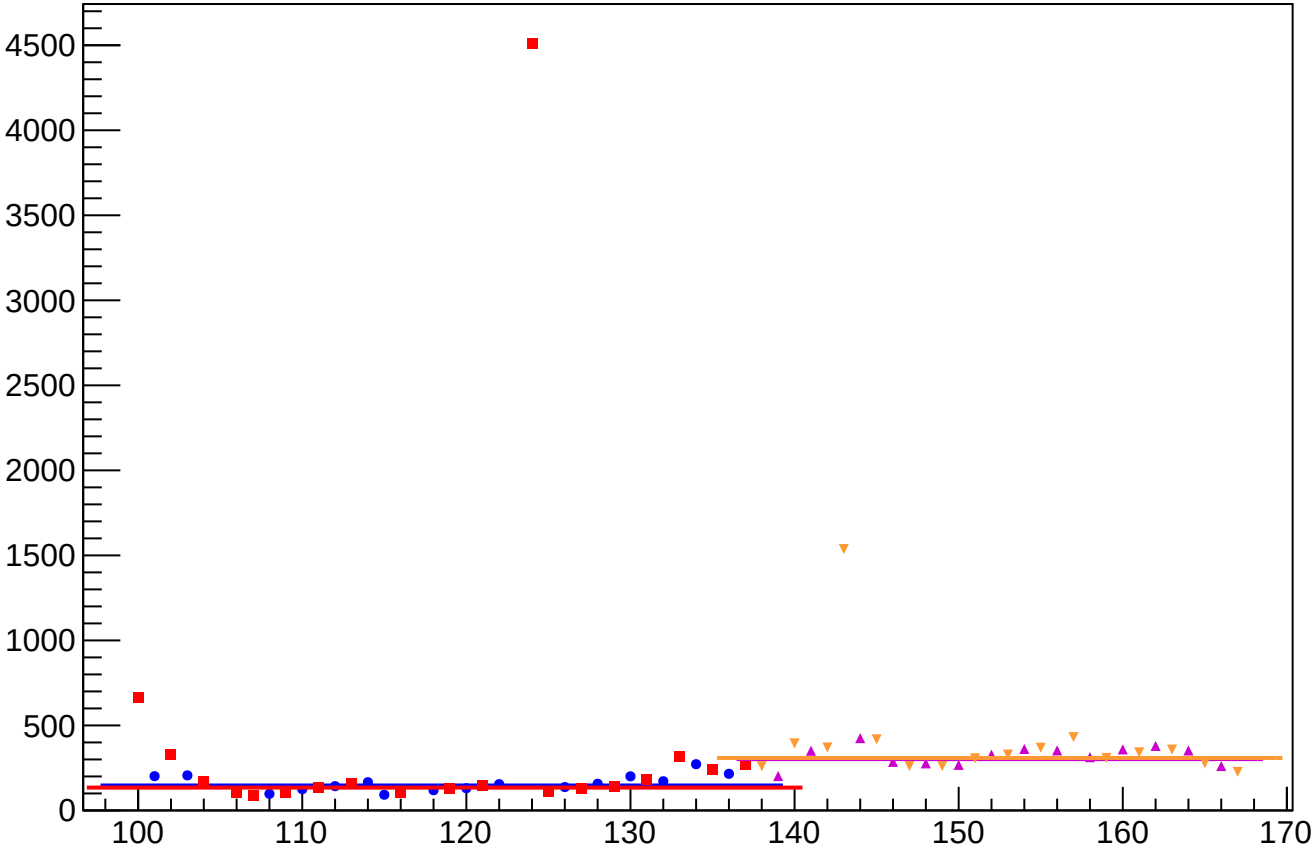
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: -0.002+/-0.034 χ^2/NDF: 71.8/64

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

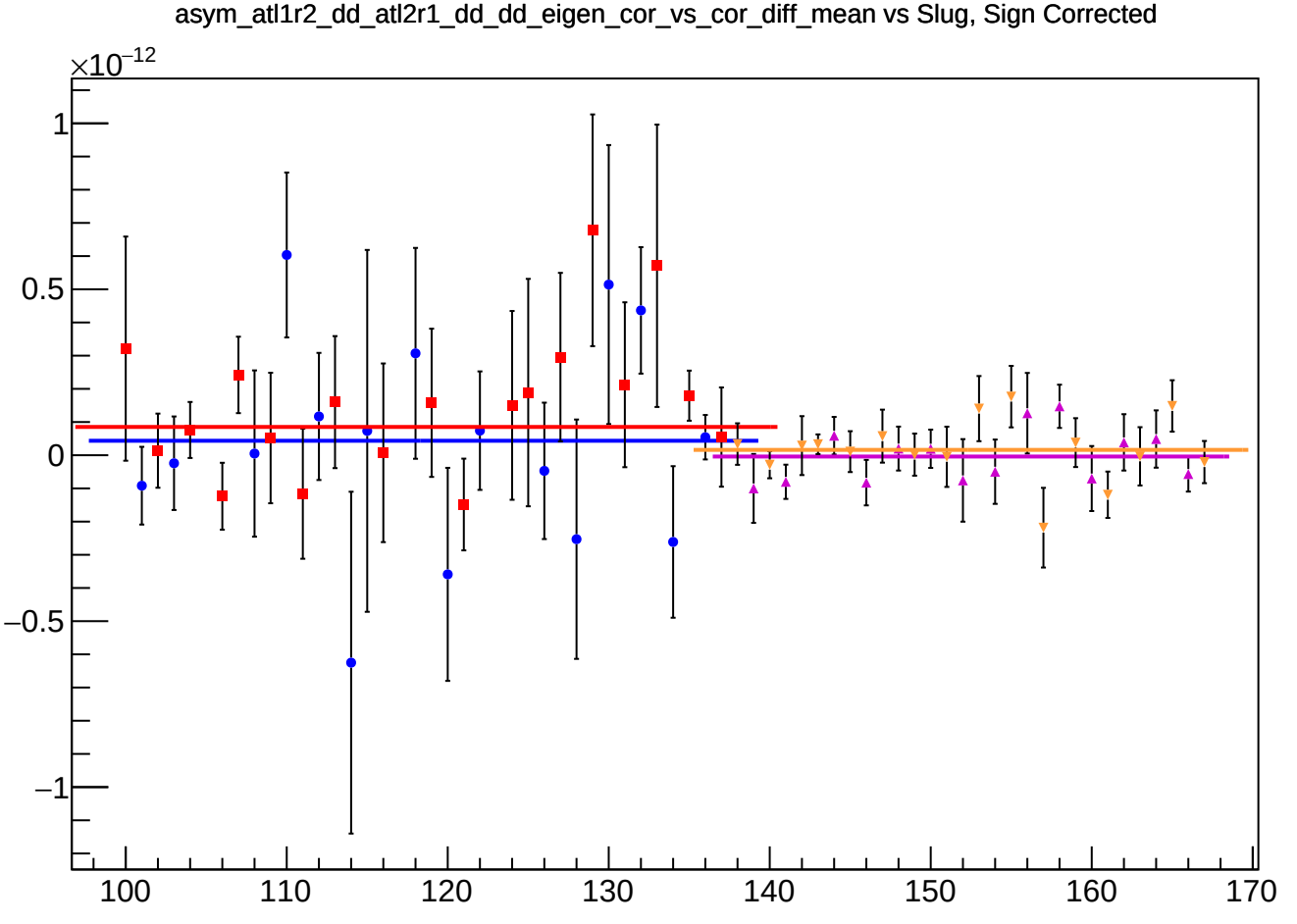
Left: 305.415+/-0.046 χ^2/NDF: 2711497.4/29

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 185.612+/-0.024 χ^2/NDF: 14832371.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/13

Left: 0.000+/-0.000 χ^2/NDF: 33.3/29

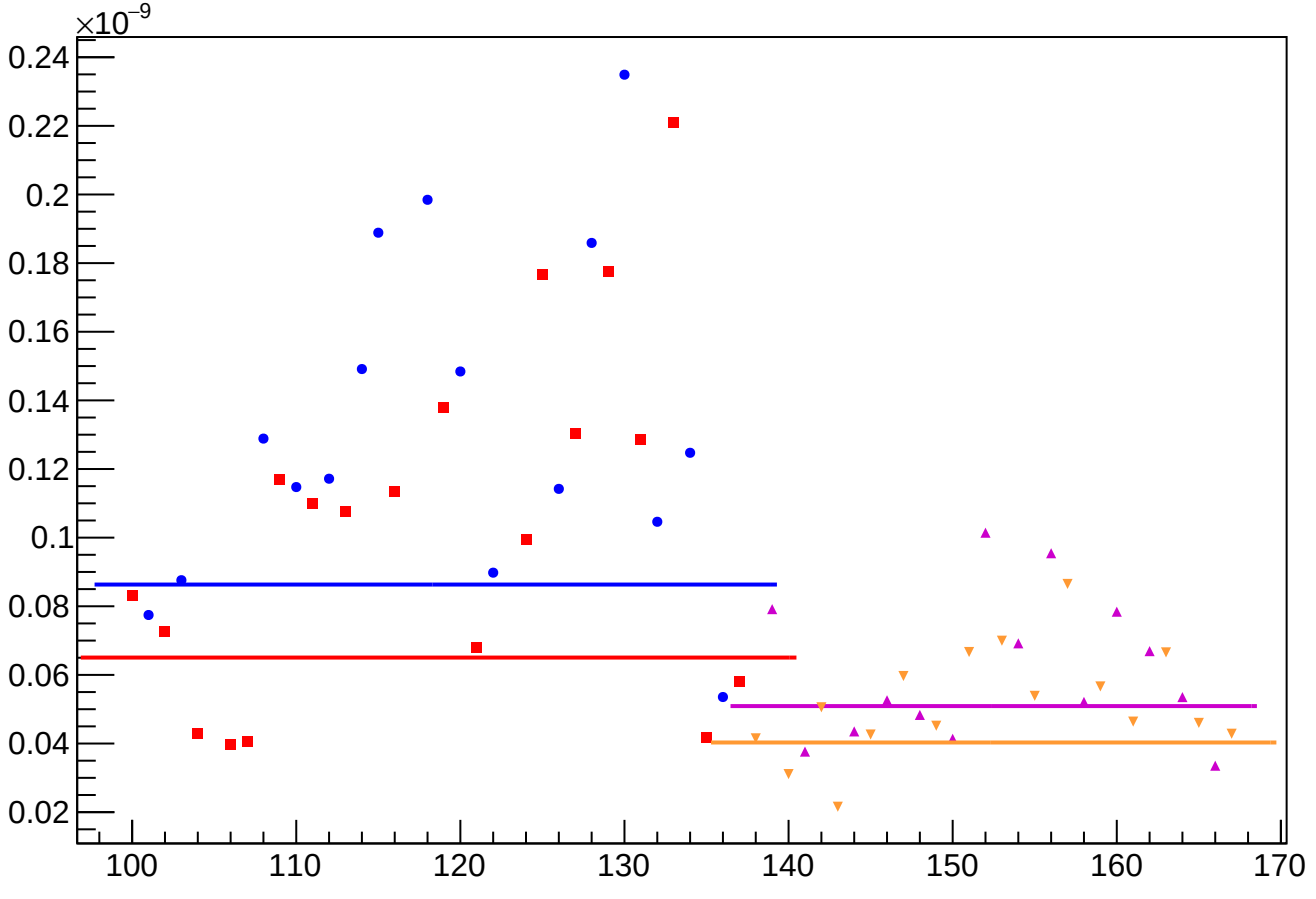
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/29

Out: 0.000+/-0.000 χ^2/NDF:39.1/34

All: 0.000+/-0.000 χ^2/NDF: 75.3/64

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1490918.5/13

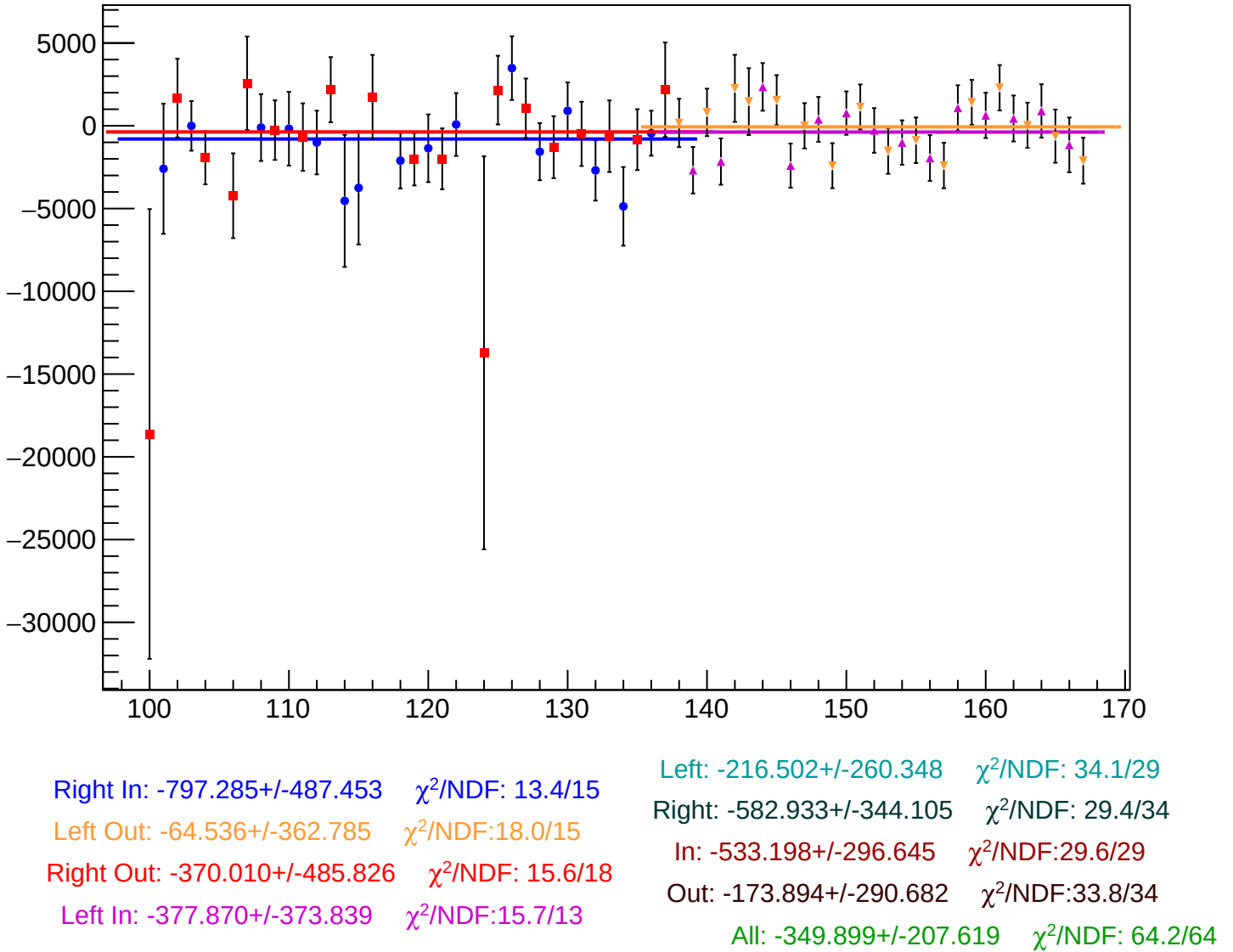
Left: 0.000+/-0.000 χ^2/NDF: 3917360.1/29

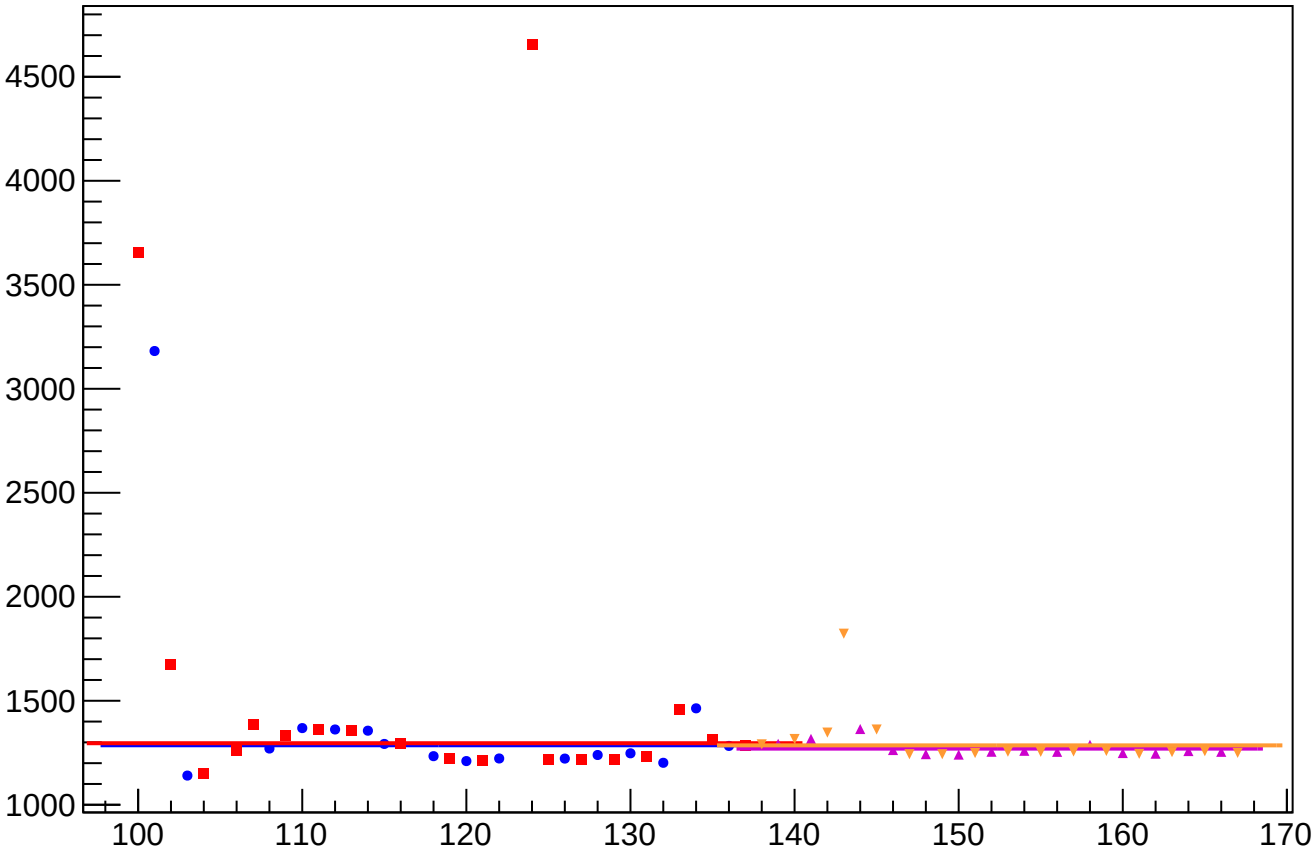
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4200915.6/29

Out: 0.000+/-0.000 χ^2/NDF:5081557.8/34

All: 0.000+/-0.000 χ^2/NDF: 9879379.1/64


reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: -64.536+/-362.785 χ²/NDF:18.0/15
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -377.870+/-373.839 χ²/NDF:15.7/13
Left: -216.502+/-260.348 χ²/NDF: 34.1/29
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -533.198+/-296.645 χ²/NDF:29.6/29
Out: -173.894+/-290.682 χ²/NDF:33.8/34
All: -349.899+/-207.619 χ²/NDF: 64.2/64



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.4/15

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

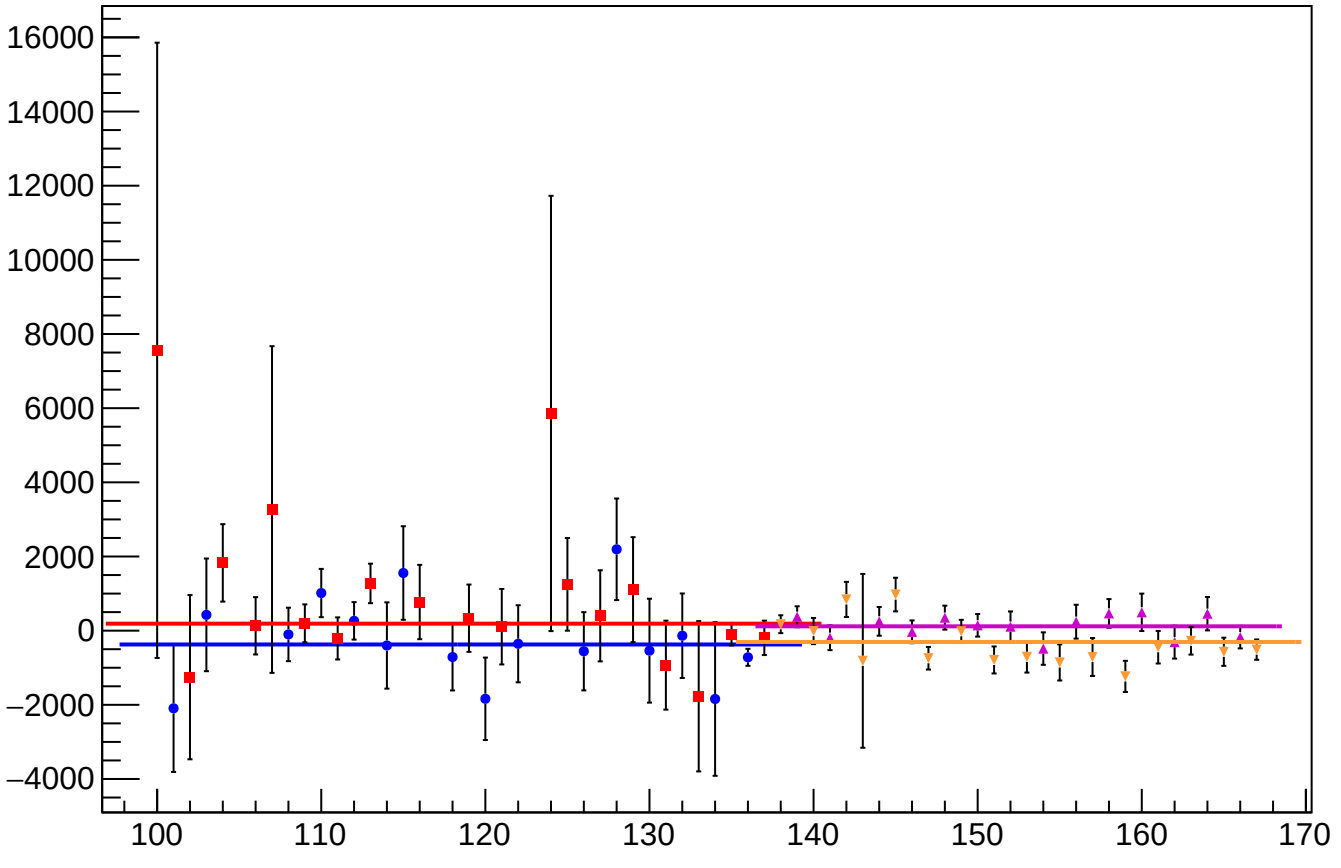
Left: 1277.995+/-0.184 χ^2/NDF: 180817.4/29

Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1275.923+/-0.210 χ^2/NDF:535012.5/29

Out: 1289.290+/-0.206 χ^2/NDF:492166.4/34

All: 1282.742+/-0.147 χ^2/NDF: 1029250.7/64



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -304.623+/-93.025 χ^2/NDF:32.1/15

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 117.124+/-96.923 χ^2/NDF:8.3/13

Left: -102.399+/-67.114 χ^2/NDF: 50.2/29

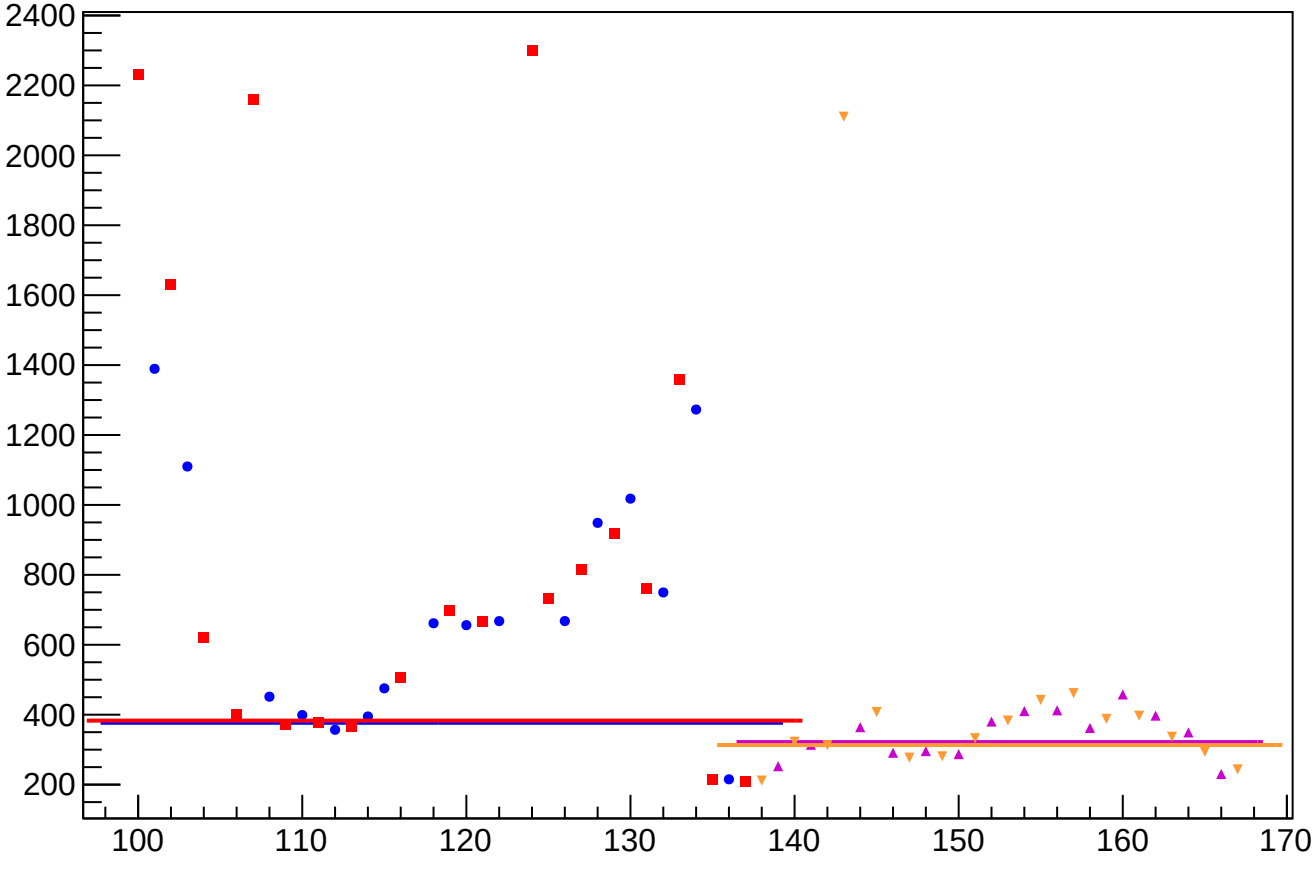
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -4.880+/-83.979 χ^2/NDF:32.8/29

Out: -190.448+/-81.559 χ^2/NDF:53.2/34

All: -100.376+/-58.508 χ^2/NDF: 88.6/64

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 313.264+/-0.066 χ^2/NDF:2317331.4/15

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 321.695+/-0.069 χ^2/NDF:818237.7/13

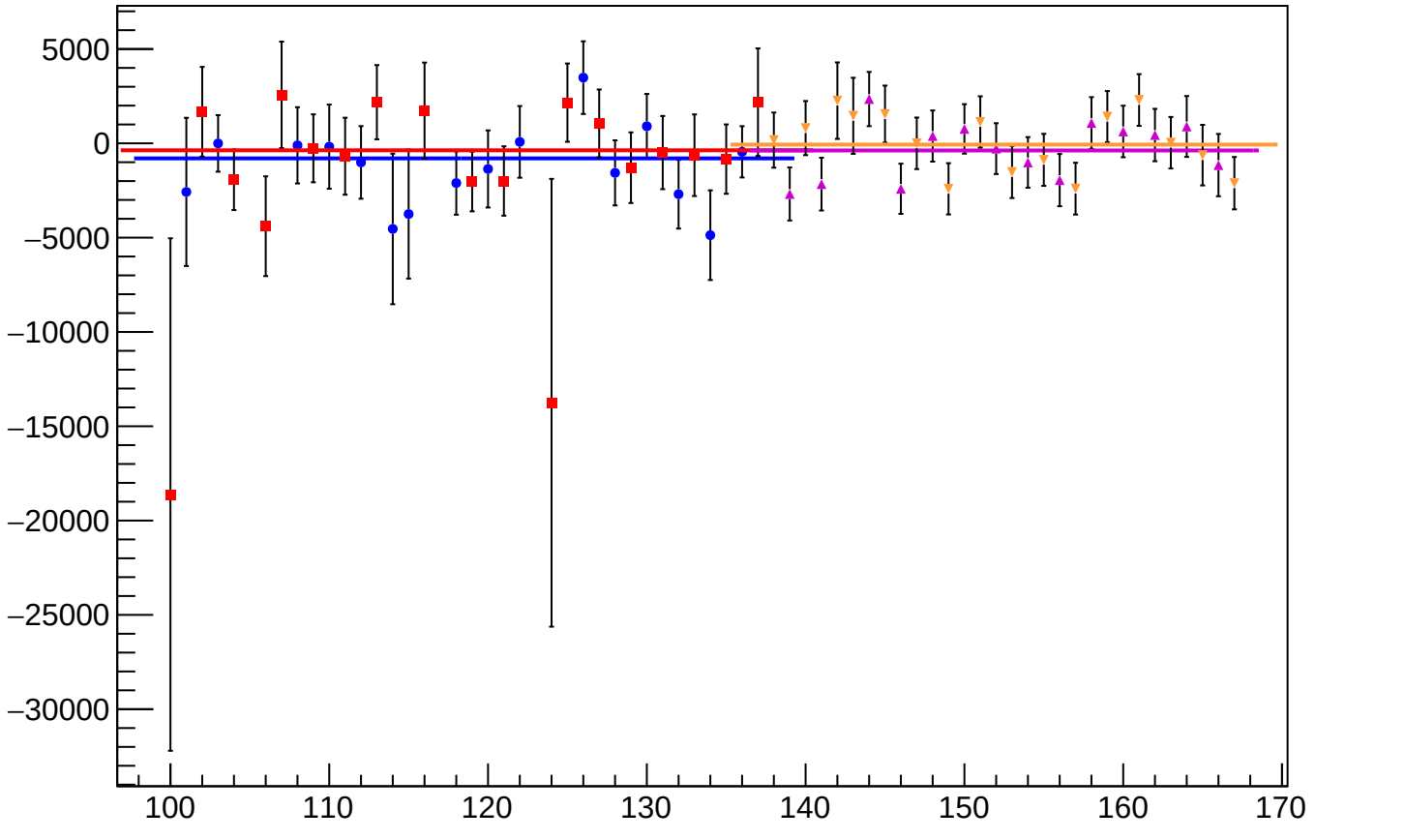
Left: 317.306+/-0.047 χ^2/NDF: 3143445.8/29

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 335.454+/-0.059 χ^2/NDF:5170124.0/29

Out: 329.413+/-0.058 χ^2/NDF:6631996.9/34

All: 332.345+/-0.041 χ^2/NDF: 11807447.0/64



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -64.479+/-362.785 χ^2/NDF:18.0/15

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -377.818+/-373.839 χ^2/NDF:15.7/13

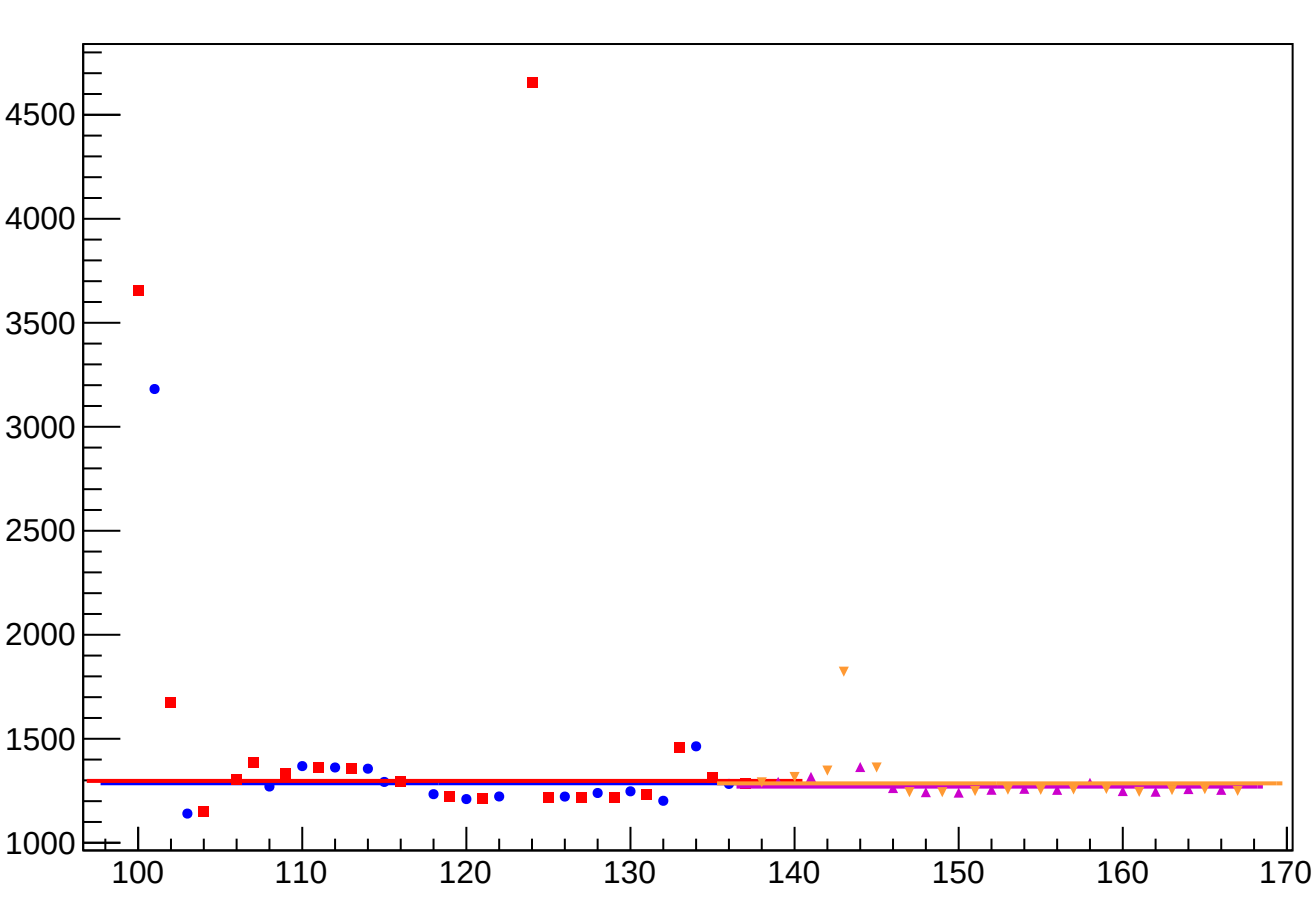
Left: -216.447+/-260.348 χ^2/NDF: 34.1/29

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -533.017+/-296.645 χ^2/NDF:29.6/29

Out: -172.800+/-290.794 χ^2/NDF:33.9/34

All: -349.322+/-207.660 χ^2/NDF: 64.2/64



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.3/15

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1277.995+/-0.184 χ^2/NDF: 180817.4/29

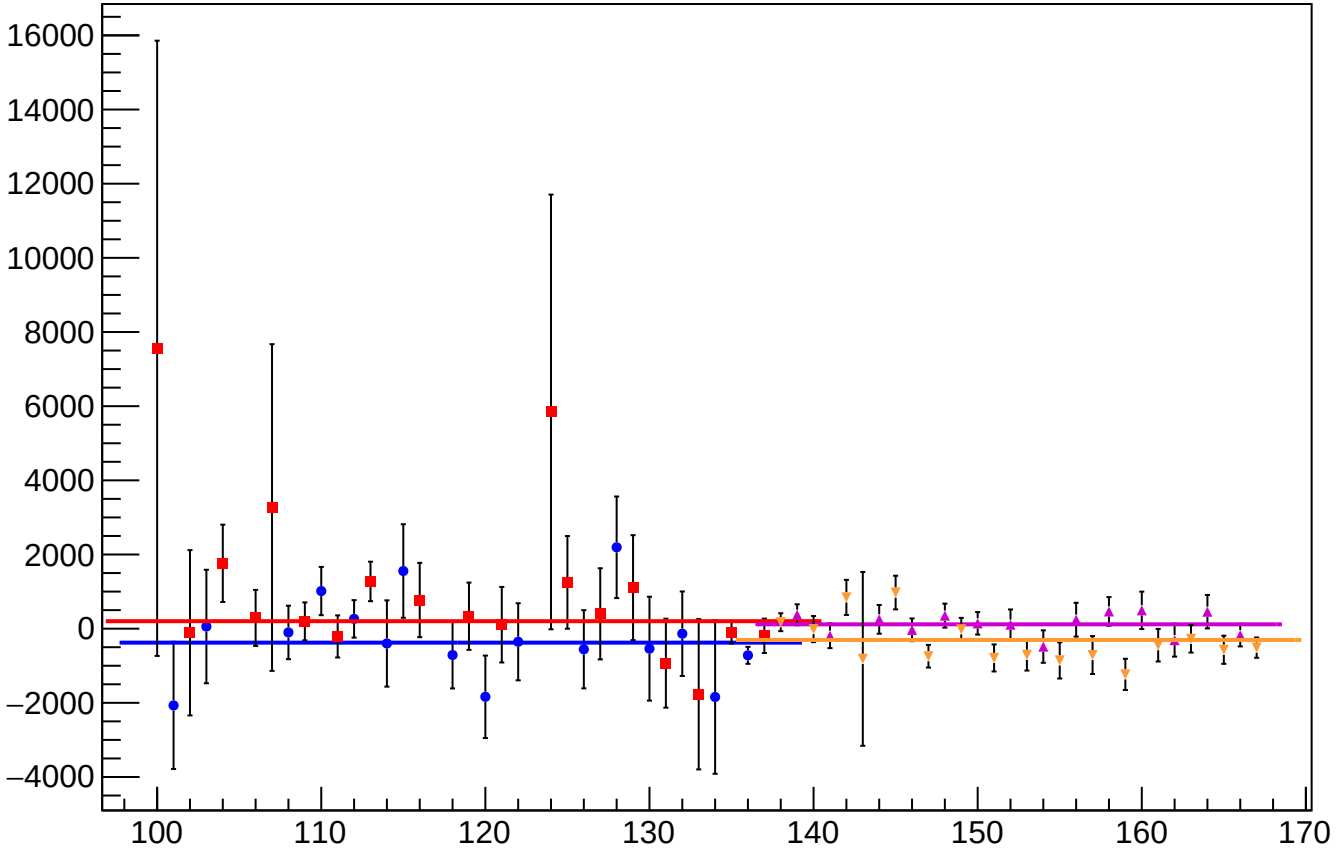
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1275.923+/-0.210 χ^2/NDF:535013.9/29

Out: 1289.804+/-0.206 χ^2/NDF:492012.1/34

All: 1283.002+/-0.147 χ^2/NDF: 1029259.3/64

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -304.631+/-93.028 χ^2/NDF:32.1/15

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 117.149+/-96.923 χ^2/NDF:8.3/13

Left: -102.387+/-67.115 χ^2/NDF: 50.2/29

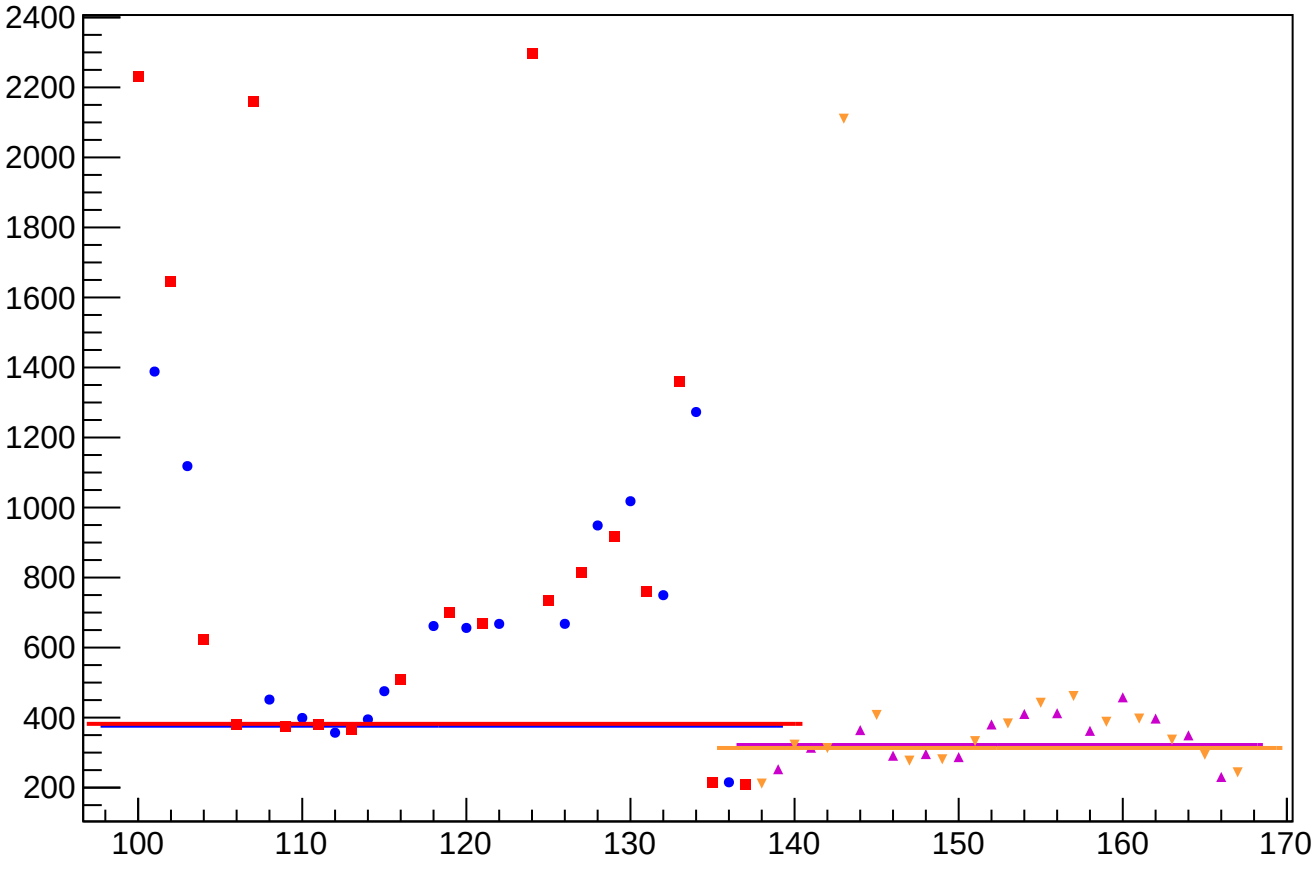
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.947+/-83.981 χ^2/NDF:32.7/29

Out: -187.187+/-81.539 χ^2/NDF:53.0/34

All: -99.241+/-58.501 χ^2/NDF: 88.1/64

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.272+/-0.066 χ^2/NDF:2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 321.694+/-0.069 χ^2/NDF:818347.2/13

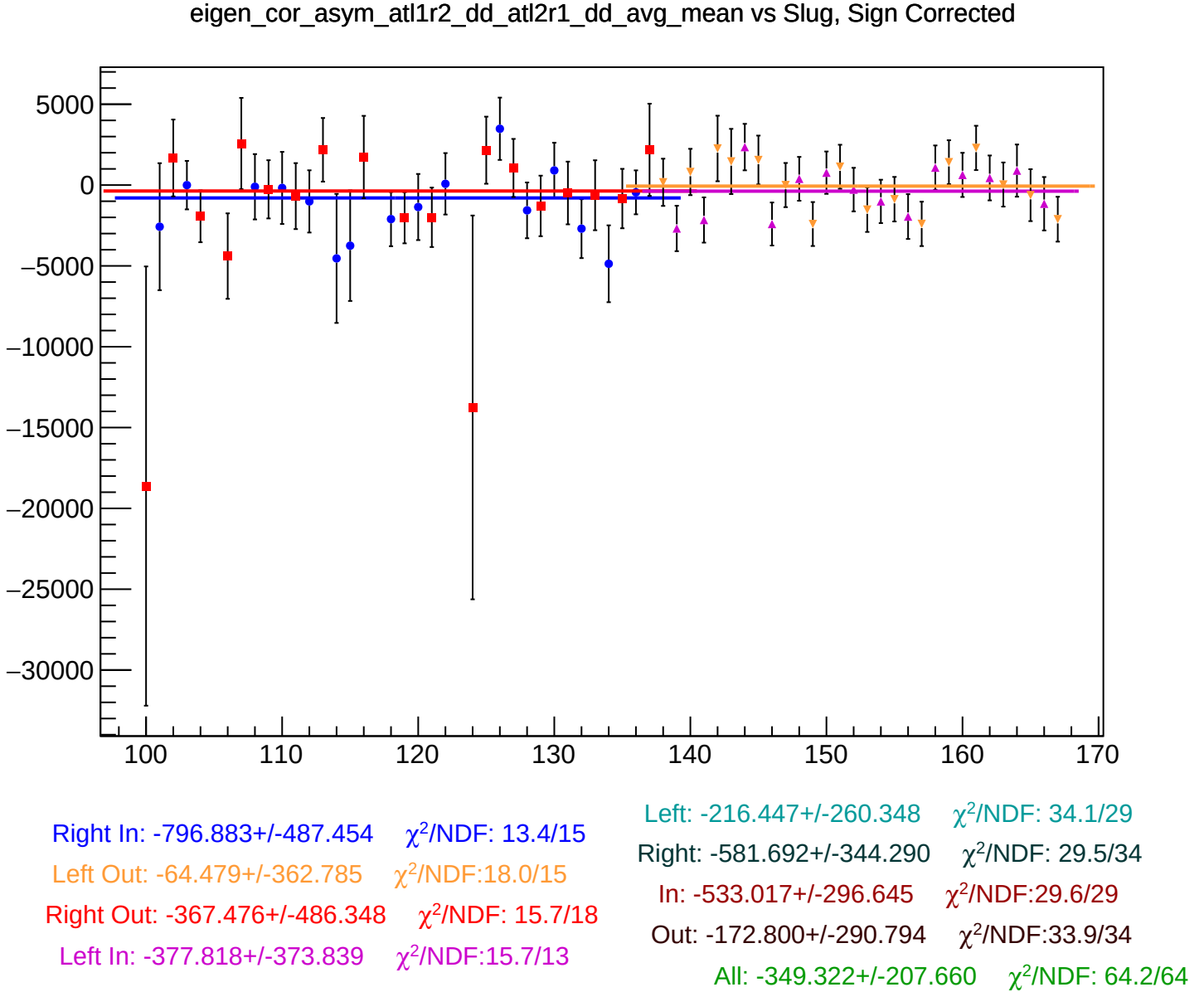
Left: 317.311+/-0.047 χ^2/NDF: 3143393.4/29

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 335.449+/-0.059 χ^2/NDF:5173290.6/29

Out: 329.231+/-0.058 χ^2/NDF:6630768.9/34

All: 332.248+/-0.041 χ^2/NDF: 11809702.4/64


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
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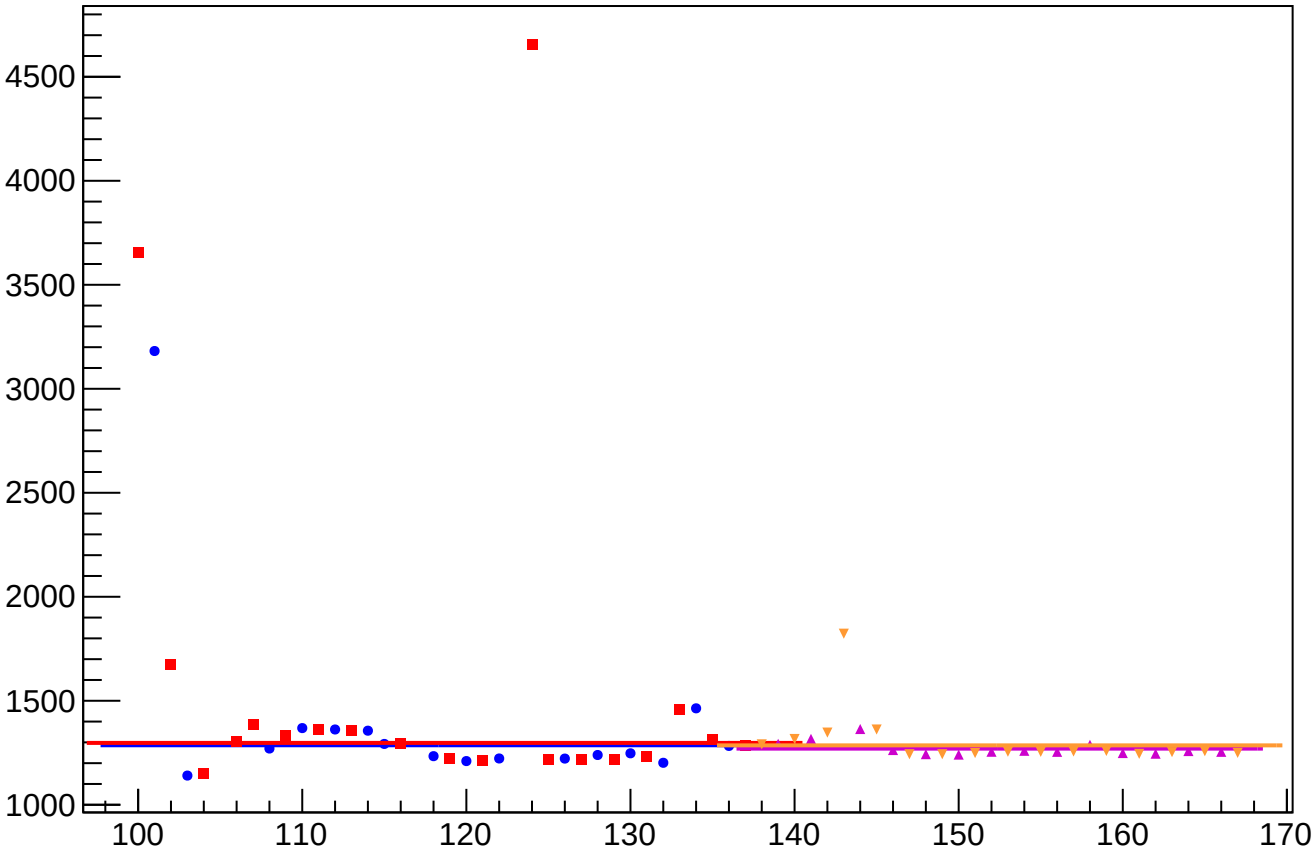
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -64.479+/-362.785 χ²/NDF:18.0/15
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -377.818+/-373.839 χ²/NDF:15.7/13
Left: -216.447+/-260.348 χ²/NDF: 34.1/29
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -533.017+/-296.645 χ²/NDF:29.6/29
Out: -172.800+/-290.794 χ²/NDF:33.9/34
All: -349.322+/-207.660 χ²/NDF: 64.2/64



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.3/15

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1277.995+/-0.184 χ^2/NDF: 180817.4/29

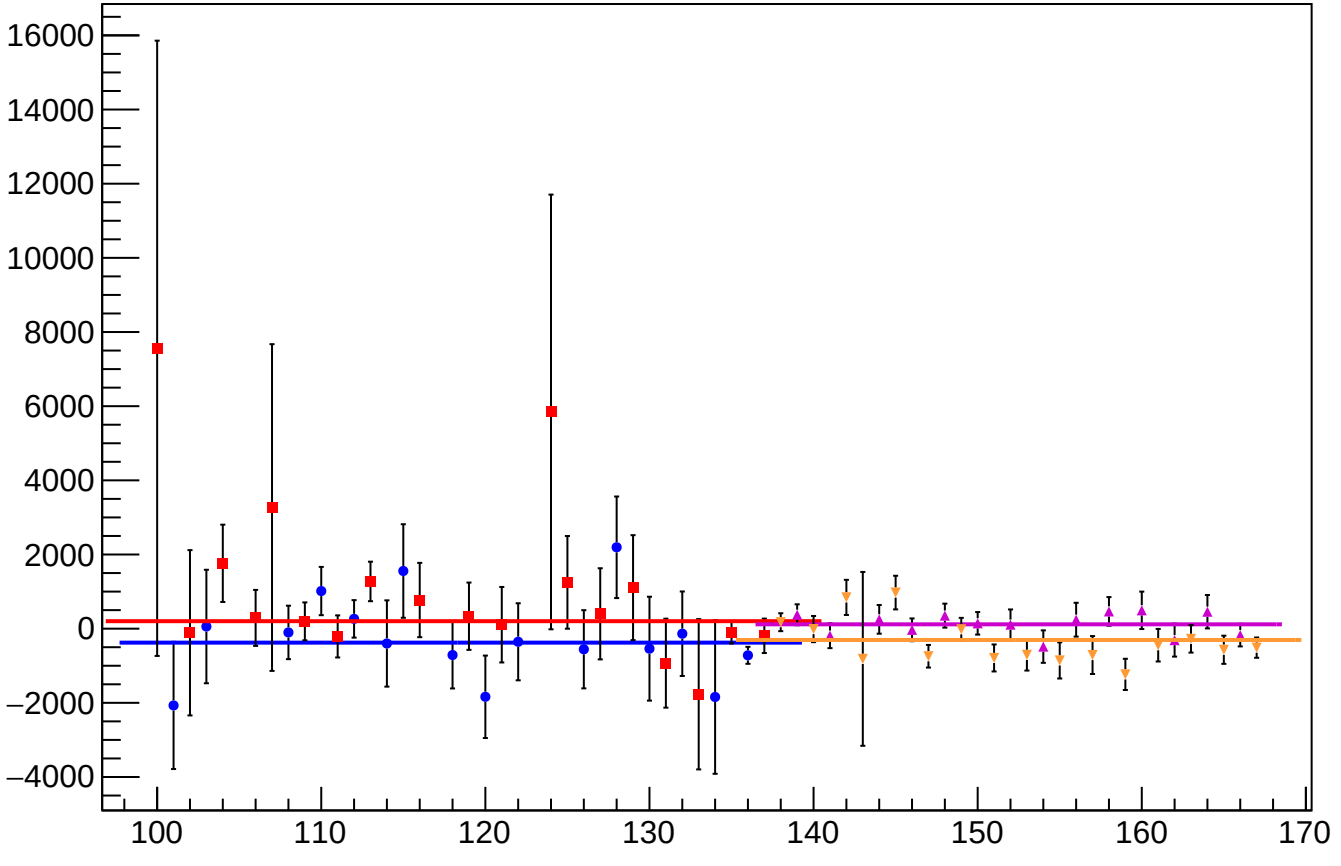
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1275.923+/-0.210 χ^2/NDF:535013.9/29

Out: 1289.804+/-0.206 χ^2/NDF:492012.1/34

All: 1283.002+/-0.147 χ^2/NDF: 1029259.3/64

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -304.631+/-93.028 χ^2/NDF:32.1/15

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 117.149+/-96.923 χ^2/NDF:8.3/13

Left: -102.387+/-67.115 χ^2/NDF: 50.2/29

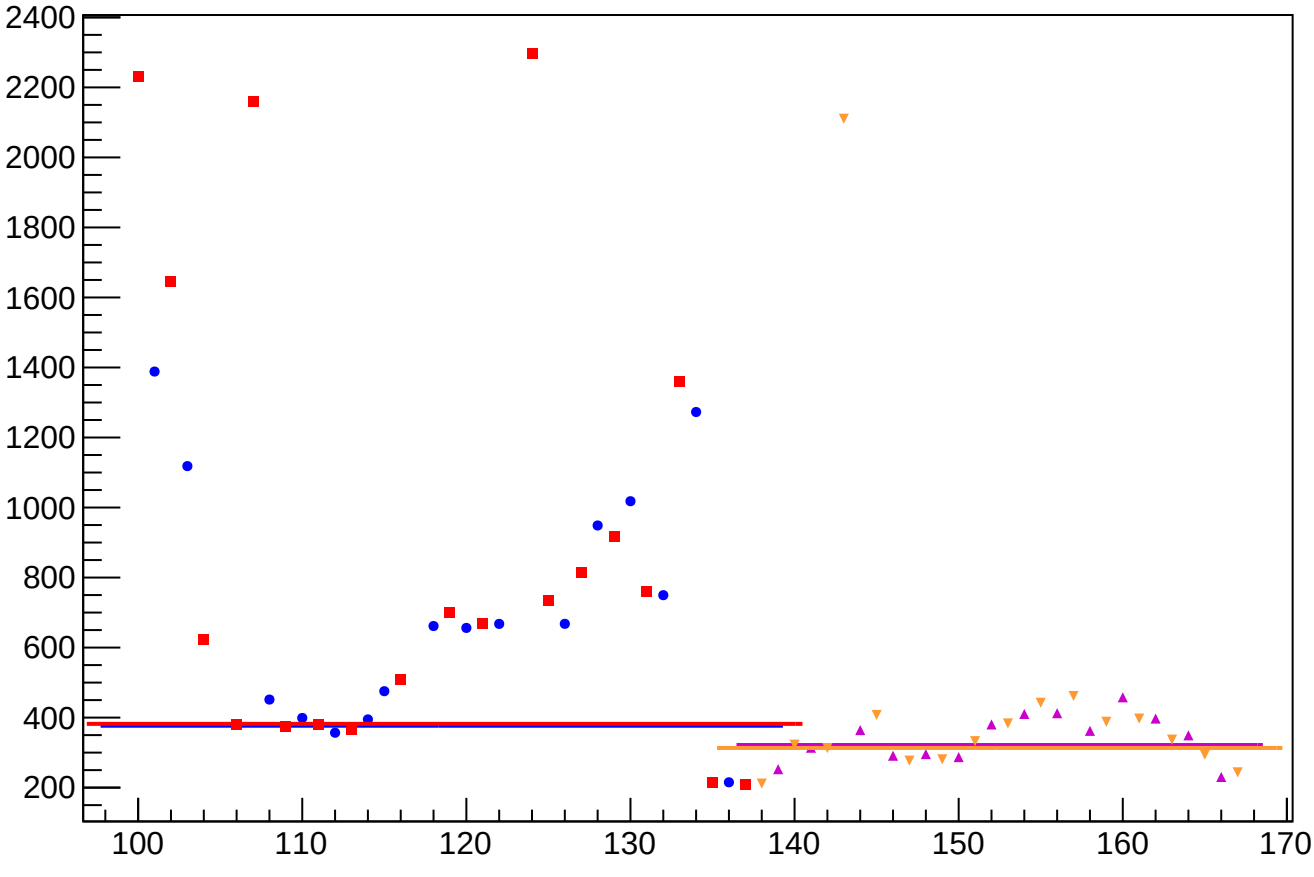
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.947+/-83.981 χ^2/NDF:32.7/29

Out: -187.187+/-81.539 χ^2/NDF:53.0/34

All: -99.241+/-58.501 χ^2/NDF: 88.1/64

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.272+/-0.066 χ^2/NDF:2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 321.694+/-0.069 χ^2/NDF:818347.2/13

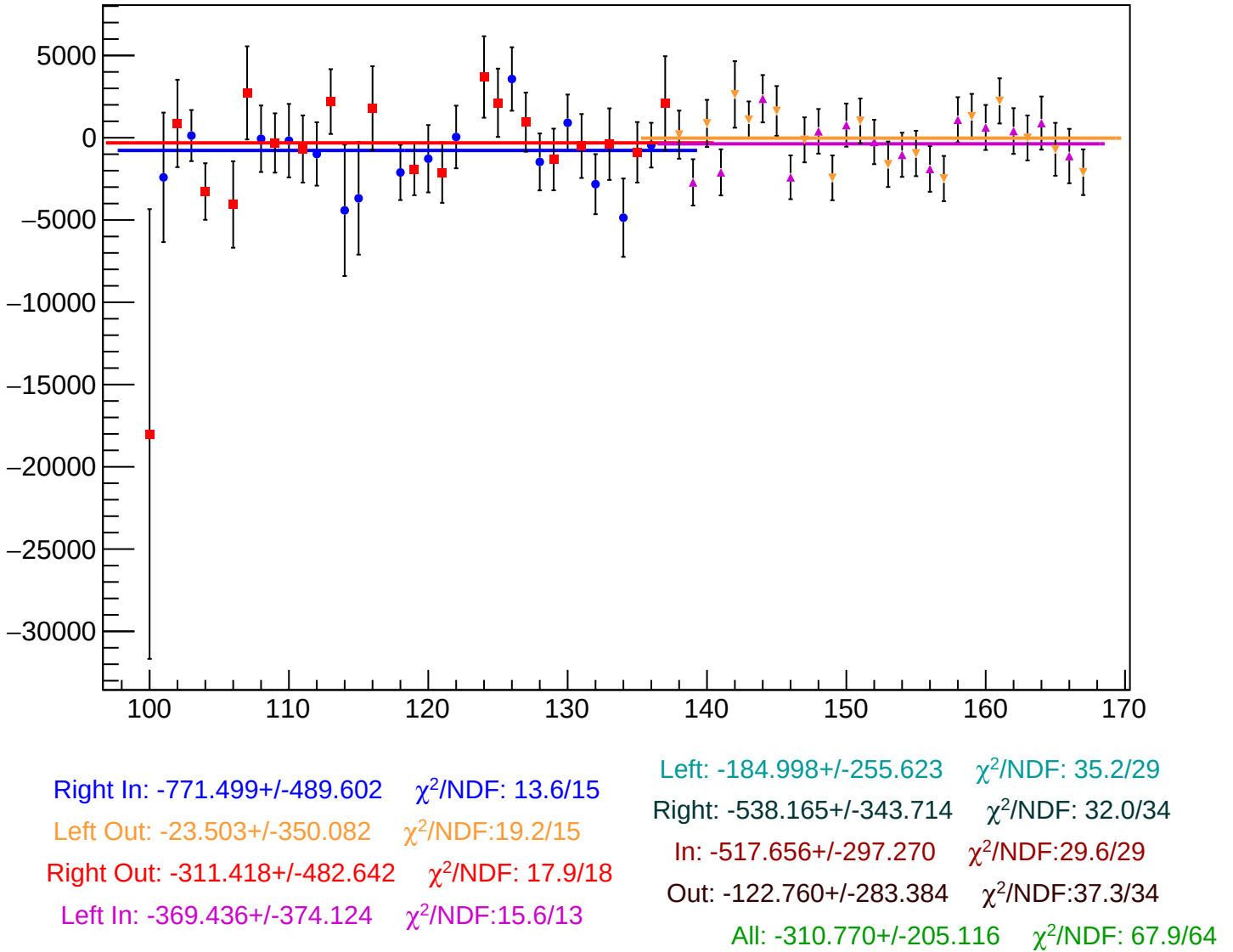
Left: 317.311+/-0.047 χ^2/NDF: 3143393.4/29

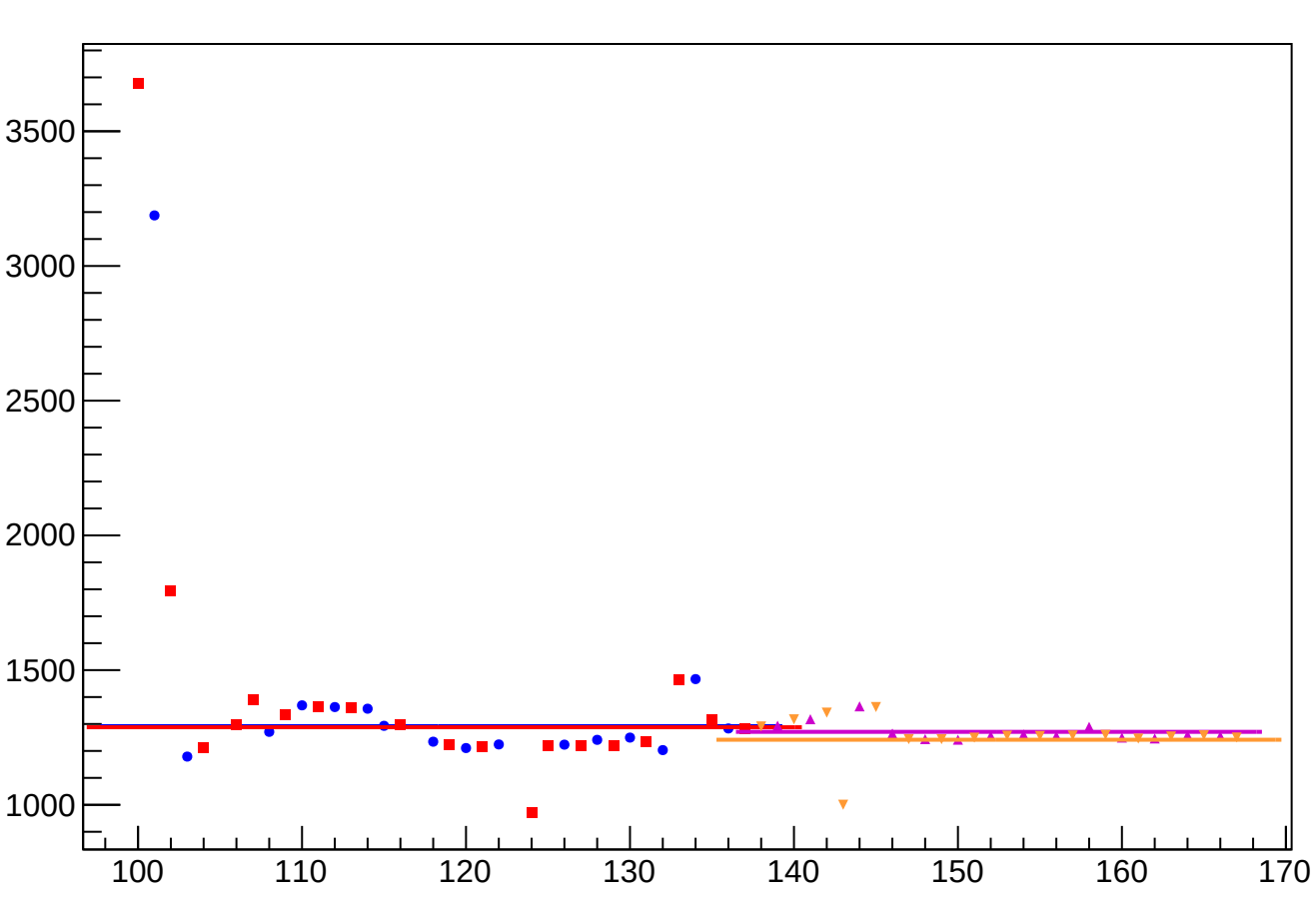
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 335.449+/-0.059 χ^2/NDF:5173290.6/29

Out: 329.231+/-0.058 χ^2/NDF:6630768.9/34

All: 332.248+/-0.041 χ^2/NDF: 11809702.4/64


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -23.503+/-350.082 χ²/NDF:19.2/15
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -369.436+/-374.124 χ²/NDF:15.6/13
Left: -184.998+/-255.623 χ²/NDF: 35.2/29
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -517.656+/-297.270 χ²/NDF:29.6/29
Out: -122.760+/-283.384 χ²/NDF:37.3/34
All: -310.770+/-205.116 χ²/NDF: 67.9/64



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1241.561+/-0.248 χ^2/NDF:122229.2/15

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1270.900+/-0.265 χ^2/NDF:15599.3/13

Left: 1255.257+/-0.181 χ^2/NDF: 144386.2/29

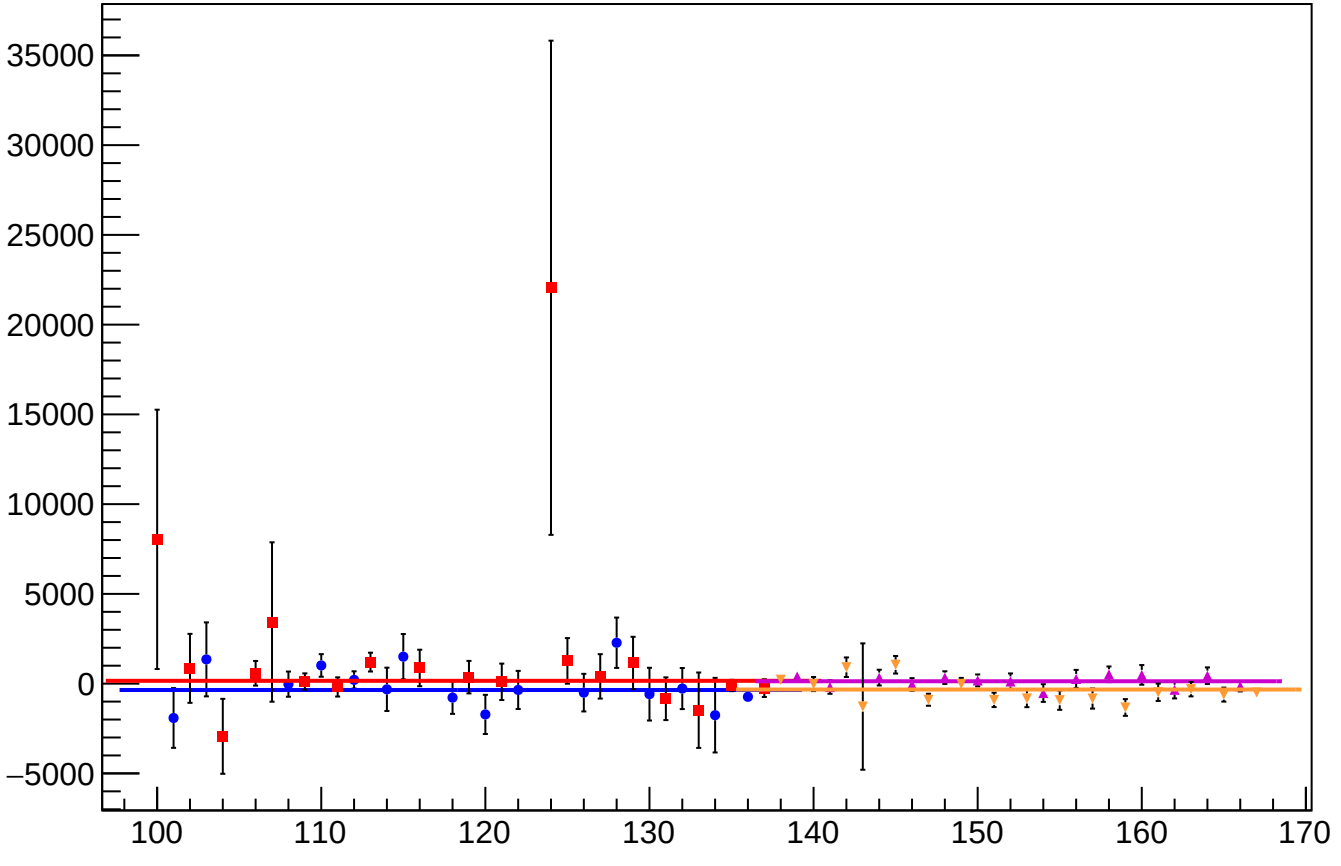
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1278.692+/-0.210 χ^2/NDF:527359.3/29

Out: 1257.566+/-0.200 χ^2/NDF:343564.7/34

All: 1267.624+/-0.145 χ^2/NDF: 876215.8/64

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -327.824+/-98.934 χ^2/NDF:33.4/15

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 133.328+/-103.813 χ^2/NDF:7.8/13

Left: -108.339+/-71.620 χ^2/NDF: 51.5/29

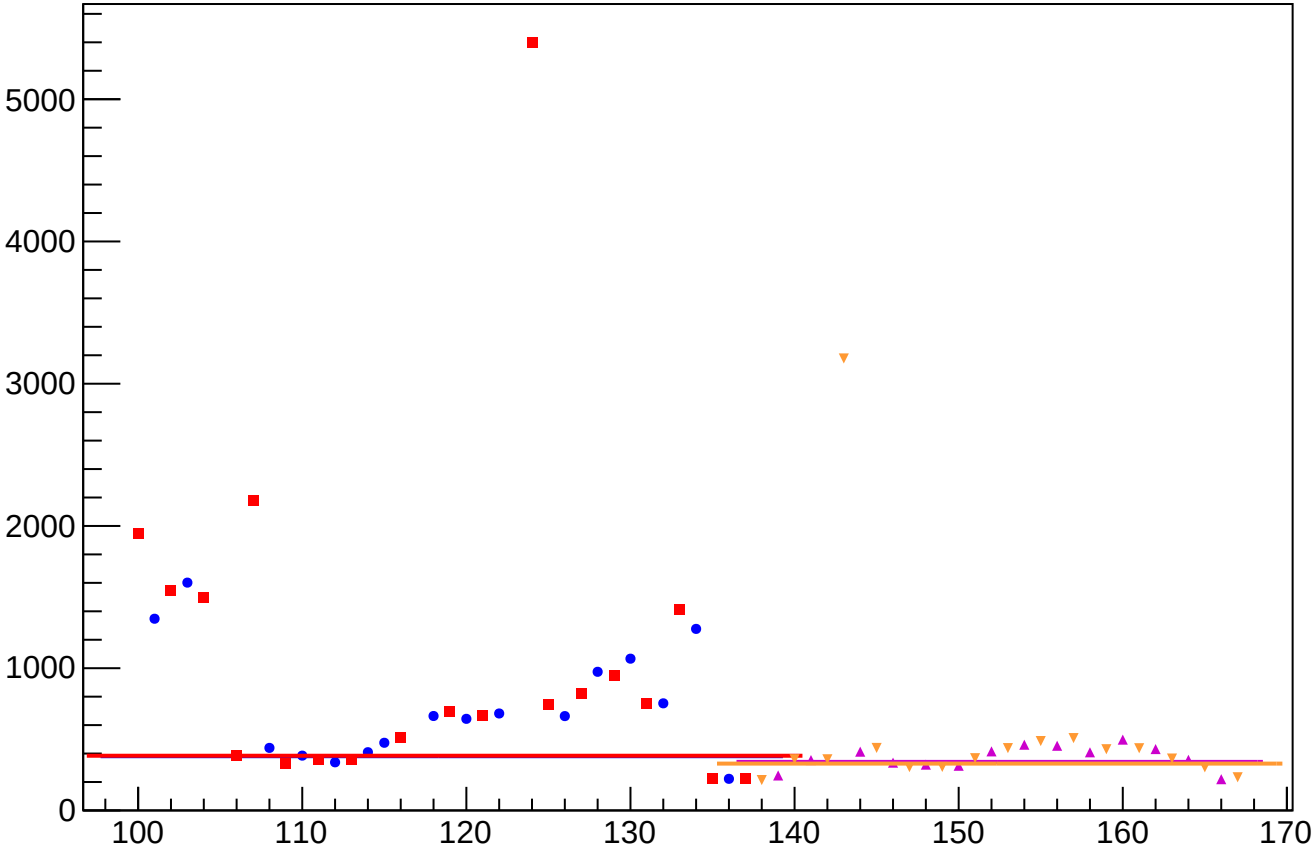
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 0.593+/-88.595 χ^2/NDF:32.3/29

Out: -204.569+/-85.465 χ^2/NDF:55.3/34

All: -105.676+/-61.510 χ^2/NDF: 90.4/64

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 329.360+/-0.070 χ^2/NDF:2886622.7/15

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 341.365+/-0.073 χ^2/NDF:1221700.0/13

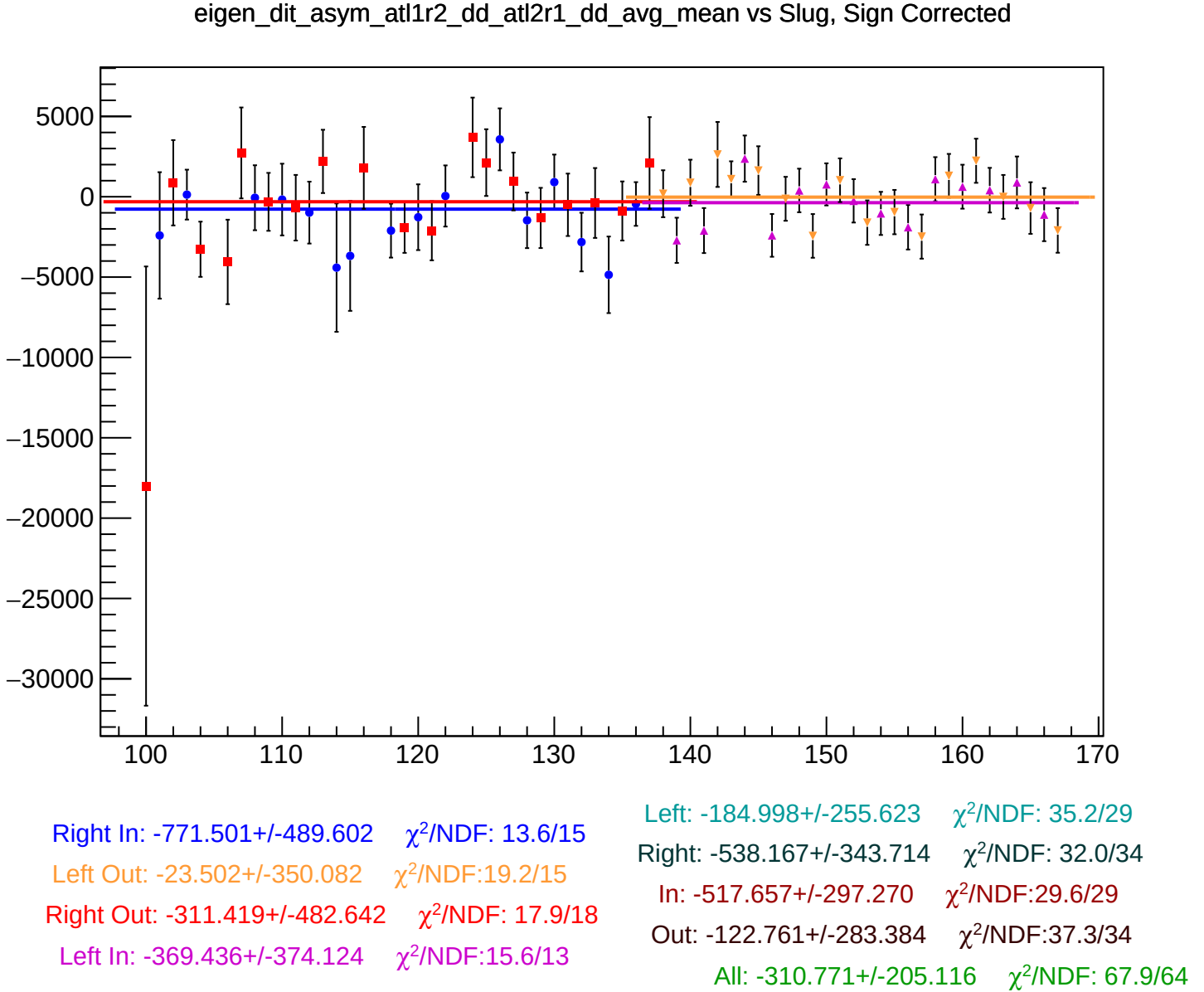
Left: 335.074+/-0.051 χ^2/NDF: 4122340.2/29

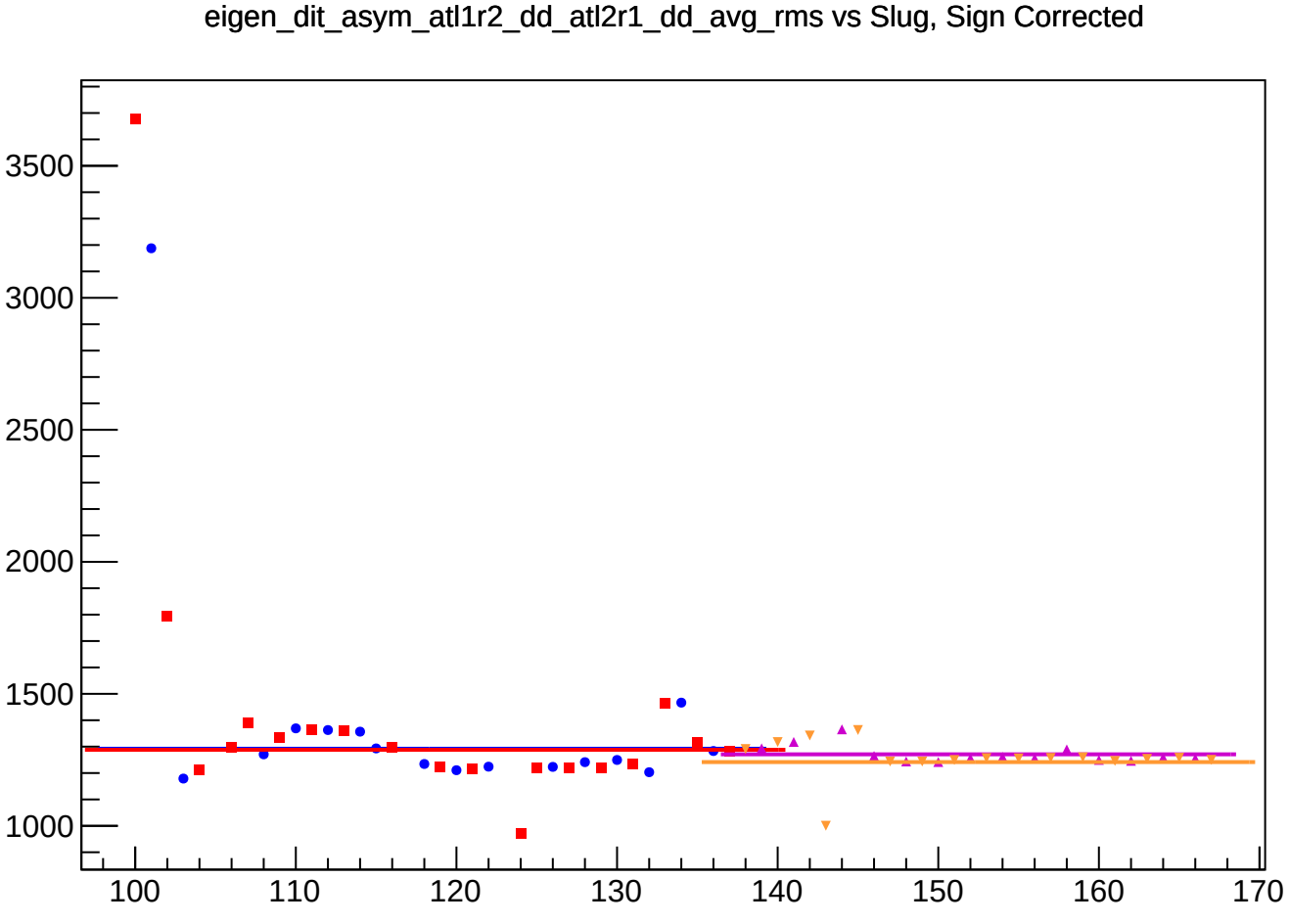
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 352.229+/-0.063 χ^2/NDF:5620227.7/29

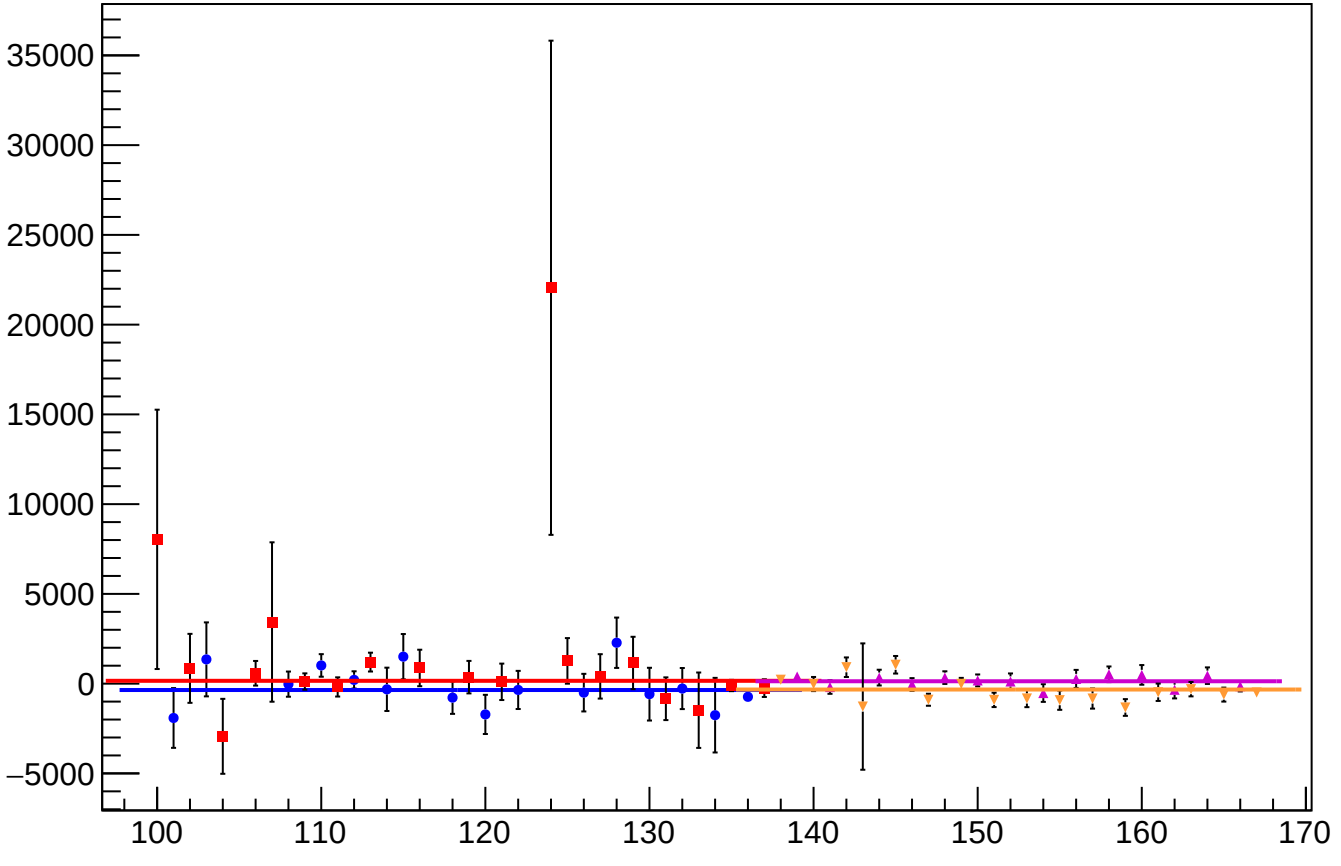
Out: 343.389+/-0.060 χ^2/NDF:7605335.8/34

All: 347.650+/-0.043 χ^2/NDF: 13235875.3/64


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -23.502+/-350.082 χ²/NDF:19.2/15
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -369.436+/-374.124 χ²/NDF:15.6/13
Left: -184.998+/-255.623 χ²/NDF: 35.2/29
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -517.657+/-297.270 χ²/NDF:29.6/29
Out: -122.761+/-283.384 χ²/NDF:37.3/34
All: -310.771+/-205.116 χ²/NDF: 67.9/64


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1292.038+/-0.346 χ²/NDF: 509406.2/15
Left Out: 1241.561+/-0.248 χ²/NDF:122228.4/15
Right Out: 1287.988+/-0.341 χ²/NDF: 209209.1/18
Left In: 1270.900+/-0.265 χ²/NDF:15599.4/13
Left: 1255.257+/-0.181 χ²/NDF: 144385.3/29
Right: 1289.984+/-0.243 χ²/NDF: 718684.7/34
In: 1278.692+/-0.210 χ²/NDF:527359.3/29
Out: 1257.567+/-0.200 χ²/NDF:343564.1/34
All: 1267.625+/-0.145 χ²/NDF: 876215.1/64

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -327.835+/-98.935 χ^2/NDF:33.4/15

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 133.327+/-103.814 χ^2/NDF:7.8/13

Left: -108.345+/-71.620 χ^2/NDF: 51.5/29

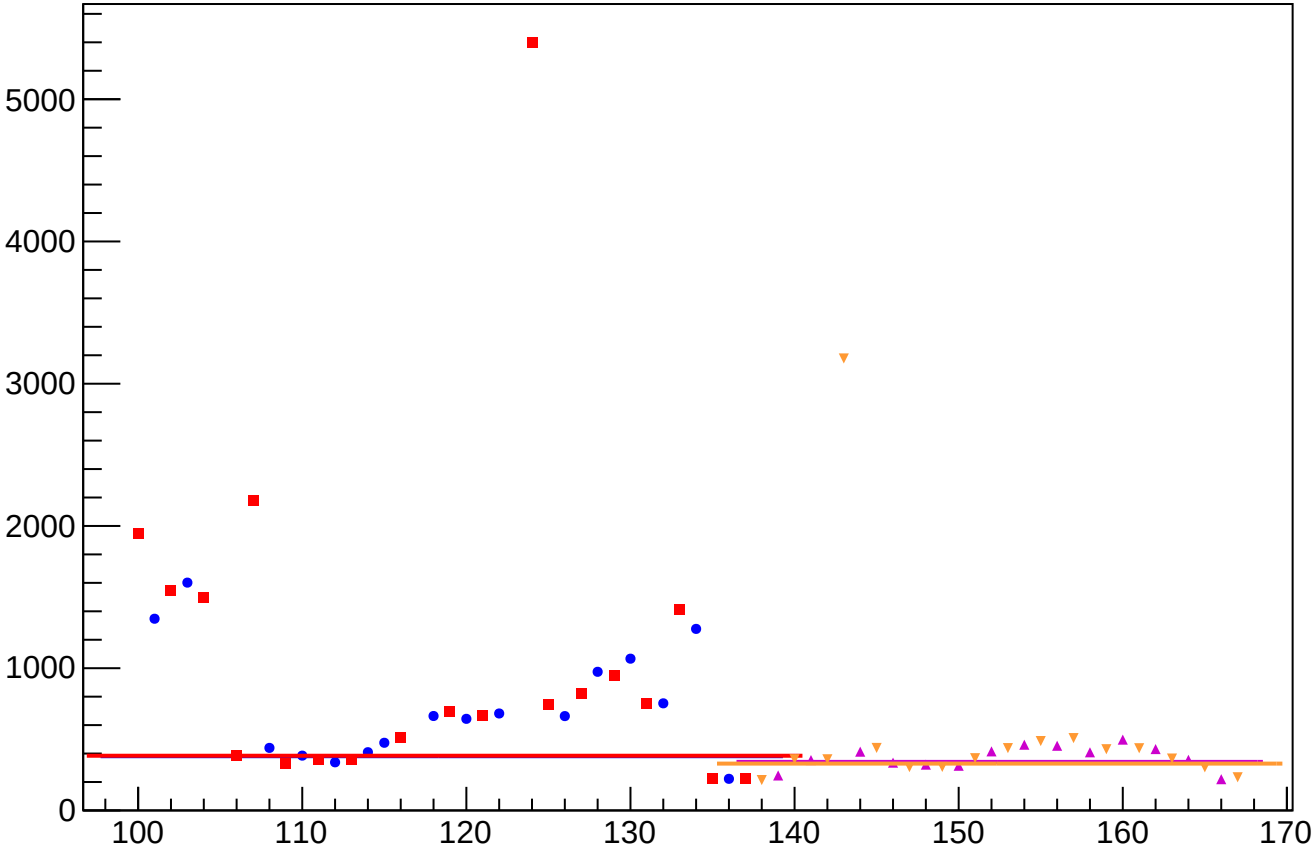
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 0.594+/-88.596 χ^2/NDF:32.3/29

Out: -204.576+/-85.466 χ^2/NDF:55.3/34

All: -105.679+/-61.510 χ^2/NDF: 90.4/64

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 329.363+/-0.070 χ^2/NDF:2886488.8/15

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 341.368+/-0.073 χ^2/NDF:1221623.5/13

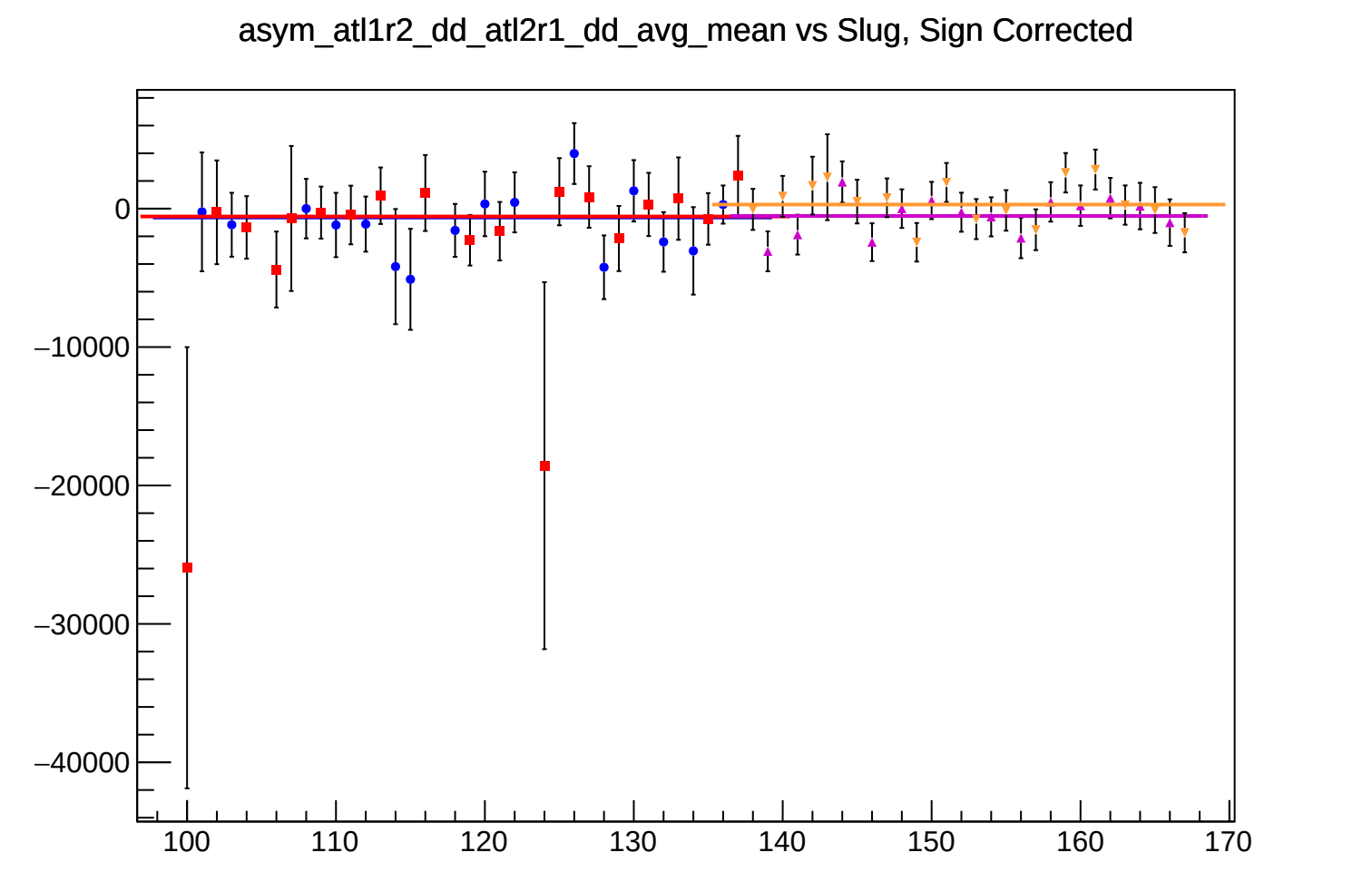
Left: 335.077+/-0.051 χ^2/NDF: 4122127.9/29

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 352.233+/-0.063 χ^2/NDF:5619992.9/29

Out: 343.394+/-0.060 χ^2/NDF:7605082.4/34

All: 347.655+/-0.043 χ^2/NDF: 13235387.1/64



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 295.725+/-380.267 χ^2/NDF:16.2/15

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -530.752+/-388.427 χ^2/NDF:12.5/13

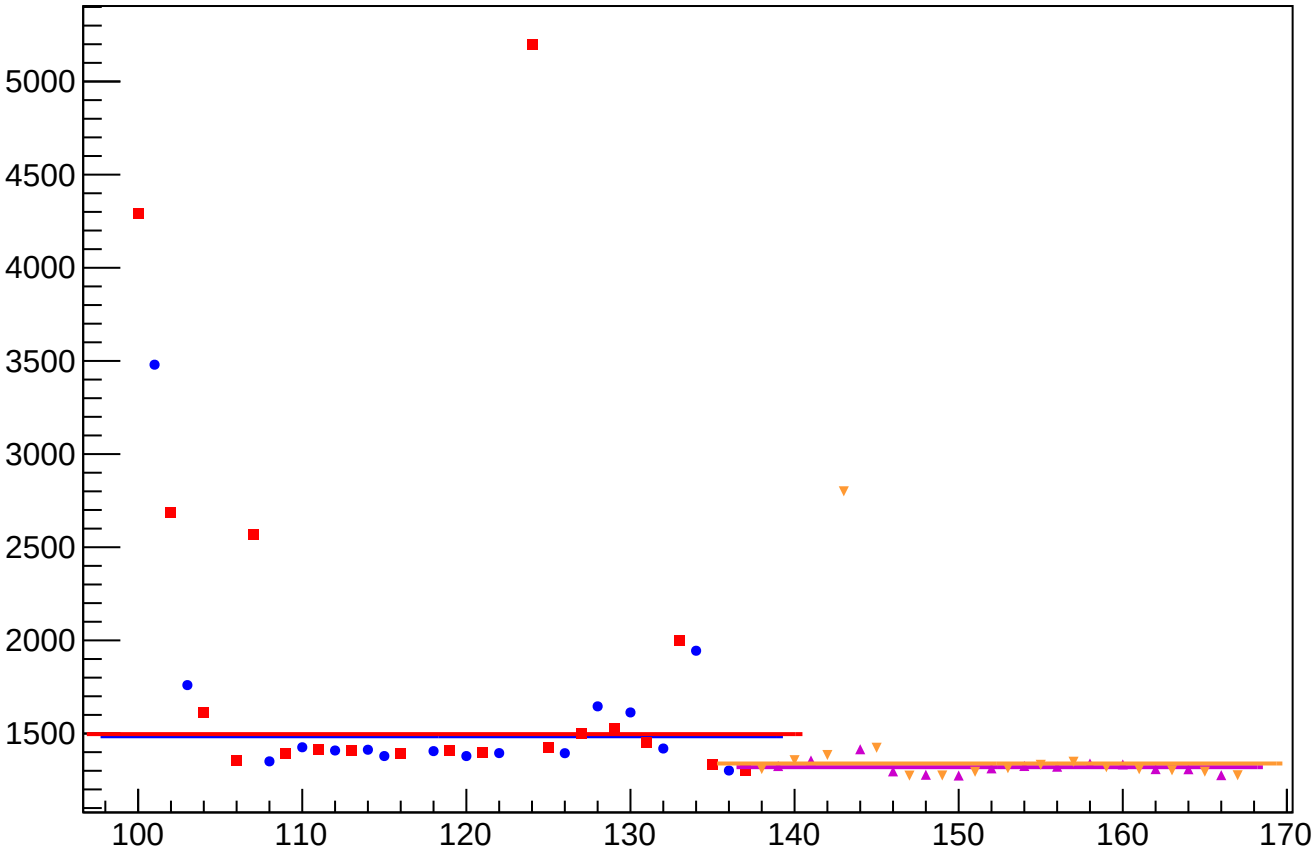
Left: -108.741+/-271.728 χ^2/NDF: 31.1/29

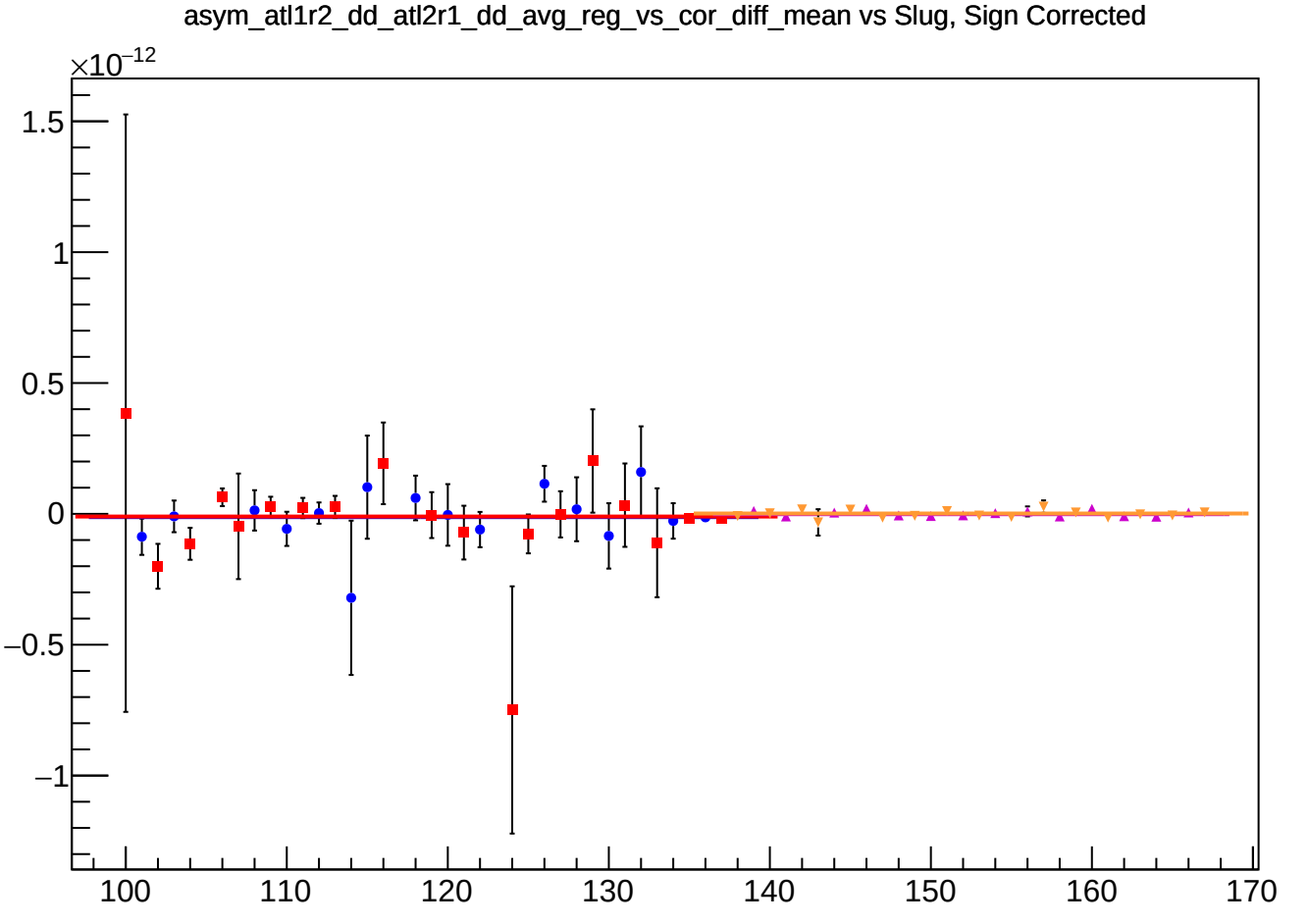
Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -566.132+/-319.967 χ^2/NDF:25.0/29

Out: 27.843+/-315.778 χ^2/NDF:29.2/34

All: -265.231+/-224.755 χ^2/NDF: 55.9/64


asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
Right In: 1485.370+/-0.399 χ²/NDF: 584470.1/15
Left Out: 1339.155+/-0.269 χ²/NDF:470405.8/15
Right Out: 1496.865+/-0.401 χ²/NDF: 623292.7/18
Left In: 1319.430+/-0.275 χ²/NDF:16212.5/13
Left: 1329.502+/-0.192 χ²/NDF: 489251.8/29
Right: 1491.093+/-0.283 χ²/NDF: 1208175.9/34
In: 1372.769+/-0.226 χ²/NDF:718011.2/29
Out: 1388.111+/-0.223 χ²/NDF:1200485.6/34
All: 1380.541+/-0.159 χ²/NDF: 1920826.2/64



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/13

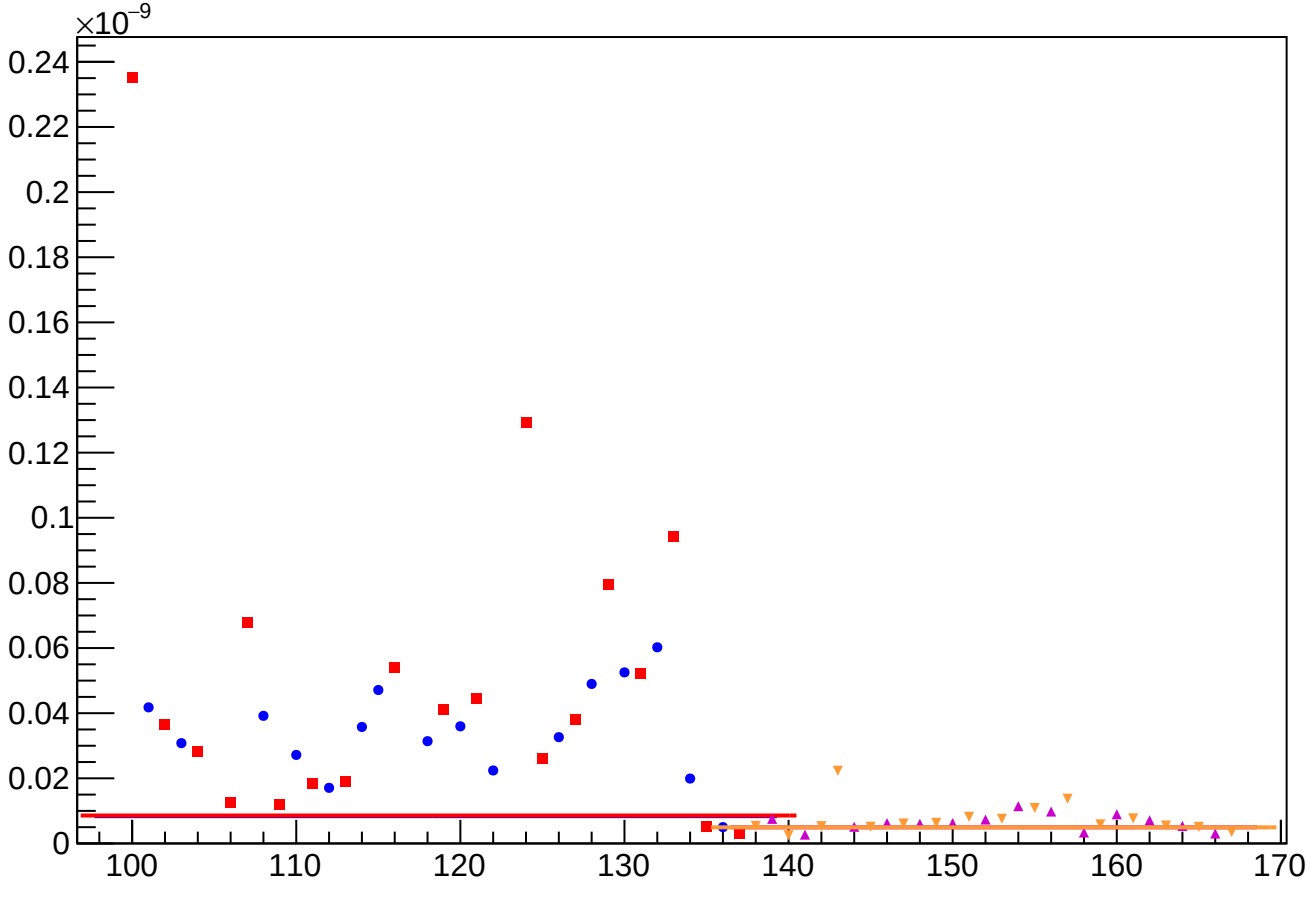
Left: 0.000+/-0.000 χ^2/NDF: 30.1/29

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:26.2/29

Out: 0.000+/-0.000 χ^2/NDF:39.0/34

All: -0.000+/-0.000 χ^2/NDF: 65.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1759200.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1441224.5/13

Left: 0.000+/-0.000 χ^2/NDF: 3200425.6/29

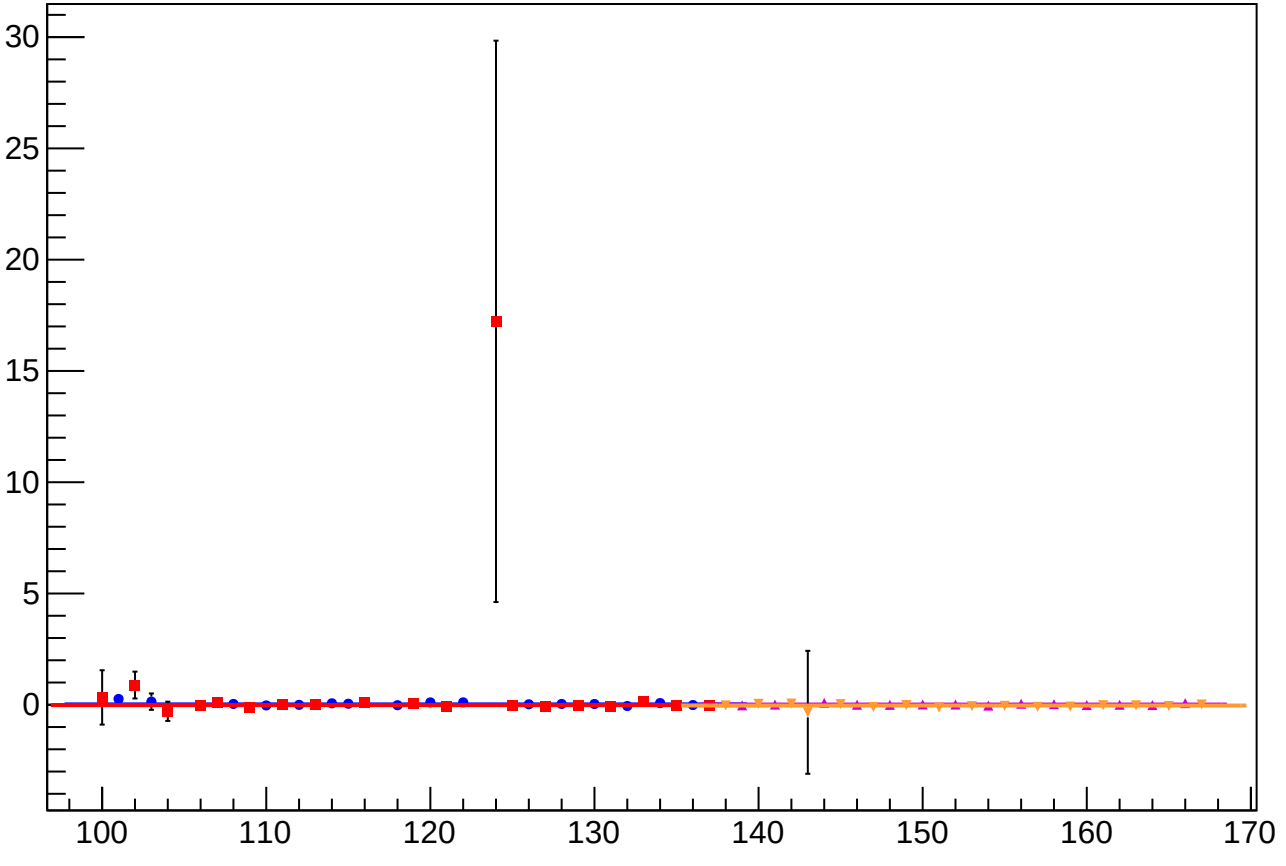
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4882482.0/29

Out: 0.000+/-0.000 χ^2/NDF:5483617.6/34

All: 0.000+/-0.000 χ^2/NDF: 10366750.0/64

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

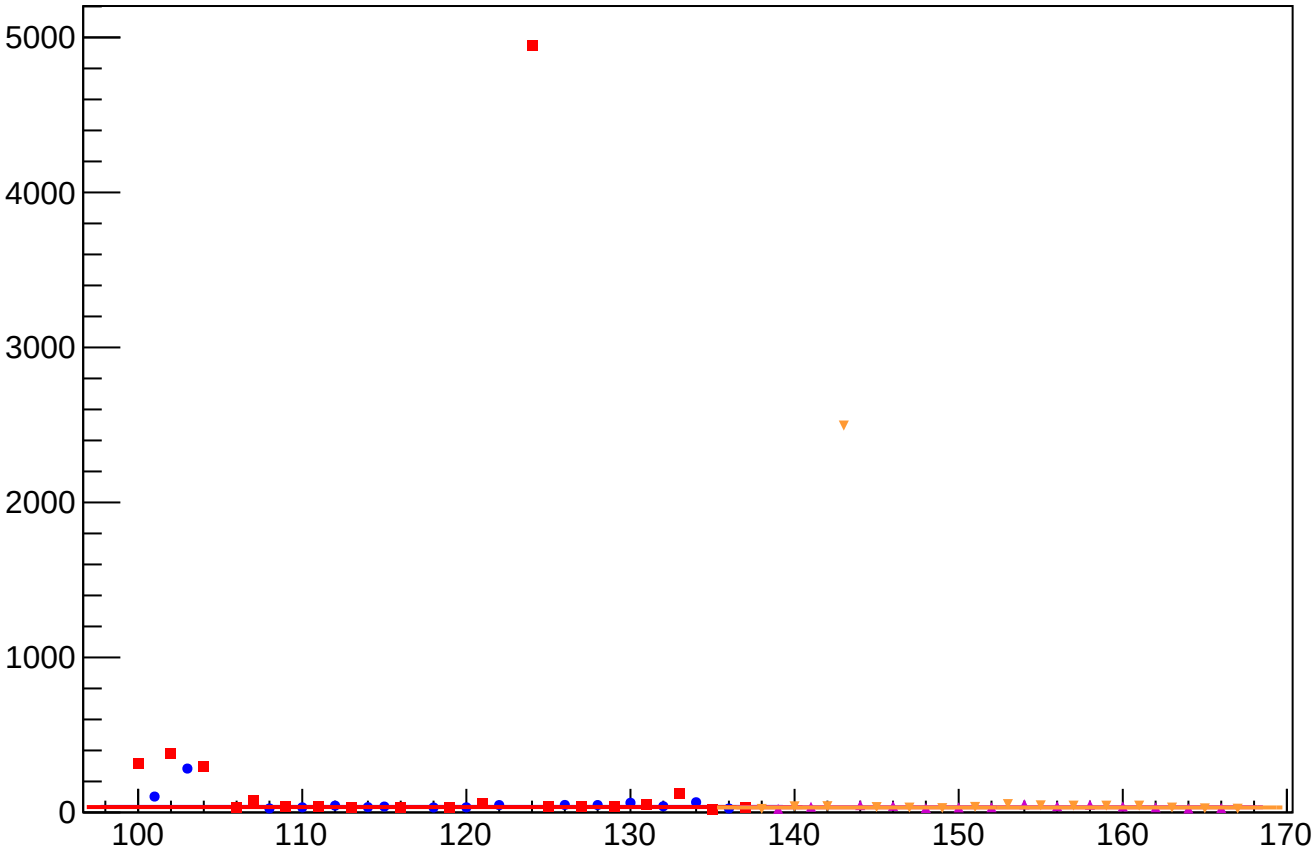
Left: -0.013+/-0.008 χ^2/NDF: 37.6/29

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.1/29

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.2/64



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891530.3/15

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.902+/-0.008 χ^2/NDF:1089706.9/13

Left: 33.020+/-0.005 χ^2/NDF: 4005616.6/29

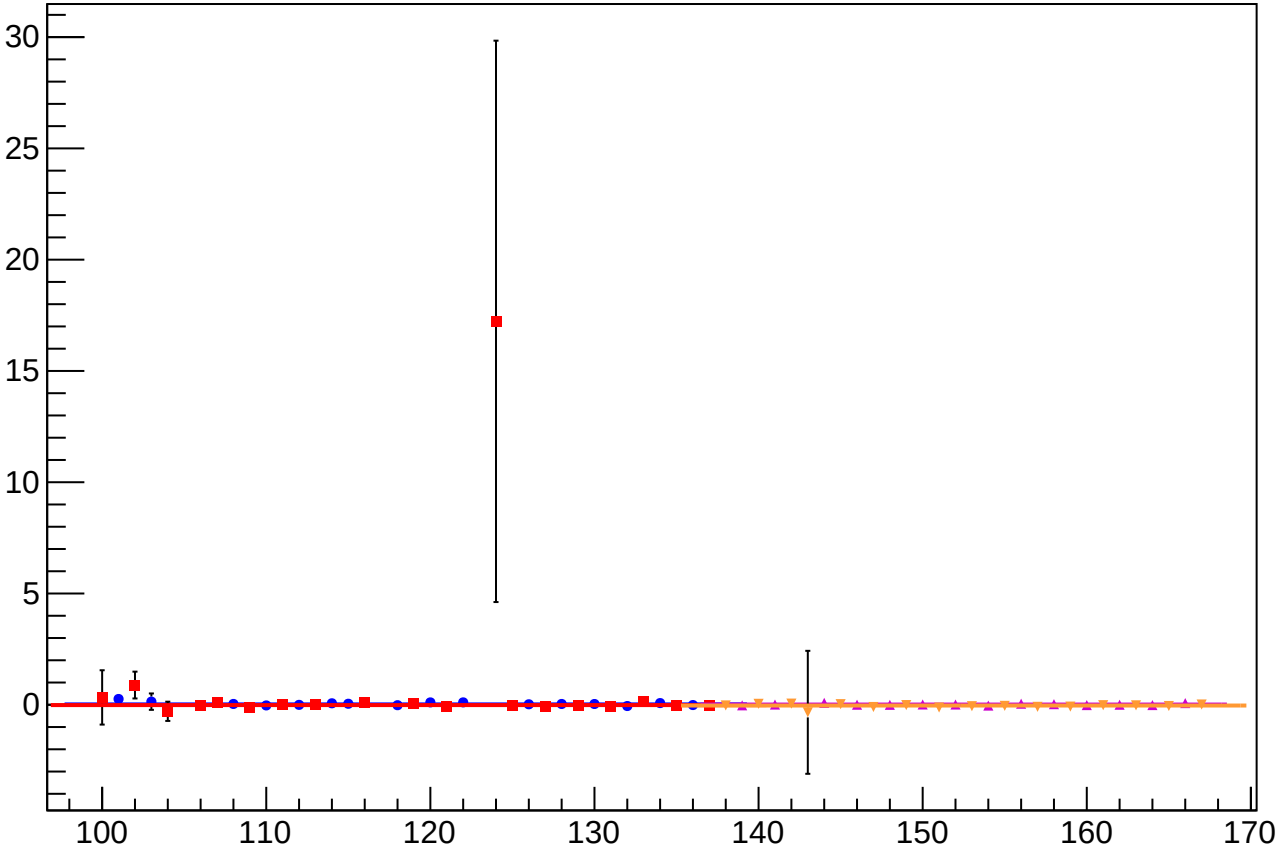
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.518+/-0.006 χ^2/NDF:3373376.7/29

Out: 33.016+/-0.006 χ^2/NDF:5842980.7/34

All: 33.738+/-0.004 χ^2/NDF: 9245675.8/64

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.013+/-0.008 χ^2/NDF: 37.6/29

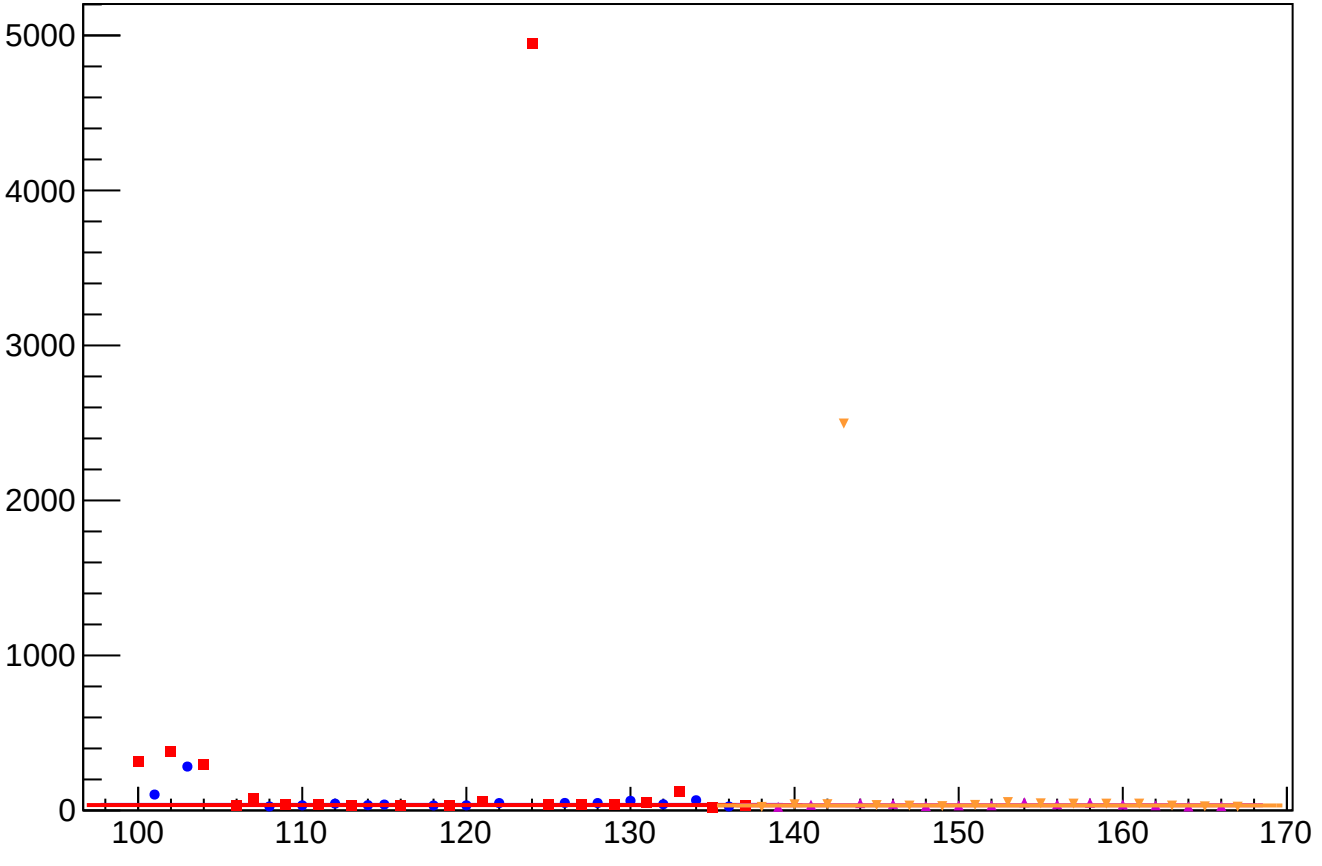
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.1/29

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.2/64

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891530.3/15

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.902+/-0.008 χ^2/NDF:1089706.9/13

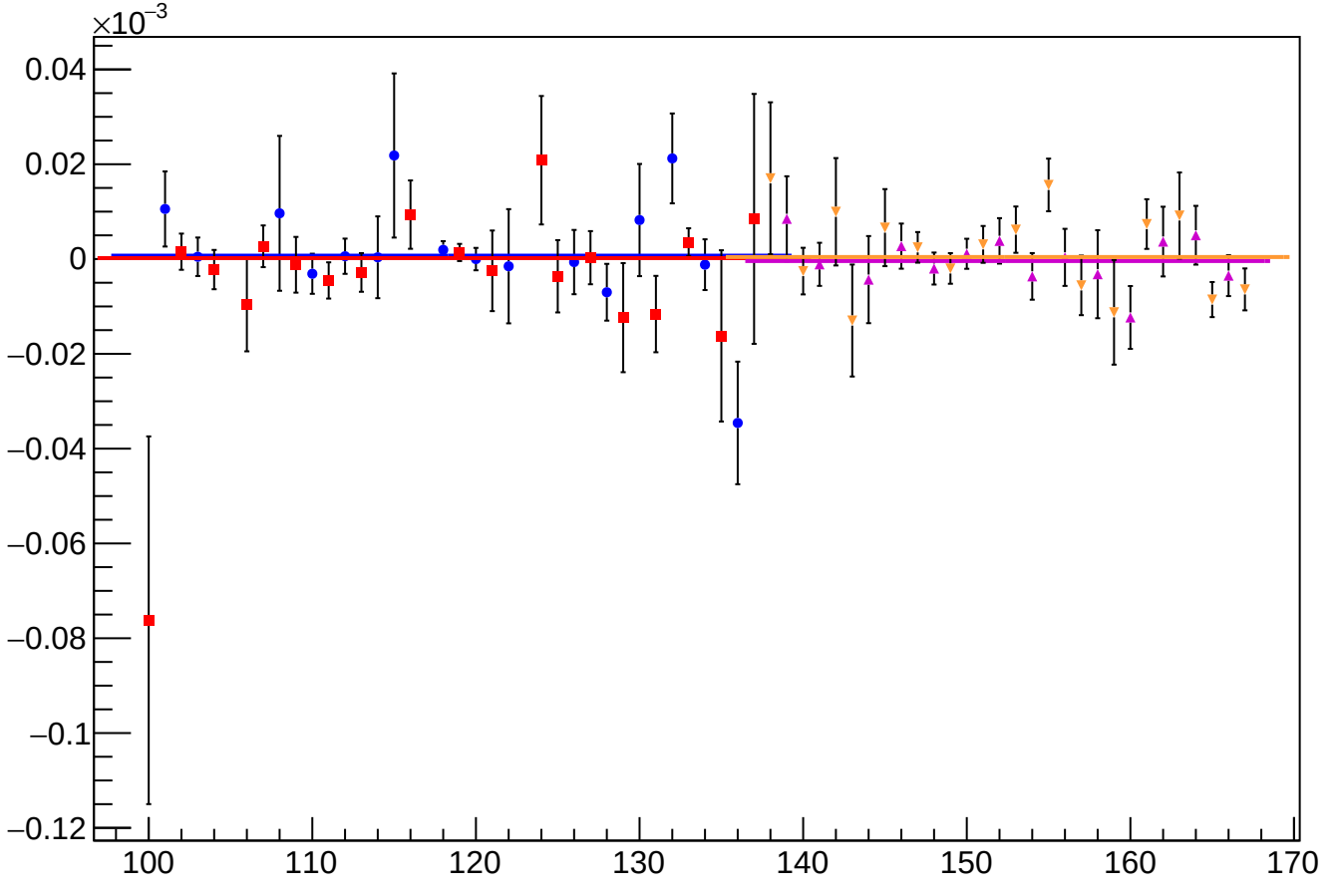
Left: 33.020+/-0.005 χ^2/NDF: 4005616.6/29

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.518+/-0.006 χ^2/NDF:3373376.7/29

Out: 33.016+/-0.006 χ^2/NDF:5842980.7/34

All: 33.738+/-0.004 χ^2/NDF: 9245675.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/13

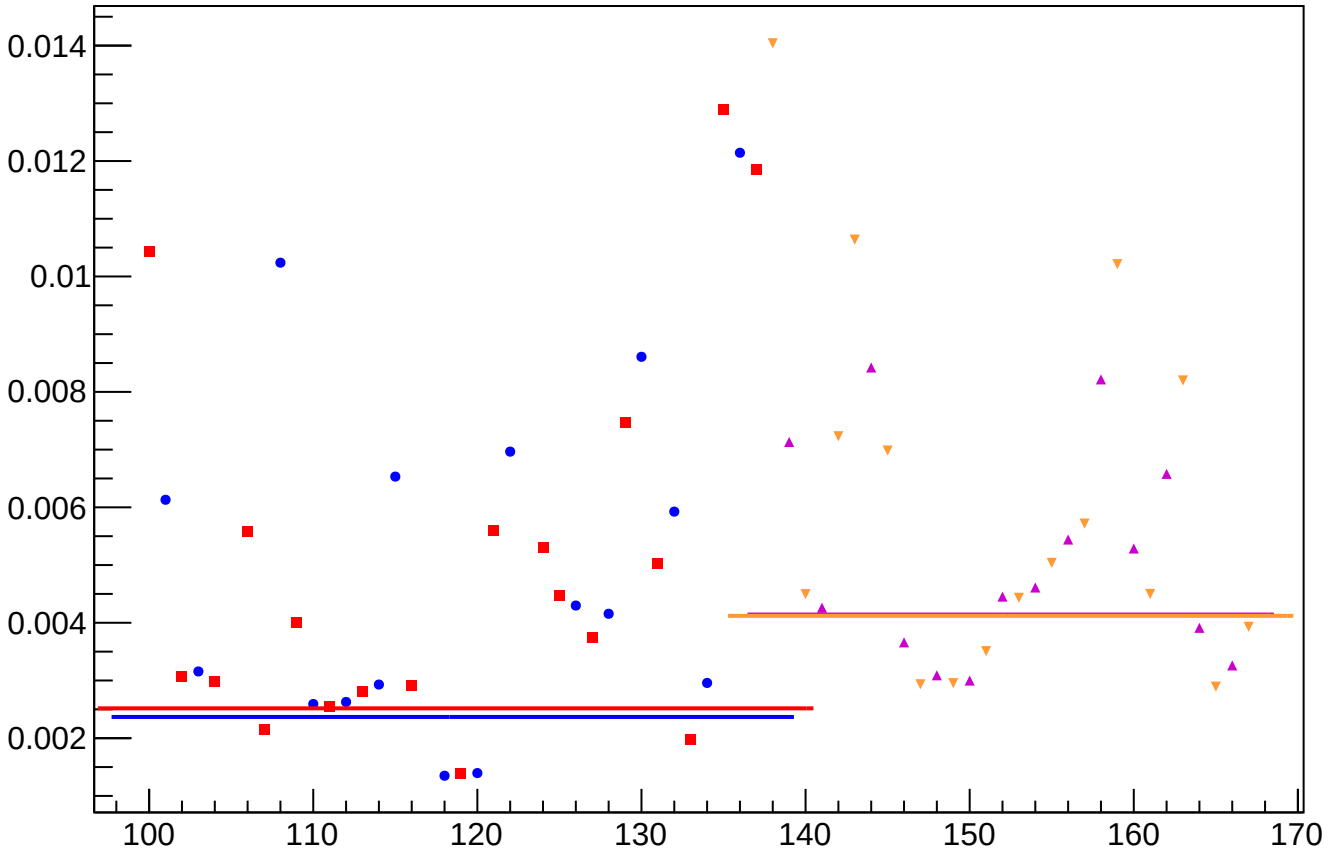
Left: 0.000+/-0.000 χ^2/NDF: 35.8/29

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:27.7/29

Out: 0.000+/-0.000 χ^2/NDF:45.4/34

All: 0.000+/-0.000 χ^2/NDF: 73.2/64



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3804204.0/15

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2003969.6/13

Left: 0.004+/-0.000 χ^2/NDF: 5808456.9/29

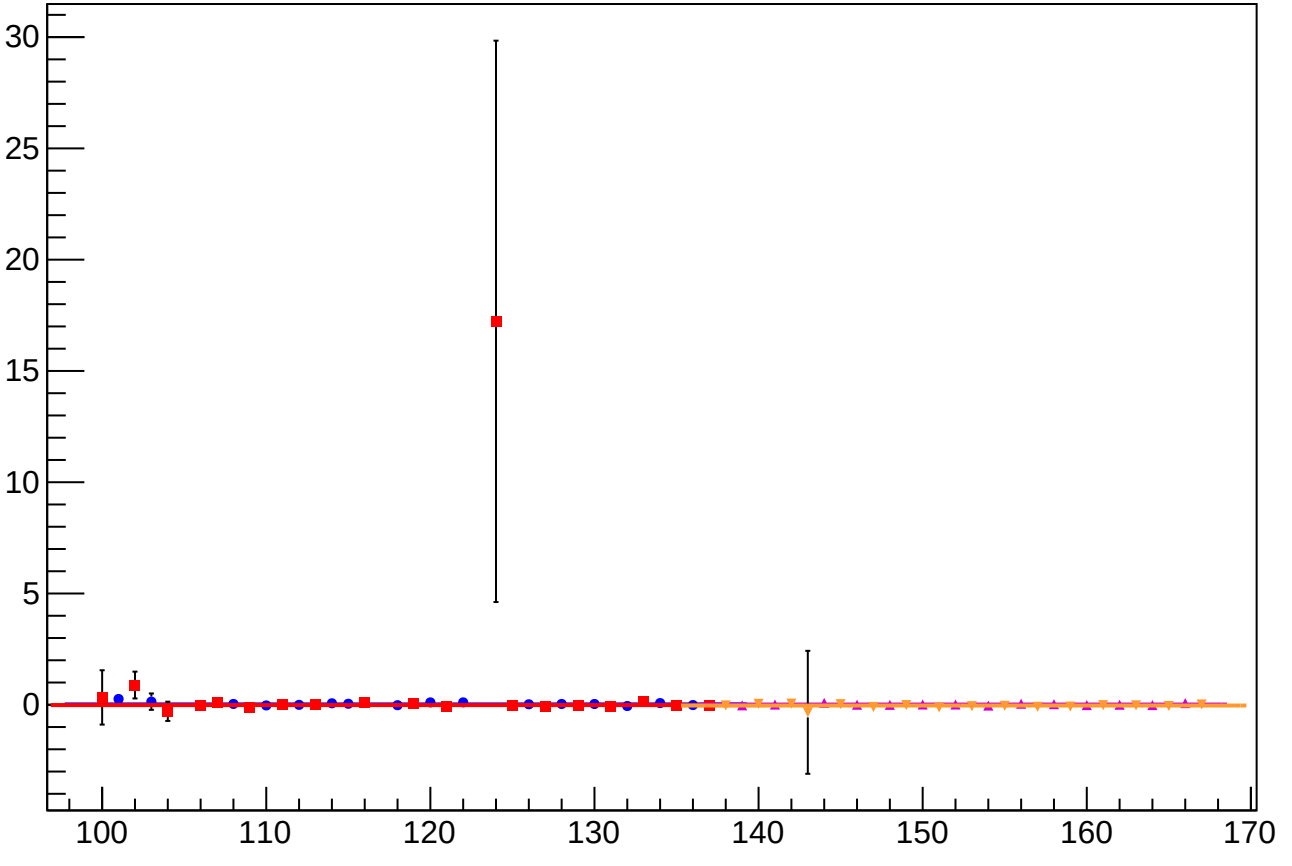
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8793246.8/29

Out: 0.003+/-0.000 χ^2/NDF:9062057.4/34

All: 0.003+/-0.000 χ^2/NDF: 17867717.8/64

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.013+/-0.008 χ^2/NDF: 37.6/29

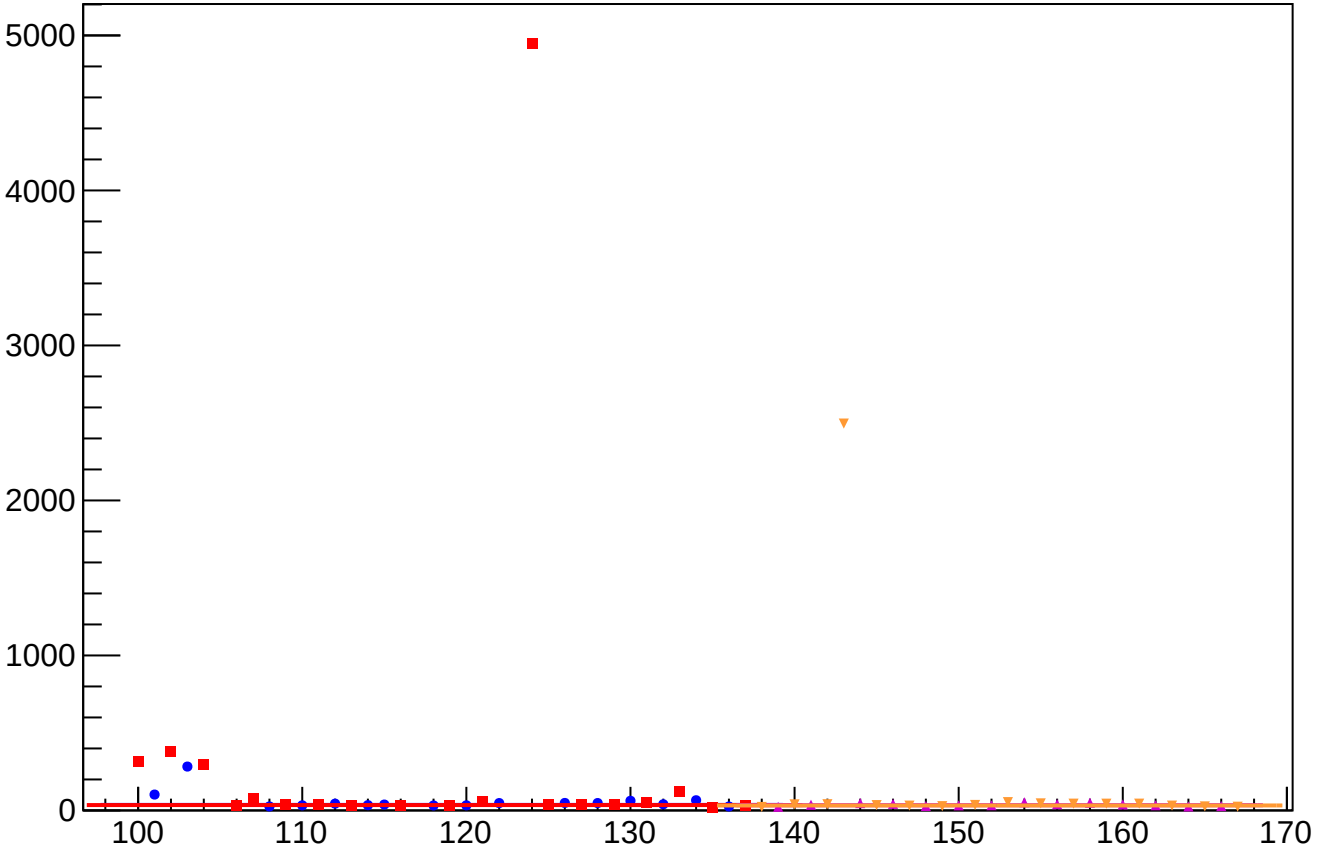
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.2/29

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.2/64

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.900+/-0.008 χ^2/NDF:1090343.4/13

Left: 33.019+/-0.005 χ^2/NDF: 4006347.6/29

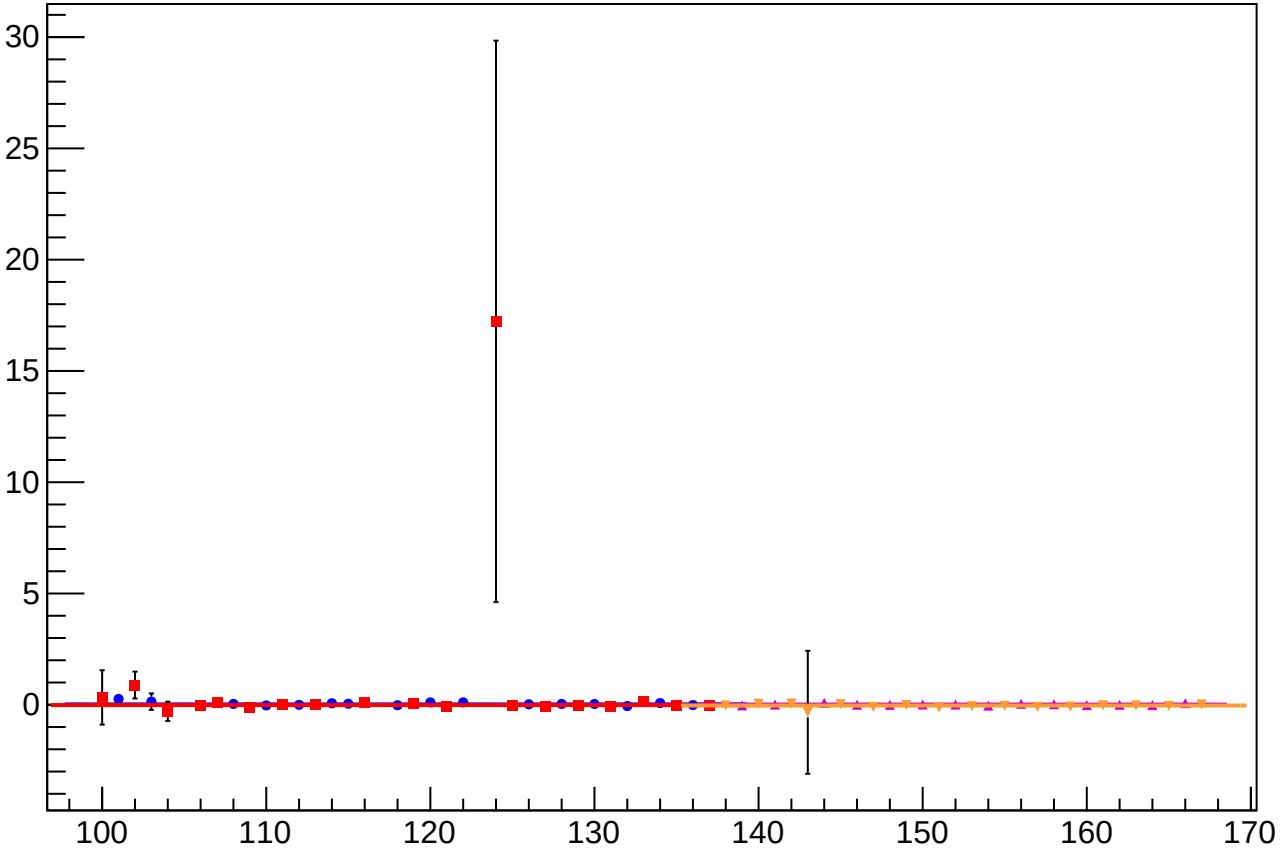
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.517+/-0.006 χ^2/NDF:3373800.1/29

Out: 33.016+/-0.006 χ^2/NDF:5842973.3/34

All: 33.738+/-0.004 χ^2/NDF: 9246054.0/64

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.013+/-0.008 χ^2/NDF: 37.6/29

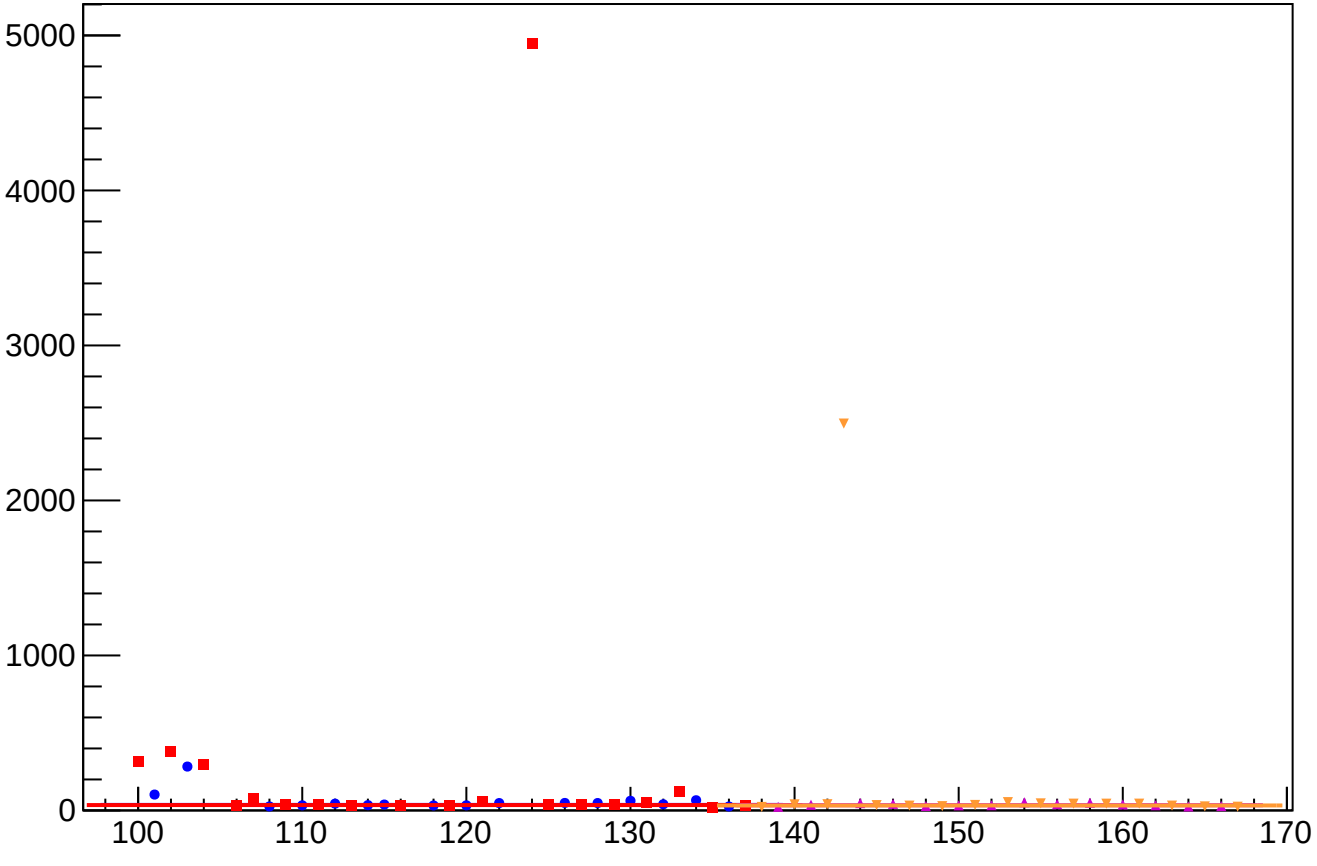
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.2/29

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.2/64

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.900+/-0.008 χ^2/NDF:1090343.4/13

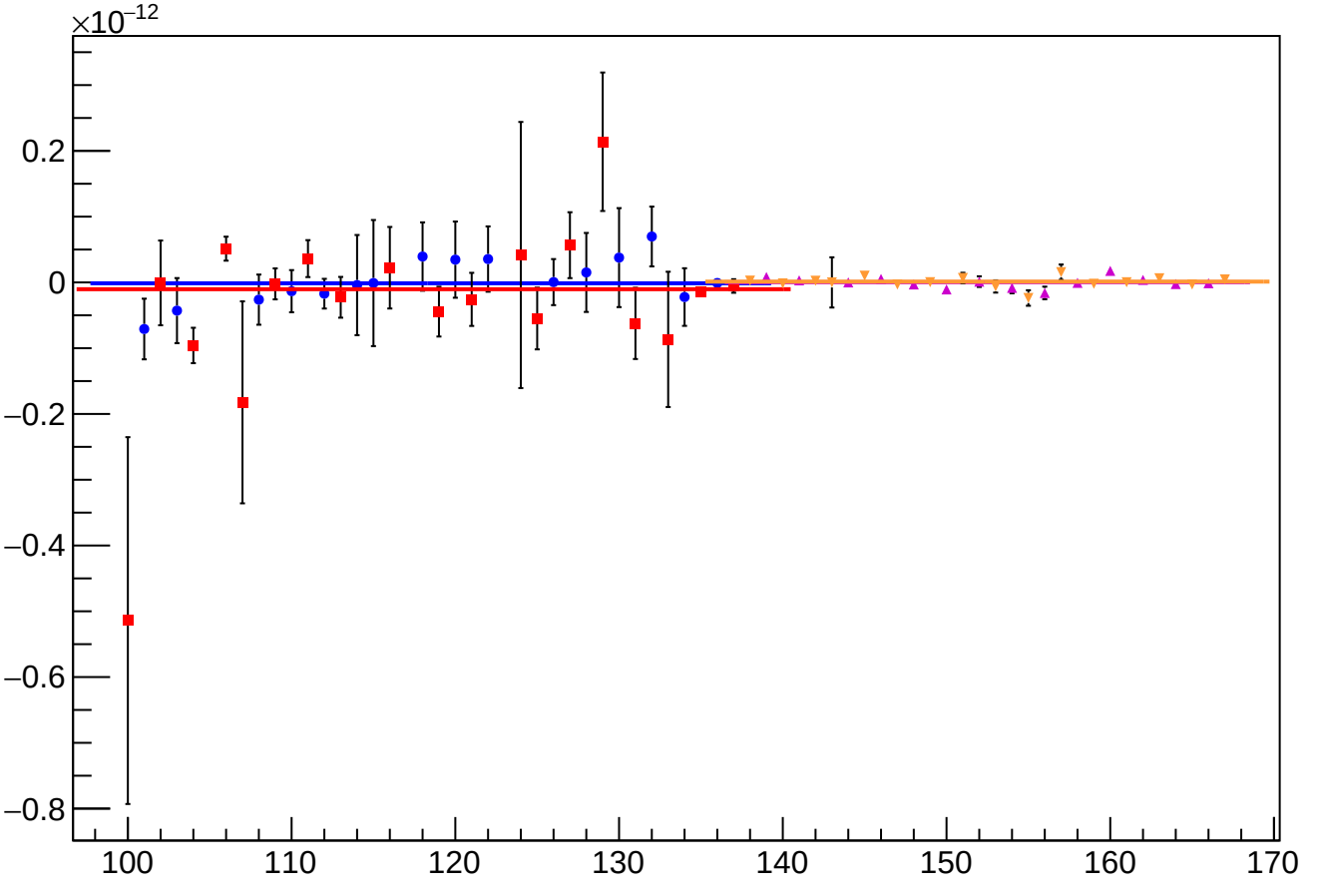
Left: 33.019+/-0.005 χ^2/NDF: 4006347.6/29

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.517+/-0.006 χ^2/NDF:3373800.1/29

Out: 33.016+/-0.006 χ^2/NDF:5842973.3/34

All: 33.738+/-0.004 χ^2/NDF: 9246054.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/13

Left: 0.000+/-0.000 χ^2/NDF: 30.3/29

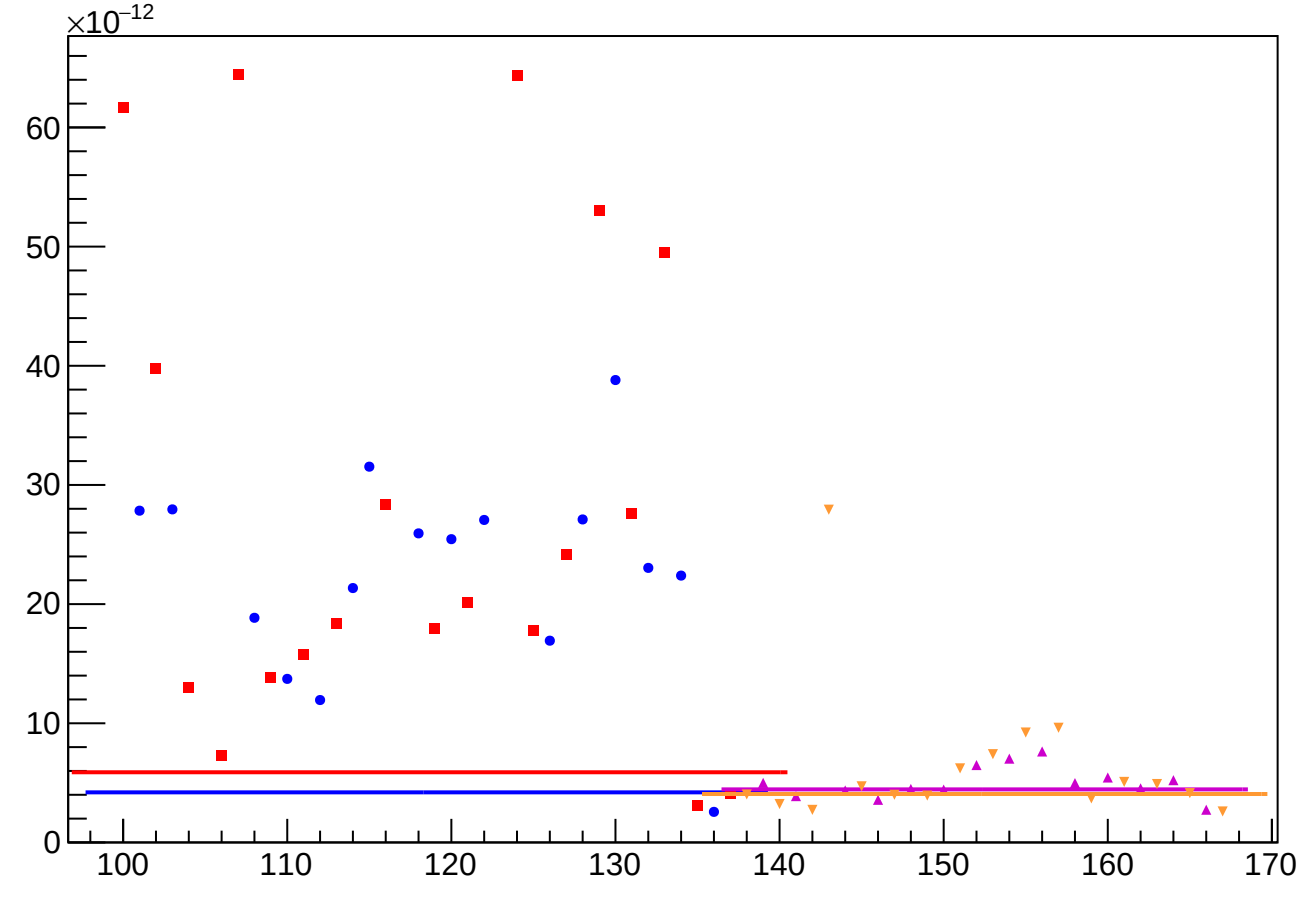
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:26.3/29

Out: -0.000+/-0.000 χ^2/NDF:59.3/34

All: -0.000+/-0.000 χ^2/NDF: 85.6/64

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2657632.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1057529.7/13

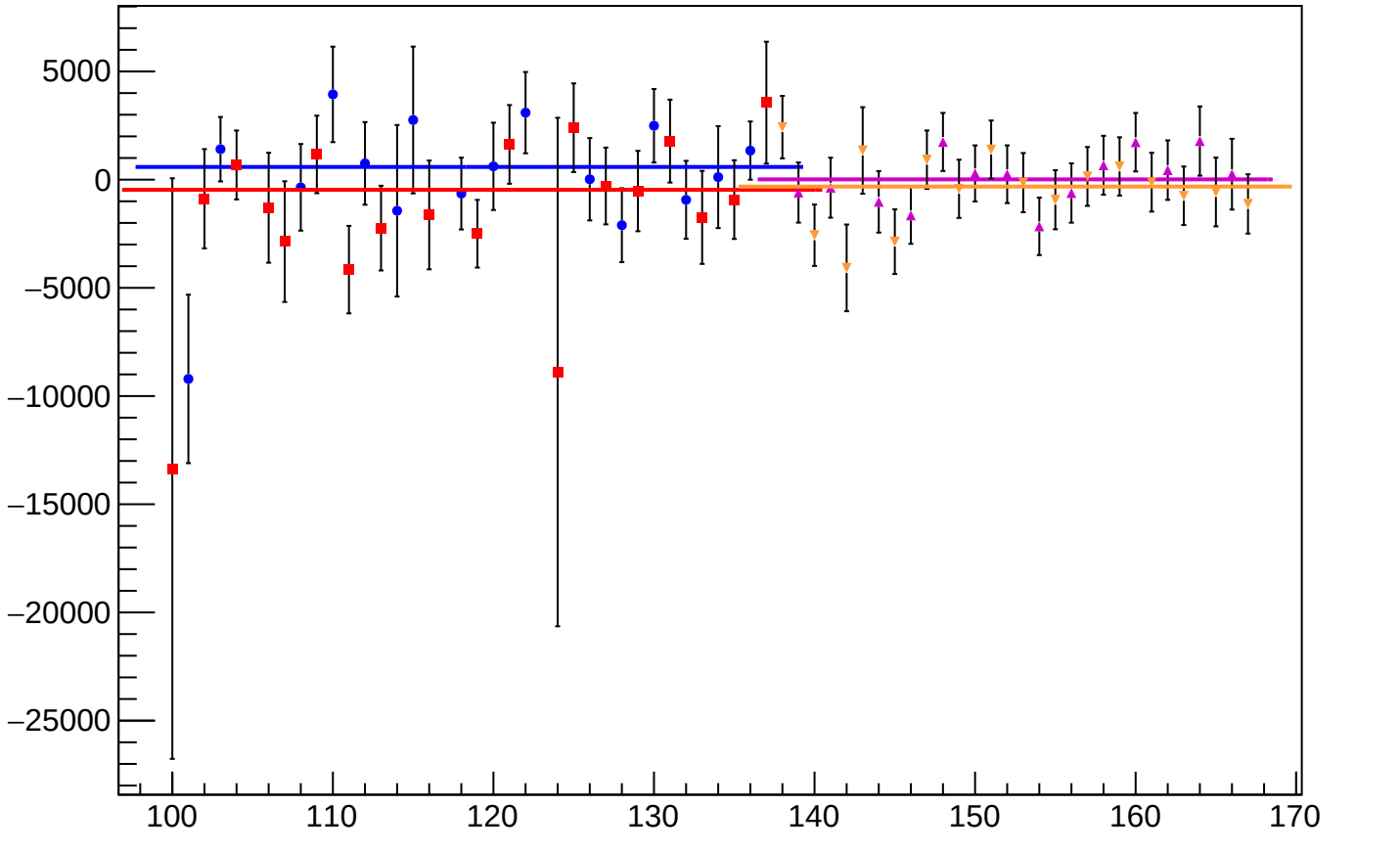
Left: 0.000+/-0.000 χ^2/NDF: 3778833.2/29

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6146532.0/29

Out: 0.000+/-0.000 χ^2/NDF:7857324.6/34

All: 0.000+/-0.000 χ^2/NDF: 14013525.5/64



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.454+/-358.993 χ^2/NDF:17.0/15

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: 12.554+/-369.955 χ^2/NDF:10.2/13

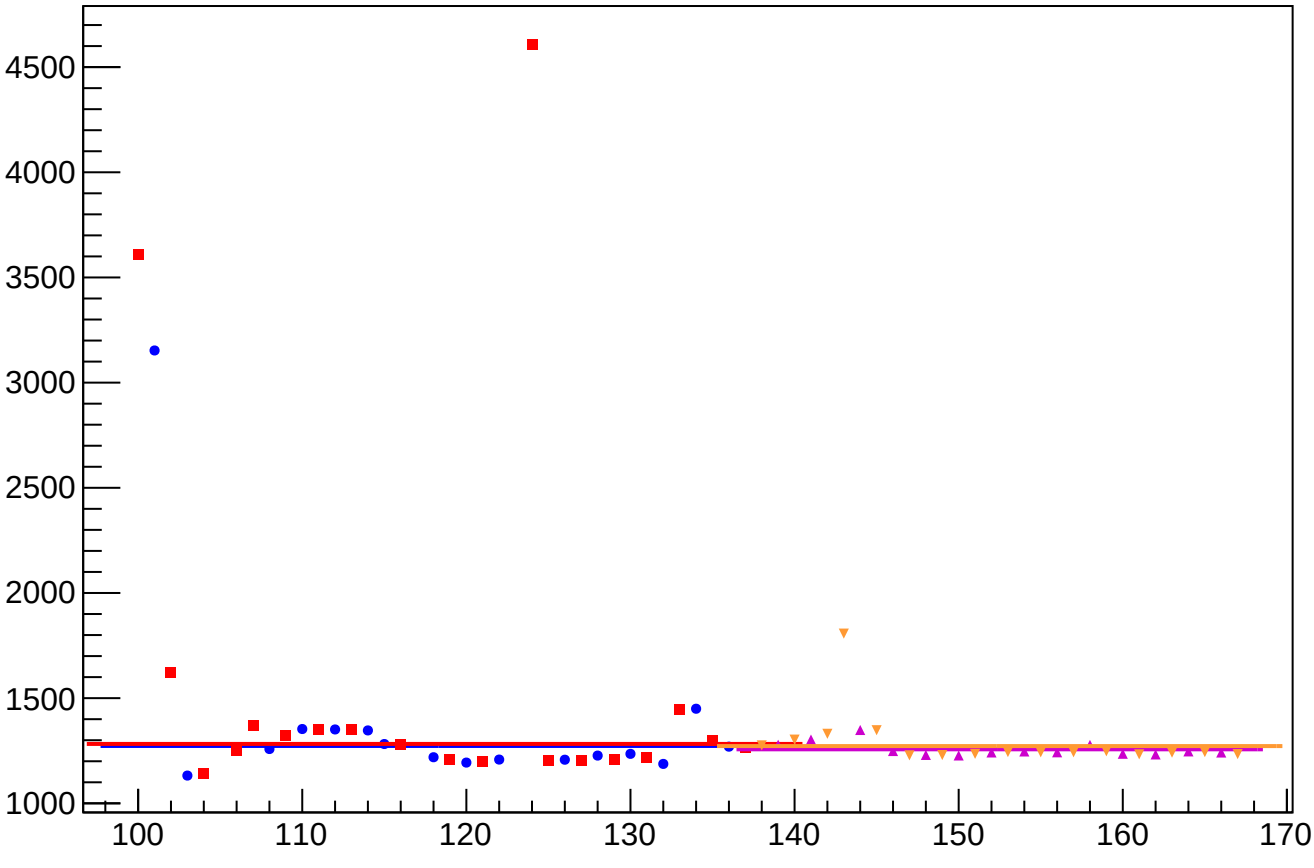
Left: -158.442+/-257.635 χ^2/NDF: 27.6/29

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 225.248+/-293.572 χ^2/NDF:28.2/29

Out: -373.028+/-287.594 χ^2/NDF:33.9/34

All: -80.044+/-205.441 χ^2/NDF: 64.2/64



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

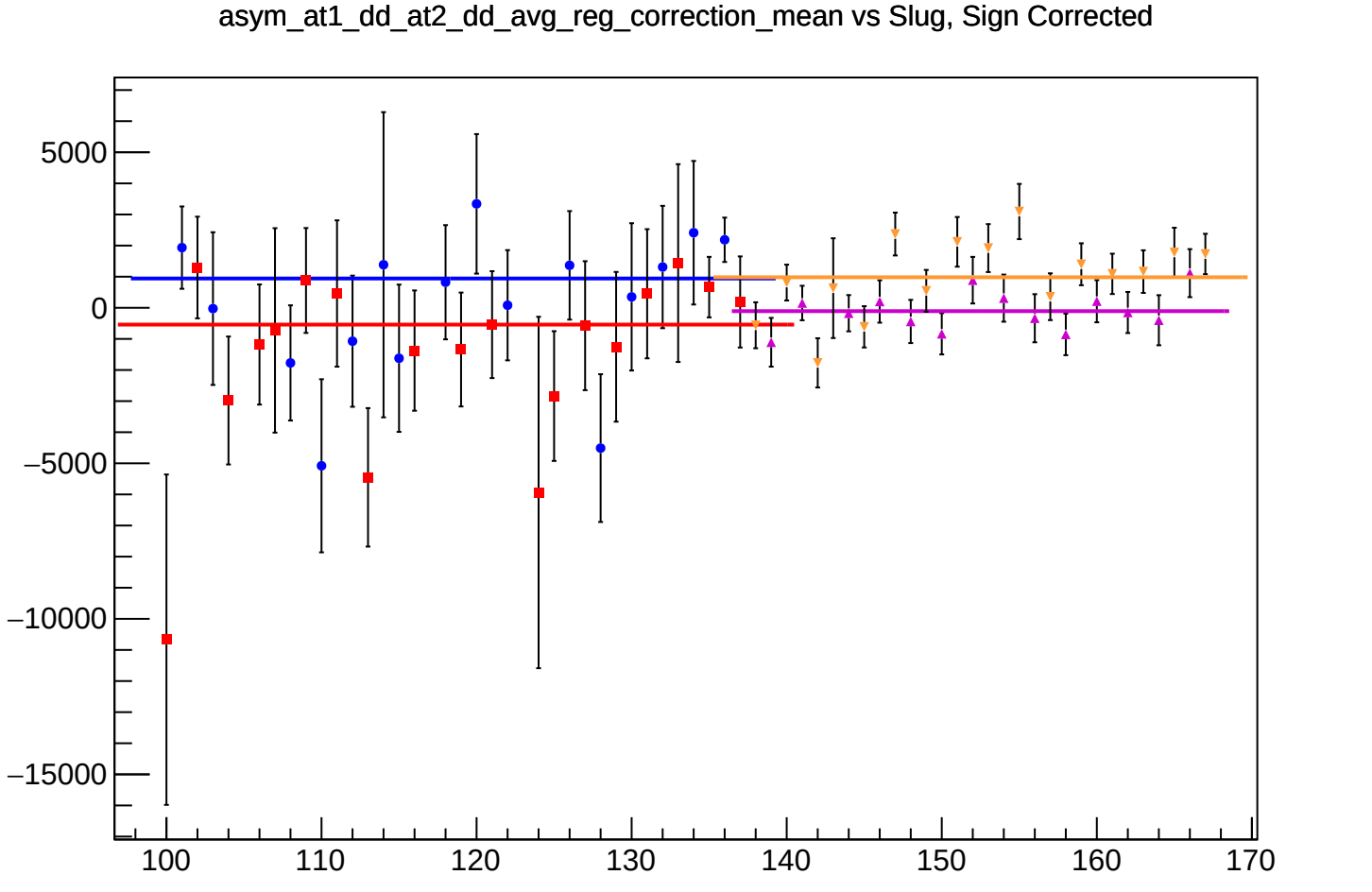
Left: 1264.671+/-0.182 χ^2/NDF: 181852.8/29

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1262.704+/-0.208 χ^2/NDF:536085.9/29

Out: 1275.787+/-0.203 χ^2/NDF:487346.5/34

All: 1269.380+/-0.145 χ^2/NDF: 1025459.1/64



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 981.981+/-181.441 χ^2/NDF:39.5/15

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -107.621+/-184.273 χ^2/NDF:9.8/13

Left: 445.616+/-129.288 χ^2/NDF: 67.1/29

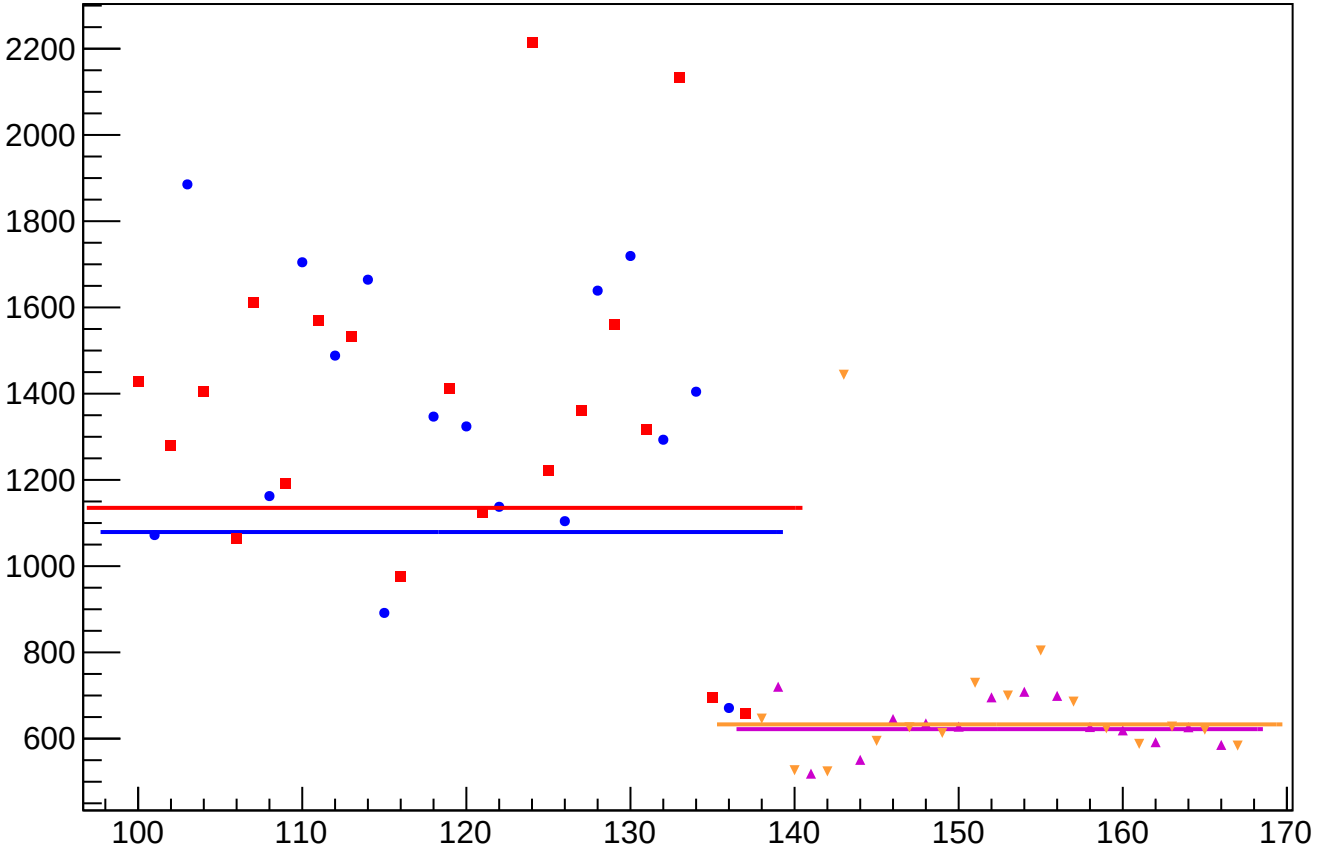
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 57.889+/-169.118 χ^2/NDF:34.8/29

Out: 760.615+/-167.734 χ^2/NDF:66.9/34

All: 412.139+/-119.092 χ^2/NDF: 110.5/64

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 633.035+/-0.128 χ^2/NDF:777339.8/15

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 621.985+/-0.130 χ^2/NDF:208305.0/13

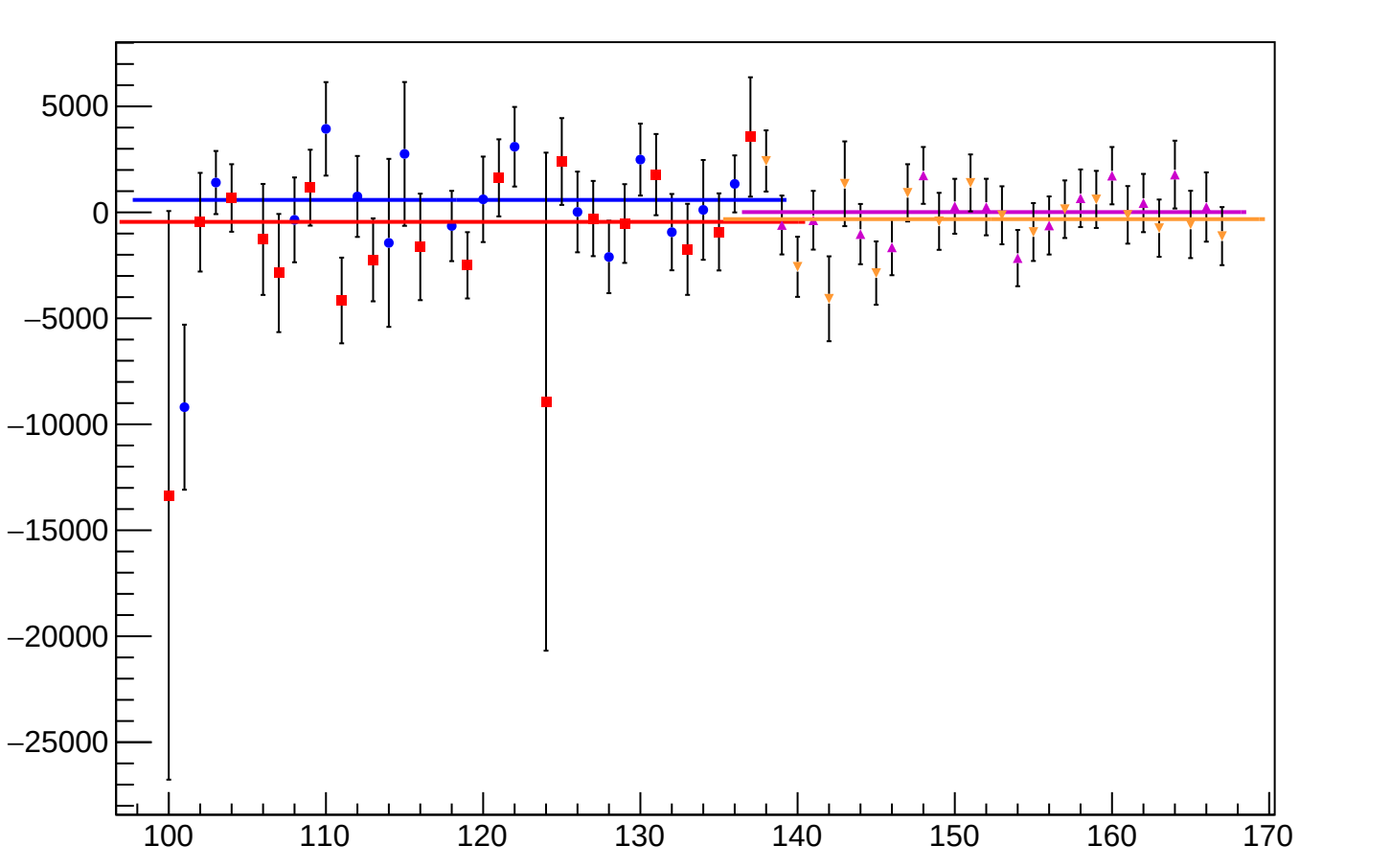
Left: 627.596+/-0.091 χ^2/NDF: 989295.8/29

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 694.085+/-0.120 χ^2/NDF:3631810.3/29

Out: 706.037+/-0.119 χ^2/NDF:4297359.8/34

All: 700.110+/-0.084 χ^2/NDF: 7934205.2/64



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.546+/-358.993 χ^2/NDF:17.0/15

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 12.535+/-369.955 χ^2/NDF:10.2/13

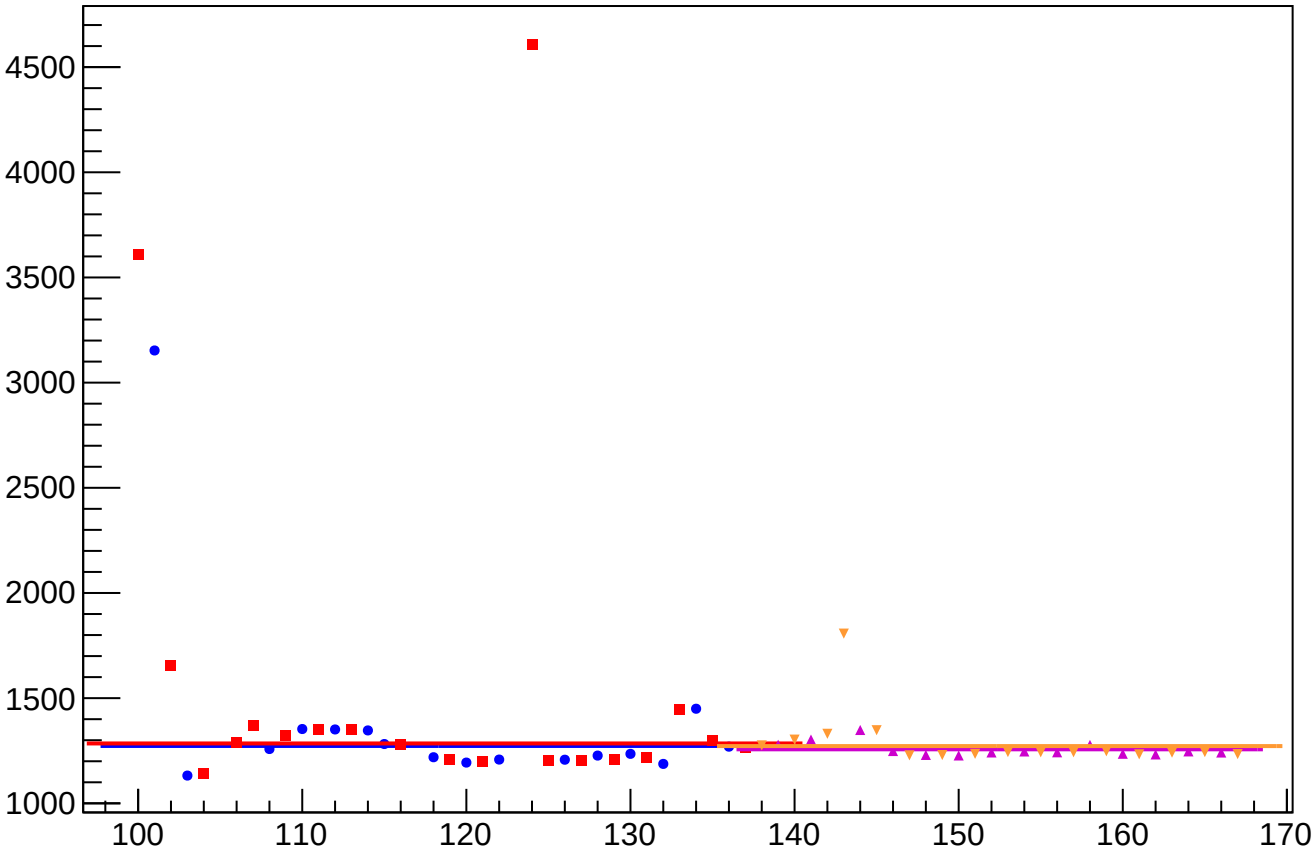
Left: -158.498+/-257.635 χ^2/NDF: 27.6/29

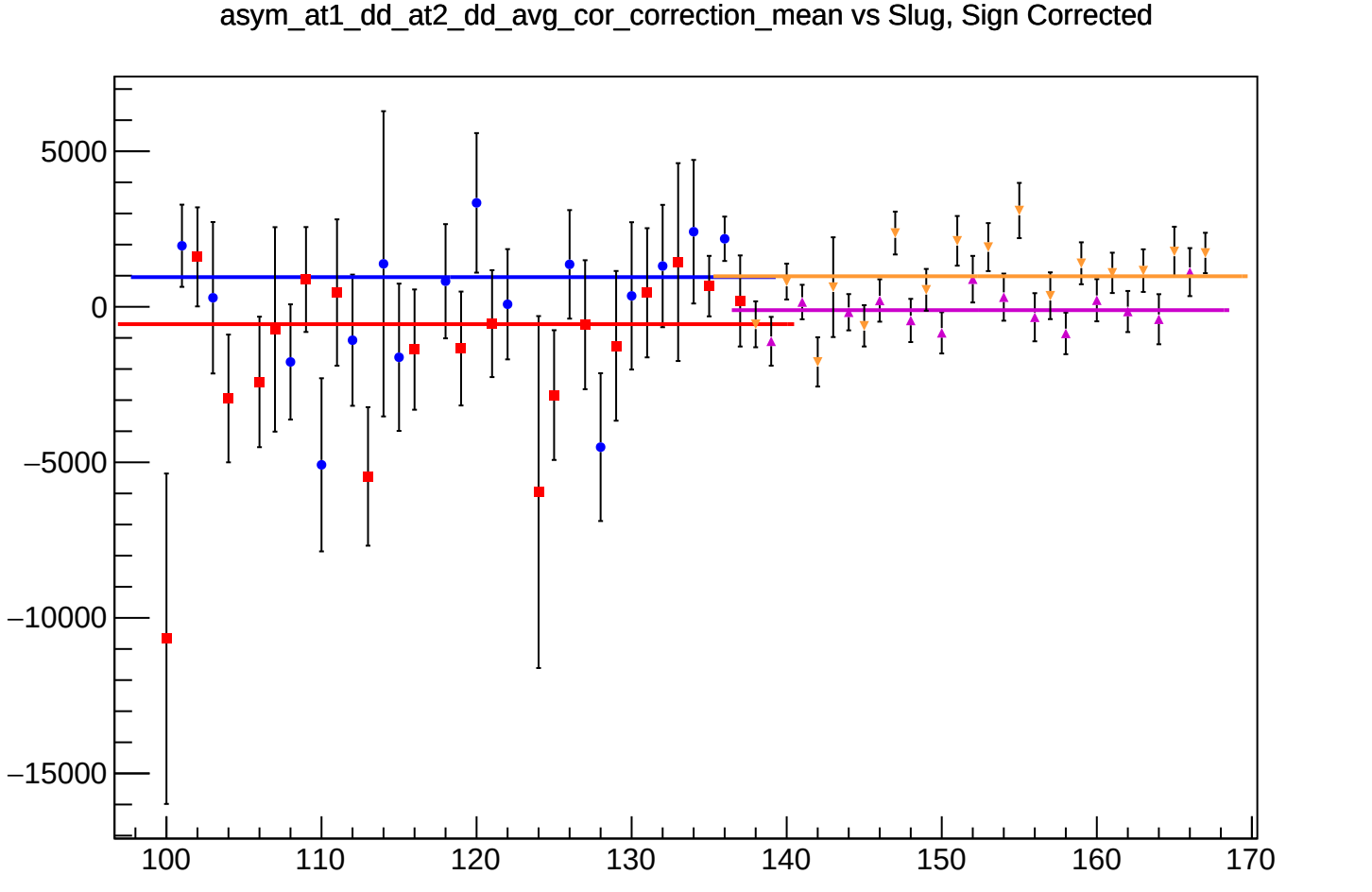
Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 225.354+/-293.572 χ^2/NDF:28.2/29

Out: -365.607+/-287.769 χ^2/NDF:33.9/34

All: -76.025+/-205.505 χ^2/NDF: 64.1/64


cor_asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1272.804+/-0.341 χ²/NDF: 519299.6/15
Left Out: 1272.115+/-0.254 χ²/NDF:164683.8/15
Right Out: 1284.654+/-0.340 χ²/NDF: 328734.9/18
Left In: 1256.764+/-0.262 χ²/NDF:15395.5/13
Left: 1264.671+/-0.182 χ²/NDF: 181852.8/29
Right: 1278.743+/-0.241 χ²/NDF: 848639.3/34
In: 1262.704+/-0.208 χ²/NDF:536087.2/29
Out: 1276.597+/-0.203 χ²/NDF:494290.9/34
All: 1269.789+/-0.145 χ²/NDF: 1032662.4/64



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 981.974+/-181.442 χ^2/NDF:39.5/15

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -107.587+/-184.272 χ^2/NDF:9.8/13

Left: 445.623+/-129.288 χ^2/NDF: 67.1/29

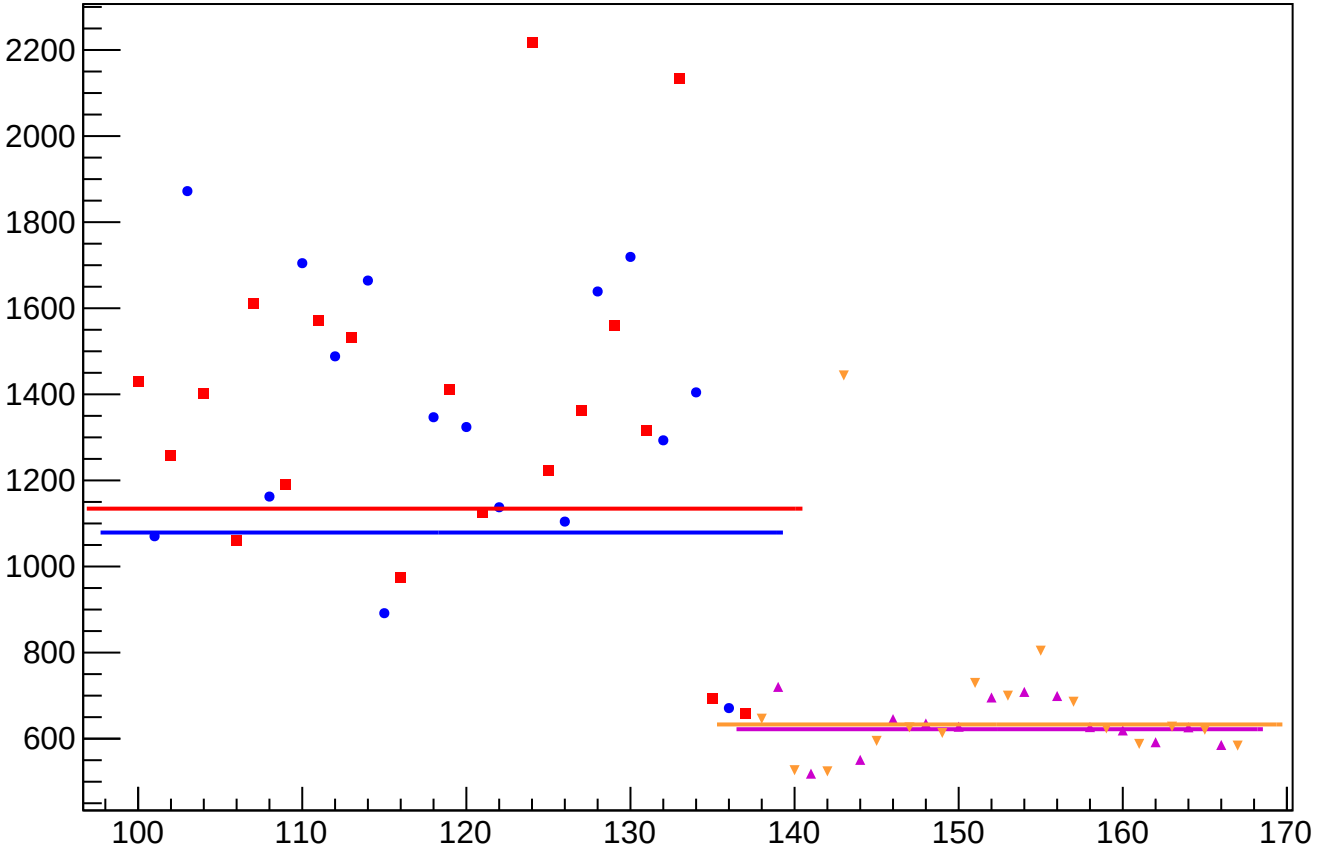
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 59.987+/-169.106 χ^2/NDF:34.9/29

Out: 758.830+/-167.782 χ^2/NDF:68.4/34

All: 412.155+/-119.105 χ^2/NDF: 111.9/64

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.982+/-0.130 χ^2/NDF:208331.8/13

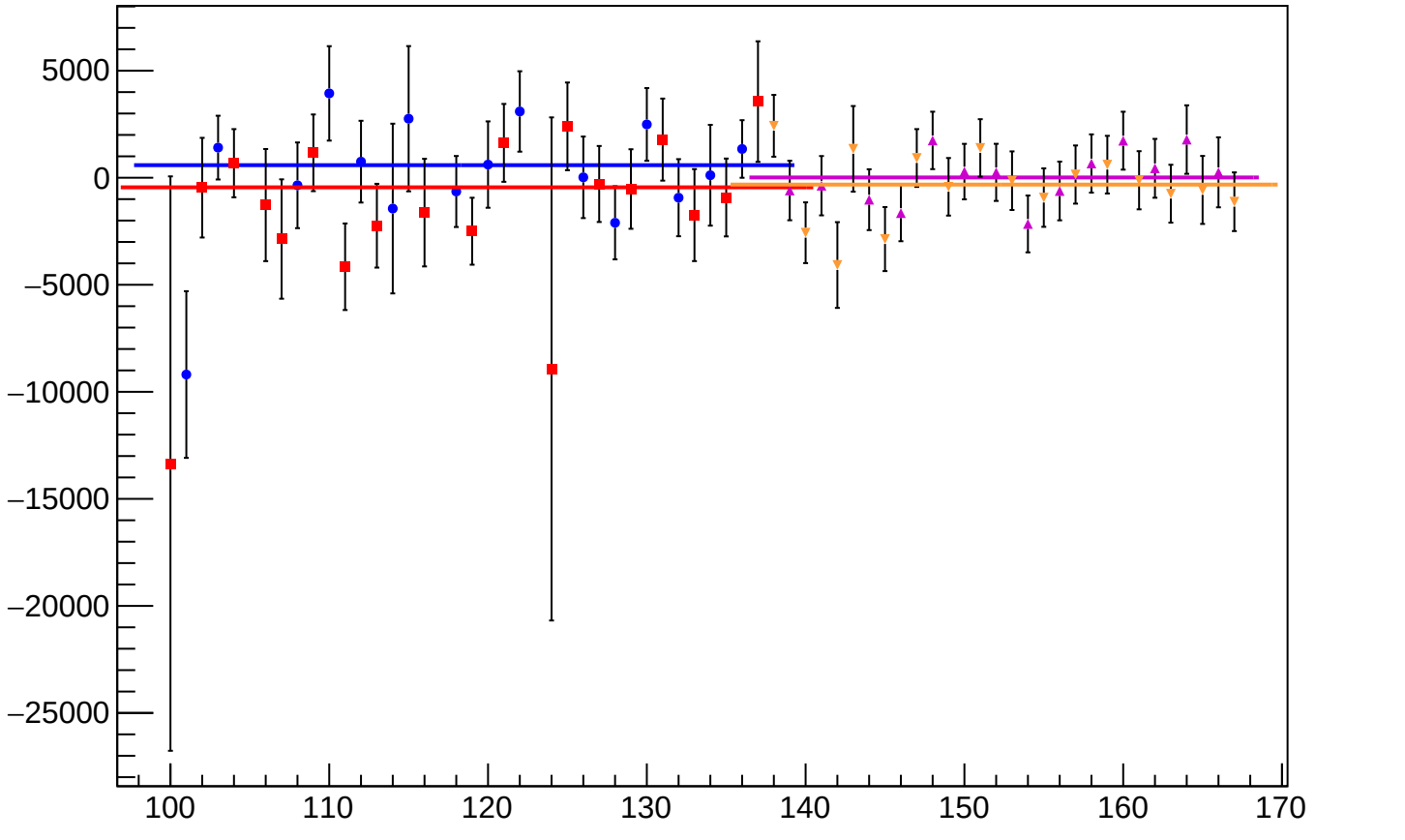
Left: 627.597+/-0.091 χ^2/NDF: 989235.2/29

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 694.102+/-0.120 χ^2/NDF:3628117.7/29

Out: 705.695+/-0.119 χ^2/NDF:4279186.2/34

All: 699.944+/-0.084 χ^2/NDF: 7912040.4/64



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.546+/-358.993 χ^2/NDF:17.0/15

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 12.535+/-369.955 χ^2/NDF:10.2/13

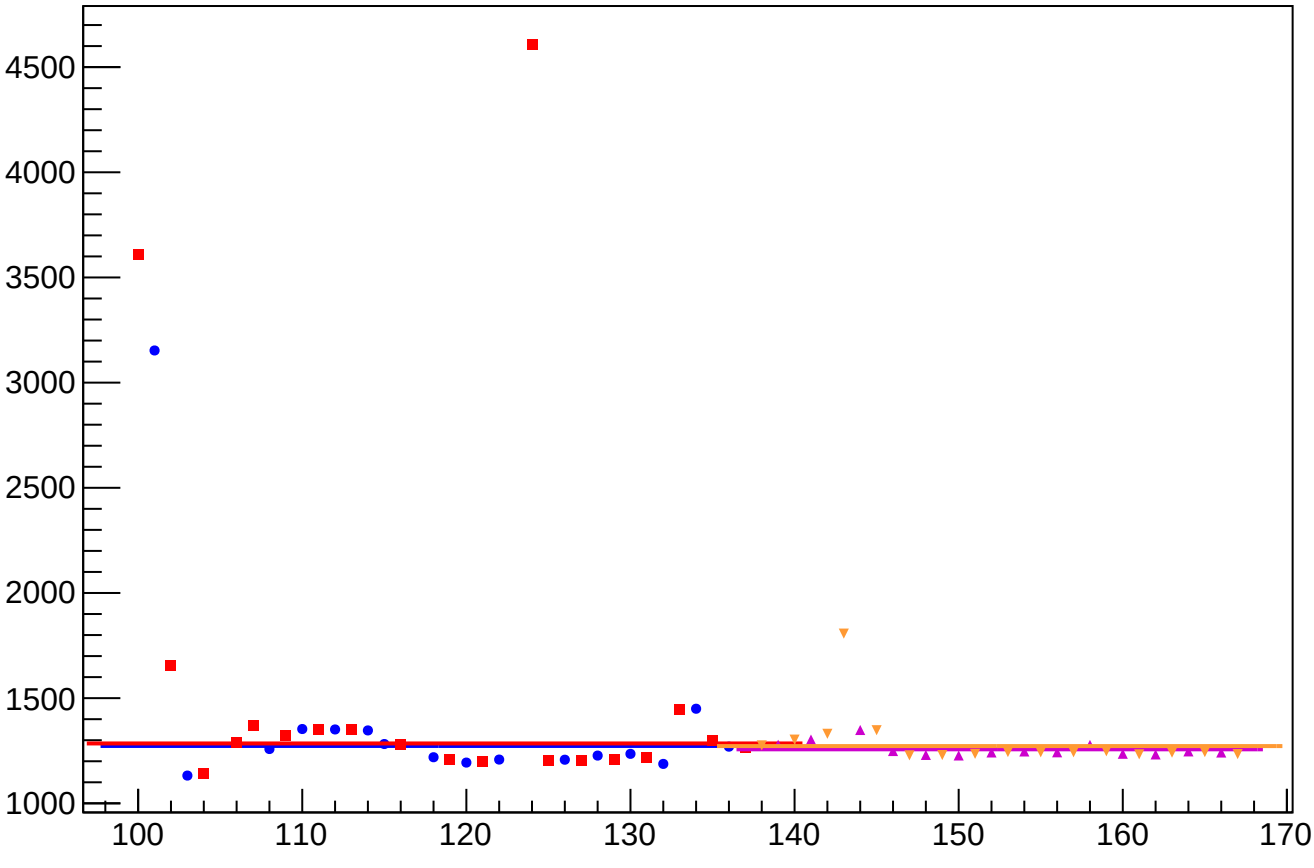
Left: -158.498+/-257.635 χ^2/NDF: 27.6/29

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 225.354+/-293.572 χ^2/NDF:28.2/29

Out: -365.607+/-287.769 χ^2/NDF:33.9/34

All: -76.025+/-205.505 χ^2/NDF: 64.1/64



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

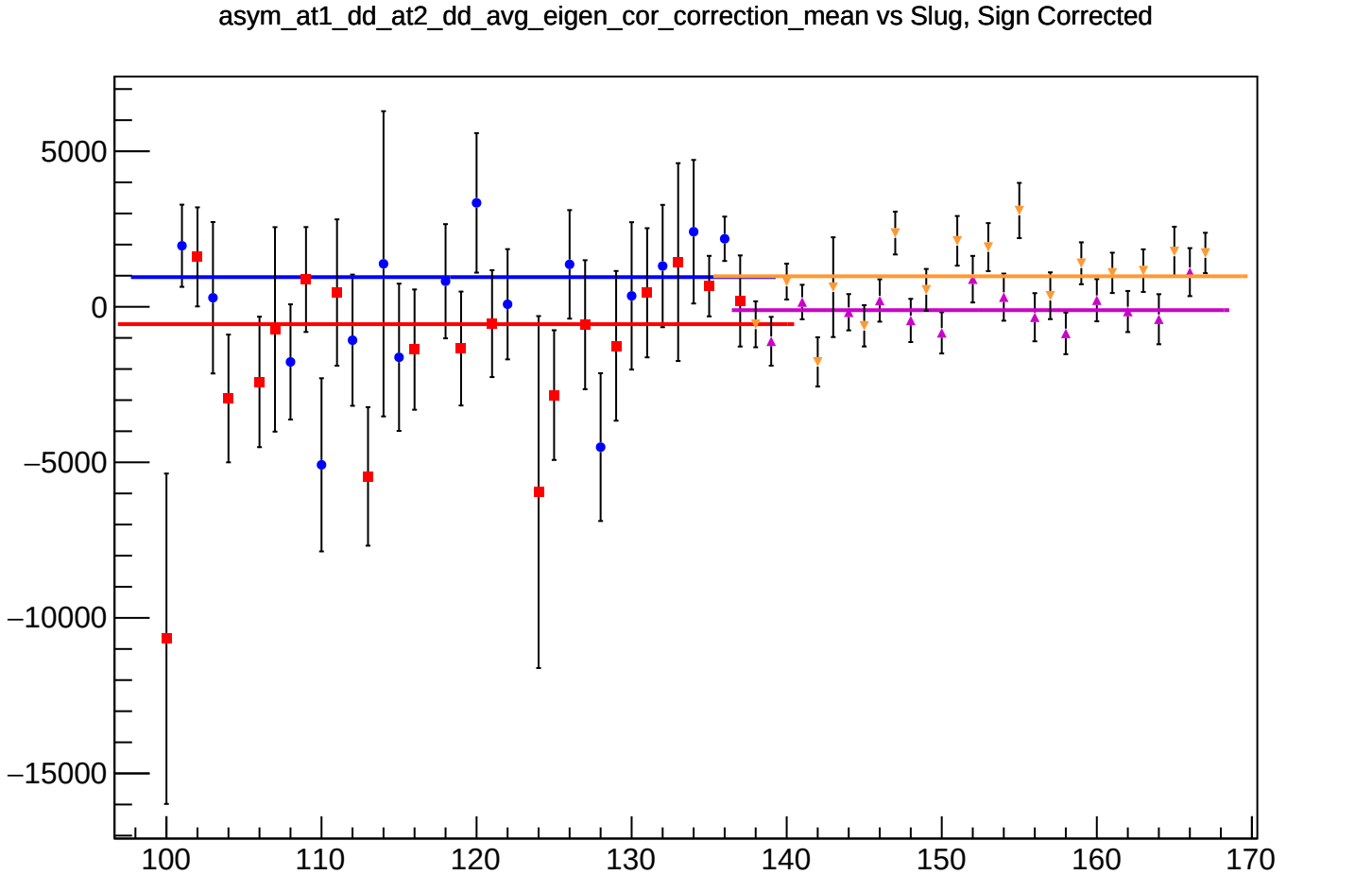
Left: 1264.671+/-0.182 χ^2/NDF: 181852.8/29

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1262.704+/-0.208 χ^2/NDF:536087.2/29

Out: 1276.597+/-0.203 χ^2/NDF:494290.9/34

All: 1269.789+/-0.145 χ^2/NDF: 1032662.4/64



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 981.974+/-181.442 χ^2/NDF:39.5/15

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -107.587+/-184.272 χ^2/NDF:9.8/13

Left: 445.623+/-129.288 χ^2/NDF: 67.1/29

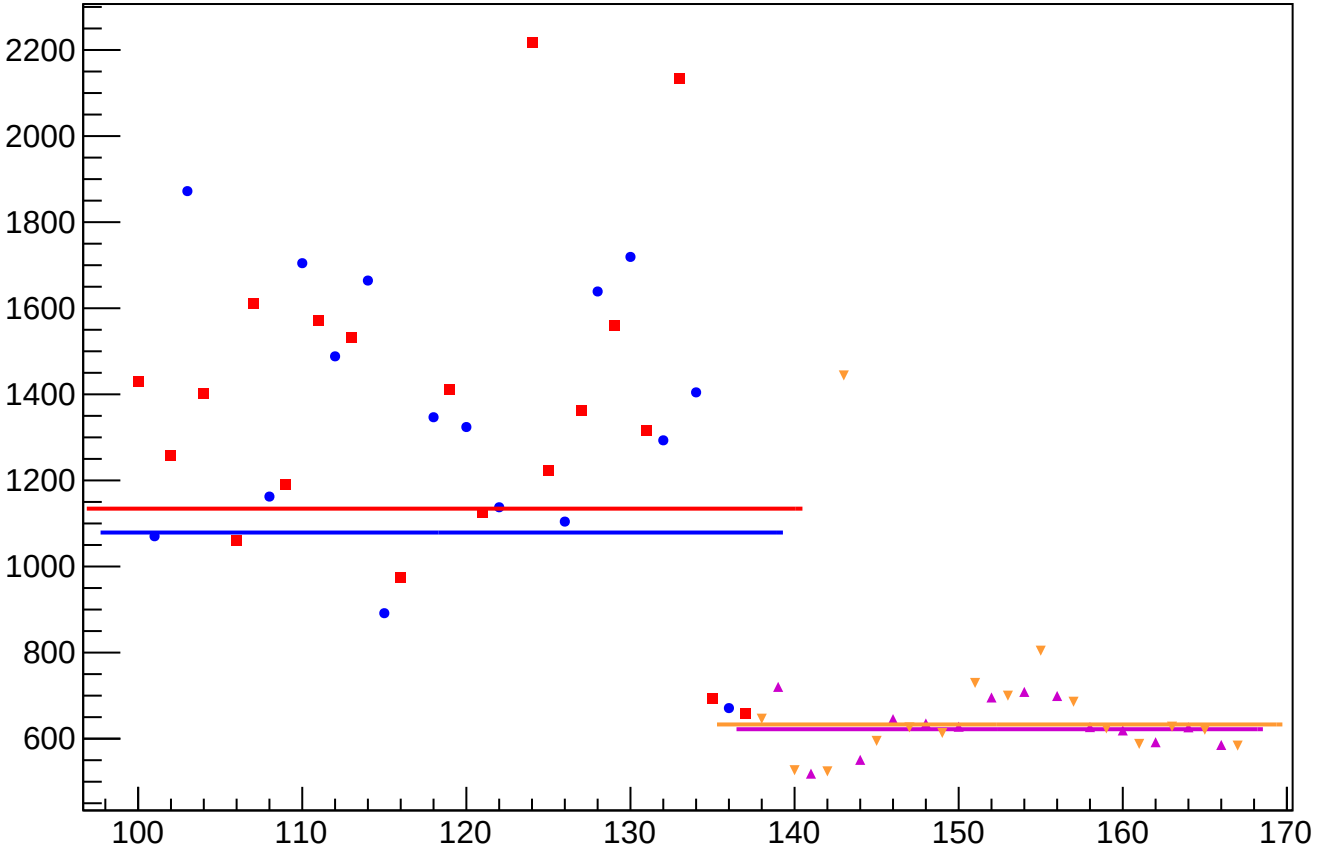
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 59.987+/-169.106 χ^2/NDF:34.9/29

Out: 758.830+/-167.782 χ^2/NDF:68.4/34

All: 412.155+/-119.105 χ^2/NDF: 111.9/64

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.982+/-0.130 χ^2/NDF:208331.8/13

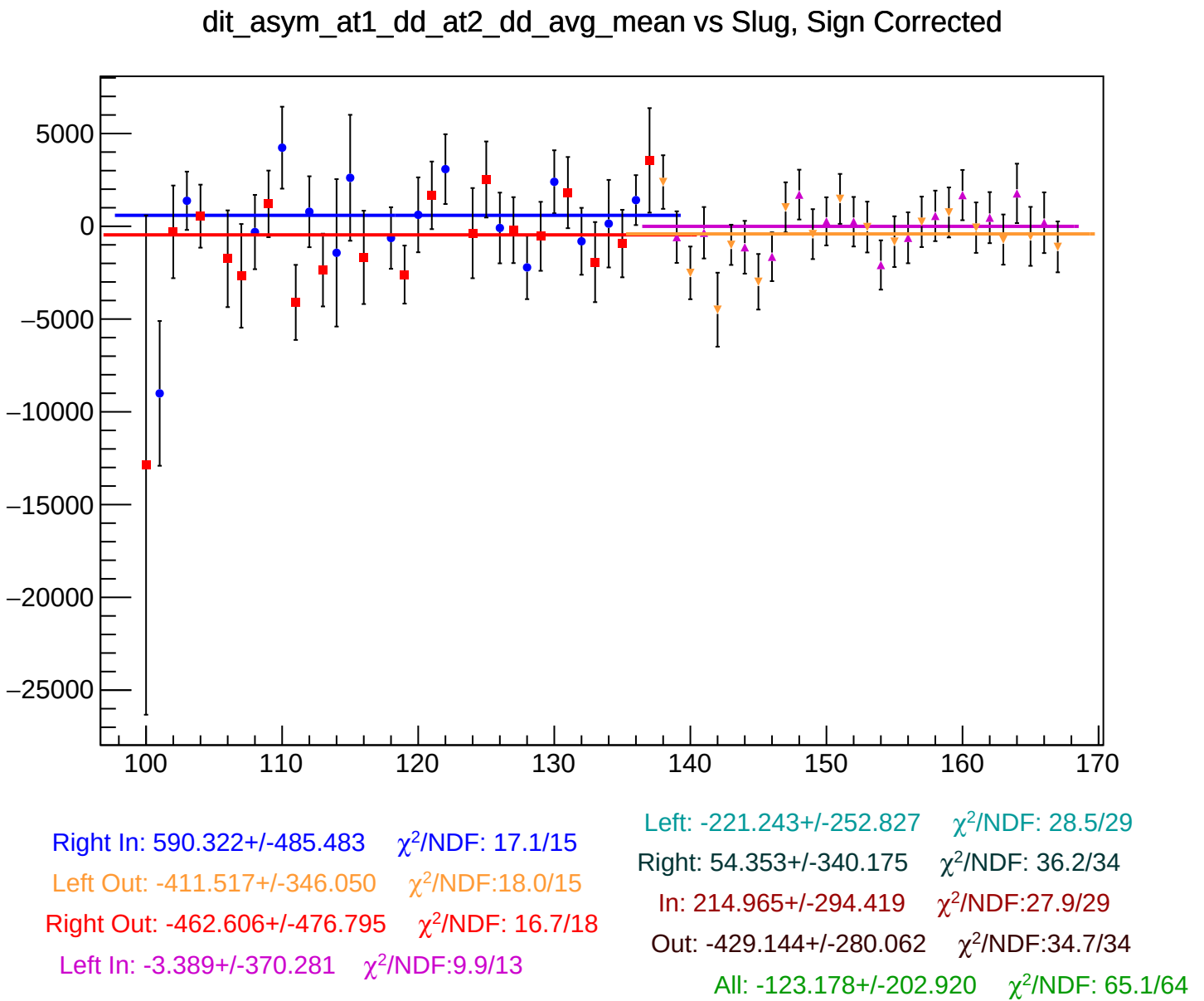
Left: 627.597+/-0.091 χ^2/NDF: 989235.2/29

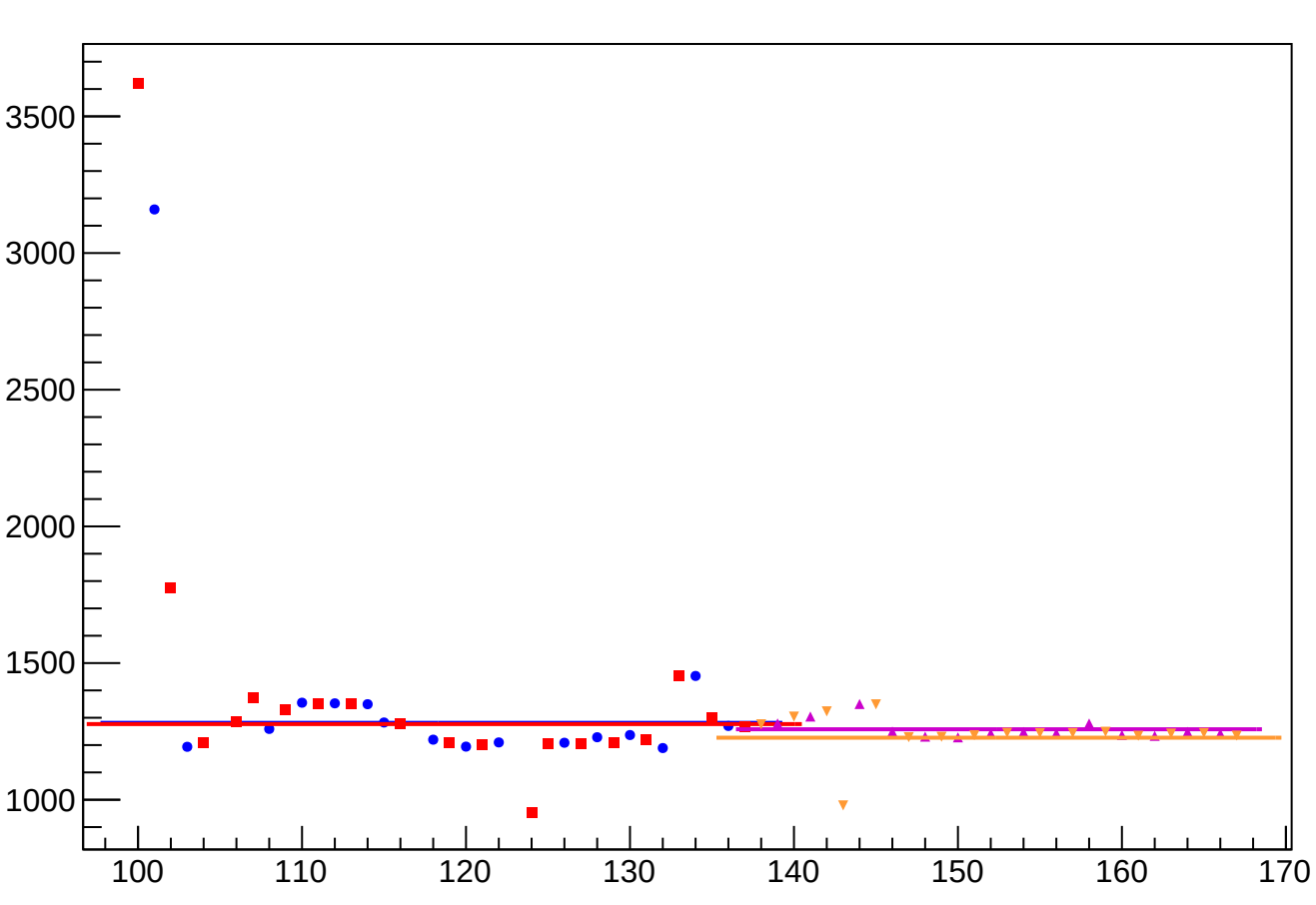
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 694.102+/-0.120 χ^2/NDF:3628117.7/29

Out: 705.695+/-0.119 χ^2/NDF:4279186.2/34

All: 699.944+/-0.084 χ^2/NDF: 7912040.4/64


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -411.517+/-346.050 χ²/NDF:18.0/15
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -3.389+/-370.281 χ²/NDF:9.9/13
Left: -221.243+/-252.827 χ²/NDF: 28.5/29
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 214.965+/-294.419 χ²/NDF:27.9/29
Out: -429.144+/-280.062 χ²/NDF:34.7/34
All: -123.178+/-202.920 χ²/NDF: 65.1/64



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.988+/-0.245 χ^2/NDF:132788.9/15

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1257.869+/-0.262 χ^2/NDF:15483.0/13

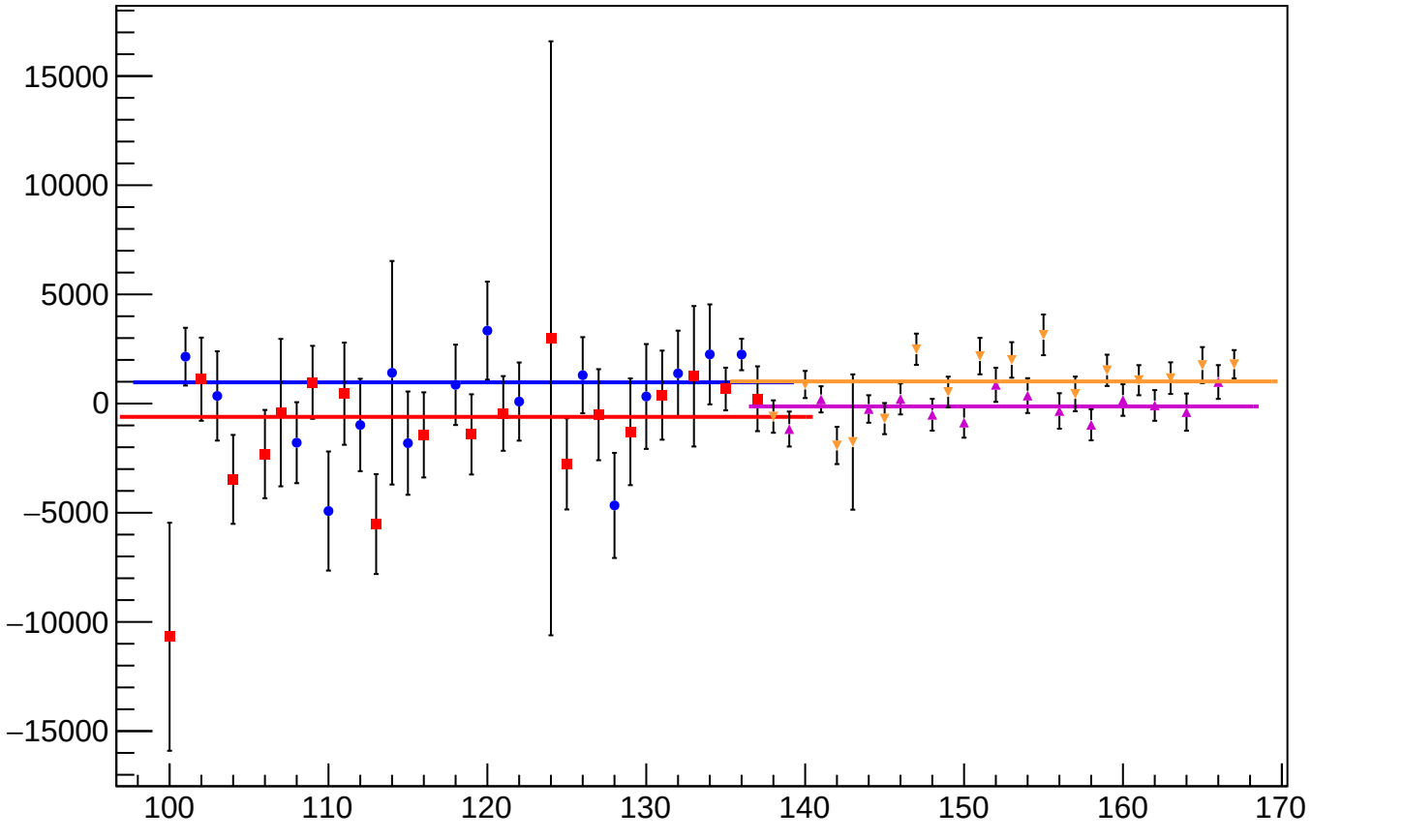
Left: 1241.385+/-0.179 χ^2/NDF: 155697.0/29

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1266.512+/-0.208 χ^2/NDF:525524.1/29

Out: 1244.195+/-0.198 χ^2/NDF:367634.5/34

All: 1254.796+/-0.143 χ^2/NDF: 899190.9/64



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 1013.965+/-191.416 χ^2/NDF:39.7/15

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -130.263+/-194.288 χ^2/NDF:9.4/13

Left: 450.369+/-136.356 χ^2/NDF: 66.8/29

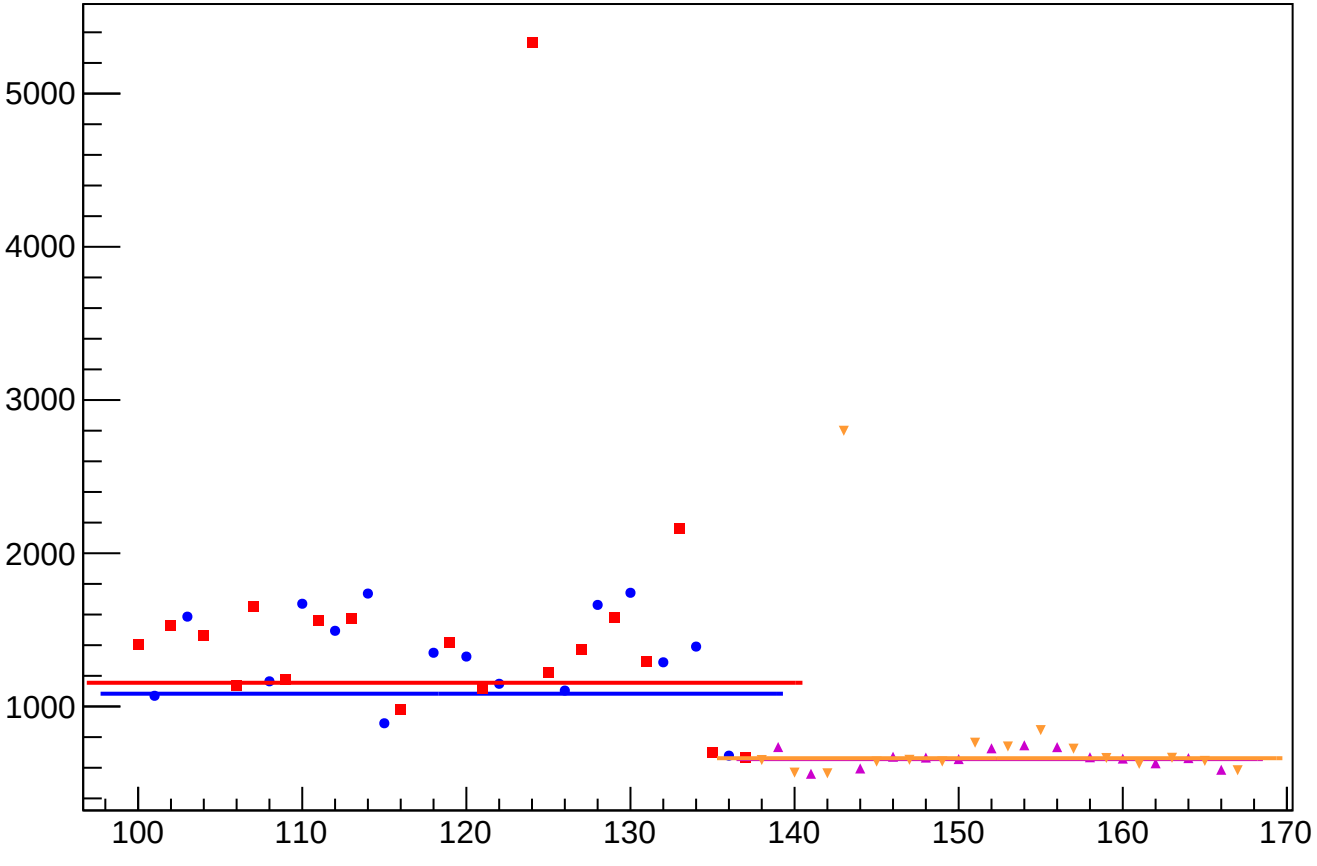
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 60.161+/-176.715 χ^2/NDF:35.5/29

Out: 763.255+/-176.006 χ^2/NDF:68.0/34

All: 413.121+/-124.705 χ^2/NDF: 111.4/64

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 662.334+/-0.135 χ^2/NDF:1200765.2/15

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 656.488+/-0.137 χ^2/NDF:170594.9/13

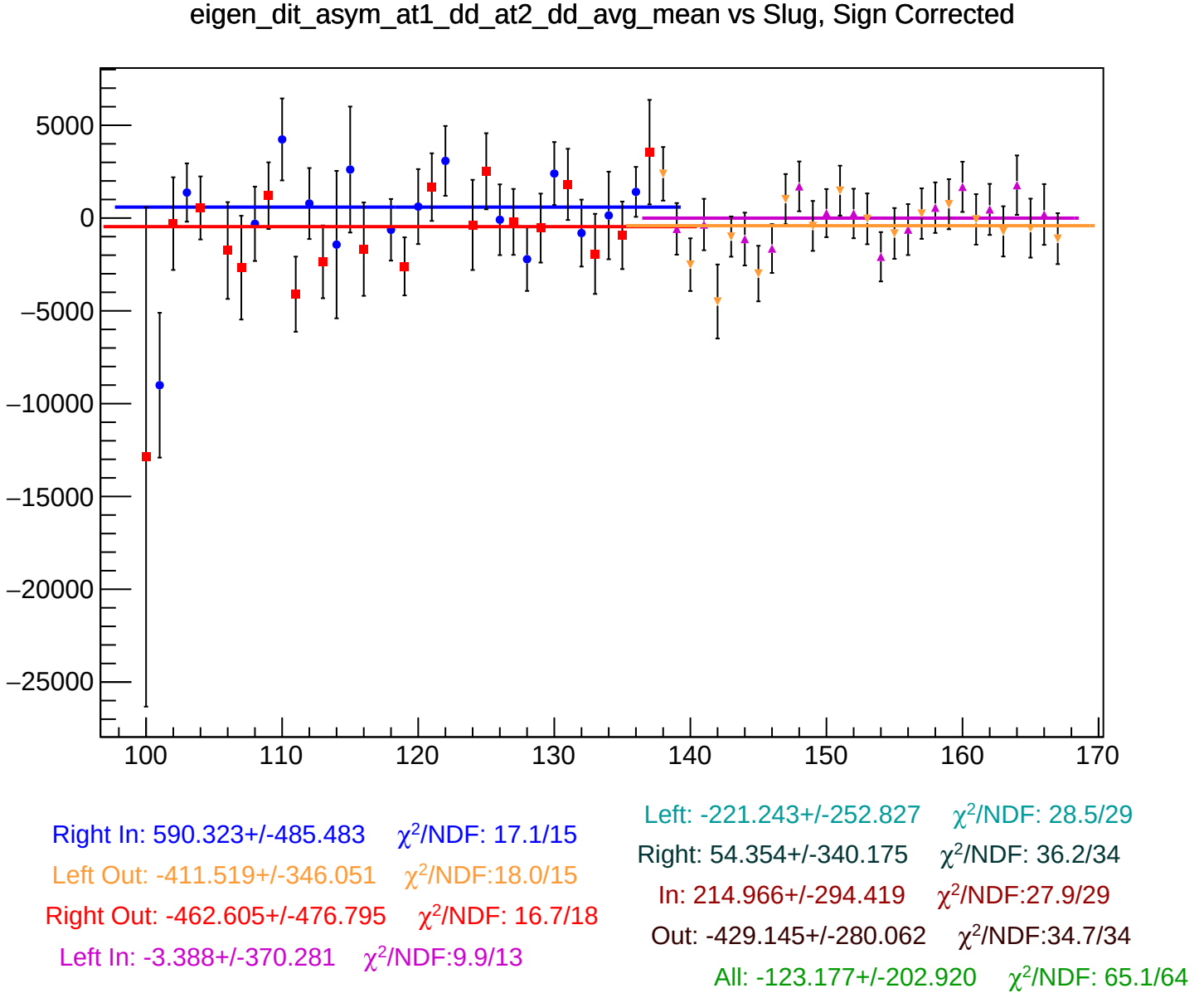
Left: 659.454+/-0.096 χ^2/NDF: 1372279.2/29

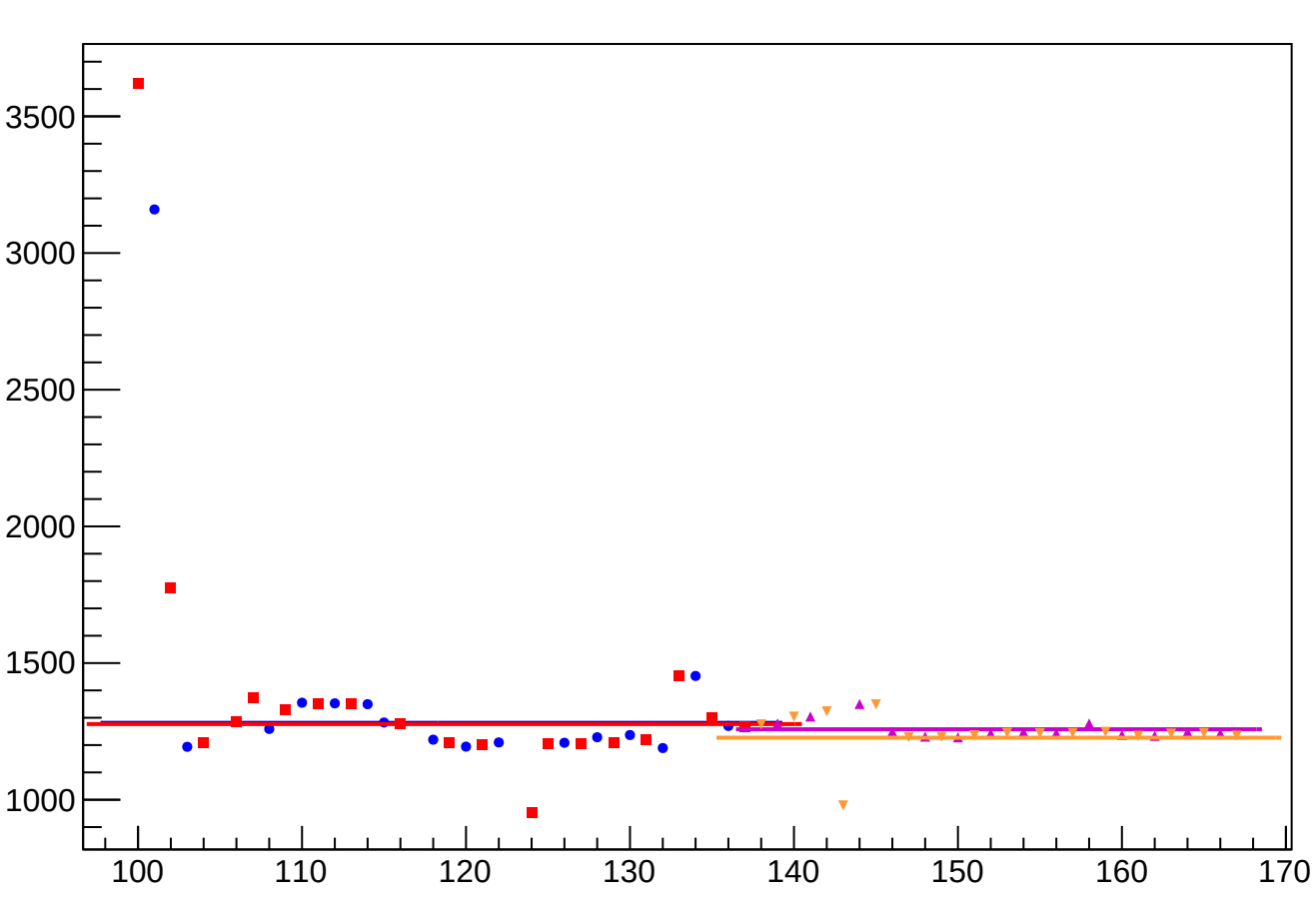
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 730.209+/-0.125 χ^2/NDF:3198020.4/29

Out: 738.424+/-0.124 χ^2/NDF:4734130.4/34

All: 734.333+/-0.088 χ^2/NDF: 7934320.2/64


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -411.519+/-346.051 χ²/NDF:18.0/15
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -3.388+/-370.281 χ²/NDF:9.9/13
Left: -221.243+/-252.827 χ²/NDF: 28.5/29
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 214.966+/-294.419 χ²/NDF:27.9/29
Out: -429.145+/-280.062 χ²/NDF:34.7/34
All: -123.177+/-202.920 χ²/NDF: 65.1/64



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.989+/-0.245 χ^2/NDF:132788.2/15

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1257.869+/-0.262 χ^2/NDF:15483.0/13

Left: 1241.385+/-0.179 χ^2/NDF: 155696.2/29

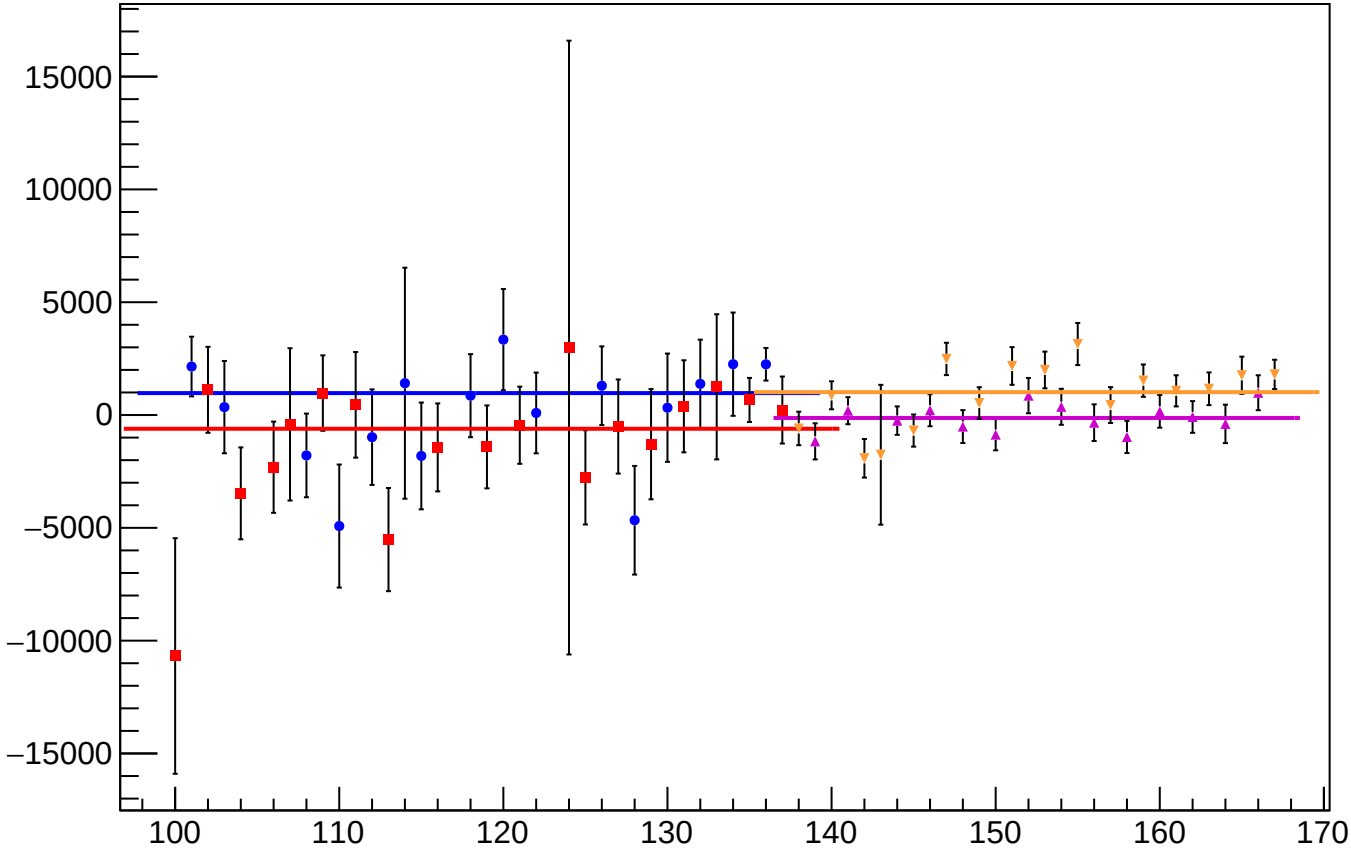
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1266.512+/-0.208 χ^2/NDF:525524.3/29

Out: 1244.195+/-0.198 χ^2/NDF:367633.5/34

All: 1254.796+/-0.143 χ^2/NDF: 899190.0/64

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 1013.967+/-191.416 χ^2/NDF:39.7/15

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -130.262+/-194.288 χ^2/NDF:9.4/13

Left: 450.370+/-136.356 χ^2/NDF: 66.8/29

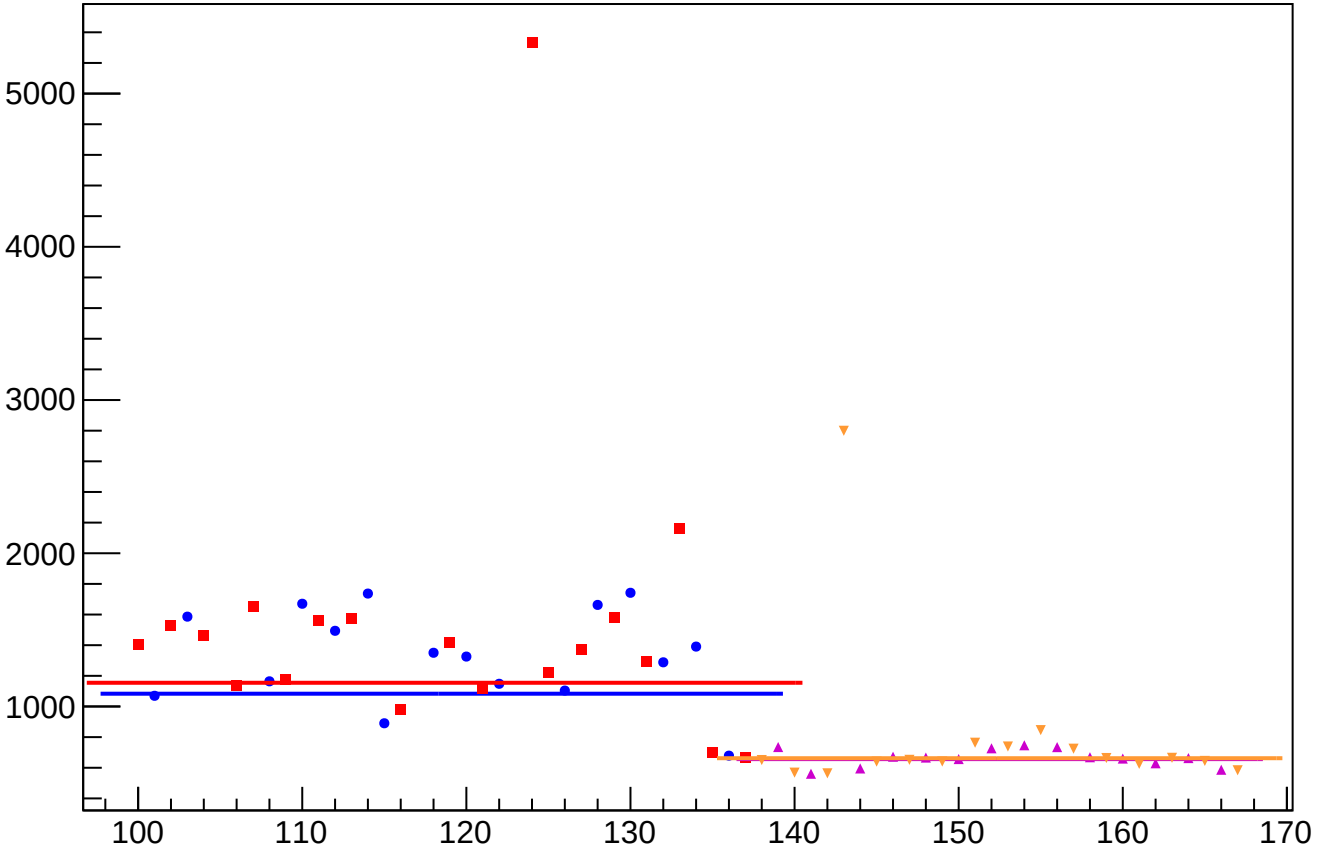
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 60.159+/-176.715 χ^2/NDF:35.5/29

Out: 763.257+/-176.006 χ^2/NDF:68.0/34

All: 413.121+/-124.705 χ^2/NDF: 111.4/64

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 662.335+/-0.135 χ^2/NDF:1200760.3/15

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 656.487+/-0.137 χ^2/NDF:170598.3/13

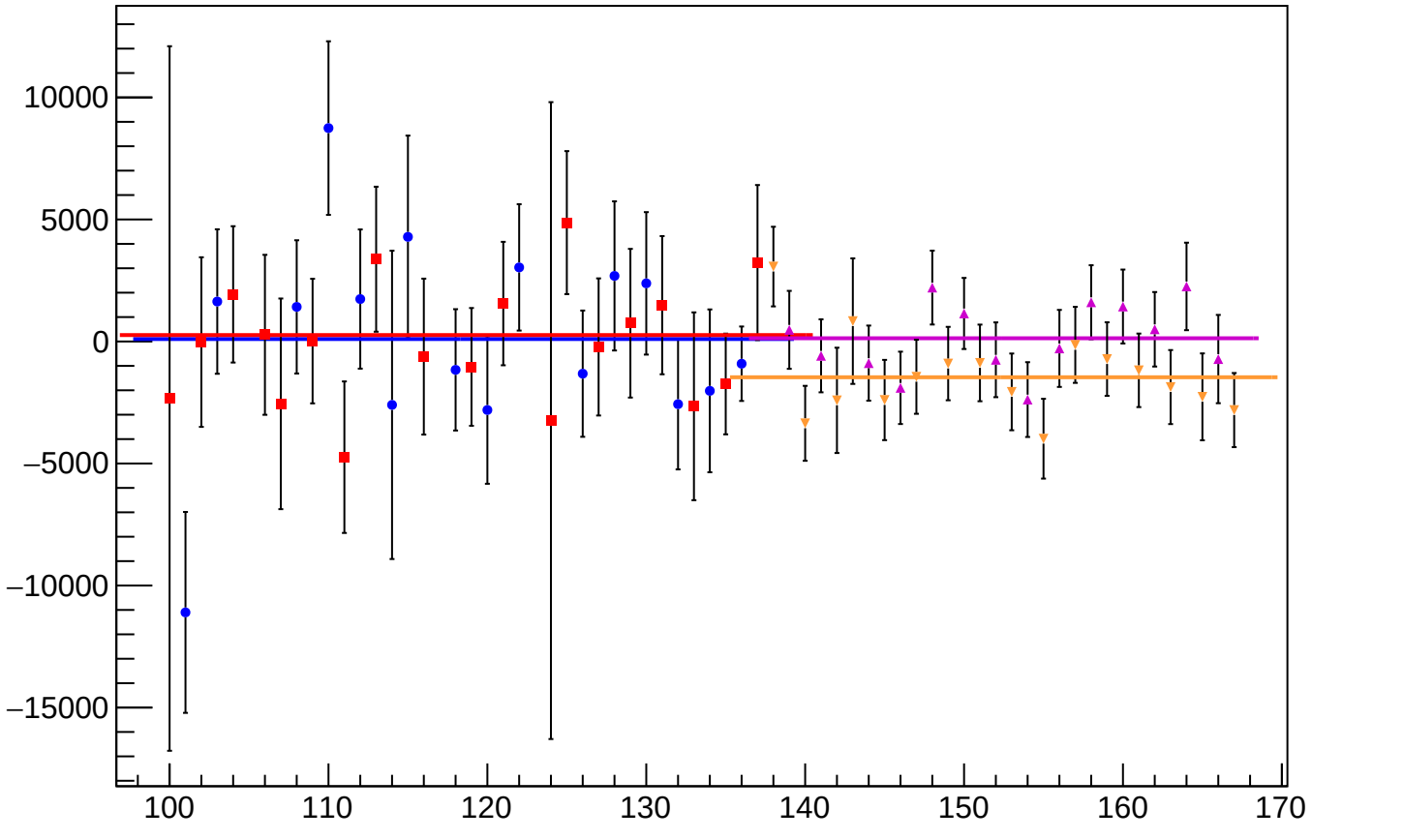
Left: 659.454+/-0.096 χ^2/NDF: 1372277.9/29

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 730.209+/-0.125 χ^2/NDF:3198009.9/29

Out: 738.425+/-0.124 χ^2/NDF:4734114.7/34

All: 734.334+/-0.088 χ^2/NDF: 7934294.5/64



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1465.663+/-405.730 χ^2/NDF:15.4/15

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 131.750+/-415.433 χ^2/NDF:11.4/13

Left: -685.828+/-290.264 χ^2/NDF: 34.4/29

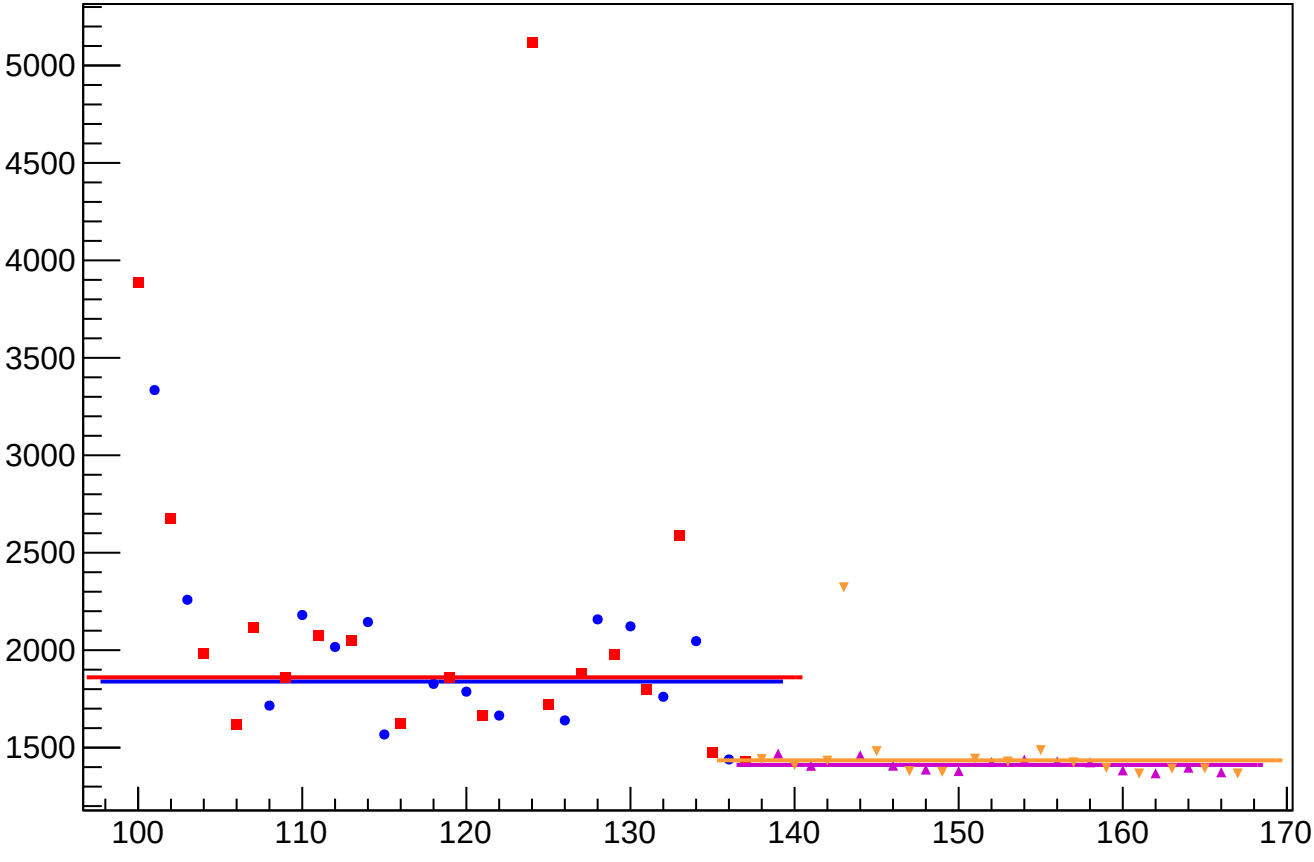
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 123.580+/-357.119 χ^2/NDF:32.7/29

Out: -1030.766+/-350.993 χ^2/NDF:30.3/34

All: -463.579+/-250.328 χ^2/NDF: 68.3/64

asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1434.806+/-0.287 χ^2/NDF:260489.2/15

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1411.277+/-0.294 χ^2/NDF:10630.6/13

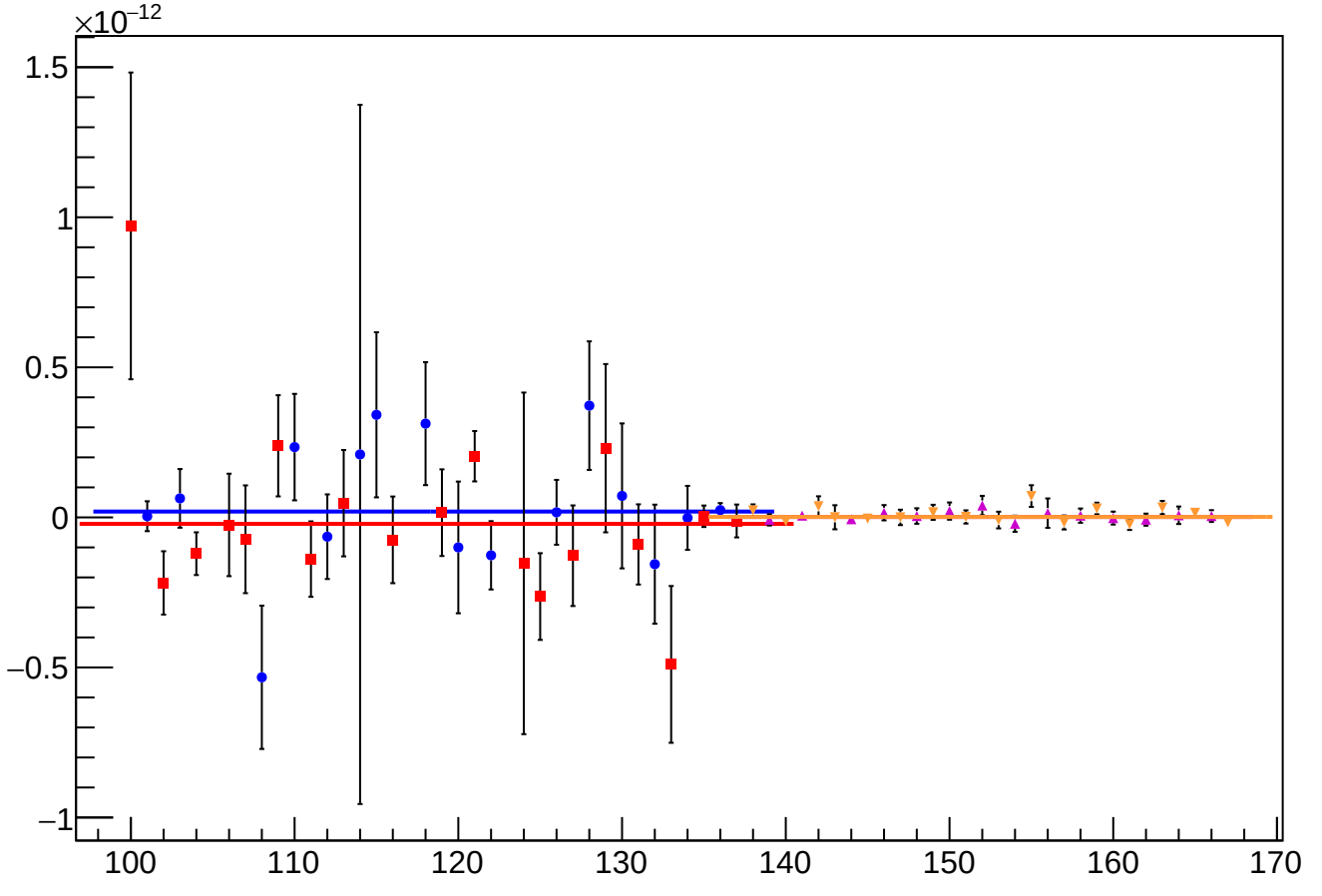
Left: 1423.319+/-0.205 χ^2/NDF: 274403.2/29

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1522.957+/-0.253 χ^2/NDF:1121060.1/29

Out: 1541.984+/-0.248 χ^2/NDF:1337254.6/34

All: 1532.635+/-0.177 χ^2/NDF: 2461202.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/13

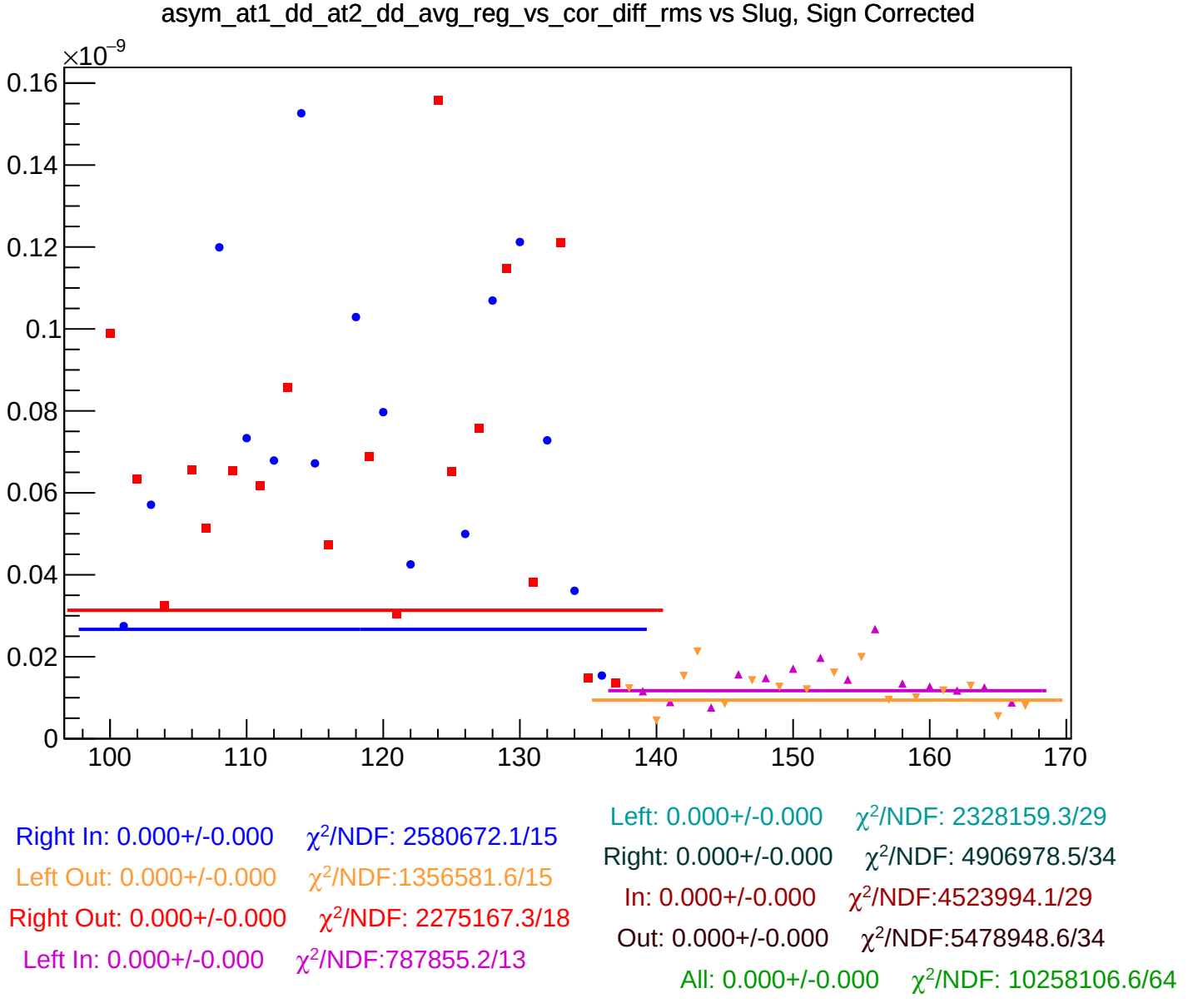
Left: 0.000+/-0.000 χ^2/NDF: 21.0/29

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

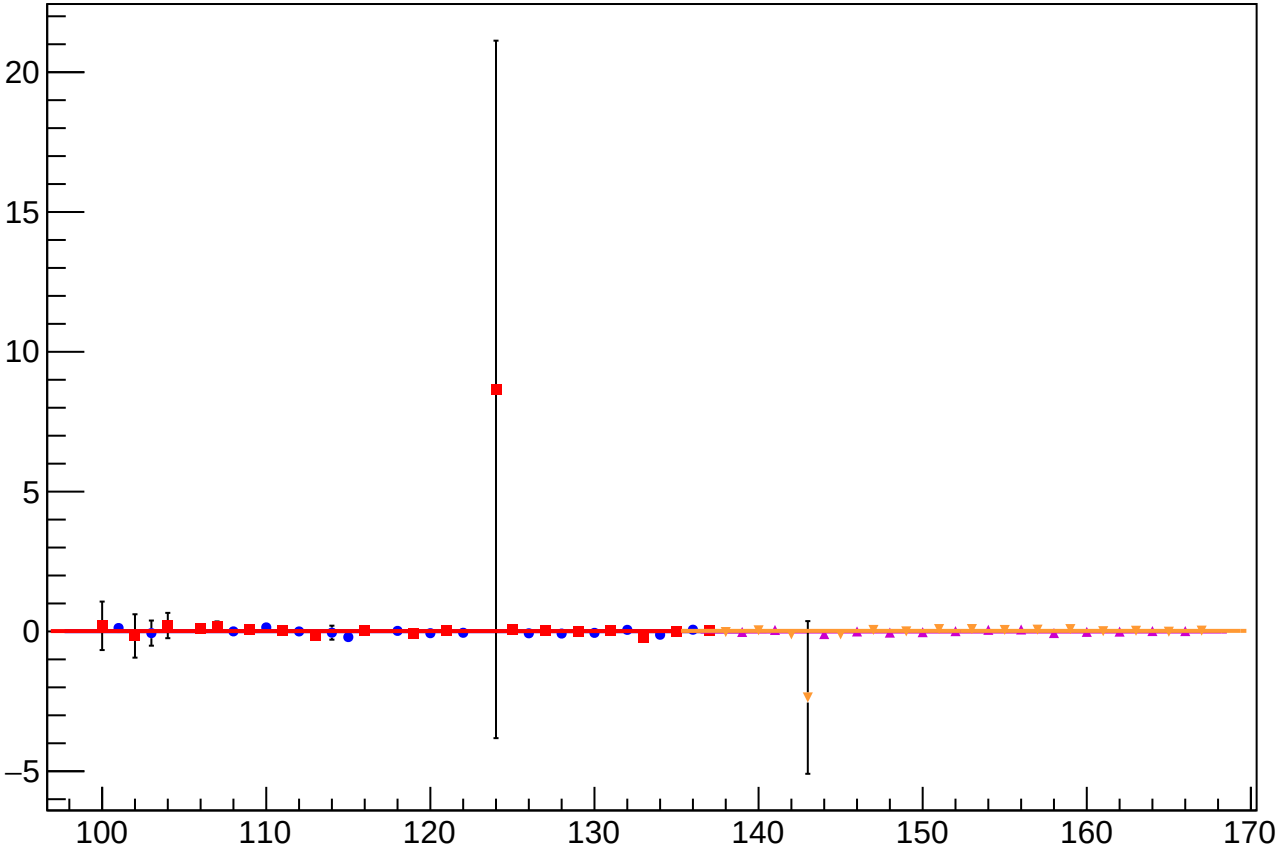
In: 0.000+/-0.000 χ^2/NDF:21.2/29

Out: 0.000+/-0.000 χ^2/NDF:46.3/34

All: 0.000+/-0.000 χ^2/NDF: 67.6/64


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1356581.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:787855.2/13
Left: 0.000+/-0.000 χ²/NDF: 2328159.3/29
Right: 0.000+/-0.000 χ²/NDF: 4906978.5/34
In: 0.000+/-0.000 χ²/NDF:4523994.1/29
Out: 0.000+/-0.000 χ²/NDF:5478948.6/34
All: 0.000+/-0.000 χ²/NDF: 10258106.6/64

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/29

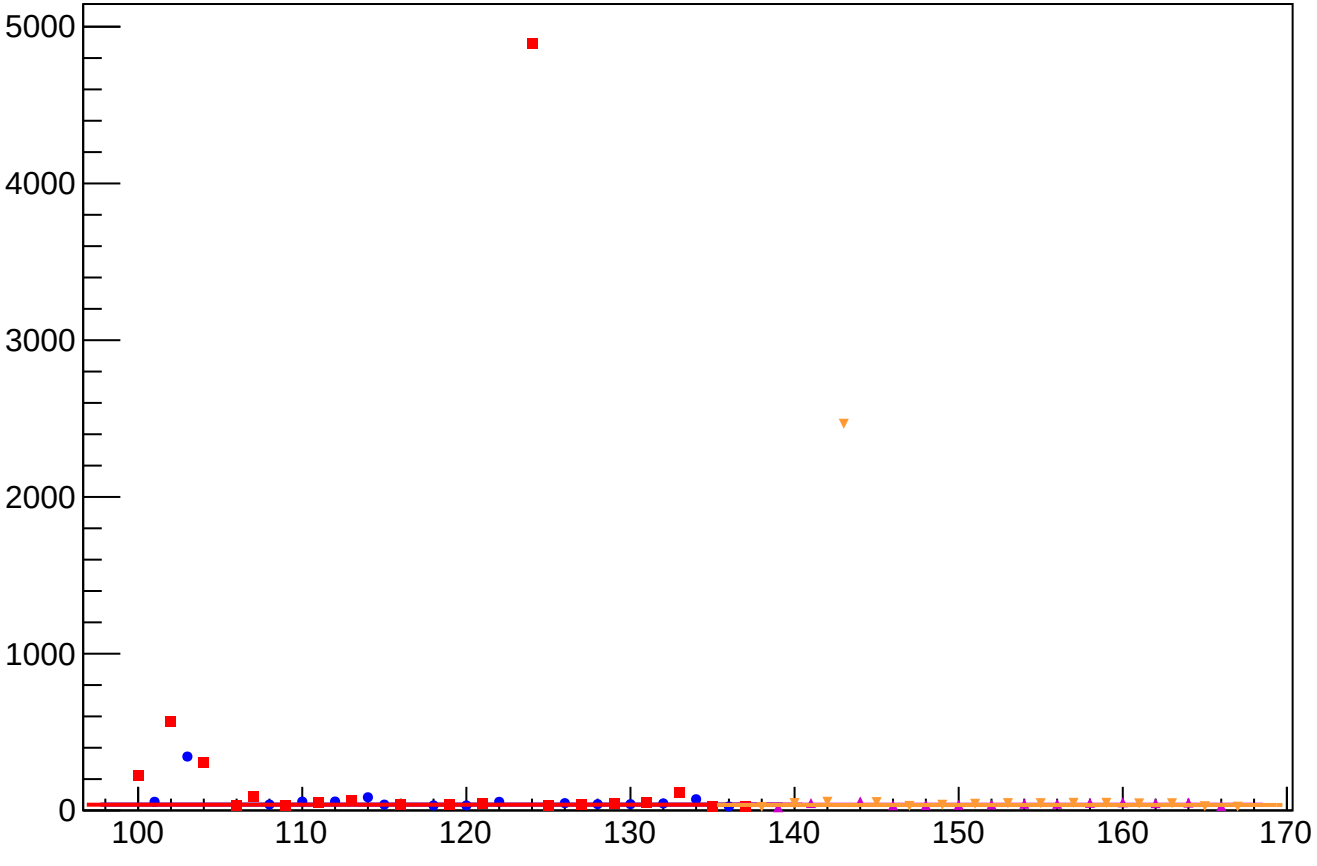
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.009+/-0.007 χ^2/NDF: 61.0/64

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 35.065+/-0.008 χ^2/NDF:3479952.0/15

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.652+/-0.008 χ^2/NDF:1574049.5/13

Left: 35.815+/-0.006 χ^2/NDF: 5072658.3/29

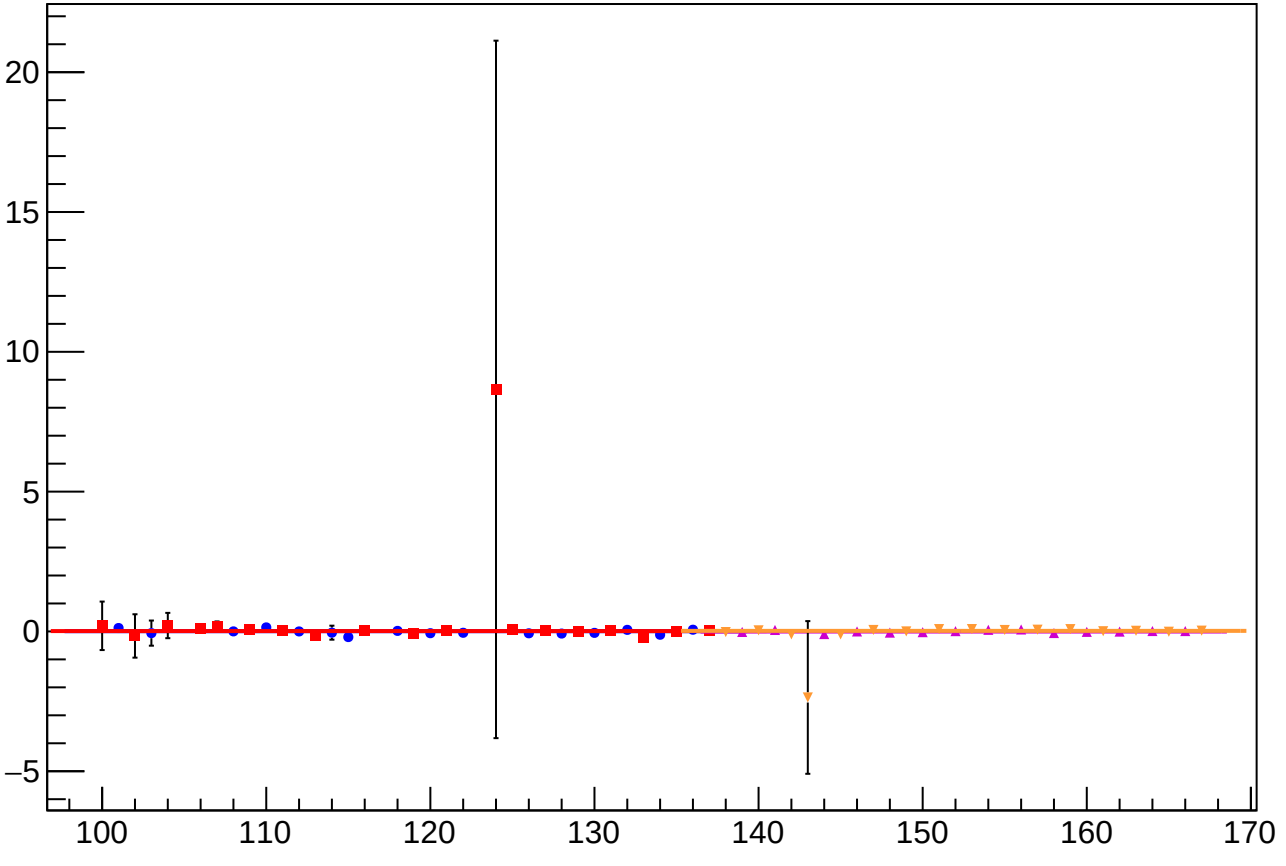
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.951+/-0.007 χ^2/NDF:3560868.2/29

Out: 35.603+/-0.007 χ^2/NDF:6685005.7/34

All: 36.260+/-0.005 χ^2/NDF: 10266163.8/64

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/29

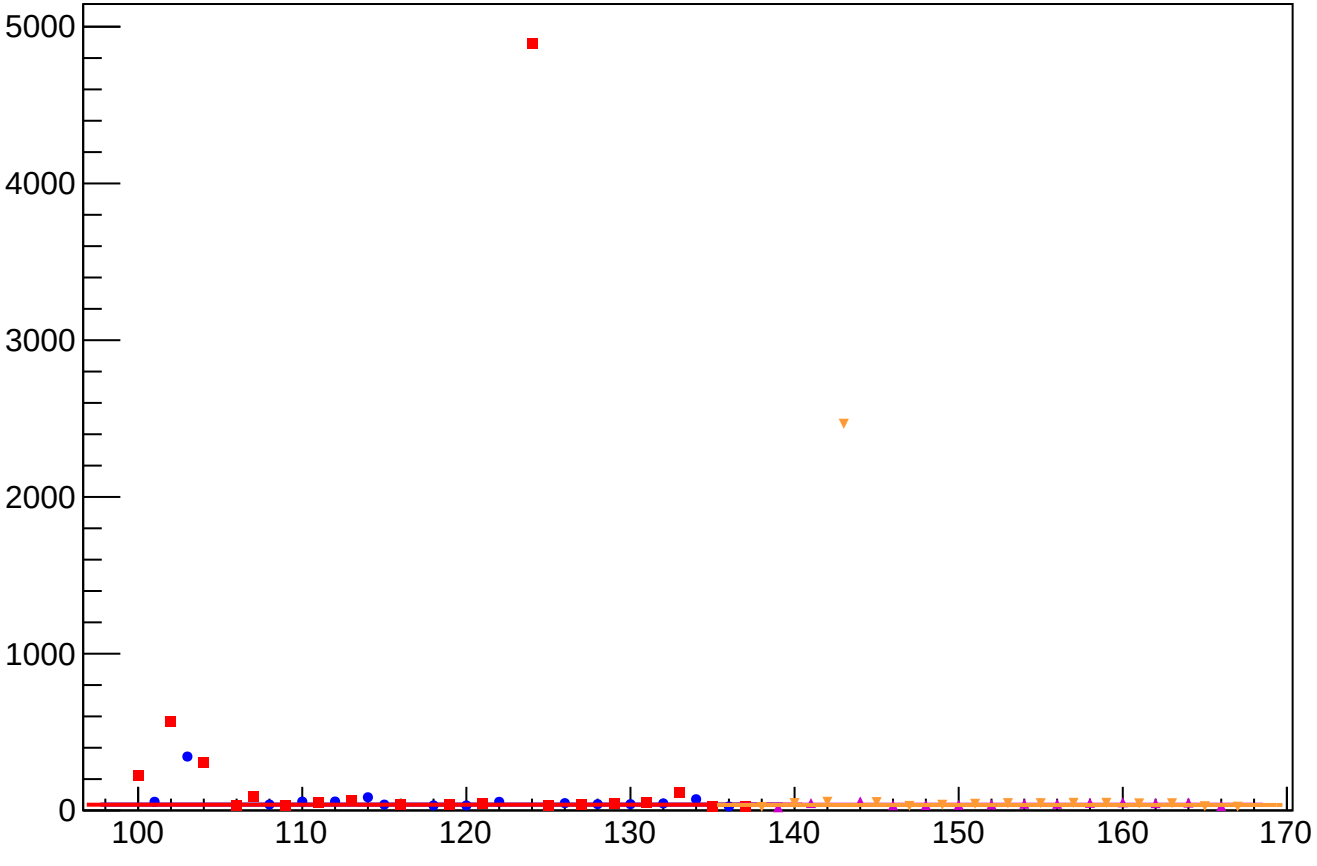
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.009+/-0.007 χ^2/NDF: 61.0/64

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 35.065+/-0.008 χ^2/NDF:3479952.0/15

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.652+/-0.008 χ^2/NDF:1574049.5/13

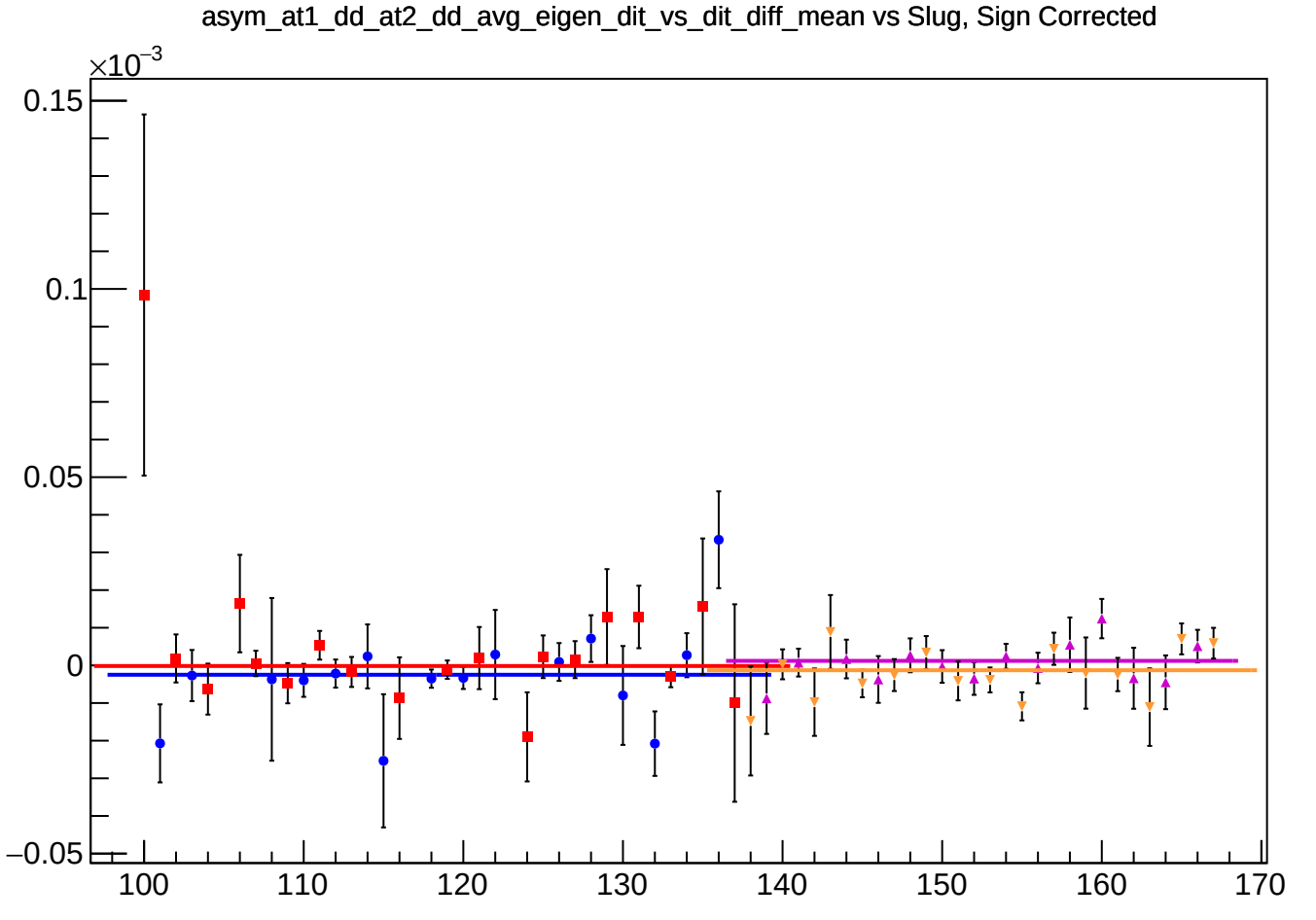
Left: 35.815+/-0.006 χ^2/NDF: 5072658.3/29

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.951+/-0.007 χ^2/NDF:3560868.2/29

Out: 35.603+/-0.007 χ^2/NDF:6685005.7/34

All: 36.260+/-0.005 χ^2/NDF: 10266163.8/64



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/13

Left: -0.000+/-0.000 χ^2/NDF: 34.9/29

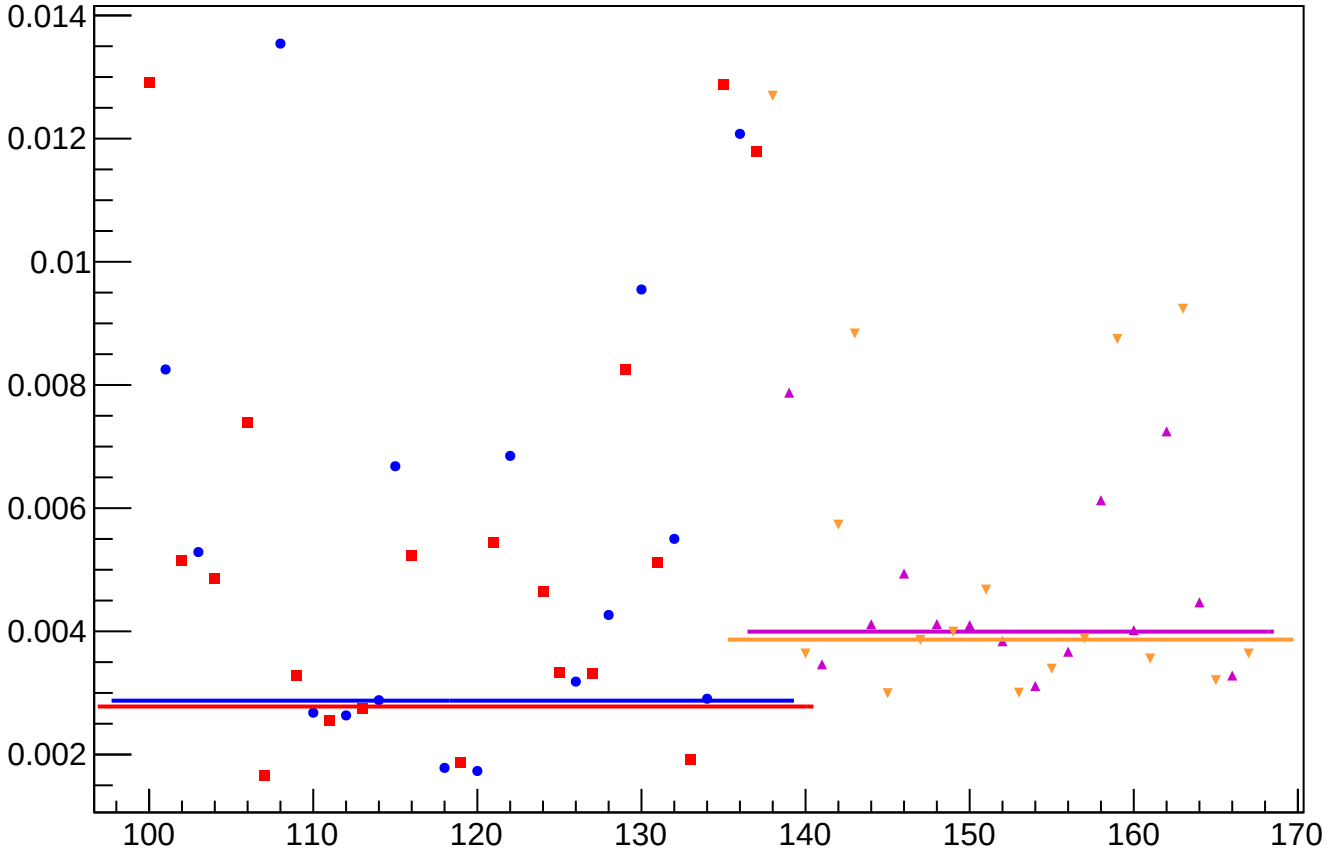
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:36.2/29

Out: -0.000+/-0.000 χ^2/NDF:41.9/34

All: -0.000+/-0.000 χ^2/NDF: 78.1/64

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2824920.6/15

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1143354.4/13

Left: 0.004+/-0.000 χ^2/NDF: 3979211.4/29

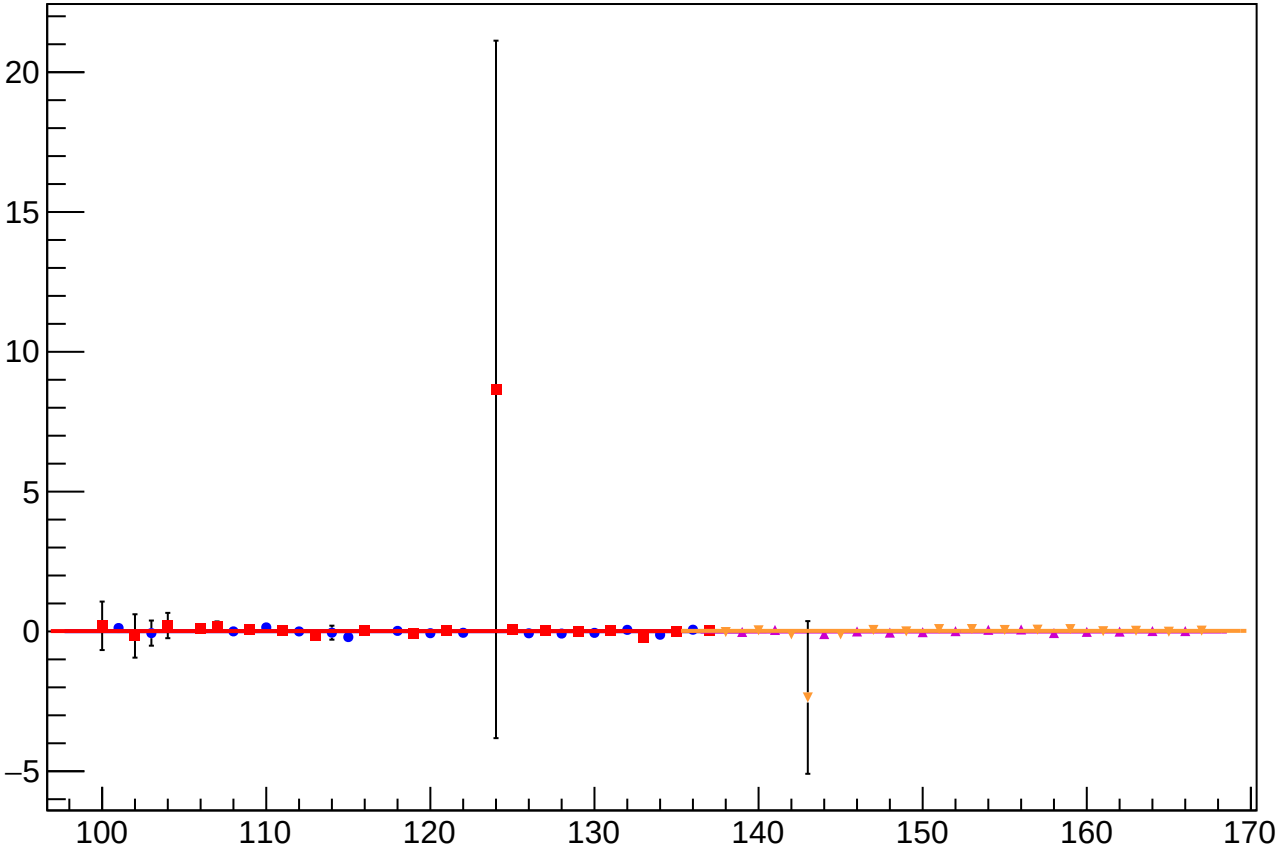
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:6040730.1/29

Out: 0.003+/-0.000 χ^2/NDF:6989242.5/34

All: 0.003+/-0.000 χ^2/NDF: 13048989.2/64

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/29

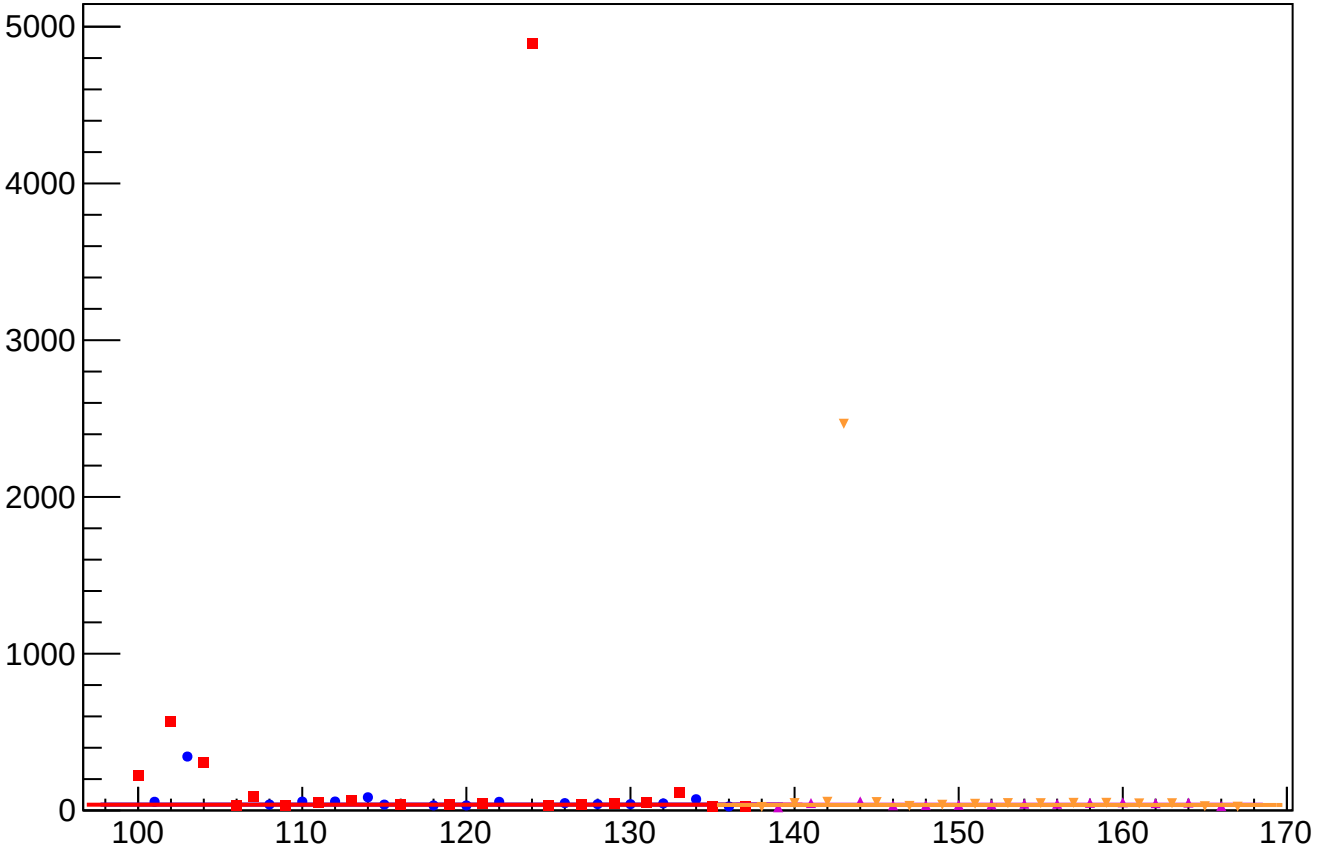
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.009+/-0.007 χ^2/NDF: 61.0/64

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.063+/-0.008 χ^2/NDF:3480090.1/15

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.654+/-0.008 χ^2/NDF:1572840.7/13

Left: 35.816+/-0.006 χ^2/NDF: 5071676.2/29

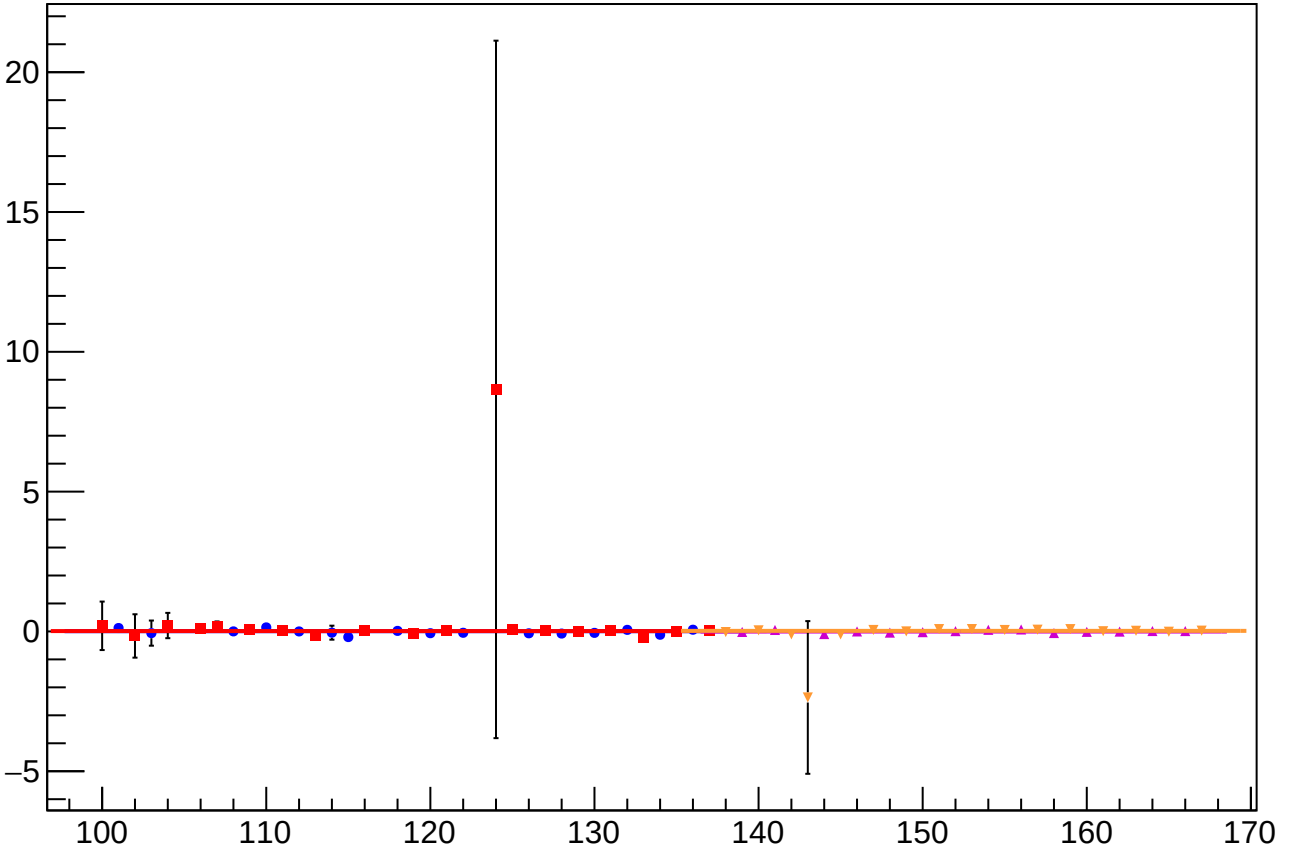
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.953+/-0.007 χ^2/NDF:3559572.8/29

Out: 35.603+/-0.007 χ^2/NDF:6684892.5/34

All: 36.261+/-0.005 χ^2/NDF: 10264820.8/64

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/29

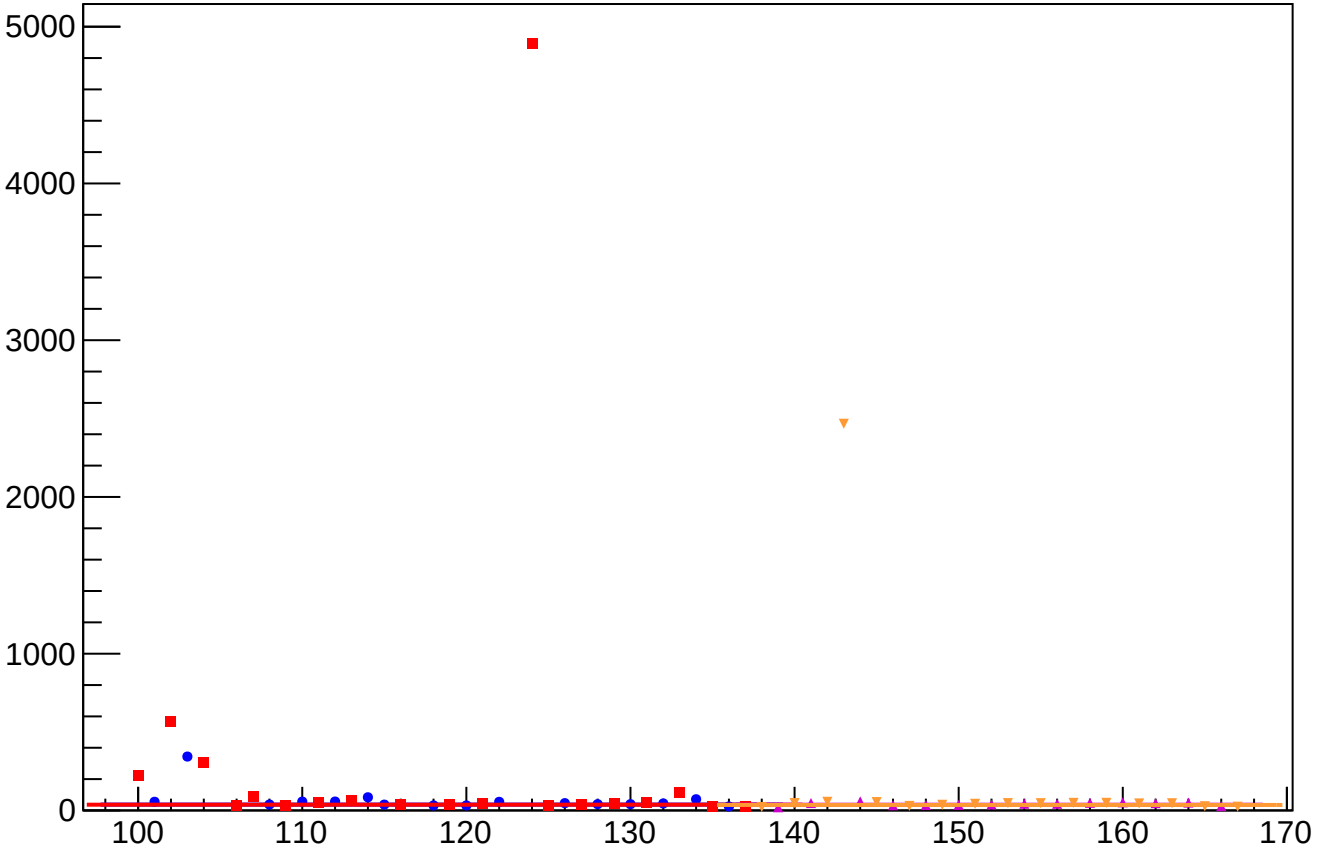
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.009+/-0.007 χ^2/NDF: 61.0/64

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.063+/-0.008 χ^2/NDF:3480090.1/15

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.654+/-0.008 χ^2/NDF:1572840.7/13

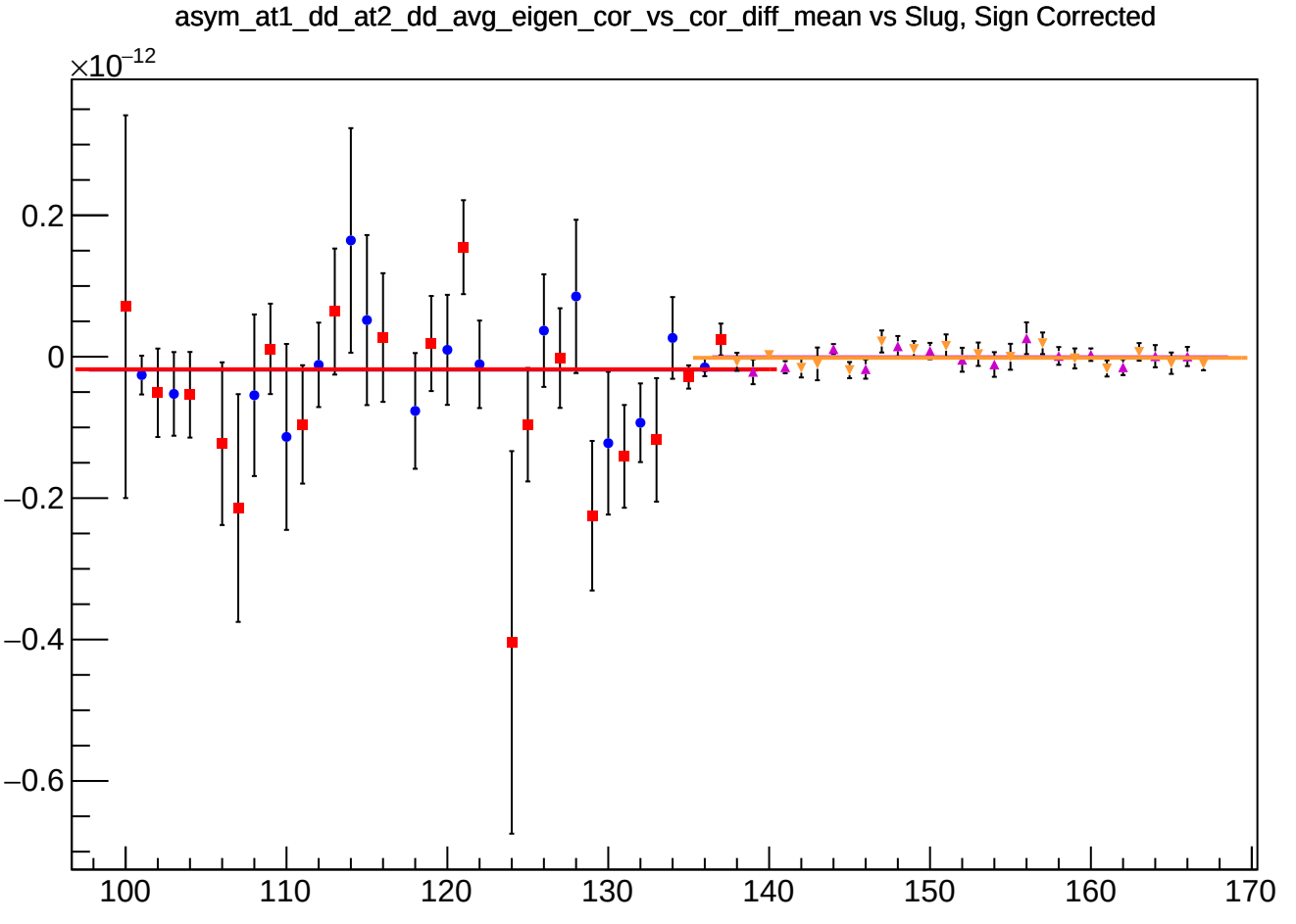
Left: 35.816+/-0.006 χ^2/NDF: 5071676.2/29

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.953+/-0.007 χ^2/NDF:3559572.8/29

Out: 35.603+/-0.007 χ^2/NDF:6684892.5/34

All: 36.261+/-0.005 χ^2/NDF: 10264820.8/64



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/13

Left: -0.000+/-0.000 χ^2/NDF: 27.3/29

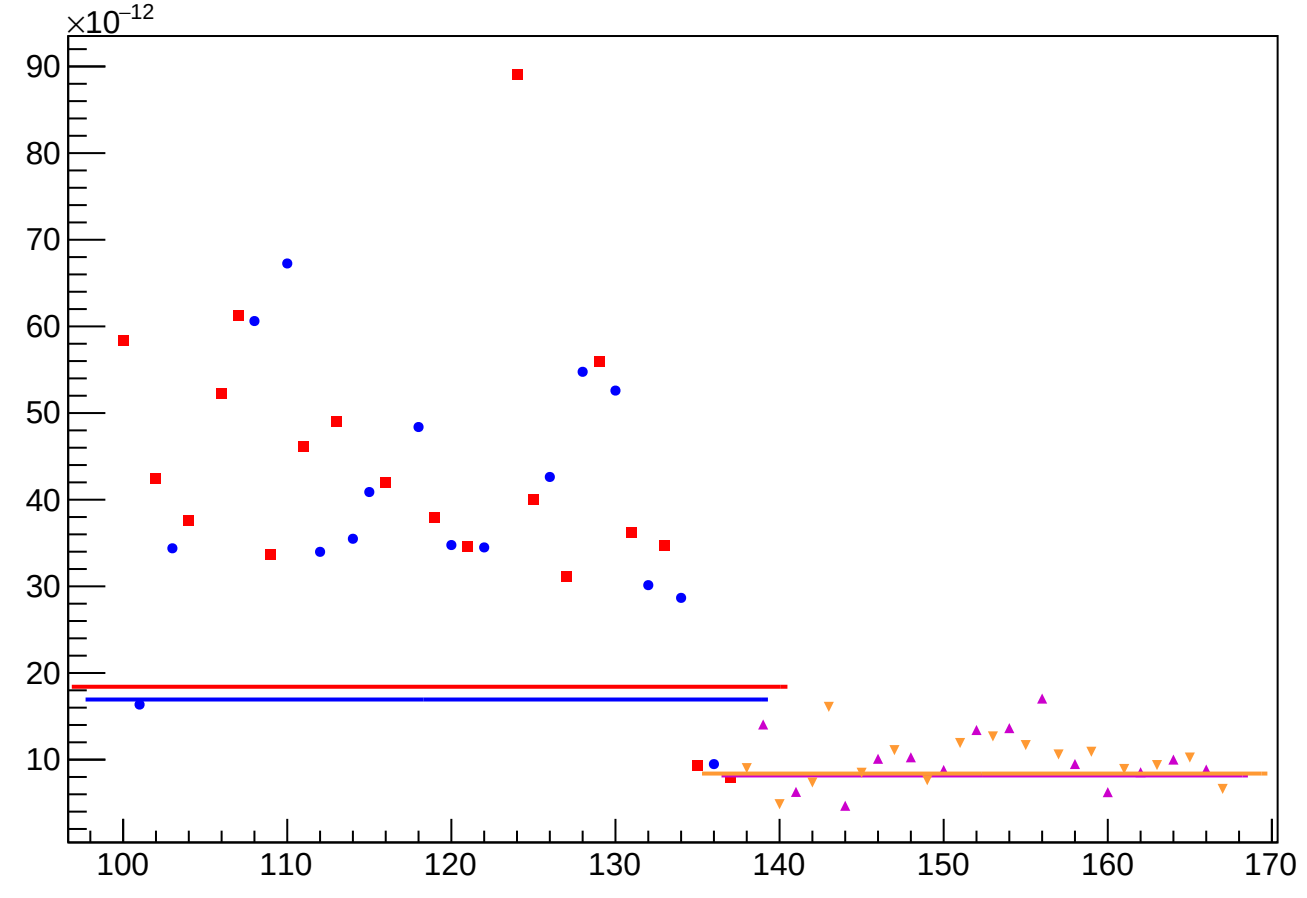
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.7/29

Out: -0.000+/-0.000 χ^2/NDF:42.9/34

All: -0.000+/-0.000 χ^2/NDF: 67.7/64

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1369910.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1756412.5/13

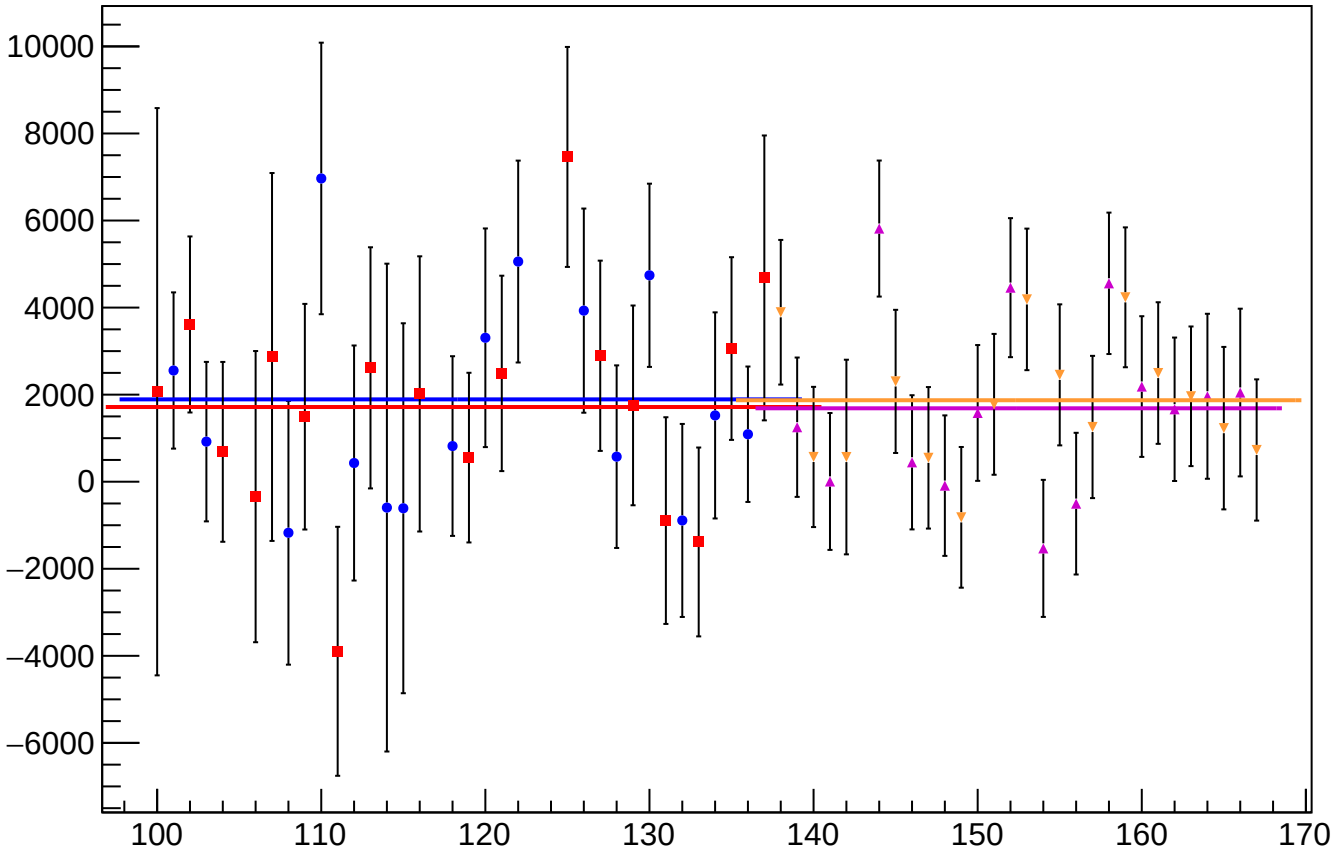
Left: 0.000+/-0.000 χ^2/NDF: 3131246.0/29

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6382655.2/29

Out: 0.000+/-0.000 χ^2/NDF:6568273.0/34

All: 0.000+/-0.000 χ^2/NDF: 12953019.5/64



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1871.591+/-429.699 χ^2/NDF:11.2/14

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1686.456+/-435.548 χ^2/NDF:22.3/13

Left: 1780.275+/-305.890 χ^2/NDF: 33.6/28

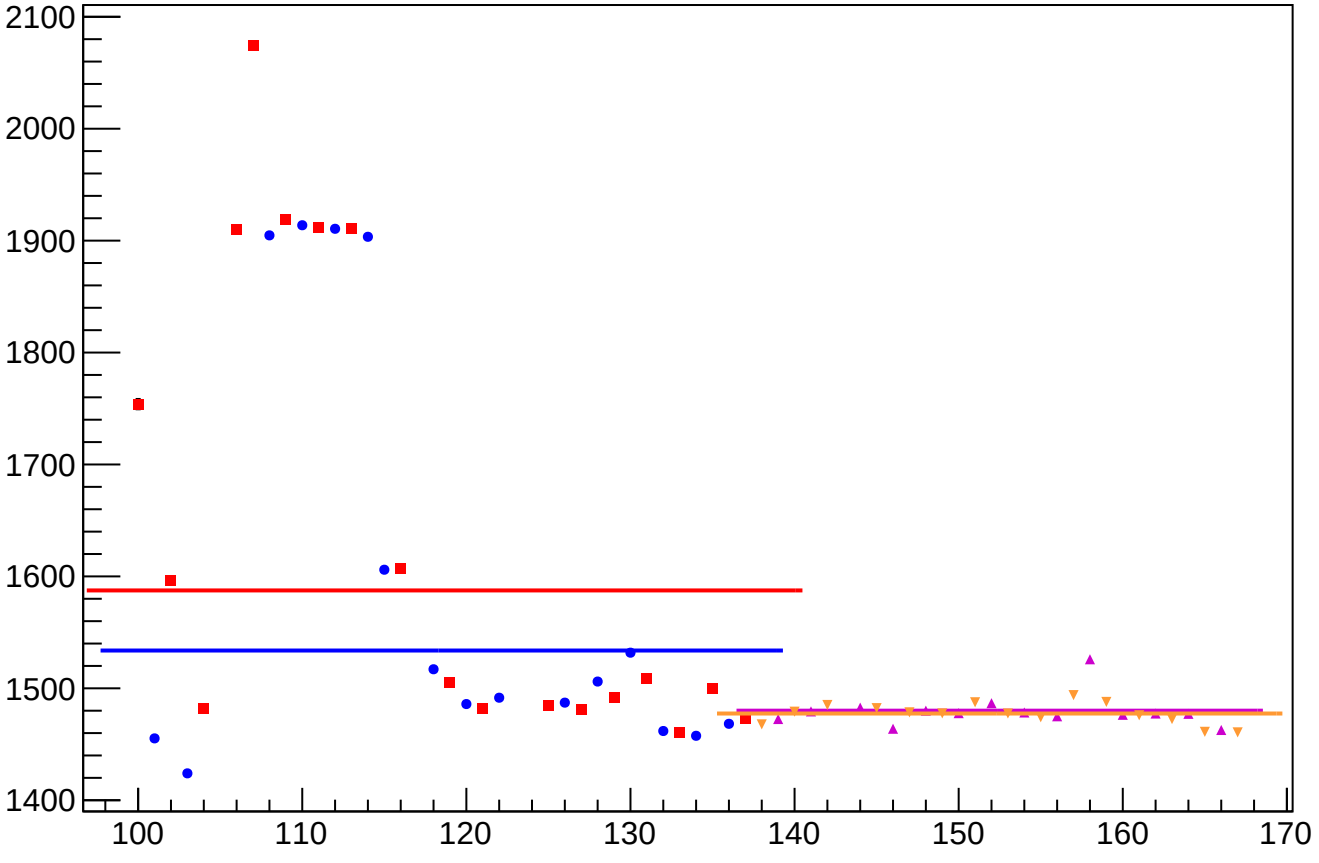
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1761.653+/-346.579 χ^2/NDF:34.6/29

Out: 1817.576+/-347.244 χ^2/NDF:27.2/32

All: 1789.561+/-245.303 χ^2/NDF: 61.9/62

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1477.482+/-0.304 χ^2/NDF:872.8/14

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1480.023+/-0.308 χ^2/NDF:2108.3/13

Left: 1478.735+/-0.216 χ^2/NDF: 3015.6/28

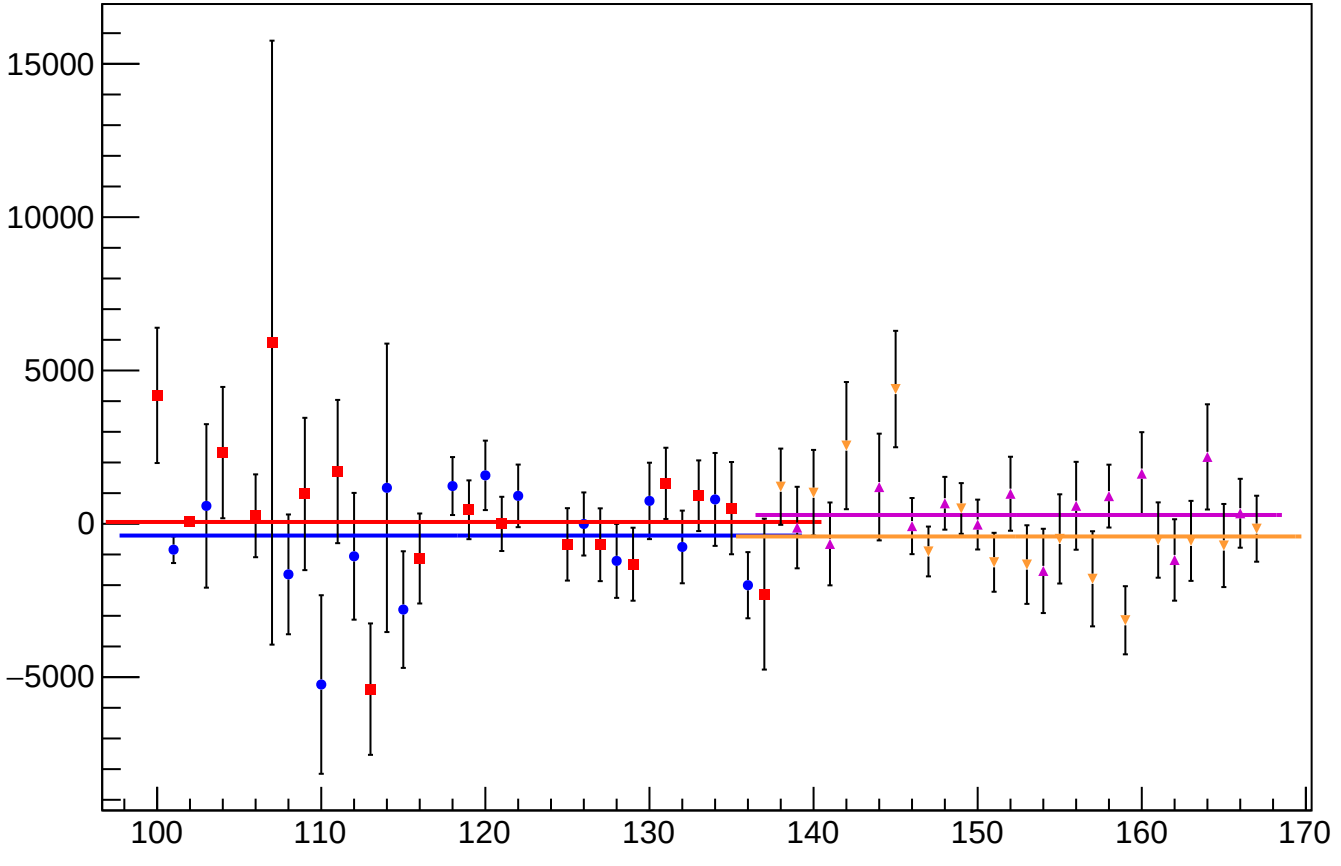
Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1499.738+/-0.245 χ^2/NDF:142551.5/29

Out: 1515.640+/-0.246 χ^2/NDF:218318.1/32

All: 1507.674+/-0.173 χ^2/NDF: 362970.7/62

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -412.614+/-305.757 χ^2/NDF:21.0/14

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 287.982+/-310.043 χ^2/NDF:7.3/13

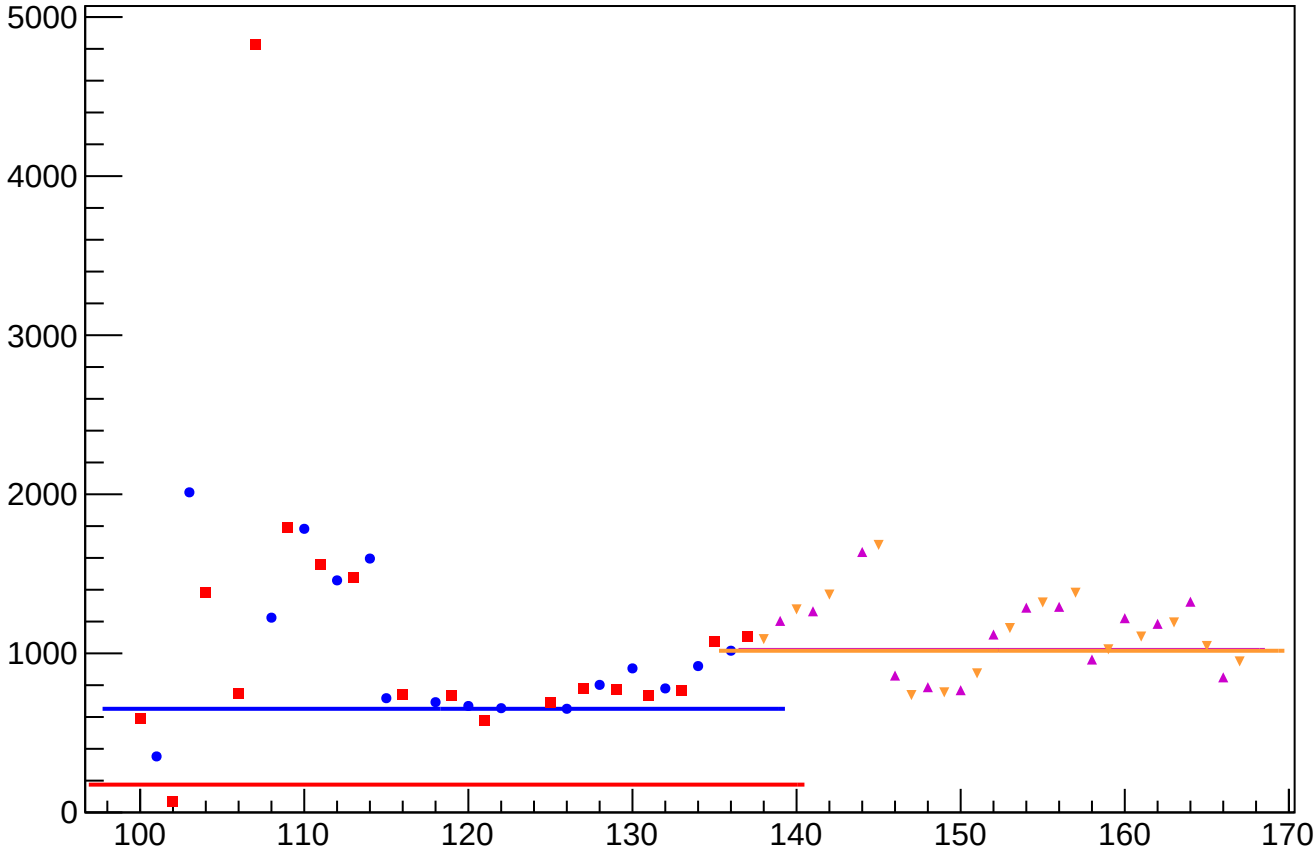
Left: -67.192+/-217.702 χ^2/NDF: 30.9/28

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -90.805+/-204.557 χ^2/NDF:28.1/29

Out: -10.221+/-117.836 χ^2/NDF:40.8/32

All: -30.299+/-102.106 χ^2/NDF: 69.1/62



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1016.421+/-0.216 χ^2/NDF:1137969.2/14

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1021.593+/-0.219 χ^2/NDF:1106321.0/13

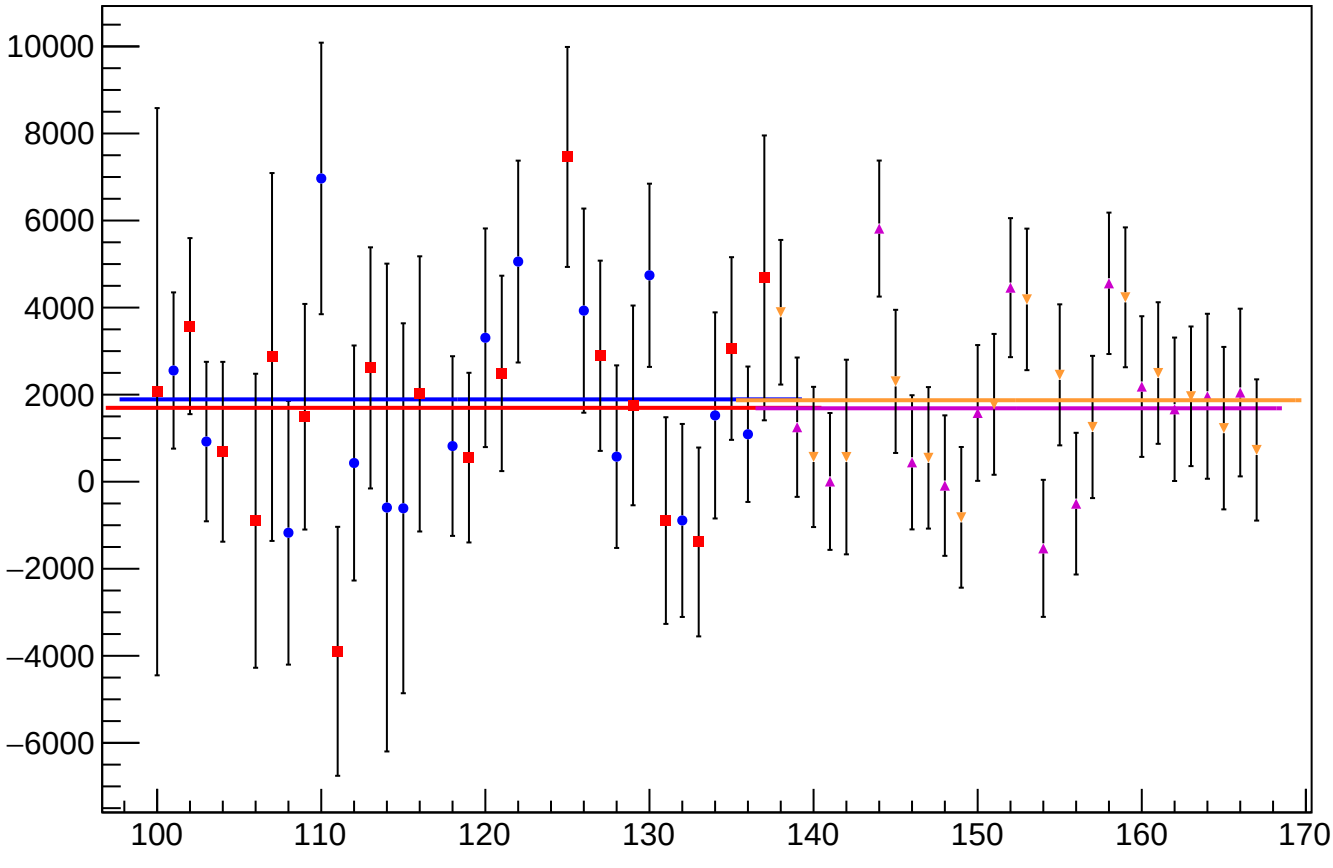
Left: 1018.971+/-0.154 χ^2/NDF: 2244572.4/28

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 812.613+/-0.145 χ^2/NDF:5478052.8/29

Out: 299.887+/-0.083 χ^2/NDF:23798911.8/32

All: 427.637+/-0.072 χ^2/NDF: 38711520.4/62



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1871.577+/-429.699 χ^2/NDF:11.2/14

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1686.569+/-435.548 χ^2/NDF:22.3/13

Left: 1780.324+/-305.890 χ^2/NDF: 33.6/28

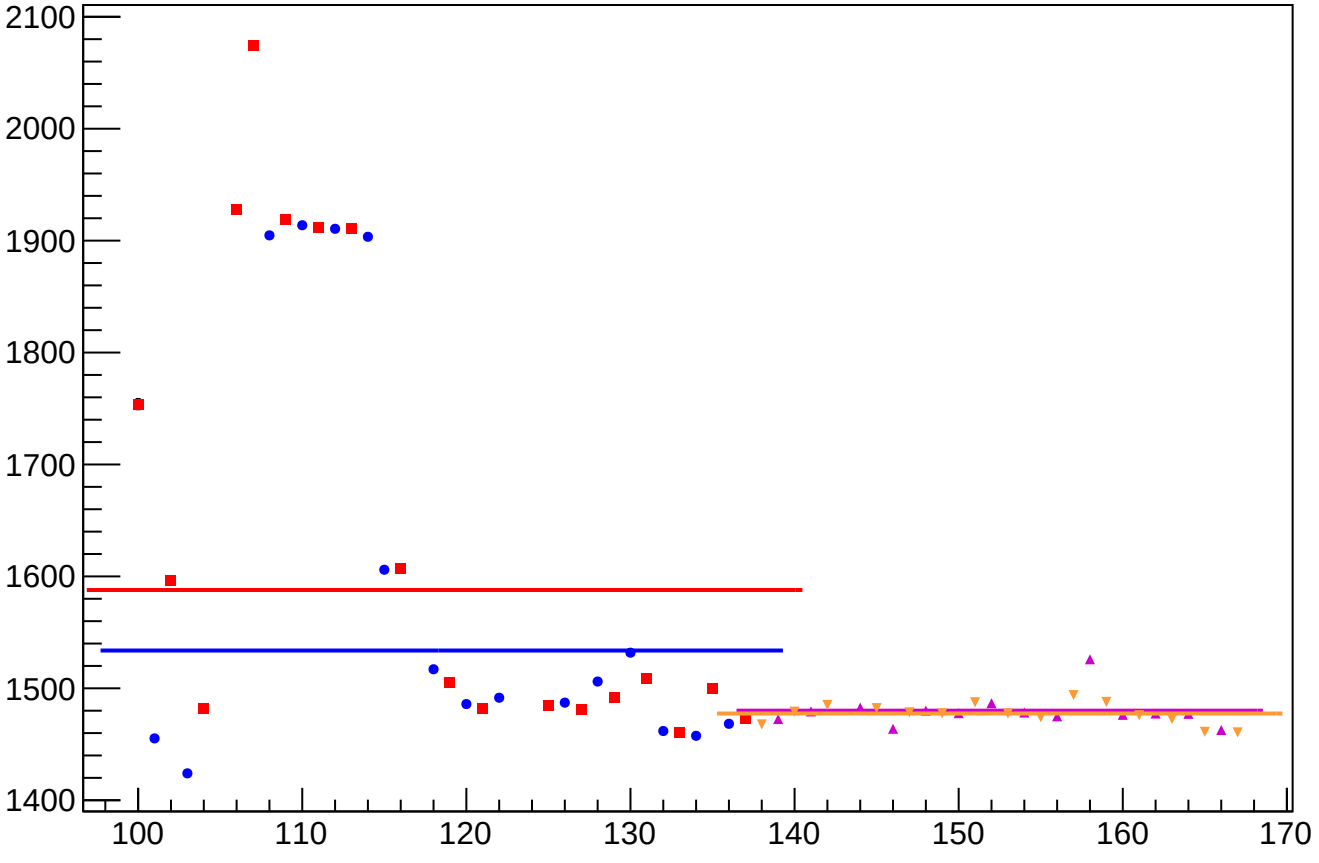
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1761.763+/-346.579 χ^2/NDF:34.6/29

Out: 1811.026+/-347.281 χ^2/NDF:27.4/32

All: 1786.345+/-245.316 χ^2/NDF: 62.1/62

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.482+/-0.304 χ^2/NDF:872.8/14

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.023+/-0.308 χ^2/NDF:2108.3/13

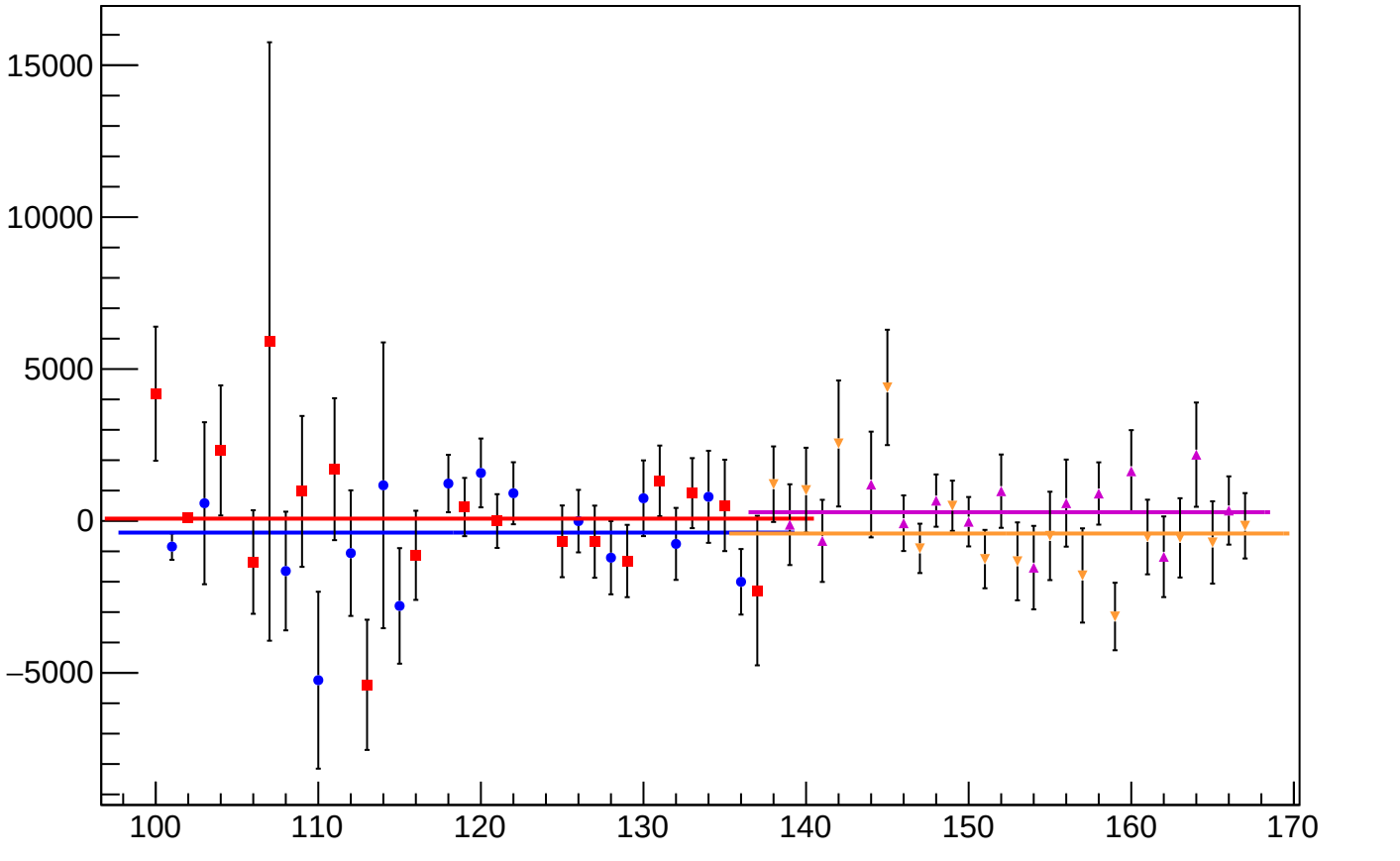
Left: 1478.735+/-0.216 χ^2/NDF: 3015.6/28

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1499.738+/-0.245 χ^2/NDF:142551.4/29

Out: 1515.758+/-0.246 χ^2/NDF:220397.1/32

All: 1507.732+/-0.173 χ^2/NDF: 365080.7/62



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -412.614+/-305.757 χ^2/NDF:21.0/14

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 288.083+/-310.043 χ^2/NDF:7.3/13

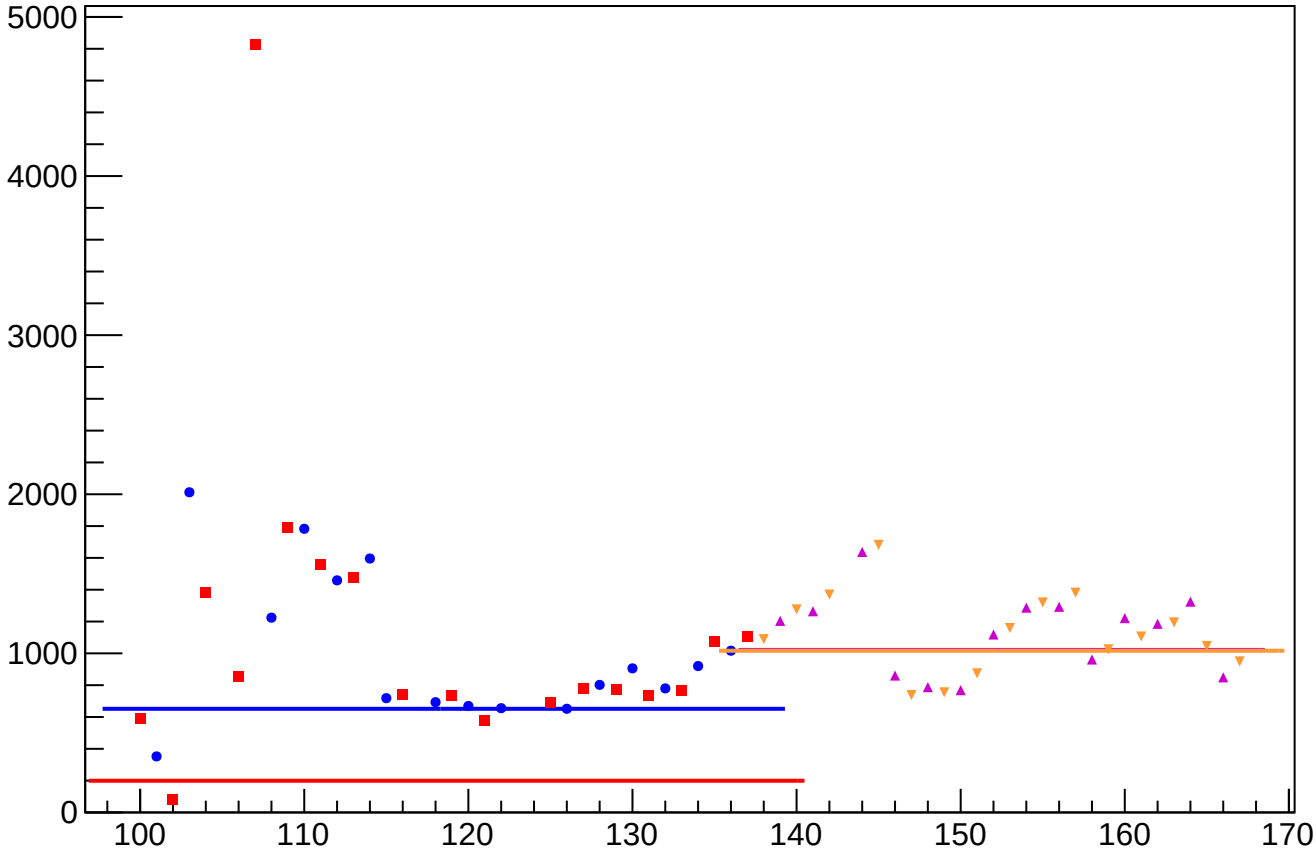
Left: -67.141+/-217.703 χ^2/NDF: 30.9/28

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -90.746+/-204.557 χ^2/NDF:28.1/29

Out: -6.200+/-125.886 χ^2/NDF:41.6/32

All: -29.424+/-107.211 χ^2/NDF: 69.9/62



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1016.423+/-0.216 χ^2/NDF:1137980.6/14

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1021.592+/-0.219 χ^2/NDF:1106411.9/13

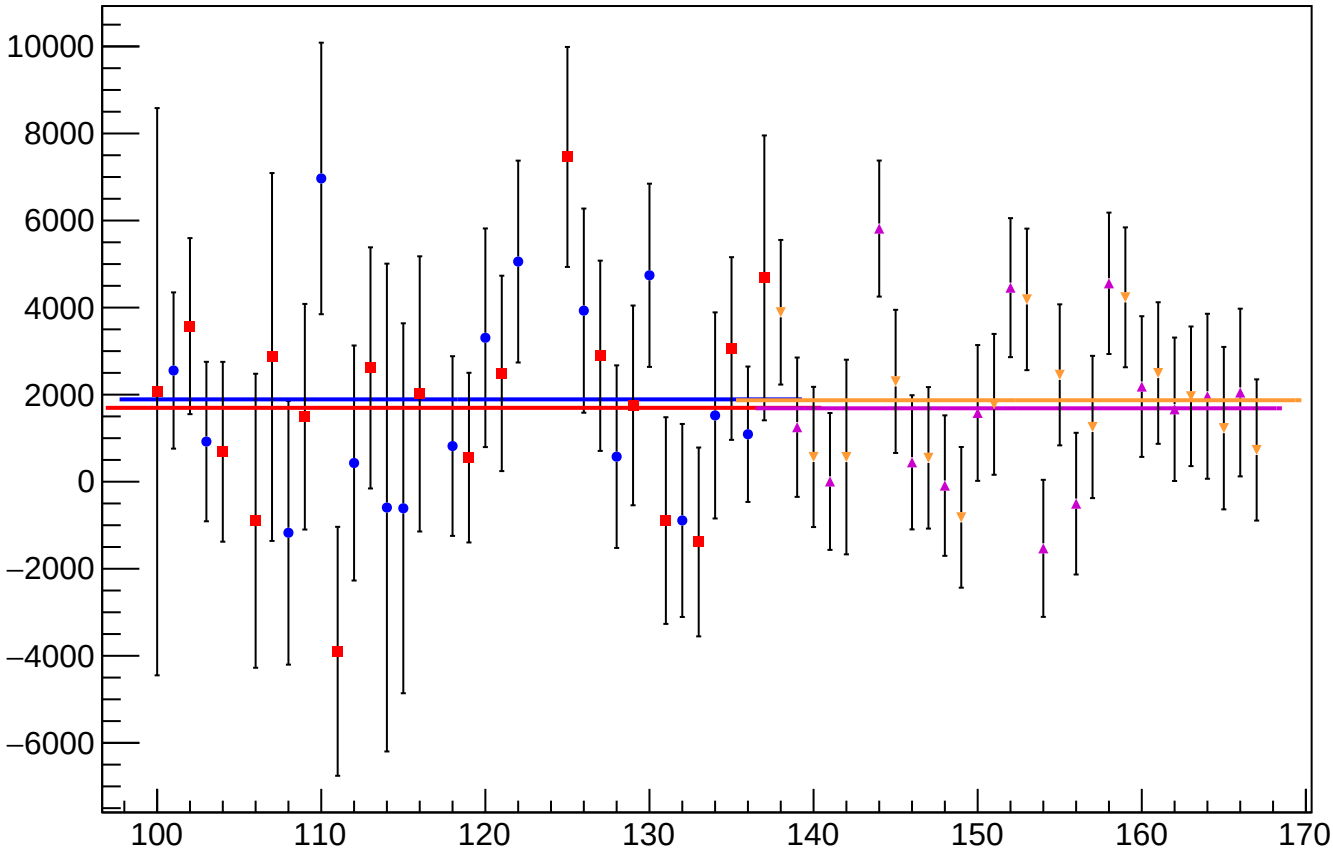
Left: 1018.971+/-0.154 χ^2/NDF: 2244674.3/28

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 812.611+/-0.145 χ^2/NDF:5478172.6/29

Out: 337.848+/-0.089 χ^2/NDF:22284223.7/32

All: 468.263+/-0.076 χ^2/NDF: 35576469.8/62



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1871.577+/-429.699 χ^2/NDF:11.2/14

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1686.569+/-435.548 χ^2/NDF:22.3/13

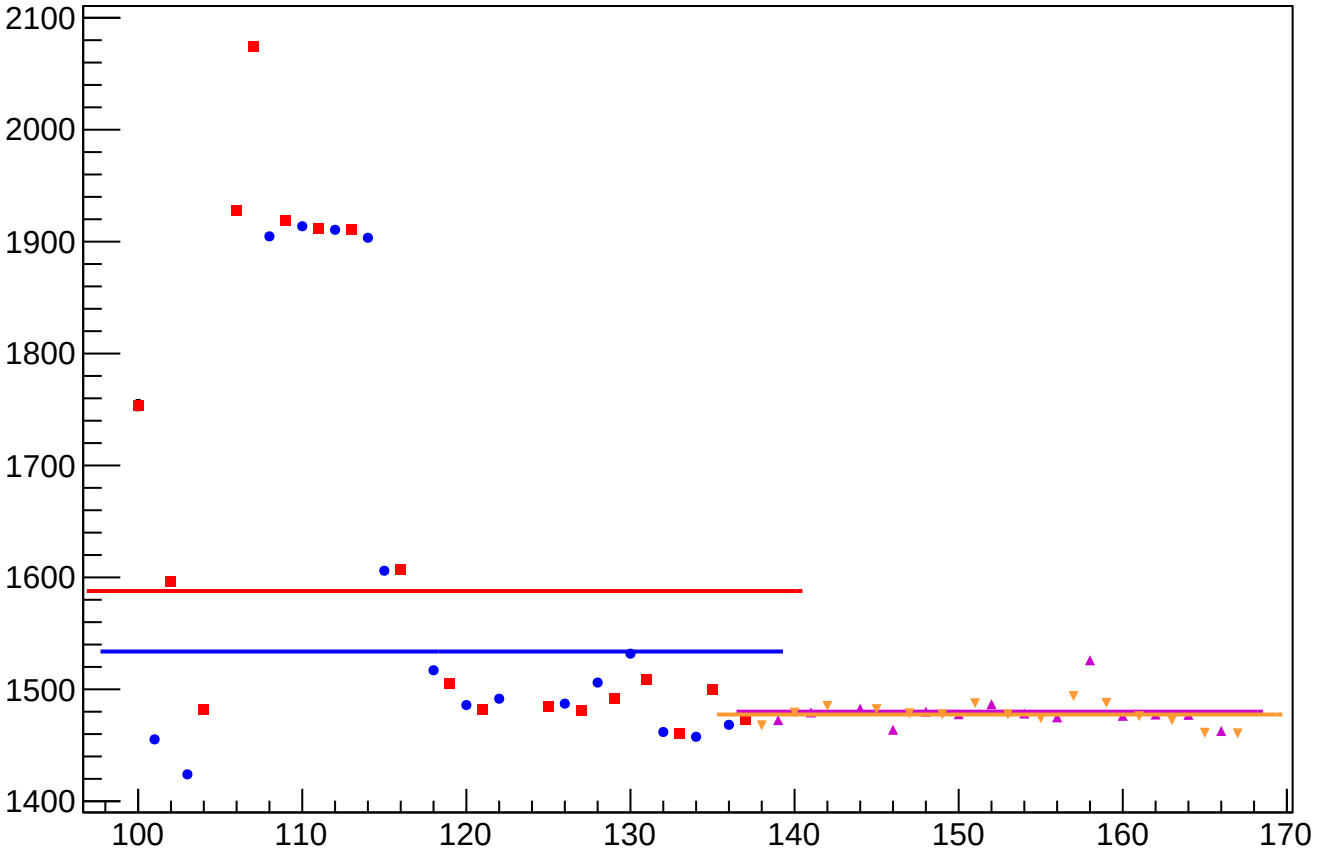
Left: 1780.324+/-305.890 χ^2/NDF: 33.6/28

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1761.763+/-346.579 χ^2/NDF:34.6/29

Out: 1811.026+/-347.281 χ^2/NDF:27.4/32

All: 1786.345+/-245.316 χ^2/NDF: 62.1/62



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.482+/-0.304 χ^2/NDF:872.8/14

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.023+/-0.308 χ^2/NDF:2108.3/13

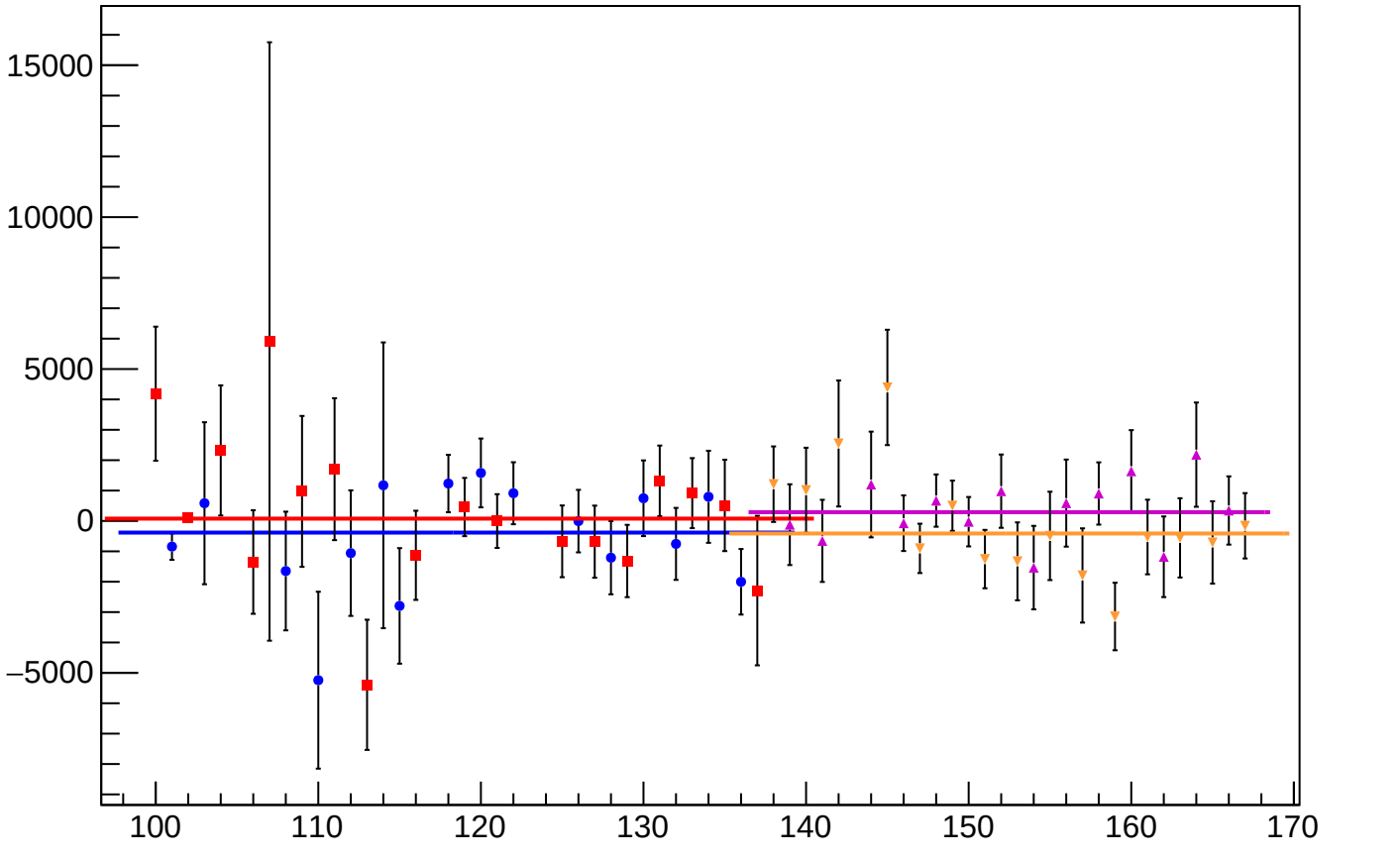
Left: 1478.735+/-0.216 χ^2/NDF: 3015.6/28

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1499.738+/-0.245 χ^2/NDF:142551.4/29

Out: 1515.758+/-0.246 χ^2/NDF:220397.1/32

All: 1507.732+/-0.173 χ^2/NDF: 365080.7/62



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -412.614+/-305.757 χ^2/NDF:21.0/14

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 288.083+/-310.043 χ^2/NDF:7.3/13

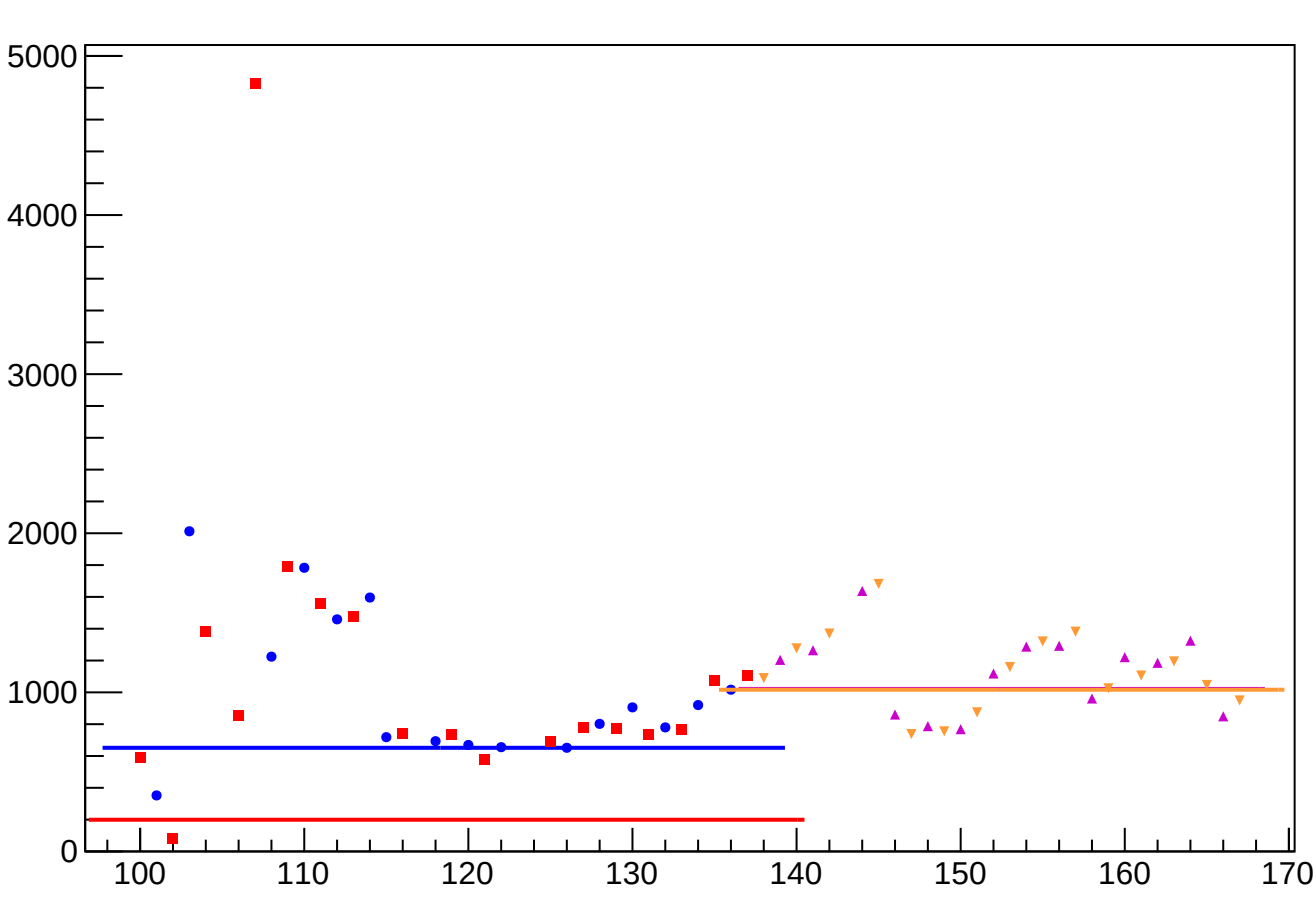
Left: -67.141+/-217.703 χ^2/NDF: 30.9/28

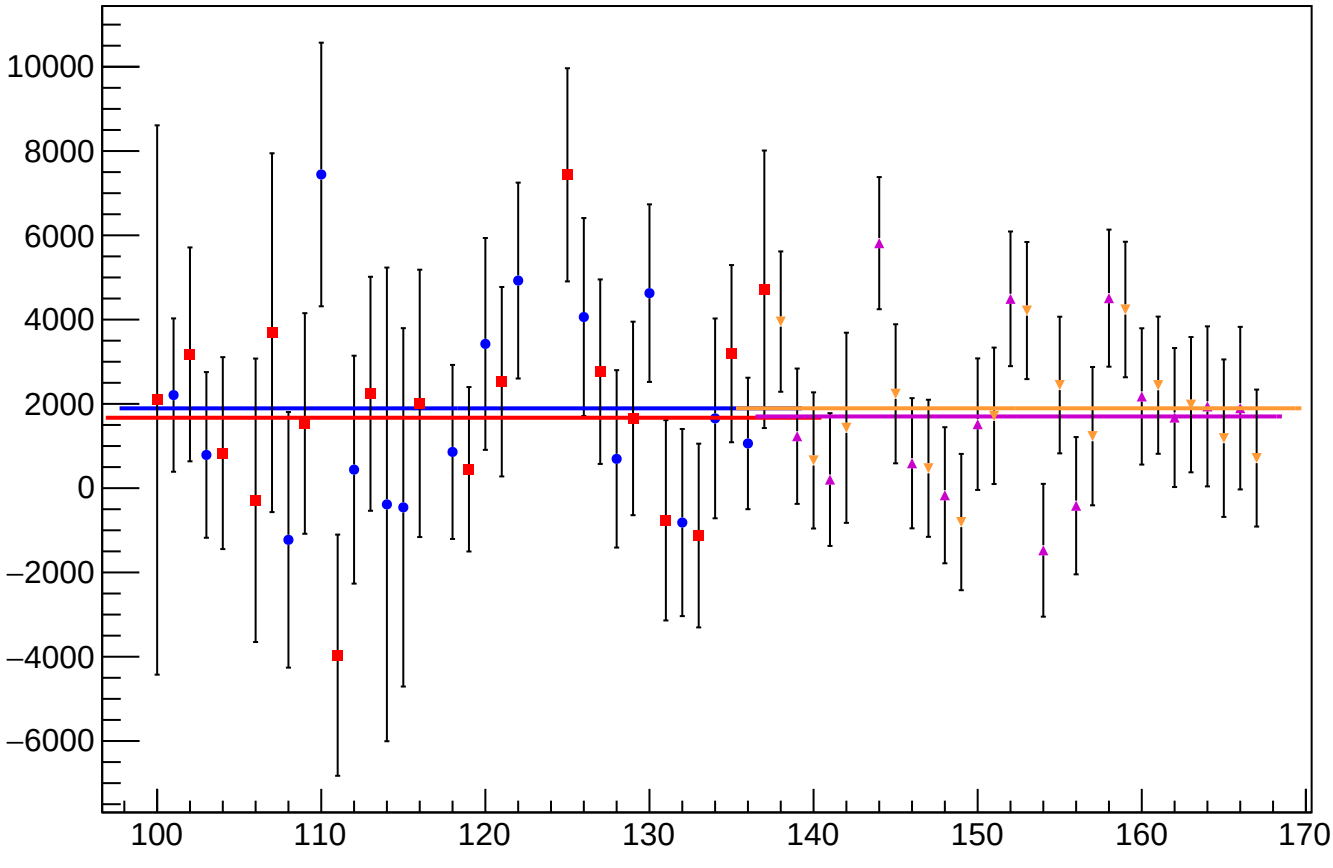
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -90.746+/-204.557 χ^2/NDF:28.1/29

Out: -6.200+/-125.886 χ^2/NDF:41.6/32

All: -29.424+/-107.211 χ^2/NDF: 69.9/62


asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 651.521+/-0.192 χ²/NDF: 2762681.5/15
Left Out: 1016.423+/-0.216 χ²/NDF:1137980.6/14
Right Out: 199.344+/-0.098 χ²/NDF: 9284792.6/17
Left In: 1021.592+/-0.219 χ²/NDF:1106411.9/13
Left: 1018.971+/-0.154 χ²/NDF: 2244674.3/28
Right: 291.943+/-0.087 χ²/NDF: 16436092.9/33
In: 812.611+/-0.145 χ²/NDF:5478172.6/29
Out: 337.848+/-0.089 χ²/NDF:22284223.7/32
All: 468.263+/-0.076 χ²/NDF: 35576469.8/62



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1895.725+/-430.496 χ^2/NDF:11.0/14

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1701.641+/-436.204 χ^2/NDF:21.6/13

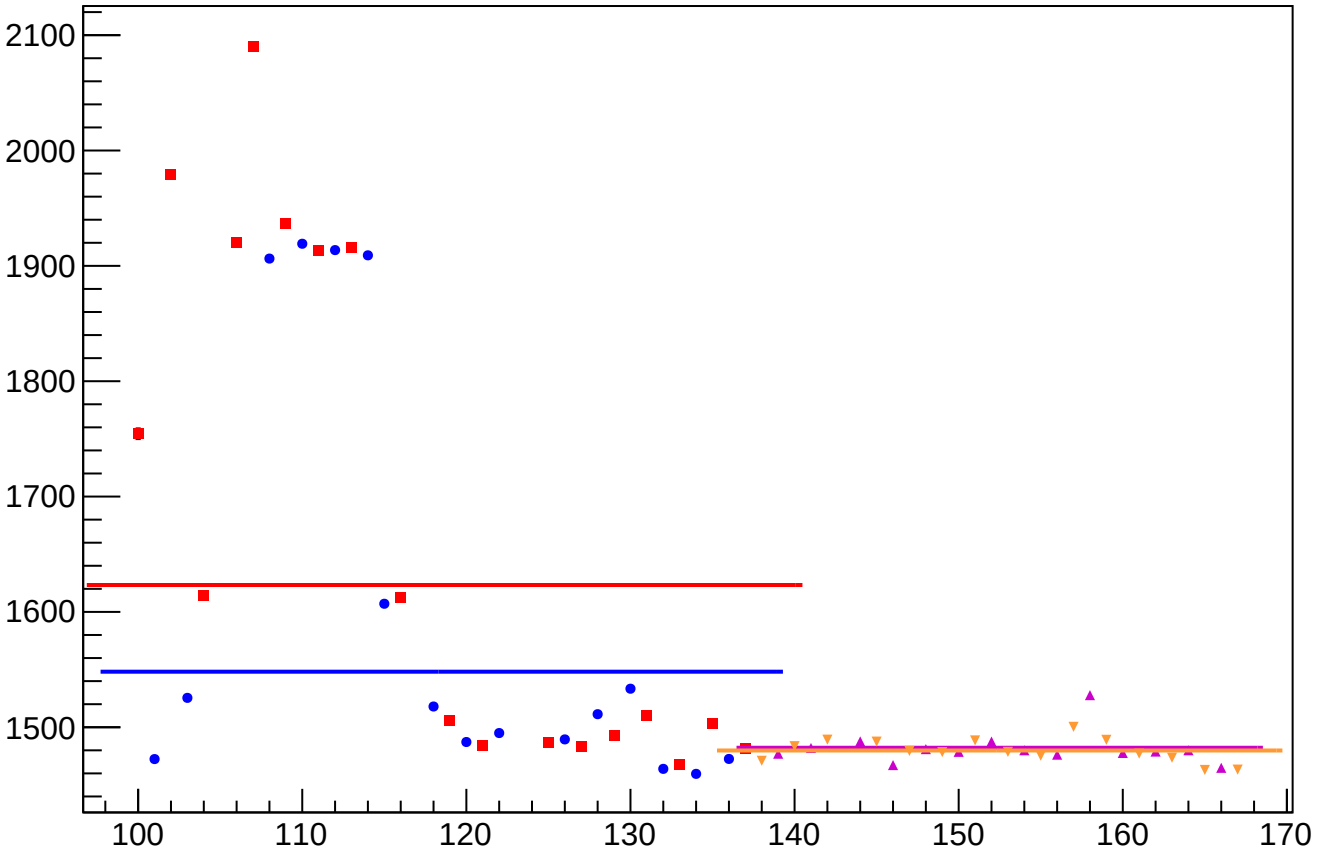
Left: 1799.961+/-306.405 χ^2/NDF: 32.7/28

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1771.561+/-348.099 χ^2/NDF:34.0/29

Out: 1820.139+/-350.728 χ^2/NDF:26.1/32

All: 1795.667+/-247.068 χ^2/NDF: 60.1/62



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1479.862+/-0.304 χ^2/NDF:1007.6/14

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1482.232+/-0.308 χ^2/NDF:2060.7/13

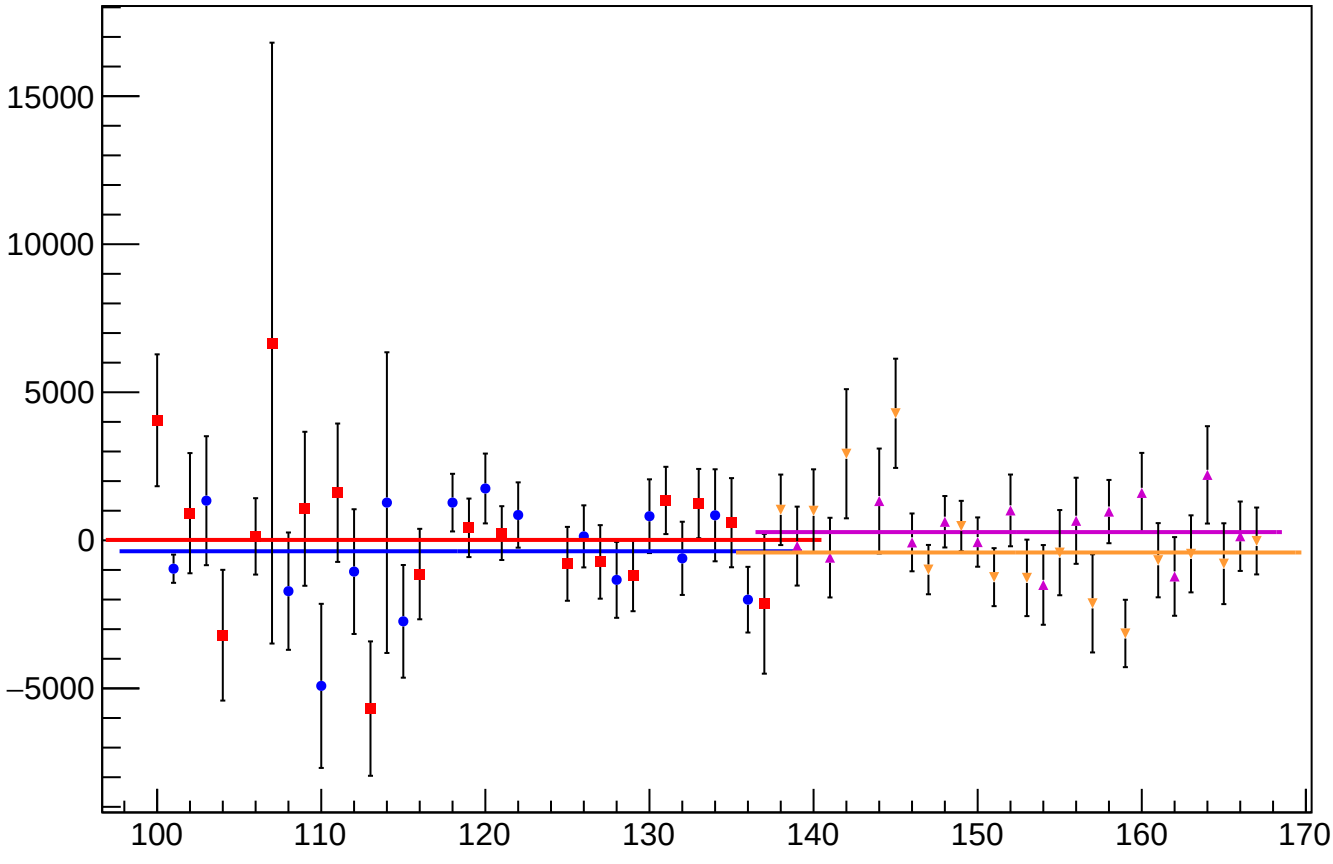
Left: 1481.031+/-0.217 χ^2/NDF: 3098.2/28

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1506.180+/-0.246 χ^2/NDF:138564.7/29

Out: 1528.103+/-0.248 χ^2/NDF:287232.9/32

All: 1517.059+/-0.175 χ^2/NDF: 429734.3/62



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -410.382+/-310.811 χ^2/NDF:21.1/14

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 278.057+/-315.514 χ^2/NDF:7.6/13

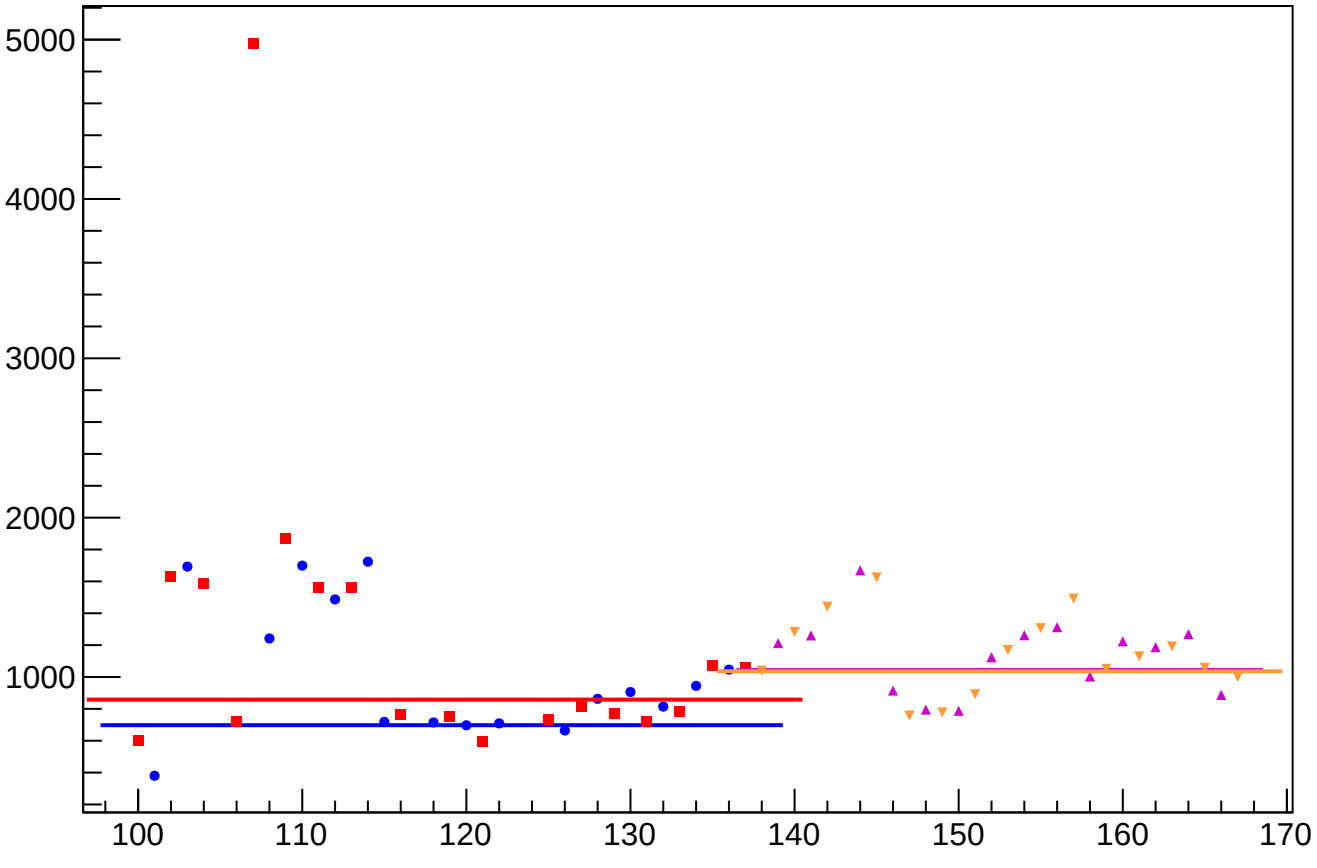
Left: -71.332+/-221.421 χ^2/NDF: 31.1/28

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -76.339+/-212.135 χ^2/NDF:28.8/29

Out: -218.278+/-229.883 χ^2/NDF:41.1/32

All: -141.618+/-155.899 χ^2/NDF: 70.0/62



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1035.931+/-0.220 χ^2/NDF:1072659.7/14

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1043.595+/-0.223 χ^2/NDF:985861.0/13

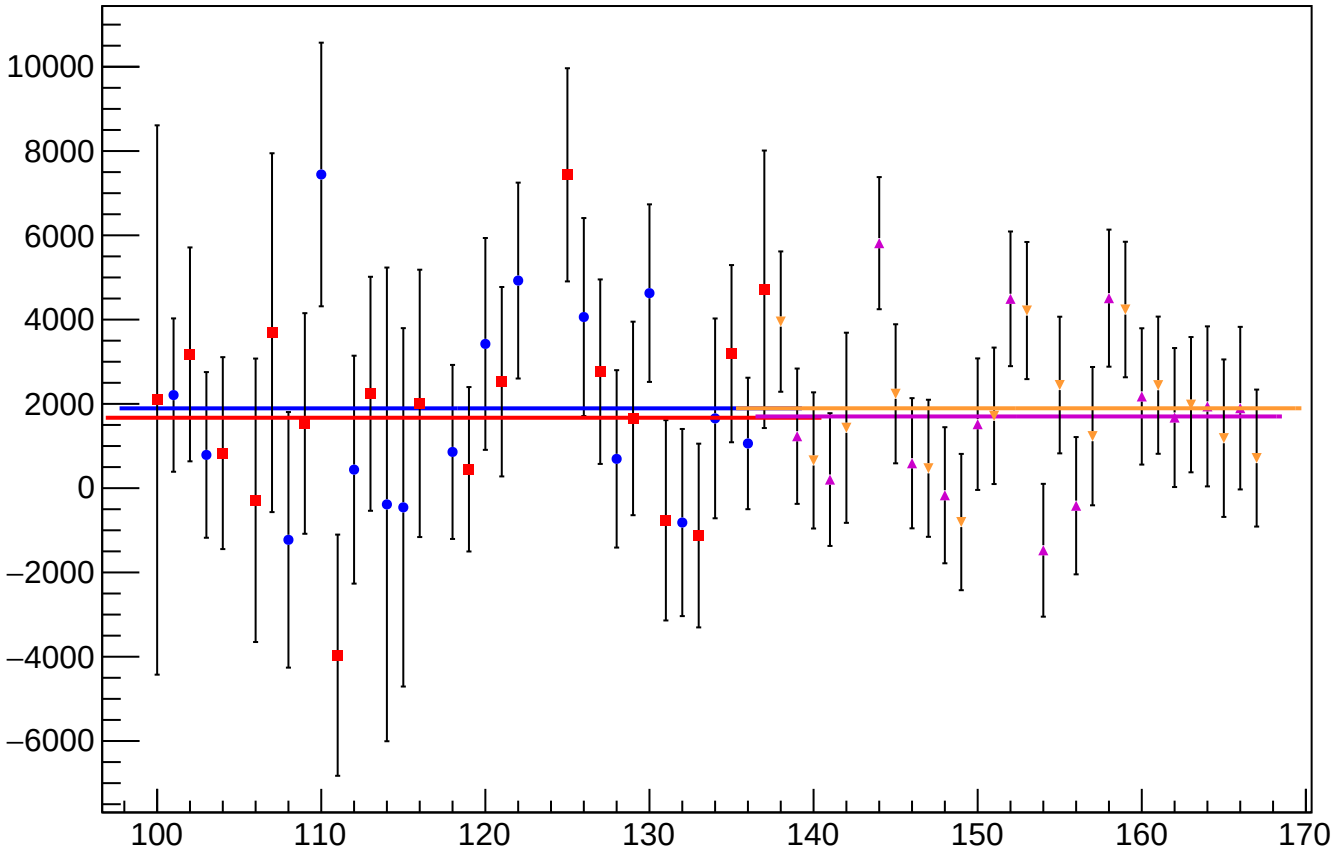
Left: 1039.705+/-0.157 χ^2/NDF: 2059119.6/28

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 853.961+/-0.150 χ^2/NDF:4739969.7/29

Out: 955.379+/-0.163 χ^2/NDF:3251398.0/32

All: 900.604+/-0.110 χ^2/NDF: 8201606.7/62



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1895.723+/-430.496 χ^2/NDF:11.0/14

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1701.642+/-436.204 χ^2/NDF:21.6/13

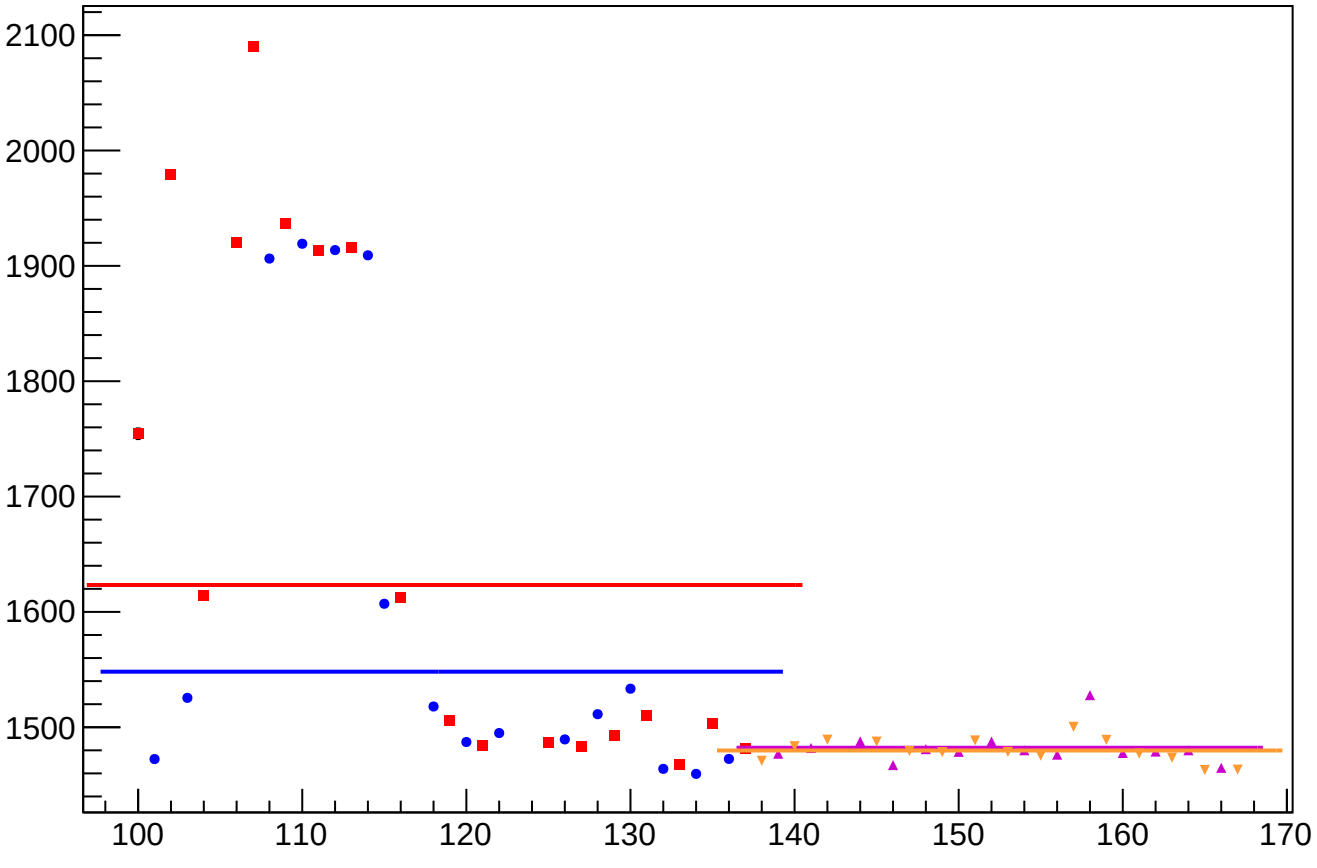
Left: 1799.961+/-306.405 χ^2/NDF: 32.7/28

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1771.561+/-348.099 χ^2/NDF:34.0/29

Out: 1820.136+/-350.728 χ^2/NDF:26.1/32

All: 1795.666+/-247.068 χ^2/NDF: 60.1/62



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1479.862+/-0.304 χ^2/NDF:1007.6/14

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1482.232+/-0.308 χ^2/NDF:2060.7/13

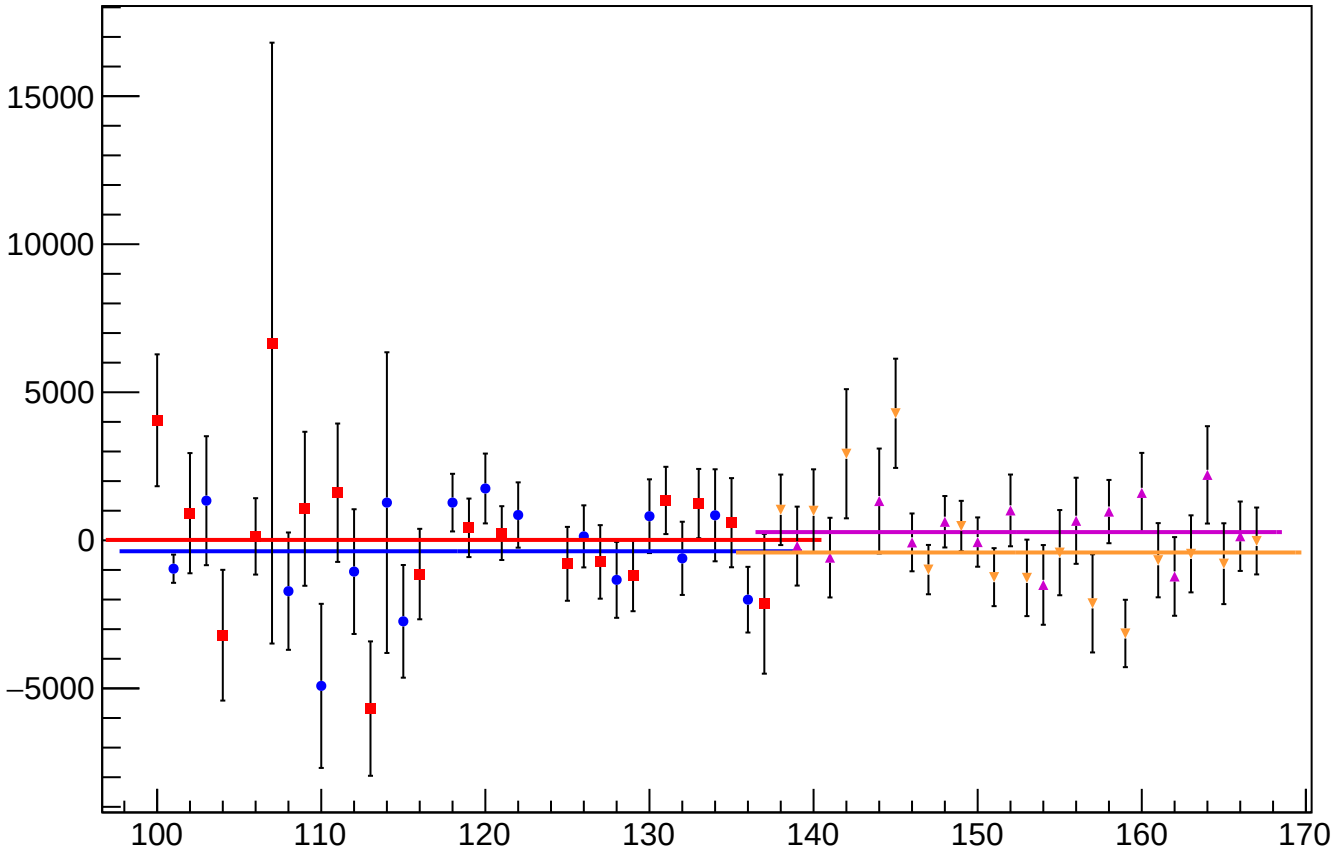
Left: 1481.031+/-0.217 χ^2/NDF: 3098.2/28

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1506.180+/-0.246 χ^2/NDF:138564.7/29

Out: 1528.103+/-0.248 χ^2/NDF:287232.4/32

All: 1517.059+/-0.175 χ^2/NDF: 429733.8/62



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -410.385+/-310.812 χ^2/NDF:21.1/14

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 278.057+/-315.514 χ^2/NDF:7.6/13

Left: -71.333+/-221.421 χ^2/NDF: 31.1/28

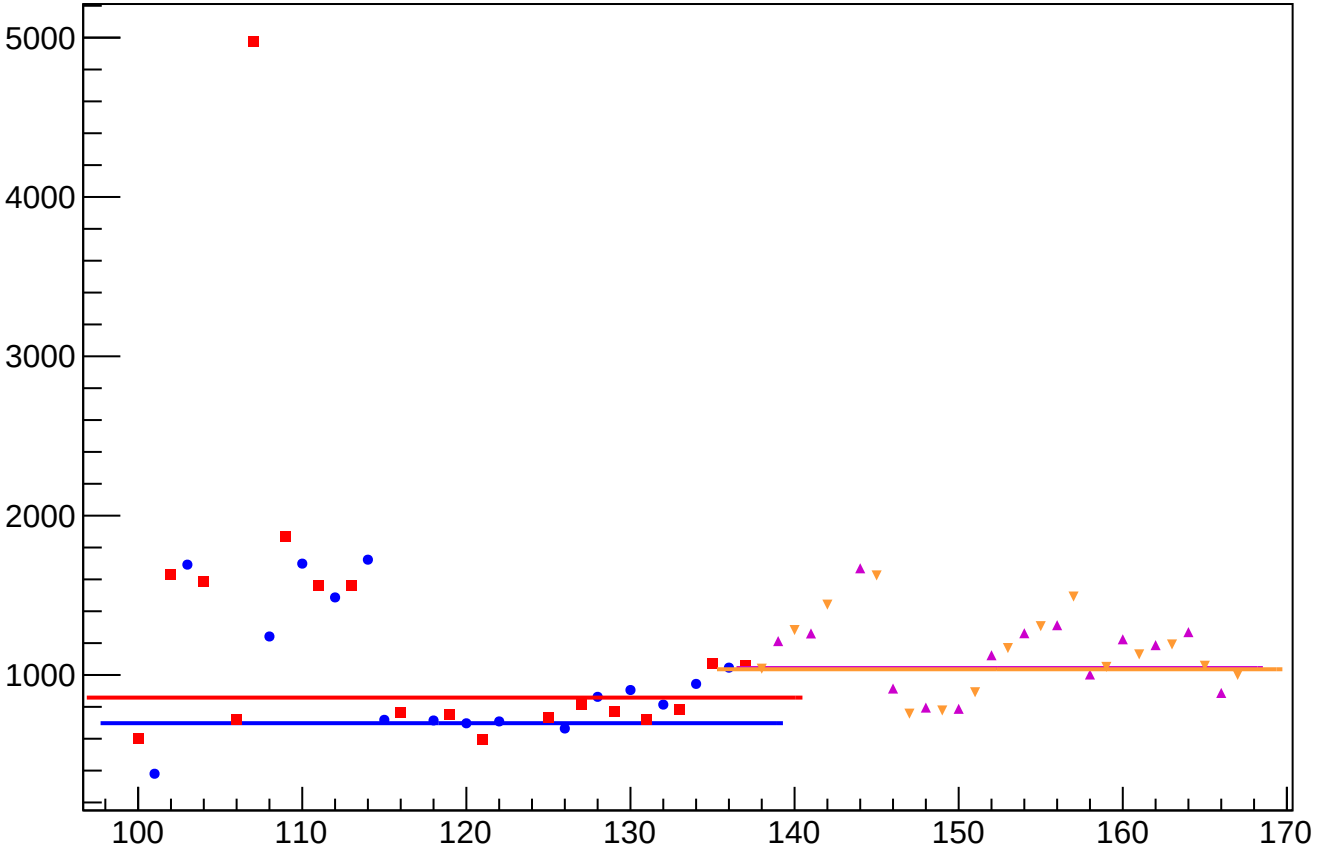
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -76.338+/-212.135 χ^2/NDF:28.8/29

Out: -218.278+/-229.883 χ^2/NDF:41.1/32

All: -141.618+/-155.899 χ^2/NDF: 70.0/62

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1035.933+/-0.220 χ^2/NDF:1072657.5/14

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1043.596+/-0.223 χ^2/NDF:985858.1/13

Left: 1039.707+/-0.157 χ^2/NDF: 2059114.4/28

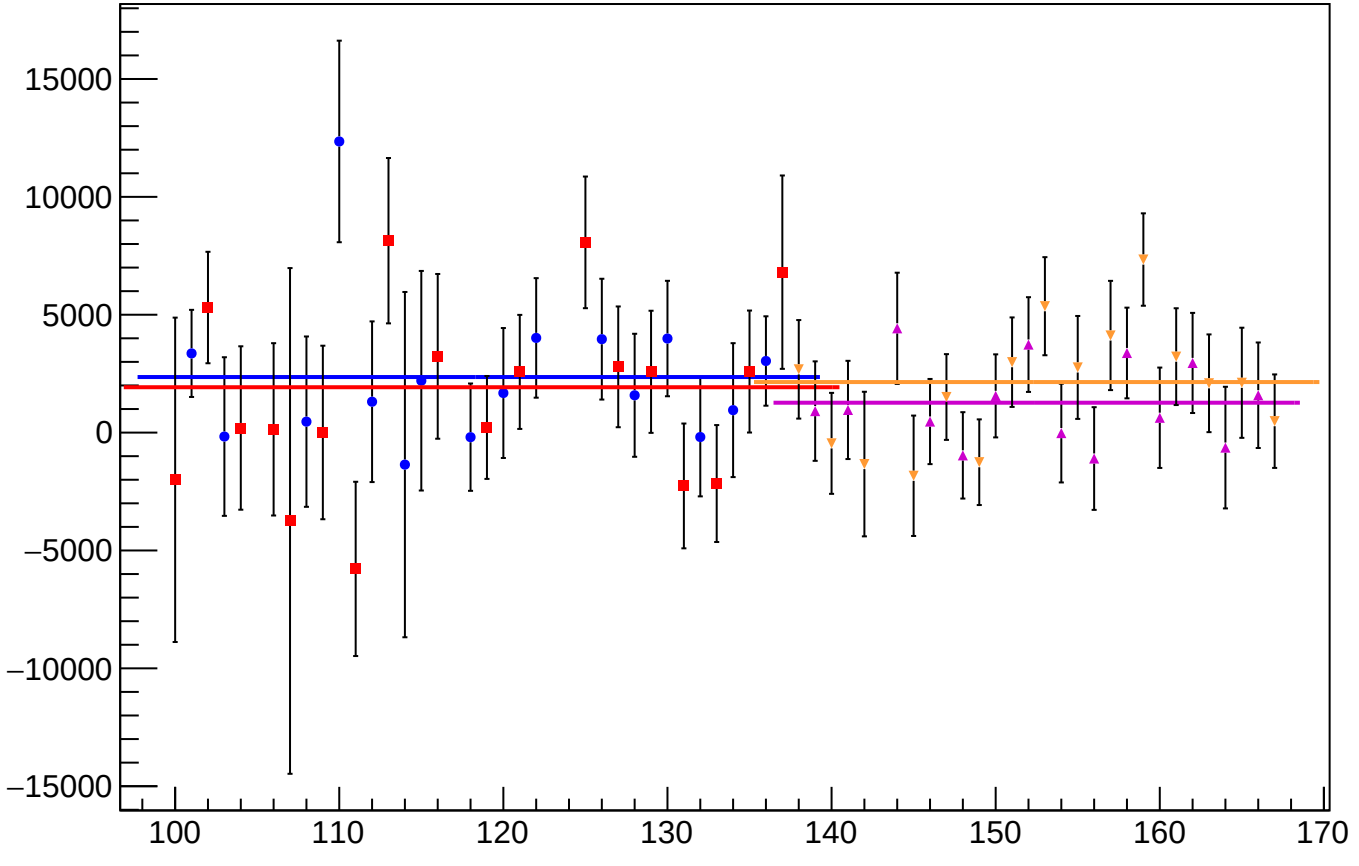
Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 853.961+/-0.150 χ^2/NDF:4739970.3/29

Out: 955.379+/-0.163 χ^2/NDF:3251416.4/32

All: 900.605+/-0.110 χ^2/NDF: 8201623.2/62

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2144.268+/-543.580 χ^2/NDF:20.3/14

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1267.623+/-549.612 χ^2/NDF:9.1/13

Left: 1710.783+/-386.484 χ^2/NDF: 30.7/28

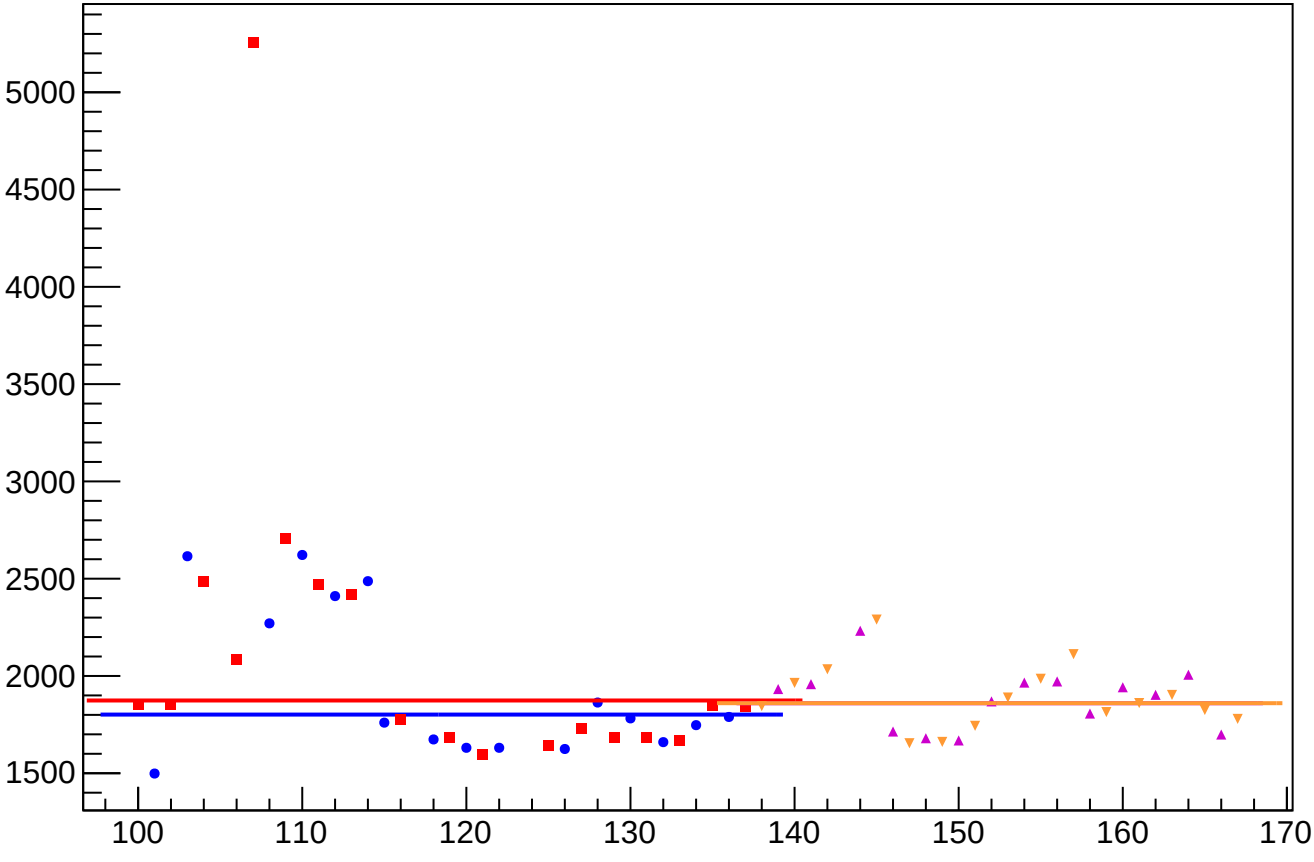
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1698.887+/-427.186 χ^2/NDF:21.7/29

Out: 2062.713+/-430.890 χ^2/NDF:43.8/32

All: 1879.230+/-303.367 χ^2/NDF: 65.8/62

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1860.075+/-0.384 χ^2/NDF:161394.7/14

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1859.767+/-0.389 χ^2/NDF:145125.1/13

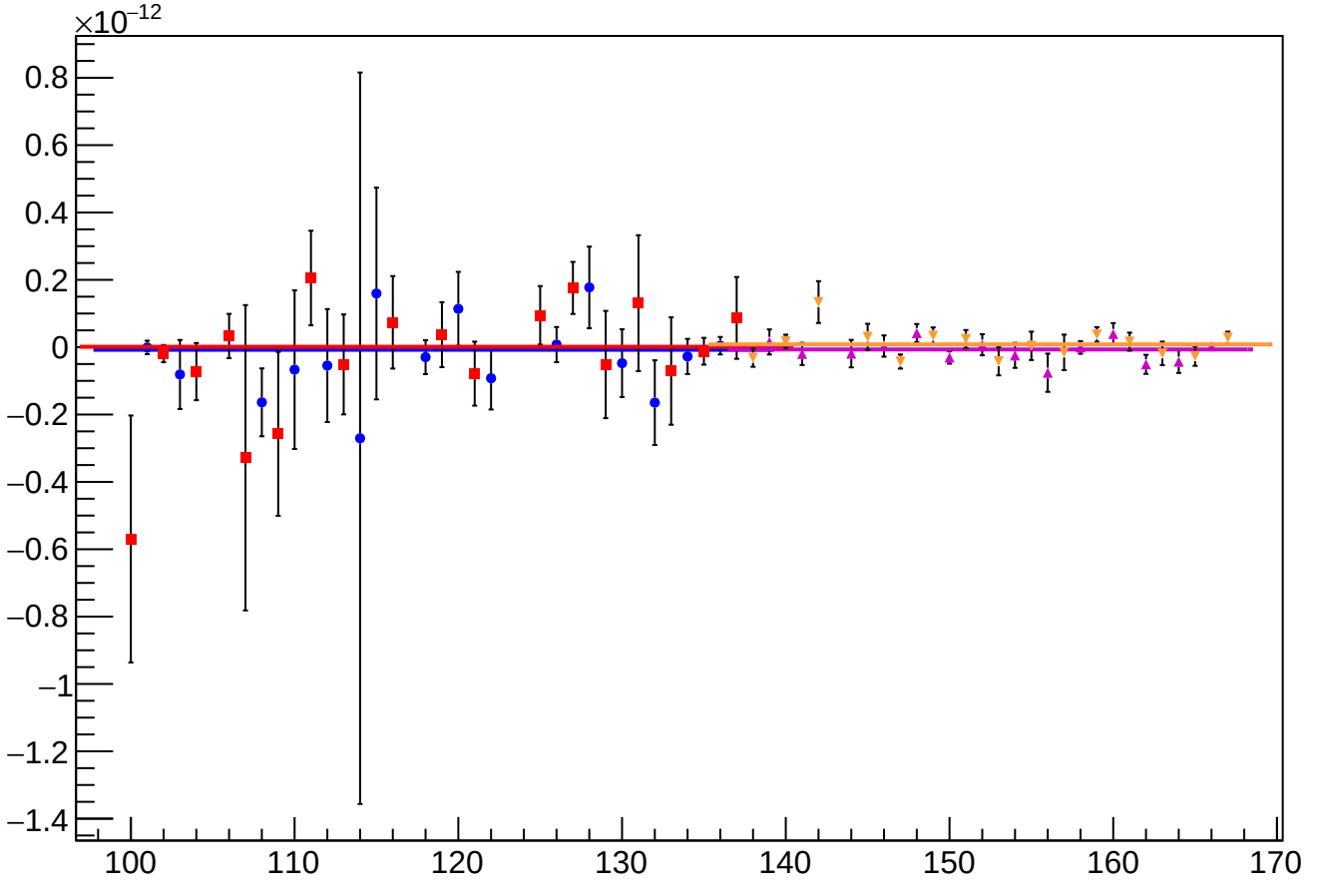
Left: 1859.922+/-0.273 χ^2/NDF: 306520.1/28

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1836.711+/-0.302 χ^2/NDF:554717.5/29

Out: 1865.241+/-0.305 χ^2/NDF:731789.8/32

All: 1850.853+/-0.215 χ^2/NDF: 1290929.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:13.7/13

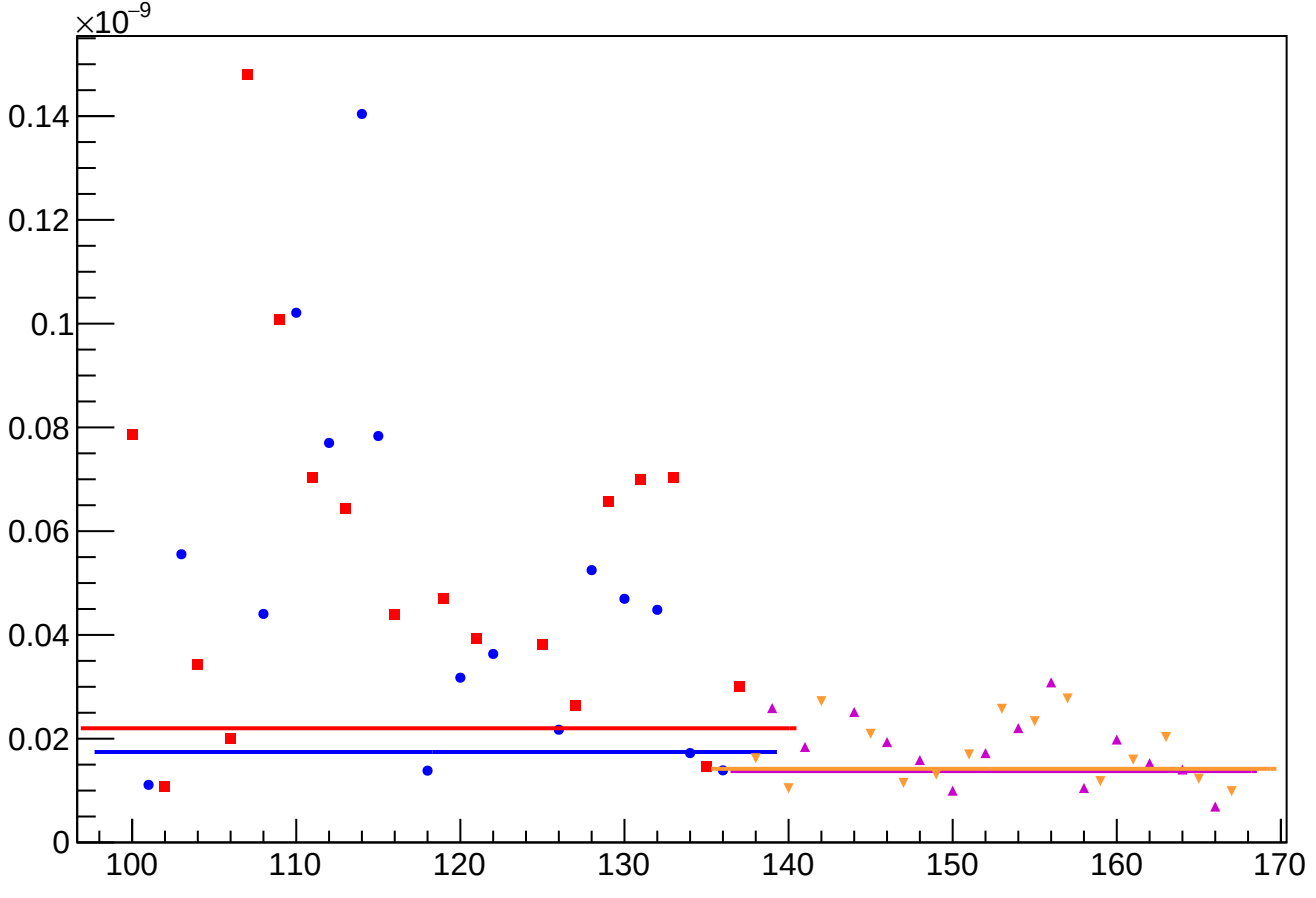
Left: 0.000+/-0.000 χ^2/NDF: 37.1/28

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:23.9/29

Out: 0.000+/-0.000 χ^2/NDF:37.9/32

All: -0.000+/-0.000 χ^2/NDF: 64.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:893310.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1431862.8/13

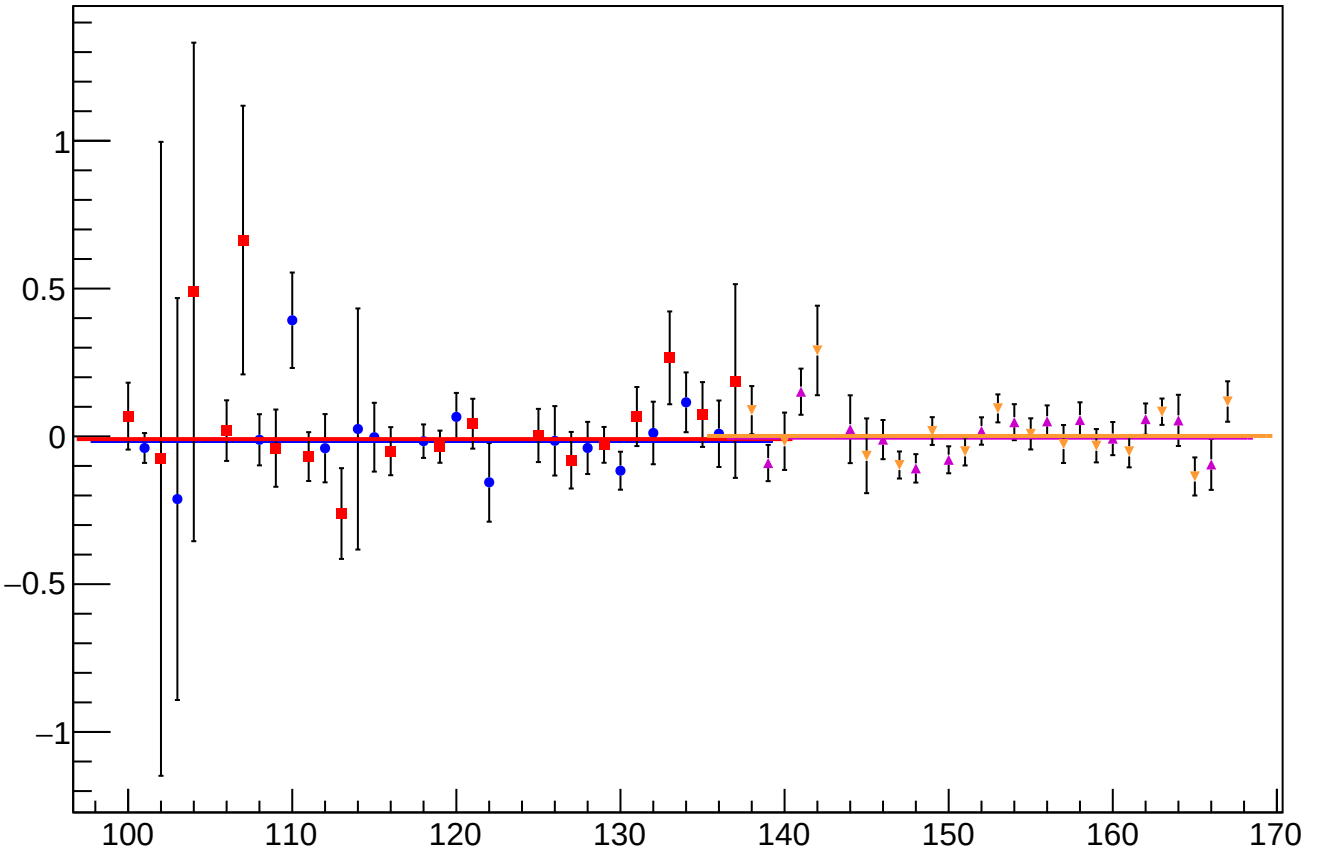
Left: 0.000+/-0.000 χ^2/NDF: 2329042.0/28

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3393769.0/29

Out: 0.000+/-0.000 χ^2/NDF:3347821.6/32

All: 0.000+/-0.000 χ^2/NDF: 6754695.0/62



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.004+/-0.016 χ^2/NDF:19.4/13

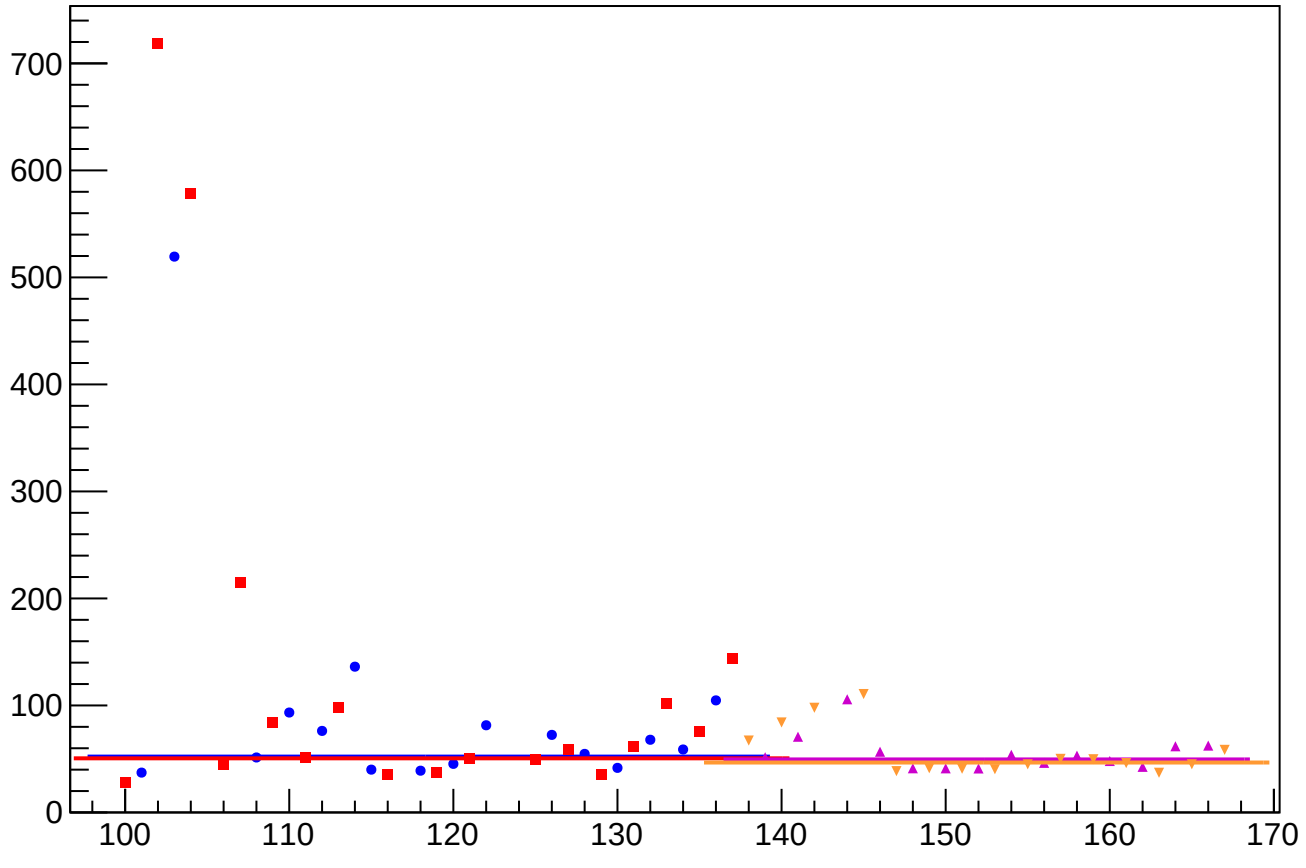
Left: -0.001+/-0.011 χ^2/NDF: 46.6/28

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:32.7/29

Out: -0.002+/-0.013 χ^2/NDF:39.8/32

All: -0.005+/-0.009 χ^2/NDF: 72.6/62



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.666+/-0.011 χ^2/NDF:1485495.3/14

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.548+/-0.011 χ^2/NDF:990042.2/13

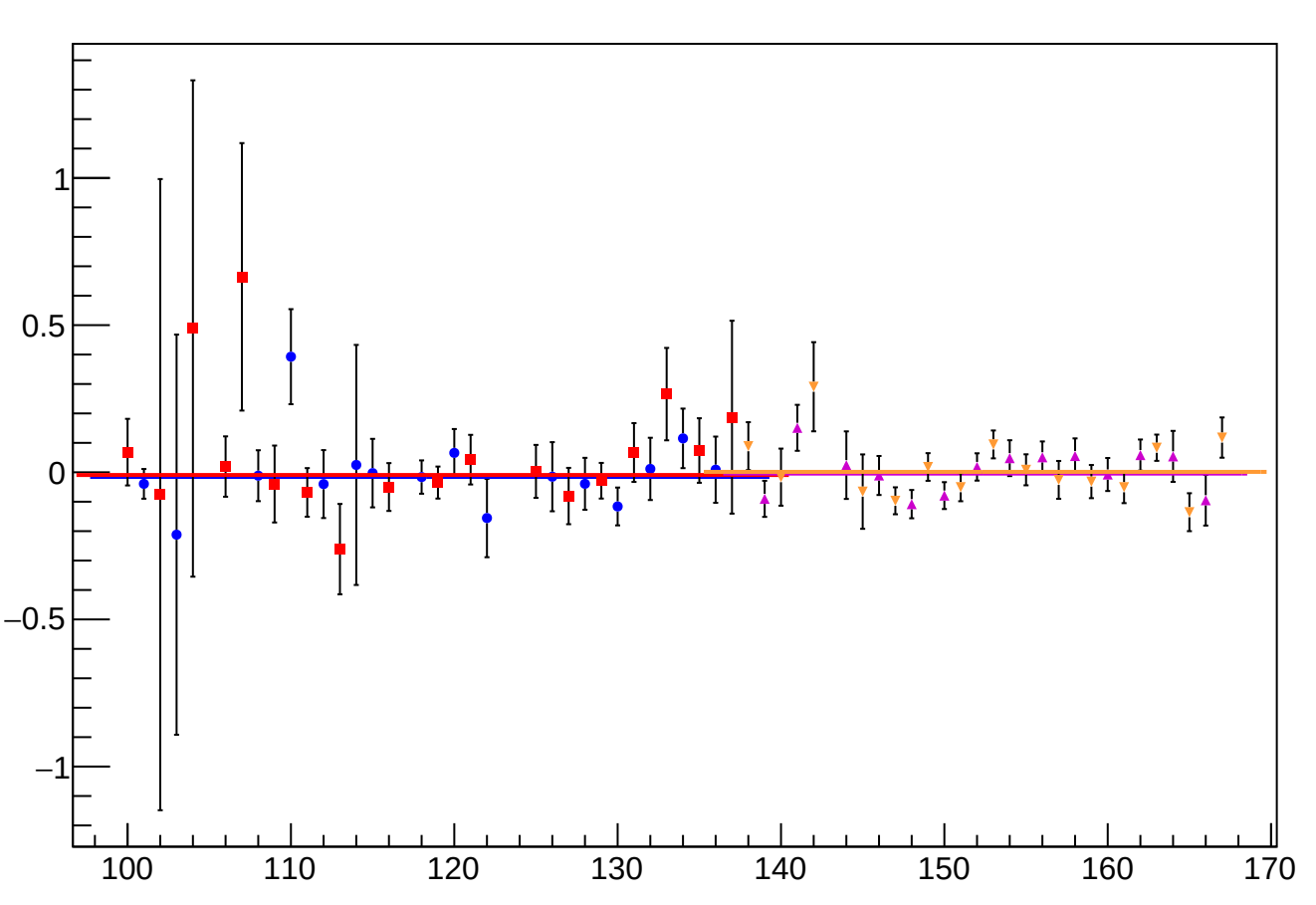
Left: 48.030+/-0.008 χ^2/NDF: 2510075.3/28

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.422+/-0.009 χ^2/NDF:3275205.1/29

Out: 47.802+/-0.009 χ^2/NDF:4575975.5/32

All: 49.081+/-0.006 χ^2/NDF: 7892624.8/62



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.004+/-0.016 χ^2/NDF:19.4/13

Left: -0.001+/-0.011 χ^2/NDF: 46.6/28

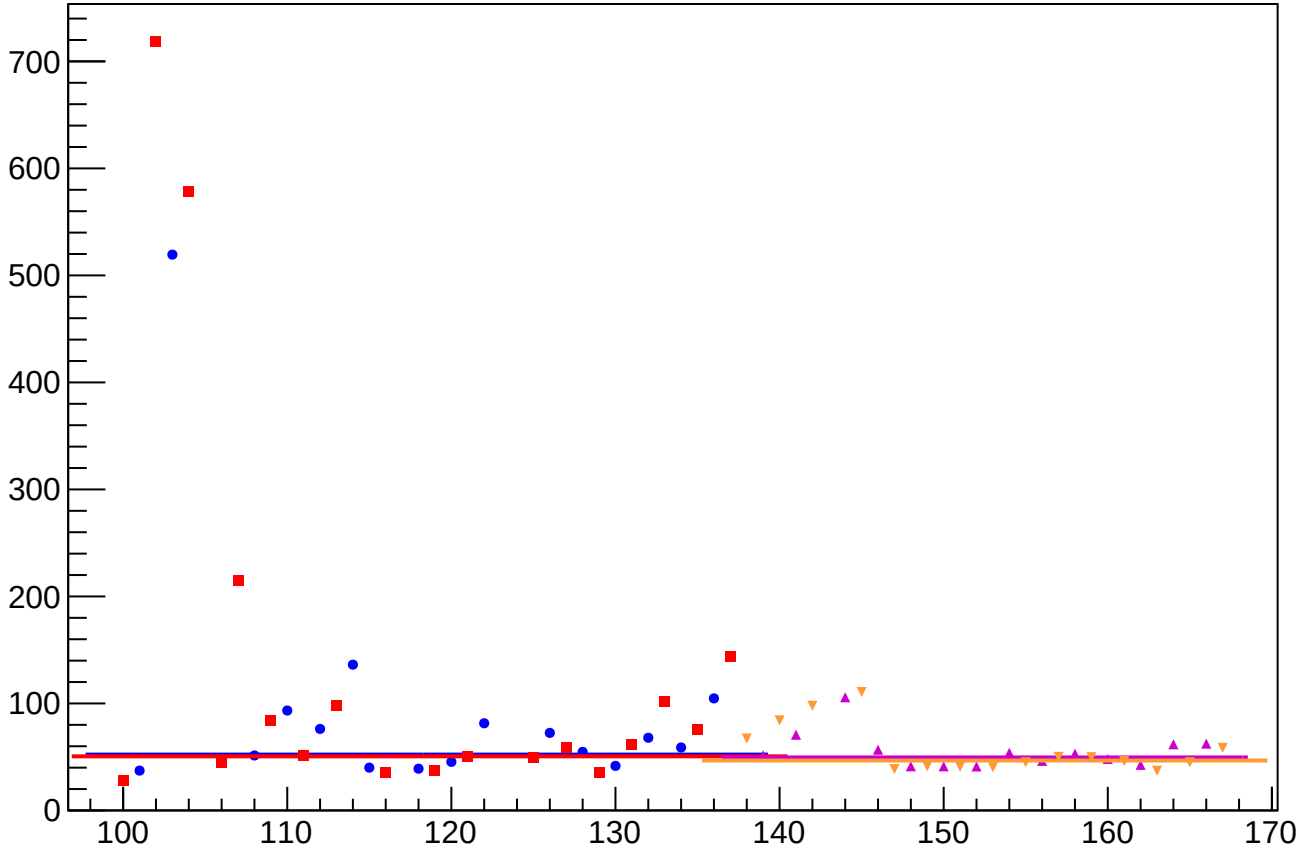
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:32.7/29

Out: -0.002+/-0.013 χ^2/NDF:39.8/32

All: -0.005+/-0.009 χ^2/NDF: 72.6/62

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.666+/-0.011 χ^2/NDF:1485495.3/14

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.548+/-0.011 χ^2/NDF:990042.2/13

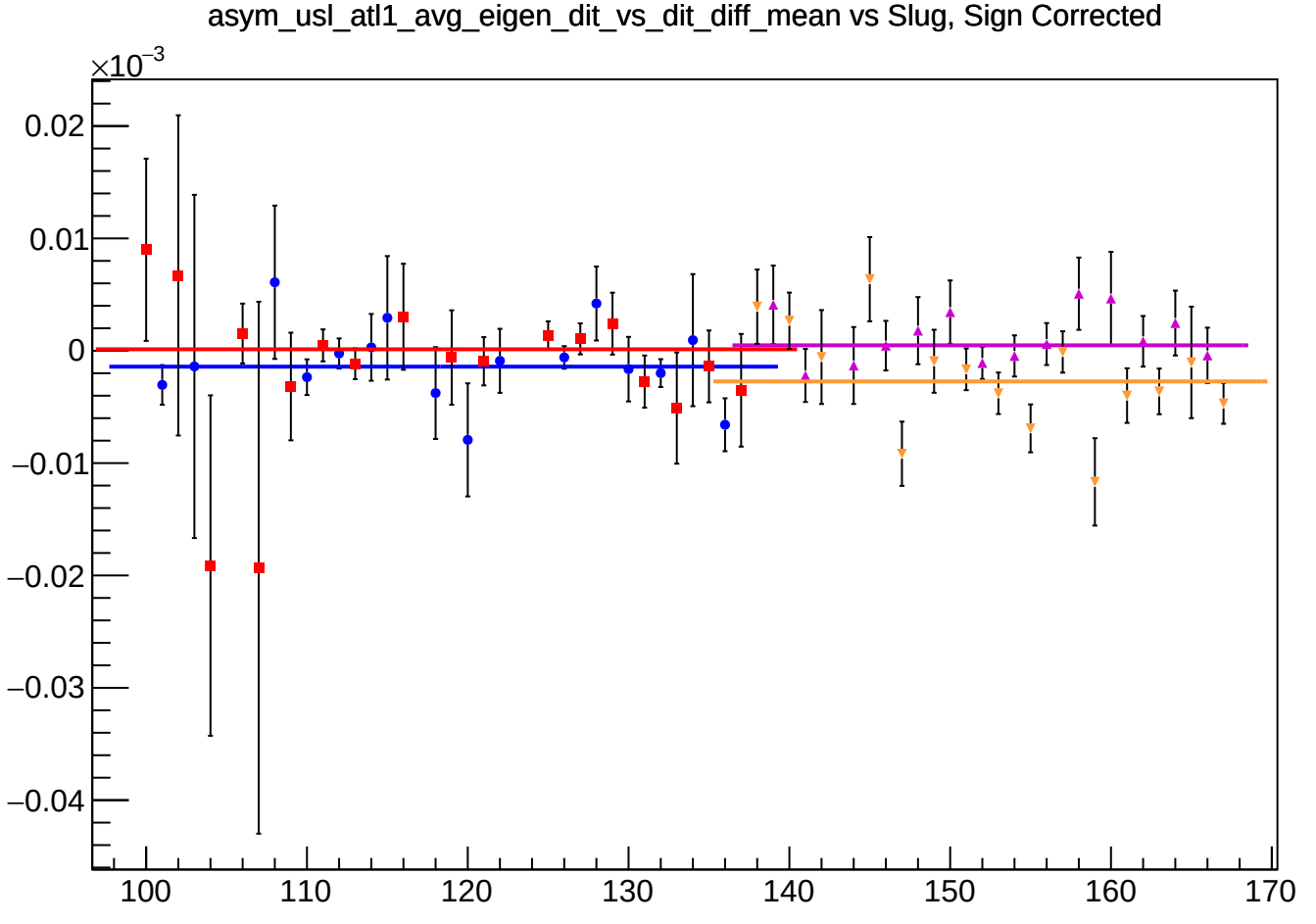
Left: 48.030+/-0.008 χ^2/NDF: 2510075.3/28

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.422+/-0.009 χ^2/NDF:3275205.1/29

Out: 47.802+/-0.009 χ^2/NDF:4575975.5/32

All: 49.081+/-0.006 χ^2/NDF: 7892624.8/62



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:9.1/13

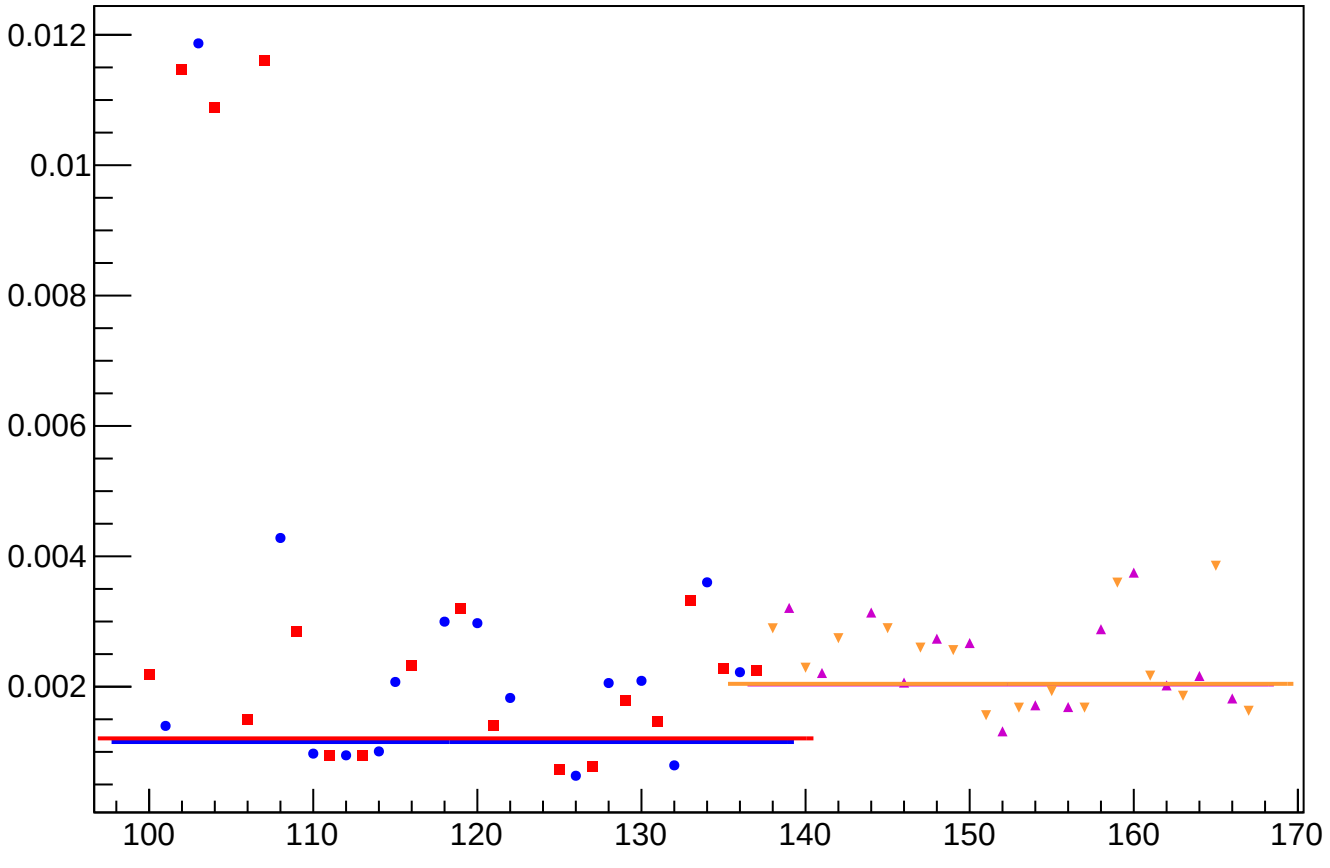
Left: -0.000+/-0.000 χ^2/NDF: 56.0/28

Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:29.4/29

Out: -0.000+/-0.000 χ^2/NDF:57.1/32

All: -0.000+/-0.000 χ^2/NDF: 87.3/62



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1463450.1/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1791434.6/13

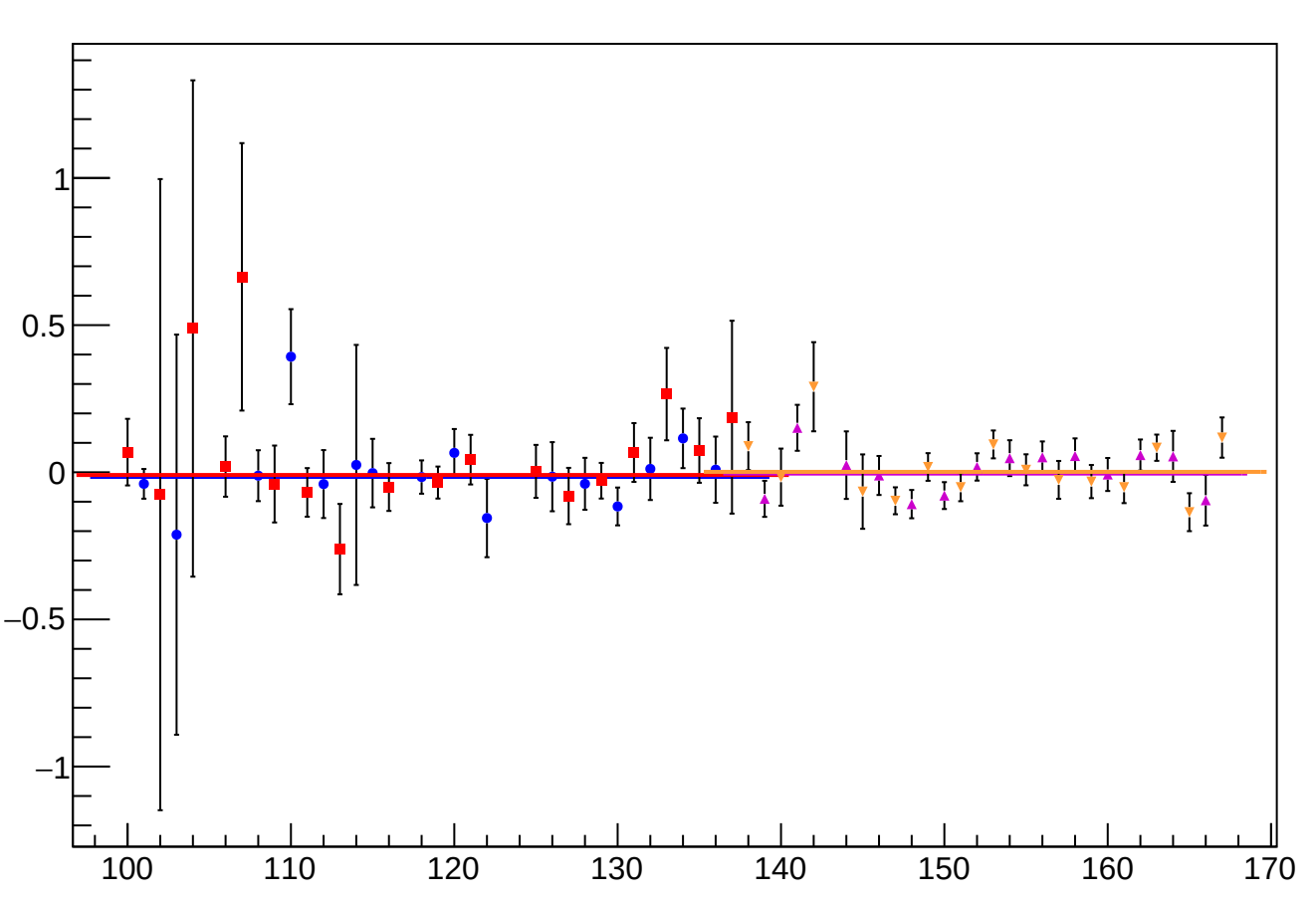
Left: 0.002+/-0.000 χ^2/NDF: 3255112.2/28

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.002+/-0.000 χ^2/NDF:8315367.9/29

Out: 0.002+/-0.000 χ^2/NDF:7978665.8/32

All: 0.002+/-0.000 χ^2/NDF: 16324833.5/62



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.004+/-0.016 χ^2/NDF:19.3/13

Left: -0.001+/-0.011 χ^2/NDF: 46.6/28

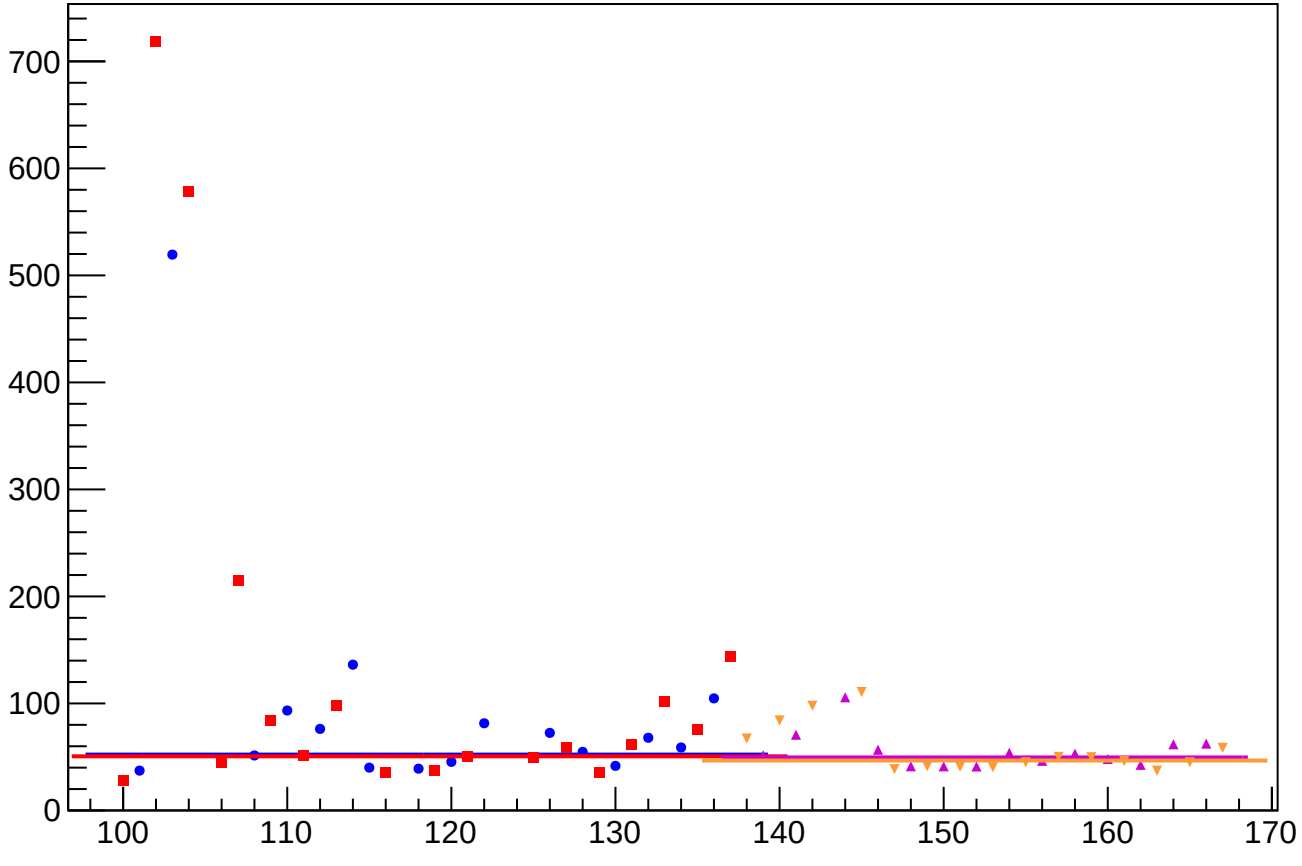
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:32.7/29

Out: -0.002+/-0.013 χ^2/NDF:39.8/32

All: -0.005+/-0.009 χ^2/NDF: 72.6/62

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.666+/-0.011 χ^2/NDF:1485482.6/14

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.548+/-0.011 χ^2/NDF:990047.8/13

Left: 48.030+/-0.008 χ^2/NDF: 2510064.7/28

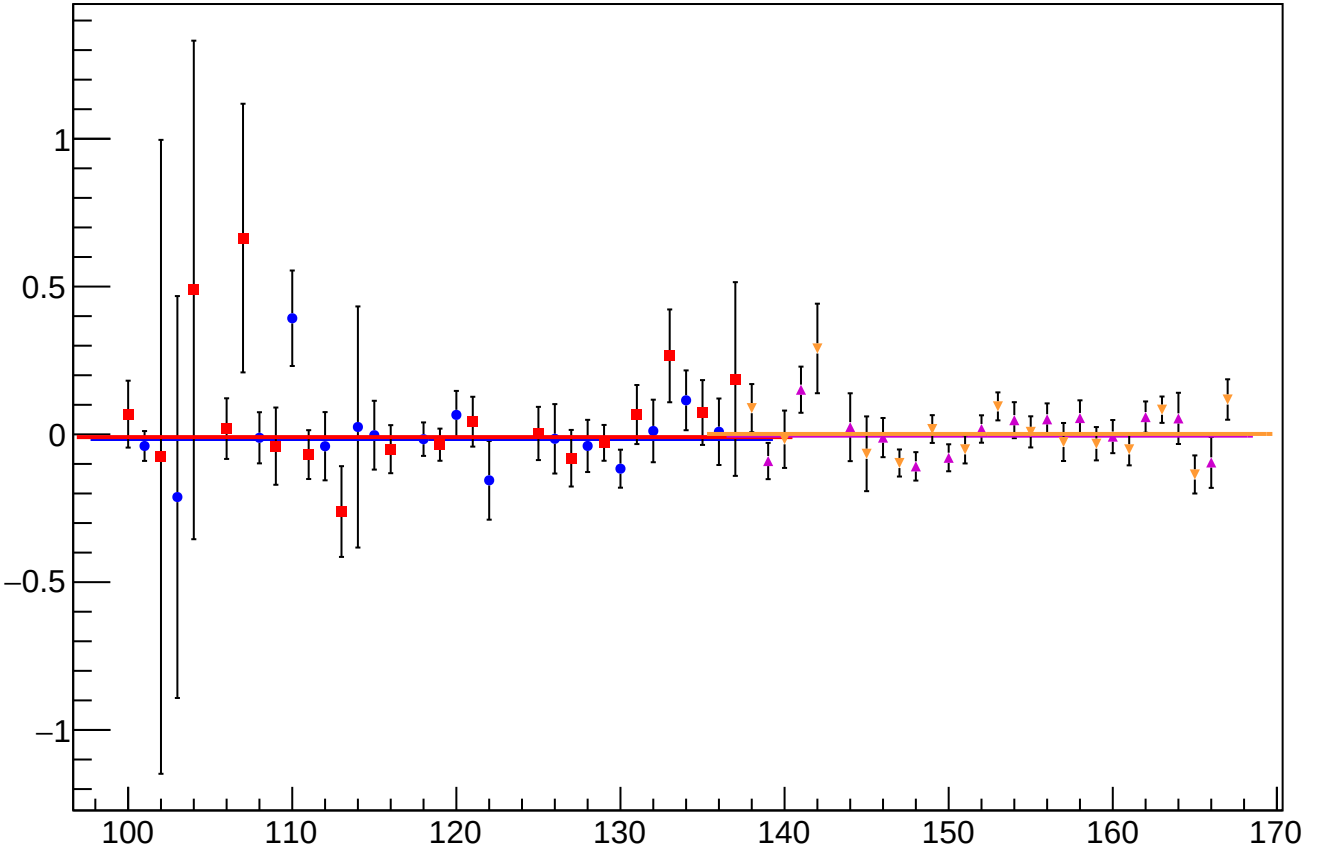
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.422+/-0.009 χ^2/NDF:3275202.4/29

Out: 47.802+/-0.009 χ^2/NDF:4575939.2/32

All: 49.081+/-0.006 χ^2/NDF: 7892583.2/62

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.004+/-0.016 χ^2/NDF:19.3/13

Left: -0.001+/-0.011 χ^2/NDF: 46.6/28

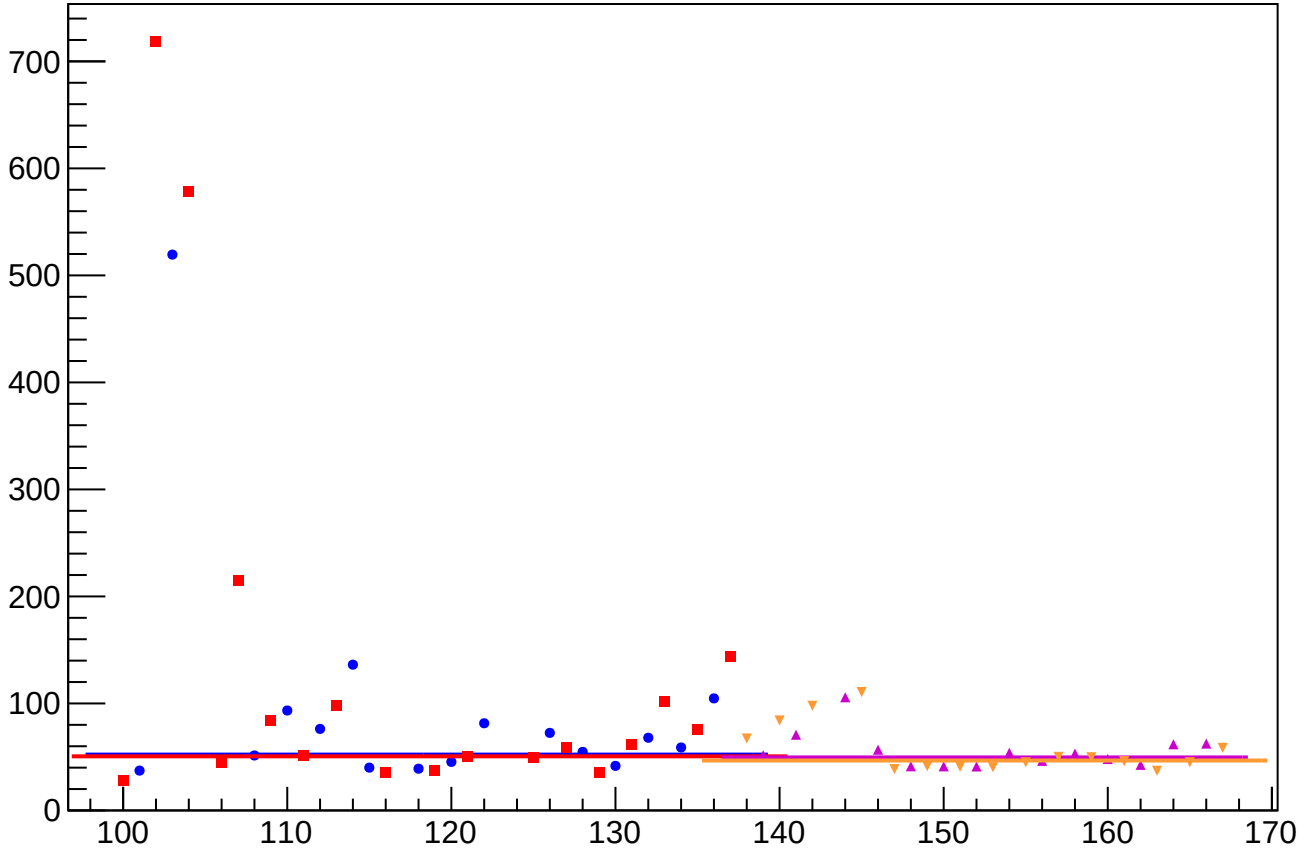
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:32.7/29

Out: -0.002+/-0.013 χ^2/NDF:39.8/32

All: -0.005+/-0.009 χ^2/NDF: 72.6/62

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.666+/-0.011 χ^2/NDF:1485482.6/14

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.548+/-0.011 χ^2/NDF:990047.8/13

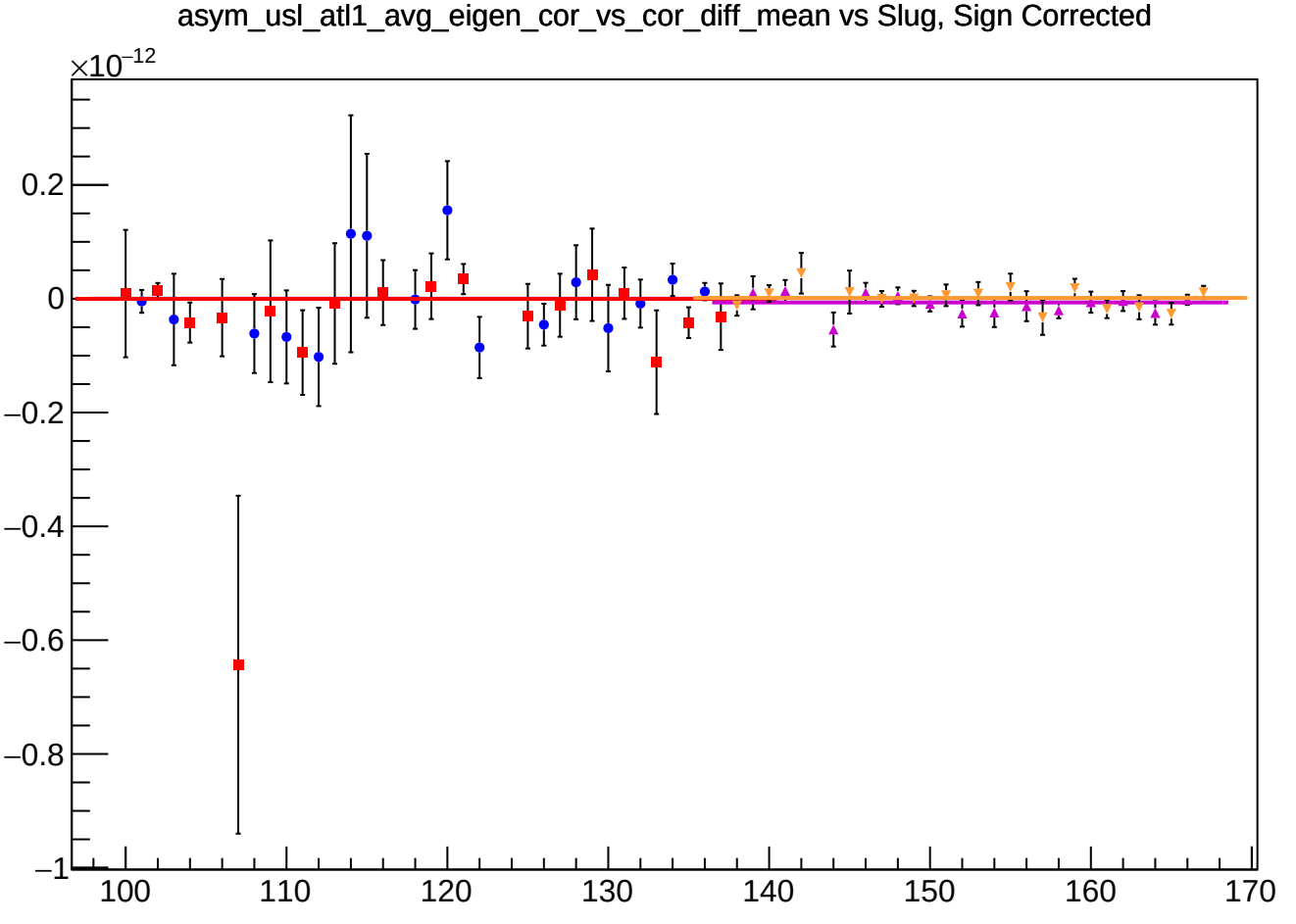
Left: 48.030+/-0.008 χ^2/NDF: 2510064.7/28

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.422+/-0.009 χ^2/NDF:3275202.4/29

Out: 47.802+/-0.009 χ^2/NDF:4575939.2/32

All: 49.081+/-0.006 χ^2/NDF: 7892583.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:9.0/13

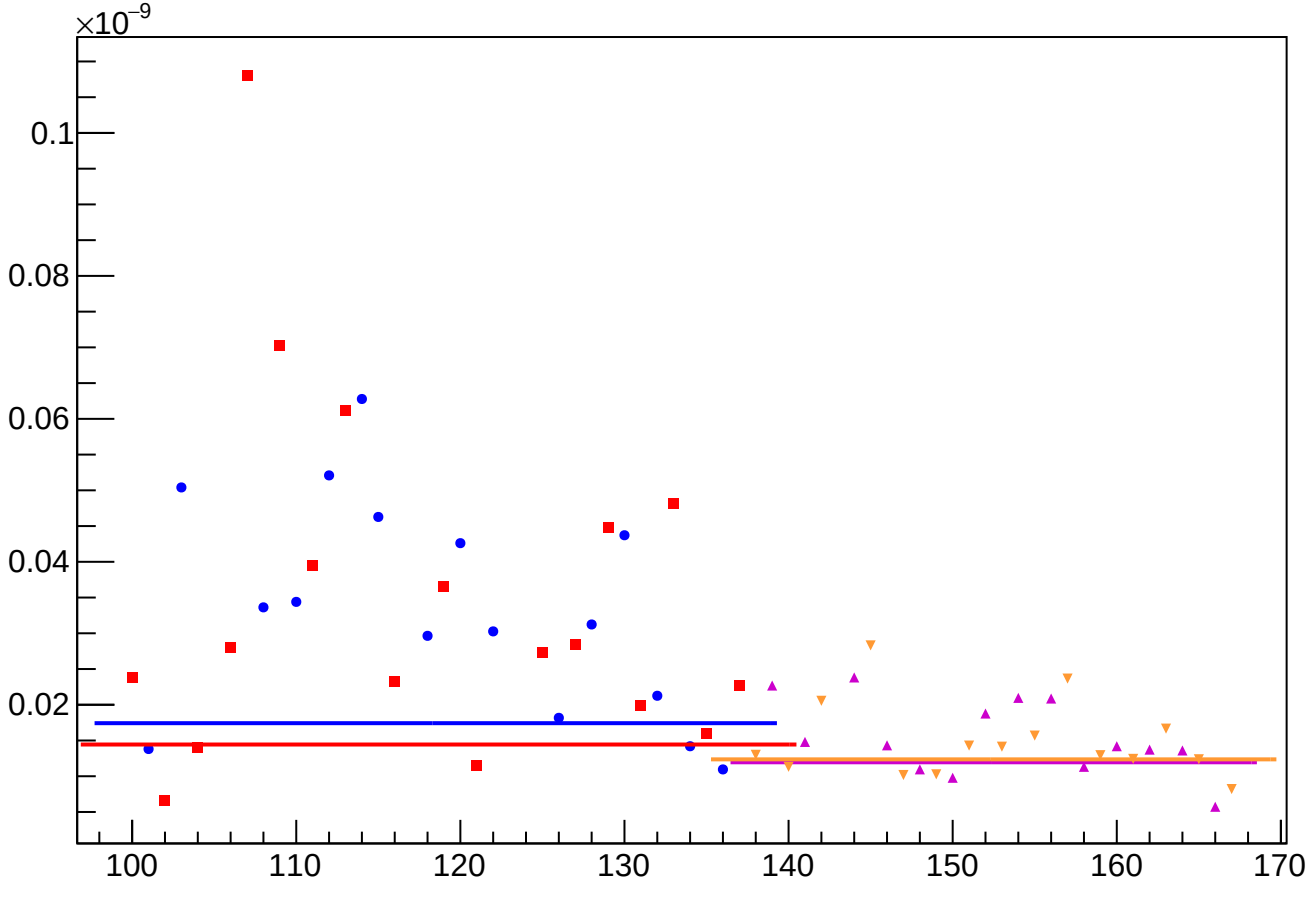
Left: -0.000+/-0.000 χ^2/NDF: 20.9/28

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:23.4/29

Out: 0.000+/-0.000 χ^2/NDF:26.5/32

All: -0.000+/-0.000 χ^2/NDF: 51.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262226.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2410186.2/13

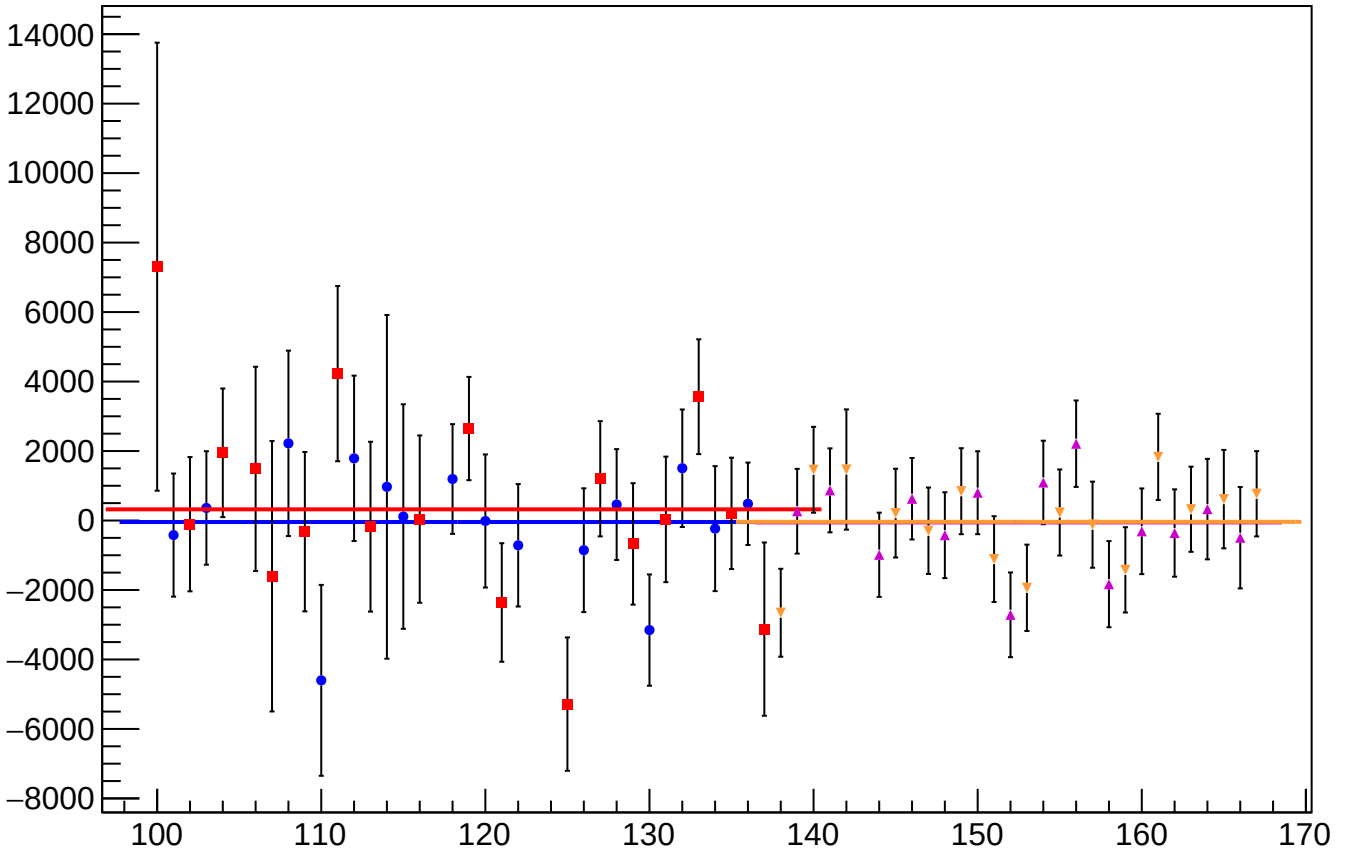
Left: 0.000+/-0.000 χ^2/NDF: 3680562.8/28

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:5186906.4/29

Out: 0.000+/-0.000 χ^2/NDF:4608856.8/32

All: 0.000+/-0.000 χ^2/NDF: 9797791.9/62



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -37.925+/-328.425 χ^2/NDF:14.5/14

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: -55.162+/-332.988 χ^2/NDF:13.5/13

Left: -46.425+/-233.828 χ^2/NDF: 28.0/28

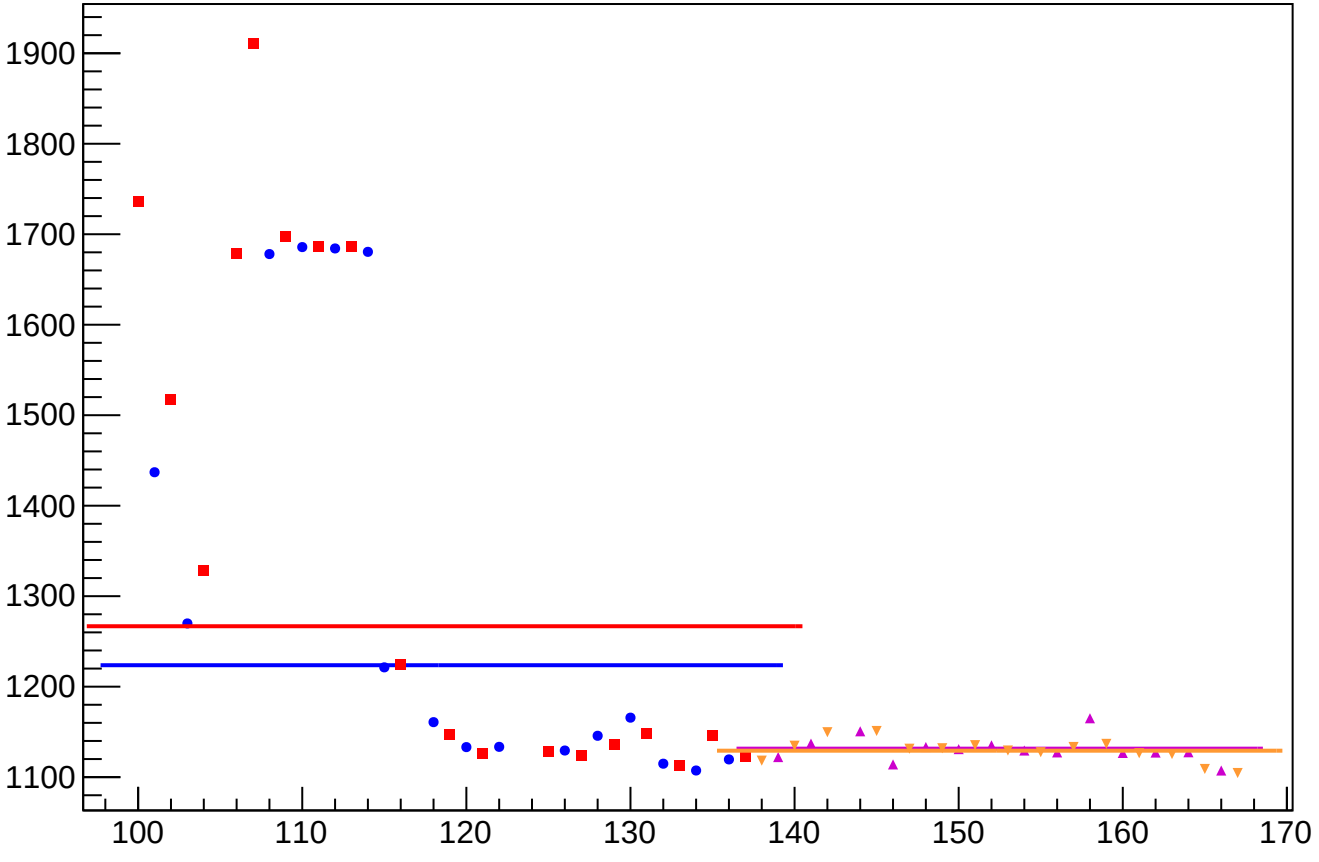
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -51.206+/-269.576 χ^2/NDF:23.6/29

Out: 78.271+/-270.129 χ^2/NDF:39.7/32

All: 13.400+/-190.814 χ^2/NDF: 63.4/62

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1129.244+/-0.232 χ^2/NDF:2459.5/14

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1131.492+/-0.235 χ^2/NDF:3236.5/13

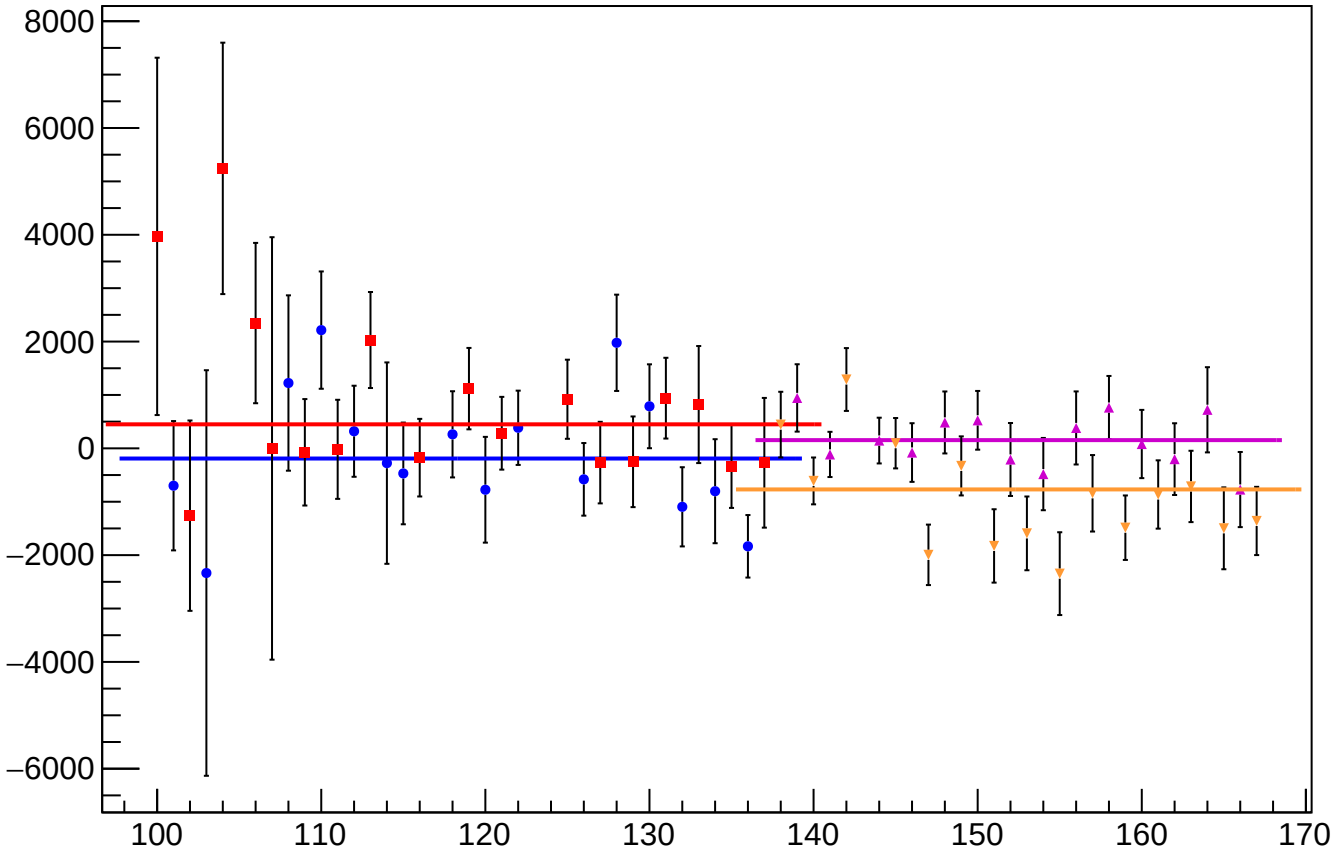
Left: 1130.352+/-0.165 χ^2/NDF: 5742.1/28

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1163.269+/-0.191 χ^2/NDF:351056.4/29

Out: 1173.736+/-0.191 χ^2/NDF:548768.4/32

All: 1168.492+/-0.135 χ^2/NDF: 901329.3/62



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -769.382+/-156.147 χ^2/NDF:36.1/14

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 153.960+/-156.753 χ^2/NDF:7.8/13

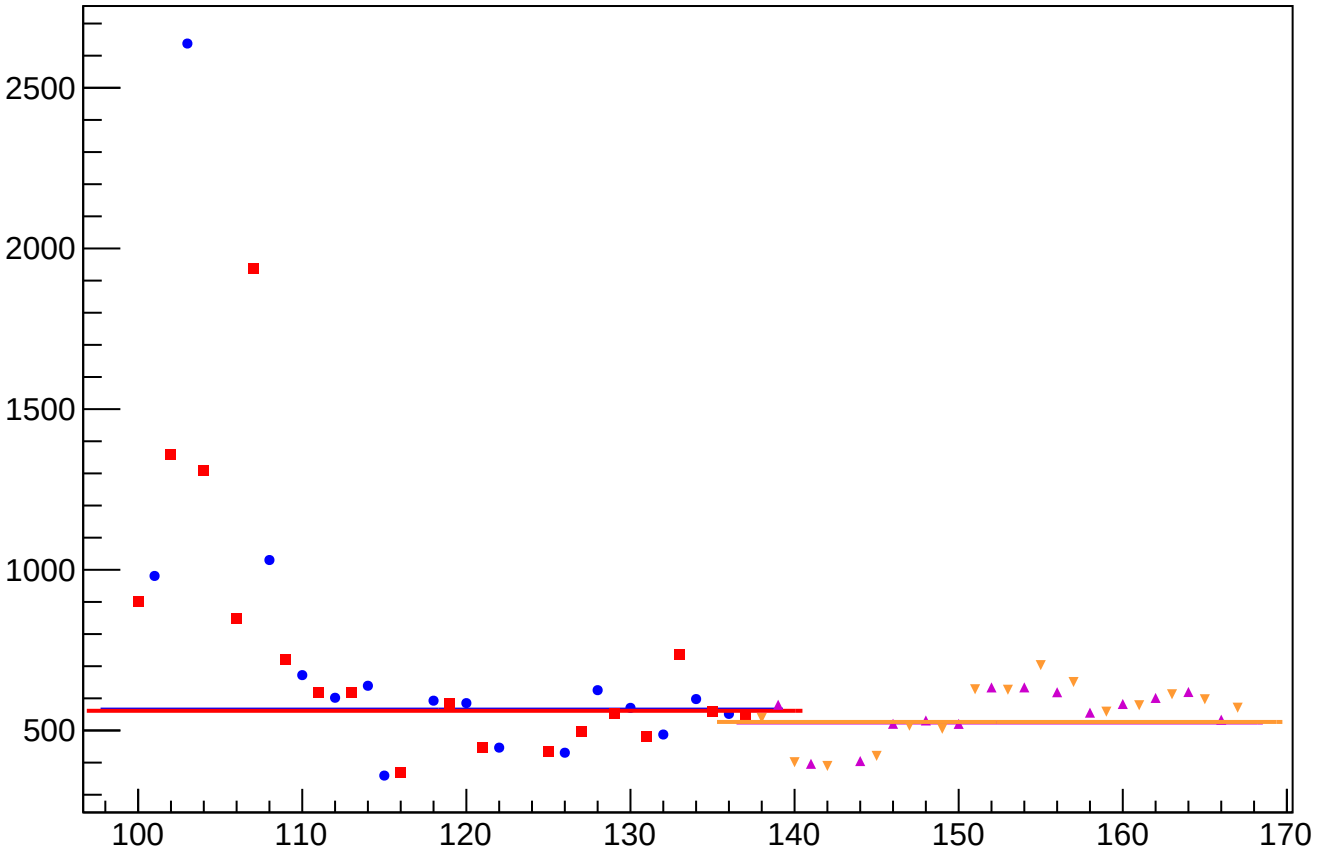
Left: -309.498+/-110.626 χ^2/NDF: 61.3/28

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 39.911+/-128.215 χ^2/NDF:34.6/29

Out: -368.753+/-127.946 χ^2/NDF:72.9/32

All: -164.850+/-90.567 χ^2/NDF: 112.7/62



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 526.558+/-0.110 χ^2/NDF:704993.4/14

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 524.795+/-0.111 χ^2/NDF:574164.8/13

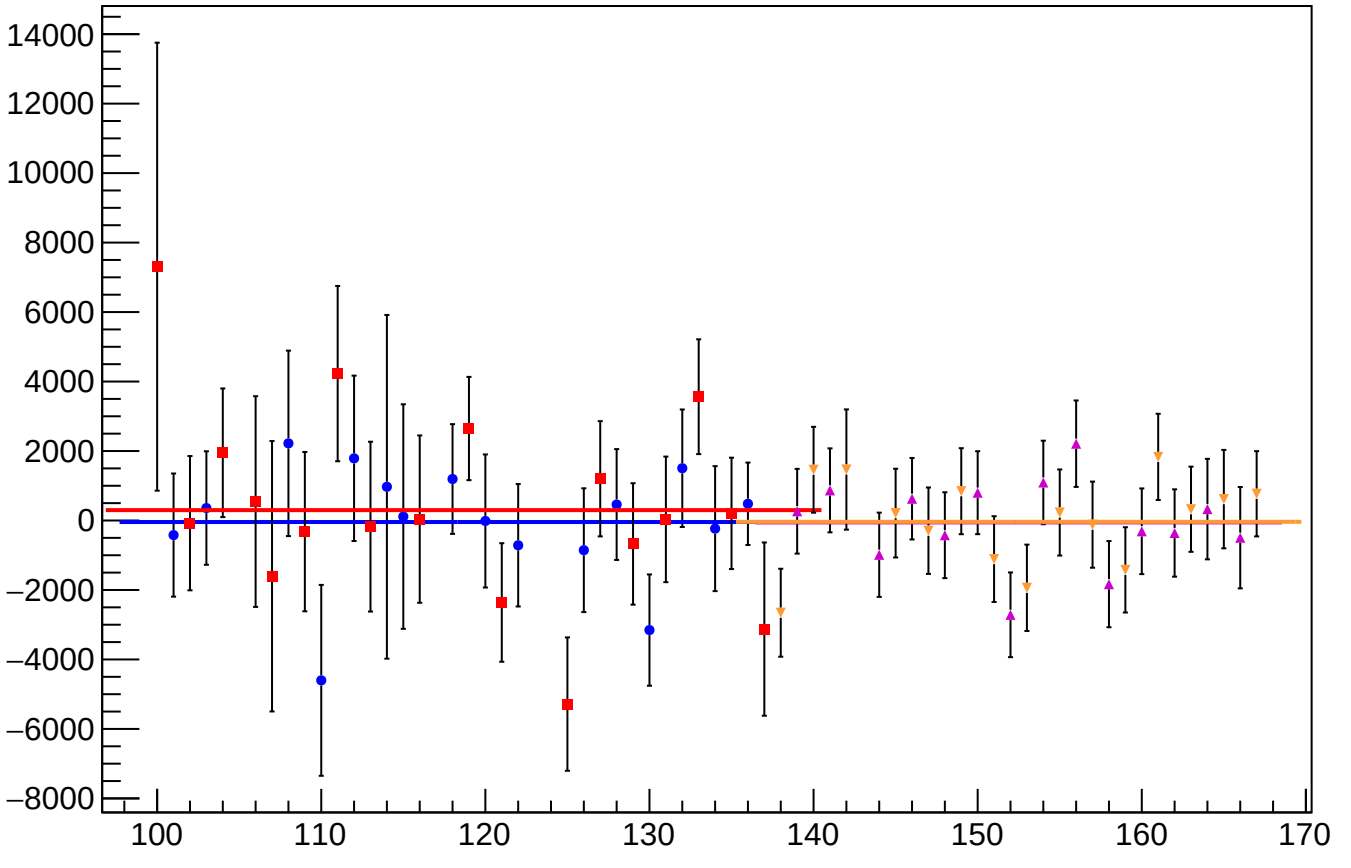
Left: 525.680+/-0.078 χ^2/NDF: 1279285.1/28

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 538.088+/-0.091 χ^2/NDF:1902099.0/29

Out: 537.955+/-0.090 χ^2/NDF:2089660.8/32

All: 538.021+/-0.064 χ^2/NDF: 3991760.9/62



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -37.884+/-328.425 χ^2/NDF:14.5/14

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -55.162+/-332.988 χ^2/NDF:13.5/13

Left: -46.403+/-233.828 χ^2/NDF: 28.0/28

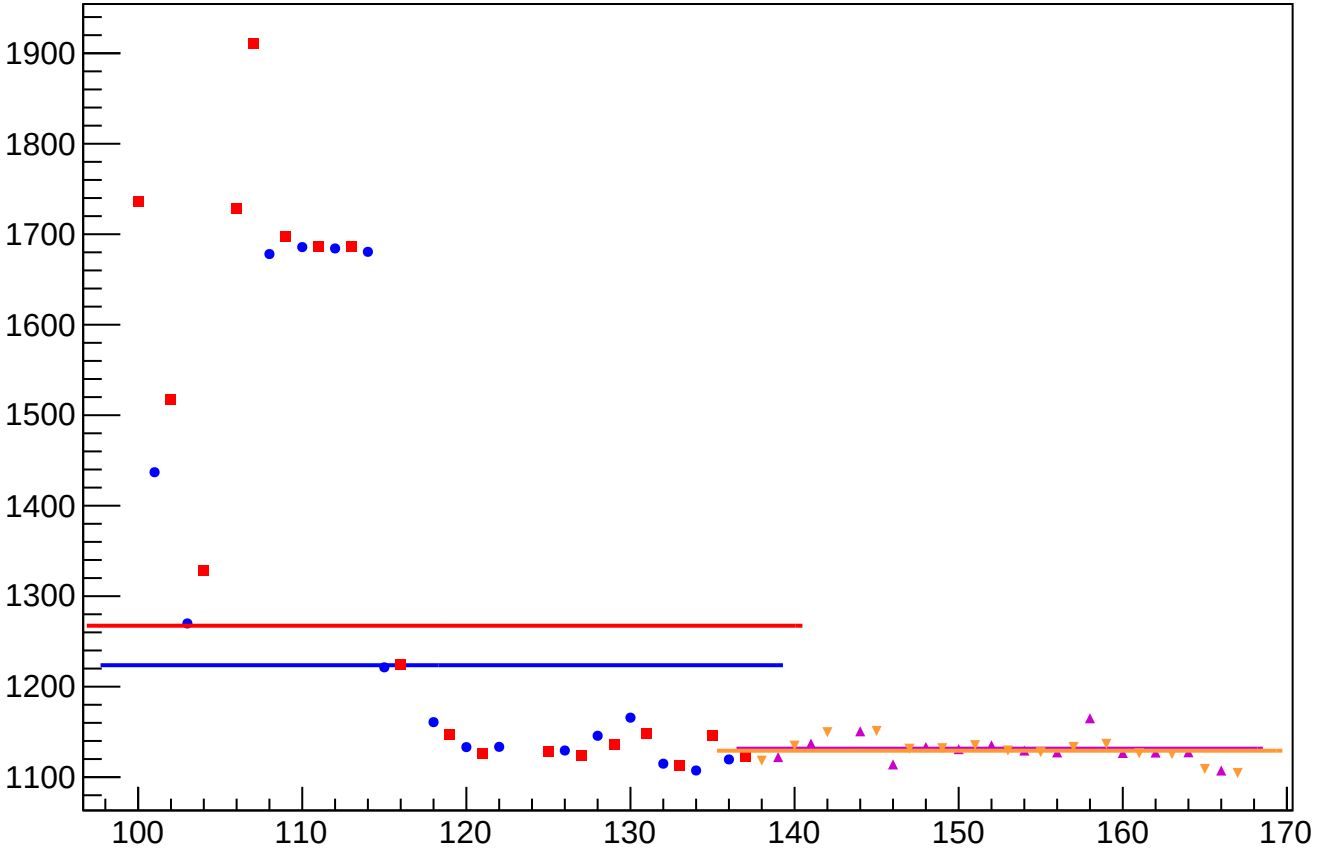
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -51.289+/-269.576 χ^2/NDF:23.6/29

Out: 70.724+/-270.198 χ^2/NDF:39.5/32

All: 9.577+/-190.839 χ^2/NDF: 63.1/62

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1129.244+/-0.232 χ^2/NDF:2459.5/14

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.492+/-0.235 χ^2/NDF:3236.5/13

Left: 1130.352+/-0.165 χ^2/NDF: 5742.1/28

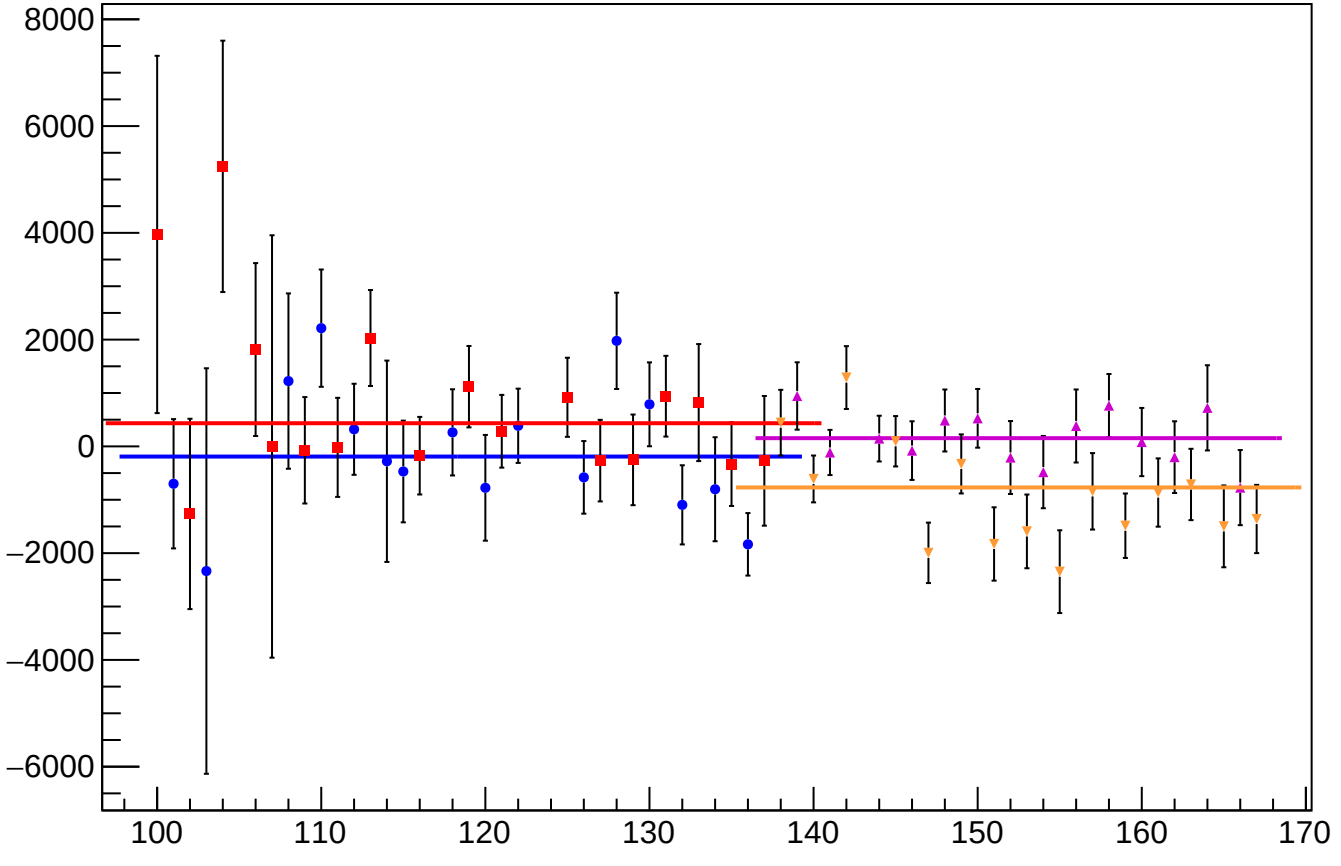
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1163.269+/-0.191 χ^2/NDF:351056.5/29

Out: 1173.877+/-0.191 χ^2/NDF:556747.7/32

All: 1168.561+/-0.135 χ^2/NDF: 909349.1/62

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -769.406+/-156.147 χ^2/NDF:36.1/14

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 153.950+/-156.753 χ^2/NDF:7.8/13

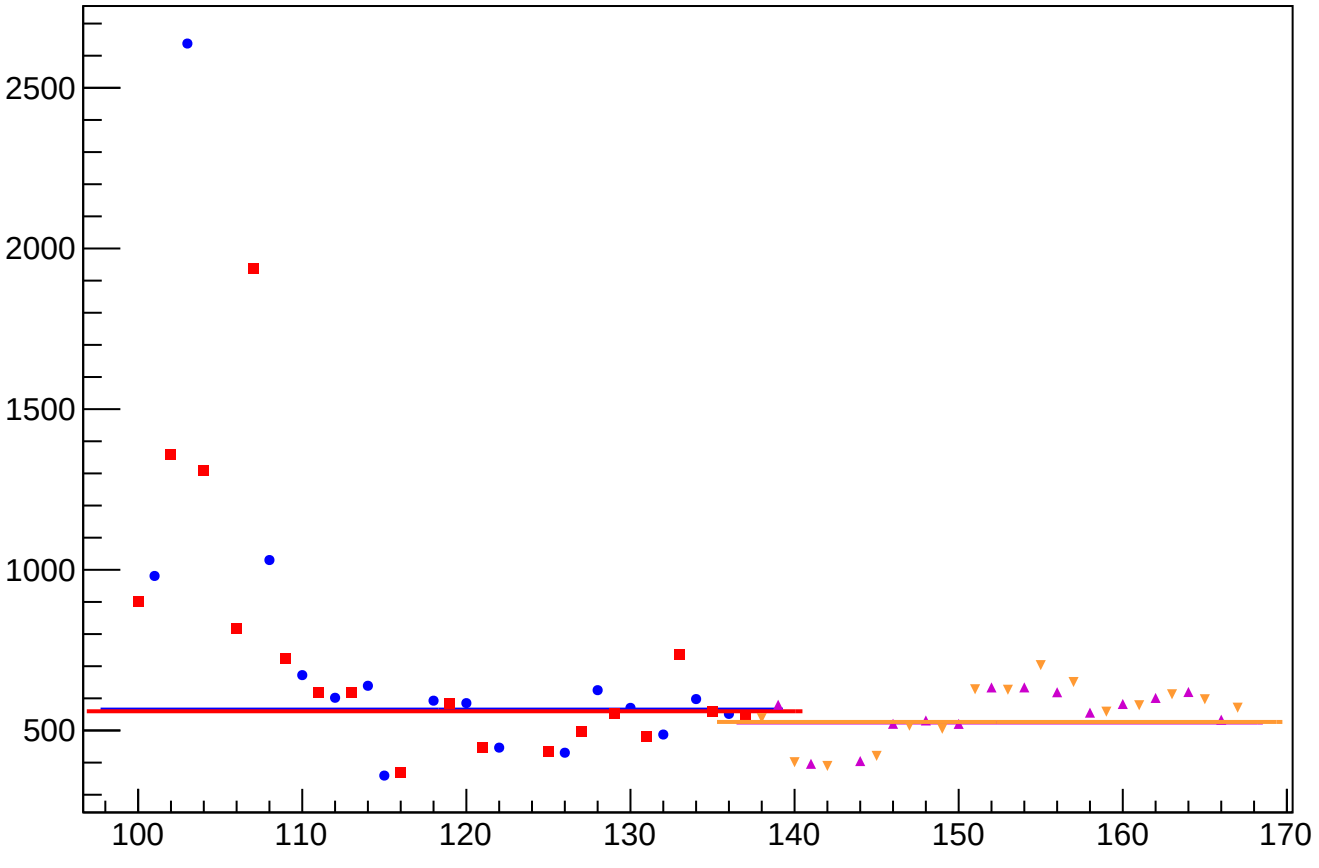
Left: -309.515+/-110.626 χ^2/NDF: 61.3/28

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 39.901+/-128.215 χ^2/NDF:34.7/29

Out: -374.836+/-128.011 χ^2/NDF:71.5/32

All: -167.798+/-90.589 χ^2/NDF: 111.4/62



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 526.557+/-0.110 χ^2/NDF:704981.6/14

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 524.796+/-0.111 χ^2/NDF:574124.7/13

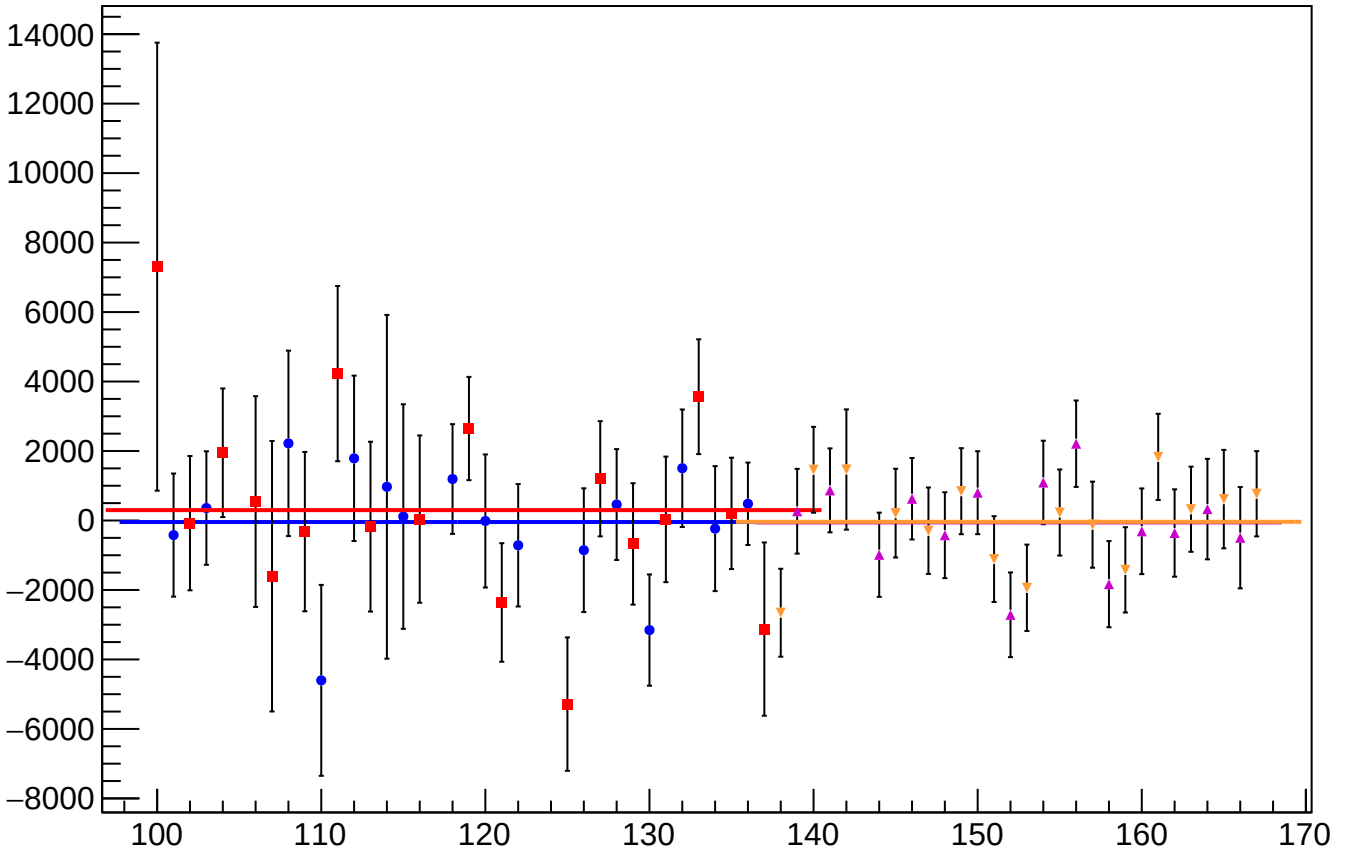
Left: 525.680+/-0.078 χ^2/NDF: 1279233.1/28

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 538.087+/-0.091 χ^2/NDF:1902025.7/29

Out: 537.444+/-0.091 χ^2/NDF:2063988.2/32

All: 537.765+/-0.064 χ^2/NDF: 3966039.1/62



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -37.884+/-328.425 χ^2/NDF:14.5/14

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -55.162+/-332.988 χ^2/NDF:13.5/13

Left: -46.403+/-233.828 χ^2/NDF: 28.0/28

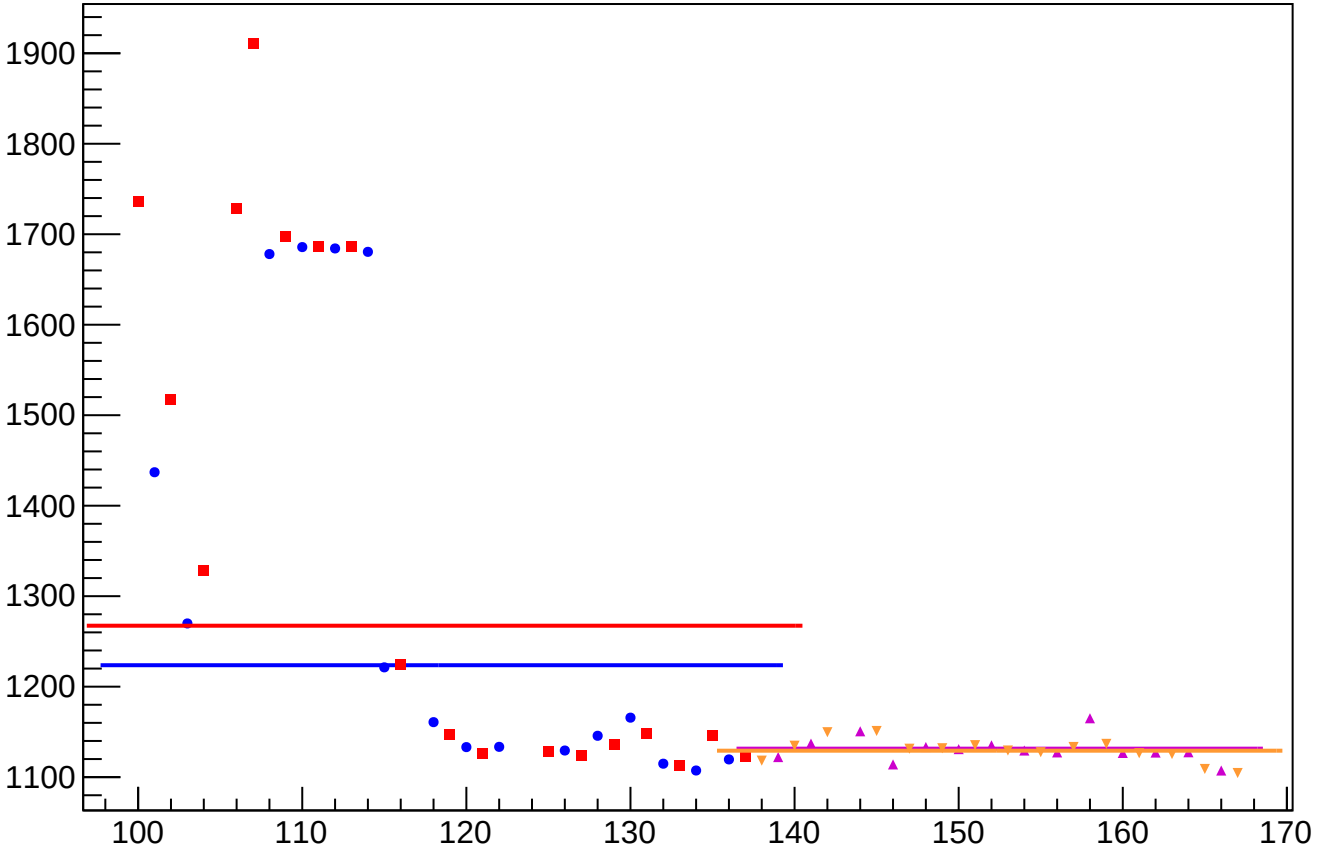
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -51.289+/-269.576 χ^2/NDF:23.6/29

Out: 70.724+/-270.198 χ^2/NDF:39.5/32

All: 9.577+/-190.839 χ^2/NDF: 63.1/62

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1129.244+/-0.232 χ^2/NDF:2459.5/14

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.492+/-0.235 χ^2/NDF:3236.5/13

Left: 1130.352+/-0.165 χ^2/NDF: 5742.1/28

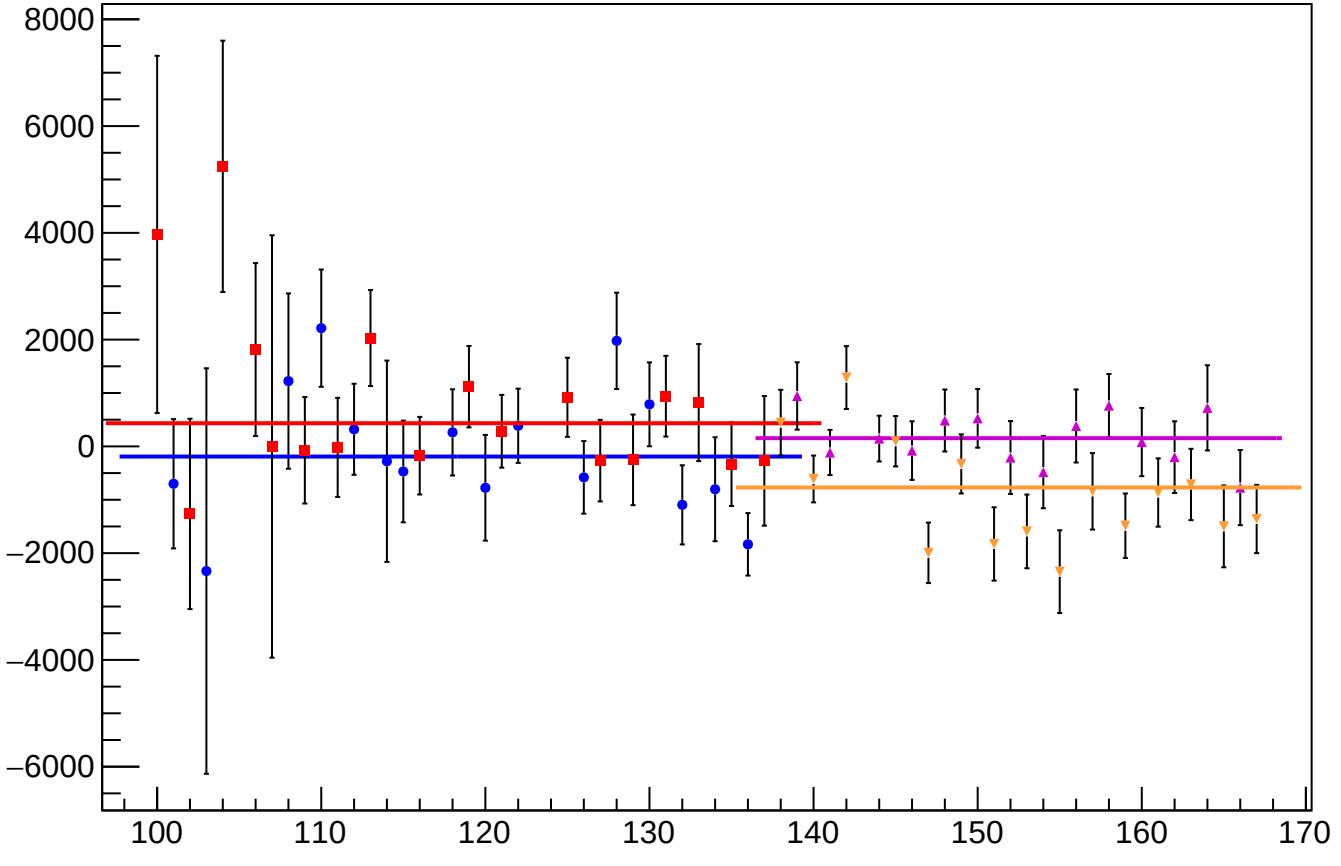
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1163.269+/-0.191 χ^2/NDF:351056.5/29

Out: 1173.877+/-0.191 χ^2/NDF:556747.7/32

All: 1168.561+/-0.135 χ^2/NDF: 909349.1/62

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -769.406+/-156.147 χ^2/NDF:36.1/14

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 153.950+/-156.753 χ^2/NDF:7.8/13

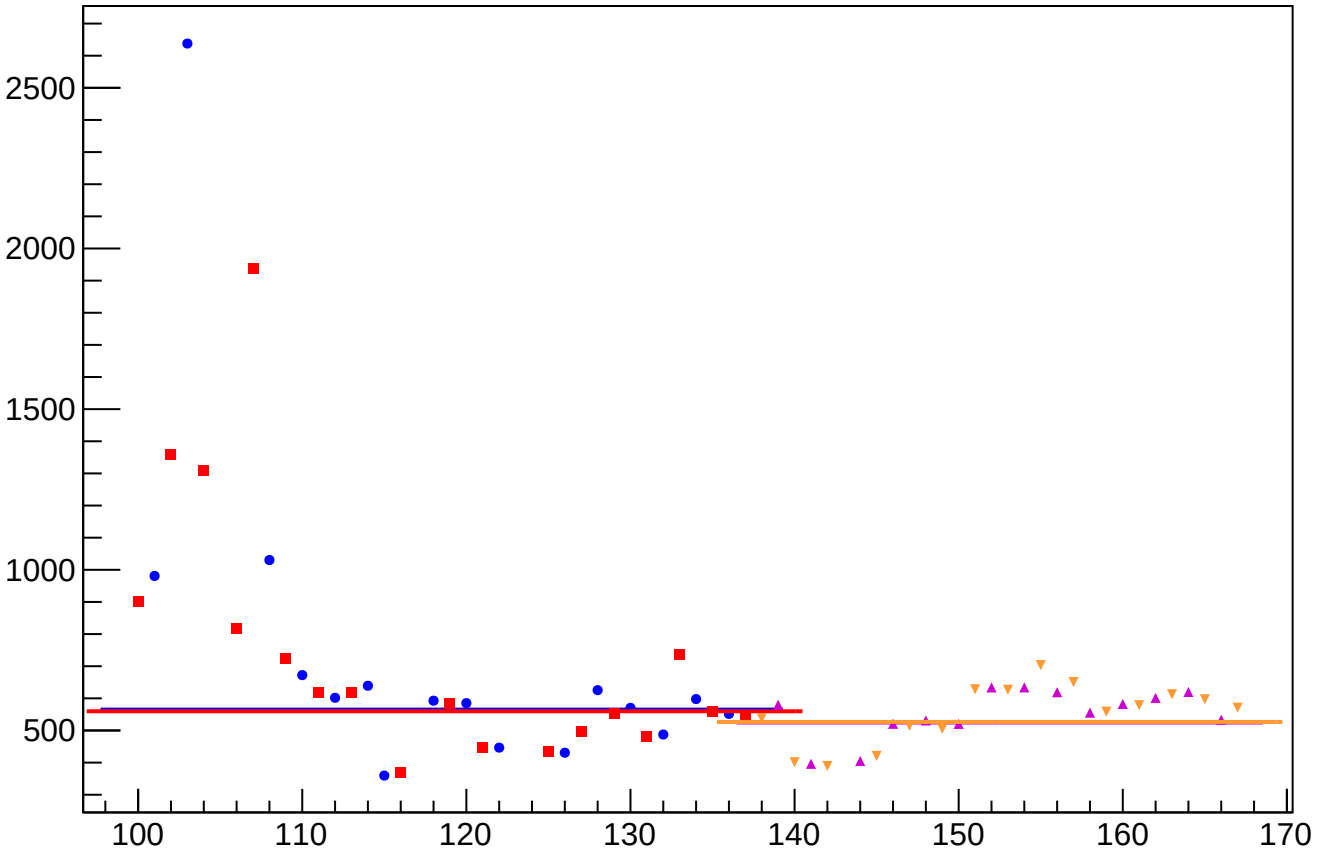
Left: -309.515+/-110.626 χ^2/NDF: 61.3/28

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 39.901+/-128.215 χ^2/NDF:34.7/29

Out: -374.836+/-128.011 χ^2/NDF:71.5/32

All: -167.798+/-90.589 χ^2/NDF: 111.4/62



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 526.557+/-0.110 χ^2/NDF:704981.6/14

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 524.796+/-0.111 χ^2/NDF:574124.7/13

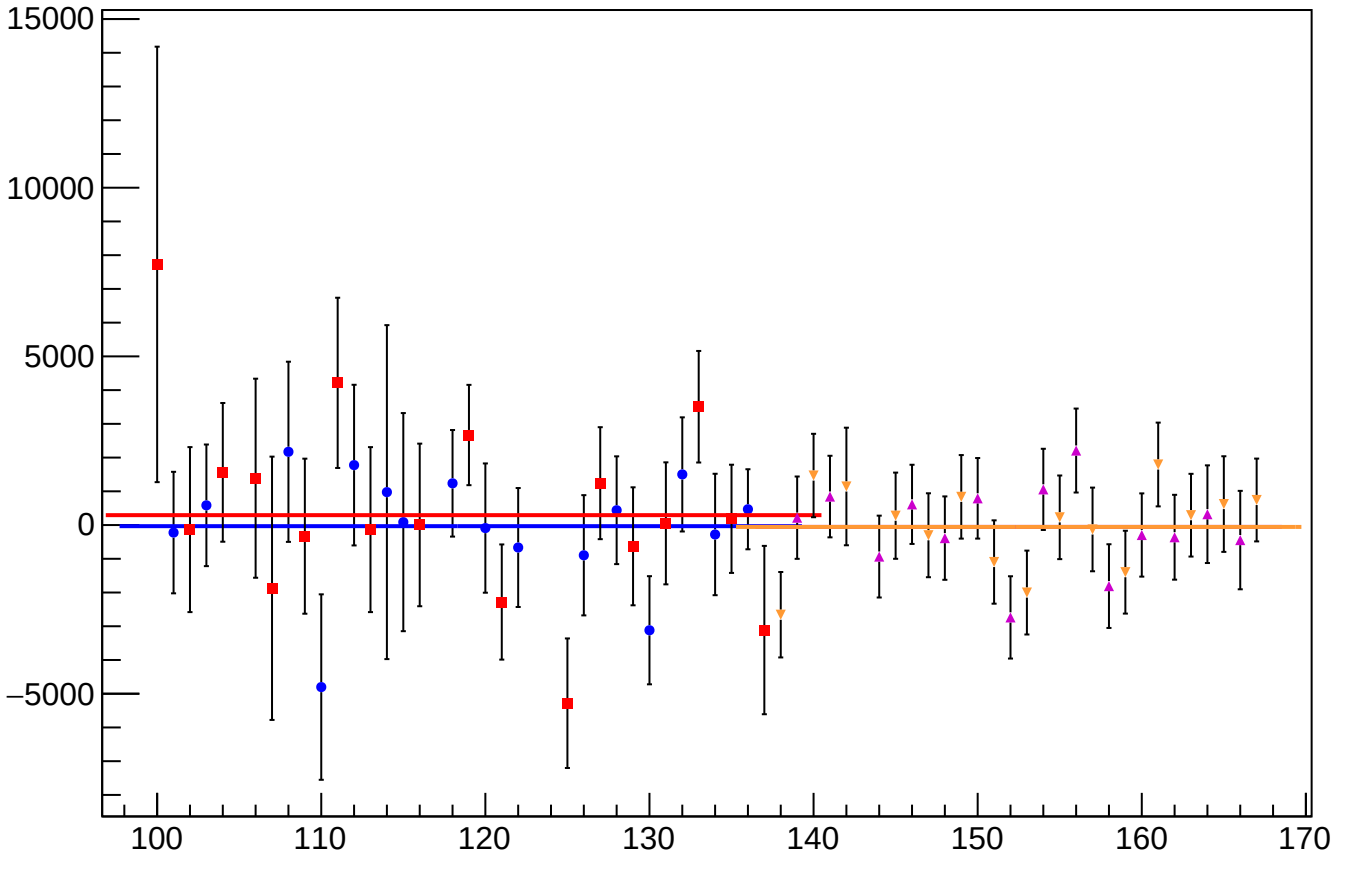
Left: 525.680+/-0.078 χ^2/NDF: 1279233.1/28

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 538.087+/-0.091 χ^2/NDF:1902025.7/29

Out: 537.444+/-0.091 χ^2/NDF:2063988.2/32

All: 537.765+/-0.064 χ^2/NDF: 3966039.1/62



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -55.477+/-328.637 χ^2/NDF:14.2/14

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -55.411+/-333.121 χ^2/NDF:13.3/13

Left: -55.445+/-233.951 χ^2/NDF: 27.5/28

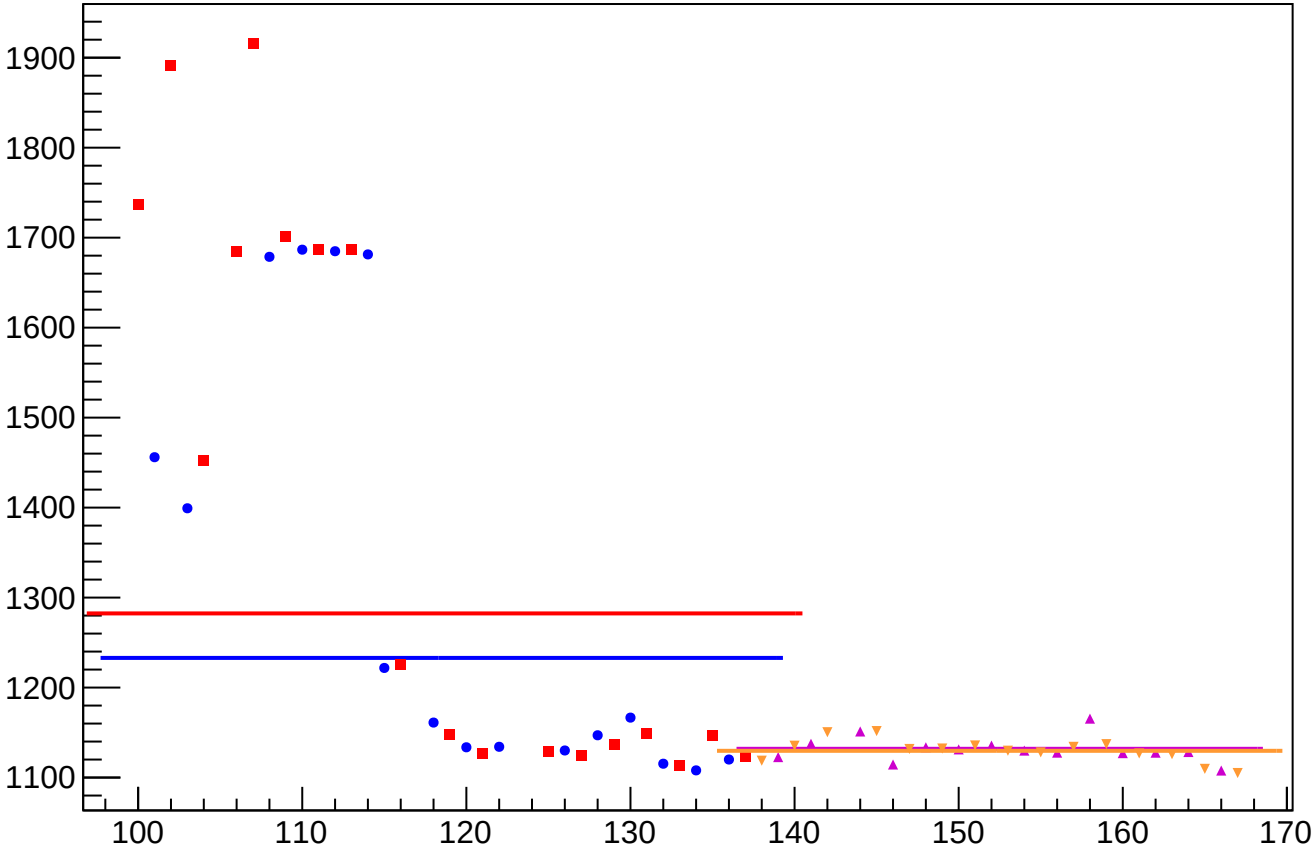
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -47.793+/-270.448 χ^2/NDF:23.5/29

Out: 54.659+/-271.856 χ^2/NDF:38.8/32

All: 3.167+/-191.732 χ^2/NDF: 62.4/62

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1129.709+/-0.232 χ^2/NDF:2462.8/14

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1131.944+/-0.236 χ^2/NDF:3228.6/13

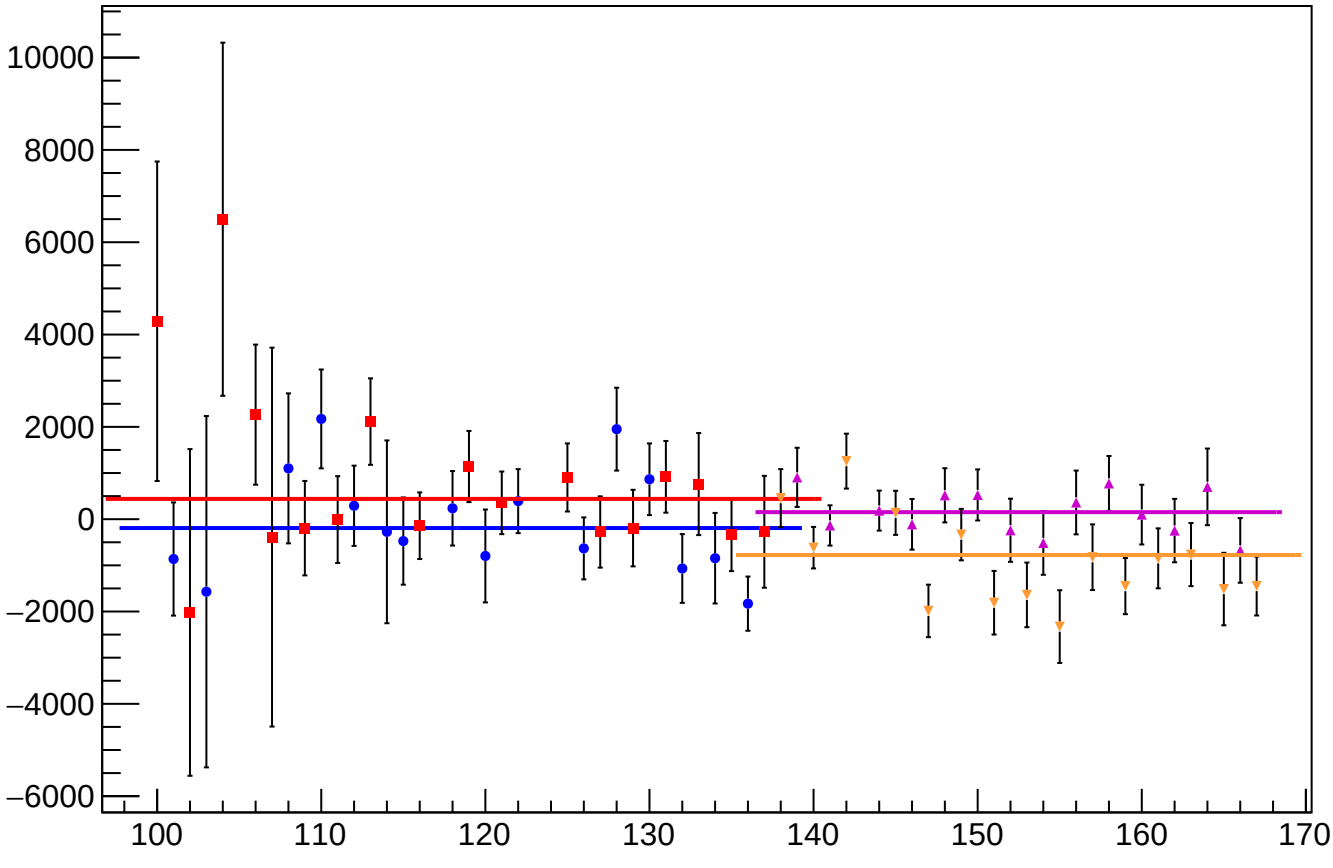
Left: 1130.811+/-0.165 χ^2/NDF: 5737.0/28

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1166.380+/-0.191 χ^2/NDF:381397.2/29

Out: 1177.916+/-0.192 χ^2/NDF:682180.2/32

All: 1172.118+/-0.136 χ^2/NDF: 1065387.6/62



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -776.026+/-158.036 χ^2/NDF:35.4/14

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 152.506+/-158.787 χ^2/NDF:7.5/13

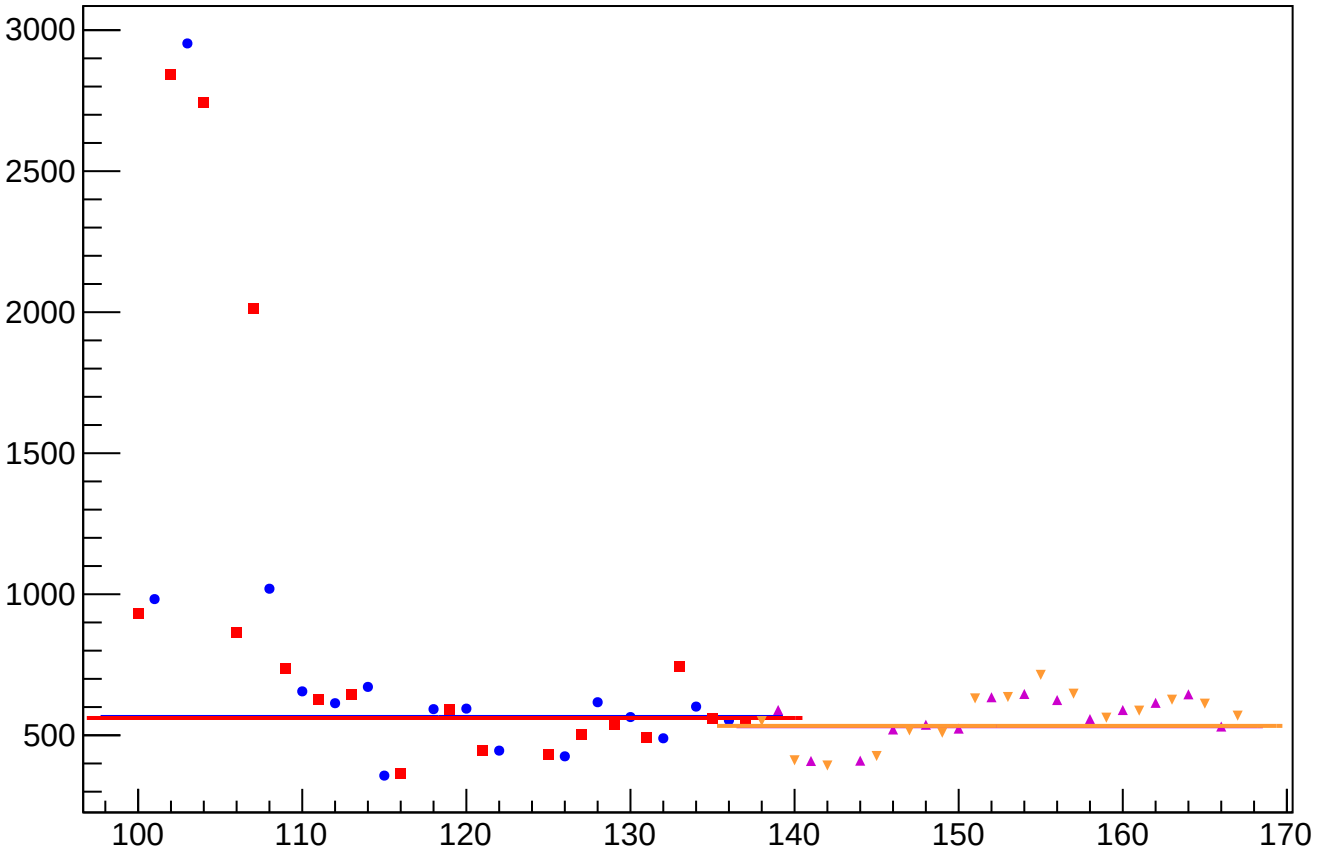
Left: -313.962+/-112.013 χ^2/NDF: 60.1/28

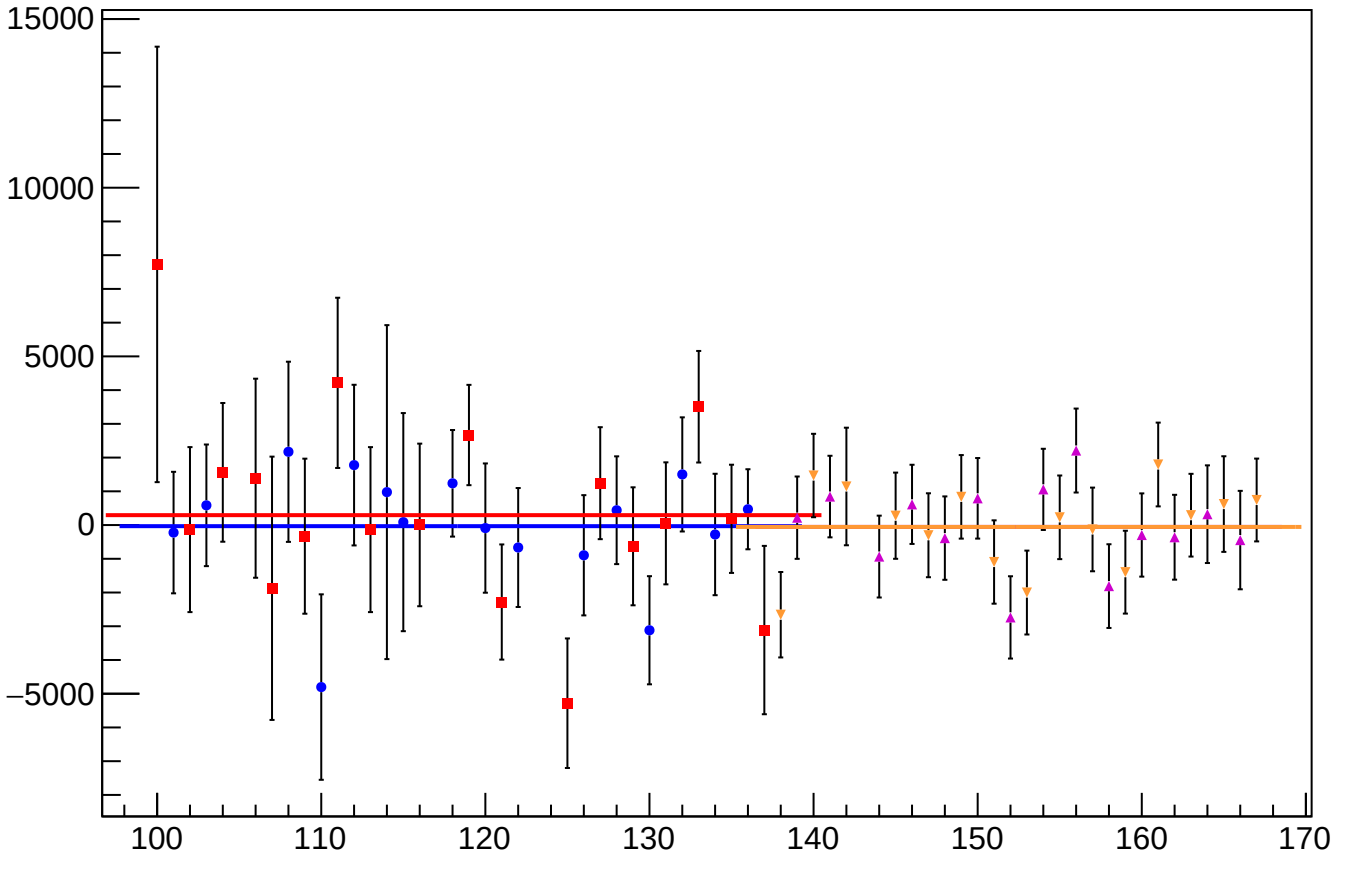
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 36.598+/-129.301 χ^2/NDF:34.4/29

Out: -378.232+/-129.625 χ^2/NDF:69.4/32

All: -170.298+/-91.544 χ^2/NDF: 108.9/62


asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 564.871+/-0.158 χ²/NDF: 1480375.5/15
Left Out: 533.255+/-0.112 χ²/NDF:687424.8/14
Right Out: 561.273+/-0.160 χ²/NDF: 2273371.7/17
Left In: 531.988+/-0.112 χ²/NDF:557508.3/13
Left: 532.624+/-0.079 χ²/NDF: 1244997.1/28
Right: 563.103+/-0.112 χ²/NDF: 3754003.6/33
In: 543.067+/-0.091 χ²/NDF:2066780.6/29
Out: 542.423+/-0.092 χ²/NDF:2981368.0/32
All: 542.746+/-0.065 χ²/NDF: 5048173.3/62



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -55.479+/-328.637 χ^2/NDF:14.2/14

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -55.411+/-333.121 χ^2/NDF:13.3/13

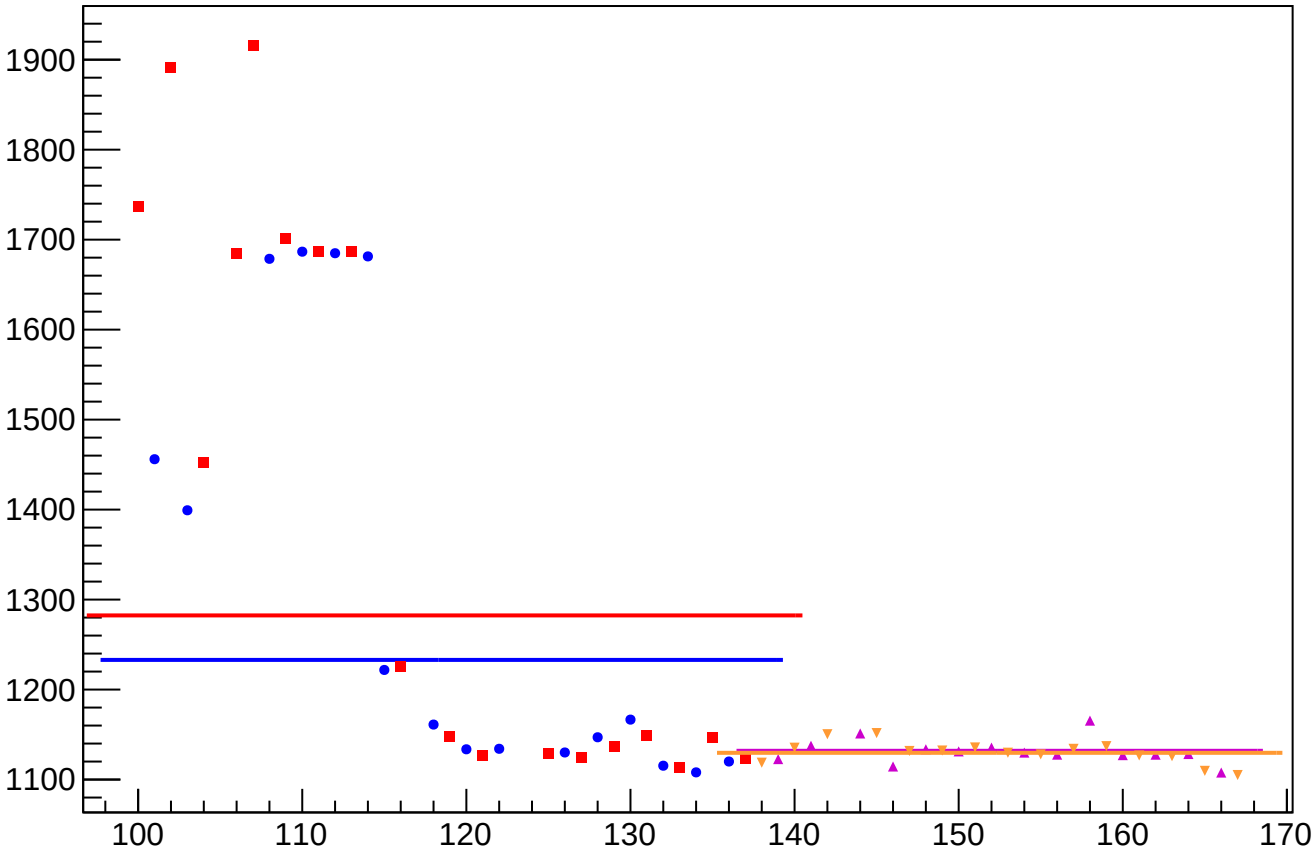
Left: -55.445+/-233.951 χ^2/NDF: 27.5/28

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -47.792+/-270.448 χ^2/NDF:23.5/29

Out: 54.658+/-271.856 χ^2/NDF:38.8/32

All: 3.167+/-191.732 χ^2/NDF: 62.4/62



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1129.709+/-0.232 χ^2/NDF:2462.8/14

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.944+/-0.236 χ^2/NDF:3228.6/13

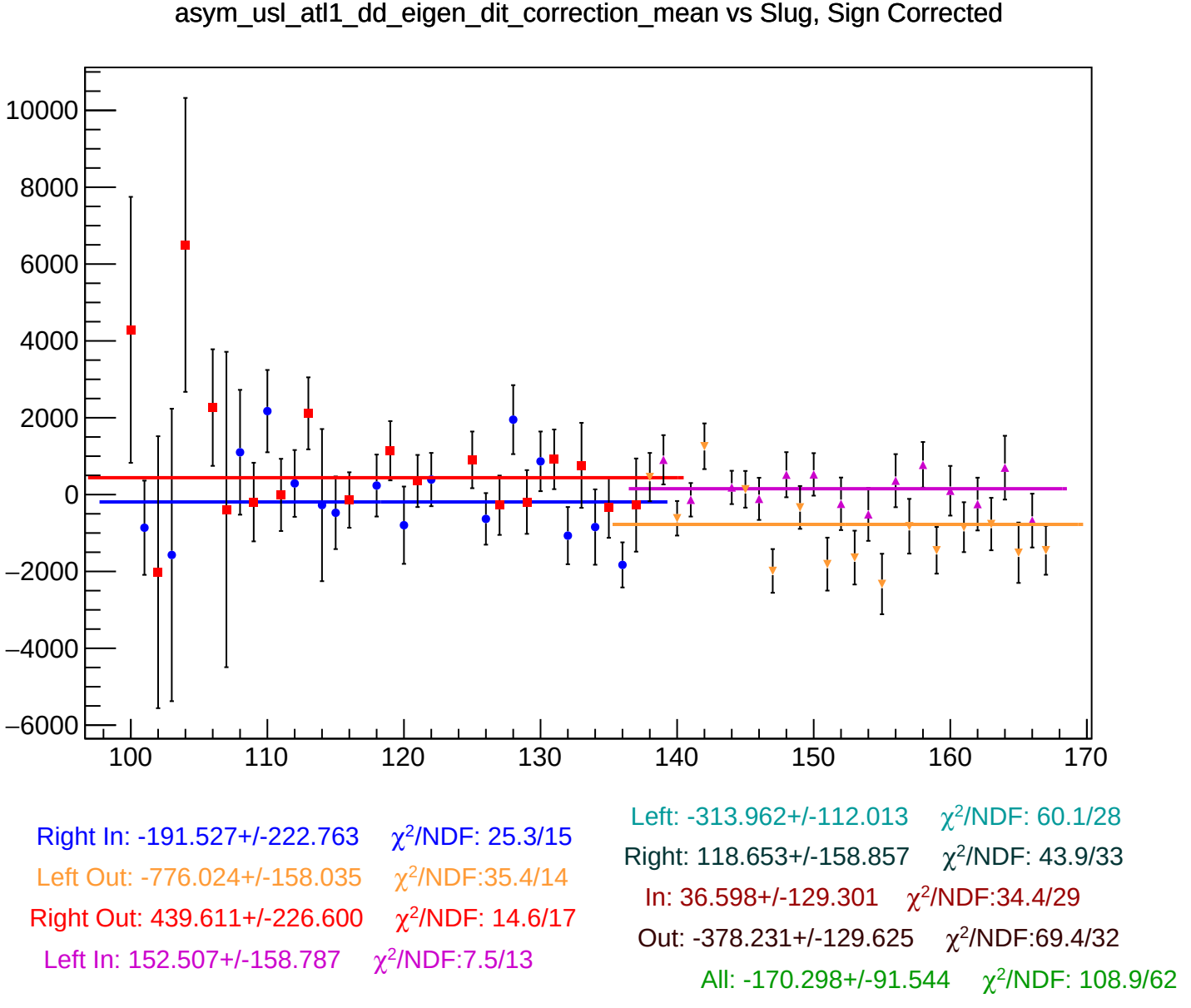
Left: 1130.811+/-0.165 χ^2/NDF: 5737.0/28

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

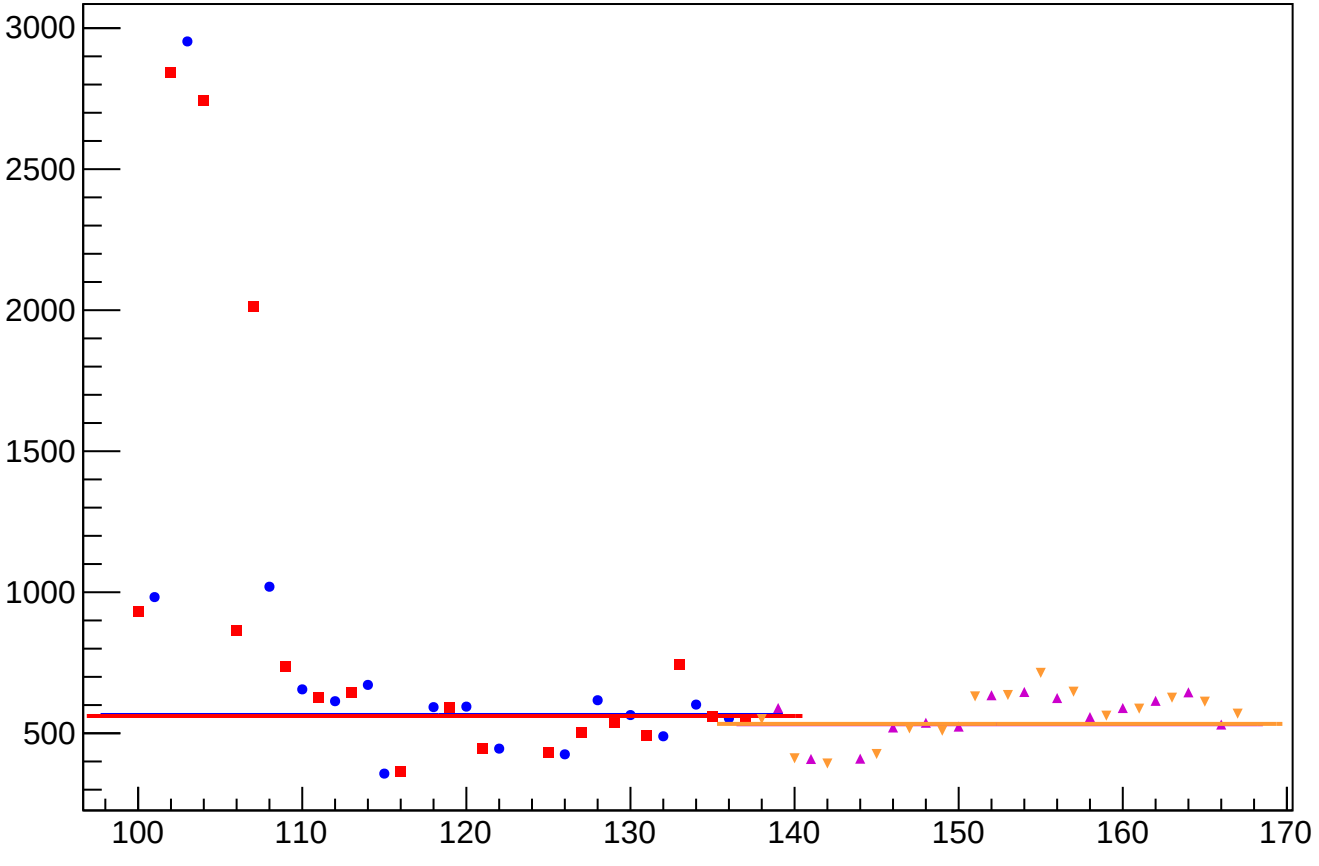
In: 1166.380+/-0.191 χ^2/NDF:381396.7/29

Out: 1177.916+/-0.192 χ^2/NDF:682179.5/32

All: 1172.118+/-0.136 χ^2/NDF: 1065386.4/62


asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -191.527+/-222.763 χ²/NDF: 25.3/15
Left Out: -776.024+/-158.035 χ²/NDF:35.4/14
Right Out: 439.611+/-226.600 χ²/NDF: 14.6/17
Left In: 152.507+/-158.787 χ²/NDF:7.5/13
Left: -313.962+/-112.013 χ²/NDF: 60.1/28
Right: 118.653+/-158.857 χ²/NDF: 43.9/33
In: 36.598+/-129.301 χ²/NDF:34.4/29
Out: -378.231+/-129.625 χ²/NDF:69.4/32
All: -170.298+/-91.544 χ²/NDF: 108.9/62

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 533.254+/-0.112 χ^2/NDF:687443.7/14

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 531.987+/-0.112 χ^2/NDF:557520.3/13

Left: 532.624+/-0.079 χ^2/NDF: 1245027.9/28

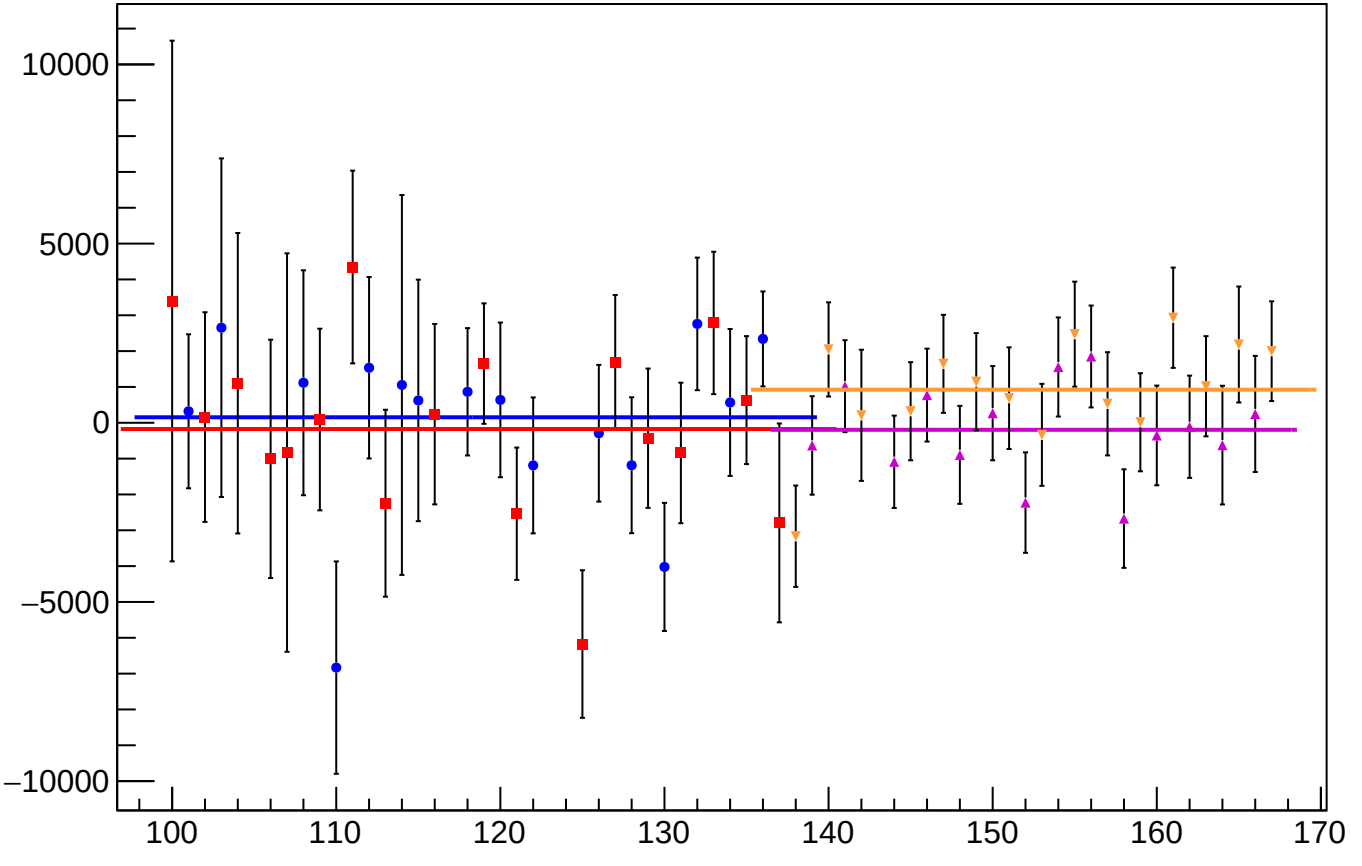
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 543.066+/-0.091 χ^2/NDF:2066790.9/29

Out: 542.423+/-0.092 χ^2/NDF:2981388.5/32

All: 542.745+/-0.065 χ^2/NDF: 5048204.2/62

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 923.274+/-368.057 χ^2/NDF:15.4/14

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -196.127+/-371.225 χ^2/NDF:11.6/13

Left: 368.370+/-261.369 χ^2/NDF: 31.6/28

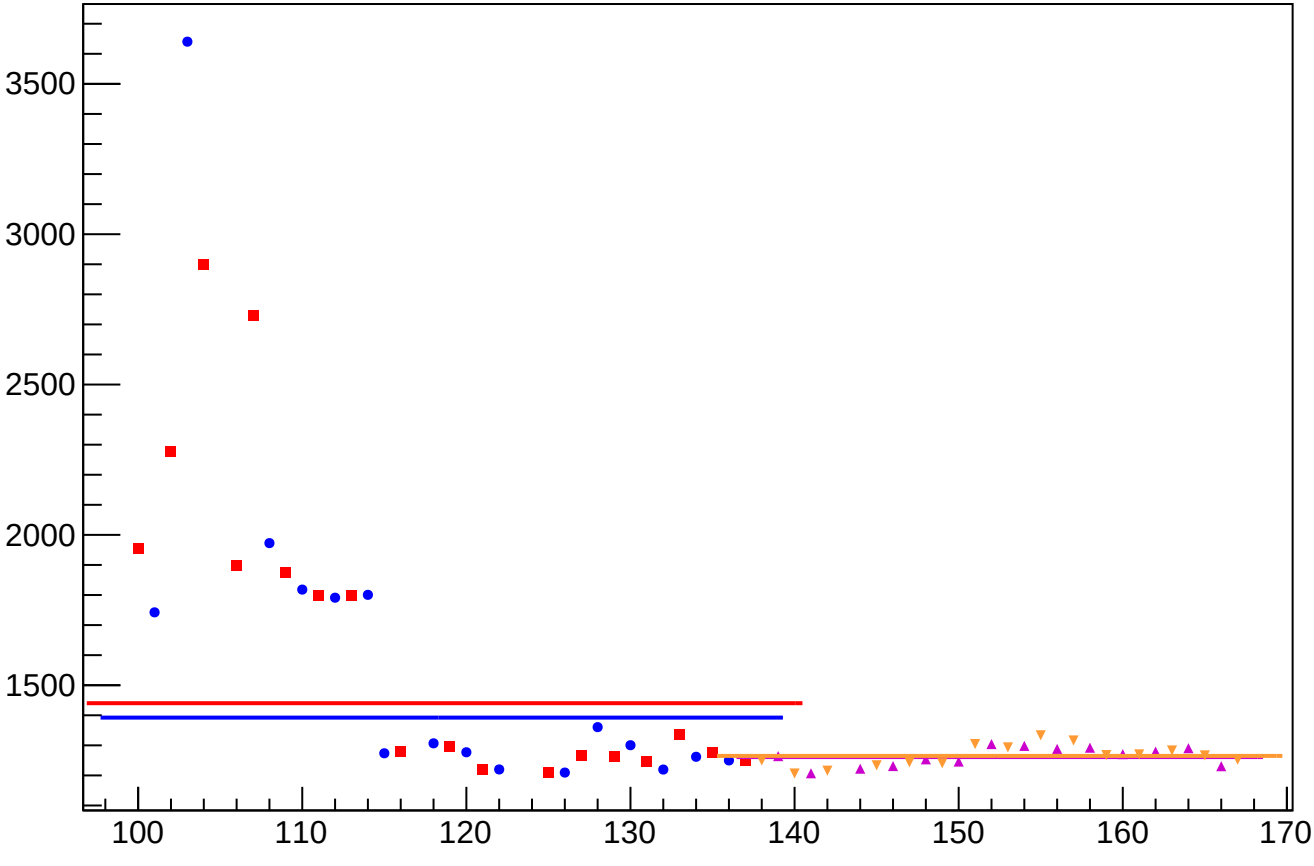
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -81.705+/-304.453 χ^2/NDF:29.7/29

Out: 583.911+/-305.911 χ^2/NDF:37.9/32

All: 249.513+/-215.794 χ^2/NDF: 69.9/62

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1264.919+/-0.260 χ^2/NDF:17602.3/14

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1261.049+/-0.262 χ^2/NDF:13587.5/13

Left: 1263.001+/-0.185 χ^2/NDF: 31299.4/28

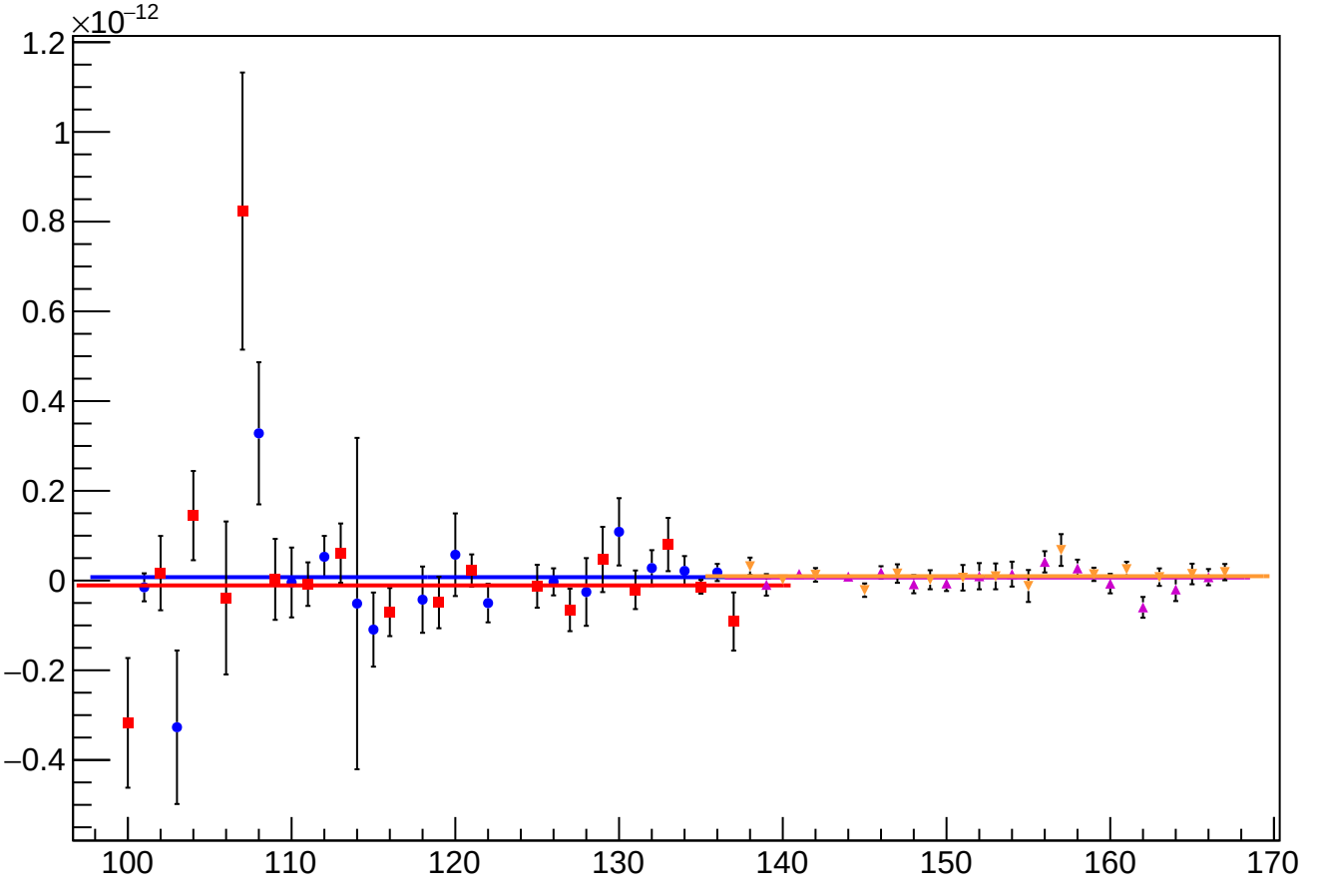
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1304.019+/-0.215 χ^2/NDF:874676.5/29

Out: 1319.121+/-0.216 χ^2/NDF:1012769.6/32

All: 1311.534+/-0.153 χ^2/NDF: 1889895.0/62

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:16.1/13

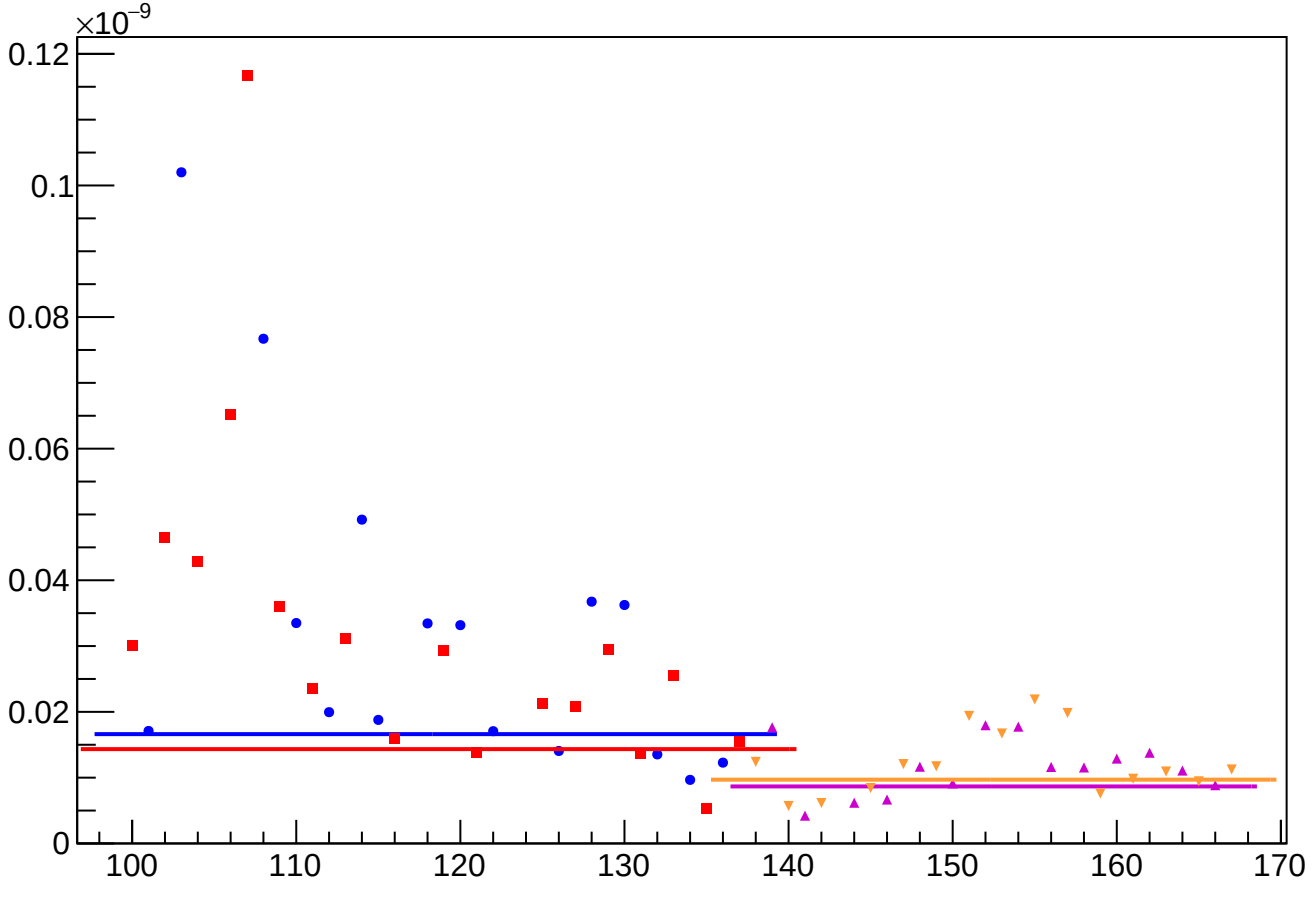
Left: 0.000+/-0.000 χ^2/NDF: 27.0/28

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:33.0/29

Out: 0.000+/-0.000 χ^2/NDF:37.8/32

All: 0.000+/-0.000 χ^2/NDF: 70.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1278393.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1608334.4/13

Left: 0.000+/-0.000 χ^2/NDF: 2935768.4/28

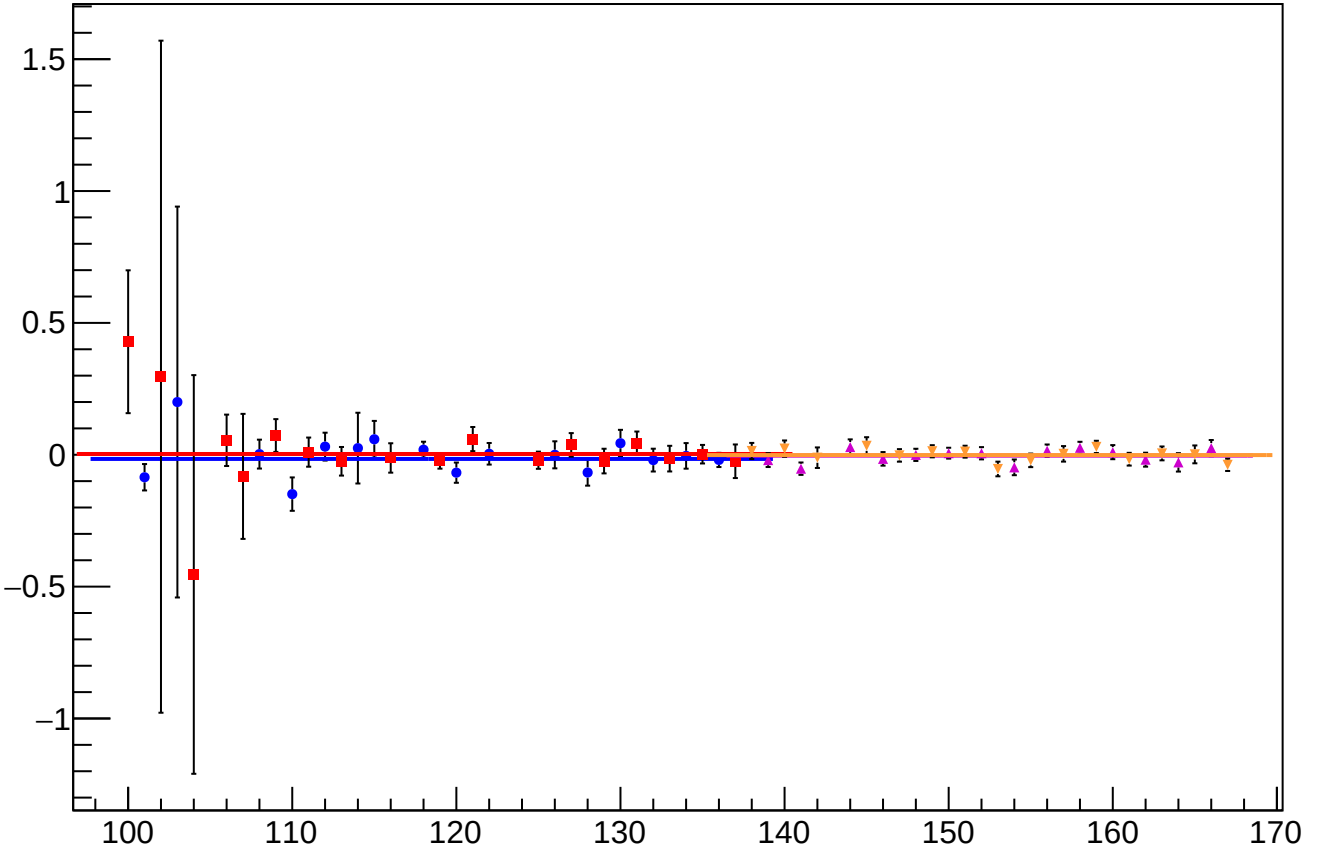
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4092191.8/29

Out: 0.000+/-0.000 χ^2/NDF:3855134.8/32

All: 0.000+/-0.000 χ^2/NDF: 7969242.6/62

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.001+/-0.007 χ^2/NDF:11.8/14

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:13.3/13

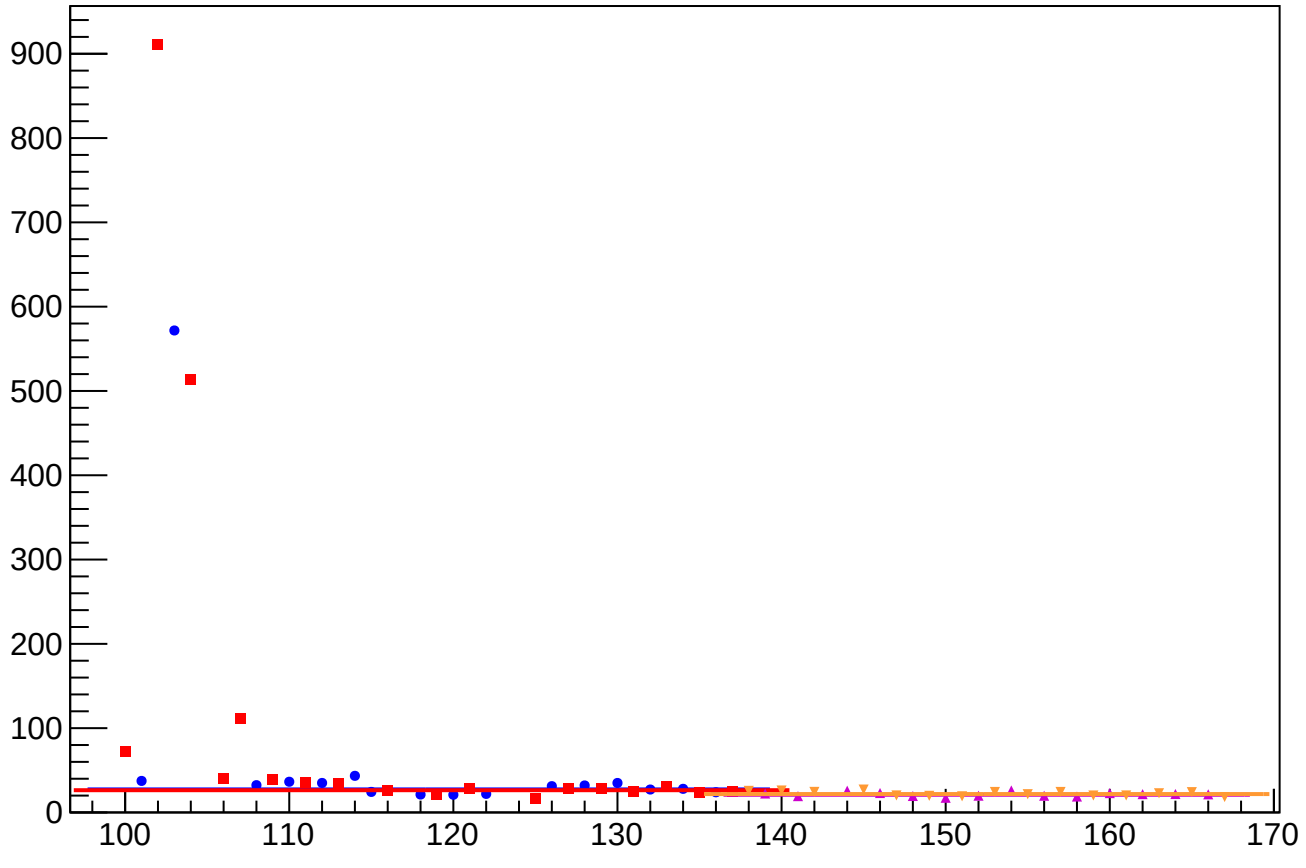
Left: -0.002+/-0.005 χ^2/NDF: 25.2/28

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.007+/-0.006 χ^2/NDF:28.8/29

Out: -0.000+/-0.006 χ^2/NDF:21.8/32

All: -0.003+/-0.004 χ^2/NDF: 51.1/62



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.801+/-0.005 χ^2/NDF:291982.2/14

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.984+/-0.005 χ^2/NDF:250884.5/13

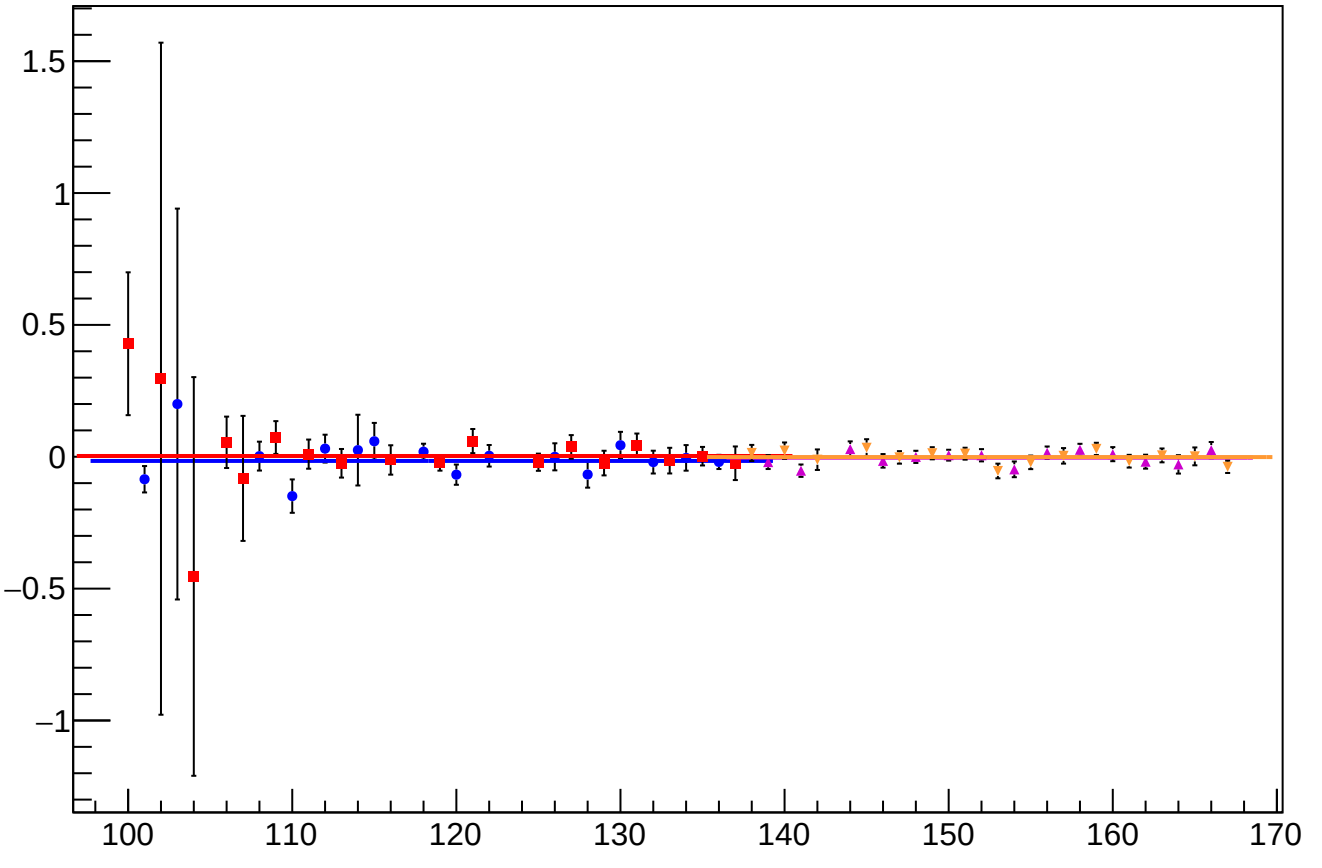
Left: 21.386+/-0.003 χ^2/NDF: 557089.3/28

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.609+/-0.004 χ^2/NDF:2263530.1/29

Out: 22.941+/-0.004 χ^2/NDF:3126823.8/32

All: 22.771+/-0.003 χ^2/NDF: 5393495.1/62



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.001+/-0.007 χ^2/NDF:11.8/14

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:13.3/13

Left: -0.002+/-0.005 χ^2/NDF: 25.2/28

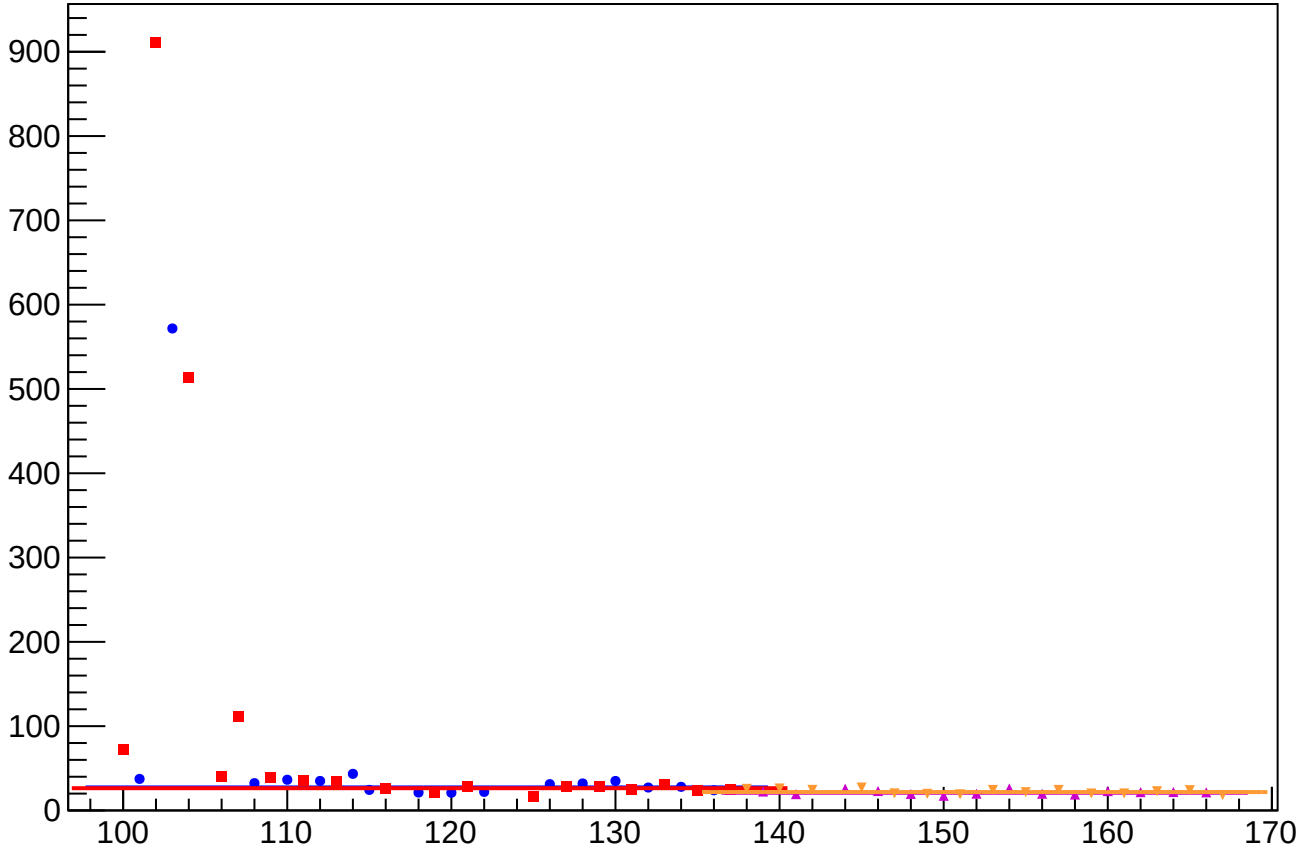
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.007+/-0.006 χ^2/NDF:28.8/29

Out: -0.000+/-0.006 χ^2/NDF:21.8/32

All: -0.003+/-0.004 χ^2/NDF: 51.1/62

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.801+/-0.005 χ^2/NDF:291982.2/14

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.984+/-0.005 χ^2/NDF:250884.5/13

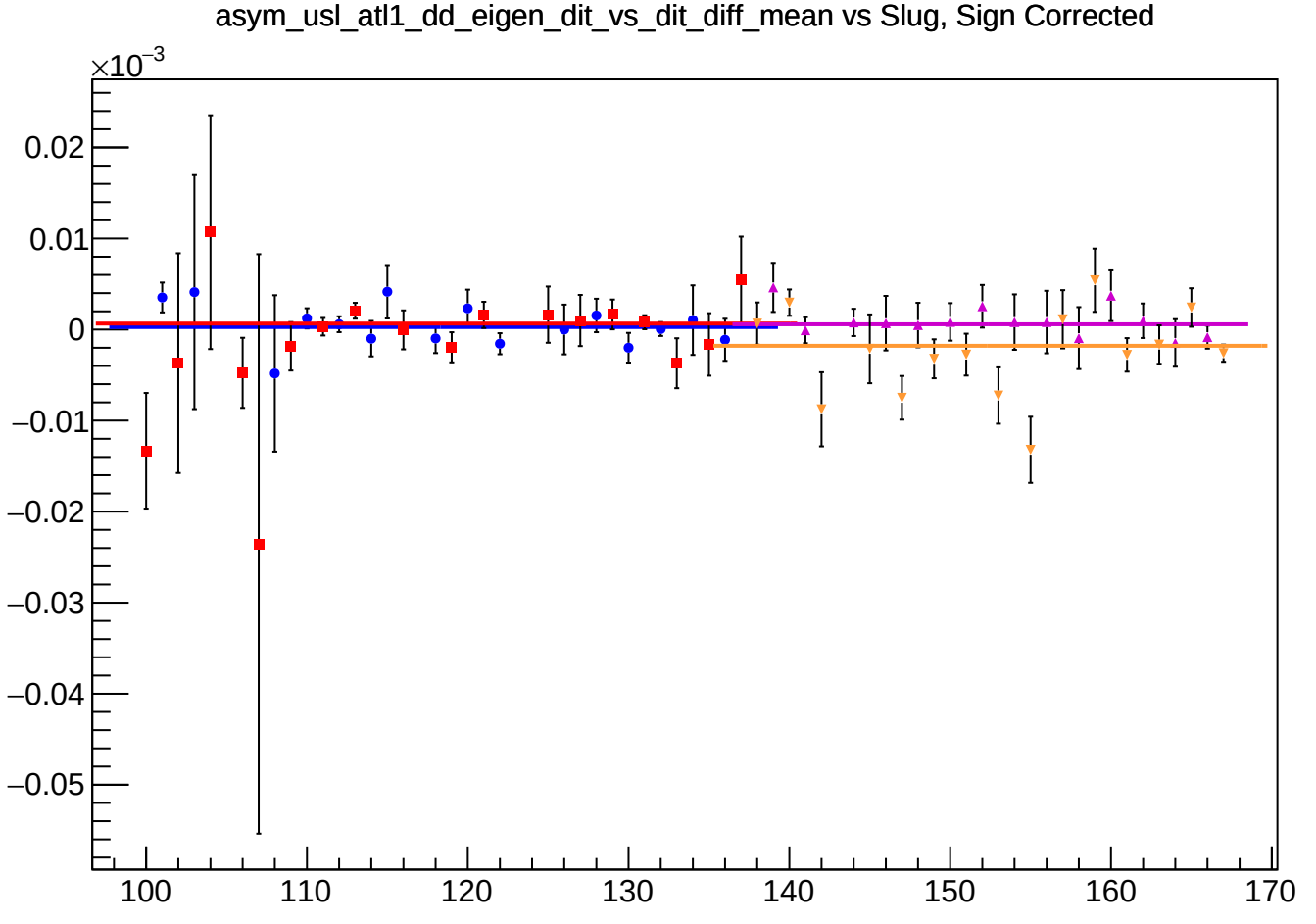
Left: 21.386+/-0.003 χ^2/NDF: 557089.3/28

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

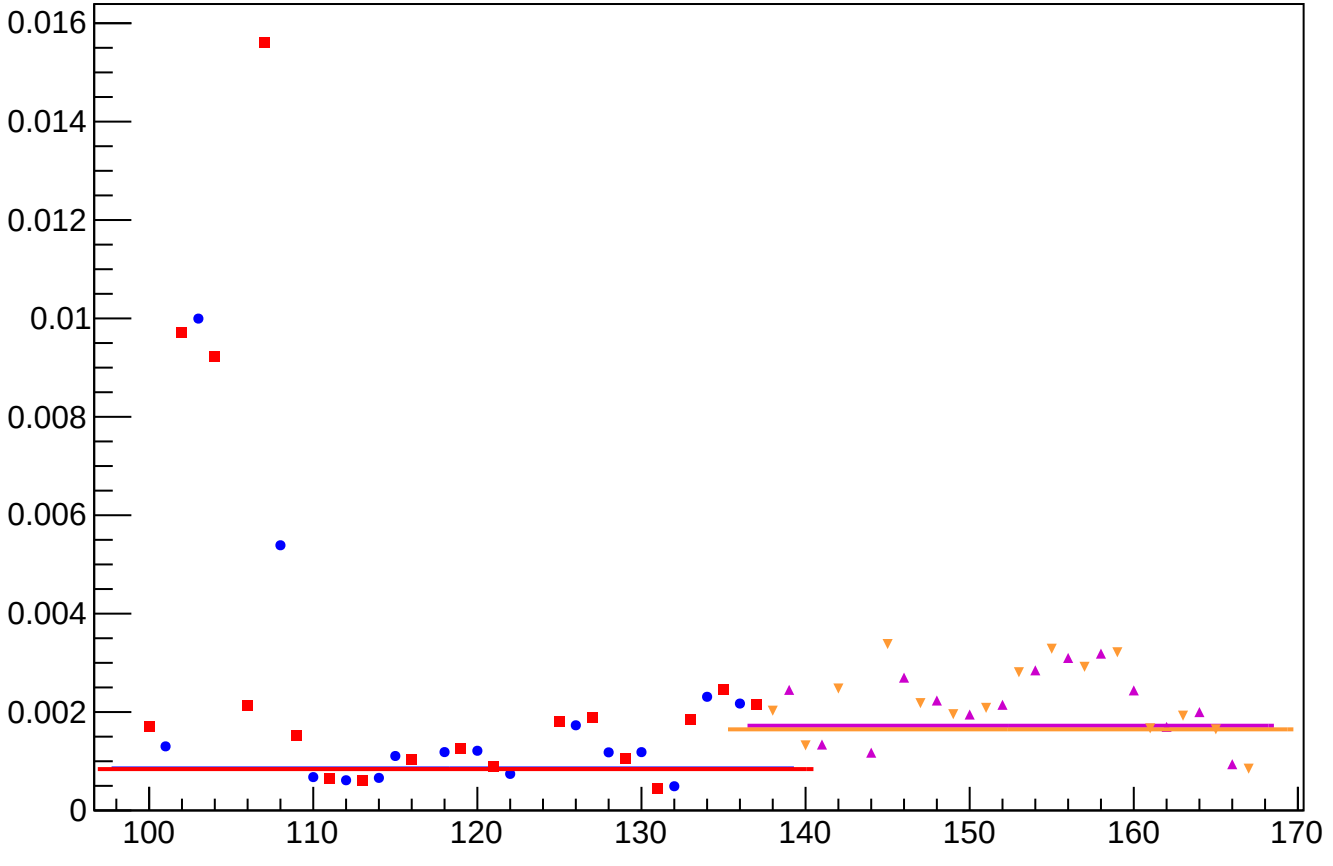
In: 22.609+/-0.004 χ^2/NDF:2263530.1/29

Out: 22.941+/-0.004 χ^2/NDF:3126823.8/32

All: 22.771+/-0.003 χ^2/NDF: 5393495.1/62


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:44.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 19.3/17
Left In: 0.000+/-0.000 χ²/NDF:6.6/13
Left: -0.000+/-0.000 χ²/NDF: 60.3/28
Right: 0.000+/-0.000 χ²/NDF: 34.2/33
In: 0.000+/-0.000 χ²/NDF:21.2/29
Out: -0.000+/-0.000 χ²/NDF:77.2/32
All: 0.000+/-0.000 χ²/NDF: 100.2/62

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:3750162.3/14

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2833641.1/13

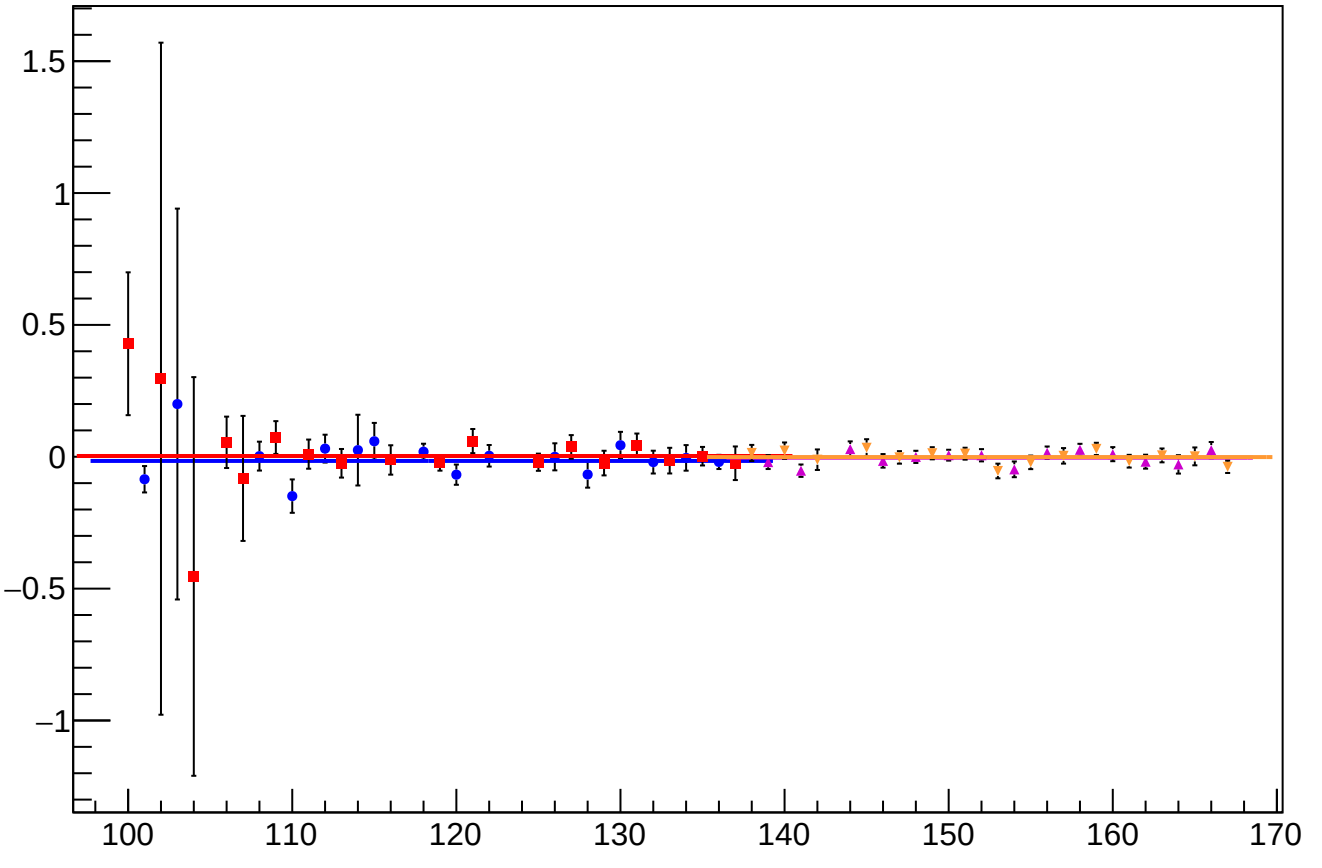
Left: 0.002+/-0.000 χ^2/NDF: 6602277.8/28

Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10040123.2/29

Out: 0.001+/-0.000 χ^2/NDF:11776204.0/32

All: 0.001+/-0.000 χ^2/NDF: 21817184.7/62



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.001+/-0.007 χ^2/NDF:11.8/14

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:13.3/13

Left: -0.002+/-0.005 χ^2/NDF: 25.2/28

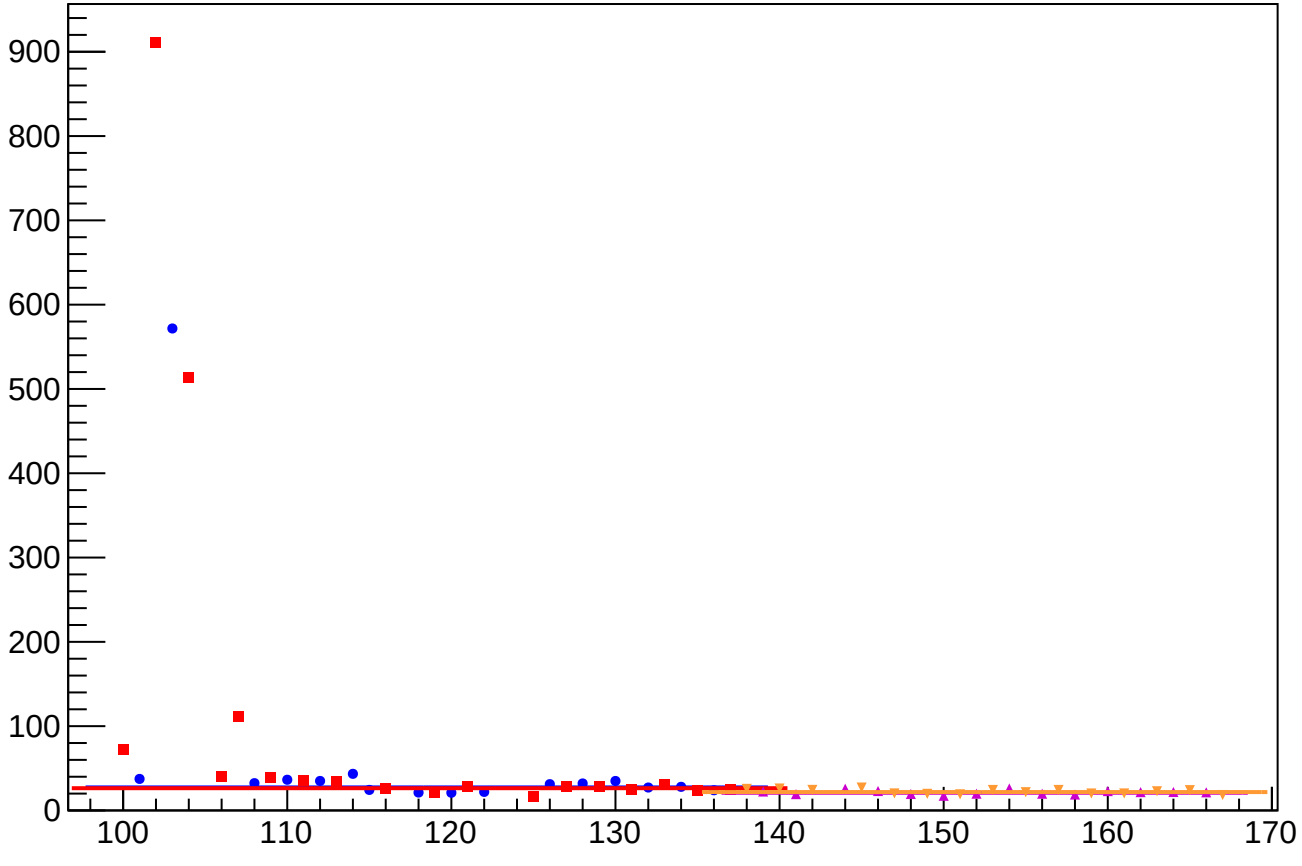
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.007+/-0.006 χ^2/NDF:28.8/29

Out: -0.000+/-0.006 χ^2/NDF:21.8/32

All: -0.003+/-0.004 χ^2/NDF: 51.1/62

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.801+/-0.005 χ^2/NDF:291961.3/14

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.984+/-0.005 χ^2/NDF:250902.4/13

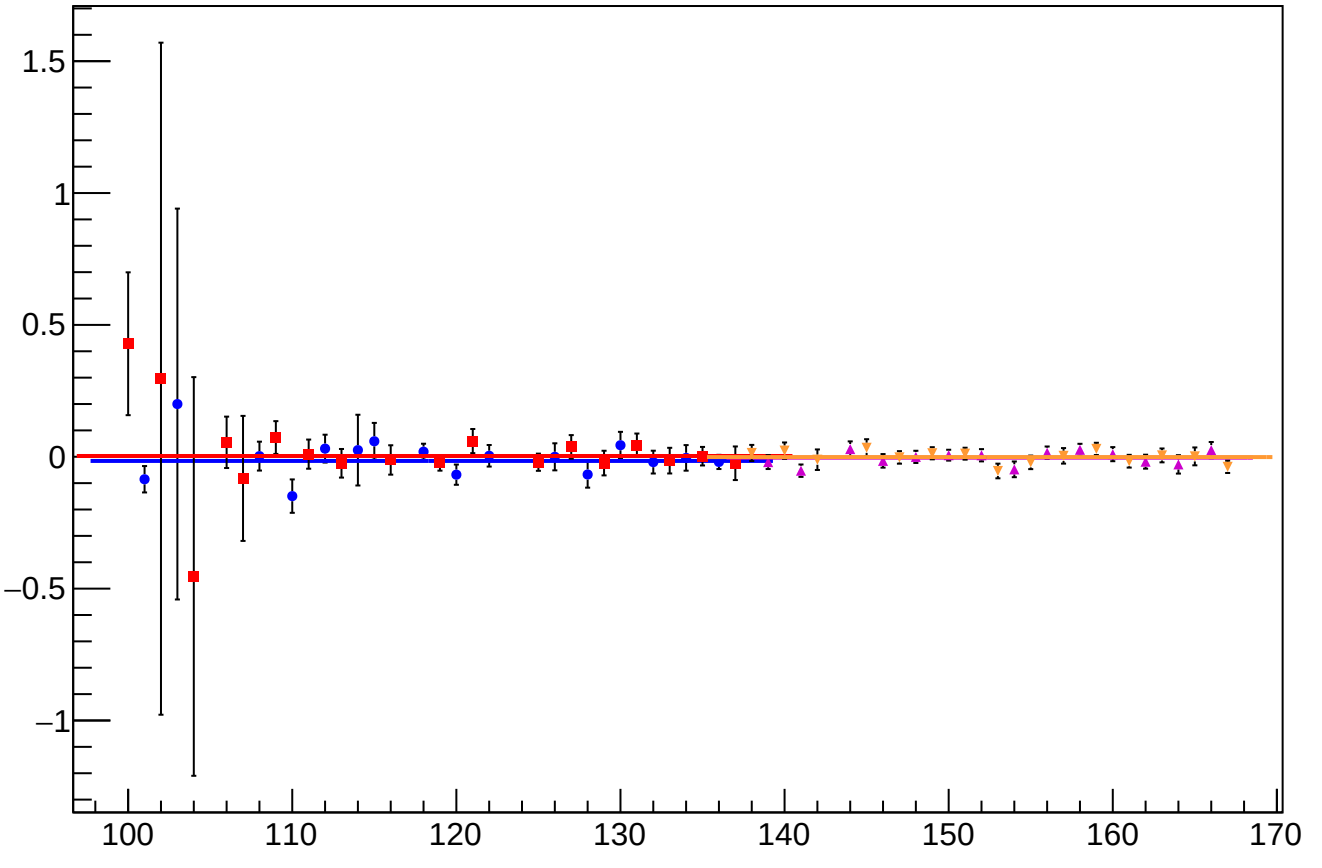
Left: 21.386+/-0.003 χ^2/NDF: 557083.3/28

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.609+/-0.004 χ^2/NDF:2263542.8/29

Out: 22.941+/-0.004 χ^2/NDF:3126829.3/32

All: 22.771+/-0.003 χ^2/NDF: 5393512.1/62



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.001+/-0.007 χ^2/NDF:11.8/14

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:13.3/13

Left: -0.002+/-0.005 χ^2/NDF: 25.2/28

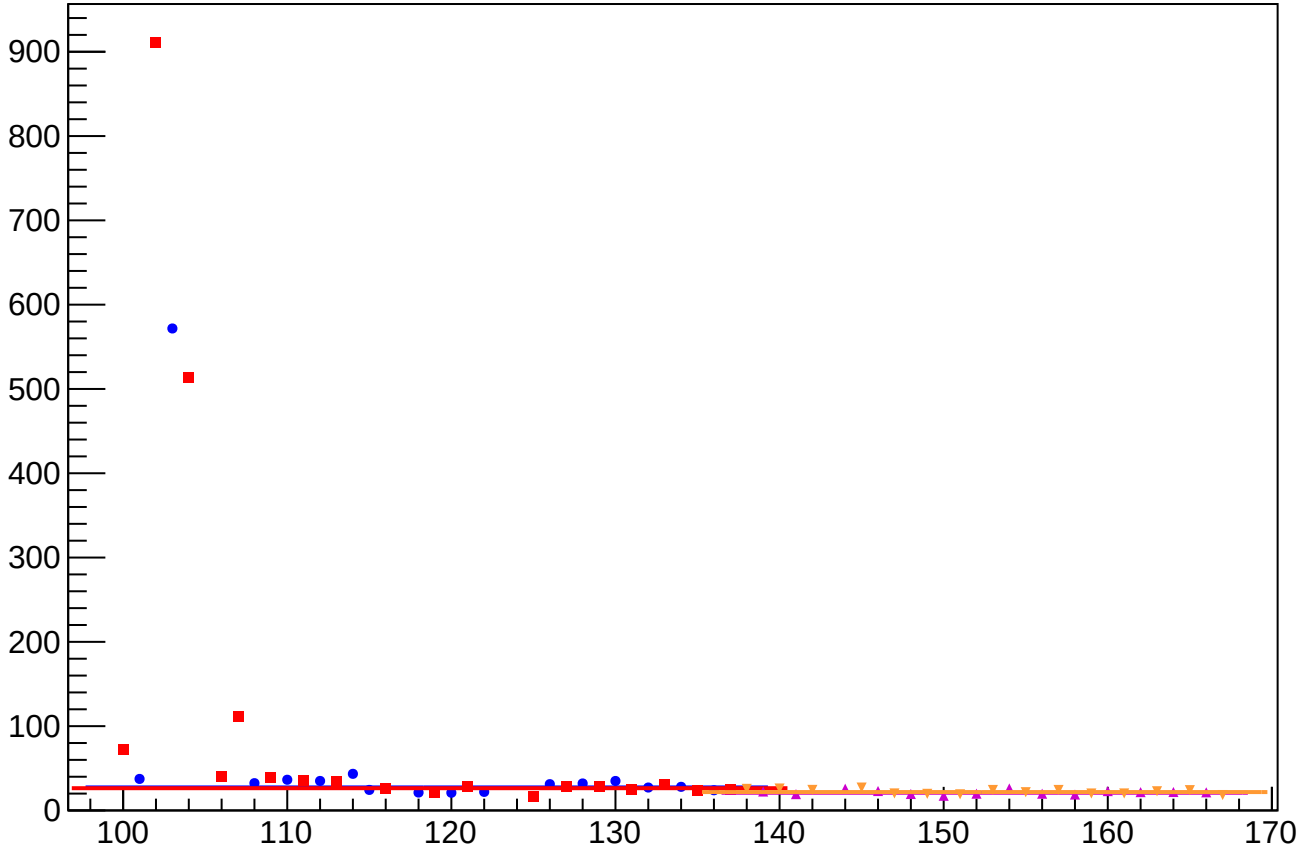
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.007+/-0.006 χ^2/NDF:28.8/29

Out: -0.000+/-0.006 χ^2/NDF:21.8/32

All: -0.003+/-0.004 χ^2/NDF: 51.1/62

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.801+/-0.005 χ^2/NDF:291961.3/14

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.984+/-0.005 χ^2/NDF:250902.4/13

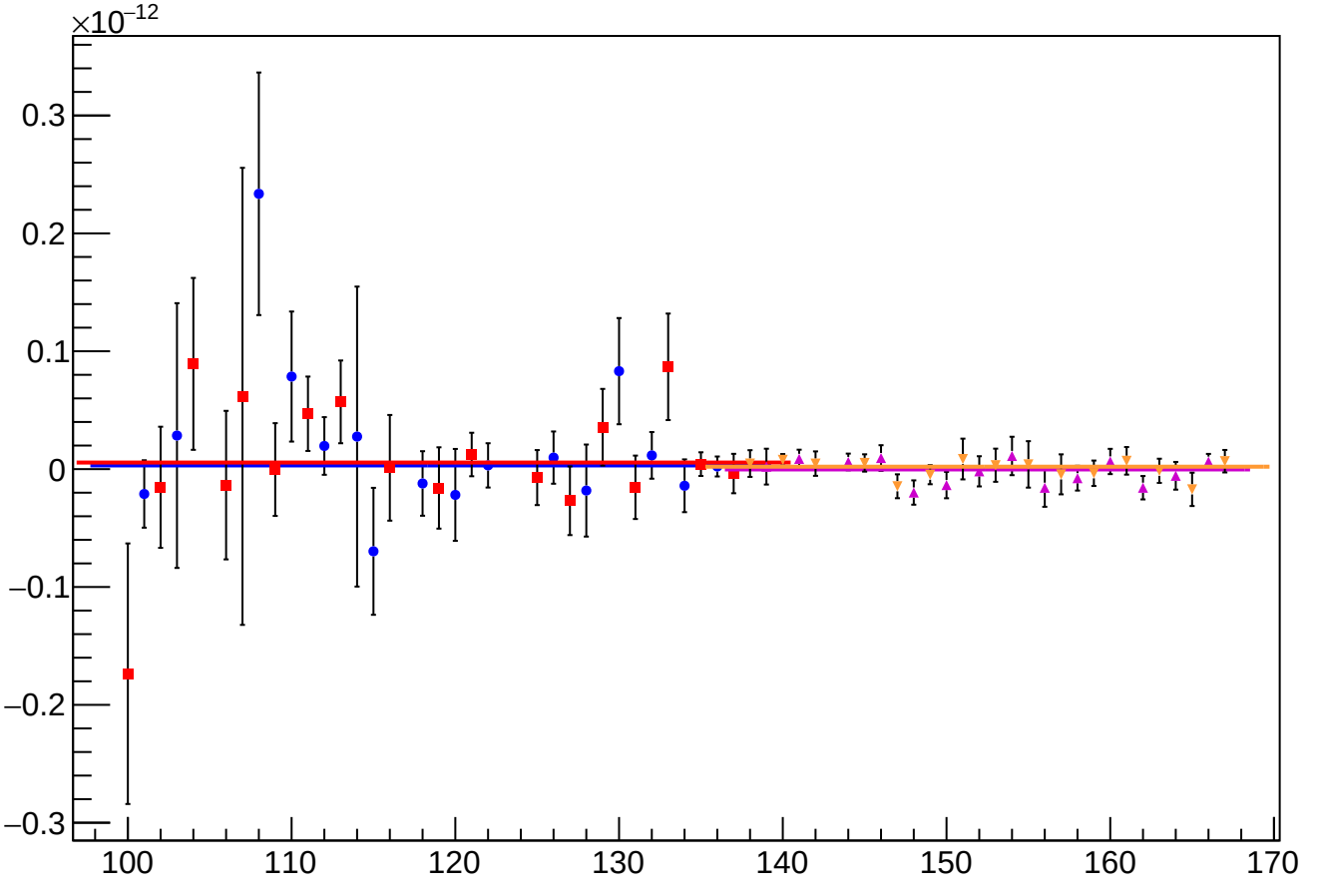
Left: 21.386+/-0.003 χ^2/NDF: 557083.3/28

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.609+/-0.004 χ^2/NDF:2263542.8/29

Out: 22.941+/-0.004 χ^2/NDF:3126829.3/32

All: 22.771+/-0.003 χ^2/NDF: 5393512.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:13.9/13

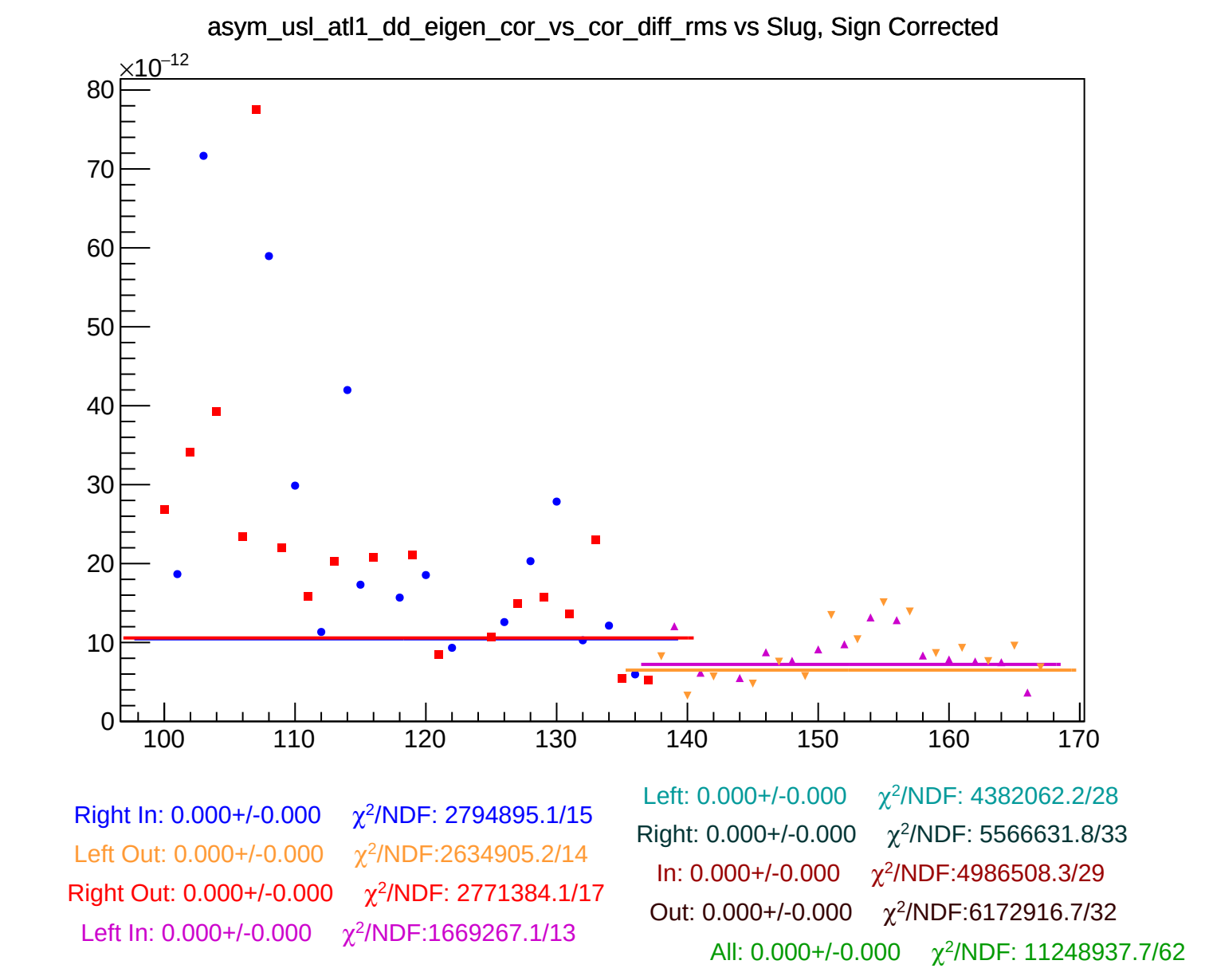
Left: 0.000+/-0.000 χ^2/NDF: 22.4/28

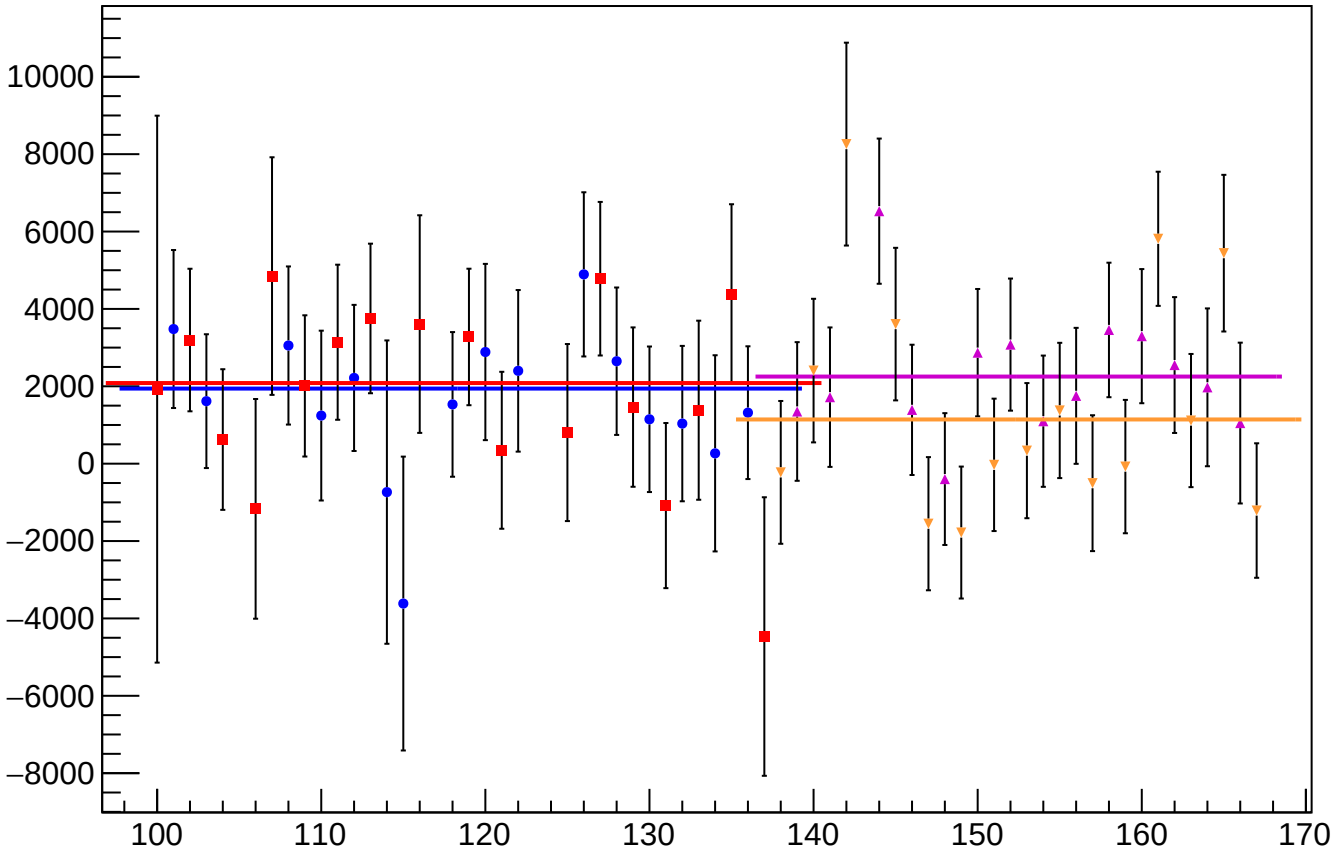
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:29.3/29

Out: 0.000+/-0.000 χ^2/NDF:23.6/32

All: 0.000+/-0.000 χ^2/NDF: 53.3/62


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2634905.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:1669267.1/13
Left: 0.000+/-0.000 χ²/NDF: 4382062.2/28
Right: 0.000+/-0.000 χ²/NDF: 5566631.8/33
In: 0.000+/-0.000 χ²/NDF:4986508.3/29
Out: 0.000+/-0.000 χ²/NDF:6172916.7/32
All: 0.000+/-0.000 χ²/NDF: 11248937.7/62



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1142.715+/-467.743 χ^2/NDF:31.0/14

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2251.431+/-474.364 χ^2/NDF:10.4/13

Left: 1689.282+/-333.060 χ^2/NDF: 44.1/28

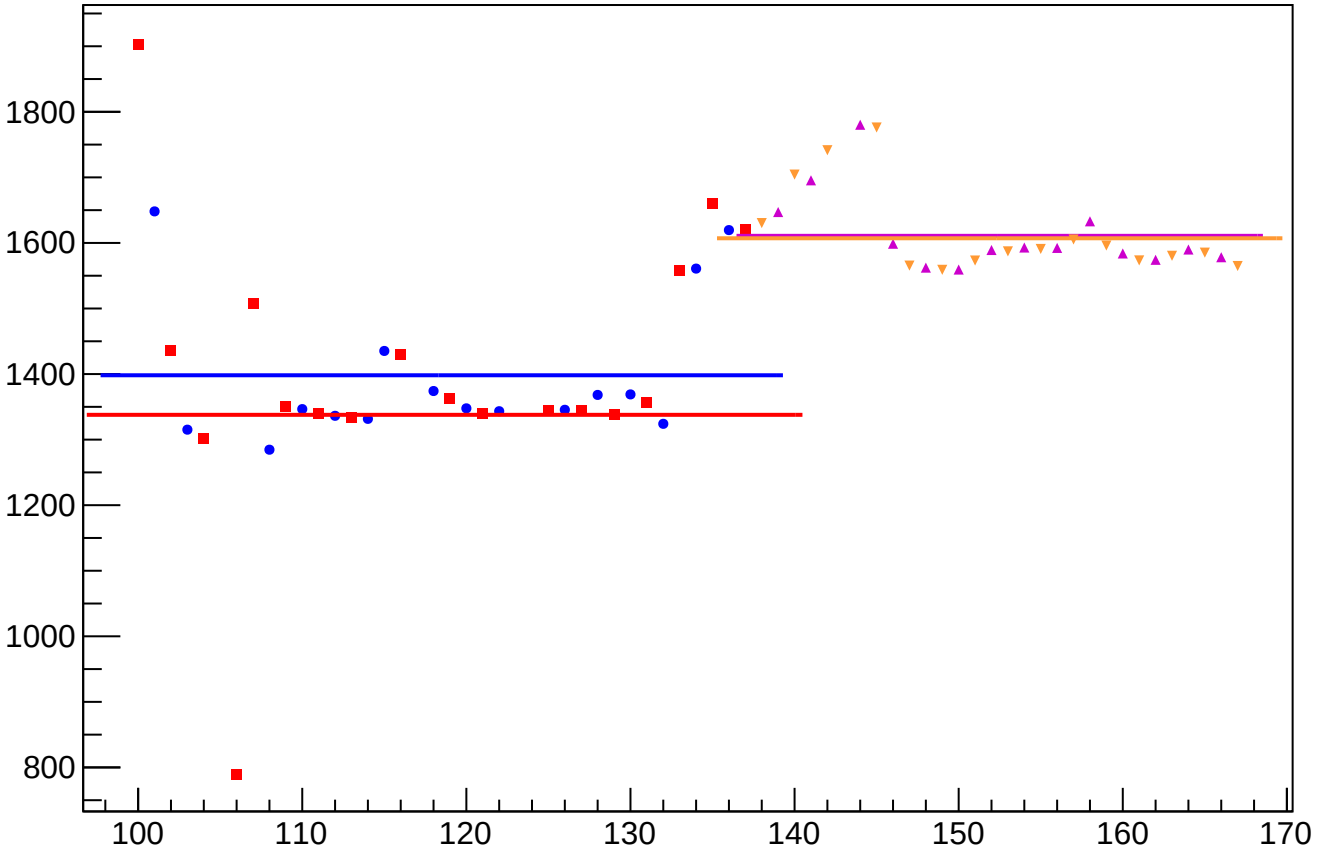
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2111.064+/-351.115 χ^2/NDF:17.5/29

Out: 1564.049+/-347.631 χ^2/NDF:47.3/32

All: 1834.830+/-247.035 χ^2/NDF: 66.0/62

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF:32461.6/14

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1610.840+/-0.335 χ^2/NDF:28357.0/13

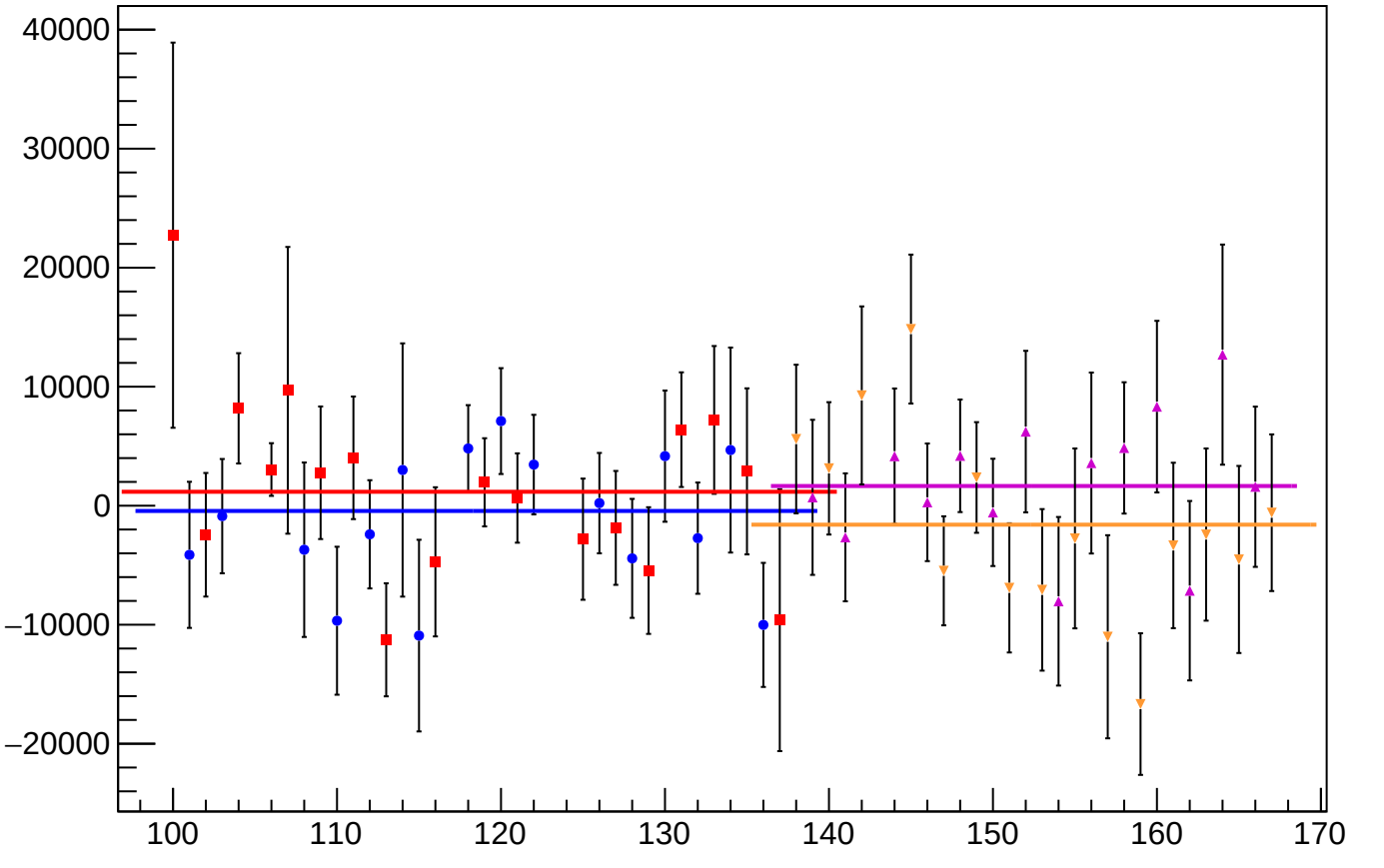
Left: 1608.952+/-0.236 χ^2/NDF: 60881.1/28

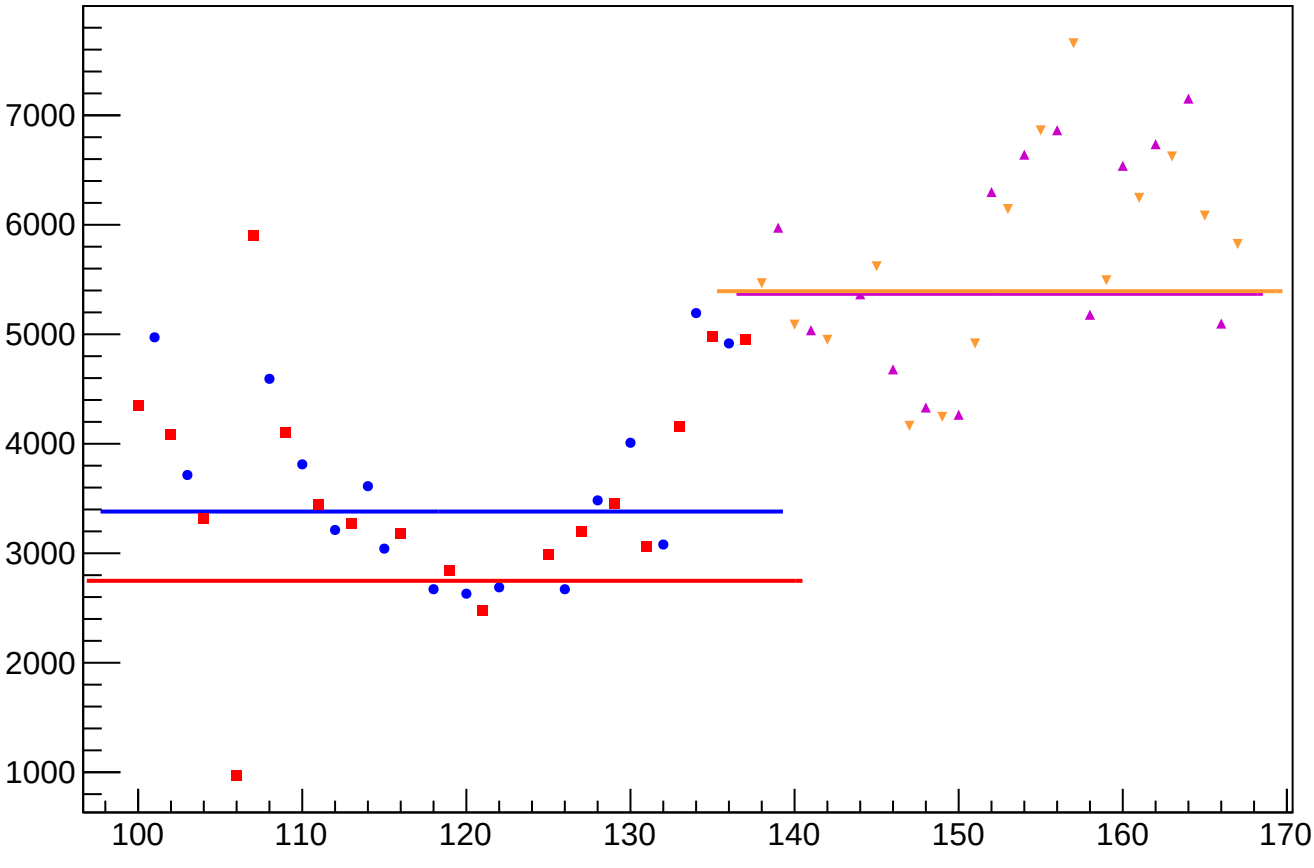
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1514.681+/-0.248 χ^2/NDF:304051.9/29

Out: 1482.323+/-0.242 χ^2/NDF:657438.2/32

All: 1498.107+/-0.173 χ^2/NDF: 970190.5/62


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: -1594.068+/-1602.224 χ²/NDF:22.0/14
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 1655.394+/-1608.854 χ²/NDF:7.8/13
Left: 23.953+/-1135.280 χ²/NDF: 31.9/28
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: 383.855+/-1009.232 χ²/NDF:24.8/29
Out: 263.865+/-917.898 χ²/NDF:43.7/32
All: 318.186+/-679.051 χ²/NDF: 68.5/62



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5393.803+/-1.133 χ^2/NDF:650696.2/14

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5369.727+/-1.138 χ^2/NDF:657764.5/13

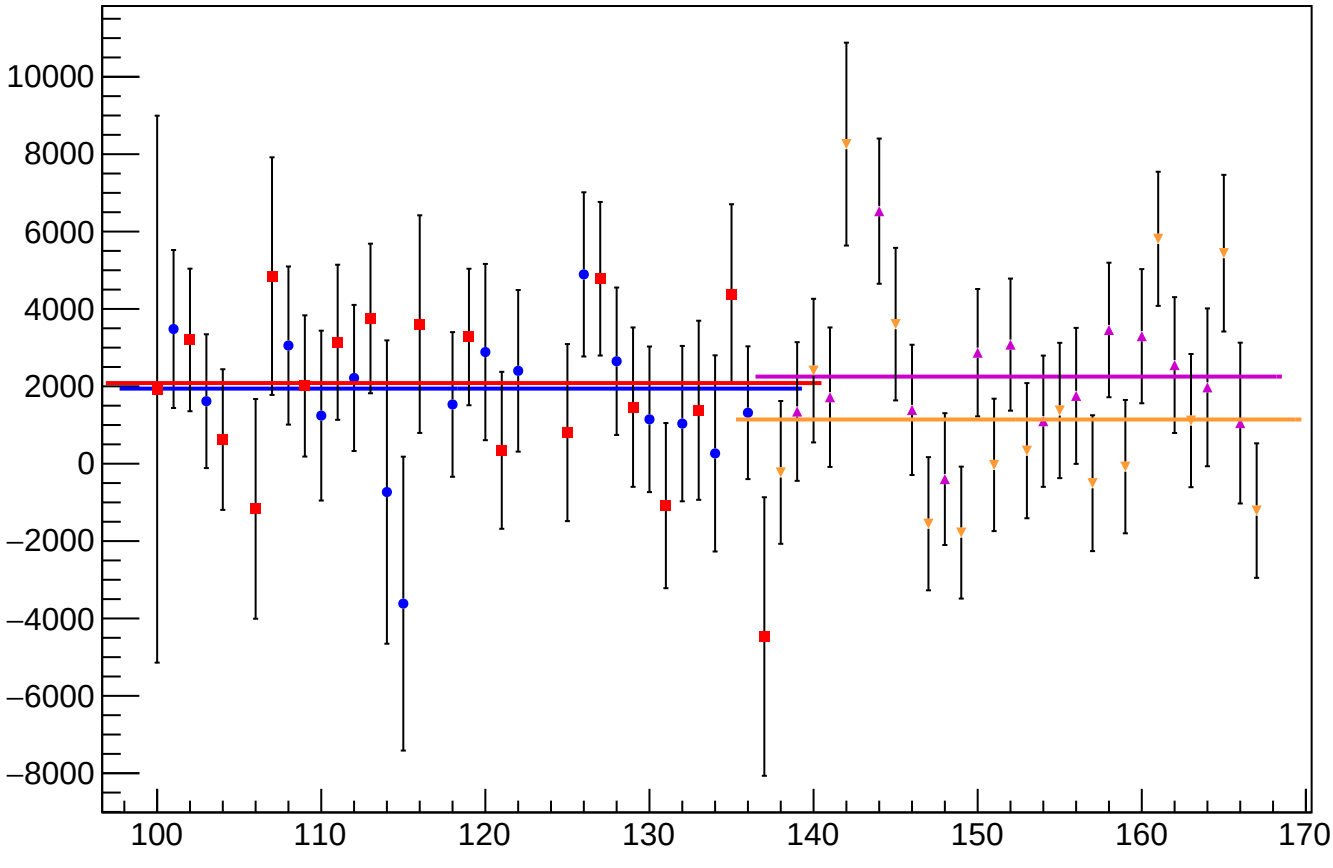
Left: 5381.815+/-0.803 χ^2/NDF: 1308685.5/28

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4163.642+/-0.714 χ^2/NDF:3268118.9/29

Out: 3616.610+/-0.649 χ^2/NDF:6578071.7/32

All: 3864.258+/-0.480 χ^2/NDF: 10167771.5/6



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1142.755+/-467.743 χ^2/NDF:31.0/14

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2251.570+/-474.364 χ^2/NDF:10.4/13

Left: 1689.371+/-333.060 χ^2/NDF: 44.1/28

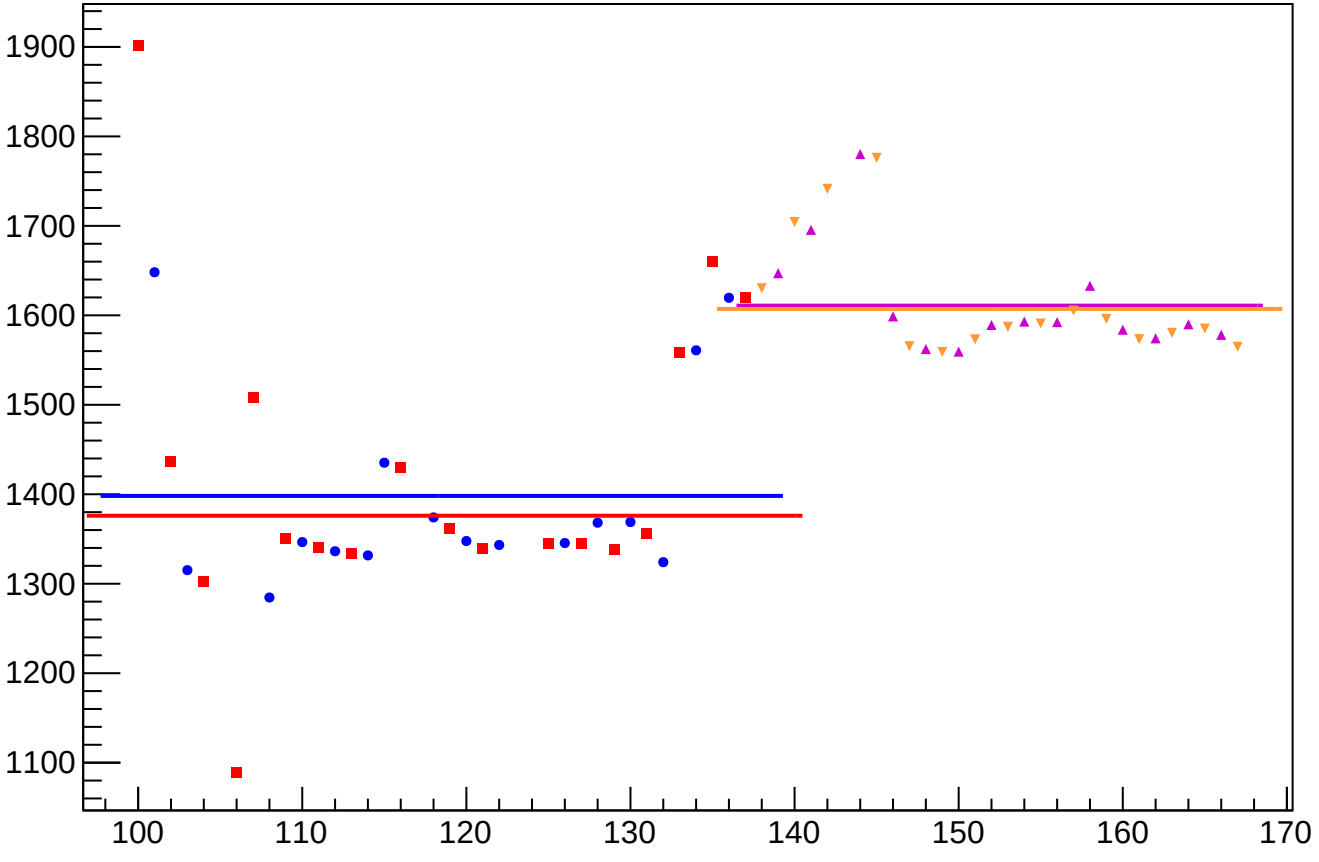
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2111.165+/-351.115 χ^2/NDF:17.5/29

Out: 1564.164+/-347.632 χ^2/NDF:47.3/32

All: 1834.939+/-247.035 χ^2/NDF: 66.0/62

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF:32461.5/14

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1610.840+/-0.335 χ^2/NDF:28357.0/13

Left: 1608.952+/-0.236 χ^2/NDF: 60881.1/28

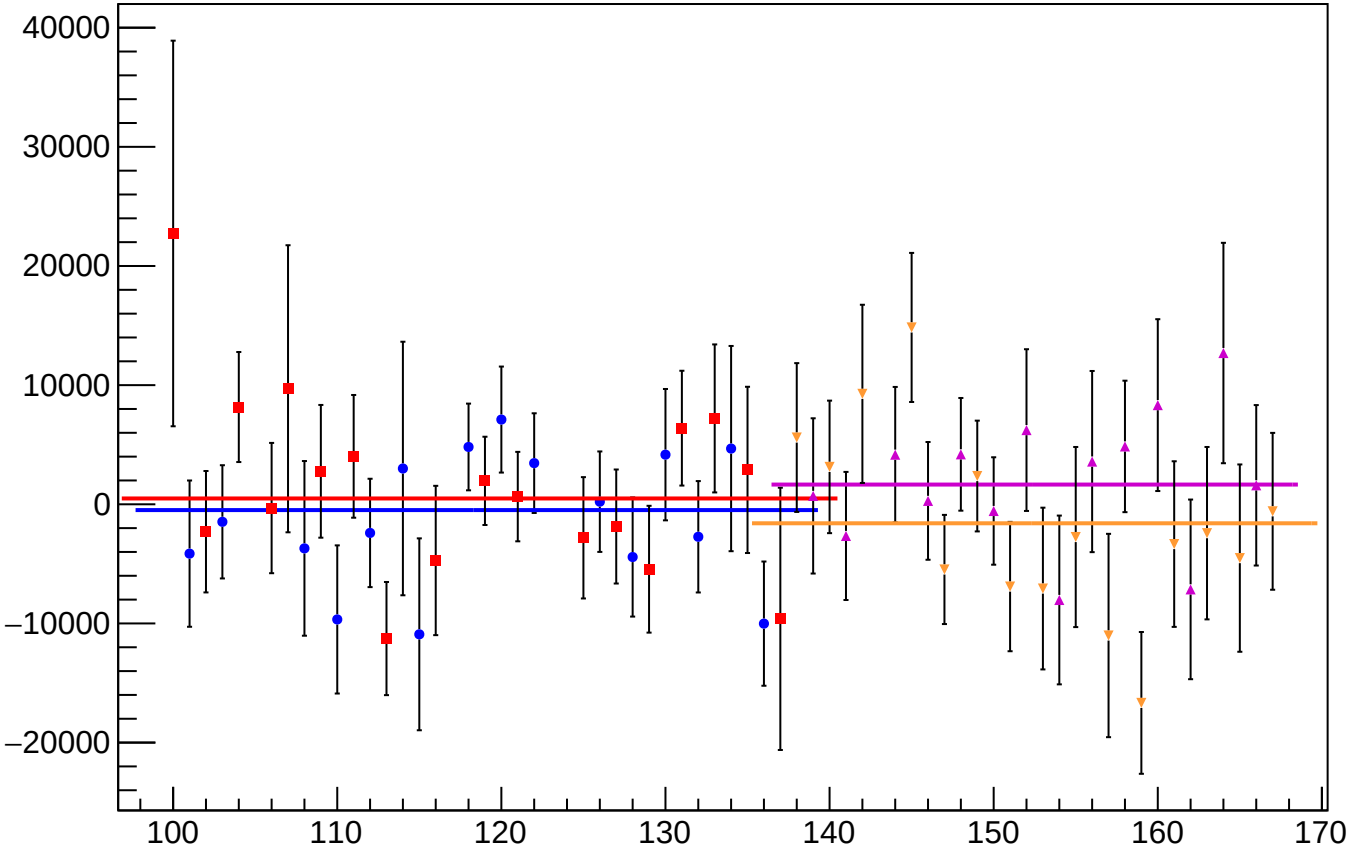
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1514.681+/-0.248 χ^2/NDF:304052.1/29

Out: 1502.139+/-0.244 χ^2/NDF:368265.9/32

All: 1508.310+/-0.174 χ^2/NDF: 673614.3/62

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1594.096+/-1602.224 χ^2/NDF:22.0/14

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1655.519+/-1608.853 χ^2/NDF:7.8/13

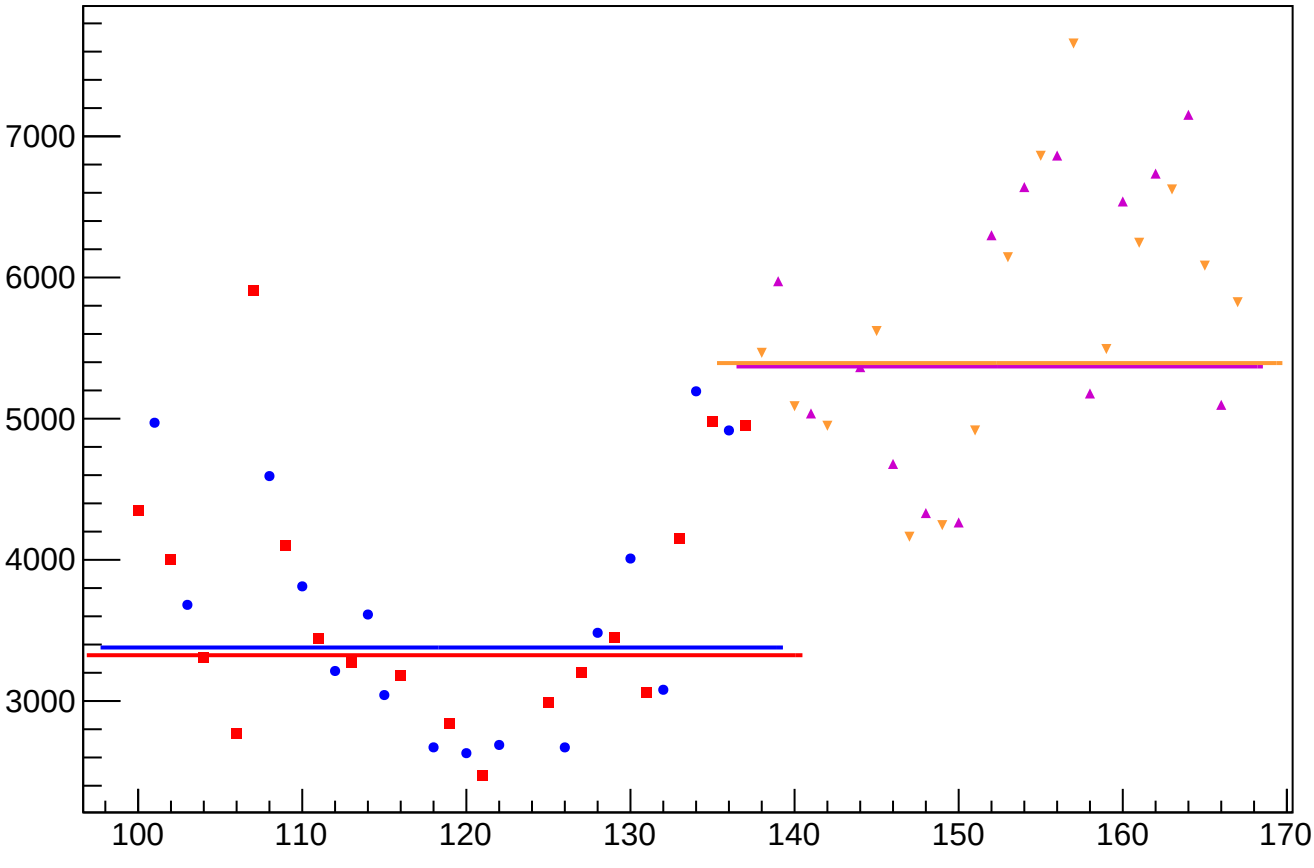
Left: 24.004+/-1135.280 χ^2/NDF: 31.9/28

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 355.577+/-1008.766 χ^2/NDF:24.9/29

Out: -308.268+/-991.066 χ^2/NDF:41.8/32

All: 17.779+/-706.964 χ^2/NDF: 66.9/62



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5393.805+/-1.133 χ^2/NDF:650693.4/14

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5369.723+/-1.138 χ^2/NDF:657772.9/13

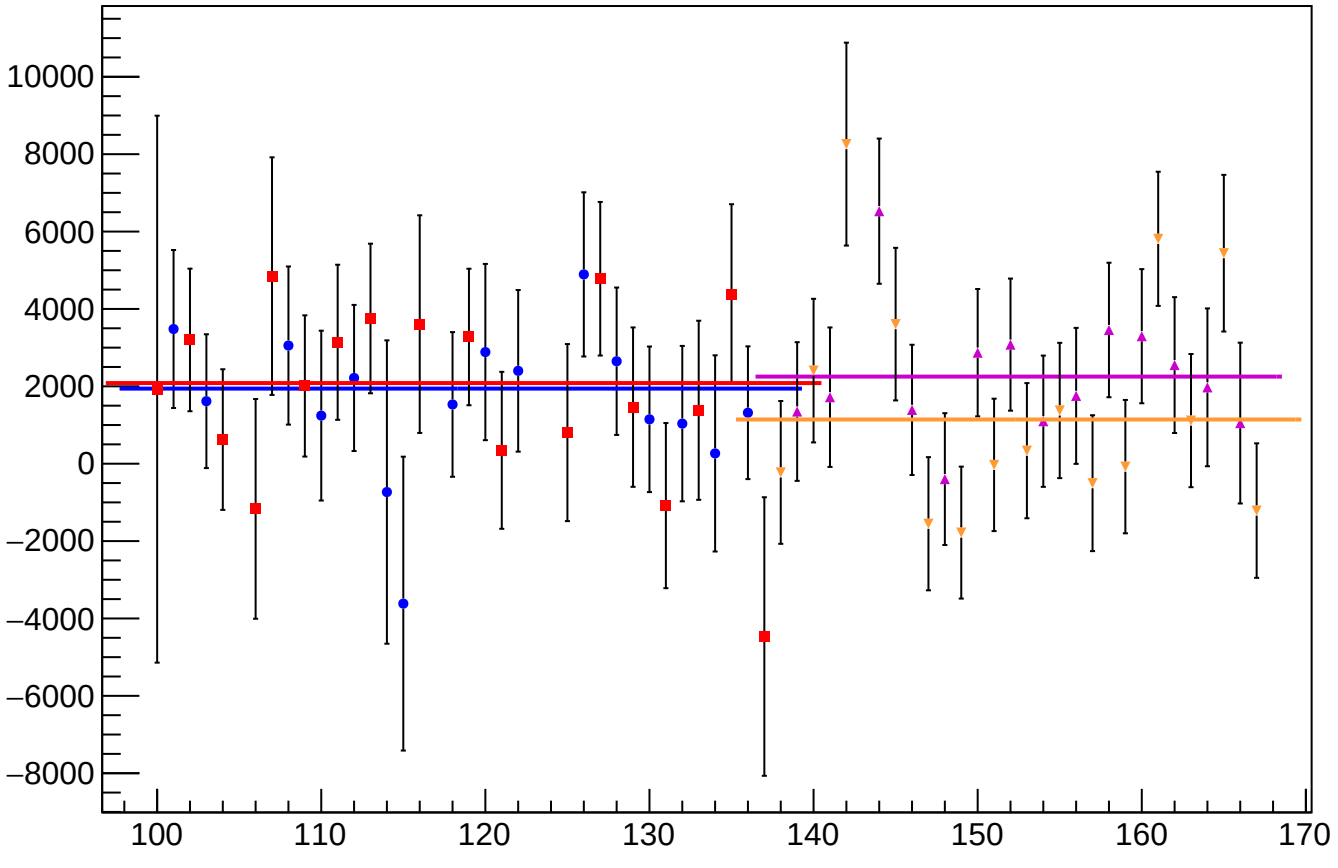
Left: 5381.813+/-0.803 χ^2/NDF: 1308691.3/28

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4161.701+/-0.713 χ^2/NDF:3271168.1/29

Out: 4116.210+/-0.701 χ^2/NDF:3254242.7/32

All: 4138.553+/-0.500 χ^2/NDF: 6527480.5/62



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1142.755+/-467.743 χ^2/NDF:31.0/14

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2251.570+/-474.364 χ^2/NDF:10.4/13

Left: 1689.371+/-333.060 χ^2/NDF: 44.1/28

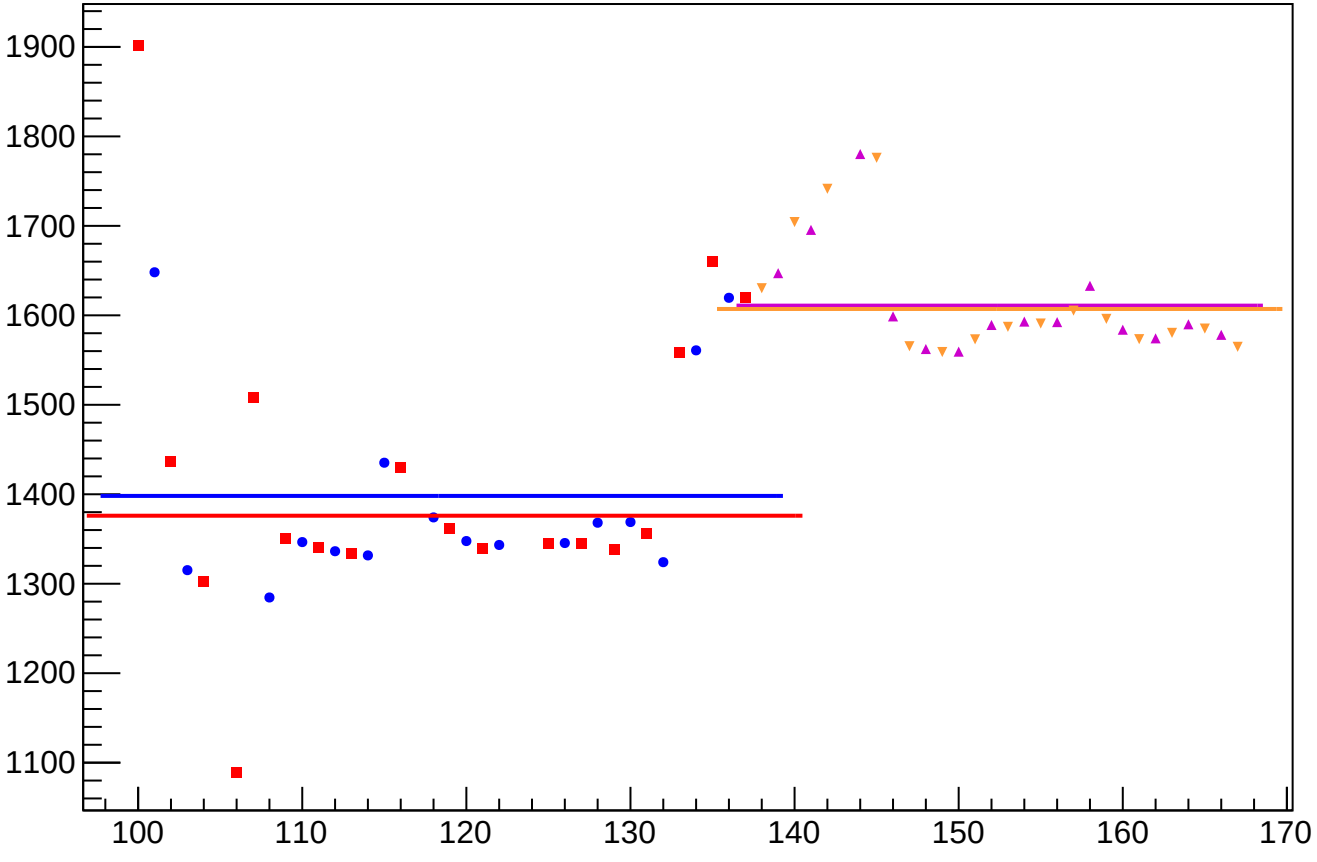
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2111.165+/-351.115 χ^2/NDF:17.5/29

Out: 1564.164+/-347.632 χ^2/NDF:47.3/32

All: 1834.939+/-247.035 χ^2/NDF: 66.0/62

eigen_cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF:32461.5/14

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1610.840+/-0.335 χ^2/NDF:28357.0/13

Left: 1608.952+/-0.236 χ^2/NDF: 60881.1/28

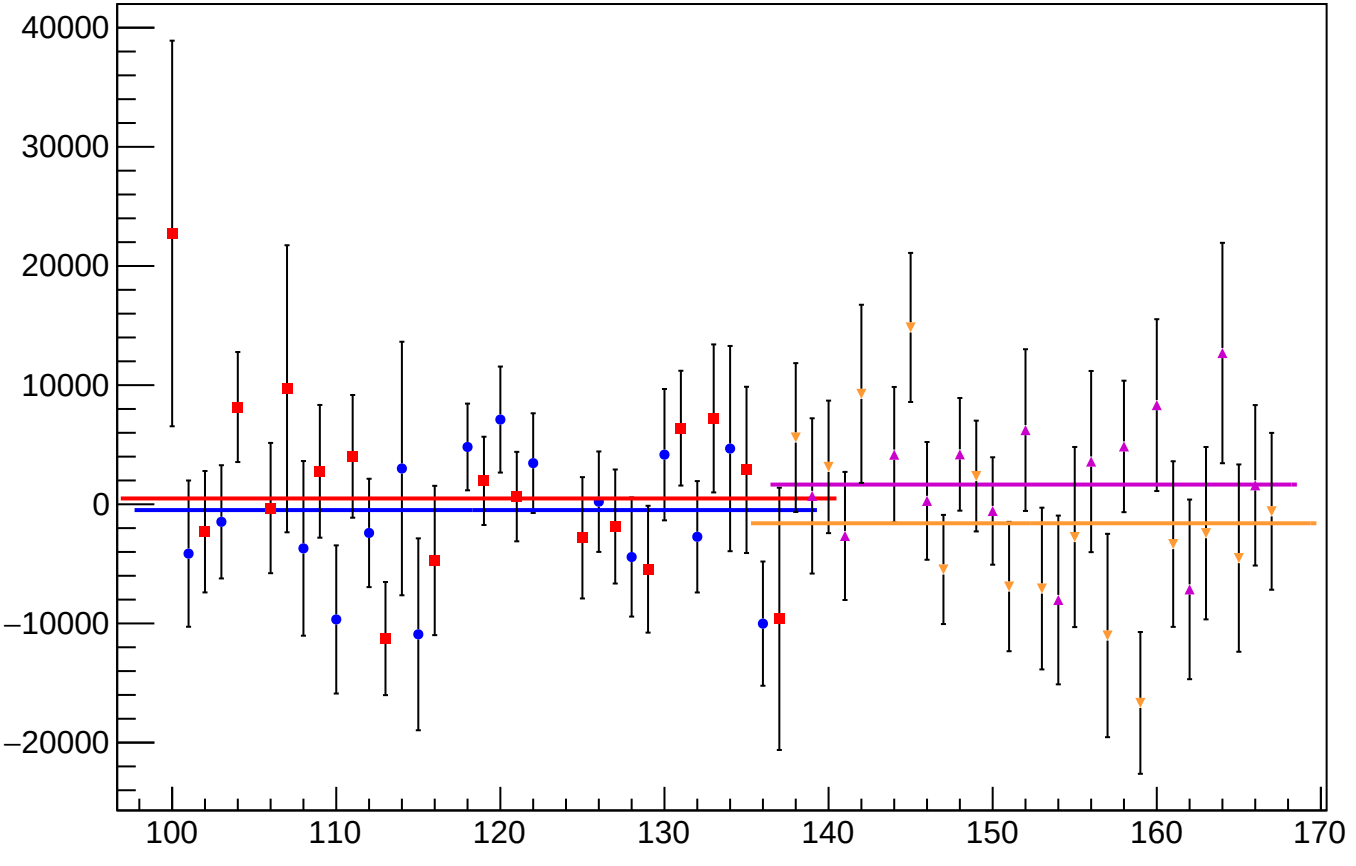
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1514.681+/-0.248 χ^2/NDF:304052.1/29

Out: 1502.139+/-0.244 χ^2/NDF:368265.9/32

All: 1508.310+/-0.174 χ^2/NDF: 673614.3/62

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1594.096+/-1602.224 χ^2/NDF:22.0/14

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1655.519+/-1608.853 χ^2/NDF:7.8/13

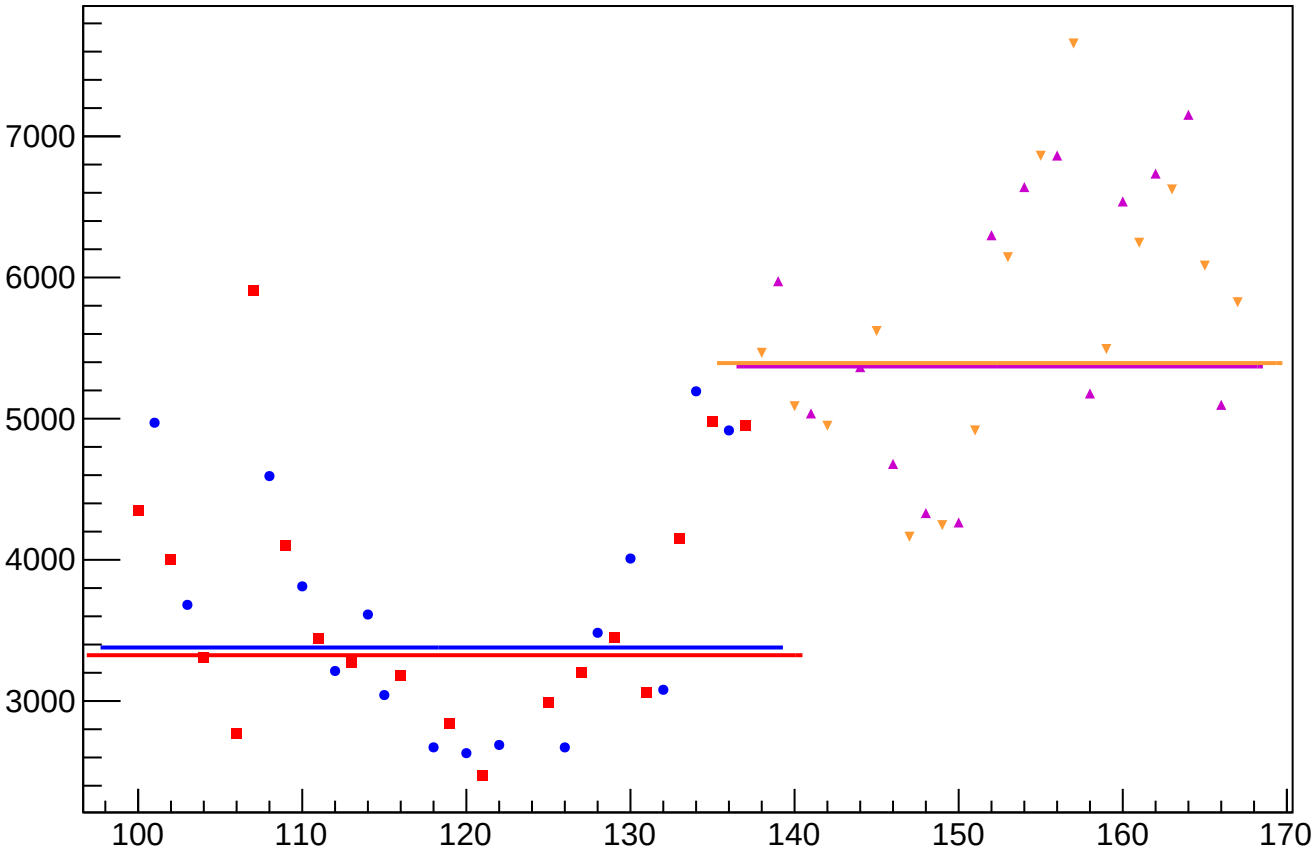
Left: 24.004+/-1135.280 χ^2/NDF: 31.9/28

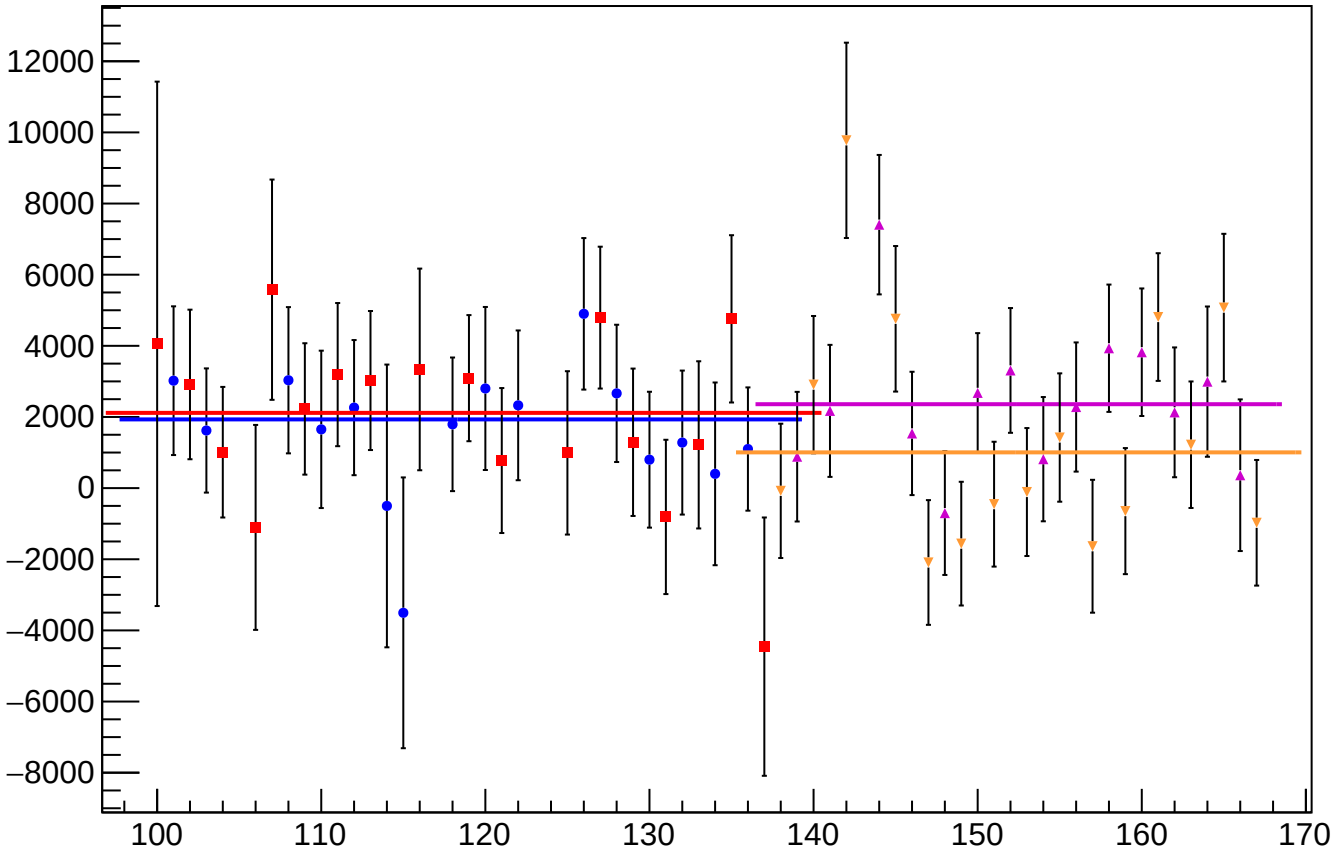
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 355.577+/-1008.766 χ^2/NDF:24.9/29

Out: -308.268+/-991.066 χ^2/NDF:41.8/32

All: 17.779+/-706.964 χ^2/NDF: 66.9/62


asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
Right In: 3379.110+/-0.916 χ²/NDF: 755339.9/15
Left Out: 5393.805+/-1.133 χ²/NDF:650693.4/14
Right Out: 3324.449+/-0.892 χ²/NDF: 543813.3/17
Left In: 5369.723+/-1.138 χ²/NDF:657772.9/13
Left: 5381.813+/-0.803 χ²/NDF: 1308691.3/28
Right: 3351.061+/-0.639 χ²/NDF: 1300981.9/33
In: 4161.701+/-0.713 χ²/NDF:3271168.1/29
Out: 4116.210+/-0.701 χ²/NDF:3254242.7/32
All: 4138.553+/-0.500 χ²/NDF: 6527480.5/62



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1004.726+/-482.110 χ^2/NDF:33.8/14

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2359.038+/-488.309 χ^2/NDF:14.2/13

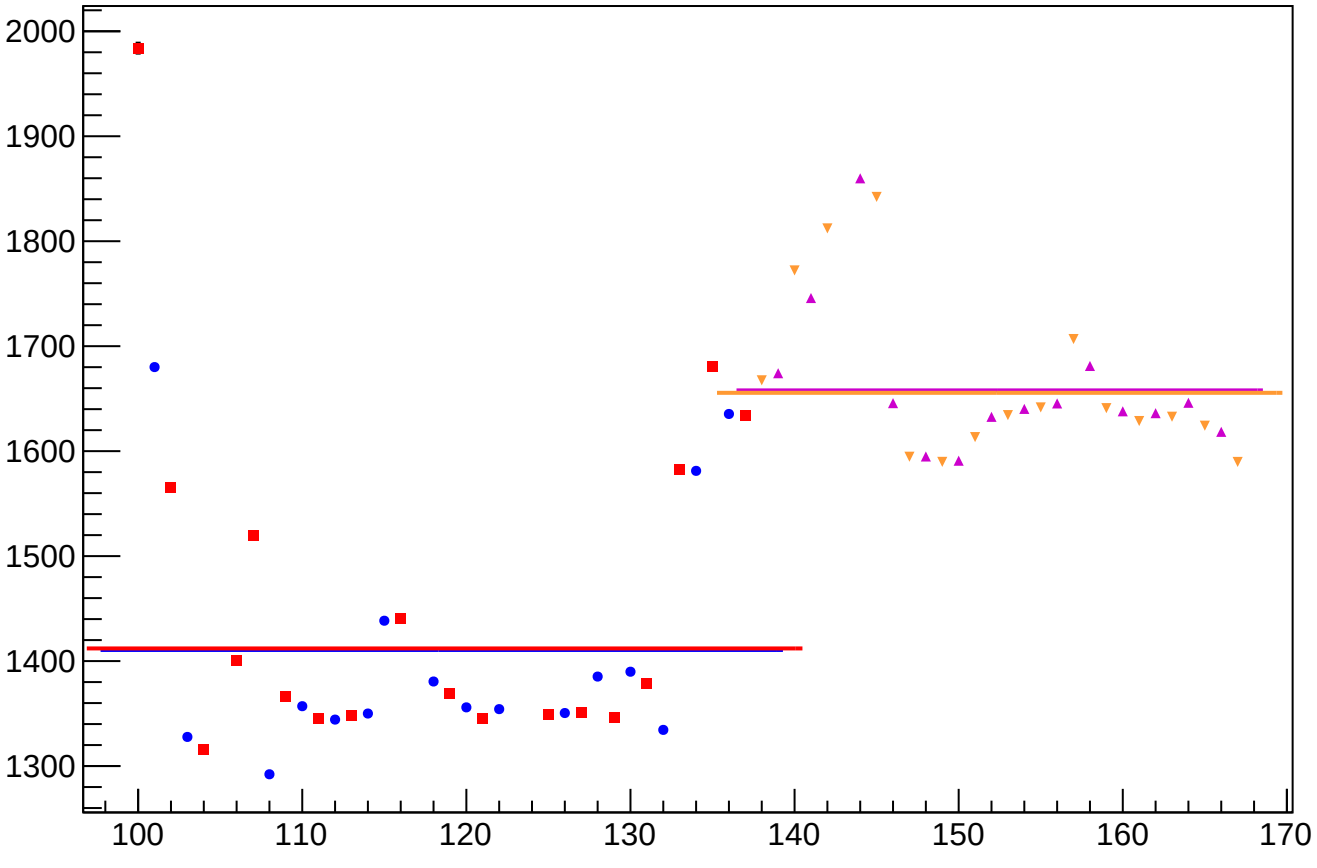
Left: 1673.231+/-343.074 χ^2/NDF: 51.8/28

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2161.610+/-358.227 χ^2/NDF:20.9/29

Out: 1508.778+/-356.269 χ^2/NDF:49.4/32

All: 1833.405+/-252.610 χ^2/NDF: 71.9/62



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1655.566+/-0.341 χ^2/NDF:43013.9/14

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1657.871+/-0.345 χ^2/NDF:34130.9/13

Left: 1656.704+/-0.243 χ^2/NDF: 77167.5/28

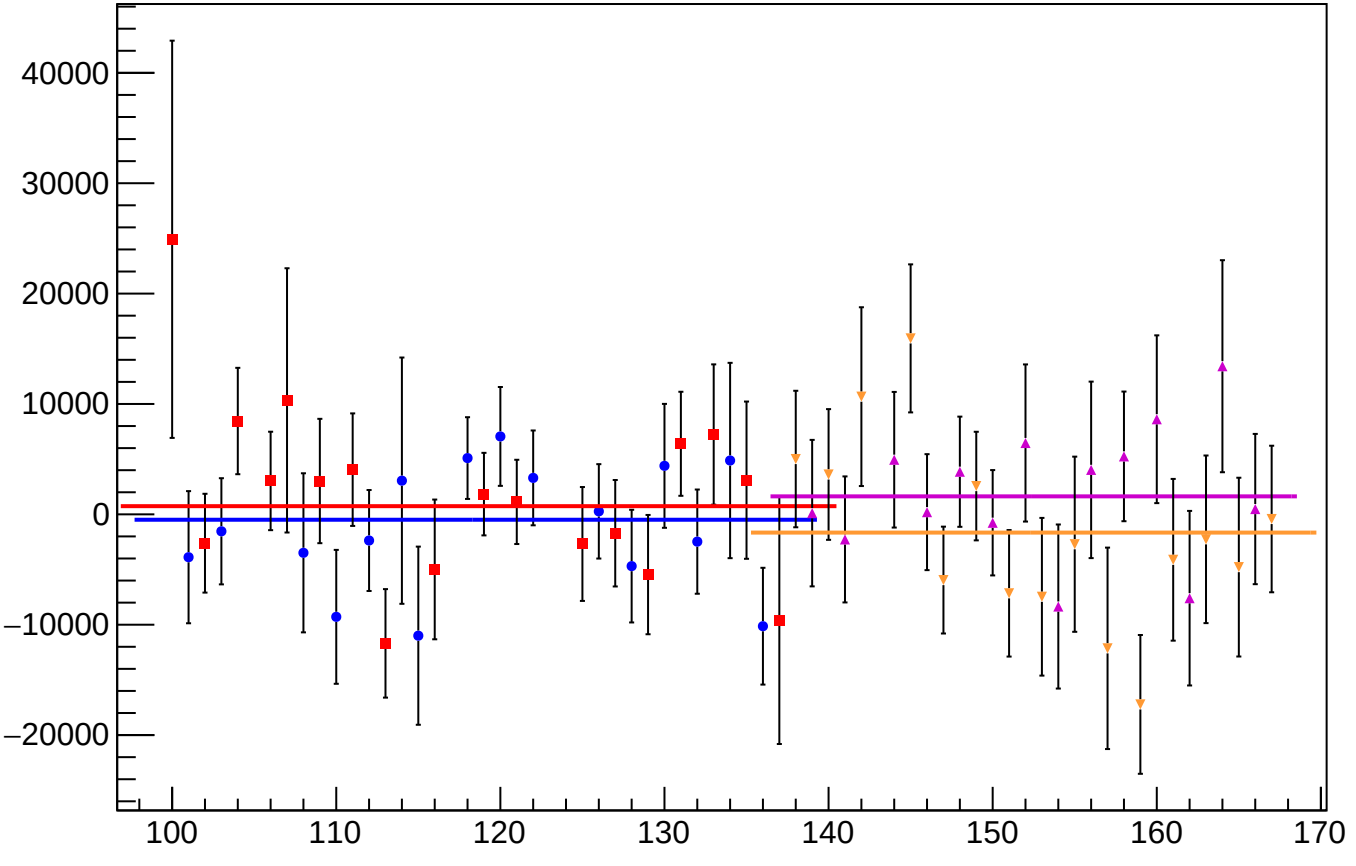
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1543.674+/-0.253 χ^2/NDF:370132.4/29

Out: 1544.708+/-0.252 χ^2/NDF:365011.4/32

All: 1544.195+/-0.179 χ^2/NDF: 735152.2/62

asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1653.514+/-1682.493 χ^2/NDF:22.0/14

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 1629.277+/-1694.340 χ^2/NDF:7.8/13

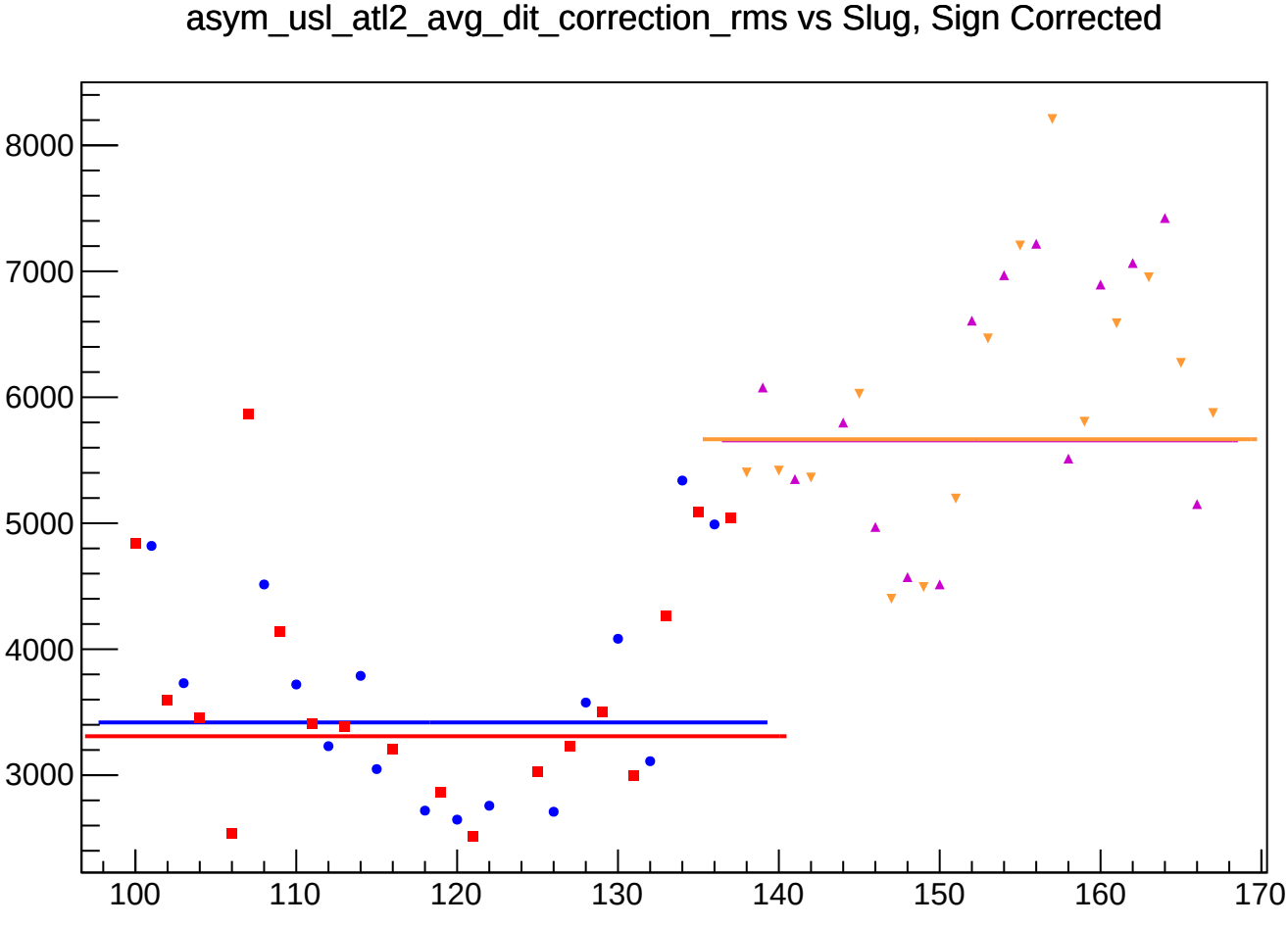
Left: -23.635+/-1193.869 χ^2/NDF: 31.7/28

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: 302.272+/-1035.717 χ^2/NDF:24.6/29

Out: -109.085+/-1002.325 χ^2/NDF:42.5/32

All: 89.855+/-720.267 χ^2/NDF: 67.2/62



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5666.690+/-1.190 χ^2/NDF:638389.7/14

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5658.064+/-1.198 χ^2/NDF:628700.4/13

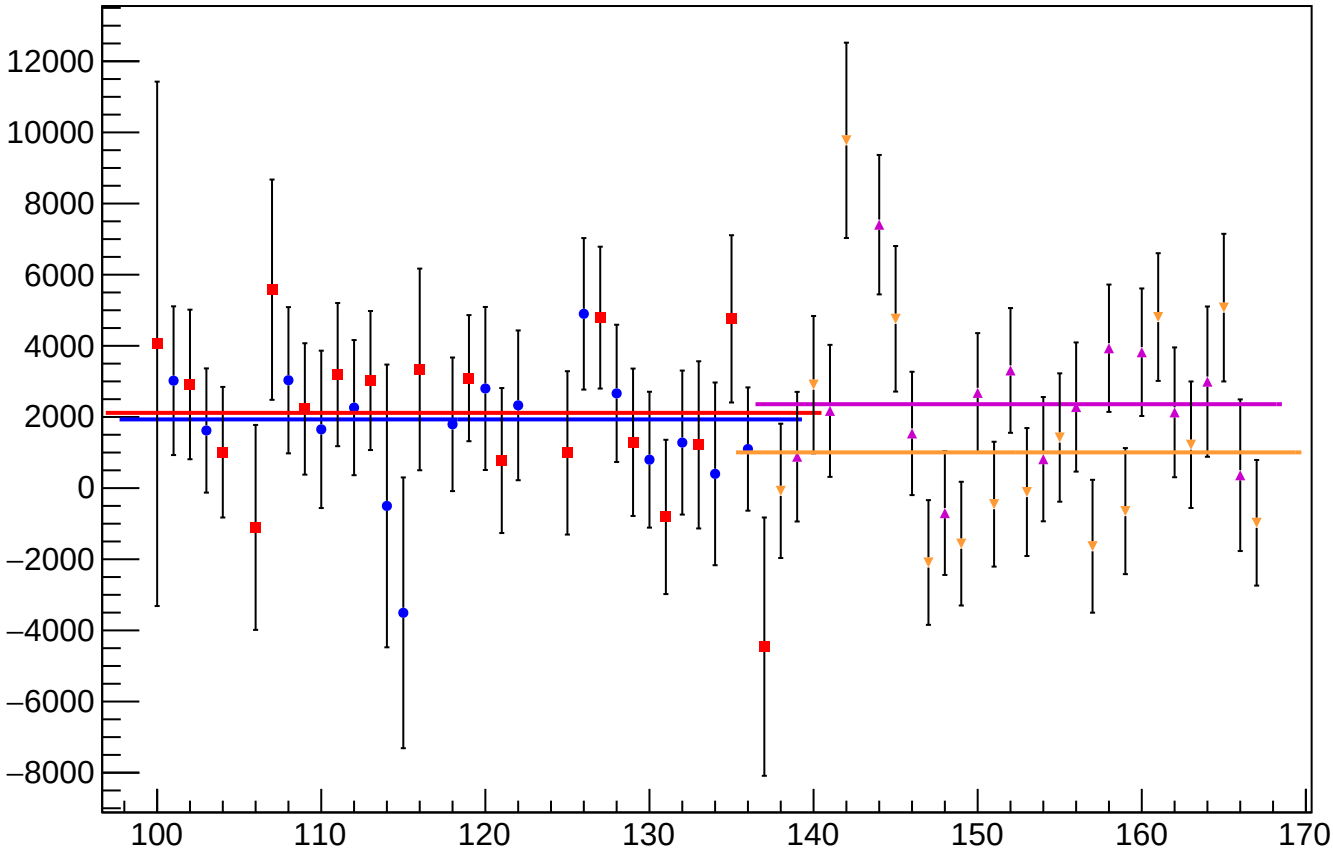
Left: 5662.407+/-0.844 χ^2/NDF: 1267116.2/28

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4255.470+/-0.732 χ^2/NDF:3538108.1/29

Out: 4145.825+/-0.709 χ^2/NDF:3743591.0/32

All: 4198.851+/-0.509 χ^2/NDF: 7293273.3/62



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1004.718+/-482.110 χ^2/NDF:33.8/14

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2359.041+/-488.309 χ^2/NDF:14.2/13

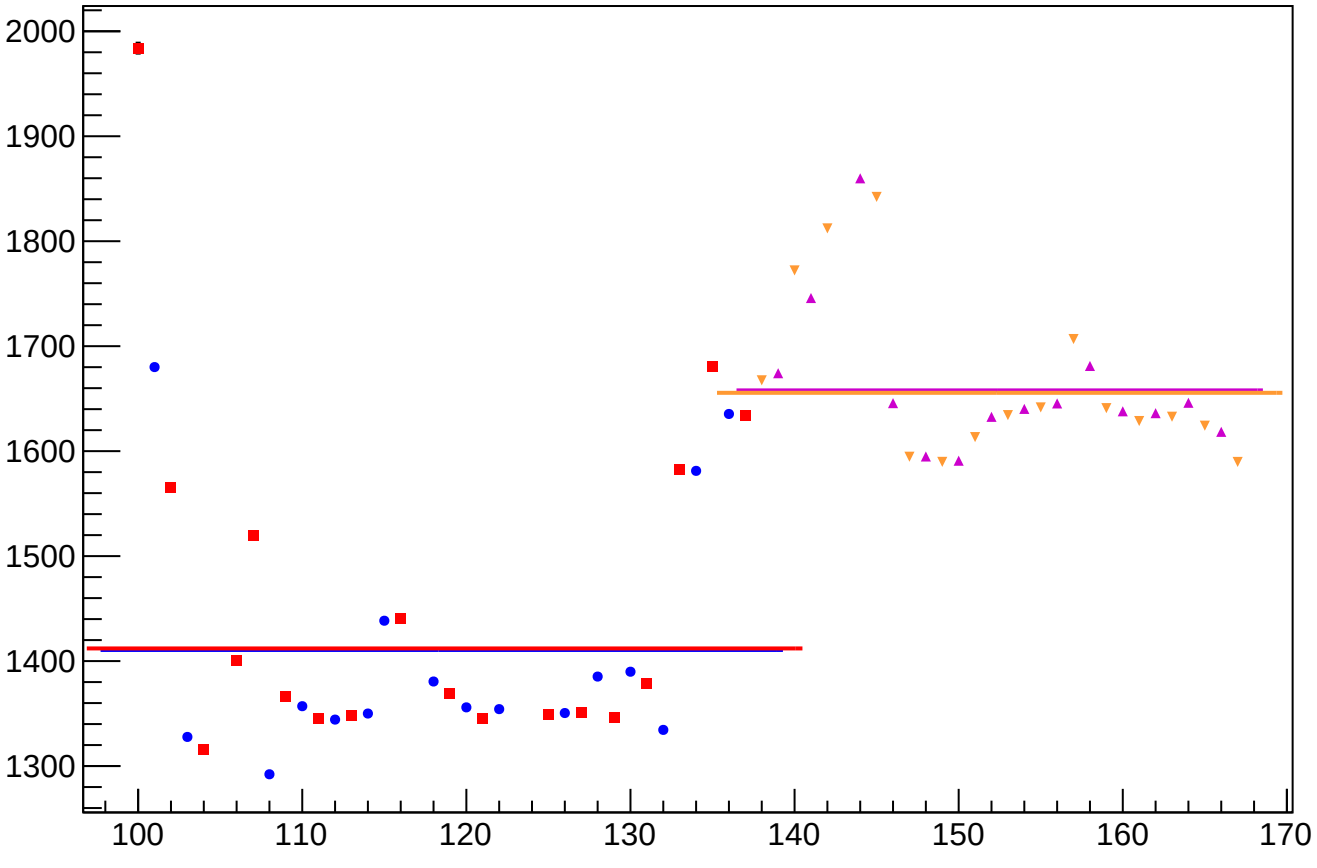
Left: 1673.228+/-343.074 χ^2/NDF: 51.8/28

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2161.611+/-358.227 χ^2/NDF:20.9/29

Out: 1508.775+/-356.269 χ^2/NDF:49.4/32

All: 1833.404+/-252.610 χ^2/NDF: 71.9/62



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1655.567+/-0.341 χ^2/NDF:43014.8/14

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1657.872+/-0.345 χ^2/NDF:34131.3/13

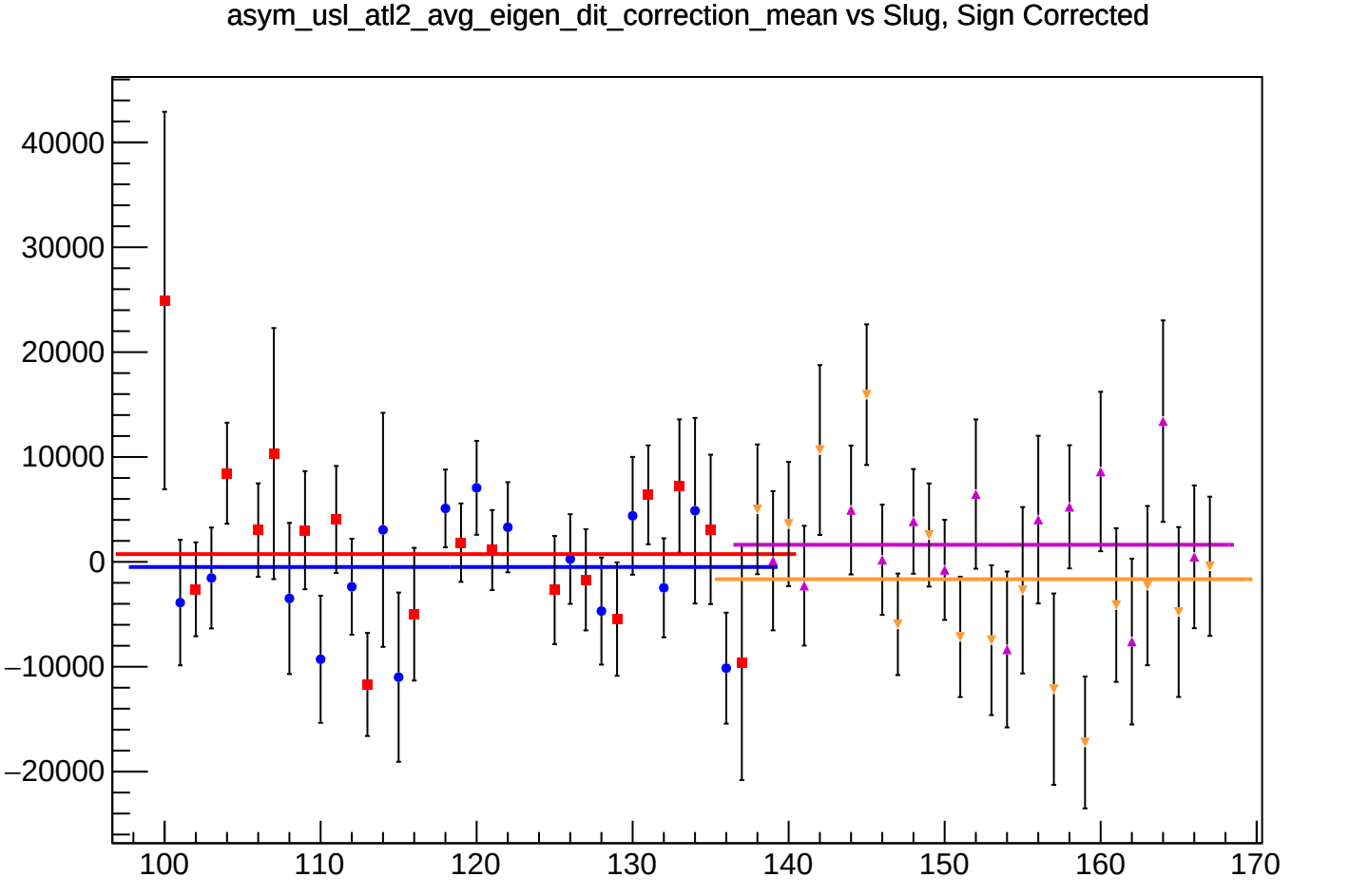
Left: 1656.705+/-0.243 χ^2/NDF: 77168.7/28

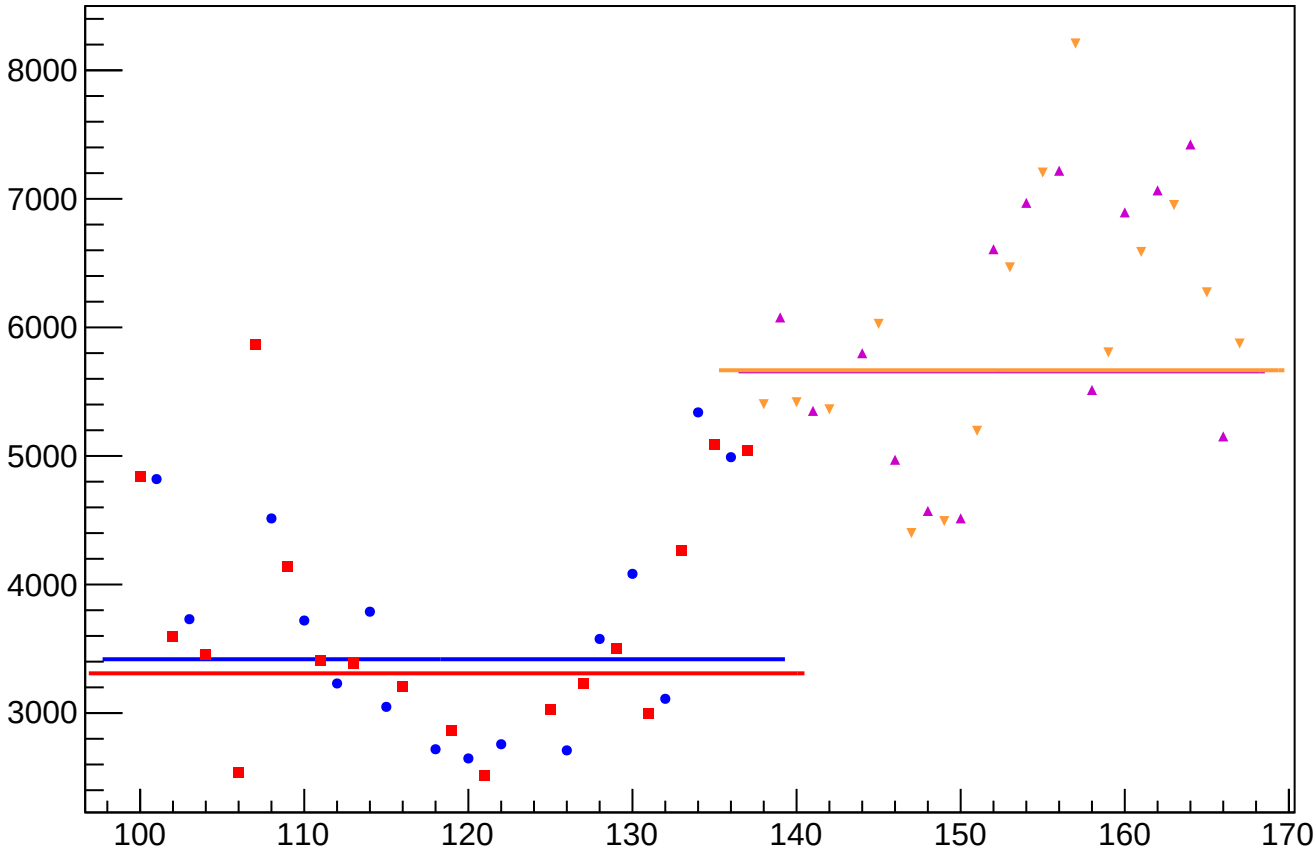
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1543.675+/-0.253 χ^2/NDF:370135.1/29

Out: 1544.709+/-0.252 χ^2/NDF:365015.1/32

All: 1544.195+/-0.179 χ^2/NDF: 735158.6/62


asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -489.395+/-1308.688 χ²/NDF: 15.8/15
Left Out: -1653.523+/-1682.496 χ²/NDF:22.0/14
Right Out: 740.594+/-1247.944 χ²/NDF: 19.2/17
Left In: 1629.278+/-1694.342 χ²/NDF:7.8/13
Left: -23.639+/-1193.870 χ²/NDF: 31.7/28
Right: 154.807+/-903.141 χ²/NDF: 35.5/33
In: 302.272+/-1035.715 χ²/NDF:24.6/29
Out: -109.082+/-1002.324 χ²/NDF:42.5/32
All: 89.857+/-720.266 χ²/NDF: 67.2/62



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5666.697+/-1.190 χ^2/NDF:638392.7/14

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5658.071+/-1.198 χ^2/NDF:628703.0/13

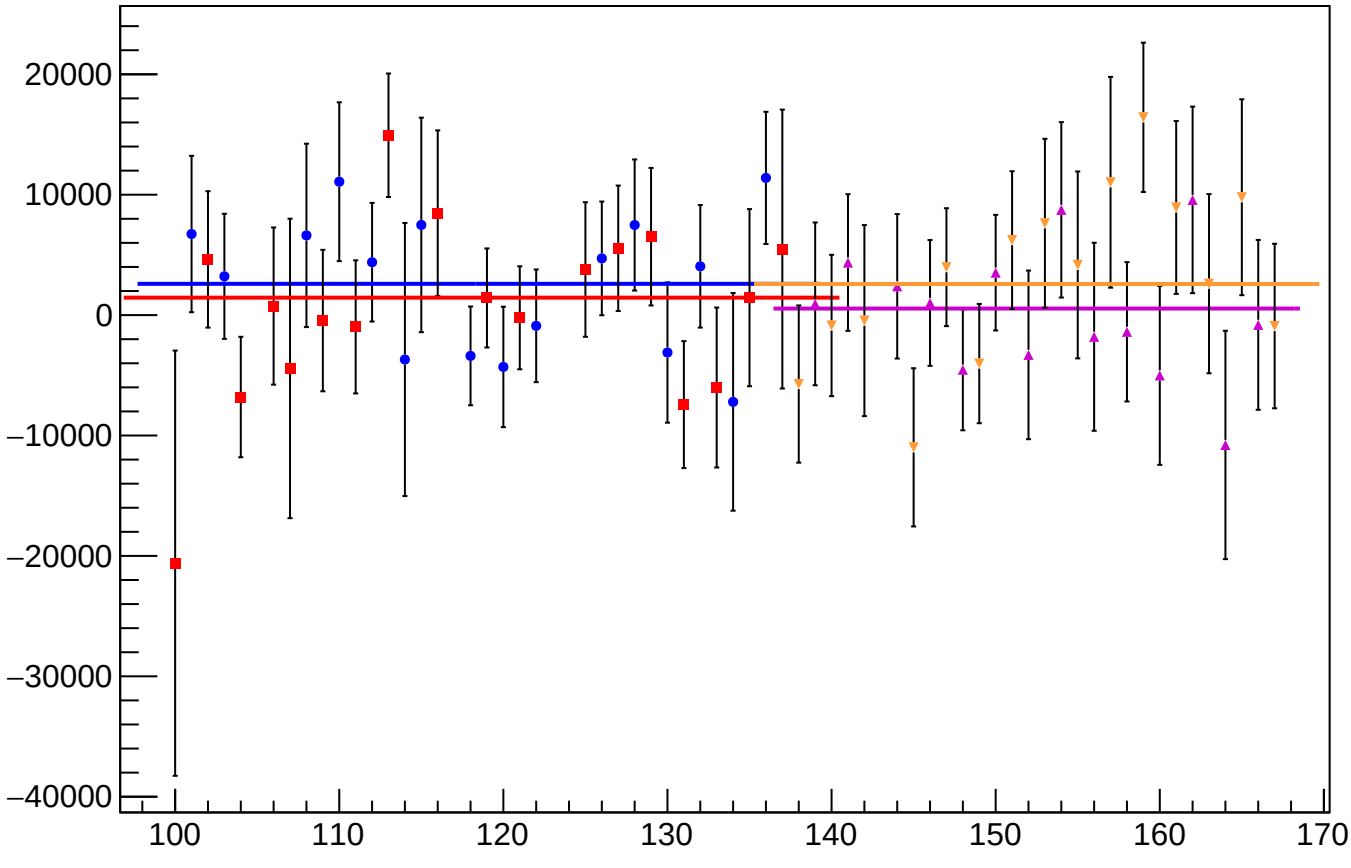
Left: 5662.414+/-0.844 χ^2/NDF: 1267121.8/28

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4255.461+/-0.732 χ^2/NDF:3538156.3/29

Out: 4145.817+/-0.709 χ^2/NDF:3743636.0/32

All: 4198.843+/-0.509 χ^2/NDF: 7293366.5/62



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2584.733+/-1679.393 χ^2/NDF:16.9/14

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 546.113+/-1686.199 χ^2/NDF:7.1/13

Left: 1569.546+/-1189.909 χ^2/NDF: 24.8/28

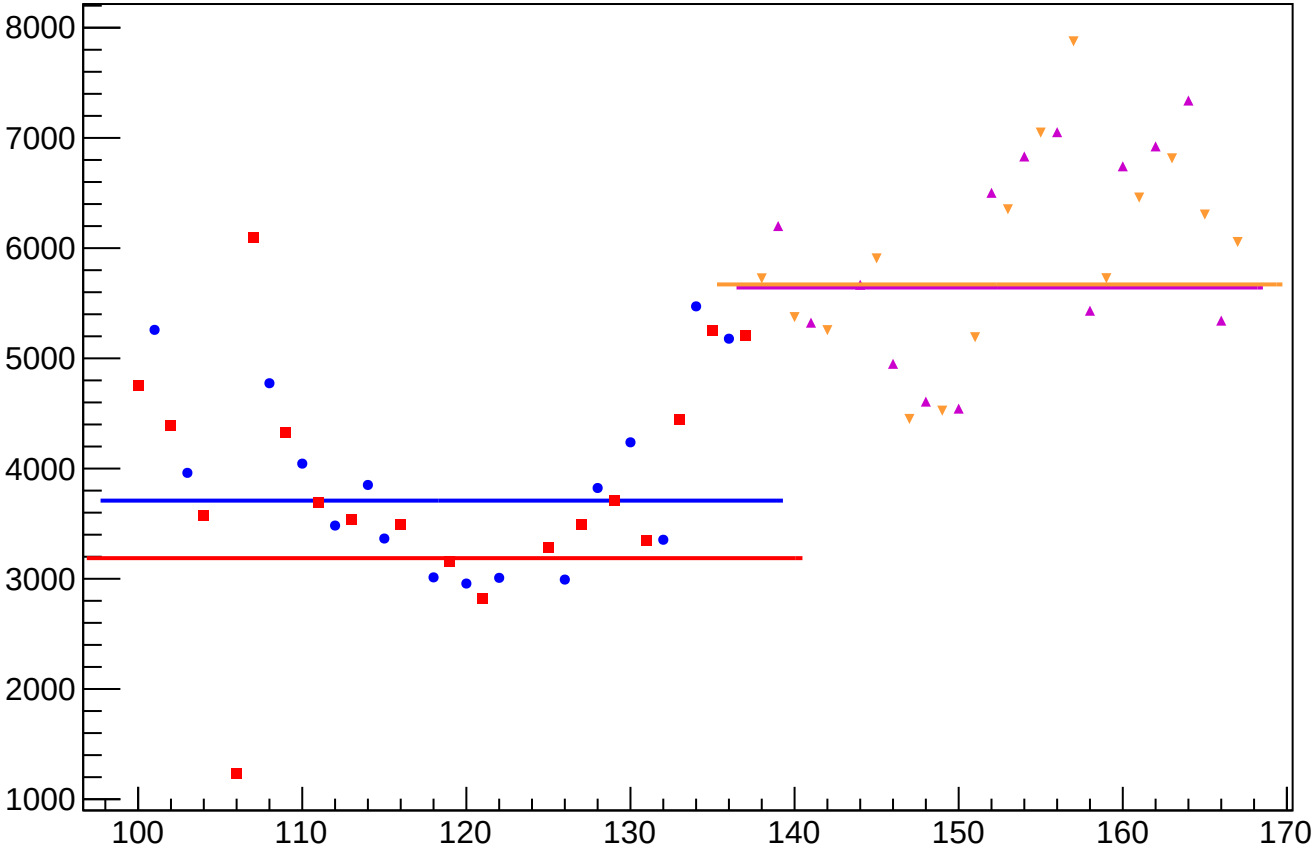
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1751.436+/-1083.692 χ^2/NDF:21.5/29

Out: 1908.738+/-1067.505 χ^2/NDF:36.3/32

All: 1831.271+/-760.498 χ^2/NDF: 57.7/62

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5670.734+/-1.188 χ^2/NDF:557516.1/14

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5642.726+/-1.192 χ^2/NDF:561788.8/13

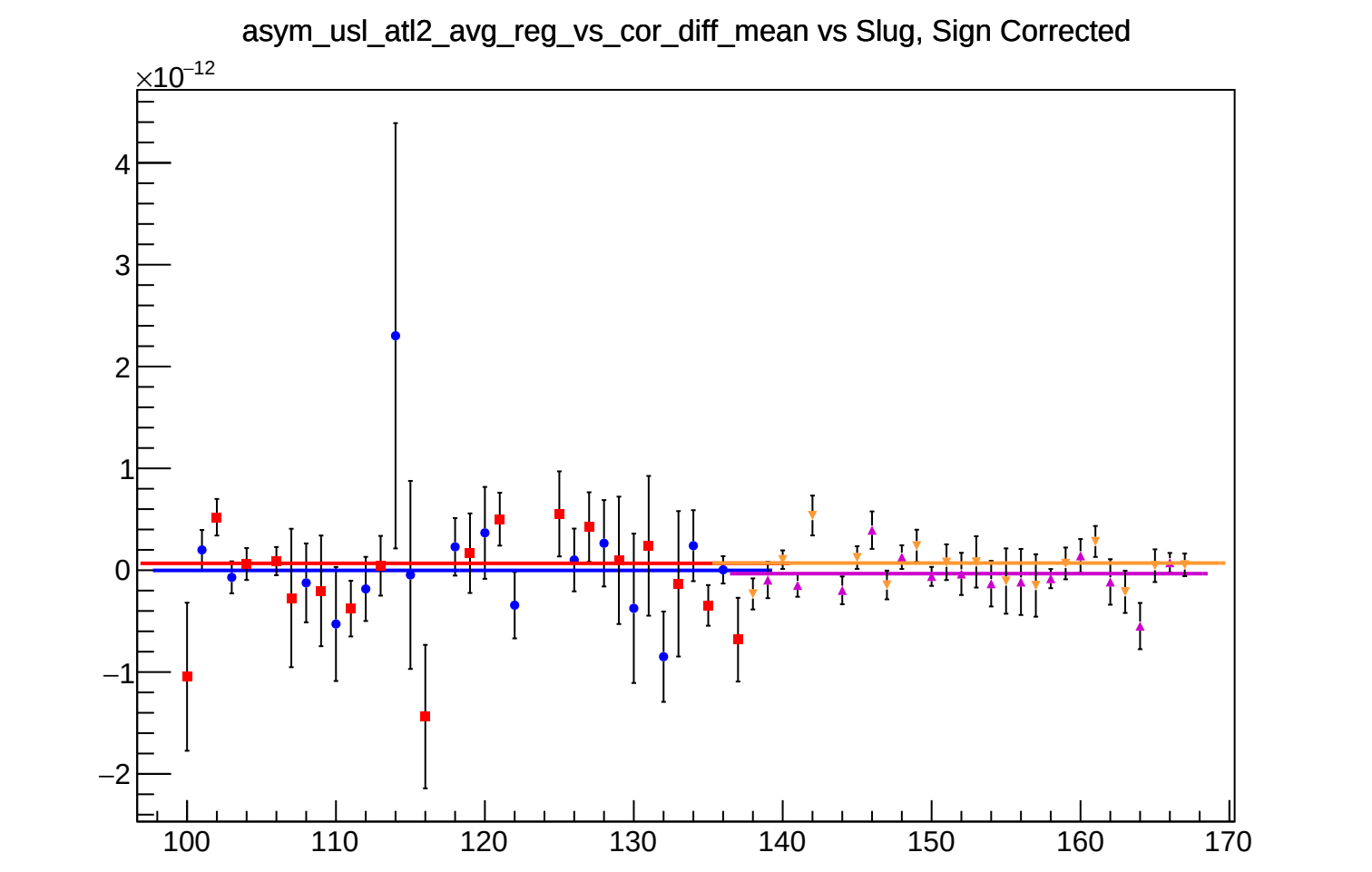
Left: 5656.787+/-0.841 χ^2/NDF: 1119581.9/28

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4507.799+/-0.766 χ^2/NDF:2716046.2/29

Out: 4087.599+/-0.715 χ^2/NDF:4956478.3/32

All: 4283.175+/-0.523 χ^2/NDF: 7833267.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:18.2/13

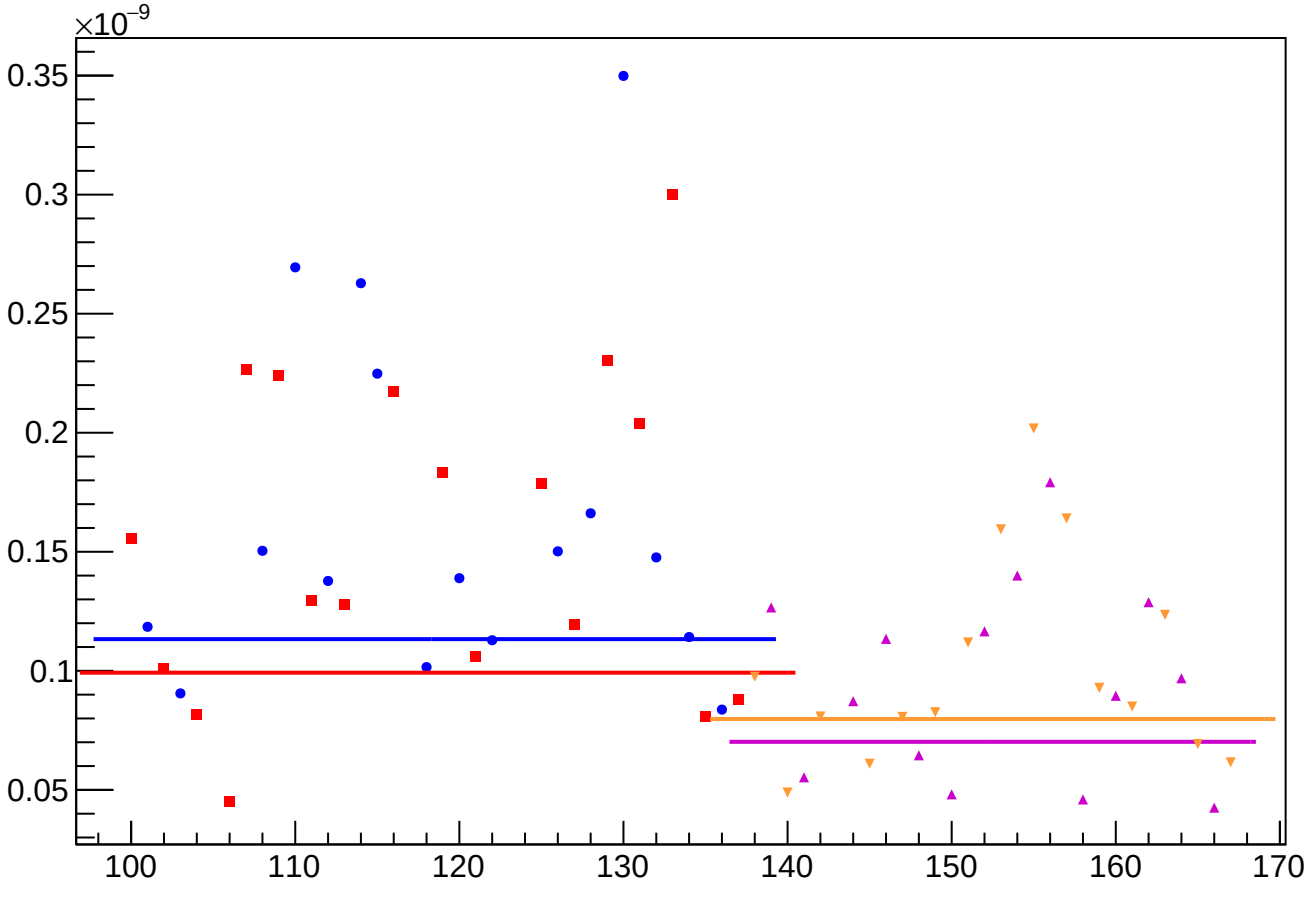
Left: 0.000+/-0.000 χ^2/NDF: 40.2/28

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:29.5/29

Out: 0.000+/-0.000 χ^2/NDF:47.7/32

All: 0.000+/-0.000 χ^2/NDF: 81.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1190094.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1508541.1/13

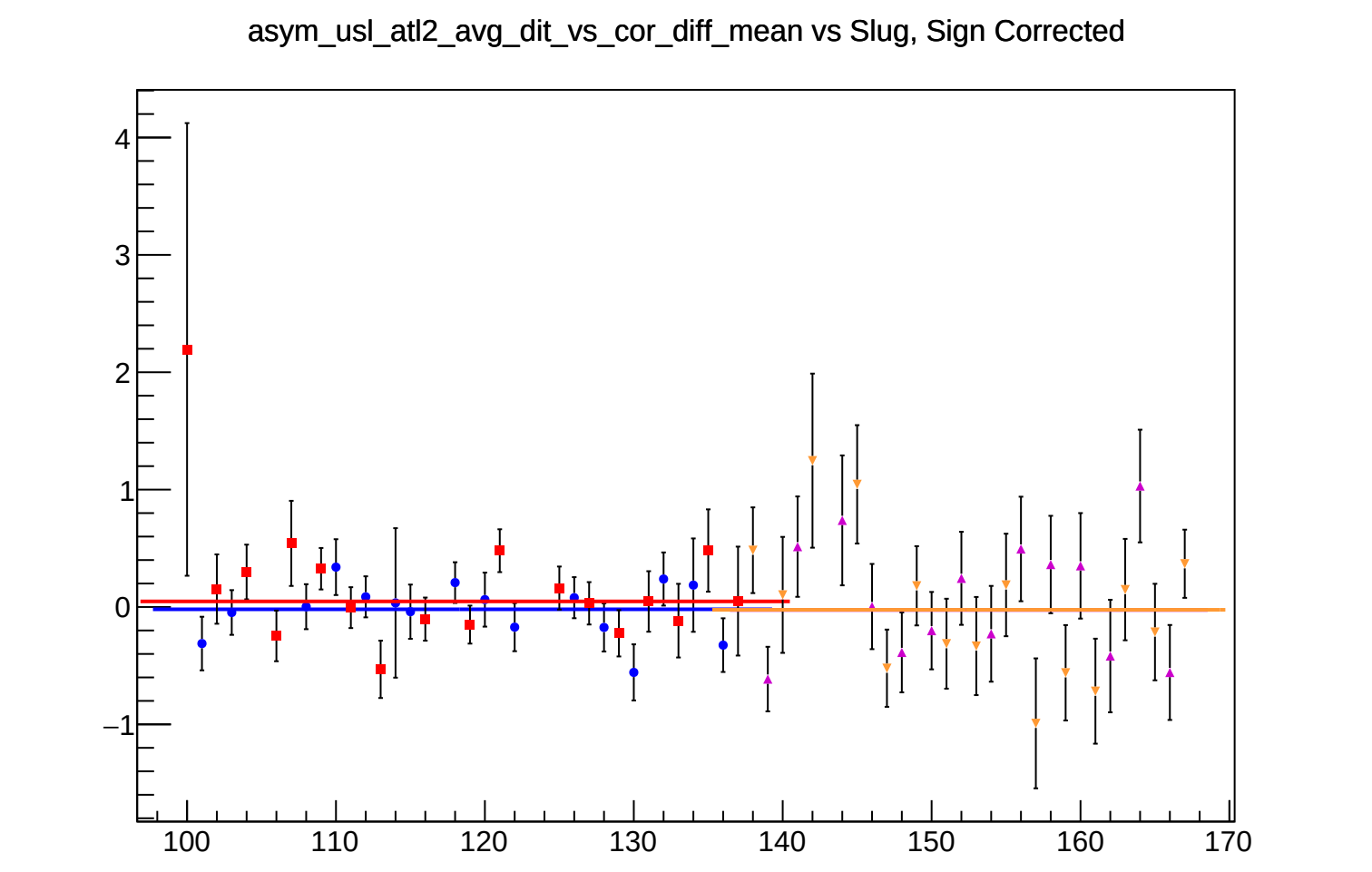
Left: 0.000+/-0.000 χ^2/NDF: 2762267.1/28

Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:2752819.8/29

Out: 0.000+/-0.000 χ^2/NDF:2420651.5/32

All: 0.000+/-0.000 χ^2/NDF: 5199776.8/62



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.024+/-0.105 χ^2/NDF:22.8/14

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.026+/-0.105 χ^2/NDF:20.4/13

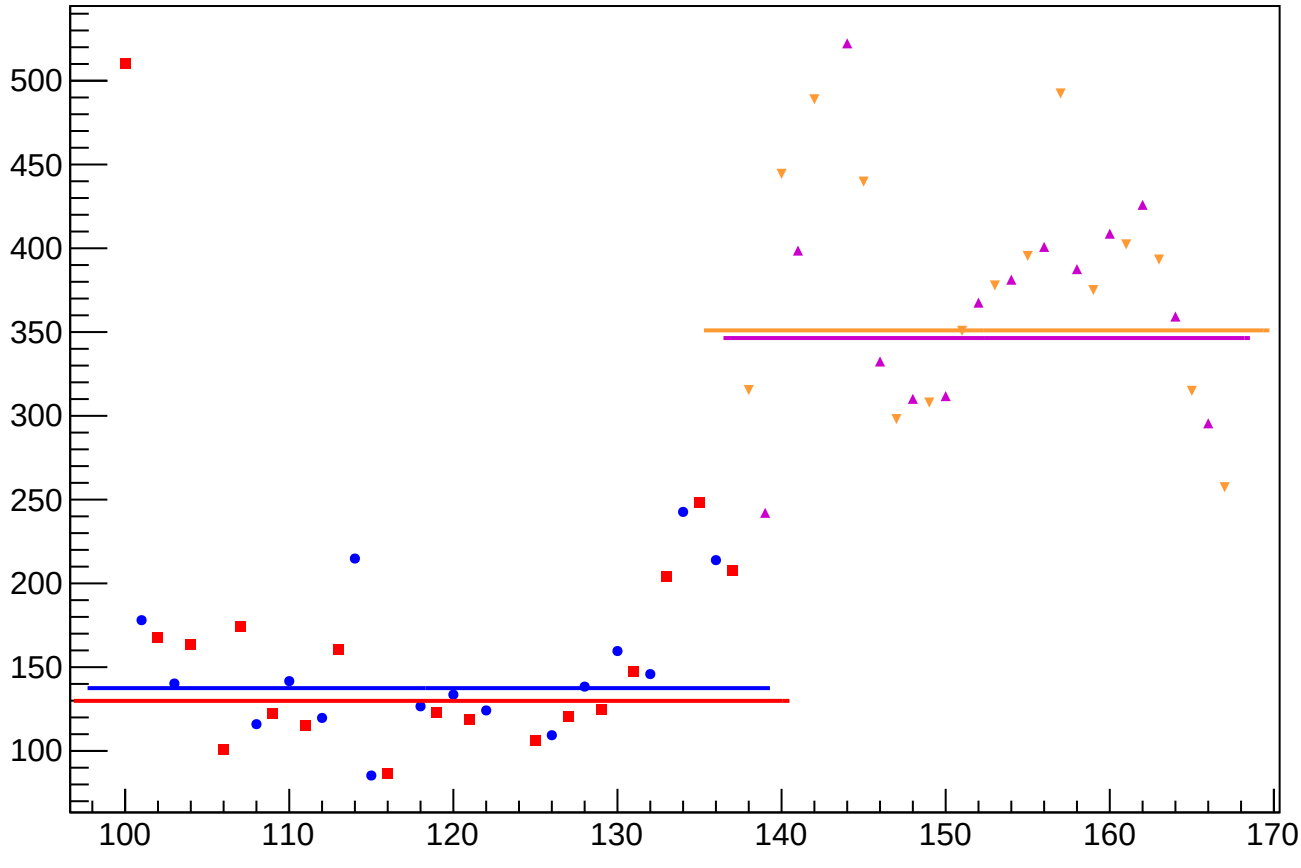
Left: -0.025+/-0.074 χ^2/NDF: 43.2/28

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.021+/-0.048 χ^2/NDF:36.4/29

Out: 0.033+/-0.047 χ^2/NDF:49.5/32

All: 0.007+/-0.034 χ^2/NDF: 86.5/62



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 351.002+/-0.074 χ^2/NDF:741159.0/14

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 346.430+/-0.074 χ^2/NDF:763277.6/13

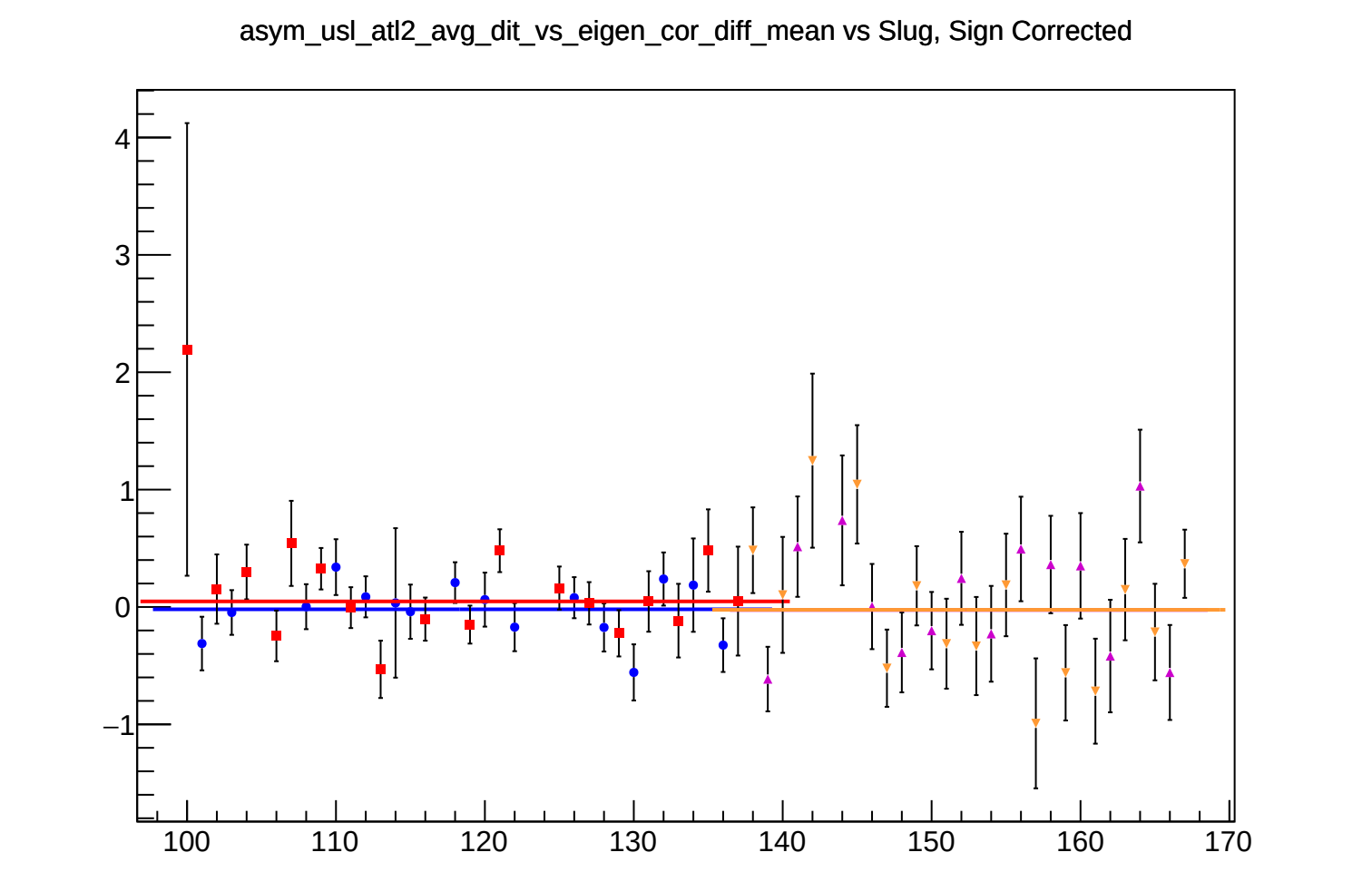
Left: 348.720+/-0.053 χ^2/NDF: 1506327.2/28

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 181.318+/-0.034 χ^2/NDF:7688962.8/29

Out: 174.057+/-0.033 χ^2/NDF:8663591.4/32

All: 177.594+/-0.024 χ^2/NDF: 16375840.9/62



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.024+/-0.105 χ^2/NDF:22.8/14

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.026+/-0.105 χ^2/NDF:20.4/13

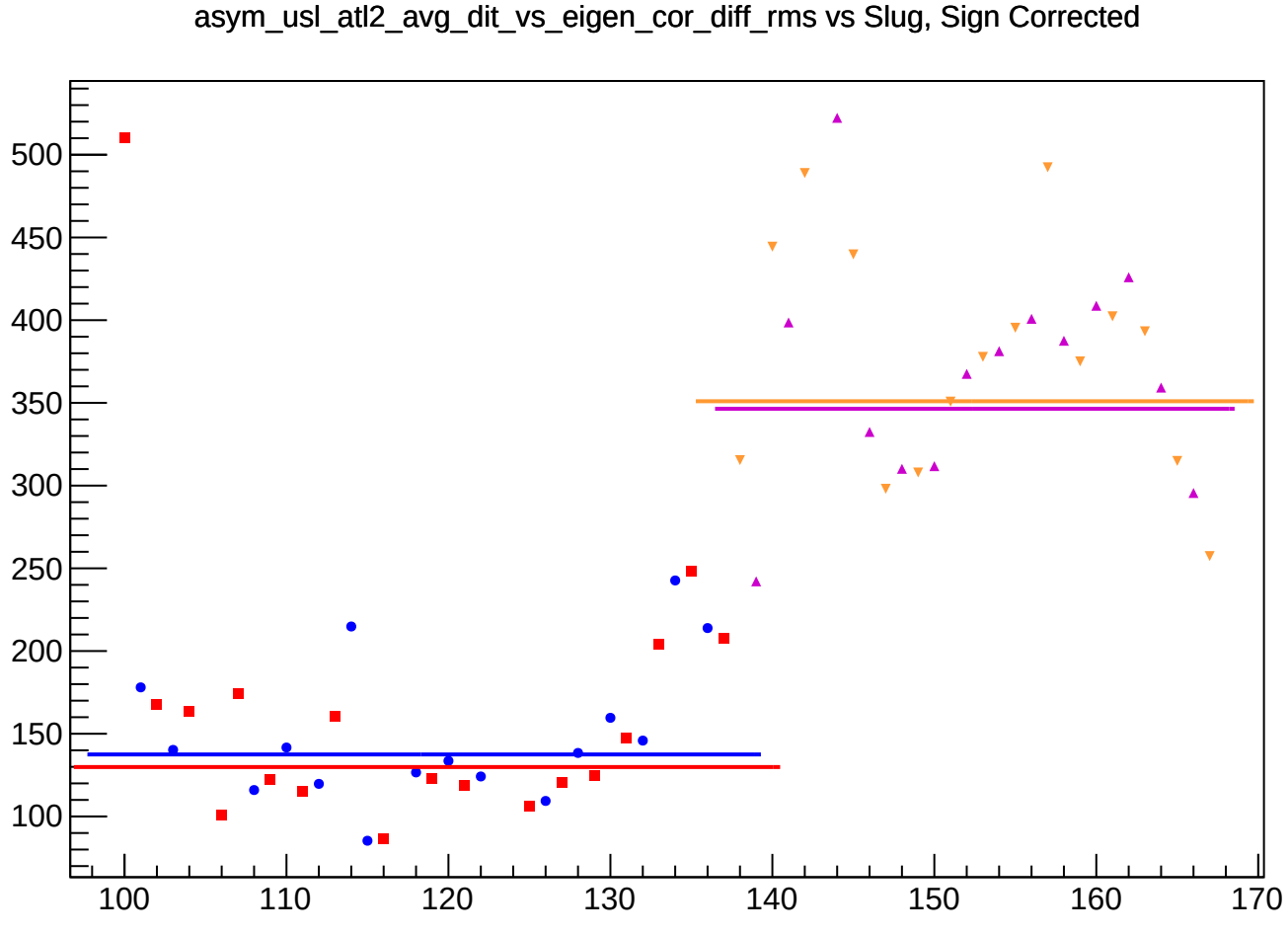
Left: -0.025+/-0.074 χ^2/NDF: 43.2/28

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.021+/-0.048 χ^2/NDF:36.4/29

Out: 0.033+/-0.047 χ^2/NDF:49.5/32

All: 0.007+/-0.034 χ^2/NDF: 86.5/62



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 351.002+/-0.074 χ^2/NDF:741159.0/14

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 346.430+/-0.074 χ^2/NDF:763277.6/13

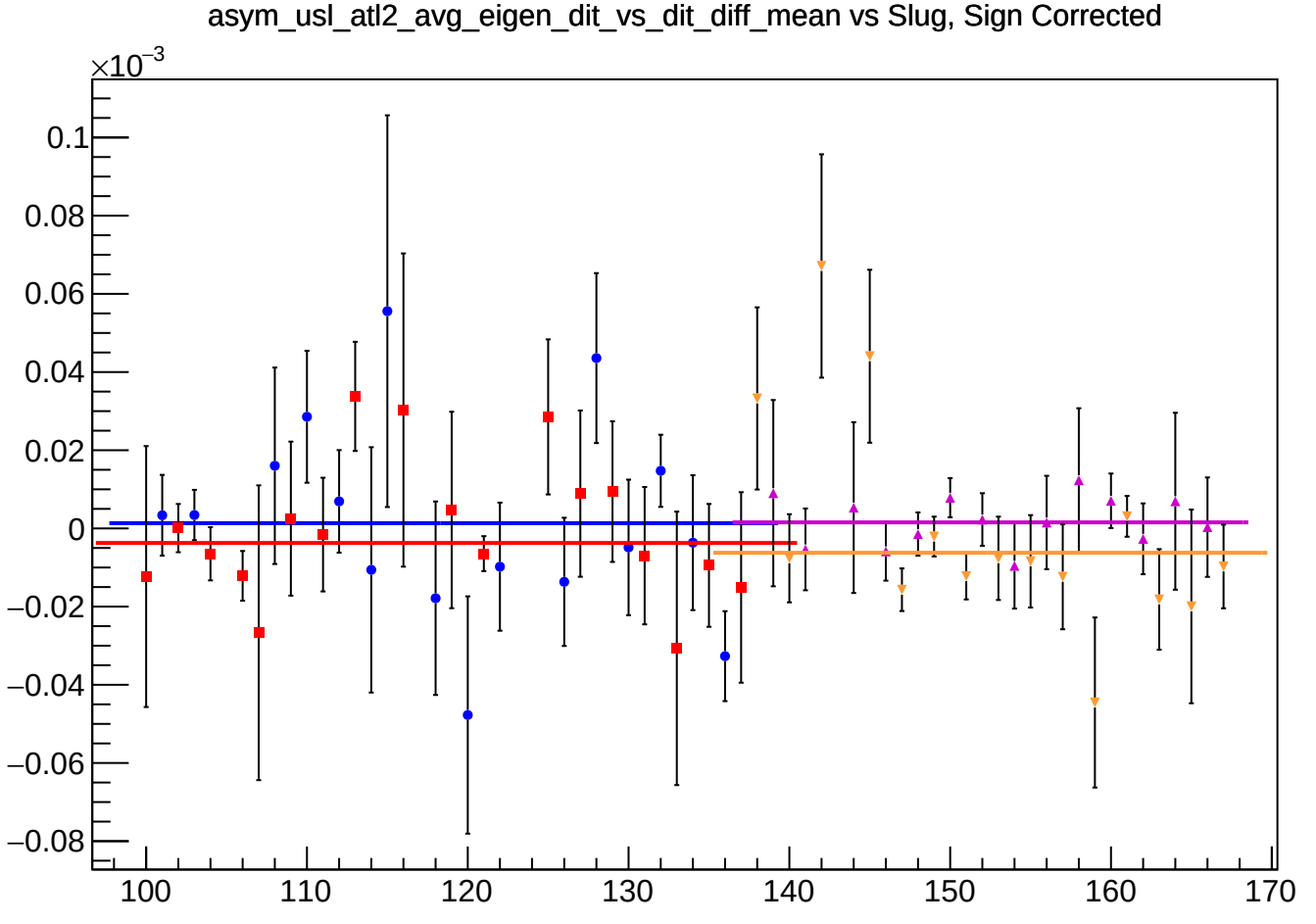
Left: 348.720+/-0.053 χ^2/NDF: 1506327.2/28

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

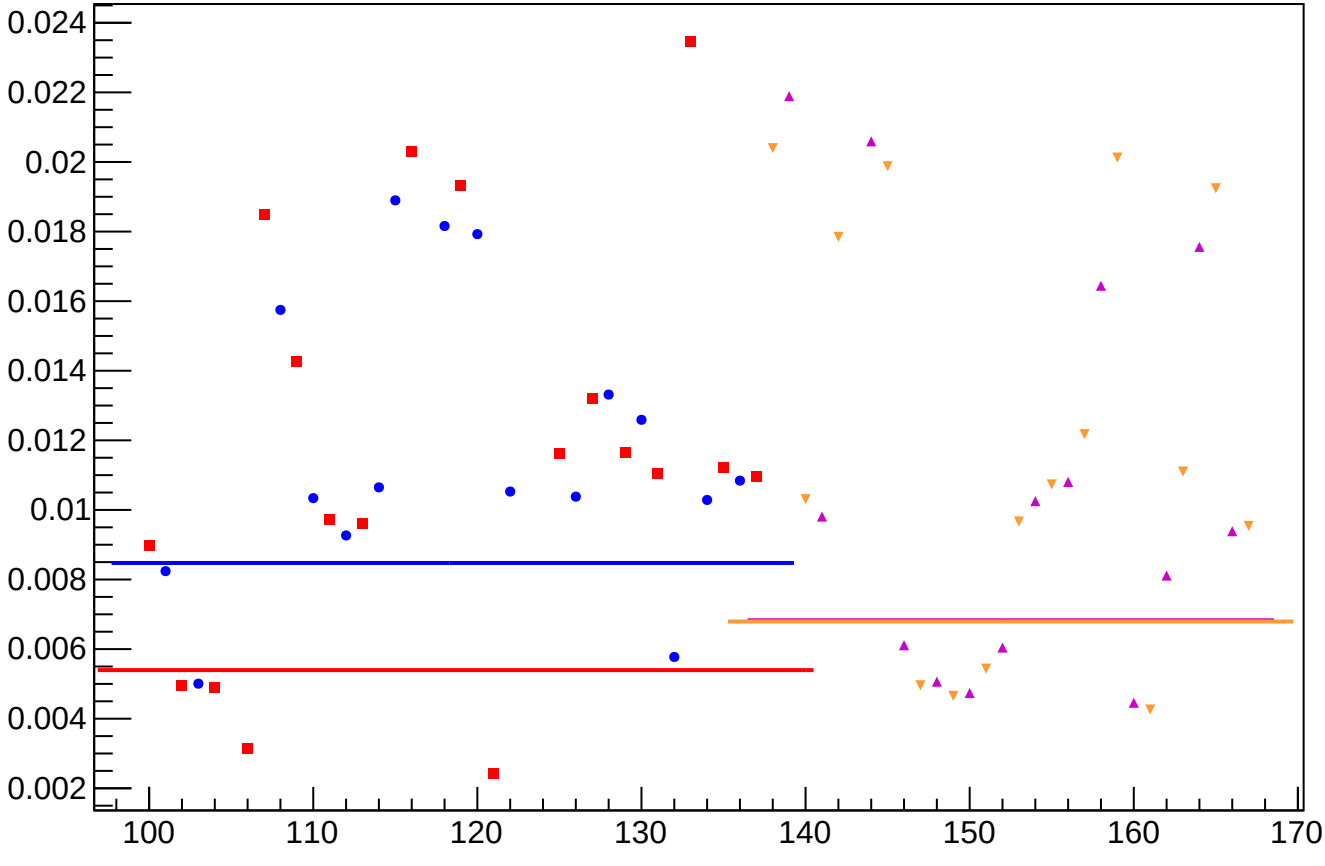
In: 181.318+/-0.034 χ^2/NDF:7688962.8/29

Out: 174.057+/-0.033 χ^2/NDF:8663591.4/32

All: 177.594+/-0.024 χ^2/NDF: 16375840.9/62


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: -0.000+/-0.000 χ²/NDF:27.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:5.7/13
Left: -0.000+/-0.000 χ²/NDF: 38.5/28
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:29.7/29
Out: -0.000+/-0.000 χ²/NDF:43.5/32
All: -0.000+/-0.000 χ²/NDF: 79.7/62

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:5328732.7/14

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:4118998.4/13

Left: 0.007+/-0.000 χ^2/NDF: 9447985.8/28

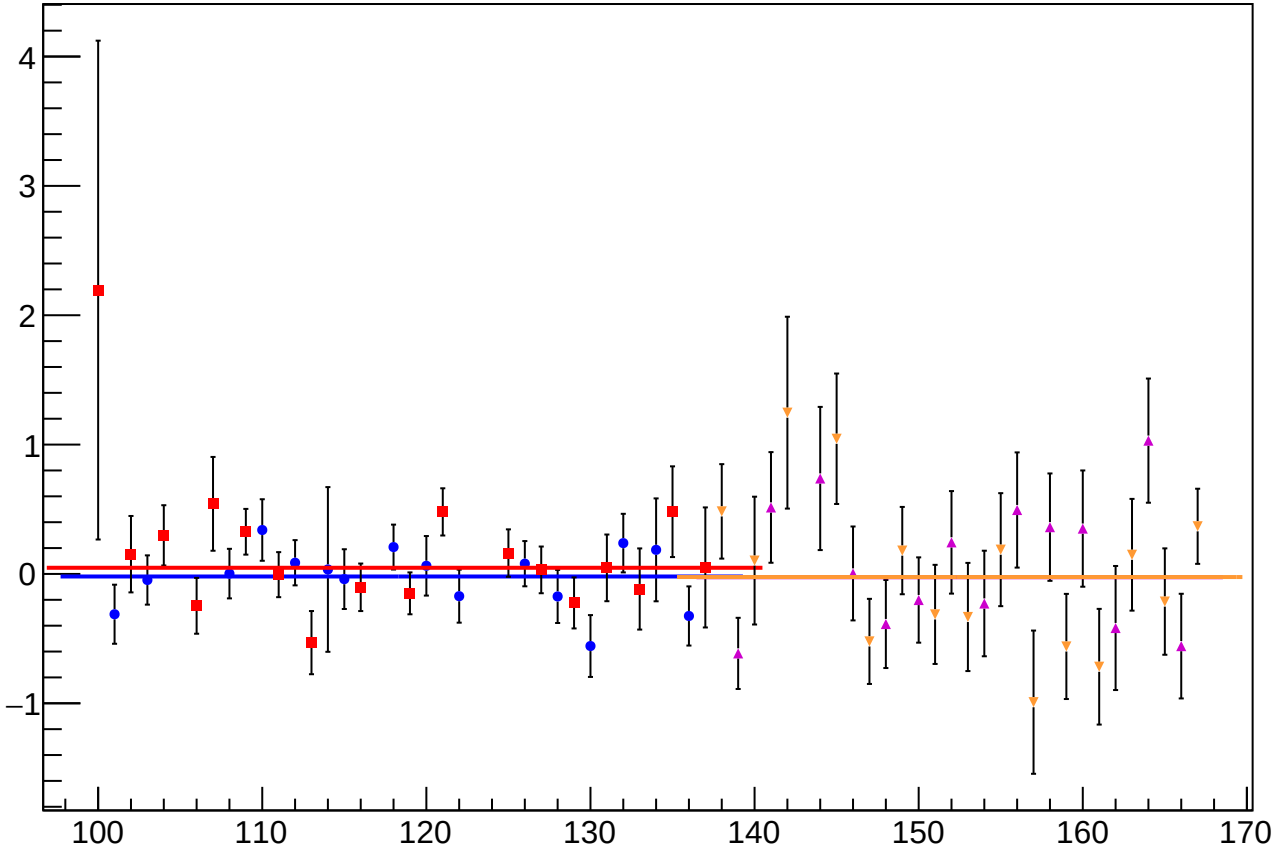
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:6358284.3/29

Out: 0.006+/-0.000 χ^2/NDF:10572333.1/32

All: 0.007+/-0.000 χ^2/NDF: 17354139.3/62

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.024+/-0.105 χ^2/NDF:22.8/14

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.026+/-0.105 χ^2/NDF:20.4/13

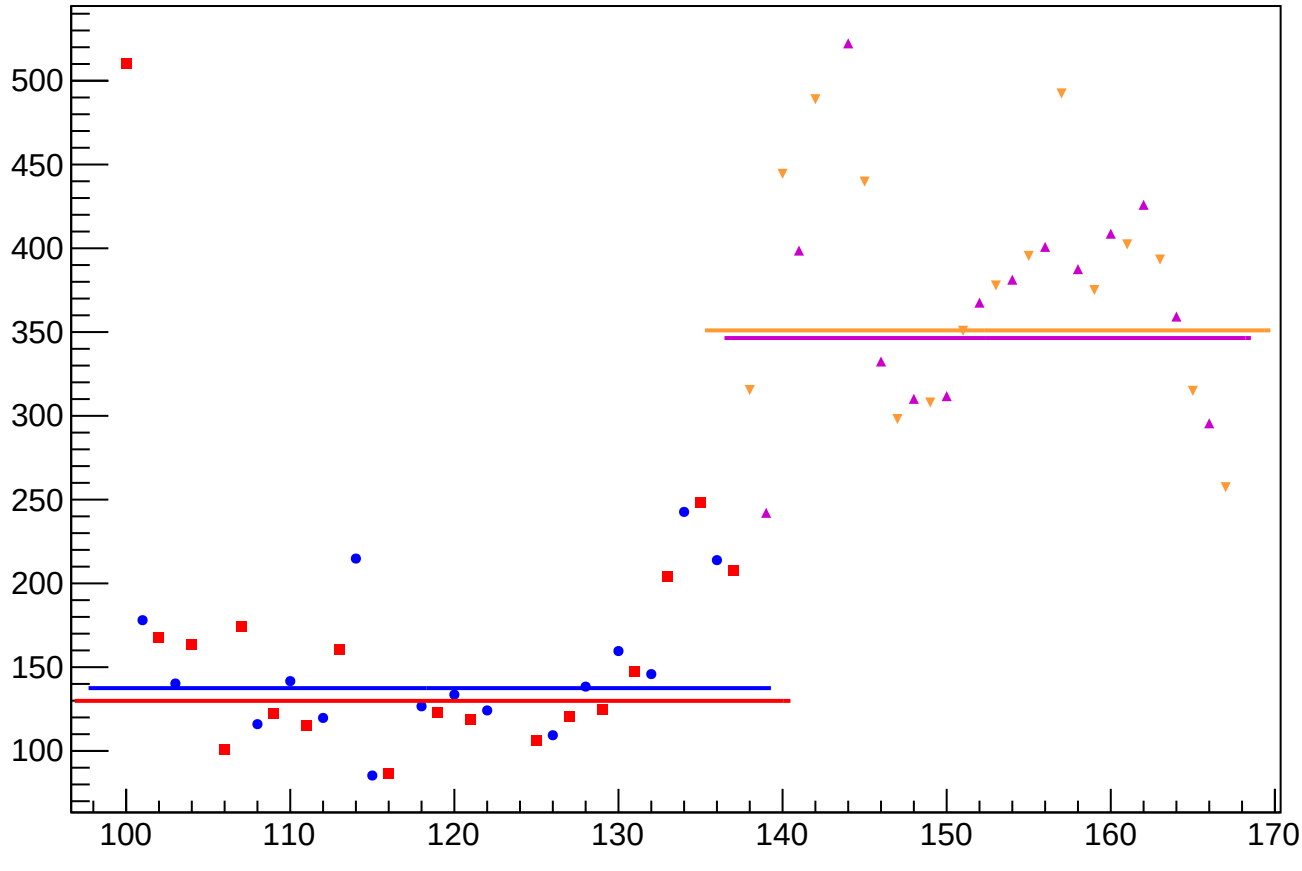
Left: -0.025+/-0.074 χ^2/NDF: 43.2/28

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.021+/-0.048 χ^2/NDF:36.4/29

Out: 0.033+/-0.047 χ^2/NDF:49.5/32

All: 0.007+/-0.034 χ^2/NDF: 86.5/62



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 351.006+/-0.074 χ^2/NDF:741205.1/14

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 346.436+/-0.074 χ^2/NDF:763271.8/13

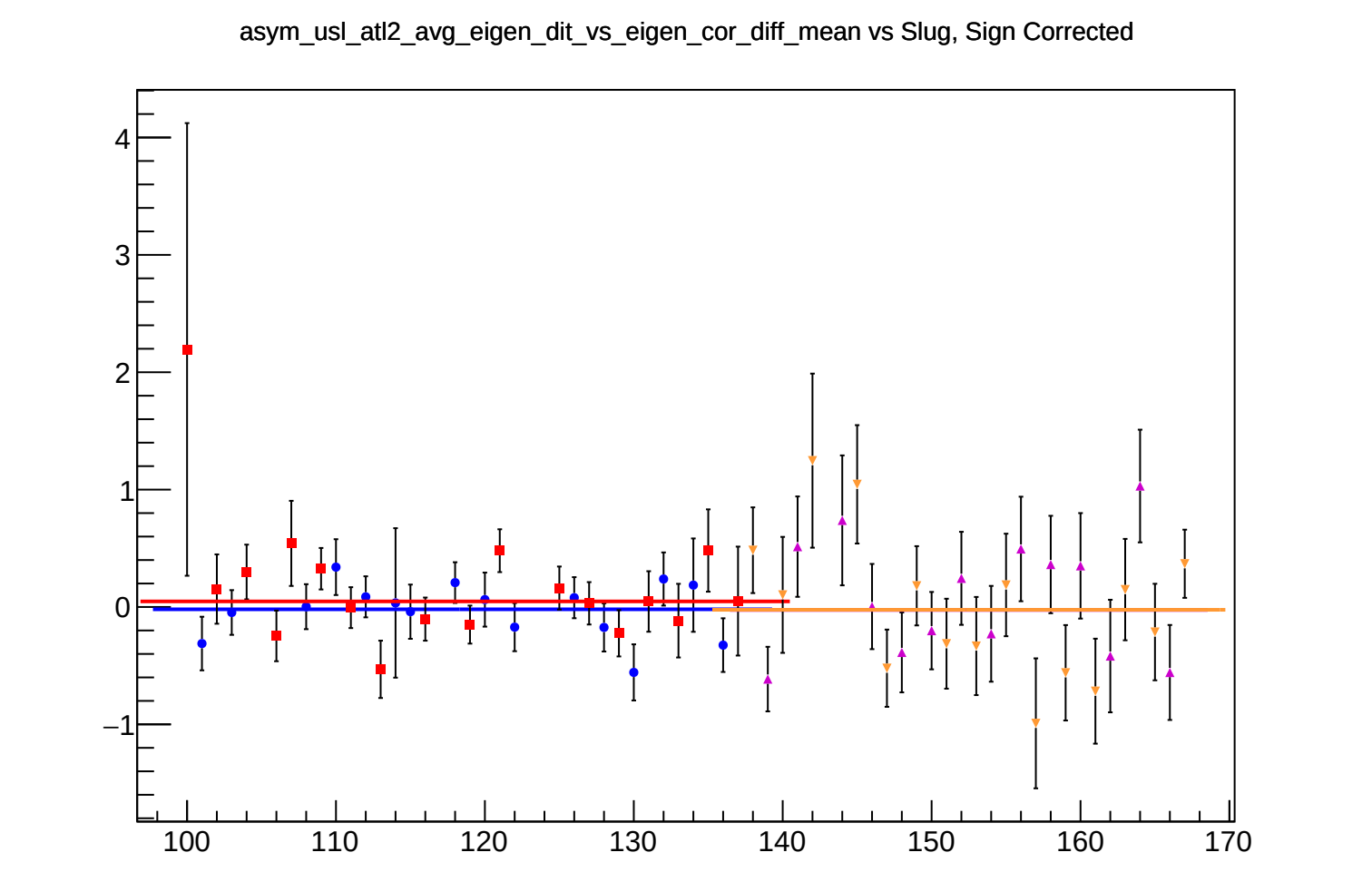
Left: 348.724+/-0.053 χ^2/NDF: 1506366.6/28

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 181.317+/-0.034 χ^2/NDF:7689108.5/29

Out: 174.057+/-0.033 χ^2/NDF:8663721.6/32

All: 177.594+/-0.024 χ^2/NDF: 16376116.9/62



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.024+/-0.105 χ^2/NDF:22.8/14

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.026+/-0.105 χ^2/NDF:20.4/13

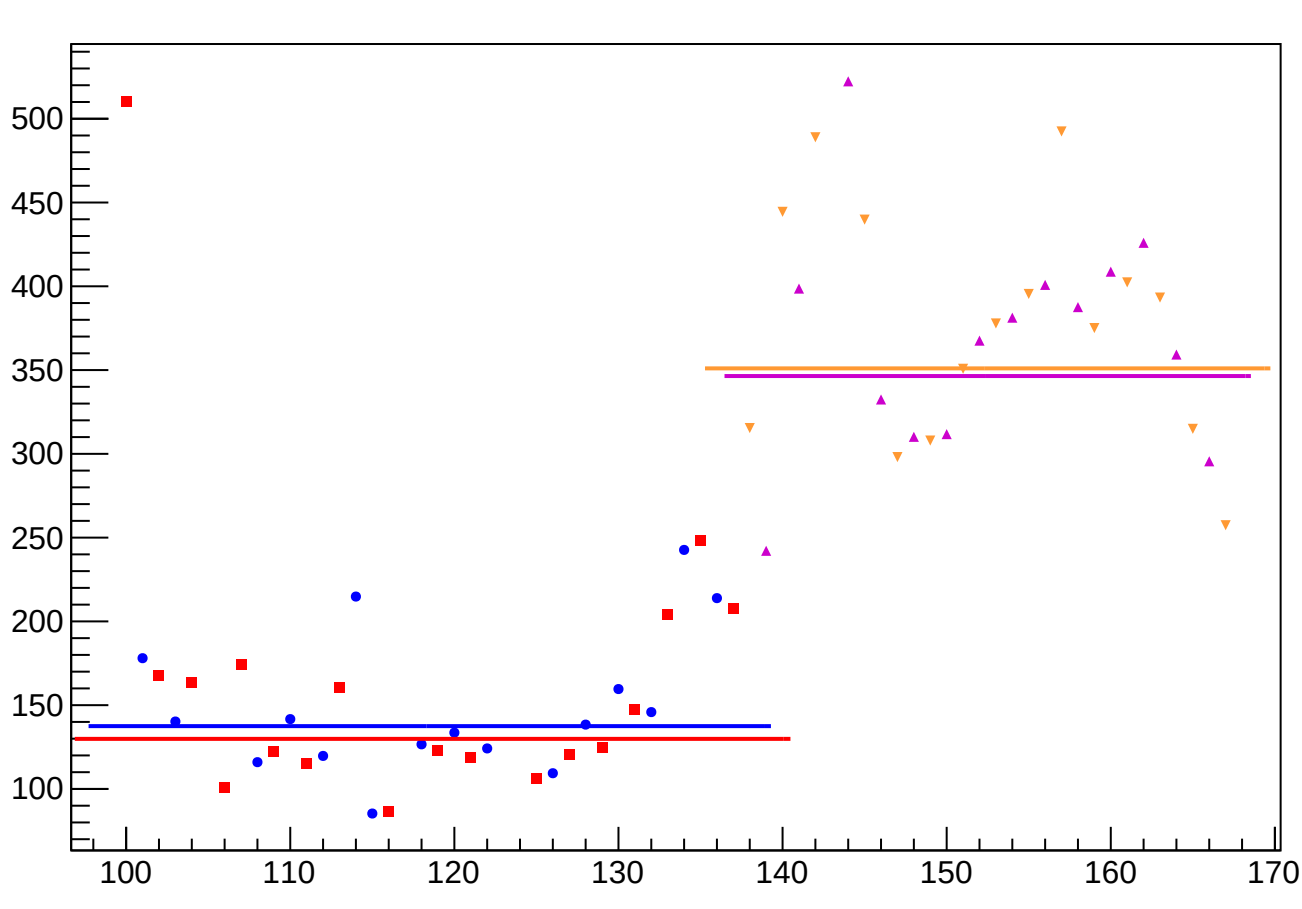
Left: -0.025+/-0.074 χ^2/NDF: 43.2/28

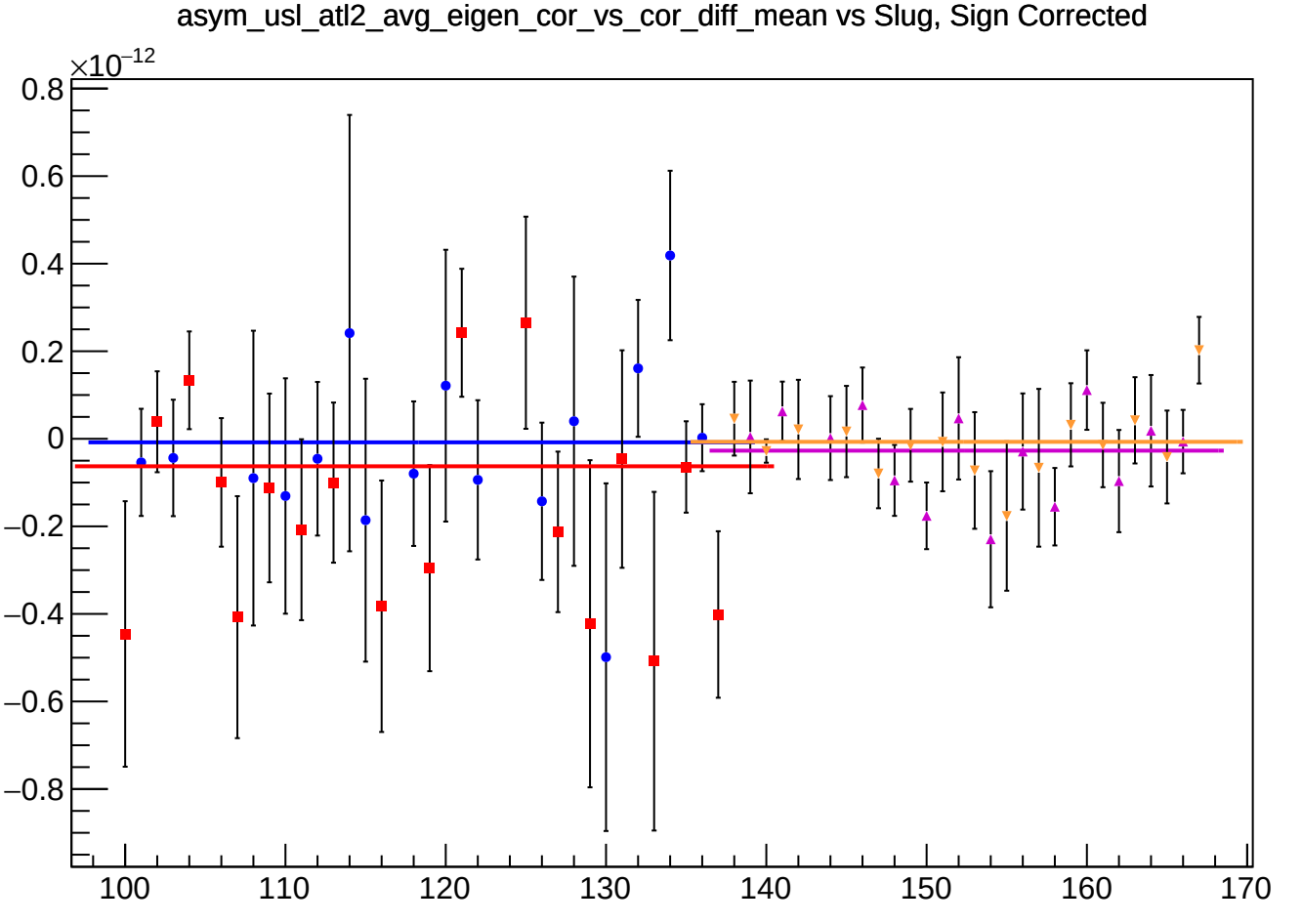
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

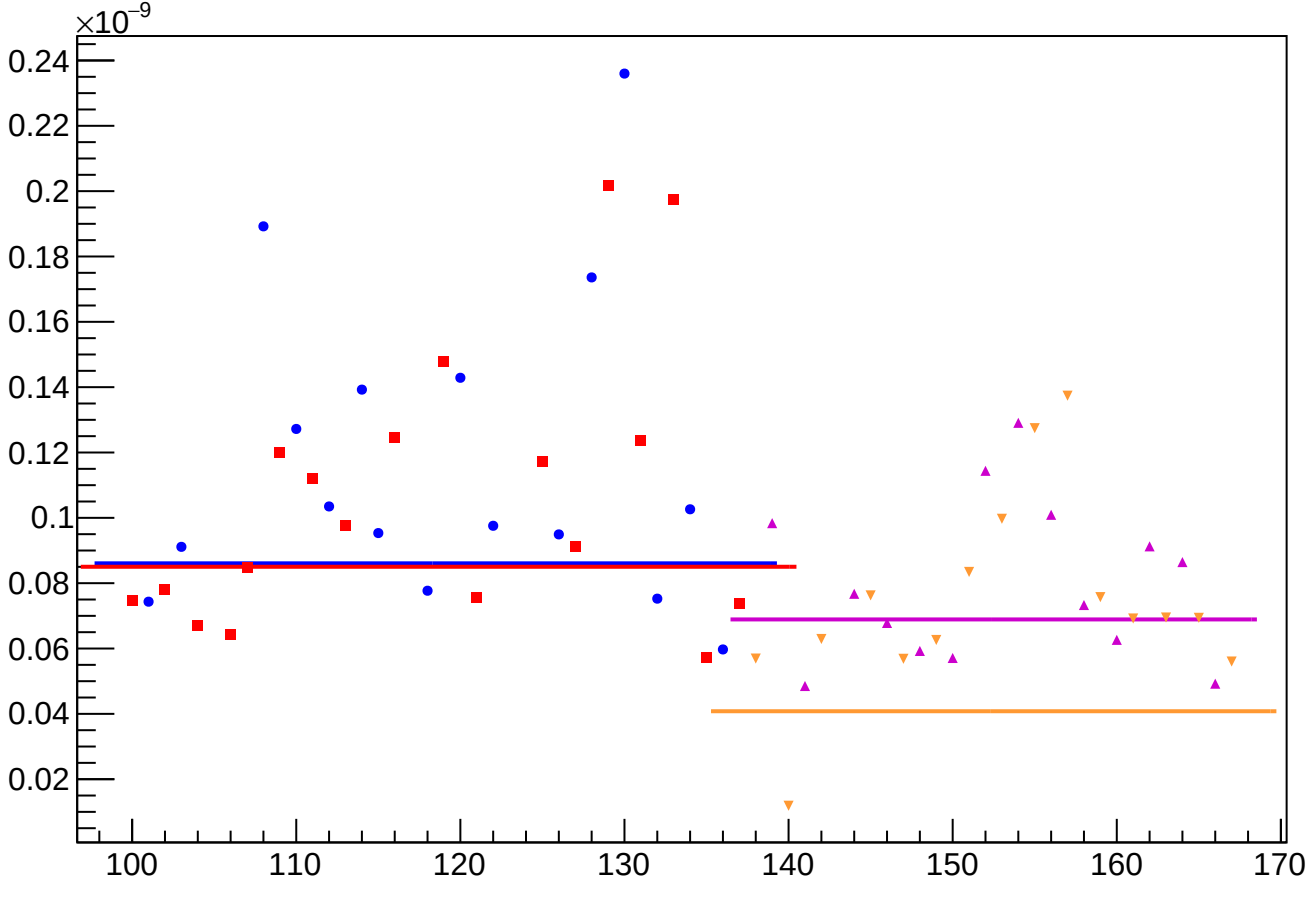
In: -0.021+/-0.048 χ^2/NDF:36.4/29

Out: 0.033+/-0.047 χ^2/NDF:49.5/32

All: 0.007+/-0.034 χ^2/NDF: 86.5/62


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
170
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 351.006+/-0.074 χ²/NDF:741205.1/14
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 346.436+/-0.074 χ²/NDF:763271.8/13
Left: 348.724+/-0.053 χ²/NDF: 1506366.6/28
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 181.317+/-0.034 χ²/NDF:7689108.5/29
Out: 174.057+/-0.033 χ²/NDF:8663721.6/32
All: 177.594+/-0.024 χ²/NDF: 16376116.9/62


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:11.4/14
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.9/13
Left: -0.000+/-0.000 χ²/NDF: 26.7/28
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:24.8/29
Out: -0.000+/-0.000 χ²/NDF:35.1/32
All: -0.000+/-0.000 χ²/NDF: 59.9/62



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5557421.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1276662.5/13

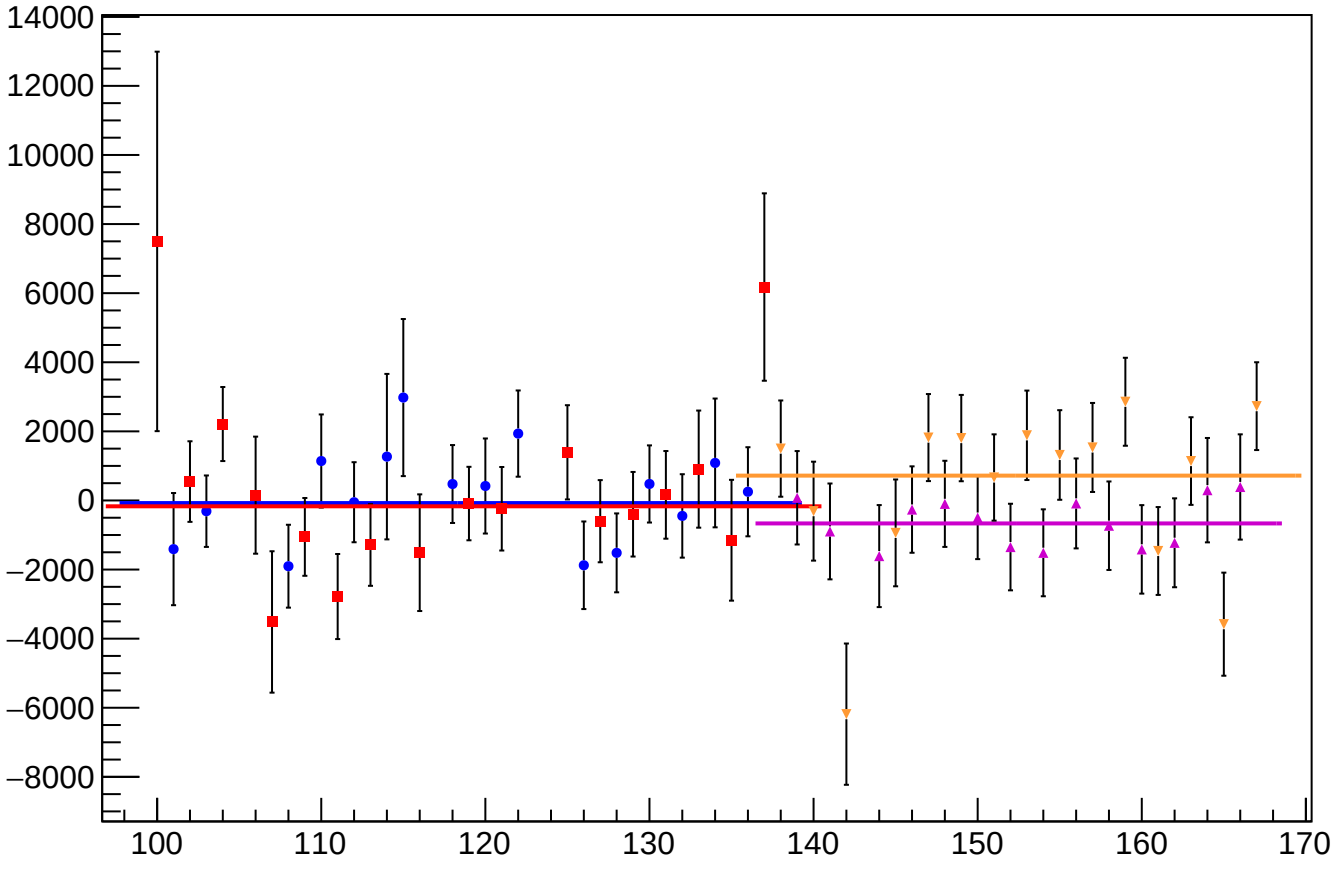
Left: 0.000+/-0.000 χ^2/NDF: 8424064.0/28

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:2590362.9/29

Out: 0.000+/-0.000 χ^2/NDF:8404347.1/32

All: 0.000+/-0.000 χ^2/NDF: 12633247.9/62



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 718.795+/-347.271 χ^2/NDF:33.0/14

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -664.915+/-352.413 χ^2/NDF:3.4/13

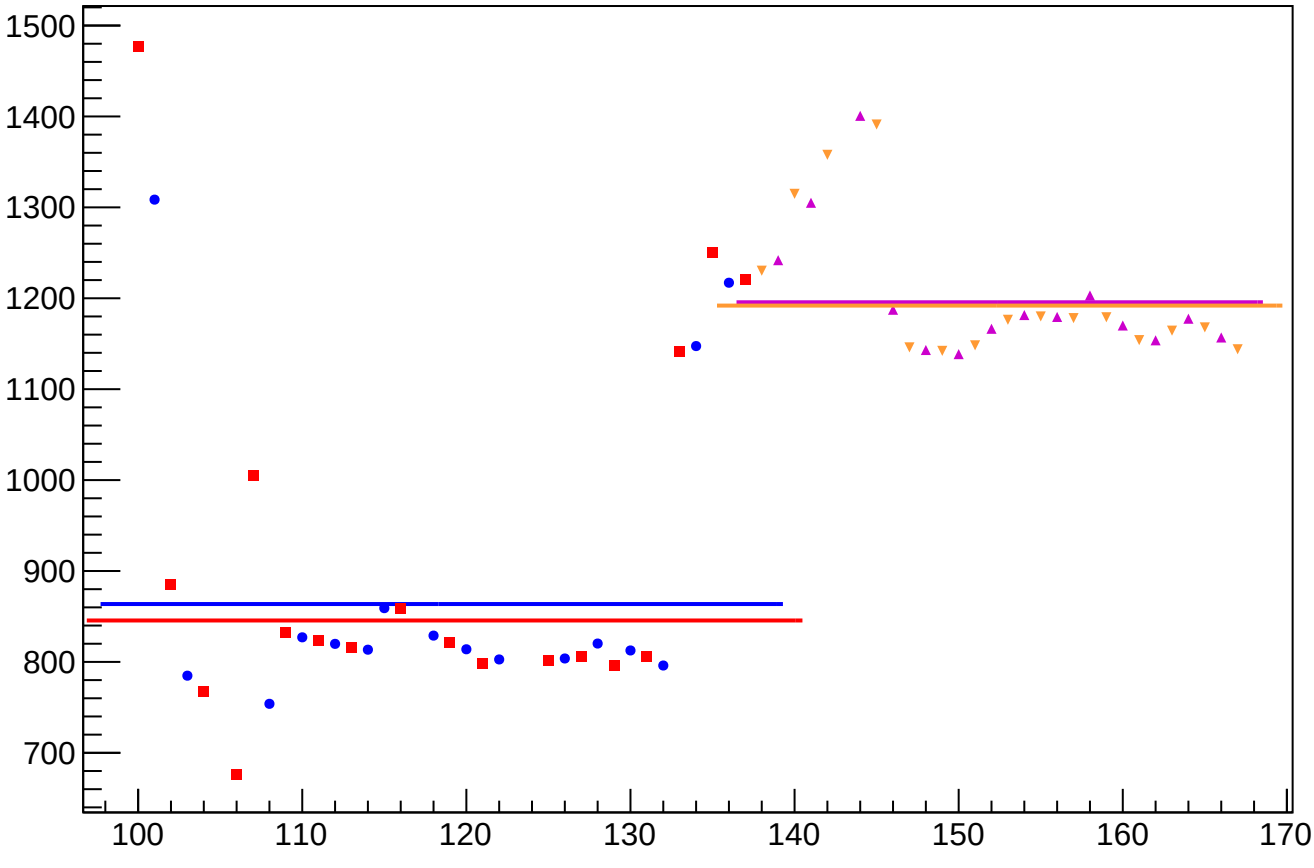
Left: 37.108+/-247.355 χ^2/NDF: 44.3/28

Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -347.737+/-239.400 χ^2/NDF:18.3/29

Out: 241.001+/-236.049 χ^2/NDF:60.9/32

All: -49.220+/-168.084 χ^2/NDF: 82.3/62



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1191.958+/-0.246 χ^2/NDF:77921.8/14

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1195.601+/-0.249 χ^2/NDF:67723.1/13

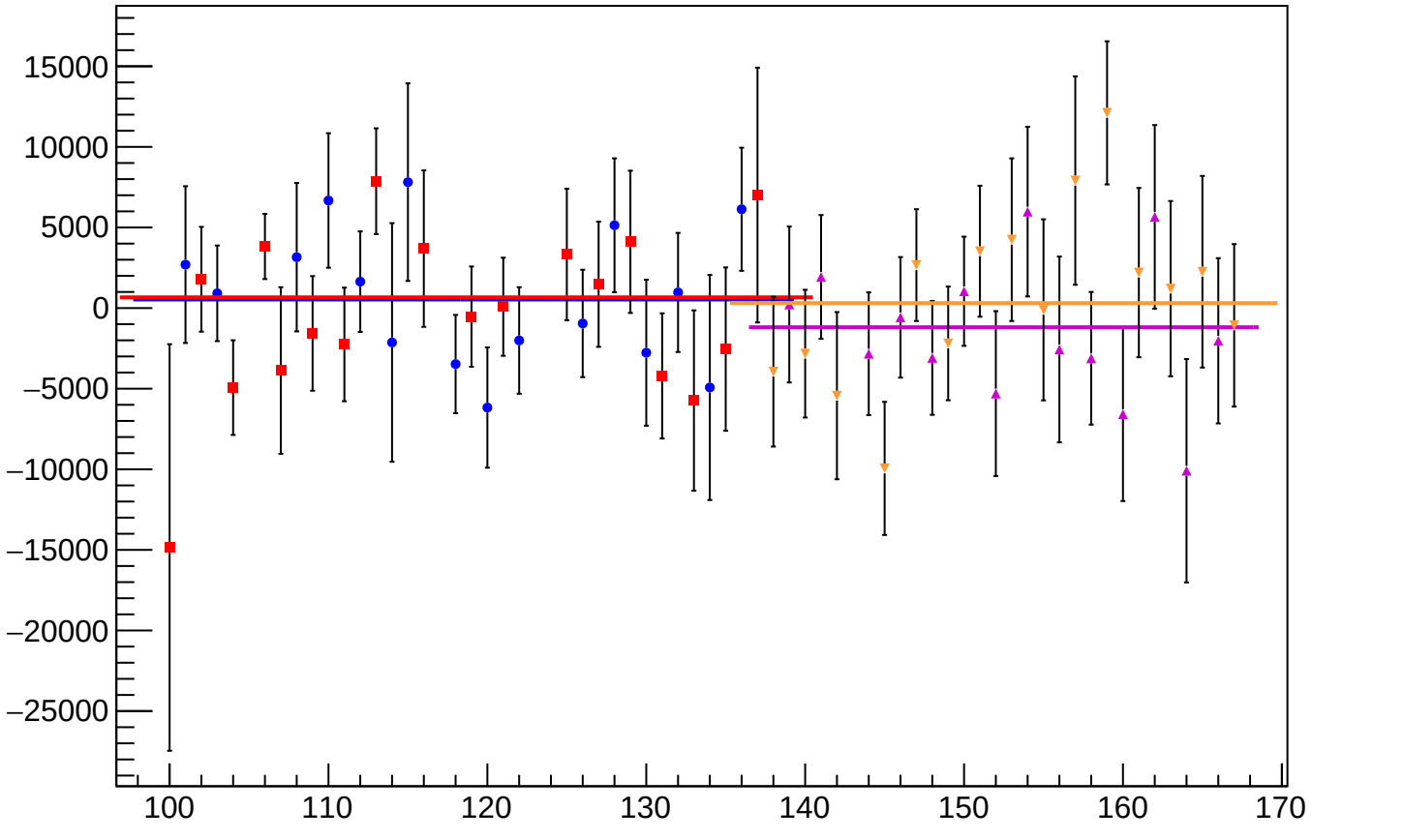
Left: 1193.753+/-0.175 χ^2/NDF: 145753.4/28

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1016.842+/-0.169 χ^2/NDF:1430775.5/29

Out: 1003.477+/-0.166 χ^2/NDF:1468411.8/32

All: 1010.020+/-0.118 χ^2/NDF: 2902369.0/62



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 308.024+/-1183.901 χ^2/NDF:19.9/14

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -1189.138+/-1189.938 χ^2/NDF:8.6/13

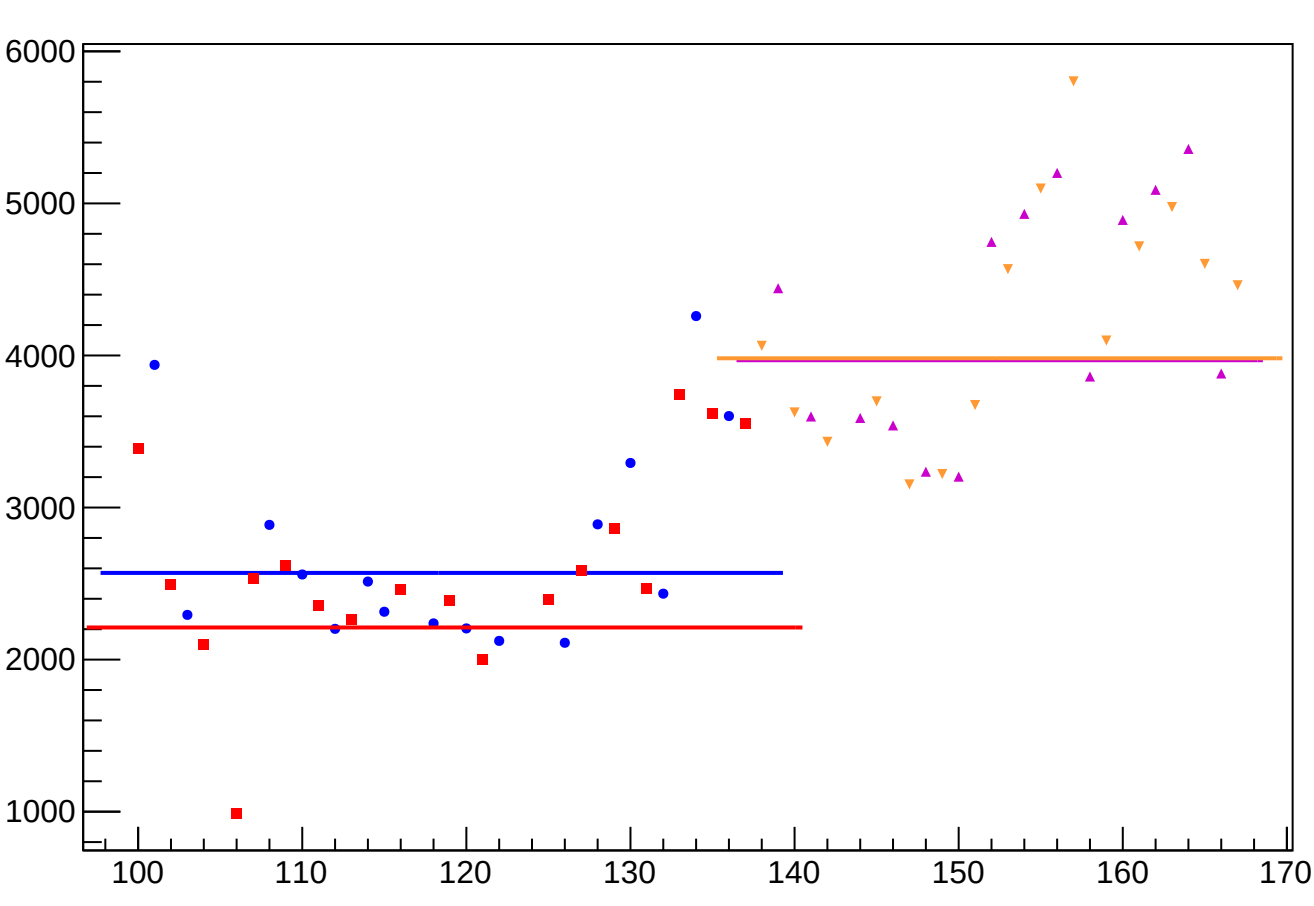
Left: -436.750+/-839.271 χ^2/NDF: 29.2/28

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: -163.195+/-757.069 χ^2/NDF:24.5/29

Out: 541.338+/-698.422 χ^2/NDF:39.9/32

All: 217.413+/-513.342 χ^2/NDF: 64.8/62



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3981.548+/-0.837 χ^2/NDF:679926.3/14

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3968.769+/-0.841 χ^2/NDF:695465.9/13

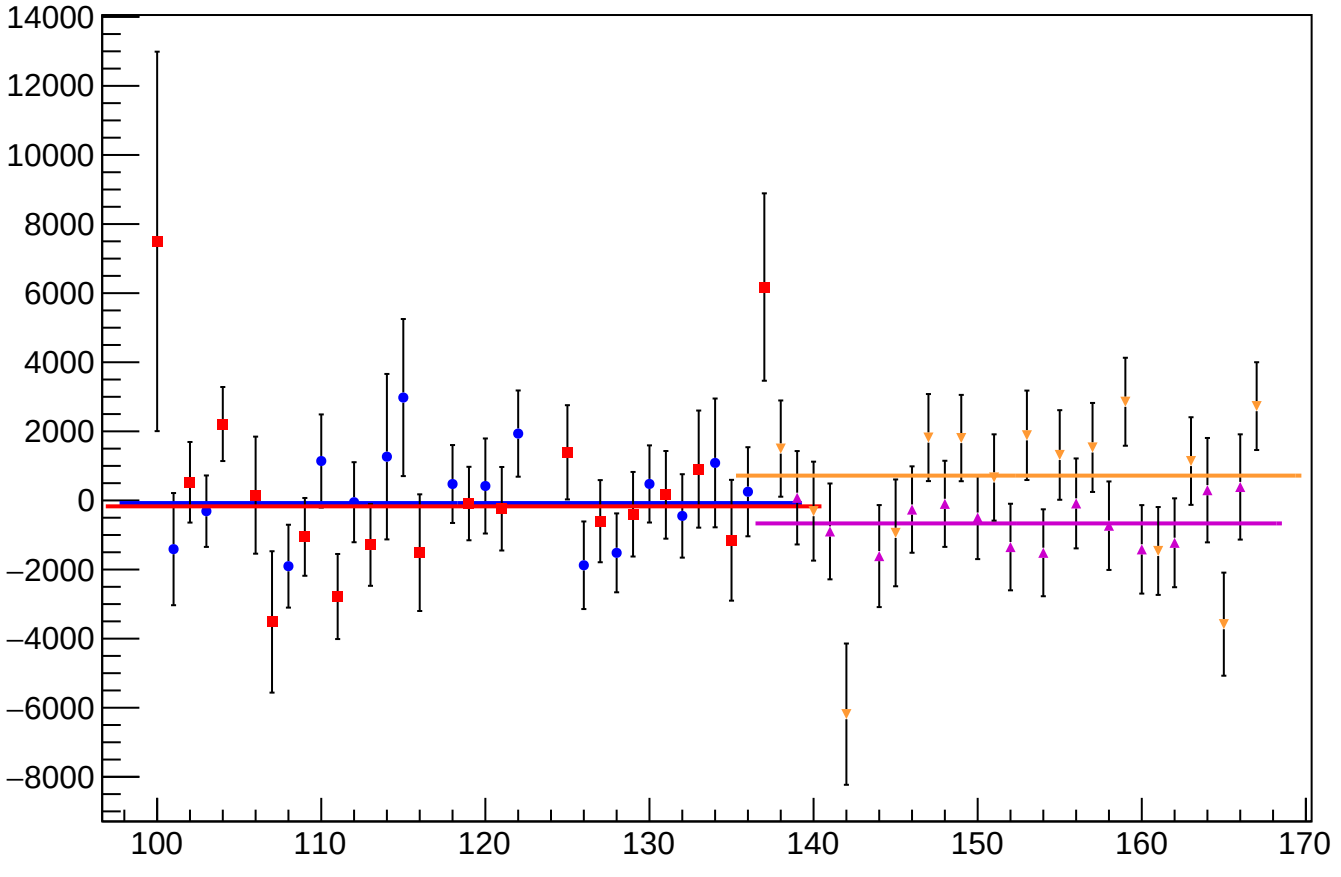
Left: 3975.191+/-0.593 χ^2/NDF: 1375508.2/28

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3136.278+/-0.535 χ^2/NDF:3002561.7/29

Out: 2827.363+/-0.494 χ^2/NDF:4859533.0/32

All: 2969.393+/-0.363 χ^2/NDF: 8041987.9/62



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 718.781+/-347.271 χ^2/NDF:33.0/14

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -664.936+/-352.413 χ^2/NDF:3.4/13

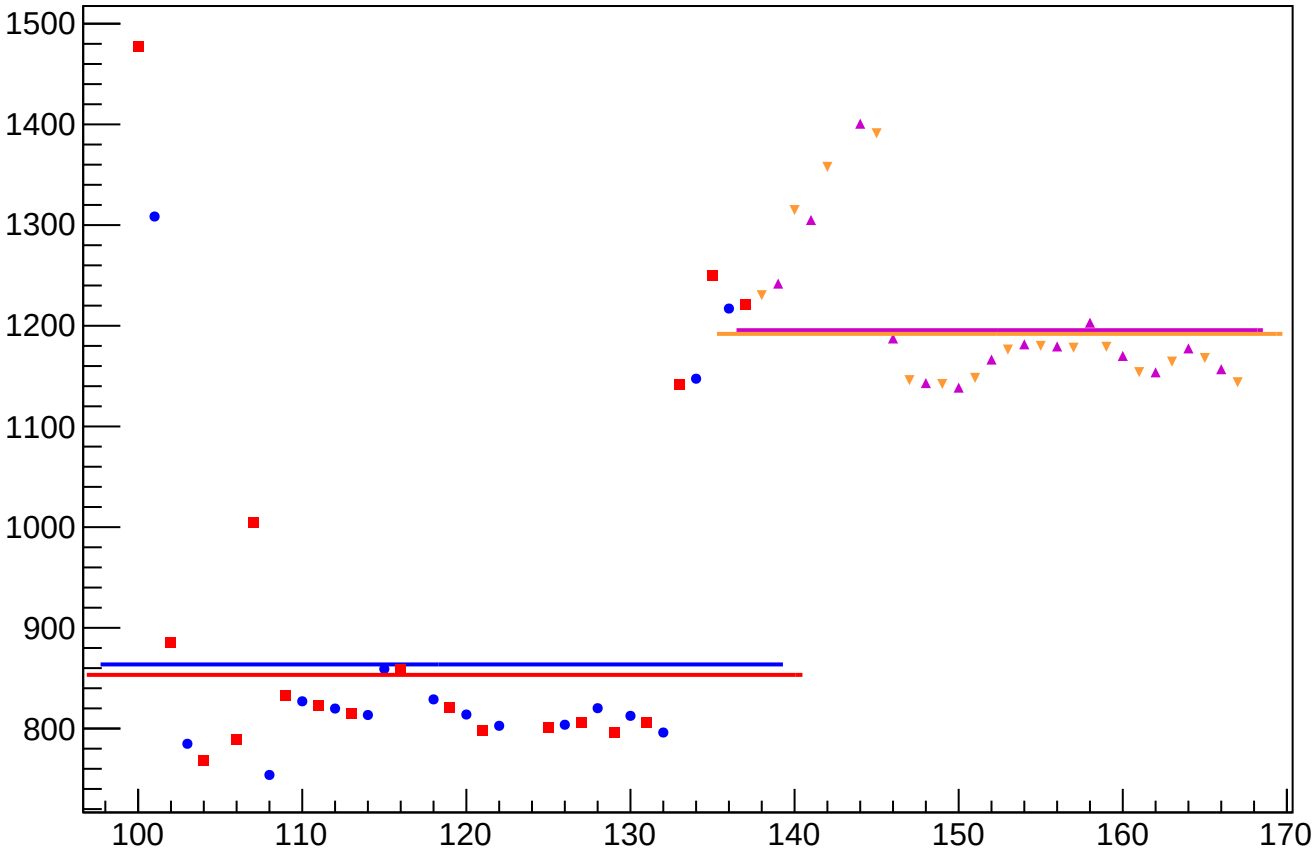
Left: 37.090+/-247.355 χ^2/NDF: 44.3/28

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -347.789+/-239.400 χ^2/NDF:18.3/29

Out: 240.120+/-236.051 χ^2/NDF:60.9/32

All: -49.694+/-168.085 χ^2/NDF: 82.3/62


cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected
1500
1400
1300
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130
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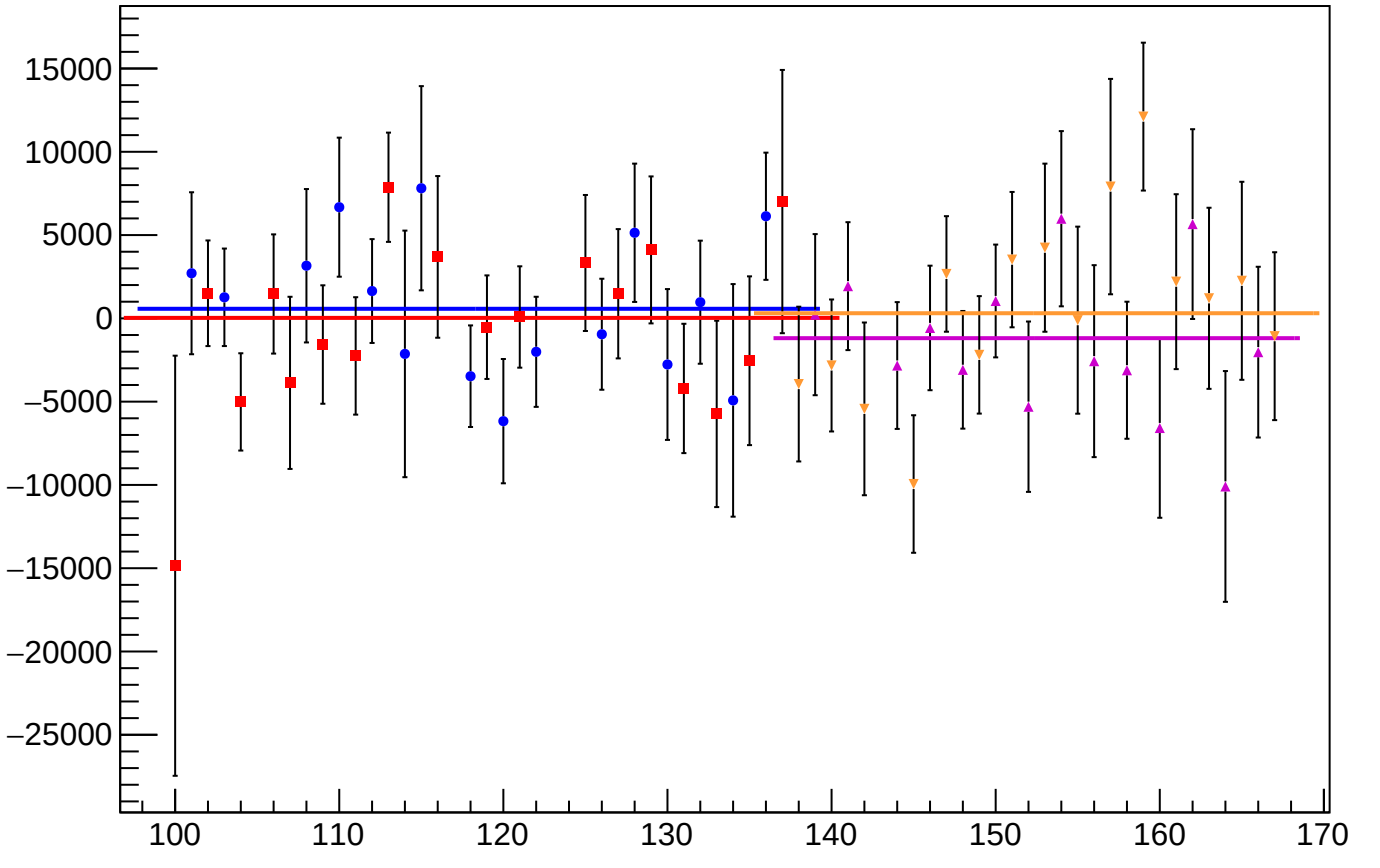
160
170
Right In: 863.661+/-0.231 χ²/NDF: 407498.5/15
Left Out: 1191.958+/-0.246 χ²/NDF:77921.8/14
Right Out: 853.289+/-0.226 χ²/NDF: 275357.1/17
Left In: 1195.601+/-0.249 χ²/NDF:67723.1/13
Left: 1193.753+/-0.175 χ²/NDF: 145753.4/28
Right: 858.378+/-0.162 χ²/NDF: 683885.4/33
In: 1016.842+/-0.169 χ²/NDF:1430775.6/29
Out: 1008.895+/-0.166 χ²/NDF:1381459.0/32
All: 1012.802+/-0.119 χ²/NDF: 2813355.0/62



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 308.041+/-1183.902 χ^2/NDF:19.9/14

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -1189.180+/-1189.936 χ^2/NDF:8.6/13

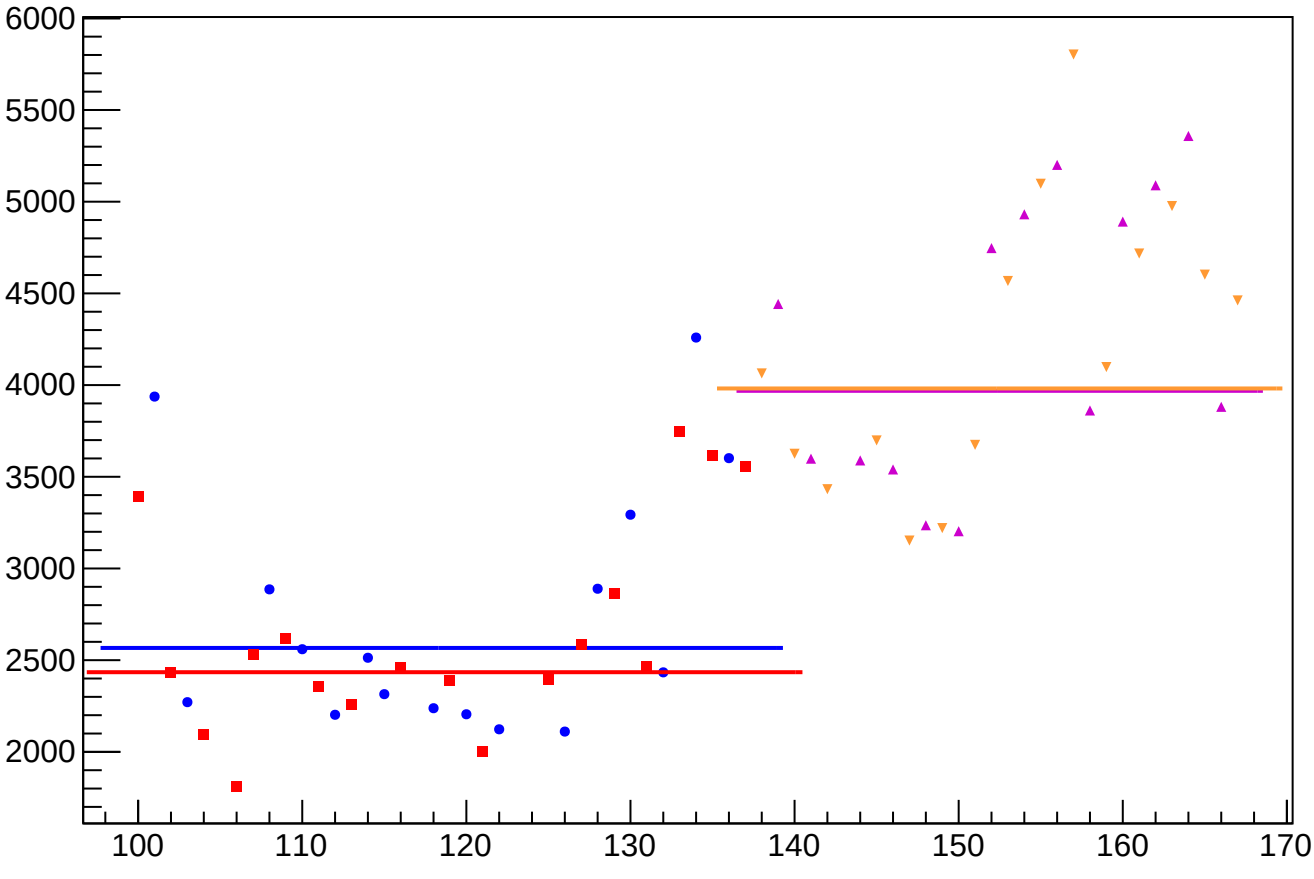
Left: -436.763+/-839.270 χ^2/NDF: 29.2/28

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -137.889+/-756.409 χ^2/NDF:24.6/29

Out: 134.116+/-727.485 χ^2/NDF:37.1/32

All: 3.413+/-524.337 χ^2/NDF: 61.8/62



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3981.548+/-0.837 χ^2/NDF:679926.0/14

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3968.764+/-0.841 χ^2/NDF:695468.0/13

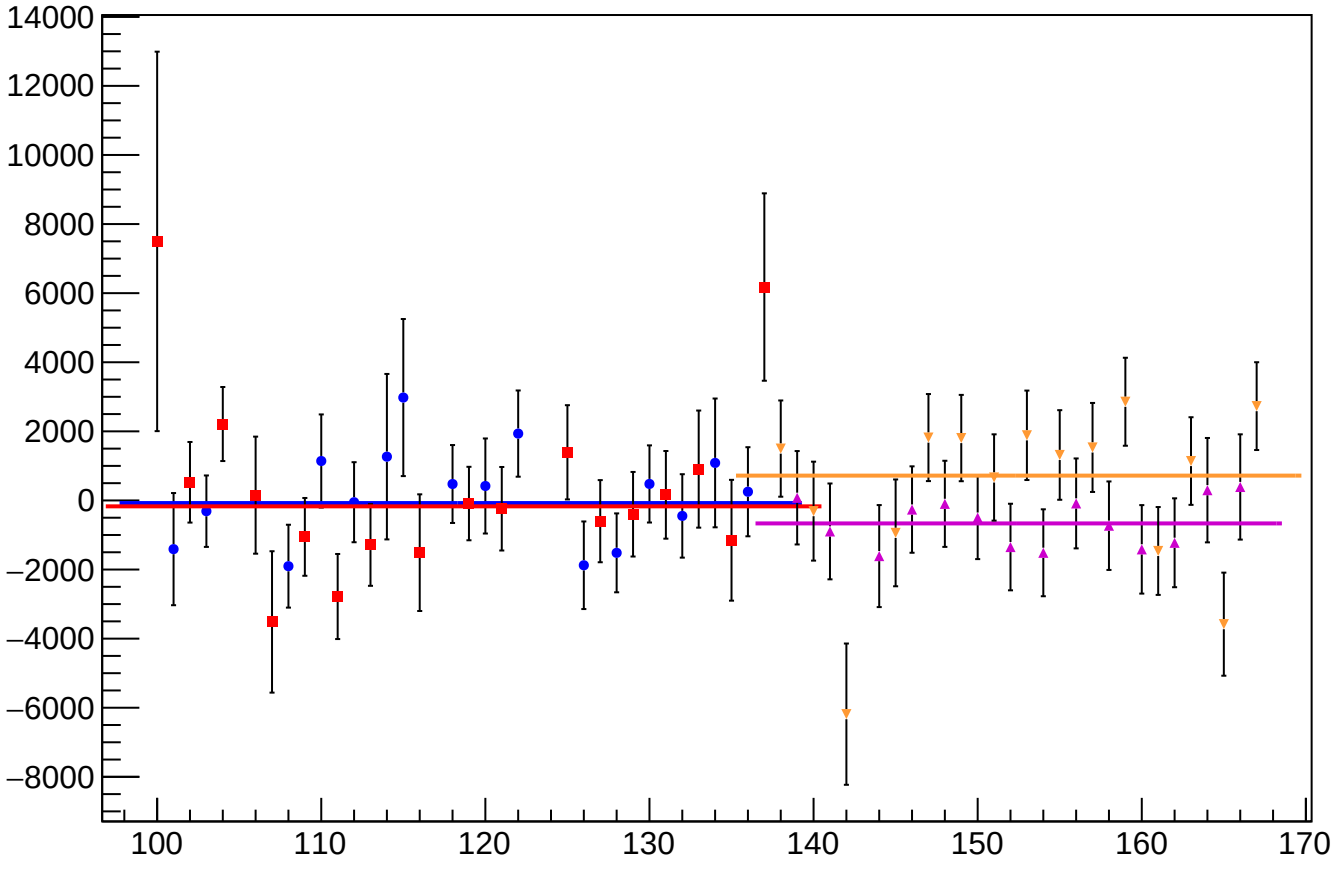
Left: 3975.189+/-0.593 χ^2/NDF: 1375509.9/28

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3133.264+/-0.535 χ^2/NDF:3015916.8/29

Out: 3018.602+/-0.514 χ^2/NDF:3239812.8/32

All: 3073.699+/-0.371 χ^2/NDF: 6279603.6/62



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 718.781+/-347.271 χ^2/NDF:33.0/14

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -664.936+/-352.413 χ^2/NDF:3.4/13

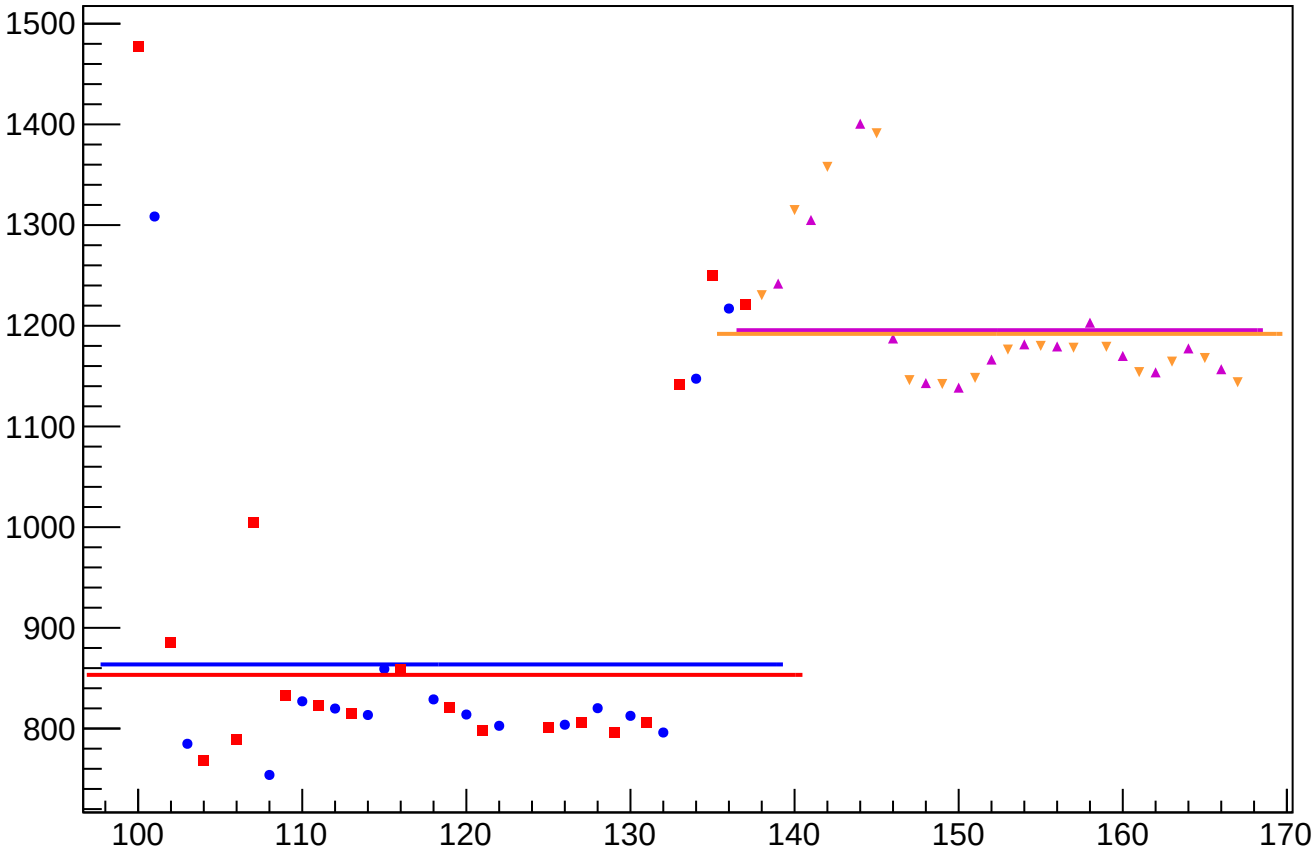
Left: 37.090+/-247.355 χ^2/NDF: 44.3/28

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -347.789+/-239.400 χ^2/NDF:18.3/29

Out: 240.120+/-236.051 χ^2/NDF:60.9/32

All: -49.694+/-168.085 χ^2/NDF: 82.3/62



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1191.958+/-0.246 χ^2/NDF:77921.8/14

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1195.601+/-0.249 χ^2/NDF:67723.1/13

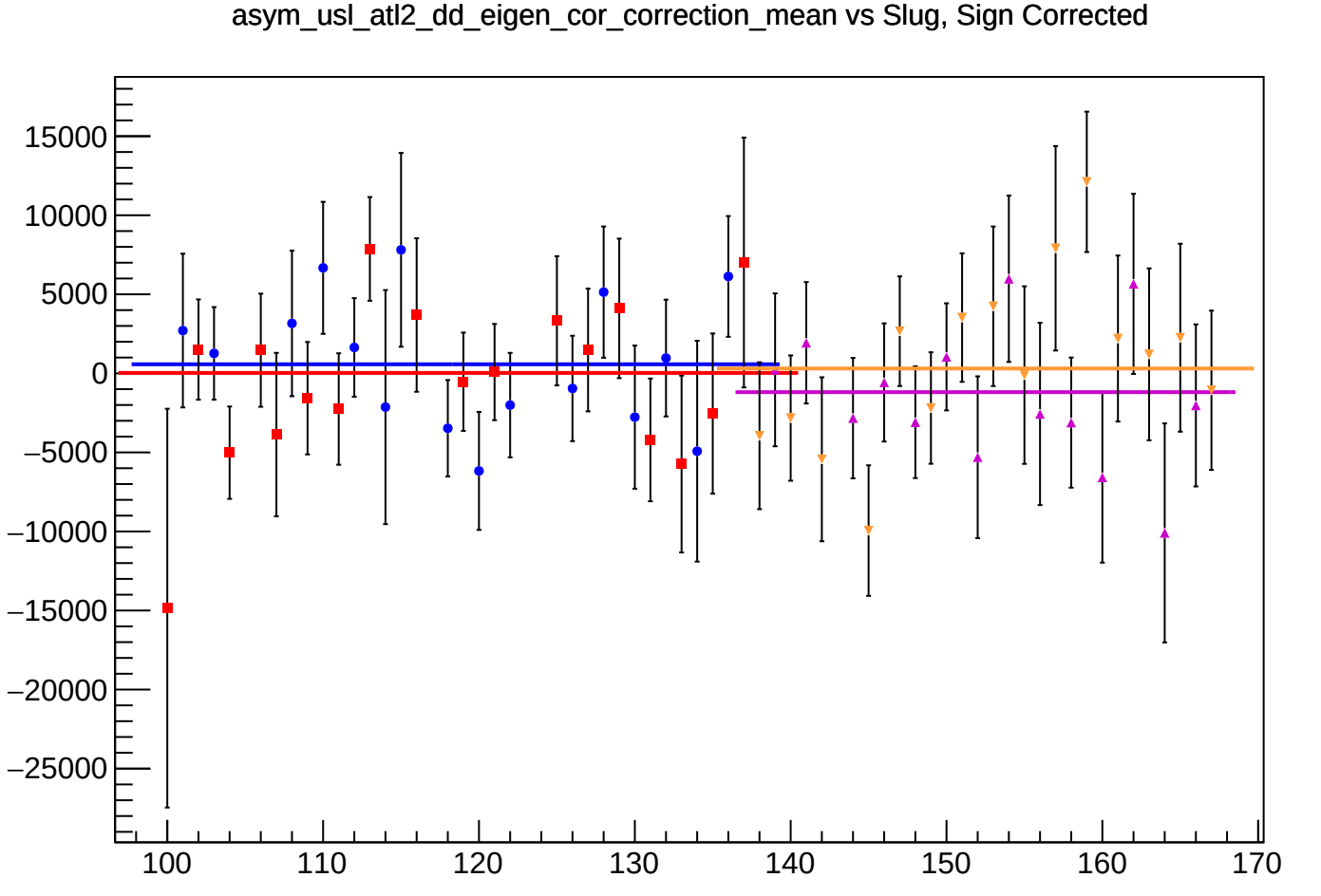
Left: 1193.753+/-0.175 χ^2/NDF: 145753.4/28

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1016.842+/-0.169 χ^2/NDF:1430775.6/29

Out: 1008.895+/-0.166 χ^2/NDF:1381459.0/32

All: 1012.802+/-0.119 χ^2/NDF: 2813355.0/62


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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−5000
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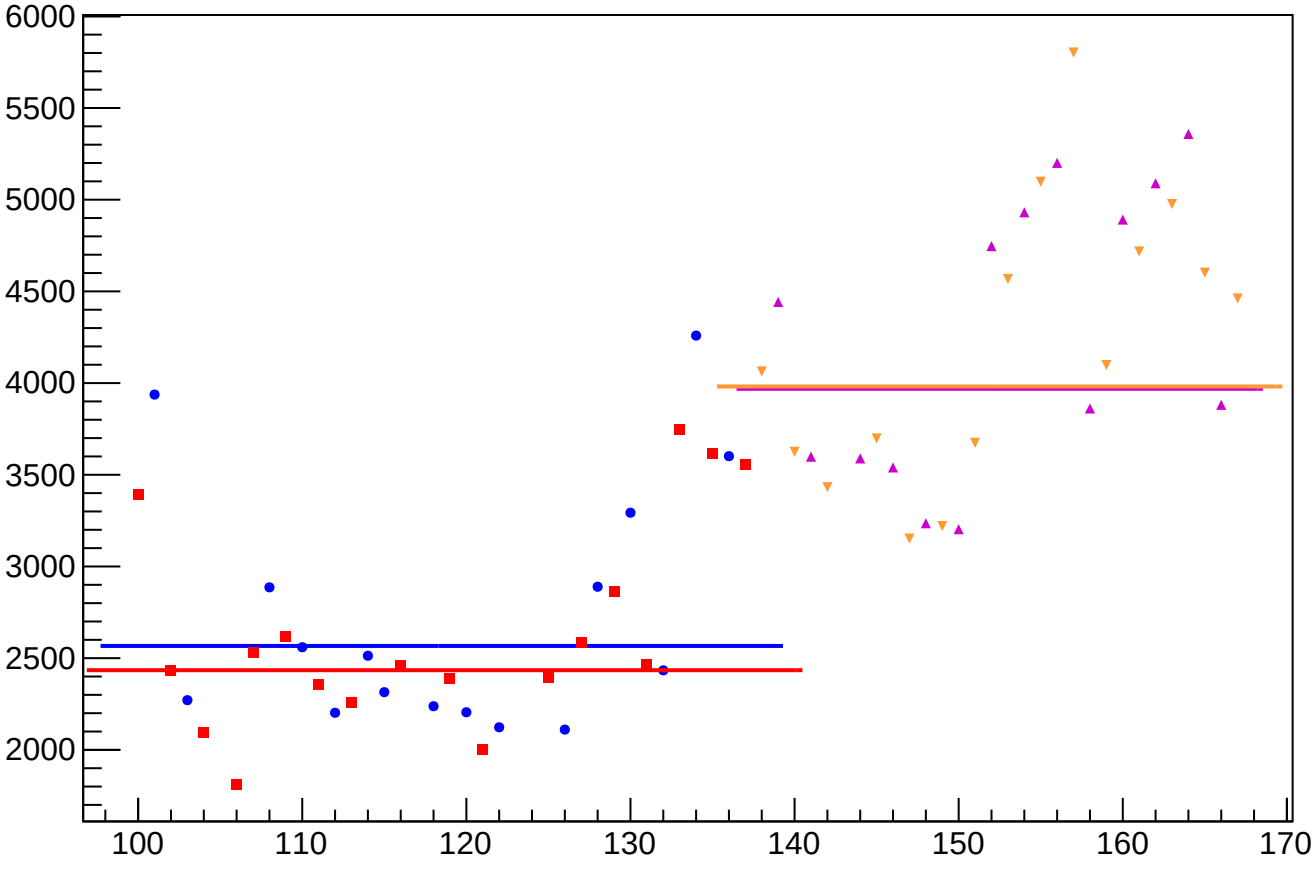
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: 308.041+/-1183.902 χ²/NDF:19.9/14
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -1189.180+/-1189.936 χ²/NDF:8.6/13
Left: -436.763+/-839.270 χ²/NDF: 29.2/28
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: -137.889+/-756.409 χ²/NDF:24.6/29
Out: 134.116+/-727.485 χ²/NDF:37.1/32
All: 3.413+/-524.337 χ²/NDF: 61.8/62



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3981.548+/-0.837 χ^2/NDF:679926.0/14

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3968.764+/-0.841 χ^2/NDF:695468.0/13

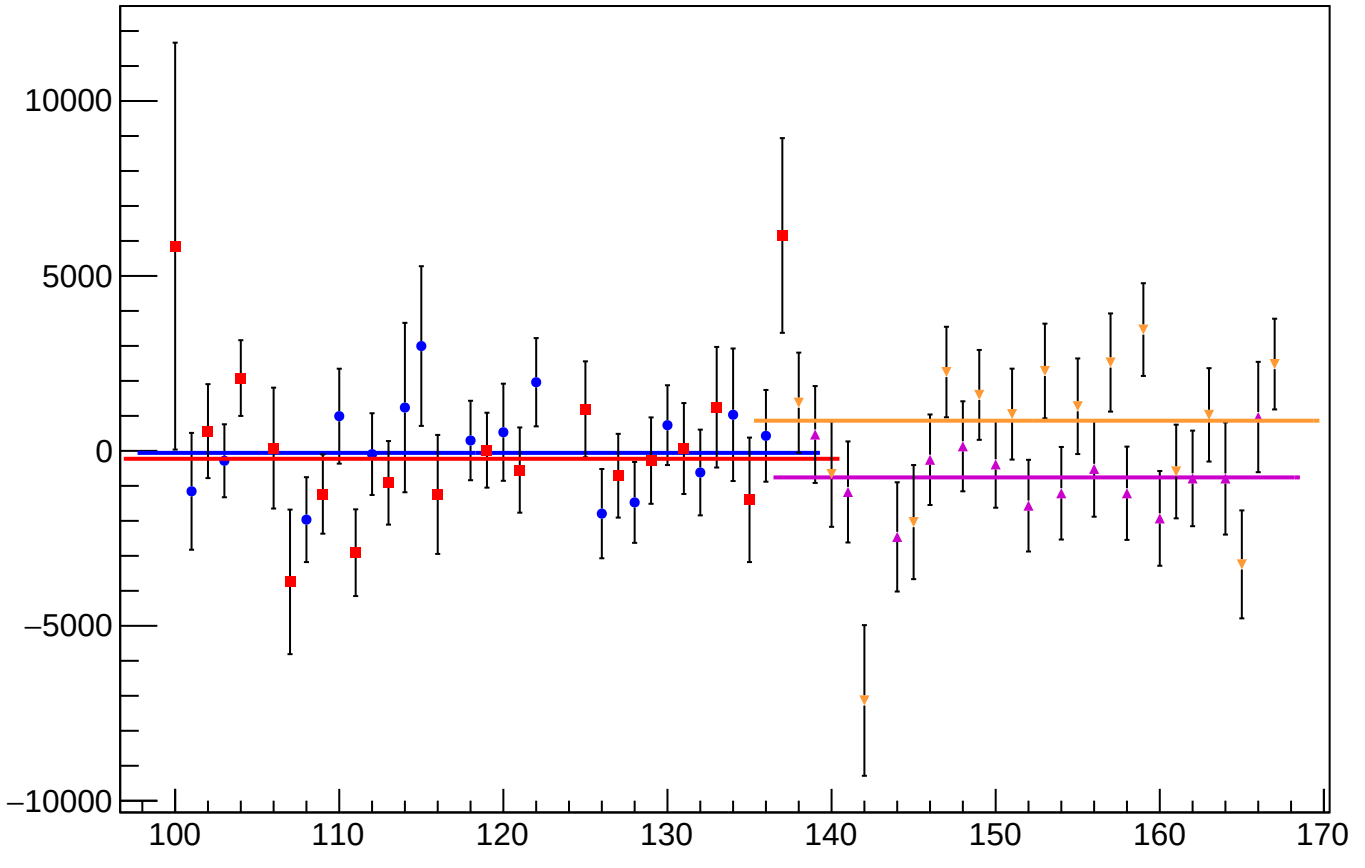
Left: 3975.189+/-0.593 χ^2/NDF: 1375509.9/28

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3133.264+/-0.535 χ^2/NDF:3015916.8/29

Out: 3018.602+/-0.514 χ^2/NDF:3239812.8/32

All: 3073.699+/-0.371 χ^2/NDF: 6279603.6/62



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 862.455+/-362.536 χ^2/NDF:35.9/14

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -758.201+/-367.905 χ^2/NDF:5.4/13

Left: 64.036+/-258.229 χ^2/NDF: 51.1/28

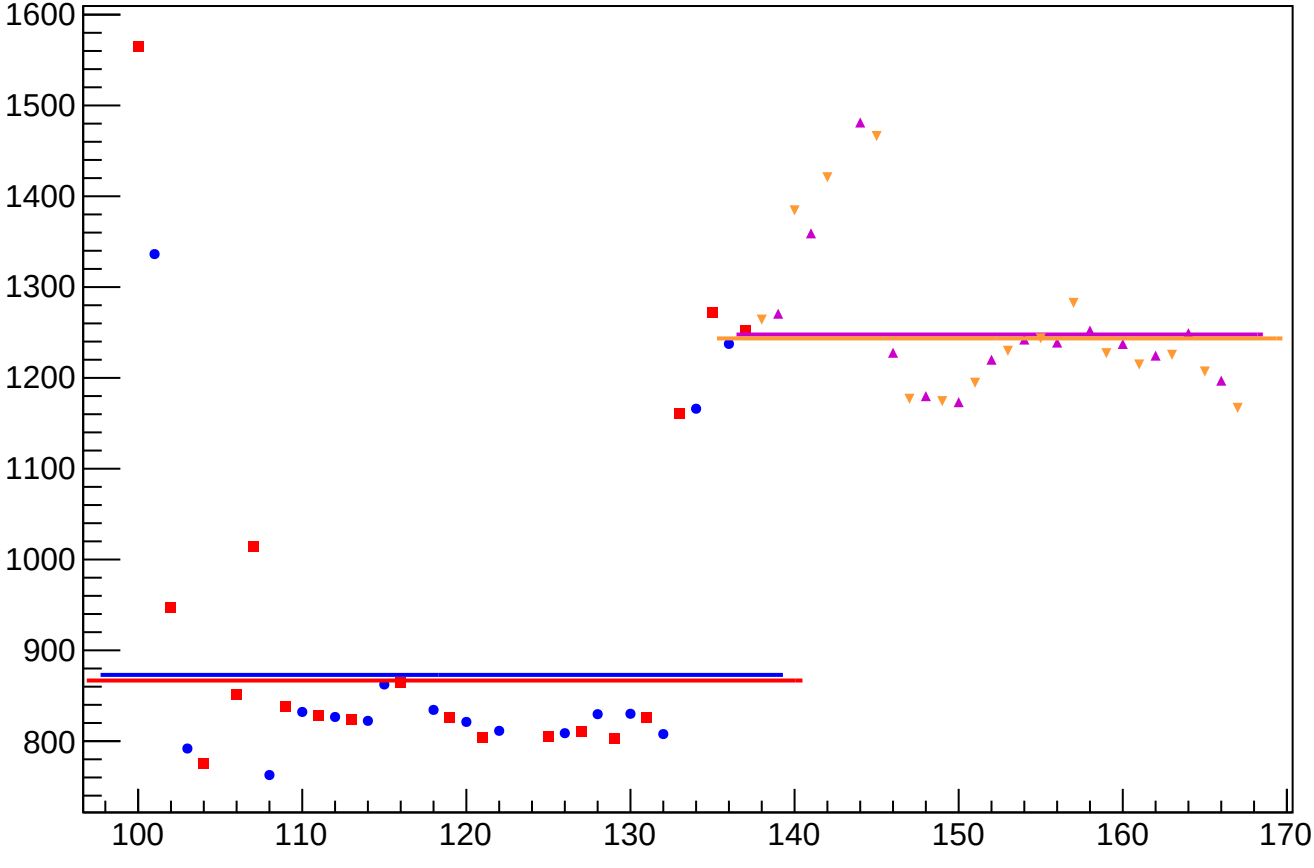
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -369.836+/-245.693 χ^2/NDF:20.4/29

Out: 263.997+/-243.255 χ^2/NDF:63.8/32

All: -49.759+/-172.863 χ^2/NDF: 87.5/62

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1243.473+/-0.256 χ^2/NDF:94151.4/14

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1247.792+/-0.260 χ^2/NDF:74254.0/13

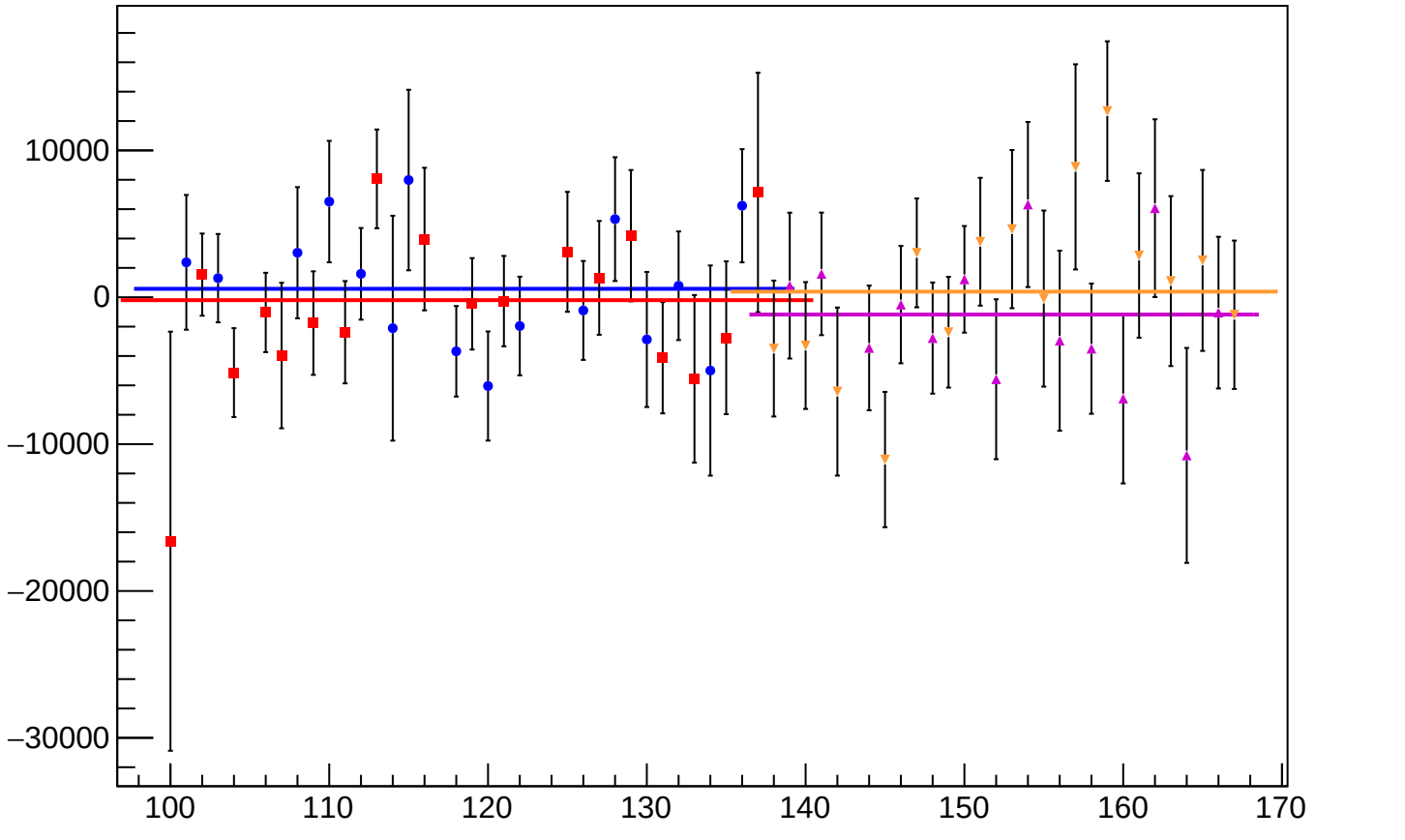
Left: 1245.601+/-0.183 χ^2/NDF: 168545.2/28

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1040.134+/-0.174 χ^2/NDF:1641444.4/29

Out: 1036.184+/-0.172 χ^2/NDF:1572768.8/32

All: 1038.138+/-0.122 χ^2/NDF: 3214474.4/62



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 382.076+/-1261.563 χ^2/NDF:19.9/14

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -1176.616+/-1271.841 χ^2/NDF:8.4/13

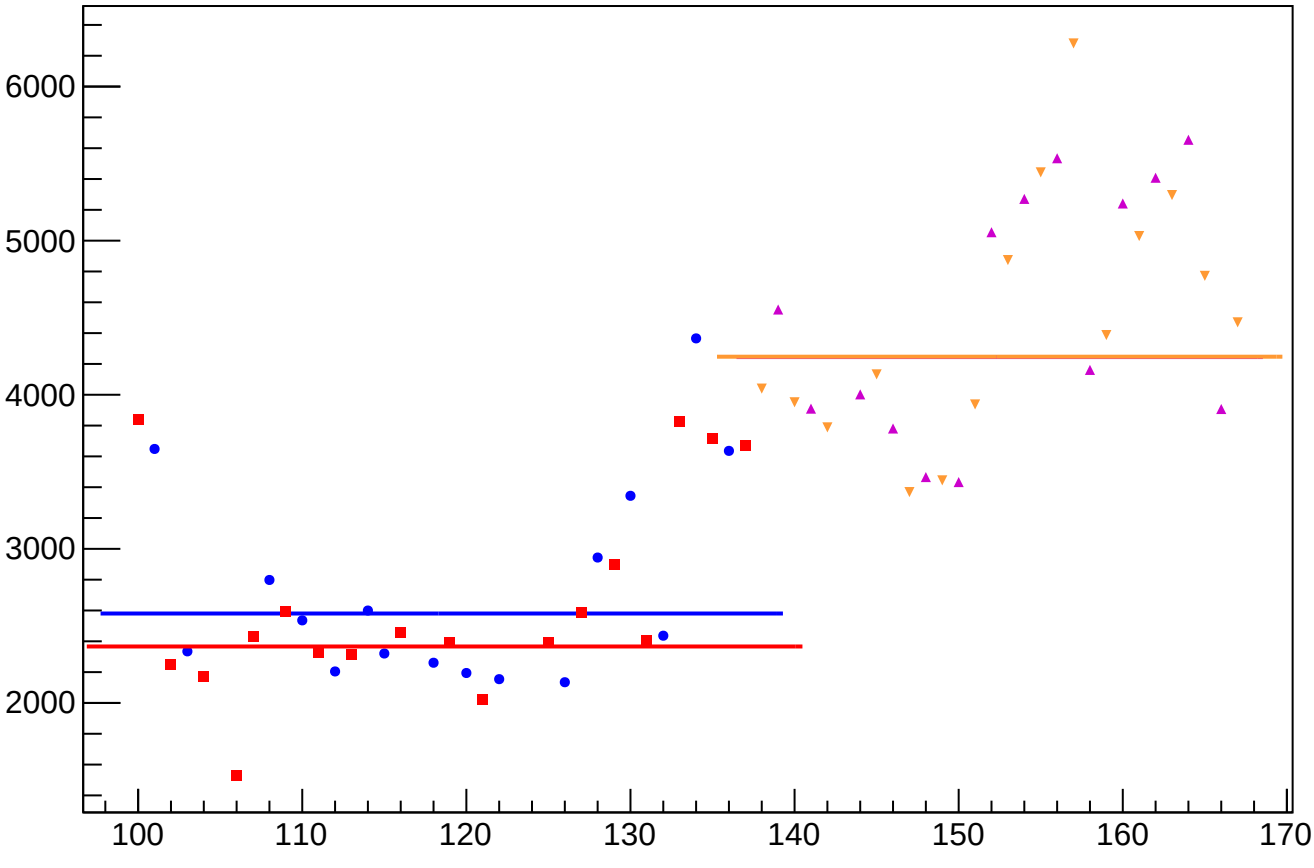
Left: -390.946+/-895.671 χ^2/NDF: 29.1/28

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: -81.457+/-778.704 χ^2/NDF:24.3/29

Out: -4.015+/-729.484 χ^2/NDF:37.2/32

All: -40.211+/-532.374 χ^2/NDF: 61.5/62



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4246.920+/-0.892 χ^2/NDF:641770.6/14

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4244.605+/-0.899 χ^2/NDF:655084.9/13

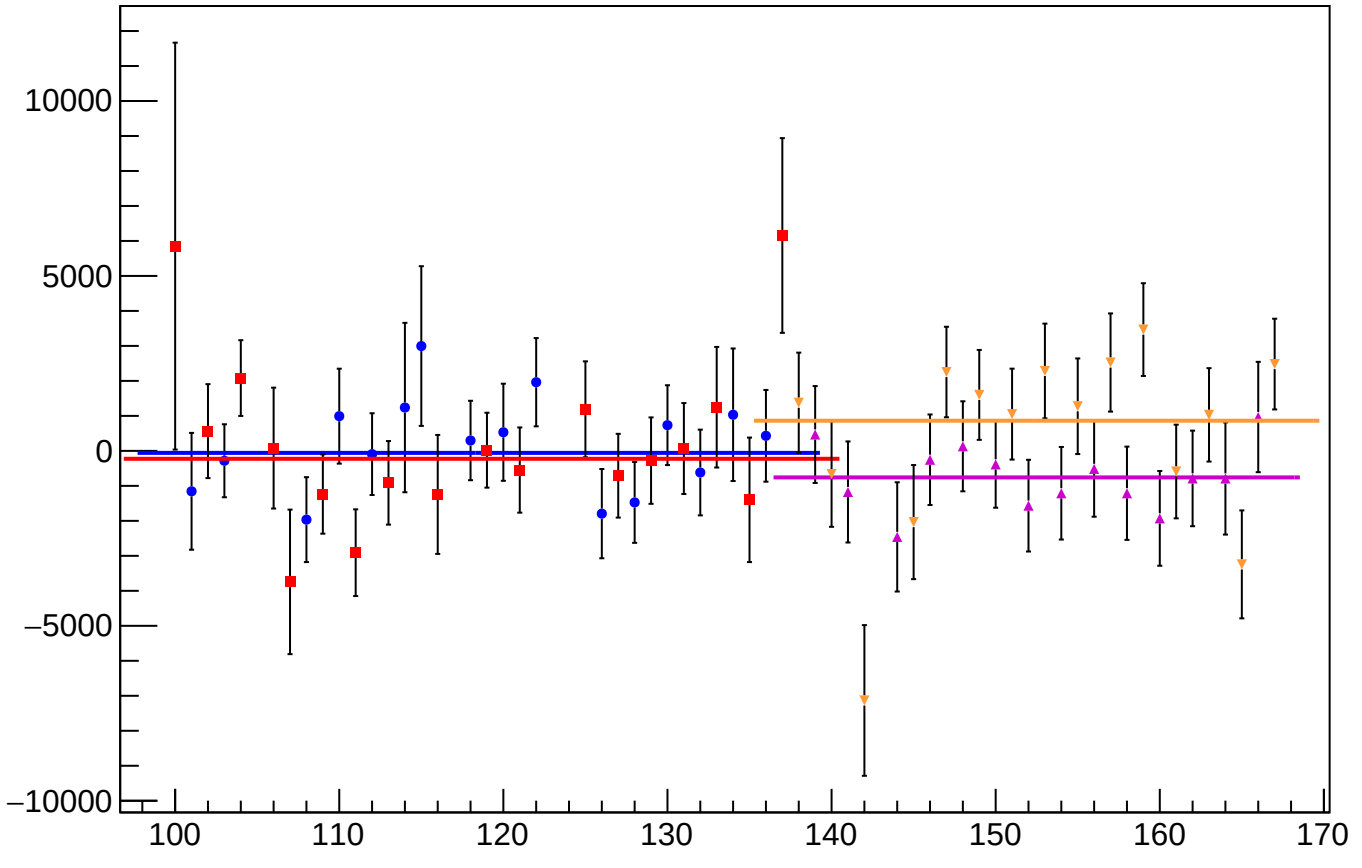
Left: 4245.772+/-0.633 χ^2/NDF: 1296858.8/28

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3204.244+/-0.551 χ^2/NDF:3412967.0/29

Out: 2995.179+/-0.516 χ^2/NDF:4211492.3/32

All: 3092.896+/-0.376 χ^2/NDF: 7701239.3/62



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 862.457+/-362.537 χ^2/NDF:35.9/14

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -758.201+/-367.905 χ^2/NDF:5.4/13

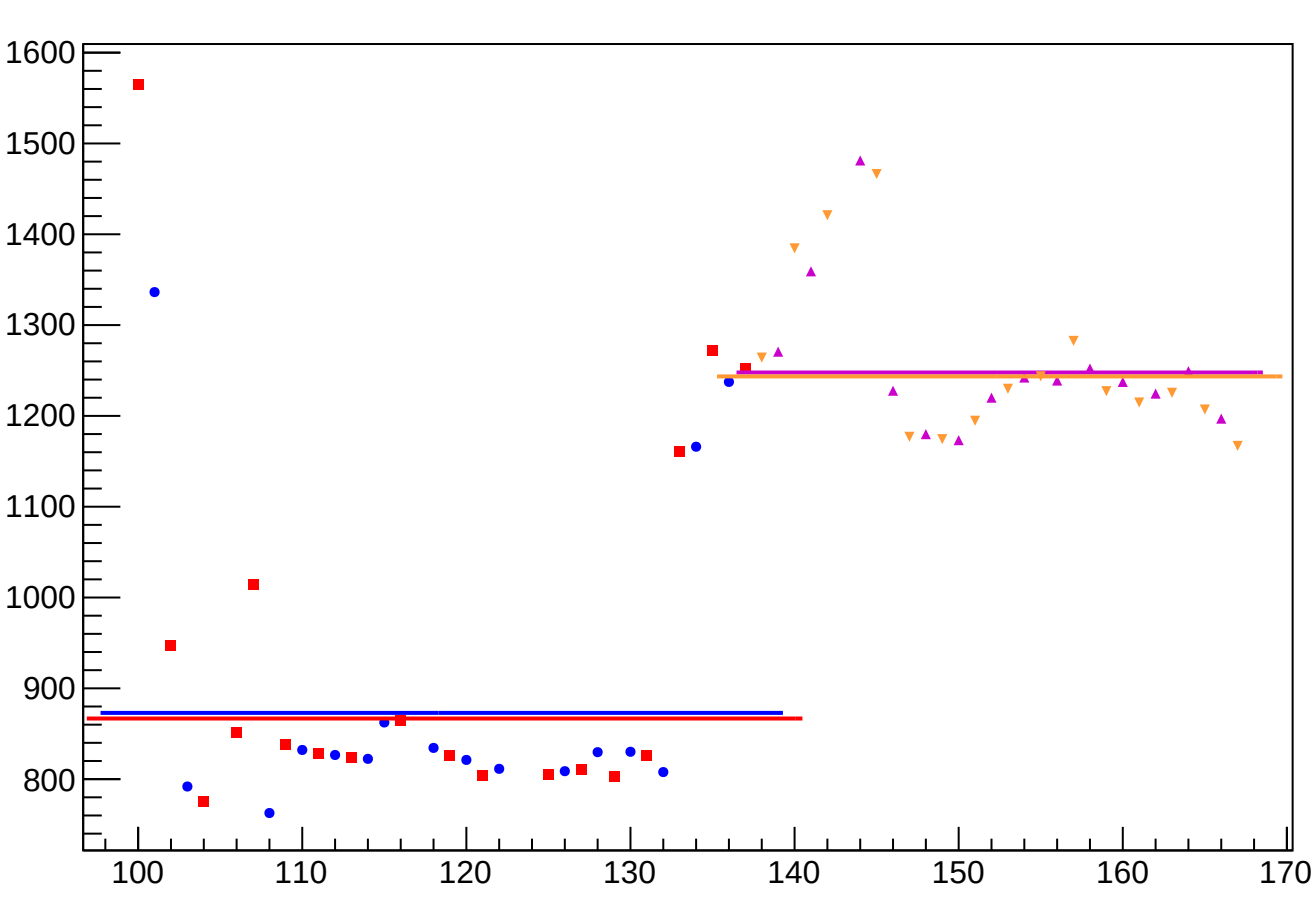
Left: 64.038+/-258.229 χ^2/NDF: 51.1/28

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -369.838+/-245.693 χ^2/NDF:20.4/29

Out: 263.996+/-243.255 χ^2/NDF:63.8/32

All: -49.761+/-172.863 χ^2/NDF: 87.5/62



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1243.475+/-0.256 χ^2/NDF:94153.0/14

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1247.793+/-0.260 χ^2/NDF:74254.8/13

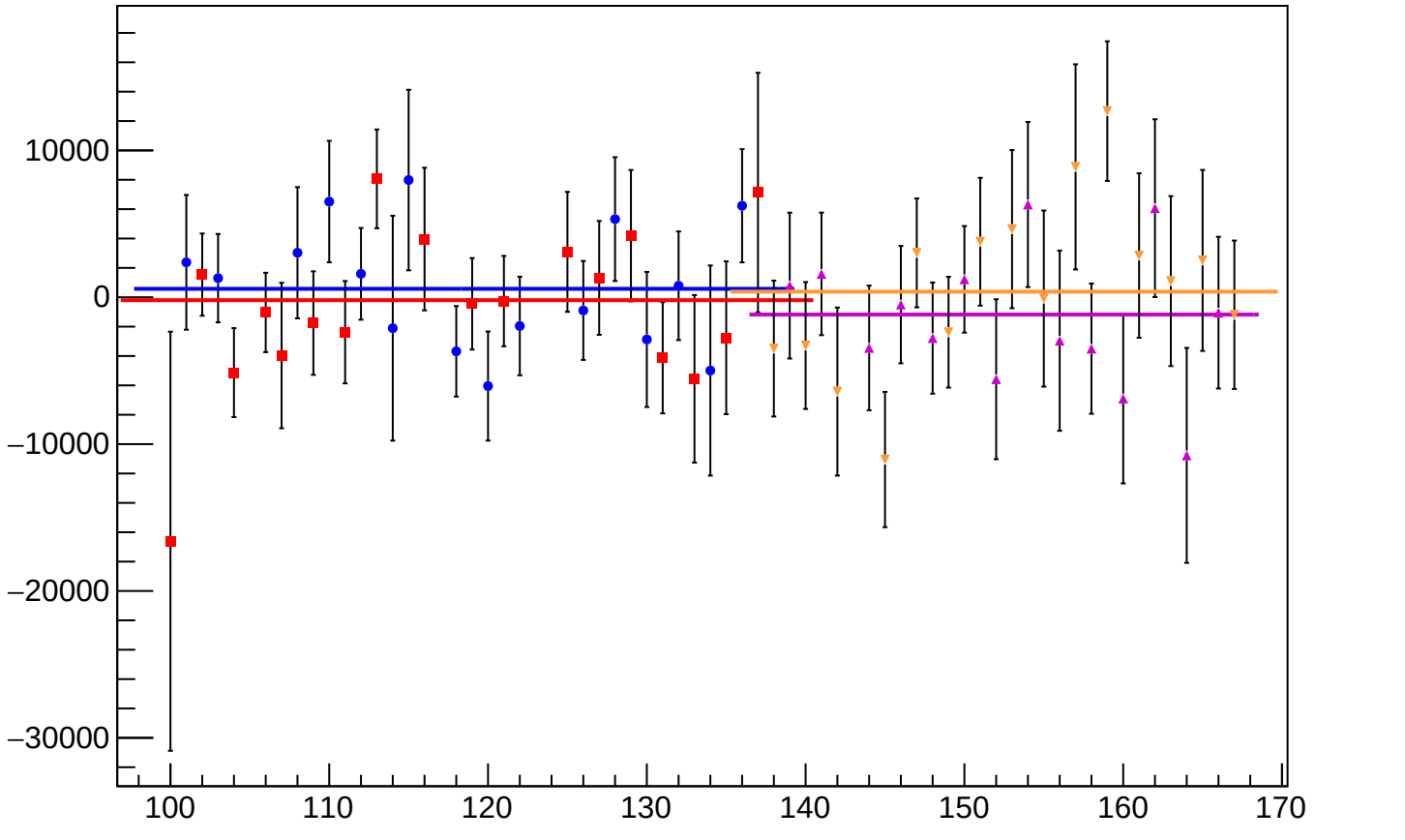
Left: 1245.602+/-0.183 χ^2/NDF: 168547.6/28

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1040.134+/-0.174 χ^2/NDF:1641451.5/29

Out: 1036.184+/-0.172 χ^2/NDF:1572777.4/32

All: 1038.139+/-0.122 χ^2/NDF: 3214490.0/62



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 382.079+/-1261.565 χ^2/NDF:19.9/14

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -1176.616+/-1271.843 χ^2/NDF:8.4/13

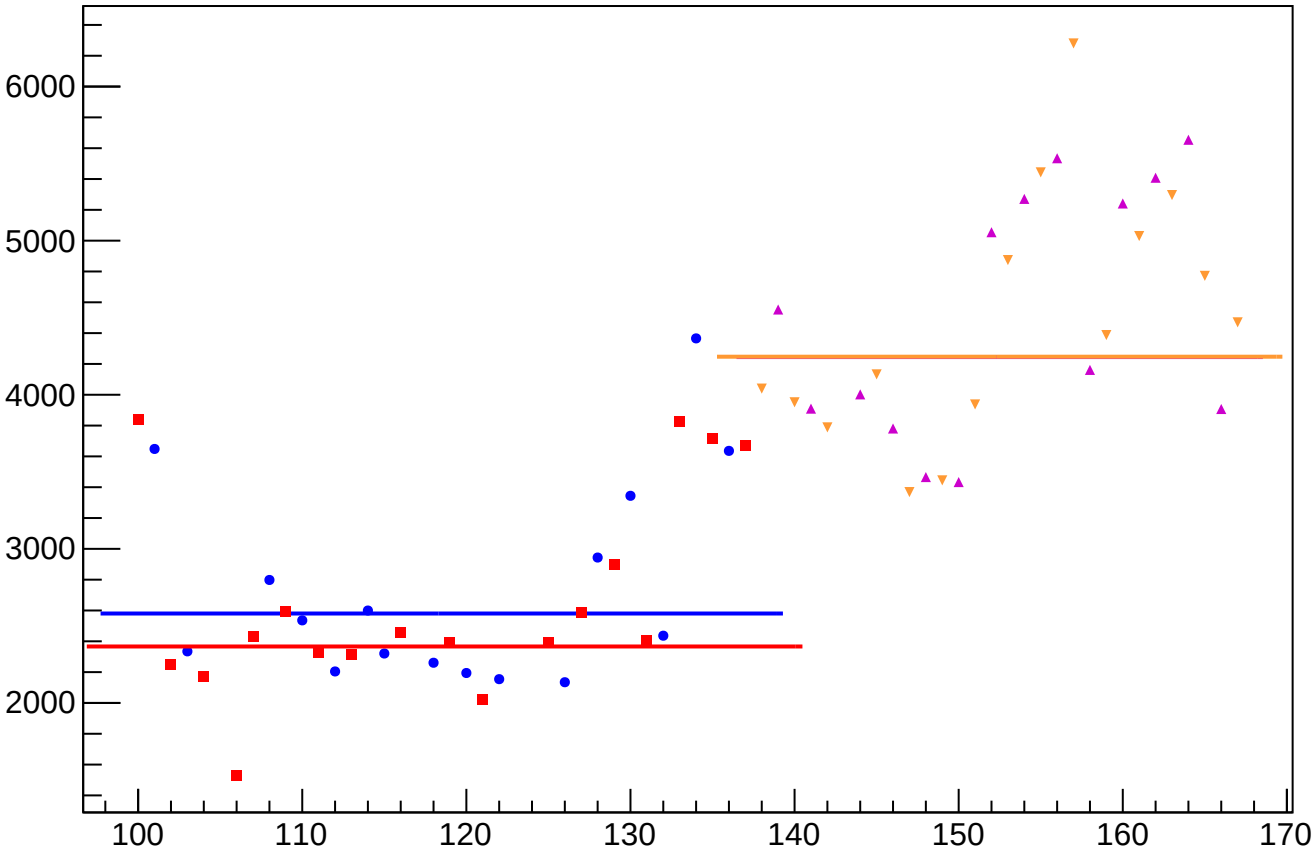
Left: -390.945+/-895.673 χ^2/NDF: 29.1/28

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: -81.456+/-778.703 χ^2/NDF:24.3/29

Out: -4.016+/-729.484 χ^2/NDF:37.2/32

All: -40.211+/-532.373 χ^2/NDF: 61.5/62



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4246.926+/-0.892 χ^2/NDF:641773.9/14

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4244.610+/-0.899 χ^2/NDF:655088.6/13

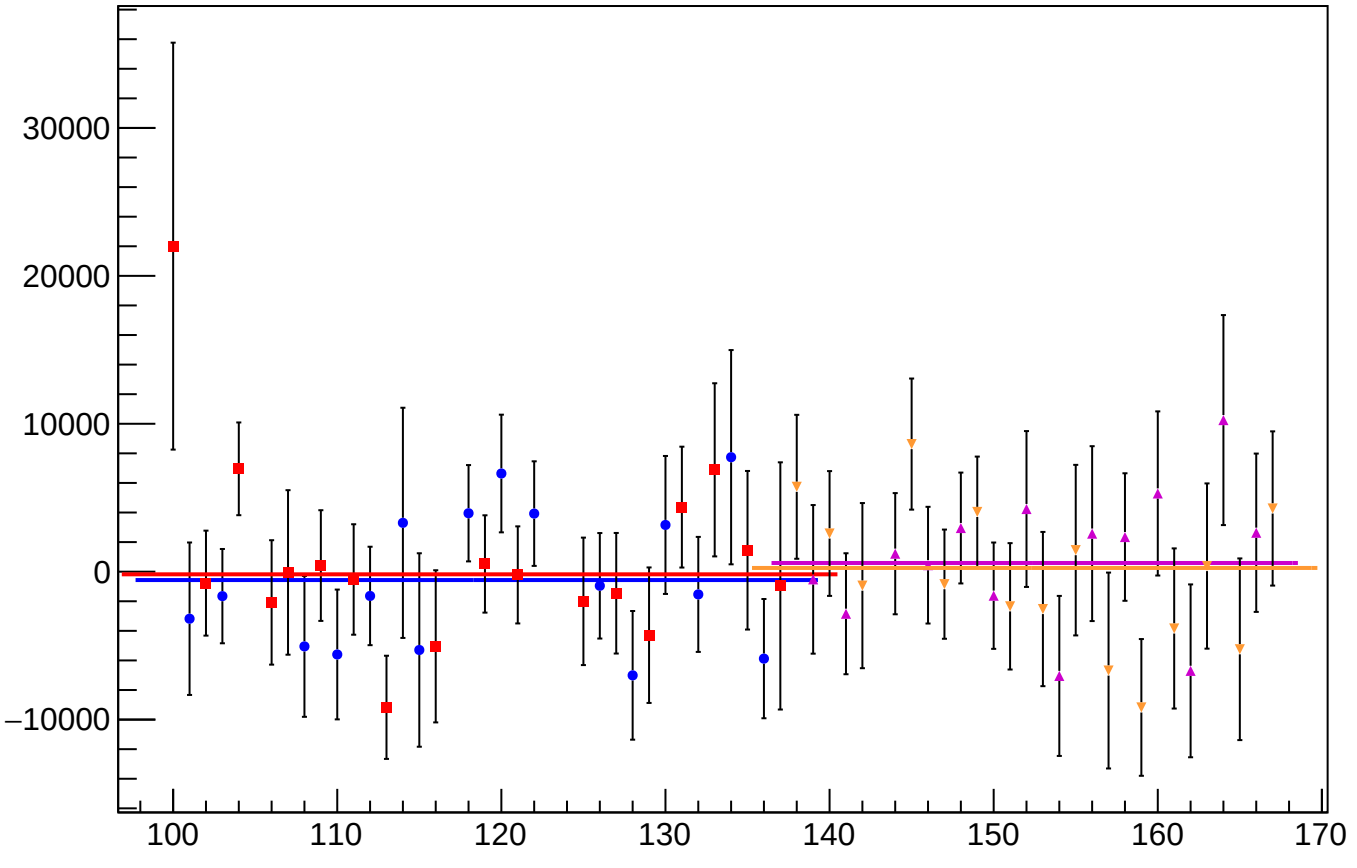
Left: 4245.778+/-0.633 χ^2/NDF: 1296865.8/28

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3204.237+/-0.551 χ^2/NDF:3413014.8/29

Out: 2995.173+/-0.516 χ^2/NDF:4211539.6/32

All: 3092.890+/-0.376 χ^2/NDF: 7701334.2/62



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 251.905+/-1243.281 χ^2/NDF:14.2/14

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 588.107+/-1249.031 χ^2/NDF:8.6/13

Left: 419.230+/-881.158 χ^2/NDF: 22.8/28

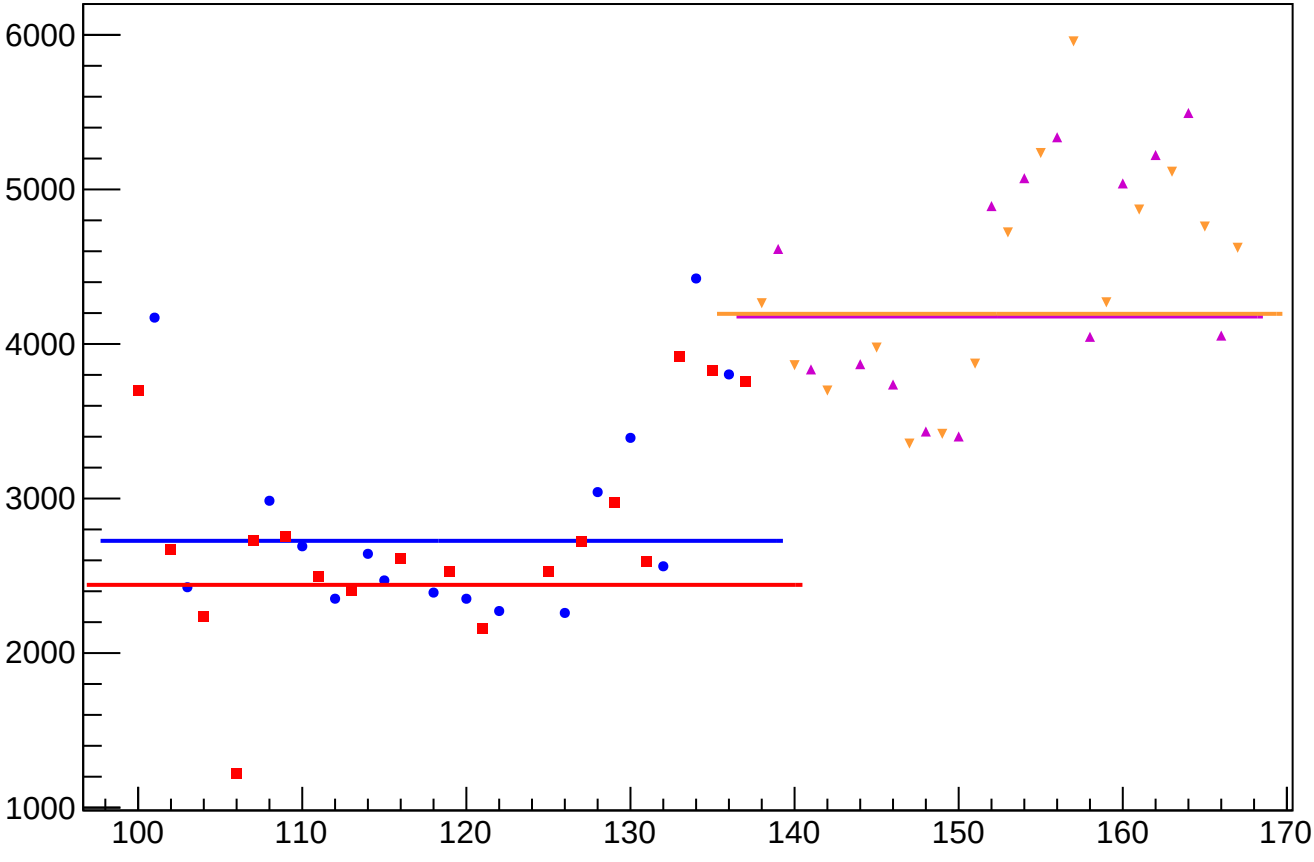
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -93.355+/-799.363 χ^2/NDF:25.3/29

Out: -11.876+/-773.693 χ^2/NDF:33.8/32

All: -51.286+/-555.937 χ^2/NDF: 59.1/62

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4195.137+/-0.879 χ^2/NDF:577846.2/14

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4177.830+/-0.883 χ^2/NDF:589879.4/13

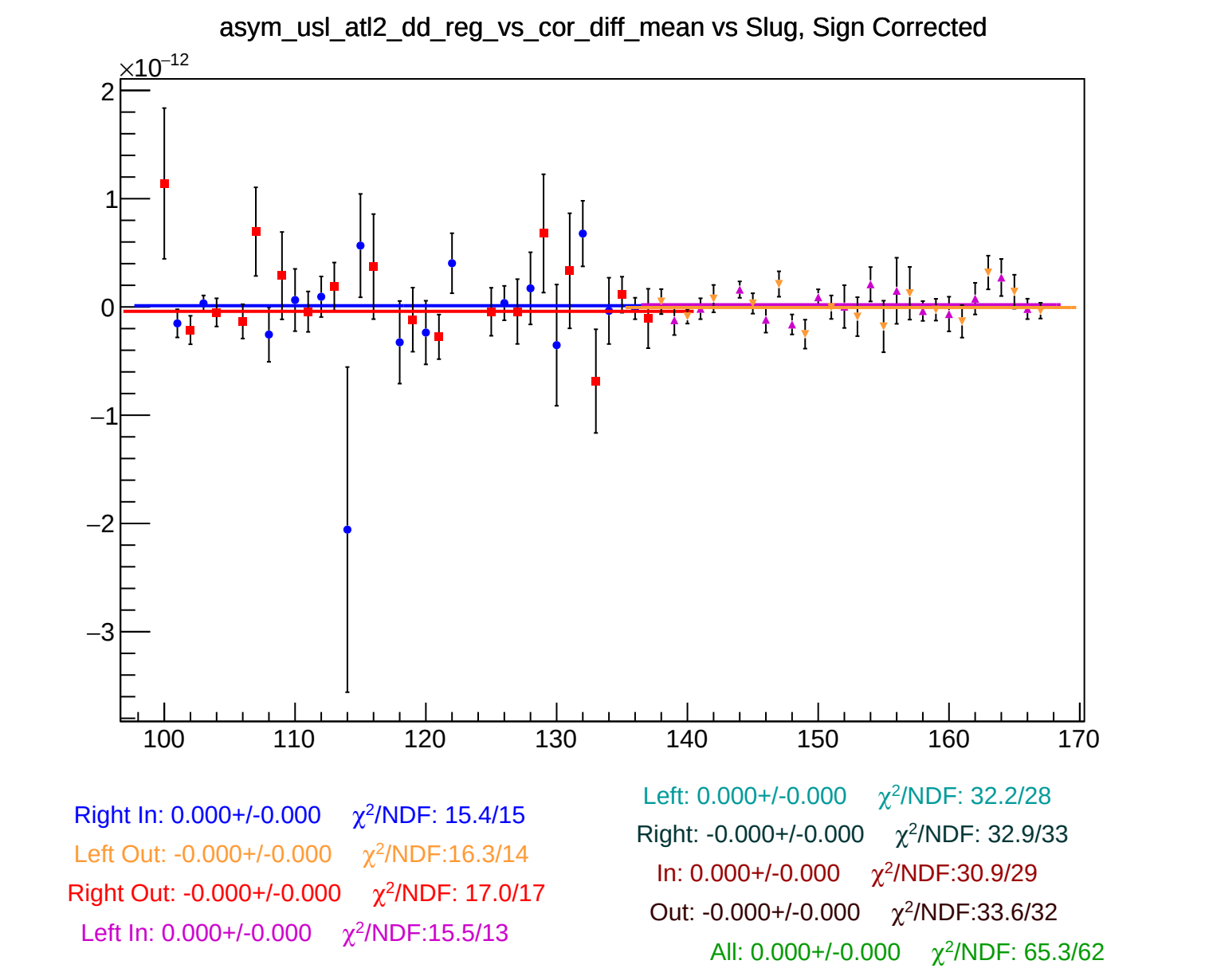
Left: 4186.523+/-0.623 χ^2/NDF: 1167918.5/28

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3320.780+/-0.565 χ^2/NDF:2807869.6/29

Out: 3082.003+/-0.531 χ^2/NDF:3994860.4/32

All: 3194.019+/-0.387 χ^2/NDF: 6897467.5/62


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
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−1
−2
−3
100
110
120
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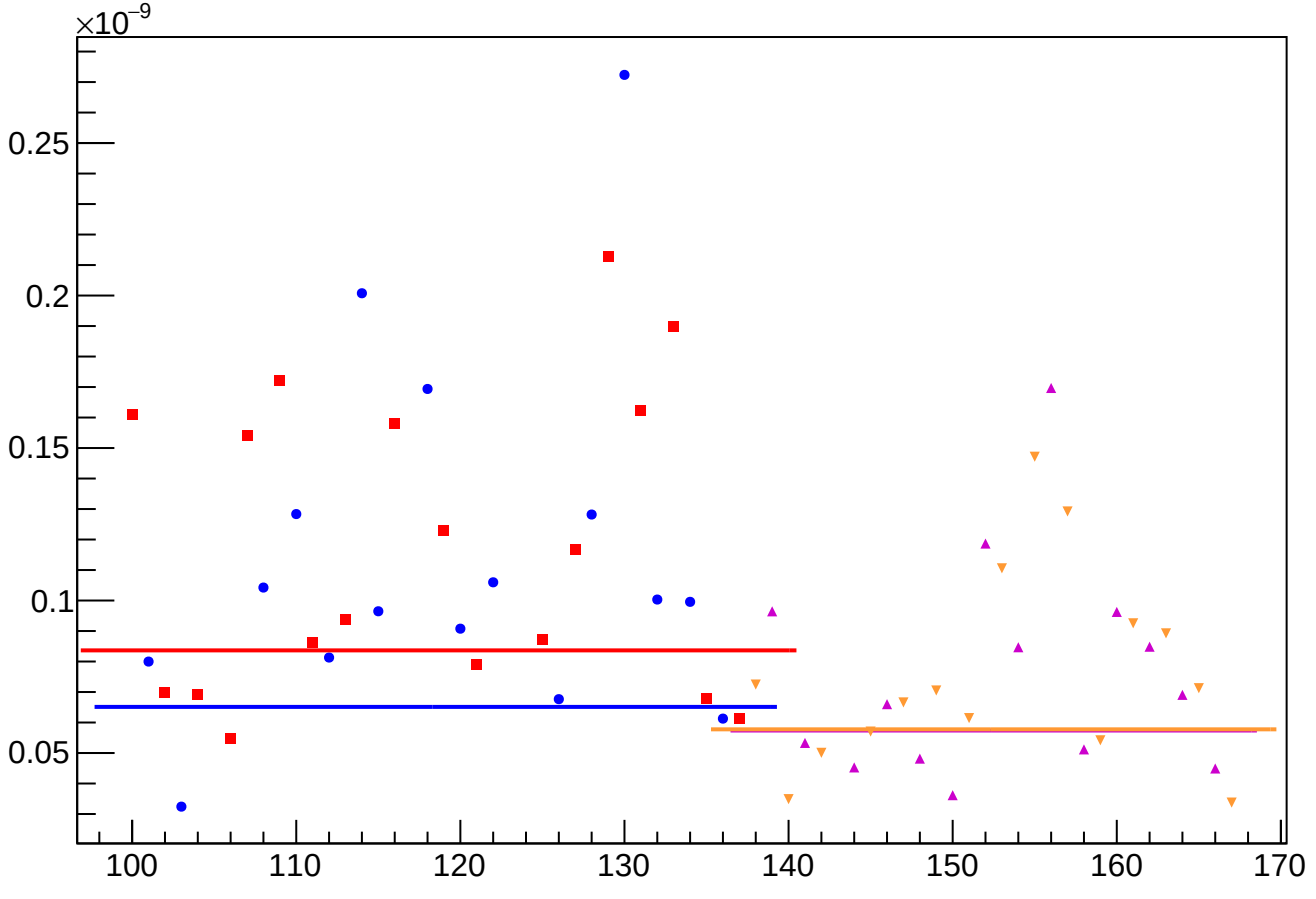
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:16.3/14
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:15.5/13
Left: 0.000+/-0.000 χ²/NDF: 32.2/28
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:30.9/29
Out: -0.000+/-0.000 χ²/NDF:33.6/32
All: 0.000+/-0.000 χ²/NDF: 65.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1357957.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1180296.9/13

Left: 0.000+/-0.000 χ^2/NDF: 2538425.2/28

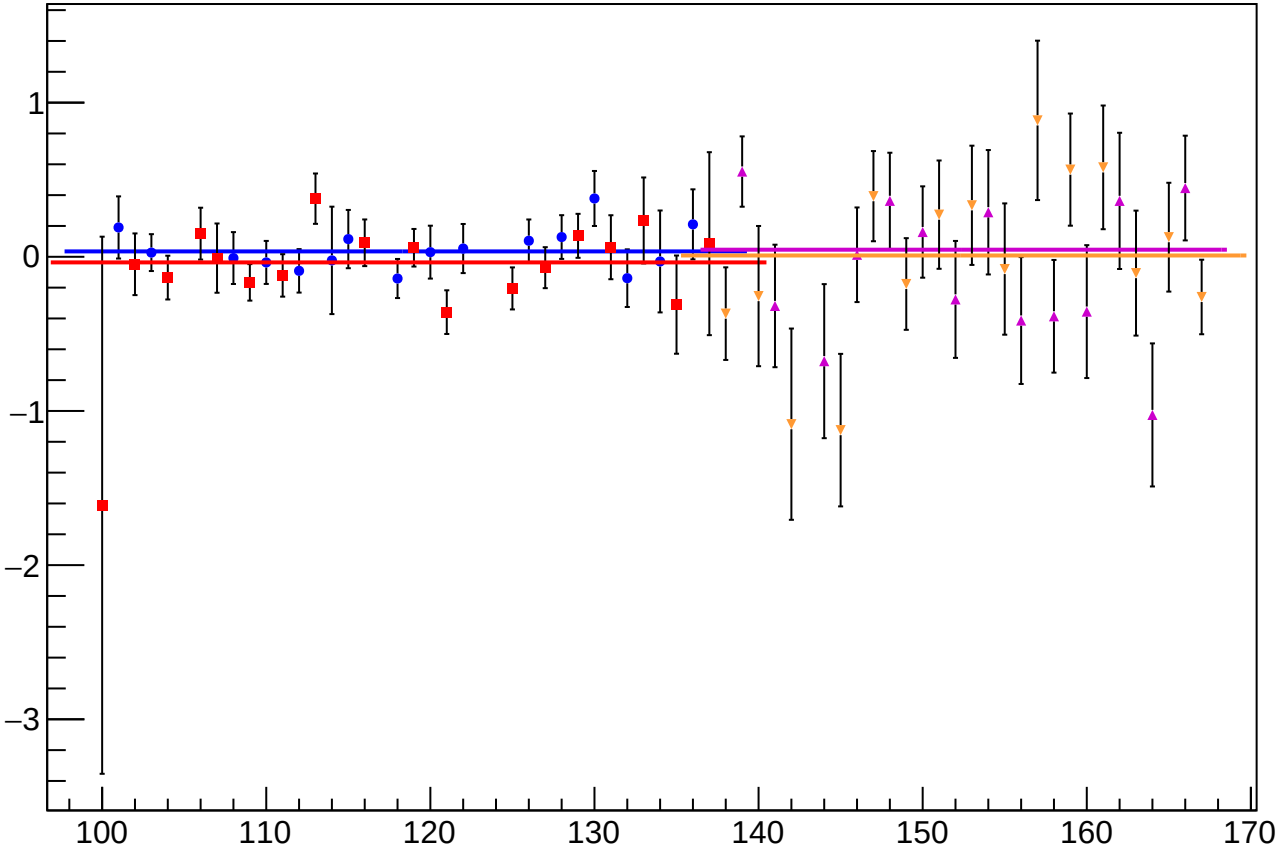
Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2445440.7/29

Out: 0.000+/-0.000 χ^2/NDF:2411709.5/32

All: 0.000+/-0.000 χ^2/NDF: 4882019.3/62

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.009+/-0.093 χ^2/NDF:22.4/14

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.046+/-0.094 χ^2/NDF:20.9/13

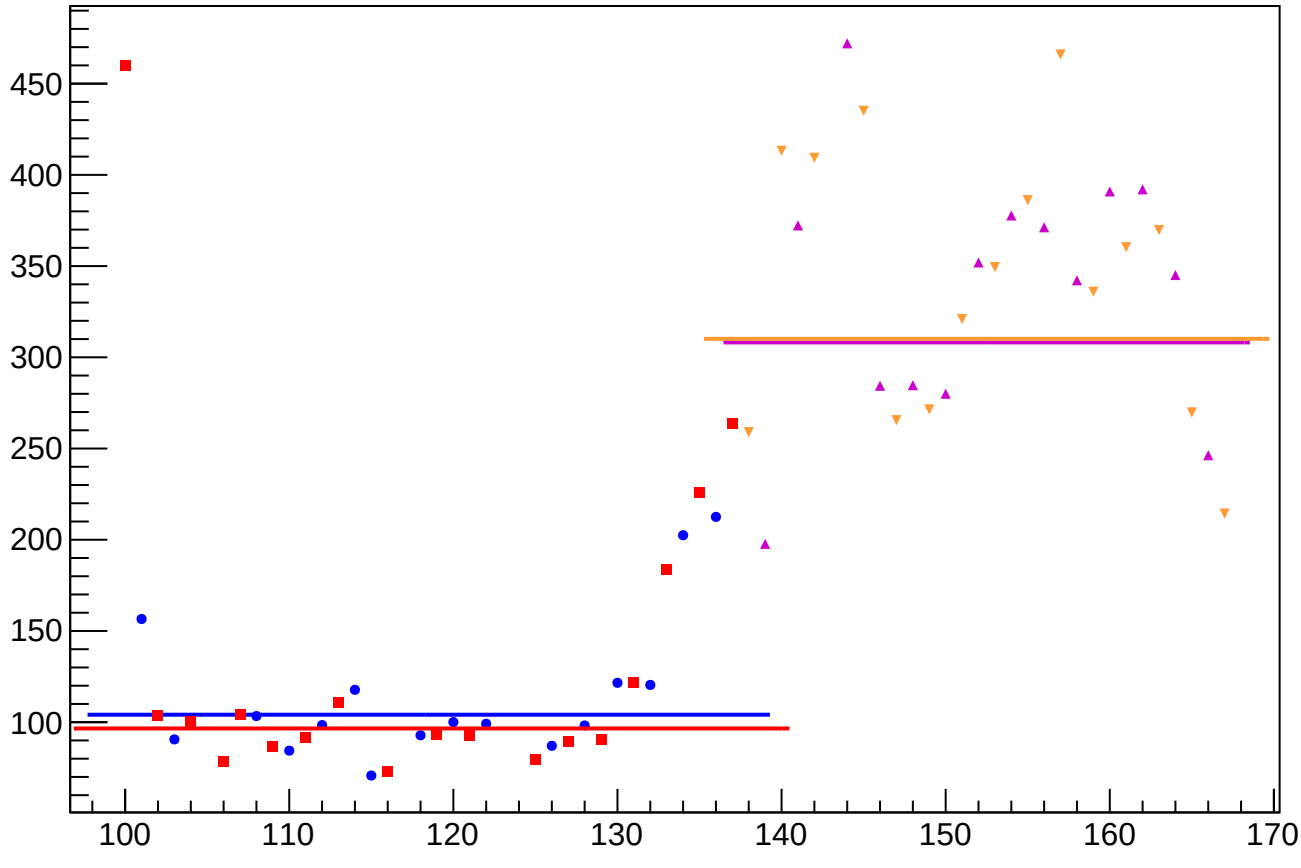
Left: 0.027+/-0.066 χ^2/NDF: 43.4/28

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.037+/-0.038 χ^2/NDF:30.7/29

Out: -0.030+/-0.036 χ^2/NDF:44.6/32

All: 0.002+/-0.026 χ^2/NDF: 76.9/62



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 310.137+/-0.066 χ^2/NDF:1113207.5/14

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 308.164+/-0.067 χ^2/NDF:1152569.4/13

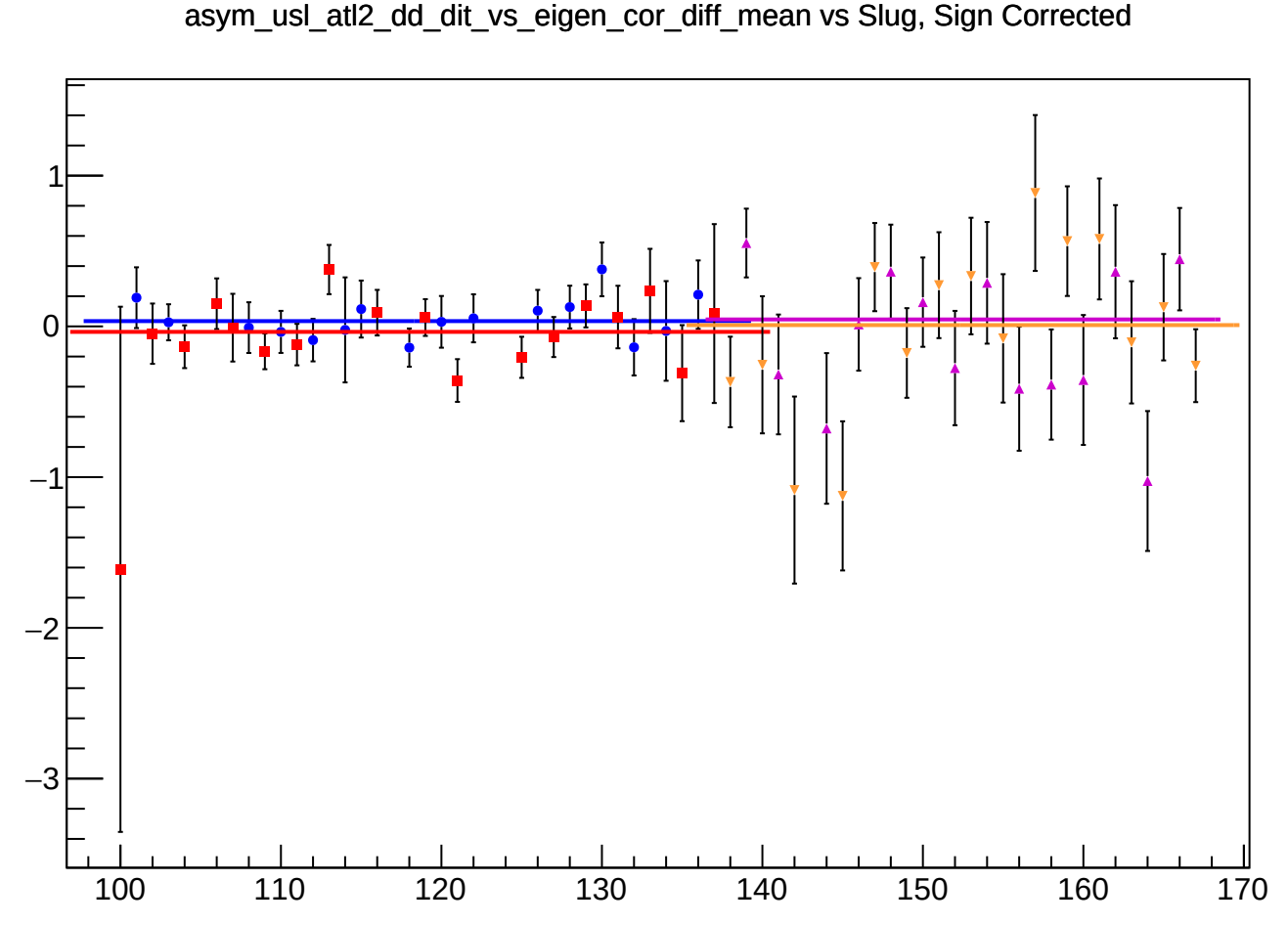
Left: 309.162+/-0.047 χ^2/NDF: 2266218.4/28

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 136.507+/-0.027 χ^2/NDF:9998989.1/29

Out: 128.146+/-0.025 χ^2/NDF:10982089.9/32

All: 132.131+/-0.018 χ^2/NDF: 21032758.2/62



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.009+/-0.093 χ^2/NDF:22.4/14

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.046+/-0.094 χ^2/NDF:20.9/13

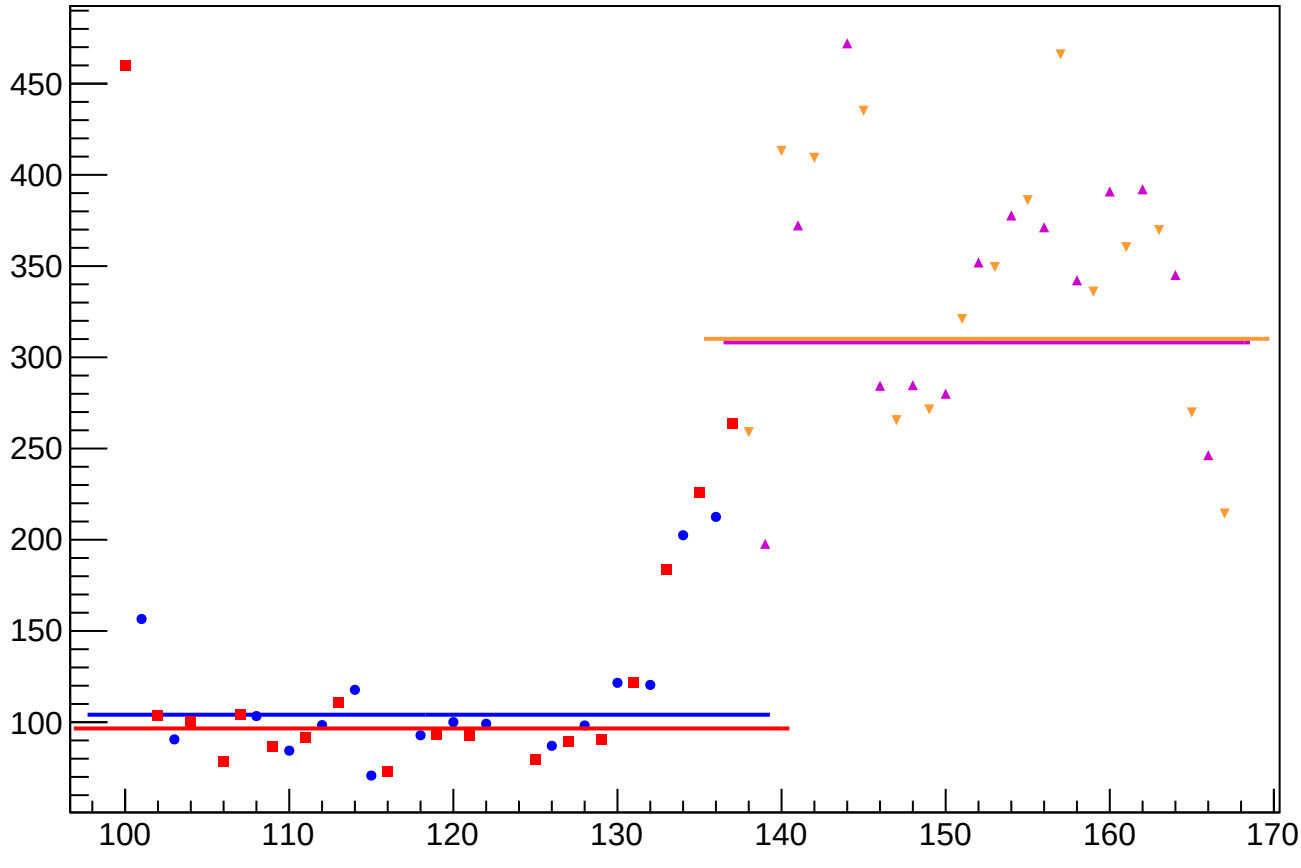
Left: 0.027+/-0.066 χ^2/NDF: 43.4/28

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.037+/-0.038 χ^2/NDF:30.7/29

Out: -0.030+/-0.036 χ^2/NDF:44.6/32

All: 0.002+/-0.026 χ^2/NDF: 76.9/62



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 310.137+/-0.066 χ^2/NDF:1113207.5/14

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 308.164+/-0.067 χ^2/NDF:1152569.4/13

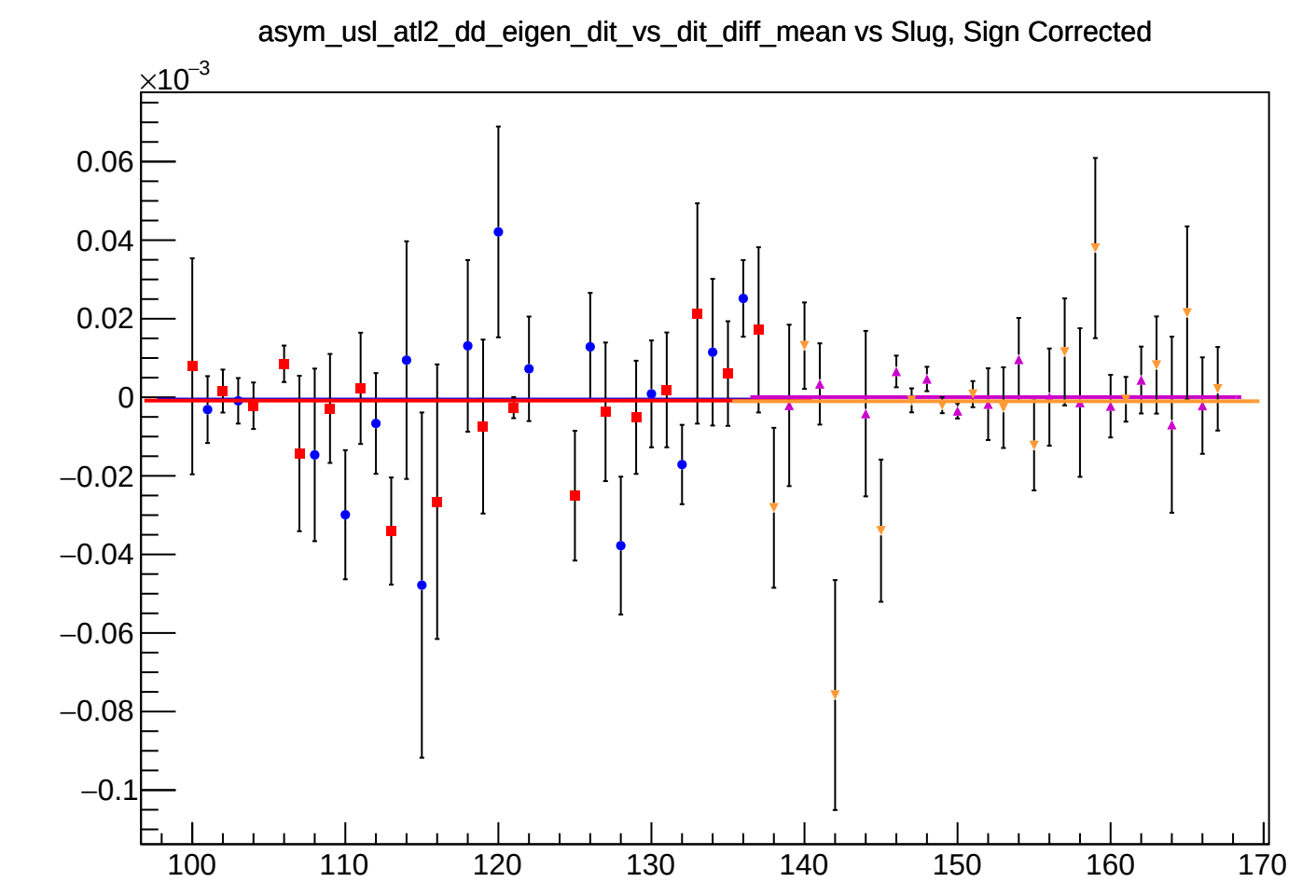
Left: 309.162+/-0.047 χ^2/NDF: 2266218.4/28

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 136.507+/-0.027 χ^2/NDF:9998989.1/29

Out: 128.146+/-0.025 χ^2/NDF:10982089.9/32

All: 132.131+/-0.018 χ^2/NDF: 21032758.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.7/13

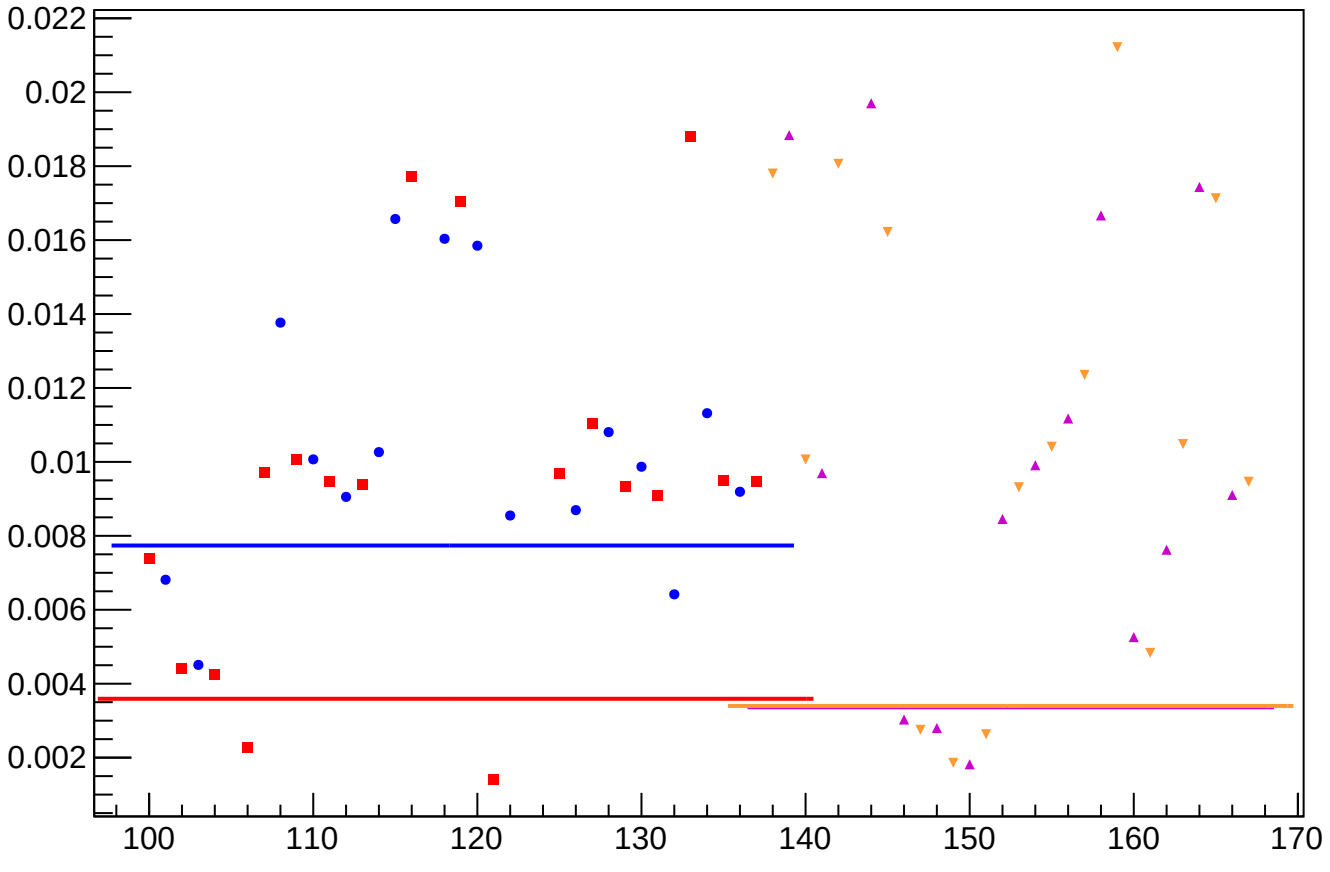
Left: -0.000+/-0.000 χ^2/NDF: 30.2/28

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:33.7/29

Out: -0.000+/-0.000 χ^2/NDF:36.1/32

All: -0.000+/-0.000 χ^2/NDF: 70.1/62



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:10270032.7/14

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:9471601.2/13

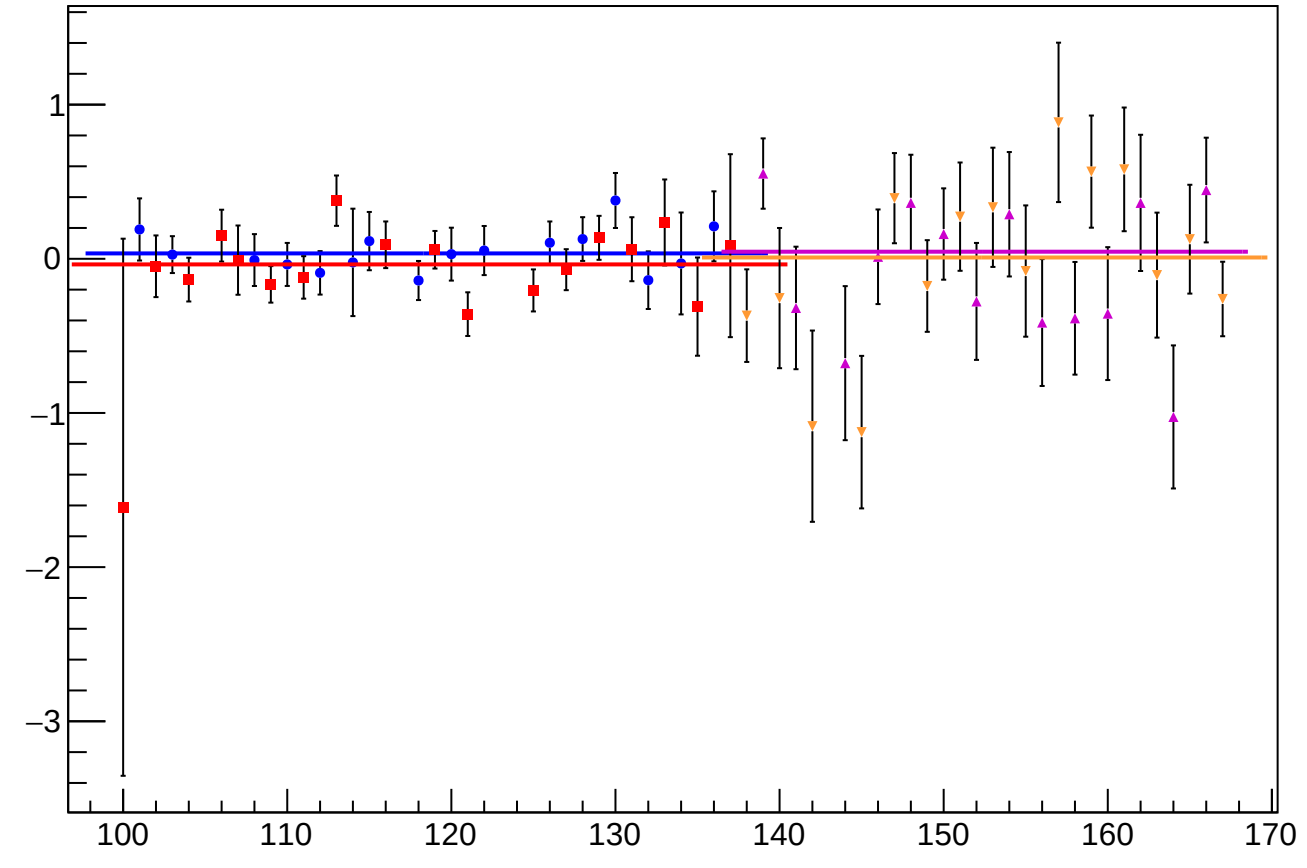
Left: 0.003+/-0.000 χ^2/NDF: 19742320.3/28

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:14470539.6/29

Out: 0.003+/-0.000 χ^2/NDF:16649114.5/32

All: 0.004+/-0.000 χ^2/NDF: 31393082.3/62



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.009+/-0.093 χ^2/NDF:22.4/14

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.046+/-0.094 χ^2/NDF:20.9/13

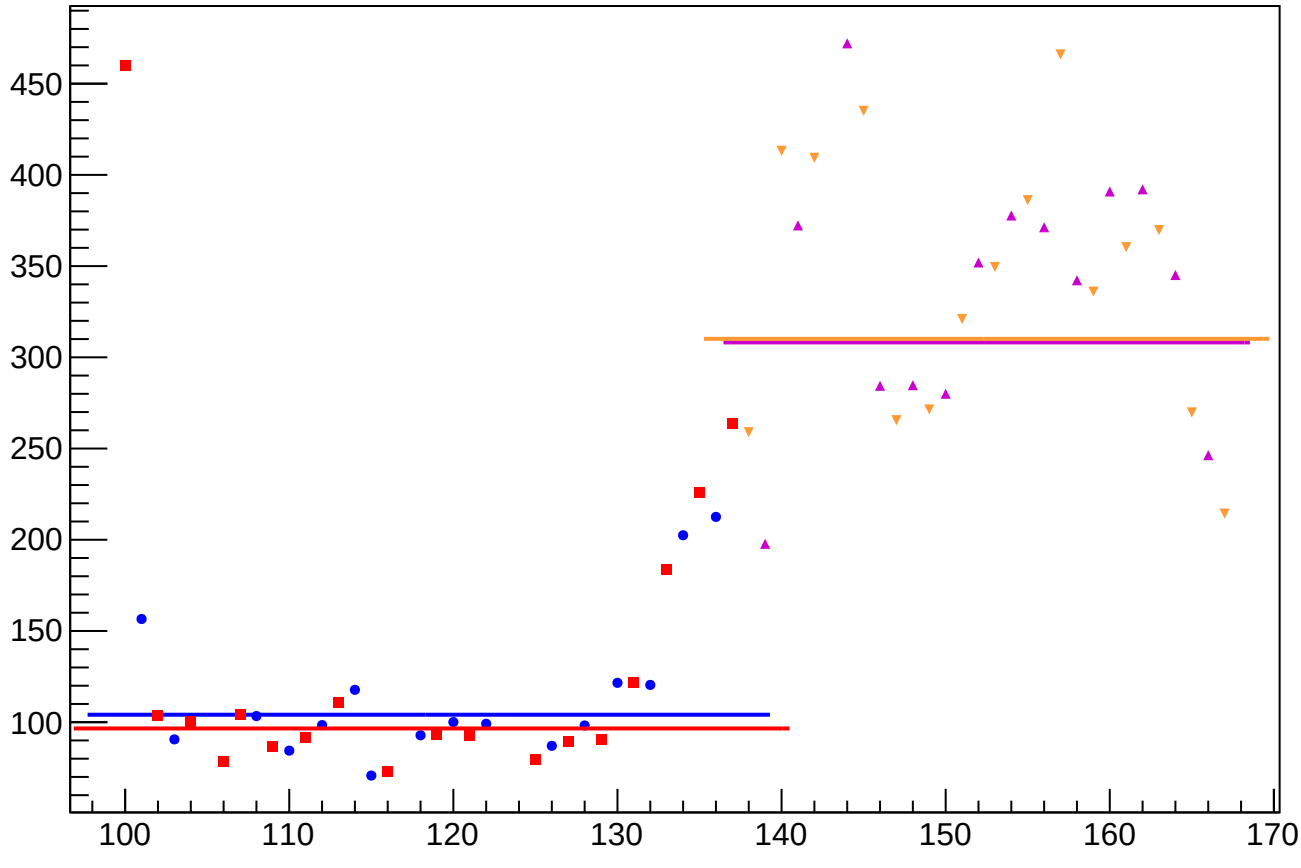
Left: 0.027+/-0.066 χ^2/NDF: 43.4/28

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.037+/-0.038 χ^2/NDF:30.7/29

Out: -0.030+/-0.036 χ^2/NDF:44.6/32

All: 0.002+/-0.026 χ^2/NDF: 76.9/62



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 310.140+/-0.066 χ^2/NDF:1113267.7/14

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 308.168+/-0.067 χ^2/NDF:1152568.0/13

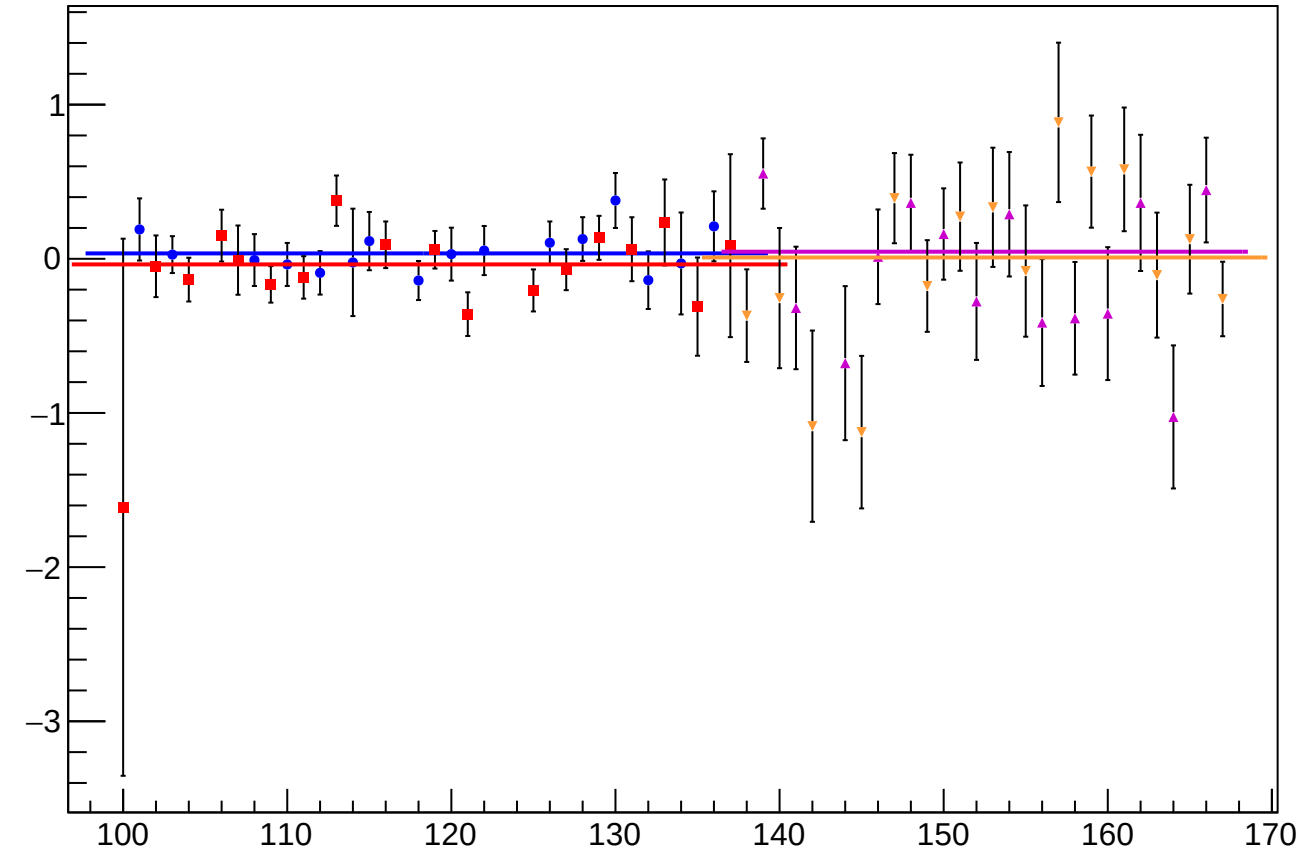
Left: 309.165+/-0.047 χ^2/NDF: 2266276.6/28

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 136.508+/-0.027 χ^2/NDF:9999008.1/29

Out: 128.147+/-0.025 χ^2/NDF:10982041.6/32

All: 132.132+/-0.018 χ^2/NDF: 21032722.2/62



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.009+/-0.093 χ^2/NDF:22.4/14

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.046+/-0.094 χ^2/NDF:20.9/13

Left: 0.027+/-0.066 χ^2/NDF: 43.4/28

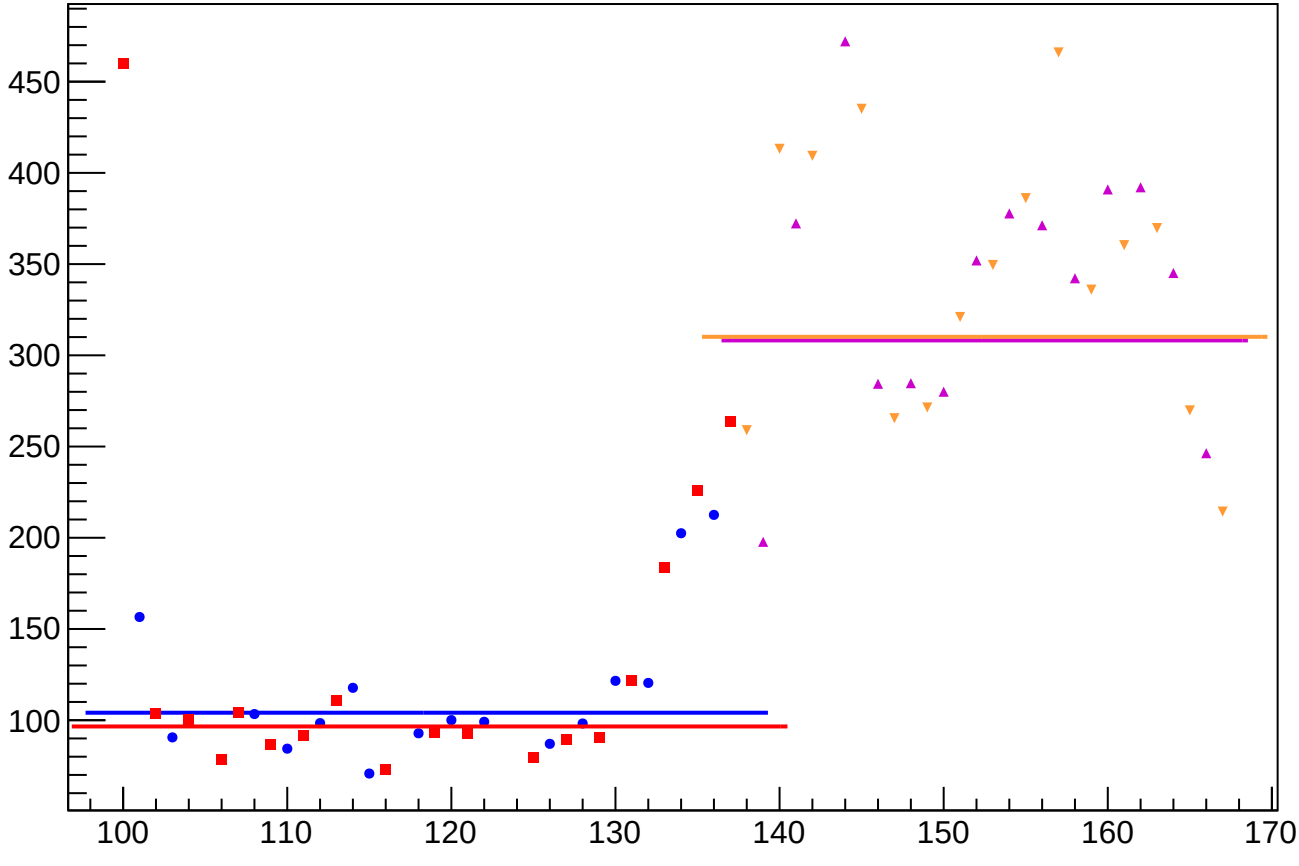
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.037+/-0.038 χ^2/NDF:30.7/29

Out: -0.030+/-0.036 χ^2/NDF:44.6/32

All: 0.002+/-0.026 χ^2/NDF: 76.9/62

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 310.140+/-0.066 χ^2/NDF:1113267.7/14

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 308.168+/-0.067 χ^2/NDF:1152568.0/13

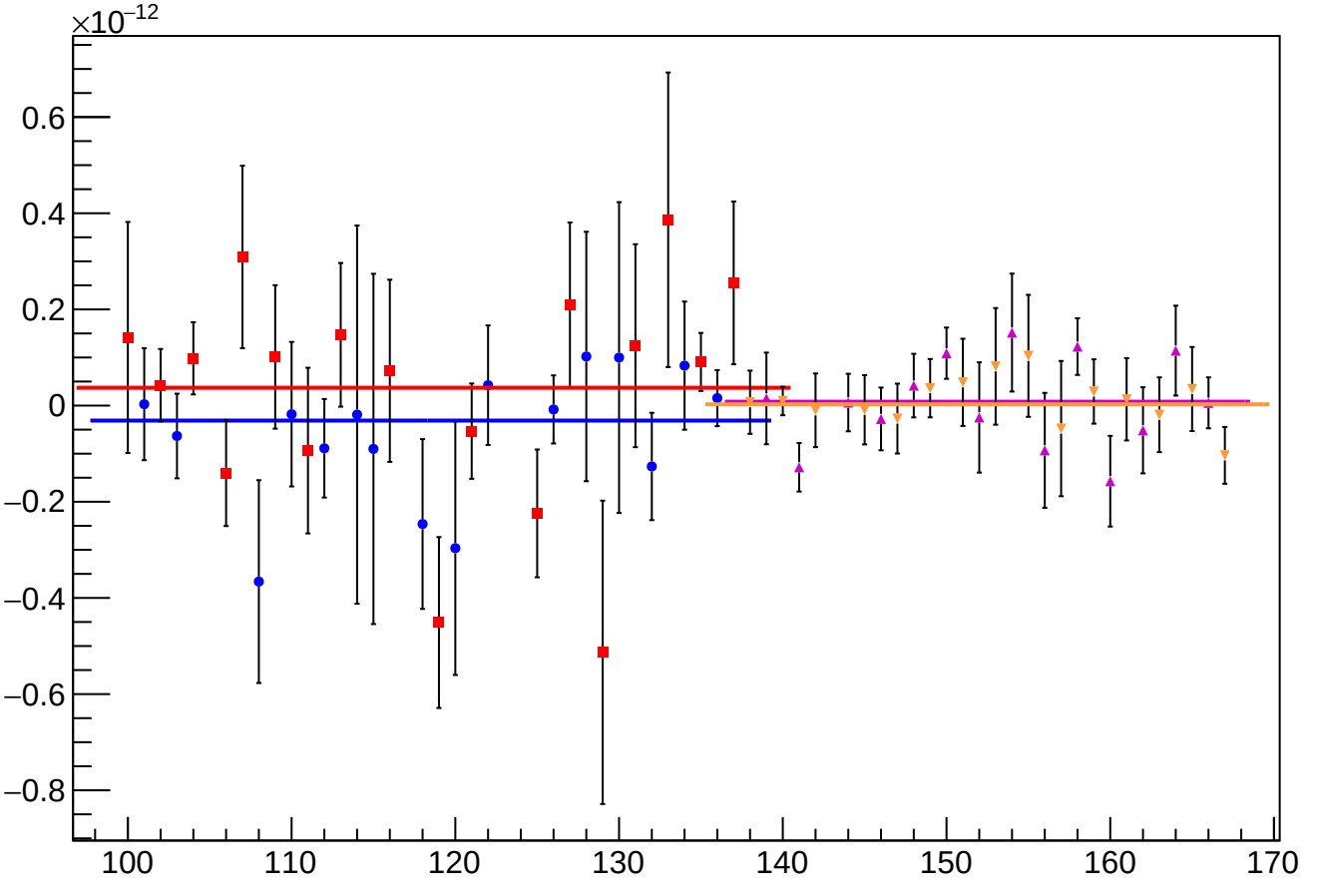
Left: 309.165+/-0.047 χ^2/NDF: 2266276.6/28

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 136.508+/-0.027 χ^2/NDF:9999008.1/29

Out: 128.147+/-0.025 χ^2/NDF:10982041.6/32

All: 132.132+/-0.018 χ^2/NDF: 21032722.2/62



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:22.2/13

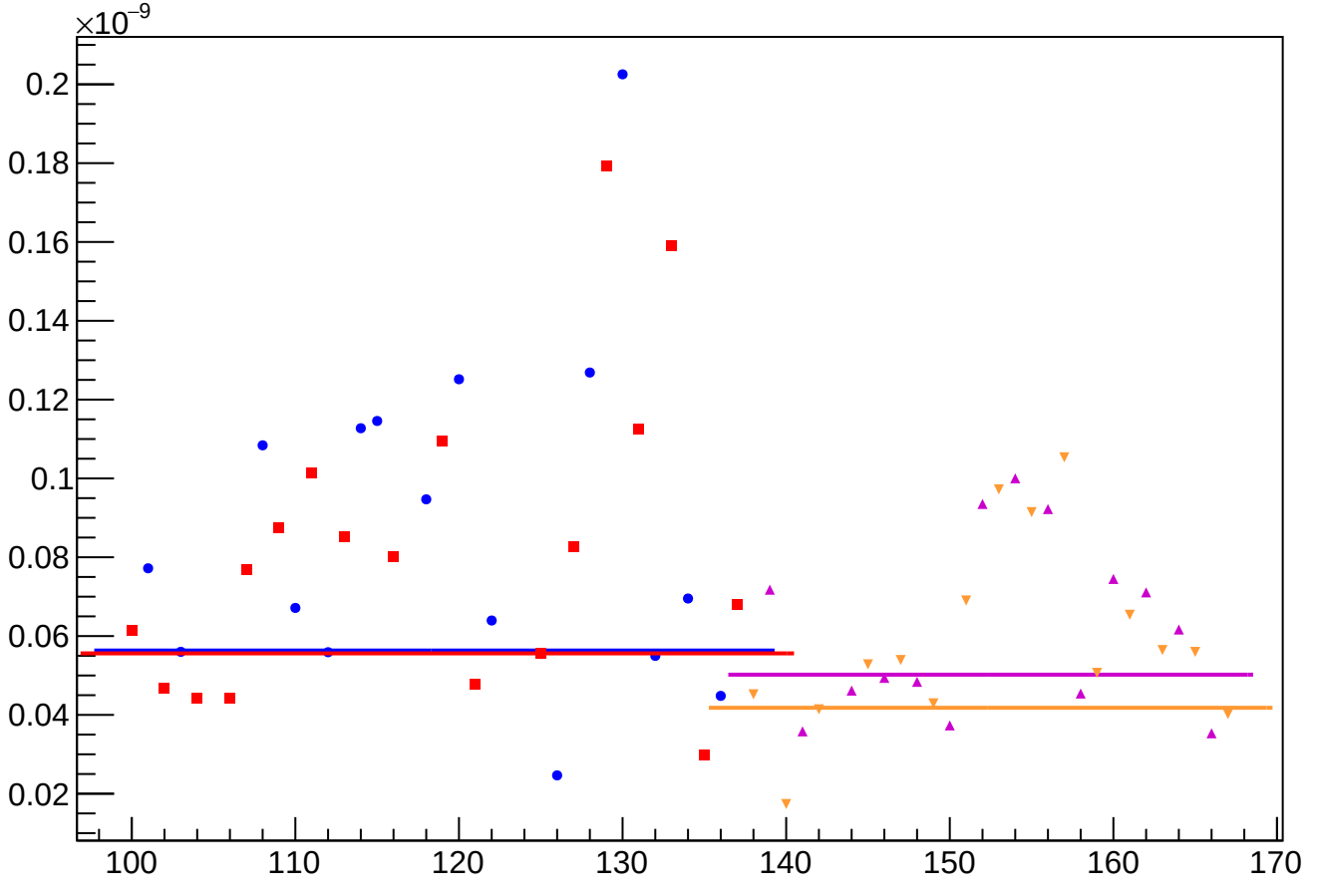
Left: 0.000+/-0.000 χ^2/NDF: 27.9/28

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:32.0/29

Out: 0.000+/-0.000 χ^2/NDF:33.7/32

All: 0.000+/-0.000 χ^2/NDF: 66.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3095536.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1698141.9/13

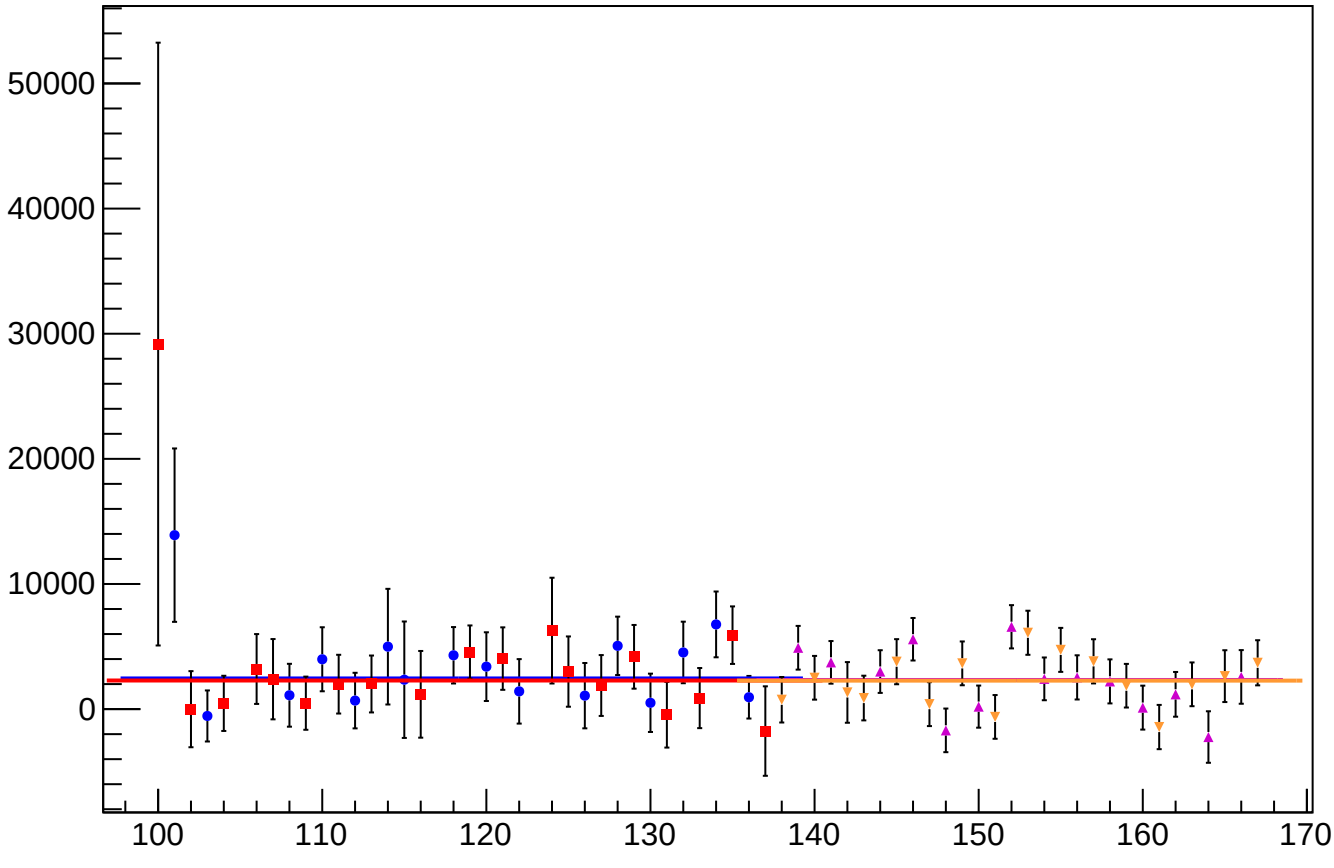
Left: 0.000+/-0.000 χ^2/NDF: 5012014.5/28

Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:3341843.8/29

Out: 0.000+/-0.000 χ^2/NDF:5204123.4/32

All: 0.000+/-0.000 χ^2/NDF: 8731508.9/62



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2276.930+/-452.512 χ^2/NDF:19.3/15

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2327.557+/-473.711 χ^2/NDF:26.6/13

Left: 2301.085+/-327.212 χ^2/NDF: 45.9/29

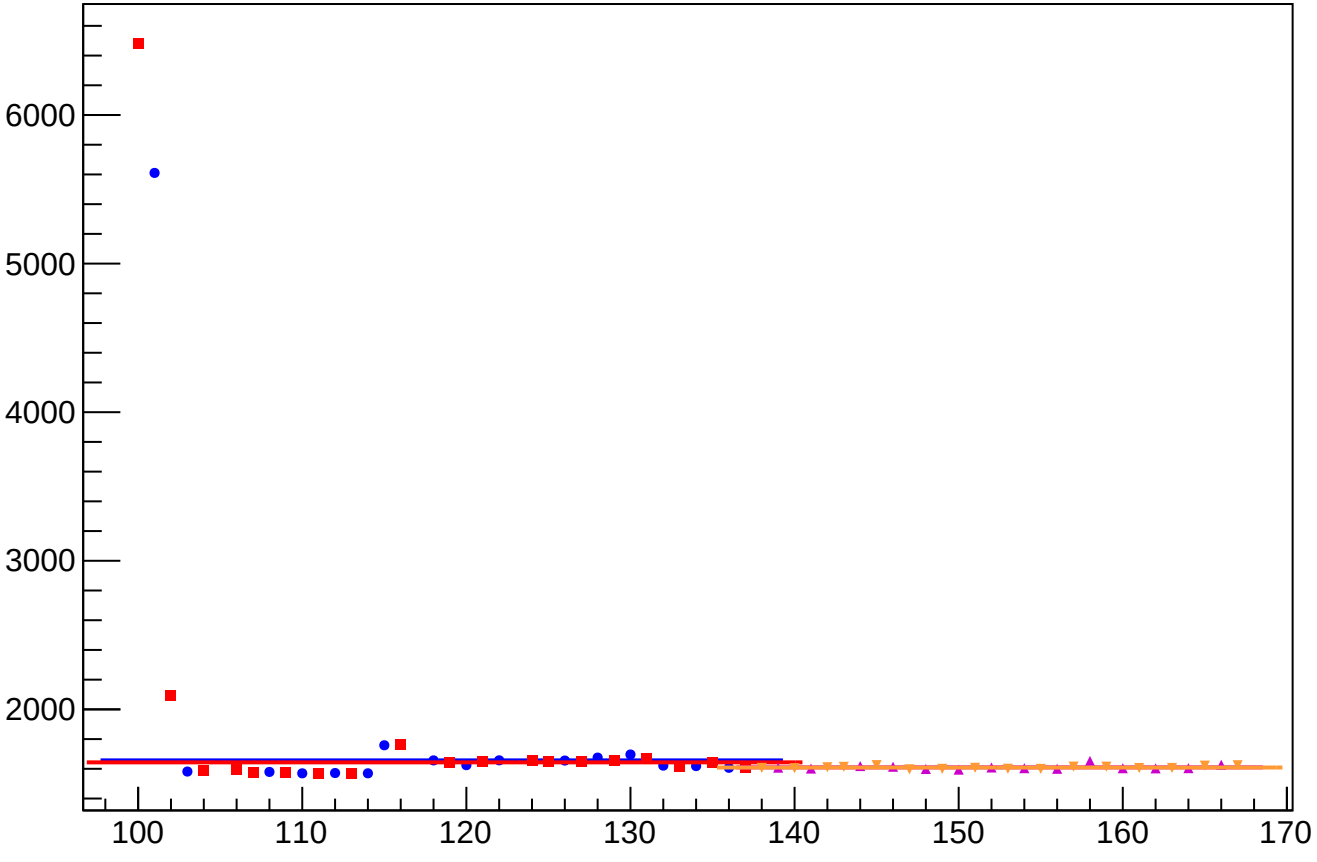
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2371.745+/-378.670 χ^2/NDF:40.5/29

Out: 2280.359+/-363.252 χ^2/NDF:31.1/34

All: 2324.153+/-262.139 χ^2/NDF: 71.6/64

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1608.770+/-0.320 χ^2/NDF:704.4/15

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1609.724+/-0.335 χ^2/NDF:1828.8/13

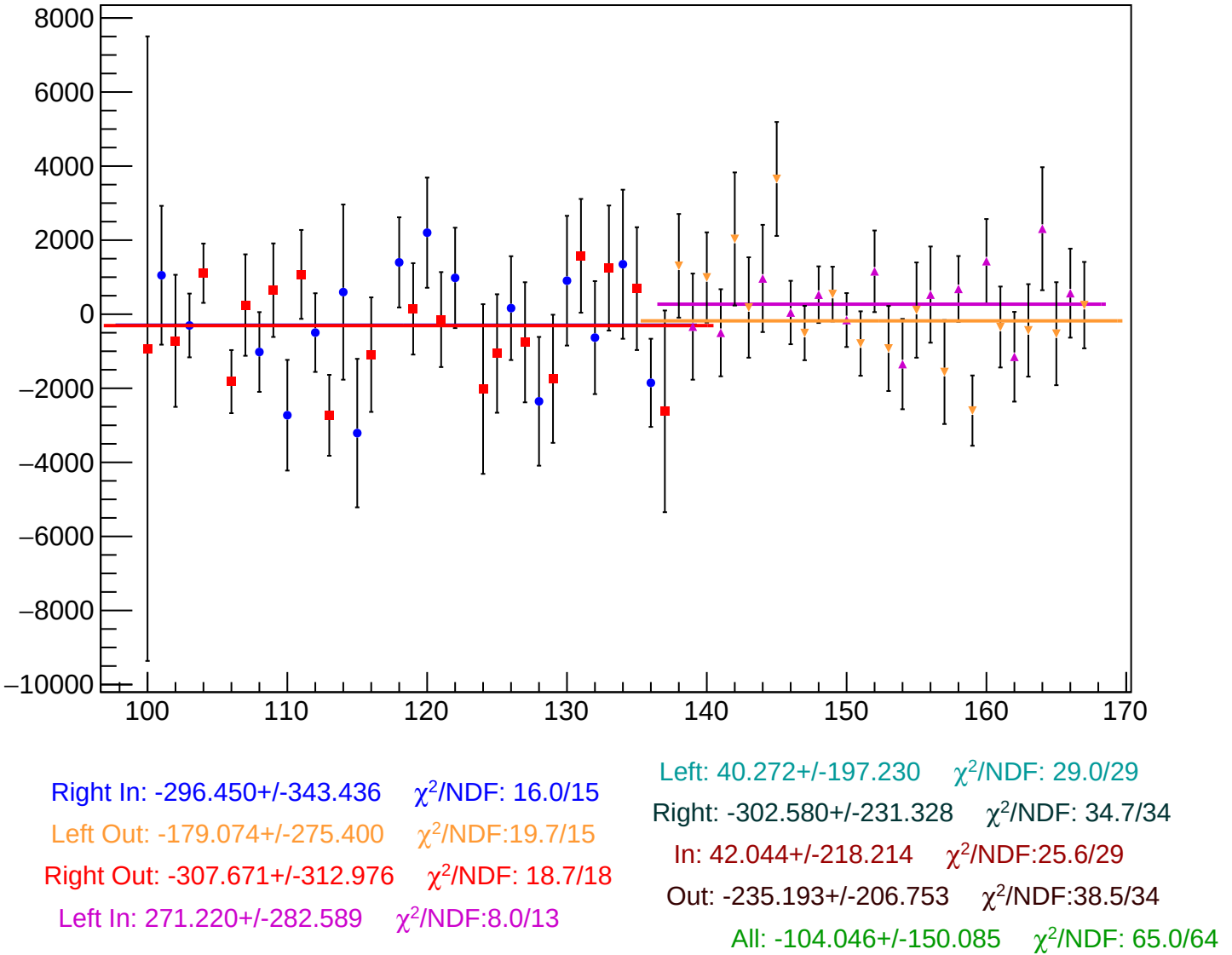
Left: 1609.225+/-0.231 χ^2/NDF: 2537.4/29

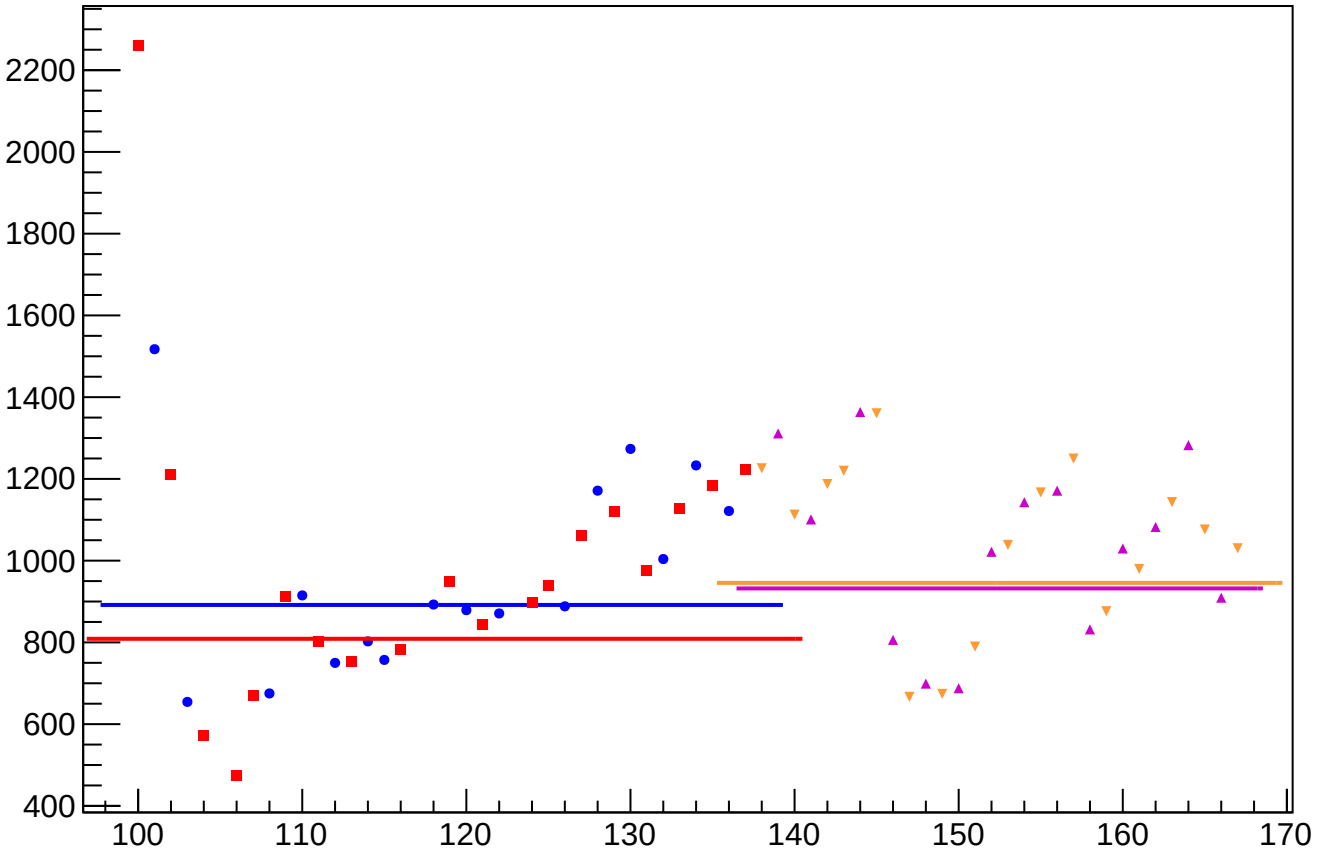
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1626.677+/-0.268 χ^2/NDF:675150.1/29

Out: 1621.095+/-0.257 χ^2/NDF:141874.7/34

All: 1623.770+/-0.185 χ^2/NDF: 817251.1/64


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: -296.450+/-343.436 χ²/NDF: 16.0/15
Left Out: -179.074+/-275.400 χ²/NDF:19.7/15
Right Out: -307.671+/-312.976 χ²/NDF: 18.7/18
Left In: 271.220+/-282.589 χ²/NDF:8.0/13
Left: 40.272+/-197.230 χ²/NDF: 29.0/29
Right: -302.580+/-231.328 χ²/NDF: 34.7/34
In: 42.044+/-218.214 χ²/NDF:25.6/29
Out: -235.193+/-206.753 χ²/NDF:38.5/34
All: -104.046+/-150.085 χ²/NDF: 65.0/64



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 945.609+/-0.195 χ^2/NDF:1261924.1/15

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 932.018+/-0.200 χ^2/NDF:1115280.5/13

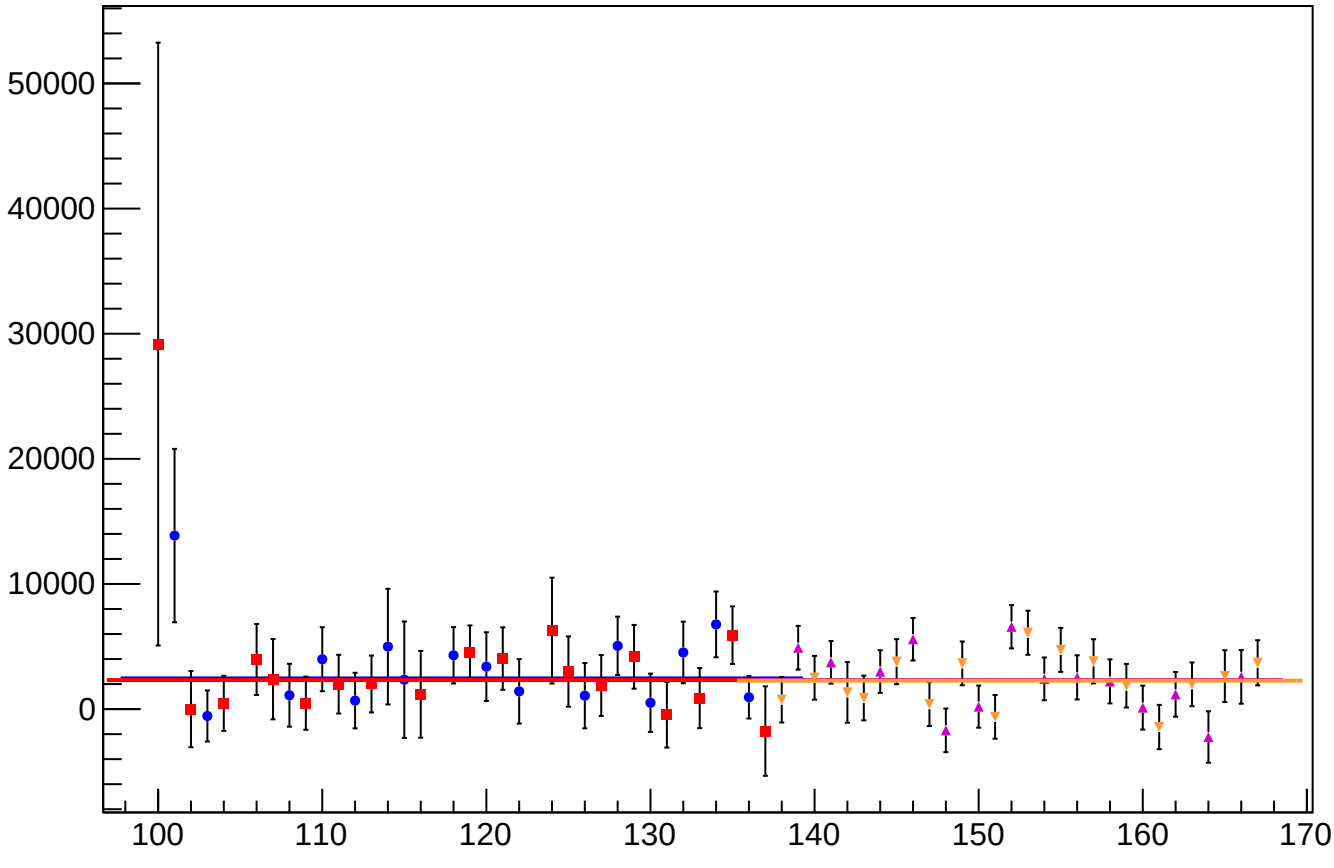
Left: 938.988+/-0.139 χ^2/NDF: 2379577.3/29

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 915.714+/-0.154 χ^2/NDF:1925667.9/29

Out: 885.910+/-0.146 χ^2/NDF:2561119.2/34

All: 900.009+/-0.106 χ^2/NDF: 4506446.7/64



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2276.918+/-452.512 χ^2/NDF:19.3/15

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2327.582+/-473.711 χ^2/NDF:26.6/13

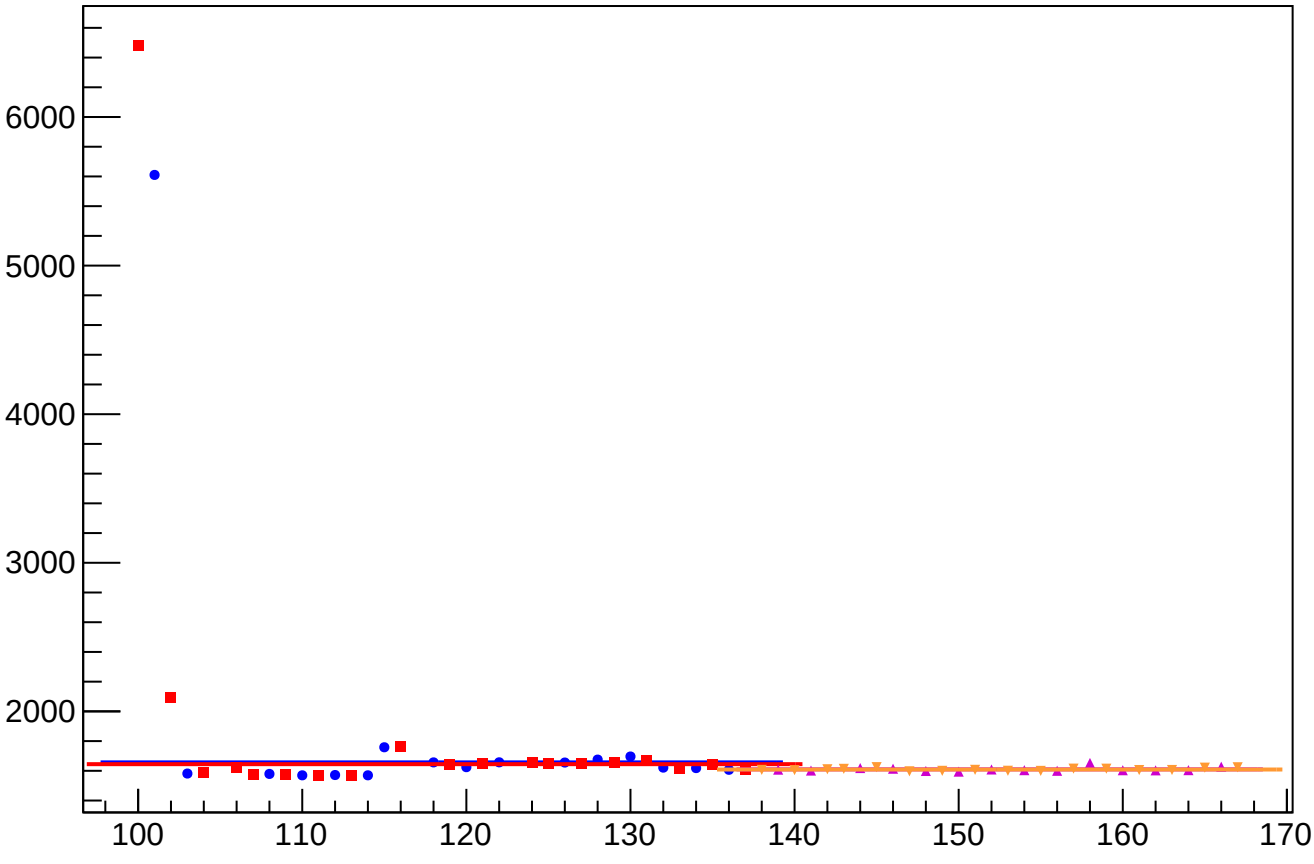
Left: 2301.091+/-327.212 χ^2/NDF: 45.9/29

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2371.558+/-378.670 χ^2/NDF:40.5/29

Out: 2292.426+/-363.358 χ^2/NDF:31.3/34

All: 2330.360+/-262.179 χ^2/NDF: 71.8/64



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.770+/-0.320 χ^2/NDF:704.4/15

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.724+/-0.335 χ^2/NDF:1828.8/13

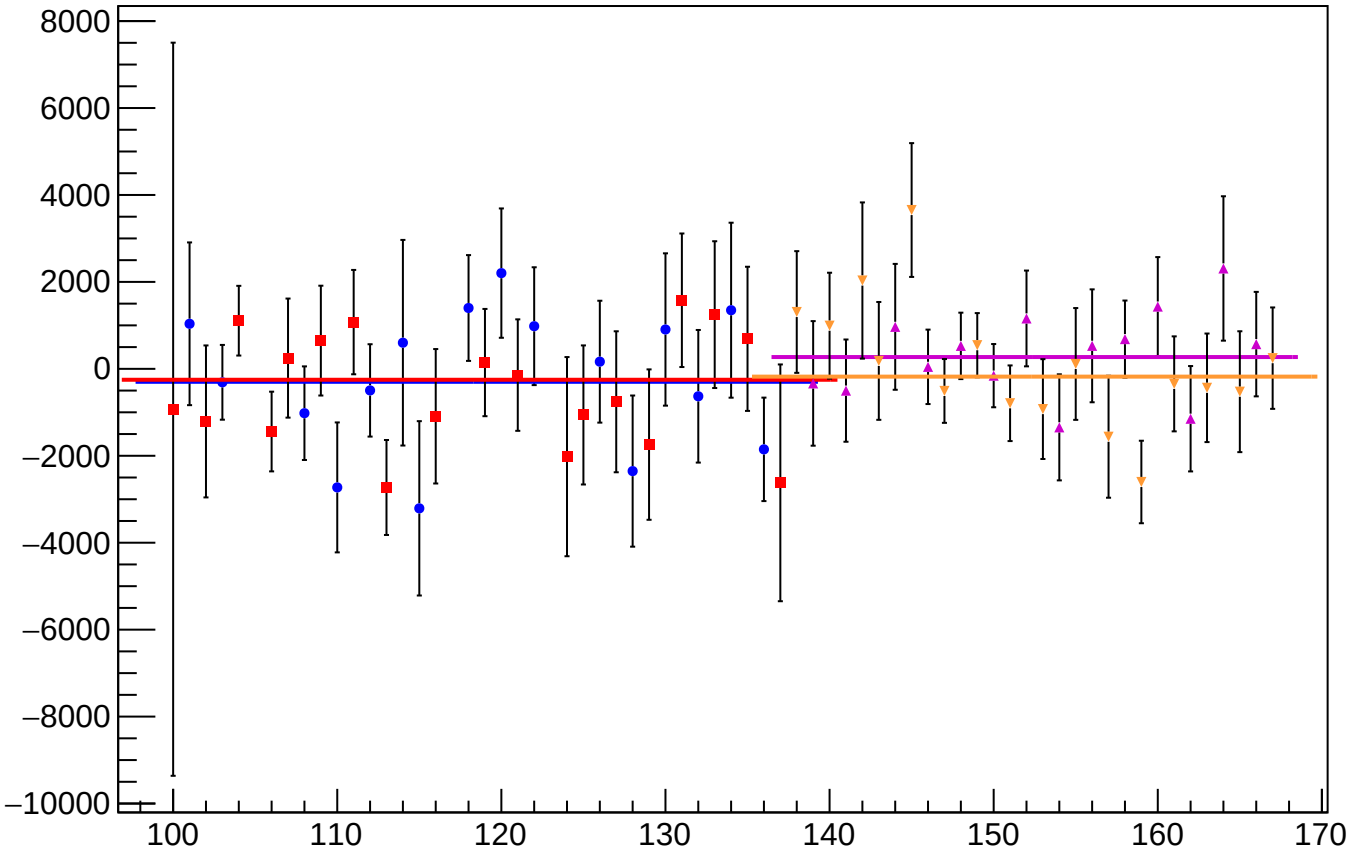
Left: 1609.225+/-0.231 χ^2/NDF: 2537.4/29

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.677+/-0.268 χ^2/NDF:675149.7/29

Out: 1621.545+/-0.257 χ^2/NDF:141674.7/34

All: 1624.005+/-0.185 χ^2/NDF: 817015.6/64



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -179.116+/-275.397 χ^2/NDF:19.7/15

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 271.256+/-282.590 χ^2/NDF:8.0/13

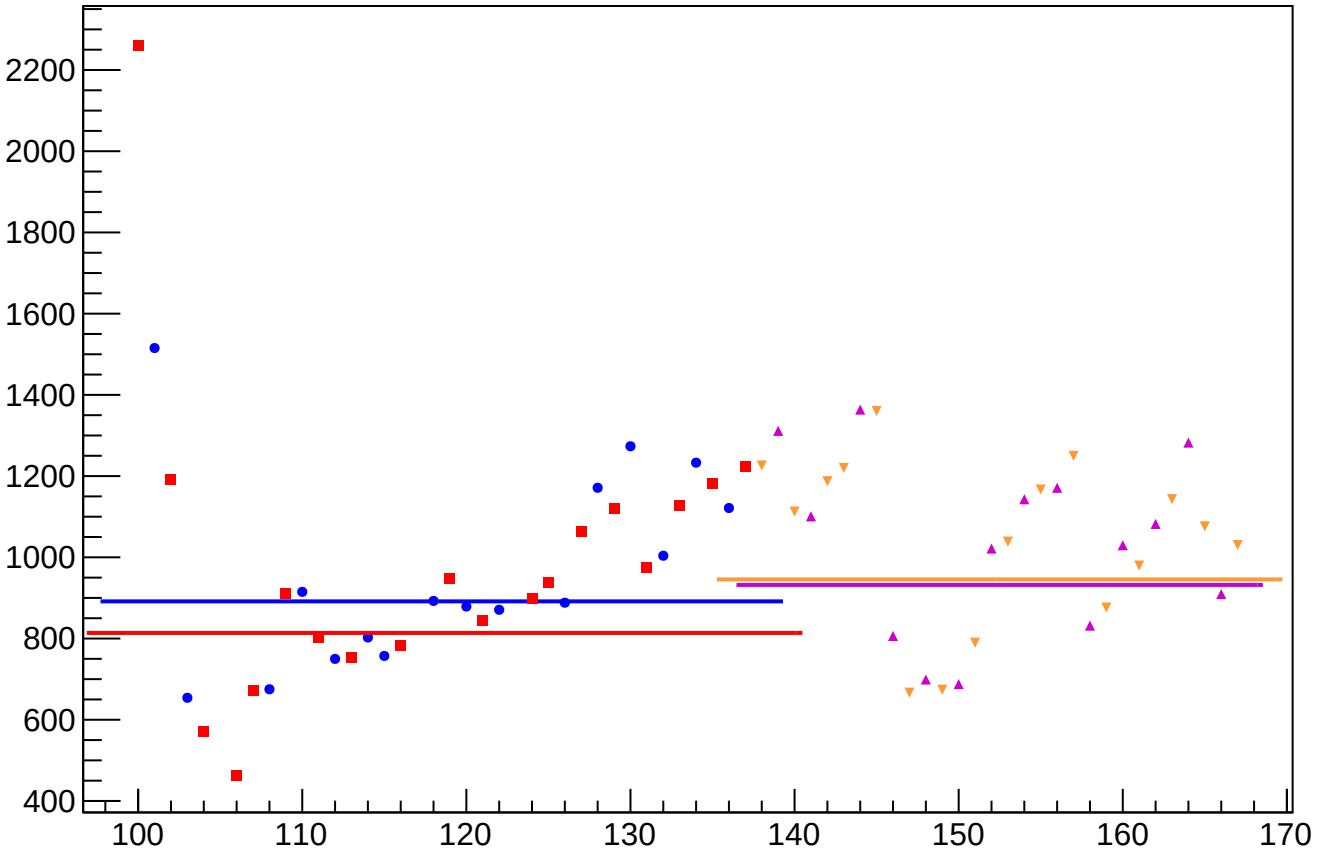
Left: 40.265+/-197.229 χ^2/NDF: 29.0/29

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 41.485+/-218.203 χ^2/NDF:25.6/29

Out: -210.273+/-207.545 χ^2/NDF:37.0/34

All: -90.692+/-150.383 χ^2/NDF: 63.3/64



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 945.598+/-0.195 χ^2/NDF:1262006.2/15

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 932.022+/-0.200 χ^2/NDF:1115234.3/13

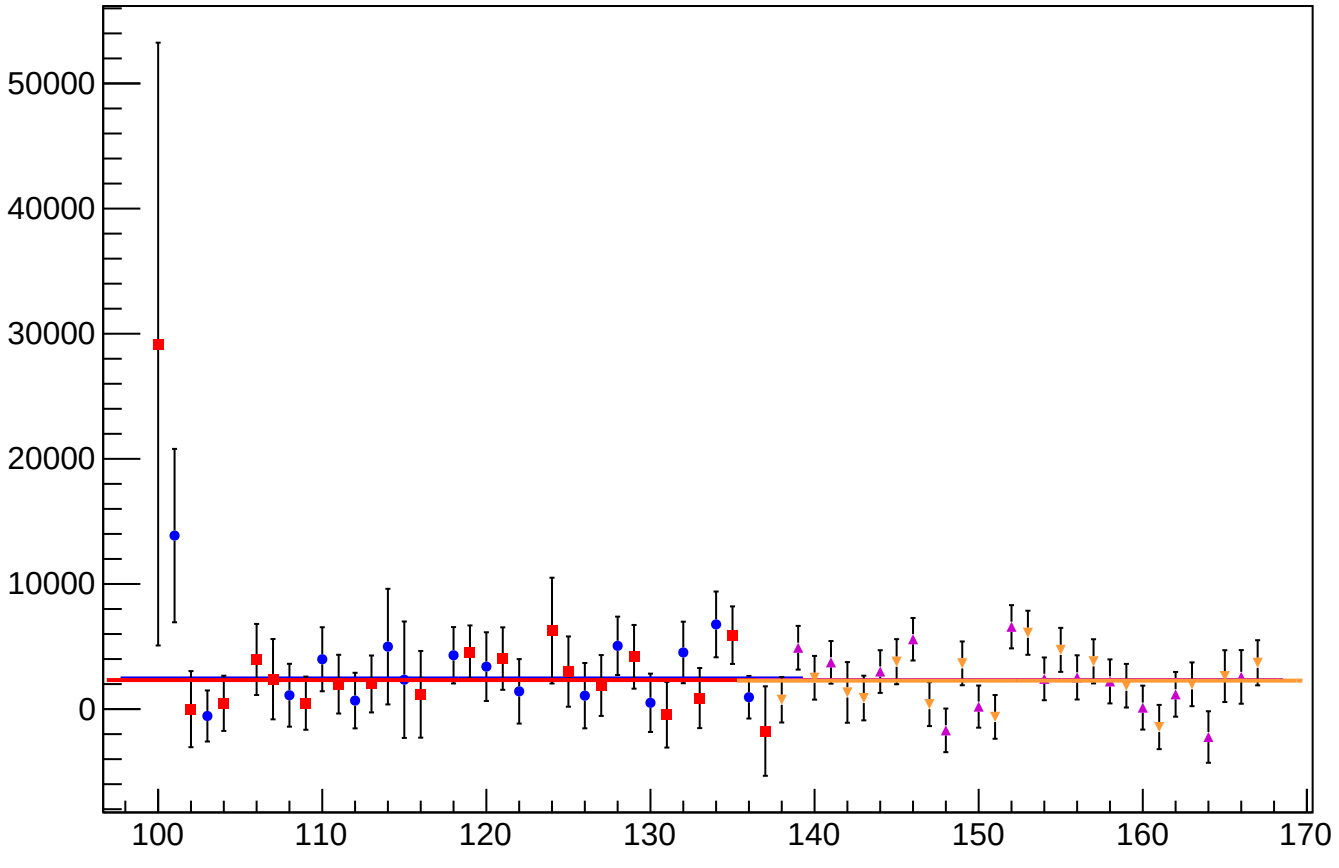
Left: 938.985+/-0.139 χ^2/NDF: 2379607.8/29

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 915.674+/-0.154 χ^2/NDF:1925470.0/29

Out: 888.657+/-0.147 χ^2/NDF:2512886.4/34

All: 901.489+/-0.106 χ^2/NDF: 4454453.6/64



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2276.918+/-452.512 χ^2/NDF:19.3/15

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2327.582+/-473.711 χ^2/NDF:26.6/13

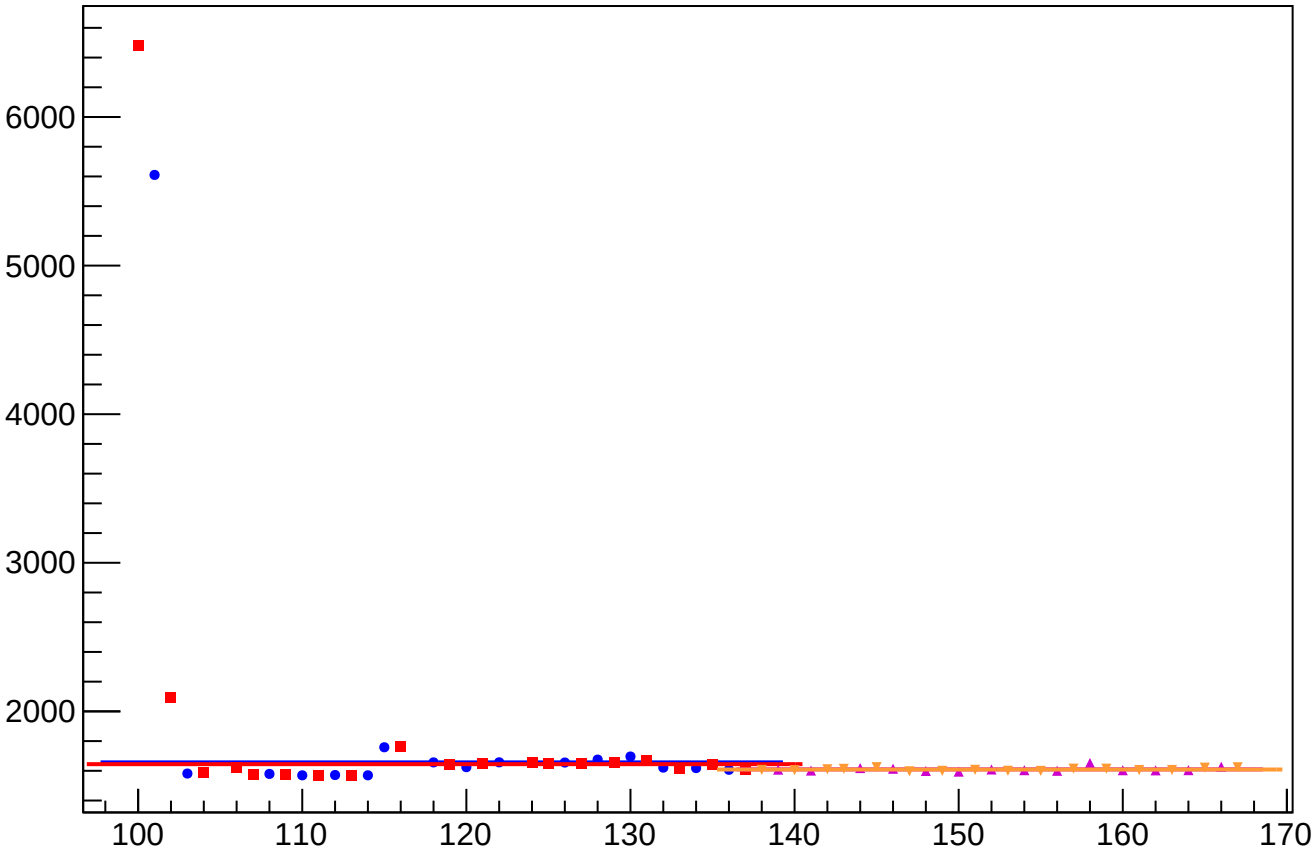
Left: 2301.091+/-327.212 χ^2/NDF: 45.9/29

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2371.558+/-378.670 χ^2/NDF:40.5/29

Out: 2292.426+/-363.358 χ^2/NDF:31.3/34

All: 2330.360+/-262.179 χ^2/NDF: 71.8/64



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.770+/-0.320 χ^2/NDF:704.4/15

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.724+/-0.335 χ^2/NDF:1828.8/13

Left: 1609.225+/-0.231 χ^2/NDF: 2537.4/29

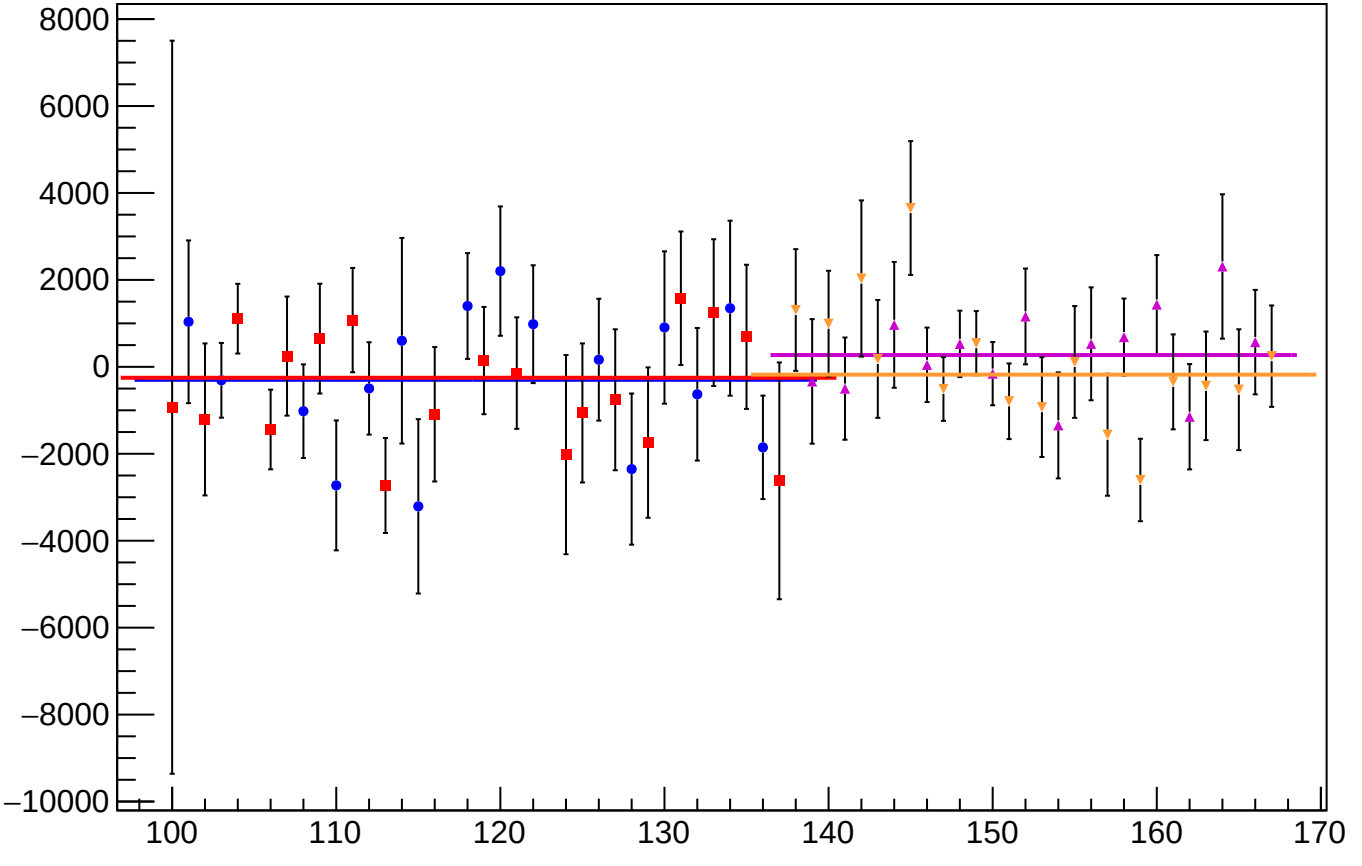
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.677+/-0.268 χ^2/NDF:675149.7/29

Out: 1621.545+/-0.257 χ^2/NDF:141674.7/34

All: 1624.005+/-0.185 χ^2/NDF: 817015.6/64

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -179.116+/-275.397 χ^2/NDF:19.7/15

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 271.256+/-282.590 χ^2/NDF:8.0/13

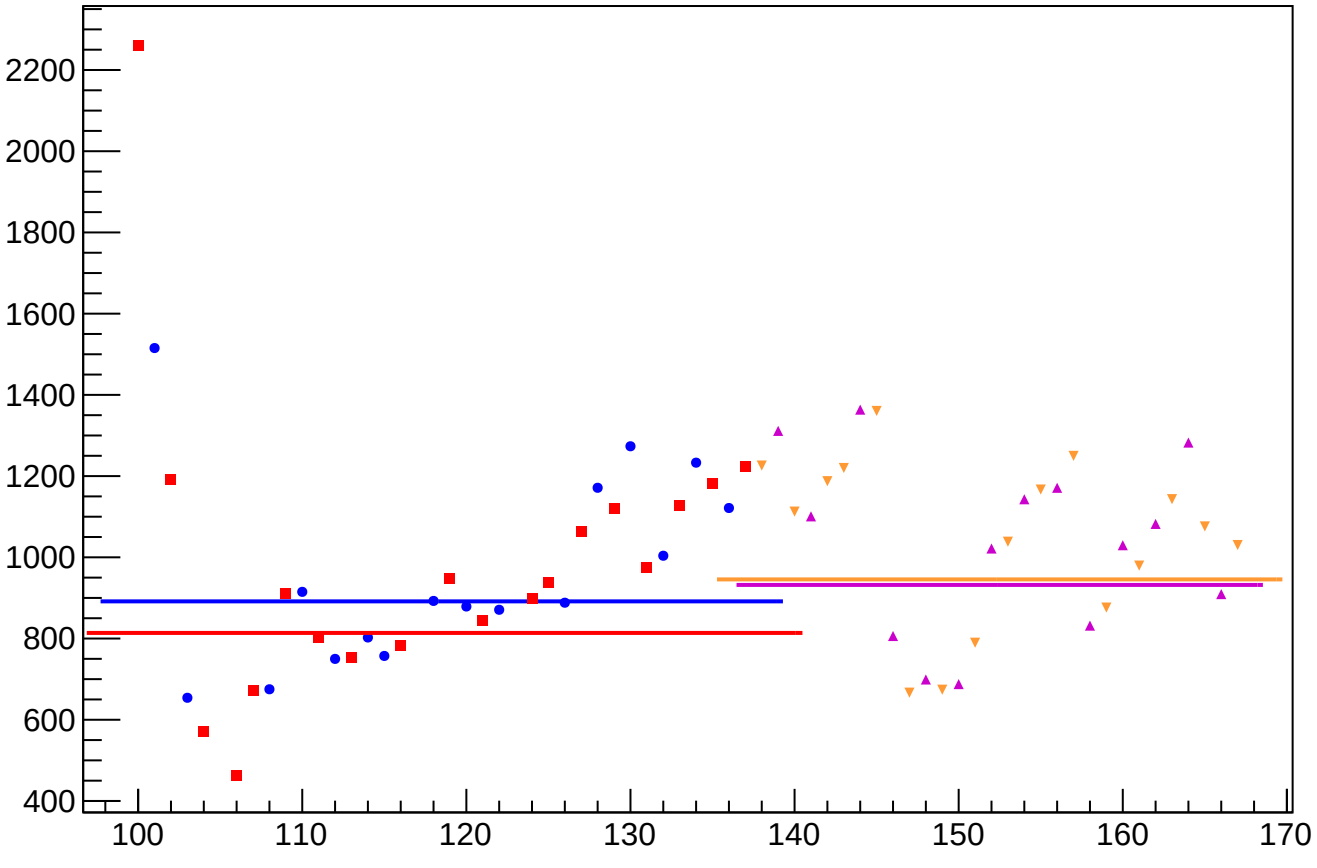
Left: 40.265+/-197.229 χ^2/NDF: 29.0/29

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 41.485+/-218.203 χ^2/NDF:25.6/29

Out: -210.273+/-207.545 χ^2/NDF:37.0/34

All: -90.692+/-150.383 χ^2/NDF: 63.3/64



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 945.598+/-0.195 χ^2/NDF:1262006.2/15

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 932.022+/-0.200 χ^2/NDF:1115234.3/13

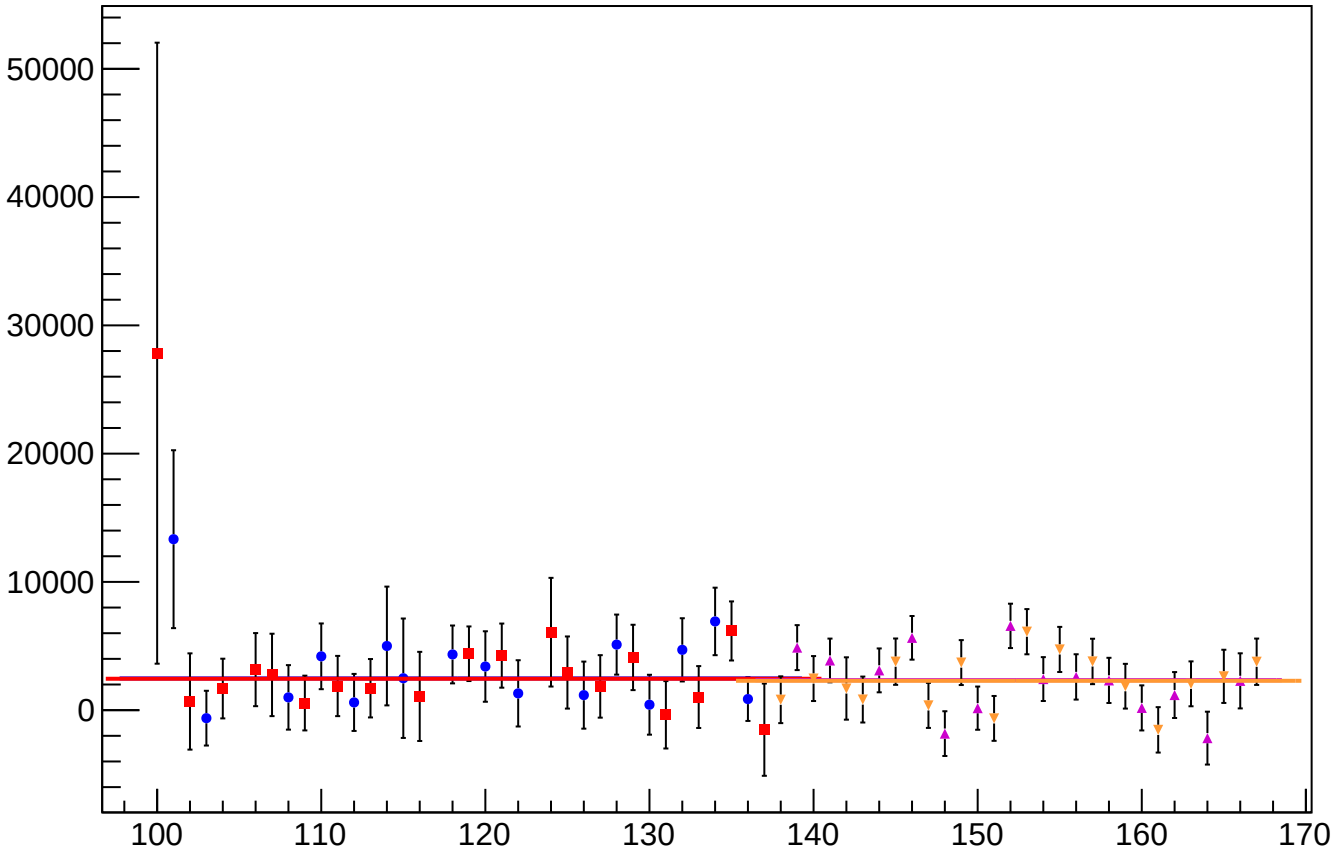
Left: 938.985+/-0.139 χ^2/NDF: 2379607.8/29

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 915.674+/-0.154 χ^2/NDF:1925470.0/29

Out: 888.657+/-0.147 χ^2/NDF:2512886.4/34

All: 901.489+/-0.106 χ^2/NDF: 4454453.6/64



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2289.412+/-453.219 χ^2/NDF:19.6/15

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2338.772+/-474.330 χ^2/NDF:27.0/13

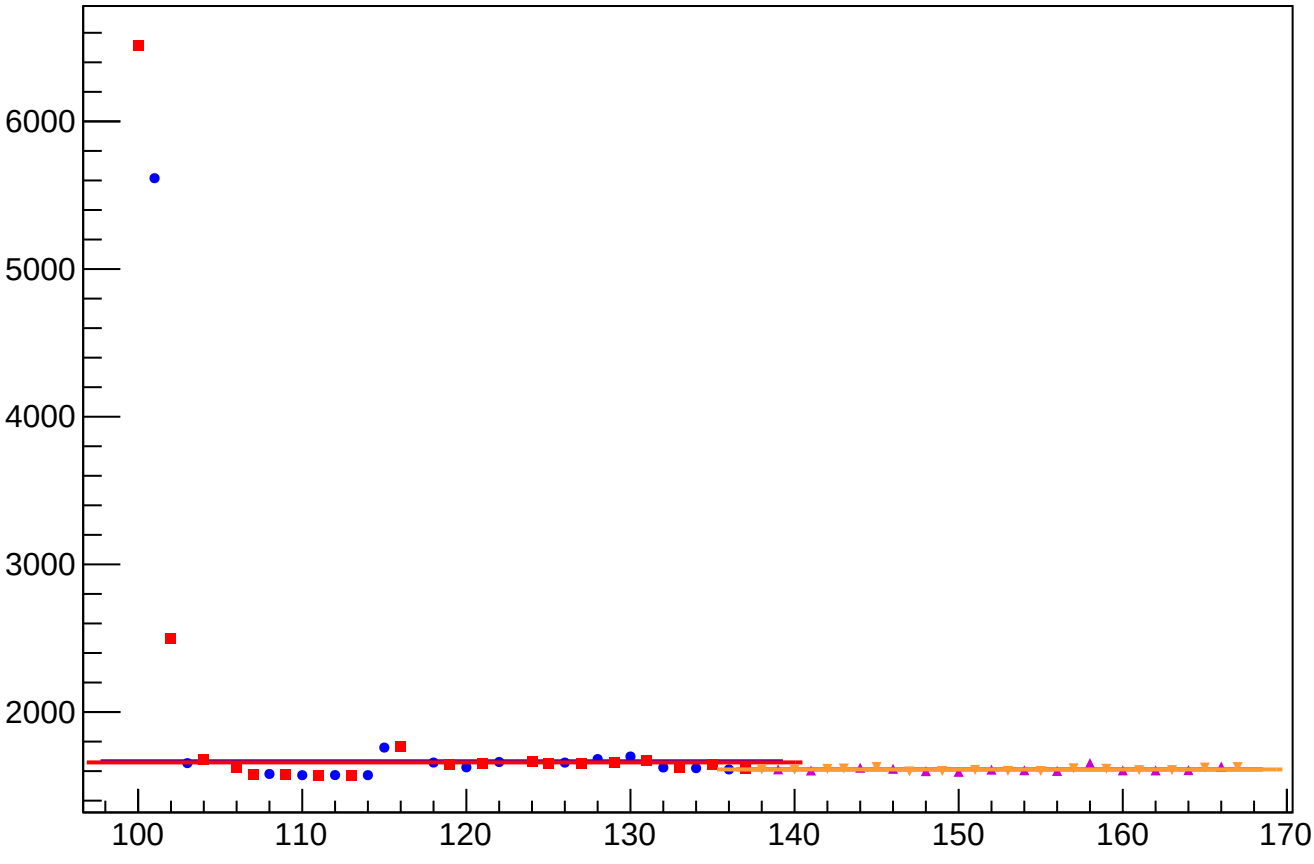
Left: 2312.969+/-327.683 χ^2/NDF: 46.6/29

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2387.755+/-379.771 χ^2/NDF:41.2/29

Out: 2345.298+/-365.376 χ^2/NDF:30.2/34

All: 2365.707+/-263.302 χ^2/NDF: 71.4/64



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1611.272+/-0.320 χ^2/NDF:833.0/15

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1611.814+/-0.335 χ^2/NDF:1901.3/13

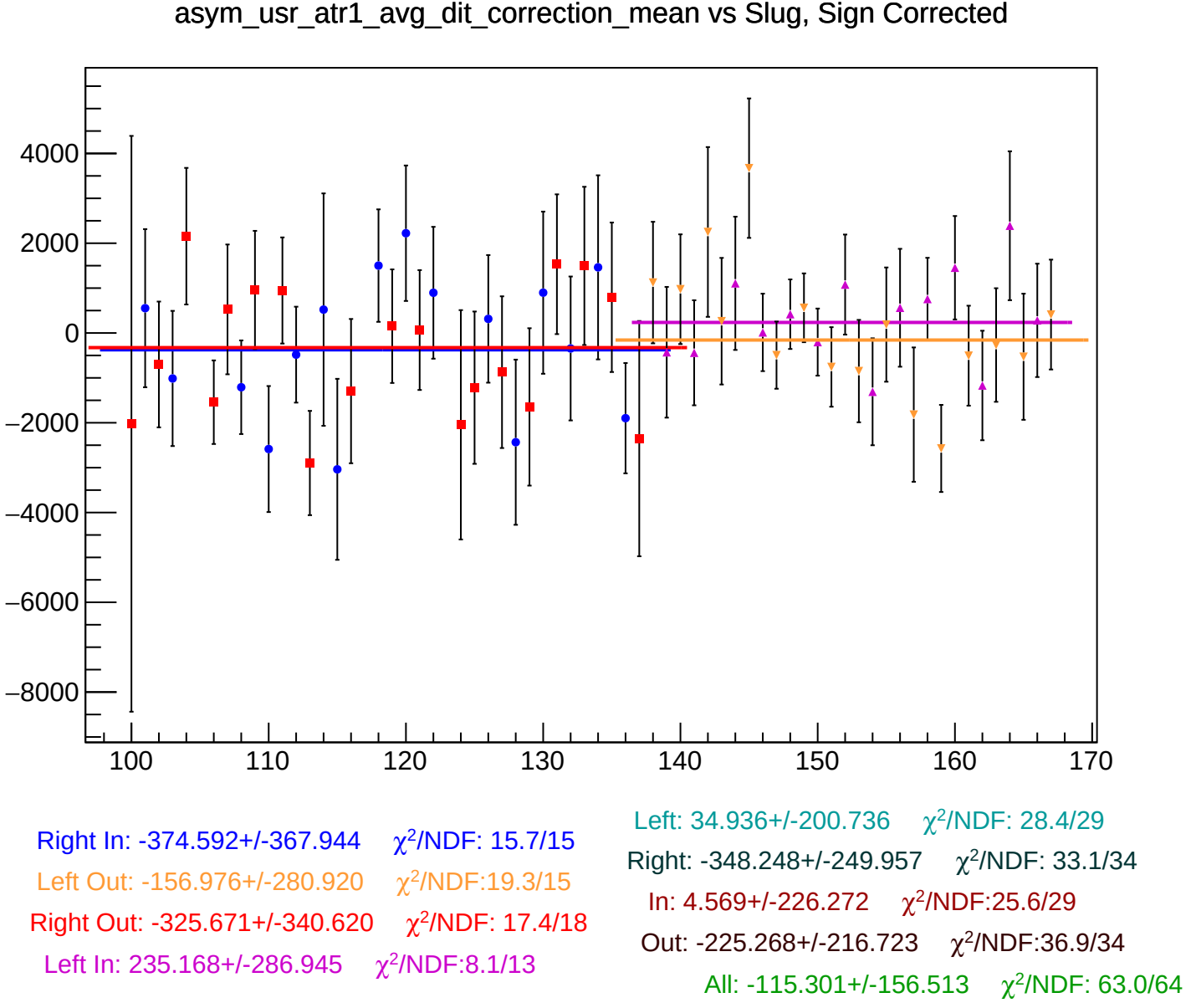
Left: 1611.531+/-0.232 χ^2/NDF: 2735.7/29

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

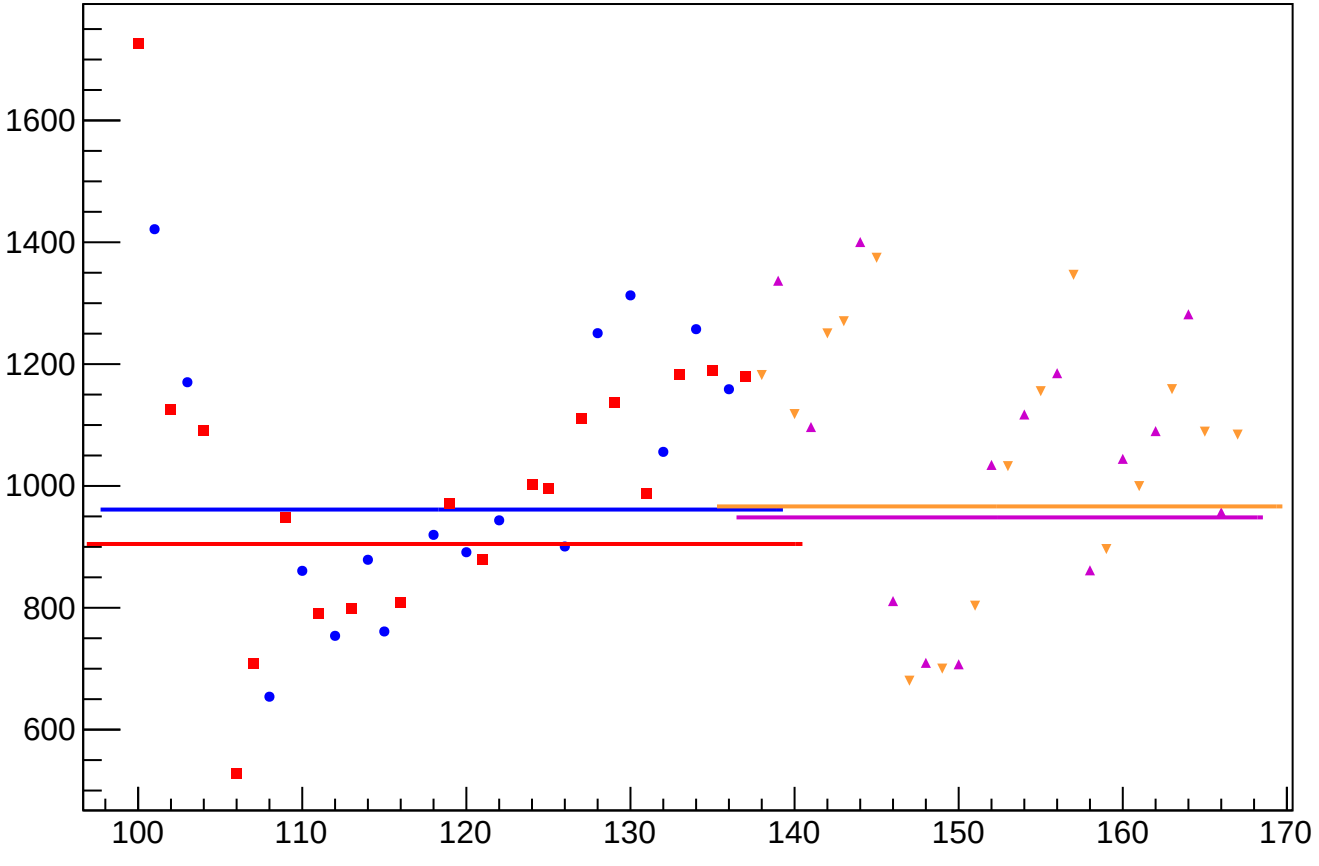
In: 1631.408+/-0.269 χ^2/NDF:674323.5/29

Out: 1627.982+/-0.258 χ^2/NDF:201822.7/34

All: 1629.629+/-0.186 χ^2/NDF: 876230.8/64


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: -156.976+/-280.920 χ²/NDF:19.3/15
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: 235.168+/-286.945 χ²/NDF:8.1/13
Left: 34.936+/-200.736 χ²/NDF: 28.4/29
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: 4.569+/-226.272 χ²/NDF:25.6/29
Out: -225.268+/-216.723 χ²/NDF:36.9/34
All: -115.301+/-156.513 χ²/NDF: 63.0/64

asym_usr_atr1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 966.401+/-0.199 χ^2/NDF:1230876.7/15

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 948.376+/-0.203 χ^2/NDF:1065308.3/13

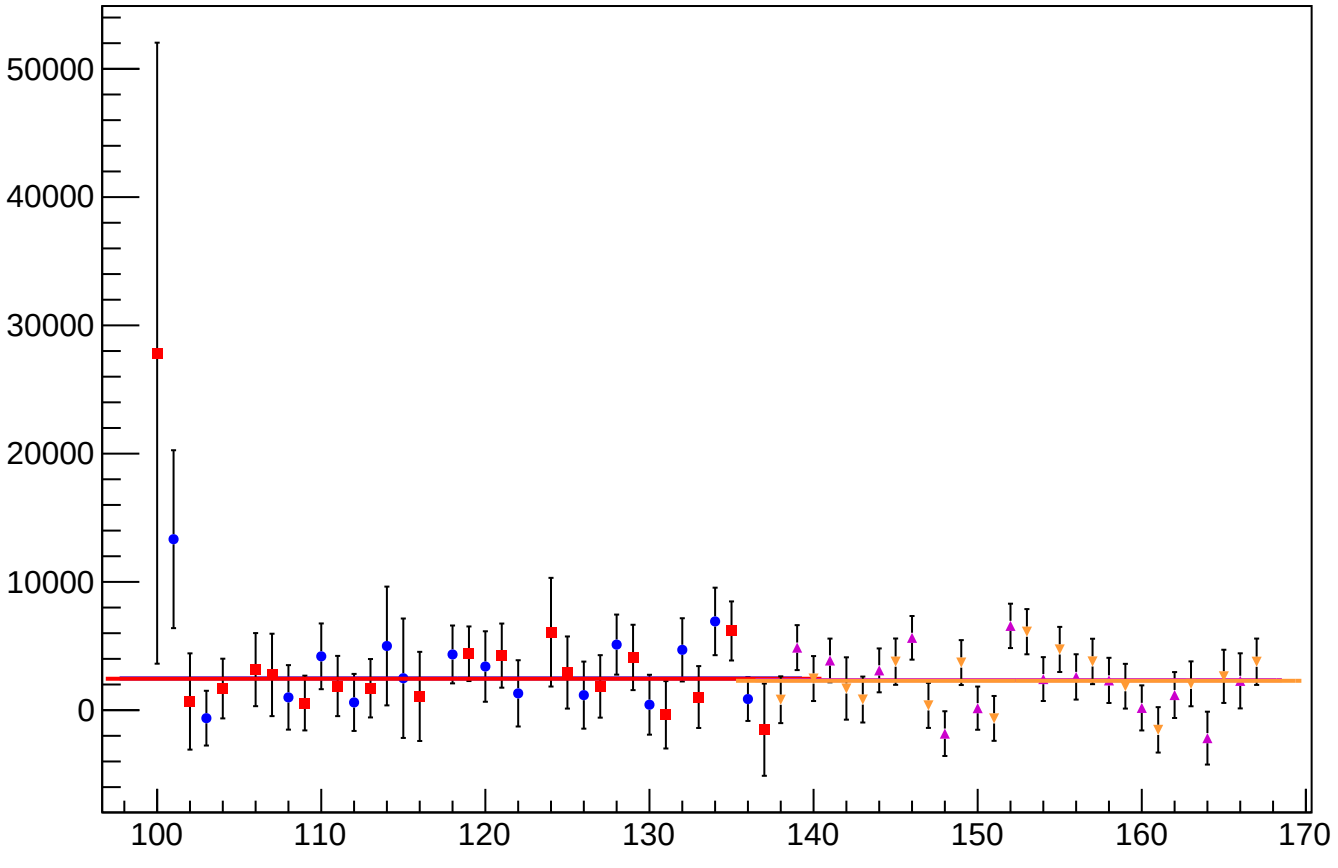
Left: 957.580+/-0.142 χ^2/NDF: 2300215.0/29

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 953.242+/-0.160 χ^2/NDF:1758704.5/29

Out: 941.438+/-0.153 χ^2/NDF:2006374.8/34

All: 947.085+/-0.111 χ^2/NDF: 3767917.9/64



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2289.411+/-453.219 χ^2/NDF:19.6/15

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2338.772+/-474.330 χ^2/NDF:27.0/13

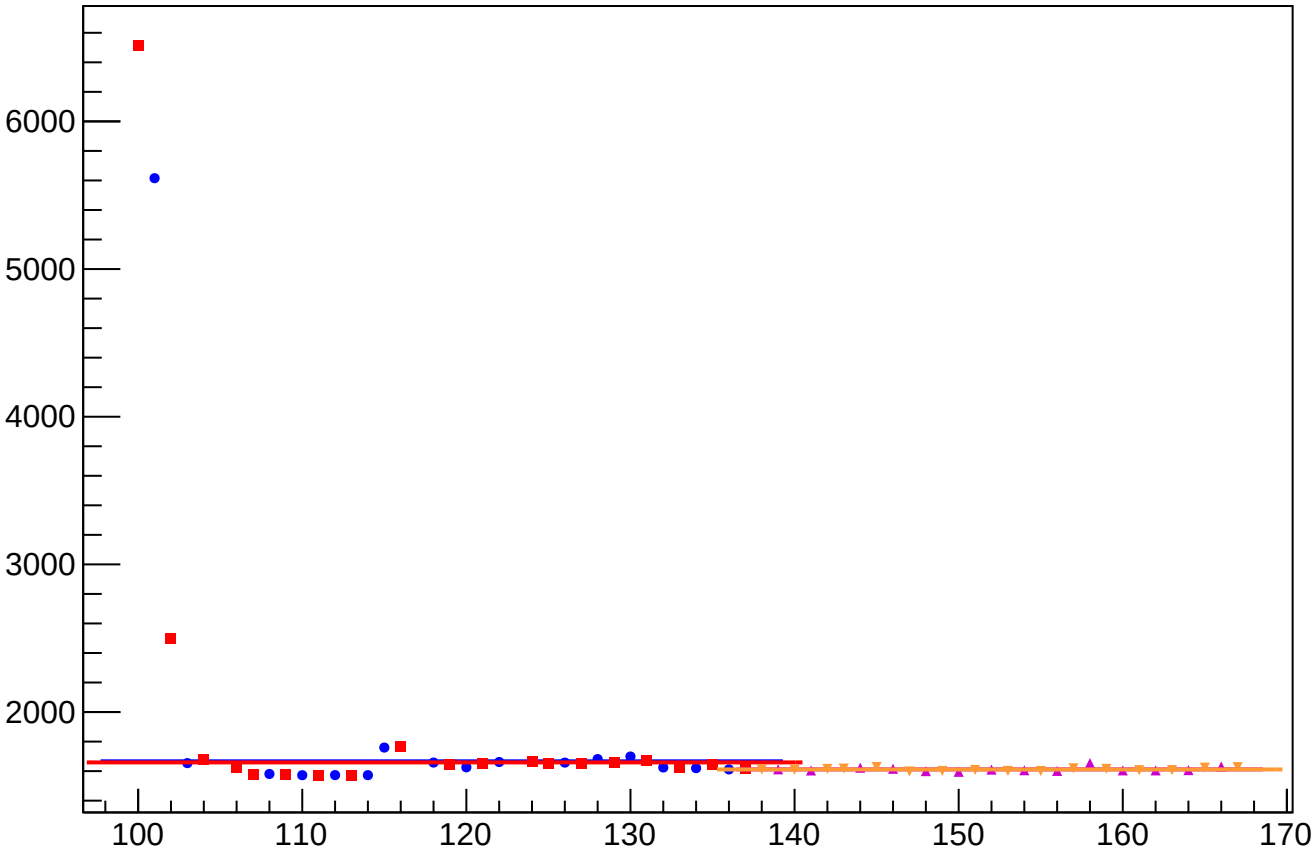
Left: 2312.969+/-327.683 χ^2/NDF: 46.6/29

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2387.755+/-379.771 χ^2/NDF:41.2/29

Out: 2345.298+/-365.376 χ^2/NDF:30.2/34

All: 2365.706+/-263.302 χ^2/NDF: 71.4/64



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1611.272+/-0.320 χ^2/NDF:833.0/15

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1611.814+/-0.335 χ^2/NDF:1901.3/13

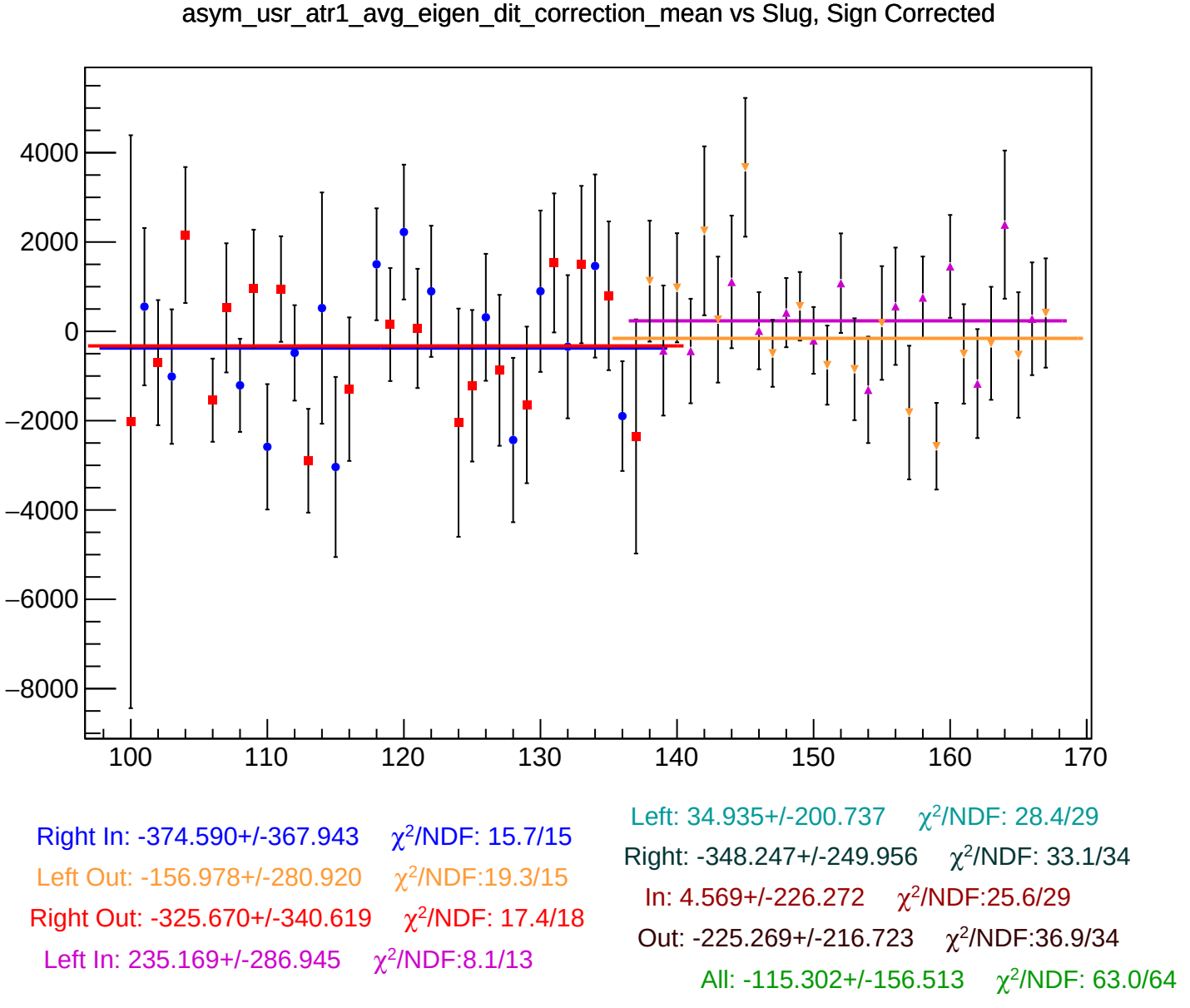
Left: 1611.531+/-0.232 χ^2/NDF: 2735.7/29

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

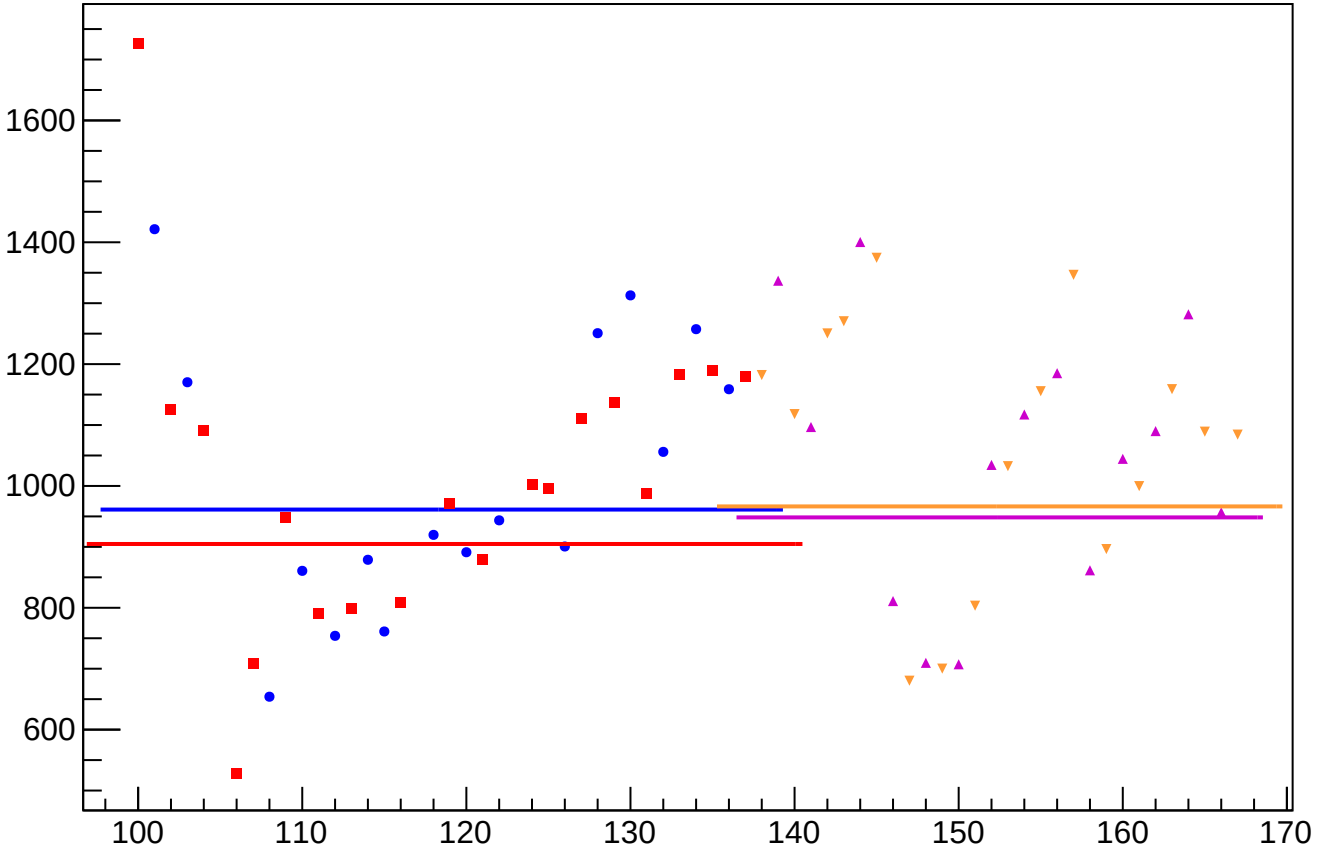
In: 1631.408+/-0.269 χ^2/NDF:674323.5/29

Out: 1627.982+/-0.258 χ^2/NDF:201822.5/34

All: 1629.629+/-0.186 χ^2/NDF: 876230.5/64


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -156.978+/-280.920 χ²/NDF:19.3/15
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 235.169+/-286.945 χ²/NDF:8.1/13
Left: 34.935+/-200.737 χ²/NDF: 28.4/29
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: 4.569+/-226.272 χ²/NDF:25.6/29
Out: -225.269+/-216.723 χ²/NDF:36.9/34
All: -115.302+/-156.513 χ²/NDF: 63.0/64

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 966.403+/-0.199 χ^2/NDF:1230879.8/15

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 948.378+/-0.203 χ^2/NDF:1065311.2/13

Left: 957.582+/-0.142 χ^2/NDF: 2300221.0/29

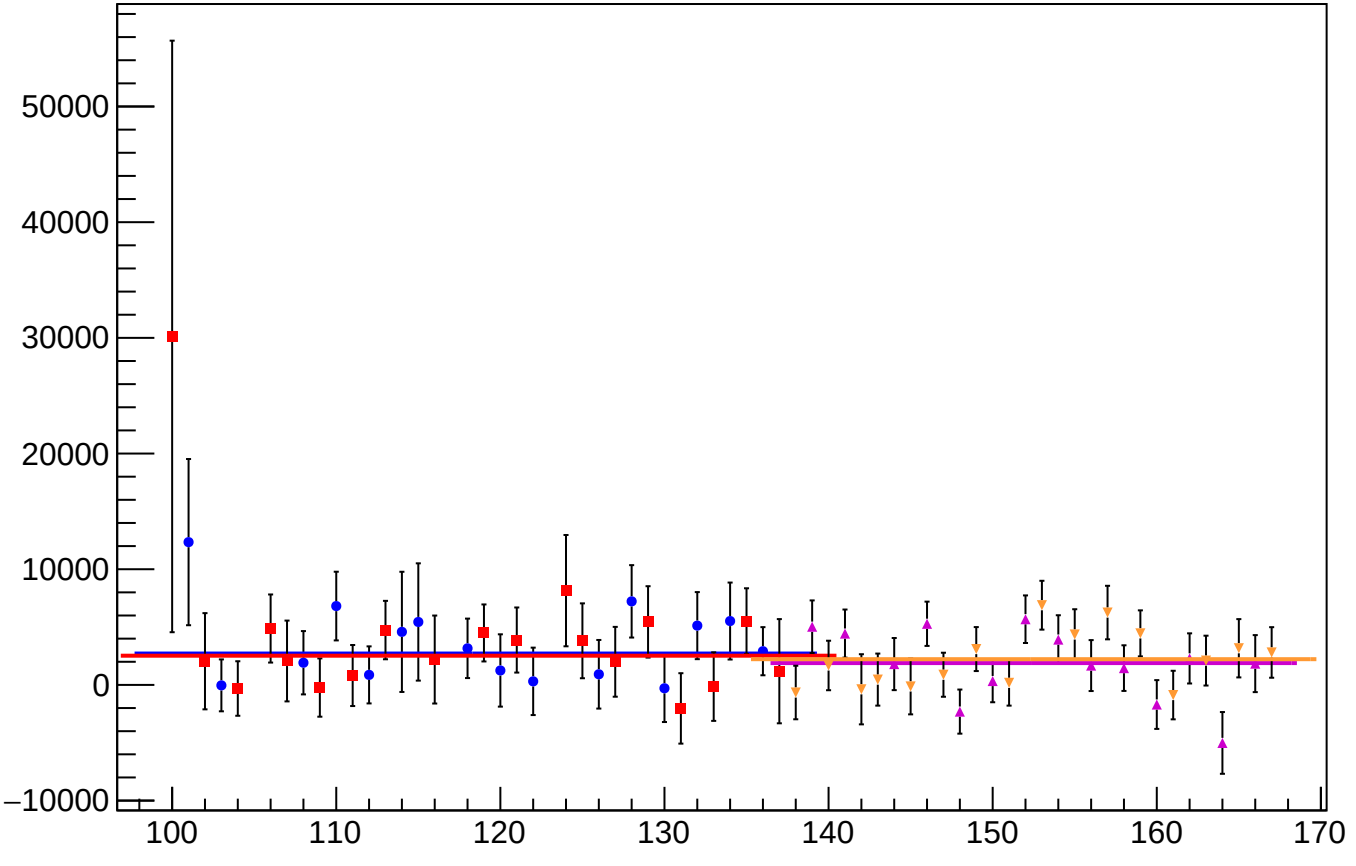
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 953.241+/-0.160 χ^2/NDF:1758714.0/29

Out: 941.438+/-0.153 χ^2/NDF:2006381.0/34

All: 947.085+/-0.111 χ^2/NDF: 3767933.6/64

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2224.266+/-544.166 χ^2/NDF:18.2/15

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 1887.276+/-564.672 χ^2/NDF:26.1/13

Left: 2062.001+/-391.832 χ^2/NDF: 44.6/29

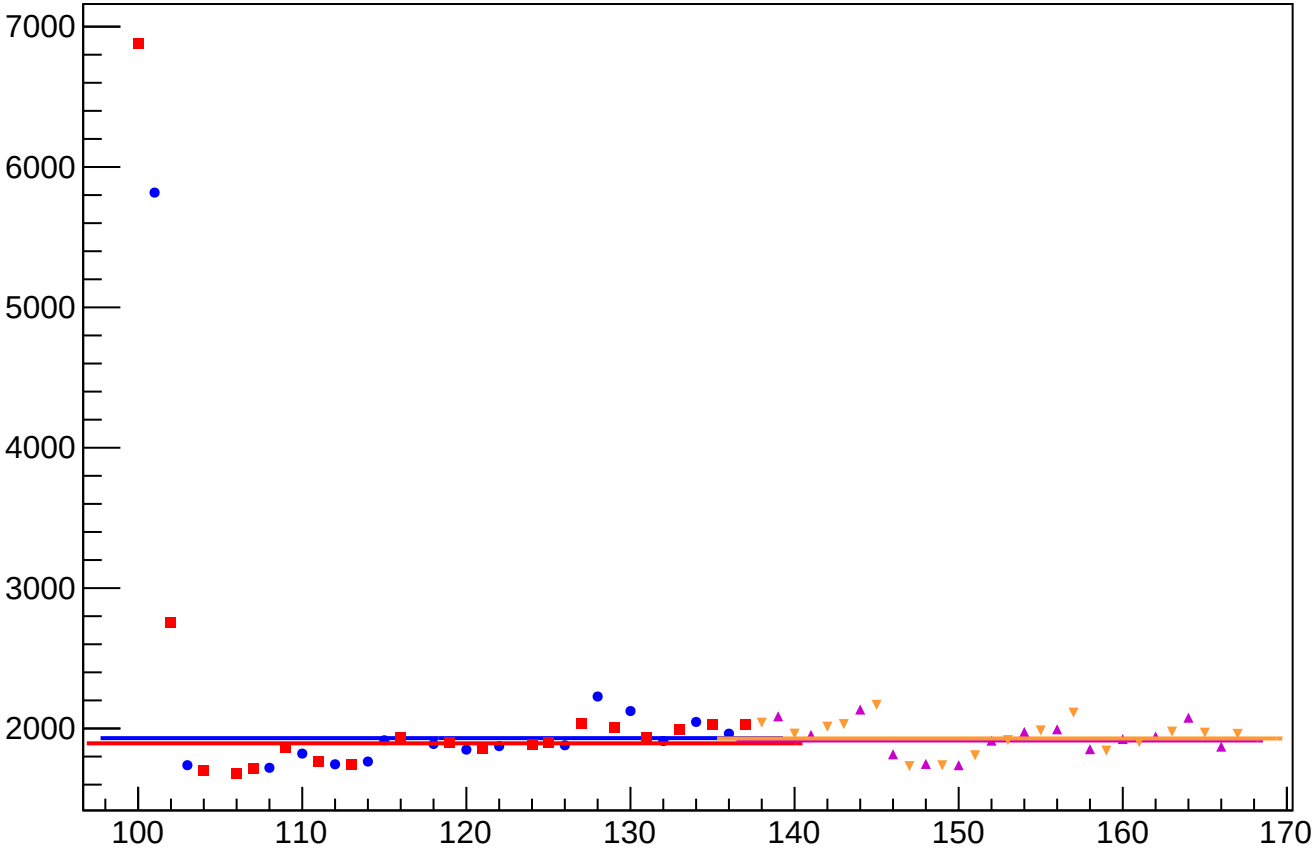
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2193.108+/-447.802 χ^2/NDF:39.0/29

Out: 2336.455+/-431.100 χ^2/NDF:31.6/34

All: 2267.505+/-310.570 χ^2/NDF: 70.7/64

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1928.958+/-0.385 χ^2/NDF:99828.8/15

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1914.323+/-0.399 χ^2/NDF:84948.8/13

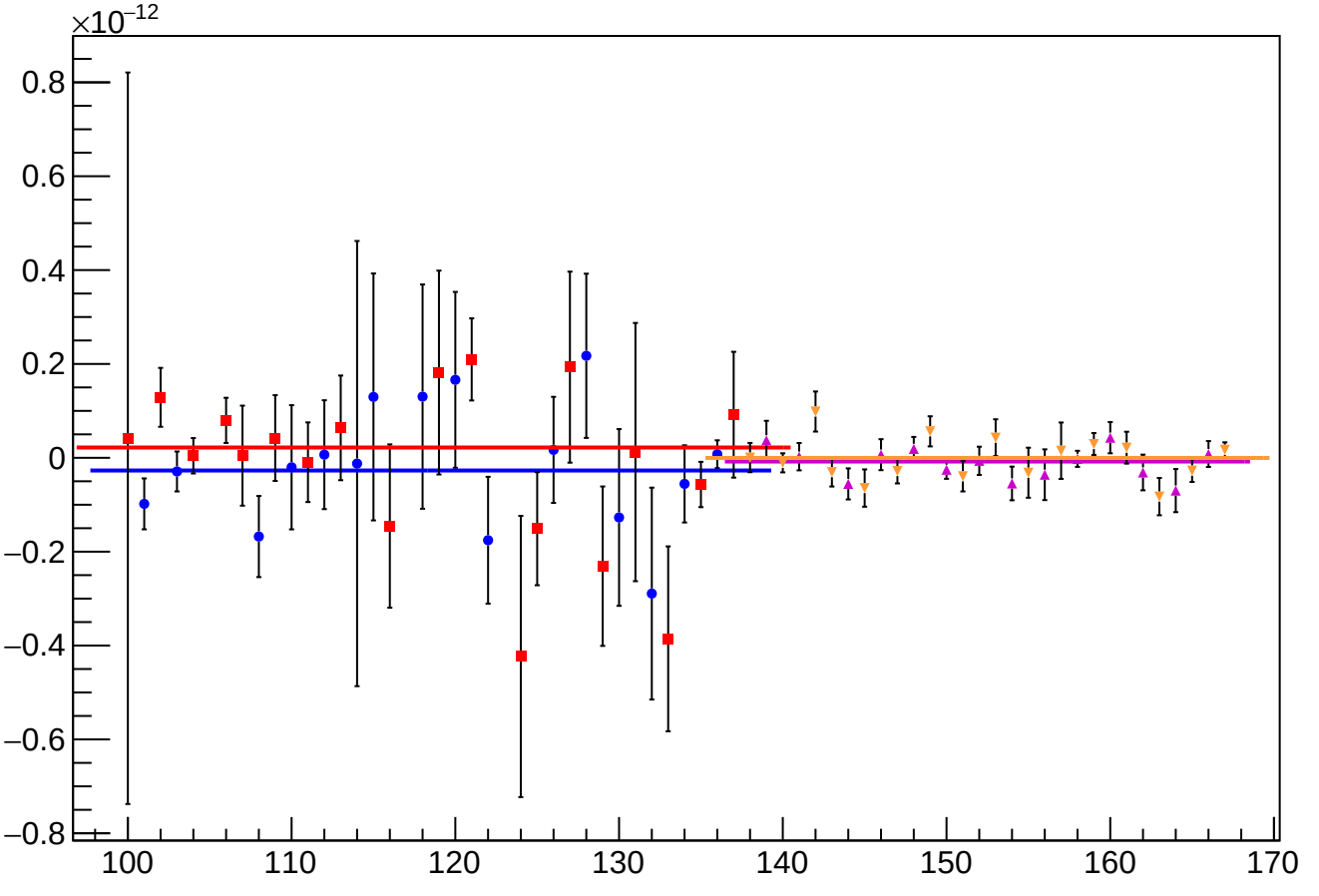
Left: 1921.911+/-0.277 χ^2/NDF: 185474.1/29

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1920.605+/-0.317 χ^2/NDF:746842.9/29

Out: 1916.070+/-0.305 χ^2/NDF:323382.5/34

All: 1918.251+/-0.220 χ^2/NDF: 1070331.8/64



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/13

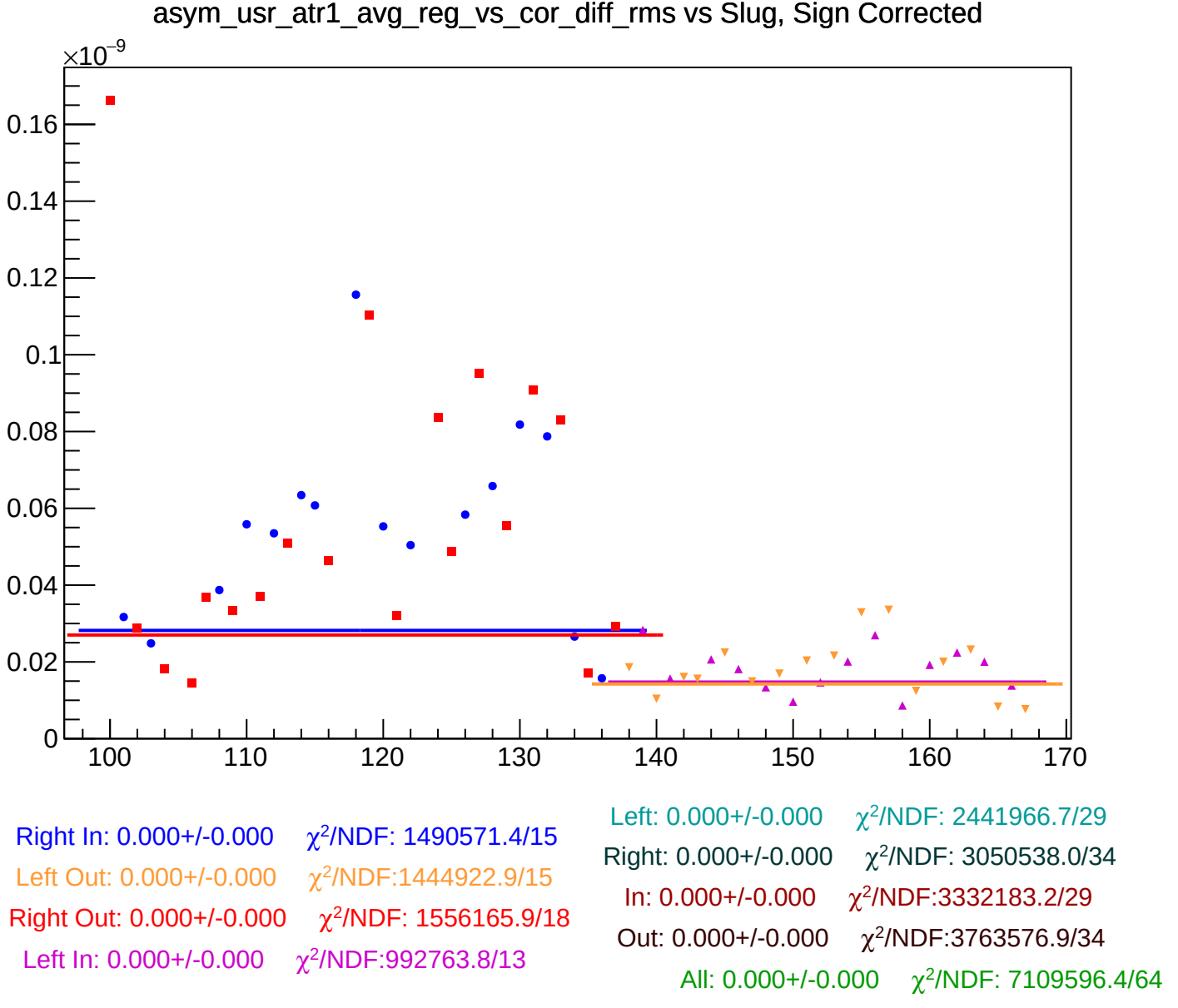
Left: -0.000+/-0.000 χ^2/NDF: 38.3/29

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

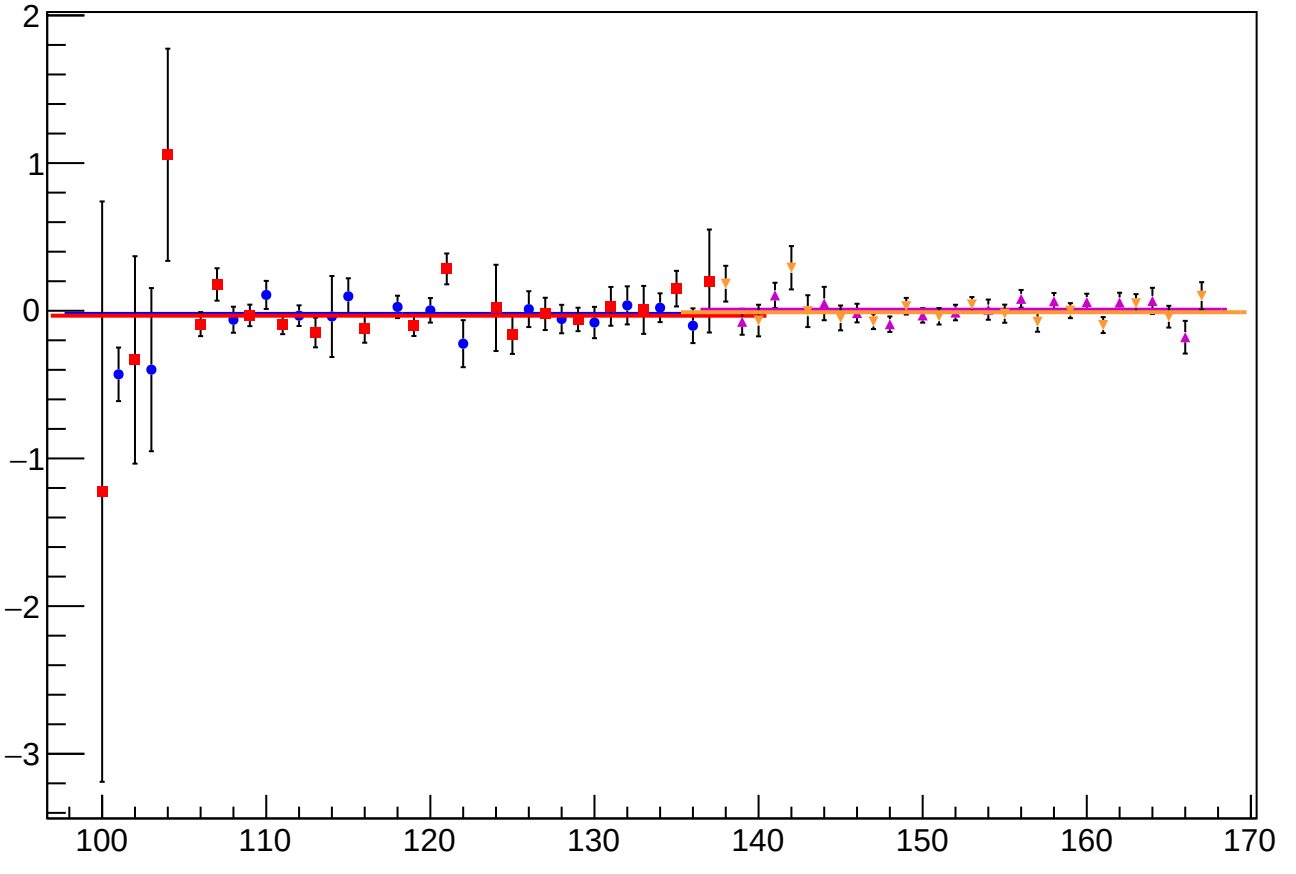
In: -0.000+/-0.000 χ^2/NDF:26.1/29

Out: 0.000+/-0.000 χ^2/NDF:51.9/34

All: -0.000+/-0.000 χ^2/NDF: 79.7/64


asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1490571.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1444922.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 1556165.9/18
Left In: 0.000+/-0.000 χ²/NDF:992763.8/13
Left: 0.000+/-0.000 χ²/NDF: 2441966.7/29
Right: 0.000+/-0.000 χ²/NDF: 3050538.0/34
In: 0.000+/-0.000 χ²/NDF:3332183.2/29
Out: 0.000+/-0.000 χ²/NDF:3763576.9/34
All: 0.000+/-0.000 χ²/NDF: 7109596.4/64

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.010+/-0.017 χ^2/NDF:16.6/15

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.007+/-0.017 χ^2/NDF:13.9/13

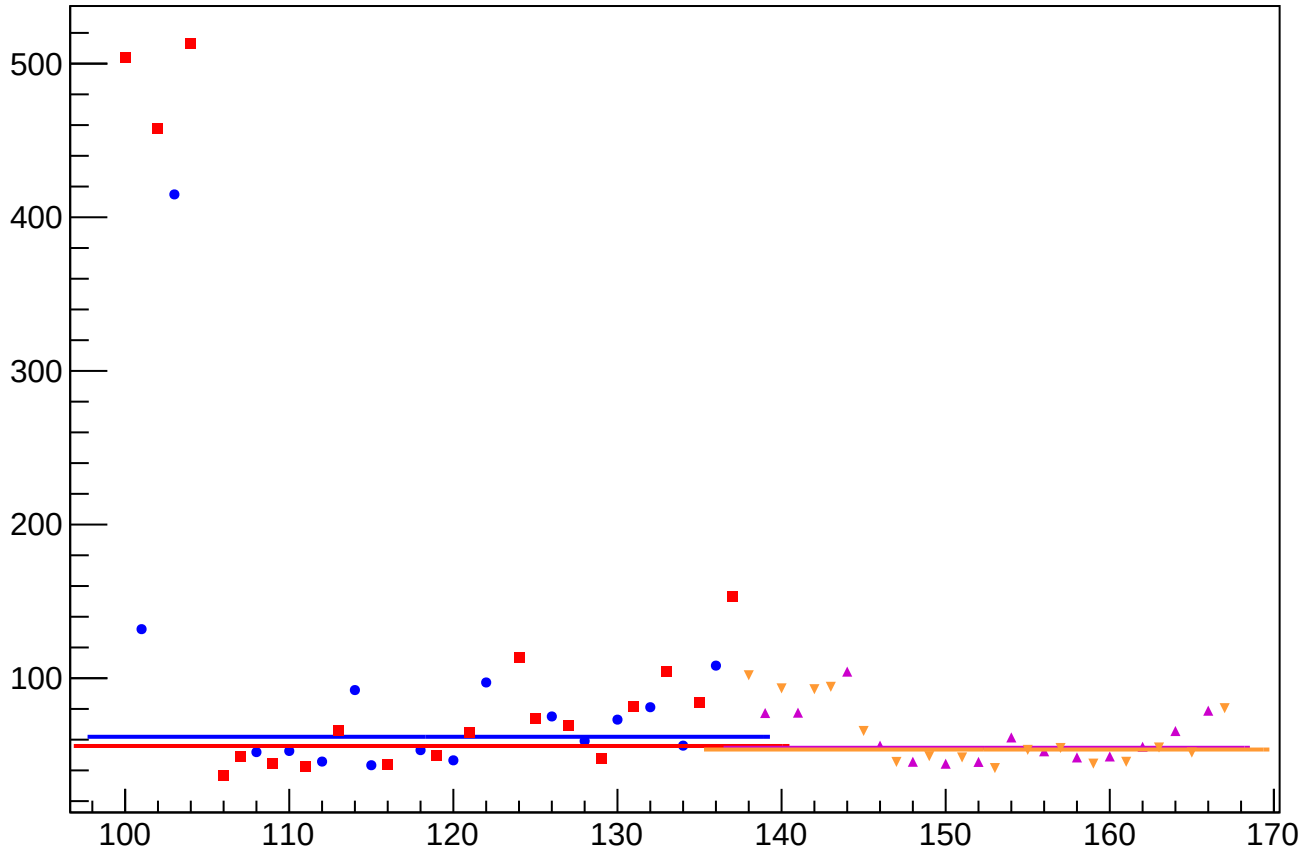
Left: -0.002+/-0.012 χ^2/NDF: 31.0/29

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.001+/-0.015 χ^2/NDF:26.7/29

Out: -0.017+/-0.014 χ^2/NDF:41.6/34

All: -0.010+/-0.010 χ^2/NDF: 68.9/64



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.579+/-0.012 χ^2/NDF:1537125.9/15

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.718+/-0.012 χ^2/NDF:1064168.0/13

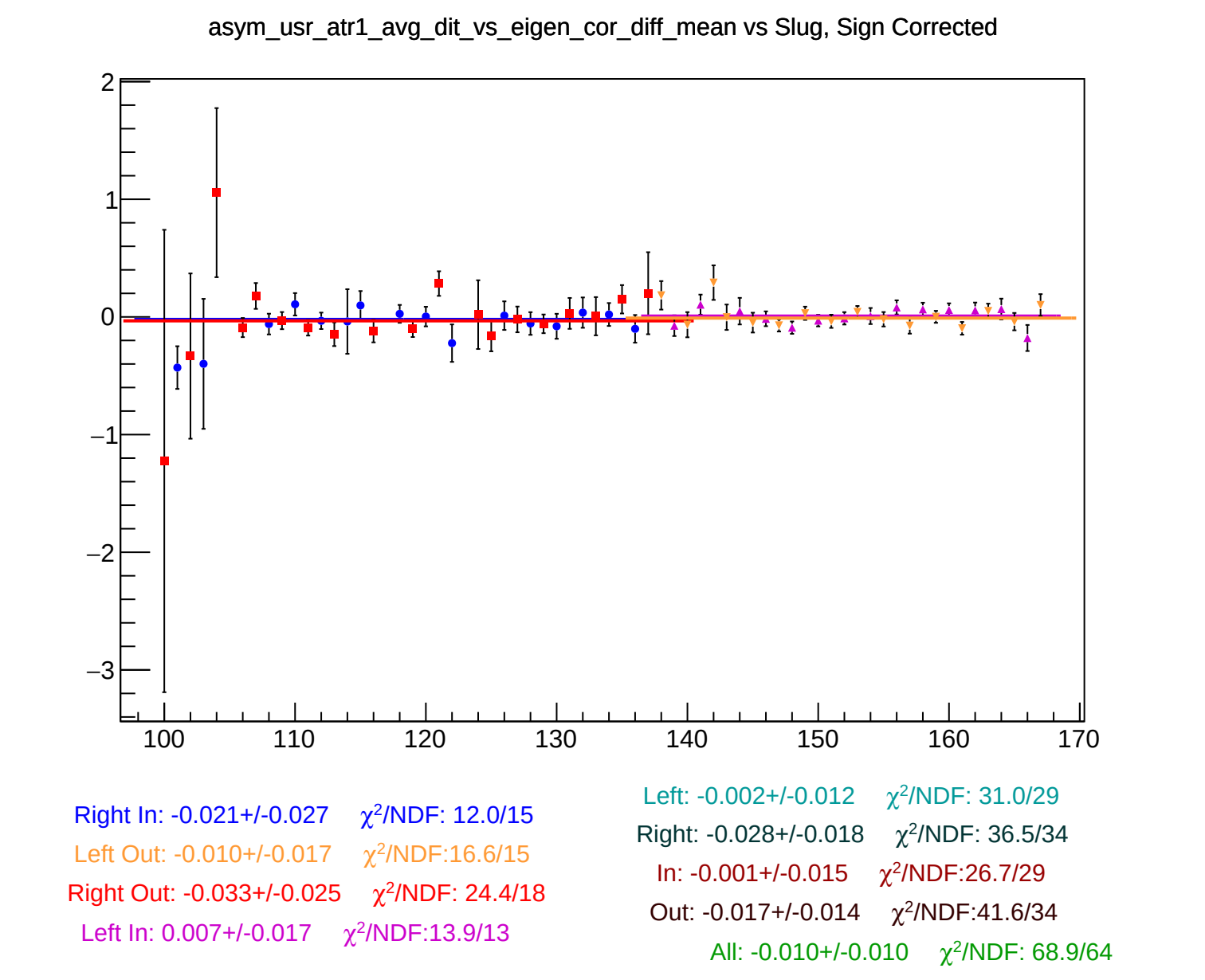
Left: 54.123+/-0.009 χ^2/NDF: 2605751.3/29

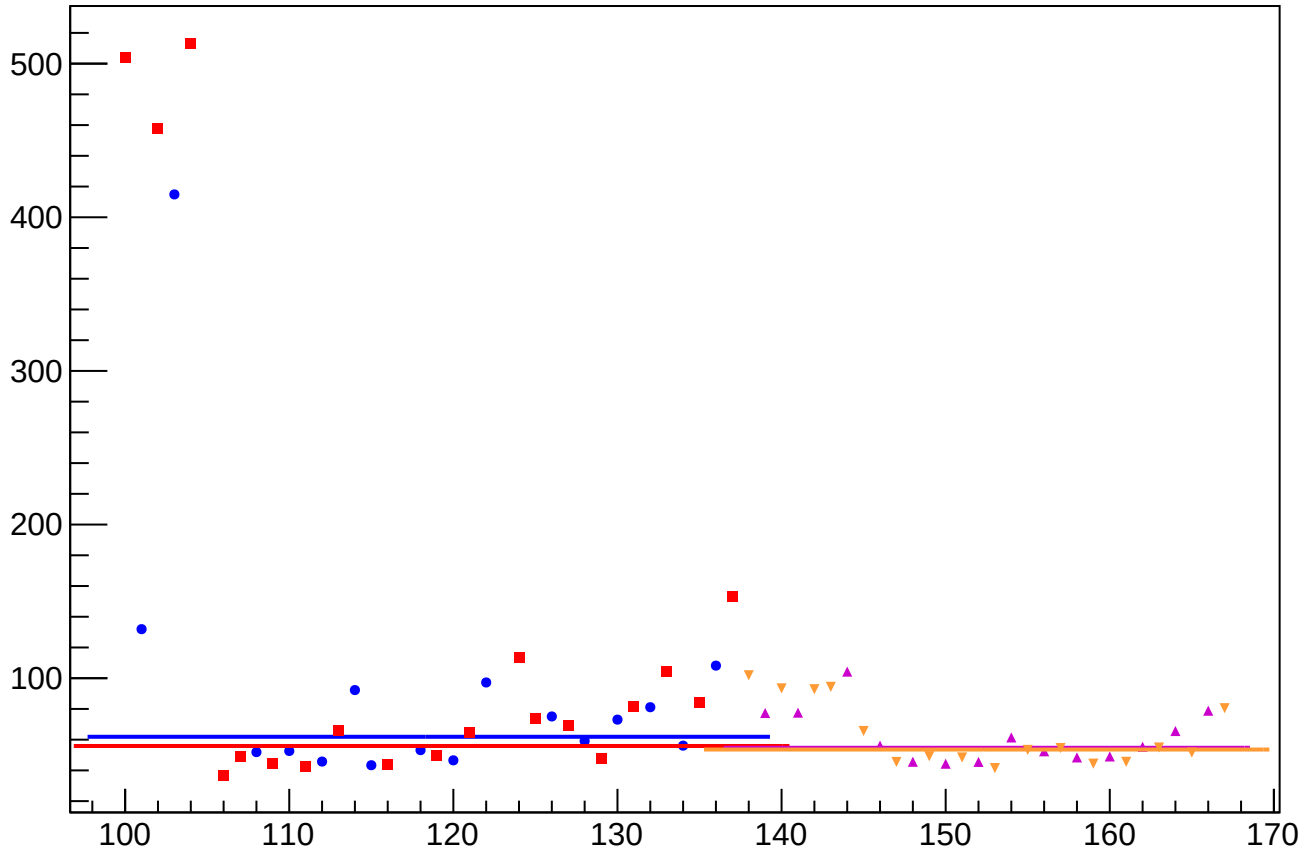
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.874+/-0.010 χ^2/NDF:3103664.1/29

Out: 54.306+/-0.010 χ^2/NDF:4140476.2/34

All: 55.520+/-0.007 χ^2/NDF: 7276860.3/64


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.010+/-0.017 χ²/NDF:16.6/15
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: 0.007+/-0.017 χ²/NDF:13.9/13
Left: -0.002+/-0.012 χ²/NDF: 31.0/29
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.001+/-0.015 χ²/NDF:26.7/29
Out: -0.017+/-0.014 χ²/NDF:41.6/34
All: -0.010+/-0.010 χ²/NDF: 68.9/64



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.579+/-0.012 χ^2/NDF:1537125.9/15

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.718+/-0.012 χ^2/NDF:1064168.0/13

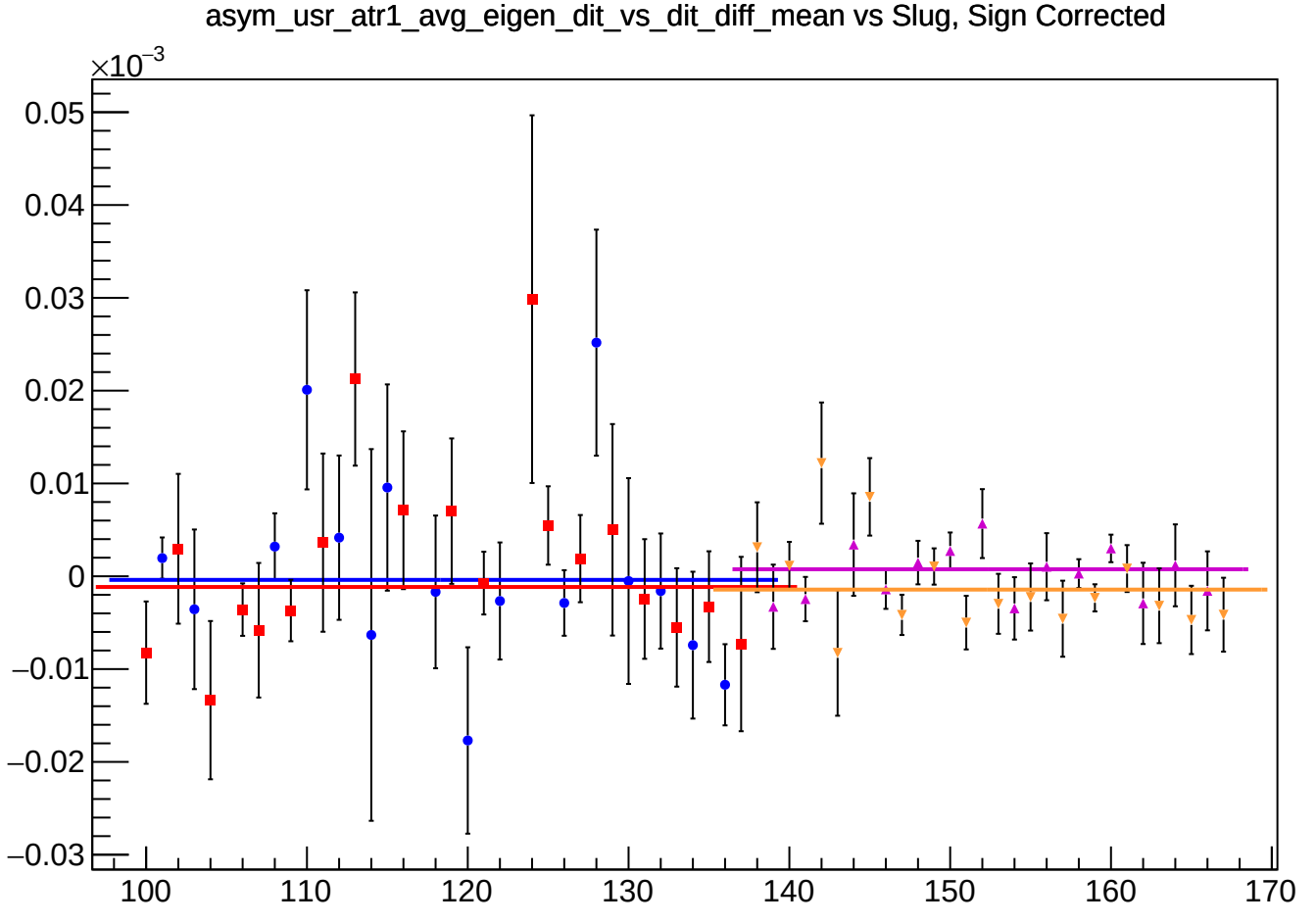
Left: 54.123+/-0.009 χ^2/NDF: 2605751.3/29

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.874+/-0.010 χ^2/NDF:3103664.1/29

Out: 54.306+/-0.010 χ^2/NDF:4140476.2/34

All: 55.520+/-0.007 χ^2/NDF: 7276860.3/64



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.7/13

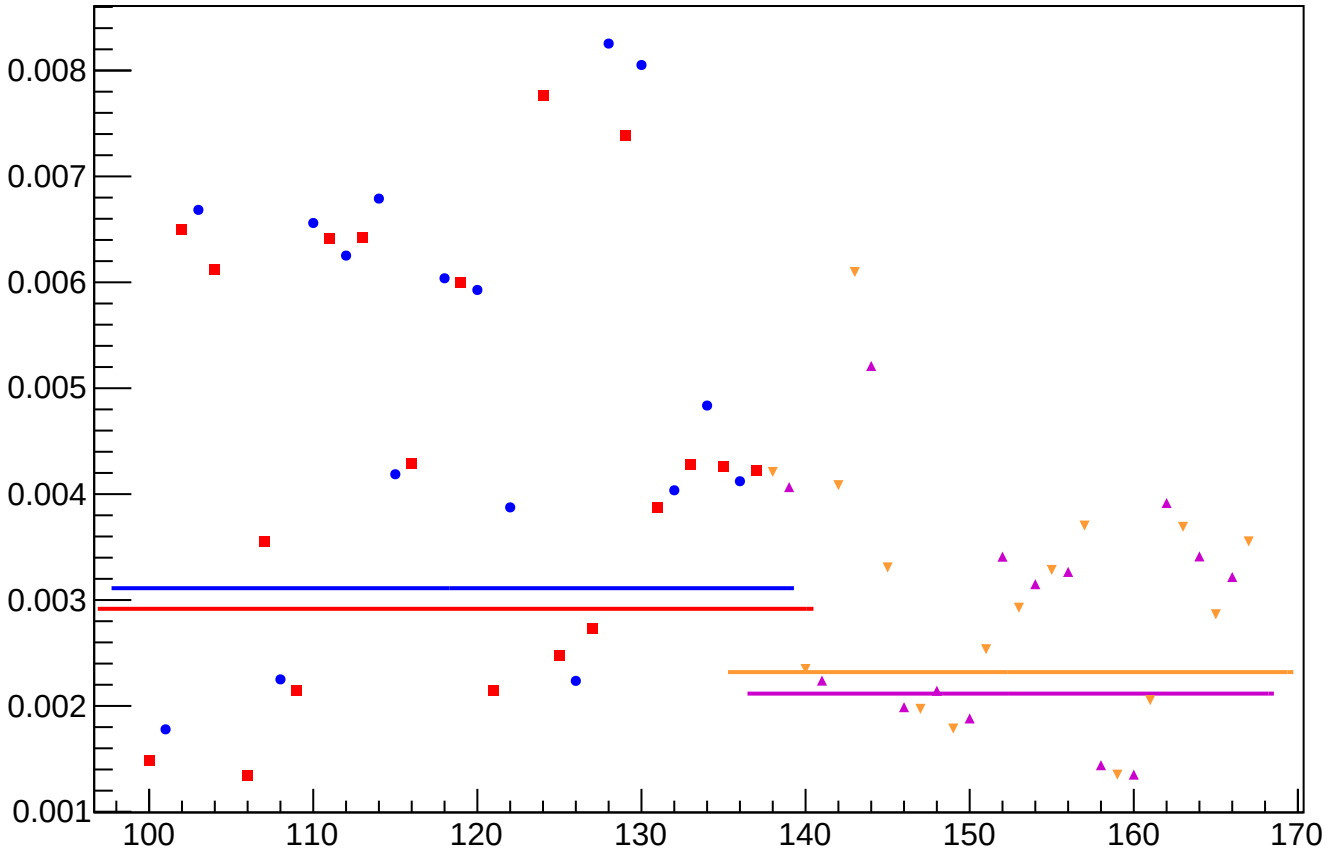
Left: -0.000+/-0.000 χ^2/NDF: 37.8/29

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.9/29

Out: -0.000+/-0.000 χ^2/NDF:41.7/34

All: -0.000+/-0.000 χ^2/NDF: 81.3/64



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3205036.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3227668.9/13

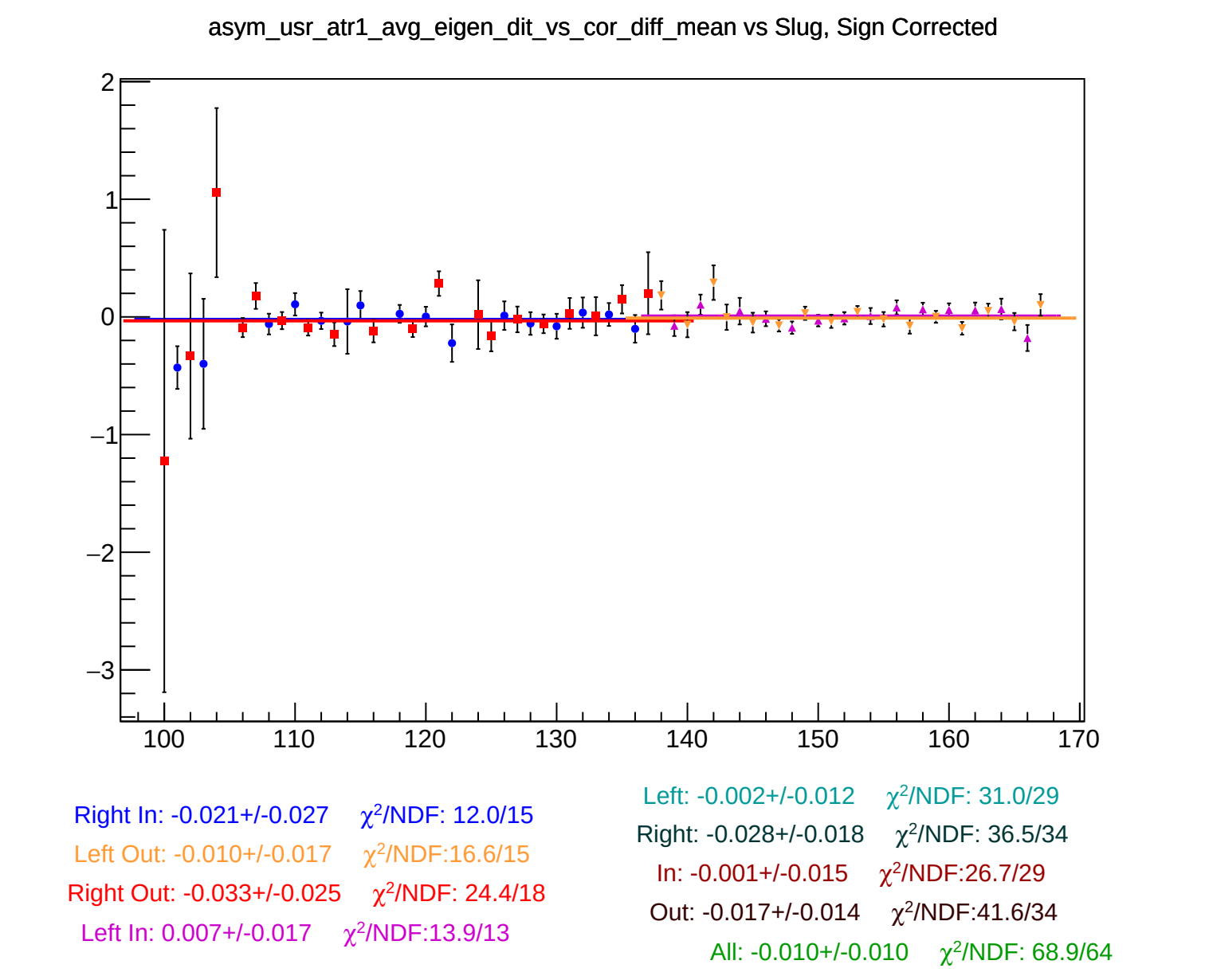
Left: 0.002+/-0.000 χ^2/NDF: 6517658.2/29

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

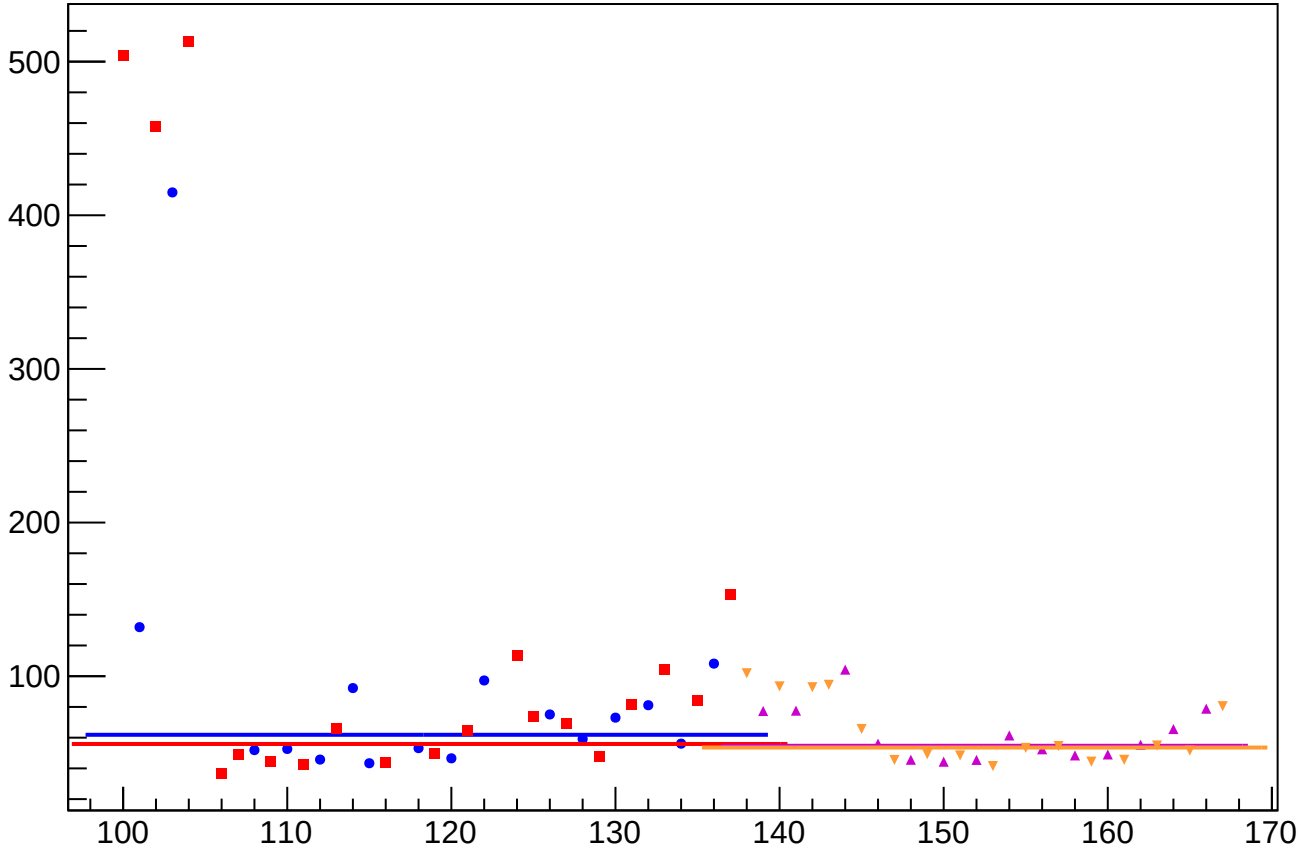
In: 0.002+/-0.000 χ^2/NDF:7399816.1/29

Out: 0.002+/-0.000 χ^2/NDF:6843335.6/34

All: 0.002+/-0.000 χ^2/NDF: 14300177.9/64


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.010+/-0.017 χ²/NDF:16.6/15
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: 0.007+/-0.017 χ²/NDF:13.9/13
Left: -0.002+/-0.012 χ²/NDF: 31.0/29
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.001+/-0.015 χ²/NDF:26.7/29
Out: -0.017+/-0.014 χ²/NDF:41.6/34
All: -0.010+/-0.010 χ²/NDF: 68.9/64

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.579+/-0.012 χ^2/NDF:1537169.8/15

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.718+/-0.012 χ^2/NDF:1064155.3/13

Left: 54.123+/-0.009 χ^2/NDF: 2605784.2/29

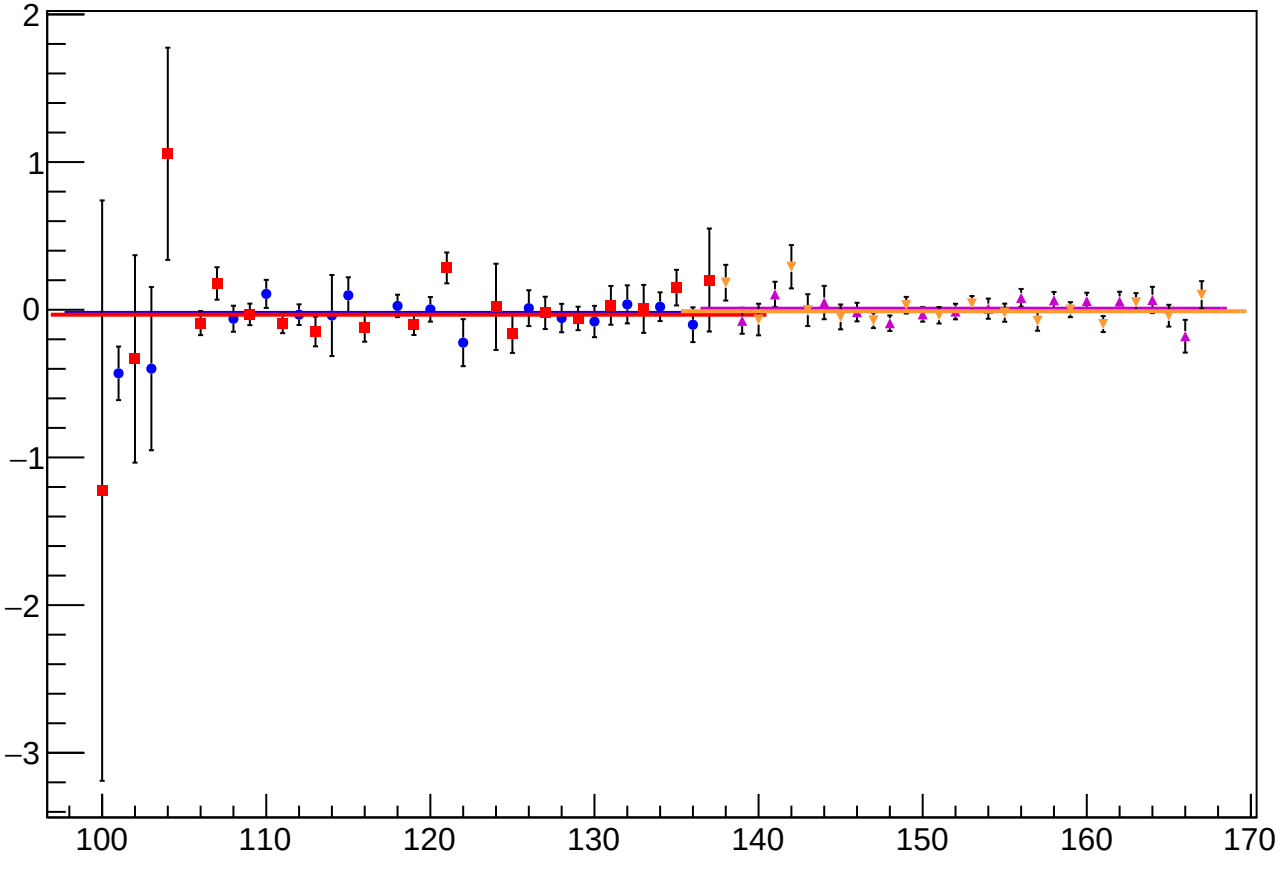
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.874+/-0.010 χ^2/NDF:3103580.8/29

Out: 54.306+/-0.010 χ^2/NDF:4140470.9/34

All: 55.520+/-0.007 χ^2/NDF: 7276778.0/64

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.010+/-0.017 χ^2/NDF:16.6/15

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.007+/-0.017 χ^2/NDF:13.9/13

Left: -0.002+/-0.012 χ^2/NDF: 31.0/29

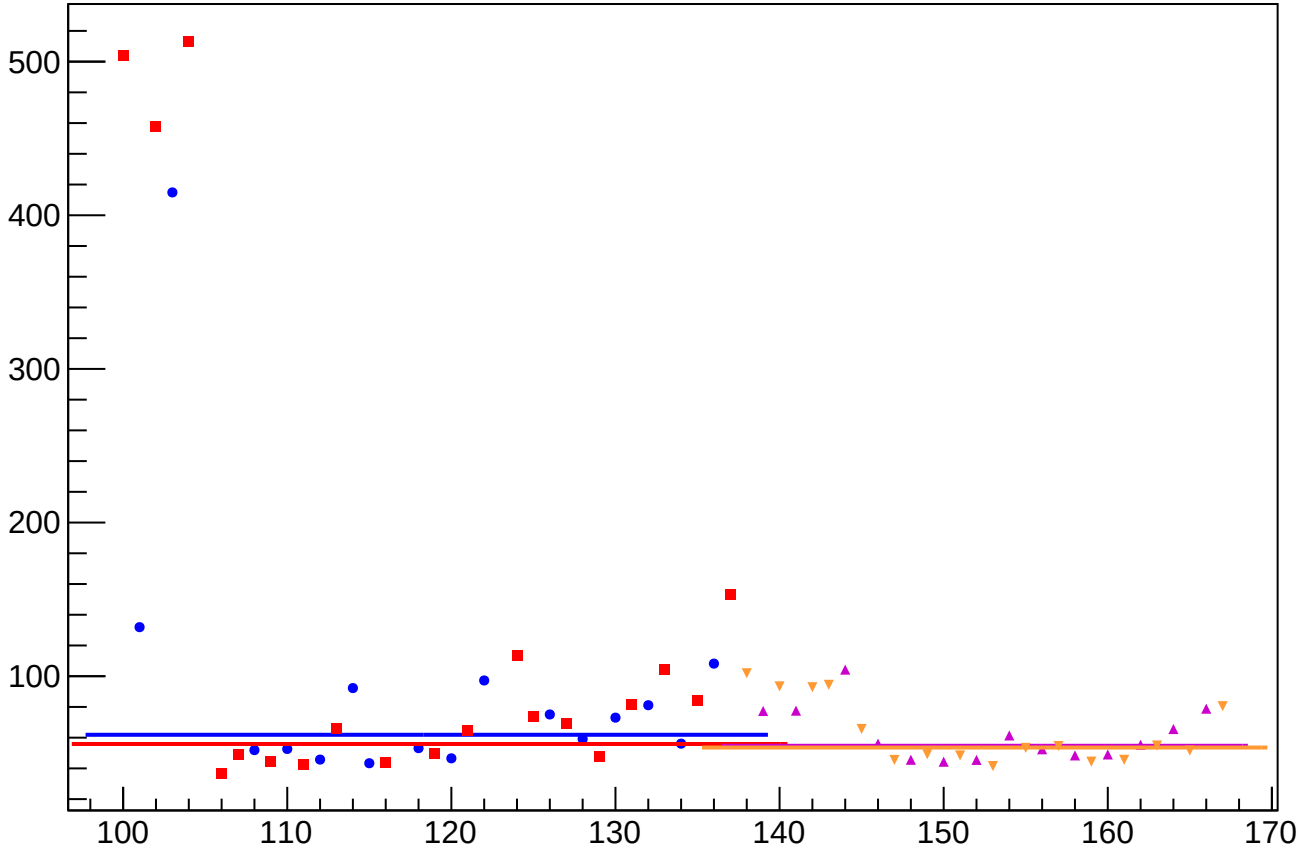
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.001+/-0.015 χ^2/NDF:26.7/29

Out: -0.017+/-0.014 χ^2/NDF:41.6/34

All: -0.010+/-0.010 χ^2/NDF: 68.9/64

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.579+/-0.012 χ^2/NDF:1537169.8/15

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.718+/-0.012 χ^2/NDF:1064155.3/13

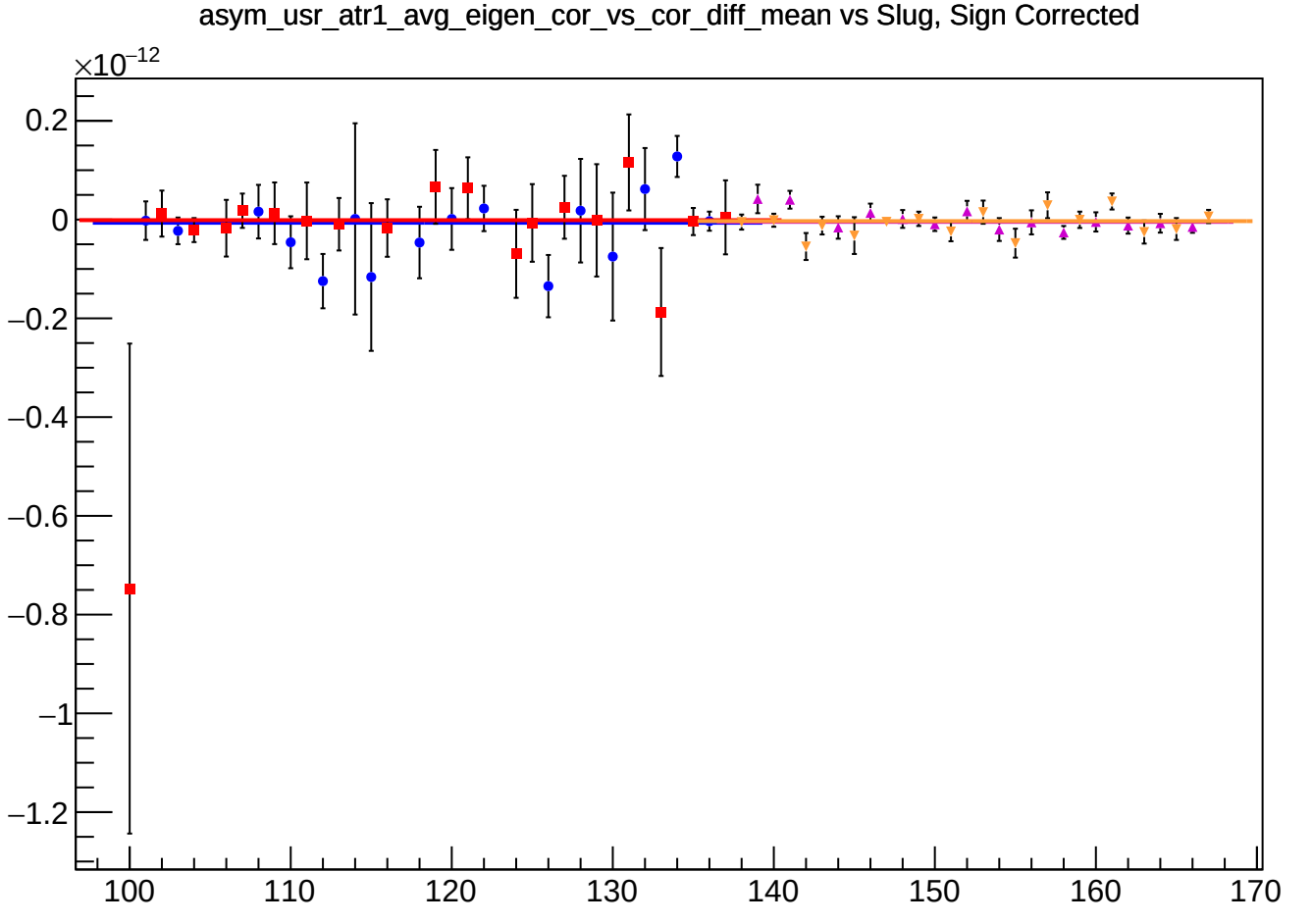
Left: 54.123+/-0.009 χ^2/NDF: 2605784.2/29

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.874+/-0.010 χ^2/NDF:3103580.8/29

Out: 54.306+/-0.010 χ^2/NDF:4140470.9/34

All: 55.520+/-0.007 χ^2/NDF: 7276778.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.3/13

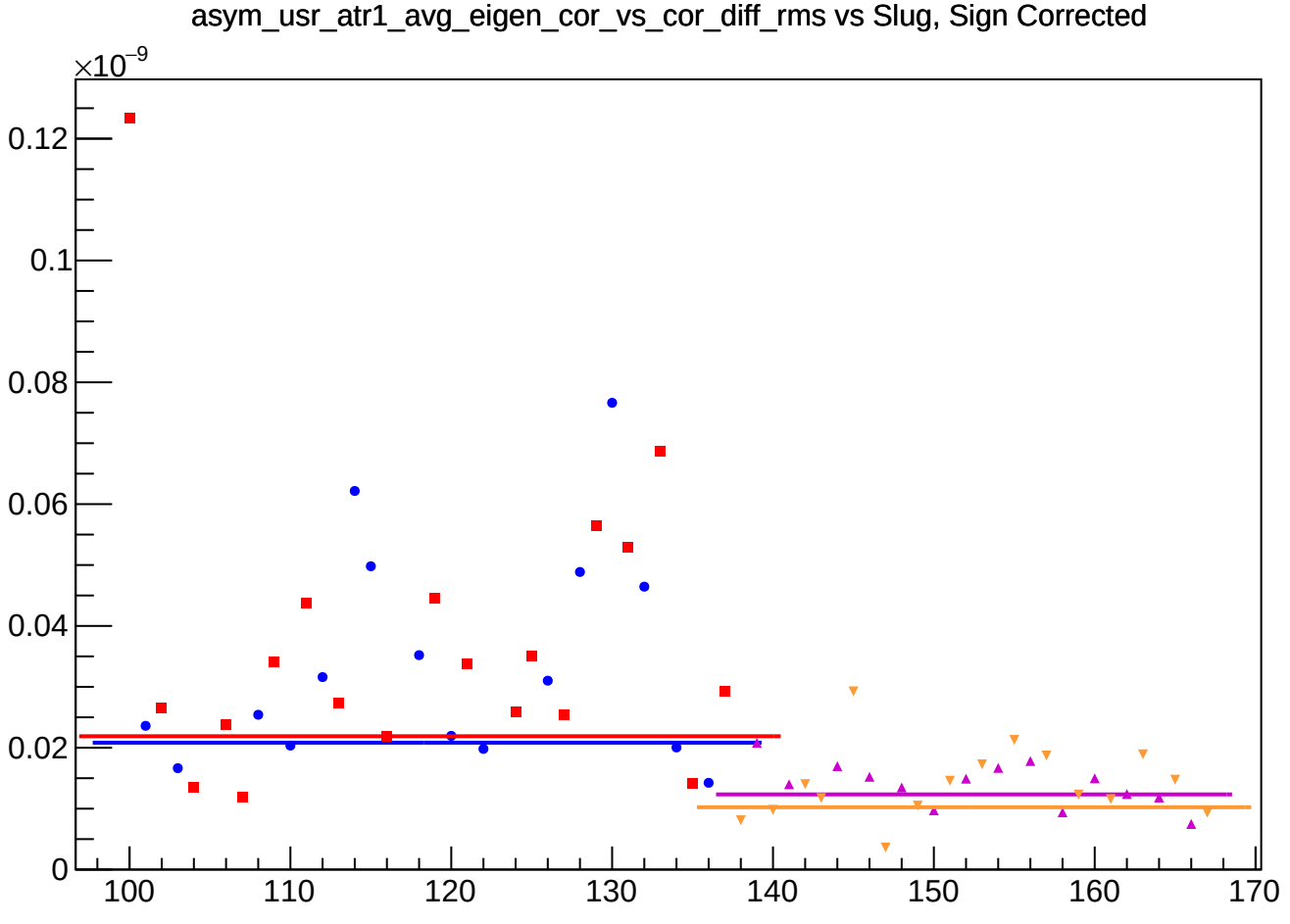
Left: -0.000+/-0.000 χ^2/NDF: 33.4/29

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:37.9/29

Out: -0.000+/-0.000 χ^2/NDF:27.8/34

All: -0.000+/-0.000 χ^2/NDF: 65.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3057283.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1072034.4/13

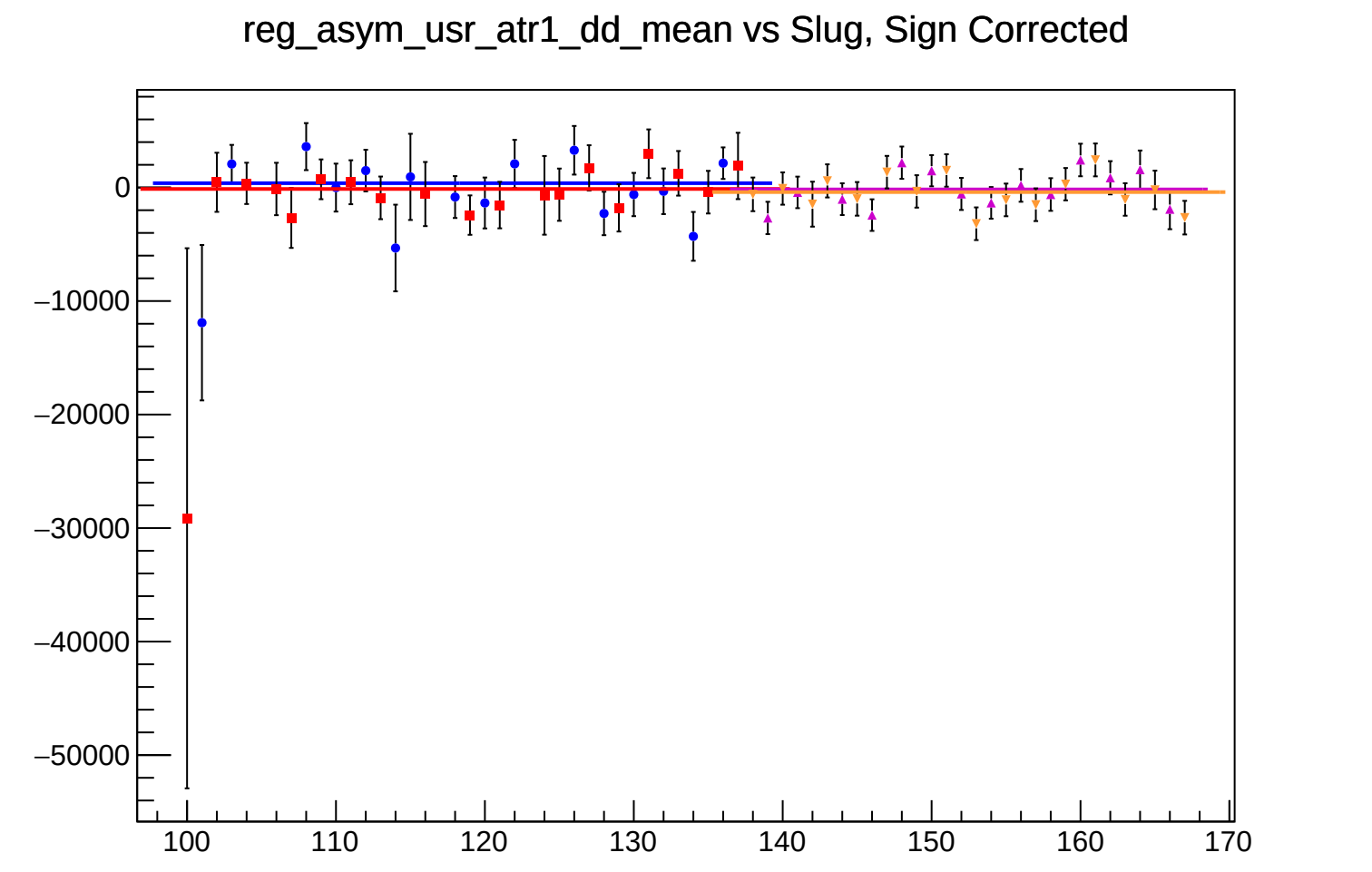
Left: 0.000+/-0.000 χ^2/NDF: 4355942.1/29

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3421955.5/29

Out: 0.000+/-0.000 χ^2/NDF:6676510.8/34

All: 0.000+/-0.000 χ^2/NDF: 10357502.2/64



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -402.658+/-369.953 χ^2/NDF:15.4/15

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -169.389+/-387.327 χ^2/NDF:17.1/13

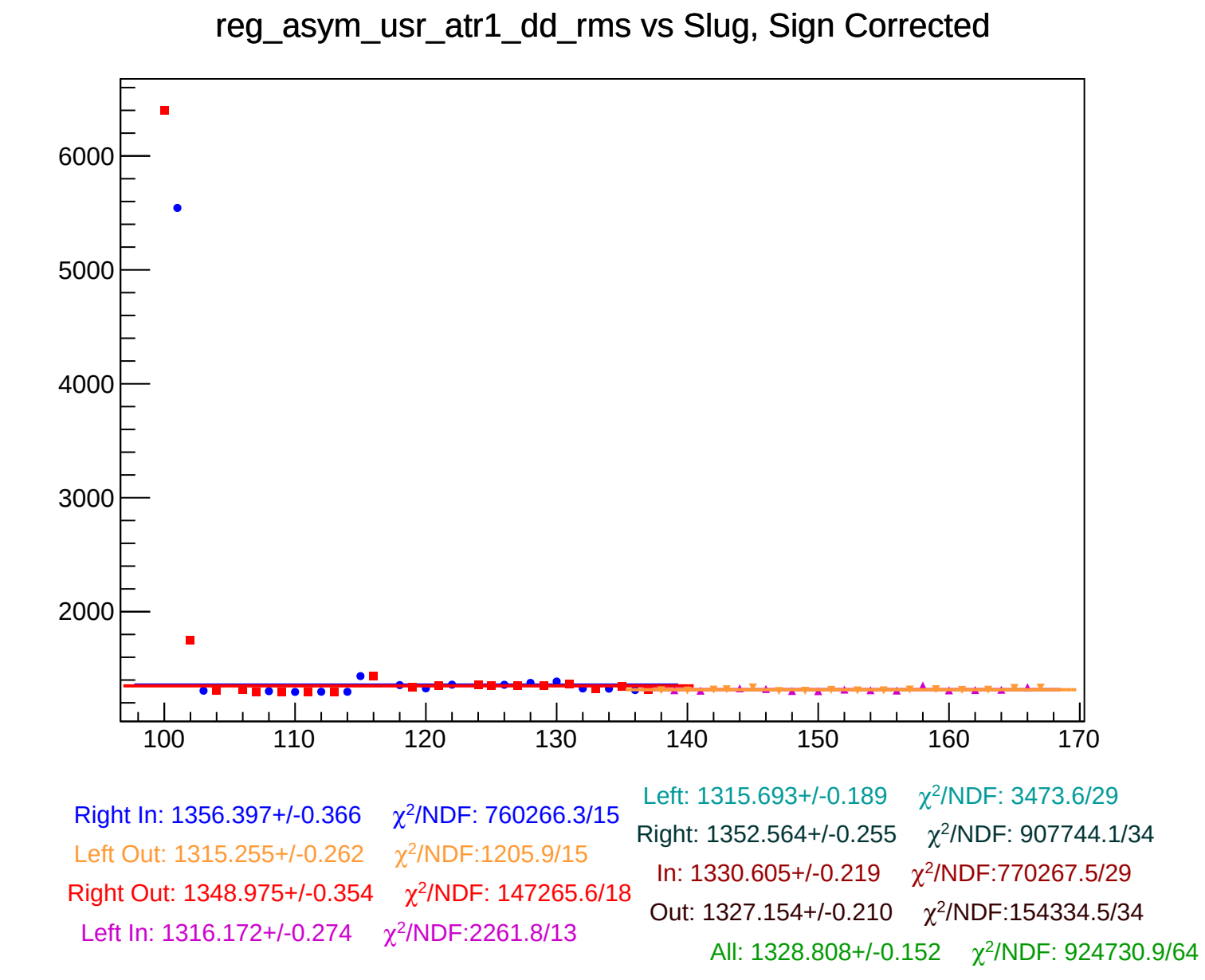
Left: -291.372+/-267.528 χ^2/NDF: 32.7/29

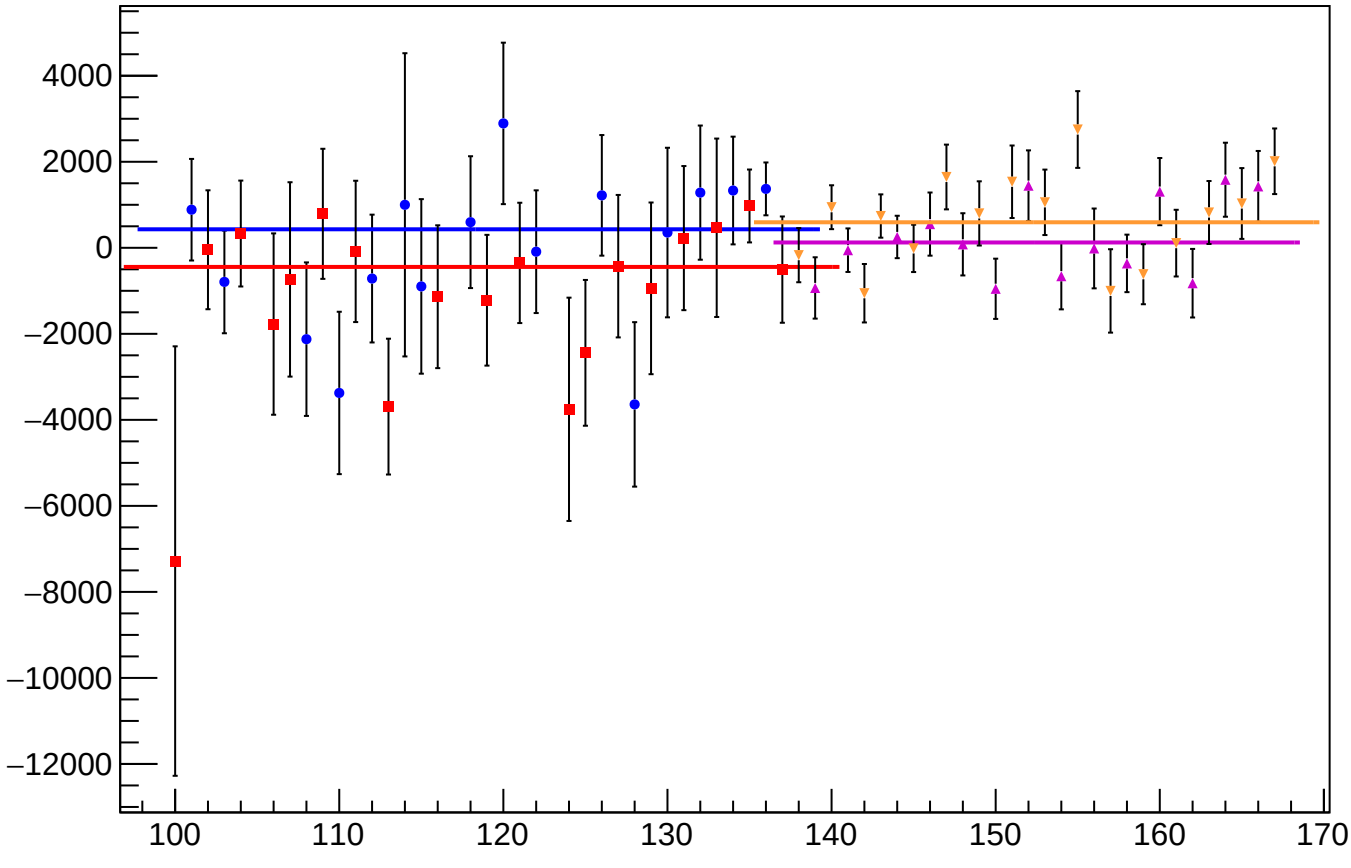
Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 28.232+/-310.153 χ^2/NDF:39.4/29

Out: -305.712+/-297.605 χ^2/NDF:25.6/34

All: -145.632+/-214.737 χ^2/NDF: 65.6/64


reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1356.397+/-0.366 χ²/NDF: 760266.3/15
Left Out: 1315.255+/-0.262 χ²/NDF:1205.9/15
Right Out: 1348.975+/-0.354 χ²/NDF: 147265.6/18
Left In: 1316.172+/-0.274 χ²/NDF:2261.8/13
Left: 1315.693+/-0.189 χ²/NDF: 3473.6/29
Right: 1352.564+/-0.255 χ²/NDF: 907744.1/34
In: 1330.605+/-0.219 χ²/NDF:770267.5/29
Out: 1327.154+/-0.210 χ²/NDF:154334.5/34
All: 1328.808+/-0.152 χ²/NDF: 924730.9/64



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 593.498+/-172.591 χ^2/NDF:28.6/15

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 123.856+/-187.678 χ^2/NDF:18.4/13

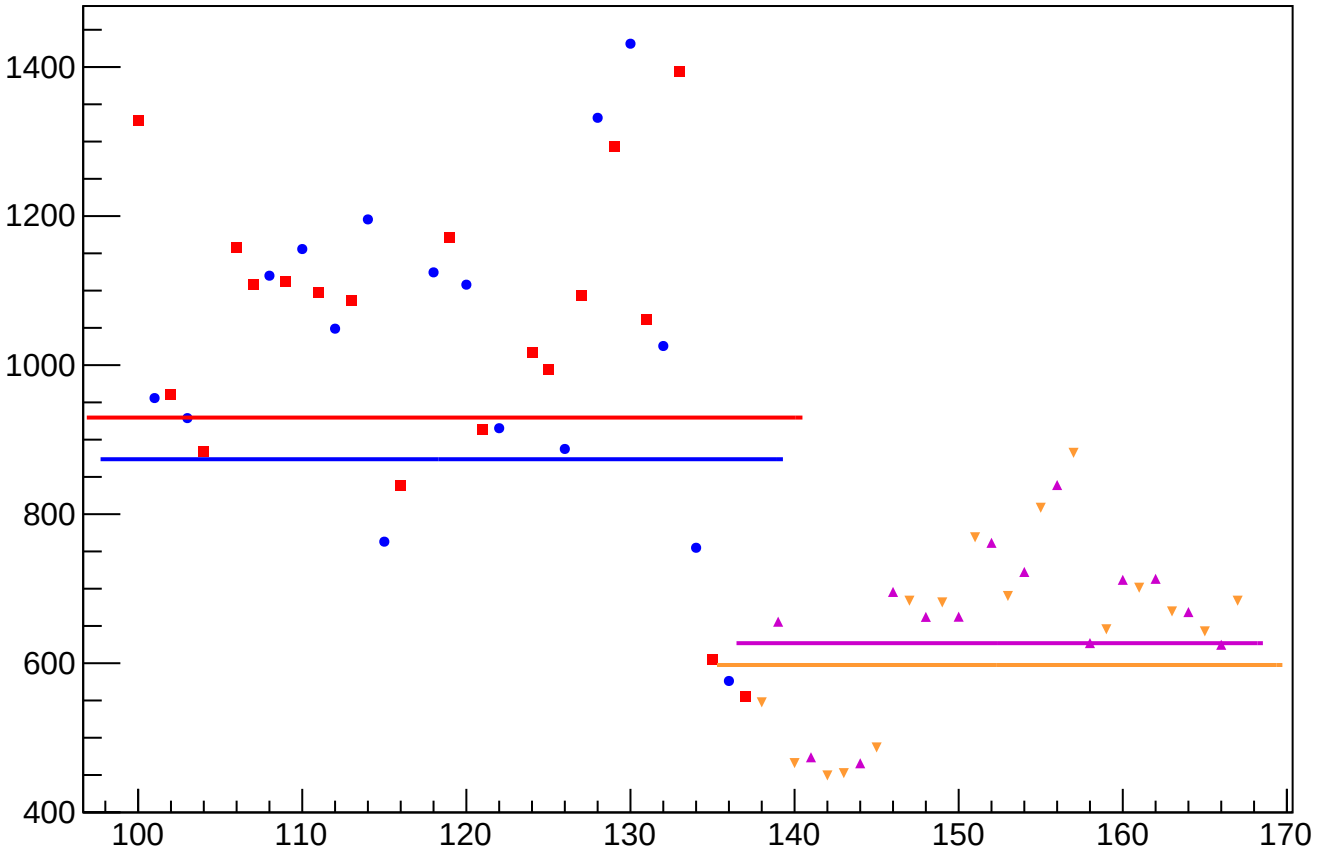
Left: 378.310+/-127.039 χ^2/NDF: 50.3/29

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 195.937+/-164.133 χ^2/NDF:37.2/29

Out: 395.584+/-155.268 χ^2/NDF:49.9/34

All: 301.297+/-112.795 χ^2/NDF: 87.8/64



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 597.623+/-0.122 χ^2/NDF:1032419.6/15

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 626.897+/-0.133 χ^2/NDF:668376.8/13

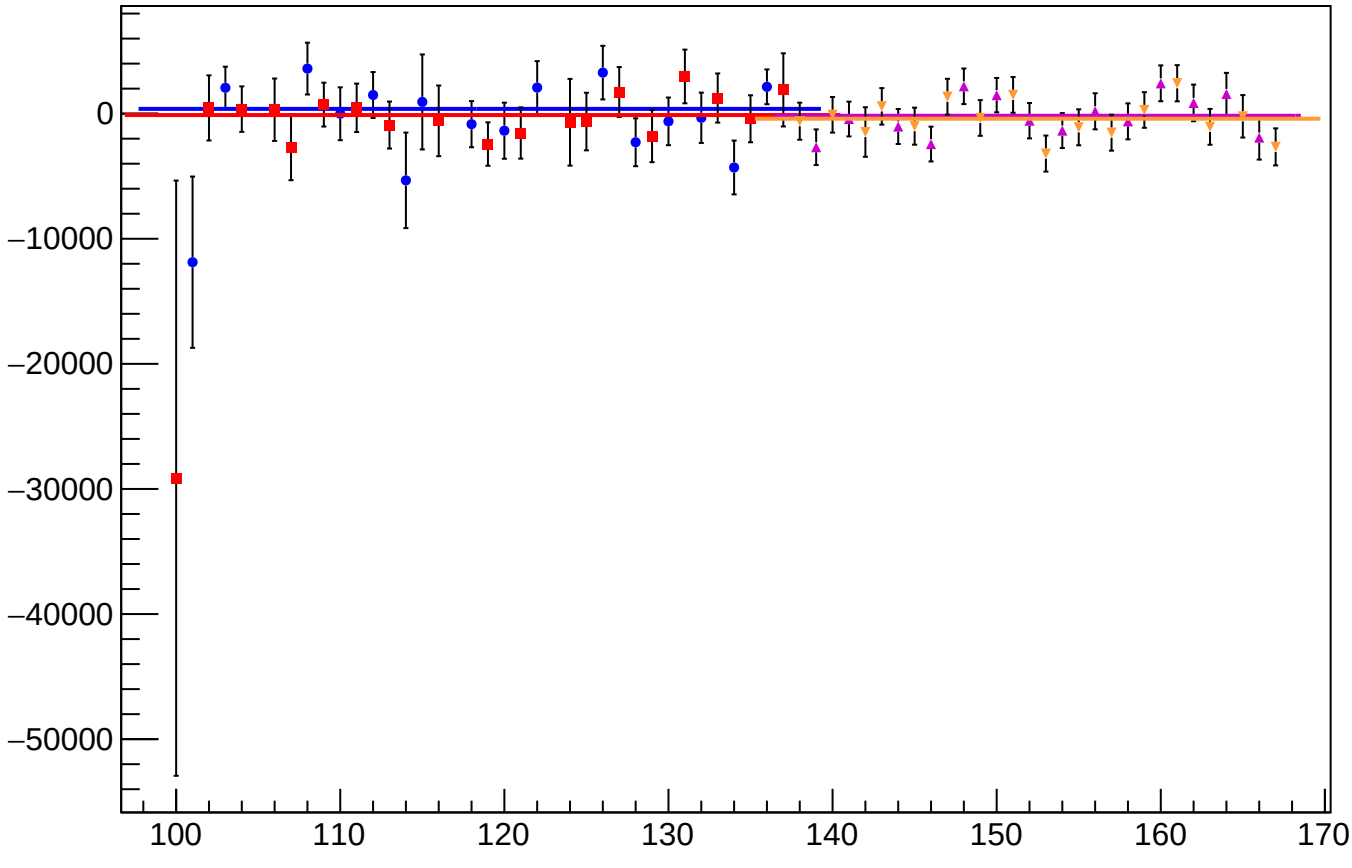
Left: 611.036+/-0.090 χ^2/NDF: 1727159.8/29

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 684.945+/-0.116 χ^2/NDF:2496816.7/29

Out: 660.924+/-0.110 χ^2/NDF:3303476.6/34

All: 672.268+/-0.080 χ^2/NDF: 5822898.9/64



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -402.712+/-369.953 χ^2/NDF:15.4/15

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -169.416+/-387.327 χ^2/NDF:17.1/13

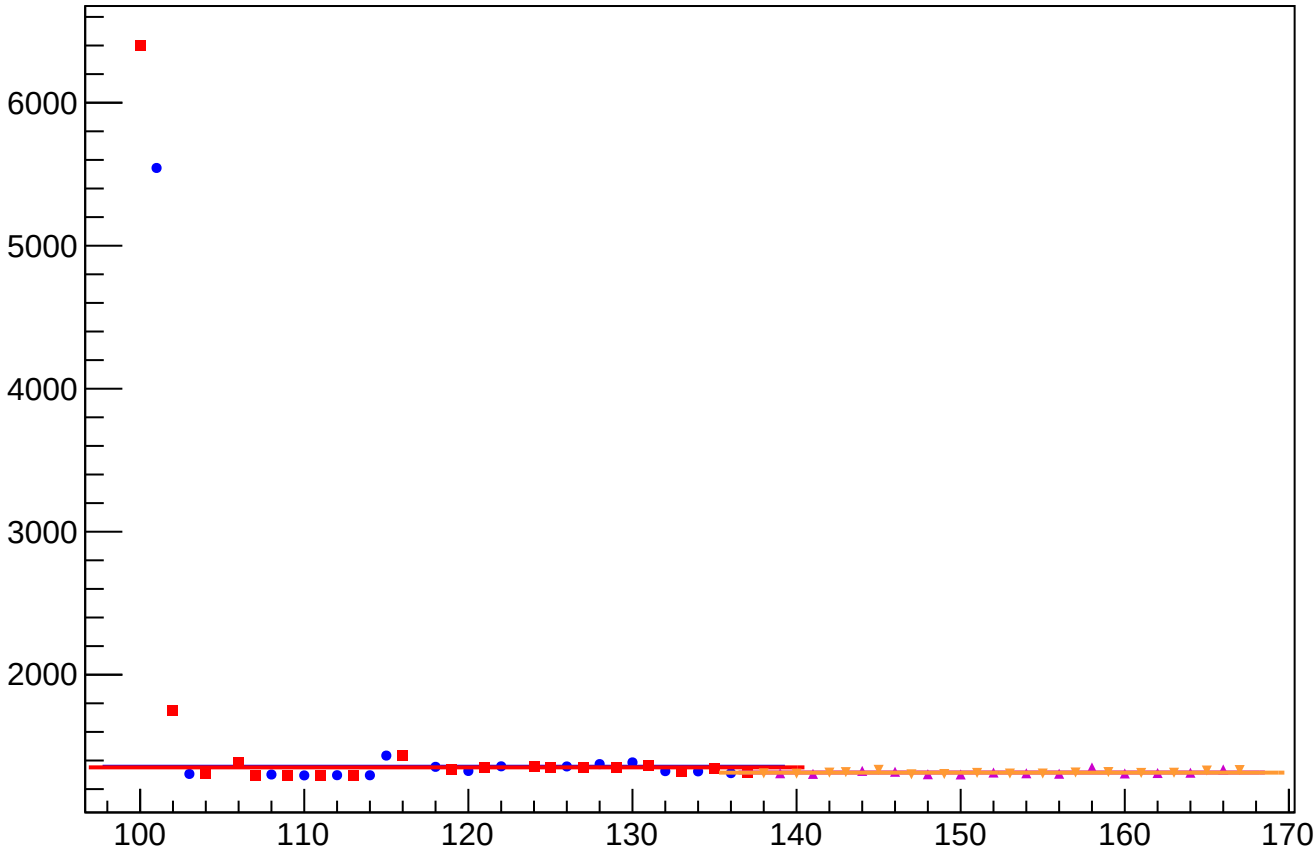
Left: -291.414+/-267.528 χ^2/NDF: 32.7/29

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 28.326+/-310.153 χ^2/NDF:39.3/29

Out: -299.974+/-297.962 χ^2/NDF:25.7/34

All: -142.403+/-214.872 χ^2/NDF: 65.6/64



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1315.255+/-0.262 χ^2/NDF:1205.9/15

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1316.172+/-0.274 χ^2/NDF:2261.8/13

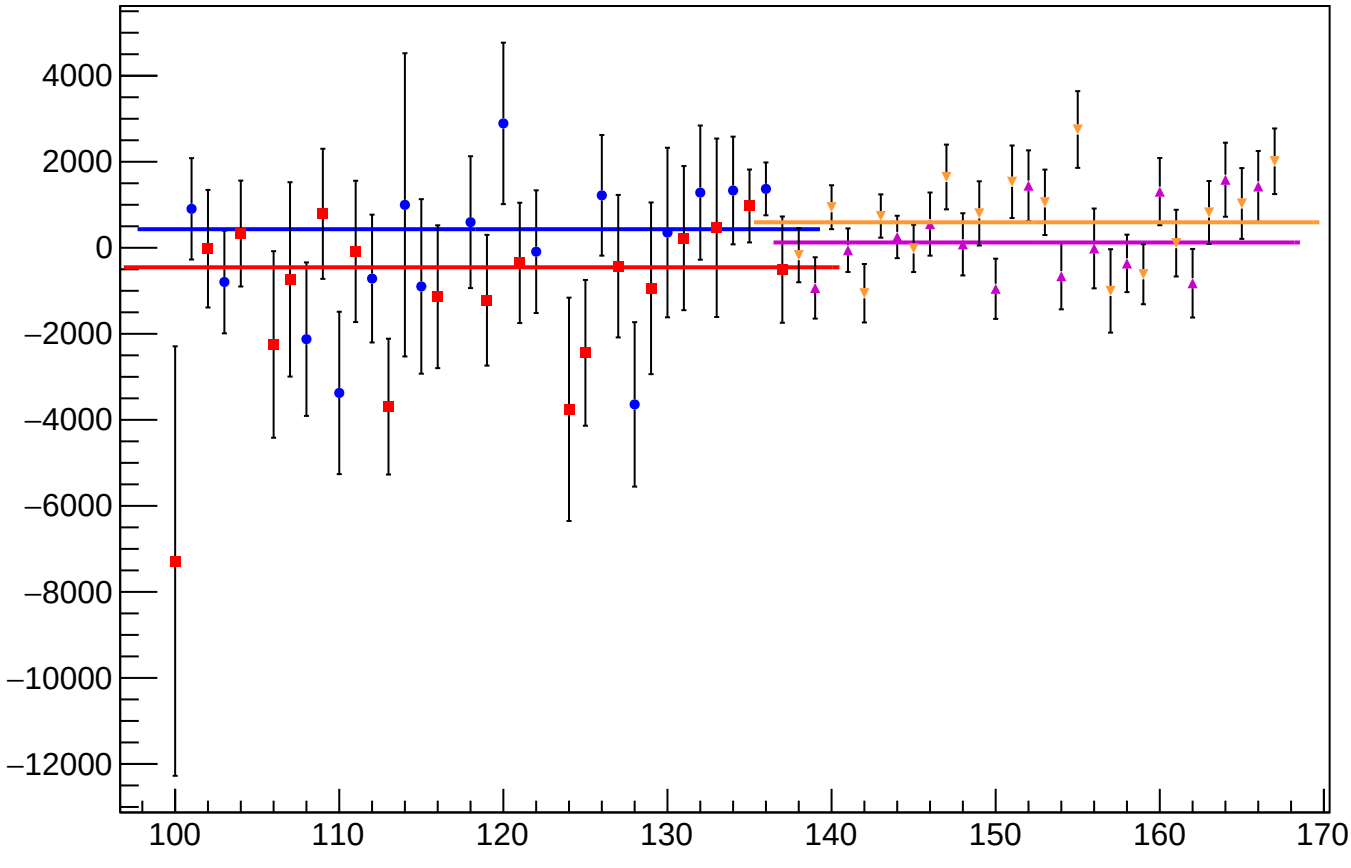
Left: 1315.693+/-0.189 χ^2/NDF: 3473.6/29

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.605+/-0.219 χ^2/NDF:770266.5/29

Out: 1328.194+/-0.211 χ^2/NDF:155495.5/34

All: 1329.351+/-0.152 χ^2/NDF: 925824.9/64



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 593.445+/-172.591 χ^2/NDF:28.6/15

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 123.866+/-187.676 χ^2/NDF:18.4/13

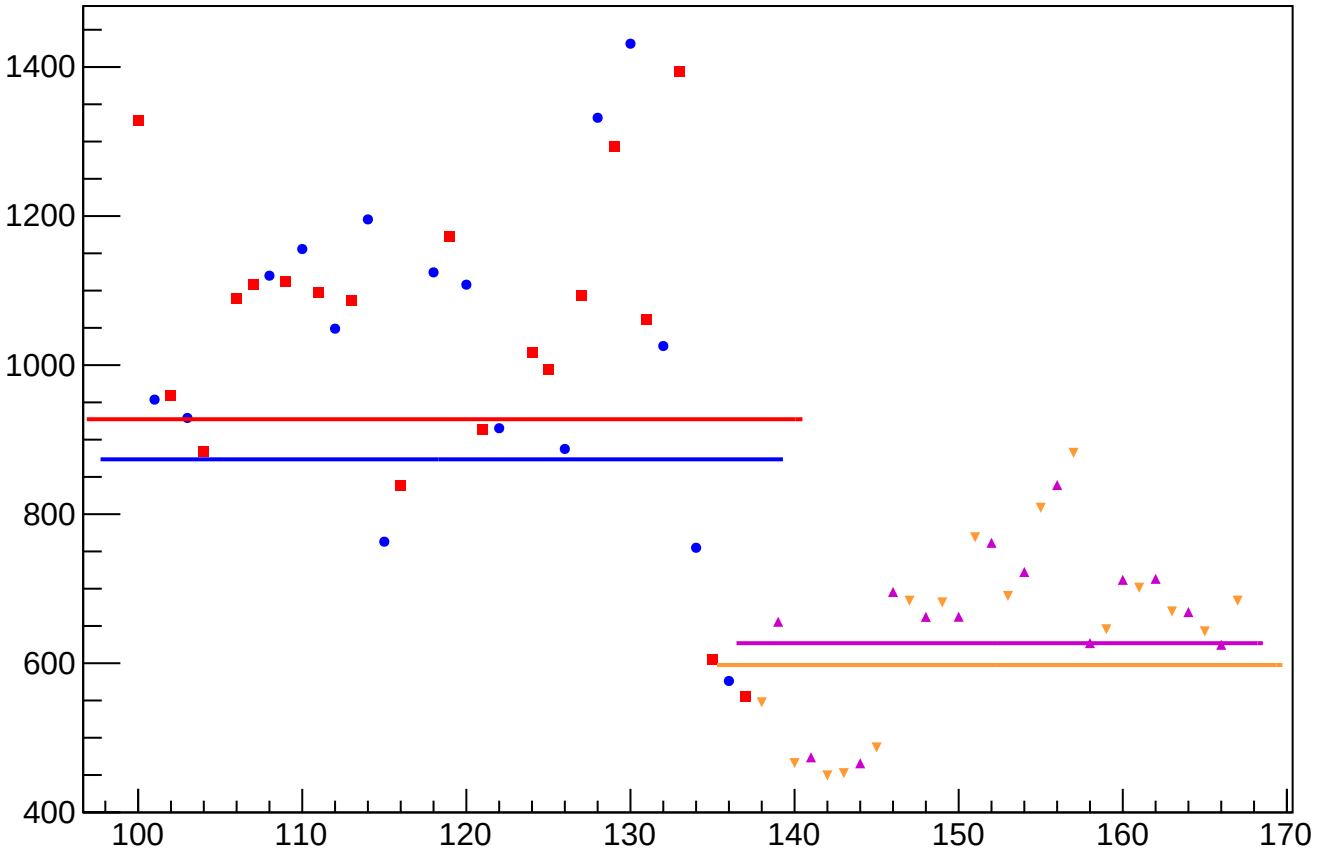
Left: 378.285+/-127.039 χ^2/NDF: 50.3/29

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 196.379+/-164.126 χ^2/NDF:37.2/29

Out: 393.928+/-155.269 χ^2/NDF:50.3/34

All: 300.628+/-112.793 χ^2/NDF: 88.3/64



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 597.624+/-0.122 χ^2/NDF:1032359.2/15

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 626.891+/-0.133 χ^2/NDF:668440.8/13

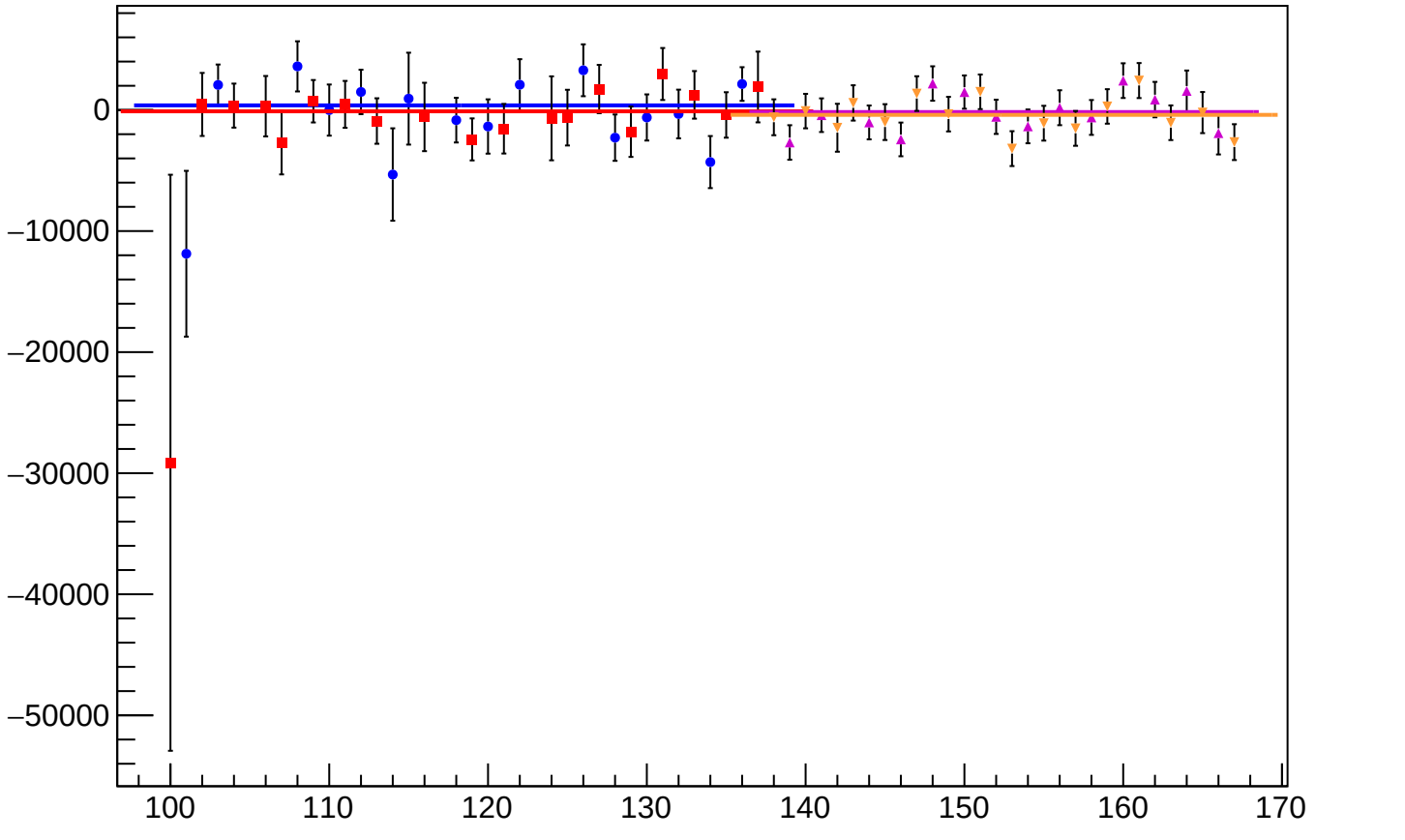
Left: 611.034+/-0.090 χ^2/NDF: 1727150.6/29

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 684.925+/-0.116 χ^2/NDF:2495841.9/29

Out: 660.499+/-0.110 χ^2/NDF:3271931.4/34

All: 672.035+/-0.080 χ^2/NDF: 5791149.3/64



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -402.712+/-369.953 χ^2/NDF:15.4/15

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -169.416+/-387.327 χ^2/NDF:17.1/13

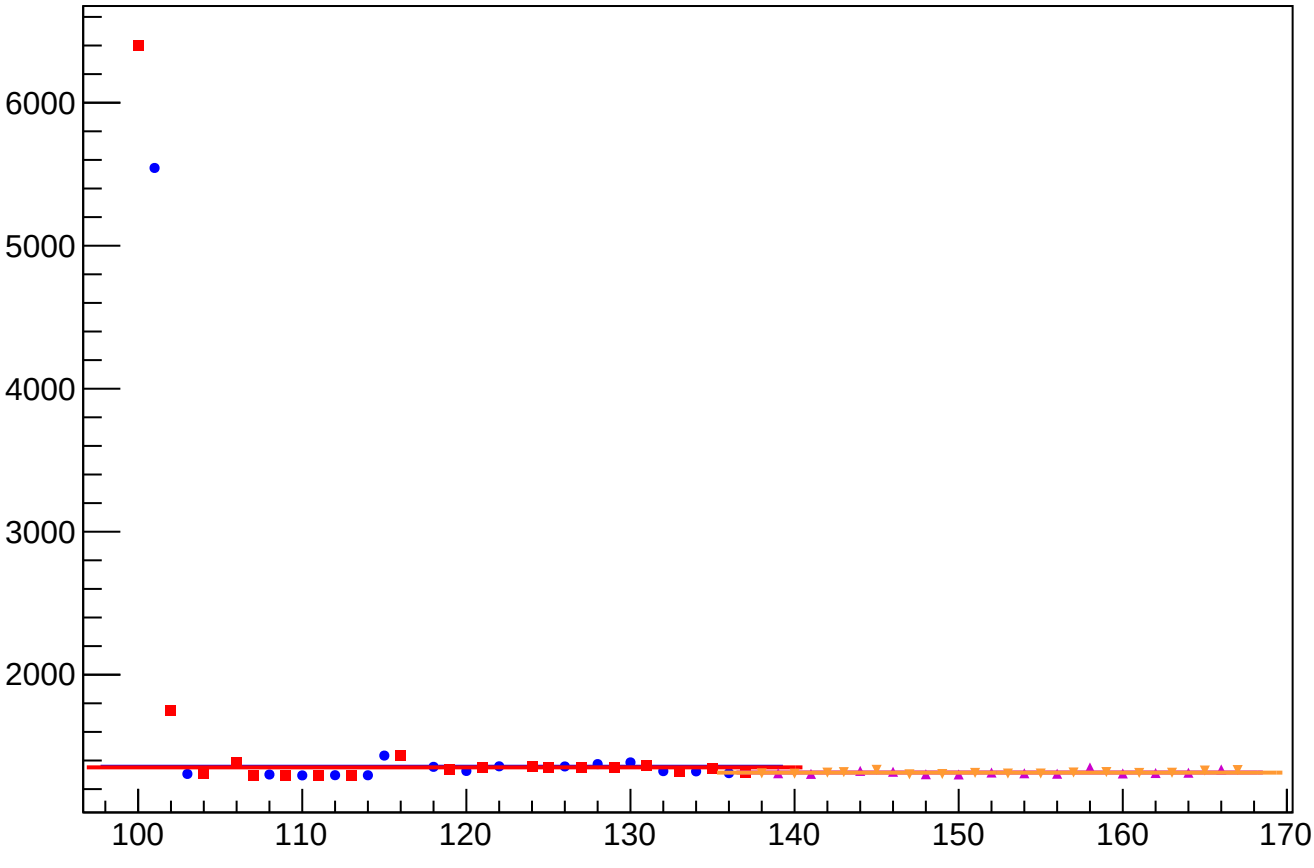
Left: -291.414+/-267.528 χ^2/NDF: 32.7/29

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 28.326+/-310.153 χ^2/NDF:39.3/29

Out: -299.974+/-297.962 χ^2/NDF:25.7/34

All: -142.403+/-214.872 χ^2/NDF: 65.6/64



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1315.255+/-0.262 χ^2/NDF:1205.9/15

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1316.172+/-0.274 χ^2/NDF:2261.8/13

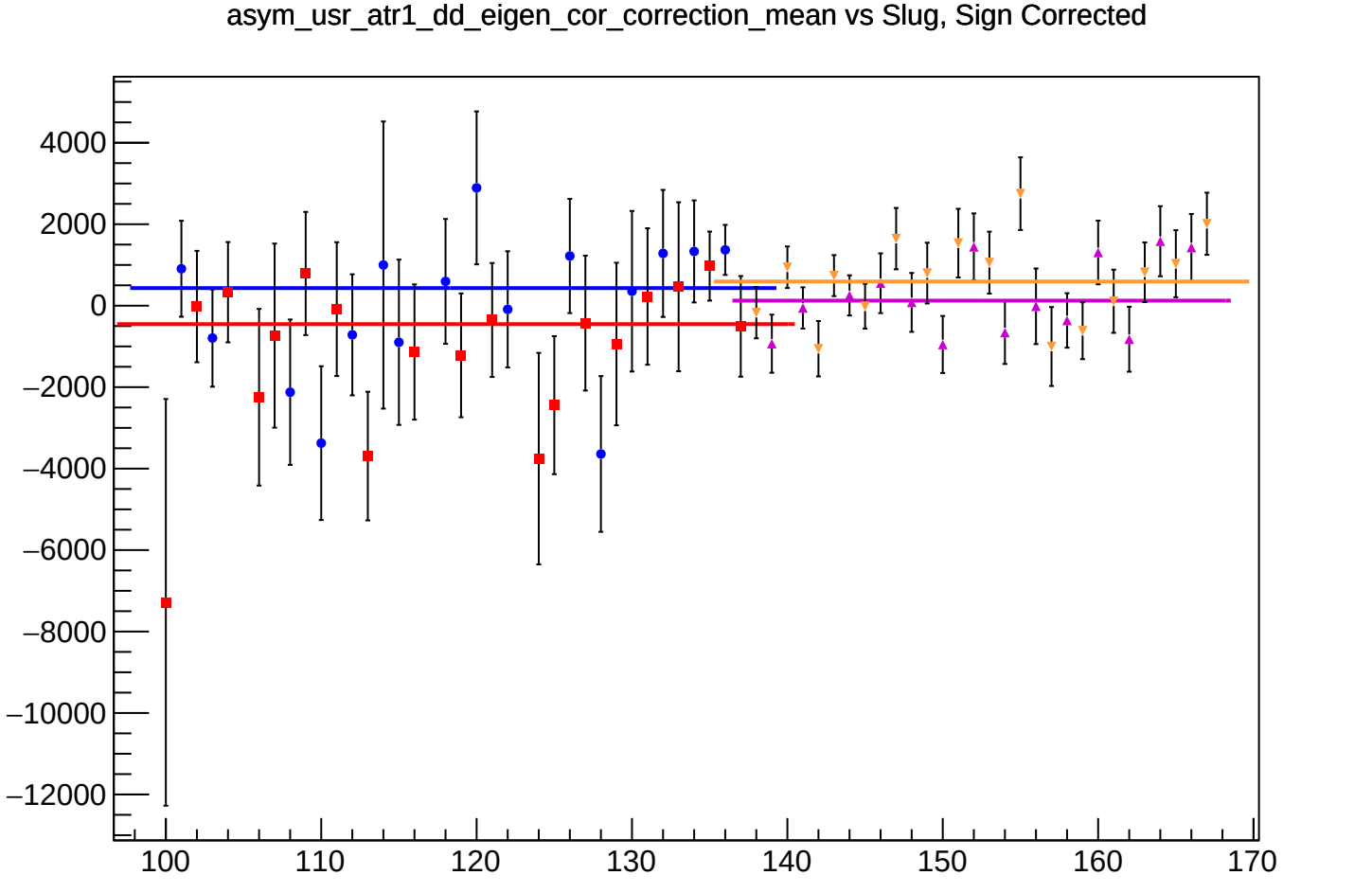
Left: 1315.693+/-0.189 χ^2/NDF: 3473.6/29

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.605+/-0.219 χ^2/NDF:770266.5/29

Out: 1328.194+/-0.211 χ^2/NDF:155495.5/34

All: 1329.351+/-0.152 χ^2/NDF: 925824.9/64



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 593.445+/-172.591 χ^2/NDF:28.6/15

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 123.866+/-187.676 χ^2/NDF:18.4/13

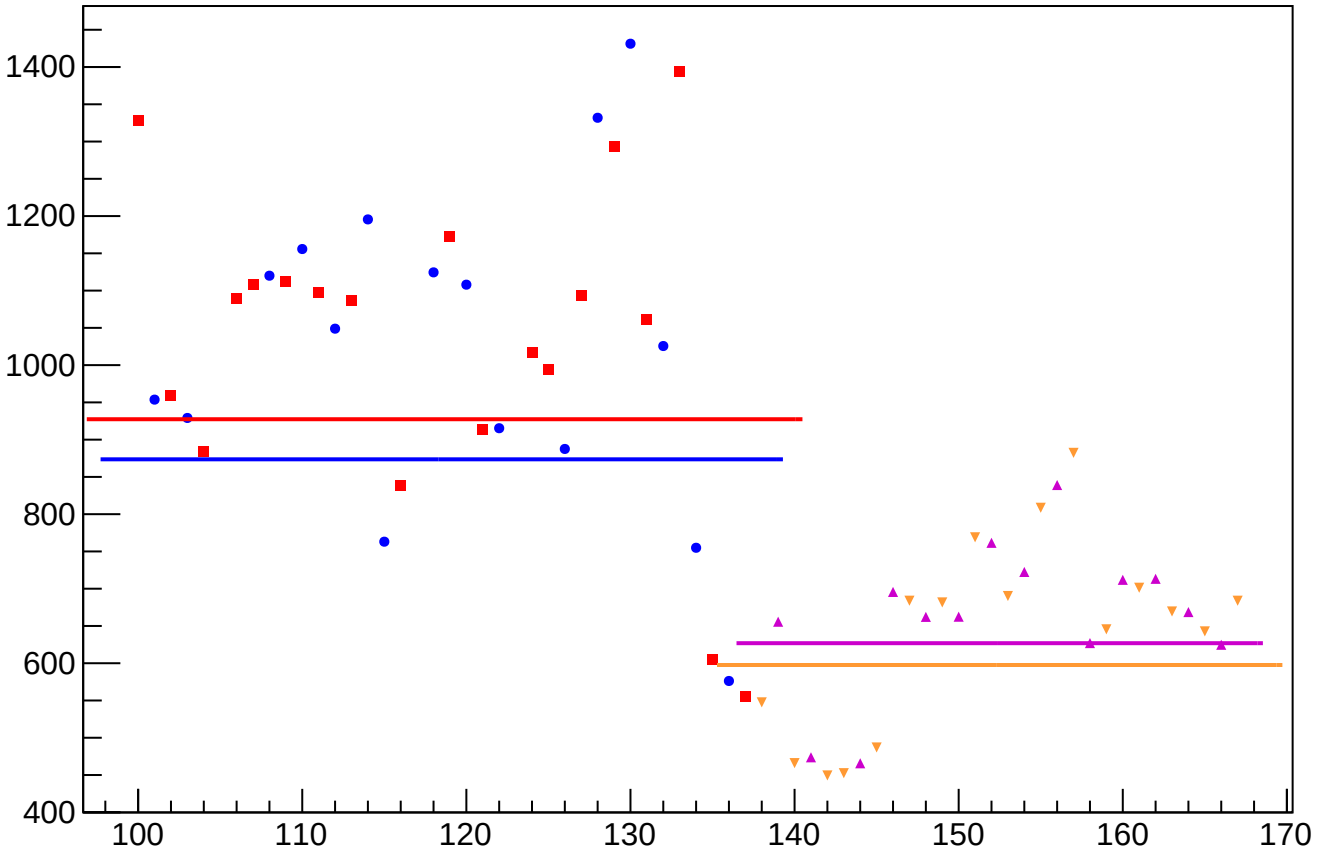
Left: 378.285+/-127.039 χ^2/NDF: 50.3/29

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 196.379+/-164.126 χ^2/NDF:37.2/29

Out: 393.928+/-155.269 χ^2/NDF:50.3/34

All: 300.628+/-112.793 χ^2/NDF: 88.3/64



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 597.624+/-0.122 χ^2/NDF:1032359.2/15

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 626.891+/-0.133 χ^2/NDF:668440.8/13

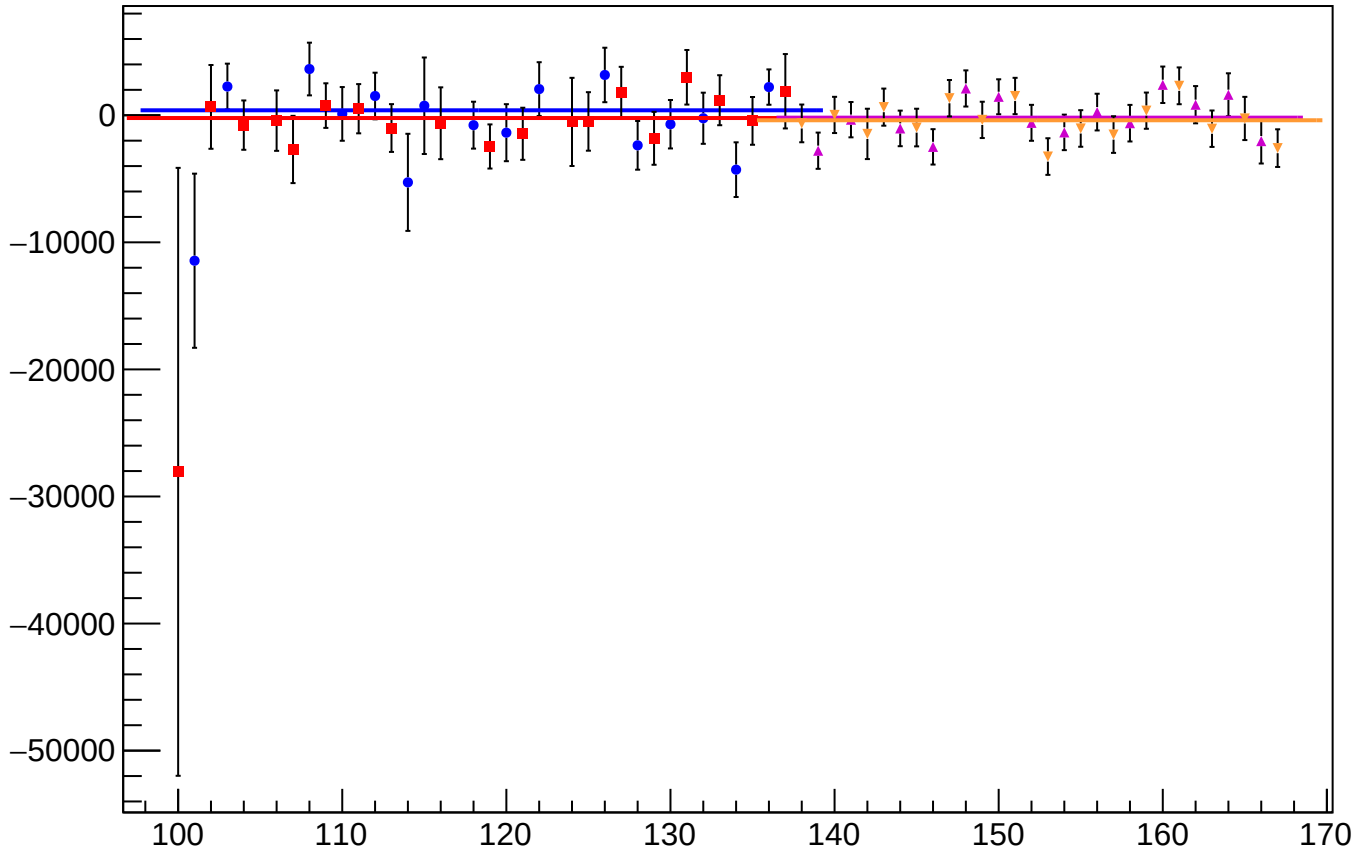
Left: 611.034+/-0.090 χ^2/NDF: 1727150.6/29

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 684.925+/-0.116 χ^2/NDF:2495841.9/29

Out: 660.499+/-0.110 χ^2/NDF:3271931.4/34

All: 672.035+/-0.080 χ^2/NDF: 5791149.3/64



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -394.458+/-370.249 χ^2/NDF:15.2/15

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -189.249+/-387.622 χ^2/NDF:17.4/13

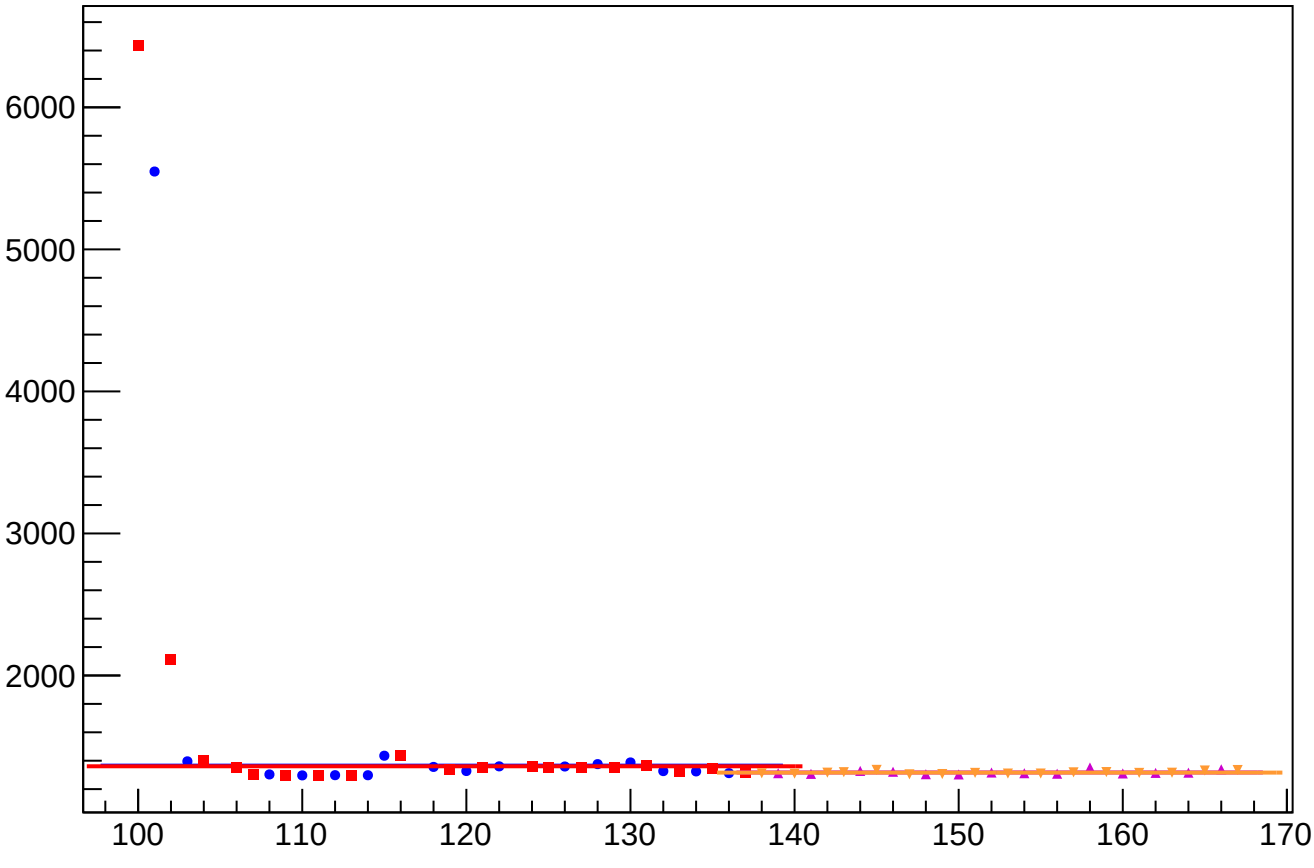
Left: -296.555+/-267.737 χ^2/NDF: 32.8/29

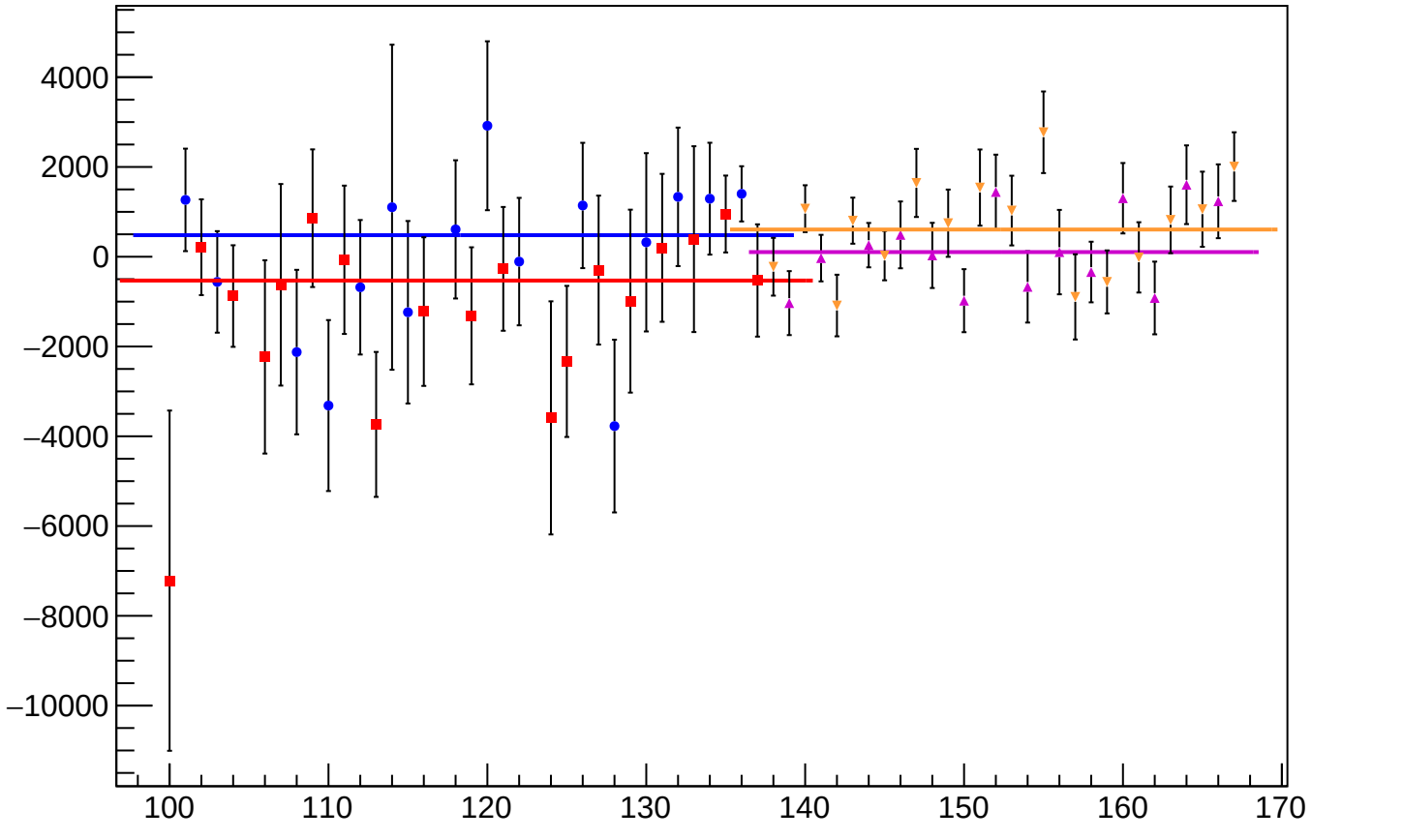
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 17.041+/-311.025 χ^2/NDF:39.6/29

Out: -333.294+/-299.196 χ^2/NDF:25.3/34

All: -164.915+/-215.624 χ^2/NDF: 65.5/64


dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1365.302+/-0.369 χ²/NDF: 758944.7/15
Left Out: 1316.308+/-0.262 χ²/NDF:1221.8/15
Right Out: 1360.771+/-0.359 χ²/NDF: 205315.3/18
Left In: 1317.173+/-0.274 χ²/NDF:2290.3/13
Left: 1316.721+/-0.189 χ²/NDF: 3517.3/29
Right: 1362.978+/-0.257 χ²/NDF: 964337.6/34
In: 1334.315+/-0.220 χ²/NDF:772216.7/29
Out: 1331.736+/-0.212 χ²/NDF:216545.0/34
All: 1332.975+/-0.152 χ²/NDF: 988833.2/64



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 606.211+/-174.605 χ^2/NDF:28.5/15

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: 103.768+/-189.692 χ^2/NDF:18.1/13

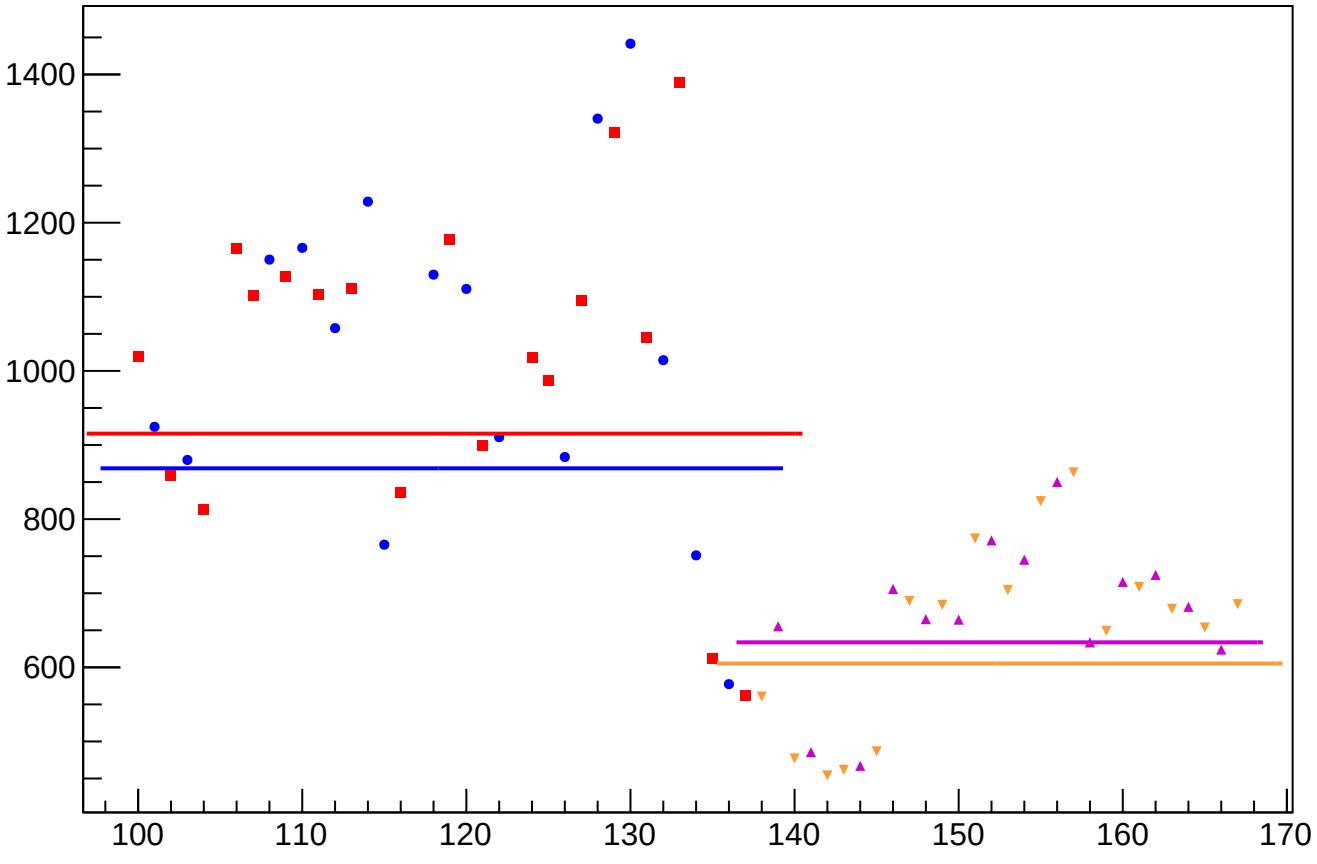
Left: 375.762+/-128.467 χ^2/NDF: 50.4/29

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 194.584+/-165.247 χ^2/NDF:37.7/29

Out: 375.596+/-155.891 χ^2/NDF:52.8/34

All: 290.359+/-113.395 χ^2/NDF: 91.0/64



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 605.219+/-0.123 χ^2/NDF:989703.5/15

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 633.761+/-0.134 χ^2/NDF:671856.0/13

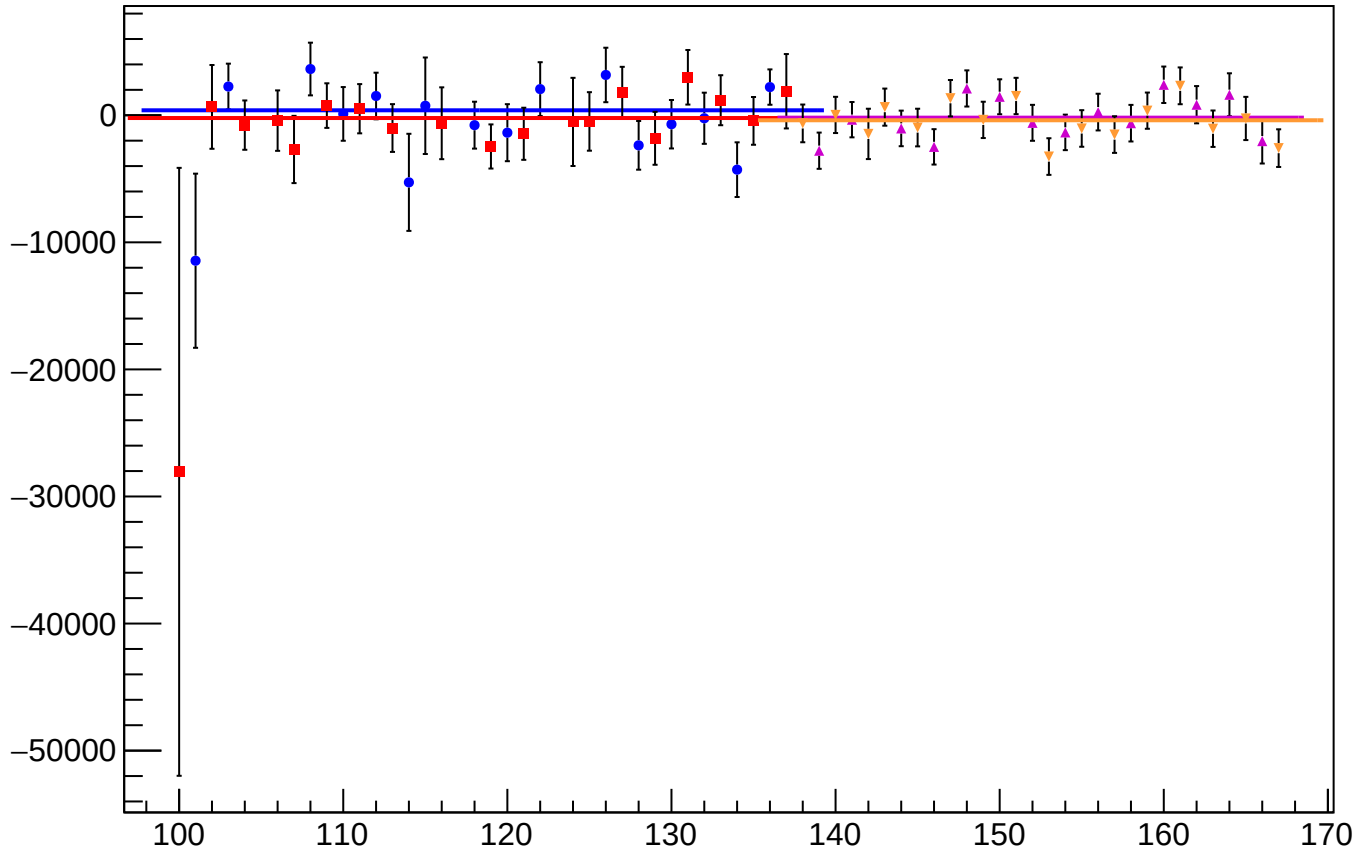
Left: 618.310+/-0.091 χ^2/NDF: 1686070.6/29

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 690.380+/-0.117 χ^2/NDF:2432142.0/29

Out: 668.139+/-0.110 χ^2/NDF:3128756.3/34

All: 678.612+/-0.080 χ^2/NDF: 5580068.8/64



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -394.460+/-370.249 χ^2/NDF:15.2/15

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -189.248+/-387.622 χ^2/NDF:17.4/13

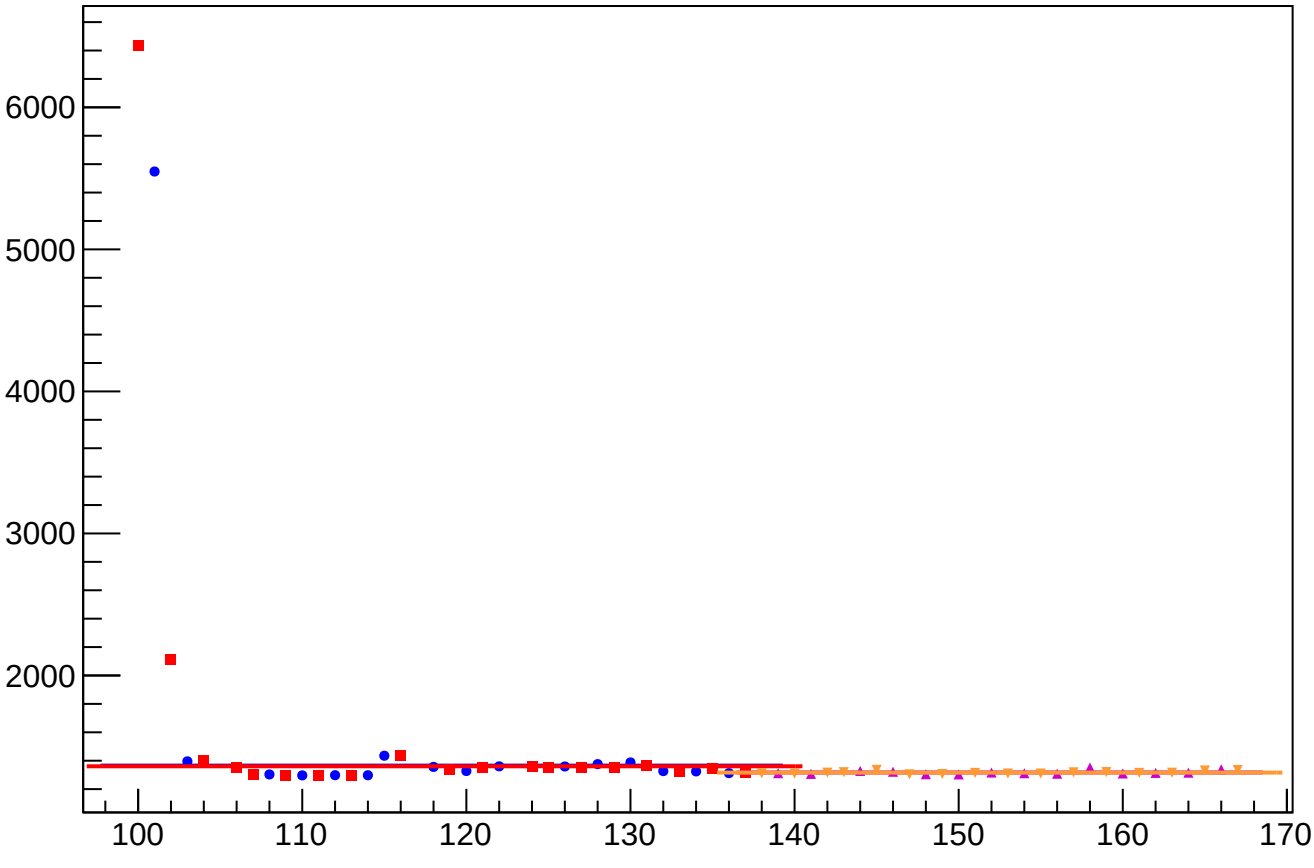
Left: -296.556+/-267.737 χ^2/NDF: 32.8/29

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 17.042+/-311.025 χ^2/NDF:39.6/29

Out: -333.295+/-299.196 χ^2/NDF:25.3/34

All: -164.915+/-215.624 χ^2/NDF: 65.5/64



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1316.308+/-0.262 χ^2/NDF:1221.8/15

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1317.173+/-0.274 χ^2/NDF:2290.3/13

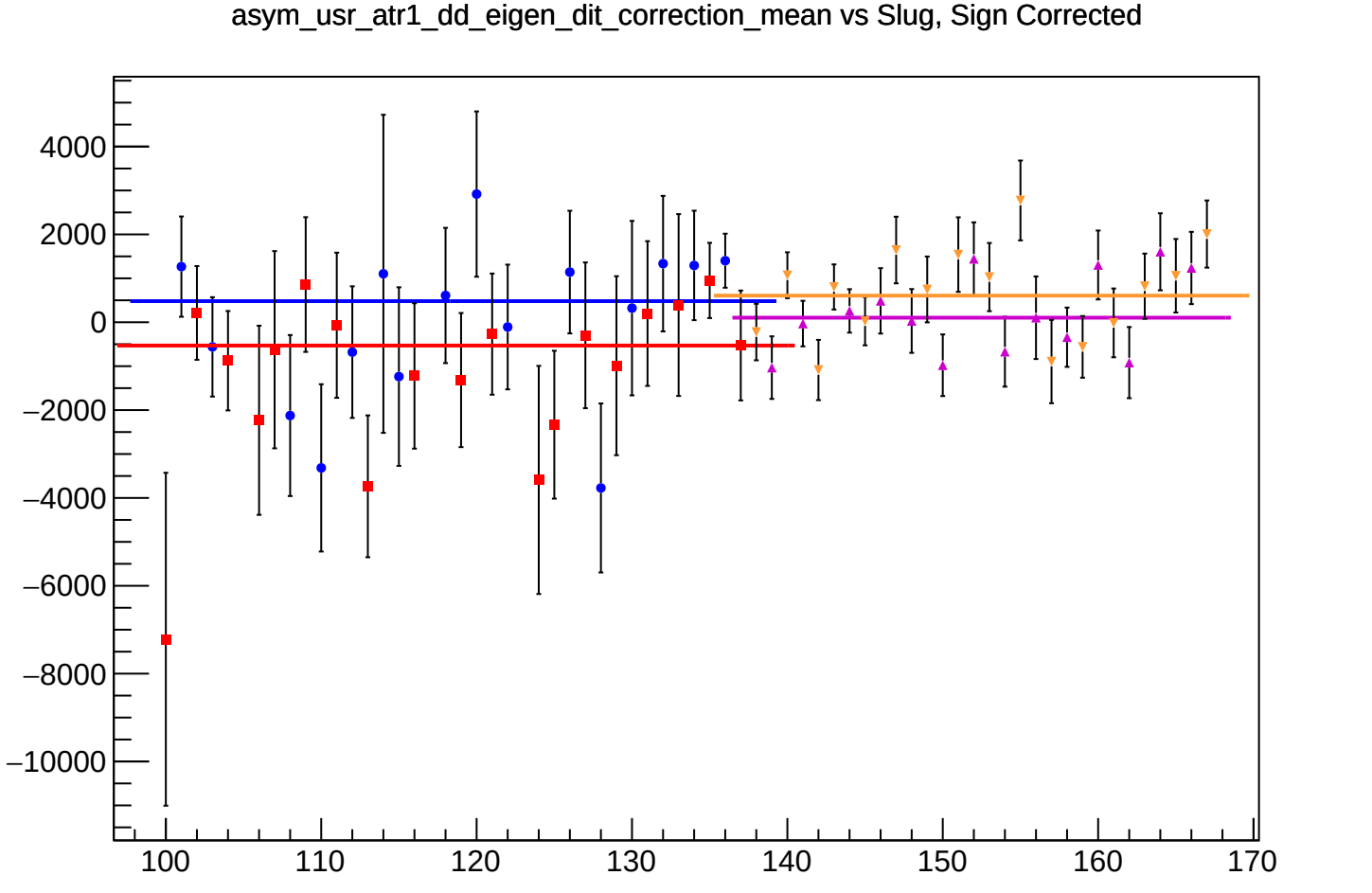
Left: 1316.721+/-0.189 χ^2/NDF: 3517.3/29

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1334.315+/-0.220 χ^2/NDF:772216.7/29

Out: 1331.736+/-0.212 χ^2/NDF:216544.9/34

All: 1332.975+/-0.152 χ^2/NDF: 988833.1/64



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 606.211+/-174.605 χ^2/NDF:28.5/15

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 103.768+/-189.692 χ^2/NDF:18.1/13

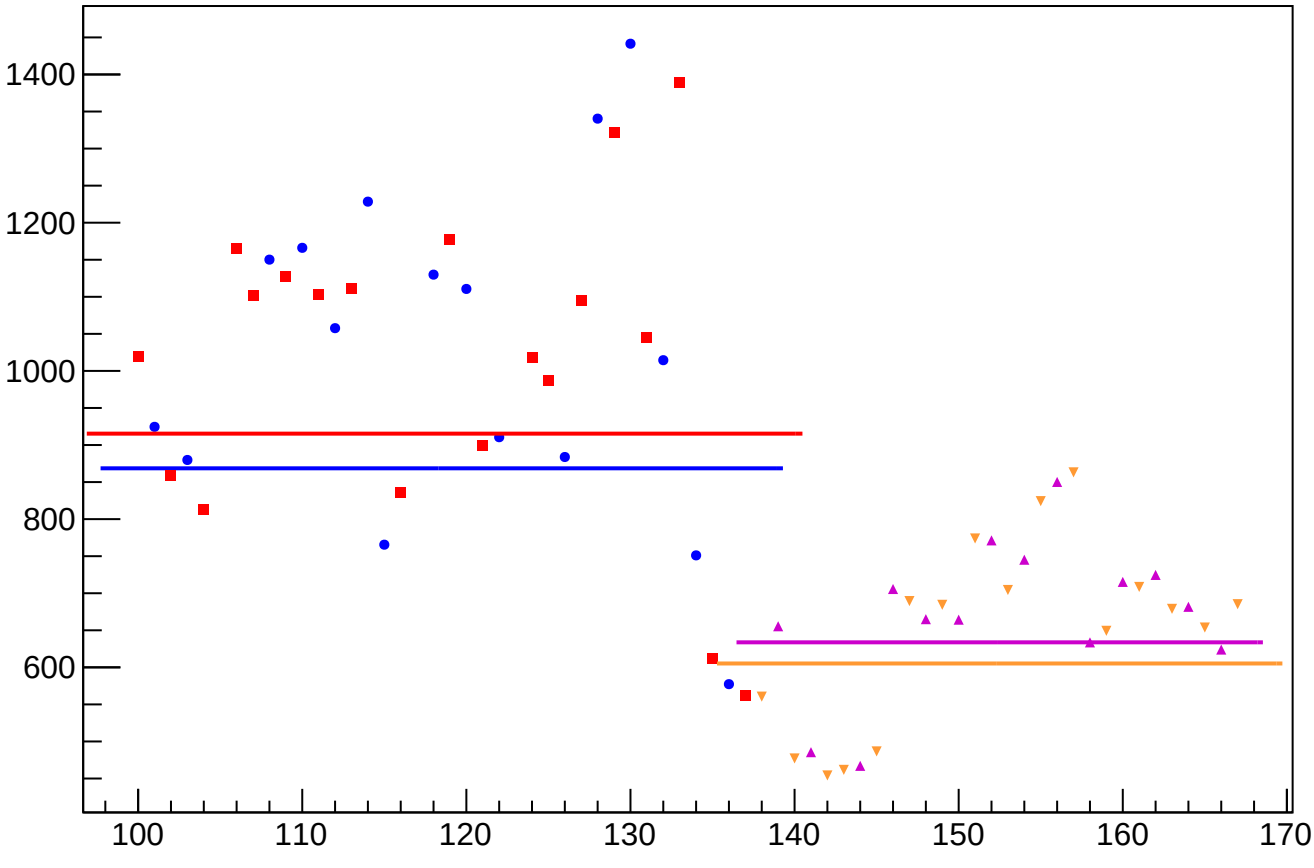
Left: 375.762+/-128.468 χ^2/NDF: 50.4/29

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 194.585+/-165.247 χ^2/NDF:37.7/29

Out: 375.595+/-155.891 χ^2/NDF:52.8/34

All: 290.359+/-113.395 χ^2/NDF: 91.0/64



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 605.219+/-0.123 χ^2/NDF:989718.1/15

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 633.762+/-0.134 χ^2/NDF:671863.1/13

Left: 618.311+/-0.091 χ^2/NDF: 1686093.7/29

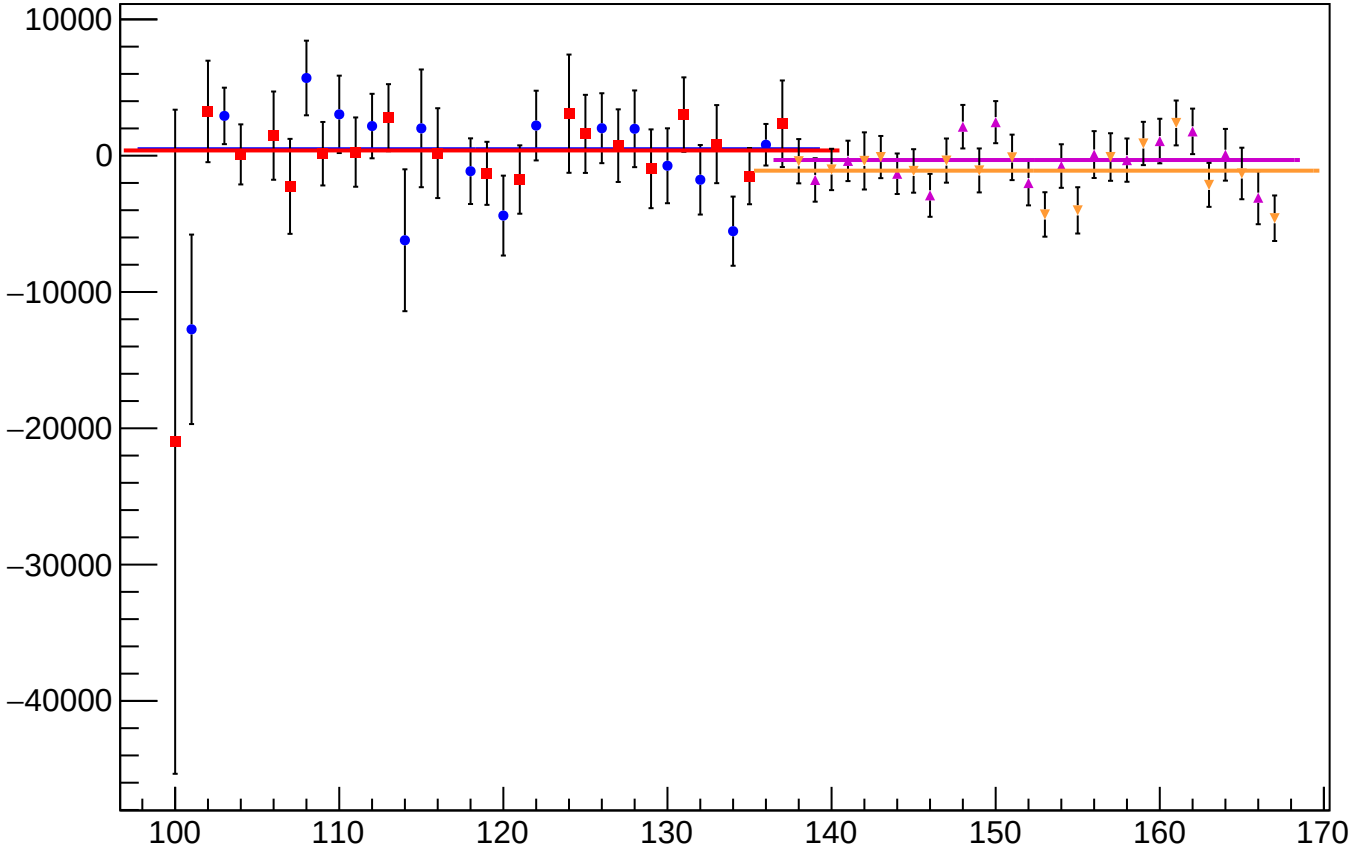
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 690.381+/-0.117 χ^2/NDF:2432129.0/29

Out: 668.139+/-0.110 χ^2/NDF:3128758.2/34

All: 678.612+/-0.080 χ^2/NDF: 5580058.7/64

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1099.085+/-414.584 χ^2/NDF:19.3/15

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -317.253+/-434.805 χ^2/NDF:15.1/13

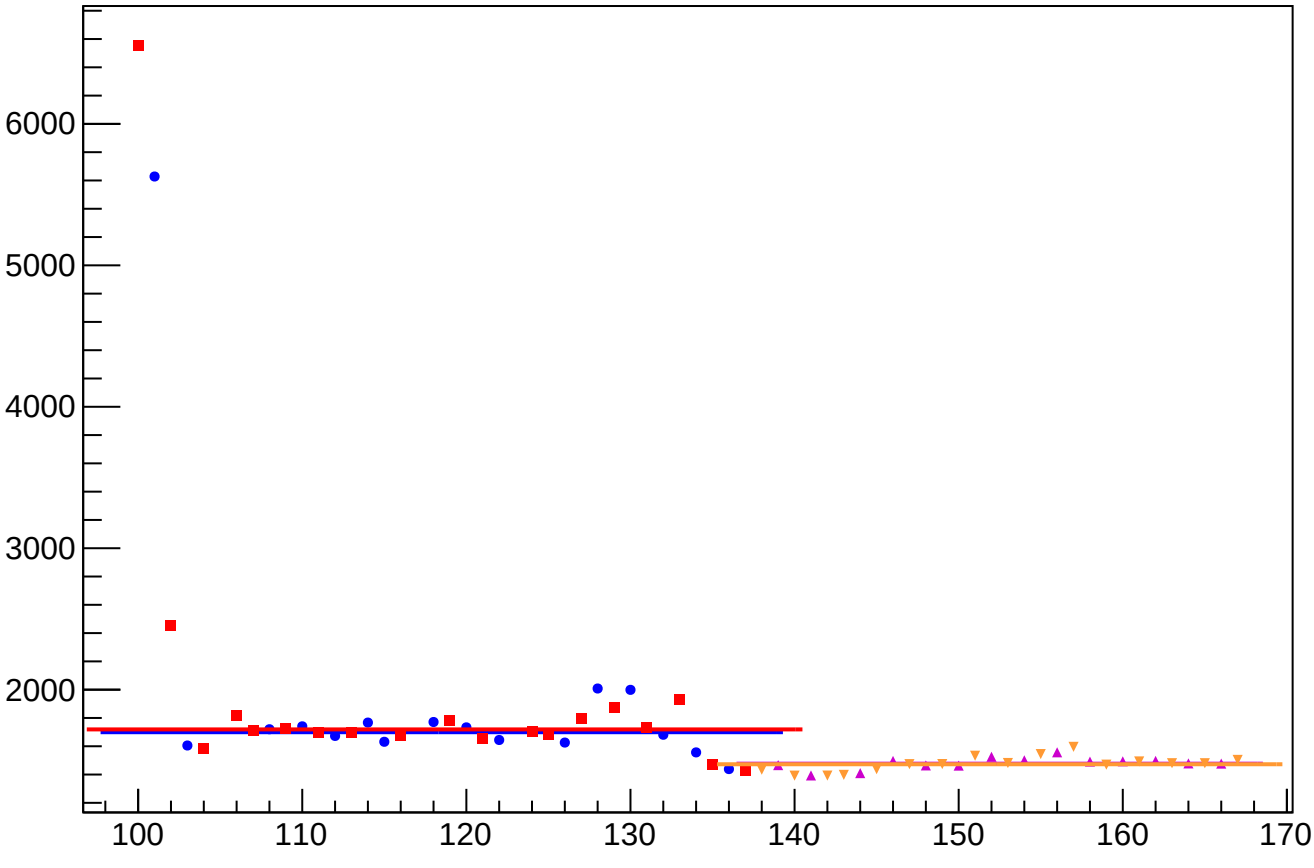
Left: -726.771+/-300.049 χ^2/NDF: 36.2/29

Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -72.409+/-361.271 χ^2/NDF:38.9/29

Out: -662.388+/-348.276 χ^2/NDF:30.4/34

All: -378.200+/-250.737 χ^2/NDF: 70.6/64



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1472.784+/-0.293 χ^2/NDF:32588.1/15

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1476.852+/-0.307 χ^2/NDF:18277.2/13

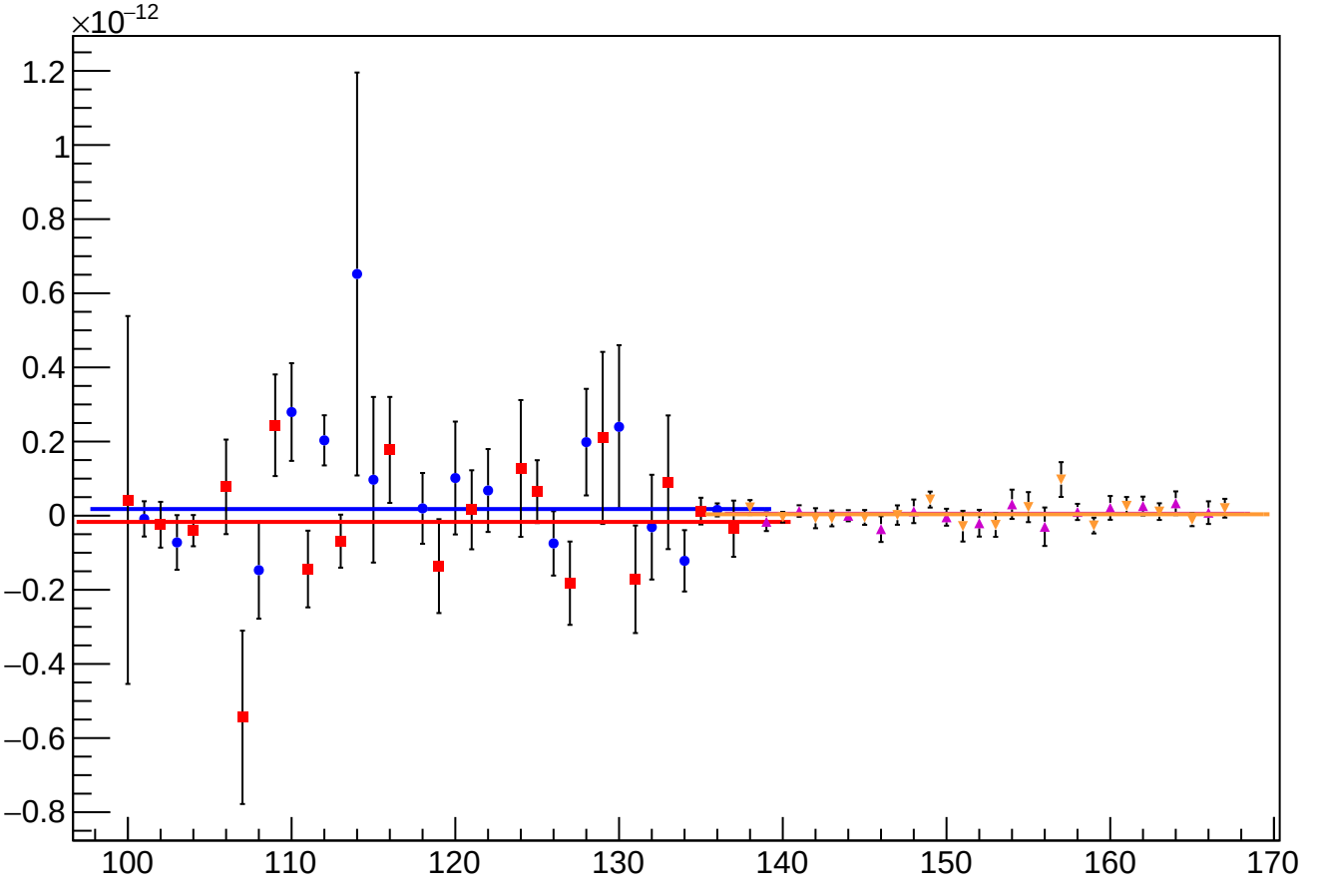
Left: 1474.721+/-0.212 χ^2/NDF: 50957.0/29

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1545.739+/-0.255 χ^2/NDF:942505.9/29

Out: 1545.275+/-0.246 χ^2/NDF:474111.2/34

All: 1545.499+/-0.177 χ^2/NDF: 1416618.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/13

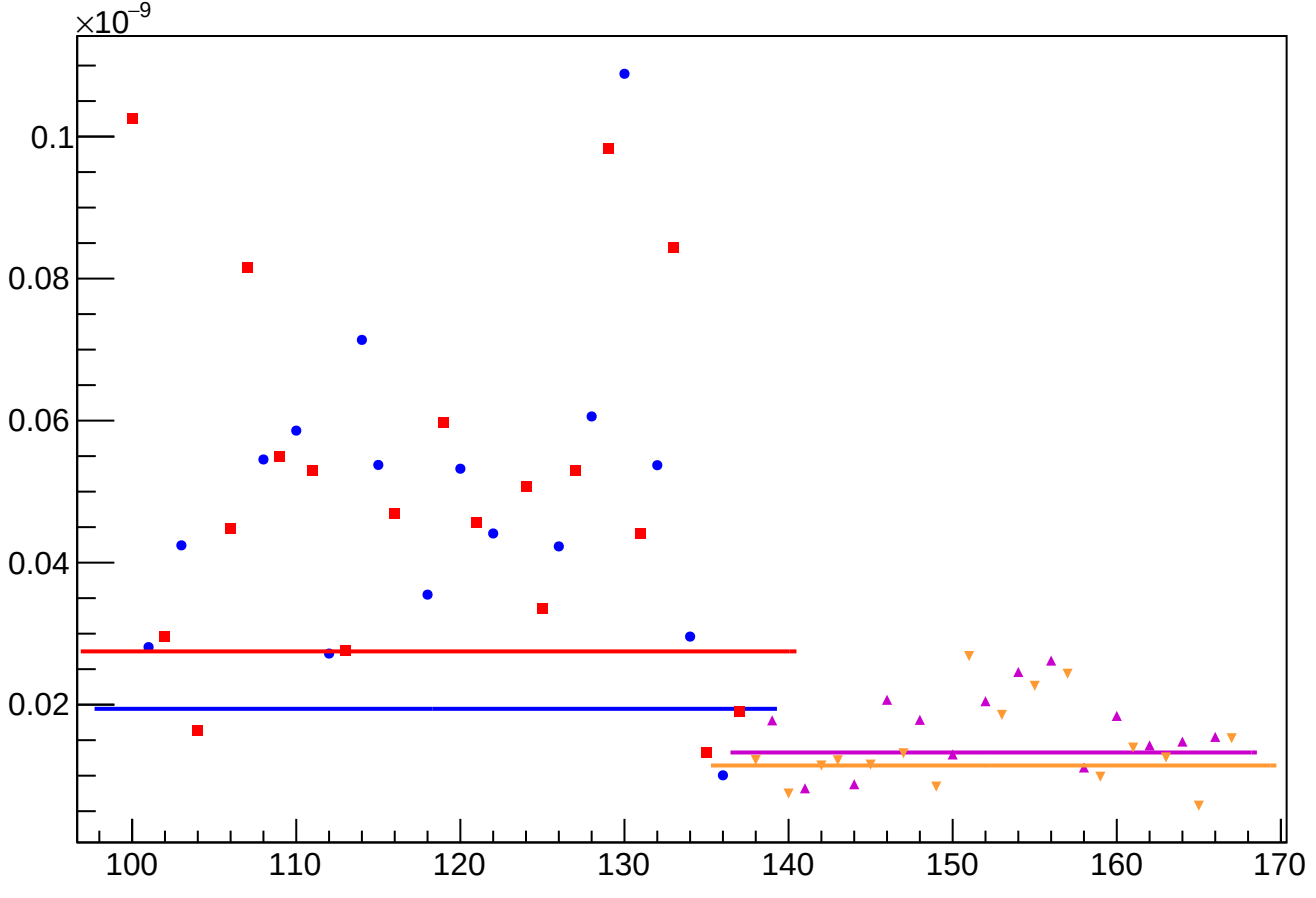
Left: 0.000+/-0.000 χ^2/NDF: 20.8/29

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:30.1/29

Out: 0.000+/-0.000 χ^2/NDF:37.3/34

All: 0.000+/-0.000 χ^2/NDF: 67.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1177093.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1045953.6/13

Left: 0.000+/-0.000 χ^2/NDF: 2309441.6/29

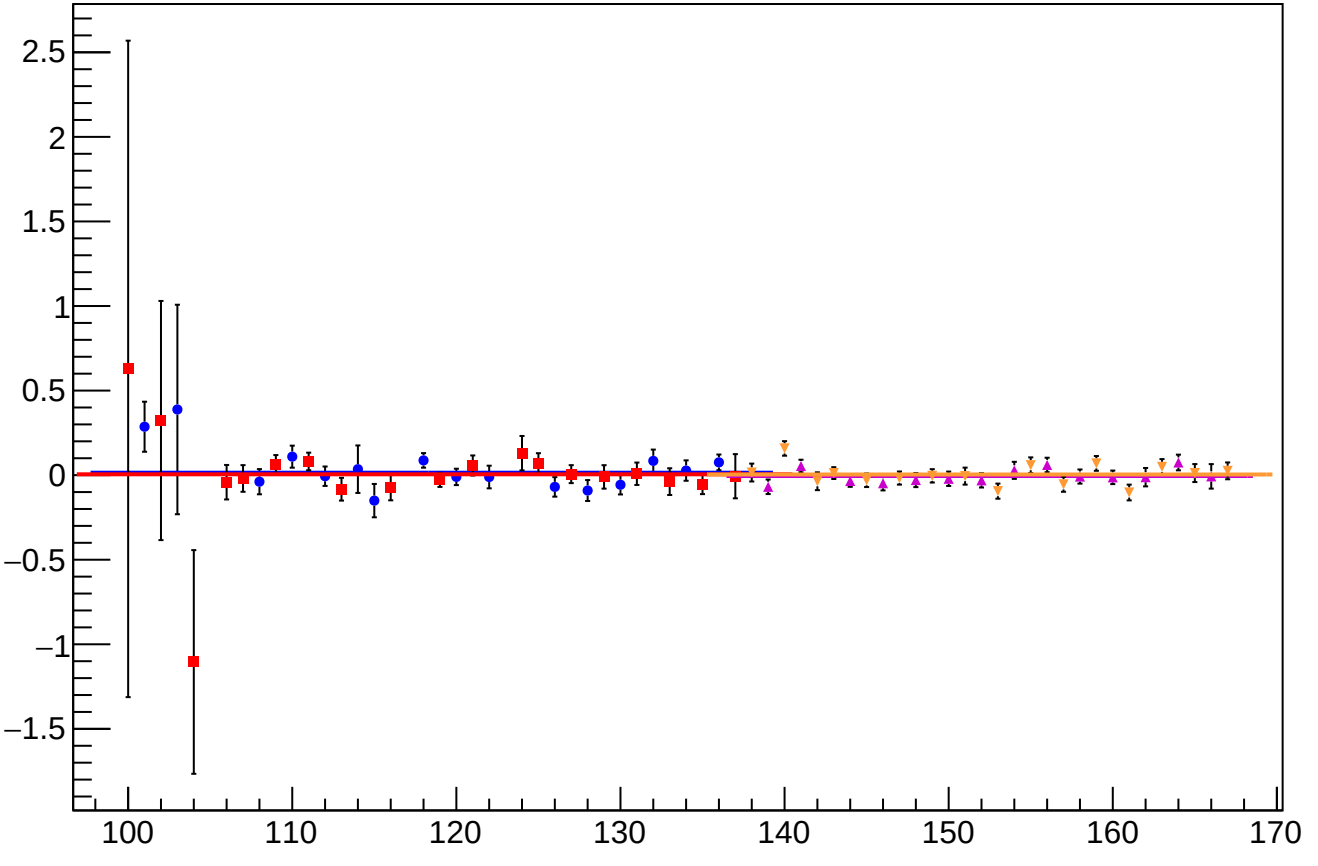
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3621342.6/29

Out: 0.000+/-0.000 χ^2/NDF:4124416.2/34

All: 0.000+/-0.000 χ^2/NDF: 7821762.9/64

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.011 χ^2/NDF:31.3/15

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/13

Left: -0.000+/-0.008 χ^2/NDF: 44.8/29

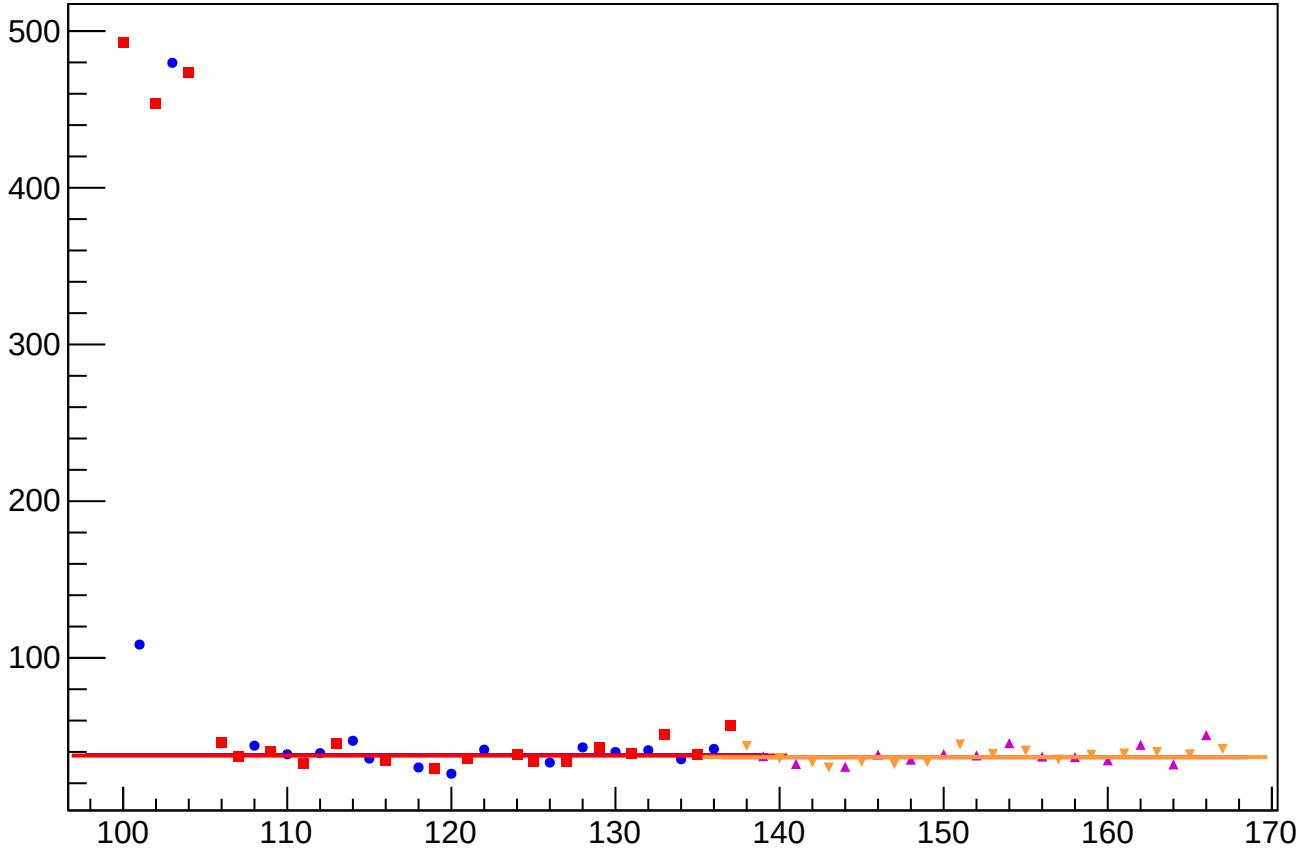
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/29

Out: 0.004+/-0.009 χ^2/NDF:46.2/34

All: 0.003+/-0.007 χ^2/NDF: 82.4/64

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.663+/-0.008 χ^2/NDF:283433.4/15

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.586+/-0.008 χ^2/NDF:308047.8/13

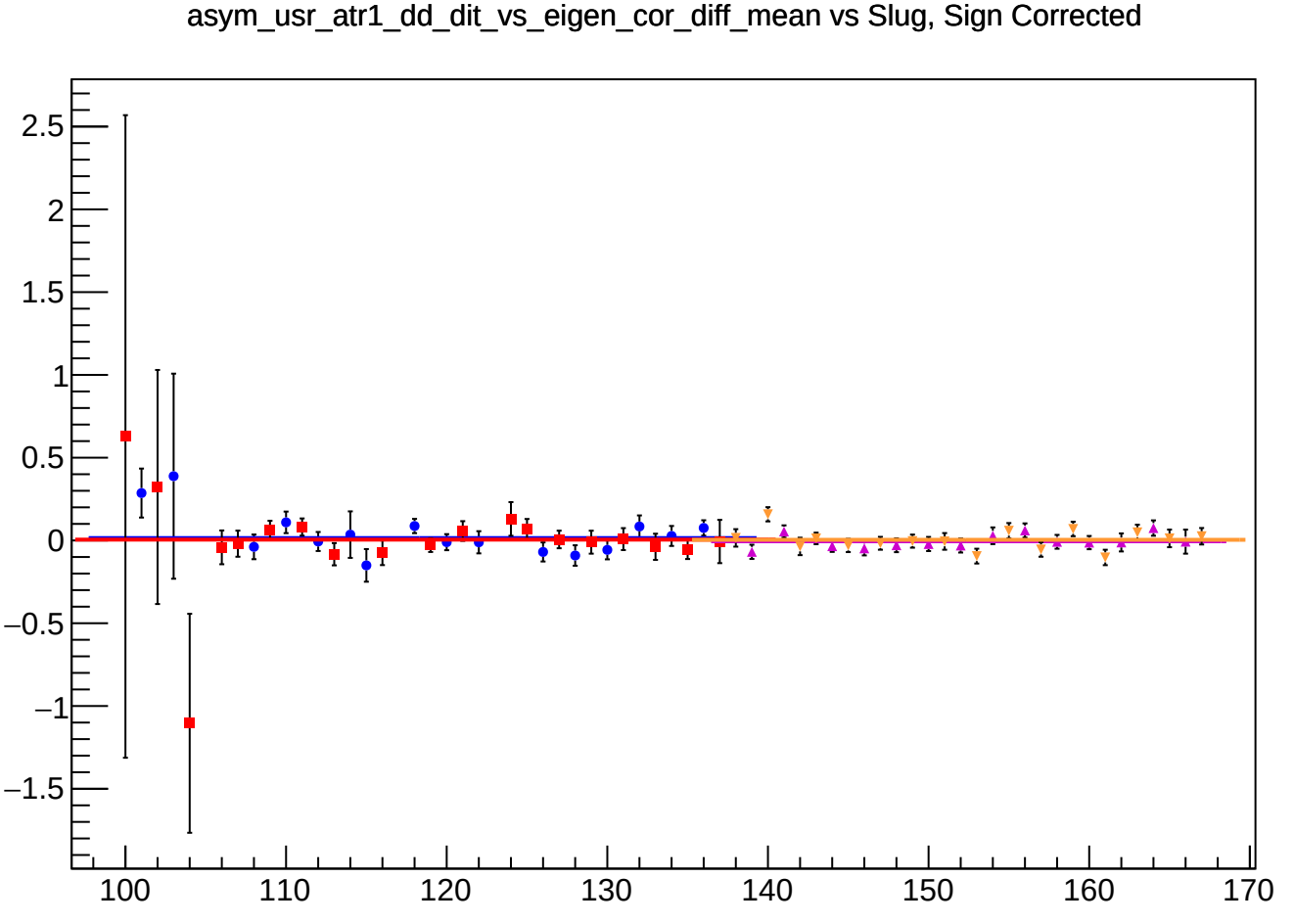
Left: 36.626+/-0.006 χ^2/NDF: 591527.5/29

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

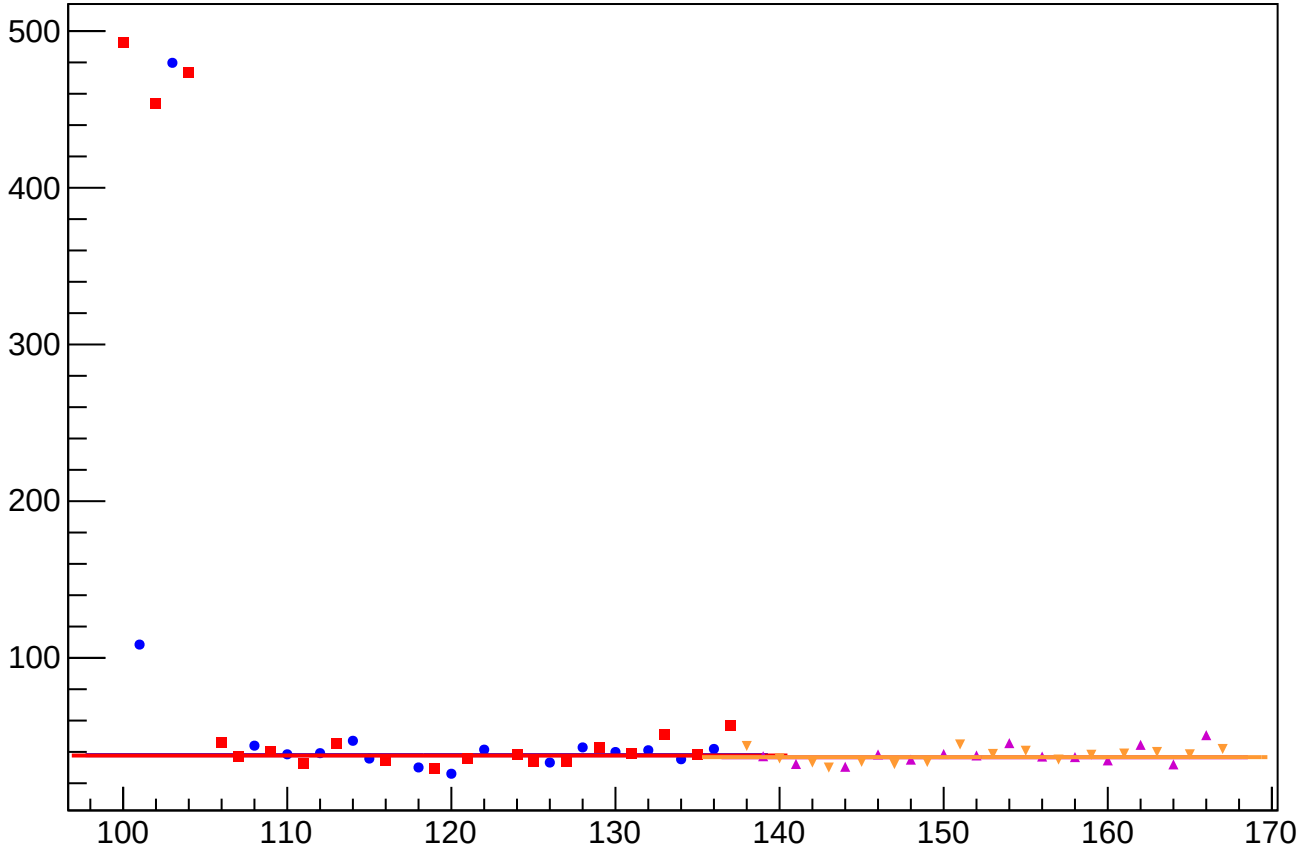
In: 37.054+/-0.007 χ^2/NDF:2057206.1/29

Out: 36.998+/-0.006 χ^2/NDF:2233911.2/34

All: 37.025+/-0.005 χ^2/NDF: 4291154.7/64


asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.004+/-0.011 χ²/NDF:31.3/15
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: -0.005+/-0.012 χ²/NDF:13.1/13
Left: -0.000+/-0.008 χ²/NDF: 44.8/29
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: 0.002+/-0.009 χ²/NDF:36.1/29
Out: 0.004+/-0.009 χ²/NDF:46.2/34
All: 0.003+/-0.007 χ²/NDF: 82.4/64

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.663+/-0.008 χ^2/NDF:283433.4/15

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.586+/-0.008 χ^2/NDF:308047.8/13

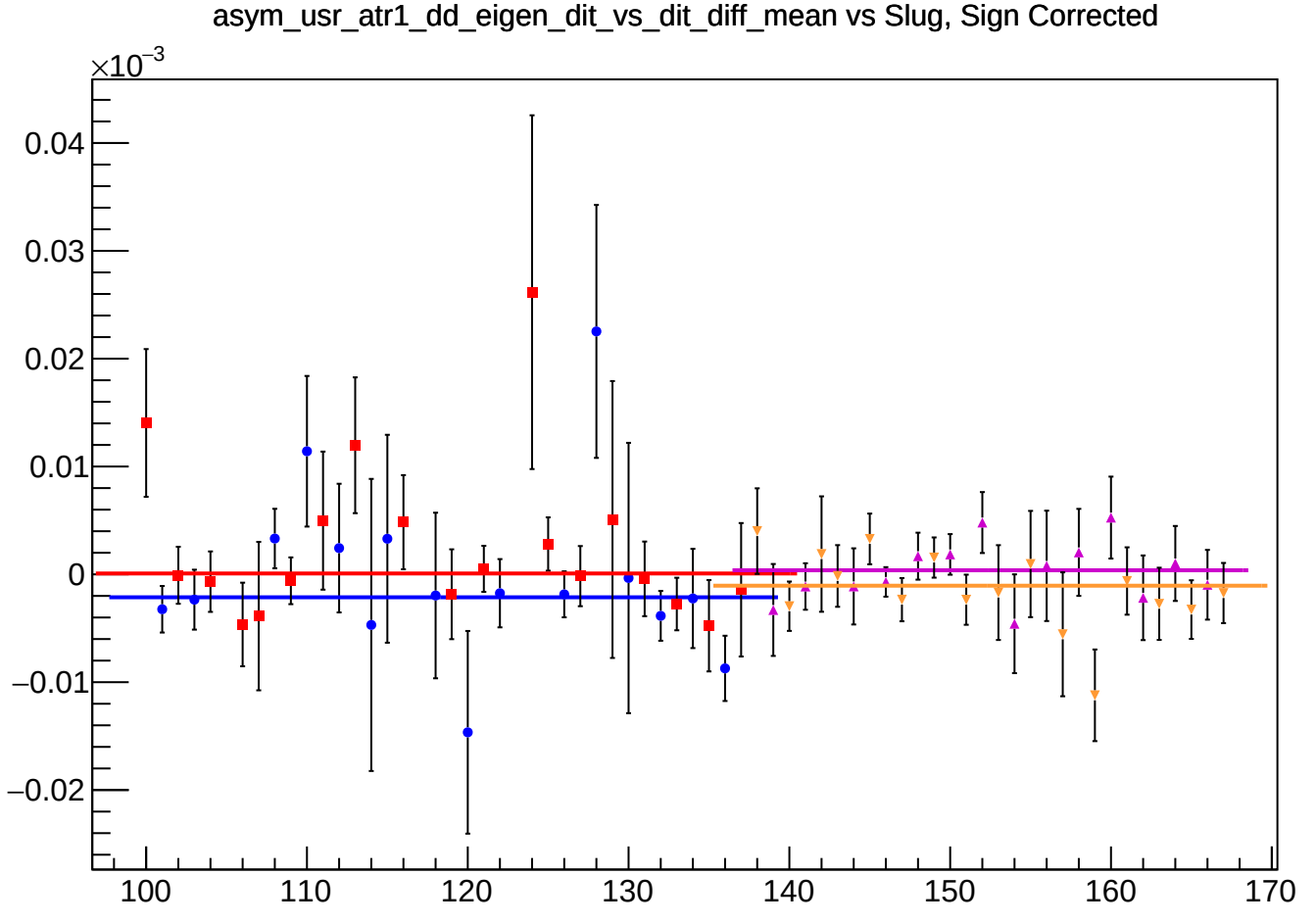
Left: 36.626+/-0.006 χ^2/NDF: 591527.5/29

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.054+/-0.007 χ^2/NDF:2057206.1/29

Out: 36.998+/-0.006 χ^2/NDF:2233911.2/34

All: 37.025+/-0.005 χ^2/NDF: 4291154.7/64



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/13

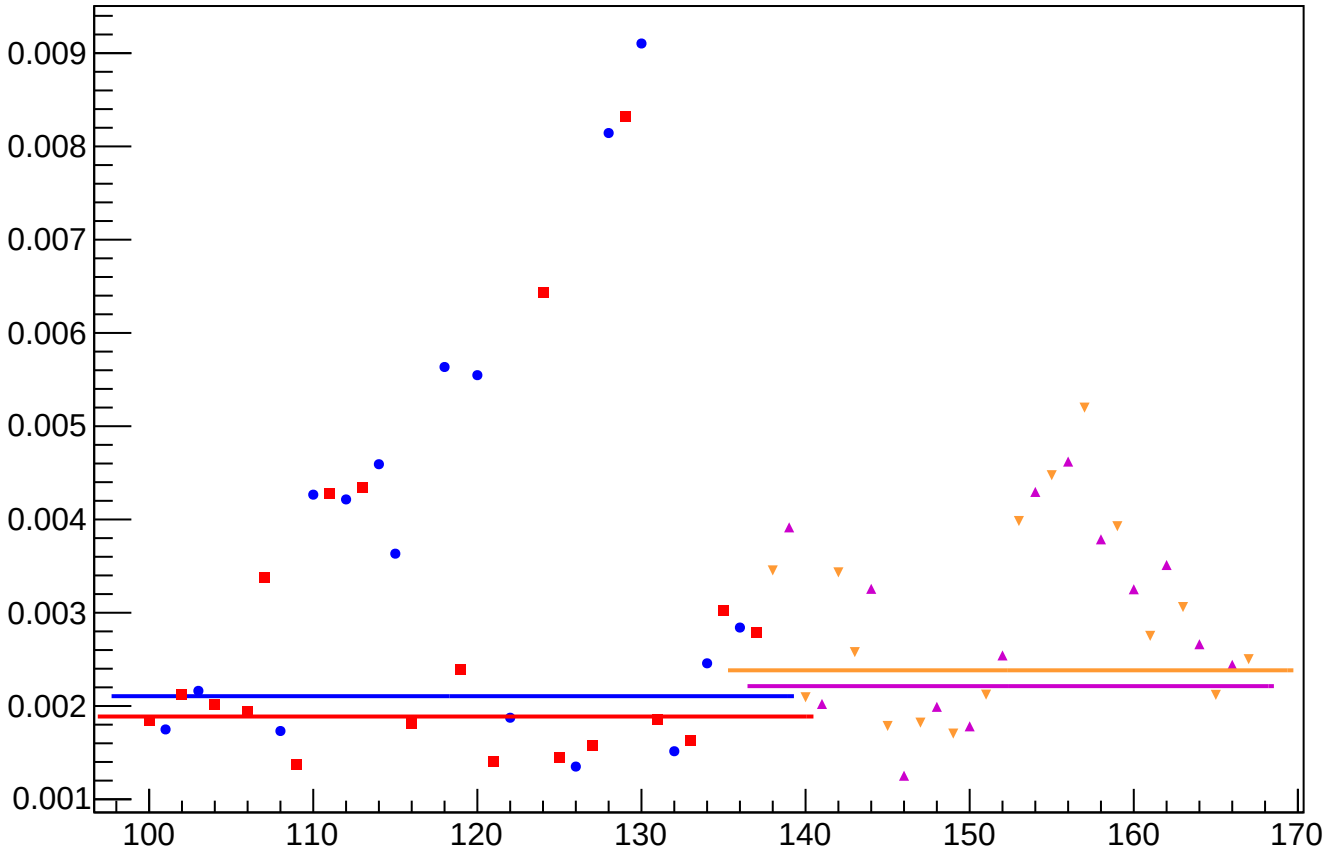
Left: -0.000+/-0.000 χ^2/NDF: 27.4/29

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:34.3/29

Out: -0.000+/-0.000 χ^2/NDF:35.8/34

All: -0.000+/-0.000 χ^2/NDF: 70.1/64



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2342400.4/15

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3219814.8/13

Left: 0.002+/-0.000 χ^2/NDF: 5618477.7/29

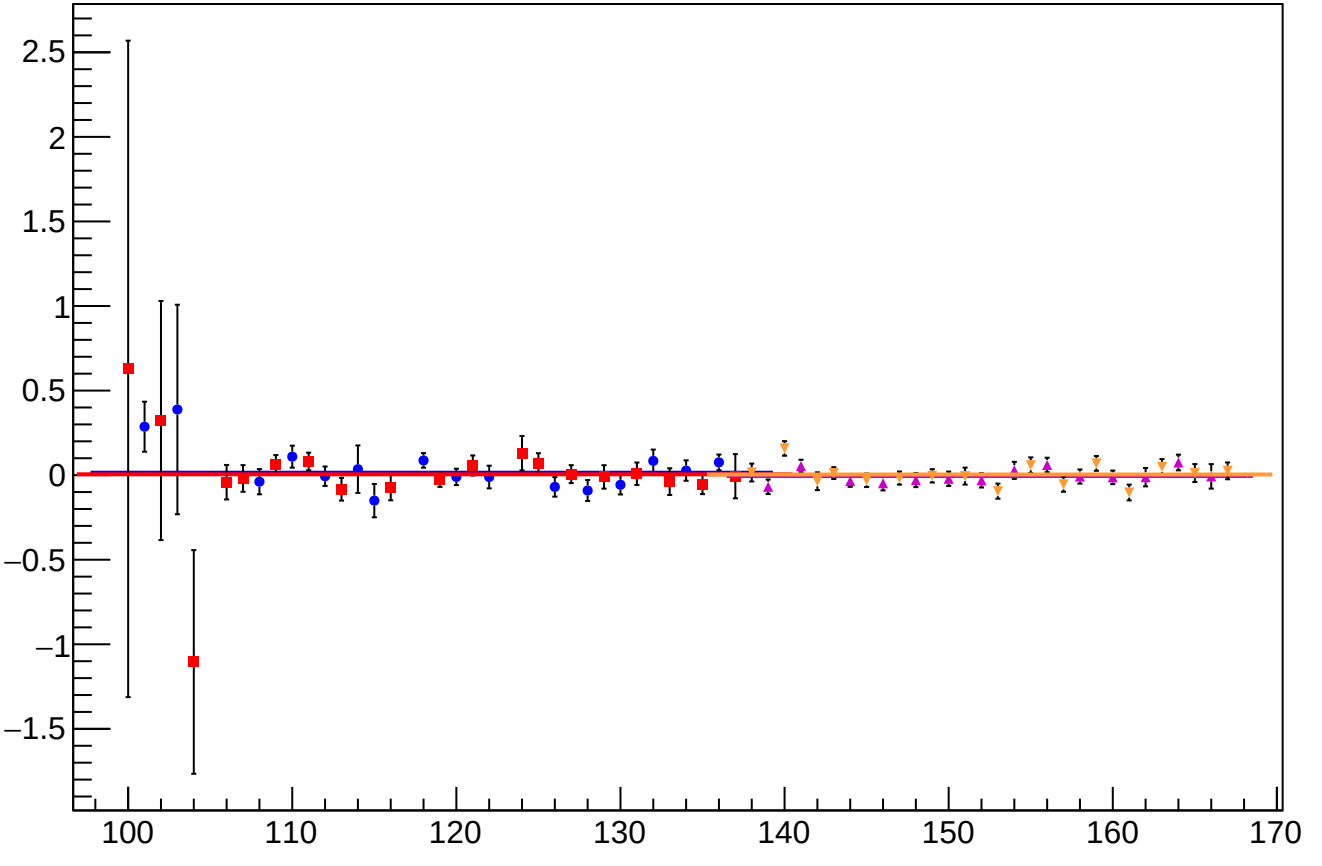
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6255068.6/29

Out: 0.002+/-0.000 χ^2/NDF:4666587.7/34

All: 0.002+/-0.000 χ^2/NDF: 10922176.3/64

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.011 χ^2/NDF:31.3/15

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/13

Left: -0.000+/-0.008 χ^2/NDF: 44.8/29

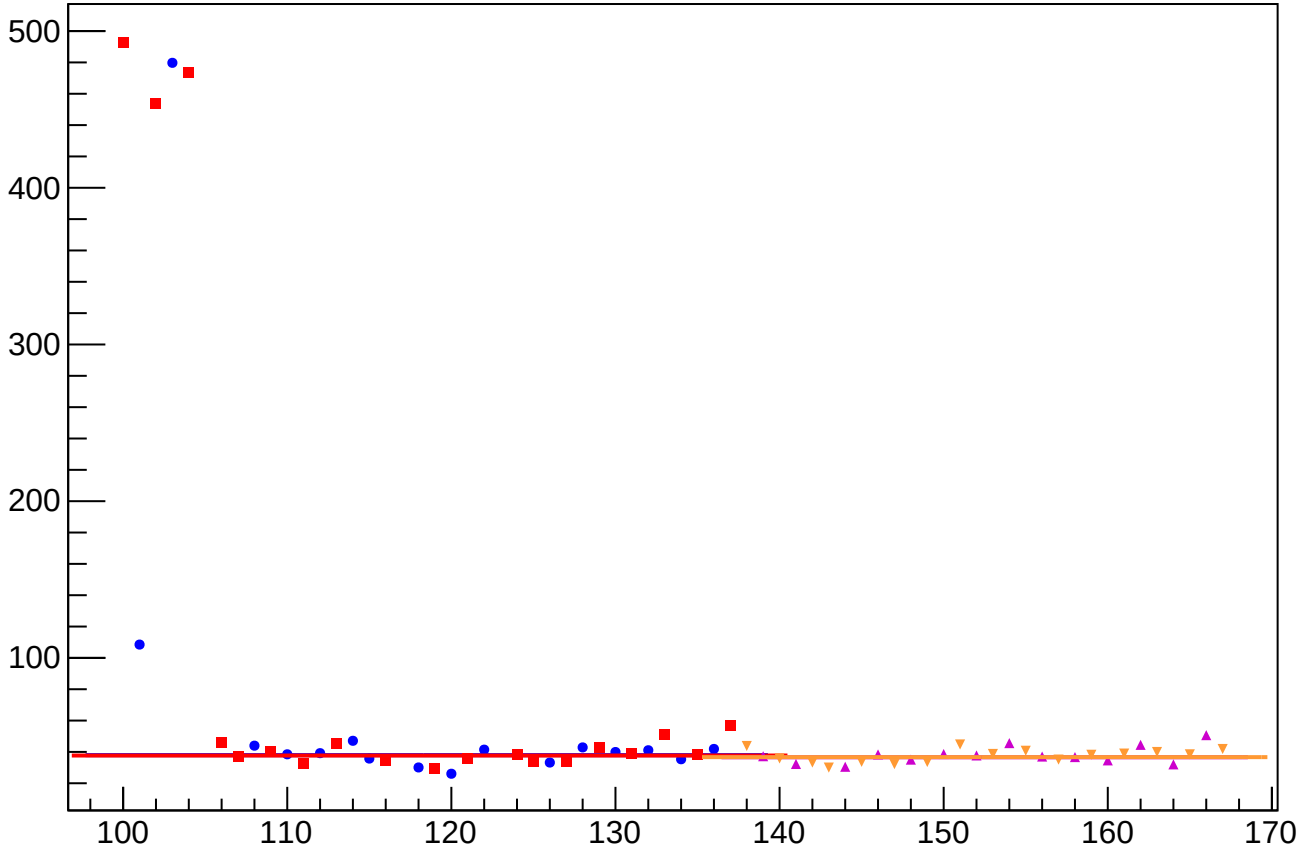
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/29

Out: 0.004+/-0.009 χ^2/NDF:46.2/34

All: 0.003+/-0.007 χ^2/NDF: 82.4/64

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.663+/-0.008 χ^2/NDF:283482.7/15

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.586+/-0.008 χ^2/NDF:308083.6/13

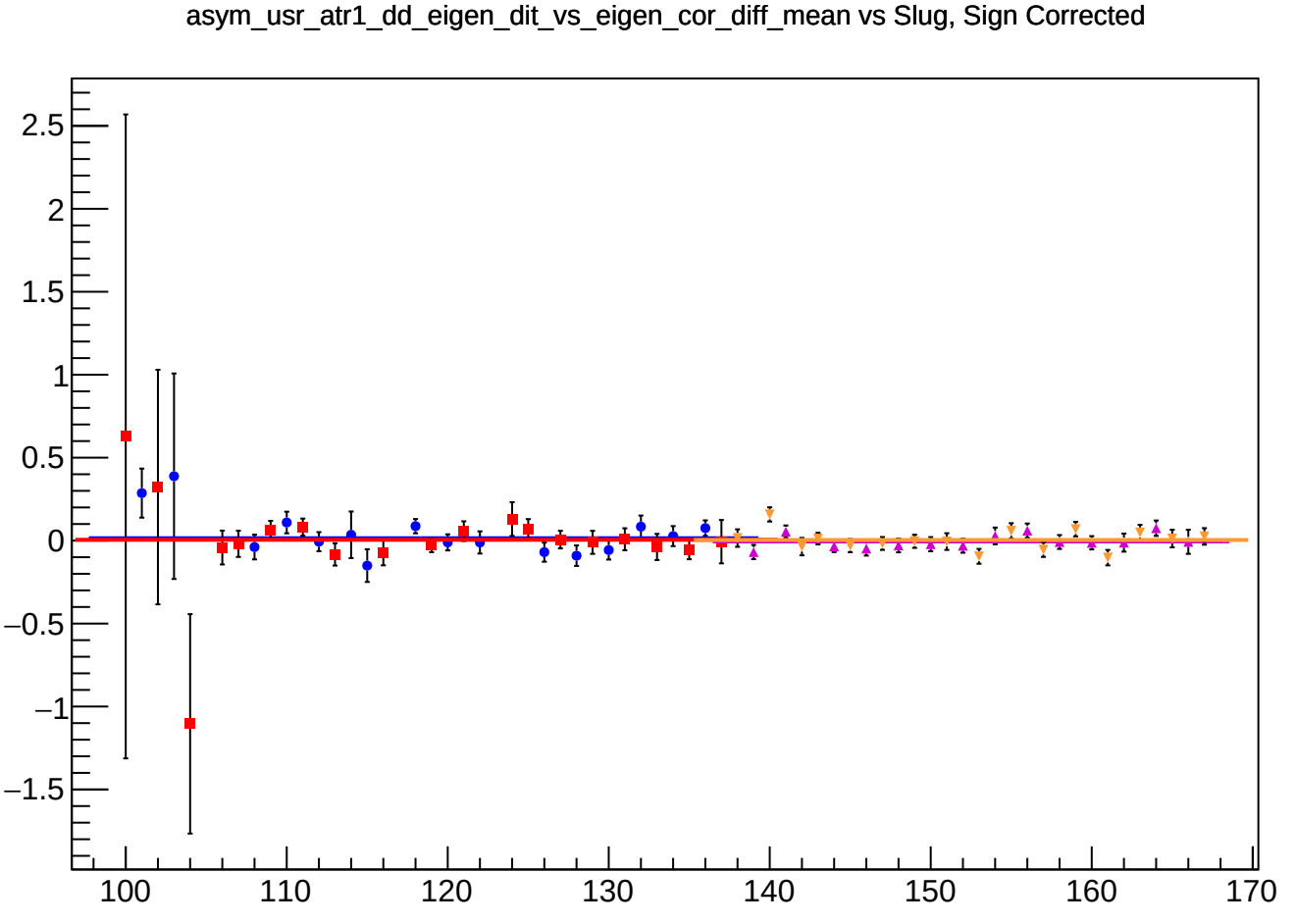
Left: 36.626+/-0.006 χ^2/NDF: 591612.9/29

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

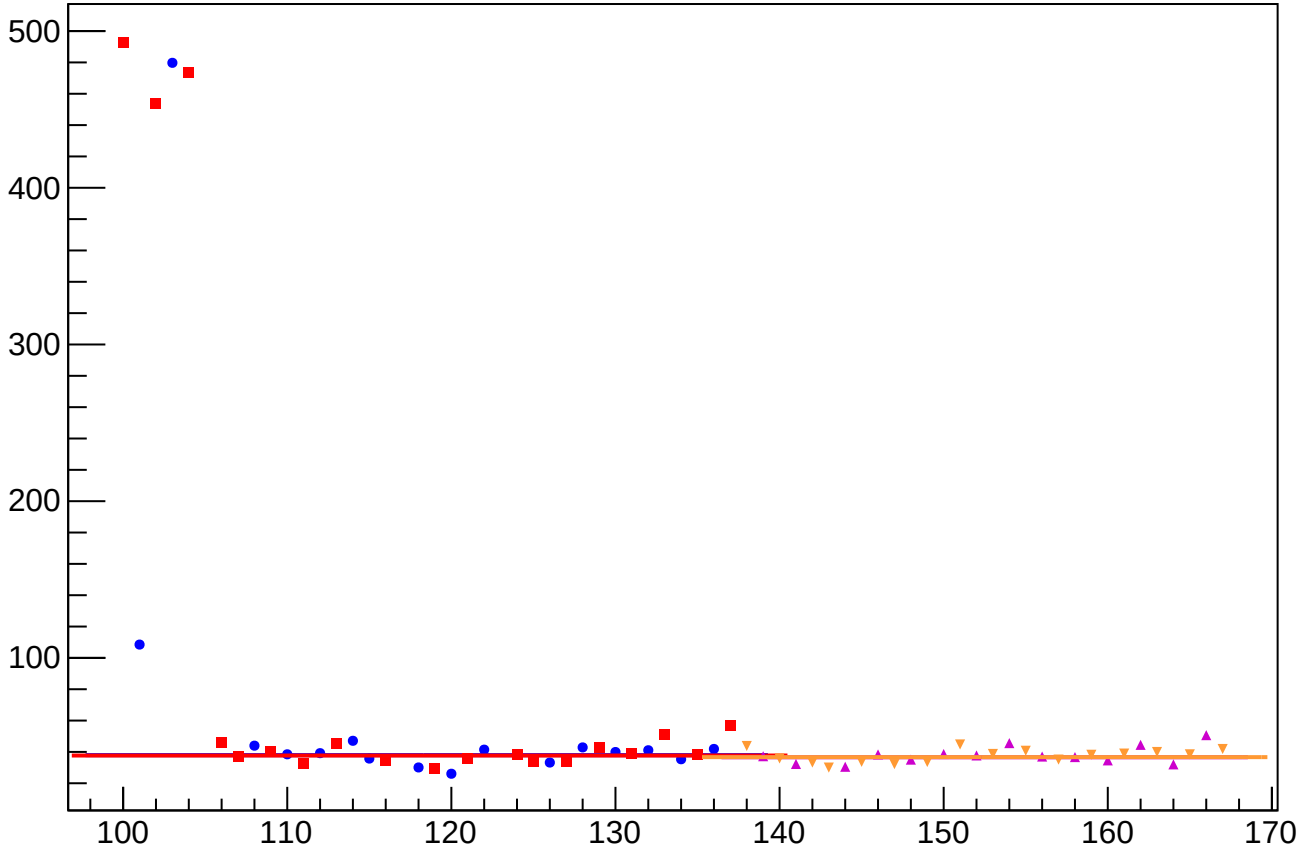
In: 37.054+/-0.007 χ^2/NDF:2057251.4/29

Out: 36.997+/-0.006 χ^2/NDF:2234026.0/34

All: 37.025+/-0.005 χ^2/NDF: 4291314.8/64


asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.004+/-0.011 χ²/NDF:31.3/15
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: -0.005+/-0.012 χ²/NDF:13.1/13
Left: -0.000+/-0.008 χ²/NDF: 44.8/29
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: 0.002+/-0.009 χ²/NDF:36.1/29
Out: 0.004+/-0.009 χ²/NDF:46.2/34
All: 0.003+/-0.007 χ²/NDF: 82.4/64

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.663+/-0.008 χ^2/NDF:283482.7/15

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.586+/-0.008 χ^2/NDF:308083.6/13

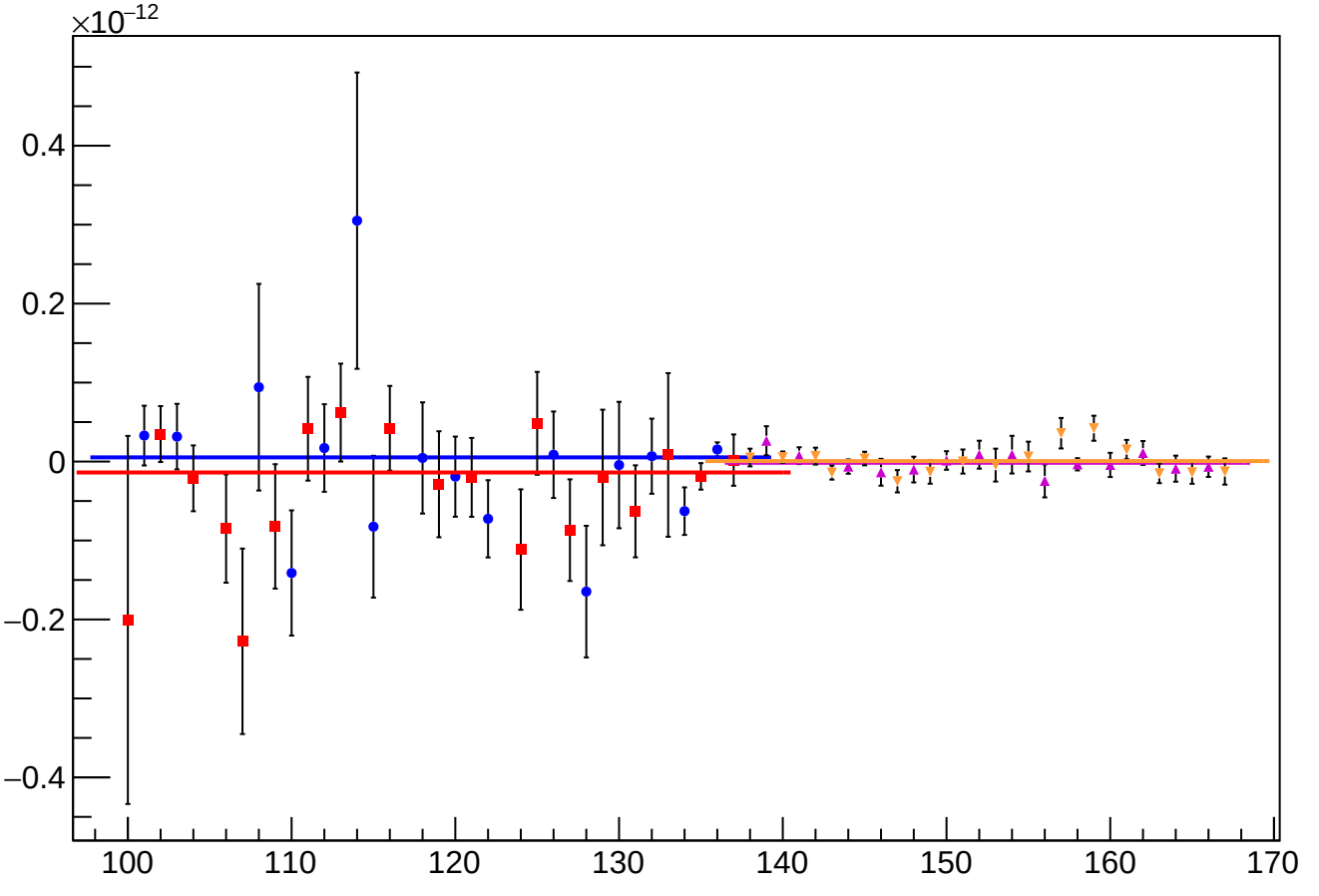
Left: 36.626+/-0.006 χ^2/NDF: 591612.9/29

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.054+/-0.007 χ^2/NDF:2057251.4/29

Out: 36.997+/-0.006 χ^2/NDF:2234026.0/34

All: 37.025+/-0.005 χ^2/NDF: 4291314.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/13

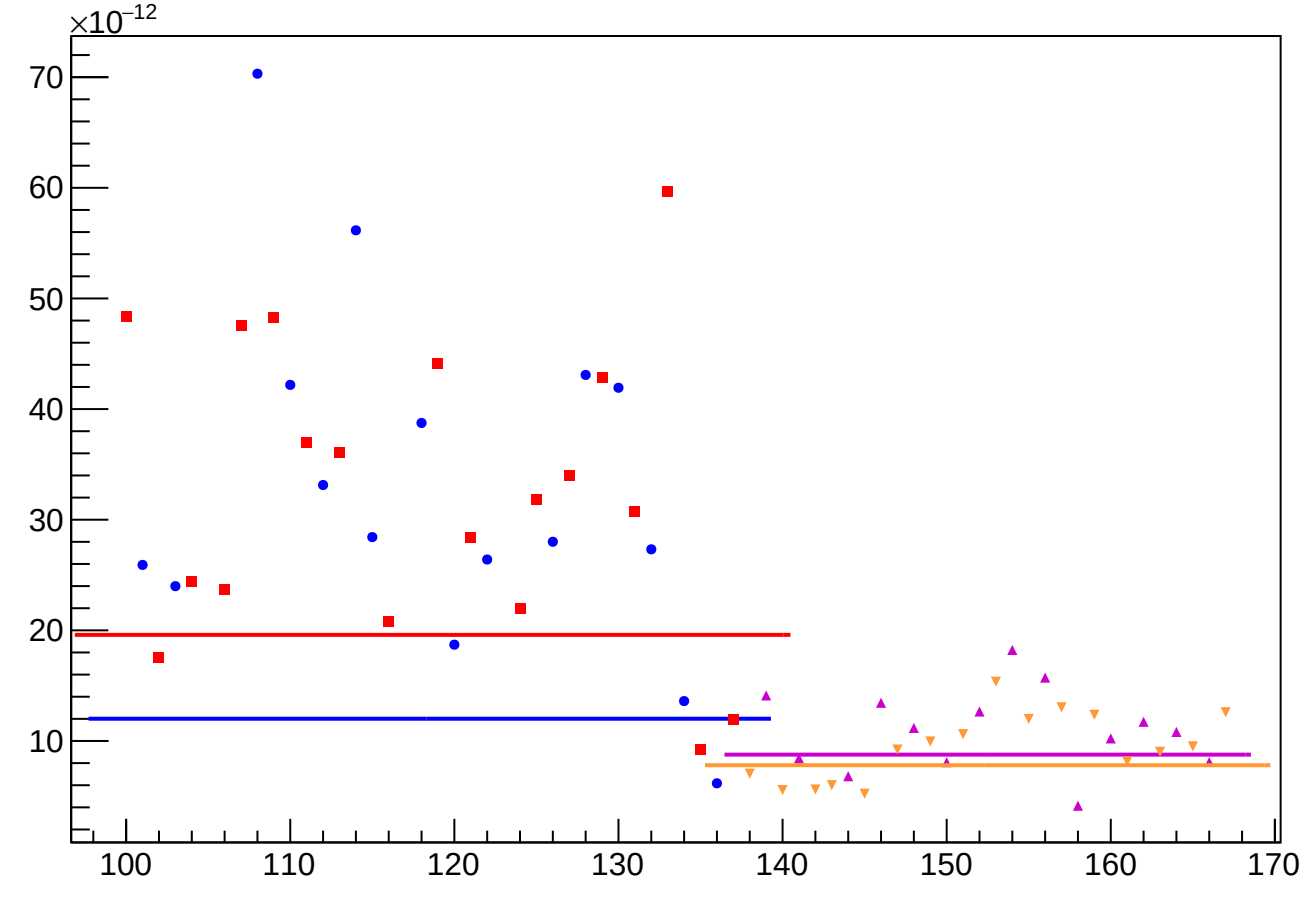
Left: -0.000+/-0.000 χ^2/NDF: 30.1/29

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:29.3/29

Out: -0.000+/-0.000 χ^2/NDF:40.6/34

All: -0.000+/-0.000 χ^2/NDF: 69.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1565366.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1944740.4/13

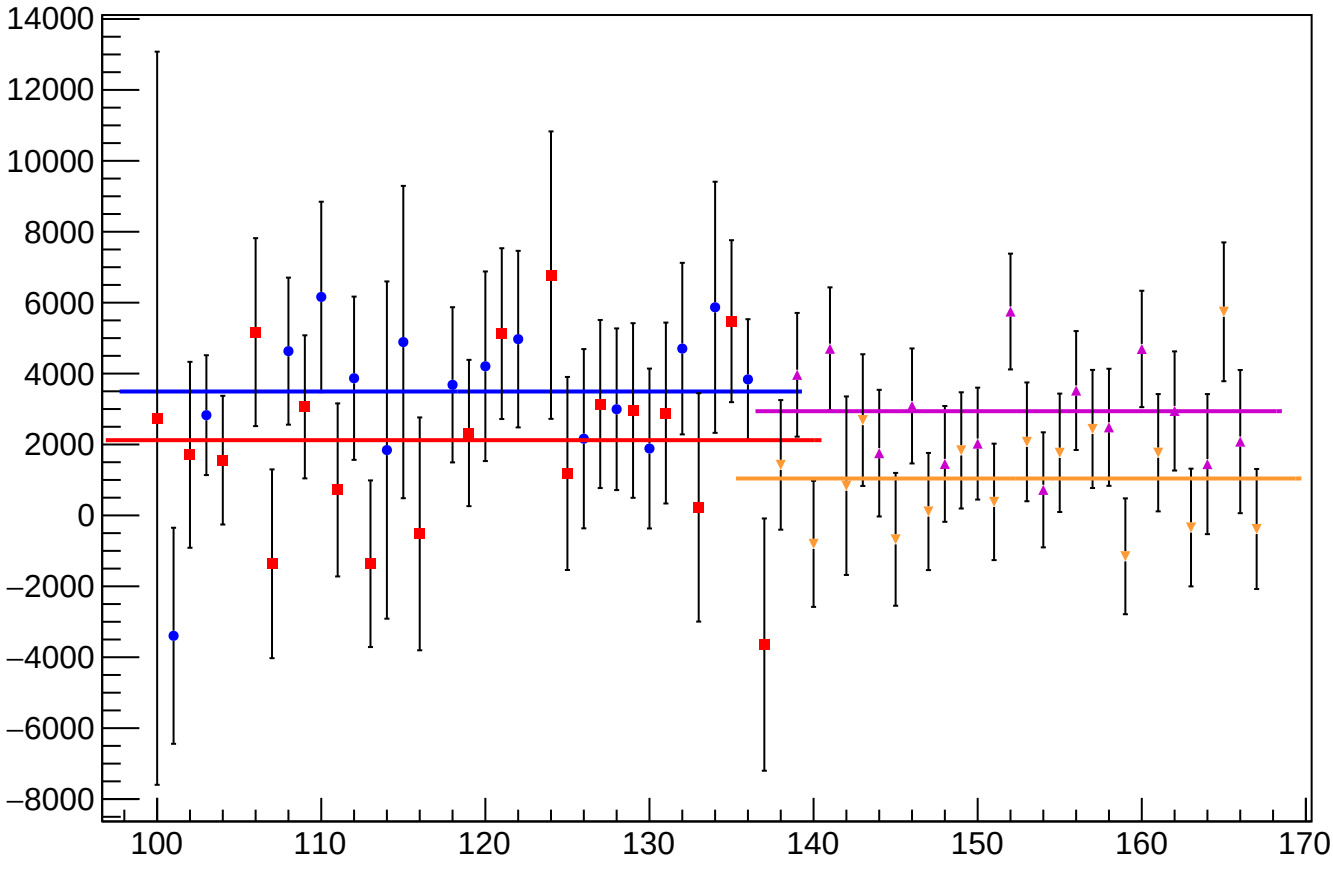
Left: 0.000+/-0.000 χ^2/NDF: 3594897.5/29

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6117067.9/29

Out: 0.000+/-0.000 χ^2/NDF:6485508.5/34

All: 0.000+/-0.000 χ^2/NDF: 12646408.4/64



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1041.038+/-436.591 χ^2/NDF:13.9/15

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2938.990+/-454.712 χ^2/NDF:9.9/13

Left: 1951.442+/-314.928 χ^2/NDF: 32.9/29

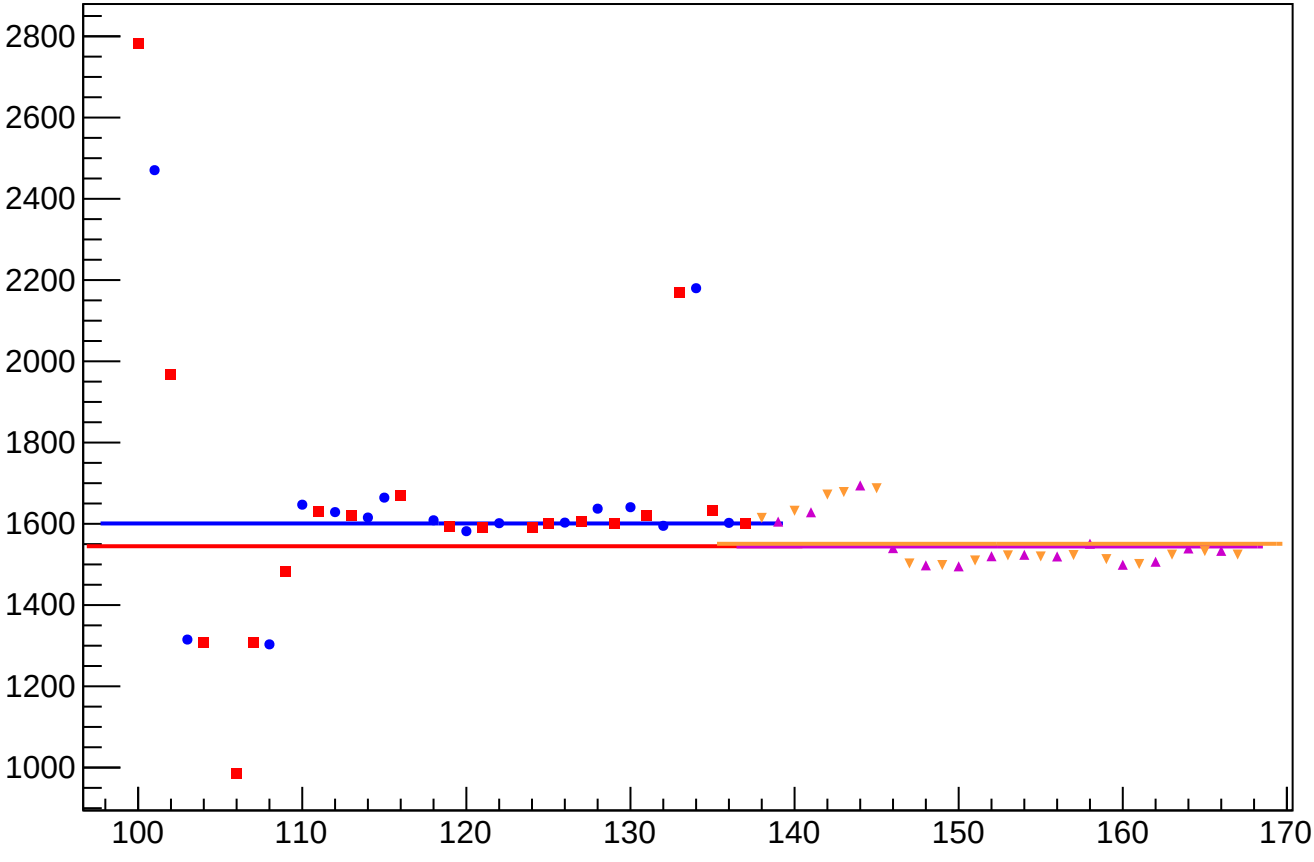
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3141.096+/-362.660 χ^2/NDF:19.3/29

Out: 1425.416+/-350.449 χ^2/NDF:31.2/34

All: 2253.887+/-252.011 χ^2/NDF: 62.0/64

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1550.810+/-0.309 χ^2/NDF:42195.2/15

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1544.230+/-0.322 χ^2/NDF:28681.1/13

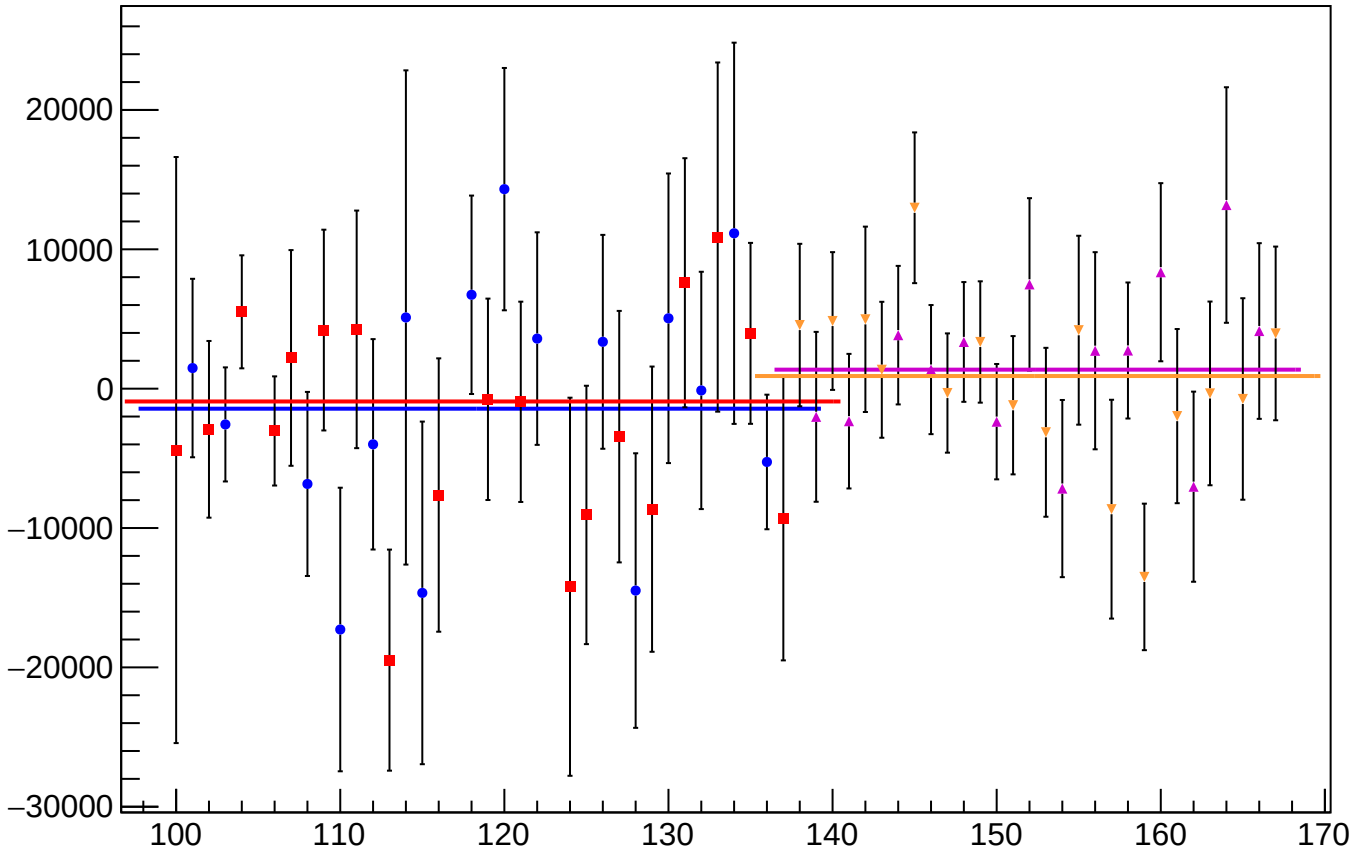
Left: 1547.654+/-0.223 χ^2/NDF: 71094.3/29

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1564.845+/-0.256 χ^2/NDF:357391.3/29

Out: 1548.629+/-0.246 χ^2/NDF:418460.0/34

All: 1556.411+/-0.178 χ^2/NDF: 777931.0/64



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 906.537+/-1397.459 χ^2/NDF:17.2/15

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 1364.611+/-1462.701 χ^2/NDF:9.9/13

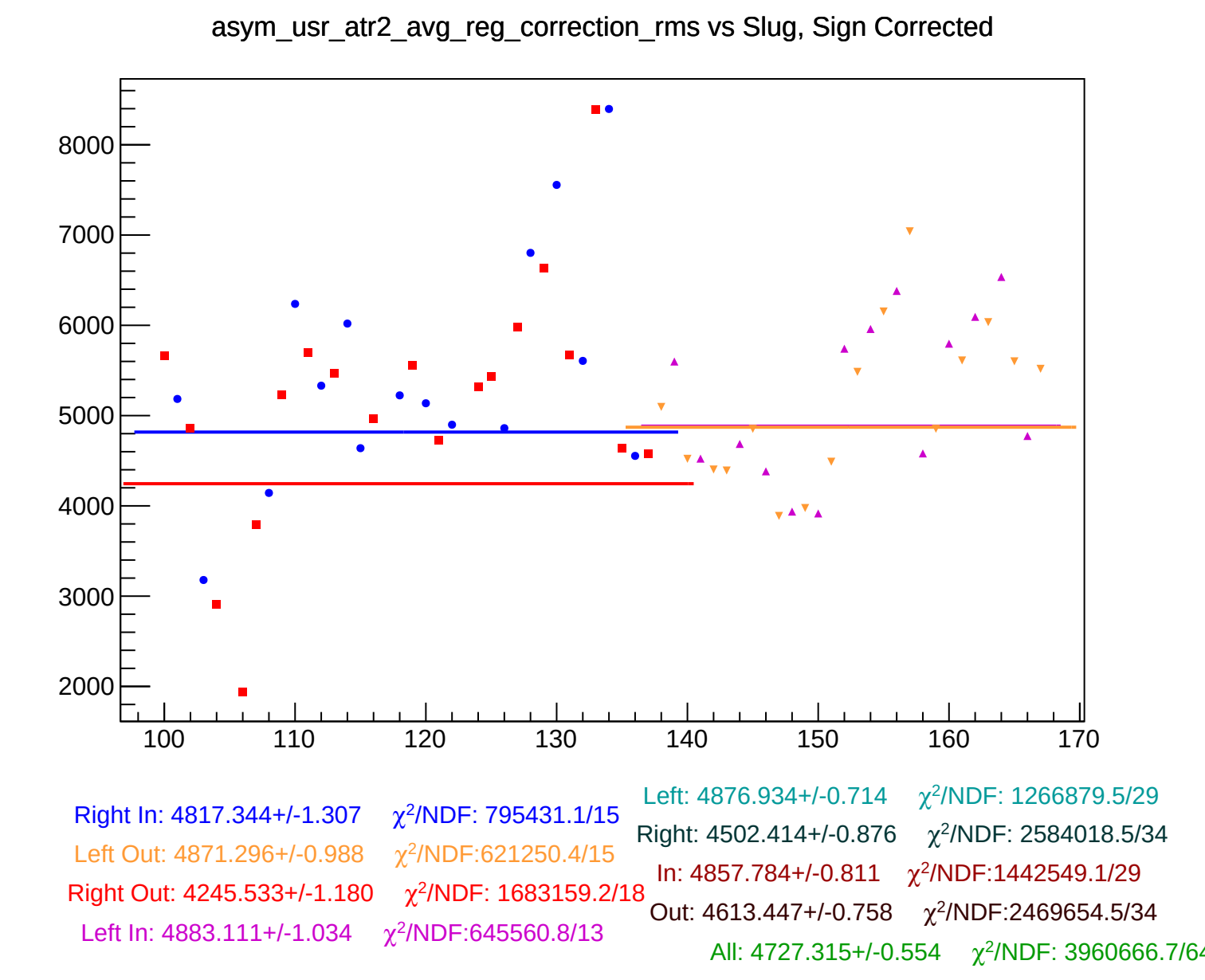
Left: 1125.131+/-1010.430 χ^2/NDF: 27.2/29

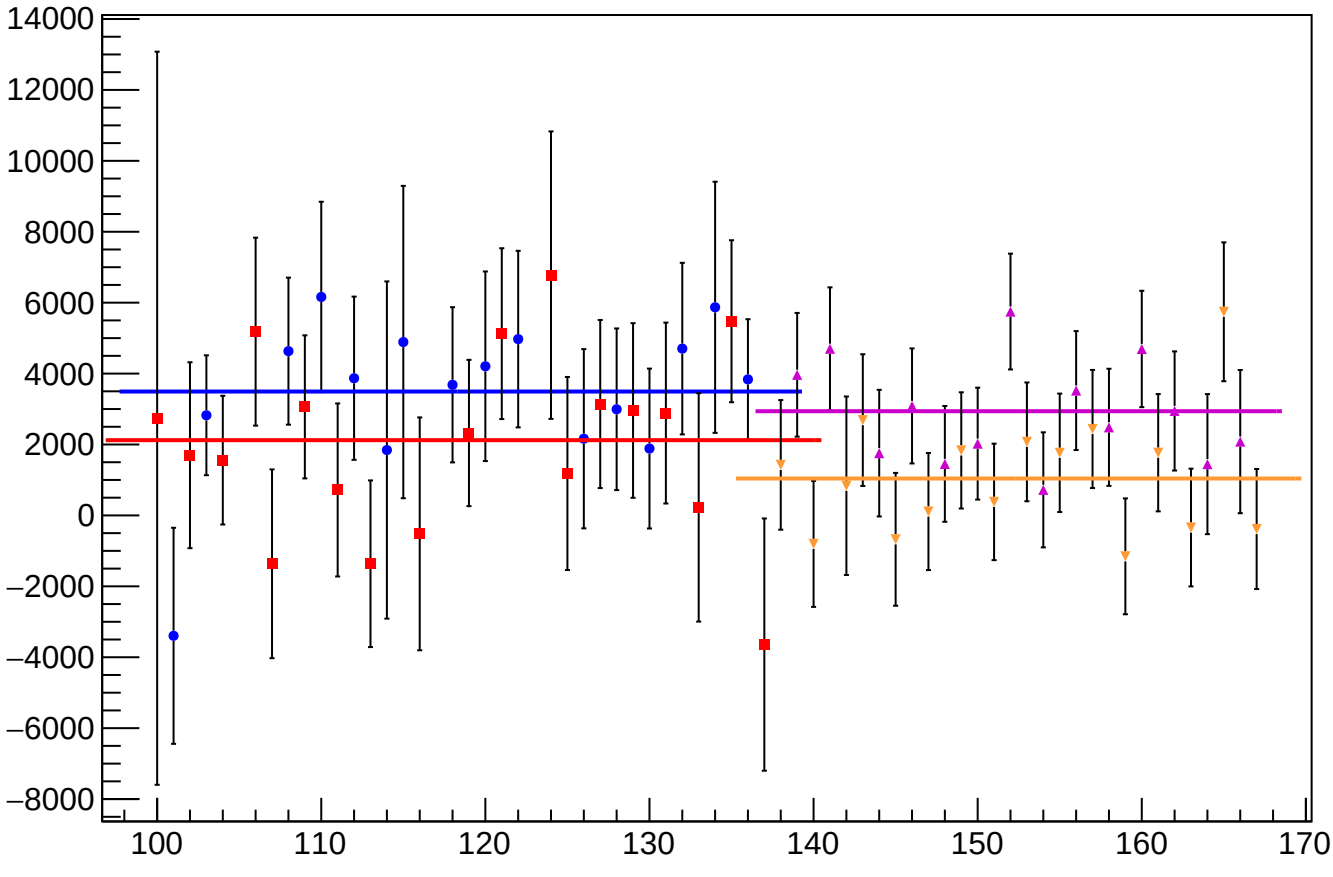
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: 285.661+/-1146.983 χ^2/NDF:25.2/29

Out: 154.525+/-1071.536 χ^2/NDF:33.2/34

All: 215.638+/-783.005 χ^2/NDF: 58.4/64


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 4871.296+/-0.988 χ²/NDF:621250.4/15
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 4883.111+/-1.034 χ²/NDF:645560.8/13
Left: 4876.934+/-0.714 χ²/NDF: 1266879.5/29
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4857.784+/-0.811 χ²/NDF:1442549.1/29
Out: 4613.447+/-0.758 χ²/NDF:2469654.5/34
All: 4727.315+/-0.554 χ²/NDF: 3960666.7/64



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1040.885+/-436.591 χ^2/NDF:13.9/15

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2938.995+/-454.712 χ^2/NDF:9.9/13

Left: 1951.365+/-314.928 χ^2/NDF: 32.9/29

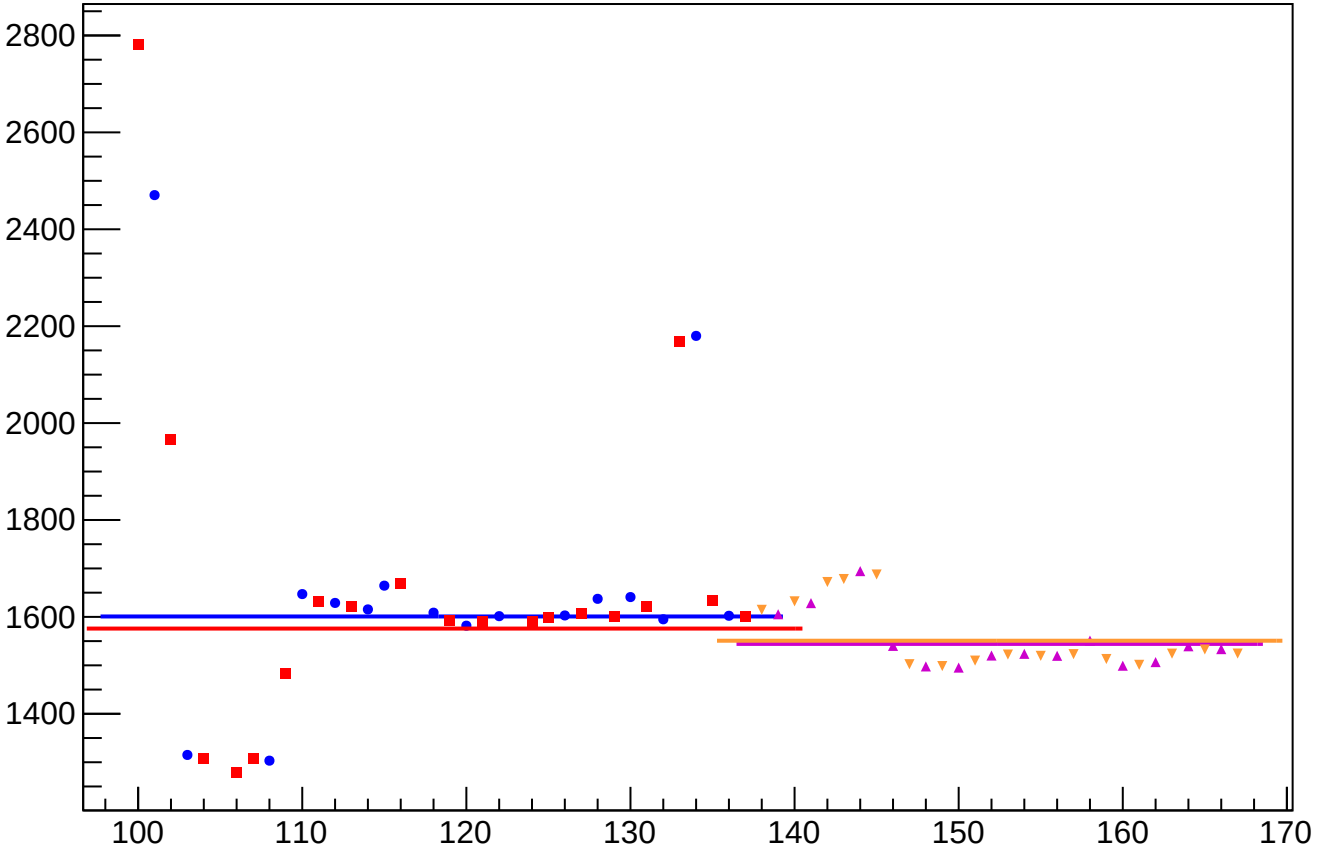
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3140.978+/-362.660 χ^2/NDF:19.3/29

Out: 1425.312+/-350.450 χ^2/NDF:31.2/34

All: 2253.777+/-252.011 χ^2/NDF: 62.0/64

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1550.810+/-0.309 χ^2/NDF:42195.2/15

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1544.230+/-0.322 χ^2/NDF:28681.1/13

Left: 1547.654+/-0.223 χ^2/NDF: 71094.3/29

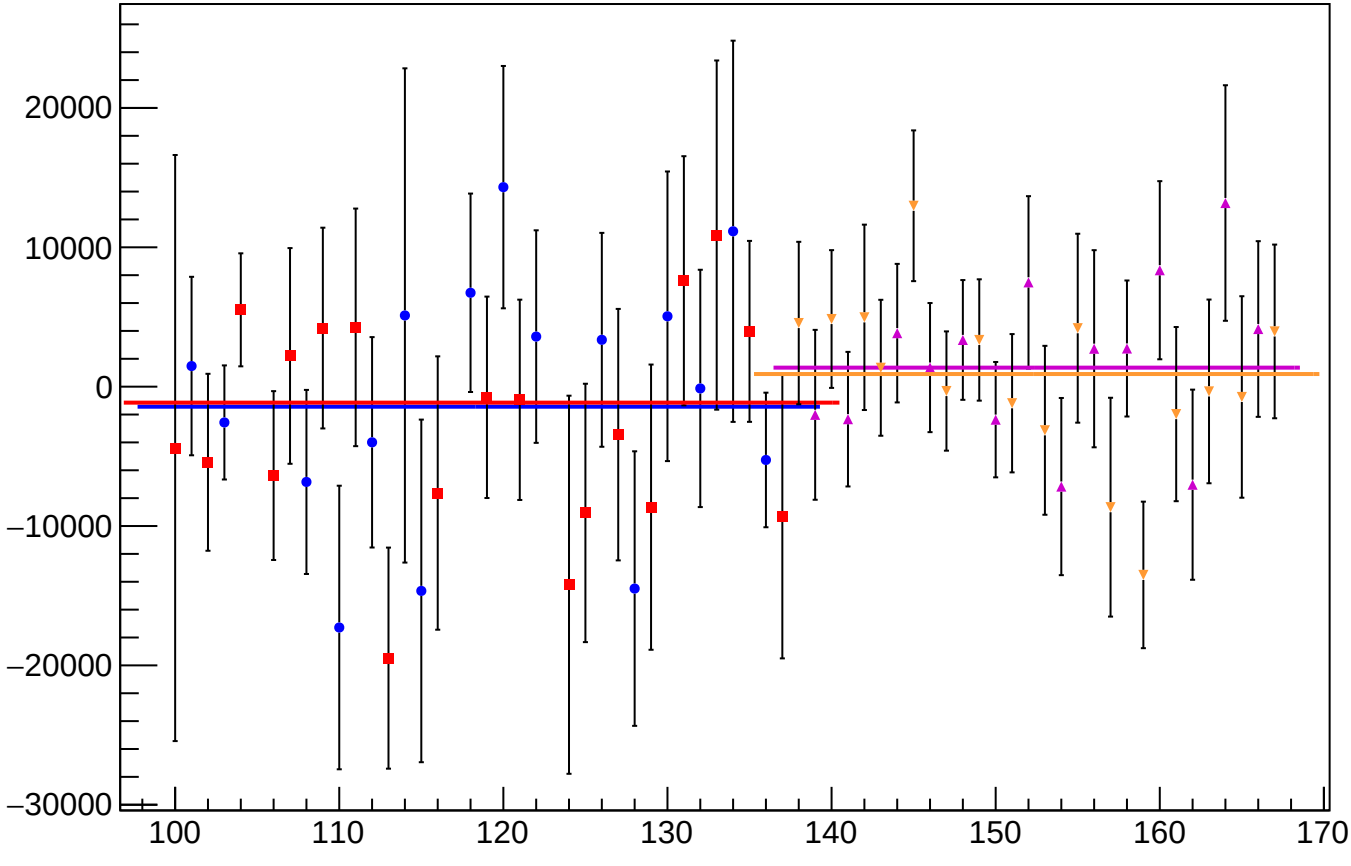
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1564.845+/-0.256 χ^2/NDF:357390.5/29

Out: 1559.780+/-0.247 χ^2/NDF:287888.4/34

All: 1562.222+/-0.178 χ^2/NDF: 645481.0/64

asym_usr_atr2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 906.508+/-1397.456 χ^2/NDF:17.2/15

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1364.708+/-1462.701 χ^2/NDF:9.9/13

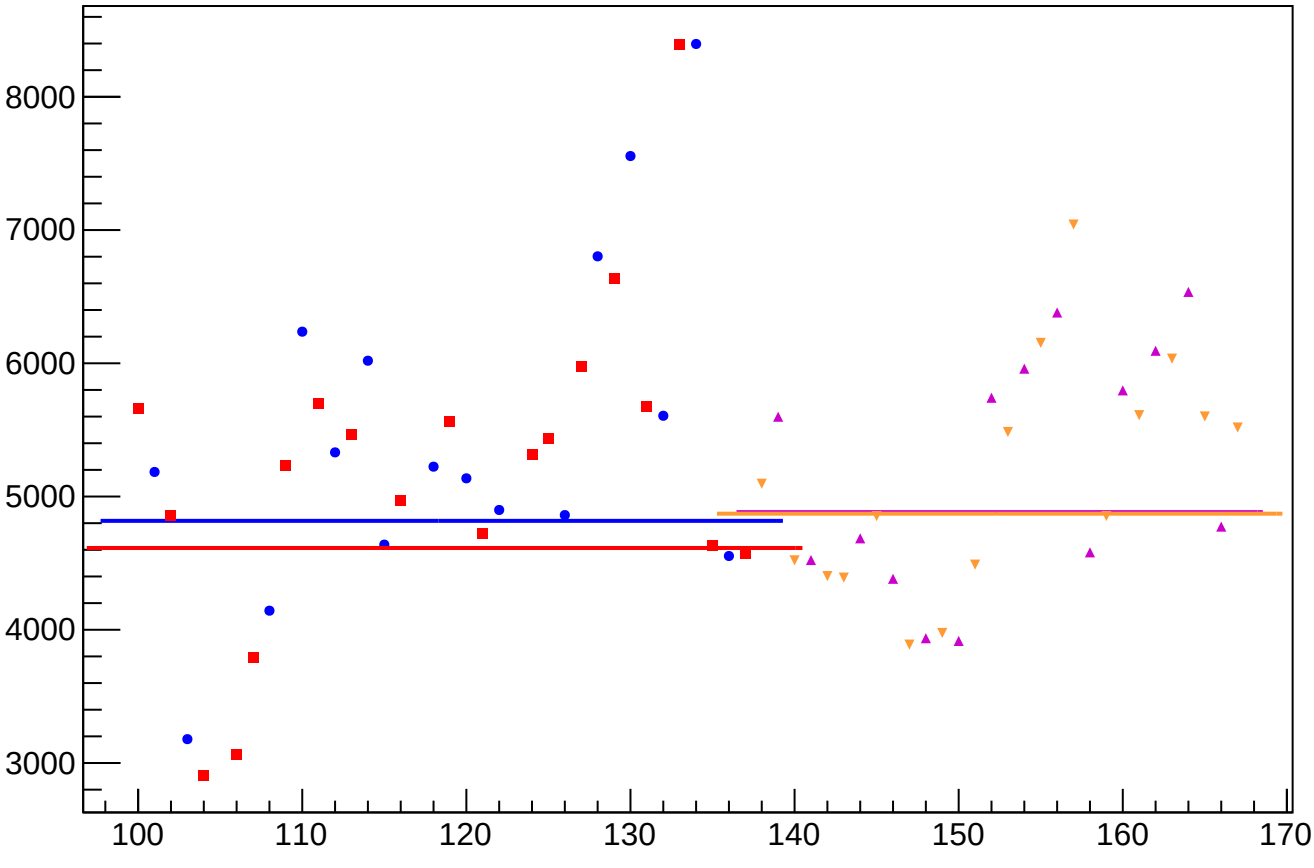
Left: 1125.161+/-1010.429 χ^2/NDF: 27.2/29

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 285.653+/-1146.992 χ^2/NDF:25.2/29

Out: 115.764+/-1095.712 χ^2/NDF:34.3/34

All: 196.826+/-792.294 χ^2/NDF: 59.5/64



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4871.285+/-0.988 χ^2/NDF:621257.2/15

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4883.111+/-1.034 χ^2/NDF:645562.9/13

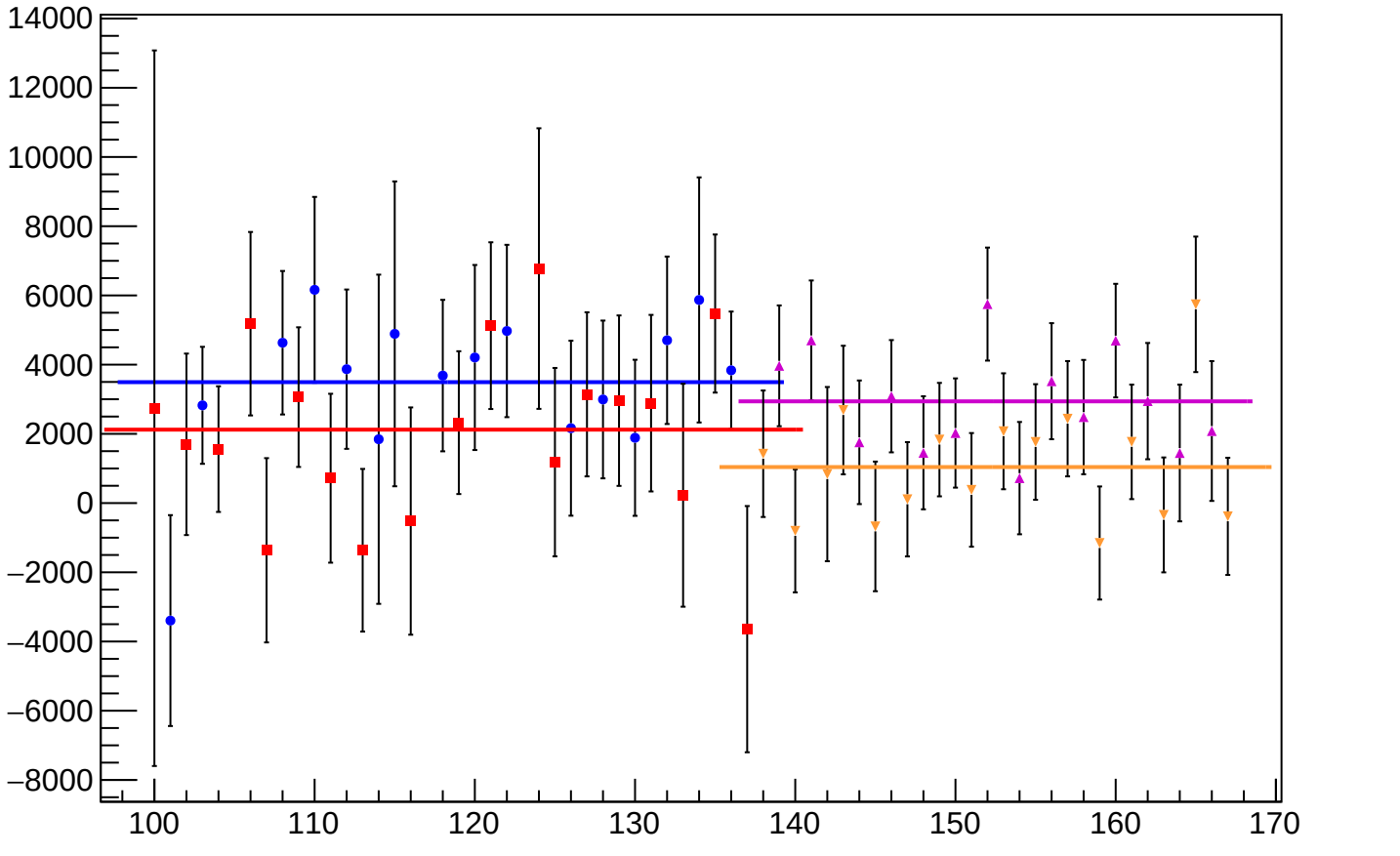
Left: 4876.928+/-0.714 χ^2/NDF: 1266888.5/29

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4857.837+/-0.811 χ^2/NDF:1442346.8/29

Out: 4772.115+/-0.775 χ^2/NDF:1625361.2/34

All: 4813.017+/-0.560 χ^2/NDF: 3073548.8/64



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1040.885+/-436.591 χ^2/NDF:13.9/15

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2938.995+/-454.712 χ^2/NDF:9.9/13

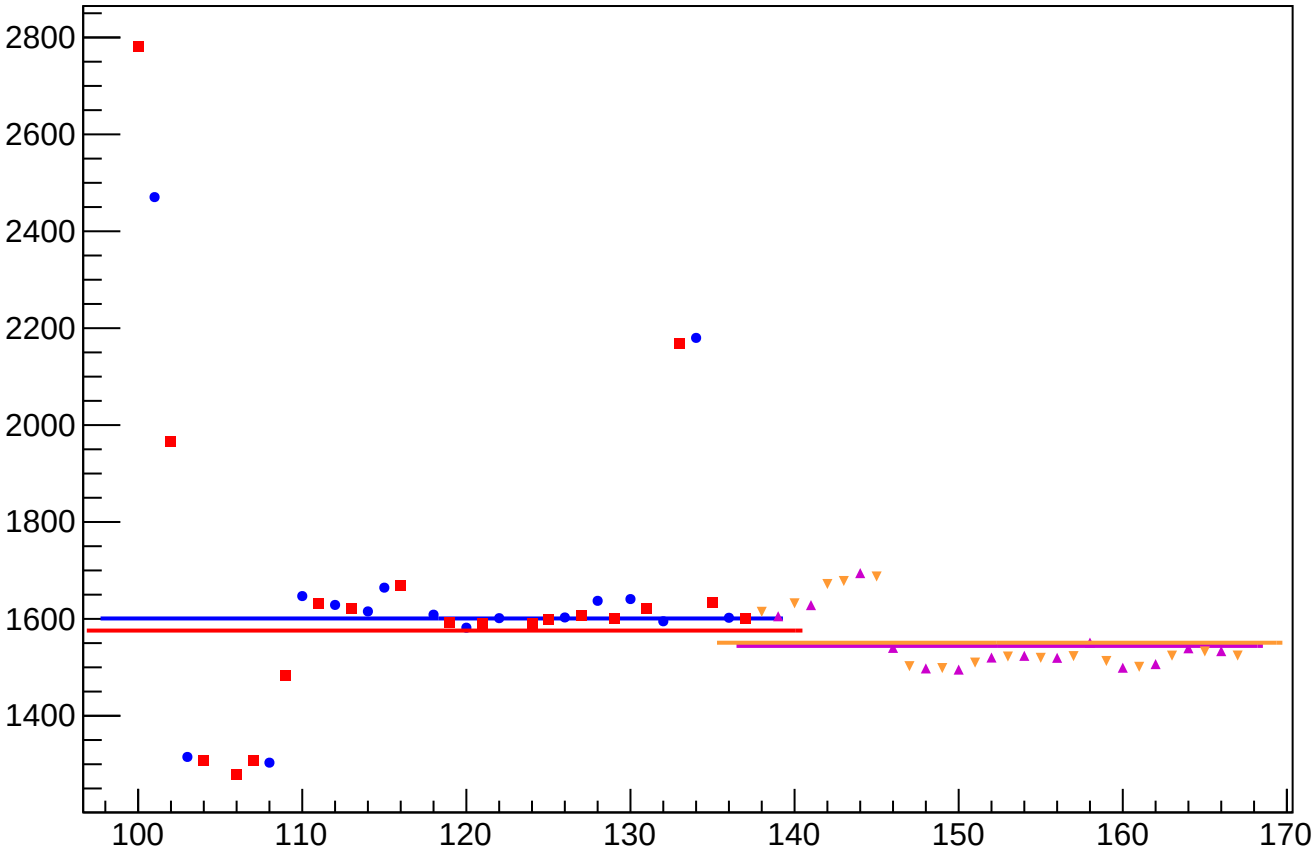
Left: 1951.365+/-314.928 χ^2/NDF: 32.9/29

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3140.978+/-362.660 χ^2/NDF:19.3/29

Out: 1425.312+/-350.450 χ^2/NDF:31.2/34

All: 2253.777+/-252.011 χ^2/NDF: 62.0/64



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1550.810+/-0.309 χ^2/NDF:42195.2/15

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1544.230+/-0.322 χ^2/NDF:28681.1/13

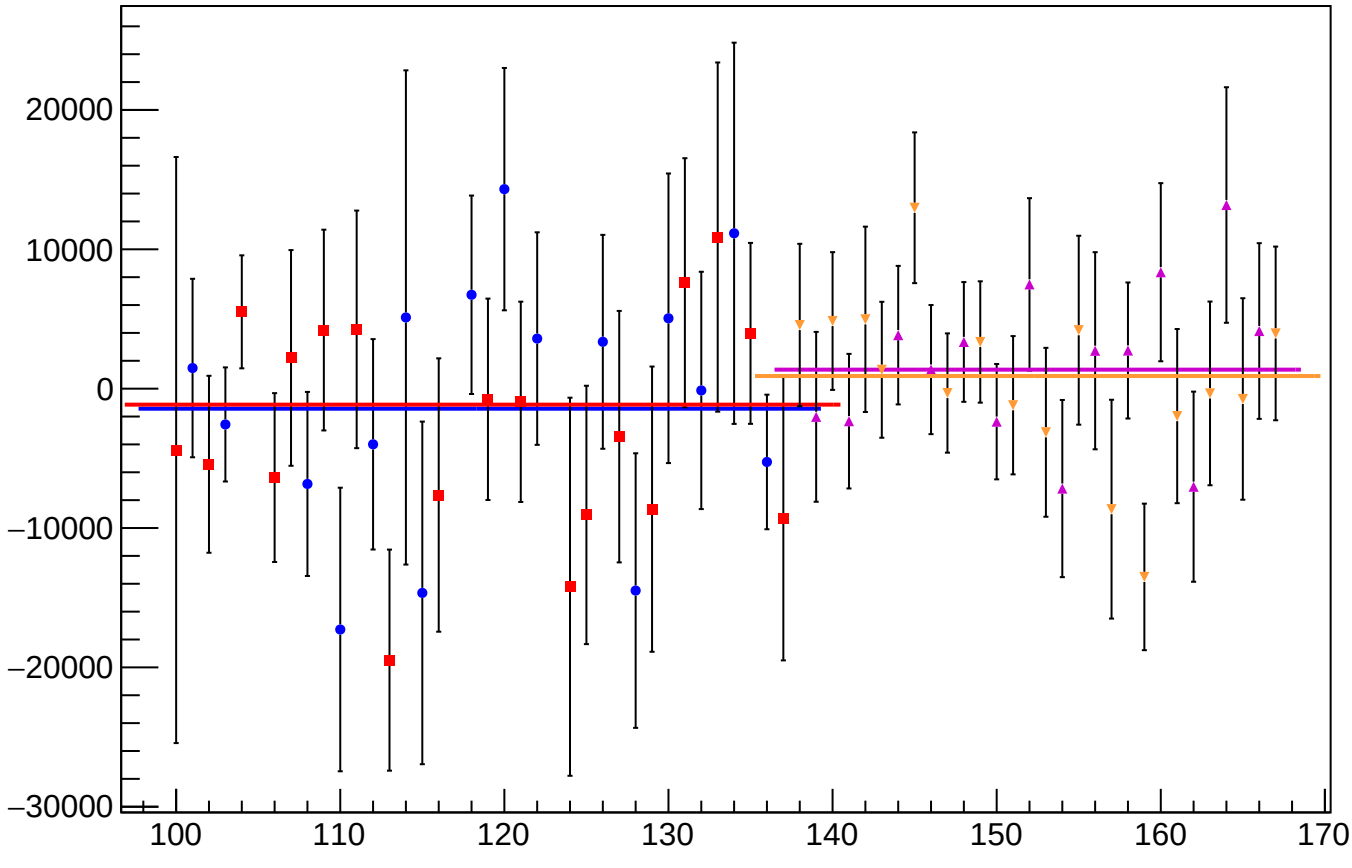
Left: 1547.654+/-0.223 χ^2/NDF: 71094.3/29

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1564.845+/-0.256 χ^2/NDF:357390.5/29

Out: 1559.780+/-0.247 χ^2/NDF:287888.4/34

All: 1562.222+/-0.178 χ^2/NDF: 645481.0/64



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 906.508+/-1397.456 χ^2/NDF:17.2/15

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1364.708+/-1462.701 χ^2/NDF:9.9/13

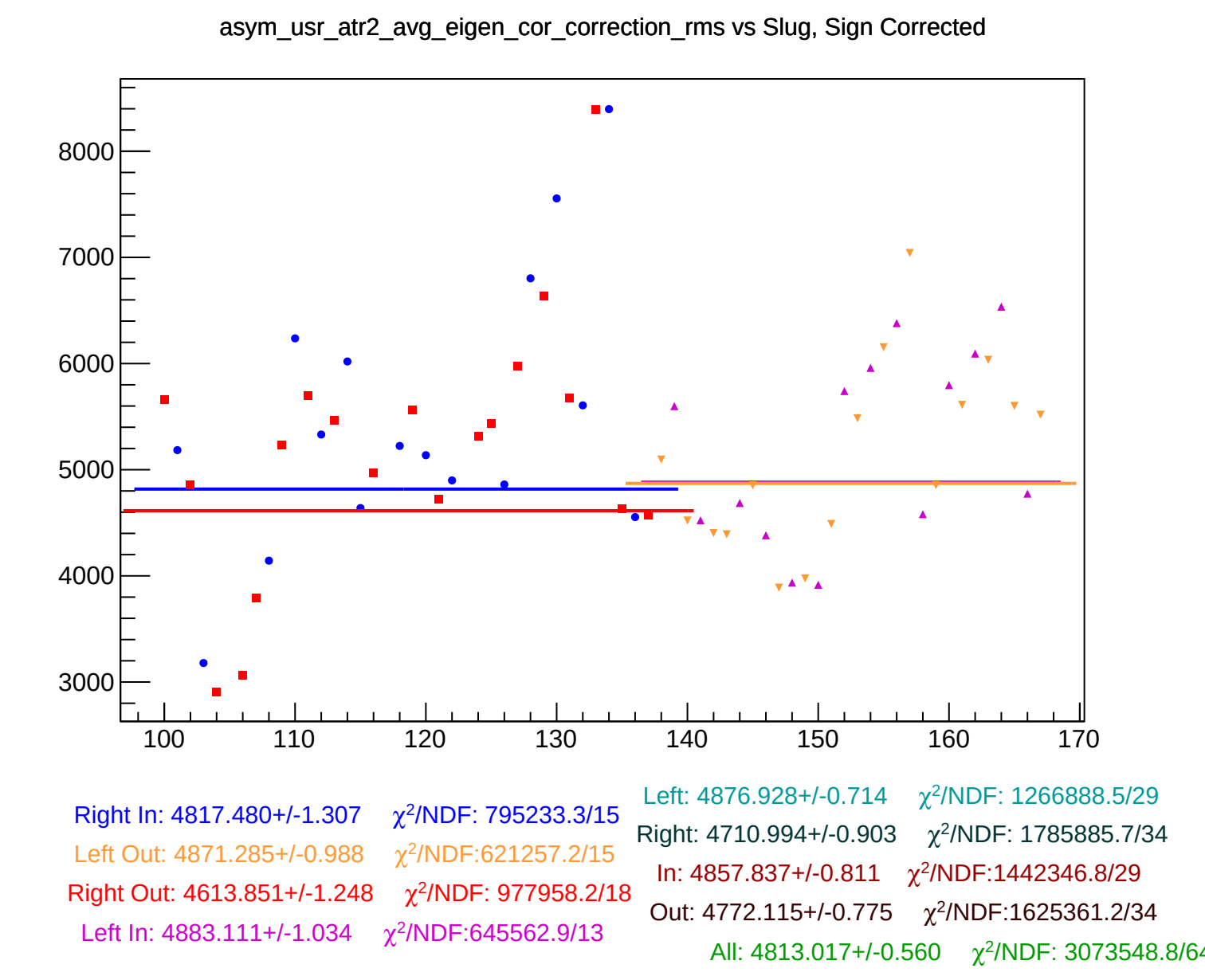
Left: 1125.161+/-1010.429 χ^2/NDF: 27.2/29

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 285.653+/-1146.992 χ^2/NDF:25.2/29

Out: 115.764+/-1095.712 χ^2/NDF:34.3/34

All: 196.826+/-792.294 χ^2/NDF: 59.5/64


asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
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3000
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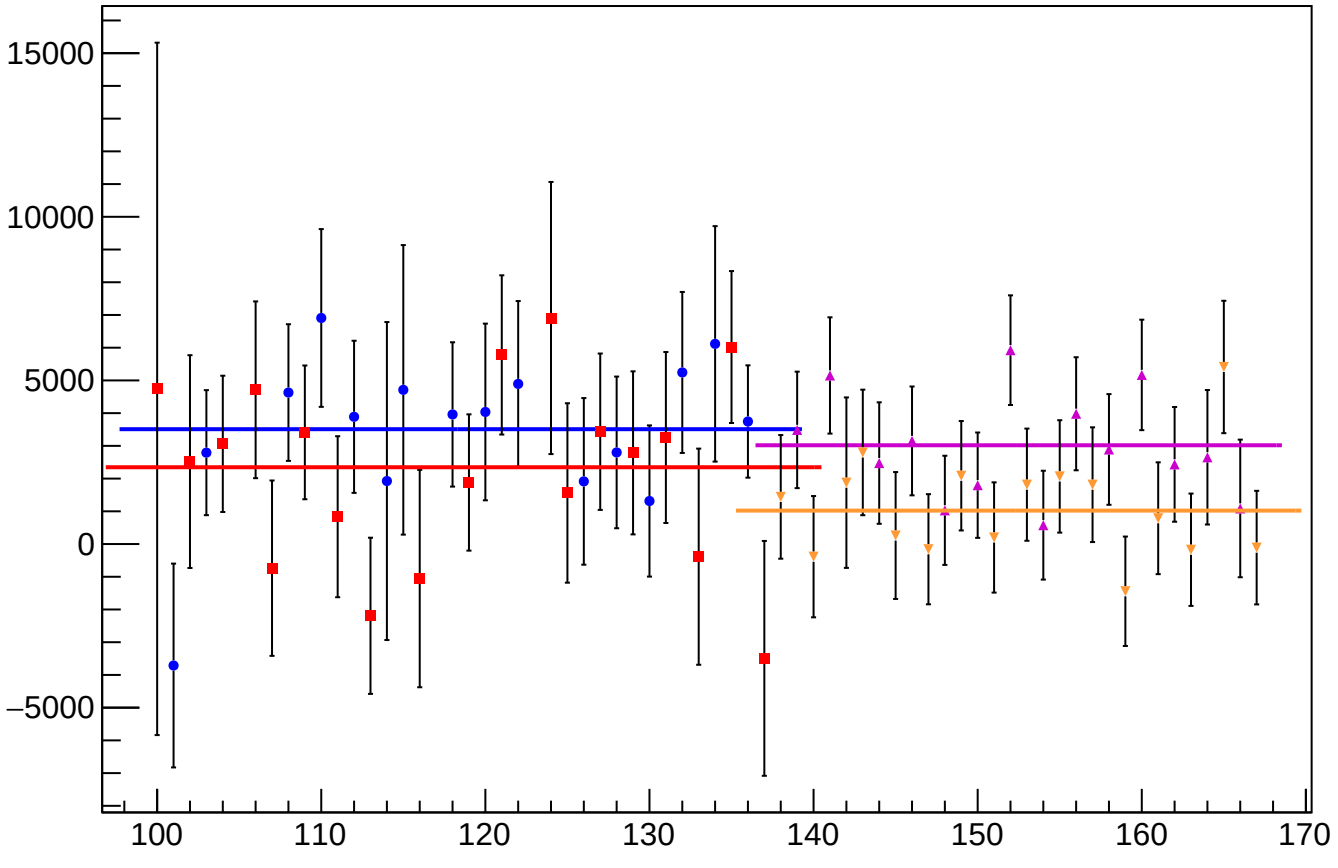
120
130
140
150
160
170
Right In: 4817.480+/-1.307 χ²/NDF: 795233.3/15
Left Out: 4871.285+/-0.988 χ²/NDF:621257.2/15
Right Out: 4613.851+/-1.248 χ²/NDF: 977958.2/18
Left In: 4883.111+/-1.034 χ²/NDF:645562.9/13
Left: 4876.928+/-0.714 χ²/NDF: 1266888.5/29
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 4857.837+/-0.811 χ²/NDF:1442346.8/29
Out: 4772.115+/-0.775 χ²/NDF:1625361.2/34
All: 4813.017+/-0.560 χ²/NDF: 3073548.8/64



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1021.613+/-449.873 χ^2/NDF:11.5/15

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3018.409+/-467.682 χ^2/NDF:11.7/13

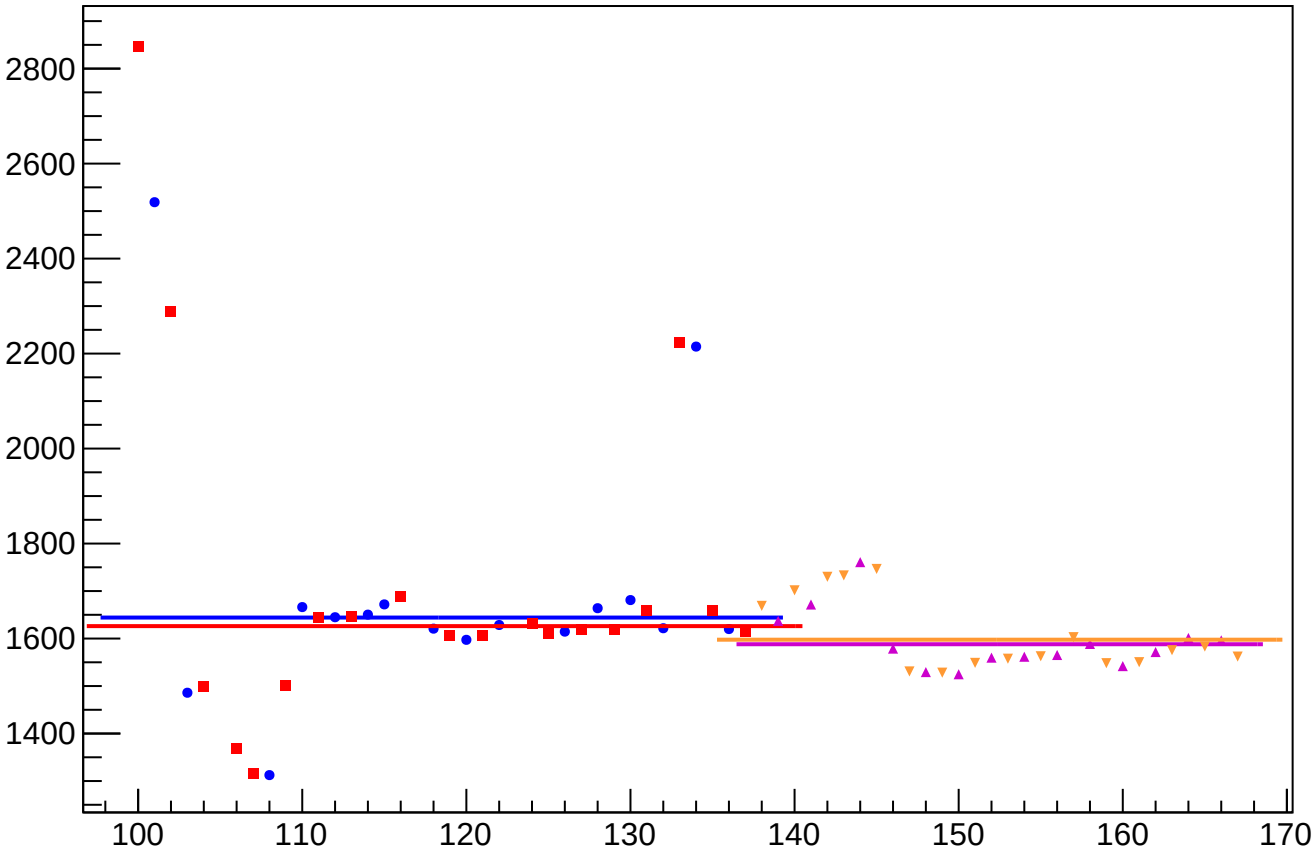
Left: 1981.271+/-324.221 χ^2/NDF: 32.6/29

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3197.712+/-372.650 χ^2/NDF:22.5/29

Out: 1490.969+/-361.535 χ^2/NDF:31.7/34

All: 2318.509+/-259.484 χ^2/NDF: 64.9/64



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1597.590+/-0.318 χ^2/NDF:50845.2/15

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1588.025+/-0.331 χ^2/NDF:32115.3/13

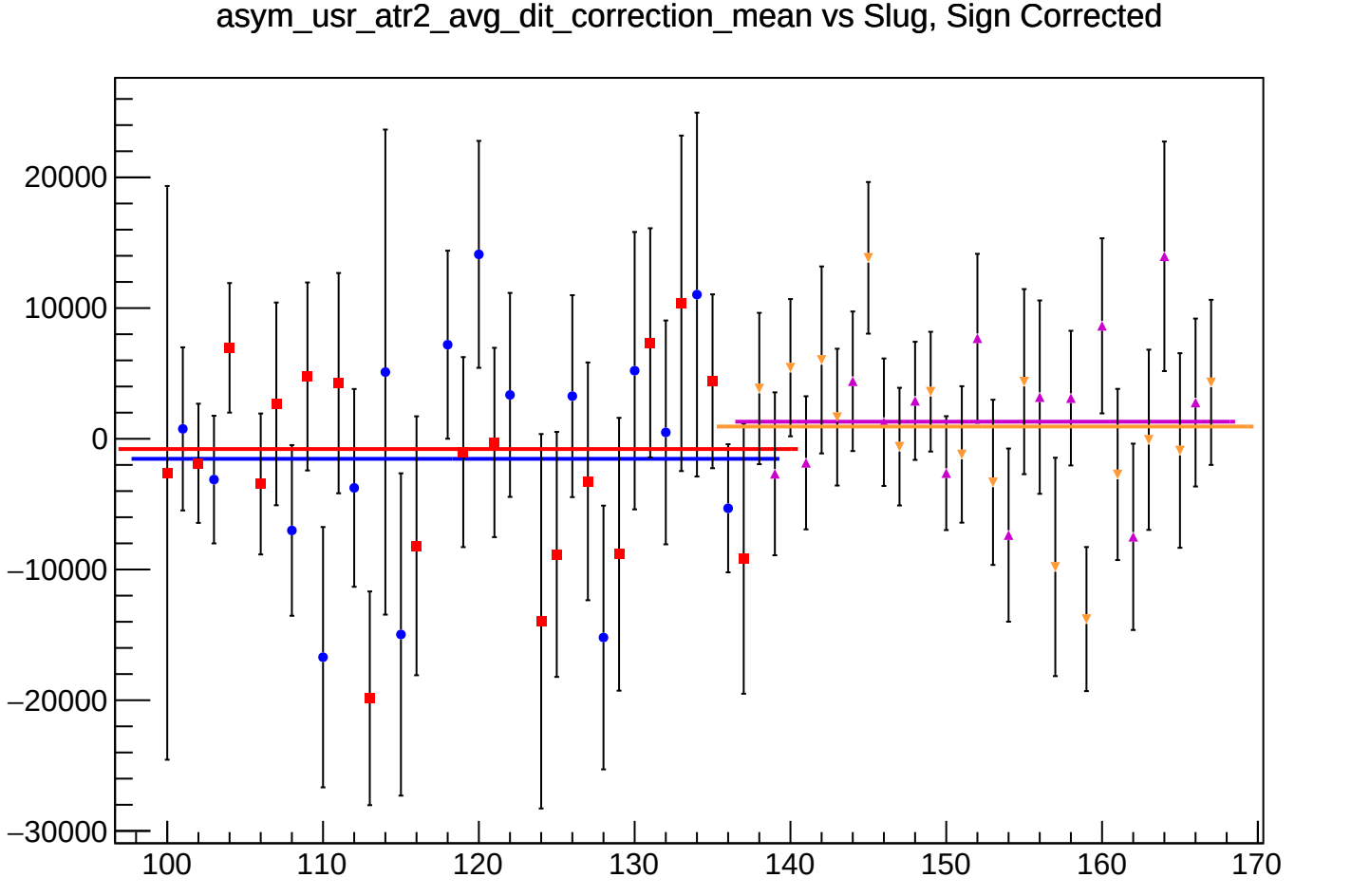
Left: 1592.993+/-0.229 χ^2/NDF: 83395.1/29

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1608.534+/-0.264 χ^2/NDF:317467.7/29

Out: 1607.725+/-0.256 χ^2/NDF:291347.3/34

All: 1608.117+/-0.183 χ^2/NDF: 608819.8/64



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 937.499+/-1465.962 χ^2/NDF:17.3/15

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 1310.191+/-1533.912 χ^2/NDF:9.8/13

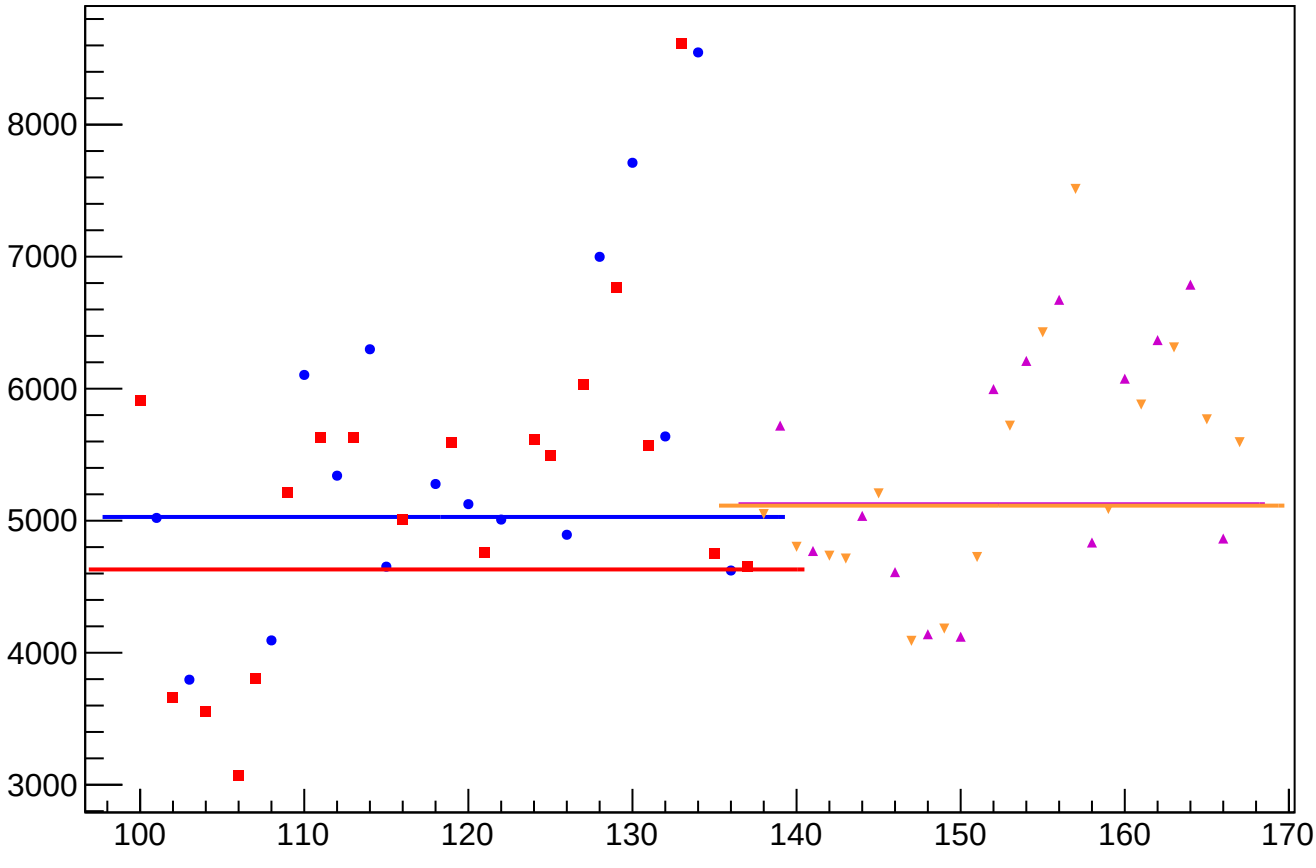
Left: 1115.408+/-1059.800 χ^2/NDF: 27.1/29

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: 198.463+/-1196.907 χ^2/NDF:25.0/29

Out: 226.836+/-1123.390 χ^2/NDF:32.9/34

All: 213.548+/-819.115 χ^2/NDF: 57.9/64



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5114.339+/-1.037 χ^2/NDF:589266.5/15

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5124.509+/-1.085 χ^2/NDF:612098.0/13

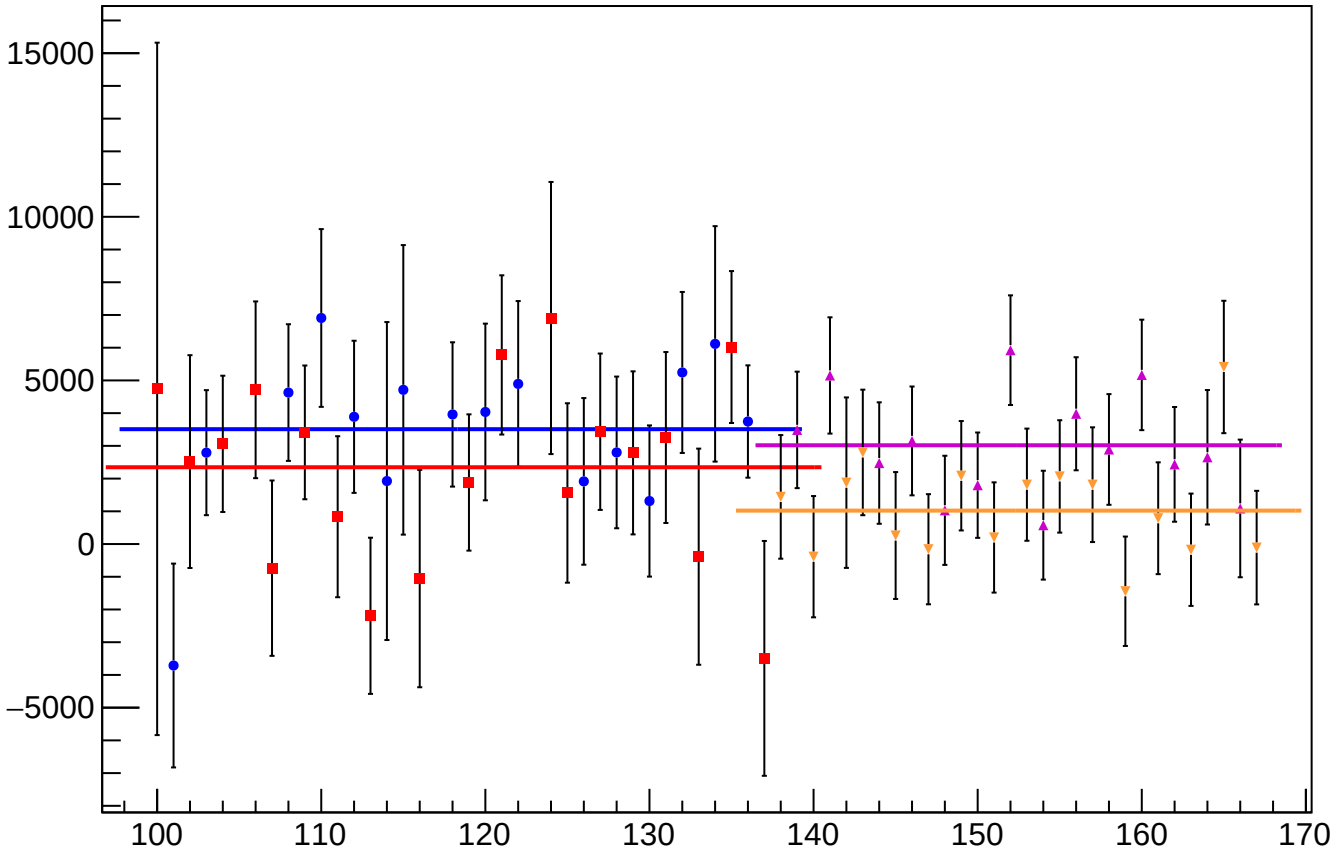
Left: 5119.194+/-0.749 χ^2/NDF: 1201410.5/29

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5086.937+/-0.846 χ^2/NDF:1180635.4/29

Out: 4914.795+/-0.794 χ^2/NDF:1542558.2/34

All: 4995.417+/-0.579 χ^2/NDF: 2745187.7/64



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1021.602+/-449.874 χ^2/NDF:11.5/15

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3018.413+/-467.682 χ^2/NDF:11.7/13

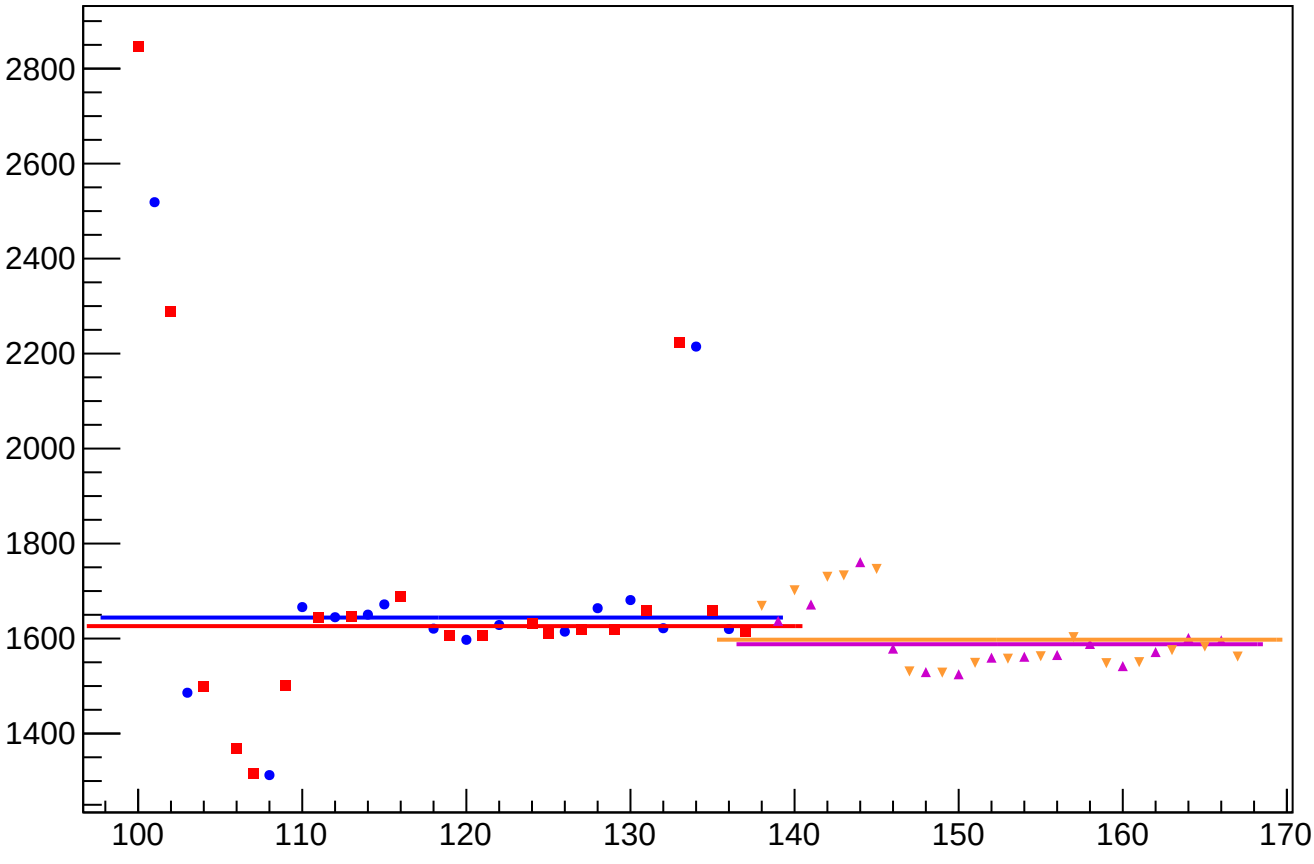
Left: 1981.267+/-324.222 χ^2/NDF: 32.6/29

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3197.715+/-372.650 χ^2/NDF:22.5/29

Out: 1490.965+/-361.536 χ^2/NDF:31.7/34

All: 2318.509+/-259.485 χ^2/NDF: 64.9/64



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1597.591+/-0.318 χ^2/NDF:50845.2/15

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1588.026+/-0.331 χ^2/NDF:32115.2/13

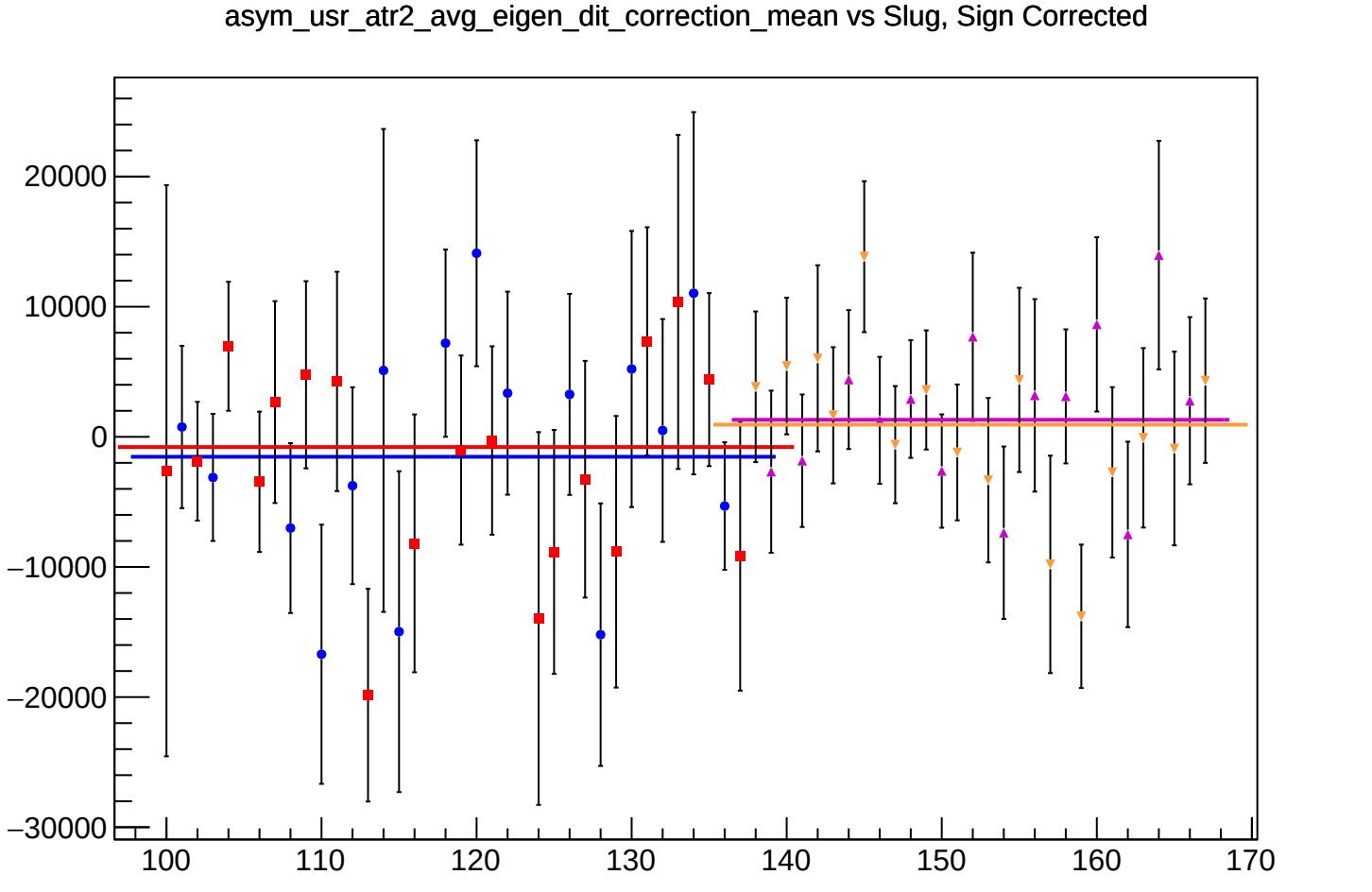
Left: 1592.994+/-0.229 χ^2/NDF: 83394.9/29

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1608.535+/-0.264 χ^2/NDF:317467.0/29

Out: 1607.726+/-0.256 χ^2/NDF:291346.5/34

All: 1608.118+/-0.183 χ^2/NDF: 608818.3/64



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 937.494+/-1465.965 χ^2/NDF:17.3/15

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 1310.190+/-1533.915 χ^2/NDF:9.8/13

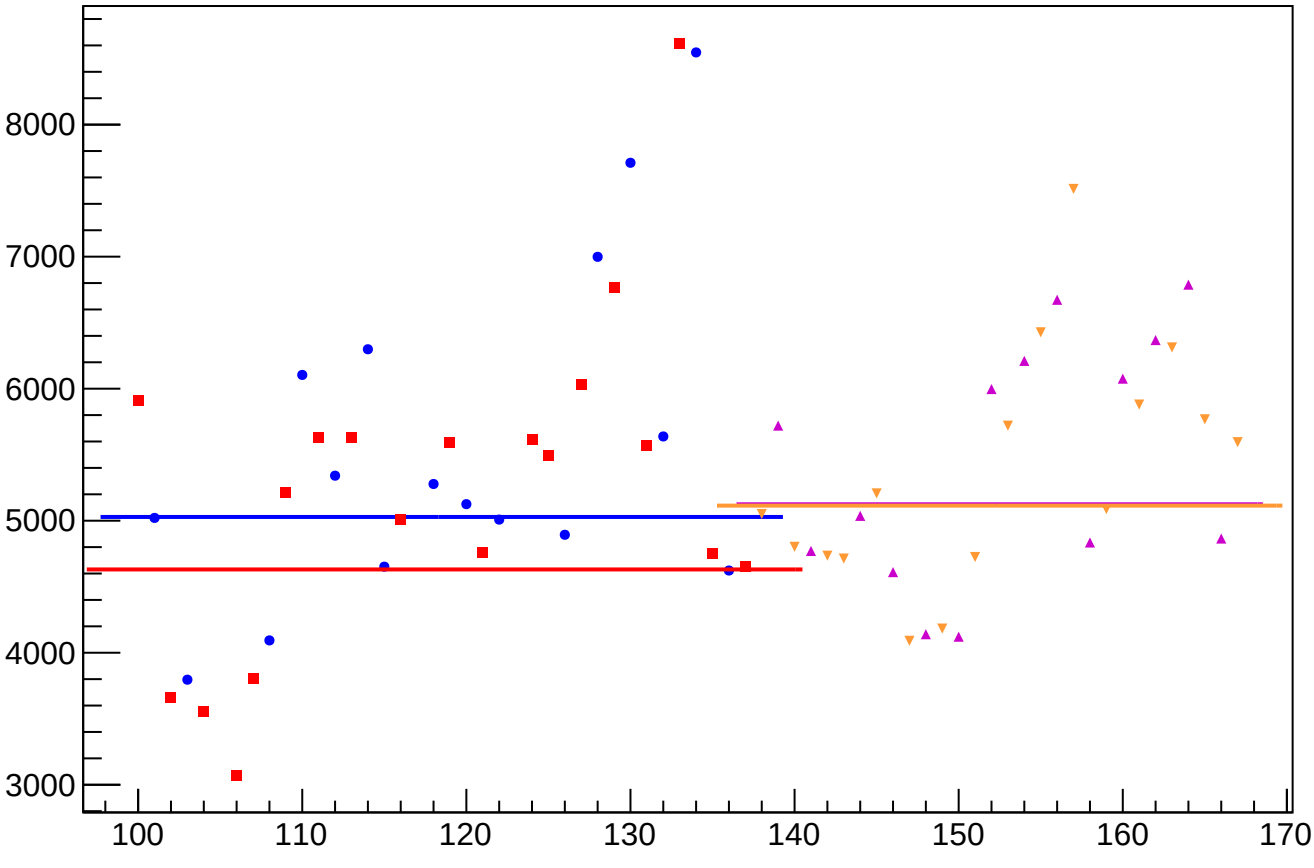
Left: 1115.404+/-1059.802 χ^2/NDF: 27.1/29

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: 198.464+/-1196.908 χ^2/NDF:25.0/29

Out: 226.830+/-1123.391 χ^2/NDF:32.9/34

All: 213.545+/-819.115 χ^2/NDF: 57.9/64



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5114.348+/-1.037 χ^2/NDF:589268.1/15

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5124.518+/-1.085 χ^2/NDF:612098.6/13

Left: 5119.203+/-0.749 χ^2/NDF: 1201412.6/29

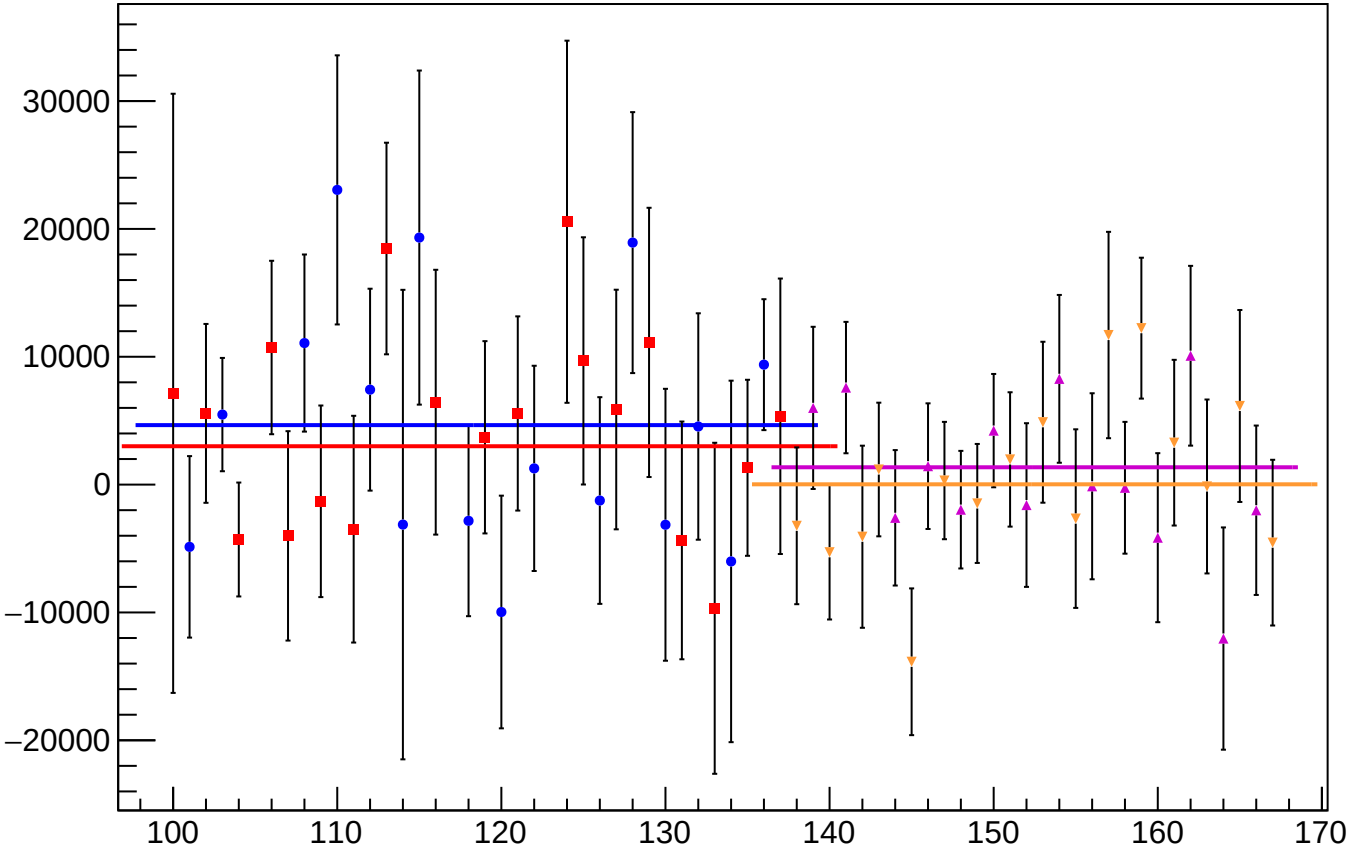
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5086.939+/-0.846 χ^2/NDF:1180630.6/29

Out: 4914.797+/-0.794 χ^2/NDF:1542559.7/34

All: 4995.420+/-0.579 χ^2/NDF: 2745184.5/64

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 23.222+/-1474.010 χ^2/NDF:16.9/15

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1355.499+/-1540.762 χ^2/NDF:9.8/13

Left: 659.877+/-1065.099 χ^2/NDF: 27.2/29

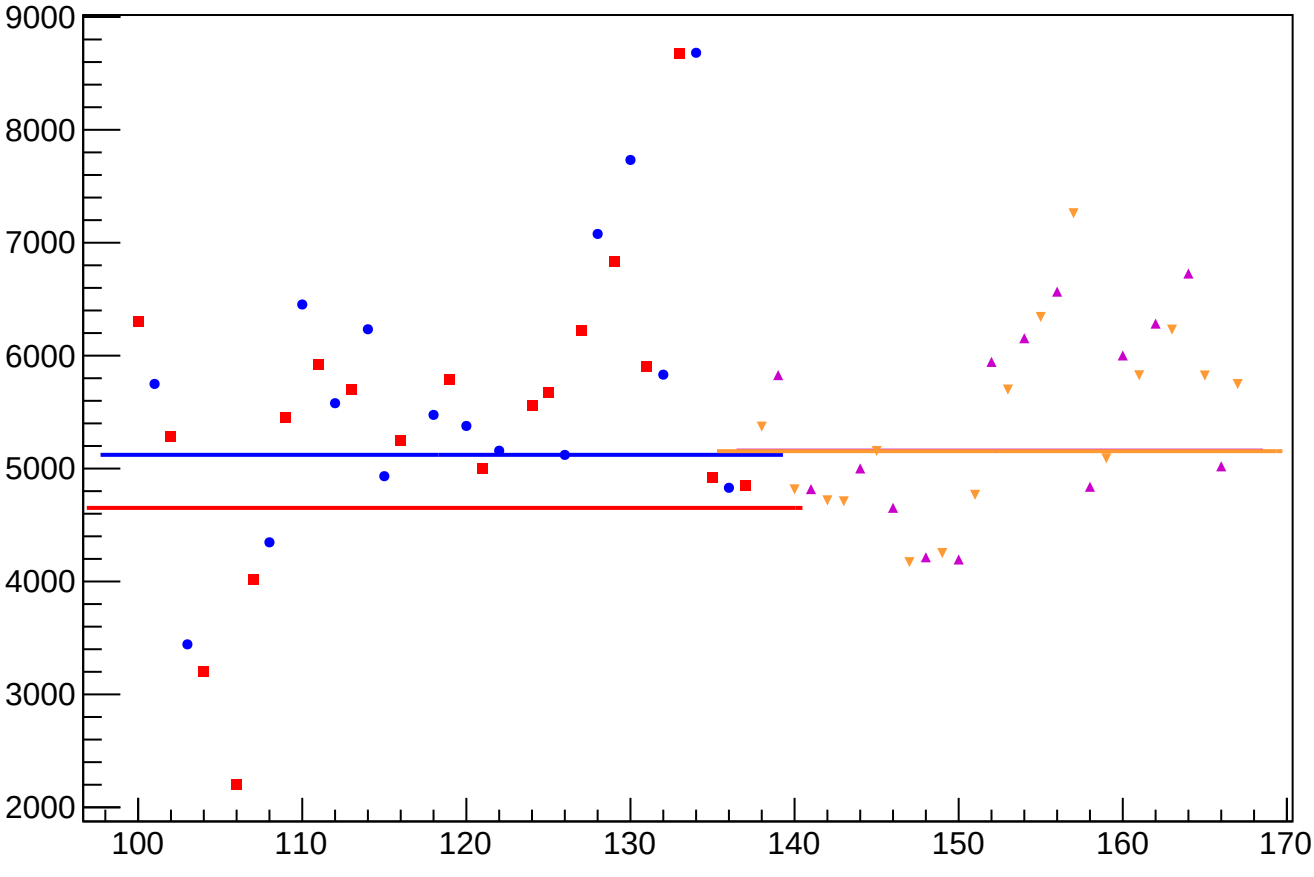
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 2616.184+/-1210.945 χ^2/NDF:27.1/29

Out: 1154.756+/-1160.641 χ^2/NDF:32.4/34

All: 1854.486+/-837.917 χ^2/NDF: 60.2/64

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5154.202+/-1.042 χ^2/NDF:524220.3/15

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5158.635+/-1.089 χ^2/NDF:541411.3/13

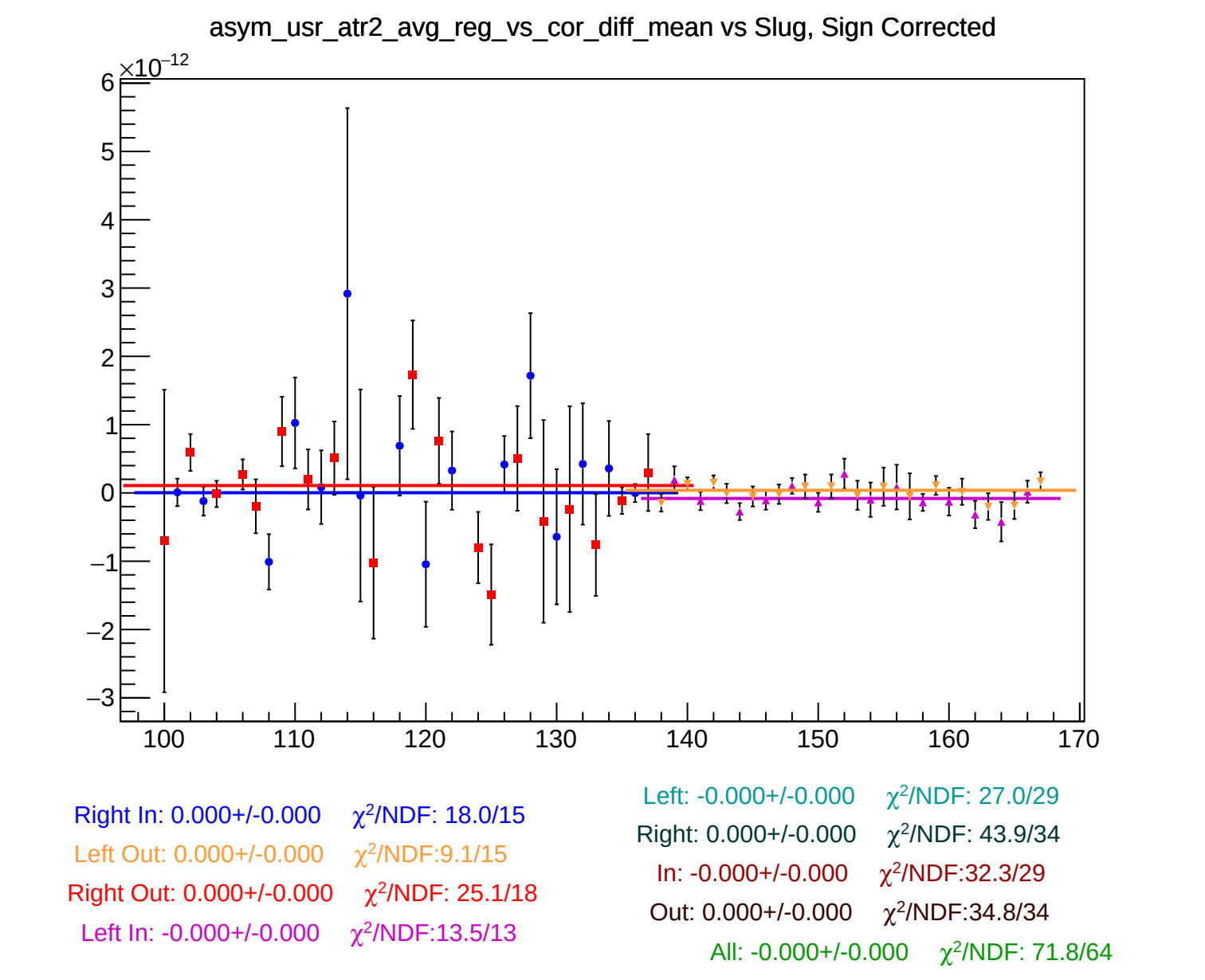
Left: 5156.320+/-0.753 χ^2/NDF: 1065640.2/29

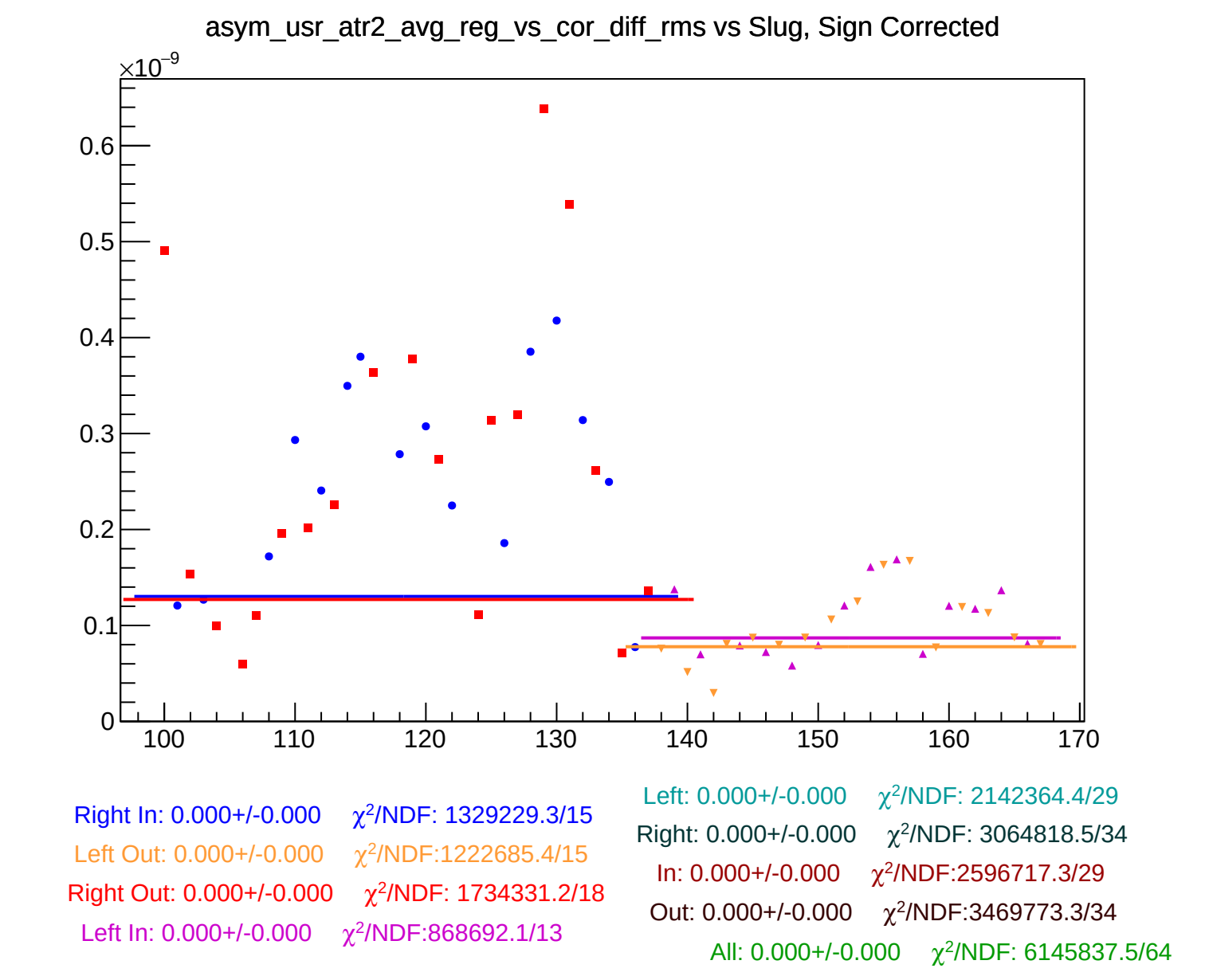
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5144.493+/-0.856 χ^2/NDF:1262222.1/29

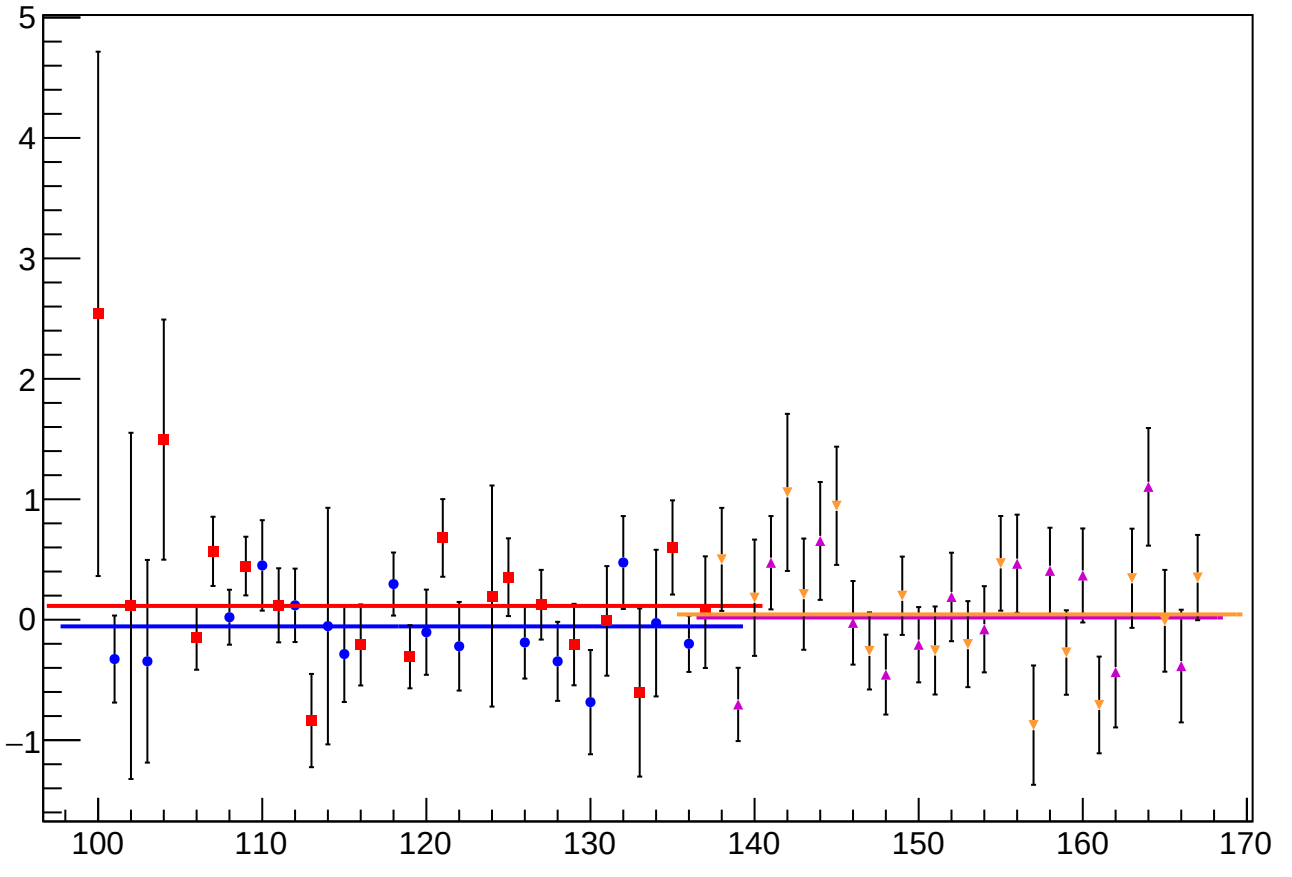
Out: 4953.933+/-0.808 χ^2/NDF:1961719.7/34

All: 5043.728+/-0.588 χ^2/NDF: 3250131.1/64


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:9.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:13.5/13
Left: -0.000+/-0.000 χ²/NDF: 27.0/29
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:32.3/29
Out: 0.000+/-0.000 χ²/NDF:34.8/34
All: -0.000+/-0.000 χ²/NDF: 71.8/64


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1222685.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:868692.1/13
Left: 0.000+/-0.000 χ²/NDF: 2142364.4/29
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2596717.3/29
Out: 0.000+/-0.000 χ²/NDF:3469773.3/34
All: 0.000+/-0.000 χ²/NDF: 6145837.5/64

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.044+/-0.100 χ^2/NDF:19.6/15

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.018+/-0.101 χ^2/NDF:21.4/13

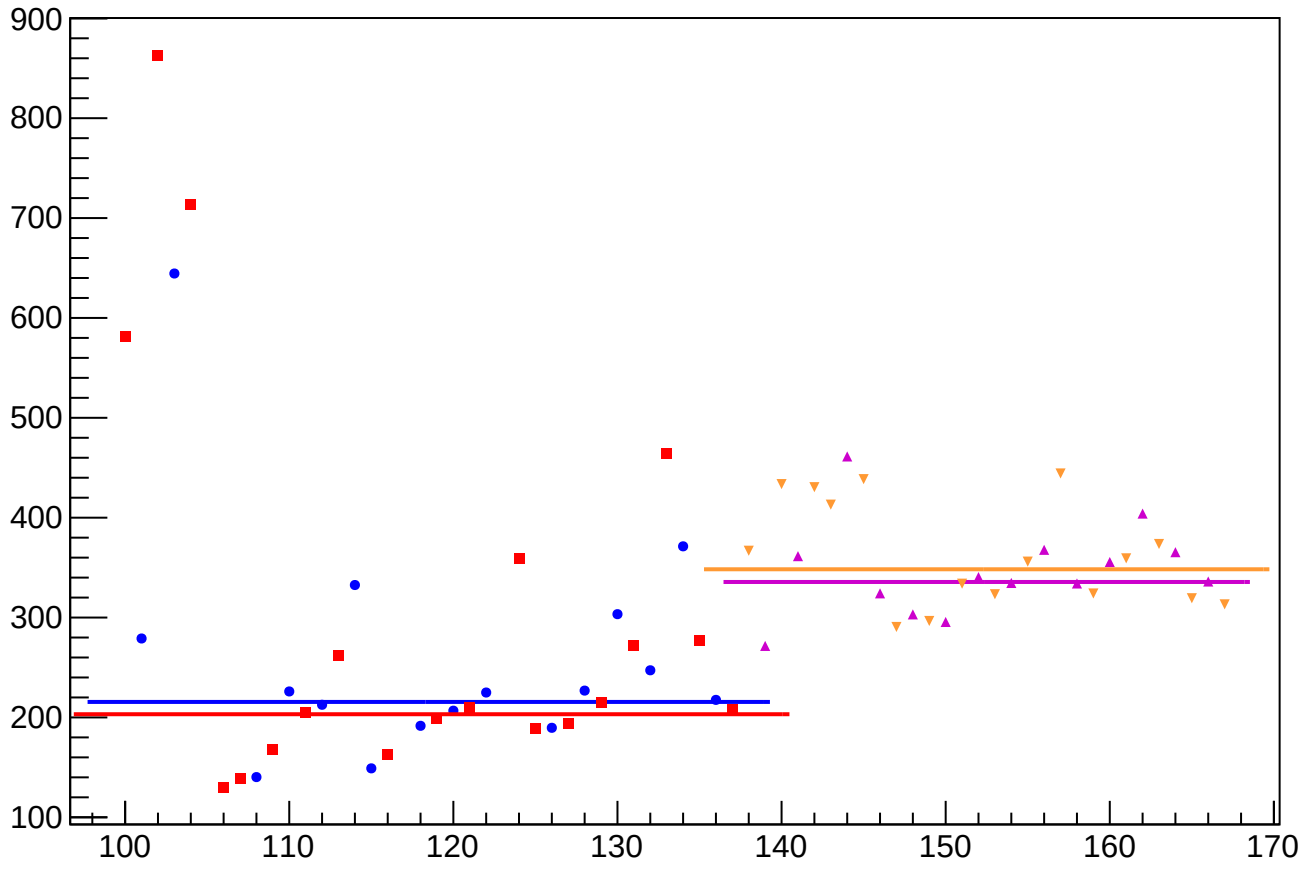
Left: 0.031+/-0.071 χ^2/NDF: 41.1/29

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.025+/-0.065 χ^2/NDF:32.4/29

Out: 0.086+/-0.064 χ^2/NDF:45.2/34

All: 0.032+/-0.046 χ^2/NDF: 79.0/64



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.337+/-0.071 χ^2/NDF:457008.1/15

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.623+/-0.071 χ^2/NDF:353297.0/13

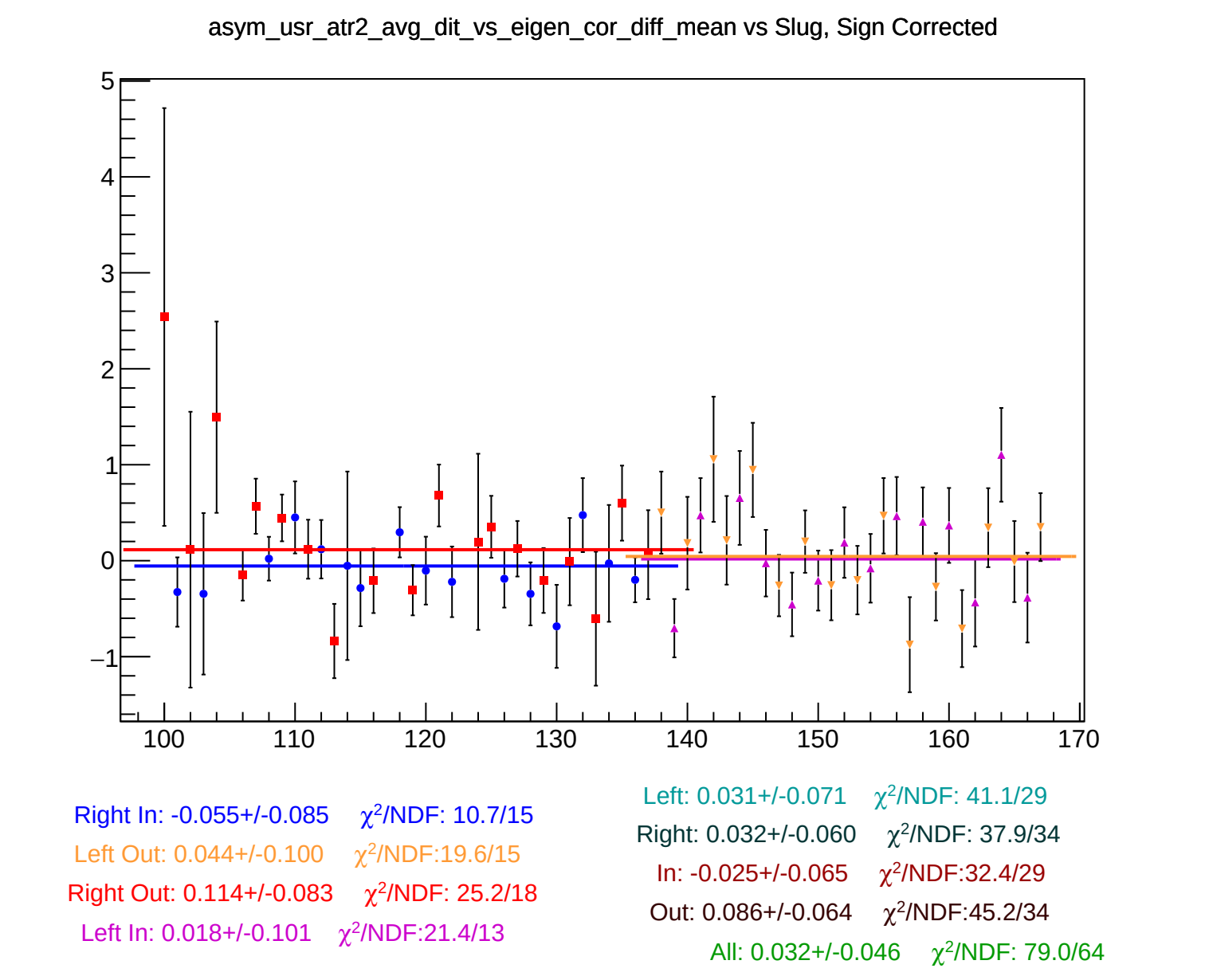
Left: 342.028+/-0.050 χ^2/NDF: 826323.9/29

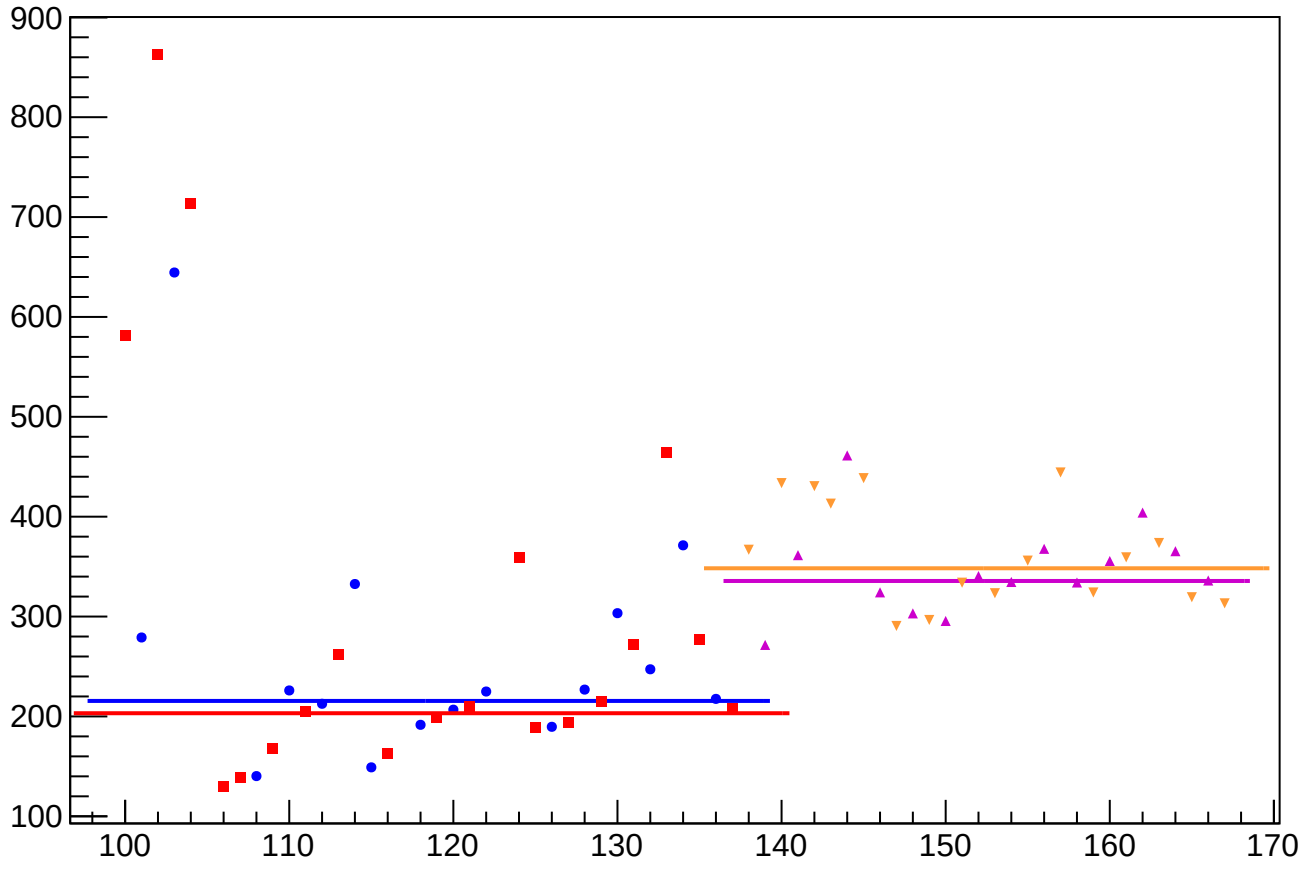
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 265.734+/-0.046 χ^2/NDF:3153224.4/29

Out: 262.537+/-0.045 χ^2/NDF:4779367.7/34

All: 264.105+/-0.032 χ^2/NDF: 7935043.0/64


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.044+/-0.100 χ²/NDF:19.6/15
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.018+/-0.101 χ²/NDF:21.4/13
Left: 0.031+/-0.071 χ²/NDF: 41.1/29
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.025+/-0.065 χ²/NDF:32.4/29
Out: 0.086+/-0.064 χ²/NDF:45.2/34
All: 0.032+/-0.046 χ²/NDF: 79.0/64



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.337+/-0.071 χ^2/NDF:457008.1/15

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.623+/-0.071 χ^2/NDF:353297.0/13

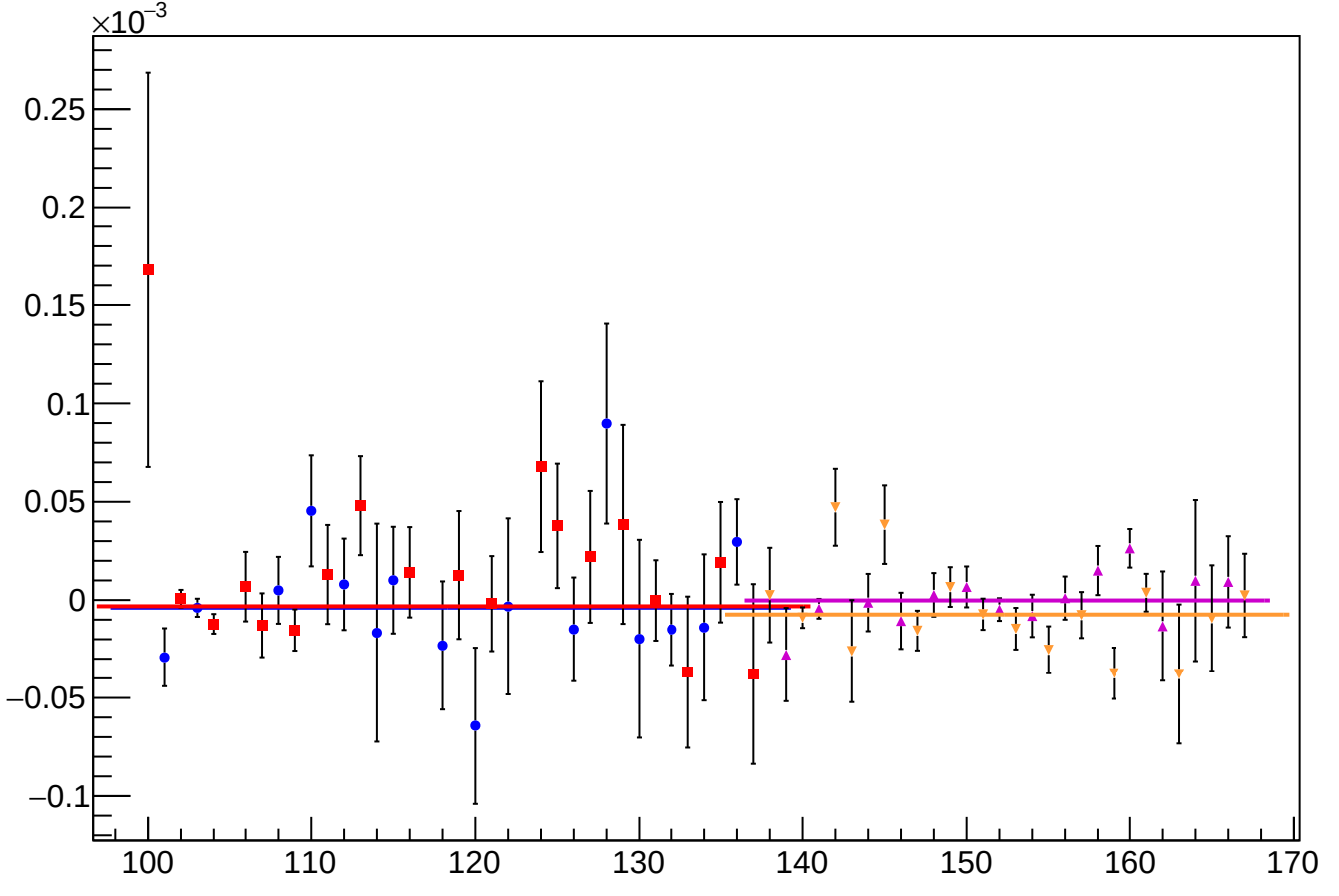
Left: 342.028+/-0.050 χ^2/NDF: 826323.9/29

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 265.734+/-0.046 χ^2/NDF:3153224.4/29

Out: 262.537+/-0.045 χ^2/NDF:4779367.7/34

All: 264.105+/-0.032 χ^2/NDF: 7935043.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/13

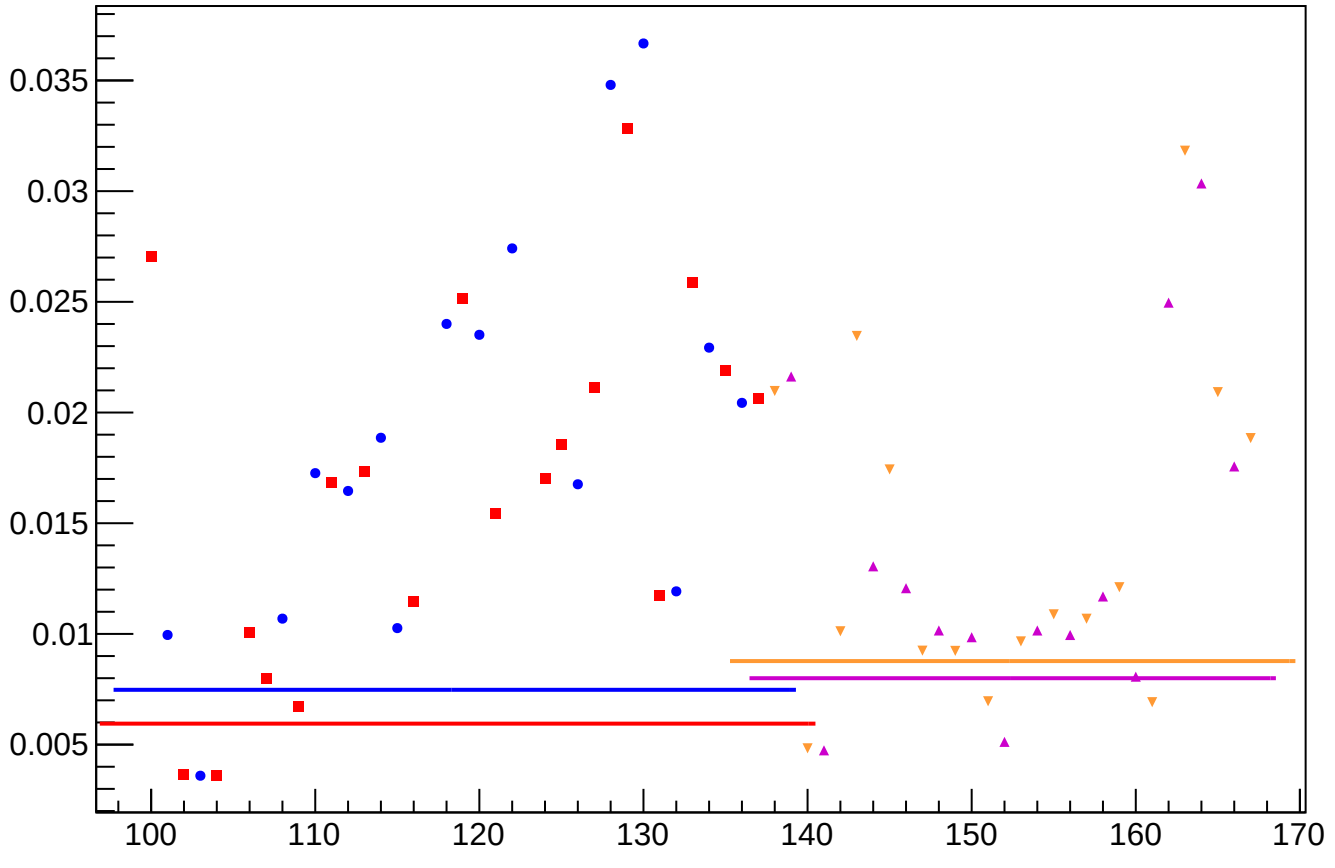
Left: -0.000+/-0.000 χ^2/NDF: 43.5/29

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: -0.000+/-0.000 χ^2/NDF:30.1/29

Out: -0.000+/-0.000 χ^2/NDF:49.4/34

All: -0.000+/-0.000 χ^2/NDF: 81.2/64



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:4800233.3/15

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:4509321.5/13

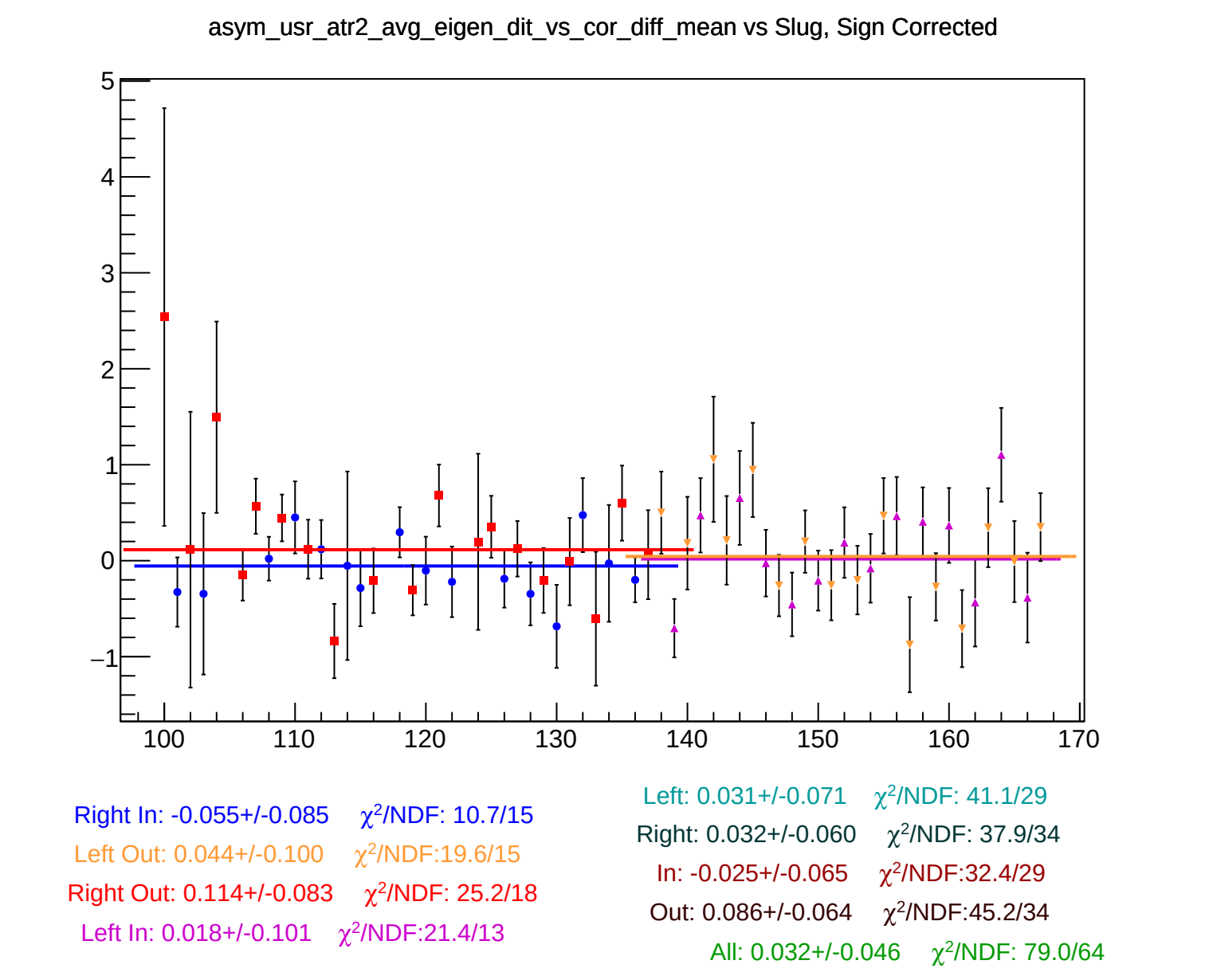
Left: 0.008+/-0.000 χ^2/NDF: 9386855.2/29

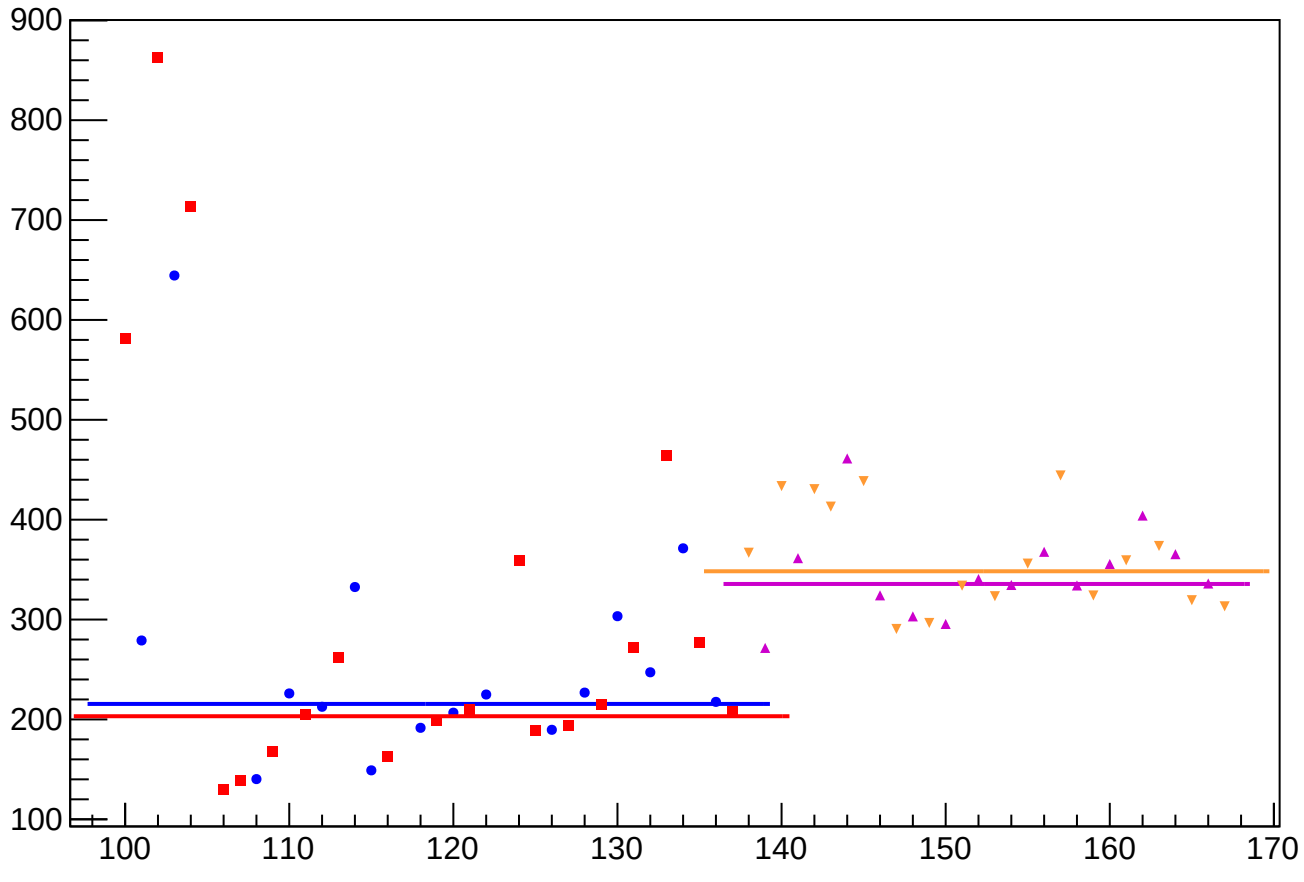
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:10610735.5/29

Out: 0.007+/-0.000 χ^2/NDF:11703296.9/34

All: 0.008+/-0.000 χ^2/NDF: 22356191.4/64


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.044+/-0.100 χ²/NDF:19.6/15
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.018+/-0.101 χ²/NDF:21.4/13
Left: 0.031+/-0.071 χ²/NDF: 41.1/29
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.025+/-0.065 χ²/NDF:32.4/29
Out: 0.086+/-0.064 χ²/NDF:45.2/34
All: 0.032+/-0.046 χ²/NDF: 79.0/64



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.343+/-0.071 χ^2/NDF:457001.0/15

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.628+/-0.071 χ^2/NDF:353296.4/13

Left: 342.034+/-0.050 χ^2/NDF: 826317.0/29

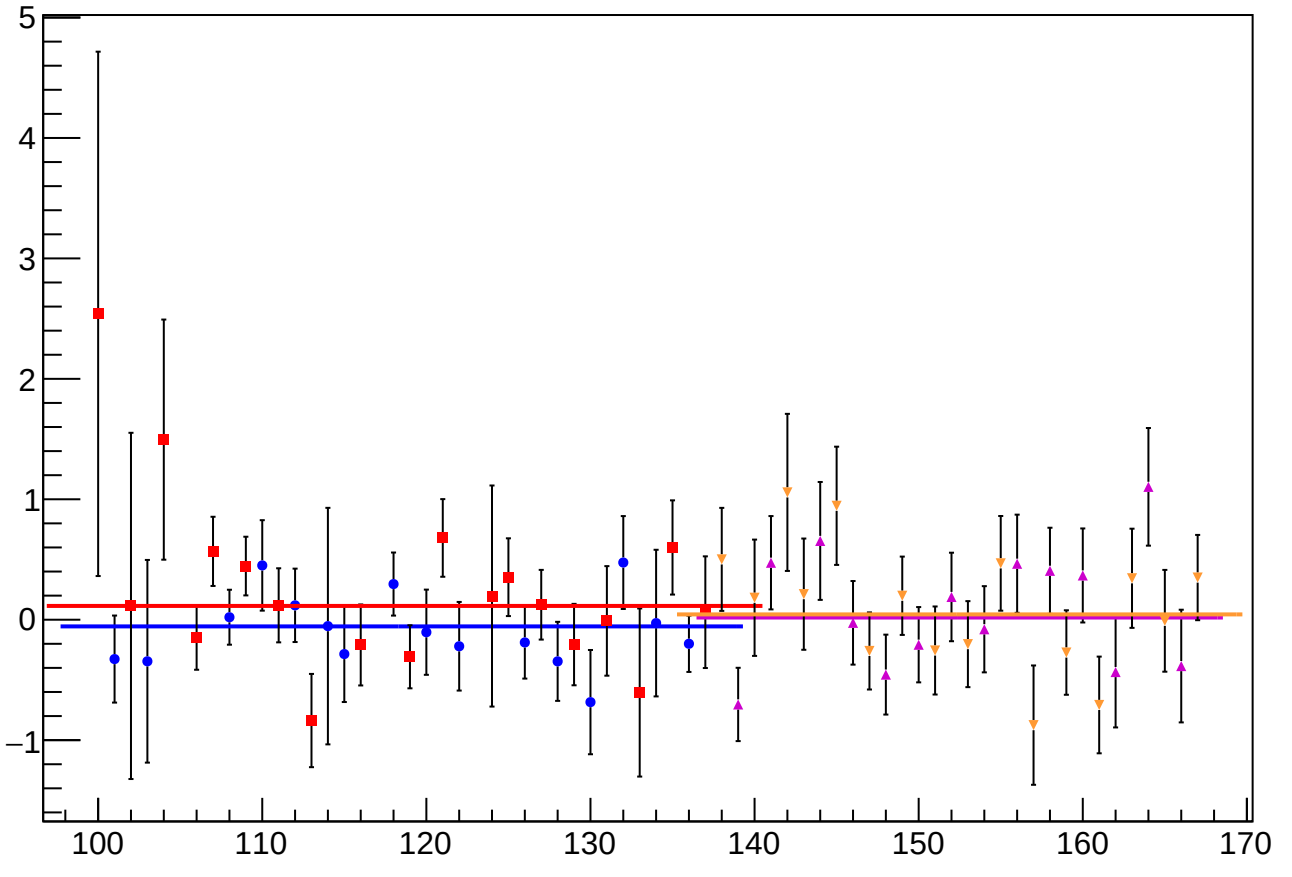
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 265.735+/-0.046 χ^2/NDF:3153360.8/29

Out: 262.537+/-0.045 χ^2/NDF:4779568.8/34

All: 264.106+/-0.032 χ^2/NDF: 7935381.1/64

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.044+/-0.100 χ^2/NDF:19.6/15

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.018+/-0.101 χ^2/NDF:21.4/13

Left: 0.031+/-0.071 χ^2/NDF: 41.1/29

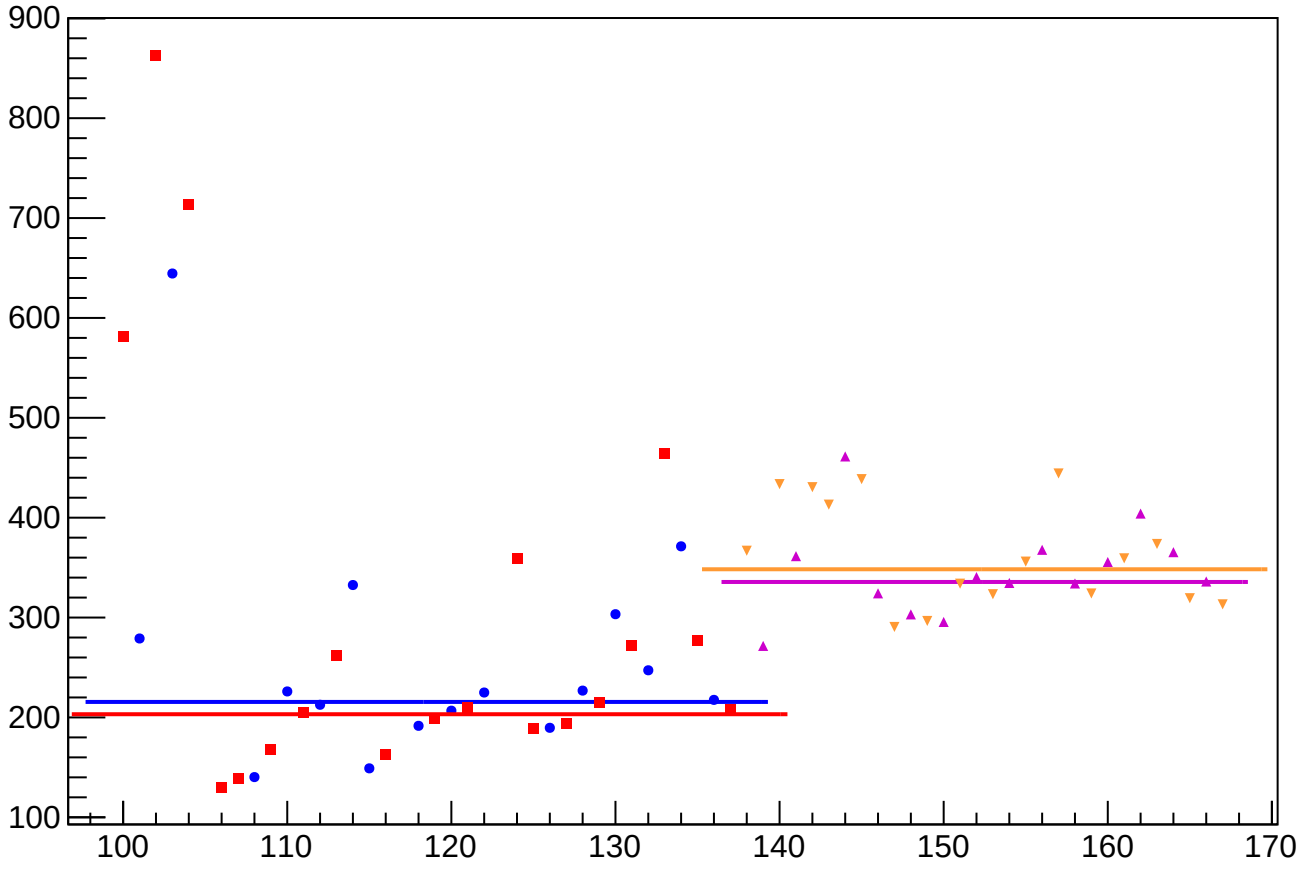
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.025+/-0.065 χ^2/NDF:32.4/29

Out: 0.086+/-0.064 χ^2/NDF:45.2/34

All: 0.032+/-0.046 χ^2/NDF: 79.0/64

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.343+/-0.071 χ^2/NDF:457001.0/15

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.628+/-0.071 χ^2/NDF:353296.4/13

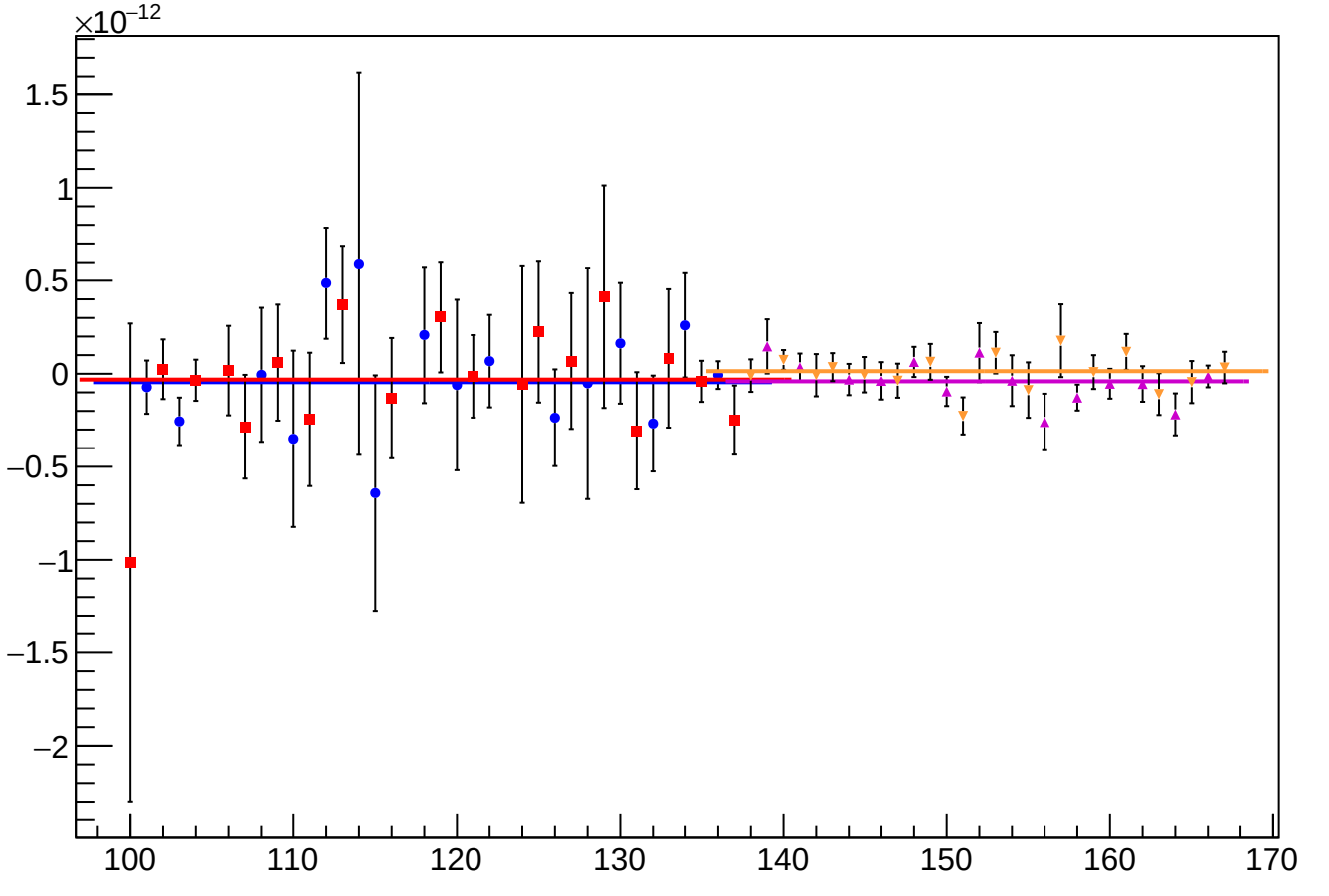
Left: 342.034+/-0.050 χ^2/NDF: 826317.0/29

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 265.735+/-0.046 χ^2/NDF:3153360.8/29

Out: 262.537+/-0.045 χ^2/NDF:4779568.8/34

All: 264.106+/-0.032 χ^2/NDF: 7935381.1/64



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/13

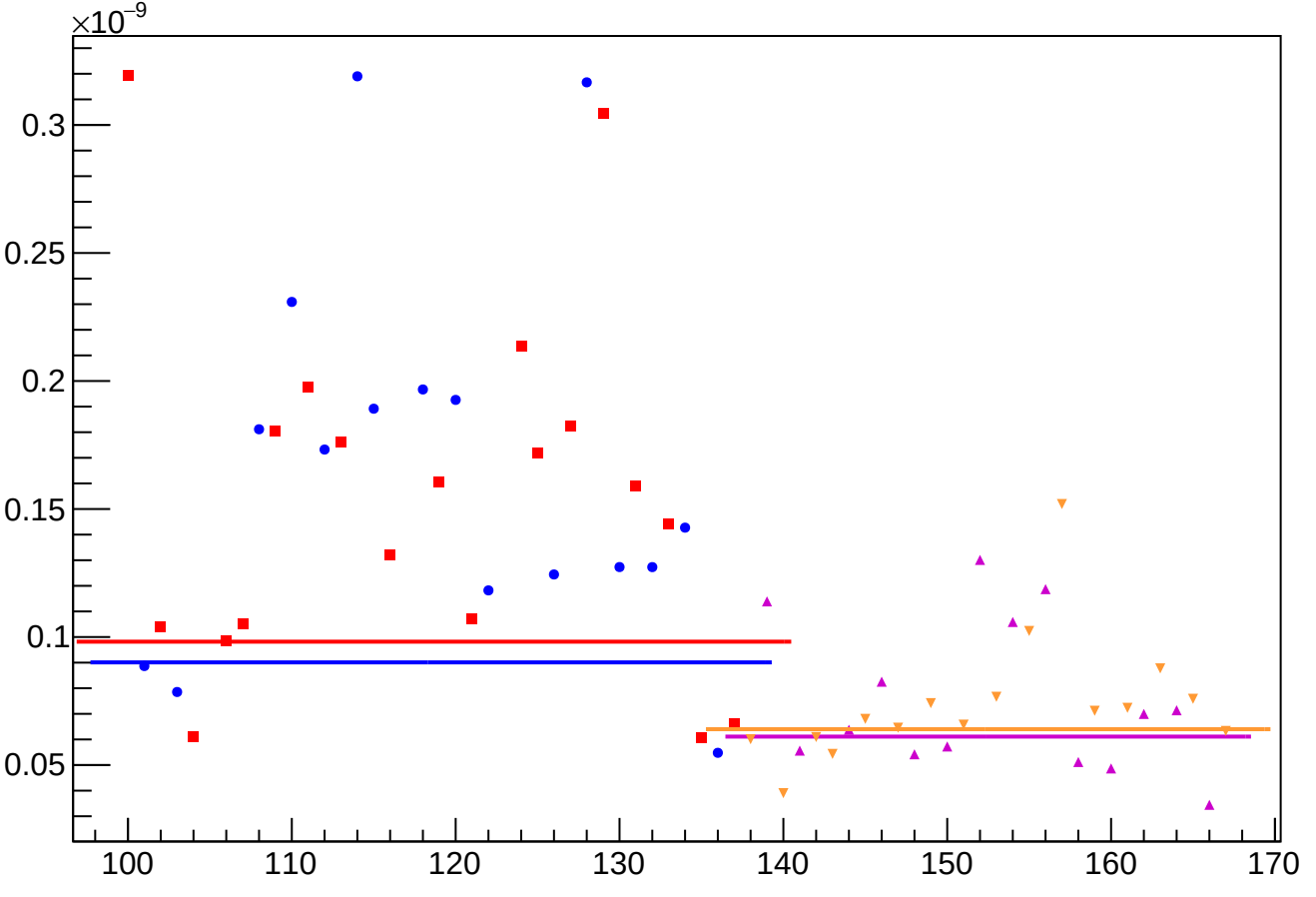
Left: -0.000+/-0.000 χ^2/NDF: 27.4/29

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:23.6/29

Out: 0.000+/-0.000 χ^2/NDF:21.6/34

All: -0.000+/-0.000 χ^2/NDF: 47.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1210444.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1806153.3/13

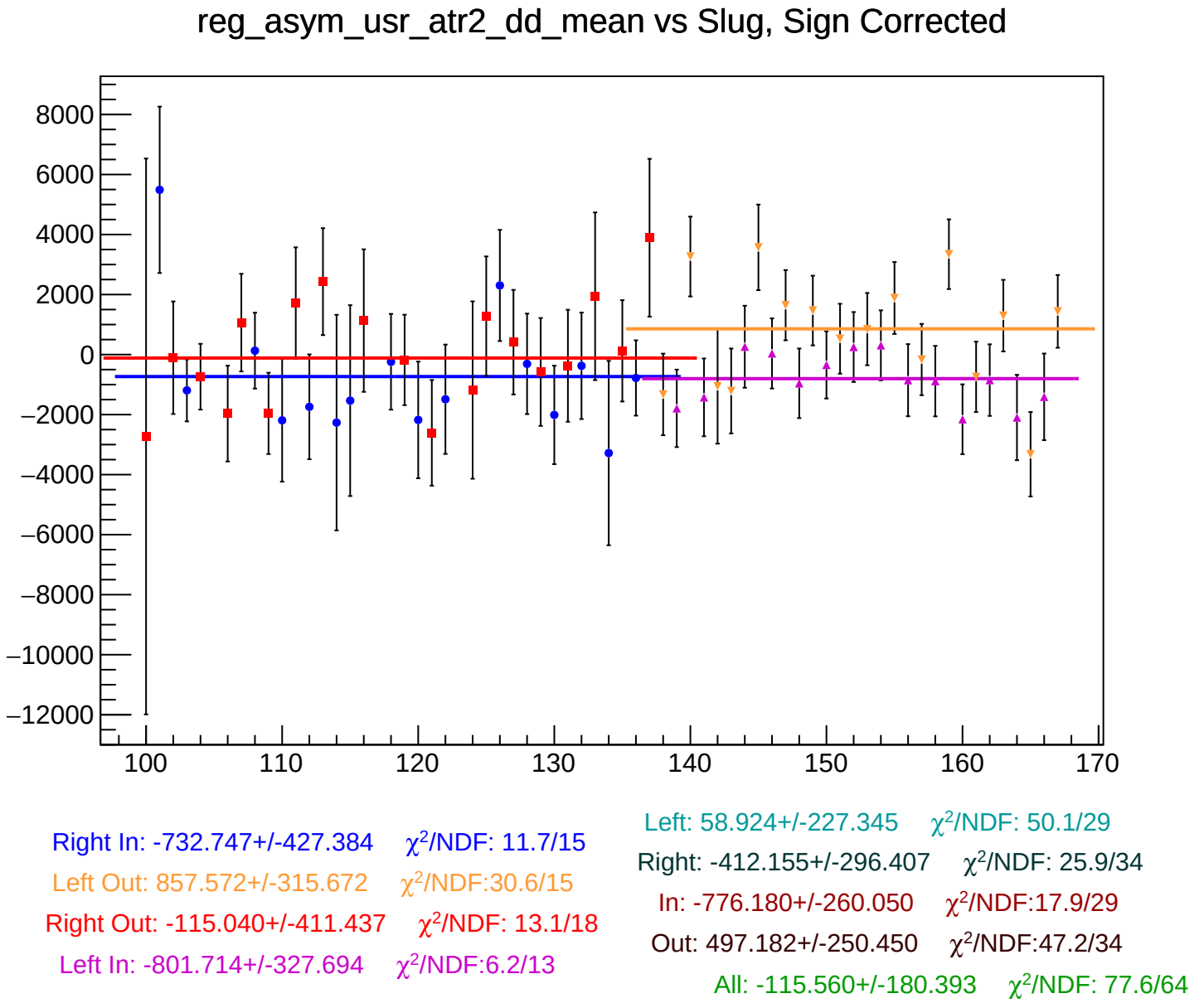
Left: 0.000+/-0.000 χ^2/NDF: 3031674.8/29

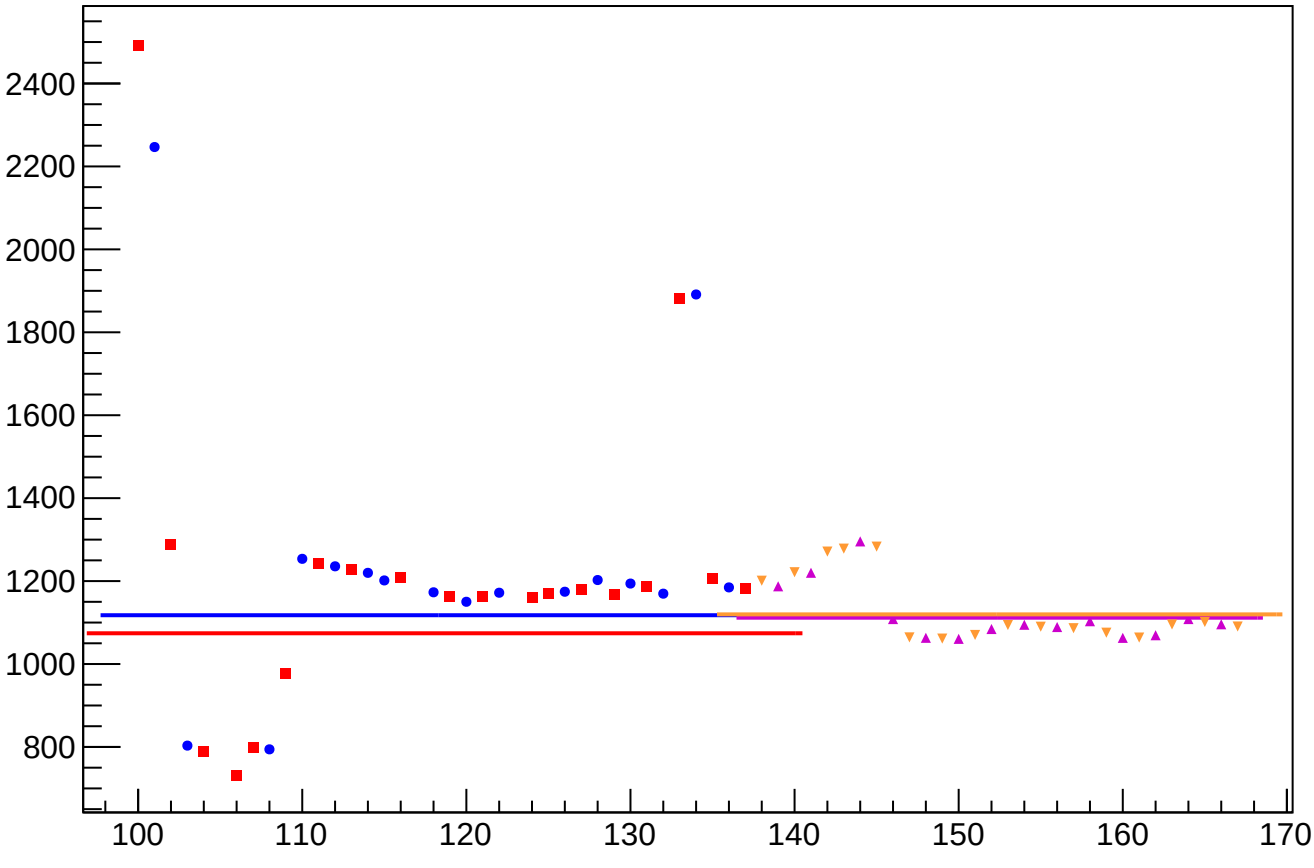
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

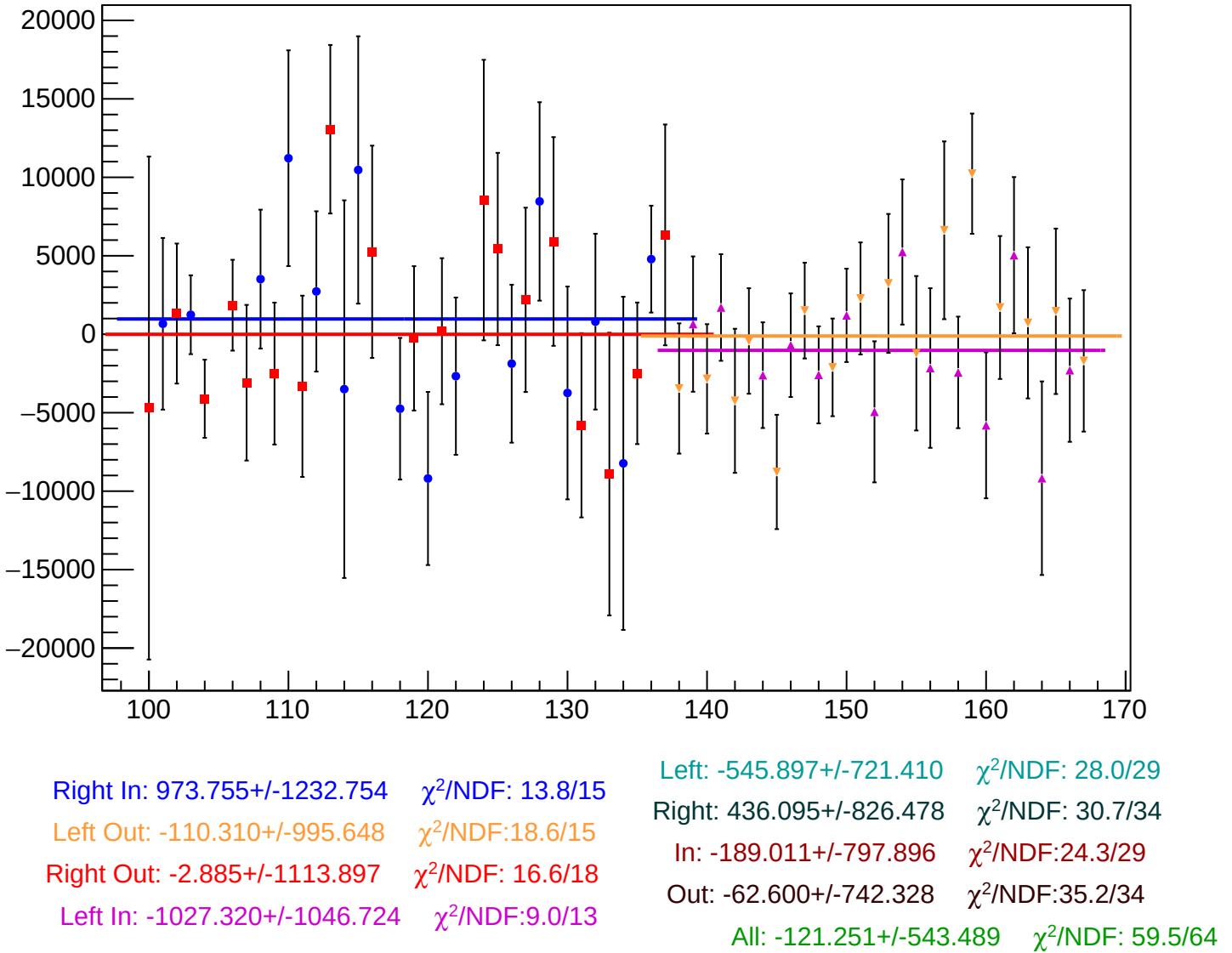
In: 0.000+/-0.000 χ^2/NDF:4162420.7/29

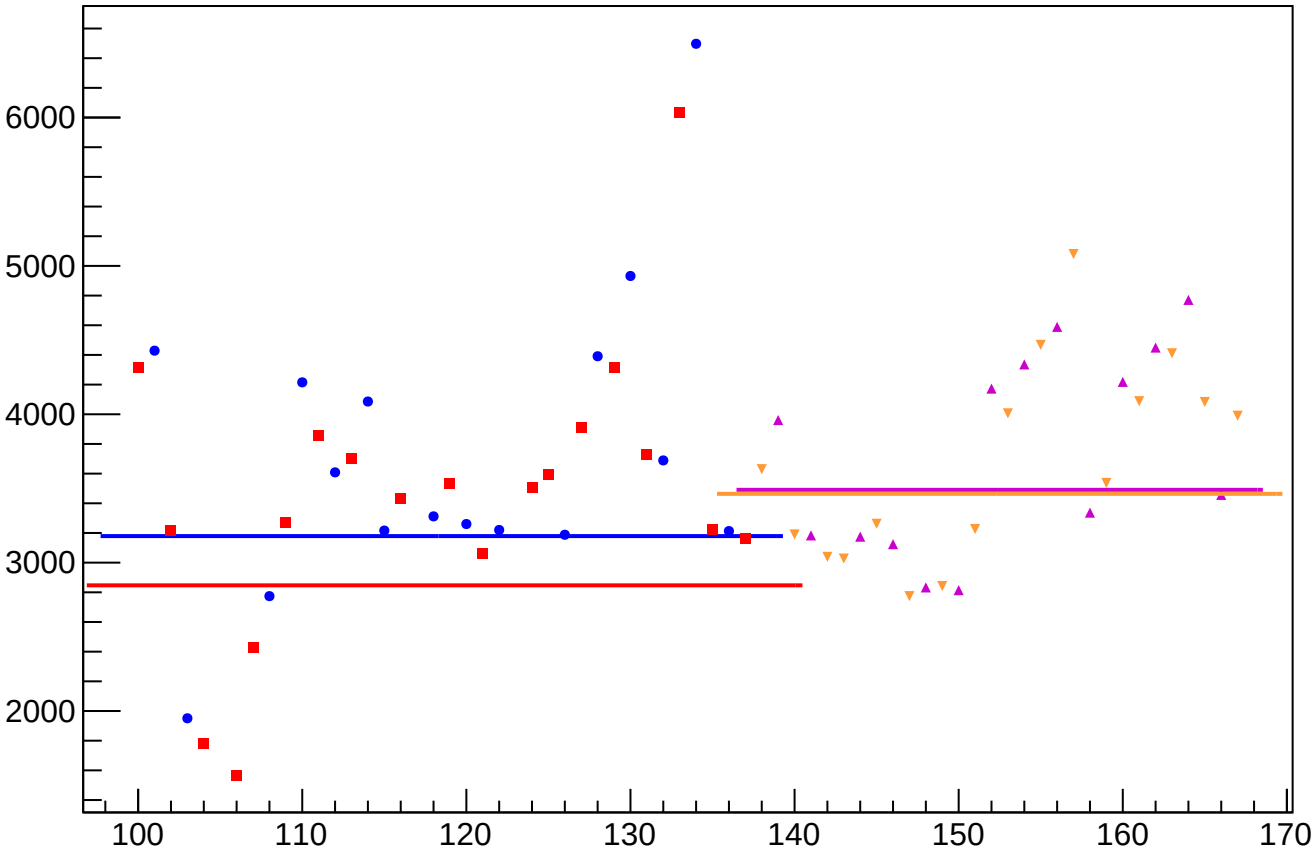
Out: 0.000+/-0.000 χ^2/NDF:3624271.6/34

All: 0.000+/-0.000 χ^2/NDF: 7808938.1/64


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 857.572+/-315.672 χ²/NDF:30.6/15
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -801.714+/-327.694 χ²/NDF:6.2/13
Left: 58.924+/-227.345 χ²/NDF: 50.1/29
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -776.180+/-260.050 χ²/NDF:17.9/29
Out: 497.182+/-250.450 χ²/NDF:47.2/34
All: -115.560+/-180.393 χ²/NDF: 77.6/64


reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1117.684+/-0.302 χ²/NDF: 819835.1/15
Left Out: 1119.719+/-0.223 χ²/NDF:109400.6/15
Right Out: 1074.148+/-0.289 χ²/NDF: 649508.4/18
Left In: 1111.748+/-0.232 χ²/NDF:73416.3/13
Left: 1115.883+/-0.161 χ²/NDF: 183430.8/29
Right: 1094.908+/-0.209 χ²/NDF: 1480200.6/34
In: 1113.946+/-0.184 χ²/NDF:893494.3/29
Out: 1102.656+/-0.177 χ²/NDF:774515.7/34
All: 1108.071+/-0.127 χ²/NDF: 1669971.4/64


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -110.310+/-995.648 χ²/NDF:18.6/15
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -1027.320+/-1046.724 χ²/NDF:9.0/13
Left: -545.897+/-721.410 χ²/NDF: 28.0/29
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: -189.011+/-797.896 χ²/NDF:24.3/29
Out: -62.600+/-742.328 χ²/NDF:35.2/34
All: -121.251+/-543.489 χ²/NDF: 59.5/64



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3463.730+/-0.704 χ^2/NDF:709708.0/15

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3490.804+/-0.740 χ^2/NDF:695350.9/13

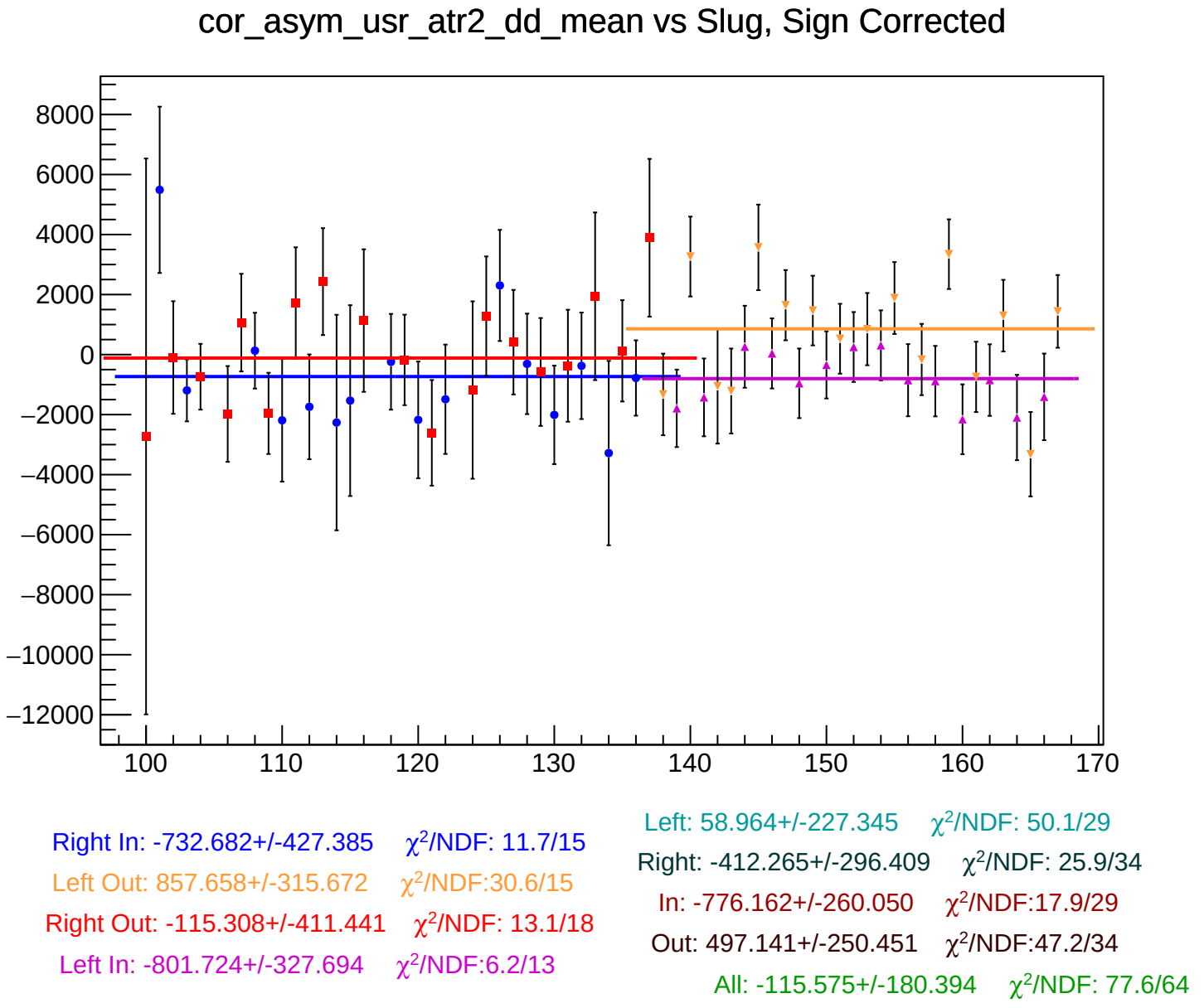
Left: 3476.590+/-0.510 χ^2/NDF: 1405761.3/29

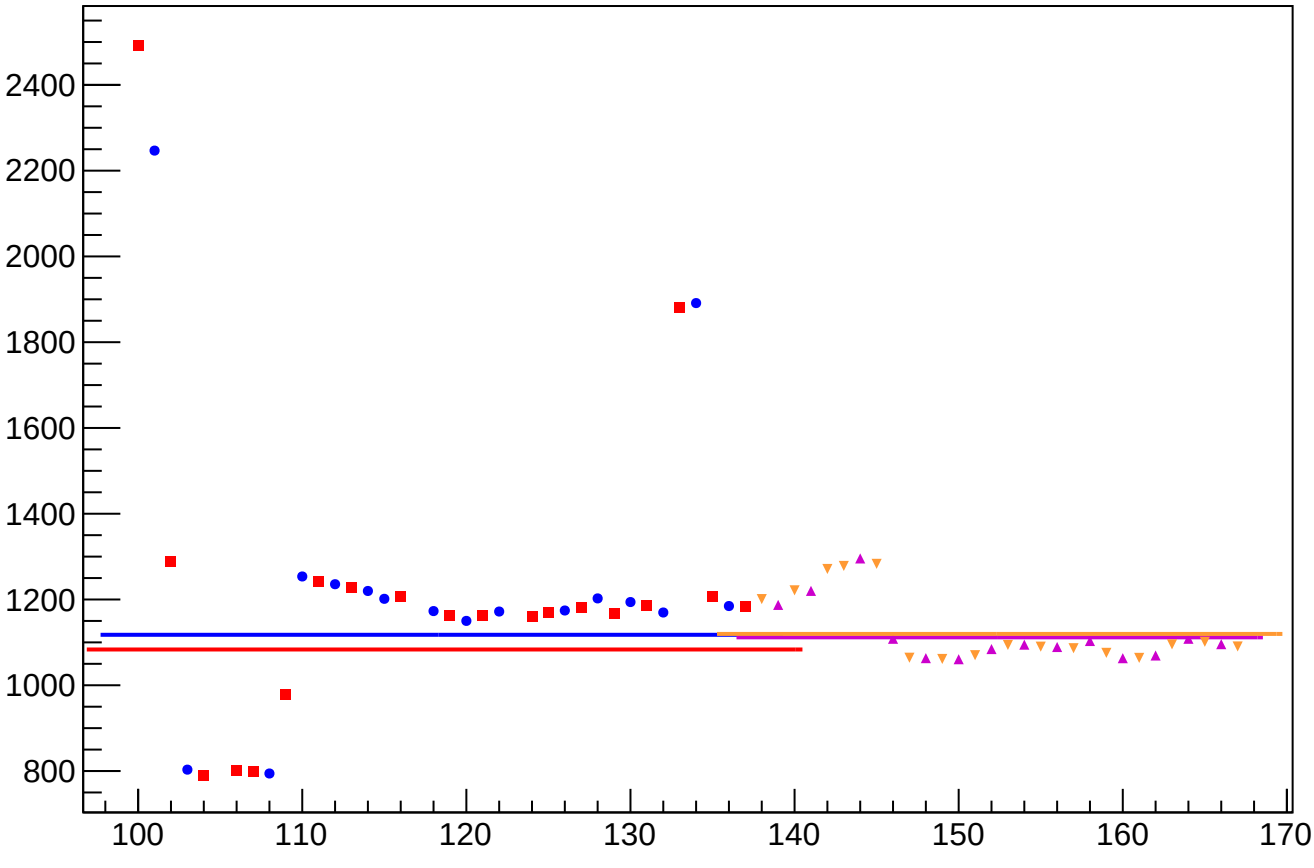
Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3360.125+/-0.564 χ^2/NDF:1861437.7/29

Out: 3189.834+/-0.525 χ^2/NDF:2561659.3/34

All: 3268.844+/-0.384 χ^2/NDF: 4471929.9/64


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 857.658+/-315.672 χ²/NDF:30.6/15
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -801.724+/-327.694 χ²/NDF:6.2/13
Left: 58.964+/-227.345 χ²/NDF: 50.1/29
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -776.162+/-260.050 χ²/NDF:17.9/29
Out: 497.141+/-250.451 χ²/NDF:47.2/34
All: -115.575+/-180.394 χ²/NDF: 77.6/64



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1119.720+/-0.223 χ^2/NDF:109400.6/15

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1111.748+/-0.232 χ^2/NDF:73416.3/13

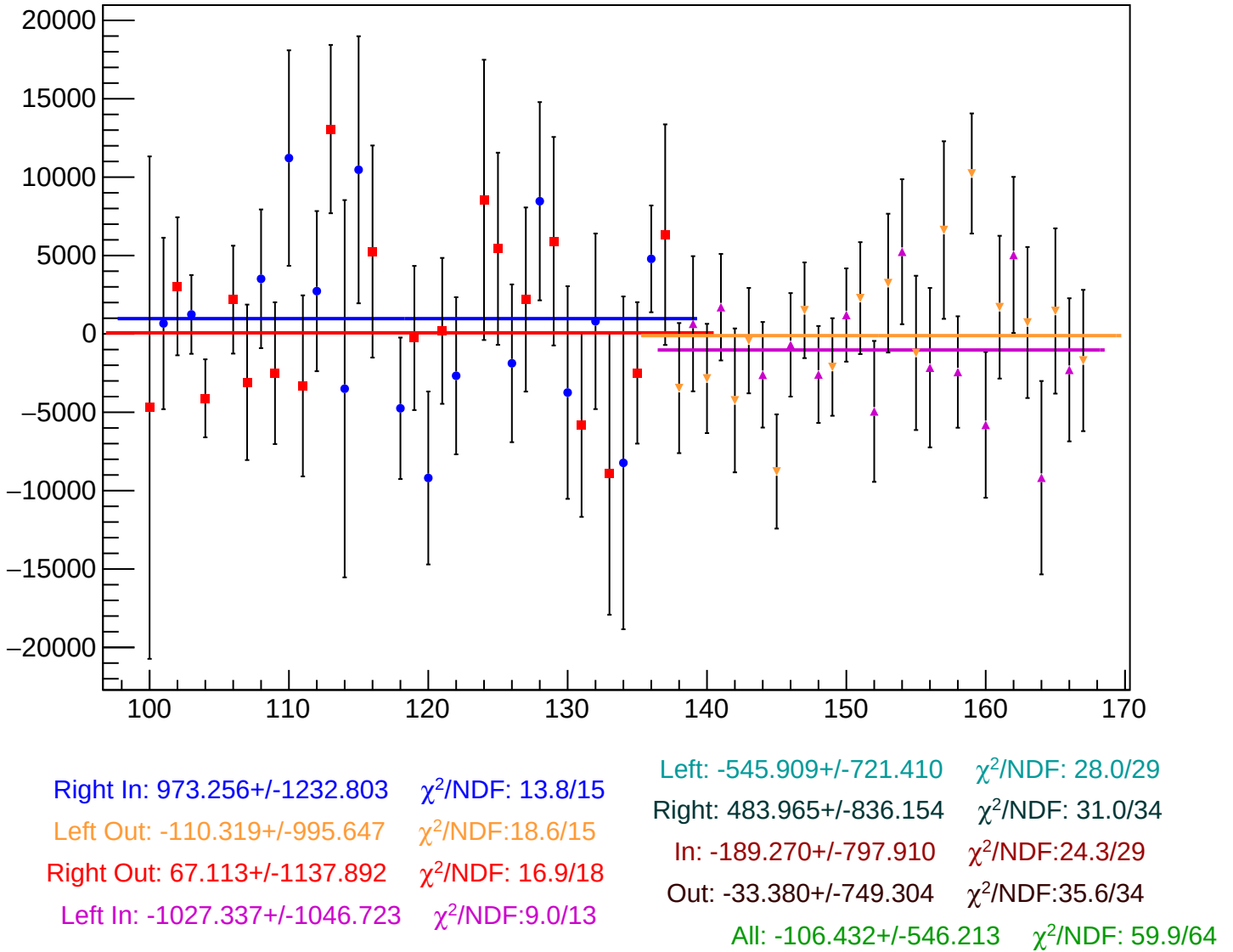
Left: 1115.883+/-0.161 χ^2/NDF: 183430.7/29

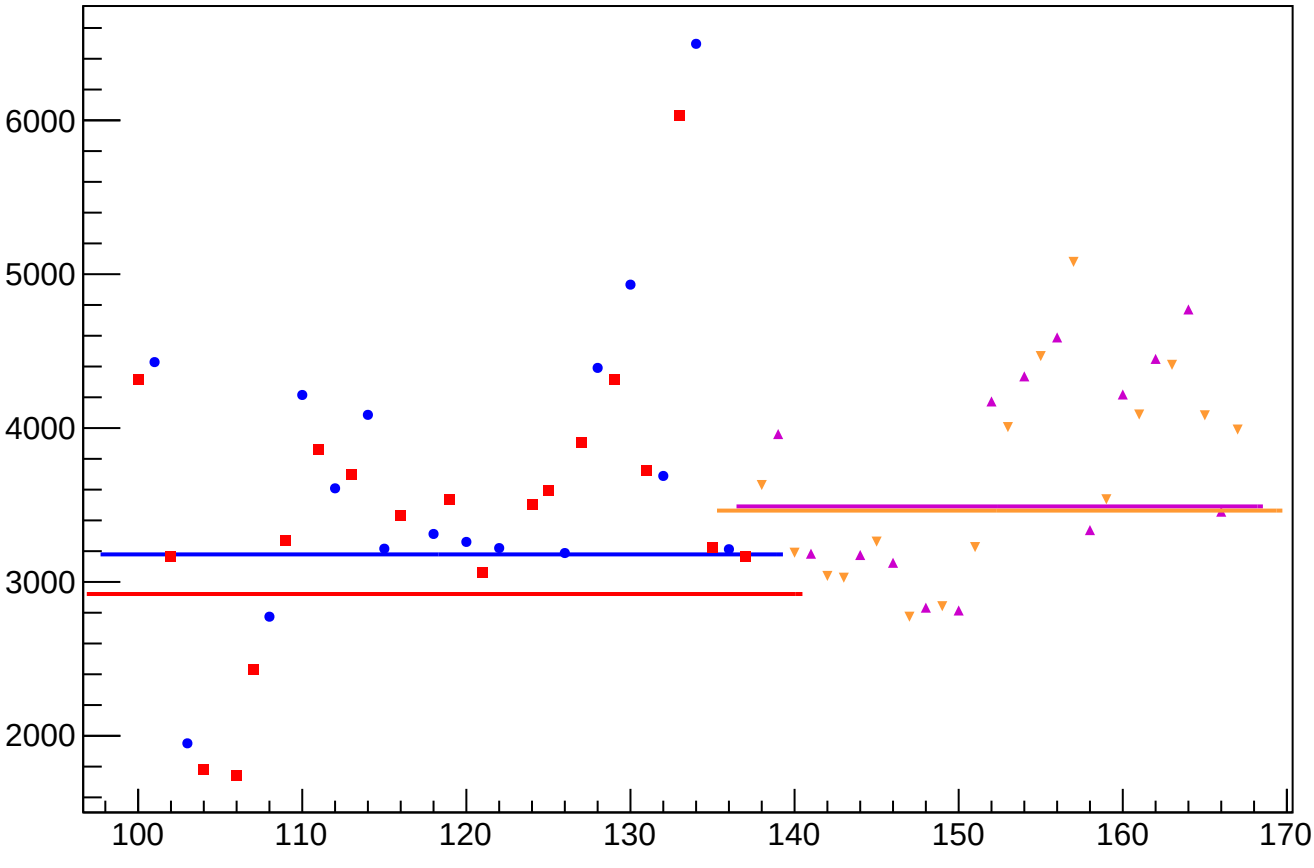
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

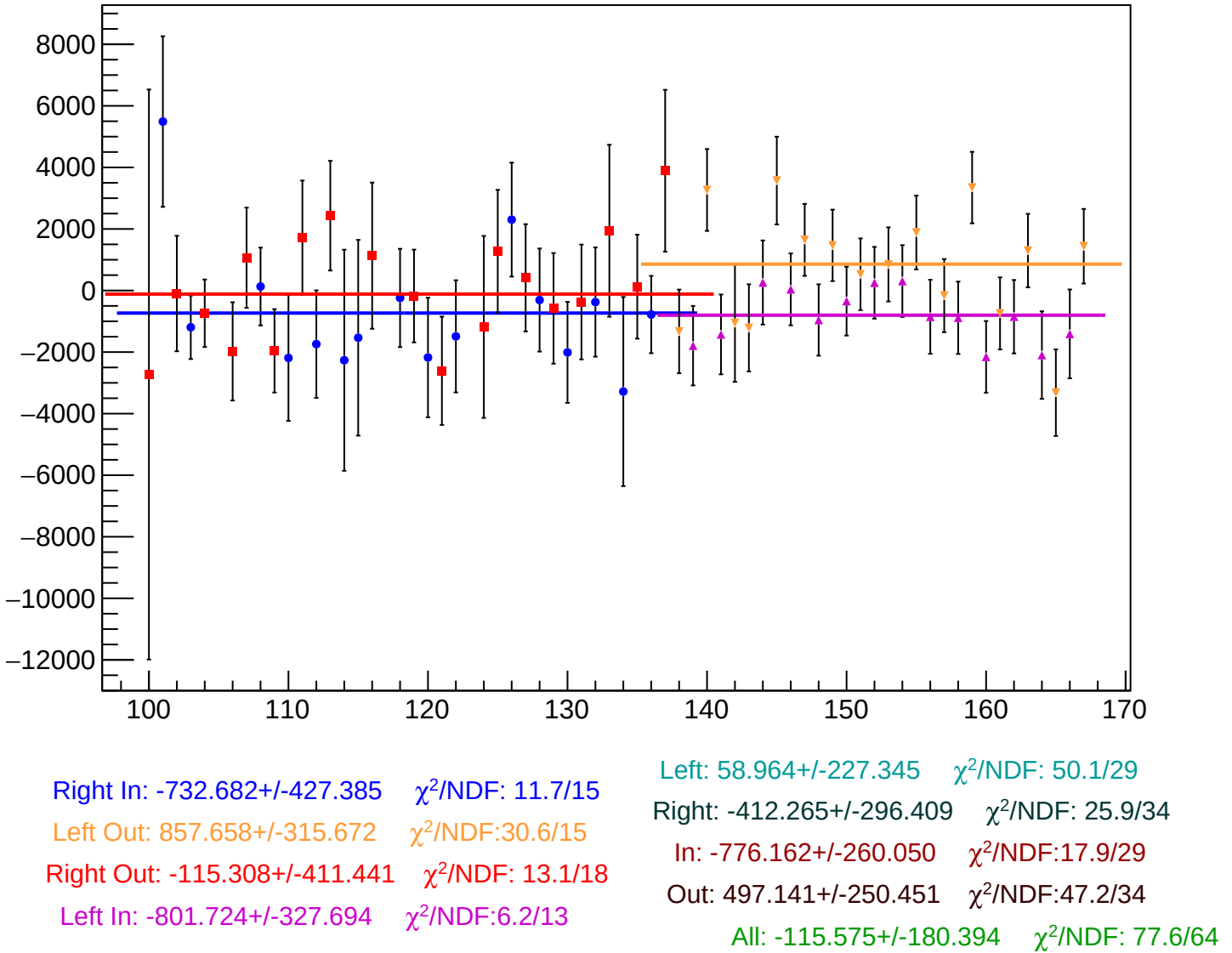
In: 1113.946+/-0.184 χ^2/NDF:893491.0/29

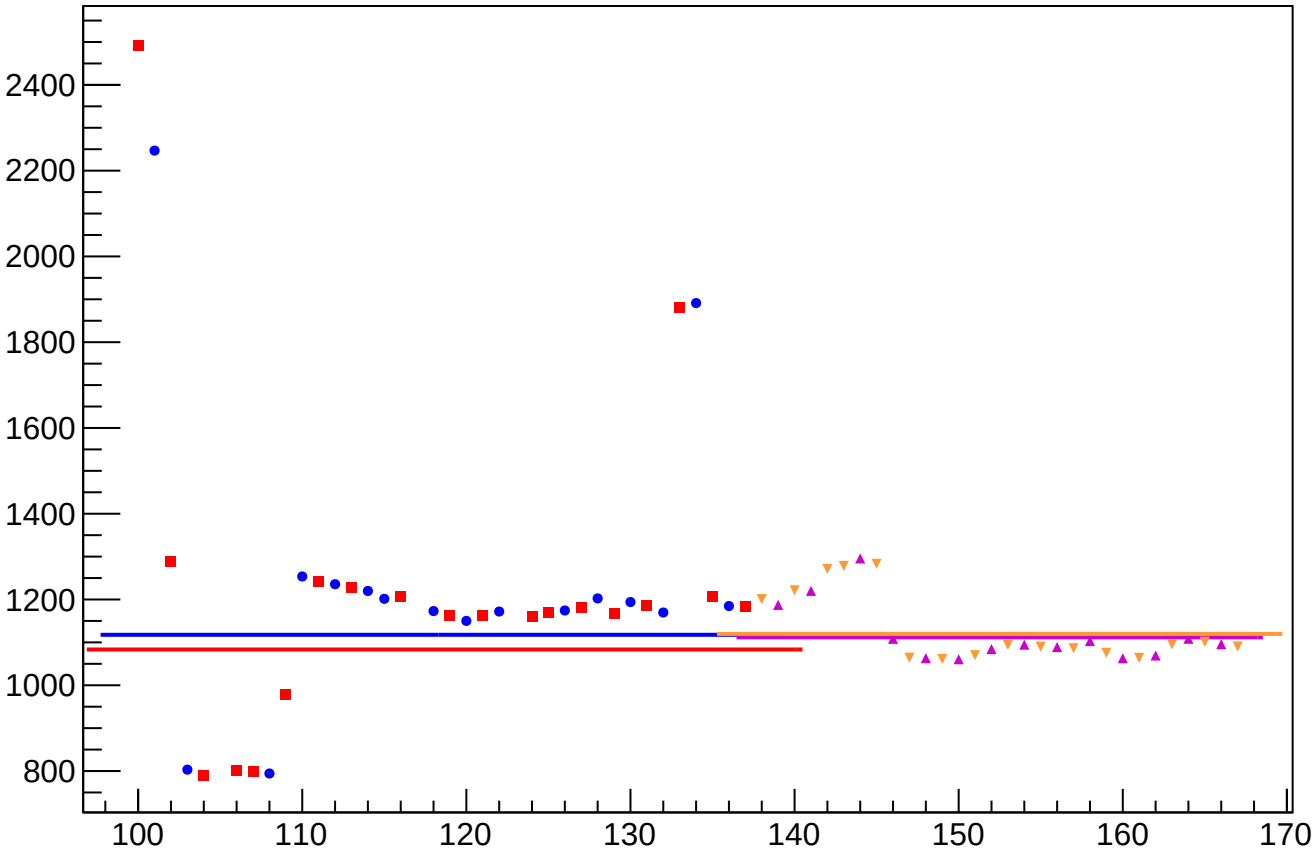
Out: 1106.237+/-0.177 χ^2/NDF:714239.6/34

All: 1109.944+/-0.128 χ^2/NDF: 1608643.0/64


asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -110.319+/-995.647 χ²/NDF:18.6/15
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -1027.337+/-1046.723 χ²/NDF:9.0/13
Left: -545.909+/-721.410 χ²/NDF: 28.0/29
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: -189.270+/-797.910 χ²/NDF:24.3/29
Out: -33.380+/-749.304 χ²/NDF:35.6/34
All: -106.432+/-546.213 χ²/NDF: 59.9/64


asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3463.726+/-0.704 χ²/NDF:709712.3/15
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3490.802+/-0.740 χ²/NDF:695354.5/13
Left: 3476.587+/-0.510 χ²/NDF: 1405769.3/29
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3360.208+/-0.564 χ²/NDF:1860908.9/29
Out: 3228.665+/-0.530 χ²/NDF:2279682.0/34
All: 3290.308+/-0.386 χ²/NDF: 4169475.6/64


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 857.658+/-315.672 χ²/NDF:30.6/15
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -801.724+/-327.694 χ²/NDF:6.2/13
Left: 58.964+/-227.345 χ²/NDF: 50.1/29
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -776.162+/-260.050 χ²/NDF:17.9/29
Out: 497.141+/-250.451 χ²/NDF:47.2/34
All: -115.575+/-180.394 χ²/NDF: 77.6/64



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1119.720+/-0.223 χ^2/NDF:109400.6/15

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1111.748+/-0.232 χ^2/NDF:73416.3/13

Left: 1115.883+/-0.161 χ^2/NDF: 183430.7/29

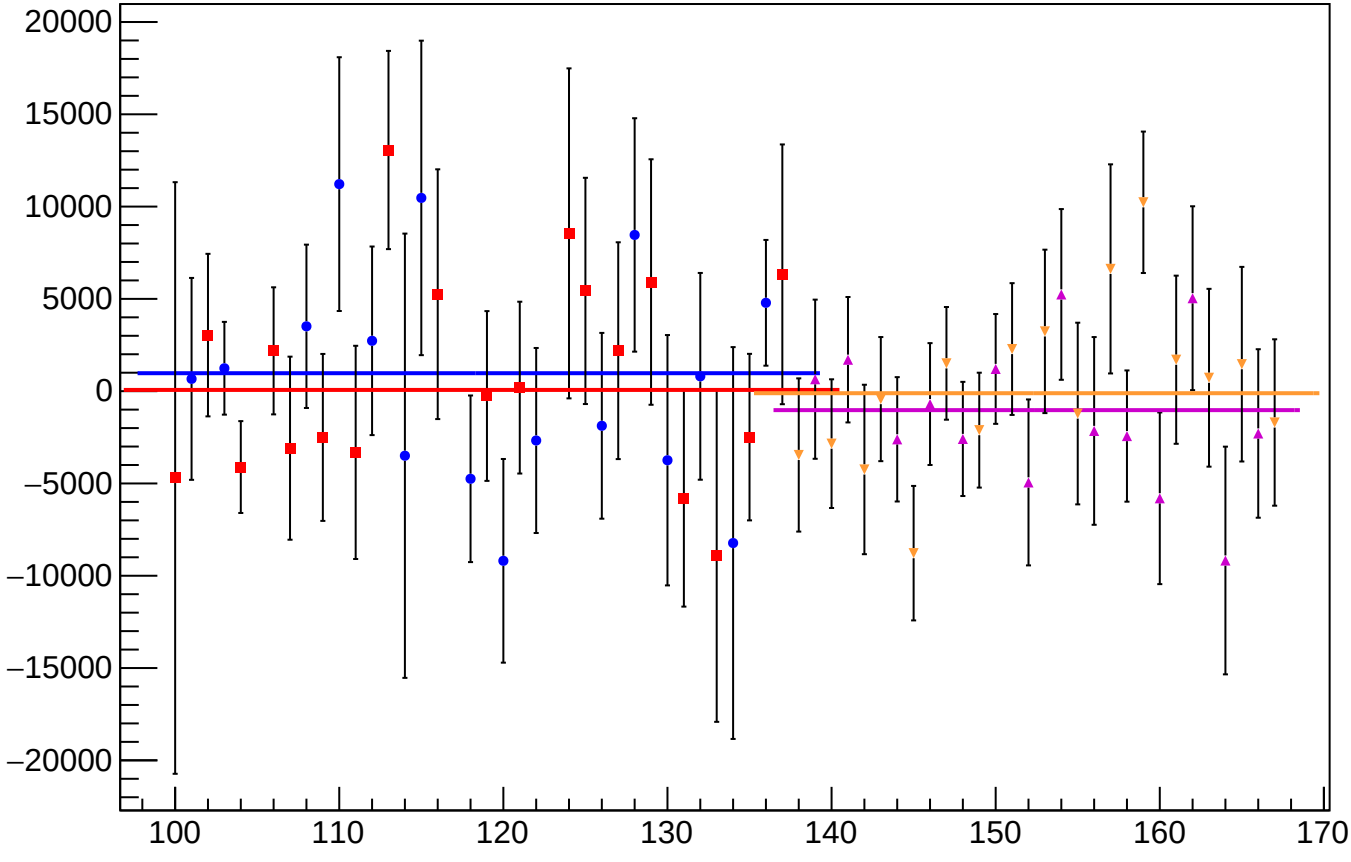
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1113.946+/-0.184 χ^2/NDF:893491.0/29

Out: 1106.237+/-0.177 χ^2/NDF:714239.6/34

All: 1109.944+/-0.128 χ^2/NDF: 1608643.0/64

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -110.319+/-995.647 χ^2/NDF:18.6/15

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -1027.337+/-1046.723 χ^2/NDF:9.0/13

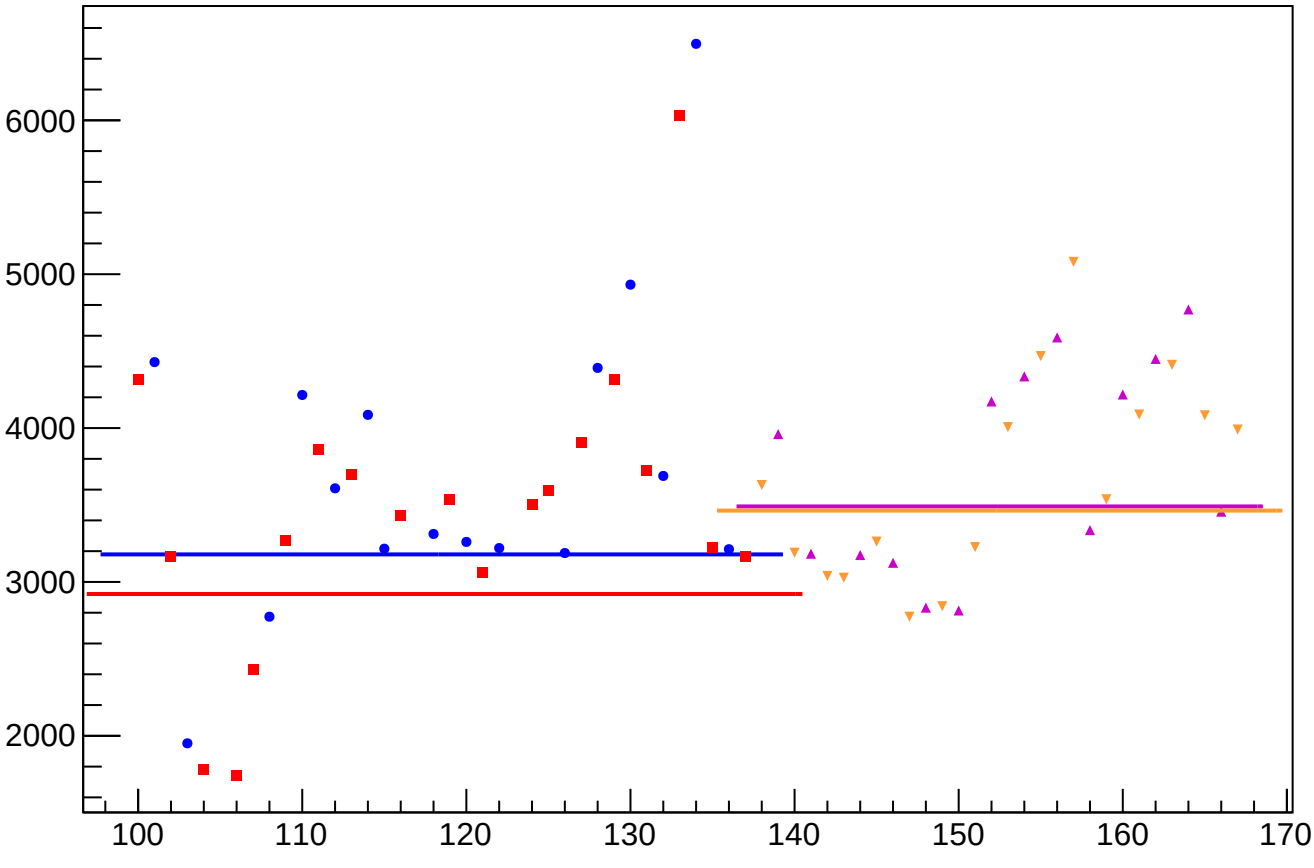
Left: -545.909+/-721.410 χ^2/NDF: 28.0/29

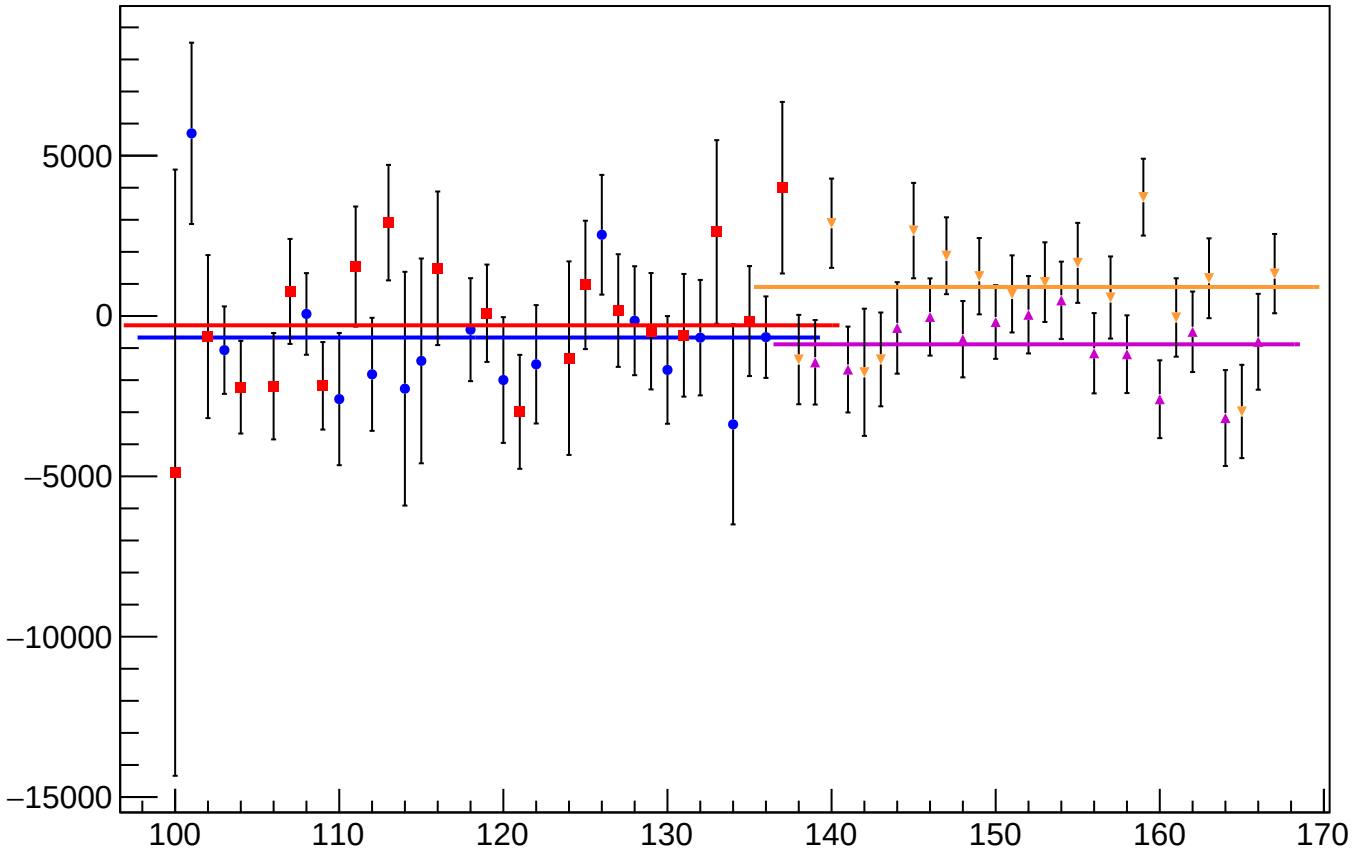
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -189.270+/-797.910 χ^2/NDF:24.3/29

Out: -33.380+/-749.304 χ^2/NDF:35.6/34

All: -106.432+/-546.213 χ^2/NDF: 59.9/64


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3463.726+/-0.704 χ²/NDF:709712.3/15
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3490.802+/-0.740 χ²/NDF:695354.5/13
Left: 3476.587+/-0.510 χ²/NDF: 1405769.3/29
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3360.208+/-0.564 χ²/NDF:1860908.9/29
Out: 3228.665+/-0.530 χ²/NDF:2279682.0/34
All: 3290.308+/-0.386 χ²/NDF: 4169475.6/64



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 905.063+/-327.240 χ^2/NDF:24.8/15

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -883.211+/-339.473 χ^2/NDF:8.0/13

Left: 43.726+/-235.600 χ^2/NDF: 47.2/29

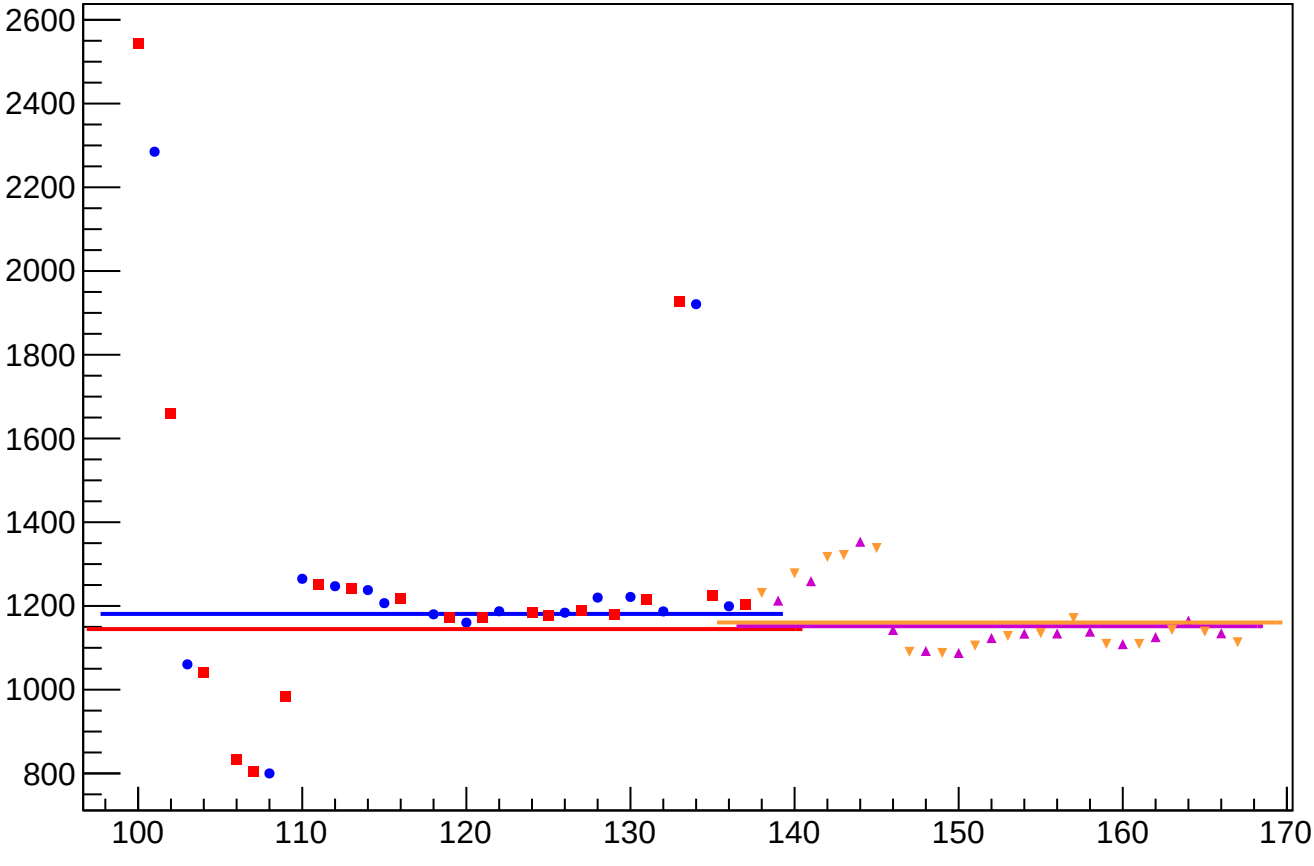
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -805.850+/-270.678 χ^2/NDF:20.0/29

Out: 472.328+/-261.381 χ^2/NDF:46.6/34

All: -144.433+/-188.025 χ^2/NDF: 78.1/64

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1160.495+/-0.231 χ^2/NDF:116405.6/15

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1151.589+/-0.240 χ^2/NDF:74368.1/13

Left: 1156.205+/-0.167 χ^2/NDF: 191487.1/29

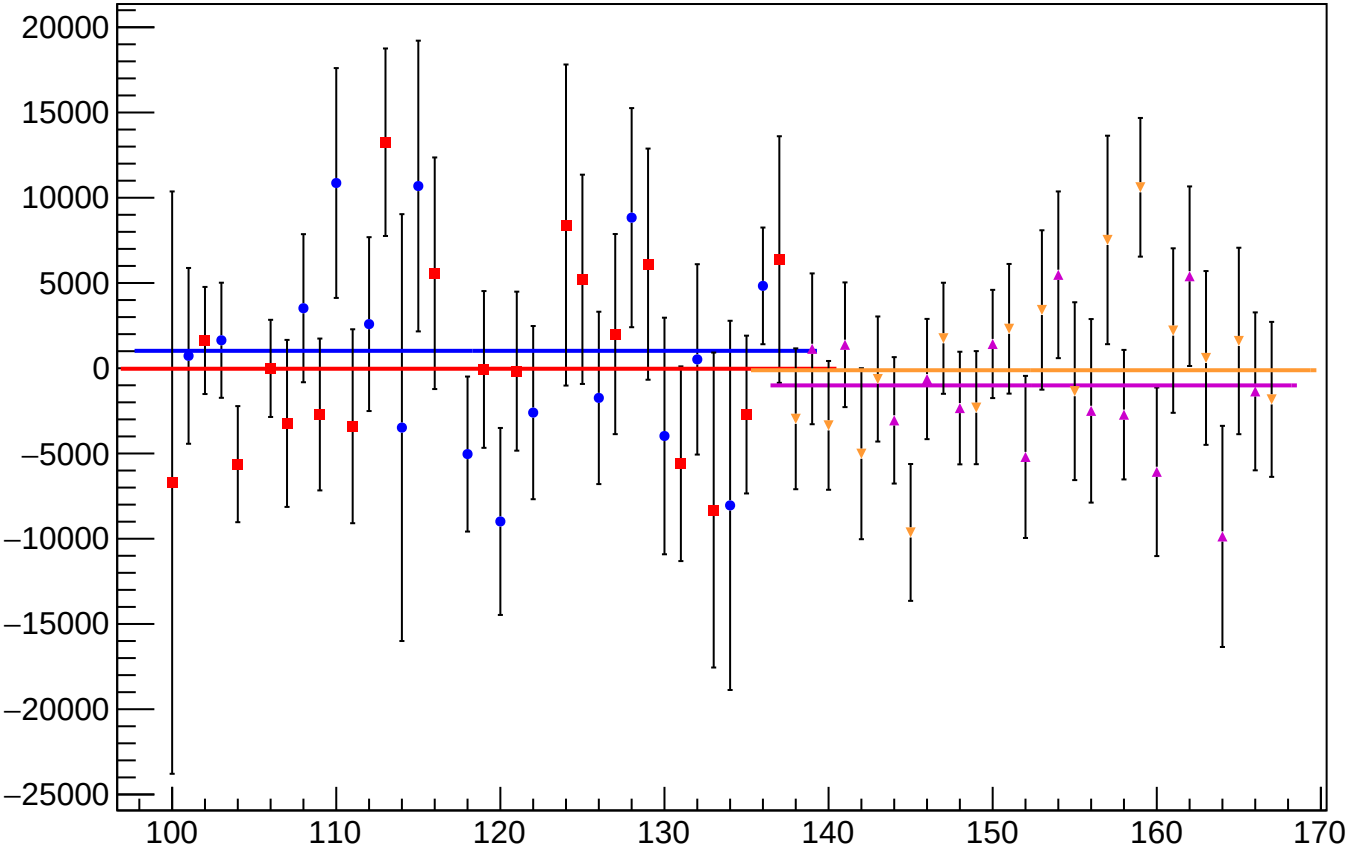
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1162.285+/-0.191 χ^2/NDF:701698.0/29

Out: 1154.801+/-0.185 χ^2/NDF:615807.5/34

All: 1158.412+/-0.133 χ^2/NDF: 1318296.8/64

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -117.039+/-1058.710 χ^2/NDF:18.6/15

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -1006.476+/-1113.017 χ^2/NDF:8.9/13

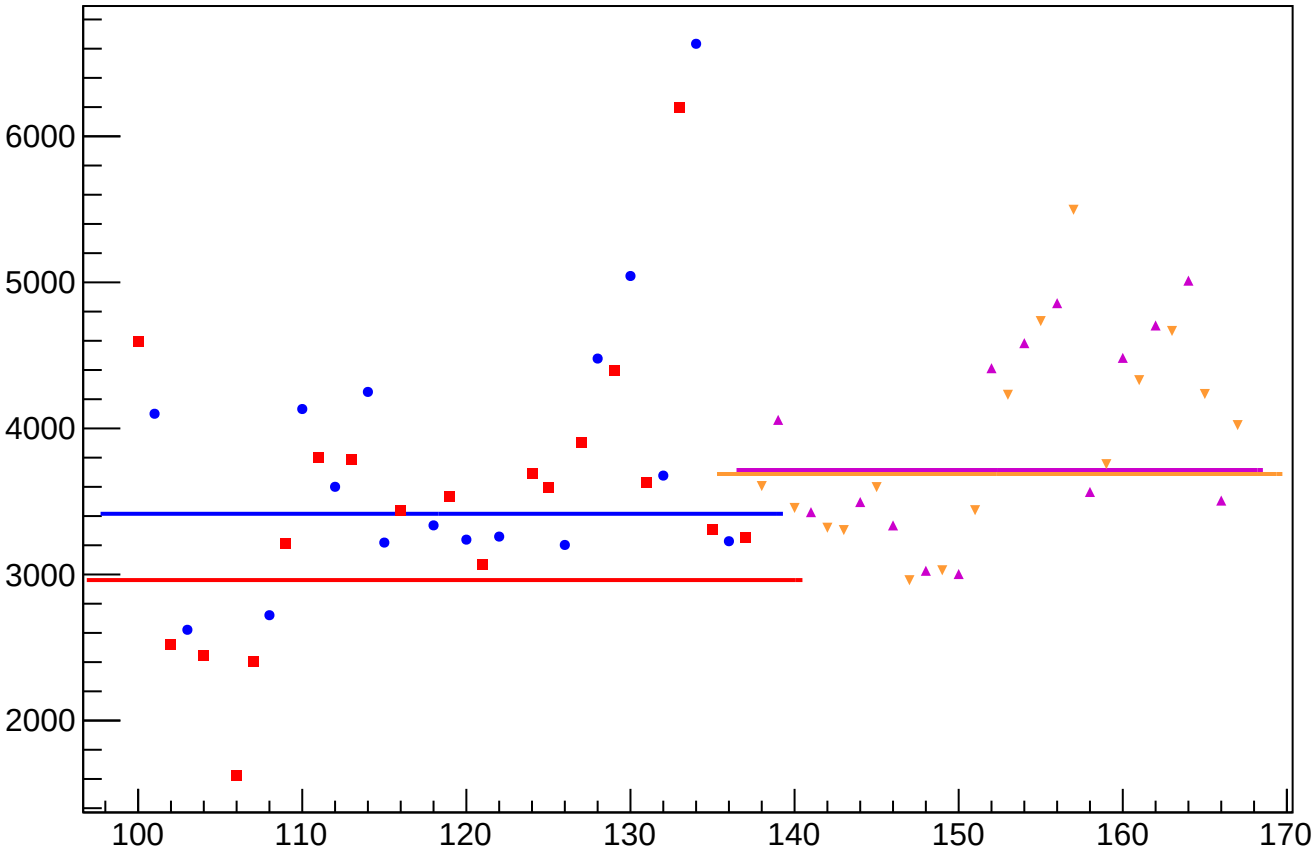
Left: -539.530+/-767.102 χ^2/NDF: 27.9/29

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: -150.737+/-846.141 χ^2/NDF:24.2/29

Out: -76.443+/-772.833 χ^2/NDF:34.8/34

All: -110.233+/-570.635 χ^2/NDF: 59.0/64



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3688.028+/-0.749 χ^2/NDF:652538.2/15

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3715.344+/-0.787 χ^2/NDF:644744.3/13

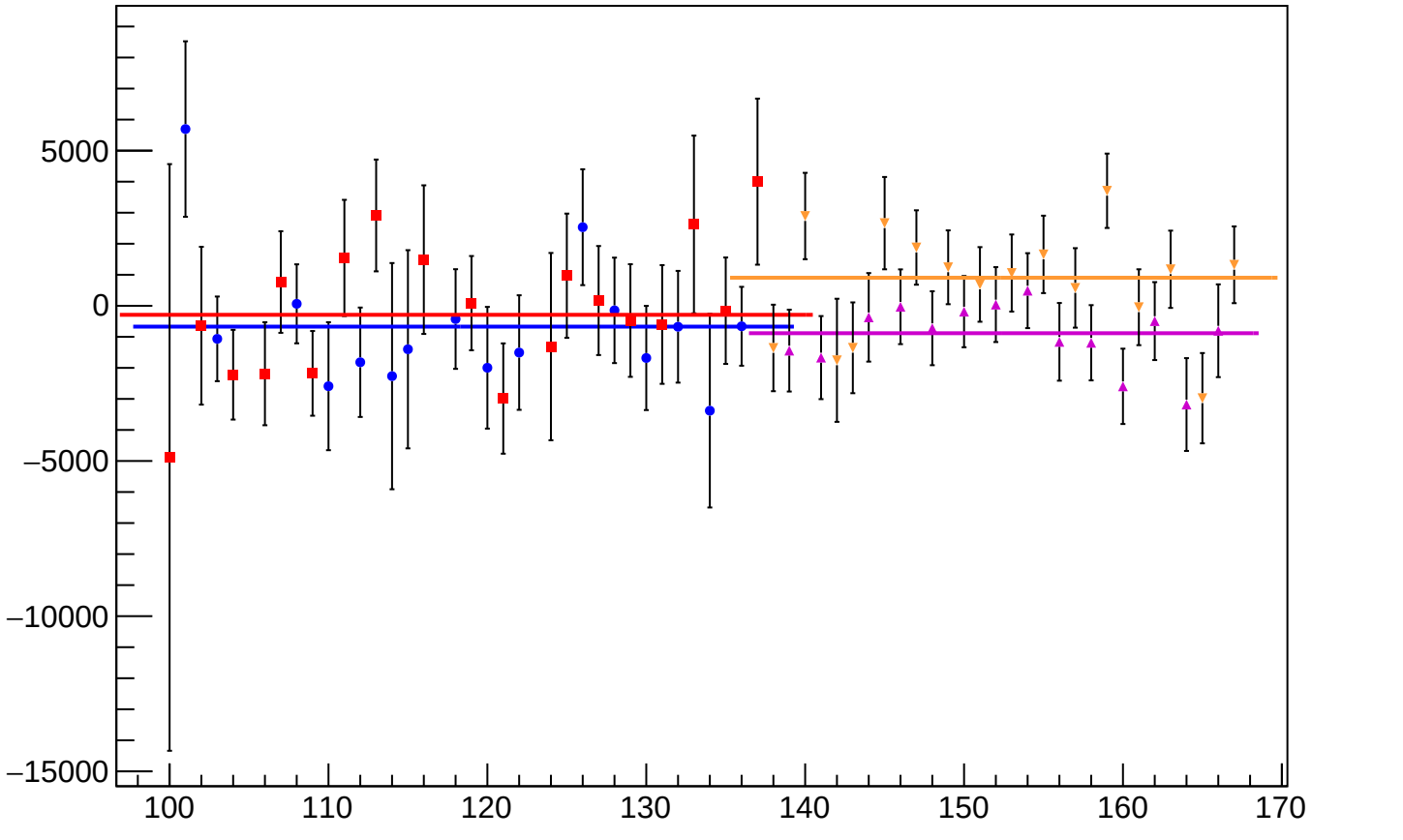
Left: 3701.003+/-0.542 χ^2/NDF: 1297914.9/29

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3588.831+/-0.598 χ^2/NDF:1298311.9/29

Out: 3348.780+/-0.546 χ^2/NDF:2261405.2/34

All: 3457.958+/-0.403 χ^2/NDF: 3647477.8/64



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 905.070+/-327.240 χ^2/NDF:24.8/15

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -883.211+/-339.473 χ^2/NDF:8.0/13

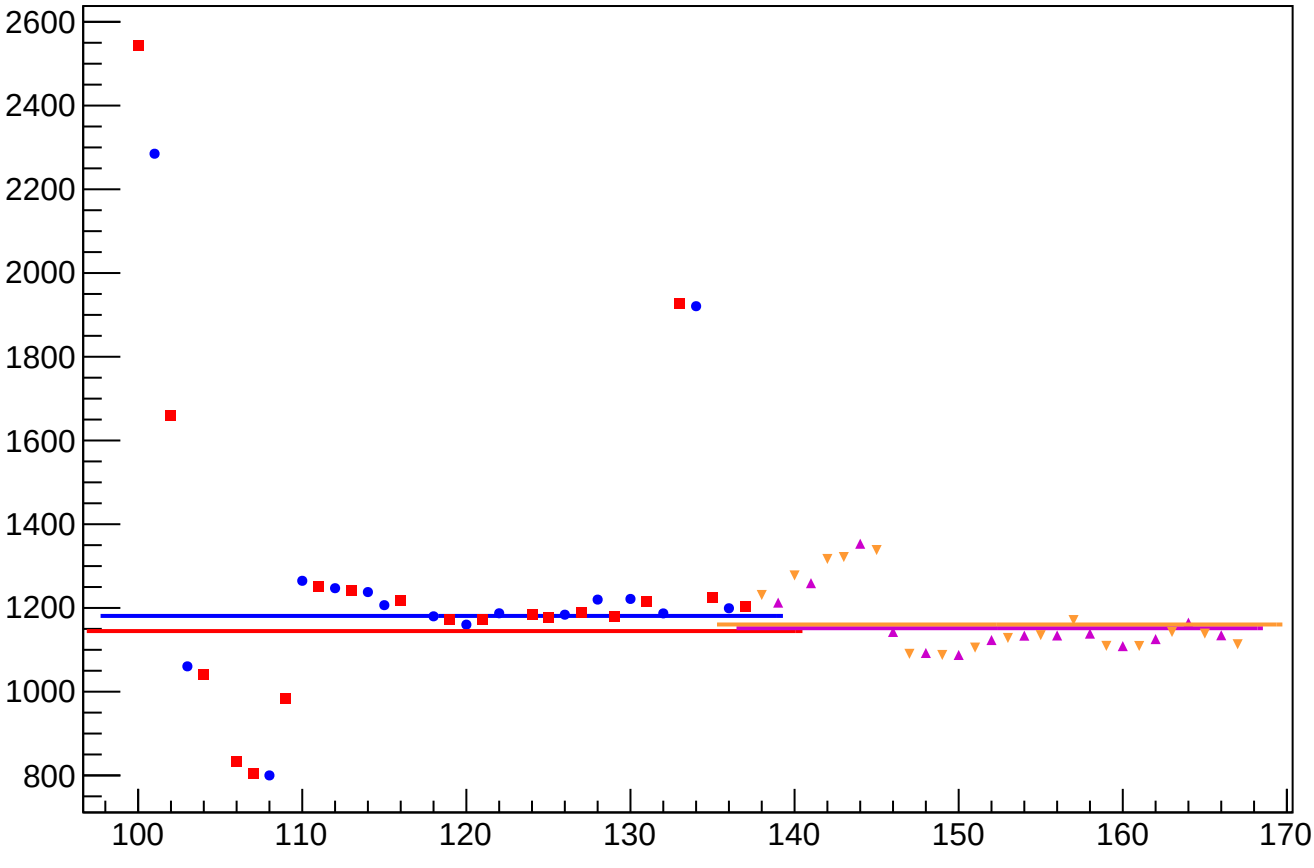
Left: 43.730+/-235.600 χ^2/NDF: 47.2/29

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

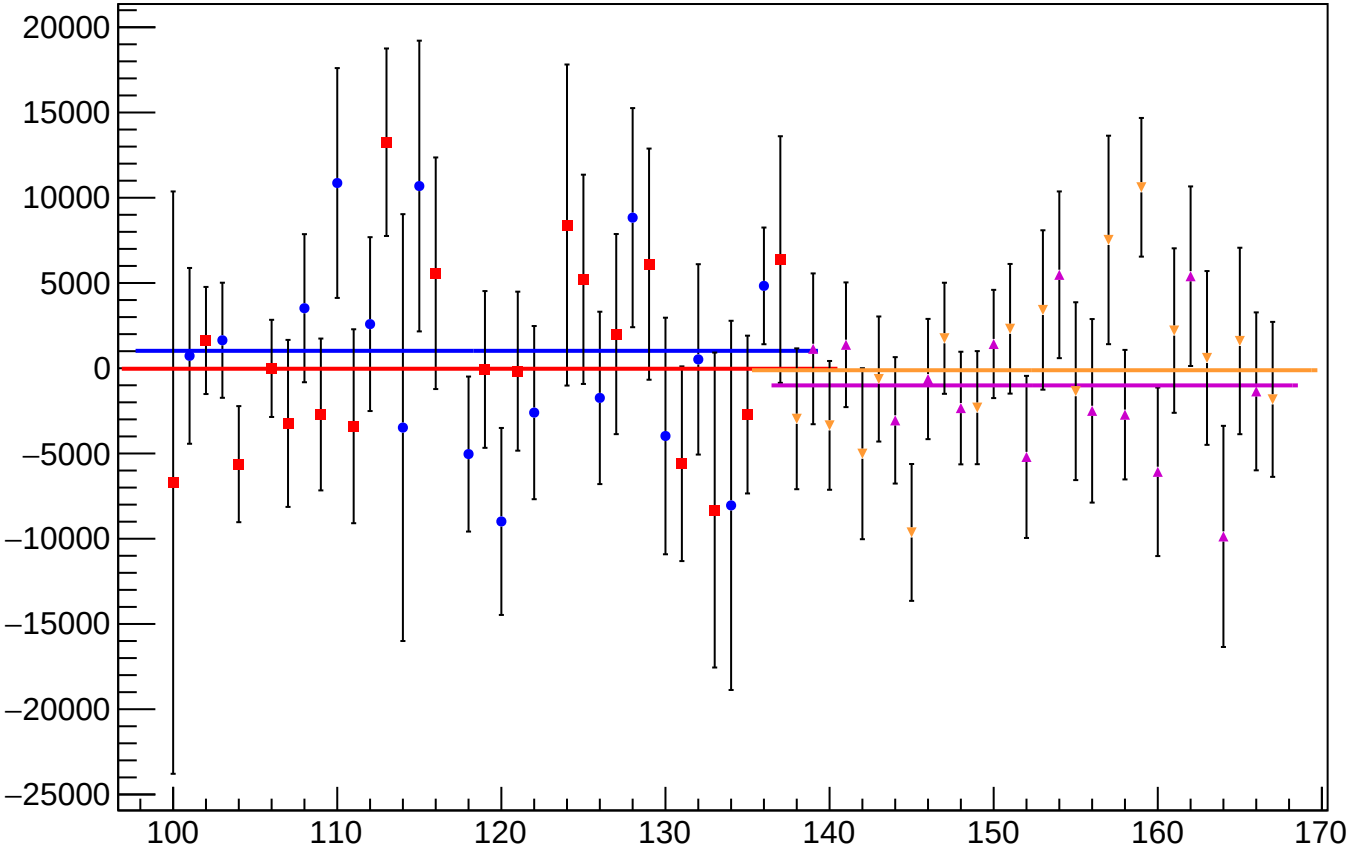
In: -805.852+/-270.678 χ^2/NDF:20.0/29

Out: 472.330+/-261.381 χ^2/NDF:46.6/34

All: -144.433+/-188.025 χ^2/NDF: 78.1/64


eigen_dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1180.955+/-0.317 χ²/NDF: 621878.9/15
Left Out: 1160.496+/-0.231 χ²/NDF:116405.2/15
Right Out: 1144.777+/-0.307 χ²/NDF: 497730.2/18
Left In: 1151.590+/-0.240 χ²/NDF:74367.6/13
Left: 1156.206+/-0.167 χ²/NDF: 191486.2/29
Right: 1162.281+/-0.221 χ²/NDF: 1126326.4/34
In: 1162.286+/-0.191 χ²/NDF:701697.3/29
Out: 1154.802+/-0.185 χ²/NDF:615806.9/34
All: 1158.413+/-0.133 χ²/NDF: 1318295.5/64

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -117.036+/-1058.712 χ^2/NDF:18.6/15

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -1006.473+/-1113.018 χ^2/NDF:8.9/13

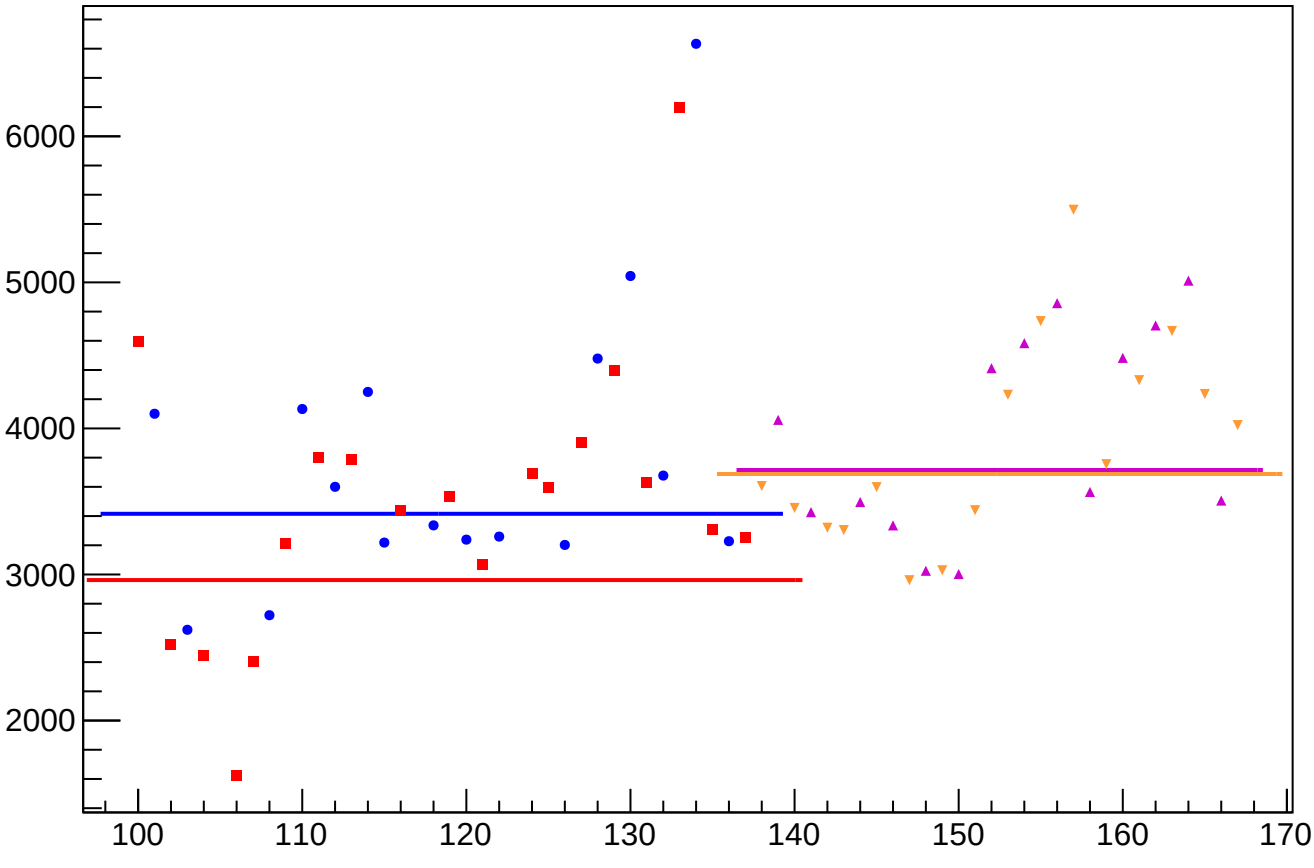
Left: -539.527+/-767.103 χ^2/NDF: 27.9/29

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: -150.740+/-846.141 χ^2/NDF:24.2/29

Out: -76.444+/-772.833 χ^2/NDF:34.8/34

All: -110.235+/-570.635 χ^2/NDF: 59.0/64



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3688.034+/-0.749 χ^2/NDF:652538.6/15

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3715.349+/-0.787 χ^2/NDF:644743.2/13

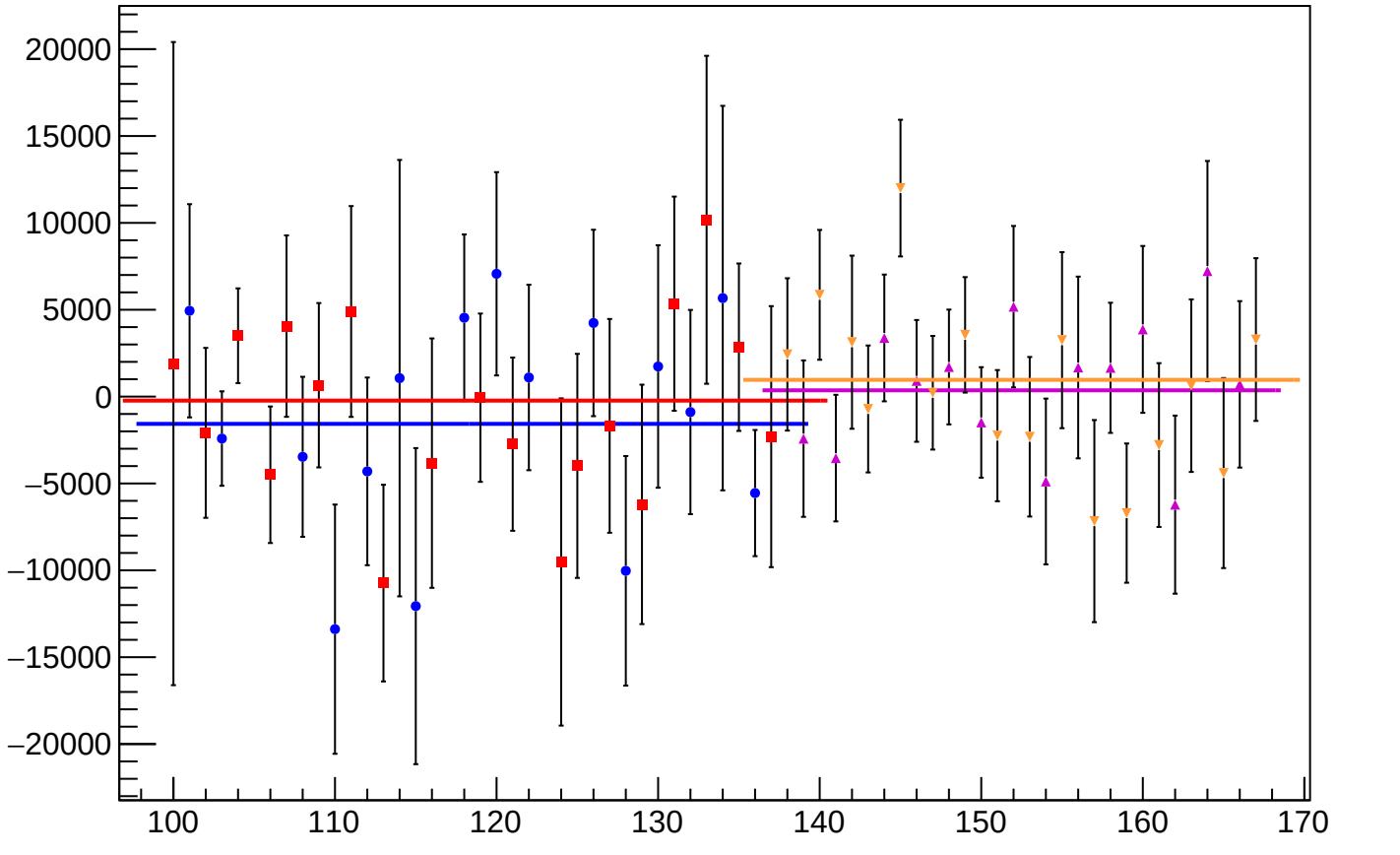
Left: 3701.009+/-0.542 χ^2/NDF: 1297914.3/29

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3588.833+/-0.598 χ^2/NDF:1298309.5/29

Out: 3348.780+/-0.546 χ^2/NDF:2261418.2/34

All: 3457.959+/-0.404 χ^2/NDF: 3647489.5/64



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 965.539+/-1053.894 χ^2/NDF:19.7/15

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 361.459+/-1104.578 χ^2/NDF:8.6/13

Left: 677.676+/-762.504 χ^2/NDF: 28.4/29

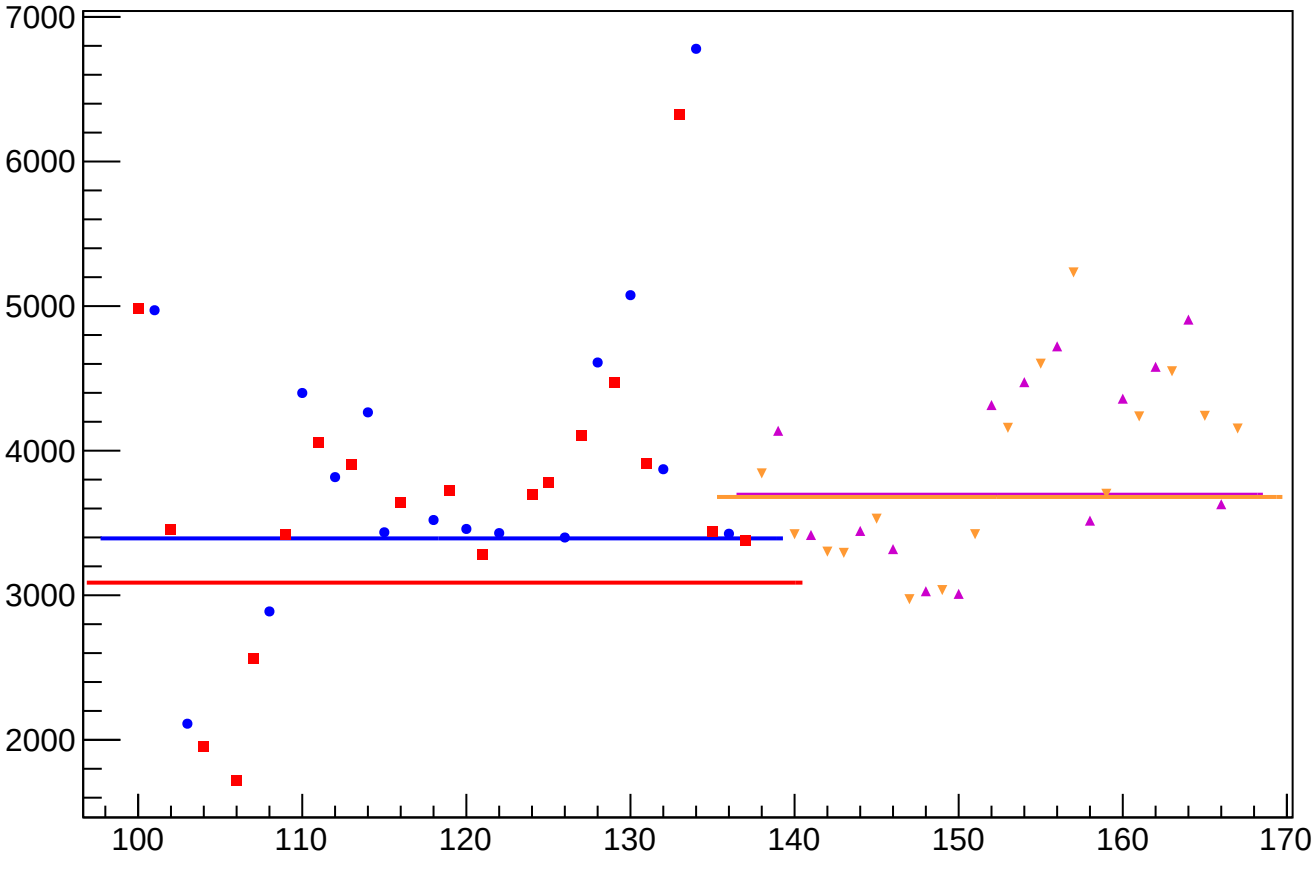
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -438.952+/-845.238 χ^2/NDF:24.3/29

Out: 456.227+/-798.730 χ^2/NDF:33.4/34

All: 33.942+/-580.533 χ^2/NDF: 58.3/64

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3679.940+/-0.745 χ^2/NDF:588178.9/15

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3695.436+/-0.781 χ^2/NDF:579754.1/13

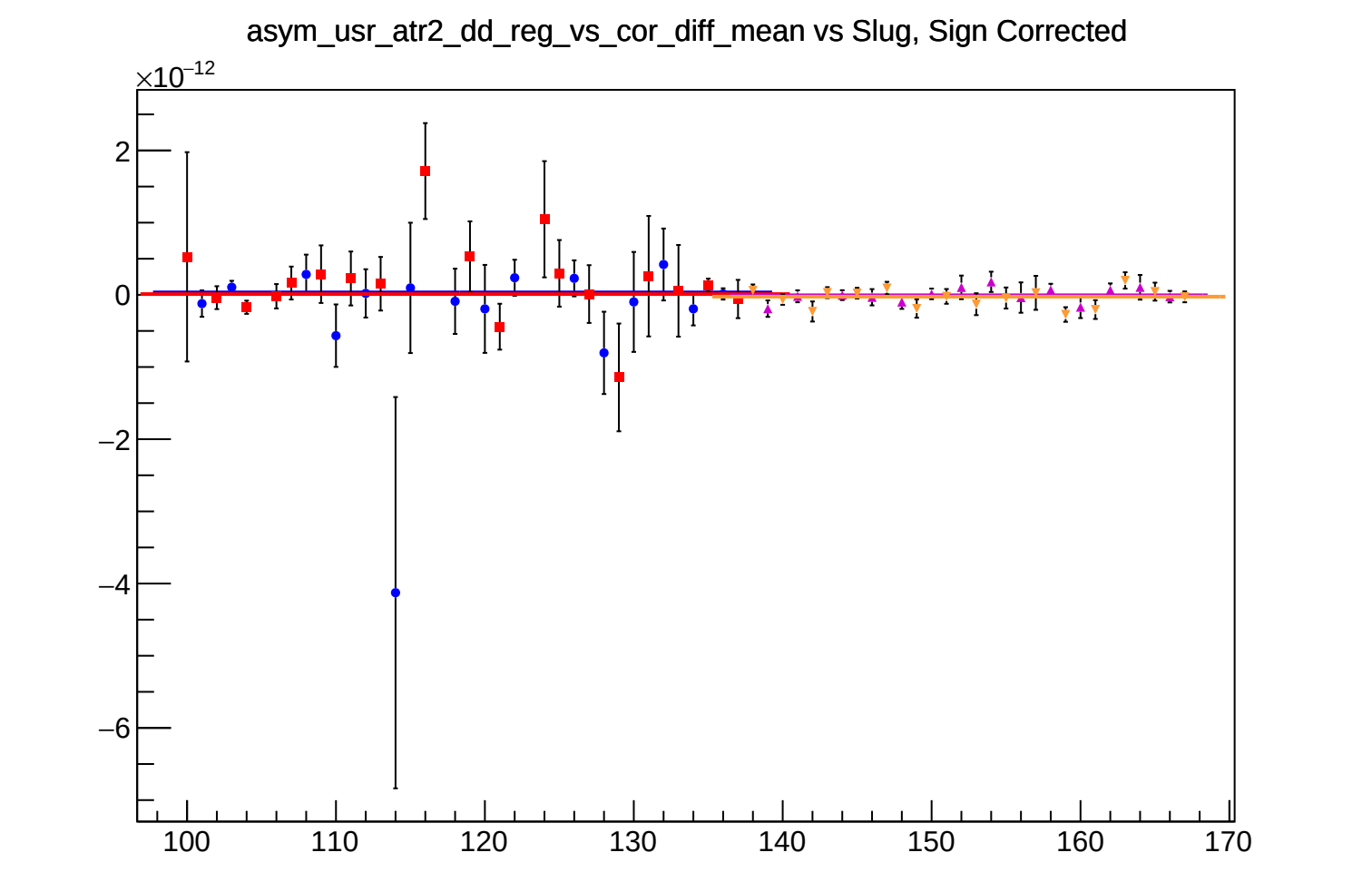
Left: 3687.324+/-0.539 χ^2/NDF: 1168139.0/29

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3570.243+/-0.598 χ^2/NDF:1690452.1/29

Out: 3422.803+/-0.561 χ^2/NDF:2190936.6/34

All: 3491.822+/-0.409 χ^2/NDF: 3913756.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/13

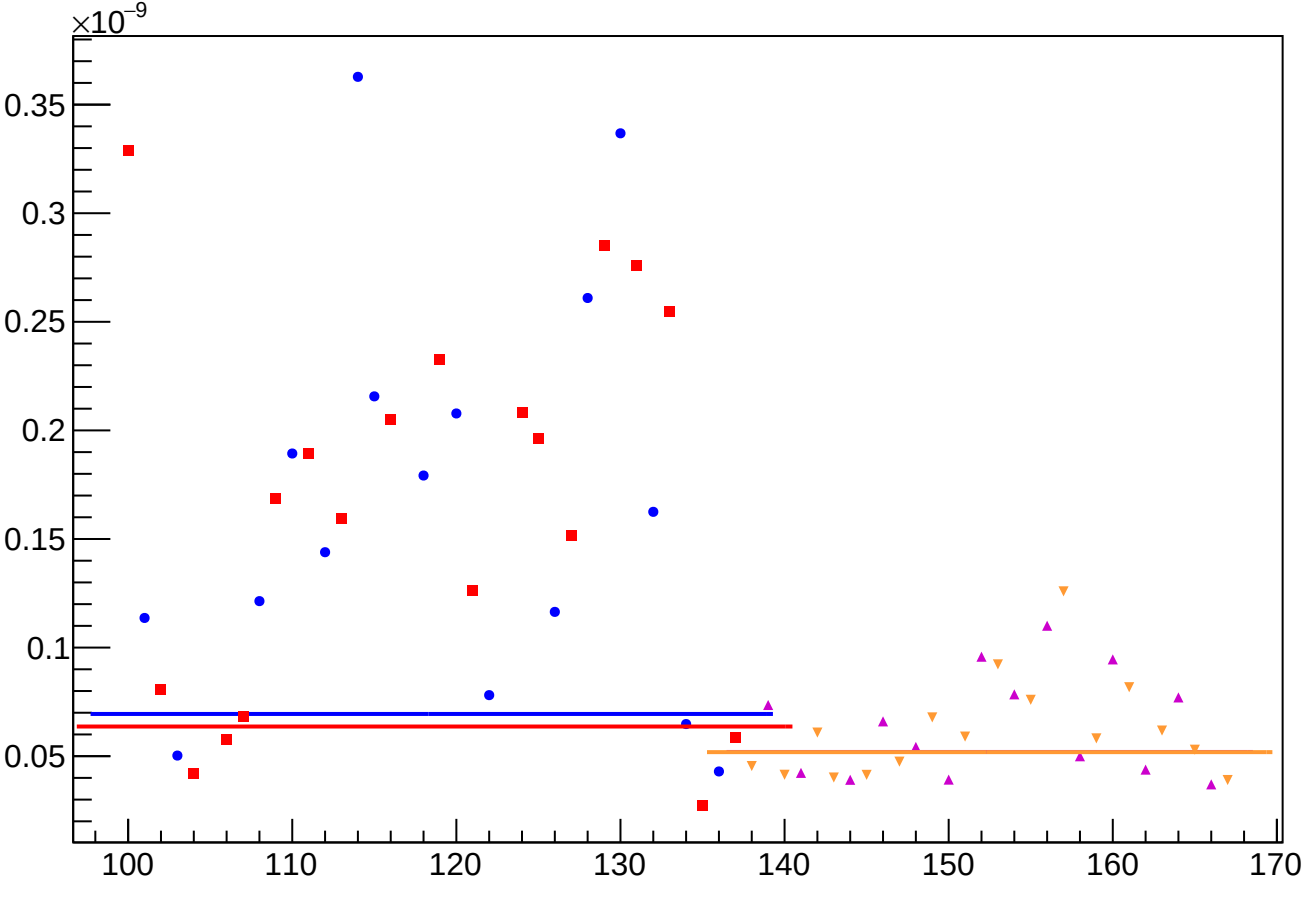
Left: -0.000+/-0.000 χ^2/NDF: 29.8/29

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:21.3/29

Out: -0.000+/-0.000 χ^2/NDF:42.9/34

All: -0.000+/-0.000 χ^2/NDF: 64.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:775420.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:915080.1/13

Left: 0.000+/-0.000 χ^2/NDF: 1690509.2/29

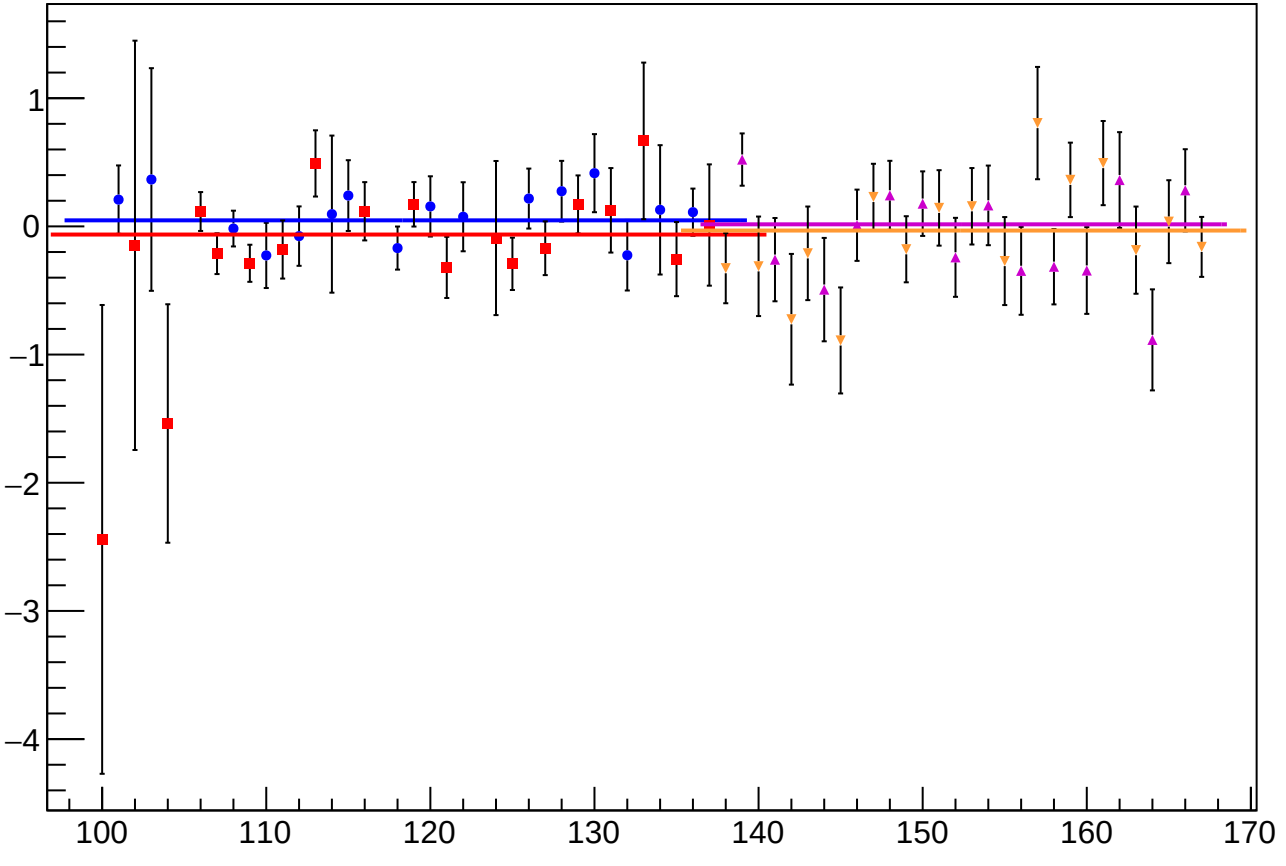
Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2841837.0/29

Out: 0.000+/-0.000 χ^2/NDF:3116172.4/34

All: 0.000+/-0.000 χ^2/NDF: 5963513.0/64

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.032+/-0.079 χ^2/NDF:19.3/15

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.016+/-0.080 χ^2/NDF:20.8/13

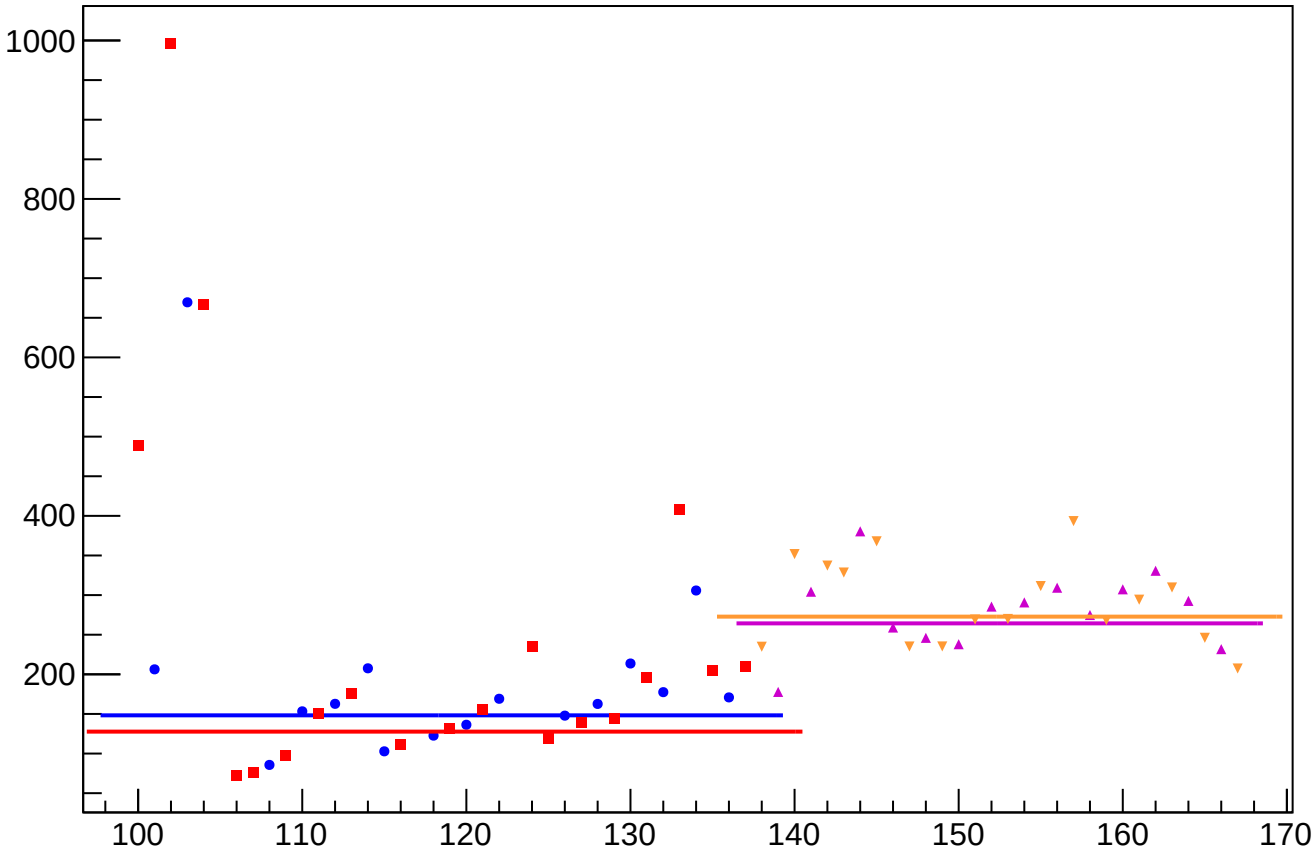
Left: -0.009+/-0.056 χ^2/NDF: 40.2/29

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

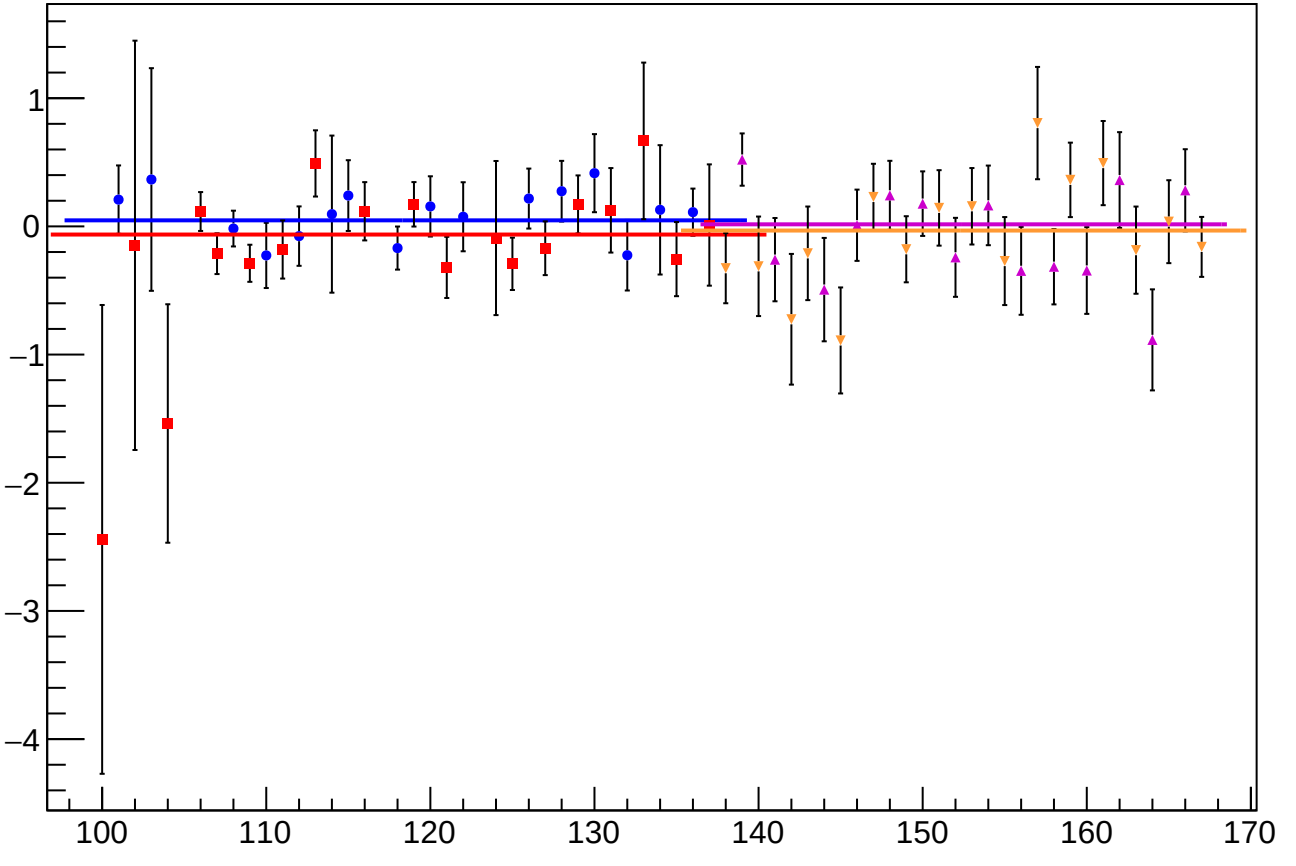
In: 0.036+/-0.048 χ^2/NDF:29.4/29

Out: -0.054+/-0.045 χ^2/NDF:41.6/34

All: -0.012+/-0.033 χ^2/NDF: 72.9/64


asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 148.240+/-0.042 χ²/NDF: 1710035.6/15
Left Out: 272.825+/-0.056 χ²/NDF:770194.7/15
Right Out: 127.685+/-0.039 χ²/NDF: 2841780.7/18
Left In: 264.308+/-0.057 χ²/NDF:775119.4/13
Left: 268.648+/-0.040 χ²/NDF: 1556786.0/29
Right: 137.004+/-0.029 χ²/NDF: 4680006.1/34
In: 189.869+/-0.034 χ²/NDF:5166889.0/29
Out: 174.879+/-0.032 χ²/NDF:8196094.7/34
All: 181.864+/-0.023 χ²/NDF: 13466822.4/64

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.032+/-0.079 χ^2/NDF:19.3/15

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.016+/-0.080 χ^2/NDF:20.8/13

Left: -0.009+/-0.056 χ^2/NDF: 40.2/29

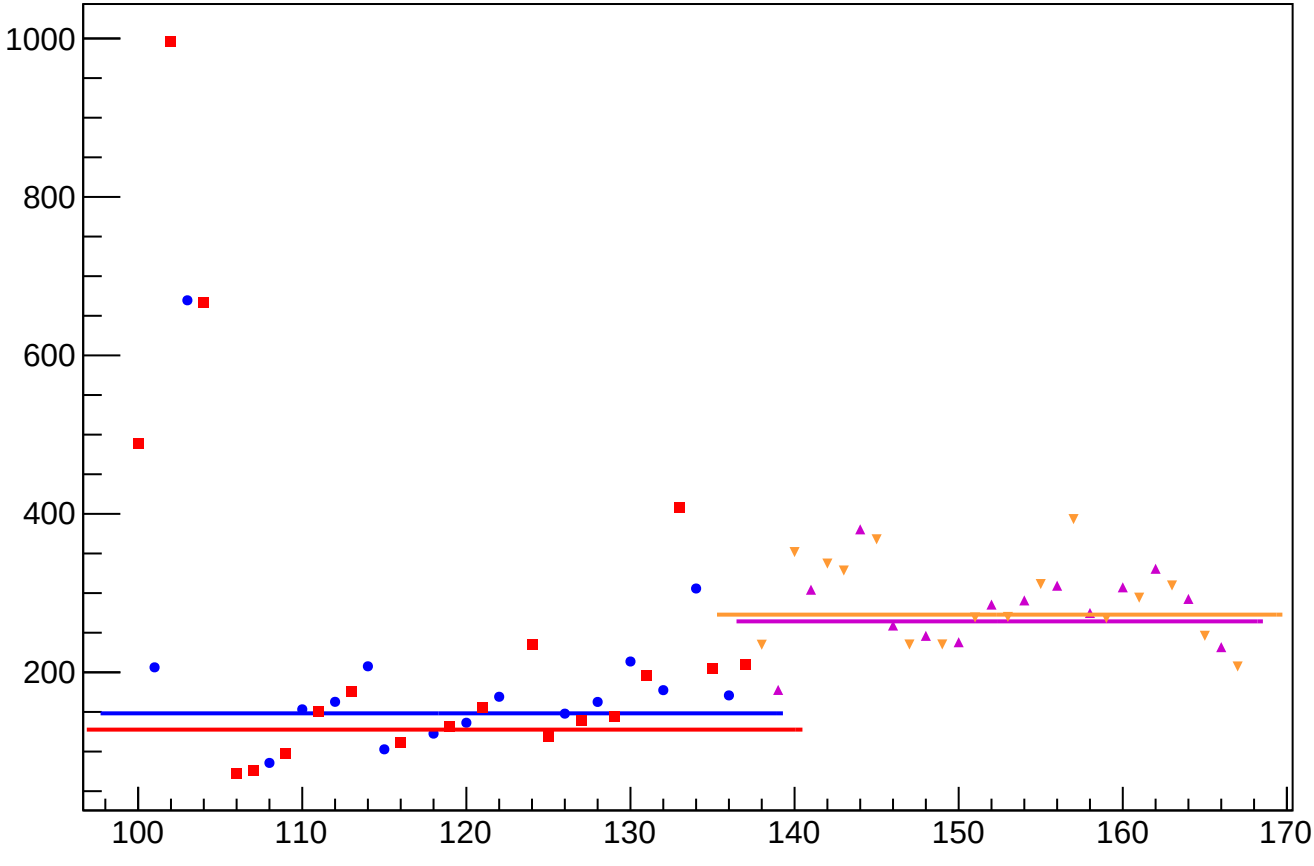
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.036+/-0.048 χ^2/NDF:29.4/29

Out: -0.054+/-0.045 χ^2/NDF:41.6/34

All: -0.012+/-0.033 χ^2/NDF: 72.9/64

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 272.825+/-0.056 χ^2/NDF:770194.7/15

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 264.308+/-0.057 χ^2/NDF:775119.4/13

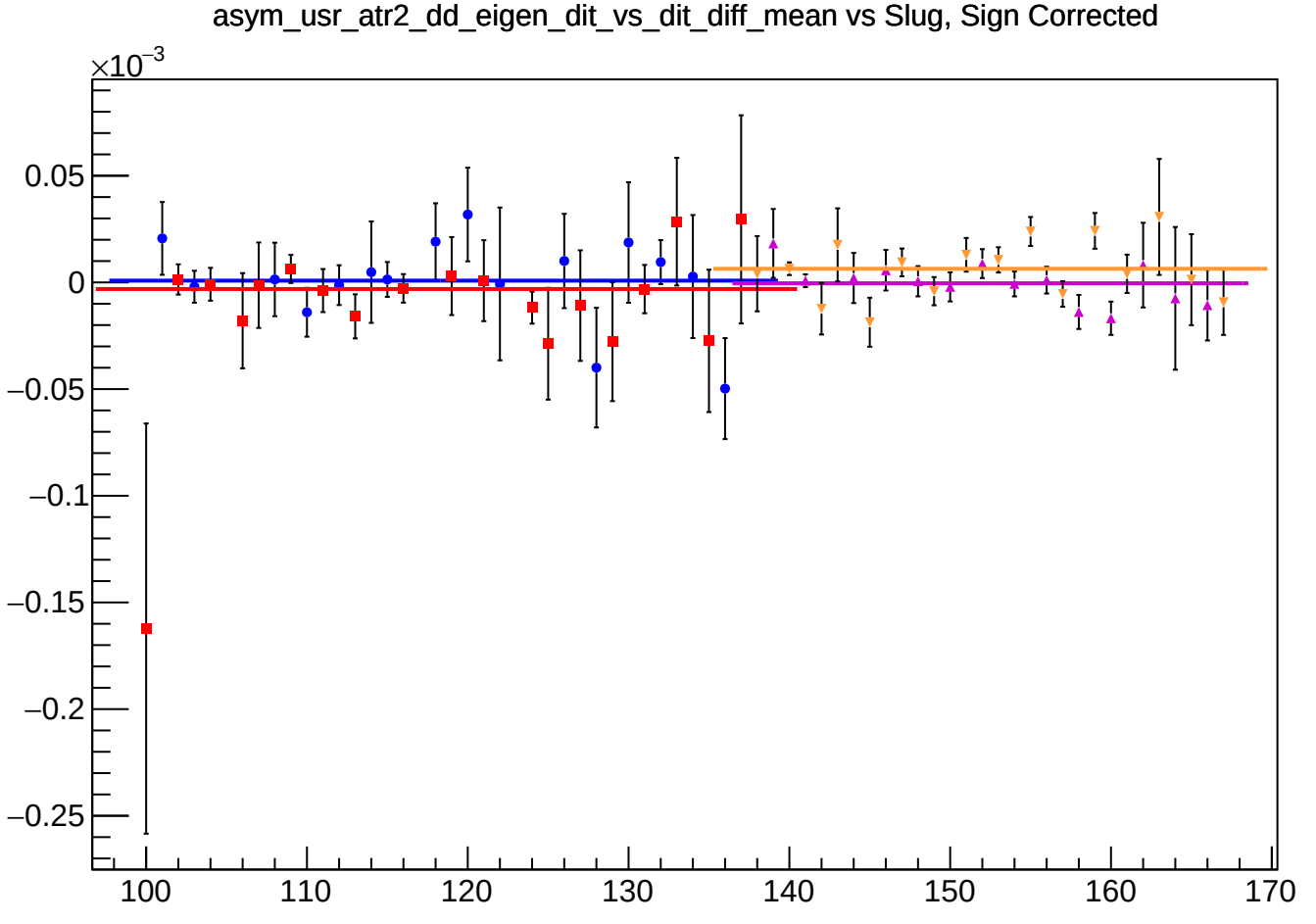
Left: 268.648+/-0.040 χ^2/NDF: 1556786.0/29

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 189.869+/-0.034 χ^2/NDF:5166889.0/29

Out: 174.879+/-0.032 χ^2/NDF:8196094.7/34

All: 181.864+/-0.023 χ^2/NDF: 13466822.4/64



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/13

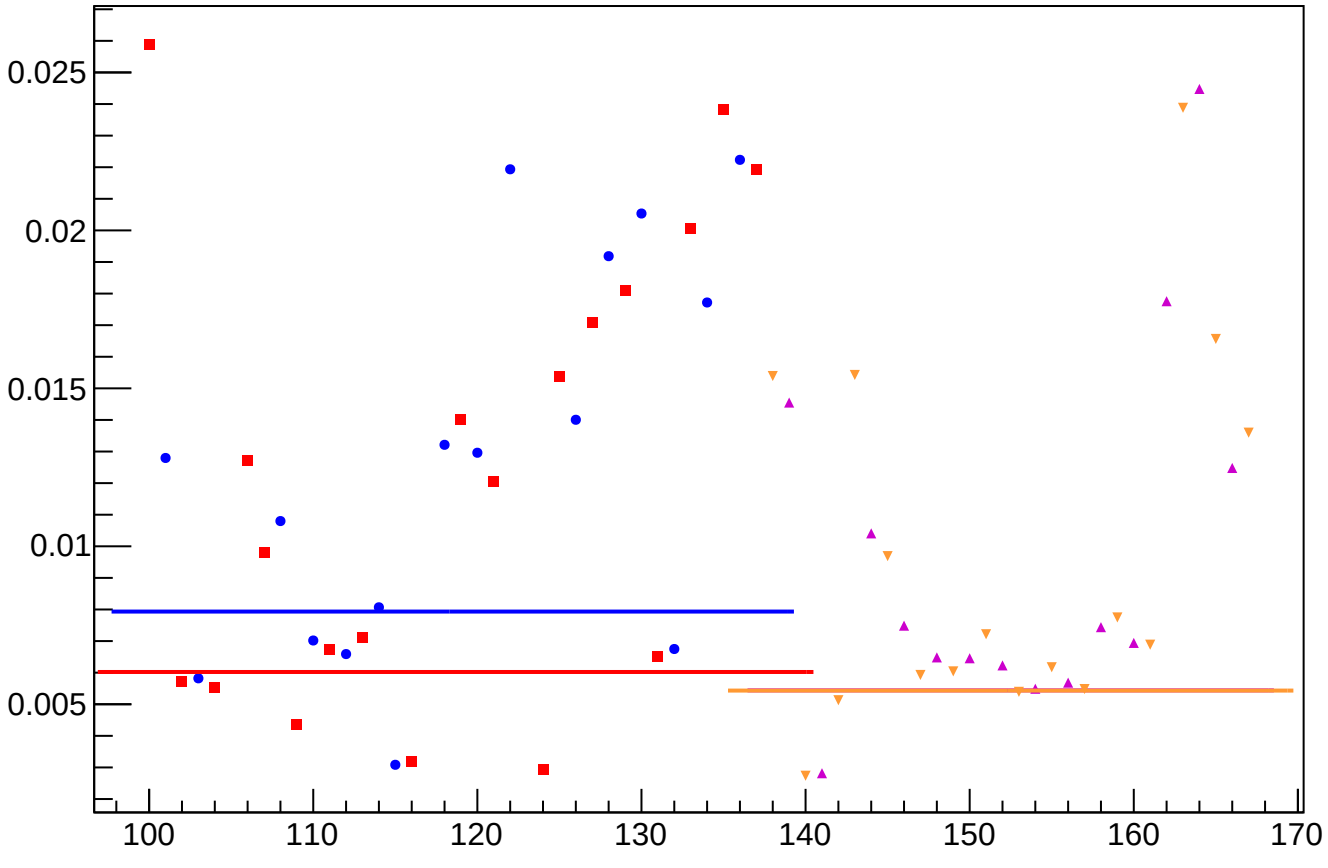
Left: 0.000+/-0.000 χ^2/NDF: 47.1/29

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:26.2/29

Out: 0.000+/-0.000 χ^2/NDF:49.9/34

All: 0.000+/-0.000 χ^2/NDF: 78.6/64



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:5614279.8/15

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:4713799.5/13

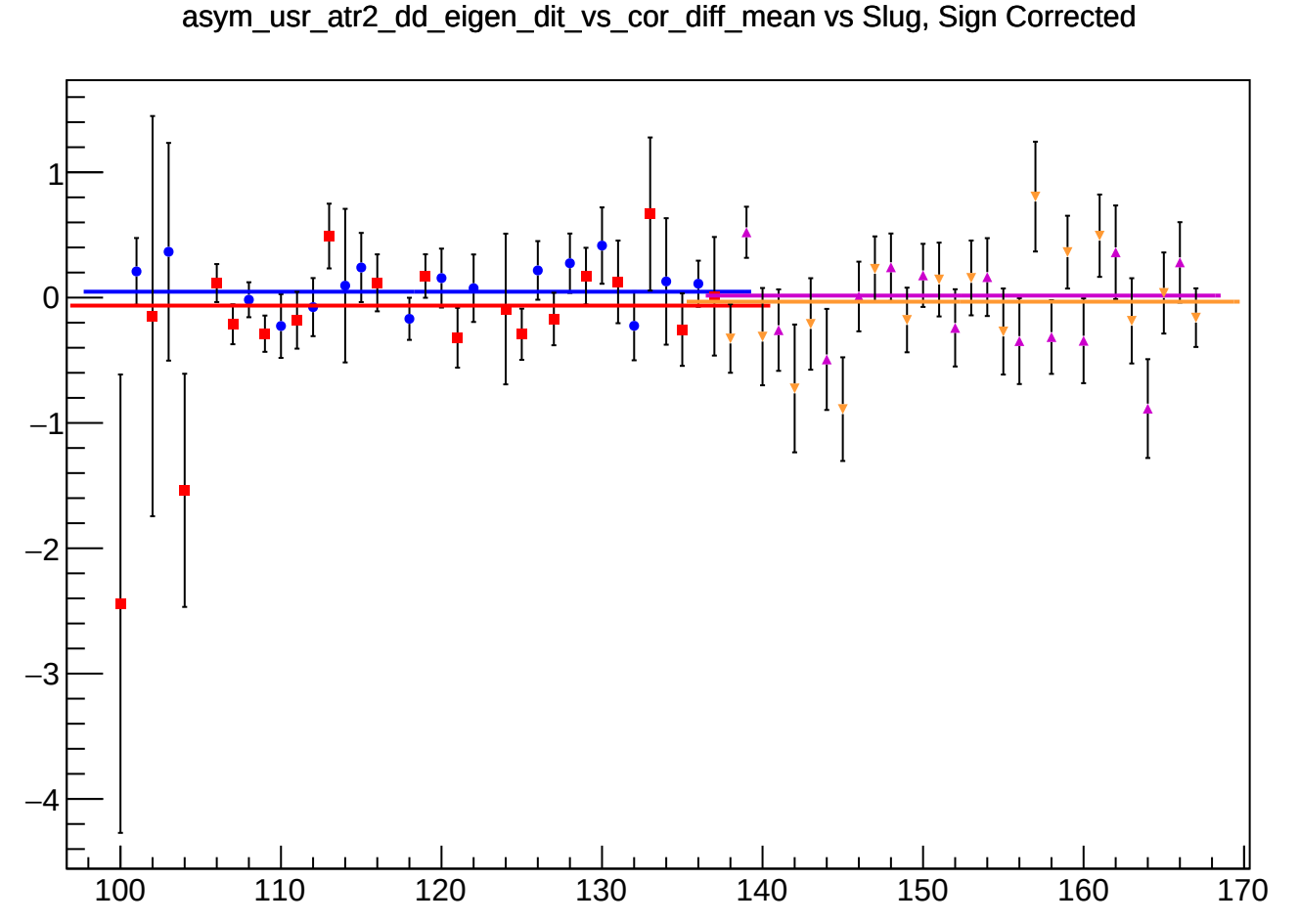
Left: 0.005+/-0.000 χ^2/NDF: 10328090.6/29

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:9098341.4/29

Out: 0.006+/-0.000 χ^2/NDF:9691880.1/34

All: 0.006+/-0.000 χ^2/NDF: 18848024.8/64



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.032+/-0.079 χ^2/NDF:19.3/15

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.016+/-0.080 χ^2/NDF:20.8/13

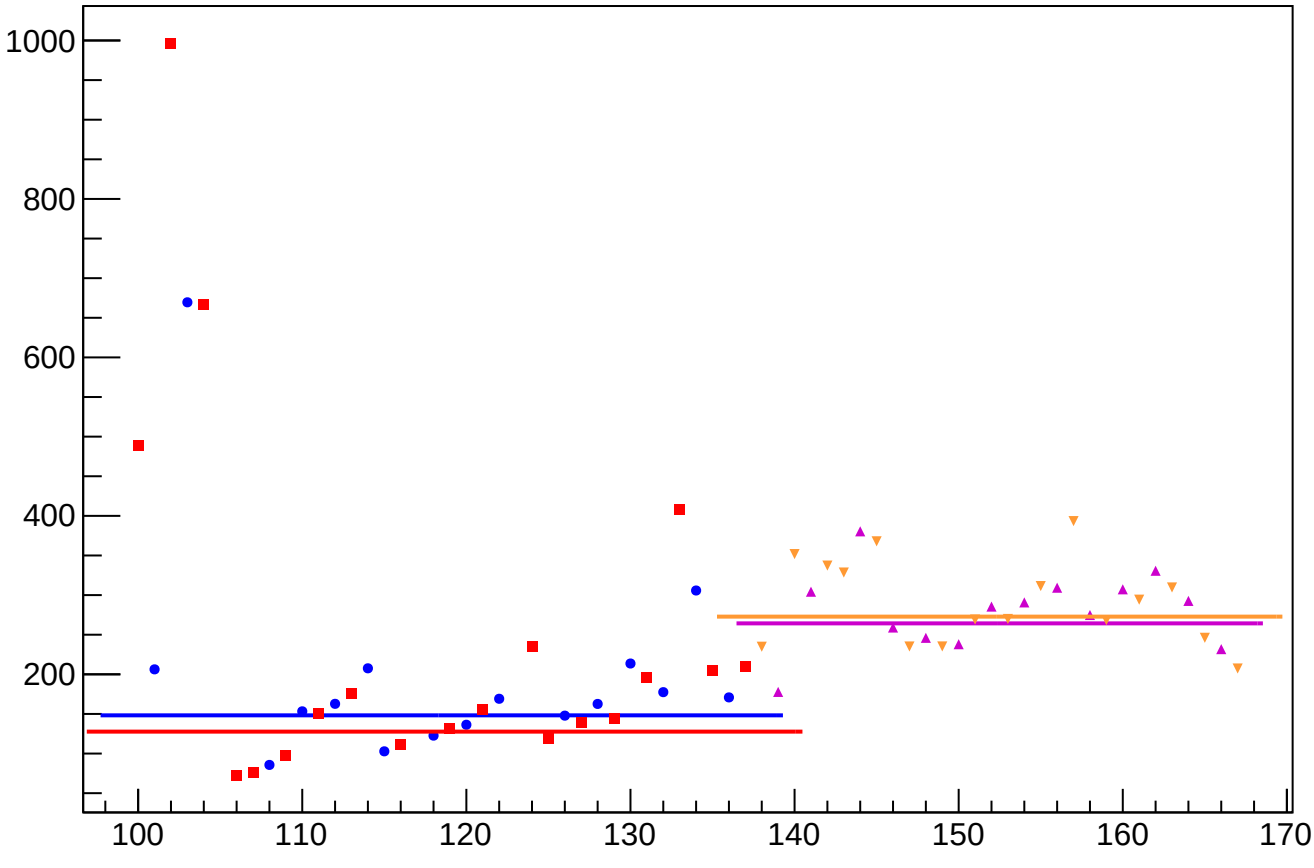
Left: -0.009+/-0.056 χ^2/NDF: 40.2/29

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.036+/-0.048 χ^2/NDF:29.4/29

Out: -0.054+/-0.045 χ^2/NDF:41.6/34

All: -0.012+/-0.033 χ^2/NDF: 72.9/64



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 272.829+/-0.056 χ^2/NDF:770166.3/15

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 264.312+/-0.057 χ^2/NDF:775091.9/13

Left: 268.652+/-0.040 χ^2/NDF: 1556731.6/29

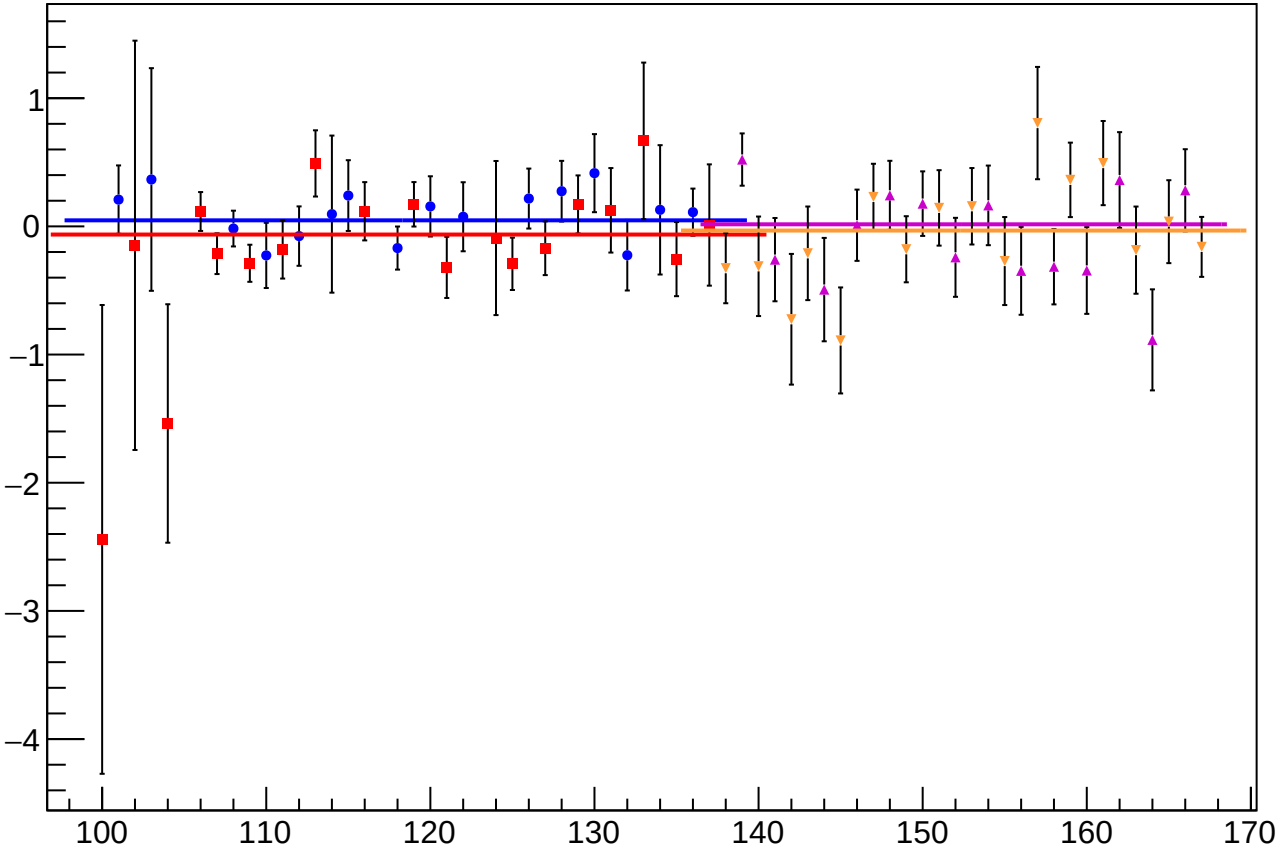
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 189.867+/-0.034 χ^2/NDF:5167193.1/29

Out: 174.880+/-0.032 χ^2/NDF:8196222.1/34

All: 181.864+/-0.023 χ^2/NDF: 13467223.9/64

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.032+/-0.079 χ^2/NDF:19.3/15

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.016+/-0.080 χ^2/NDF:20.8/13

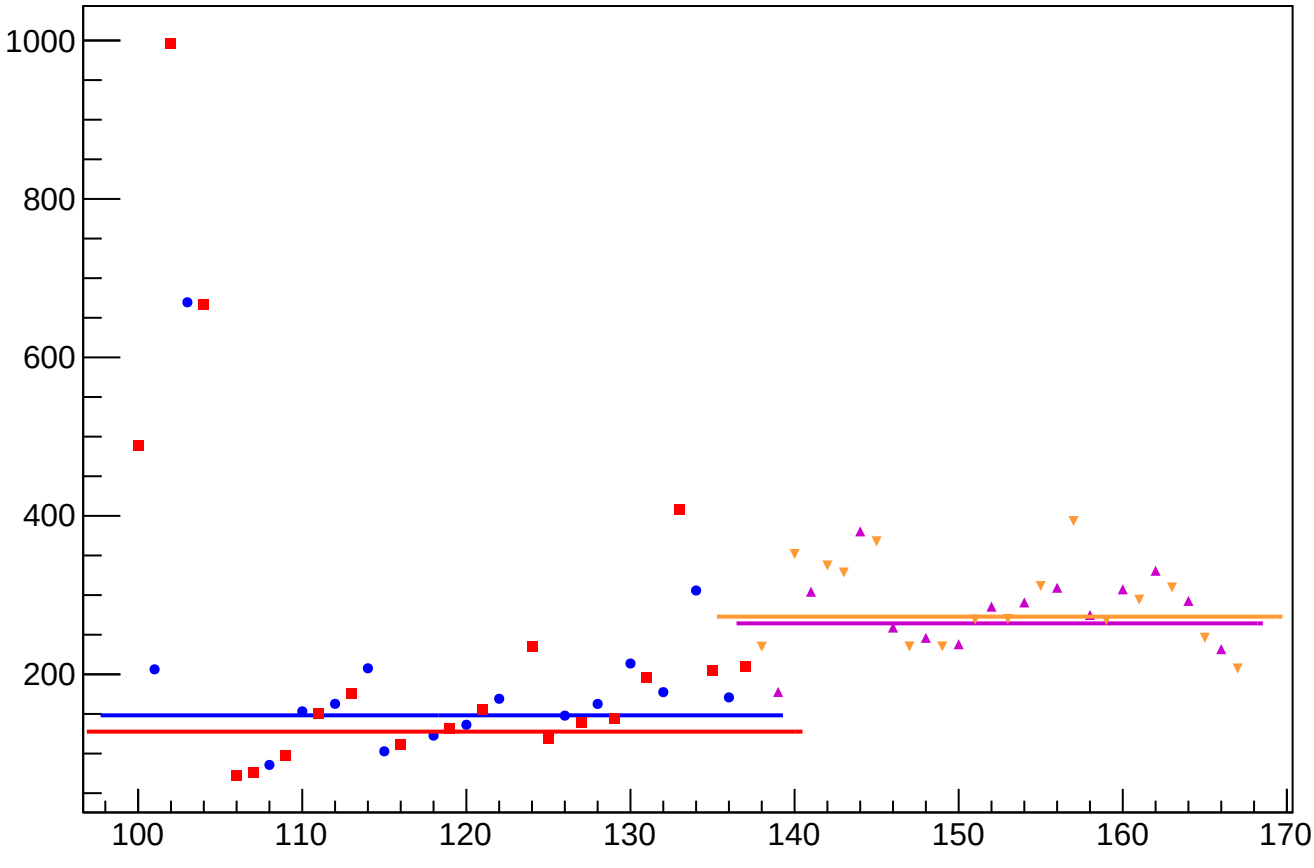
Left: -0.009+/-0.056 χ^2/NDF: 40.2/29

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.036+/-0.048 χ^2/NDF:29.4/29

Out: -0.054+/-0.045 χ^2/NDF:41.6/34

All: -0.012+/-0.033 χ^2/NDF: 72.9/64



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 272.829+/-0.056 χ^2/NDF:770166.3/15

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 264.312+/-0.057 χ^2/NDF:775091.9/13

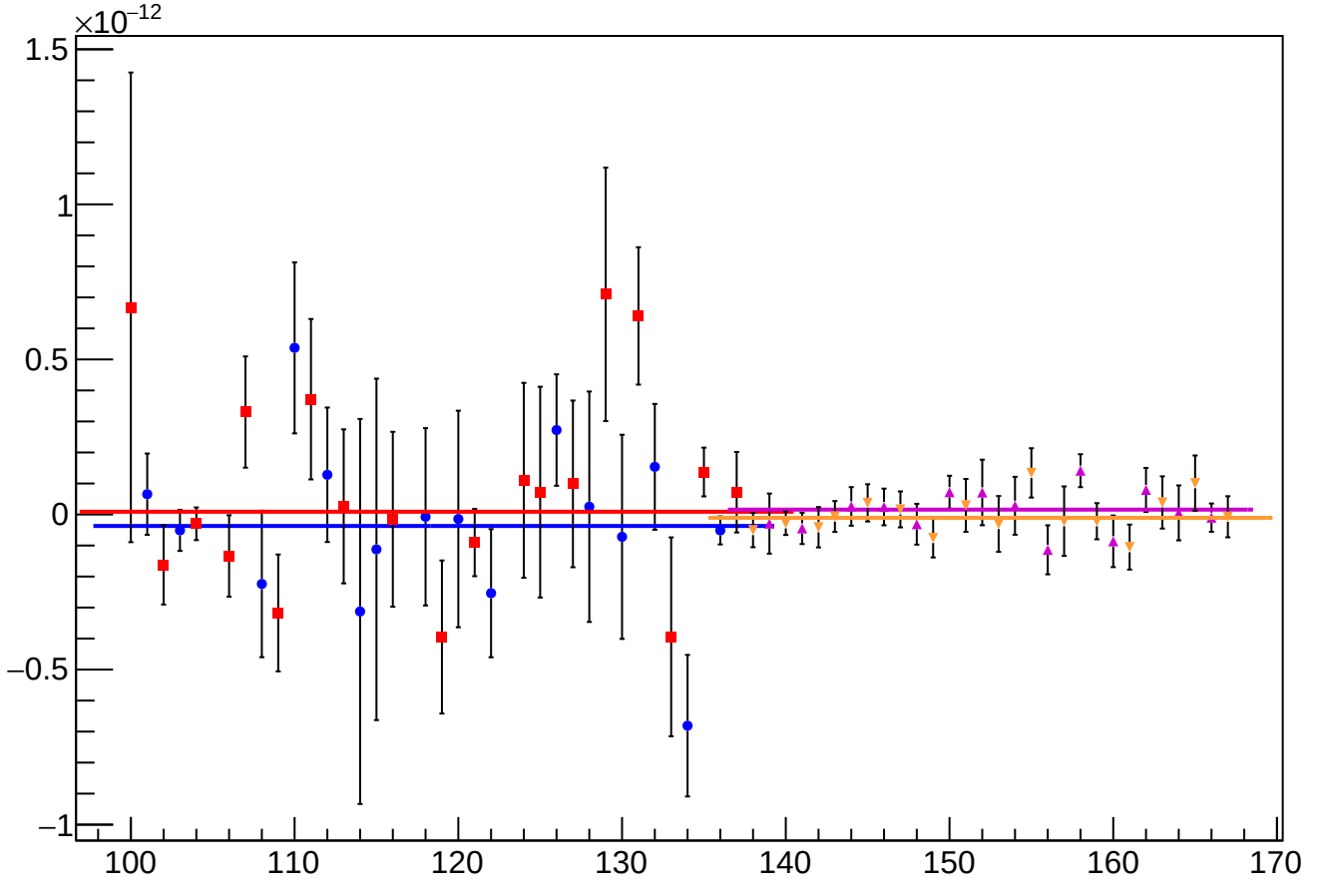
Left: 268.652+/-0.040 χ^2/NDF: 1556731.6/29

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 189.867+/-0.034 χ^2/NDF:5167193.1/29

Out: 174.880+/-0.032 χ^2/NDF:8196222.1/34

All: 181.864+/-0.023 χ^2/NDF: 13467223.9/64



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/13

Left: 0.000+/-0.000 χ^2/NDF: 26.0/29

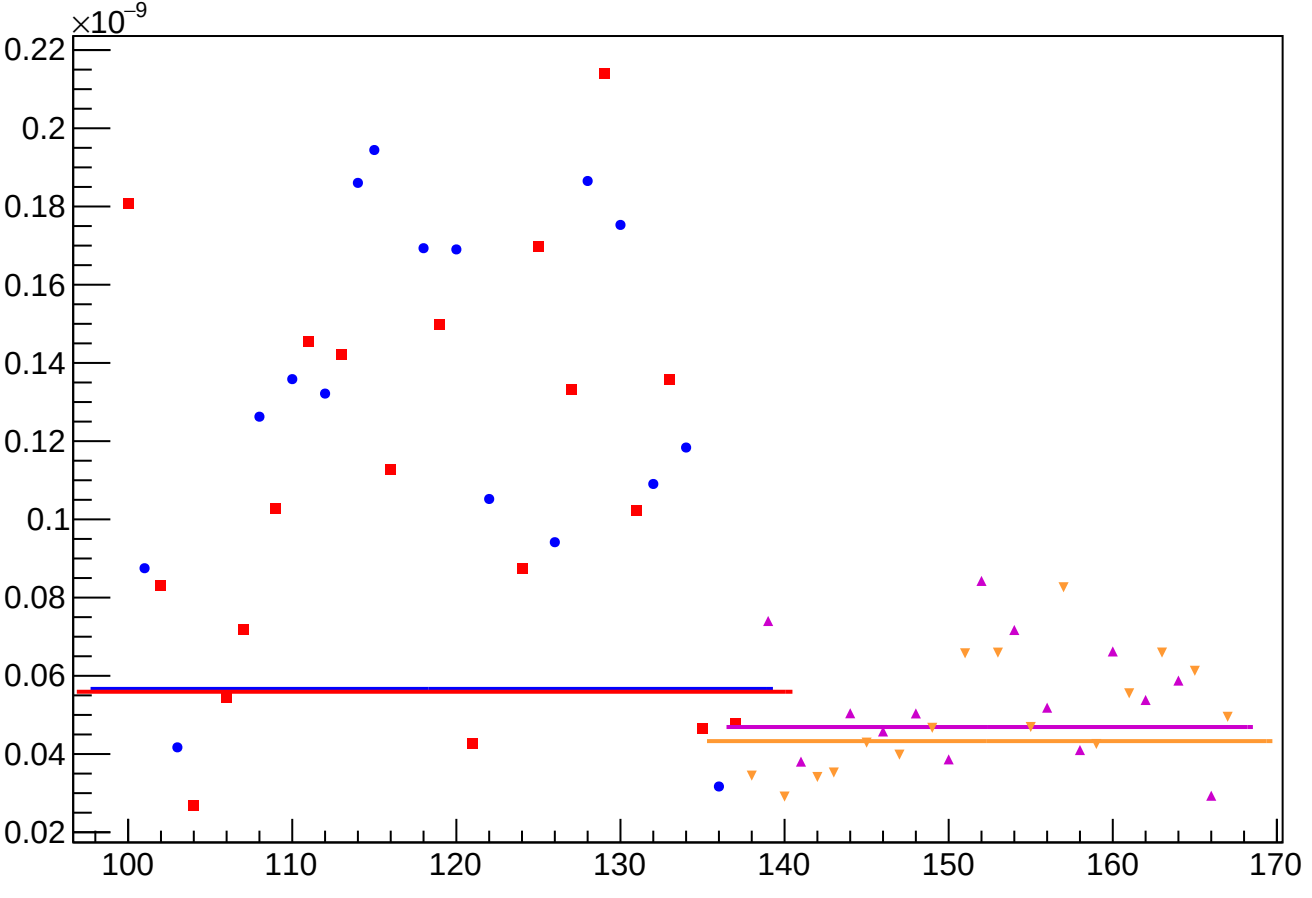
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:36.1/29

Out: -0.000+/-0.000 χ^2/NDF:42.2/34

All: -0.000+/-0.000 χ^2/NDF: 78.6/64

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1256828.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1161932.2/13

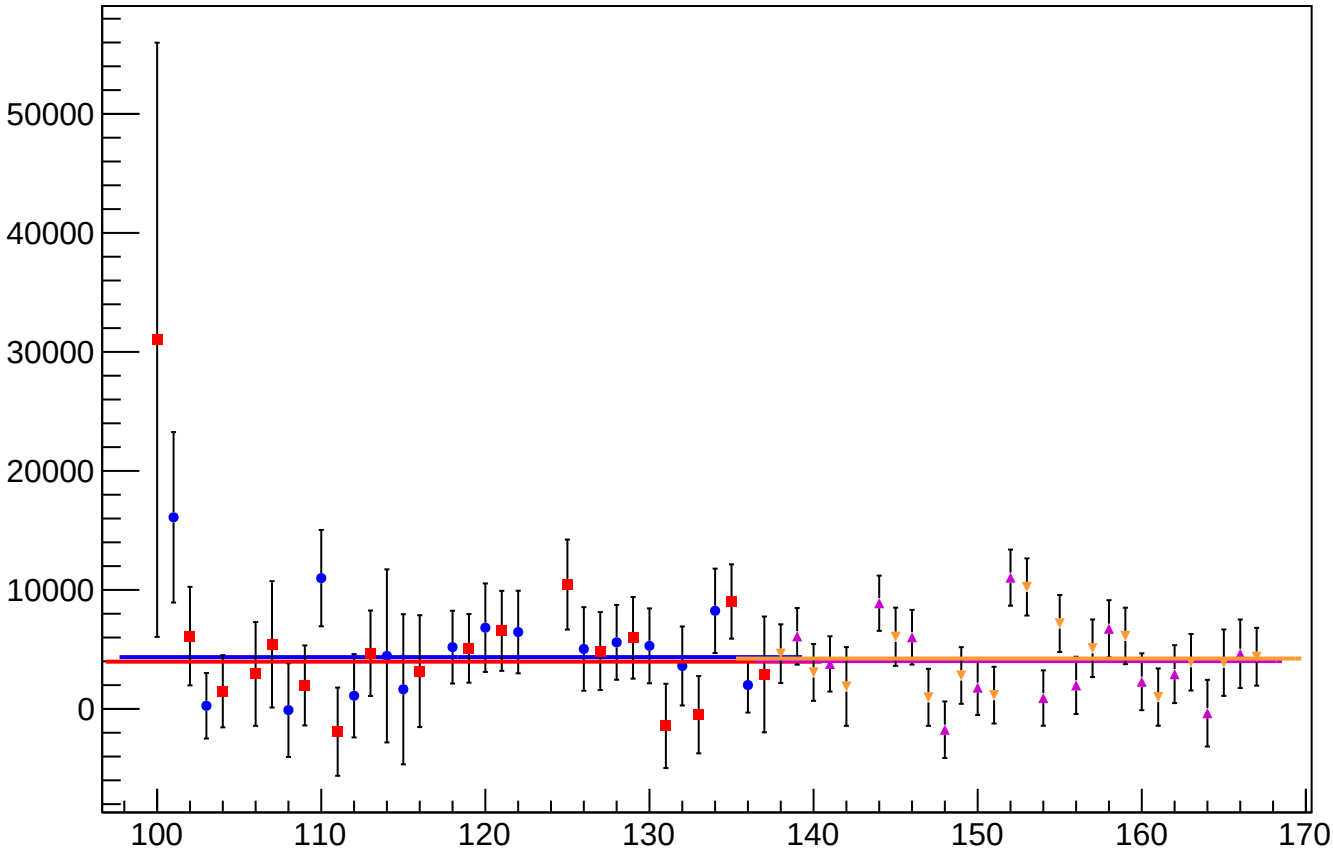
Left: 0.000+/-0.000 χ^2/NDF: 2465665.7/29

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:4417157.9/29

Out: 0.000+/-0.000 χ^2/NDF:4239547.6/34

All: 0.000+/-0.000 χ^2/NDF: 8707467.0/64



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4234.619+/-636.424 χ^2/NDF:15.6/14

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4019.683+/-644.513 χ^2/NDF:28.6/13

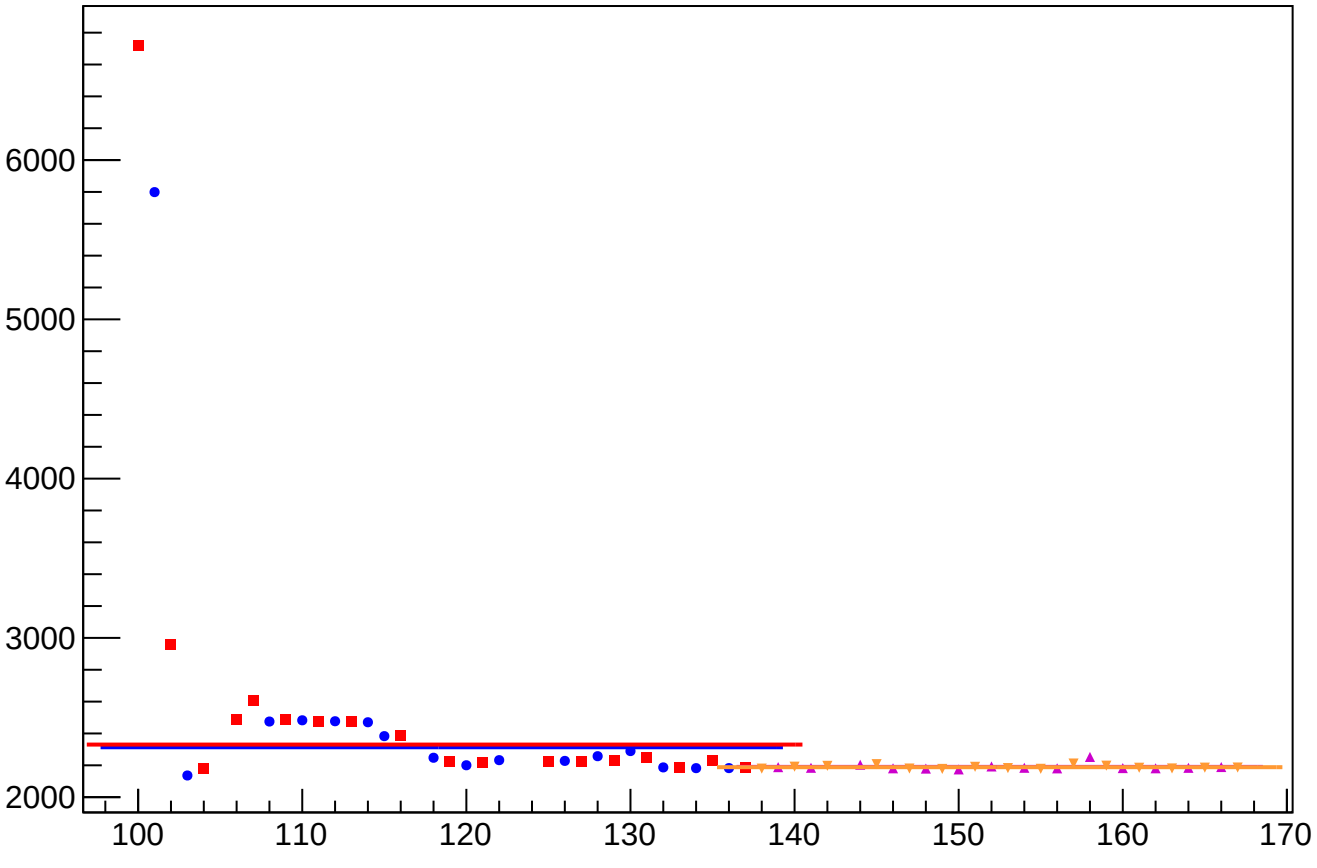
Left: 4128.508+/-452.852 χ^2/NDF: 44.3/28

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4137.367+/-518.964 χ^2/NDF:42.1/29

Out: 4143.140+/-513.927 χ^2/NDF:31.8/32

All: 4140.282+/-365.169 χ^2/NDF: 73.9/62



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.249+/-0.450 χ^2/NDF:522.5/14

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2190.092+/-0.456 χ^2/NDF:1701.7/13

Left: 2189.159+/-0.320 χ^2/NDF: 2232.4/28

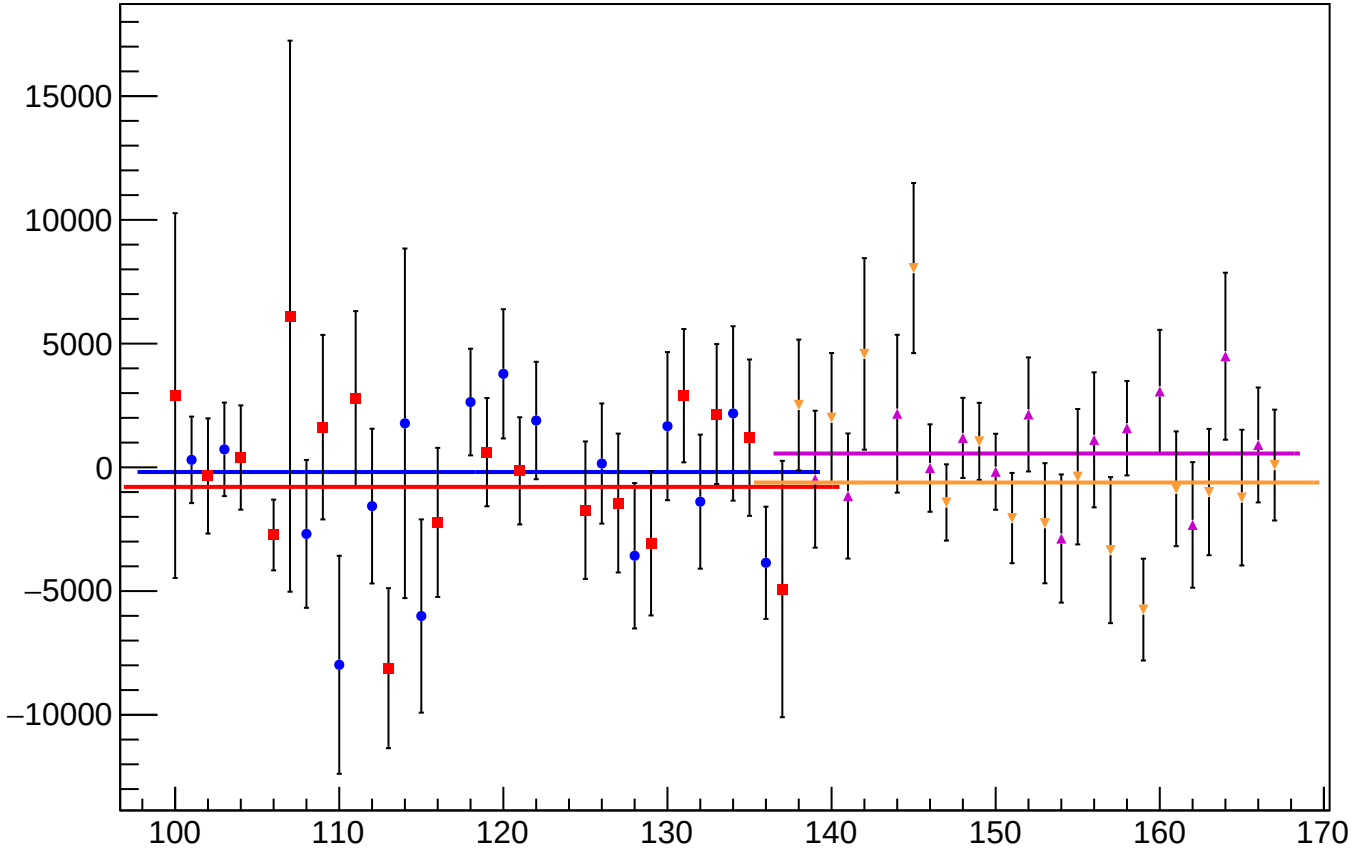
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2233.458+/-0.367 χ^2/NDF:539821.6/29

Out: 2237.635+/-0.363 χ^2/NDF:186349.1/32

All: 2235.567+/-0.258 χ^2/NDF: 726236.2/62

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -612.425+/-587.237 χ^2/NDF:20.3/14

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 559.078+/-592.539 χ^2/NDF:7.6/13

Left: -31.938+/-417.101 χ^2/NDF: 29.9/28

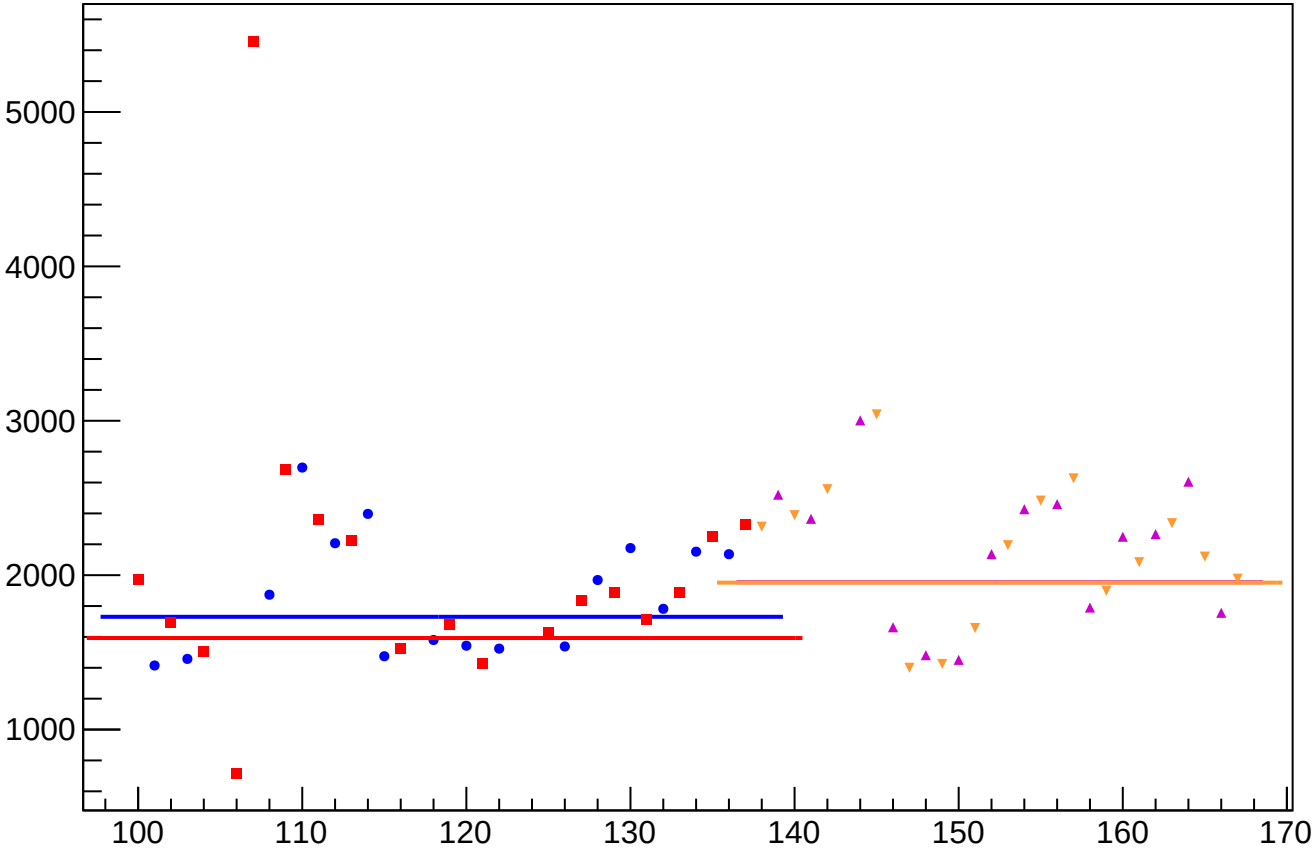
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 224.431+/-440.418 χ^2/NDF:24.7/29

Out: -693.983+/-431.106 χ^2/NDF:35.3/32

All: -244.588+/-308.077 χ^2/NDF: 62.3/62

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1951.753+/-0.415 χ^2/NDF:1140620.6/14

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1953.940+/-0.419 χ^2/NDF:1102241.6/13

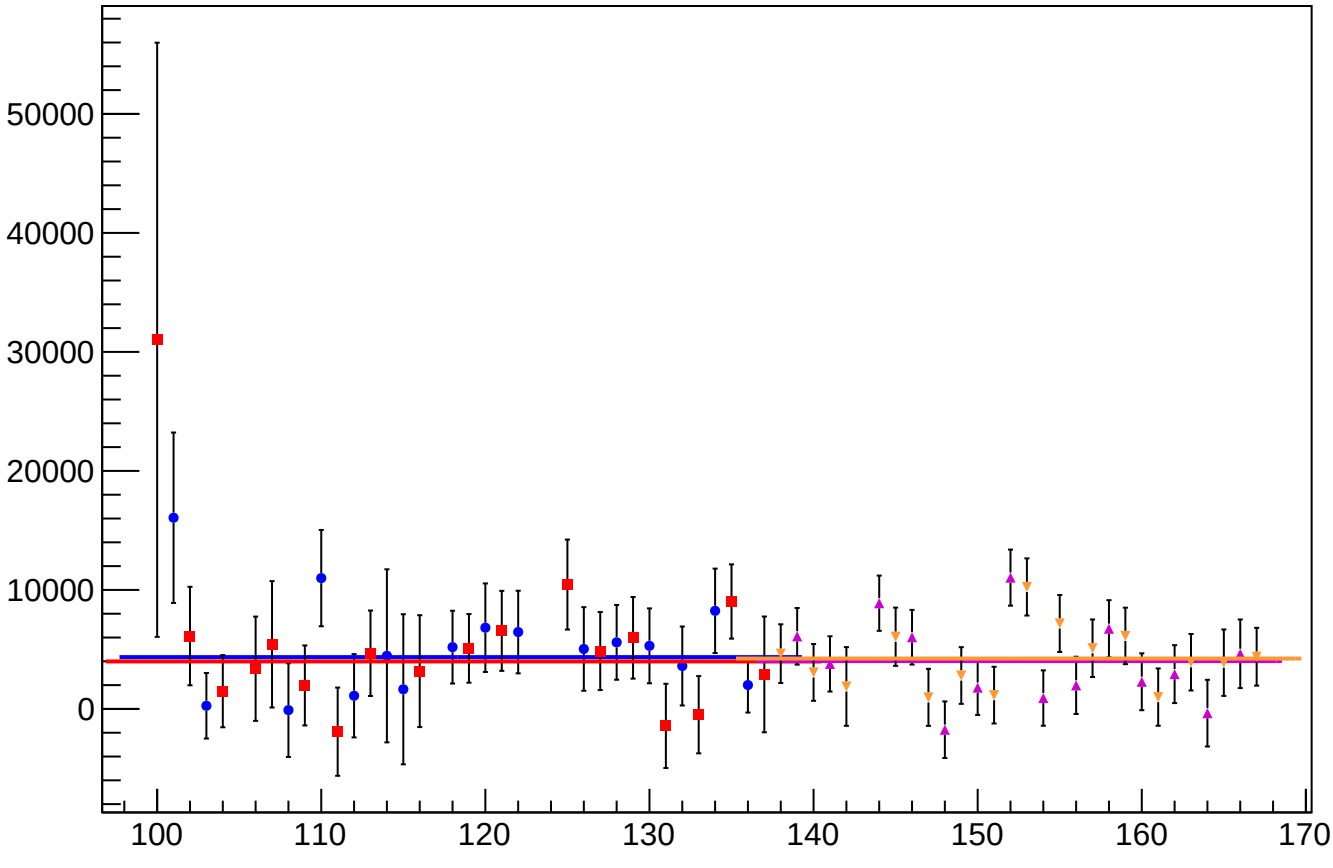
Left: 1952.837+/-0.295 χ^2/NDF: 2242876.0/28

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1853.846+/-0.311 χ^2/NDF:1708694.9/29

Out: 1786.266+/-0.305 χ^2/NDF:3041316.3/32

All: 1819.334+/-0.218 χ^2/NDF: 4774059.7/62



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4234.563+/-636.424 χ^2/NDF:15.6/14

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4019.821+/-644.513 χ^2/NDF:28.6/13

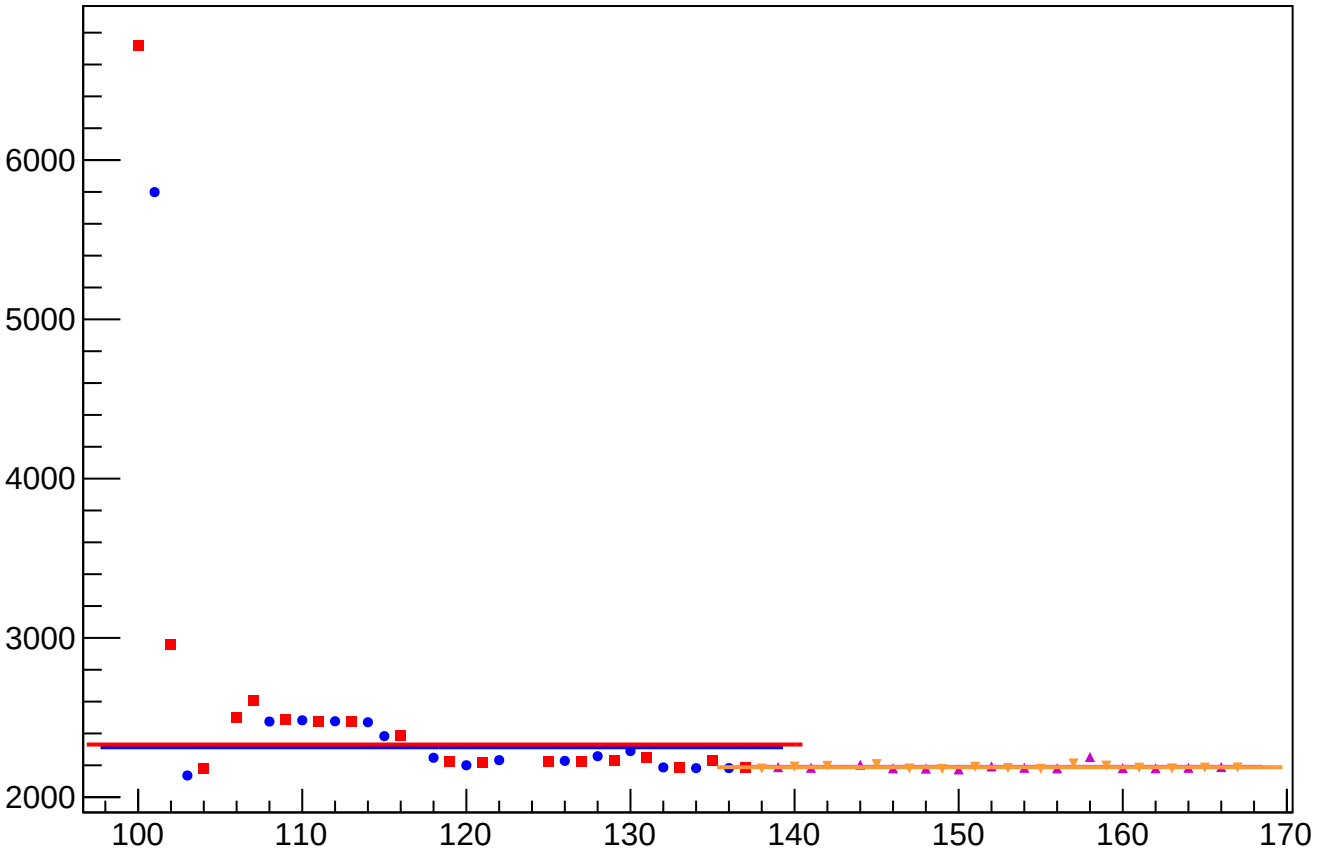
Left: 4128.548+/-452.852 χ^2/NDF: 44.3/28

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4137.217+/-518.964 χ^2/NDF:42.1/29

Out: 4149.457+/-513.958 χ^2/NDF:31.8/32

All: 4143.396+/-365.180 χ^2/NDF: 73.9/62



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.249+/-0.450 χ^2/NDF:522.5/14

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.092+/-0.456 χ^2/NDF:1701.7/13

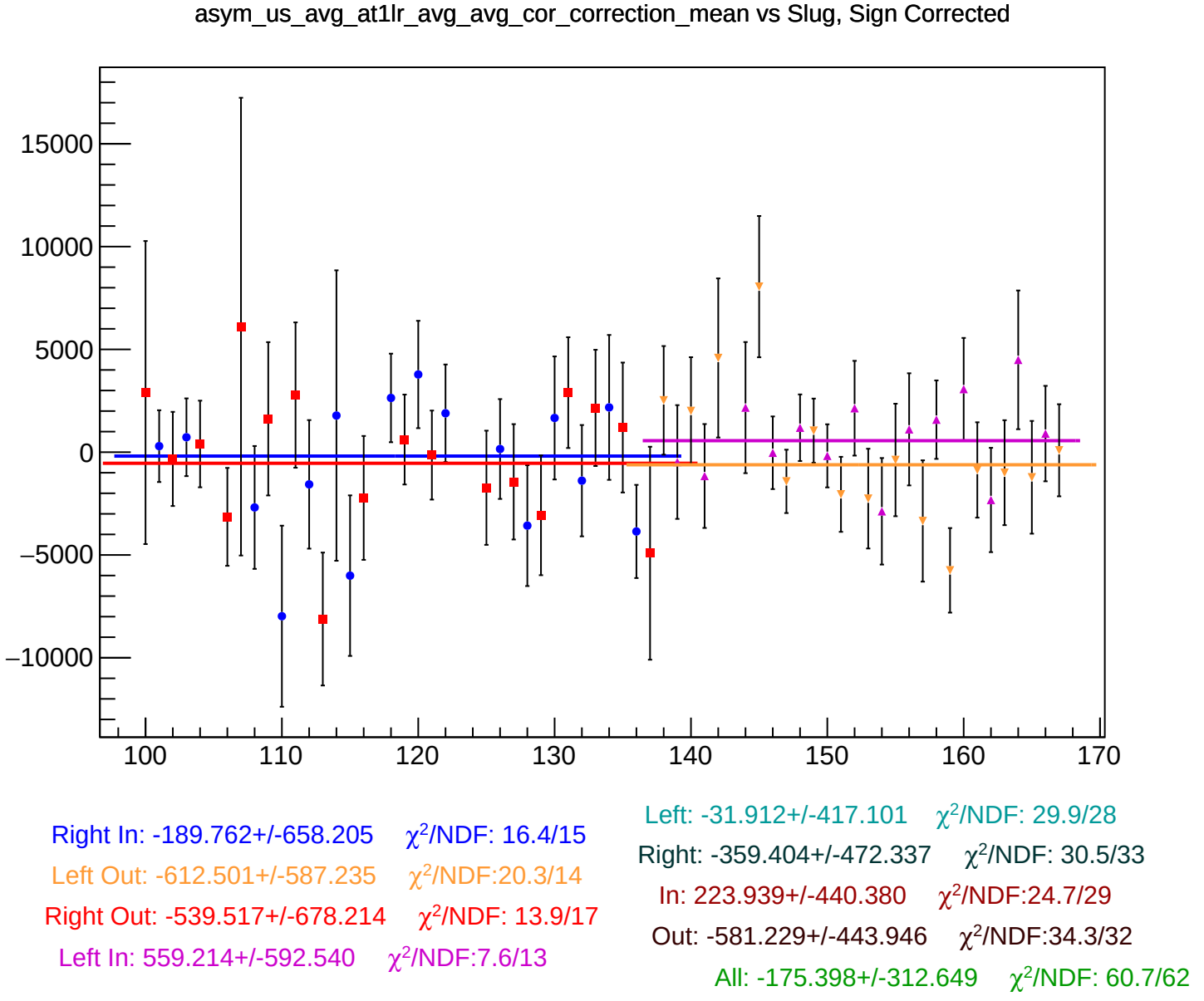
Left: 2189.159+/-0.320 χ^2/NDF: 2232.4/28

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

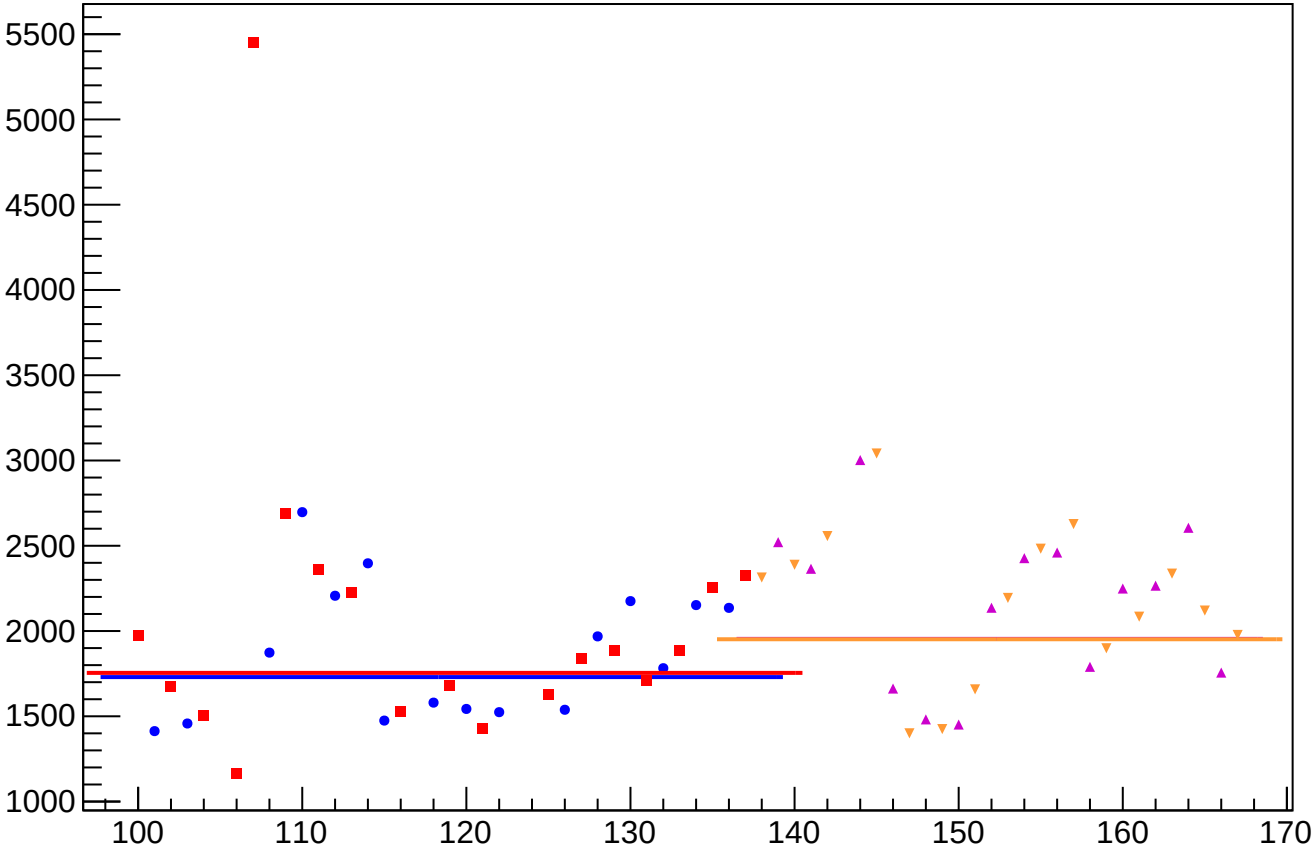
In: 2233.458+/-0.367 χ^2/NDF:539822.0/29

Out: 2237.753+/-0.363 χ^2/NDF:186867.8/32

All: 2235.626+/-0.258 χ^2/NDF: 726759.0/62


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -612.501+/-587.235 χ²/NDF:20.3/14
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 559.214+/-592.540 χ²/NDF:7.6/13
Left: -31.912+/-417.101 χ²/NDF: 29.9/28
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 223.939+/-440.380 χ²/NDF:24.7/29
Out: -581.229+/-443.946 χ²/NDF:34.3/32
All: -175.398+/-312.649 χ²/NDF: 60.7/62

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1951.746+/-0.415 χ^2/NDF:1140656.2/14

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1953.944+/-0.419 χ^2/NDF:1102263.0/13

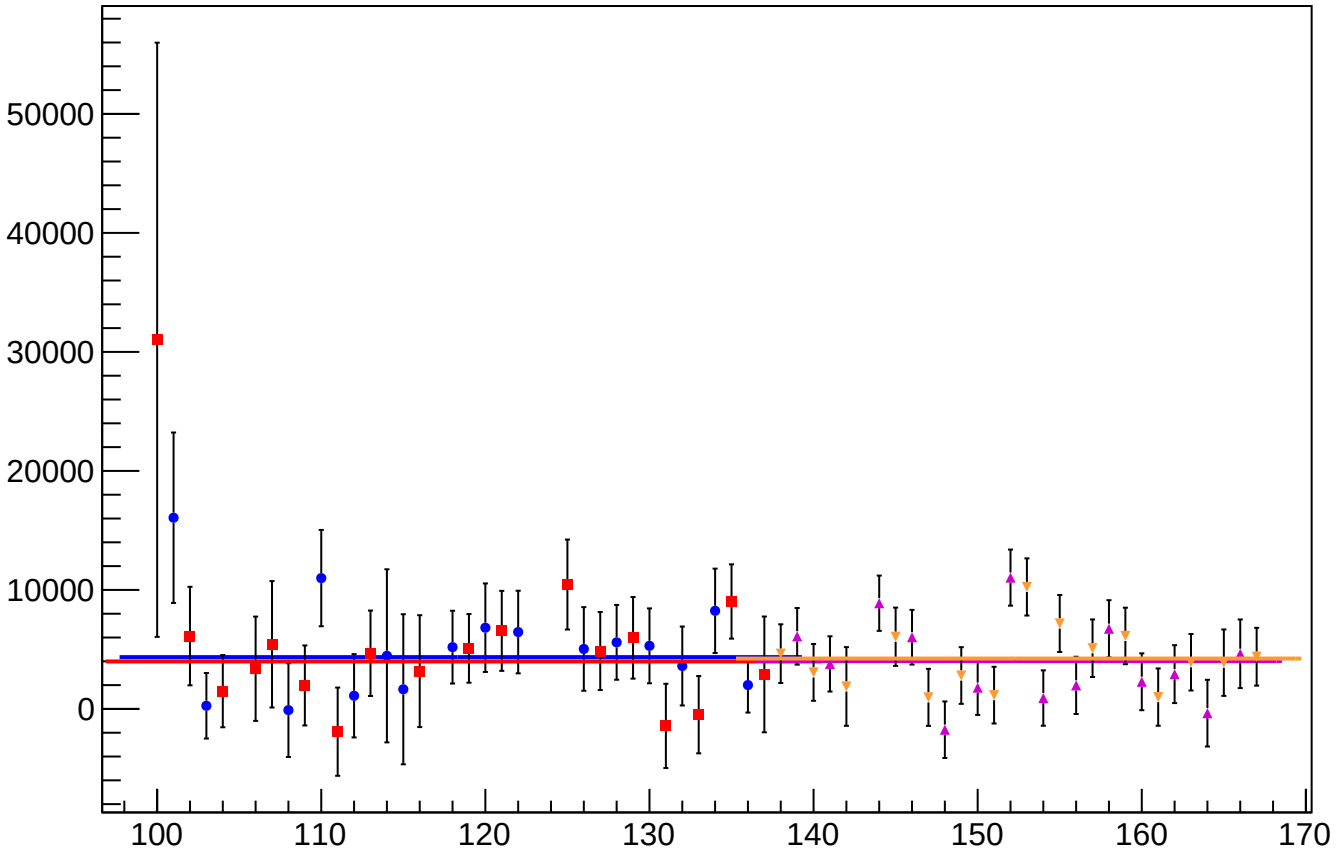
Left: 1952.835+/-0.295 χ^2/NDF: 2242933.1/28

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1853.651+/-0.311 χ^2/NDF:1710158.5/29

Out: 1867.242+/-0.314 χ^2/NDF:1988322.8/32

All: 1860.392+/-0.221 χ^2/NDF: 3699426.0/62



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4234.563+/-636.424 χ^2/NDF:15.6/14

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4019.821+/-644.513 χ^2/NDF:28.6/13

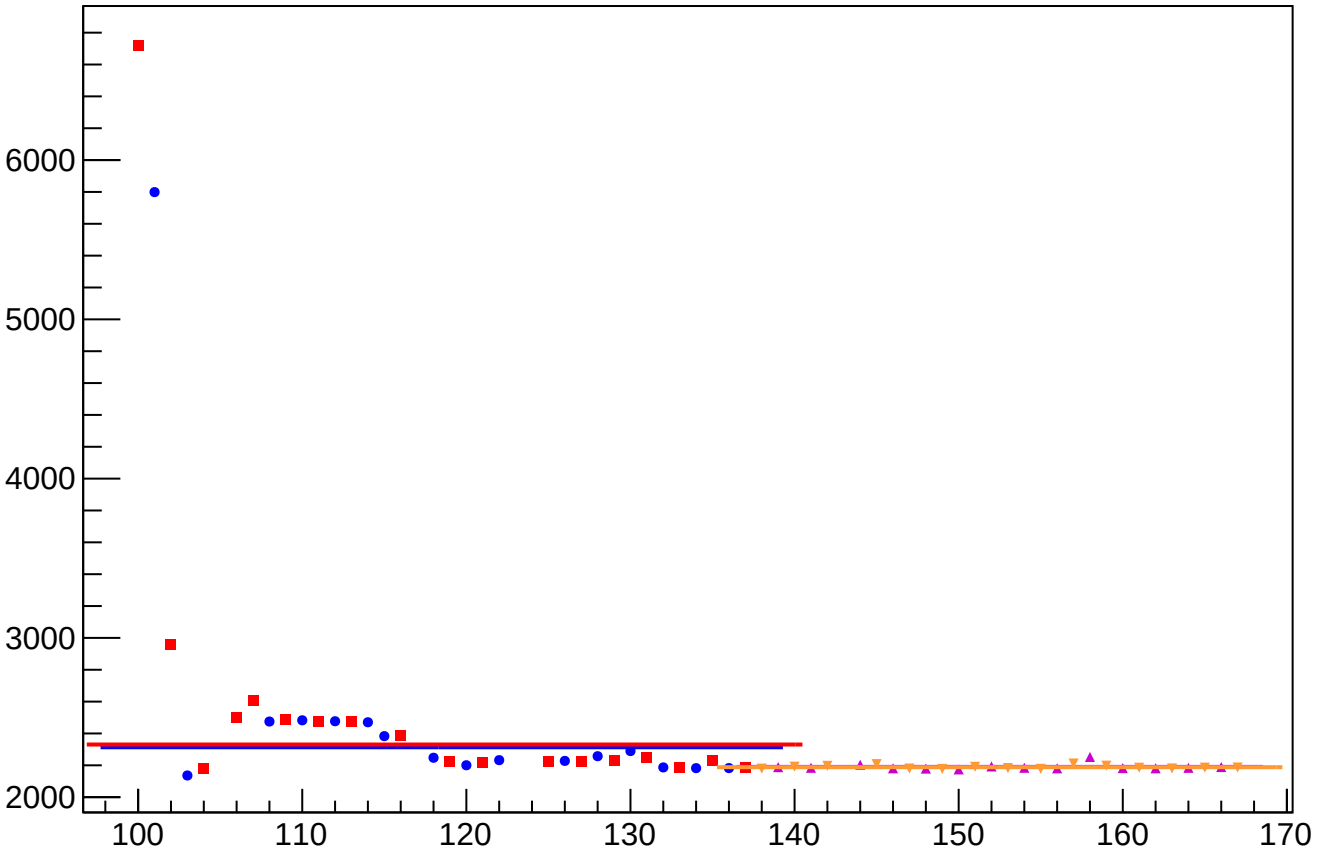
Left: 4128.548+/-452.852 χ^2/NDF: 44.3/28

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4137.217+/-518.964 χ^2/NDF:42.1/29

Out: 4149.457+/-513.958 χ^2/NDF:31.8/32

All: 4143.396+/-365.180 χ^2/NDF: 73.9/62



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.249+/-0.450 χ^2/NDF:522.5/14

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.092+/-0.456 χ^2/NDF:1701.7/13

Left: 2189.159+/-0.320 χ^2/NDF: 2232.4/28

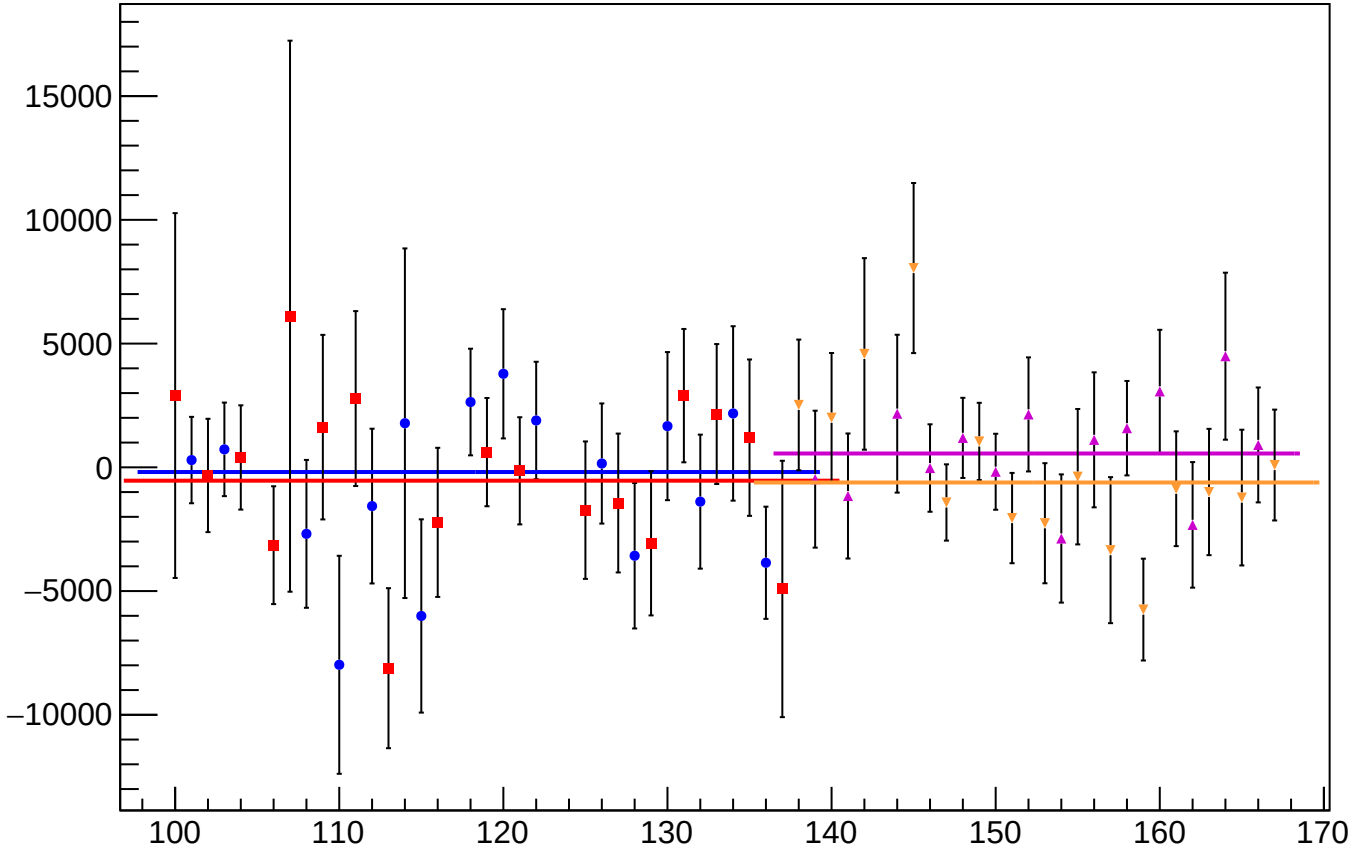
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2233.458+/-0.367 χ^2/NDF:539822.0/29

Out: 2237.753+/-0.363 χ^2/NDF:186867.8/32

All: 2235.626+/-0.258 χ^2/NDF: 726759.0/62

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -612.501+/-587.235 χ^2/NDF:20.3/14

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 559.214+/-592.540 χ^2/NDF:7.6/13

Left: -31.912+/-417.101 χ^2/NDF: 29.9/28

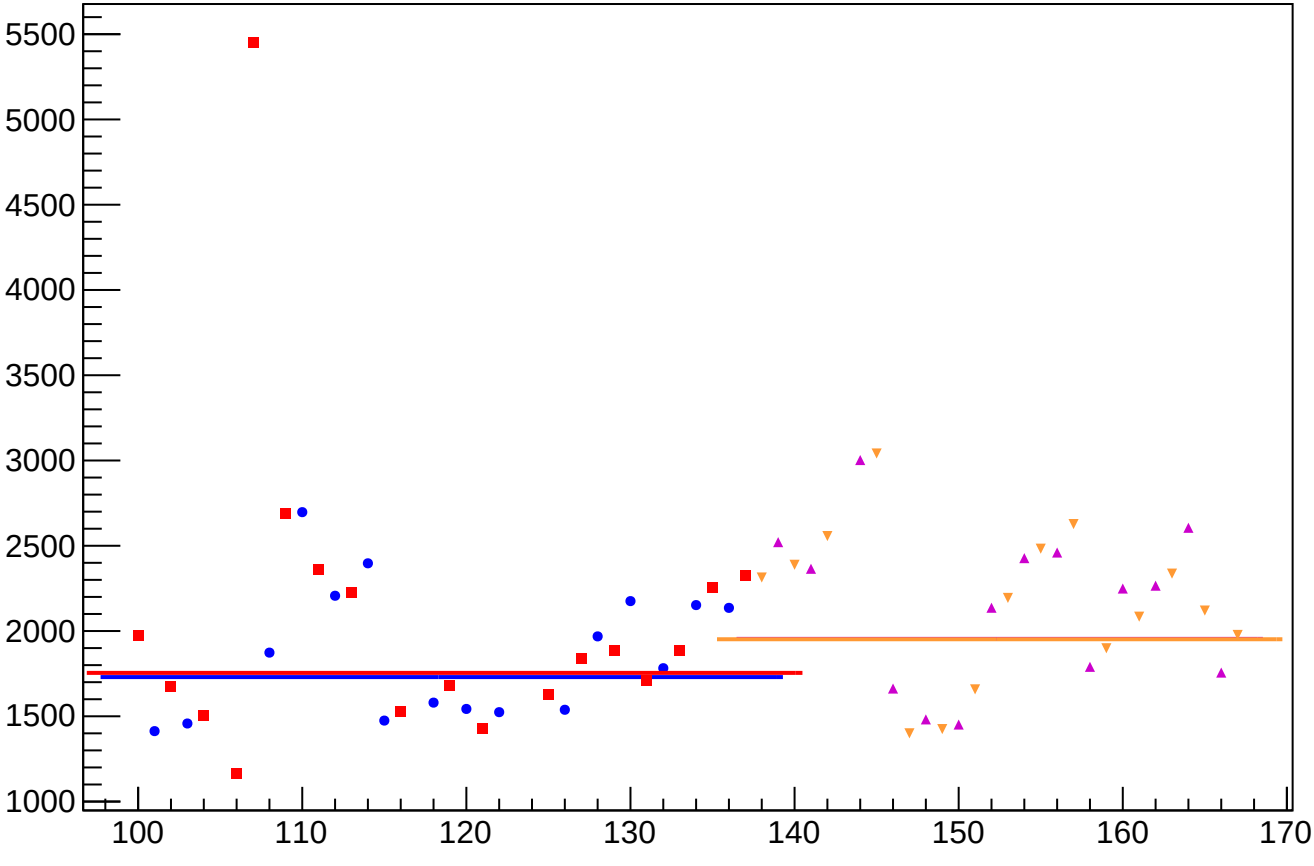
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 223.939+/-440.380 χ^2/NDF:24.7/29

Out: -581.229+/-443.946 χ^2/NDF:34.3/32

All: -175.398+/-312.649 χ^2/NDF: 60.7/62

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1951.746+/-0.415 χ^2/NDF:1140656.2/14

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1953.944+/-0.419 χ^2/NDF:1102263.0/13

Left: 1952.835+/-0.295 χ^2/NDF: 2242933.1/28

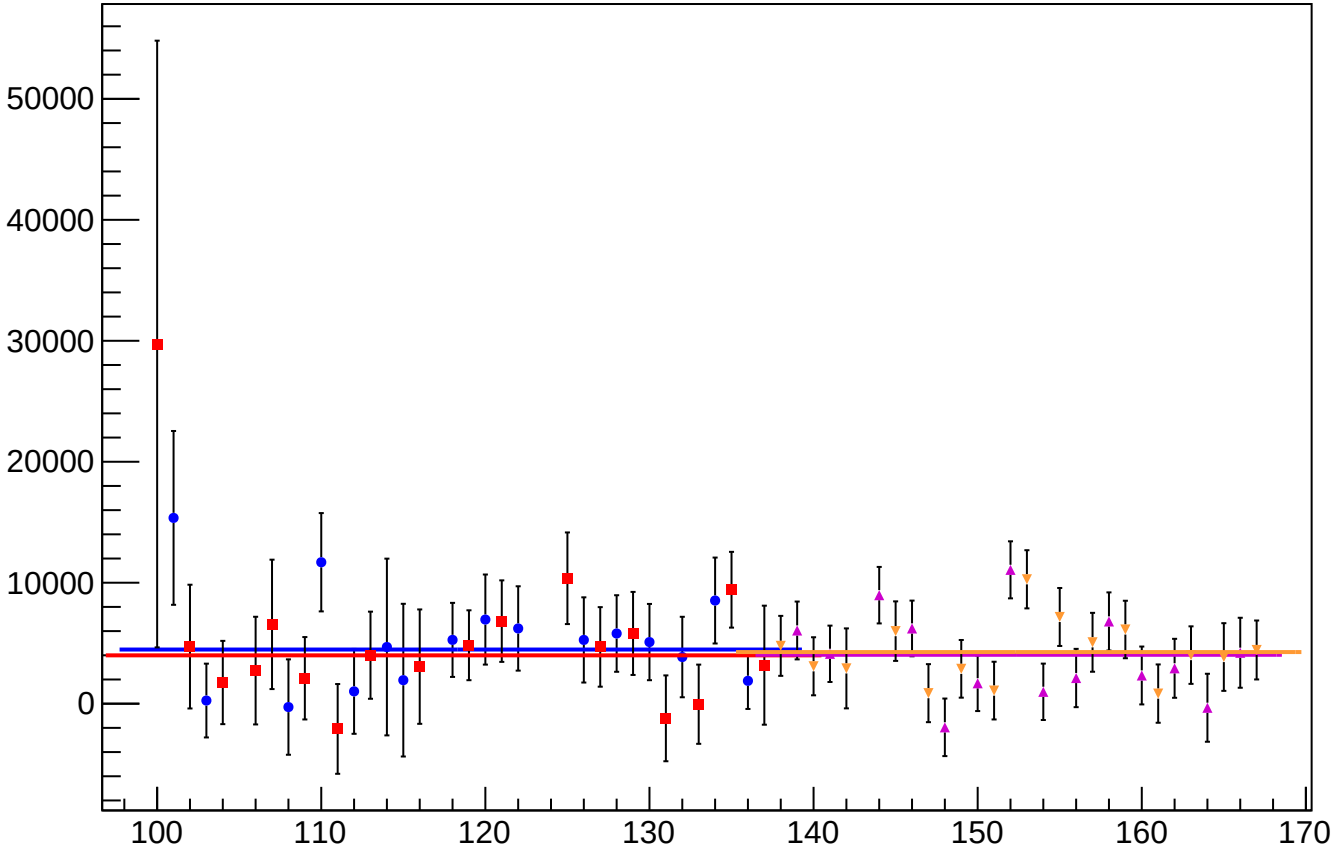
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1853.651+/-0.311 χ^2/NDF:1710158.5/29

Out: 1867.242+/-0.314 χ^2/NDF:1988322.8/32

All: 1860.392+/-0.221 χ^2/NDF: 3699426.0/62

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4267.684+/-638.027 χ^2/NDF:15.6/14

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4042.217+/-646.044 χ^2/NDF:29.2/13

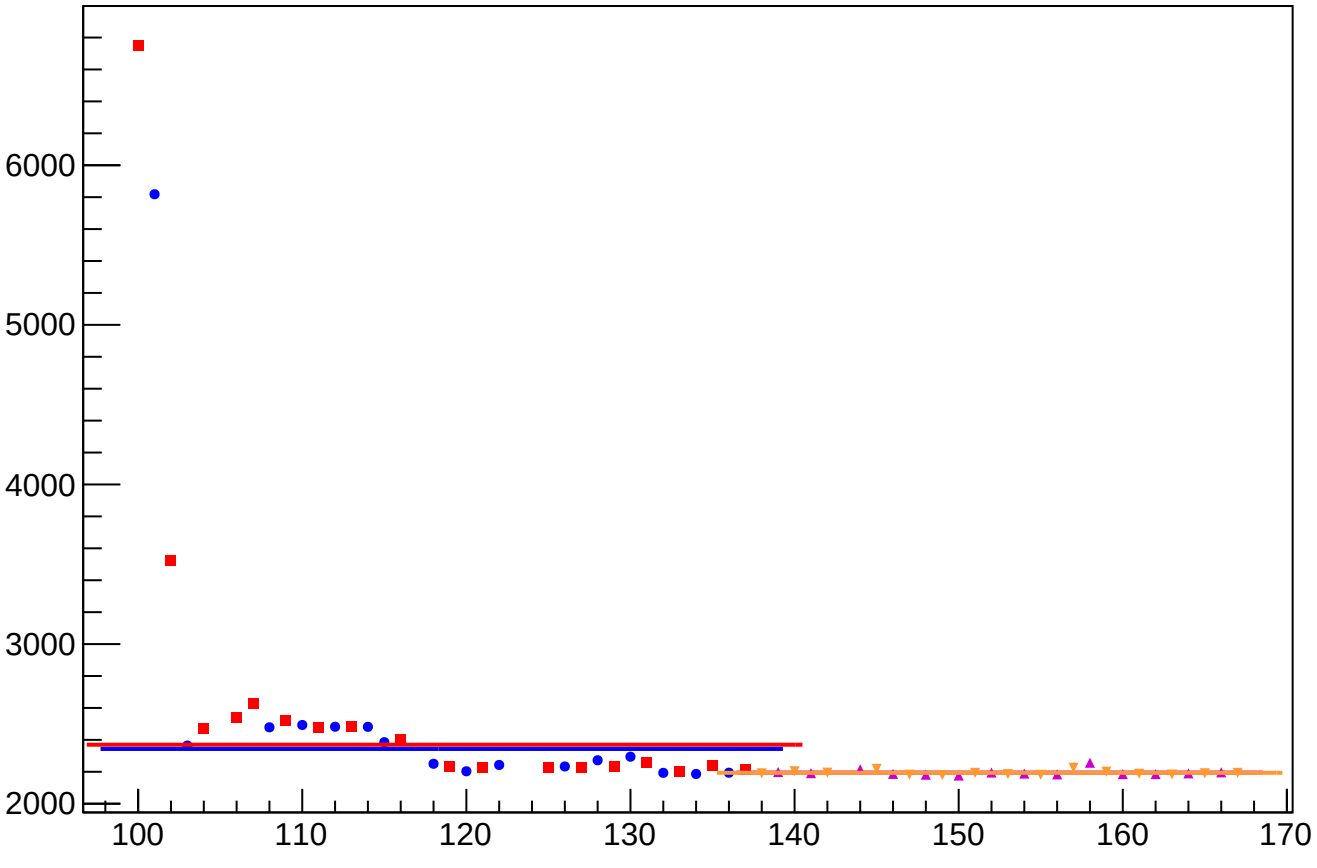
Left: 4156.359+/-453.961 χ^2/NDF: 44.8/28

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4192.925+/-522.026 χ^2/NDF:42.9/29

Out: 4175.452+/-518.633 χ^2/NDF:31.1/32

All: 4184.131+/-367.923 χ^2/NDF: 74.0/62



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.653+/-0.451 χ^2/NDF:838.4/14

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.228+/-0.457 χ^2/NDF:1840.1/13

Left: 2194.431+/-0.321 χ^2/NDF: 2684.5/28

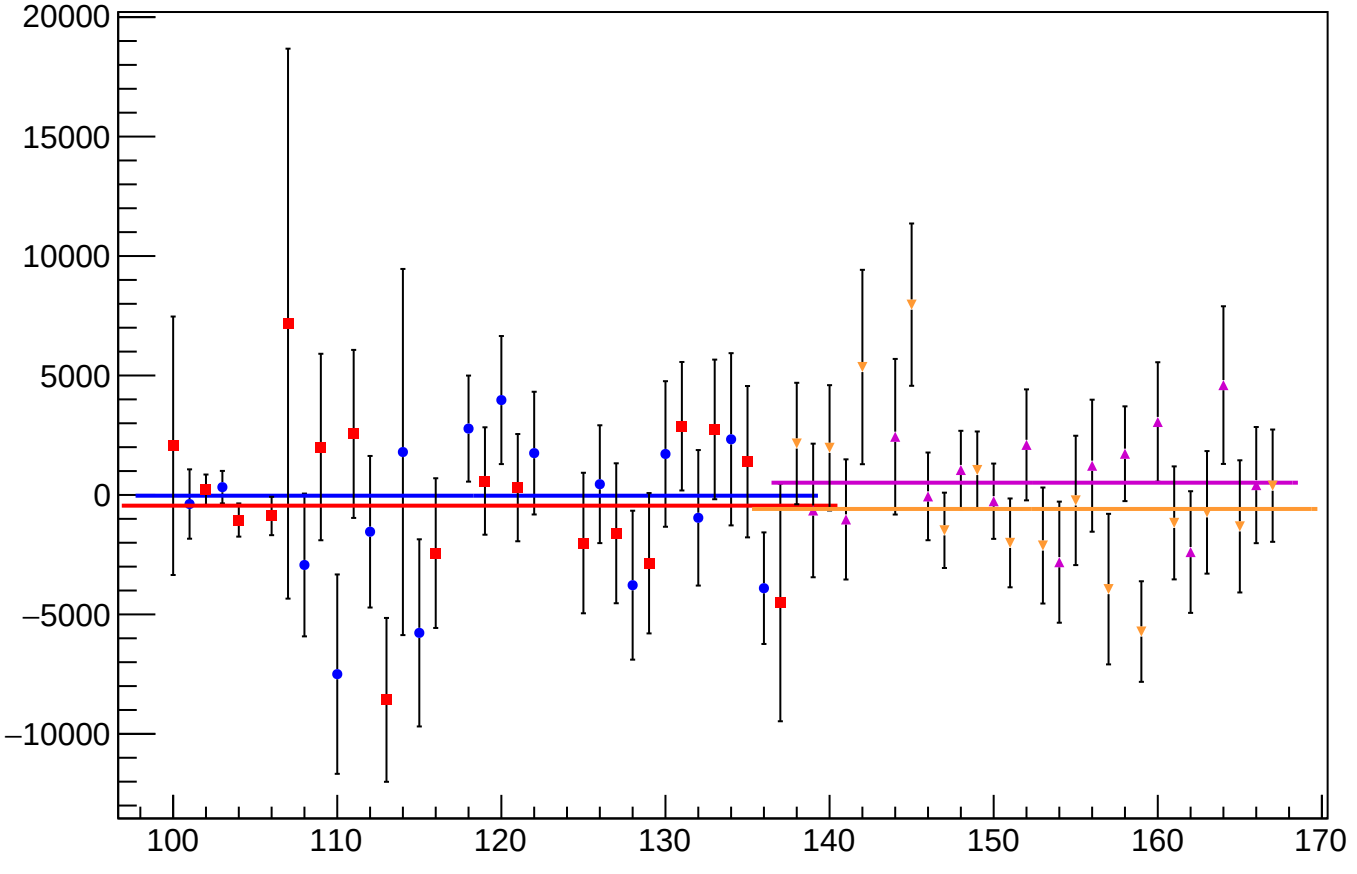
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2246.487+/-0.369 χ^2/NDF:540982.0/29

Out: 2253.333+/-0.367 χ^2/NDF:262566.9/32

All: 2249.932+/-0.260 χ^2/NDF: 803722.0/62

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -586.052+/-597.786 χ^2/NDF:20.3/14

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 512.920+/-602.584 χ^2/NDF:7.8/13

Left: -40.959+/-424.385 χ^2/NDF: 29.8/28

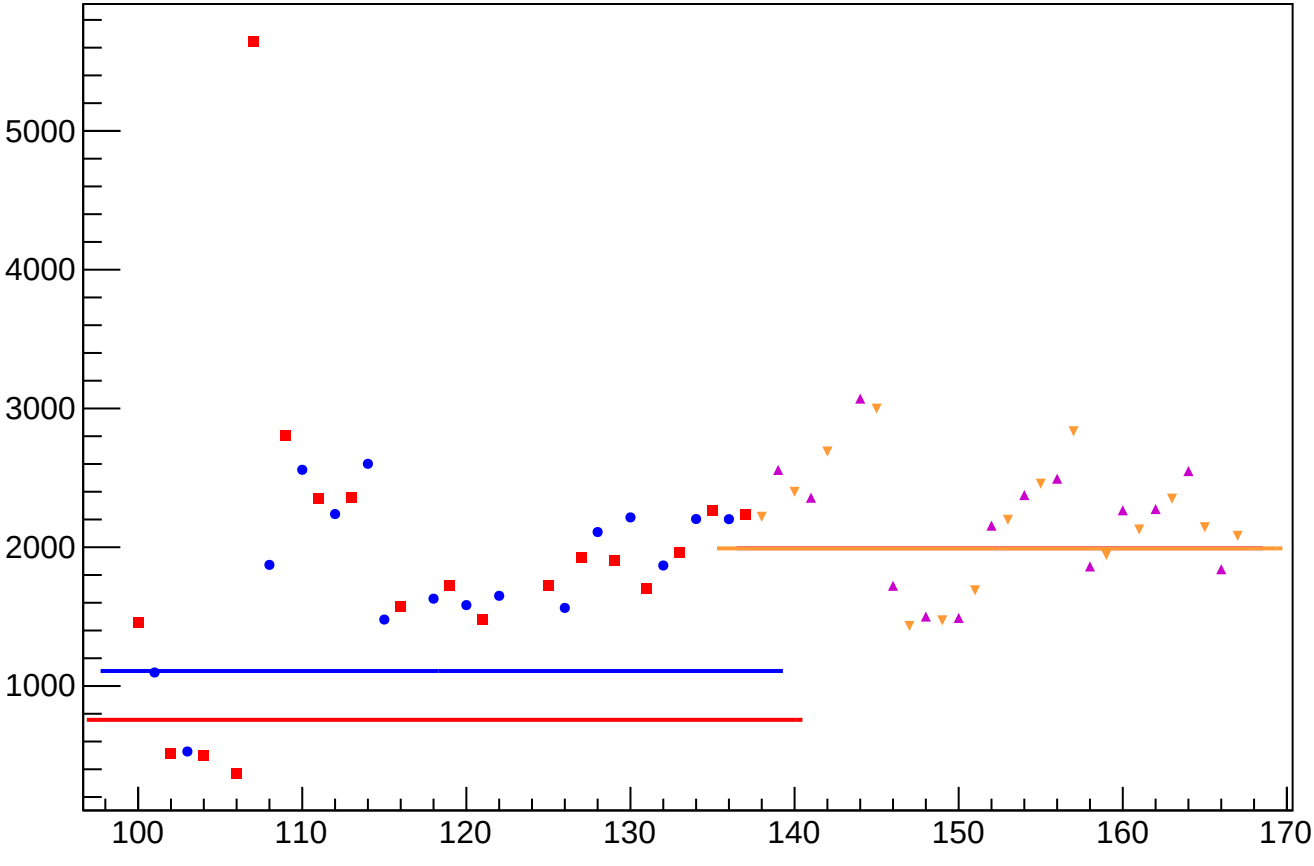
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 182.771+/-377.978 χ^2/NDF:24.7/29

Out: -485.318+/-310.006 χ^2/NDF:35.4/32

All: -216.642+/-239.698 χ^2/NDF: 62.0/62

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1991.688+/-0.423 χ^2/NDF:1082702.5/14

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1993.055+/-0.426 χ^2/NDF:1012895.8/13

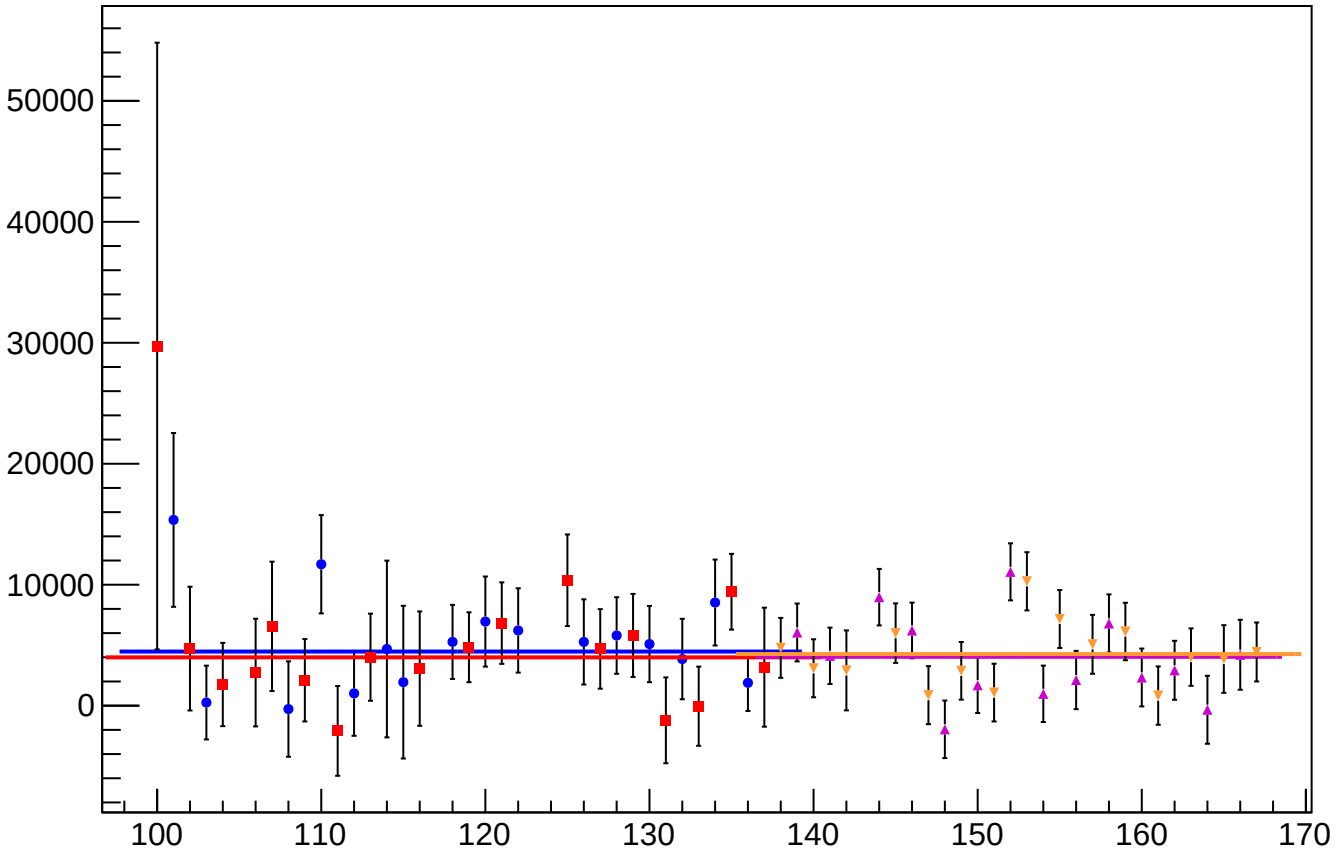
Left: 1992.366+/-0.300 χ^2/NDF: 2095603.6/28

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1456.316+/-0.267 χ^2/NDF:7375504.7/29

Out: 1088.627+/-0.219 χ^2/NDF:12929267.9/32

All: 1236.495+/-0.169 χ^2/NDF: 21436248.3/6



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4267.682+/-638.027 χ^2/NDF:15.6/14

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4042.219+/-646.044 χ^2/NDF:29.2/13

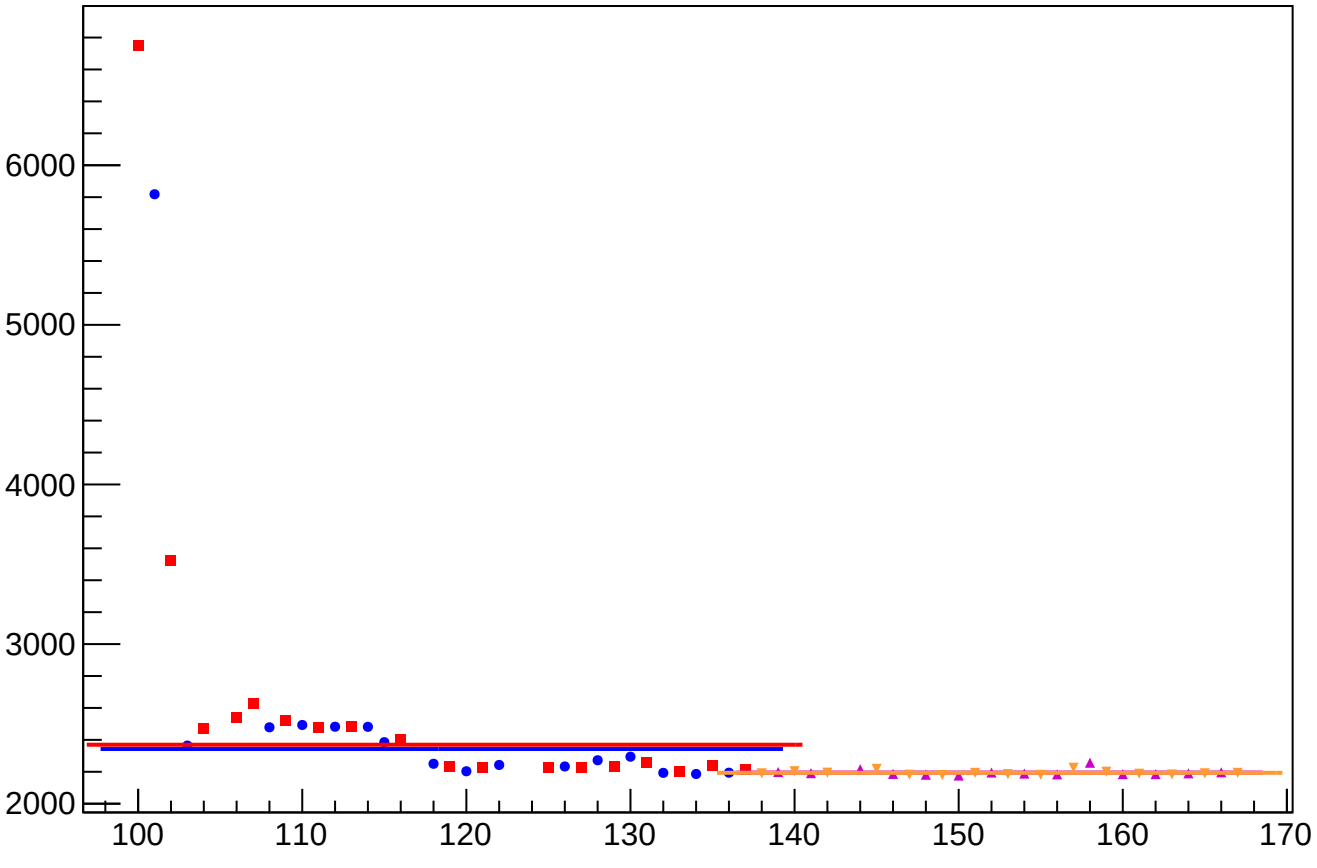
Left: 4156.358+/-453.961 χ^2/NDF: 44.8/28

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4192.925+/-522.025 χ^2/NDF:42.9/29

Out: 4175.449+/-518.633 χ^2/NDF:31.1/32

All: 4184.130+/-367.922 χ^2/NDF: 74.0/62



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.653+/-0.451 χ^2/NDF:838.4/14

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.228+/-0.457 χ^2/NDF:1840.1/13

Left: 2194.431+/-0.321 χ^2/NDF: 2684.5/28

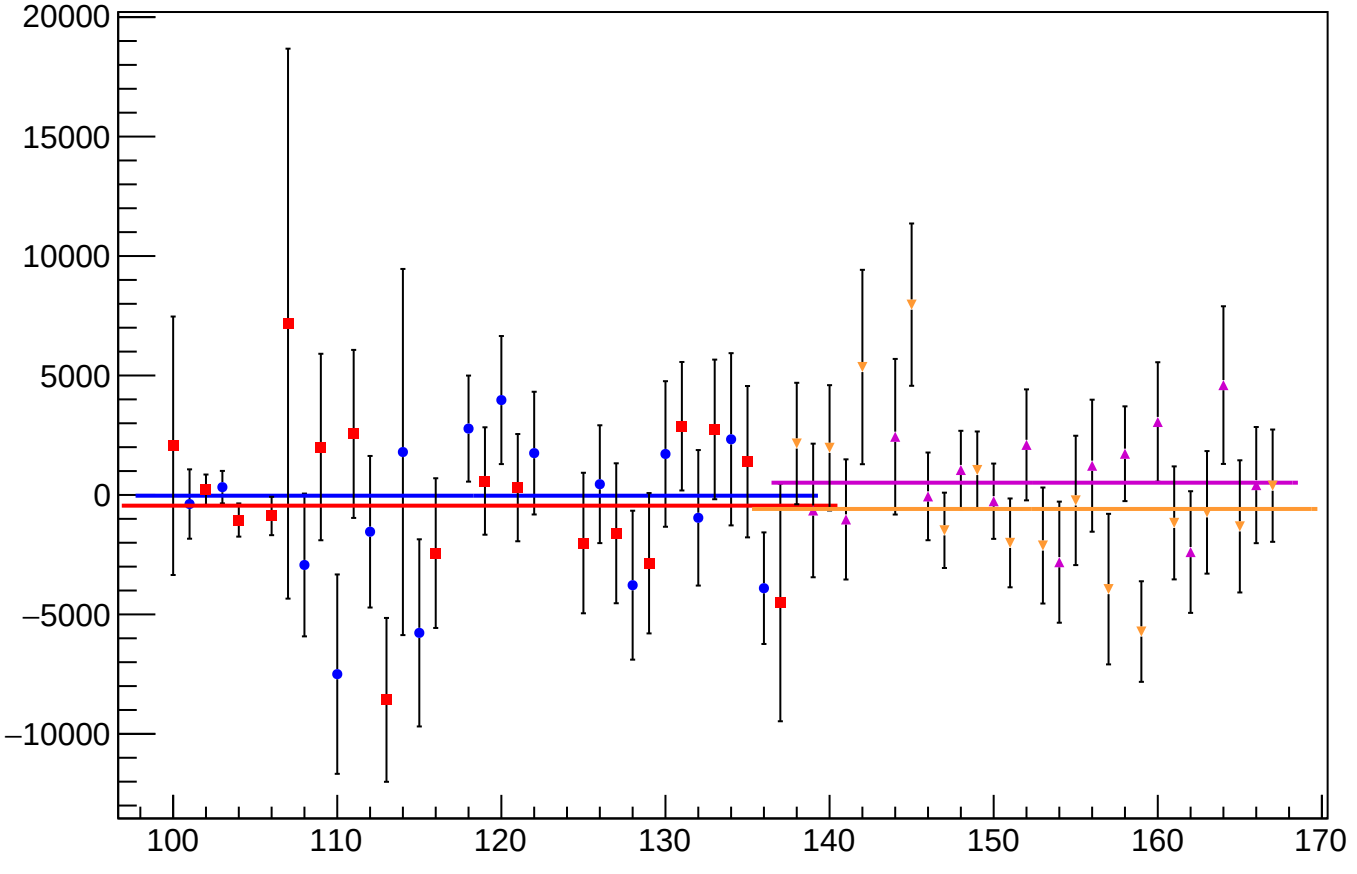
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2246.487+/-0.369 χ^2/NDF:540981.8/29

Out: 2253.333+/-0.367 χ^2/NDF:262565.5/32

All: 2249.932+/-0.260 χ^2/NDF: 803720.4/62

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -586.057+/-597.787 χ^2/NDF:20.3/14

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 512.921+/-602.585 χ^2/NDF:7.8/13

Left: -40.961+/-424.385 χ^2/NDF: 29.8/28

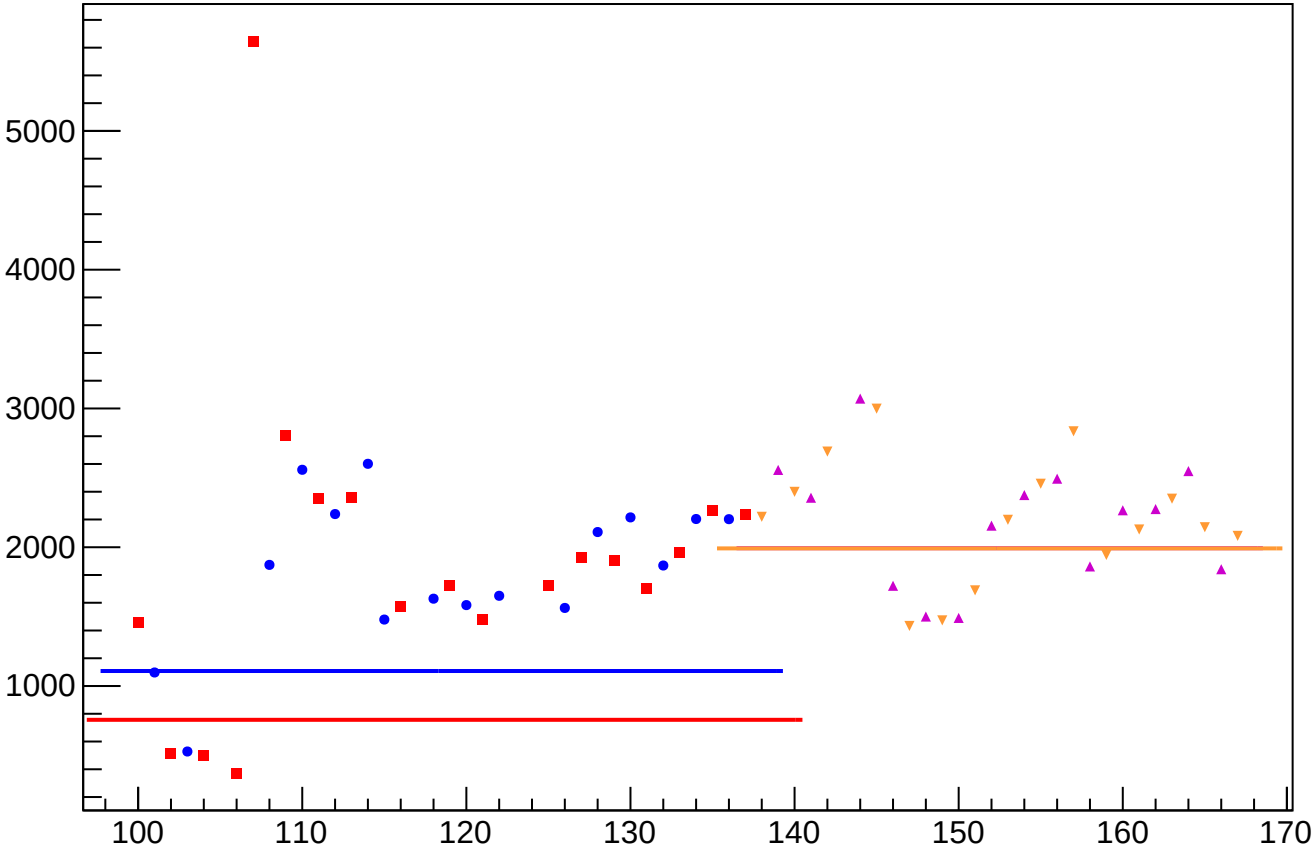
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 182.768+/-377.980 χ^2/NDF:24.7/29

Out: -485.323+/-310.009 χ^2/NDF:35.4/32

All: -216.644+/-239.699 χ^2/NDF: 62.0/62

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1991.691+/-0.423 χ^2/NDF:1082702.6/14

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1993.059+/-0.426 χ^2/NDF:1012895.2/13

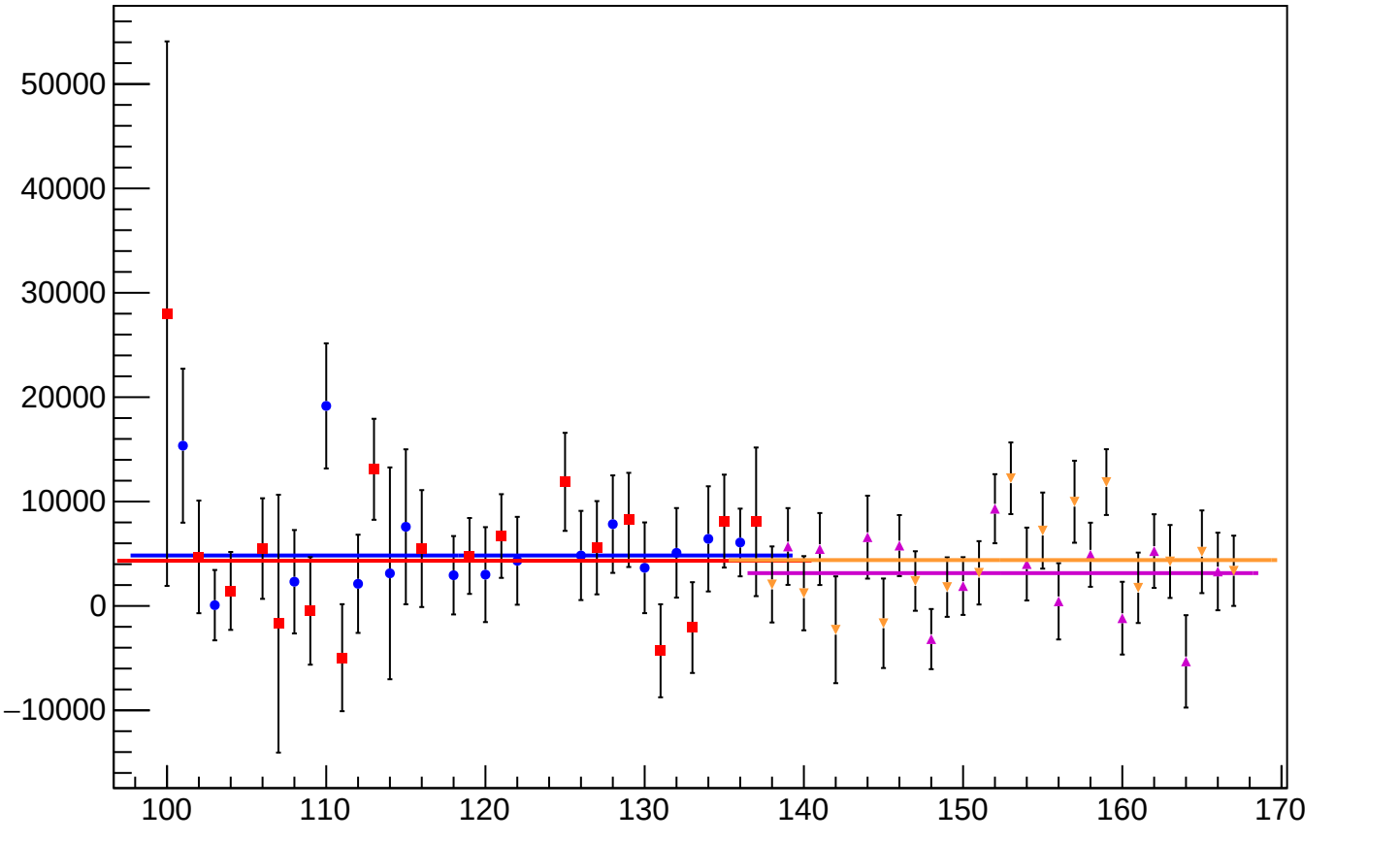
Left: 1992.370+/-0.300 χ^2/NDF: 2095603.0/28

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1456.325+/-0.267 χ^2/NDF:7375375.9/29

Out: 1088.645+/-0.219 χ^2/NDF:12928973.2/32

All: 1236.510+/-0.169 χ^2/NDF: 21435757.4/6



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4392.985+/-894.756 χ^2/NDF:20.6/14

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3144.243+/-901.539 χ^2/NDF:17.5/13

Left: 3773.329+/-635.073 χ^2/NDF: 39.0/28

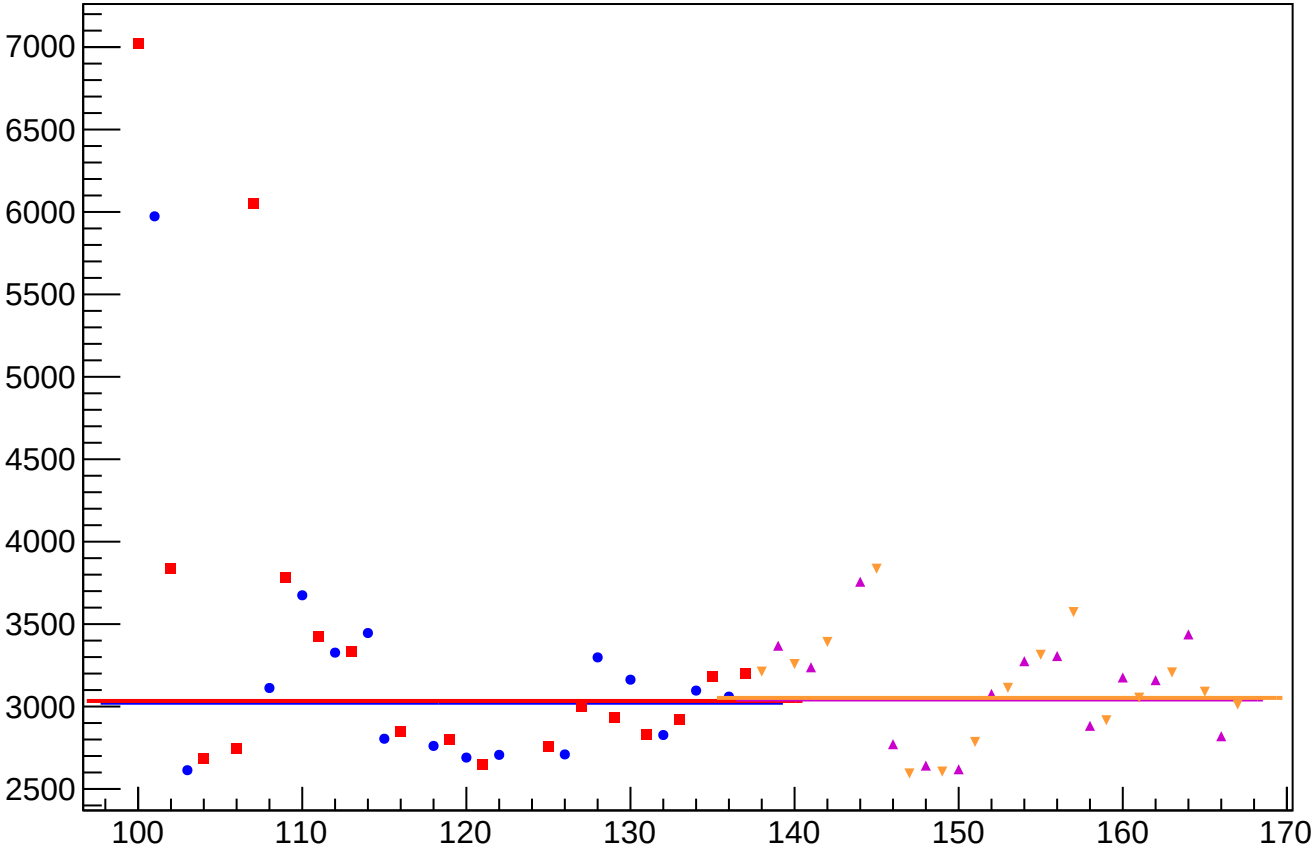
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 3792.557+/-707.742 χ^2/NDF:30.5/29

Out: 4368.562+/-704.915 χ^2/NDF:40.5/32

All: 4081.712+/-499.447 χ^2/NDF: 71.3/62

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3052.359+/-0.633 χ^2/NDF:256529.1/14

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3042.707+/-0.637 χ^2/NDF:242769.8/13

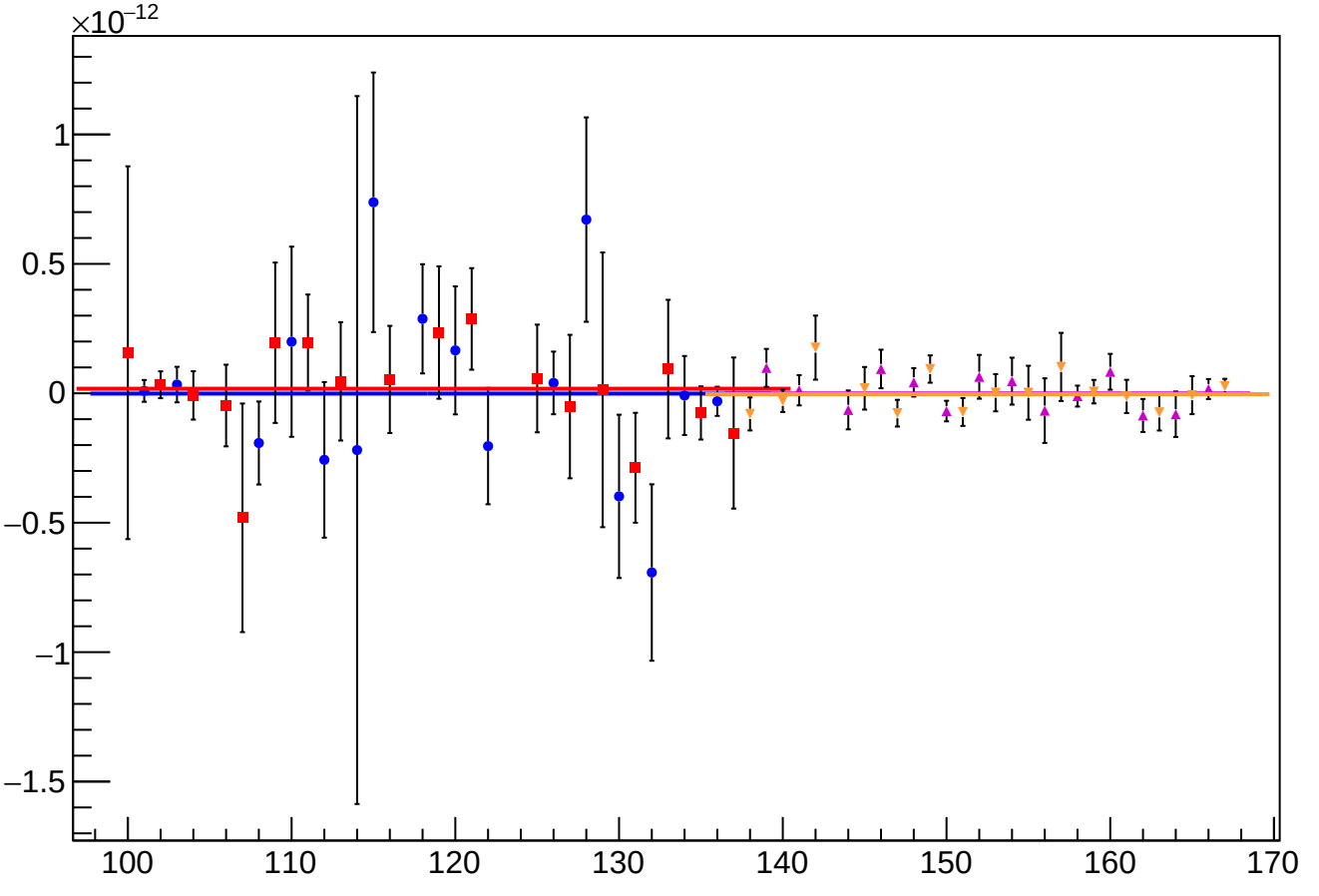
Left: 3047.569+/-0.449 χ^2/NDF: 499414.3/28

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3035.171+/-0.500 χ^2/NDF:686839.7/29

Out: 3045.345+/-0.498 χ^2/NDF:599527.7/32

All: 3040.279+/-0.353 χ^2/NDF: 1286574.9/62



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/13

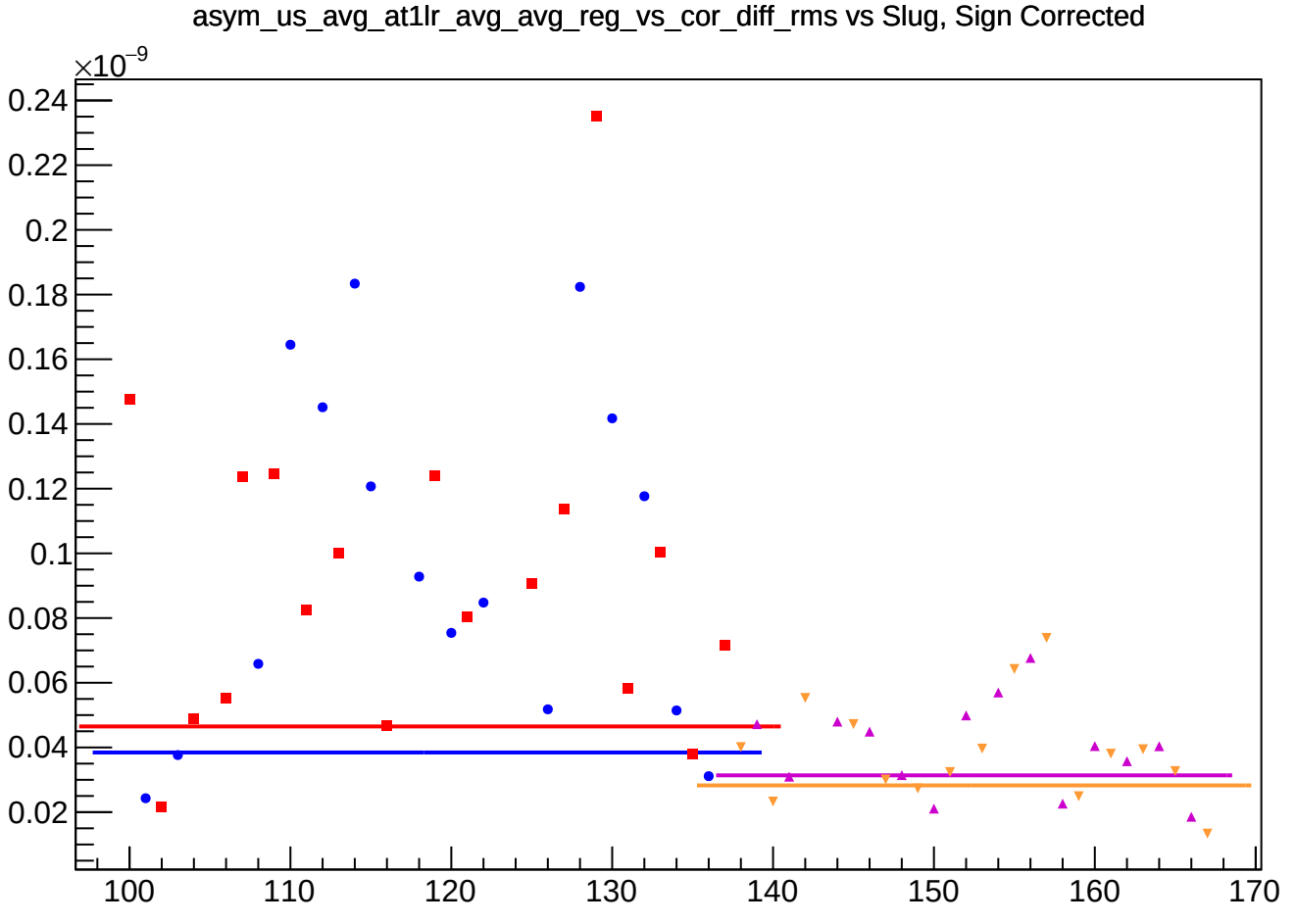
Left: -0.000+/-0.000 χ^2/NDF: 27.2/28

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

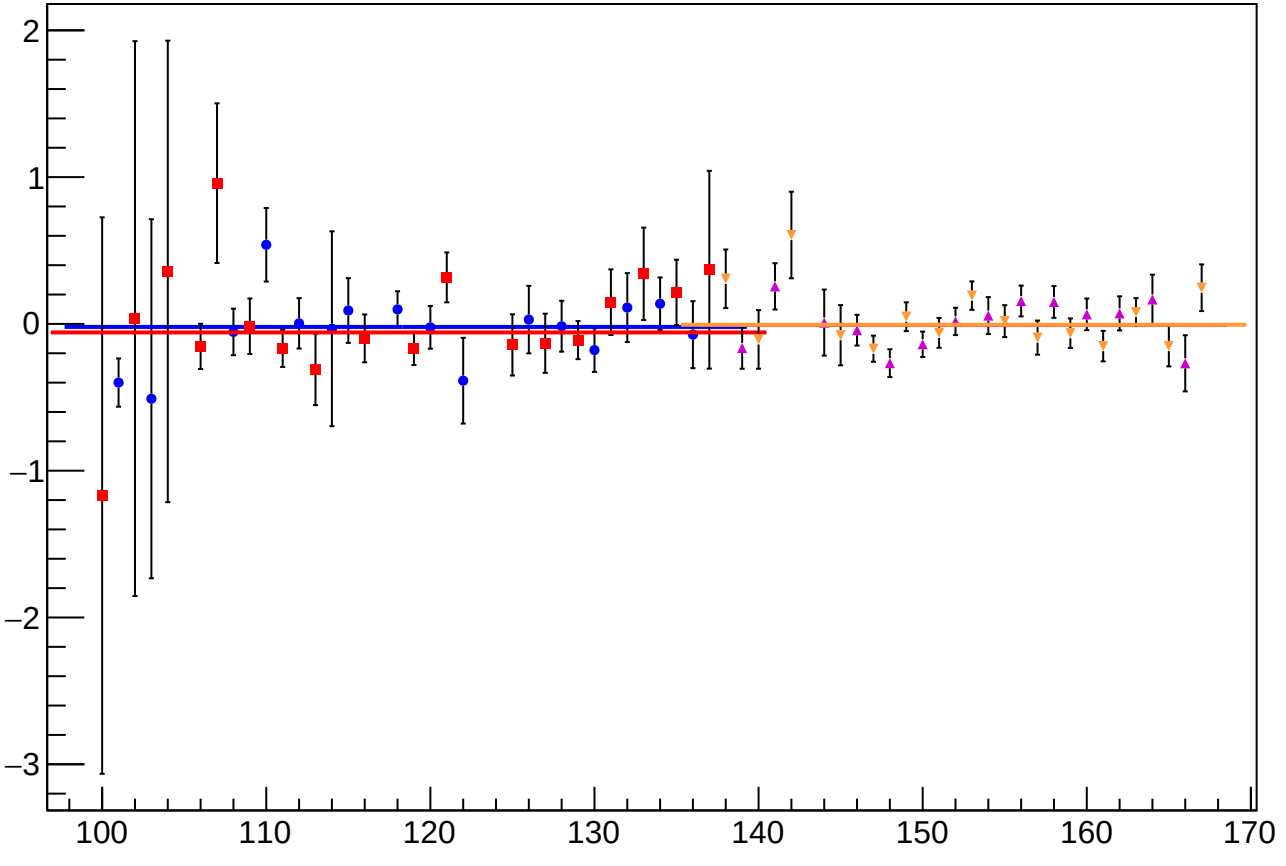
In: -0.000+/-0.000 χ^2/NDF:30.3/29

Out: -0.000+/-0.000 χ^2/NDF:23.2/32

All: -0.000+/-0.000 χ^2/NDF: 53.5/62


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1508036.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:1192644.0/13
Left: 0.000+/-0.000 χ²/NDF: 2742578.6/28
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:3064687.5/29
Out: 0.000+/-0.000 χ²/NDF:3679368.5/32
All: 0.000+/-0.000 χ²/NDF: 6769726.8/62

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:22.6/14

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.031 χ^2/NDF:22.6/13

Left: -0.007+/-0.022 χ^2/NDF: 45.3/28

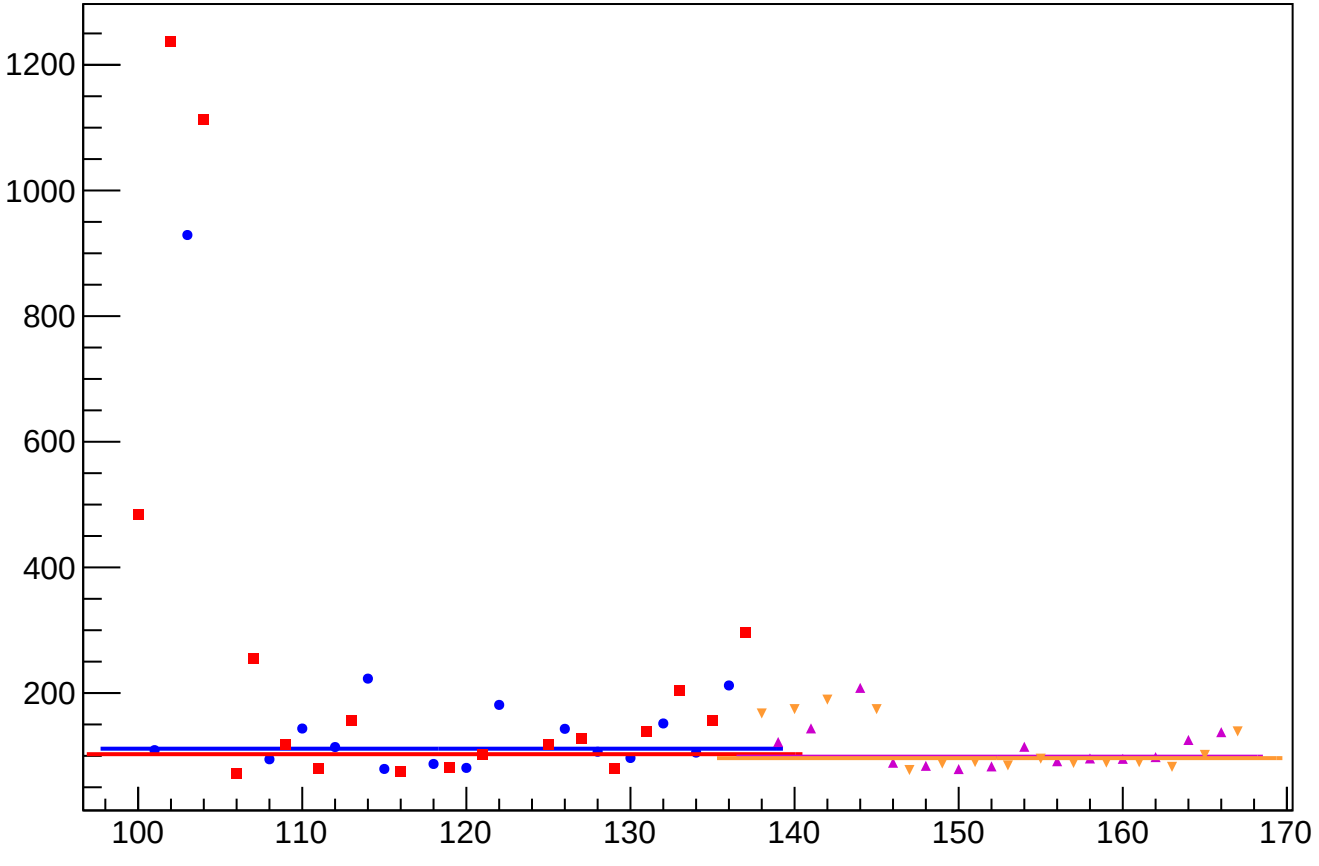
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.026 χ^2/NDF:38.3/29

Out: -0.022+/-0.026 χ^2/NDF:40.4/32

All: -0.017+/-0.018 χ^2/NDF: 78.8/62

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.384+/-0.022 χ^2/NDF:1405090.5/14

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.727+/-0.022 χ^2/NDF:1092064.3/13

Left: 97.530+/-0.015 χ^2/NDF: 2502896.1/28

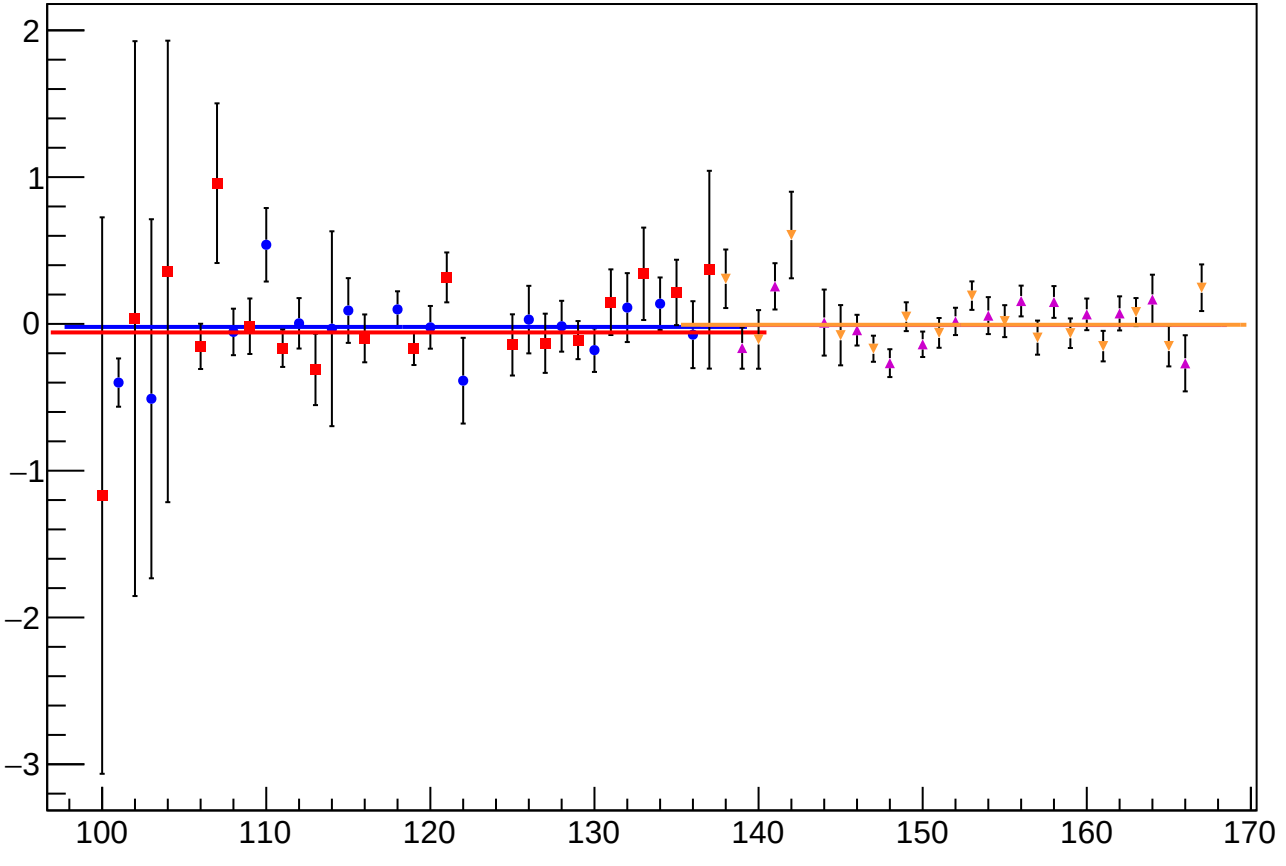
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 102.545+/-0.018 χ^2/NDF:3030487.2/29

Out: 98.288+/-0.018 χ^2/NDF:4257553.5/32

All: 100.367+/-0.013 χ^2/NDF: 7315190.1/62

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:22.6/14

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.031 χ^2/NDF:22.6/13

Left: -0.007+/-0.022 χ^2/NDF: 45.3/28

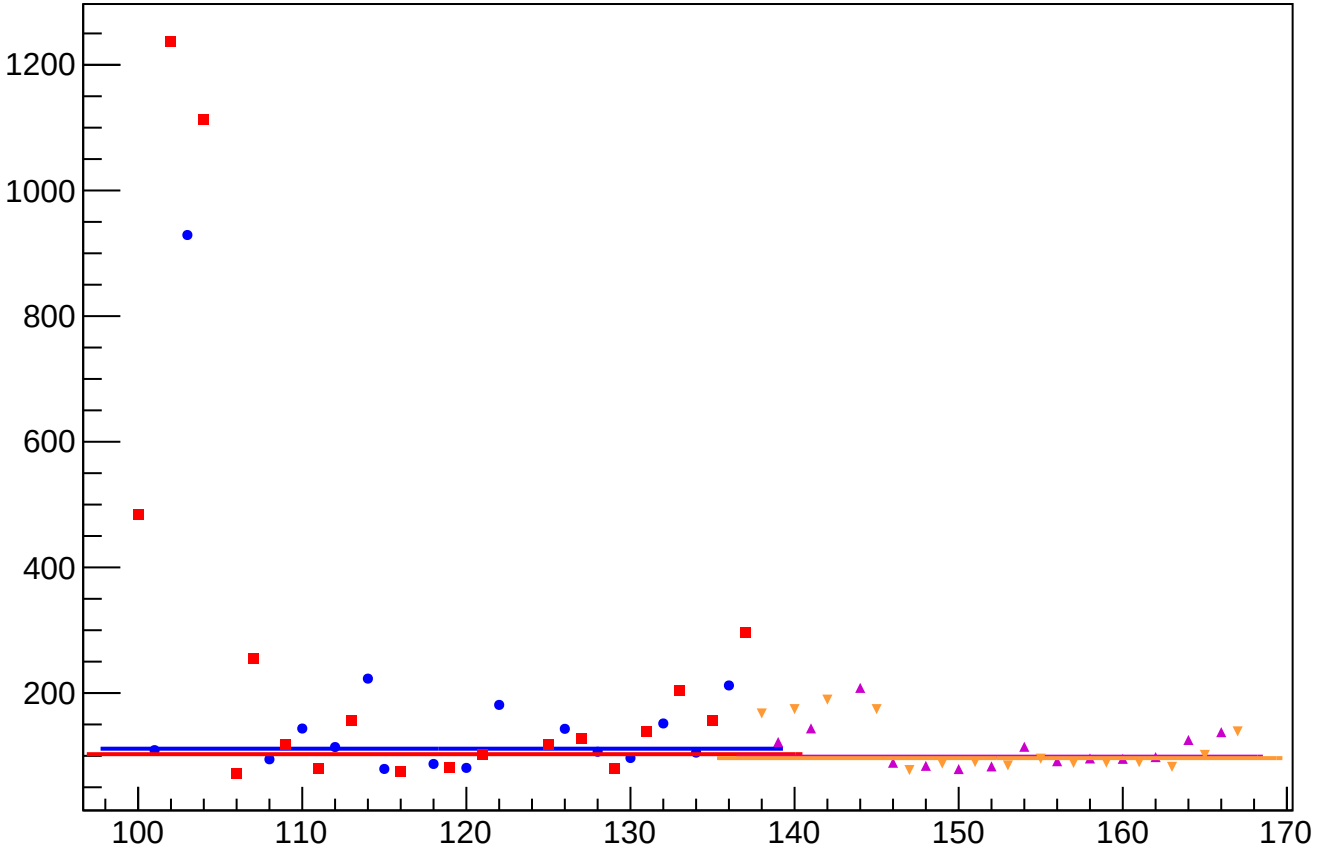
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.026 χ^2/NDF:38.3/29

Out: -0.022+/-0.026 χ^2/NDF:40.4/32

All: -0.017+/-0.018 χ^2/NDF: 78.8/62

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.384+/-0.022 χ^2/NDF:1405090.5/14

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.727+/-0.022 χ^2/NDF:1092064.3/13

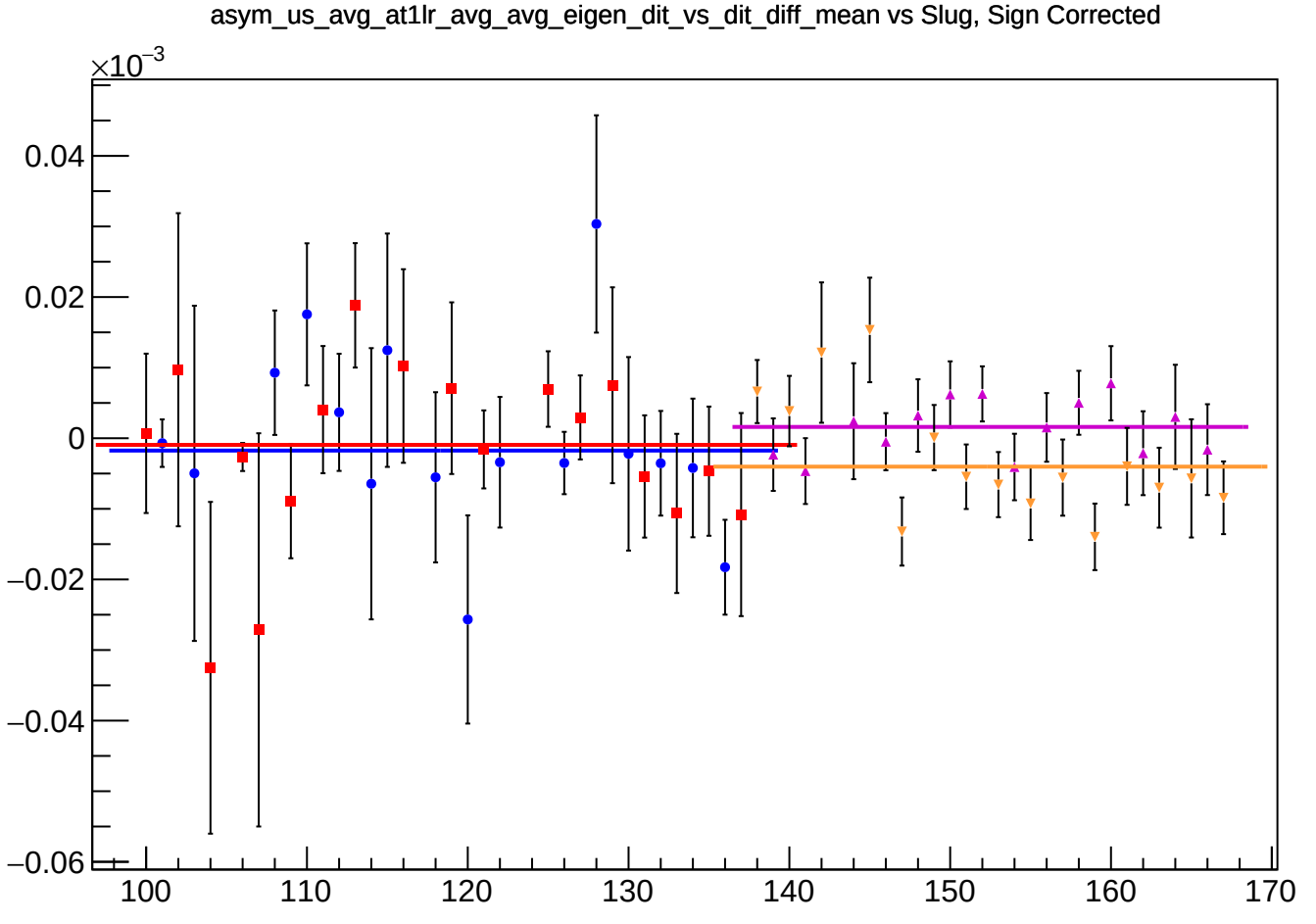
Left: 97.530+/-0.015 χ^2/NDF: 2502896.1/28

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

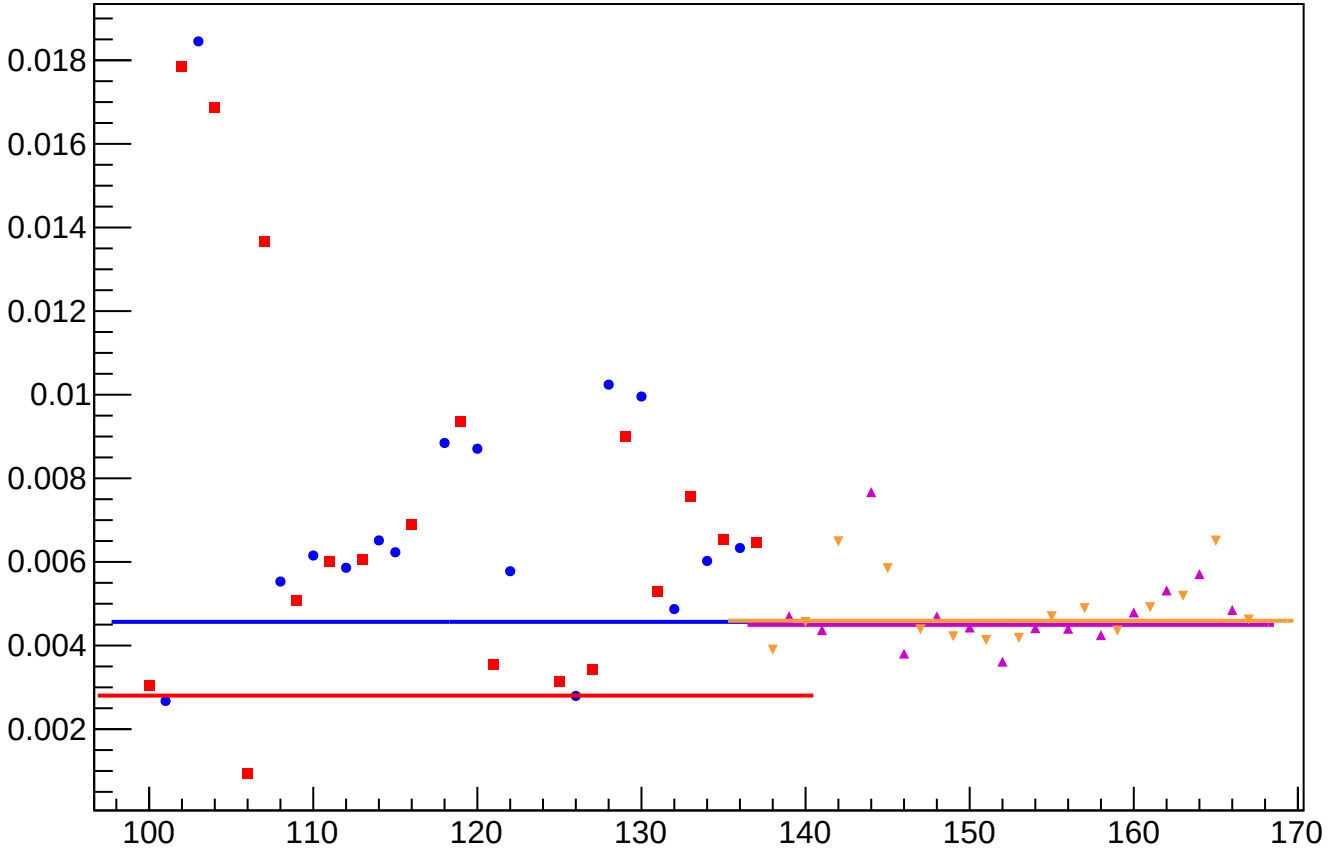
In: 102.545+/-0.018 χ^2/NDF:3030487.2/29

Out: 98.288+/-0.018 χ^2/NDF:4257553.5/32

All: 100.367+/-0.013 χ^2/NDF: 7315190.1/62


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:29.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:9.2/13
Left: -0.000+/-0.000 χ²/NDF: 46.9/28
Right: -0.000+/-0.000 χ²/NDF: 35.9/33
In: 0.000+/-0.000 χ²/NDF:31.3/29
Out: -0.000+/-0.000 χ²/NDF:47.1/32
All: -0.000+/-0.000 χ²/NDF: 82.8/62

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:377559.2/14

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:578665.4/13

Left: 0.005+/-0.000 χ^2/NDF: 961465.7/28

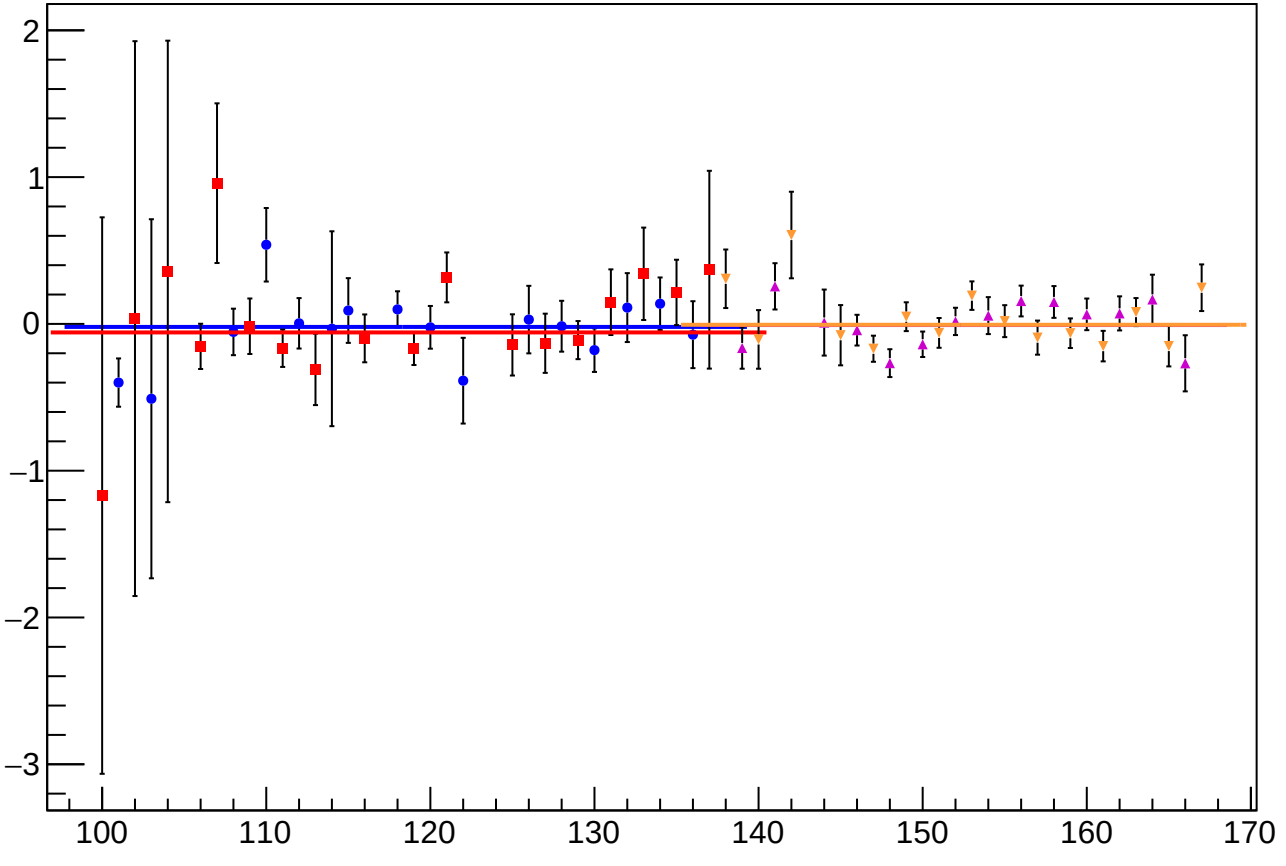
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.005+/-0.000 χ^2/NDF:3592777.4/29

Out: 0.004+/-0.000 χ^2/NDF:8570602.0/32

All: 0.004+/-0.000 χ^2/NDF: 12667958.8/62

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:22.6/14

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.031 χ^2/NDF:22.6/13

Left: -0.007+/-0.022 χ^2/NDF: 45.3/28

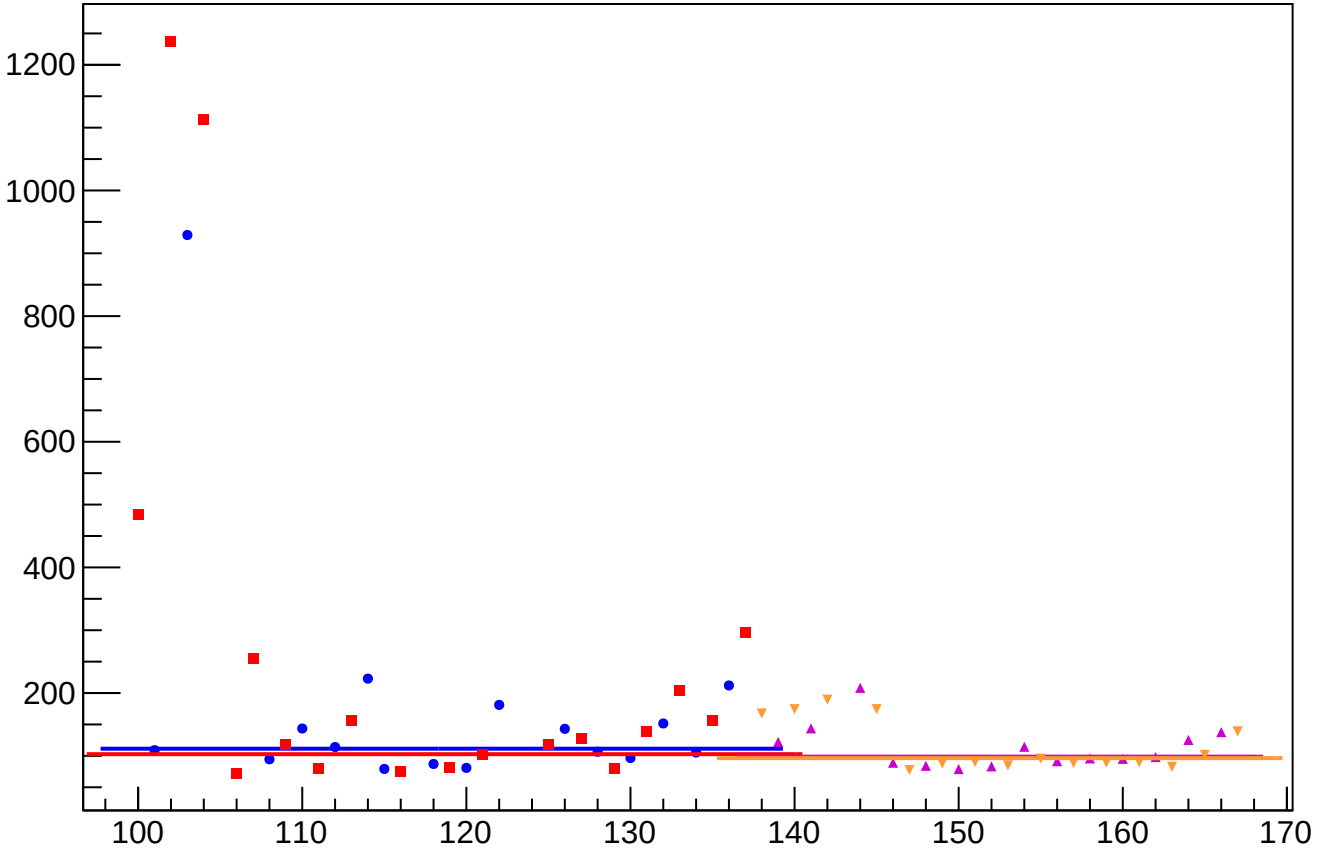
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.026 χ^2/NDF:38.3/29

Out: -0.022+/-0.026 χ^2/NDF:40.4/32

All: -0.017+/-0.018 χ^2/NDF: 78.8/62

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.385+/-0.022 χ^2/NDF:1405074.8/14

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 98.728+/-0.022 χ^2/NDF:1092047.6/13

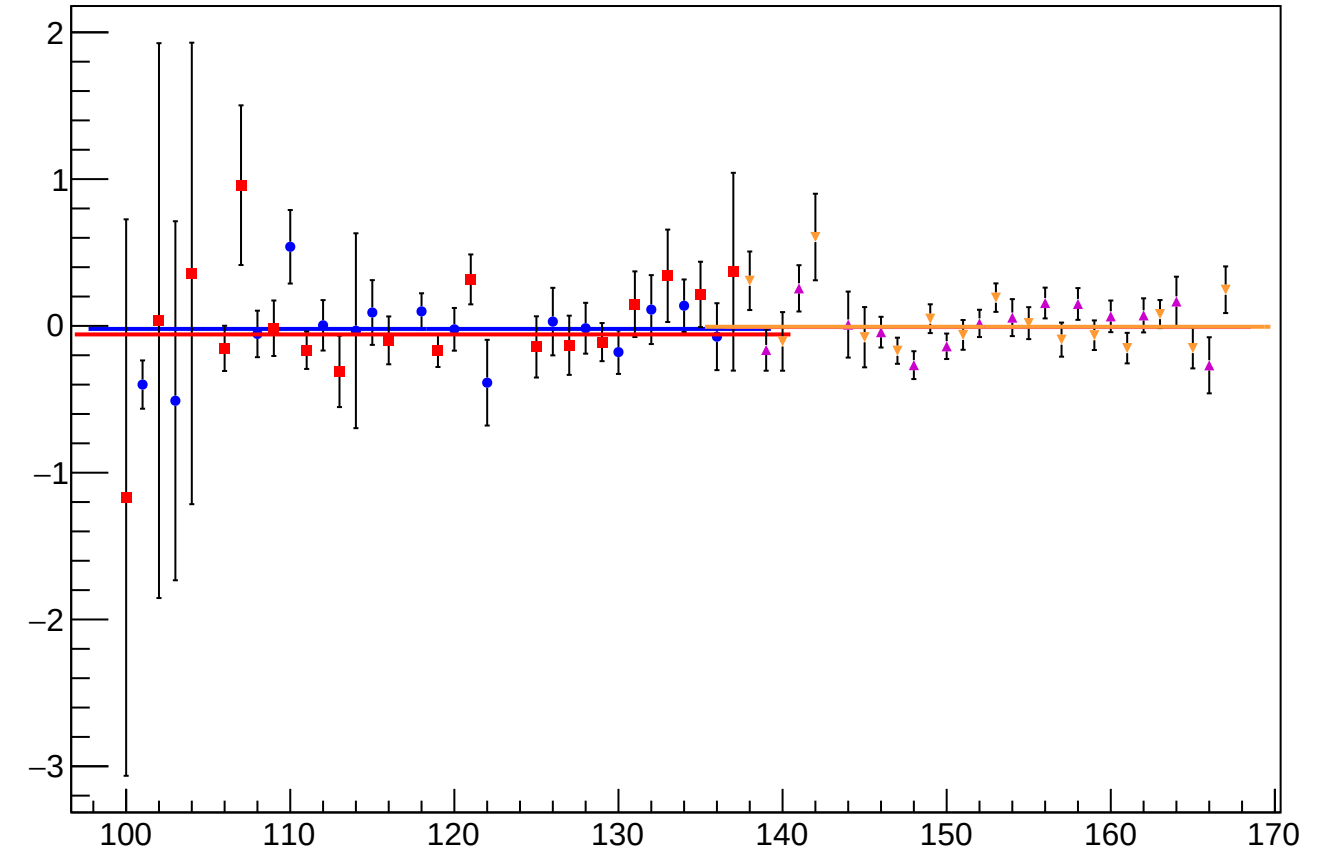
Left: 97.530+/-0.015 χ^2/NDF: 2502863.0/28

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 102.544+/-0.018 χ^2/NDF:3030471.9/29

Out: 98.288+/-0.018 χ^2/NDF:4257517.1/32

All: 100.367+/-0.013 χ^2/NDF: 7315133.9/62



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:22.6/14

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.031 χ^2/NDF:22.6/13

Left: -0.007+/-0.022 χ^2/NDF: 45.3/28

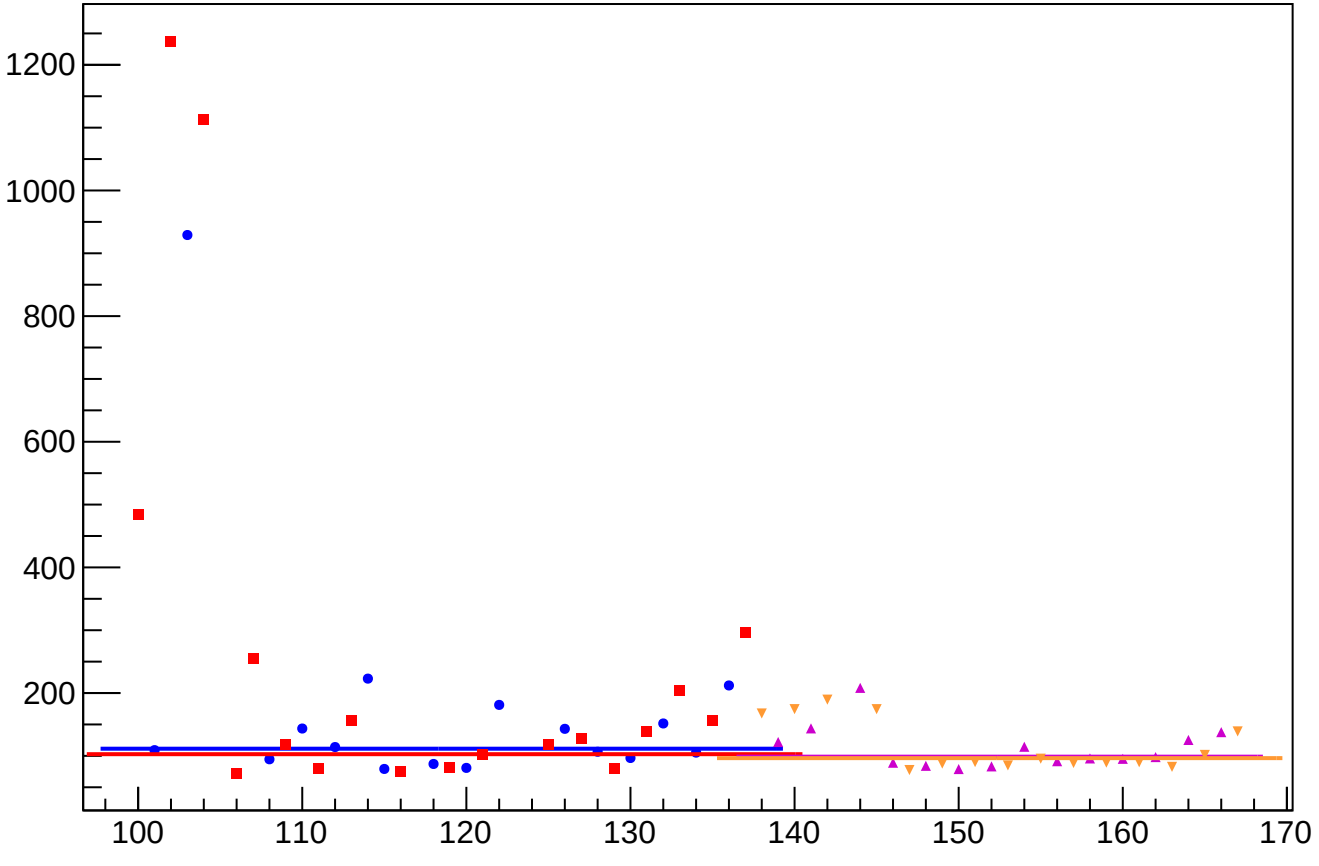
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.026 χ^2/NDF:38.3/29

Out: -0.022+/-0.026 χ^2/NDF:40.4/32

All: -0.017+/-0.018 χ^2/NDF: 78.8/62

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.385+/-0.022 χ^2/NDF:1405074.8/14

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 98.728+/-0.022 χ^2/NDF:1092047.6/13

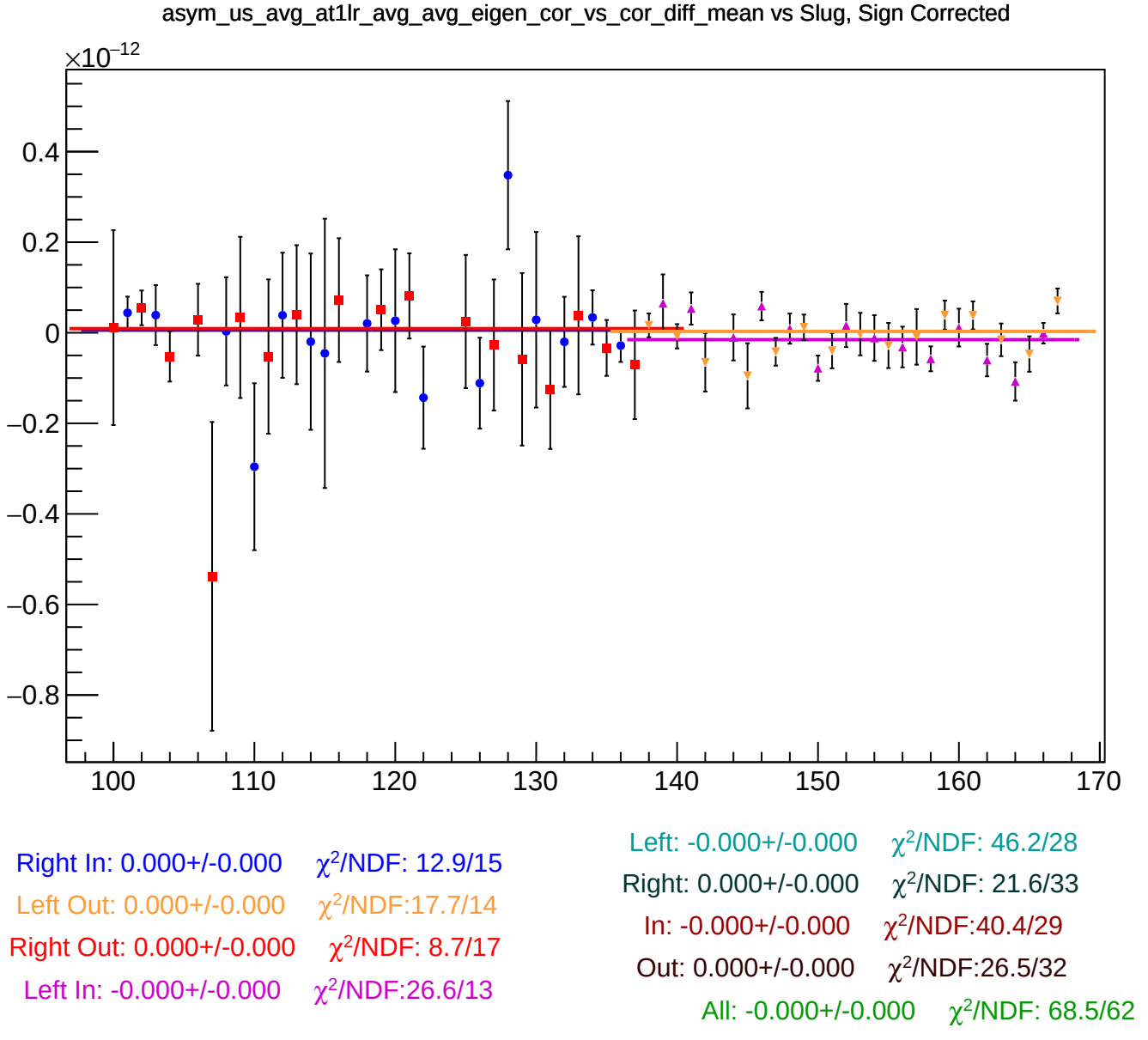
Left: 97.530+/-0.015 χ^2/NDF: 2502863.0/28

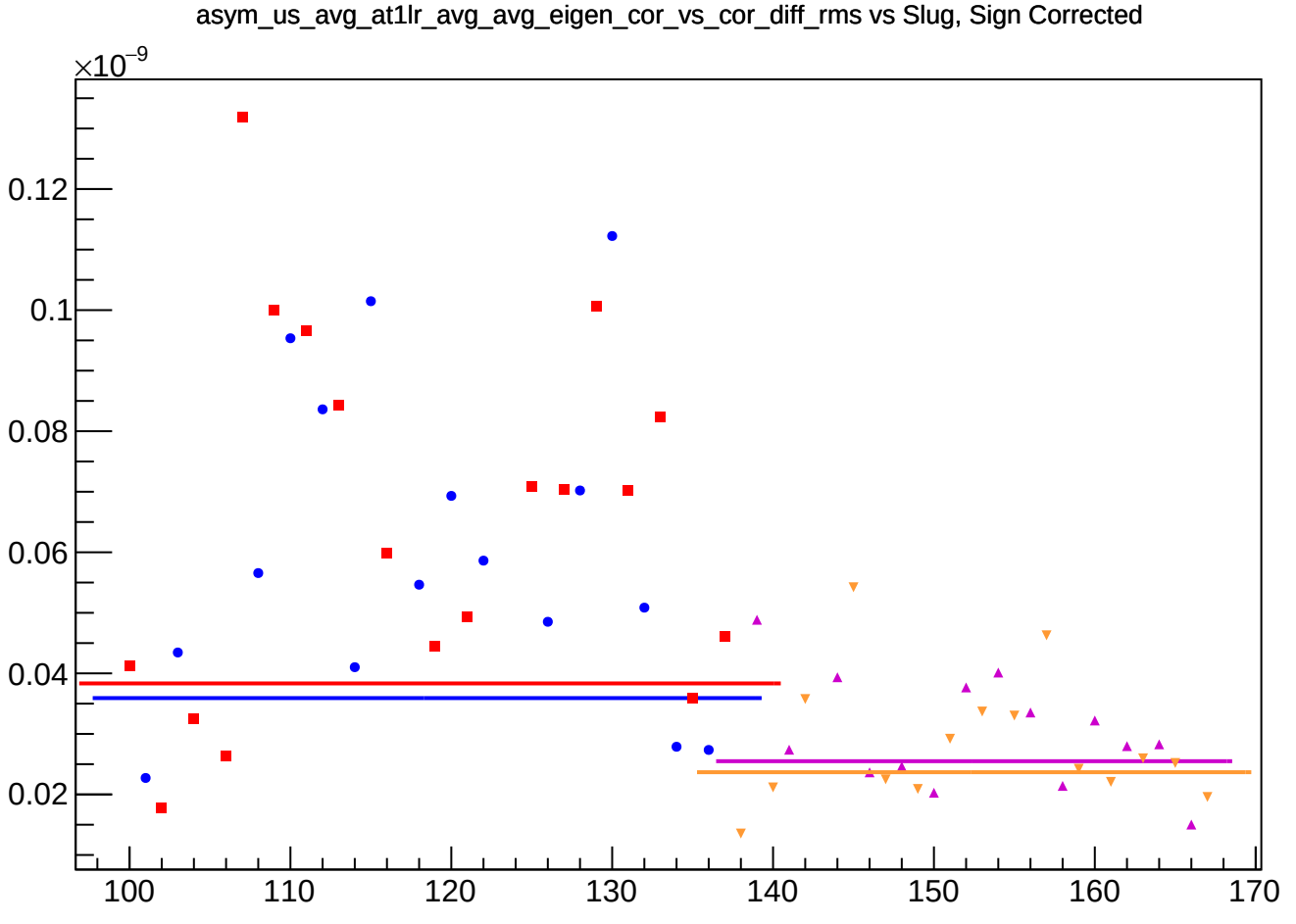
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 102.544+/-0.018 χ^2/NDF:3030471.9/29

Out: 98.288+/-0.018 χ^2/NDF:4257517.1/32

All: 100.367+/-0.013 χ^2/NDF: 7315133.9/62


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:26.6/13
Left: -0.000+/-0.000 χ²/NDF: 46.2/28
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: -0.000+/-0.000 χ²/NDF:40.4/29
Out: 0.000+/-0.000 χ²/NDF:26.5/32
All: -0.000+/-0.000 χ²/NDF: 68.5/62



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1303292.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1405138.3/13

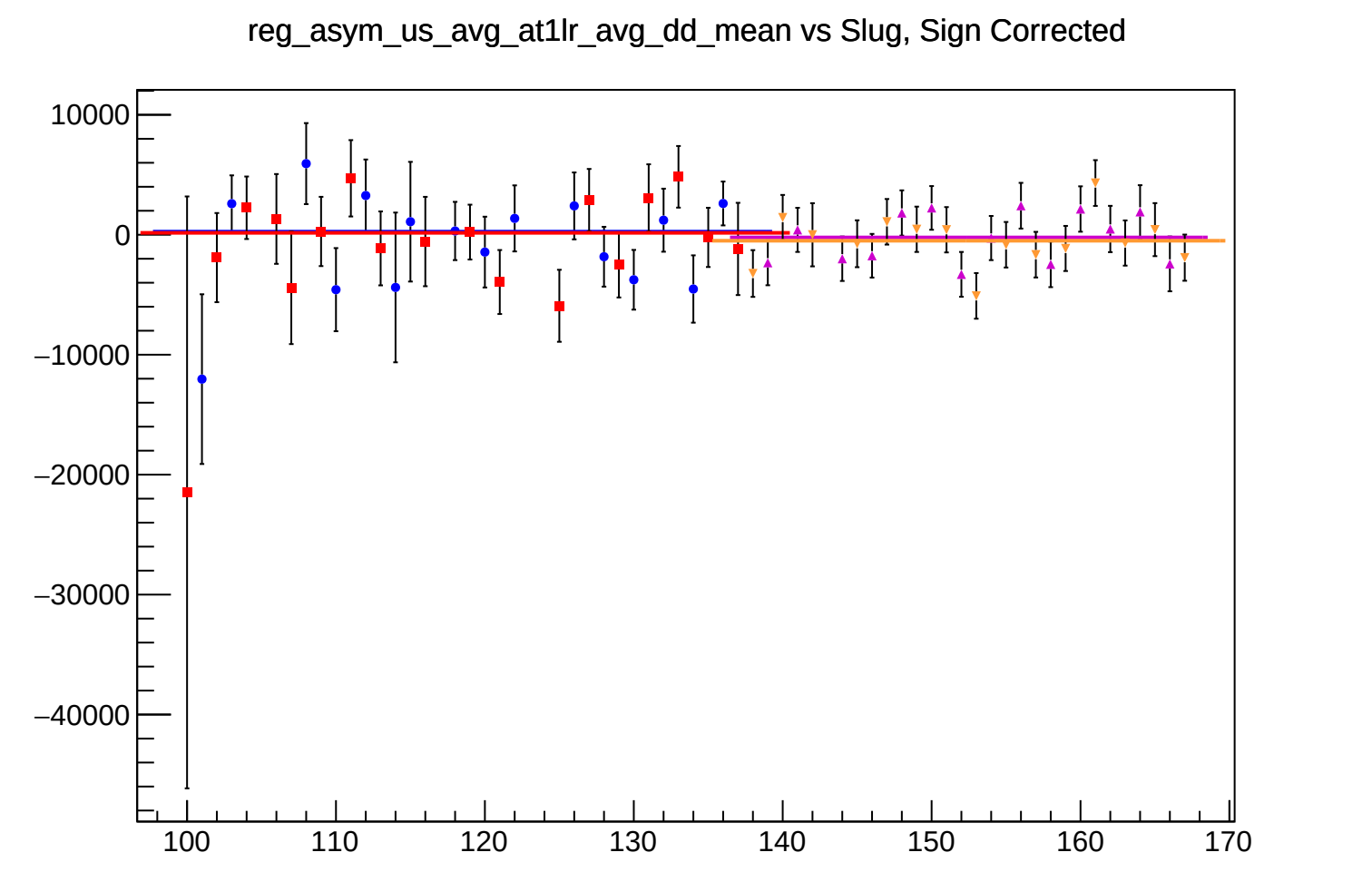
Left: 0.000+/-0.000 χ^2/NDF: 2746880.2/28

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:3638781.1/29

Out: 0.000+/-0.000 χ^2/NDF:4288575.3/32

All: 0.000+/-0.000 χ^2/NDF: 7966498.6/62



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -498.381+/-504.304 χ^2/NDF:17.7/14

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -225.784+/-510.854 χ^2/NDF:15.6/13

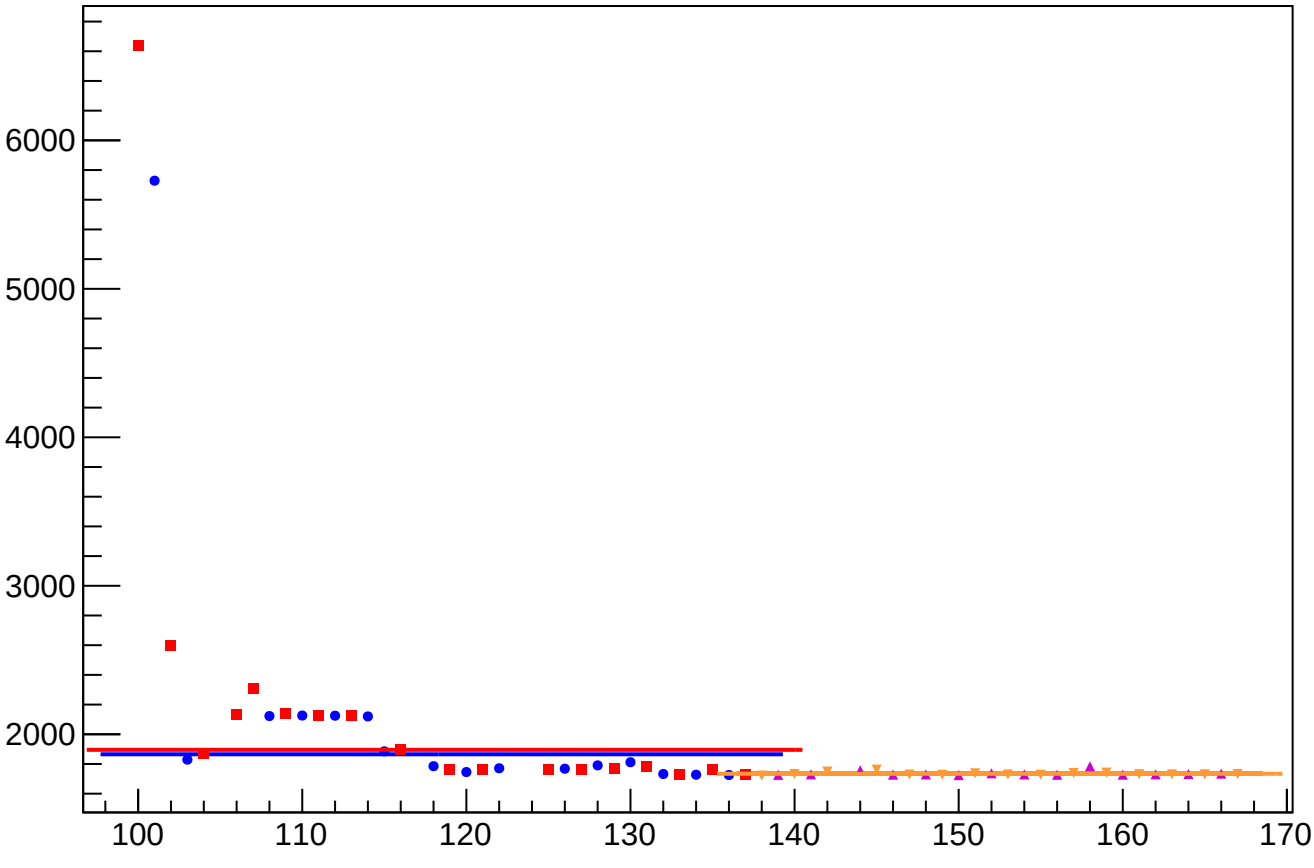
Left: -363.841+/-358.890 χ^2/NDF: 33.4/28

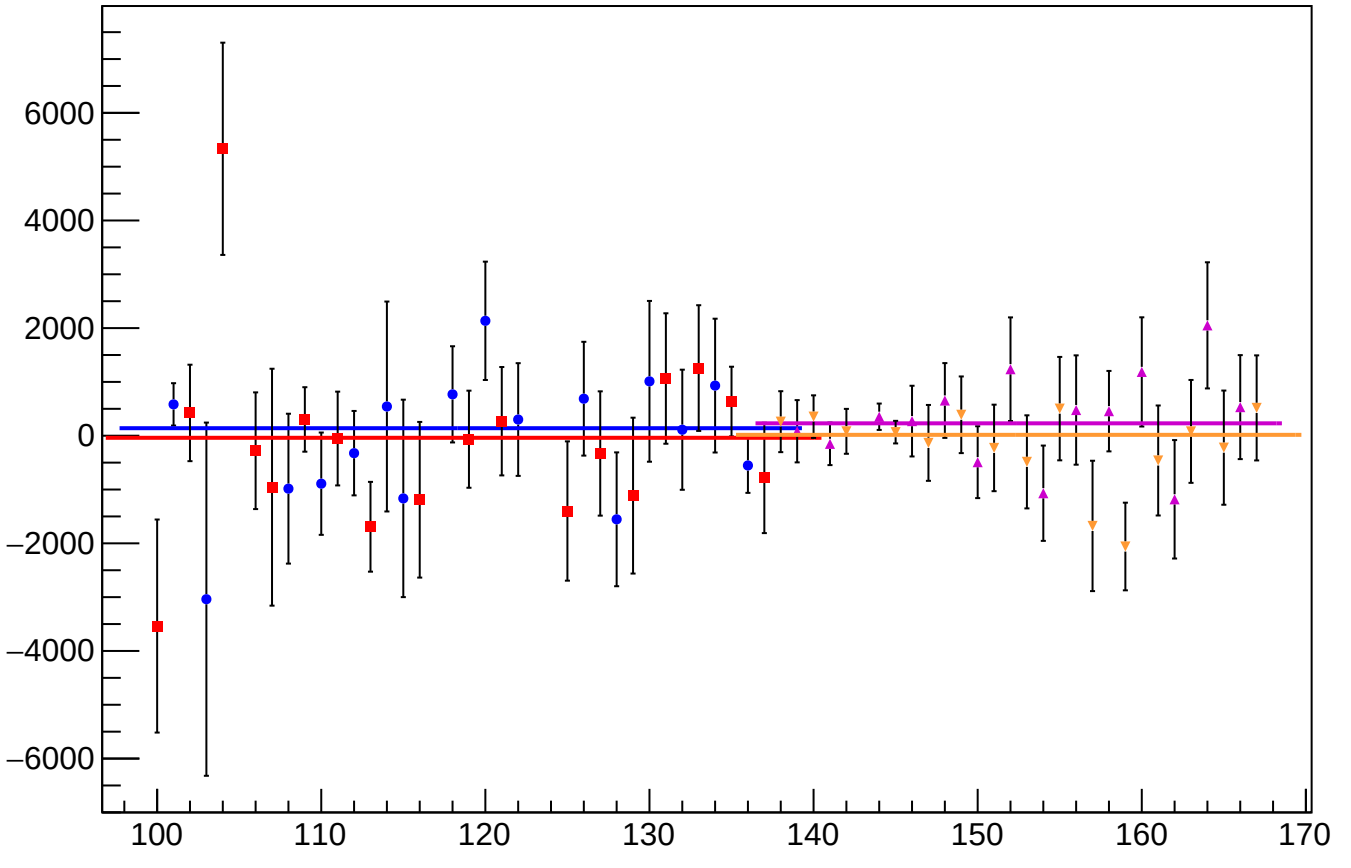
Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -60.157+/-414.611 χ^2/NDF:35.3/29

Out: -278.784+/-411.593 χ^2/NDF:36.3/32

All: -170.269+/-292.102 χ^2/NDF: 71.8/62


reg_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.053+/-0.357 χ²/NDF:697.4/14
Right Out: 1895.250+/-0.504 χ²/NDF: 250806.5/17
Left In: 1735.942+/-0.361 χ²/NDF:1885.9/13
Left: 1734.986+/-0.254 χ²/NDF: 2597.2/28
Right: 1880.155+/-0.356 χ²/NDF: 925321.0/33
In: 1780.048+/-0.293 χ²/NDF:718290.6/29
Out: 1787.874+/-0.291 χ²/NDF:319729.9/32
All: 1783.989+/-0.207 χ²/NDF: 1038379.4/62



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 16.305+/-138.583 χ^2/NDF:11.0/14

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 230.308+/-155.459 χ^2/NDF:11.2/13

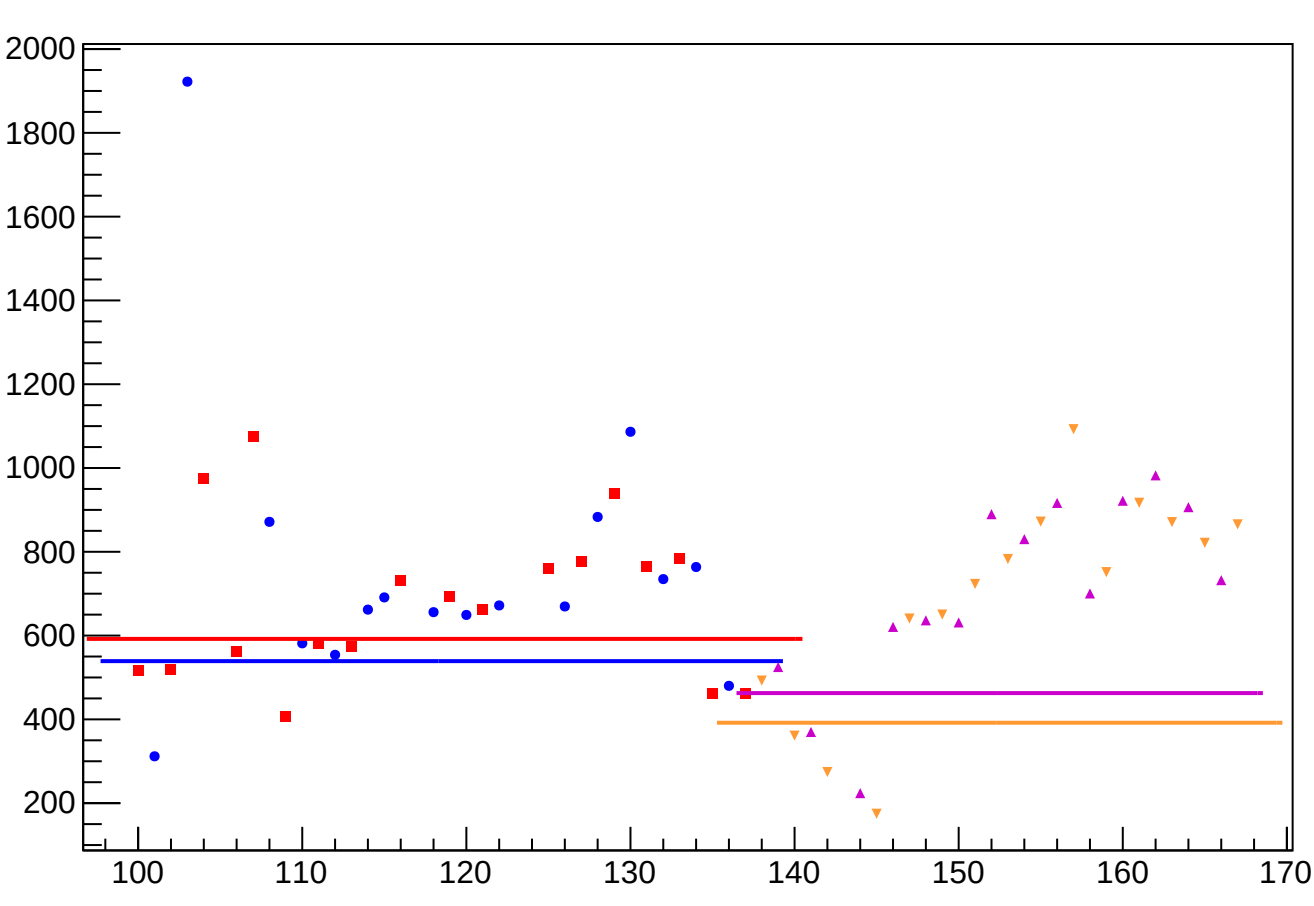
Left: 111.065+/-103.447 χ^2/NDF: 23.3/28

Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 200.184+/-126.979 χ^2/NDF:24.8/29

Out: 2.418+/-119.792 χ^2/NDF:32.4/32

All: 95.546+/-87.136 χ^2/NDF: 58.5/62



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 391.955+/-0.098 χ^2/NDF:7021061.8/14

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 462.733+/-0.110 χ^2/NDF:5038676.7/13

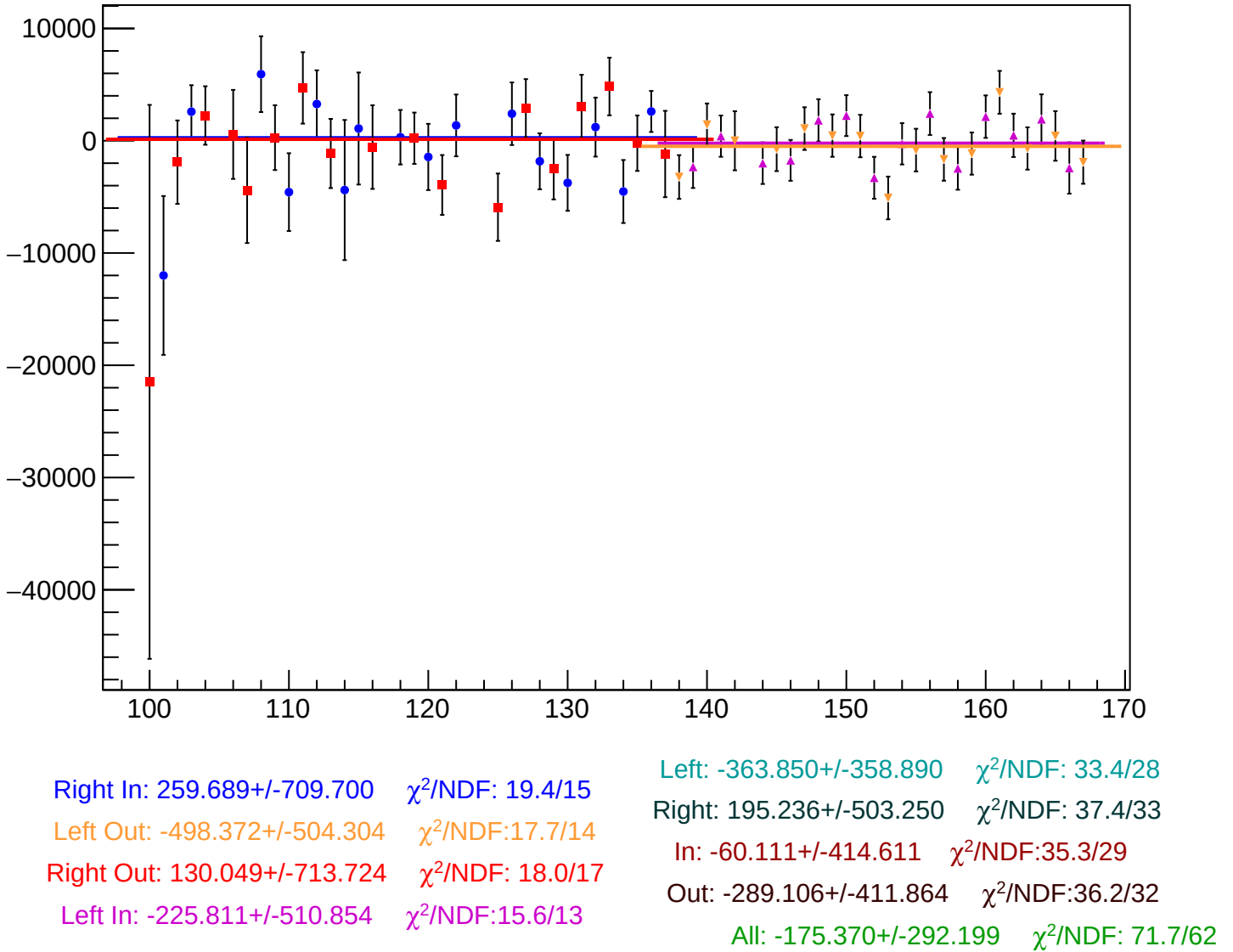
Left: 423.295+/-0.073 χ^2/NDF: 12290741.2/28

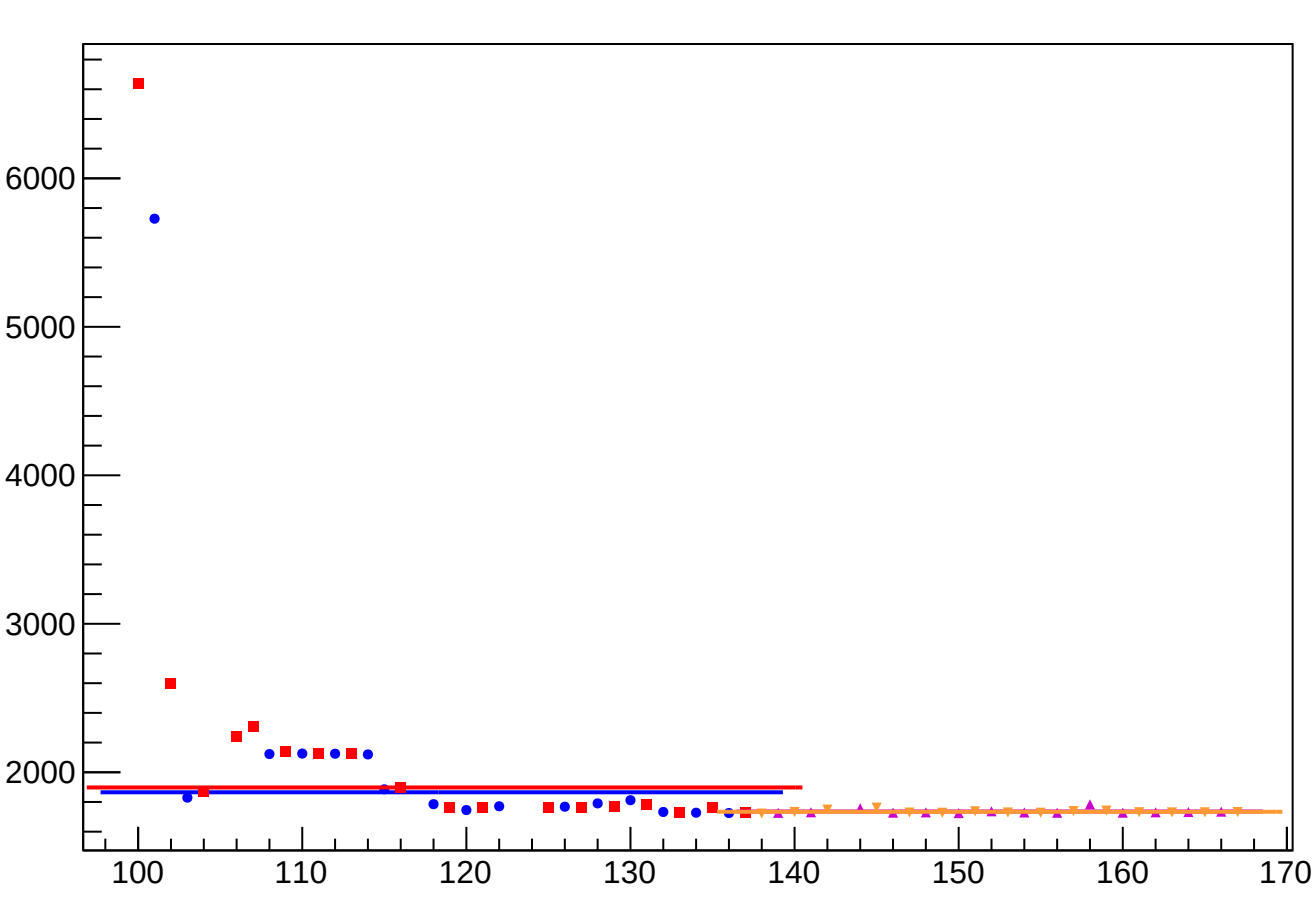
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 488.122+/-0.090 χ^2/NDF:7053534.5/29

Out: 442.552+/-0.085 χ^2/NDF:8918721.6/32

All: 464.011+/-0.062 χ^2/NDF: 16108550.3/62


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -498.372+/-504.304 χ²/NDF:17.7/14
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -225.811+/-510.854 χ²/NDF:15.6/13
Left: -363.850+/-358.890 χ²/NDF: 33.4/28
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -60.111+/-414.611 χ²/NDF:35.3/29
Out: -289.106+/-411.864 χ²/NDF:36.2/32
All: -175.370+/-292.199 χ²/NDF: 71.7/62


cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
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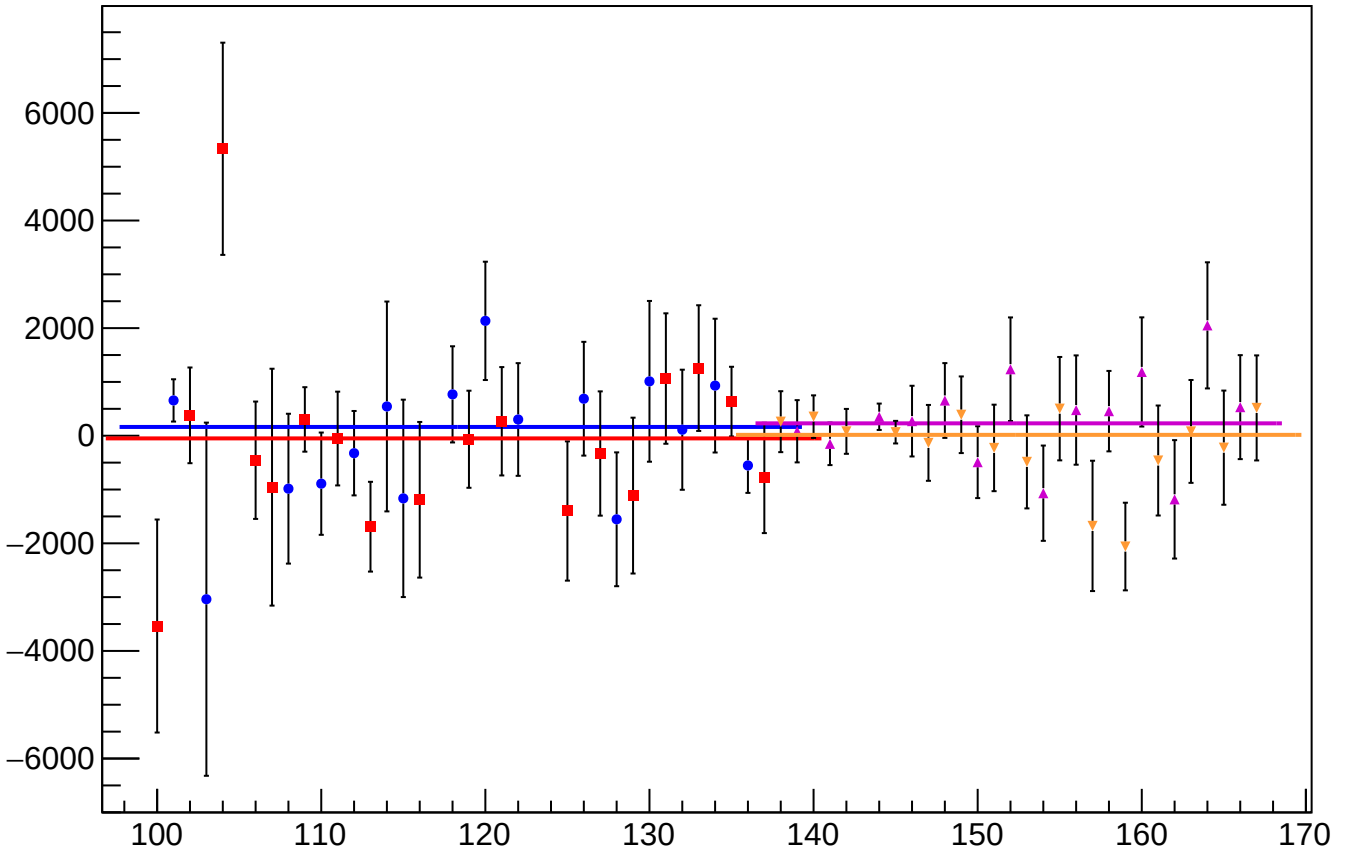
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.053+/-0.357 χ²/NDF:697.4/14
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1735.942+/-0.361 χ²/NDF:1885.9/13
Left: 1734.986+/-0.254 χ²/NDF: 2597.2/28
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1780.048+/-0.293 χ²/NDF:718290.5/29
Out: 1788.548+/-0.291 χ²/NDF:328563.4/32
All: 1784.326+/-0.207 χ²/NDF: 1047277.0/62



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 16.154+/-138.585 χ^2/NDF:11.0/14

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 230.299+/-155.459 χ^2/NDF:11.2/13

Left: 110.978+/-103.448 χ^2/NDF: 23.3/28

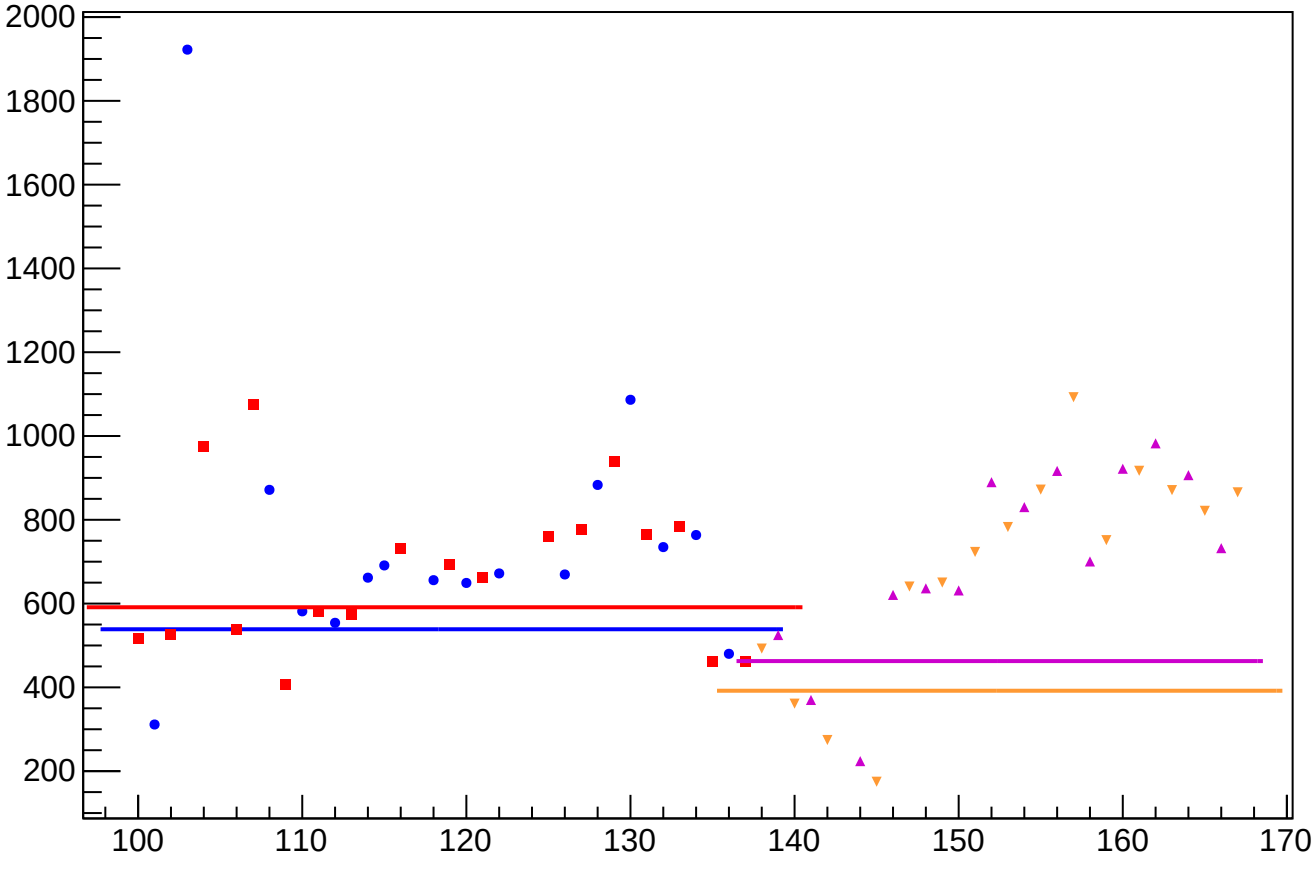
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 207.939+/-126.965 χ^2/NDF:25.2/29

Out: -0.479+/-119.786 χ^2/NDF:32.5/32

All: 97.671+/-87.129 χ^2/NDF: 59.1/62

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 391.964+/-0.098 χ^2/NDF:7020821.2/14

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 462.741+/-0.110 χ^2/NDF:5038338.1/13

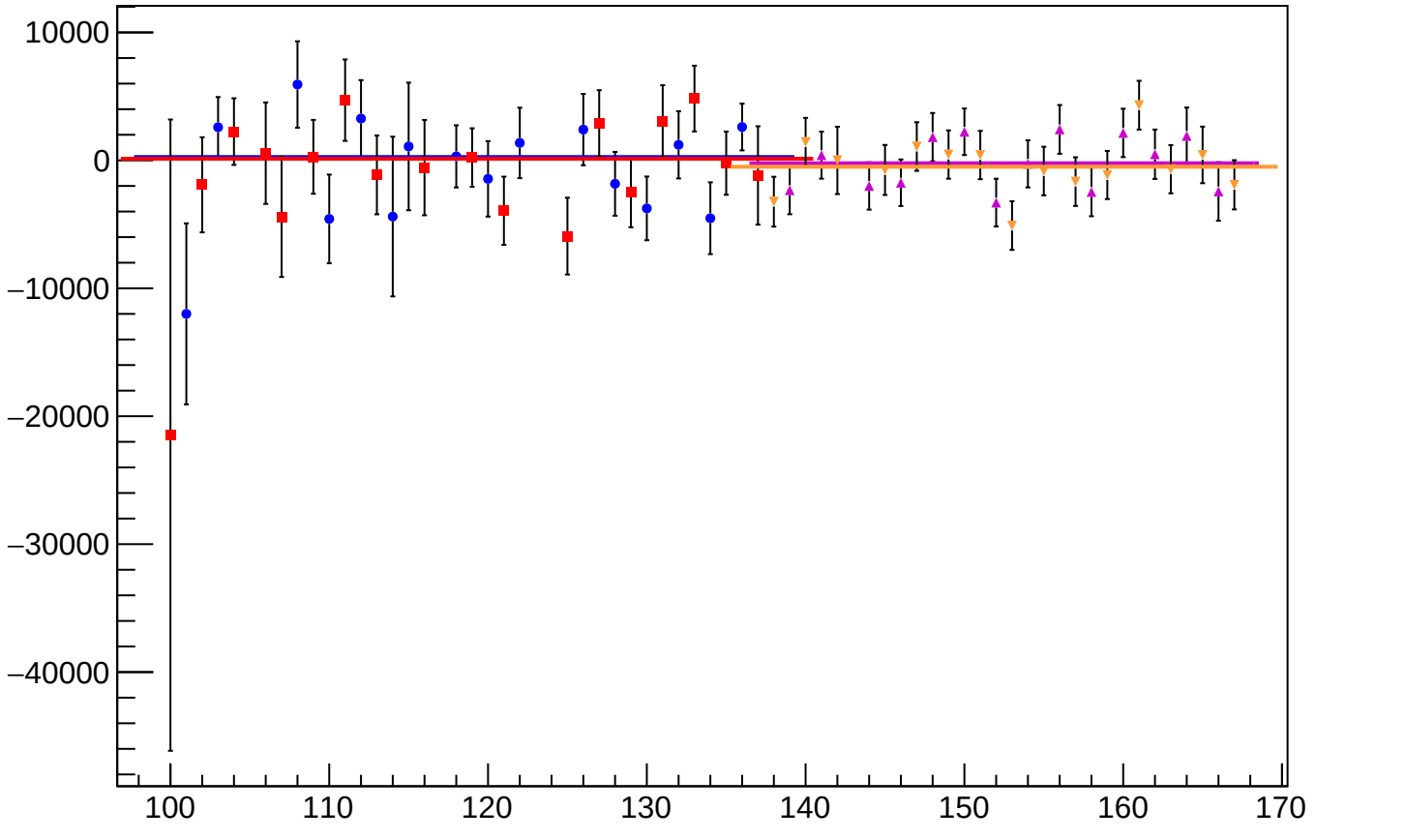
Left: 423.304+/-0.073 χ^2/NDF: 12290151.1/28

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 488.036+/-0.090 χ^2/NDF:7056237.8/29

Out: 442.360+/-0.085 χ^2/NDF:8911170.1/32

All: 463.870+/-0.062 χ^2/NDF: 16104352.1/62



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -498.372+/-504.304 χ^2/NDF:17.7/14

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -225.811+/-510.854 χ^2/NDF:15.6/13

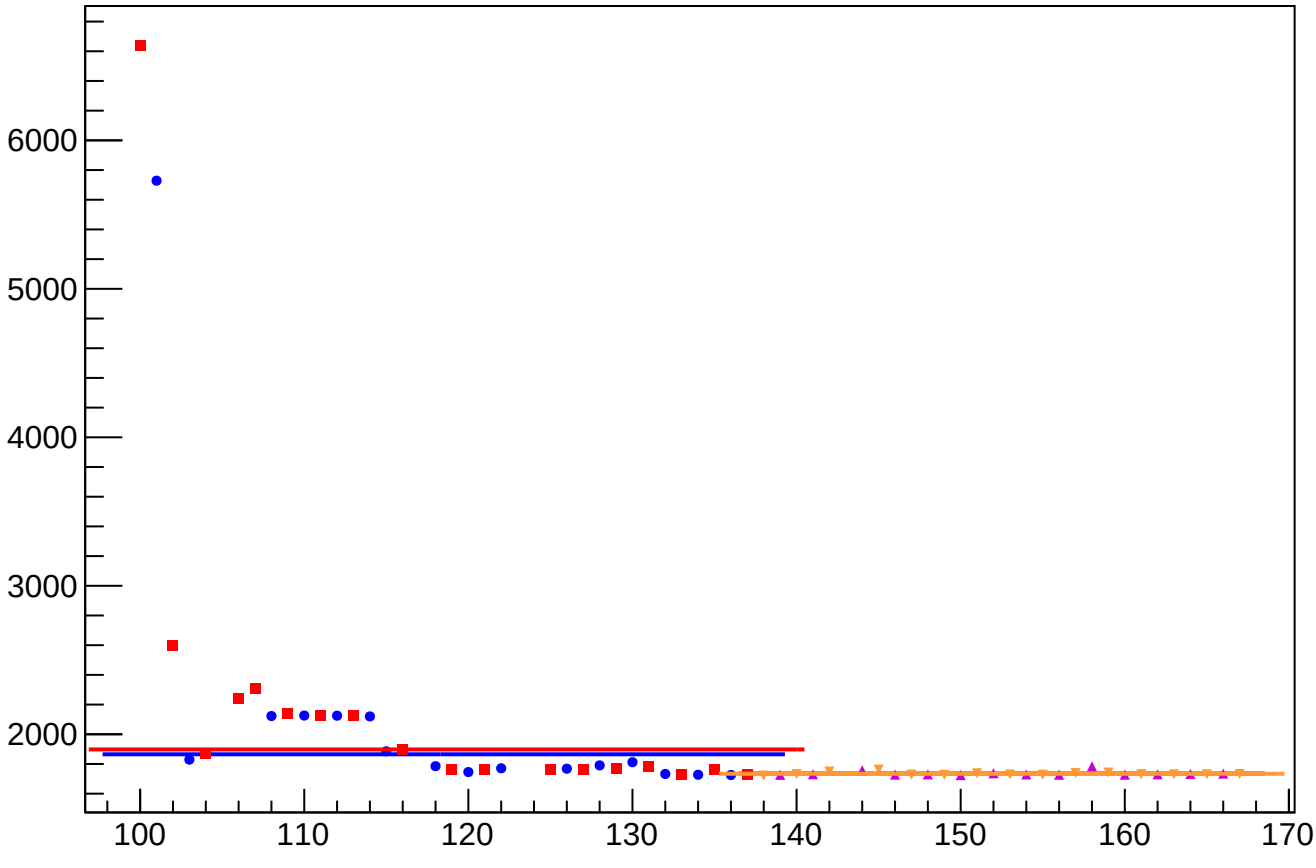
Left: -363.850+/-358.890 χ^2/NDF: 33.4/28

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -60.111+/-414.611 χ^2/NDF:35.3/29

Out: -289.106+/-411.864 χ^2/NDF:36.2/32

All: -175.370+/-292.199 χ^2/NDF: 71.7/62


eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
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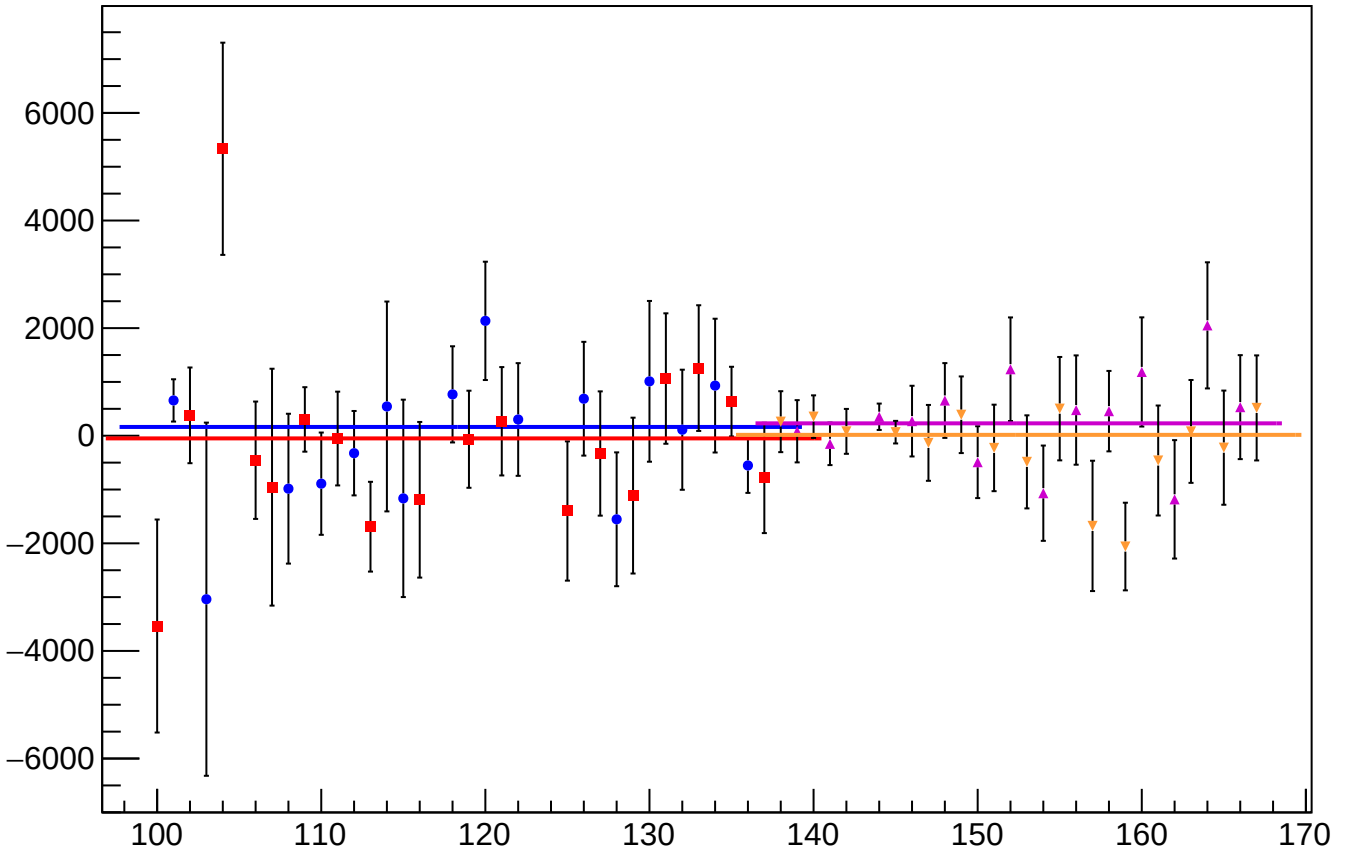
130
140
150
160
170
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.053+/-0.357 χ²/NDF:697.4/14
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1735.942+/-0.361 χ²/NDF:1885.9/13
Left: 1734.986+/-0.254 χ²/NDF: 2597.2/28
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1780.048+/-0.293 χ²/NDF:718290.5/29
Out: 1788.548+/-0.291 χ²/NDF:328563.4/32
All: 1784.326+/-0.207 χ²/NDF: 1047277.0/62



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 16.154+/-138.585 χ^2/NDF:11.0/14

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 230.299+/-155.459 χ^2/NDF:11.2/13

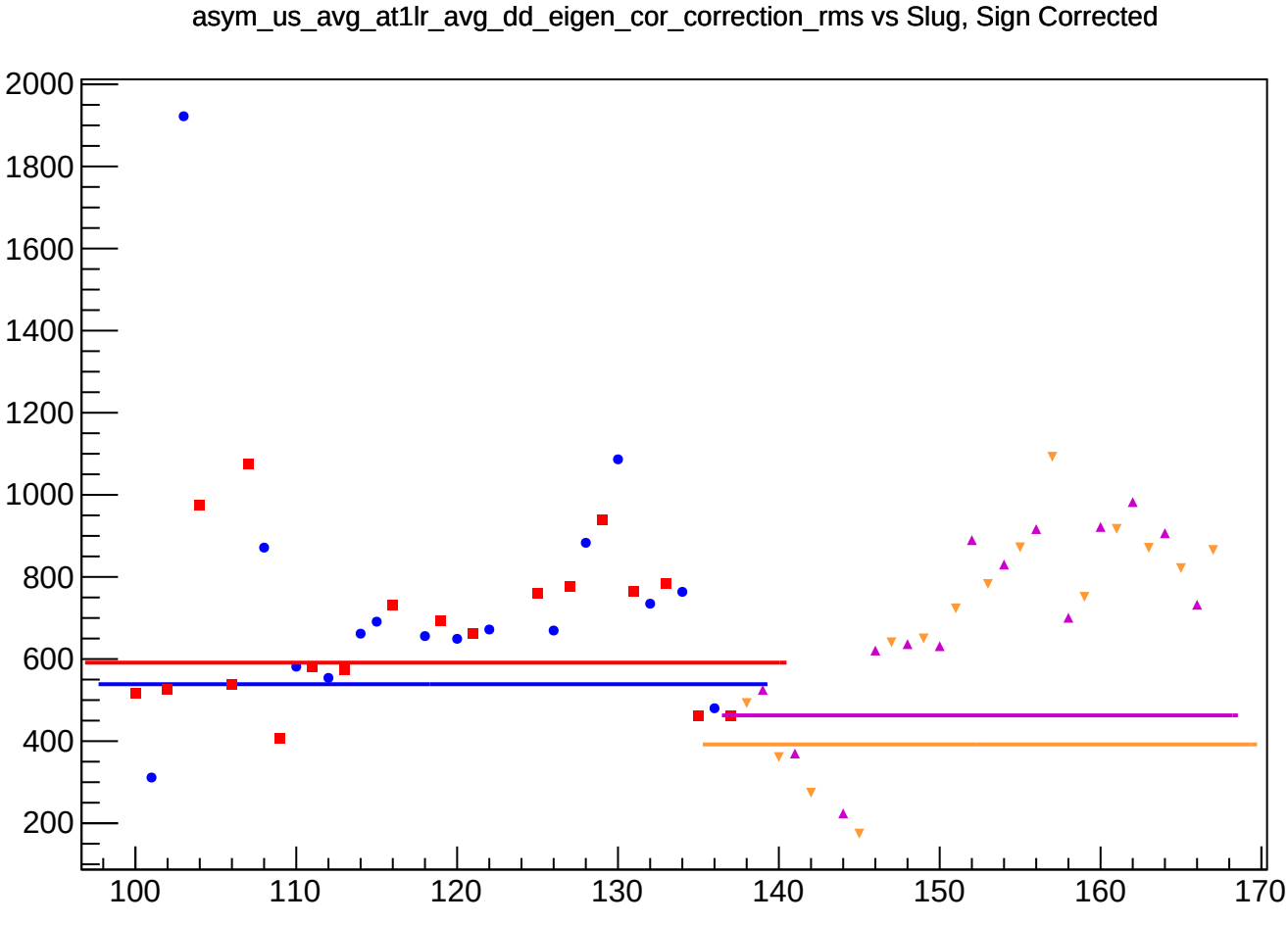
Left: 110.978+/-103.448 χ^2/NDF: 23.3/28

Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 207.939+/-126.965 χ^2/NDF:25.2/29

Out: -0.479+/-119.786 χ^2/NDF:32.5/32

All: 97.671+/-87.129 χ^2/NDF: 59.1/62



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 391.964+/-0.098 χ^2/NDF:7020821.2/14

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 462.741+/-0.110 χ^2/NDF:5038338.1/13

Left: 423.304+/-0.073 χ^2/NDF: 12290151.1/28

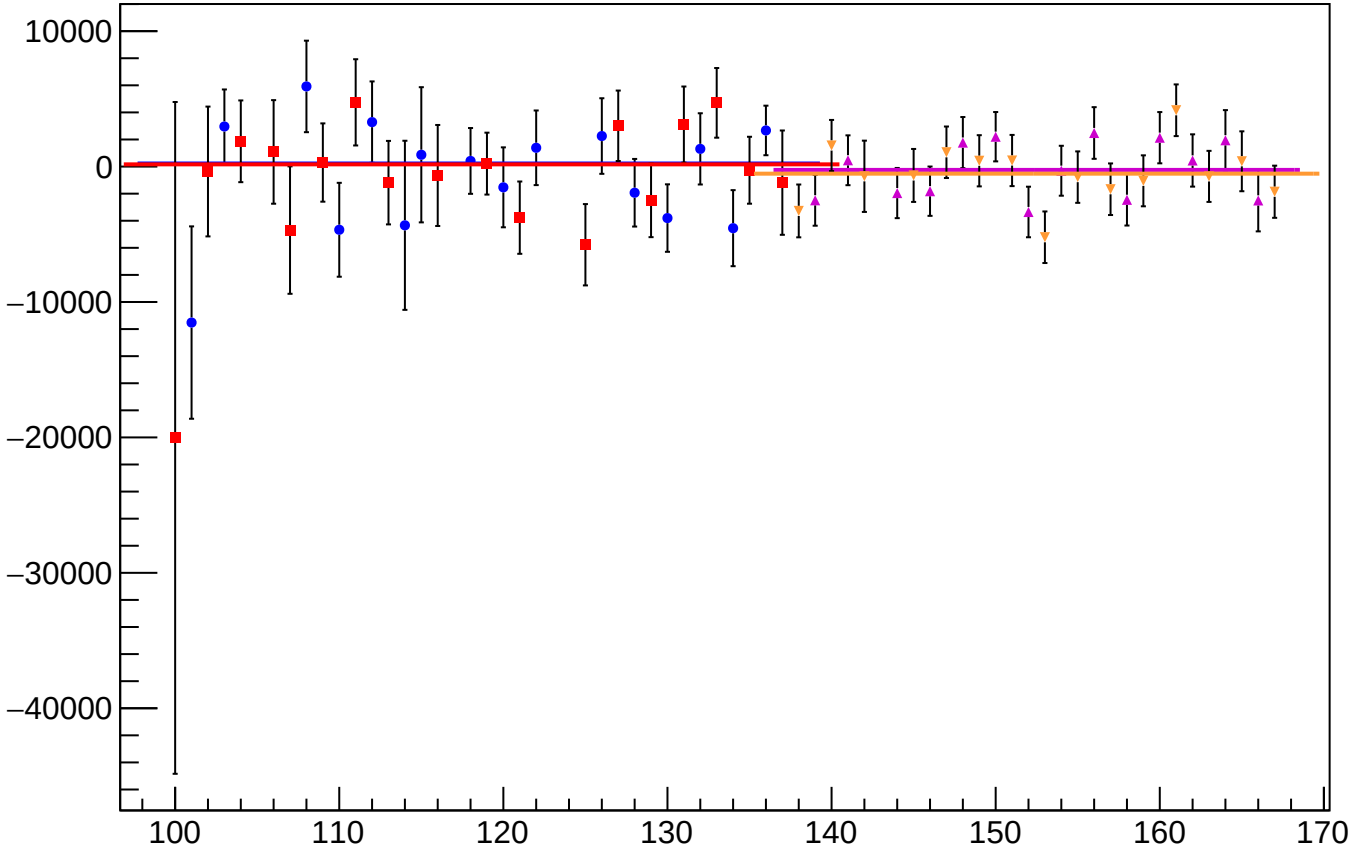
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 488.036+/-0.090 χ^2/NDF:7056237.8/29

Out: 442.360+/-0.085 χ^2/NDF:8911170.1/32

All: 463.870+/-0.062 χ^2/NDF: 16104352.1/62

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -524.129+/-504.652 χ^2/NDF:17.6/14

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -246.030+/-511.184 χ^2/NDF:15.9/13

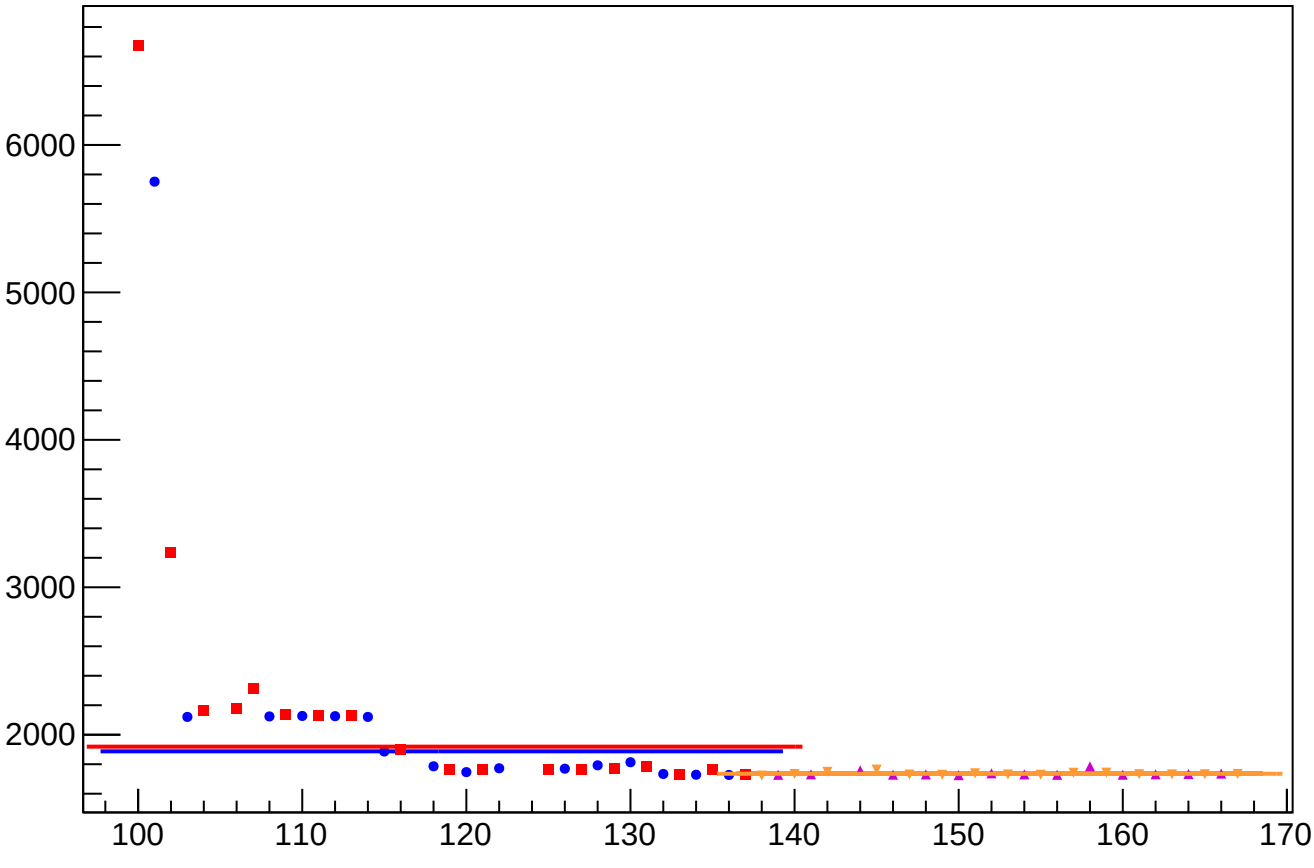
Left: -386.868+/-359.130 χ^2/NDF: 33.7/28

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -87.337+/-416.534 χ^2/NDF:35.6/29

Out: -299.965+/-414.339 χ^2/NDF:35.3/32

All: -194.213+/-293.755 χ^2/NDF: 71.0/62



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.248+/-0.357 χ^2/NDF:701.8/14

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.061+/-0.361 χ^2/NDF:1884.5/13

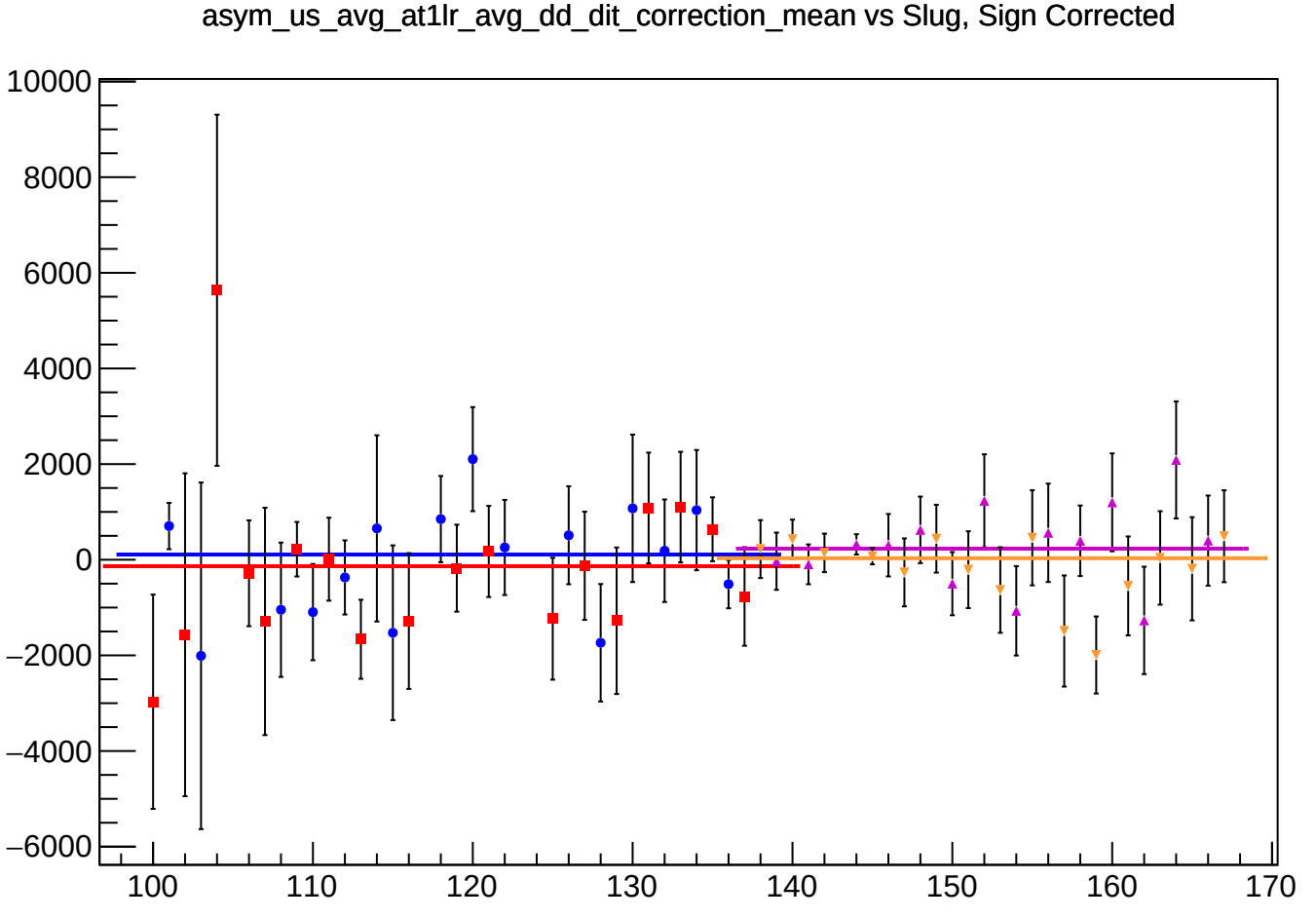
Left: 1736.143+/-0.254 χ^2/NDF: 2599.1/28

Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1787.549+/-0.295 χ^2/NDF:749387.5/29

Out: 1795.186+/-0.293 χ^2/NDF:439838.8/32

All: 1791.388+/-0.208 χ^2/NDF: 1189564.1/62


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
10000
8000
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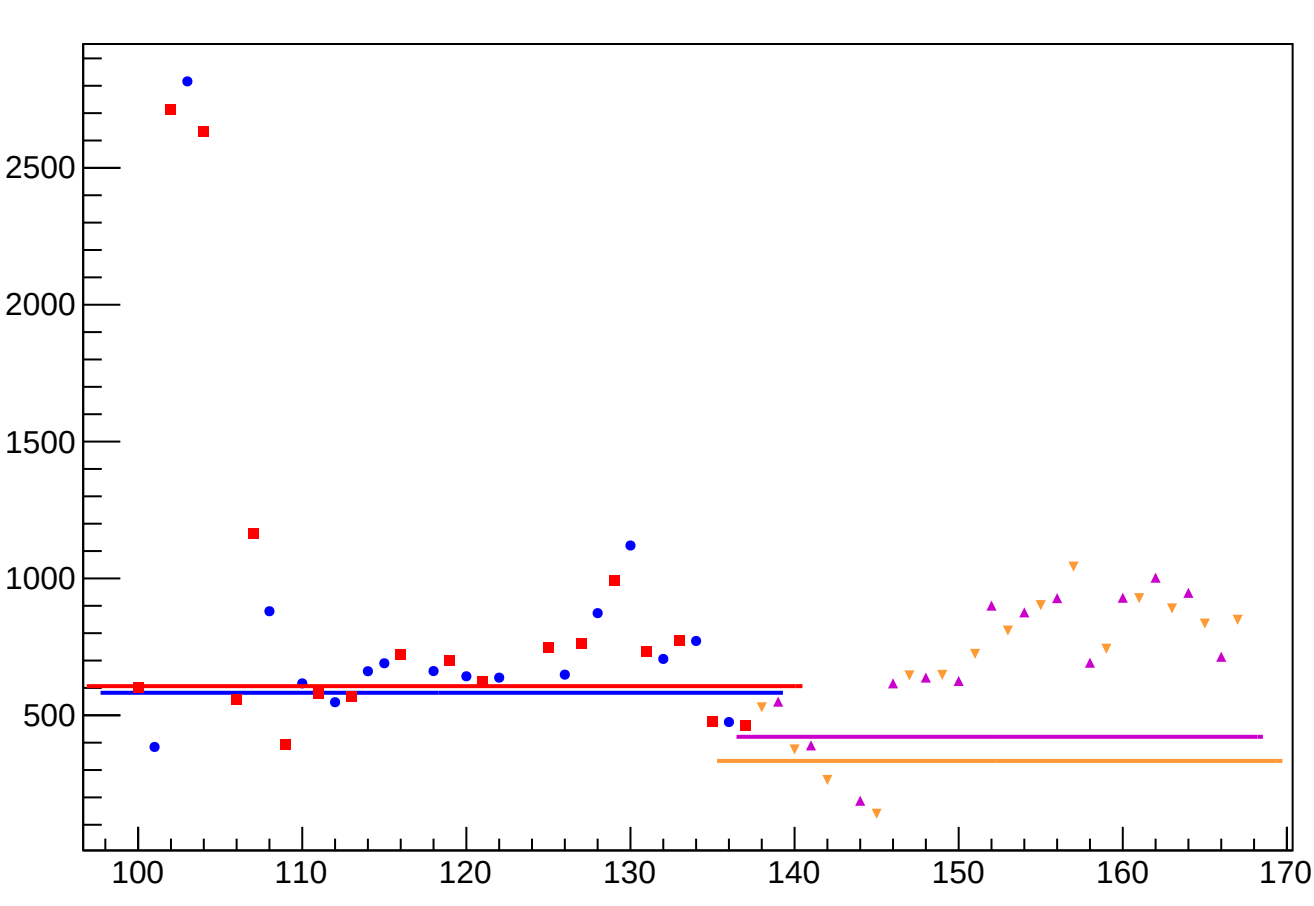
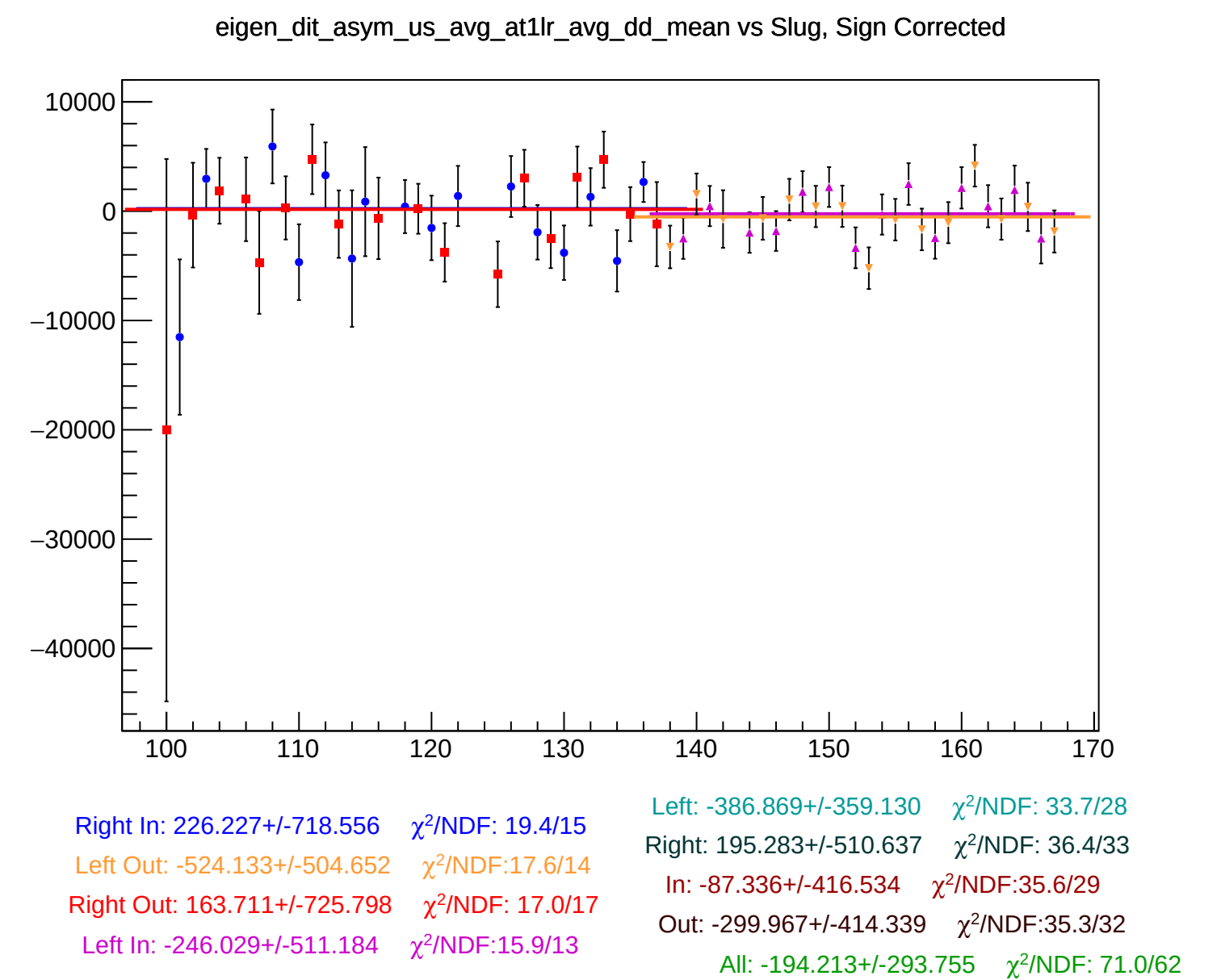
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 108.131+/-231.711 χ²/NDF: 14.2/15
Left Out: 31.317+/-125.691 χ²/NDF:11.1/14
Right Out: -135.358+/-245.933 χ²/NDF: 14.4/17
Left In: 231.830+/-147.480 χ²/NDF:10.7/13
Left: 115.681+/-95.662 χ²/NDF: 22.9/28
Right: -6.369+/-168.648 χ²/NDF: 29.0/33
In: 196.166+/-124.416 χ²/NDF:25.1/29
Out: -3.202+/-111.921 χ²/NDF:25.8/32
All: 85.971+/-83.208 χ²/NDF: 52.3/62


asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 582.270+/-0.164 χ²/NDF: 1754301.3/15
Left Out: 333.344+/-0.089 χ²/NDF:8918901.1/14
Right Out: 606.451+/-0.174 χ²/NDF: 2198399.5/17
Left In: 421.347+/-0.104 χ²/NDF:6393319.2/13
Left: 370.371+/-0.068 χ²/NDF: 15724724.5/28
Right: 593.641+/-0.119 χ²/NDF: 3962943.2/33
In: 467.743+/-0.088 χ²/NDF:8834158.9/29
Out: 389.906+/-0.079 χ²/NDF:13072878.3/32
All: 424.721+/-0.059 χ²/NDF: 22339705.9/62


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
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−10000
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−30000
−40000
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120
130
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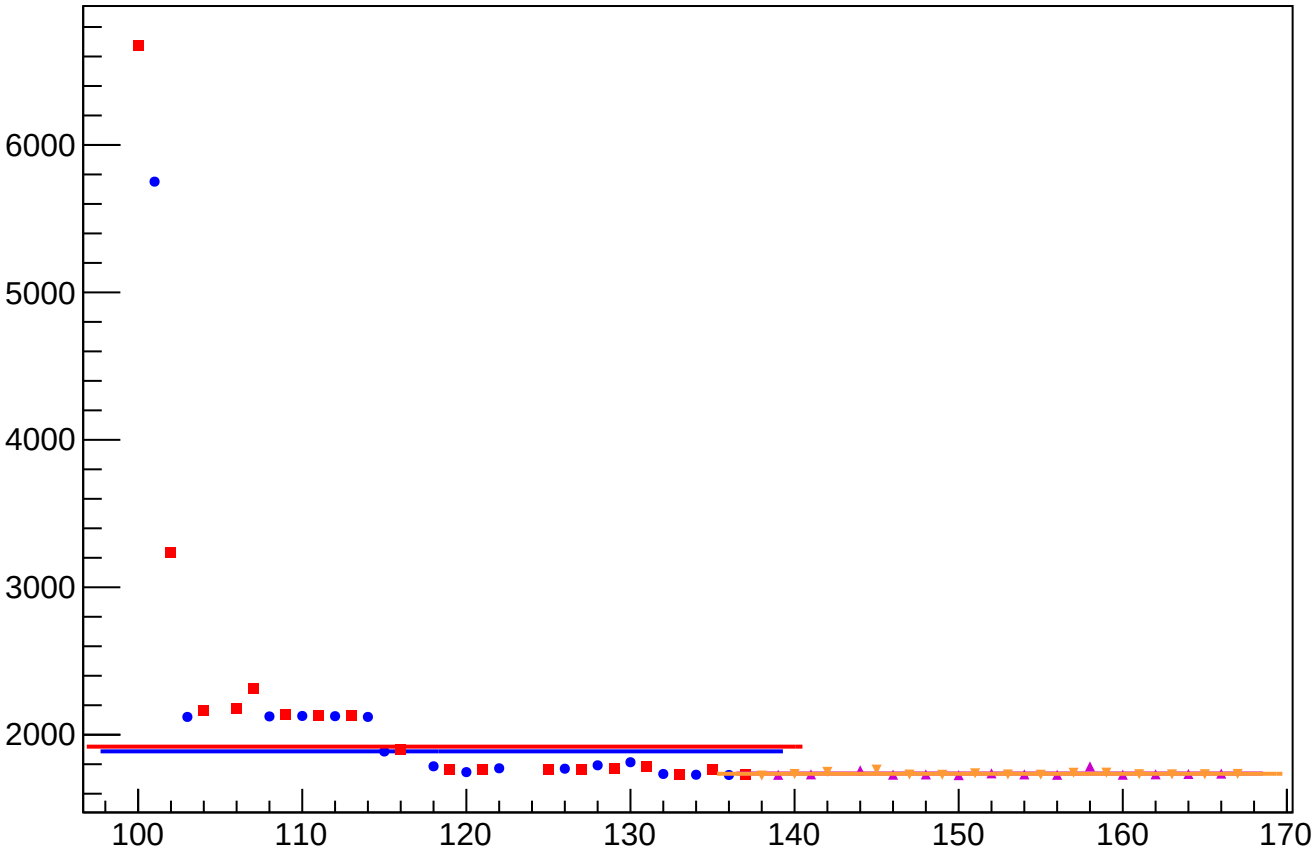
150
160
170
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -524.133+/-504.652 χ²/NDF:17.6/14
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -246.029+/-511.184 χ²/NDF:15.9/13
Left: -386.869+/-359.130 χ²/NDF: 33.7/28
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -87.336+/-416.534 χ²/NDF:35.6/29
Out: -299.967+/-414.339 χ²/NDF:35.3/32
All: -194.213+/-293.755 χ²/NDF: 71.0/62


eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
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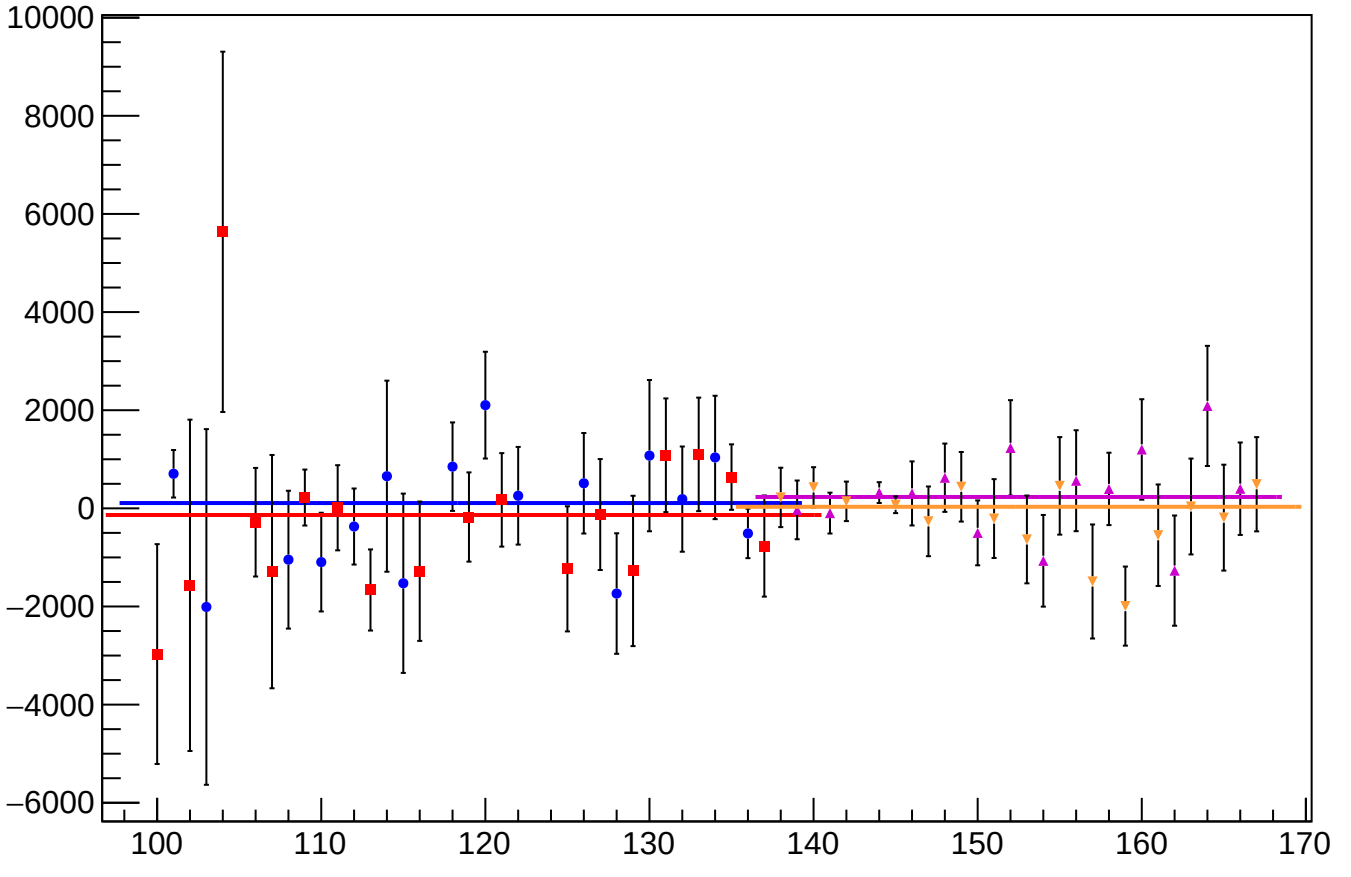
130
140
150
160
170
Right In: 1887.310+/-0.508 χ²/NDF: 689442.4/15
Left Out: 1735.248+/-0.357 χ²/NDF:701.8/14
Right Out: 1919.164+/-0.513 χ²/NDF: 352566.4/17
Left In: 1737.061+/-0.361 χ²/NDF:1884.5/13
Left: 1736.143+/-0.254 χ²/NDF: 2599.1/28
Right: 1903.077+/-0.361 χ²/NDF: 1043954.3/33
In: 1787.549+/-0.295 χ²/NDF:749387.1/29
Out: 1795.186+/-0.293 χ²/NDF:439837.9/32
All: 1791.388+/-0.208 χ²/NDF: 1189562.9/62

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 31.315+/-125.691 χ^2/NDF:11.1/14

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 231.830+/-147.480 χ^2/NDF:10.7/13

Left: 115.680+/-95.662 χ^2/NDF: 22.9/28

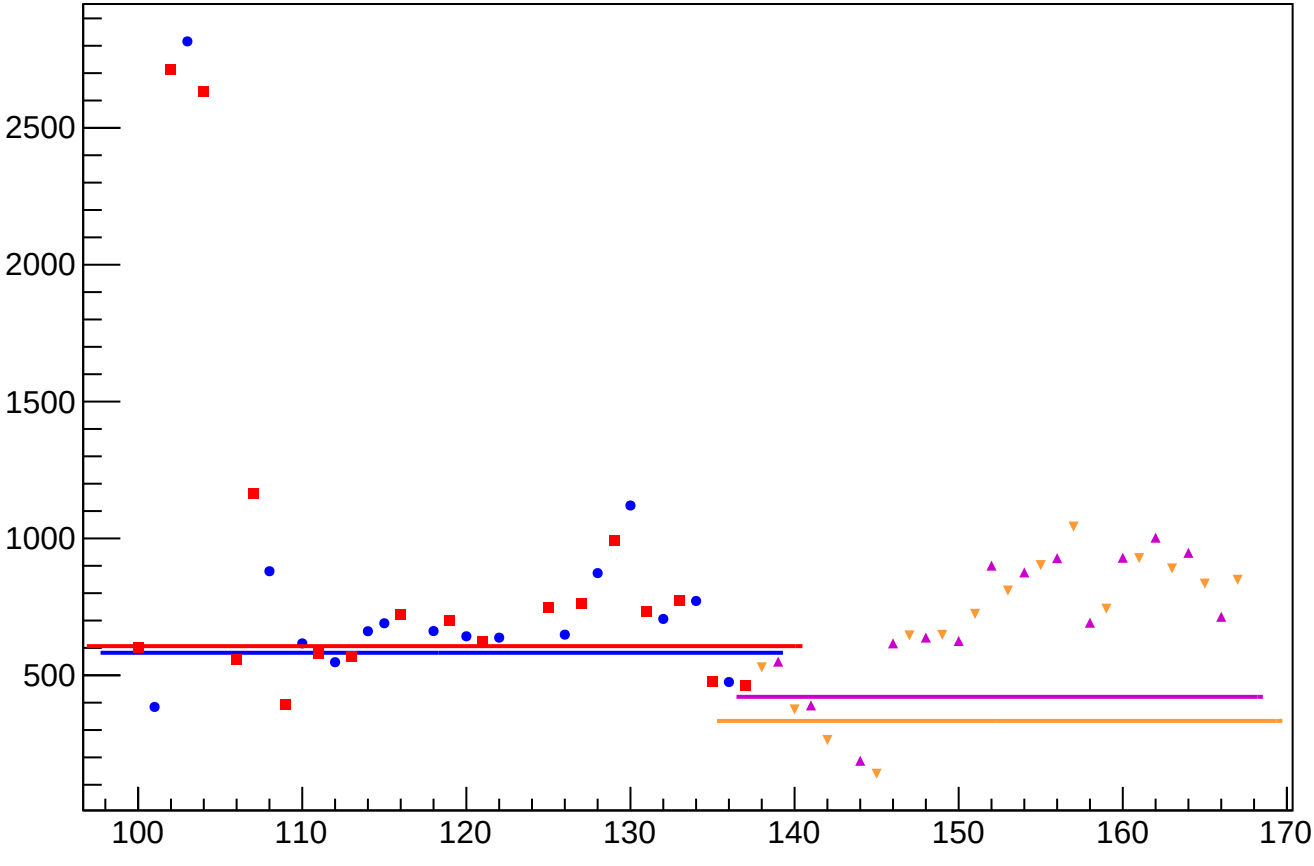
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 196.165+/-124.416 χ^2/NDF:25.1/29

Out: -3.203+/-111.921 χ^2/NDF:25.8/32

All: 85.970+/-83.208 χ^2/NDF: 52.3/62

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 333.344+/-0.089 χ^2/NDF:8918933.1/14

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 421.347+/-0.104 χ^2/NDF:6393338.3/13

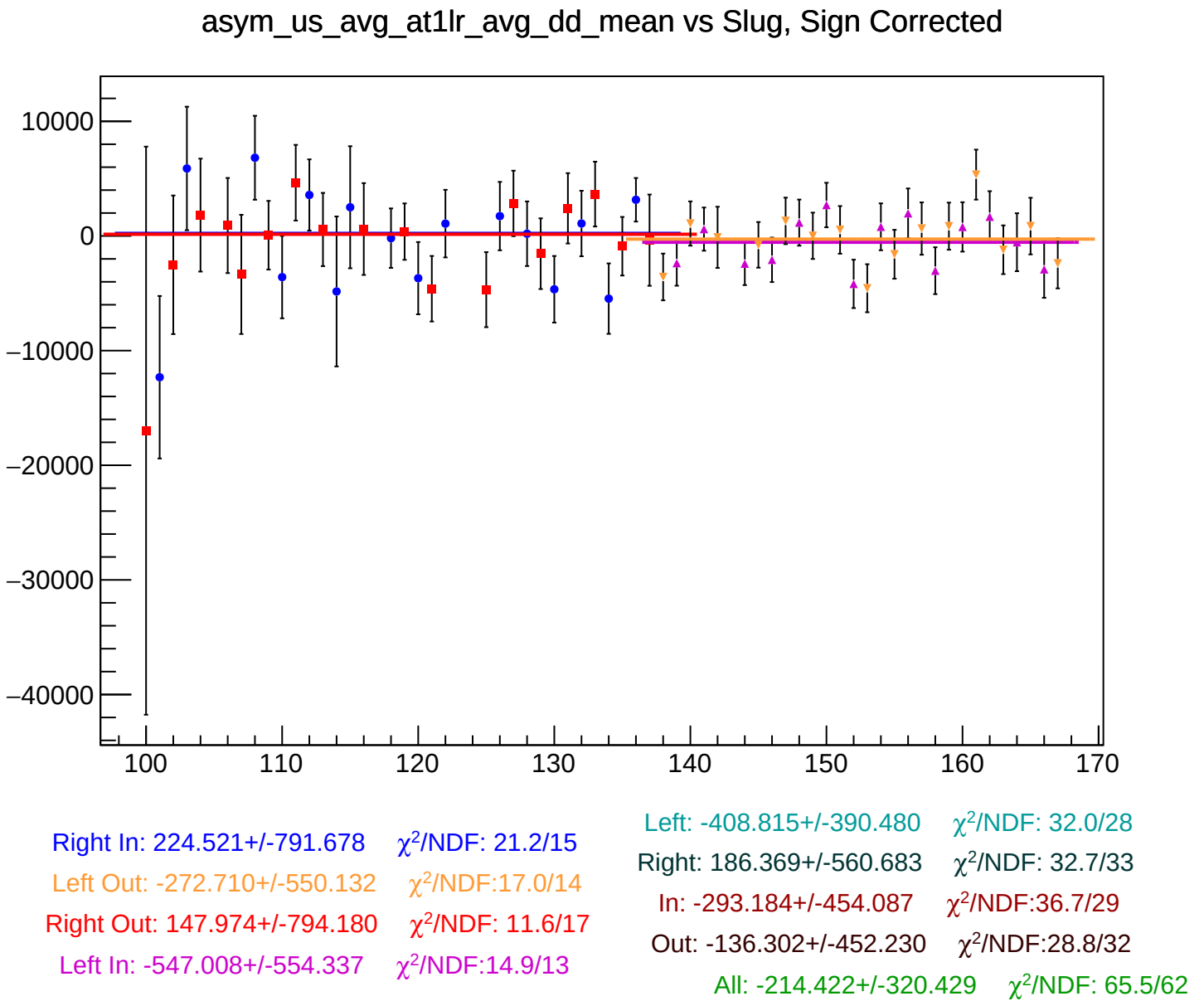
Left: 370.371+/-0.068 χ^2/NDF: 15724779.8/28

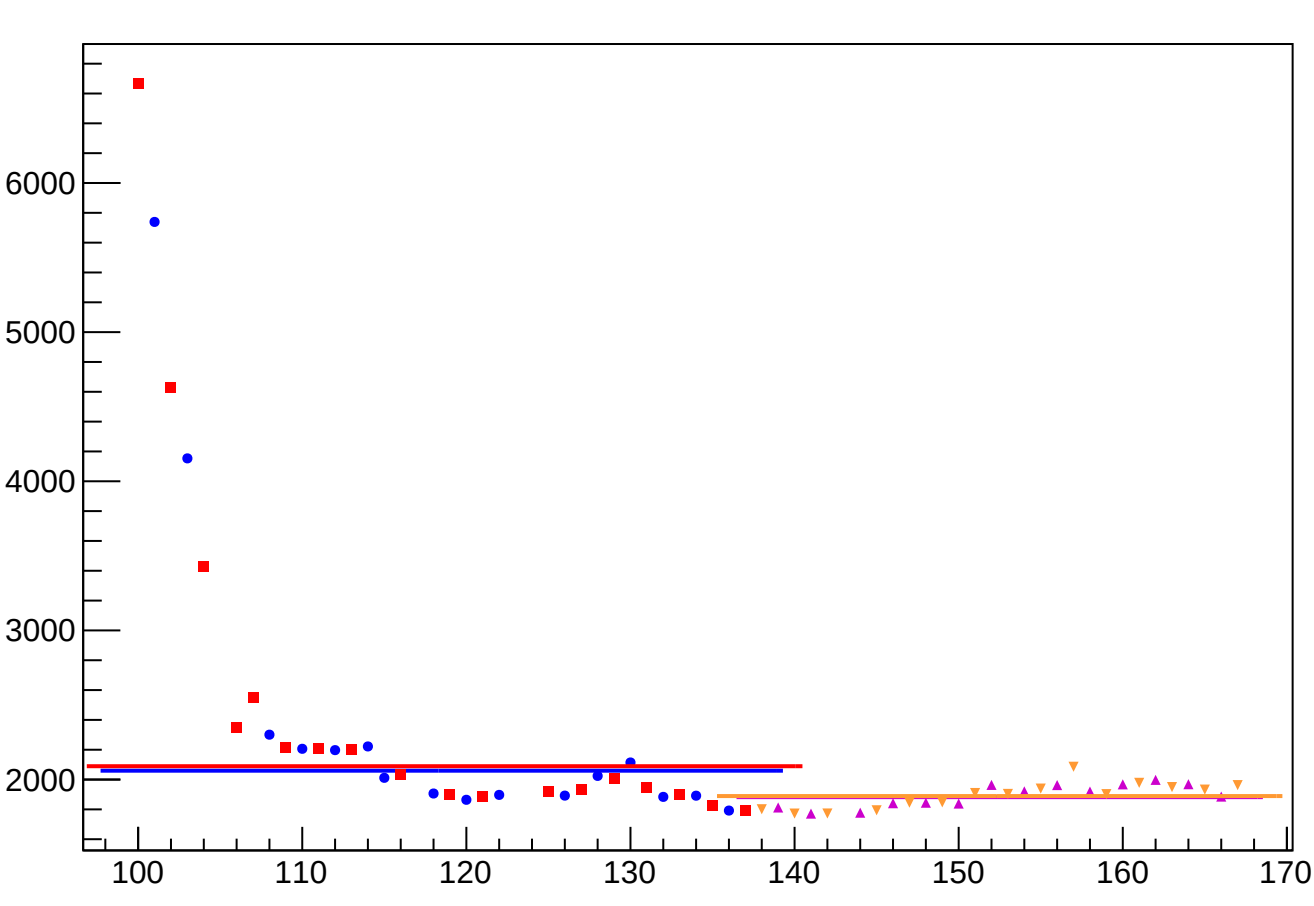
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 467.743+/-0.088 χ^2/NDF:8834149.2/29

Out: 389.906+/-0.079 χ^2/NDF:13072888.8/32

All: 424.721+/-0.059 χ^2/NDF: 22339711.8/62


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 224.521+/-791.678 χ²/NDF: 21.2/15
Left Out: -272.710+/-550.132 χ²/NDF:17.0/14
Right Out: 147.974+/-794.180 χ²/NDF: 11.6/17
Left In: -547.008+/-554.337 χ²/NDF:14.9/13
Left: -408.815+/-390.480 χ²/NDF: 32.0/28
Right: 186.369+/-560.683 χ²/NDF: 32.7/33
In: -293.184+/-454.087 χ²/NDF:36.7/29
Out: -136.302+/-452.230 χ²/NDF:28.8/32
All: -214.422+/-320.429 χ²/NDF: 65.5/62



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1889.269+/-0.389 χ^2/NDF:45512.4/14

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1882.082+/-0.392 χ^2/NDF:36252.4/13

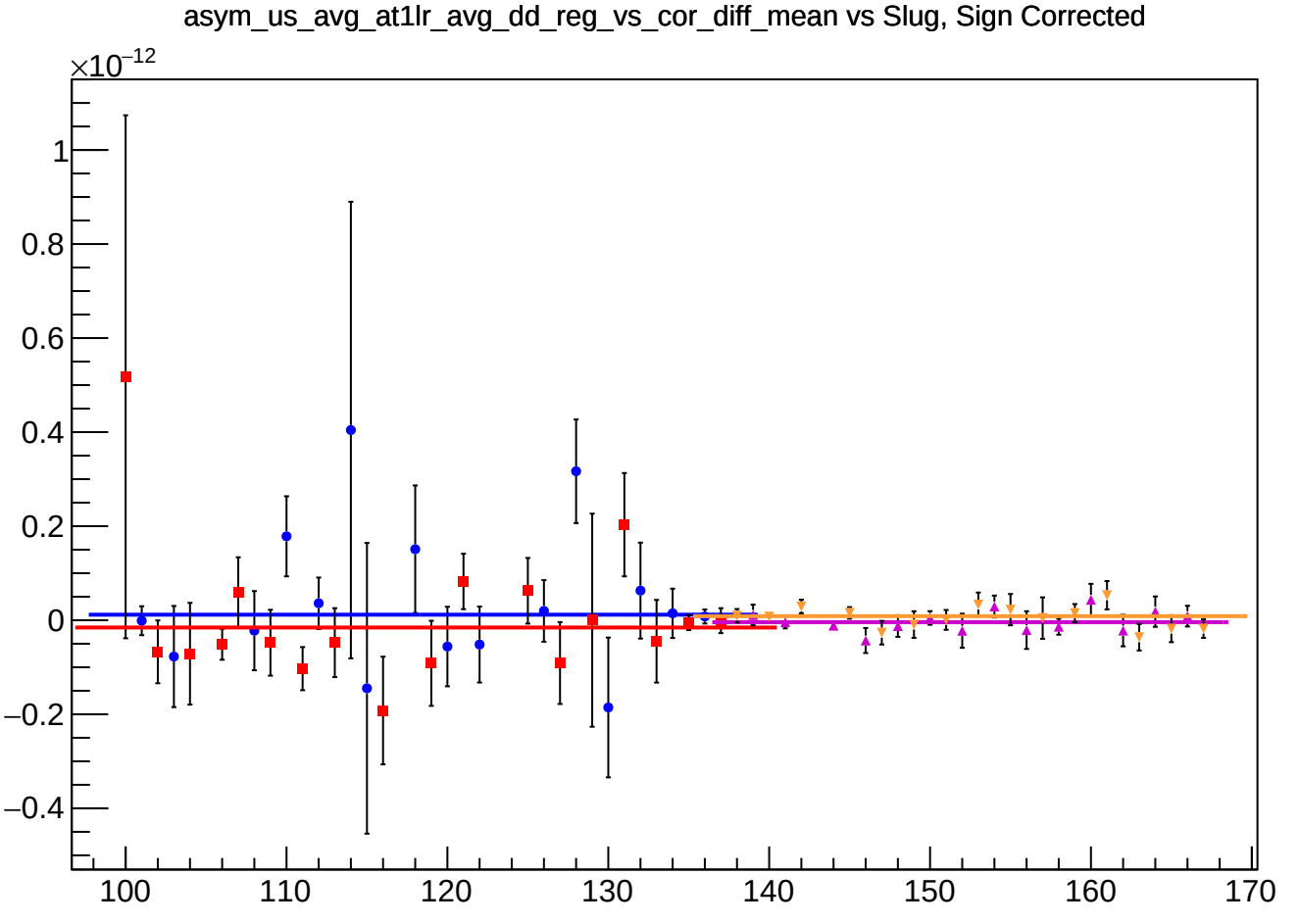
Left: 1885.703+/-0.276 χ^2/NDF: 81934.2/28

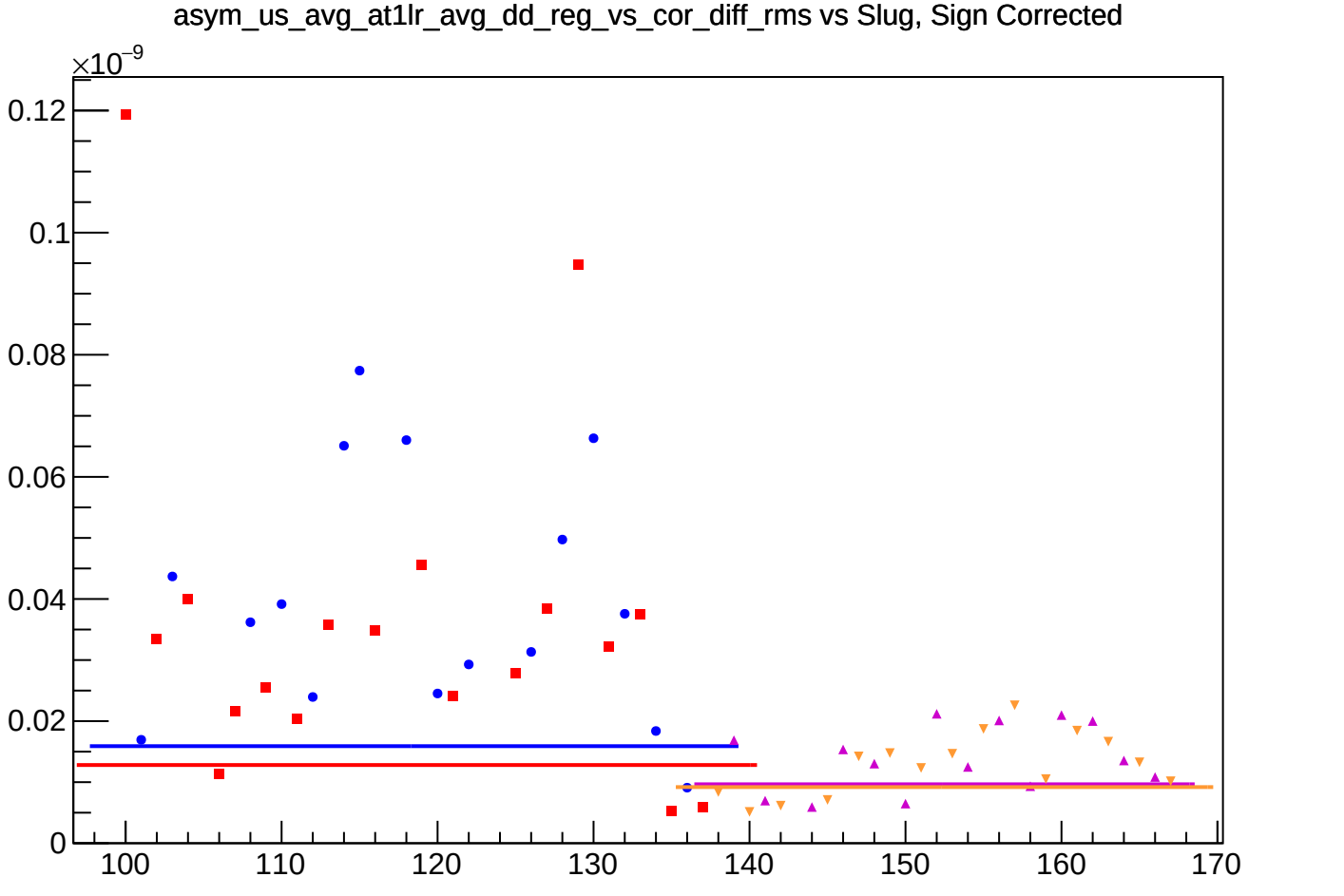
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1940.449+/-0.321 χ^2/NDF:1043522.9/29

Out: 1954.187+/-0.320 χ^2/NDF:812867.7/32

All: 1947.346+/-0.227 χ^2/NDF: 1857309.6/62


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:13.4/14
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:9.7/13
Left: 0.000+/-0.000 χ²/NDF: 26.6/28
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:29.3/29
Out: 0.000+/-0.000 χ²/NDF:38.4/32
All: 0.000+/-0.000 χ²/NDF: 68.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1534068.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1676343.6/13

Left: 0.000+/-0.000 χ^2/NDF: 3219179.2/28

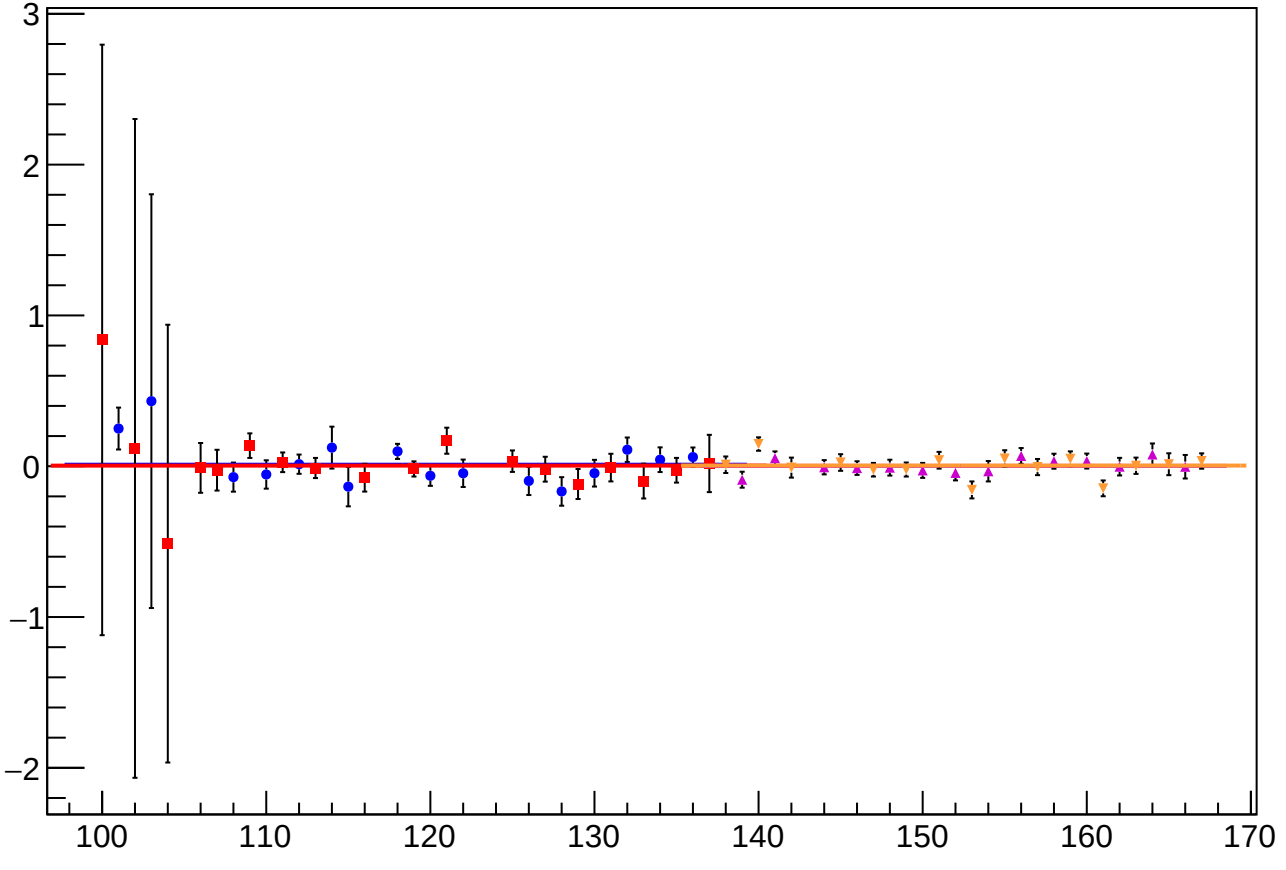
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4100947.6/29

Out: 0.000+/-0.000 χ^2/NDF:4211394.1/32

All: 0.000+/-0.000 χ^2/NDF: 8348831.3/62

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.014 χ^2/NDF:30.0/14

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/13

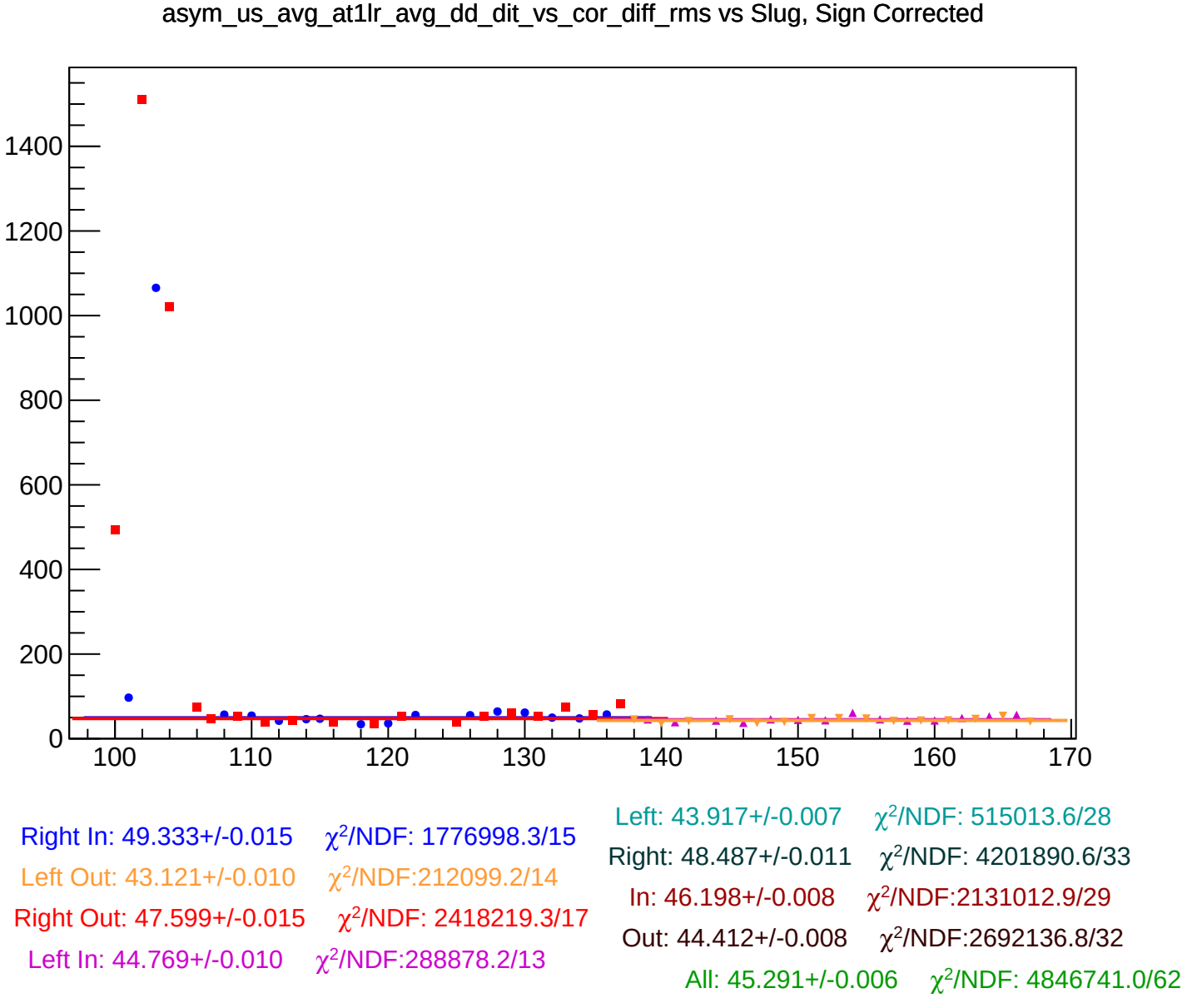
Left: 0.003+/-0.010 χ^2/NDF: 39.5/28

Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

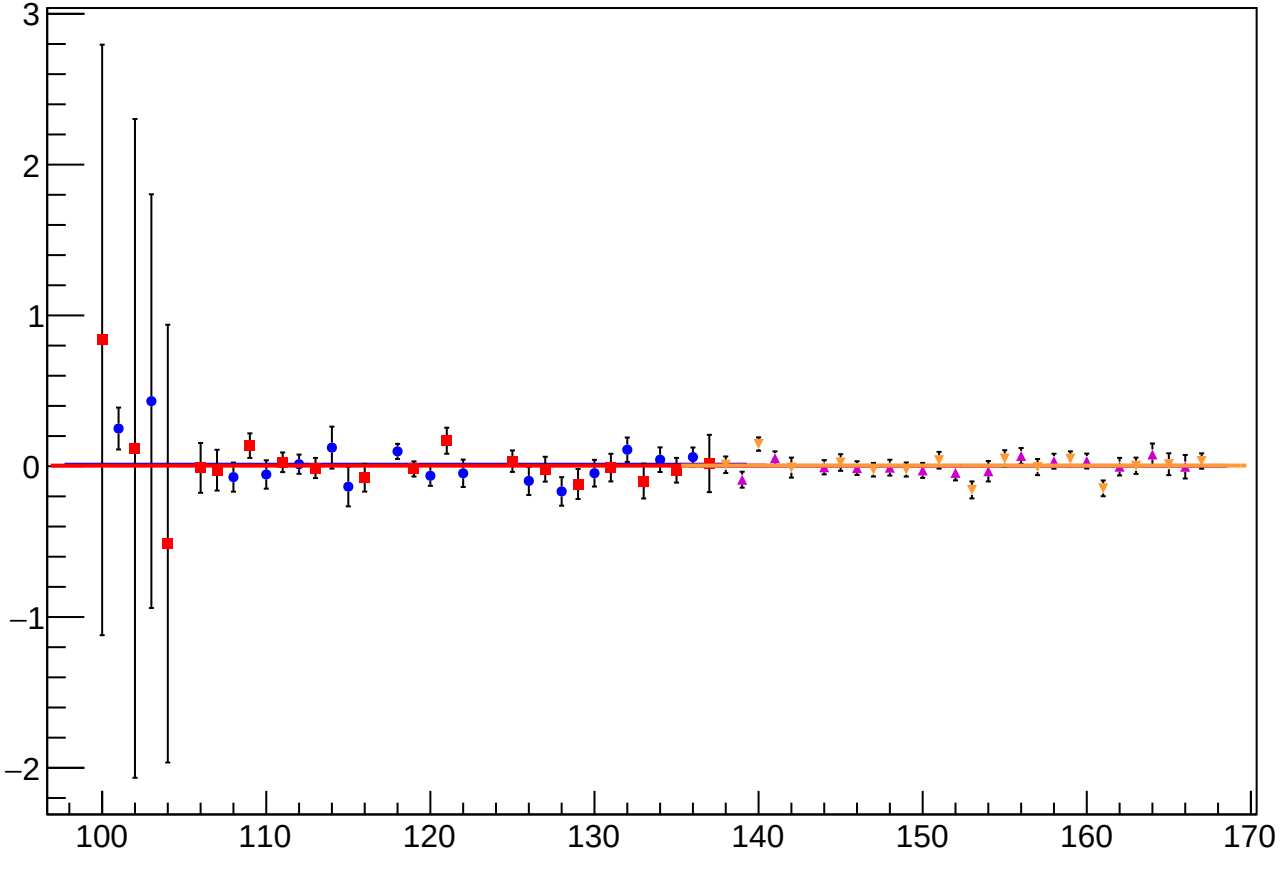
In: 0.005+/-0.012 χ^2/NDF:28.0/29

Out: 0.004+/-0.012 χ^2/NDF:40.5/32

All: 0.004+/-0.008 χ^2/NDF: 68.5/62


asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
Right In: 49.333+/-0.015 χ2/NDF: 1776998.3/15
Left Out: 43.121+/-0.010 χ2/NDF:212099.2/14
Right Out: 47.599+/-0.015 χ2/NDF: 2418219.3/17
Left In: 44.769+/-0.010 χ2/NDF:288878.2/13
Left: 43.917+/-0.007 χ2/NDF: 515013.6/28
Right: 48.487+/-0.011 χ2/NDF: 4201890.6/33
In: 46.198+/-0.008 χ2/NDF:2131012.9/29
Out: 44.412+/-0.008 χ2/NDF:2692136.8/32
All: 45.291+/-0.006 χ2/NDF: 4846741.0/62

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.014 χ^2/NDF:30.0/14

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/13

Left: 0.003+/-0.010 χ^2/NDF: 39.5/28

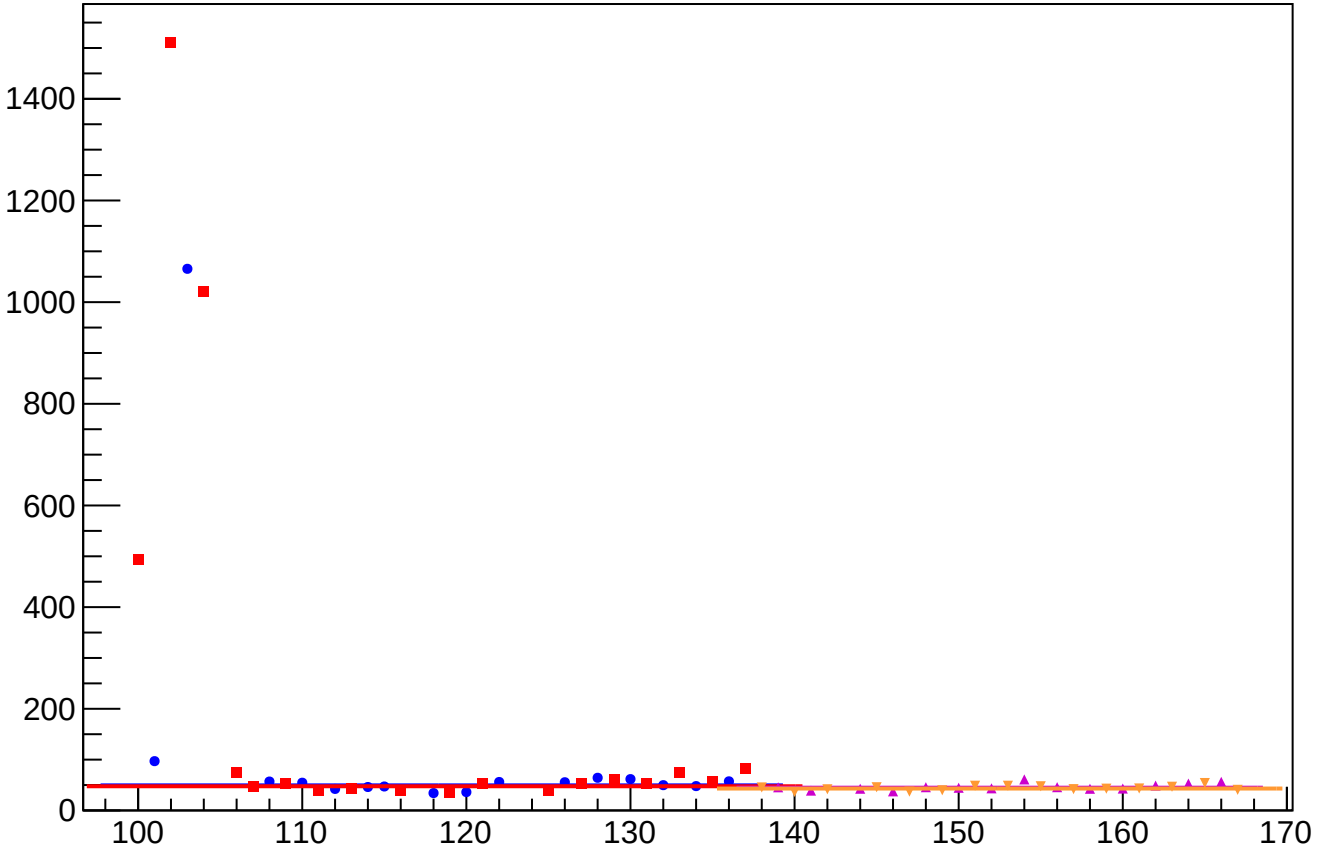
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/29

Out: 0.004+/-0.012 χ^2/NDF:40.5/32

All: 0.004+/-0.008 χ^2/NDF: 68.5/62

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.121+/-0.010 χ^2/NDF:212099.2/14

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.769+/-0.010 χ^2/NDF:288878.2/13

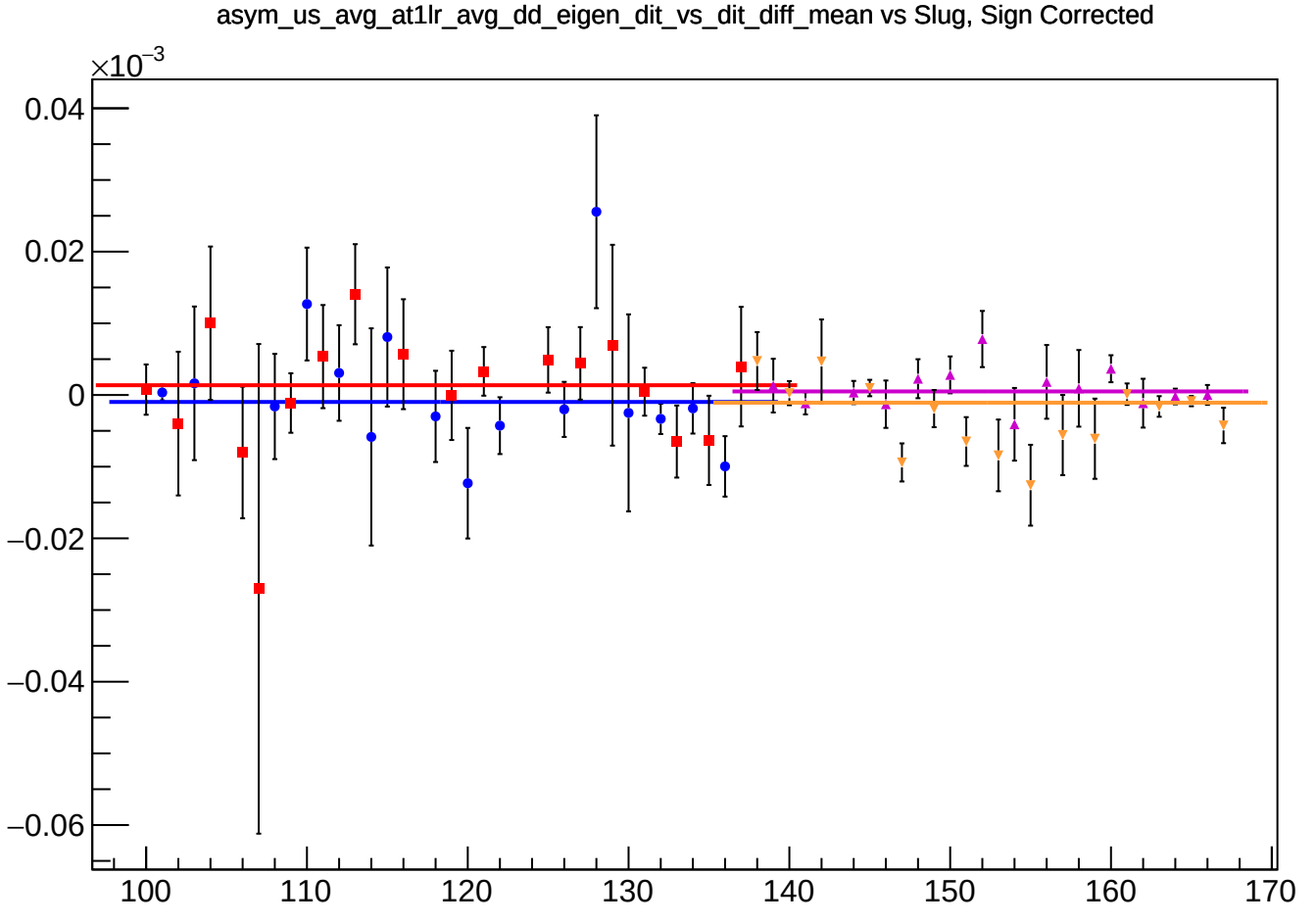
Left: 43.917+/-0.007 χ^2/NDF: 515013.6/28

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.198+/-0.008 χ^2/NDF:2131012.9/29

Out: 44.412+/-0.008 χ^2/NDF:2692136.8/32

All: 45.291+/-0.006 χ^2/NDF: 4846741.0/62



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:10.7/13

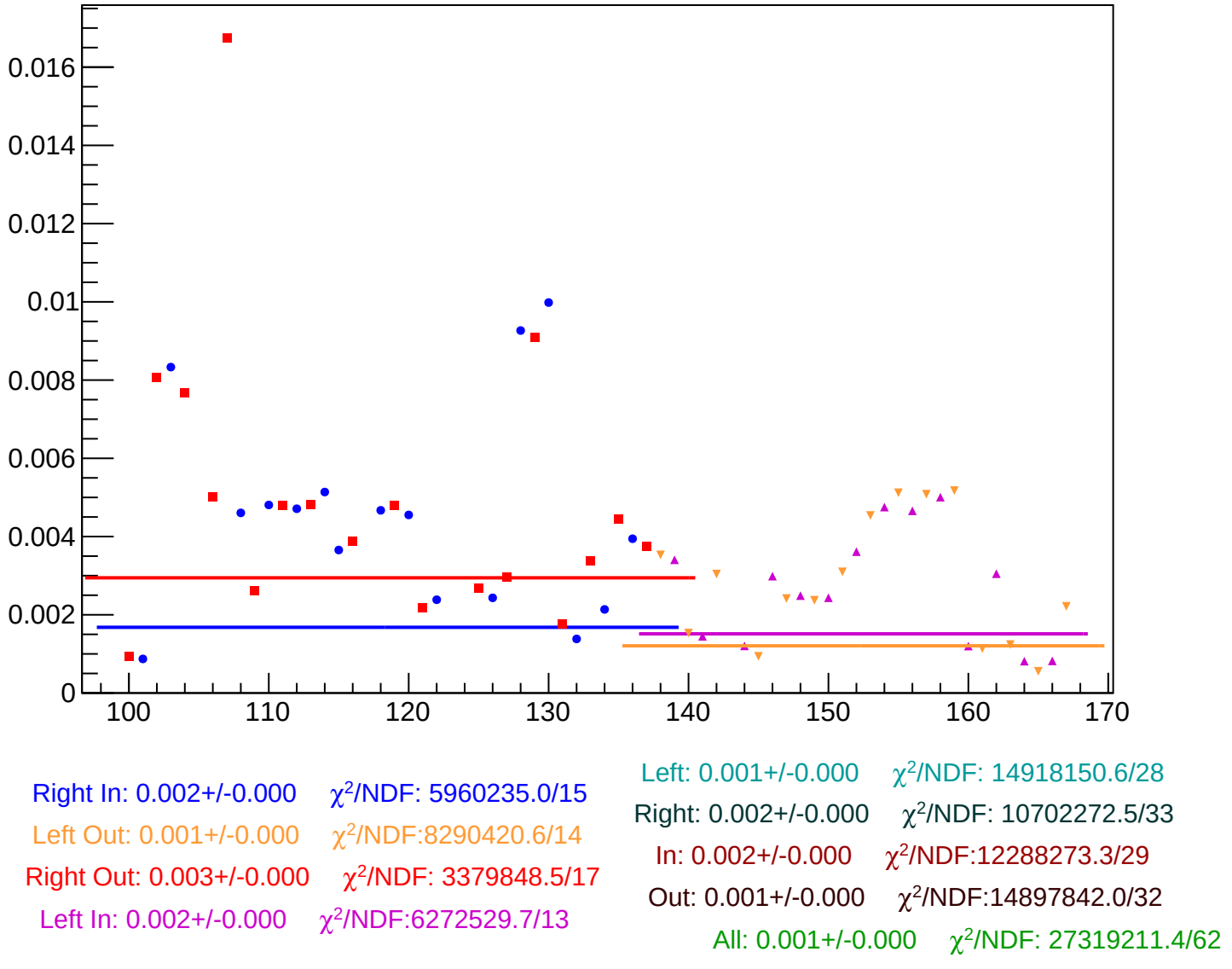
Left: -0.000+/-0.000 χ^2/NDF: 45.0/28

Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

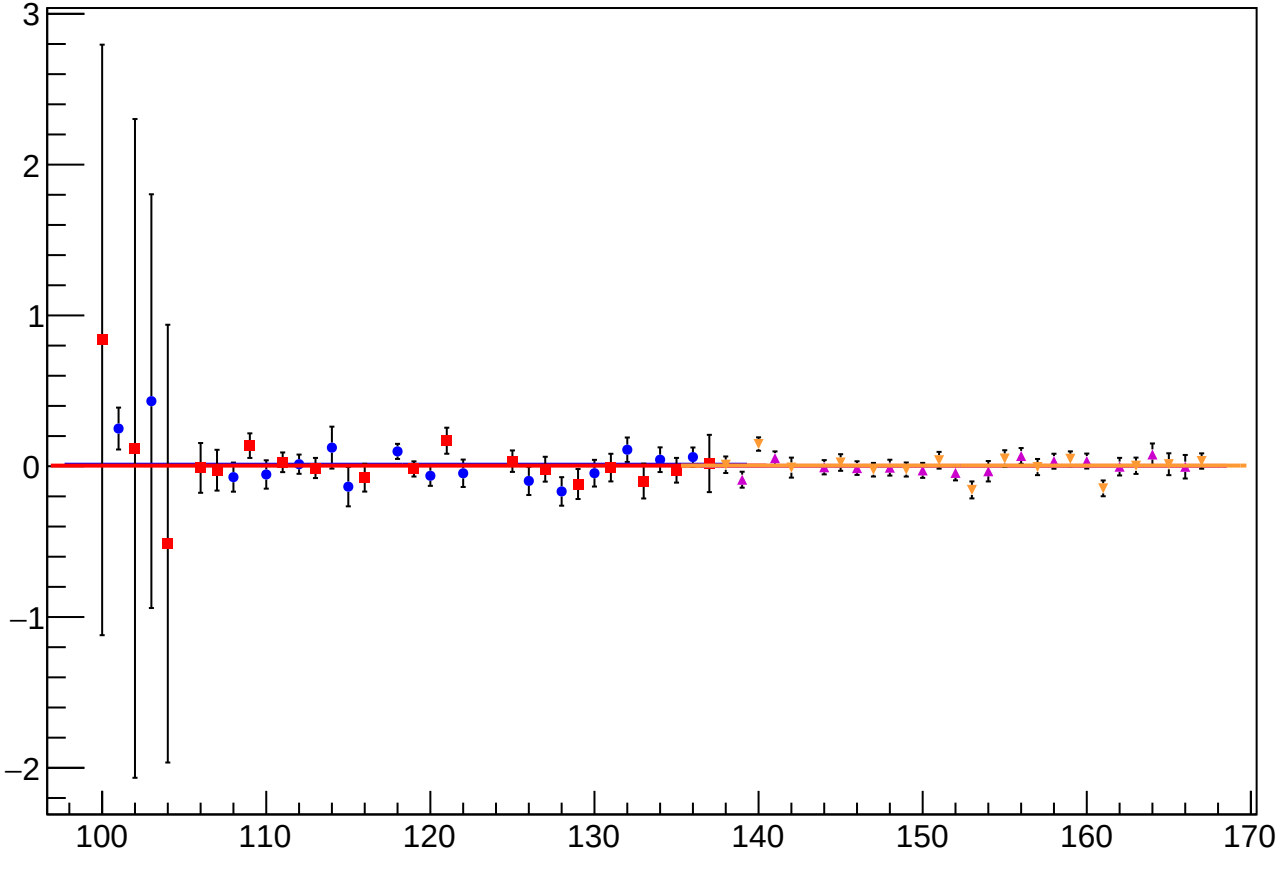
In: 0.000+/-0.000 χ^2/NDF:31.5/29

Out: -0.000+/-0.000 χ^2/NDF:45.4/32

All: -0.000+/-0.000 χ^2/NDF: 78.6/62


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.001+/-0.000 χ²/NDF:8290420.6/14
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:6272529.7/13
Left: 0.001+/-0.000 χ²/NDF: 14918150.6/28
Right: 0.002+/-0.000 χ²/NDF: 10702272.5/33
In: 0.002+/-0.000 χ²/NDF:12288273.3/29
Out: 0.001+/-0.000 χ²/NDF:14897842.0/32
All: 0.001+/-0.000 χ²/NDF: 27319211.4/62

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.014 χ^2/NDF:30.0/14

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/13

Left: 0.003+/-0.010 χ^2/NDF: 39.5/28

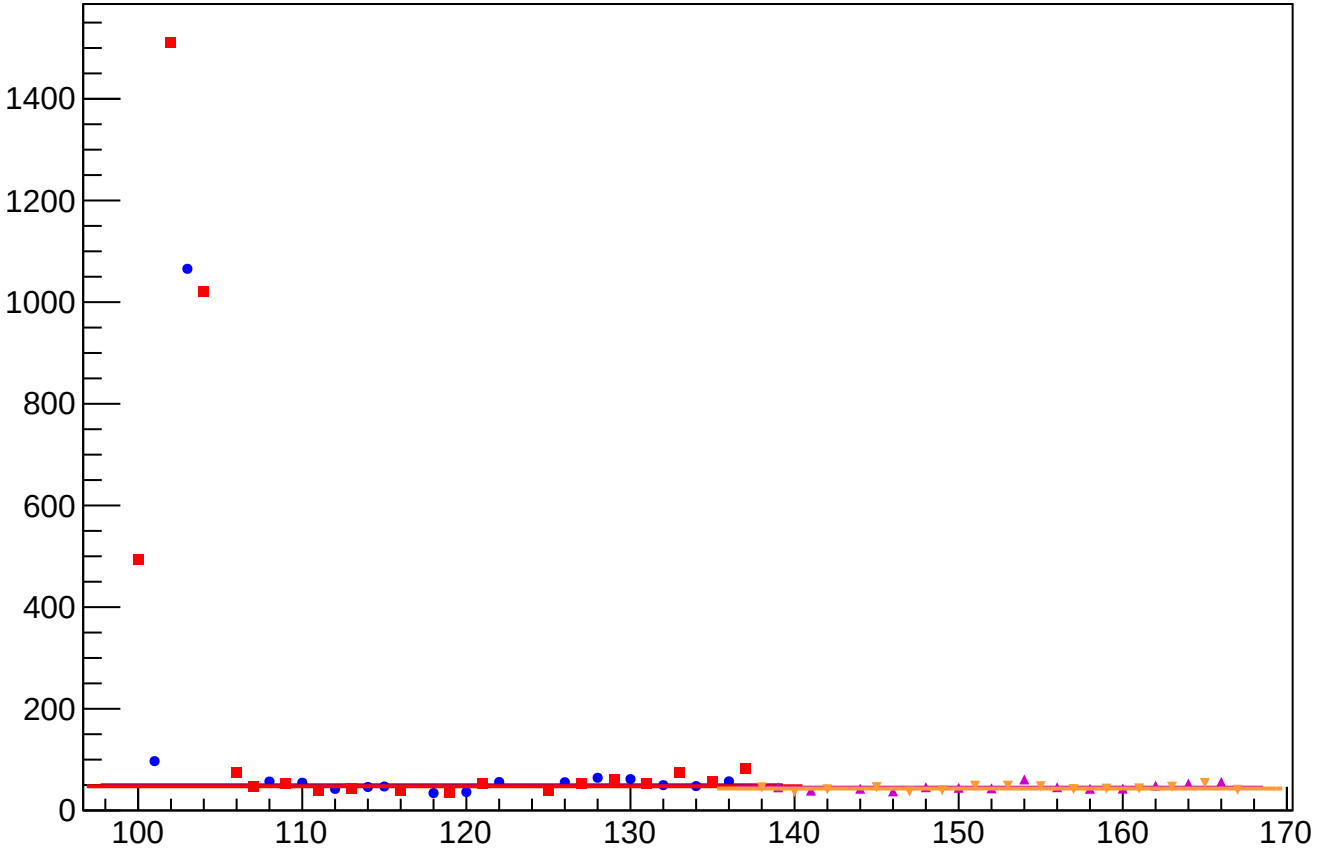
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/29

Out: 0.004+/-0.012 χ^2/NDF:40.5/32

All: 0.004+/-0.008 χ^2/NDF: 68.5/62

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.121+/-0.010 χ^2/NDF:212115.5/14

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.769+/-0.010 χ^2/NDF:288936.4/13

Left: 43.917+/-0.007 χ^2/NDF: 515077.9/28

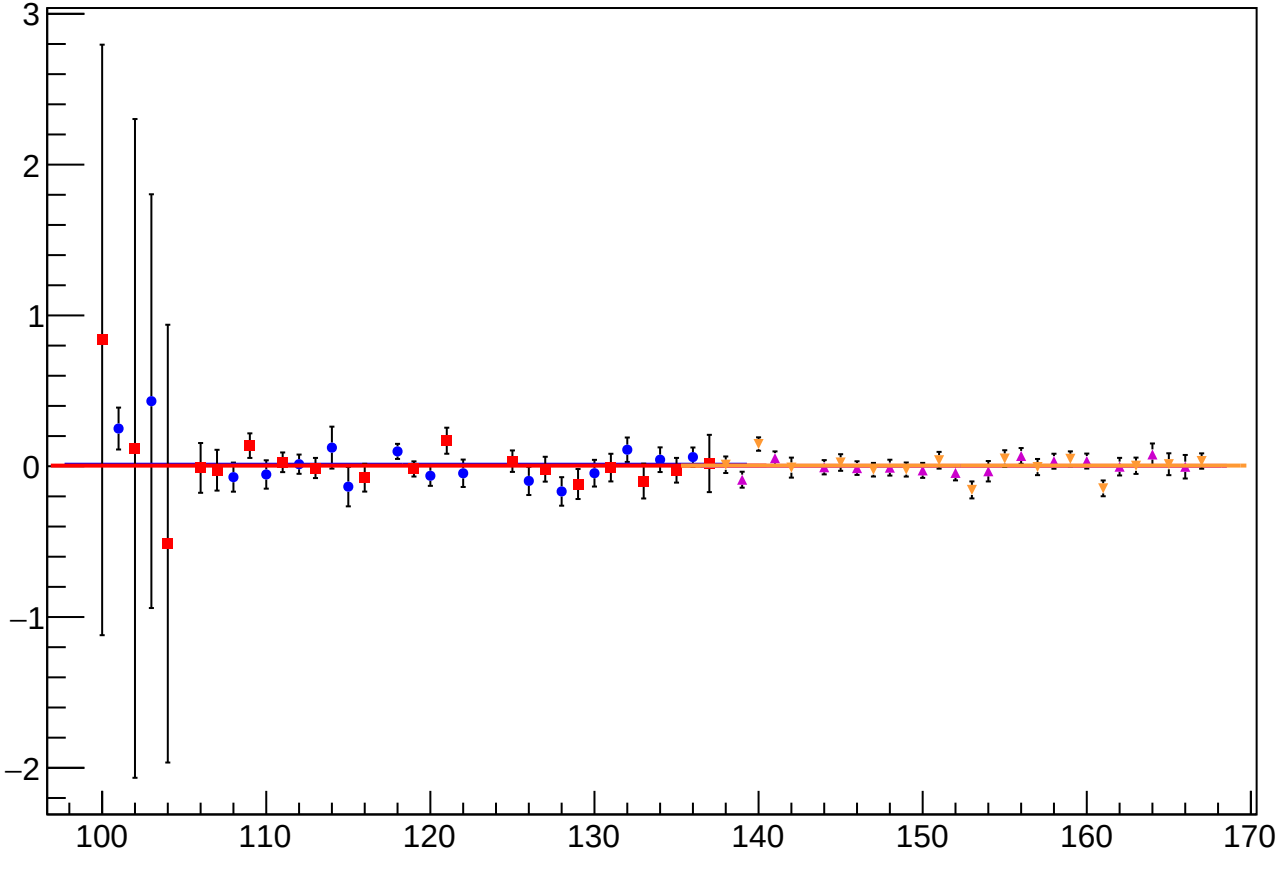
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.198+/-0.008 χ^2/NDF:2131020.2/29

Out: 44.412+/-0.008 χ^2/NDF:2692158.3/32

All: 45.290+/-0.006 χ^2/NDF: 4846767.3/62

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.014 χ^2/NDF:30.0/14

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/13

Left: 0.003+/-0.010 χ^2/NDF: 39.5/28

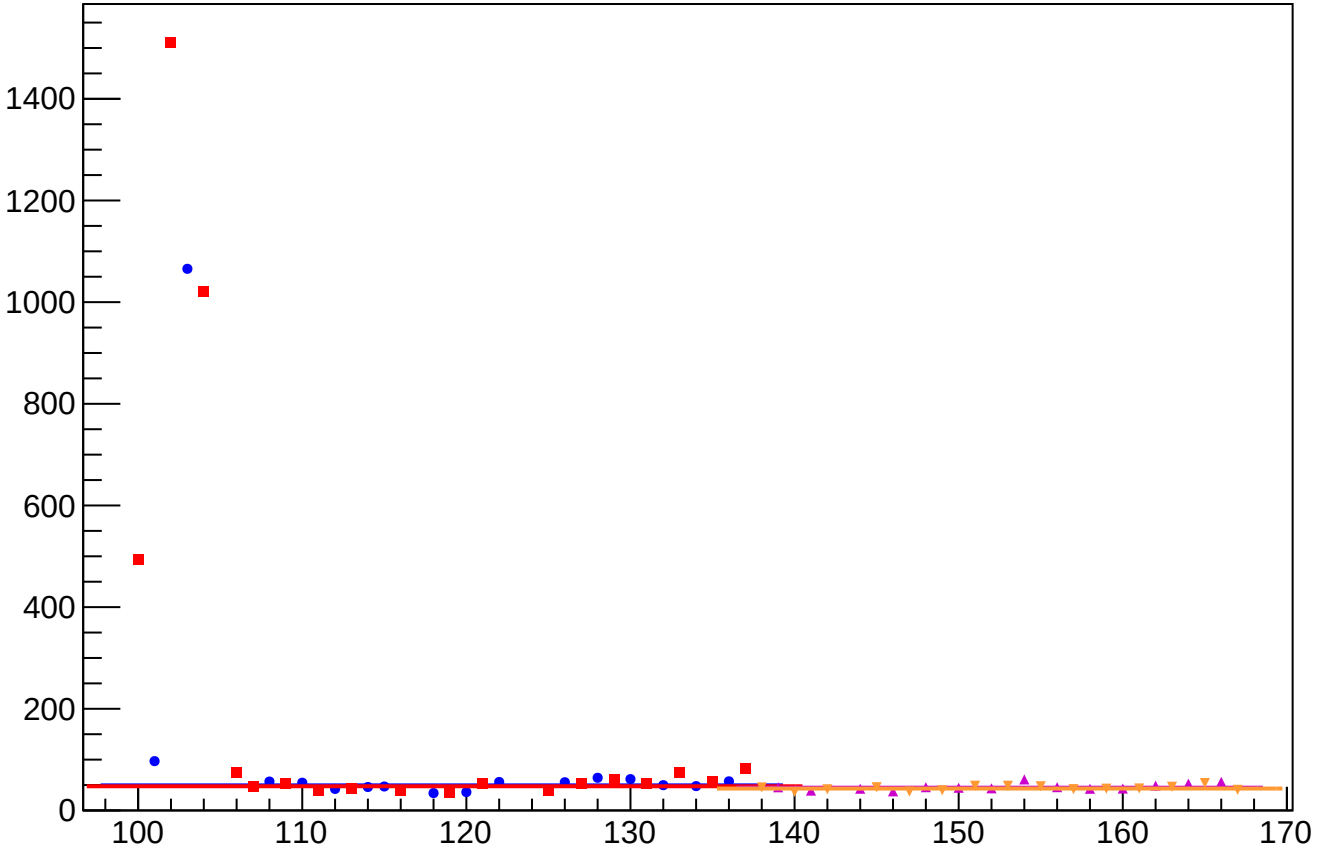
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/29

Out: 0.004+/-0.012 χ^2/NDF:40.5/32

All: 0.004+/-0.008 χ^2/NDF: 68.5/62

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.121+/-0.010 χ^2/NDF:212115.5/14

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.769+/-0.010 χ^2/NDF:288936.4/13

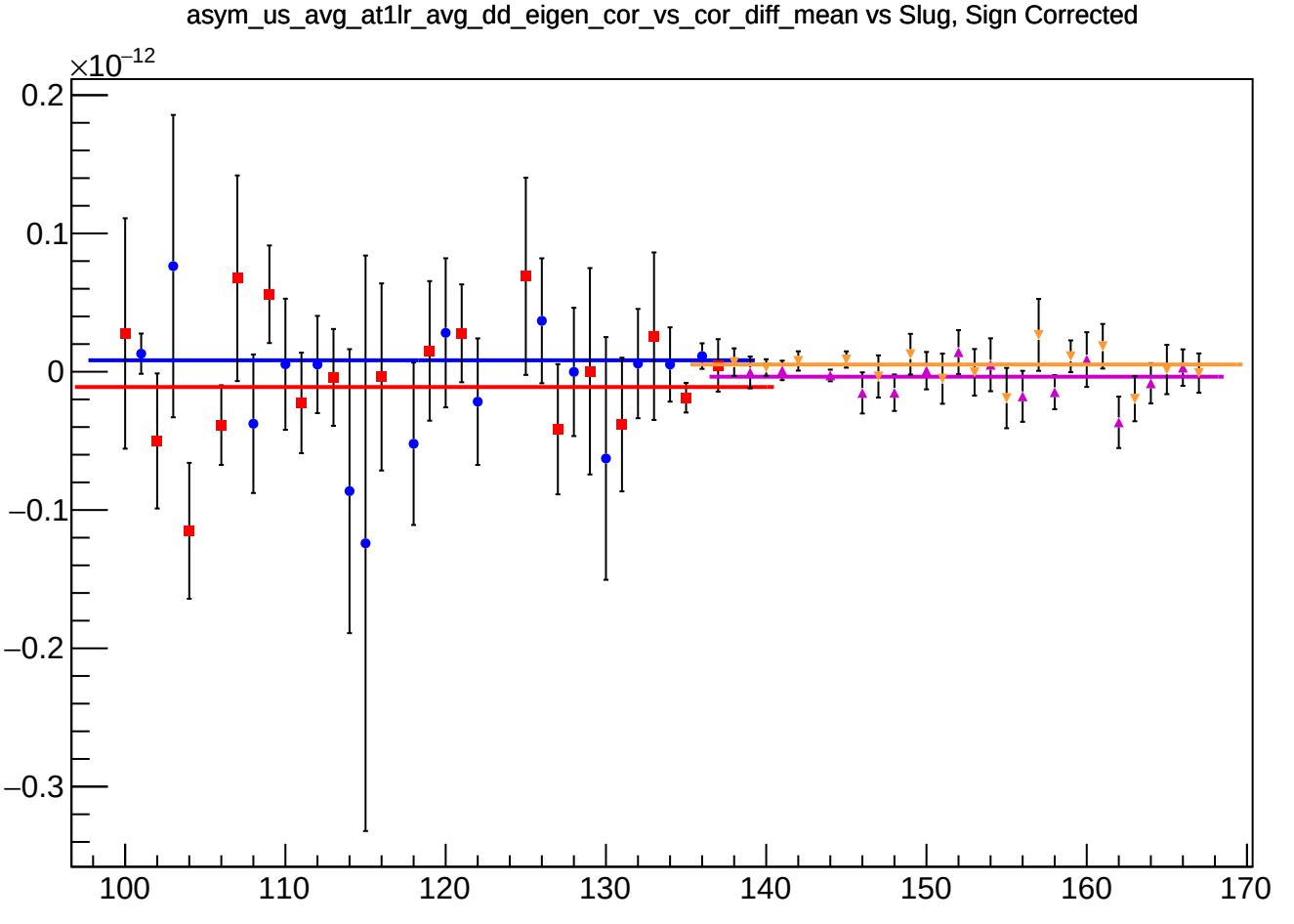
Left: 43.917+/-0.007 χ^2/NDF: 515077.9/28

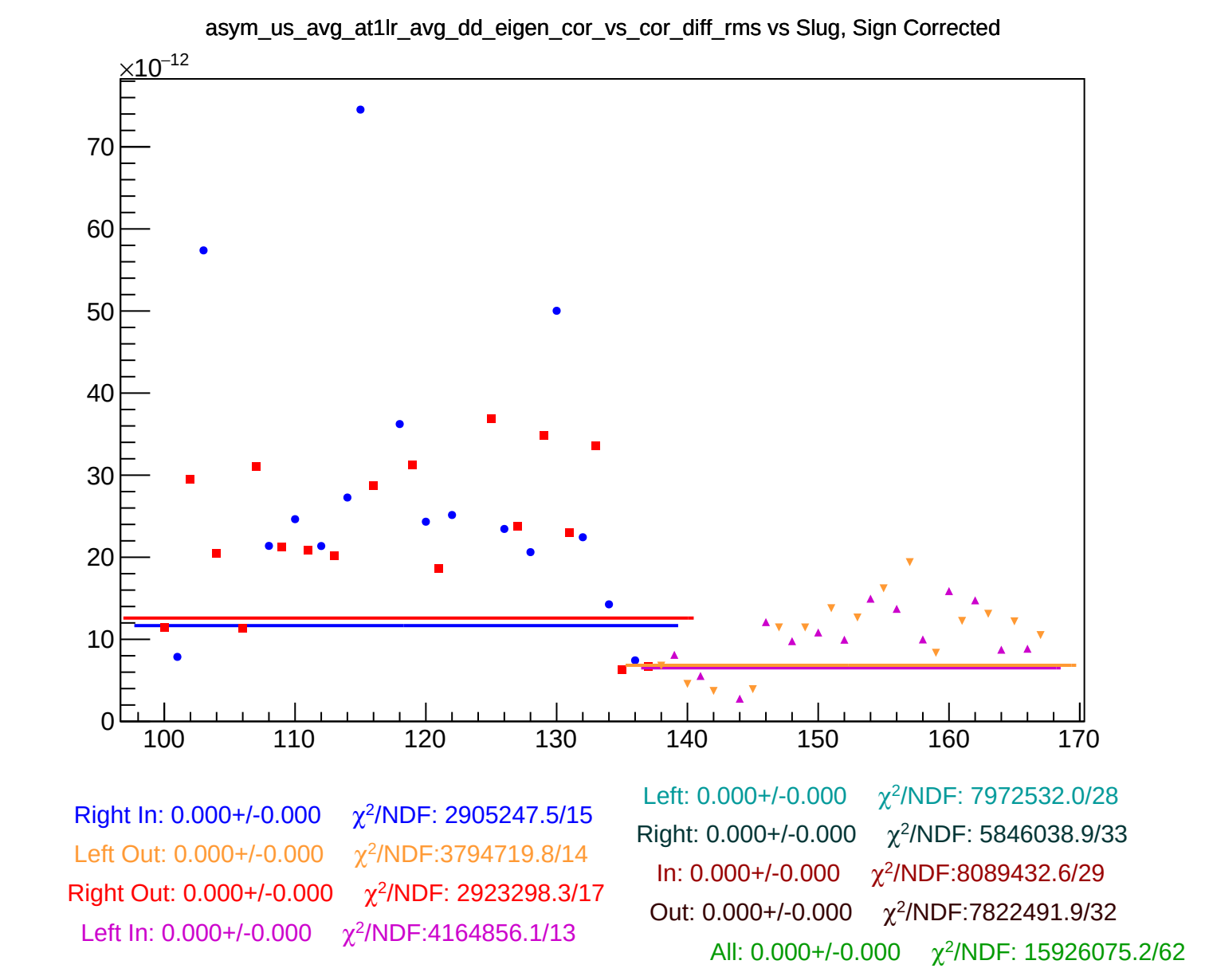
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

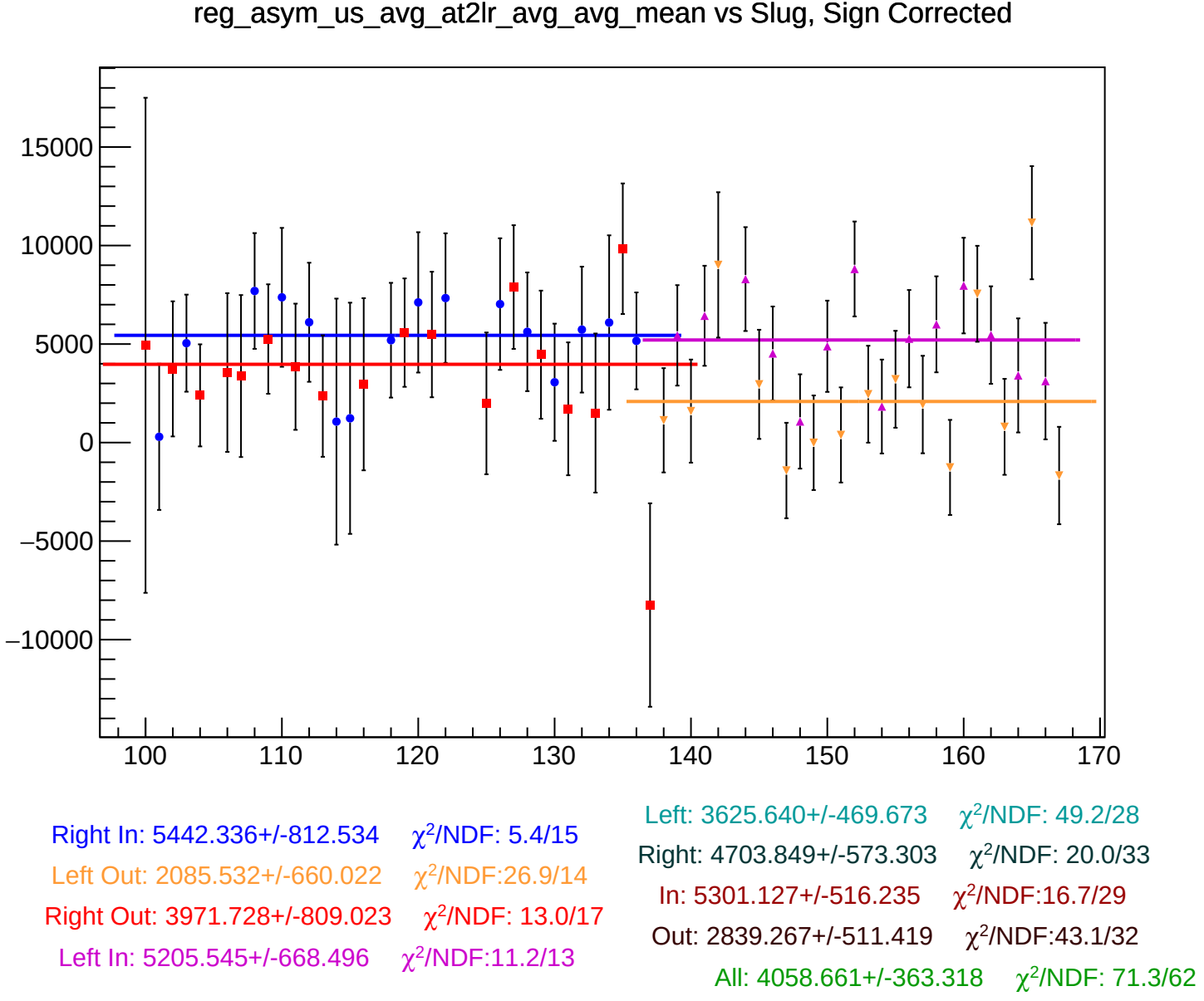
In: 46.198+/-0.008 χ^2/NDF:2131020.2/29

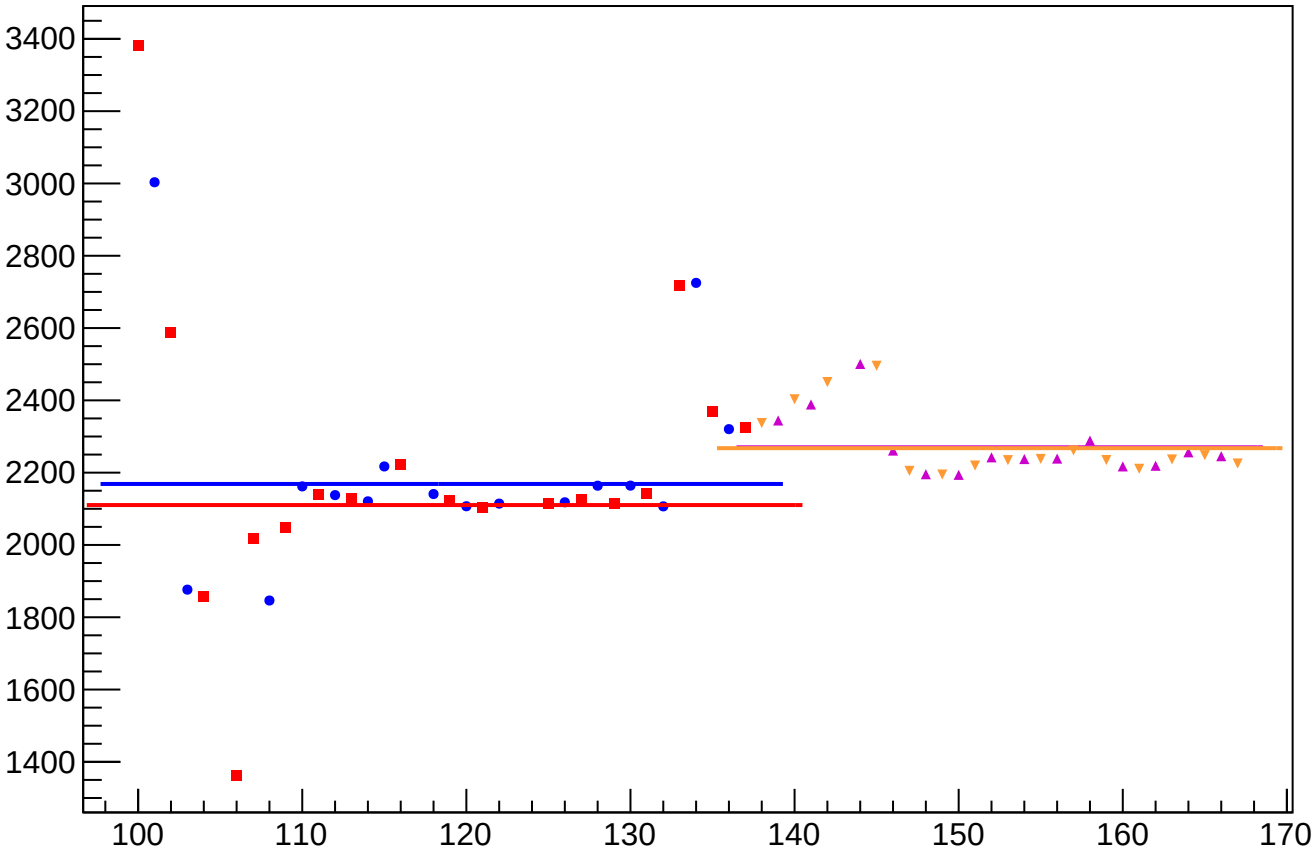
Out: 44.412+/-0.008 χ^2/NDF:2692158.3/32

All: 45.290+/-0.006 χ^2/NDF: 4846767.3/62

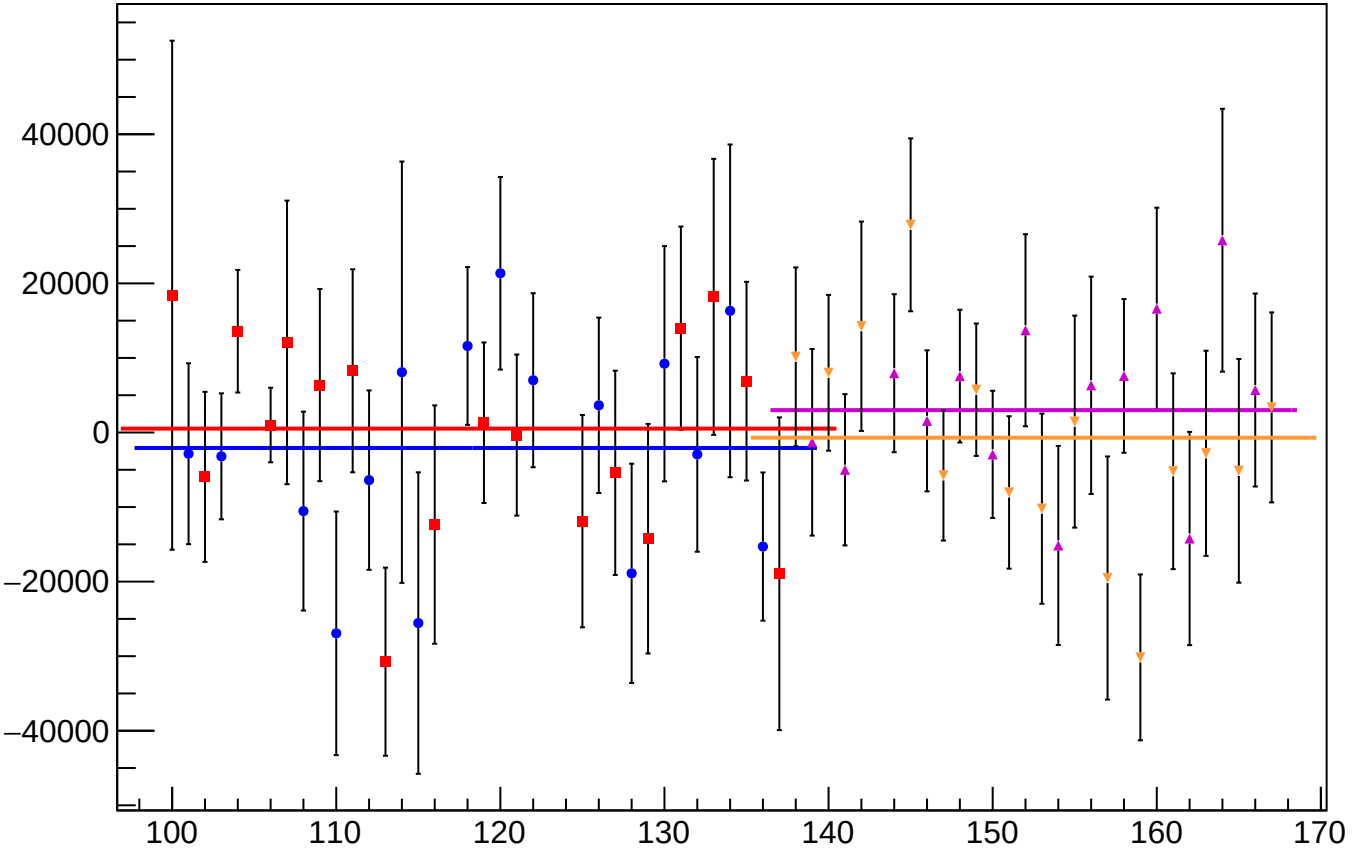

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:7.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:8.8/13
Left: 0.000+/-0.000 χ²/NDF: 21.0/28
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:16.9/29
Out: 0.000+/-0.000 χ²/NDF:27.7/32
All: 0.000+/-0.000 χ²/NDF: 46.5/62


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3794719.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:4164856.1/13
Left: 0.000+/-0.000 χ²/NDF: 7972532.0/28
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:8089432.6/29
Out: 0.000+/-0.000 χ²/NDF:7822491.9/32
All: 0.000+/-0.000 χ²/NDF: 15926075.2/62


reg_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 5442.336+/-812.534 χ²/NDF: 5.4/15
Left Out: 2085.532+/-660.022 χ²/NDF:26.9/14
Right Out: 3971.728+/-809.023 χ²/NDF: 13.0/17
Left In: 5205.545+/-668.496 χ²/NDF:11.2/13
Left: 3625.640+/-469.673 χ²/NDF: 49.2/28
Right: 4703.849+/-573.303 χ²/NDF: 20.0/33
In: 5301.127+/-516.235 χ²/NDF:16.7/29
Out: 2839.267+/-511.419 χ²/NDF:43.1/32
All: 4058.661+/-363.318 χ²/NDF: 71.3/62


reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
Right In: 2168.715+/-0.575 χ²/NDF: 195659.5/15
Left Out: 2267.736+/-0.467 χ²/NDF:32314.8/14
Right Out: 2110.365+/-0.563 χ²/NDF: 267413.4/17
Left In: 2270.113+/-0.473 χ²/NDF:28537.0/13
Left: 2268.909+/-0.332 χ²/NDF: 60864.6/28
Right: 2138.947+/-0.402 χ²/NDF: 468334.9/33
In: 2229.183+/-0.365 χ²/NDF:242770.2/29
Out: 2203.637+/-0.359 χ²/NDF:346039.9/32
All: 2216.208+/-0.256 χ²/NDF: 591297.8/62

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -700.123+/-3034.234 χ^2/NDF:19.3/14

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2999.418+/-3045.100 χ^2/NDF:8.7/13

Left: 1143.035+/-2149.359 χ^2/NDF: 28.8/28

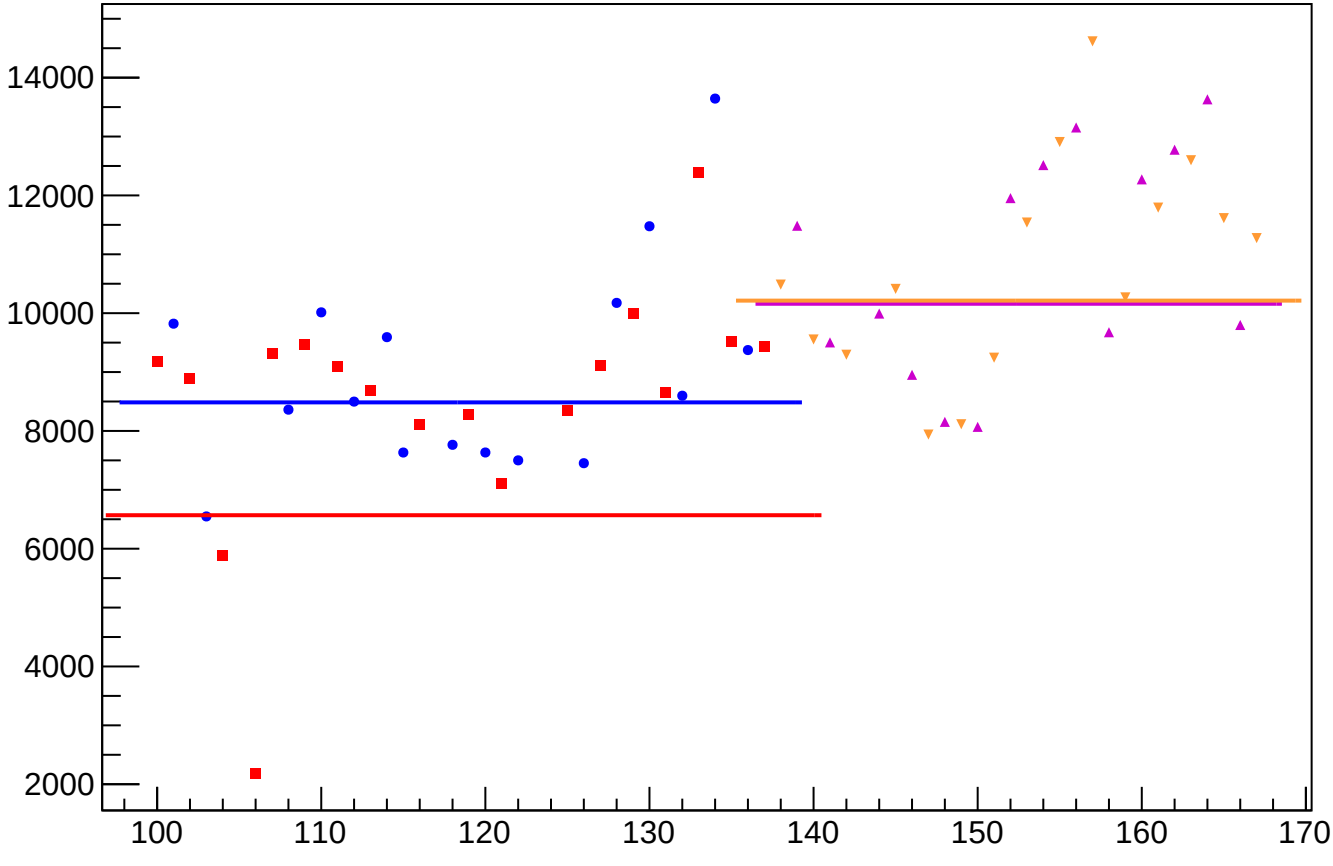
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: 597.614+/-2209.889 χ^2/NDF:24.4/29

Out: -21.844+/-2023.520 χ^2/NDF:35.1/32

All: 260.667+/-1492.390 χ^2/NDF: 59.6/62

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10213.160+/-2.146 χ^2/NDF:643197.4/14

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10159.965+/-2.153 χ^2/NDF:670165.1/13

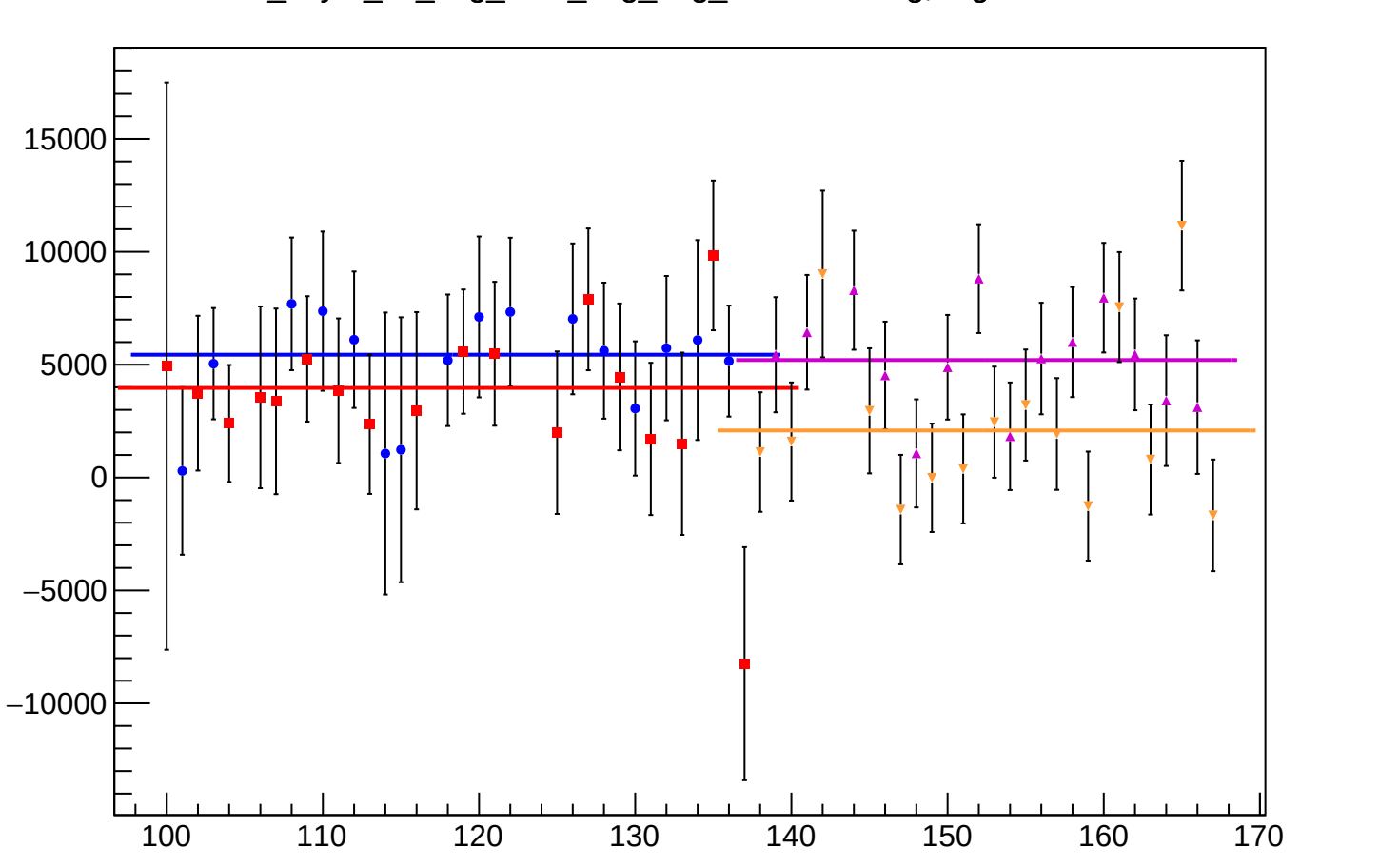
Left: 10186.658+/-1.520 χ^2/NDF: 1313668.7/28

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9367.152+/-1.563 χ^2/NDF:1379291.3/29

Out: 8189.584+/-1.431 χ^2/NDF:4814161.7/32

All: 8726.628+/-1.055 χ^2/NDF: 6502348.4/62



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2085.408+/-660.022 χ^2/NDF:26.9/14

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5205.693+/-668.496 χ^2/NDF:11.2/13

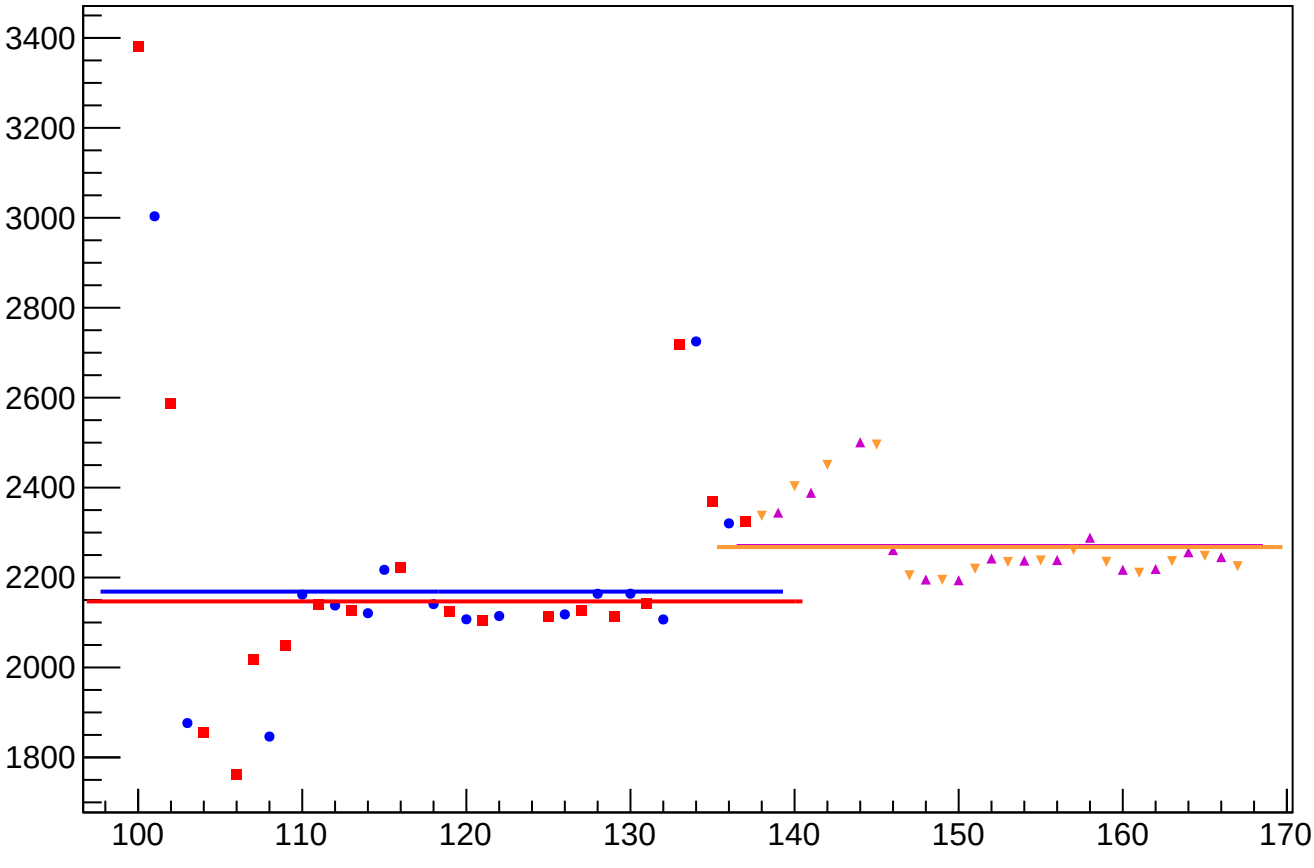
Left: 3625.650+/-469.673 χ^2/NDF: 49.2/28

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5301.273+/-516.235 χ^2/NDF:16.7/29

Out: 2839.089+/-511.419 χ^2/NDF:43.1/32

All: 4058.644+/-363.318 χ^2/NDF: 71.3/62



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2267.736+/-0.467 χ^2/NDF:32314.8/14

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2270.113+/-0.473 χ^2/NDF:28537.0/13

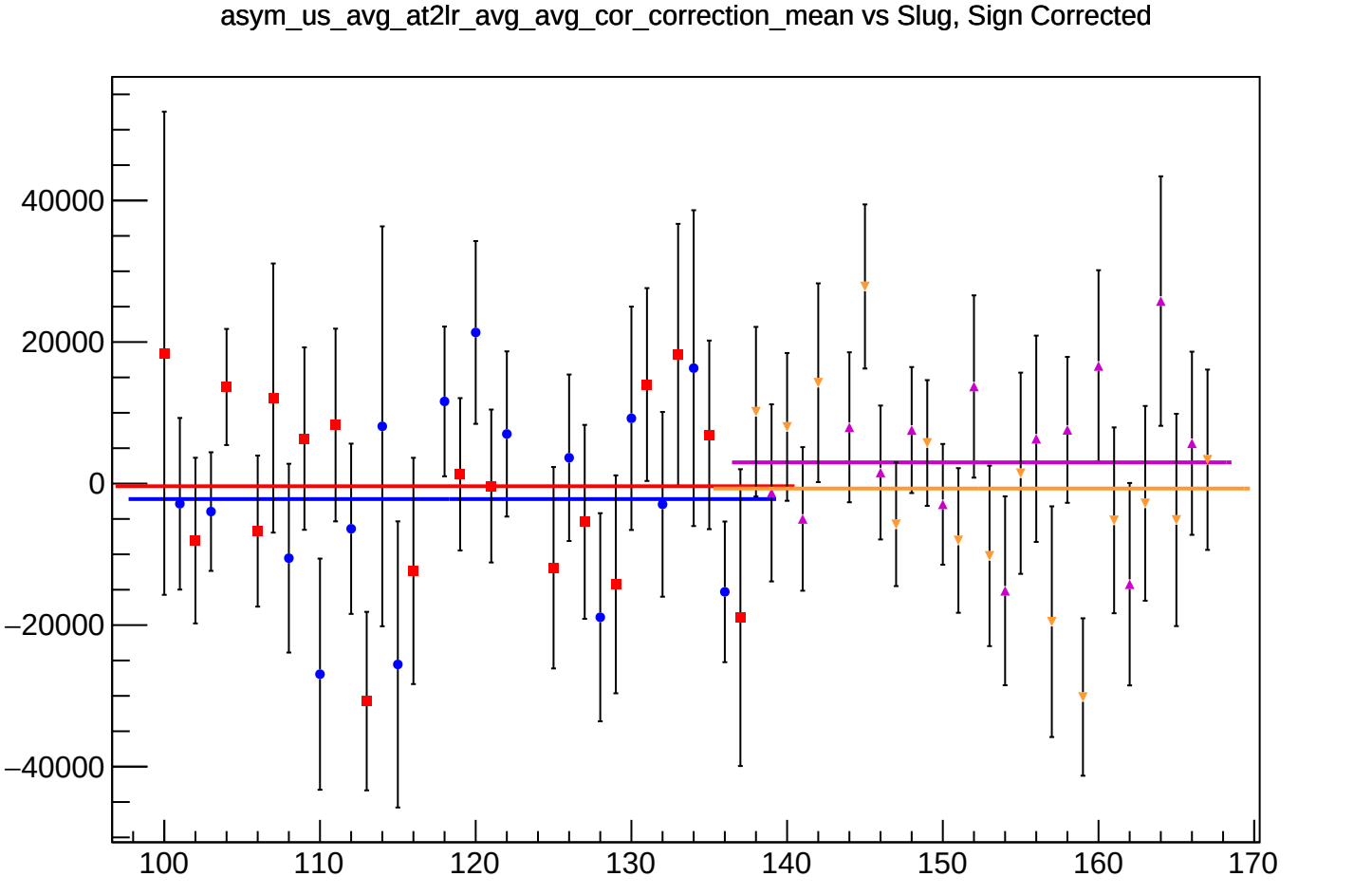
Left: 2268.909+/-0.332 χ^2/NDF: 60864.6/28

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

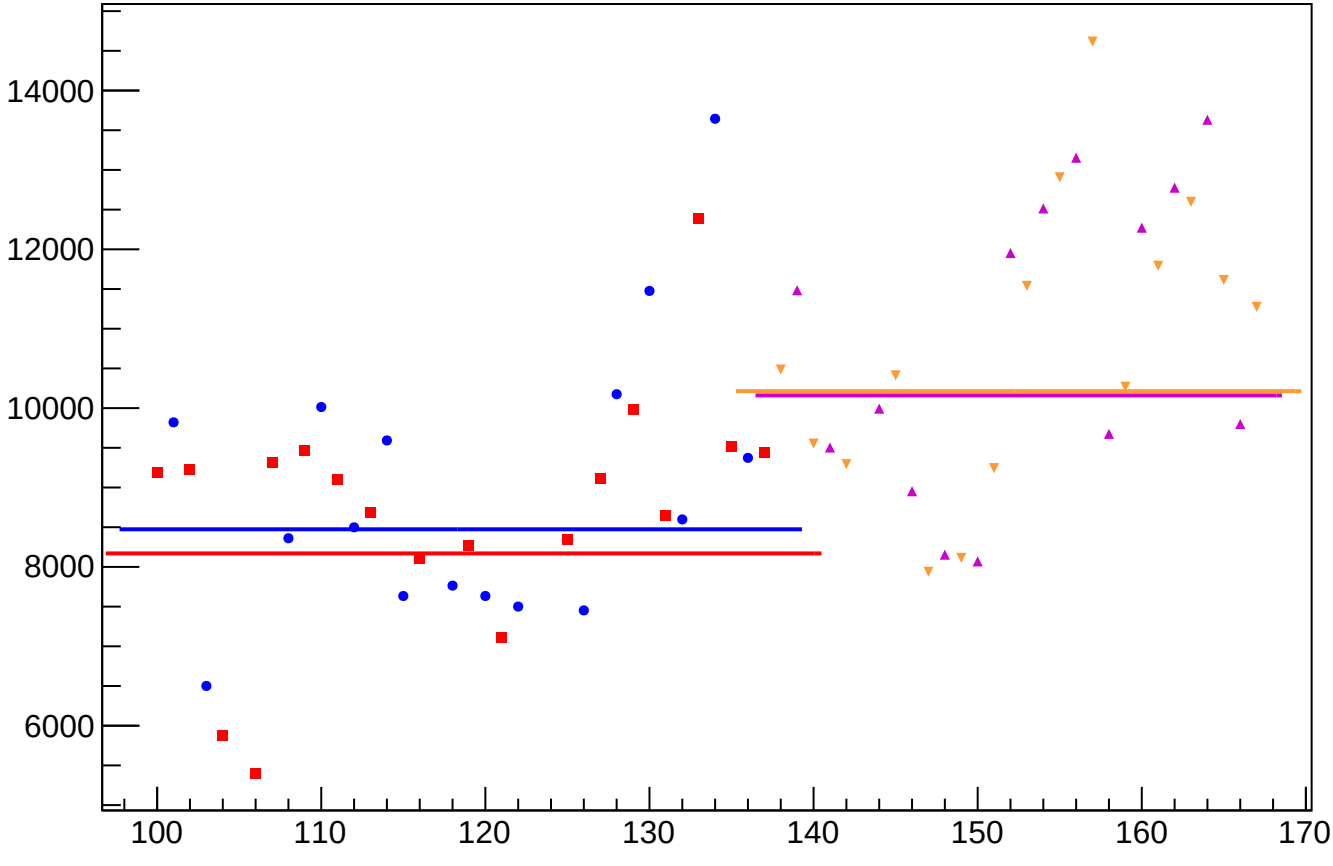
In: 2229.183+/-0.365 χ^2/NDF:242770.7/29

Out: 2219.156+/-0.361 χ^2/NDF:217019.1/32

All: 2224.112+/-0.257 χ^2/NDF: 460171.3/62


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -700.150+/-3034.231 χ²/NDF:19.3/14
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 2999.637+/-3045.098 χ²/NDF:8.7/13
Left: 1143.130+/-2149.357 χ²/NDF: 28.8/28
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 540.699+/-2208.725 χ²/NDF:24.5/29
Out: -543.131+/-2168.388 χ²/NDF:35.6/32
All: -11.203+/-1547.346 χ²/NDF: 60.3/62

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10213.151+/-2.146 χ^2/NDF:643199.5/14

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10159.961+/-2.153 χ^2/NDF:670170.1/13

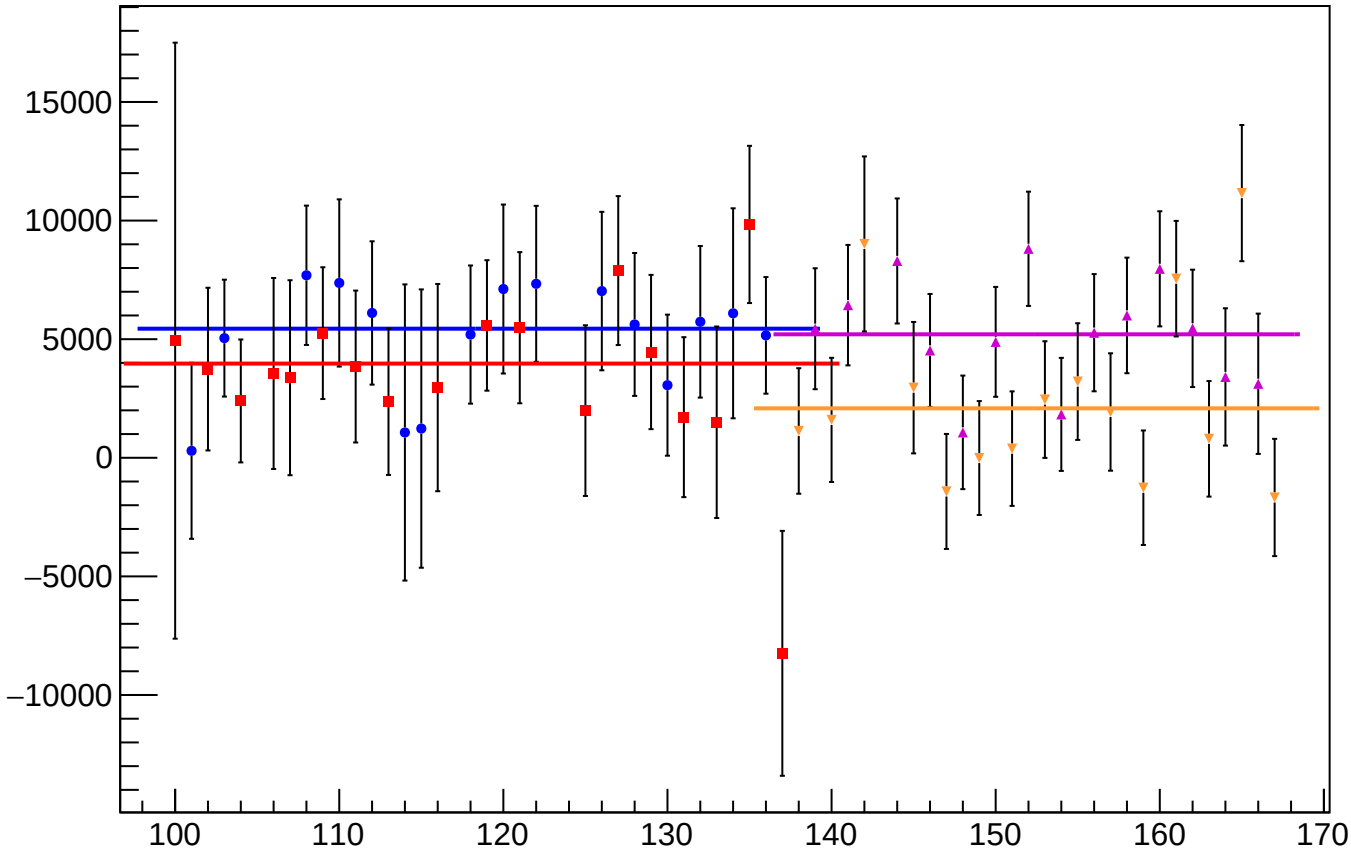
Left: 10186.651+/-1.520 χ^2/NDF: 1313675.8/28

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9360.887+/-1.562 χ^2/NDF:1390338.7/29

Out: 9213.477+/-1.533 χ^2/NDF:1626821.5/32

All: 9285.824+/-1.094 χ^2/NDF: 3021696.6/62



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2085.408+/-660.022 χ^2/NDF:26.9/14

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5205.693+/-668.496 χ^2/NDF:11.2/13

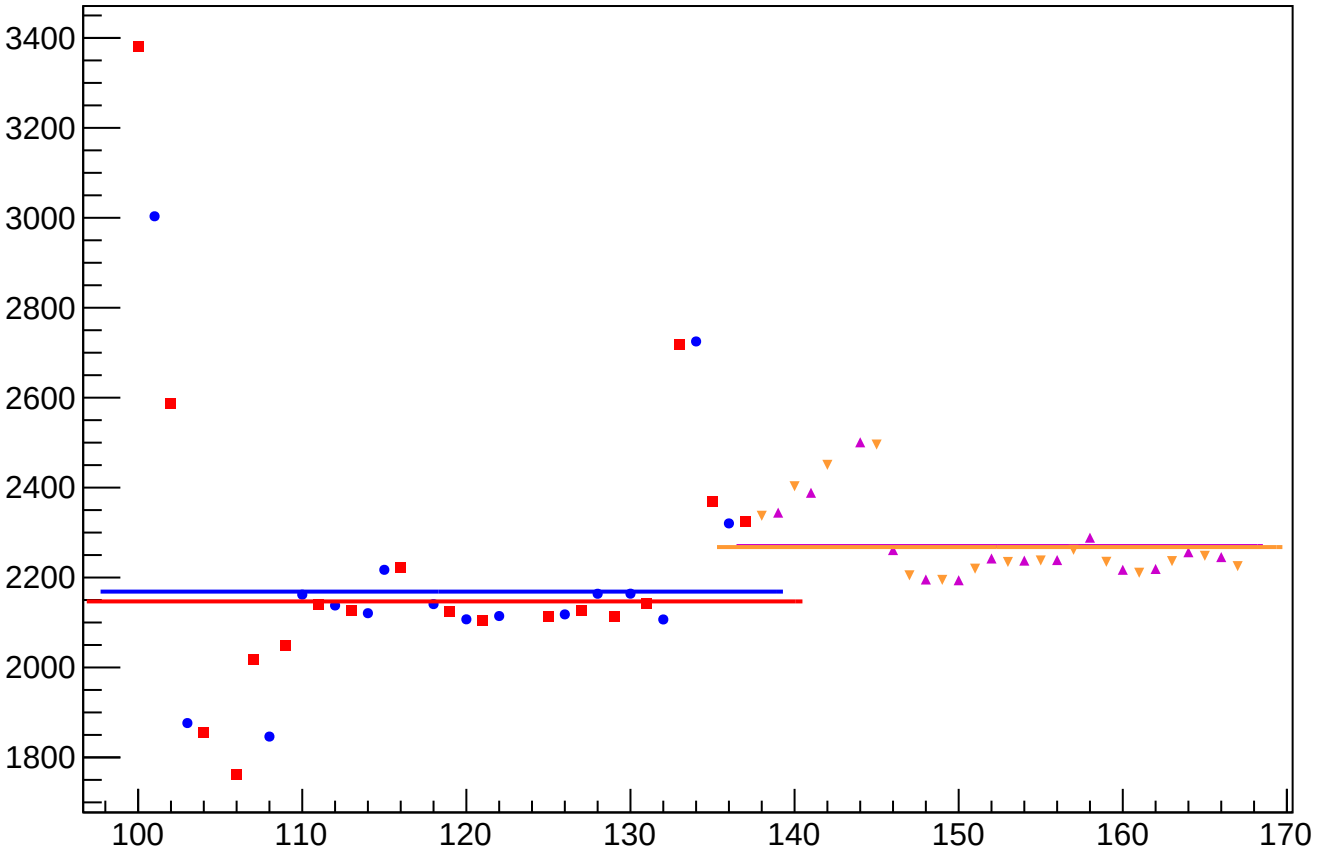
Left: 3625.650+/-469.673 χ^2/NDF: 49.2/28

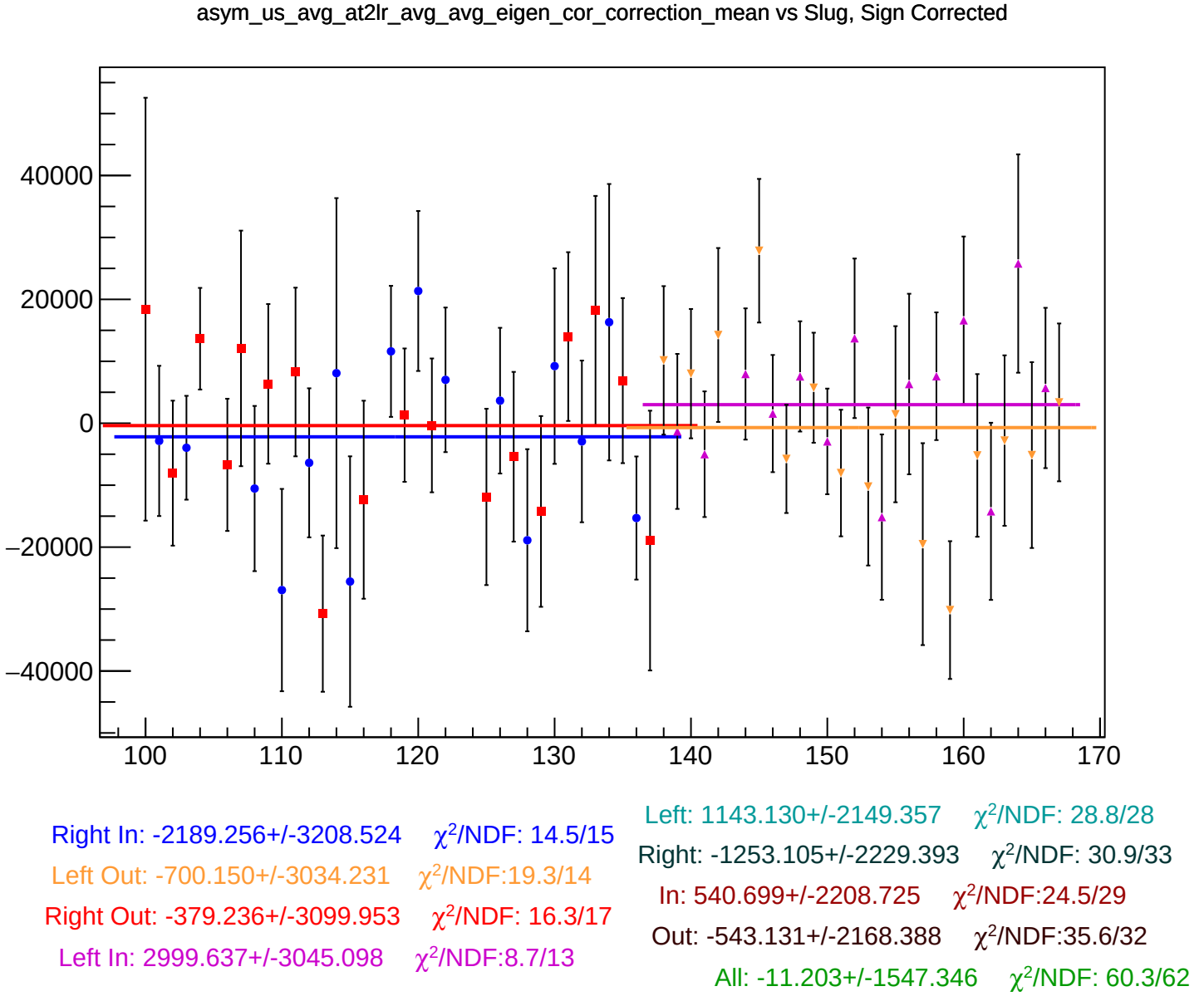
Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5301.273+/-516.235 χ^2/NDF:16.7/29

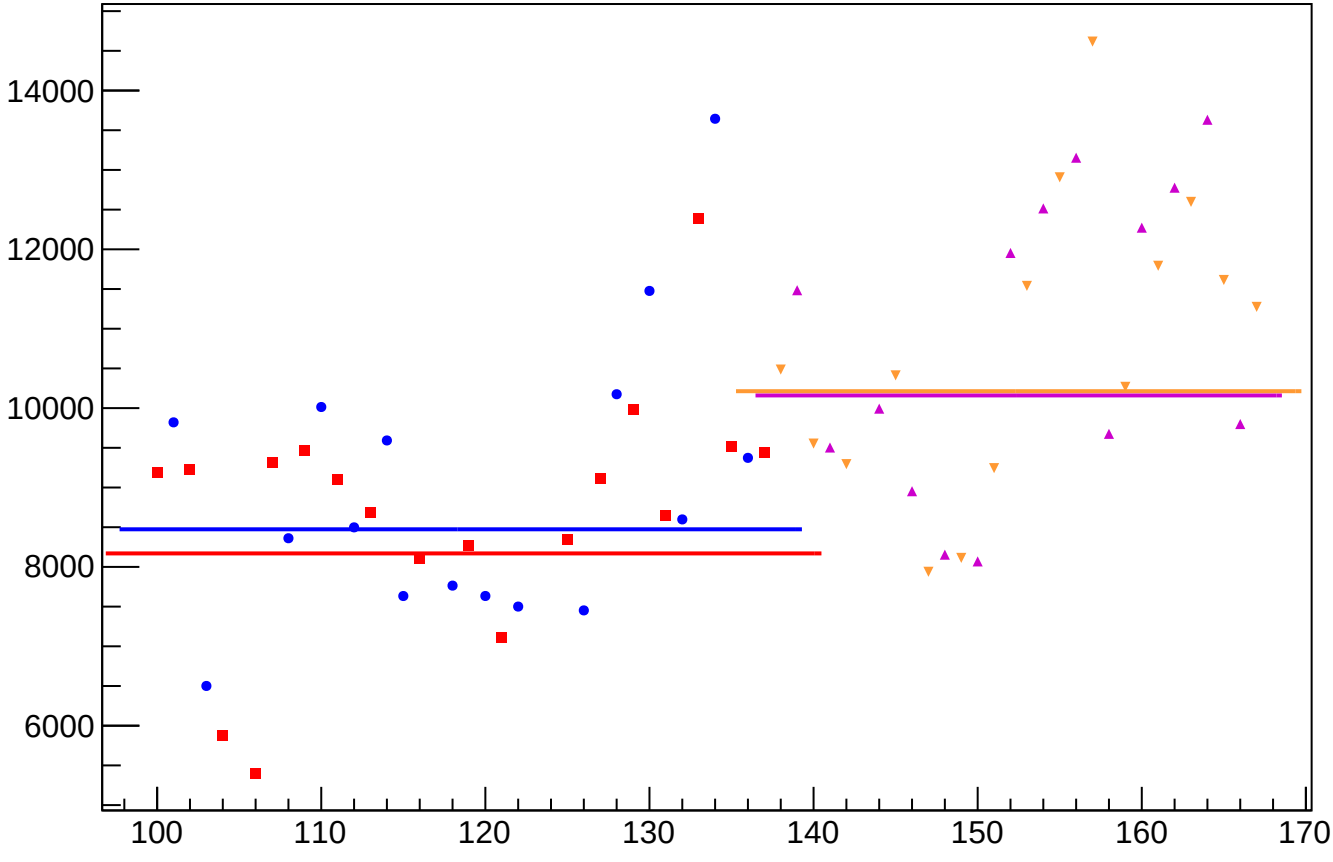
Out: 2839.089+/-511.419 χ^2/NDF:43.1/32

All: 4058.644+/-363.318 χ^2/NDF: 71.3/62


eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
170
Right In: 2168.715+/-0.575 χ²/NDF: 195659.8/15
Left Out: 2267.736+/-0.467 χ²/NDF:32314.8/14
Right Out: 2146.888+/-0.569 χ²/NDF: 157750.7/17
Left In: 2270.113+/-0.473 χ²/NDF:28537.0/13
Left: 2268.909+/-0.332 χ²/NDF: 60864.6/28
Right: 2157.700+/-0.404 χ²/NDF: 354138.9/33
In: 2229.183+/-0.365 χ²/NDF:242770.7/29
Out: 2219.156+/-0.361 χ²/NDF:217019.1/32
All: 2224.112+/-0.257 χ²/NDF: 460171.3/62


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -700.150+/-3034.231 χ²/NDF:19.3/14
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 2999.637+/-3045.098 χ²/NDF:8.7/13
Left: 1143.130+/-2149.357 χ²/NDF: 28.8/28
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 540.699+/-2208.725 χ²/NDF:24.5/29
Out: -543.131+/-2168.388 χ²/NDF:35.6/32
All: -11.203+/-1547.346 χ²/NDF: 60.3/62

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10213.151+/-2.146 χ^2/NDF:643199.5/14

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10159.961+/-2.153 χ^2/NDF:670170.1/13

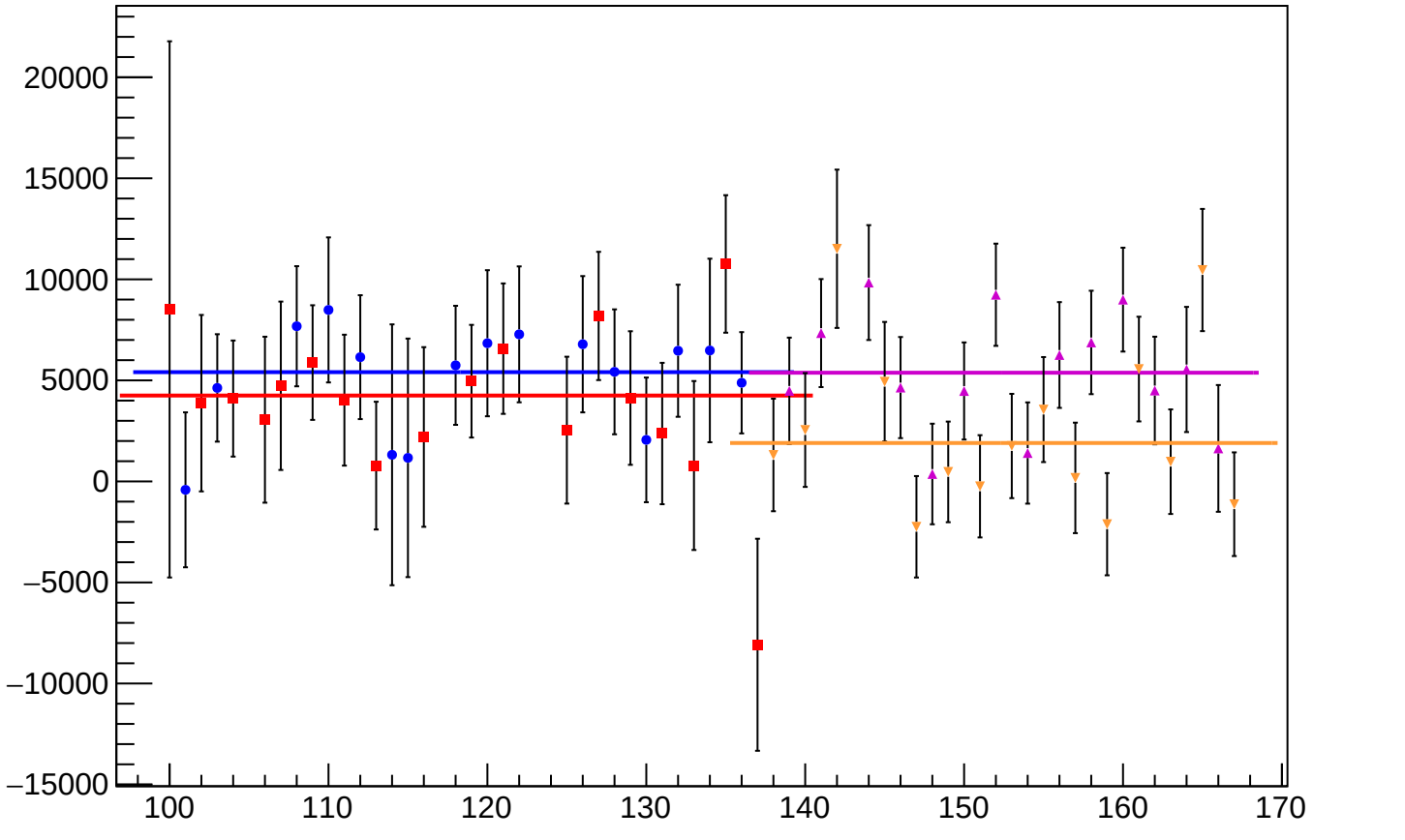
Left: 10186.651+/-1.520 χ^2/NDF: 1313675.8/28

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9360.887+/-1.562 χ^2/NDF:1390338.7/29

Out: 9213.477+/-1.533 χ^2/NDF:1626821.5/32

All: 9285.824+/-1.094 χ^2/NDF: 3021696.6/62



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1901.409+/-696.949 χ^2/NDF:25.8/14

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5379.377+/-704.511 χ^2/NDF:16.2/13

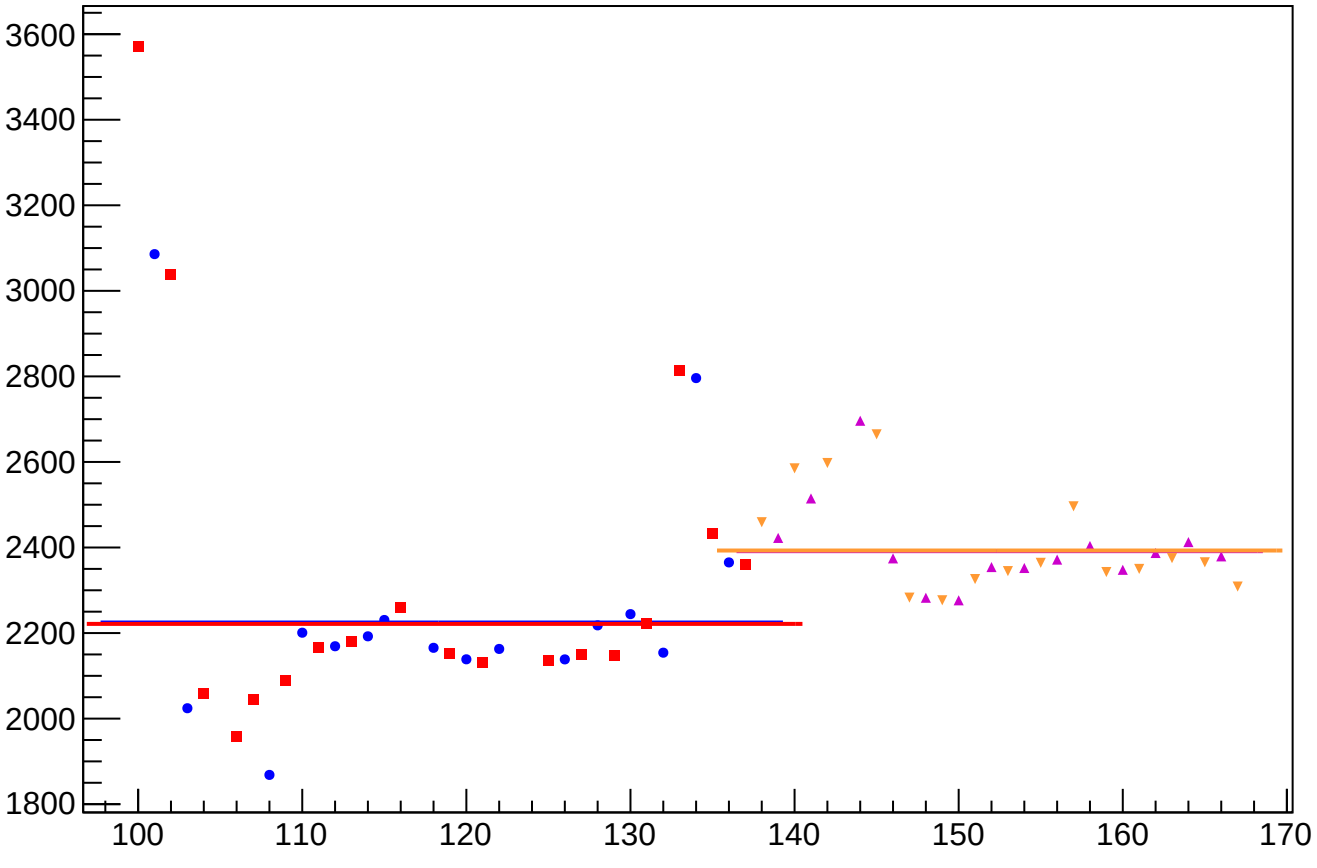
Left: 3621.626+/-495.469 χ^2/NDF: 54.3/28

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5391.246+/-538.106 χ^2/NDF:22.9/29

Out: 2859.844+/-536.195 χ^2/NDF:44.9/32

All: 4121.041+/-379.821 χ^2/NDF: 79.0/62



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2392.960+/-0.493 χ^2/NDF:49902.5/14

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2391.442+/-0.498 χ^2/NDF:37817.5/13

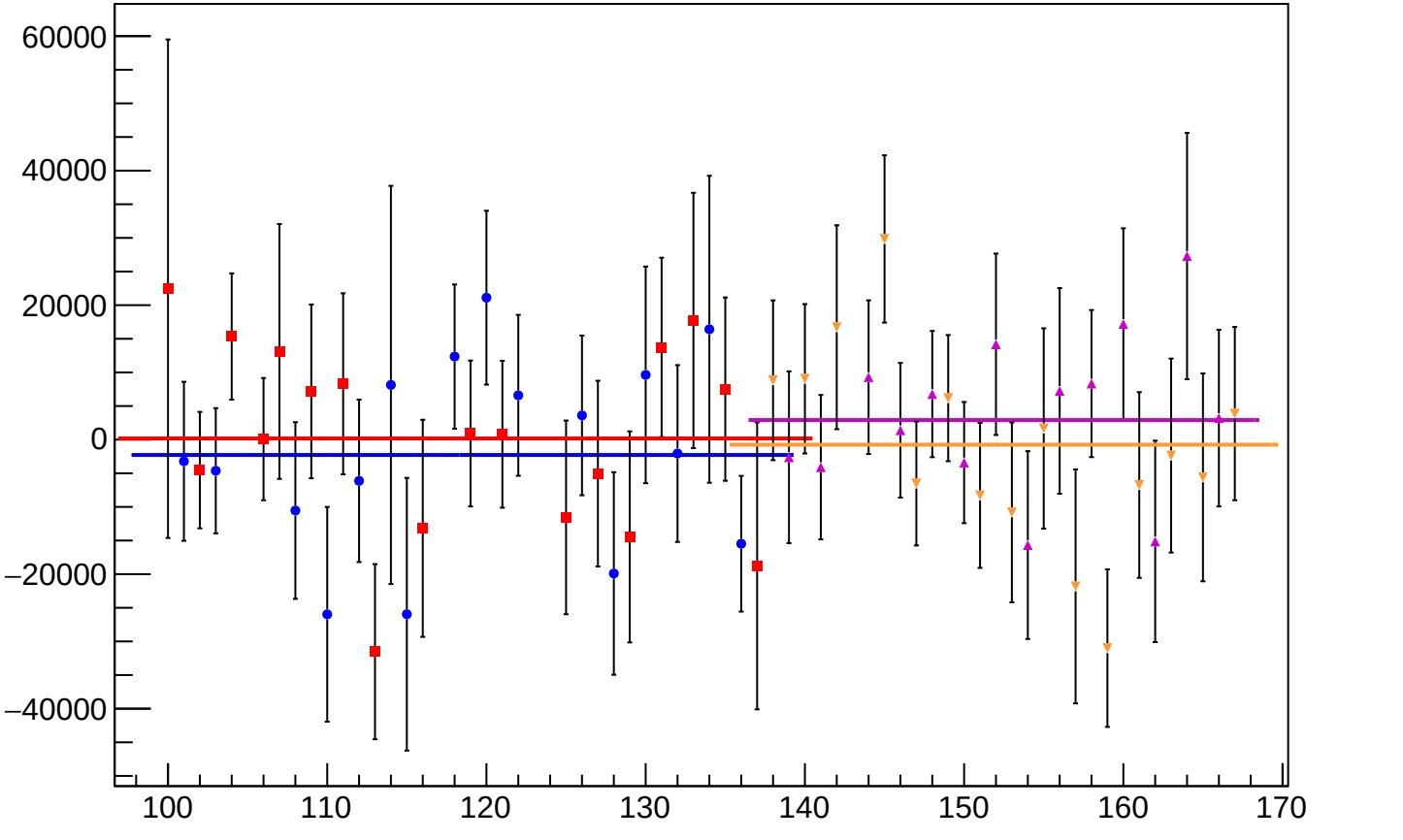
Left: 2392.210+/-0.350 χ^2/NDF: 87724.7/28

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2321.940+/-0.380 χ^2/NDF:269219.6/29

Out: 2322.905+/-0.379 χ^2/NDF:269326.2/32

All: 2322.424+/-0.269 χ^2/NDF: 538549.0/62



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -753.385+/-3182.616 χ^2/NDF:19.4/14

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 2915.630+/-3201.471 χ^2/NDF:8.6/13

Left: 1070.286+/-2257.086 χ^2/NDF: 28.7/28

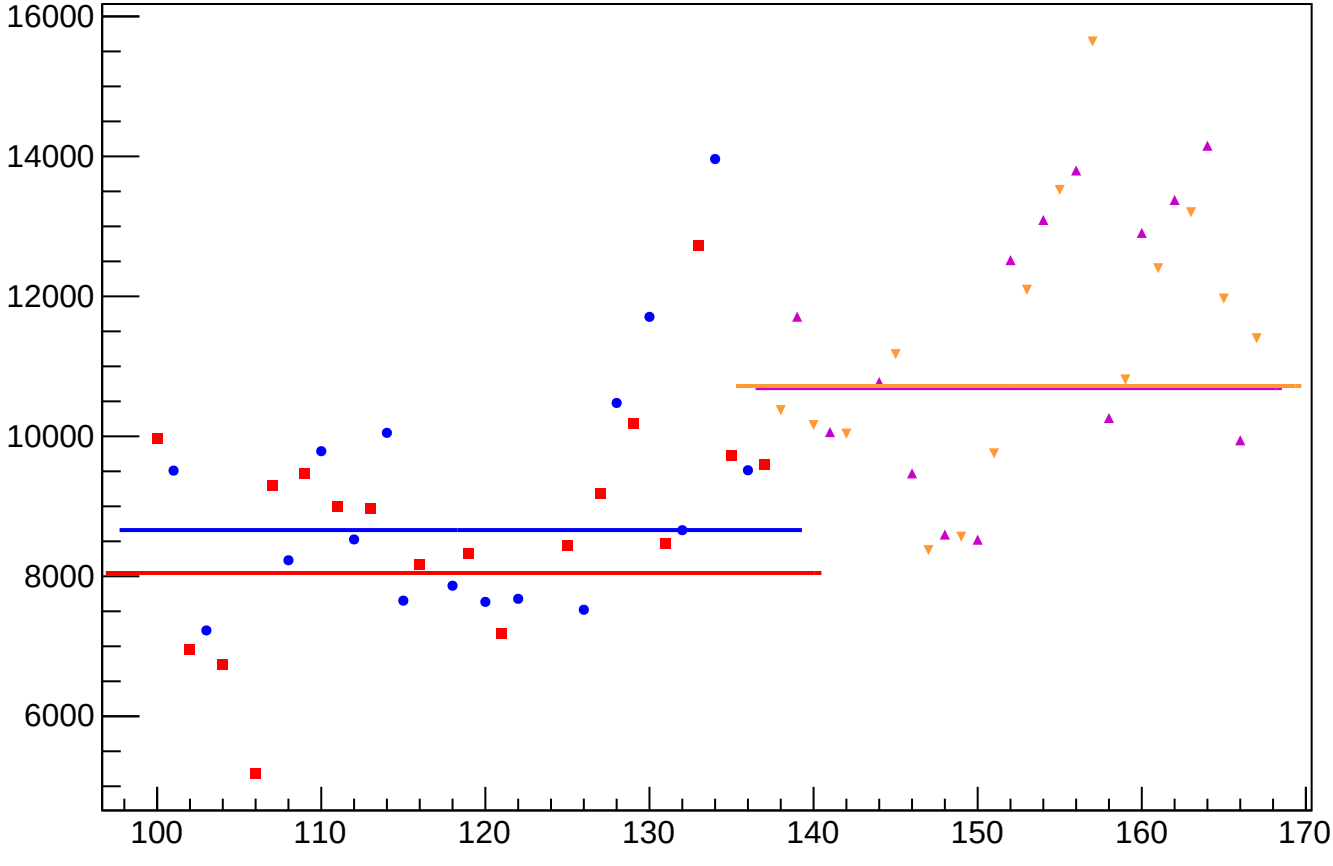
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: 374.979+/-2288.225 χ^2/NDF:24.4/29

Out: -266.158+/-2196.536 χ^2/NDF:35.1/32

All: 41.309+/-1584.608 χ^2/NDF: 59.5/62

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10719.237+/-2.250 χ^2/NDF:624177.7/14

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10688.761+/-2.264 χ^2/NDF:637155.4/13

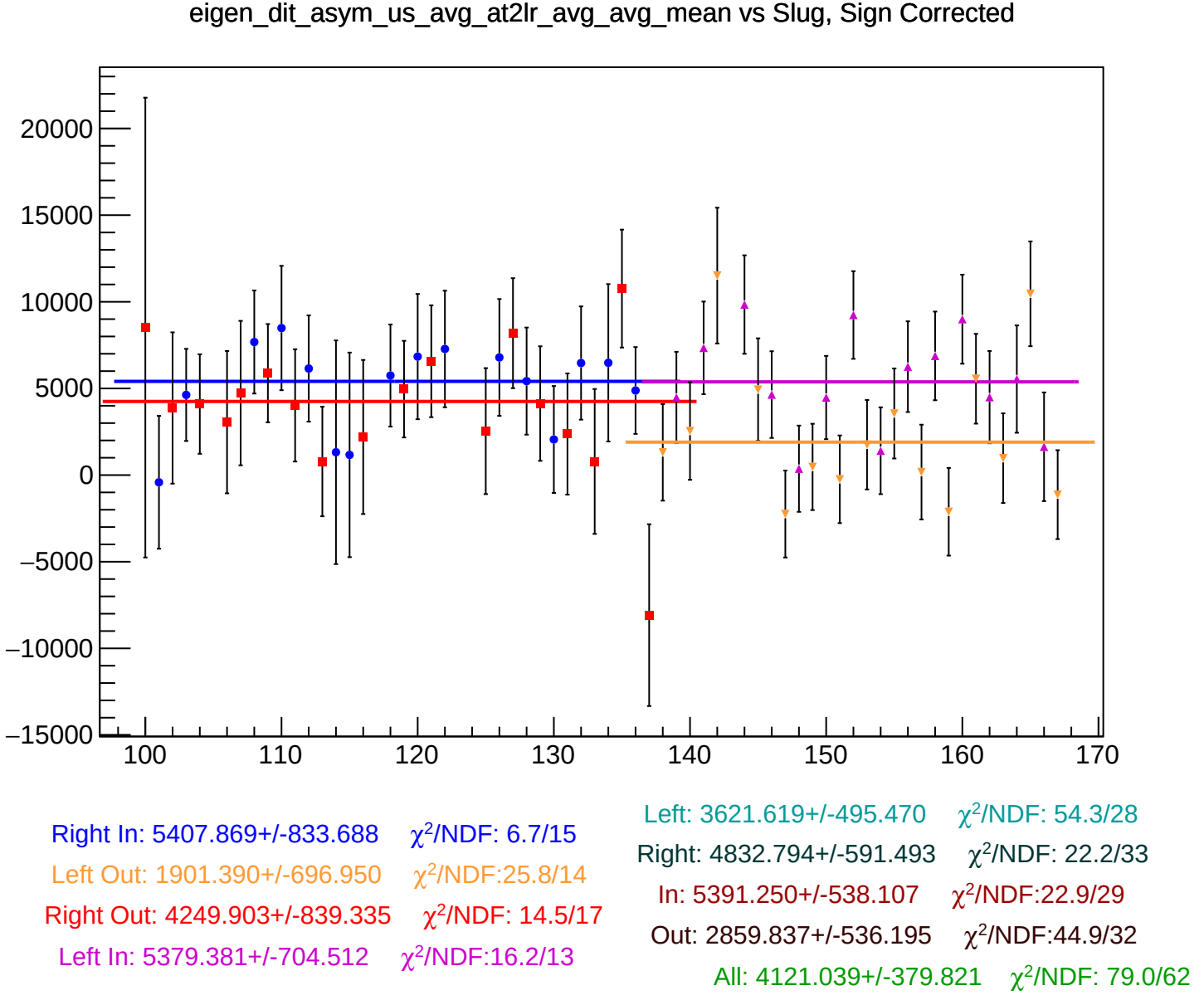
Left: 10704.089+/-1.596 χ^2/NDF: 1261424.2/28

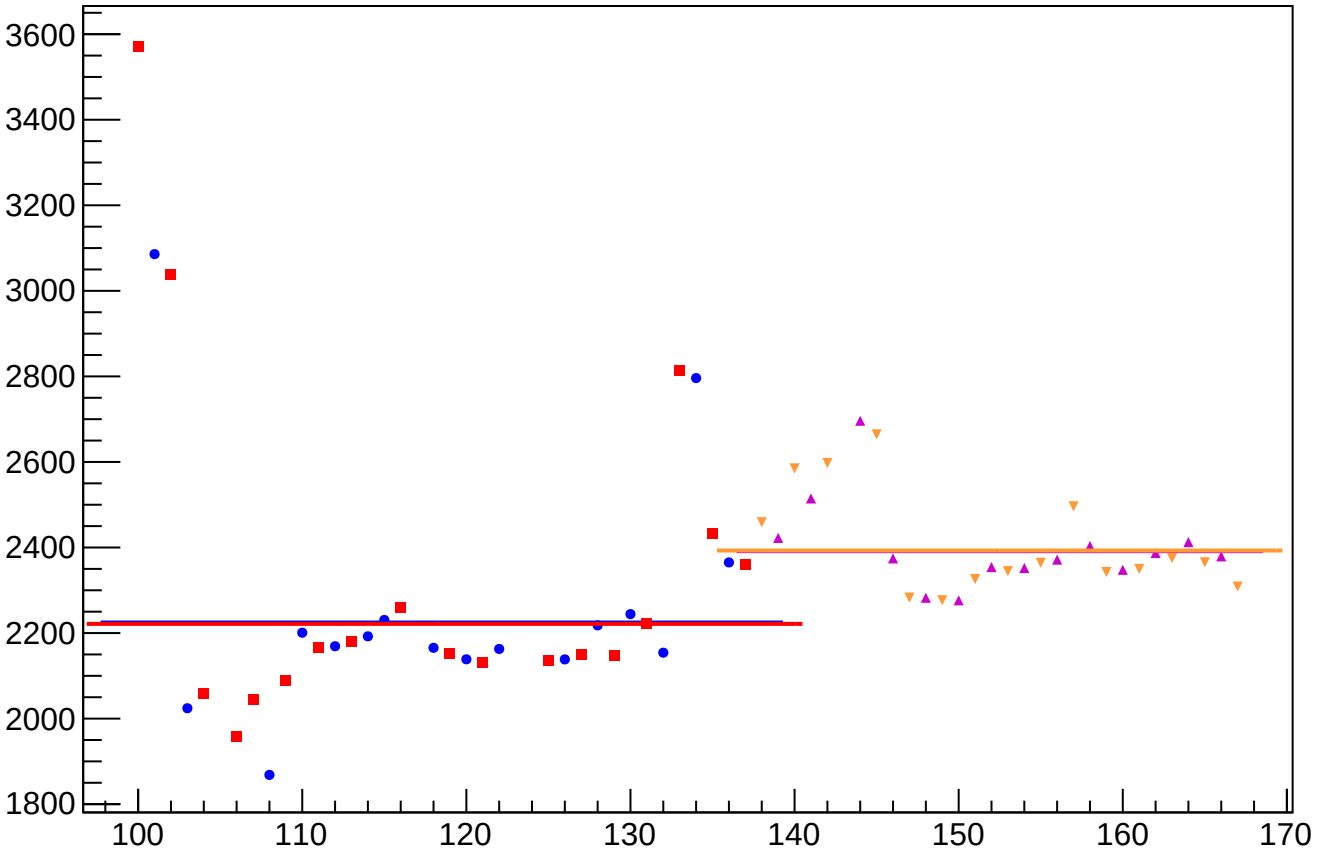
Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9696.762+/-1.618 χ^2/NDF:1387686.3/29

Out: 9320.108+/-1.553 χ^2/NDF:1920844.6/32

All: 9500.738+/-1.120 χ^2/NDF: 3336733.2/62


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 5407.869+/-833.688 χ²/NDF: 6.7/15
Left Out: 1901.390+/-696.950 χ²/NDF:25.8/14
Right Out: 4249.903+/-839.335 χ²/NDF: 14.5/17
Left In: 5379.381+/-704.512 χ²/NDF:16.2/13
Left: 3621.619+/-495.470 χ²/NDF: 54.3/28
Right: 4832.794+/-591.493 χ²/NDF: 22.2/33
In: 5391.250+/-538.107 χ²/NDF:22.9/29
Out: 2859.837+/-536.195 χ²/NDF:44.9/32
All: 4121.039+/-379.821 χ²/NDF: 79.0/62



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2392.964+/-0.493 χ^2/NDF:49903.1/14

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2391.446+/-0.498 χ^2/NDF:37817.8/13

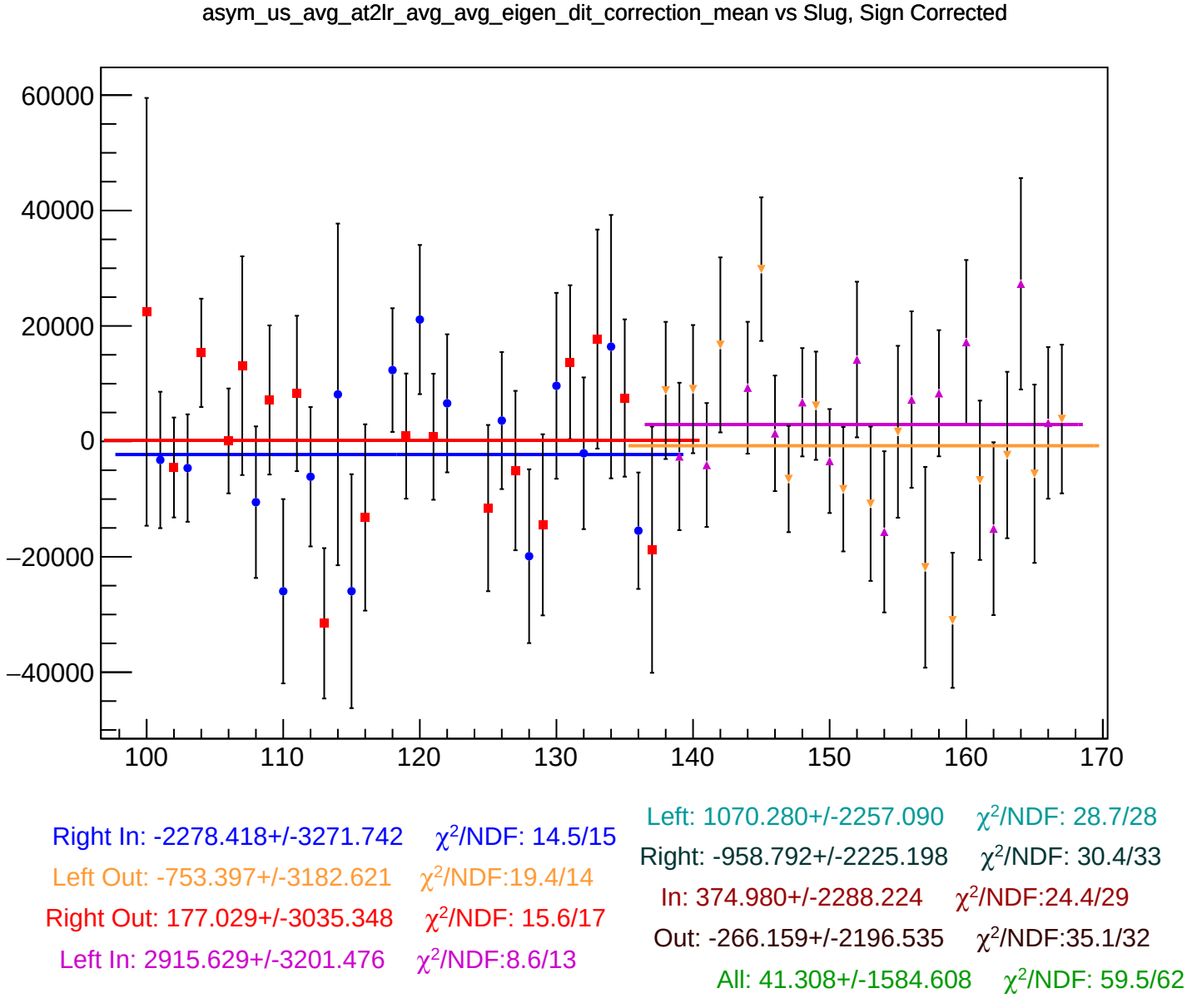
Left: 2392.213+/-0.350 χ^2/NDF: 87725.6/28

Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

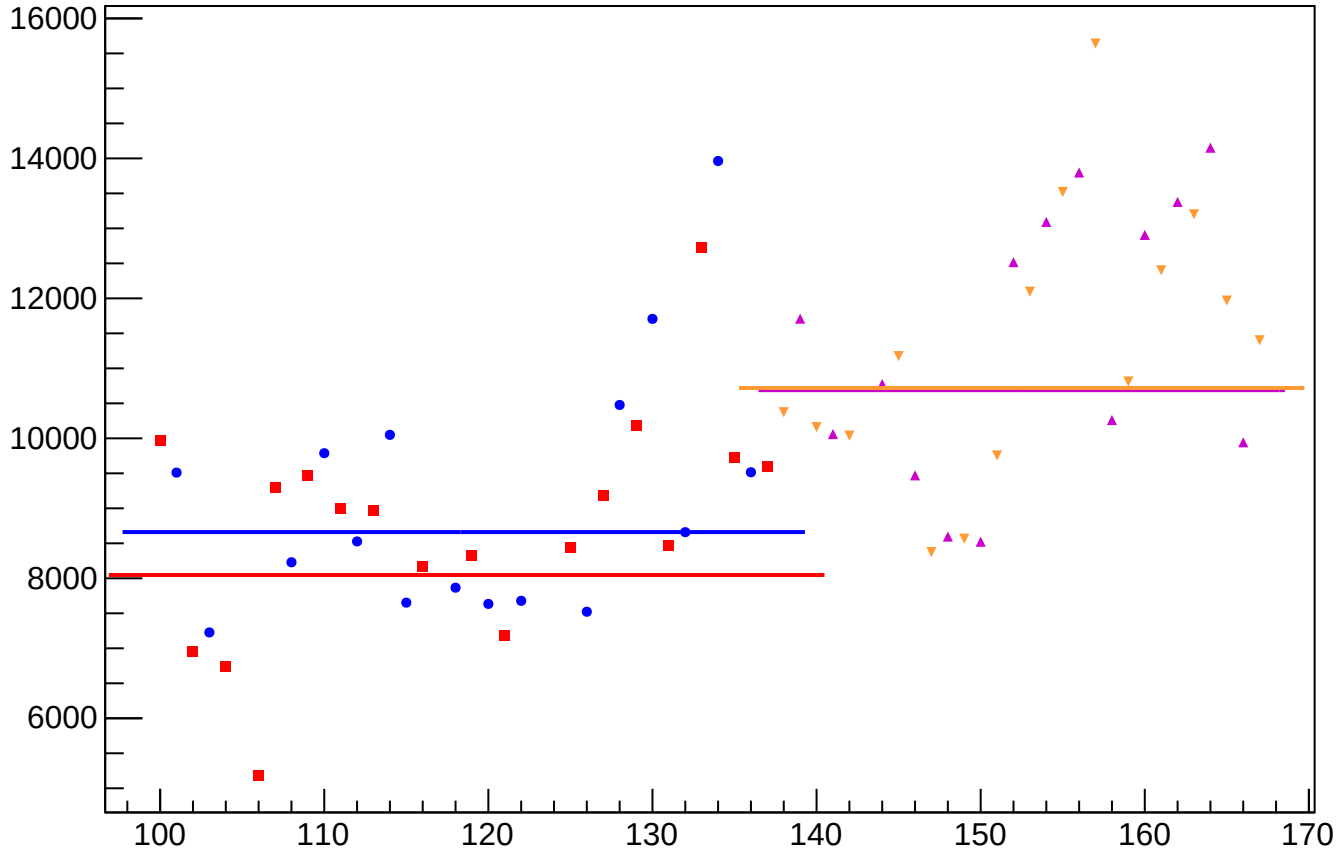
In: 2321.942+/-0.380 χ^2/NDF:269222.5/29

Out: 2322.906+/-0.379 χ^2/NDF:269329.3/32

All: 2322.426+/-0.269 χ^2/NDF: 538555.0/62


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2278.418+/-3271.742 χ²/NDF: 14.5/15
Left Out: -753.397+/-3182.621 χ²/NDF:19.4/14
Right Out: 177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: 2915.629+/-3201.476 χ²/NDF:8.6/13
Left: 1070.280+/-2257.090 χ²/NDF: 28.7/28
Right: -958.792+/-2225.198 χ²/NDF: 30.4/33
In: 374.980+/-2288.224 χ²/NDF:24.4/29
Out: -266.159+/-2196.535 χ²/NDF:35.1/32
All: 41.308+/-1584.608 χ²/NDF: 59.5/62

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10719.254+/-2.250 χ^2/NDF:624180.1/14

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10688.777+/-2.264 χ^2/NDF:637156.8/13

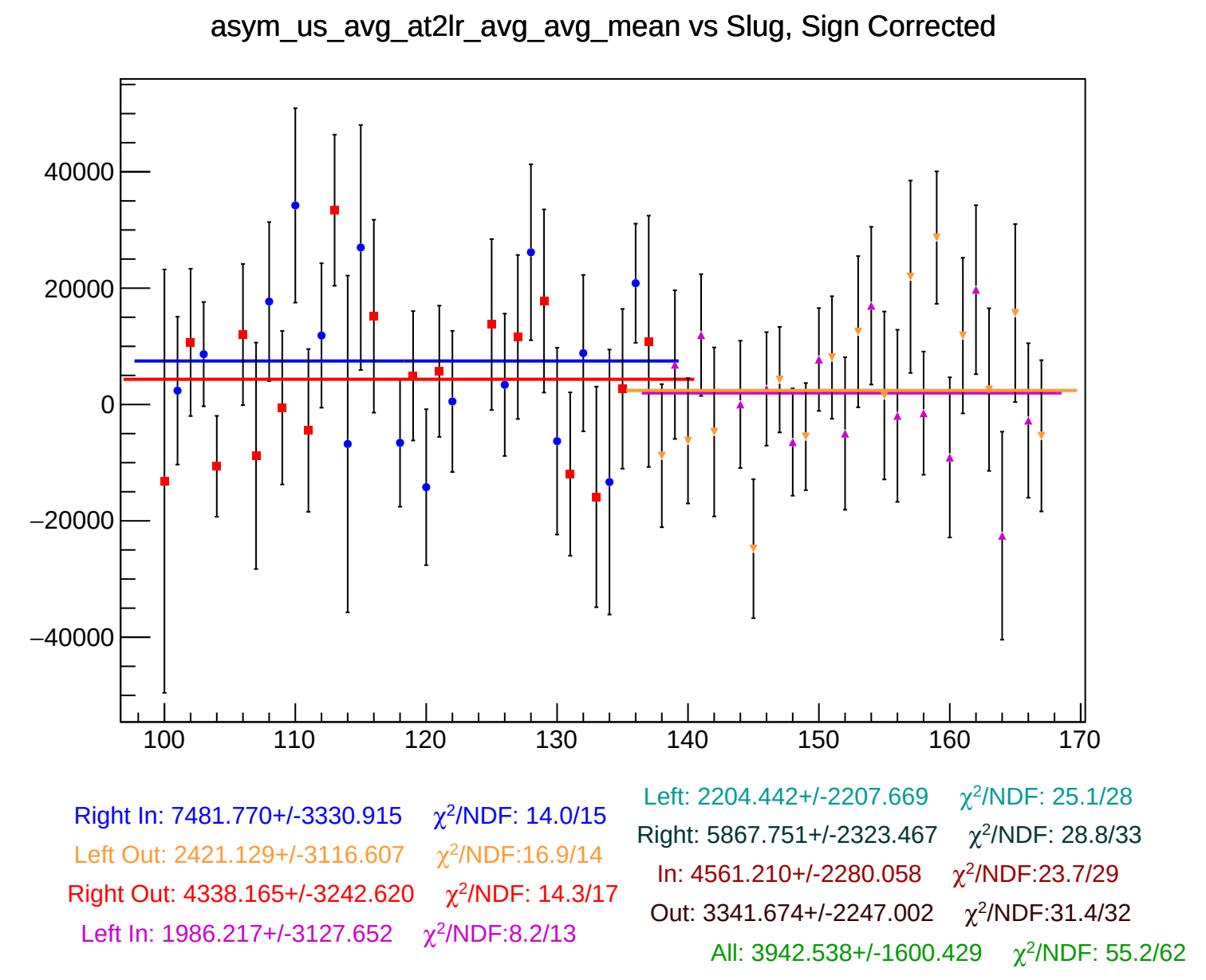
Left: 10704.105+/-1.596 χ^2/NDF: 1261428.0/28

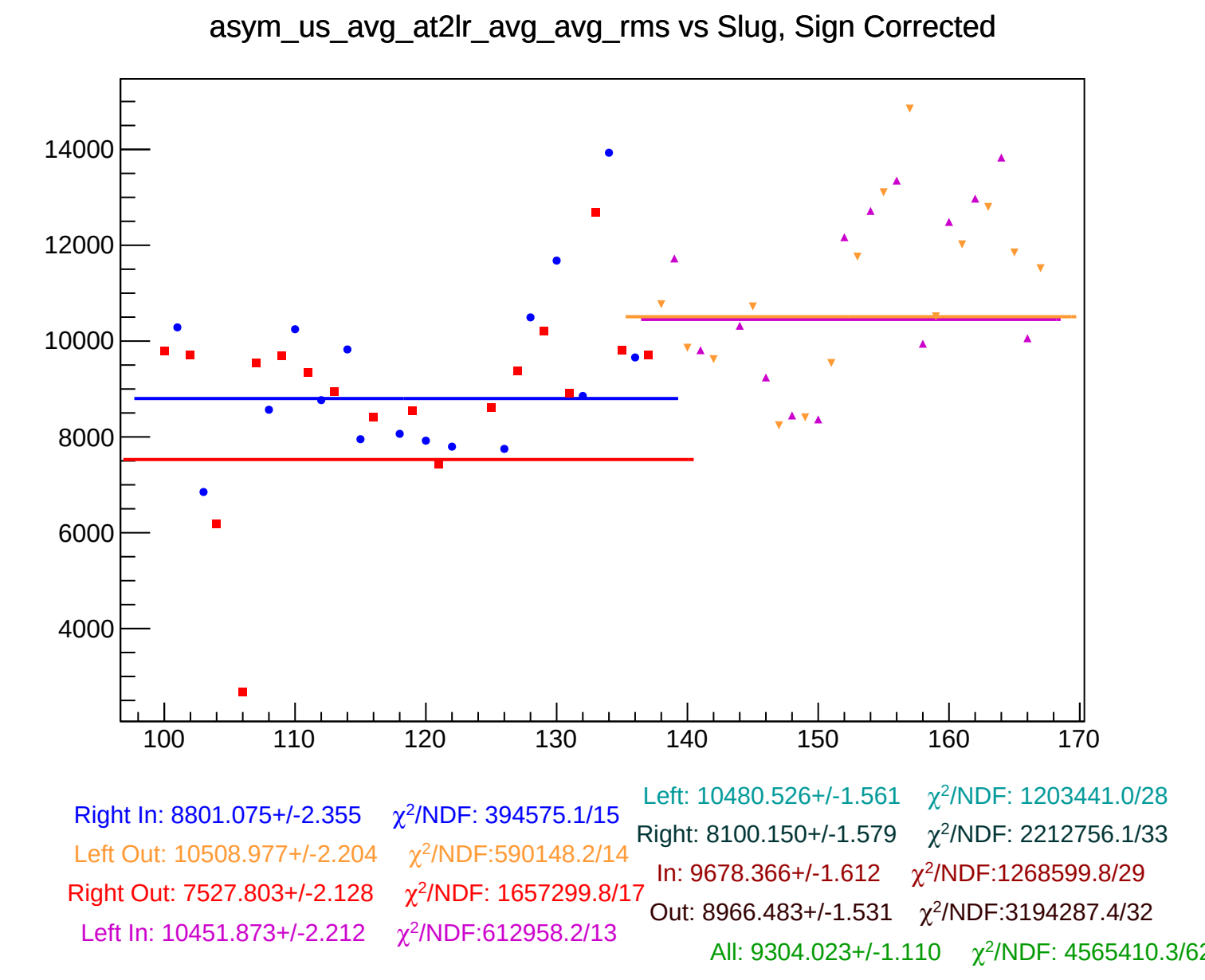
Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

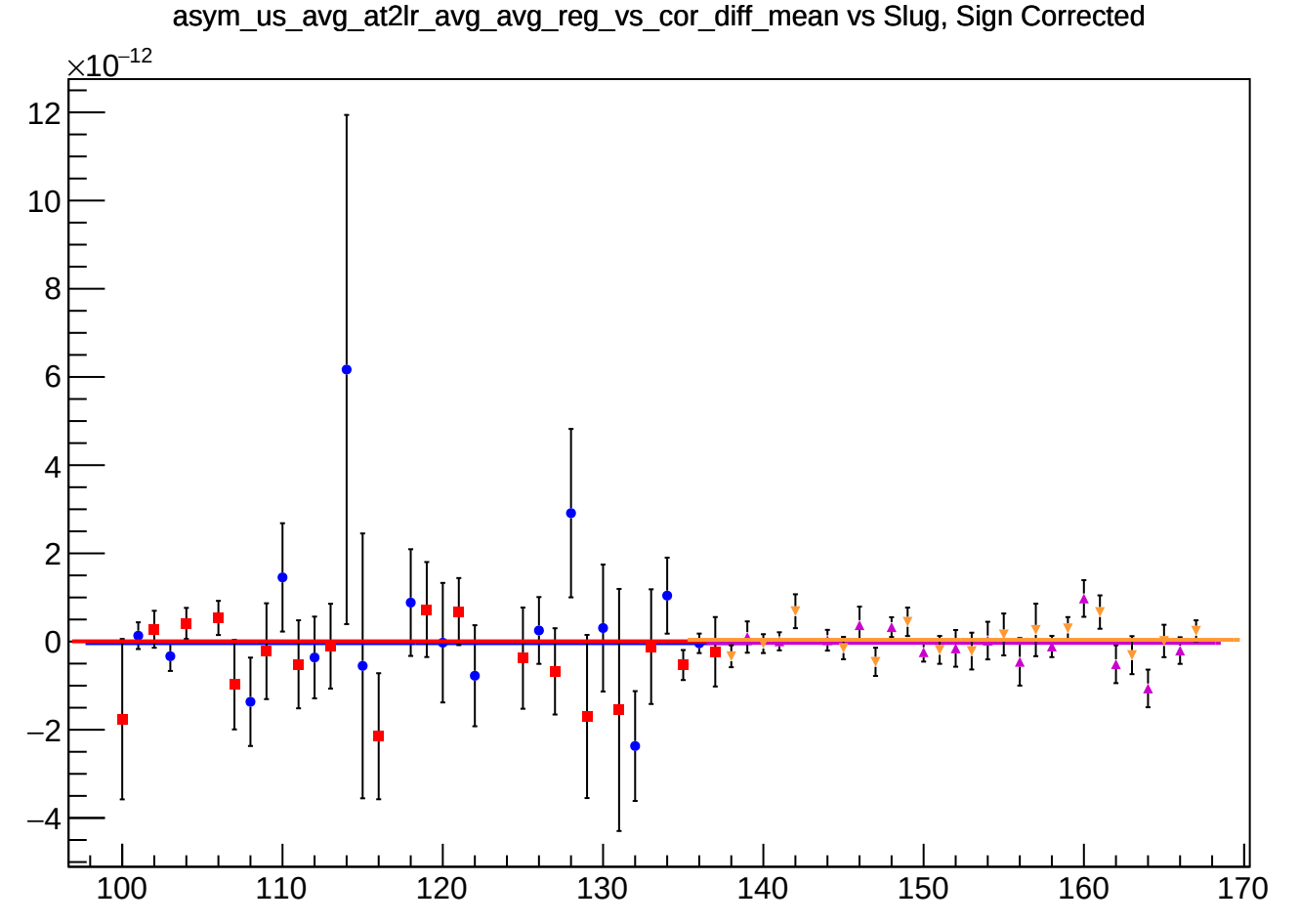
In: 9696.756+/-1.618 χ^2/NDF:1387704.7/29

Out: 9320.101+/-1.553 χ^2/NDF:1920864.5/32

All: 9500.731+/-1.120 χ^2/NDF: 3336771.7/62


asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: 7481.770+/-3330.915 χ²/NDF: 14.0/15
Left Out: 2421.129+/-3116.607 χ²/NDF:16.9/14
Right Out: 4338.165+/-3242.620 χ²/NDF: 14.3/17
Left In: 1986.217+/-3127.652 χ²/NDF:8.2/13
Left: 2204.442+/-2207.669 χ²/NDF: 25.1/28
Right: 5867.751+/-2323.467 χ²/NDF: 28.8/33
In: 4561.210+/-2280.058 χ²/NDF:23.7/29
Out: 3341.674+/-2247.002 χ²/NDF:31.4/32
All: 3942.538+/-1600.429 χ²/NDF: 55.2/62


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 8801.075+/-2.355 χ²/NDF: 394575.1/15
Left Out: 10508.977+/-2.204 χ²/NDF:590148.2/14
Right Out: 7527.803+/-2.128 χ²/NDF: 1657299.8/17
Left In: 10451.873+/-2.212 χ²/NDF:612958.2/13
Left: 10480.526+/-1.561 χ²/NDF: 1203441.0/28
Right: 8100.150+/-1.579 χ²/NDF: 2212756.1/33
In: 9678.366+/-1.612 χ²/NDF:1268599.8/29
Out: 8966.483+/-1.531 χ²/NDF:3194287.4/32
All: 9304.023+/-1.110 χ²/NDF: 4565410.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:18.8/13

Left: 0.000+/-0.000 χ^2/NDF: 35.3/28

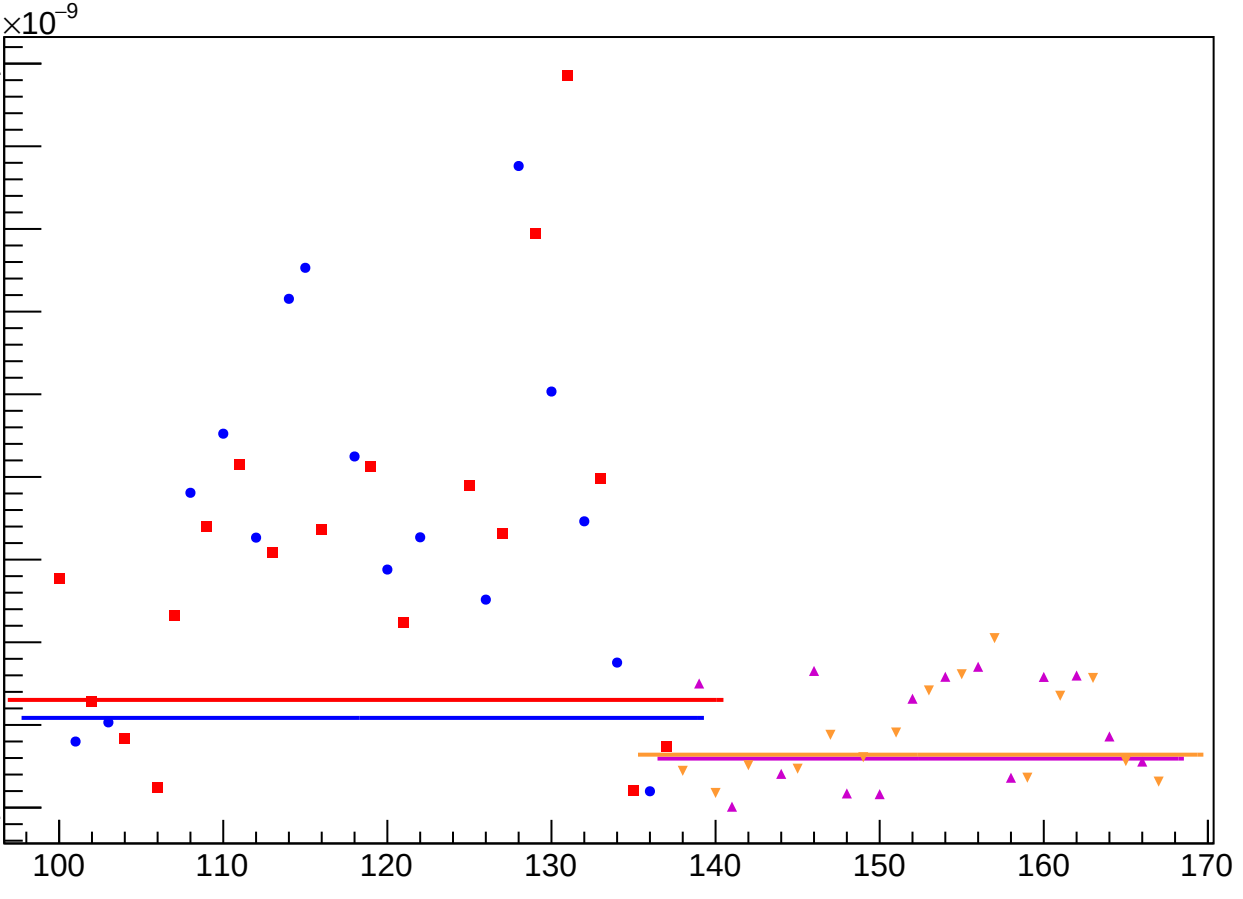
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:33.1/29

Out: 0.000+/-0.000 χ^2/NDF:29.9/32

All: -0.000+/-0.000 χ^2/NDF: 63.4/62

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:633586.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1084810.3/13

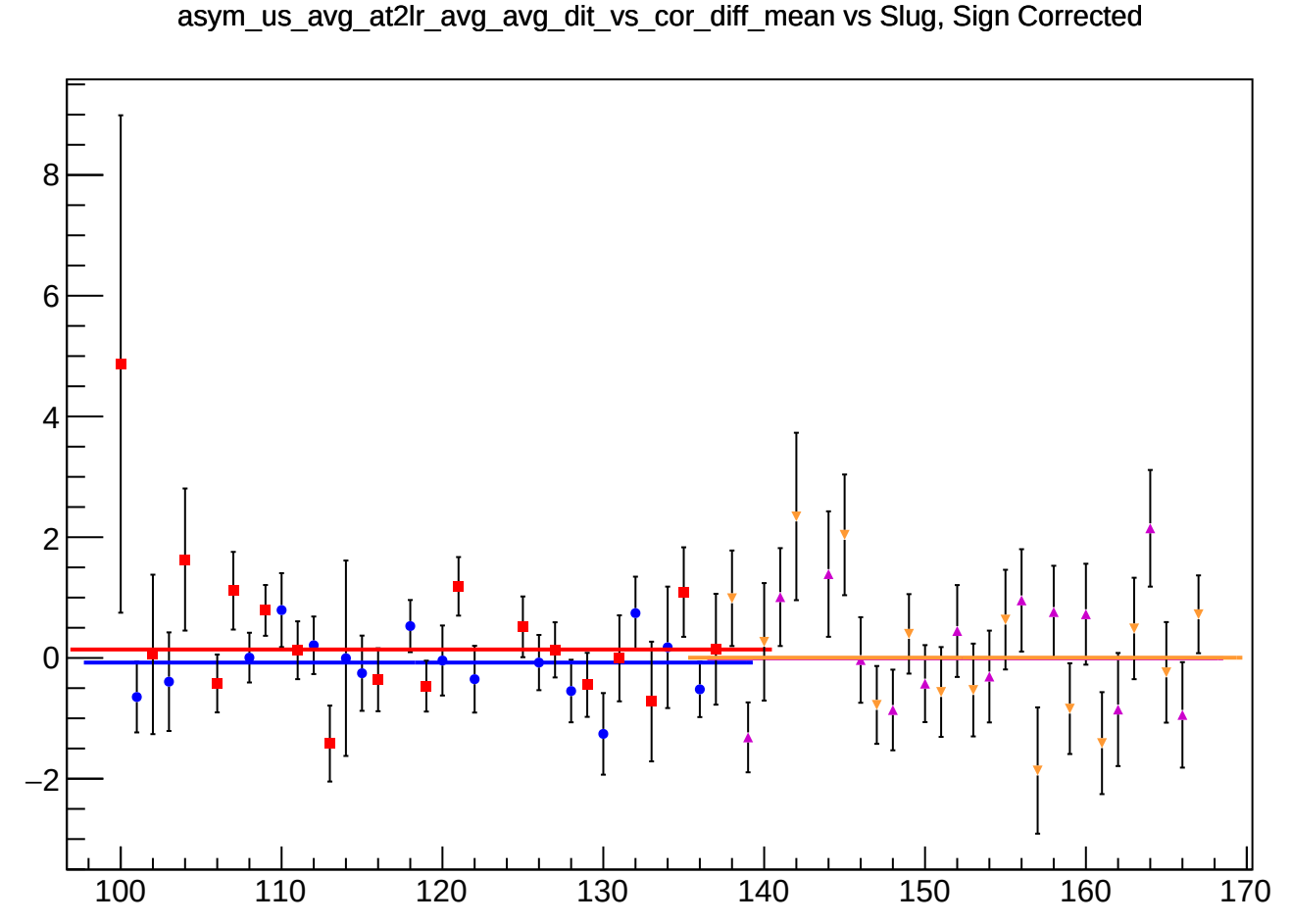
Left: 0.000+/-0.000 χ^2/NDF: 1721907.4/28

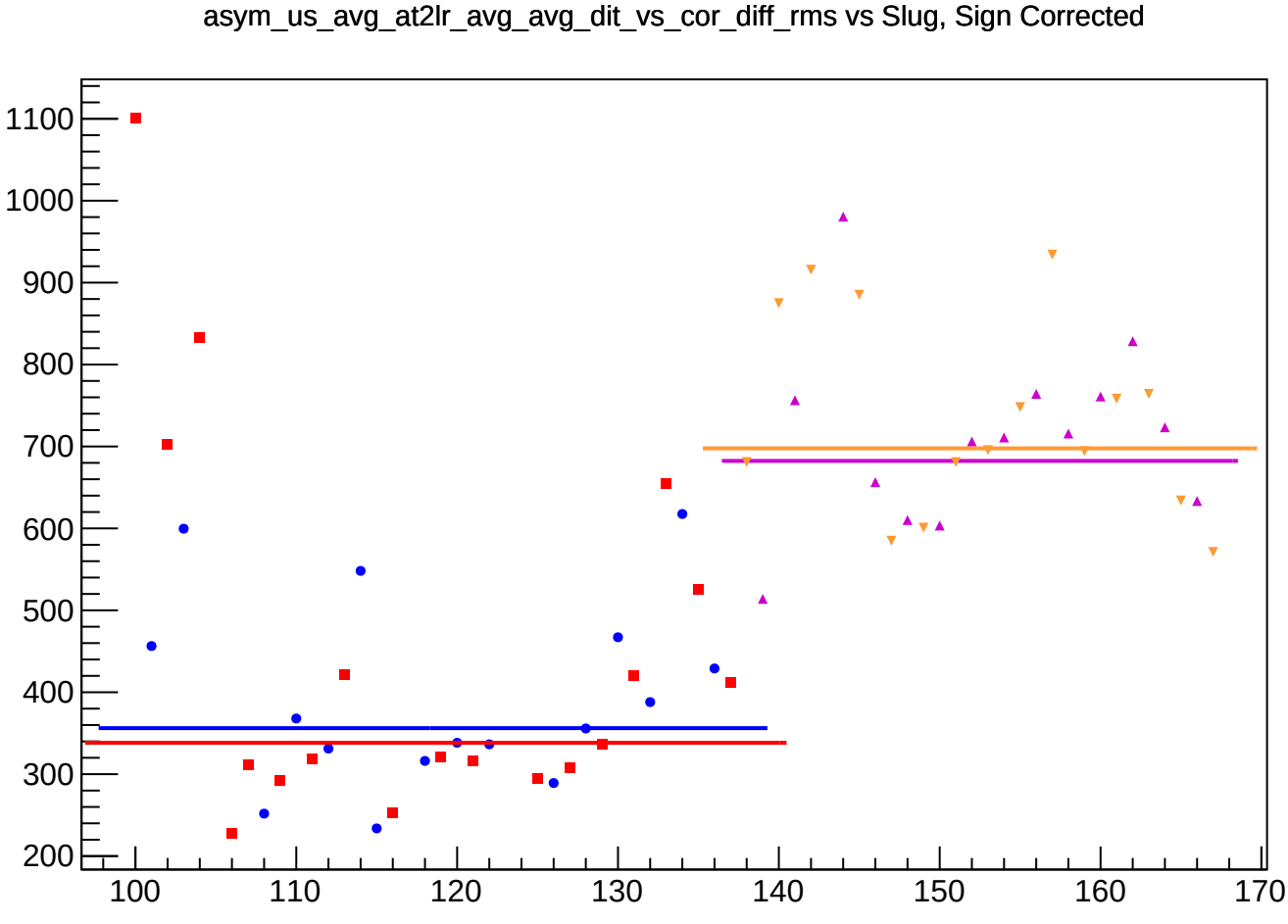
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2900110.6/29

Out: 0.000+/-0.000 χ^2/NDF:2478882.2/32

All: 0.000+/-0.000 χ^2/NDF: 5387869.9/62


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.004+/-0.208 χ²/NDF:21.0/14
Right Out: 0.140+/-0.138 χ²/NDF: 27.0/17
Left In: -0.006+/-0.206 χ²/NDF:21.1/13
Left: -0.001+/-0.146 χ²/NDF: 42.1/28
Right: 0.033+/-0.098 χ²/NDF: 40.7/33
In: -0.054+/-0.116 χ²/NDF:33.6/29
Out: 0.099+/-0.115 χ²/NDF:48.3/32
All: 0.023+/-0.082 χ²/NDF: 82.8/62



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 697.696+/-0.147 χ^2/NDF:513908.1/14

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 682.398+/-0.145 χ^2/NDF:510573.4/13

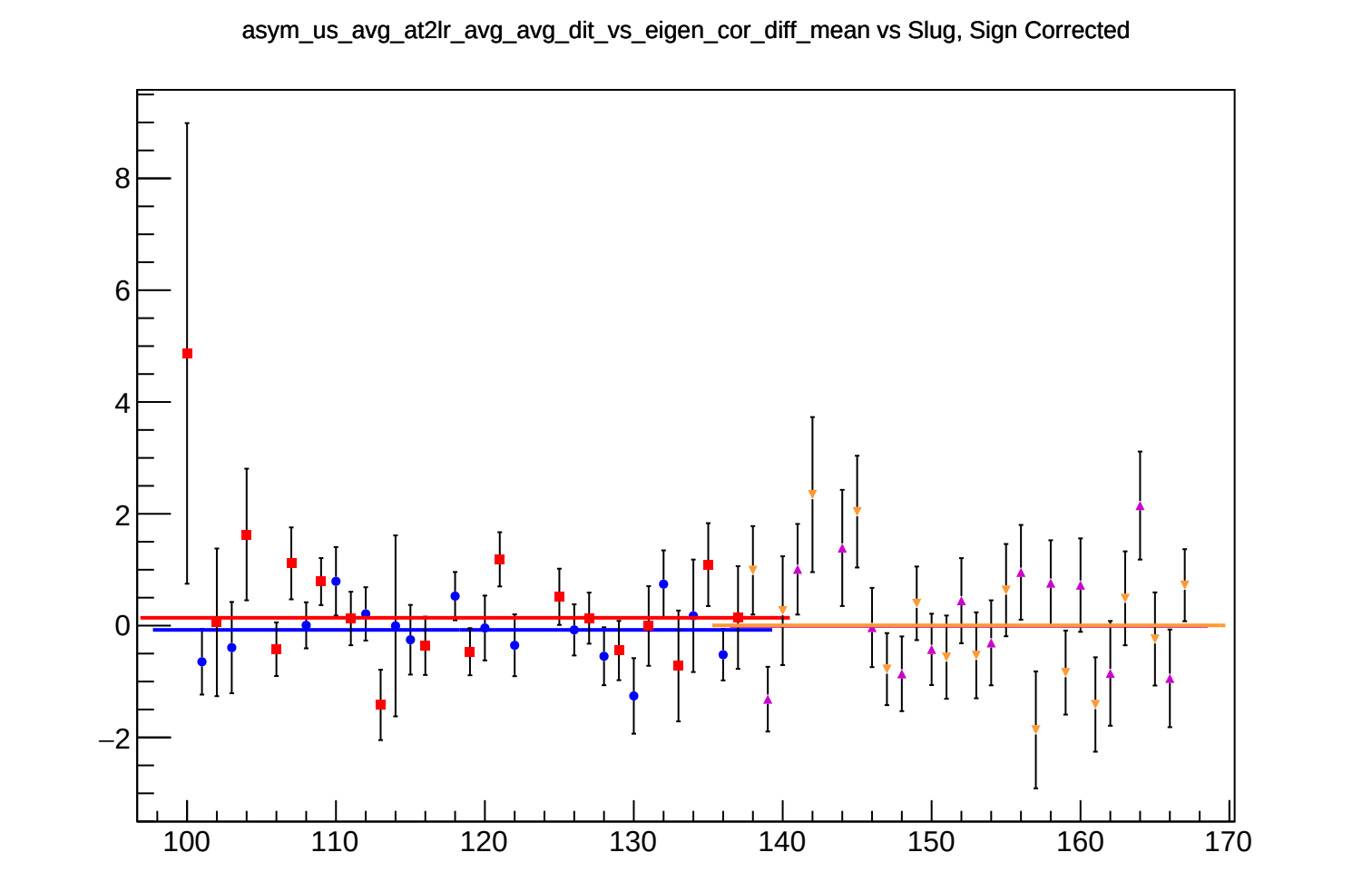
Left: 689.980+/-0.103 χ^2/NDF: 1029961.9/28

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 459.332+/-0.082 χ^2/NDF:4733790.7/29

Out: 448.511+/-0.081 χ^2/NDF:5873264.2/32

All: 453.885+/-0.058 χ^2/NDF: 10615862.3/62



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.004+/-0.208 χ^2/NDF:21.0/14

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.006+/-0.206 χ^2/NDF:21.1/13

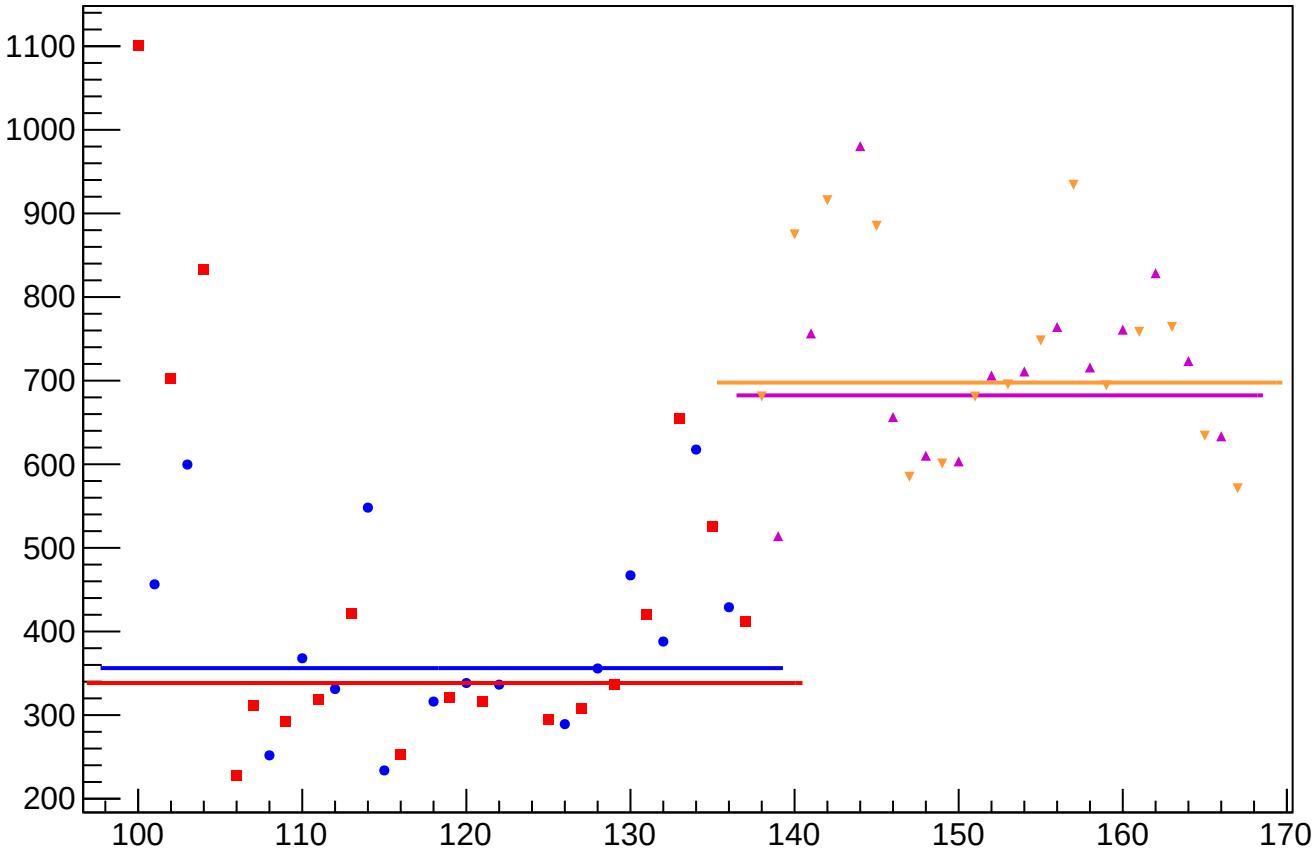
Left: -0.001+/-0.146 χ^2/NDF: 42.1/28

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.054+/-0.116 χ^2/NDF:33.6/29

Out: 0.099+/-0.115 χ^2/NDF:48.3/32

All: 0.023+/-0.082 χ^2/NDF: 82.8/62



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 697.696+/-0.147 χ^2/NDF:513908.1/14

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 682.398+/-0.145 χ^2/NDF:510573.4/13

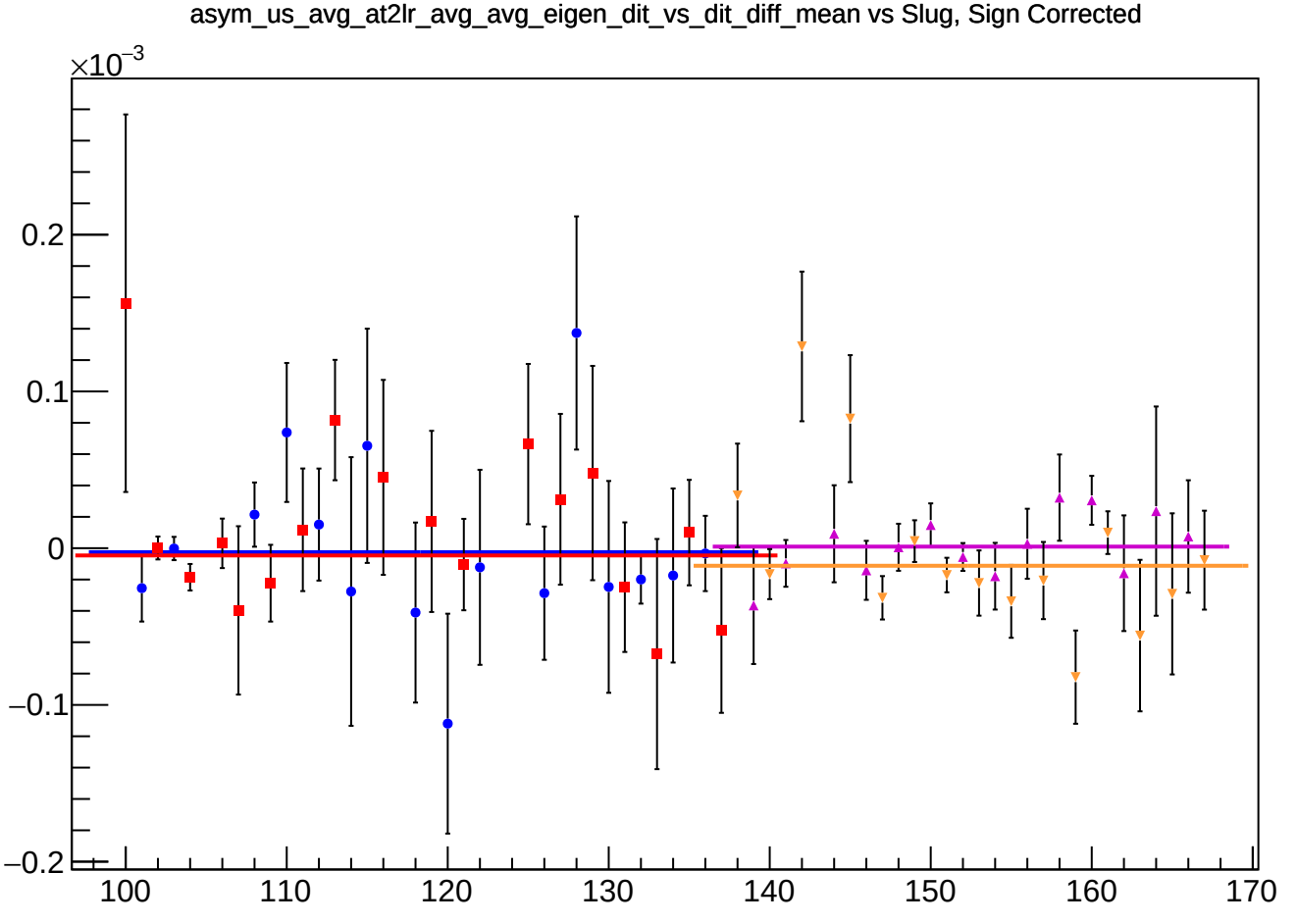
Left: 689.980+/-0.103 χ^2/NDF: 1029961.9/28

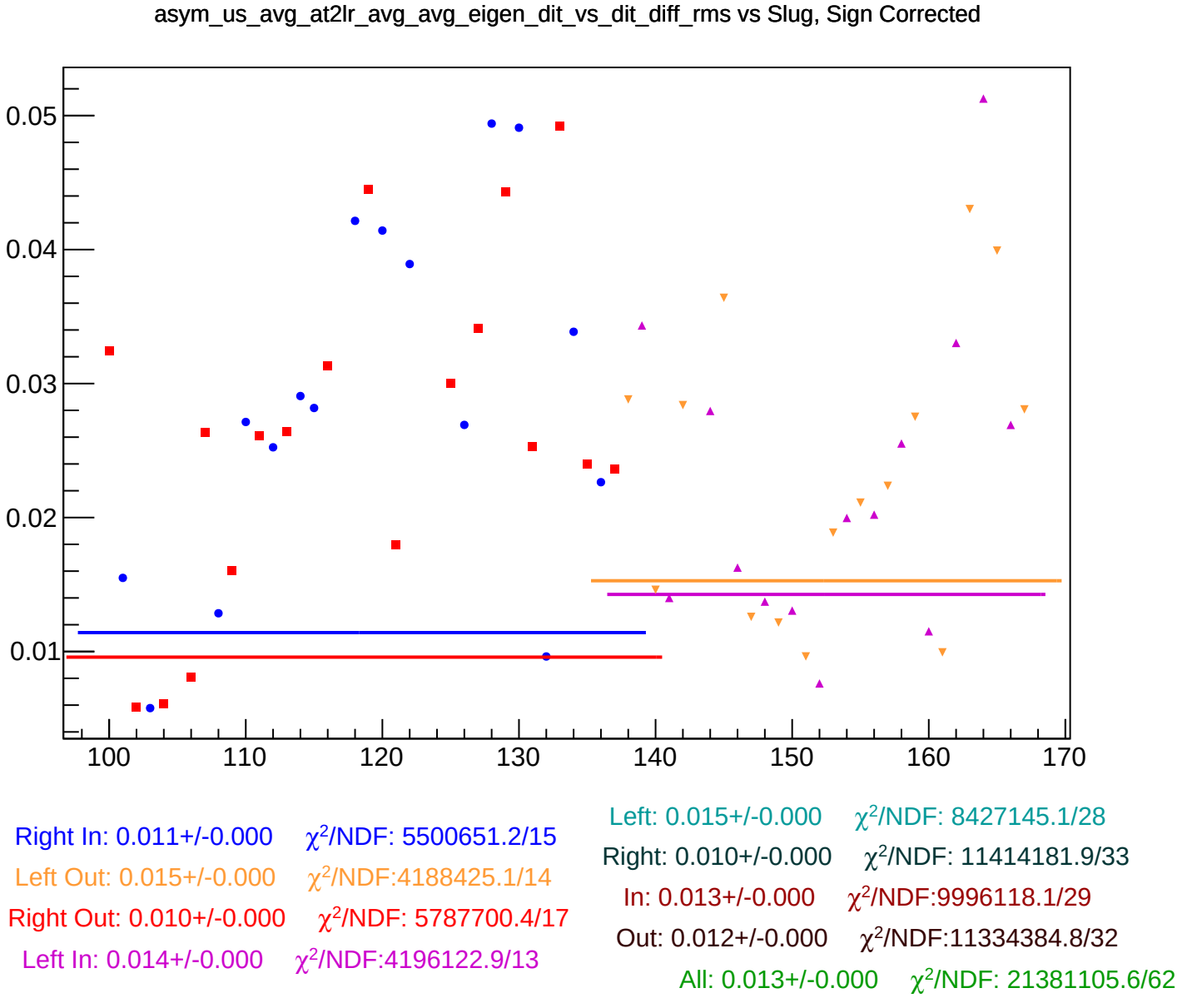
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

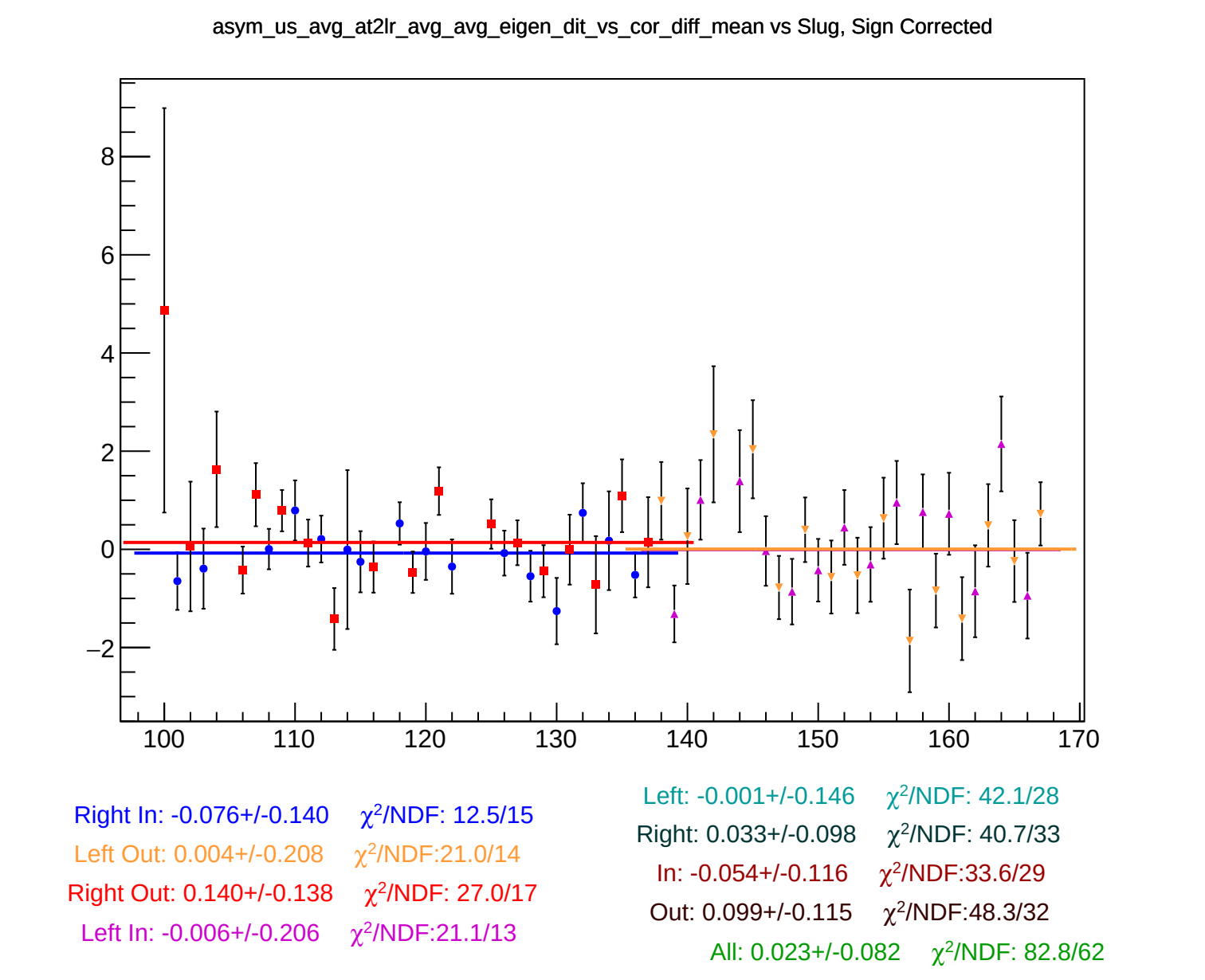
In: 459.332+/-0.082 χ^2/NDF:4733790.7/29

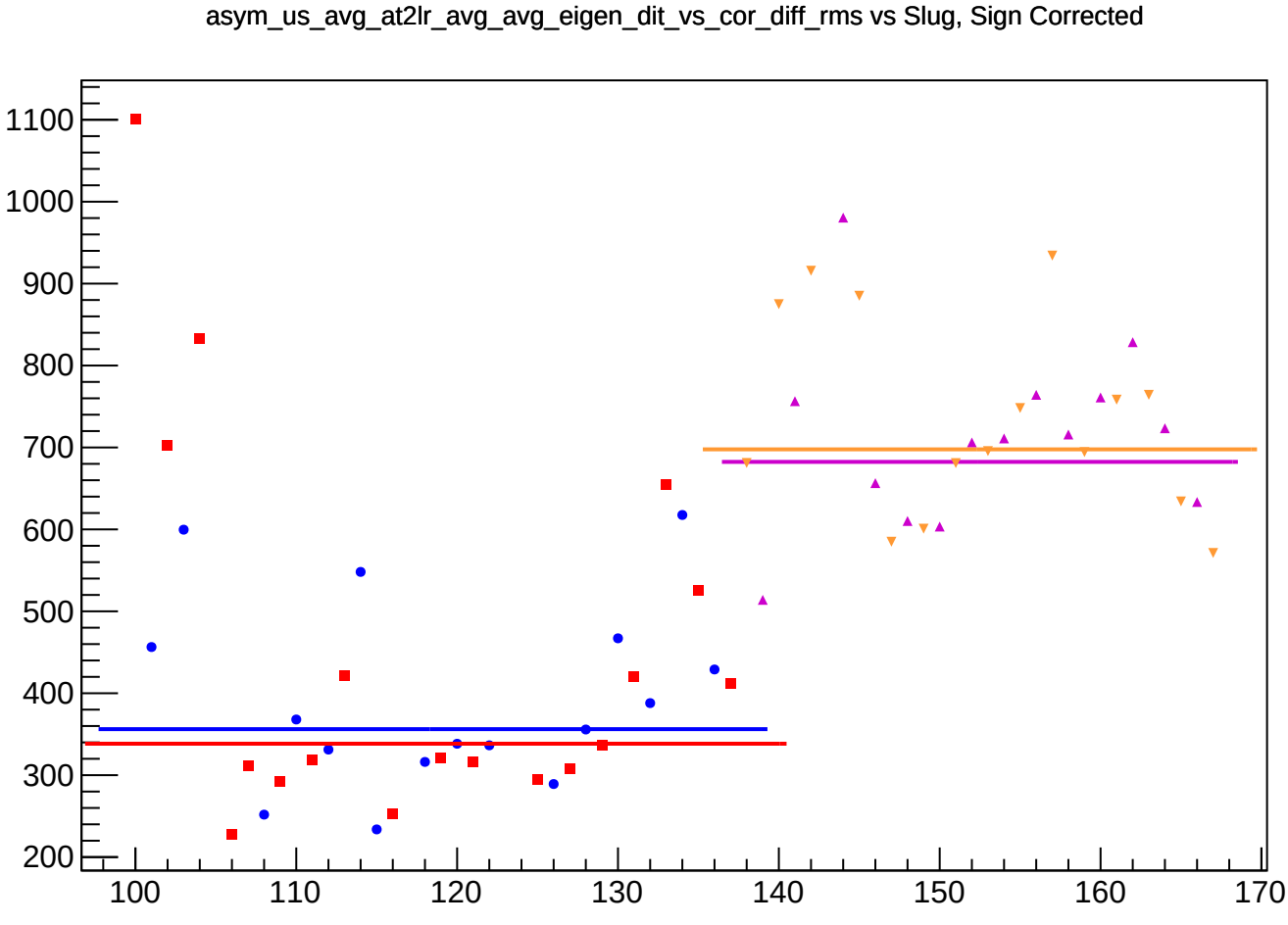
Out: 448.511+/-0.081 χ^2/NDF:5873264.2/32

All: 453.885+/-0.058 χ^2/NDF: 10615862.3/62

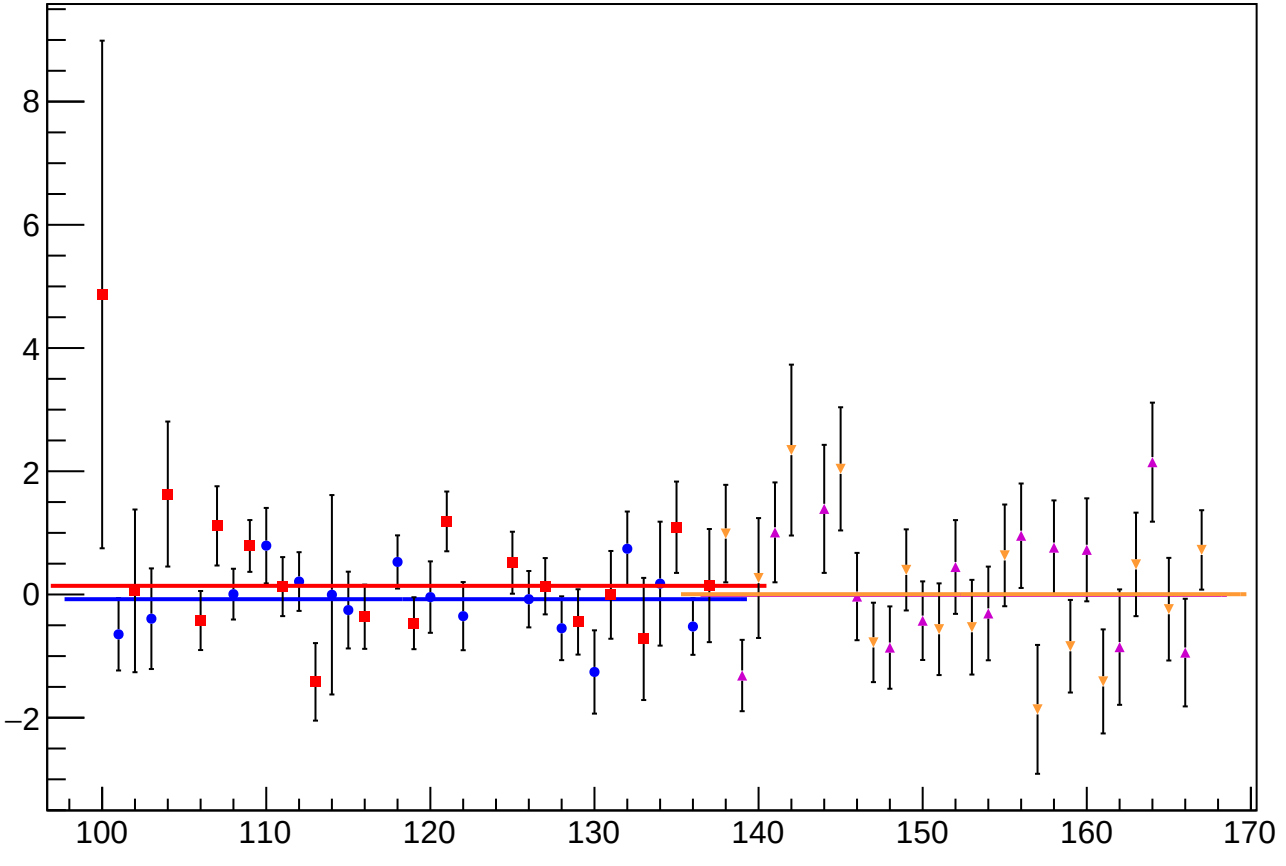

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:30.3/14
Right Out: -0.000+/-0.000 χ²/NDF: 17.1/17
Left In: 0.000+/-0.000 χ²/NDF:9.8/13
Left: -0.000+/-0.000 χ²/NDF: 43.1/28
Right: -0.000+/-0.000 χ²/NDF: 32.2/33
In: -0.000+/-0.000 χ²/NDF:25.1/29
Out: -0.000+/-0.000 χ²/NDF:48.3/32
All: -0.000+/-0.000 χ²/NDF: 75.4/62


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.015+/-0.000 χ²/NDF:4188425.1/14
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.014+/-0.000 χ²/NDF:4196122.9/13
Left: 0.015+/-0.000 χ²/NDF: 8427145.1/28
Right: 0.010+/-0.000 χ²/NDF: 11414181.9/33
In: 0.013+/-0.000 χ²/NDF:9996118.1/29
Out: 0.012+/-0.000 χ²/NDF:11334384.8/32
All: 0.013+/-0.000 χ²/NDF: 21381105.6/62


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.004+/-0.208 χ²/NDF:21.0/14
Right Out: 0.140+/-0.138 χ²/NDF: 27.0/17
Left In: -0.006+/-0.206 χ²/NDF:21.1/13
Left: -0.001+/-0.146 χ²/NDF: 42.1/28
Right: 0.033+/-0.098 χ²/NDF: 40.7/33
In: -0.054+/-0.116 χ²/NDF:33.6/29
Out: 0.099+/-0.115 χ²/NDF:48.3/32
All: 0.023+/-0.082 χ²/NDF: 82.8/62


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 697.707+/-0.147 χ²/NDF:513922.0/14
Right Out: 338.408+/-0.098 χ²/NDF: 1203260.7/17
Left In: 682.409+/-0.145 χ²/NDF:510571.6/13
Left: 689.990+/-0.103 χ²/NDF: 1029973.7/28
Right: 347.175+/-0.069 χ²/NDF: 2004710.0/33
In: 459.331+/-0.082 χ²/NDF:4733950.7/29
Out: 448.510+/-0.081 χ²/NDF:5873481.5/32
All: 453.884+/-0.058 χ²/NDF: 10616241.4/62

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.004+/-0.208 χ^2/NDF:21.0/14

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.006+/-0.206 χ^2/NDF:21.1/13

Left: -0.001+/-0.146 χ^2/NDF: 42.1/28

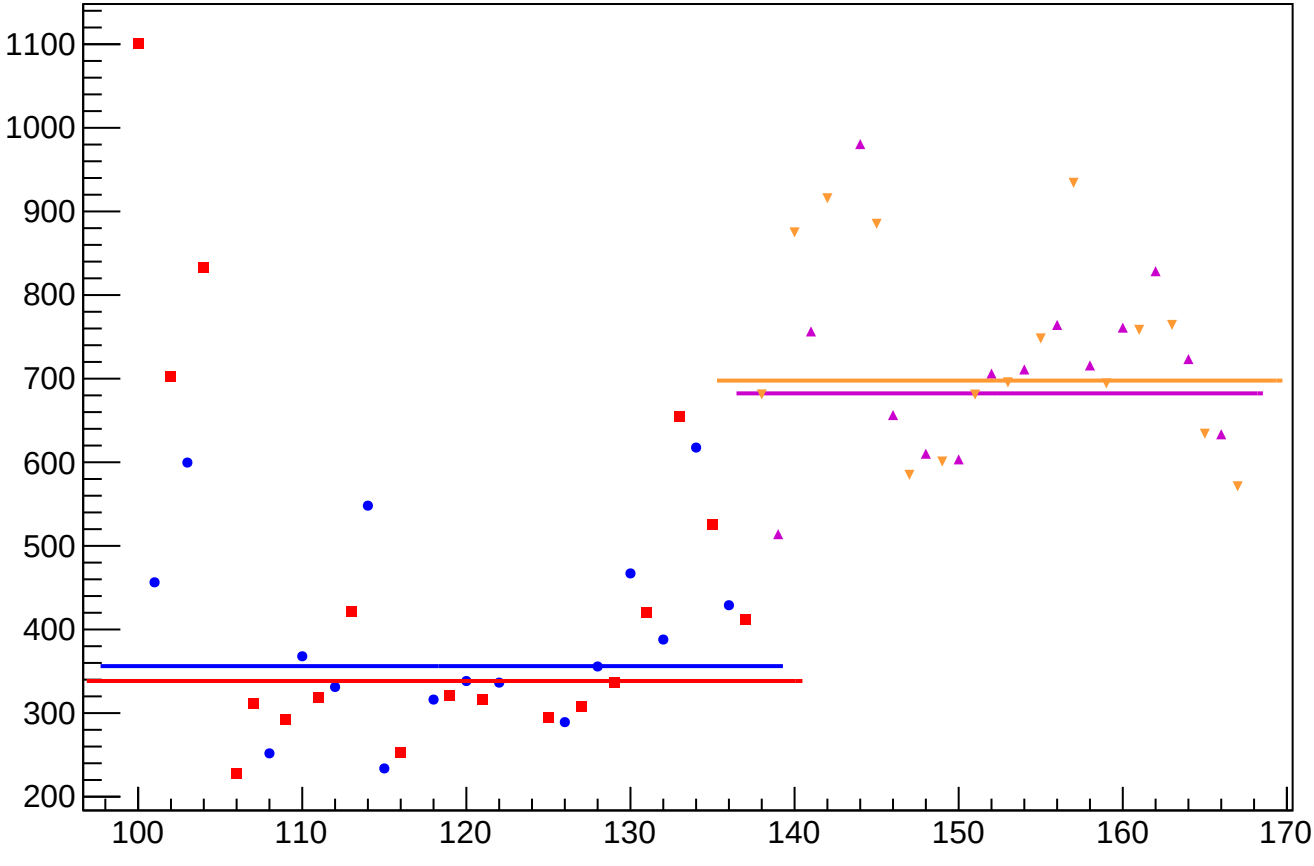
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.054+/-0.116 χ^2/NDF:33.6/29

Out: 0.099+/-0.115 χ^2/NDF:48.3/32

All: 0.023+/-0.082 χ^2/NDF: 82.8/62

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 697.707+/-0.147 χ^2/NDF:513922.0/14

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 682.409+/-0.145 χ^2/NDF:510571.6/13

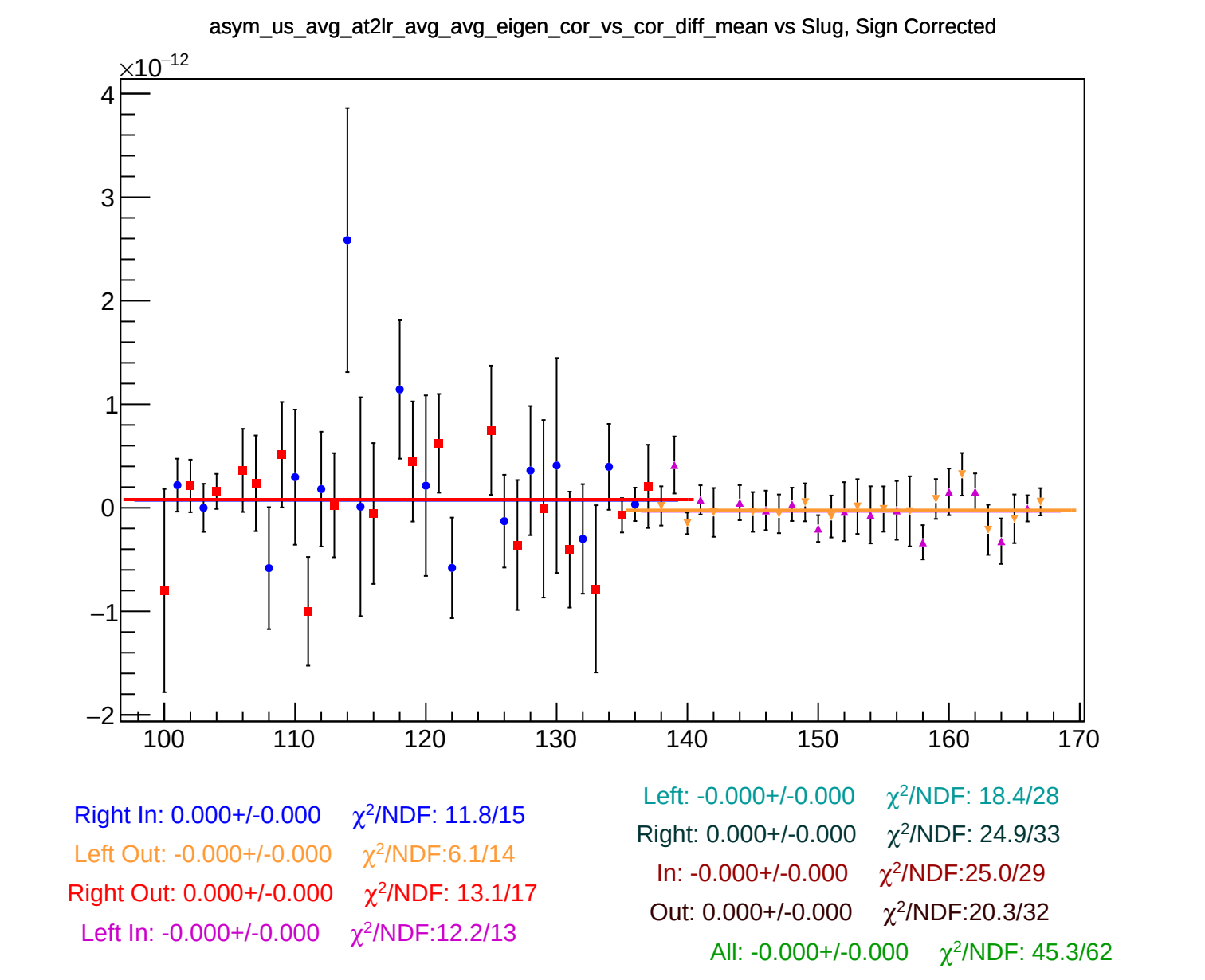
Left: 689.990+/-0.103 χ^2/NDF: 1029973.7/28

Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

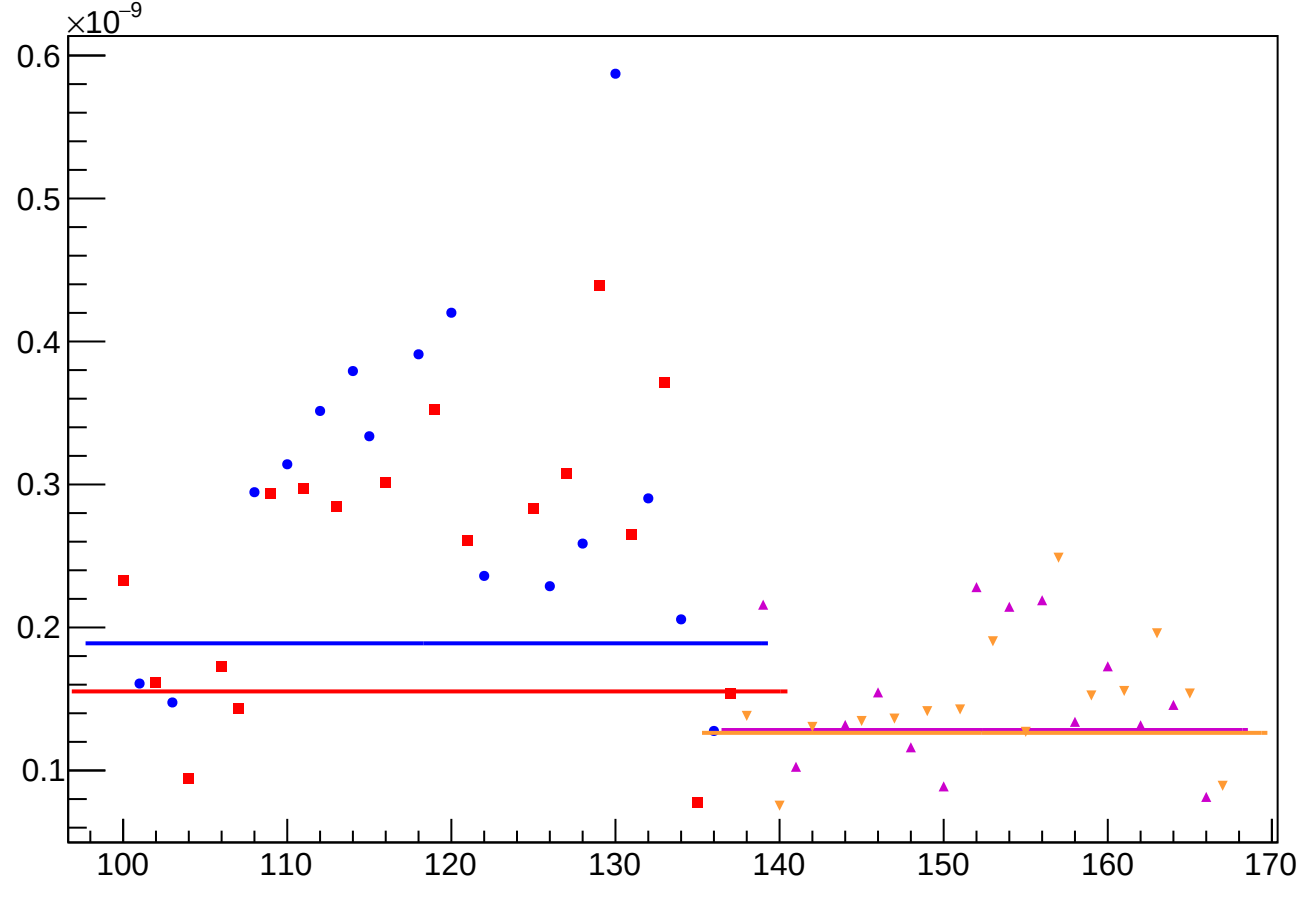
In: 459.331+/-0.082 χ^2/NDF:4733950.7/29

Out: 448.510+/-0.081 χ^2/NDF:5873481.5/32

All: 453.884+/-0.058 χ^2/NDF: 10616241.4/62


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:6.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 13.1/17
Left In: -0.000+/-0.000 χ²/NDF:12.2/13
Left: -0.000+/-0.000 χ²/NDF: 18.4/28
Right: 0.000+/-0.000 χ²/NDF: 24.9/33
In: -0.000+/-0.000 χ²/NDF:25.0/29
Out: 0.000+/-0.000 χ²/NDF:20.3/32
All: -0.000+/-0.000 χ²/NDF: 45.3/62

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1331503.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1518146.7/13

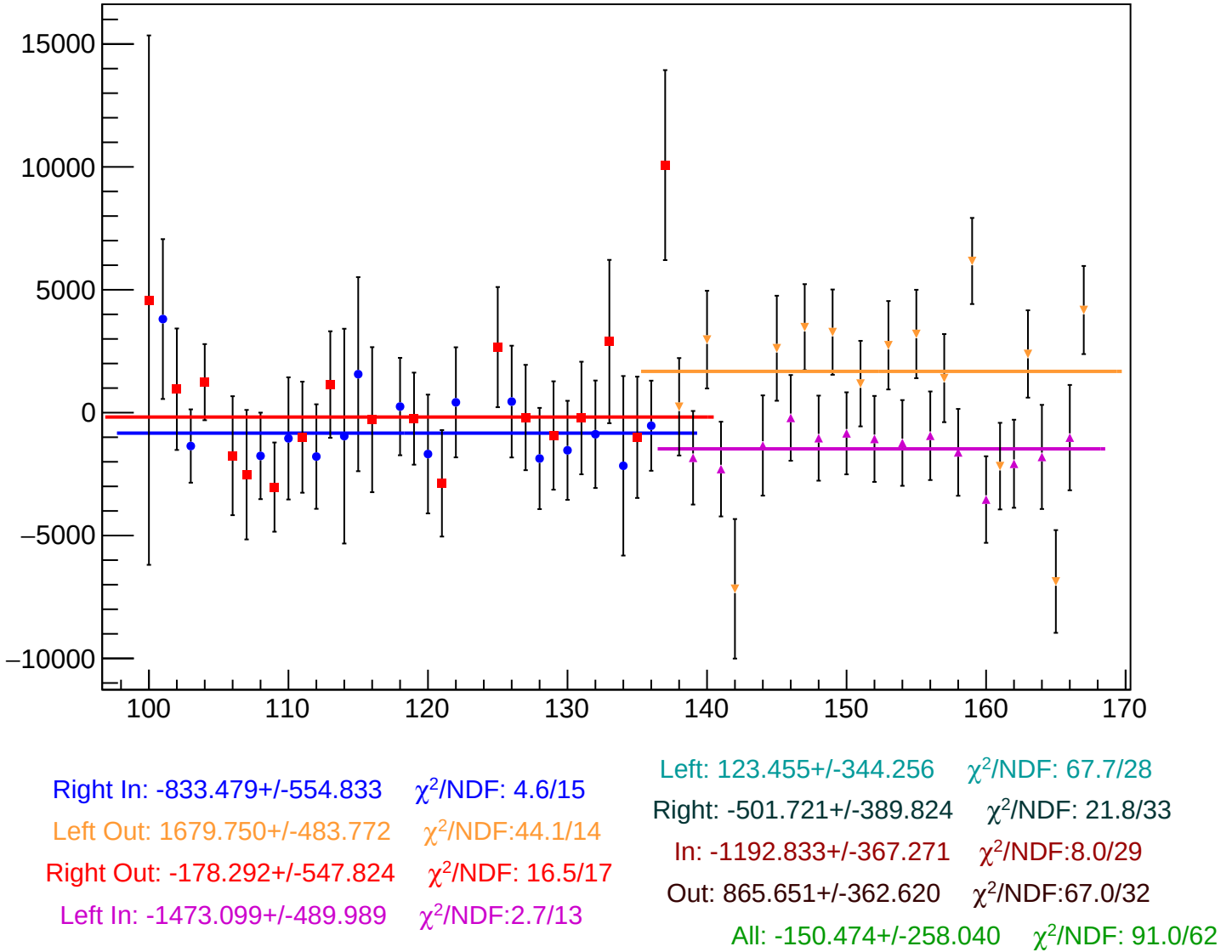
Left: 0.000+/-0.000 χ^2/NDF: 2851356.3/28

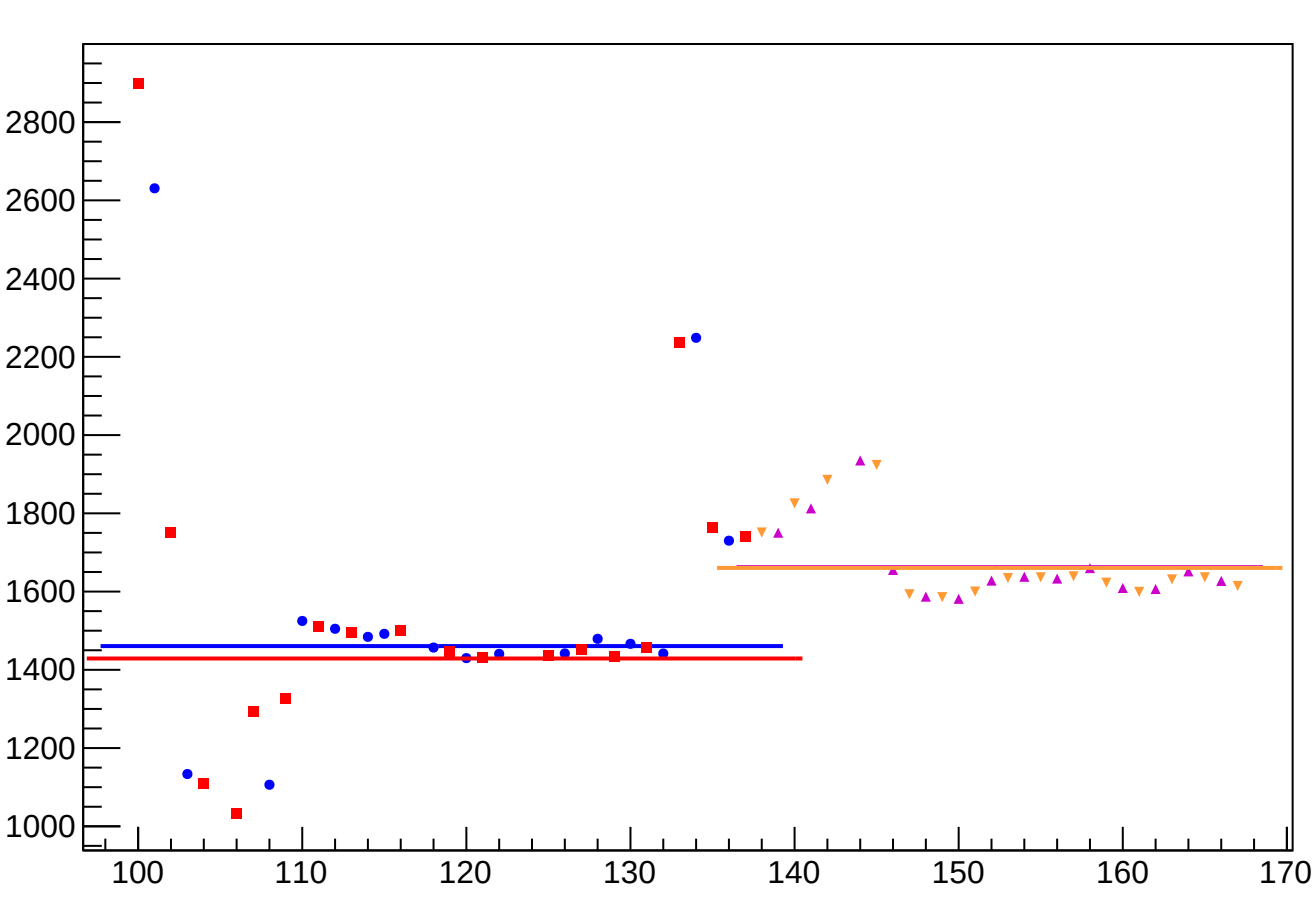
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3672785.2/29

Out: 0.000+/-0.000 χ^2/NDF:3707056.3/32

All: 0.000+/-0.000 χ^2/NDF: 7407937.2/62


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1679.750+/-483.772 χ²/NDF:44.1/14
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1473.099+/-489.989 χ²/NDF:2.7/13
Left: 123.455+/-344.256 χ²/NDF: 67.7/28
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1192.833+/-367.271 χ²/NDF:8.0/29
Out: 865.651+/-362.620 χ²/NDF:67.0/32
All: -150.474+/-258.040 χ²/NDF: 91.0/62



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1660.545+/-0.342 χ^2/NDF:76469.8/14

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1662.487+/-0.346 χ^2/NDF:66784.8/13

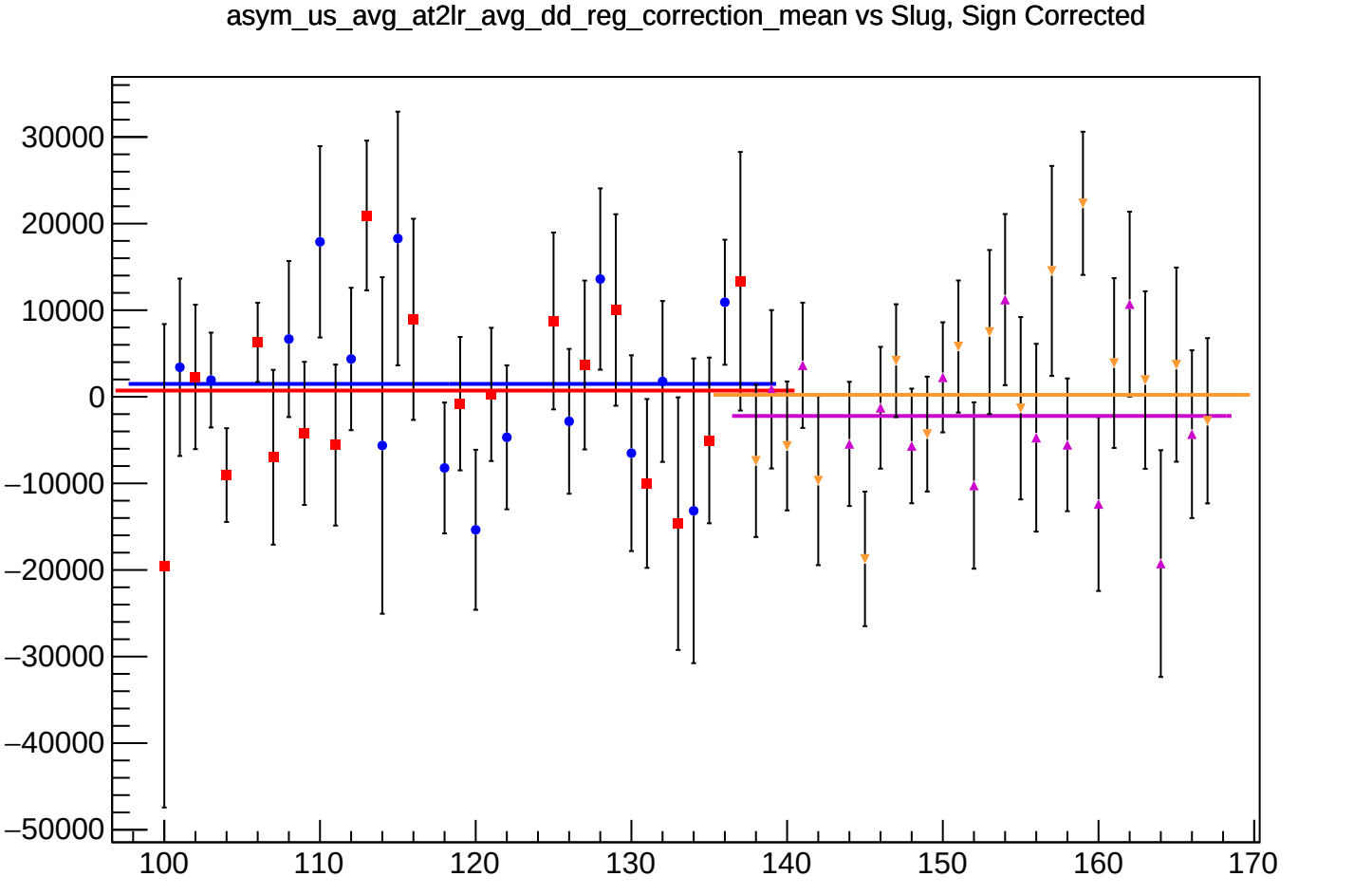
Left: 1661.503+/-0.243 χ^2/NDF: 143270.5/28

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1574.048+/-0.260 χ^2/NDF:791214.2/29

Out: 1558.222+/-0.256 χ^2/NDF:690265.4/32

All: 1566.008+/-0.182 χ^2/NDF: 1483366.2/62



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 227.166+/-2225.307 χ^2/NDF:19.2/14

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -2216.620+/-2235.685 χ^2/NDF:8.8/13

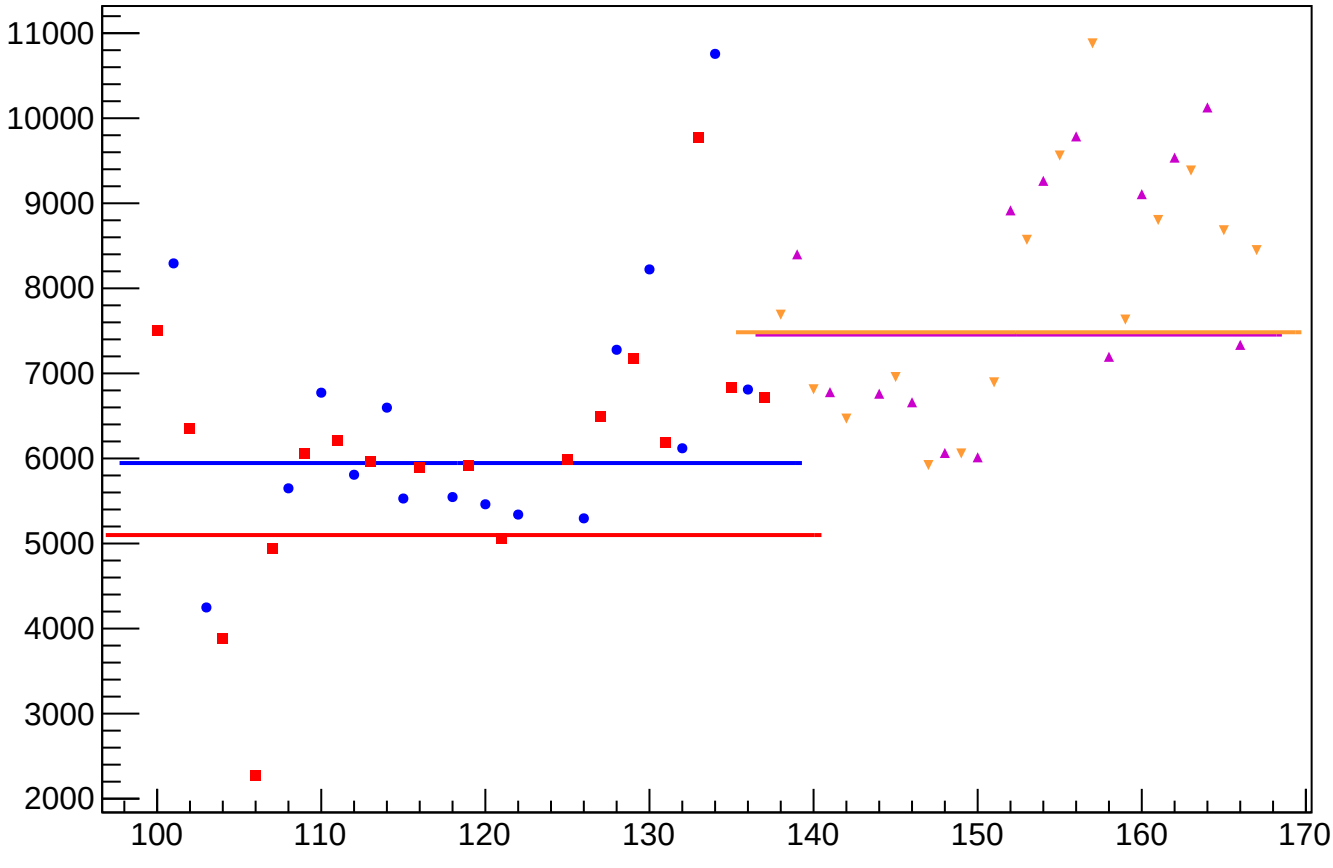
Left: -989.042+/-1577.186 χ^2/NDF: 28.6/28

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: -391.190+/-1592.180 χ^2/NDF:24.3/29

Out: 498.474+/-1492.248 χ^2/NDF:36.8/32

All: 82.436+/-1088.794 χ^2/NDF: 61.3/62



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7483.711+/-1.574 χ^2/NDF:677296.1/14

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7456.225+/-1.581 χ^2/NDF:696040.4/13

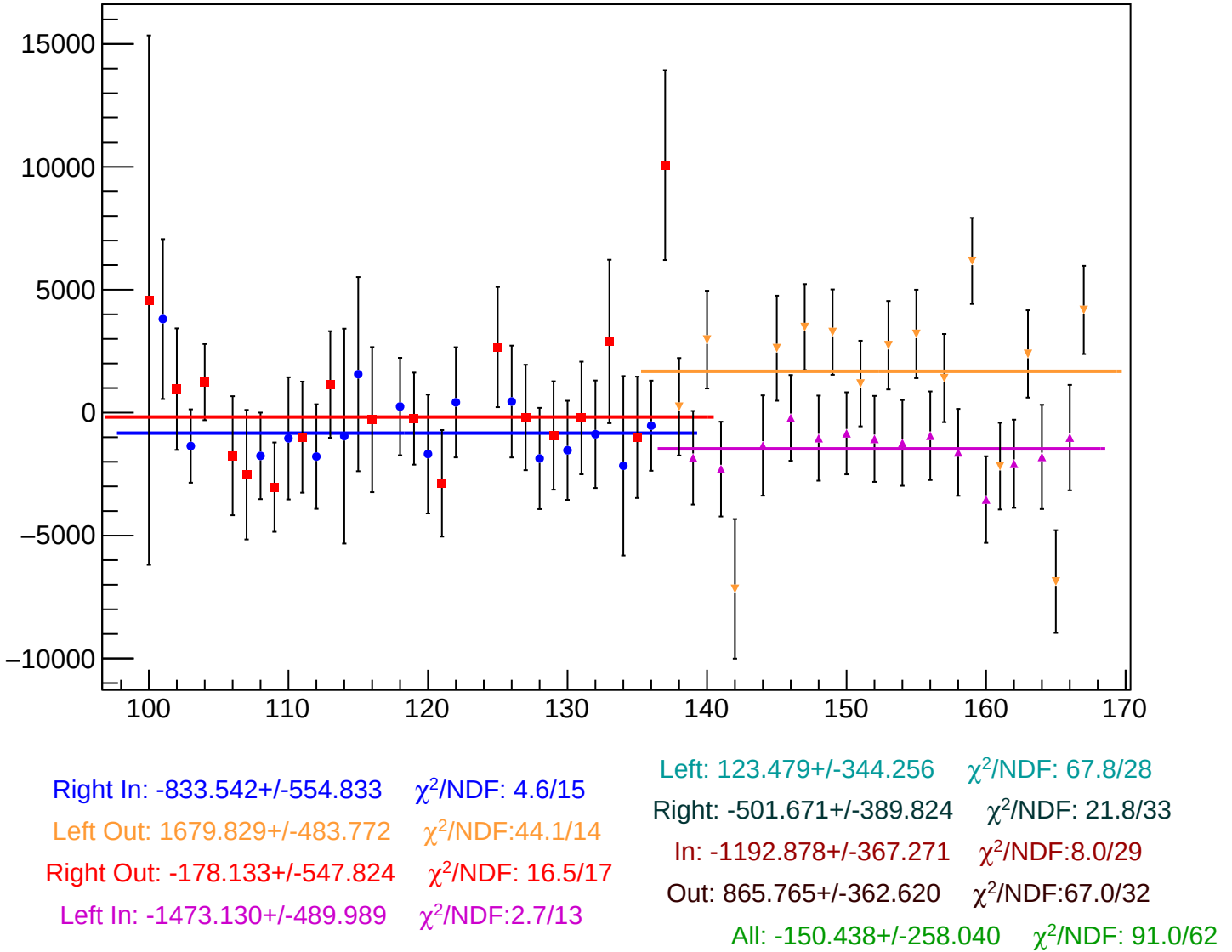
Left: 7470.032+/-1.115 χ^2/NDF: 1373488.3/28

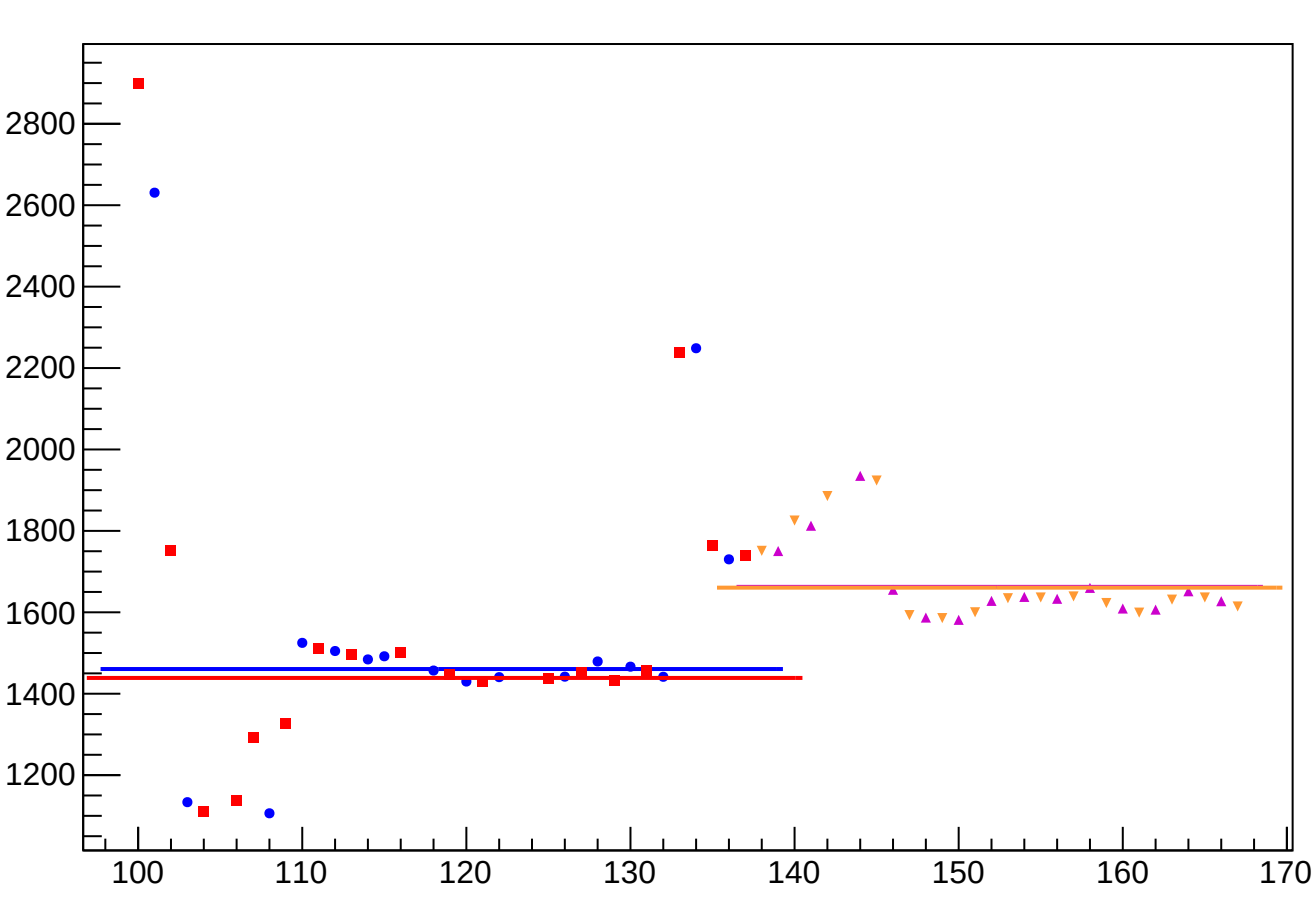
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6711.997+/-1.126 χ^2/NDF:1786882.9/29

Out: 6171.559+/-1.055 χ^2/NDF:3421240.7/32

All: 6424.287+/-0.770 χ^2/NDF: 5330795.8/62


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1679.829+/-483.772 χ²/NDF:44.1/14
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1473.130+/-489.989 χ²/NDF:2.7/13
Left: 123.479+/-344.256 χ²/NDF: 67.8/28
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1192.878+/-367.271 χ²/NDF:8.0/29
Out: 865.765+/-362.620 χ²/NDF:67.0/32
All: -150.438+/-258.040 χ²/NDF: 91.0/62



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1660.545+/-0.342 χ^2/NDF:76469.8/14

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1662.487+/-0.346 χ^2/NDF:66784.8/13

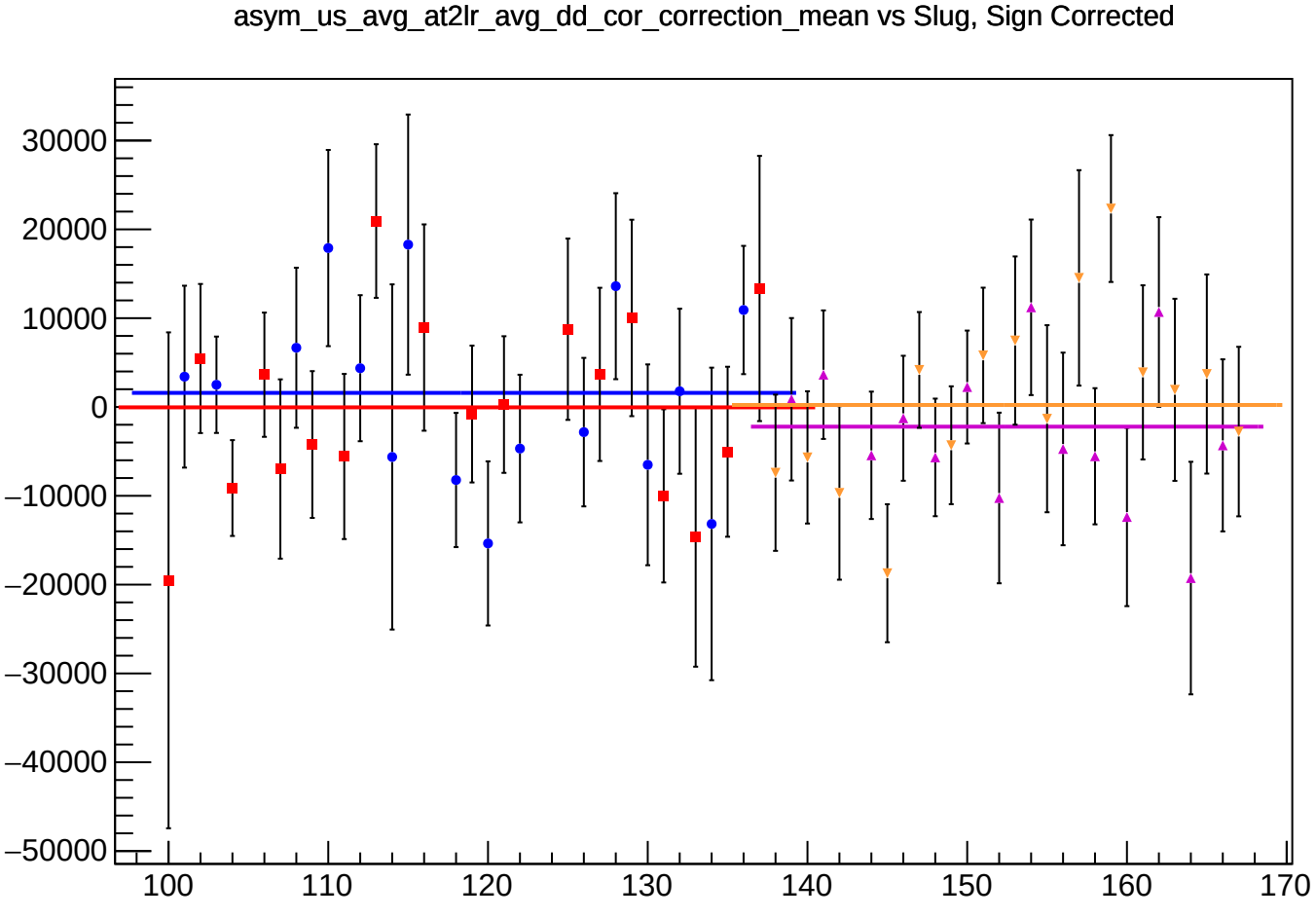
Left: 1661.503+/-0.243 χ^2/NDF: 143270.5/28

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1574.048+/-0.260 χ^2/NDF:791214.7/29

Out: 1563.122+/-0.256 χ^2/NDF:634488.7/32

All: 1568.510+/-0.182 χ^2/NDF: 1426600.6/62



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 227.178+/-2225.306 χ^2/NDF:19.2/14

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -2216.676+/-2235.684 χ^2/NDF:8.8/13

Left: -989.064+/-1577.185 χ^2/NDF: 28.6/28

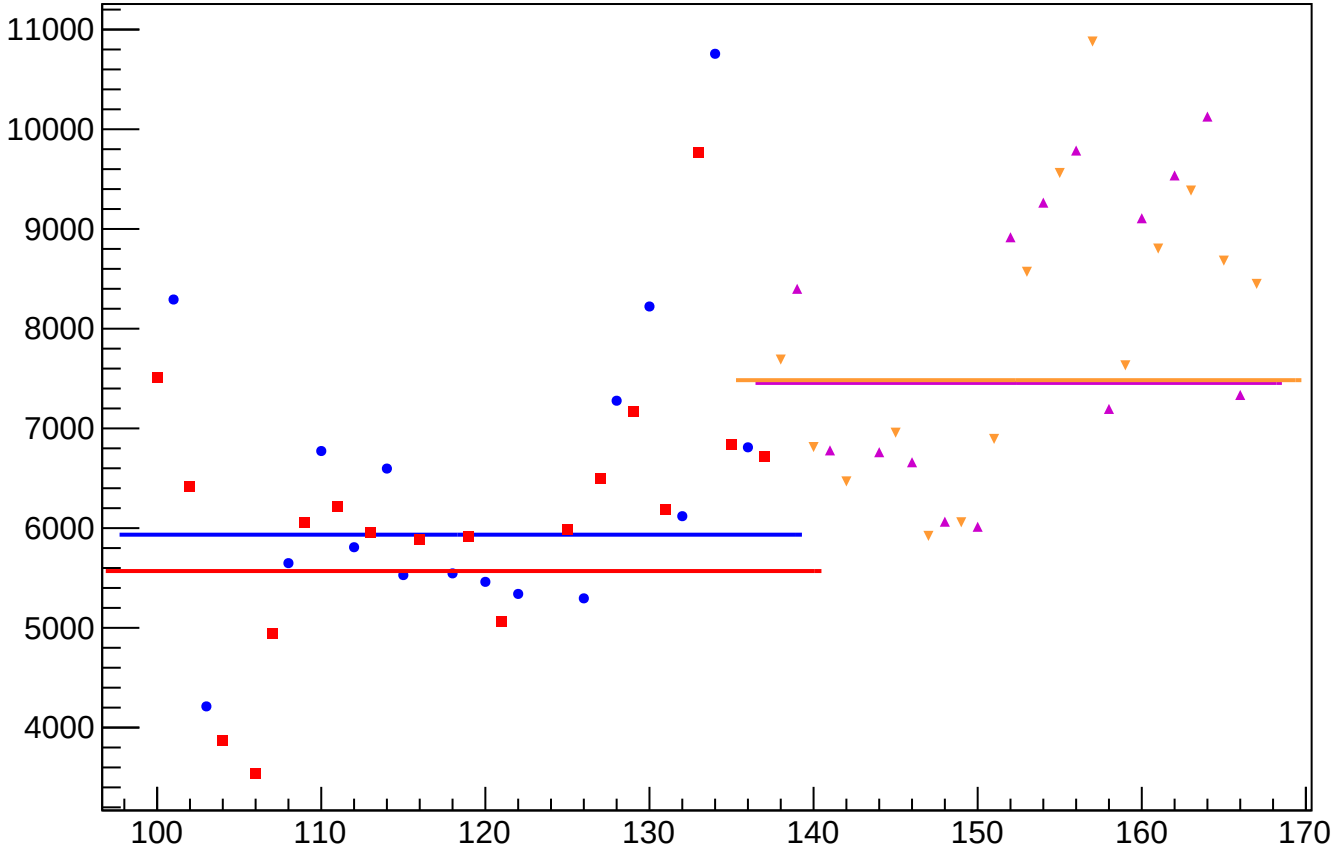
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: -338.175+/-1590.874 χ^2/NDF:24.4/29

Out: 87.600+/-1539.872 χ^2/NDF:35.7/32

All: -118.353+/-1106.445 χ^2/NDF: 60.2/62

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7483.709+/-1.574 χ^2/NDF:677297.3/14

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7456.219+/-1.581 χ^2/NDF:696043.0/13

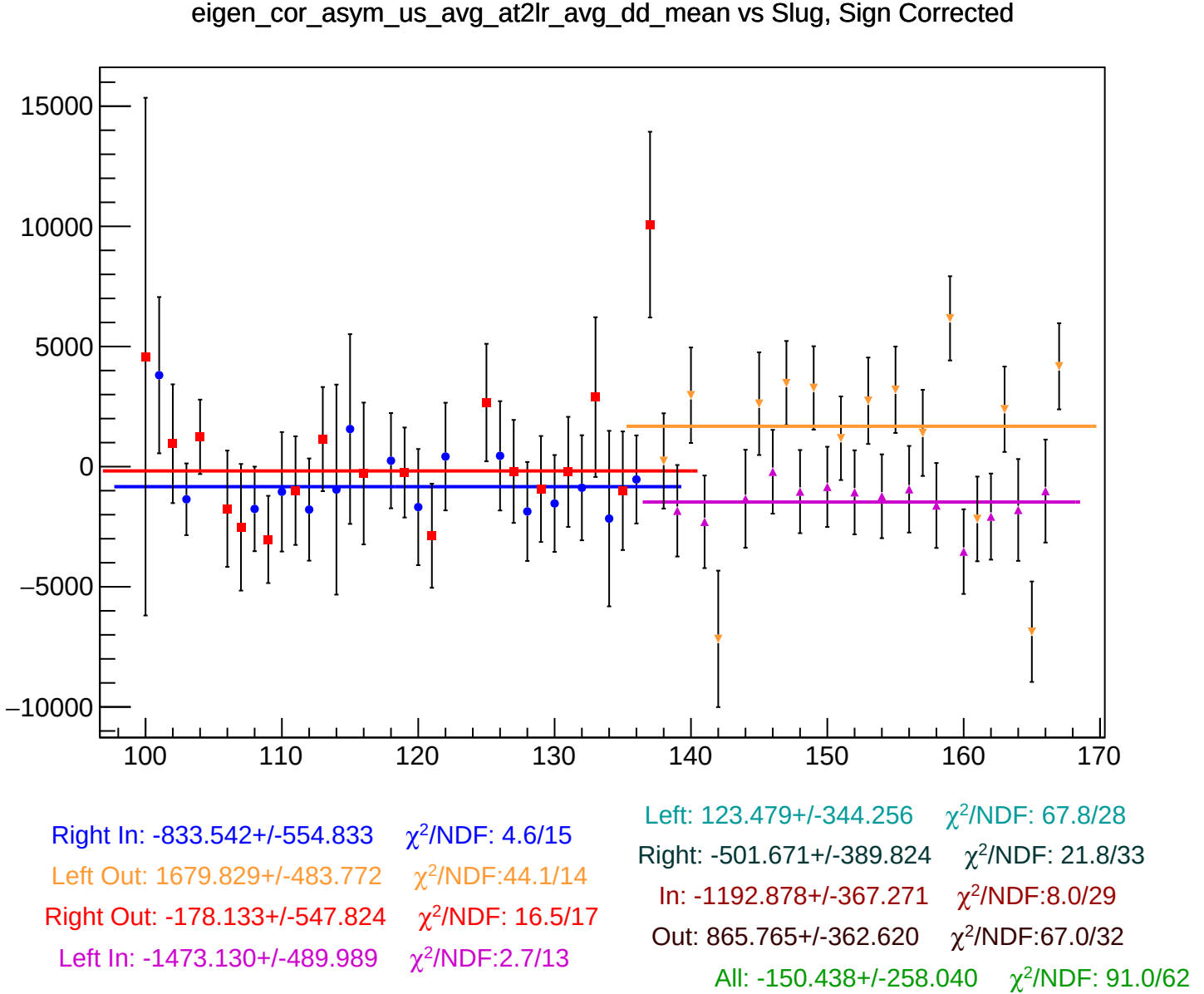
Left: 7470.028+/-1.115 χ^2/NDF: 1373492.2/28

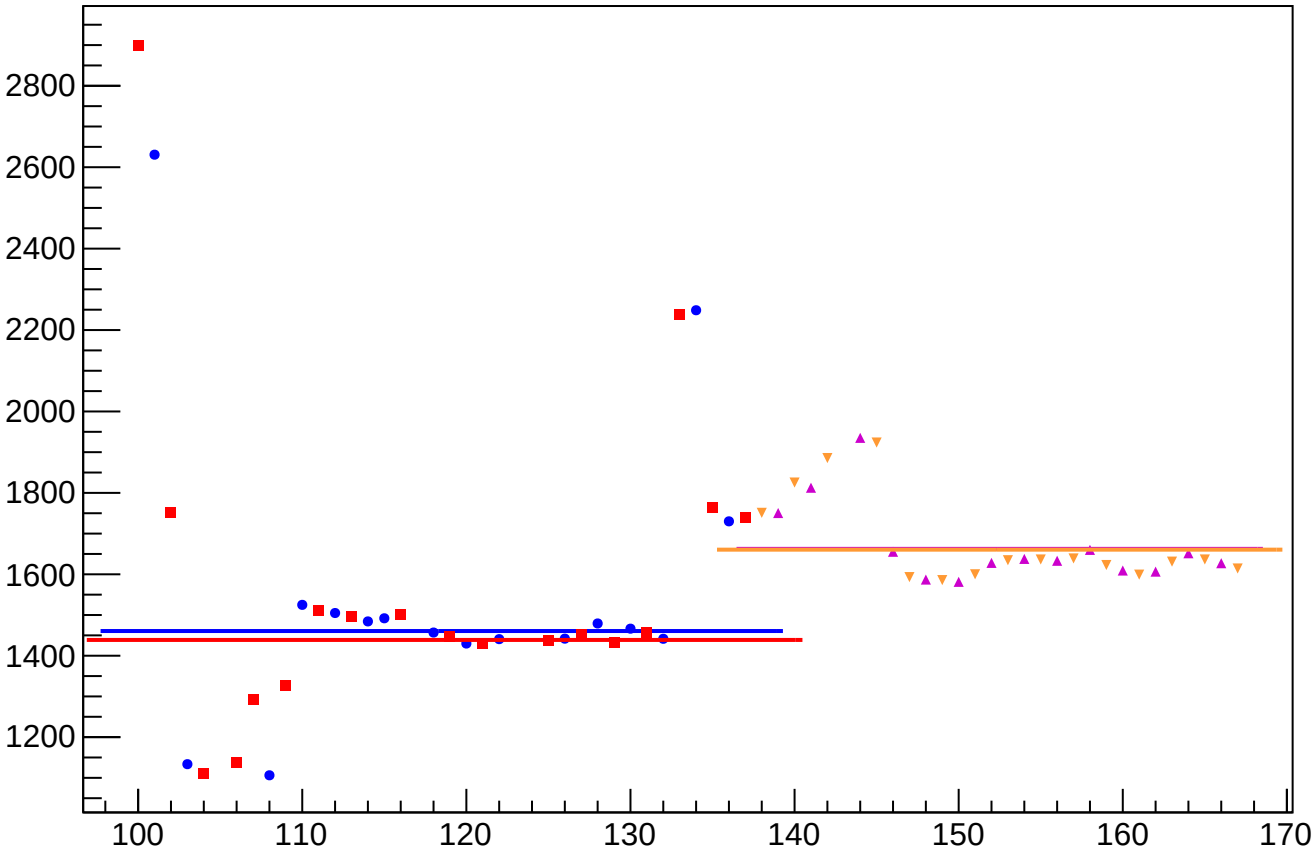
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6704.879+/-1.125 χ^2/NDF:1806702.1/29

Out: 6486.153+/-1.089 χ^2/NDF:2172520.7/32

All: 6591.954+/-0.782 χ^2/NDF: 3998741.3/62


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1679.829+/-483.772 χ²/NDF:44.1/14
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1473.130+/-489.989 χ²/NDF:2.7/13
Left: 123.479+/-344.256 χ²/NDF: 67.8/28
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1192.878+/-367.271 χ²/NDF:8.0/29
Out: 865.765+/-362.620 χ²/NDF:67.0/32
All: -150.438+/-258.040 χ²/NDF: 91.0/62



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1660.545+/-0.342 χ^2/NDF:76469.8/14

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1662.487+/-0.346 χ^2/NDF:66784.8/13

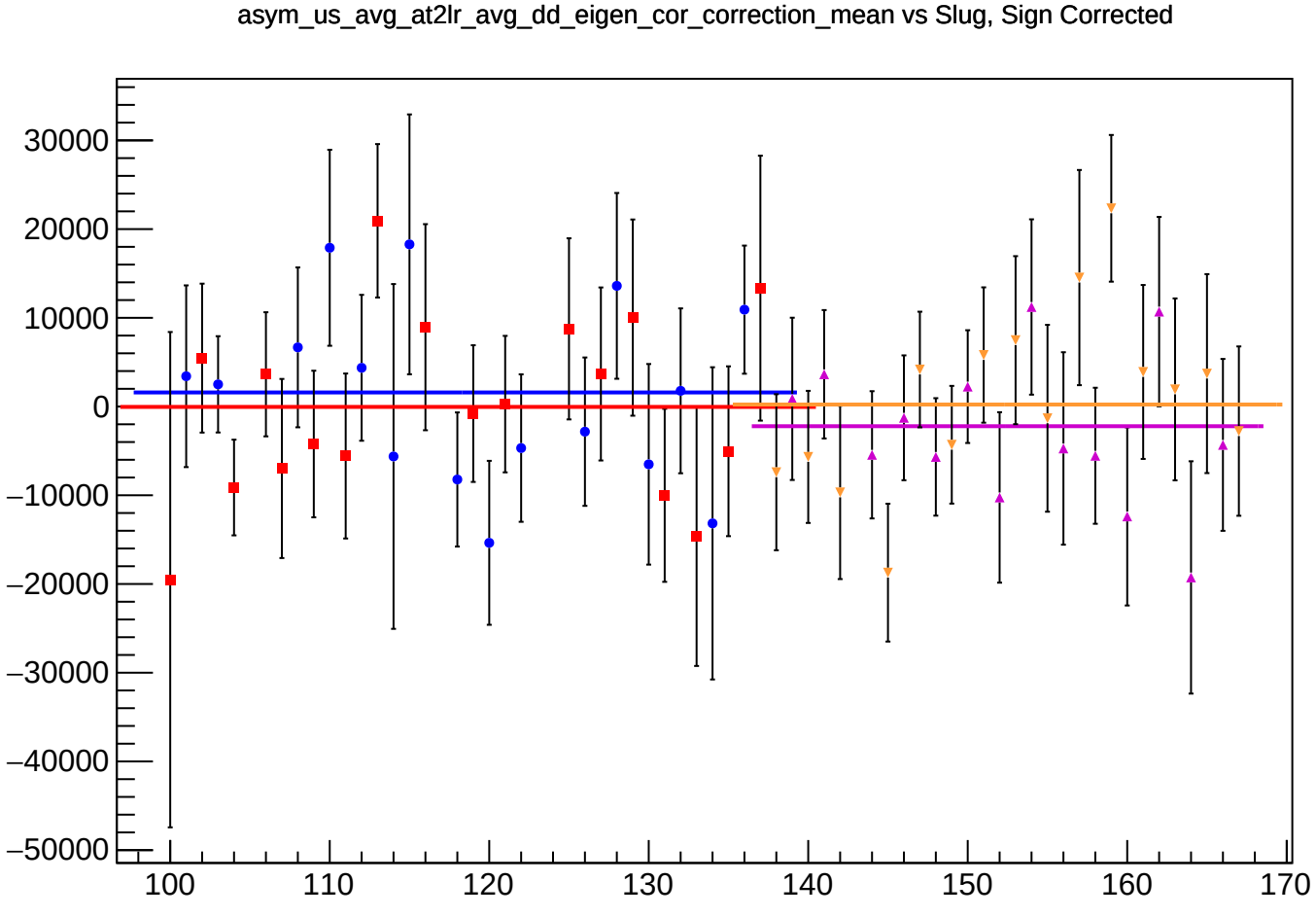
Left: 1661.503+/-0.243 χ^2/NDF: 143270.5/28

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1574.048+/-0.260 χ^2/NDF:791214.7/29

Out: 1563.122+/-0.256 χ^2/NDF:634488.7/32

All: 1568.510+/-0.182 χ^2/NDF: 1426600.6/62



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 227.178+/-2225.306 χ^2/NDF:19.2/14

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -2216.676+/-2235.684 χ^2/NDF:8.8/13

Left: -989.064+/-1577.185 χ^2/NDF: 28.6/28

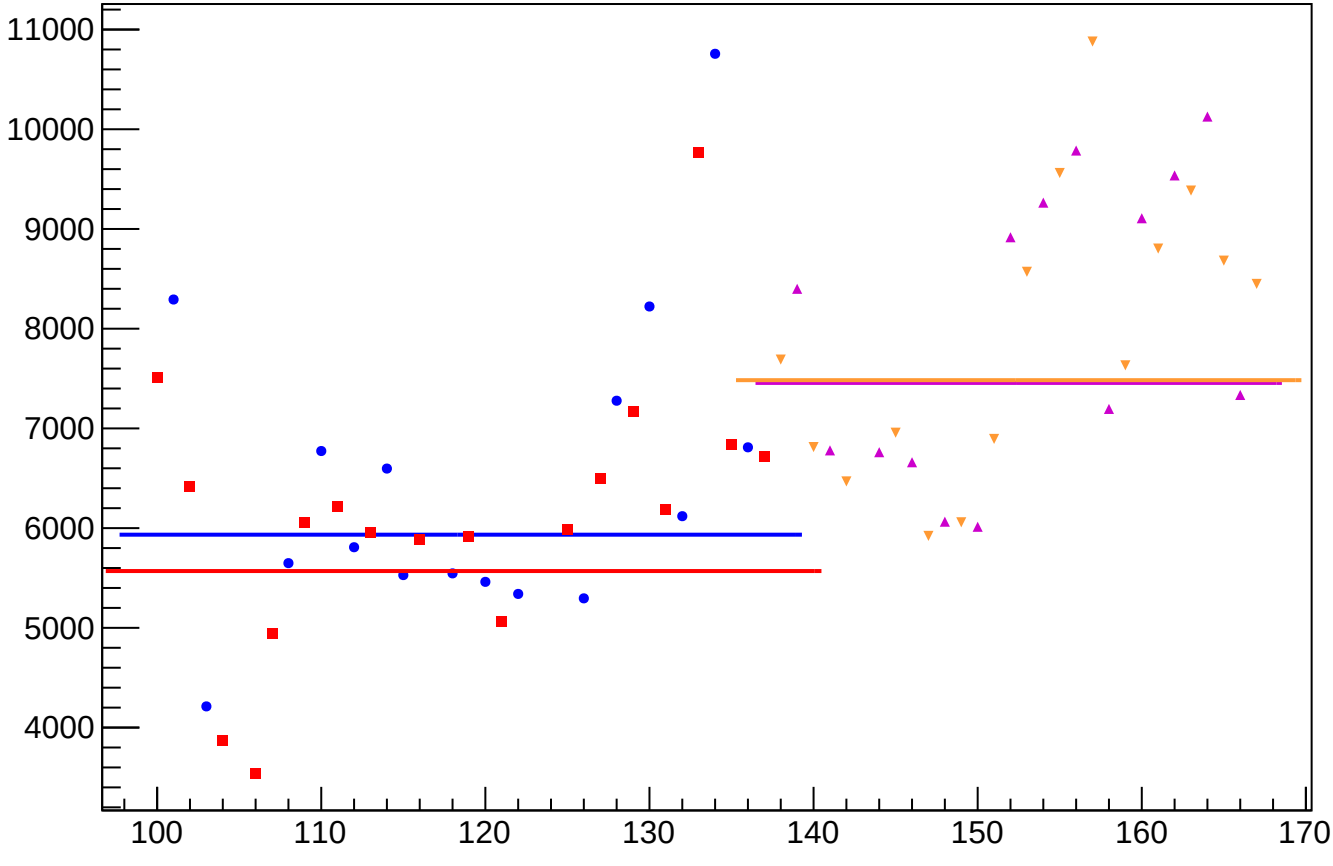
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: -338.175+/-1590.874 χ^2/NDF:24.4/29

Out: 87.600+/-1539.872 χ^2/NDF:35.7/32

All: -118.353+/-1106.445 χ^2/NDF: 60.2/62

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7483.709+/-1.574 χ^2/NDF:677297.3/14

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7456.219+/-1.581 χ^2/NDF:696043.0/13

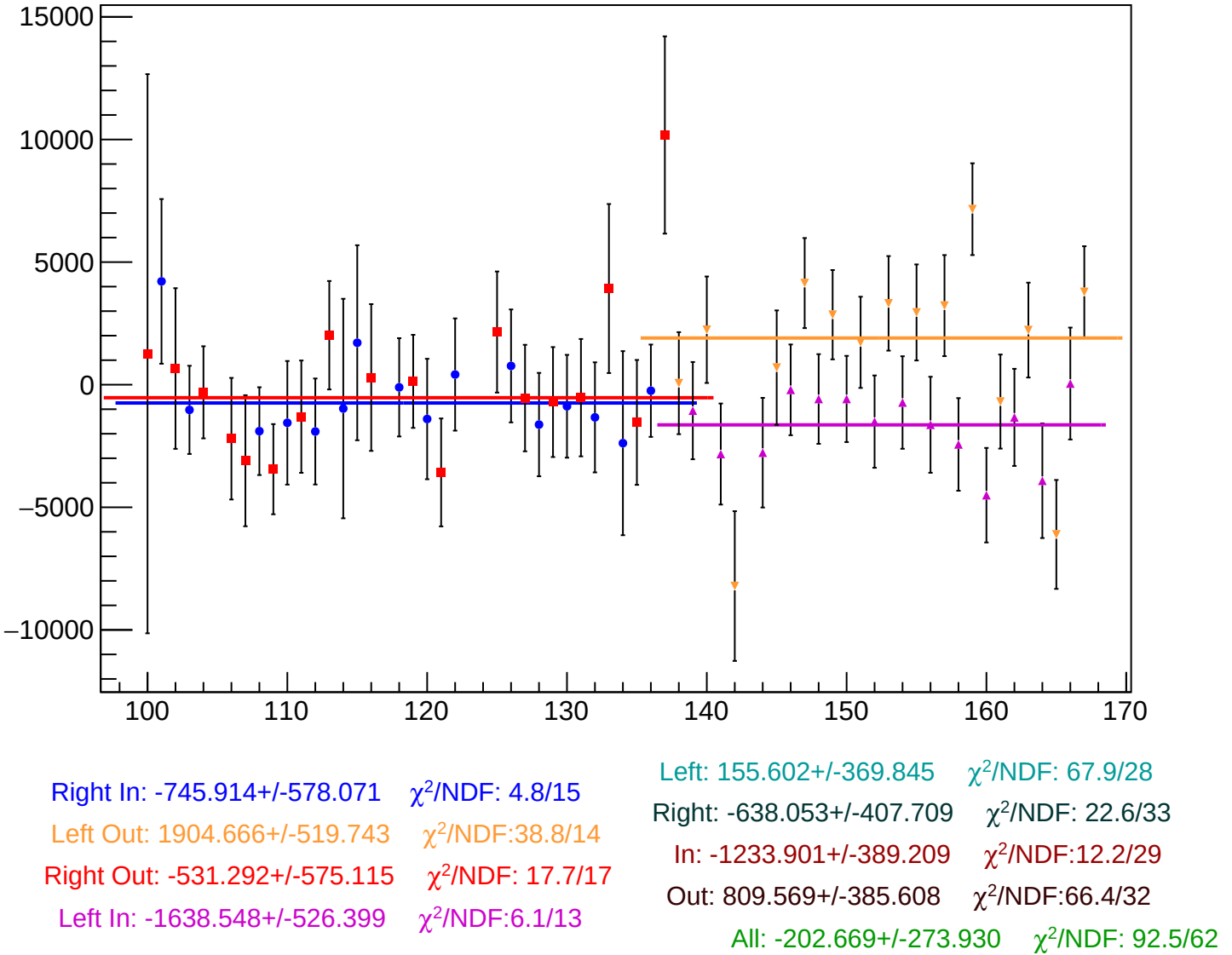
Left: 7470.028+/-1.115 χ^2/NDF: 1373492.2/28

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6704.879+/-1.125 χ^2/NDF:1806702.1/29

Out: 6486.153+/-1.089 χ^2/NDF:2172520.7/32

All: 6591.954+/-0.782 χ^2/NDF: 3998741.3/62


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
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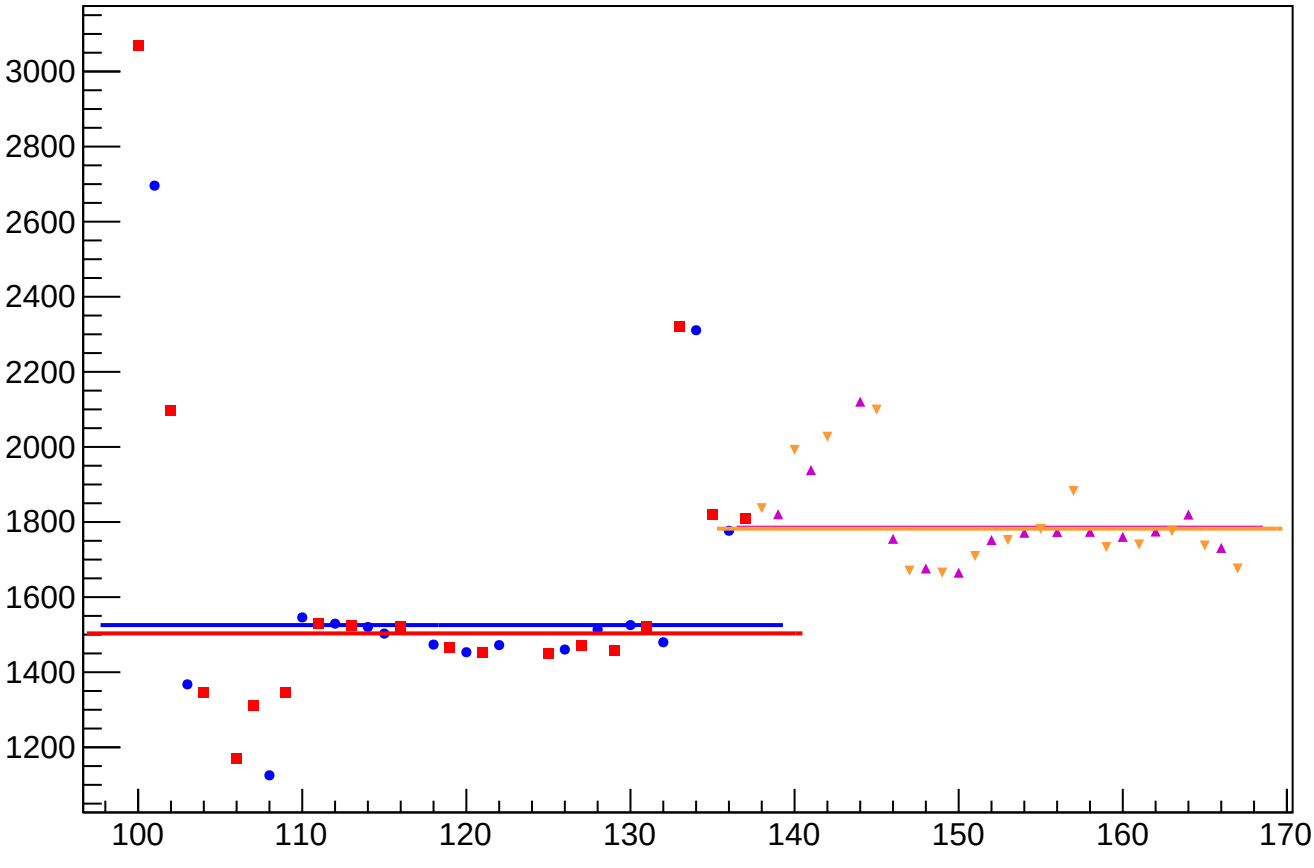
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1904.666+/-519.743 χ²/NDF:38.8/14
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1638.548+/-526.399 χ²/NDF:6.1/13
Left: 155.602+/-369.845 χ²/NDF: 67.9/28
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1233.901+/-389.209 χ²/NDF:12.2/29
Out: 809.569+/-385.608 χ²/NDF:66.4/32
All: -202.669+/-273.930 χ²/NDF: 92.5/62



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1782.391+/-0.368 χ^2/NDF:103406.4/14

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1785.046+/-0.372 χ^2/NDF:76517.2/13

Left: 1783.702+/-0.262 χ^2/NDF: 179949.3/28

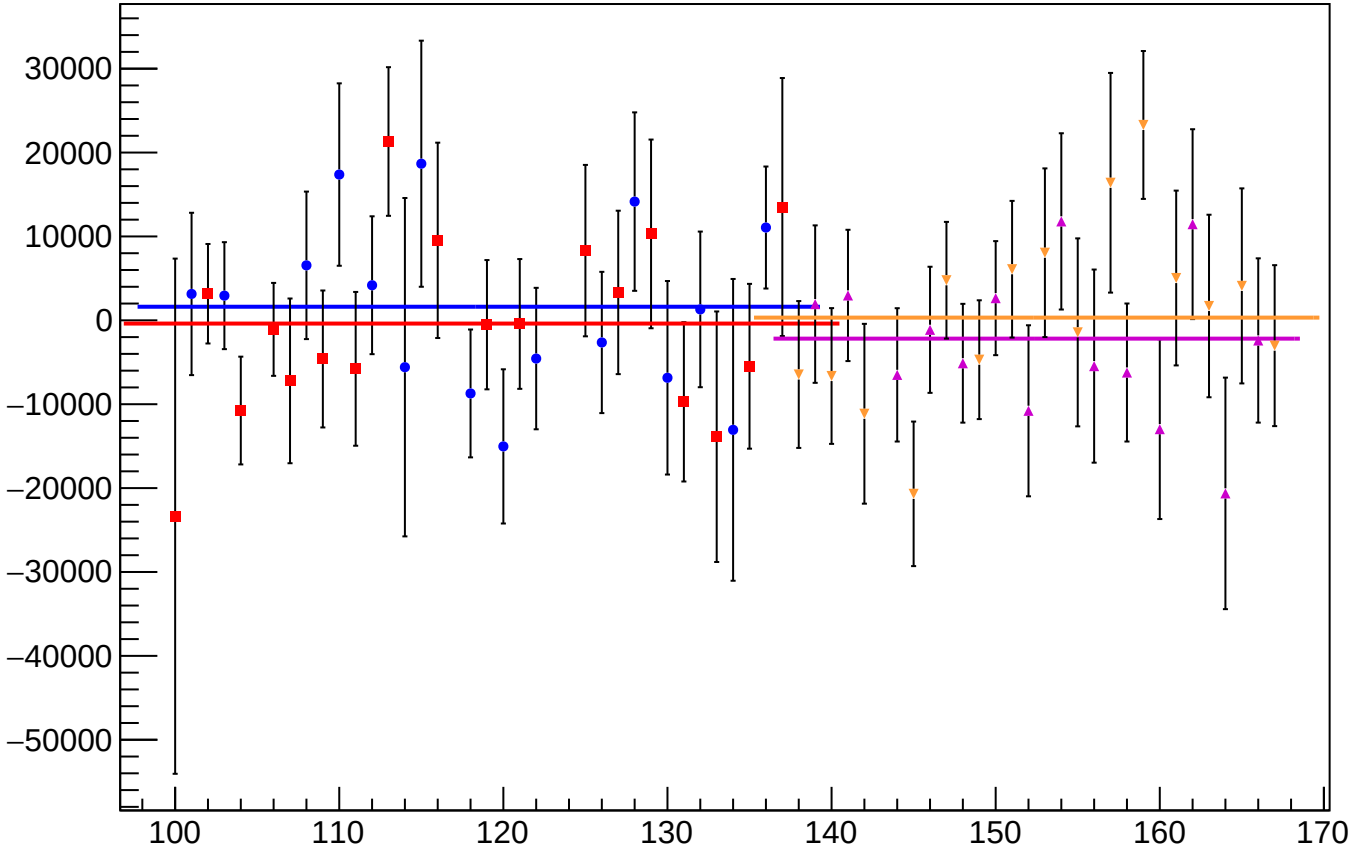
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1667.405+/-0.275 χ^2/NDF:785194.7/29

Out: 1656.945+/-0.273 χ^2/NDF:701002.5/32

All: 1662.126+/-0.194 χ^2/NDF: 1486926.3/62

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 323.411+/-2365.960 χ^2/NDF:19.2/14

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -2182.546+/-2383.642 χ^2/NDF:8.7/13

Left: -920.239+/-1679.203 χ^2/NDF: 28.4/28

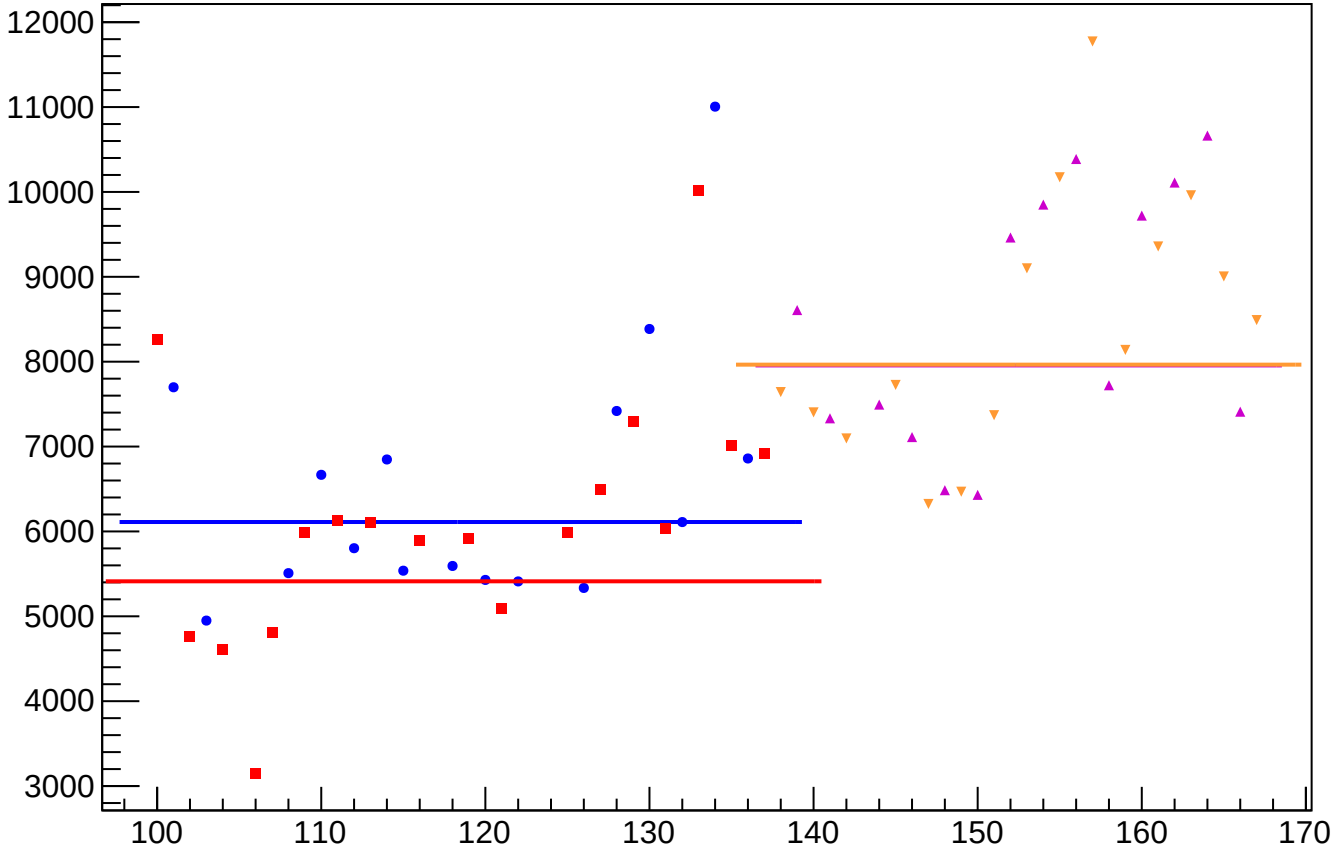
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: -229.829+/-1662.544 χ^2/NDF:24.2/29

Out: -79.922+/-1554.000 χ^2/NDF:35.3/32

All: -149.823+/-1135.279 χ^2/NDF: 59.5/62

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7965.061+/-1.673 χ^2/NDF:636417.1/14

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7955.789+/-1.685 χ^2/NDF:650795.9/13

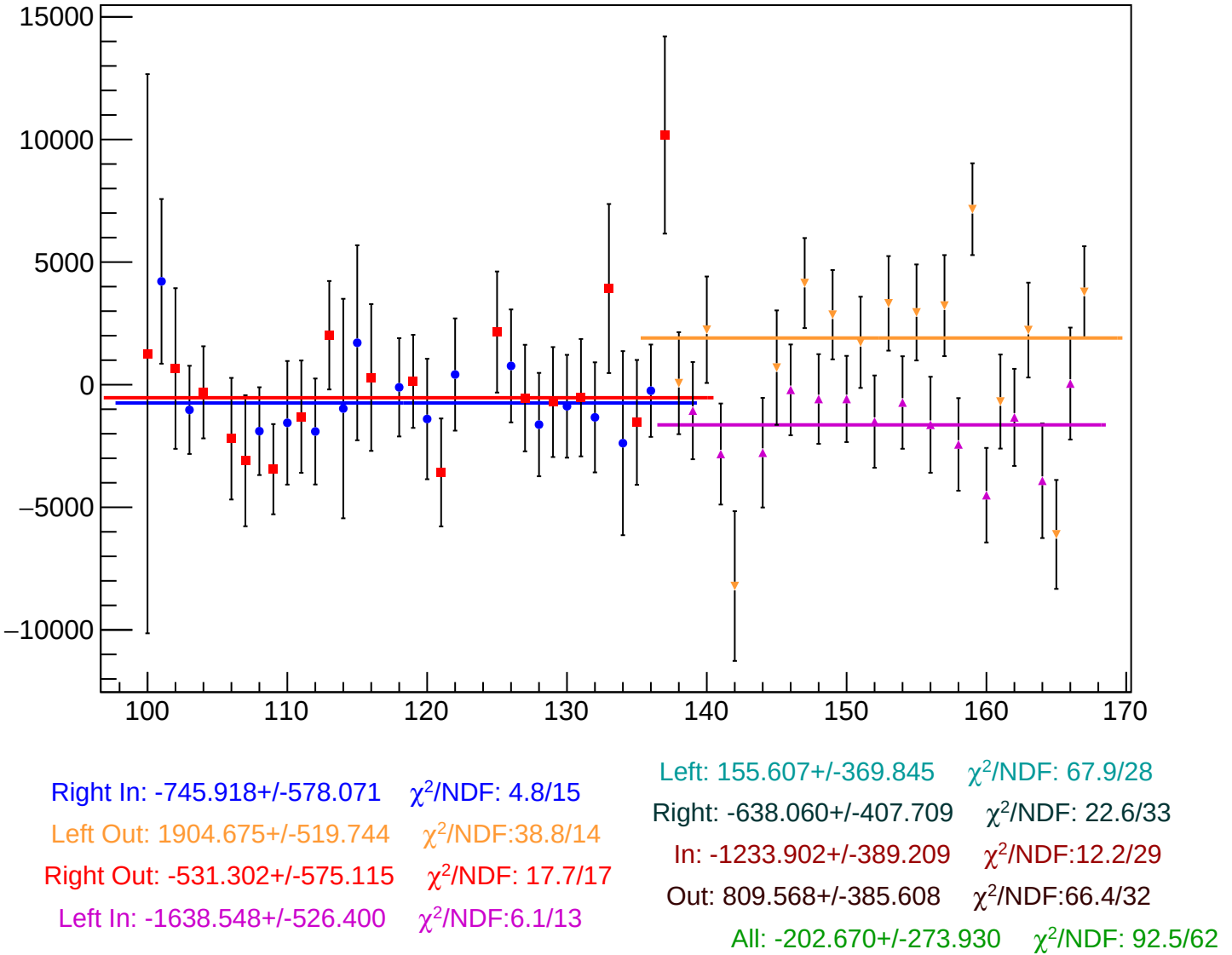
Left: 7960.460+/-1.187 χ^2/NDF: 1287228.3/28

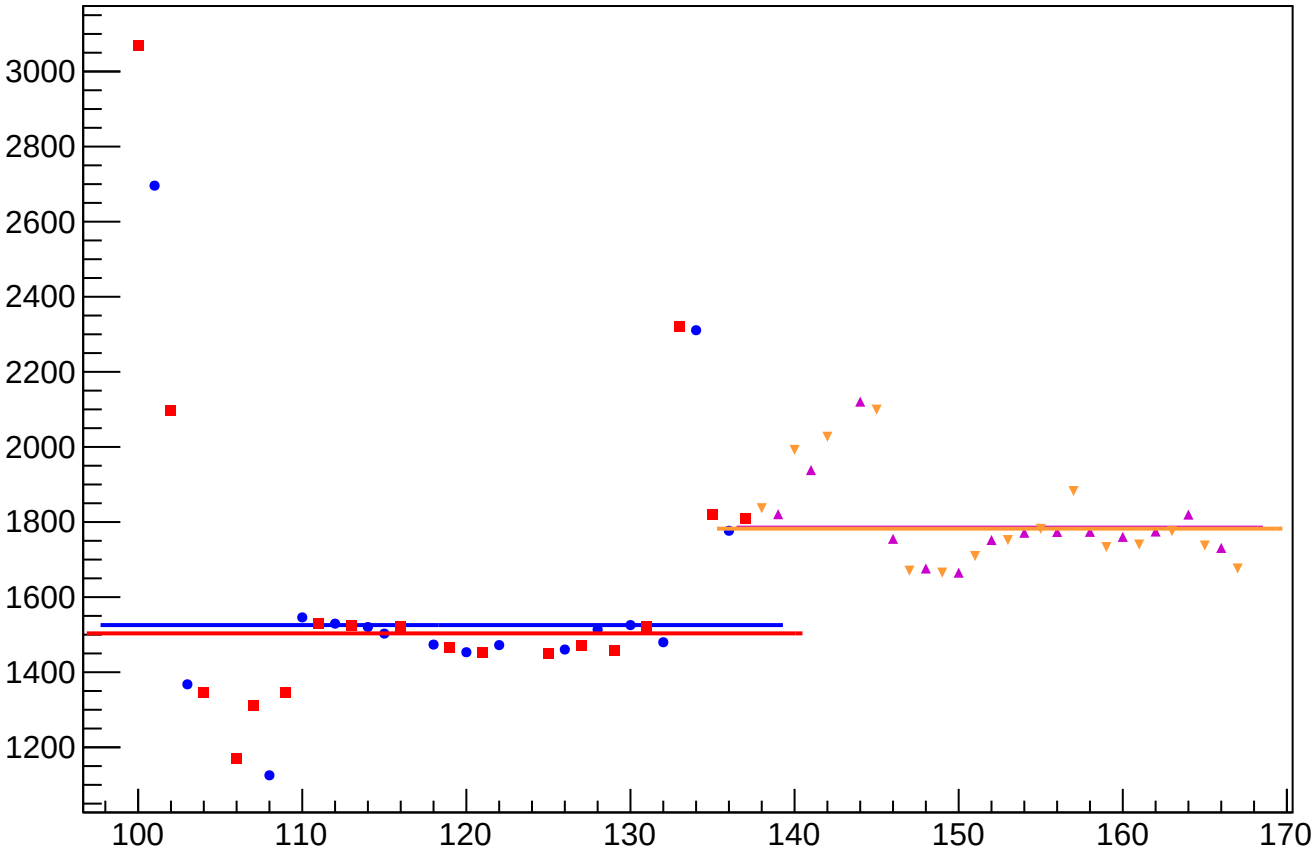
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7008.470+/-1.176 χ^2/NDF:1737609.5/29

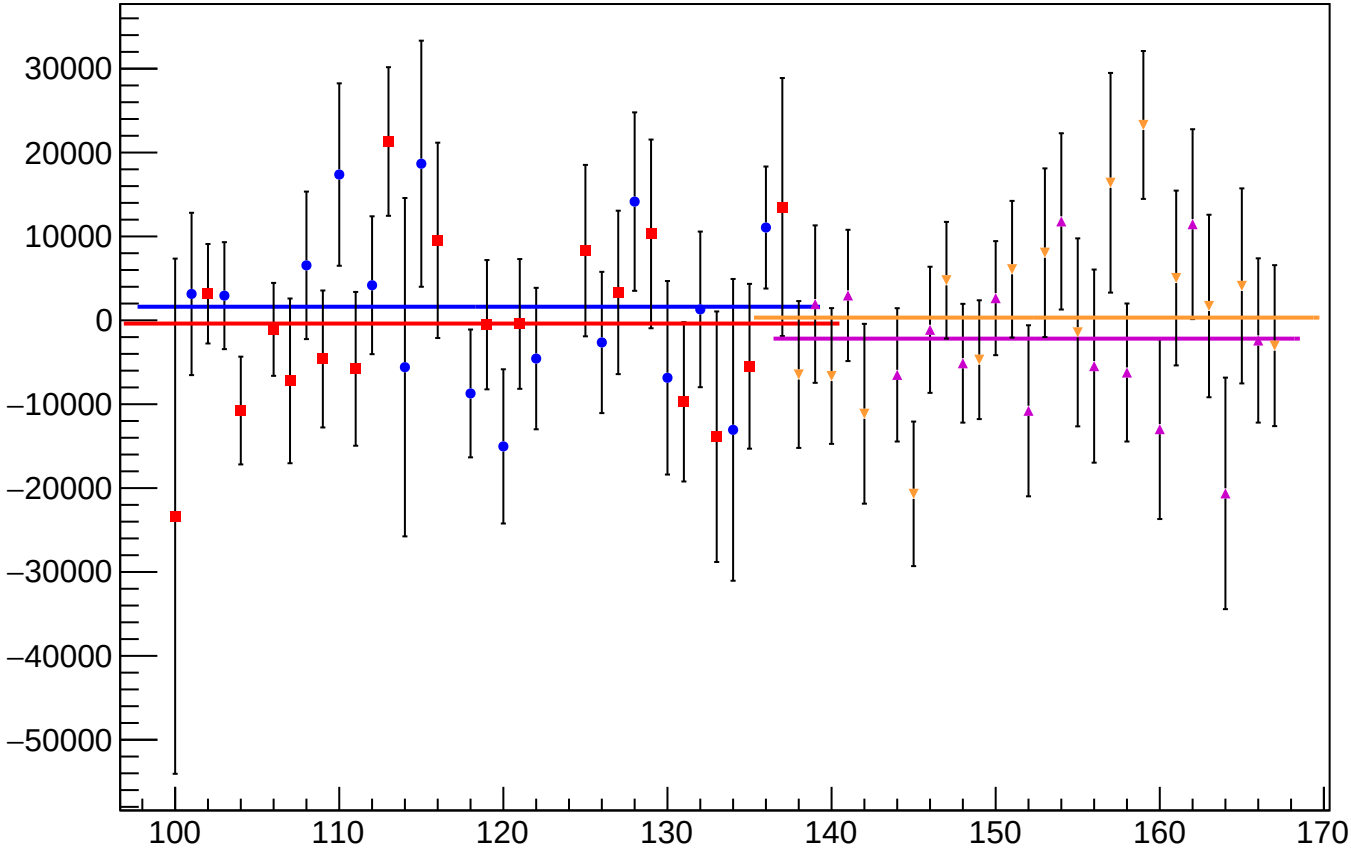
Out: 6513.565+/-1.099 χ^2/NDF:2781817.2/32

All: 6744.336+/-0.803 χ^2/NDF: 4614013.7/62


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1904.675+/-519.744 χ²/NDF:38.8/14
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1638.548+/-526.400 χ²/NDF:6.1/13
Left: 155.607+/-369.845 χ²/NDF: 67.9/28
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1233.902+/-389.209 χ²/NDF:12.2/29
Out: 809.568+/-385.608 χ²/NDF:66.4/32
All: -202.670+/-273.930 χ²/NDF: 92.5/62


eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
Right In: 1525.536+/-0.409 χ²/NDF: 488327.8/15
Left Out: 1782.394+/-0.368 χ²/NDF:103407.3/14
Right Out: 1503.435+/-0.407 χ²/NDF: 338507.7/17
Left In: 1785.049+/-0.372 χ²/NDF:76517.6/13
Left: 1783.705+/-0.262 χ²/NDF: 179950.7/28
Right: 1514.425+/-0.288 χ²/NDF: 828305.2/33
In: 1667.407+/-0.275 χ²/NDF:785199.6/29
Out: 1656.946+/-0.273 χ²/NDF:701008.6/32
All: 1662.127+/-0.194 χ²/NDF: 1486937.4/62

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: 323.414+/-2365.964 χ^2/NDF:19.2/14

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -2182.543+/-2383.645 χ^2/NDF:8.7/13

Left: -920.236+/-1679.205 χ^2/NDF: 28.4/28

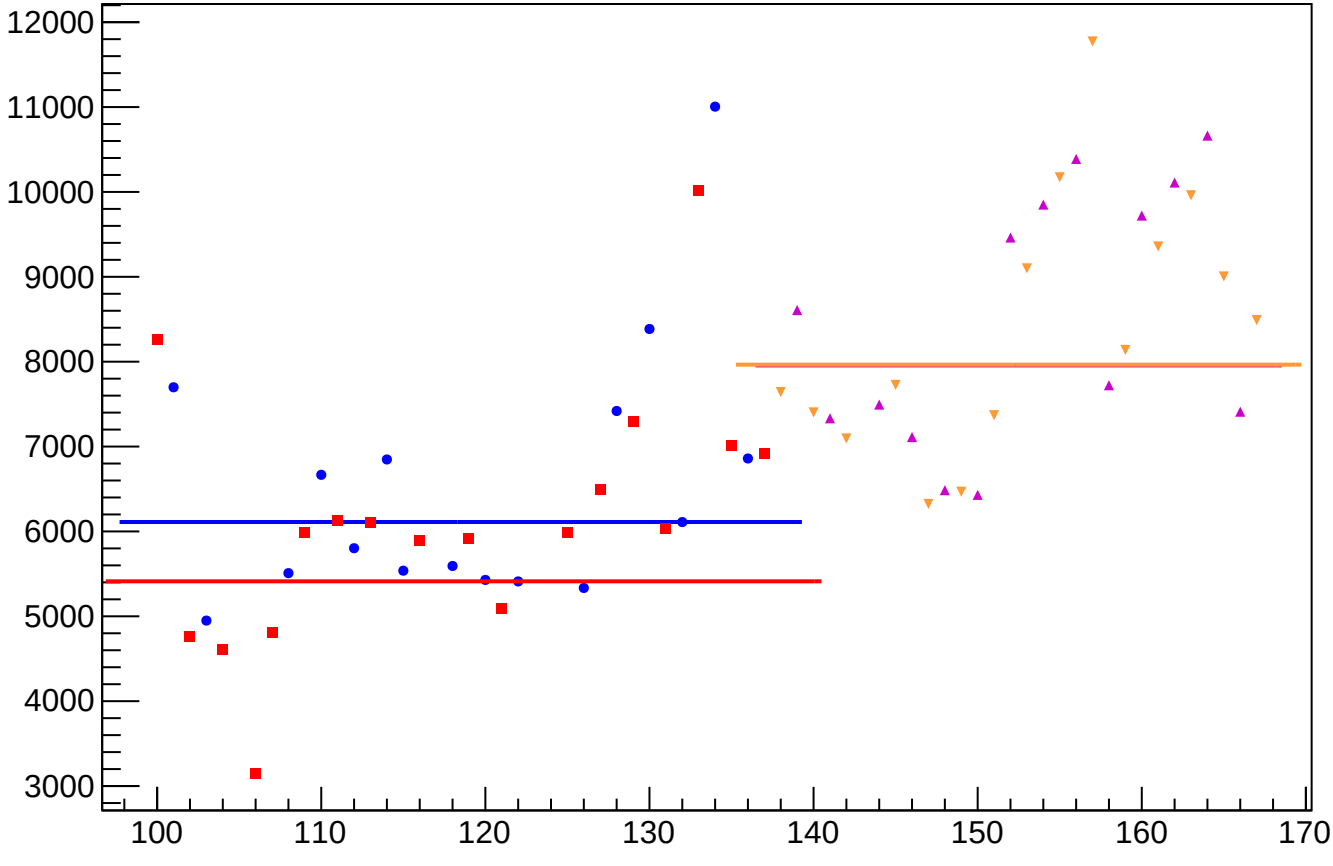
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: -229.832+/-1662.543 χ^2/NDF:24.2/29

Out: -79.926+/-1553.999 χ^2/NDF:35.3/32

All: -149.826+/-1135.278 χ^2/NDF: 59.5/62

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7965.072+/-1.673 χ^2/NDF:636419.3/14

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7955.800+/-1.685 χ^2/NDF:650797.4/13

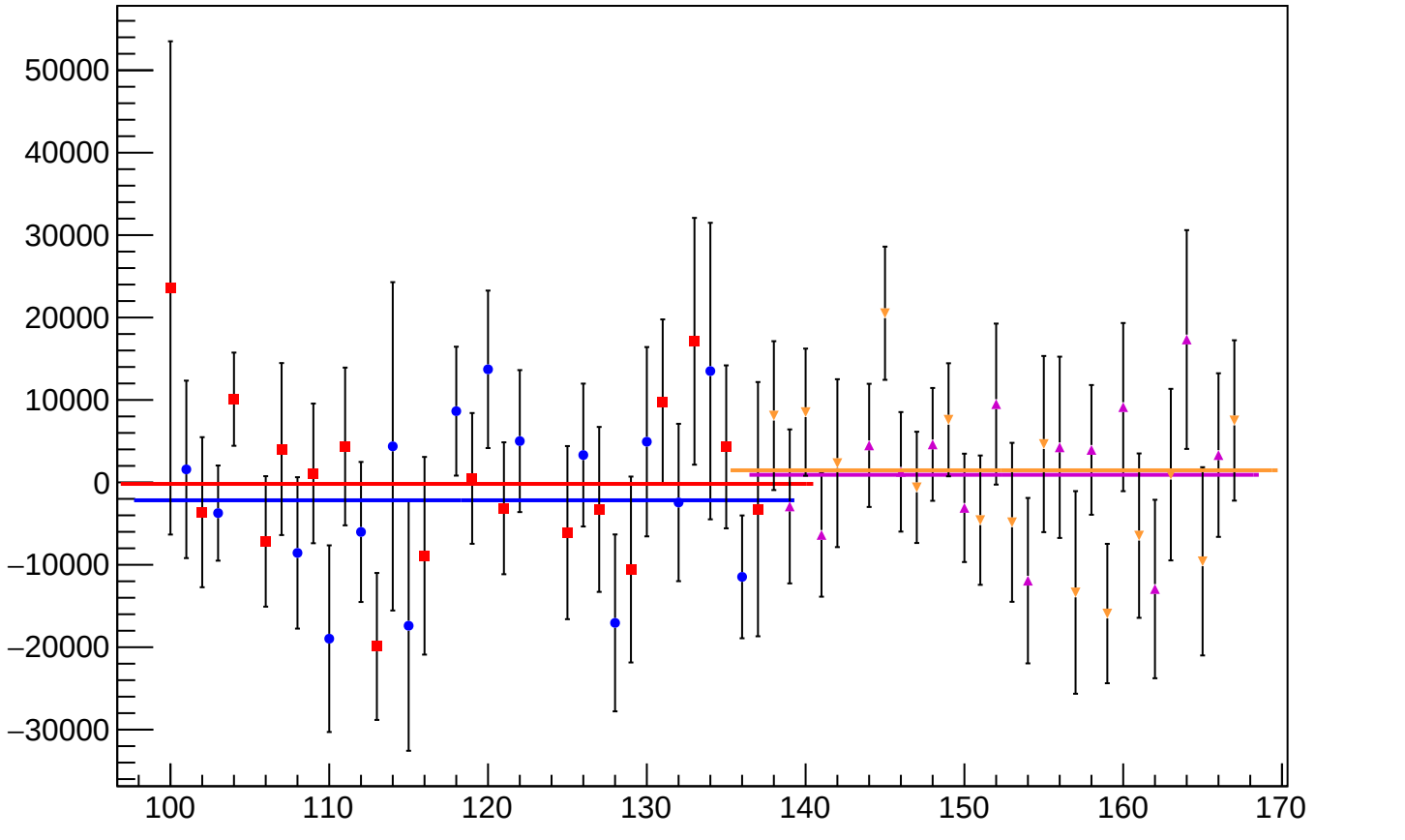
Left: 7960.471+/-1.187 χ^2/NDF: 1287232.0/28

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7008.465+/-1.176 χ^2/NDF:1737629.7/29

Out: 6513.559+/-1.099 χ^2/NDF:2781843.3/32

All: 6744.330+/-0.803 χ^2/NDF: 4614060.5/62



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1465.640+/-2287.425 χ^2/NDF:16.6/14

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: 917.588+/-2297.336 χ^2/NDF:8.5/13

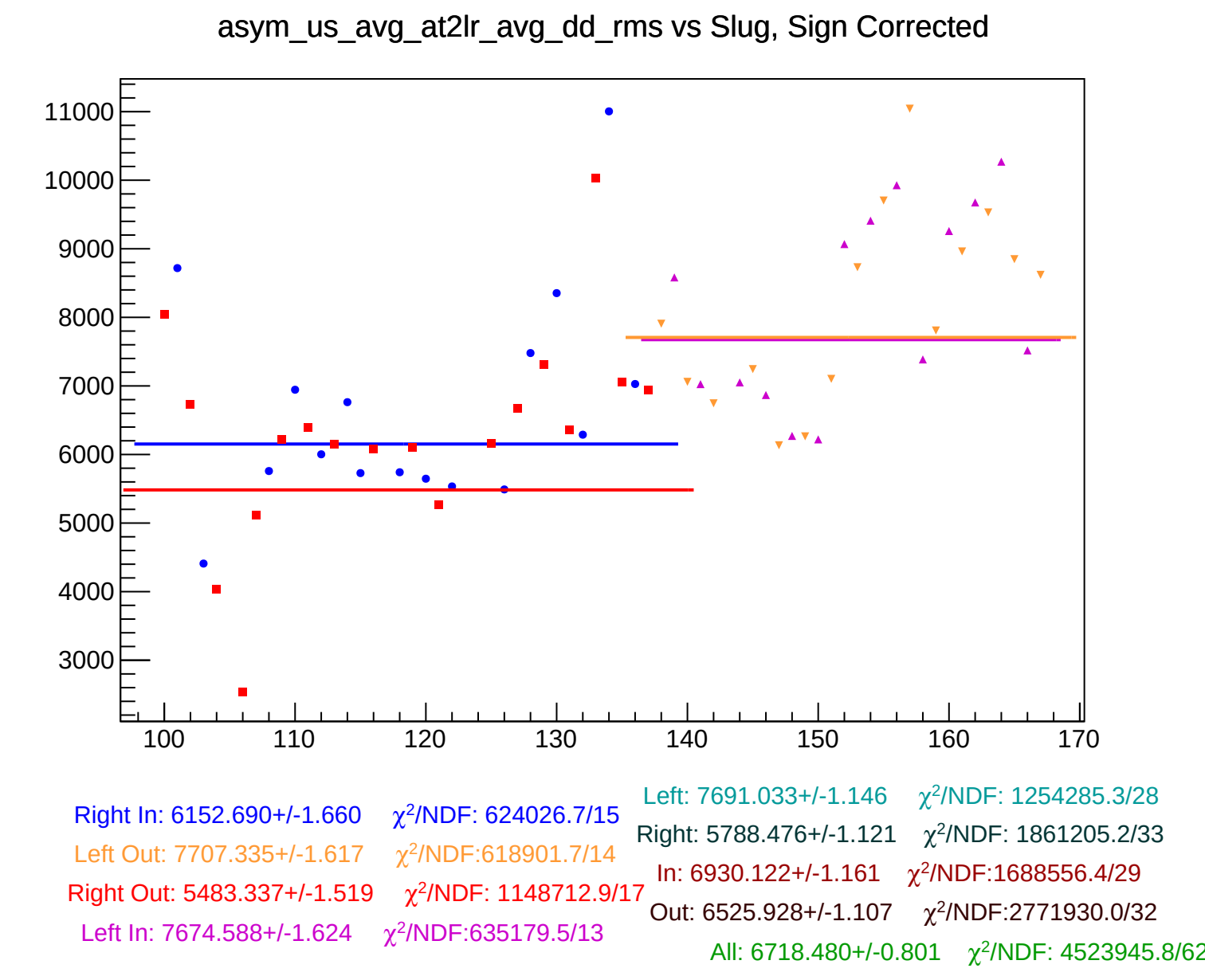
Left: 1192.799+/-1620.946 χ^2/NDF: 25.1/28

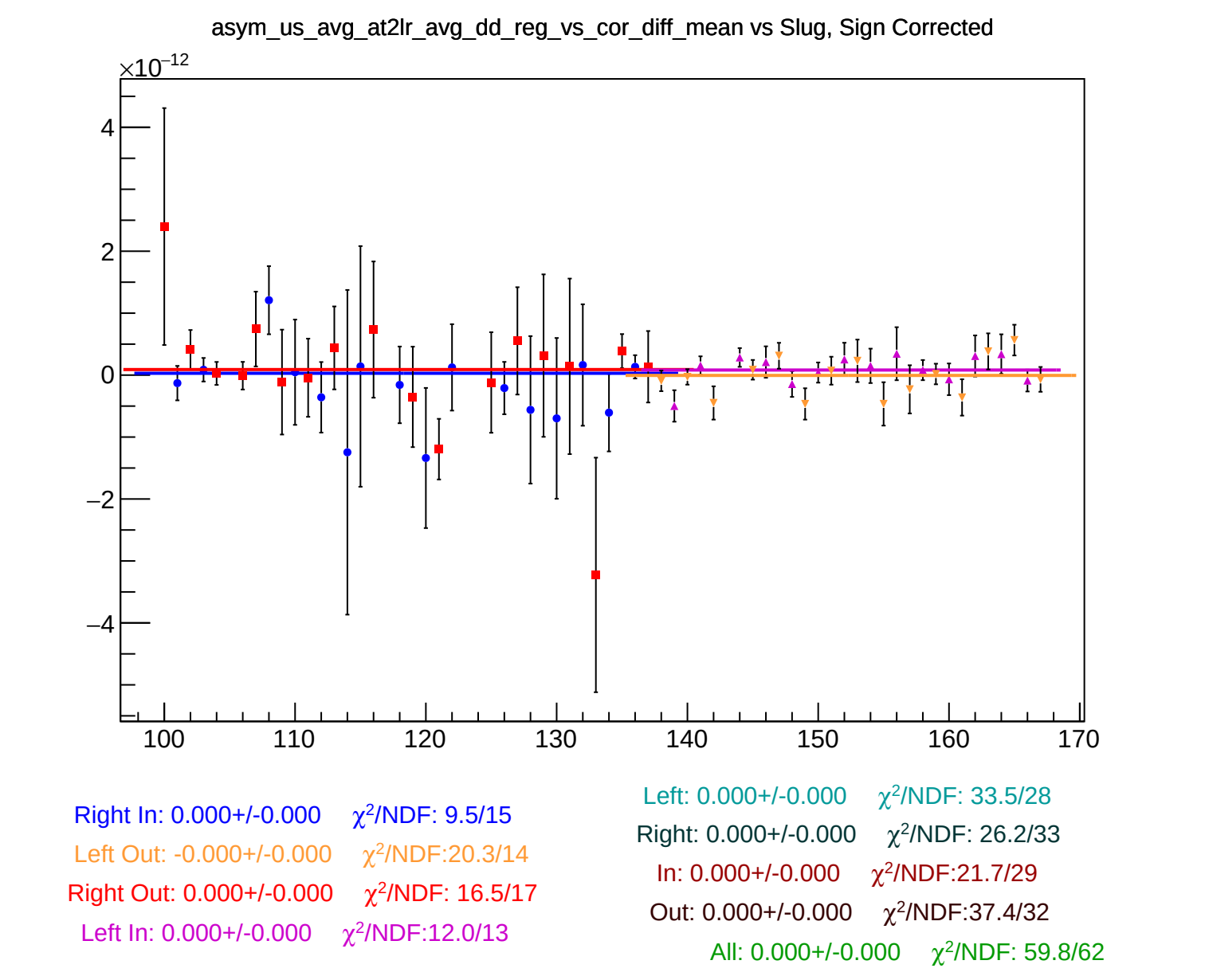
Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

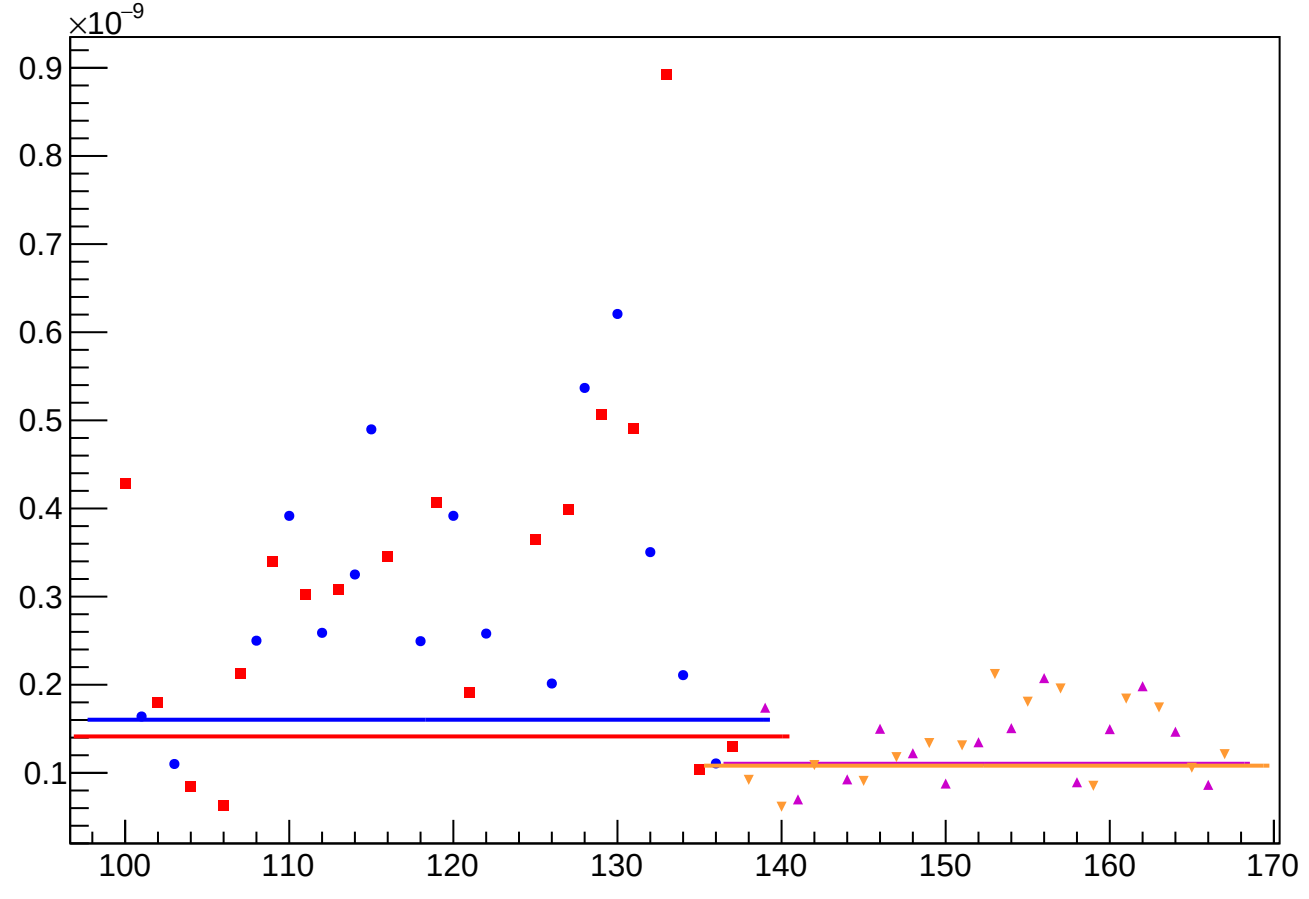
In: -594.737+/-1641.966 χ^2/NDF:24.0/29

Out: 619.667+/-1596.354 χ^2/NDF:31.5/32

All: 29.567+/-1144.578 χ^2/NDF: 55.8/62


asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
Right In: 6152.690+/-1.660 χ²/NDF: 624026.7/15
Left Out: 7707.335+/-1.617 χ²/NDF:618901.7/14
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 7674.588+/-1.624 χ²/NDF:635179.5/13
Left: 7691.033+/-1.146 χ²/NDF: 1254285.3/28
Right: 5788.476+/-1.121 χ²/NDF: 1861205.2/33
In: 6930.122+/-1.161 χ²/NDF:1688556.4/29
Out: 6525.928+/-1.107 χ²/NDF:2771930.0/32
All: 6718.480+/-0.801 χ²/NDF: 4523945.8/62


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:20.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/17
Left In: 0.000+/-0.000 χ²/NDF:12.0/13
Left: 0.000+/-0.000 χ²/NDF: 33.5/28
Right: 0.000+/-0.000 χ²/NDF: 26.2/33
In: 0.000+/-0.000 χ²/NDF:21.7/29
Out: 0.000+/-0.000 χ²/NDF:37.4/32
All: 0.000+/-0.000 χ²/NDF: 59.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022185.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:842024.5/13

Left: 0.000+/-0.000 χ^2/NDF: 1865699.0/28

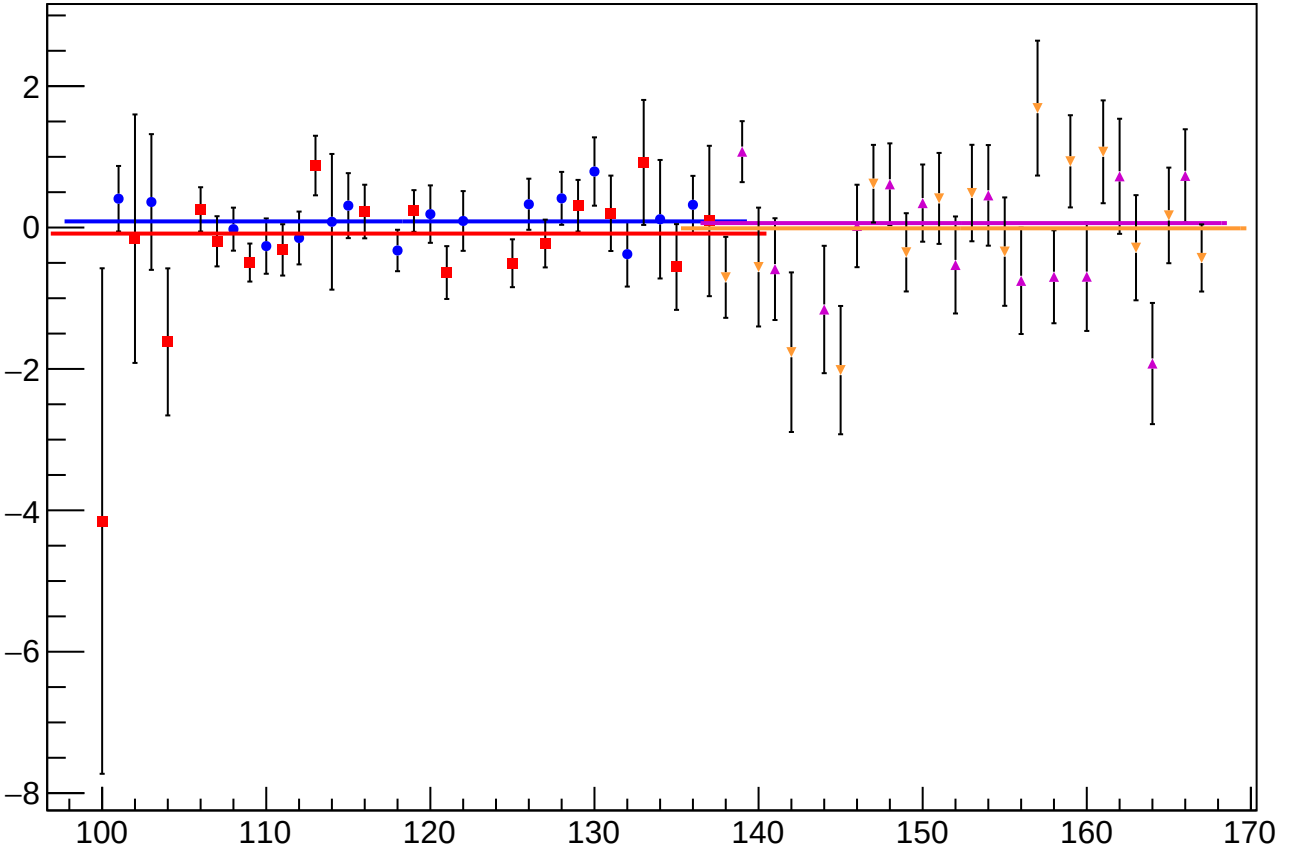
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2531073.3/29

Out: 0.000+/-0.000 χ^2/NDF:3351159.8/32

All: 0.000+/-0.000 χ^2/NDF: 5898096.7/62

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.011+/-0.174 χ^2/NDF:20.5/14

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.063+/-0.174 χ^2/NDF:20.9/13

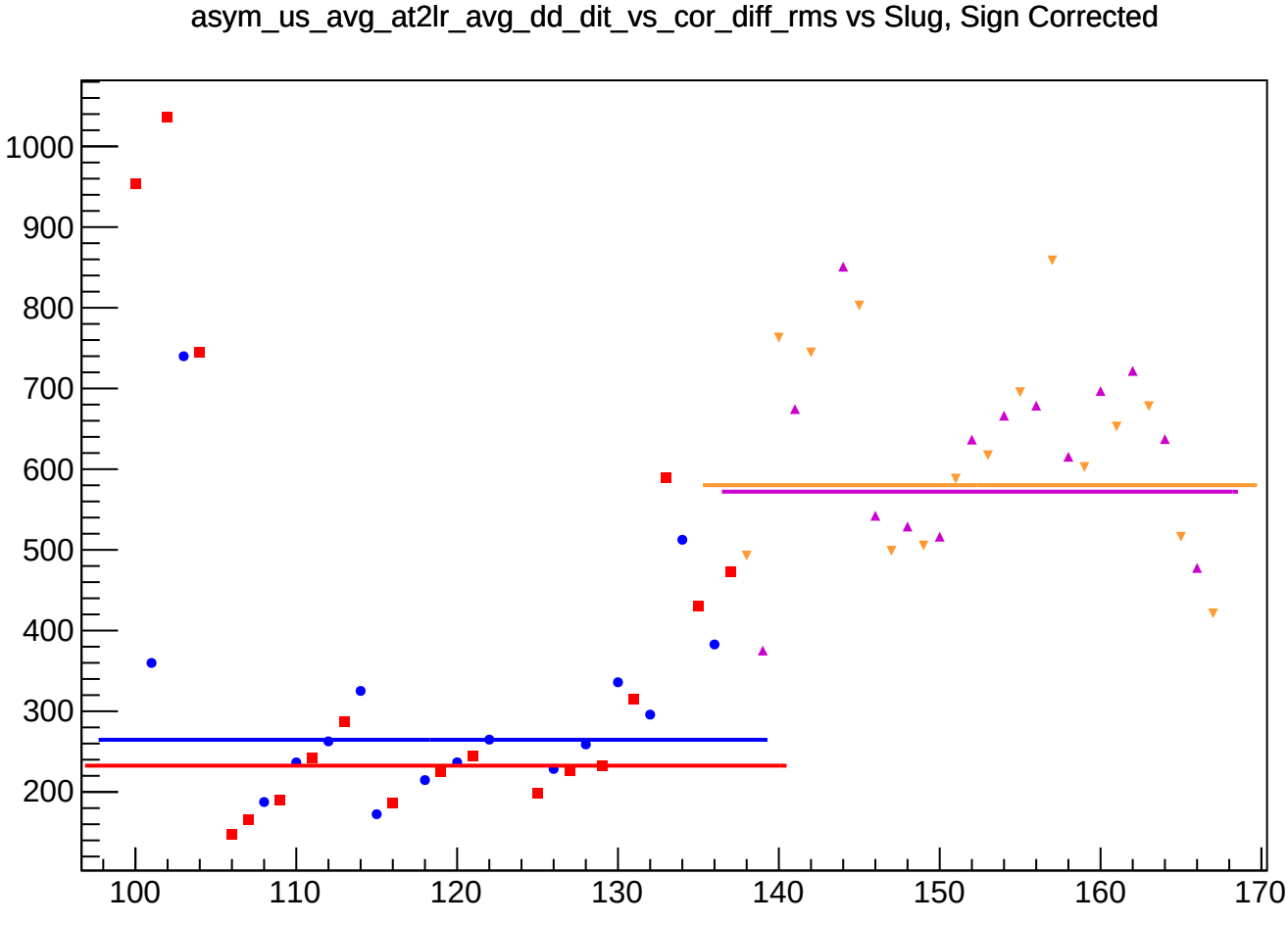
Left: 0.026+/-0.123 χ^2/NDF: 41.5/28

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.080+/-0.090 χ^2/NDF:29.8/29

Out: -0.068+/-0.085 χ^2/NDF:42.5/32

All: 0.002+/-0.062 χ^2/NDF: 73.7/62



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 580.197+/-0.123 χ^2/NDF:905155.0/14

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 572.108+/-0.123 χ^2/NDF:960751.3/13

Left: 576.166+/-0.087 χ^2/NDF: 1868063.8/28

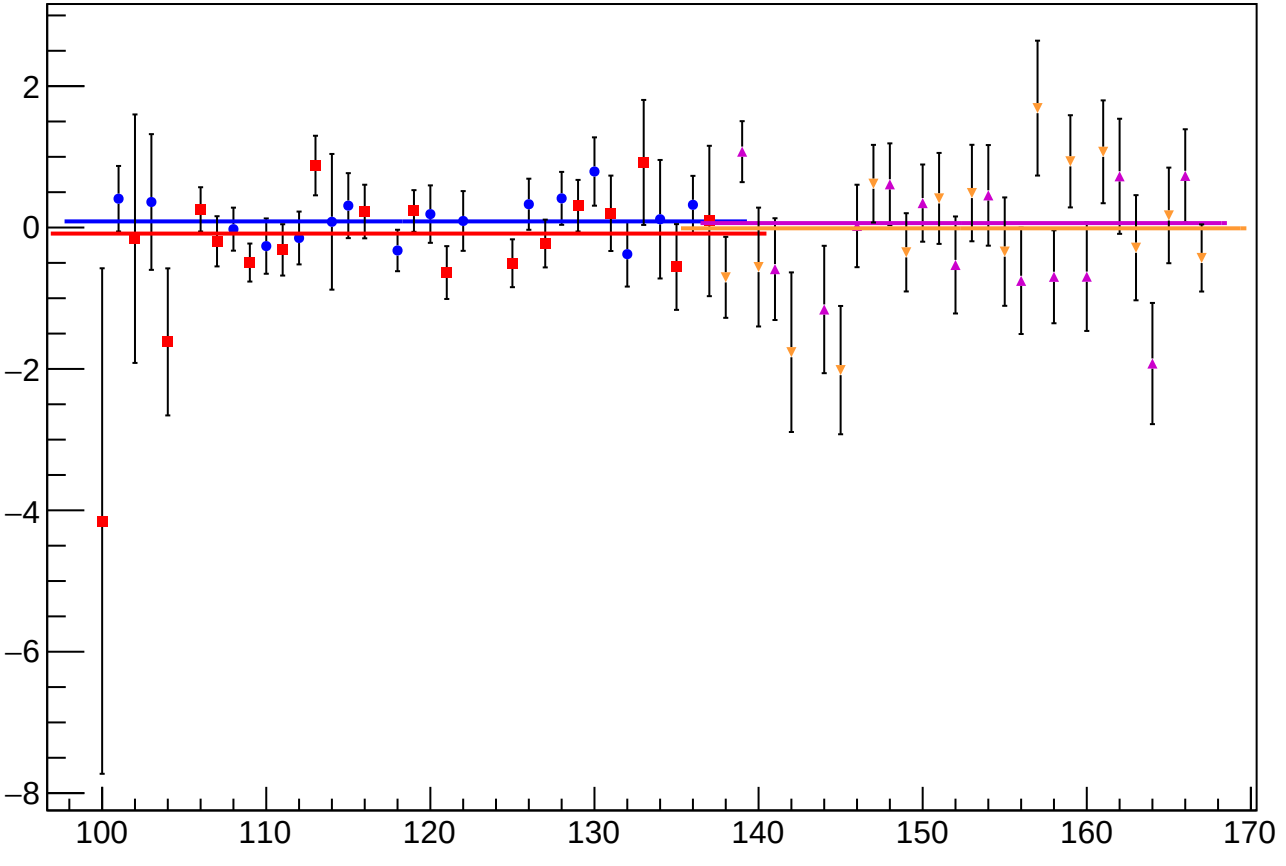
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 346.529+/-0.064 χ^2/NDF:6803539.4/29

Out: 315.549+/-0.060 χ^2/NDF:9024598.4/32

All: 330.141+/-0.044 χ^2/NDF: 15953475.2/62

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.011+/-0.174 χ^2/NDF:20.5/14

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.063+/-0.174 χ^2/NDF:20.9/13

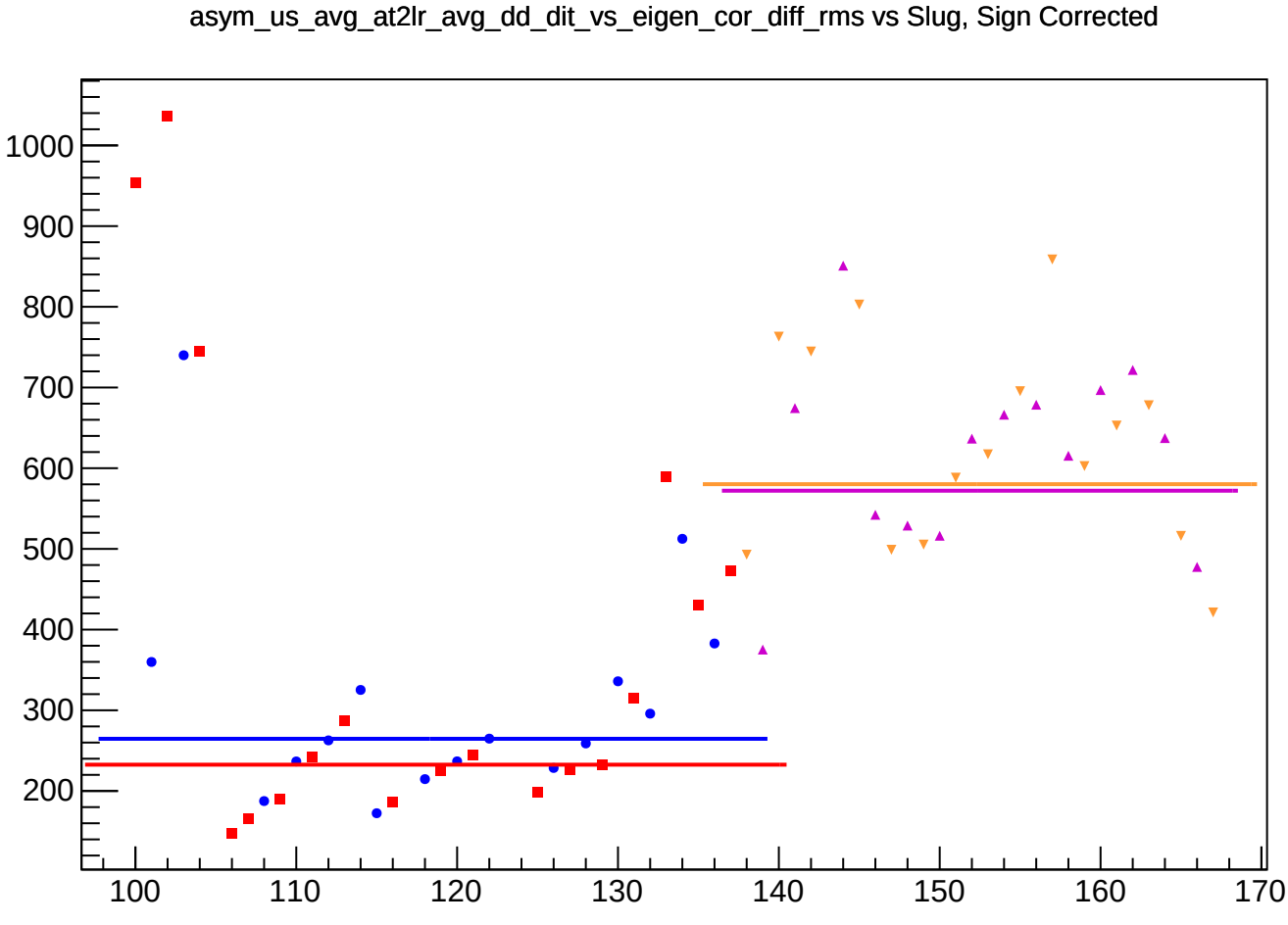
Left: 0.026+/-0.123 χ^2/NDF: 41.5/28

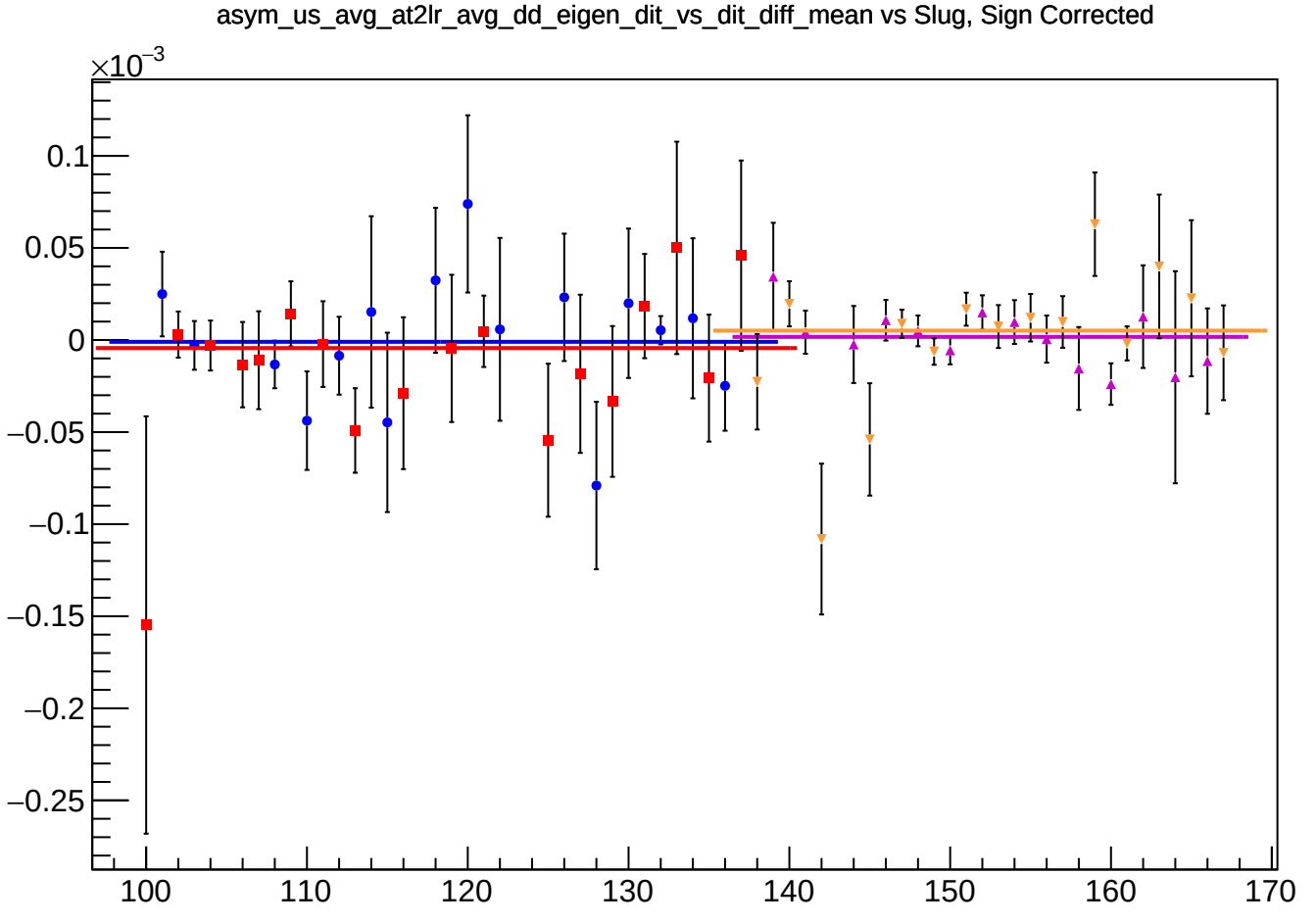
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.080+/-0.090 χ^2/NDF:29.8/29

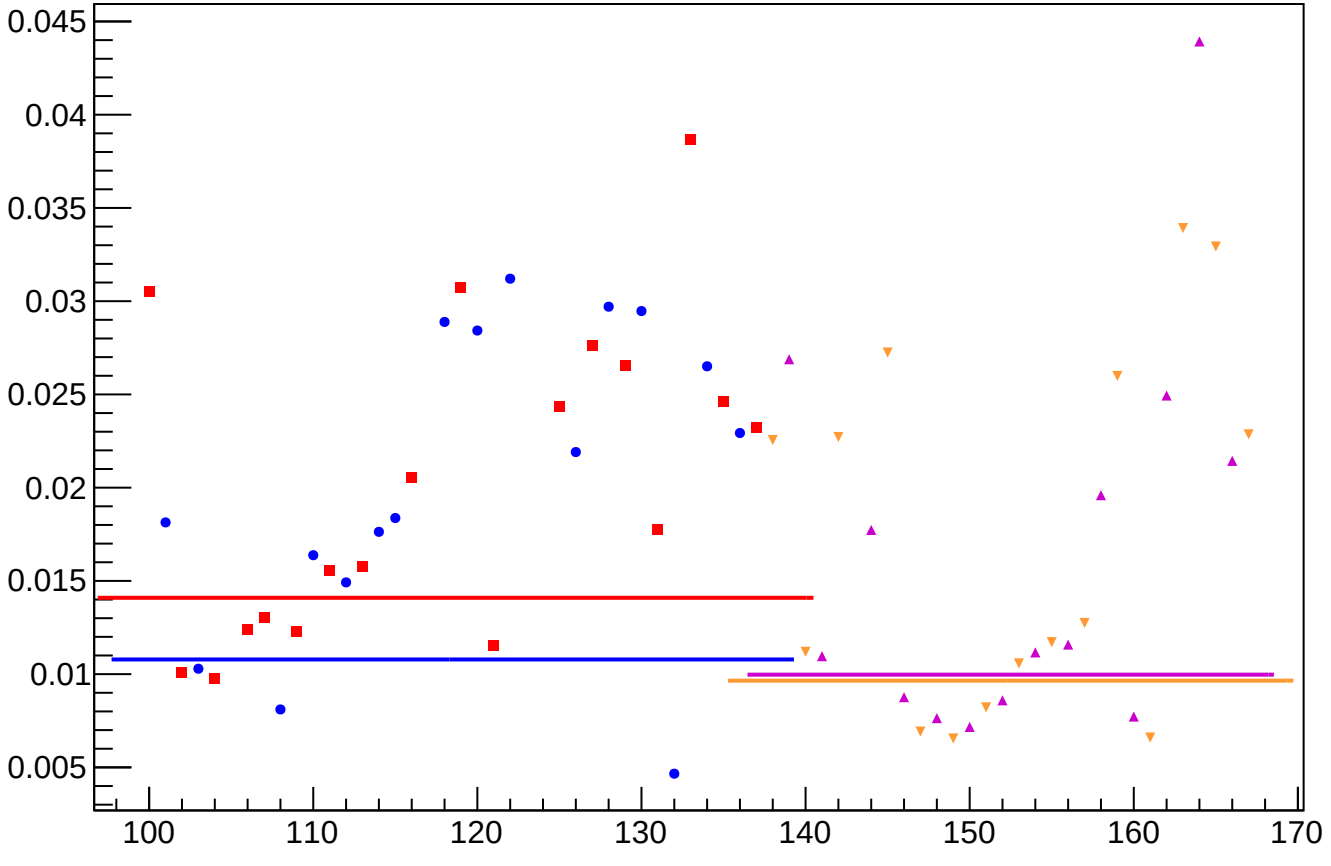
Out: -0.068+/-0.085 χ^2/NDF:42.5/32

All: 0.002+/-0.062 χ^2/NDF: 73.7/62


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 580.197+/-0.123 χ²/NDF:905155.0/14
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 572.108+/-0.123 χ²/NDF:960751.3/13
Left: 576.166+/-0.087 χ²/NDF: 1868063.8/28
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 346.529+/-0.064 χ²/NDF:6803539.4/29
Out: 315.549+/-0.060 χ²/NDF:9024598.4/32
All: 330.141+/-0.044 χ²/NDF: 15953475.2/62


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:24.8/14
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:11.8/13
Left: 0.000+/-0.000 χ²/NDF: 37.2/28
Right: -0.000+/-0.000 χ²/NDF: 27.2/33
In: 0.000+/-0.000 χ²/NDF:26.4/29
Out: 0.000+/-0.000 χ²/NDF:39.5/32
All: 0.000+/-0.000 χ²/NDF: 66.1/62

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:5037852.0/14

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:3545327.6/13

Left: 0.010+/-0.000 χ^2/NDF: 8592556.1/28

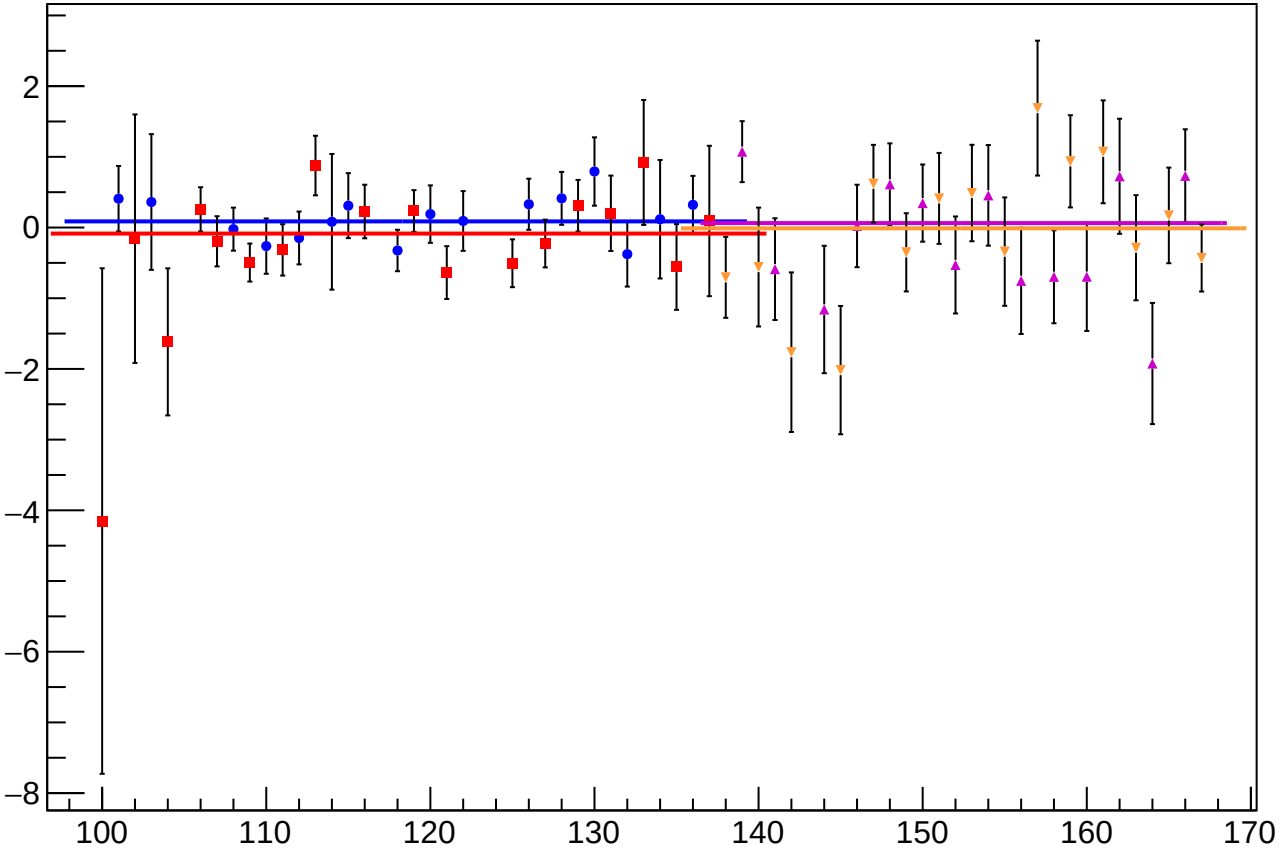
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:8162227.2/29

Out: 0.011+/-0.000 χ^2/NDF:8029302.8/32

All: 0.010+/-0.000 χ^2/NDF: 16225151.7/62

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.011+/-0.174 χ^2/NDF:20.5/14

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.063+/-0.174 χ^2/NDF:20.9/13

Left: 0.026+/-0.123 χ^2/NDF: 41.5/28

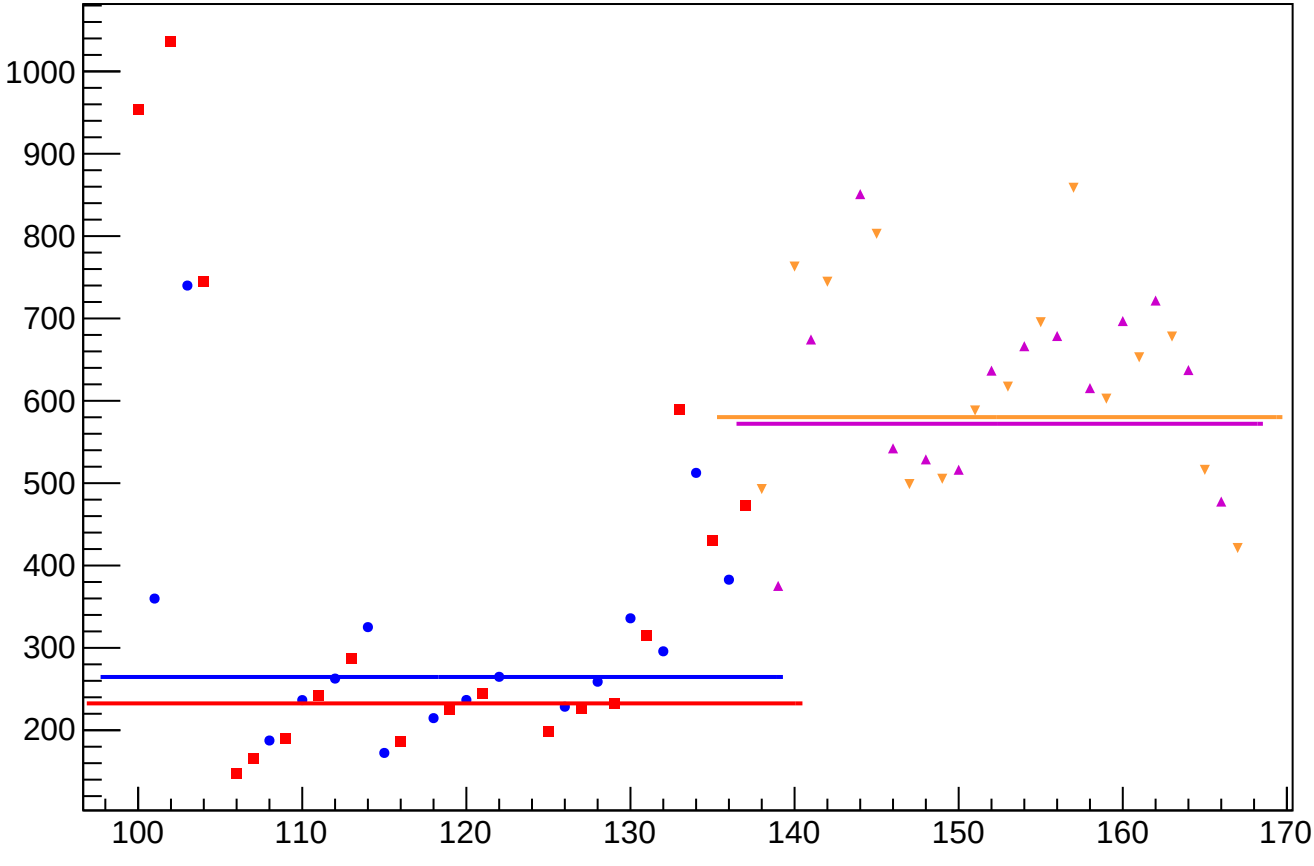
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.080+/-0.090 χ^2/NDF:29.8/29

Out: -0.068+/-0.085 χ^2/NDF:42.5/32

All: 0.002+/-0.062 χ^2/NDF: 73.7/62

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 580.205+/-0.123 χ^2/NDF:905170.6/14

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 572.117+/-0.123 χ^2/NDF:960735.0/13

Left: 576.174+/-0.087 χ^2/NDF: 1868062.8/28

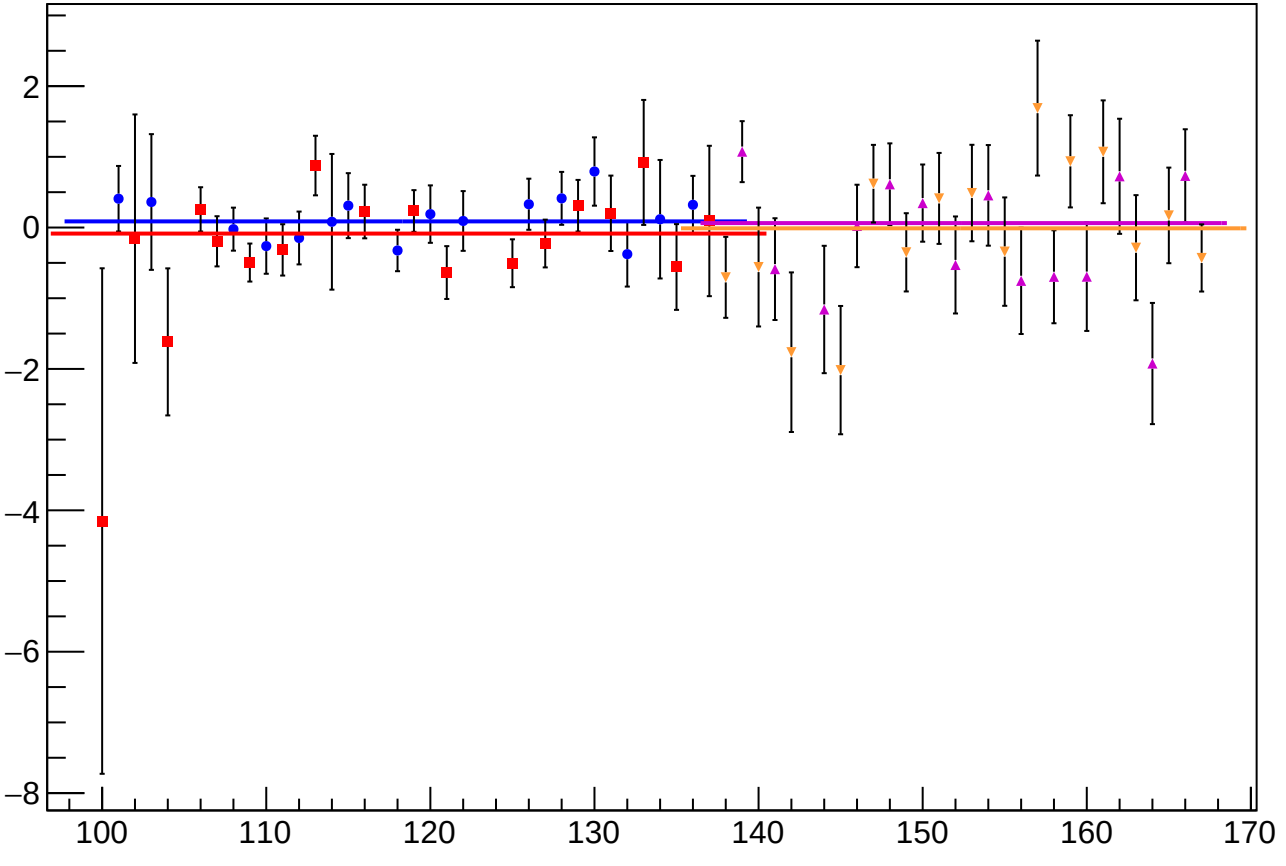
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 346.529+/-0.064 χ^2/NDF:6803653.3/29

Out: 315.549+/-0.060 χ^2/NDF:9024722.5/32

All: 330.141+/-0.044 χ^2/NDF: 15953706.3/62

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.011+/-0.174 χ^2/NDF:20.5/14

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.063+/-0.174 χ^2/NDF:20.9/13

Left: 0.026+/-0.123 χ^2/NDF: 41.5/28

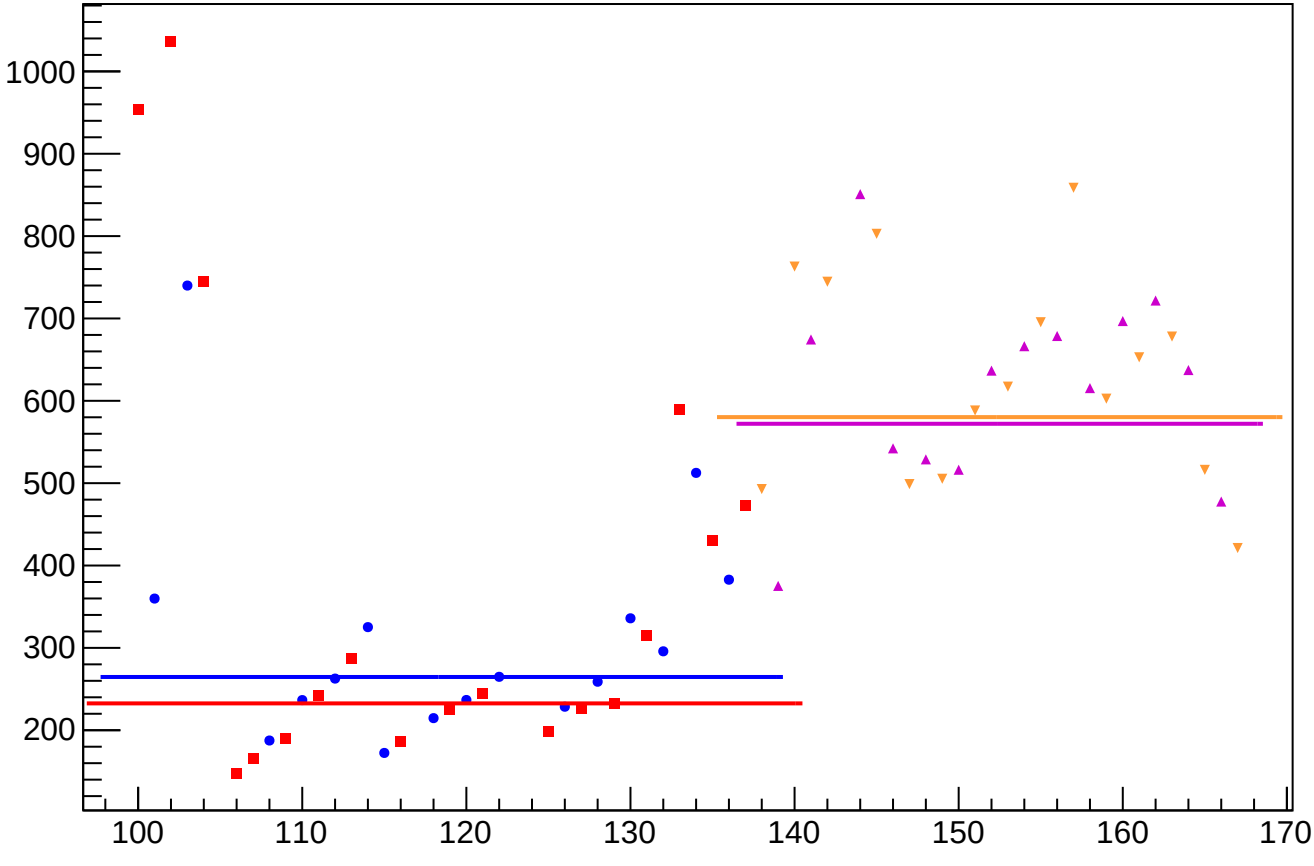
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.080+/-0.090 χ^2/NDF:29.8/29

Out: -0.068+/-0.085 χ^2/NDF:42.5/32

All: 0.002+/-0.062 χ^2/NDF: 73.7/62

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 580.205+/-0.123 χ^2/NDF:905170.6/14

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 572.117+/-0.123 χ^2/NDF:960735.0/13

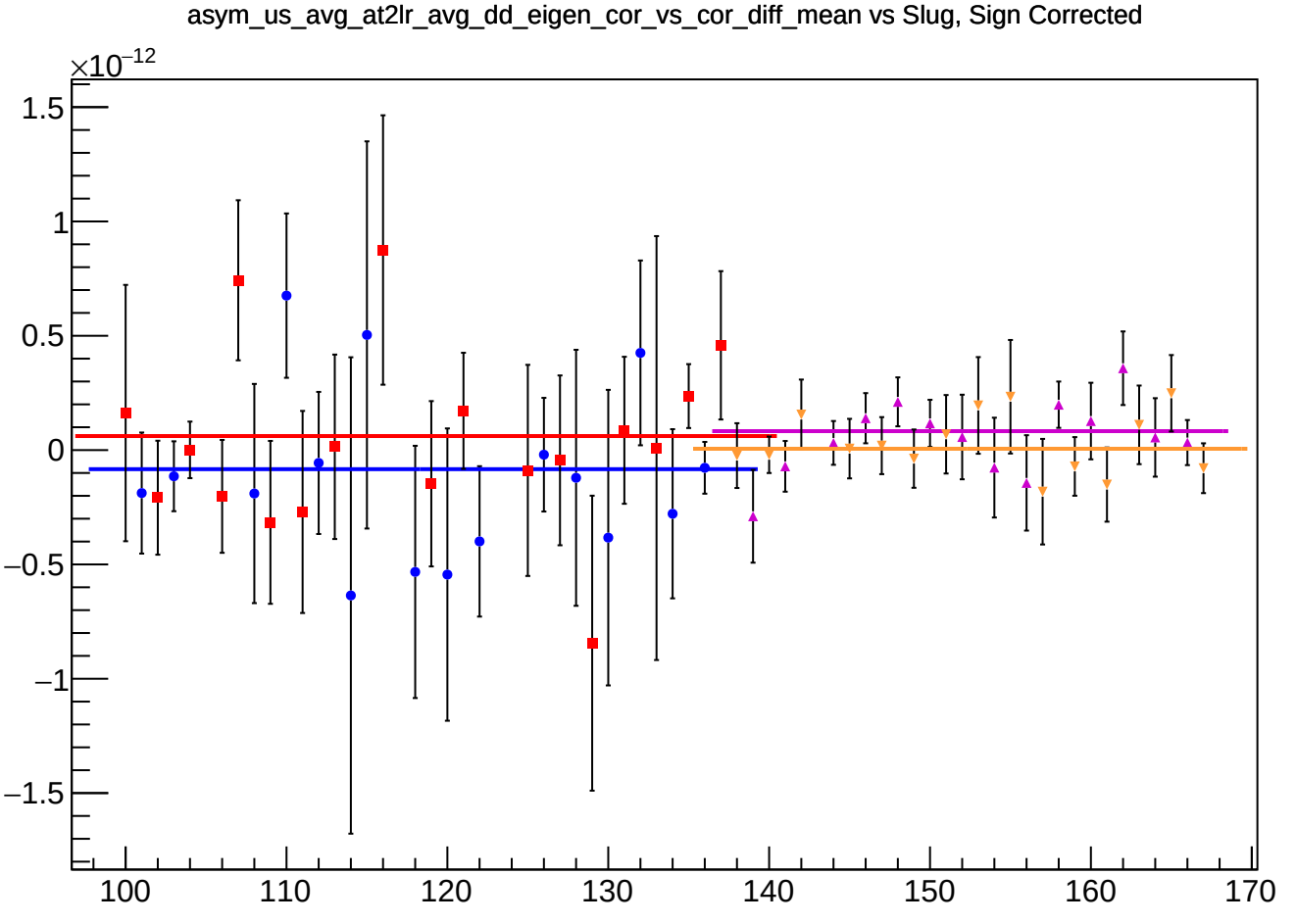
Left: 576.174+/-0.087 χ^2/NDF: 1868062.8/28

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 346.529+/-0.064 χ^2/NDF:6803653.3/29

Out: 315.549+/-0.060 χ^2/NDF:9024722.5/32

All: 330.141+/-0.044 χ^2/NDF: 15953706.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/13

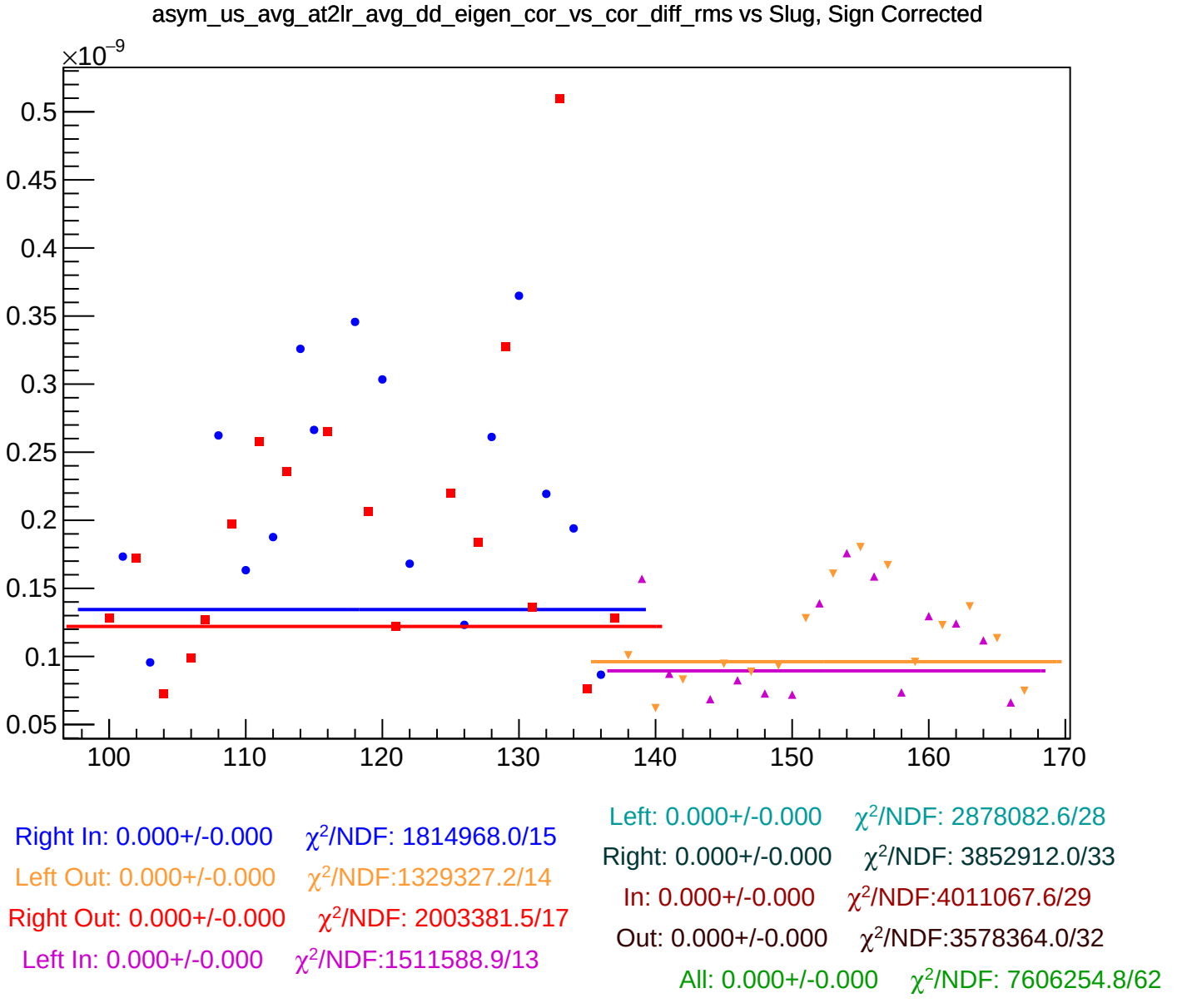
Left: 0.000+/-0.000 χ^2/NDF: 24.2/28

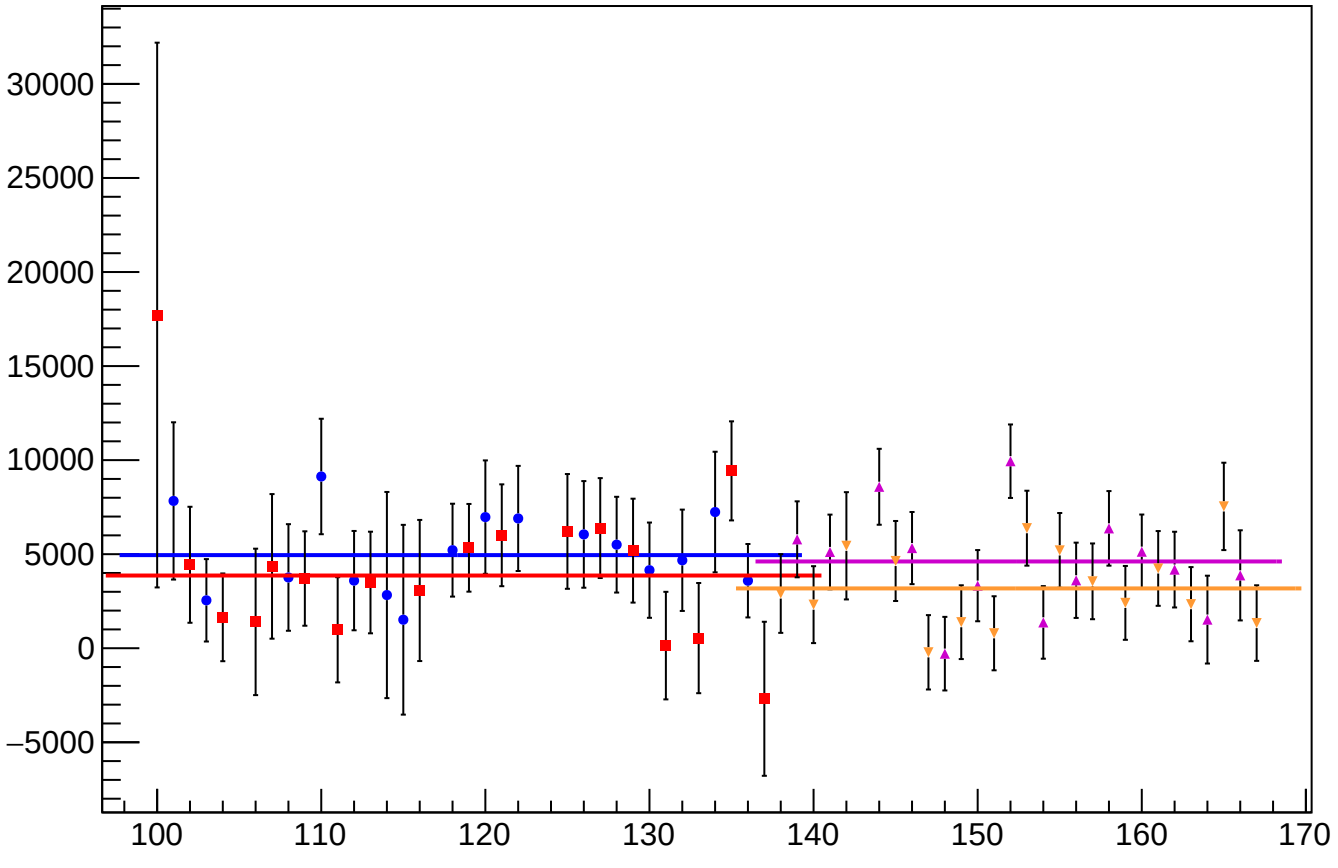
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:28.1/29

Out: 0.000+/-0.000 χ^2/NDF:24.4/32

All: 0.000+/-0.000 χ^2/NDF: 53.0/62


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1329327.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:1511588.9/13
Left: 0.000+/-0.000 χ²/NDF: 2878082.6/28
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4011067.6/29
Out: 0.000+/-0.000 χ²/NDF:3578364.0/32
All: 0.000+/-0.000 χ²/NDF: 7606254.8/62



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3179.427+/-531.468 χ^2/NDF:15.2/14

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4612.482+/-538.212 χ^2/NDF:24.4/13

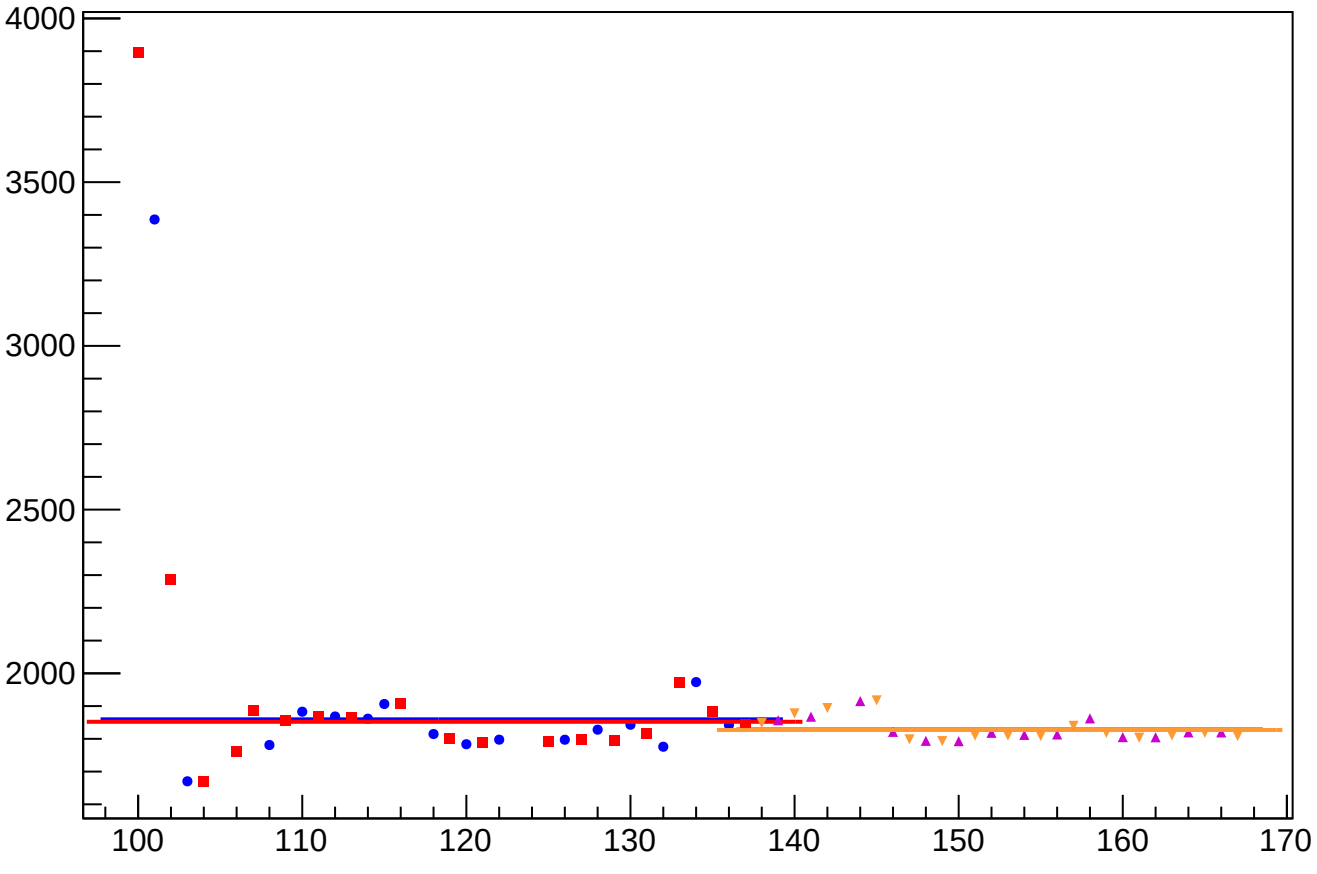
Left: 3886.920+/-378.166 χ^2/NDF: 43.2/28

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

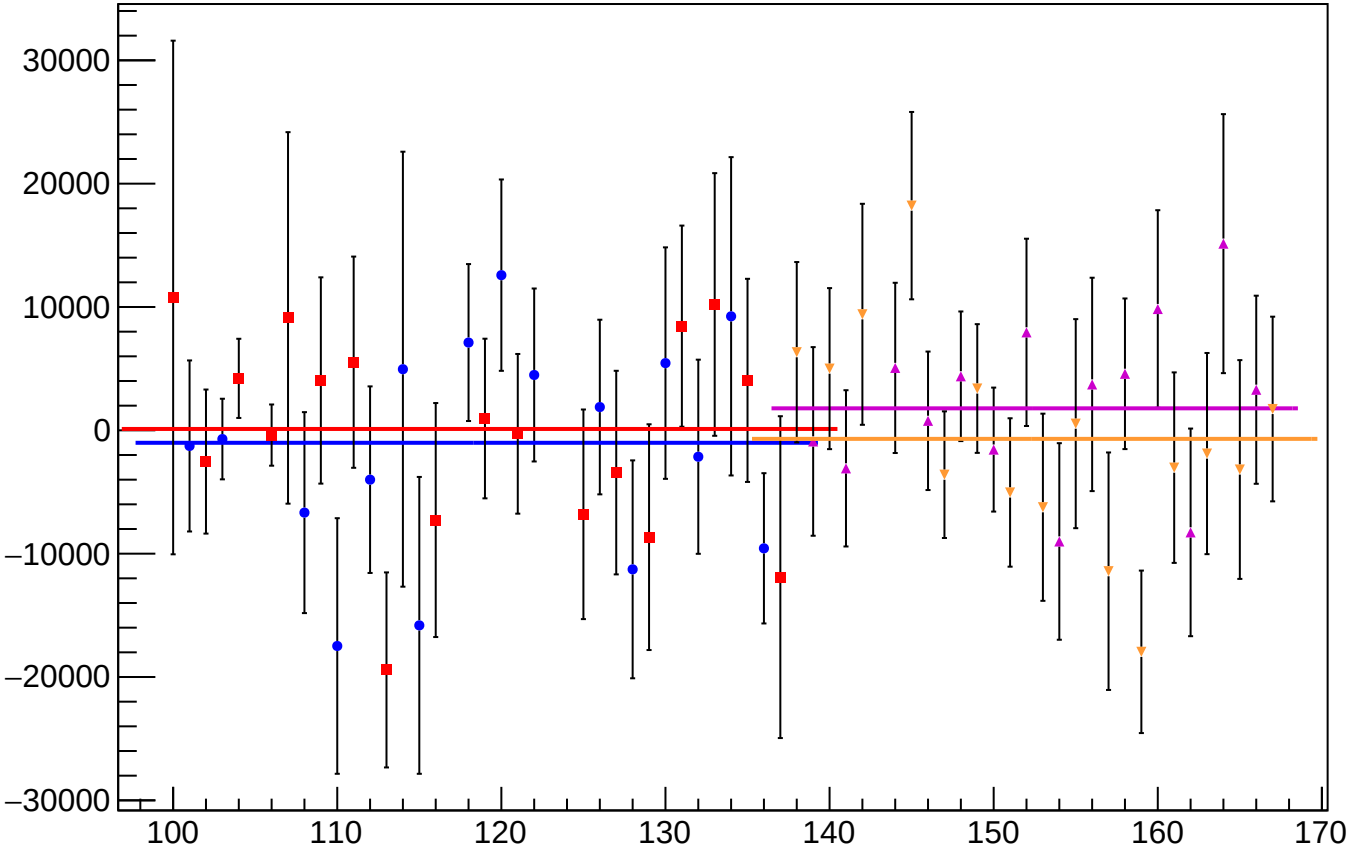
In: 4738.240+/-426.432 χ^2/NDF:31.4/29

Out: 3432.094+/-422.351 χ^2/NDF:32.0/32

All: 4078.887+/-300.080 χ^2/NDF: 68.1/62


reg_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1859.509+/-0.494 χ²/NDF: 292334.6/15
Left Out: 1826.991+/-0.376 χ²/NDF:8376.7/14
Right Out: 1852.065+/-0.490 χ²/NDF: 102212.5/17
Left In: 1828.553+/-0.381 χ²/NDF:7735.6/13
Left: 1827.763+/-0.267 χ²/NDF: 16120.8/28
Right: 1855.759+/-0.348 χ²/NDF: 394661.4/33
In: 1840.077+/-0.302 χ²/NDF:302533.1/29
Out: 1836.266+/-0.298 χ²/NDF:112235.7/32
All: 1838.151+/-0.212 χ²/NDF: 414849.5/62

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -692.006+/-1820.474 χ^2/NDF:19.6/14

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1783.253+/-1826.396 χ^2/NDF:8.5/13

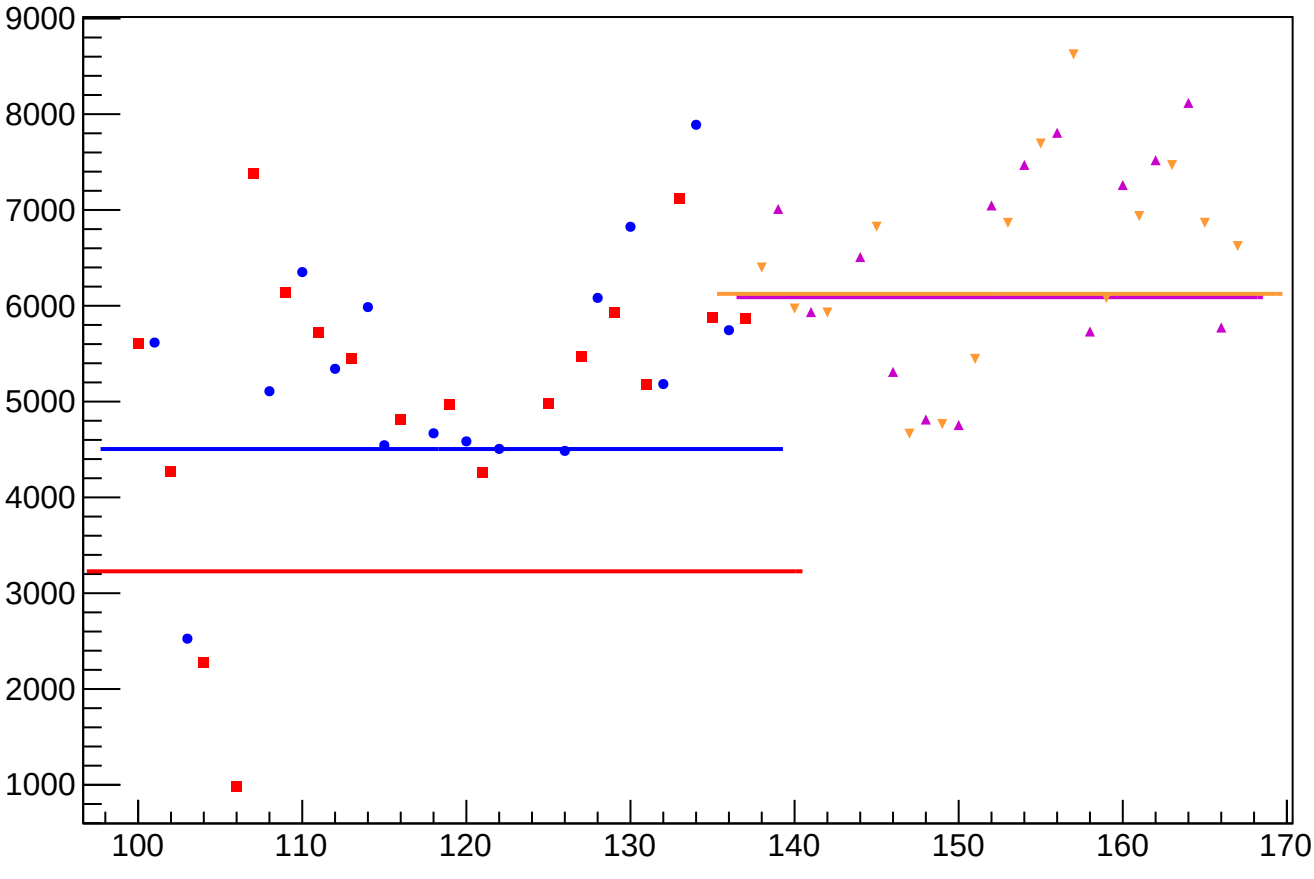
Left: 541.604+/-1289.358 χ^2/NDF: 29.0/28

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: 338.092+/-1268.889 χ^2/NDF:24.5/29

Out: -197.504+/-1128.674 χ^2/NDF:34.3/32

All: 39.078+/-843.326 χ^2/NDF: 58.9/62



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6124.536+/-1.287 χ^2/NDF:666400.5/14

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6089.653+/-1.291 χ^2/NDF:691099.4/13

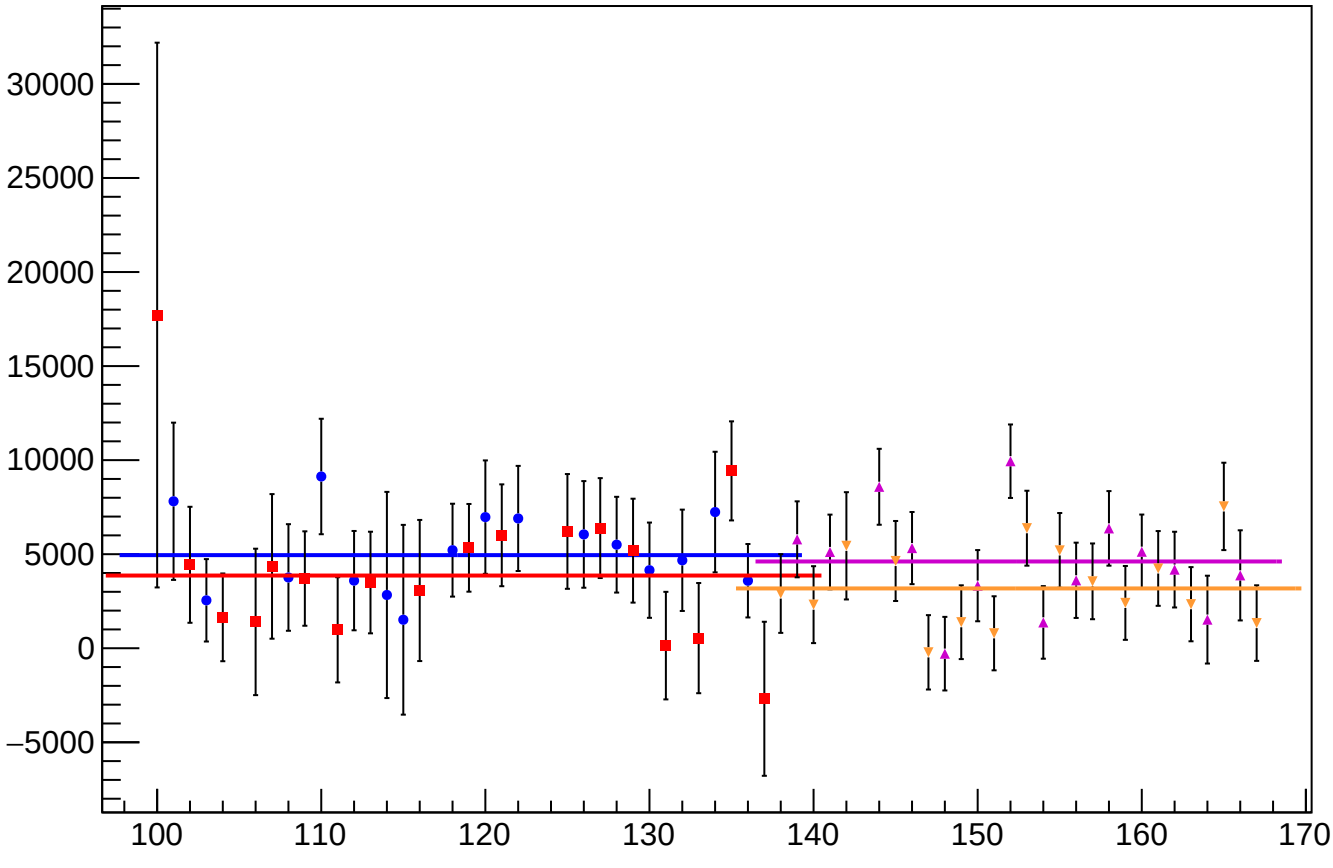
Left: 6107.151+/-0.912 χ^2/NDF: 1357865.9/28

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5269.767+/-0.897 χ^2/NDF:2791291.7/29

Out: 4341.761+/-0.798 χ^2/NDF:7738425.5/32

All: 4751.678+/-0.596 χ^2/NDF: 11126943.5/6



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3179.337+/-531.468 χ^2/NDF:15.2/14

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4612.626+/-538.212 χ^2/NDF:24.4/13

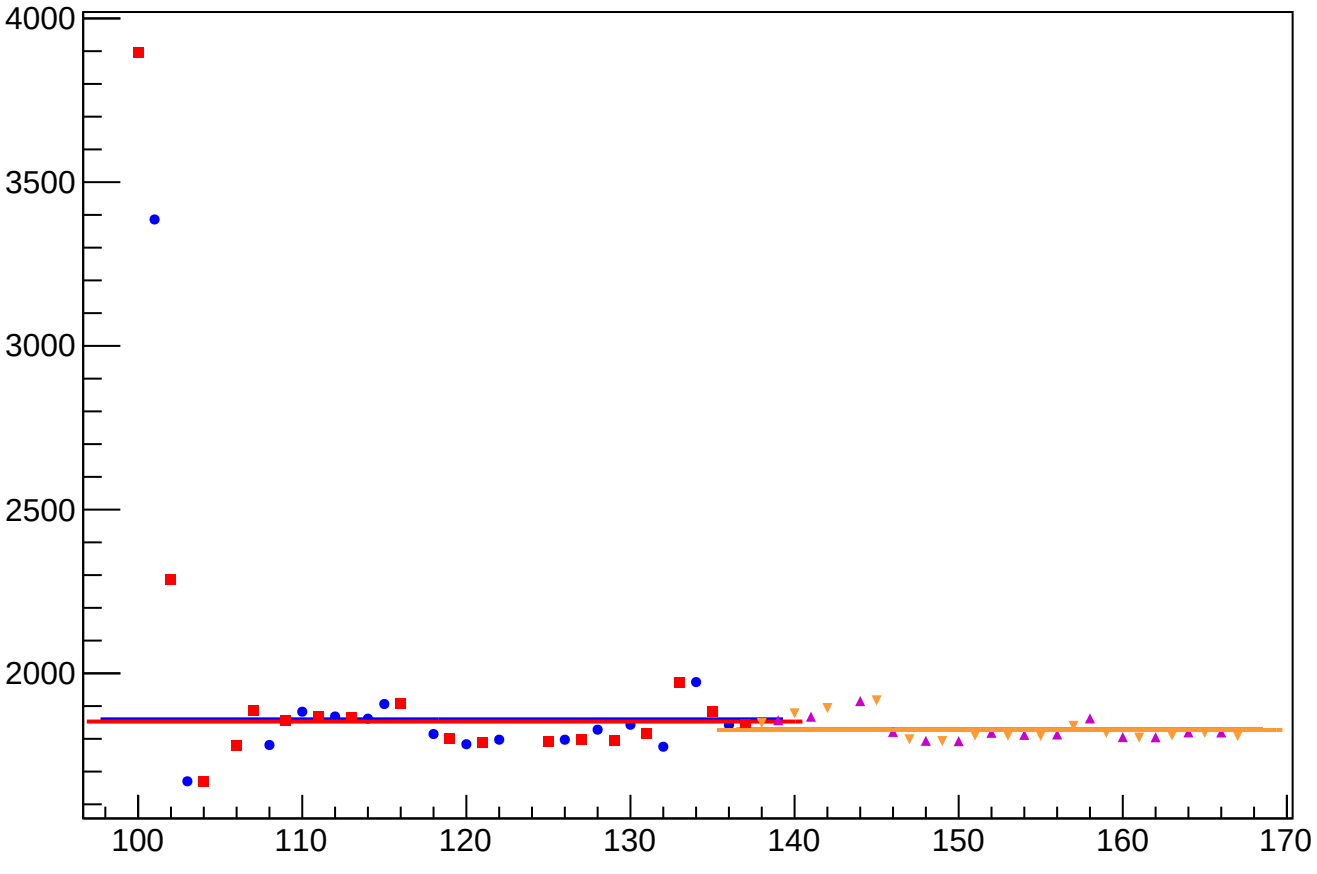
Left: 3886.945+/-378.166 χ^2/NDF: 43.2/28

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

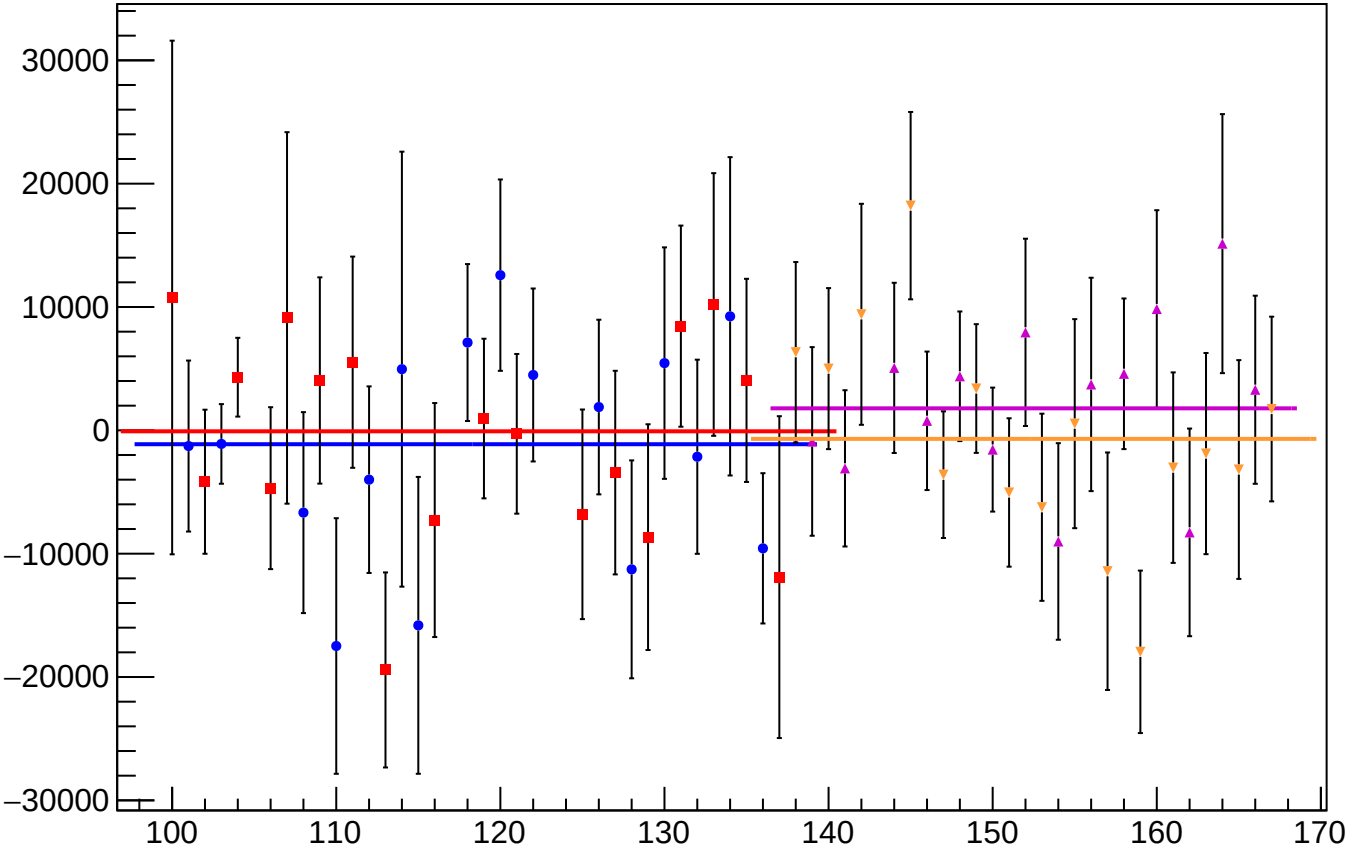
In: 4738.150+/-426.432 χ^2/NDF:31.4/29

Out: 3431.958+/-422.351 χ^2/NDF:32.0/32

All: 4078.774+/-300.080 χ^2/NDF: 68.1/62


cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1826.991+/-0.376 χ²/NDF:8376.7/14
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1828.553+/-0.381 χ²/NDF:7735.6/13
Left: 1827.763+/-0.267 χ²/NDF: 16120.8/28
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1840.077+/-0.302 χ²/NDF:302534.9/29
Out: 1836.523+/-0.298 χ²/NDF:111867.0/32
All: 1838.281+/-0.212 χ²/NDF: 414472.1/62

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -692.049+/-1820.472 χ^2/NDF:19.6/14

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1783.429+/-1826.396 χ^2/NDF:8.5/13

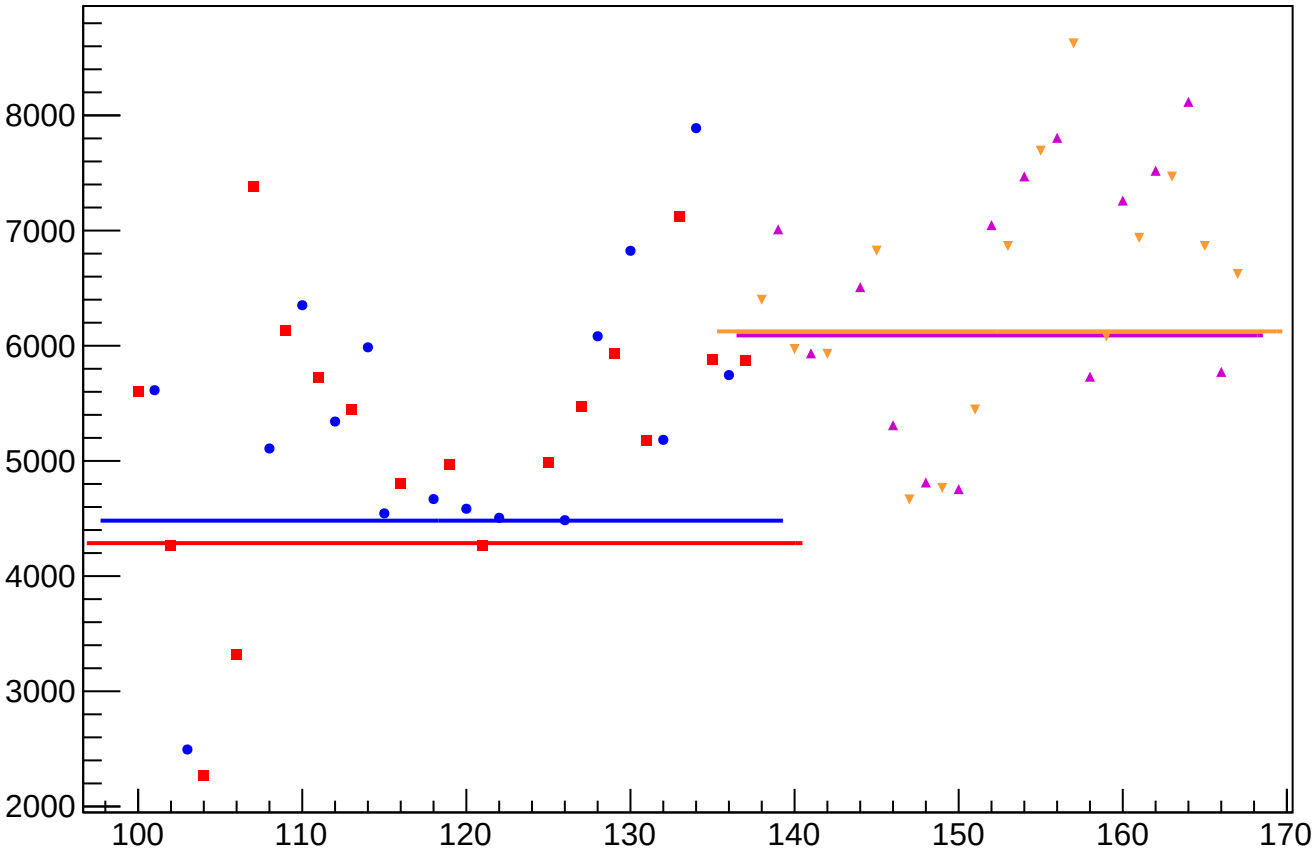
Left: 541.669+/-1289.357 χ^2/NDF: 29.0/28

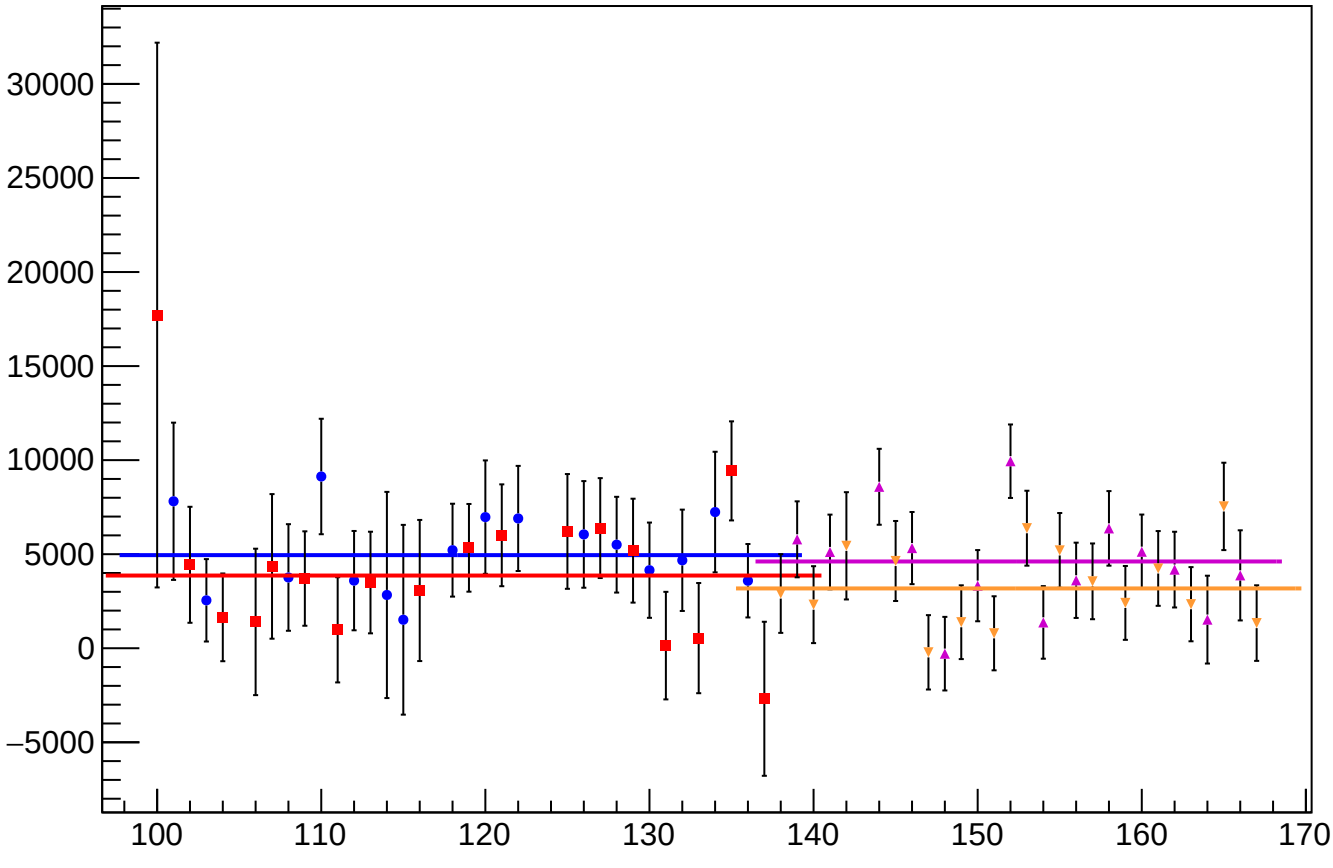
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 273.341+/-1266.537 χ^2/NDF:24.5/29

Out: -364.619+/-1243.443 χ^2/NDF:35.2/32

All: -51.508+/-887.299 χ^2/NDF: 59.9/62


asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4481.518+/-1.243 χ²/NDF: 1362255.0/15
Left Out: 6124.528+/-1.287 χ²/NDF:666406.4/14
Right Out: 4286.125+/-1.204 χ²/NDF: 1549852.7/17
Left In: 6089.653+/-1.291 χ²/NDF:691106.9/13
Left: 6107.147+/-0.912 χ²/NDF: 1357879.1/28
Right: 4380.692+/-0.865 χ²/NDF: 2924858.4/33
In: 5254.854+/-0.896 χ²/NDF:2858266.4/29
Out: 5143.804+/-0.879 χ²/NDF:3304311.4/32
All: 5198.307+/-0.627 χ²/NDF: 6170407.2/62



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3179.337+/-531.468 χ^2/NDF:15.2/14

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4612.626+/-538.212 χ^2/NDF:24.4/13

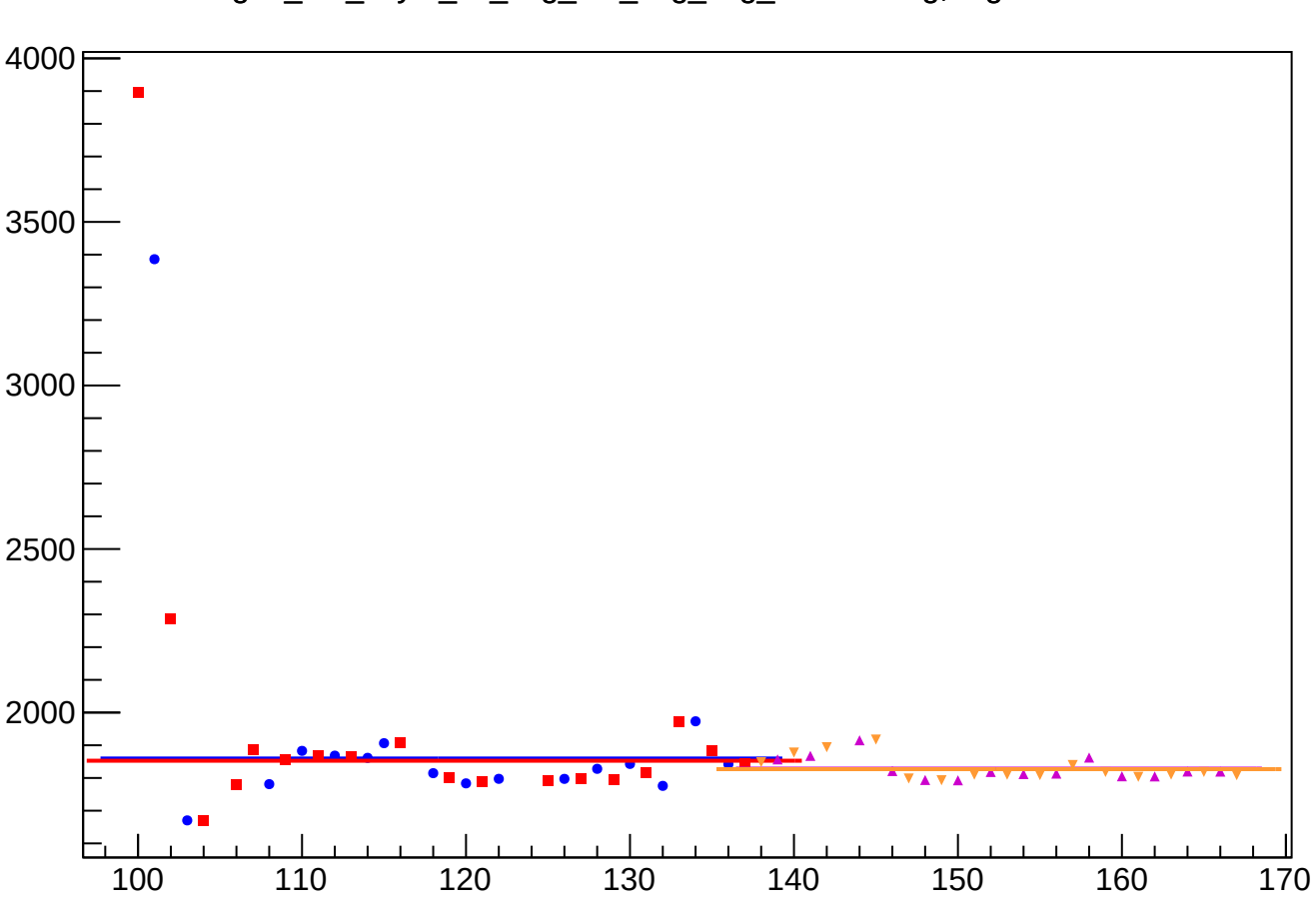
Left: 3886.945+/-378.166 χ^2/NDF: 43.2/28

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

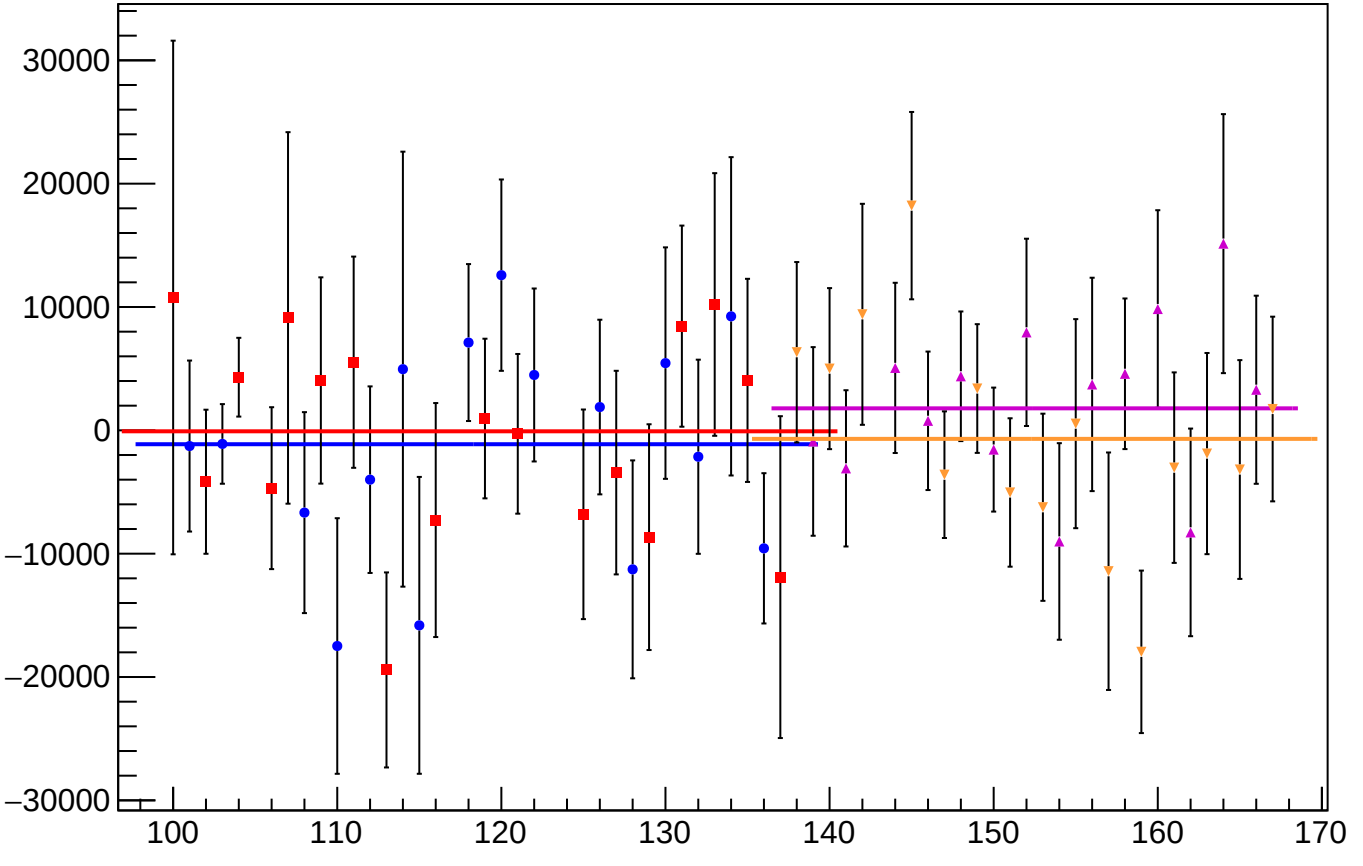
In: 4738.150+/-426.432 χ^2/NDF:31.4/29

Out: 3431.958+/-422.351 χ^2/NDF:32.0/32

All: 4078.774+/-300.080 χ^2/NDF: 68.1/62


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1826.991+/-0.376 χ²/NDF:8376.7/14
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1828.553+/-0.381 χ²/NDF:7735.6/13
Left: 1827.763+/-0.267 χ²/NDF: 16120.8/28
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1840.077+/-0.302 χ²/NDF:302534.9/29
Out: 1836.523+/-0.298 χ²/NDF:111867.0/32
All: 1838.281+/-0.212 χ²/NDF: 414472.1/62

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -692.049+/-1820.472 χ^2/NDF:19.6/14

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1783.429+/-1826.396 χ^2/NDF:8.5/13

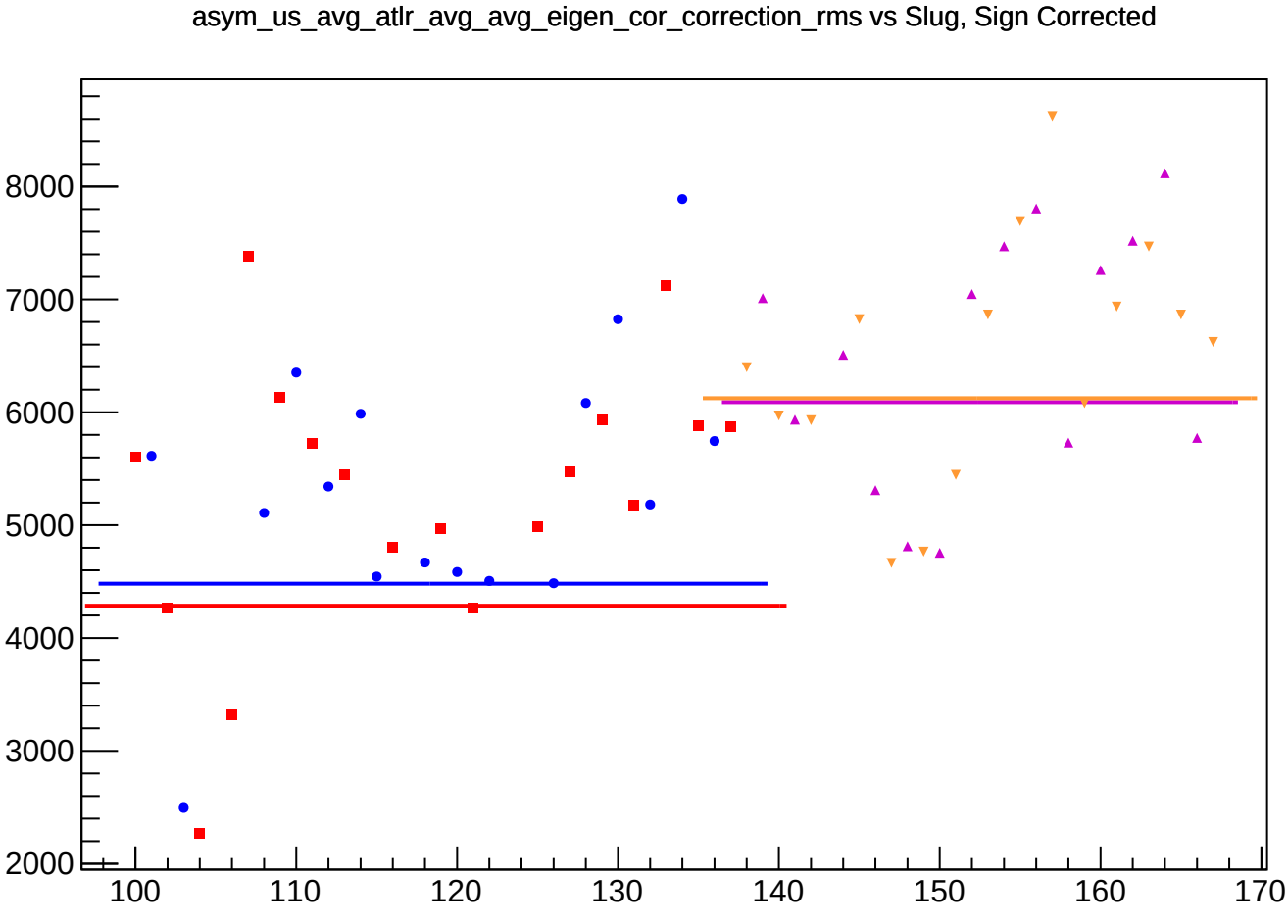
Left: 541.669+/-1289.357 χ^2/NDF: 29.0/28

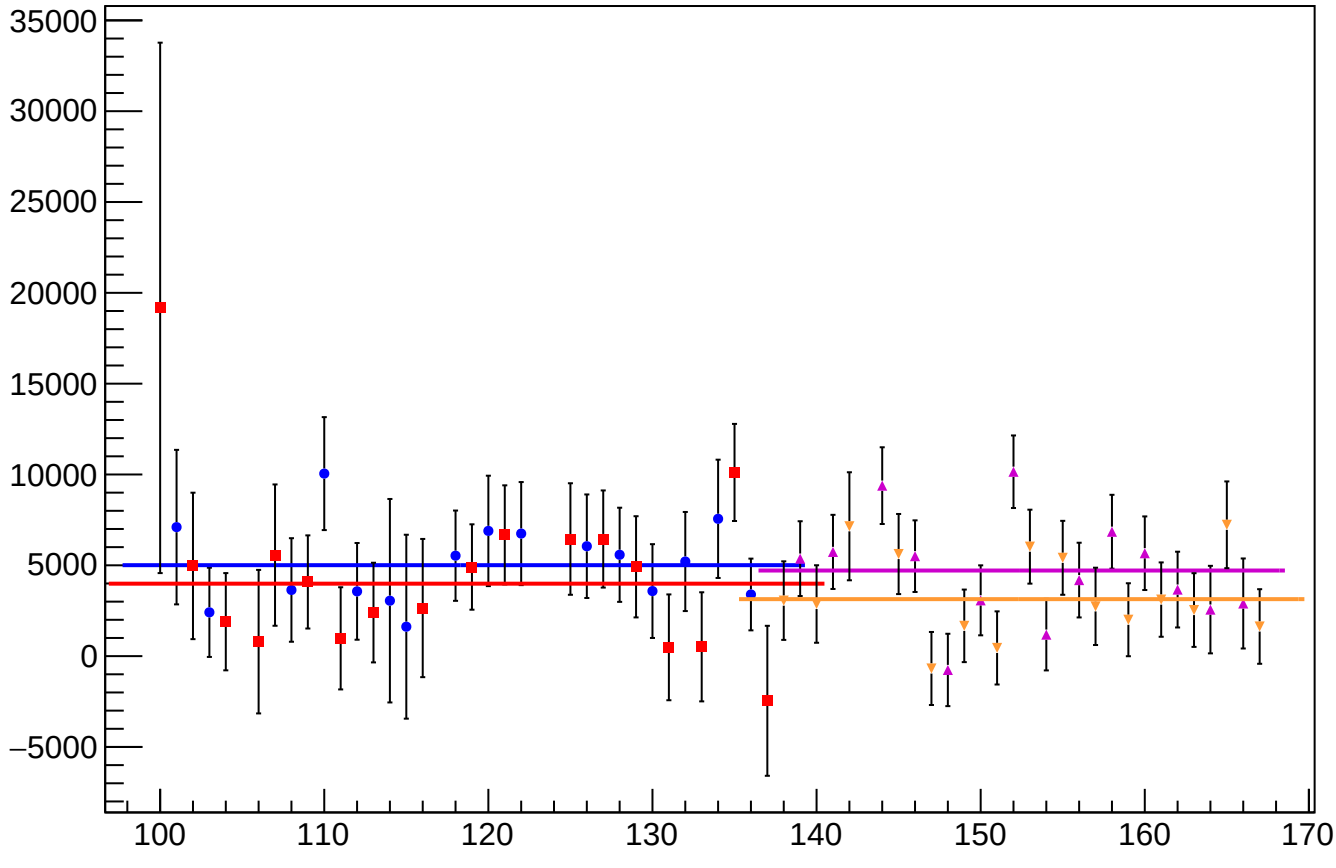
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 273.341+/-1266.537 χ^2/NDF:24.5/29

Out: -364.619+/-1243.443 χ^2/NDF:35.2/32

All: -51.508+/-887.299 χ^2/NDF: 59.9/62


asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4481.518+/-1.243 χ²/NDF: 1362255.0/15
Left Out: 6124.528+/-1.287 χ²/NDF:666406.4/14
Right Out: 4286.125+/-1.204 χ²/NDF: 1549852.7/17
Left In: 6089.653+/-1.291 χ²/NDF:691106.9/13
Left: 6107.147+/-0.912 χ²/NDF: 1357879.1/28
Right: 4380.692+/-0.865 χ²/NDF: 2924858.4/33
In: 5254.854+/-0.896 χ²/NDF:2858266.4/29
Out: 5143.804+/-0.879 χ²/NDF:3304311.4/32
All: 5198.307+/-0.627 χ²/NDF: 6170407.2/62



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3137.287+/-546.934 χ^2/NDF:16.2/14

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4713.167+/-552.613 χ^2/NDF:27.3/13

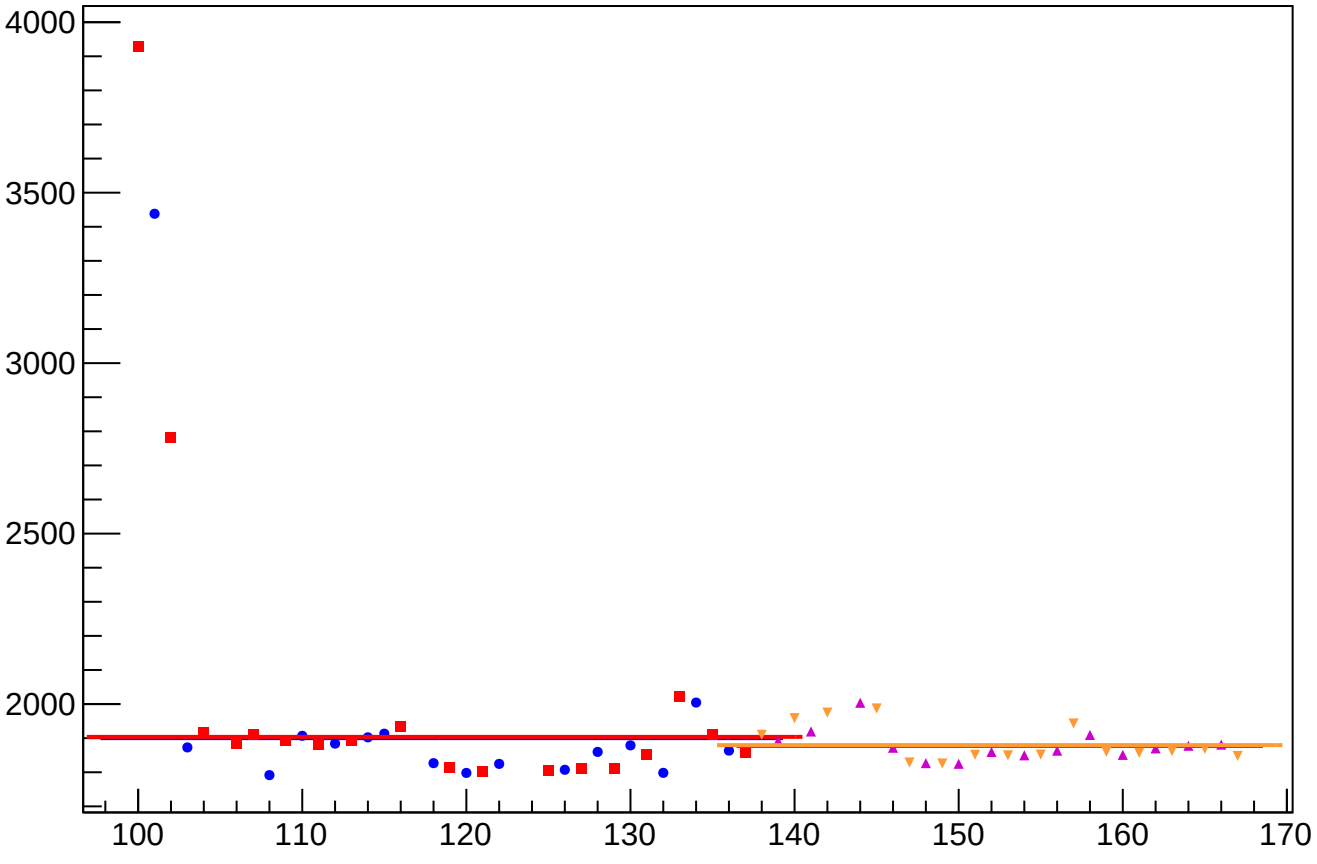
Left: 3917.088+/-388.733 χ^2/NDF: 47.6/28

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4823.349+/-437.026 χ^2/NDF:35.1/29

Out: 3449.536+/-435.309 χ^2/NDF:34.5/32

All: 4133.739+/-308.415 χ^2/NDF: 74.5/62



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1879.579+/-0.387 χ^2/NDF:16766.6/14

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1877.108+/-0.391 χ^2/NDF:12424.1/13

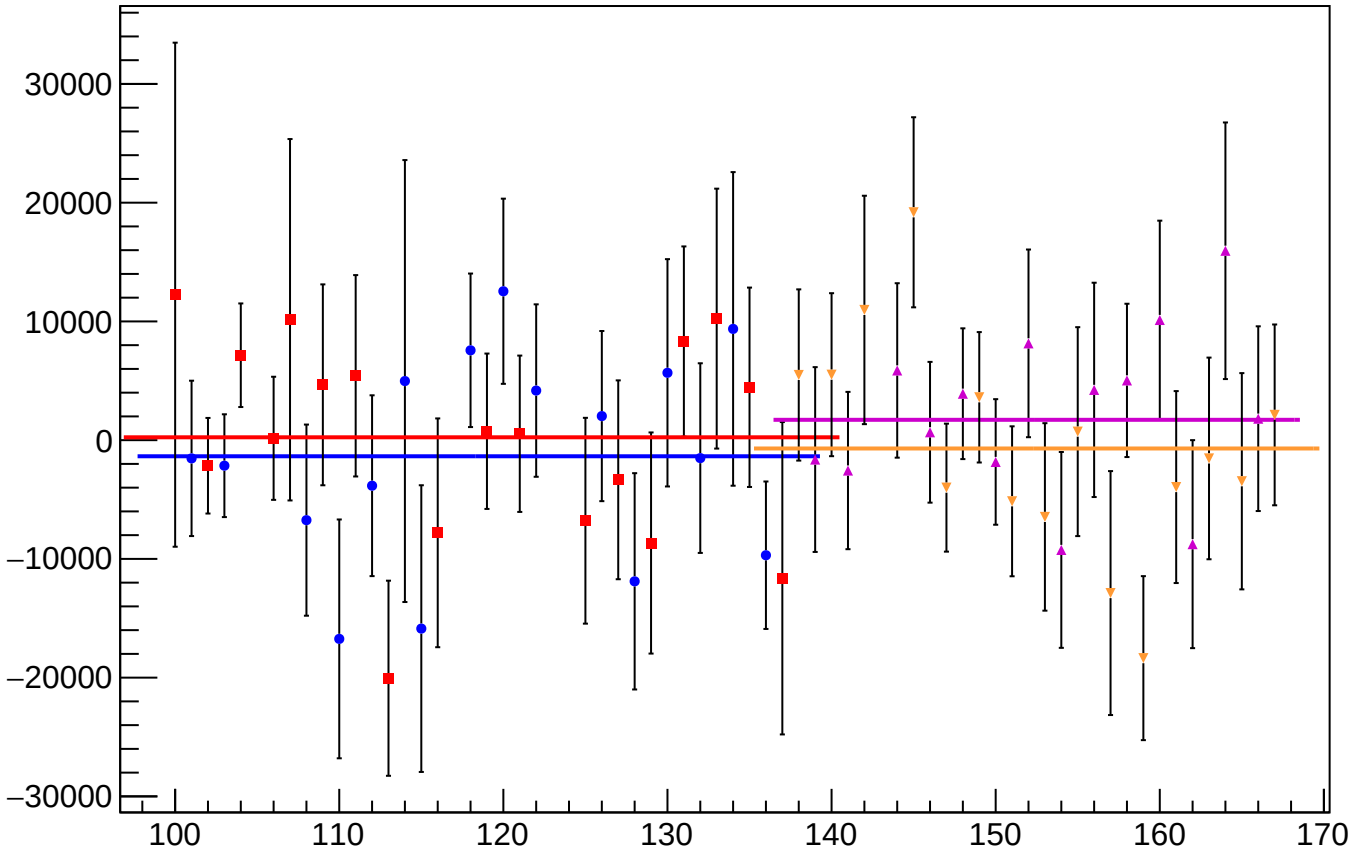
Left: 1878.356+/-0.275 χ^2/NDF: 29210.9/28

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1885.724+/-0.309 χ^2/NDF:292170.5/29

Out: 1888.479+/-0.308 χ^2/NDF:168325.3/32

All: 1887.107+/-0.218 χ^2/NDF: 460535.7/62



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -701.473+/-1898.507 χ^2/NDF:19.6/14

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1713.539+/-1908.814 χ^2/NDF:8.5/13

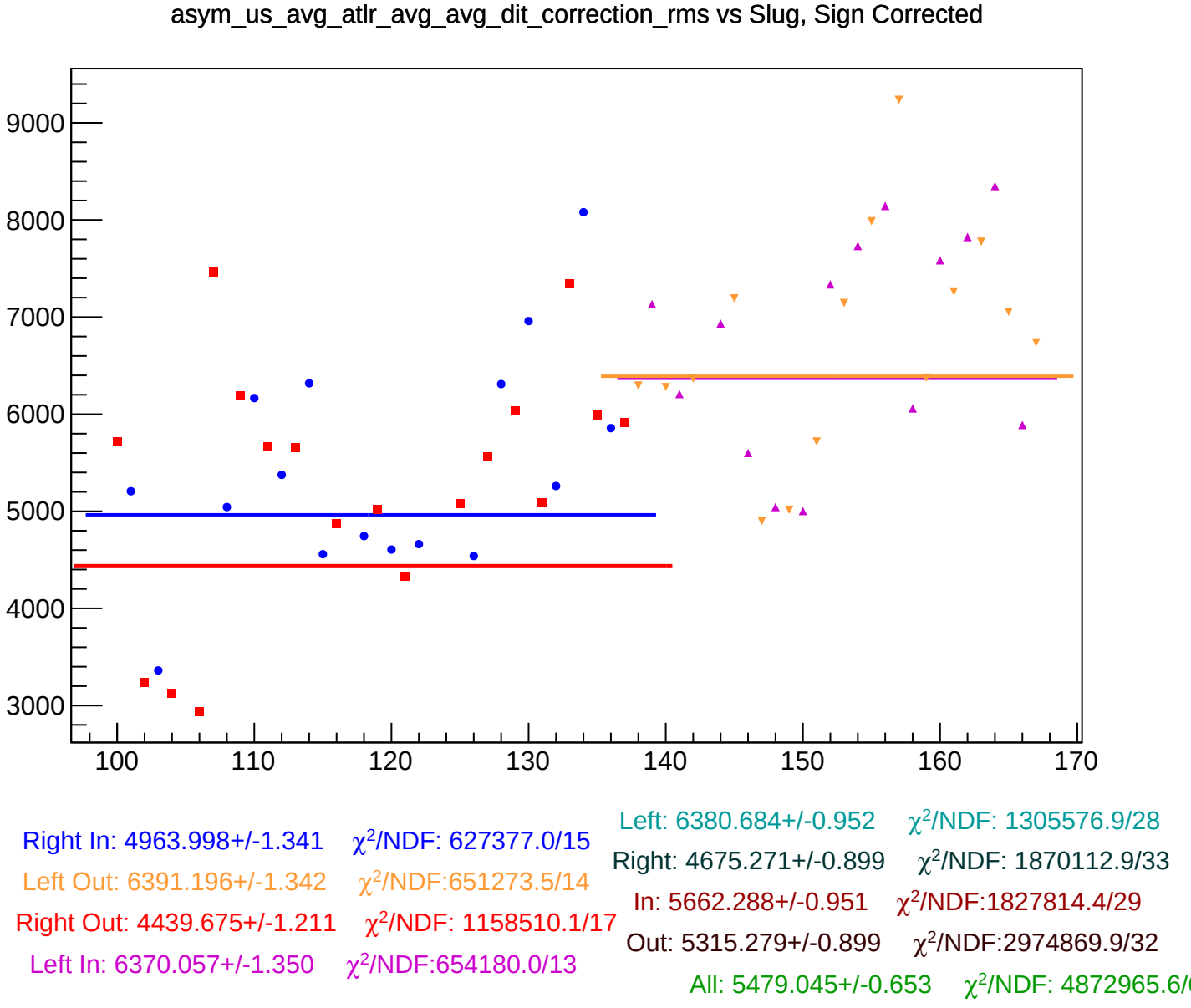
Left: 499.495+/-1346.076 χ^2/NDF: 28.9/28

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: 168.114+/-1345.178 χ^2/NDF:24.5/29

Out: -181.782+/-1271.684 χ^2/NDF:35.5/32

All: -16.653+/-924.107 χ^2/NDF: 60.0/62


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
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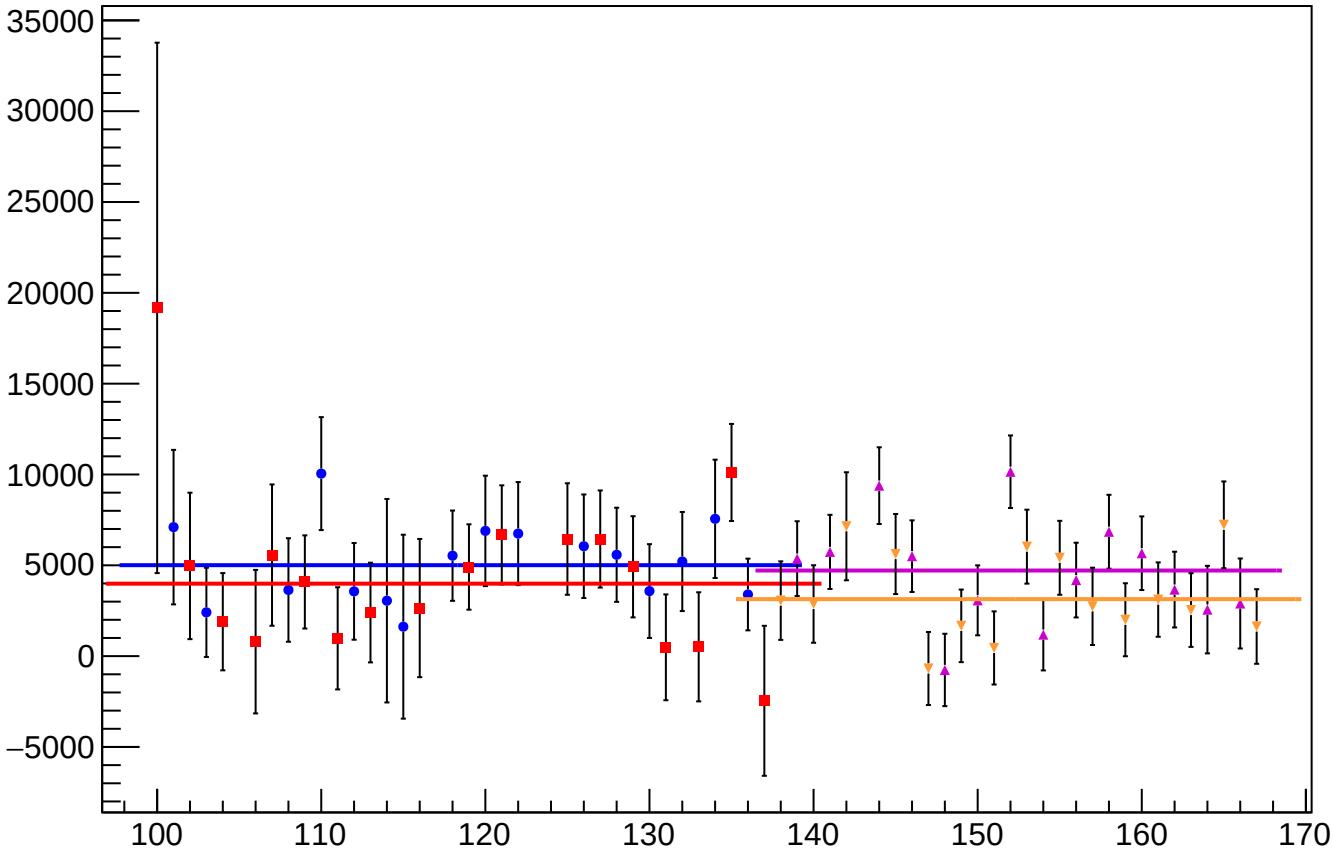
150
160
170
Right In: 4963.998+/-1.341 χ²/NDF: 627377.0/15
Left Out: 6391.196+/-1.342 χ²/NDF:651273.5/14
Right Out: 4439.675+/-1.211 χ²/NDF: 1158510.1/17
Left In: 6370.057+/-1.350 χ²/NDF:654180.0/13
Left: 6380.684+/-0.952 χ²/NDF: 1305576.9/28
Right: 4675.271+/-0.899 χ²/NDF: 1870112.9/33
In: 5662.288+/-0.951 χ²/NDF:1827814.4/29
Out: 5315.279+/-0.899 χ²/NDF:2974869.9/32
All: 5479.045+/-0.653 χ²/NDF: 4872965.6/62



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3137.277+/-546.934 χ^2/NDF:16.2/14

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4713.171+/-552.613 χ^2/NDF:27.3/13

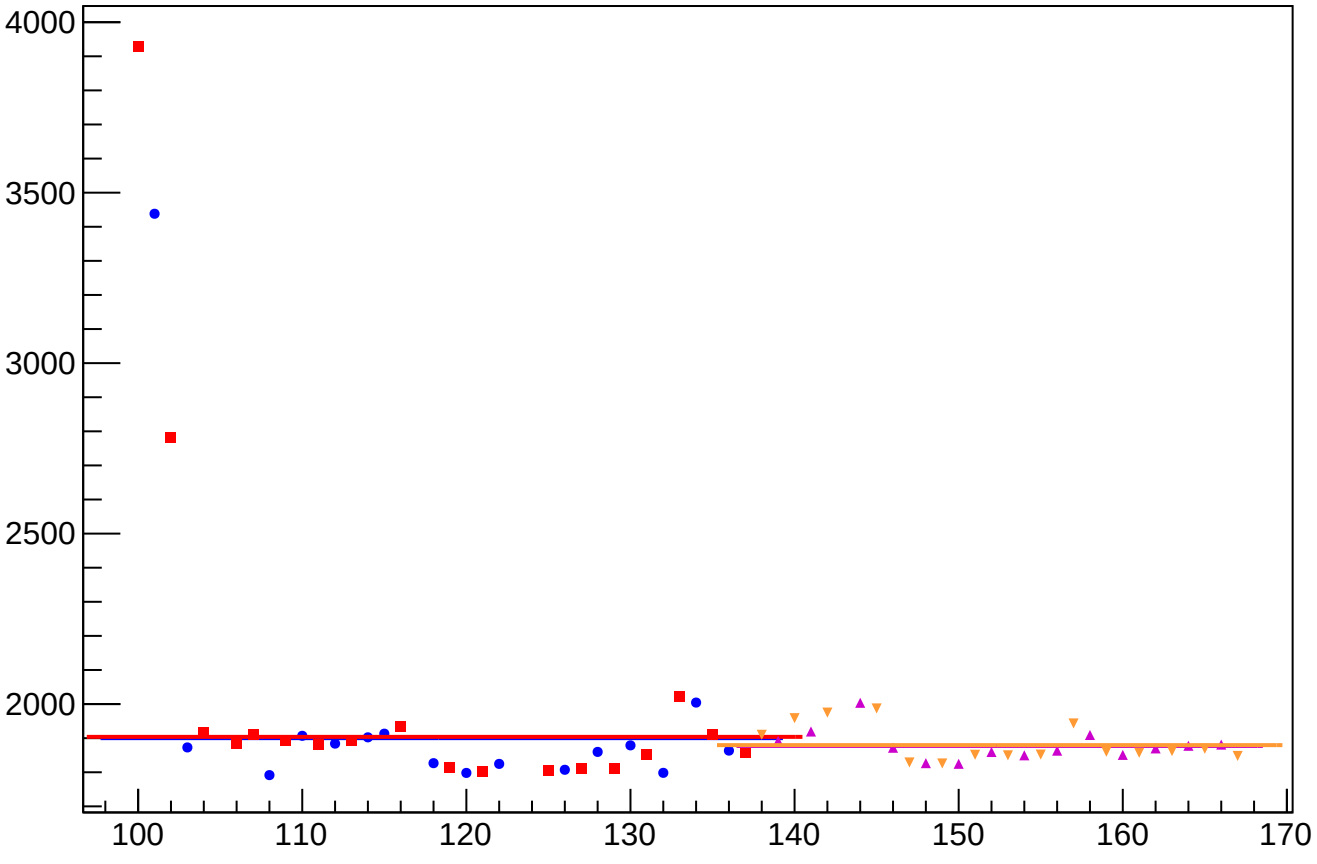
Left: 3917.085+/-388.733 χ^2/NDF: 47.6/28

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4823.351+/-437.026 χ^2/NDF:35.1/29

Out: 3449.529+/-435.310 χ^2/NDF:34.5/32

All: 4133.737+/-308.415 χ^2/NDF: 74.5/62



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1879.580+/-0.387 χ^2/NDF:16766.9/14

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1877.109+/-0.391 χ^2/NDF:12424.2/13

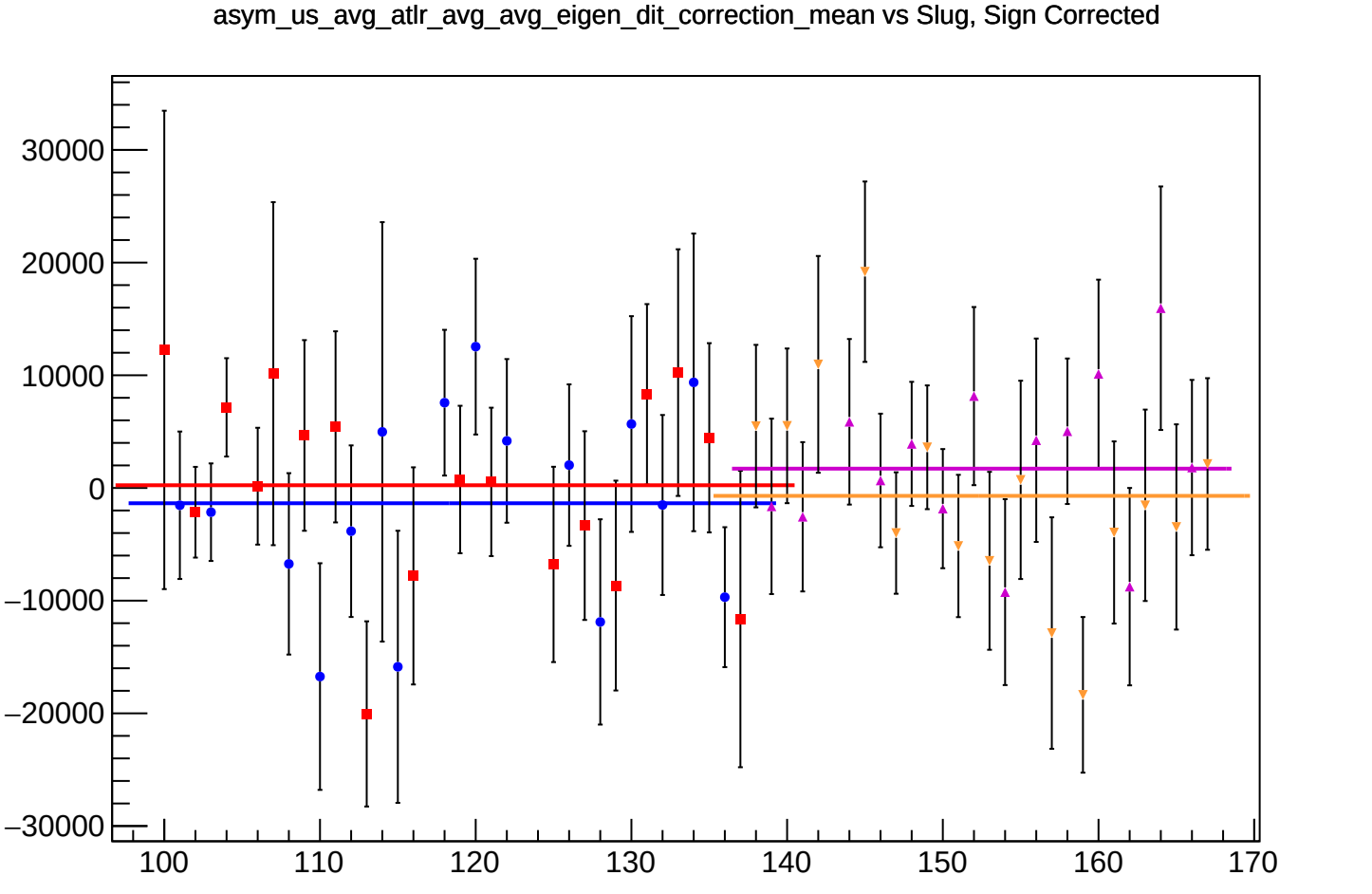
Left: 1878.357+/-0.275 χ^2/NDF: 29211.3/28

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1885.725+/-0.309 χ^2/NDF:292170.6/29

Out: 1888.479+/-0.308 χ^2/NDF:168324.6/32

All: 1887.108+/-0.218 χ^2/NDF: 460535.1/62



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -701.482+/-1898.510 χ^2/NDF:19.6/14

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 1713.539+/-1908.817 χ^2/NDF:8.5/13

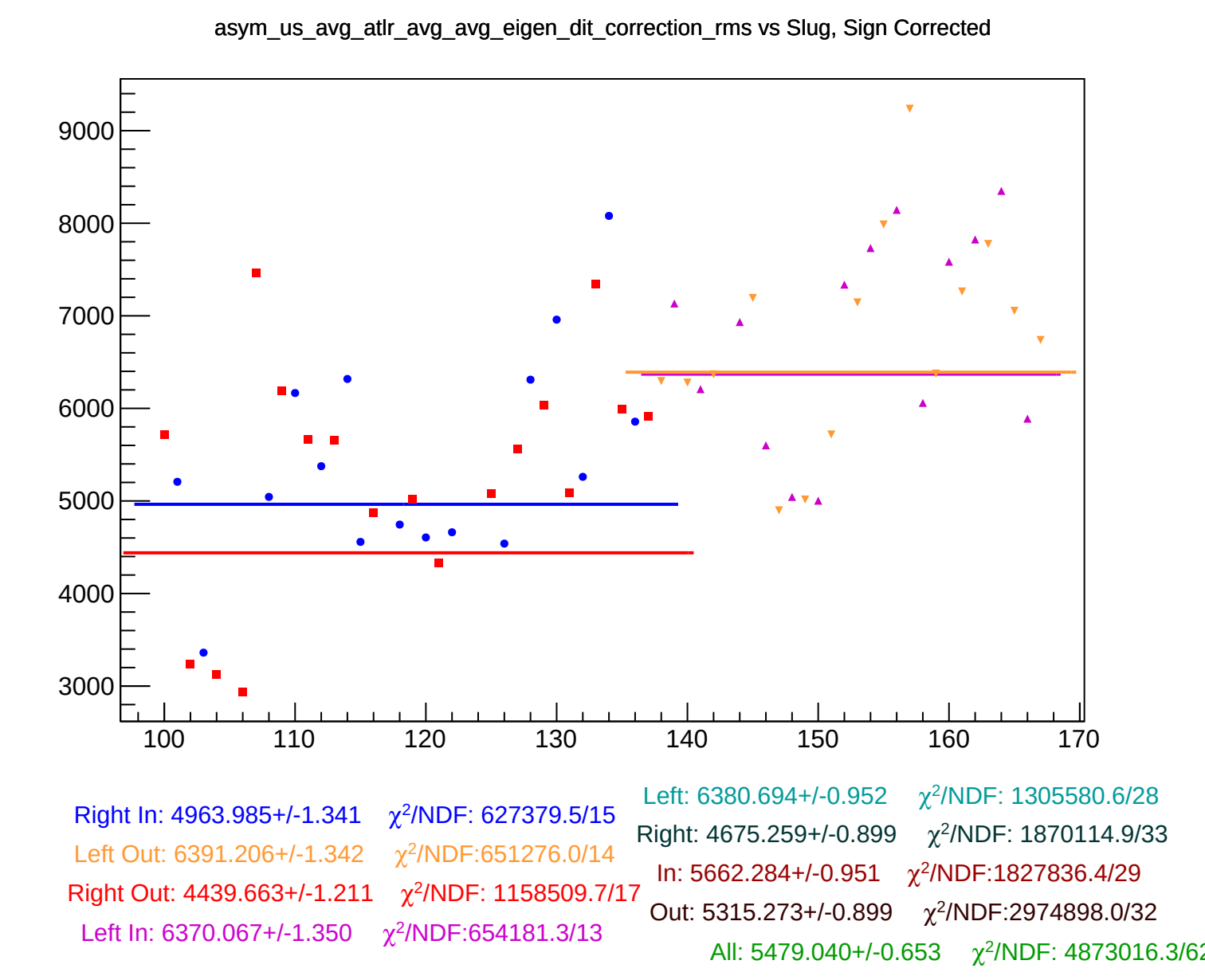
Left: 499.491+/-1346.078 χ^2/NDF: 28.9/28

Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: 168.113+/-1345.178 χ^2/NDF:24.5/29

Out: -181.783+/-1271.683 χ^2/NDF:35.5/32

All: -16.654+/-924.106 χ^2/NDF: 60.0/62


asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
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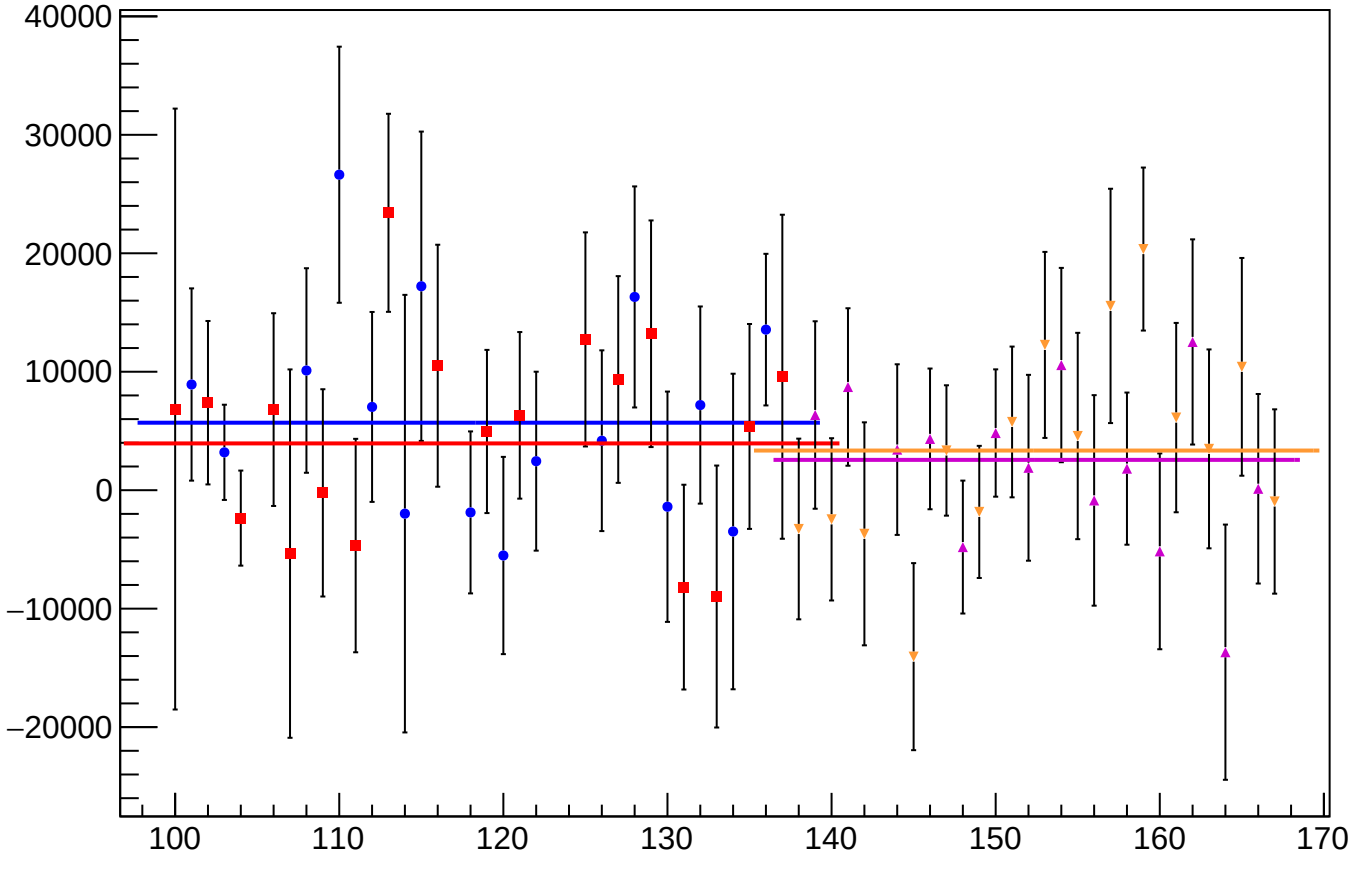
Right In: 4963.985+/-1.341 χ²/NDF: 627379.5/15
Left Out: 6391.206+/-1.342 χ²/NDF:651276.0/14
Right Out: 4439.663+/-1.211 χ²/NDF: 1158509.7/17
Left In: 6370.067+/-1.350 χ²/NDF:654181.3/13
Left: 6380.694+/-0.952 χ²/NDF: 1305580.6/28
Right: 4675.259+/-0.899 χ²/NDF: 1870114.9/33
In: 5662.284+/-0.951 χ²/NDF:1827836.4/29
Out: 5315.273+/-0.899 χ²/NDF:2974898.0/32
All: 5479.040+/-0.653 χ²/NDF: 4873016.3/62

asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3347.654+/-1908.114 χ^2/NDF:17.9/14

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 2559.180+/-1914.473 χ^2/NDF:8.8/13

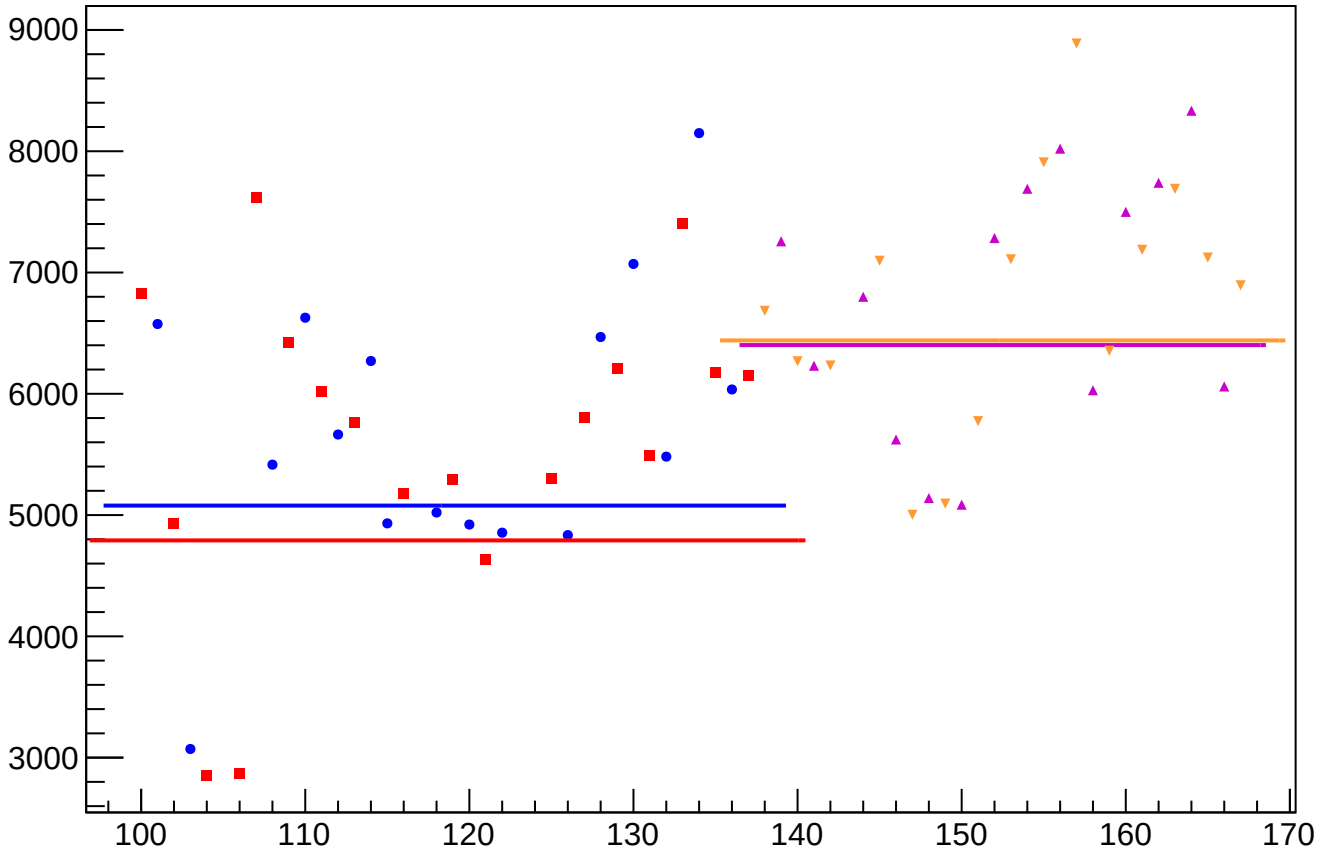
Left: 2954.728+/-1351.483 χ^2/NDF: 26.7/28

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4091.960+/-1369.281 χ^2/NDF:22.7/29

Out: 3646.564+/-1353.627 χ^2/NDF:34.0/32

All: 3866.701+/-962.646 χ^2/NDF: 56.8/62



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6440.102+/-1.349 χ^2/NDF:566767.9/14

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6401.815+/-1.354 χ^2/NDF:585147.8/13

Left: 6421.022+/-0.956 χ^2/NDF: 1152317.0/28

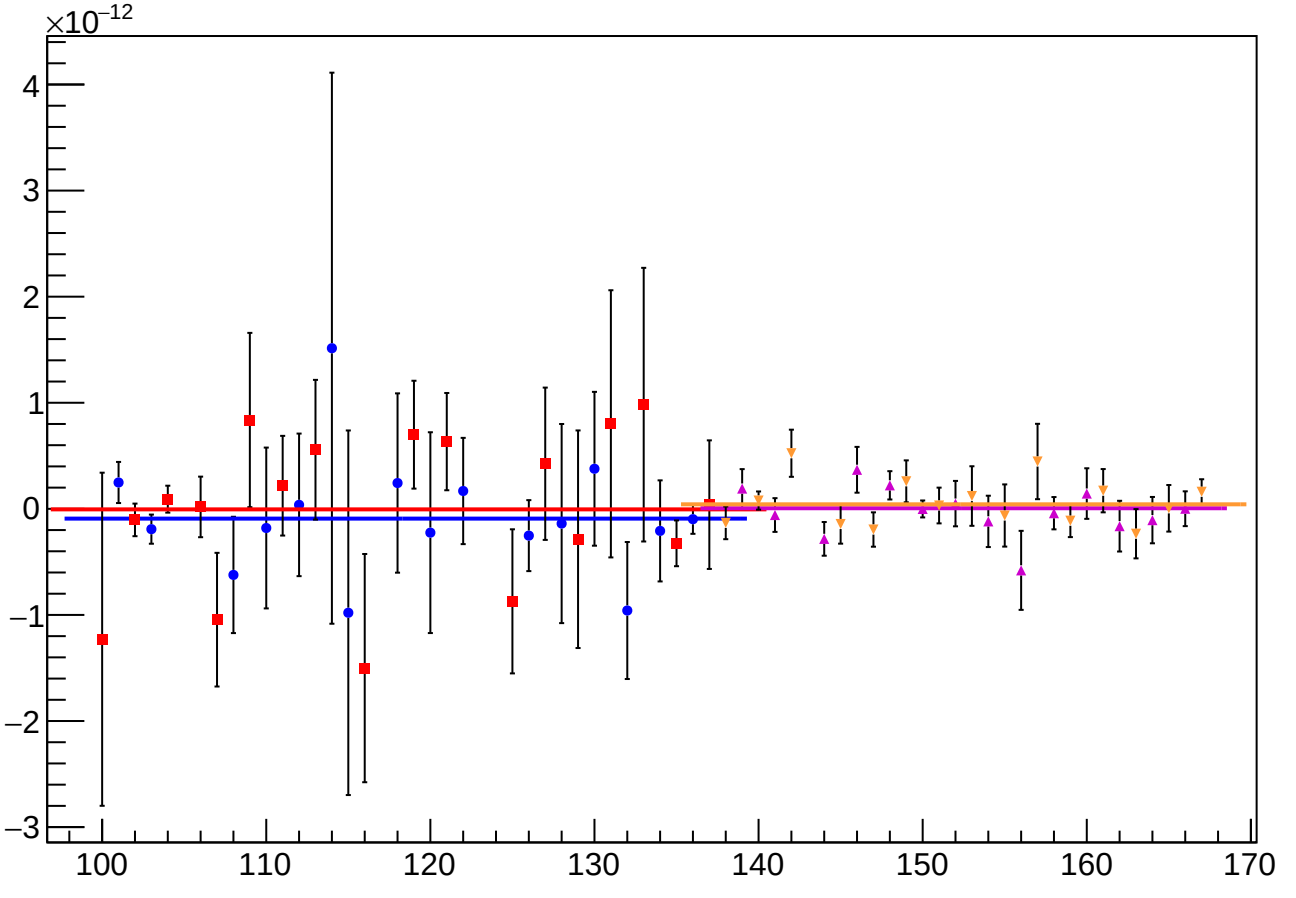
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5755.261+/-0.968 χ^2/NDF:1971351.8/29

Out: 5604.224+/-0.947 χ^2/NDF:2486354.6/32

All: 5678.104+/-0.677 χ^2/NDF: 4470137.5/62

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:13.9/13

Left: 0.000+/-0.000 χ^2/NDF: 30.1/28

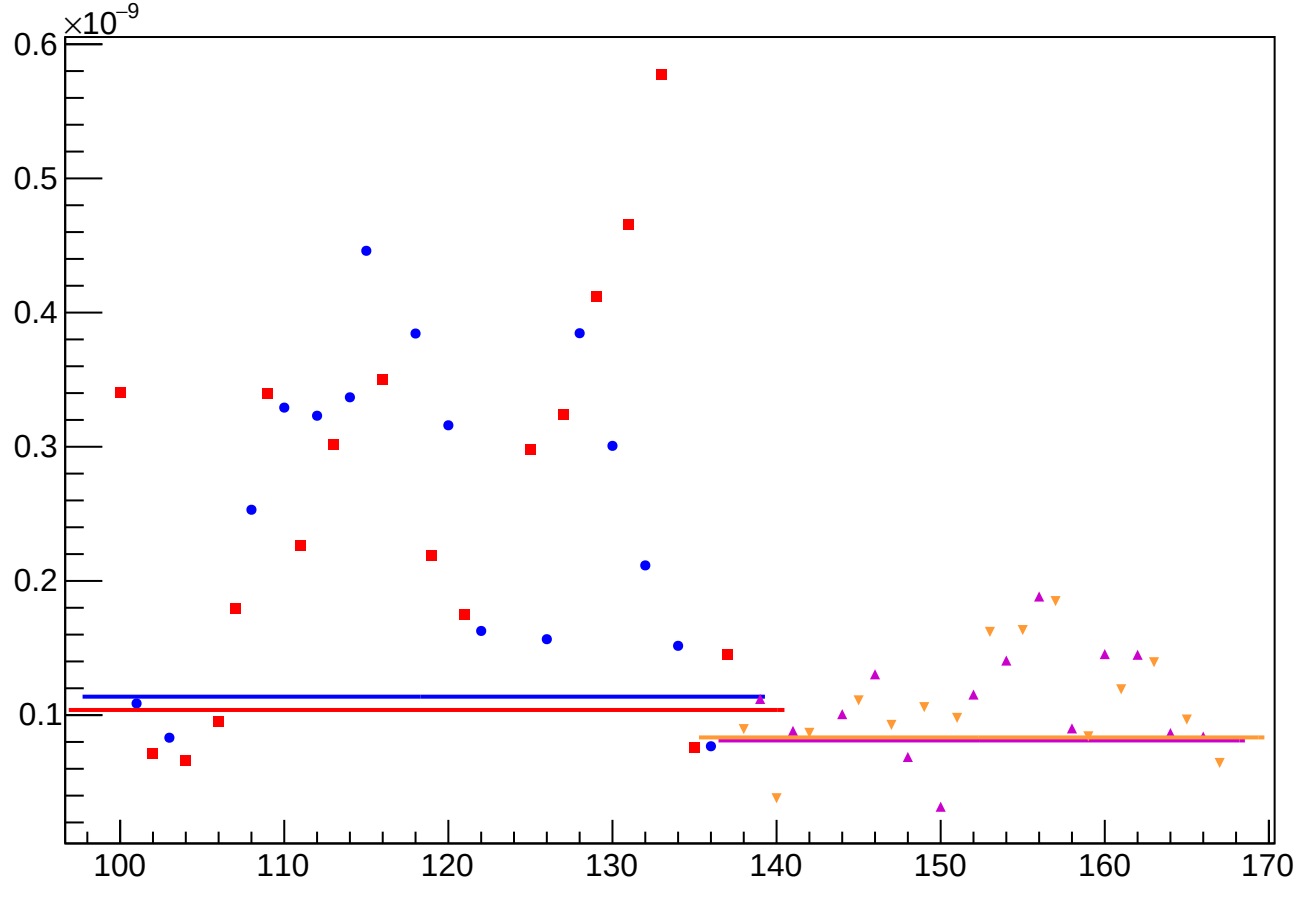
Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:23.3/29

Out: 0.000+/-0.000 χ^2/NDF:33.5/32

All: 0.000+/-0.000 χ^2/NDF: 57.7/62

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1361552.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1613306.2/13

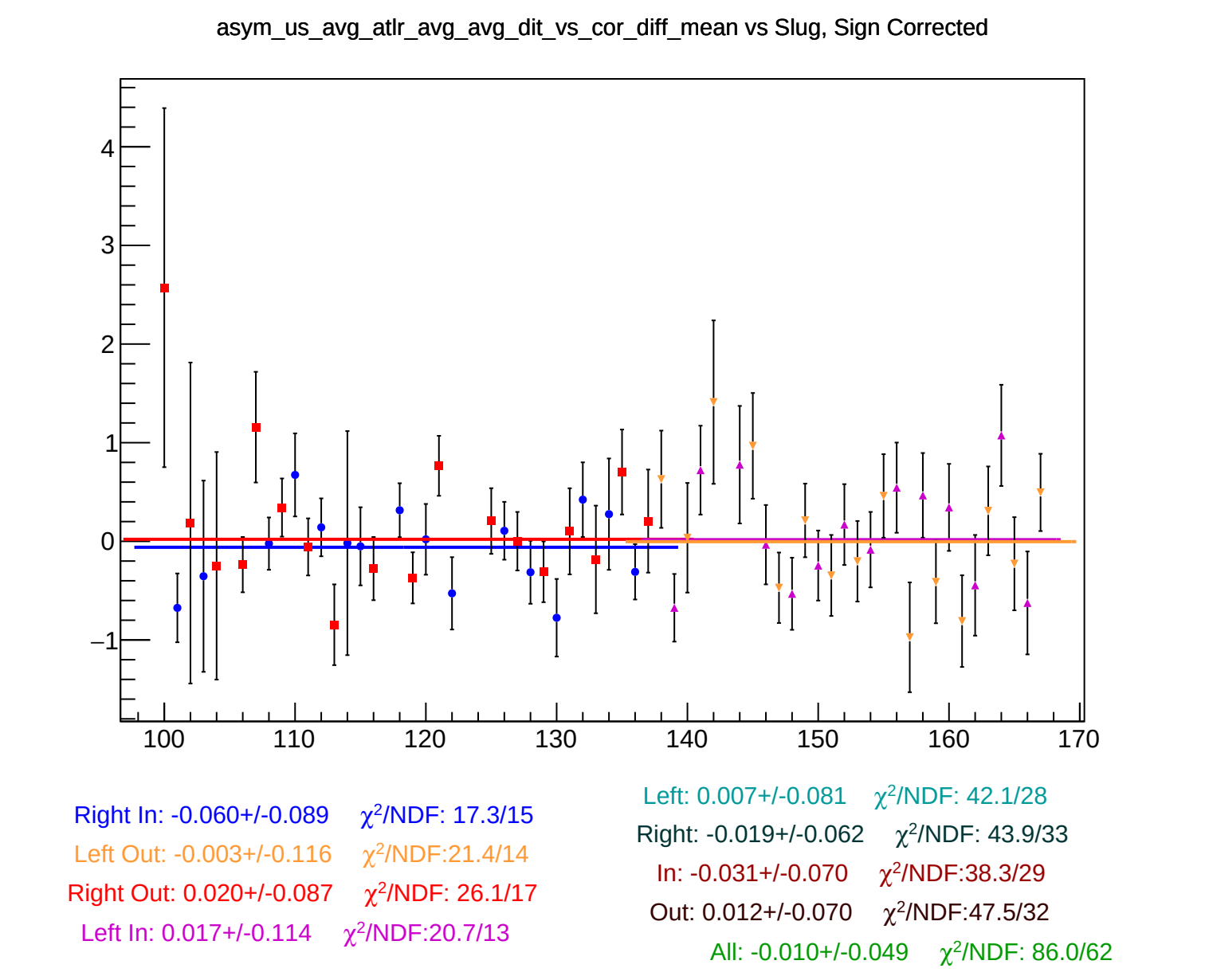
Left: 0.000+/-0.000 χ^2/NDF: 2977553.0/28

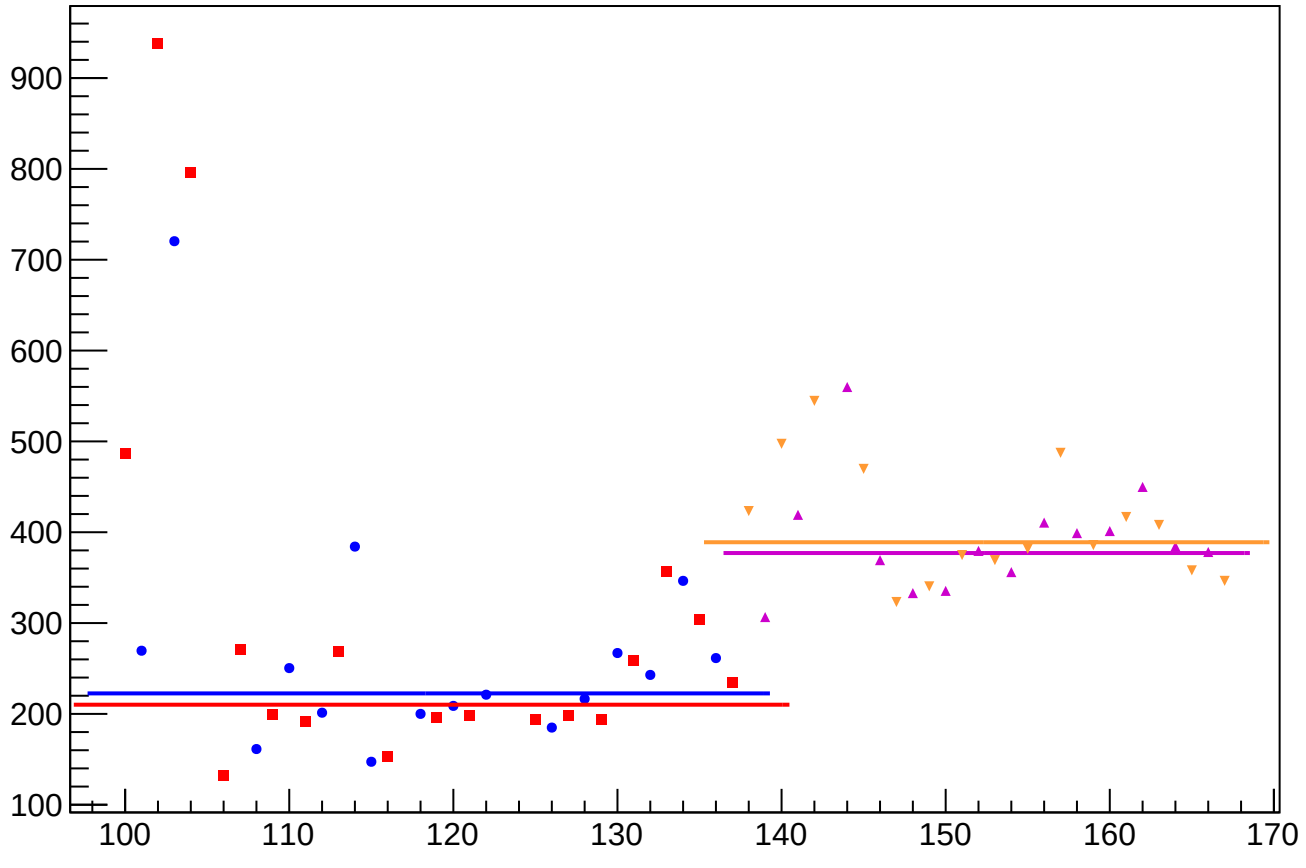
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3405763.7/29

Out: 0.000+/-0.000 χ^2/NDF:3556209.2/32

All: 0.000+/-0.000 χ^2/NDF: 6962275.4/62


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.003+/-0.116 χ²/NDF:21.4/14
Right Out: 0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.017+/-0.114 χ²/NDF:20.7/13
Left: 0.007+/-0.081 χ²/NDF: 42.1/28
Right: -0.019+/-0.062 χ²/NDF: 43.9/33
In: -0.031+/-0.070 χ²/NDF:38.3/29
Out: 0.012+/-0.070 χ²/NDF:47.5/32
All: -0.010+/-0.049 χ²/NDF: 86.0/62



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 388.983+/-0.082 χ^2/NDF:416654.3/14

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.101+/-0.080 χ^2/NDF:416690.7/13

Left: 382.926+/-0.057 χ^2/NDF: 844043.1/28

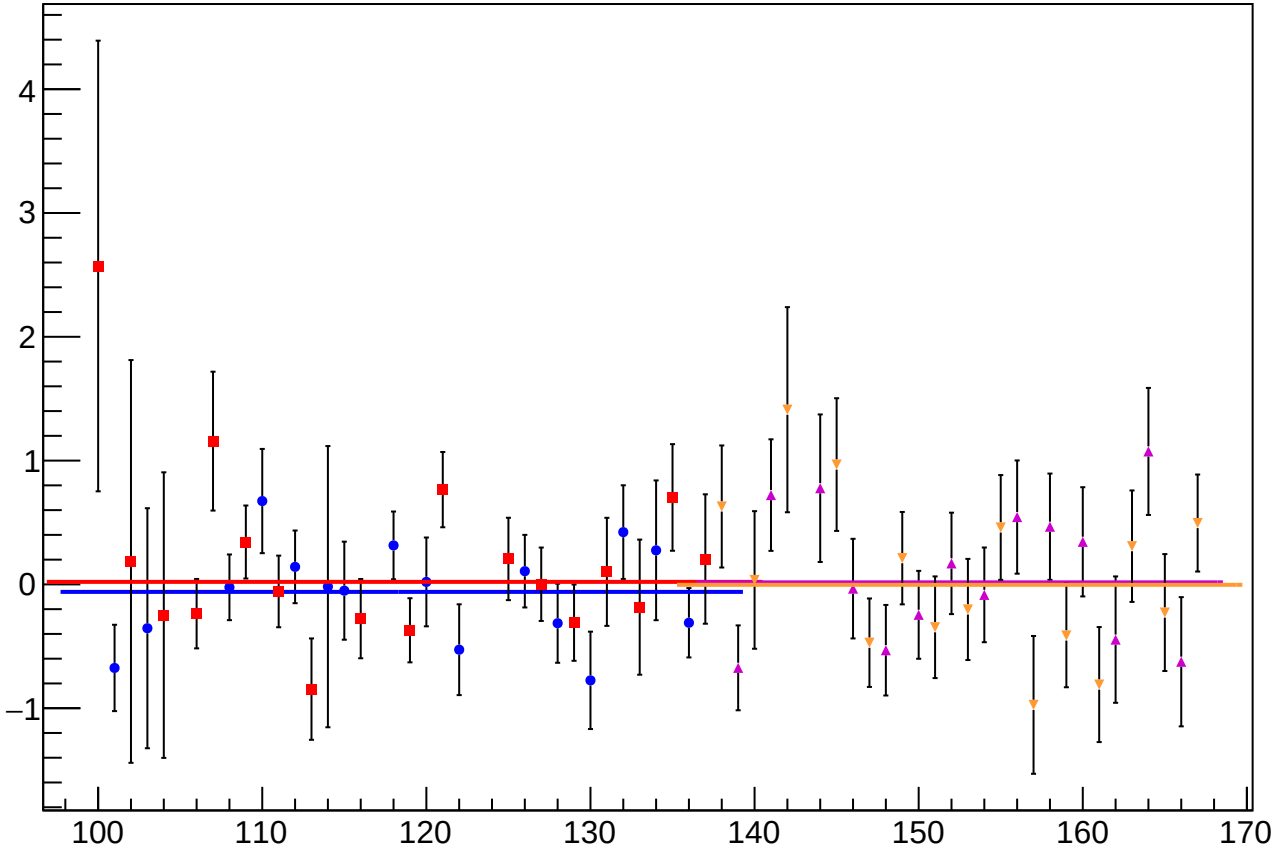
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 280.971+/-0.049 χ^2/NDF:3731841.9/29

Out: 274.925+/-0.049 χ^2/NDF:4997798.2/32

All: 277.943+/-0.035 χ^2/NDF: 8737127.1/62

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.116 χ^2/NDF:21.4/14

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.017+/-0.114 χ^2/NDF:20.7/13

Left: 0.007+/-0.081 χ^2/NDF: 42.1/28

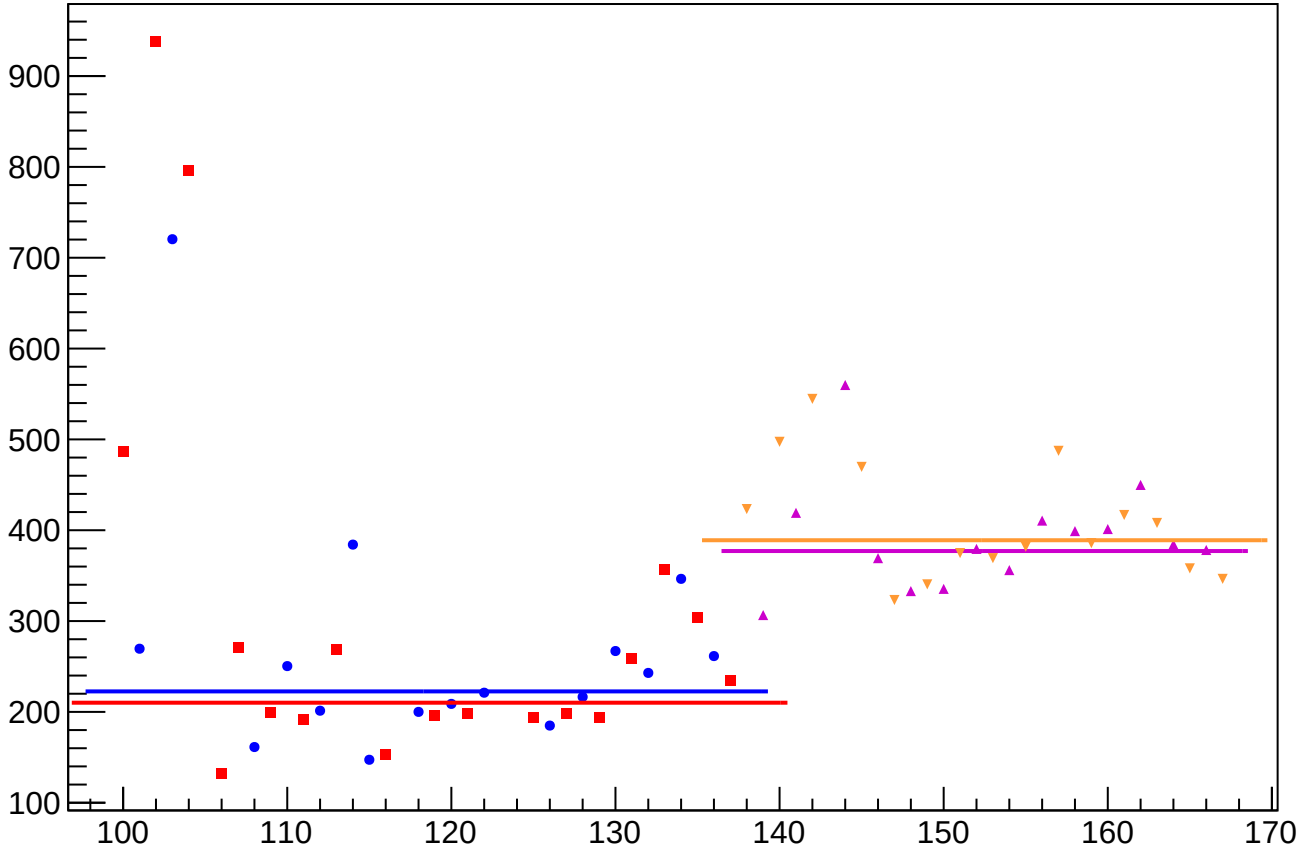
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.031+/-0.070 χ^2/NDF:38.3/29

Out: 0.012+/-0.070 χ^2/NDF:47.5/32

All: -0.010+/-0.049 χ^2/NDF: 86.0/62

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 388.983+/-0.082 χ^2/NDF:416654.3/14

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.101+/-0.080 χ^2/NDF:416690.7/13

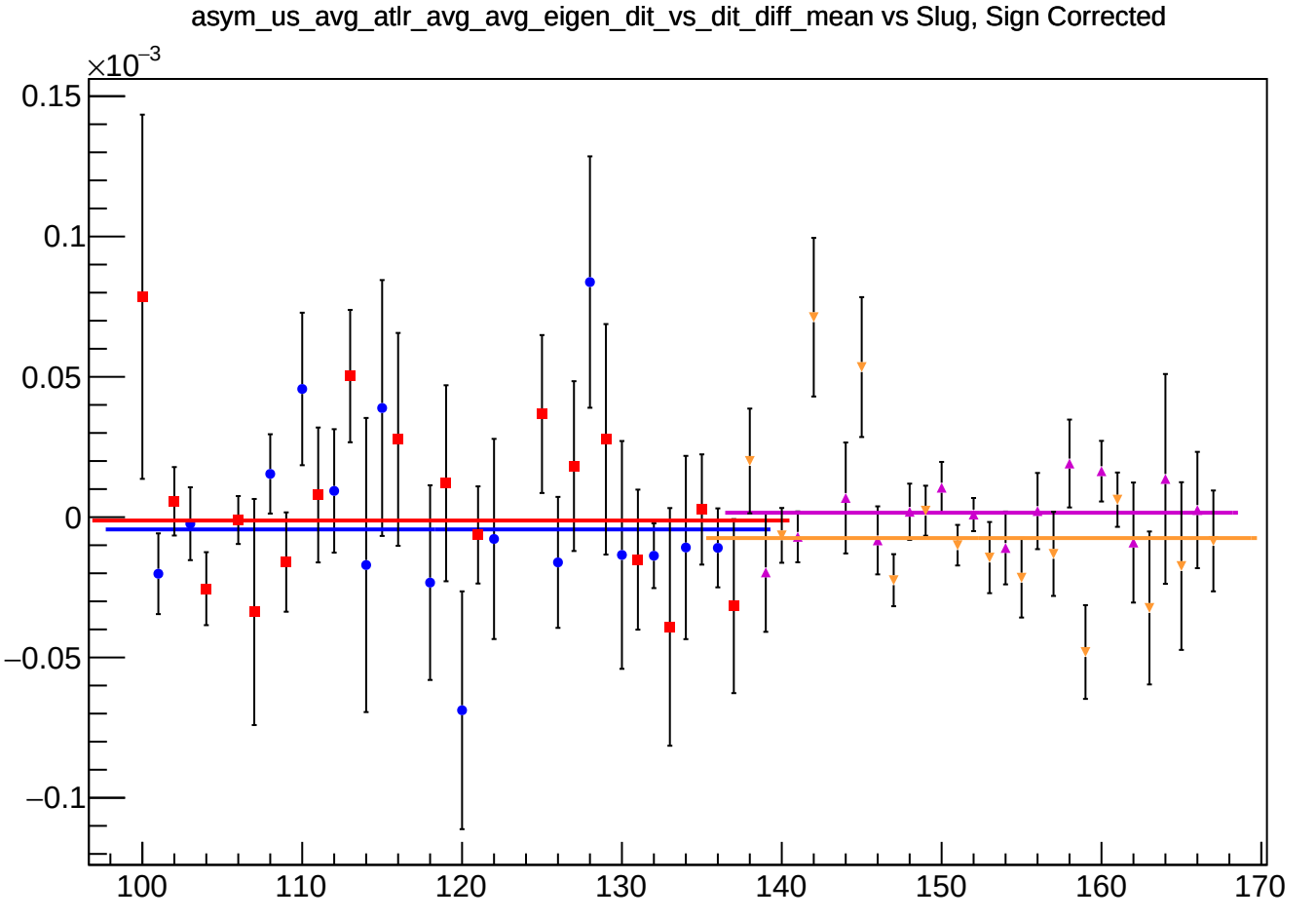
Left: 382.926+/-0.057 χ^2/NDF: 844043.1/28

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 280.971+/-0.049 χ^2/NDF:3731841.9/29

Out: 274.925+/-0.049 χ^2/NDF:4997798.2/32

All: 277.943+/-0.035 χ^2/NDF: 8737127.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:8.0/13

Left: -0.000+/-0.000 χ^2/NDF: 42.2/28

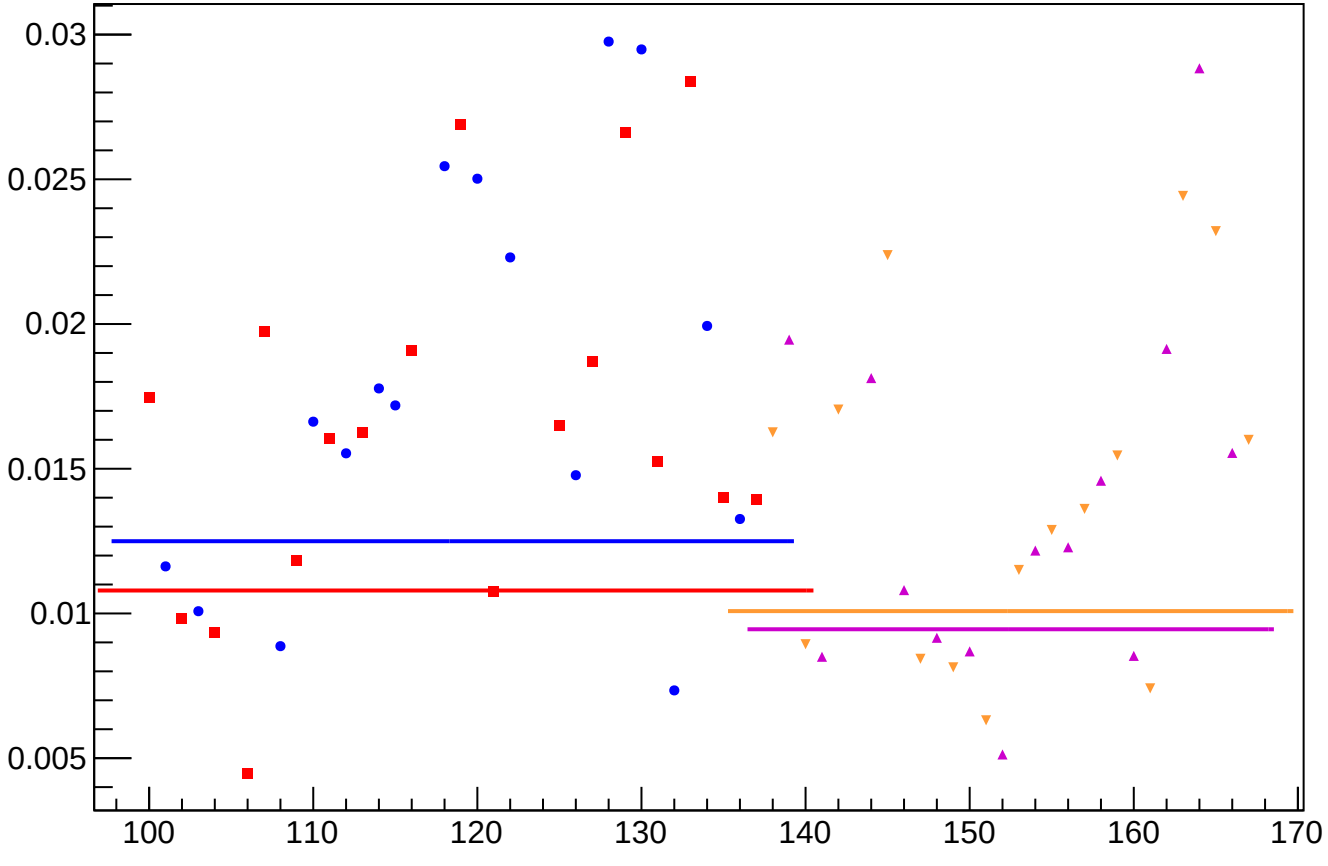
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:24.7/29

Out: -0.000+/-0.000 χ^2/NDF:48.6/32

All: -0.000+/-0.000 χ^2/NDF: 75.3/62

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:3288932.8/14

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:3491943.1/13

Left: 0.010+/-0.000 χ^2/NDF: 6819865.8/28

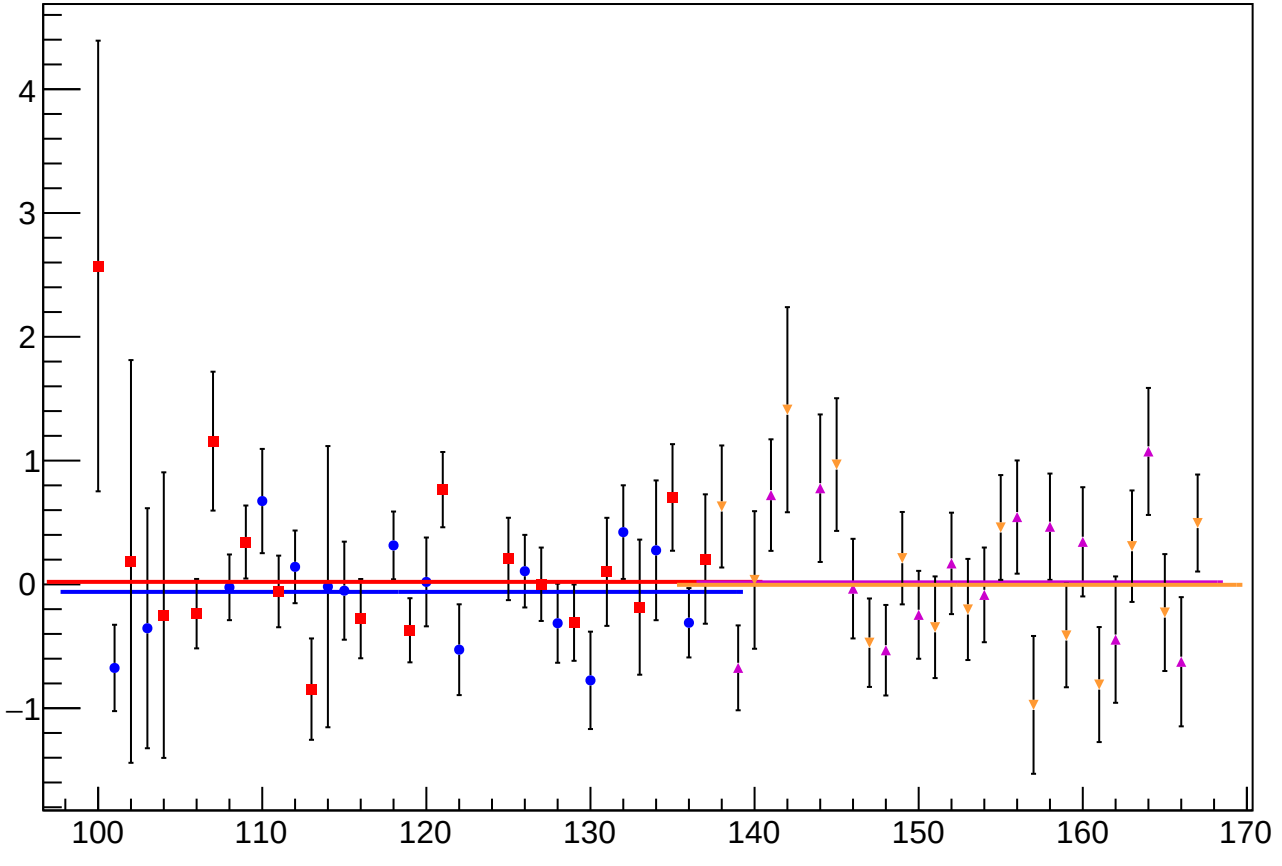
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:6128071.6/29

Out: 0.010+/-0.000 χ^2/NDF:6308912.8/32

All: 0.010+/-0.000 χ^2/NDF: 12437183.1/62

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.116 χ^2/NDF:21.4/14

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.017+/-0.114 χ^2/NDF:20.7/13

Left: 0.007+/-0.081 χ^2/NDF: 42.1/28

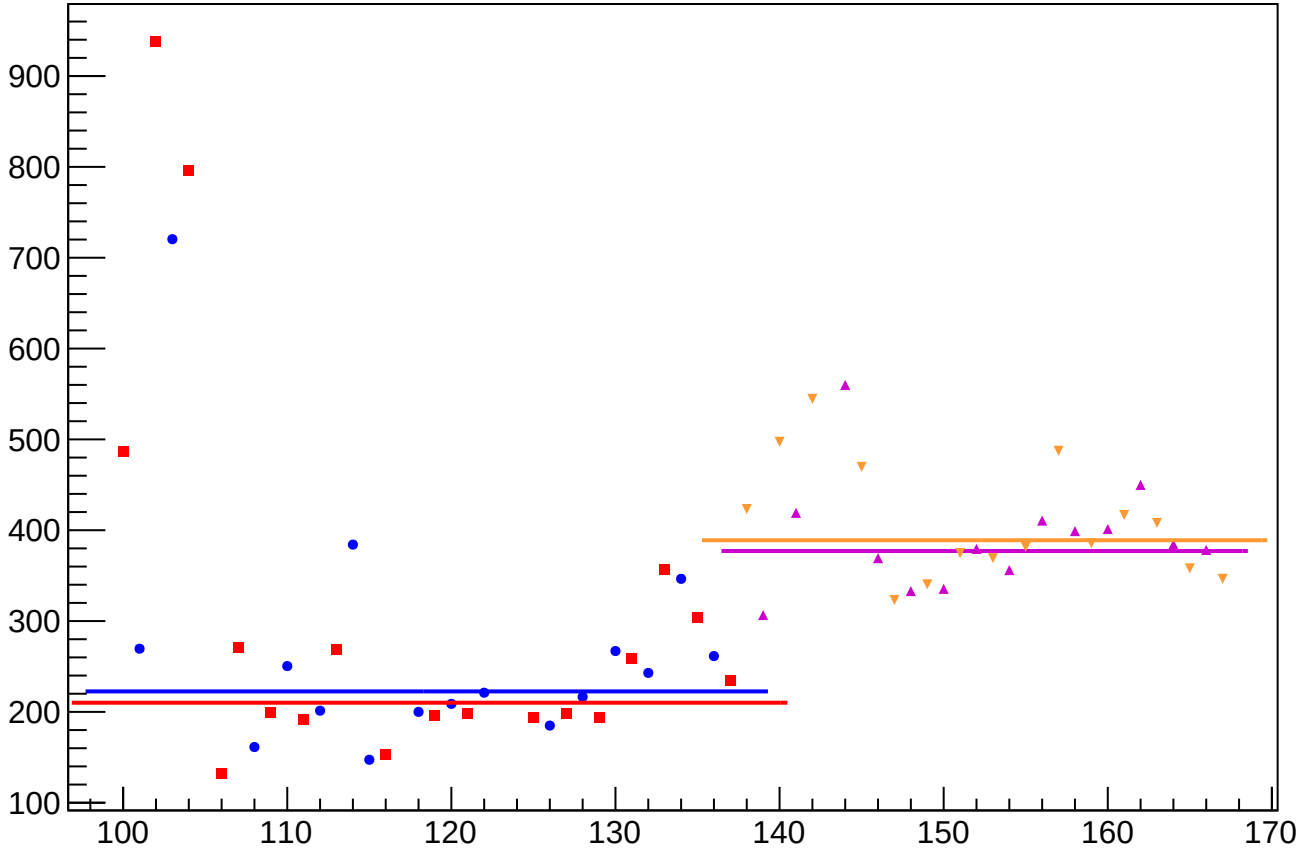
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.031+/-0.070 χ^2/NDF:38.3/29

Out: 0.012+/-0.070 χ^2/NDF:47.5/32

All: -0.010+/-0.049 χ^2/NDF: 86.0/62

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 388.989+/-0.082 χ^2/NDF:416658.7/14

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.107+/-0.080 χ^2/NDF:416689.5/13

Left: 382.932+/-0.057 χ^2/NDF: 844046.2/28

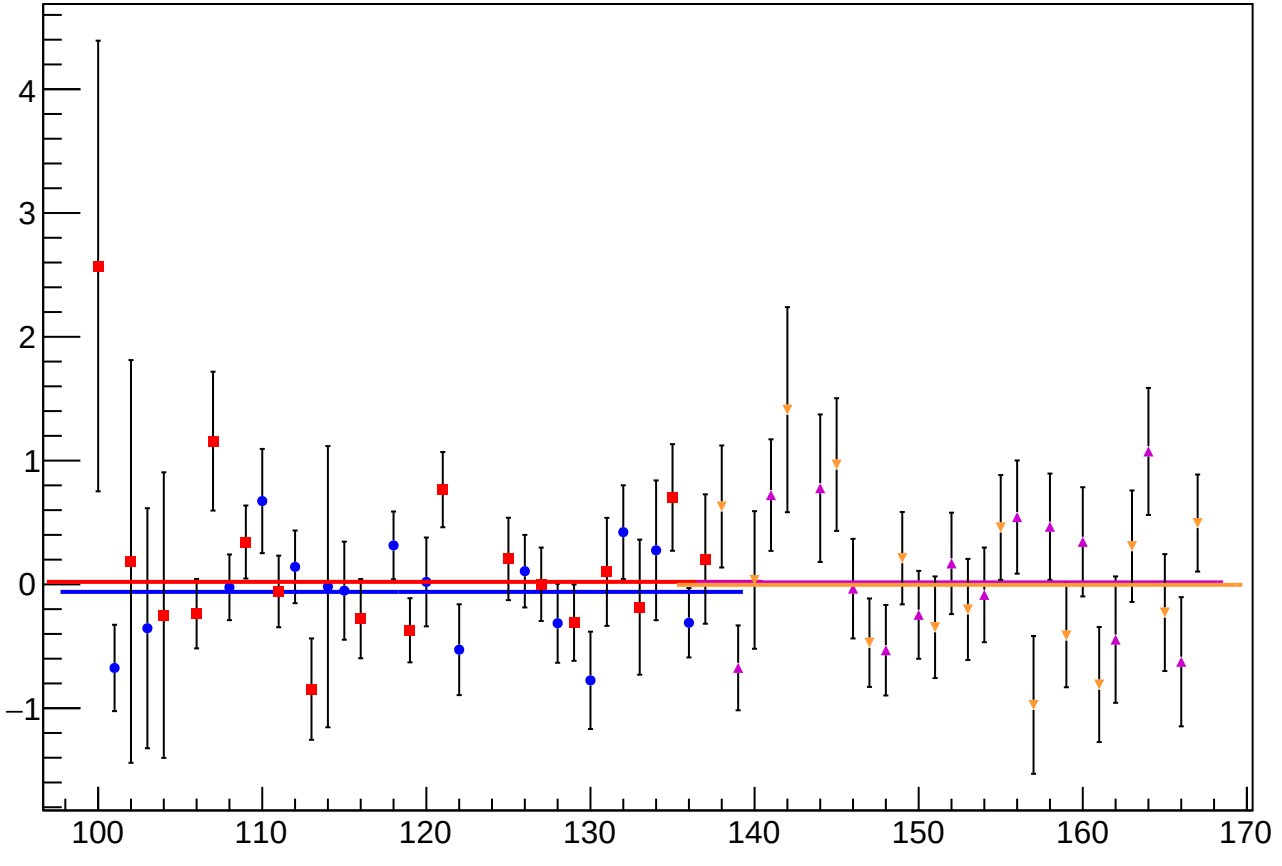
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 280.970+/-0.049 χ^2/NDF:3732028.6/29

Out: 274.923+/-0.049 χ^2/NDF:4998049.1/32

All: 277.942+/-0.035 χ^2/NDF: 8737567.8/62

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.116 χ^2/NDF:21.4/14

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.017+/-0.114 χ^2/NDF:20.7/13

Left: 0.007+/-0.081 χ^2/NDF: 42.1/28

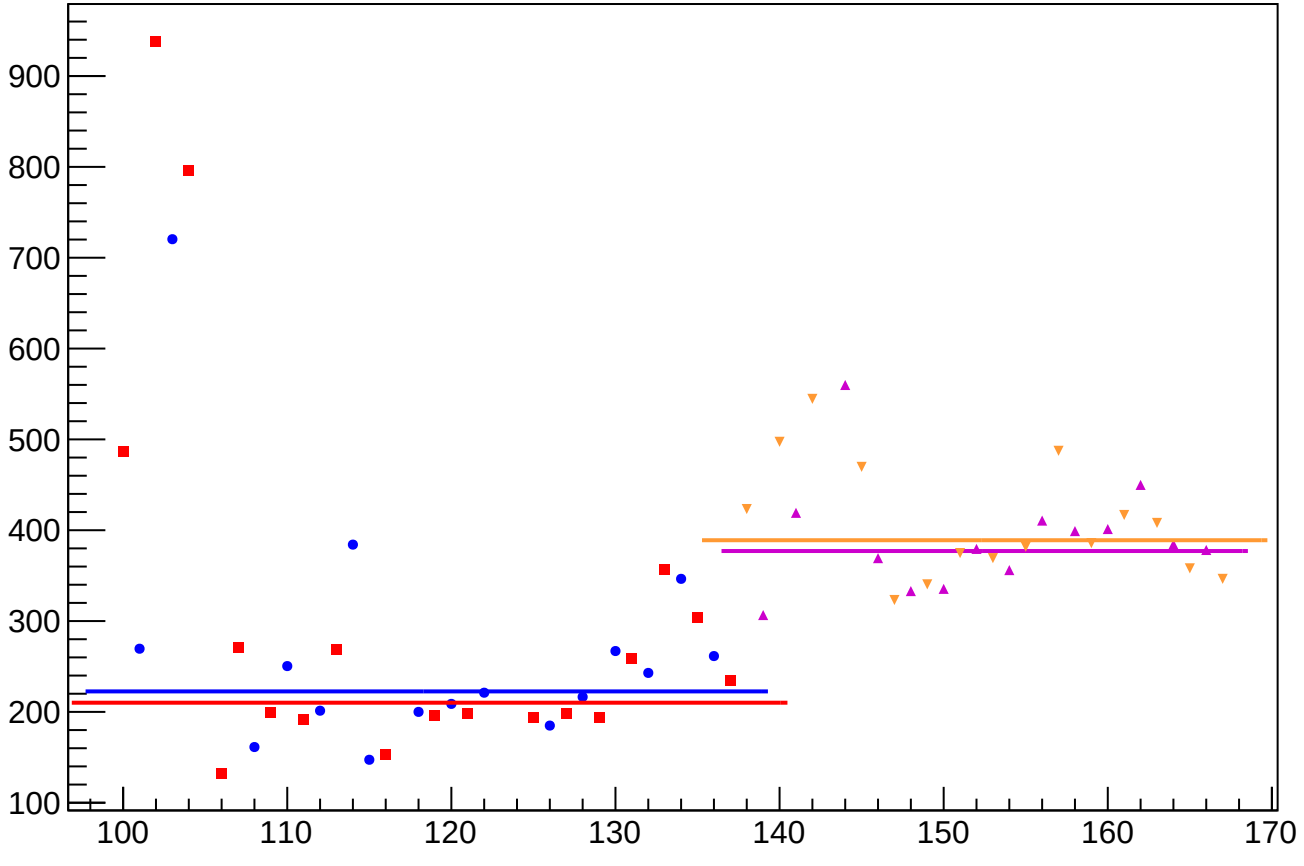
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.031+/-0.070 χ^2/NDF:38.3/29

Out: 0.012+/-0.070 χ^2/NDF:47.5/32

All: -0.010+/-0.049 χ^2/NDF: 86.0/62

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 388.989+/-0.082 χ^2/NDF:416658.7/14

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.107+/-0.080 χ^2/NDF:416689.5/13

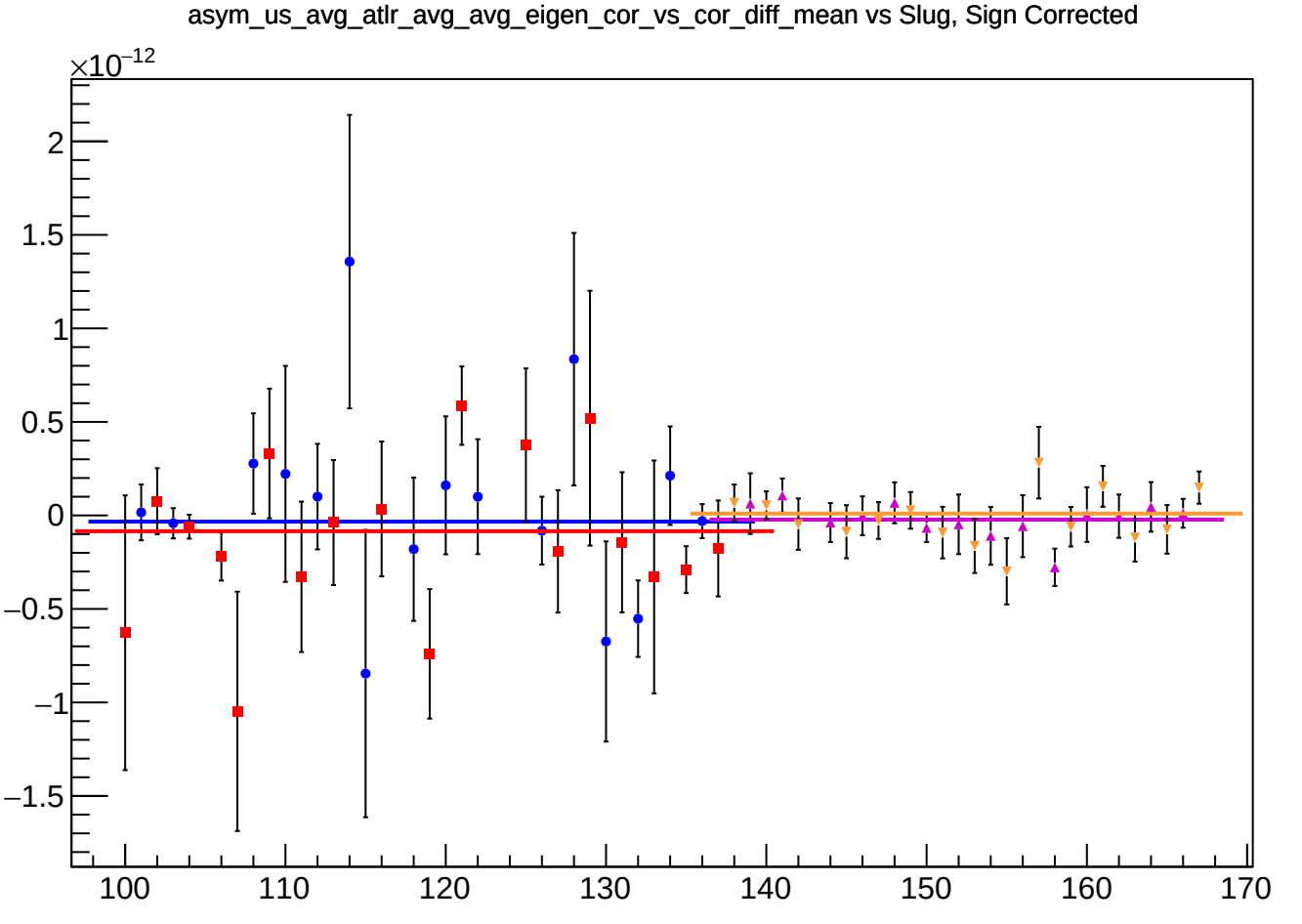
Left: 382.932+/-0.057 χ^2/NDF: 844046.2/28

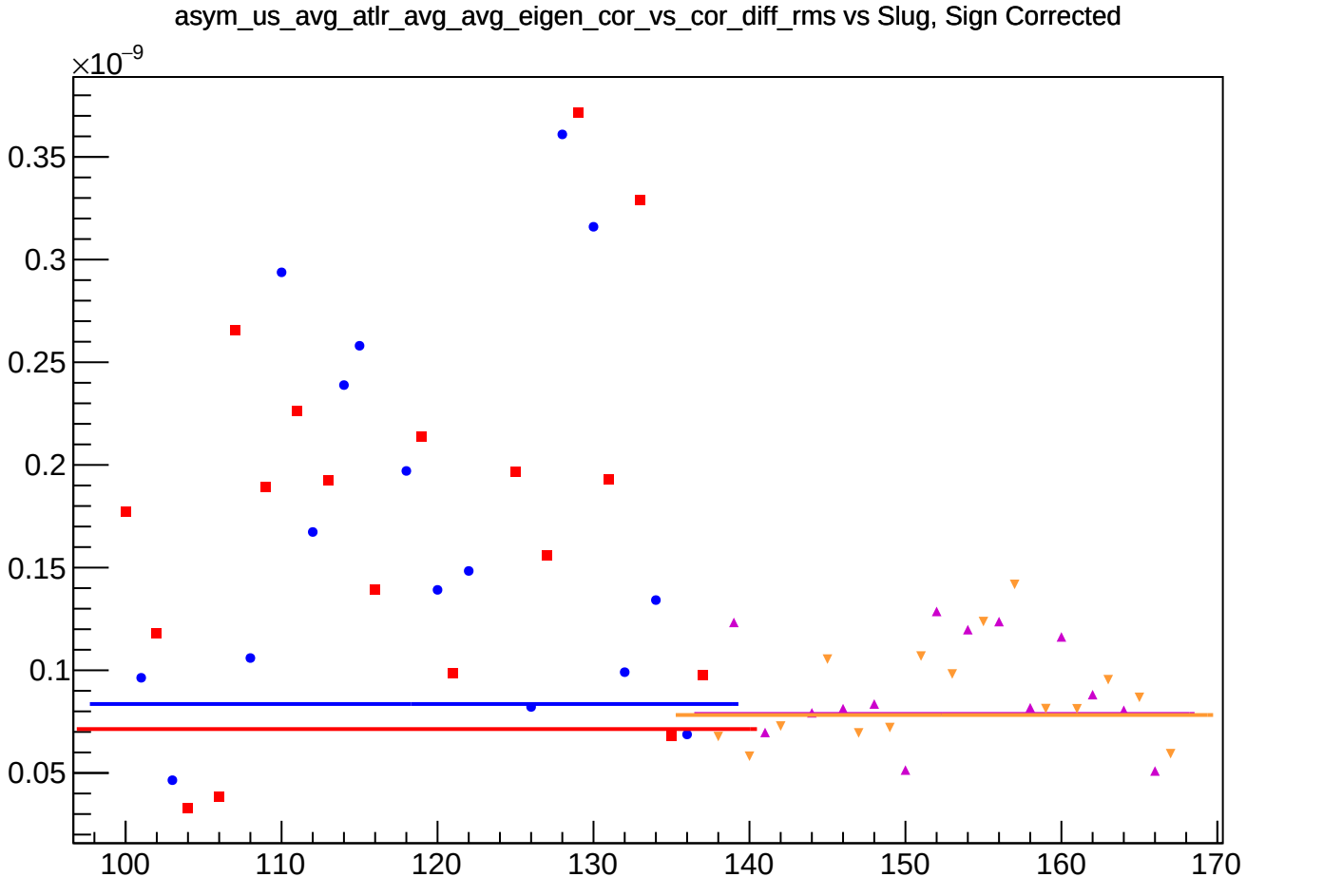
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

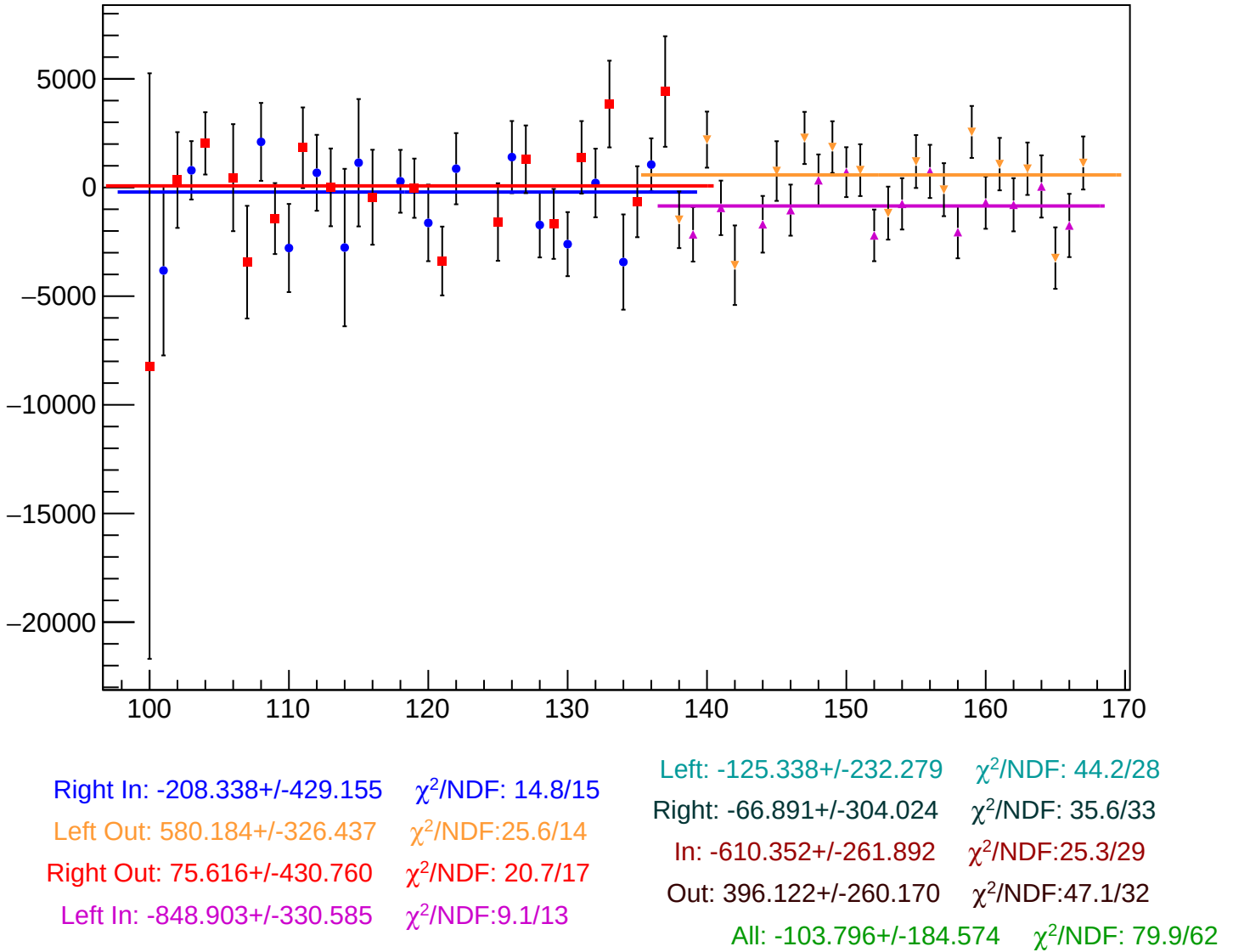
In: 280.970+/-0.049 χ^2/NDF:3732028.6/29

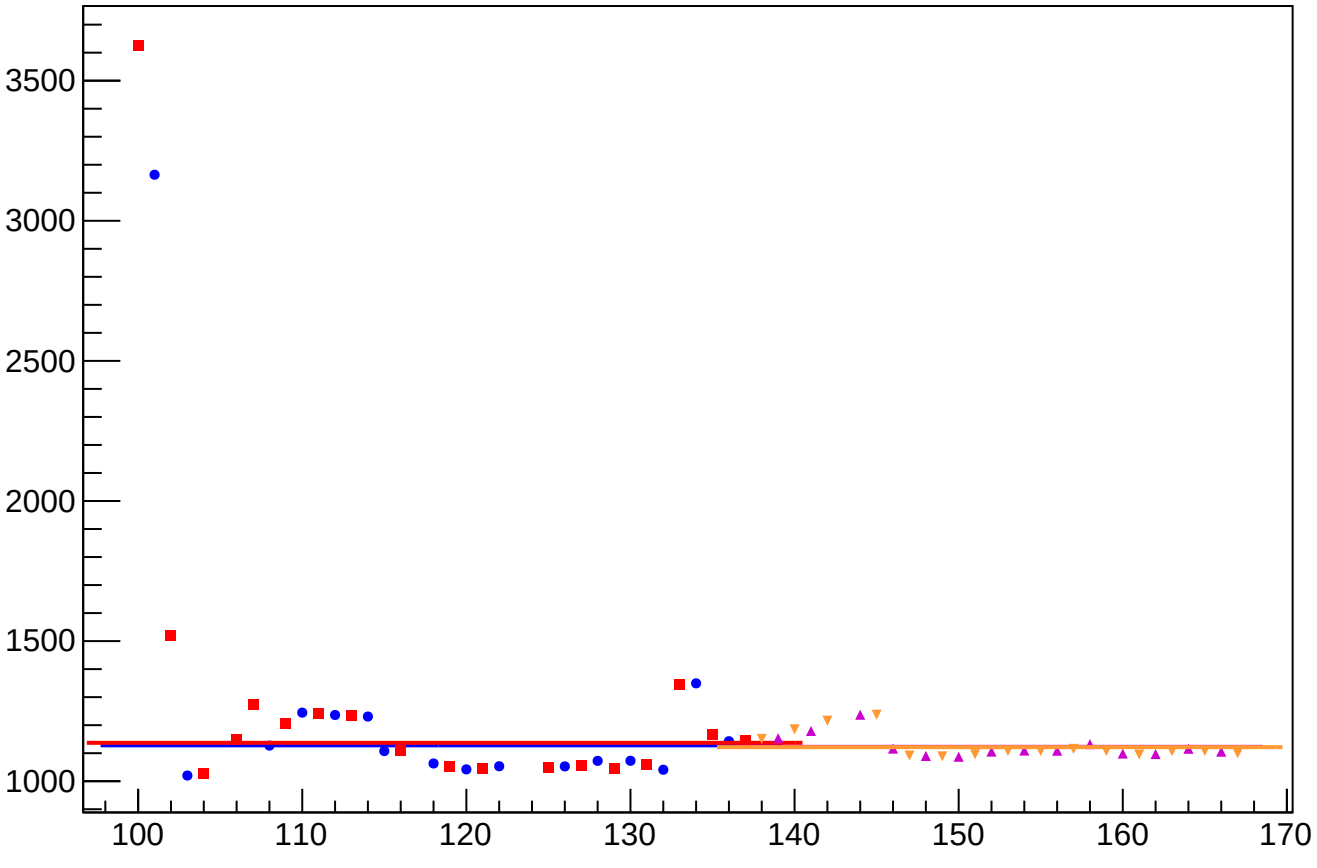
Out: 274.923+/-0.049 χ^2/NDF:4998049.1/32

All: 277.942+/-0.035 χ^2/NDF: 8737567.8/62


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: 0.000+/-0.000 χ²/NDF:14.8/14
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: -0.000+/-0.000 χ²/NDF:10.8/13
Left: -0.000+/-0.000 χ²/NDF: 26.2/28
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:28.0/29
Out: -0.000+/-0.000 χ²/NDF:43.8/32
All: -0.000+/-0.000 χ²/NDF: 71.9/62


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:889005.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1330193.6/13
Left: 0.000+/-0.000 χ²/NDF: 2219533.8/28
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3580722.7/29
Out: 0.000+/-0.000 χ²/NDF:4667662.3/32
All: 0.000+/-0.000 χ²/NDF: 8274071.9/62


reg_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -208.338+/-429.155 χ²/NDF: 14.8/15
Left Out: 580.184+/-326.437 χ²/NDF:25.6/14
Right Out: 75.616+/-430.760 χ²/NDF: 20.7/17
Left In: -848.903+/-330.585 χ²/NDF:9.1/13
Left: -125.338+/-232.279 χ²/NDF: 44.2/28
Right: -66.891+/-304.024 χ²/NDF: 35.6/33
In: -610.352+/-261.892 χ²/NDF:25.3/29
Out: 396.122+/-260.170 χ²/NDF:47.1/32
All: -103.796+/-184.574 χ²/NDF: 79.9/62



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1121.628+/-0.231 χ^2/NDF:31911.1/14

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1122.673+/-0.234 χ^2/NDF:27232.7/13

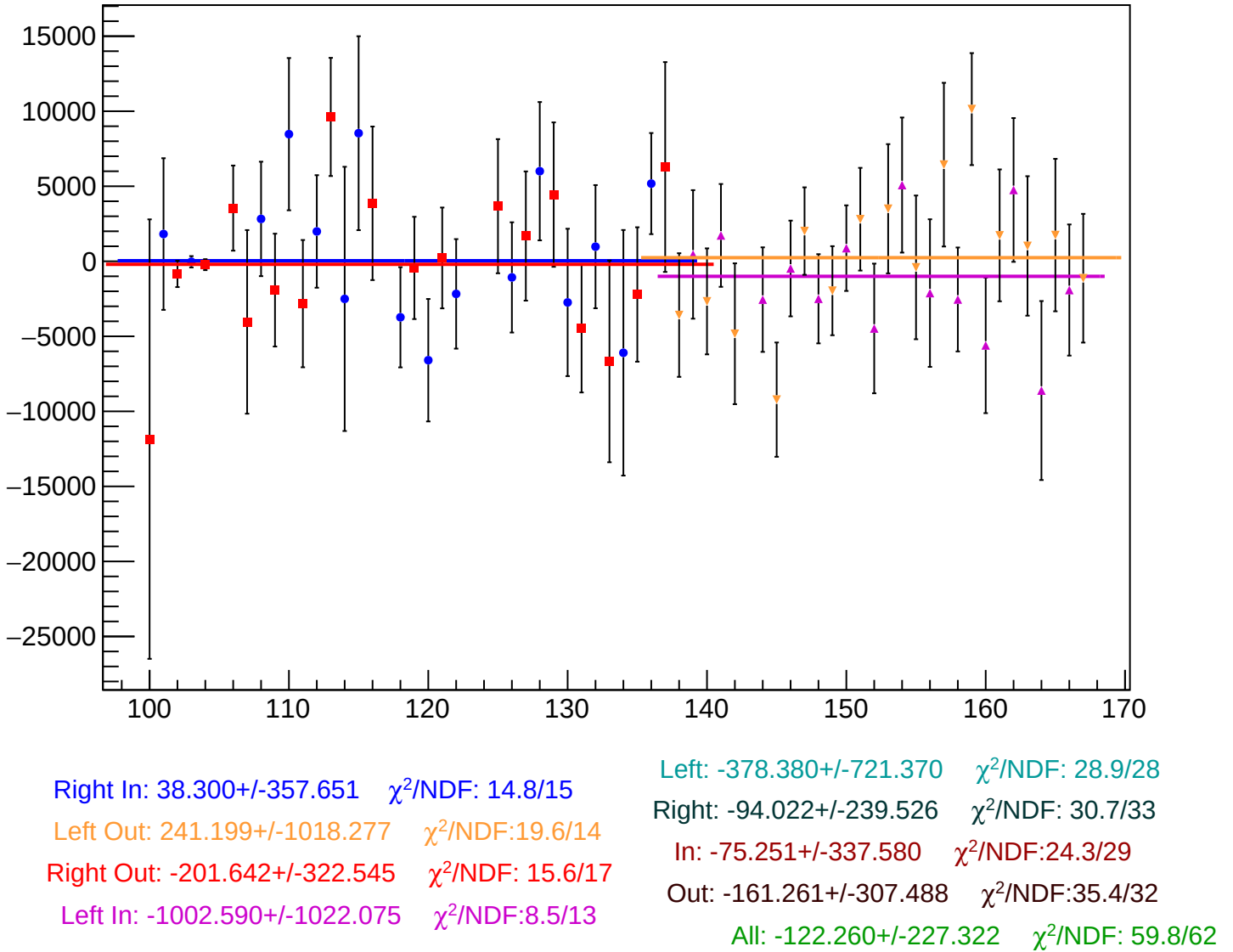
Left: 1122.144+/-0.164 χ^2/NDF: 59153.9/28

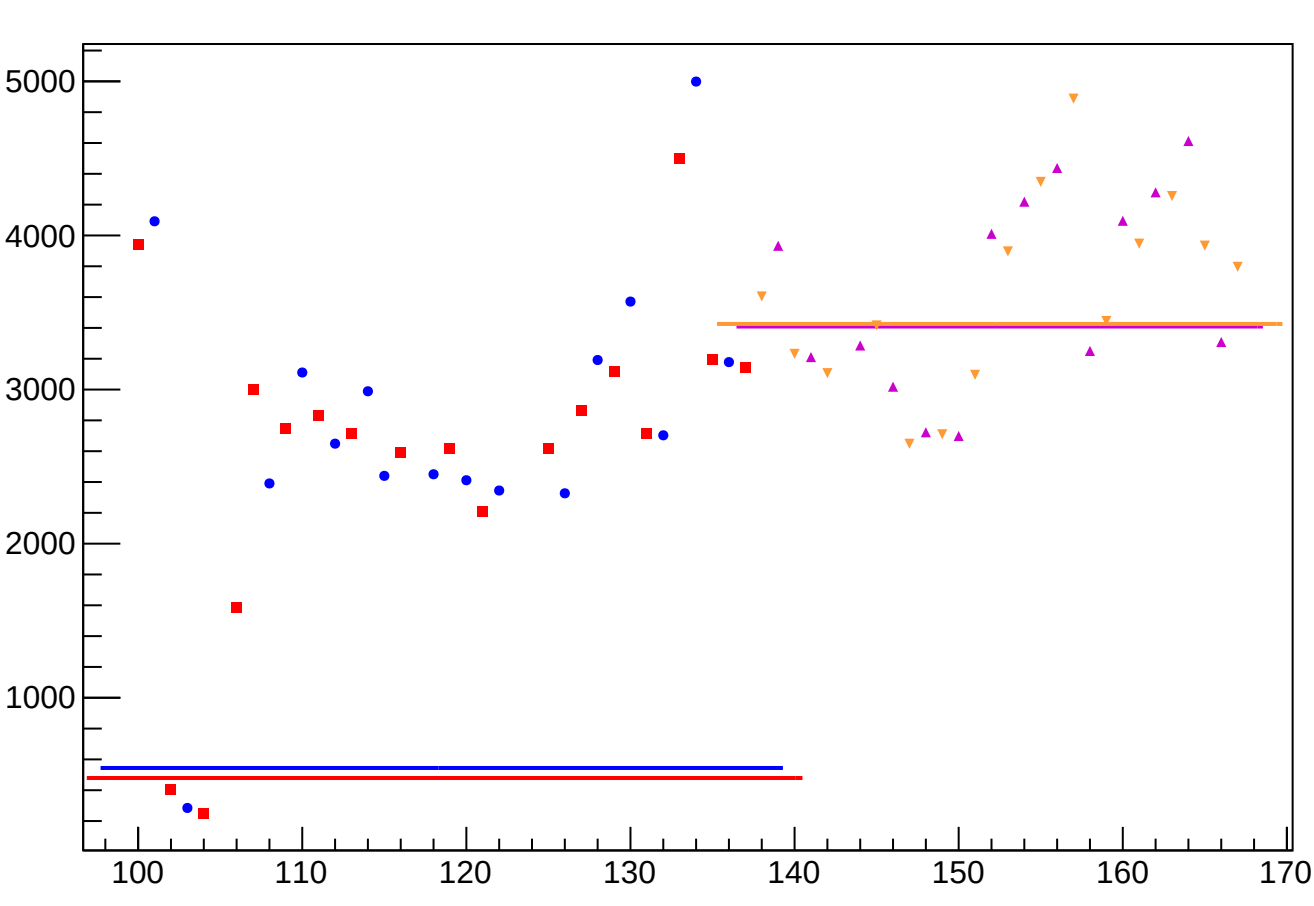
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1124.660+/-0.185 χ^2/NDF:648821.2/29

Out: 1127.263+/-0.184 χ^2/NDF:253627.5/32

All: 1125.971+/-0.130 χ^2/NDF: 902548.3/62


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: 241.199+/-1018.277 χ²/NDF:19.6/14
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -1002.590+/-1022.075 χ²/NDF:8.5/13
Left: -378.380+/-721.370 χ²/NDF: 28.9/28
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -75.251+/-337.580 χ²/NDF:24.3/29
Out: -161.261+/-307.488 χ²/NDF:35.4/32
All: -122.260+/-227.322 χ²/NDF: 59.8/62



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3425.848+/-0.720 χ^2/NDF:665202.6/14

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3409.020+/-0.723 χ^2/NDF:689937.6/13

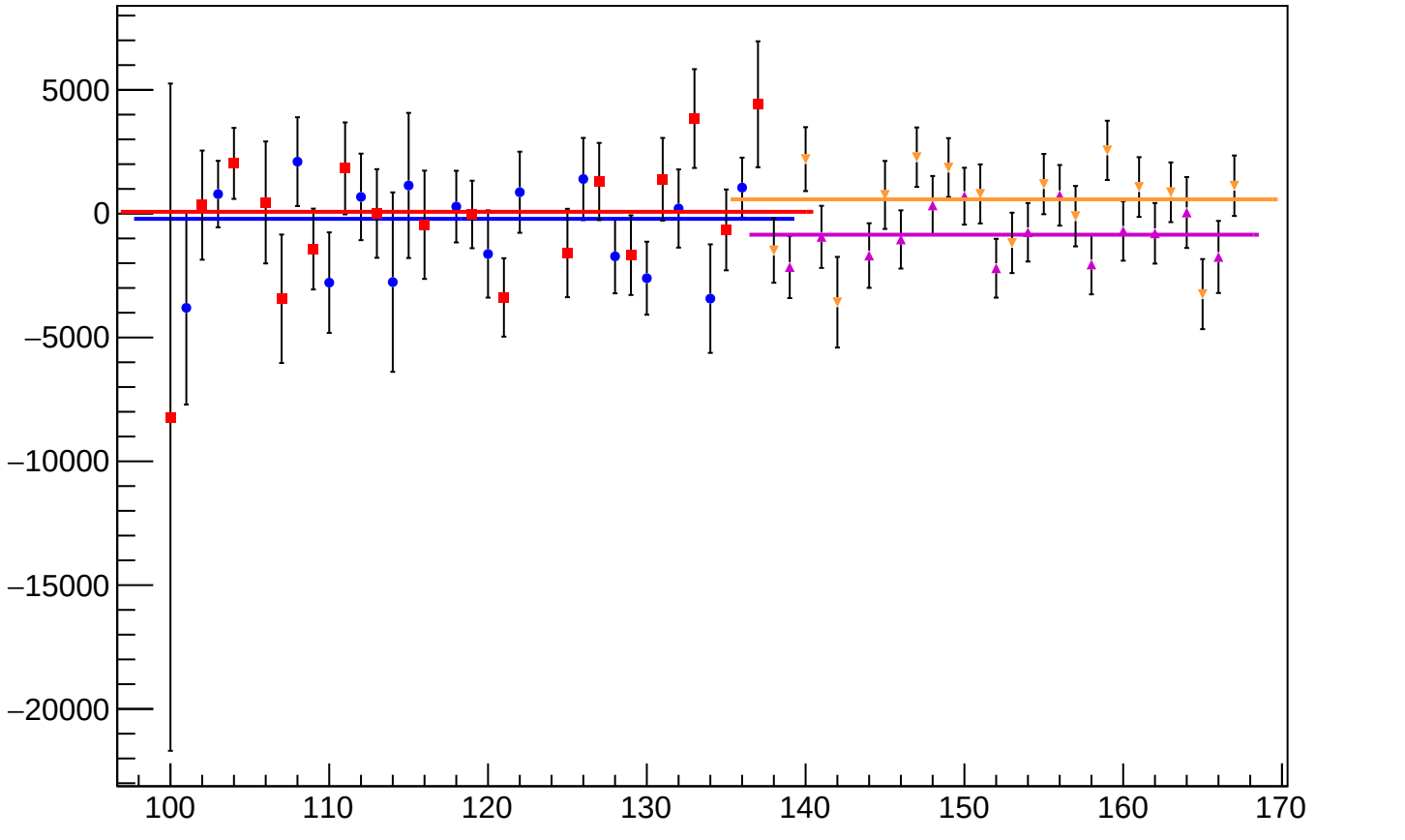
Left: 3417.465+/-0.510 χ^2/NDF: 1355412.3/28

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 856.846+/-0.239 χ^2/NDF:24370434.7/29

Out: 747.938+/-0.217 χ^2/NDF:25073177.9/32

All: 797.323+/-0.161 χ^2/NDF: 49557381.4/62



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 580.231+/-326.437 χ^2/NDF:25.6/14

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -848.933+/-330.585 χ^2/NDF:9.1/13

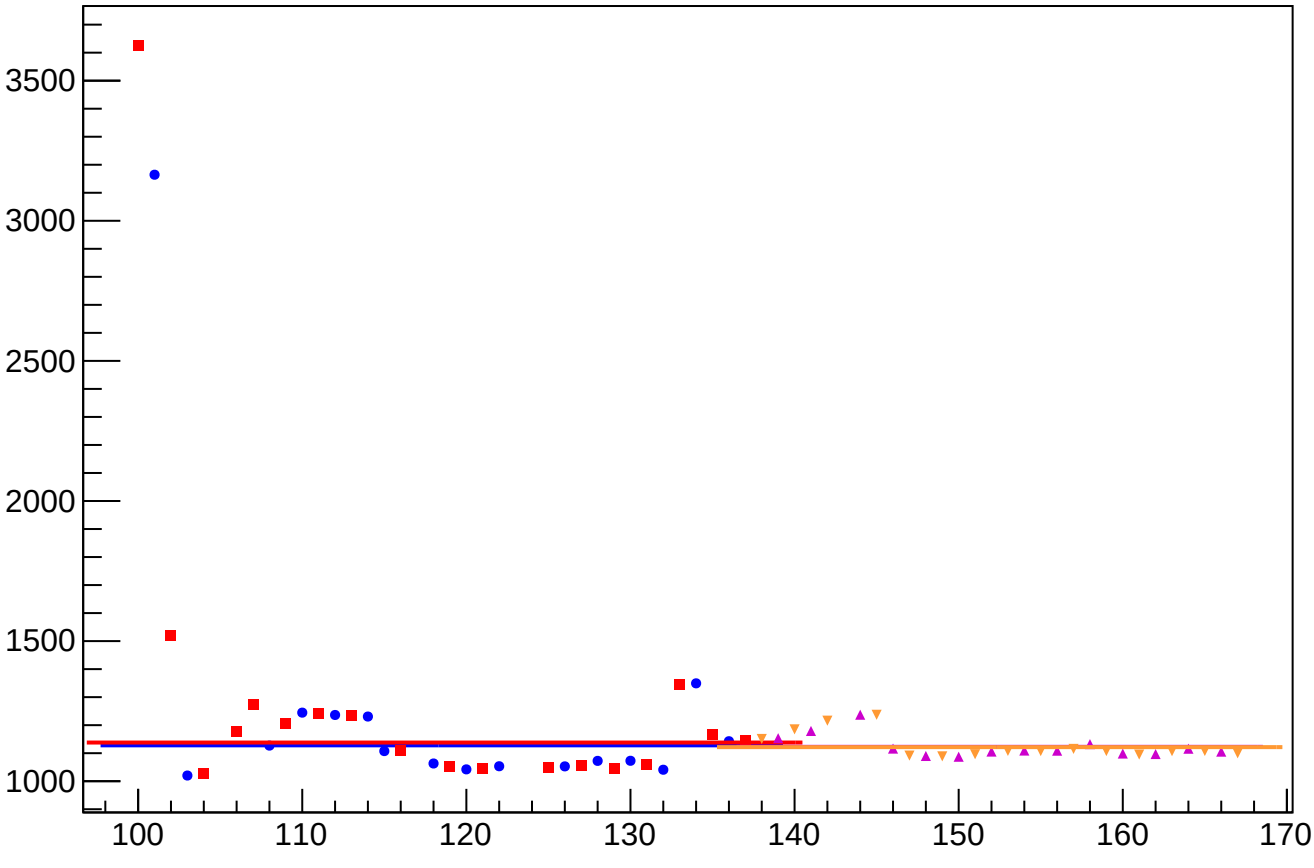
Left: -125.329+/-232.279 χ^2/NDF: 44.2/28

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -610.286+/-261.892 χ^2/NDF:25.3/29

Out: 396.205+/-260.170 χ^2/NDF:47.1/32

All: -103.721+/-184.574 χ^2/NDF: 79.9/62



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1121.628+/-0.231 χ^2/NDF:31911.0/14

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1122.673+/-0.234 χ^2/NDF:27232.7/13

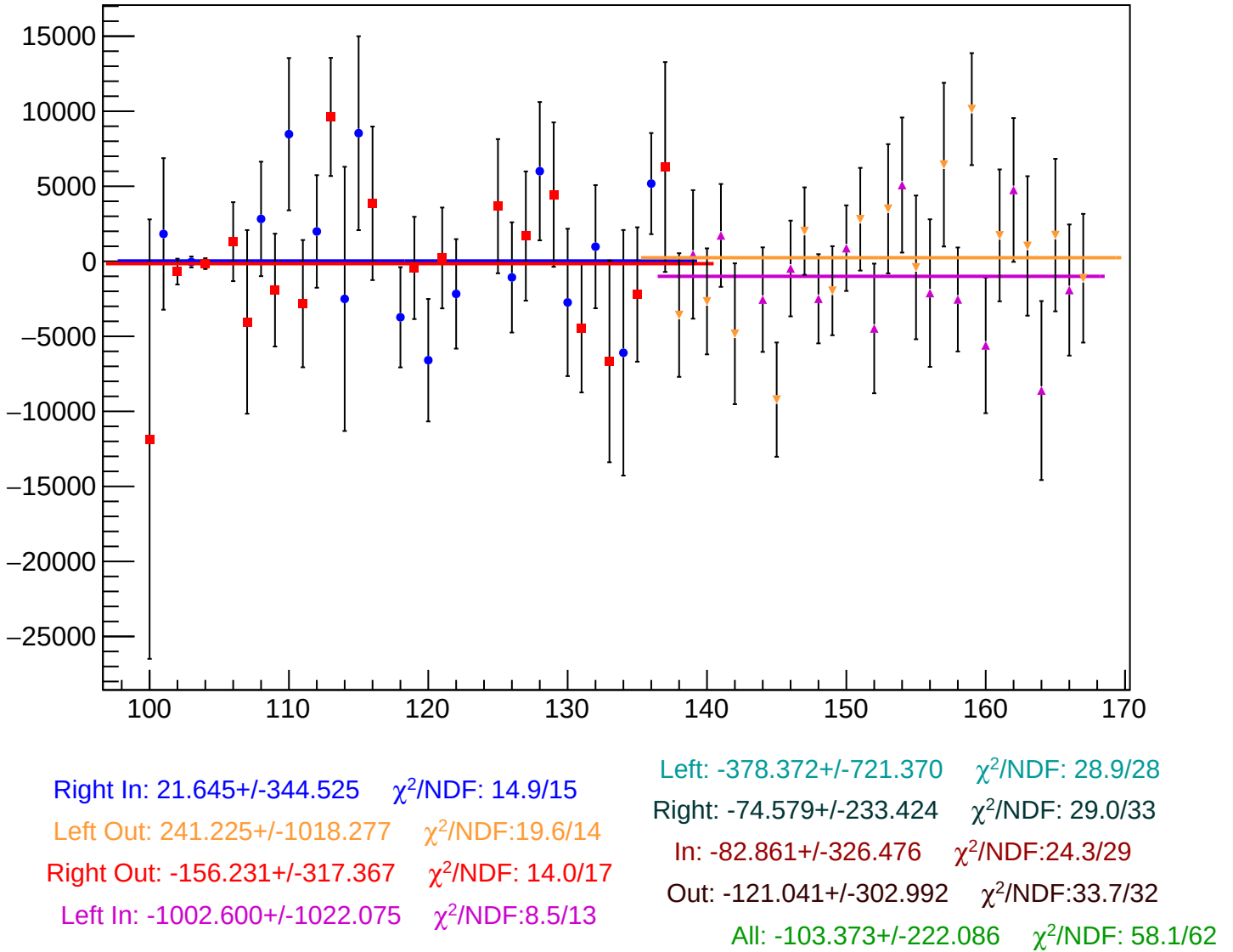
Left: 1122.144+/-0.164 χ^2/NDF: 59153.9/28

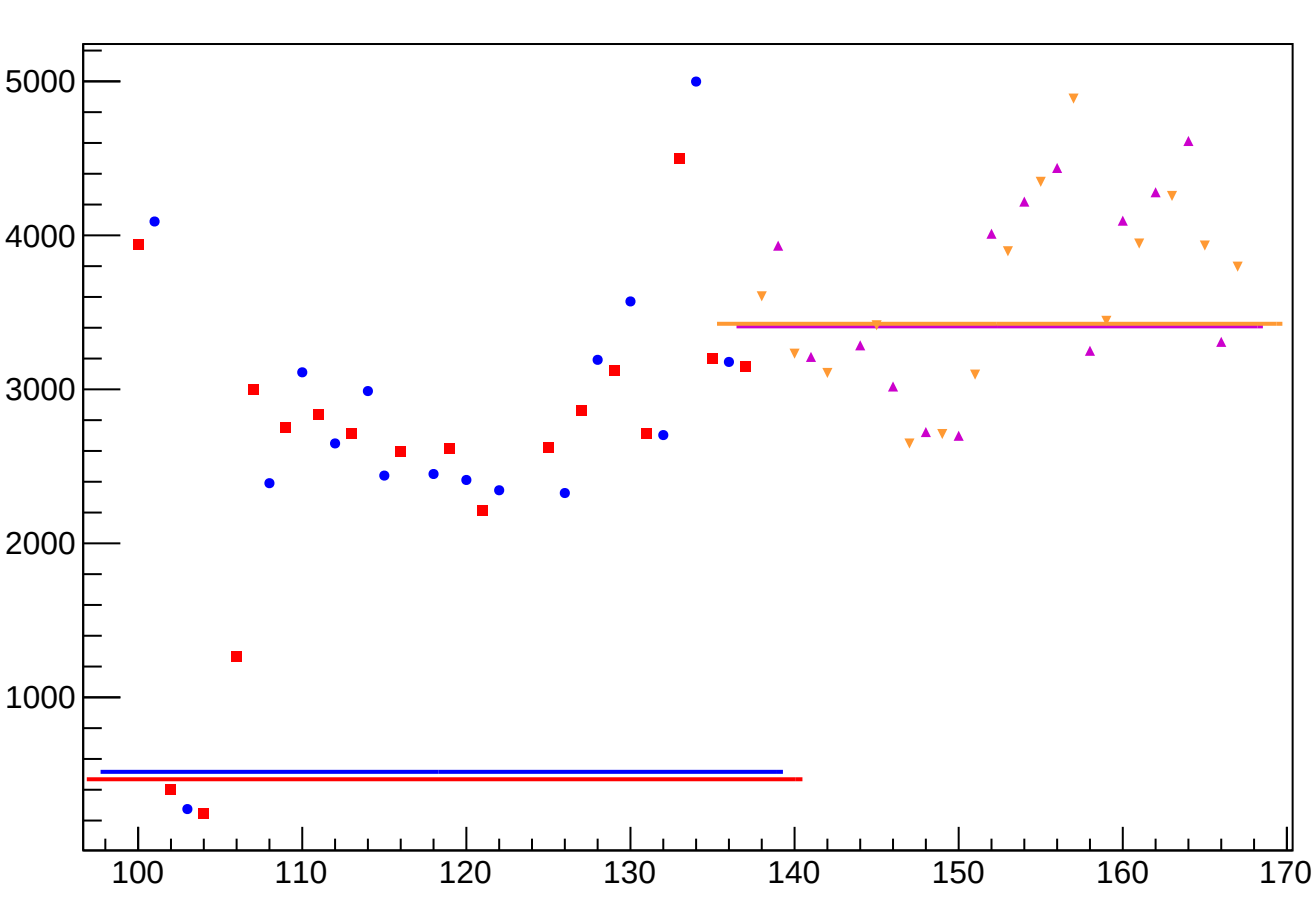
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1124.659+/-0.185 χ^2/NDF:648822.3/29

Out: 1127.604+/-0.184 χ^2/NDF:254371.9/32

All: 1126.142+/-0.131 χ^2/NDF: 903321.5/62


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 241.225+/-1018.277 χ²/NDF:19.6/14
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -1002.600+/-1022.075 χ²/NDF:8.5/13
Left: -378.372+/-721.370 χ²/NDF: 28.9/28
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -82.861+/-326.476 χ²/NDF:24.3/29
Out: -121.041+/-302.992 χ²/NDF:33.7/32
All: -103.373+/-222.086 χ²/NDF: 58.1/62



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3425.848+/-0.720 χ^2/NDF:665208.8/14

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3409.018+/-0.723 χ^2/NDF:689942.0/13

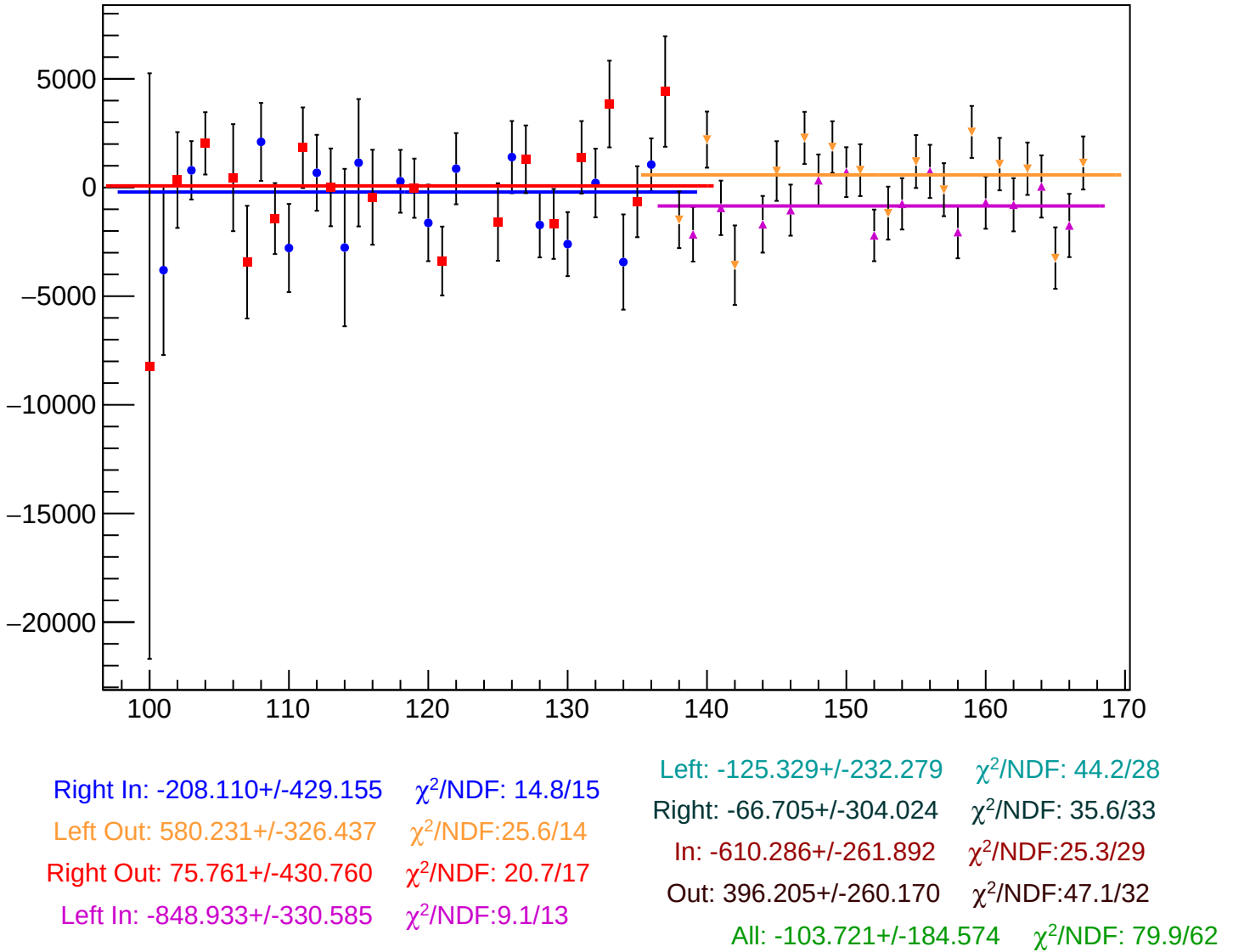
Left: 3417.464+/-0.510 χ^2/NDF: 1355422.9/28

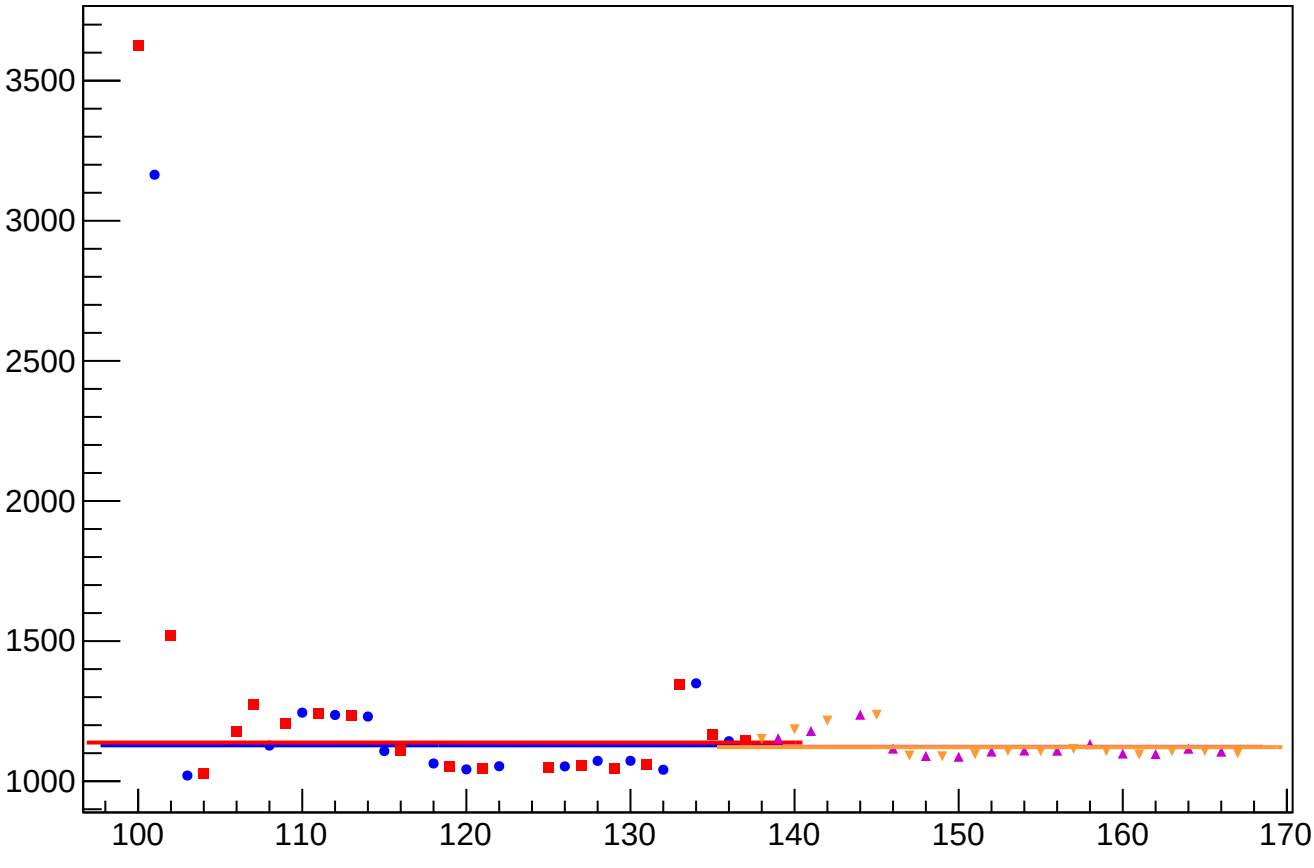
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 811.448+/-0.231 χ^2/NDF:24910564.1/29

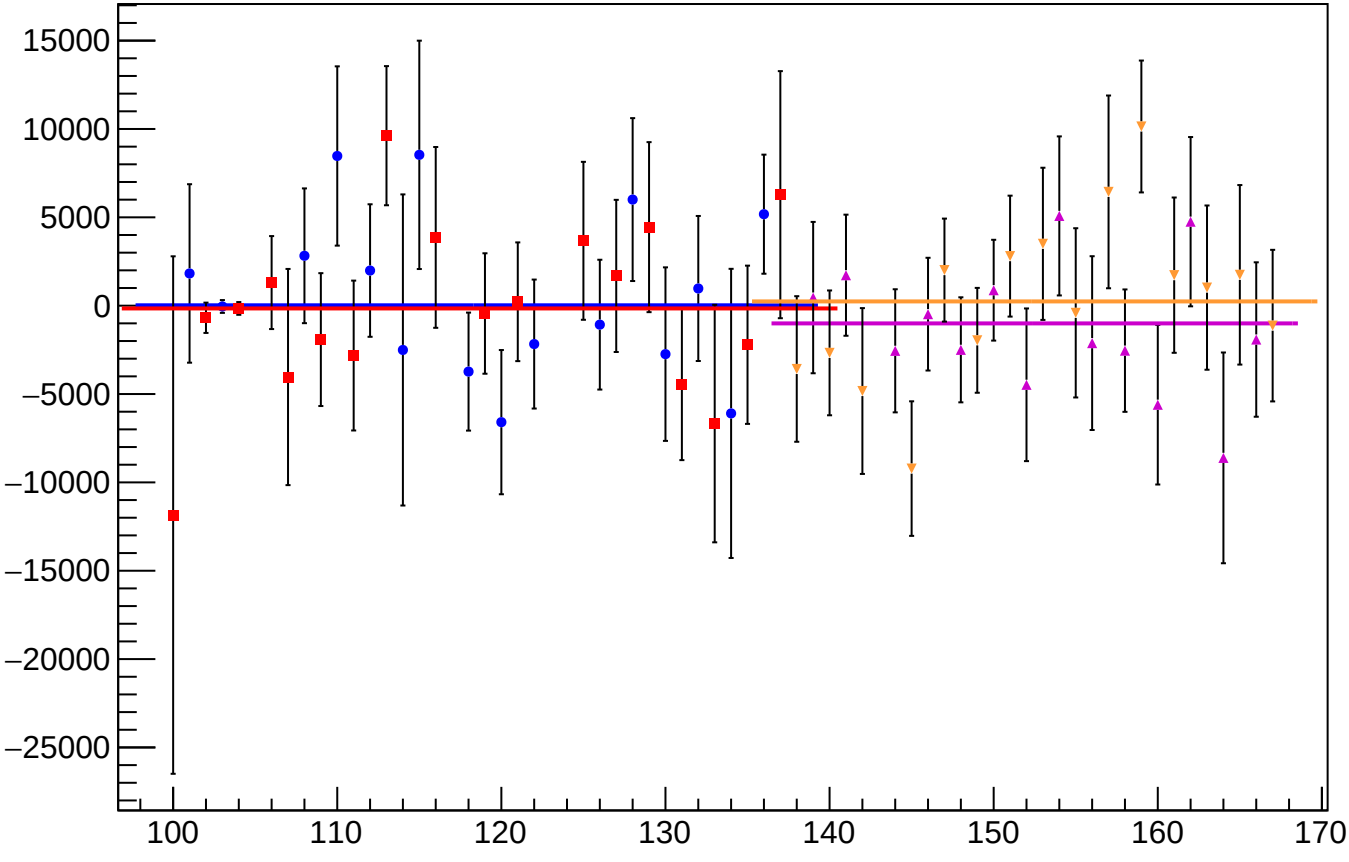
Out: 729.937+/-0.214 χ^2/NDF:25156934.3/32

All: 767.656+/-0.157 χ^2/NDF: 50134477.8/62


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 580.231+/-326.437 χ²/NDF:25.6/14
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -848.933+/-330.585 χ²/NDF:9.1/13
Left: -125.329+/-232.279 χ²/NDF: 44.2/28
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -610.286+/-261.892 χ²/NDF:25.3/29
Out: 396.205+/-260.170 χ²/NDF:47.1/32
All: -103.721+/-184.574 χ²/NDF: 79.9/62


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1121.628+/-0.231 χ²/NDF:31911.0/14
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1122.673+/-0.234 χ²/NDF:27232.7/13
Left: 1122.144+/-0.164 χ²/NDF: 59153.9/28
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1124.659+/-0.185 χ²/NDF:648822.3/29
Out: 1127.604+/-0.184 χ²/NDF:254371.9/32
All: 1126.142+/-0.131 χ²/NDF: 903321.5/62

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 241.225+/-1018.277 χ^2/NDF:19.6/14

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -1002.600+/-1022.075 χ^2/NDF:8.5/13

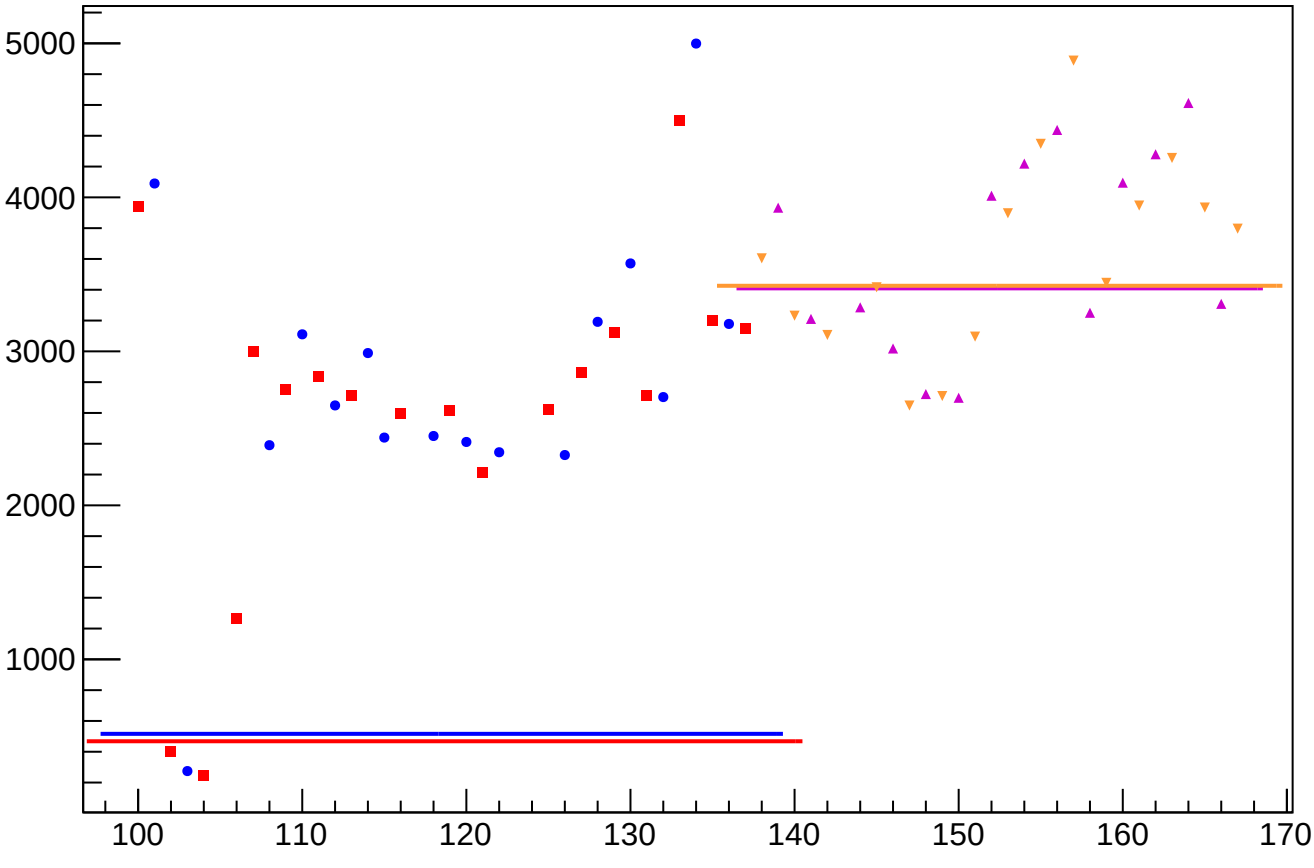
Left: -378.372+/-721.370 χ^2/NDF: 28.9/28

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -82.861+/-326.476 χ^2/NDF:24.3/29

Out: -121.041+/-302.992 χ^2/NDF:33.7/32

All: -103.373+/-222.086 χ^2/NDF: 58.1/62



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3425.848+/-0.720 χ^2/NDF:665208.8/14

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3409.018+/-0.723 χ^2/NDF:689942.0/13

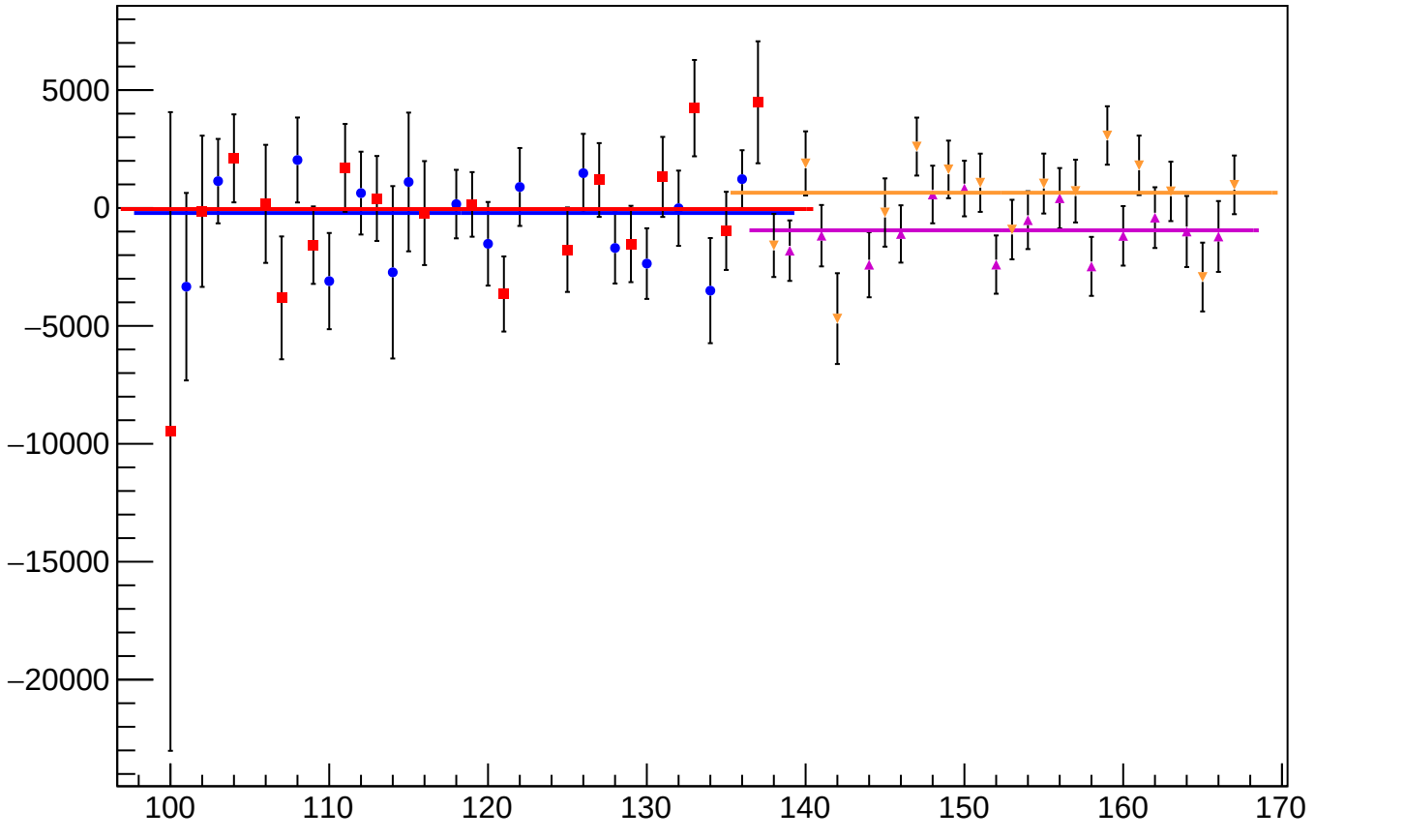
Left: 3417.464+/-0.510 χ^2/NDF: 1355422.9/28

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 811.448+/-0.231 χ^2/NDF:24910564.1/29

Out: 729.937+/-0.214 χ^2/NDF:25156934.3/32

All: 767.656+/-0.157 χ^2/NDF: 50134477.8/62



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 647.128+/-339.535 χ^2/NDF:27.4/14

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -947.775+/-343.511 χ^2/NDF:9.8/13

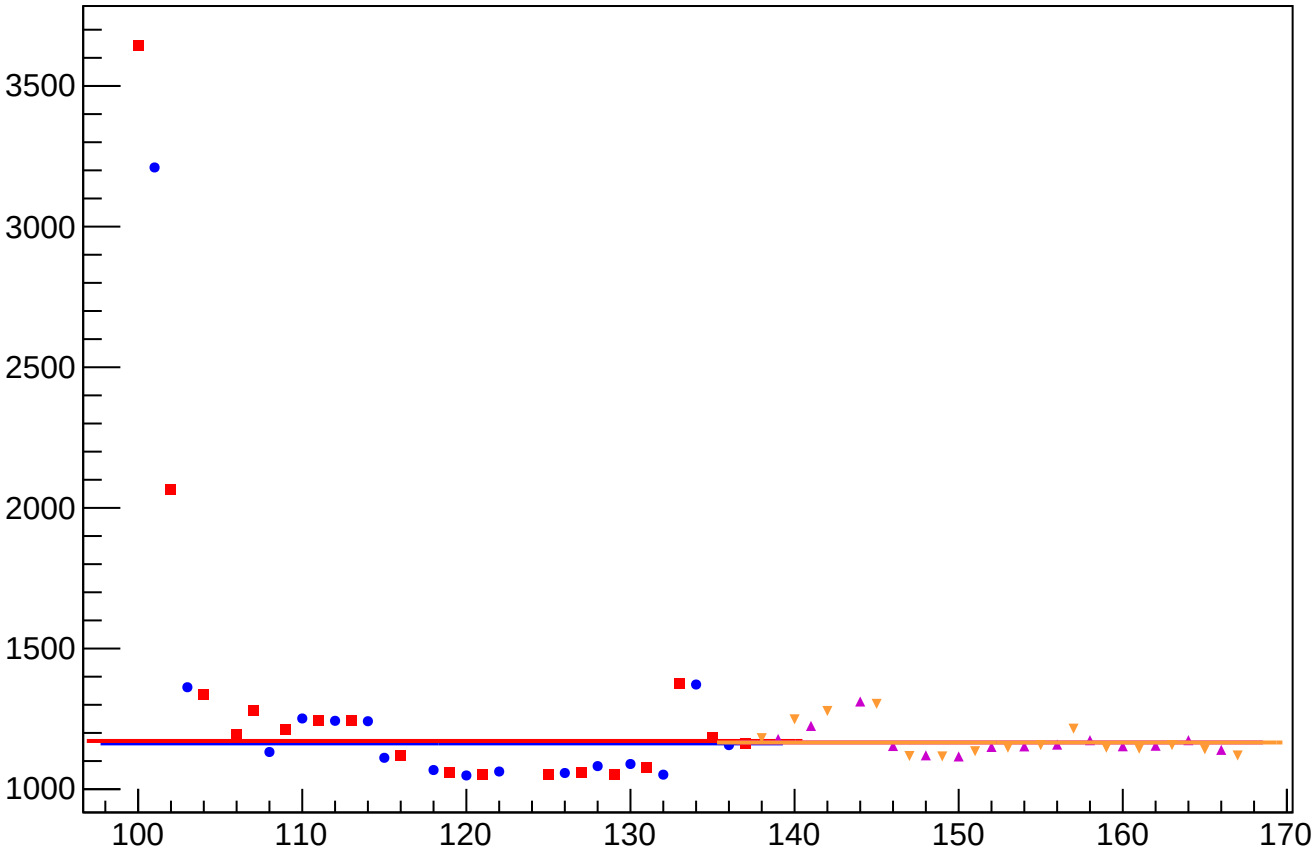
Left: -141.041+/-241.481 χ^2/NDF: 48.1/28

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -671.653+/-271.388 χ^2/NDF:25.8/29

Out: 393.860+/-270.428 χ^2/NDF:50.5/32

All: -137.007+/-191.560 χ^2/NDF: 84.1/62



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1166.018+/-0.240 χ^2/NDF:47722.2/14

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1166.230+/-0.243 χ^2/NDF:34827.6/13

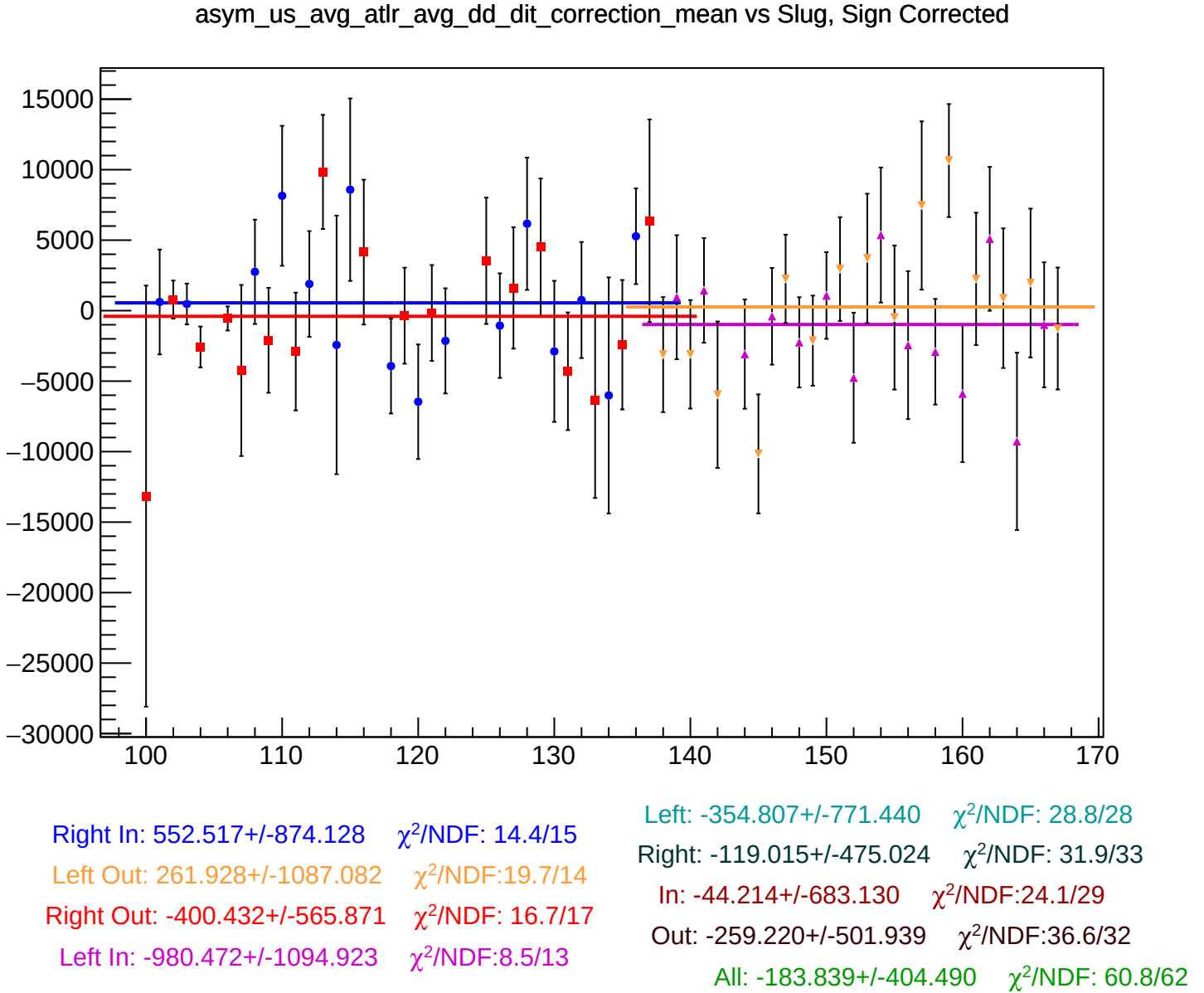
Left: 1166.123+/-0.171 χ^2/NDF: 82550.2/28

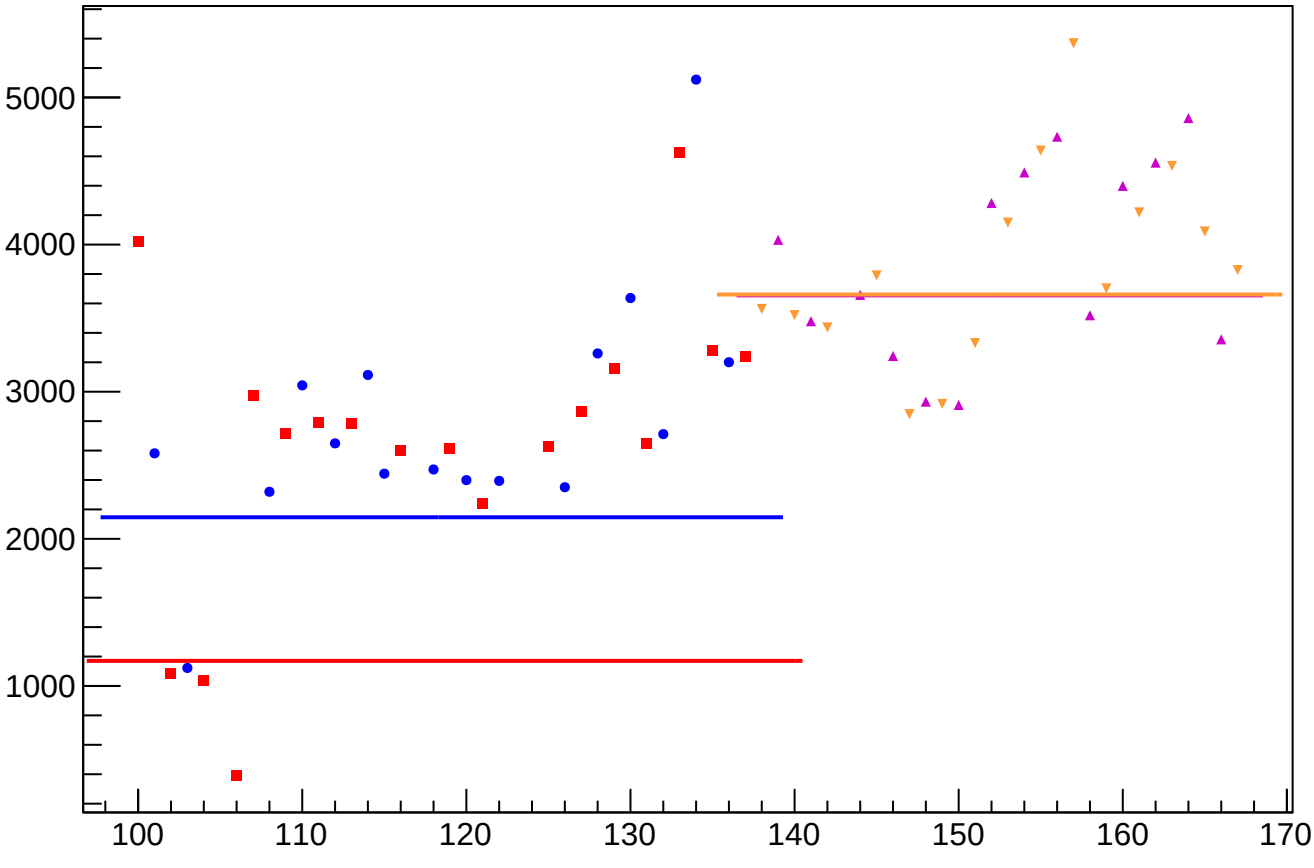
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1164.960+/-0.192 χ^2/NDF:670253.8/29

Out: 1167.995+/-0.191 χ^2/NDF:379548.3/32

All: 1166.483+/-0.135 χ^2/NDF: 1049927.5/62


asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: 552.517+/-874.128 χ²/NDF: 14.4/15
Left Out: 261.928+/-1087.082 χ²/NDF:19.7/14
Right Out: -400.432+/-565.871 χ²/NDF: 16.7/17
Left In: -980.472+/-1094.923 χ²/NDF:8.5/13
Left: -354.807+/-771.440 χ²/NDF: 28.8/28
Right: -119.015+/-475.024 χ²/NDF: 31.9/33
In: -44.214+/-683.130 χ²/NDF:24.1/29
Out: -259.220+/-501.939 χ²/NDF:36.6/32
All: -183.839+/-404.490 χ²/NDF: 60.8/62



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3660.542+/-0.769 χ^2/NDF:635254.8/14

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3654.738+/-0.774 χ^2/NDF:644455.9/13

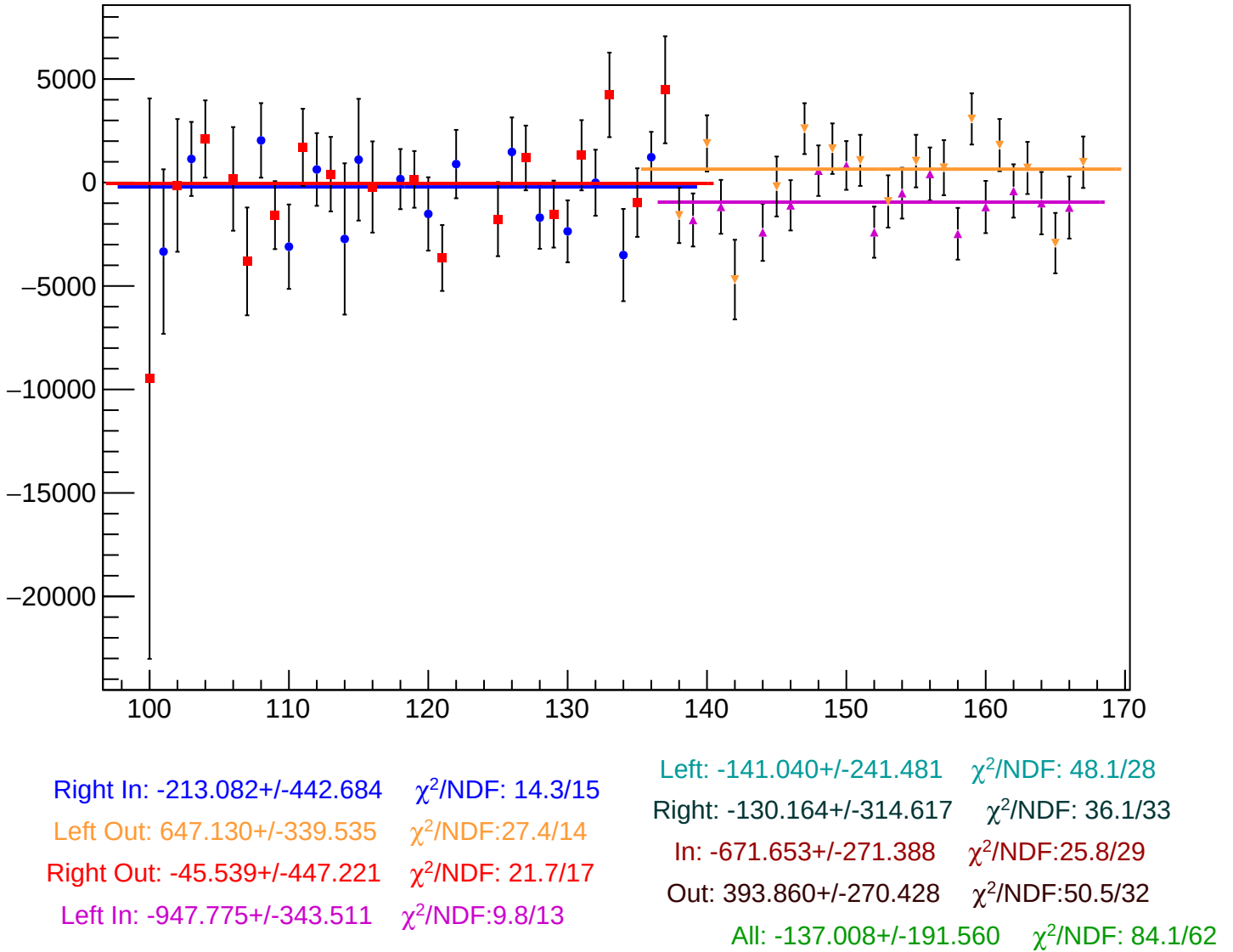
Left: 3657.661+/-0.545 χ^2/NDF: 1279739.1/28

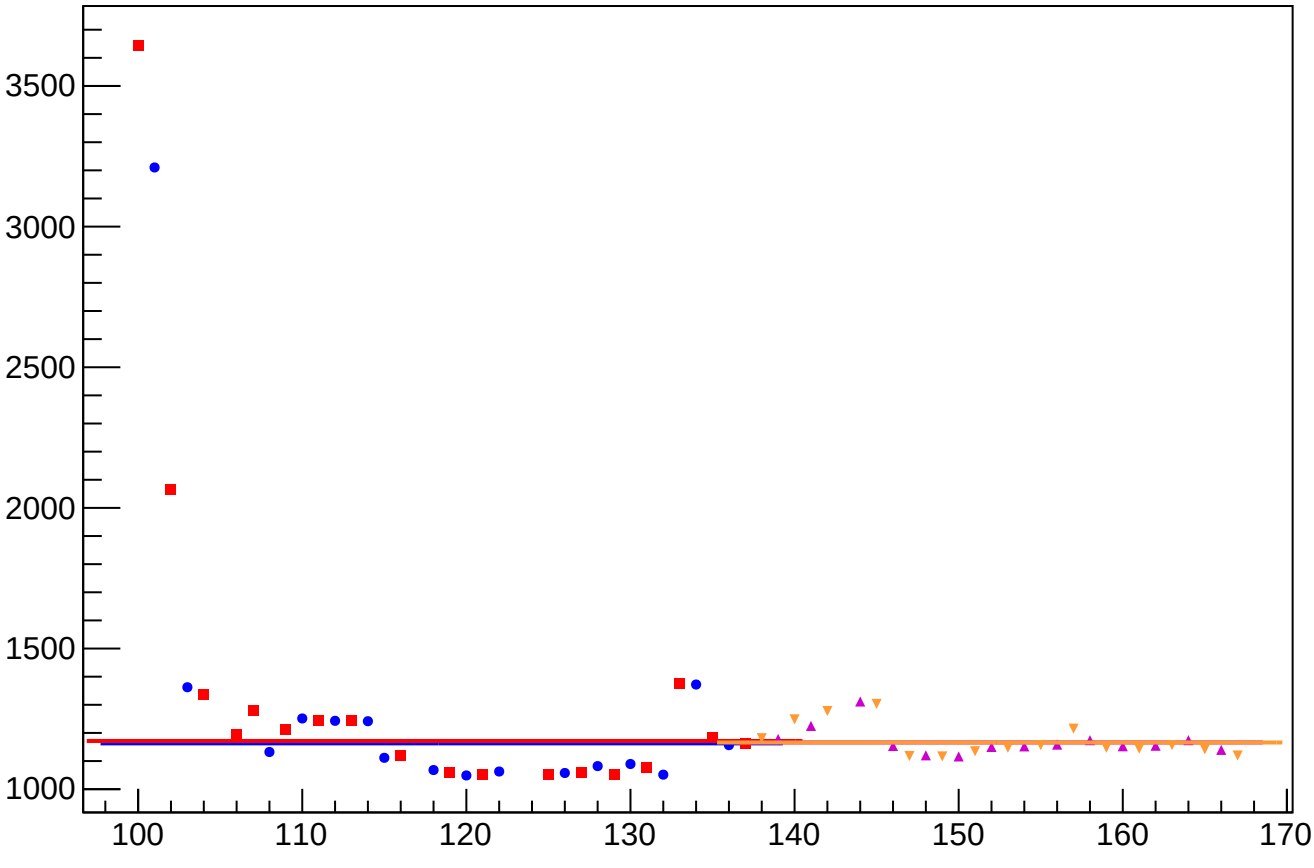
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2733.667+/-0.483 χ^2/NDF:4936533.5/29

Out: 1701.423+/-0.355 χ^2/NDF:14708559.8/32

All: 2063.325+/-0.286 χ^2/NDF: 22610623.5/6


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 647.130+/-339.535 χ²/NDF:27.4/14
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -947.775+/-343.511 χ²/NDF:9.8/13
Left: -141.040+/-241.481 χ²/NDF: 48.1/28
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -671.653+/-271.388 χ²/NDF:25.8/29
Out: 393.860+/-270.428 χ²/NDF:50.5/32
All: -137.008+/-191.560 χ²/NDF: 84.1/62



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1166.019+/-0.240 χ^2/NDF:47722.6/14

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1166.231+/-0.243 χ^2/NDF:34827.8/13

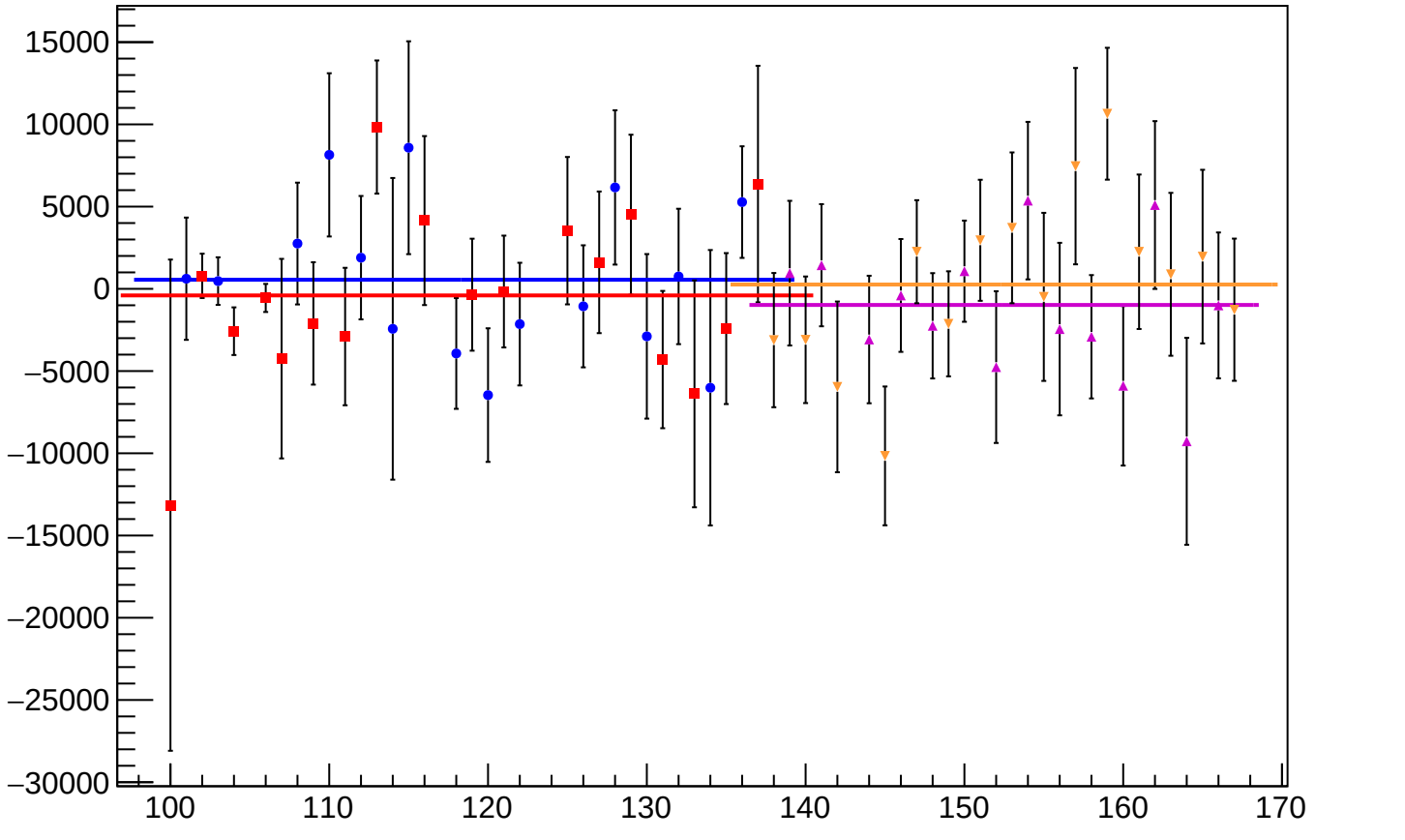
Left: 1166.124+/-0.171 χ^2/NDF: 82550.8/28

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1164.961+/-0.192 χ^2/NDF:670254.2/29

Out: 1167.995+/-0.191 χ^2/NDF:379548.2/32

All: 1166.484+/-0.135 χ^2/NDF: 1049927.8/62



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 261.929+/-1087.083 χ^2/NDF:19.7/14

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -980.470+/-1094.925 χ^2/NDF:8.5/13

Left: -354.806+/-771.441 χ^2/NDF: 28.8/28

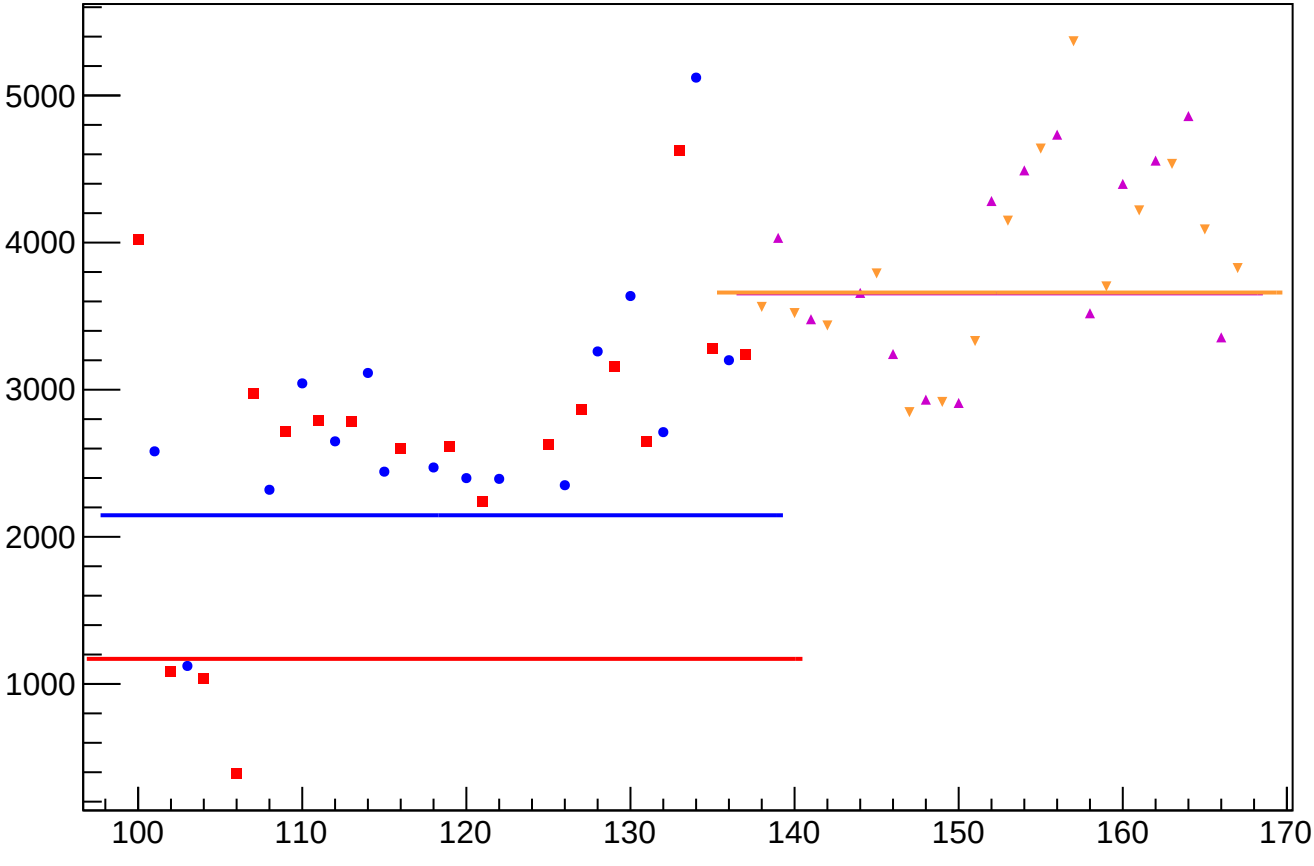
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: -44.215+/-683.130 χ^2/NDF:24.1/29

Out: -259.224+/-501.934 χ^2/NDF:36.6/32

All: -183.843+/-404.487 χ^2/NDF: 60.8/62

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3660.547+/-0.769 χ^2/NDF:635257.3/14

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3654.743+/-0.774 χ^2/NDF:644457.2/13

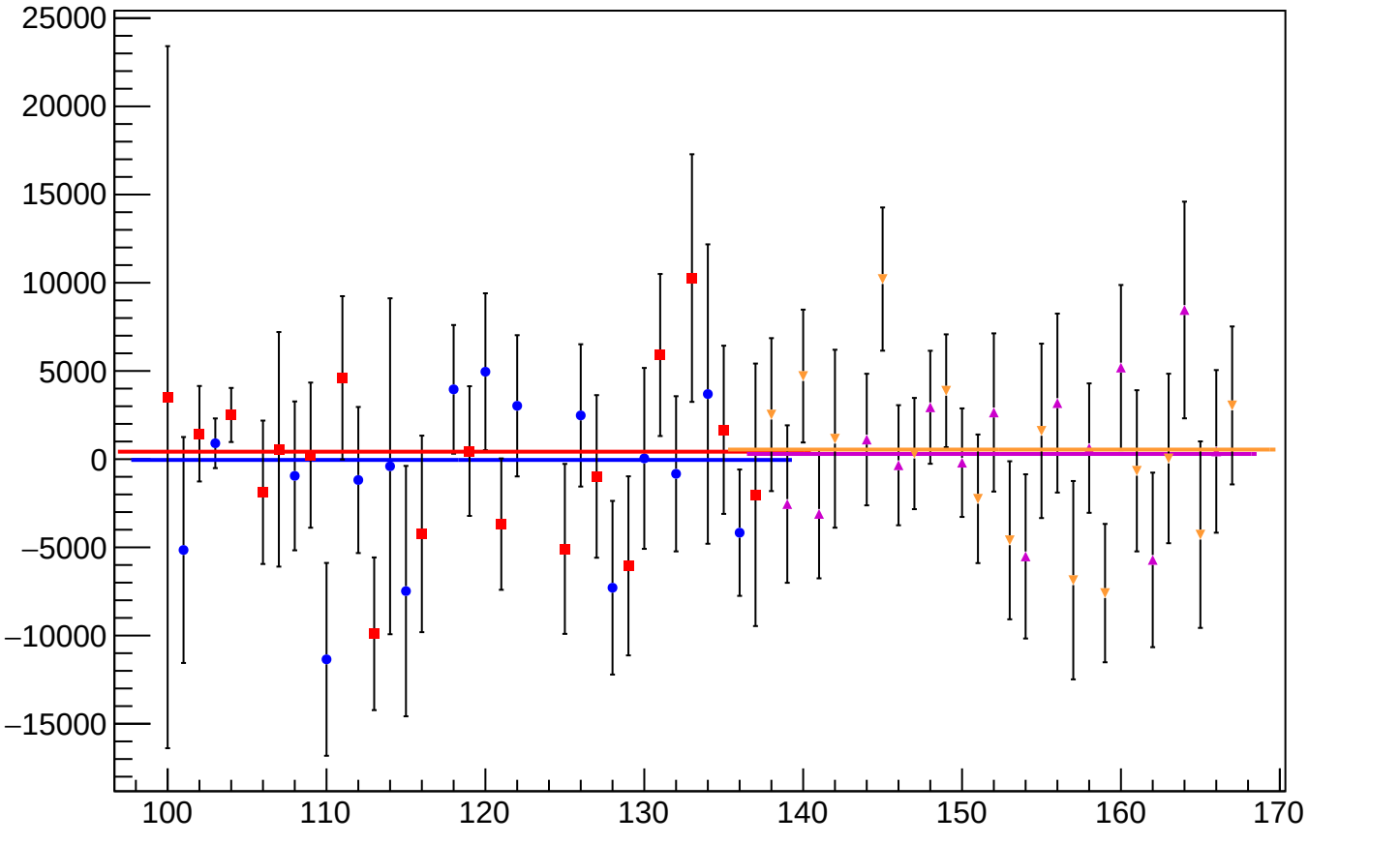
Left: 3657.666+/-0.545 χ^2/NDF: 1279742.8/28

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2733.665+/-0.483 χ^2/NDF:4936553.4/29

Out: 1701.394+/-0.355 χ^2/NDF:14708898.7/32

All: 2063.302+/-0.286 χ^2/NDF: 22611153.7/6



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 543.356+/-1077.377 χ^2/NDF:17.4/14

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 294.336+/-1081.198 χ^2/NDF:8.6/13

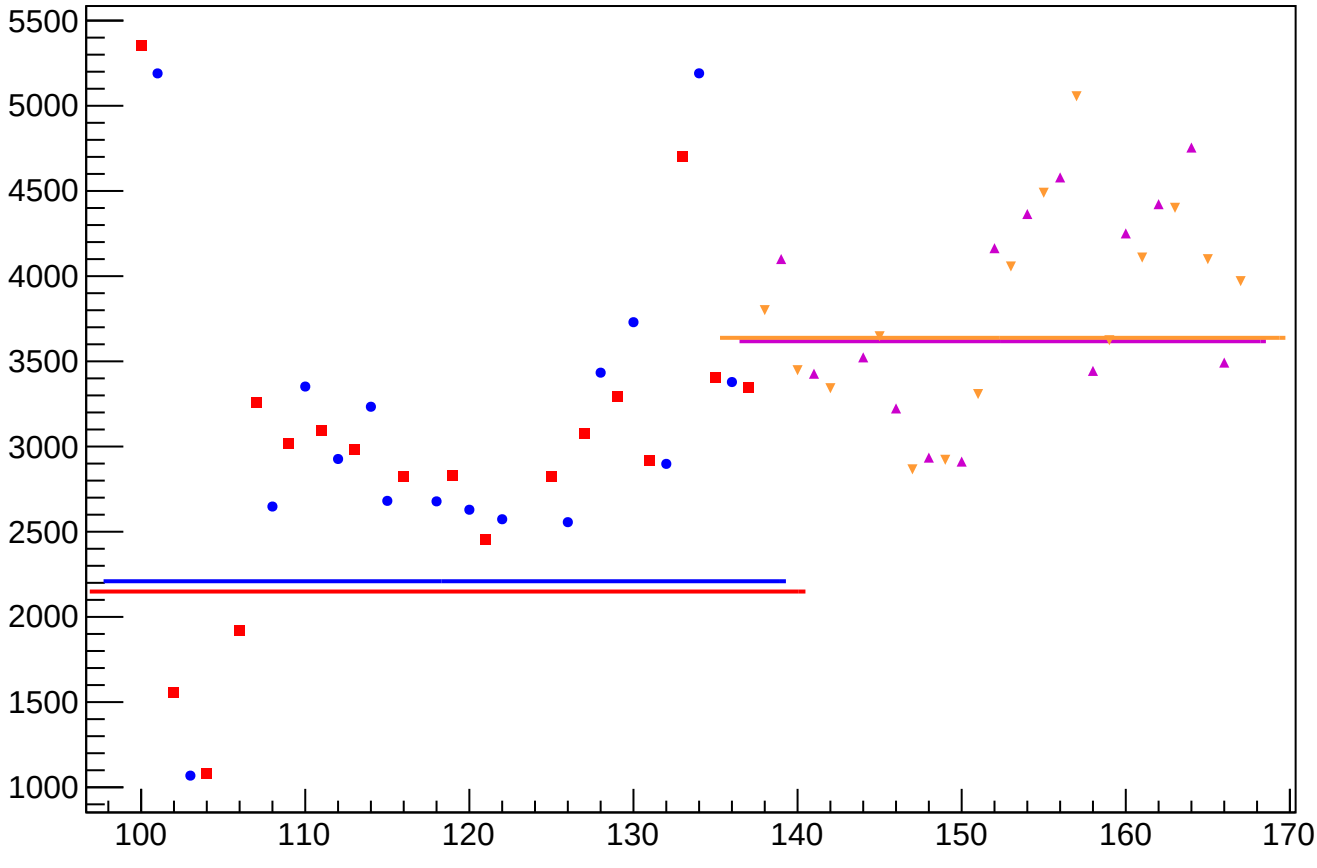
Left: 419.287+/-763.168 χ^2/NDF: 26.0/28

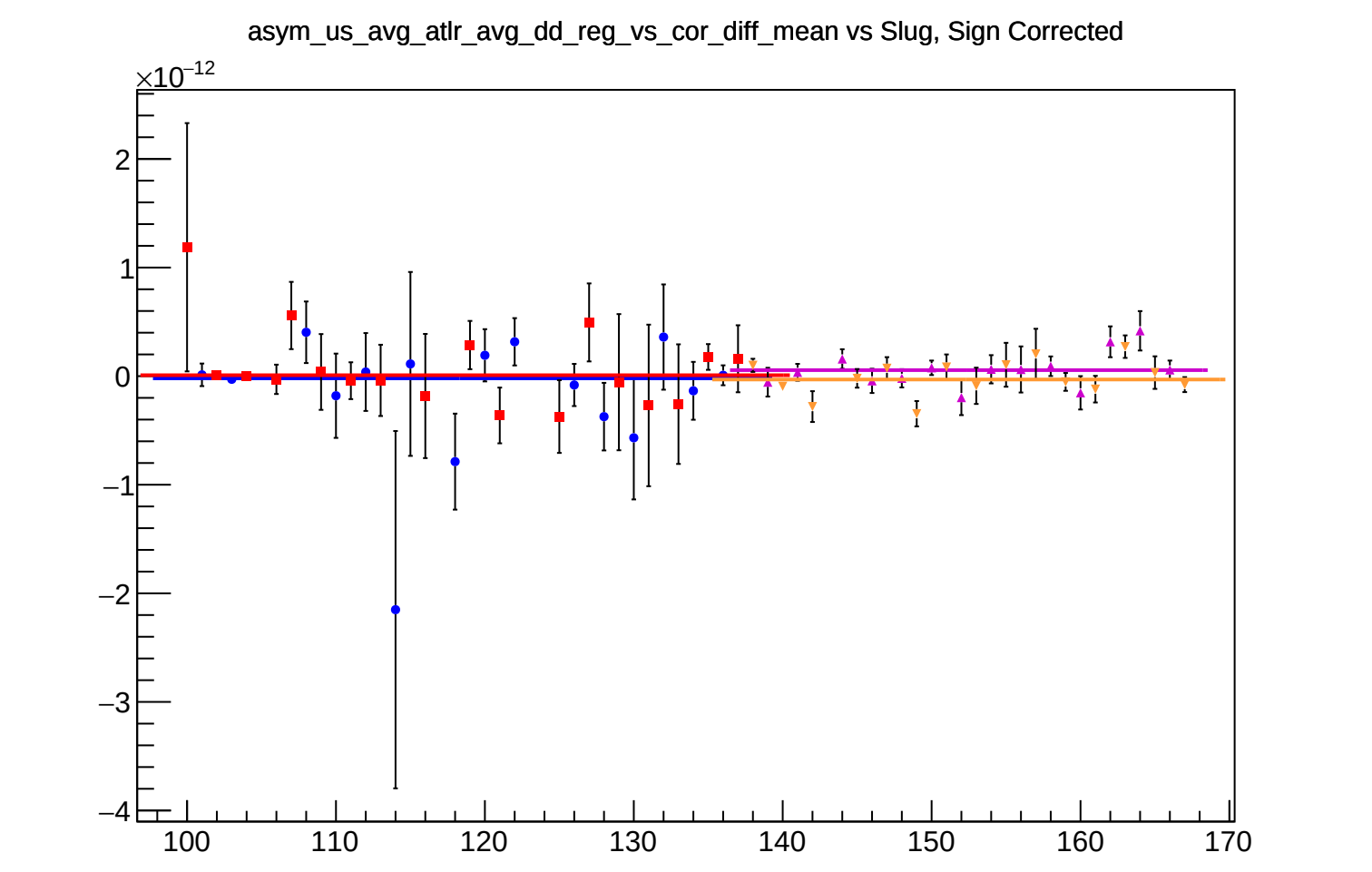
Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: 97.716+/-700.995 χ^2/NDF:22.4/29

Out: 472.537+/-689.231 χ^2/NDF:34.8/32

All: 288.298+/-491.466 χ^2/NDF: 57.3/62


asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 2209.349+/-0.651 χ²/NDF: 2836875.7/15
Left Out: 3638.061+/-0.762 χ²/NDF:553267.9/14
Right Out: 2148.948+/-0.633 χ²/NDF: 2269660.8/17
Left In: 3618.001+/-0.765 χ²/NDF:570228.5/13
Left: 3628.067+/-0.540 χ²/NDF: 1123841.8/28
Right: 2178.279+/-0.454 χ²/NDF: 5110964.0/33
In: 2801.485+/-0.496 χ²/NDF:5374934.3/29
Out: 2756.651+/-0.487 χ²/NDF:5084447.1/32
All: 2778.657+/-0.347 χ²/NDF: 10463547.1/6



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:15.6/13

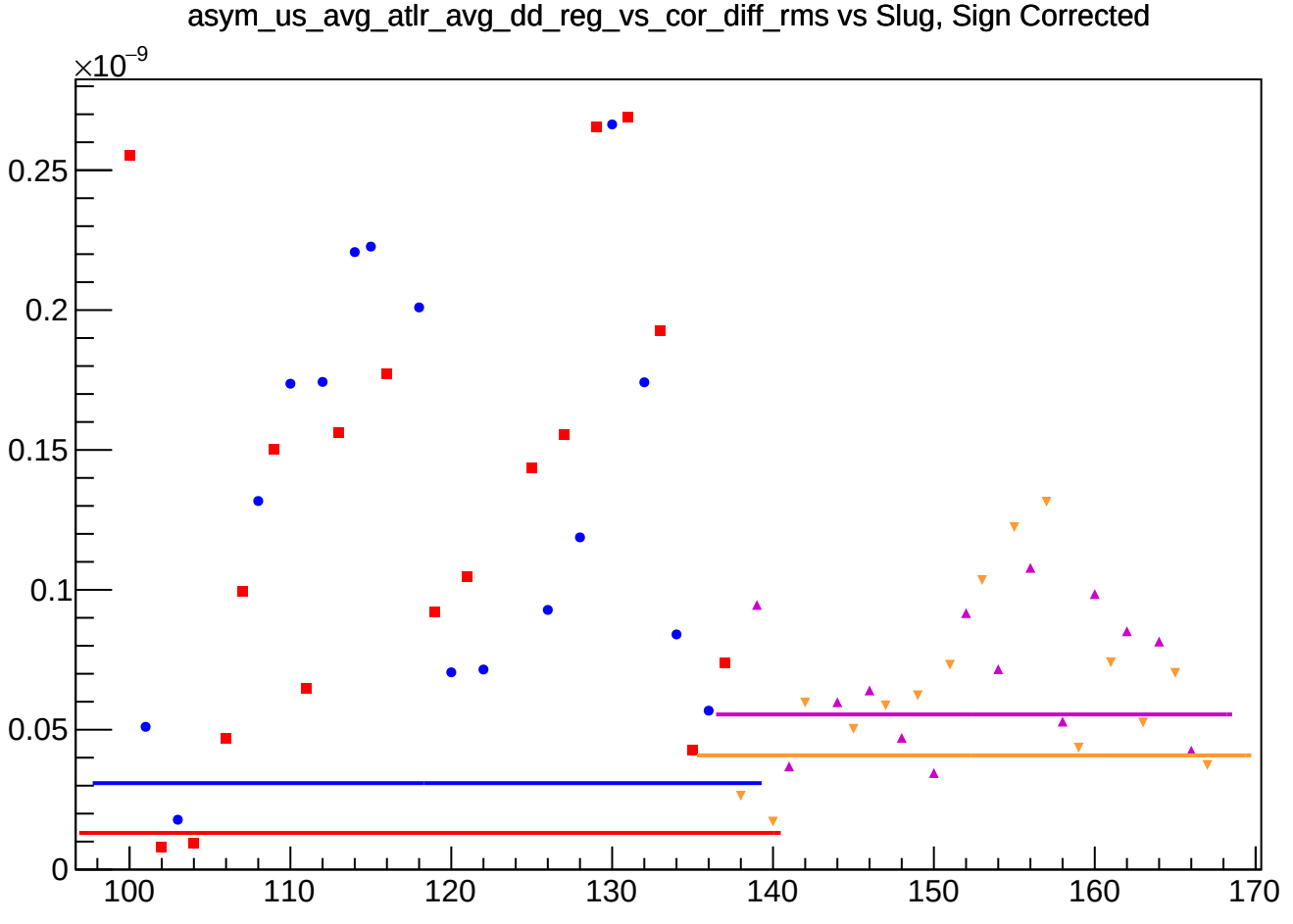
Left: 0.000+/-0.000 χ^2/NDF: 52.2/28

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:33.3/29

Out: -0.000+/-0.000 χ^2/NDF:46.9/32

All: 0.000+/-0.000 χ^2/NDF: 80.8/62



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2302040.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1109421.8/13

Left: 0.000+/-0.000 χ^2/NDF: 3744717.7/28

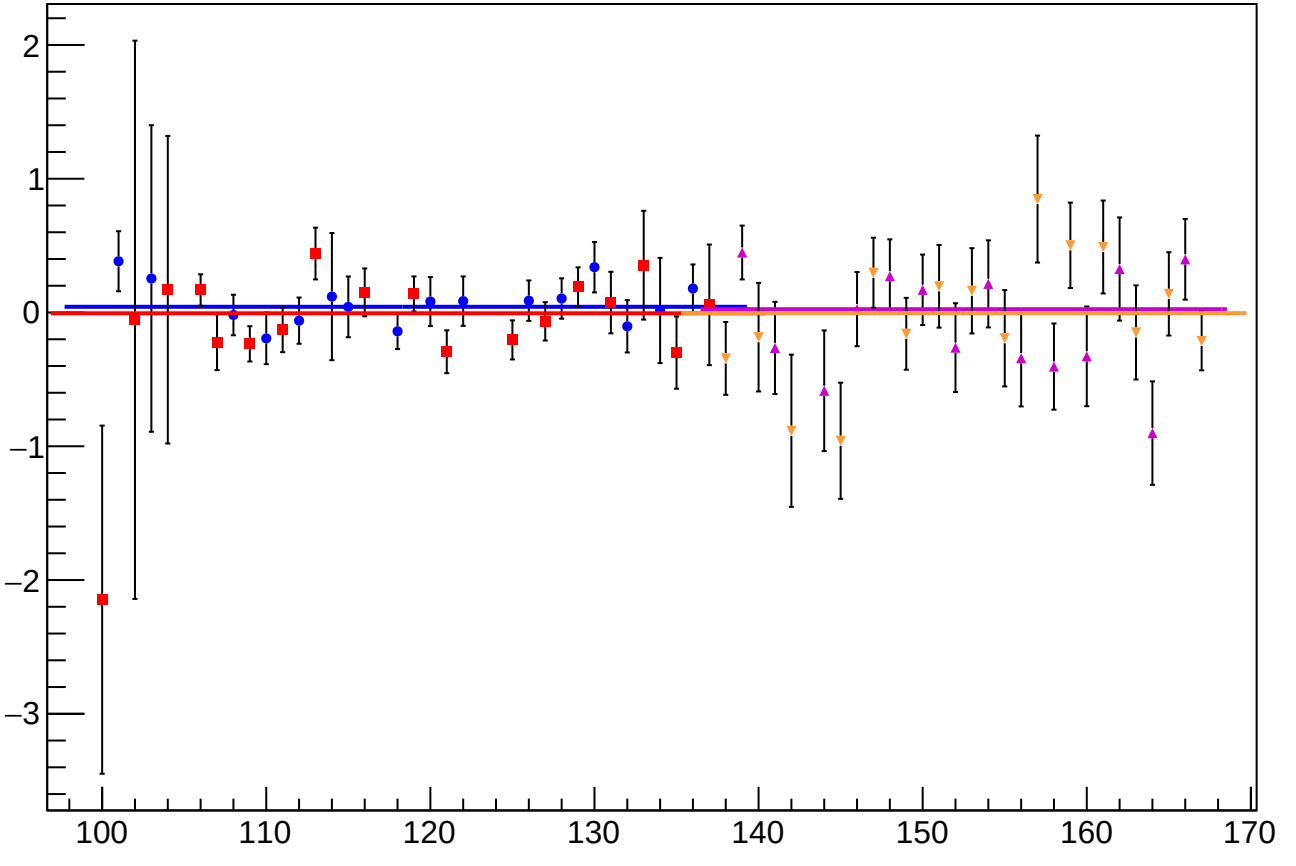
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4955821.0/29

Out: 0.000+/-0.000 χ^2/NDF:8047804.6/32

All: 0.000+/-0.000 χ^2/NDF: 14687043.1/62

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.005+/-0.083 χ^2/NDF:20.6/14

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.083 χ^2/NDF:20.7/13

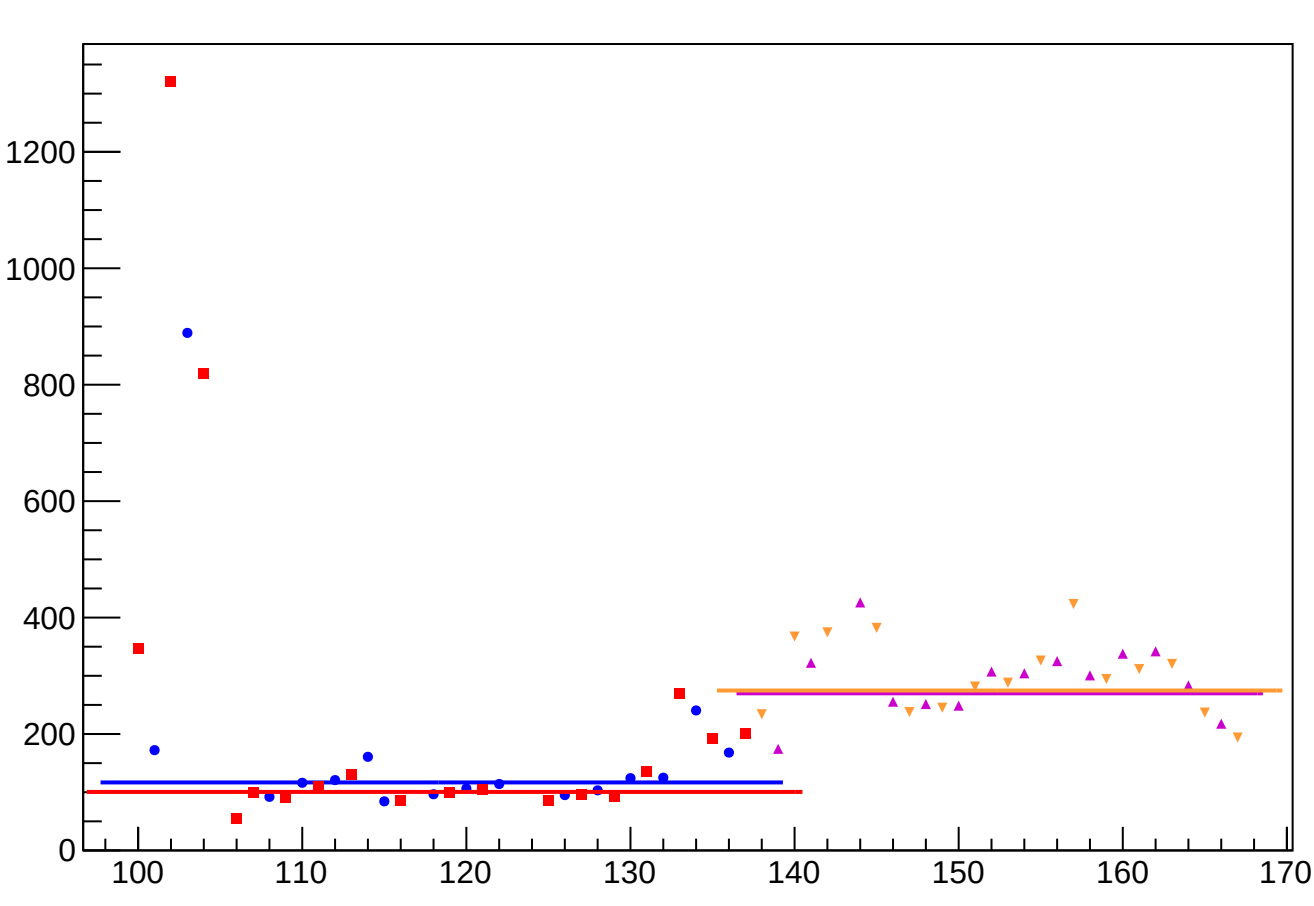
Left: 0.010+/-0.059 χ^2/NDF: 41.4/28

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.038+/-0.041 χ^2/NDF:31.0/29

Out: -0.006+/-0.038 χ^2/NDF:46.7/32

All: 0.015+/-0.028 χ^2/NDF: 78.3/62



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 274.716+/-0.058 χ^2/NDF:1004040.2/14

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 269.917+/-0.059 χ^2/NDF:1073812.2/13

Left: 272.317+/-0.041 χ^2/NDF: 2081216.0/28

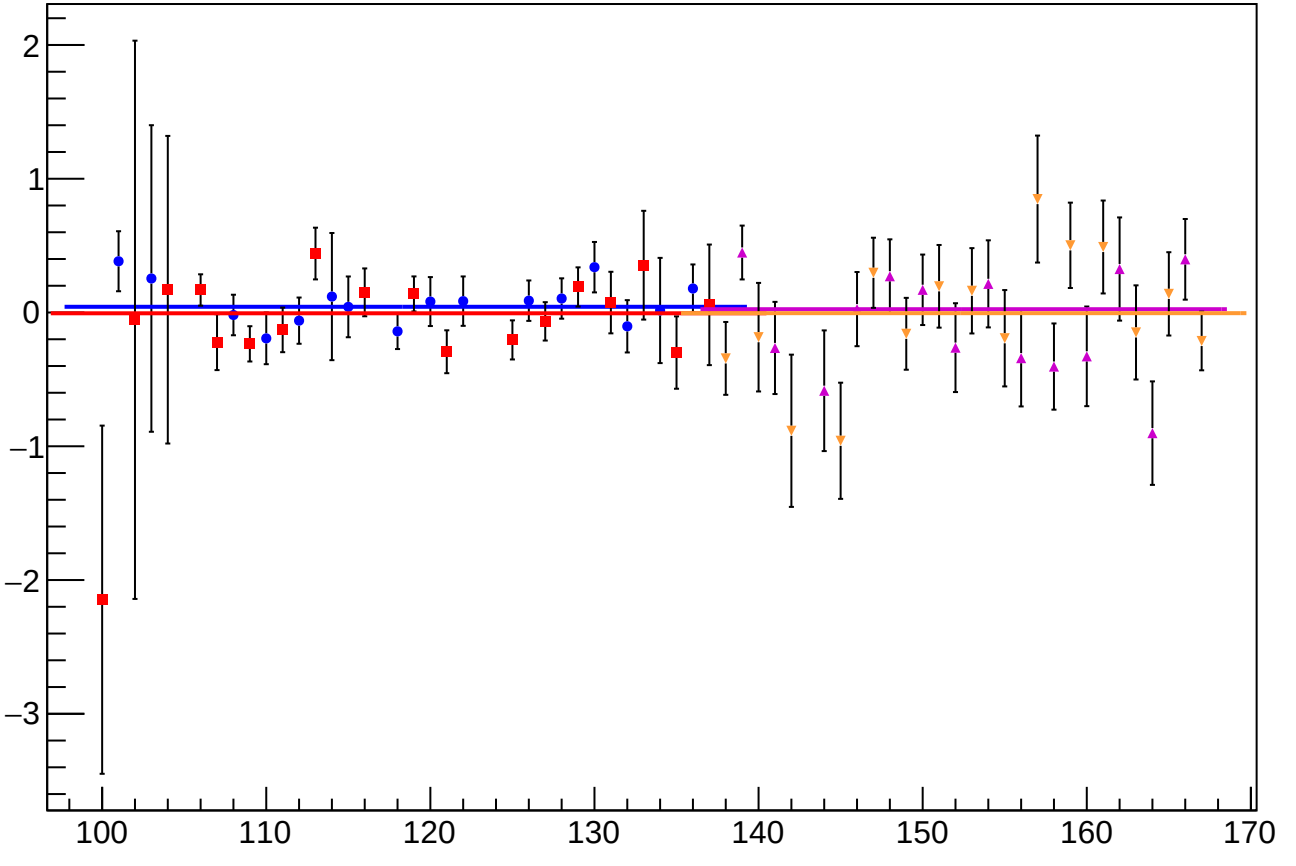
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 154.729+/-0.029 χ^2/NDF:7843127.9/29

Out: 138.108+/-0.027 χ^2/NDF:10621399.6/32

All: 145.844+/-0.020 χ^2/NDF: 18638750.1/62

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.005+/-0.083 χ^2/NDF:20.6/14

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.083 χ^2/NDF:20.7/13

Left: 0.010+/-0.059 χ^2/NDF: 41.4/28

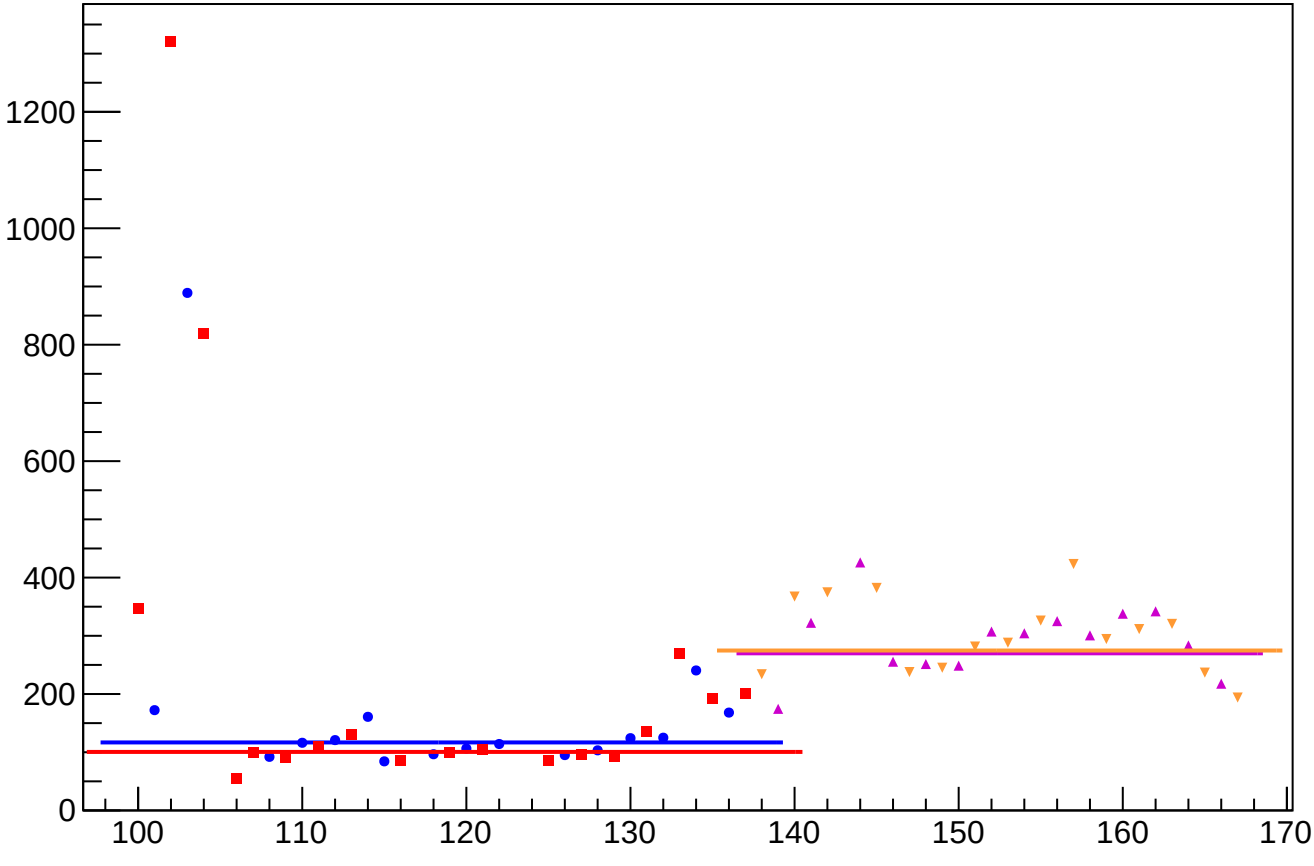
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.038+/-0.041 χ^2/NDF:31.0/29

Out: -0.006+/-0.038 χ^2/NDF:46.7/32

All: 0.015+/-0.028 χ^2/NDF: 78.3/62

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 274.716+/-0.058 χ^2/NDF:1004040.2/14

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 269.917+/-0.059 χ^2/NDF:1073812.2/13

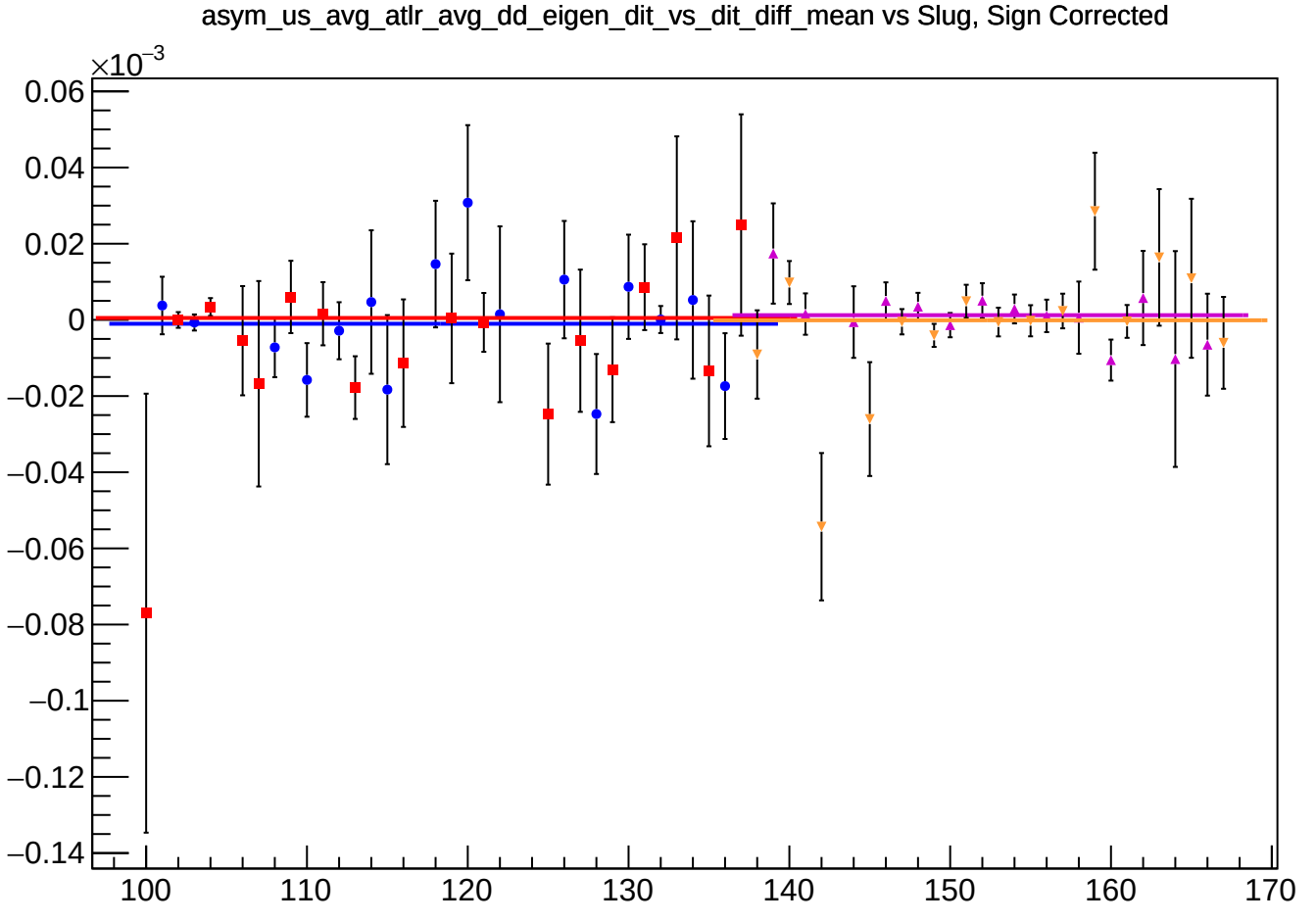
Left: 272.317+/-0.041 χ^2/NDF: 2081216.0/28

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 154.729+/-0.029 χ^2/NDF:7843127.9/29

Out: 138.108+/-0.027 χ^2/NDF:10621399.6/32

All: 145.844+/-0.020 χ^2/NDF: 18638750.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.5/13

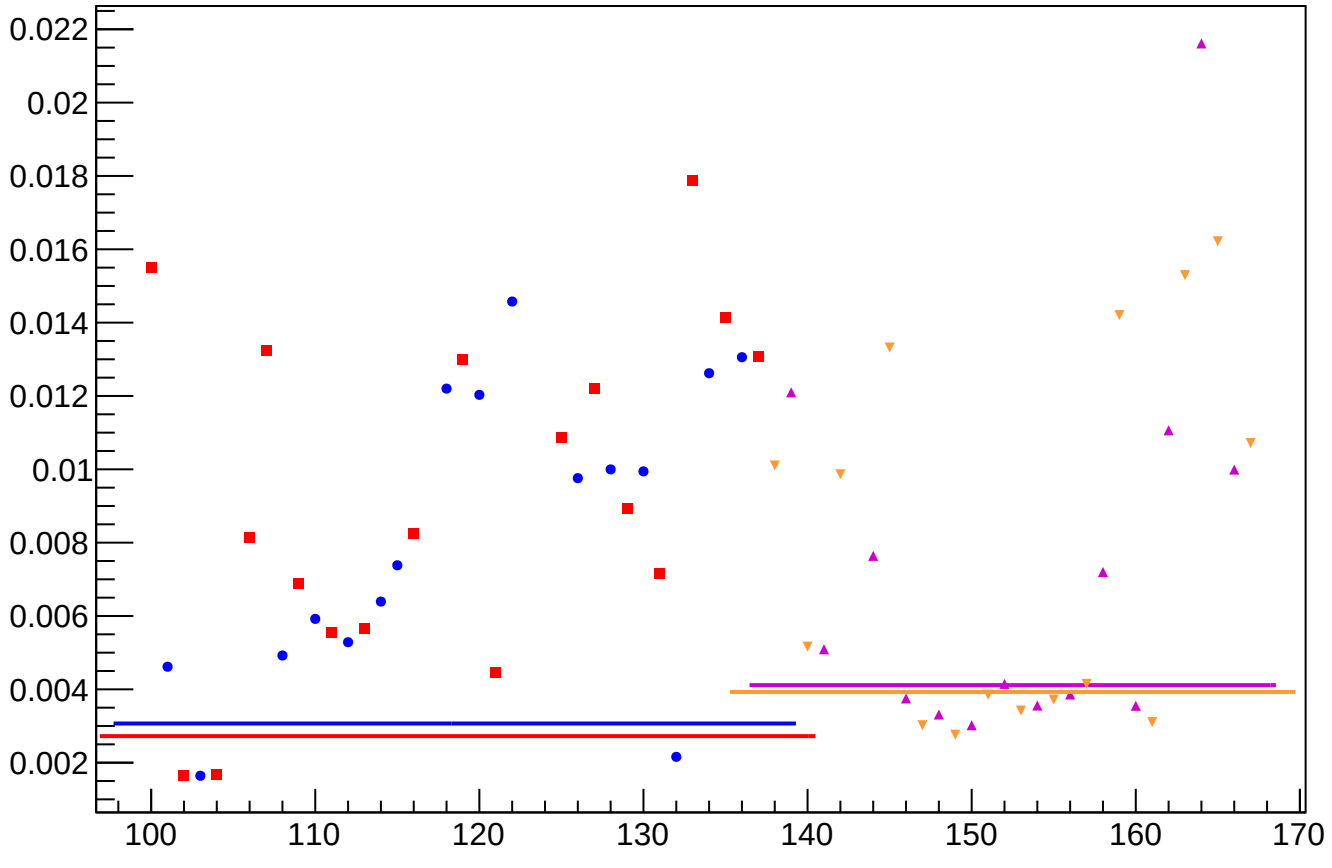
Left: 0.000+/-0.000 χ^2/NDF: 32.7/28

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:23.2/29

Out: 0.000+/-0.000 χ^2/NDF:37.9/32

All: 0.000+/-0.000 χ^2/NDF: 61.1/62



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:5234197.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:3489925.4/13

Left: 0.004+/-0.000 χ^2/NDF: 8742150.6/28

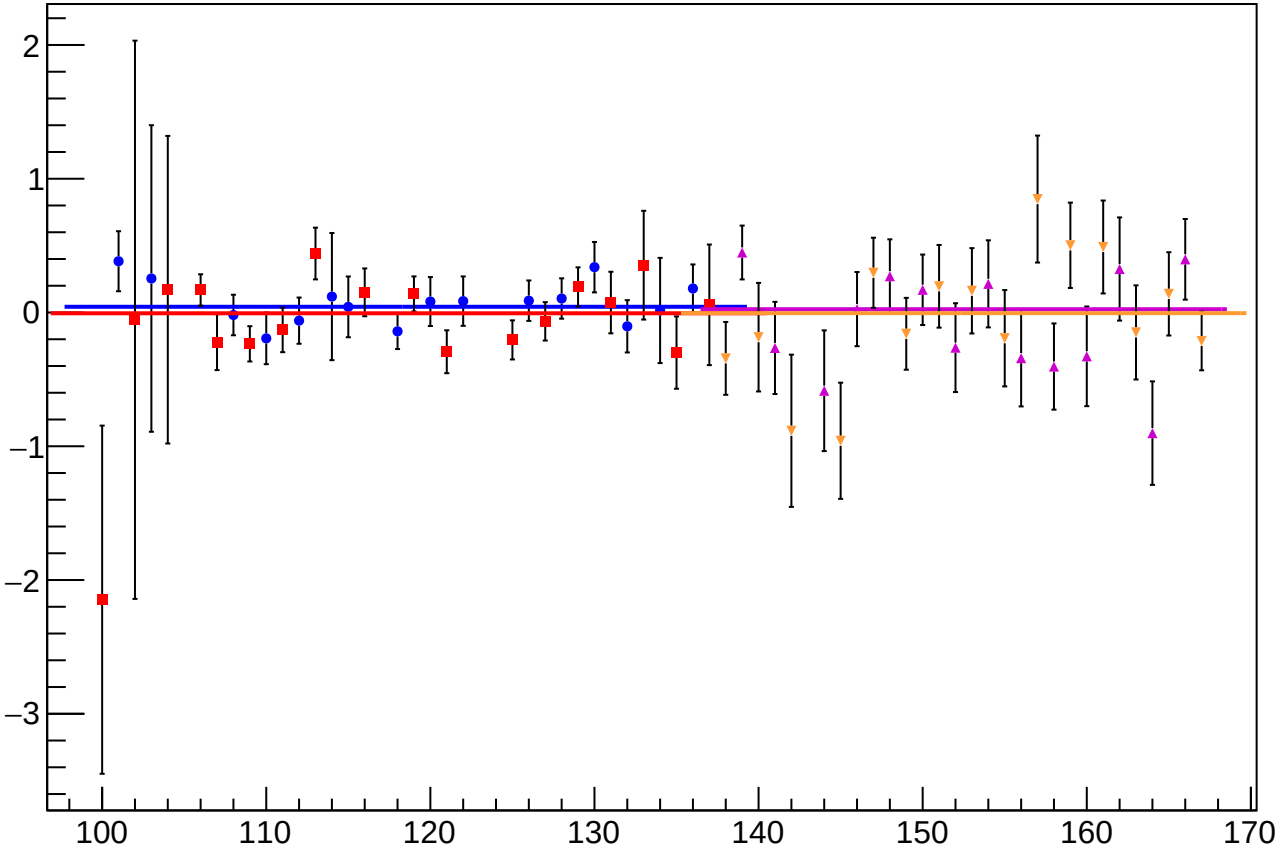
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:9940153.7/29

Out: 0.003+/-0.000 χ^2/NDF:12716794.5/32

All: 0.003+/-0.000 χ^2/NDF: 22745880.9/62

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.005+/-0.083 χ^2/NDF:20.6/14

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.083 χ^2/NDF:20.7/13

Left: 0.010+/-0.059 χ^2/NDF: 41.4/28

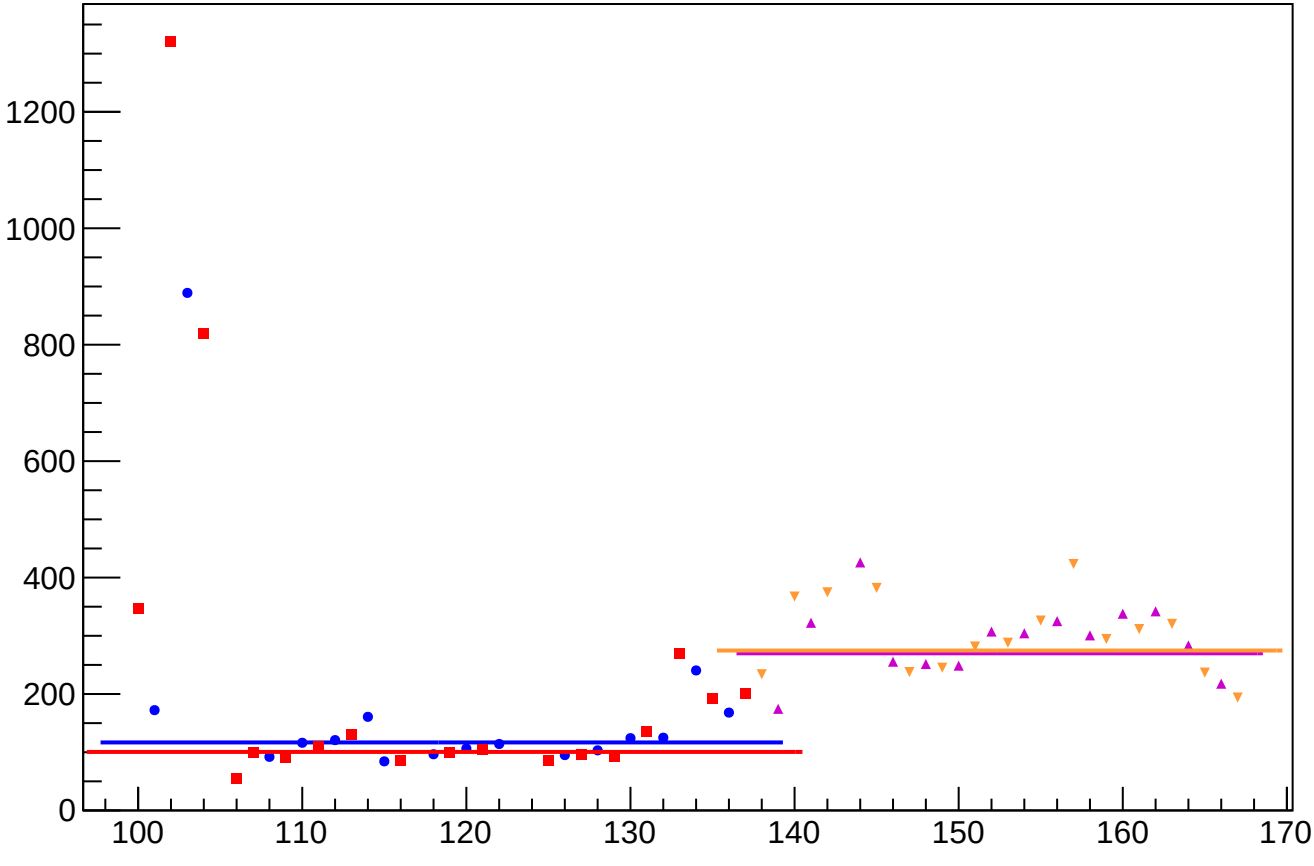
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.038+/-0.041 χ^2/NDF:31.0/29

Out: -0.006+/-0.038 χ^2/NDF:46.7/32

All: 0.015+/-0.028 χ^2/NDF: 78.3/62

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 274.719+/-0.058 χ^2/NDF:1004045.3/14

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 269.920+/-0.059 χ^2/NDF:1073779.1/13

Left: 272.321+/-0.041 χ^2/NDF: 2081187.5/28

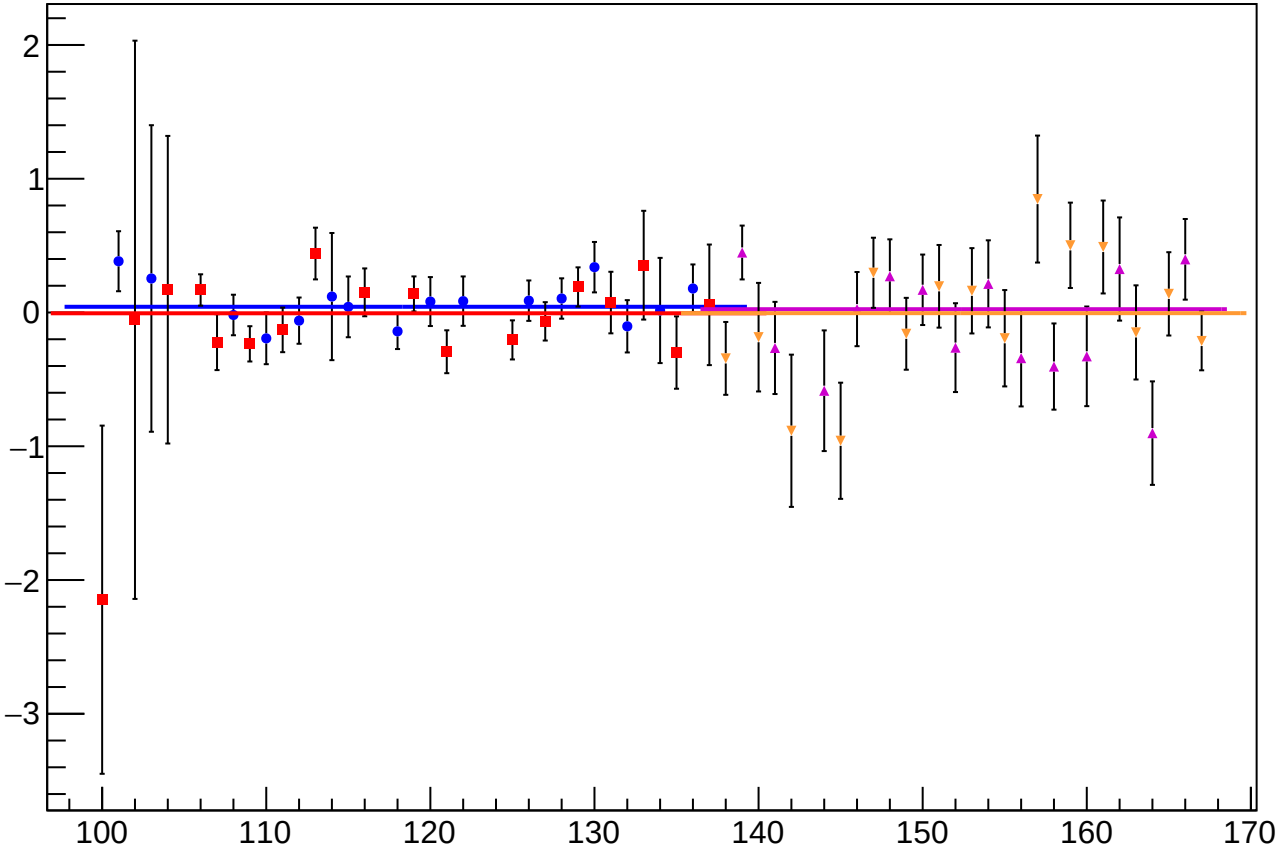
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 154.729+/-0.029 χ^2/NDF:7843258.1/29

Out: 138.107+/-0.027 χ^2/NDF:10621720.5/32

All: 145.843+/-0.020 χ^2/NDF: 18639225.4/62

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.005+/-0.083 χ^2/NDF:20.6/14

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.083 χ^2/NDF:20.7/13

Left: 0.010+/-0.059 χ^2/NDF: 41.4/28

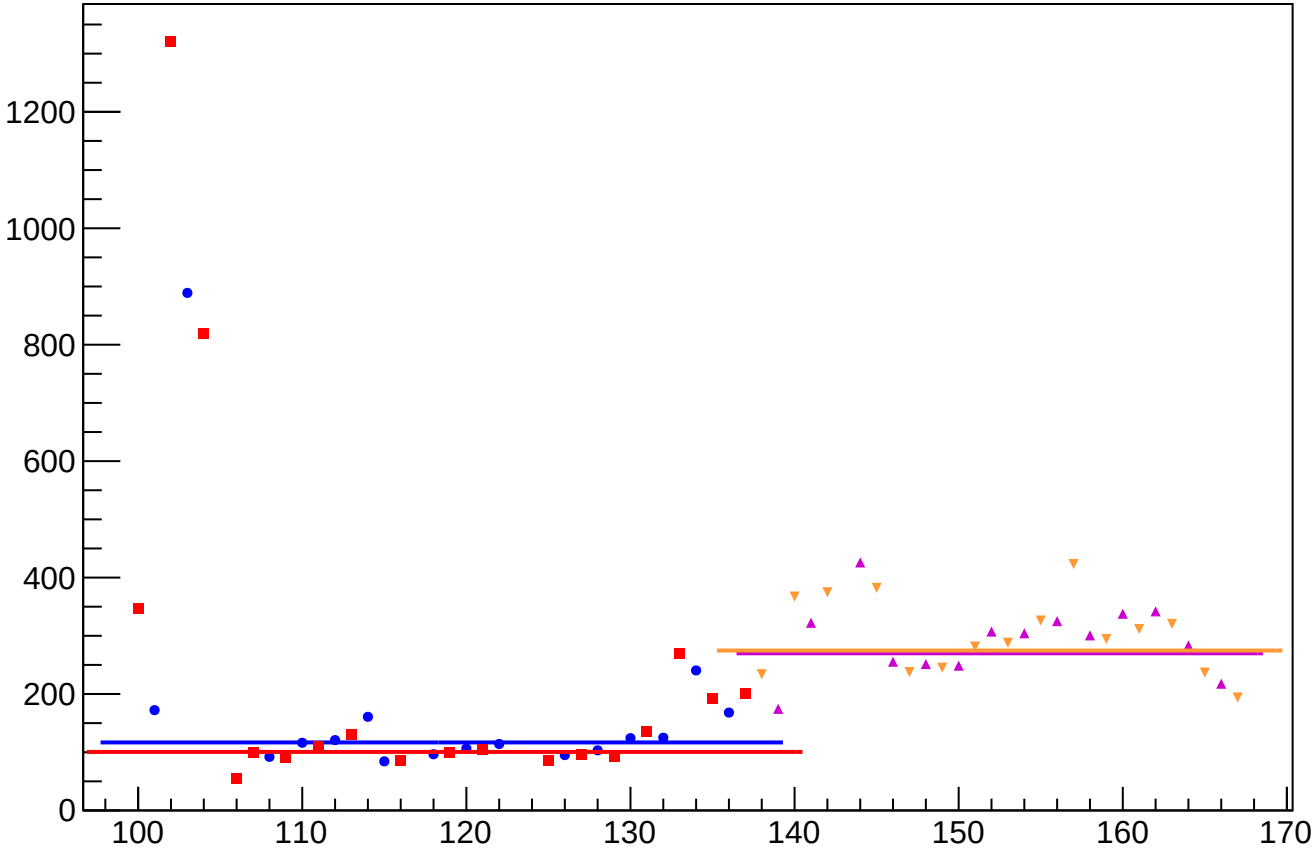
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.038+/-0.041 χ^2/NDF:31.0/29

Out: -0.006+/-0.038 χ^2/NDF:46.7/32

All: 0.015+/-0.028 χ^2/NDF: 78.3/62

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 274.719+/-0.058 χ^2/NDF:1004045.3/14

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 269.920+/-0.059 χ^2/NDF:1073779.1/13

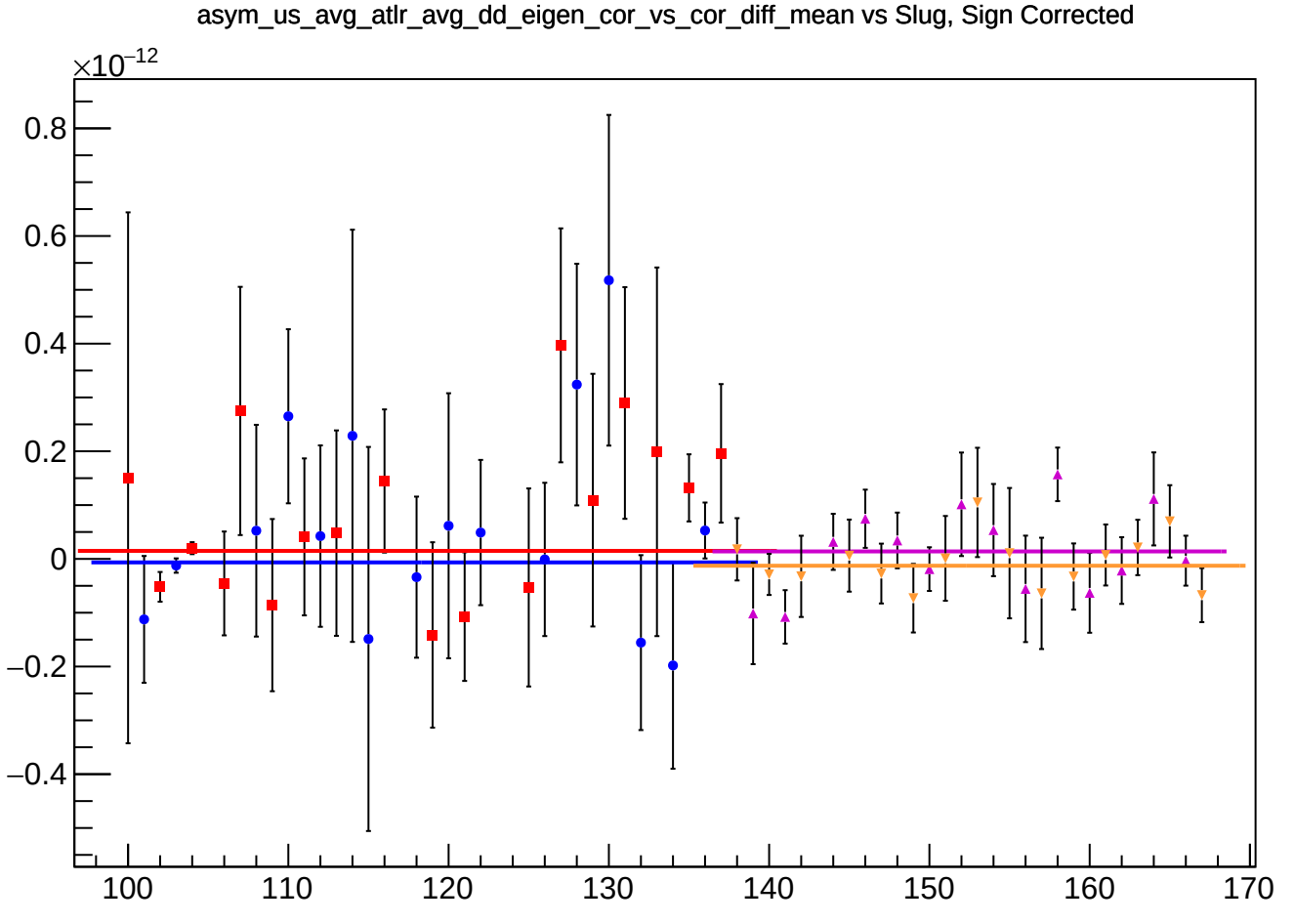
Left: 272.321+/-0.041 χ^2/NDF: 2081187.5/28

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 154.729+/-0.029 χ^2/NDF:7843258.1/29

Out: 138.107+/-0.027 χ^2/NDF:10621720.5/32

All: 145.843+/-0.020 χ^2/NDF: 18639225.4/62



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:22.3/13

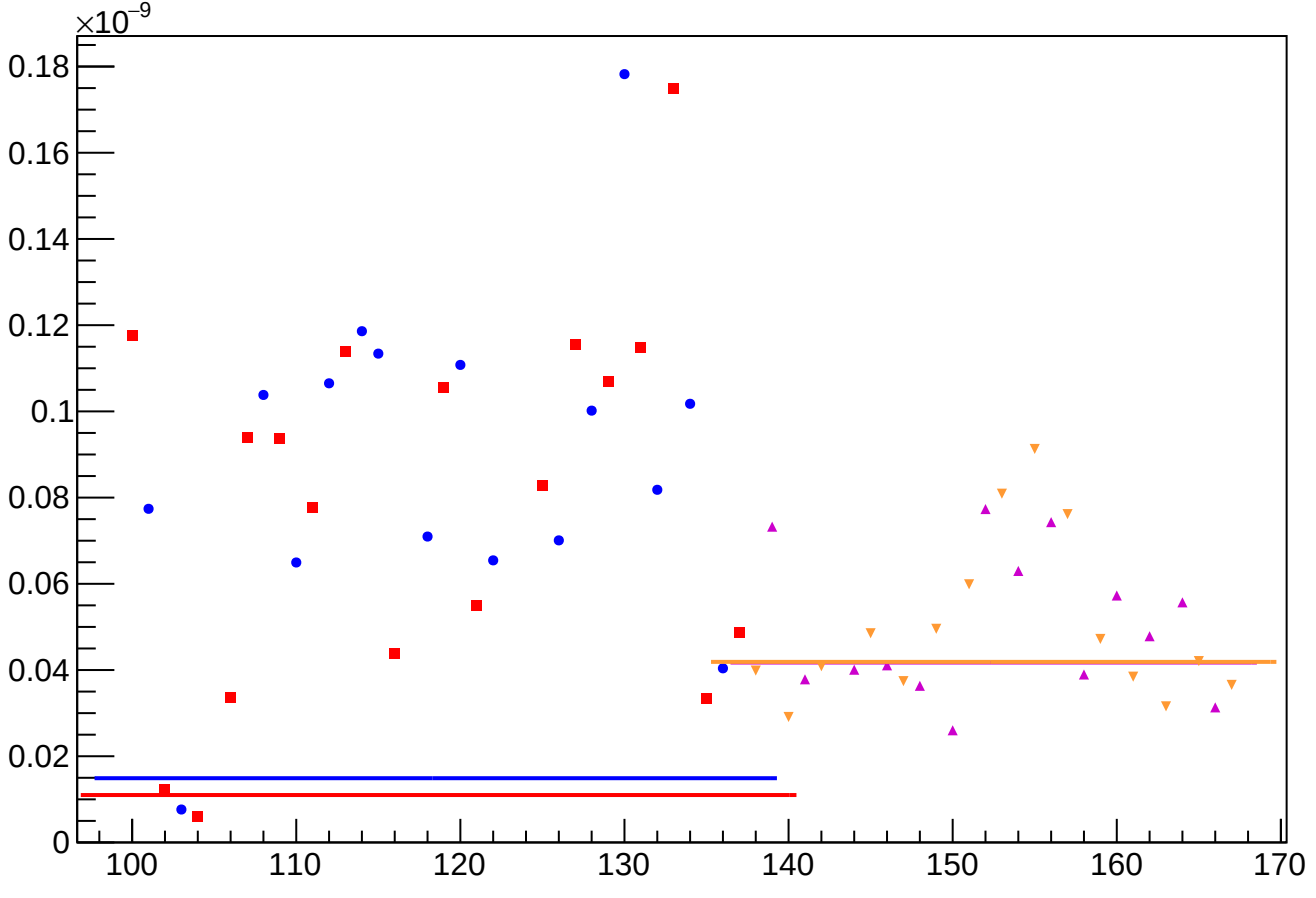
Left: 0.000+/-0.000 χ^2/NDF: 30.3/28

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:36.4/29

Out: 0.000+/-0.000 χ^2/NDF:30.6/32

All: 0.000+/-0.000 χ^2/NDF: 67.2/62



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1365399.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1440741.5/13

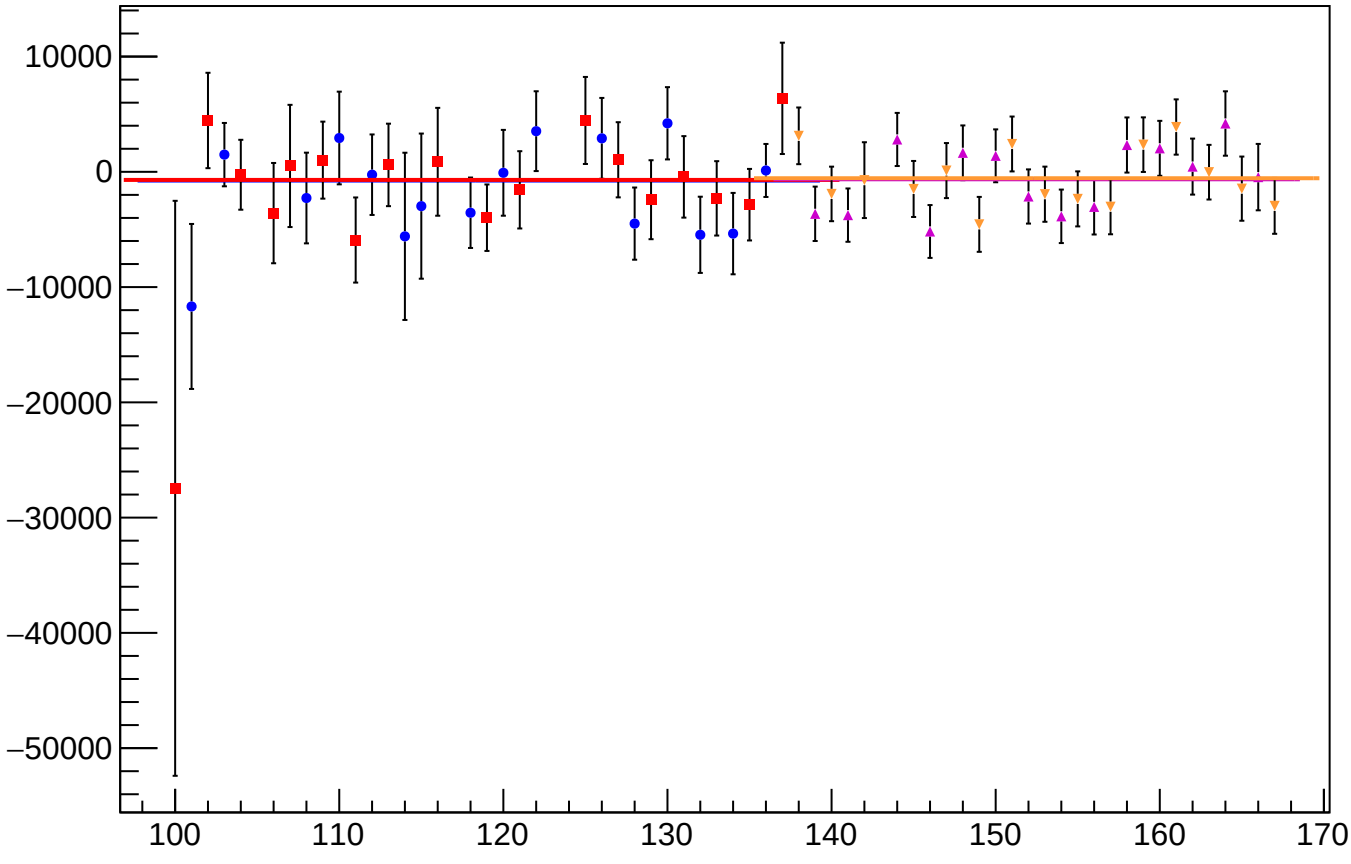
Left: 0.000+/-0.000 χ^2/NDF: 2806234.1/28

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:10885445.1/29

Out: 0.000+/-0.000 χ^2/NDF:12665321.8/32

All: 0.000+/-0.000 χ^2/NDF: 23928951.1/62



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -555.931+/-633.928 χ^2/NDF:15.2/14

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -646.089+/-642.516 χ^2/NDF:20.6/13

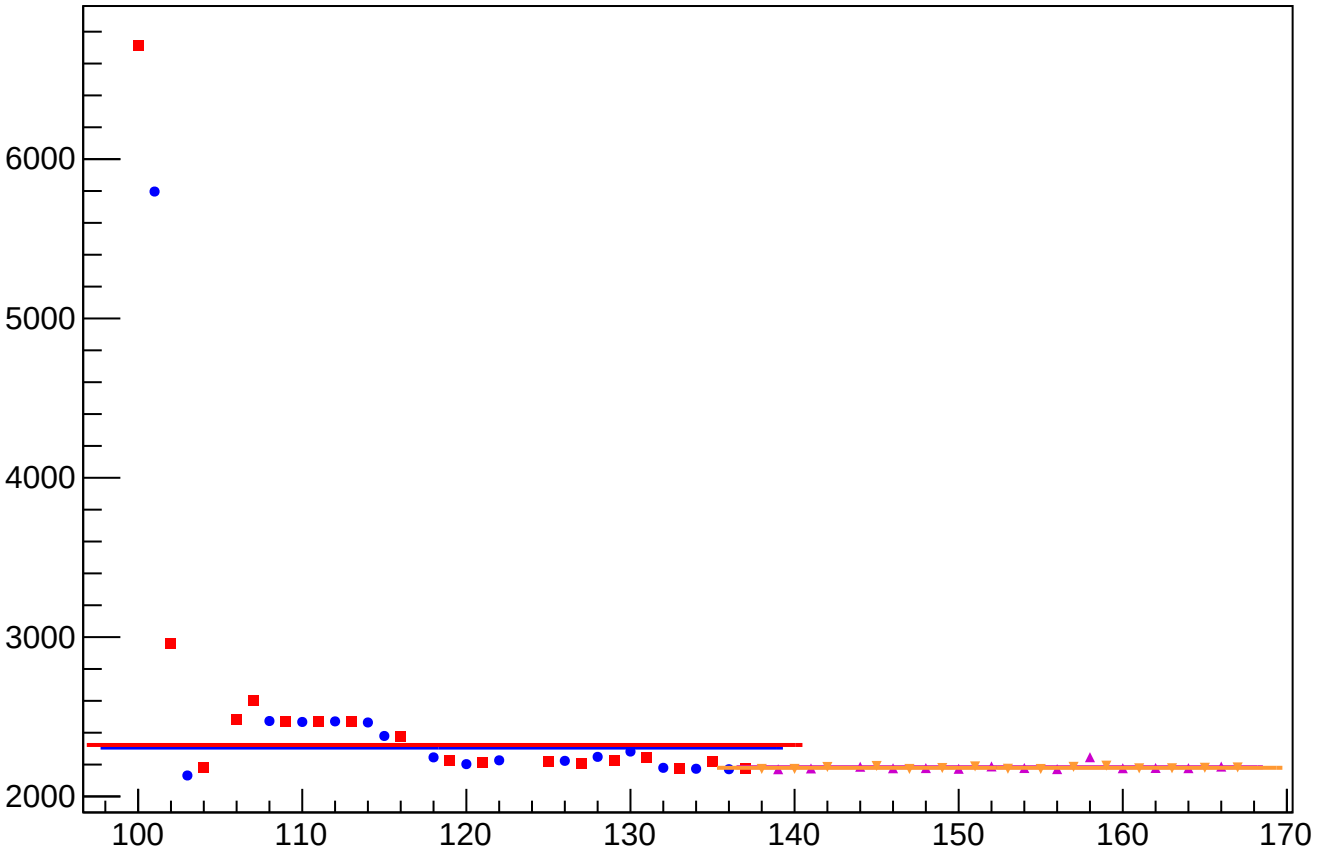
Left: -600.403+/-451.260 χ^2/NDF: 35.9/28

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

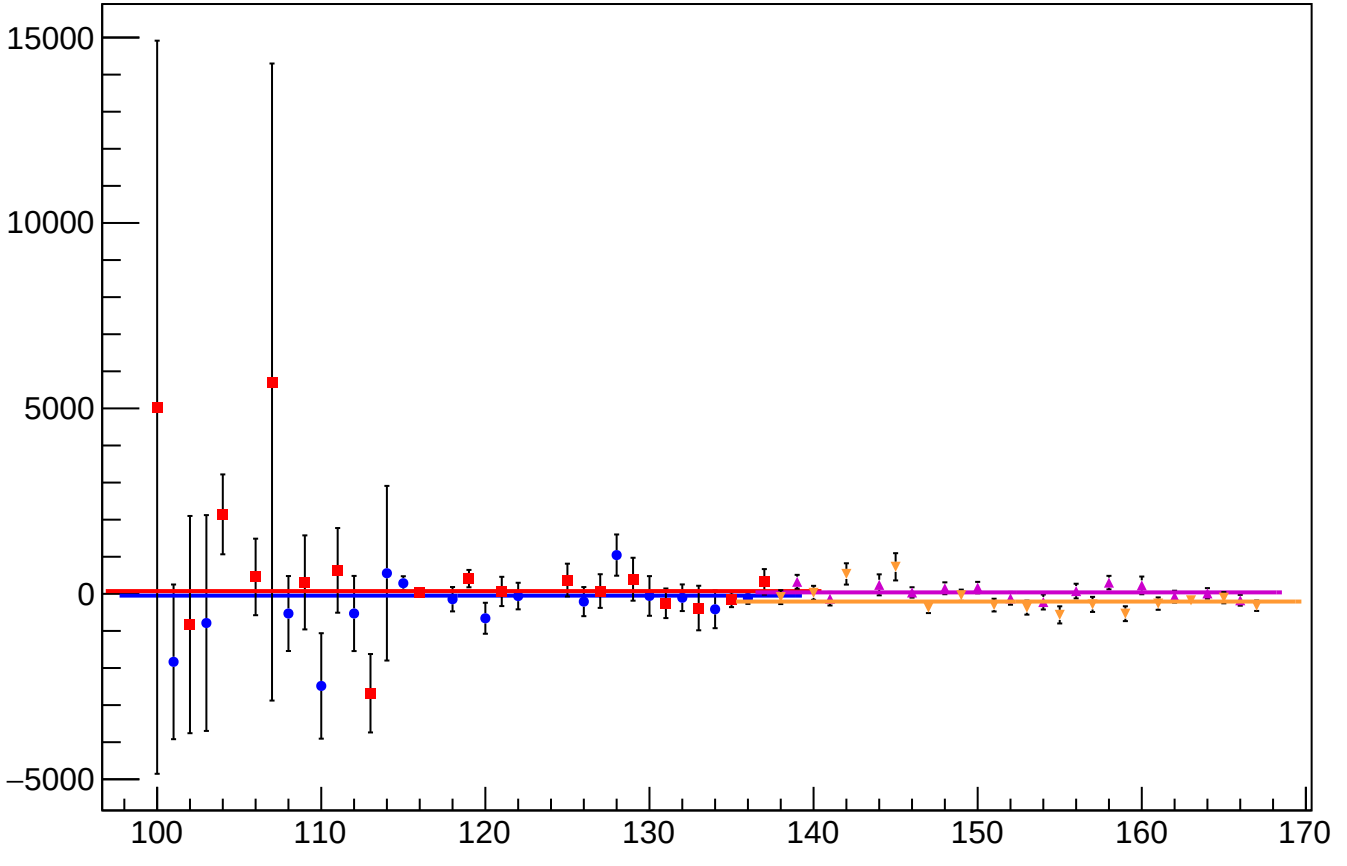
In: -684.126+/-517.400 χ^2/NDF:36.5/29

Out: -606.760+/-512.067 χ^2/NDF:27.6/32

All: -645.042+/-363.957 χ^2/NDF: 64.1/62


reg_asym_us_dd_at1lr_dd_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 2306.643+/-0.617 χ²/NDF: 514150.3/15
Left Out: 2179.803+/-0.448 χ²/NDF:246.2/14
Right Out: 2323.010+/-0.614 χ²/NDF: 151787.1/17
Left In: 2183.365+/-0.454 χ²/NDF:1625.2/13
Left: 2181.560+/-0.319 χ²/NDF: 1902.5/28
Right: 2314.864+/-0.435 χ²/NDF: 666290.7/33
In: 2226.702+/-0.366 χ²/NDF:541657.9/29
Out: 2229.569+/-0.362 χ²/NDF:187502.3/32
All: 2228.150+/-0.257 χ²/NDF: 729191.2/62

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -208.012+/-45.272 χ^2/NDF:25.3/14

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 39.244+/-46.067 χ^2/NDF:12.8/13

Left: -86.537+/-32.289 χ^2/NDF: 52.8/28

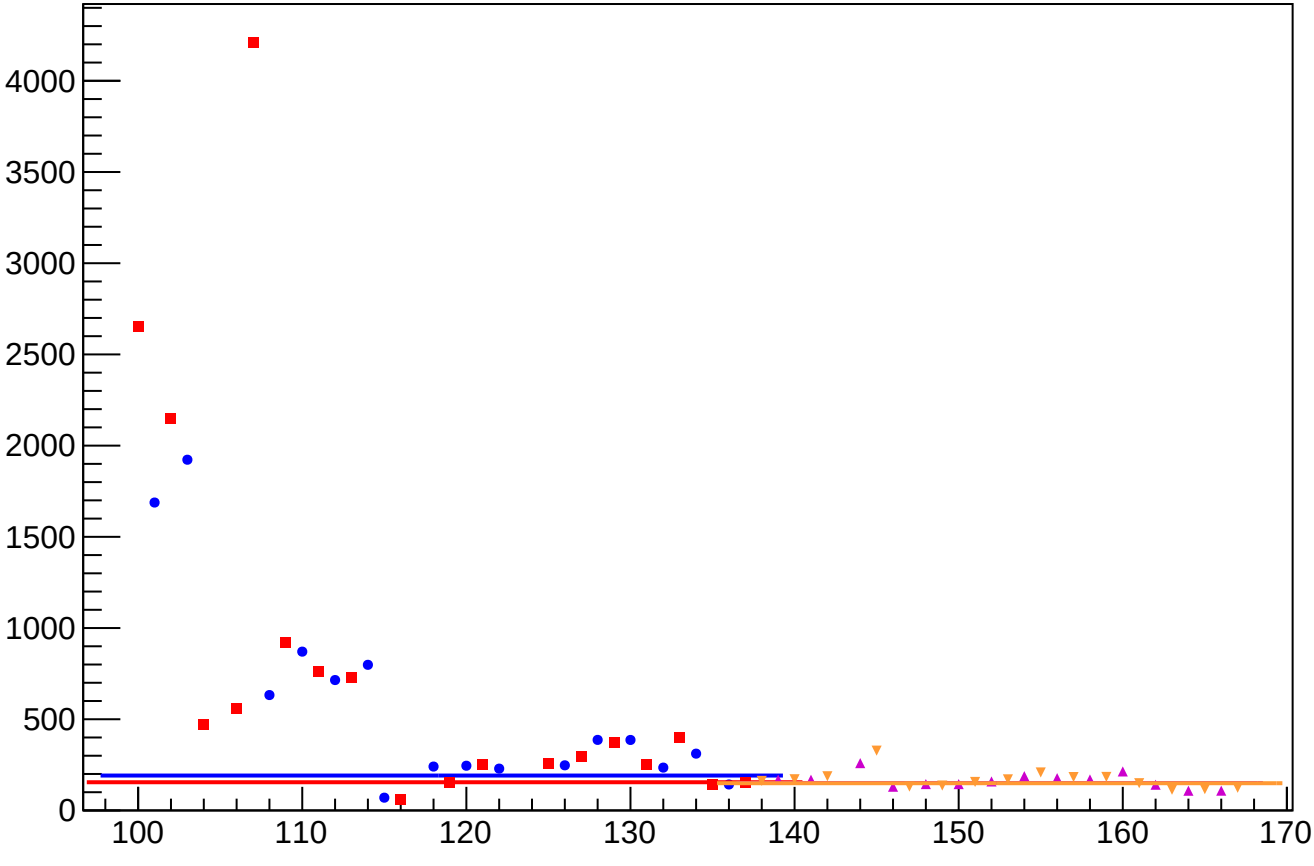
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 21.435+/-41.093 χ^2/NDF:27.9/29

Out: -142.557+/-39.676 χ^2/NDF:51.9/32

All: -63.437+/-28.543 χ^2/NDF: 88.1/62

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 149.356+/-0.032 χ^2/NDF:1177577.7/14

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 150.571+/-0.033 χ^2/NDF:1010094.3/13

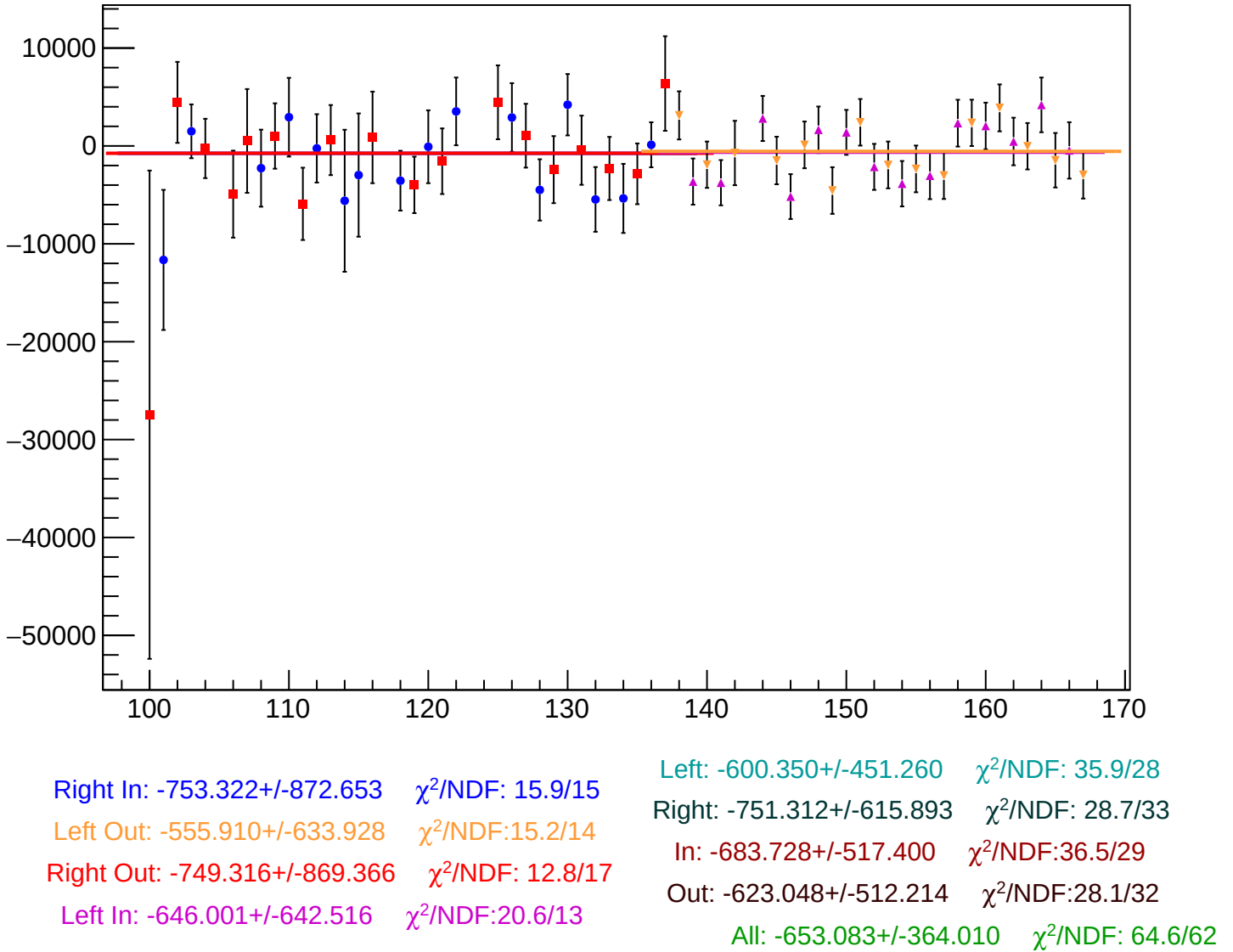
Left: 149.953+/-0.023 χ^2/NDF: 2188380.4/28

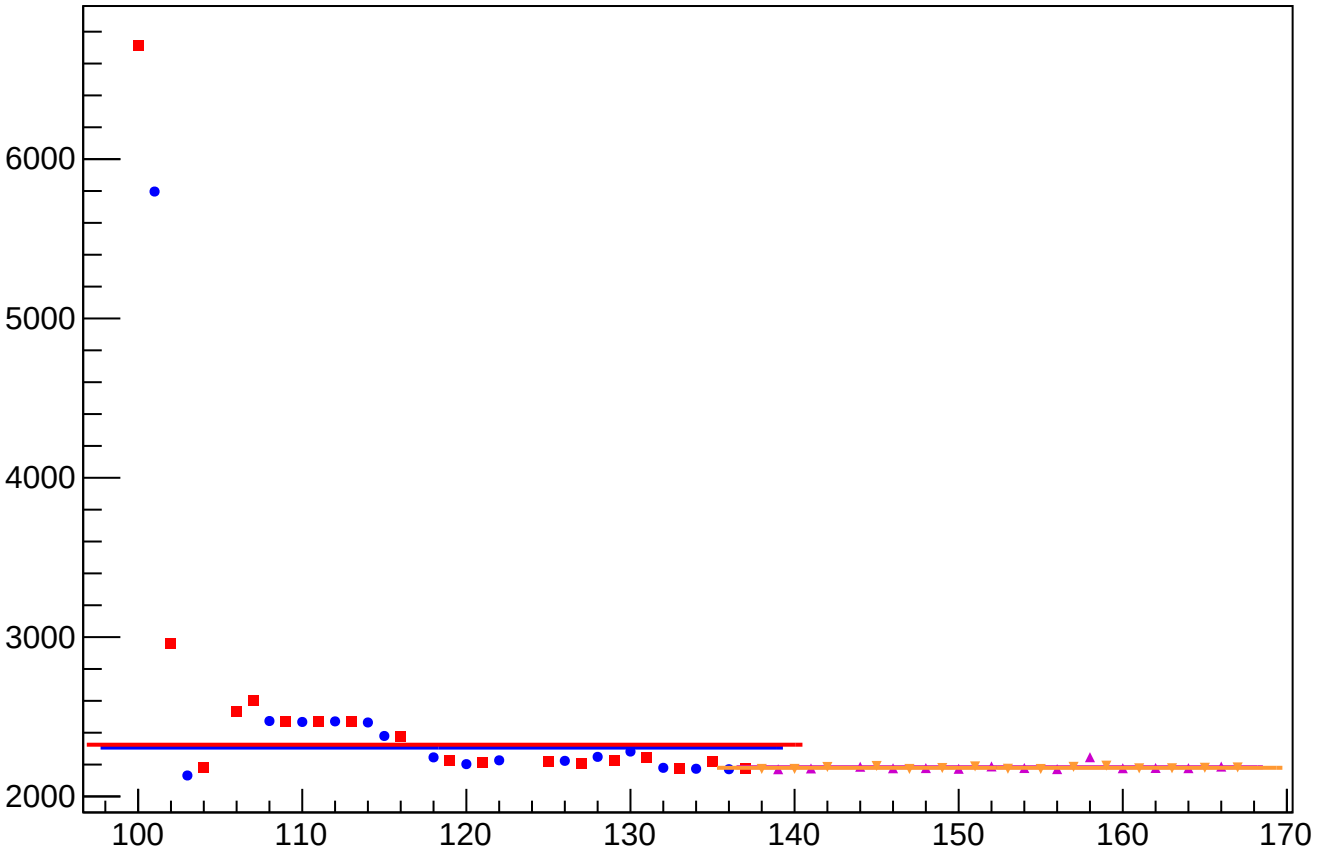
Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 158.909+/-0.029 χ^2/NDF:6395494.0/29

Out: 150.590+/-0.028 χ^2/NDF:7338271.5/32

All: 154.603+/-0.020 χ^2/NDF: 13776184.8/62


cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: -555.910+/-633.928 χ²/NDF:15.2/14
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -646.001+/-642.516 χ²/NDF:20.6/13
Left: -600.350+/-451.260 χ²/NDF: 35.9/28
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -683.728+/-517.400 χ²/NDF:36.5/29
Out: -623.048+/-512.214 χ²/NDF:28.1/32
All: -653.083+/-364.010 χ²/NDF: 64.6/62



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.803+/-0.448 χ^2/NDF:246.2/14

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.365+/-0.454 χ^2/NDF:1625.2/13

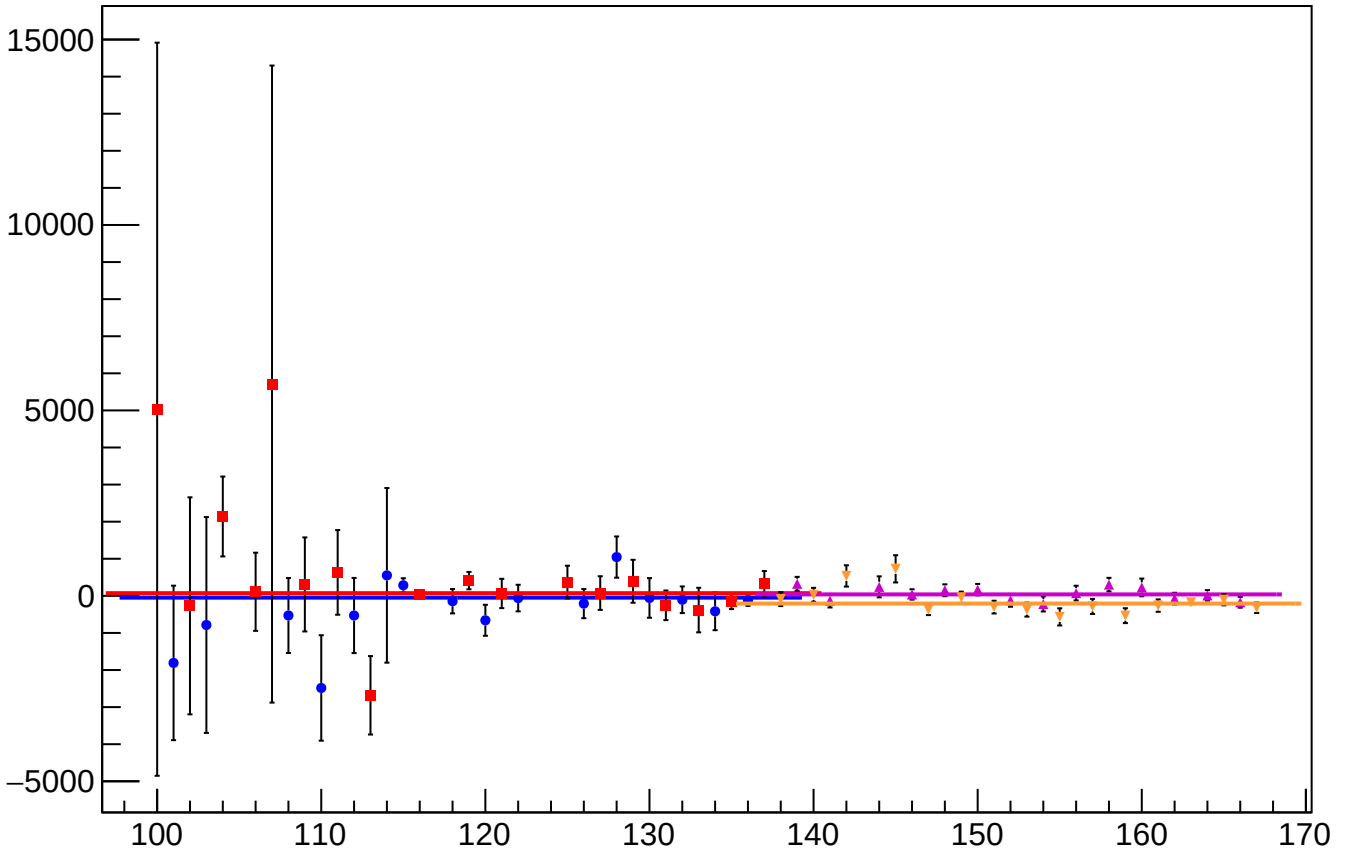
Left: 2181.560+/-0.319 χ^2/NDF: 1902.5/28

Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2226.702+/-0.366 χ^2/NDF:541658.2/29

Out: 2230.097+/-0.362 χ^2/NDF:190088.7/32

All: 2228.416+/-0.257 χ^2/NDF: 731790.4/62



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -208.036+/-45.272 χ^2/NDF:25.2/14

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 39.169+/-46.070 χ^2/NDF:12.8/13

Left: -86.592+/-32.291 χ^2/NDF: 52.7/28

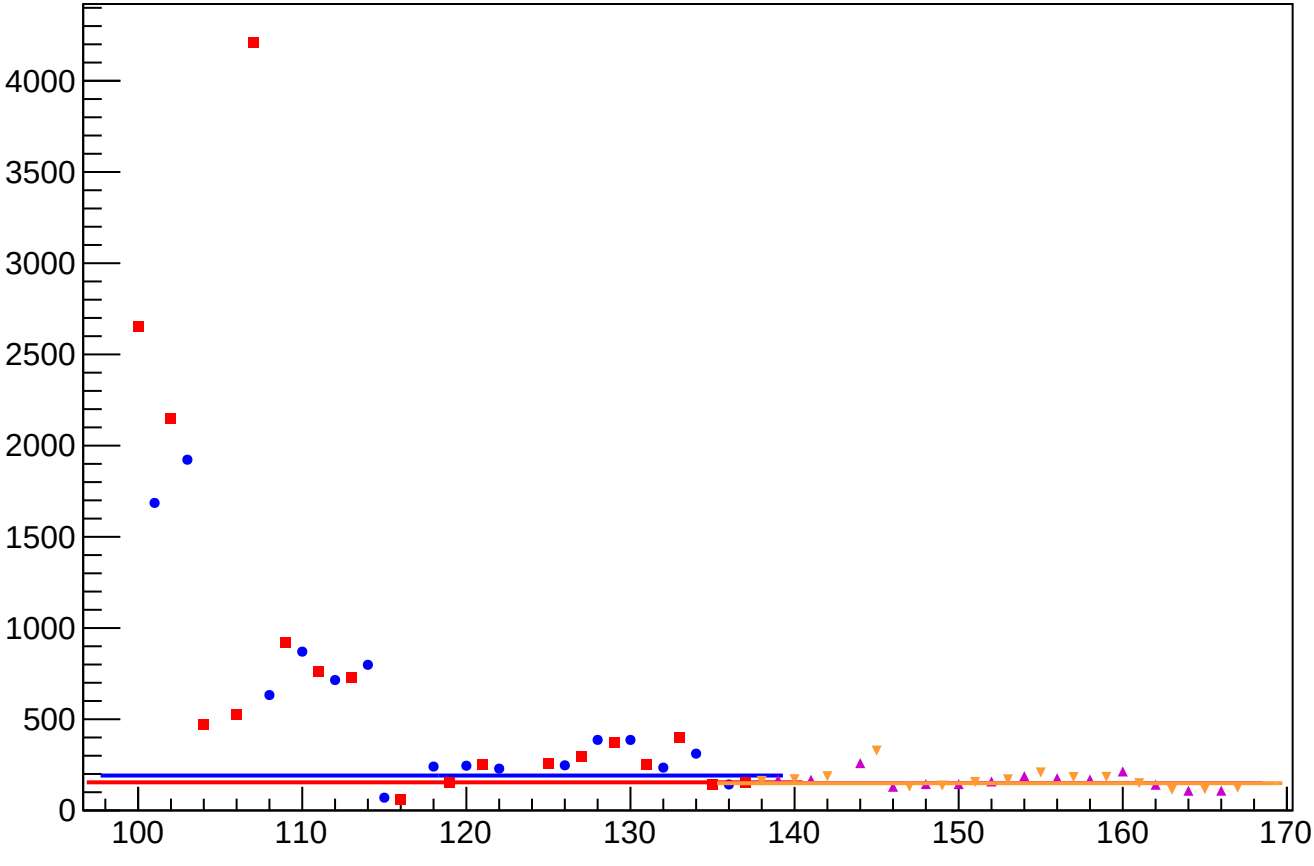
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.369+/-41.095 χ^2/NDF:27.9/29

Out: -142.964+/-39.669 χ^2/NDF:51.5/32

All: -63.699+/-28.541 χ^2/NDF: 87.7/62

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 149.356+/-0.032 χ^2/NDF:1177842.9/14

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 150.581+/-0.033 χ^2/NDF:1010458.5/13

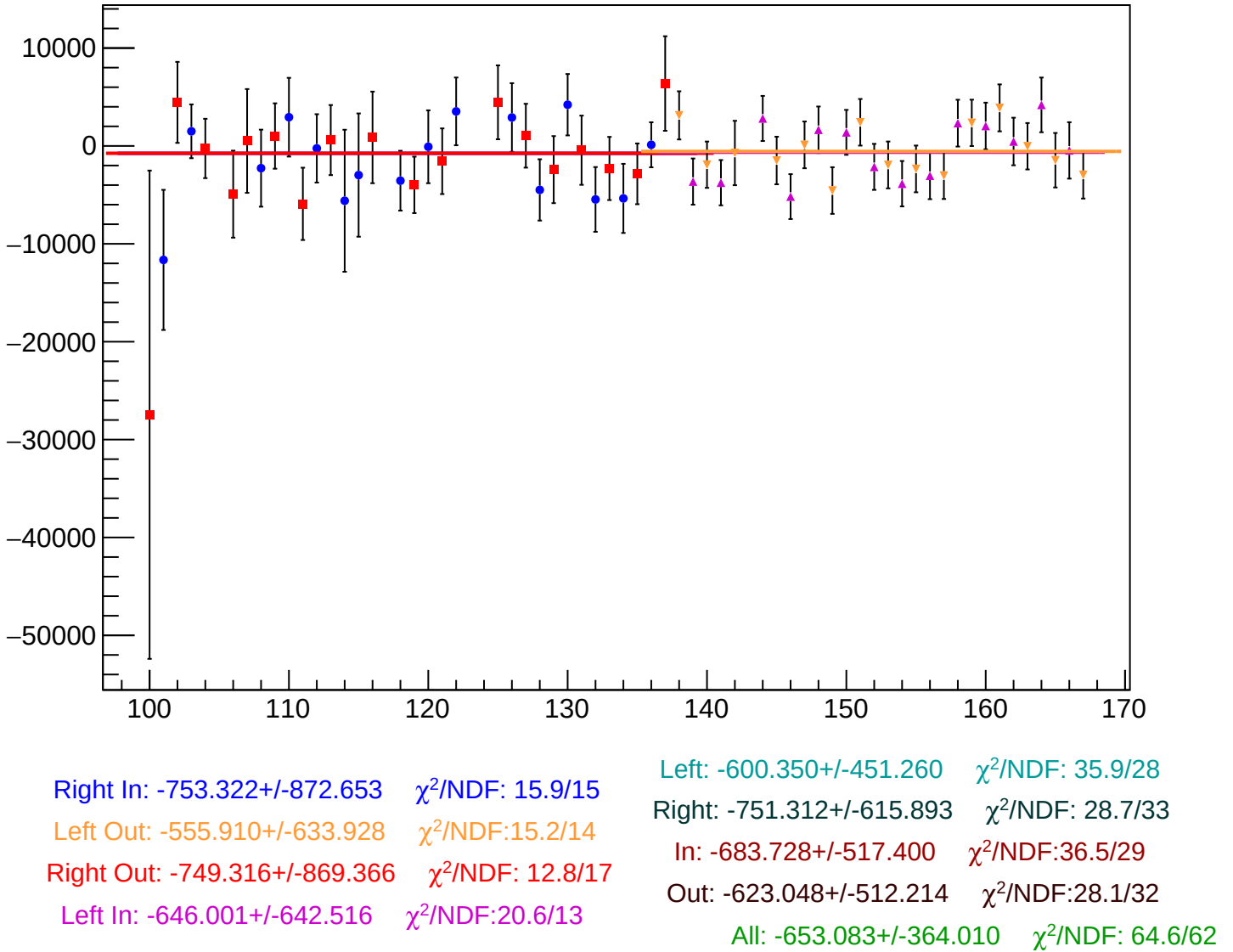
Left: 149.958+/-0.023 χ^2/NDF: 2189021.3/28

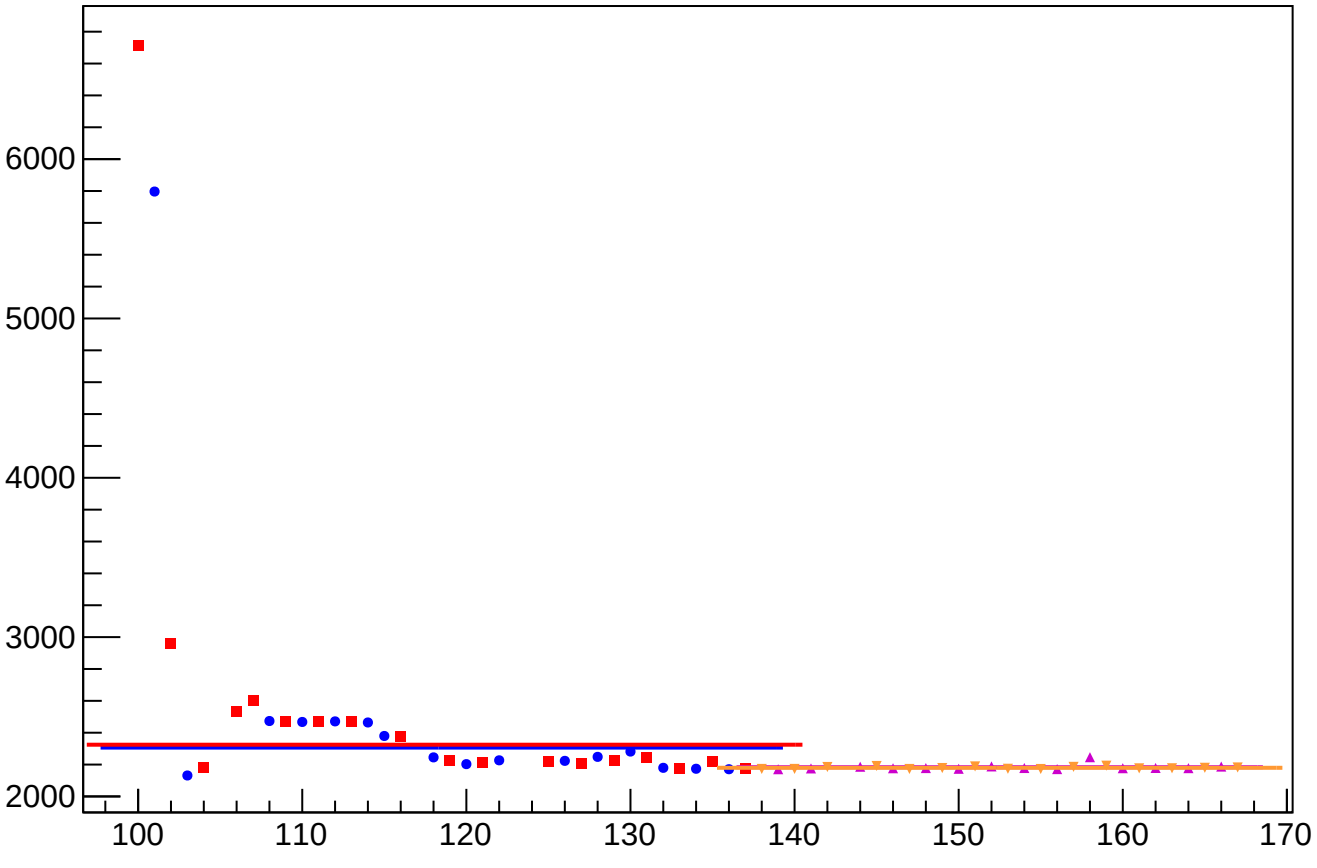
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 158.921+/-0.029 χ^2/NDF:6394903.0/29

Out: 150.462+/-0.028 χ^2/NDF:7291653.5/32

All: 154.543+/-0.020 χ^2/NDF: 13730423.7/62


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: -555.910+/-633.928 χ²/NDF:15.2/14
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -646.001+/-642.516 χ²/NDF:20.6/13
Left: -600.350+/-451.260 χ²/NDF: 35.9/28
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -683.728+/-517.400 χ²/NDF:36.5/29
Out: -623.048+/-512.214 χ²/NDF:28.1/32
All: -653.083+/-364.010 χ²/NDF: 64.6/62



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.803+/-0.448 χ^2/NDF:246.2/14

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.365+/-0.454 χ^2/NDF:1625.2/13

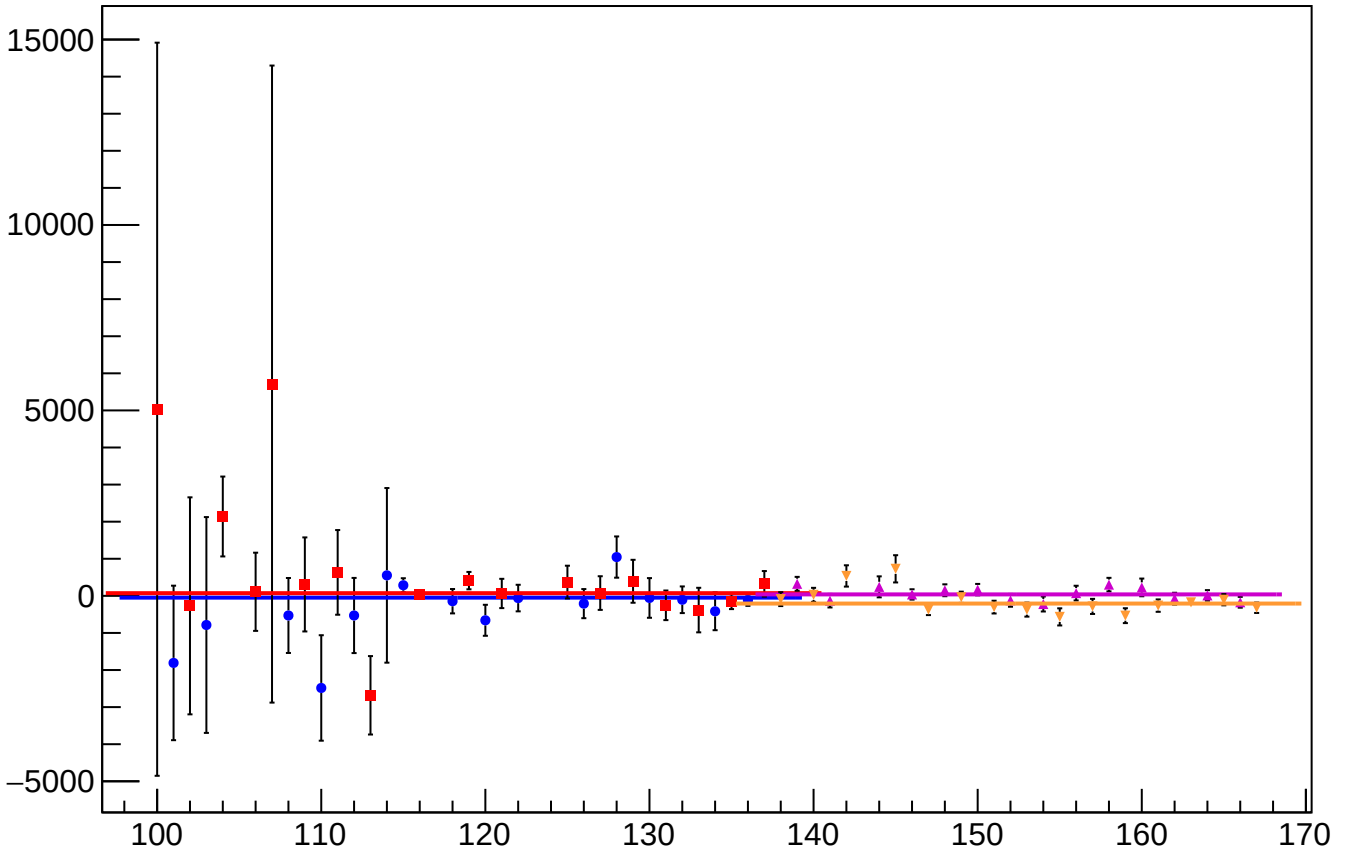
Left: 2181.560+/-0.319 χ^2/NDF: 1902.5/28

Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2226.702+/-0.366 χ^2/NDF:541658.2/29

Out: 2230.097+/-0.362 χ^2/NDF:190088.7/32

All: 2228.416+/-0.257 χ^2/NDF: 731790.4/62



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -208.036+/-45.272 χ^2/NDF:25.2/14

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 39.169+/-46.070 χ^2/NDF:12.8/13

Left: -86.592+/-32.291 χ^2/NDF: 52.7/28

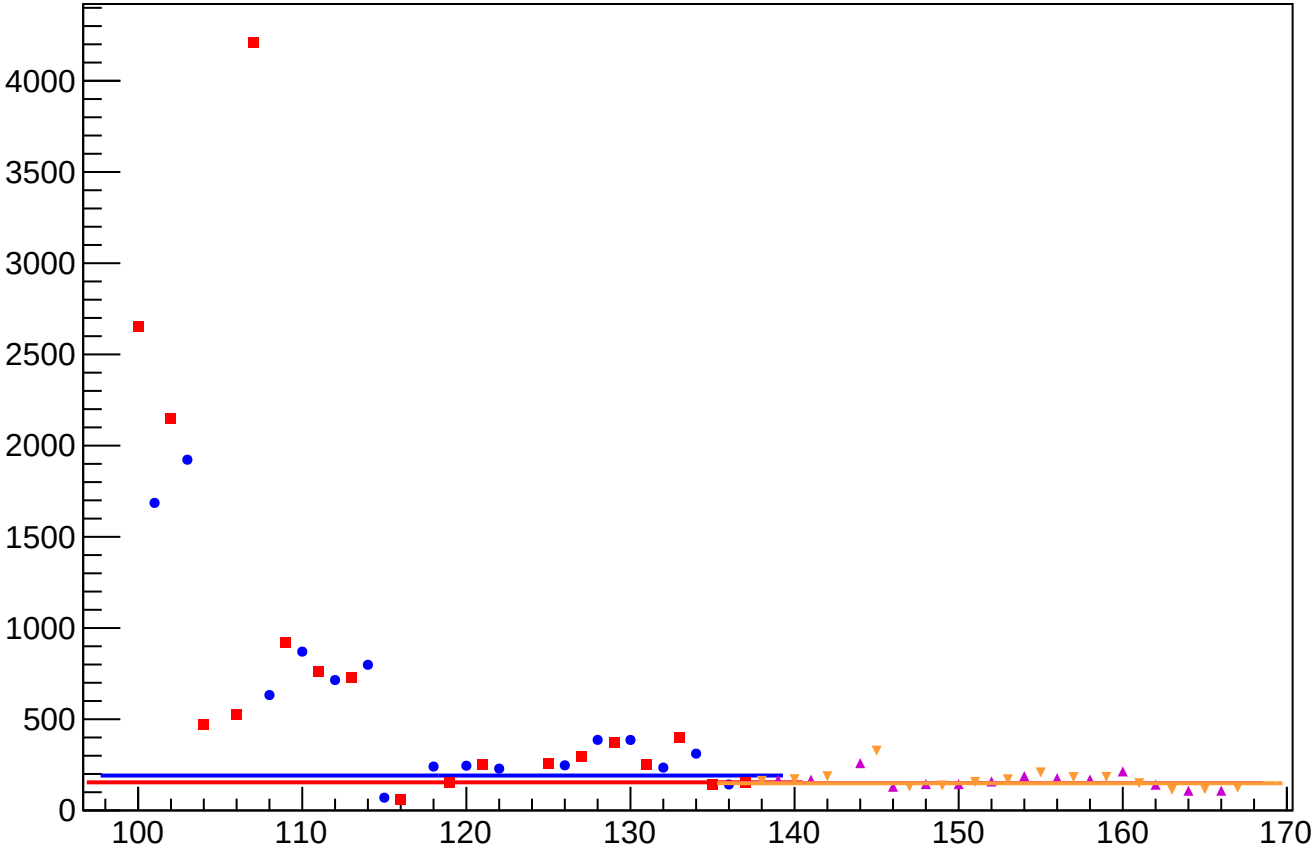
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.369+/-41.095 χ^2/NDF:27.9/29

Out: -142.964+/-39.669 χ^2/NDF:51.5/32

All: -63.699+/-28.541 χ^2/NDF: 87.7/62

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 149.356+/-0.032 χ^2/NDF:1177842.9/14

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 150.581+/-0.033 χ^2/NDF:1010458.5/13

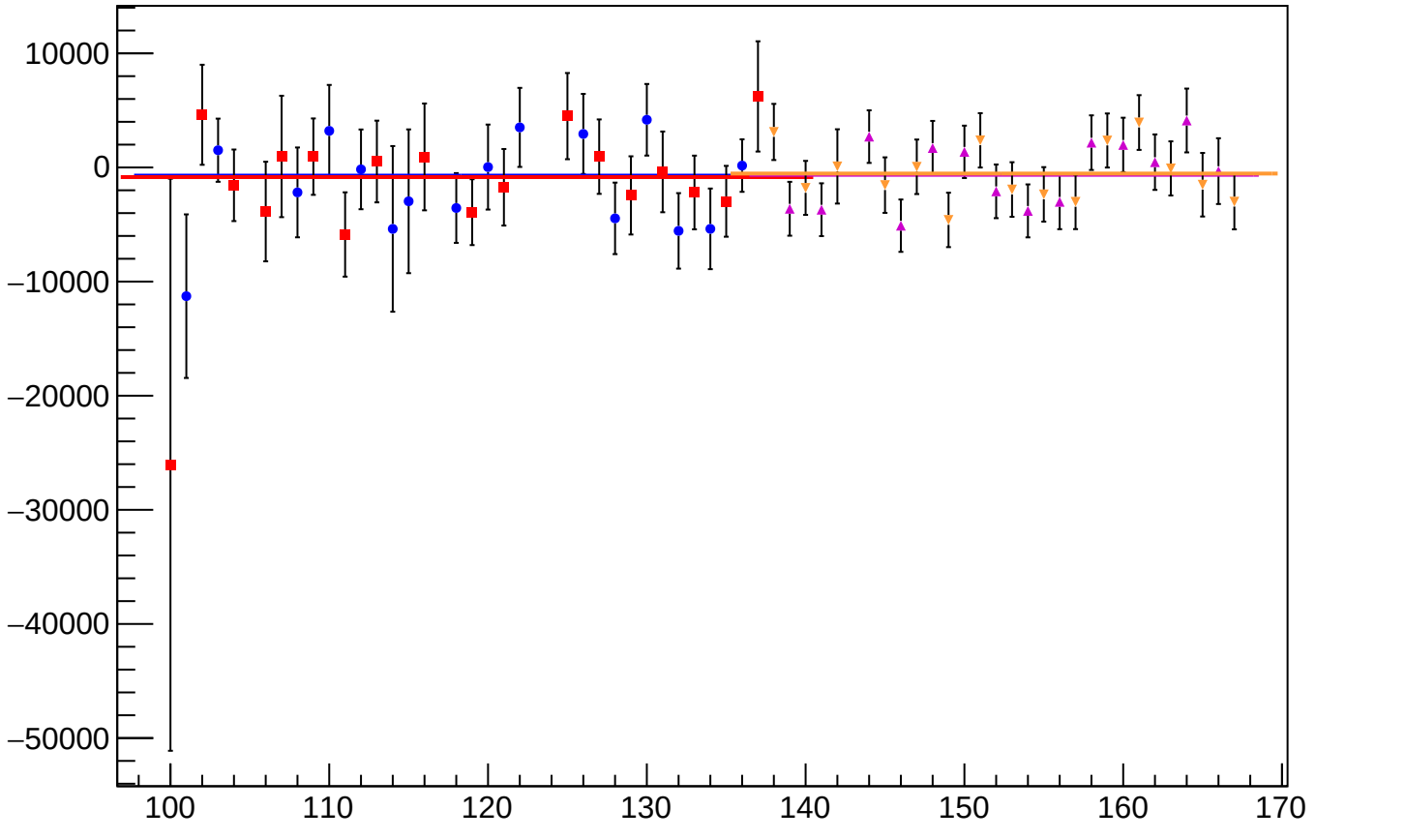
Left: 149.958+/-0.023 χ^2/NDF: 2189021.3/28

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 158.921+/-0.029 χ^2/NDF:6394903.0/29

Out: 150.462+/-0.028 χ^2/NDF:7291653.5/32

All: 154.543+/-0.020 χ^2/NDF: 13730423.7/62



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -534.891+/-633.887 χ^2/NDF:15.3/14

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -642.795+/-642.748 χ^2/NDF:19.9/13

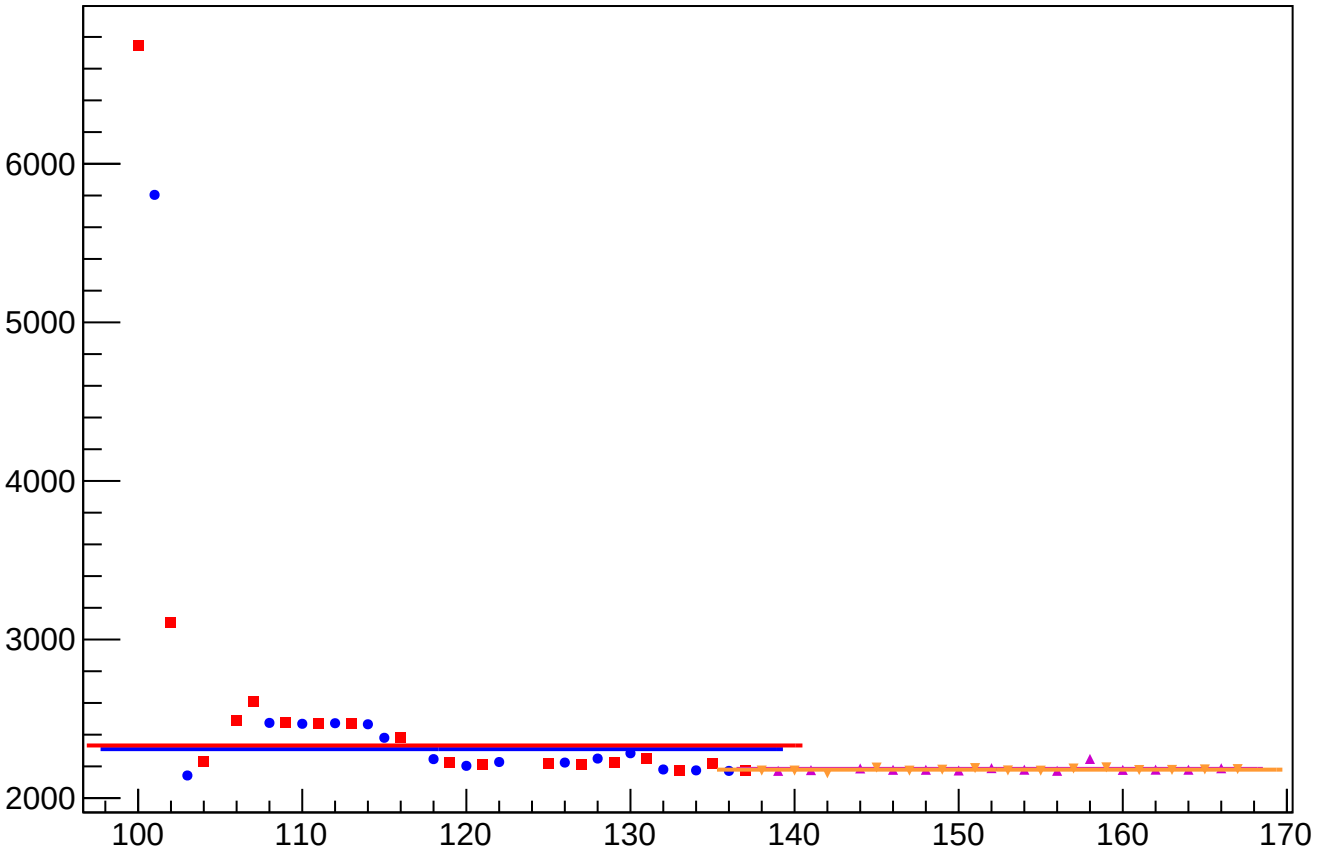
Left: -588.094+/-451.326 χ^2/NDF: 35.2/28

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -668.906+/-517.706 χ^2/NDF:35.7/29

Out: -640.871+/-513.051 χ^2/NDF:27.6/32

All: -654.762+/-364.417 χ^2/NDF: 63.3/62



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.442+/-0.448 χ^2/NDF:349.0/14

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2184.155+/-0.454 χ^2/NDF:1617.1/13

Left: 2181.766+/-0.319 χ^2/NDF: 2020.6/28

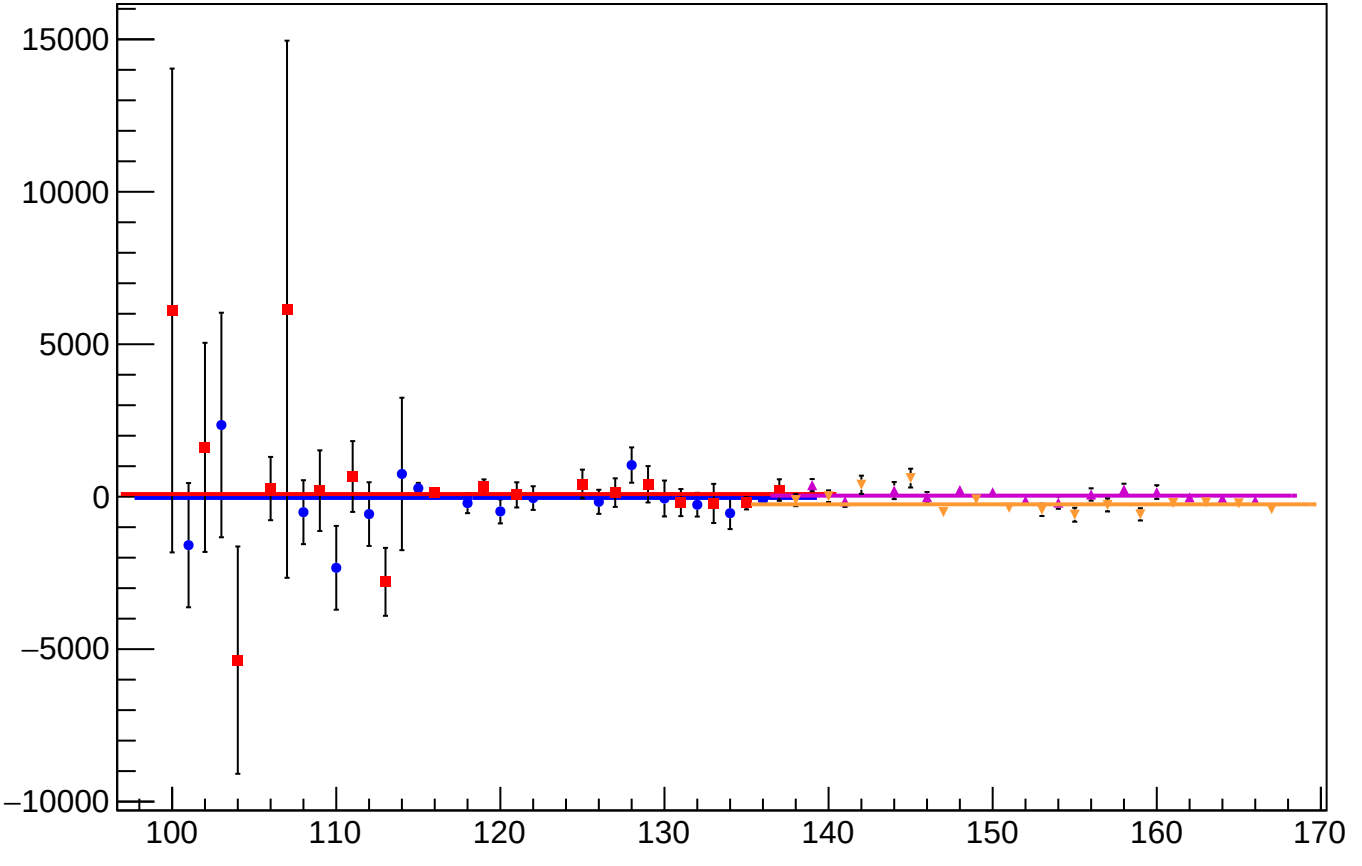
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2227.914+/-0.366 χ^2/NDF:541751.7/29

Out: 2232.010+/-0.363 χ^2/NDF:207548.4/32

All: 2229.980+/-0.258 χ^2/NDF: 749363.2/62

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -250.511+/-45.322 χ^2/NDF:26.4/14

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 34.071+/-46.752 χ^2/NDF:11.7/13

Left: -112.638+/-32.541 χ^2/NDF: 57.2/28

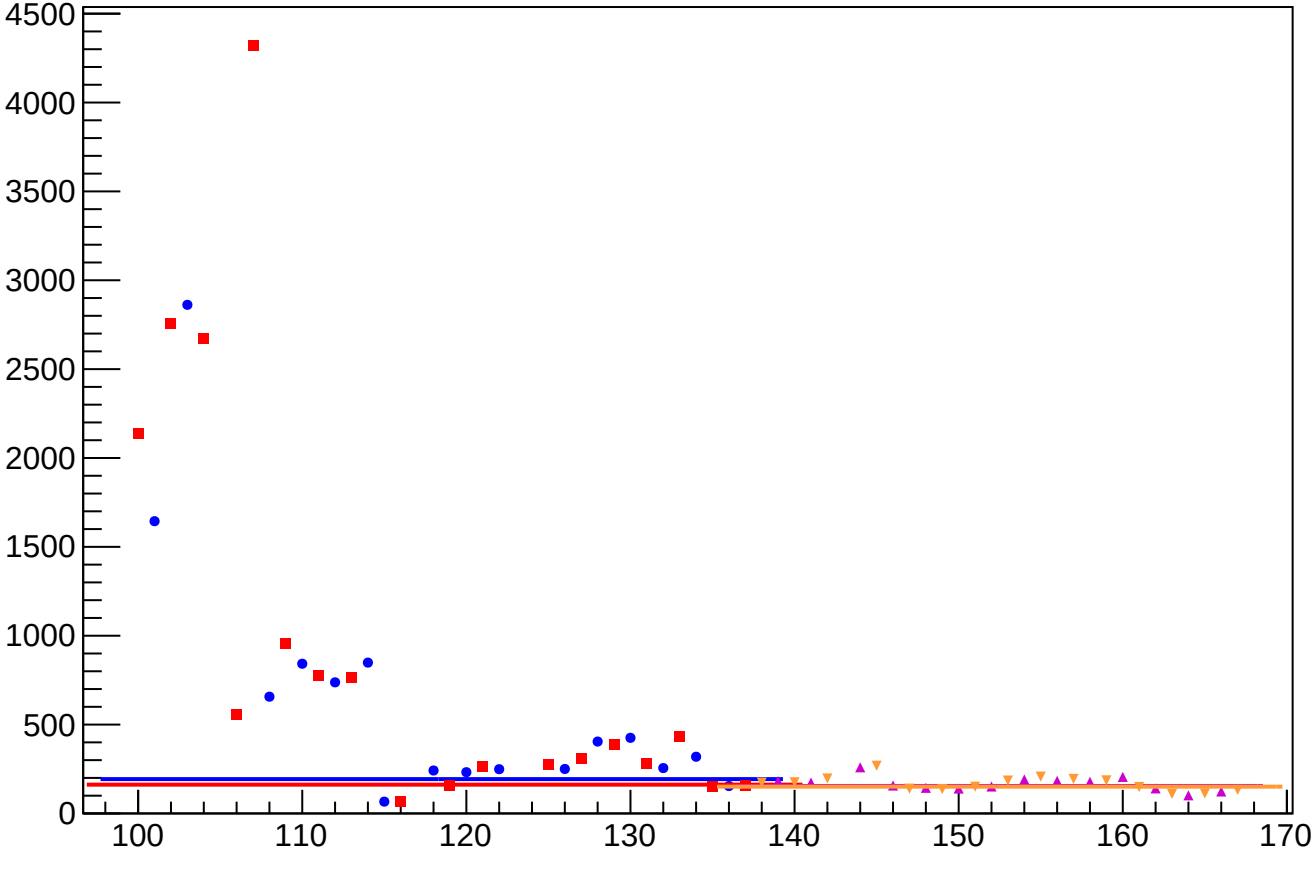
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 18.951+/-41.717 χ^2/NDF:26.3/29

Out: -177.400+/-40.104 χ^2/NDF:53.4/32

All: -83.094+/-28.911 χ^2/NDF: 91.2/62

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 150.908+/-0.032 χ^2/NDF:1153159.7/14

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 154.608+/-0.033 χ^2/NDF:1014106.0/13

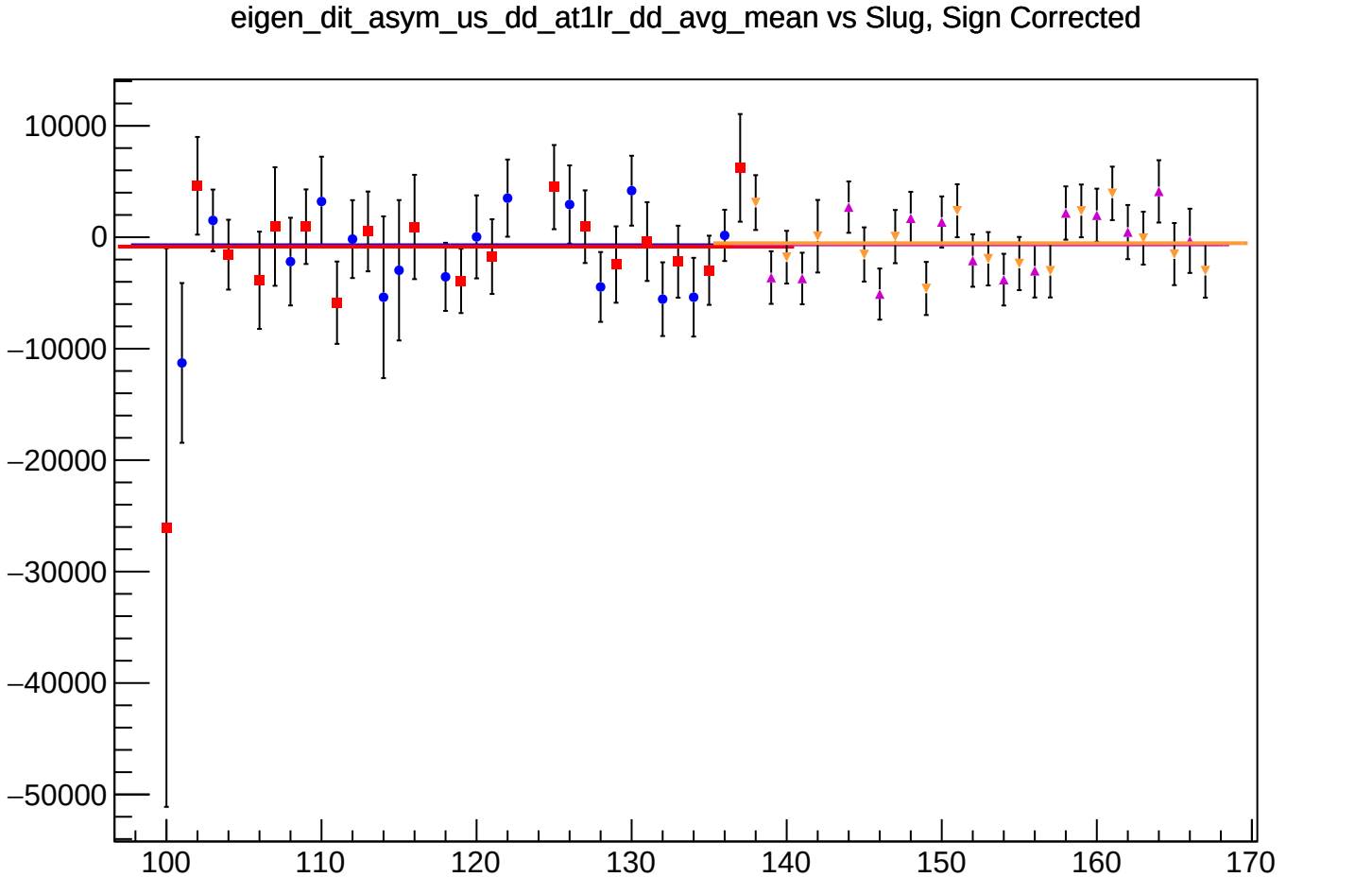
Left: 152.701+/-0.023 χ^2/NDF: 2173723.9/28

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 162.484+/-0.029 χ^2/NDF:6910476.9/29

Out: 153.340+/-0.028 χ^2/NDF:8250183.0/32

All: 157.732+/-0.020 χ^2/NDF: 15210602.0/62



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -534.893+/-633.887 χ^2/NDF:15.3/14

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -642.794+/-642.748 χ^2/NDF:19.9/13

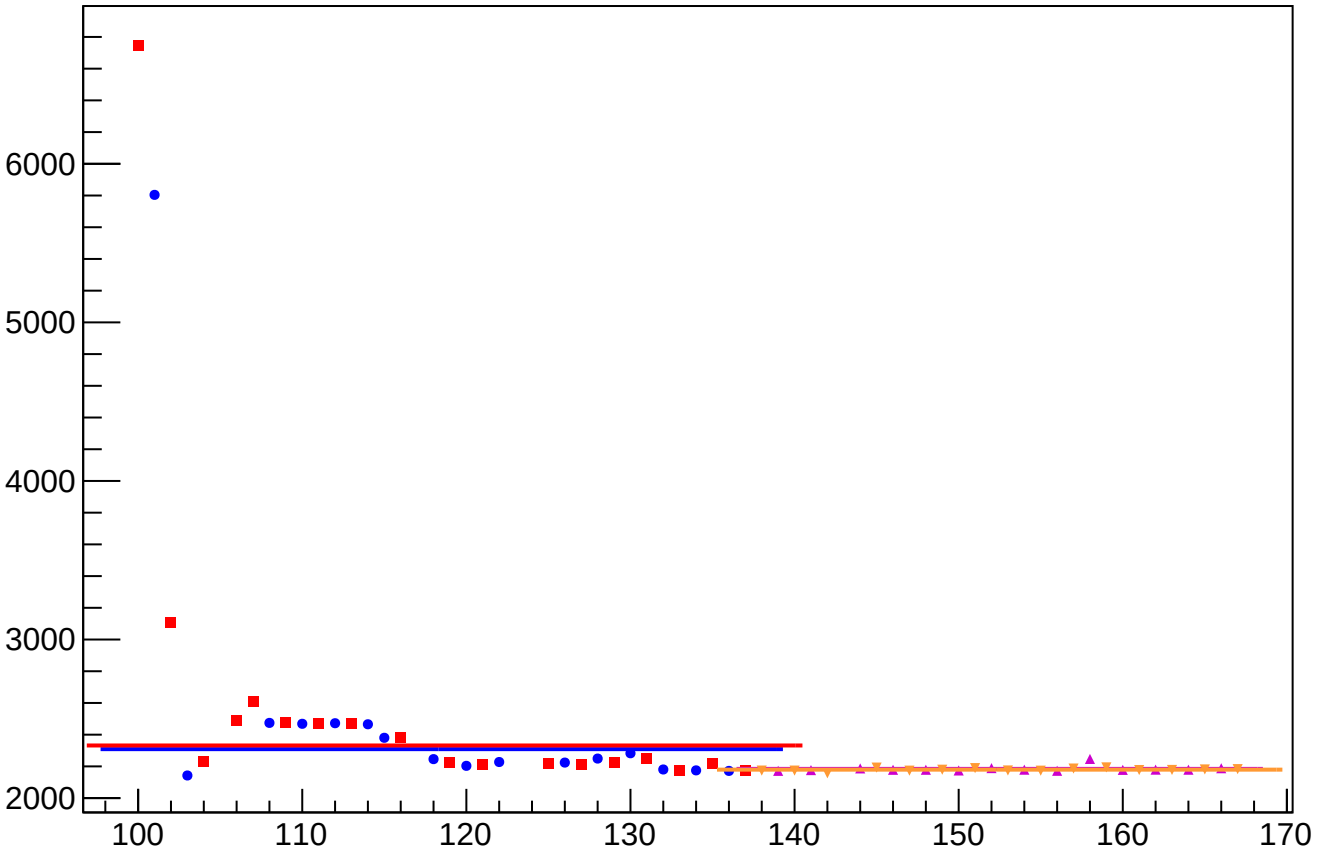
Left: -588.094+/-451.326 χ^2/NDF: 35.2/28

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -668.906+/-517.706 χ^2/NDF:35.7/29

Out: -640.873+/-513.051 χ^2/NDF:27.6/32

All: -654.763+/-364.417 χ^2/NDF: 63.3/62



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.442+/-0.448 χ^2/NDF:349.0/14

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2184.155+/-0.454 χ^2/NDF:1617.1/13

Left: 2181.766+/-0.319 χ^2/NDF: 2020.6/28

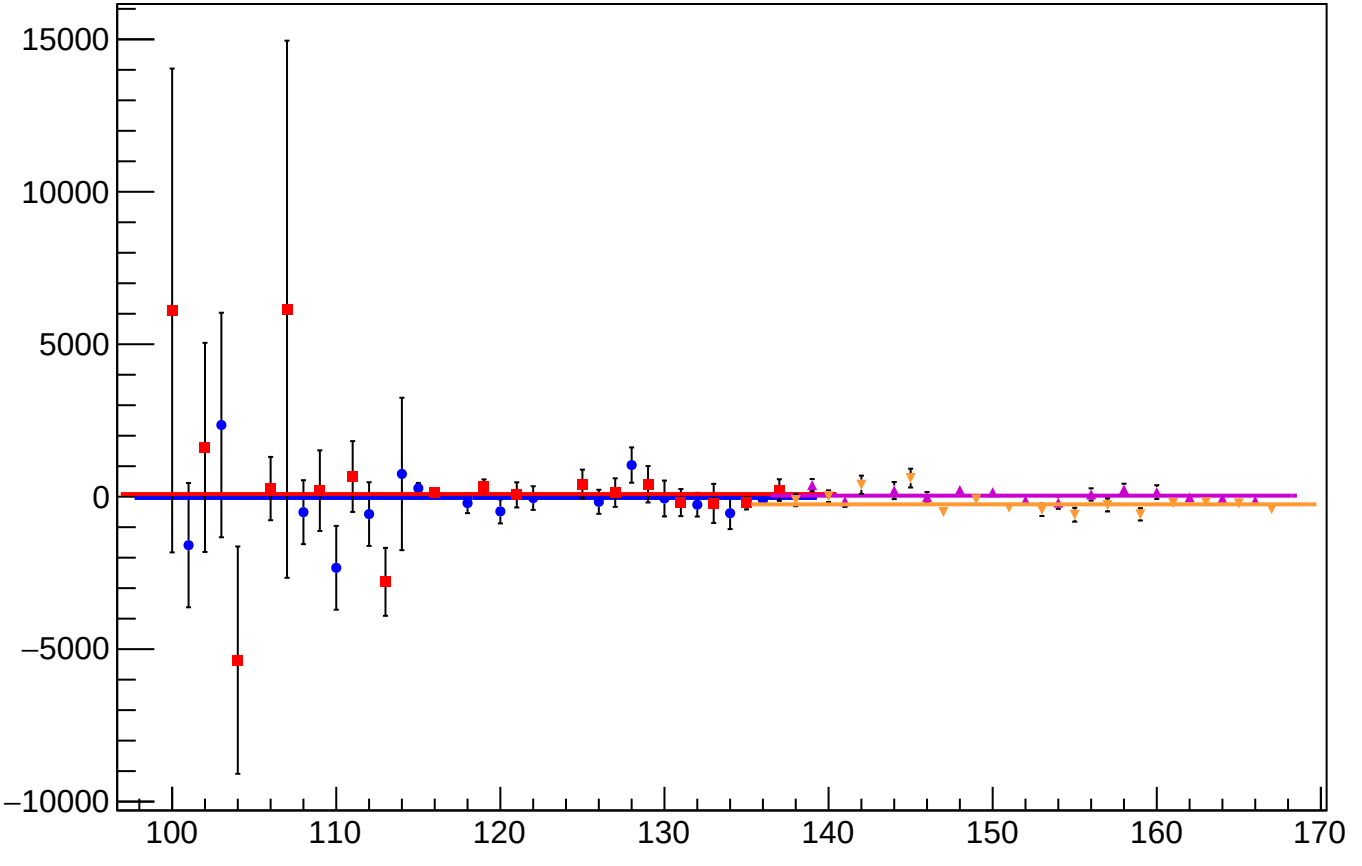
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2227.914+/-0.366 χ^2/NDF:541751.7/29

Out: 2232.009+/-0.363 χ^2/NDF:207548.3/32

All: 2229.980+/-0.258 χ^2/NDF: 749363.1/62

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -250.511+/-45.322 χ^2/NDF:26.4/14

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 34.069+/-46.752 χ^2/NDF:11.7/13

Left: -112.639+/-32.541 χ^2/NDF: 57.2/28

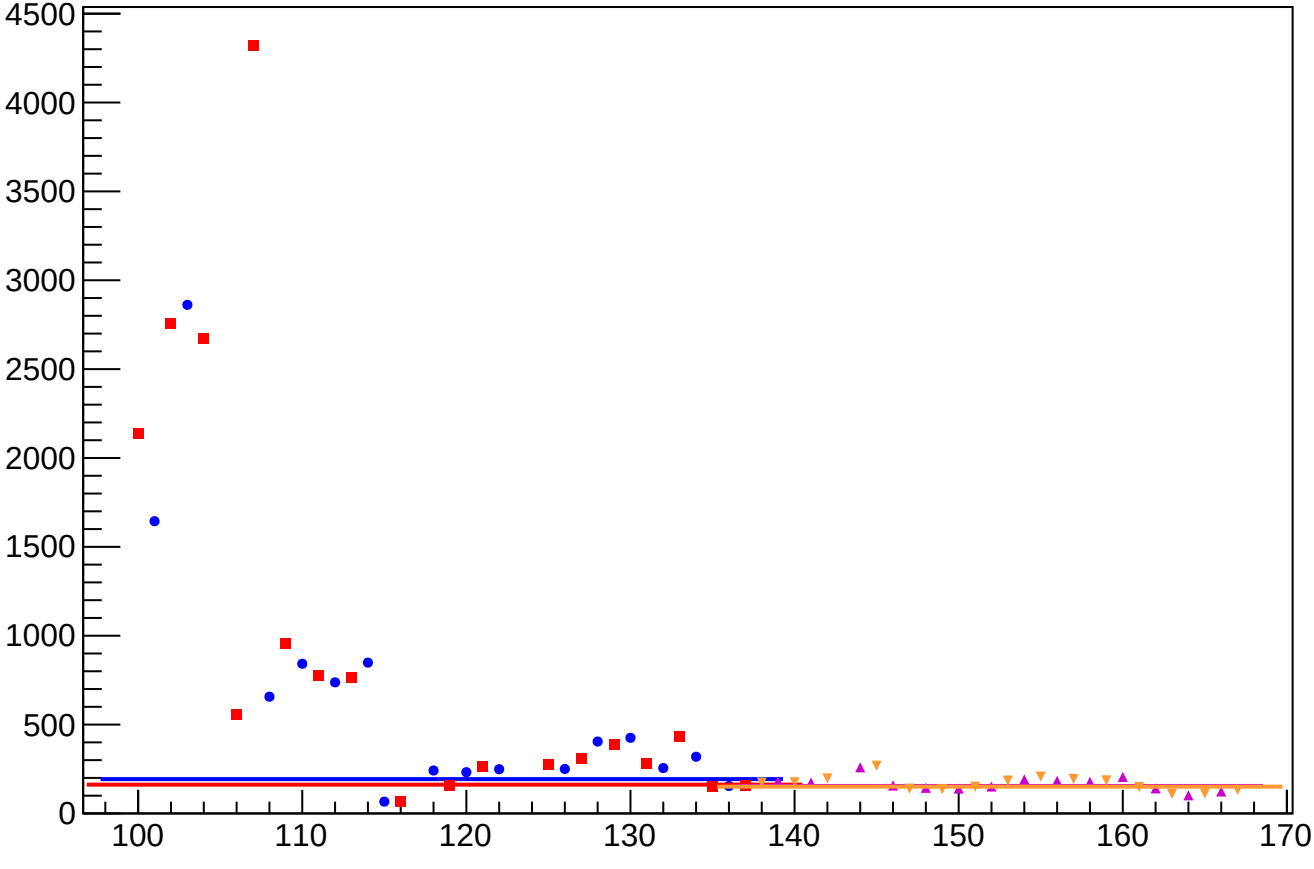
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 18.950+/-41.717 χ^2/NDF:26.3/29

Out: -177.399+/-40.104 χ^2/NDF:53.4/32

All: -83.094+/-28.911 χ^2/NDF: 91.2/62

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 150.908+/-0.032 χ^2/NDF:1153197.7/14

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 154.608+/-0.033 χ^2/NDF:1014148.1/13

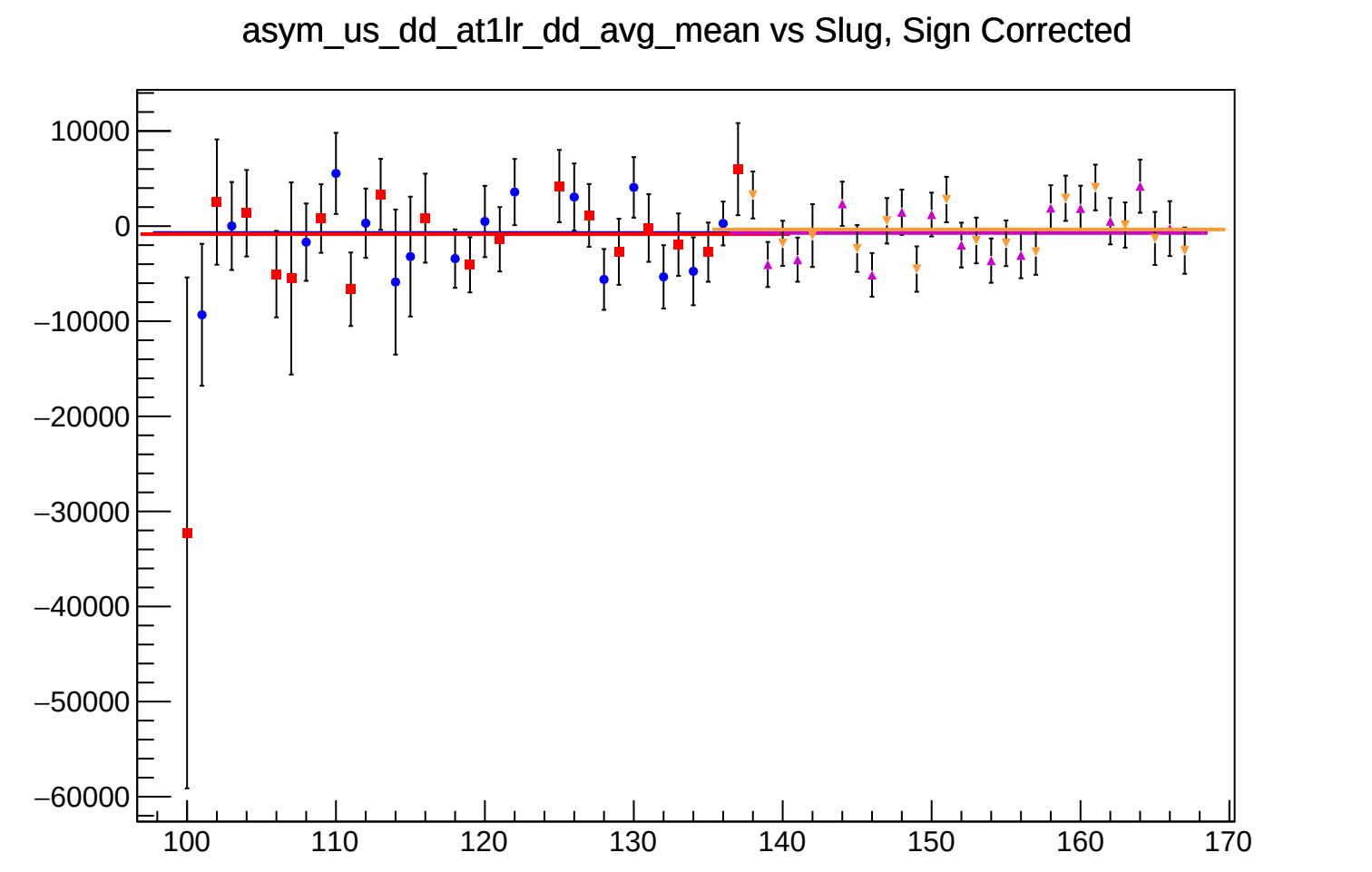
Left: 152.700+/-0.023 χ^2/NDF: 2173804.3/28

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 162.484+/-0.029 χ^2/NDF:6910529.3/29

Out: 153.339+/-0.028 χ^2/NDF:8250270.7/32

All: 157.731+/-0.020 χ^2/NDF: 15210744.5/62



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -353.588+/-636.254 χ^2/NDF:16.0/14

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -720.860+/-644.814 χ^2/NDF:18.9/13

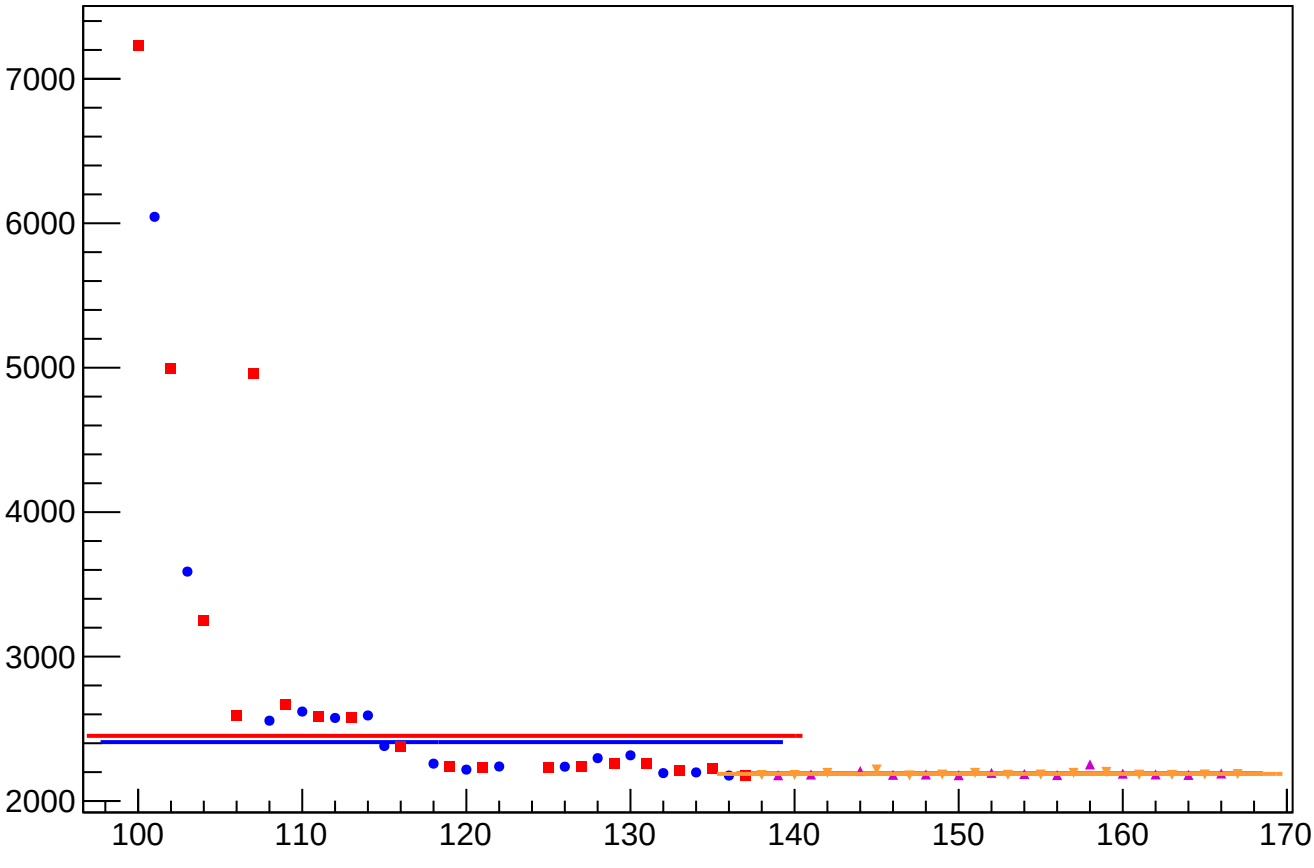
Left: -534.770+/-452.896 χ^2/NDF: 35.1/28

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -720.431+/-527.317 χ^2/NDF:34.7/29

Out: -510.500+/-524.888 χ^2/NDF:29.1/32

All: -614.981+/-372.007 χ^2/NDF: 64.0/62



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.790+/-0.450 χ^2/NDF:552.7/14

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2191.168+/-0.456 χ^2/NDF:1732.7/13

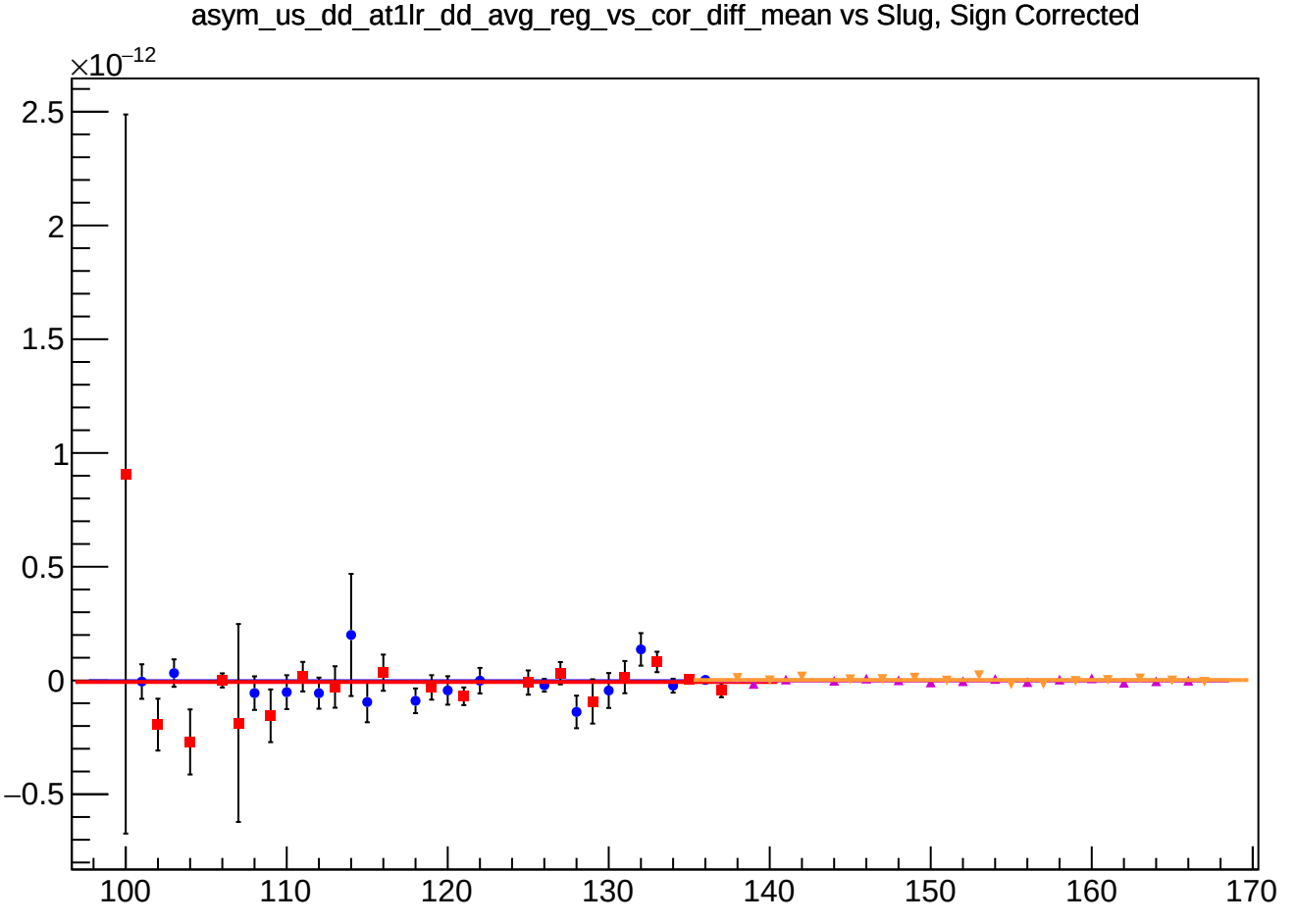
Left: 2189.456+/-0.320 χ^2/NDF: 2313.2/28

Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2262.922+/-0.373 χ^2/NDF:753393.0/29

Out: 2271.929+/-0.371 χ^2/NDF:743643.5/32

All: 2267.446+/-0.263 χ^2/NDF: 1497329.6/62



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:11.1/13

Left: 0.000+/-0.000 χ^2/NDF: 26.8/28

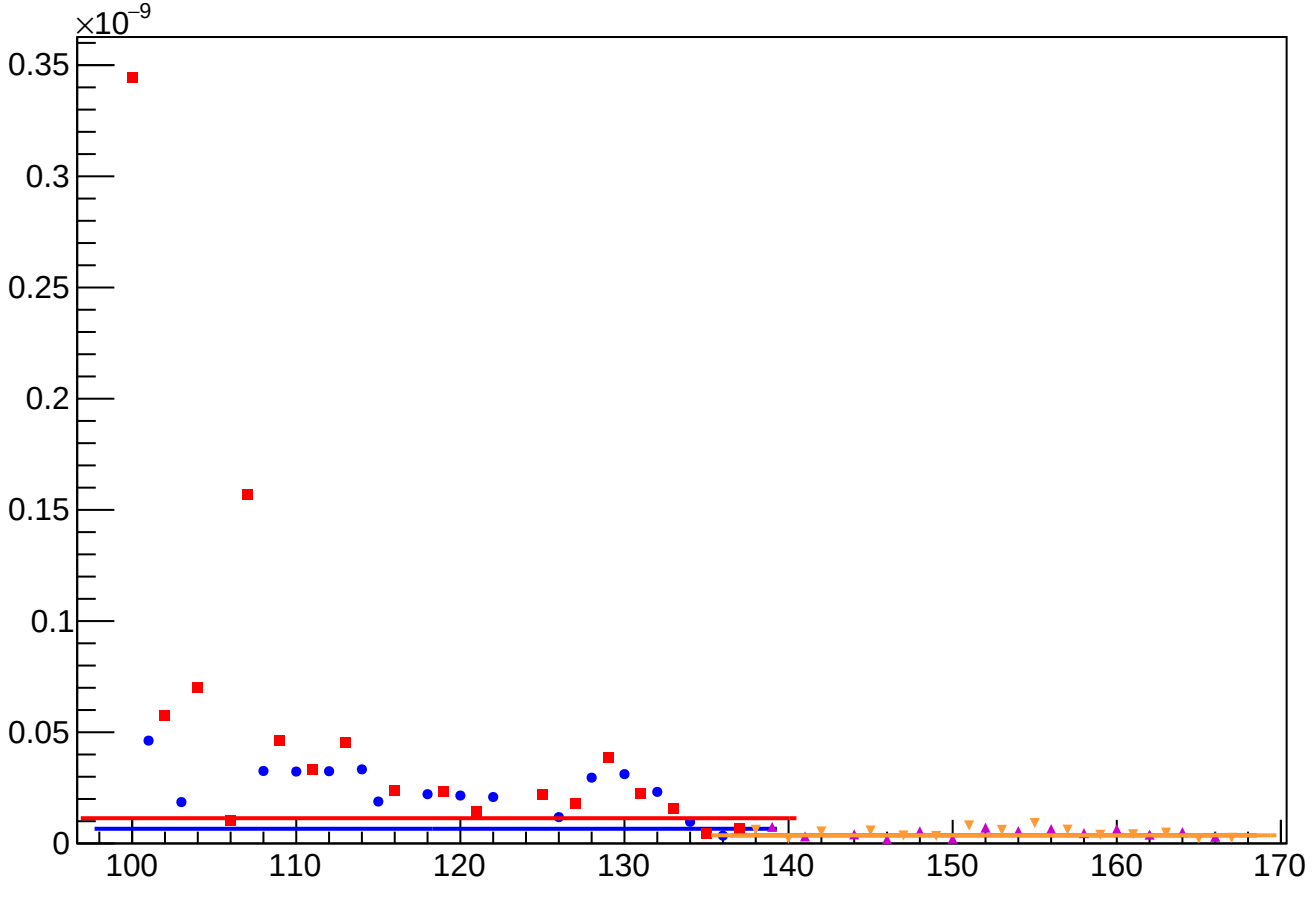
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:26.9/29

Out: 0.000+/-0.000 χ^2/NDF:34.6/32

All: 0.000+/-0.000 χ^2/NDF: 62.2/62

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1411890.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1206777.6/13

Left: 0.000+/-0.000 χ^2/NDF: 2618701.1/28

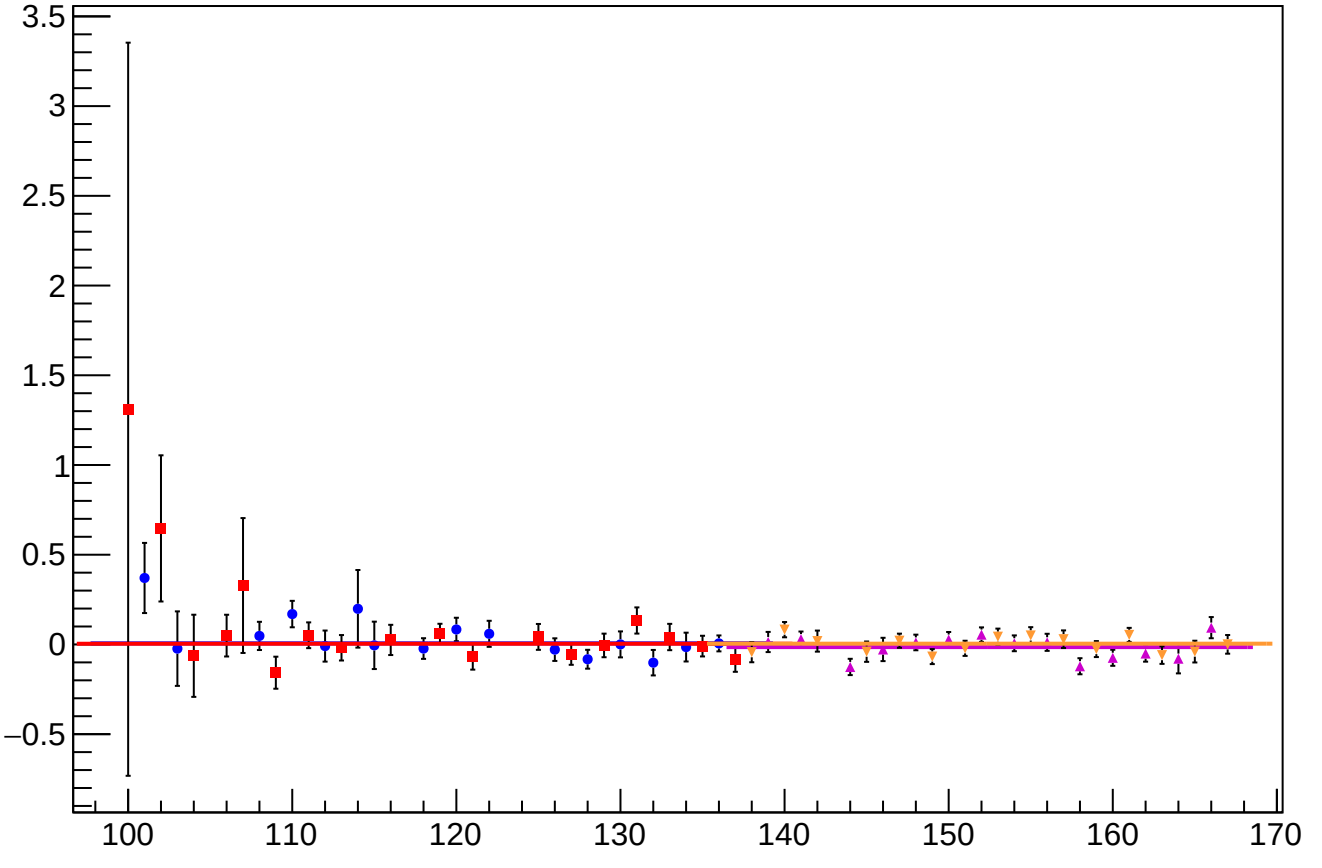
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4461926.4/29

Out: 0.000+/-0.000 χ^2/NDF:5303848.6/32

All: 0.000+/-0.000 χ^2/NDF: 9765838.9/62

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/14

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.013 χ^2/NDF:24.2/13

Left: -0.005+/-0.009 χ^2/NDF: 39.9/28

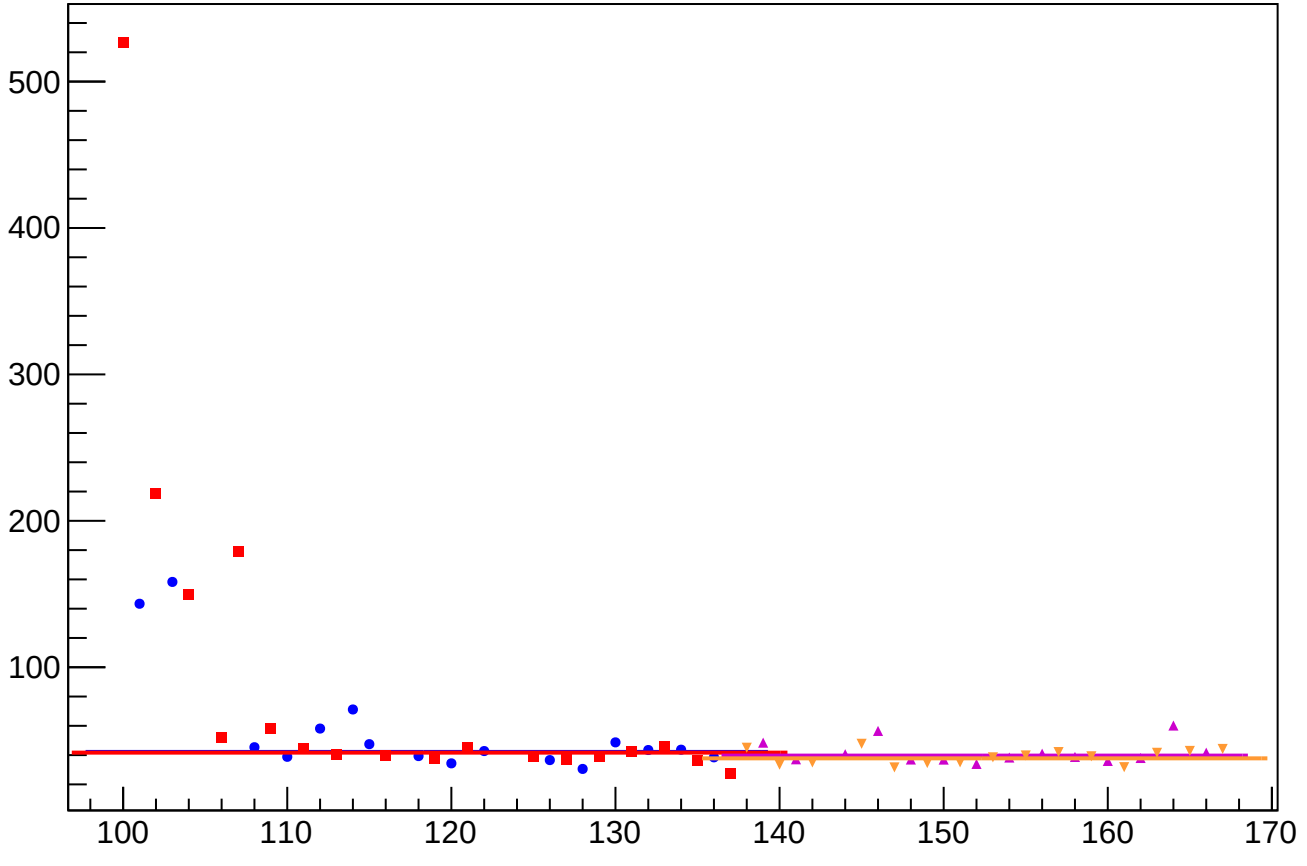
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.010 χ^2/NDF:42.3/29

Out: 0.004+/-0.010 χ^2/NDF:30.8/32

All: -0.002+/-0.007 χ^2/NDF: 73.8/62

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.783+/-0.009 χ^2/NDF:315003.5/14

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.653+/-0.009 χ^2/NDF:394705.9/13

Left: 38.669+/-0.006 χ^2/NDF: 732385.5/28

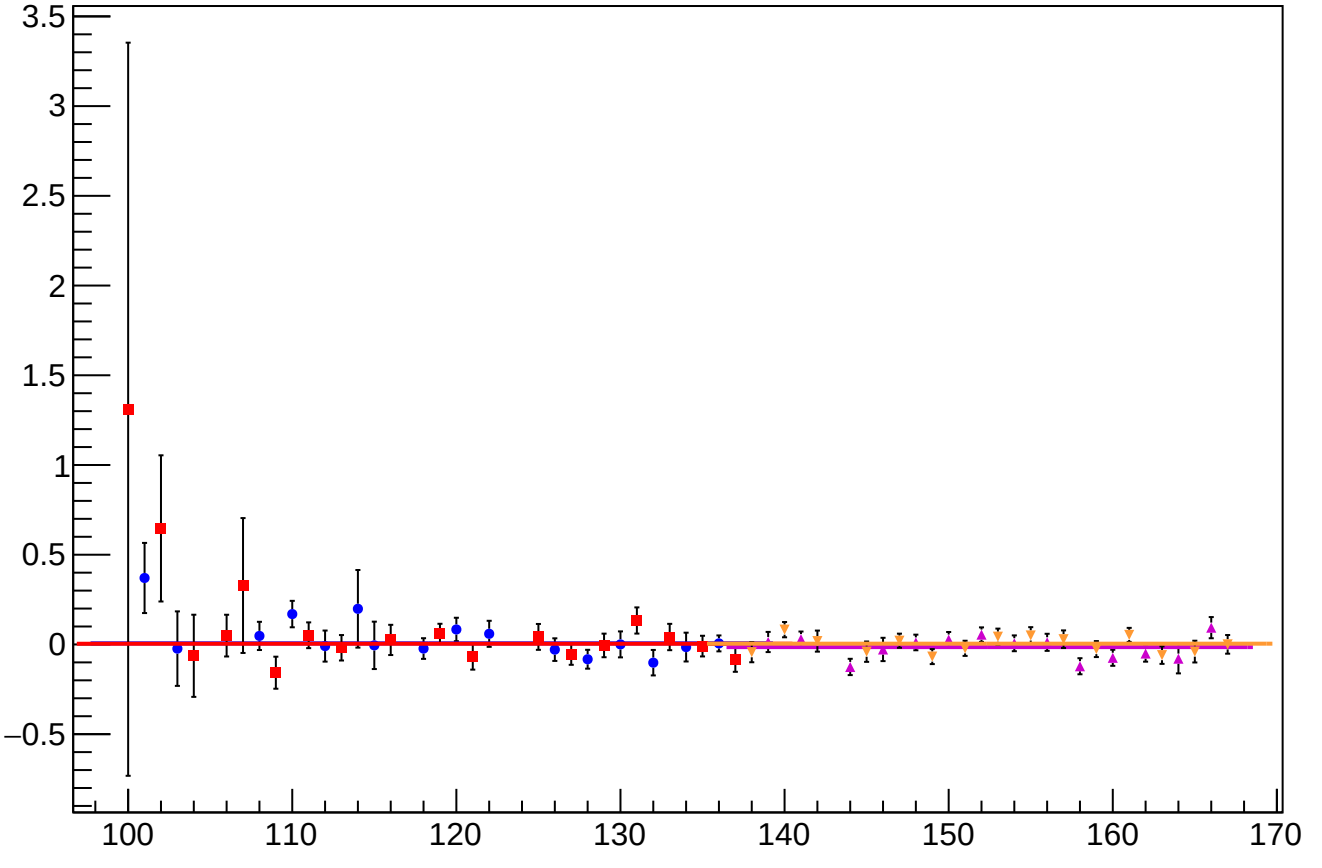
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.475+/-0.007 χ^2/NDF:1874563.4/29

Out: 38.945+/-0.007 χ^2/NDF:1818356.8/32

All: 39.687+/-0.005 χ^2/NDF: 3715015.4/62

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/14

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.013 χ^2/NDF:24.2/13

Left: -0.005+/-0.009 χ^2/NDF: 39.9/28

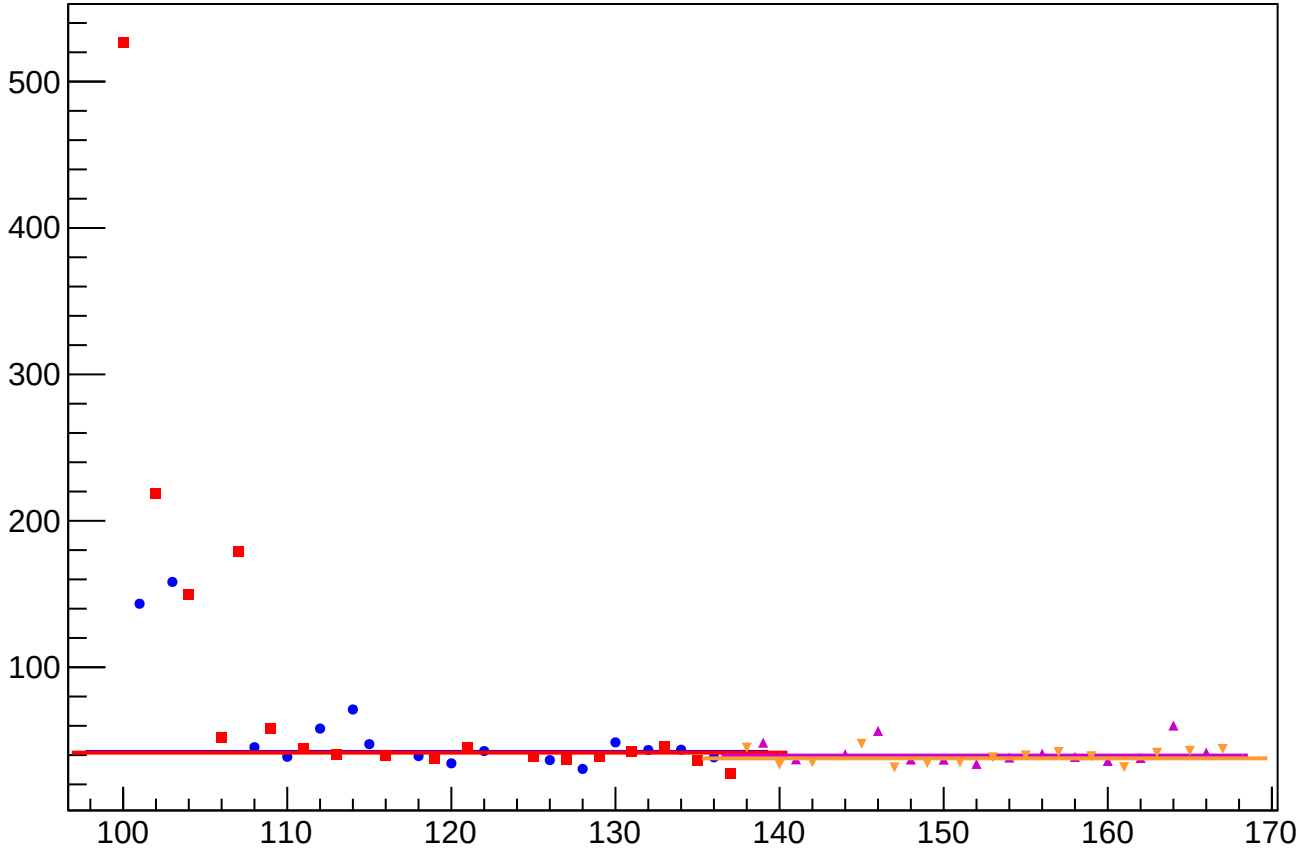
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.010 χ^2/NDF:42.3/29

Out: 0.004+/-0.010 χ^2/NDF:30.8/32

All: -0.002+/-0.007 χ^2/NDF: 73.8/62

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.783+/-0.009 χ^2/NDF:315003.5/14

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.653+/-0.009 χ^2/NDF:394705.9/13

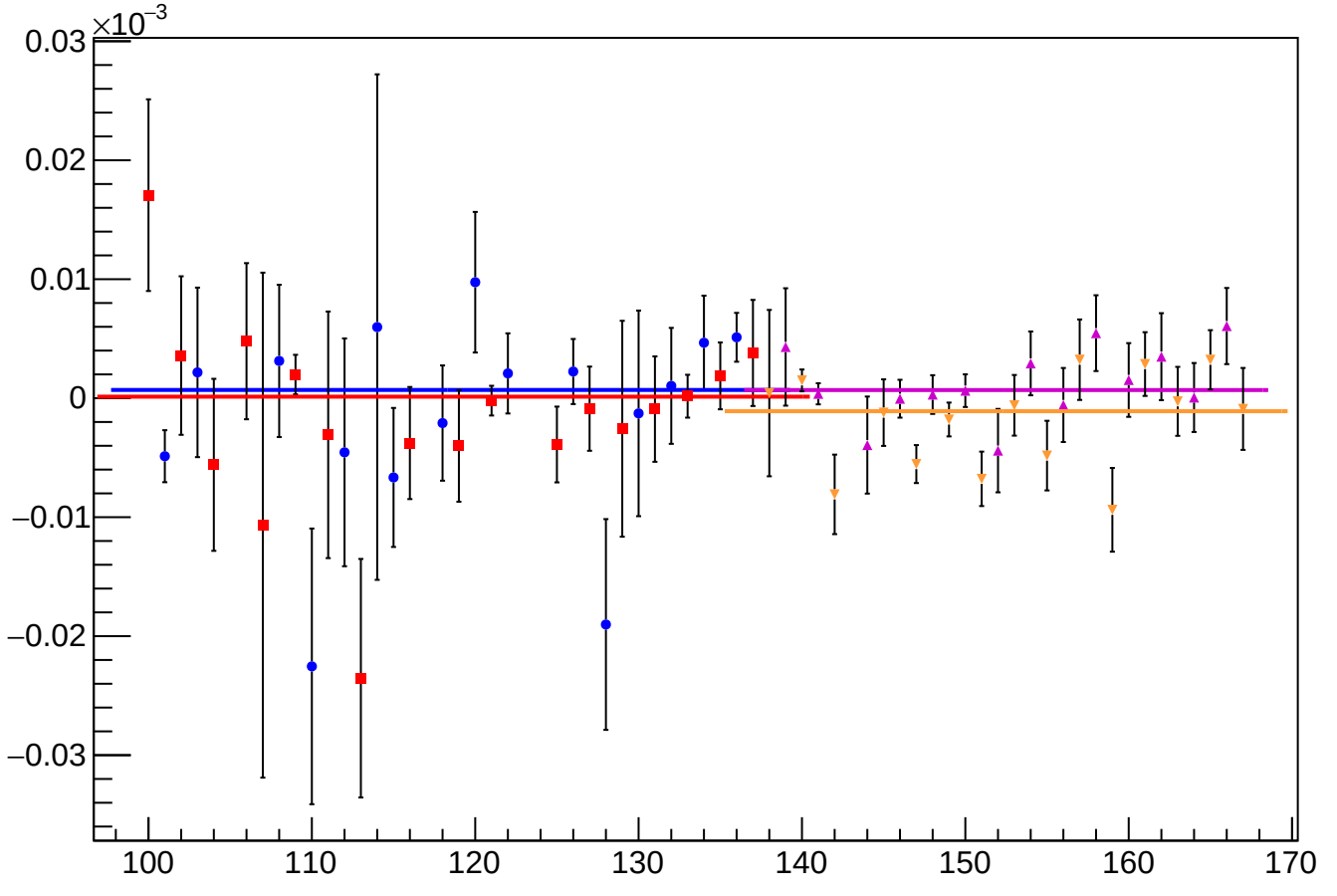
Left: 38.669+/-0.006 χ^2/NDF: 732385.5/28

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.475+/-0.007 χ^2/NDF:1874563.4/29

Out: 38.945+/-0.007 χ^2/NDF:1818356.8/32

All: 39.687+/-0.005 χ^2/NDF: 3715015.4/62



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.0/13

Left: -0.000+/-0.000 χ^2/NDF: 57.2/28

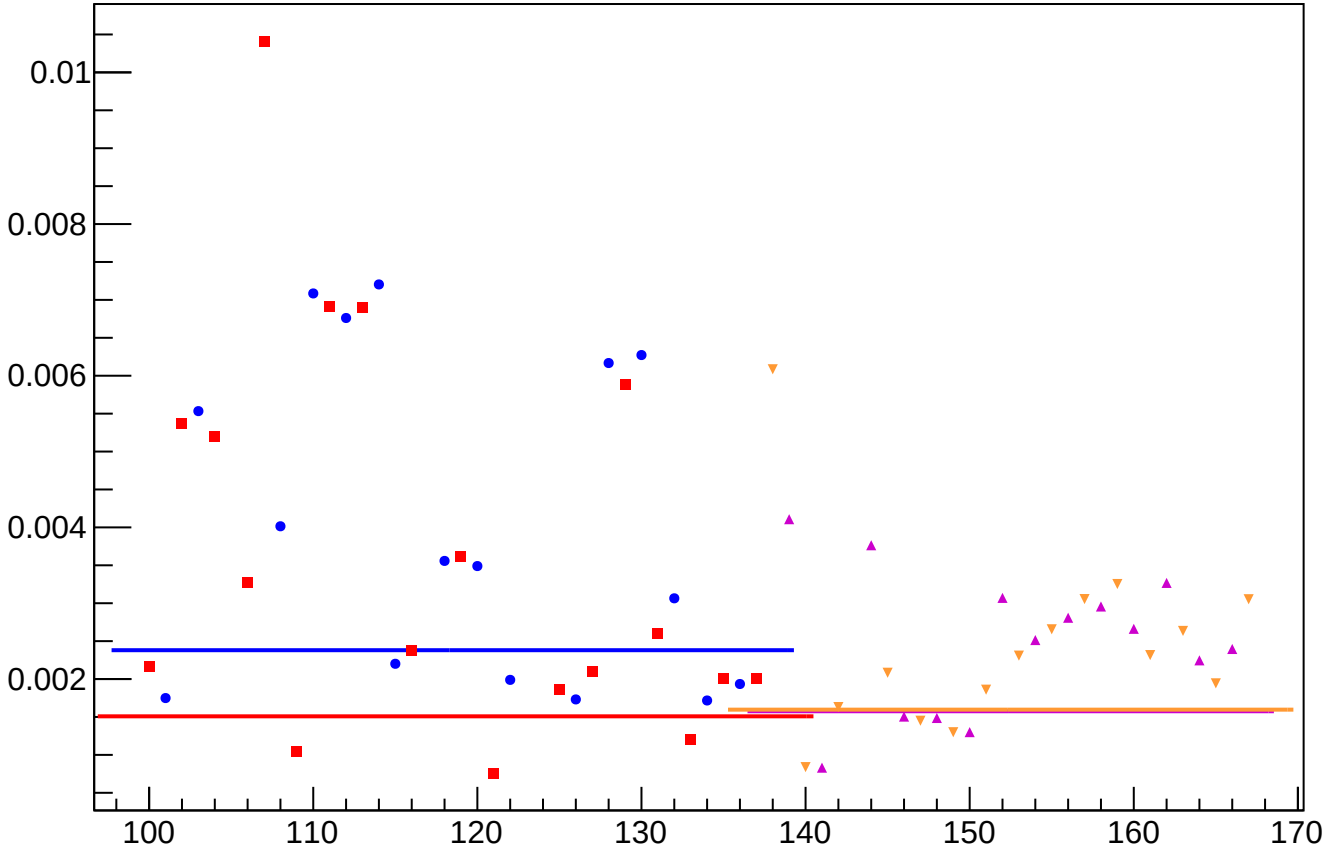
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:37.5/29

Out: -0.000+/-0.000 χ^2/NDF:60.0/32

All: -0.000+/-0.000 χ^2/NDF: 101.8/62

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:4412947.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4812693.2/13

Left: 0.002+/-0.000 χ^2/NDF: 9227175.8/28

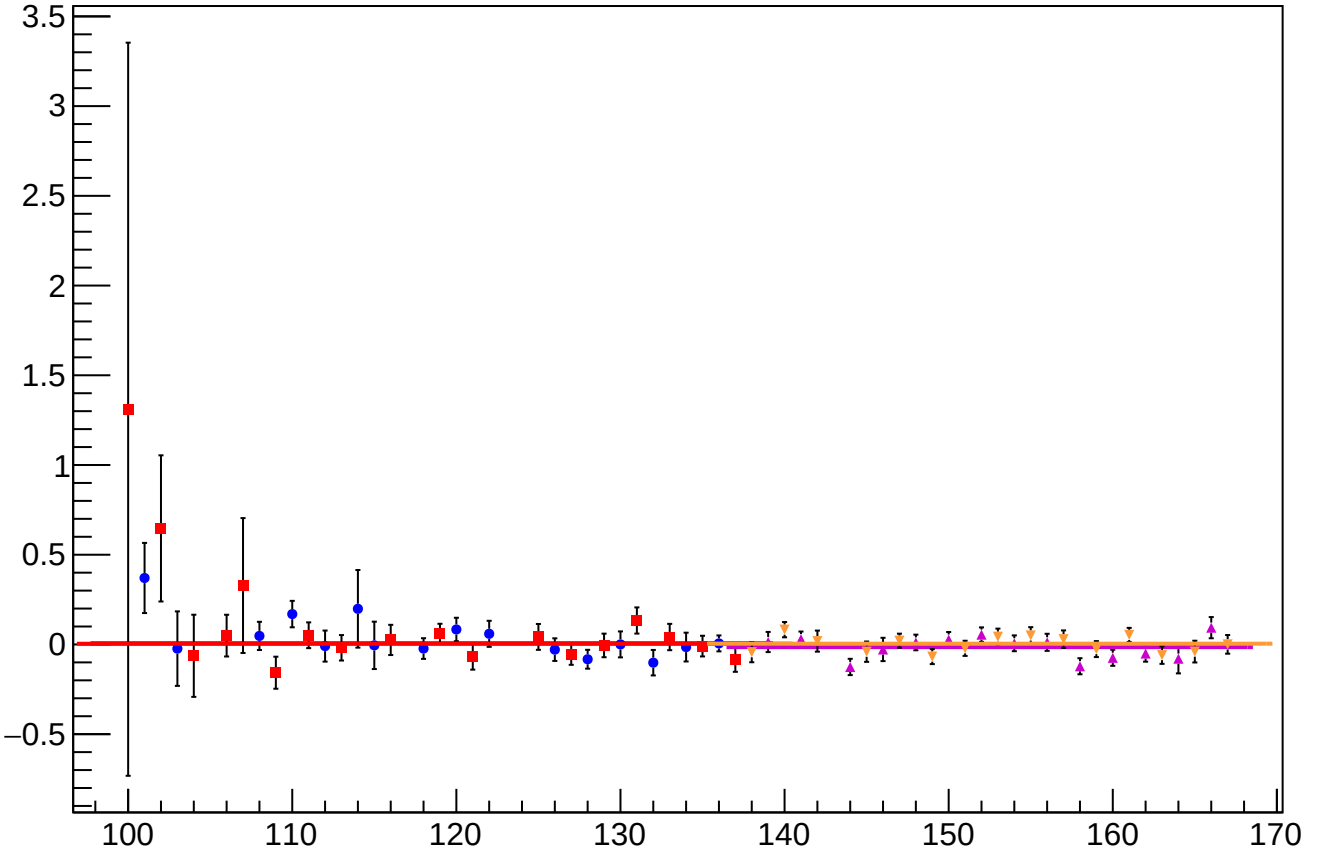
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:8625896.0/29

Out: 0.002+/-0.000 χ^2/NDF:9433738.8/32

All: 0.002+/-0.000 χ^2/NDF: 18226239.3/62

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/14

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.013 χ^2/NDF:24.2/13

Left: -0.005+/-0.009 χ^2/NDF: 39.9/28

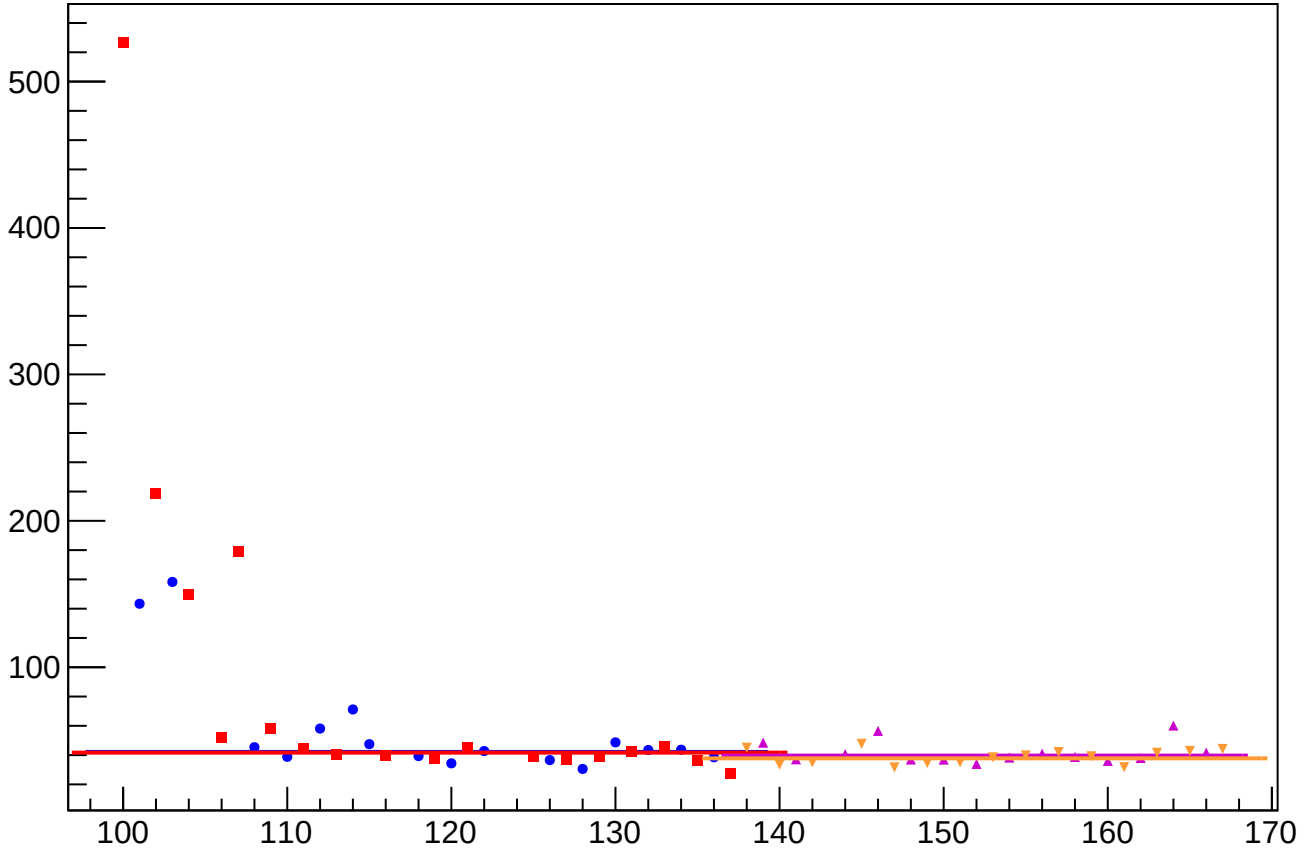
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.010 χ^2/NDF:42.3/29

Out: 0.004+/-0.010 χ^2/NDF:30.8/32

All: -0.002+/-0.007 χ^2/NDF: 73.8/62

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.783+/-0.009 χ^2/NDF:314989.5/14

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.653+/-0.009 χ^2/NDF:394741.0/13

Left: 38.670+/-0.006 χ^2/NDF: 732402.8/28

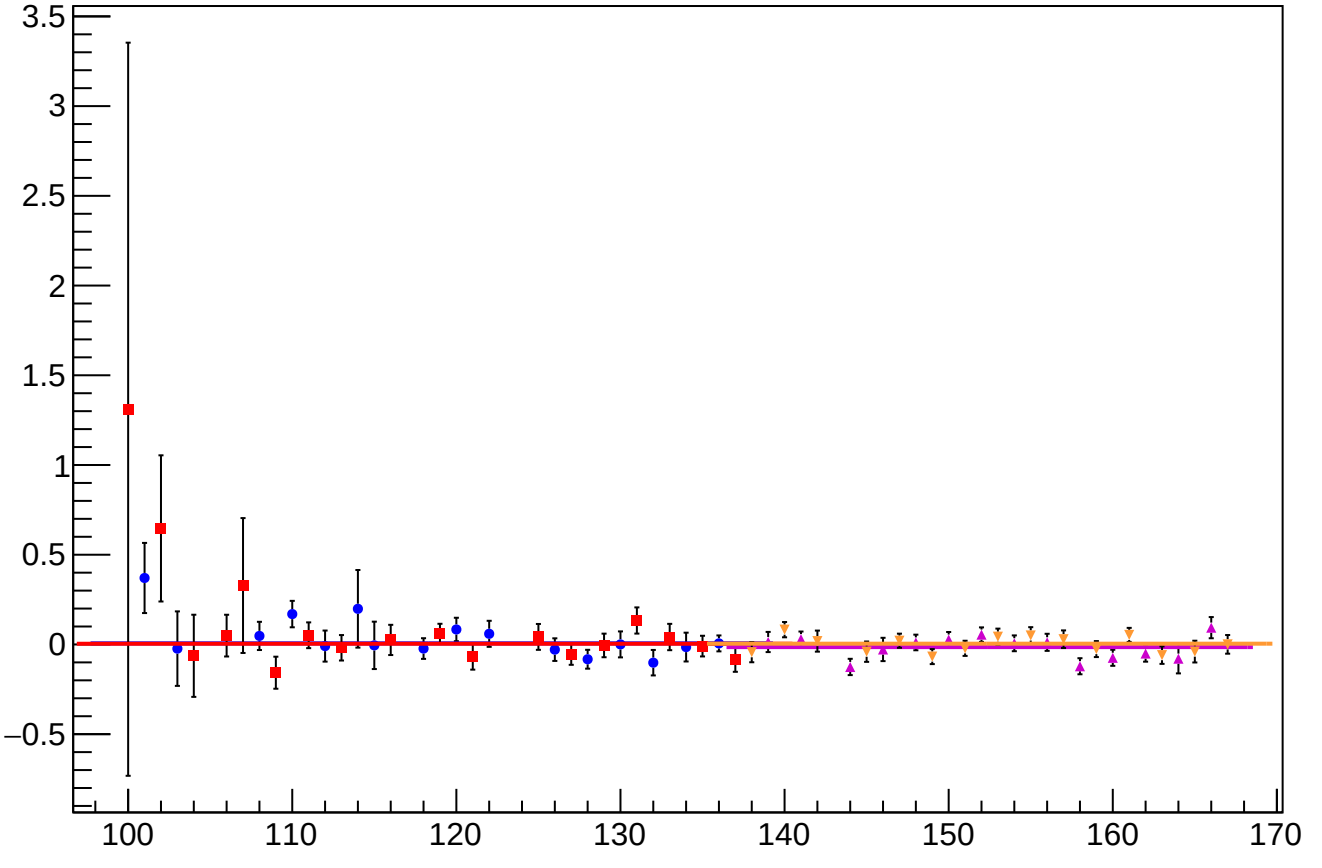
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.474+/-0.007 χ^2/NDF:1874764.8/29

Out: 38.946+/-0.007 χ^2/NDF:1818333.8/32

All: 39.687+/-0.005 χ^2/NDF: 3715165.3/62

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/14

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.013 χ^2/NDF:24.2/13

Left: -0.005+/-0.009 χ^2/NDF: 39.9/28

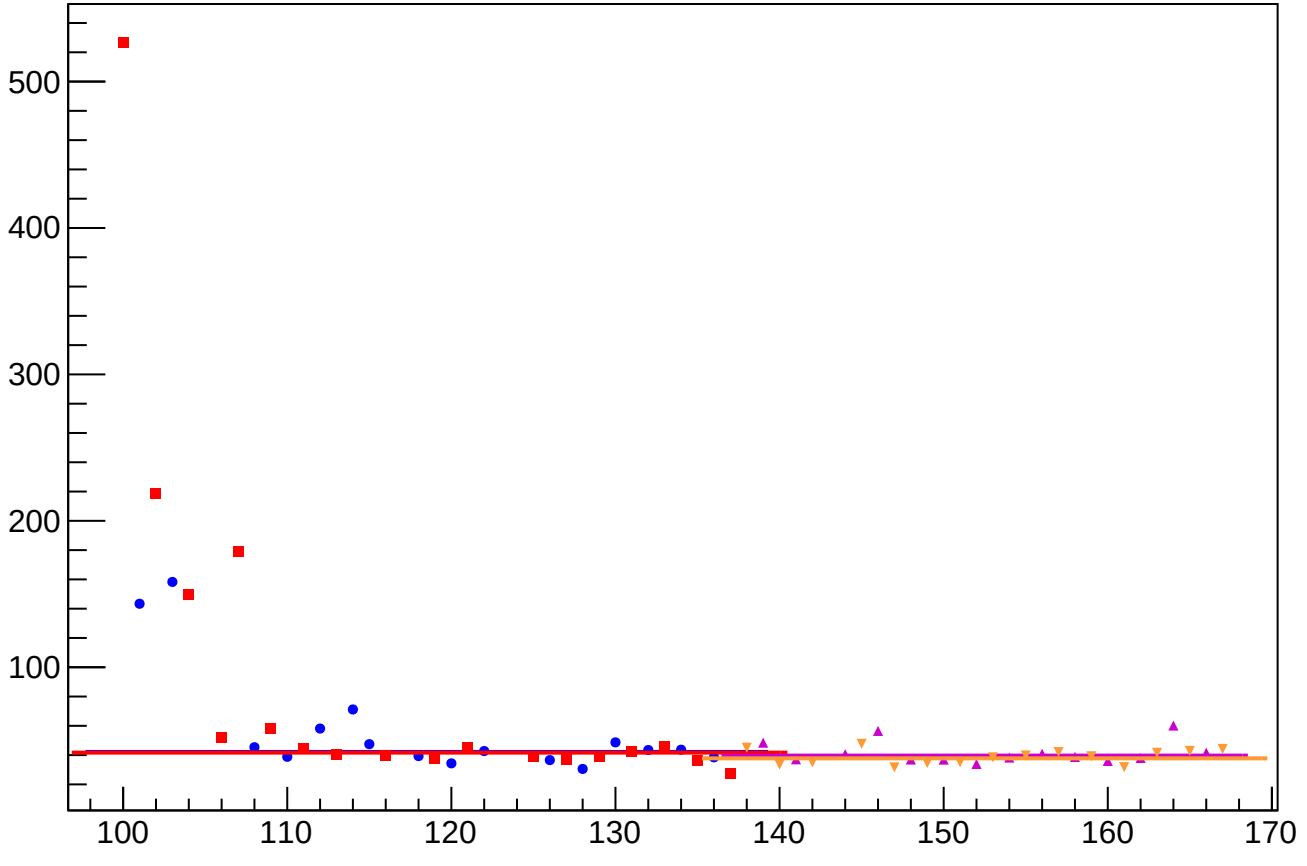
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.010 χ^2/NDF:42.3/29

Out: 0.004+/-0.010 χ^2/NDF:30.8/32

All: -0.002+/-0.007 χ^2/NDF: 73.8/62

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.783+/-0.009 χ^2/NDF:314989.5/14

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.653+/-0.009 χ^2/NDF:394741.0/13

Left: 38.670+/-0.006 χ^2/NDF: 732402.8/28

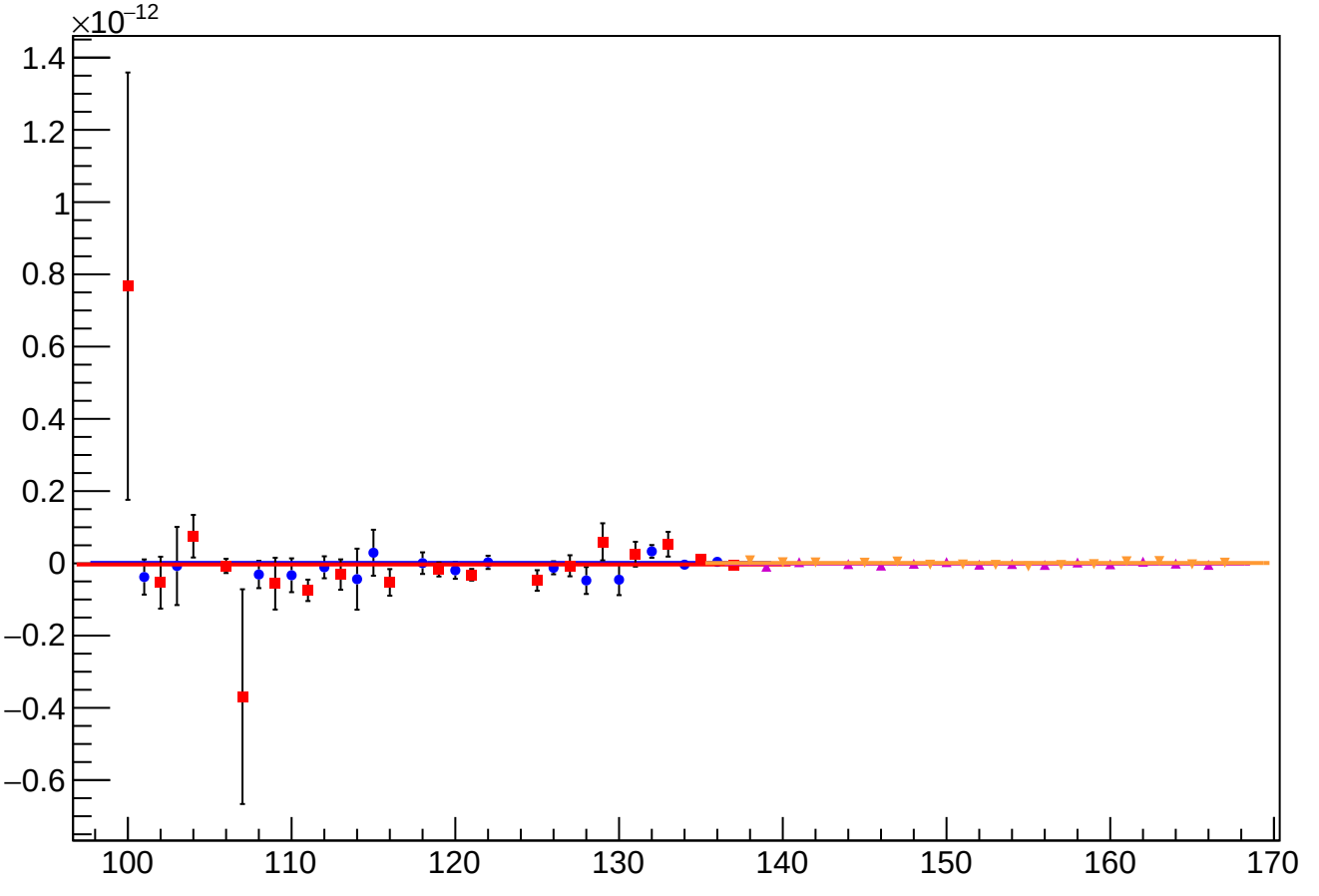
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.474+/-0.007 χ^2/NDF:1874764.8/29

Out: 38.946+/-0.007 χ^2/NDF:1818333.8/32

All: 39.687+/-0.005 χ^2/NDF: 3715165.3/62

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/13

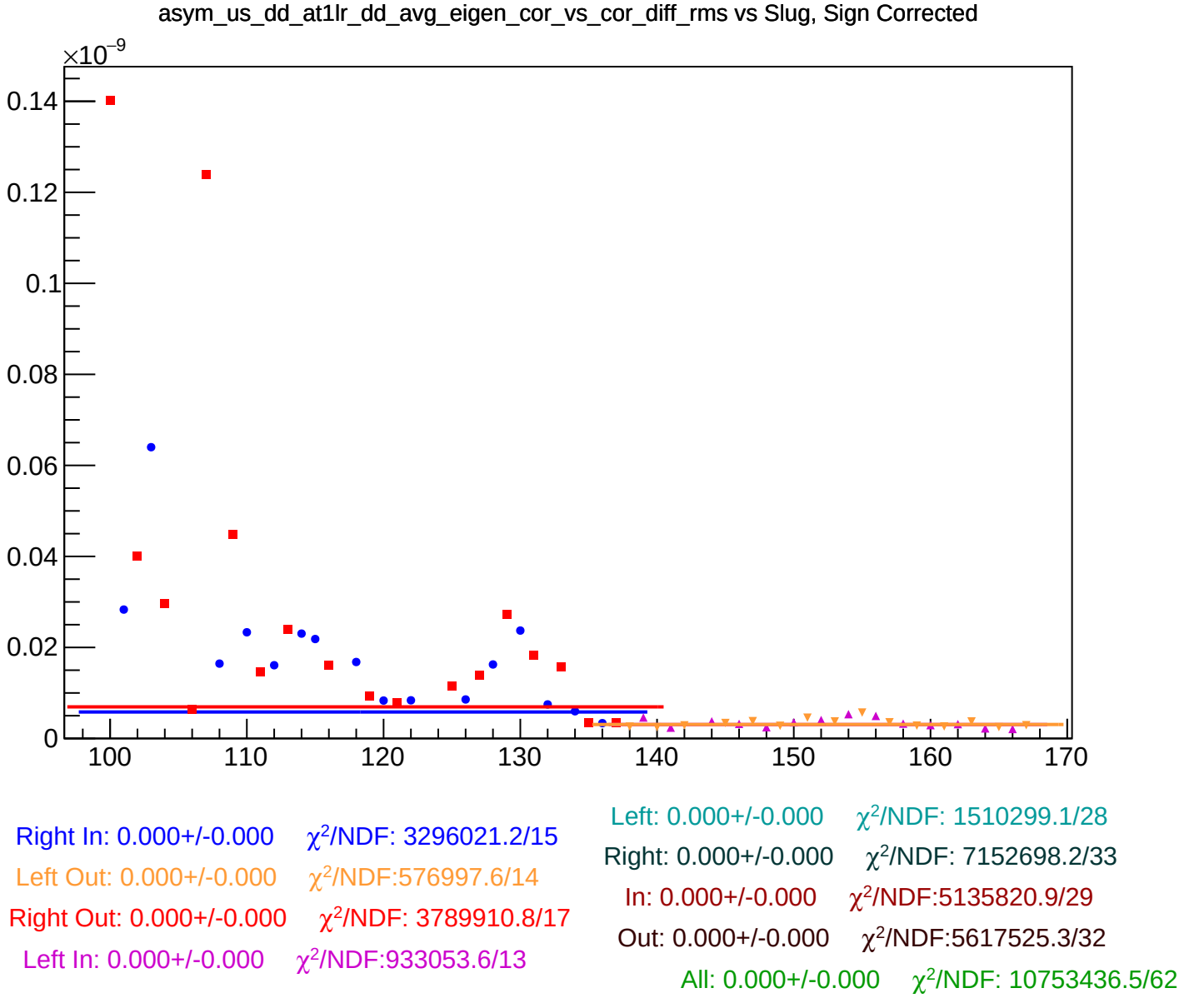
Left: 0.000+/-0.000 χ^2/NDF: 21.5/28

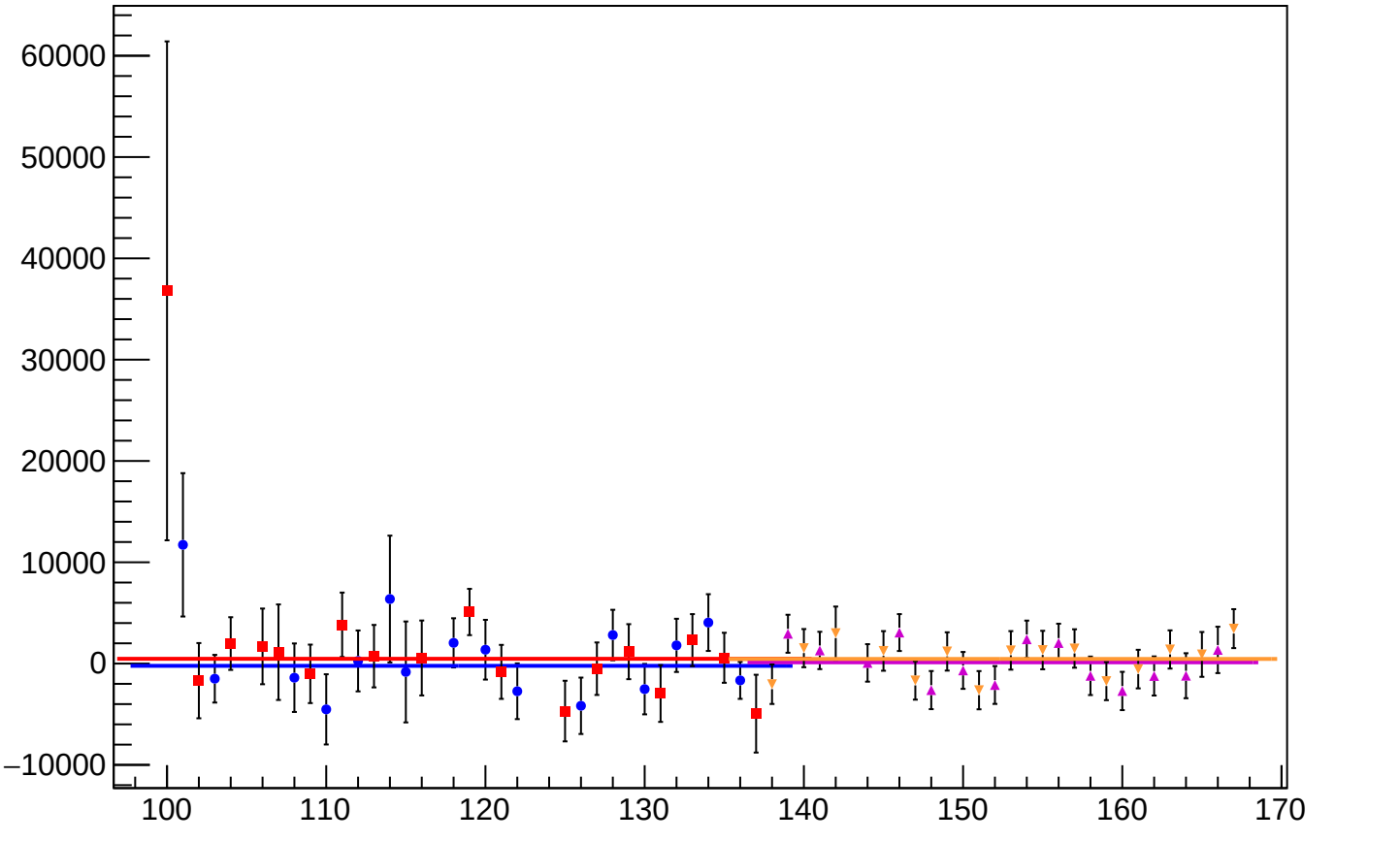
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:19.3/29

Out: 0.000+/-0.000 χ^2/NDF:41.5/32

All: 0.000+/-0.000 χ^2/NDF: 61.4/62


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:576997.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:933053.6/13
Left: 0.000+/-0.000 χ²/NDF: 1510299.1/28
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:5135820.9/29
Out: 0.000+/-0.000 χ²/NDF:5617525.3/32
All: 0.000+/-0.000 χ²/NDF: 10753436.5/62



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 458.247+/-504.006 χ^2/NDF:12.2/14

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 123.903+/-510.808 χ^2/NDF:15.4/13

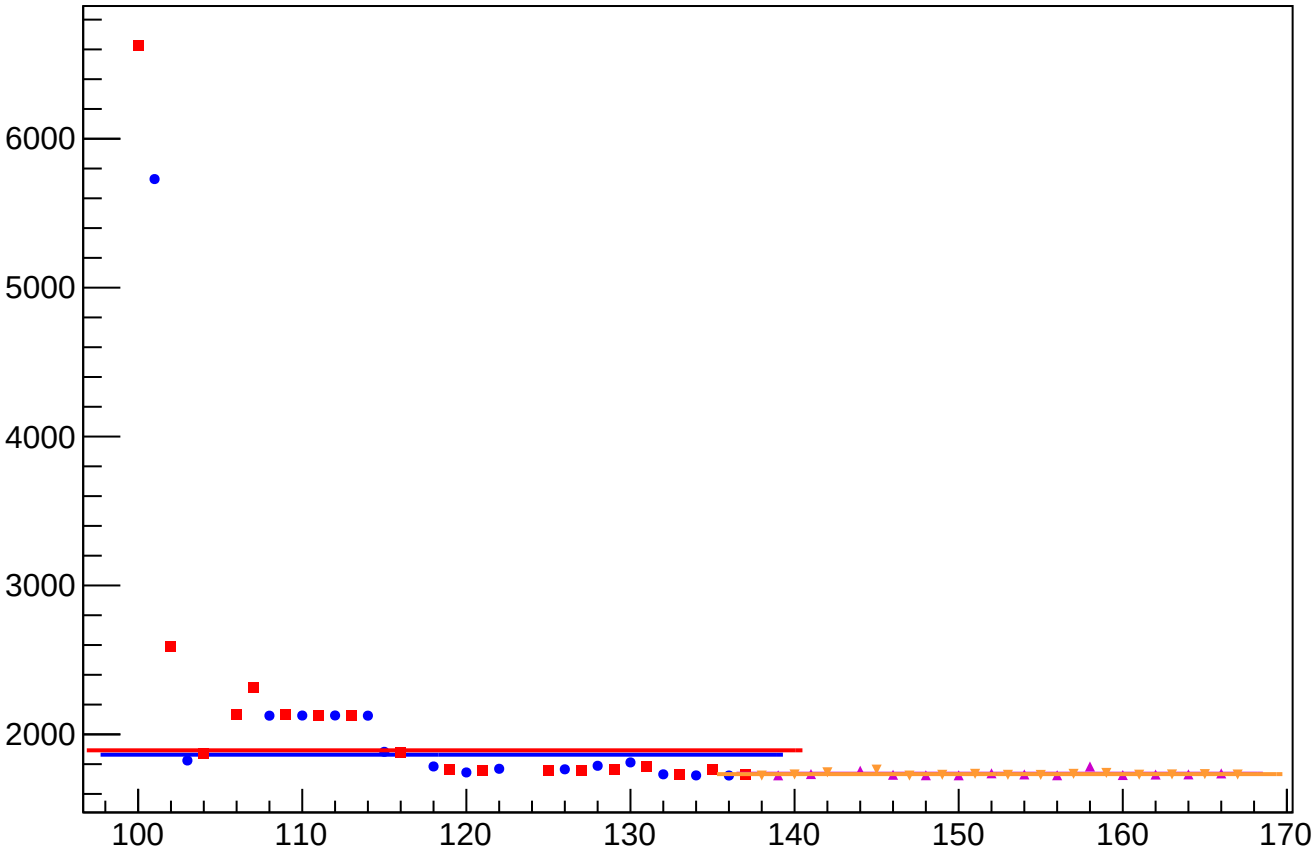
Left: 293.316+/-358.767 χ^2/NDF: 27.8/28

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

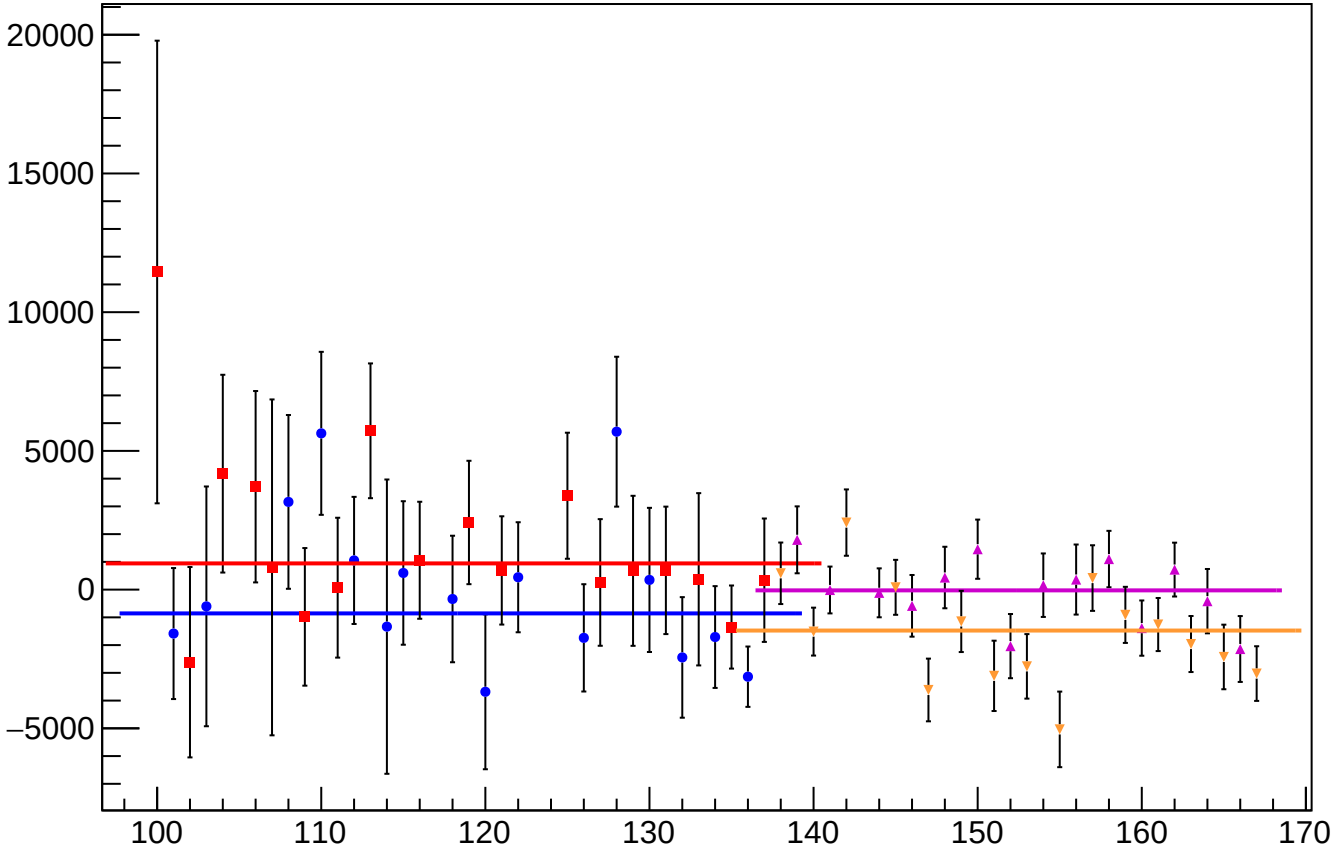
In: 5.406+/-414.477 χ^2/NDF:31.4/29

Out: 462.979+/-411.269 χ^2/NDF:28.1/32

All: 235.970+/-291.939 χ^2/NDF: 60.1/62


reg_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1863.581+/-0.501 χ2/NDF: 674665.6/15
Left Out: 1733.035+/-0.356 χ2/NDF:718.1/14
Right Out: 1892.866+/-0.503 χ2/NDF: 251512.9/17
Left In: 1735.793+/-0.361 χ2/NDF:1909.6/13
Left: 1734.395+/-0.254 χ2/NDF: 2657.2/28
Right: 1878.175+/-0.355 χ2/NDF: 927878.2/33
In: 1779.446+/-0.293 χ2/NDF:719333.4/29
Out: 1786.442+/-0.291 χ2/NDF:319437.6/32
All: 1782.971+/-0.206 χ2/NDF: 1039058.1/62

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1475.249+/-278.255 χ^2/NDF:36.2/14

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -27.210+/-282.751 χ^2/NDF:14.8/13

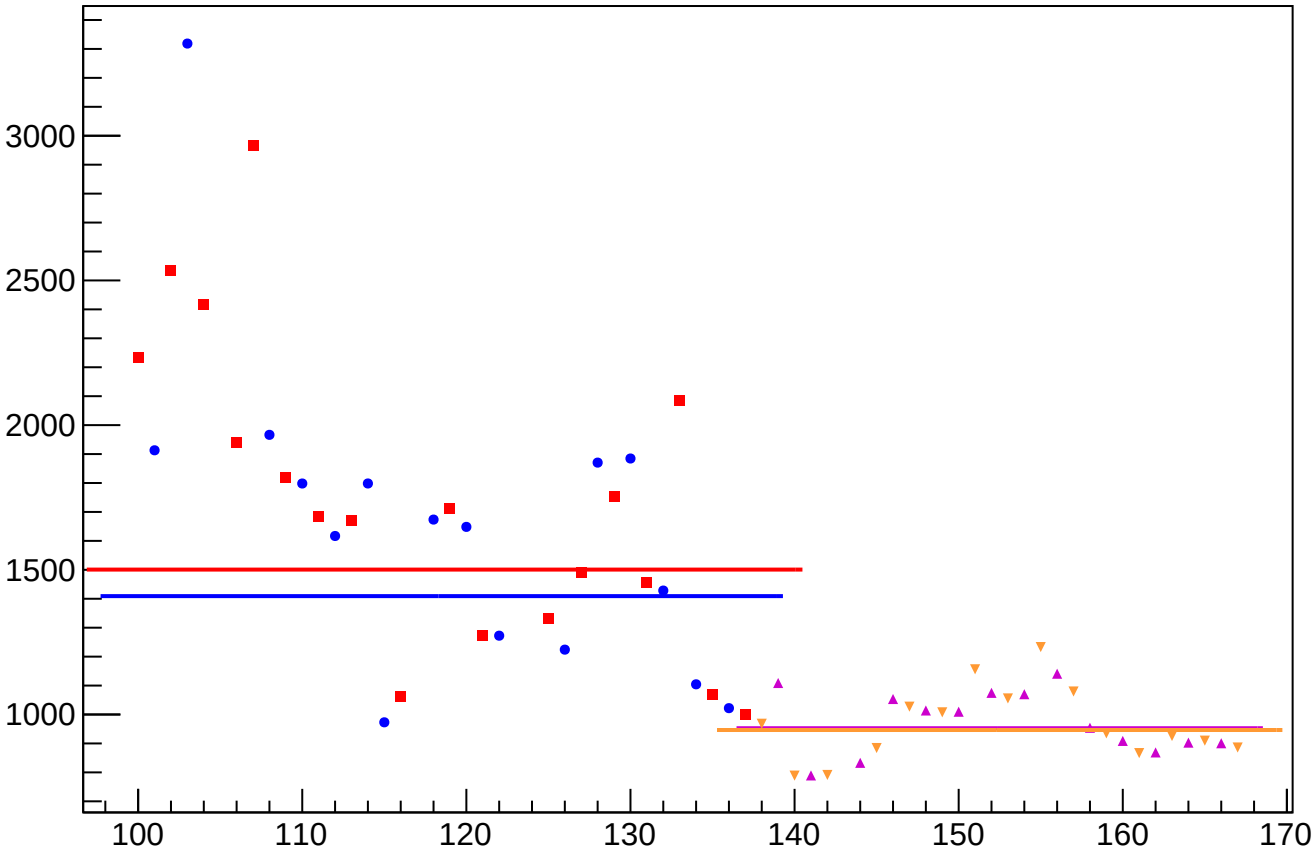
Left: -762.835+/-198.326 χ^2/NDF: 64.3/28

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -200.837+/-251.447 χ^2/NDF:37.2/29

Out: -1027.477+/-251.196 χ^2/NDF:63.2/32

All: -614.570+/-177.711 χ^2/NDF: 105.7/62



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 946.431+/-0.197 χ^2/NDF:336231.2/14

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 952.640+/-0.200 χ^2/NDF:287636.5/13

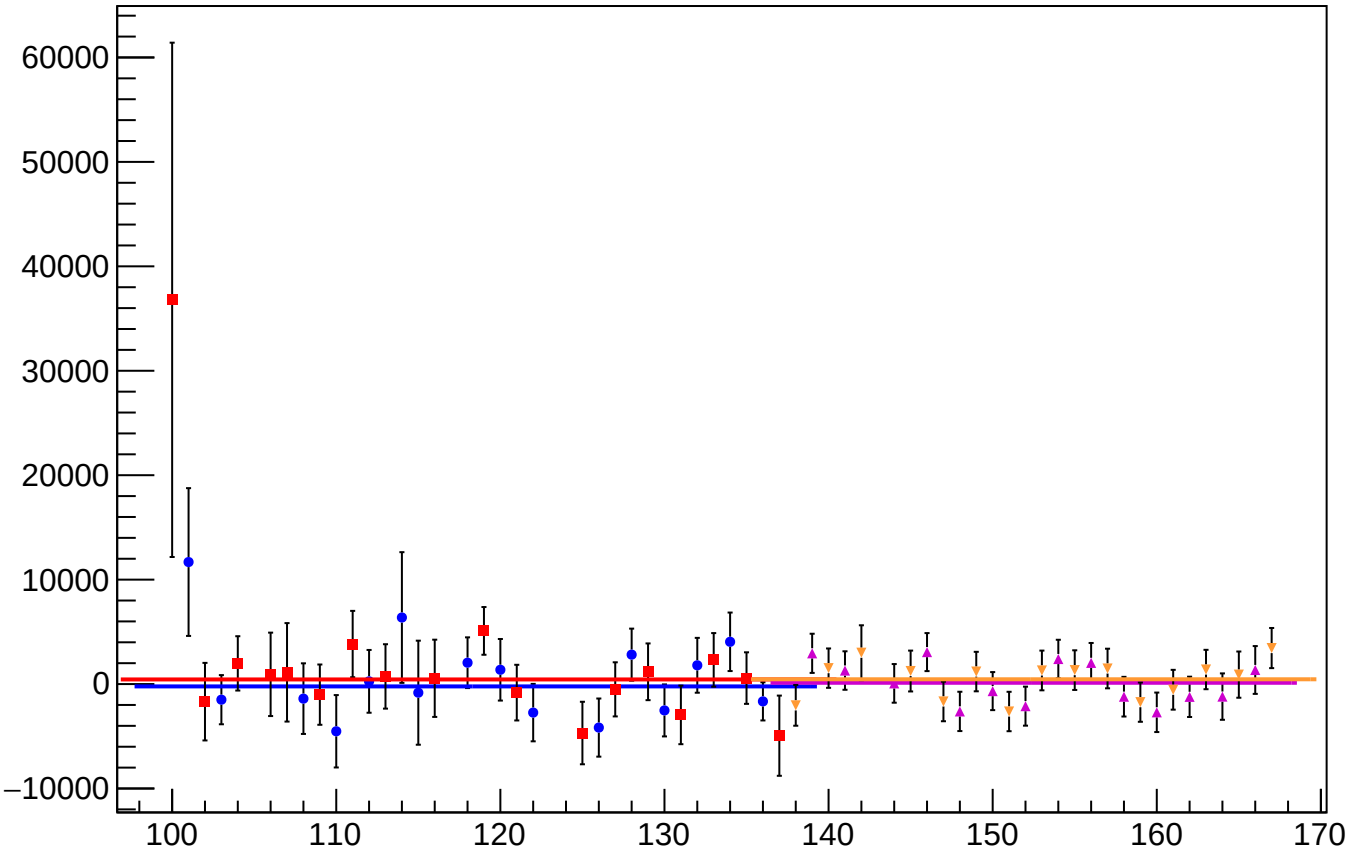
Left: 949.486+/-0.140 χ^2/NDF: 624357.7/28

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1048.117+/-0.178 χ^2/NDF:2545564.7/29

Out: 1049.007+/-0.178 χ^2/NDF:2835900.1/32

All: 1048.563+/-0.126 χ^2/NDF: 5381477.3/62



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.324+/-504.006 χ^2/NDF:12.2/14

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 123.930+/-510.808 χ^2/NDF:15.4/13

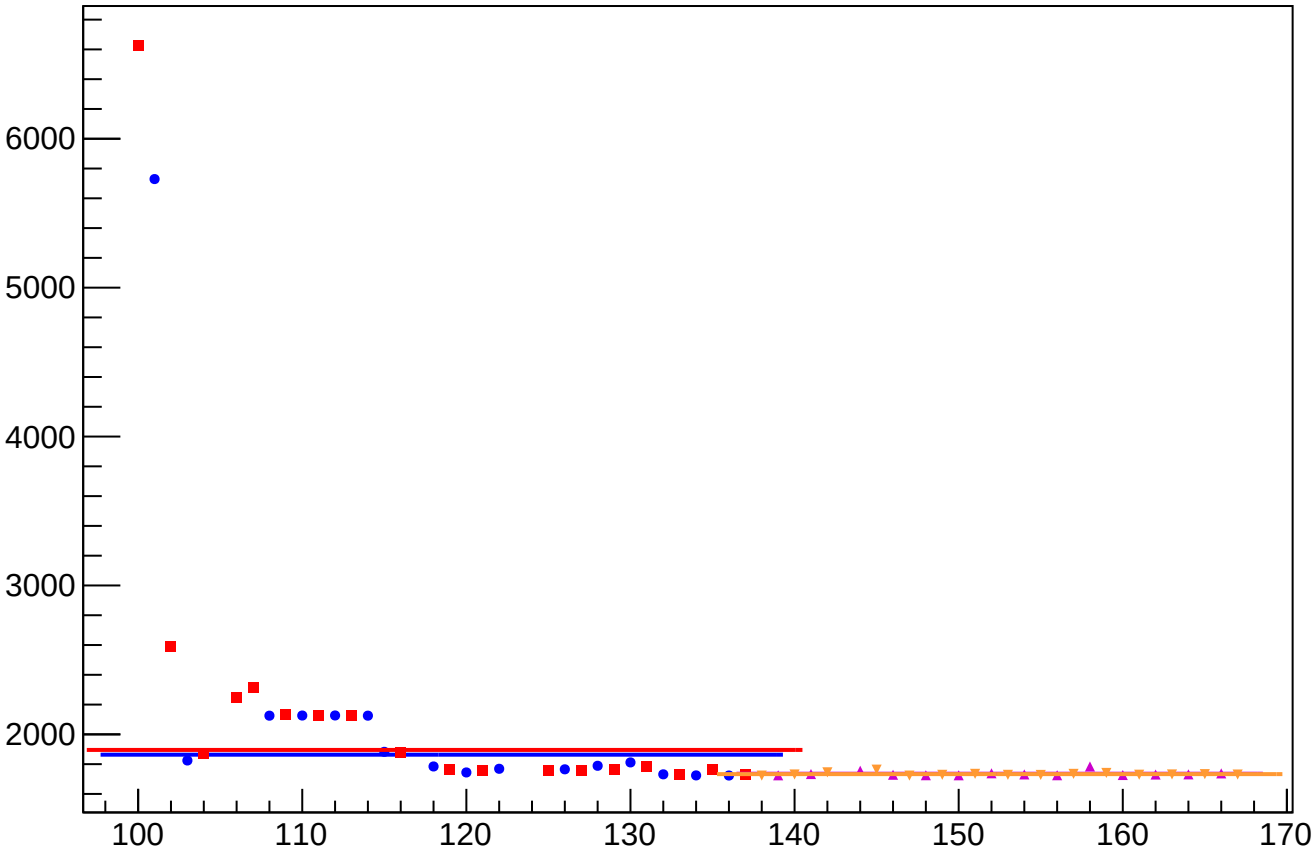
Left: 293.368+/-358.767 χ^2/NDF: 27.8/28

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 5.159+/-414.477 χ^2/NDF:31.4/29

Out: 453.226+/-411.582 χ^2/NDF:28.0/32

All: 230.763+/-292.051 χ^2/NDF: 59.9/62



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.035+/-0.356 χ^2/NDF:718.1/14

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.793+/-0.361 χ^2/NDF:1909.6/13

Left: 1734.395+/-0.254 χ^2/NDF: 2657.2/28

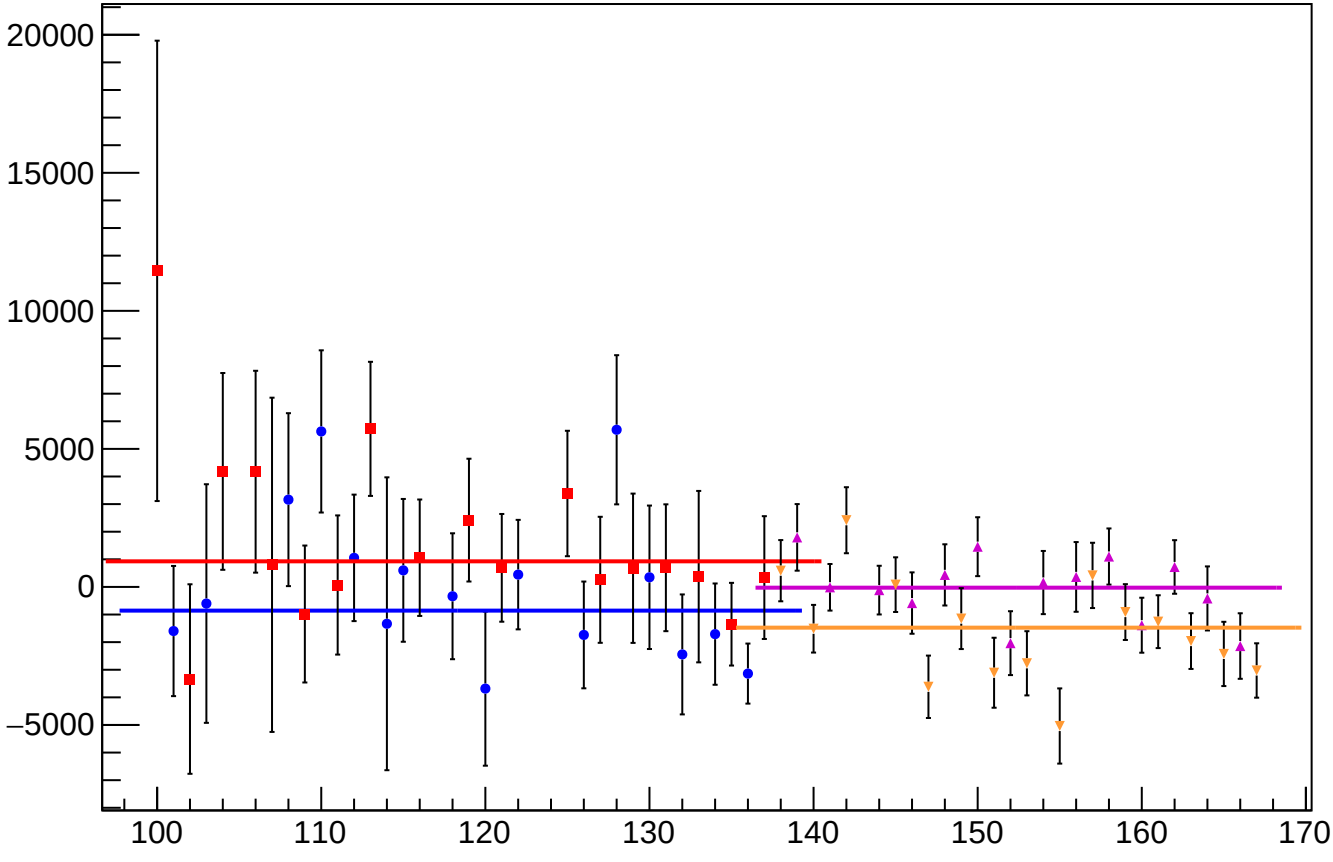
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1779.446+/-0.293 χ^2/NDF:719333.3/29

Out: 1787.154+/-0.291 χ^2/NDF:329112.1/32

All: 1783.327+/-0.207 χ^2/NDF: 1048793.7/62

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1475.246+/-278.255 χ^2/NDF:36.2/14

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -27.181+/-282.750 χ^2/NDF:14.8/13

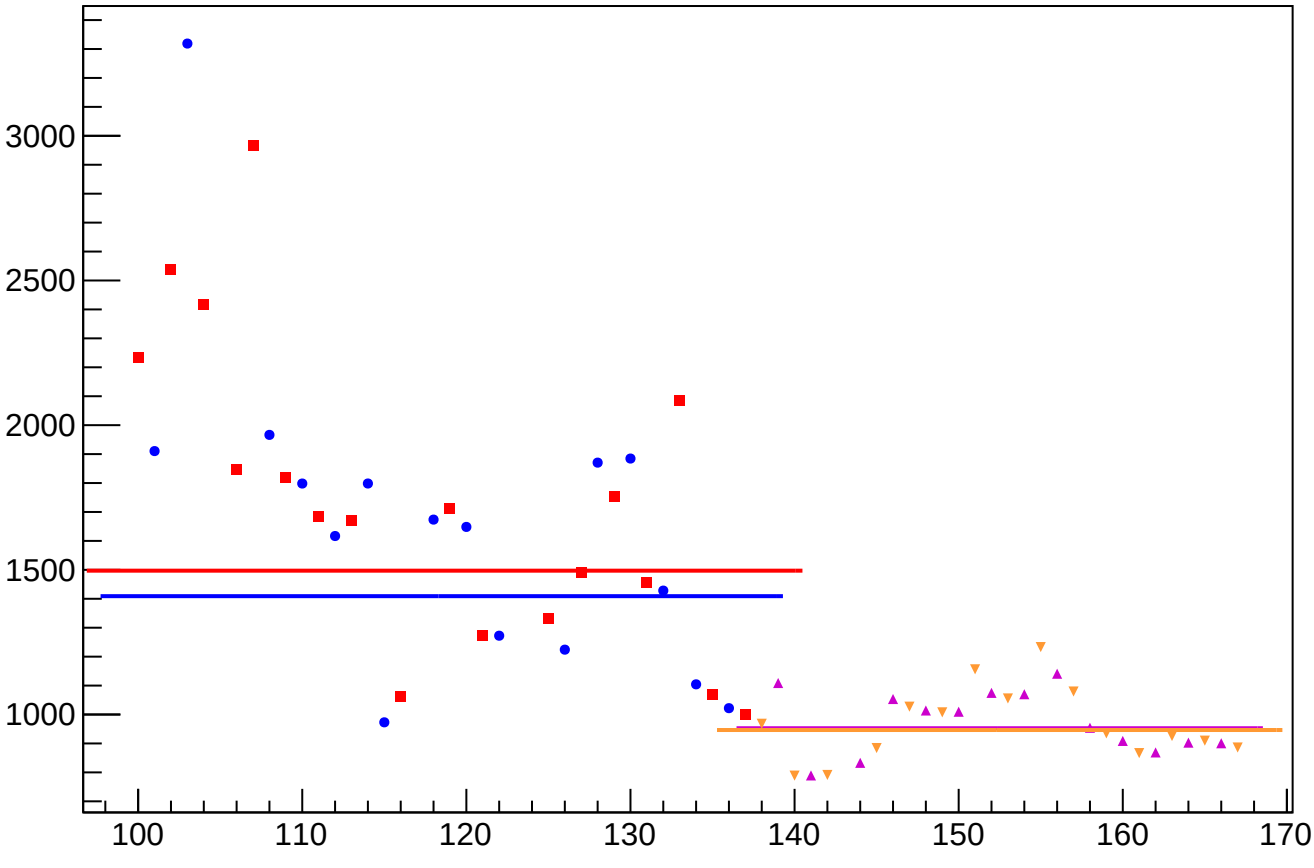
Left: -762.815+/-198.326 χ^2/NDF: 64.3/28

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -201.007+/-251.442 χ^2/NDF:37.2/29

Out: -1031.854+/-251.269 χ^2/NDF:63.5/32

All: -616.716+/-177.735 χ^2/NDF: 106.2/62



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 946.433+/-0.197 χ^2/NDF:336195.9/14

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 952.636+/-0.200 χ^2/NDF:287652.4/13

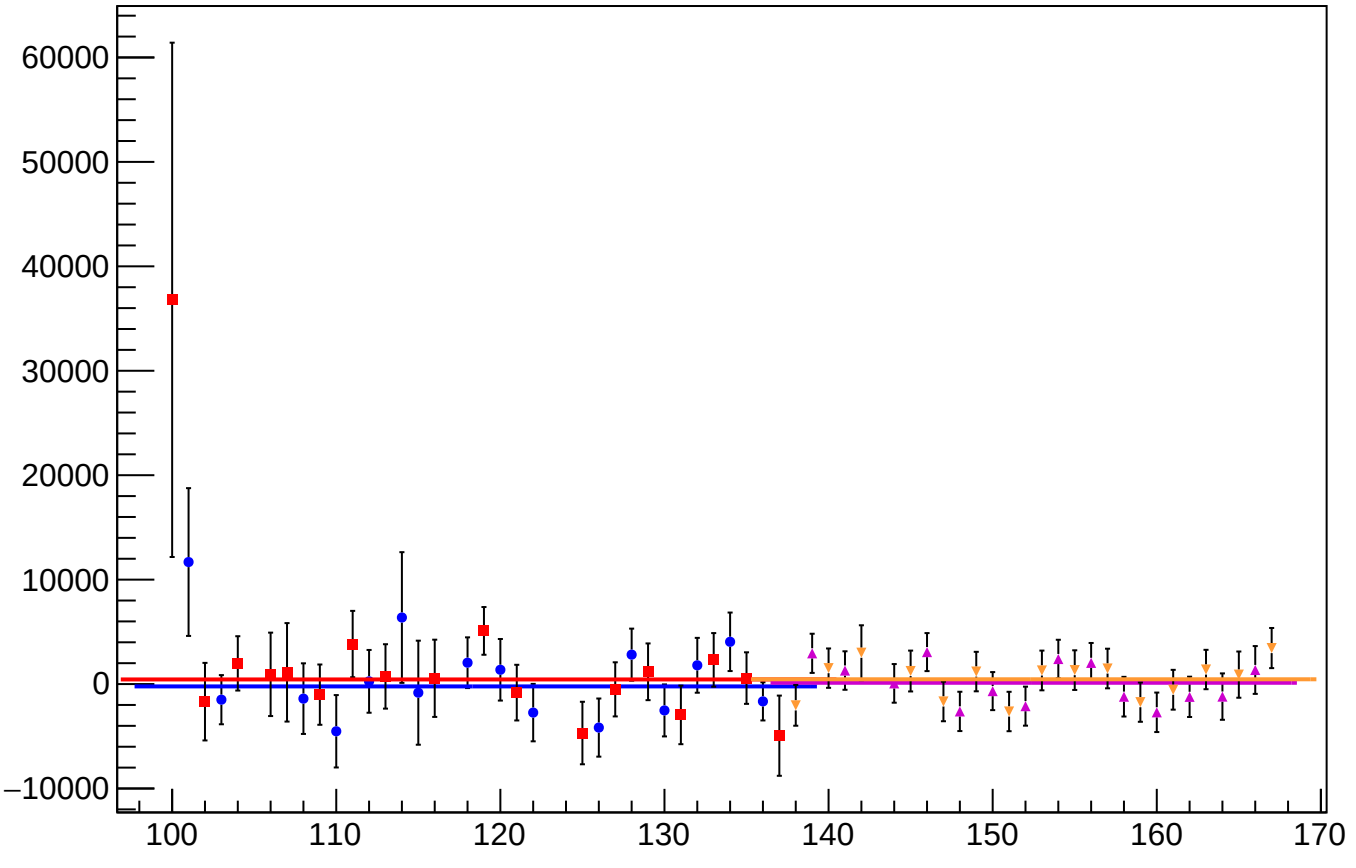
Left: 949.485+/-0.140 χ^2/NDF: 624337.3/28

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1048.108+/-0.178 χ^2/NDF:2544728.1/29

Out: 1048.073+/-0.178 χ^2/NDF:2800207.8/32

All: 1048.090+/-0.126 χ^2/NDF: 5344935.8/62



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.324+/-504.006 χ^2/NDF:12.2/14

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 123.930+/-510.808 χ^2/NDF:15.4/13

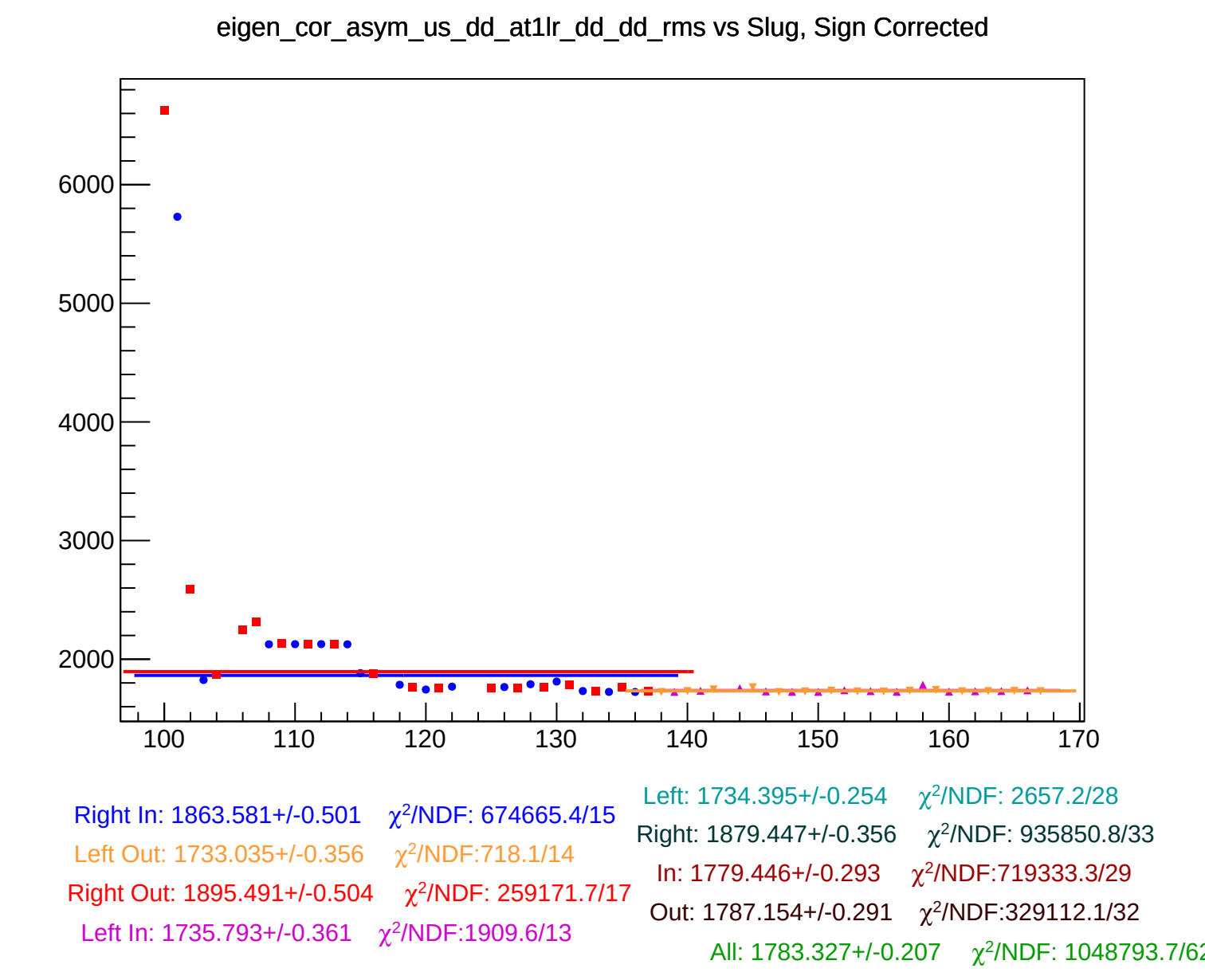
Left: 293.368+/-358.767 χ^2/NDF: 27.8/28

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

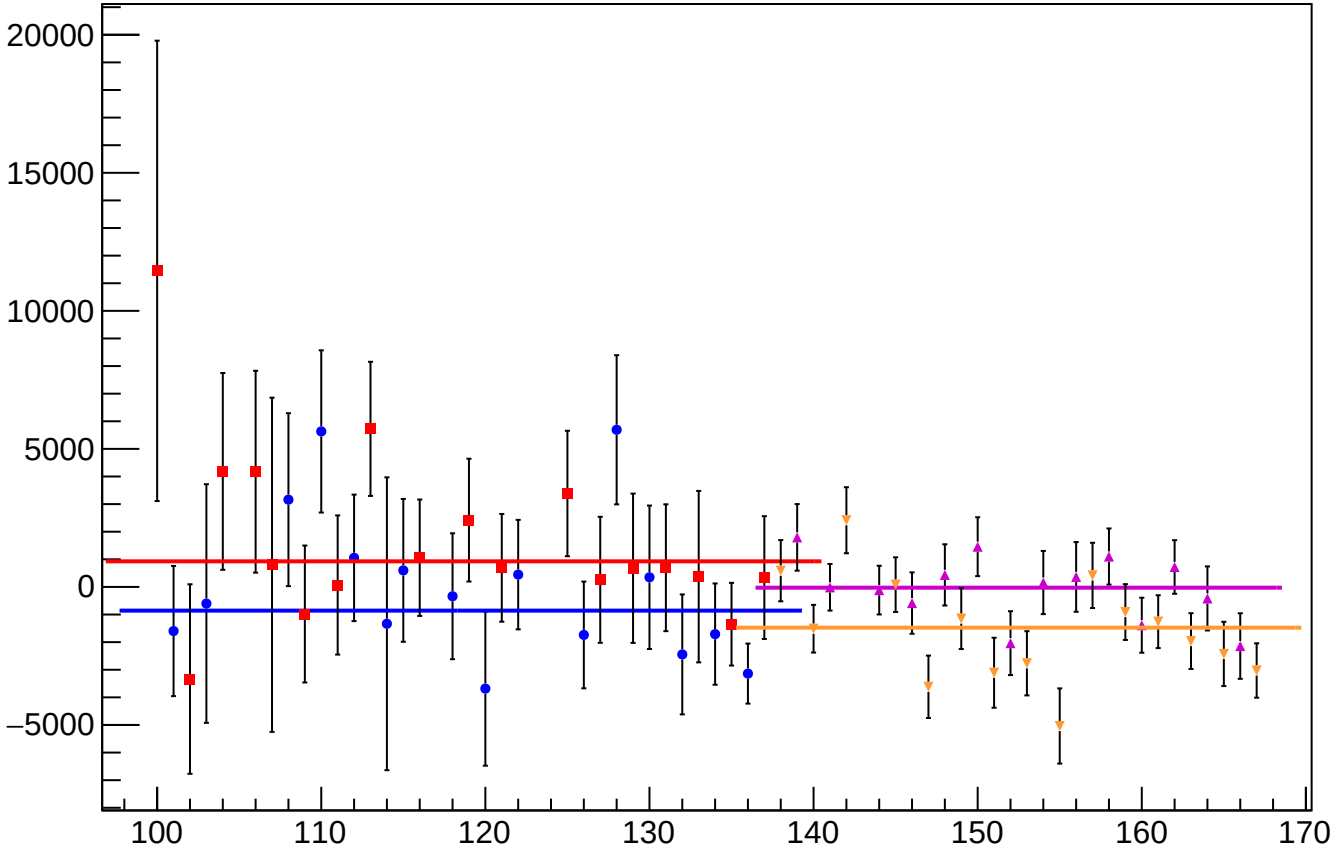
In: 5.159+/-414.477 χ^2/NDF:31.4/29

Out: 453.226+/-411.582 χ^2/NDF:28.0/32

All: 230.763+/-292.051 χ^2/NDF: 59.9/62


eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1863.581+/-0.501 χ²/NDF: 674665.4/15
Left Out: 1733.035+/-0.356 χ²/NDF:718.1/14
Right Out: 1895.491+/-0.504 χ²/NDF: 259171.7/17
Left In: 1735.793+/-0.361 χ²/NDF:1909.6/13
Left: 1734.395+/-0.254 χ²/NDF: 2657.2/28
Right: 1879.447+/-0.356 χ²/NDF: 935850.8/33
In: 1779.446+/-0.293 χ²/NDF:719333.3/29
Out: 1787.154+/-0.291 χ²/NDF:329112.1/32
All: 1783.327+/-0.207 χ²/NDF: 1048793.7/62

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1475.246+/-278.255 χ^2/NDF:36.2/14

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -27.181+/-282.750 χ^2/NDF:14.8/13

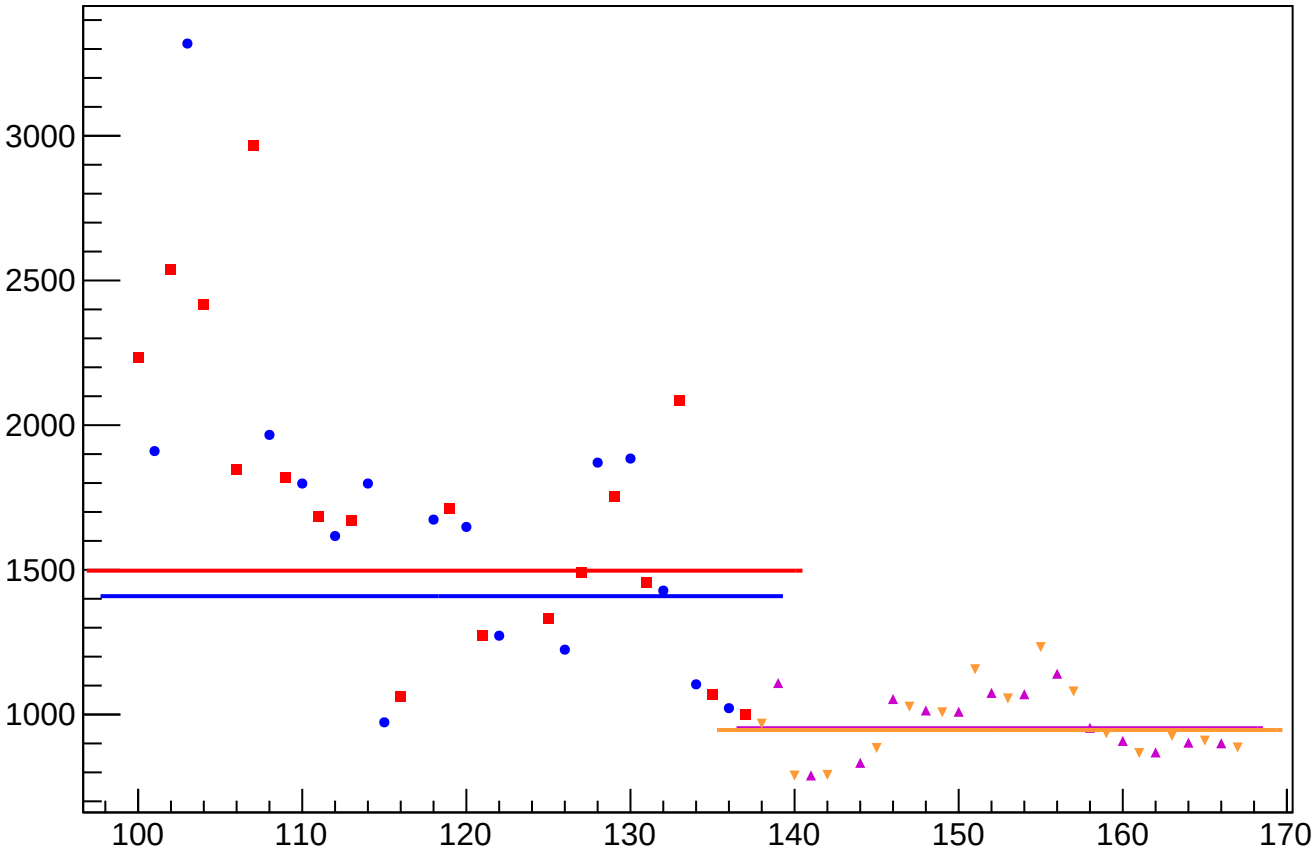
Left: -762.815+/-198.326 χ^2/NDF: 64.3/28

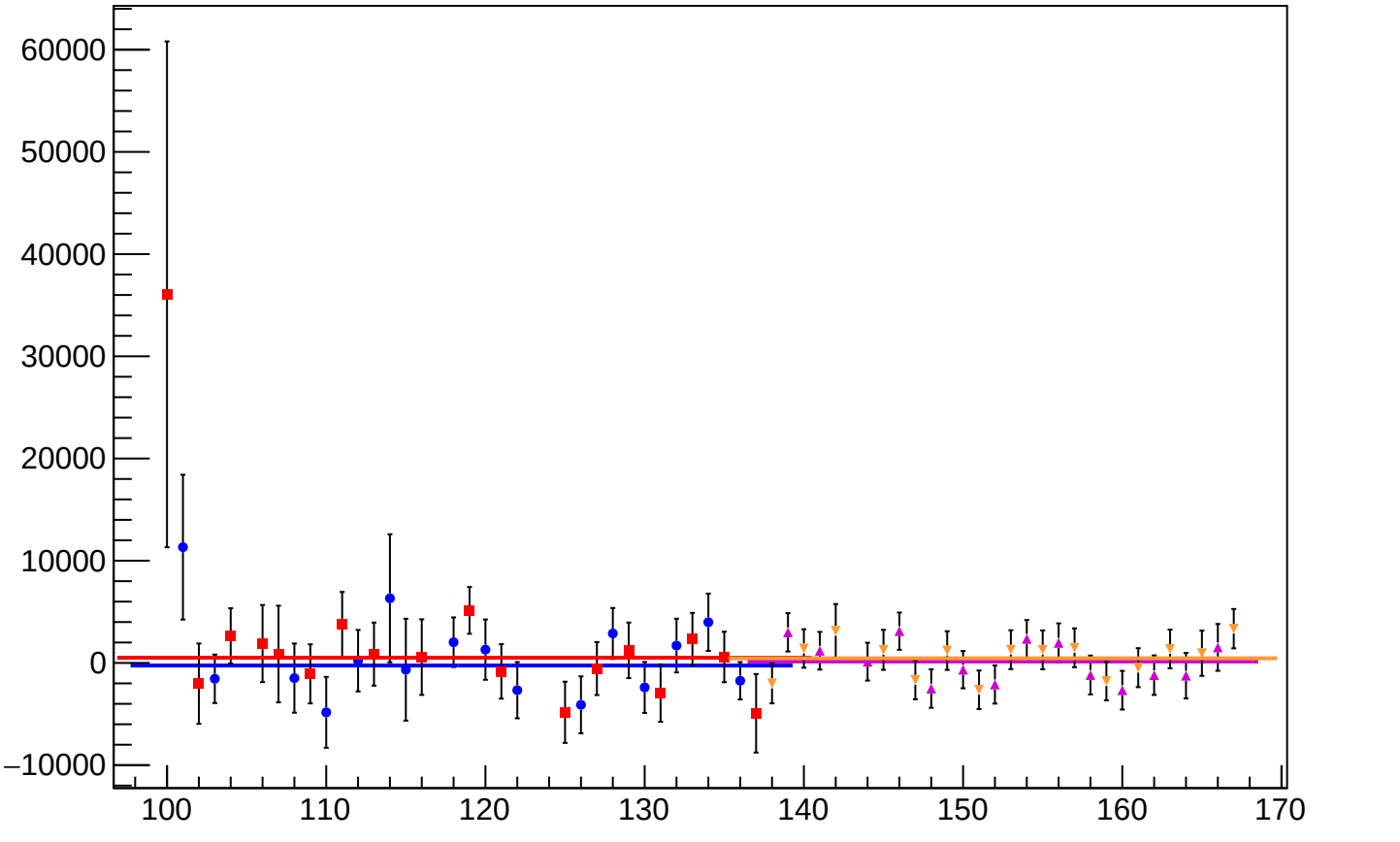
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -201.007+/-251.442 χ^2/NDF:37.2/29

Out: -1031.854+/-251.269 χ^2/NDF:63.5/32

All: -616.716+/-177.735 χ^2/NDF: 106.2/62


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 946.433+/-0.197 χ²/NDF:336195.9/14
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 952.636+/-0.200 χ²/NDF:287652.4/13
Left: 949.485+/-0.140 χ²/NDF: 624337.3/28
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1048.108+/-0.178 χ²/NDF:2544728.1/29
Out: 1048.073+/-0.178 χ²/NDF:2800207.8/32
All: 1048.090+/-0.126 χ²/NDF: 5344935.8/62



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 454.564+/-504.214 χ^2/NDF:12.0/14

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 143.032+/-511.100 χ^2/NDF:15.2/13

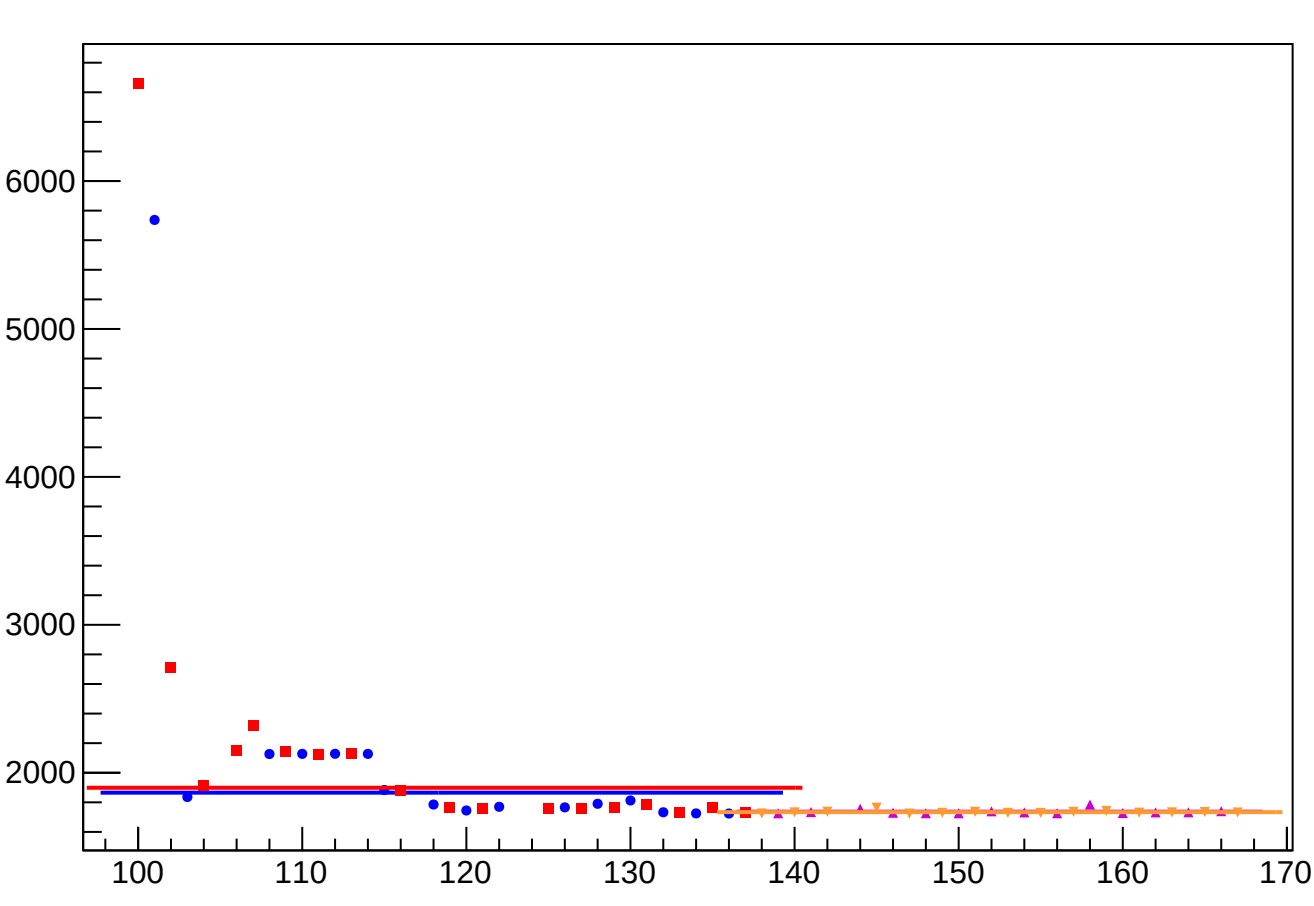
Left: 300.911+/-358.943 χ^2/NDF: 27.4/28

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 8.183+/-414.798 χ^2/NDF:31.0/29

Out: 473.000+/-412.145 χ^2/NDF:28.4/32

All: 242.082+/-292.364 χ^2/NDF: 60.1/62



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.708+/-0.357 χ^2/NDF:665.4/14

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.787+/-0.361 χ^2/NDF:1902.0/13

Left: 1735.226+/-0.254 χ^2/NDF: 2604.2/28

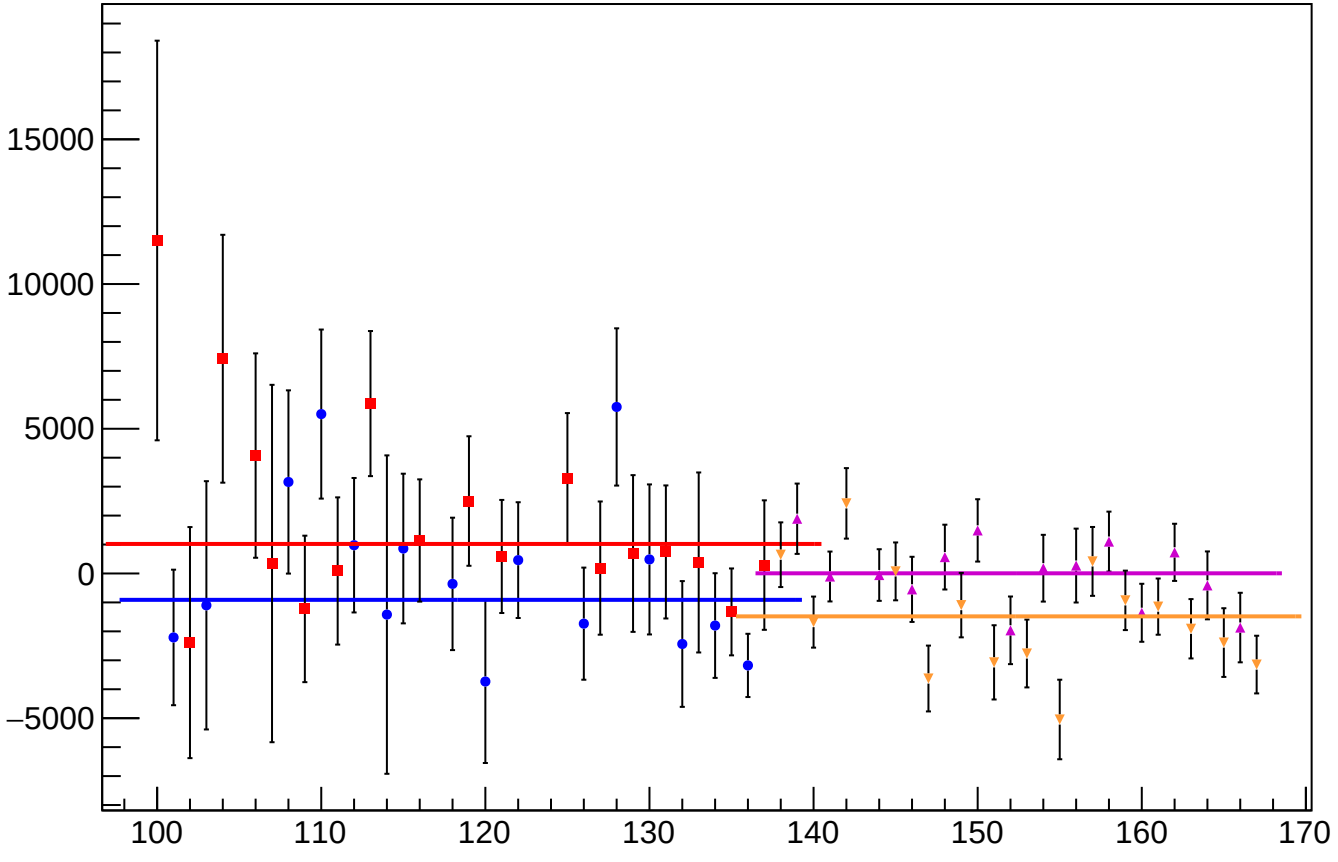
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1780.701+/-0.293 χ^2/NDF:720147.8/29

Out: 1788.430+/-0.291 χ^2/NDF:340760.3/32

All: 1784.590+/-0.207 χ^2/NDF: 1061257.5/62

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1482.097+/-281.830 χ^2/NDF:36.0/14

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 5.673+/-286.244 χ^2/NDF:13.8/13

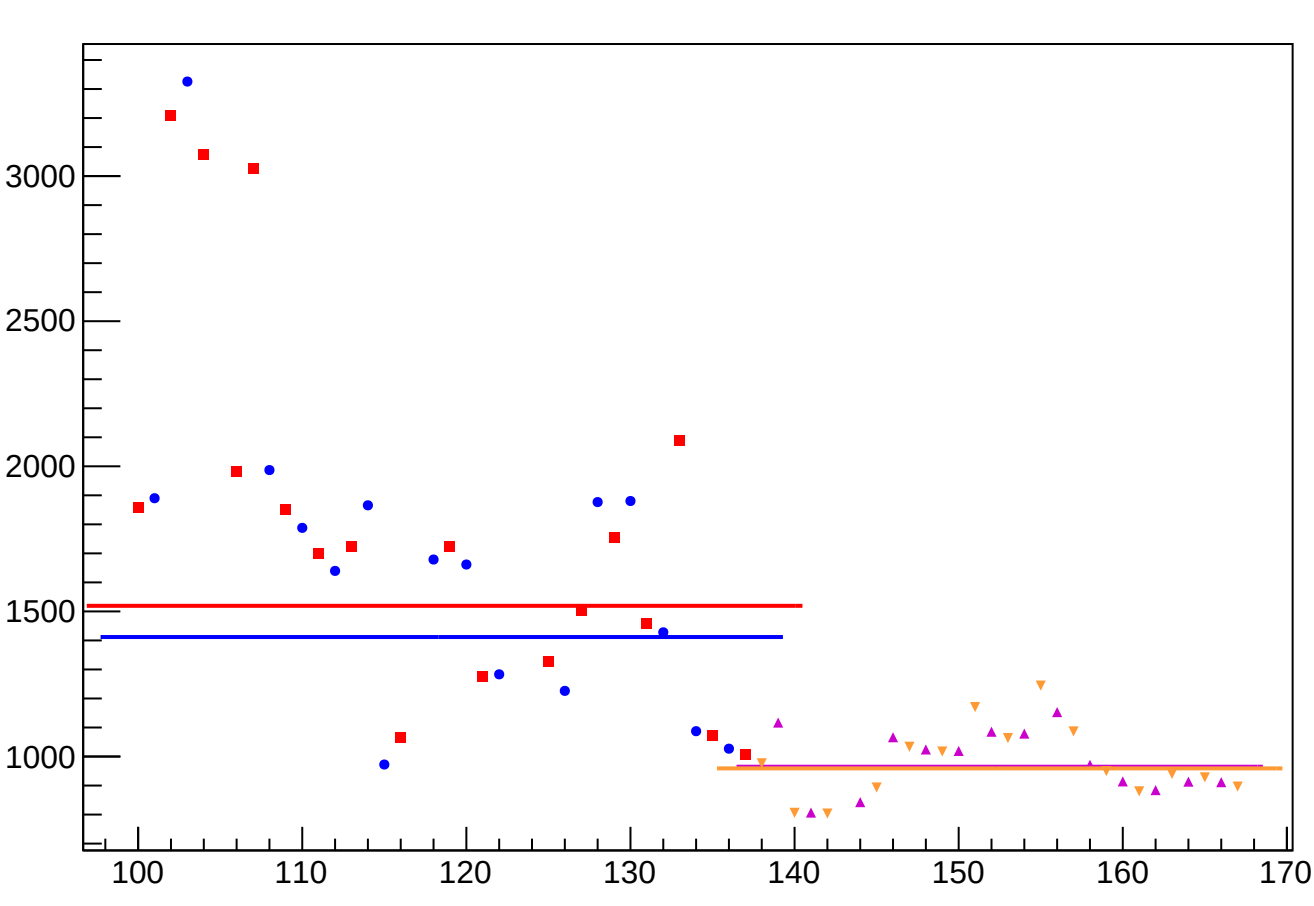
Left: -749.771+/-200.826 χ^2/NDF: 63.5/28

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -189.223+/-253.996 χ^2/NDF:37.0/29

Out: -1019.270+/-254.434 χ^2/NDF:65.5/32

All: -603.532+/-179.757 χ^2/NDF: 107.8/62



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 959.161+/-0.199 χ^2/NDF:318759.9/14

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 964.917+/-0.202 χ^2/NDF:273740.0/13

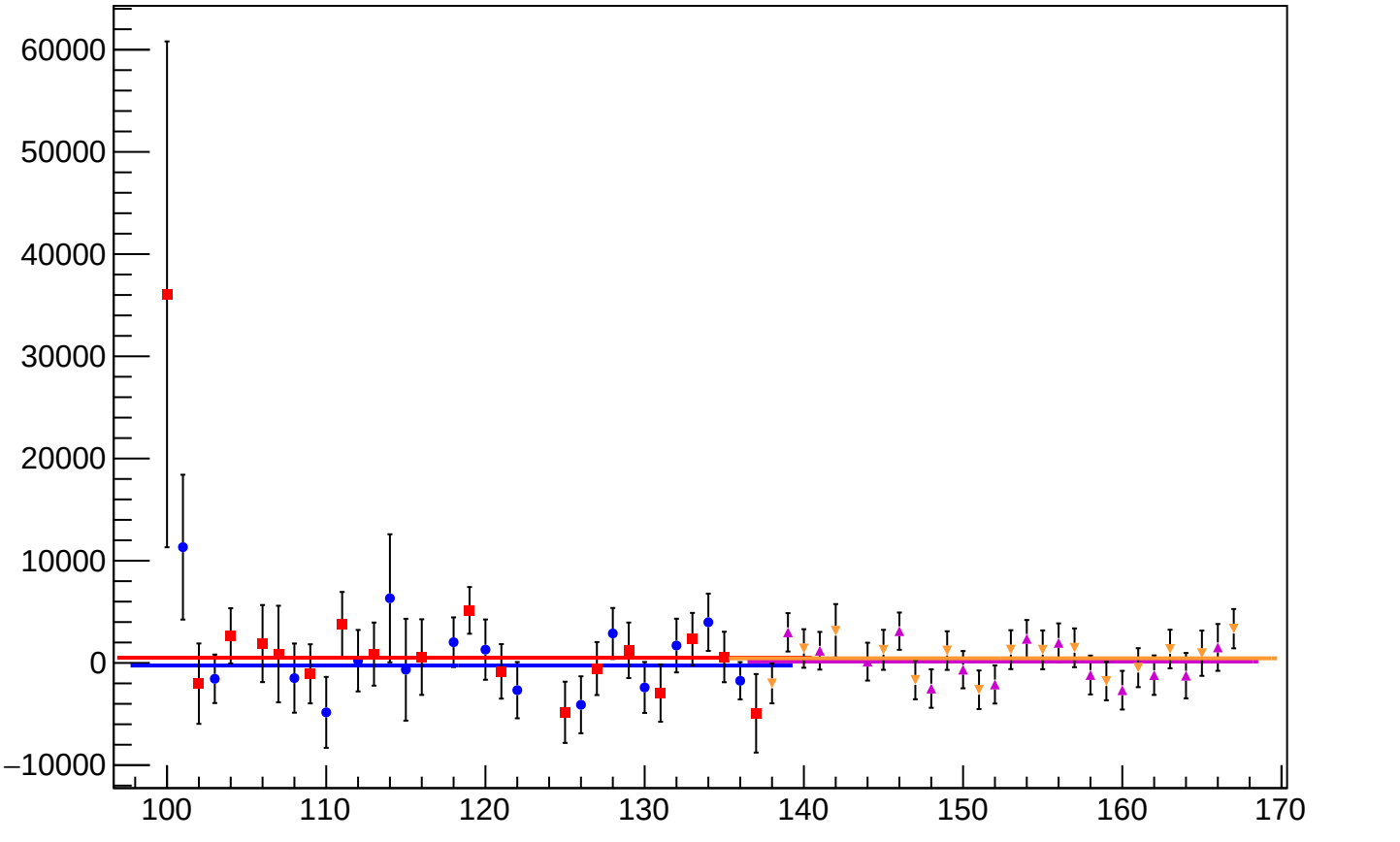
Left: 961.994+/-0.142 χ^2/NDF: 592910.4/28

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1059.923+/-0.180 χ^2/NDF:2487713.4/29

Out: 1062.769+/-0.180 χ^2/NDF:3140234.7/32

All: 1061.344+/-0.127 χ^2/NDF: 5628073.4/62



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 454.564+/-504.214 χ^2/NDF:12.0/14

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 143.032+/-511.100 χ^2/NDF:15.2/13

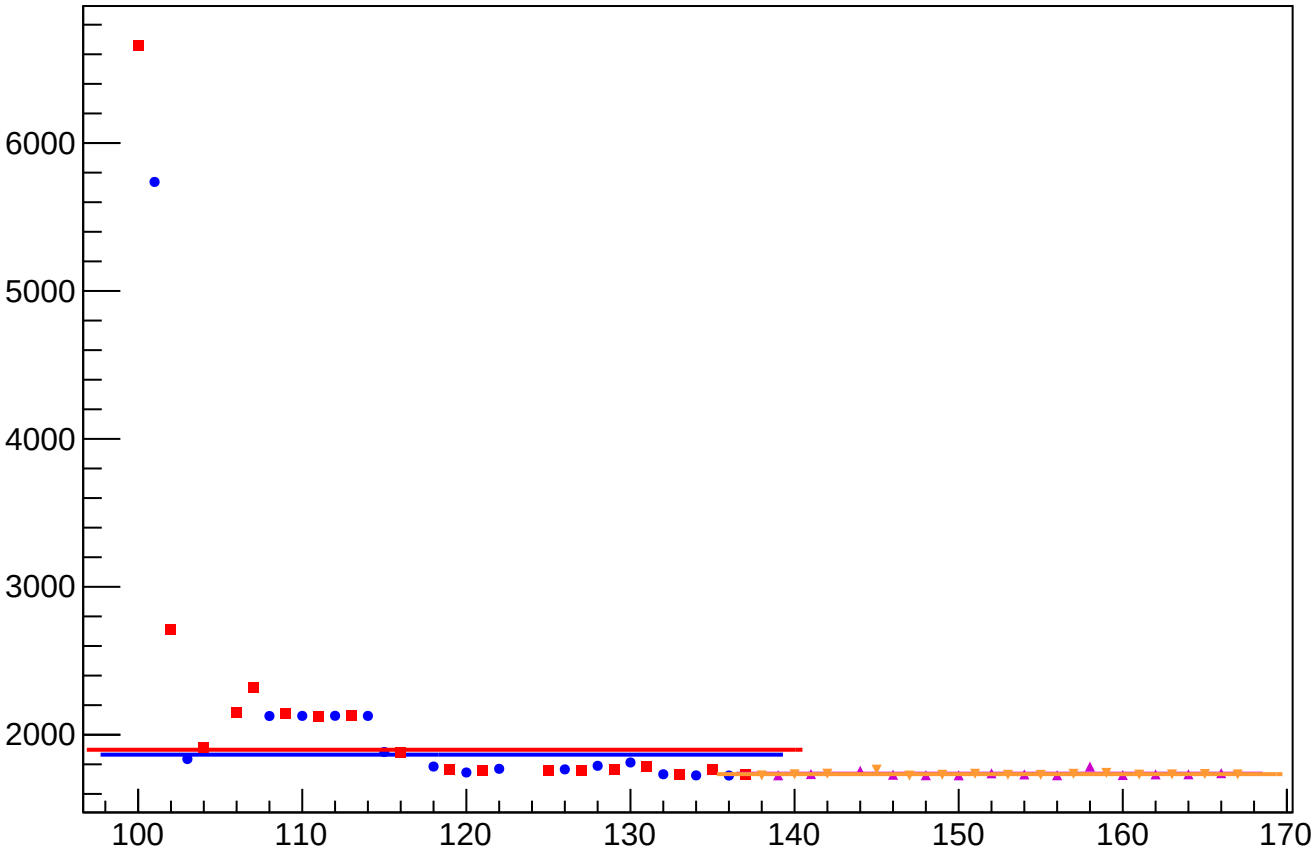
Left: 300.911+/-358.943 χ^2/NDF: 27.4/28

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 8.183+/-414.798 χ^2/NDF:31.0/29

Out: 472.999+/-412.144 χ^2/NDF:28.4/32

All: 242.082+/-292.364 χ^2/NDF: 60.1/62



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.708+/-0.357 χ^2/NDF:665.4/14

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1736.787+/-0.361 χ^2/NDF:1902.0/13

Left: 1735.226+/-0.254 χ^2/NDF: 2604.2/28

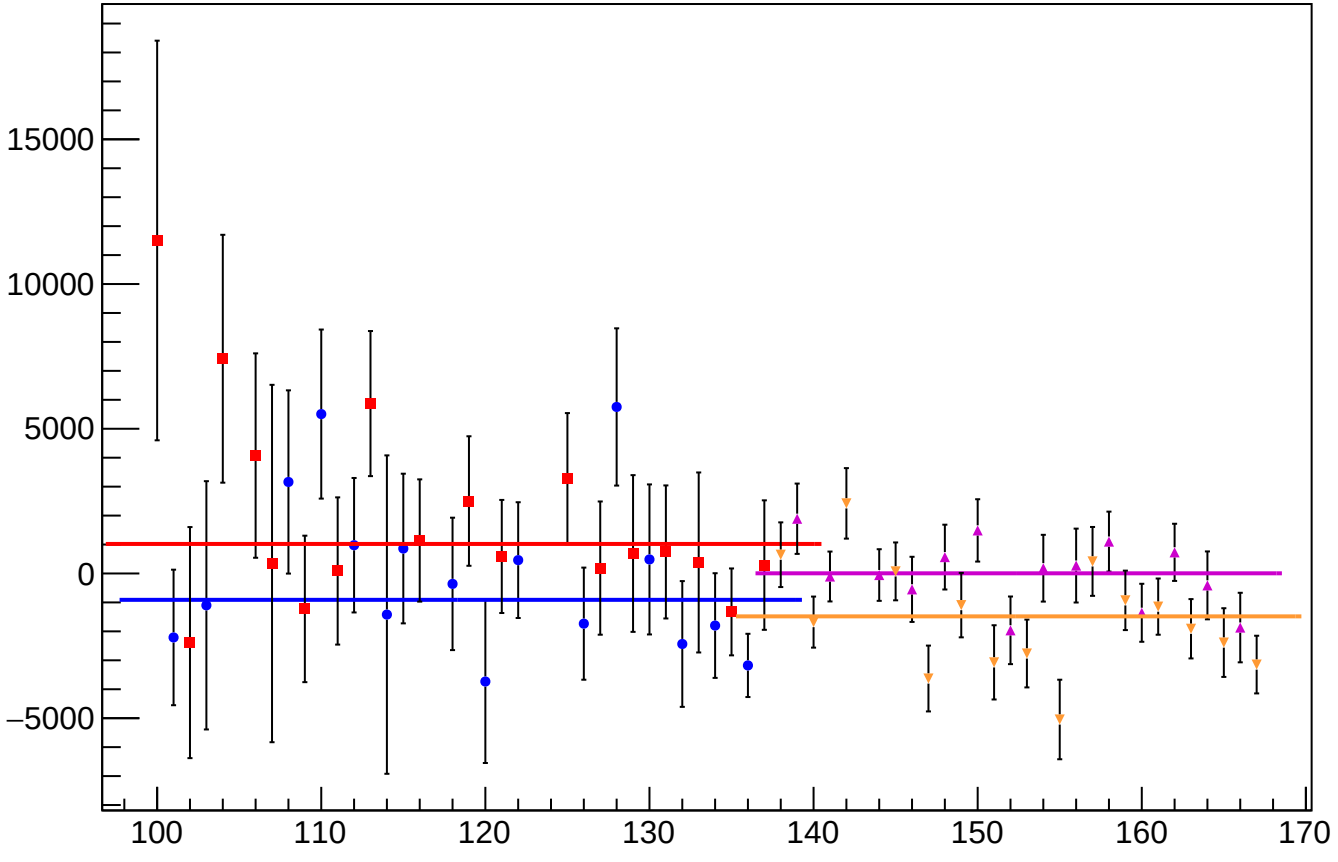
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1780.701+/-0.293 χ^2/NDF:720147.8/29

Out: 1788.430+/-0.291 χ^2/NDF:340760.1/32

All: 1784.590+/-0.207 χ^2/NDF: 1061257.2/62

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1482.094+/-281.830 χ^2/NDF:36.0/14

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 5.670+/-286.244 χ^2/NDF:13.8/13

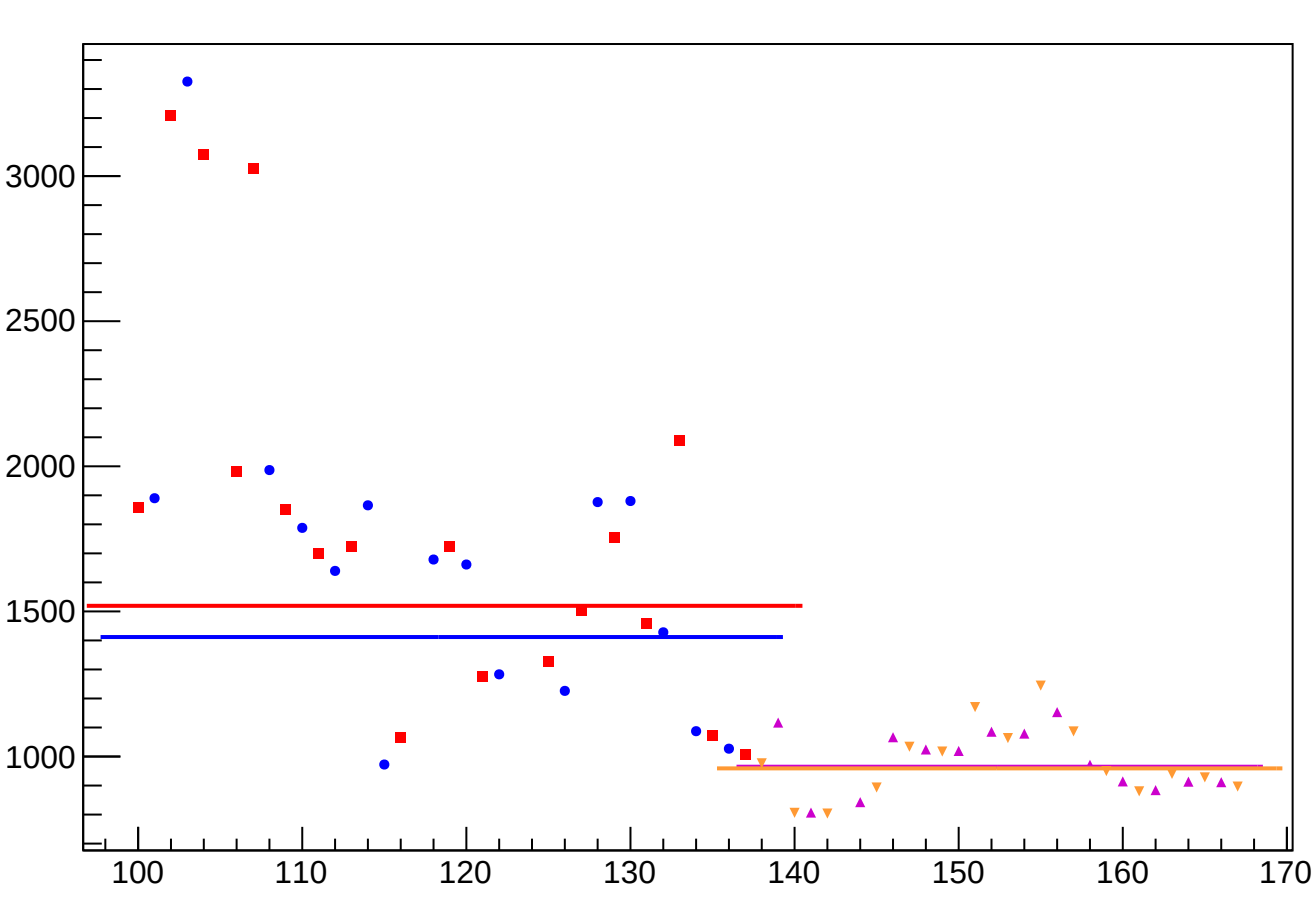
Left: -749.771+/-200.826 χ^2/NDF: 63.5/28

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -189.225+/-253.996 χ^2/NDF:37.0/29

Out: -1019.267+/-254.434 χ^2/NDF:65.5/32

All: -603.532+/-179.757 χ^2/NDF: 107.8/62


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
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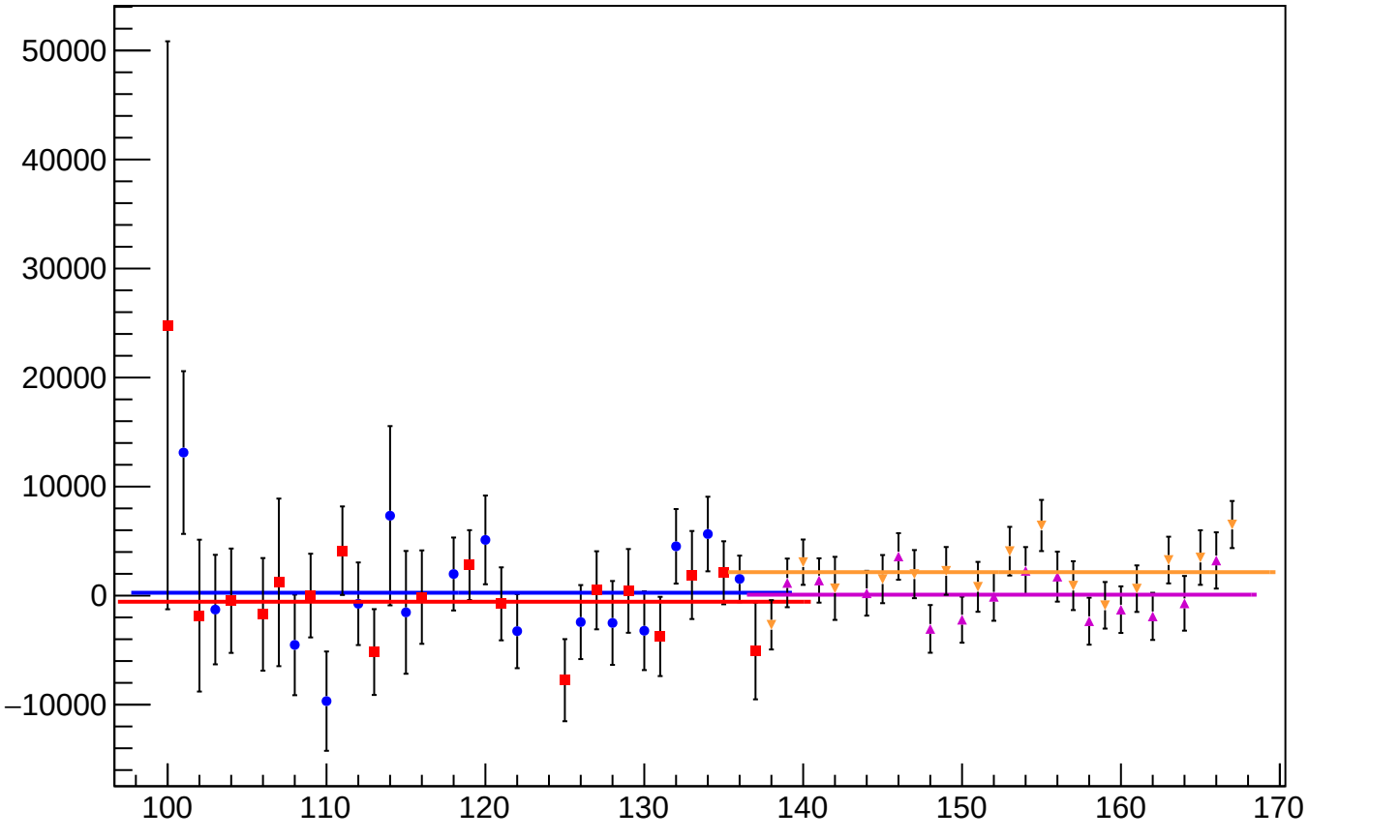
120
130
140
150
160
170
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 959.161+/-0.199 χ²/NDF:318769.1/14
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 964.917+/-0.202 χ²/NDF:273748.1/13
Left: 961.994+/-0.142 χ²/NDF: 592927.8/28
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1059.923+/-0.180 χ²/NDF:2487711.2/29
Out: 1062.768+/-0.180 χ²/NDF:3140240.9/32
All: 1061.343+/-0.127 χ²/NDF: 5628077.4/62



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 2152.161+/-580.499 χ^2/NDF:17.0/14

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 85.706+/-587.592 χ^2/NDF:12.2/13

Left: 1131.481+/-412.960 χ^2/NDF: 35.5/28

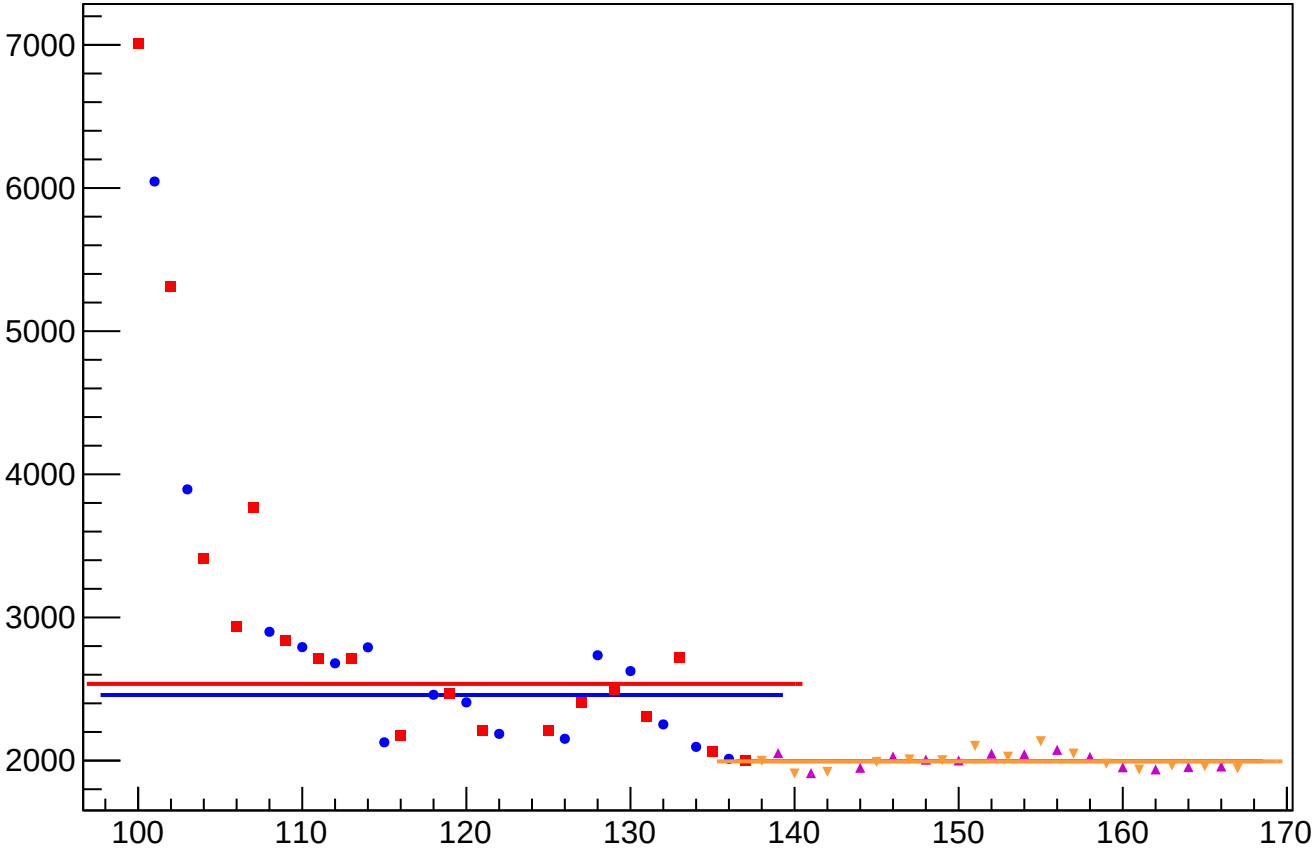
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 135.755+/-498.549 χ^2/NDF:31.3/29

Out: 1428.986+/-497.150 χ^2/NDF:34.6/32

All: 784.188+/-352.032 χ^2/NDF: 69.2/62

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1994.778+/-0.410 χ^2/NDF:21285.4/14

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1995.907+/-0.415 χ^2/NDF:14207.1/13

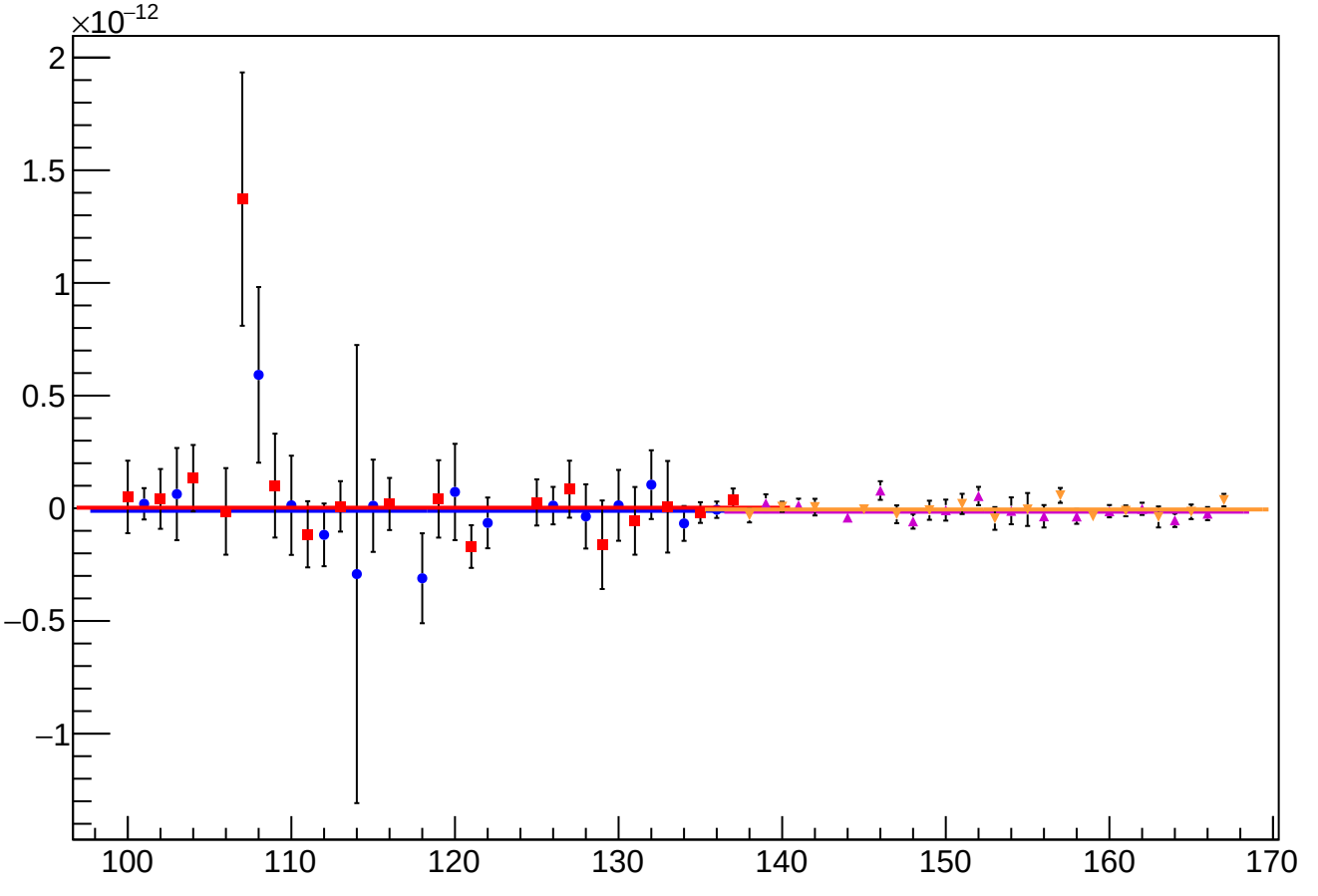
Left: 1995.335+/-0.292 χ^2/NDF: 35496.2/28

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2125.438+/-0.353 χ^2/NDF:1194067.5/29

Out: 2138.982+/-0.352 χ^2/NDF:1157648.7/32

All: 2132.229+/-0.249 χ^2/NDF: 2352456.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/13

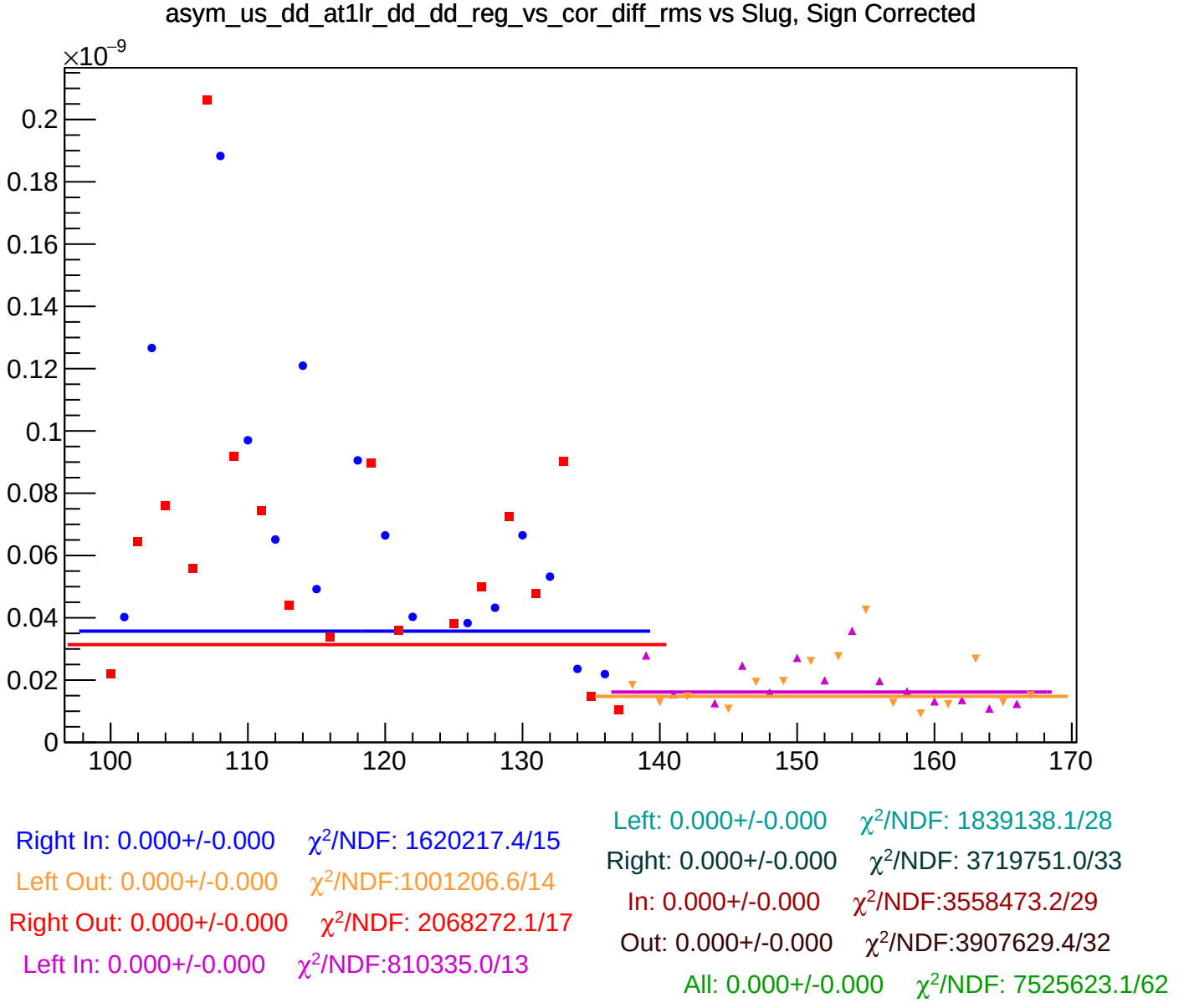
Left: -0.000+/-0.000 χ^2/NDF: 27.0/28

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:23.0/29

Out: -0.000+/-0.000 χ^2/NDF:24.0/32

All: -0.000+/-0.000 χ^2/NDF: 47.8/62


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
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0.06
0.04
0.02
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100
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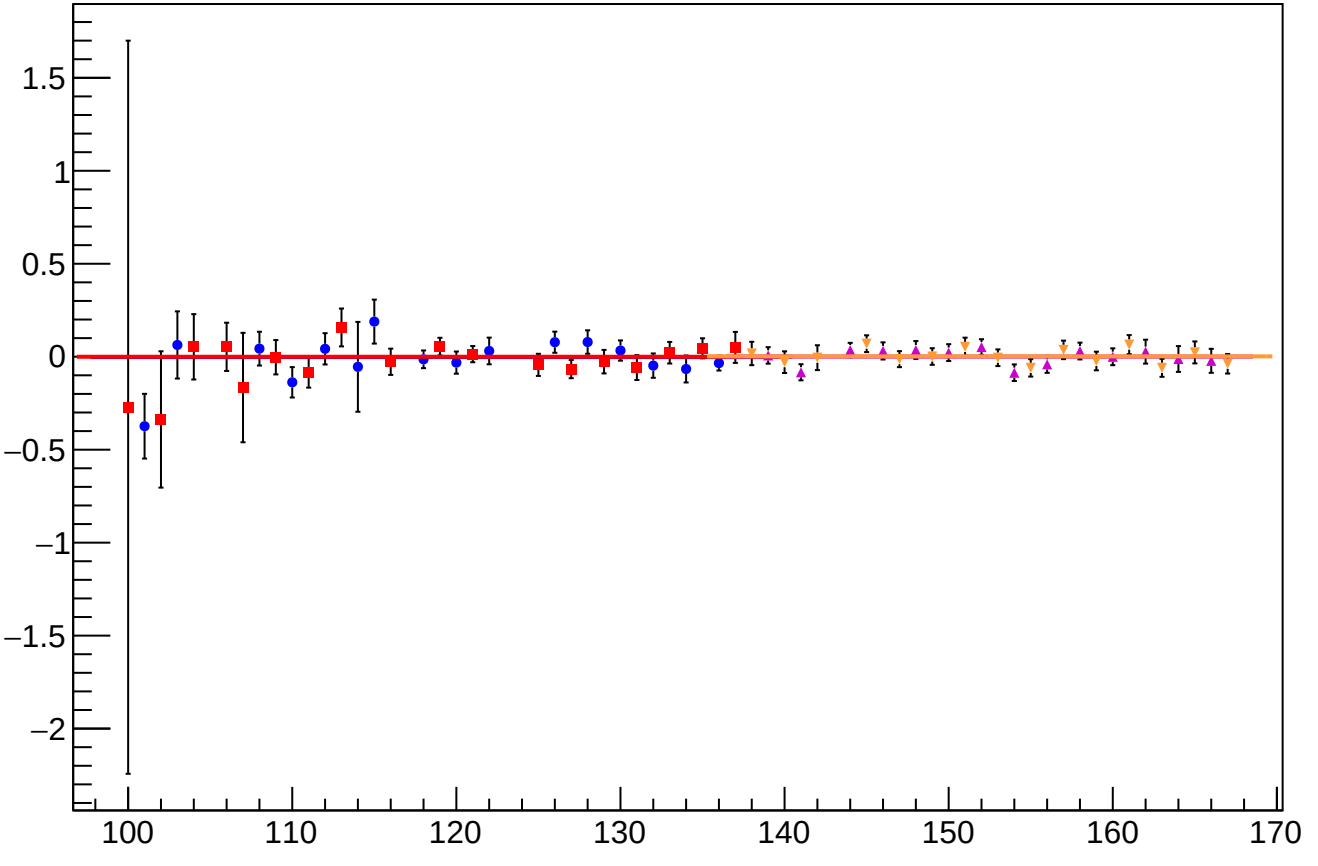
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1001206.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:810335.0/13
Left: 0.000+/-0.000 χ²/NDF: 1839138.1/28
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:3558473.2/29
Out: 0.000+/-0.000 χ²/NDF:3907629.4/32
All: 0.000+/-0.000 χ²/NDF: 7525623.1/62

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.002+/-0.013 χ^2/NDF:10.2/14

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.7/13

Left: 0.001+/-0.009 χ^2/NDF: 22.8/28

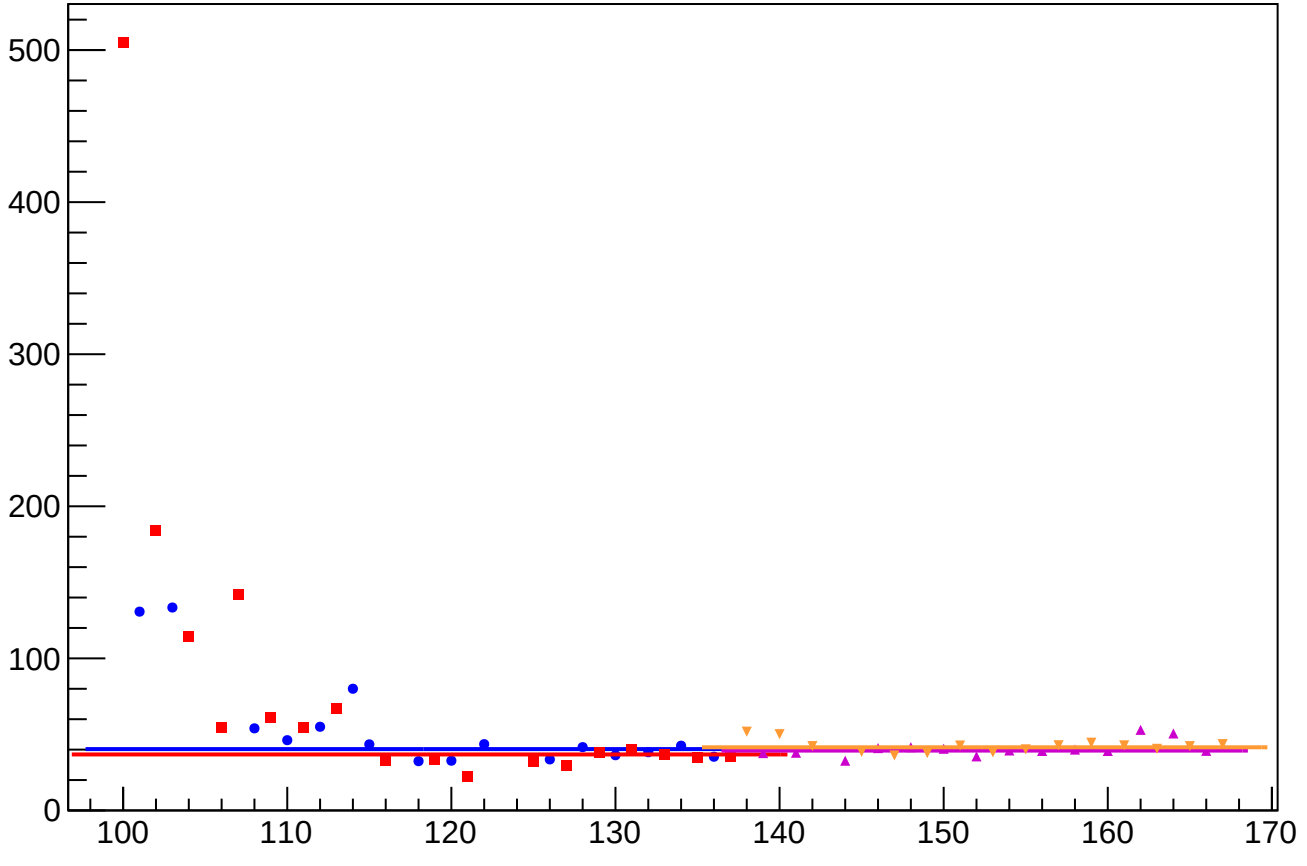
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.010 χ^2/NDF:29.8/29

Out: 0.001+/-0.010 χ^2/NDF:21.1/32

All: 0.000+/-0.007 χ^2/NDF: 50.9/62

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.530+/-0.009 χ^2/NDF:179007.2/14

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.365+/-0.009 χ^2/NDF:231243.4/13

Left: 40.414+/-0.006 χ^2/NDF: 438838.8/28

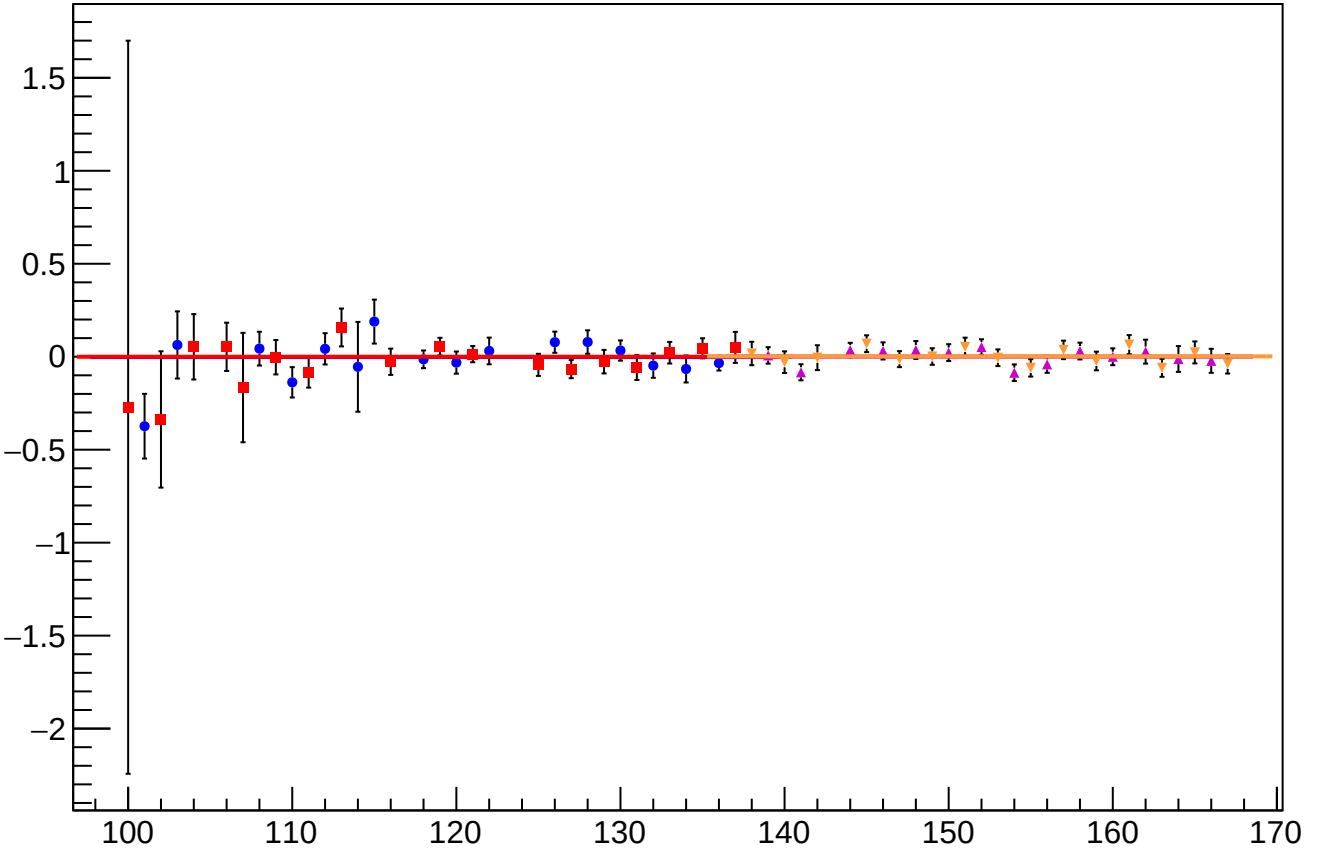
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.713+/-0.007 χ^2/NDF:1645697.2/29

Out: 39.750+/-0.007 χ^2/NDF:2115251.6/32

All: 39.731+/-0.005 χ^2/NDF: 3760962.0/62

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.002+/-0.013 χ^2/NDF:10.2/14

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.7/13

Left: 0.001+/-0.009 χ^2/NDF: 22.8/28

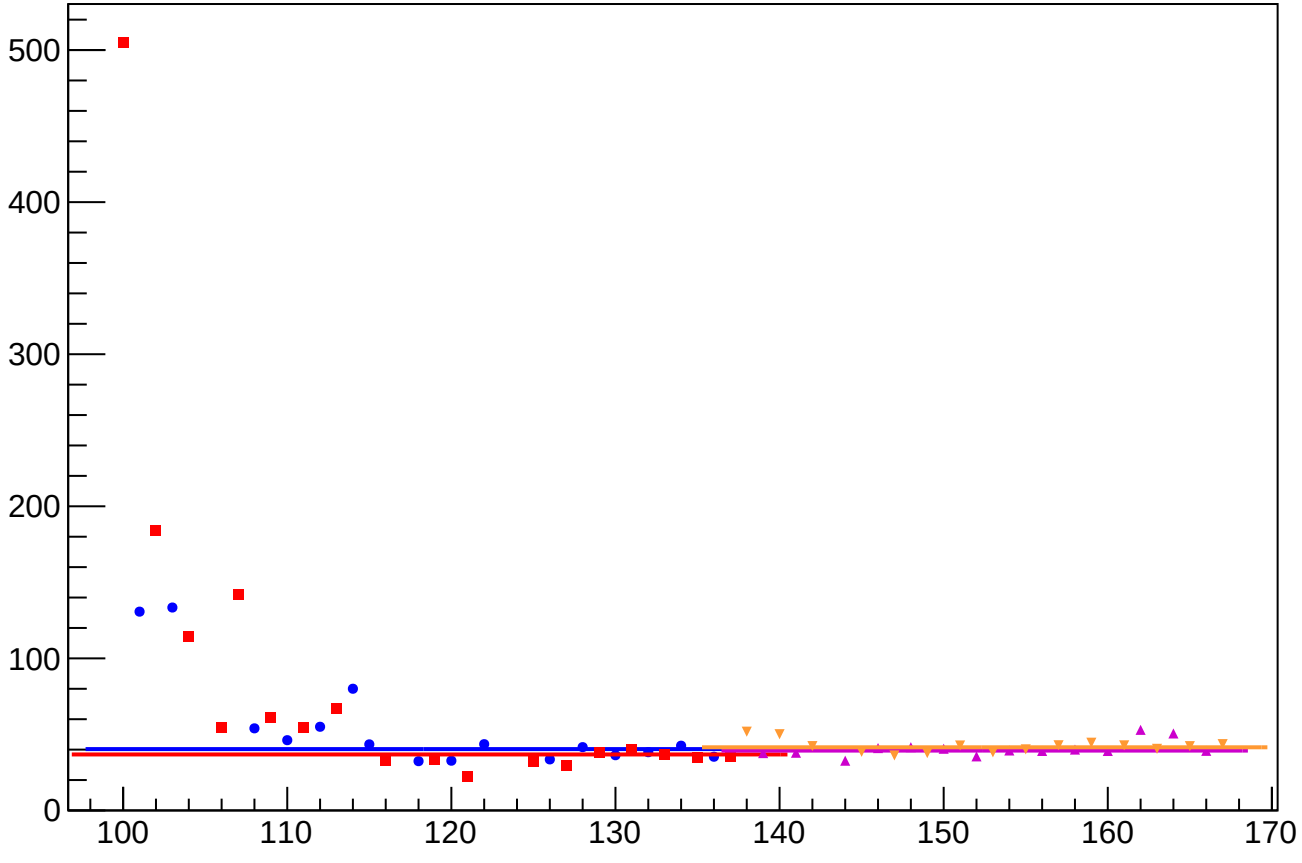
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.010 χ^2/NDF:29.8/29

Out: 0.001+/-0.010 χ^2/NDF:21.1/32

All: 0.000+/-0.007 χ^2/NDF: 50.9/62

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.530+/-0.009 χ^2/NDF:179007.2/14

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.365+/-0.009 χ^2/NDF:231243.4/13

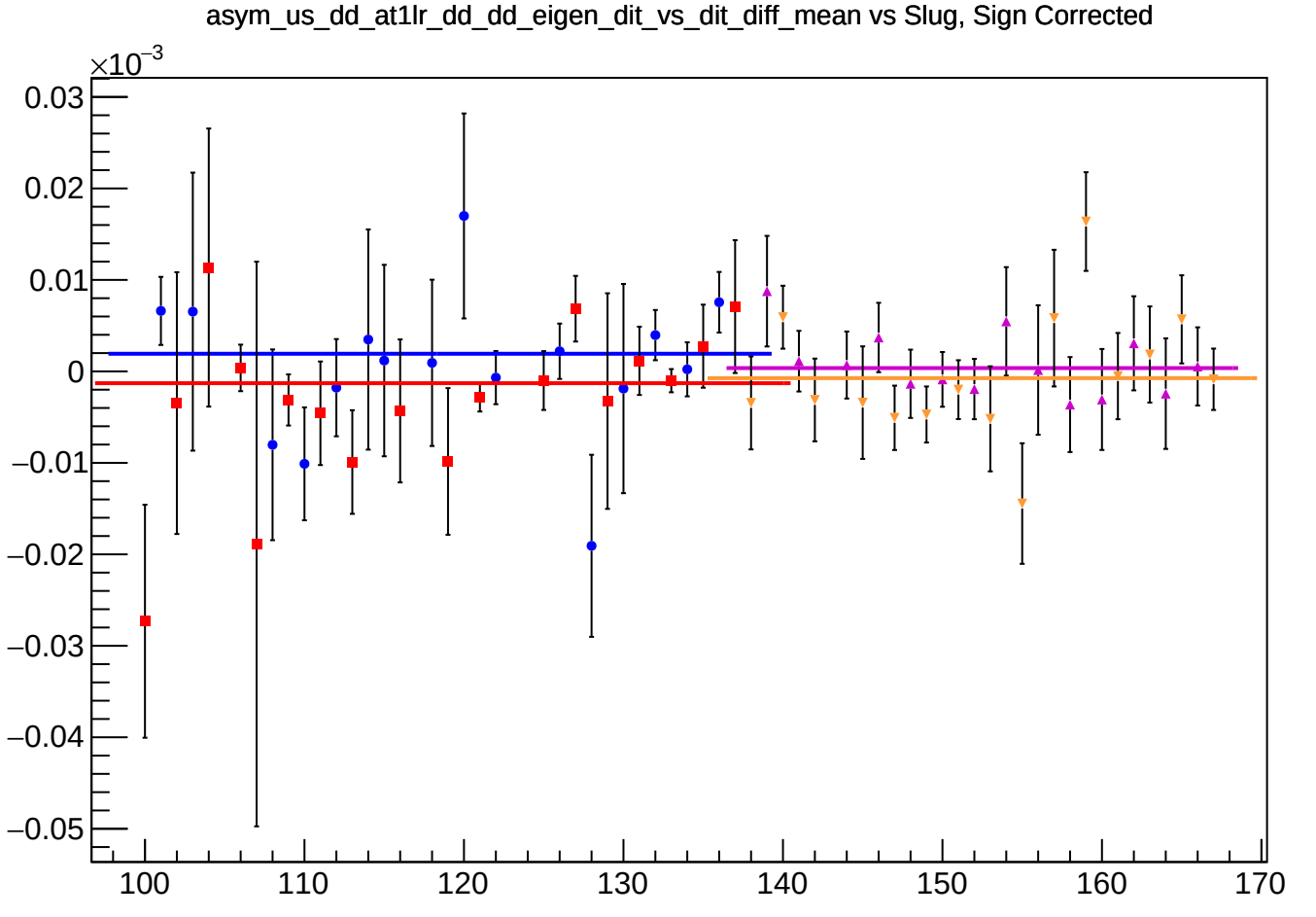
Left: 40.414+/-0.006 χ^2/NDF: 438838.8/28

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

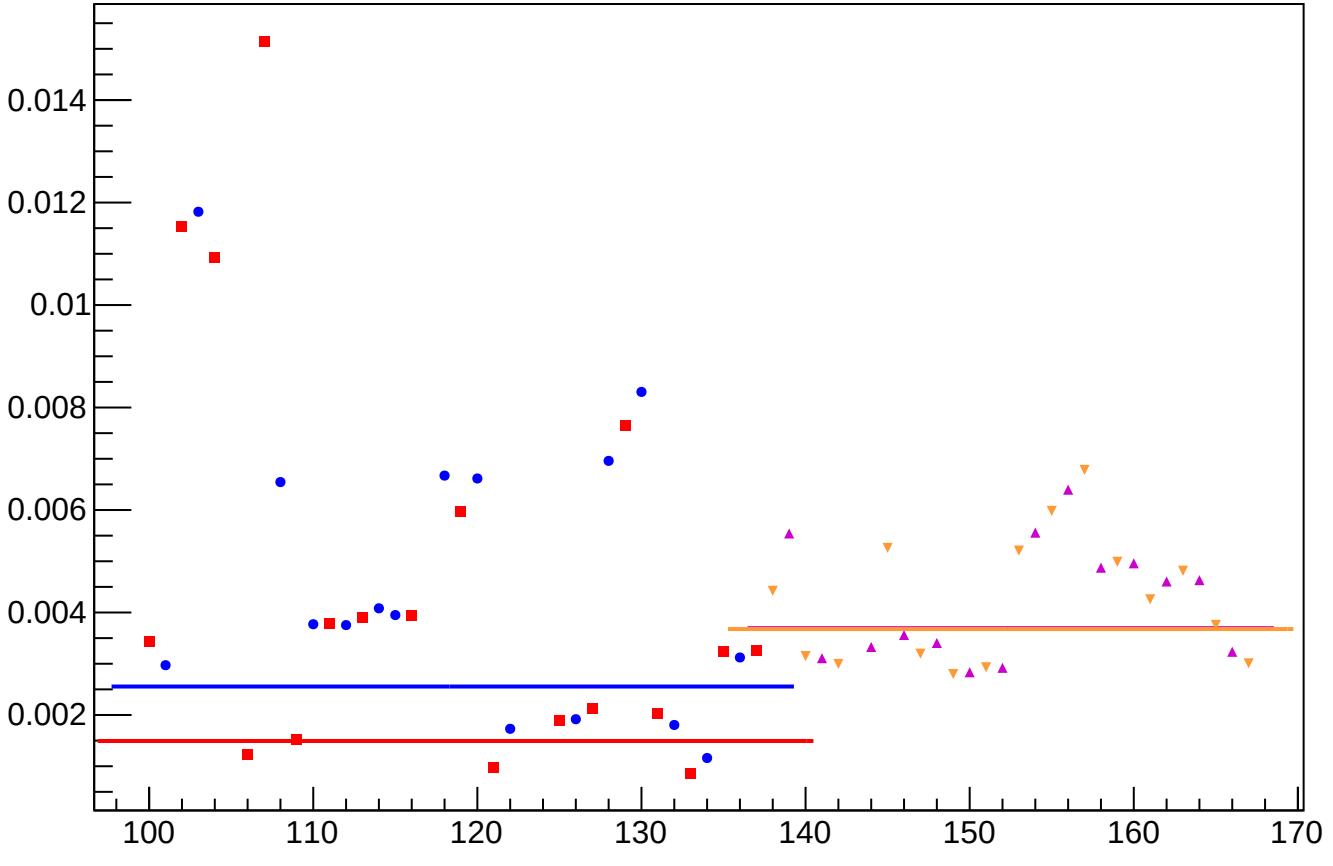
In: 39.713+/-0.007 χ^2/NDF:1645697.2/29

Out: 39.750+/-0.007 χ^2/NDF:2115251.6/32

All: 39.731+/-0.005 χ^2/NDF: 3760962.0/62


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:25.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:5.8/13
Left: -0.000+/-0.000 χ²/NDF: 32.0/28
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:24.7/29
Out: -0.000+/-0.000 χ²/NDF:44.7/32
All: -0.000+/-0.000 χ²/NDF: 74.3/62

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:1632301.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1390787.1/13

Left: 0.004+/-0.000 χ^2/NDF: 3023329.5/28

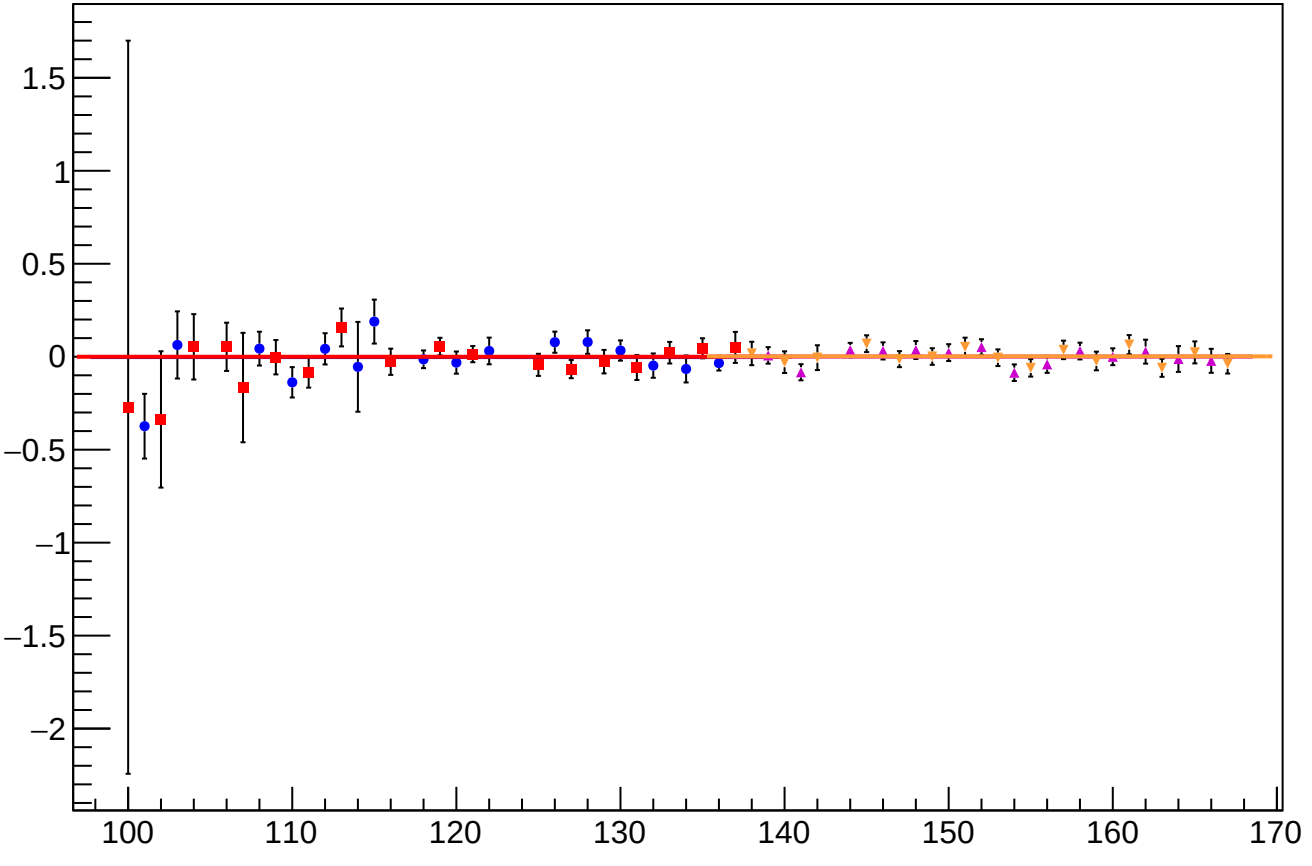
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6174196.8/29

Out: 0.002+/-0.000 χ^2/NDF:12457120.7/32

All: 0.003+/-0.000 χ^2/NDF: 20389733.9/62

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.002+/-0.013 χ^2/NDF:10.2/14

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.7/13

Left: 0.001+/-0.009 χ^2/NDF: 22.8/28

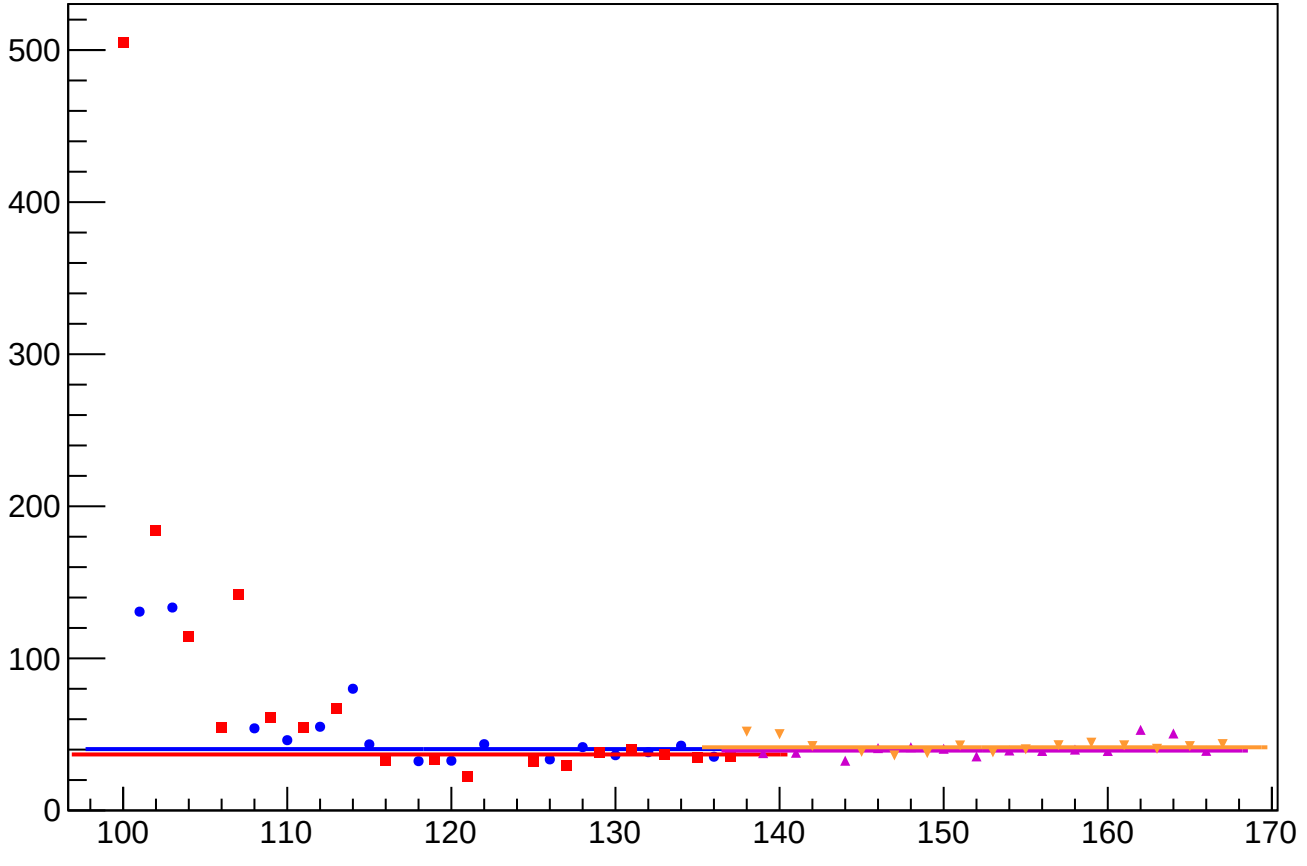
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.010 χ^2/NDF:29.8/29

Out: 0.001+/-0.010 χ^2/NDF:21.1/32

All: 0.000+/-0.007 χ^2/NDF: 50.9/62

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.530+/-0.009 χ^2/NDF:179007.0/14

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.365+/-0.009 χ^2/NDF:231212.1/13

Left: 40.414+/-0.006 χ^2/NDF: 438805.1/28

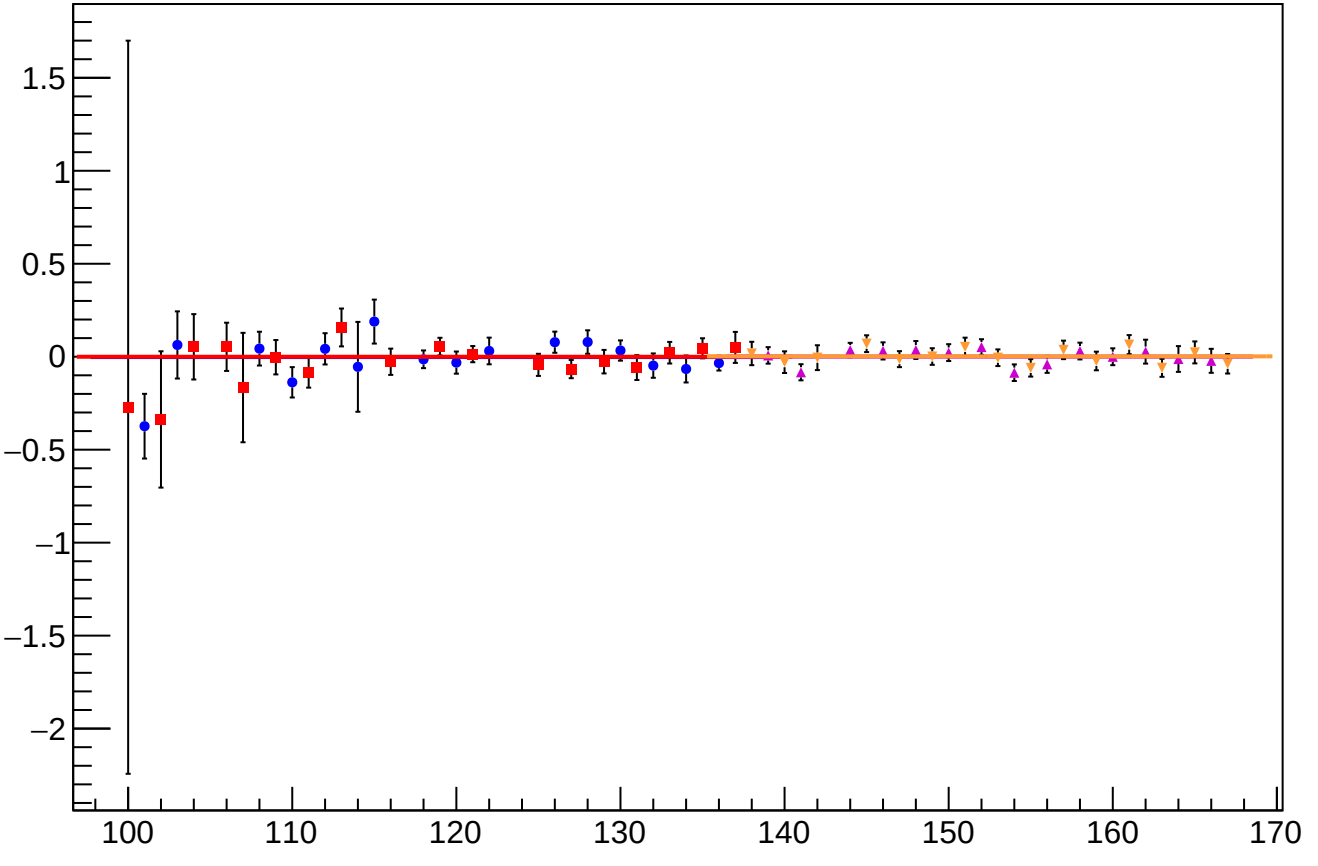
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.713+/-0.007 χ^2/NDF:1645570.3/29

Out: 39.750+/-0.007 χ^2/NDF:2115281.1/32

All: 39.731+/-0.005 χ^2/NDF: 3760864.1/62

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.002+/-0.013 χ^2/NDF:10.2/14

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.7/13

Left: 0.001+/-0.009 χ^2/NDF: 22.8/28

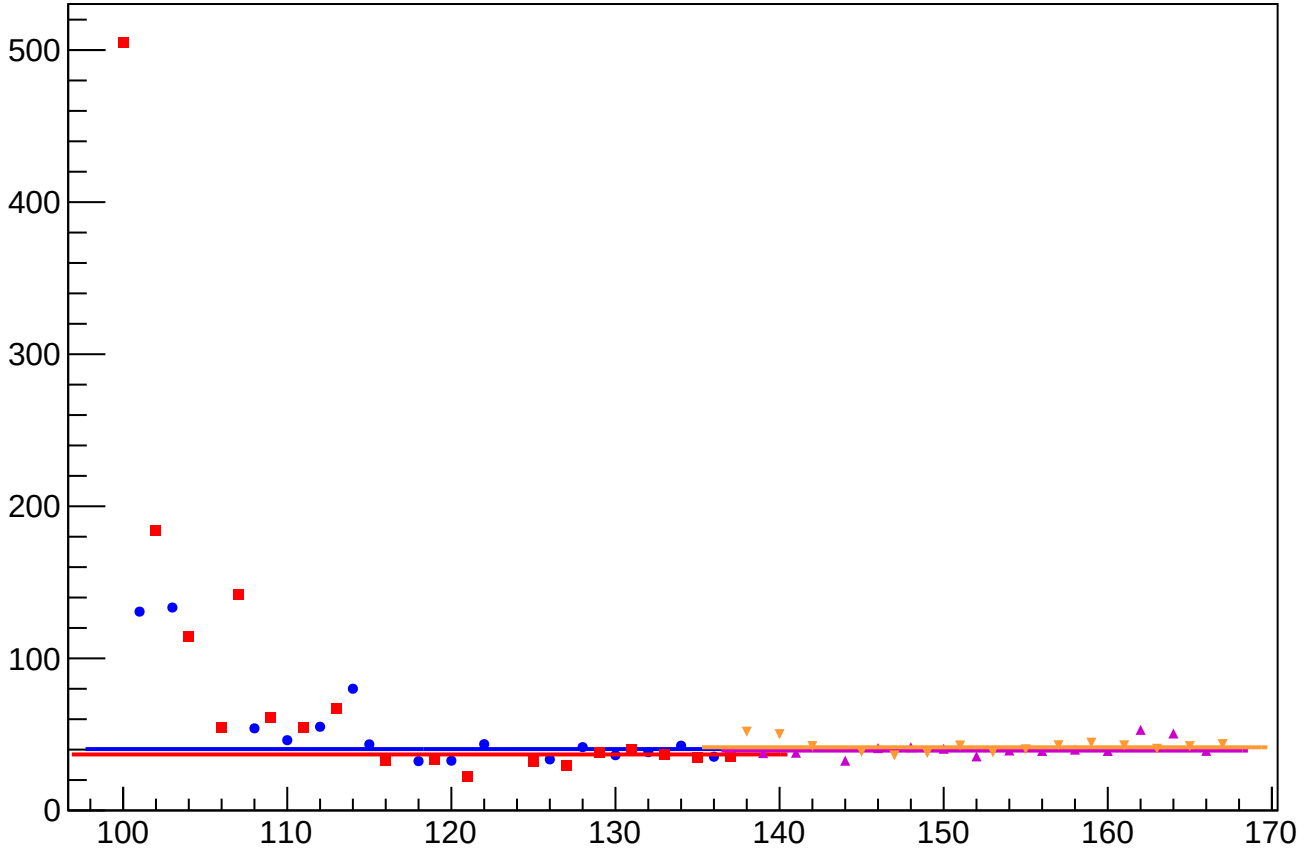
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.010 χ^2/NDF:29.8/29

Out: 0.001+/-0.010 χ^2/NDF:21.1/32

All: 0.000+/-0.007 χ^2/NDF: 50.9/62

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.530+/-0.009 χ^2/NDF:179007.0/14

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.365+/-0.009 χ^2/NDF:231212.1/13

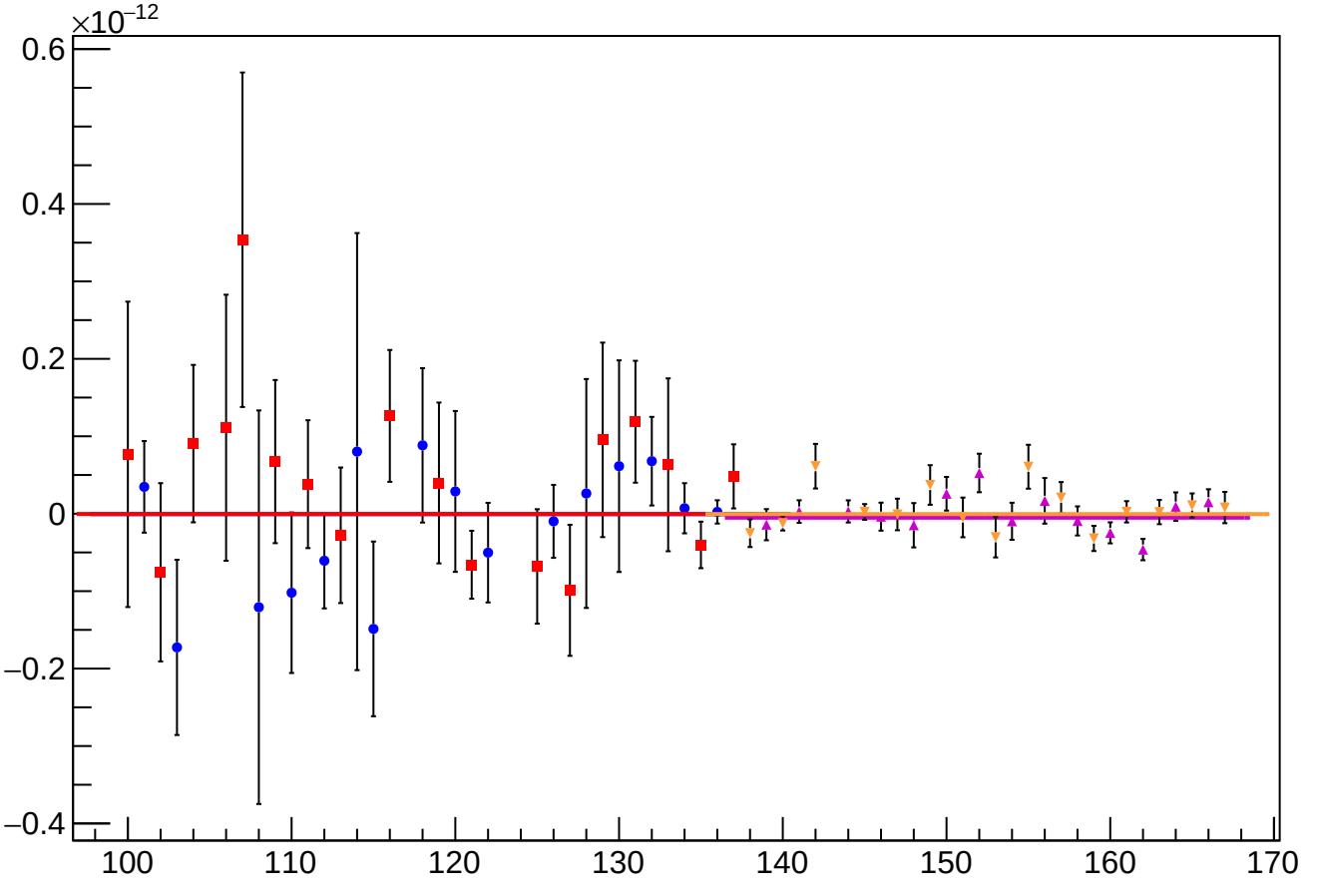
Left: 40.414+/-0.006 χ^2/NDF: 438805.1/28

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.713+/-0.007 χ^2/NDF:1645570.3/29

Out: 39.750+/-0.007 χ^2/NDF:2115281.1/32

All: 39.731+/-0.005 χ^2/NDF: 3760864.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:22.0/13

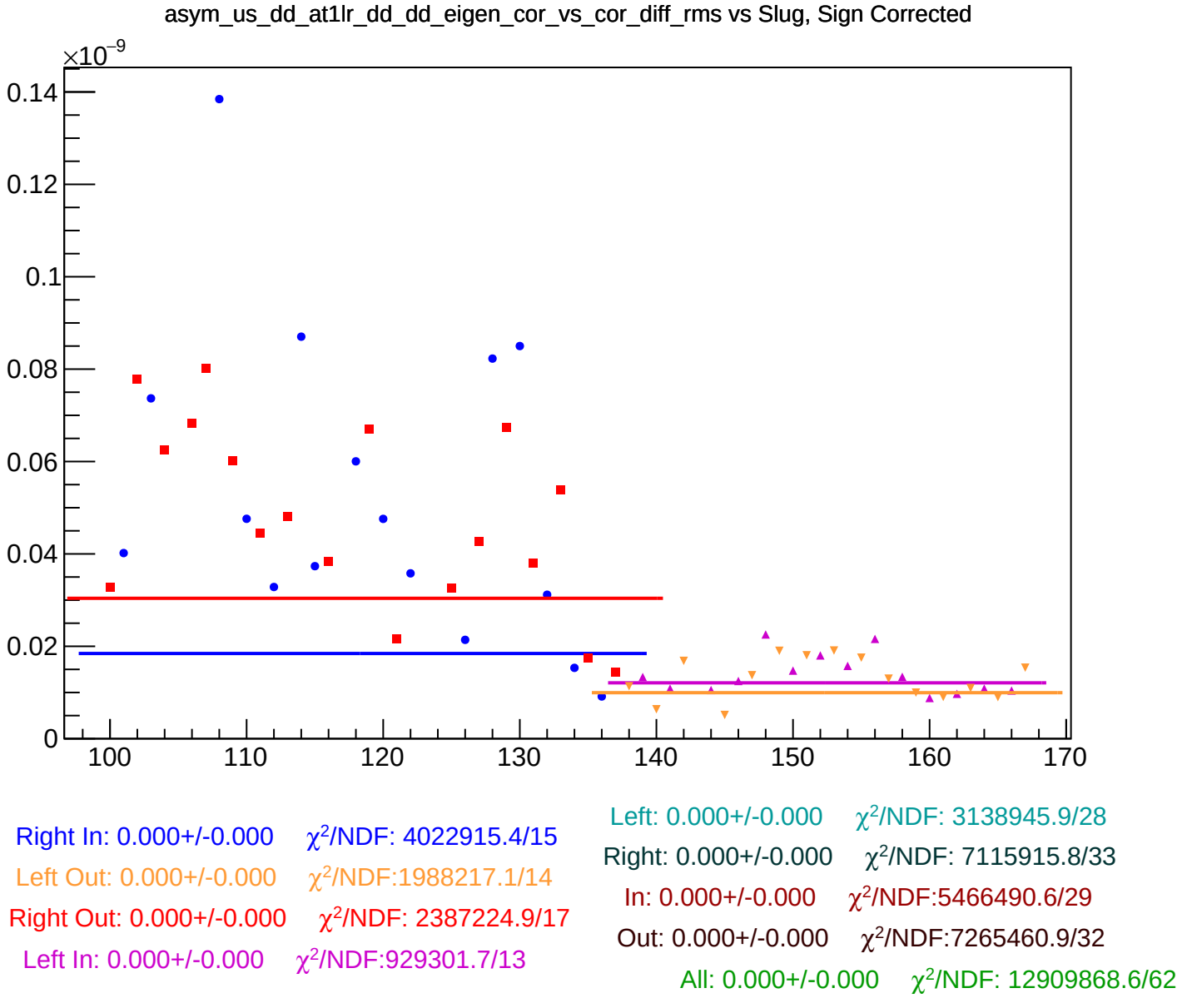
Left: -0.000+/-0.000 χ^2/NDF: 44.5/28

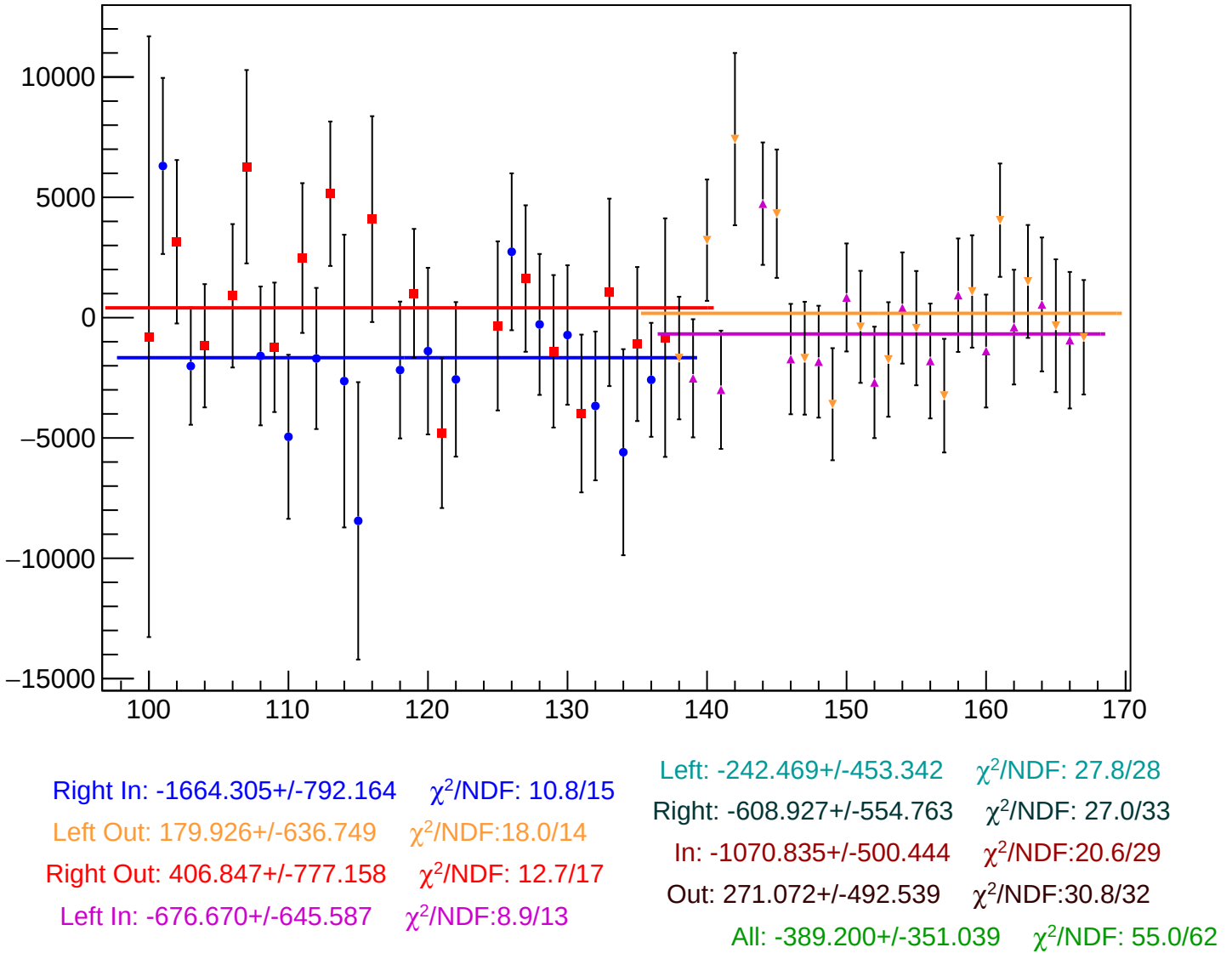
Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

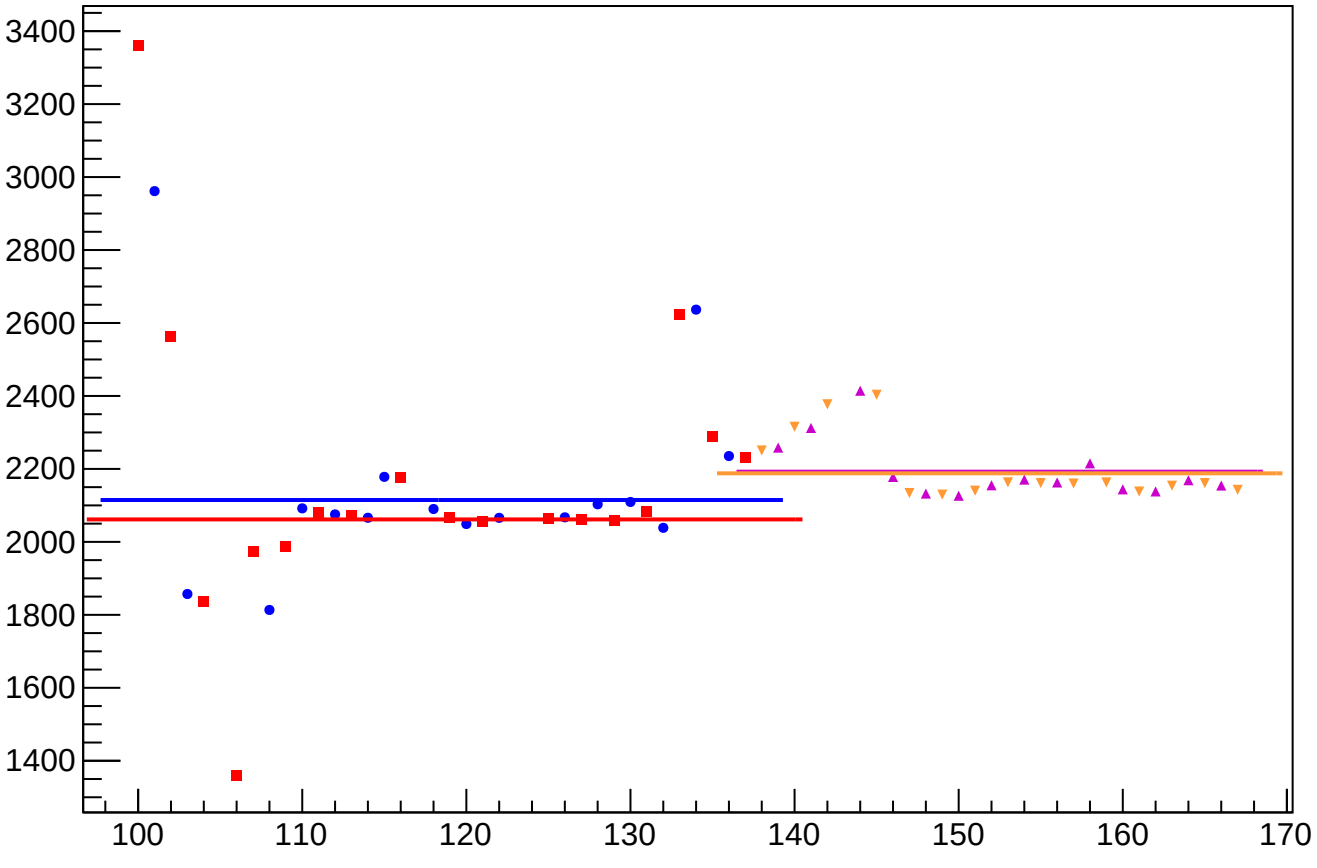
In: -0.000+/-0.000 χ^2/NDF:32.0/29

Out: -0.000+/-0.000 χ^2/NDF:40.3/32

All: -0.000+/-0.000 χ^2/NDF: 72.8/62


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4022915.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1988217.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 2387224.9/17
Left In: 0.000+/-0.000 χ²/NDF:929301.7/13
Left: 0.000+/-0.000 χ²/NDF: 3138945.9/28
Right: 0.000+/-0.000 χ²/NDF: 7115915.8/33
In: 0.000+/-0.000 χ²/NDF:5466490.6/29
Out: 0.000+/-0.000 χ²/NDF:7265460.9/32
All: 0.000+/-0.000 χ²/NDF: 12909868.6/62


reg_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1664.305+/-792.164 χ²/NDF: 10.8/15
Left Out: 179.926+/-636.749 χ²/NDF:18.0/14
Right Out: 406.847+/-777.158 χ²/NDF: 12.7/17
Left In: -676.670+/-645.587 χ²/NDF:8.9/13
Left: -242.469+/-453.342 χ²/NDF: 27.8/28
Right: -608.927+/-554.763 χ²/NDF: 27.0/33
In: -1070.835+/-500.444 χ²/NDF:20.6/29
Out: 271.072+/-492.539 χ²/NDF:30.8/32
All: -389.200+/-351.039 χ²/NDF: 55.0/62



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2187.927+/-0.450 χ^2/NDF:31302.5/14

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2192.445+/-0.456 χ^2/NDF:28110.9/13

Left: 2190.155+/-0.321 χ^2/NDF: 59463.1/28

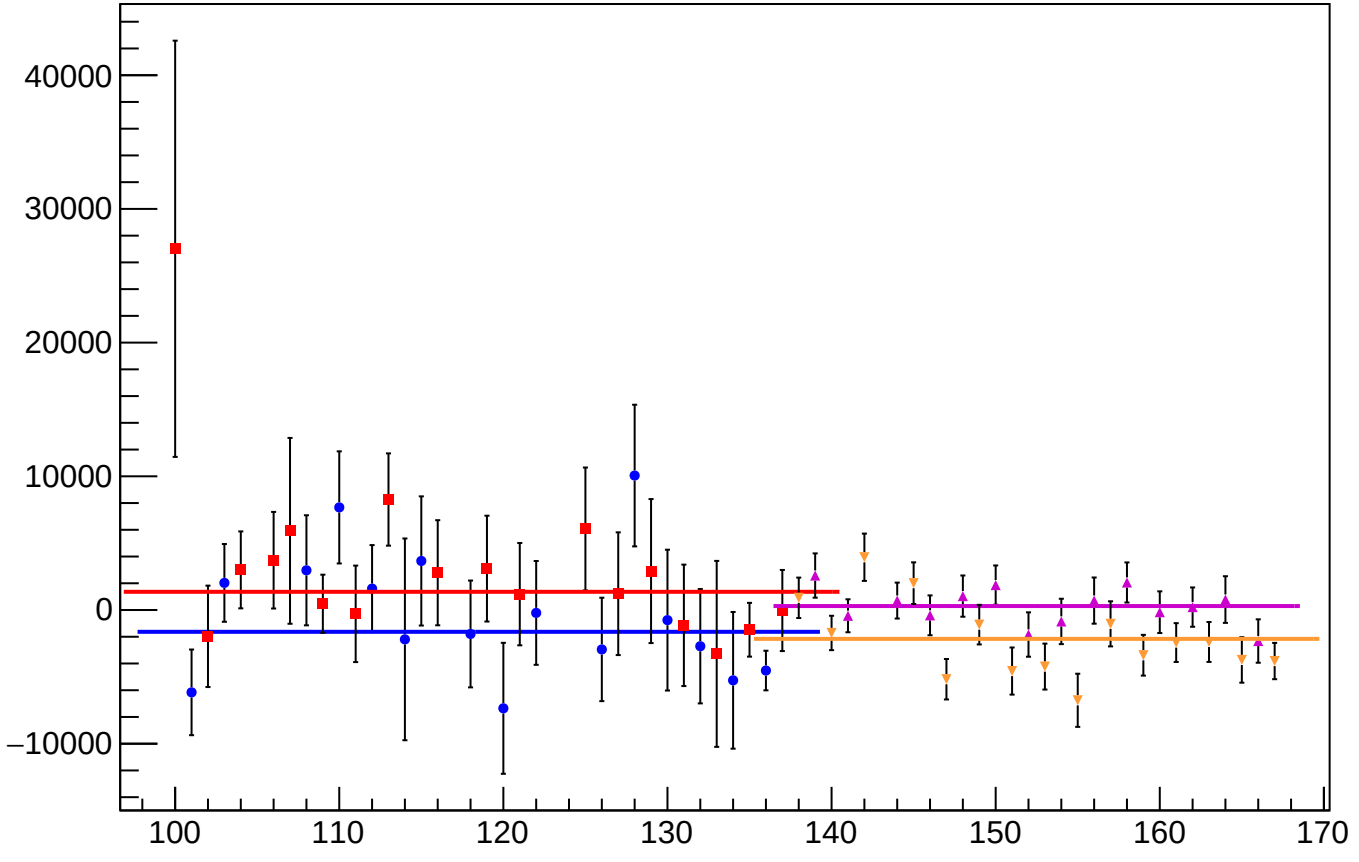
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2161.439+/-0.354 χ^2/NDF:229590.7/29

Out: 2137.170+/-0.348 χ^2/NDF:312128.5/32

All: 2149.111+/-0.248 χ^2/NDF: 544108.4/62

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -2159.124+/-402.444 χ^2/NDF:40.0/14

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 295.378+/-408.856 χ^2/NDF:10.2/13

Left: -951.271+/-286.811 χ^2/NDF: 68.5/28

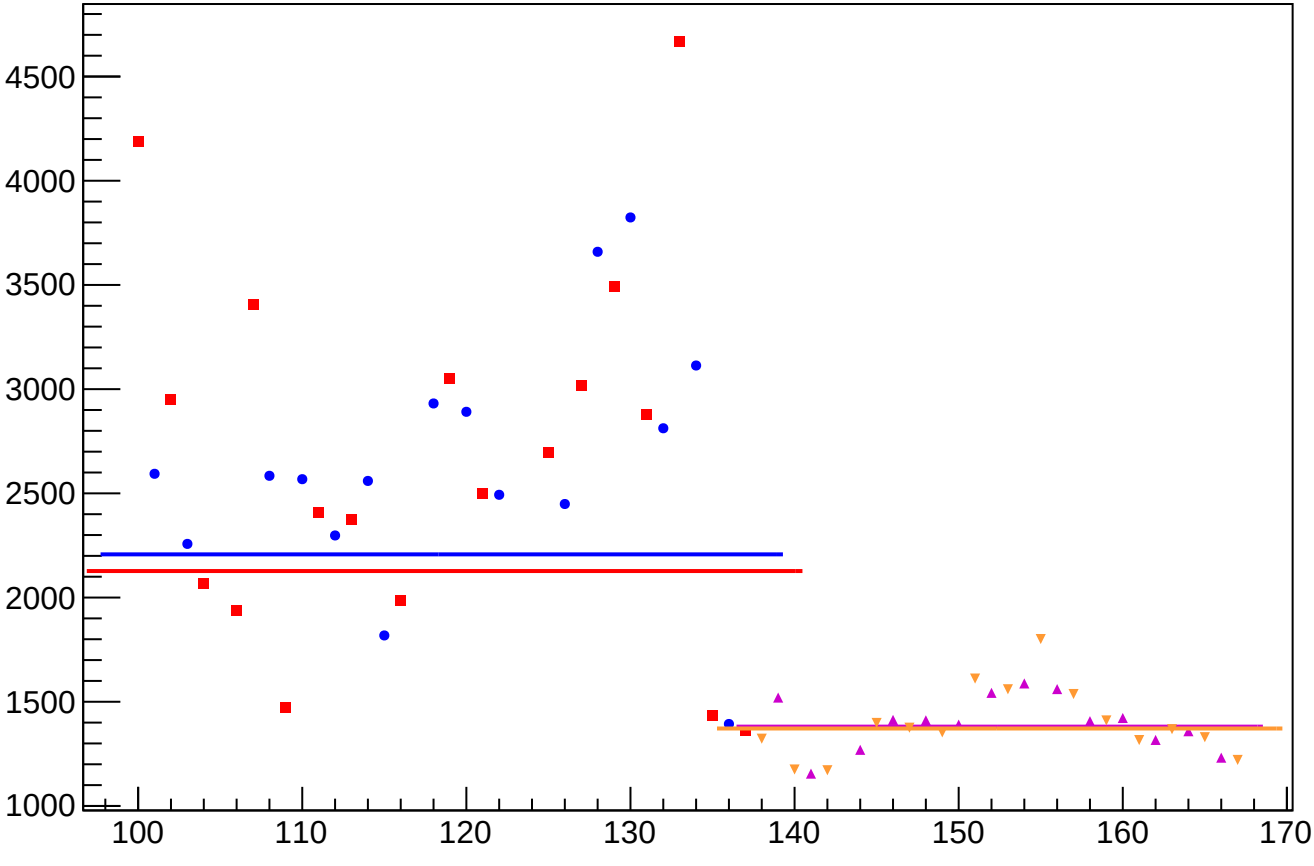
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -58.033+/-369.442 χ^2/NDF:37.2/29

Out: -1502.341+/-362.973 χ^2/NDF:67.7/32

All: -792.942+/-258.918 χ^2/NDF: 112.6/62

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1371.706+/-0.285 χ^2/NDF:279095.5/14

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1380.638+/-0.289 χ^2/NDF:190196.3/13

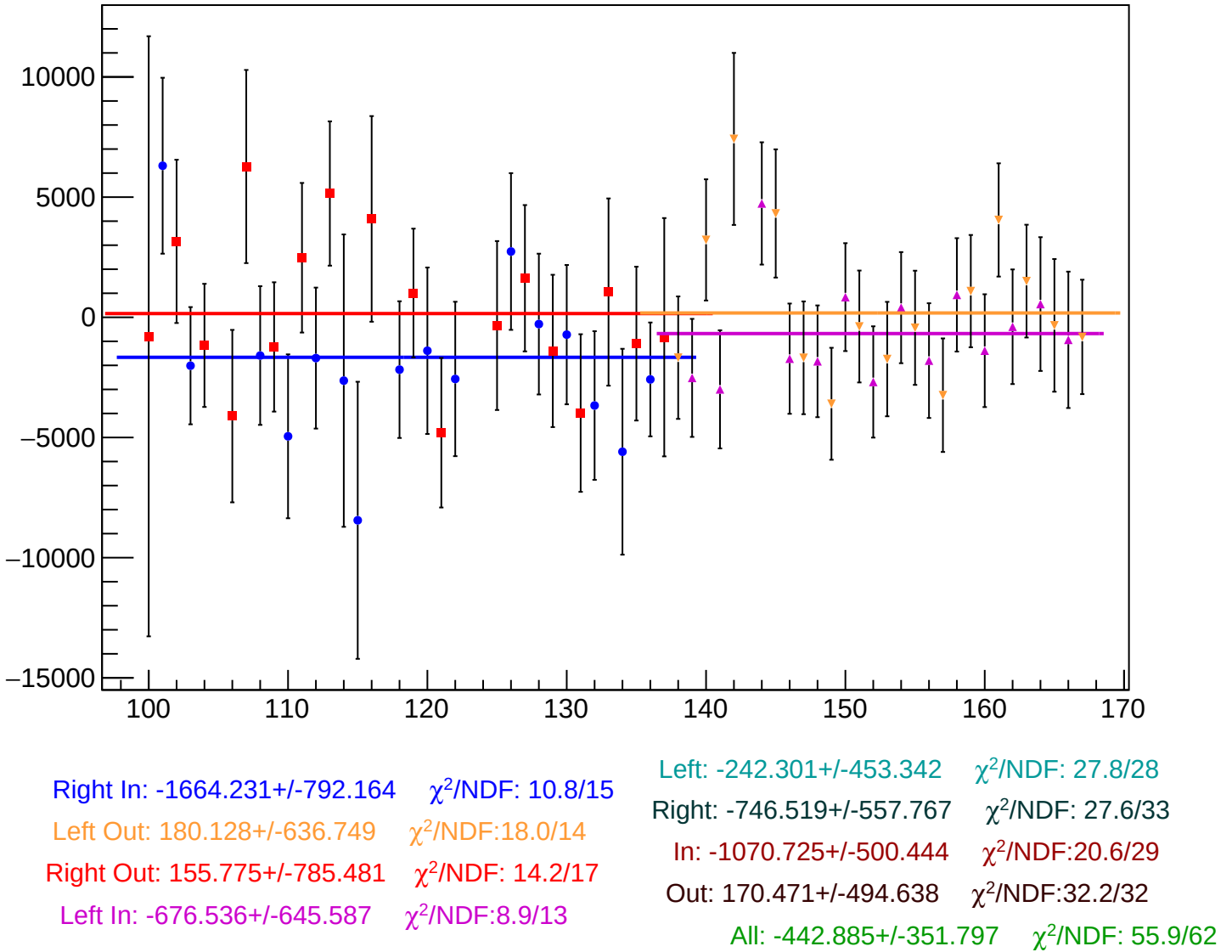
Left: 1376.102+/-0.203 χ^2/NDF: 469776.6/28

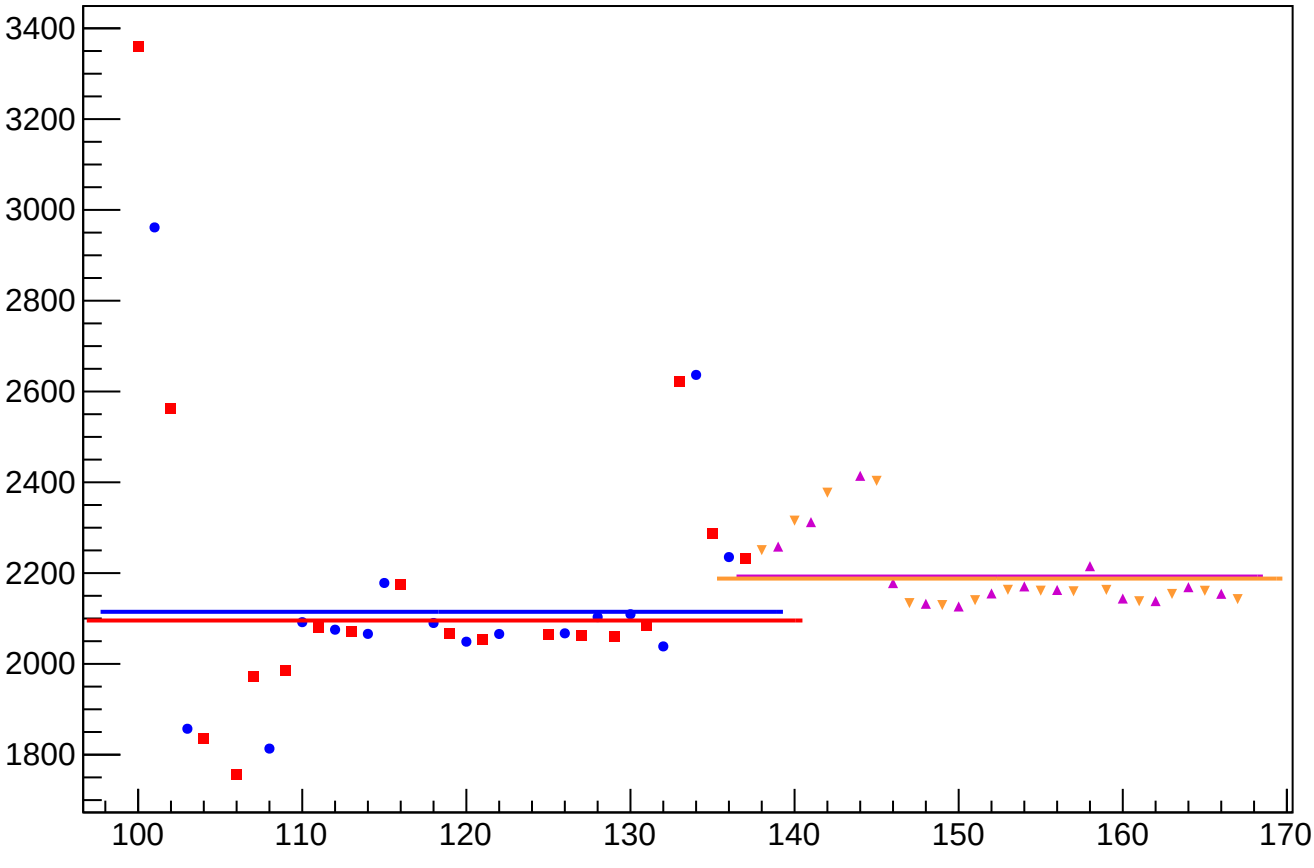
Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

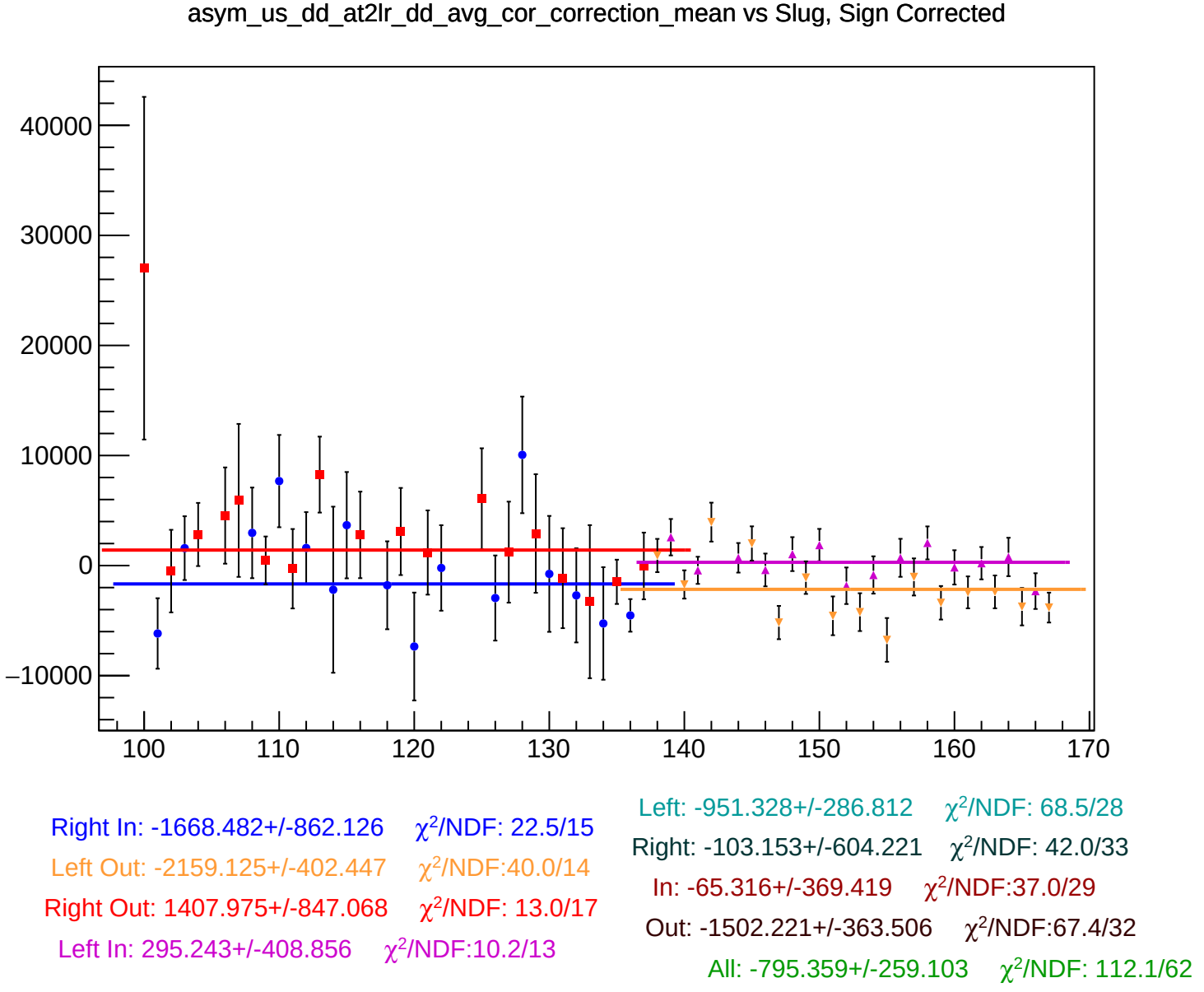
In: 1532.330+/-0.261 χ^2/NDF:2939679.5/29

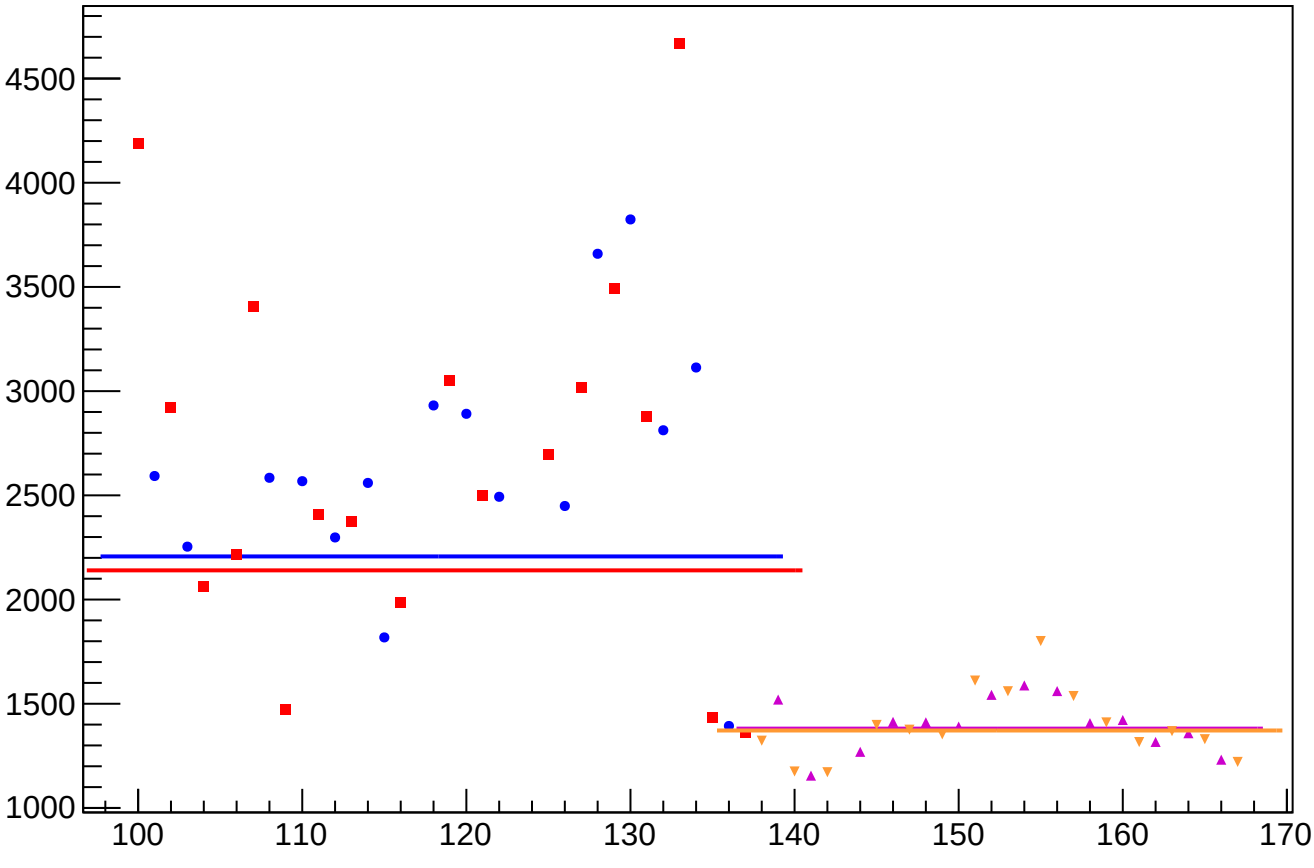
Out: 1512.636+/-0.257 χ^2/NDF:3051969.6/32

All: 1522.309+/-0.183 χ^2/NDF: 5994540.7/62


cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: 180.128+/-636.749 χ²/NDF:18.0/14
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -676.536+/-645.587 χ²/NDF:8.9/13
Left: -242.301+/-453.342 χ²/NDF: 27.8/28
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1070.725+/-500.444 χ²/NDF:20.6/29
Out: 170.471+/-494.638 χ²/NDF:32.2/32
All: -442.885+/-351.797 χ²/NDF: 55.9/62


cor_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
170
Right In: 2114.755+/-0.560 χ²/NDF: 189920.9/15
Left Out: 2187.927+/-0.450 χ²/NDF:31302.5/14
Right Out: 2095.597+/-0.555 χ²/NDF: 149360.5/17
Left In: 2192.445+/-0.456 χ²/NDF:28110.9/13
Left: 2190.155+/-0.321 χ²/NDF: 59463.1/28
Right: 2105.095+/-0.394 χ²/NDF: 339871.2/33
In: 2161.439+/-0.354 χ²/NDF:229591.1/29
Out: 2151.313+/-0.350 χ²/NDF:197338.8/32
All: 2156.317+/-0.249 χ²/NDF: 427344.1/62


asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -2159.125+/-402.447 χ²/NDF:40.0/14
Right Out: 1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: 295.243+/-408.856 χ²/NDF:10.2/13
Left: -951.328+/-286.812 χ²/NDF: 68.5/28
Right: -103.153+/-604.221 χ²/NDF: 42.0/33
In: -65.316+/-369.419 χ²/NDF:37.0/29
Out: -1502.221+/-363.506 χ²/NDF:67.4/32
All: -795.359+/-259.103 χ²/NDF: 112.1/62



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1371.718+/-0.285 χ^2/NDF:279036.8/14

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1380.635+/-0.289 χ^2/NDF:190244.1/13

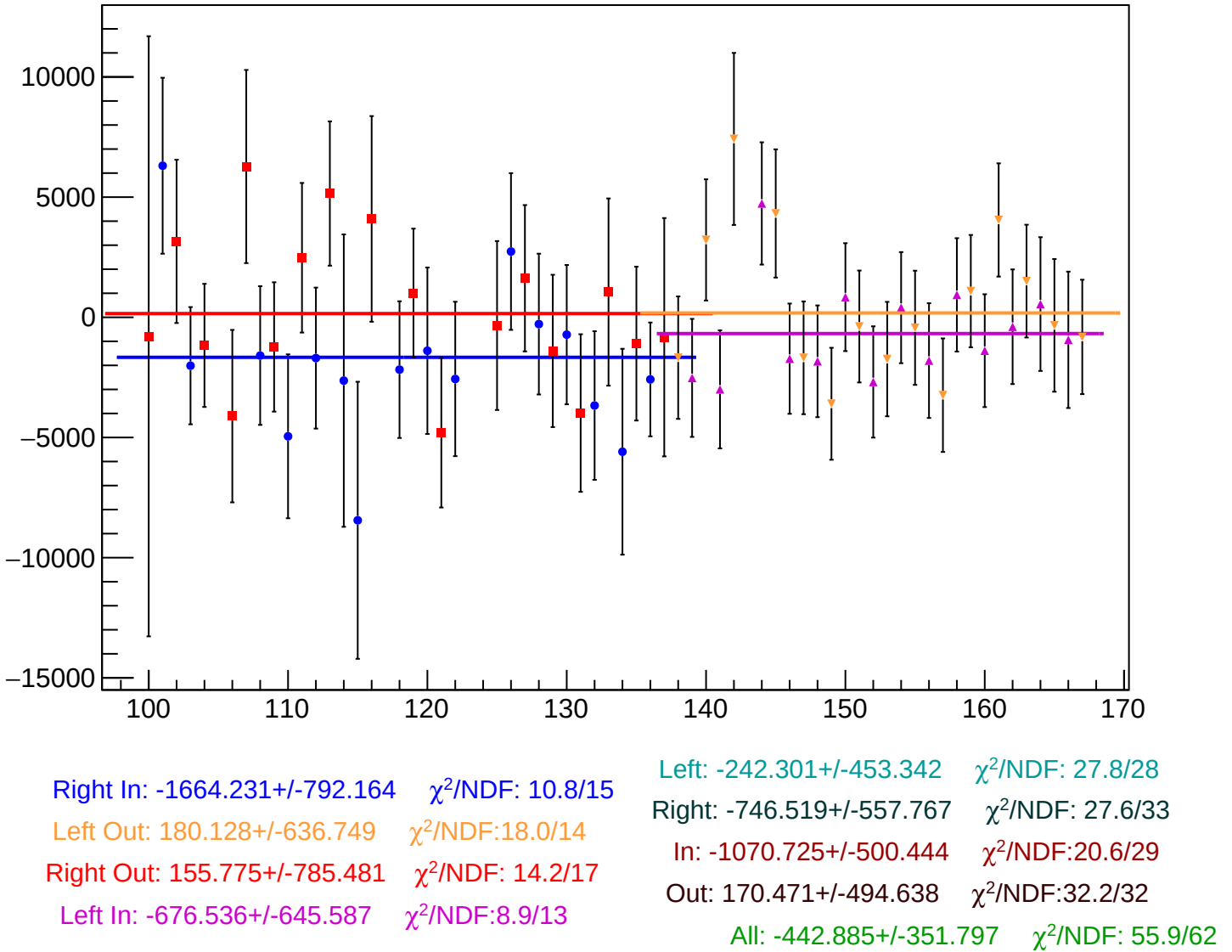
Left: 1376.106+/-0.203 χ^2/NDF: 469764.1/28

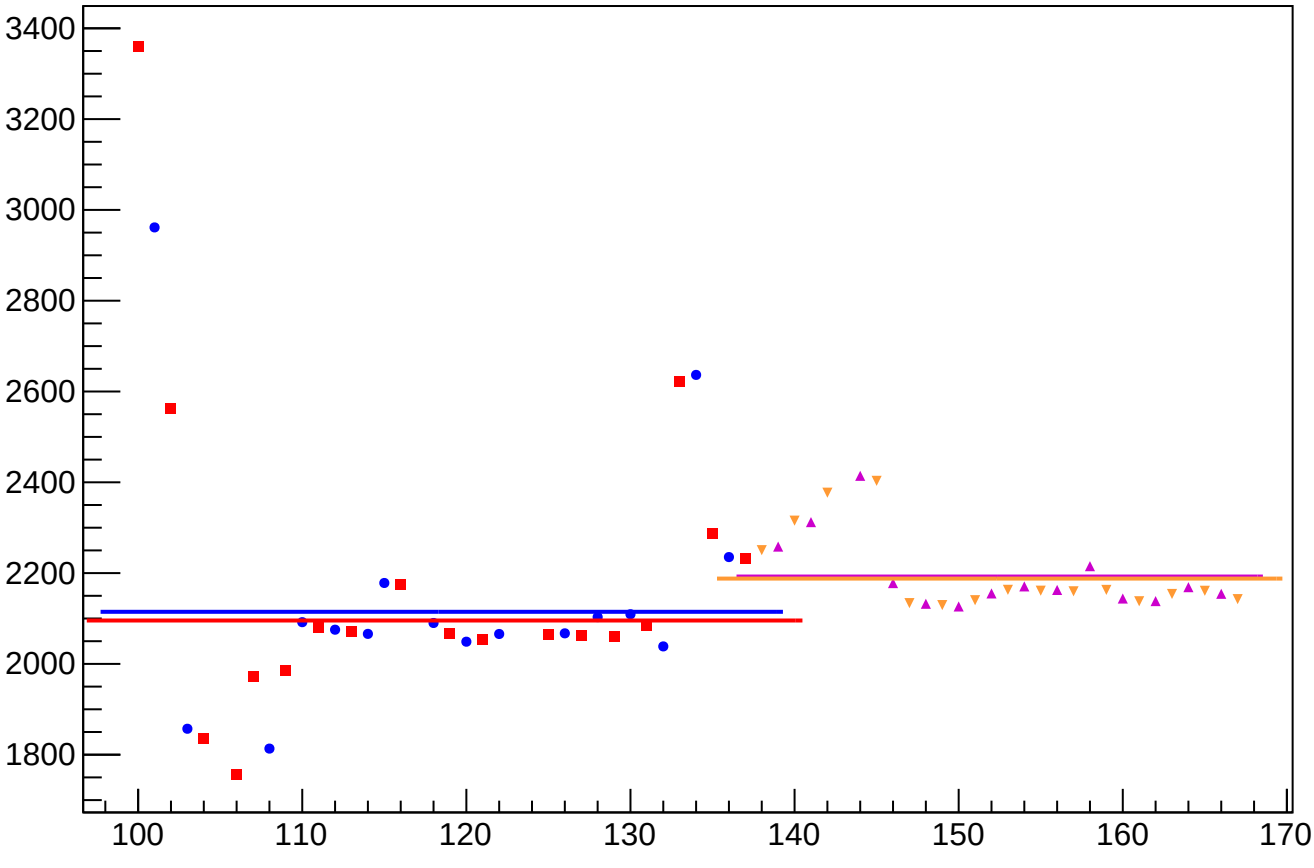
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1532.349+/-0.261 χ^2/NDF:2939102.9/29

Out: 1513.213+/-0.257 χ^2/NDF:3069887.3/32

All: 1522.627+/-0.183 χ^2/NDF: 6011716.8/62


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: 180.128+/-636.749 χ²/NDF:18.0/14
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -676.536+/-645.587 χ²/NDF:8.9/13
Left: -242.301+/-453.342 χ²/NDF: 27.8/28
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1070.725+/-500.444 χ²/NDF:20.6/29
Out: 170.471+/-494.638 χ²/NDF:32.2/32
All: -442.885+/-351.797 χ²/NDF: 55.9/62



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2187.927+/-0.450 χ^2/NDF:31302.5/14

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2192.445+/-0.456 χ^2/NDF:28110.9/13

Left: 2190.155+/-0.321 χ^2/NDF: 59463.1/28

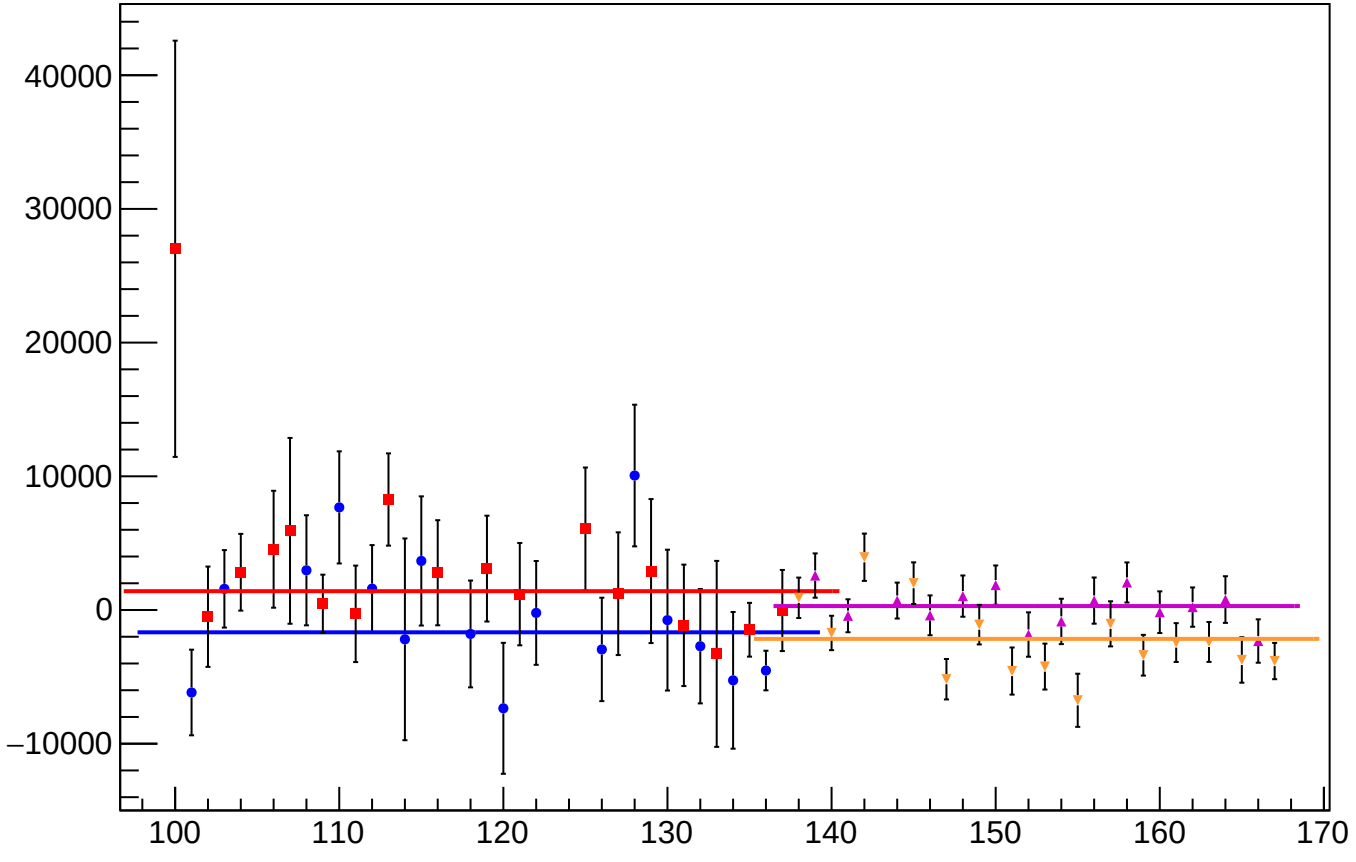
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2161.439+/-0.354 χ^2/NDF:229591.1/29

Out: 2151.313+/-0.350 χ^2/NDF:197338.8/32

All: 2156.317+/-0.249 χ^2/NDF: 427344.1/62

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -2159.125+/-402.447 χ^2/NDF:40.0/14

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 295.243+/-408.856 χ^2/NDF:10.2/13

Left: -951.328+/-286.812 χ^2/NDF: 68.5/28

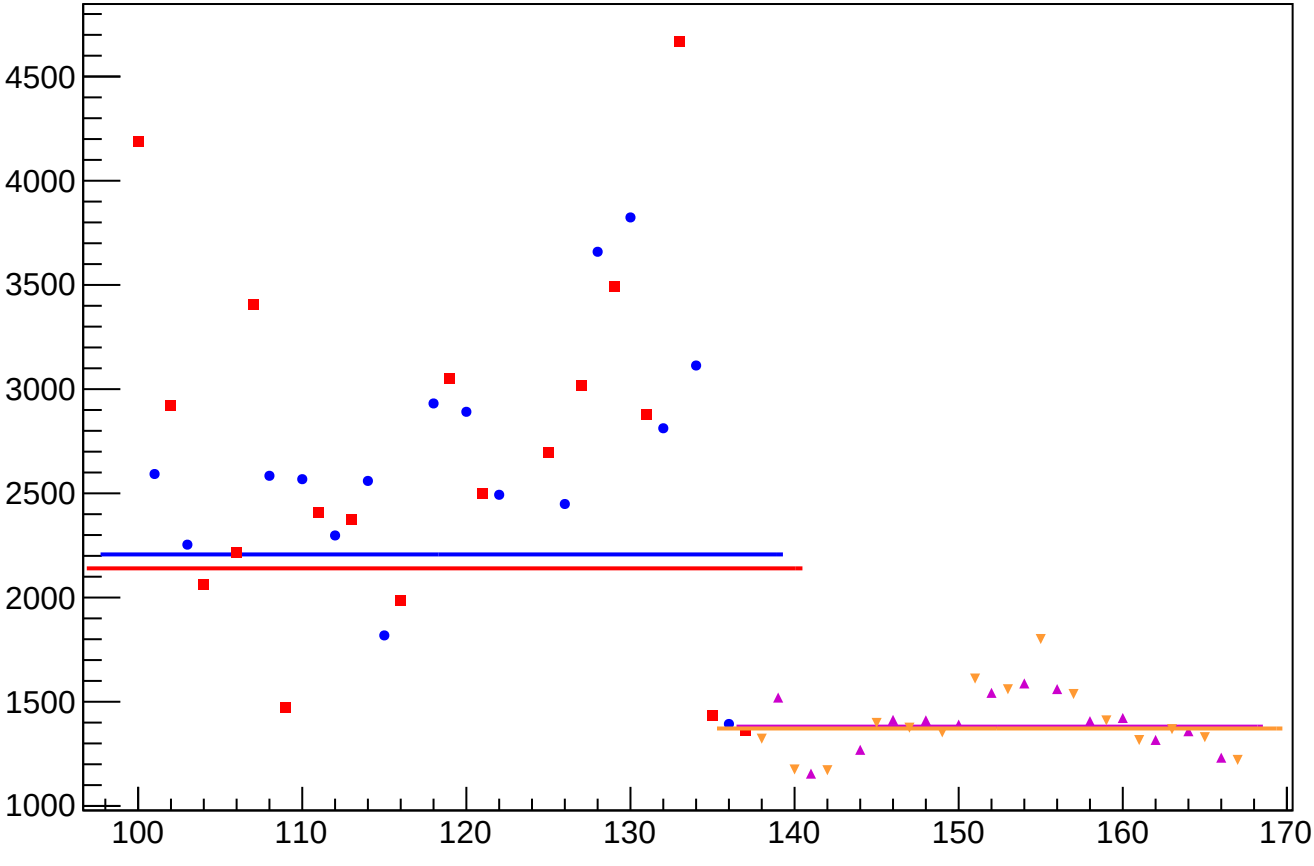
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -65.316+/-369.419 χ^2/NDF:37.0/29

Out: -1502.221+/-363.506 χ^2/NDF:67.4/32

All: -795.359+/-259.103 χ^2/NDF: 112.1/62

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1371.718+/-0.285 χ^2/NDF:279036.8/14

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1380.635+/-0.289 χ^2/NDF:190244.1/13

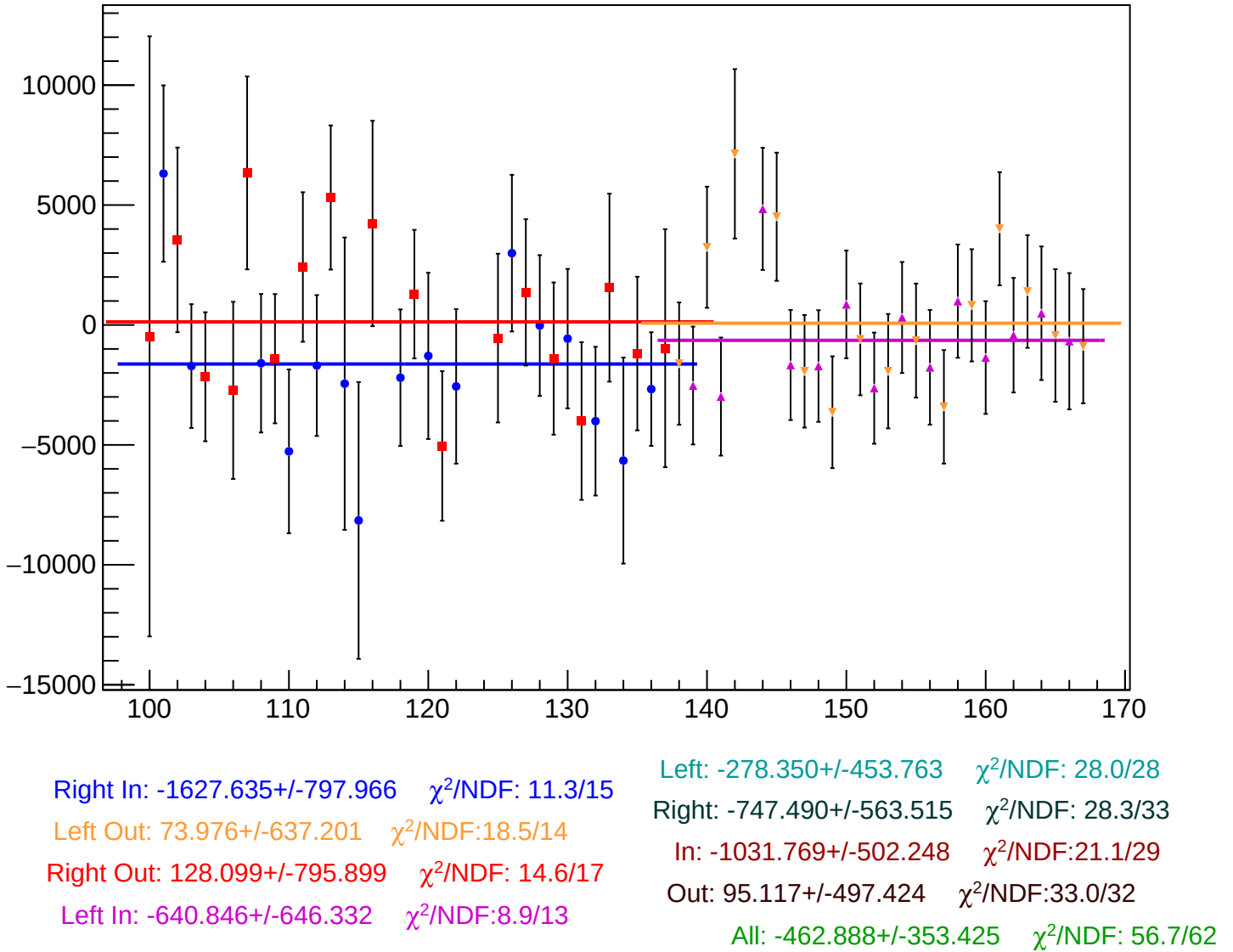
Left: 1376.106+/-0.203 χ^2/NDF: 469764.1/28

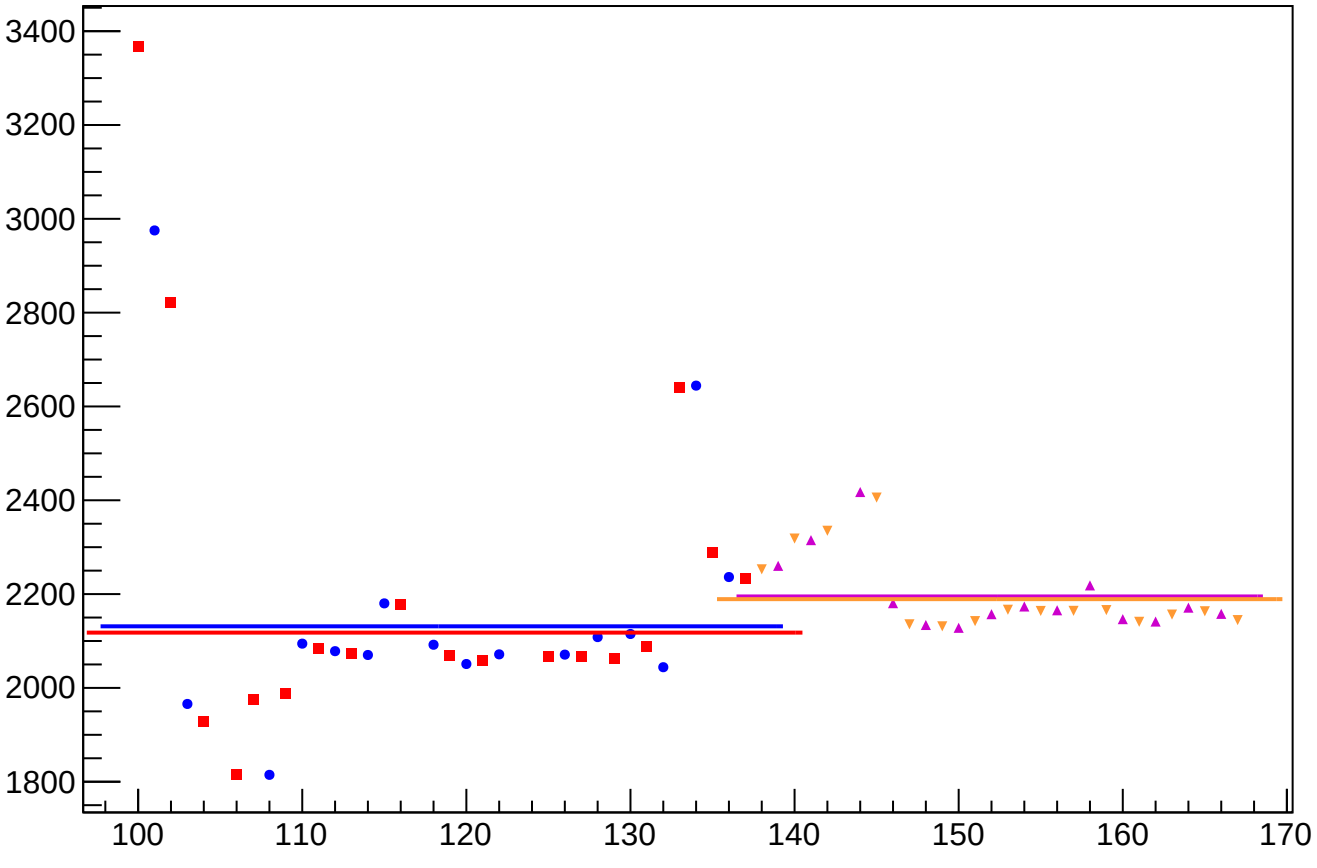
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1532.349+/-0.261 χ^2/NDF:2939102.9/29

Out: 1513.213+/-0.257 χ^2/NDF:3069887.3/32

All: 1522.627+/-0.183 χ^2/NDF: 6011716.8/62


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: 73.976+/-637.201 χ²/NDF:18.5/14
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -640.846+/-646.332 χ²/NDF:8.9/13
Left: -278.350+/-453.763 χ²/NDF: 28.0/28
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -1031.769+/-502.248 χ²/NDF:21.1/29
Out: 95.117+/-497.424 χ²/NDF:33.0/32
All: -462.888+/-353.425 χ²/NDF: 56.7/62



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2189.213+/-0.451 χ^2/NDF:29053.8/14

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2194.967+/-0.457 χ^2/NDF:28197.8/13

Left: 2192.049+/-0.321 χ^2/NDF: 57331.9/28

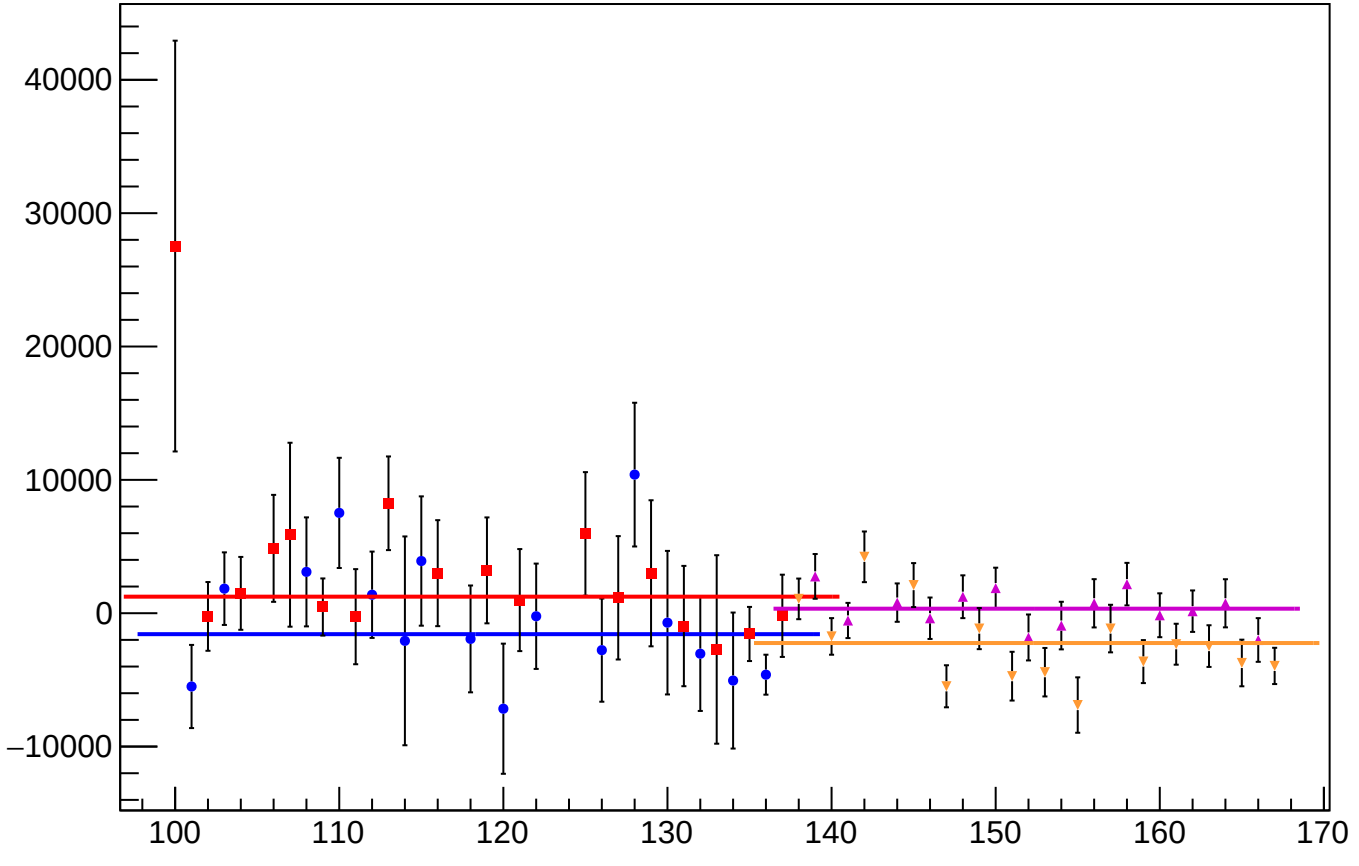
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2169.744+/-0.355 χ^2/NDF:211829.5/29

Out: 2161.345+/-0.352 χ^2/NDF:202470.3/32

All: 2165.504+/-0.250 χ^2/NDF: 414582.2/62

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -2236.033+/-420.252 χ^2/NDF:39.9/14

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 339.117+/-428.148 χ^2/NDF:9.8/13

Left: -972.422+/-299.915 χ^2/NDF: 68.1/28

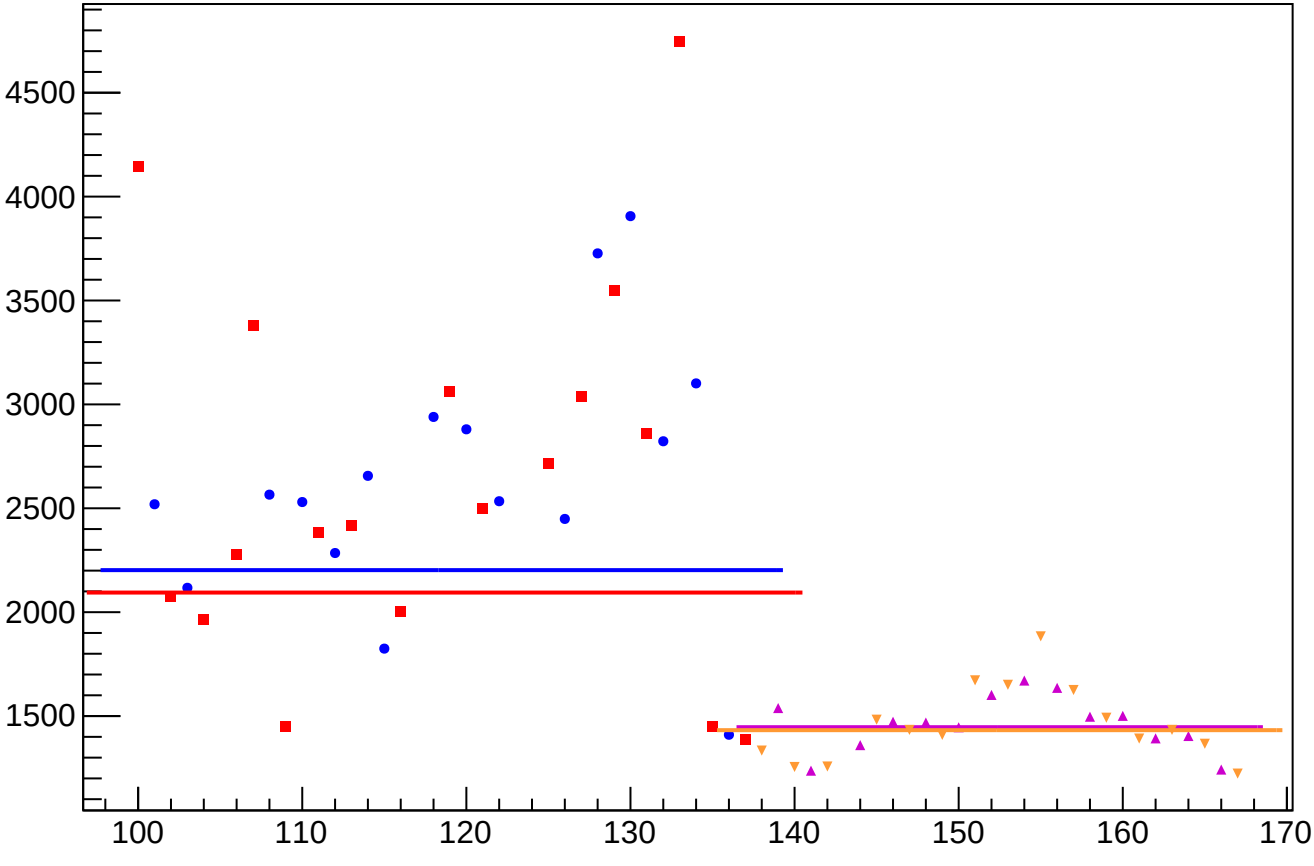
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -40.463+/-383.255 χ^2/NDF:36.4/29

Out: -1512.424+/-373.974 χ^2/NDF:67.2/32

All: -794.480+/-267.661 χ^2/NDF: 111.1/62

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1432.186+/-0.297 χ^2/NDF:296211.5/14

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1446.508+/-0.303 χ^2/NDF:172891.9/13

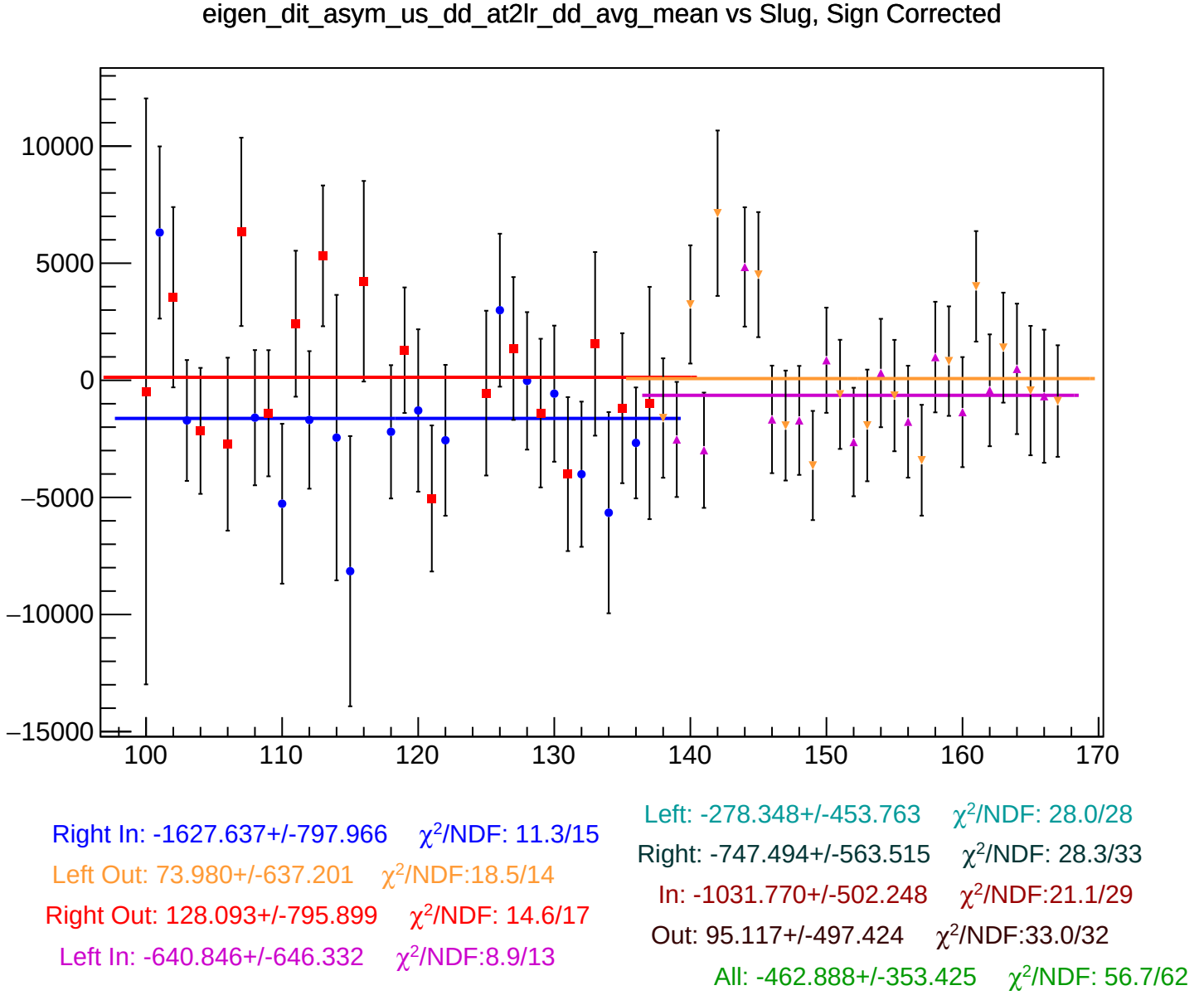
Left: 1439.214+/-0.212 χ^2/NDF: 470243.1/28

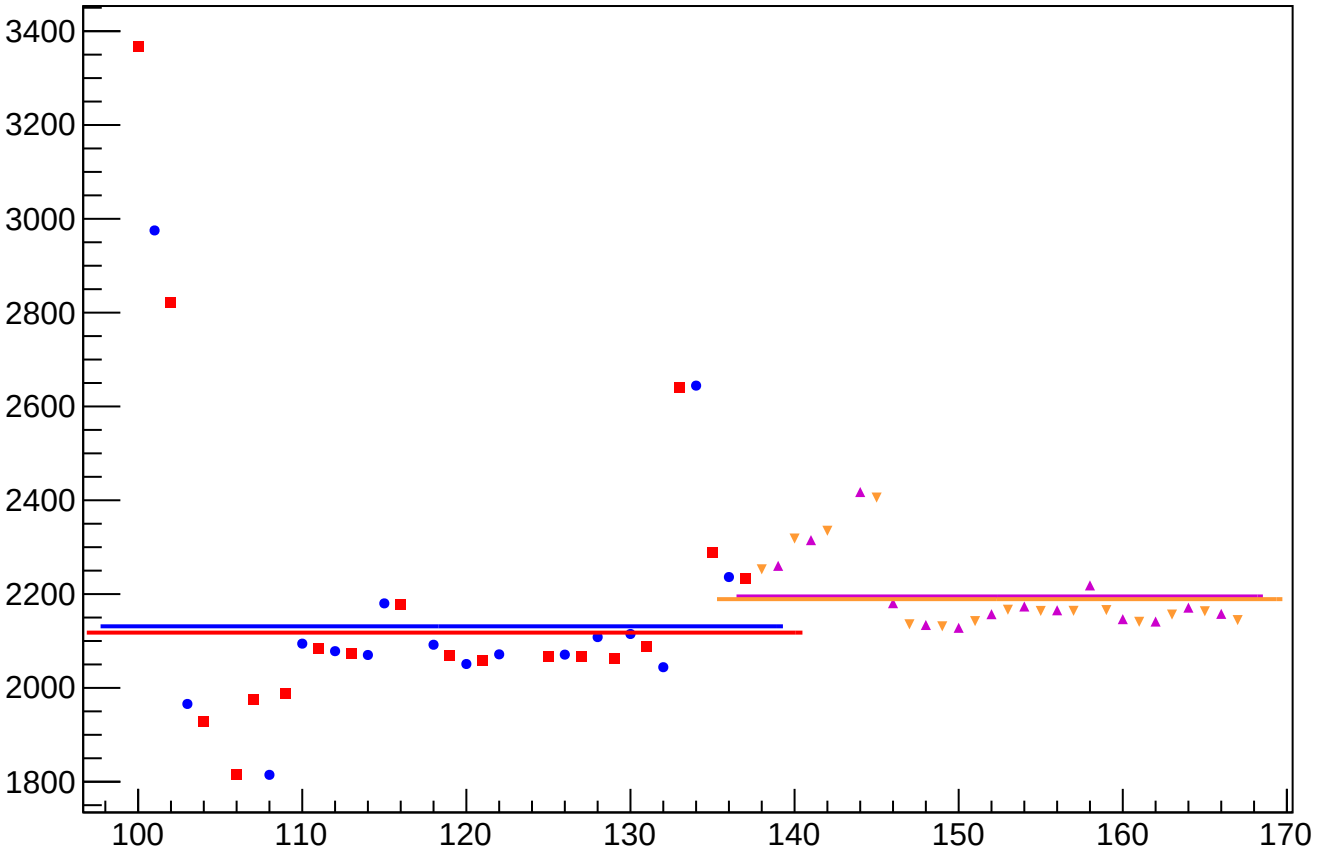
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1596.709+/-0.271 χ^2/NDF:2634554.0/29

Out: 1570.009+/-0.264 χ^2/NDF:2703507.9/32

All: 1583.032+/-0.189 χ^2/NDF: 5343034.3/62


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: 73.980+/-637.201 χ²/NDF:18.5/14
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -640.846+/-646.332 χ²/NDF:8.9/13
Left: -278.348+/-453.763 χ²/NDF: 28.0/28
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1031.770+/-502.248 χ²/NDF:21.1/29
Out: 95.117+/-497.424 χ²/NDF:33.0/32
All: -462.888+/-353.425 χ²/NDF: 56.7/62



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2189.213+/-0.451 χ^2/NDF:29053.9/14

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2194.967+/-0.457 χ^2/NDF:28197.8/13

Left: 2192.049+/-0.321 χ^2/NDF: 57332.1/28

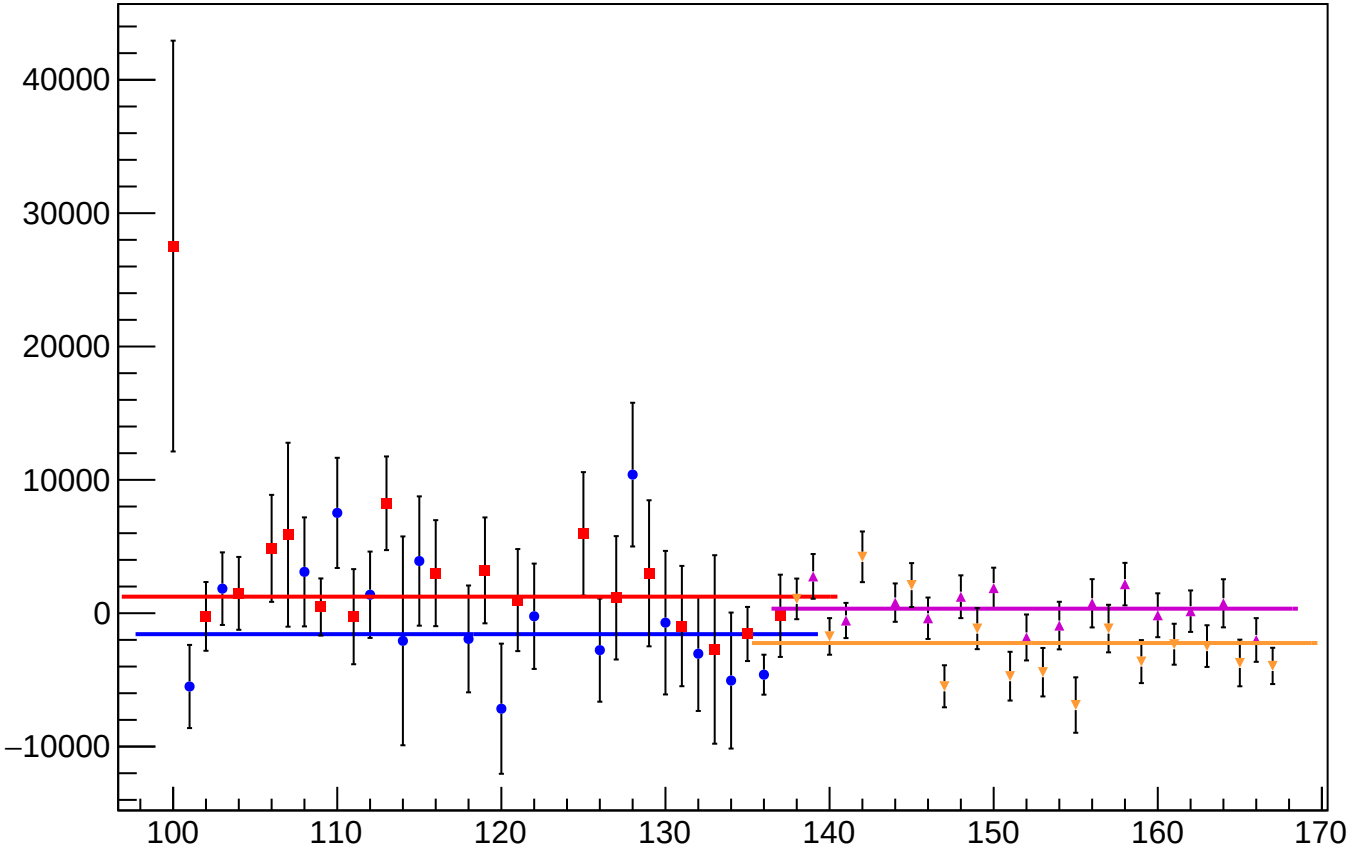
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2169.744+/-0.355 χ^2/NDF:211829.6/29

Out: 2161.345+/-0.352 χ^2/NDF:202470.3/32

All: 2165.504+/-0.250 χ^2/NDF: 414582.2/62

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -2236.043+/-420.252 χ^2/NDF:39.9/14

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 339.114+/-428.148 χ^2/NDF:9.8/13

Left: -972.427+/-299.916 χ^2/NDF: 68.1/28

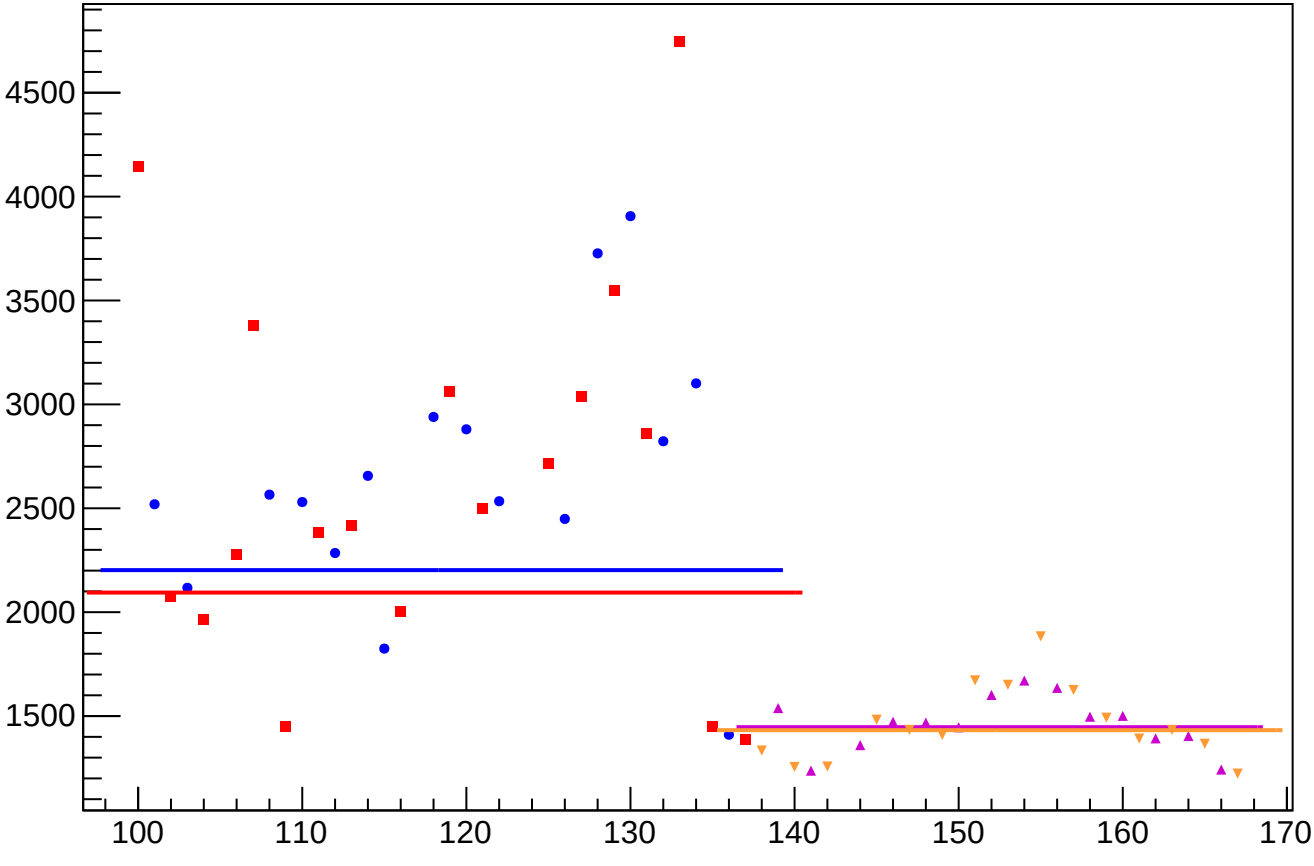
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -40.461+/-383.255 χ^2/NDF:36.4/29

Out: -1512.432+/-373.975 χ^2/NDF:67.2/32

All: -794.483+/-267.661 χ^2/NDF: 111.1/62

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1432.188+/-0.297 χ^2/NDF:296204.5/14

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1446.507+/-0.303 χ^2/NDF:172895.4/13

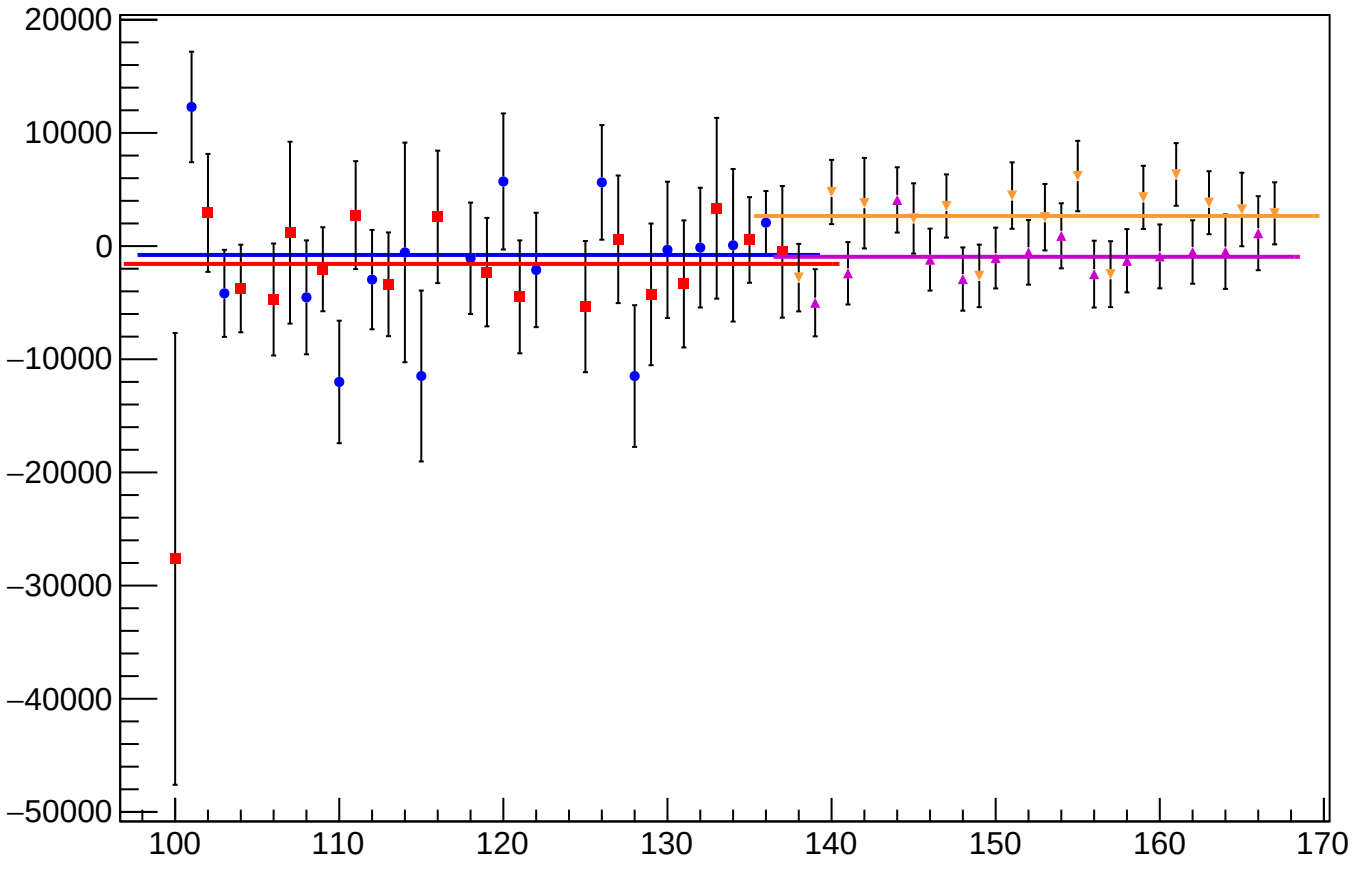
Left: 1439.214+/-0.212 χ^2/NDF: 470239.3/28

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1596.711+/-0.271 χ^2/NDF:2634531.9/29

Out: 1570.012+/-0.264 χ^2/NDF:2703480.0/32

All: 1583.034+/-0.189 χ^2/NDF: 5342983.6/62



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2662.529+/-760.217 χ^2/NDF:14.8/14

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -946.533+/-769.224 χ^2/NDF:6.9/13

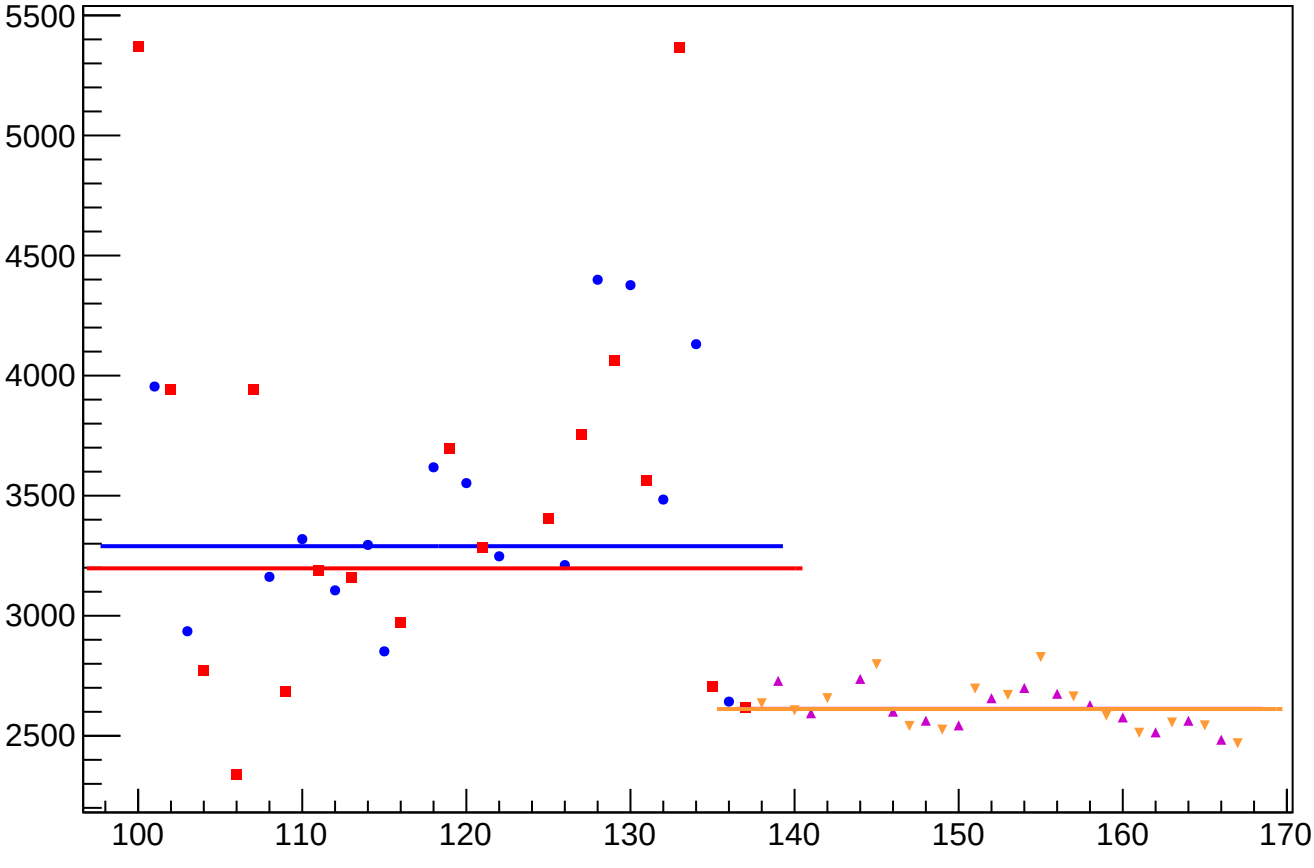
Left: 879.252+/-540.711 χ^2/NDF: 32.8/28

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -900.797+/-653.916 χ^2/NDF:28.8/29

Out: 1475.975+/-645.051 χ^2/NDF:30.3/32

All: 303.809+/-459.222 χ^2/NDF: 65.7/62



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2611.586+/-0.538 χ^2/NDF:33437.0/14

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2612.402+/-0.544 χ^2/NDF:18440.9/13

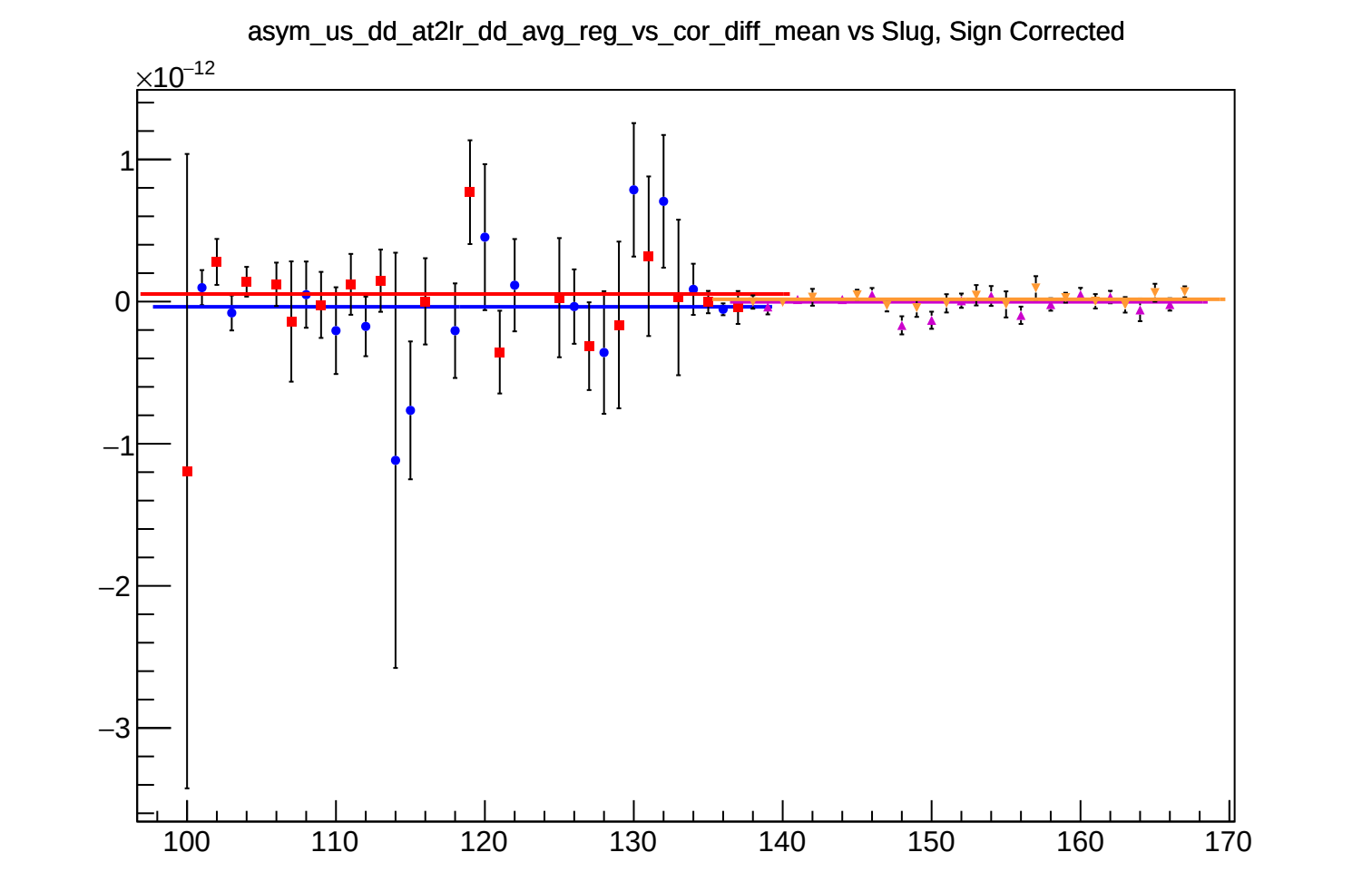
Left: 2611.989+/-0.382 χ^2/NDF: 51879.0/28

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2800.237+/-0.462 χ^2/NDF:796040.2/29

Out: 2775.629+/-0.456 χ^2/NDF:865919.9/32

All: 2787.765+/-0.325 χ^2/NDF: 1663395.5/62



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:19.4/13

Left: 0.000+/-0.000 χ^2/NDF: 28.3/28

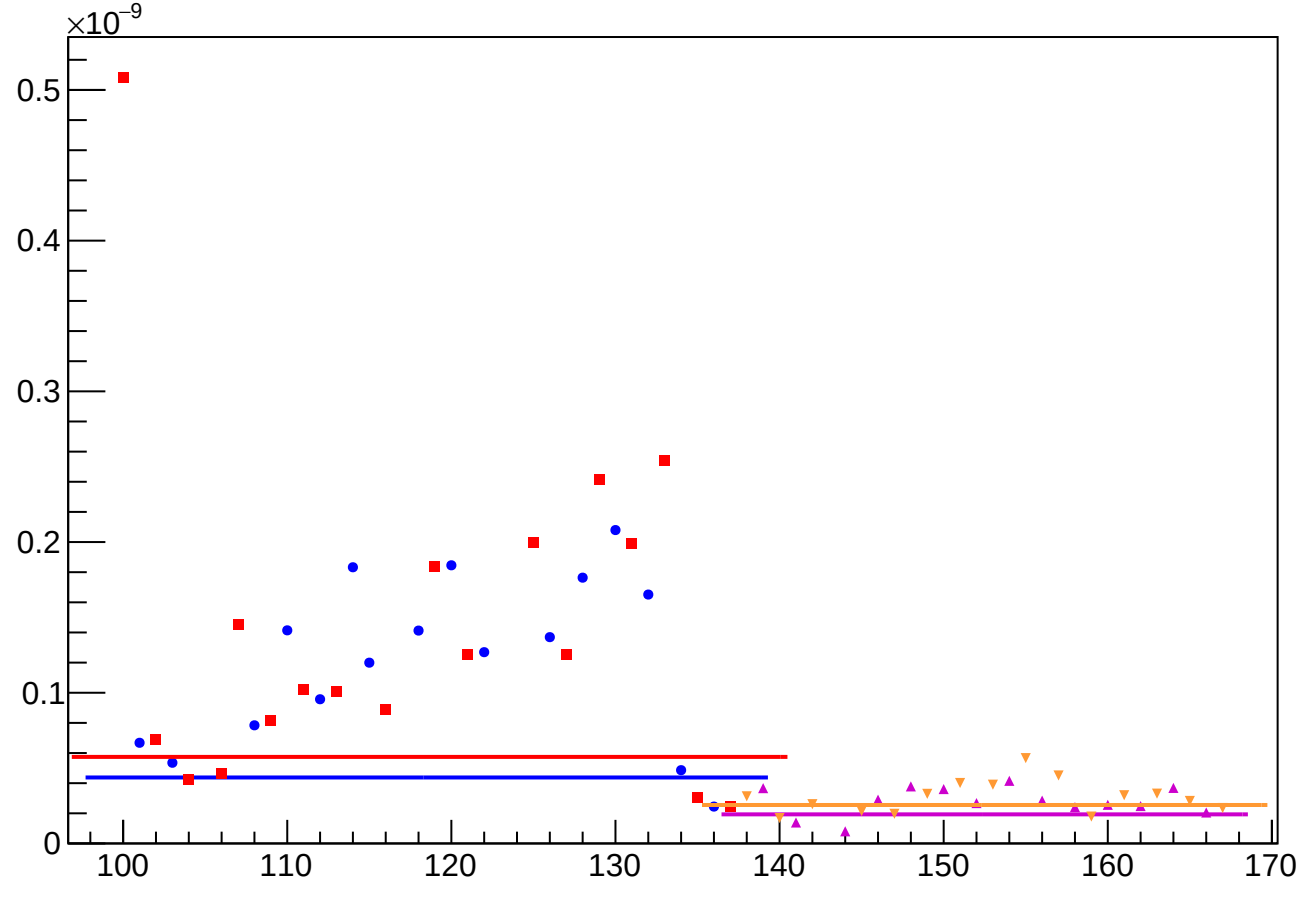
Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:33.5/29

Out: 0.000+/-0.000 χ^2/NDF:21.0/32

All: 0.000+/-0.000 χ^2/NDF: 56.8/62

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:966232.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1954179.9/13

Left: 0.000+/-0.000 χ^2/NDF: 3206373.4/28

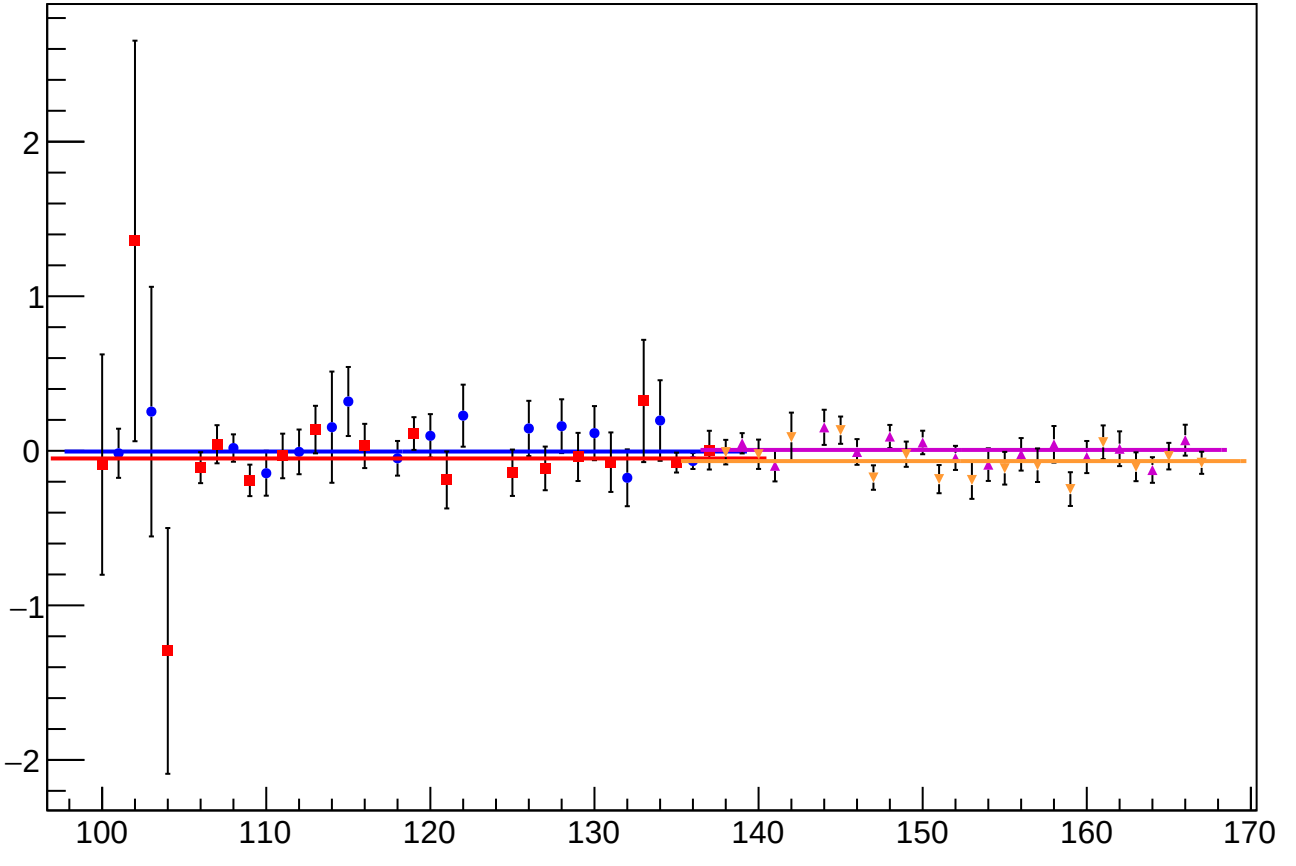
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5105518.5/29

Out: 0.000+/-0.000 χ^2/NDF:4054545.4/32

All: 0.000+/-0.000 χ^2/NDF: 9494611.4/62

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.067+/-0.024 χ^2/NDF:16.1/14

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.024 χ^2/NDF:9.3/13

Left: -0.030+/-0.017 χ^2/NDF: 30.0/28

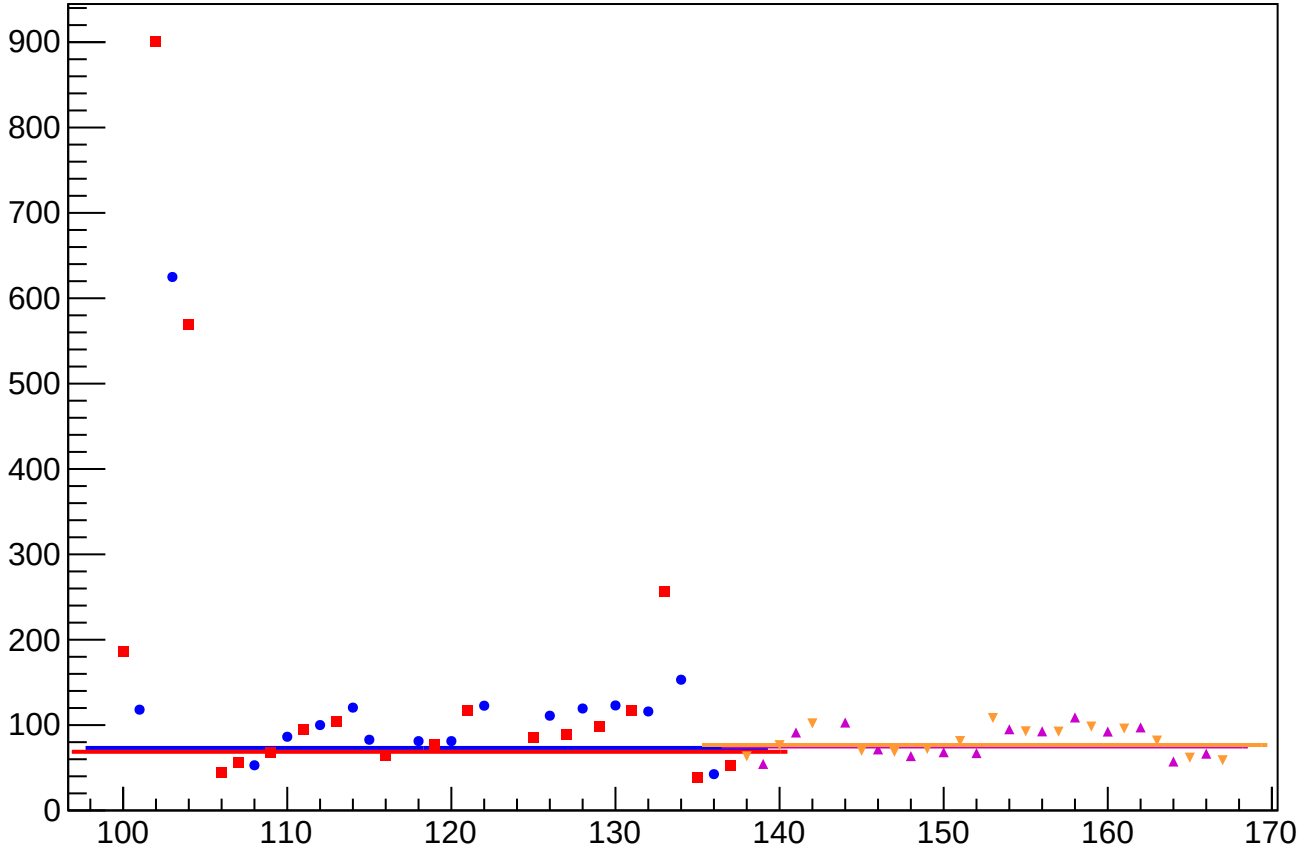
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.002+/-0.019 χ^2/NDF:19.7/29

Out: -0.060+/-0.019 χ^2/NDF:29.4/32

All: -0.029+/-0.014 χ^2/NDF: 54.3/62

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.659+/-0.017 χ^2/NDF:702493.6/14

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.913+/-0.017 χ^2/NDF:985629.0/13

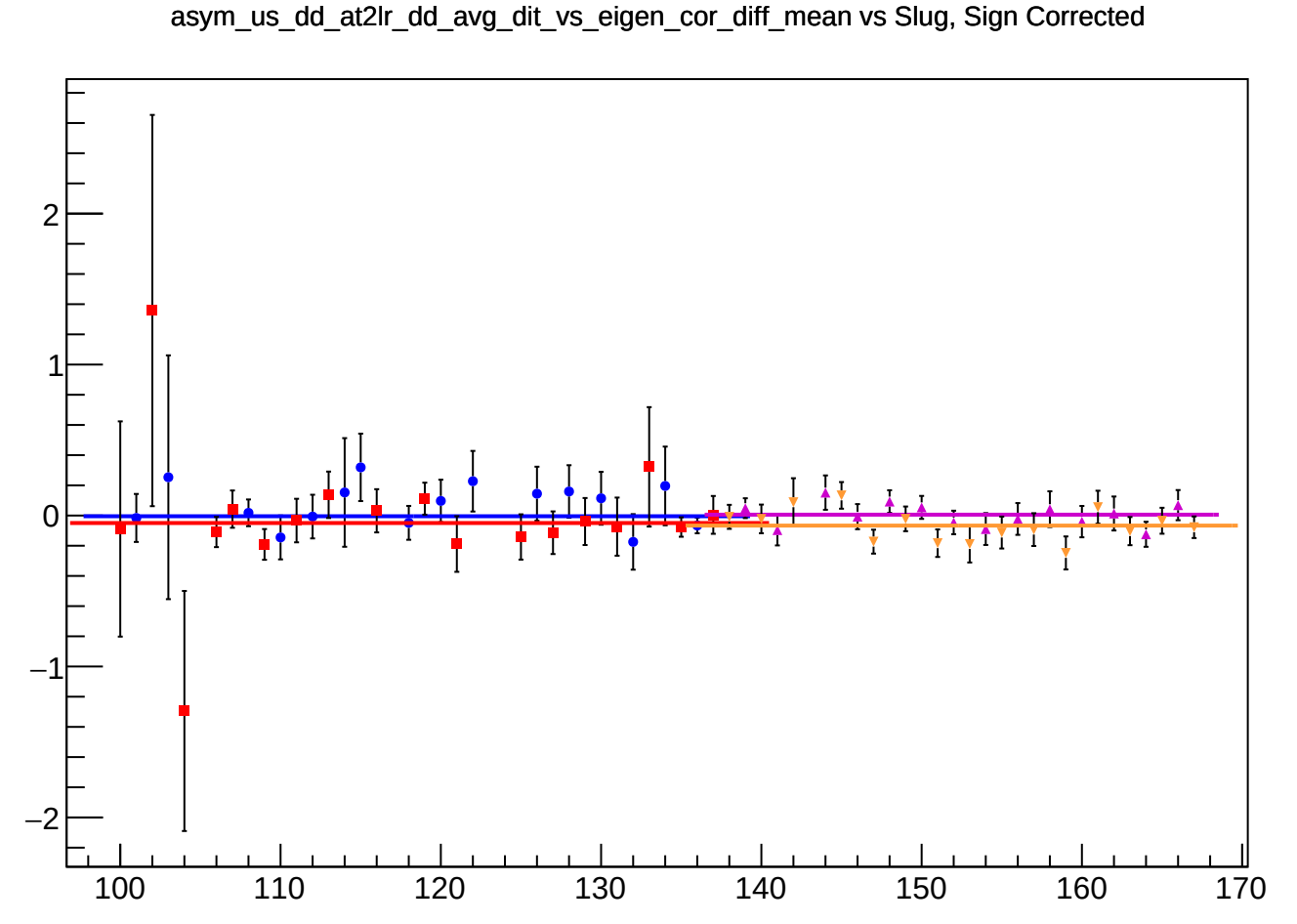
Left: 75.783+/-0.012 χ^2/NDF: 1693385.7/28

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.314+/-0.014 χ^2/NDF:3843720.6/29

Out: 73.748+/-0.014 χ^2/NDF:4113778.6/32

All: 74.030+/-0.010 χ^2/NDF: 7958366.7/62



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.067+/-0.024 χ^2/NDF:16.1/14

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.024 χ^2/NDF:9.3/13

Left: -0.030+/-0.017 χ^2/NDF: 30.0/28

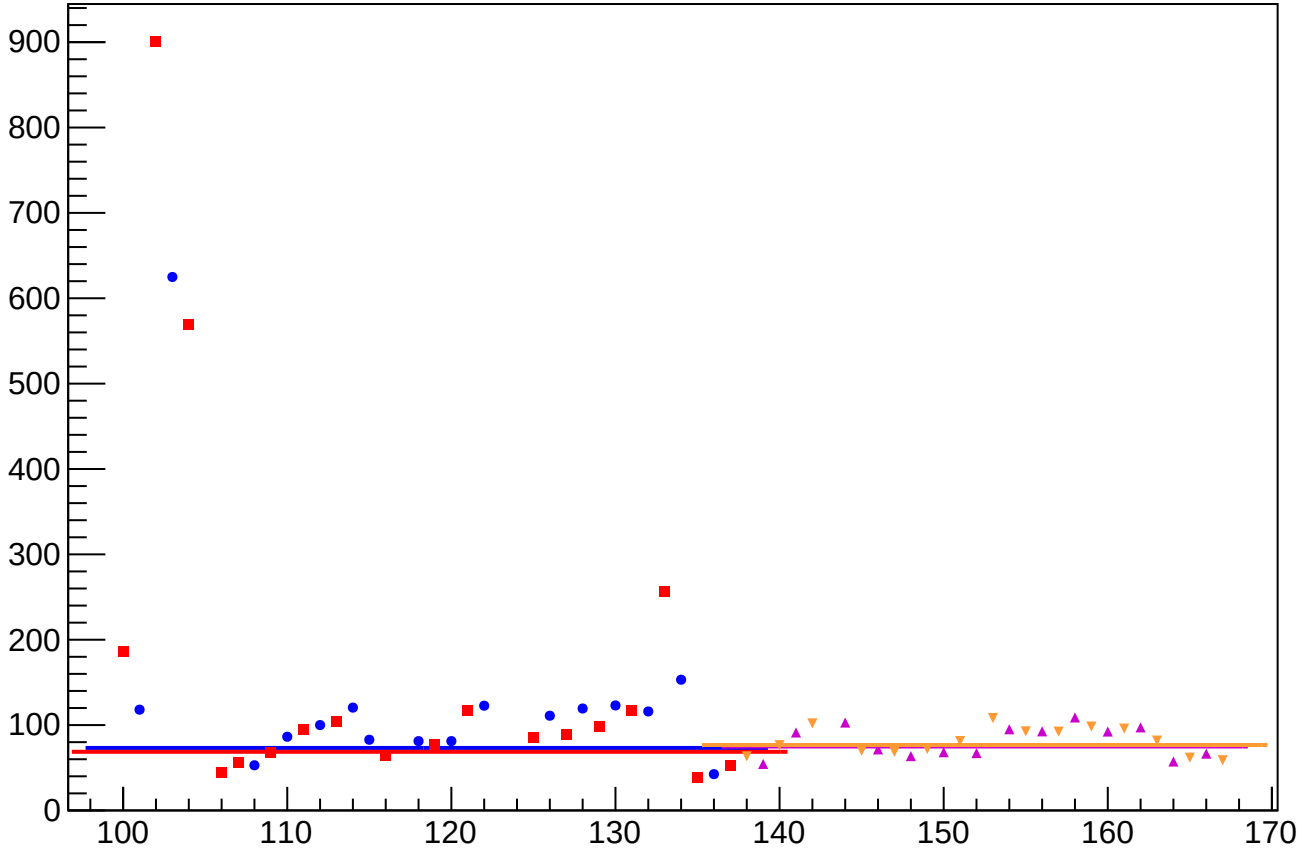
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.002+/-0.019 χ^2/NDF:19.7/29

Out: -0.060+/-0.019 χ^2/NDF:29.4/32

All: -0.029+/-0.014 χ^2/NDF: 54.3/62

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.659+/-0.017 χ^2/NDF:702493.6/14

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.913+/-0.017 χ^2/NDF:985629.0/13

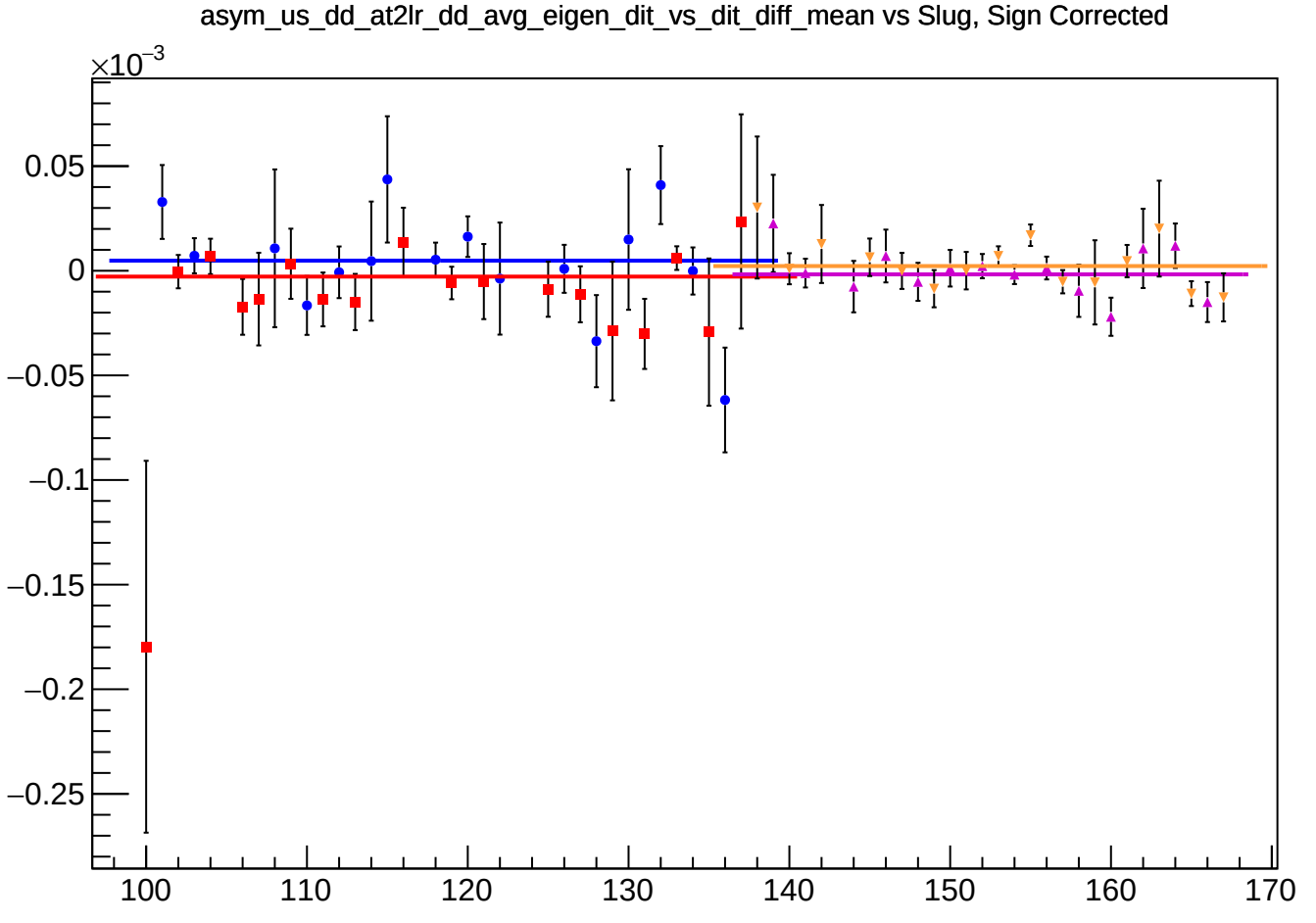
Left: 75.783+/-0.012 χ^2/NDF: 1693385.7/28

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.314+/-0.014 χ^2/NDF:3843720.6/29

Out: 73.748+/-0.014 χ^2/NDF:4113778.6/32

All: 74.030+/-0.010 χ^2/NDF: 7958366.7/62



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:12.2/13

Left: 0.000+/-0.000 χ^2/NDF: 35.5/28

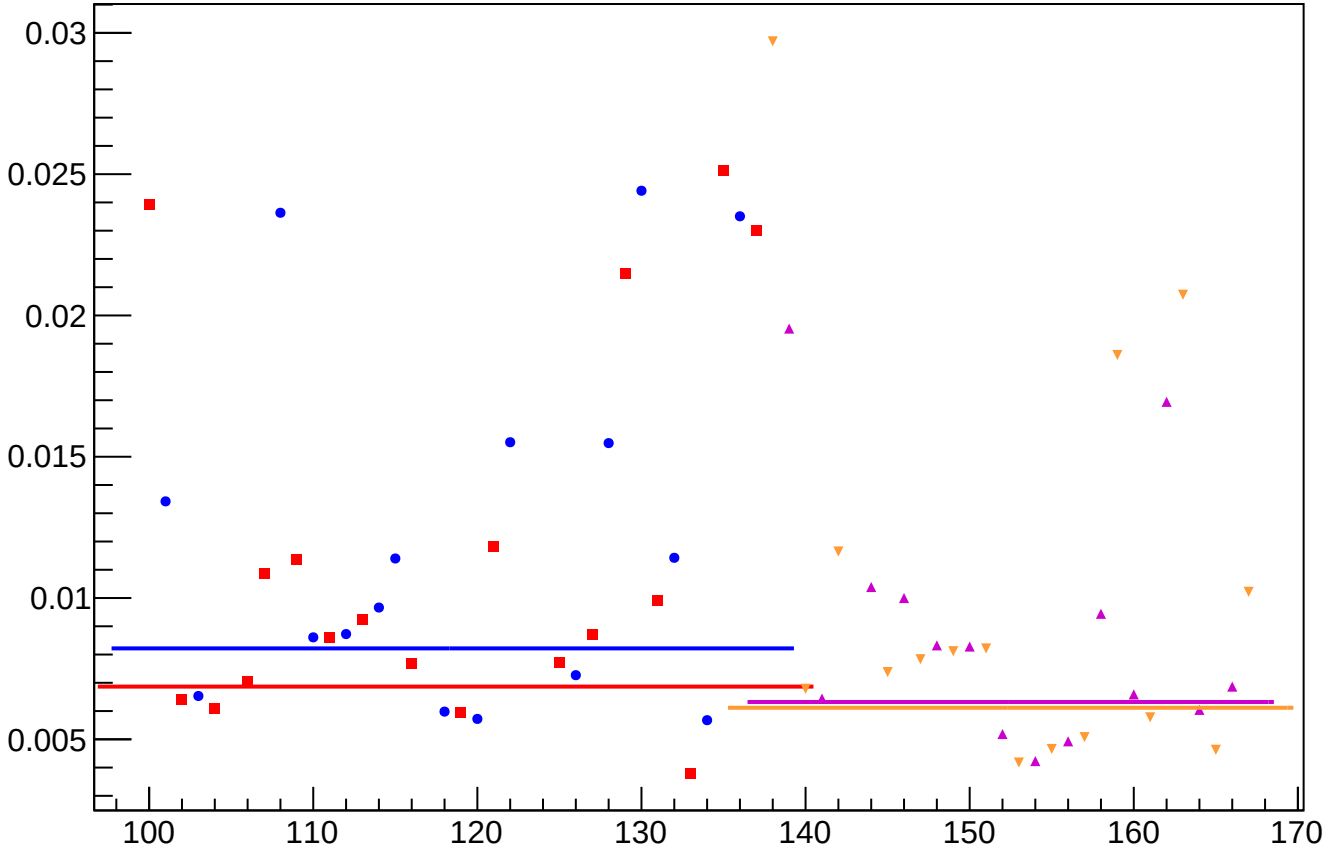
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:37.3/29

Out: 0.000+/-0.000 χ^2/NDF:40.4/32

All: 0.000+/-0.000 χ^2/NDF: 77.8/62

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:4044718.2/14

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:2634625.1/13

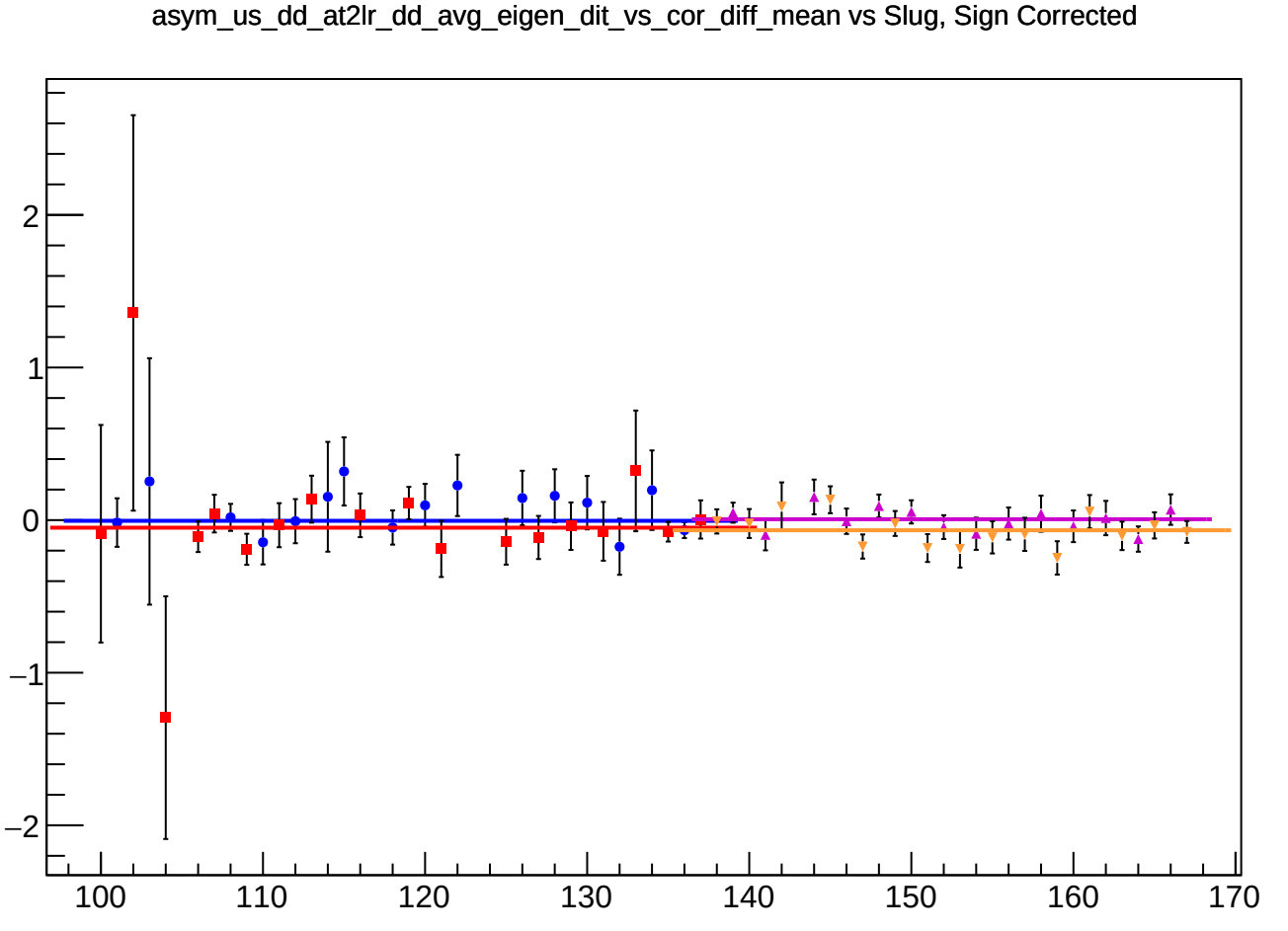
Left: 0.006+/-0.000 χ^2/NDF: 6688920.1/28

Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:5717734.6/29

Out: 0.006+/-0.000 χ^2/NDF:6563916.0/32

All: 0.007+/-0.000 χ^2/NDF: 12357101.9/62



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.067+/-0.024 χ^2/NDF:16.1/14

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.024 χ^2/NDF:9.3/13

Left: -0.030+/-0.017 χ^2/NDF: 30.0/28

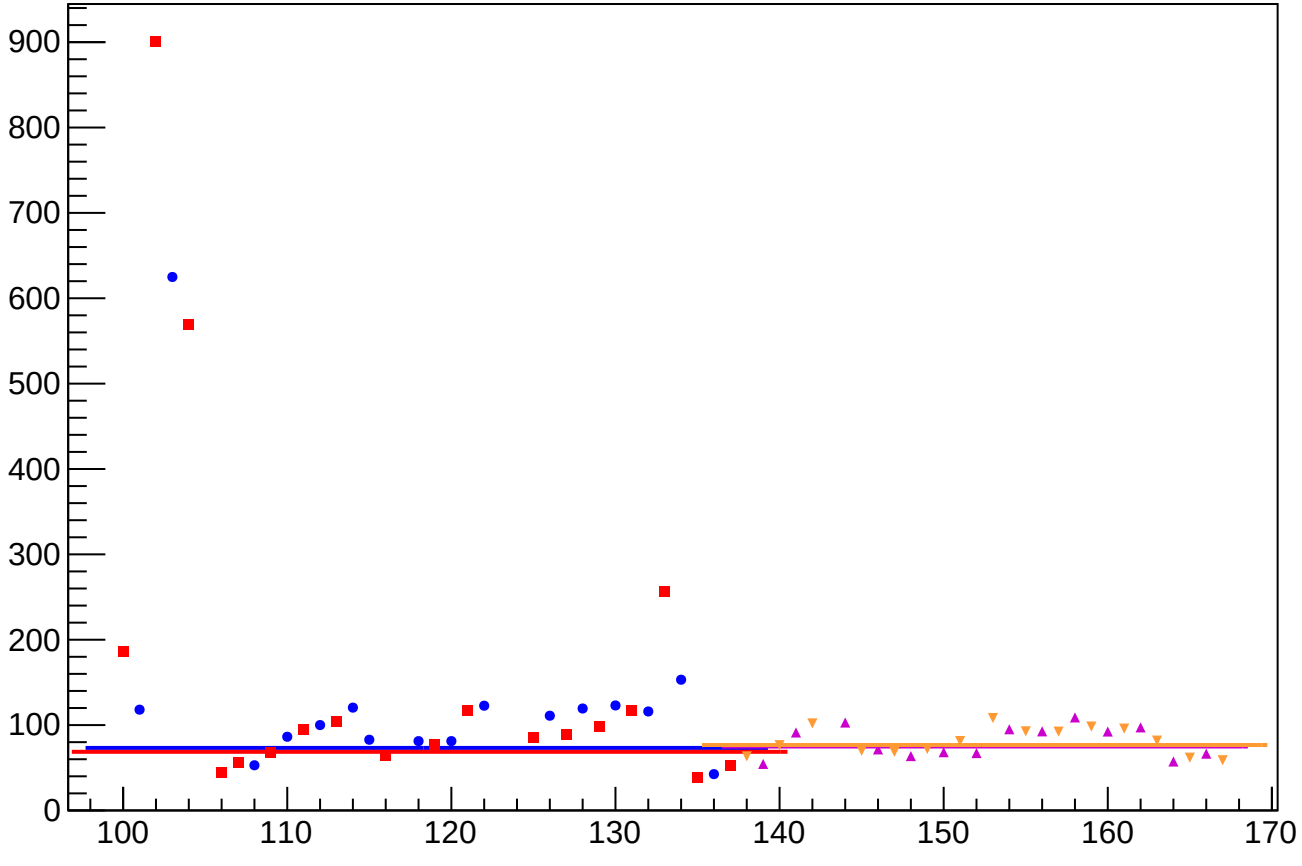
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.002+/-0.019 χ^2/NDF:19.7/29

Out: -0.060+/-0.019 χ^2/NDF:29.4/32

All: -0.029+/-0.014 χ^2/NDF: 54.3/62

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.658+/-0.017 χ^2/NDF:702387.0/14

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.915+/-0.017 χ^2/NDF:985378.5/13

Left: 75.784+/-0.012 χ^2/NDF: 1693019.4/28

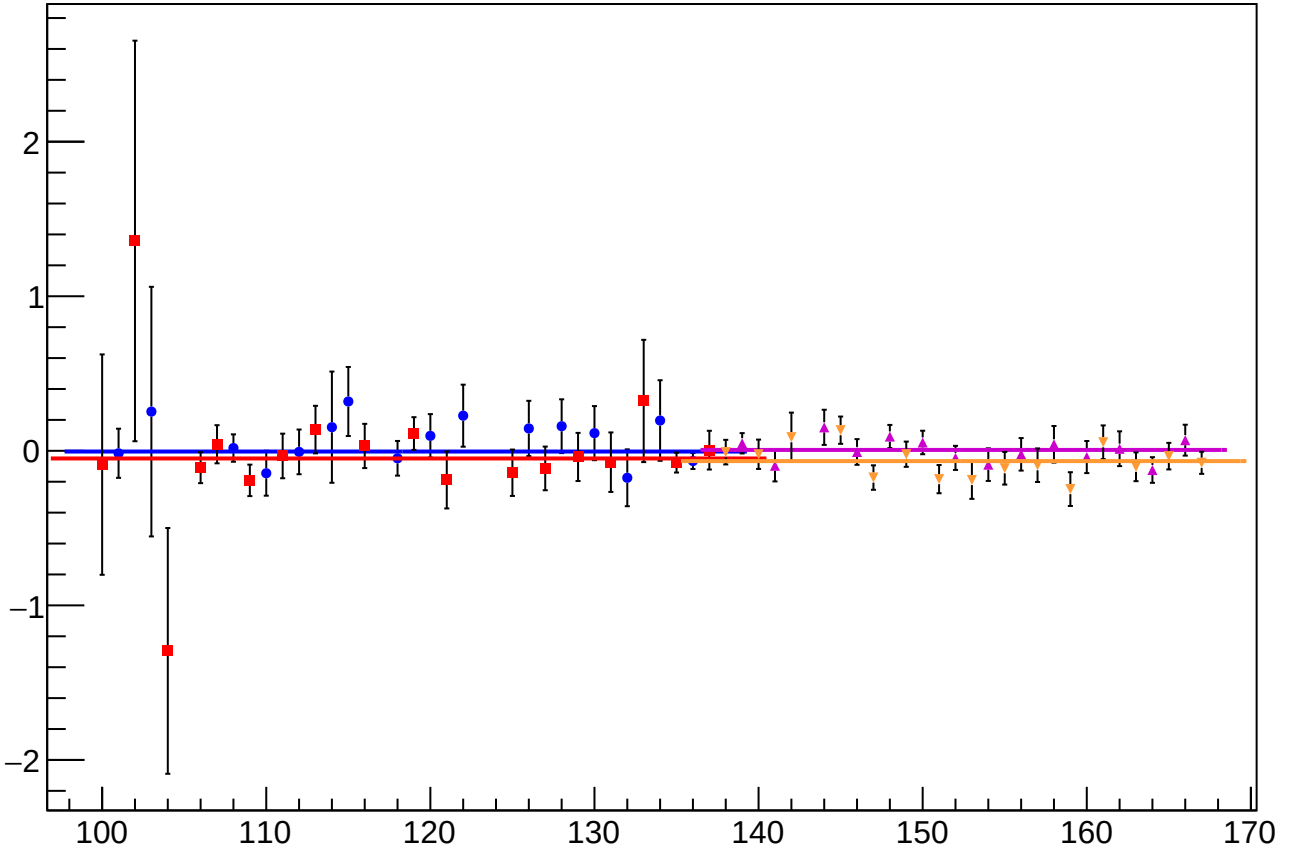
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.324+/-0.014 χ^2/NDF:3841076.6/29

Out: 73.743+/-0.014 χ^2/NDF:4114902.2/32

All: 74.032+/-0.010 χ^2/NDF: 7956891.1/62

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.067+/-0.024 χ^2/NDF:16.1/14

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.024 χ^2/NDF:9.3/13

Left: -0.030+/-0.017 χ^2/NDF: 30.0/28

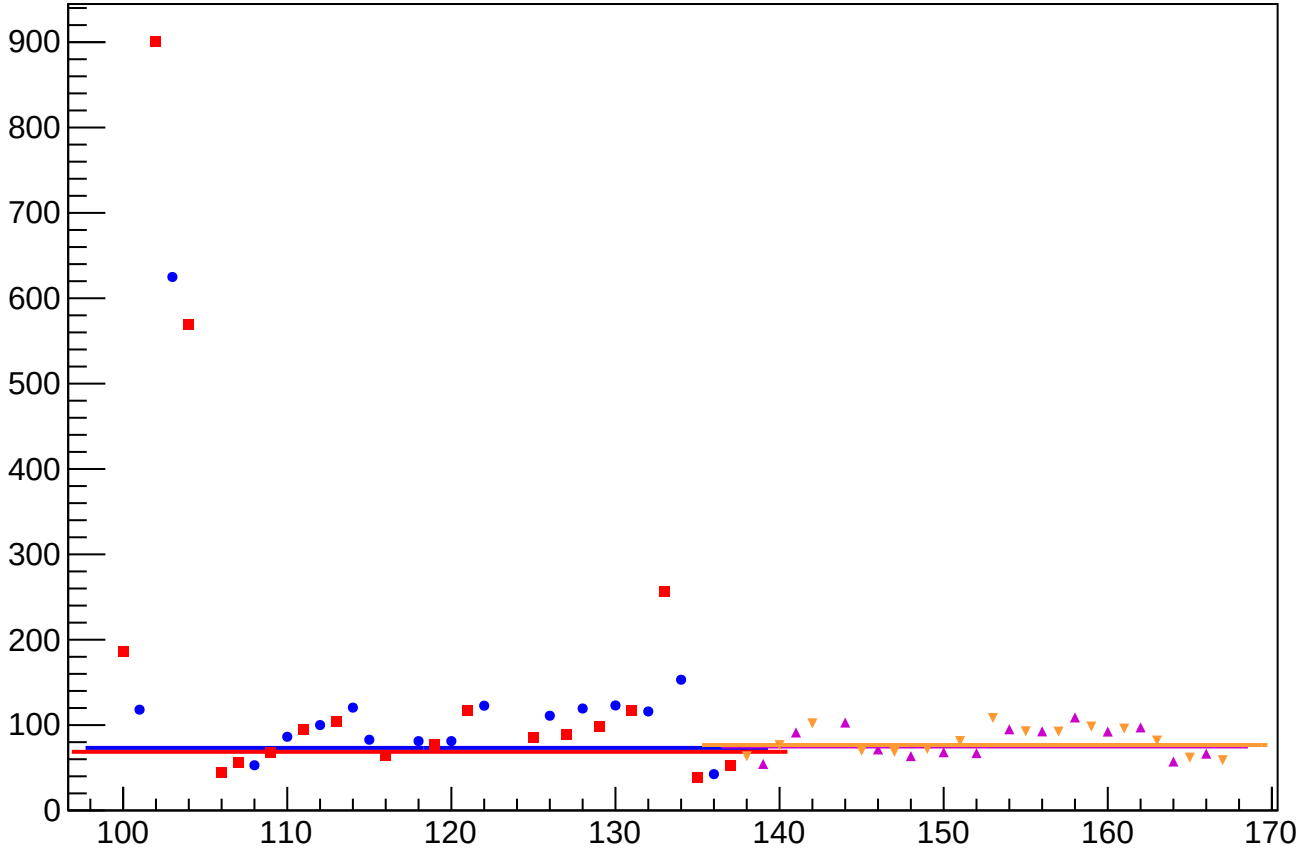
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.002+/-0.019 χ^2/NDF:19.7/29

Out: -0.060+/-0.019 χ^2/NDF:29.4/32

All: -0.029+/-0.014 χ^2/NDF: 54.3/62

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.658+/-0.017 χ^2/NDF:702387.0/14

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.915+/-0.017 χ^2/NDF:985378.5/13

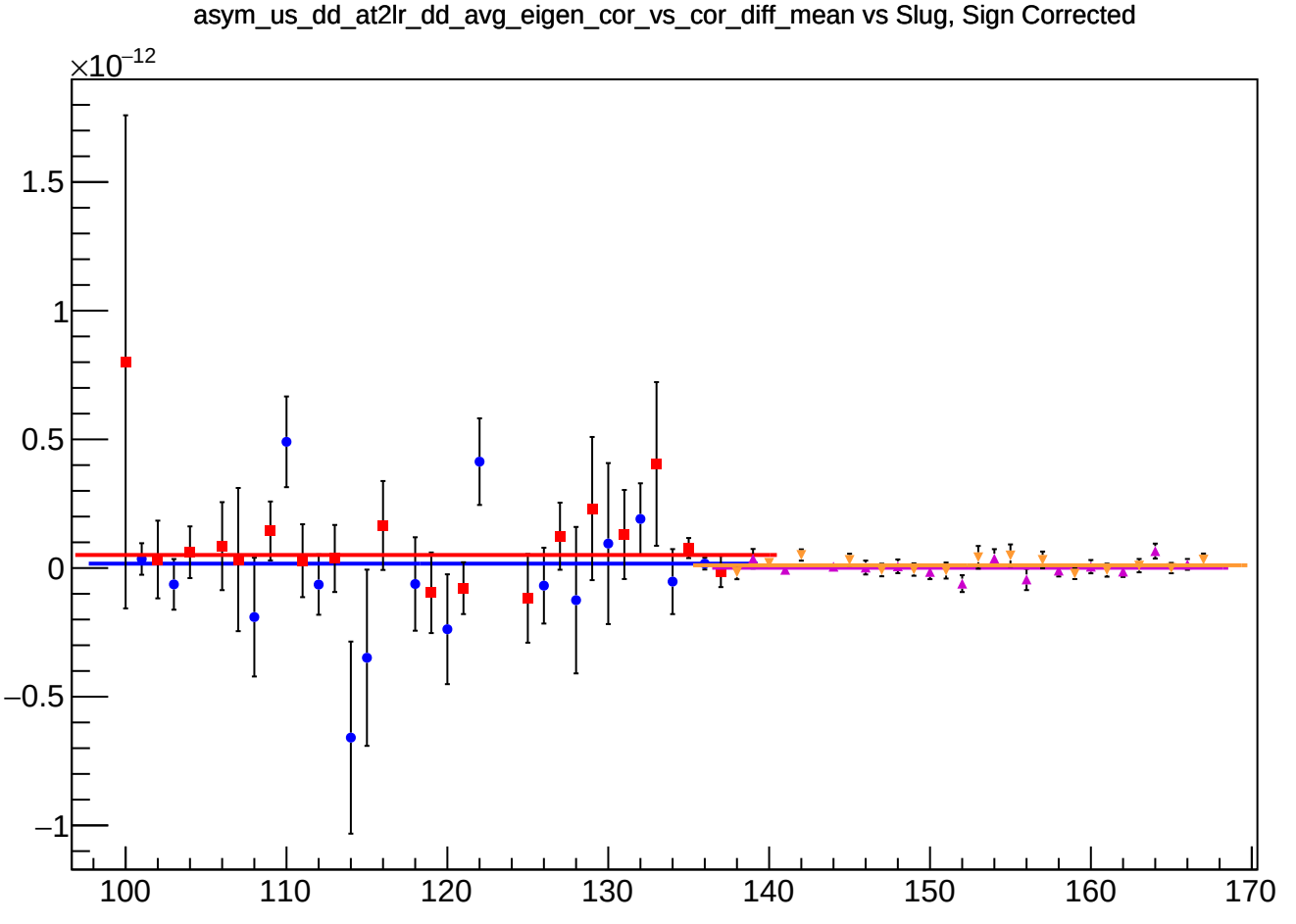
Left: 75.784+/-0.012 χ^2/NDF: 1693019.4/28

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.324+/-0.014 χ^2/NDF:3841076.6/29

Out: 73.743+/-0.014 χ^2/NDF:4114902.2/32

All: 74.032+/-0.010 χ^2/NDF: 7956891.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:13.3/13

Left: 0.000+/-0.000 χ^2/NDF: 26.9/28

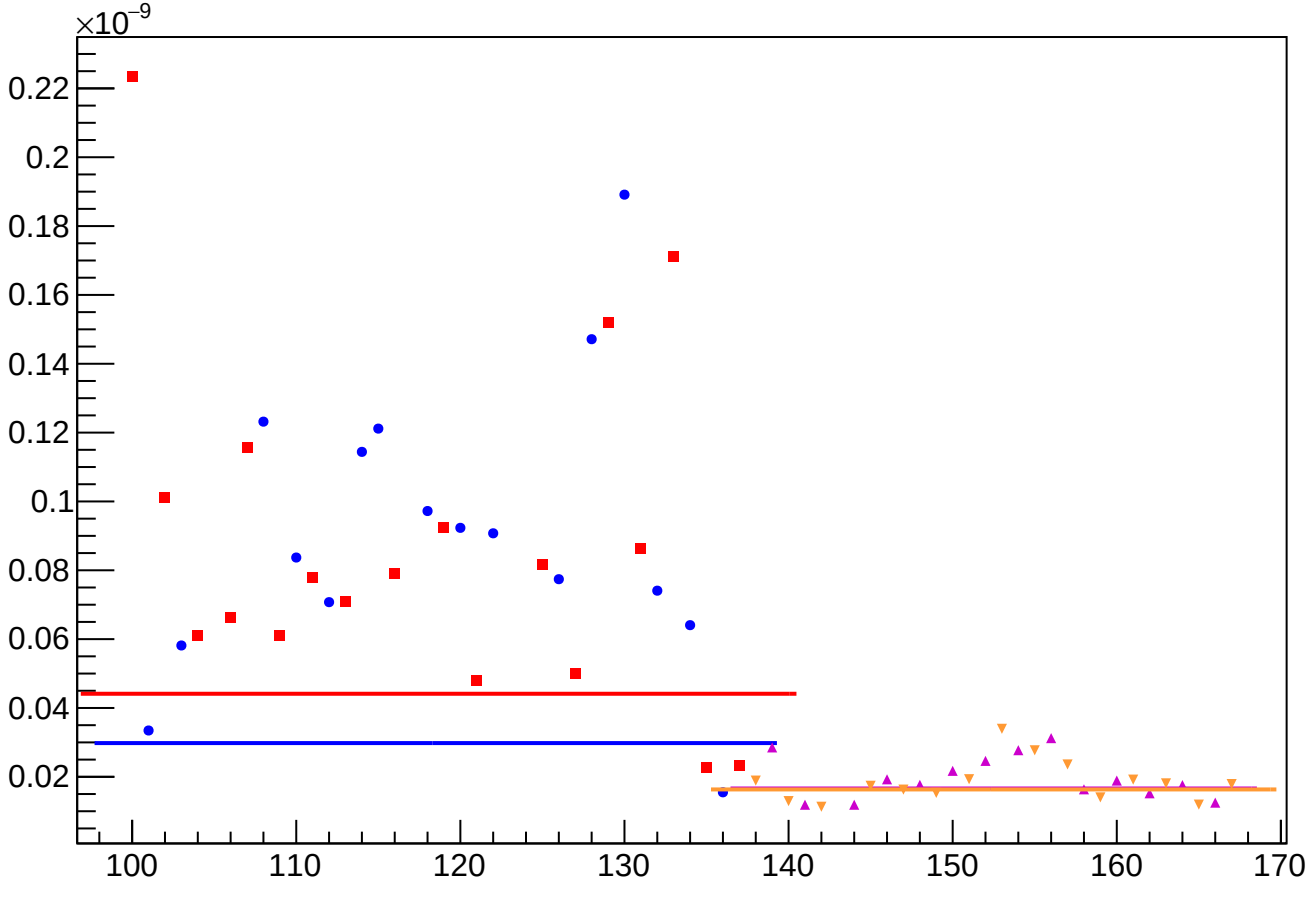
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:37.3/29

Out: 0.000+/-0.000 χ^2/NDF:24.0/32

All: 0.000+/-0.000 χ^2/NDF: 62.8/62

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:951483.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1279394.7/13

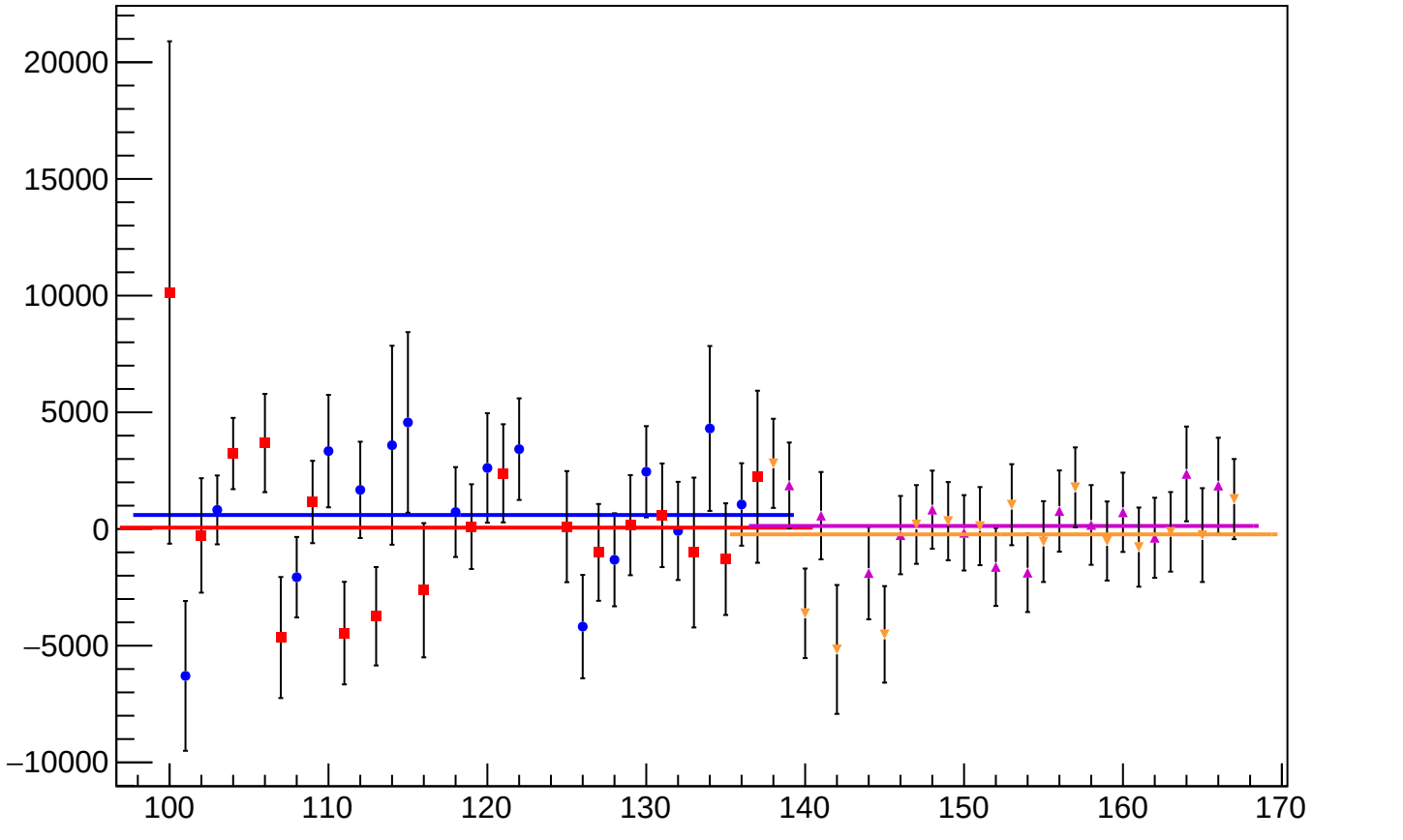
Left: 0.000+/-0.000 χ^2/NDF: 2232751.6/28

Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:6194678.6/29

Out: 0.000+/-0.000 χ^2/NDF:6088210.7/32

All: 0.000+/-0.000 χ^2/NDF: 12283168.0/62



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -228.474+/-465.817 χ^2/NDF:16.2/14

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 130.617+/-472.442 χ^2/NDF:7.0/13

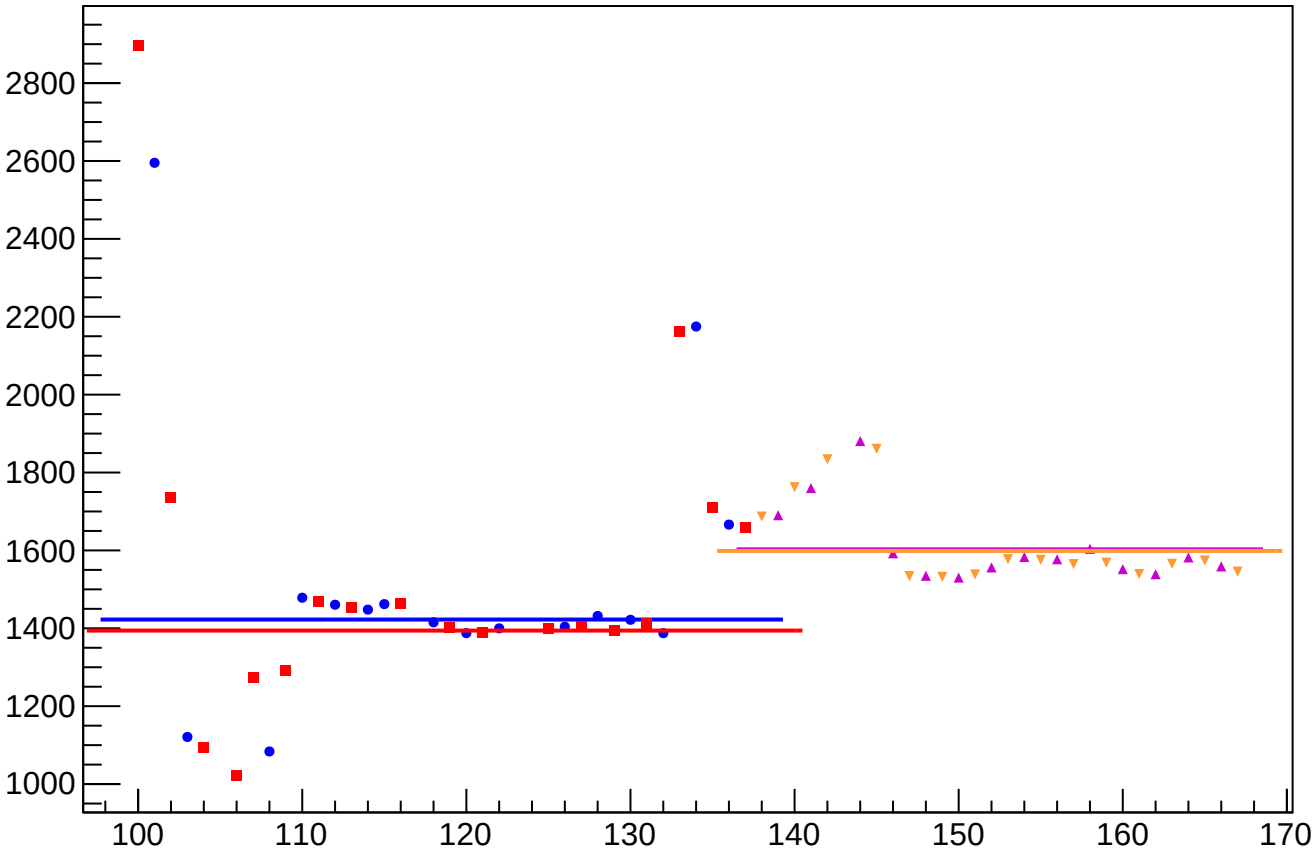
Left: -51.464+/-331.700 χ^2/NDF: 23.5/28

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 334.168+/-355.583 χ^2/NDF:27.8/29

Out: -103.204+/-349.945 χ^2/NDF:38.9/32

All: 111.987+/-249.418 χ^2/NDF: 67.5/62



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1598.721+/-0.329 χ^2/NDF:81621.0/14

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1602.750+/-0.334 χ^2/NDF:73379.8/13

Left: 1600.707+/-0.235 χ^2/NDF: 155074.5/28

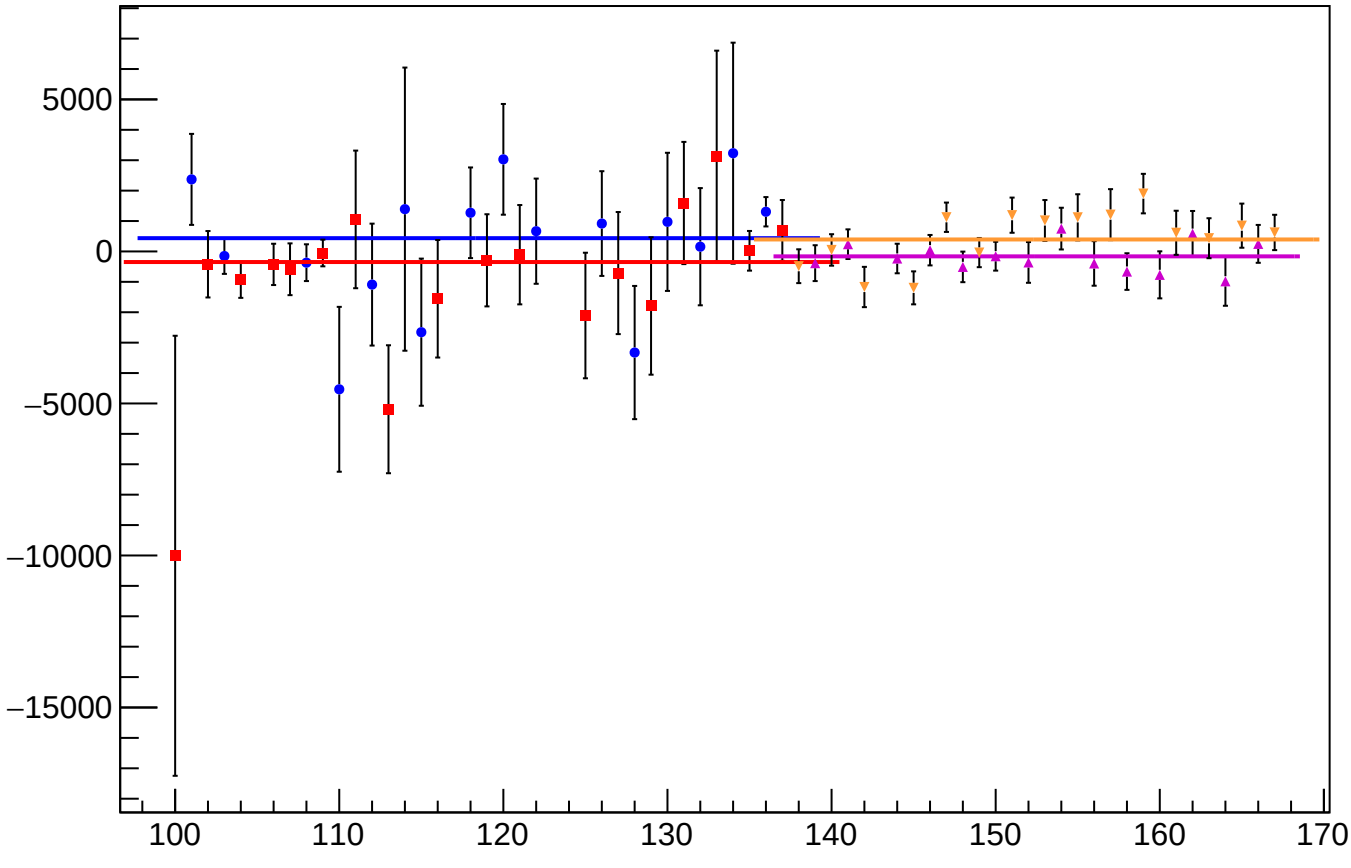
Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1524.614+/-0.251 χ^2/NDF:759827.6/29

Out: 1509.614+/-0.247 χ^2/NDF:643287.6/32

All: 1516.994+/-0.176 χ^2/NDF: 1404923.3/62

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 393.609+/-156.021 χ^2/NDF:30.9/14

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -161.919+/-157.578 χ^2/NDF:7.2/13

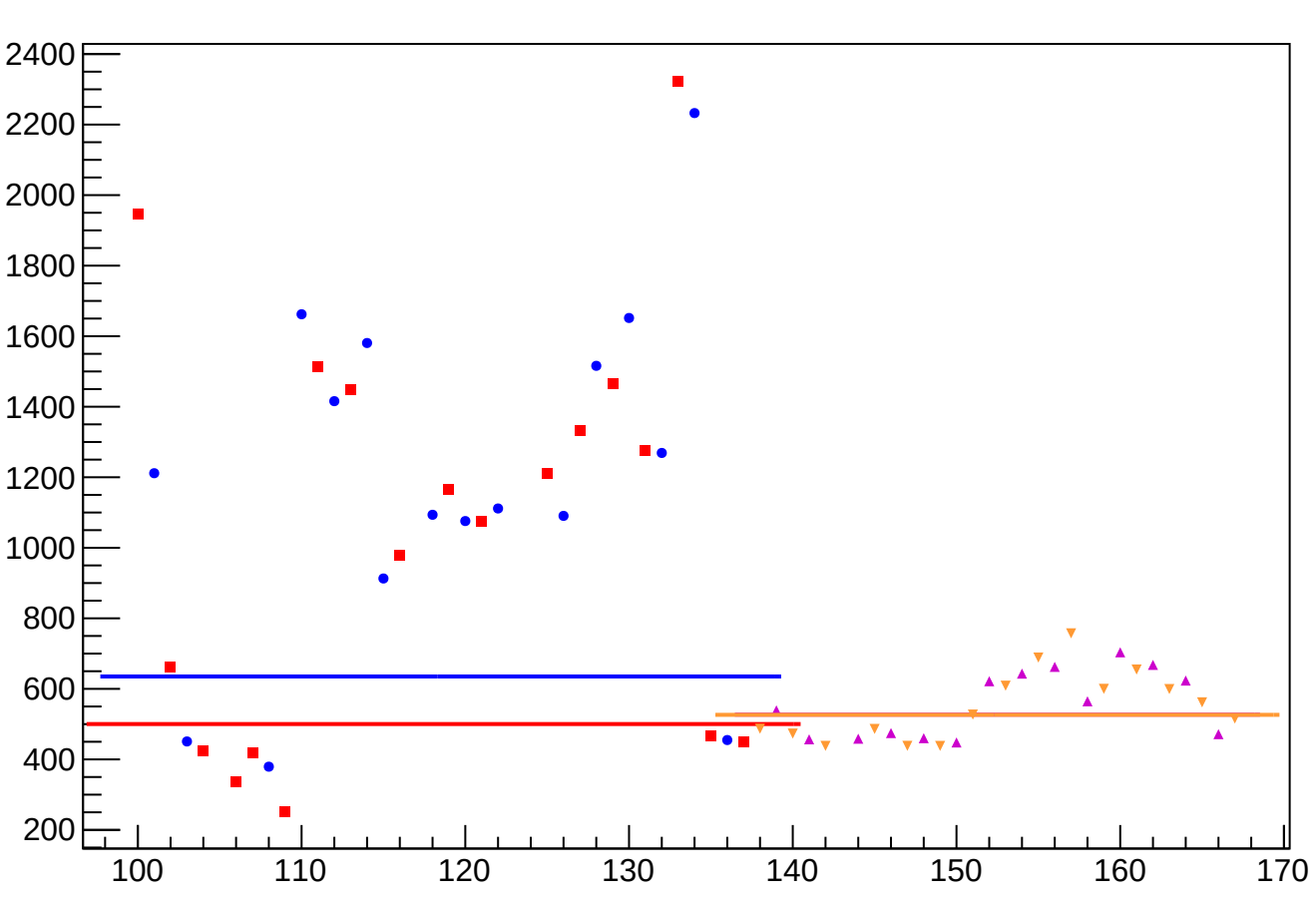
Left: 118.602+/-110.870 χ^2/NDF: 44.4/28

Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -14.739+/-136.835 χ^2/NDF:30.1/29

Out: 164.858+/-129.769 χ^2/NDF:51.8/32

All: 79.817+/-94.159 χ^2/NDF: 82.8/62



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 526.324+/-0.110 χ^2/NDF:603379.5/14

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 526.863+/-0.111 χ^2/NDF:588005.4/13

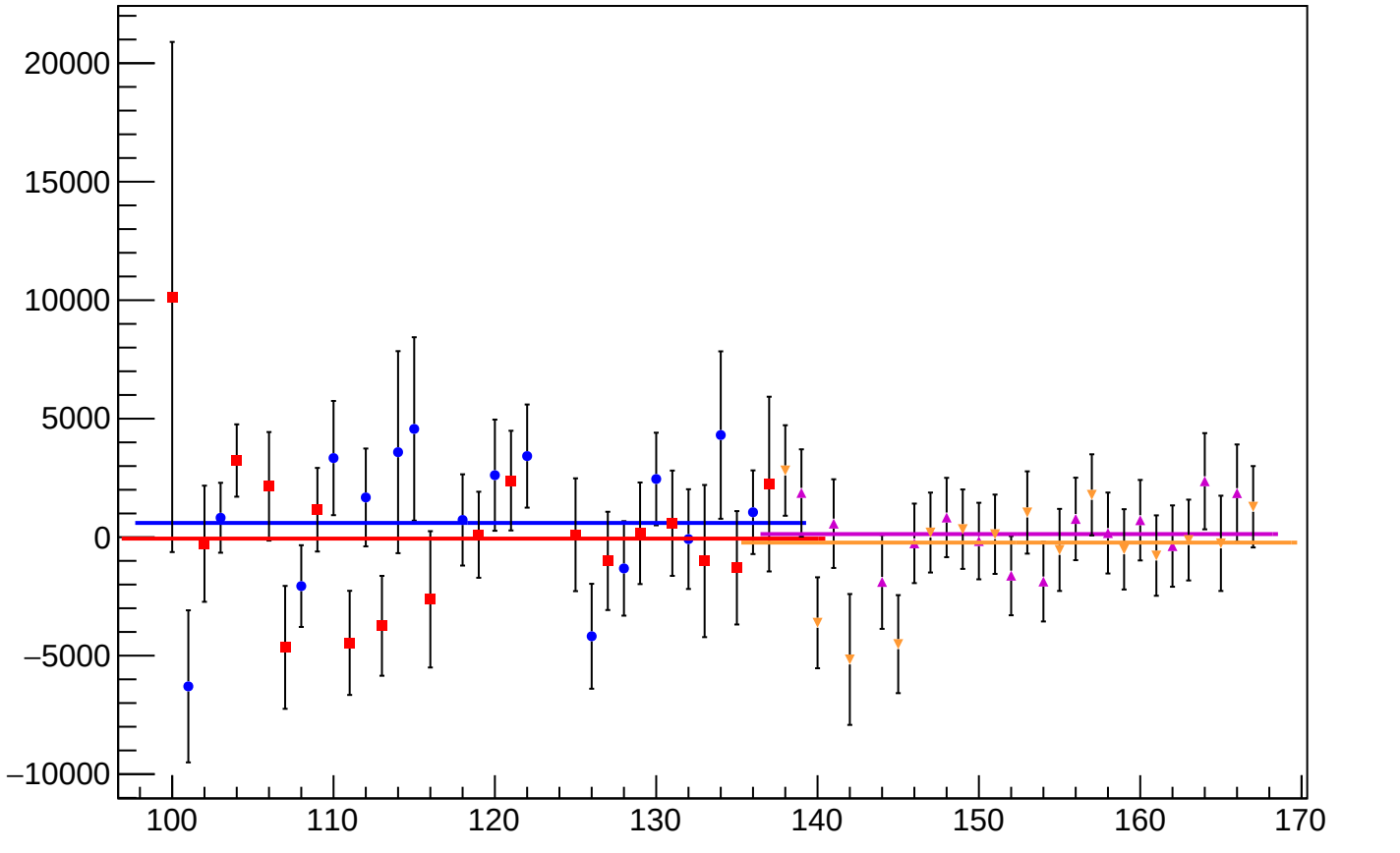
Left: 526.591+/-0.078 χ^2/NDF: 1191396.7/28

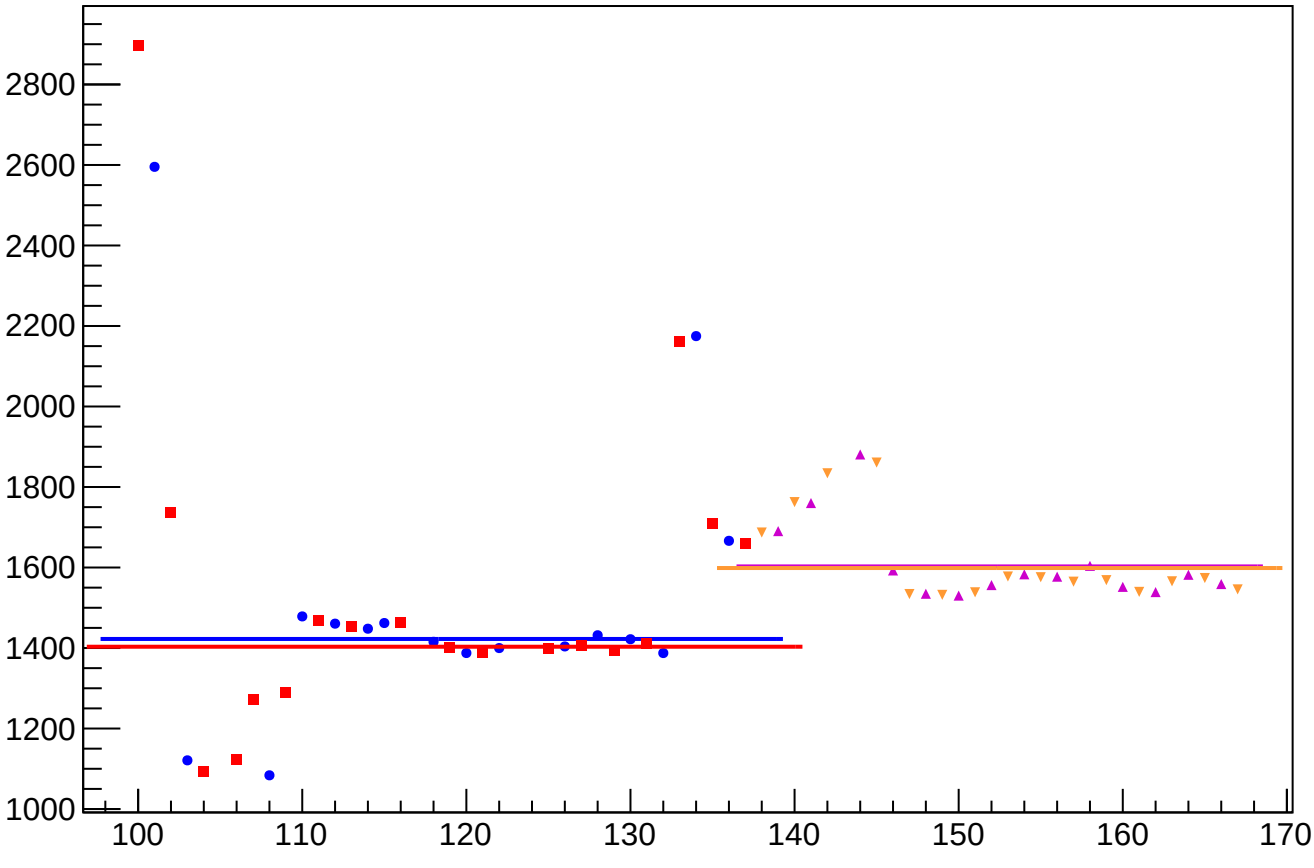
Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 553.492+/-0.097 χ^2/NDF:4572813.6/29

Out: 518.282+/-0.092 χ^2/NDF:4929713.6/32

All: 534.954+/-0.067 χ^2/NDF: 9572246.3/62


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -228.581+/-465.817 χ²/NDF:16.2/14
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 130.608+/-472.442 χ²/NDF:7.0/13
Left: -51.523+/-331.700 χ²/NDF: 23.5/28
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 334.107+/-355.583 χ²/NDF:27.8/29
Out: -155.708+/-350.695 χ²/NDF:36.6/32
All: 85.810+/-249.689 χ²/NDF: 65.4/62



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1598.721+/-0.329 χ^2/NDF:81621.0/14

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1602.750+/-0.334 χ^2/NDF:73379.8/13

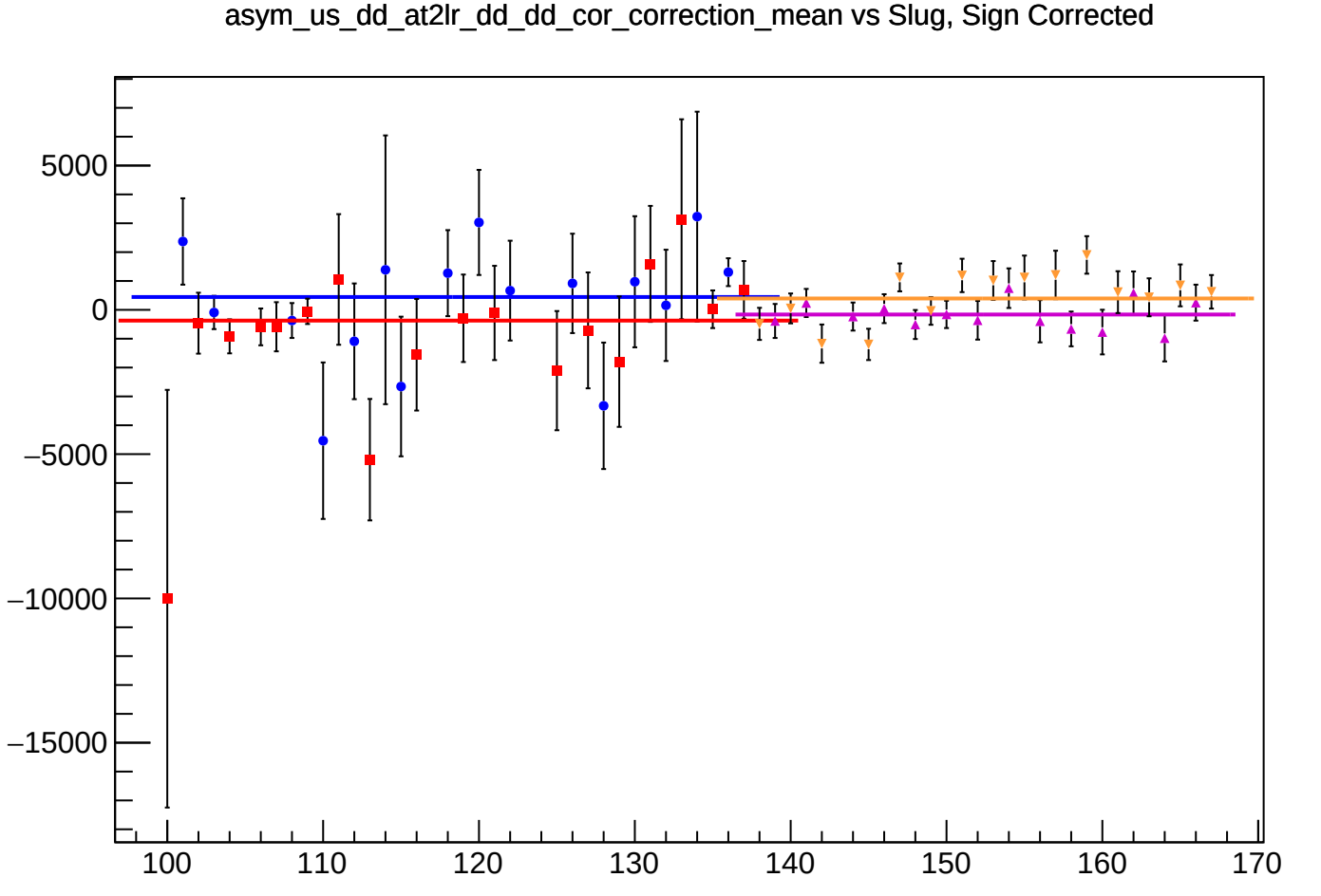
Left: 1600.707+/-0.235 χ^2/NDF: 155074.5/28

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1524.614+/-0.251 χ^2/NDF:759828.0/29

Out: 1514.029+/-0.248 χ^2/NDF:593346.3/32

All: 1519.248+/-0.177 χ^2/NDF: 1354072.6/62



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 393.676+/-156.024 χ^2/NDF:30.9/14

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -161.962+/-157.576 χ^2/NDF:7.2/13

Left: 118.607+/-110.870 χ^2/NDF: 44.4/28

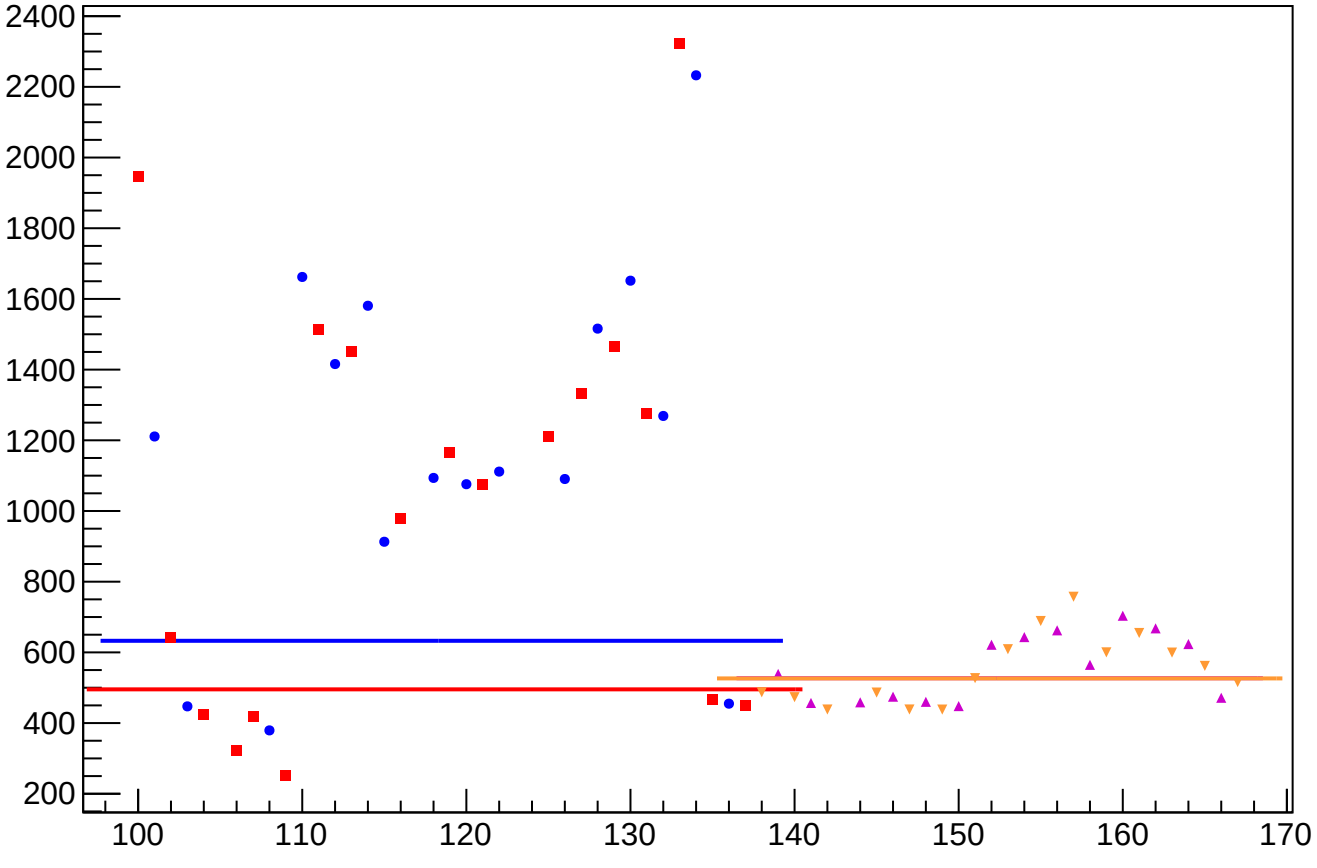
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -11.689+/-136.689 χ^2/NDF:30.1/29

Out: 154.137+/-129.356 χ^2/NDF:52.4/32

All: 75.792+/-93.954 χ^2/NDF: 83.3/62

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 526.334+/-0.110 χ^2/NDF:603265.4/14

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 526.858+/-0.111 χ^2/NDF:588029.2/13

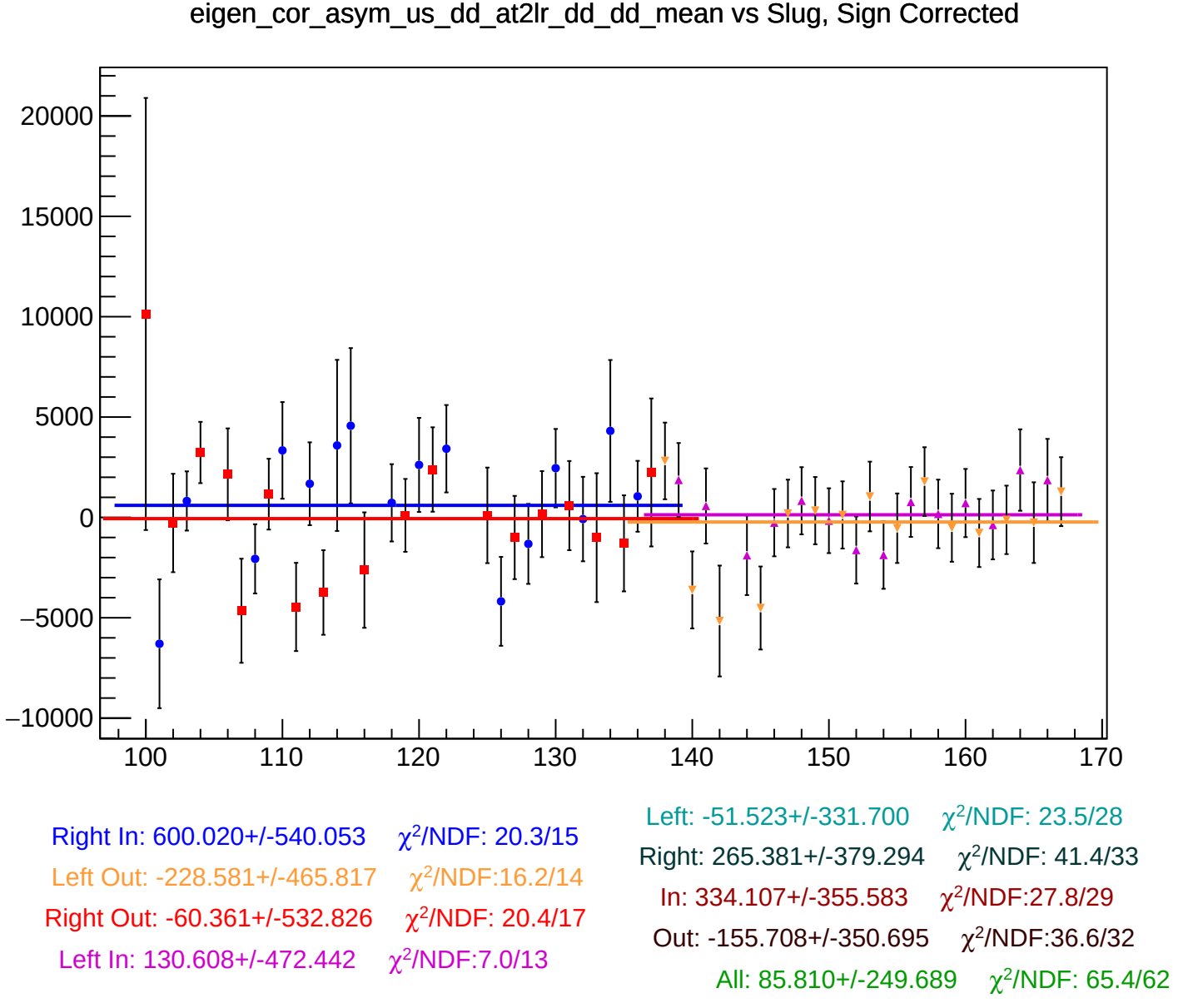
Left: 526.593+/-0.078 χ^2/NDF: 1191305.8/28

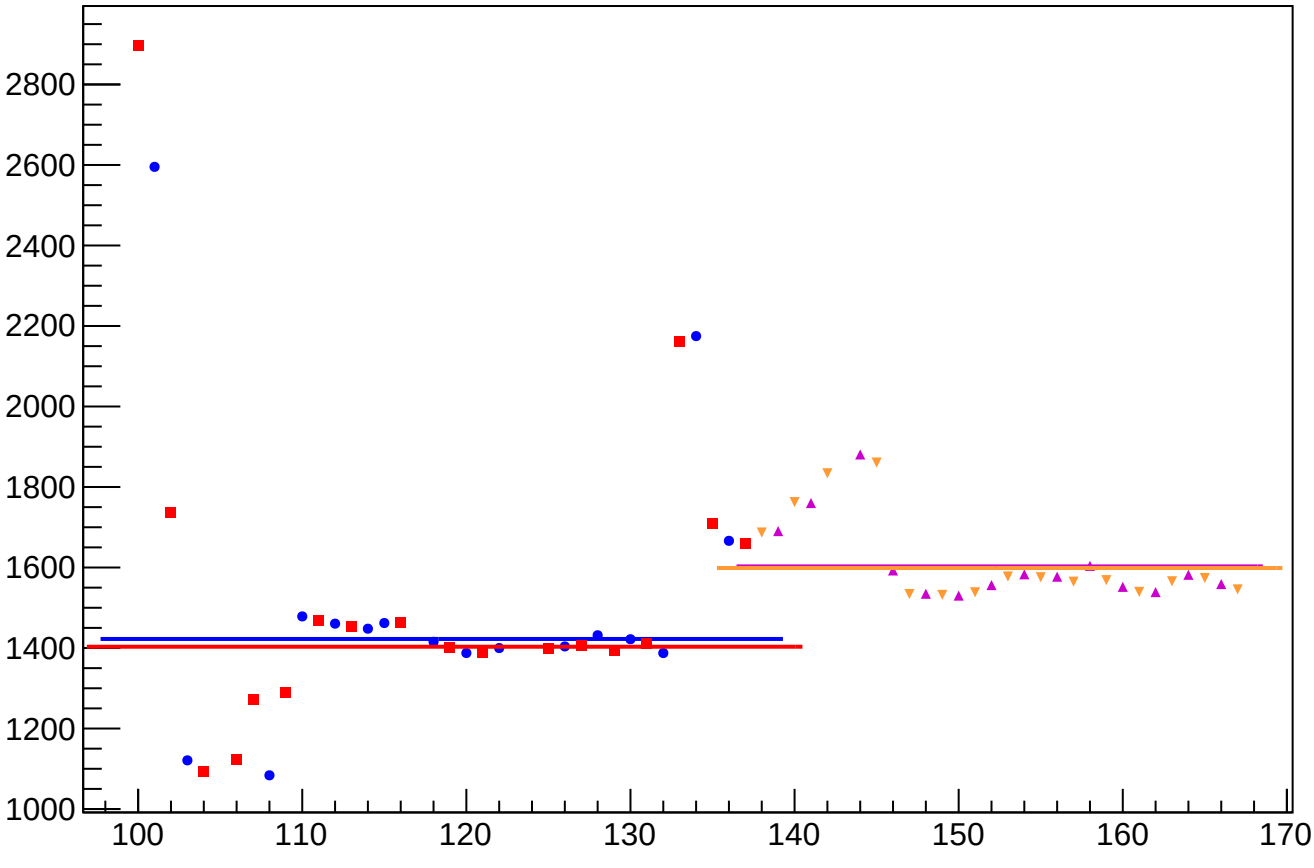
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 553.070+/-0.097 χ^2/NDF:4579340.5/29

Out: 516.657+/-0.091 χ^2/NDF:4965360.1/32

All: 533.861+/-0.066 χ^2/NDF: 9619576.1/62


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -228.581+/-465.817 χ²/NDF:16.2/14
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 130.608+/-472.442 χ²/NDF:7.0/13
Left: -51.523+/-331.700 χ²/NDF: 23.5/28
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 334.107+/-355.583 χ²/NDF:27.8/29
Out: -155.708+/-350.695 χ²/NDF:36.6/32
All: 85.810+/-249.689 χ²/NDF: 65.4/62



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1598.721+/-0.329 χ^2/NDF:81621.0/14

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1602.750+/-0.334 χ^2/NDF:73379.8/13

Left: 1600.707+/-0.235 χ^2/NDF: 155074.5/28

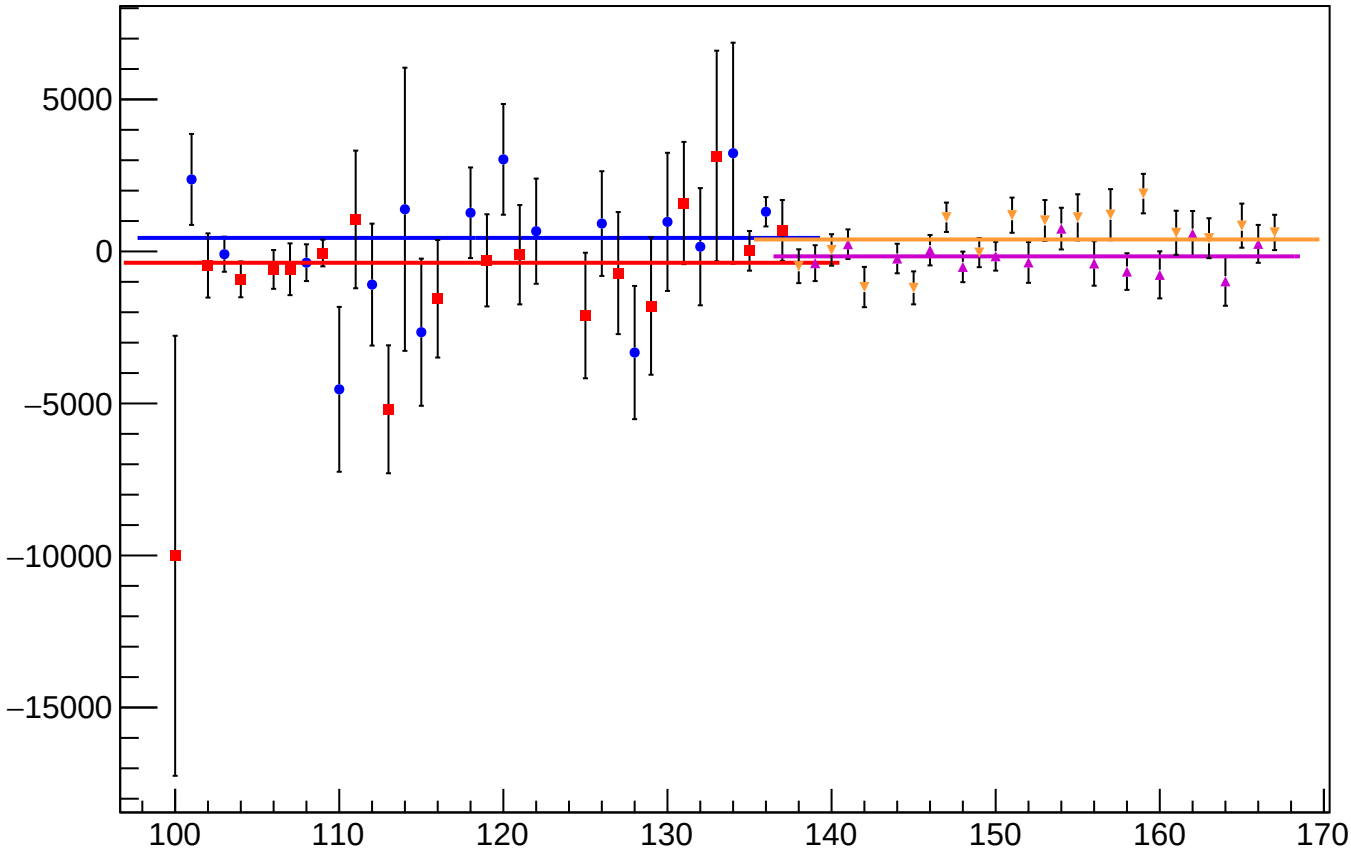
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1524.614+/-0.251 χ^2/NDF:759828.0/29

Out: 1514.029+/-0.248 χ^2/NDF:593346.3/32

All: 1519.248+/-0.177 χ^2/NDF: 1354072.6/62

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 393.676+/-156.024 χ^2/NDF:30.9/14

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -161.962+/-157.576 χ^2/NDF:7.2/13

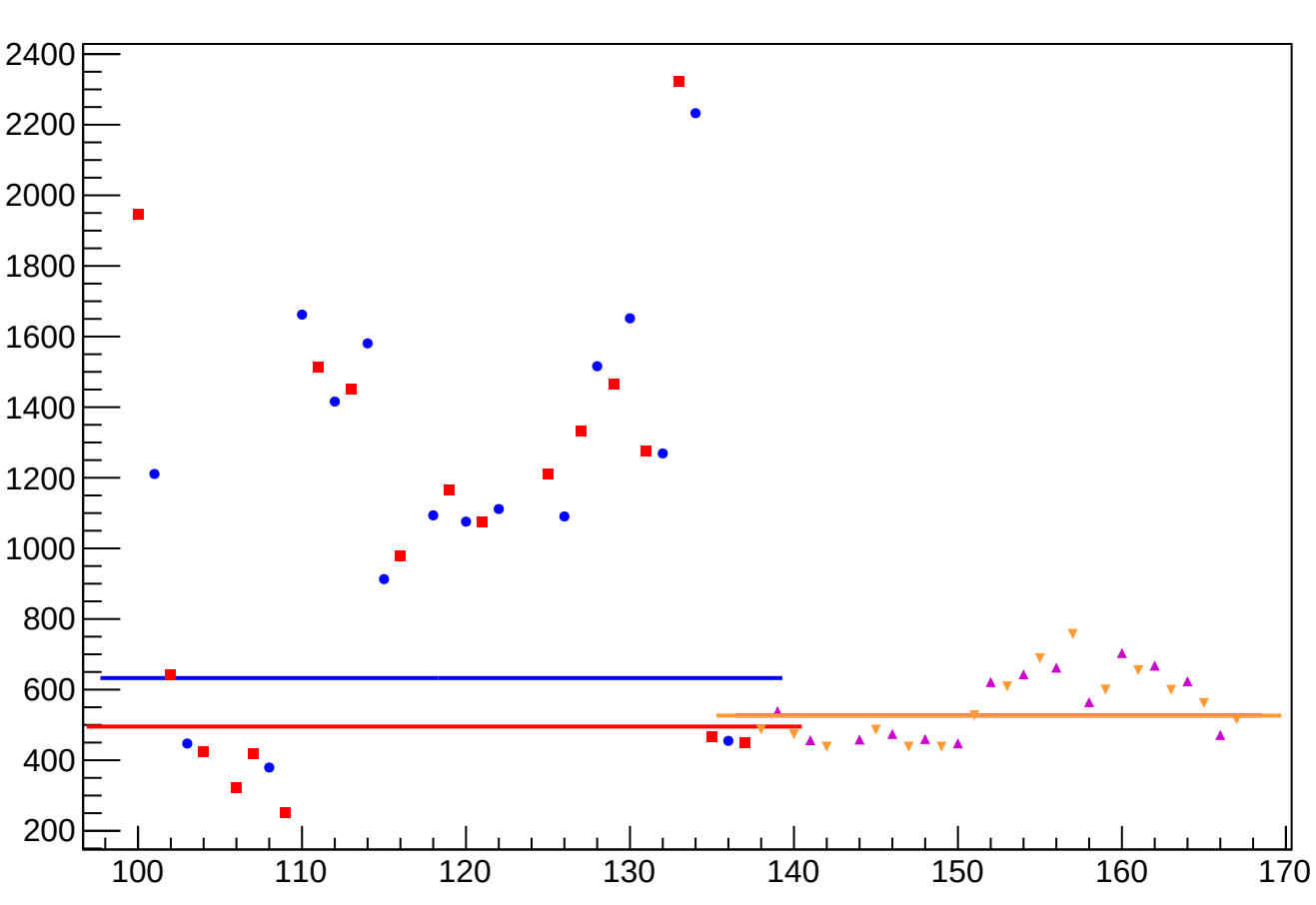
Left: 118.607+/-110.870 χ^2/NDF: 44.4/28

Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -11.689+/-136.689 χ^2/NDF:30.1/29

Out: 154.137+/-129.356 χ^2/NDF:52.4/32

All: 75.792+/-93.954 χ^2/NDF: 83.3/62



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 526.334+/-0.110 χ^2/NDF:603265.4/14

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 526.858+/-0.111 χ^2/NDF:588029.2/13

Left: 526.593+/-0.078 χ^2/NDF: 1191305.8/28

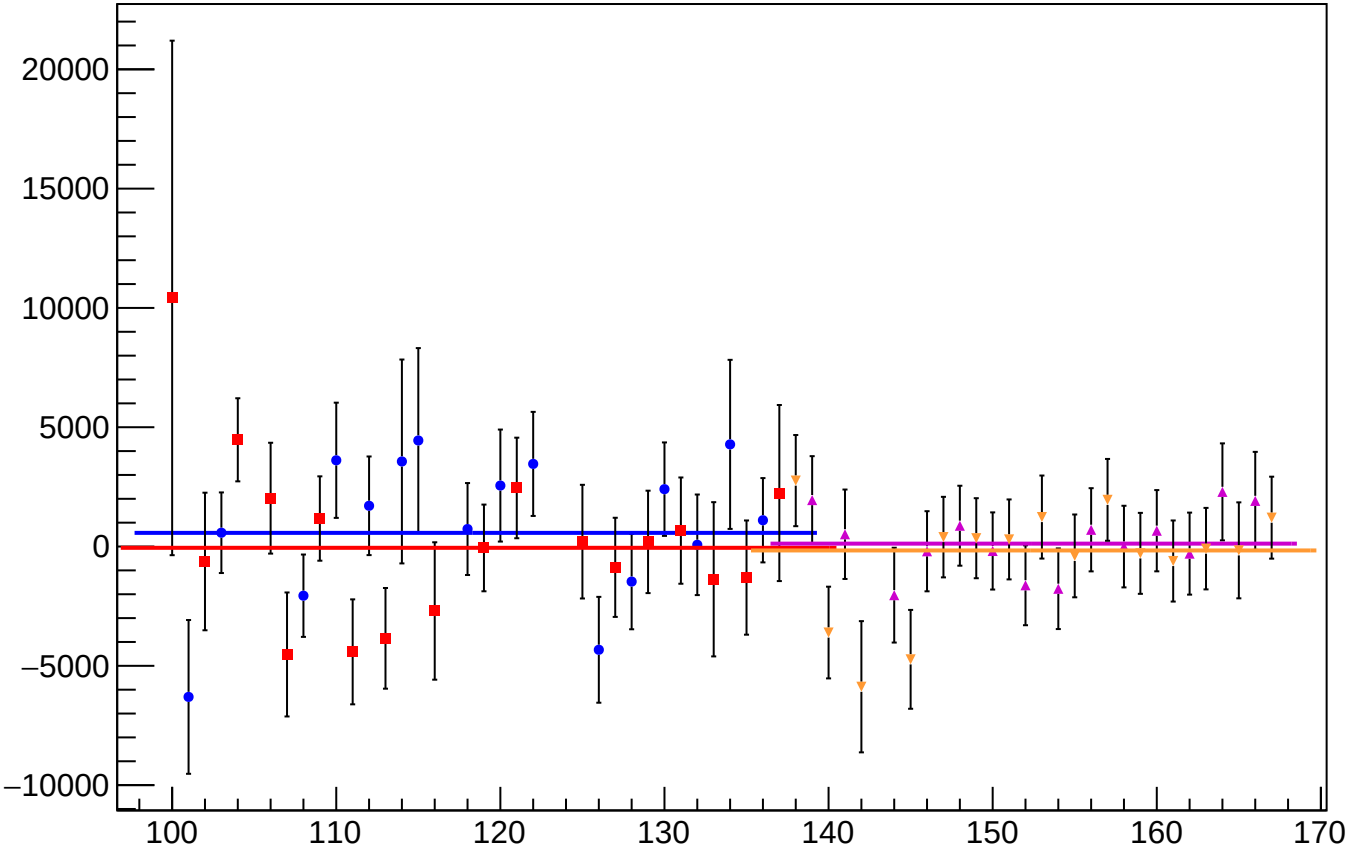
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 553.070+/-0.097 χ^2/NDF:4579340.5/29

Out: 516.657+/-0.091 χ^2/NDF:4965360.1/32

All: 533.861+/-0.066 χ^2/NDF: 9619576.1/62

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -164.307+/-466.360 χ^2/NDF:17.9/14

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 121.339+/-473.130 χ^2/NDF:7.0/13

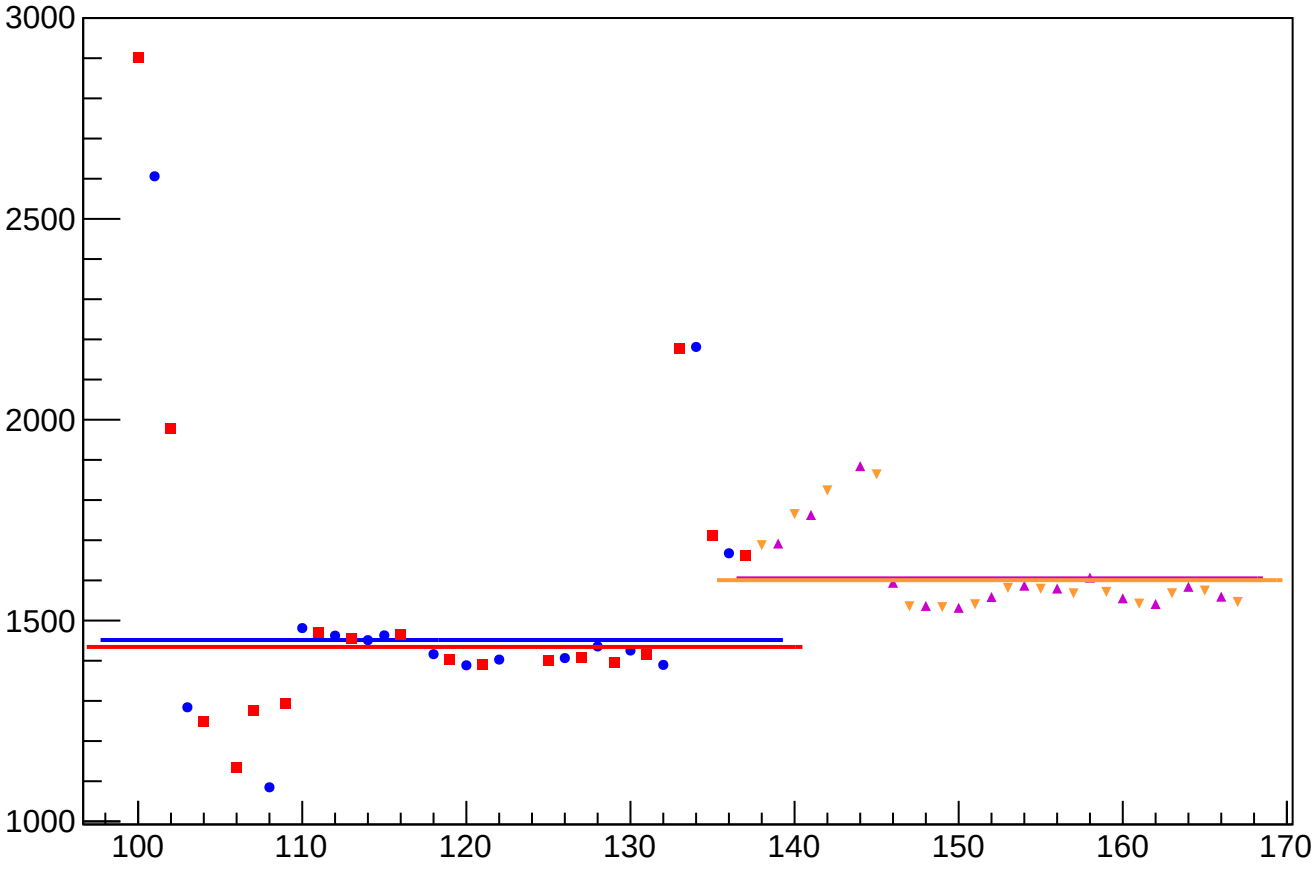
Left: -23.542+/-332.134 χ^2/NDF: 25.1/28

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 313.269+/-358.578 χ^2/NDF:28.2/29

Out: -117.610+/-354.435 χ^2/NDF:40.5/32

All: 95.326+/-252.075 χ^2/NDF: 69.3/62



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1600.556+/-0.330 χ^2/NDF:80379.7/14

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1605.067+/-0.335 χ^2/NDF:73601.8/13

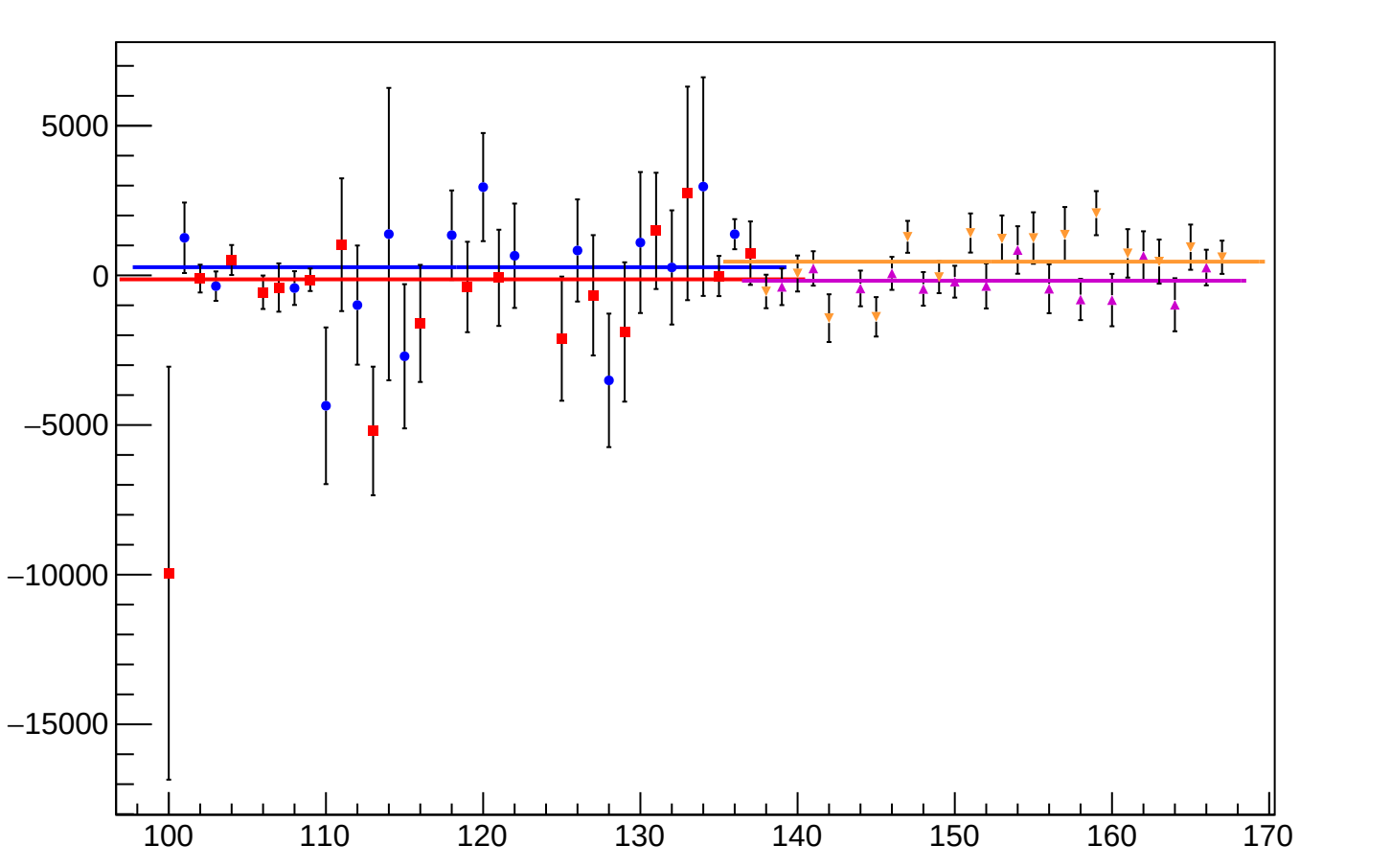
Left: 1602.779+/-0.235 χ^2/NDF: 154073.8/28

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1539.741+/-0.254 χ^2/NDF:651022.4/29

Out: 1530.339+/-0.251 χ^2/NDF:516306.9/32

All: 1534.985+/-0.178 χ^2/NDF: 1168024.8/62



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 458.196+/-172.601 χ^2/NDF:30.7/14

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -179.284+/-175.888 χ^2/NDF:6.8/13

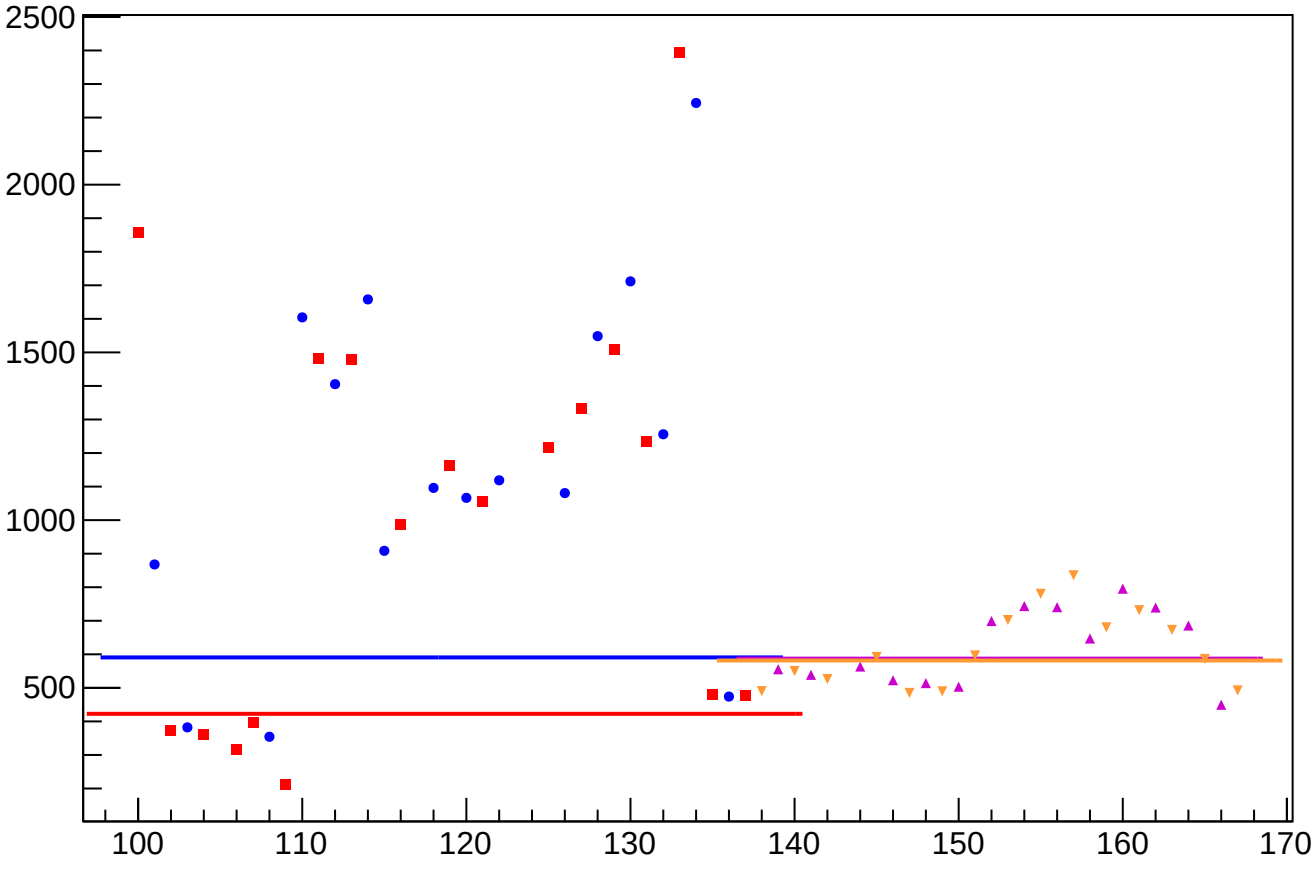
Left: 145.468+/-123.193 χ^2/NDF: 44.2/28

Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -37.548+/-145.778 χ^2/NDF:29.1/29

Out: 200.064+/-129.515 χ^2/NDF:50.3/32

All: 95.246+/-96.822 χ^2/NDF: 80.9/62



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 581.581+/-0.122 χ^2/NDF:687734.9/14

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 587.103+/-0.124 χ^2/NDF:653604.2/13

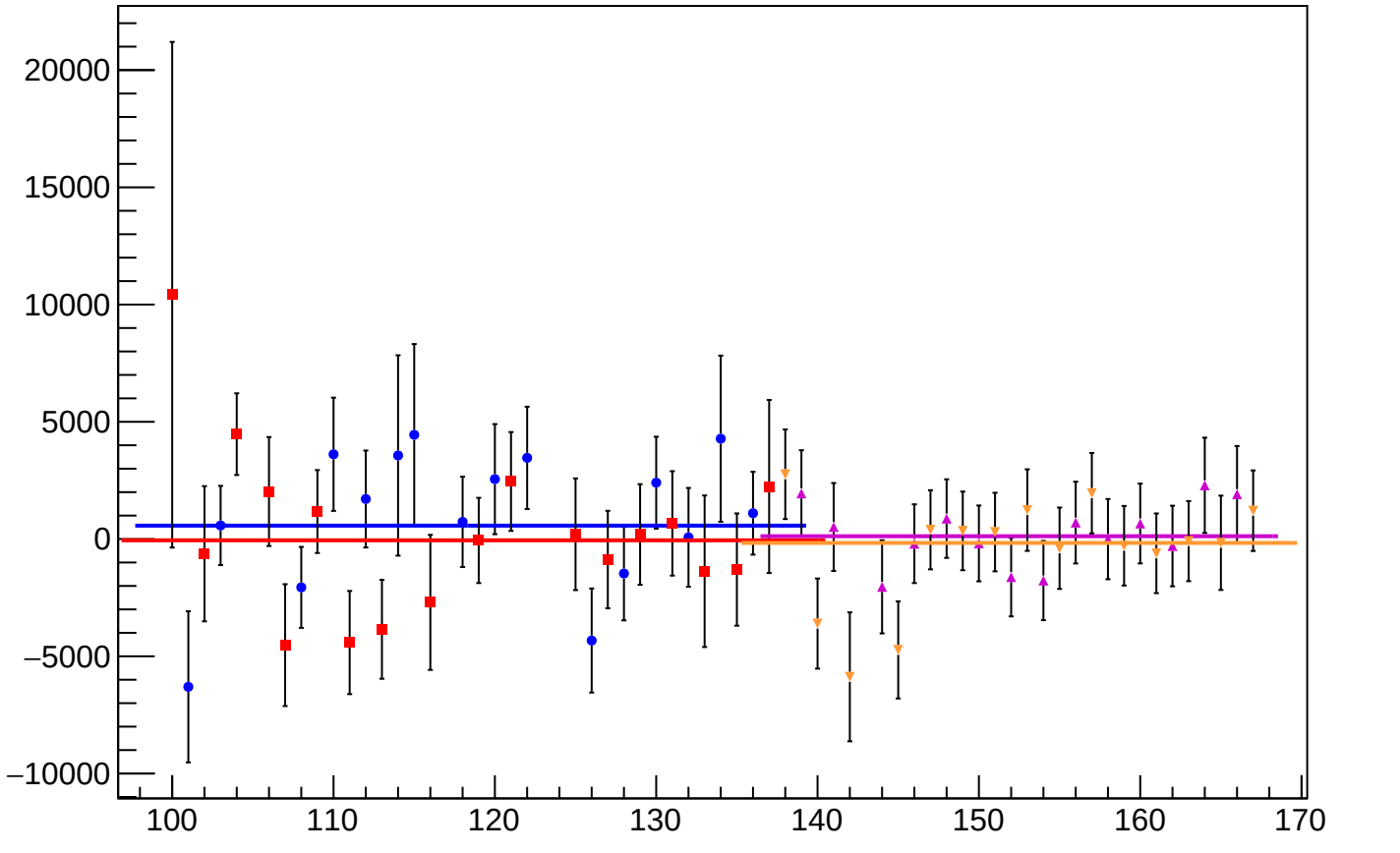
Left: 584.290+/-0.087 χ^2/NDF: 1342343.3/28

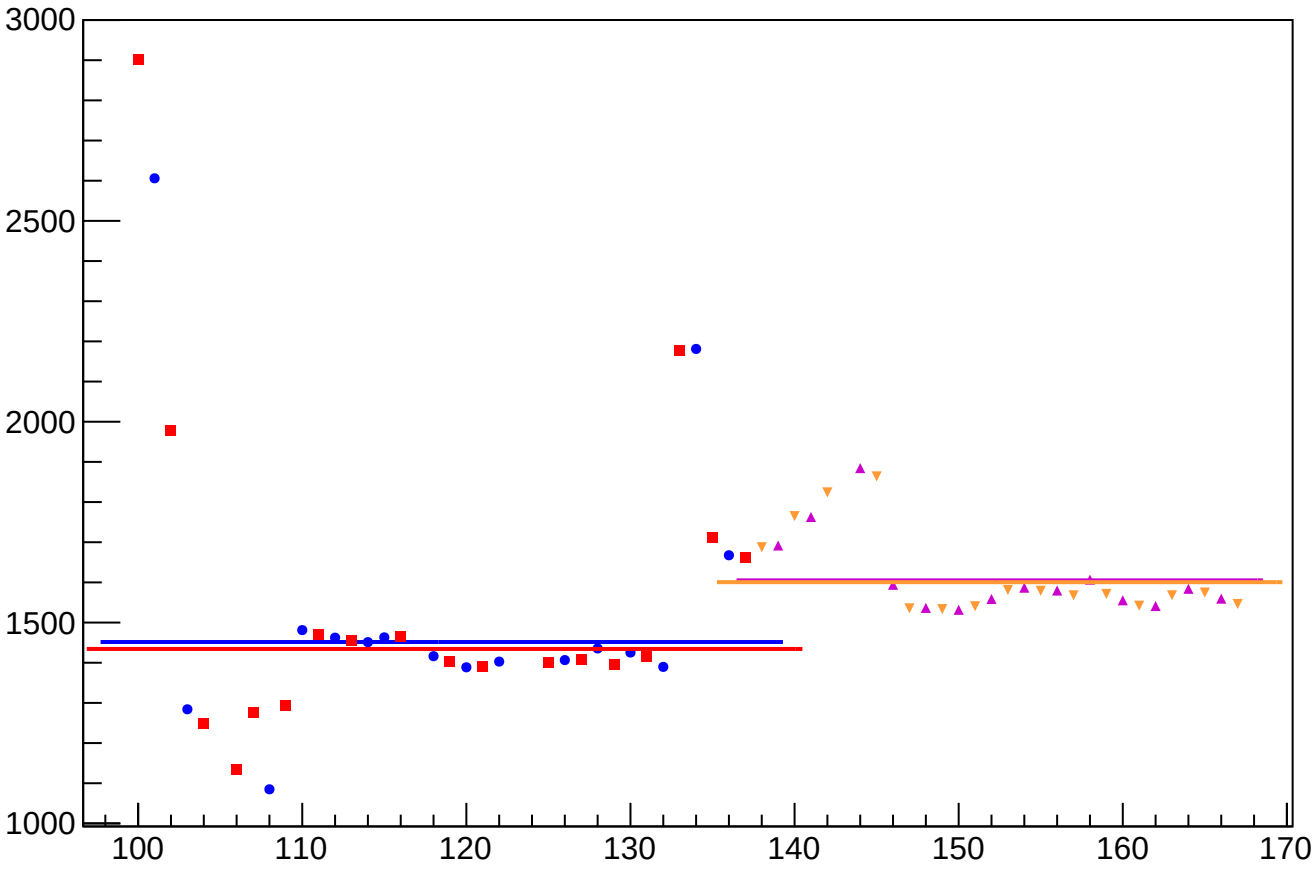
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 588.244+/-0.103 χ^2/NDF:4539375.4/29

Out: 512.128+/-0.092 χ^2/NDF:6286889.1/32

All: 545.705+/-0.068 χ^2/NDF: 11130992.0/62


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: -164.312+/-466.360 χ²/NDF:17.9/14
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: 121.341+/-473.130 χ²/NDF:7.0/13
Left: -23.544+/-332.134 χ²/NDF: 25.1/28
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 313.270+/-358.578 χ²/NDF:28.2/29
Out: -117.612+/-354.435 χ²/NDF:40.5/32
All: 95.326+/-252.075 χ²/NDF: 69.3/62



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1600.556+/-0.330 χ^2/NDF:80379.9/14

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1605.067+/-0.335 χ^2/NDF:73602.0/13

Left: 1602.779+/-0.235 χ^2/NDF: 154074.1/28

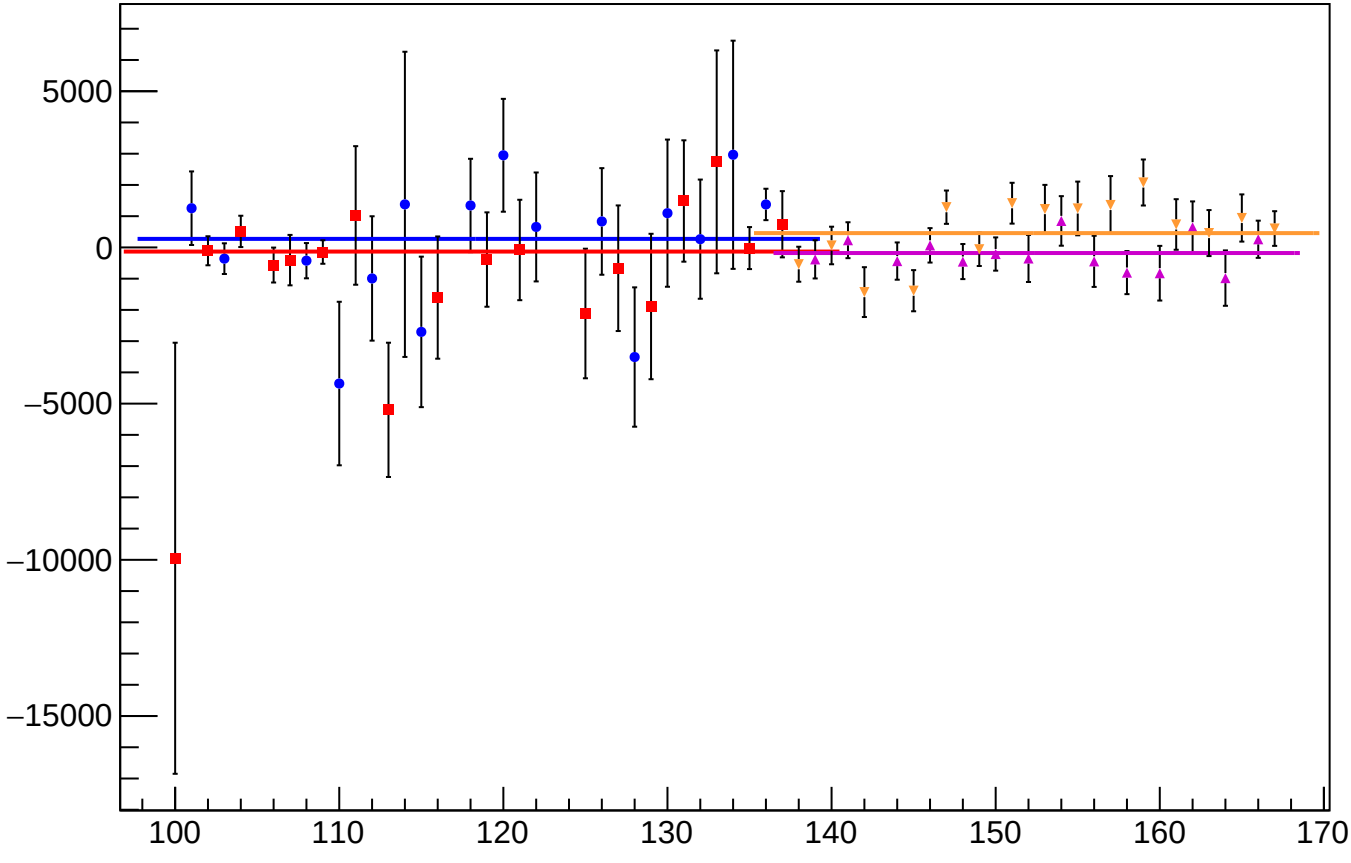
Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1539.741+/-0.254 χ^2/NDF:651022.1/29

Out: 1530.339+/-0.251 χ^2/NDF:516307.3/32

All: 1534.985+/-0.178 χ^2/NDF: 1168024.9/62

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 458.205+/-172.602 χ^2/NDF:30.7/14

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -179.285+/-175.888 χ^2/NDF:6.8/13

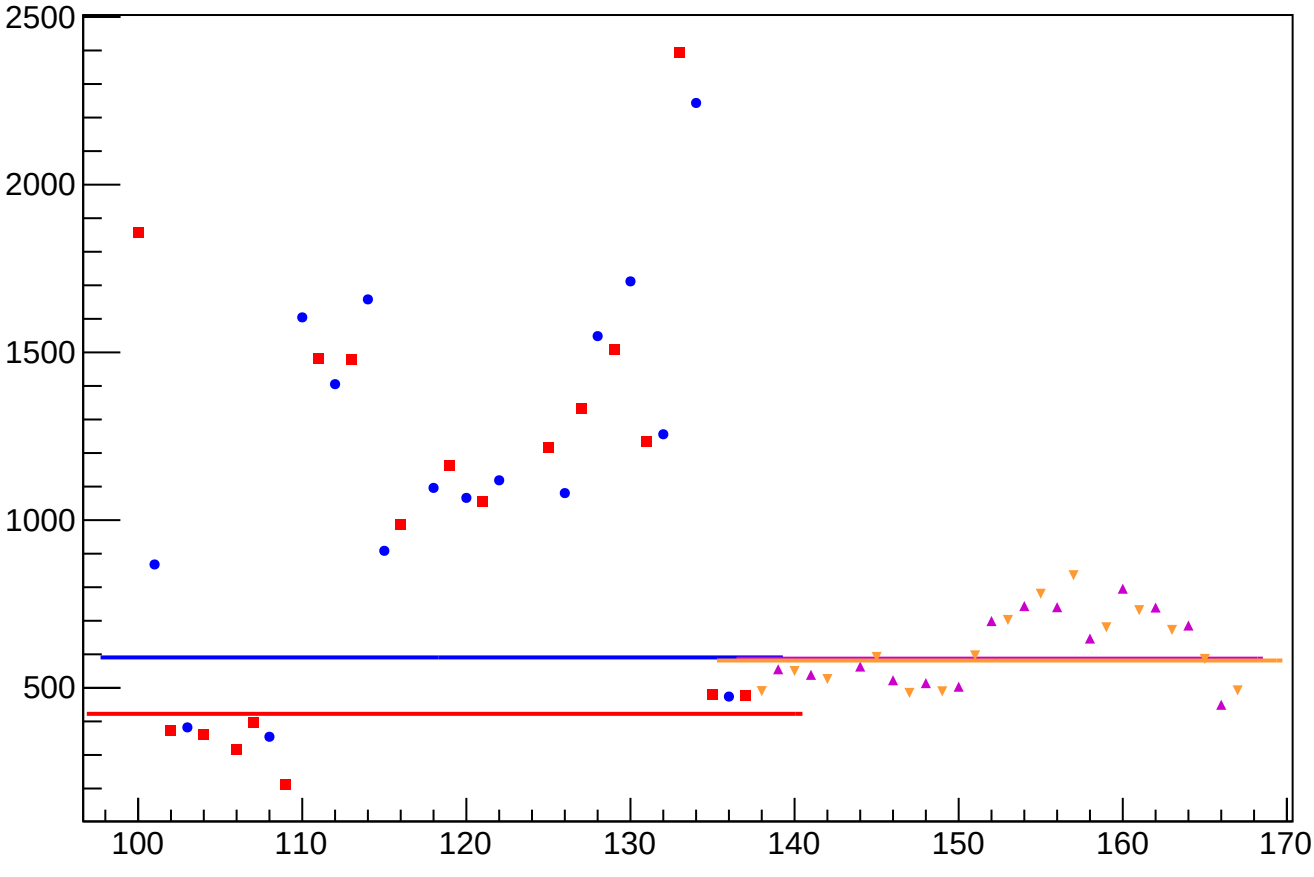
Left: 145.471+/-123.193 χ^2/NDF: 44.2/28

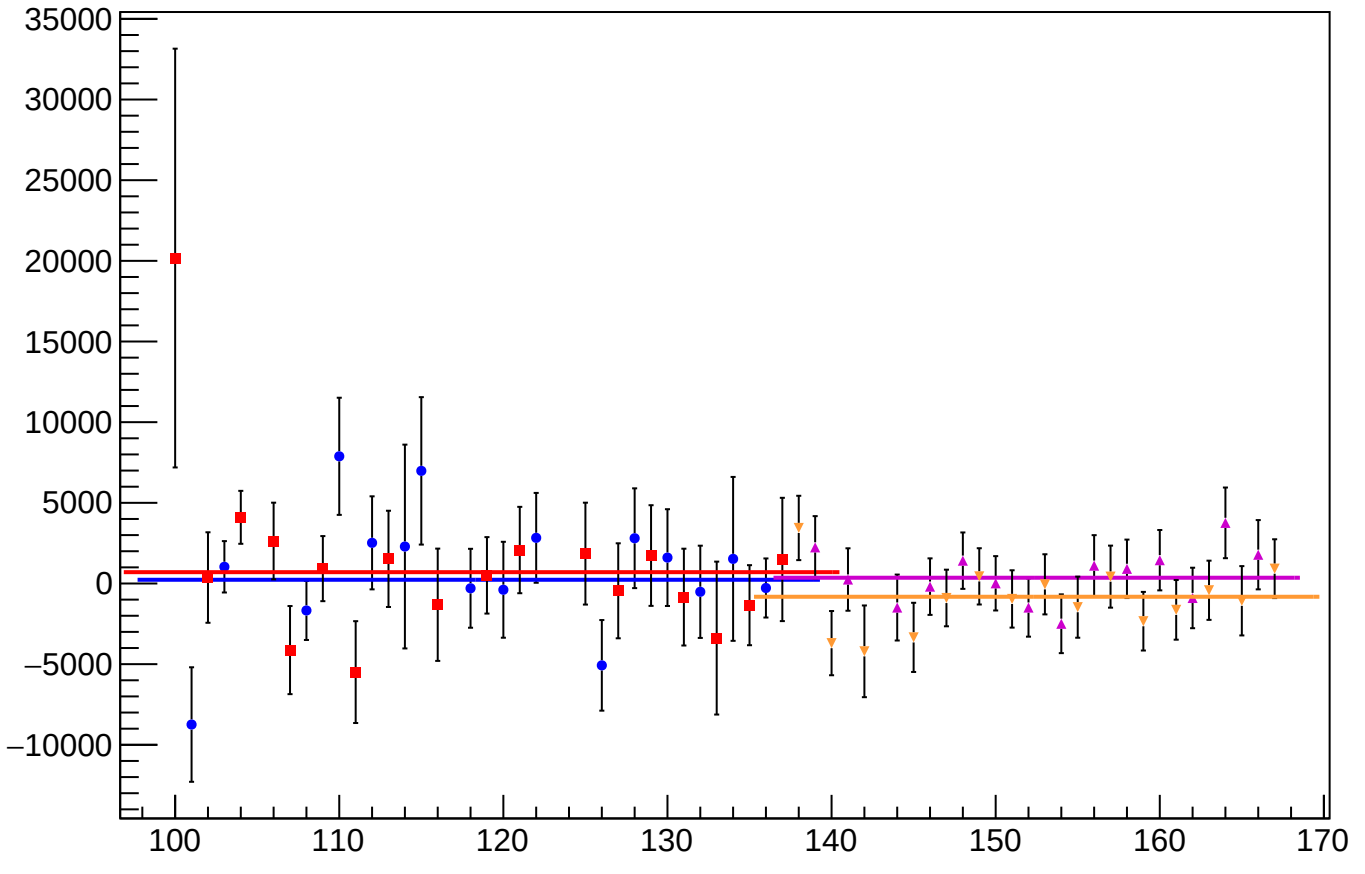
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -37.552+/-145.778 χ^2/NDF:29.1/29

Out: 200.073+/-129.516 χ^2/NDF:50.3/32

All: 95.249+/-96.823 χ^2/NDF: 80.9/62


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 590.747+/-0.184 χ²/NDF: 3885530.6/15
Left Out: 581.583+/-0.122 χ²/NDF:687722.7/14
Right Out: 422.634+/-0.139 χ²/NDF: 4857932.7/17
Left In: 587.103+/-0.124 χ²/NDF:653625.0/13
Left: 584.291+/-0.087 χ²/NDF: 1342351.2/28
Right: 483.366+/-0.111 χ²/NDF: 9275354.4/33
In: 588.244+/-0.103 χ²/NDF:4539424.4/29
Out: 512.132+/-0.092 χ²/NDF:6286754.4/32
All: 545.708+/-0.068 χ²/NDF: 11130870.8/62



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -822.222+/-496.133 χ^2/NDF:12.6/14

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 356.910+/-502.081 χ^2/NDF:9.7/13

Left: -239.682+/-352.903 χ^2/NDF: 25.0/28

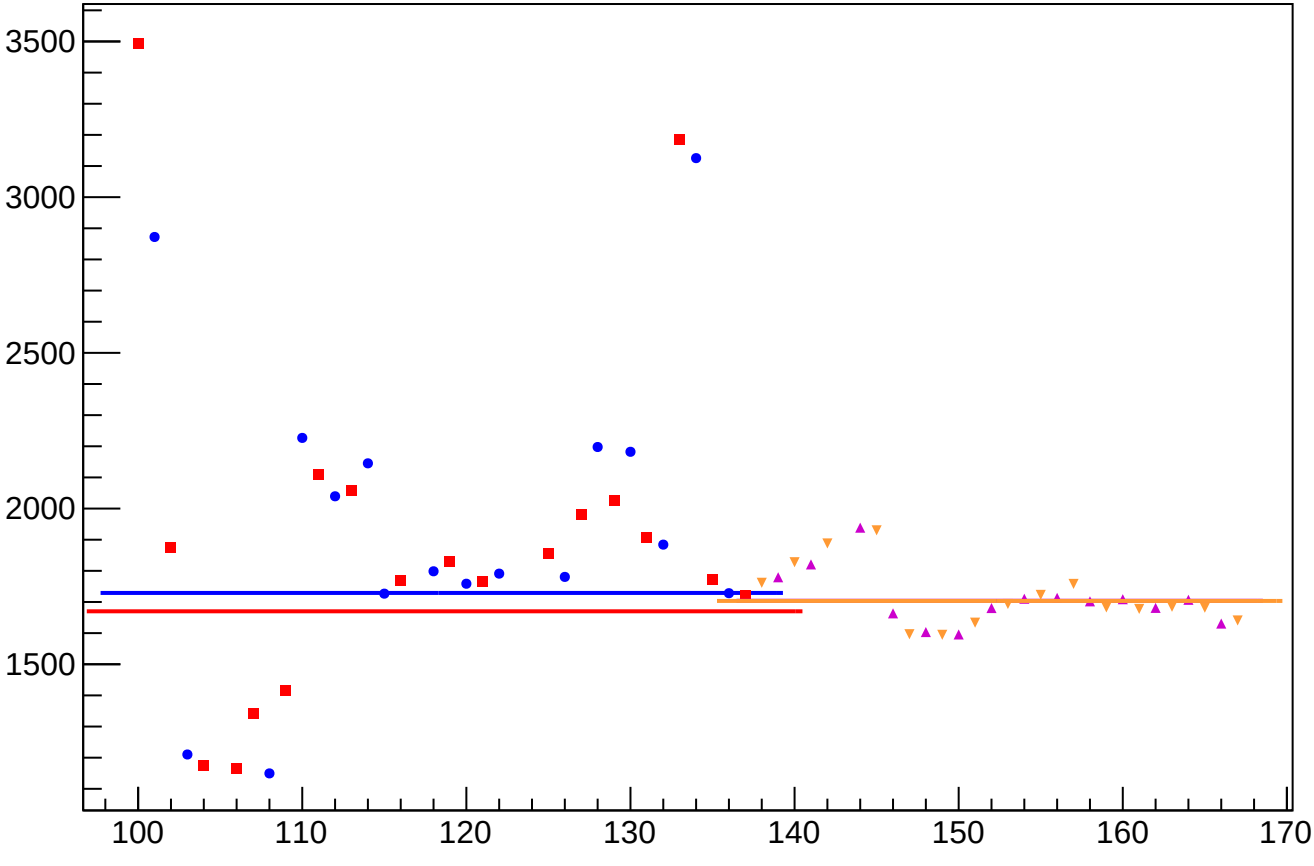
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 311.217+/-400.970 χ^2/NDF:30.4/29

Out: -259.177+/-394.002 χ^2/NDF:33.1/32

All: 21.021+/-281.033 χ^2/NDF: 64.5/62

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1703.365+/-0.351 χ^2/NDF:63901.7/14

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1703.917+/-0.355 χ^2/NDF:55690.8/13

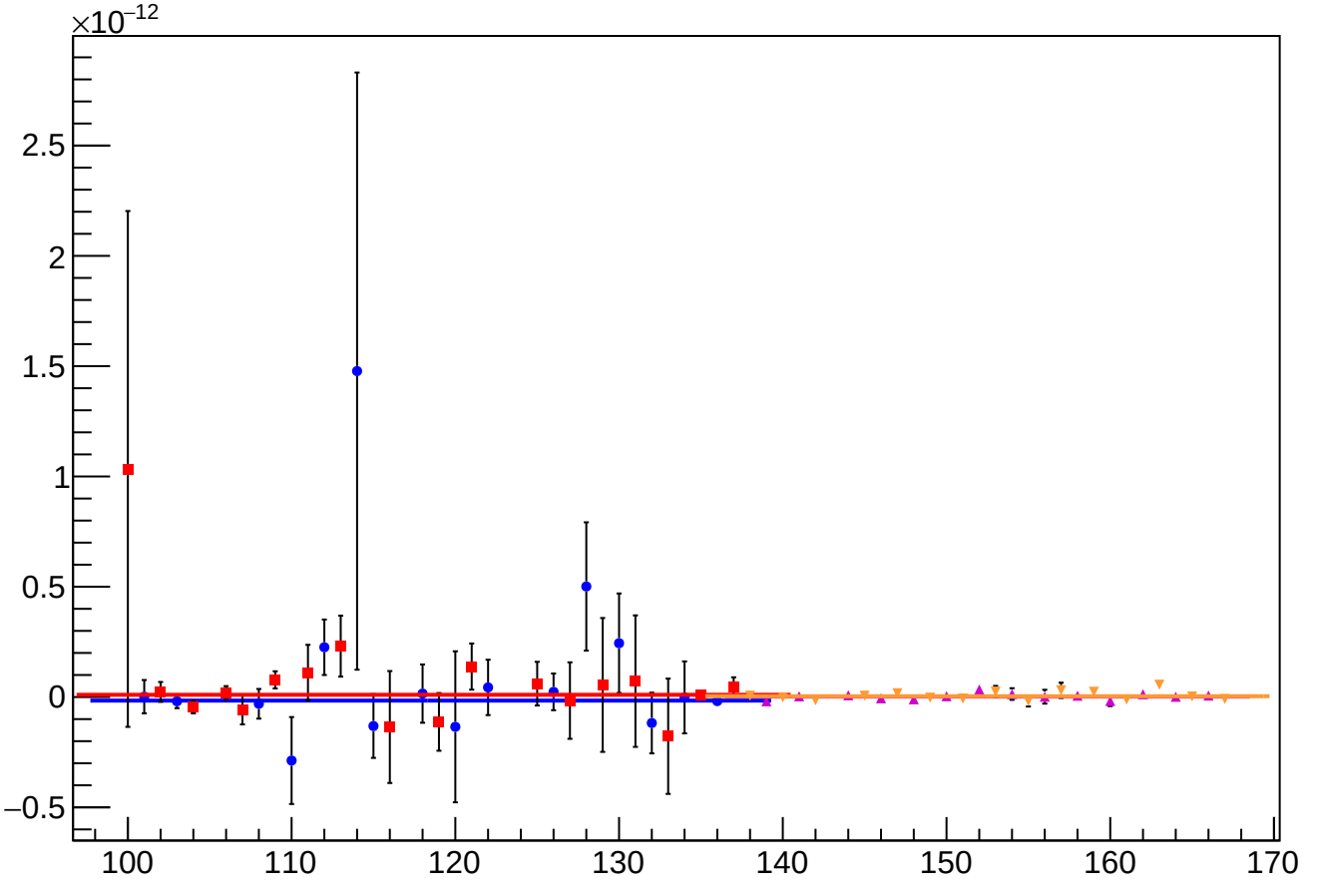
Left: 1703.638+/-0.250 χ^2/NDF: 119593.7/28

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1713.020+/-0.284 χ^2/NDF:999585.1/29

Out: 1691.063+/-0.279 χ^2/NDF:811683.2/32

All: 1701.849+/-0.199 χ^2/NDF: 1814319.6/62



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:7.0/13

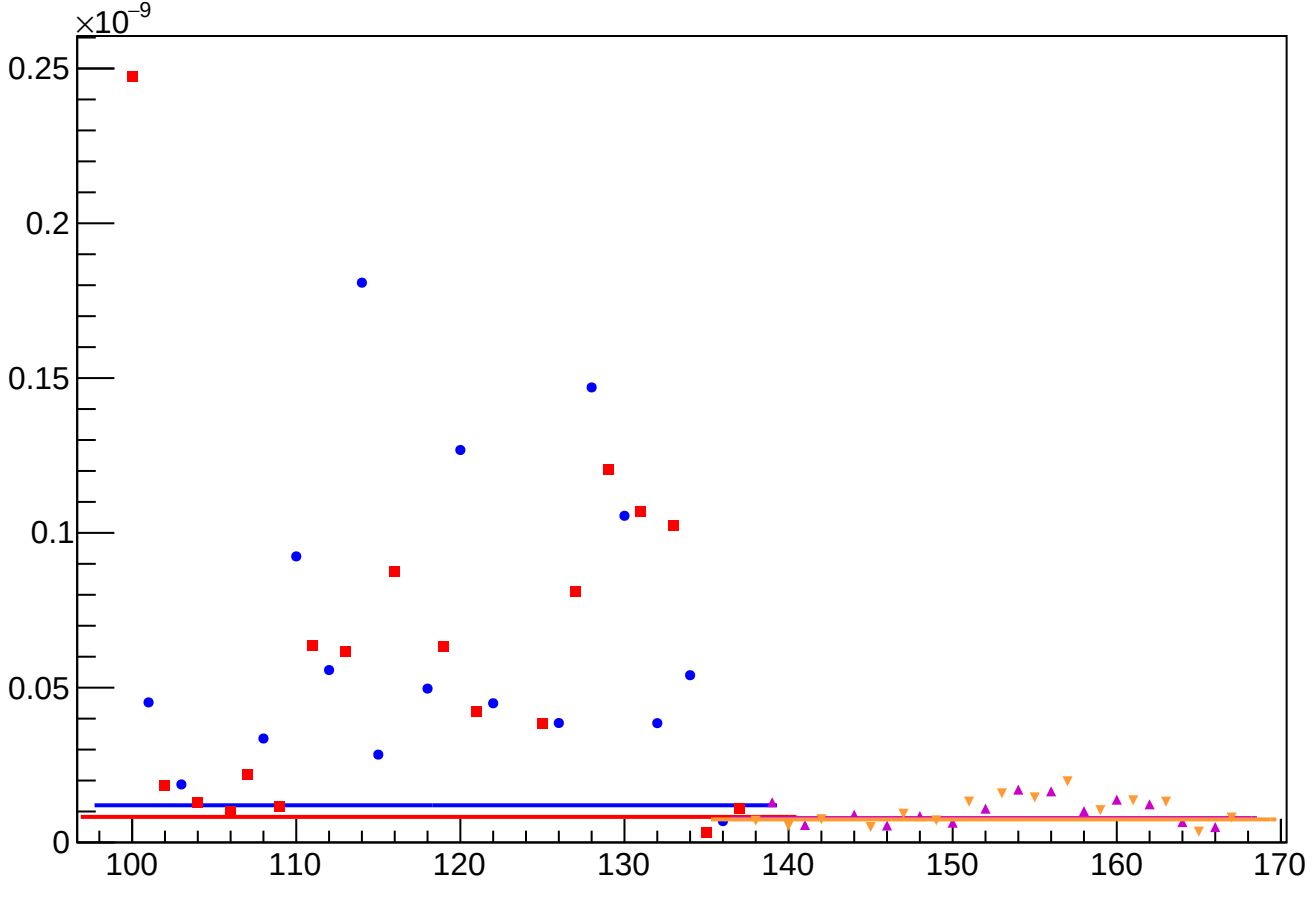
Left: 0.000+/-0.000 χ^2/NDF: 20.3/28

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:23.1/29

Out: 0.000+/-0.000 χ^2/NDF:30.1/32

All: 0.000+/-0.000 χ^2/NDF: 54.1/62



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1728973.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1274859.8/13

Left: 0.000+/-0.000 χ^2/NDF: 3016191.1/28

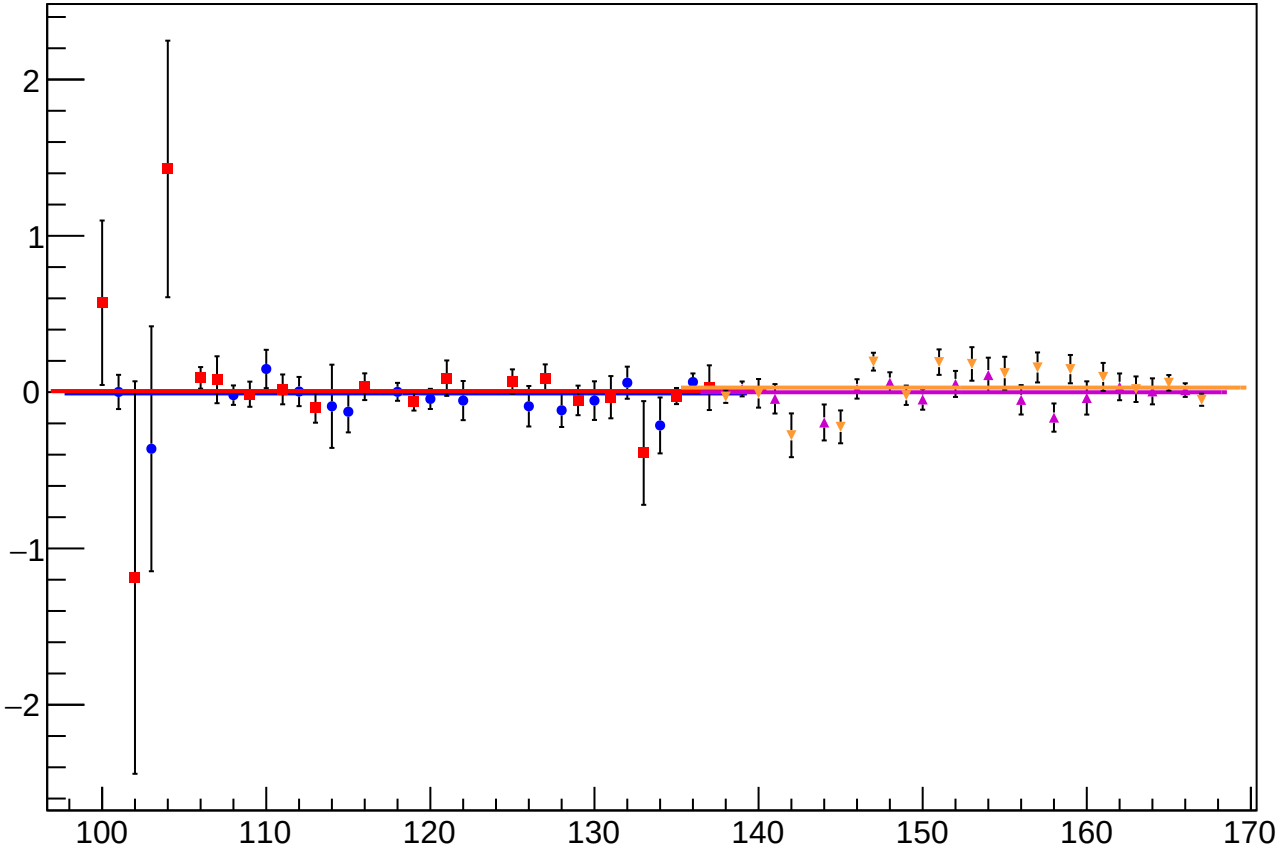
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4984428.0/29

Out: 0.000+/-0.000 χ^2/NDF:5253709.1/32

All: 0.000+/-0.000 χ^2/NDF: 10291391.1/62

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.017 χ^2/NDF:37.2/14

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.019 χ^2/NDF:10.0/13

Left: 0.016+/-0.013 χ^2/NDF: 48.5/28

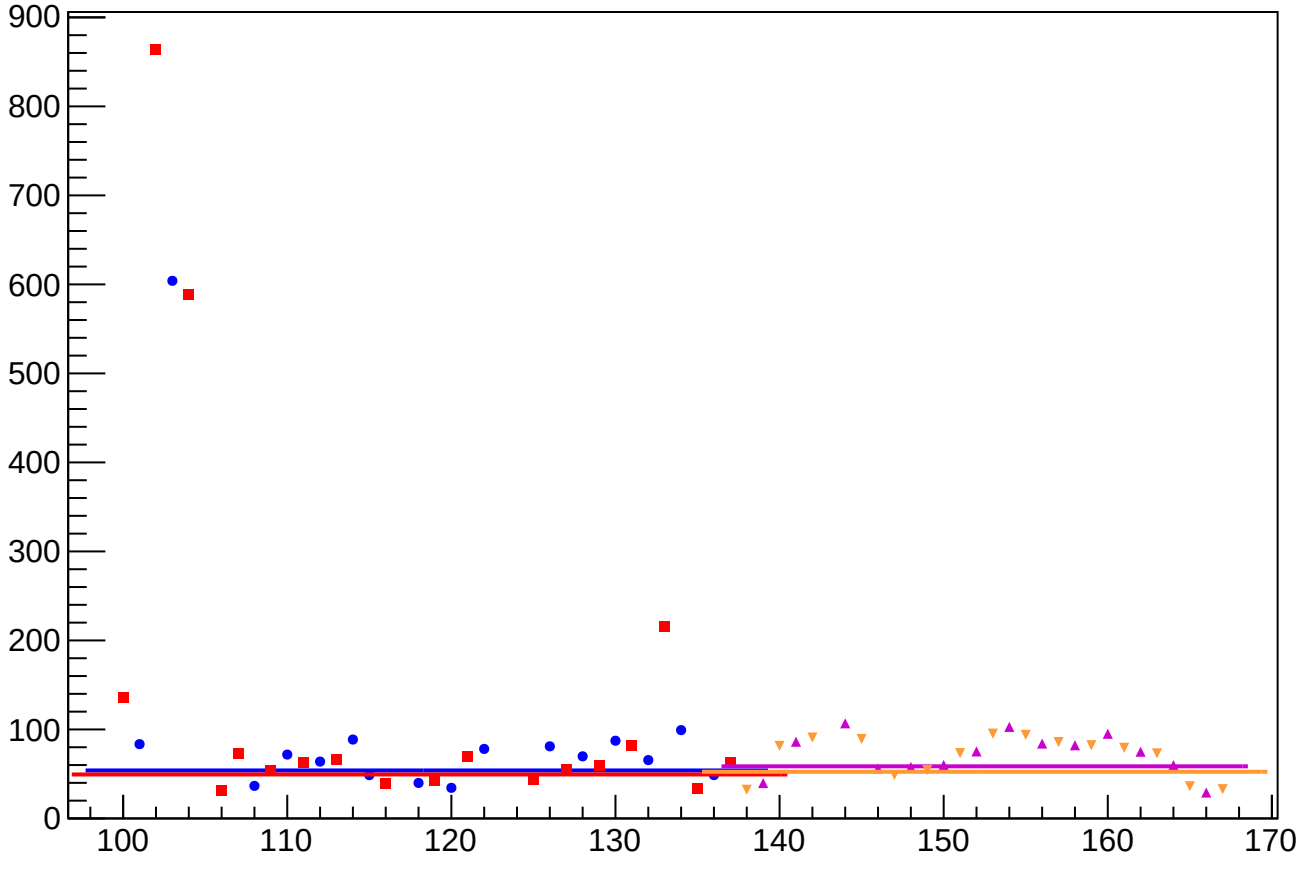
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.004+/-0.015 χ^2/NDF:18.3/29

Out: 0.021+/-0.014 χ^2/NDF:51.5/32

All: 0.010+/-0.010 χ^2/NDF: 71.3/62

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 52.453+/-0.012 χ^2/NDF:3379113.1/14

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 58.574+/-0.014 χ^2/NDF:2749555.7/13

Left: 55.180+/-0.009 χ^2/NDF: 6241173.5/28

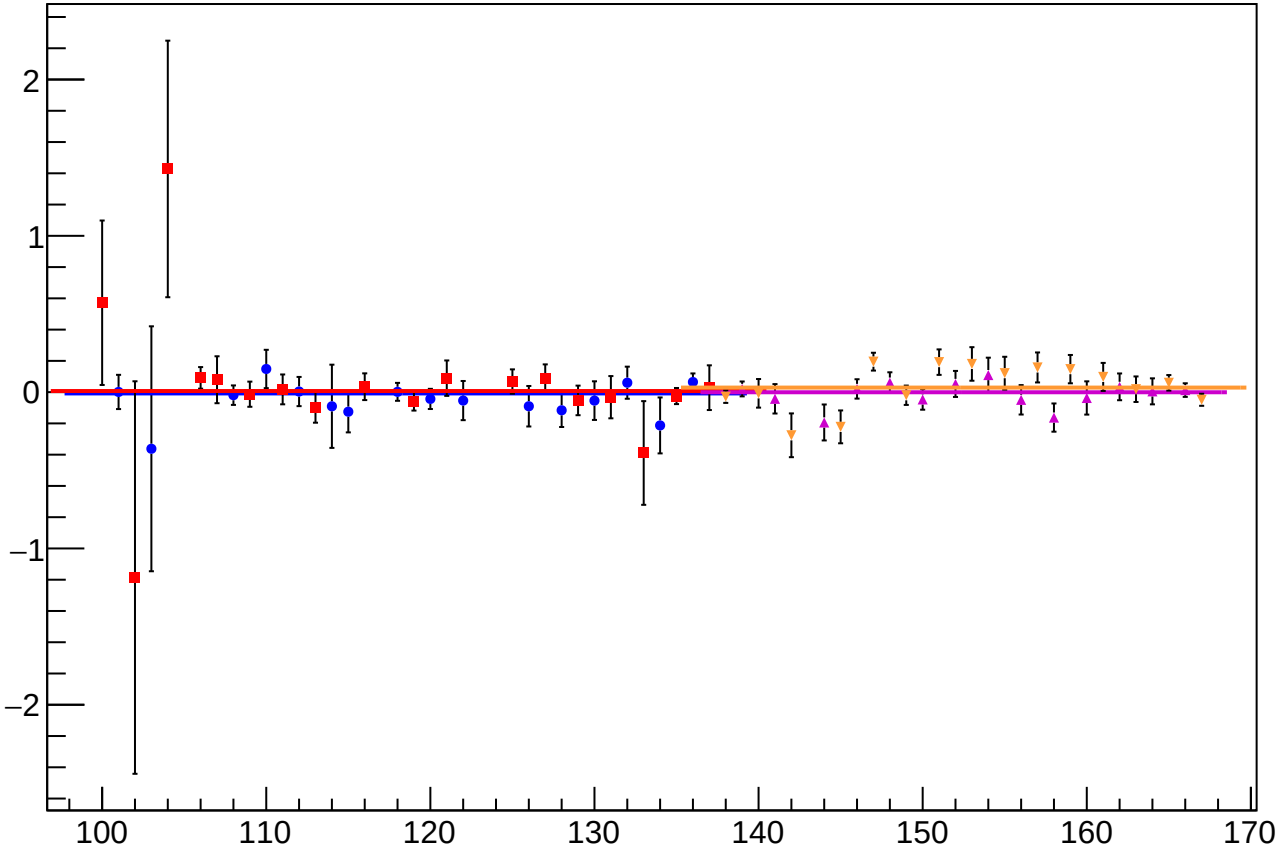
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 56.674+/-0.010 χ^2/NDF:5011734.8/29

Out: 51.315+/-0.010 χ^2/NDF:6420109.0/32

All: 53.775+/-0.007 χ^2/NDF: 11574137.0/62

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.017 χ^2/NDF:37.2/14

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.019 χ^2/NDF:10.0/13

Left: 0.016+/-0.013 χ^2/NDF: 48.5/28

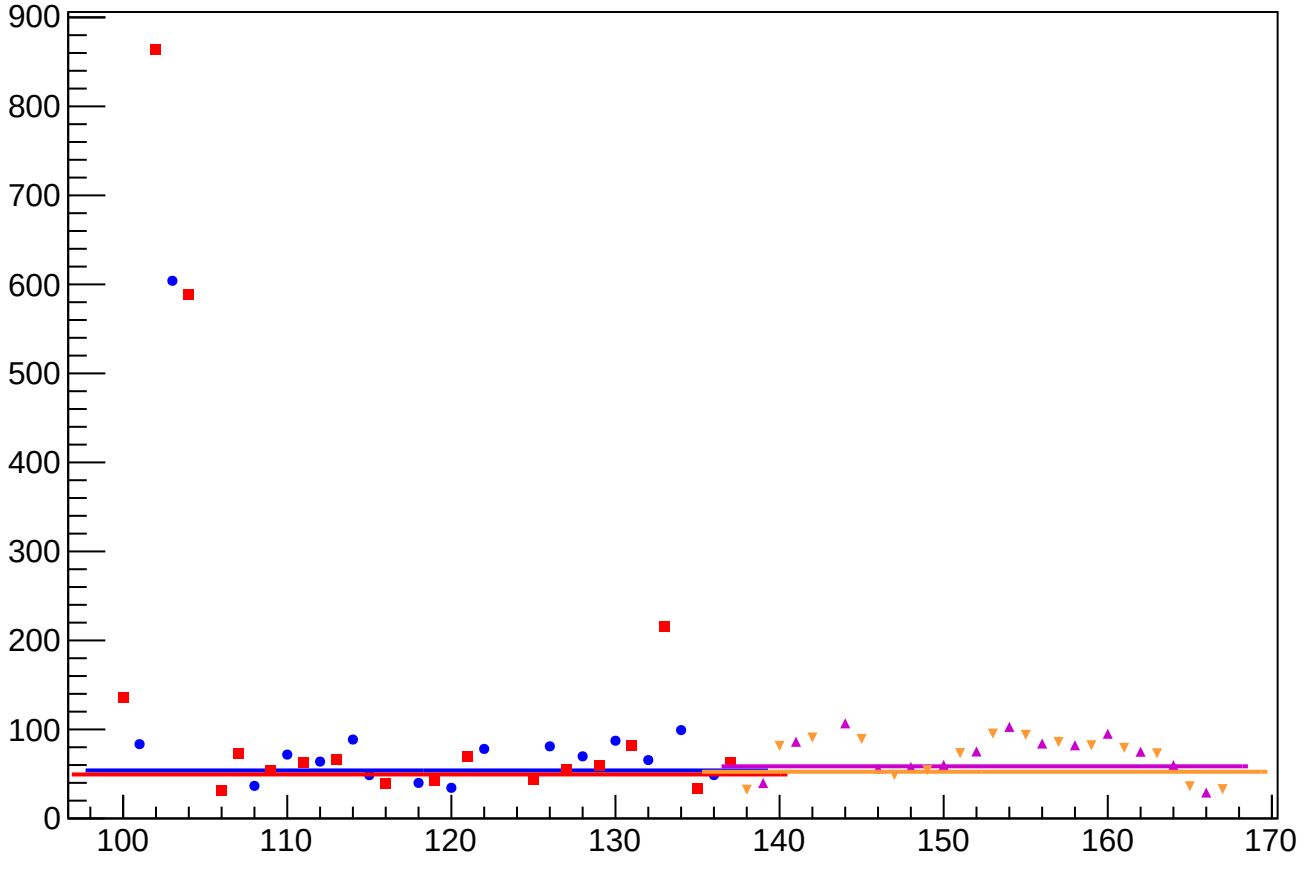
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.004+/-0.015 χ^2/NDF:18.3/29

Out: 0.021+/-0.014 χ^2/NDF:51.5/32

All: 0.010+/-0.010 χ^2/NDF: 71.3/62

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 52.453+/-0.012 χ^2/NDF:3379113.1/14

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 58.574+/-0.014 χ^2/NDF:2749555.7/13

Left: 55.180+/-0.009 χ^2/NDF: 6241173.5/28

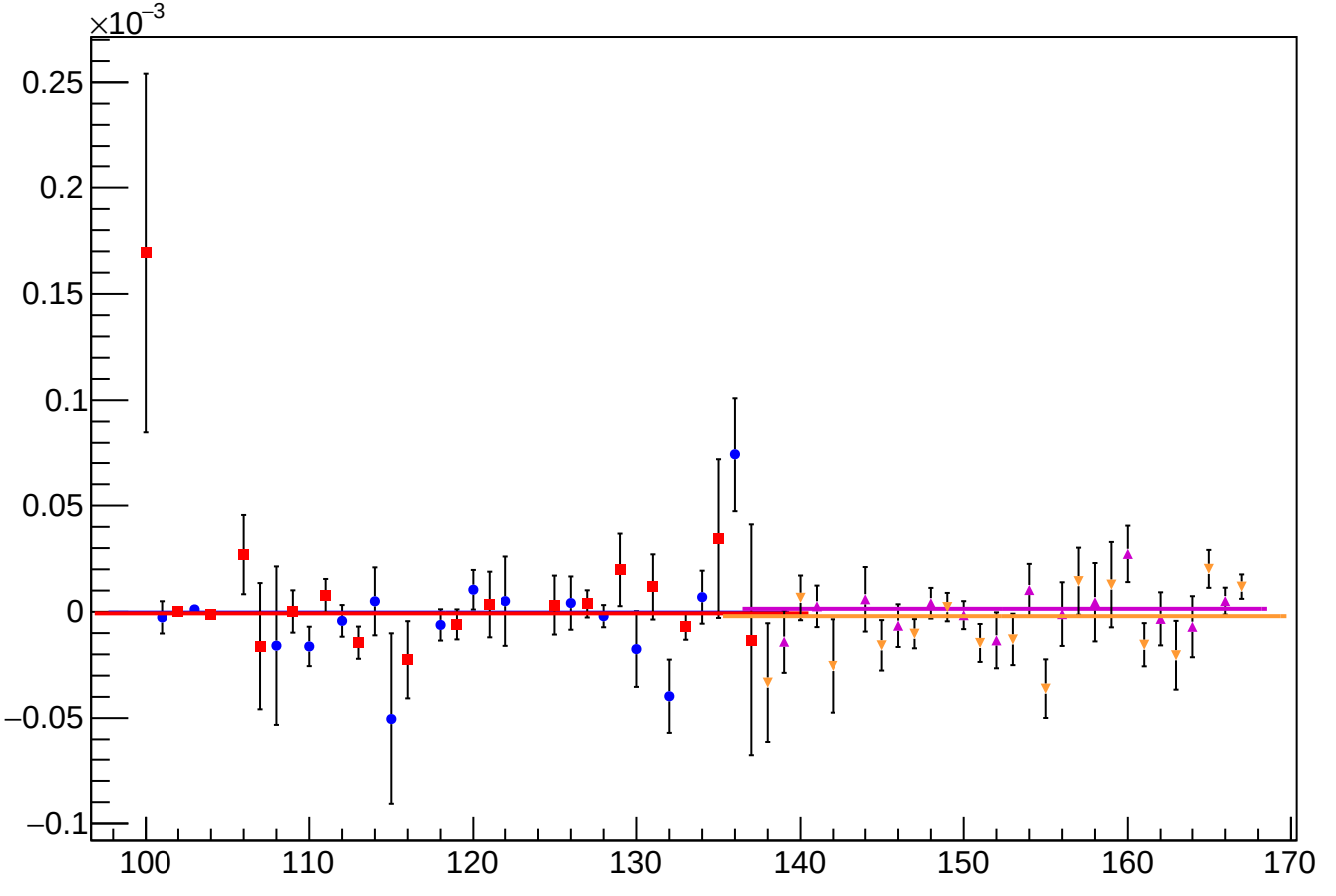
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 56.674+/-0.010 χ^2/NDF:5011734.8/29

Out: 51.315+/-0.010 χ^2/NDF:6420109.0/32

All: 53.775+/-0.007 χ^2/NDF: 11574137.0/62

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:8.6/13

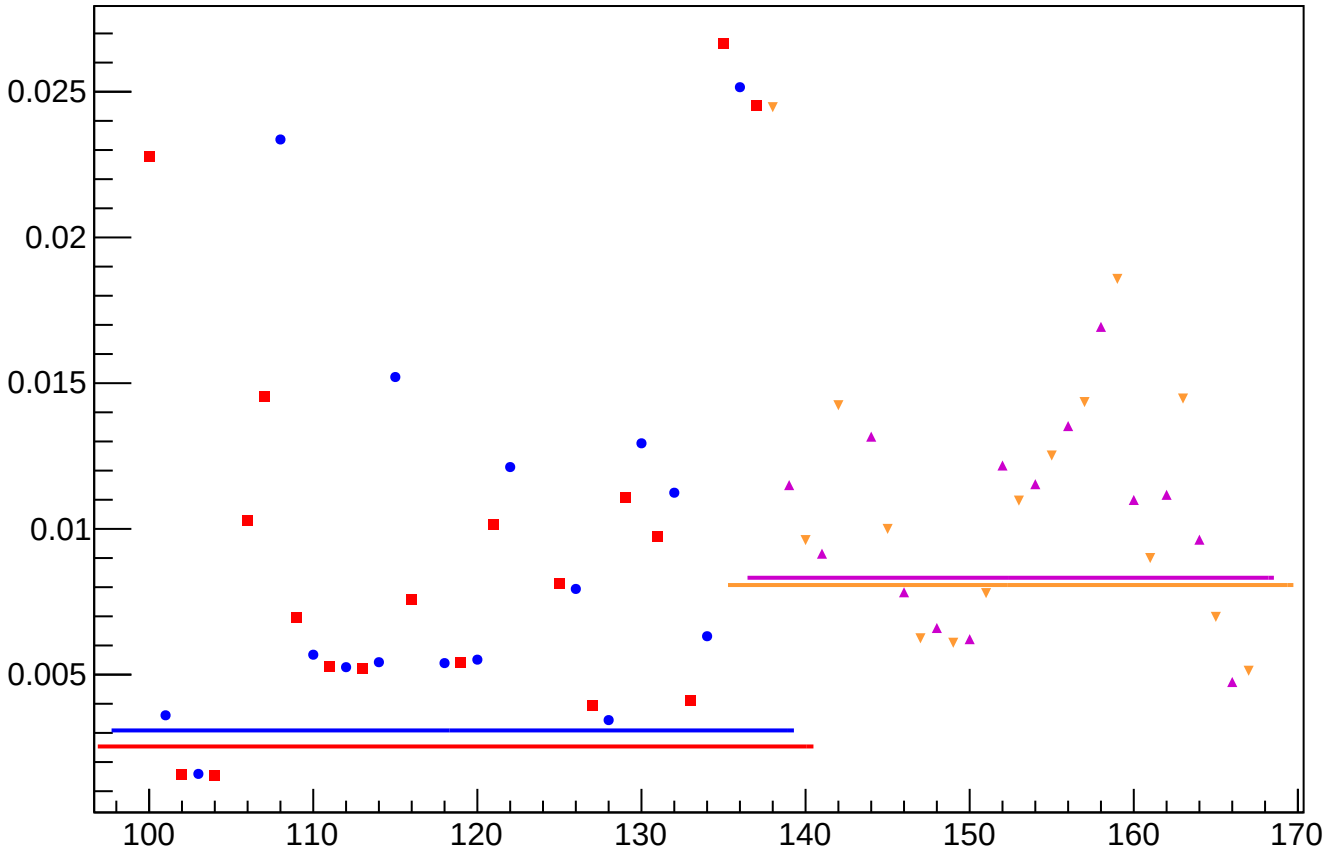
Left: -0.000+/-0.000 χ^2/NDF: 41.3/28

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

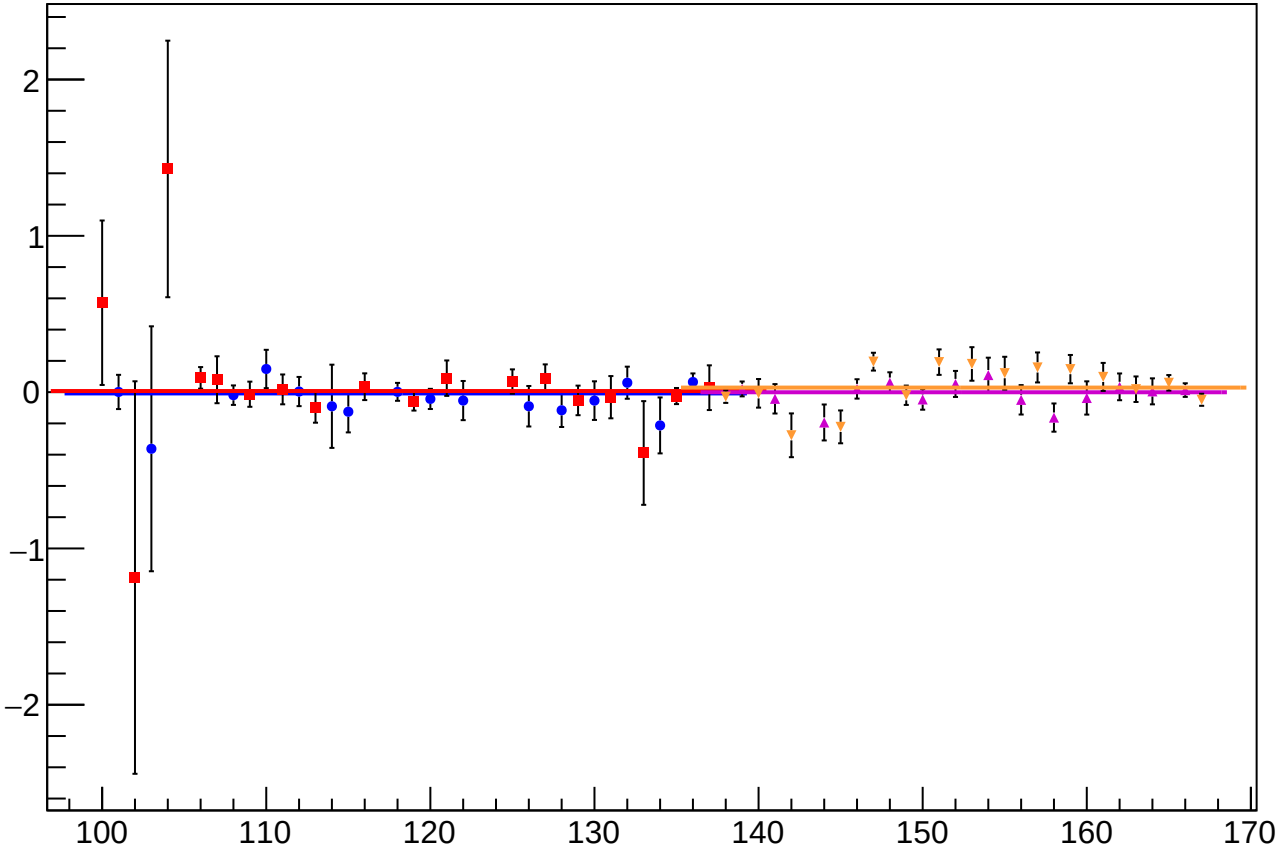
In: 0.000+/-0.000 χ^2/NDF:31.0/29

Out: -0.000+/-0.000 χ^2/NDF:49.9/32

All: -0.000+/-0.000 χ^2/NDF: 81.3/62


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.008+/-0.000 χ²/NDF:3329796.6/14
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.008+/-0.000 χ²/NDF:2462589.5/13
Left: 0.008+/-0.000 χ²/NDF: 5801205.3/28
Right: 0.003+/-0.000 χ²/NDF: 12159145.0/33
In: 0.004+/-0.000 χ²/NDF:13667516.1/29
Out: 0.004+/-0.000 χ²/NDF:17003069.2/32
All: 0.004+/-0.000 χ²/NDF: 31095275.0/62

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.017 χ^2/NDF:37.2/14

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.019 χ^2/NDF:10.0/13

Left: 0.016+/-0.013 χ^2/NDF: 48.5/28

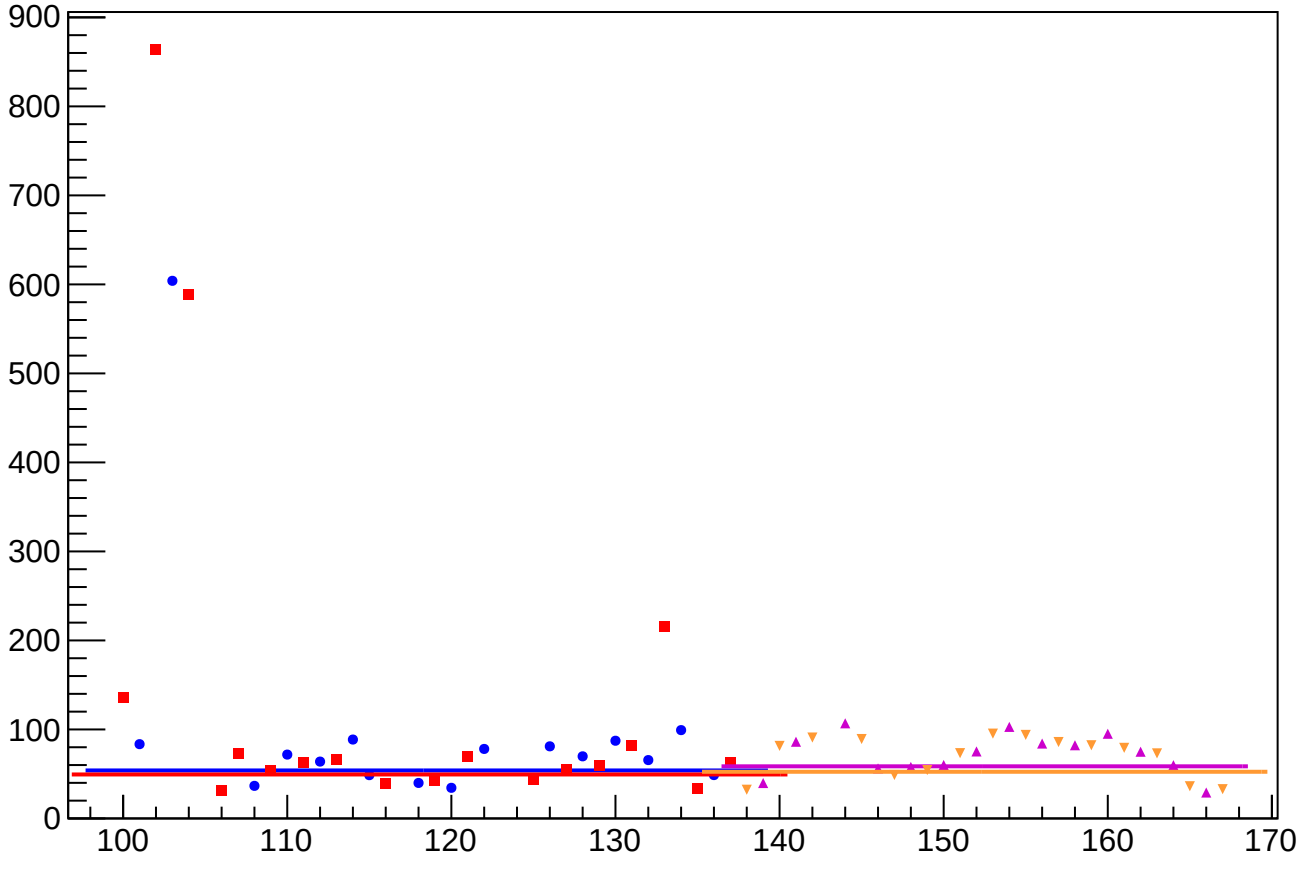
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.004+/-0.015 χ^2/NDF:18.3/29

Out: 0.021+/-0.014 χ^2/NDF:51.5/32

All: 0.010+/-0.010 χ^2/NDF: 71.3/62

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 52.457+/-0.012 χ^2/NDF:3378145.2/14

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 58.575+/-0.014 χ^2/NDF:2749279.7/13

Left: 55.183+/-0.009 χ^2/NDF: 6239828.4/28

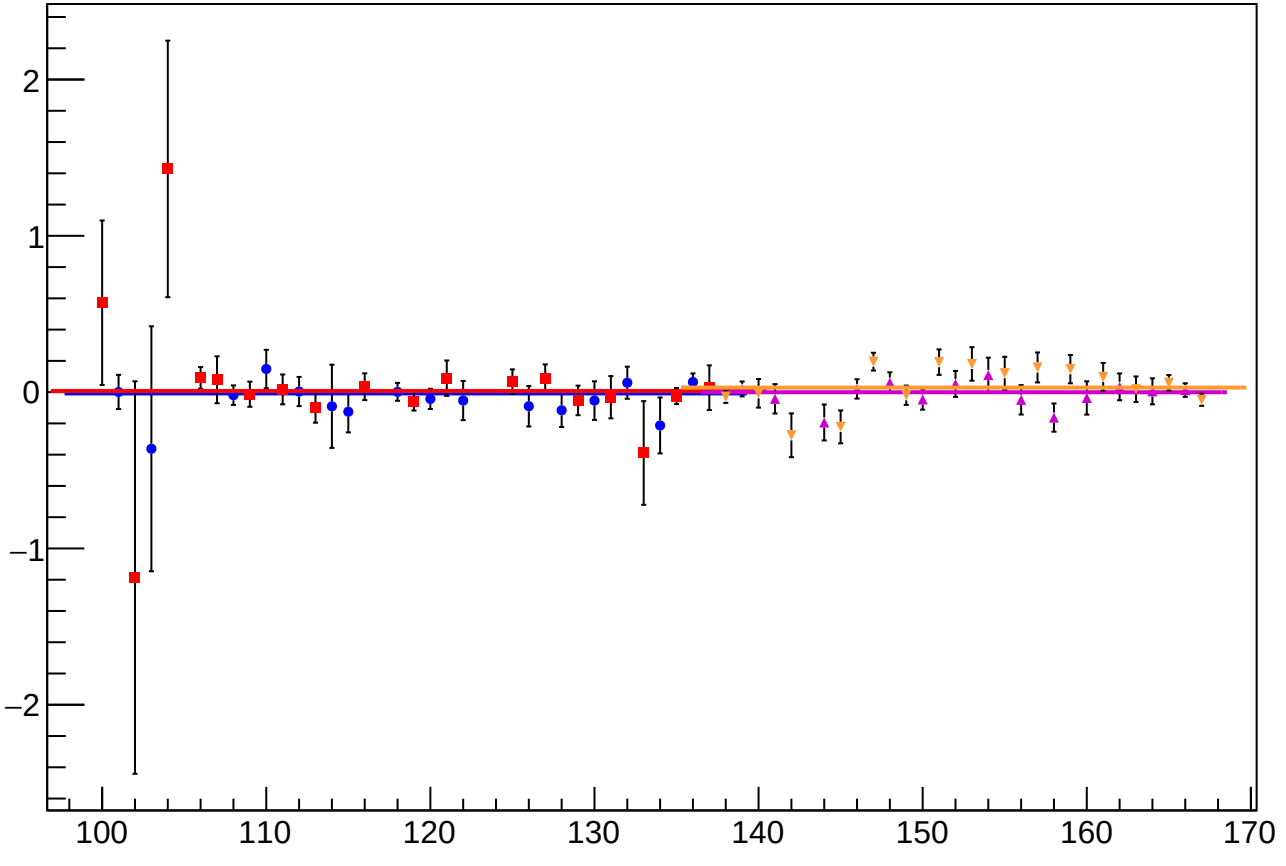
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 56.676+/-0.010 χ^2/NDF:5011008.2/29

Out: 51.318+/-0.010 χ^2/NDF:6418883.7/32

All: 53.778+/-0.007 χ^2/NDF: 11572126.3/62

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.017 χ^2/NDF:37.2/14

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.019 χ^2/NDF:10.0/13

Left: 0.016+/-0.013 χ^2/NDF: 48.5/28

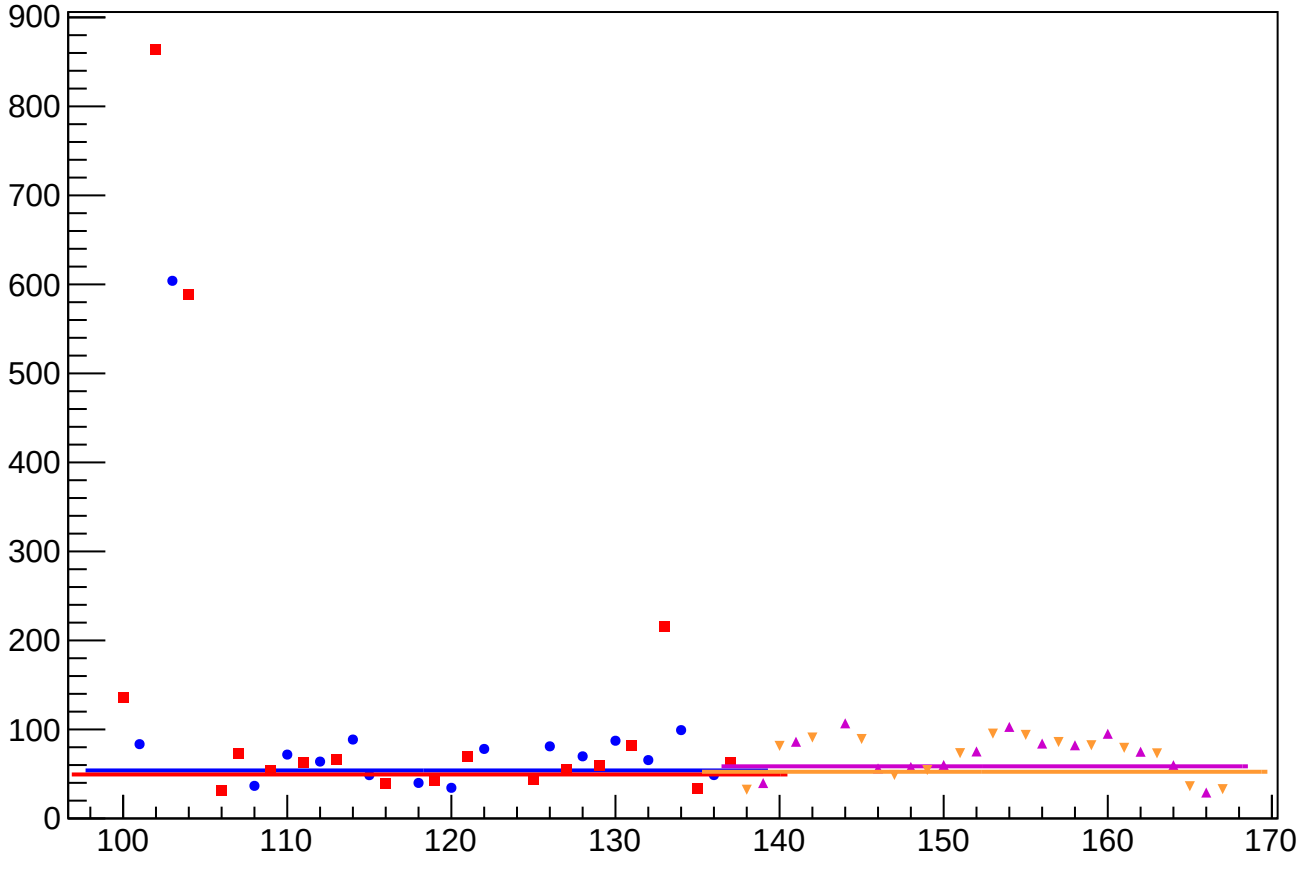
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.004+/-0.015 χ^2/NDF:18.3/29

Out: 0.021+/-0.014 χ^2/NDF:51.5/32

All: 0.010+/-0.010 χ^2/NDF: 71.3/62

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 52.457+/-0.012 χ^2/NDF:3378145.2/14

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 58.575+/-0.014 χ^2/NDF:2749279.7/13

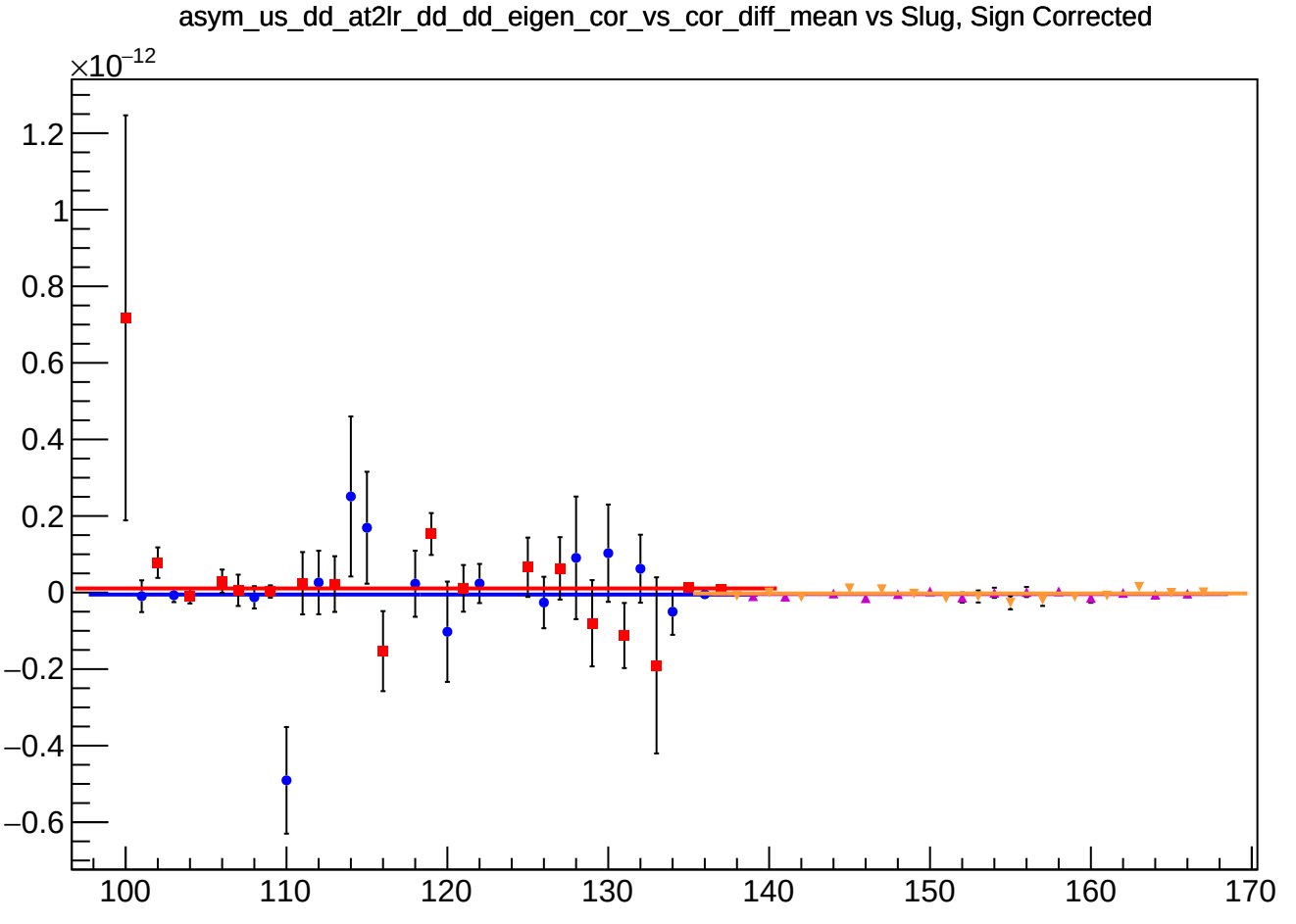
Left: 55.183+/-0.009 χ^2/NDF: 6239828.4/28

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 56.676+/-0.010 χ^2/NDF:5011008.2/29

Out: 51.318+/-0.010 χ^2/NDF:6418883.7/32

All: 53.778+/-0.007 χ^2/NDF: 11572126.3/62



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/13

Left: -0.000+/-0.000 χ^2/NDF: 20.6/28

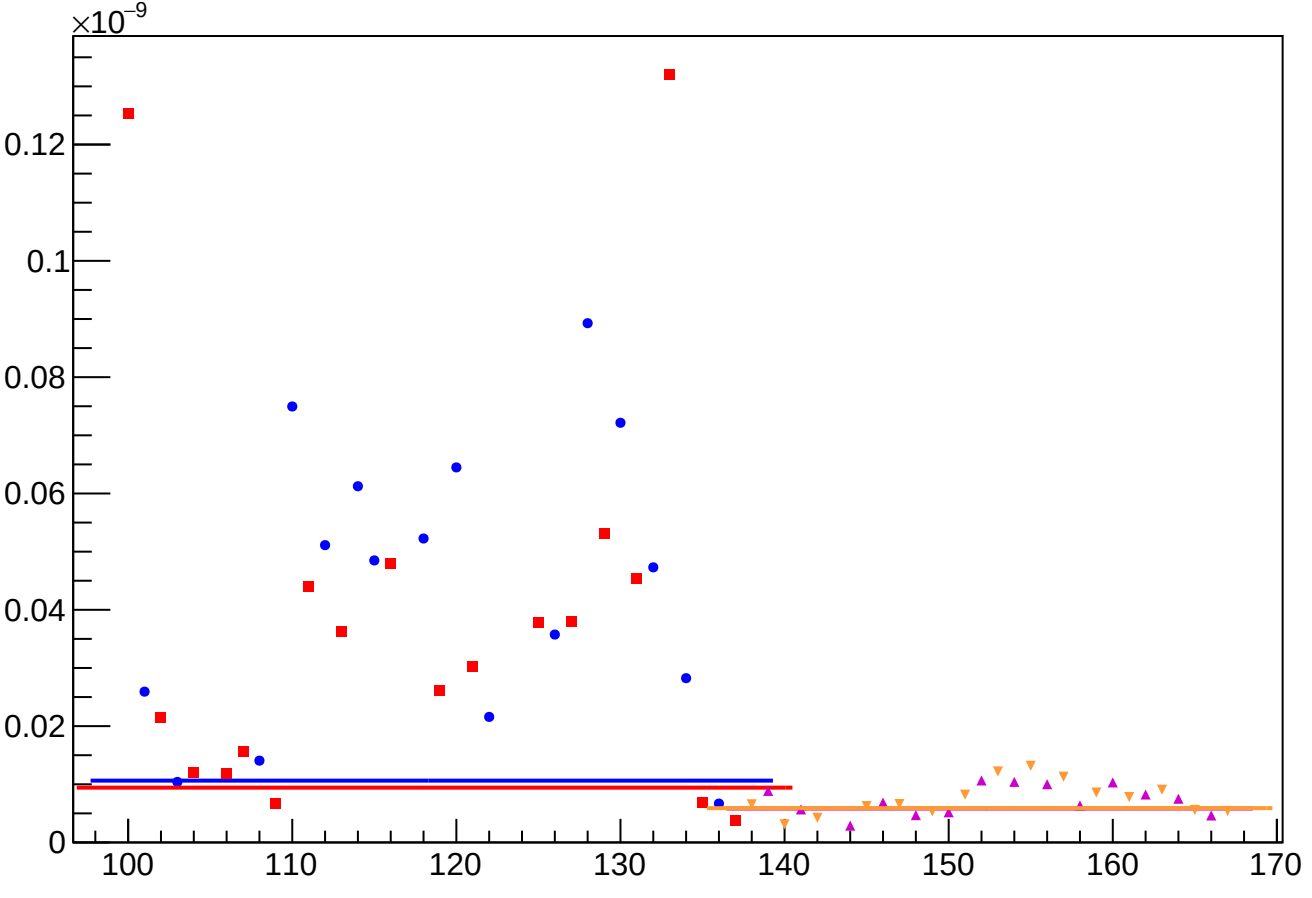
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:24.6/29

Out: -0.000+/-0.000 χ^2/NDF:38.0/32

All: -0.000+/-0.000 χ^2/NDF: 63.8/62

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2207536.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2118987.8/13

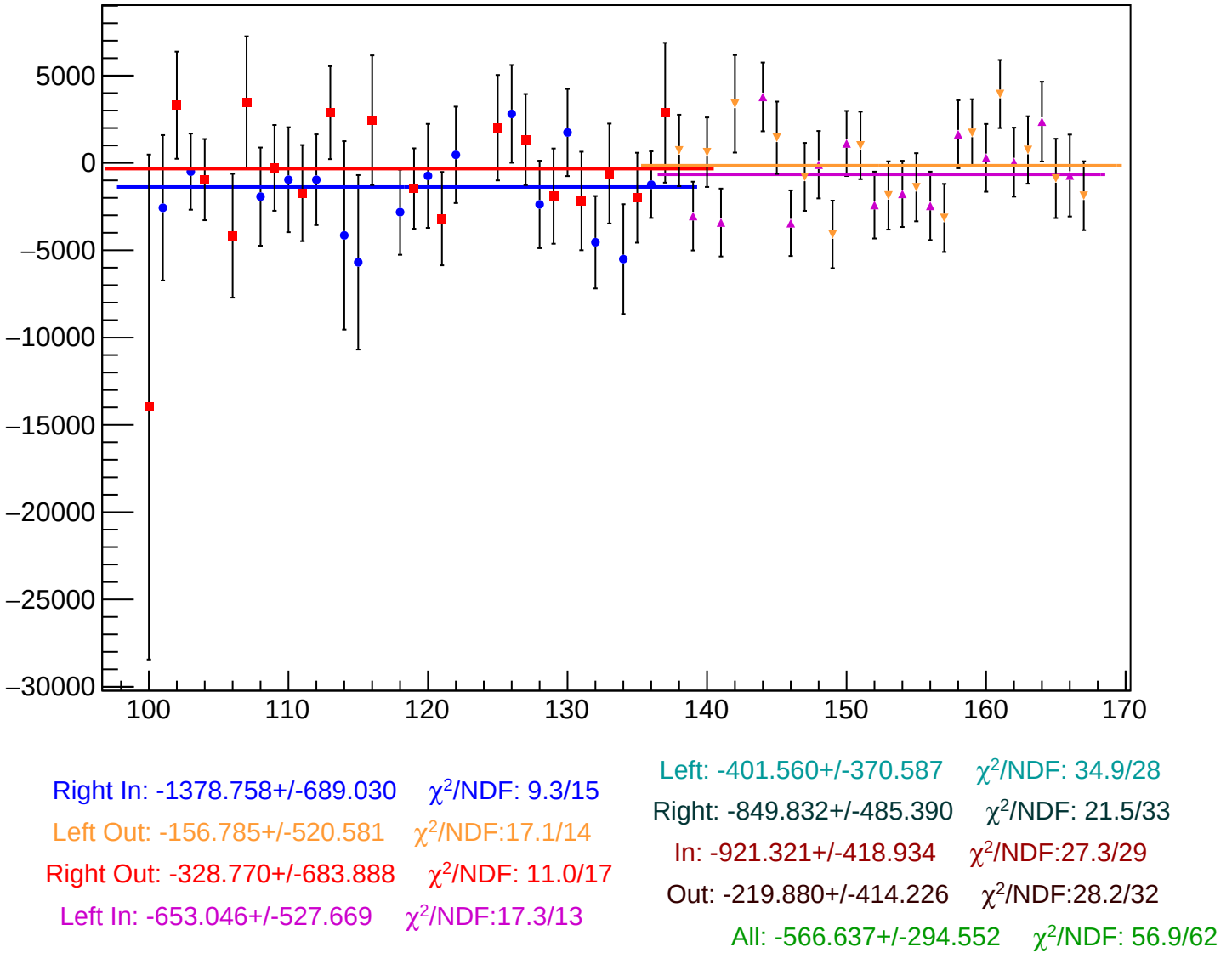
Left: 0.000+/-0.000 χ^2/NDF: 4327386.3/28

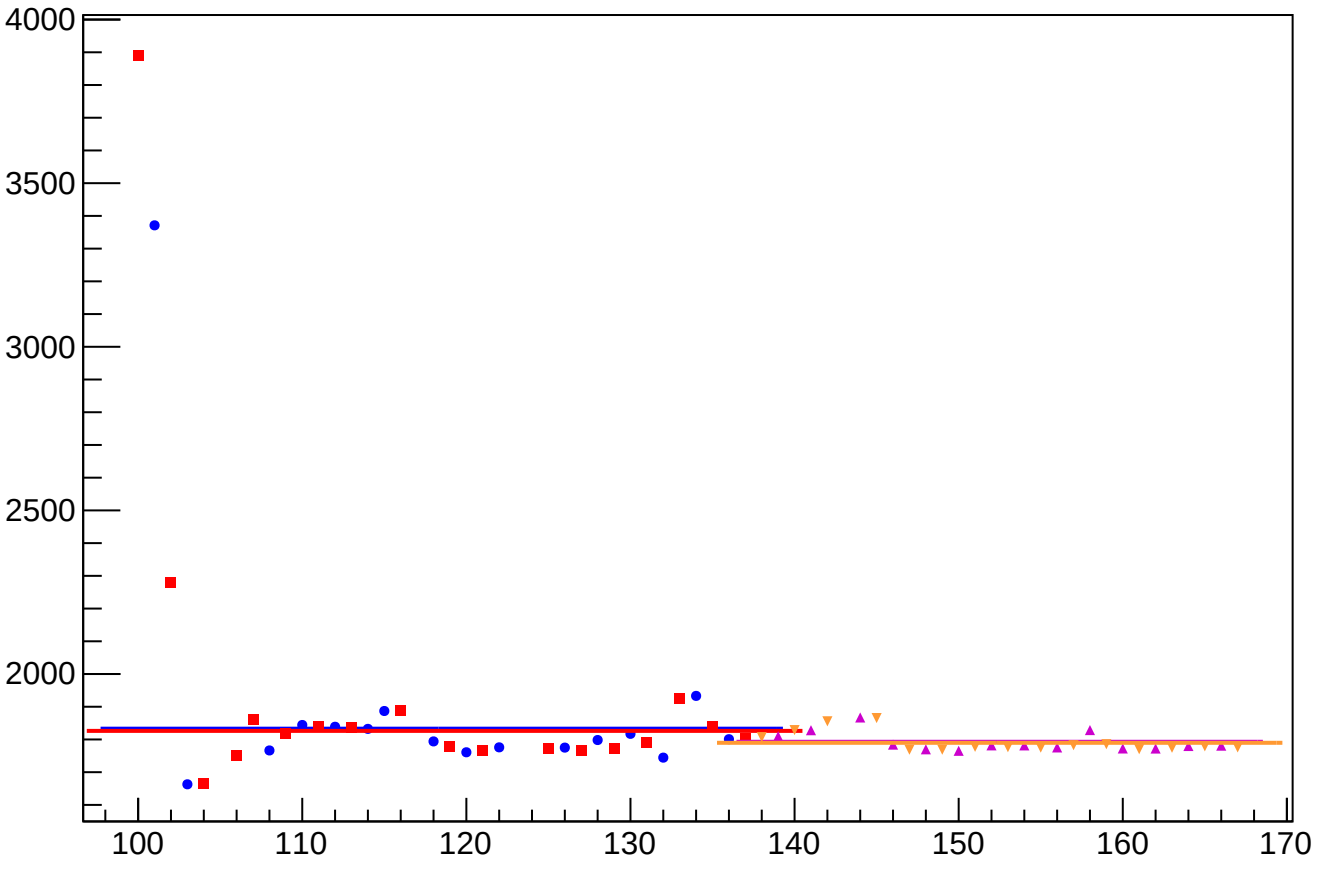
Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:7564267.4/29

Out: 0.000+/-0.000 χ^2/NDF:6768245.2/32

All: 0.000+/-0.000 χ^2/NDF: 14332604.4/62


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -1378.758+/-689.030 χ²/NDF: 9.3/15
Left Out: -156.785+/-520.581 χ²/NDF:17.1/14
Right Out: -328.770+/-683.888 χ²/NDF: 11.0/17
Left In: -653.046+/-527.669 χ²/NDF:17.3/13
Left: -401.560+/-370.587 χ²/NDF: 34.9/28
Right: -849.832+/-485.390 χ²/NDF: 21.5/33
In: -921.321+/-418.934 χ²/NDF:27.3/29
Out: -219.880+/-414.226 χ²/NDF:28.2/32
All: -566.637+/-294.552 χ²/NDF: 56.9/62



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1789.811+/-0.368 χ^2/NDF:5951.9/14

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1792.911+/-0.373 χ^2/NDF:5940.5/13

Left: 1791.340+/-0.262 χ^2/NDF: 11927.5/28

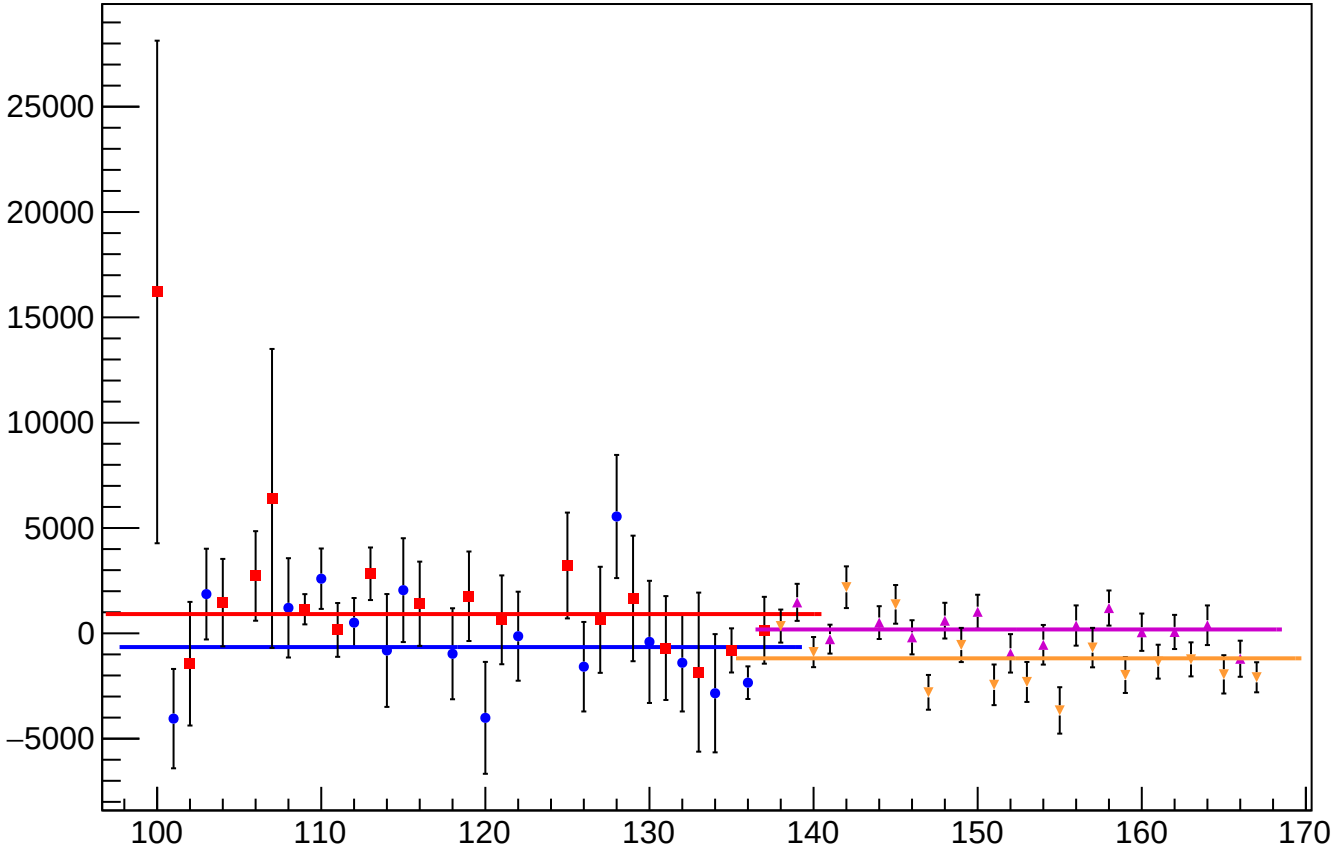
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1807.711+/-0.296 χ^2/NDF:305636.0/29

Out: 1803.164+/-0.293 χ^2/NDF:112545.1/32

All: 1805.412+/-0.208 χ^2/NDF: 418300.3/62

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1186.225+/-220.603 χ^2/NDF:39.5/14

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 184.479+/-225.455 χ^2/NDF:10.7/13

Left: -515.781+/-157.677 χ^2/NDF: 69.0/28

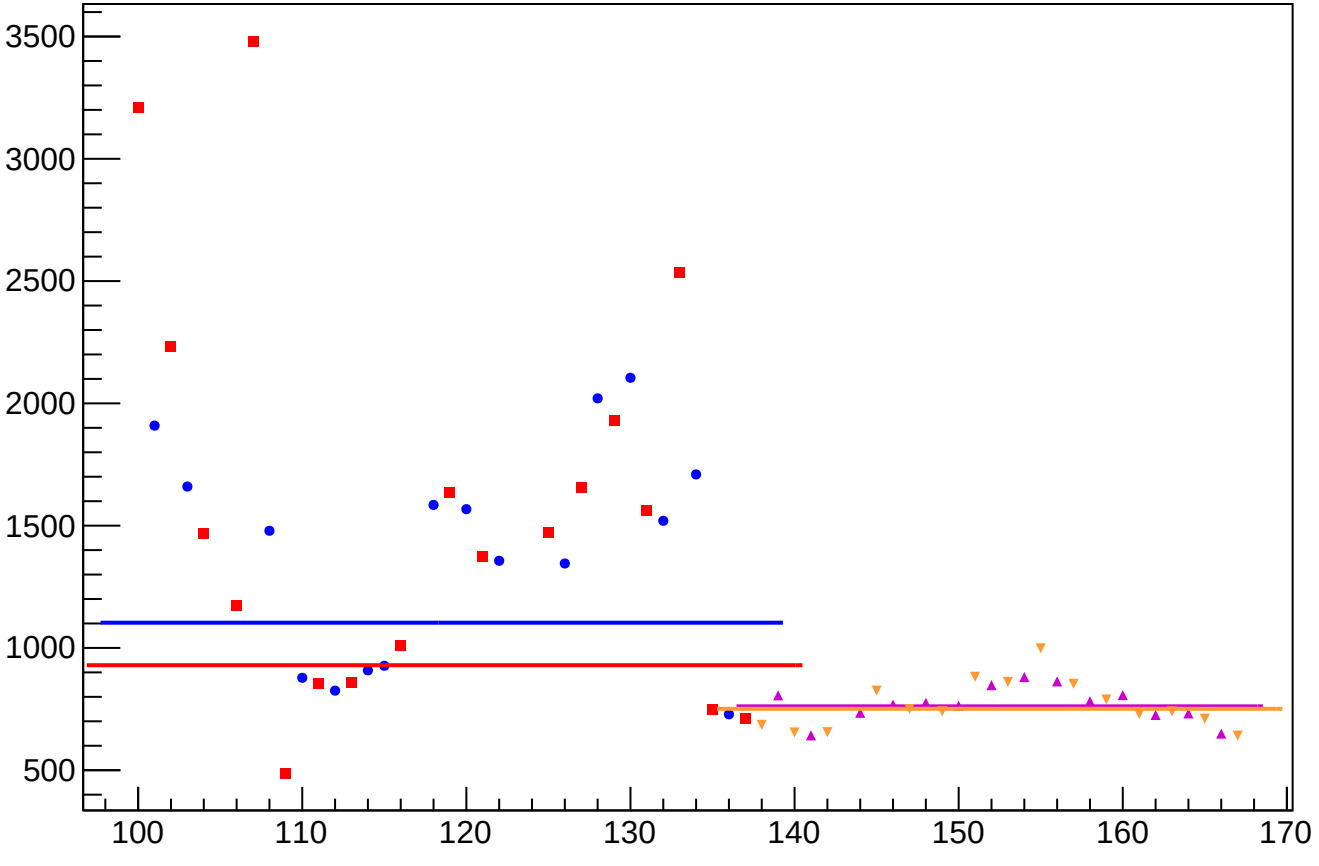
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 11.871+/-200.850 χ^2/NDF:36.8/29

Out: -683.664+/-192.418 χ^2/NDF:72.7/32

All: -350.803+/-138.945 χ^2/NDF: 115.7/62

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 751.080+/-0.156 χ^2/NDF:327636.2/14

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 761.136+/-0.159 χ^2/NDF:187636.0/13

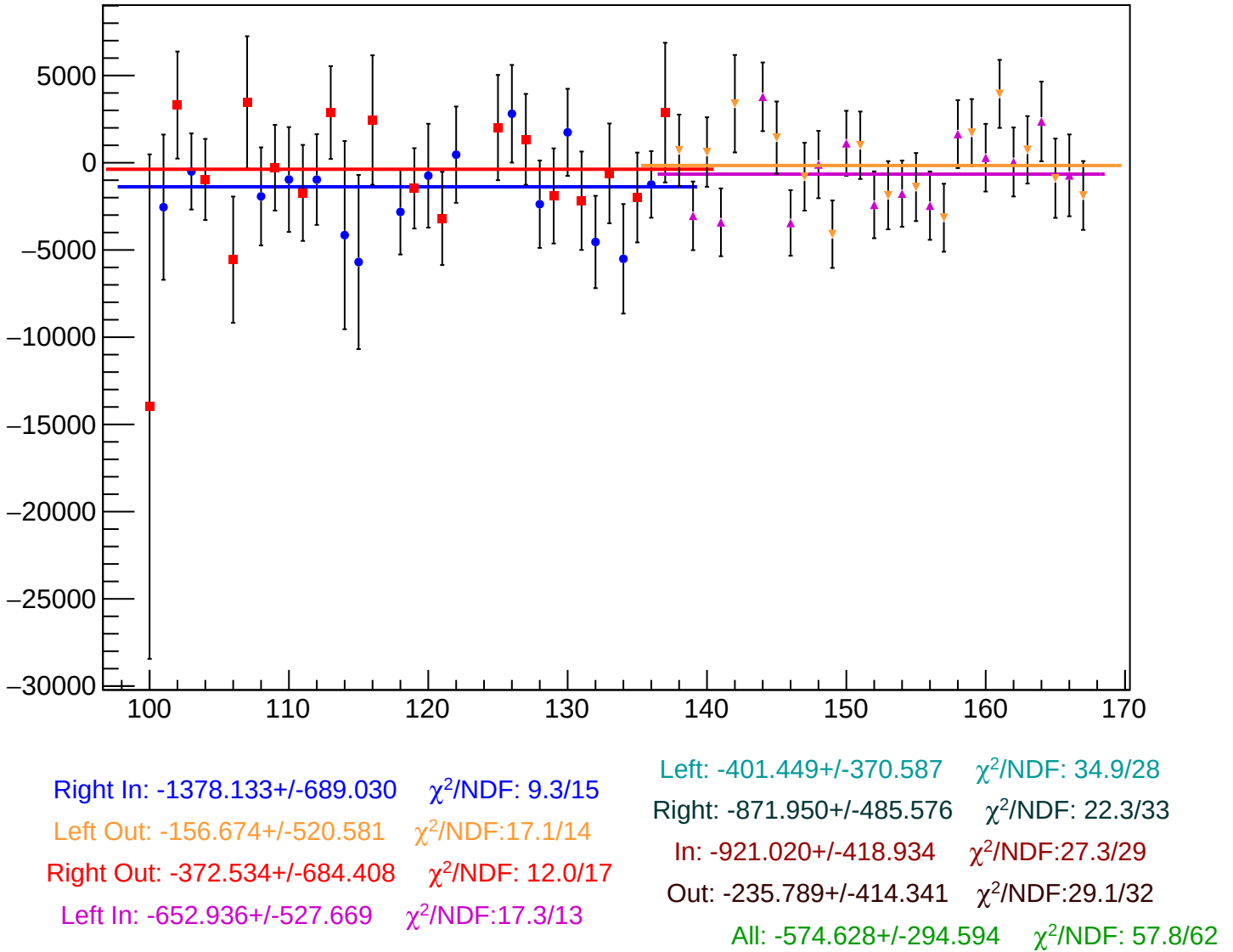
Left: 755.999+/-0.111 χ^2/NDF: 517304.8/28

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 831.722+/-0.142 χ^2/NDF:3015792.4/29

Out: 793.725+/-0.136 χ^2/NDF:3694168.7/32

All: 811.909+/-0.098 χ^2/NDF: 6747284.3/62


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−30000
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140
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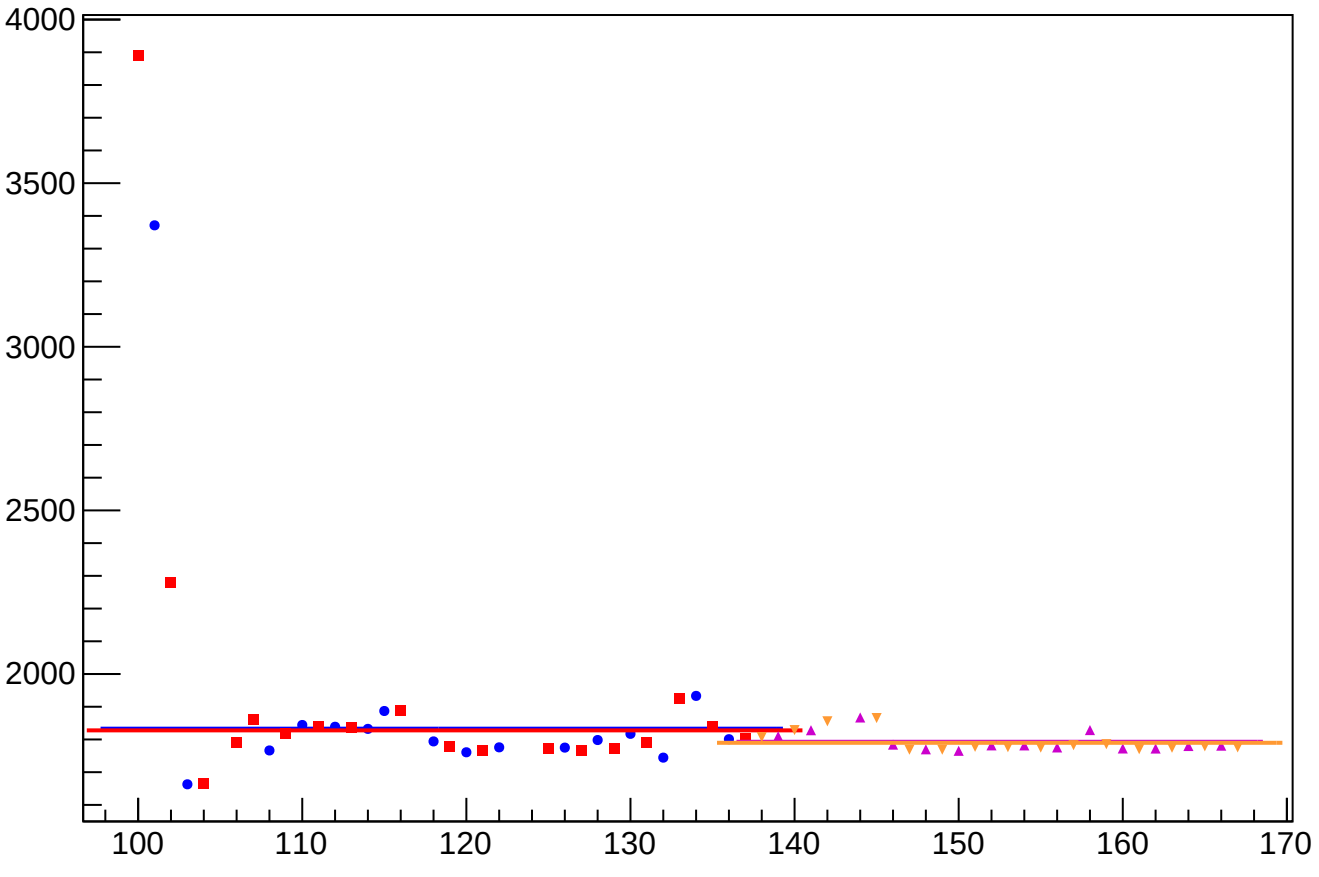
170
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -156.674+/-520.581 χ²/NDF:17.1/14
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -652.936+/-527.669 χ²/NDF:17.3/13
Left: -401.449+/-370.587 χ²/NDF: 34.9/28
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -921.020+/-418.934 χ²/NDF:27.3/29
Out: -235.789+/-414.341 χ²/NDF:29.1/32
All: -574.628+/-294.594 χ²/NDF: 57.8/62



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1789.811+/-0.368 χ^2/NDF:5951.9/14

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1792.911+/-0.373 χ^2/NDF:5940.5/13

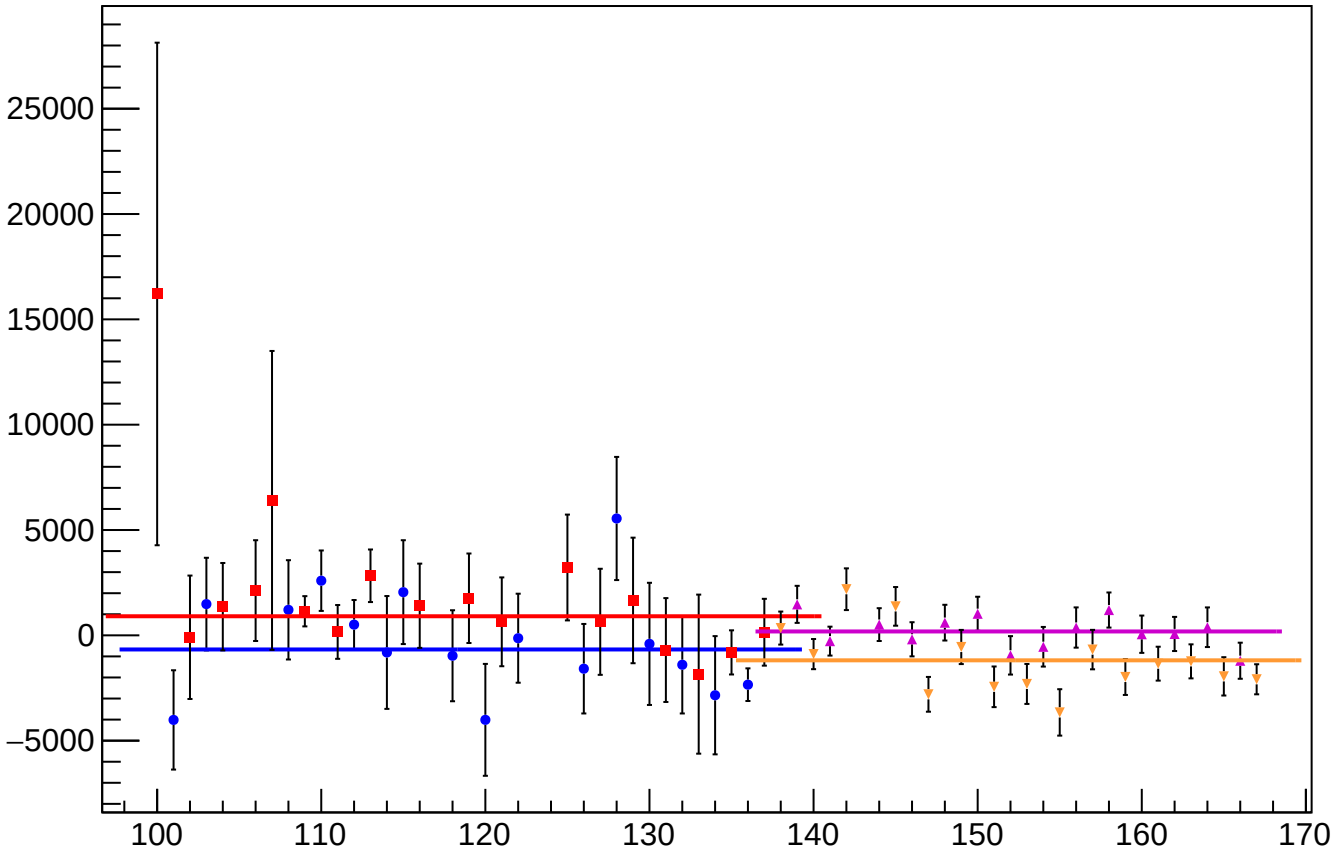
Left: 1791.340+/-0.262 χ^2/NDF: 11927.5/28

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1807.711+/-0.296 χ^2/NDF:305637.9/29

Out: 1803.729+/-0.293 χ^2/NDF:112122.6/32

All: 1805.698+/-0.208 χ^2/NDF: 417851.8/62



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1186.233+/-220.604 χ^2/NDF:39.4/14

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 184.393+/-225.456 χ^2/NDF:10.7/13

Left: -515.825+/-157.678 χ^2/NDF: 69.0/28

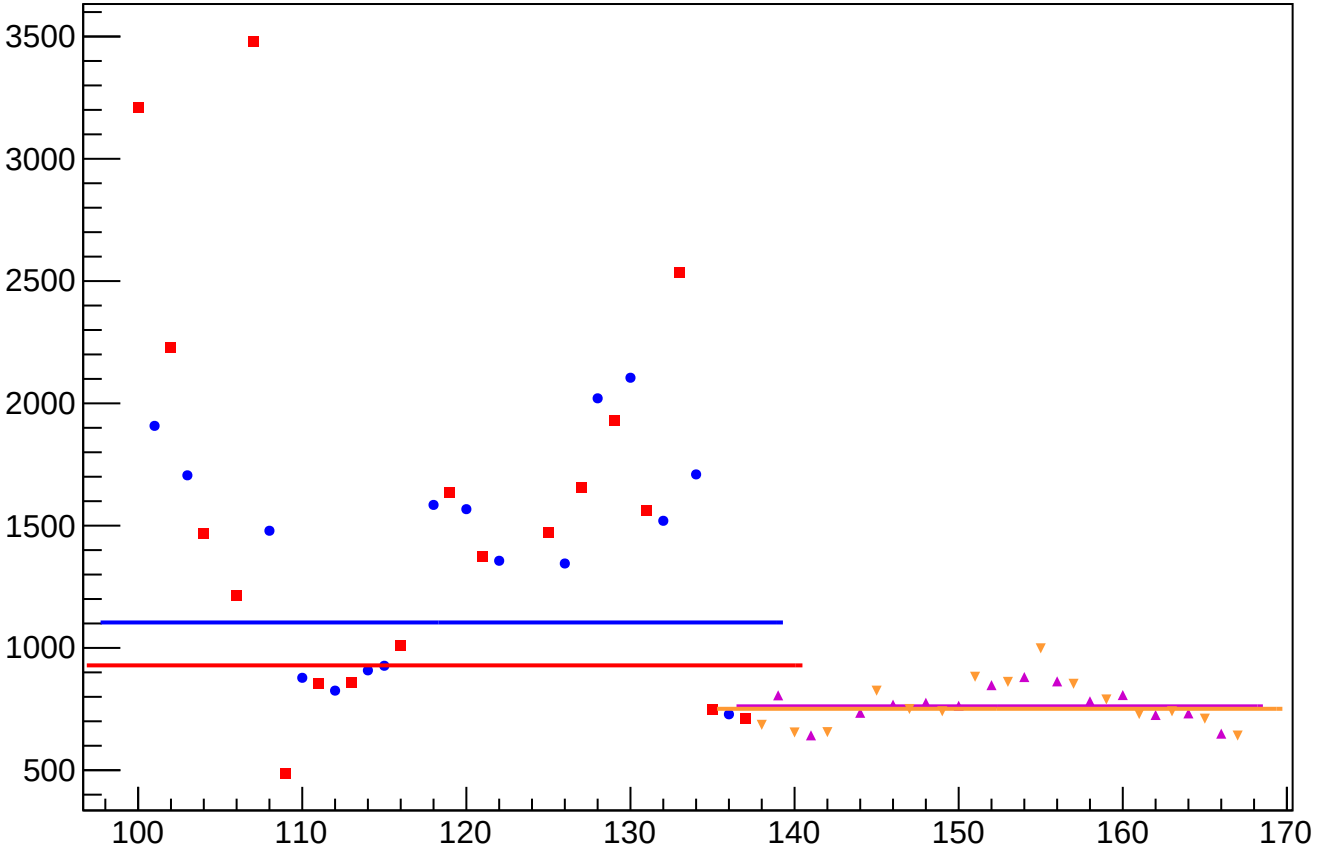
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 8.199+/-200.885 χ^2/NDF:36.4/29

Out: -688.468+/-192.581 χ^2/NDF:71.4/32

All: -354.831+/-139.018 χ^2/NDF: 114.0/62

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 751.085+/-0.156 χ^2/NDF:327609.2/14

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 761.137+/-0.159 χ^2/NDF:187702.2/13

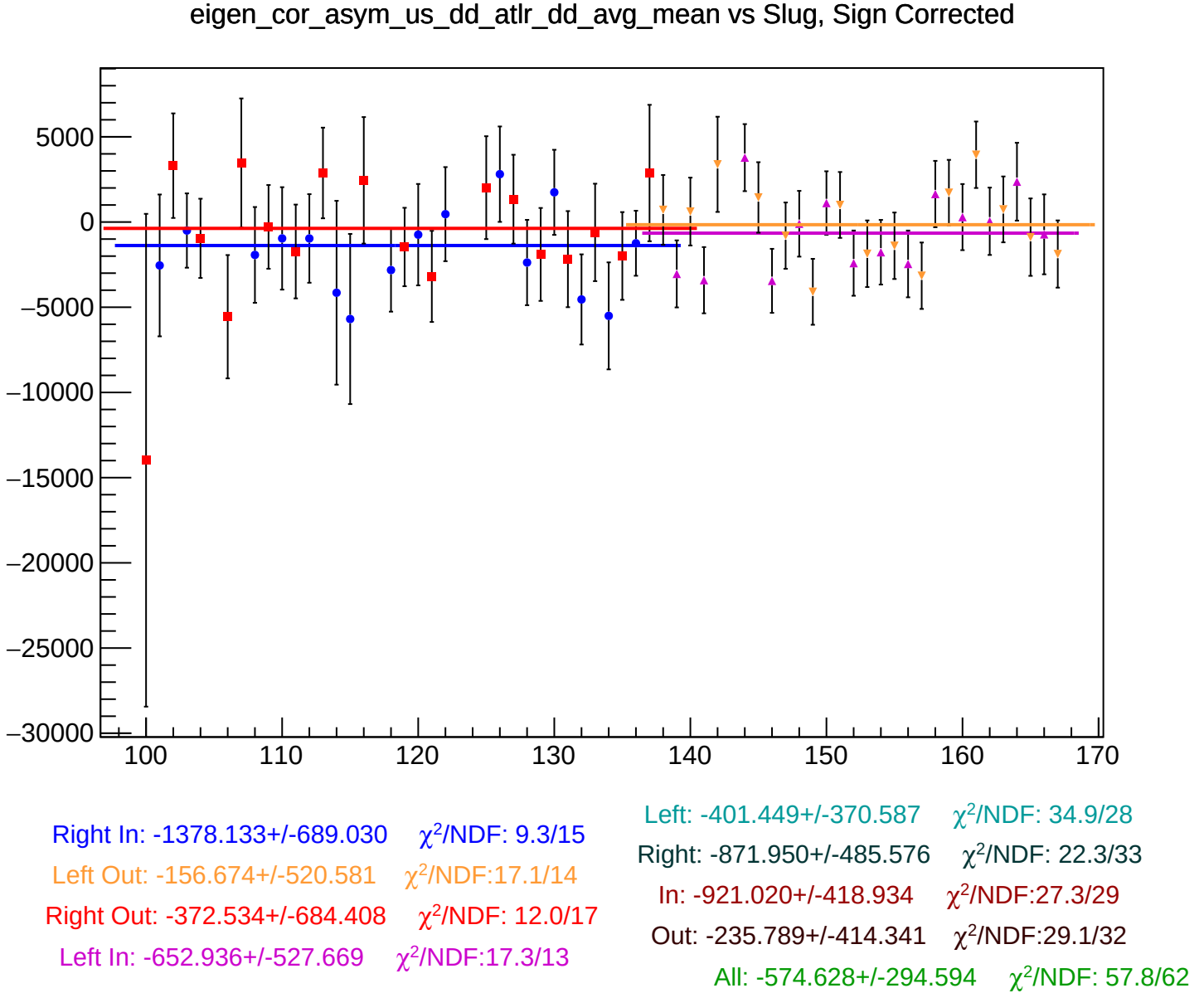
Left: 756.002+/-0.111 χ^2/NDF: 517342.6/28

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 831.819+/-0.142 χ^2/NDF:3036000.4/29

Out: 793.327+/-0.136 χ^2/NDF:3690204.5/32

All: 811.761+/-0.098 χ^2/NDF: 6764469.0/62


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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−30000
100
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130
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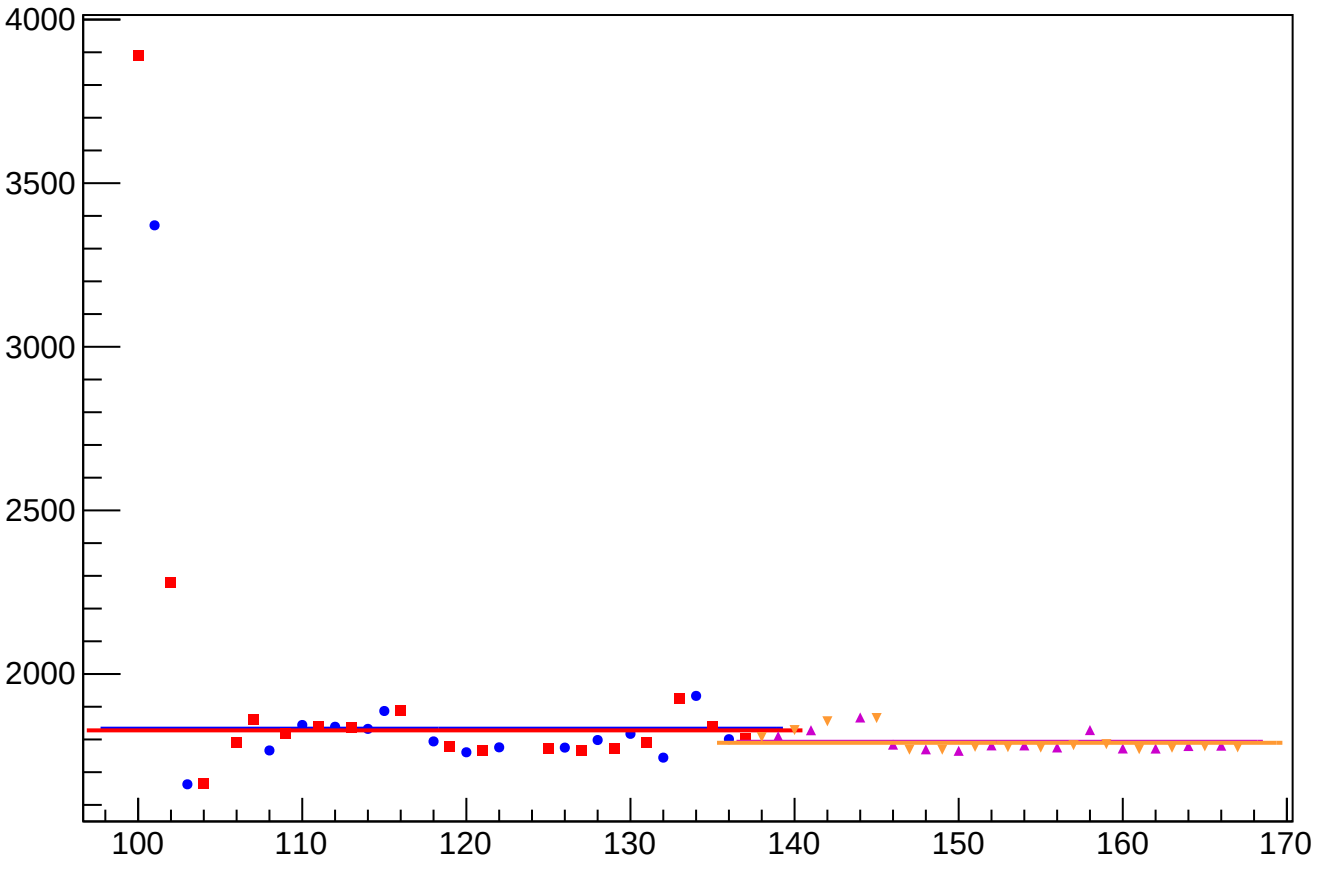
150
160
170
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -156.674+/-520.581 χ²/NDF:17.1/14
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -652.936+/-527.669 χ²/NDF:17.3/13
Left: -401.449+/-370.587 χ²/NDF: 34.9/28
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -921.020+/-418.934 χ²/NDF:27.3/29
Out: -235.789+/-414.341 χ²/NDF:29.1/32
All: -574.628+/-294.594 χ²/NDF: 57.8/62



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1789.811+/-0.368 χ^2/NDF:5951.9/14

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1792.911+/-0.373 χ^2/NDF:5940.5/13

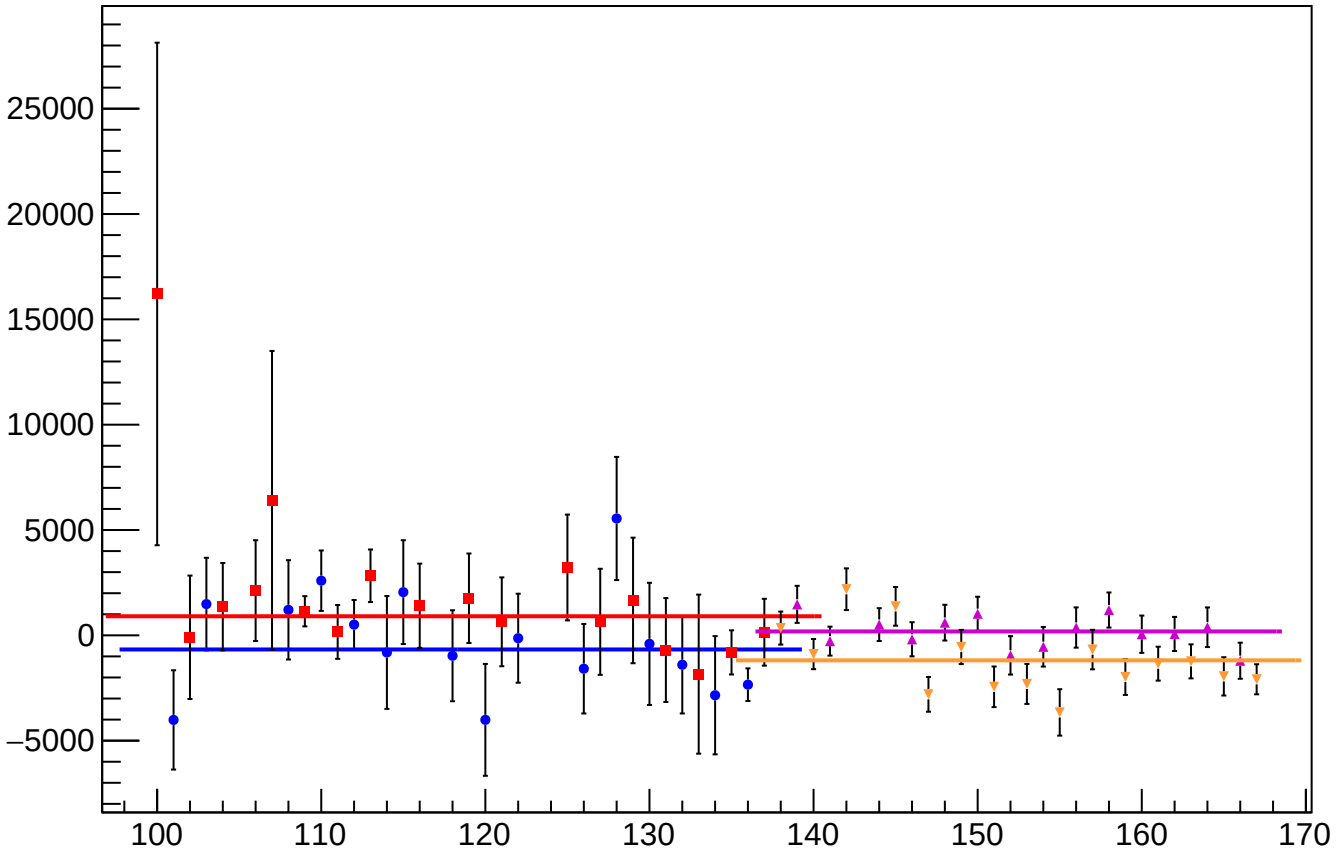
Left: 1791.340+/-0.262 χ^2/NDF: 11927.5/28

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1807.711+/-0.296 χ^2/NDF:305637.9/29

Out: 1803.729+/-0.293 χ^2/NDF:112122.6/32

All: 1805.698+/-0.208 χ^2/NDF: 417851.8/62



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1186.233+/-220.604 χ^2/NDF:39.4/14

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 184.393+/-225.456 χ^2/NDF:10.7/13

Left: -515.825+/-157.678 χ^2/NDF: 69.0/28

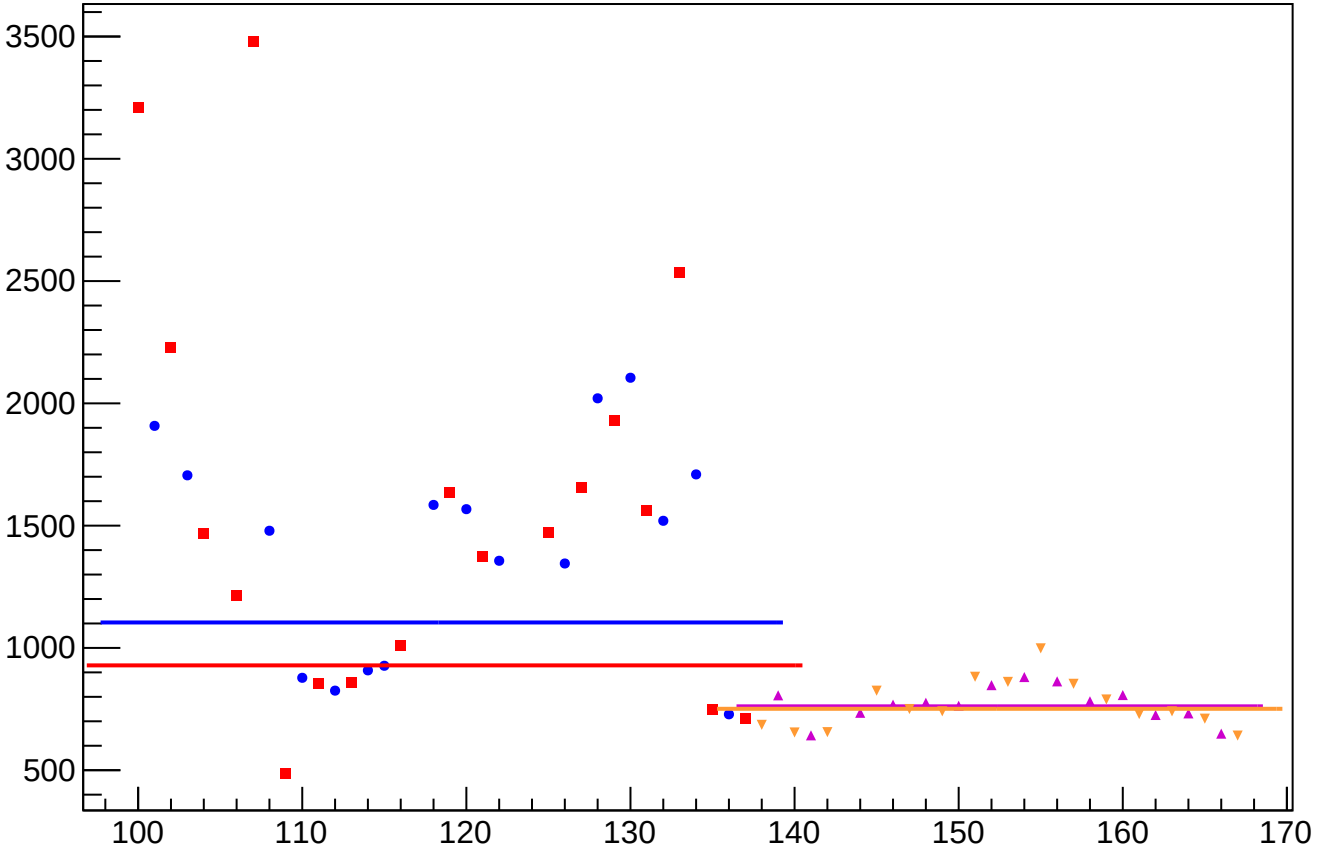
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 8.199+/-200.885 χ^2/NDF:36.4/29

Out: -688.468+/-192.581 χ^2/NDF:71.4/32

All: -354.831+/-139.018 χ^2/NDF: 114.0/62

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 751.085+/-0.156 χ^2/NDF:327609.2/14

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 761.137+/-0.159 χ^2/NDF:187702.2/13

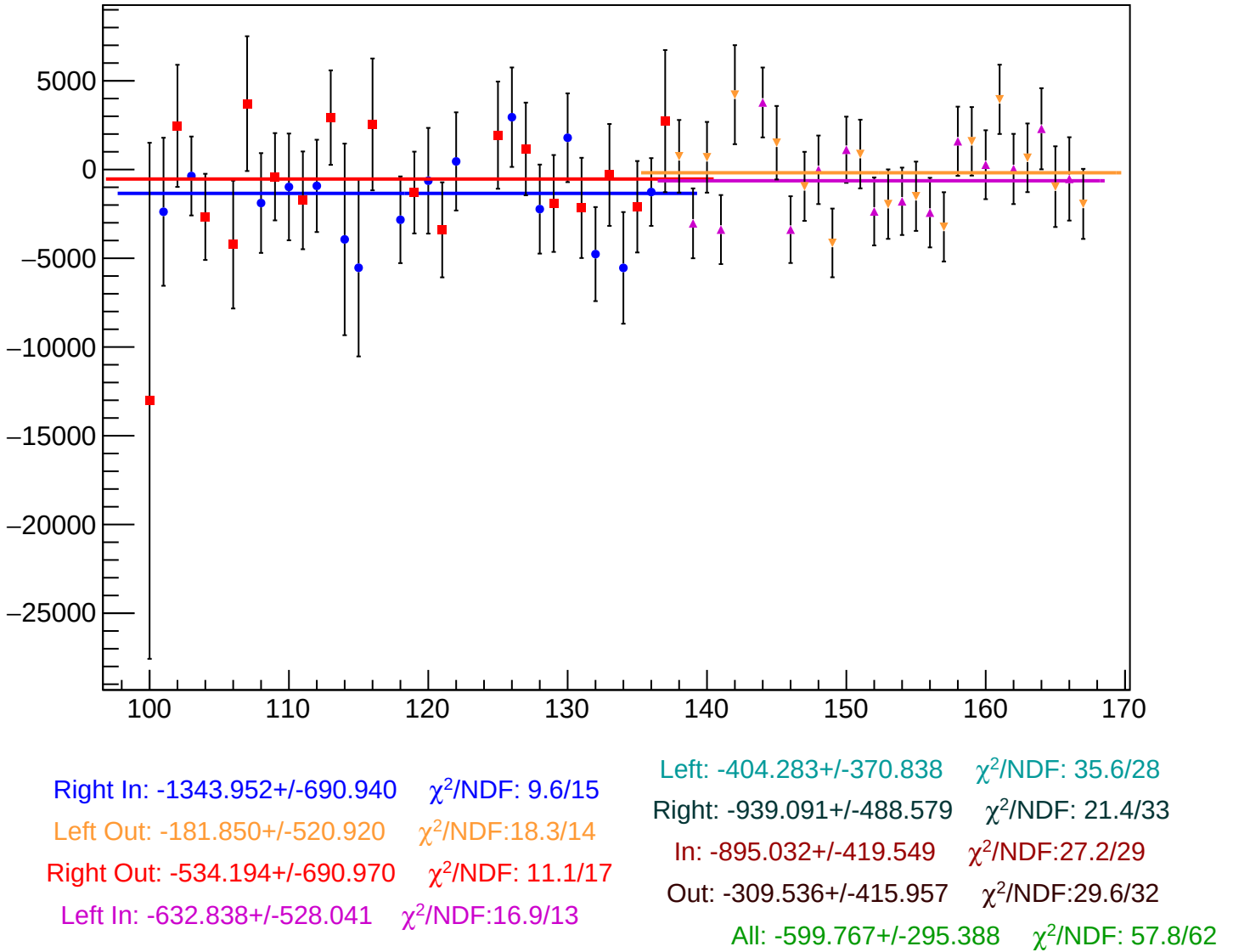
Left: 756.002+/-0.111 χ^2/NDF: 517342.6/28

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 831.819+/-0.142 χ^2/NDF:3036000.4/29

Out: 793.327+/-0.136 χ^2/NDF:3690204.5/32

All: 811.761+/-0.098 χ^2/NDF: 6764469.0/62


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−25000
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120
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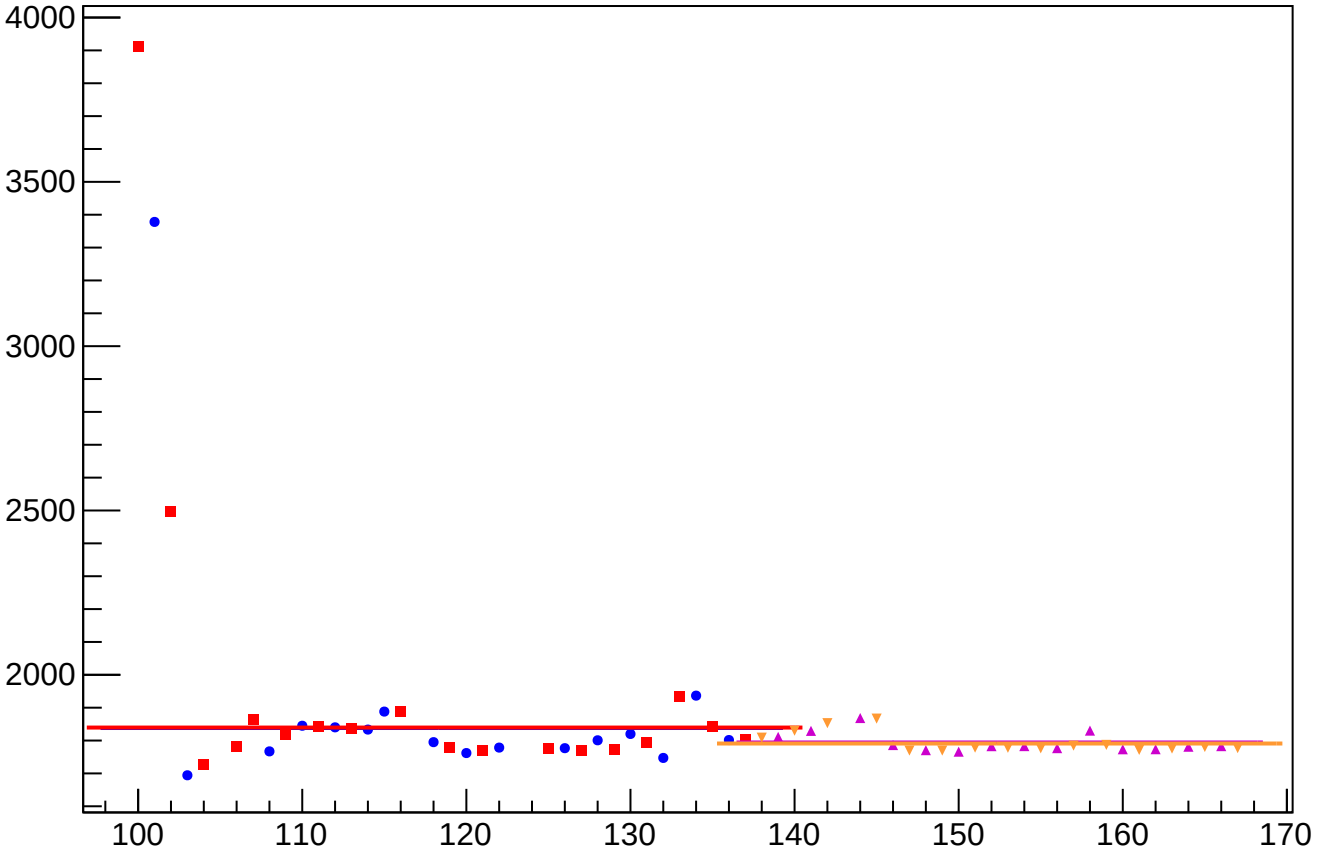
170
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: -181.850+/-520.920 χ²/NDF:18.3/14
Right Out: -534.194+/-690.970 χ²/NDF: 11.1/17
Left In: -632.838+/-528.041 χ²/NDF:16.9/13
Left: -404.283+/-370.838 χ²/NDF: 35.6/28
Right: -939.091+/-488.579 χ²/NDF: 21.4/33
In: -895.032+/-419.549 χ²/NDF:27.2/29
Out: -309.536+/-415.957 χ²/NDF:29.6/32
All: -599.767+/-295.388 χ²/NDF: 57.8/62



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1790.970+/-0.368 χ^2/NDF:5852.0/14

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1794.171+/-0.373 χ^2/NDF:5967.4/13

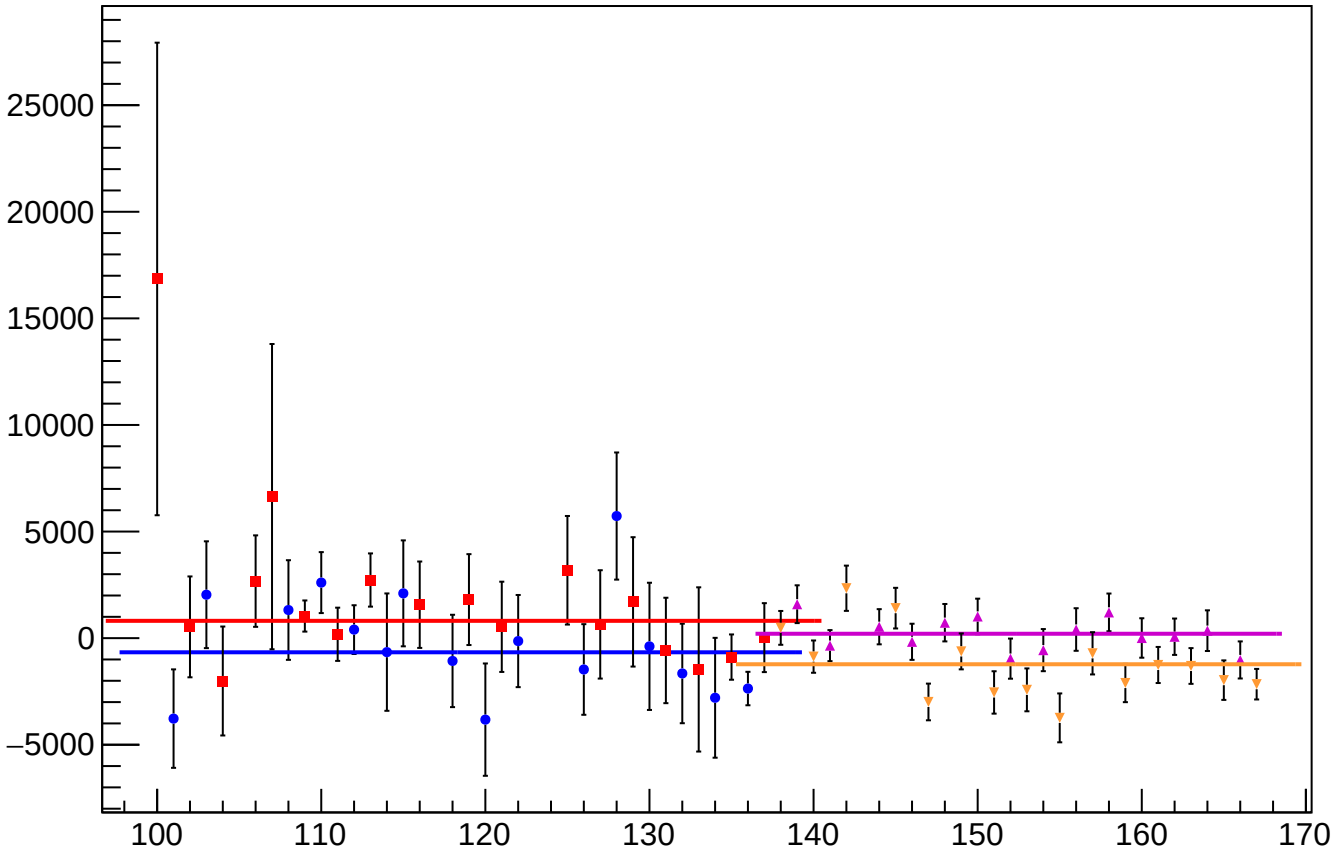
Left: 1792.548+/-0.262 χ^2/NDF: 11856.6/28

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1810.390+/-0.297 χ^2/NDF:303068.9/29

Out: 1808.563+/-0.294 χ^2/NDF:140400.7/32

All: 1809.468+/-0.209 χ^2/NDF: 443488.7/62



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1224.583+/-229.239 χ^2/NDF:40.1/14

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 206.058+/-234.713 χ^2/NDF:10.2/13

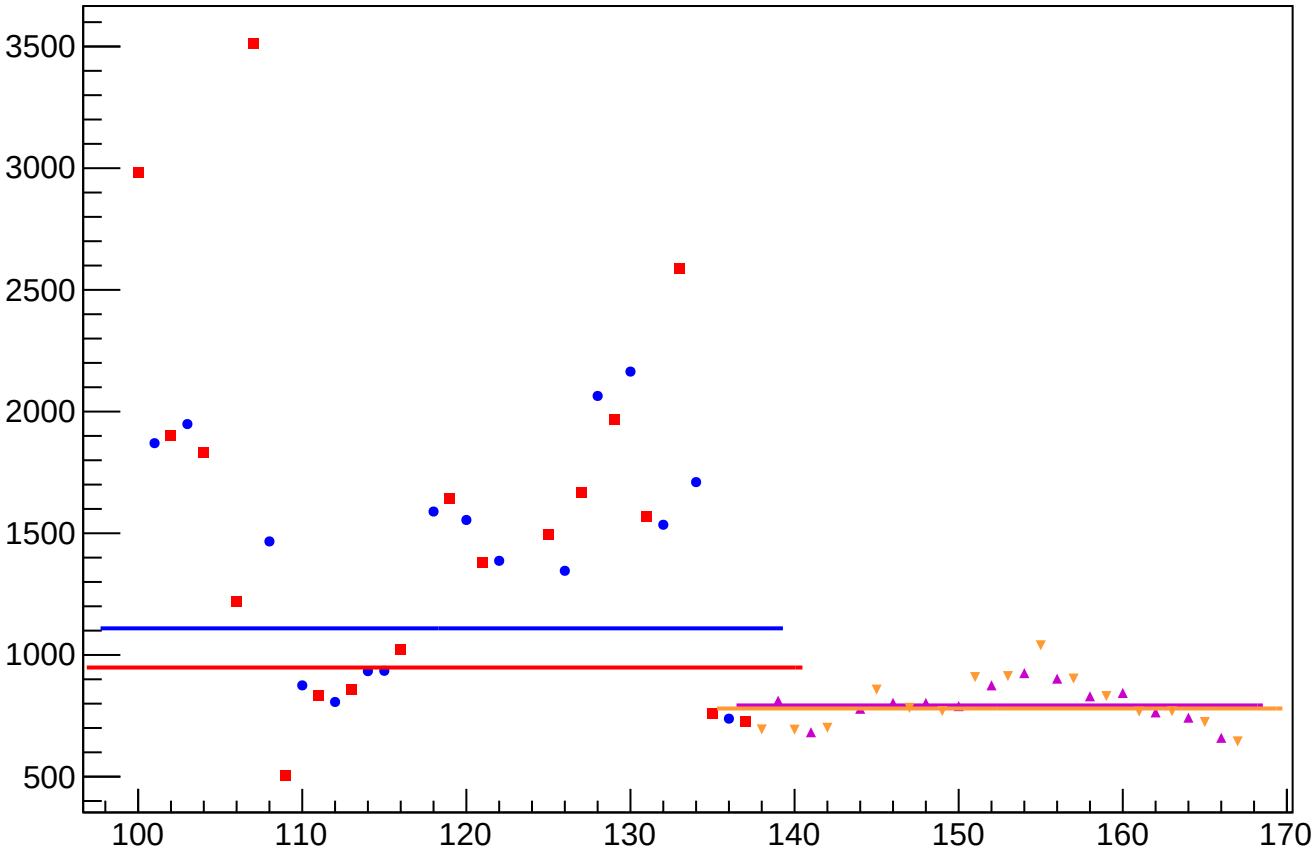
Left: -526.141+/-163.998 χ^2/NDF: 69.3/28

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 17.402+/-207.697 χ^2/NDF:36.0/29

Out: -715.647+/-198.543 χ^2/NDF:72.1/32

All: -365.632+/-143.518 χ^2/NDF: 114.5/62



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 780.077+/-0.162 χ^2/NDF:362024.1/14

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 792.628+/-0.166 χ^2/NDF:188037.3/13

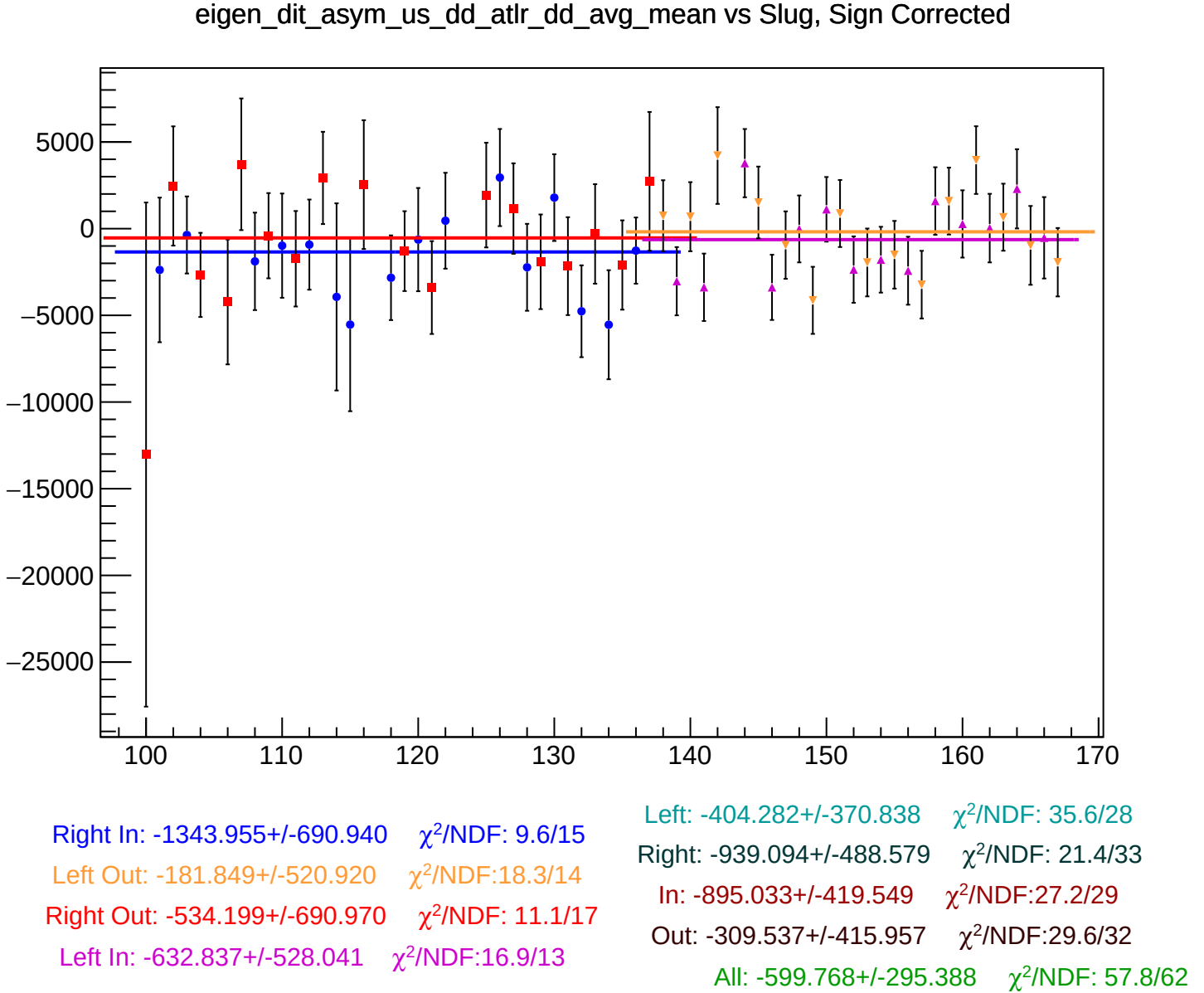
Left: 786.204+/-0.116 χ^2/NDF: 552988.8/28

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 861.347+/-0.147 χ^2/NDF:2951570.4/29

Out: 822.146+/-0.140 χ^2/NDF:3685257.9/32

All: 840.863+/-0.101 χ^2/NDF: 6674056.1/62


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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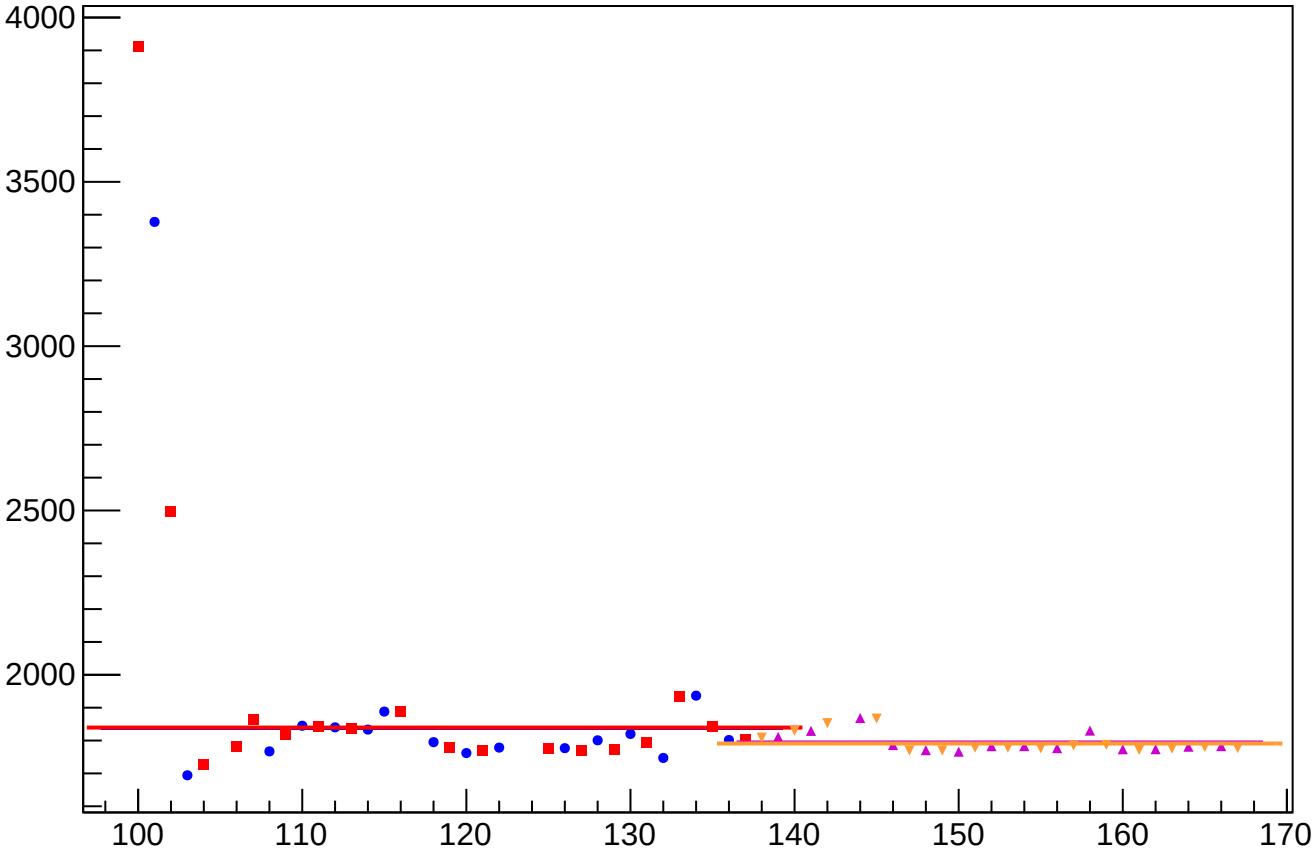
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -181.849+/-520.920 χ²/NDF:18.3/14
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -632.837+/-528.041 χ²/NDF:16.9/13
Left: -404.282+/-370.838 χ²/NDF: 35.6/28
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -895.033+/-419.549 χ²/NDF:27.2/29
Out: -309.537+/-415.957 χ²/NDF:29.6/32
All: -599.768+/-295.388 χ²/NDF: 57.8/62



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1790.970+/-0.368 χ^2/NDF:5852.0/14

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1794.171+/-0.373 χ^2/NDF:5967.4/13

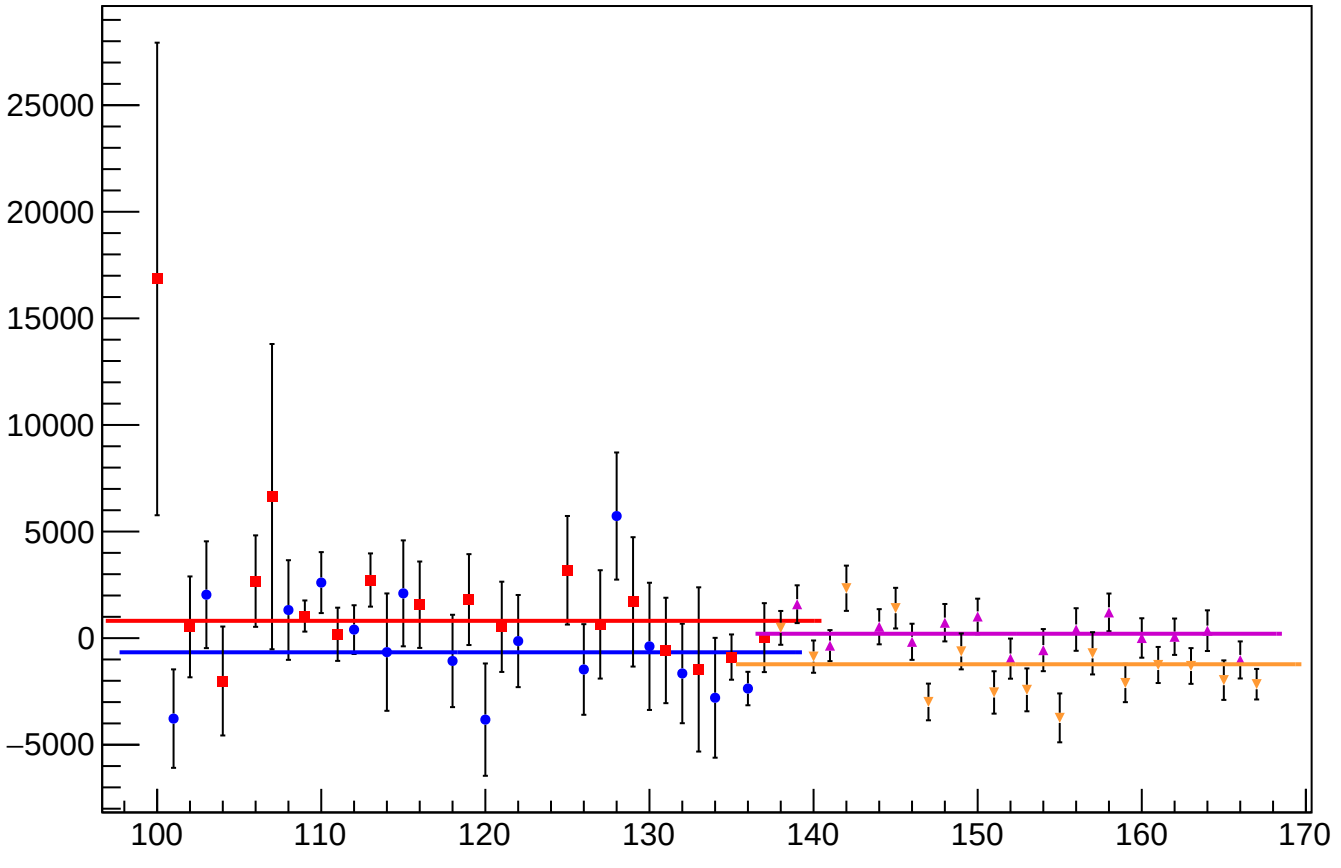
Left: 1792.548+/-0.262 χ^2/NDF: 11856.7/28

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1810.390+/-0.297 χ^2/NDF:303068.9/29

Out: 1808.563+/-0.294 χ^2/NDF:140400.7/32

All: 1809.468+/-0.209 χ^2/NDF: 443488.8/62



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -1224.590+/-229.239 χ^2/NDF:40.1/14

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 206.056+/-234.713 χ^2/NDF:10.2/13

Left: -526.145+/-163.998 χ^2/NDF: 69.3/28

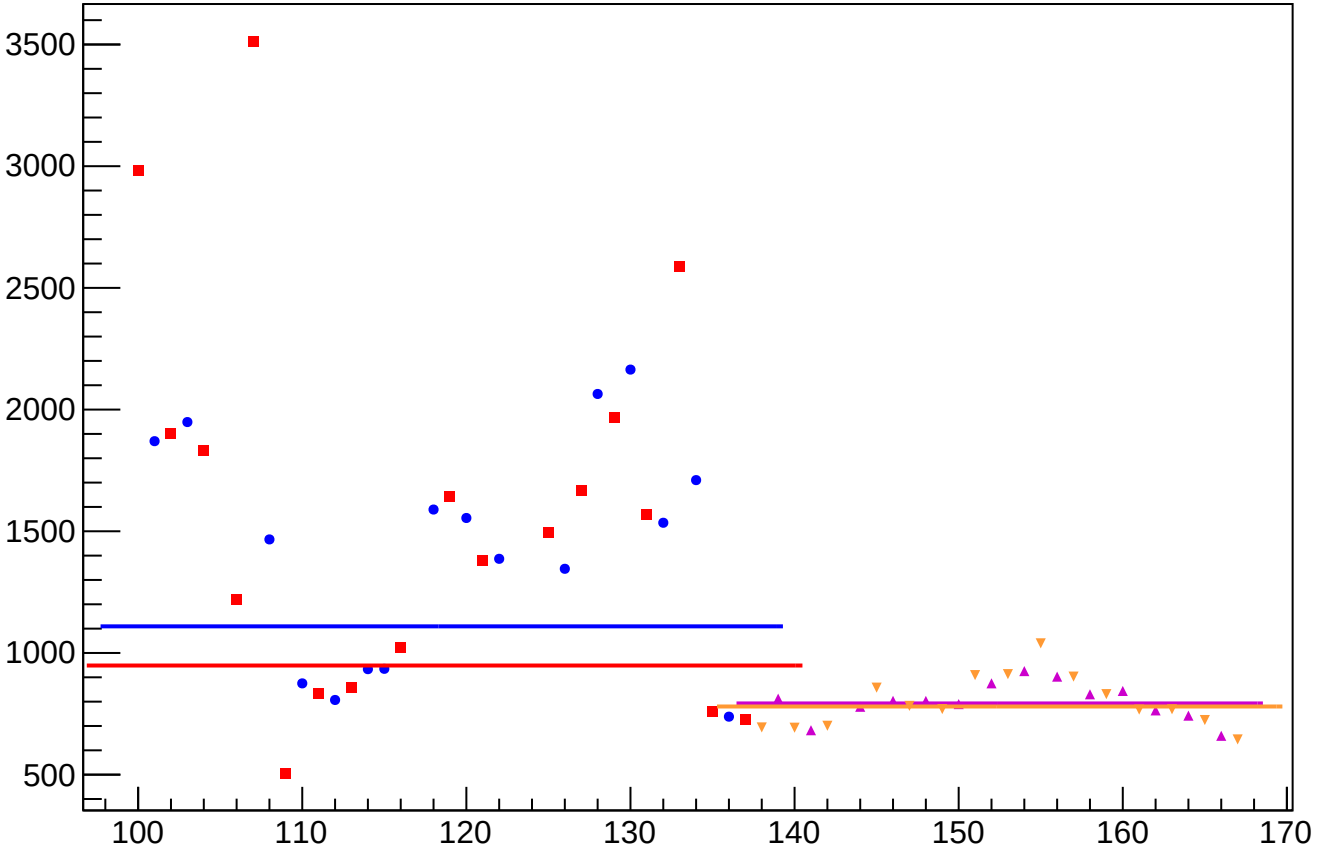
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 17.403+/-207.697 χ^2/NDF:36.0/29

Out: -715.650+/-198.544 χ^2/NDF:72.1/32

All: -365.632+/-143.518 χ^2/NDF: 114.5/62

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 780.078+/-0.162 χ^2/NDF:362013.8/14

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 792.629+/-0.166 χ^2/NDF:188041.1/13

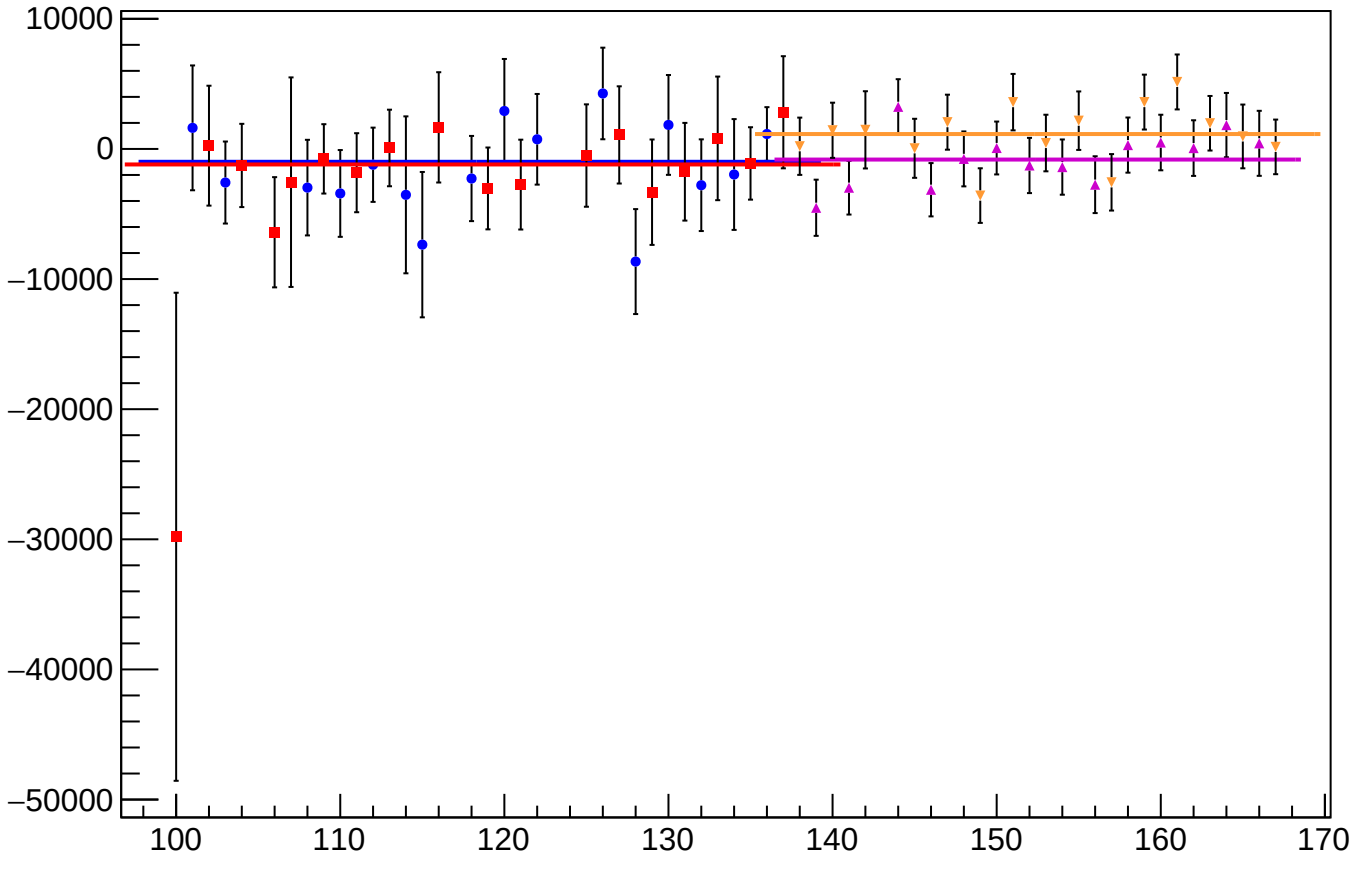
Left: 786.205+/-0.116 χ^2/NDF: 552981.9/28

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 861.348+/-0.147 χ^2/NDF:2951545.9/29

Out: 822.147+/-0.140 χ^2/NDF:3685224.5/32

All: 840.865+/-0.101 χ^2/NDF: 6673996.9/62



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1144.703+/-568.636 χ^2/NDF:15.6/14

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -816.228+/-575.936 χ^2/NDF:12.3/13

Left: 176.744+/-404.643 χ^2/NDF: 33.7/28

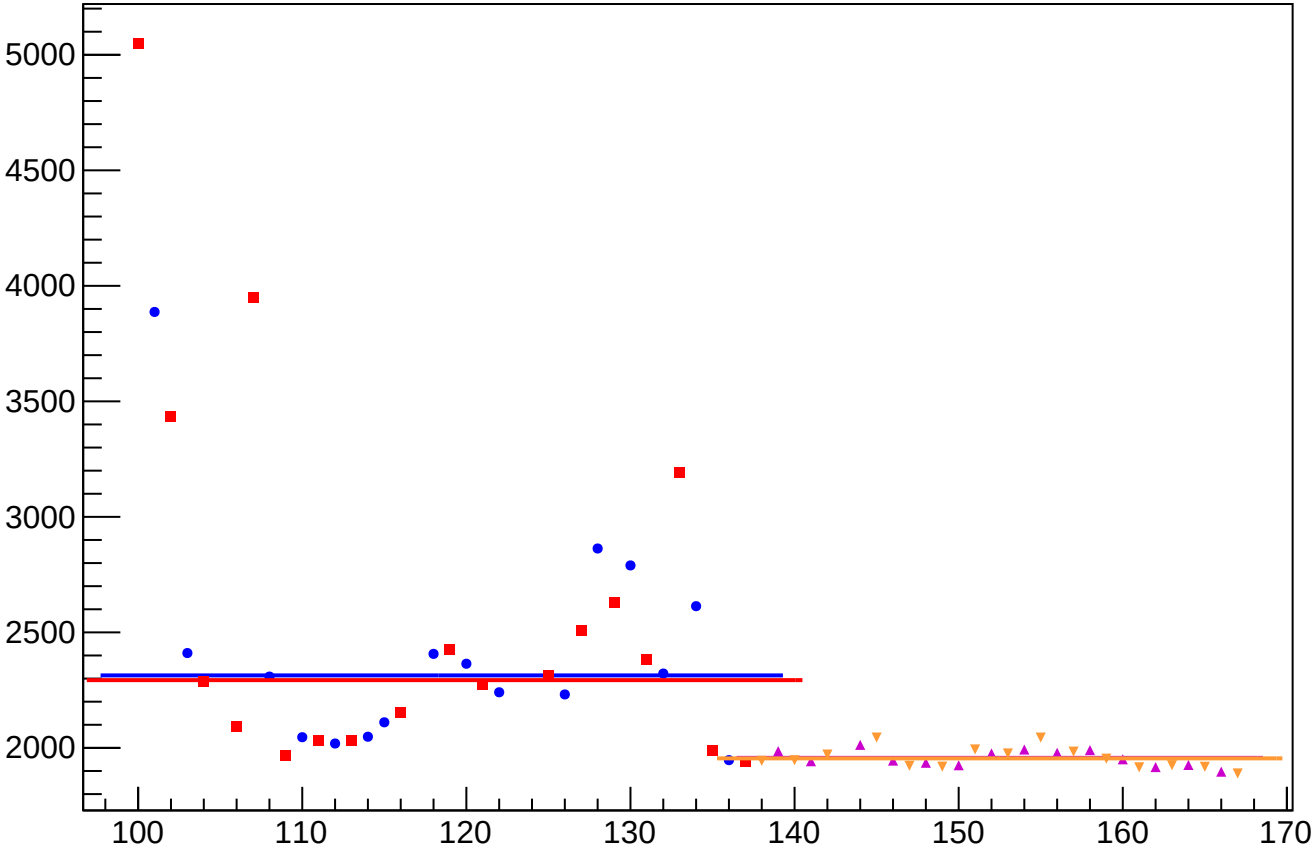
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -868.106+/-480.884 χ^2/NDF:24.3/29

Out: 445.700+/-476.055 χ^2/NDF:27.6/32

All: -204.573+/-338.316 χ^2/NDF: 55.6/62

asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1954.670+/-0.402 χ^2/NDF:12170.8/14

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1956.773+/-0.407 χ^2/NDF:6244.8/13

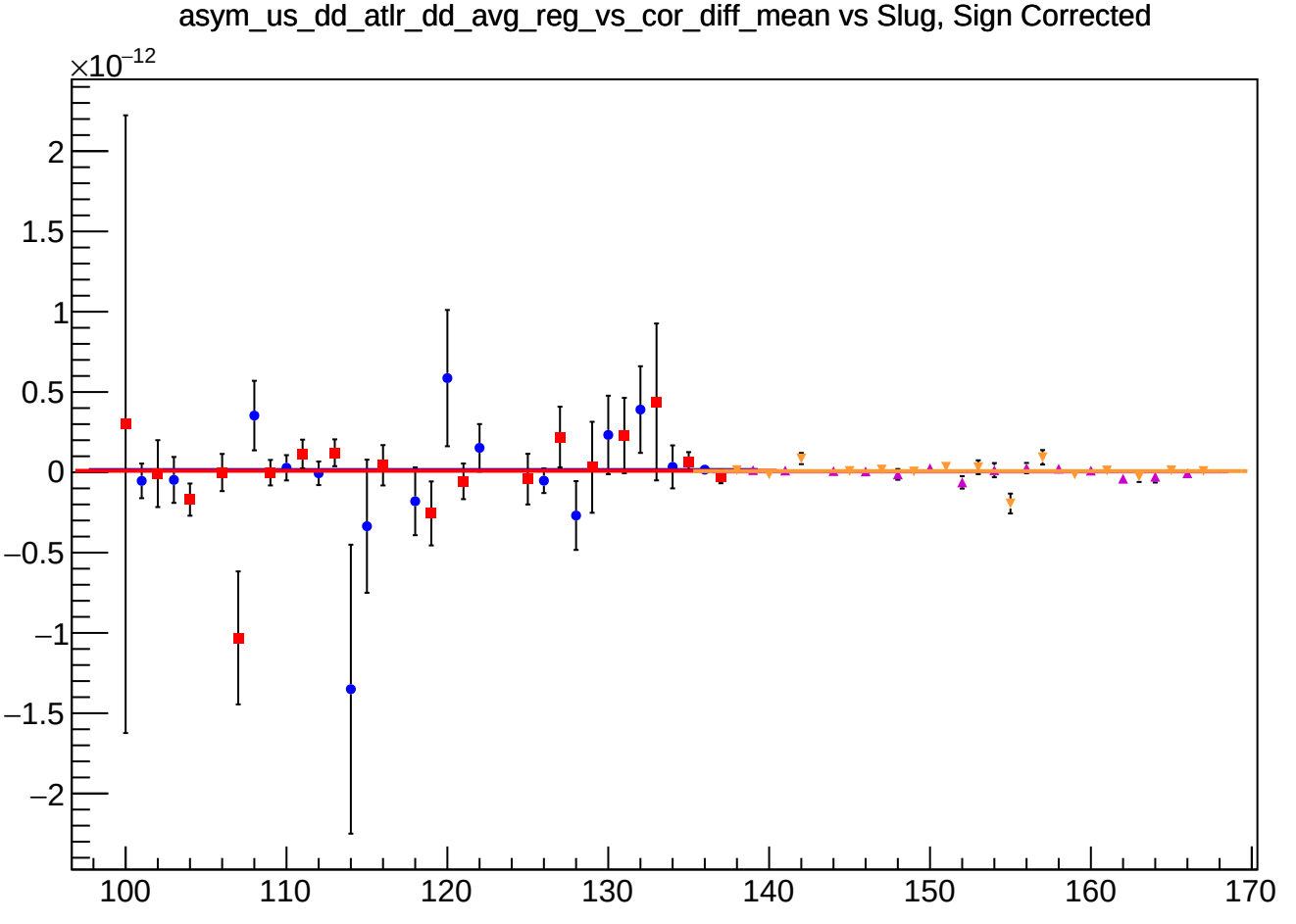
Left: 1955.708+/-0.286 χ^2/NDF: 18429.1/28

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

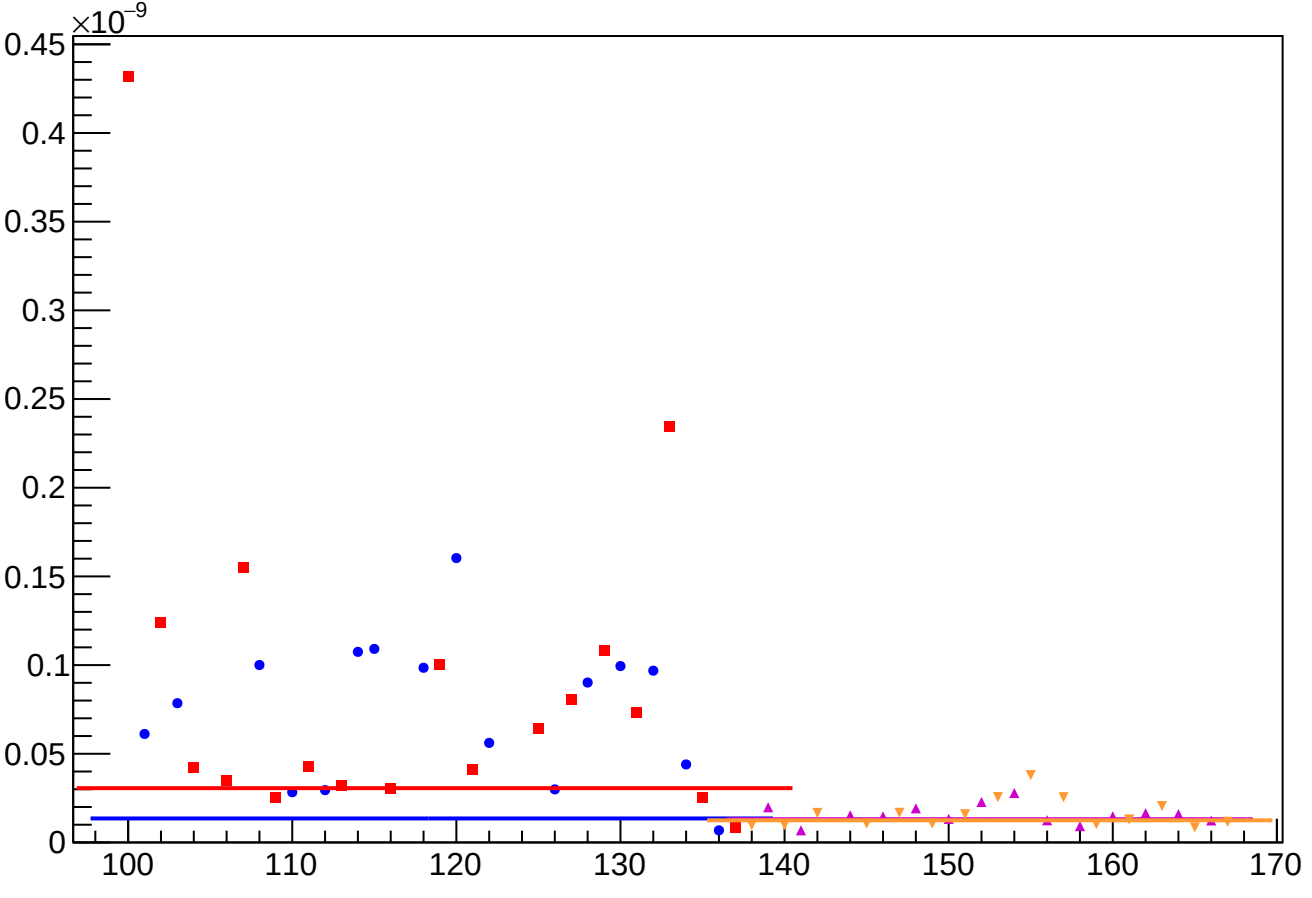
In: 2064.878+/-0.340 χ^2/NDF:641680.4/29

Out: 2055.954+/-0.337 χ^2/NDF:677498.8/32

All: 2060.371+/-0.239 χ^2/NDF: 1319527.1/62


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: 0.000+/-0.000 χ²/NDF:24.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 19.5/17
Left In: 0.000+/-0.000 χ²/NDF:9.0/13
Left: 0.000+/-0.000 χ²/NDF: 33.0/28
Right: 0.000+/-0.000 χ²/NDF: 34.5/33
In: 0.000+/-0.000 χ²/NDF:24.3/29
Out: 0.000+/-0.000 χ²/NDF:43.5/32
All: 0.000+/-0.000 χ²/NDF: 67.8/62

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1112226.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1051079.2/13

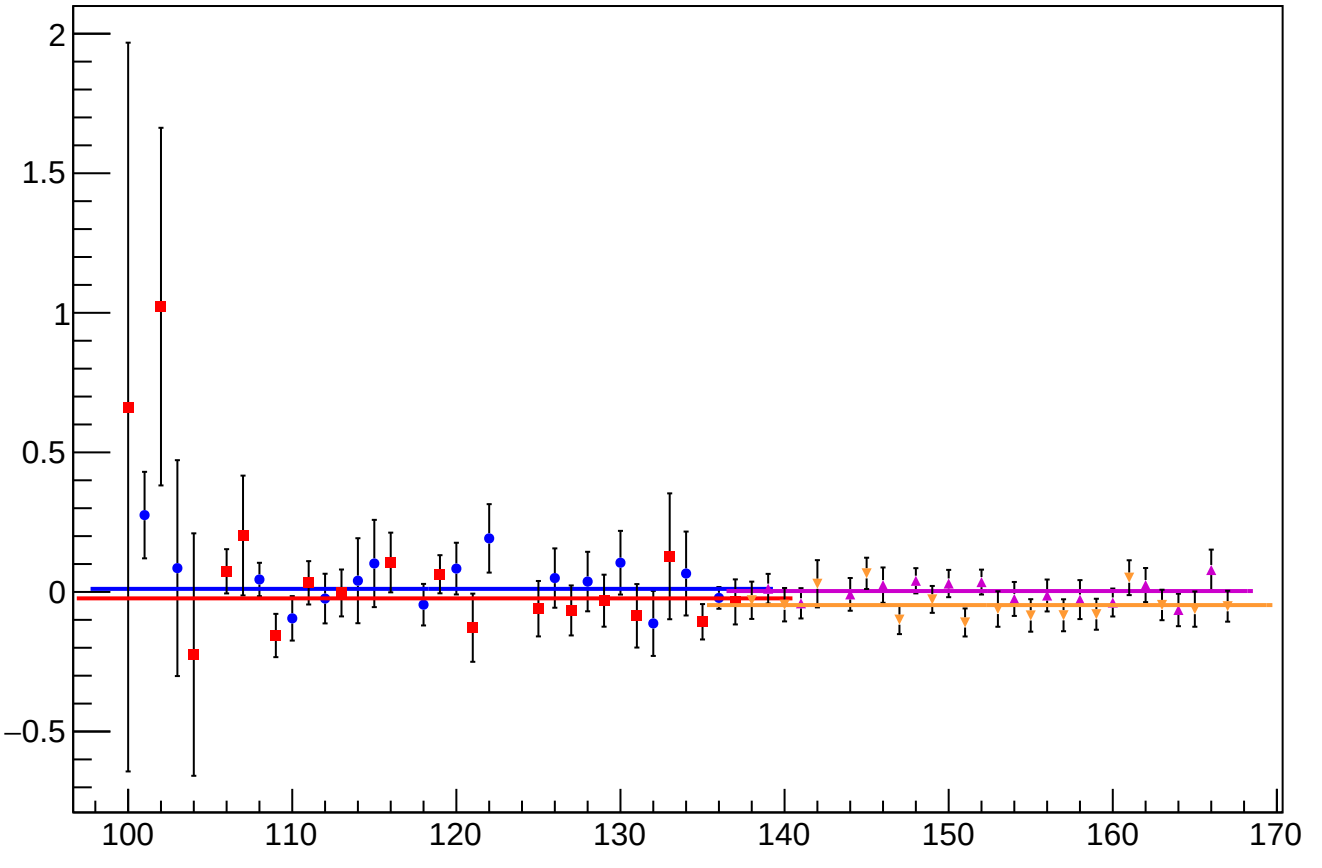
Left: 0.000+/-0.000 χ^2/NDF: 2171688.0/28

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4468718.1/29

Out: 0.000+/-0.000 χ^2/NDF:4517226.3/32

All: 0.000+/-0.000 χ^2/NDF: 8993059.4/62



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/14

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.003+/-0.015 χ^2/NDF:6.0/13

Left: -0.022+/-0.010 χ^2/NDF: 23.2/28

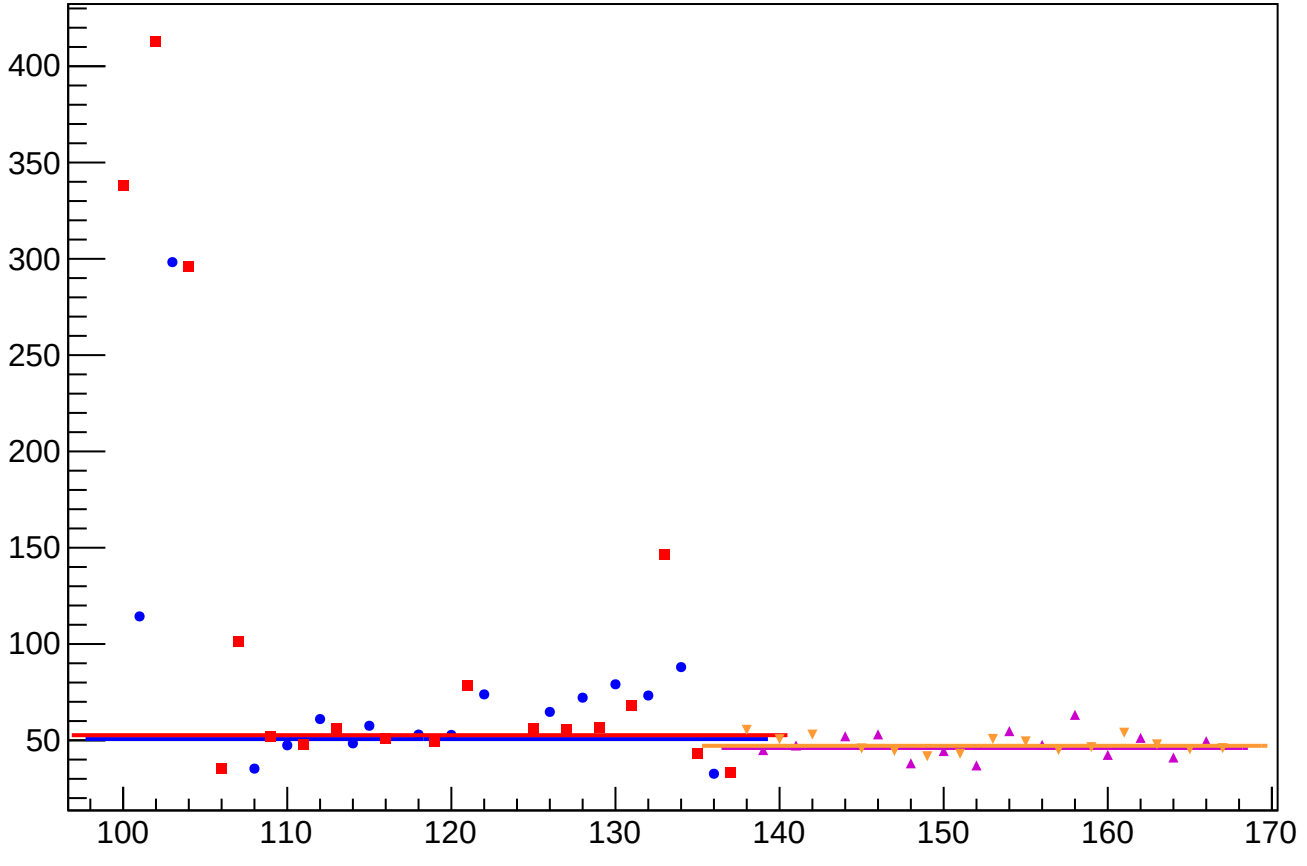
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.012 χ^2/NDF:17.8/29

Out: -0.040+/-0.013 χ^2/NDF:28.2/32

All: -0.017+/-0.009 χ^2/NDF: 52.8/62

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.157+/-0.011 χ^2/NDF:130832.3/14

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.035+/-0.010 χ^2/NDF:403636.4/13

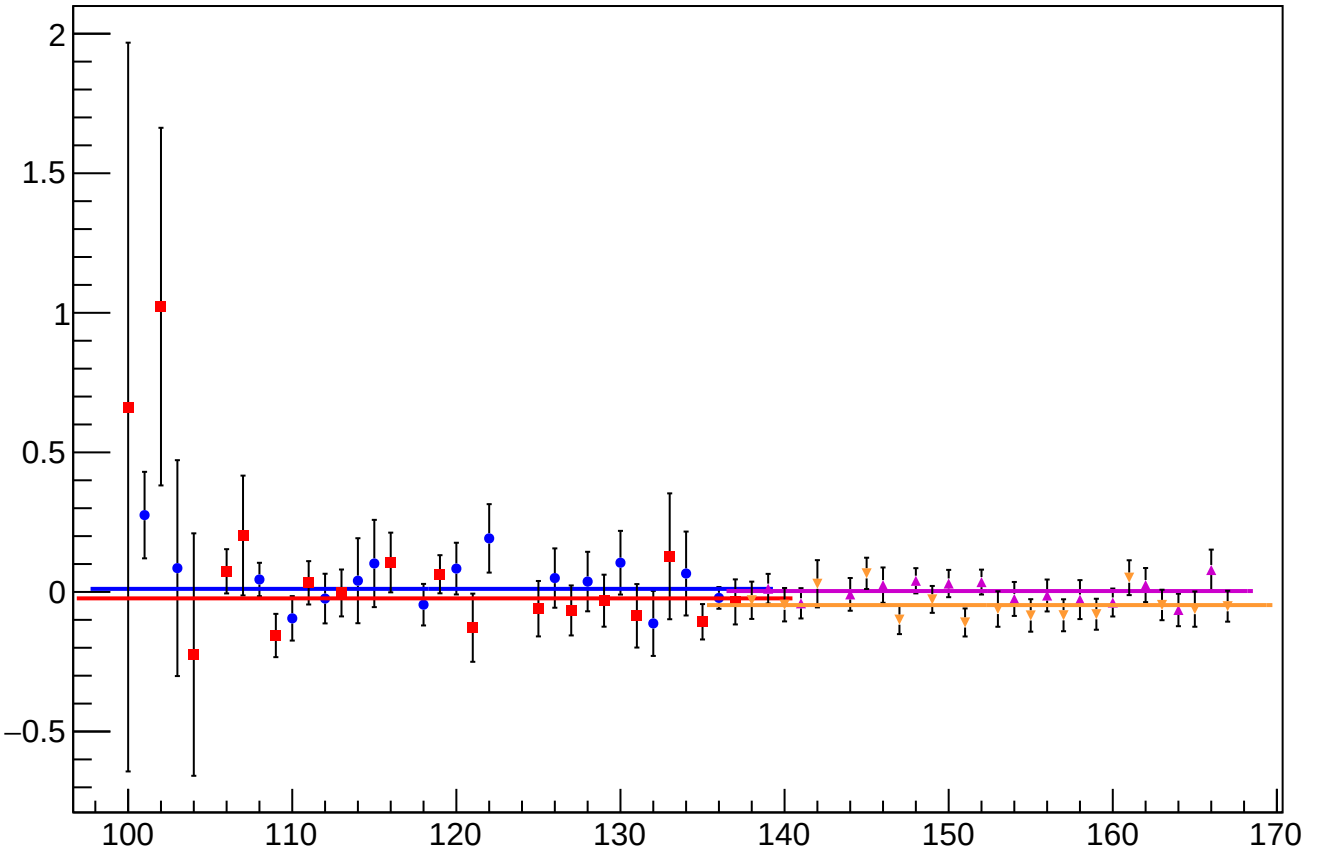
Left: 46.591+/-0.007 χ^2/NDF: 540178.3/28

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.480+/-0.009 χ^2/NDF:2731080.1/29

Out: 48.775+/-0.009 χ^2/NDF:2423035.9/32

All: 48.113+/-0.006 χ^2/NDF: 5165038.1/62



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/14

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.003+/-0.015 χ^2/NDF:6.0/13

Left: -0.022+/-0.010 χ^2/NDF: 23.2/28

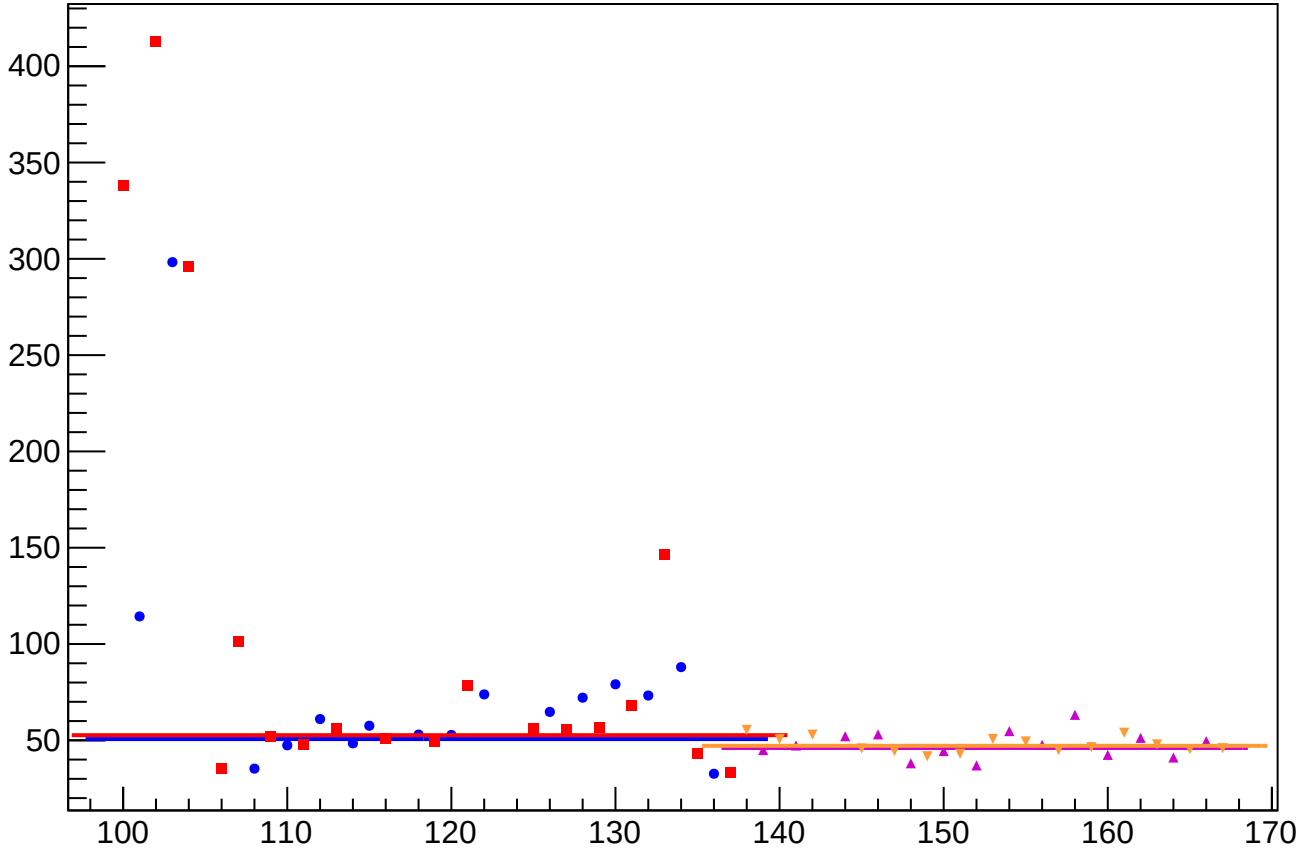
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.012 χ^2/NDF:17.8/29

Out: -0.040+/-0.013 χ^2/NDF:28.2/32

All: -0.017+/-0.009 χ^2/NDF: 52.8/62

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.157+/-0.011 χ^2/NDF:130832.3/14

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.035+/-0.010 χ^2/NDF:403636.4/13

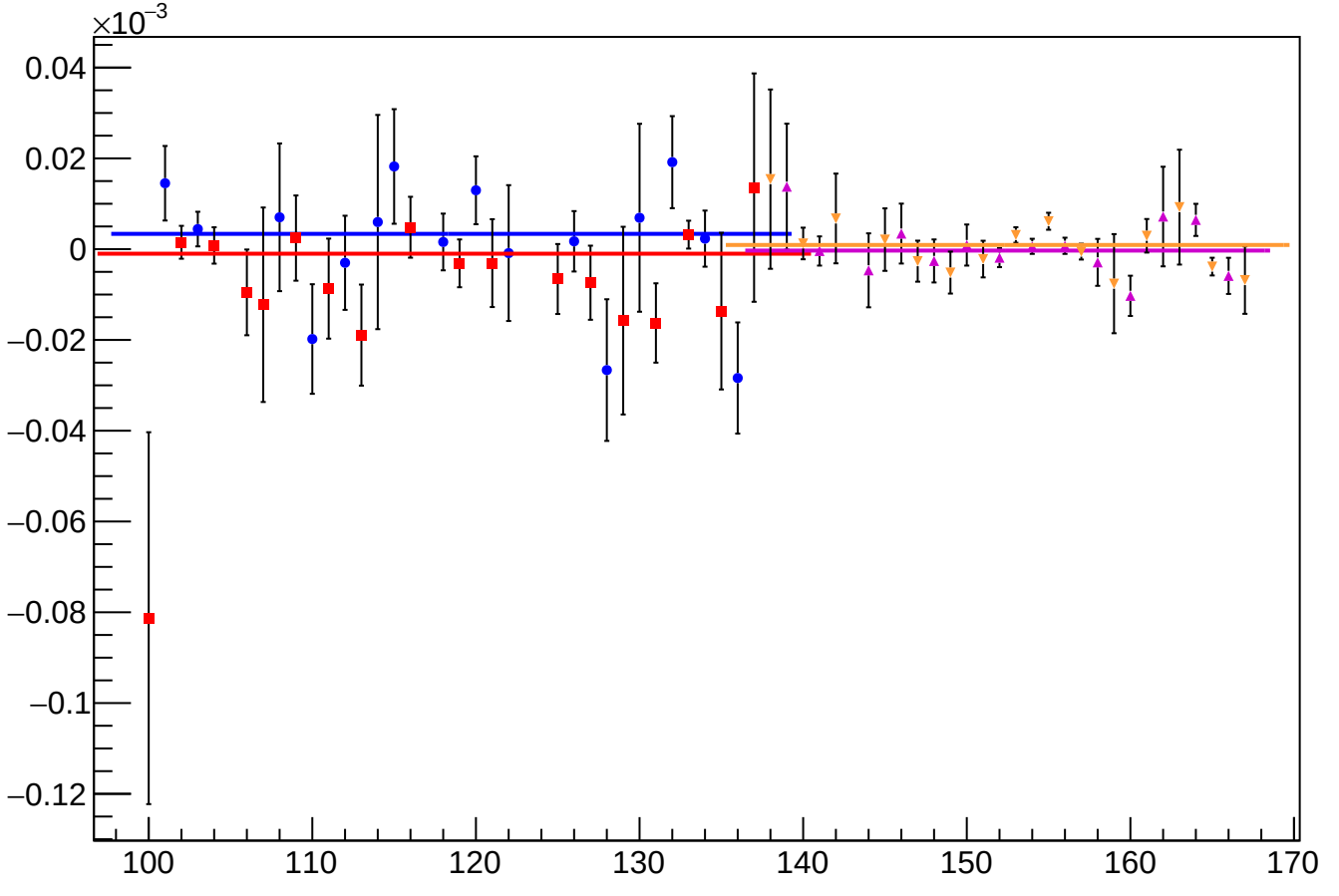
Left: 46.591+/-0.007 χ^2/NDF: 540178.3/28

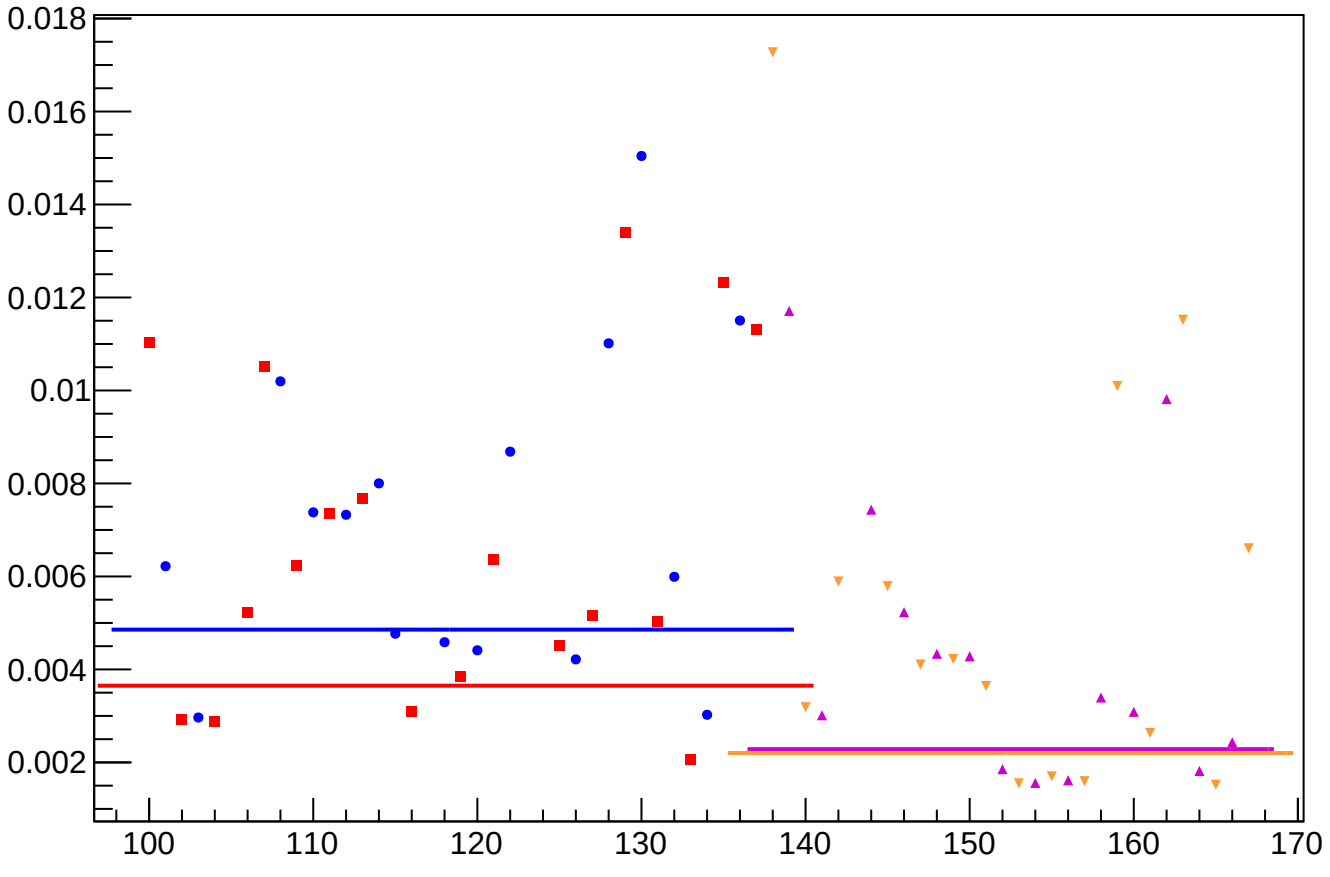
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.480+/-0.009 χ^2/NDF:2731080.1/29

Out: 48.775+/-0.009 χ^2/NDF:2423035.9/32

All: 48.113+/-0.006 χ^2/NDF: 5165038.1/62


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.2/15
Left Out: 0.000+/-0.000 χ²/NDF:22.4/14
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.6/13
Left: 0.000+/-0.000 χ²/NDF: 38.1/28
Right: 0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:39.5/29
Out: 0.000+/-0.000 χ²/NDF:40.9/32
All: 0.000+/-0.000 χ²/NDF: 80.4/62



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:6920418.2/14

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:4873535.0/13

Left: 0.002+/-0.000 χ^2/NDF: 11804042.0/28

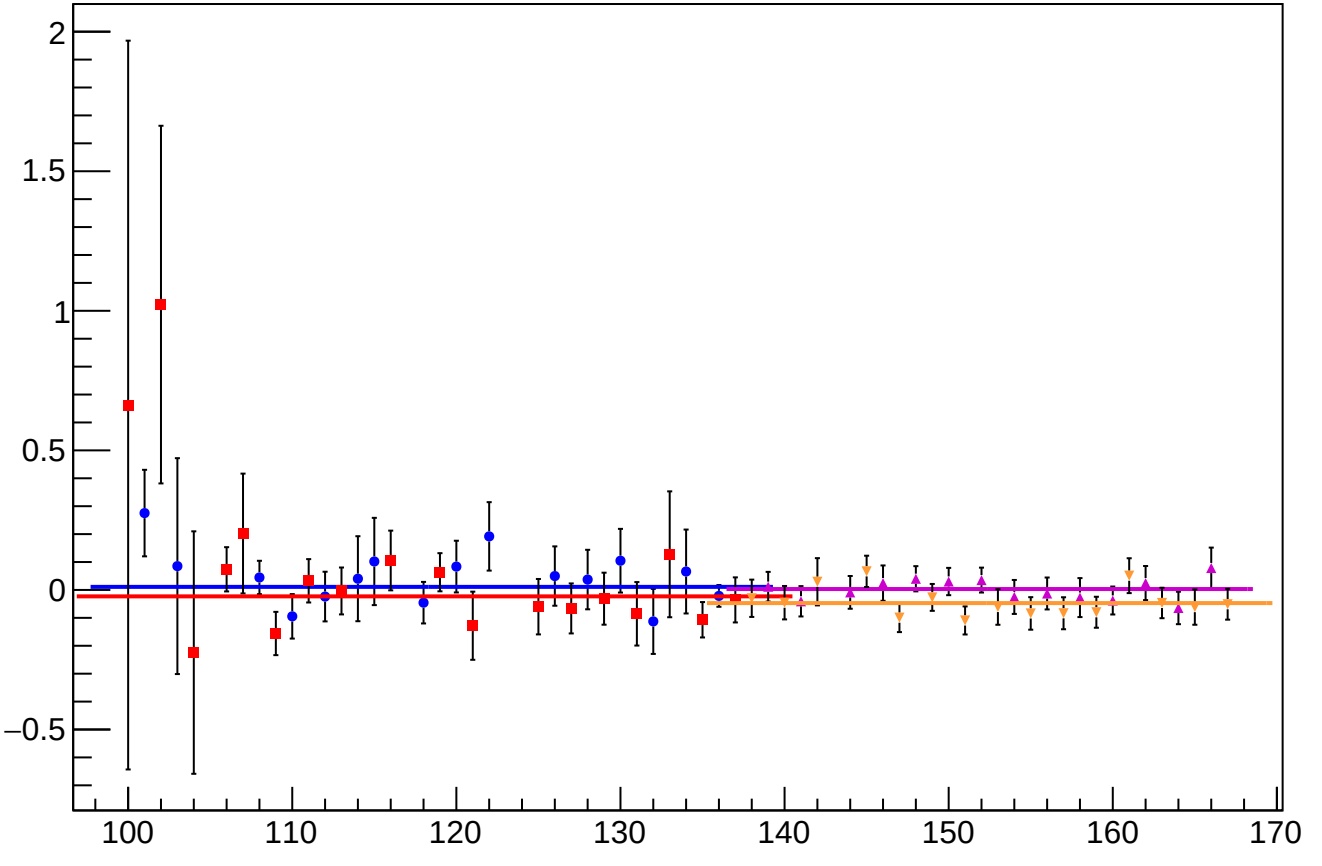
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:10237019.6/29

Out: 0.002+/-0.000 χ^2/NDF:11391228.7/32

All: 0.003+/-0.000 χ^2/NDF: 21672795.3/62

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/14

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.003+/-0.015 χ^2/NDF:6.0/13

Left: -0.022+/-0.010 χ^2/NDF: 23.2/28

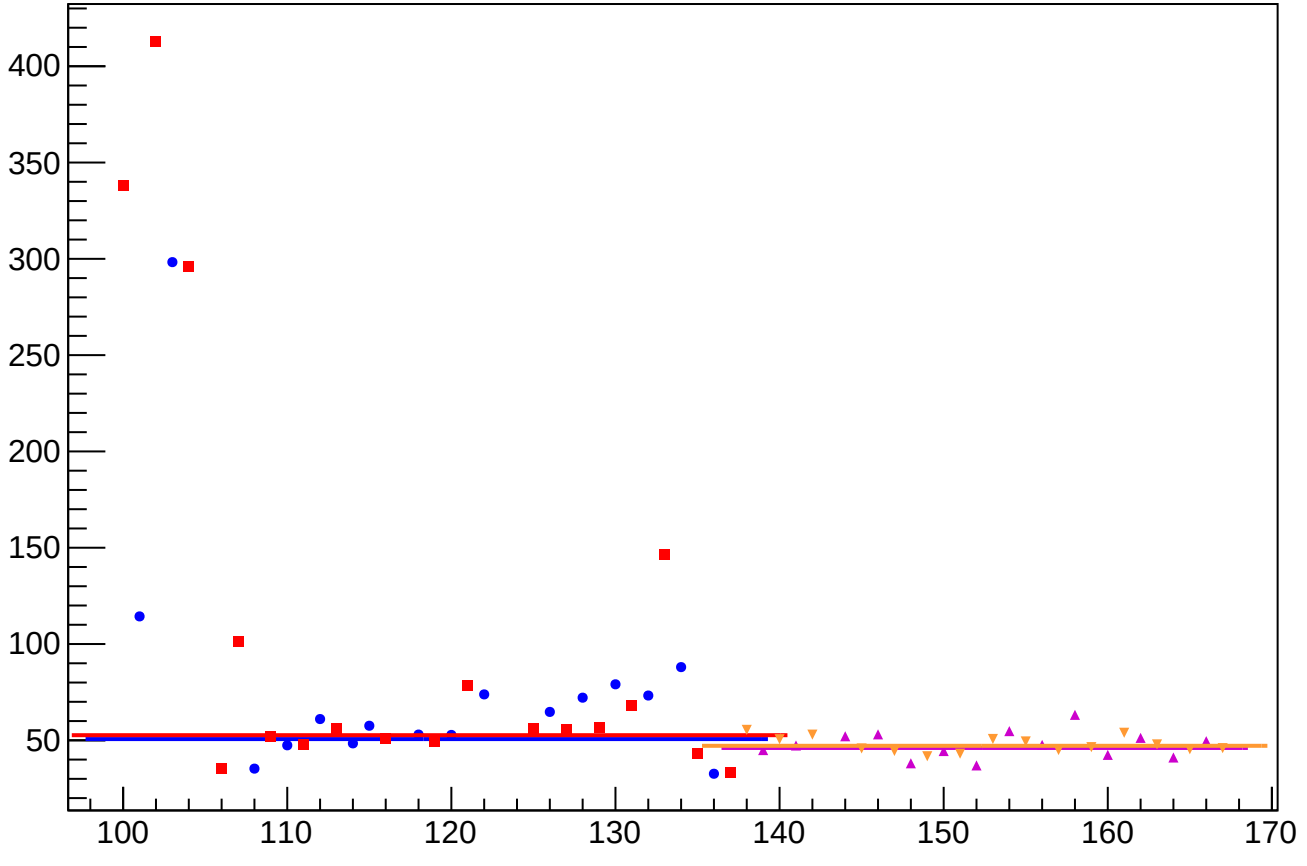
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.012 χ^2/NDF:17.8/29

Out: -0.040+/-0.013 χ^2/NDF:28.2/32

All: -0.017+/-0.009 χ^2/NDF: 52.8/62

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.156+/-0.011 χ^2/NDF:130818.9/14

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.035+/-0.010 χ^2/NDF:403601.4/13

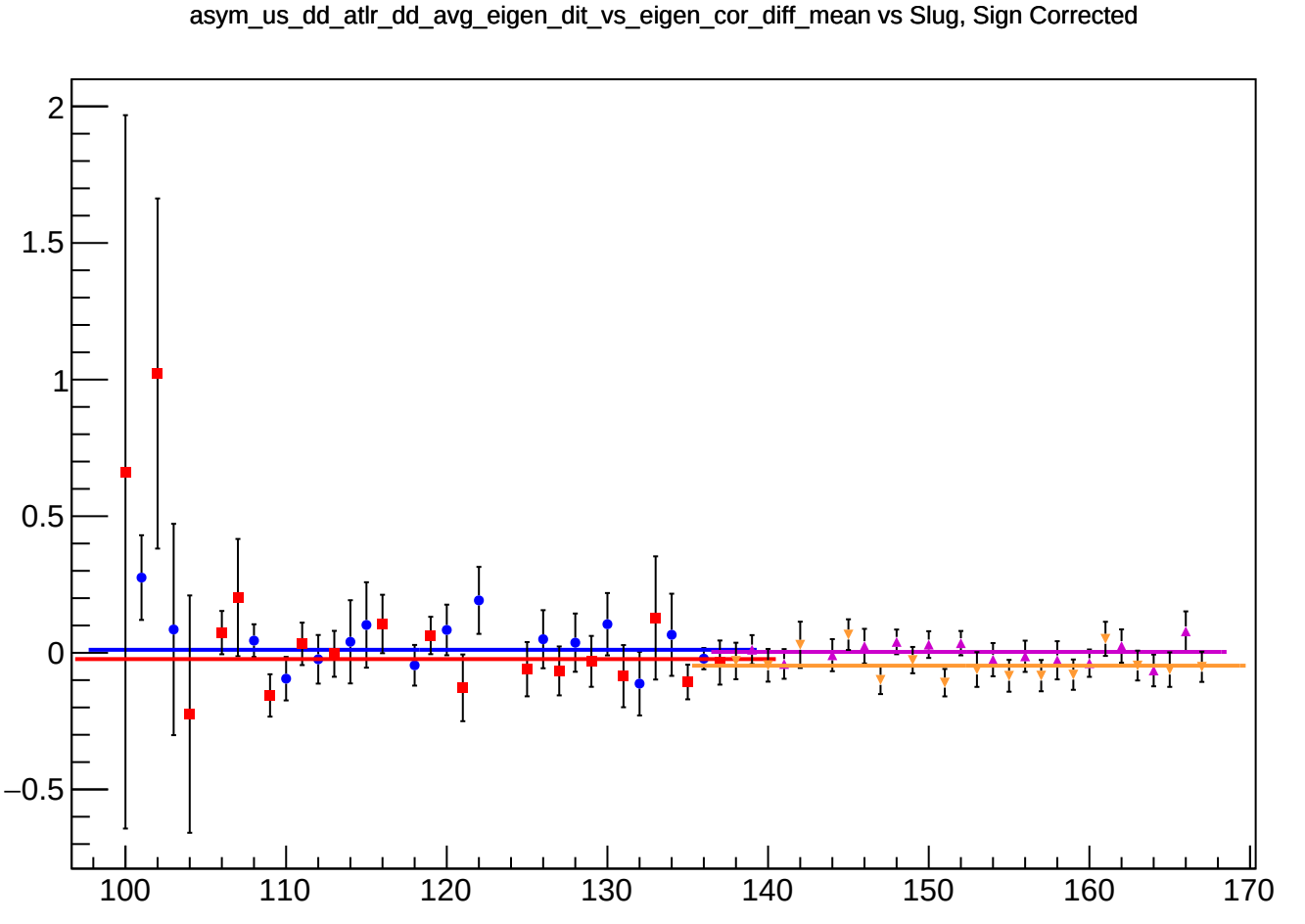
Left: 46.591+/-0.007 χ^2/NDF: 540124.9/28

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

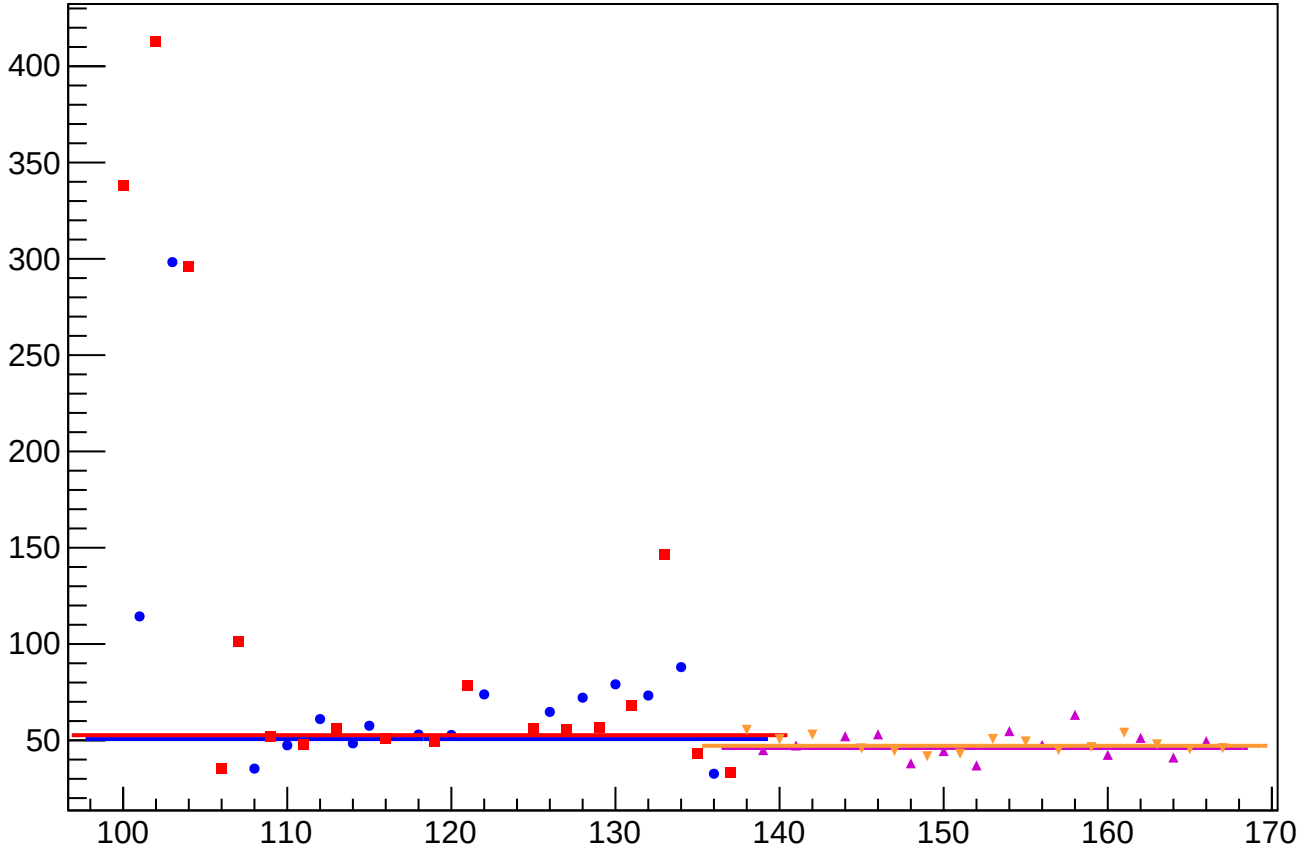
In: 47.481+/-0.009 χ^2/NDF:2730955.3/29

Out: 48.775+/-0.009 χ^2/NDF:2422938.2/32

All: 48.113+/-0.006 χ^2/NDF: 5164810.9/62


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
160
170
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.047+/-0.015 χ²/NDF:11.5/14
Right Out: -0.023+/-0.023 χ²/NDF: 15.9/17
Left In: 0.003+/-0.015 χ²/NDF:6.0/13
Left: -0.022+/-0.010 χ²/NDF: 23.2/28
Right: -0.005+/-0.016 χ²/NDF: 28.8/33
In: 0.006+/-0.012 χ²/NDF:17.8/29
Out: -0.040+/-0.013 χ²/NDF:28.2/32
All: -0.017+/-0.009 χ²/NDF: 52.8/62

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.156+/-0.011 χ^2/NDF:130818.9/14

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.035+/-0.010 χ^2/NDF:403601.4/13

Left: 46.591+/-0.007 χ^2/NDF: 540124.9/28

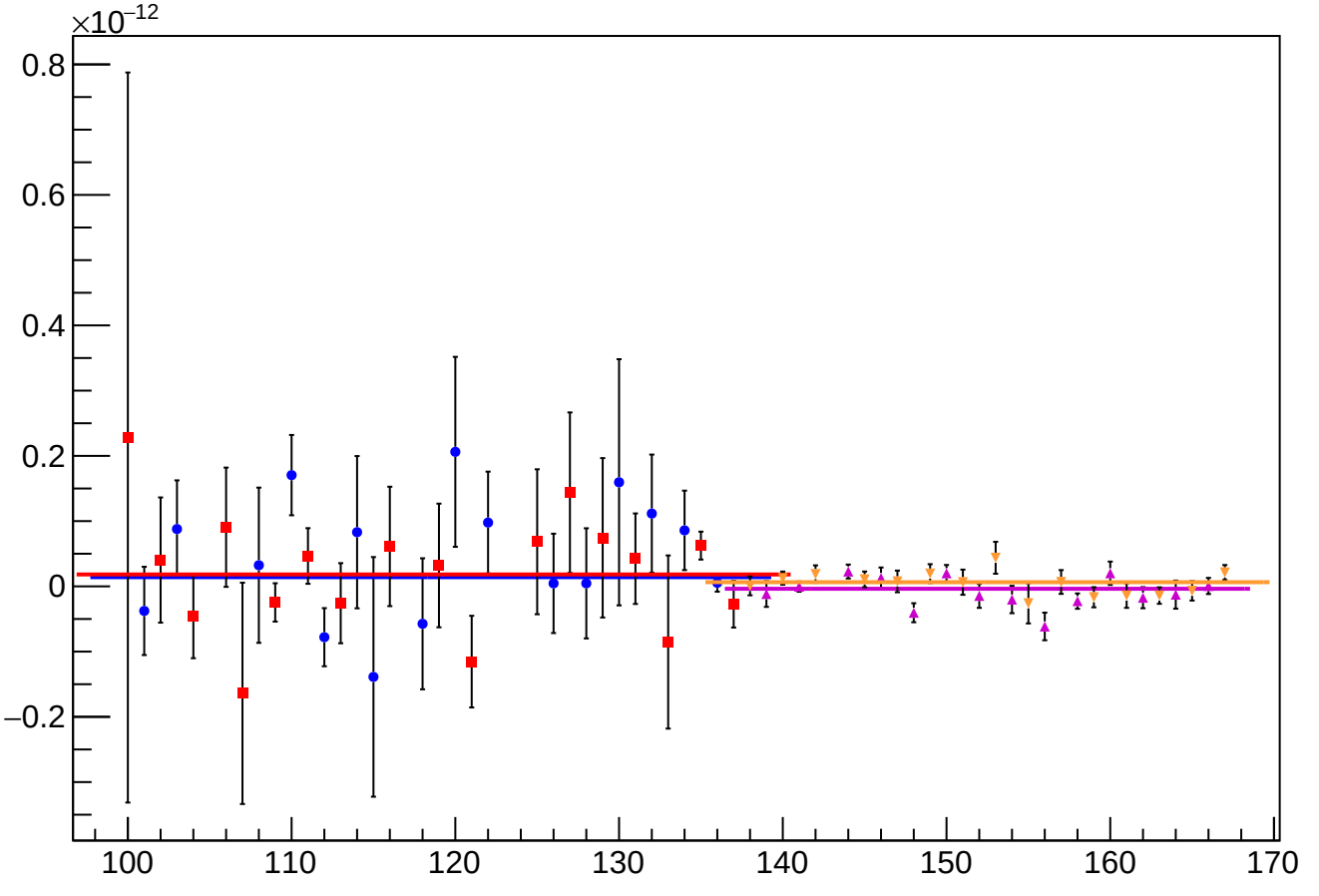
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.481+/-0.009 χ^2/NDF:2730955.3/29

Out: 48.775+/-0.009 χ^2/NDF:2422938.2/32

All: 48.113+/-0.006 χ^2/NDF: 5164810.9/62

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:31.2/13

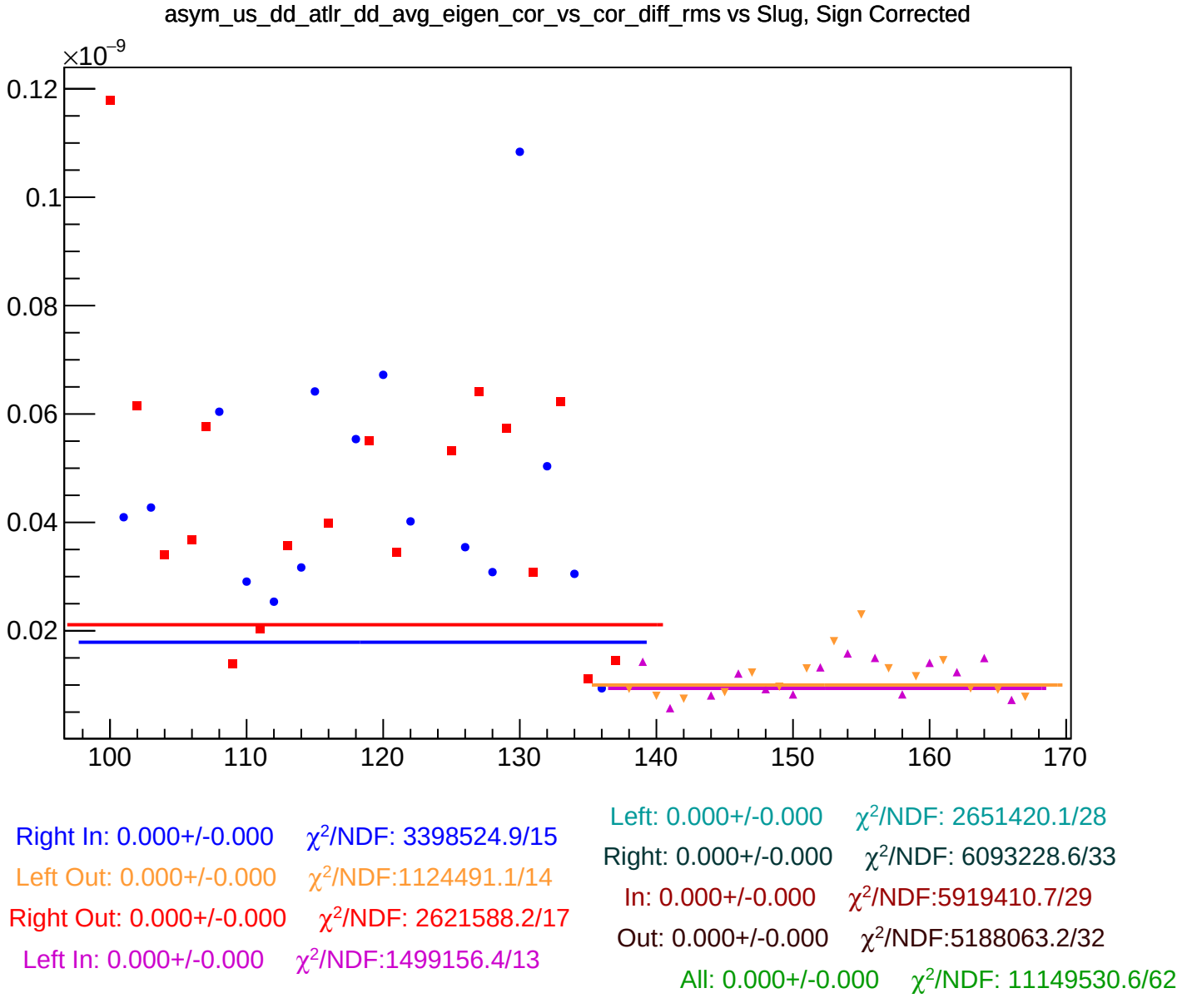
Left: 0.000+/-0.000 χ^2/NDF: 49.2/28

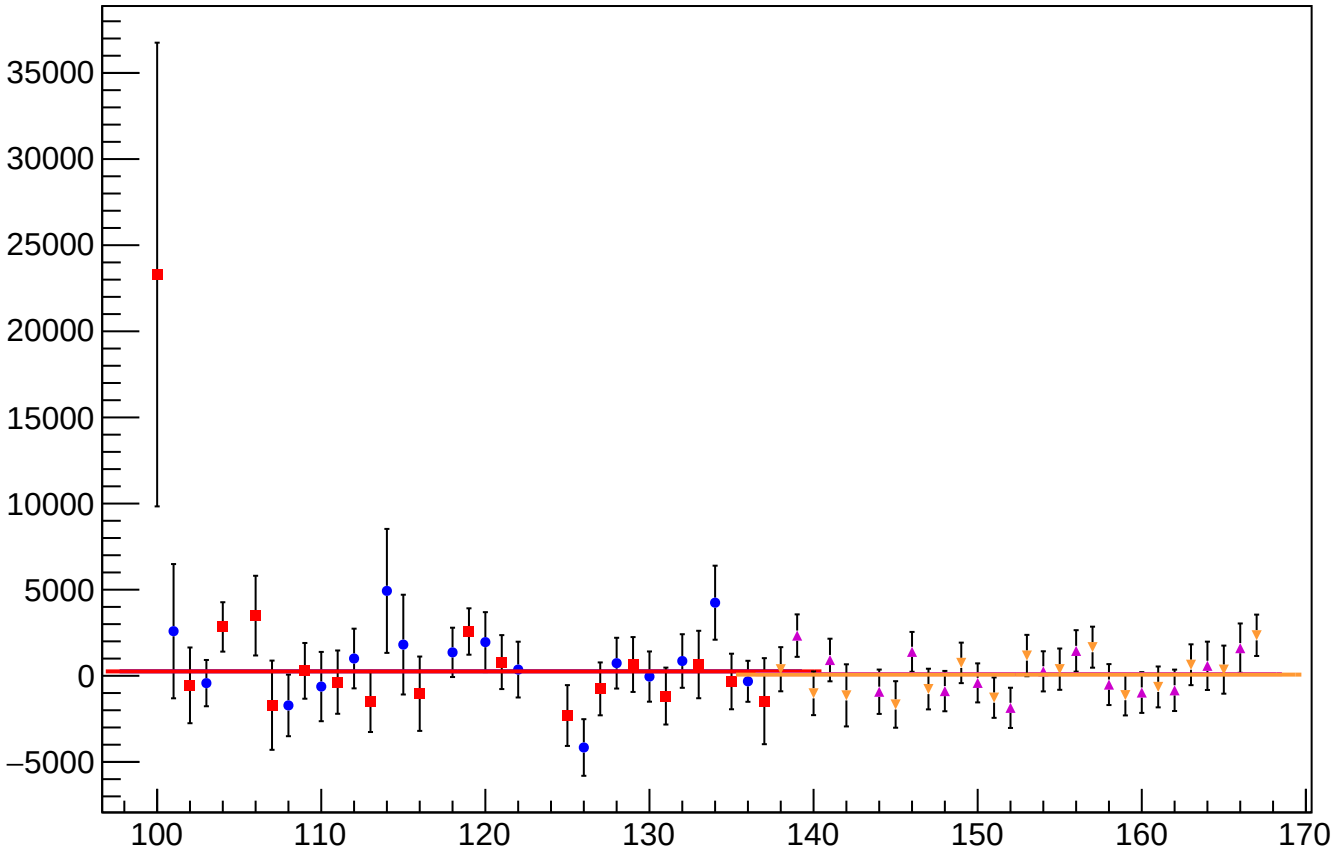
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:53.7/29

Out: 0.000+/-0.000 χ^2/NDF:33.2/32

All: 0.000+/-0.000 χ^2/NDF: 90.4/62


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3398524.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1124491.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 2621588.2/17
Left In: 0.000+/-0.000 χ²/NDF:1499156.4/13
Left: 0.000+/-0.000 χ²/NDF: 2651420.1/28
Right: 0.000+/-0.000 χ²/NDF: 6093228.6/33
In: 0.000+/-0.000 χ²/NDF:5919410.7/29
Out: 0.000+/-0.000 χ²/NDF:5188063.2/32
All: 0.000+/-0.000 χ²/NDF: 11149530.6/62



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 68.880+/-321.090 χ^2/NDF:13.0/14

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 96.983+/-325.457 χ^2/NDF:13.5/13

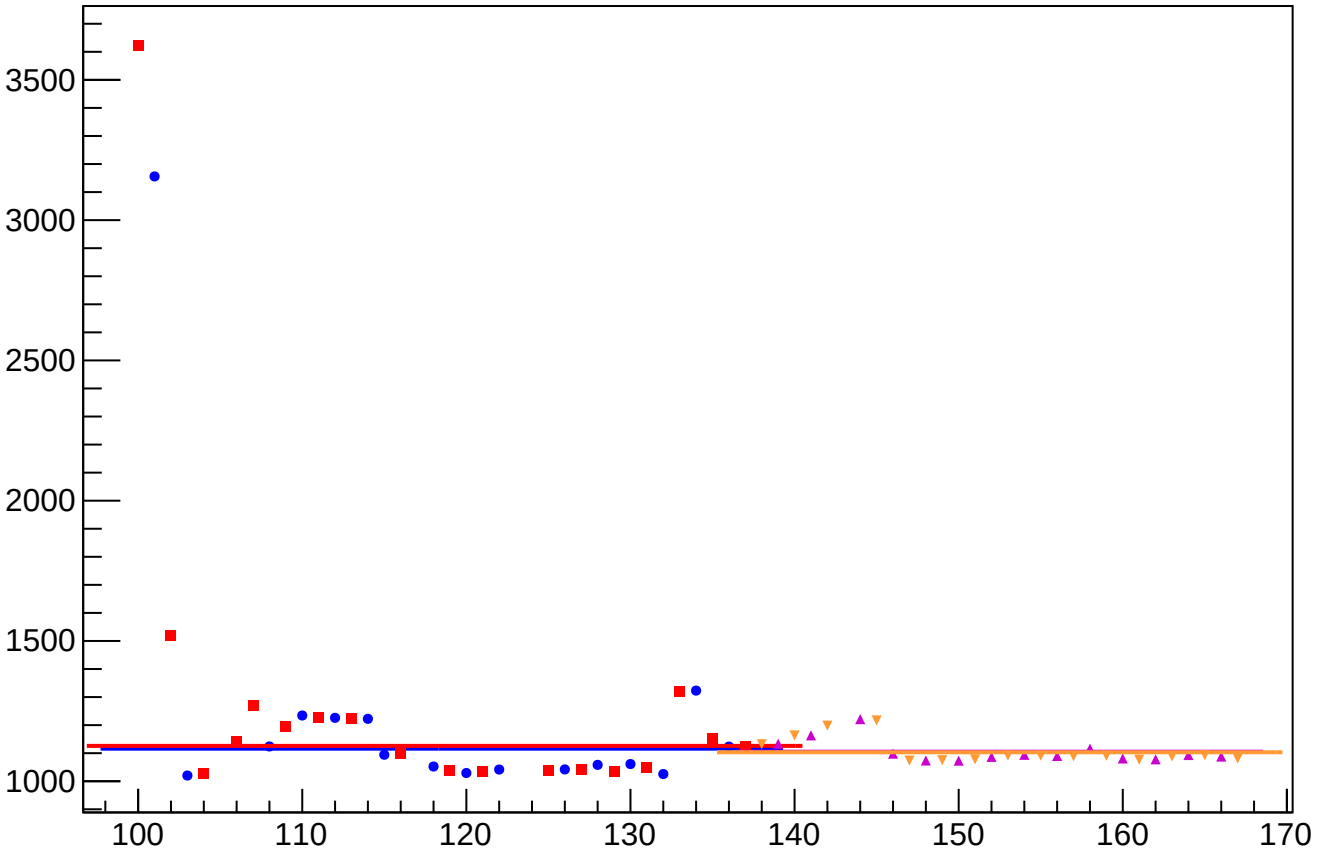
Left: 82.742+/-228.573 χ^2/NDF: 26.5/28

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 157.599+/-258.318 χ^2/NDF:30.6/29

Out: 136.692+/-256.365 χ^2/NDF:30.5/32

All: 147.066+/-181.964 χ^2/NDF: 61.1/62



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1103.280+/-0.227 χ^2/NDF:31487.4/14

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1105.244+/-0.230 χ^2/NDF:28280.6/13

Left: 1104.249+/-0.162 χ^2/NDF: 59804.9/28

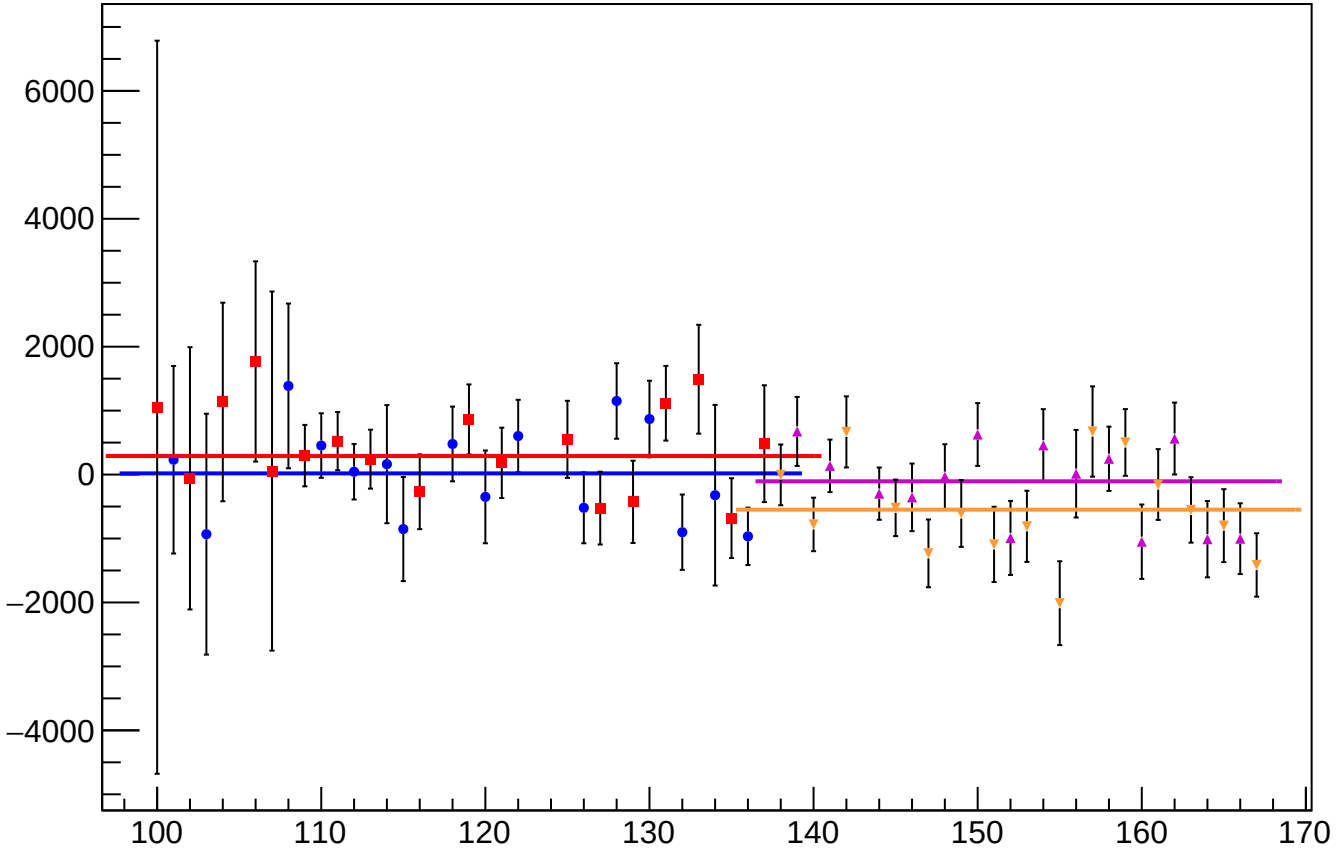
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1109.257+/-0.183 χ^2/NDF:652493.3/29

Out: 1111.522+/-0.181 χ^2/NDF:257228.5/32

All: 1110.398+/-0.129 χ^2/NDF: 909799.3/62

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -548.951+/-135.991 χ^2/NDF:24.9/14

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -105.365+/-139.542 χ^2/NDF:18.0/13

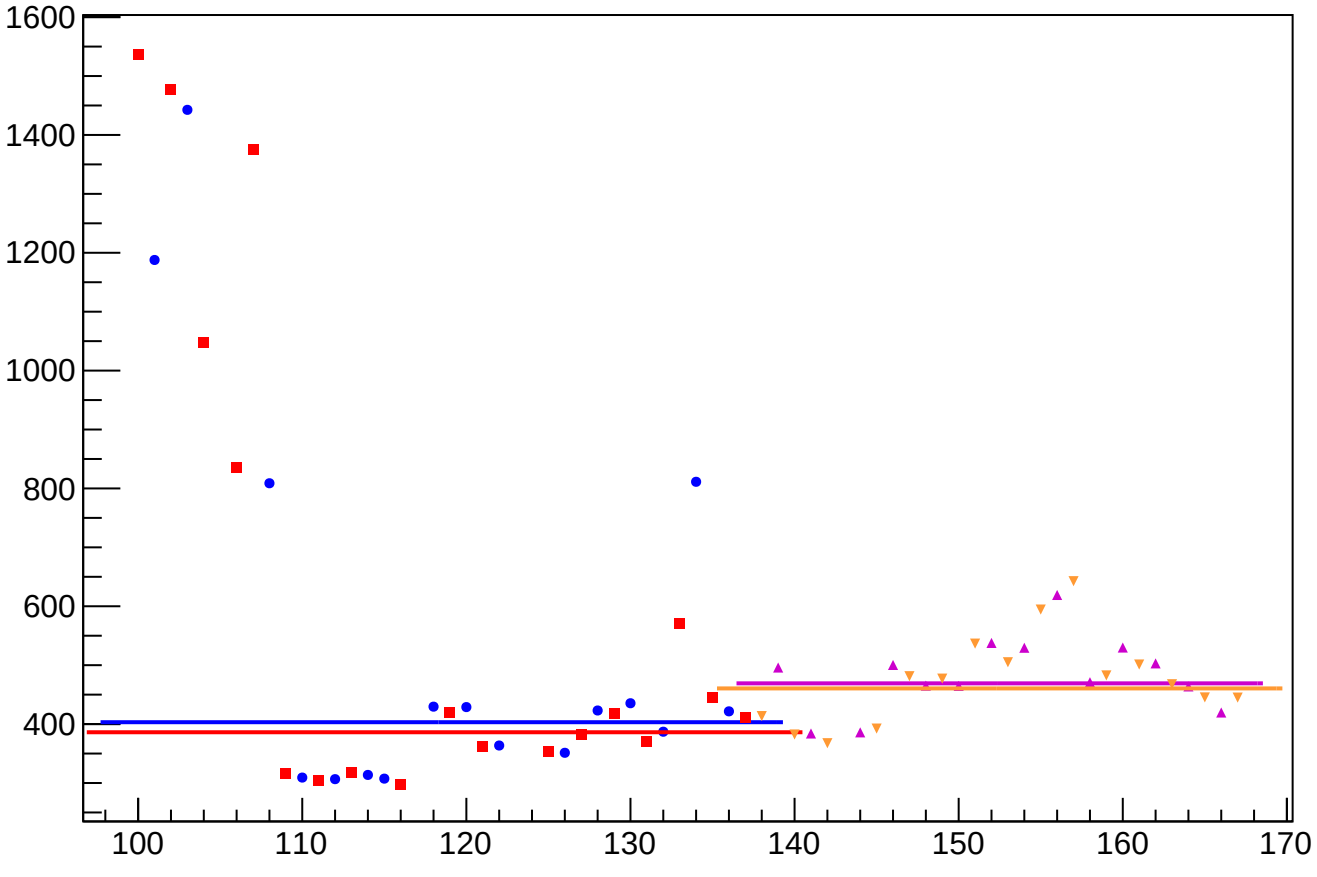
Left: -332.873+/-97.391 χ^2/NDF: 48.1/28

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: -52.334+/-105.514 χ^2/NDF:37.5/29

Out: -187.218+/-102.563 χ^2/NDF:54.8/32

All: -121.689+/-73.544 χ^2/NDF: 93.1/62



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 460.547+/-0.096 χ^2/NDF:478523.8/14

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 469.163+/-0.099 χ^2/NDF:373315.2/13

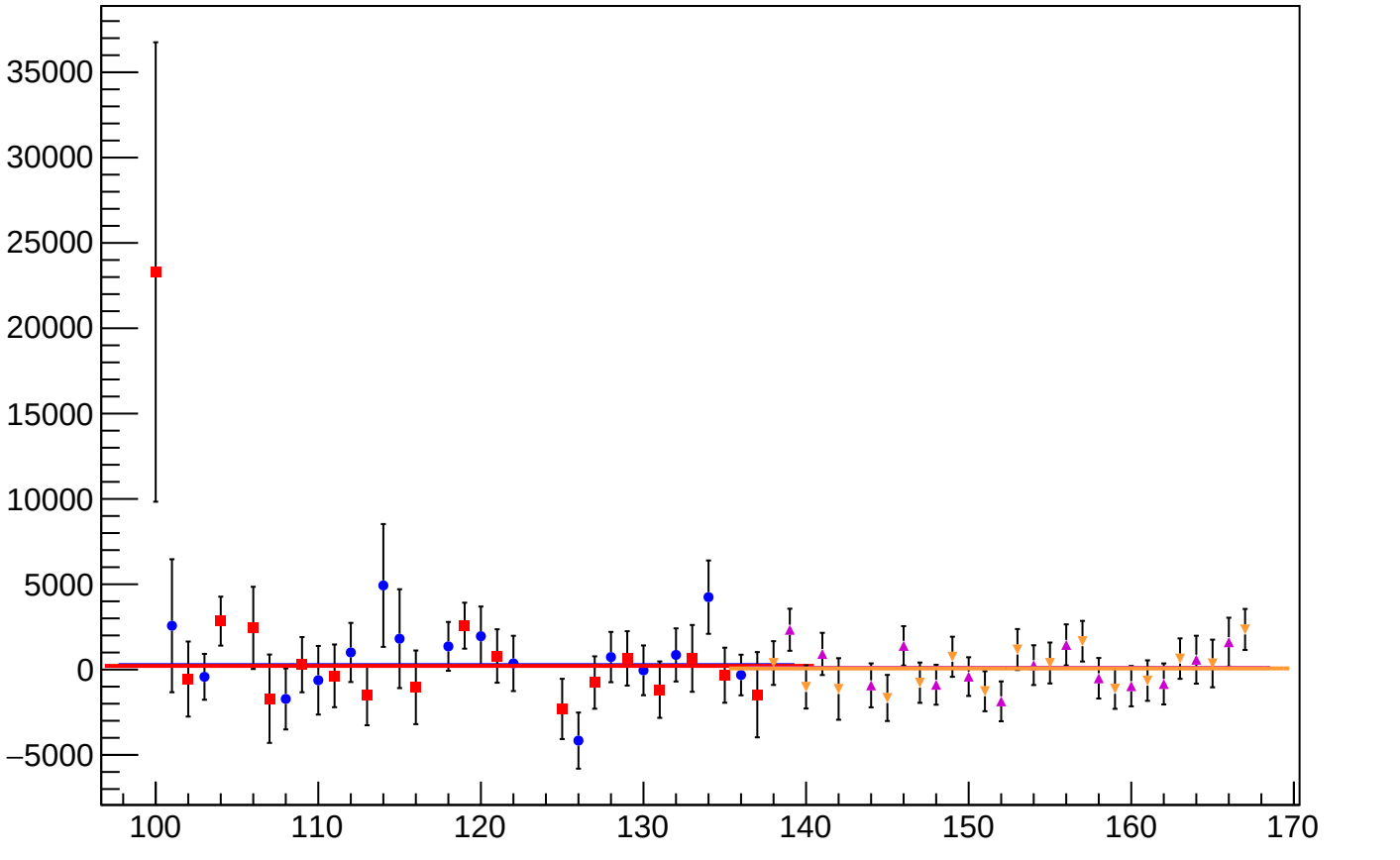
Left: 464.744+/-0.069 χ^2/NDF: 855749.8/28

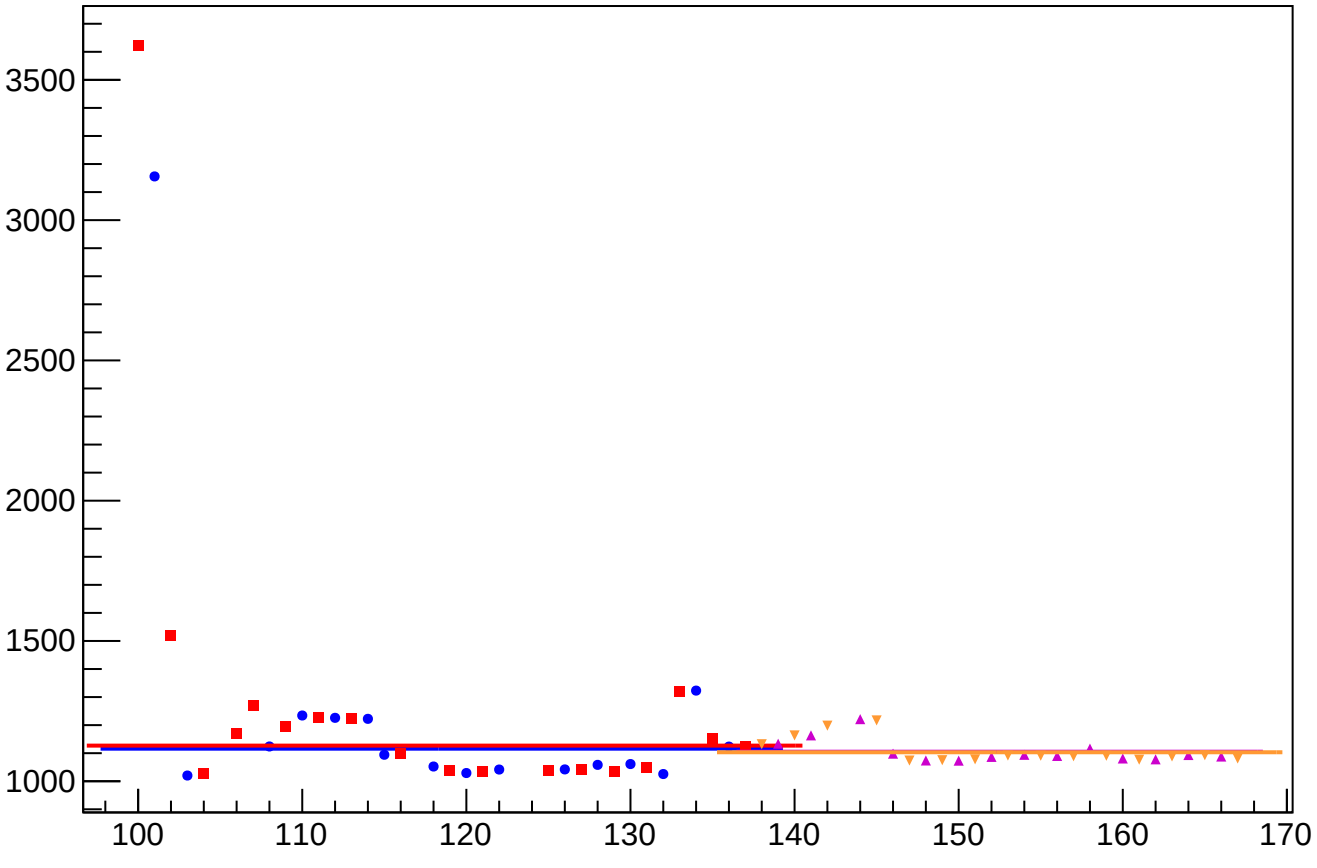
Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 440.912+/-0.075 χ^2/NDF:2373168.0/29

Out: 428.465+/-0.073 χ^2/NDF:2495770.2/32

All: 434.512+/-0.052 χ^2/NDF: 4883248.8/62


cor_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: 260.415+/-424.657 χ²/NDF: 16.9/15
Left Out: 68.863+/-321.090 χ²/NDF:13.0/14
Right Out: 214.501+/-426.342 χ²/NDF: 16.2/17
Left In: 96.992+/-325.457 χ²/NDF:13.5/13
Left: 82.738+/-228.573 χ²/NDF: 26.5/28
Right: 237.549+/-300.872 χ²/NDF: 33.2/33
In: 157.463+/-258.318 χ²/NDF:30.5/29
Out: 121.572+/-256.486 χ²/NDF:29.3/32
All: 139.390+/-182.007 χ²/NDF: 59.9/62



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1103.280+/-0.227 χ^2/NDF:31487.4/14

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1105.244+/-0.230 χ^2/NDF:28280.6/13

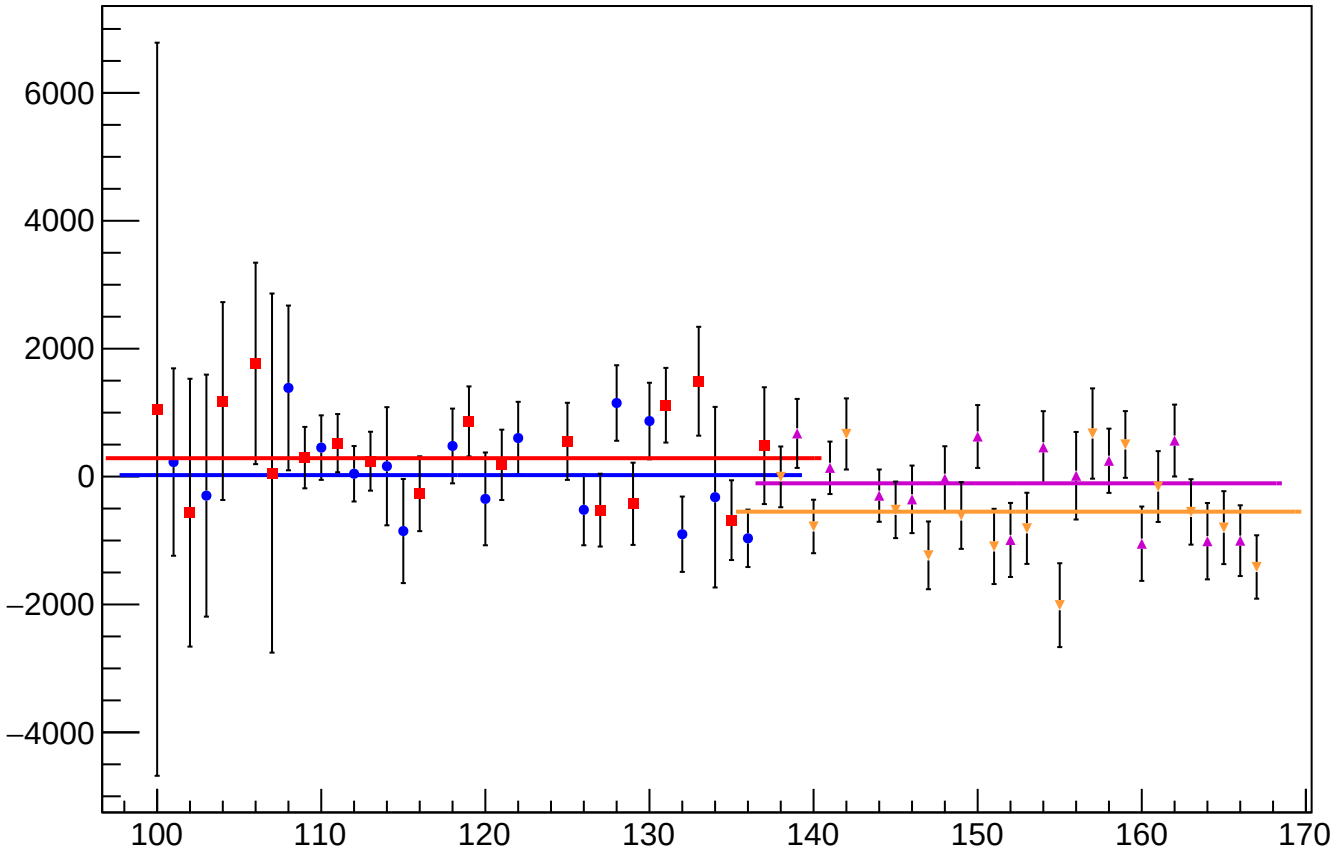
Left: 1104.249+/-0.162 χ^2/NDF: 59804.9/28

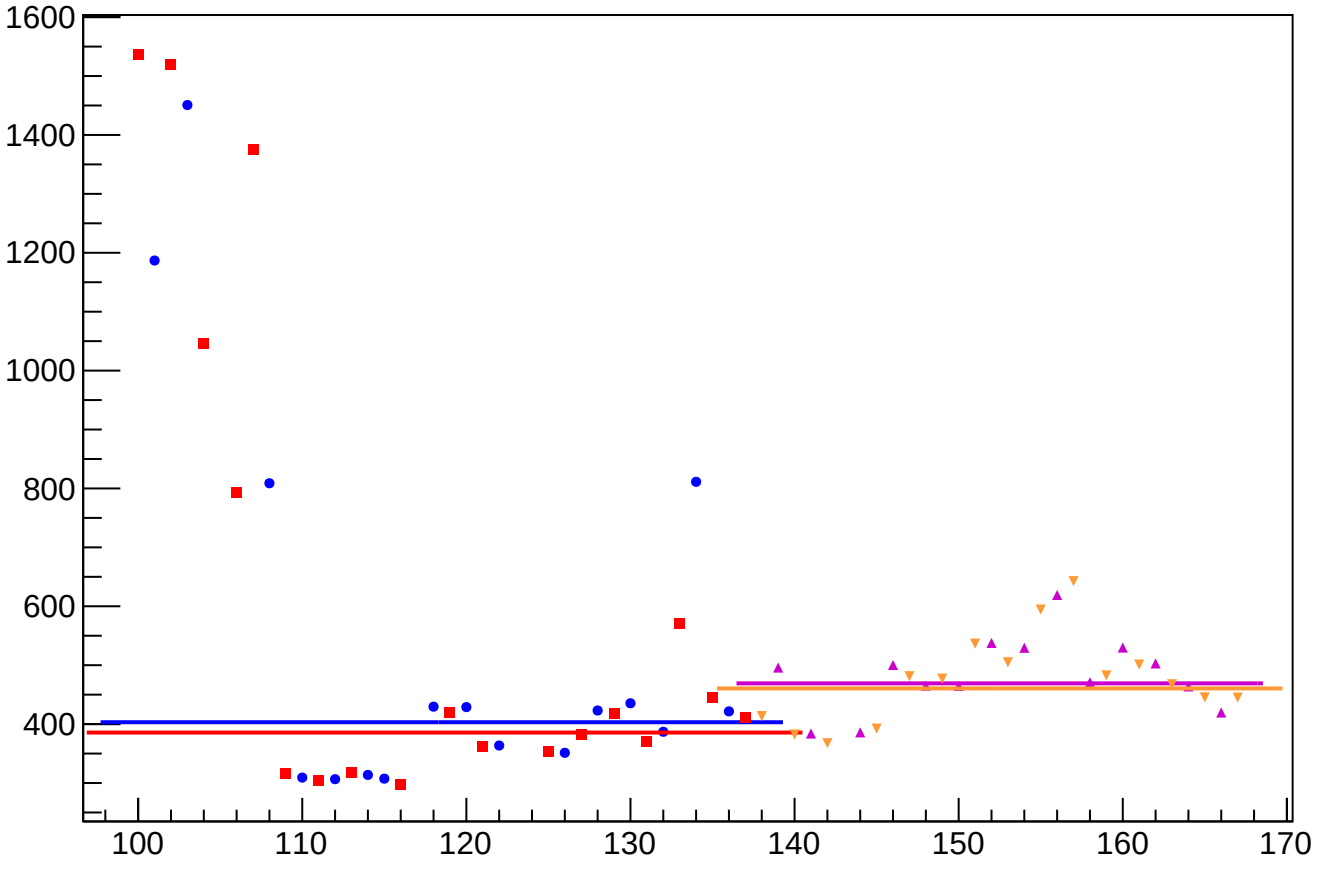
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1109.257+/-0.183 χ^2/NDF:652494.3/29

Out: 1111.851+/-0.181 χ^2/NDF:258164.5/32

All: 1110.563+/-0.129 χ^2/NDF: 910760.3/62


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -549.014+/-135.991 χ²/NDF:24.9/14
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: -105.329+/-139.541 χ²/NDF:18.0/13
Left: -332.888+/-97.391 χ²/NDF: 48.1/28
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: -50.407+/-105.514 χ²/NDF:37.3/29
Out: -188.321+/-102.569 χ²/NDF:54.9/32
All: -121.315+/-73.546 χ²/NDF: 93.0/62



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 460.545+/-0.096 χ^2/NDF:478541.8/14

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 469.160+/-0.099 χ^2/NDF:373287.1/13

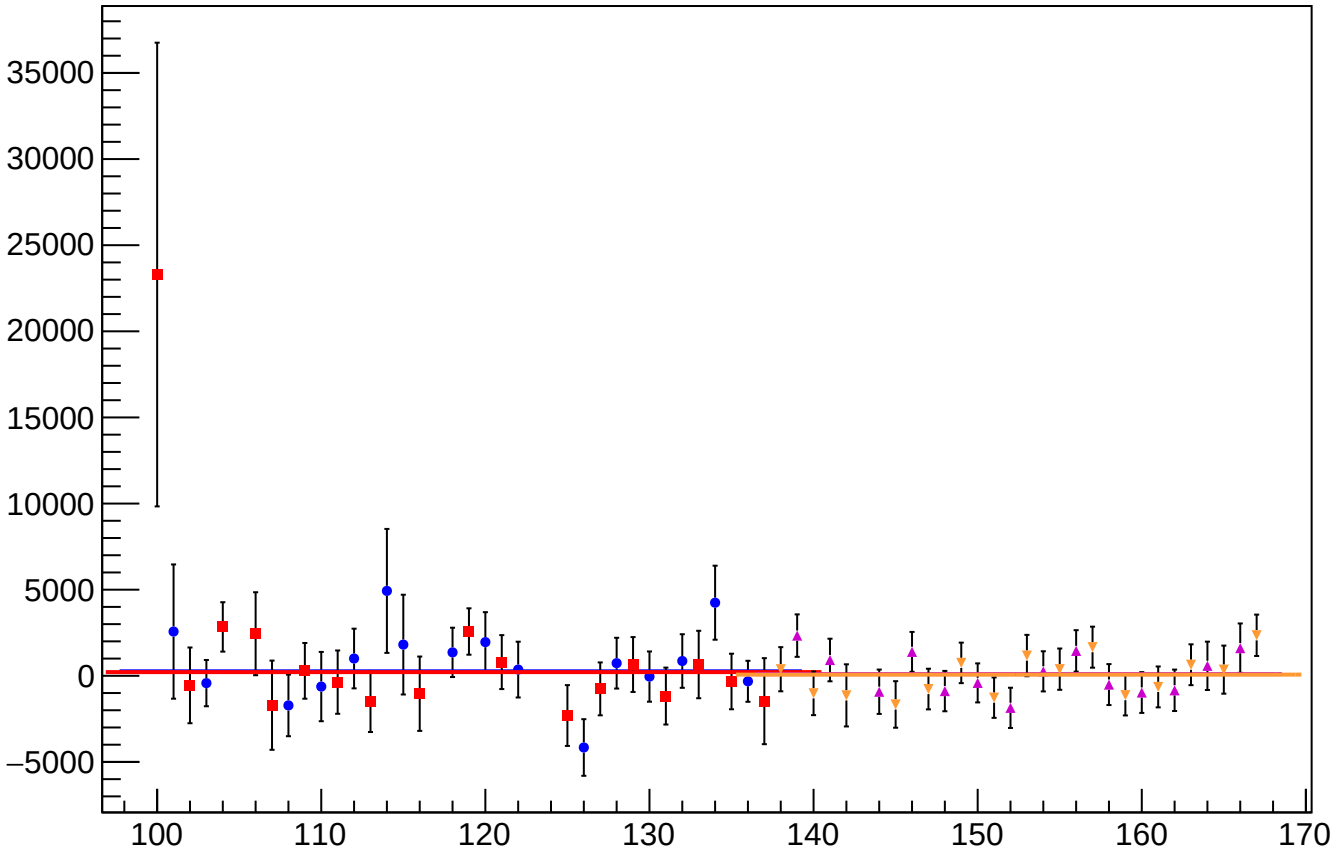
Left: 464.742+/-0.069 χ^2/NDF: 855738.7/28

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 440.906+/-0.075 χ^2/NDF:2376871.1/29

Out: 428.269+/-0.073 χ^2/NDF:2487003.9/32

All: 434.409+/-0.052 χ^2/NDF: 4878623.9/62



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 68.863+/-321.090 χ^2/NDF:13.0/14

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 96.992+/-325.457 χ^2/NDF:13.5/13

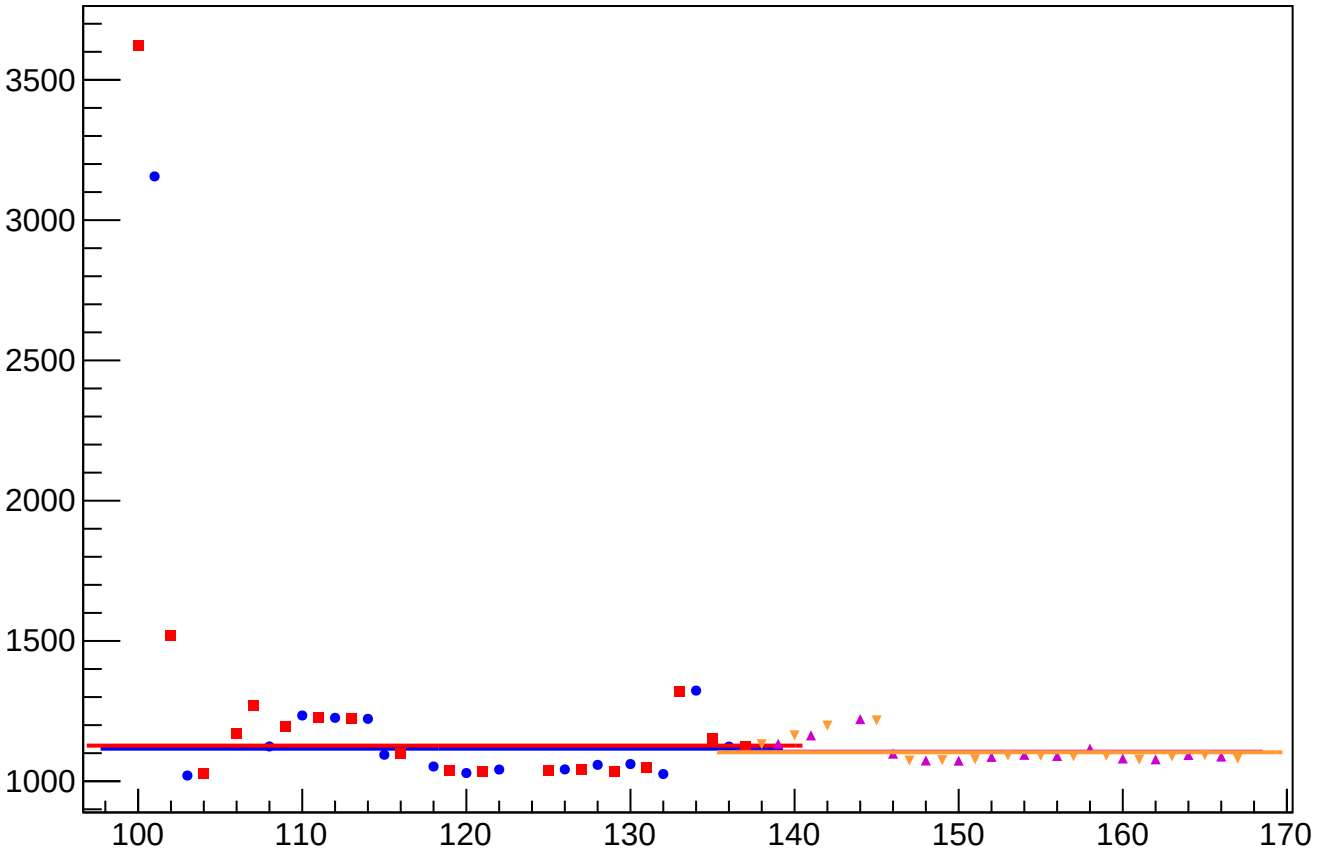
Left: 82.738+/-228.573 χ^2/NDF: 26.5/28

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 157.463+/-258.318 χ^2/NDF:30.5/29

Out: 121.572+/-256.486 χ^2/NDF:29.3/32

All: 139.390+/-182.007 χ^2/NDF: 59.9/62



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1103.280+/-0.227 χ^2/NDF:31487.4/14

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1105.244+/-0.230 χ^2/NDF:28280.6/13

Left: 1104.249+/-0.162 χ^2/NDF: 59804.9/28

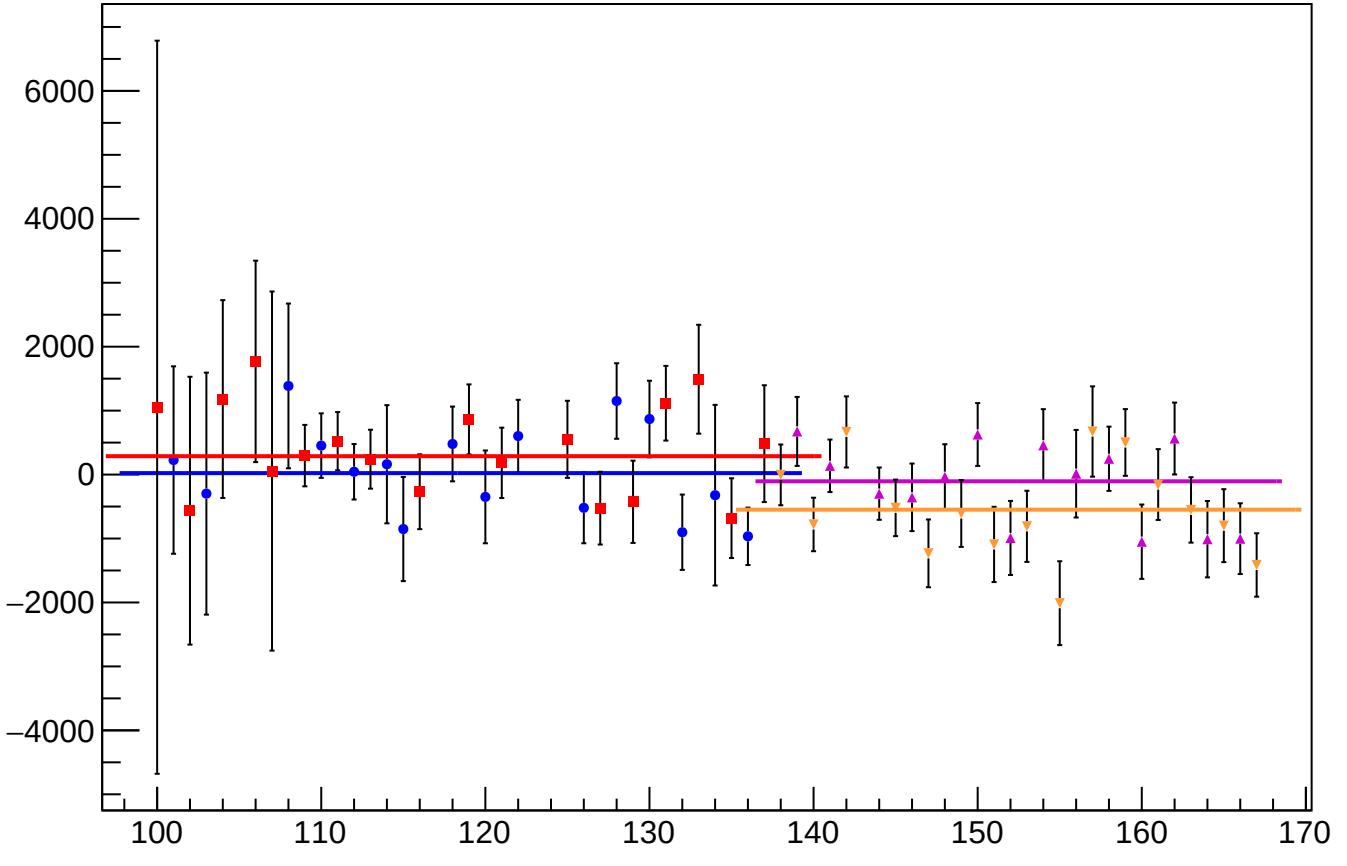
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1109.257+/-0.183 χ^2/NDF:652494.3/29

Out: 1111.851+/-0.181 χ^2/NDF:258164.5/32

All: 1110.563+/-0.129 χ^2/NDF: 910760.3/62

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -549.014+/-135.991 χ^2/NDF:24.9/14

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -105.329+/-139.541 χ^2/NDF:18.0/13

Left: -332.888+/-97.391 χ^2/NDF: 48.1/28

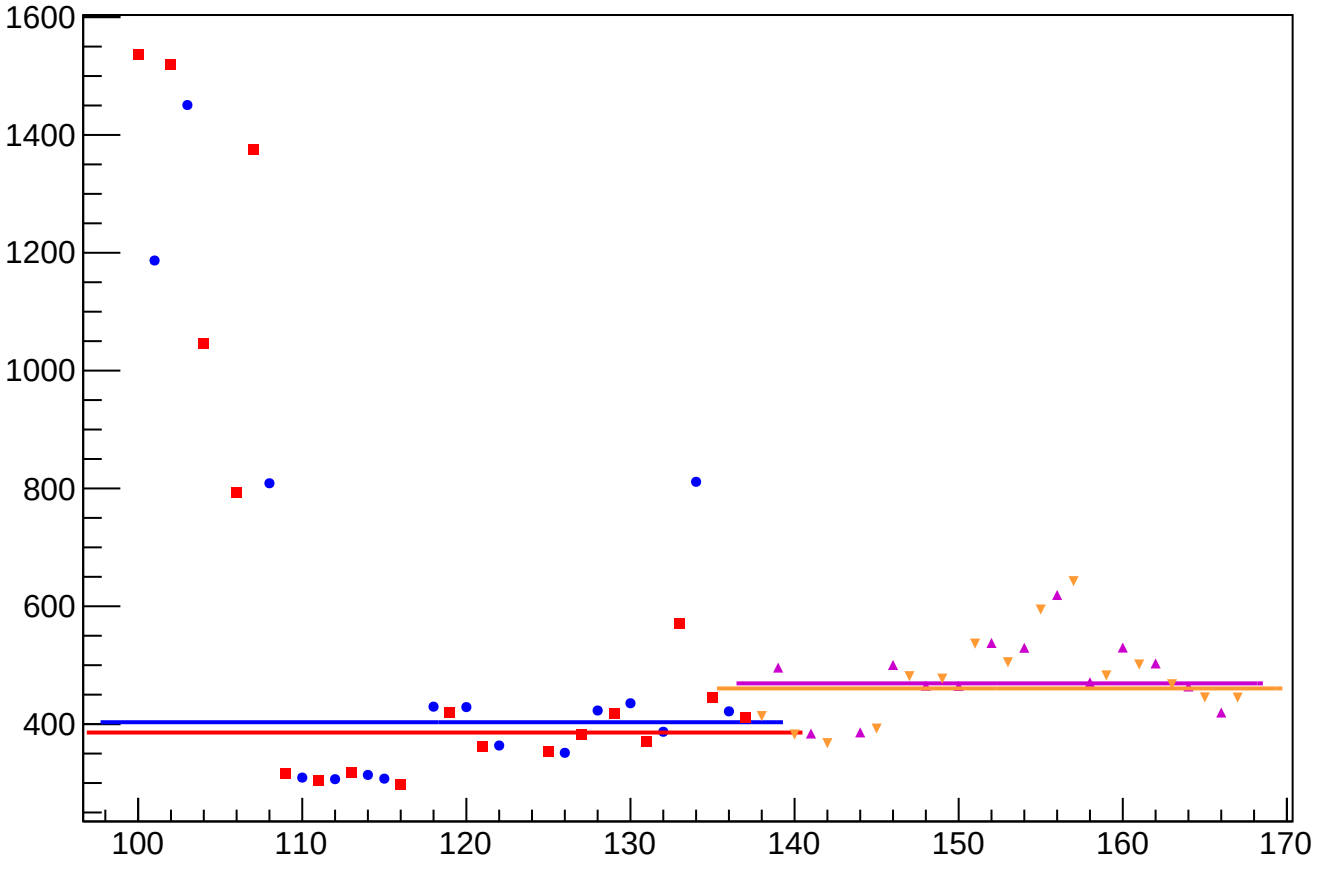
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -50.407+/-105.514 χ^2/NDF:37.3/29

Out: -188.321+/-102.569 χ^2/NDF:54.9/32

All: -121.315+/-73.546 χ^2/NDF: 93.0/62

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 460.545+/-0.096 χ^2/NDF:478541.8/14

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 469.160+/-0.099 χ^2/NDF:373287.1/13

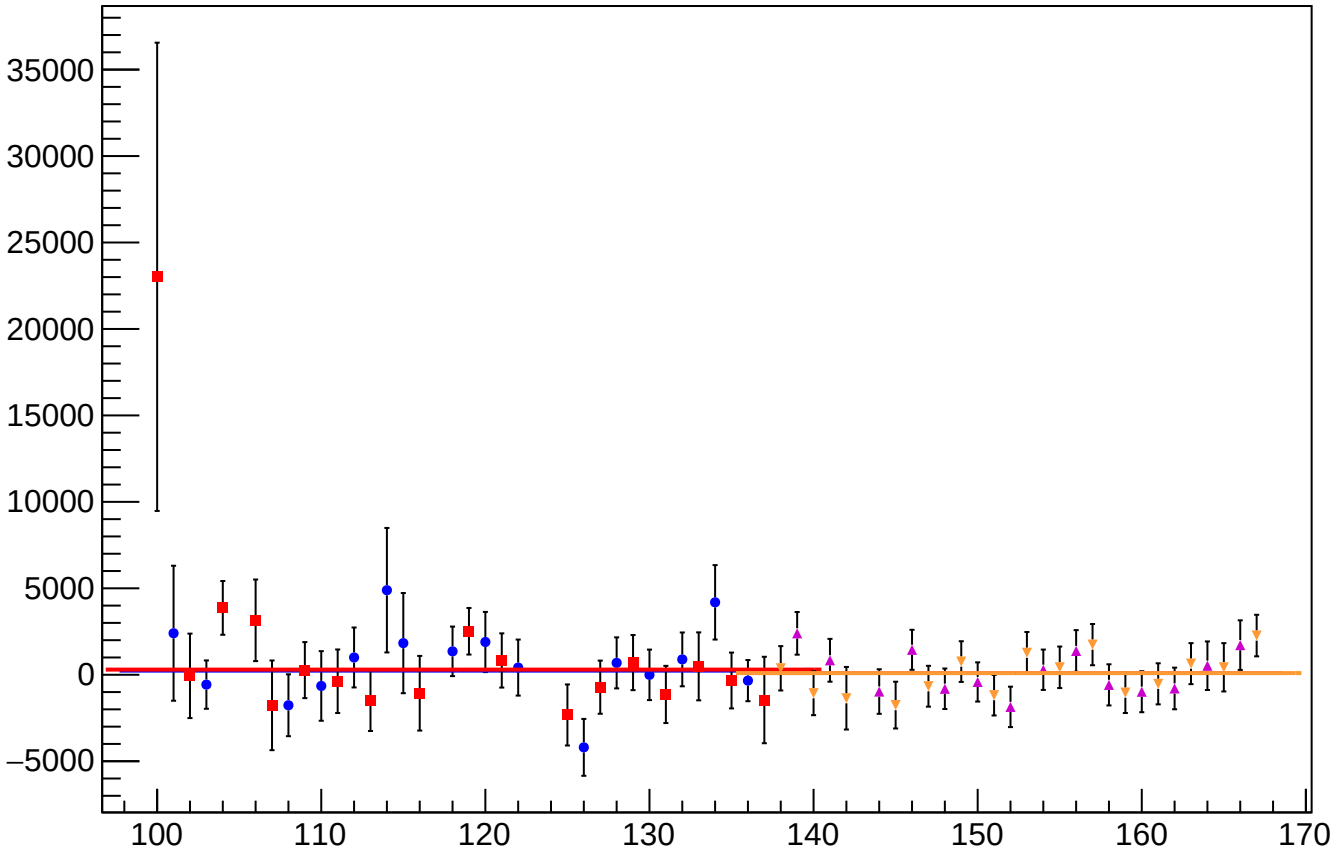
Left: 464.742+/-0.069 χ^2/NDF: 855738.7/28

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 440.906+/-0.075 χ^2/NDF:2376871.1/29

Out: 428.269+/-0.073 χ^2/NDF:2487003.9/32

All: 434.409+/-0.052 χ^2/NDF: 4878623.9/62



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 98.021+/-321.453 χ^2/NDF:13.0/14

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 100.298+/-325.826 χ^2/NDF:13.7/13

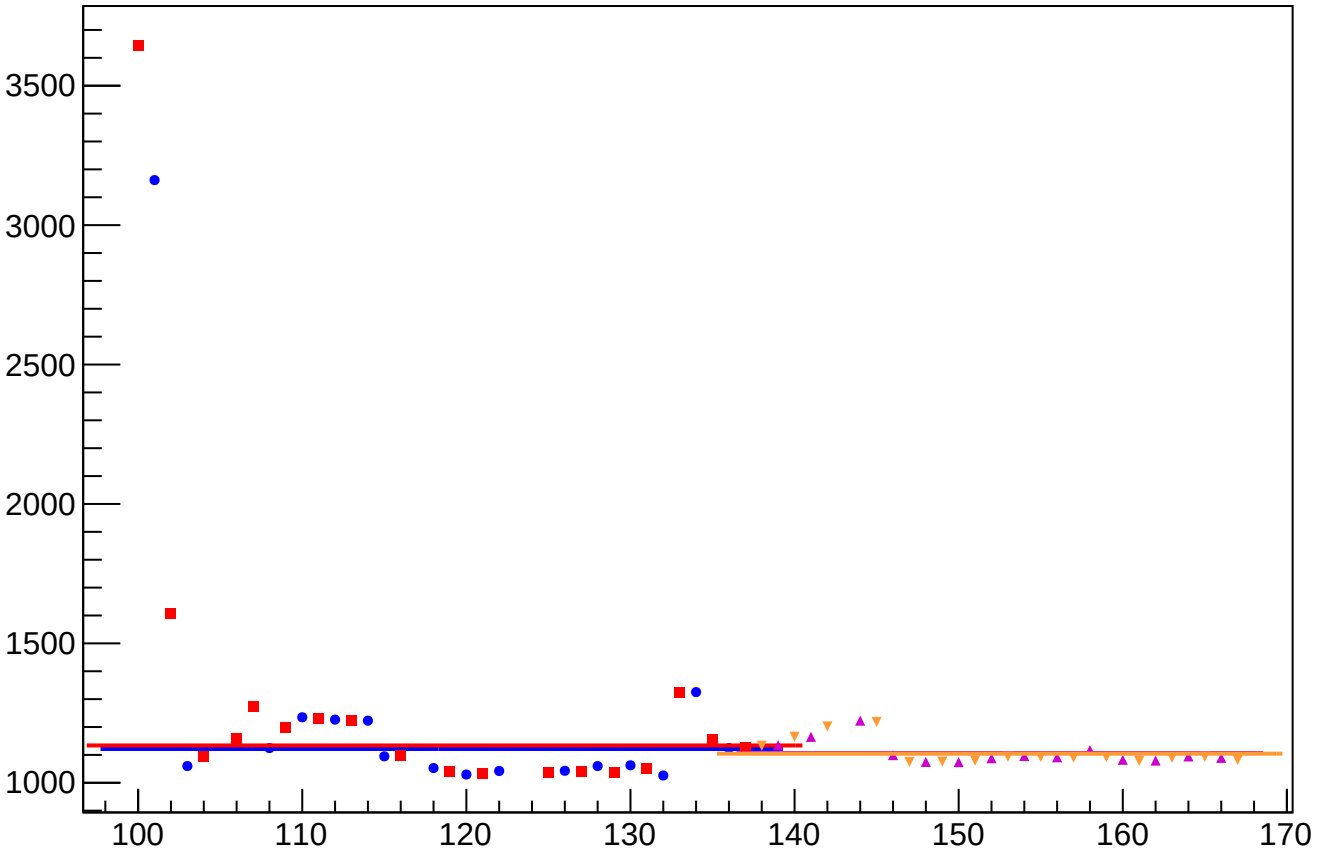
Left: 99.144+/-228.832 χ^2/NDF: 26.7/28

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 152.074+/-258.937 χ^2/NDF:30.7/29

Out: 169.879+/-257.627 χ^2/NDF:31.8/32

All: 161.022+/-182.631 χ^2/NDF: 62.5/62



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1104.510+/-0.227 χ^2/NDF:31892.5/14

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1106.493+/-0.230 χ^2/NDF:28319.8/13

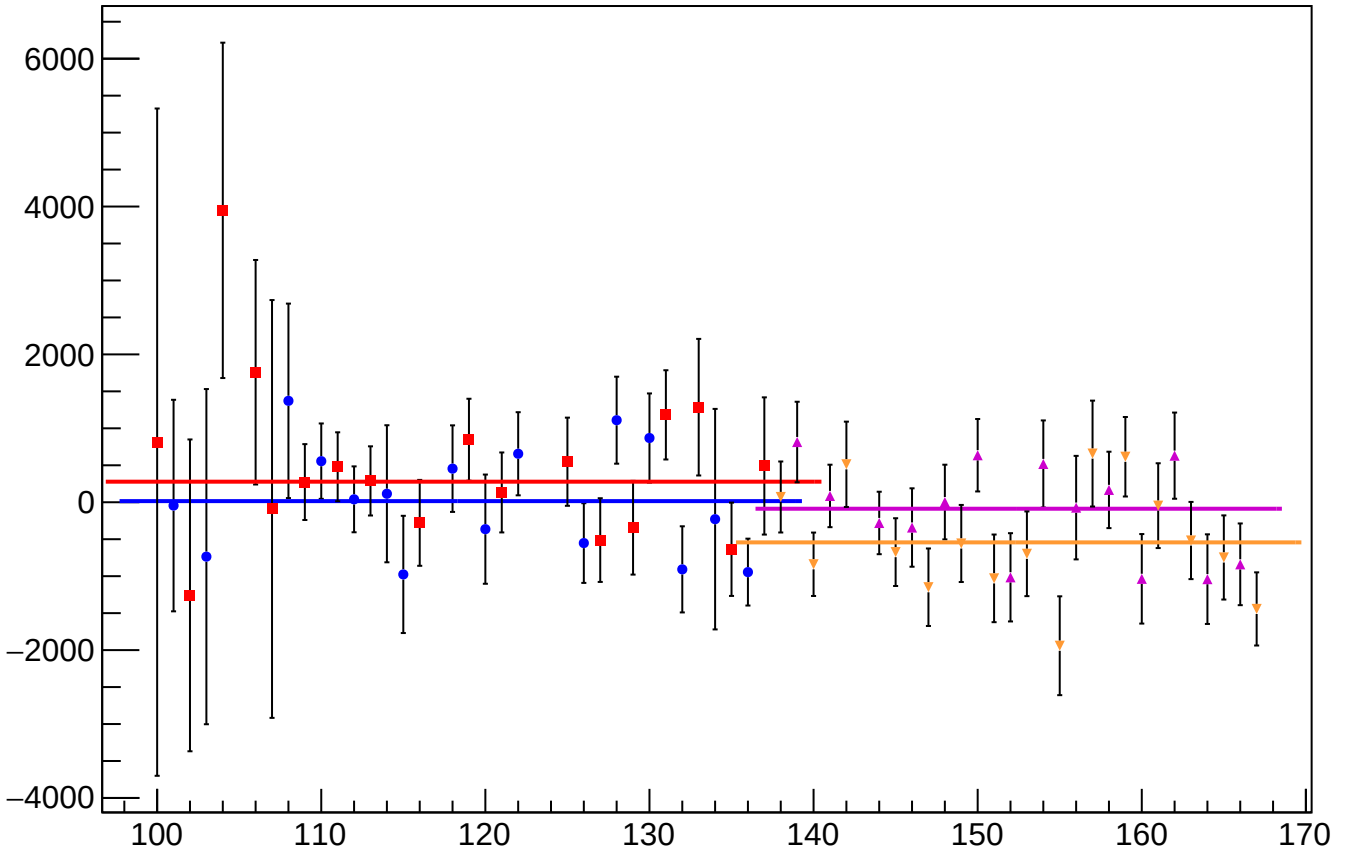
Left: 1105.488+/-0.162 χ^2/NDF: 60249.8/28

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1111.946+/-0.183 χ^2/NDF:646868.8/29

Out: 1115.033+/-0.182 χ^2/NDF:265341.2/32

All: 1113.497+/-0.129 χ^2/NDF: 912352.8/62



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -542.908+/-138.311 χ^2/NDF:23.6/14

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -87.692+/-142.337 χ^2/NDF:17.6/13

Left: -321.829+/-99.193 χ^2/NDF: 46.5/28

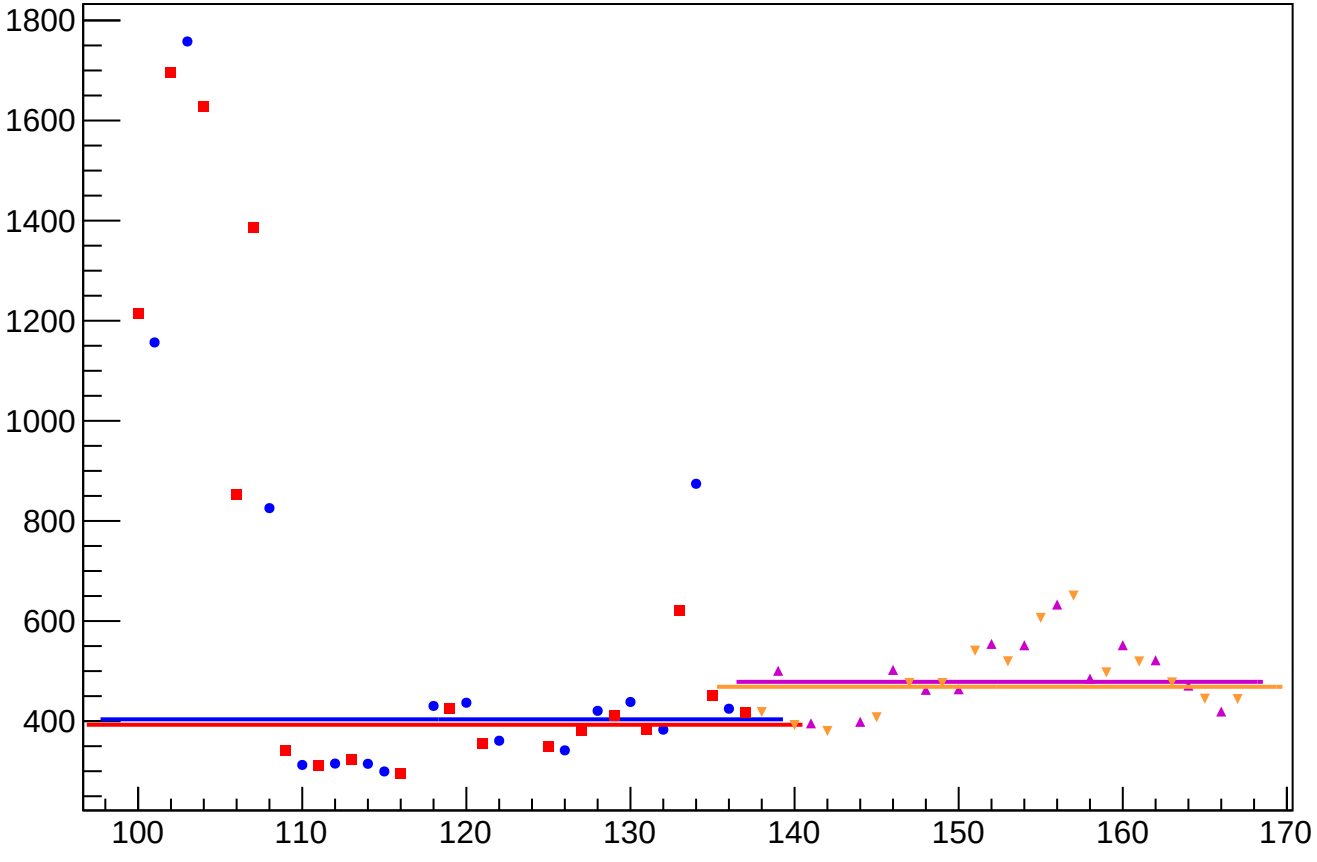
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: -42.778+/-106.883 χ^2/NDF:37.4/29

Out: -188.758+/-104.305 χ^2/NDF:53.9/32

All: -117.549+/-74.650 χ^2/NDF: 92.3/62

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 468.662+/-0.098 χ^2/NDF:458608.2/14

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 478.549+/-0.101 χ^2/NDF:383712.6/13

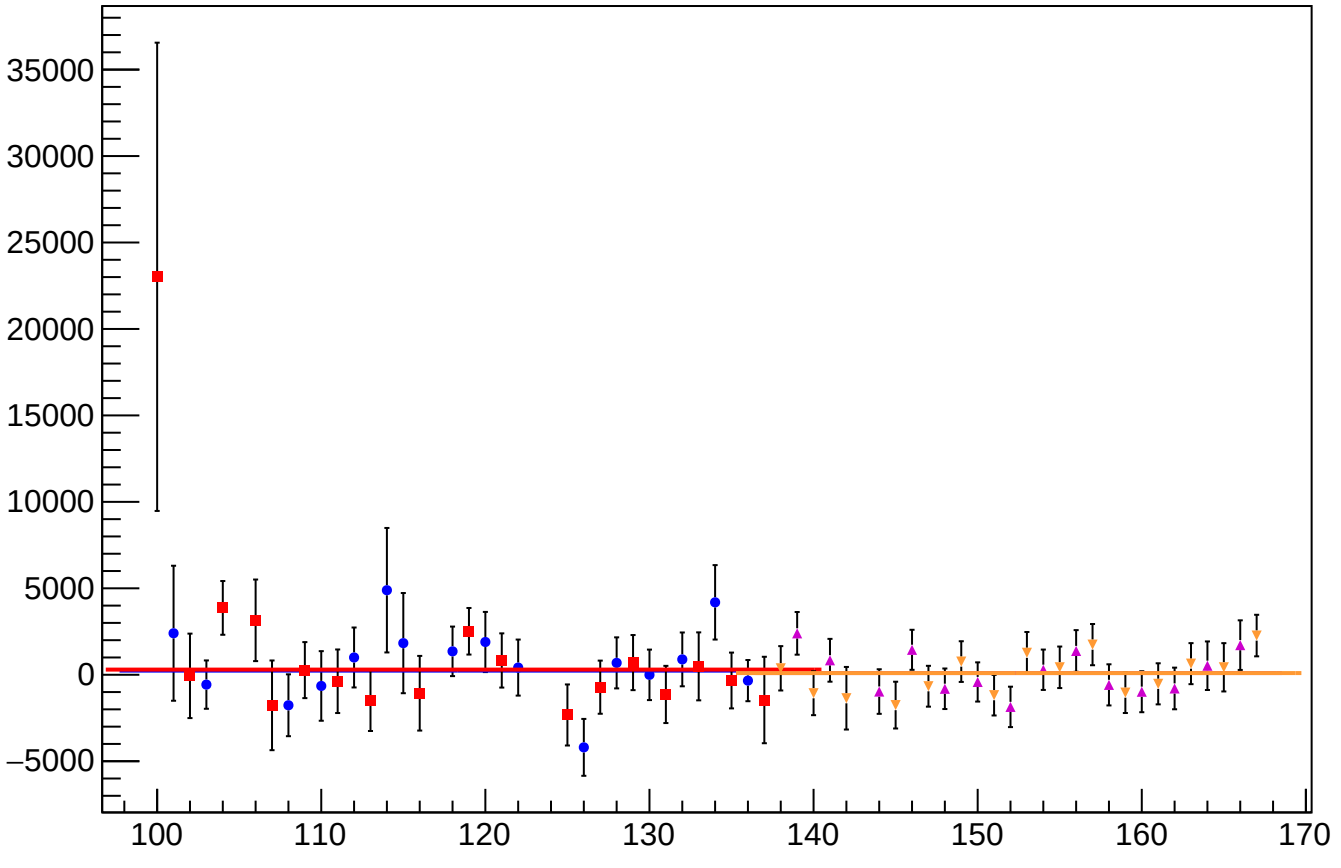
Left: 473.464+/-0.070 χ^2/NDF: 847283.8/28

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 445.886+/-0.076 χ^2/NDF:2554795.1/29

Out: 435.953+/-0.074 χ^2/NDF:2921416.7/32

All: 440.798+/-0.053 χ^2/NDF: 5485058.7/62



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 98.018+/-321.453 χ^2/NDF:13.0/14

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 100.299+/-325.826 χ^2/NDF:13.7/13

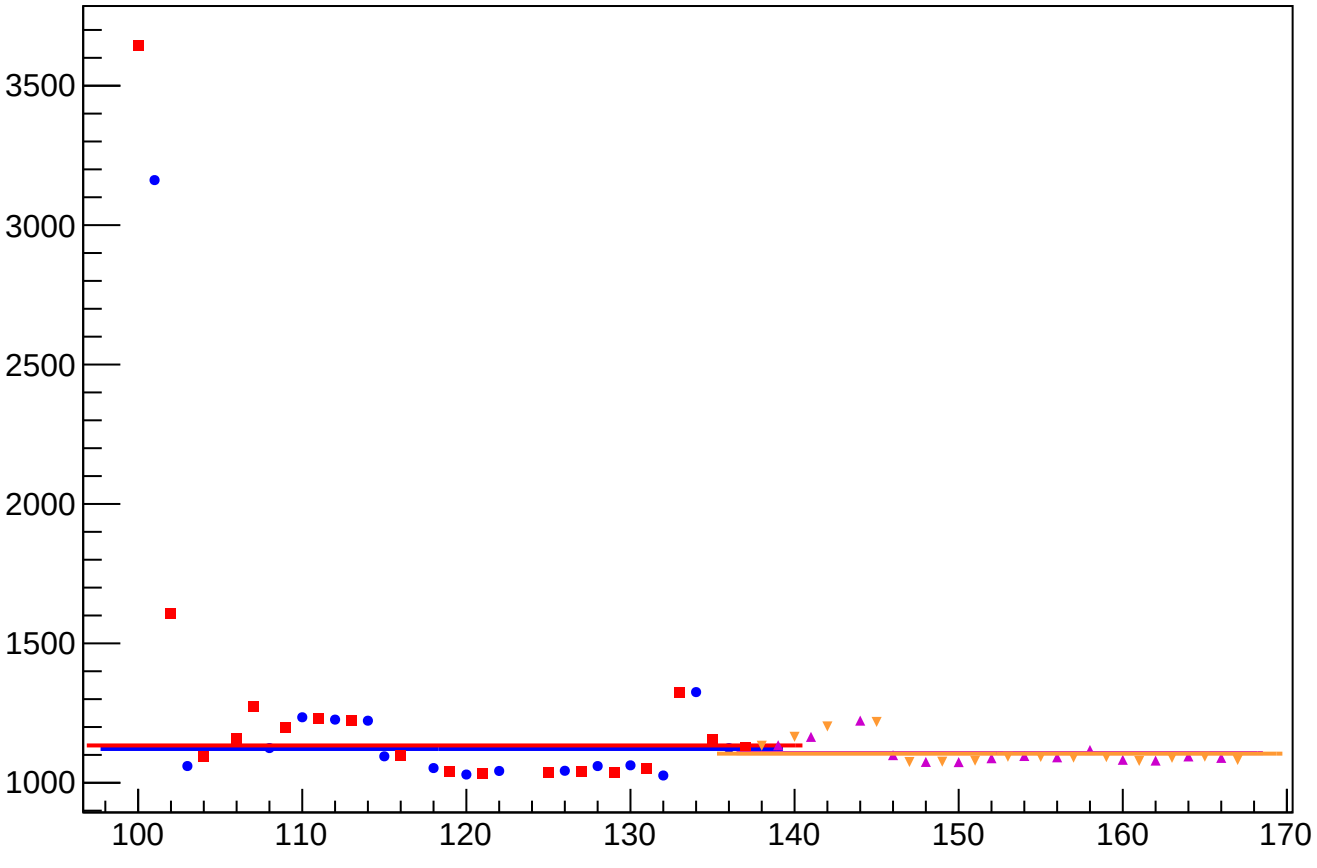
Left: 99.143+/-228.832 χ^2/NDF: 26.7/28

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 152.075+/-258.937 χ^2/NDF:30.7/29

Out: 169.878+/-257.627 χ^2/NDF:31.8/32

All: 161.022+/-182.631 χ^2/NDF: 62.5/62



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1104.511+/-0.227 χ^2/NDF:31892.6/14

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1106.493+/-0.230 χ^2/NDF:28319.8/13

Left: 1105.488+/-0.162 χ^2/NDF: 60249.9/28

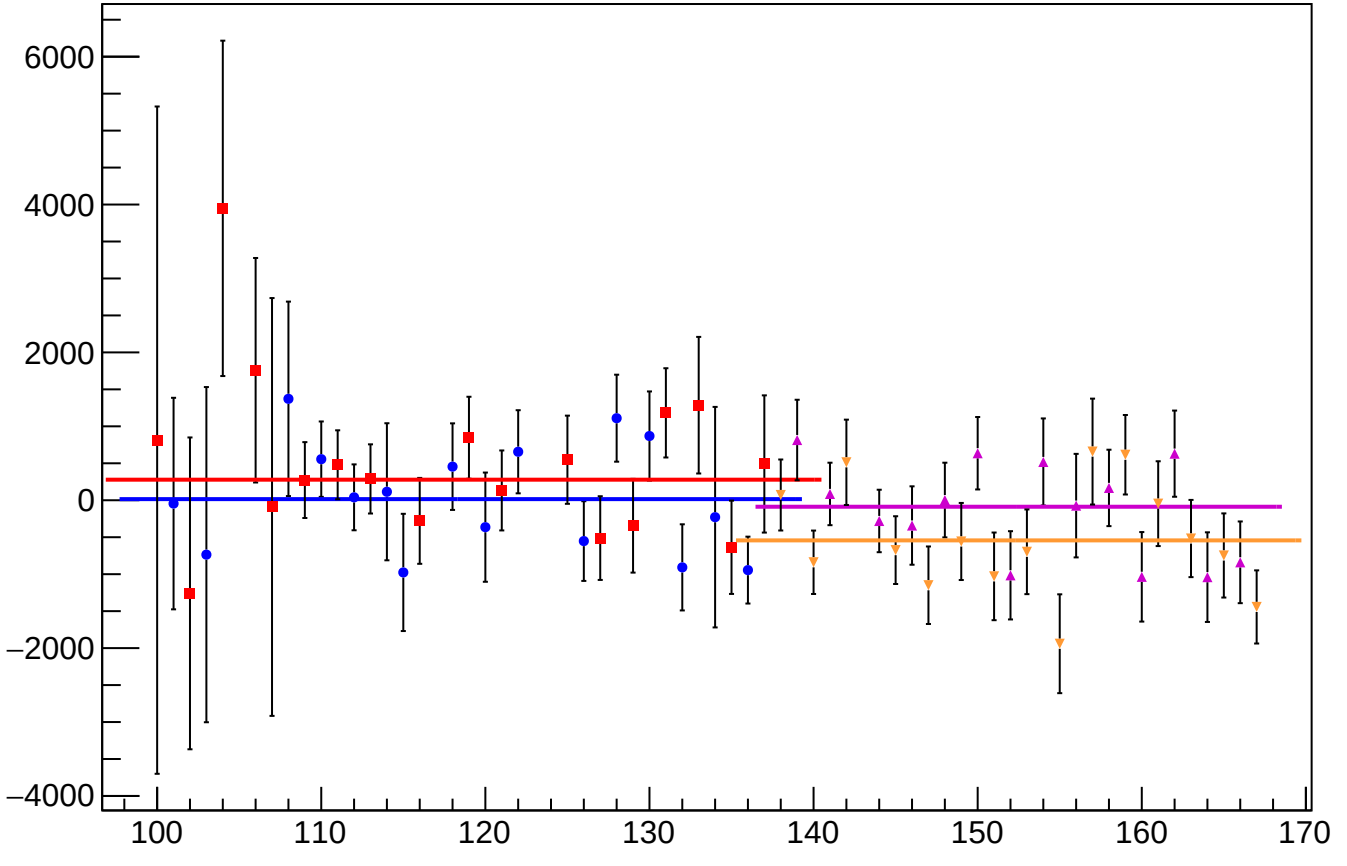
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1111.946+/-0.183 χ^2/NDF:646868.9/29

Out: 1115.033+/-0.182 χ^2/NDF:265341.3/32

All: 1113.497+/-0.129 χ^2/NDF: 912353.0/62

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -542.911+/-138.311 χ^2/NDF:23.6/14

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -87.692+/-142.337 χ^2/NDF:17.6/13

Left: -321.831+/-99.194 χ^2/NDF: 46.5/28

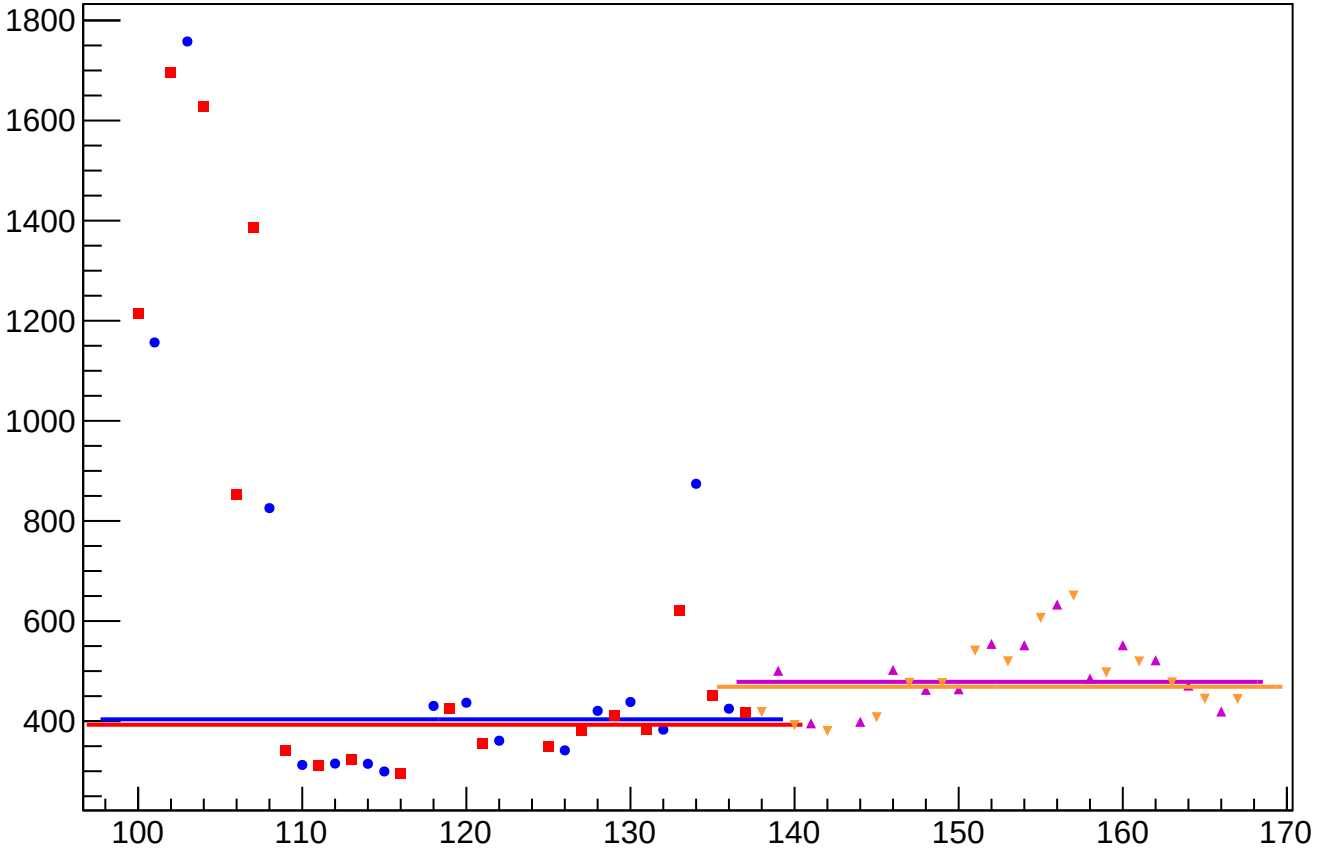
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: -42.779+/-106.883 χ^2/NDF:37.4/29

Out: -188.757+/-104.305 χ^2/NDF:53.9/32

All: -117.550+/-74.649 χ^2/NDF: 92.3/62

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 468.662+/-0.098 χ^2/NDF:458631.4/14

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 478.550+/-0.101 χ^2/NDF:383723.8/13

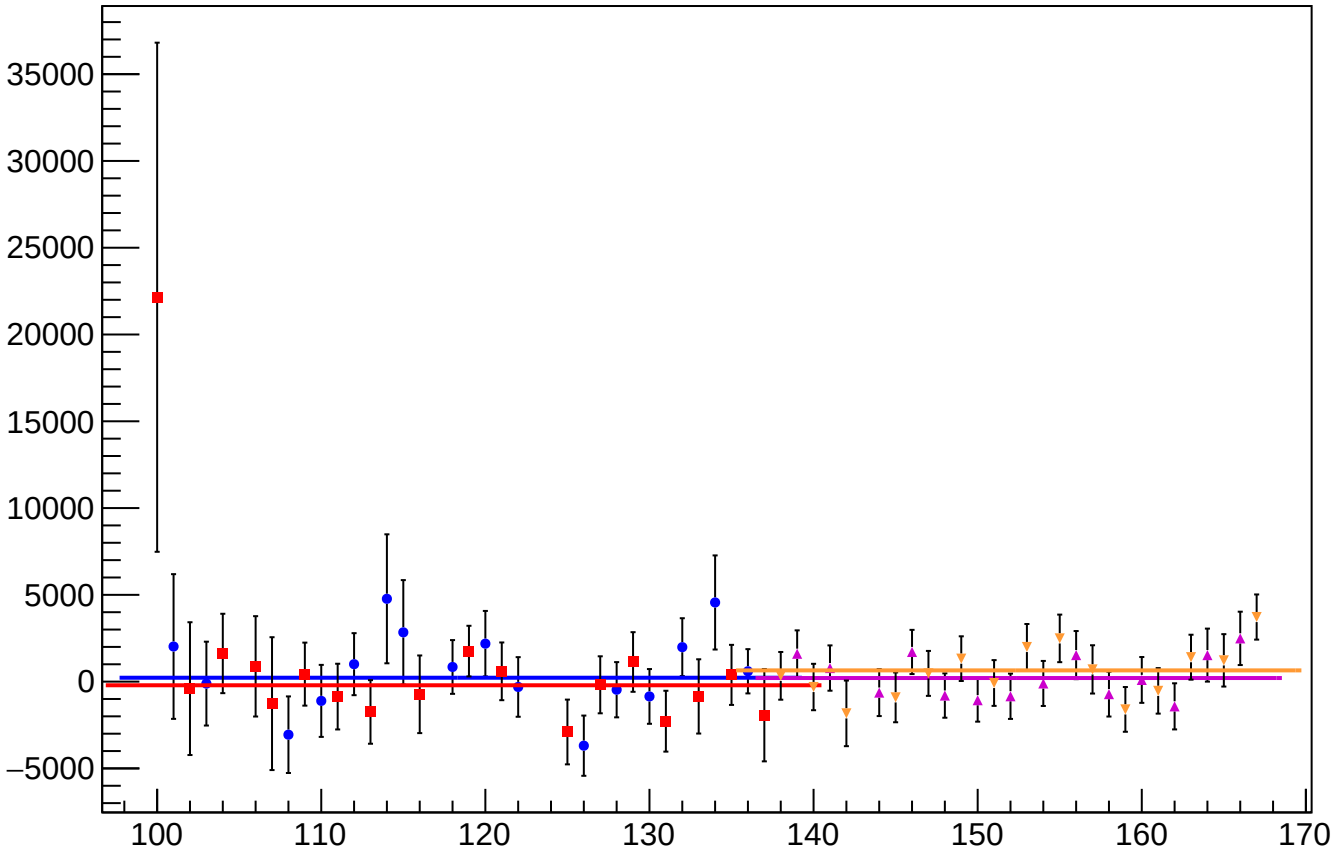
Left: 473.464+/-0.070 χ^2/NDF: 847319.2/28

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 445.885+/-0.076 χ^2/NDF:2554830.4/29

Out: 435.951+/-0.074 χ^2/NDF:2921470.2/32

All: 440.797+/-0.053 χ^2/NDF: 5485148.6/62



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 647.881+/-352.300 χ^2/NDF:16.8/14

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 207.311+/-356.677 χ^2/NDF:11.3/13

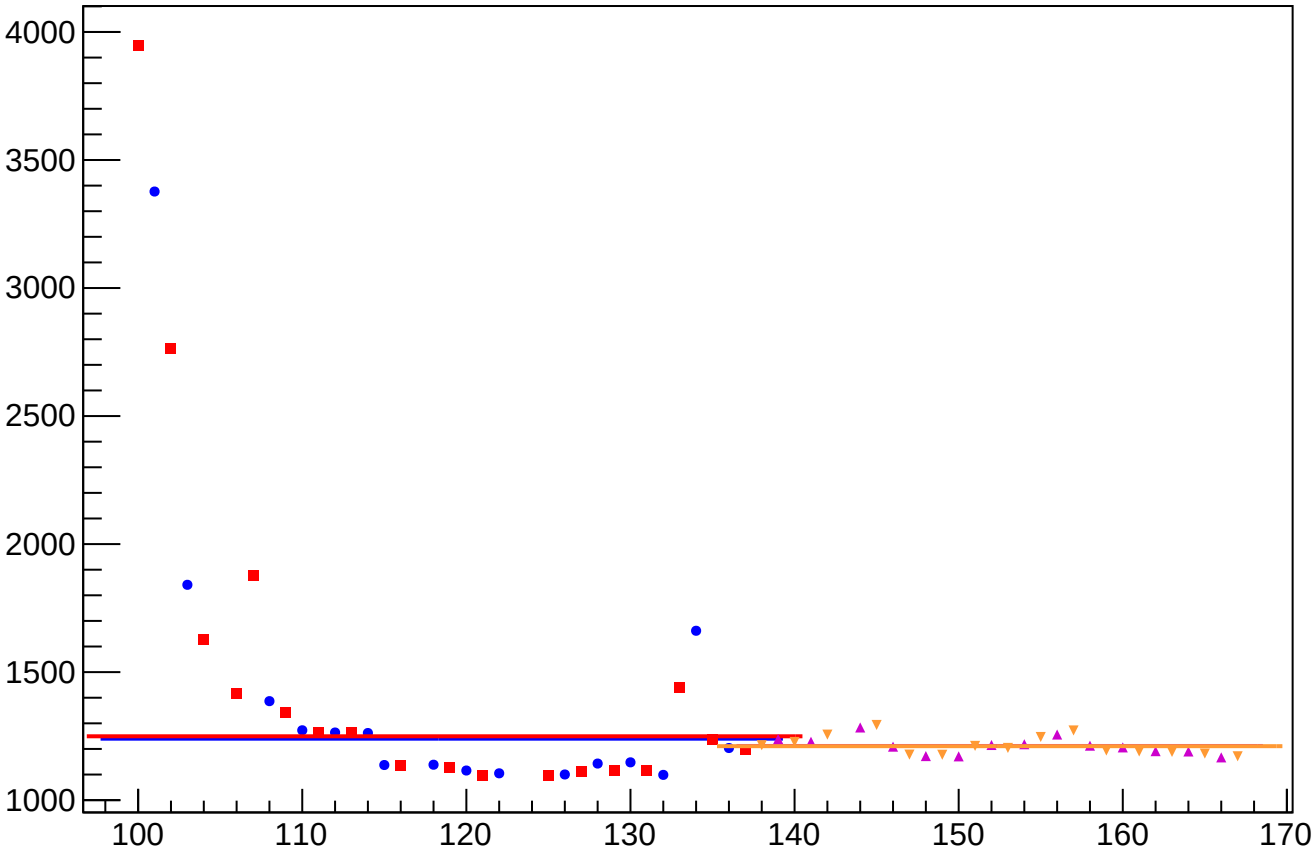
Left: 430.316+/-250.647 χ^2/NDF: 28.9/28

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 213.630+/-285.123 χ^2/NDF:27.5/29

Out: 345.847+/-283.558 χ^2/NDF:29.9/32

All: 280.102+/-201.057 χ^2/NDF: 57.4/62



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1210.798+/-0.249 χ^2/NDF:20108.0/14

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1211.548+/-0.252 χ^2/NDF:15634.1/13

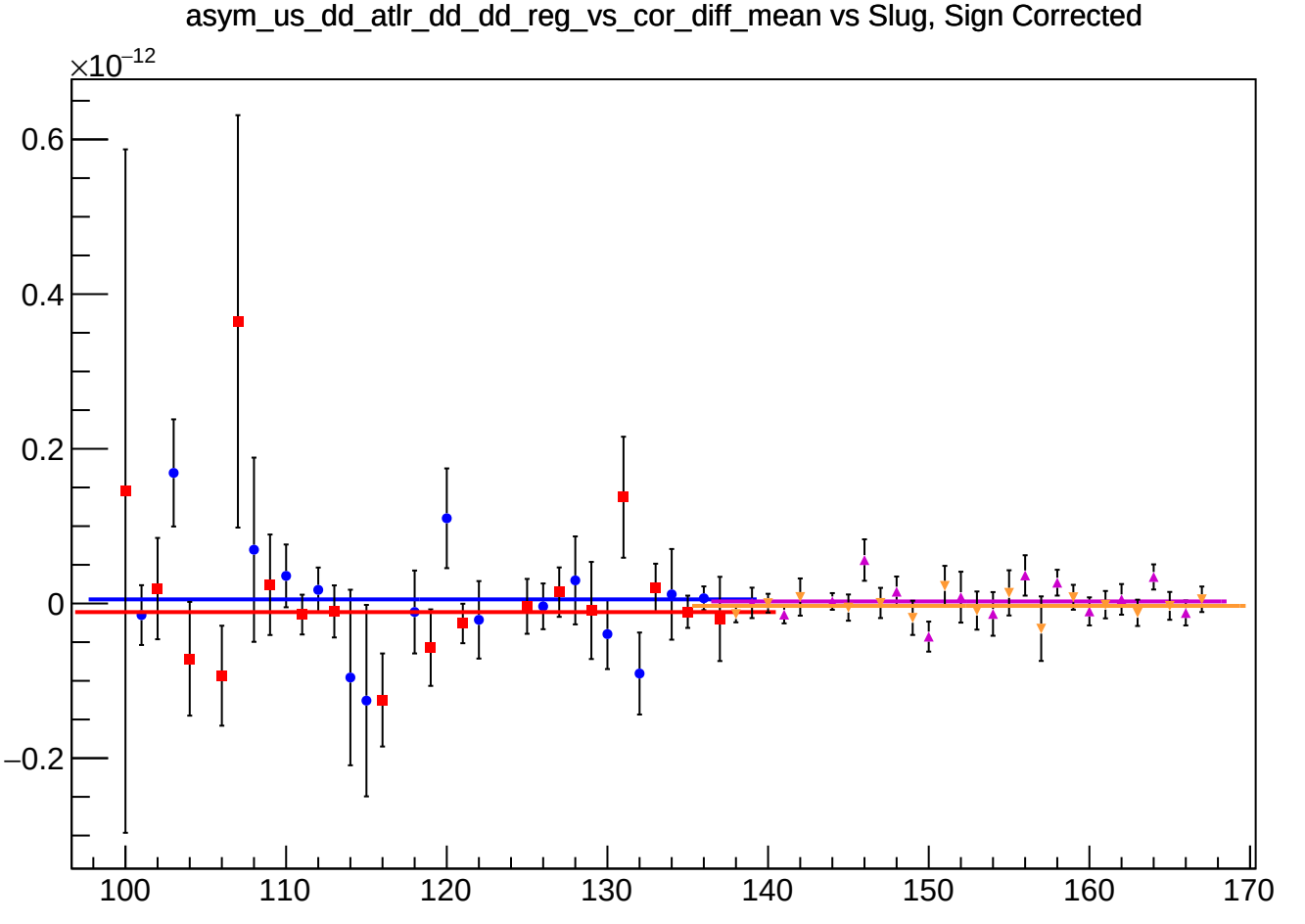
Left: 1211.168+/-0.177 χ^2/NDF: 35746.5/28

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1221.869+/-0.202 χ^2/NDF:802953.2/29

Out: 1224.396+/-0.201 χ^2/NDF:634668.1/32

All: 1223.139+/-0.142 χ^2/NDF: 1437700.3/62



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:21.5/13

Left: -0.000+/-0.000 χ^2/NDF: 27.0/28

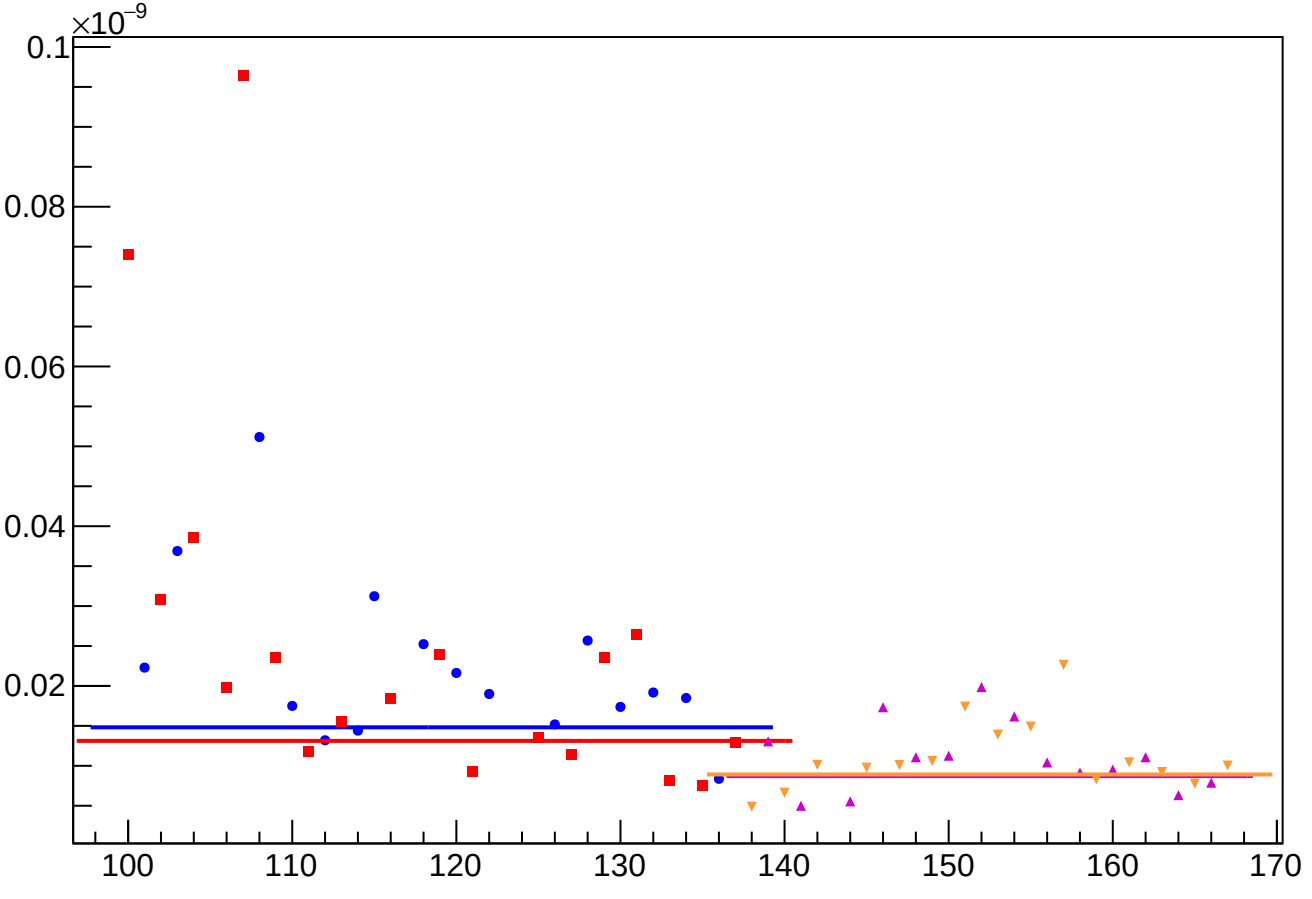
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:37.9/29

Out: -0.000+/-0.000 χ^2/NDF:20.4/32

All: -0.000+/-0.000 χ^2/NDF: 60.0/62

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1019750.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1216860.8/13

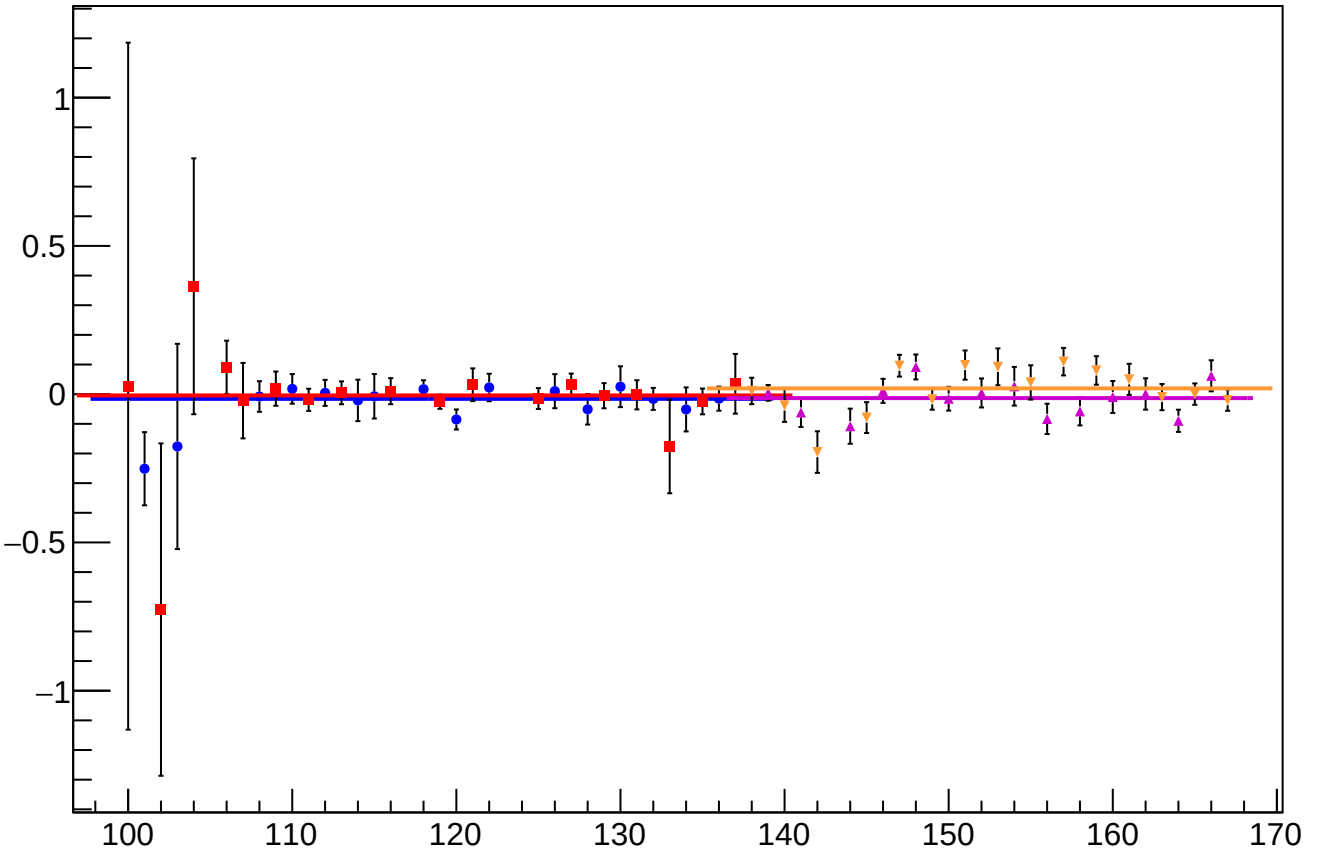
Left: 0.000+/-0.000 χ^2/NDF: 2238570.2/28

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2947434.1/29

Out: 0.000+/-0.000 χ^2/NDF:2526302.6/32

All: 0.000+/-0.000 χ^2/NDF: 5474823.0/62



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.013+/-0.012 χ^2/NDF:20.2/13

Left: 0.003+/-0.008 χ^2/NDF: 55.2/28

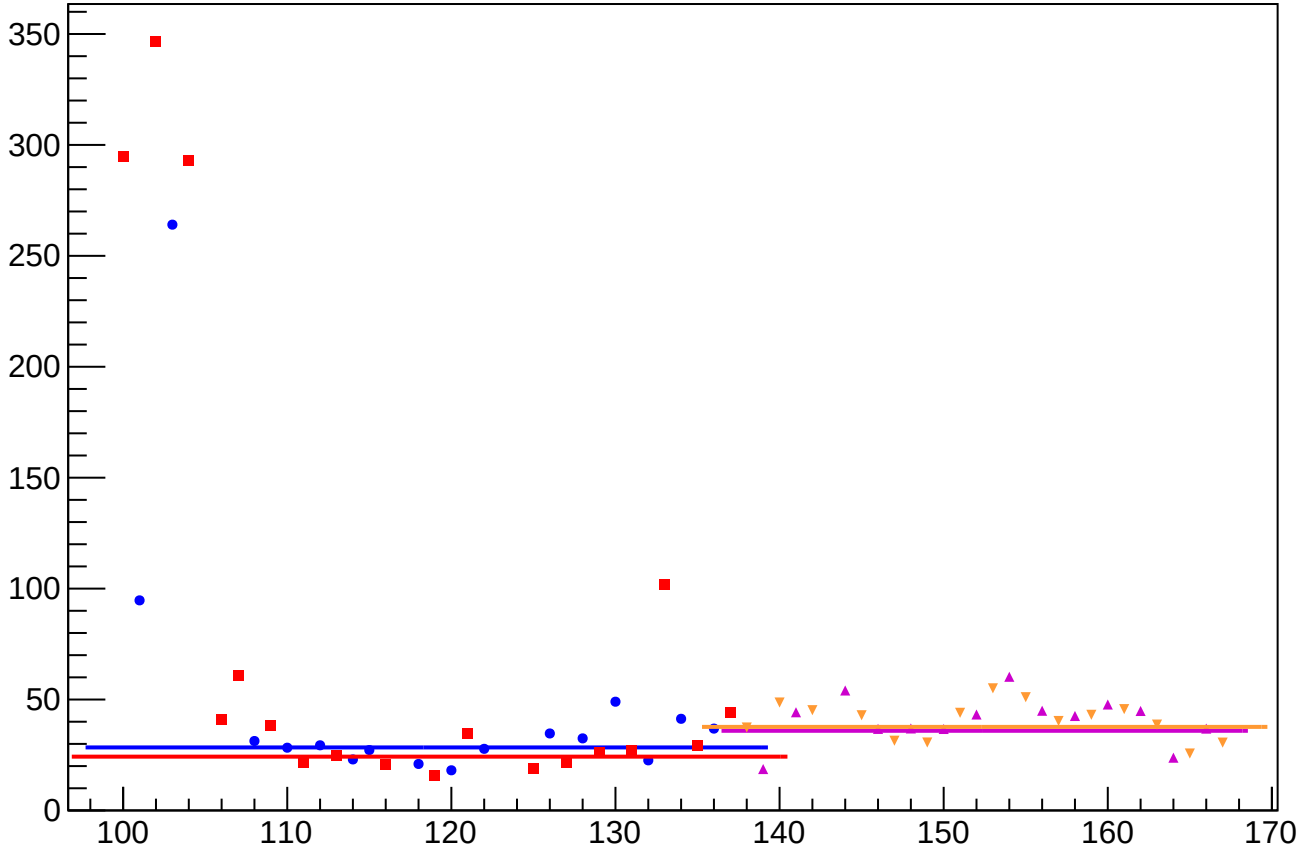
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.014+/-0.009 χ^2/NDF:32.1/29

Out: 0.007+/-0.008 χ^2/NDF:41.2/32

All: -0.003+/-0.006 χ^2/NDF: 76.6/62

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.669+/-0.008 χ^2/NDF:935829.4/14

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.909+/-0.008 χ^2/NDF:1886576.7/13

Left: 36.793+/-0.006 χ^2/NDF: 2844742.1/28

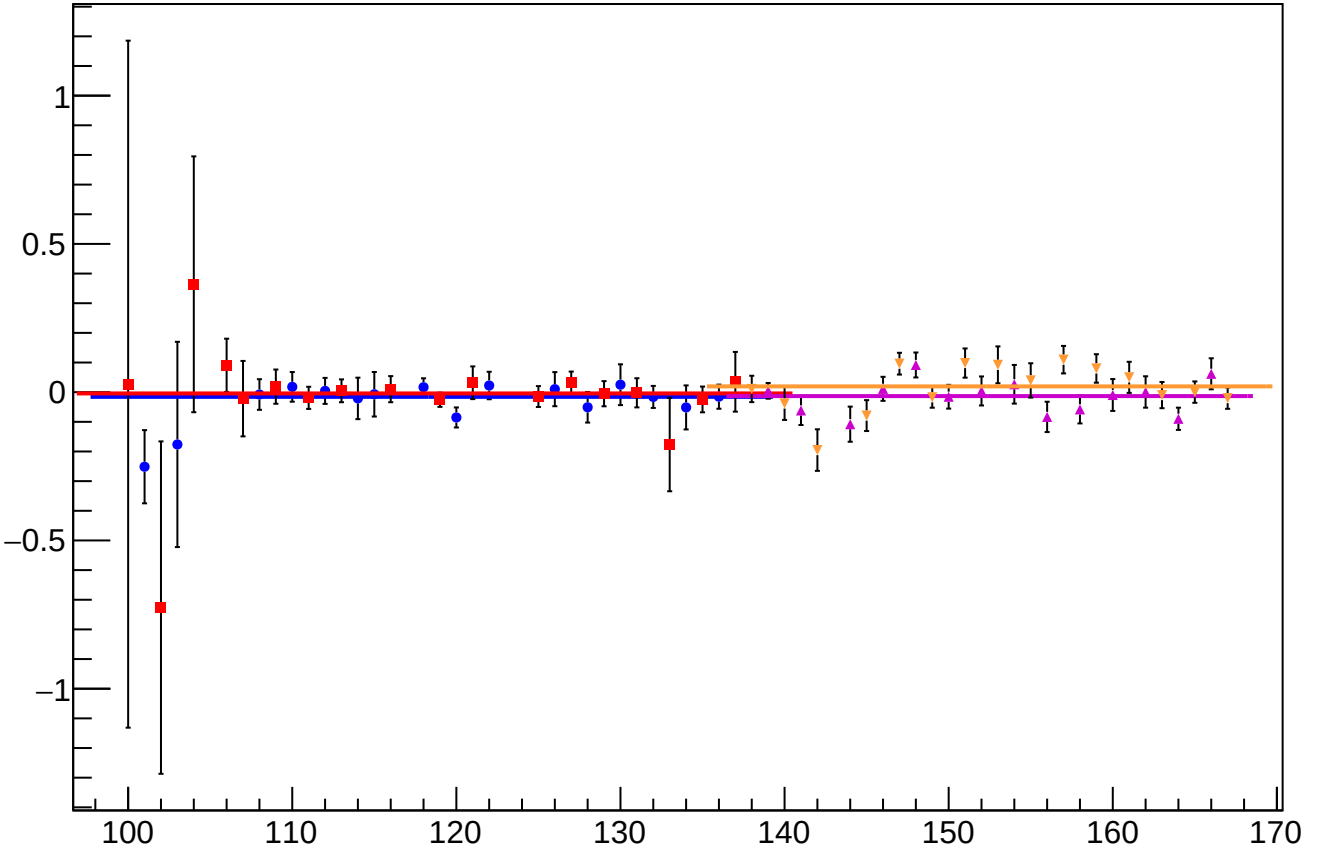
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.318+/-0.006 χ^2/NDF:4519063.1/29

Out: 30.781+/-0.006 χ^2/NDF:5187468.2/32

All: 31.520+/-0.004 χ^2/NDF: 9740352.5/62

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.013+/-0.012 χ^2/NDF:20.2/13

Left: 0.003+/-0.008 χ^2/NDF: 55.2/28

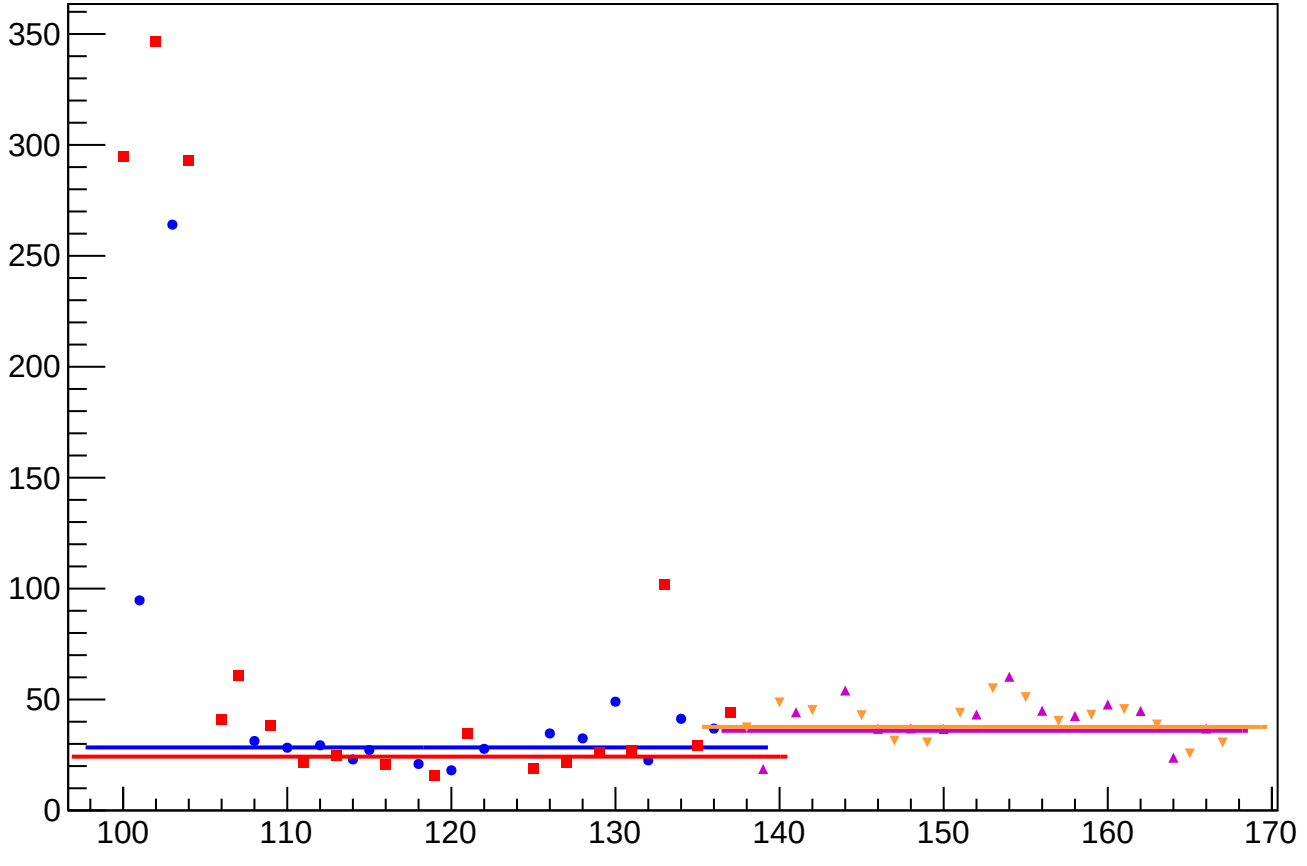
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.014+/-0.009 χ^2/NDF:32.1/29

Out: 0.007+/-0.008 χ^2/NDF:41.2/32

All: -0.003+/-0.006 χ^2/NDF: 76.6/62

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.669+/-0.008 χ^2/NDF:935829.4/14

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.909+/-0.008 χ^2/NDF:1886576.7/13

Left: 36.793+/-0.006 χ^2/NDF: 2844742.1/28

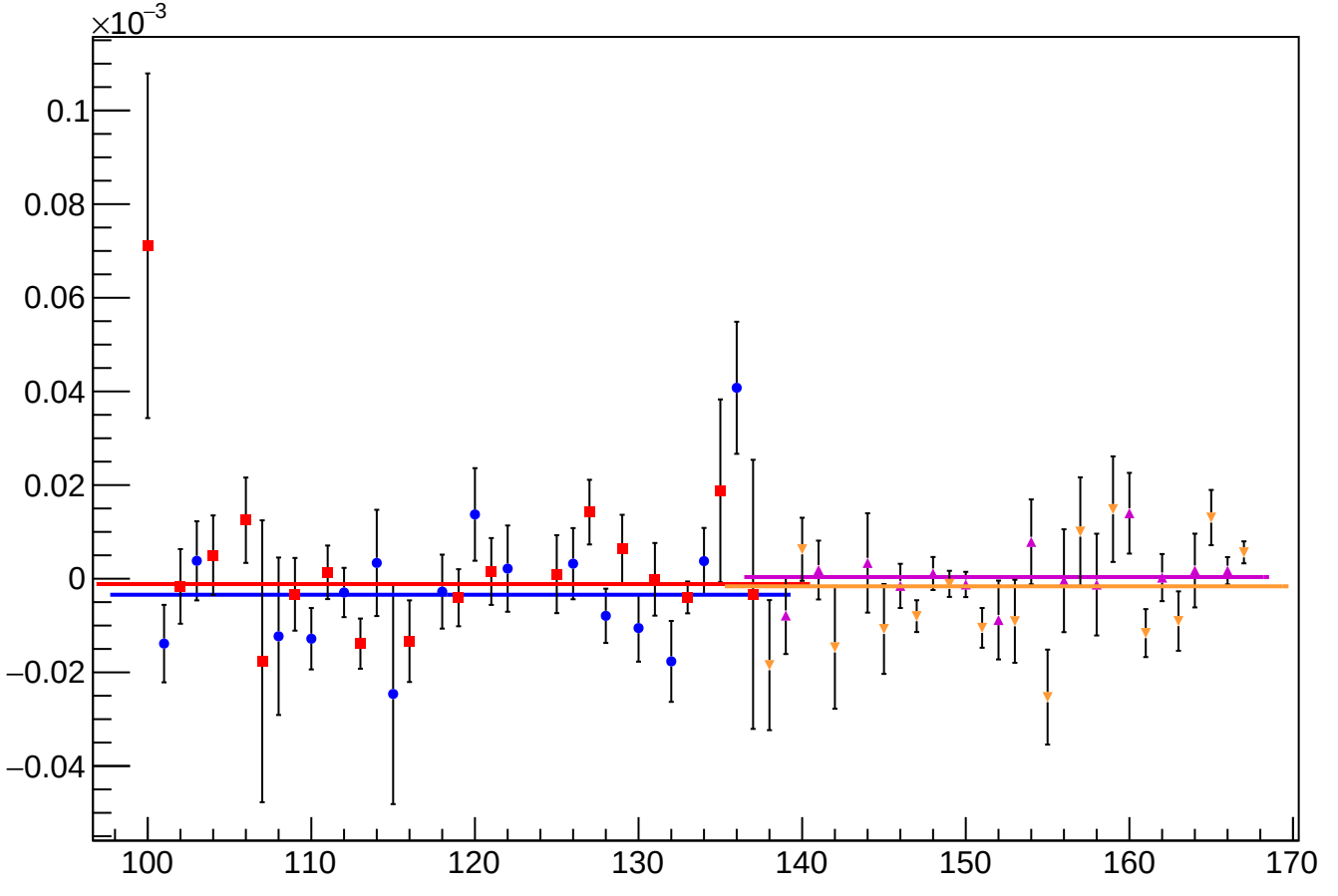
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.318+/-0.006 χ^2/NDF:4519063.1/29

Out: 30.781+/-0.006 χ^2/NDF:5187468.2/32

All: 31.520+/-0.004 χ^2/NDF: 9740352.5/62

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.3/13

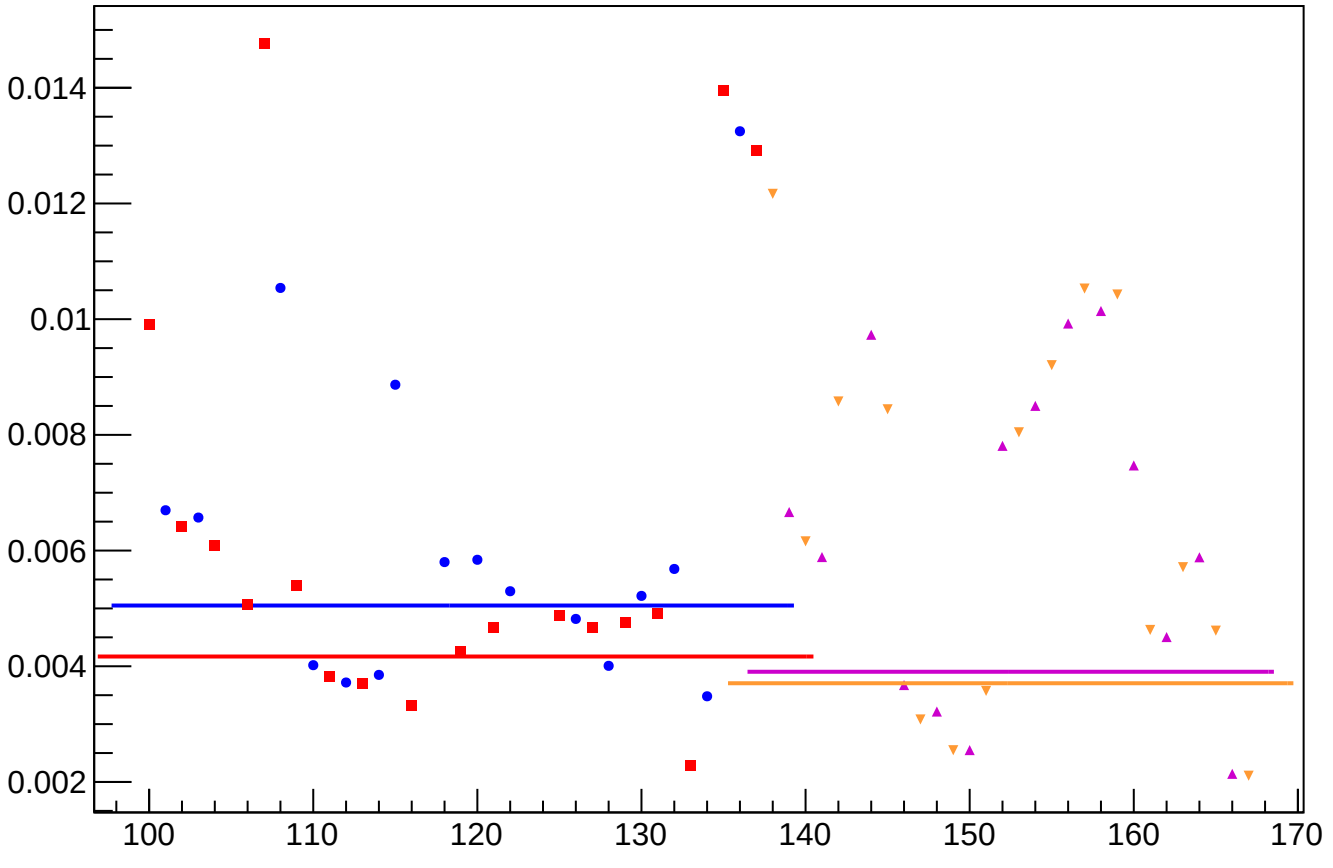
Left: -0.000+/-0.000 χ^2/NDF: 50.4/28

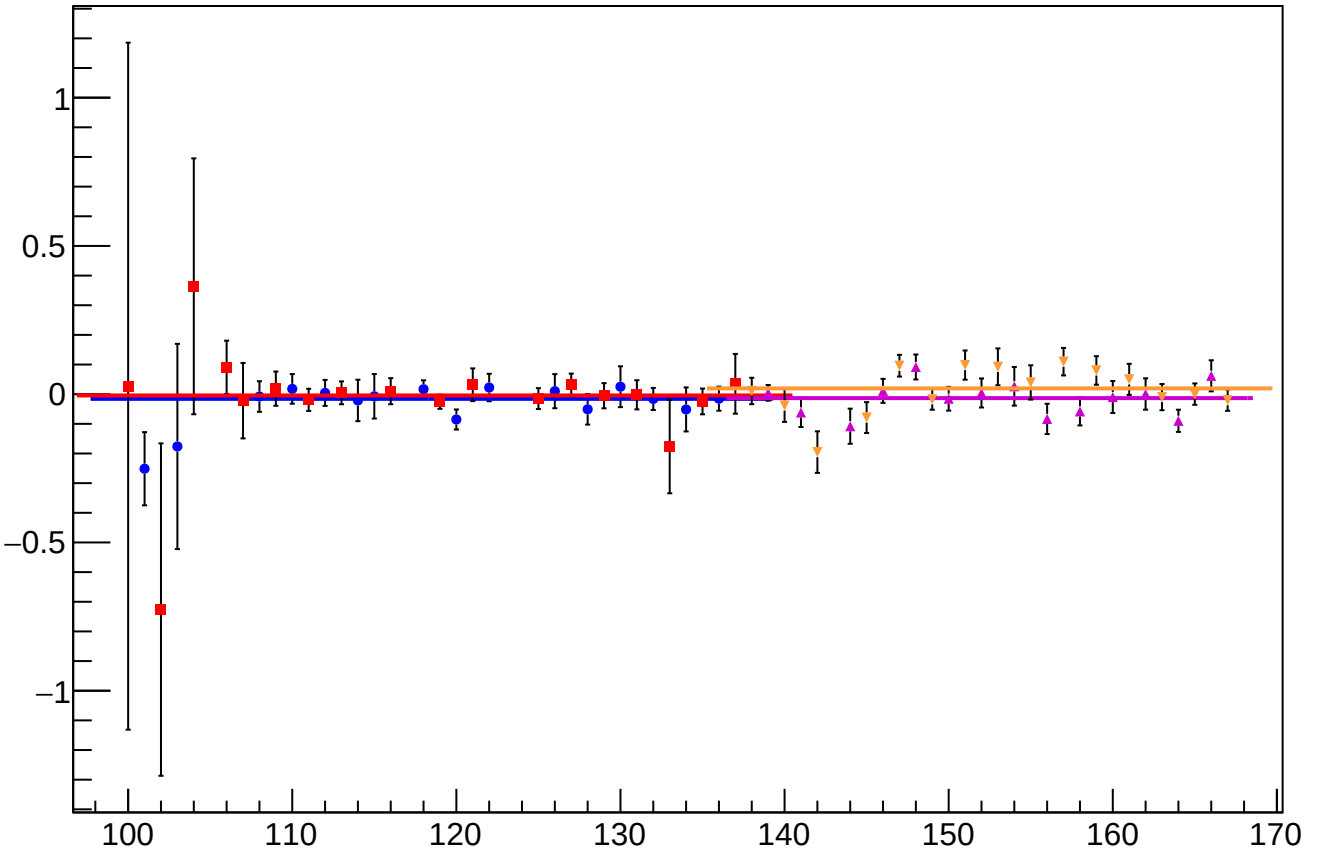
Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:33.9/29

Out: -0.000+/-0.000 χ^2/NDF:65.9/32

All: -0.000+/-0.000 χ^2/NDF: 100.0/62


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.005+/-0.000 χ²/NDF: 1494215.1/15
Left Out: 0.004+/-0.000 χ²/NDF:5896203.5/14
Right Out: 0.004+/-0.000 χ²/NDF: 2041975.6/17
Left In: 0.004+/-0.000 χ²/NDF:5050127.2/13
Left: 0.004+/-0.000 χ²/NDF: 10969232.3/28
Right: 0.005+/-0.000 χ²/NDF: 3758667.6/33
In: 0.004+/-0.000 χ²/NDF:6985561.3/29
Out: 0.004+/-0.000 χ²/NDF:8033439.4/32
All: 0.004+/-0.000 χ²/NDF: 15150688.8/62



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.013+/-0.012 χ^2/NDF:20.2/13

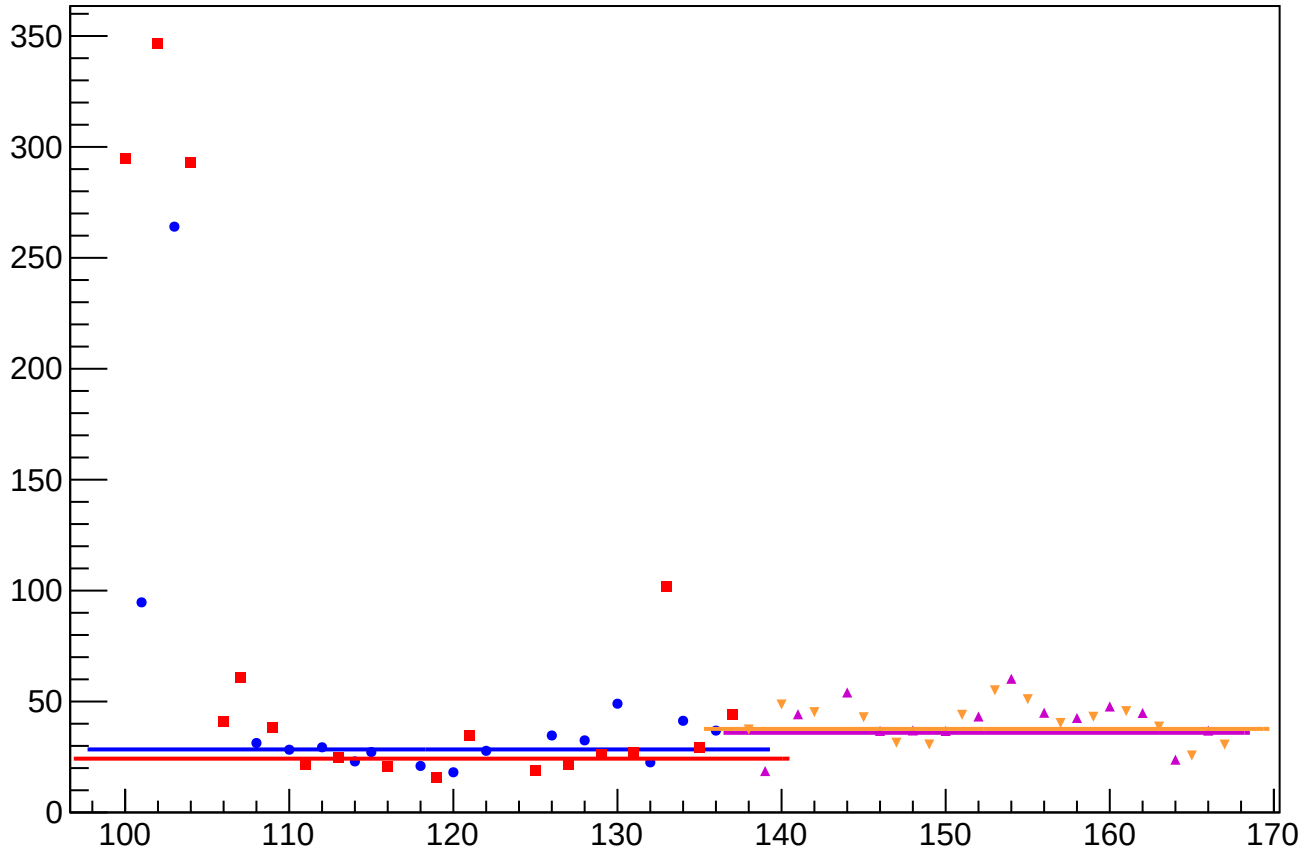
Left: 0.003+/-0.008 χ^2/NDF: 55.2/28

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.014+/-0.009 χ^2/NDF:32.1/29

Out: 0.007+/-0.008 χ^2/NDF:41.2/32

All: -0.003+/-0.006 χ^2/NDF: 76.6/62



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.669+/-0.008 χ^2/NDF:935992.2/14

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.909+/-0.008 χ^2/NDF:1887017.6/13

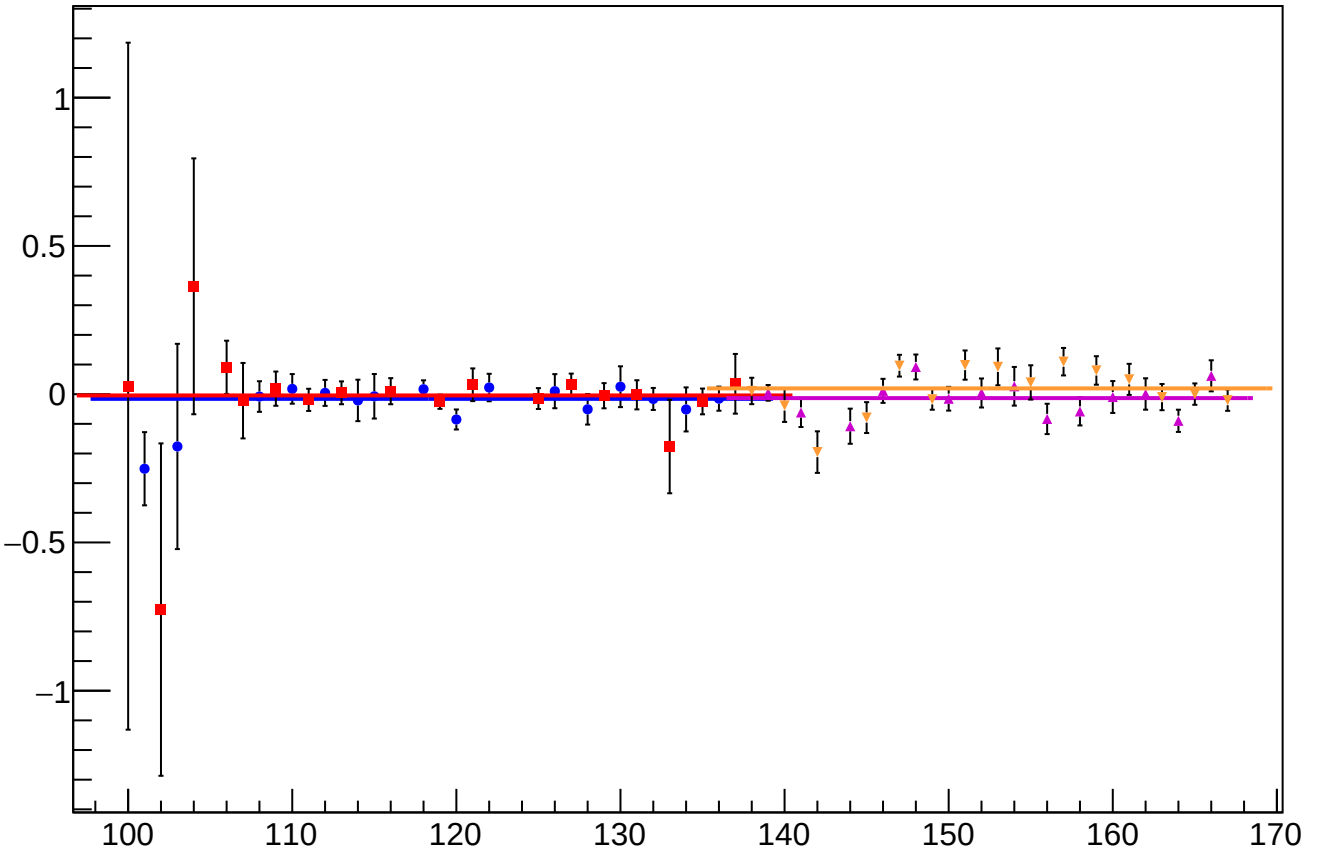
Left: 36.792+/-0.006 χ^2/NDF: 2845346.6/28

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.318+/-0.006 χ^2/NDF:4519492.5/29

Out: 30.780+/-0.006 χ^2/NDF:5188180.6/32

All: 31.519+/-0.004 χ^2/NDF: 9741542.1/62



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.013+/-0.012 χ^2/NDF:20.2/13

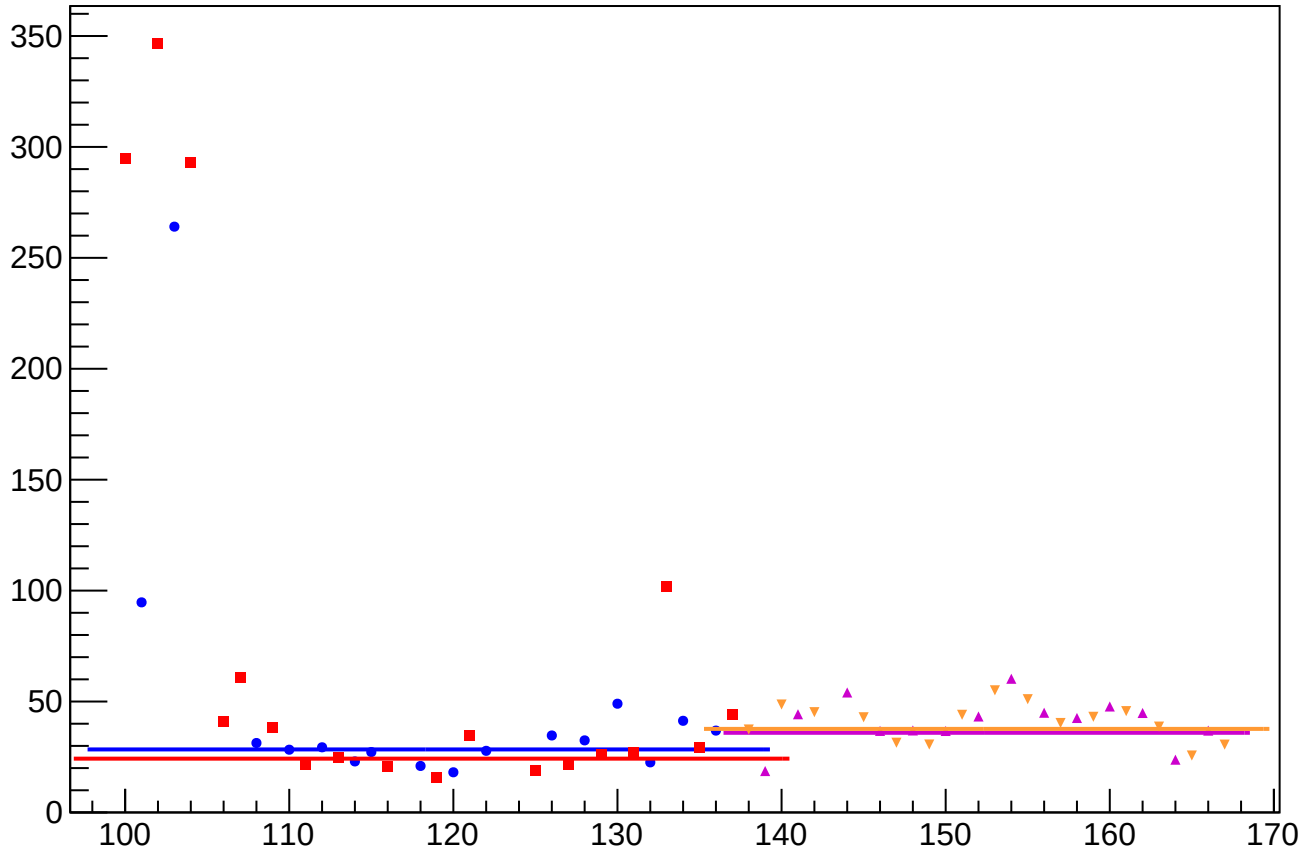
Left: 0.003+/-0.008 χ^2/NDF: 55.2/28

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.014+/-0.009 χ^2/NDF:32.1/29

Out: 0.007+/-0.008 χ^2/NDF:41.2/32

All: -0.003+/-0.006 χ^2/NDF: 76.6/62



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.669+/-0.008 χ^2/NDF:935992.2/14

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.909+/-0.008 χ^2/NDF:1887017.6/13

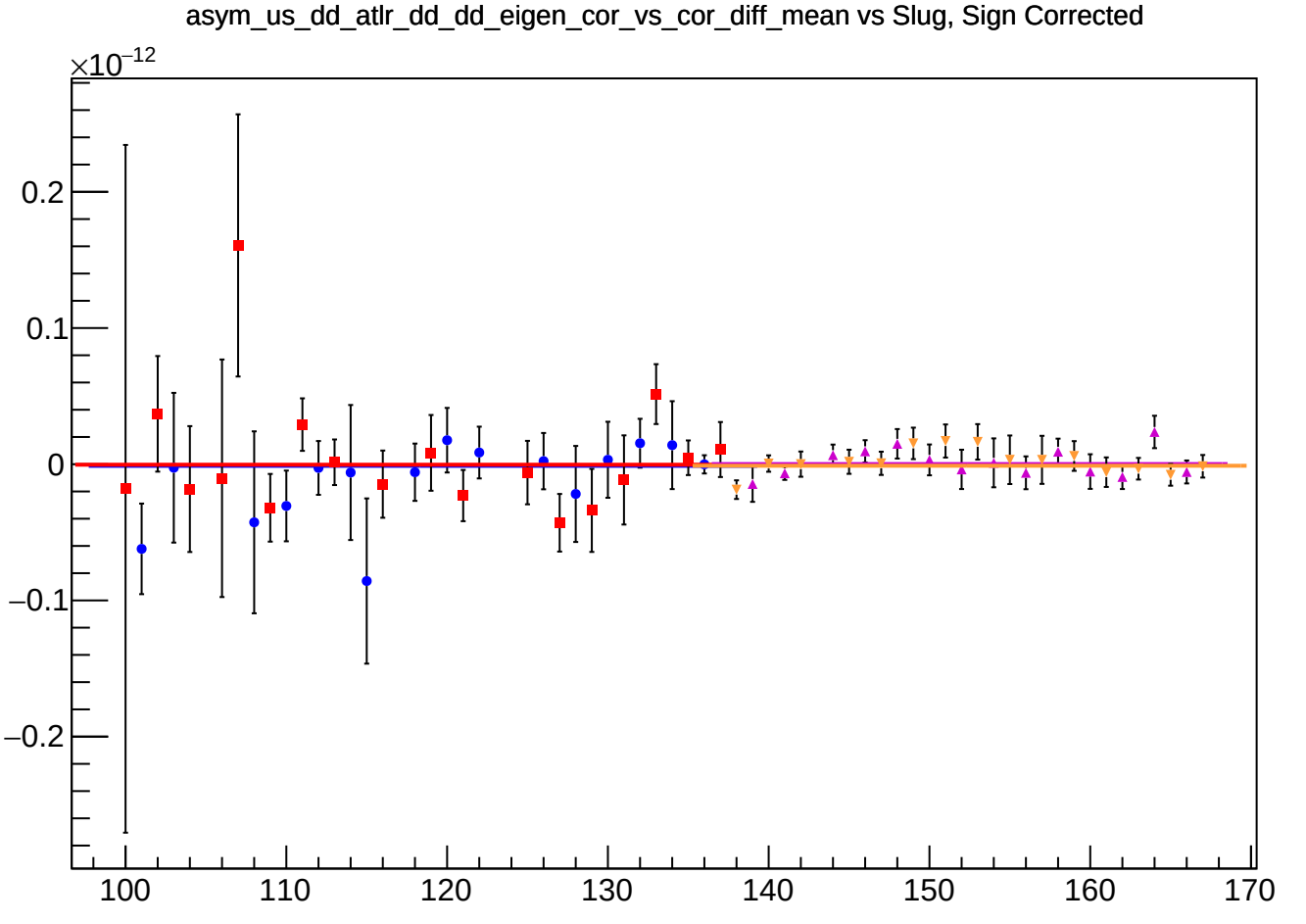
Left: 36.792+/-0.006 χ^2/NDF: 2845346.6/28

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.318+/-0.006 χ^2/NDF:4519492.5/29

Out: 30.780+/-0.006 χ^2/NDF:5188180.6/32

All: 31.519+/-0.004 χ^2/NDF: 9741542.1/62



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.1/13

Left: -0.000+/-0.000 χ^2/NDF: 28.6/28

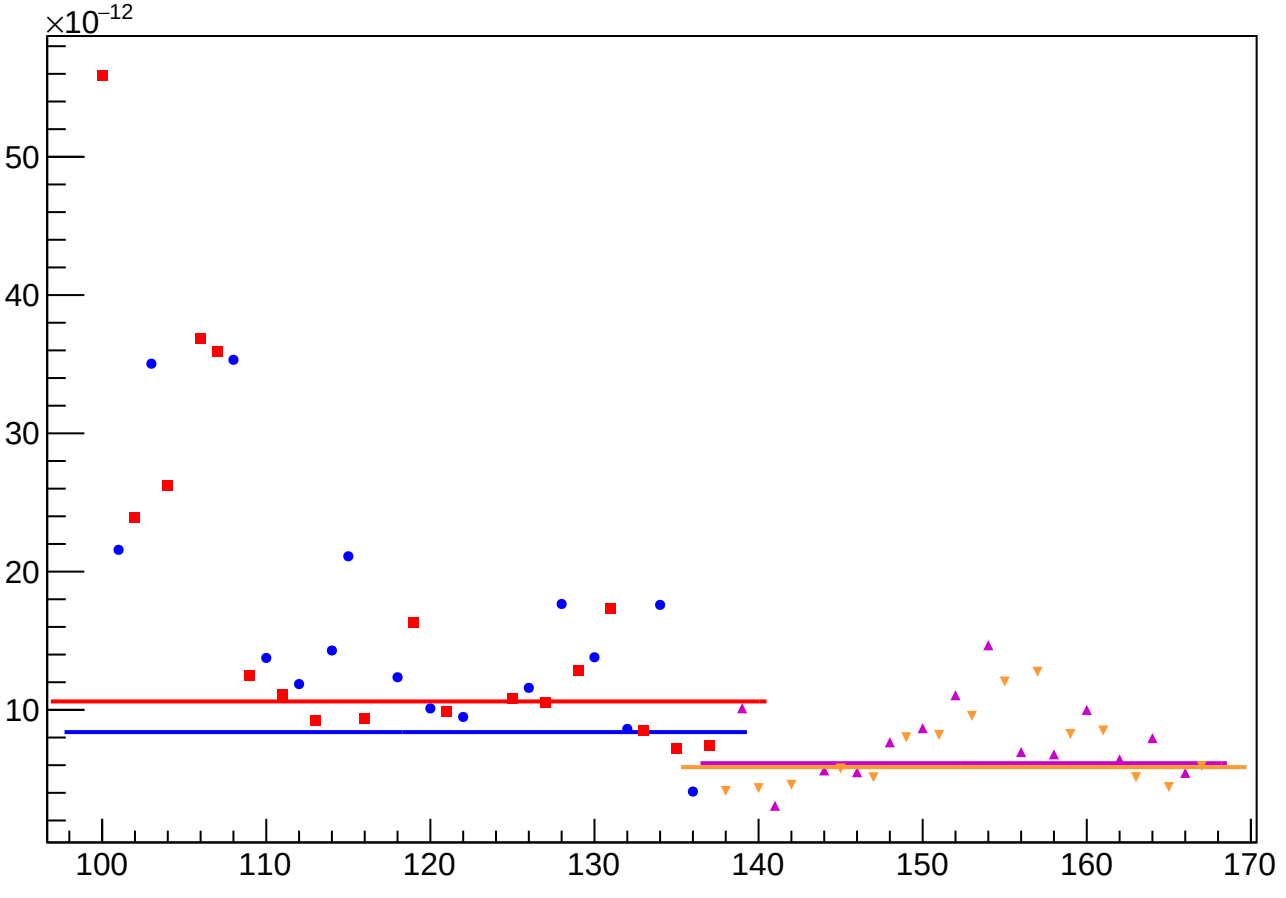
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:23.6/29

Out: -0.000+/-0.000 χ^2/NDF:35.5/32

All: -0.000+/-0.000 χ^2/NDF: 59.2/62

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1456831.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2092587.3/13

Left: 0.000+/-0.000 χ^2/NDF: 3563296.1/28

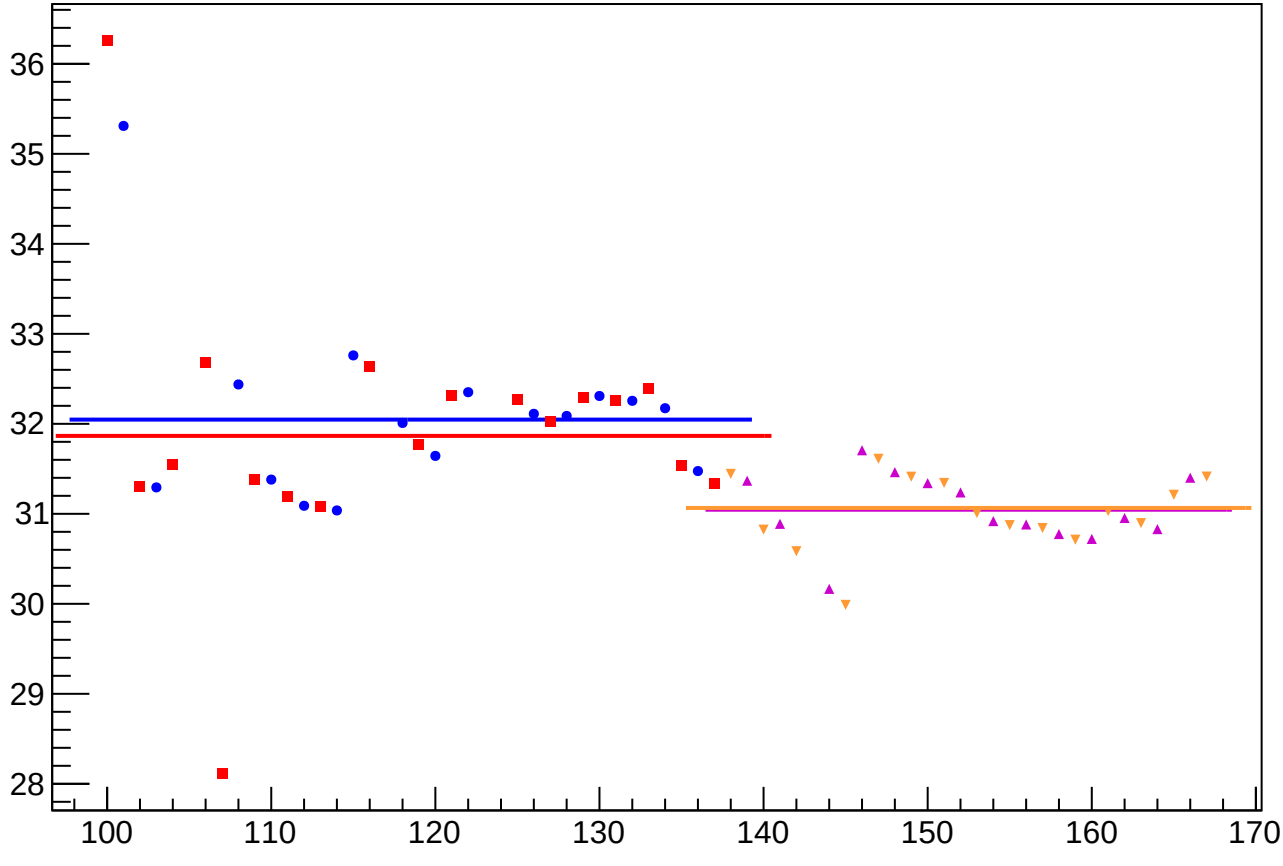
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:5150953.6/29

Out: 0.000+/-0.000 χ^2/NDF:3904744.9/32

All: 0.000+/-0.000 χ^2/NDF: 9056071.4/62

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.065+/-0.000 χ^2/NDF:237994866.9/14

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.046+/-0.000 χ^2/NDF:234296172.0/13

Left: 31.056+/-0.000 χ^2/NDF: 472616547.1/28

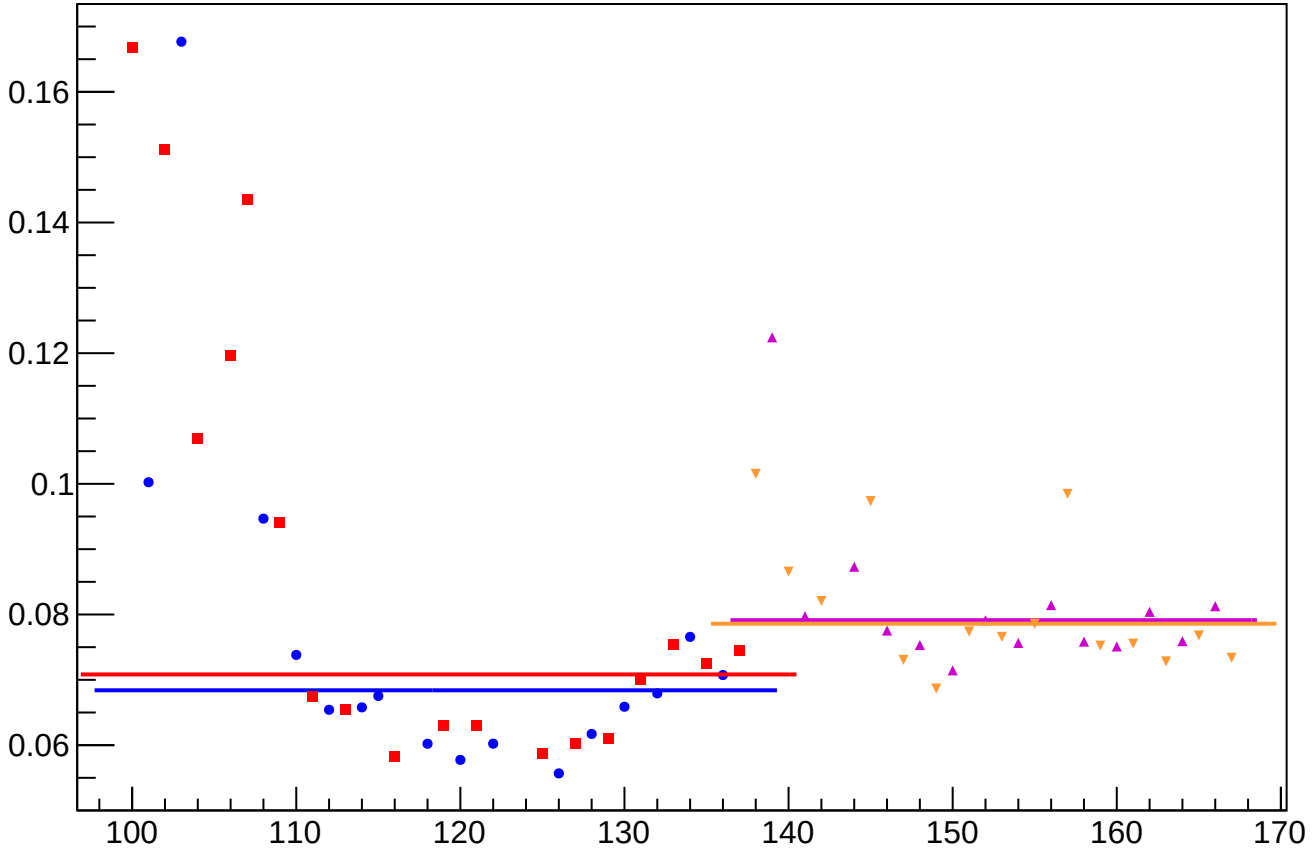
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.495+/-0.000 χ^2/NDF:1872310526.9/29

Out: 31.402+/-0.000 χ^2/NDF:1184450484.5/32

All: 31.449+/-0.000 χ^2/NDF: 3069456160.6/6

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.079+/-0.000 χ^2/NDF:263759.8/14

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.079+/-0.000 χ^2/NDF:249757.8/13

Left: 0.079+/-0.000 χ^2/NDF: 514009.9/28

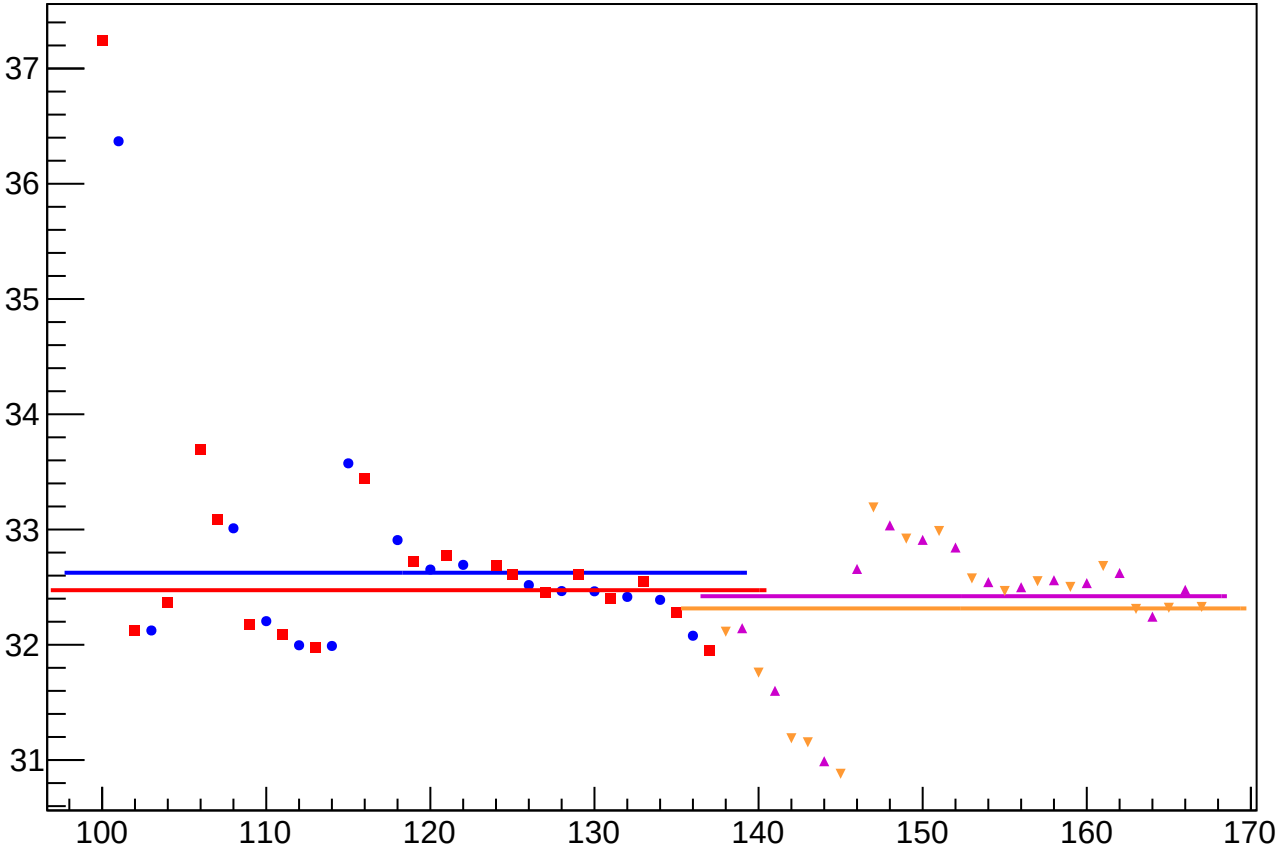
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1122792.4/29

Out: 0.075+/-0.000 χ^2/NDF:1218593.4/32

All: 0.075+/-0.000 χ^2/NDF: 2344377.4/62

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.315+/-0.000 χ^2/NDF:773299205.5/15

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.421+/-0.000 χ^2/NDF:527857755.5/13

Left: 32.366+/-0.000 χ^2/NDF: 1311138176.9/29

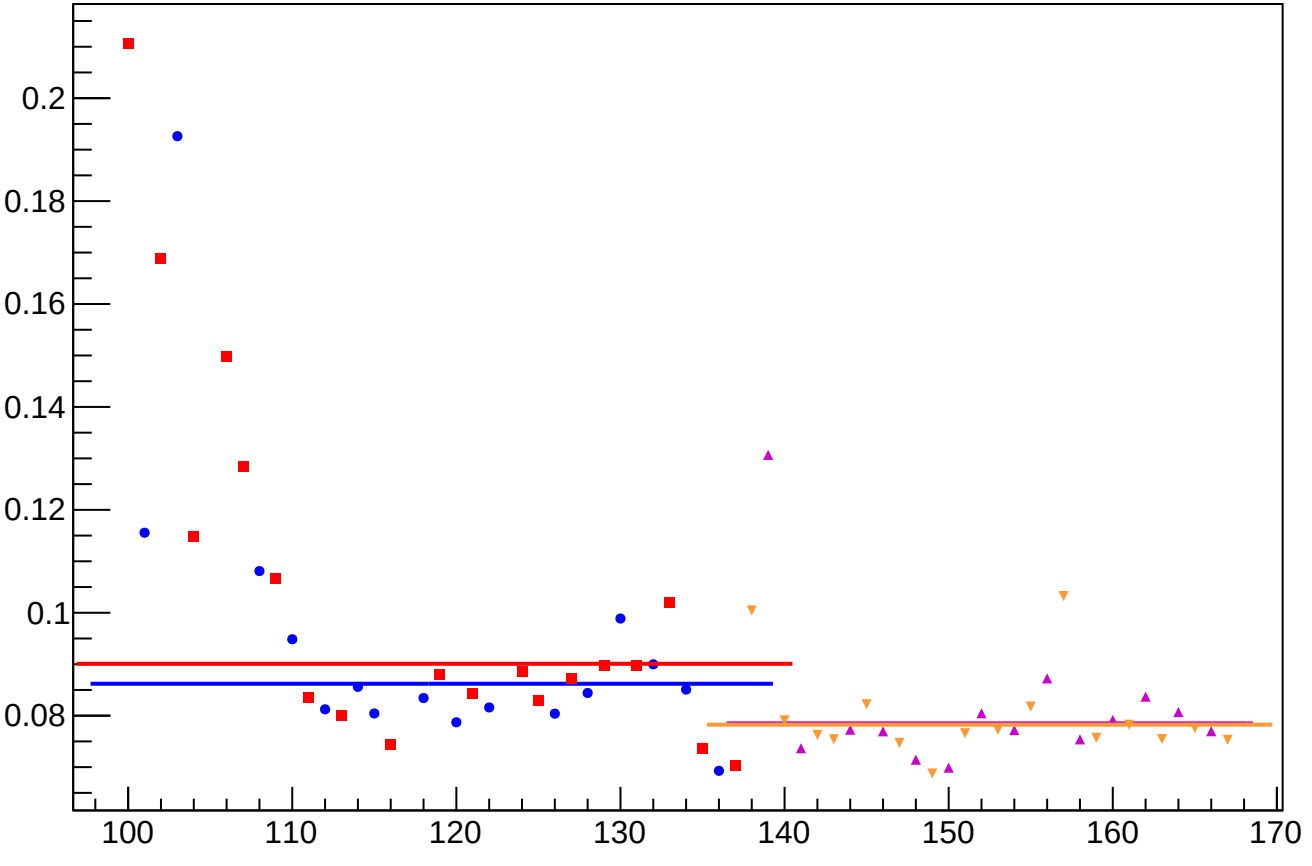
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.489+/-0.000 χ^2/NDF:1290400081.9/29

Out: 32.363+/-0.000 χ^2/NDF:944013354.5/34

All: 32.425+/-0.000 χ^2/NDF: 2255084302.5/6

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:200193.6/15

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.079+/-0.000 χ^2/NDF:334551.0/13

Left: 0.078+/-0.000 χ^2/NDF: 534867.5/29

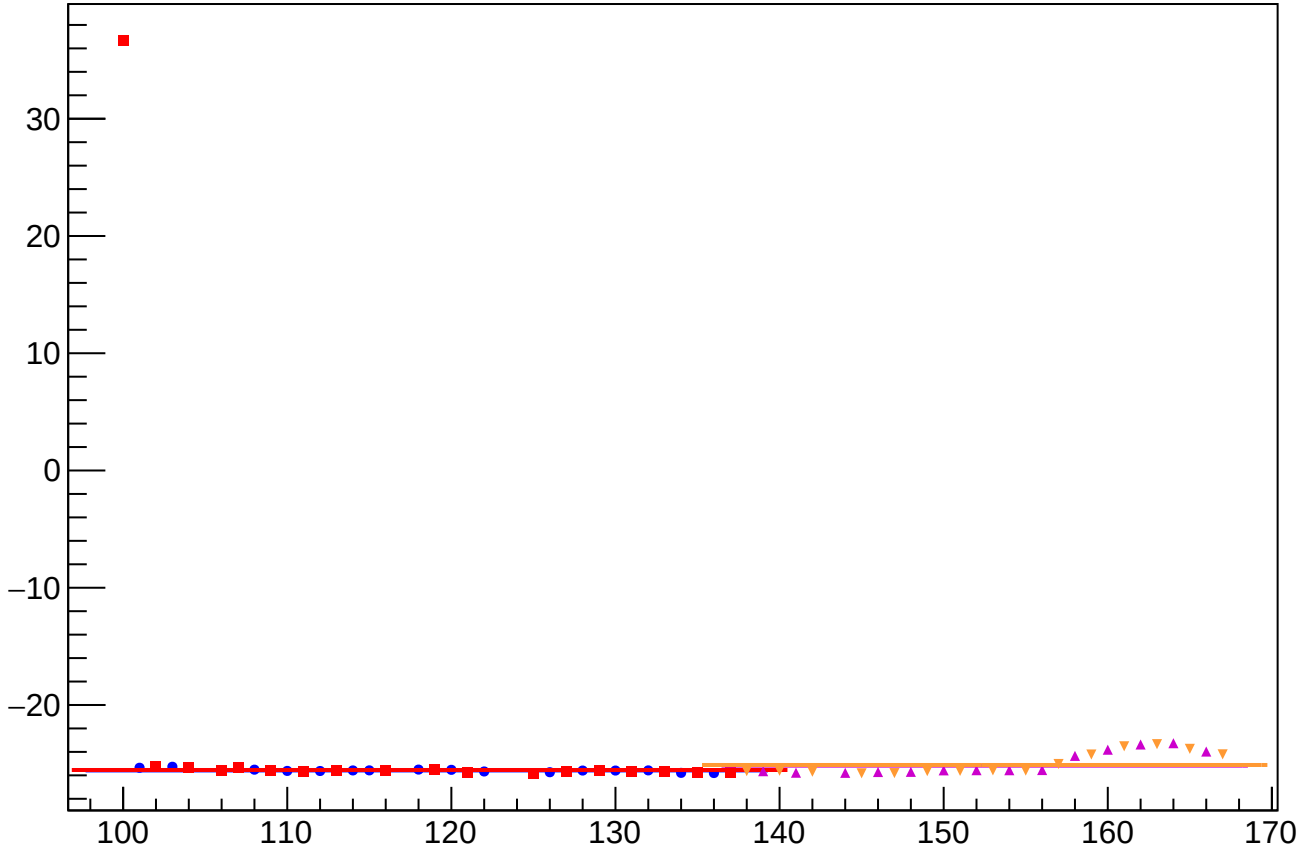
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:1000065.2/29

Out: 0.082+/-0.000 χ^2/NDF:977781.3/34

All: 0.081+/-0.000 χ^2/NDF: 1979235.4/64

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.116+/-0.000 χ^2/NDF:4085394596.8/14

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.171+/-0.000 χ^2/NDF:4221752621.3/13

Left: -25.144+/-0.000 χ^2/NDF: 8315696713.8/28

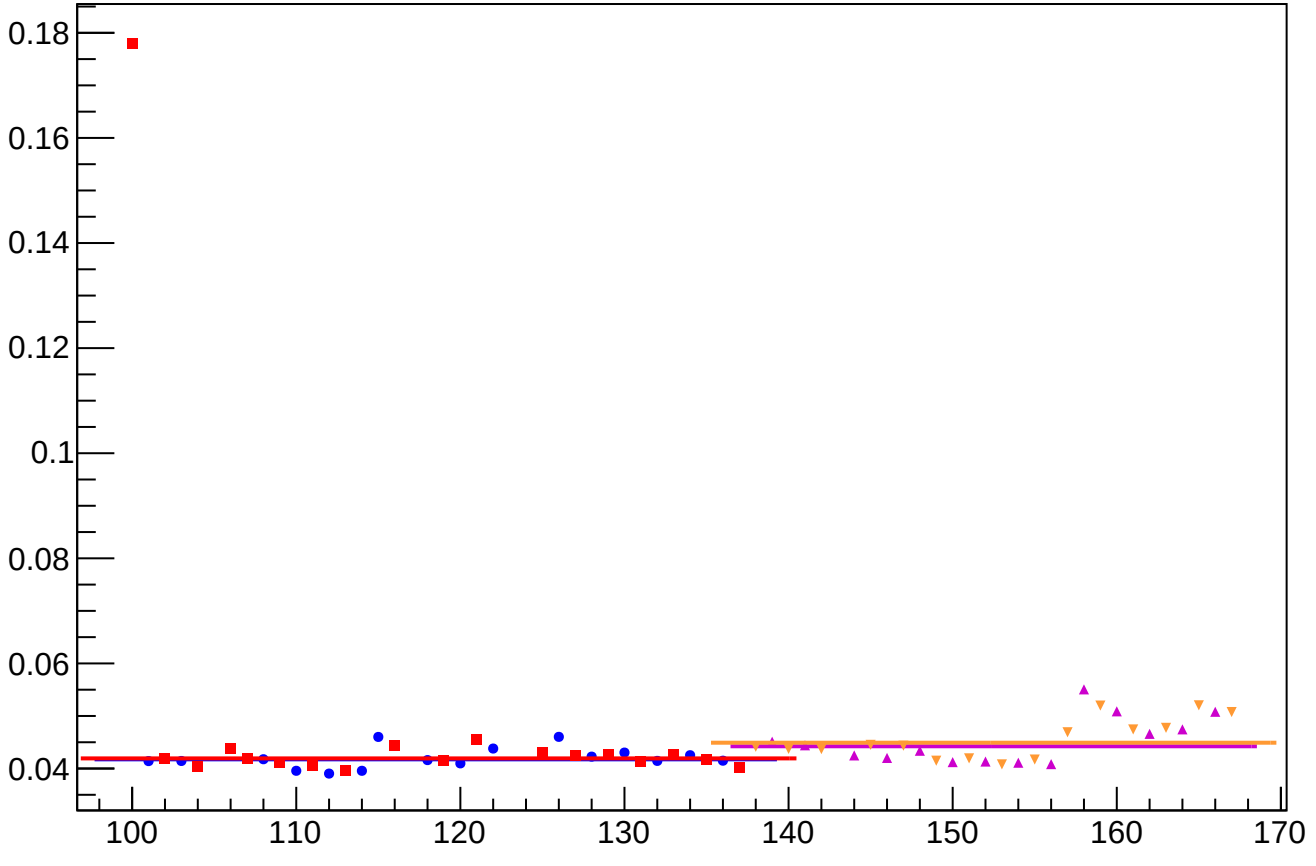
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.341+/-0.000 χ^2/NDF:4719150516.3/29

Out: -25.296+/-0.000 χ^2/NDF:13429671783.4/32

All: -25.318+/-0.000 χ^2/NDF: 18158970358.6

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:134963.5/14

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.044+/-0.000 χ^2/NDF:169908.1/13

Left: 0.045+/-0.000 χ^2/NDF: 307506.5/28

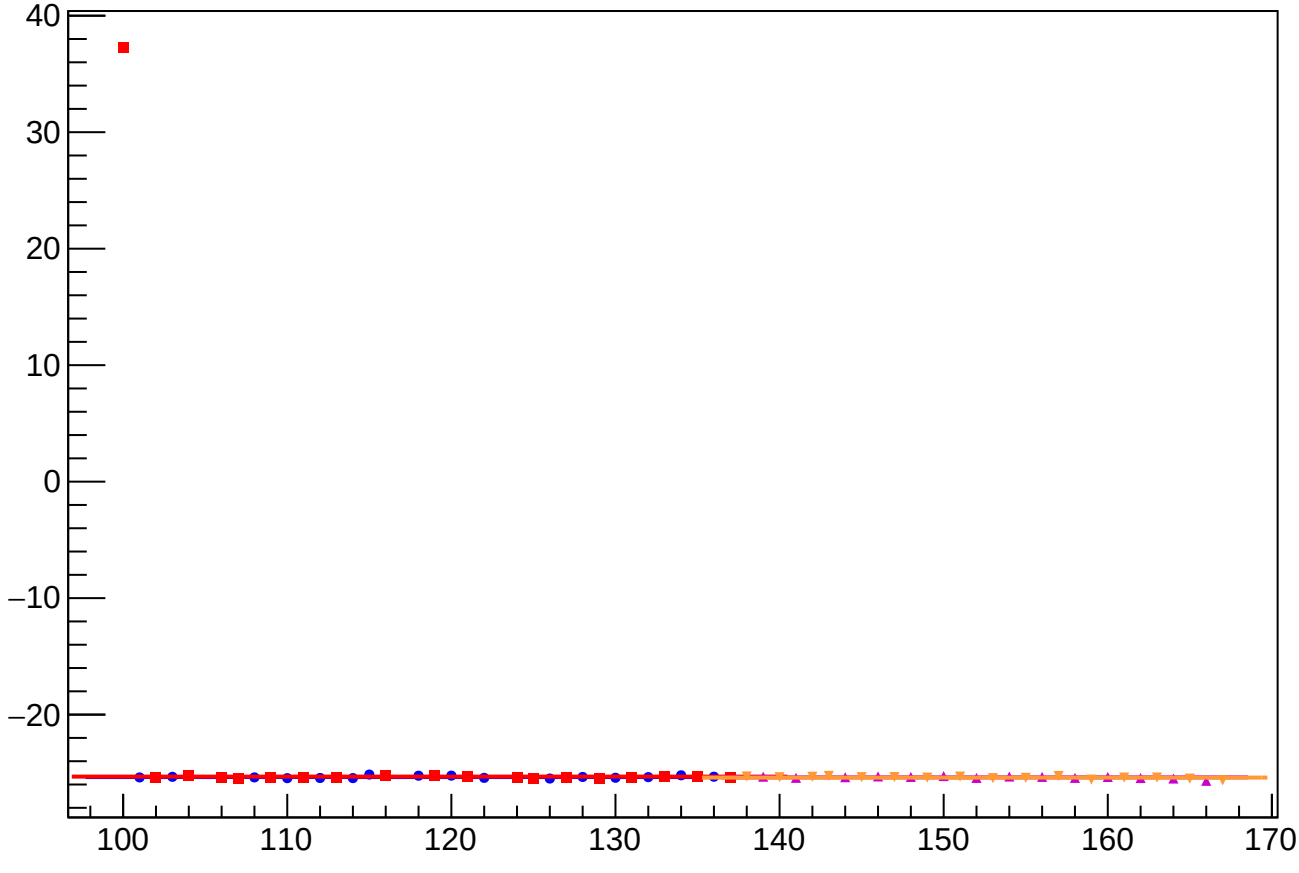
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.043+/-0.000 χ^2/NDF:220289.6/29

Out: 0.044+/-0.000 χ^2/NDF:277713.8/32

All: 0.043+/-0.000 χ^2/NDF: 500110.0/62

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.406+/-0.000 χ^2/NDF:42197297.5/15

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.386+/-0.000 χ^2/NDF:32247015.7/13

Left: -25.397+/-0.000 χ^2/NDF: 75180563.4/29

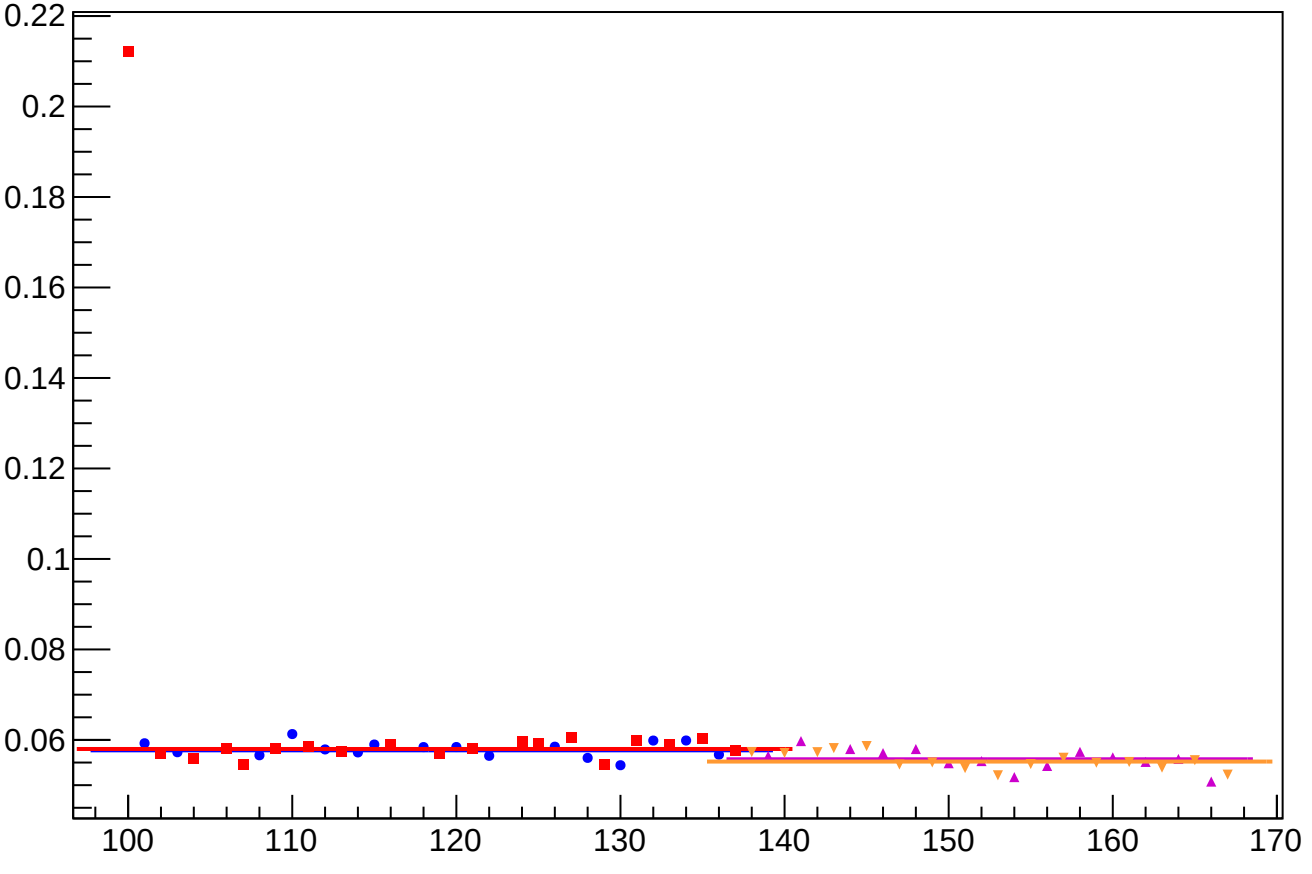
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.377+/-0.000 χ^2/NDF:46430347.7/29

Out: -25.377+/-0.000 χ^2/NDF:6366955005.6/34

All: -25.377+/-0.000 χ^2/NDF: 6413385354.3/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:27567.8/15

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:37692.8/13

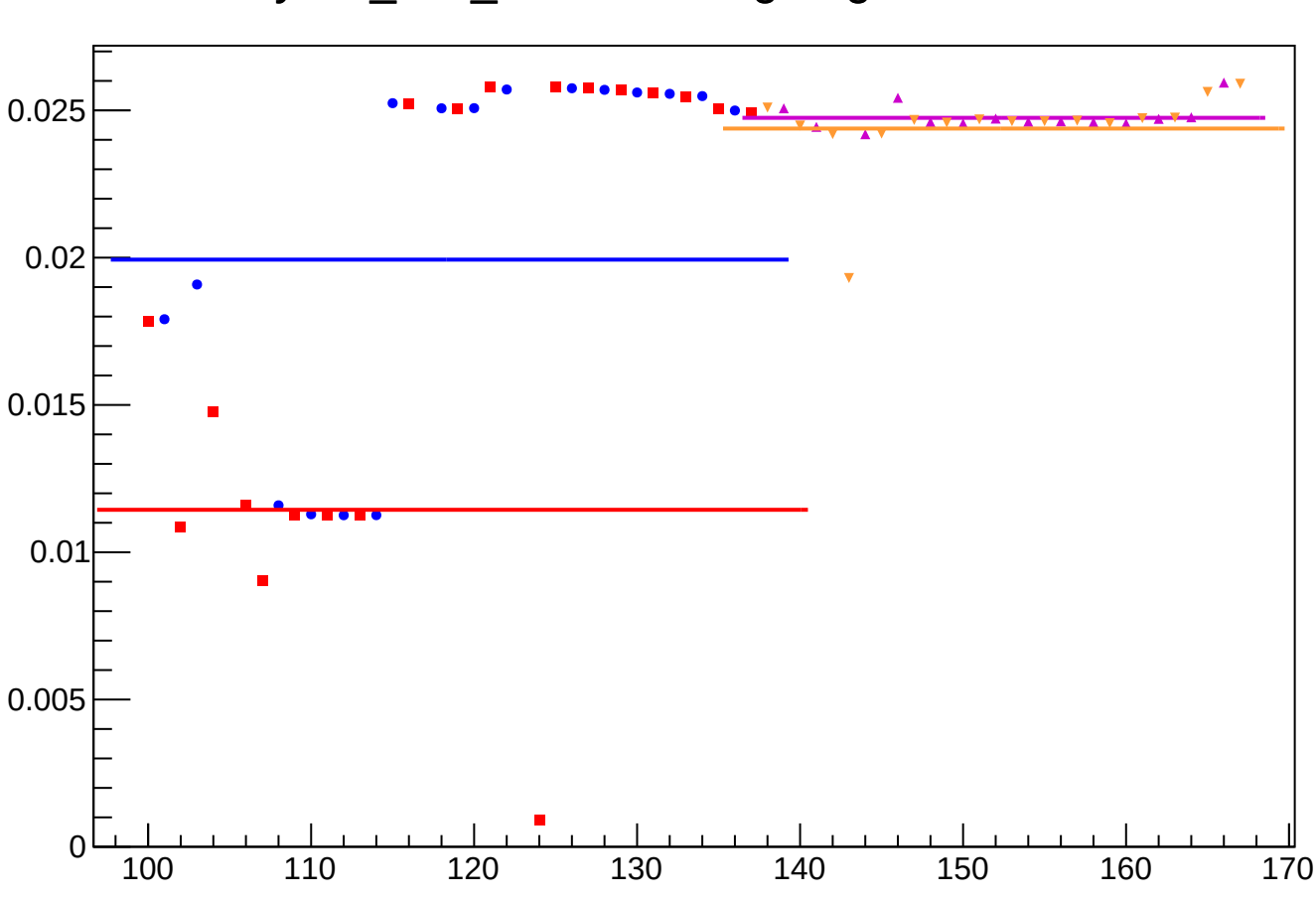
Left: 0.055+/-0.000 χ^2/NDF: 66220.5/29

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

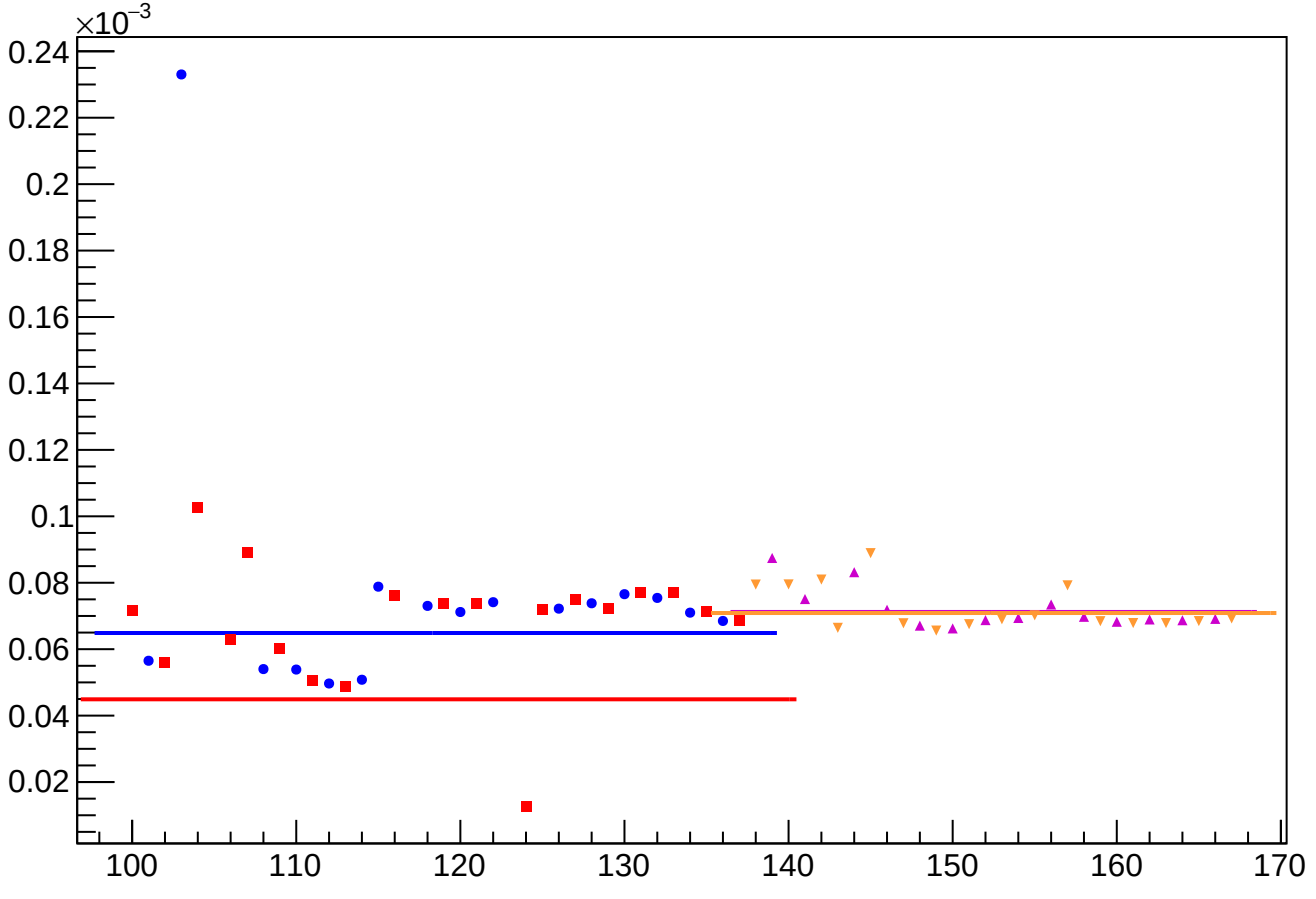
In: 0.056+/-0.000 χ^2/NDF:59816.6/29

Out: 0.056+/-0.000 χ^2/NDF:137822.1/34

All: 0.056+/-0.000 χ^2/NDF: 198044.9/64


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.024+/-0.000 χ²/NDF:5386324089.4/15
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:339865378.4/13
Left: 0.025+/-0.000 χ²/NDF: 5879911308.7/29
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.023+/-0.000 χ²/NDF:84000923972.7/29
Out: 0.018+/-0.000 χ²/NDF:466863400708.9/34
All: 0.020+/-0.000 χ²/NDF: 603558842070.4

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:168264.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:125539.5/13

Left: 0.000+/-0.000 χ^2/NDF: 294036.9/29

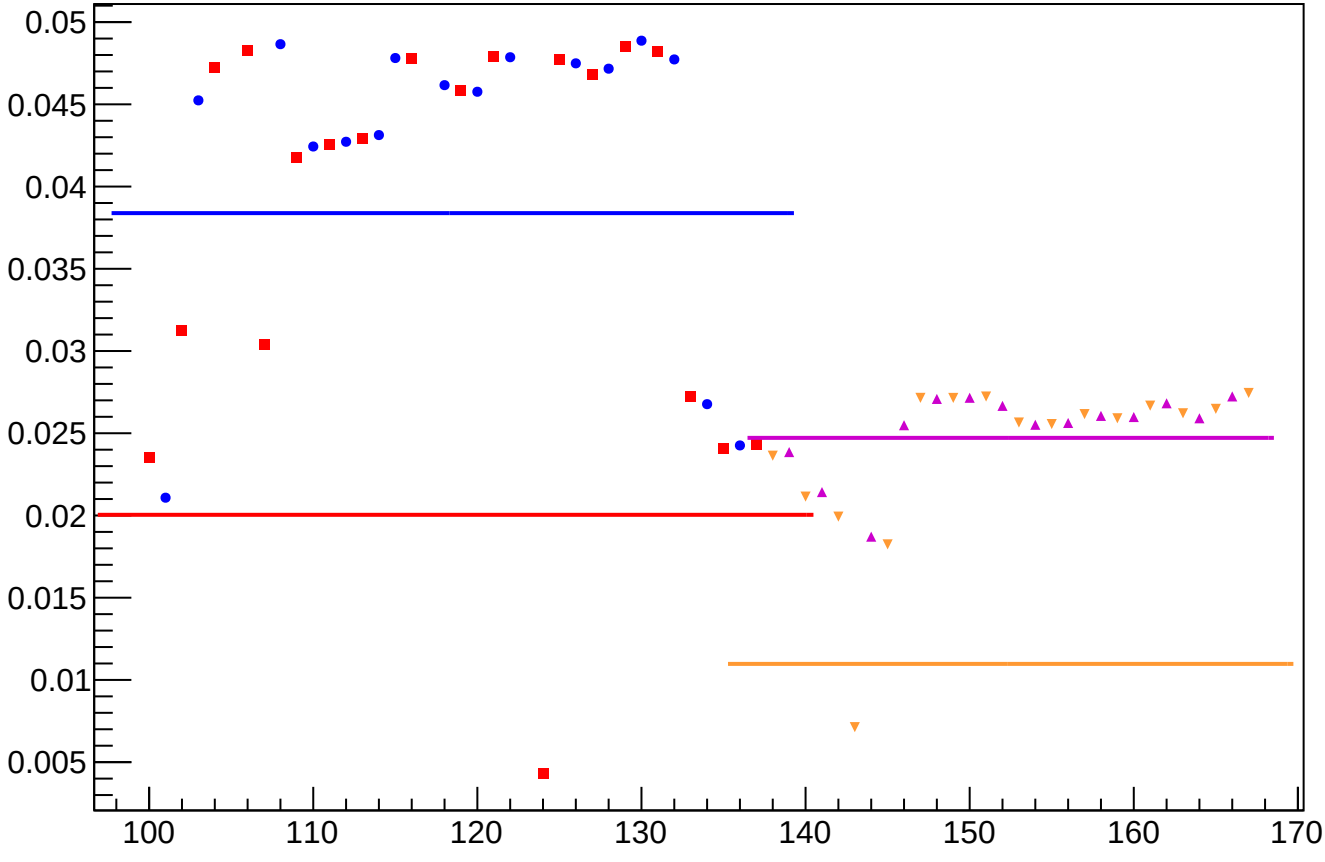
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1015778.7/29

Out: 0.000+/-0.000 χ^2/NDF:5612044.9/34

All: 0.000+/-0.000 χ^2/NDF: 7138447.9/64

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:30588269269.2/15

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.025+/-0.000 χ^2/NDF:978523046.0/13

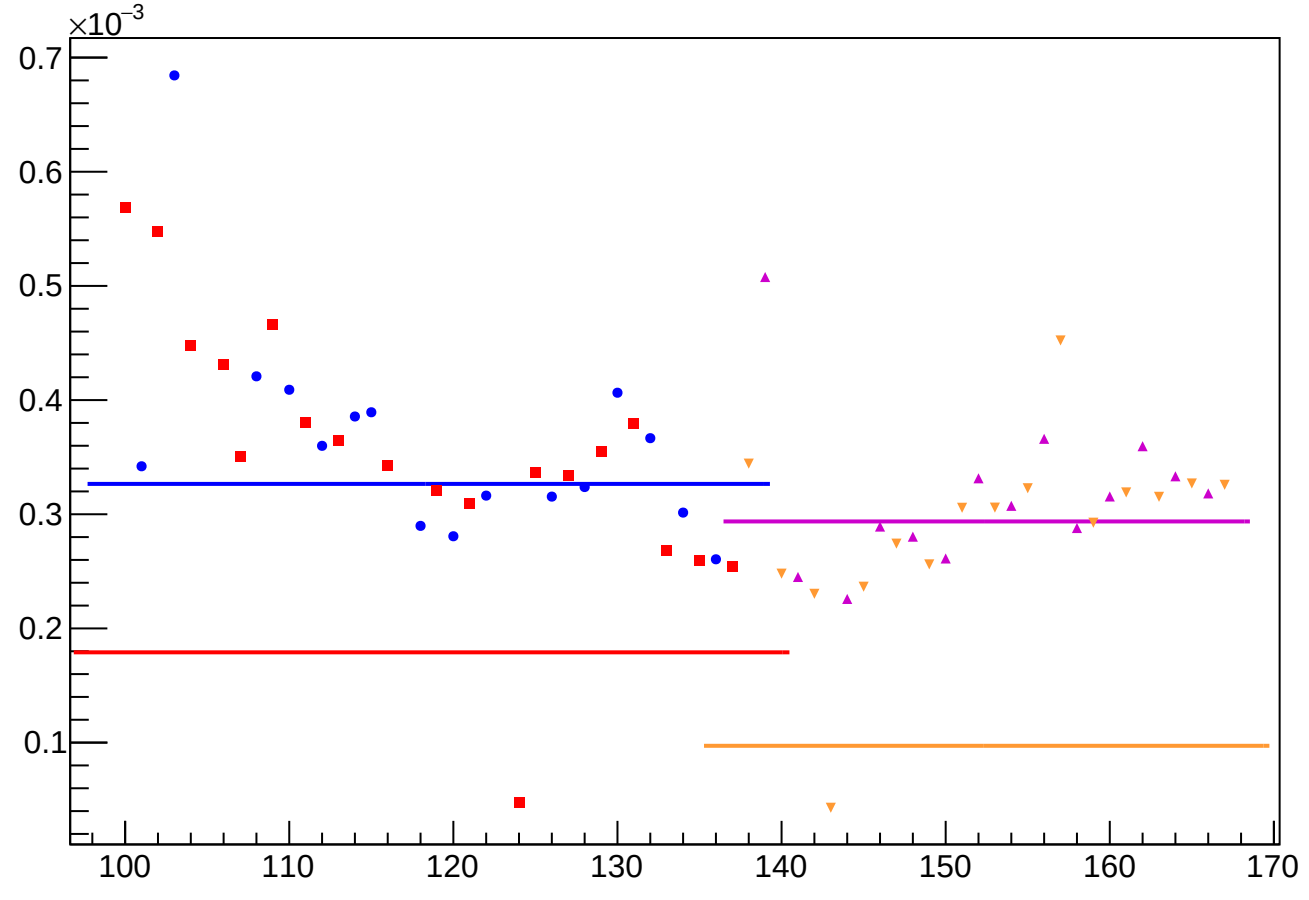
Left: 0.013+/-0.000 χ^2/NDF: 49947234182.3/29

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

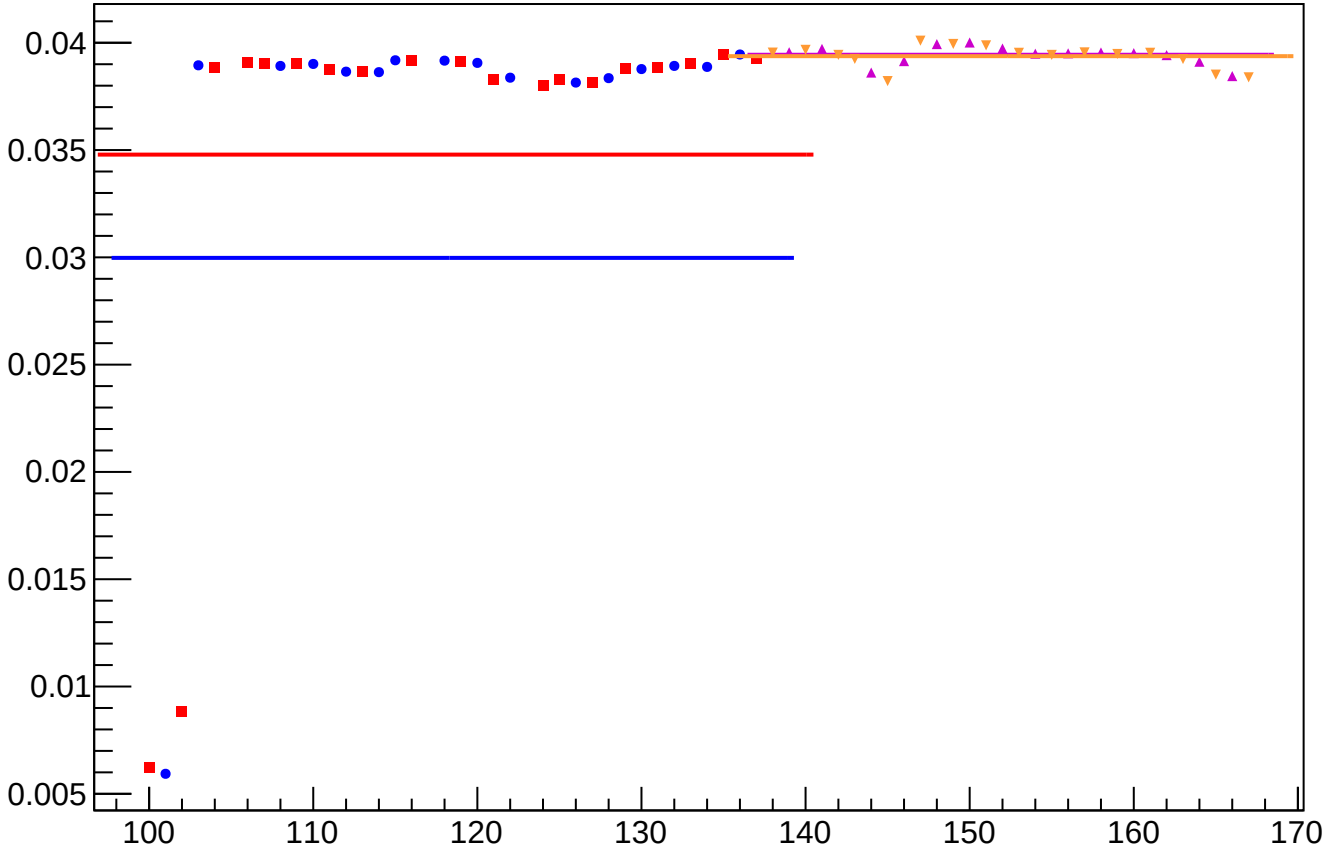
In: 0.029+/-0.000 χ^2/NDF:15416907046.2/29

Out: 0.013+/-0.000 χ^2/NDF:81002428539.6/34

All: 0.016+/-0.000 χ^2/NDF: 135525543967.3


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:12190716.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:680402.5/13
Left: 0.000+/-0.000 χ²/NDF: 20385446.2/29
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:1347065.3/29
Out: 0.000+/-0.000 χ²/NDF:19193699.0/34
All: 0.000+/-0.000 χ²/NDF: 30983553.5/64

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:187794641.7/15

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:107488003.3/13

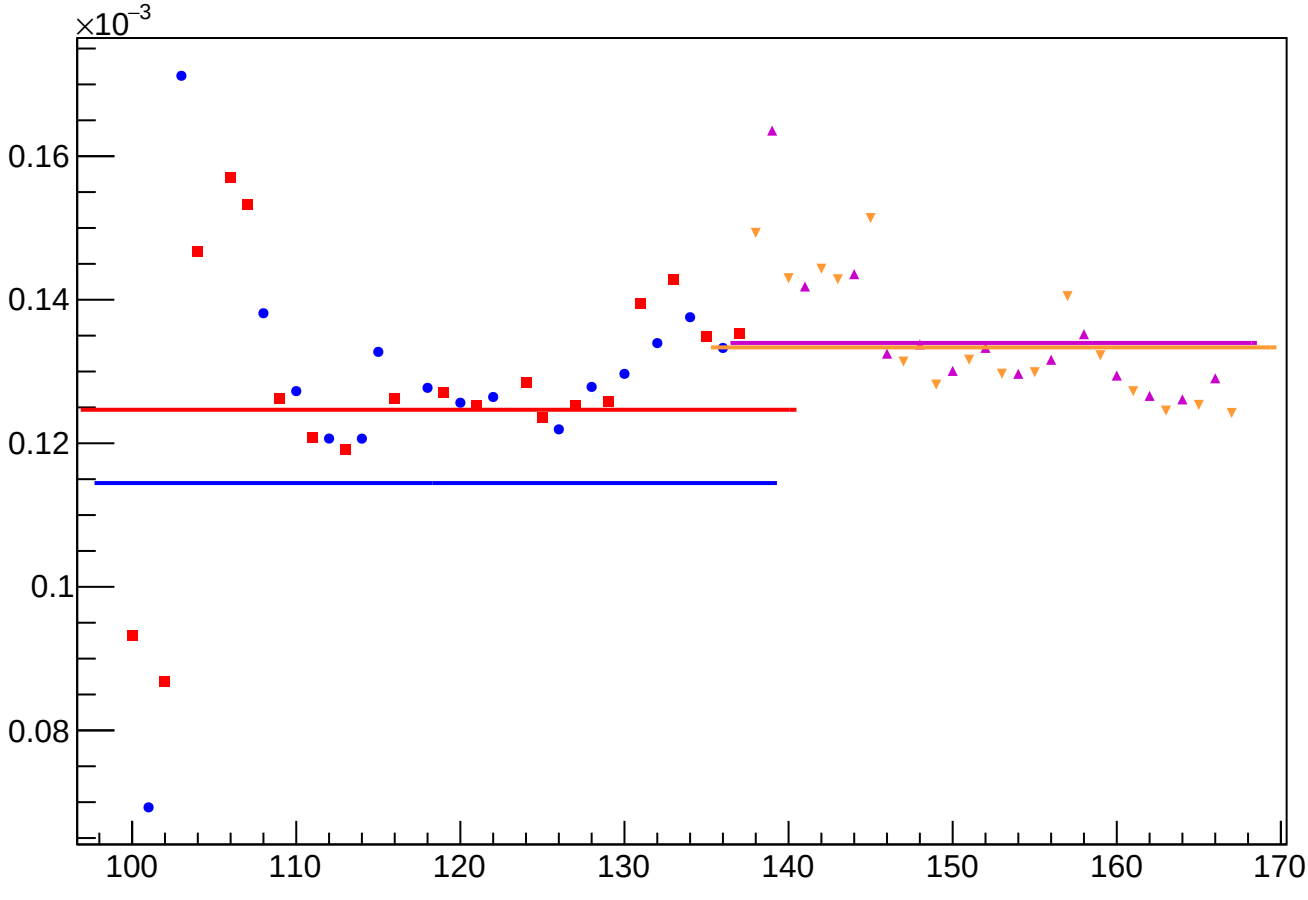
Left: 0.039+/-0.000 χ^2/NDF: 296700876.0/29

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.035+/-0.000 χ^2/NDF:133459534012.3/29

Out: 0.038+/-0.000 χ^2/NDF:53146118225.5/34

All: 0.036+/-0.000 χ^2/NDF: 189798095505.1



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:93793.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:84963.1/13

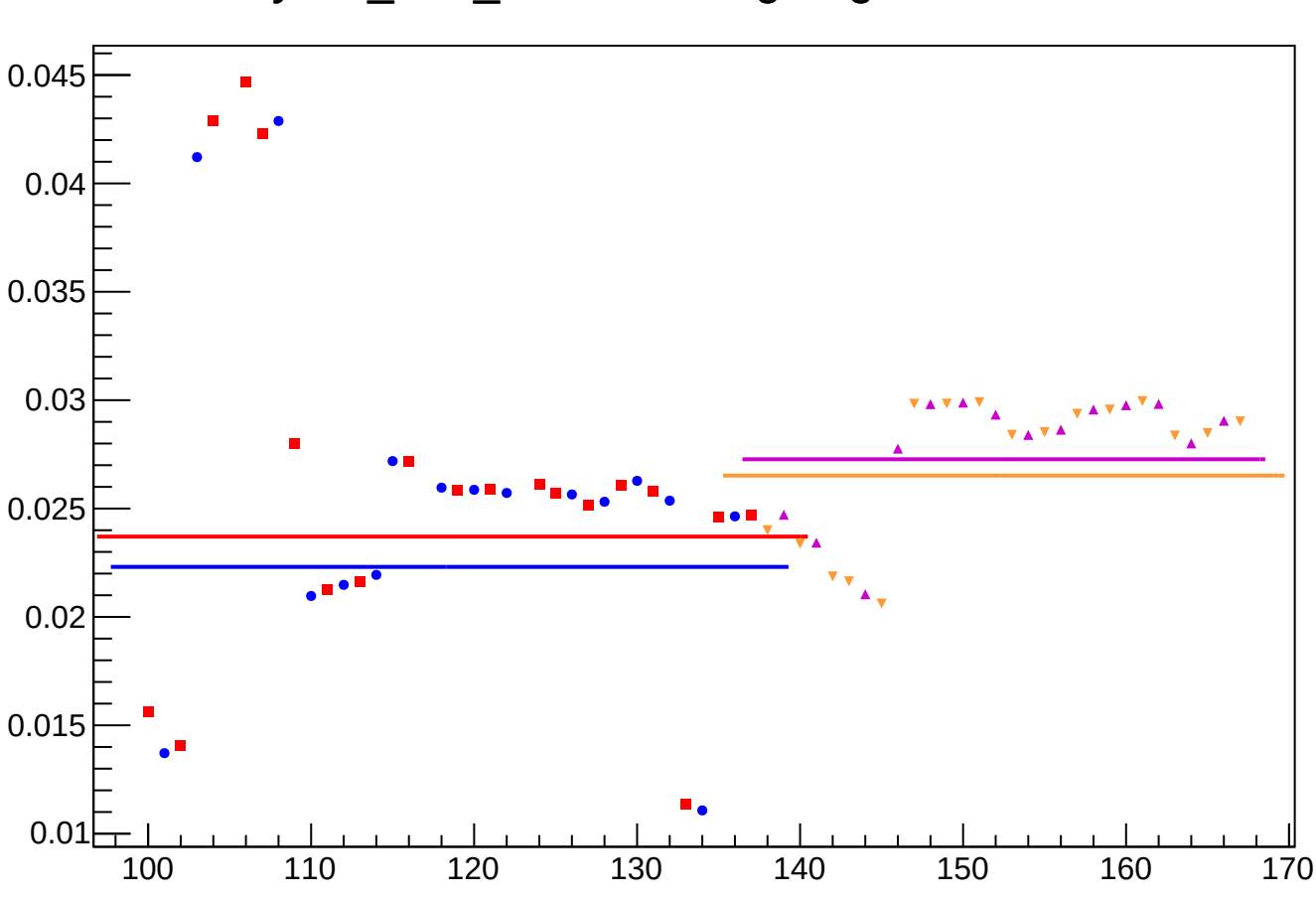
Left: 0.000+/-0.000 χ^2/NDF: 179010.6/29

Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1151495.0/29

Out: 0.000+/-0.000 χ^2/NDF:395044.3/34

All: 0.000+/-0.000 χ^2/NDF: 1571713.5/64



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:1847929462.2/15

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1262451473.9/13

Left: 0.027+/-0.000 χ^2/NDF: 3148185049.0/29

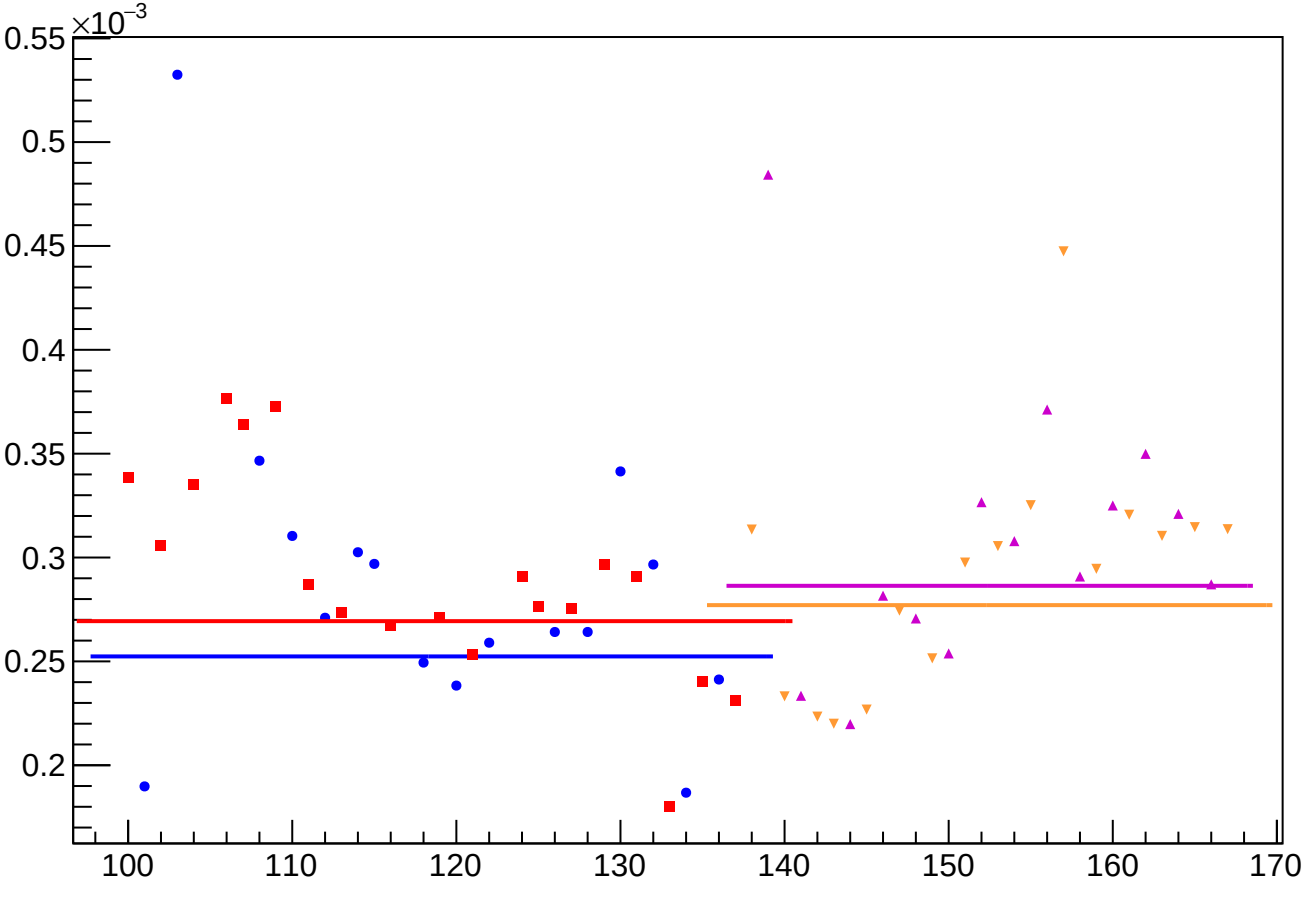
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7629059784.9/29

Out: 0.025+/-0.000 χ^2/NDF:7864293900.5/34

All: 0.025+/-0.000 χ^2/NDF: 15507345655.3/6

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:619361.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:726828.7/13

Left: 0.000+/-0.000 χ^2/NDF: 1357711.4/29

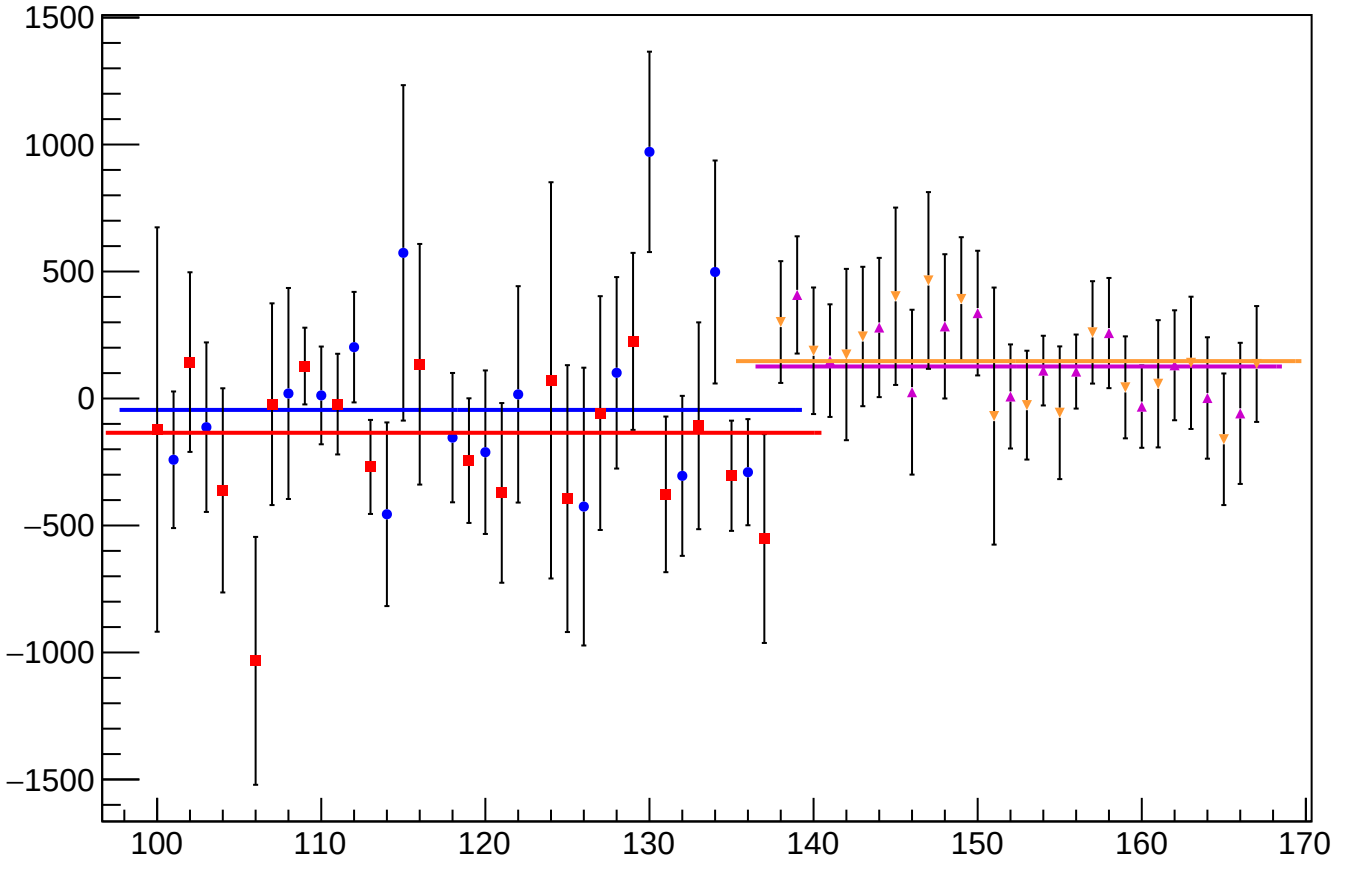
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1561654.7/29

Out: 0.000+/-0.000 χ^2/NDF:1072241.2/34

All: 0.000+/-0.000 χ^2/NDF: 2635558.8/64

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 147.177+/-64.090 χ^2/NDF:6.5/15

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 126.057+/-55.389 χ^2/NDF:5.3/13

Left: 135.088+/-41.907 χ^2/NDF: 11.9/29

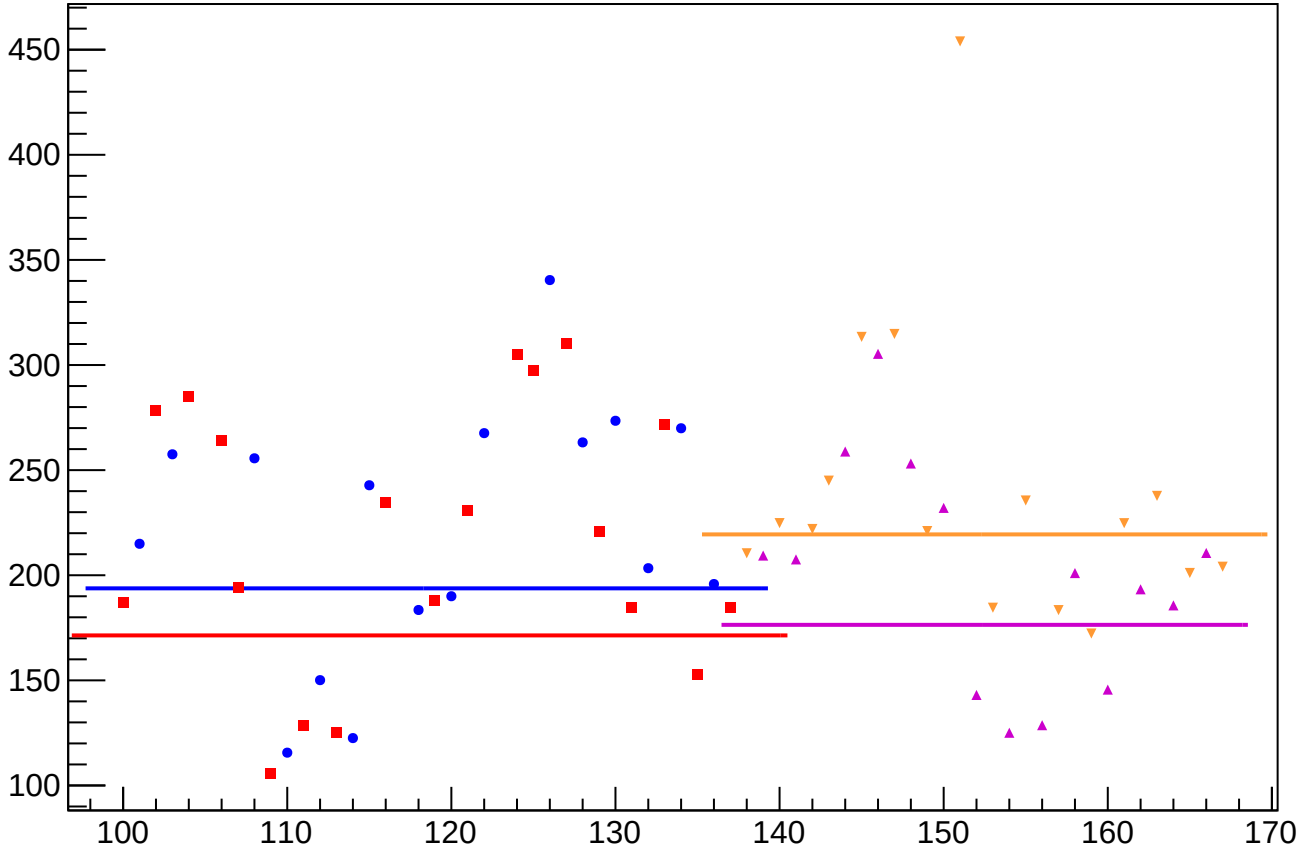
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 66.948+/-44.803 χ^2/NDF:24.1/29

Out: 14.565+/-46.659 χ^2/NDF:28.5/34

All: 41.819+/-32.317 χ^2/NDF: 53.3/64

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 219.432+/-0.045 χ^2/NDF:1010241.1/15

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 176.407+/-0.039 χ^2/NDF:1515961.3/13

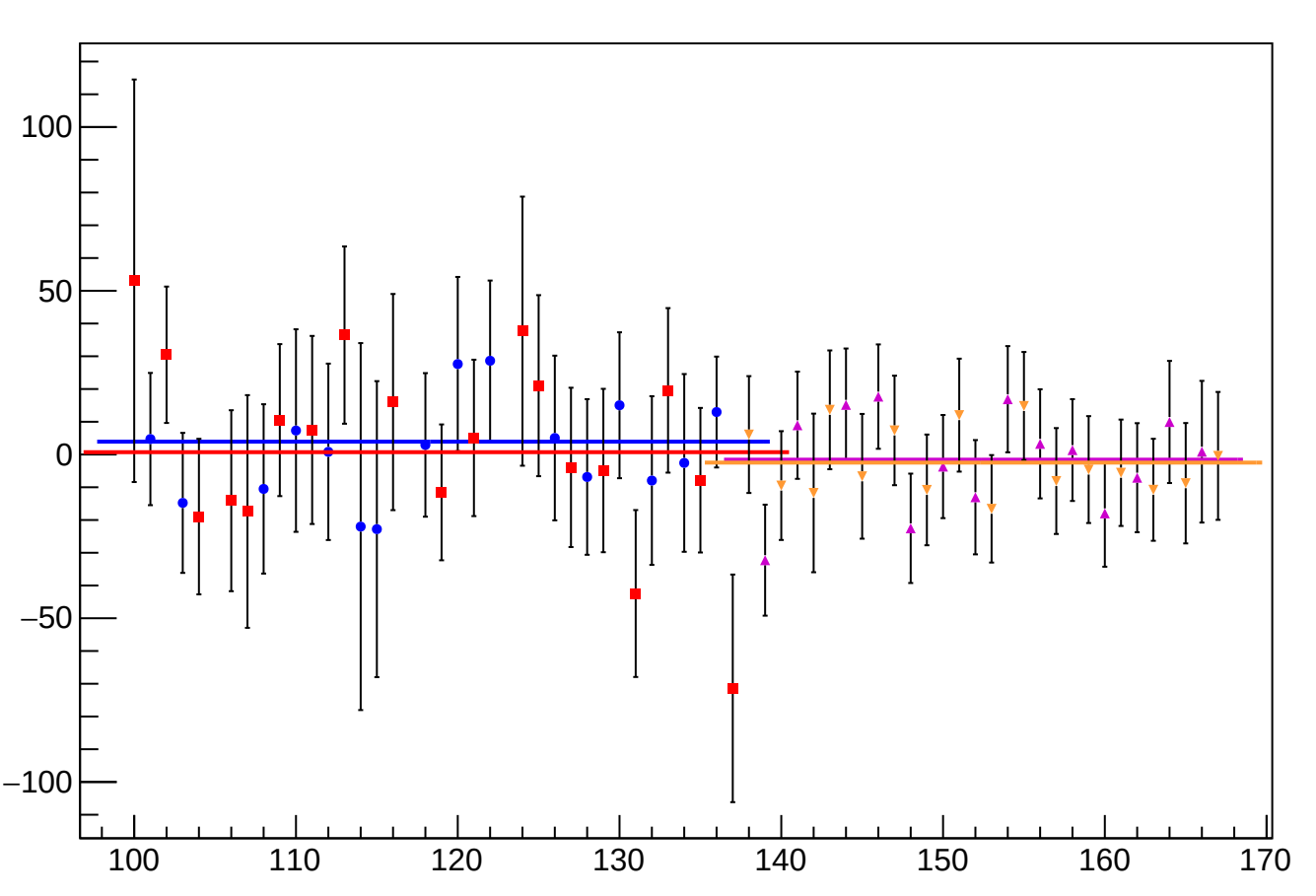
Left: 194.803+/-0.030 χ^2/NDF: 3042162.0/29

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 182.409+/-0.032 χ^2/NDF:2631982.8/29

Out: 196.850+/-0.033 χ^2/NDF:3196651.8/34

All: 189.336+/-0.023 χ^2/NDF: 5928307.7/64



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.468+/-4.337 χ^2/NDF:5.1/15

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -1.576+/-4.501 χ^2/NDF:11.1/13

Left: -2.039+/-3.123 χ^2/NDF: 16.2/29

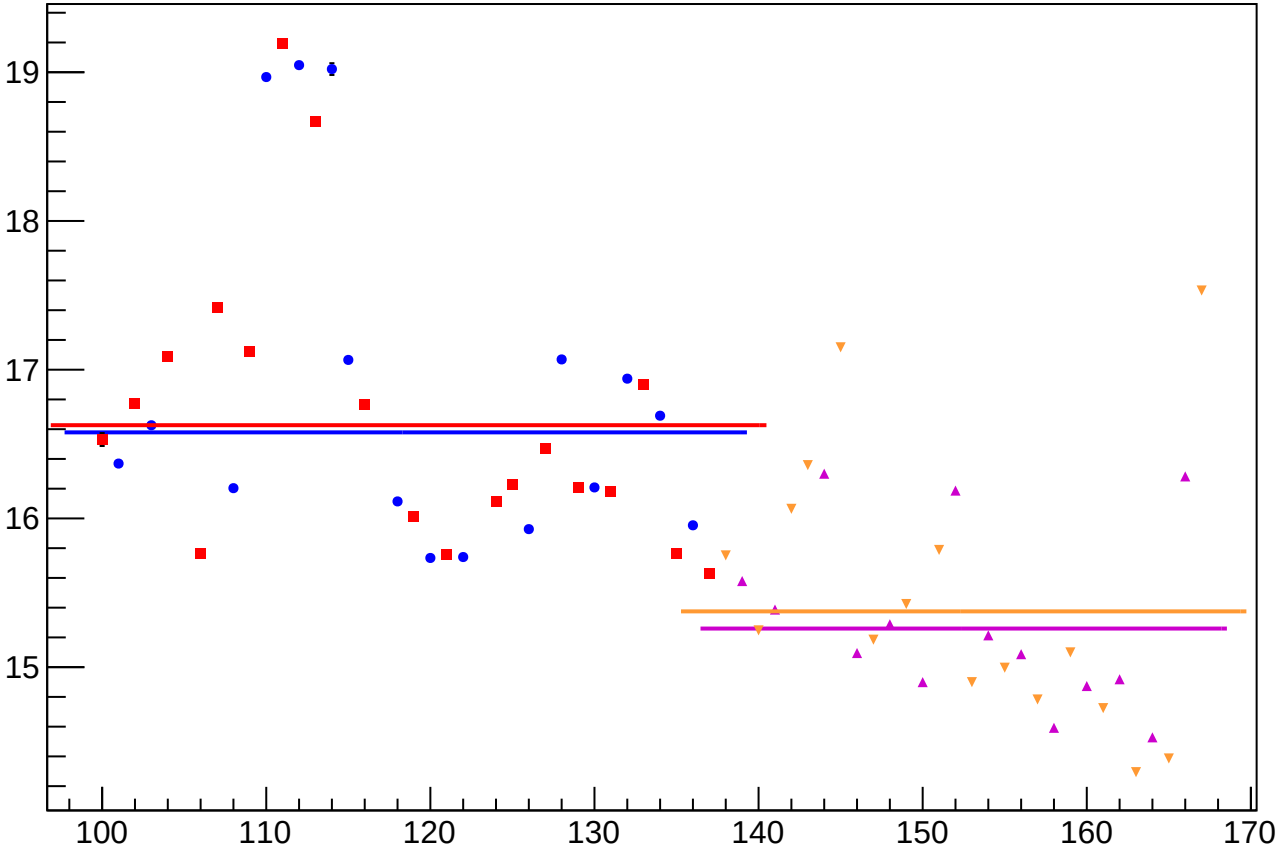
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 0.333+/-3.637 χ^2/NDF:16.1/29

Out: -1.394+/-3.530 χ^2/NDF:21.2/34

All: -0.556+/-2.533 χ^2/NDF: 37.4/64

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.375+/-0.003 χ^2/NDF:76339.5/15

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.260+/-0.003 χ^2/NDF:28501.8/13

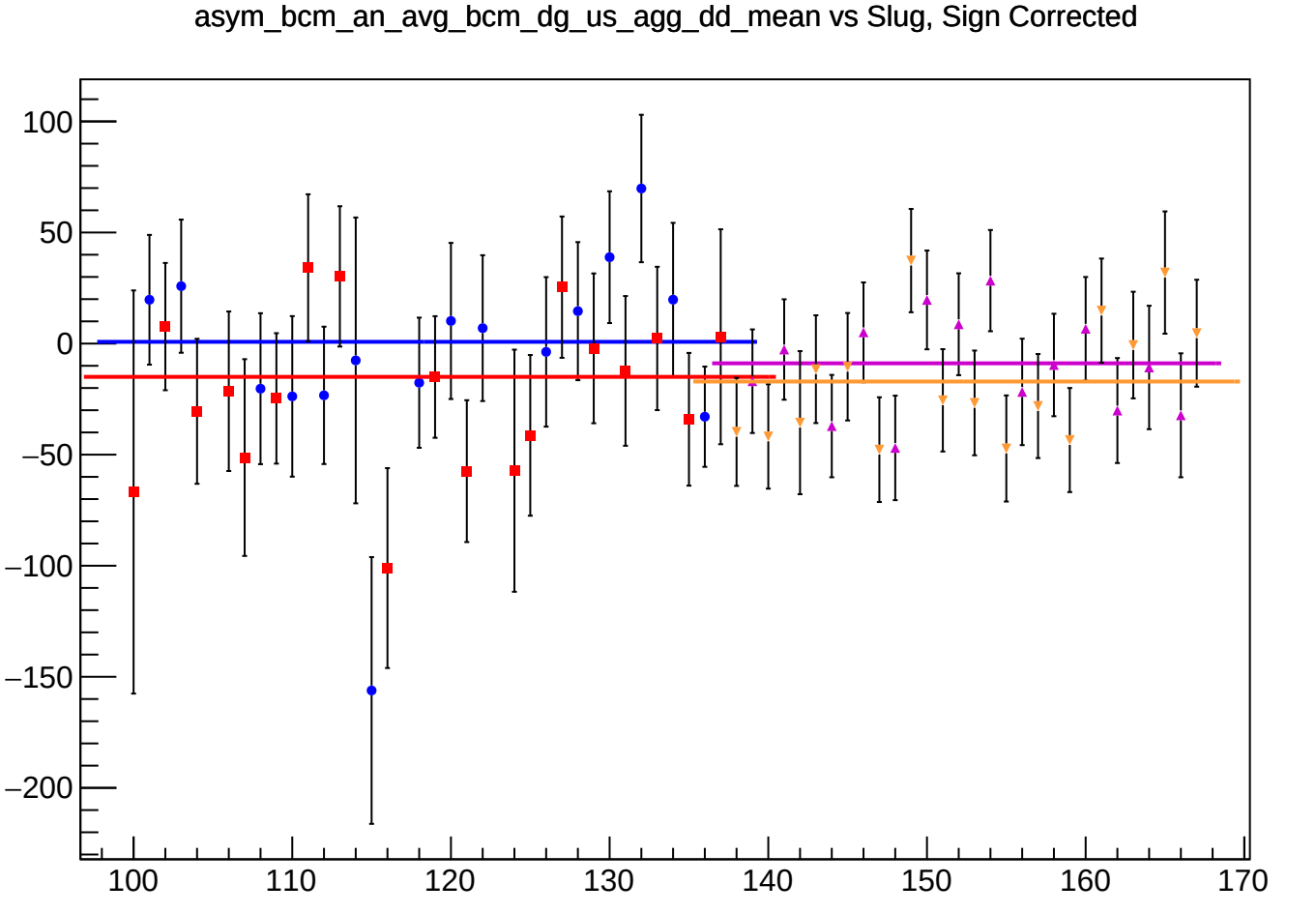
Left: 15.319+/-0.002 χ^2/NDF: 105524.1/29

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

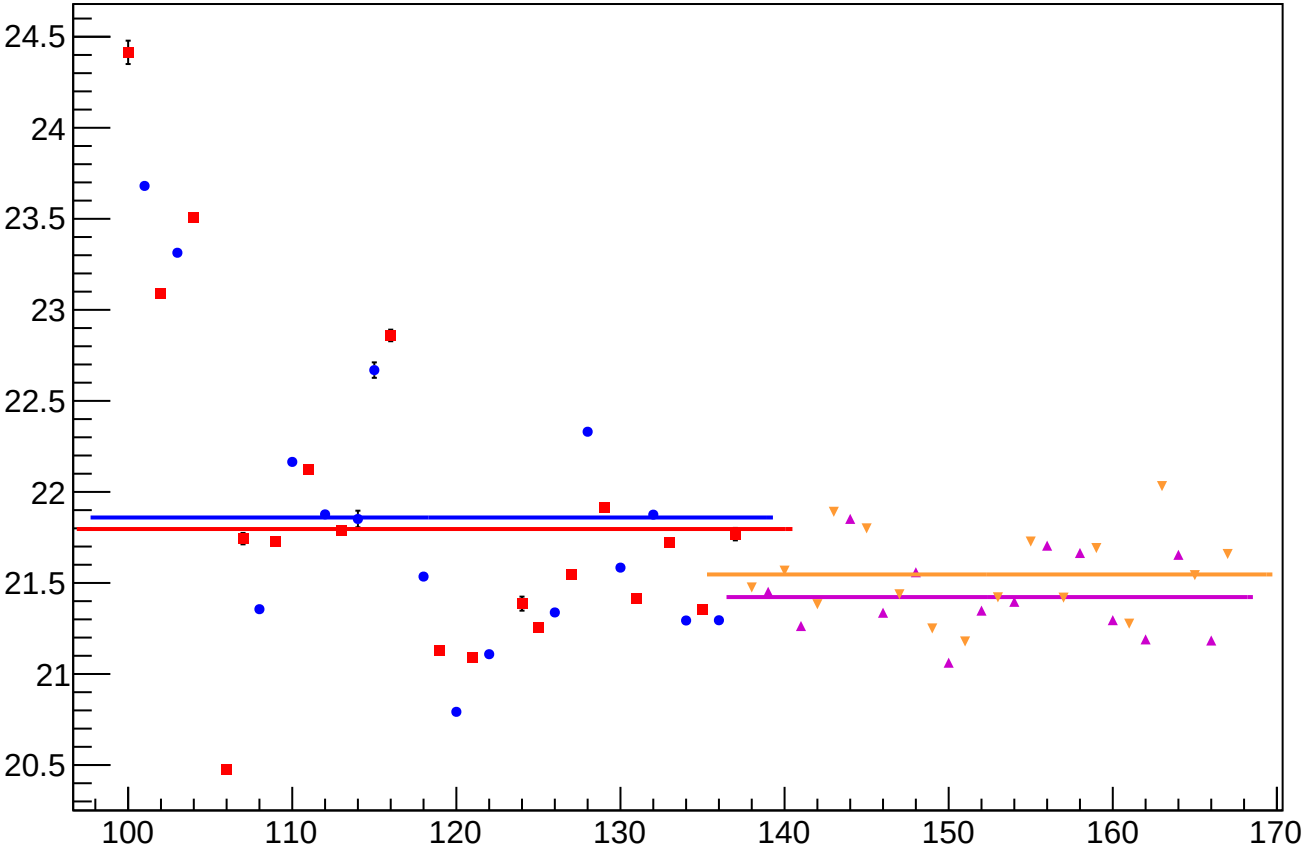
In: 15.718+/-0.003 χ^2/NDF:132715.7/29

Out: 15.797+/-0.002 χ^2/NDF:176035.4/34

All: 15.759+/-0.002 χ^2/NDF: 309248.8/64


asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: 0.790+/-8.125 χ²/NDF: 18.7/15
Left Out: -17.082+/-6.063 χ²/NDF:19.3/15
Right Out: -14.981+/-7.953 χ²/NDF: 15.4/18
Left In: -8.887+/-6.305 χ²/NDF:11.9/13
Left: -13.145+/-4.370 χ²/NDF: 32.0/29
Right: -7.264+/-5.683 χ²/NDF: 36.0/34
In: -5.249+/-4.981 χ²/NDF:31.4/29
Out: -16.310+/-4.822 χ²/NDF:34.7/34
All: -10.960+/-3.464 χ²/NDF: 68.7/64

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.547+/-0.004 χ^2/NDF:3004.4/15

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.422+/-0.004 χ^2/NDF:2479.4/13

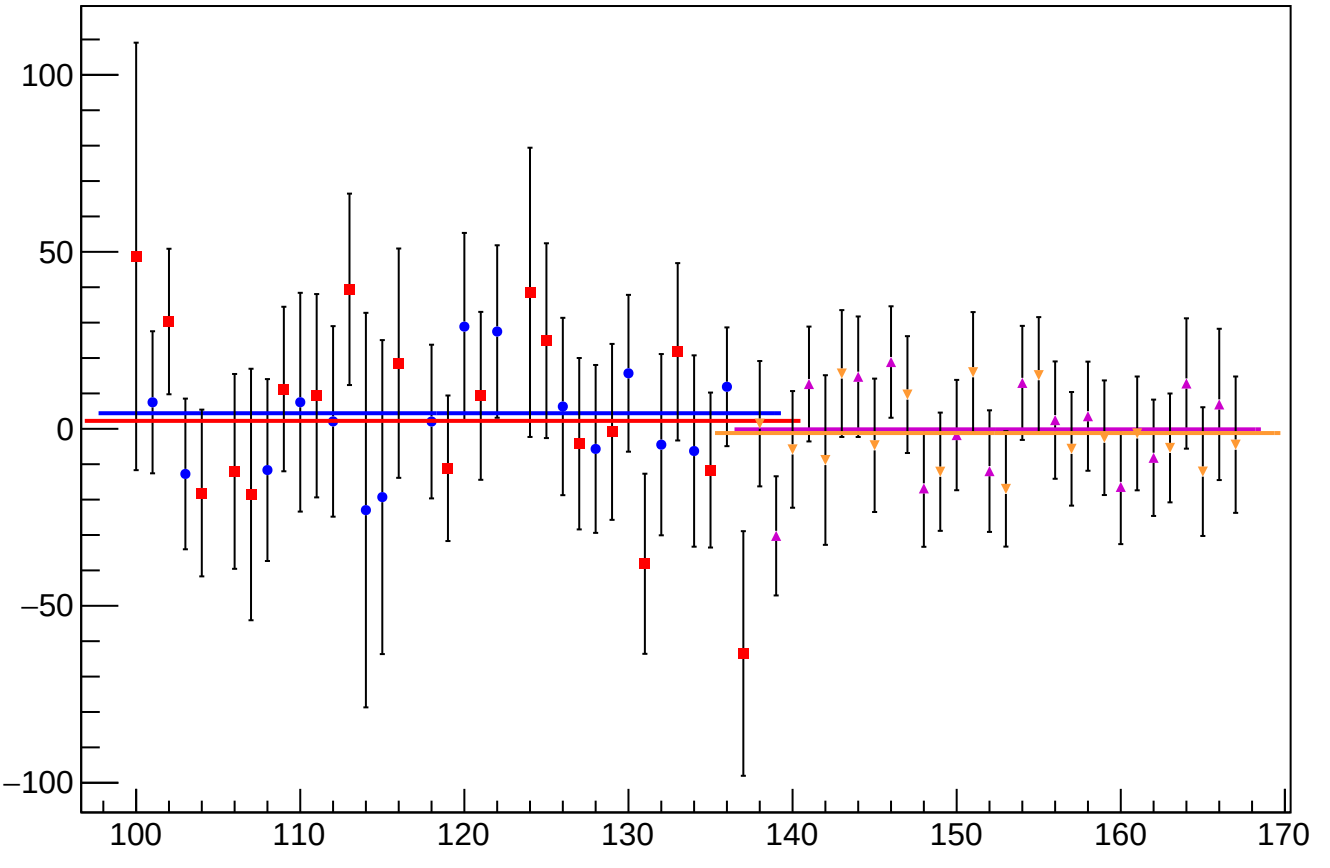
Left: 21.487+/-0.003 χ^2/NDF: 5887.4/29

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.587+/-0.004 χ^2/NDF:25560.0/29

Out: 21.638+/-0.003 χ^2/NDF:23110.7/34

All: 21.613+/-0.002 χ^2/NDF: 48781.7/64



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -1.196+/-4.294 χ^2/NDF:5.5/15

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.149+/-4.456 χ^2/NDF:10.1/13

Left: -0.692+/-3.092 χ^2/NDF: 15.6/29

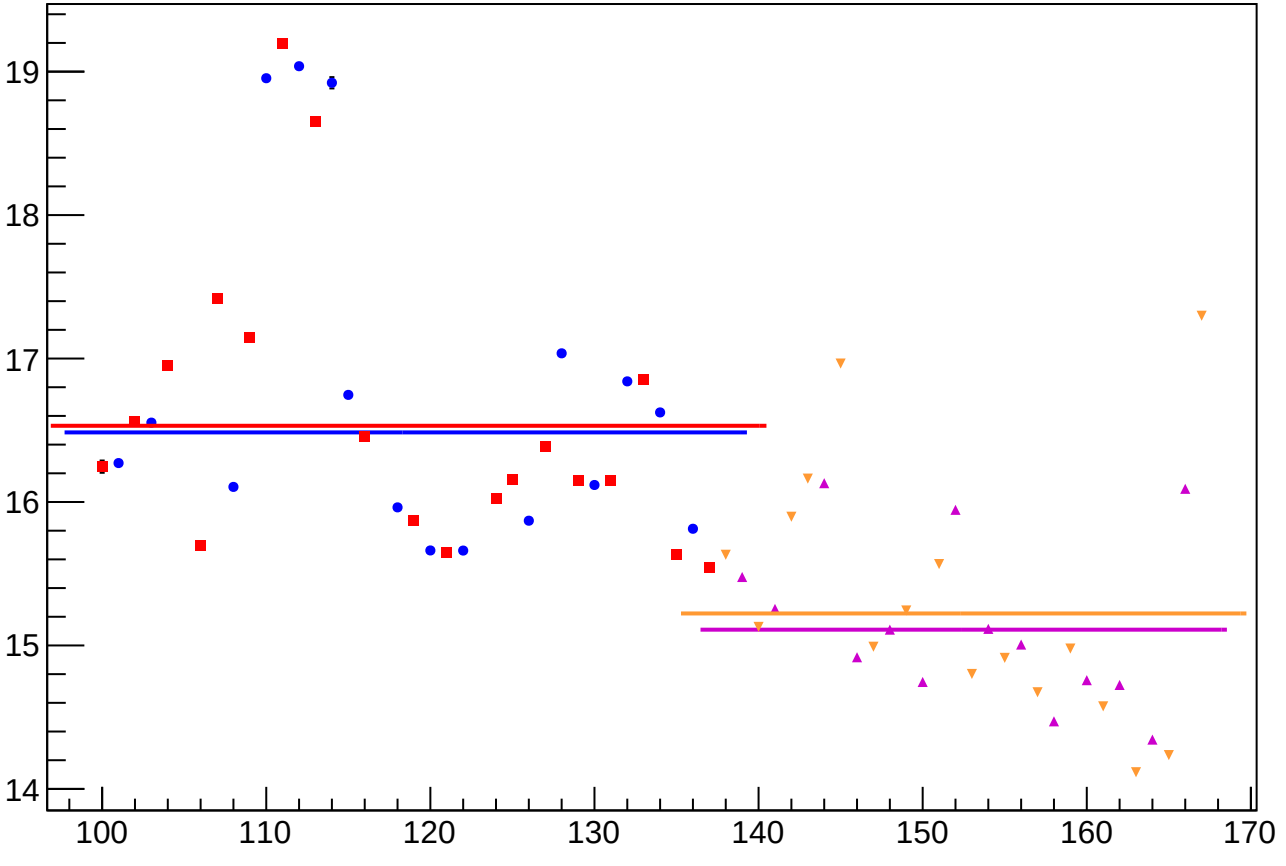
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 1.423+/-3.606 χ^2/NDF:14.8/29

Out: -0.042+/-3.500 χ^2/NDF:21.1/34

All: 0.669+/-2.511 χ^2/NDF: 36.0/64

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.223+/-0.003 χ^2/NDF:74092.5/15

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.110+/-0.003 χ^2/NDF:27678.0/13

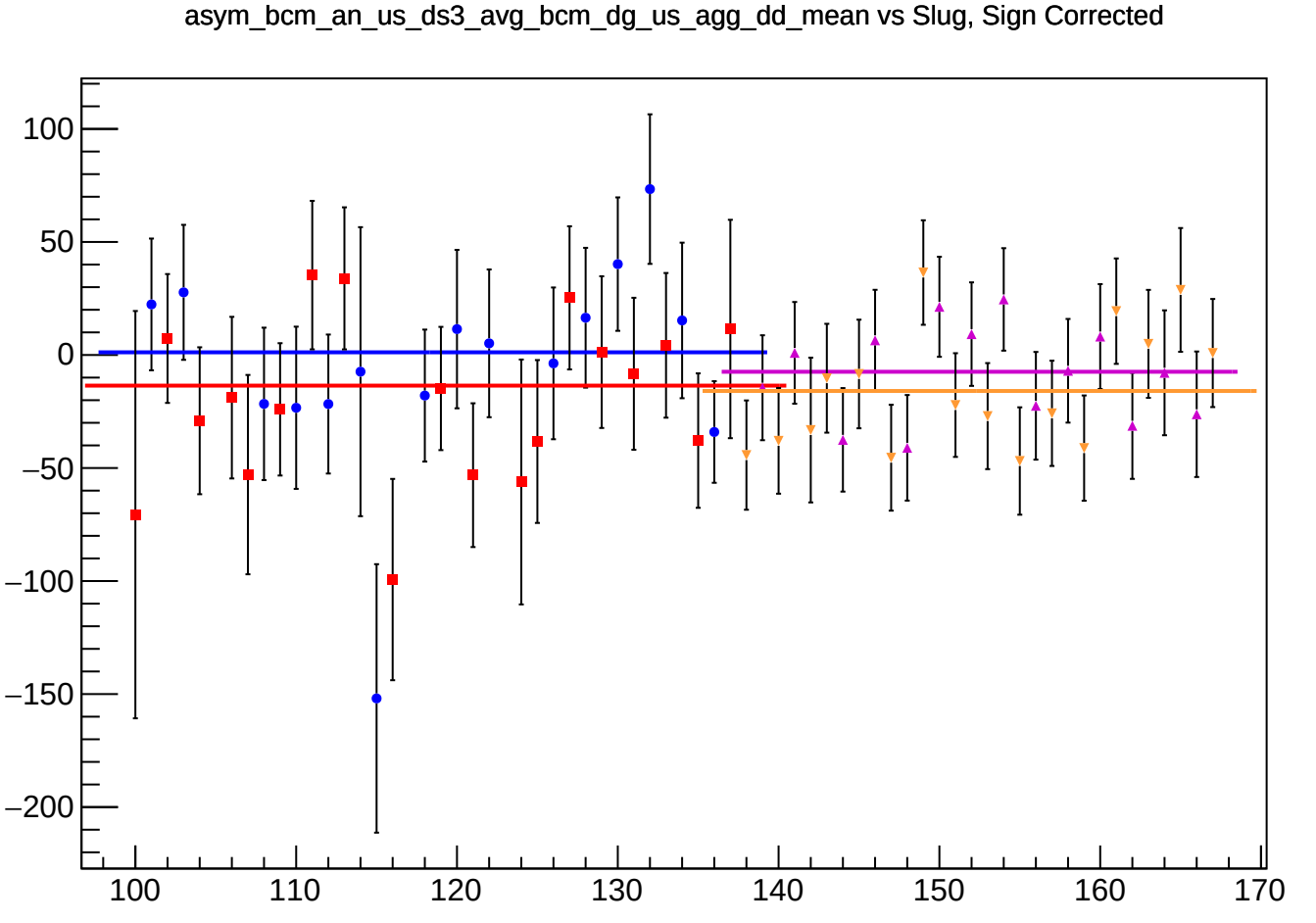
Left: 15.169+/-0.002 χ^2/NDF: 102437.7/29

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

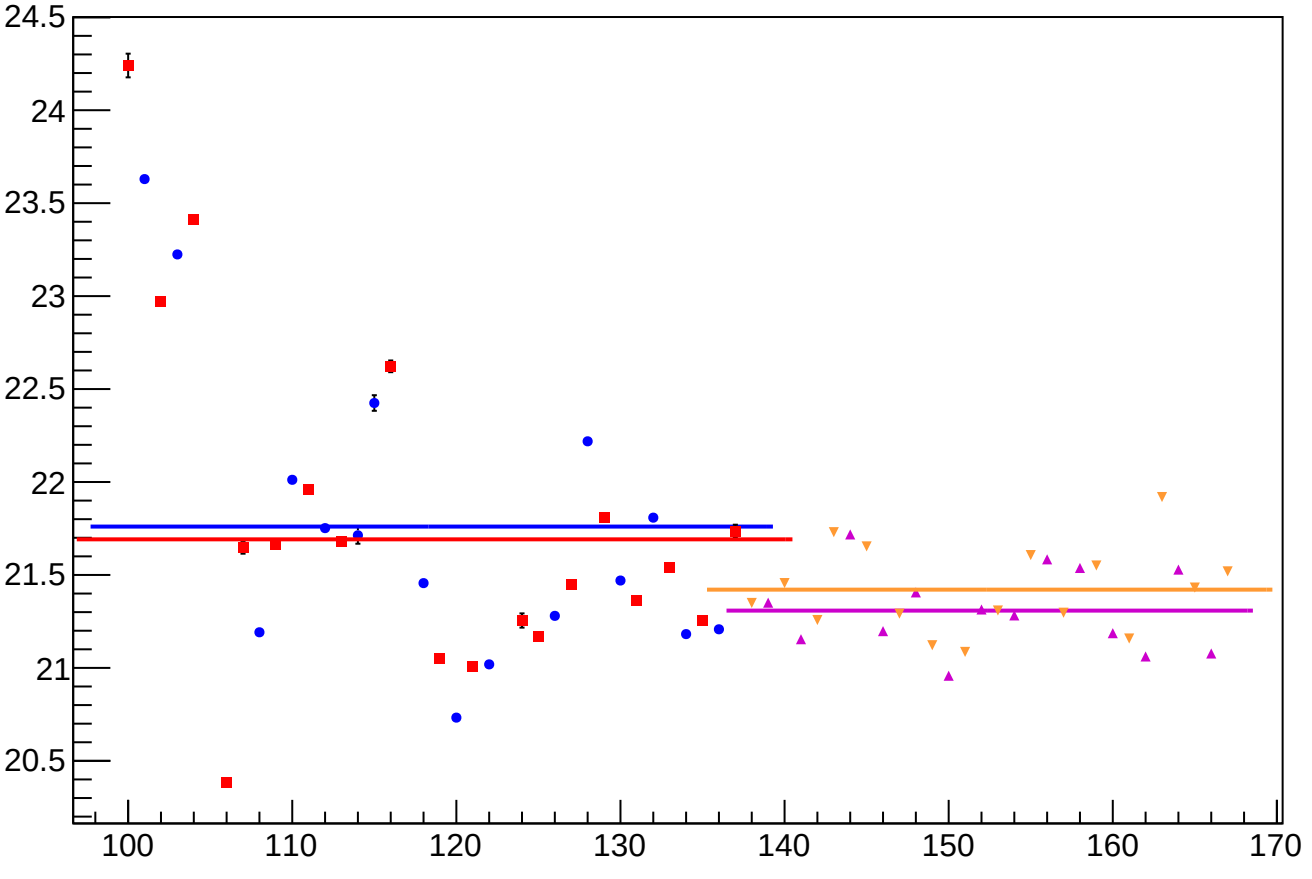
In: 15.585+/-0.003 χ^2/NDF:140609.6/29

Out: 15.662+/-0.002 χ^2/NDF:182869.3/34

All: 15.624+/-0.002 χ^2/NDF: 323951.3/64


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -15.925+/-6.027 χ²/NDF:19.0/15
Right Out: -13.549+/-7.915 χ²/NDF: 15.9/18
Left In: -7.421+/-6.272 χ²/NDF:11.0/13
Left: -11.842+/-4.346 χ²/NDF: 30.9/29
Right: -6.341+/-5.657 χ²/NDF: 37.0/34
In: -4.189+/-4.956 χ²/NDF:31.1/29
Out: -15.053+/-4.795 χ²/NDF:35.0/34
All: -9.801+/-3.446 χ²/NDF: 68.6/64

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.421+/-0.004 χ^2/NDF:2859.6/15

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.308+/-0.004 χ^2/NDF:2339.1/13

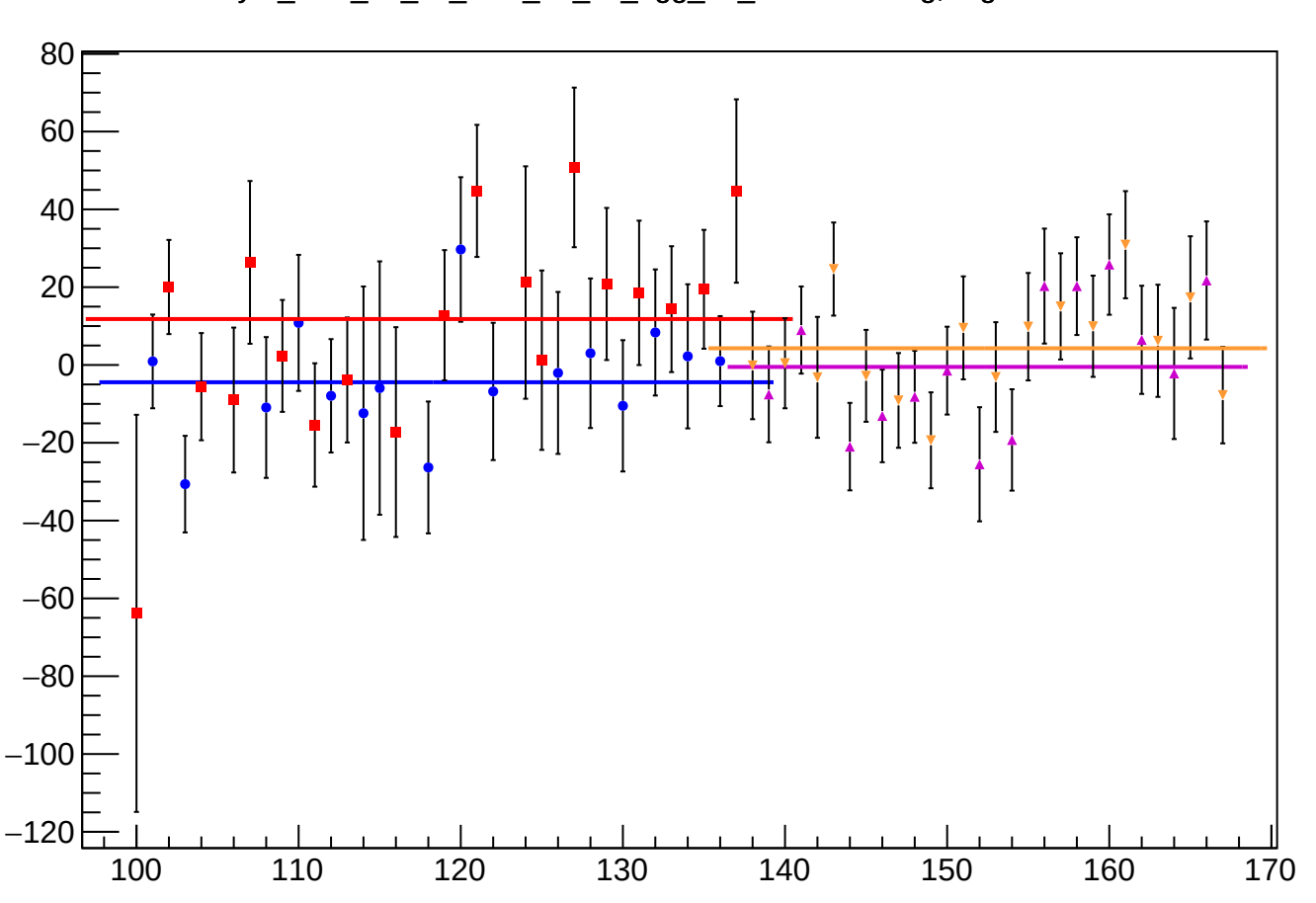
Left: 21.367+/-0.003 χ^2/NDF: 5534.9/29

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.478+/-0.004 χ^2/NDF:25986.6/29

Out: 21.520+/-0.003 χ^2/NDF:22669.7/34

All: 21.500+/-0.002 χ^2/NDF: 48731.7/64



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 4.296+/-3.293 χ^2/NDF:15.4/15

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -0.499+/-3.430 χ^2/NDF:22.2/13

Left: 1.996+/-2.375 χ^2/NDF: 38.6/29

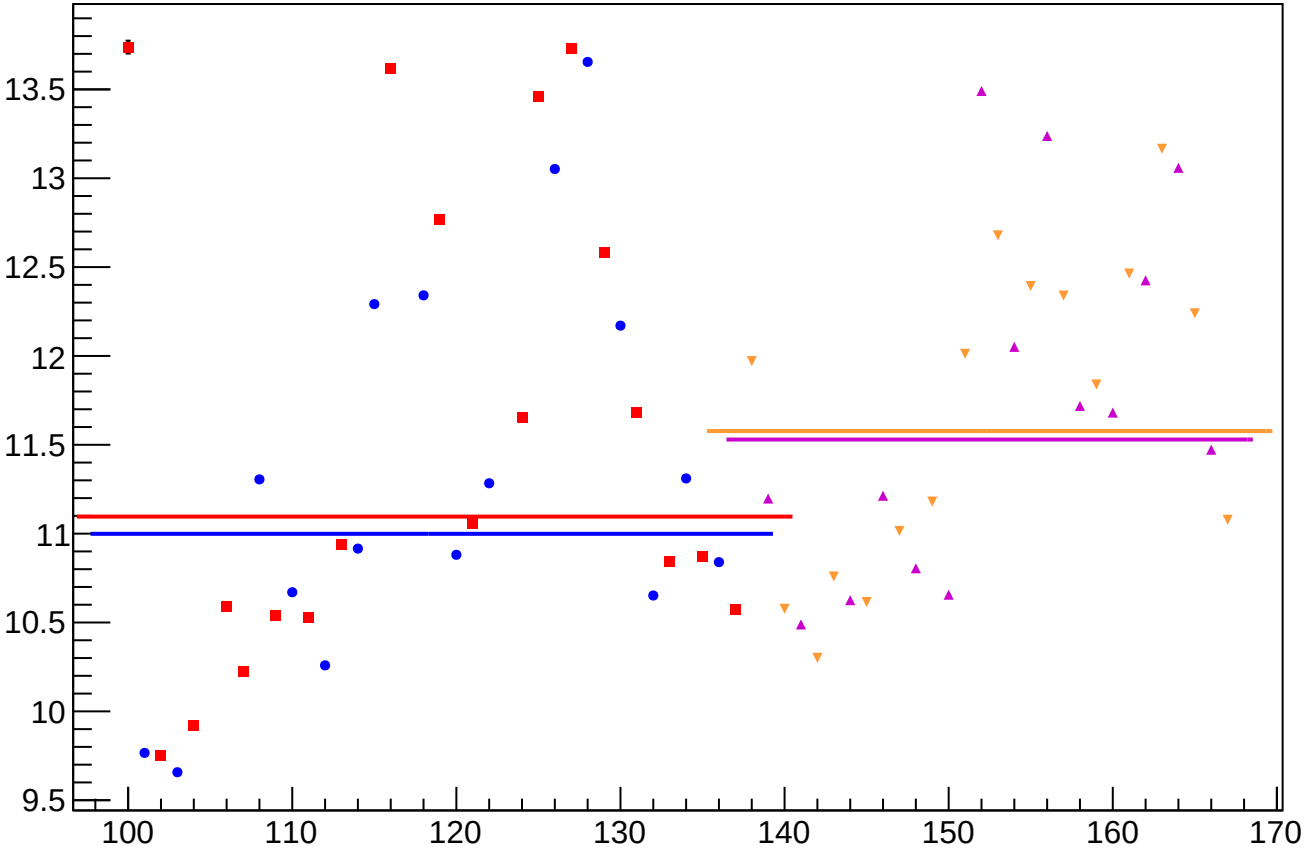
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.107+/-2.639 χ^2/NDF:34.7/29

Out: 7.244+/-2.567 χ^2/NDF:39.2/34

All: 2.697+/-1.840 χ^2/NDF: 80.3/64

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.577+/-0.002 χ^2/NDF:126753.8/15

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.530+/-0.002 χ^2/NDF:143749.9/13

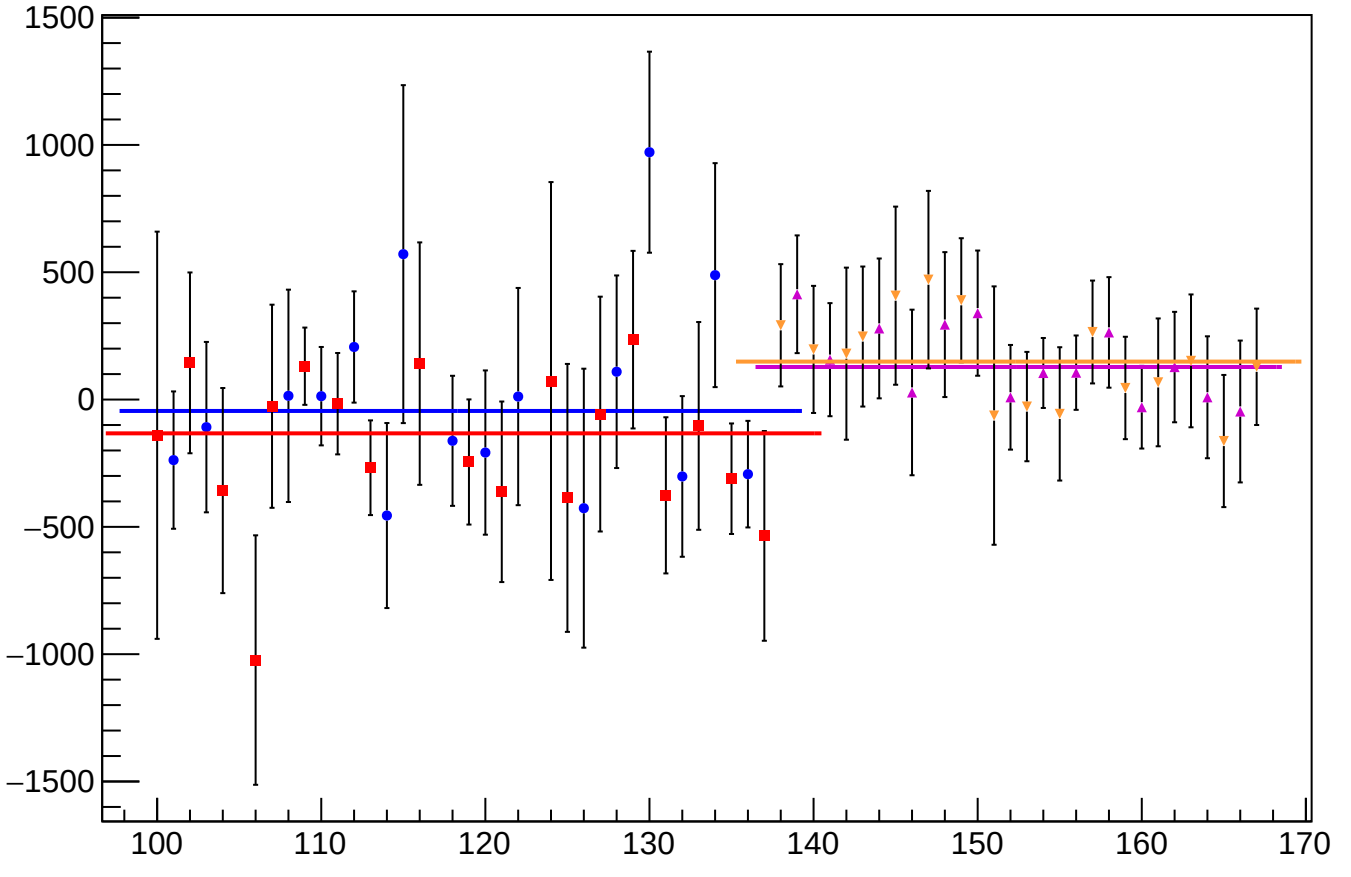
Left: 11.554+/-0.002 χ^2/NDF: 270704.1/29

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.313+/-0.002 χ^2/NDF:299444.9/29

Out: 11.388+/-0.002 χ^2/NDF:306428.8/34

All: 11.352+/-0.001 χ^2/NDF: 606708.7/64



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 149.062+/-64.207 χ^2/NDF:6.5/15

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 127.863+/-55.479 χ^2/NDF:5.4/13

Left: 136.925+/-41.979 χ^2/NDF: 12.0/29

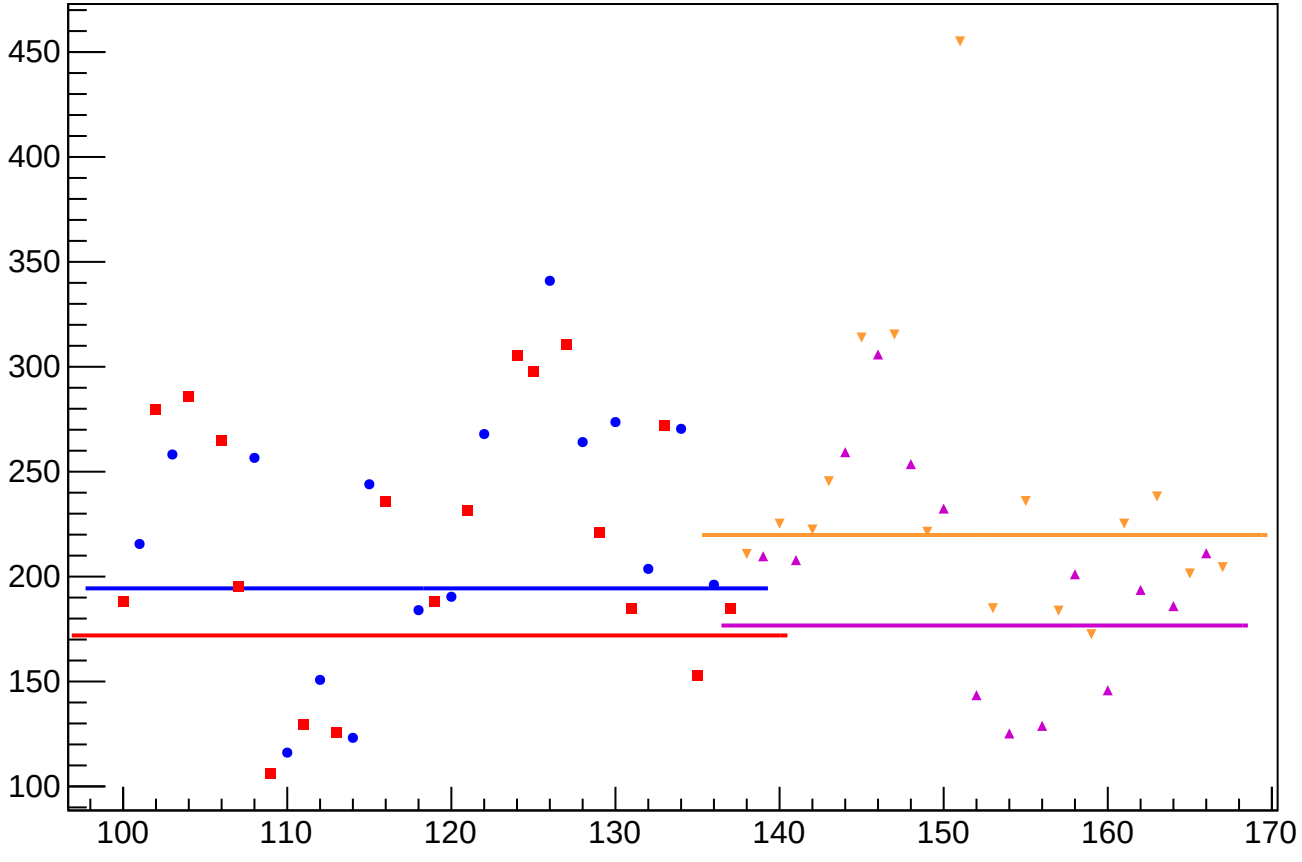
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 68.275+/-44.896 χ^2/NDF:24.2/29

Out: 16.800+/-46.771 χ^2/NDF:28.4/34

All: 43.590+/-32.389 χ^2/NDF: 53.2/64

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 219.828+/-0.045 χ^2/NDF:1010886.2/15

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 176.690+/-0.039 χ^2/NDF:1516345.9/13

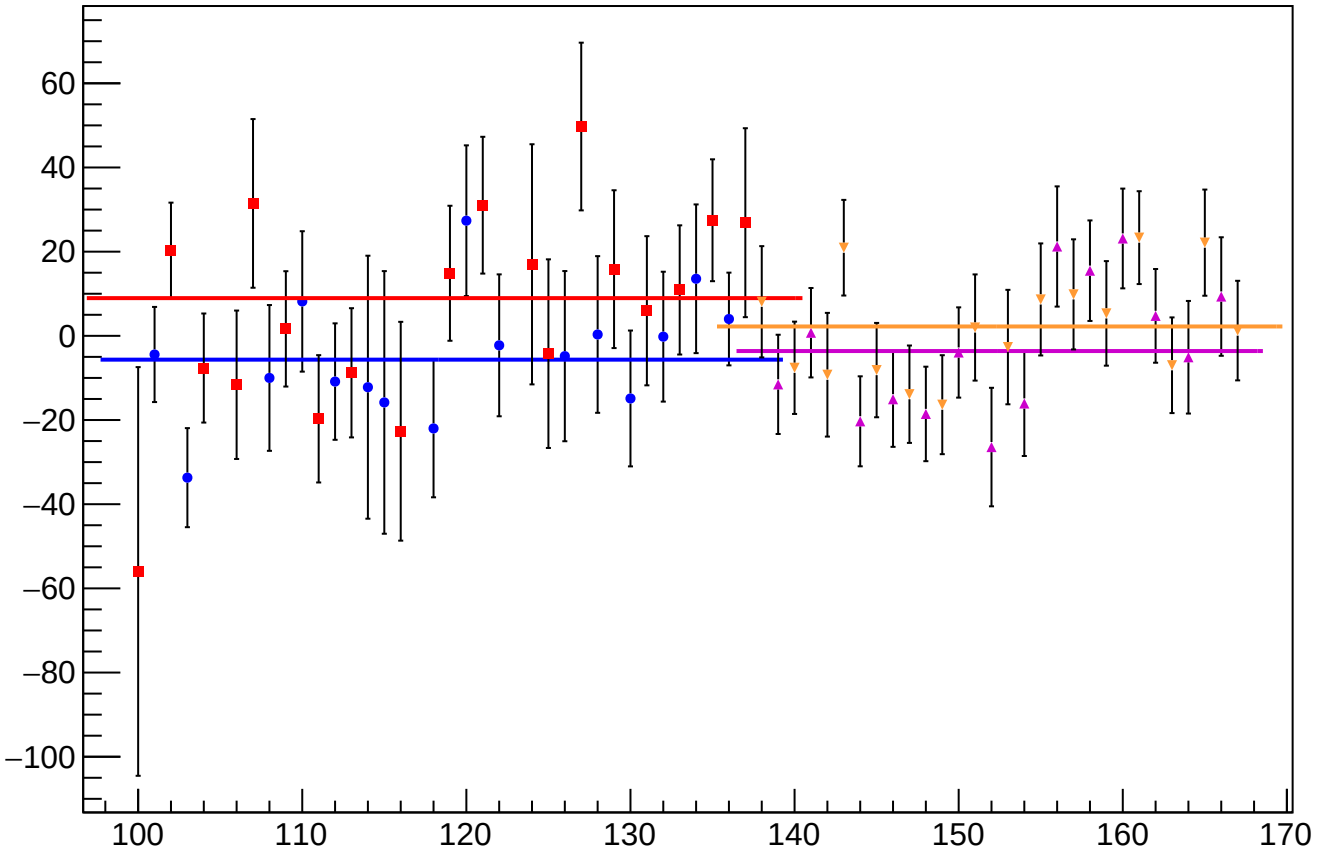
Left: 195.130+/-0.030 χ^2/NDF: 3044109.5/29

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.797+/-0.032 χ^2/NDF:2628585.4/29

Out: 197.355+/-0.033 χ^2/NDF:3184229.4/34

All: 189.779+/-0.023 χ^2/NDF: 5913663.4/64



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.225+/-3.041 χ^2/NDF:17.2/15

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.612+/-3.187 χ^2/NDF:21.6/13

Left: -0.556+/-2.200 χ^2/NDF: 40.5/29

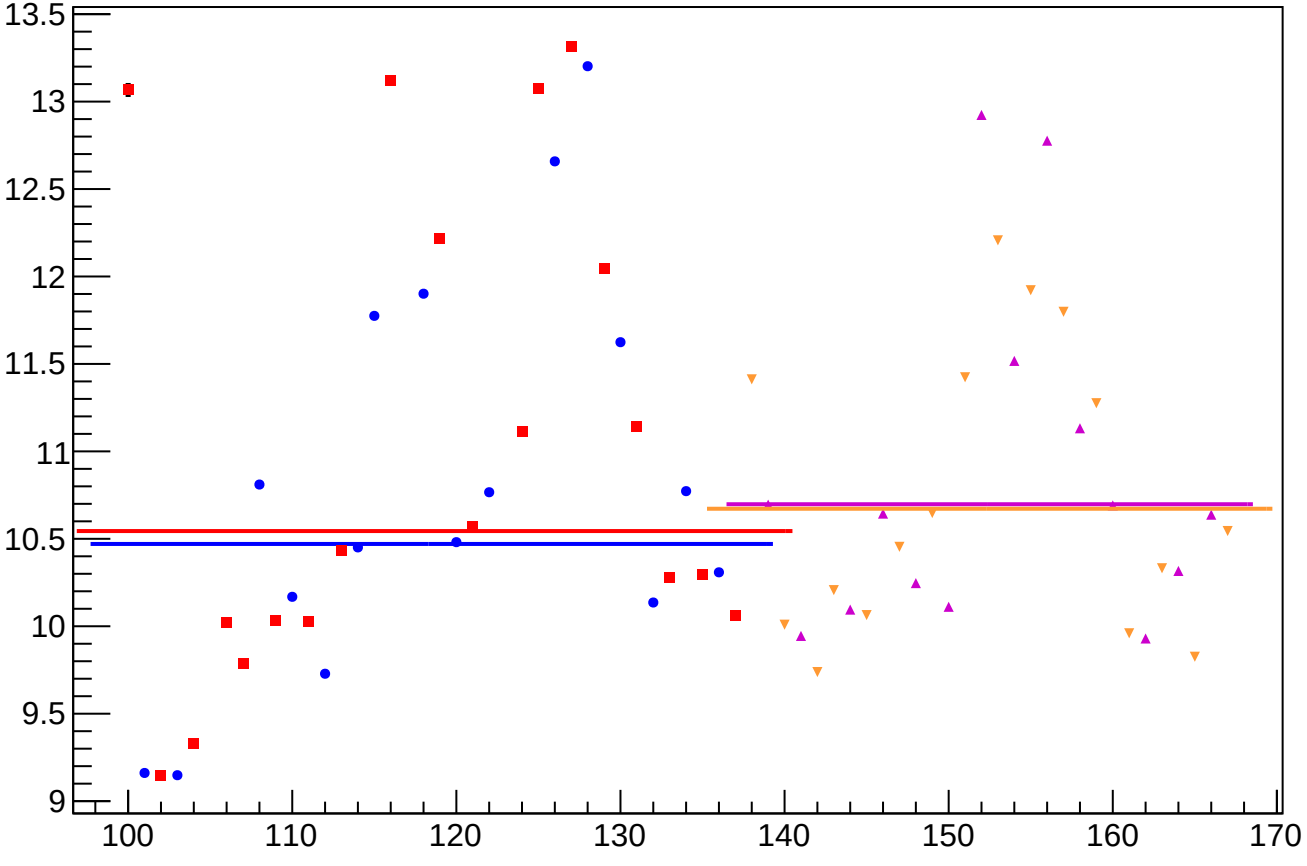
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.421+/-2.478 χ^2/NDF:35.4/29

Out: 4.771+/-2.398 χ^2/NDF:41.8/34

All: 0.325+/-1.723 χ^2/NDF: 84.4/64

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.672+/-0.002 χ^2/NDF:120741.0/15

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.698+/-0.002 χ^2/NDF:140451.4/13

Left: 10.684+/-0.002 χ^2/NDF: 261260.9/29

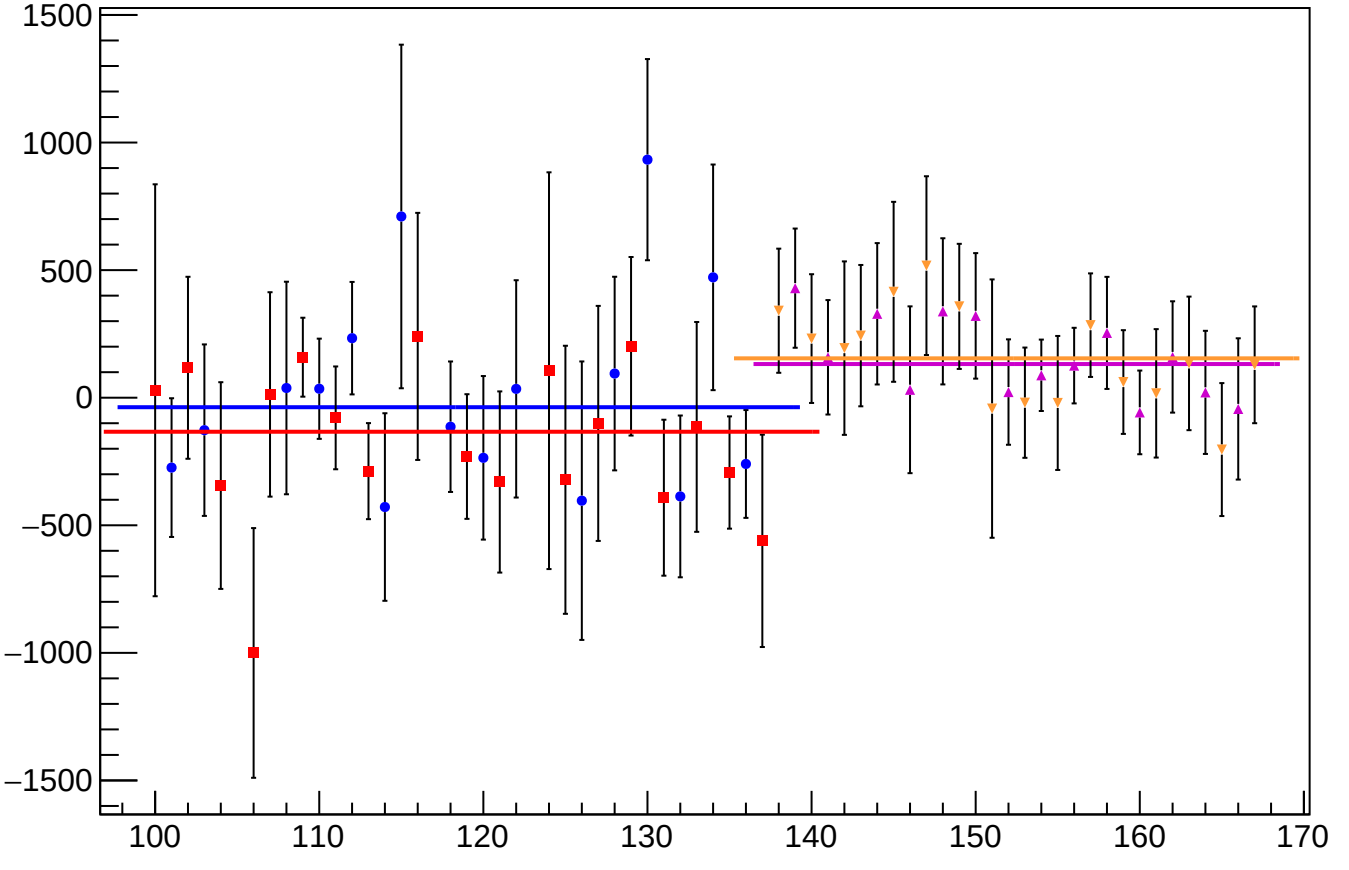
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.608+/-0.002 χ^2/NDF:301835.6/29

Out: 10.624+/-0.002 χ^2/NDF:308852.1/34

All: 10.616+/-0.001 χ^2/NDF: 610730.0/64

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 154.270+/-64.595 χ^2/NDF:7.2/15

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 131.923+/-56.028 χ^2/NDF:6.0/13

Left: 141.517+/-42.325 χ^2/NDF: 13.2/29

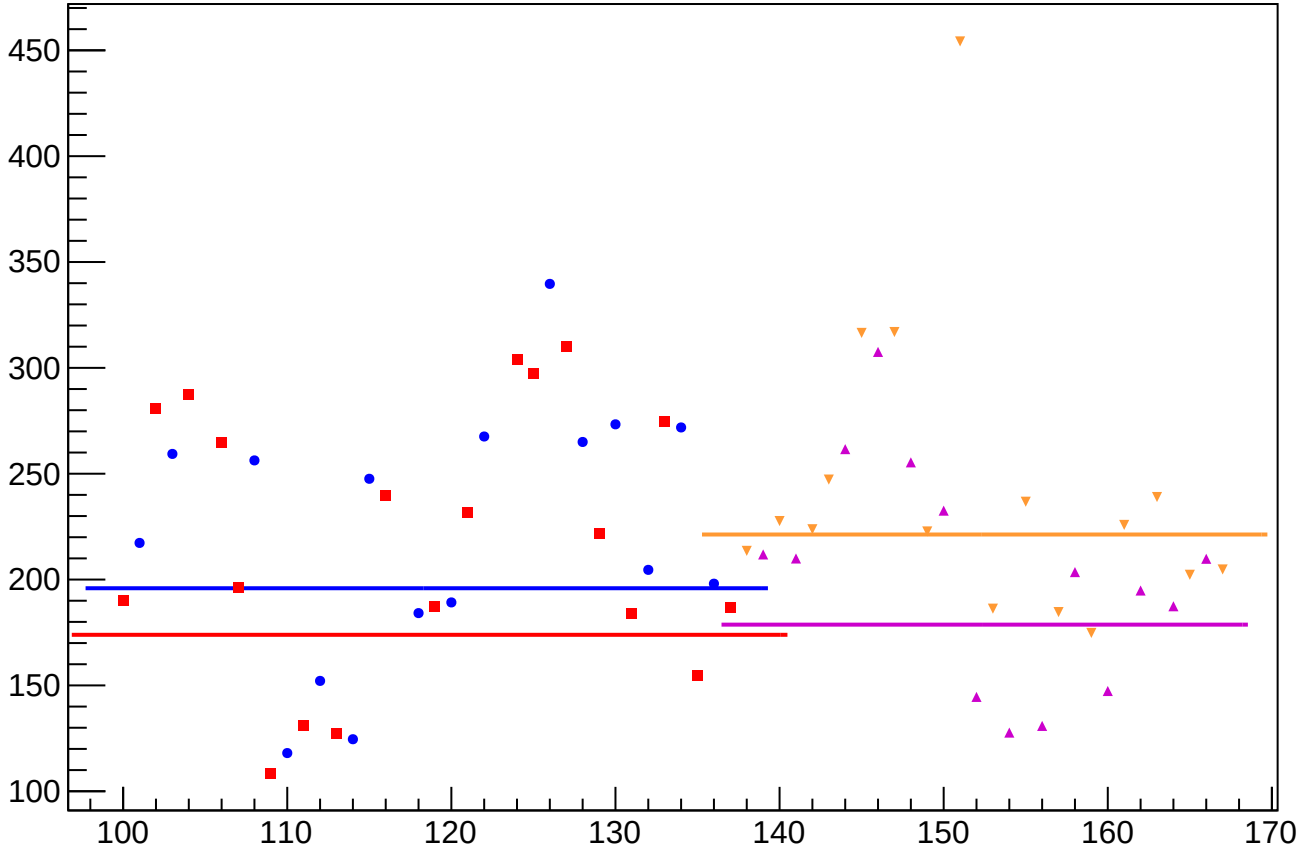
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 73.278+/-45.287 χ^2/NDF:24.8/29

Out: 19.678+/-47.119 χ^2/NDF:29.3/34

All: 47.540+/-32.651 χ^2/NDF: 54.8/64

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 221.284+/-0.046 χ^2/NDF:999553.1/15

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 178.704+/-0.040 χ^2/NDF:1474270.2/13

Left: 196.985+/-0.030 χ^2/NDF: 2969743.6/29

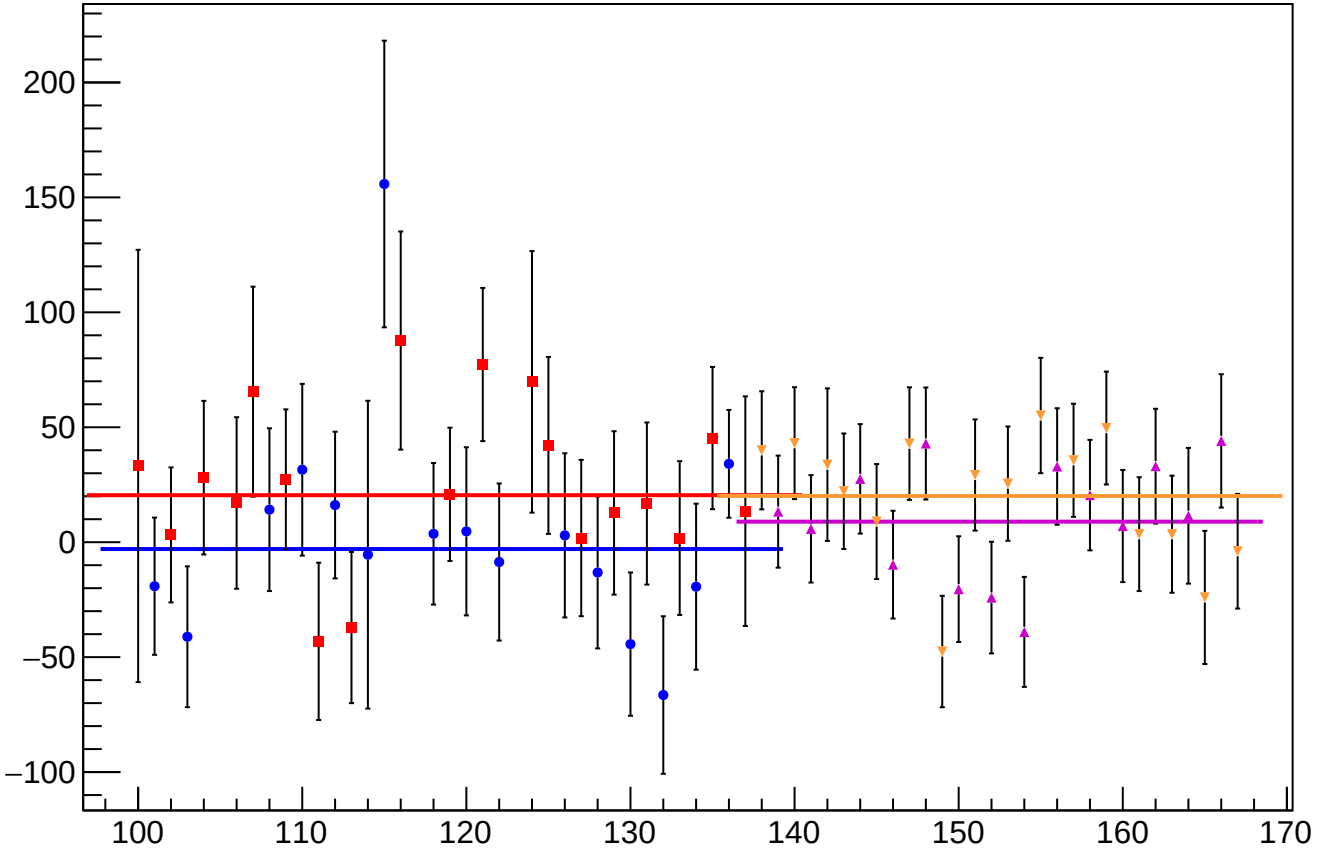
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 184.665+/-0.032 χ^2/NDF:2550590.3/29

Out: 199.114+/-0.033 χ^2/NDF:3102668.8/34

All: 191.603+/-0.023 χ^2/NDF: 5751012.3/64

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 20.110+/-6.342 χ^2/NDF:18.6/15

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 8.934+/-6.590 χ^2/NDF:14.3/13

Left: 14.736+/-4.570 χ^2/NDF: 34.4/29

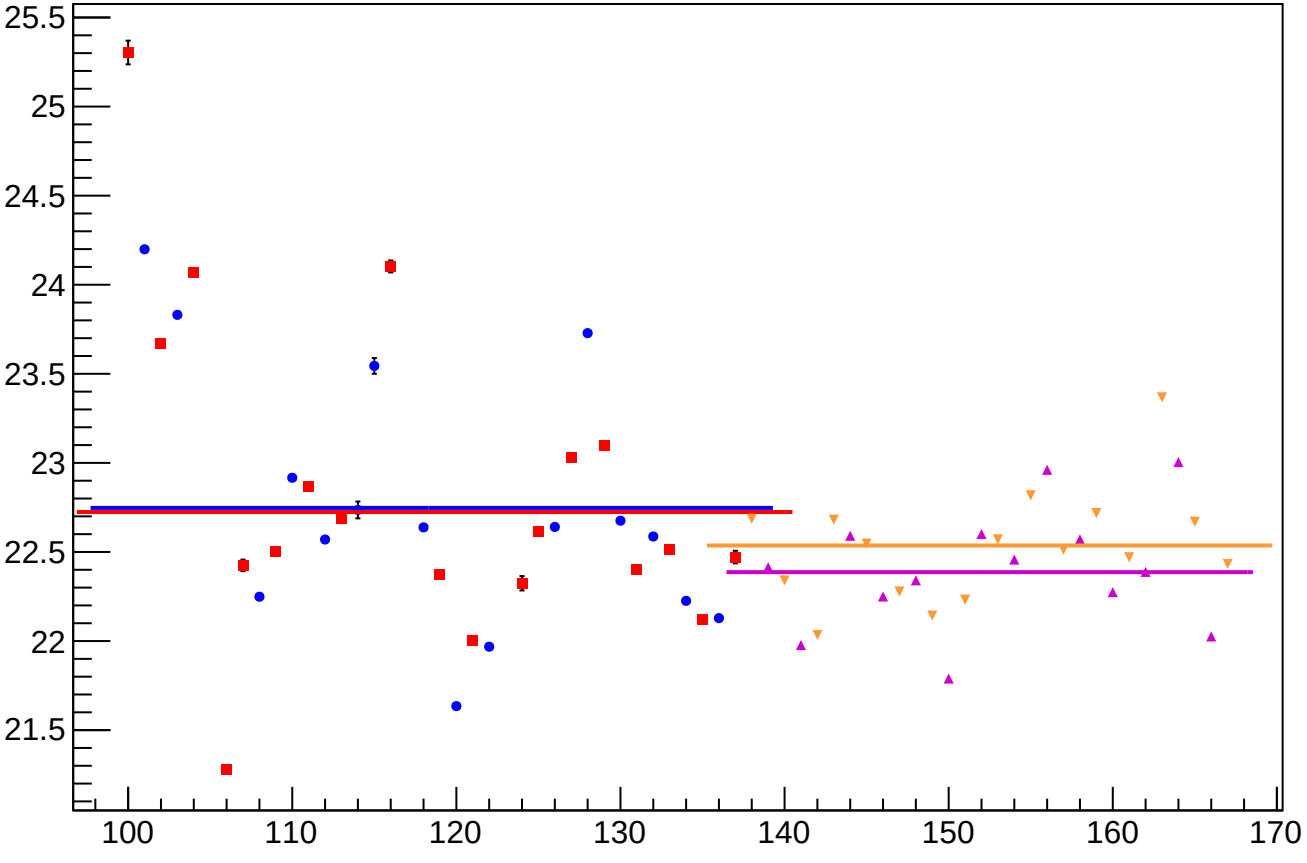
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.435+/-5.198 χ^2/NDF:33.4/29

Out: 20.238+/-5.038 χ^2/NDF:33.9/34

All: 12.584+/-3.617 χ^2/NDF: 72.1/64

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.536+/-0.004 χ^2/NDF:4379.4/15

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.387+/-0.005 χ^2/NDF:4733.0/13

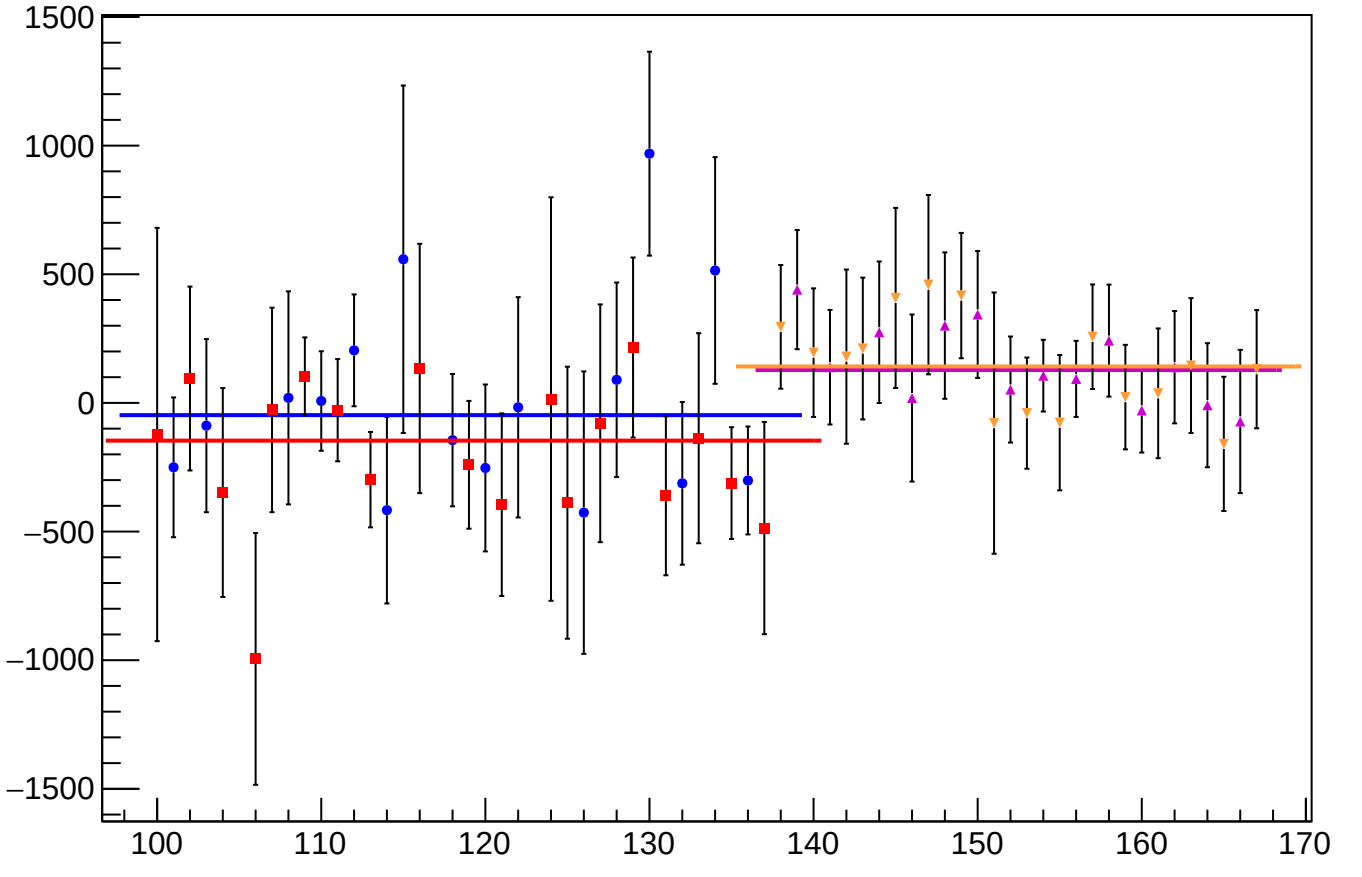
Left: 22.464+/-0.003 χ^2/NDF: 9647.6/29

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.523+/-0.004 χ^2/NDF:21620.7/29

Out: 22.606+/-0.004 χ^2/NDF:19517.9/34

All: 22.566+/-0.003 χ^2/NDF: 41399.2/64



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 141.682+/-64.472 χ^2/NDF:7.0/15

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 127.929+/-55.868 χ^2/NDF:5.6/13

Left: 133.827+/-42.221 χ^2/NDF: 12.6/29

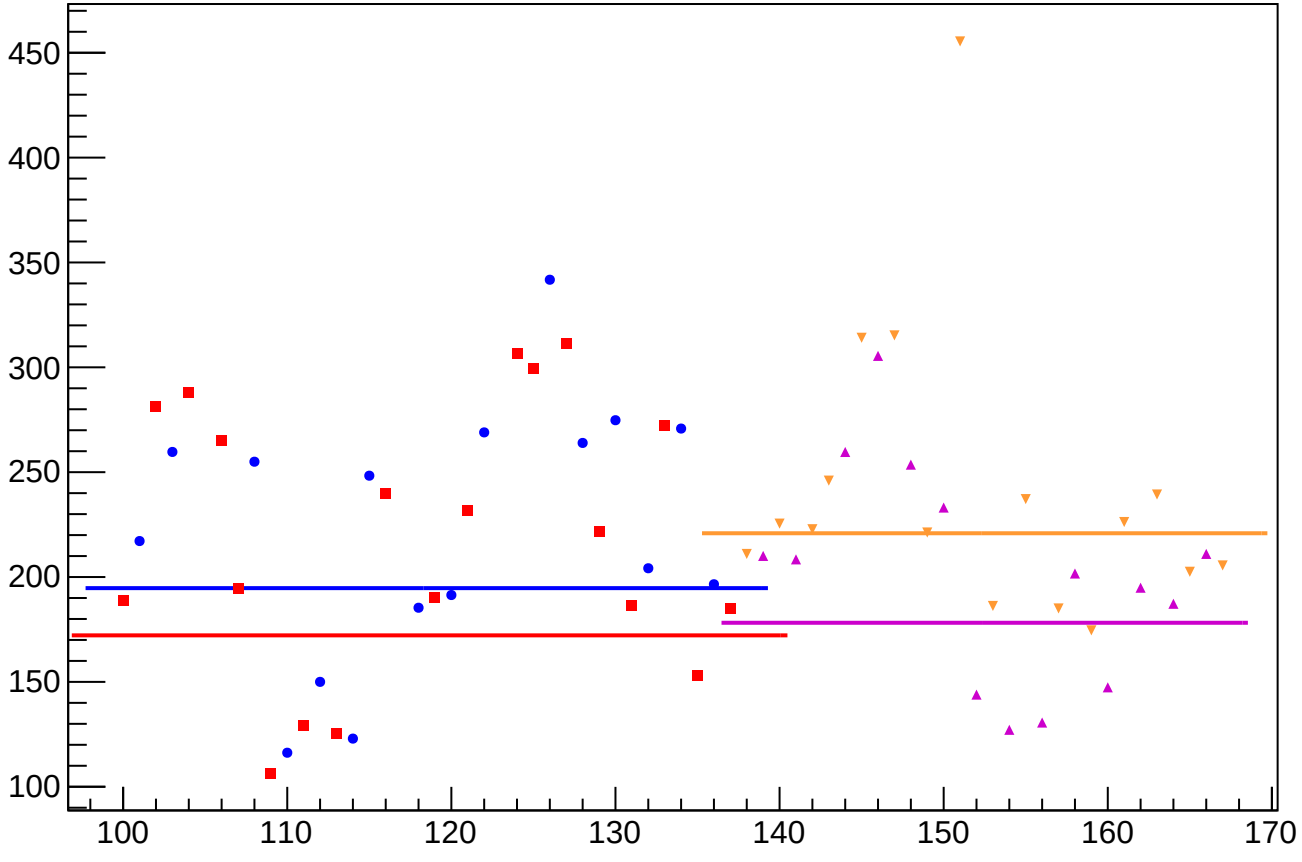
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 66.976+/-45.132 χ^2/NDF:24.4/29

Out: 6.065+/-46.915 χ^2/NDF:28.0/34

All: 37.700+/-32.525 χ^2/NDF: 53.2/64

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 220.875+/-0.046 χ^2/NDF:990859.6/15

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 178.190+/-0.040 χ^2/NDF:1463579.0/13

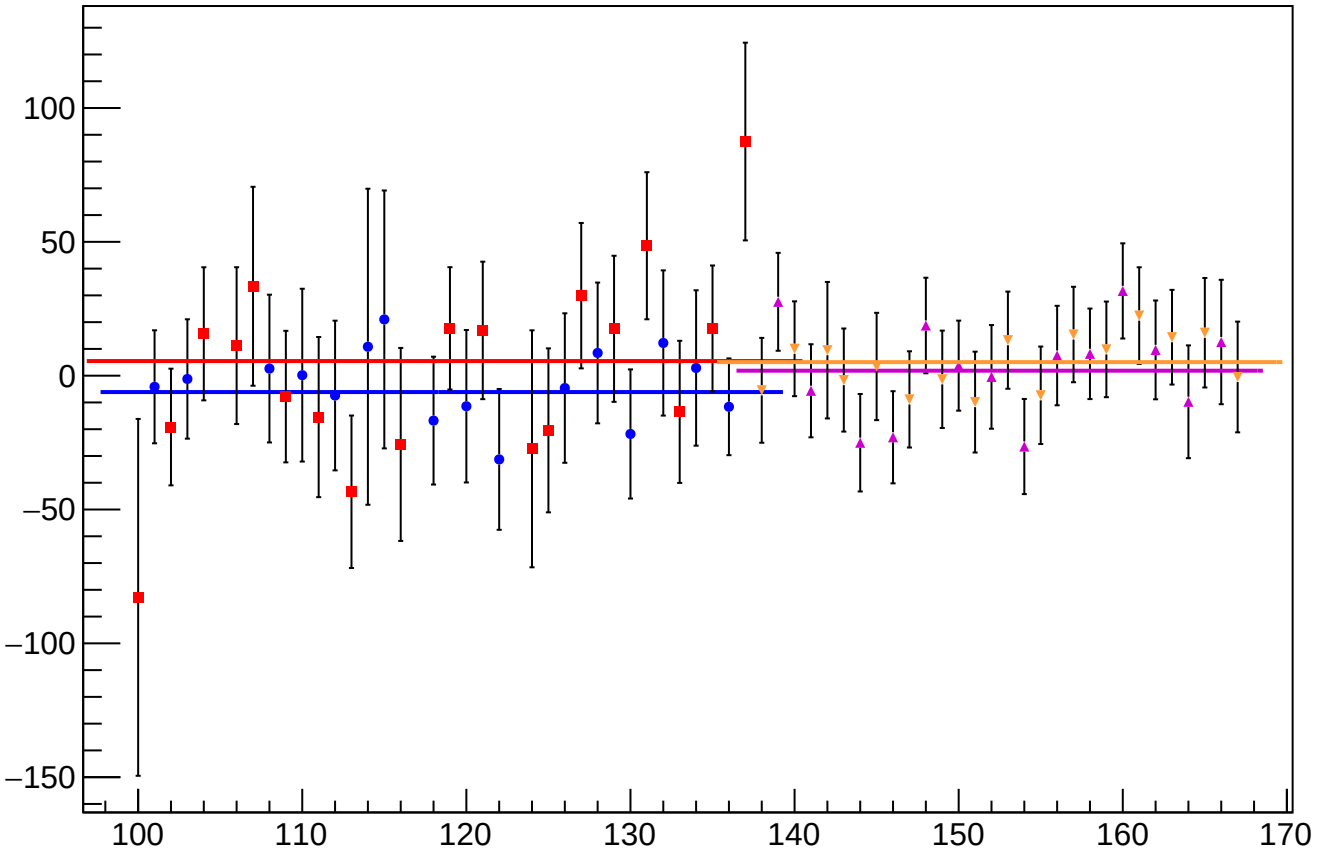
Left: 196.496+/-0.030 χ^2/NDF: 2955141.6/29

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 183.928+/-0.032 χ^2/NDF:2576608.5/29

Out: 197.968+/-0.033 χ^2/NDF:3198567.0/34

All: 190.676+/-0.023 χ^2/NDF: 5868198.6/64



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.063+/-4.726 χ^2/NDF:4.5/15

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 1.863+/-4.892 χ^2/NDF:13.6/13

Left: 3.518+/-3.399 χ^2/NDF: 18.4/29

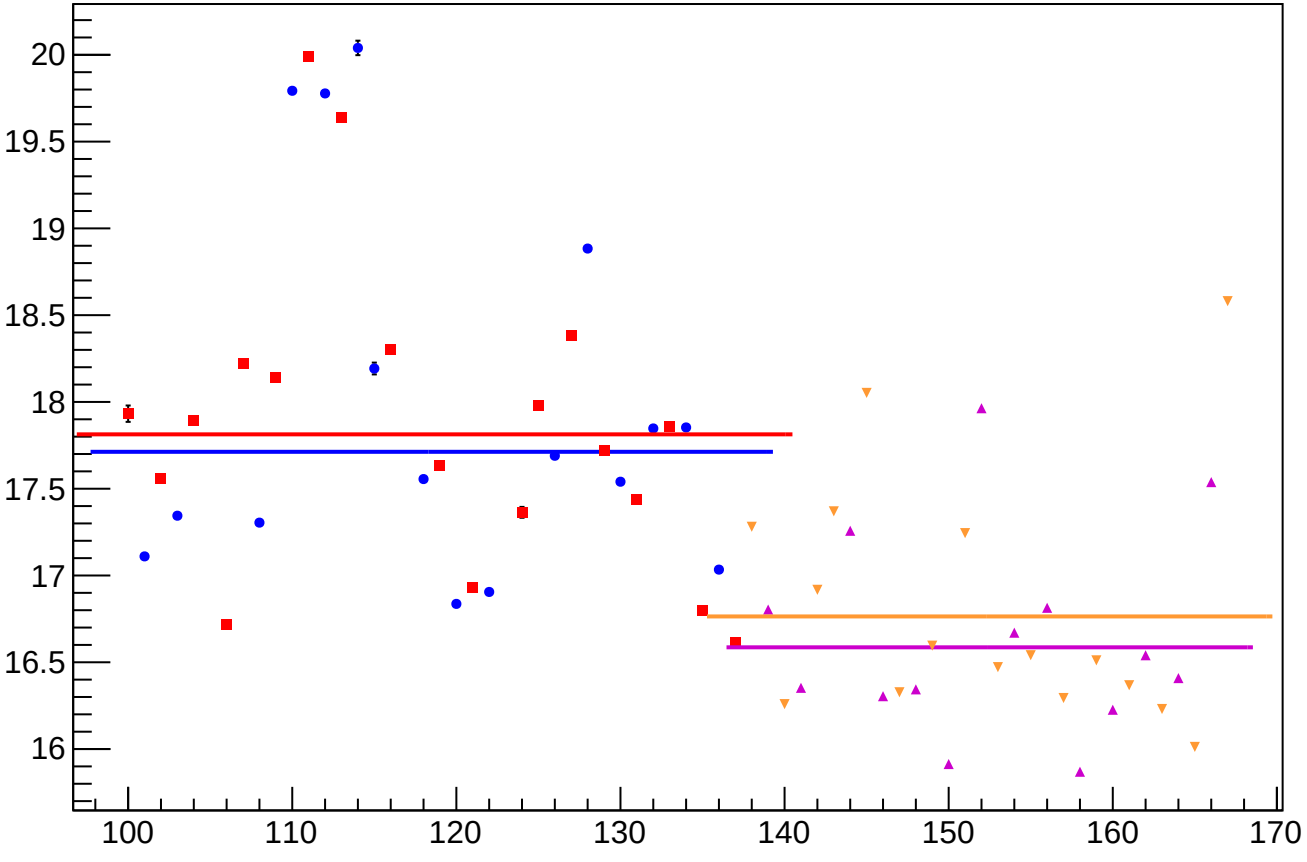
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -0.972+/-3.928 χ^2/NDF:17.7/29

Out: 5.203+/-3.824 χ^2/NDF:23.7/34

All: 2.199+/-2.740 χ^2/NDF: 42.7/64

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.764+/-0.003 χ^2/NDF:39494.8/15

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.586+/-0.003 χ^2/NDF:25851.2/13

Left: 16.678+/-0.002 χ^2/NDF: 66714.4/29

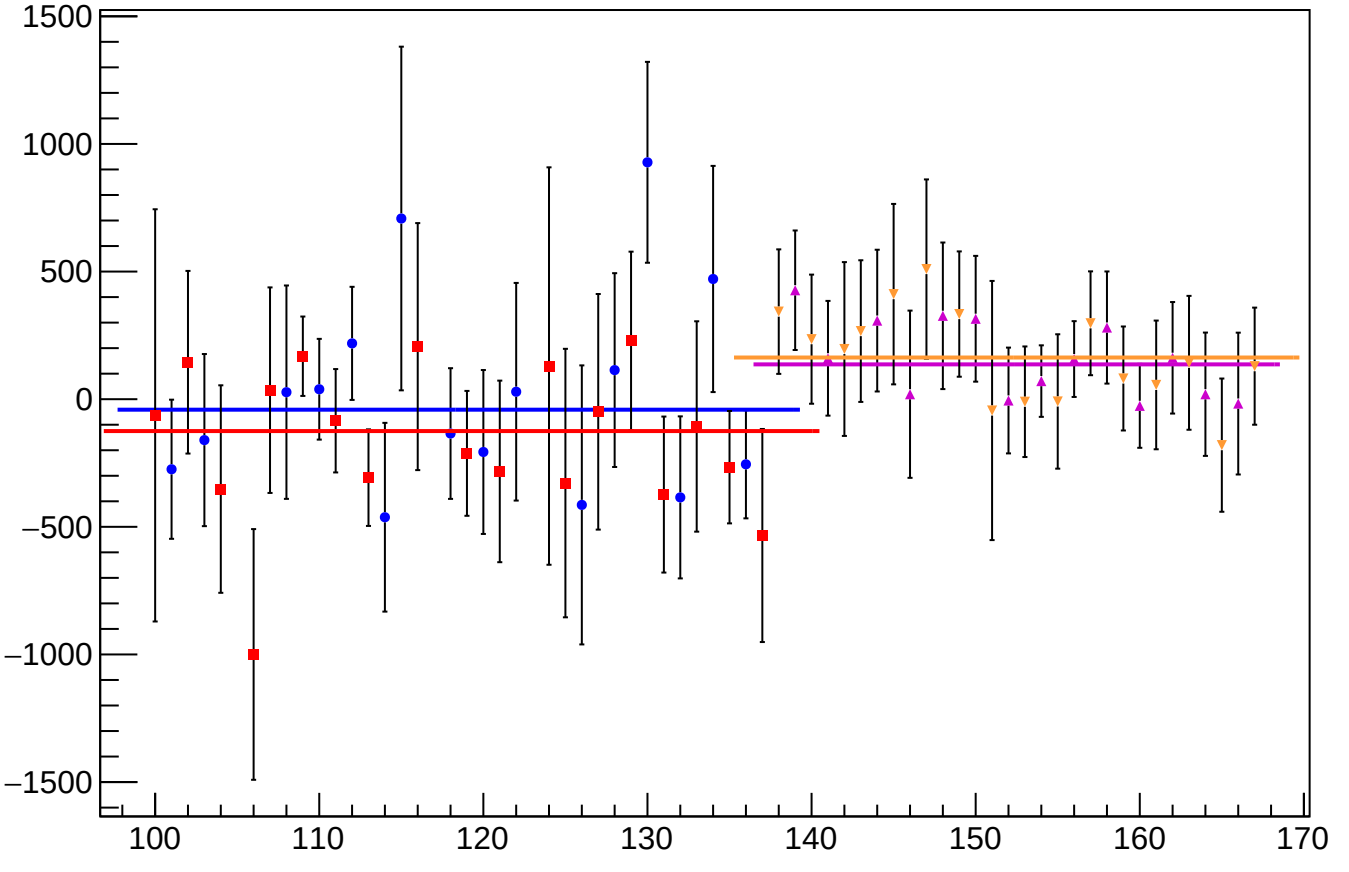
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 16.986+/-0.003 χ^2/NDF:99496.2/29

Out: 17.126+/-0.003 χ^2/NDF:106236.4/34

All: 17.058+/-0.002 χ^2/NDF: 207038.1/64

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 163.293+/-64.737 χ^2/NDF:6.5/15

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 136.417+/-56.140 χ^2/NDF:5.7/13

Left: 147.953+/-42.413 χ^2/NDF: 12.3/29

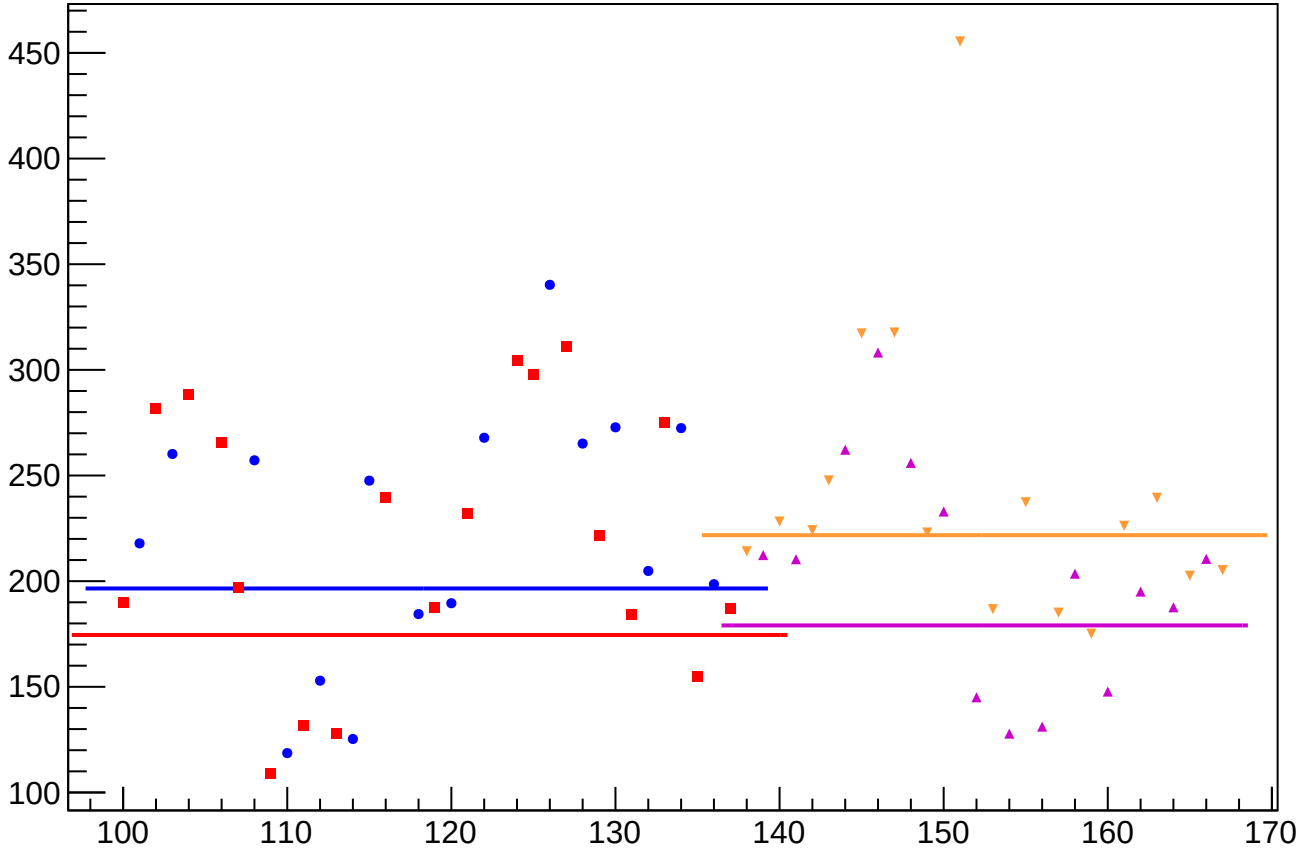
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 74.945+/-45.391 χ^2/NDF:24.8/29

Out: 28.613+/-47.246 χ^2/NDF:28.6/34

All: 52.706+/-32.733 χ^2/NDF: 53.9/64

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.766+/-0.046 χ^2/NDF:999731.3/15

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 179.058+/-0.040 χ^2/NDF:1474198.2/13

Left: 197.390+/-0.030 χ^2/NDF: 2970756.5/29

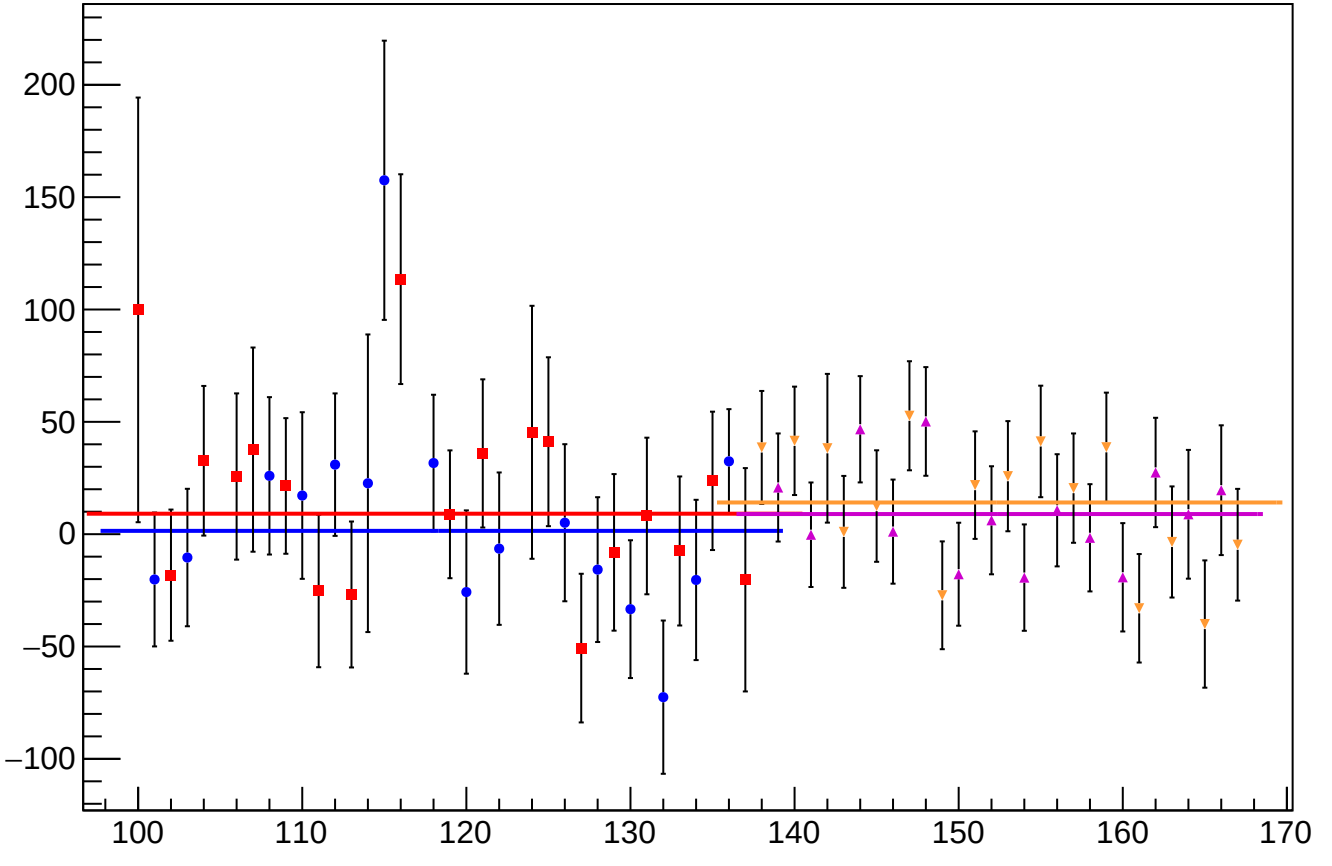
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 185.112+/-0.032 χ^2/NDF:2542141.2/29

Out: 199.694+/-0.033 χ^2/NDF:3085909.2/34

All: 192.111+/-0.023 χ^2/NDF: 5727120.9/64

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 14.108+/-6.261 χ^2/NDF:19.7/15

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 8.962+/-6.518 χ^2/NDF:11.0/13

Left: 11.638+/-4.515 χ^2/NDF: 31.1/29

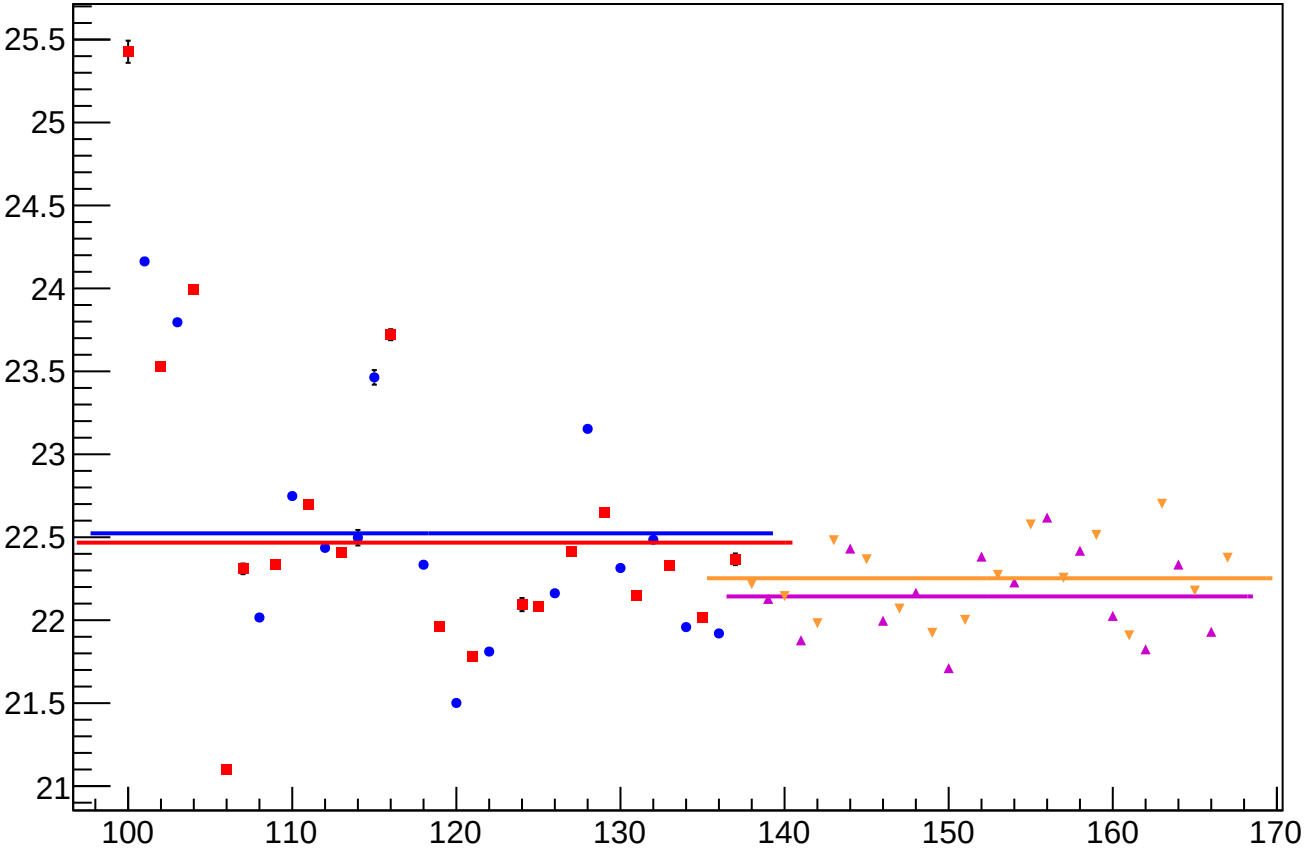
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 6.136+/-5.143 χ^2/NDF:30.2/29

Out: 12.268+/-4.976 χ^2/NDF:36.4/34

All: 9.303+/-3.576 χ^2/NDF: 67.3/64

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.253+/-0.004 χ^2/NDF:2801.7/15

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.143+/-0.005 χ^2/NDF:3156.0/13

Left: 22.200+/-0.003 χ^2/NDF: 6252.2/29

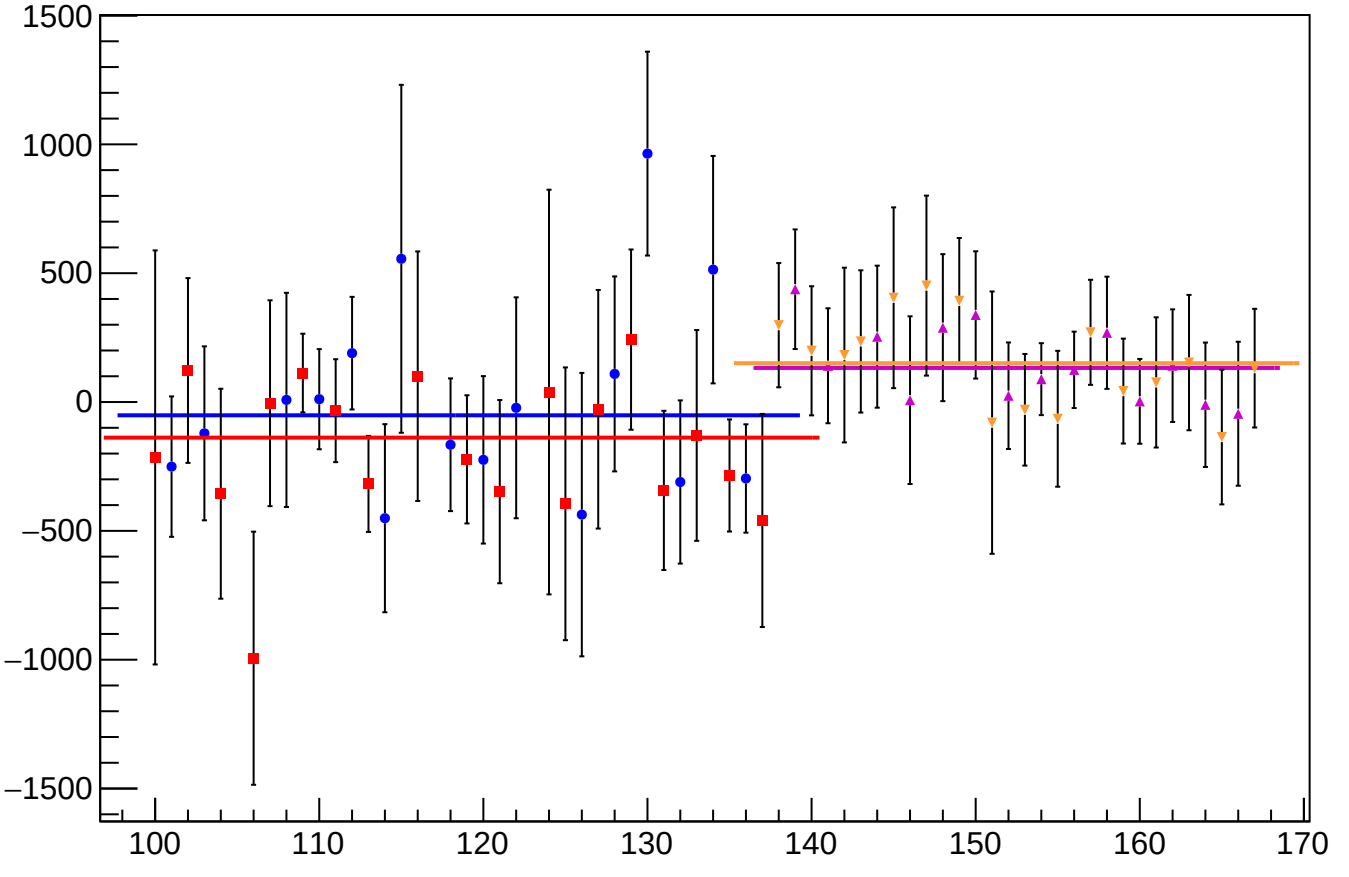
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.287+/-0.004 χ^2/NDF:21675.5/29

Out: 22.332+/-0.004 χ^2/NDF:19295.2/34

All: 22.310+/-0.003 χ^2/NDF: 41050.5/64

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 150.793+/-64.613 χ^2/NDF:6.3/15

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 132.311+/-55.979 χ^2/NDF:5.2/13

Left: 140.235+/-42.309 χ^2/NDF: 11.5/29

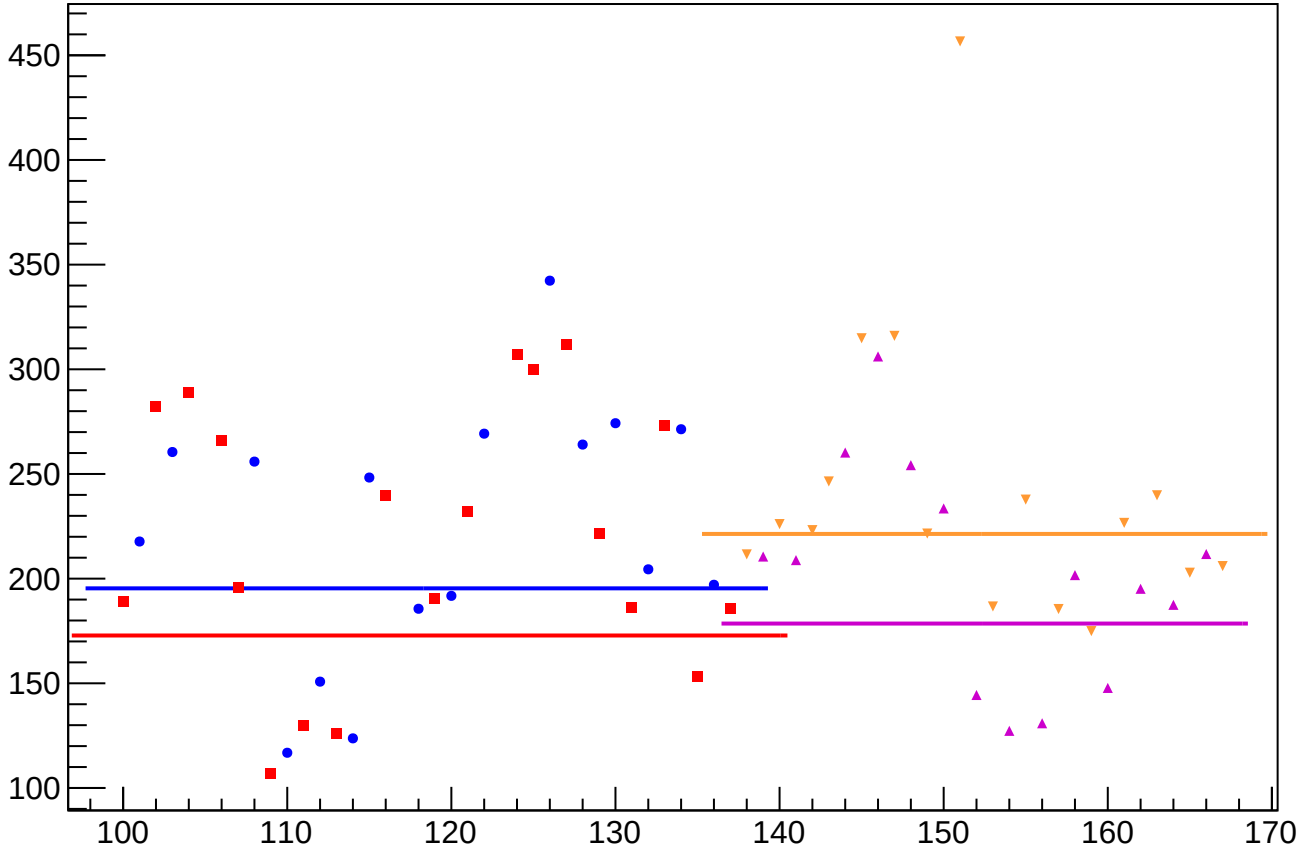
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 68.538+/-45.237 χ^2/NDF:24.3/29

Out: 14.998+/-47.043 χ^2/NDF:27.3/34

All: 42.815+/-32.607 χ^2/NDF: 52.2/64

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 221.356+/-0.046 χ^2/NDF:991039.2/15

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 178.541+/-0.040 χ^2/NDF:1463630.0/13

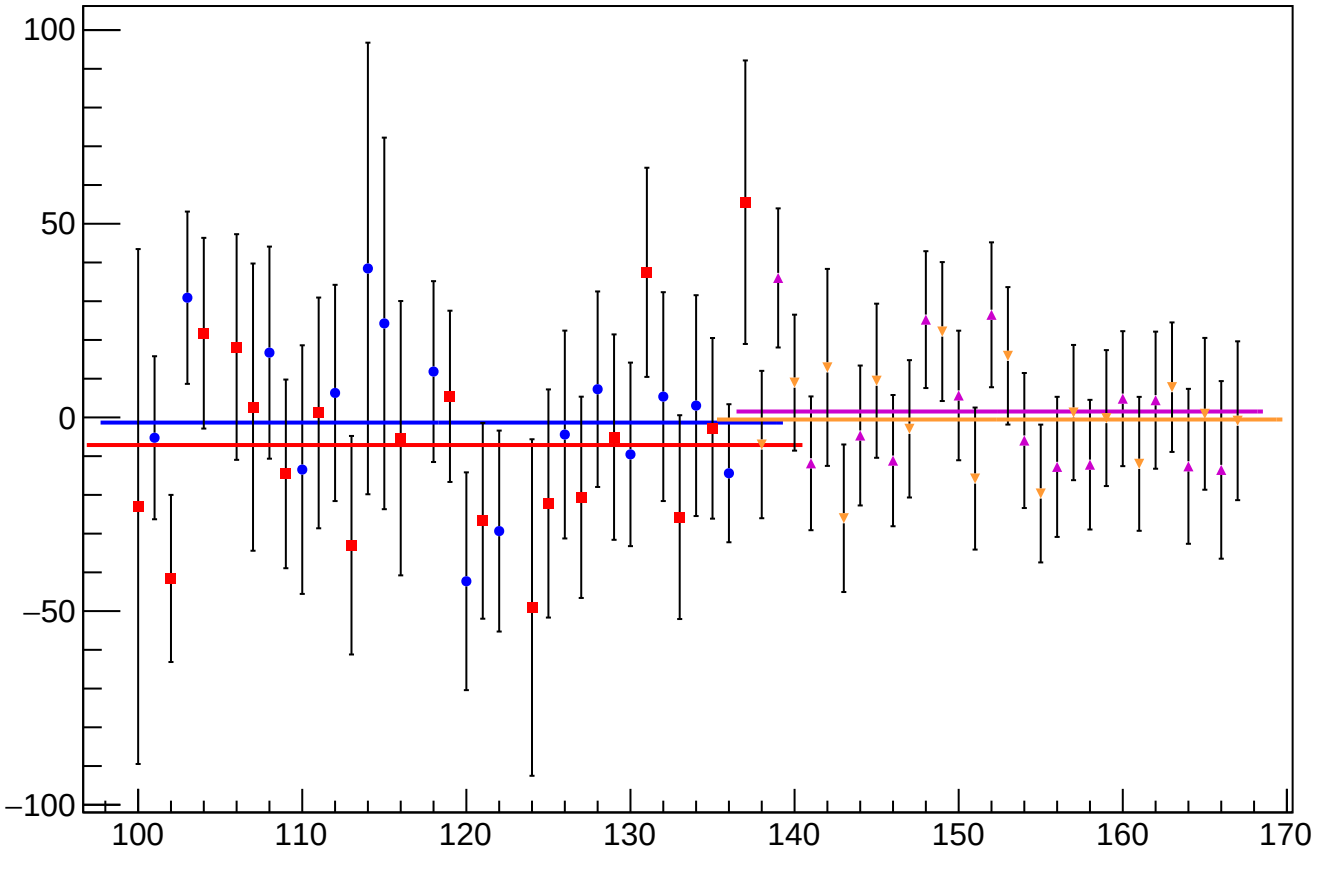
Left: 196.898+/-0.030 χ^2/NDF: 2956319.3/29

Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 184.377+/-0.032 χ^2/NDF:2567713.2/29

Out: 198.556+/-0.033 χ^2/NDF:3180421.3/34

All: 191.189+/-0.023 χ^2/NDF: 5842538.9/64



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.538+/-4.619 χ^2/NDF:7.8/15

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 1.526+/-4.797 χ^2/NDF:11.1/13

Left: 0.455+/-3.327 χ^2/NDF: 18.9/29

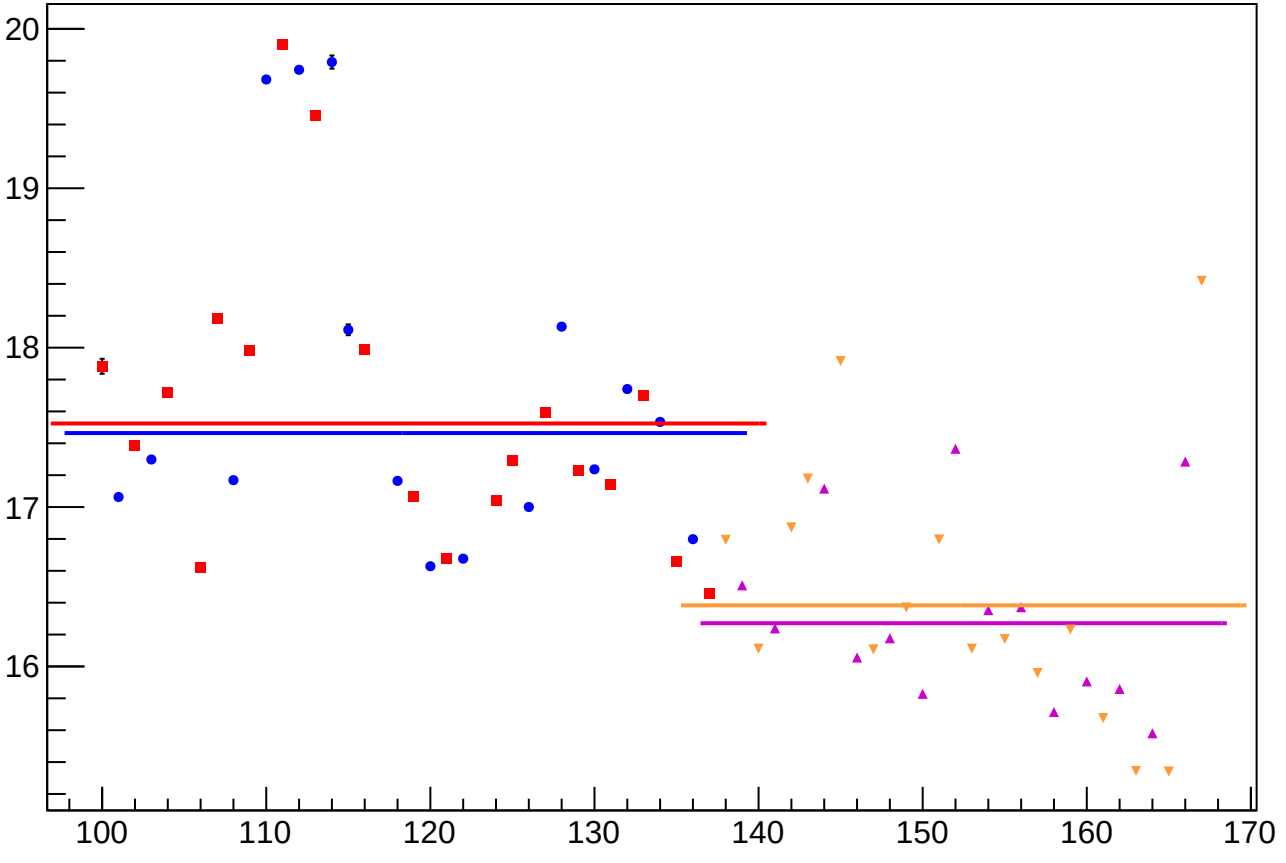
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 0.518+/-3.860 χ^2/NDF:19.2/29

Out: -2.794+/-3.746 χ^2/NDF:22.9/34

All: -1.187+/-2.688 χ^2/NDF: 42.5/64

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.383+/-0.003 χ^2/NDF:57540.8/15

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.271+/-0.003 χ^2/NDF:23945.0/13

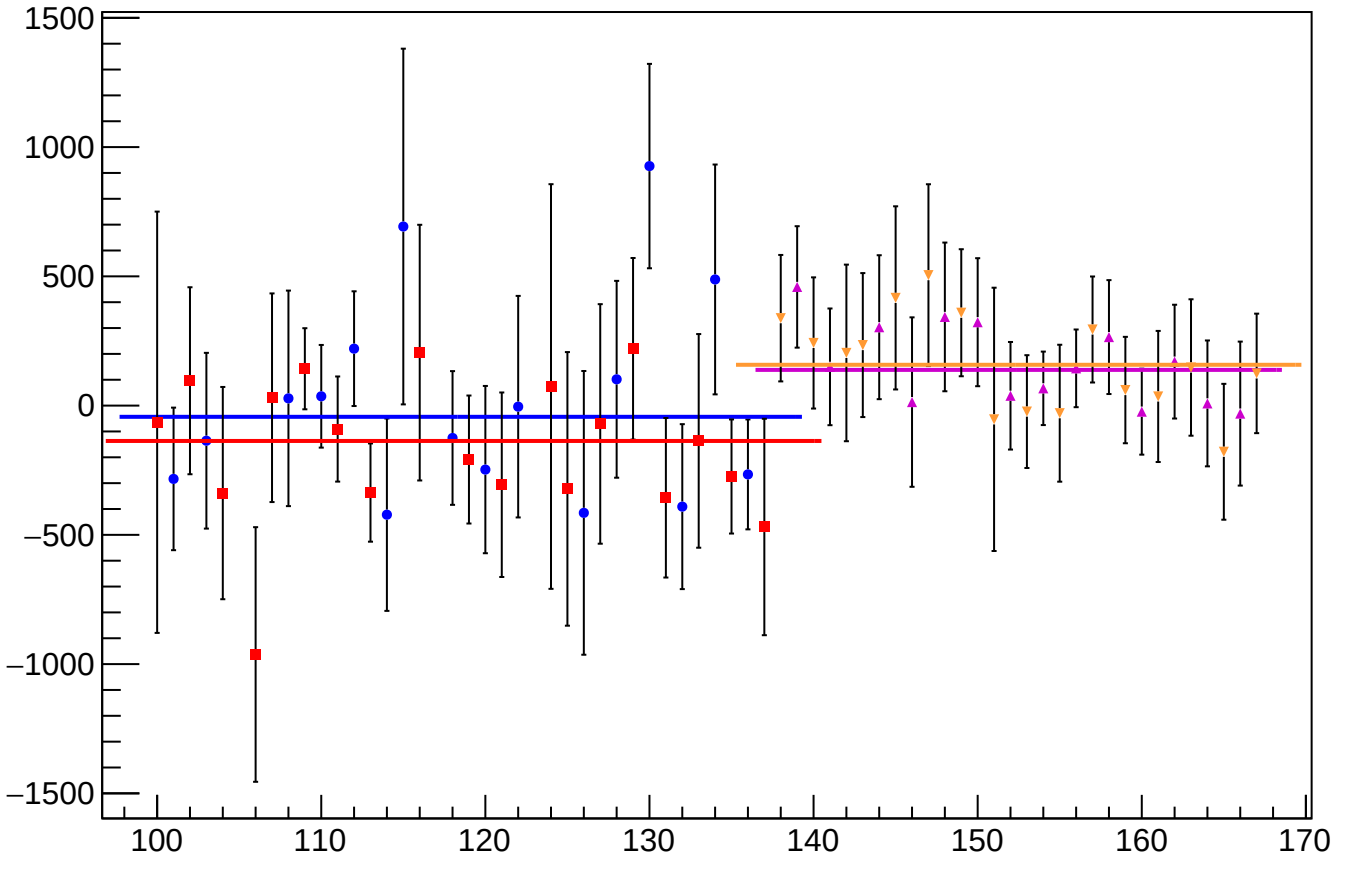
Left: 16.329+/-0.002 χ^2/NDF: 82055.9/29

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.692+/-0.003 χ^2/NDF:104233.8/29

Out: 16.774+/-0.003 χ^2/NDF:134038.9/34

All: 16.734+/-0.002 χ^2/NDF: 238738.9/64



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 157.897+/-65.101 χ^2/NDF:6.9/15

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 138.116+/-56.576 χ^2/NDF:5.9/13

Left: 146.627+/-42.703 χ^2/NDF: 12.8/29

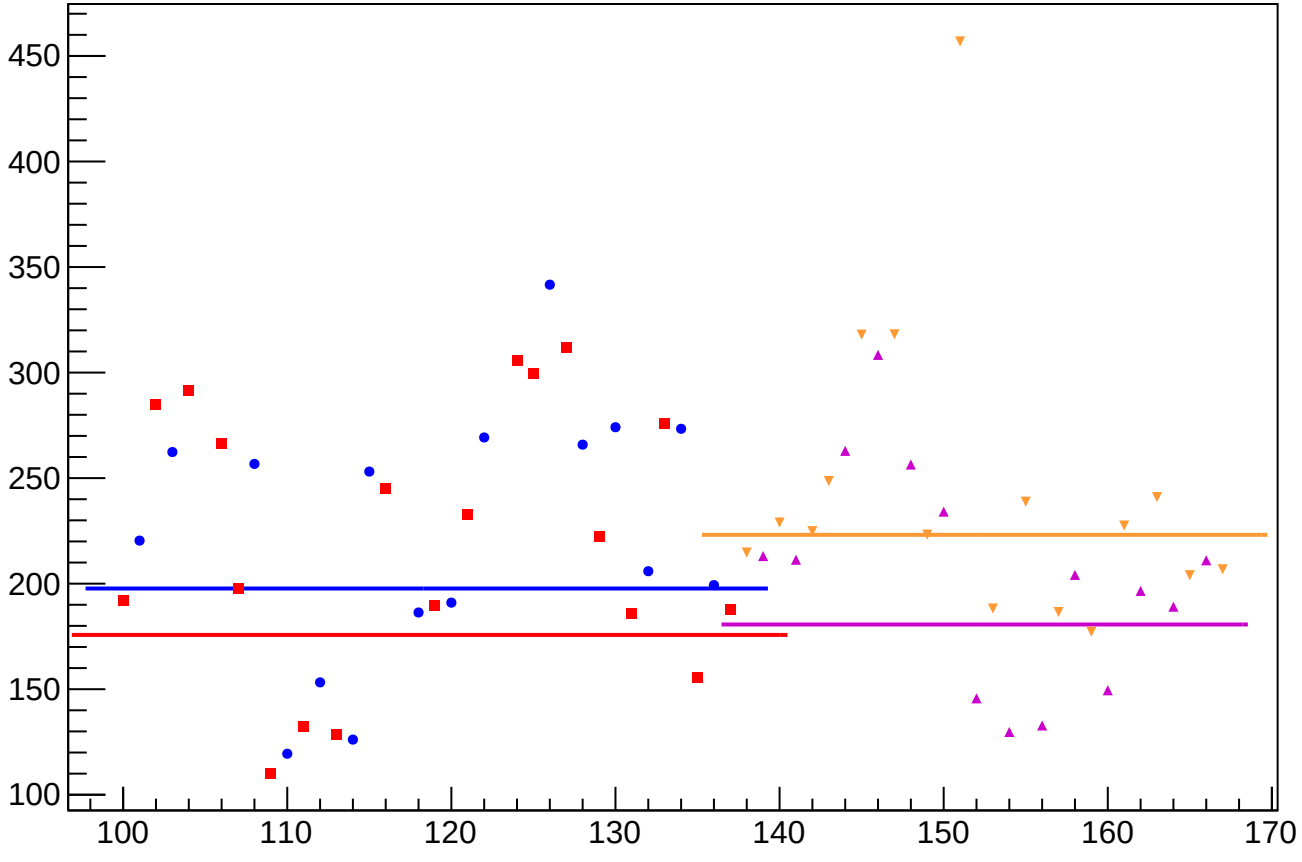
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 75.107+/-45.713 χ^2/NDF:24.9/29

Out: 20.300+/-47.530 χ^2/NDF:28.0/34

All: 48.771+/-32.948 χ^2/NDF: 53.5/64

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 223.131+/-0.046 χ^2/NDF:982525.8/15

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 180.661+/-0.040 χ^2/NDF:1431192.3/13

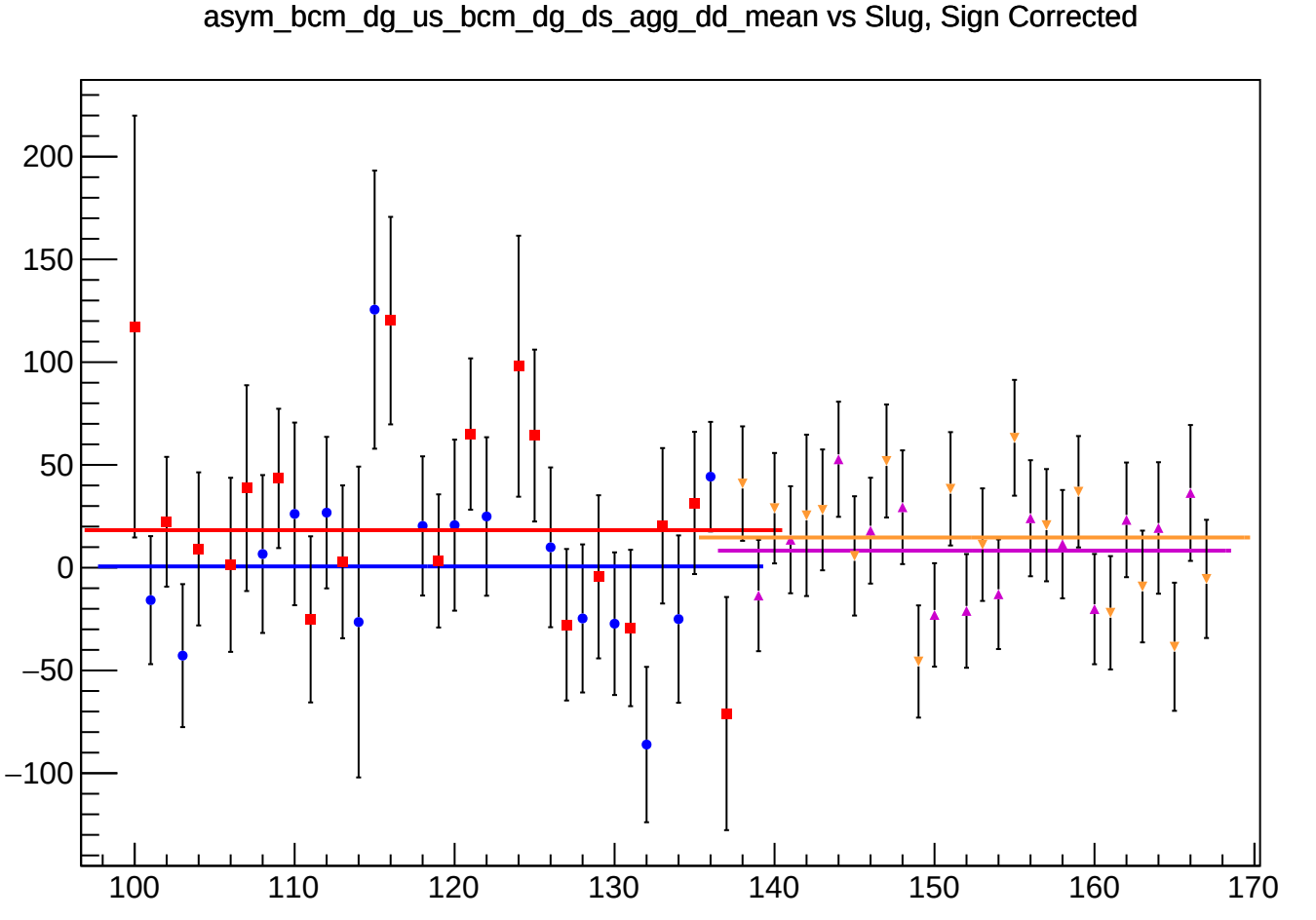
Left: 198.935+/-0.030 χ^2/NDF: 2898667.6/29

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

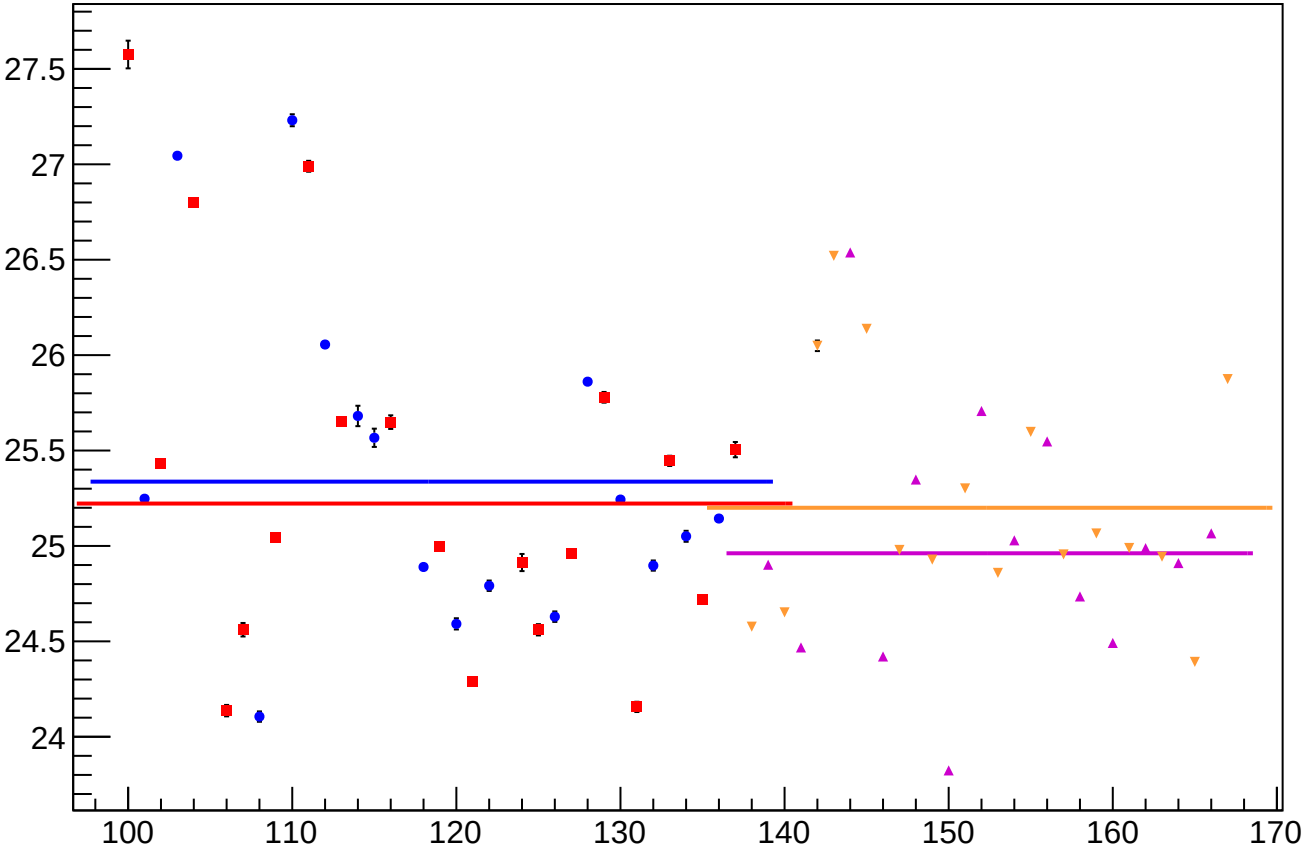
In: 186.579+/-0.032 χ^2/NDF:2494550.5/29

Out: 200.991+/-0.034 χ^2/NDF:3068499.7/34

All: 193.504+/-0.023 χ^2/NDF: 5658576.6/64


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 14.700+/-7.097 χ²/NDF:18.6/15
Right Out: 18.248+/-9.208 χ²/NDF: 18.0/18
Left In: 8.293+/-7.356 χ²/NDF:9.8/13
Left: 11.611+/-5.107 χ²/NDF: 28.9/29
Right: 9.635+/-6.585 χ²/NDF: 36.5/34
In: 5.386+/-5.798 χ²/NDF:27.0/29
Out: 16.022+/-5.621 χ²/NDF:36.7/34
All: 10.869+/-4.036 χ²/NDF: 65.4/64

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.200+/-0.005 χ^2/NDF:12901.8/15

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.962+/-0.005 χ^2/NDF:15543.6/13

Left: 25.085+/-0.004 χ^2/NDF: 29534.2/29

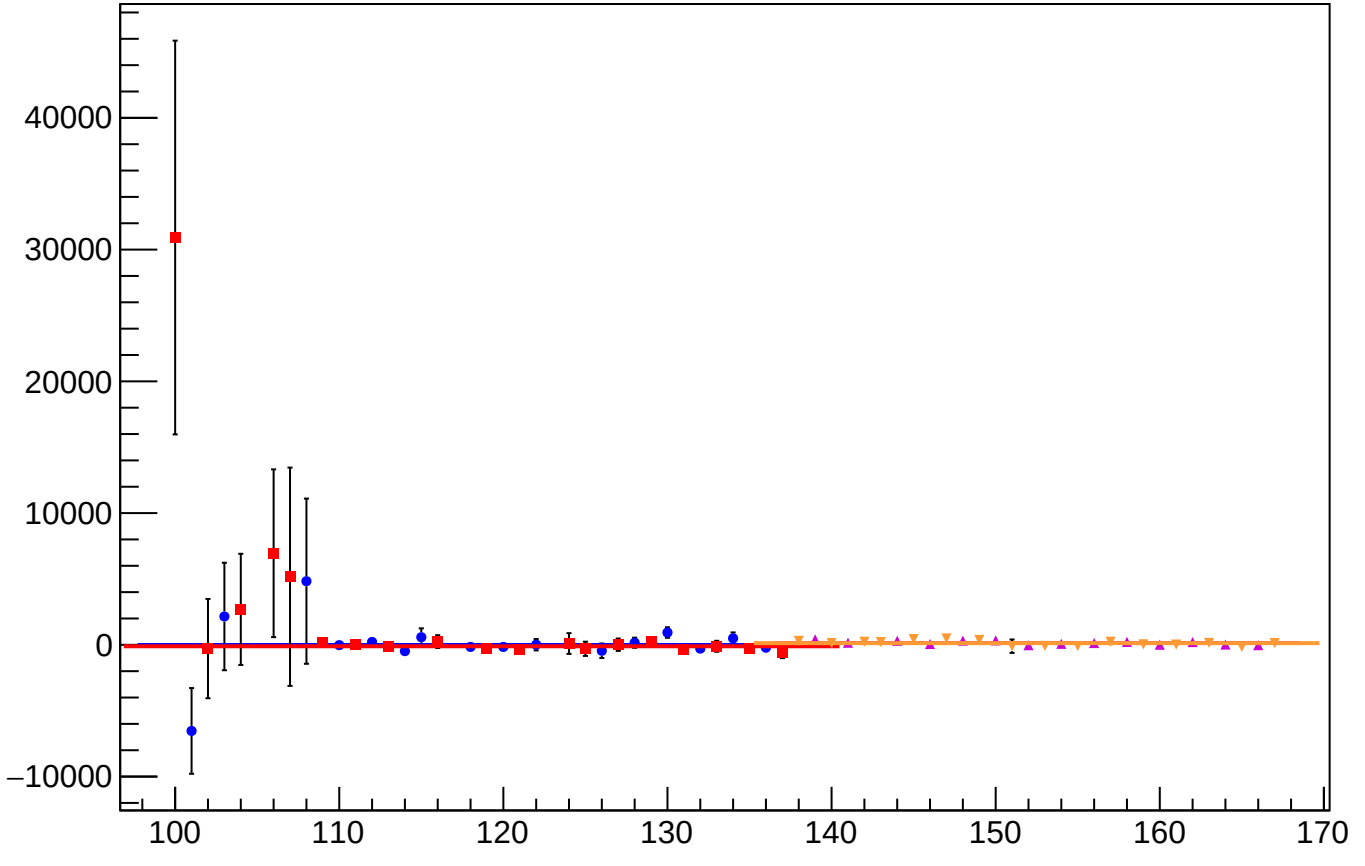
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.104+/-0.004 χ^2/NDF:31831.9/29

Out: 25.208+/-0.004 χ^2/NDF:28133.5/34

All: 25.158+/-0.003 χ^2/NDF: 60300.5/64

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 128.721+/-65.734 χ^2/NDF:7.0/15

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 139.569+/-57.427 χ^2/NDF:5.0/13

Left: 134.874+/-43.248 χ^2/NDF: 12.0/29

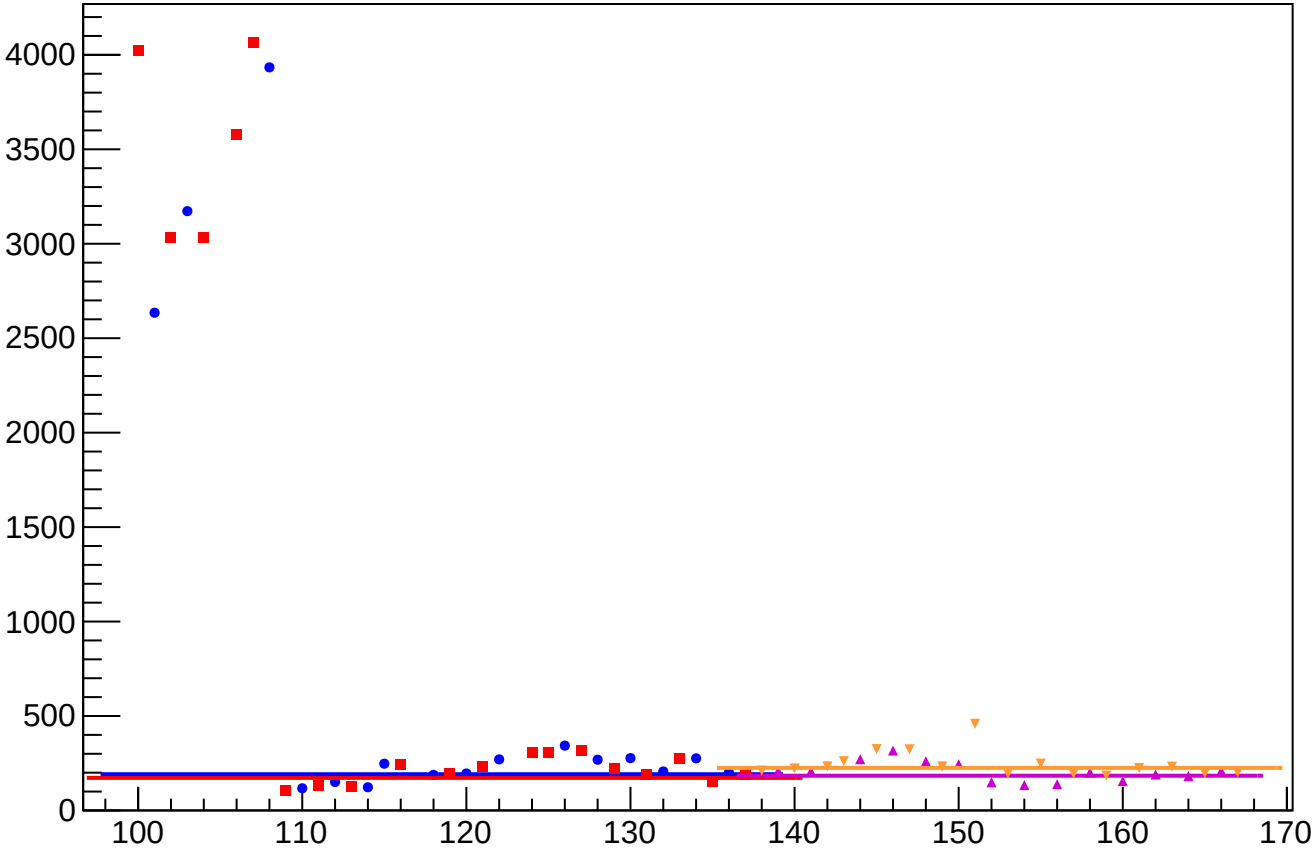
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 90.751+/-47.532 χ^2/NDF:25.6/29

Out: 30.220+/-50.291 χ^2/NDF:26.5/34

All: 62.191+/-34.544 χ^2/NDF: 52.9/64

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 225.464+/-0.046 χ^2/NDF:975062.4/15

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 183.952+/-0.041 χ^2/NDF:1315927.8/13

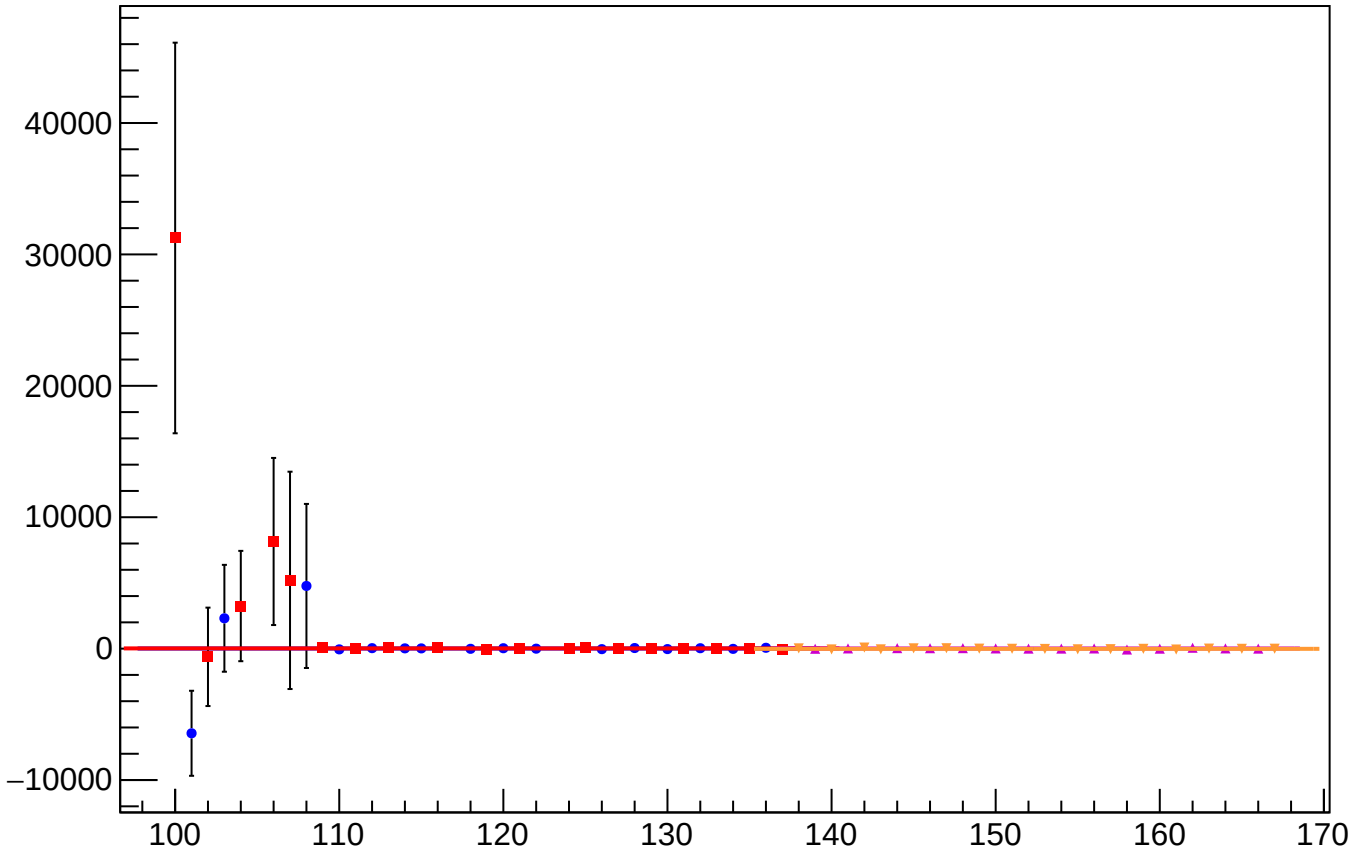
Left: 201.921+/-0.031 χ^2/NDF: 2743358.9/29

Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 186.403+/-0.034 χ^2/NDF:5149303.3/29

Out: 203.486+/-0.036 χ^2/NDF:5817362.3/34

All: 194.463+/-0.024 χ^2/NDF: 11088553.0/64



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -15.004+/-8.139 χ^2/NDF:17.7/15

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 11.722+/-8.524 χ^2/NDF:14.0/13

Left: -2.258+/-5.887 χ^2/NDF: 36.8/29

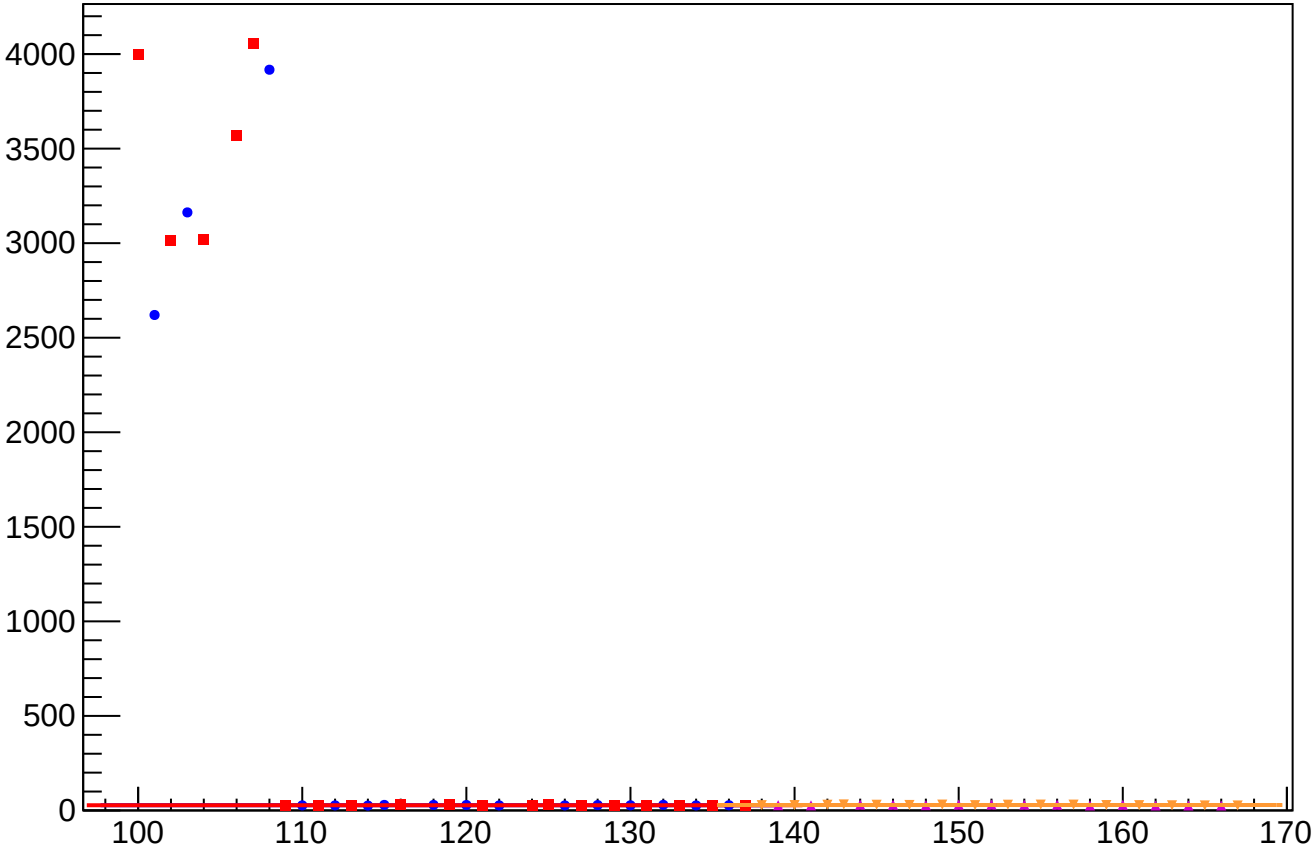
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 10.977+/-6.887 χ^2/NDF:30.0/29

Out: -4.336+/-6.701 χ^2/NDF:47.8/34

All: 3.111+/-4.803 χ^2/NDF: 80.3/64

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.833+/-0.006 χ^2/NDF:79509.0/15

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.838+/-0.006 χ^2/NDF:107298.2/13

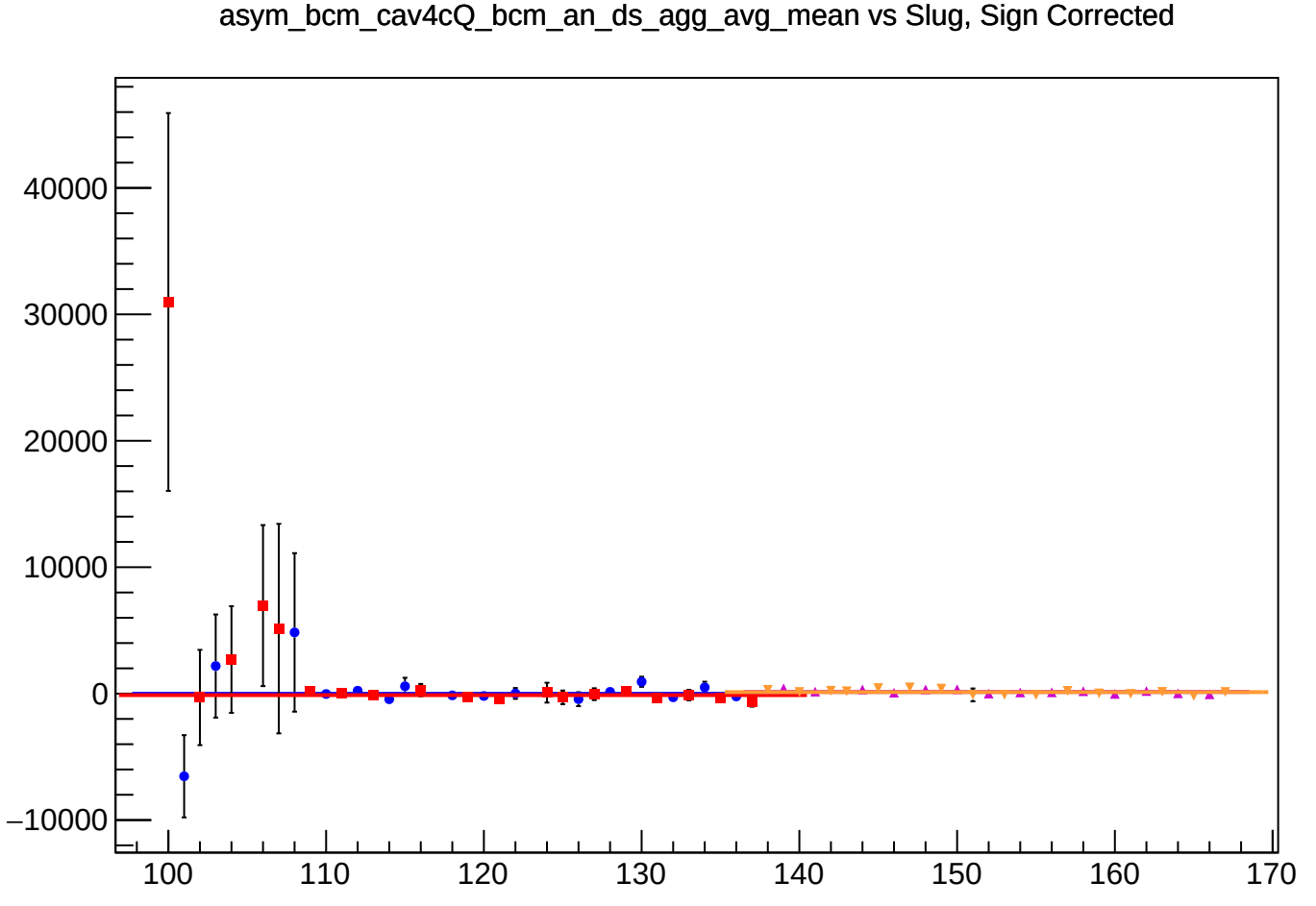
Left: 28.835+/-0.004 χ^2/NDF: 186807.7/29

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.423+/-0.005 χ^2/NDF:3386483.9/29

Out: 28.414+/-0.005 χ^2/NDF:3651129.2/34

All: 28.418+/-0.003 χ^2/NDF: 7037614.6/64



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 119.324+/-65.594 χ^2/NDF:7.8/15

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 135.413+/-57.317 χ^2/NDF:5.3/13

Left: 128.447+/-43.161 χ^2/NDF: 13.2/29

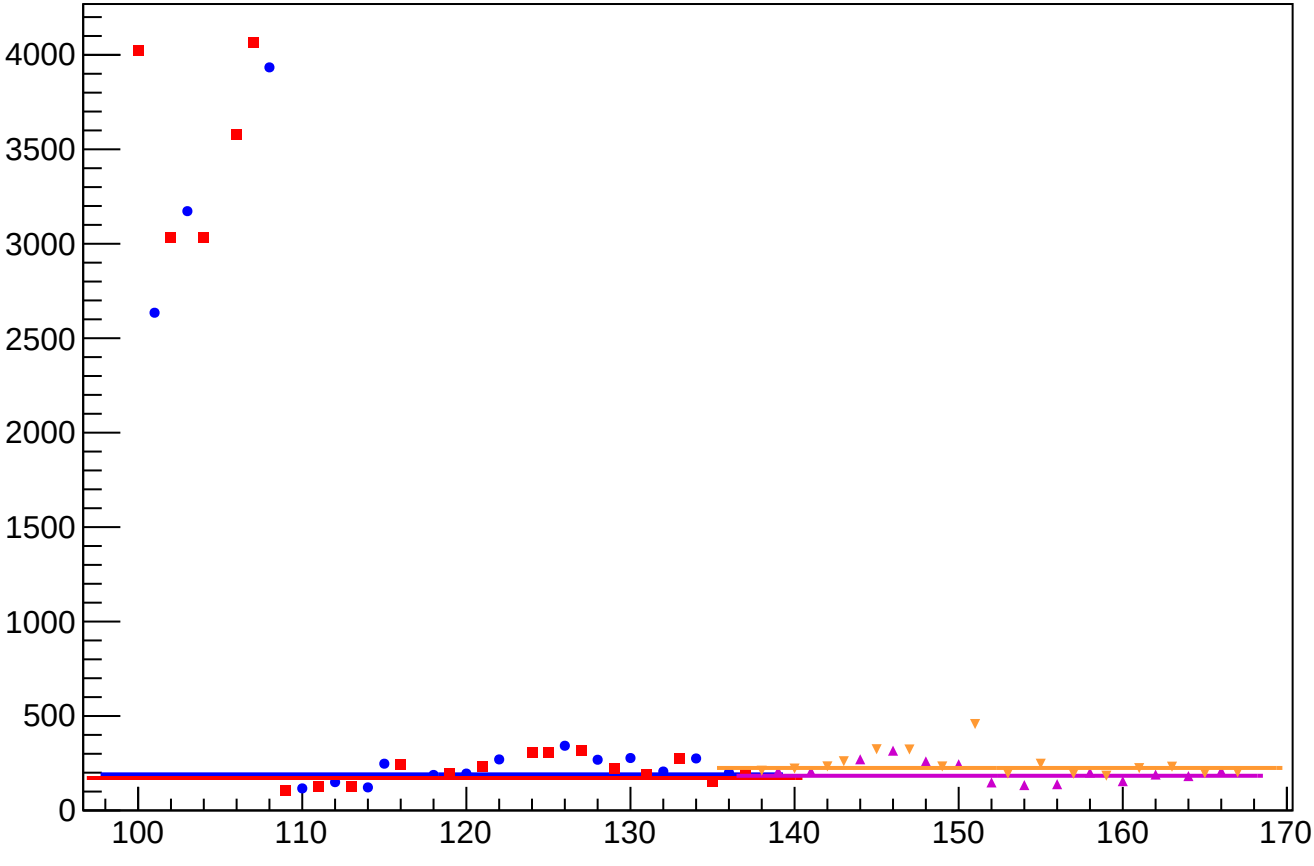
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 88.560+/-47.426 χ^2/NDF:25.8/29

Out: 20.785+/-50.165 χ^2/NDF:27.7/34

All: 56.573+/-34.463 χ^2/NDF: 54.4/64

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 224.987+/-0.046 χ^2/NDF:974819.6/15

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 183.605+/-0.041 χ^2/NDF:1315552.4/13

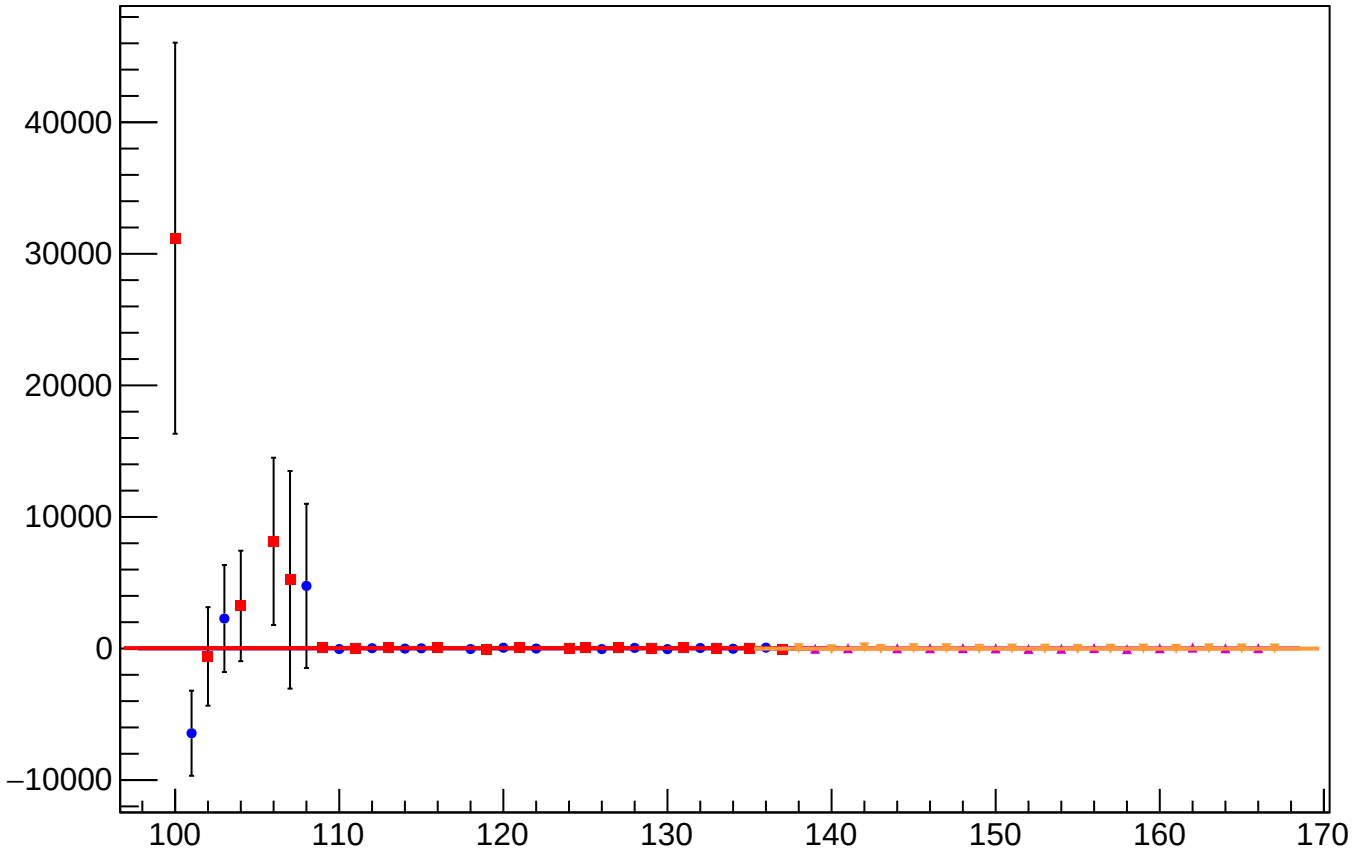
Left: 201.522+/-0.031 χ^2/NDF: 2741751.7/29

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.959+/-0.034 χ^2/NDF:5160202.6/29

Out: 202.924+/-0.035 χ^2/NDF:5834670.3/34

All: 193.966+/-0.024 χ^2/NDF: 11115651.8/64



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.504+/-8.202 χ^2/NDF:11.2/15

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 13.379+/-8.581 χ^2/NDF:12.4/13

Left: 1.943+/-5.929 χ^2/NDF: 27.0/29

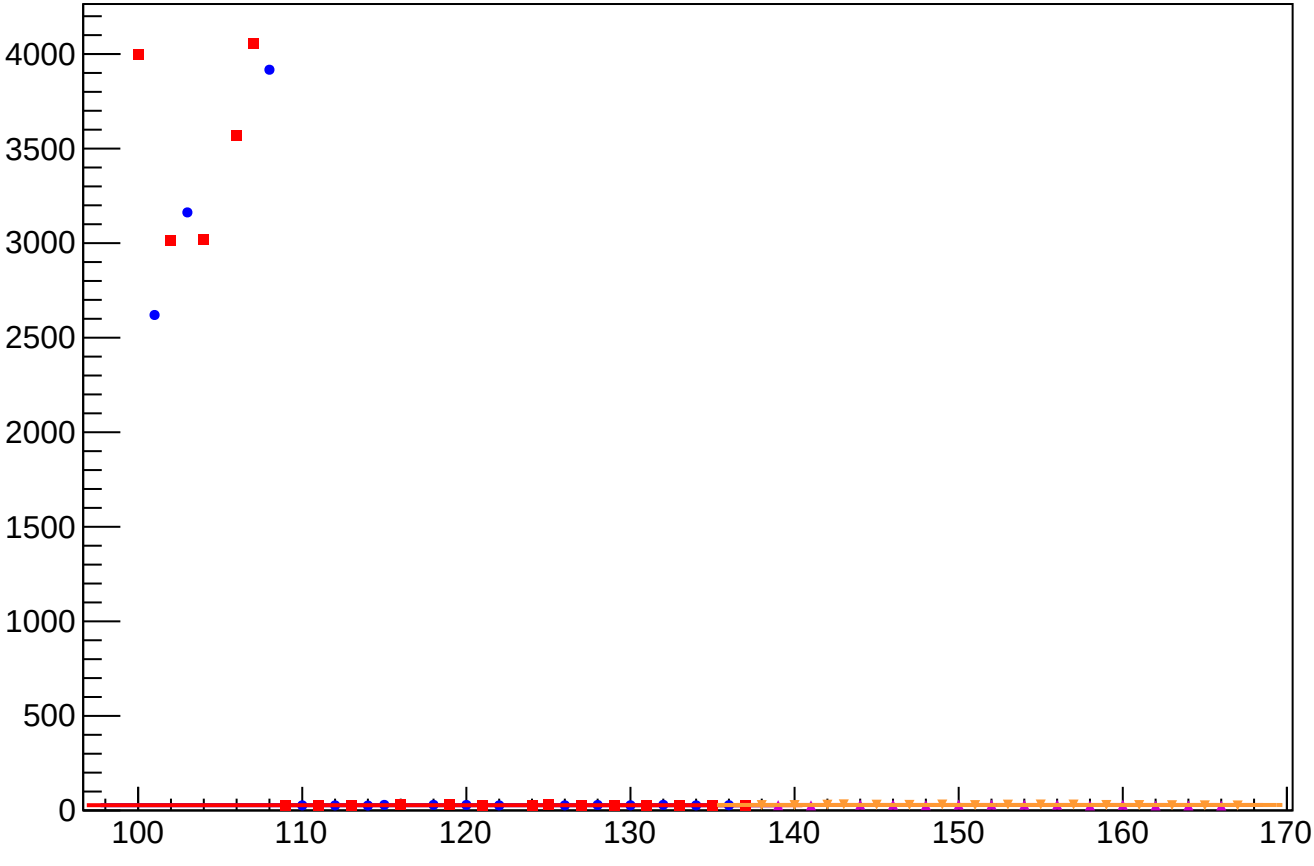
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 10.986+/-6.933 χ^2/NDF:30.9/29

Out: 4.204+/-6.753 χ^2/NDF:38.6/34

All: 7.506+/-4.837 χ^2/NDF: 70.0/64

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.049+/-0.006 χ^2/NDF:84398.7/15

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.032+/-0.006 χ^2/NDF:107641.5/13

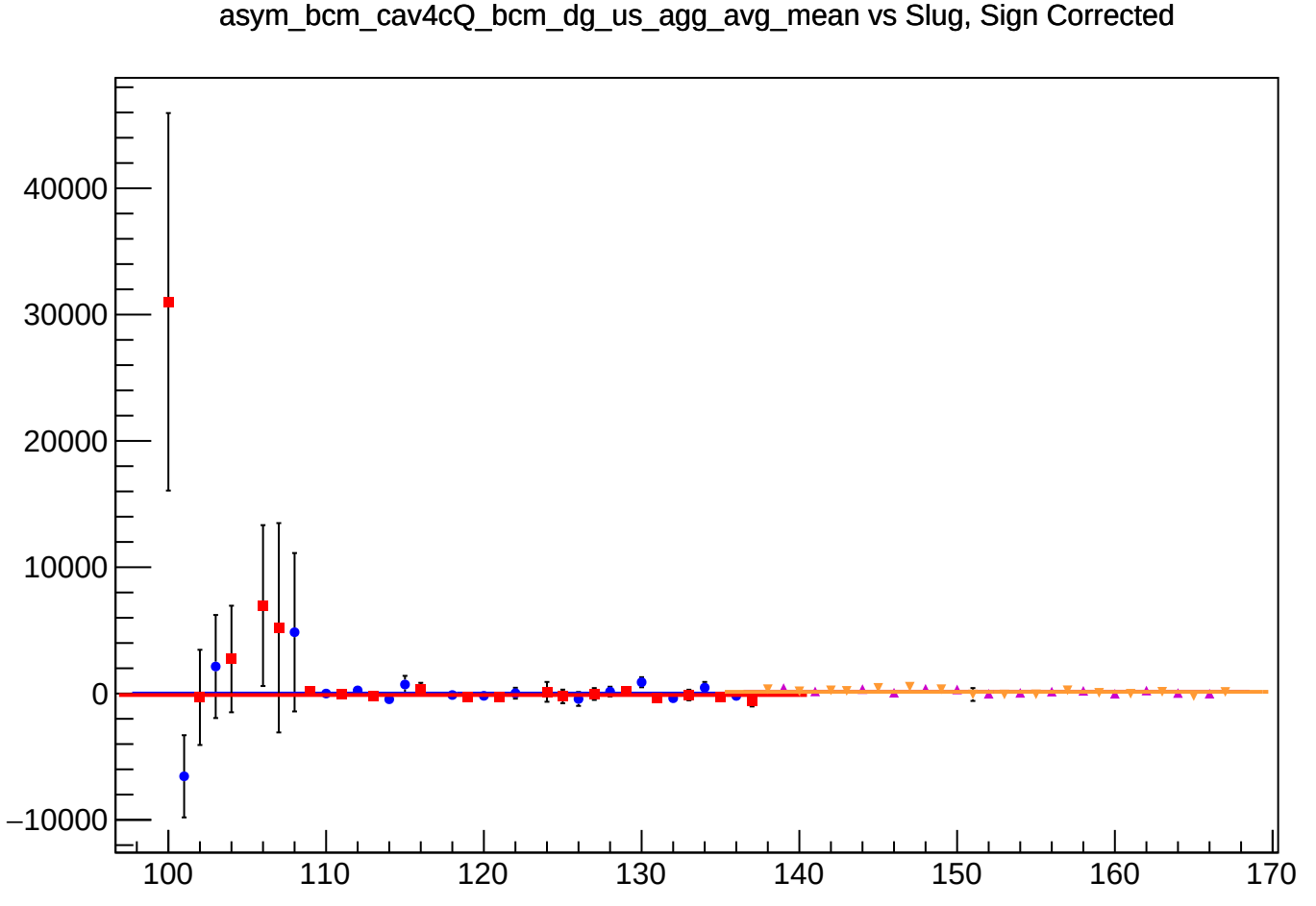
Left: 29.041+/-0.004 χ^2/NDF: 192044.1/29

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.613+/-0.005 χ^2/NDF:3387284.9/29

Out: 28.632+/-0.005 χ^2/NDF:3659130.2/34

All: 28.622+/-0.003 χ^2/NDF: 7046422.6/64



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 135.303+/-66.216 χ^2/NDF:7.7/15

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 146.146+/-58.018 χ^2/NDF:5.8/13

Left: 141.437+/-43.637 χ^2/NDF: 13.5/29

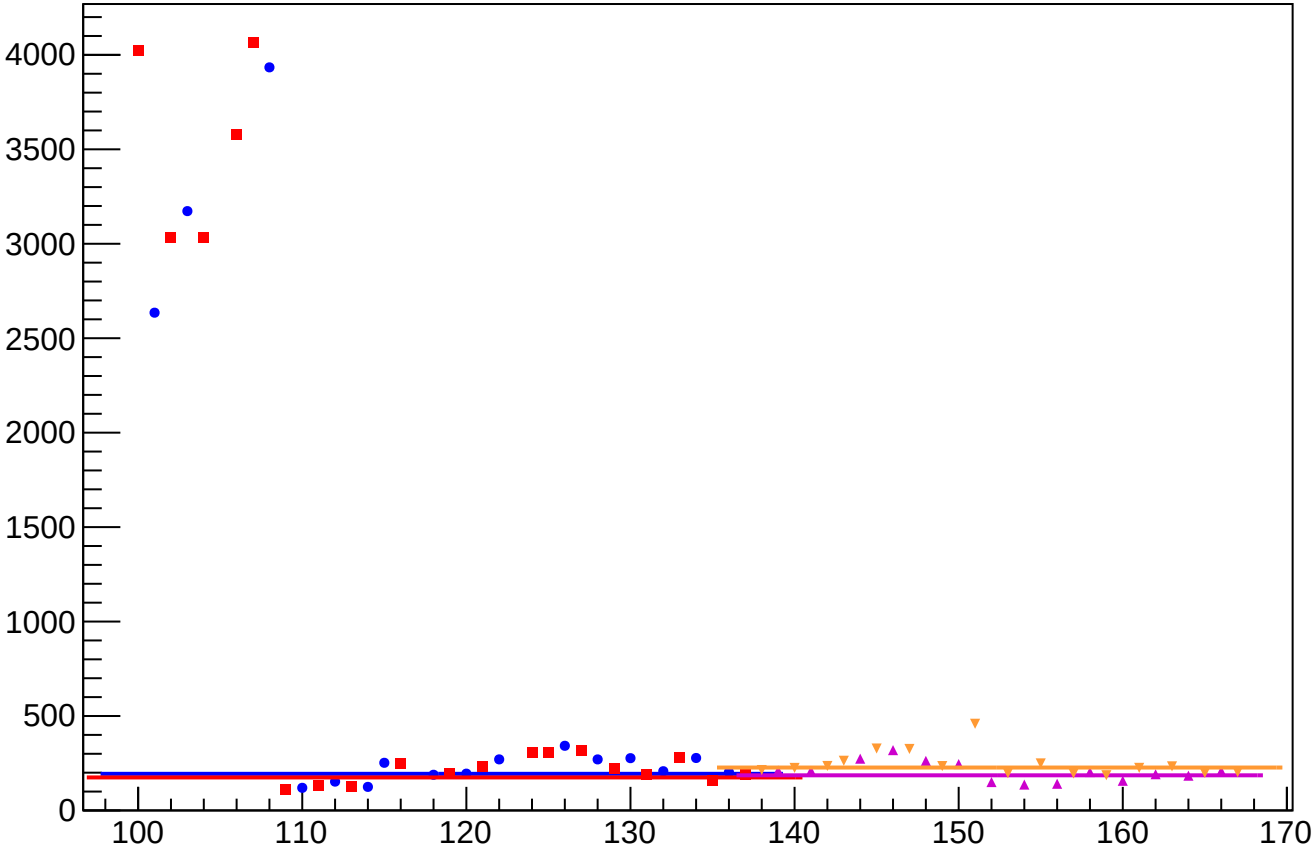
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 99.193+/-48.010 χ^2/NDF:26.1/29

Out: 31.633+/-50.735 χ^2/NDF:27.4/34

All: 67.276+/-34.872 χ^2/NDF: 54.4/64

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 227.212+/-0.047 χ^2/NDF:968044.1/15

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 186.042+/-0.041 χ^2/NDF:1288103.4/13

Left: 203.922+/-0.031 χ^2/NDF: 2693524.4/29

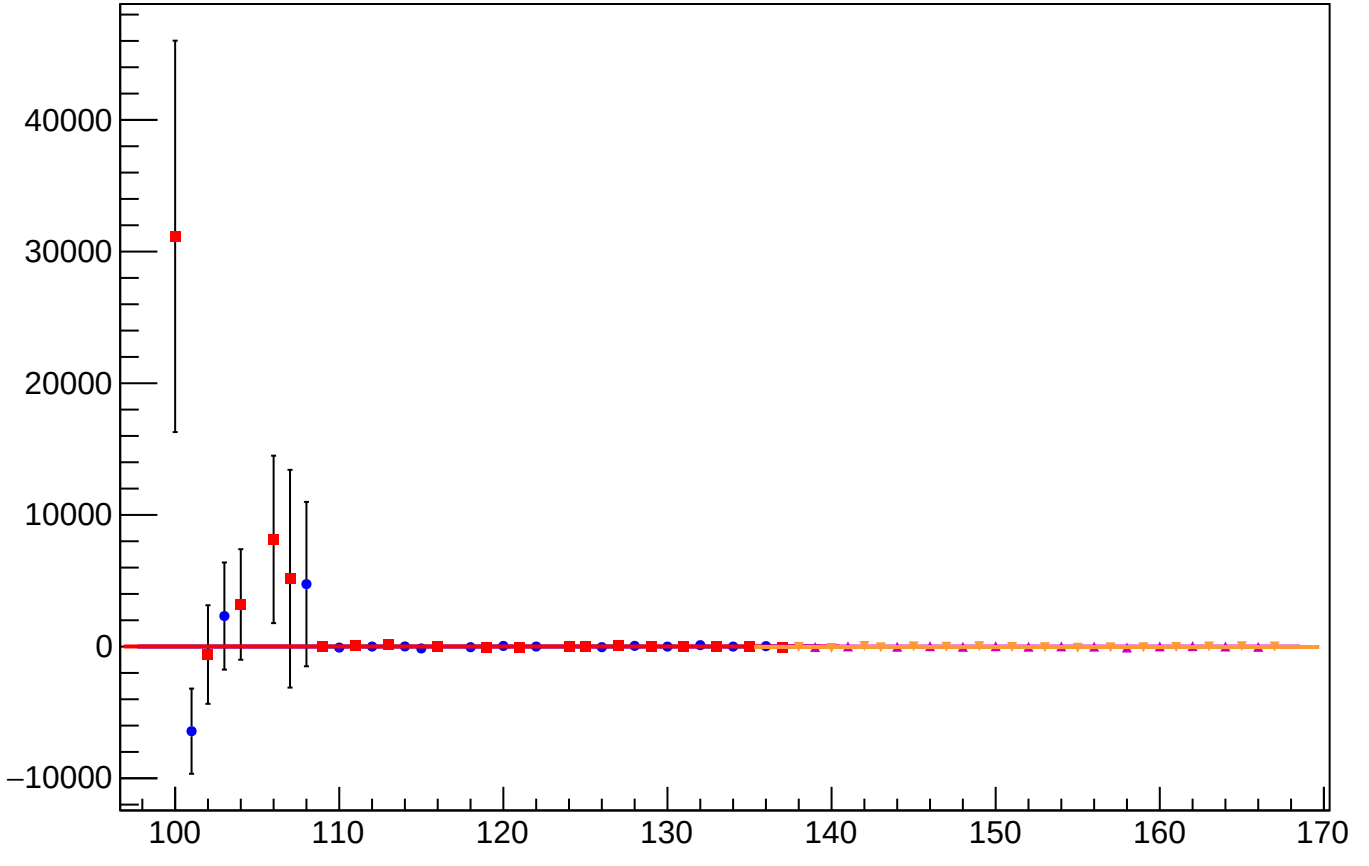
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 188.533+/-0.034 χ^2/NDF:5084274.7/29

Out: 205.561+/-0.036 χ^2/NDF:5745189.6/34

All: 196.577+/-0.025 χ^2/NDF: 10948309.8/64

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -29.511+/-9.715 χ^2/NDF:17.0/15

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 2.101+/-10.168 χ^2/NDF:8.0/13

Left: -14.425+/-7.024 χ^2/NDF: 30.0/29

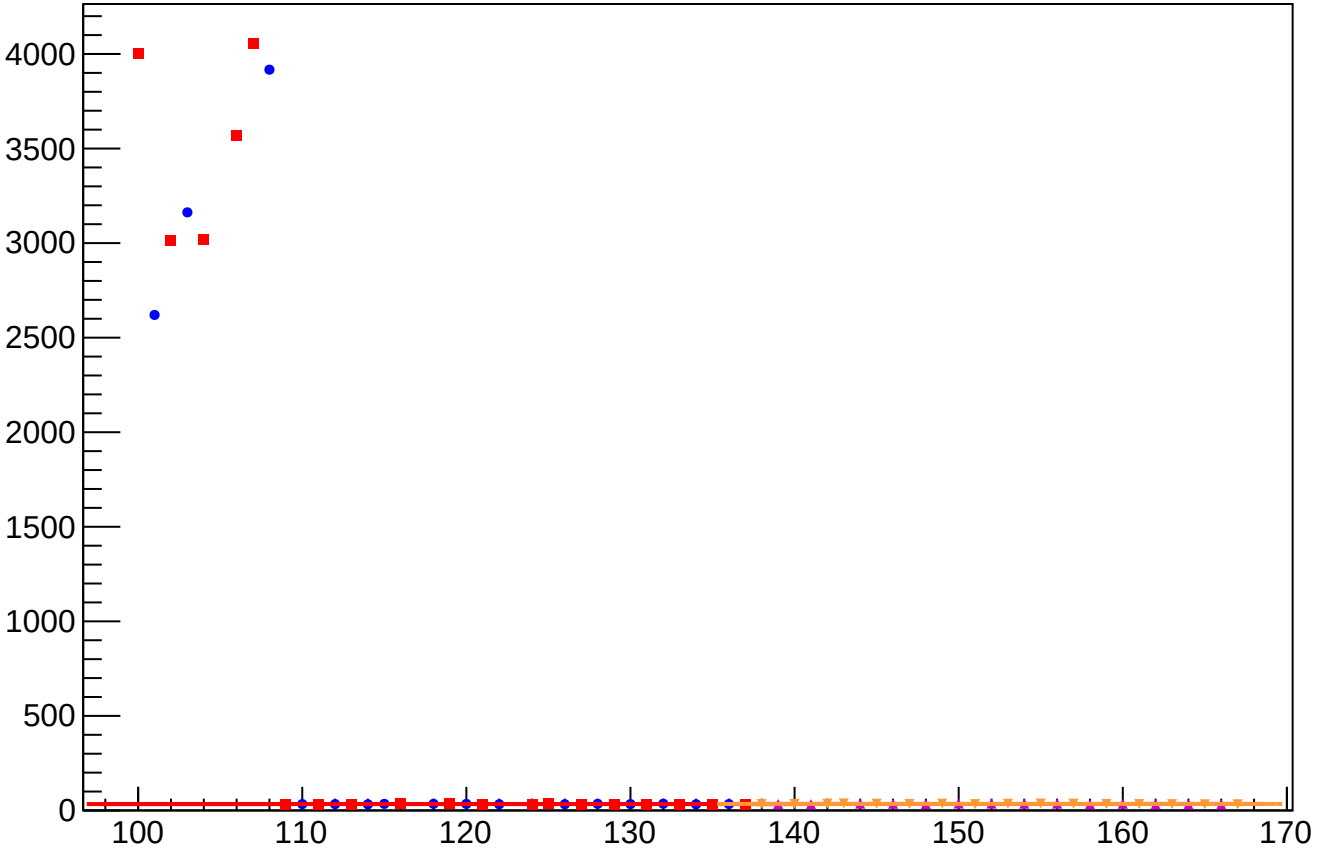
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 3.296+/-8.288 χ^2/NDF:25.5/29

Out: -17.190+/-8.059 χ^2/NDF:45.6/34

All: -7.234+/-5.778 χ^2/NDF: 74.2/64

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.470+/-0.007 χ^2/NDF:36832.4/15

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.475+/-0.007 χ^2/NDF:48820.0/13

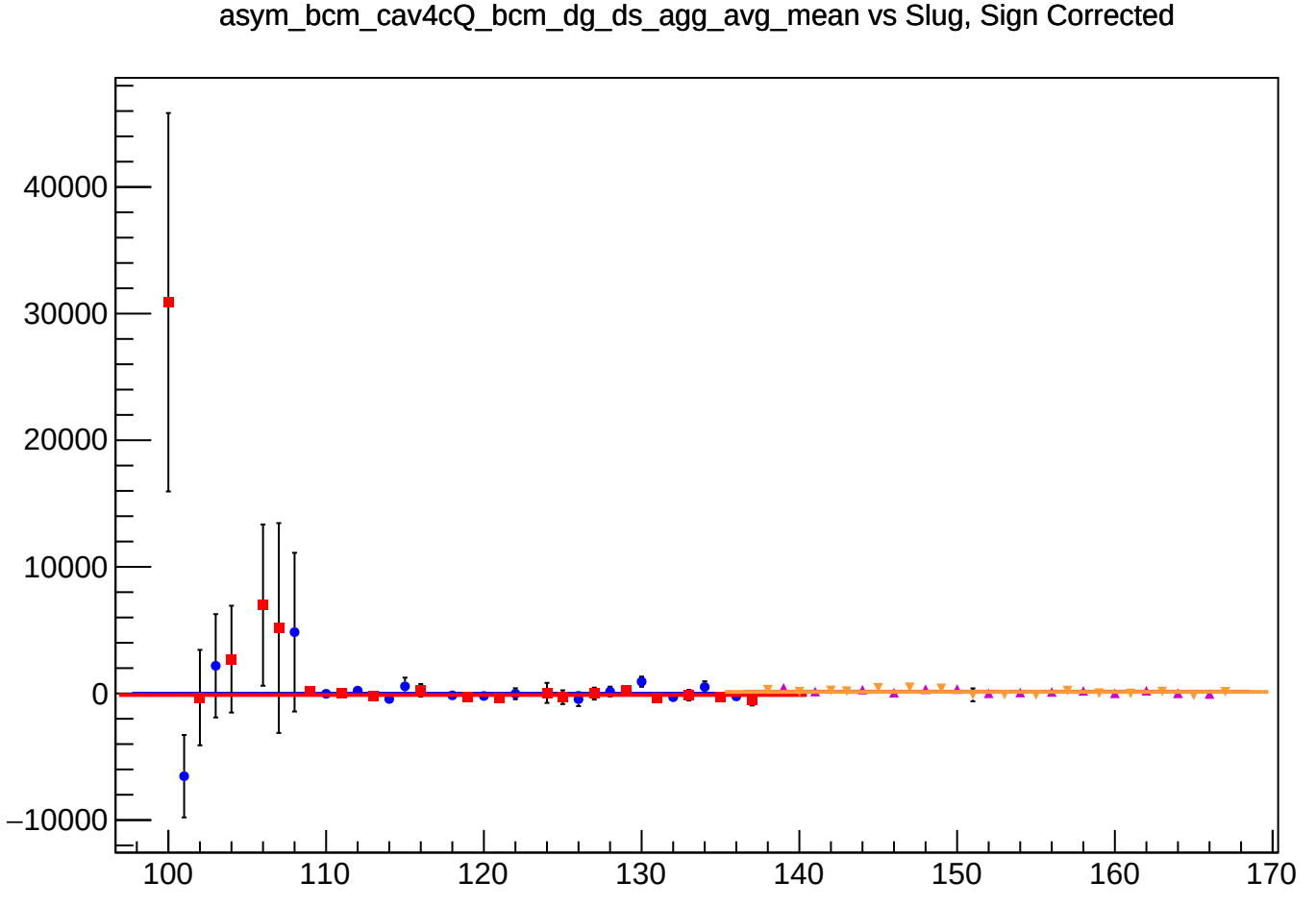
Left: 34.472+/-0.005 χ^2/NDF: 85652.5/29

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.282+/-0.006 χ^2/NDF:3295352.2/29

Out: 34.238+/-0.006 χ^2/NDF:3566954.8/34

All: 34.259+/-0.004 χ^2/NDF: 6862335.4/64



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 123.406+/-66.094 χ^2/NDF:7.5/15

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 141.633+/-57.862 χ^2/NDF:5.2/13

Left: 133.725+/-43.536 χ^2/NDF: 12.7/29

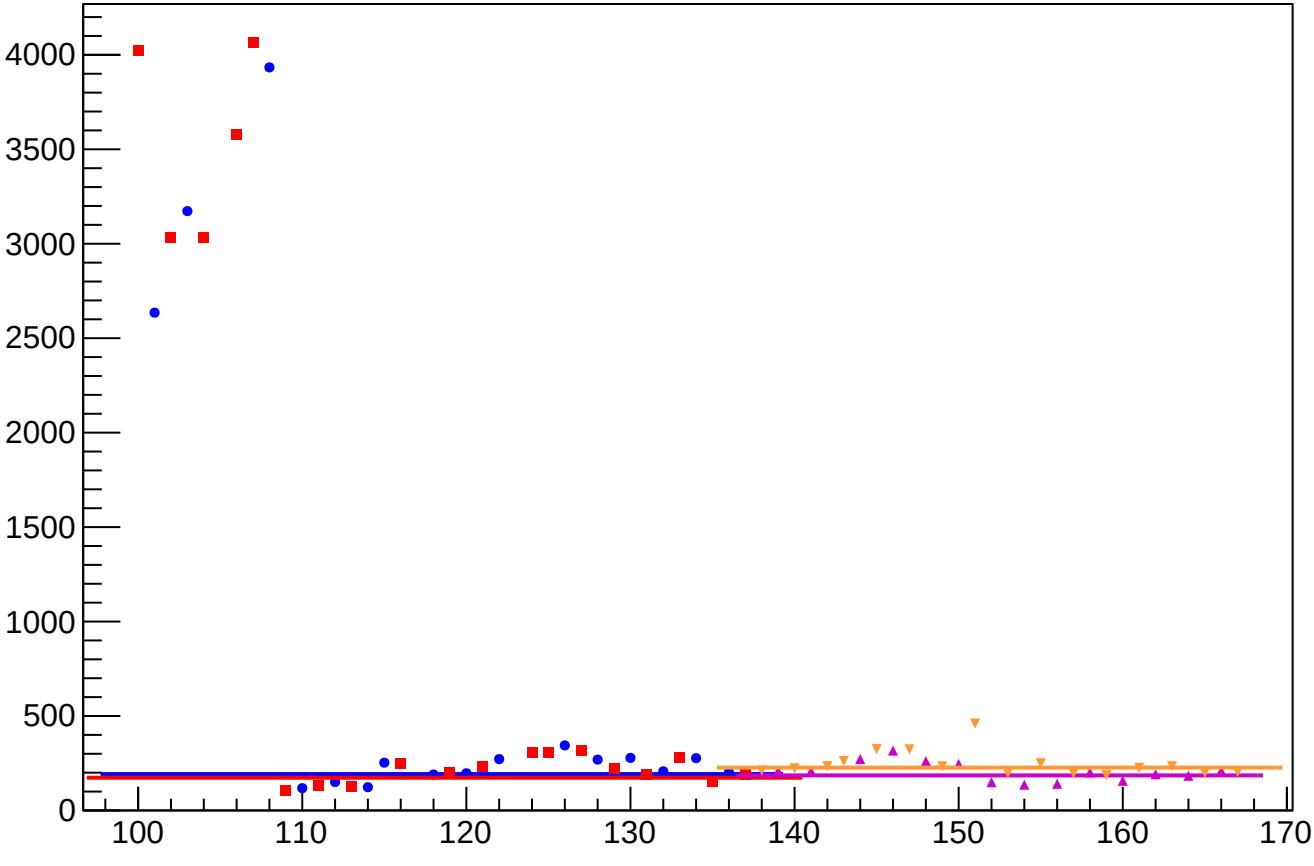
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 90.654+/-47.843 χ^2/NDF:25.8/29

Out: 22.398+/-50.548 χ^2/NDF:26.4/34

All: 58.401+/-34.747 χ^2/NDF: 53.2/64

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 226.812+/-0.047 χ^2/NDF:959365.4/15

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 185.552+/-0.041 χ^2/NDF:1275555.8/13

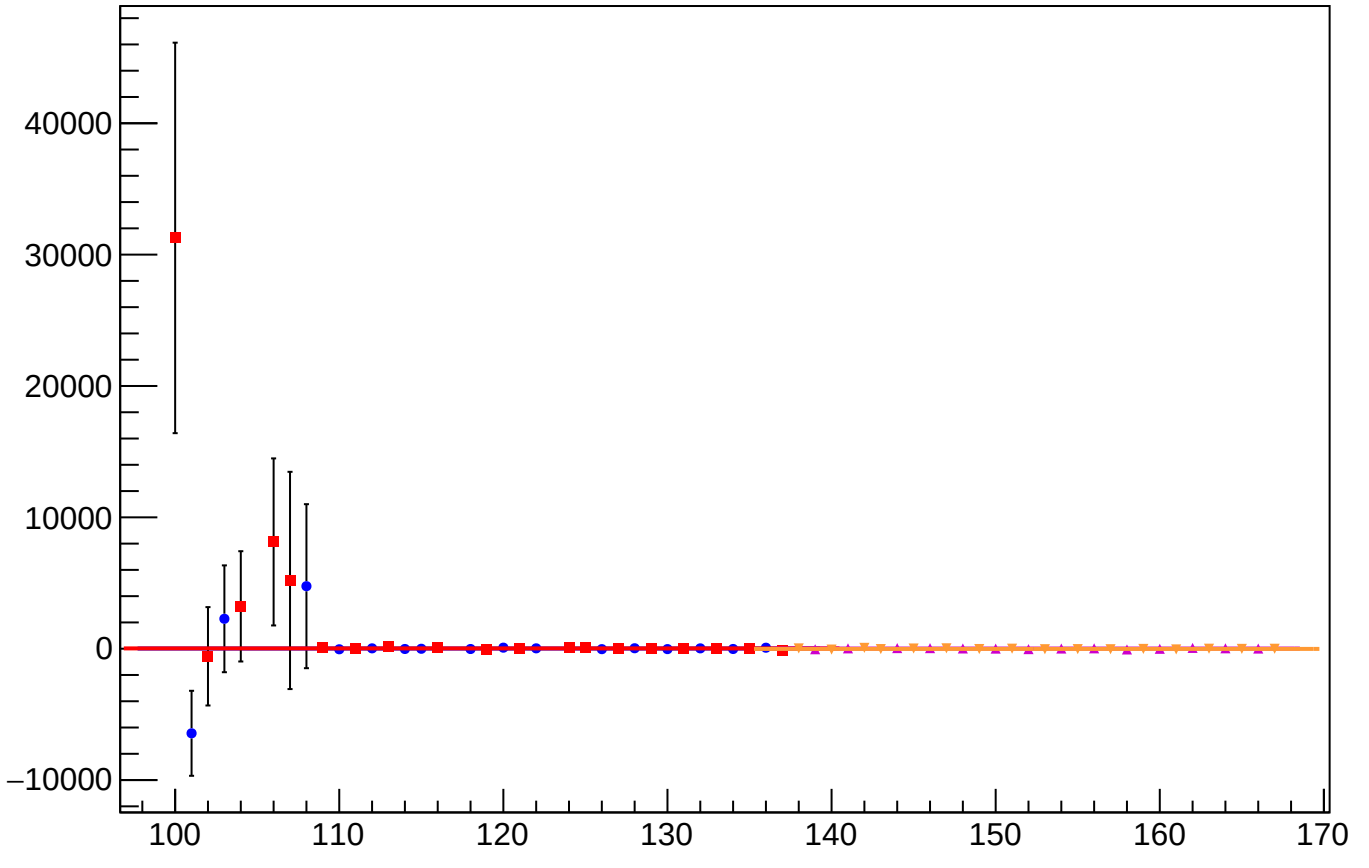
Left: 203.454+/-0.031 χ^2/NDF: 2676149.5/29

Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.769+/-0.034 χ^2/NDF:5107625.2/29

Out: 204.577+/-0.036 χ^2/NDF:5812034.2/34

All: 195.711+/-0.025 χ^2/NDF: 11036307.8/64



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.999+/-8.827 χ^2/NDF:11.7/15

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 10.647+/-9.227 χ^2/NDF:14.0/13

Left: -2.743+/-6.378 χ^2/NDF: 29.7/29

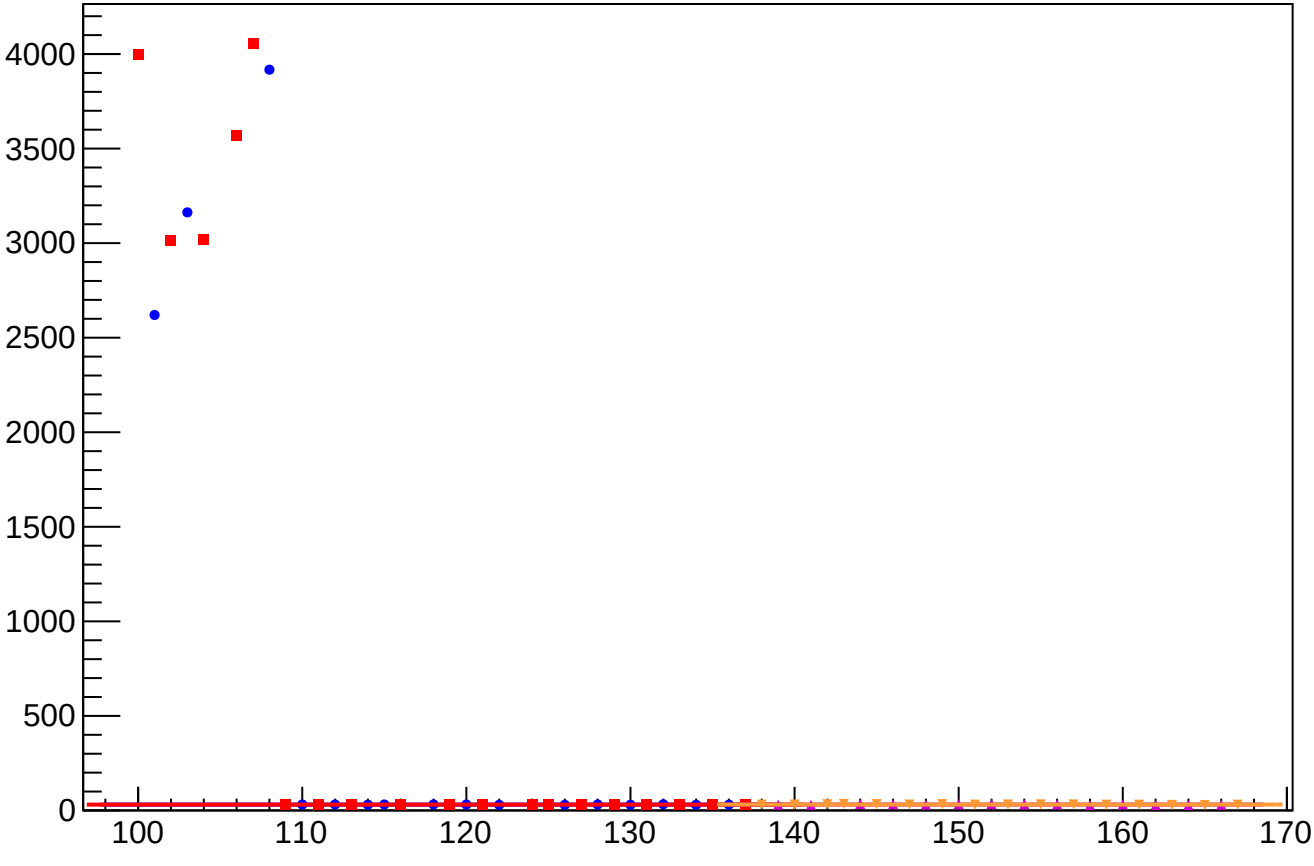
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 11.667+/-7.536 χ^2/NDF:29.5/29

Out: -3.162+/-7.334 χ^2/NDF:46.2/34

All: 4.052+/-5.256 χ^2/NDF: 77.7/64

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.291+/-0.006 χ^2/NDF:58029.2/15

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.239+/-0.007 χ^2/NDF:76642.5/13

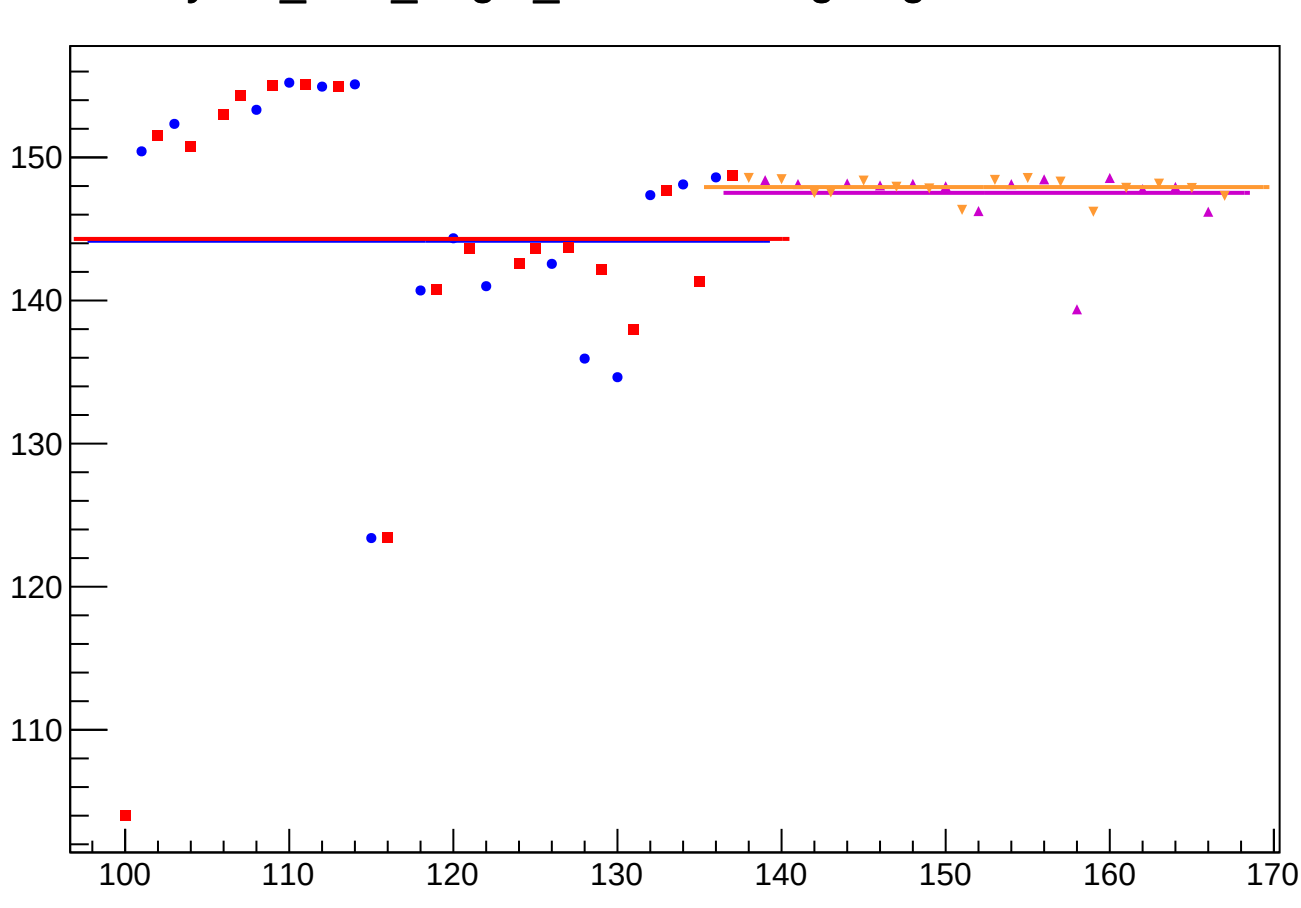
Left: 31.266+/-0.005 χ^2/NDF: 134705.6/29

Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

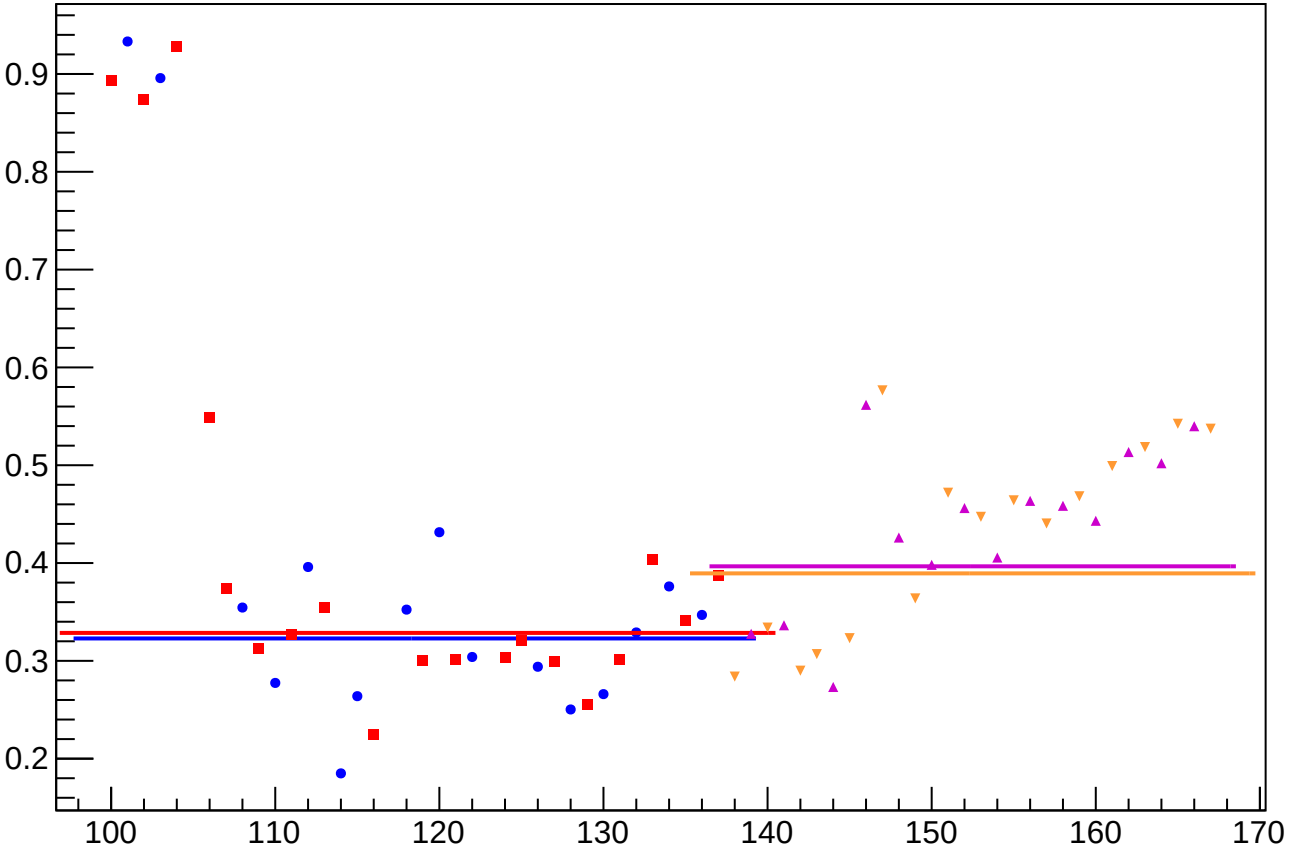
In: 31.135+/-0.005 χ^2/NDF:3330003.6/29

Out: 31.132+/-0.005 χ^2/NDF:3596366.4/34

All: 31.134+/-0.004 χ^2/NDF: 6926370.2/64


yield_bcm_target_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
170
Right In: 144.176+/-0.000 χ²/NDF: 3724747268.7/15
Left Out: 147.927+/-0.000 χ²/NDF:33805600.9/15
Right Out: 144.304+/-0.000 χ²/NDF: 4264494940.7/18
Left In: 147.524+/-0.000 χ²/NDF:288166055.9/13
Left: 147.738+/-0.000 χ²/NDF: 327747801.2/29
Right: 144.240+/-0.000 χ²/NDF: 7989709366.0/34
In: 145.987+/-0.000 χ²/NDF:4358862838.2/29
Out: 146.378+/-0.000 χ²/NDF:4722551814.9/34
All: 146.188+/-0.000 χ²/NDF: 9091241934.9

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.389+/-0.000 χ^2/NDF:1275871.0/15

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.397+/-0.000 χ^2/NDF:955399.3/13

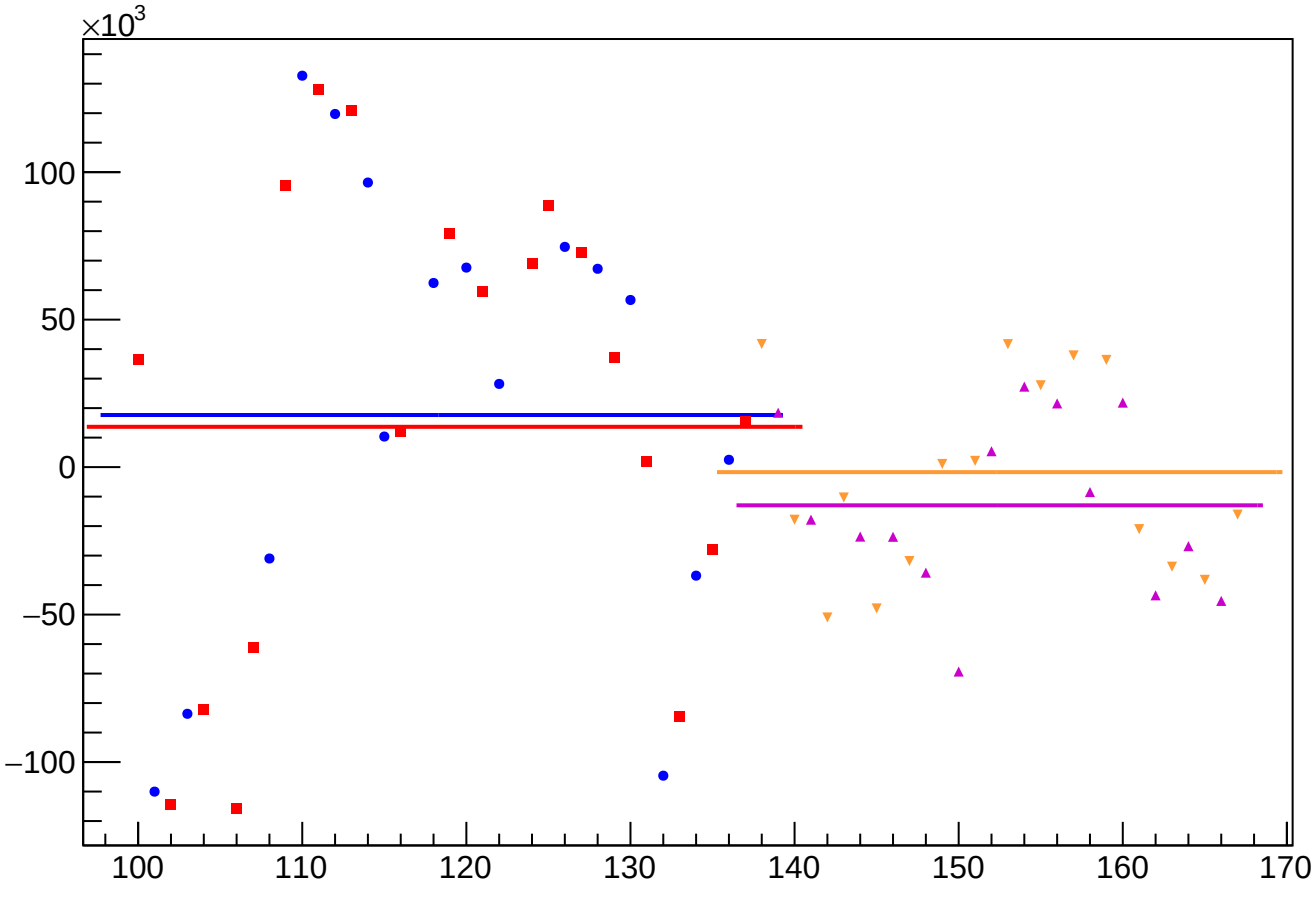
Left: 0.393+/-0.000 χ^2/NDF: 2234983.2/29

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.363+/-0.000 χ^2/NDF:2687201.0/29

Out: 0.363+/-0.000 χ^2/NDF:2819446.9/34

All: 0.363+/-0.000 χ^2/NDF: 5506699.3/64



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -1704.732+/-1.381 χ^2/NDF:518453150.2/15

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -12954.395+/-1.454 χ^2/NDF:414155450.8/13

Left: -7038.213+/-1.001 χ^2/NDF: 964085202.6/29

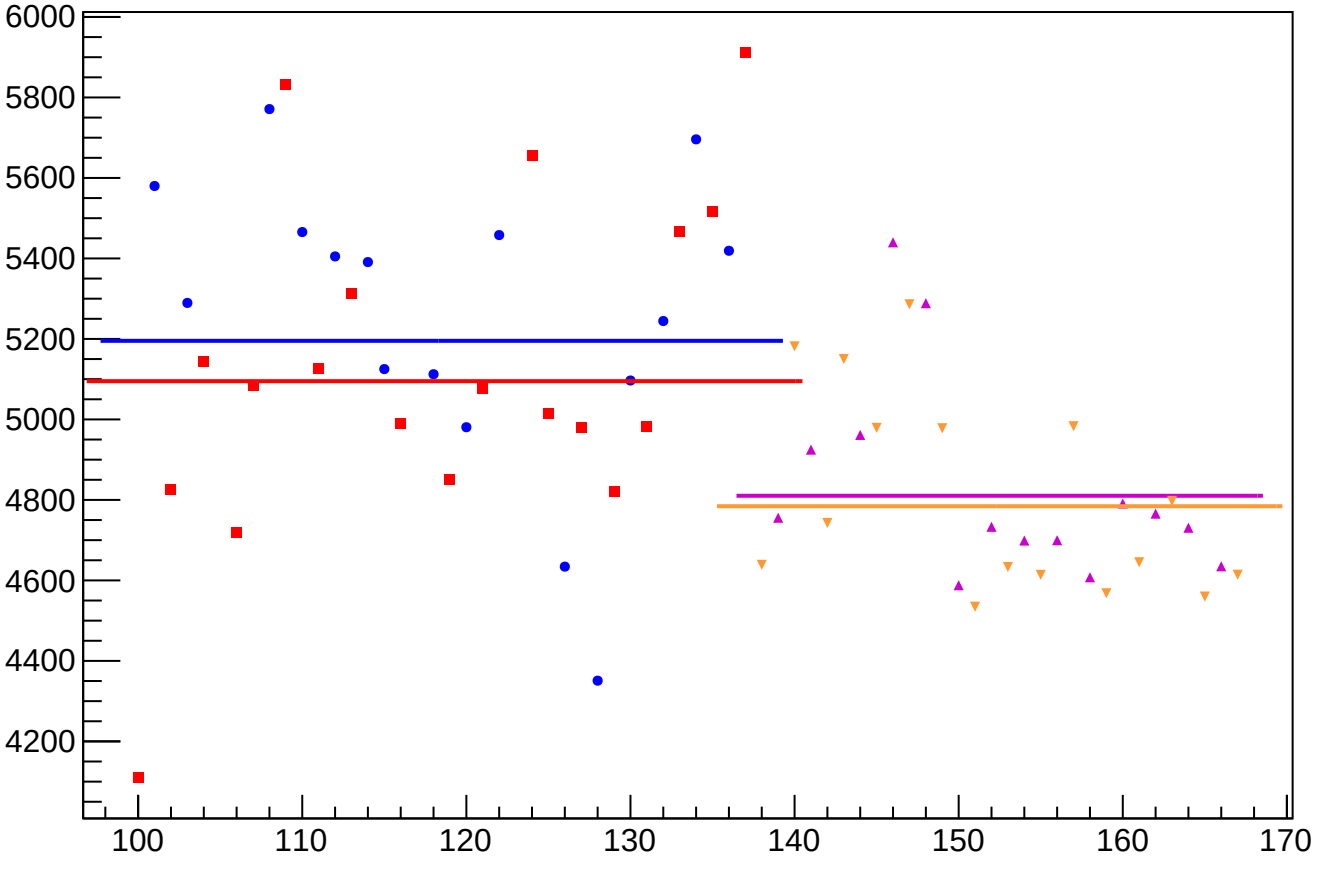
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -2404.514+/-1.177 χ^2/NDF:1965662654.0/29

Out: 3516.688+/-1.122 χ^2/NDF:2417520614.5/34

All: 698.505+/-0.812 χ^2/NDF: 4396441021.0

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4784.305+/-0.976 χ^2/NDF:58159.6/15

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4810.317+/-1.028 χ^2/NDF:48520.1/13

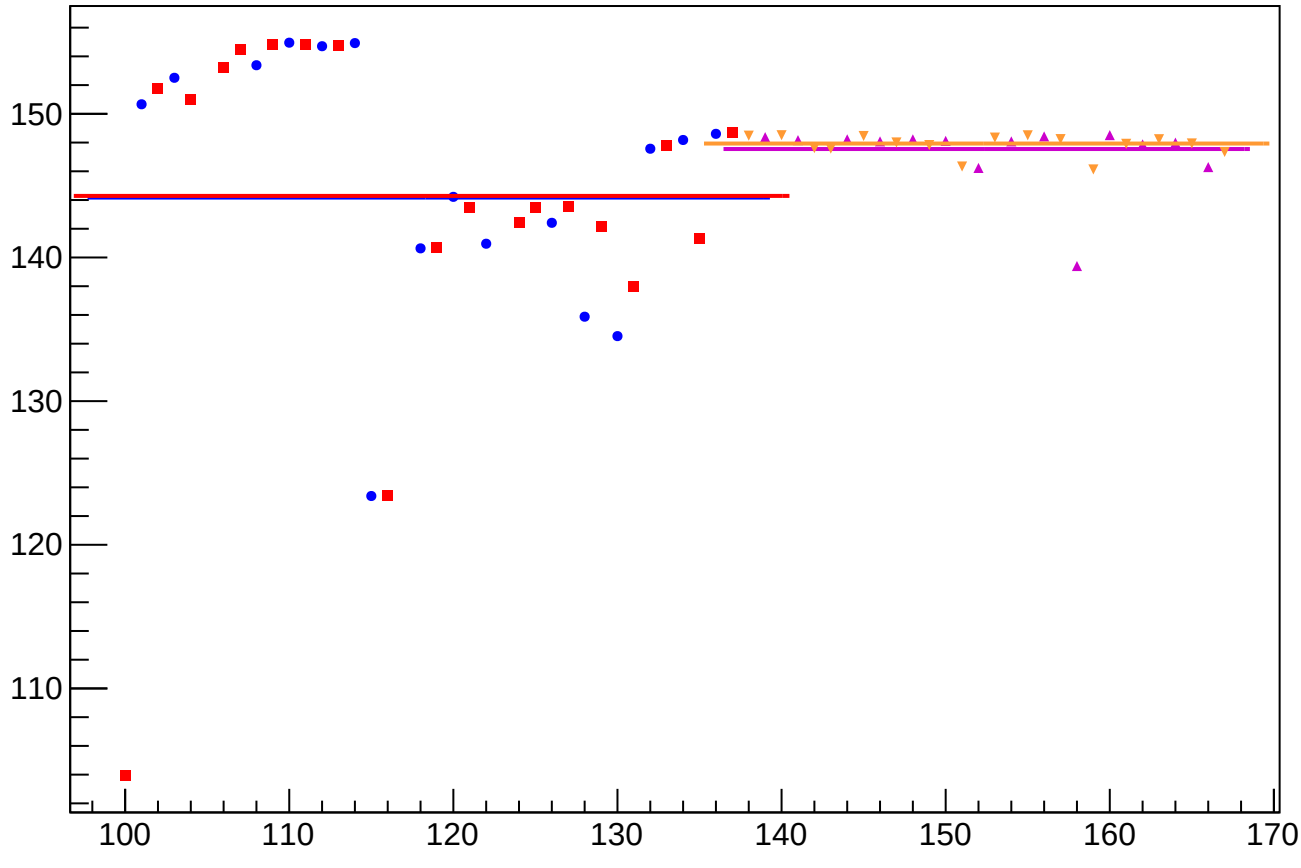
Left: 4796.638+/-0.708 χ^2/NDF: 107016.3/29

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4942.968+/-0.832 χ^2/NDF:173990.2/29

Out: 4889.862+/-0.793 χ^2/NDF:151687.0/34

All: 4915.137+/-0.574 χ^2/NDF: 327810.0/64



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.932+/-0.000 χ^2/NDF:33784932.0/15

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.550+/-0.000 χ^2/NDF:289037681.3/13

Left: 147.752+/-0.000 χ^2/NDF: 328046515.9/29

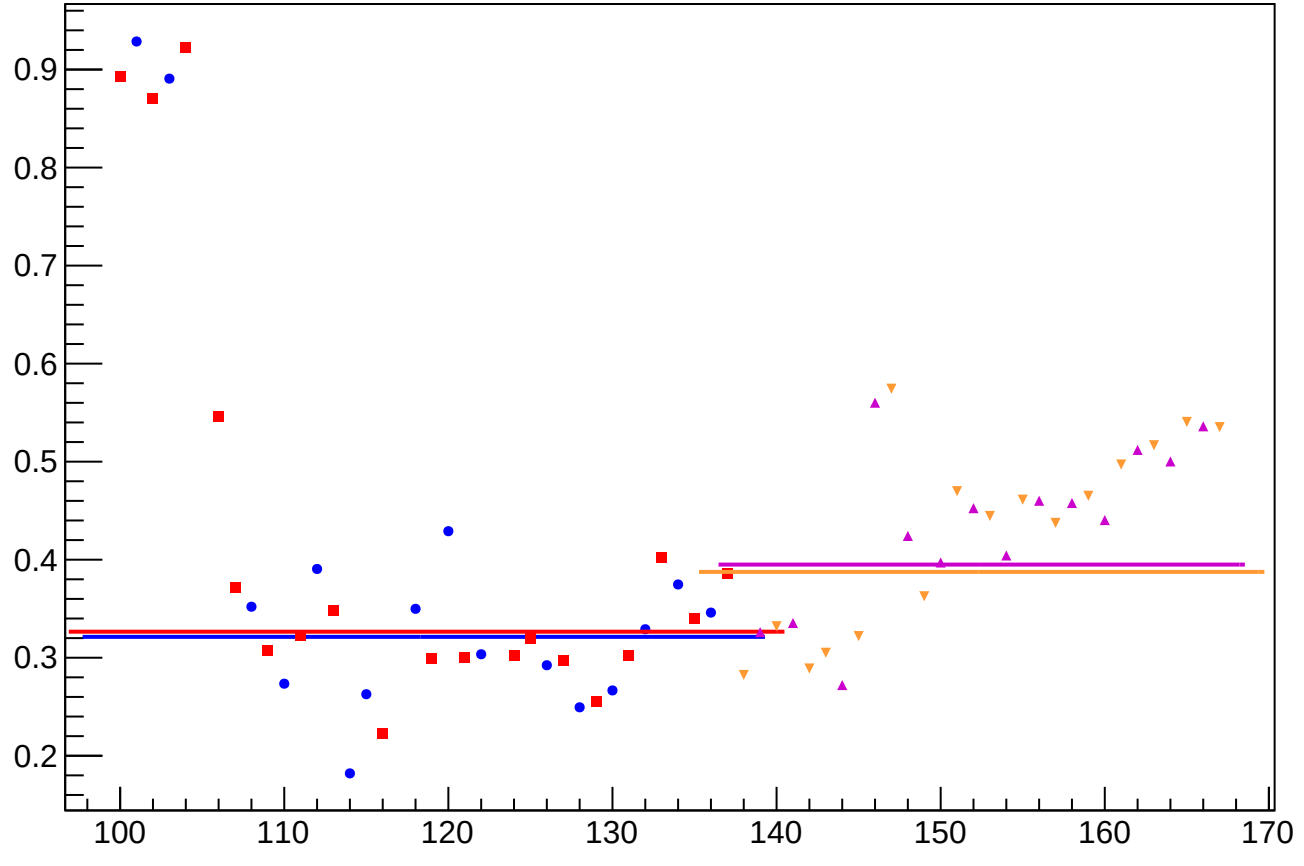
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.997+/-0.000 χ^2/NDF:4409361381.7/29

Out: 146.371+/-0.000 χ^2/NDF:4758243994.9/34

All: 146.190+/-0.000 χ^2/NDF: 9176652186.6

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.388+/-0.000 χ^2/NDF:1276696.3/15

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.395+/-0.000 χ^2/NDF:952977.0/13

Left: 0.391+/-0.000 χ^2/NDF: 2233668.0/29

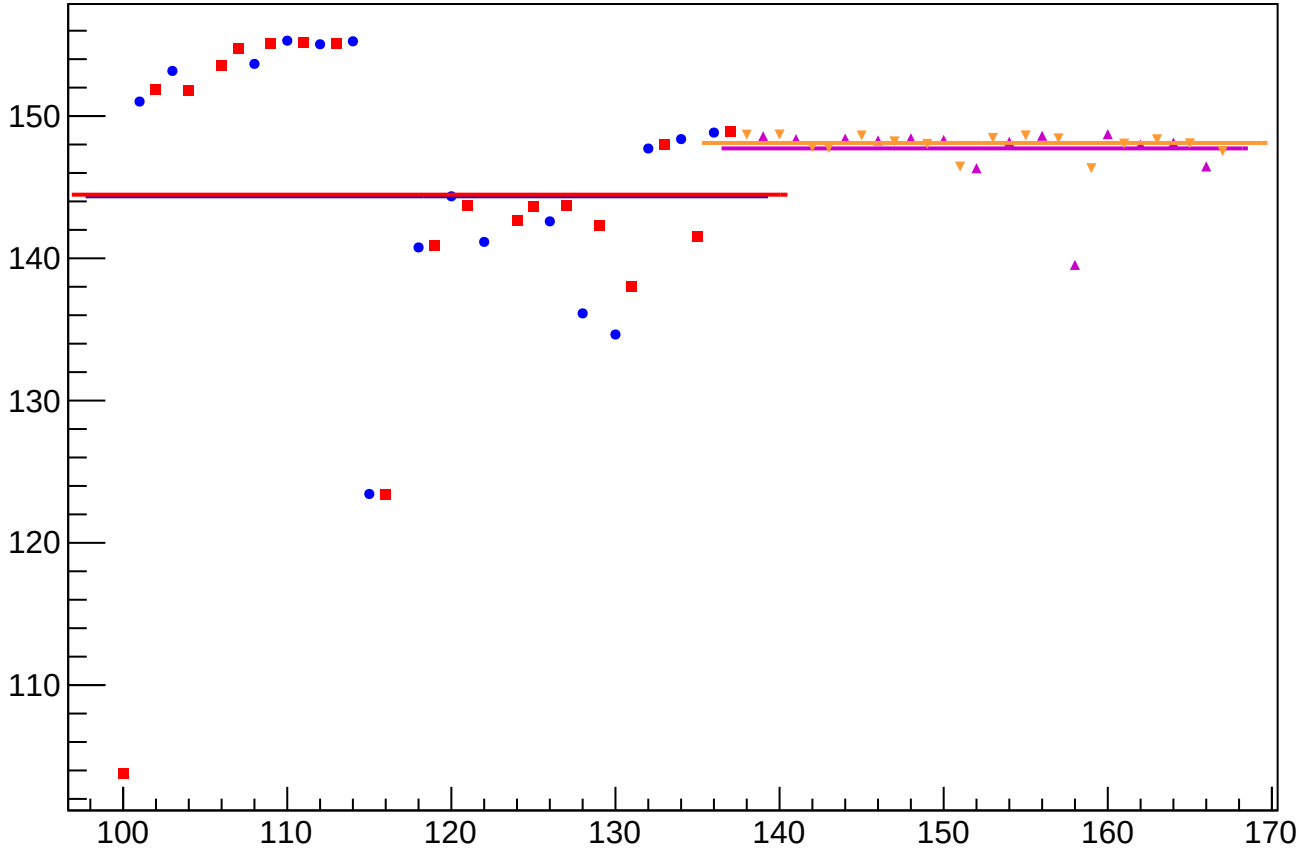
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.361+/-0.000 χ^2/NDF:2687737.3/29

Out: 0.361+/-0.000 χ^2/NDF:2822555.2/34

All: 0.361+/-0.000 χ^2/NDF: 5510305.7/64

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.110+/-0.000 χ^2/NDF:33732568.3/15

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.726+/-0.000 χ^2/NDF:293269484.1/13

Left: 147.930+/-0.000 χ^2/NDF: 332237938.5/29

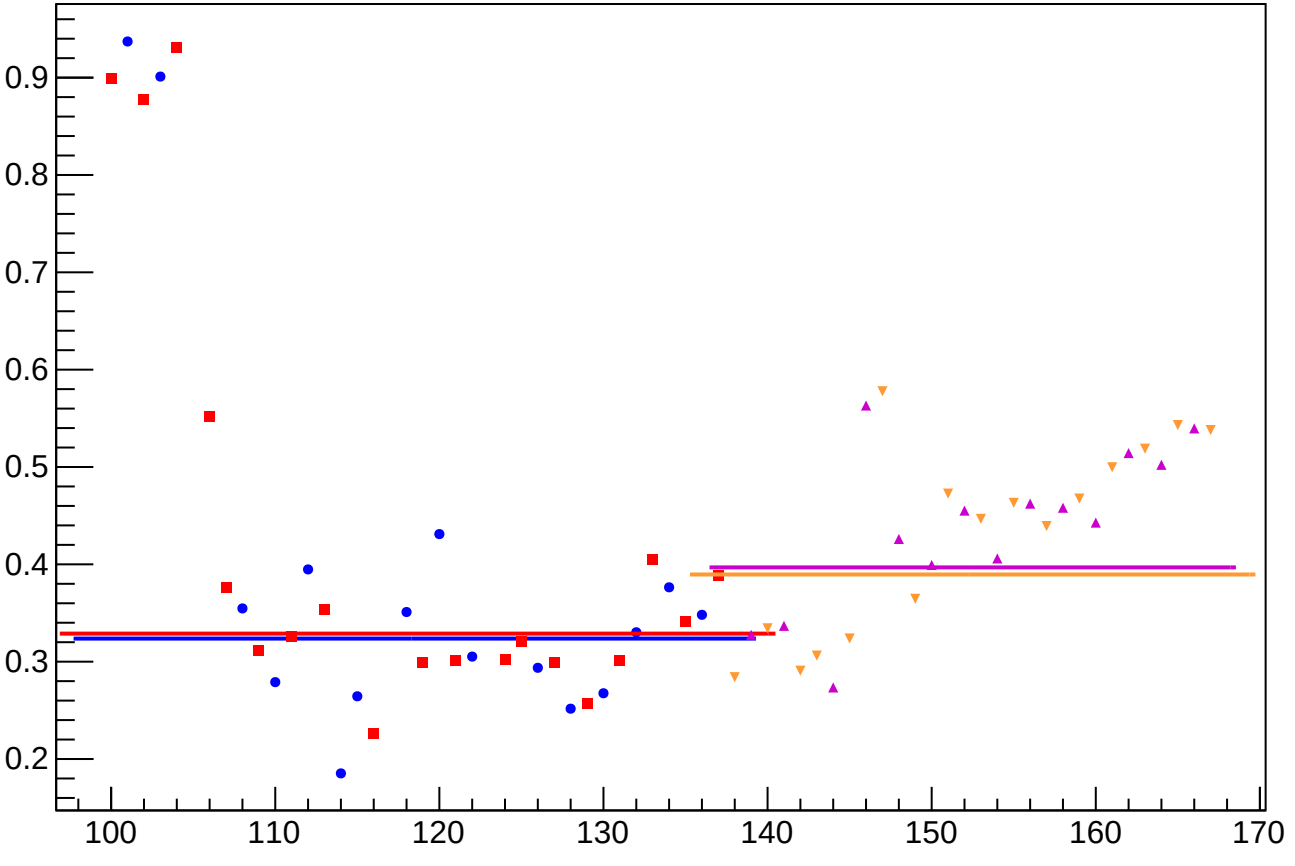
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.184+/-0.000 χ^2/NDF:4400444638.6/29

Out: 146.557+/-0.000 χ^2/NDF:4742427619.7/34

All: 146.376+/-0.000 χ^2/NDF: 9151776148.7

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.390+/-0.000 χ^2/NDF:1274432.2/15

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.397+/-0.000 χ^2/NDF:952540.6/13

Left: 0.393+/-0.000 χ^2/NDF: 2230749.3/29

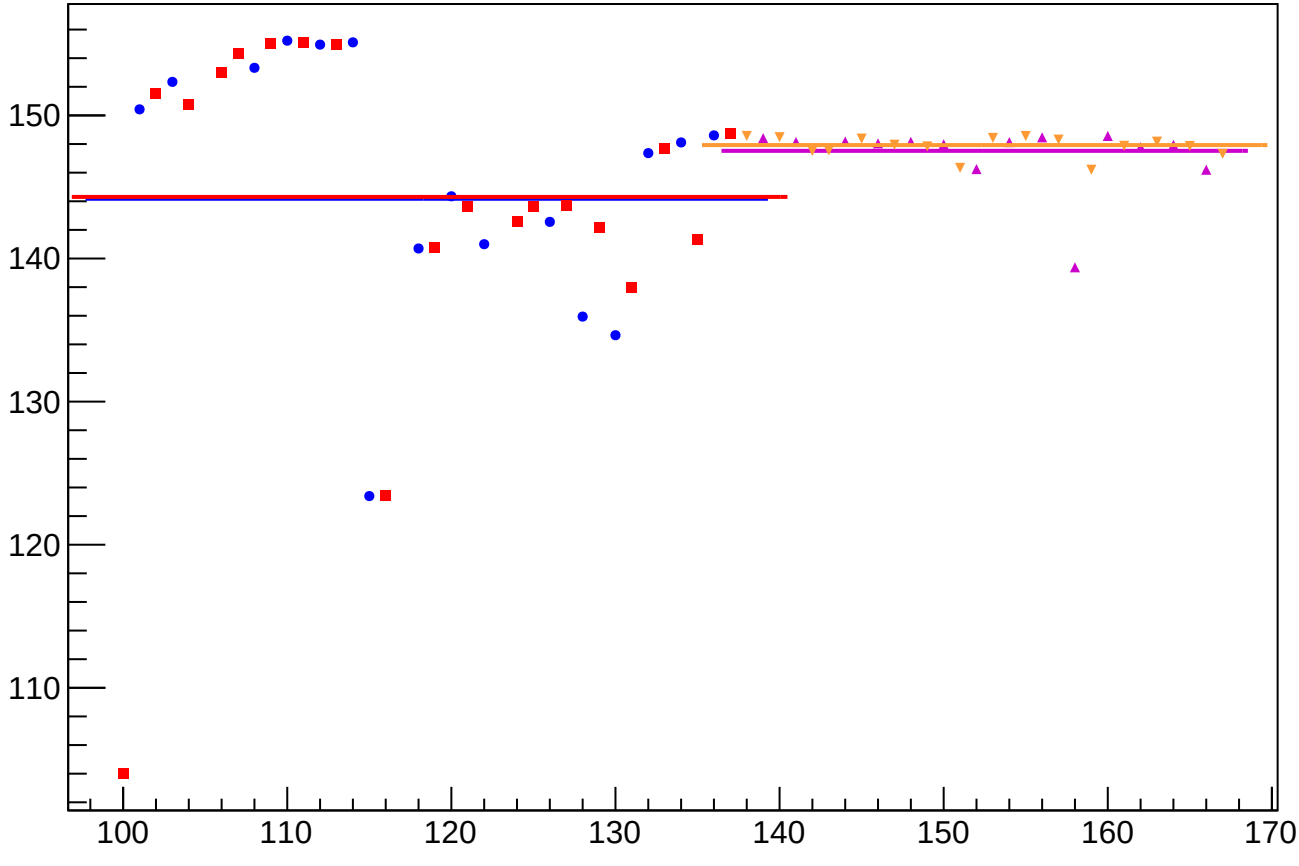
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.363+/-0.000 χ^2/NDF:2674107.4/29

Out: 0.364+/-0.000 χ^2/NDF:2815893.1/34

All: 0.363+/-0.000 χ^2/NDF: 5490010.9/64

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.927+/-0.000 χ^2/NDF:33805600.9/15

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.524+/-0.000 χ^2/NDF:288166055.9/13

Left: 147.738+/-0.000 χ^2/NDF: 327747801.2/29

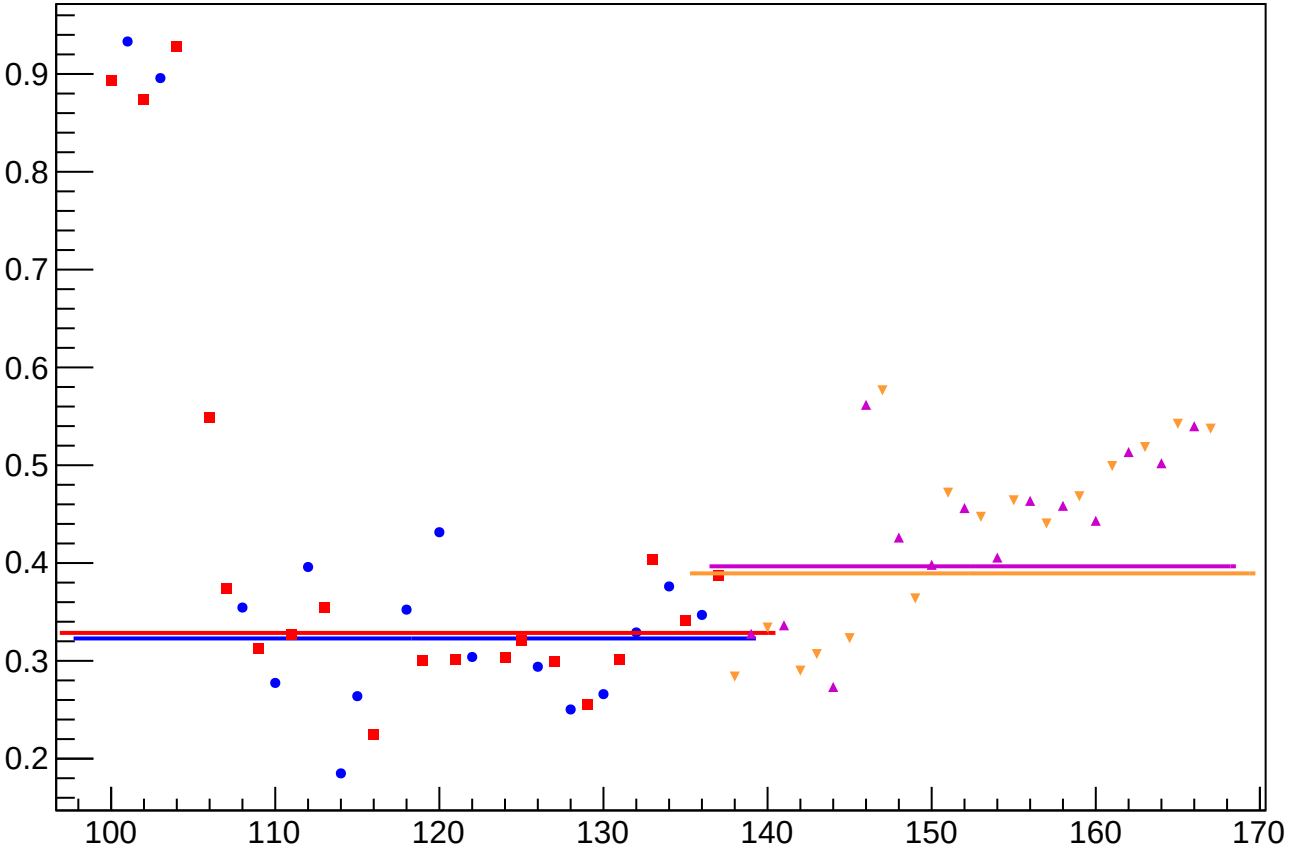
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.987+/-0.000 χ^2/NDF:4358862838.2/29

Out: 146.378+/-0.000 χ^2/NDF:4722551814.9/34

All: 146.188+/-0.000 χ^2/NDF: 9091241934.9

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.389+/-0.000 χ^2/NDF:1275871.0/15

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.397+/-0.000 χ^2/NDF:955399.3/13

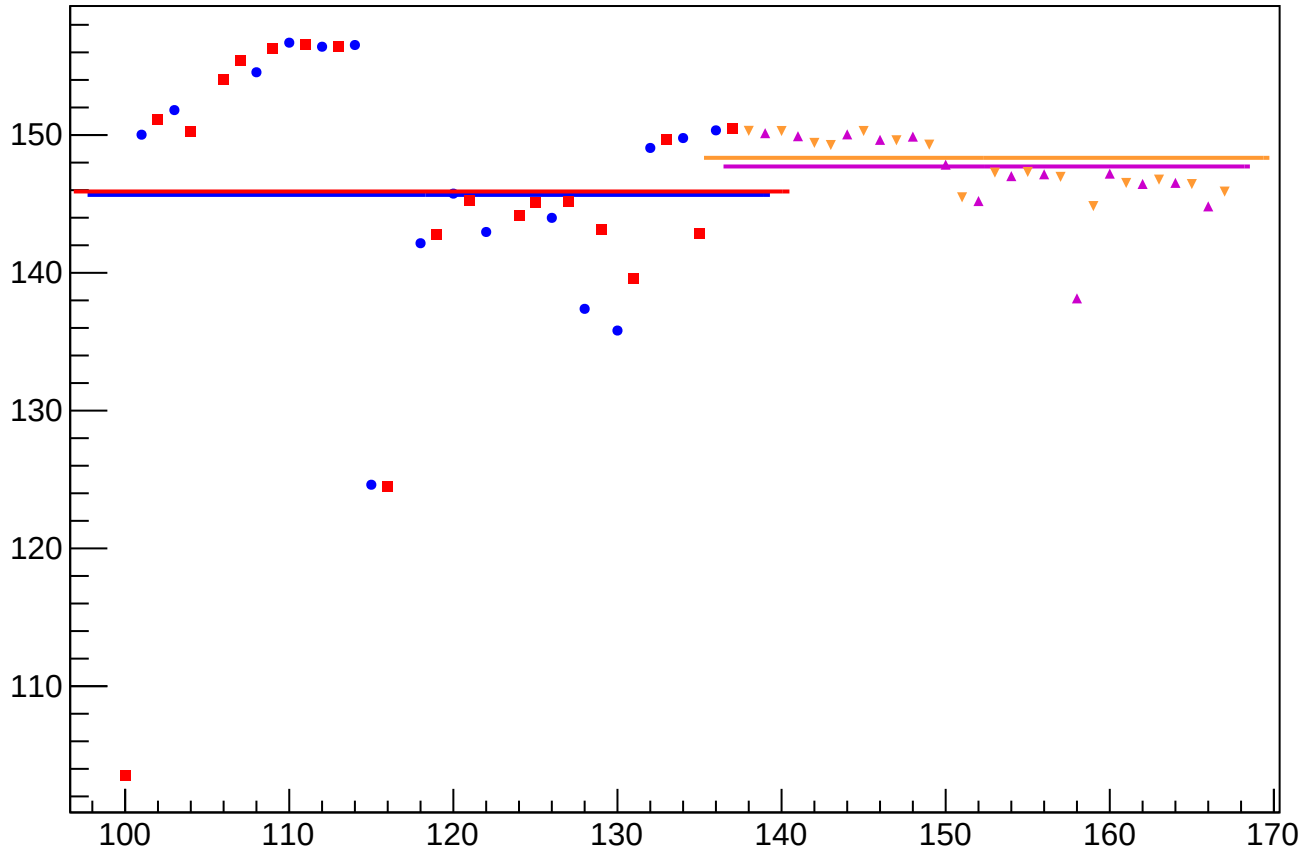
Left: 0.393+/-0.000 χ^2/NDF: 2234983.2/29

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.363+/-0.000 χ^2/NDF:2687201.0/29

Out: 0.363+/-0.000 χ^2/NDF:2819446.9/34

All: 0.363+/-0.000 χ^2/NDF: 5506699.3/64



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.347+/-0.000 χ^2/NDF:231134789.0/15

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.719+/-0.000 χ^2/NDF:546239798.4/13

Left: 148.049+/-0.000 χ^2/NDF: 790395770.4/29

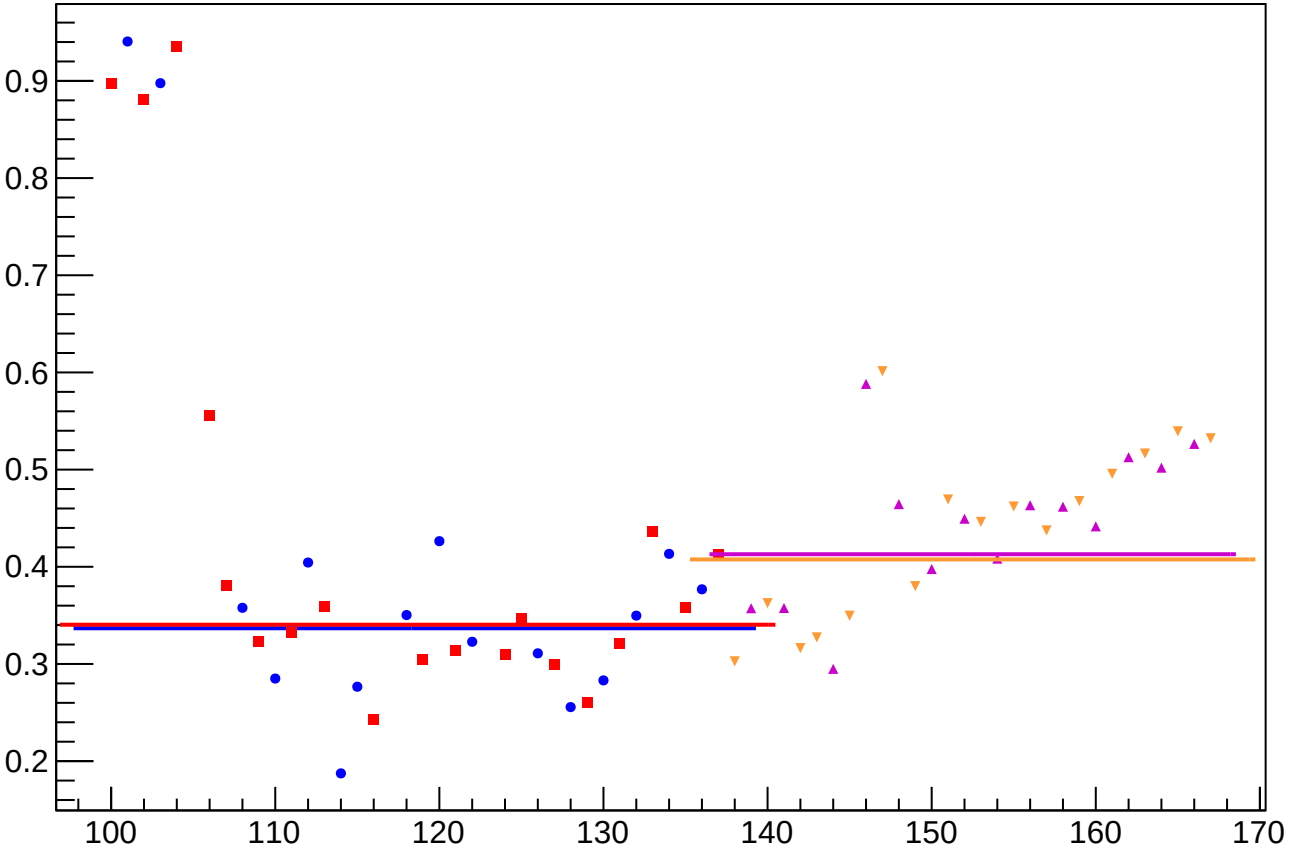
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.779+/-0.000 χ^2/NDF:4149077782.7/29

Out: 147.297+/-0.000 χ^2/NDF:4272953396.9/34

All: 147.046+/-0.000 χ^2/NDF: 8437936103.1

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:950905.1/15

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.413+/-0.000 χ^2/NDF:730261.6/13

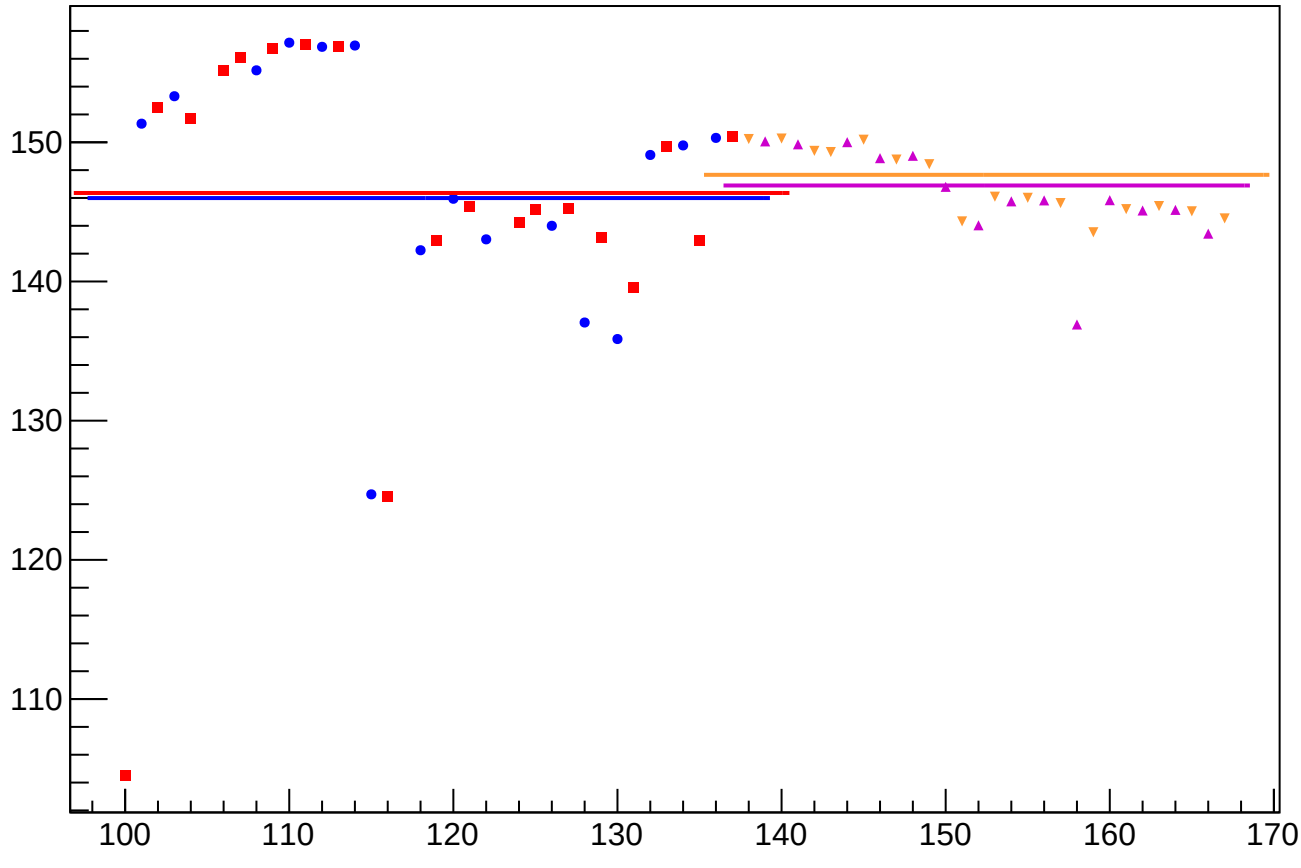
Left: 0.410+/-0.000 χ^2/NDF: 1683060.5/29

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

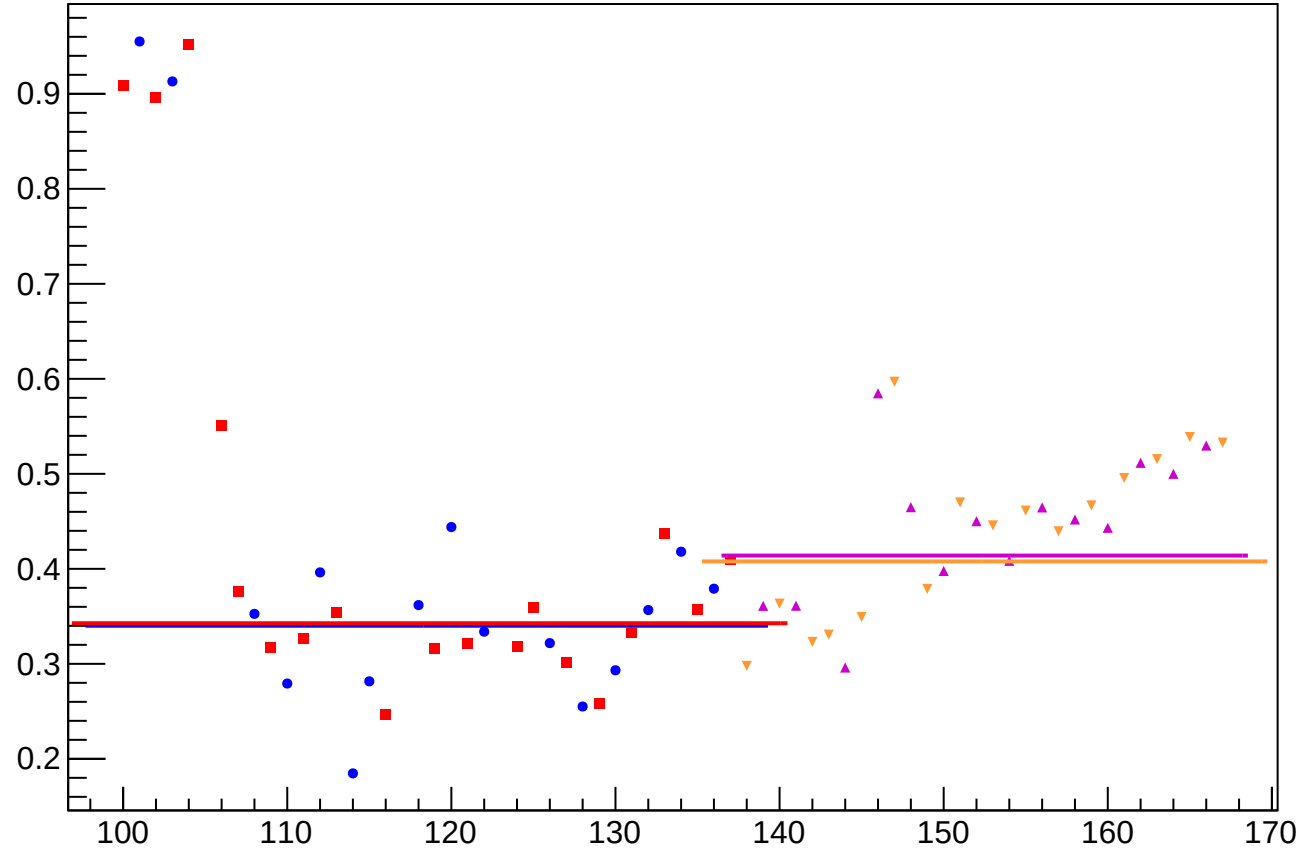
In: 0.378+/-0.000 χ^2/NDF:2432075.0/29

Out: 0.379+/-0.000 χ^2/NDF:2496239.1/34

All: 0.378+/-0.000 χ^2/NDF: 4928341.3/64


yield_bcm_dg_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
170
Right In: 145.993+/-0.000 χ²/NDF: 3621634656.4/15
Left Out: 147.662+/-0.000 χ²/NDF:388459867.8/15
Right Out: 146.358+/-0.000 χ²/NDF: 3963122316.1/18
Left In: 146.897+/-0.000 χ²/NDF:717263099.6/13
Left: 147.301+/-0.000 χ²/NDF: 1125005075.4/29
Right: 146.176+/-0.000 χ²/NDF: 7588198619.6/34
In: 146.489+/-0.000 χ²/NDF:4361873170.6/29
Out: 147.106+/-0.000 χ²/NDF:4402046039.3/34
All: 146.808+/-0.000 χ²/NDF: 8786286696.9

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.408+/-0.000 χ^2/NDF:944483.7/15

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.414+/-0.000 χ^2/NDF:701427.6/13

Left: 0.411+/-0.000 χ^2/NDF: 1648431.3/29

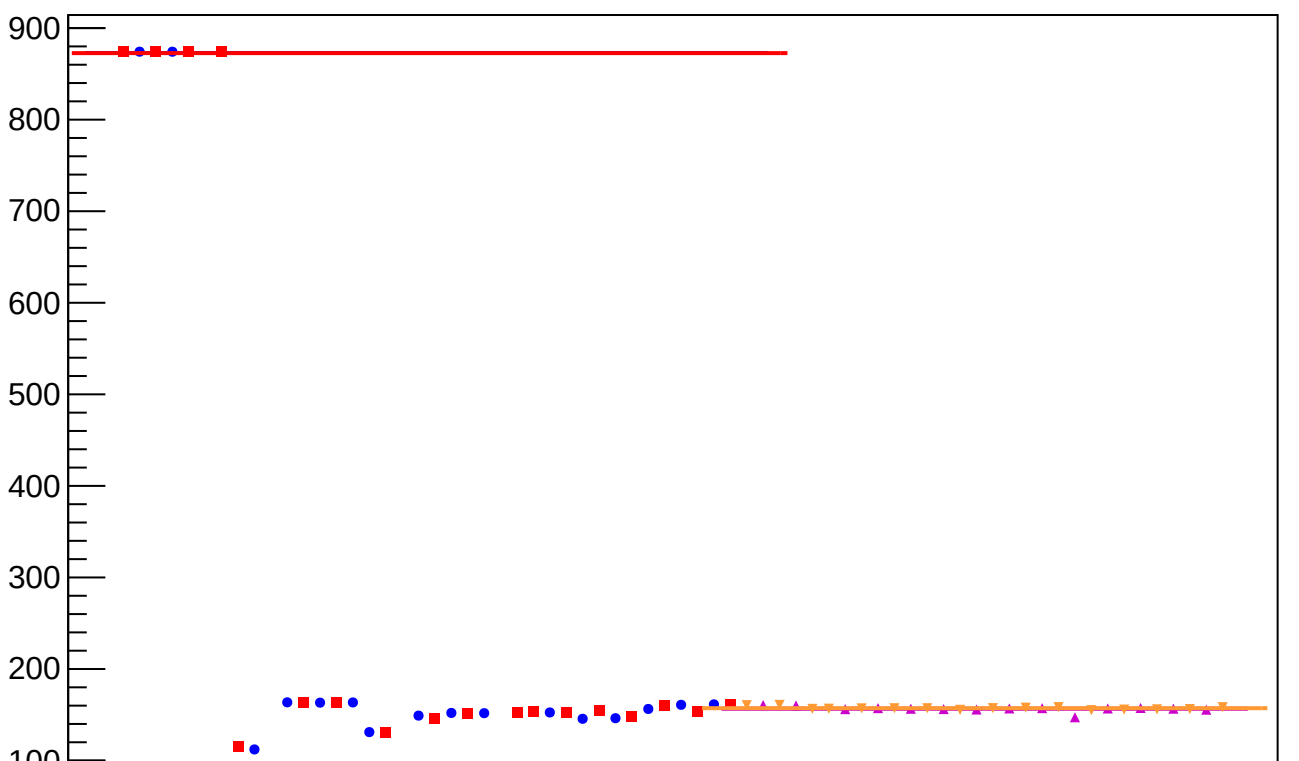
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.381+/-0.000 χ^2/NDF:2400981.8/29

Out: 0.380+/-0.000 χ^2/NDF:2466386.7/34

All: 0.380+/-0.000 χ^2/NDF: 4867415.9/64

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.216+/-0.000 χ^2/NDF:65087777.3/15

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.574+/-0.000 χ^2/NDF:167202348.3/13

Left: 156.910+/-0.000 χ^2/NDF: 236707297.9/29

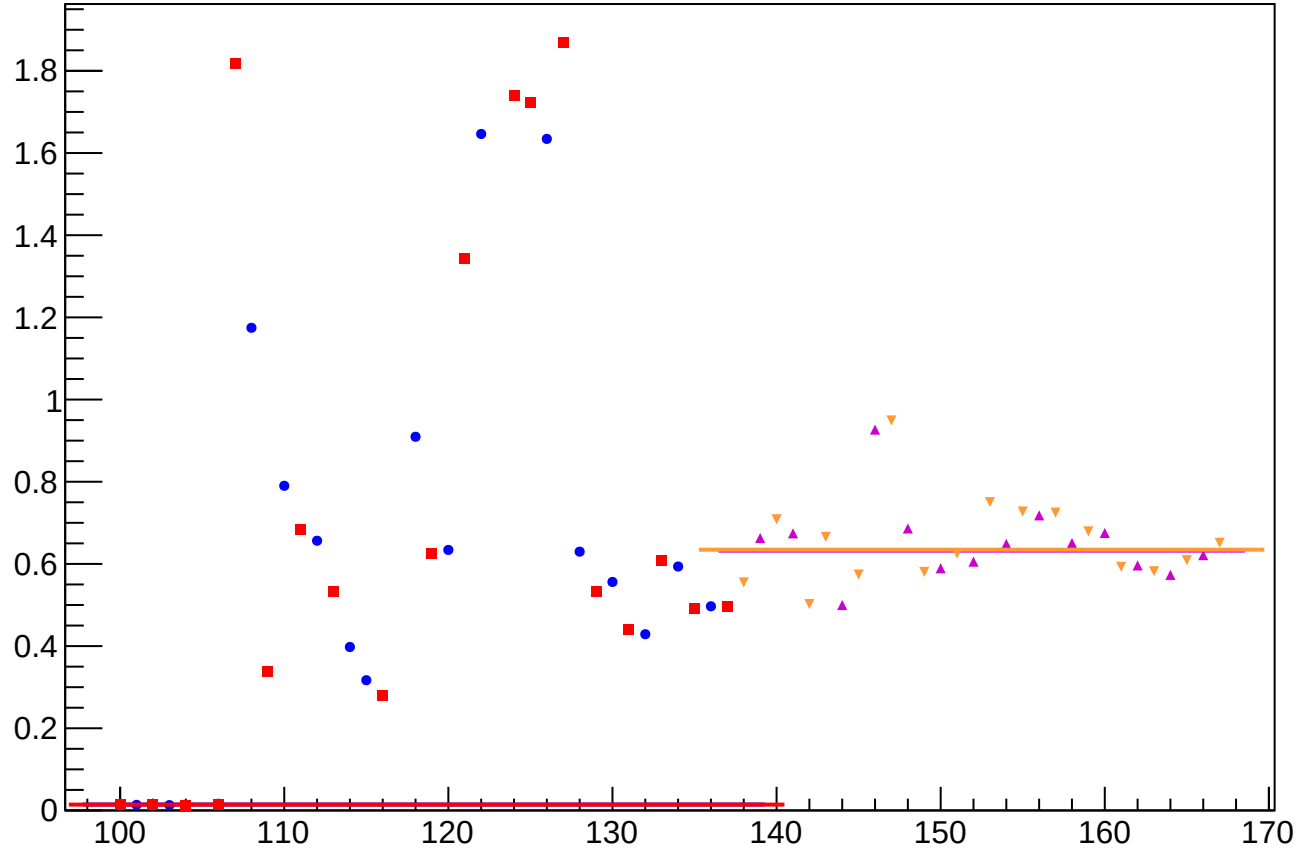
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.765+/-0.000 χ^2/NDF:17688820603783.7/2

Out: 870.724+/-0.000 χ^2/NDF:20630595095848.9

All: 870.743+/-0.000 χ^2/NDF: 38319422093

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.635+/-0.000 χ^2/NDF:302600.4/15

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.632+/-0.000 χ^2/NDF:243776.2/13

Left: 0.634+/-0.000 χ^2/NDF: 546492.8/29

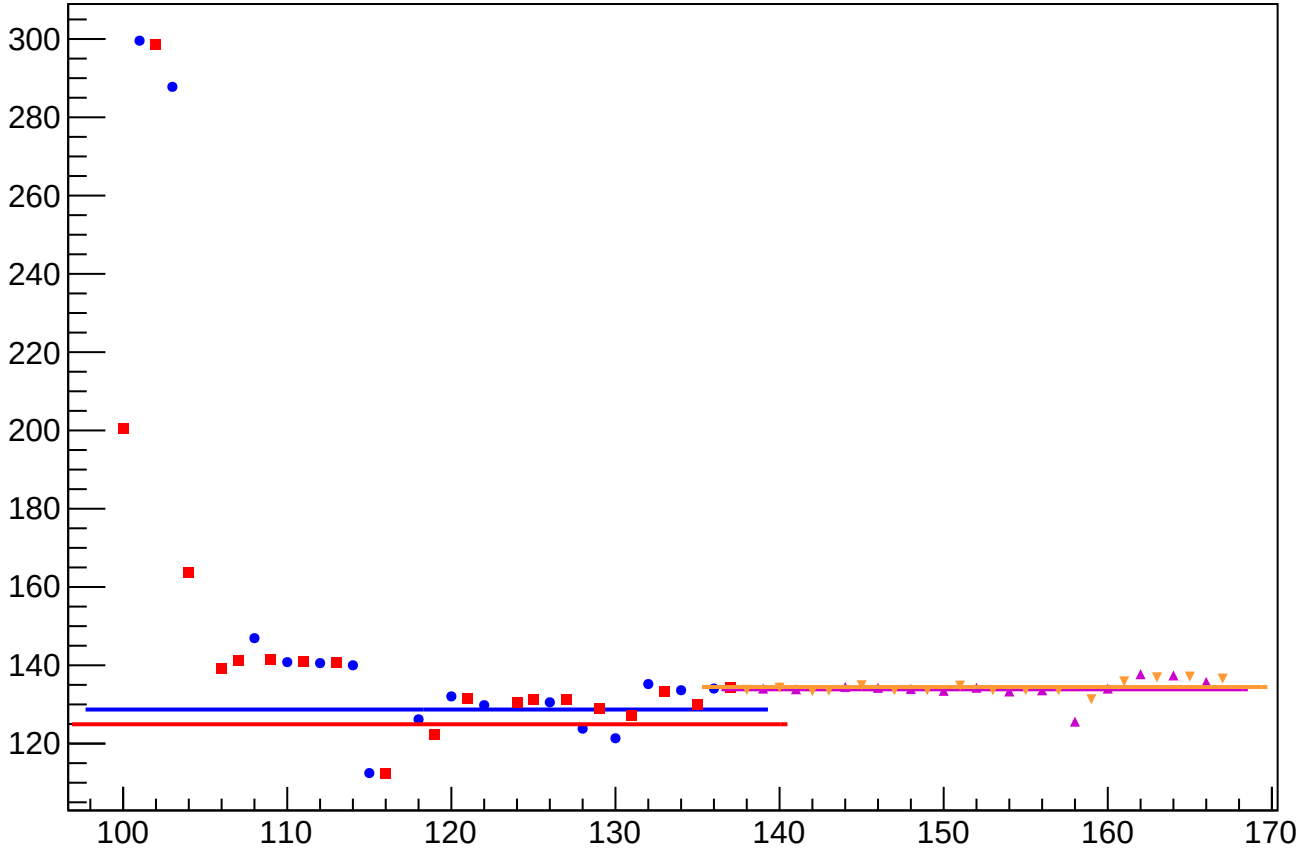
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:25491132.9/29

Out: 0.016+/-0.000 χ^2/NDF:26950388.3/34

All: 0.016+/-0.000 χ^2/NDF: 52441902.2/64

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.449+/-0.000 χ^2/NDF:116145384.9/15

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.865+/-0.000 χ^2/NDF:367573652.8/13

Left: 134.175+/-0.000 χ^2/NDF: 491903632.8/29

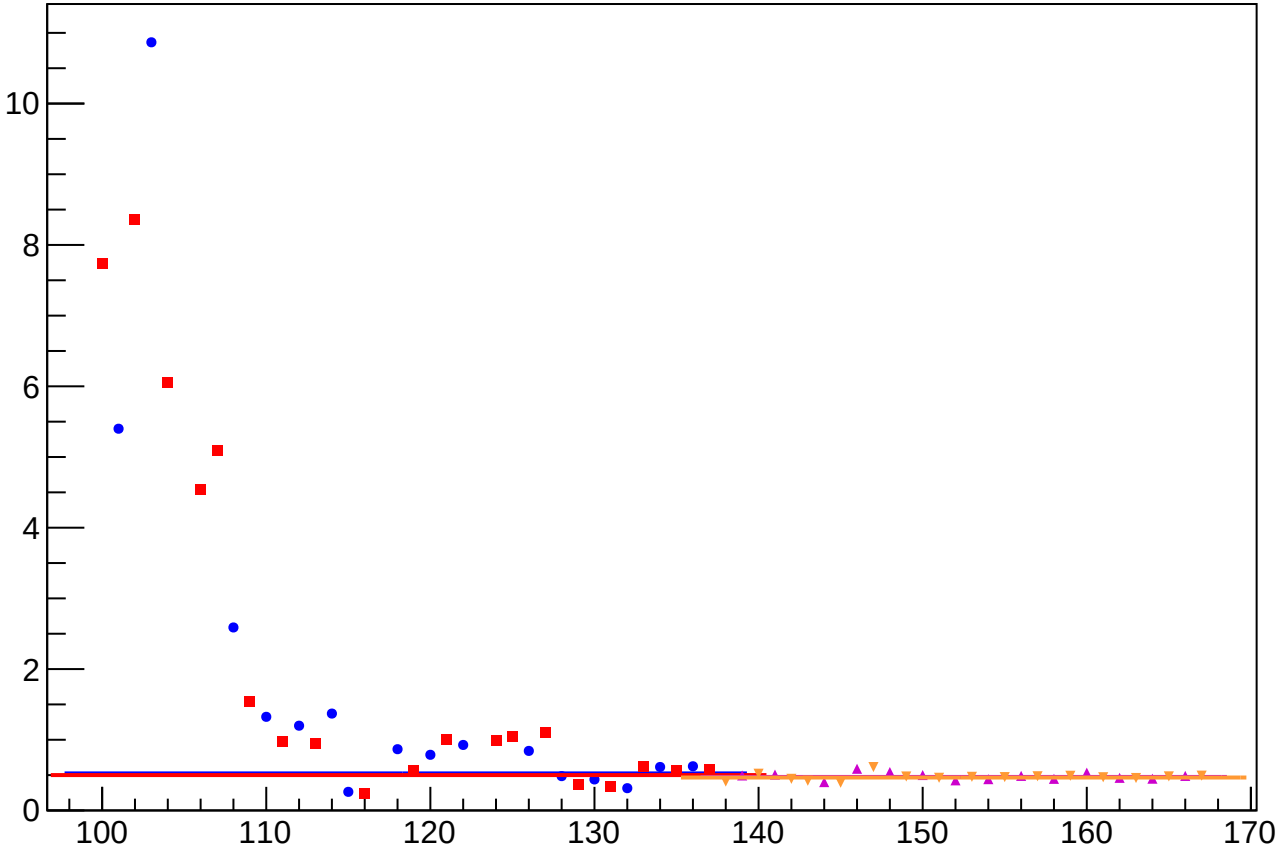
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.686+/-0.000 χ^2/NDF:2298880126.4/29

Out: 132.402+/-0.000 χ^2/NDF:2510714787.7/34

All: 132.536+/-0.000 χ^2/NDF: 4812093725.0

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.466+/-0.000 χ^2/NDF:201515.3/15

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.474+/-0.000 χ^2/NDF:215259.2/13

Left: 0.470+/-0.000 χ^2/NDF: 419822.8/29

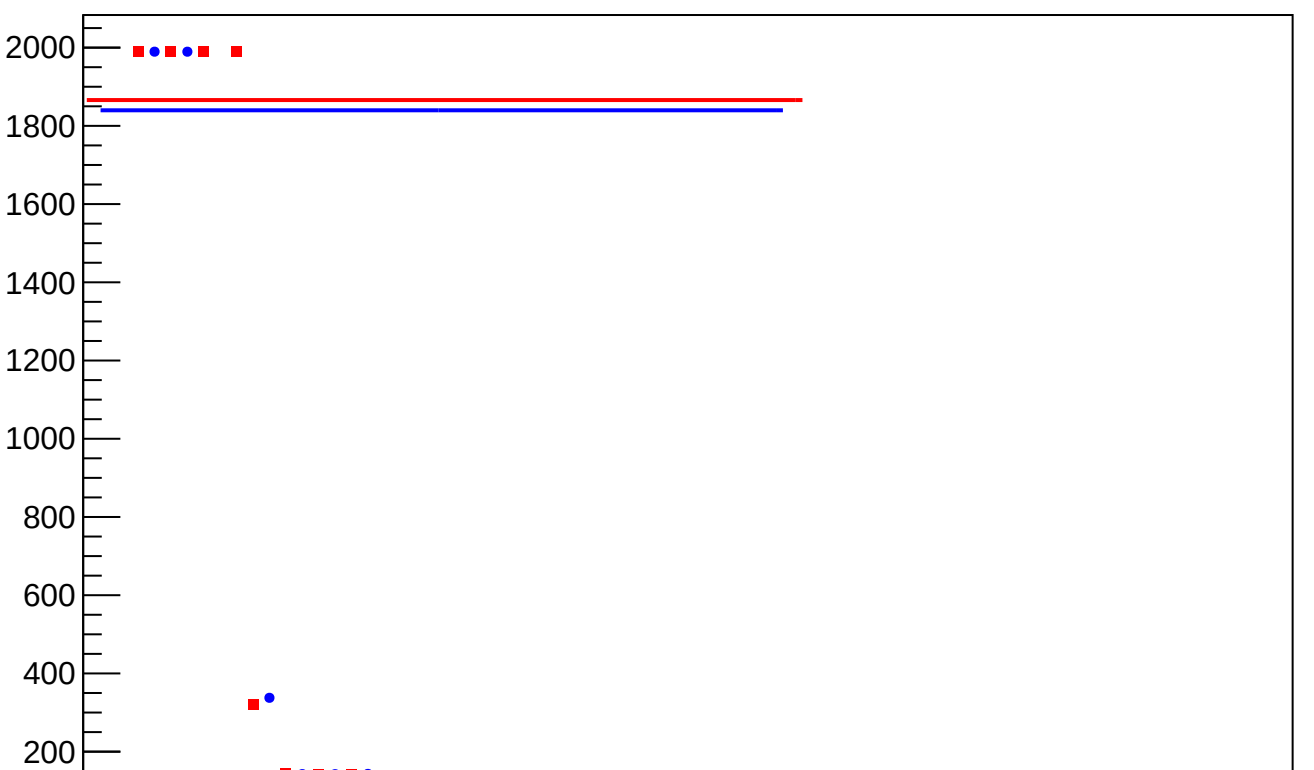
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.485+/-0.000 χ^2/NDF:4405403.5/29

Out: 0.473+/-0.000 χ^2/NDF:5111907.4/34

All: 0.479+/-0.000 χ^2/NDF: 9526149.7/64

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.467+/-0.000 χ^2/NDF:58227228.7/15

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.181+/-0.000 χ^2/NDF:225969083.6/13

Left: 137.333+/-0.000 χ^2/NDF: 286960201.3/29

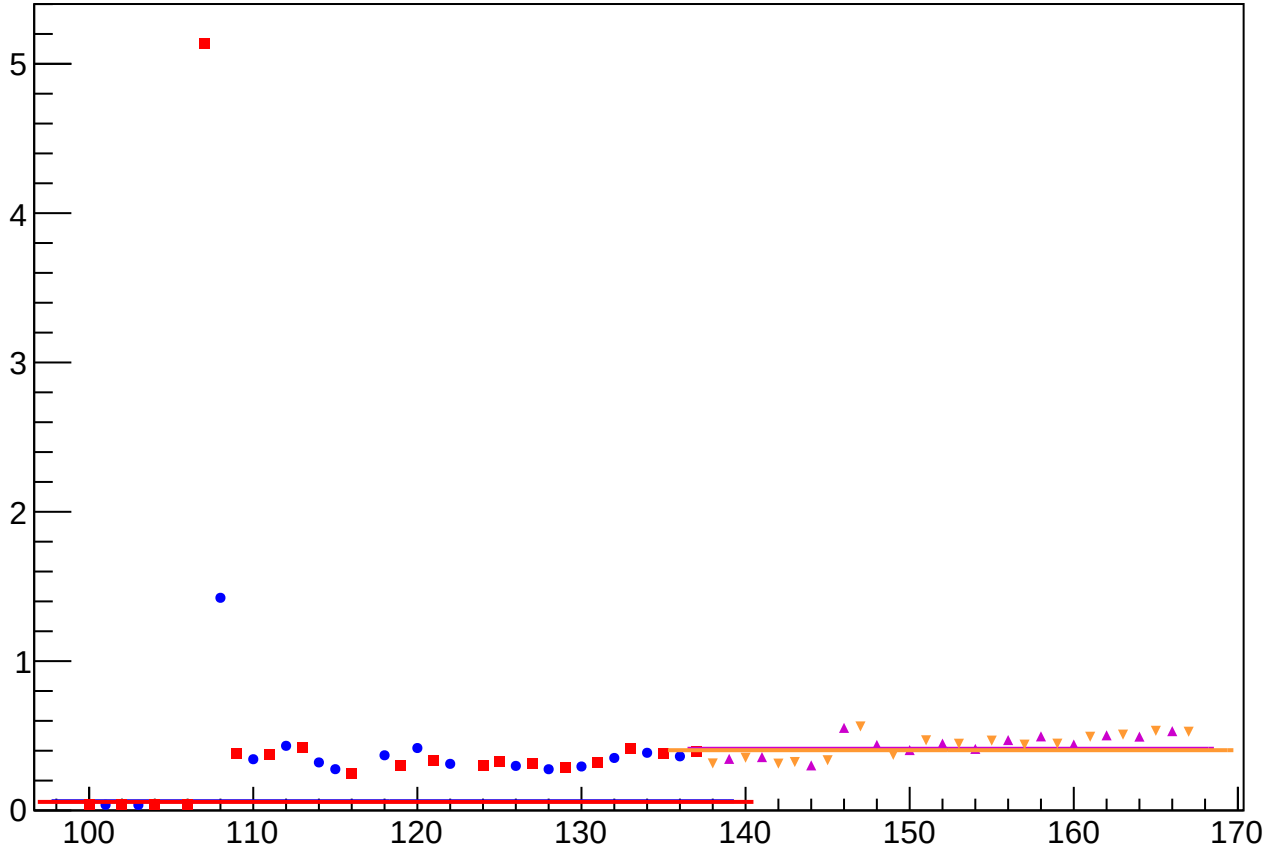
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1670.294+/-0.000 χ^2/NDF:310495668791049.

Out: 1697.540+/-0.000 χ^2/NDF:336640162567090

All: 1684.954+/-0.000 χ^2/NDF: 6473888237

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.404+/-0.000 χ^2/NDF:896618.6/15

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.413+/-0.000 χ^2/NDF:680926.7/13

Left: 0.408+/-0.000 χ^2/NDF: 1583717.3/29

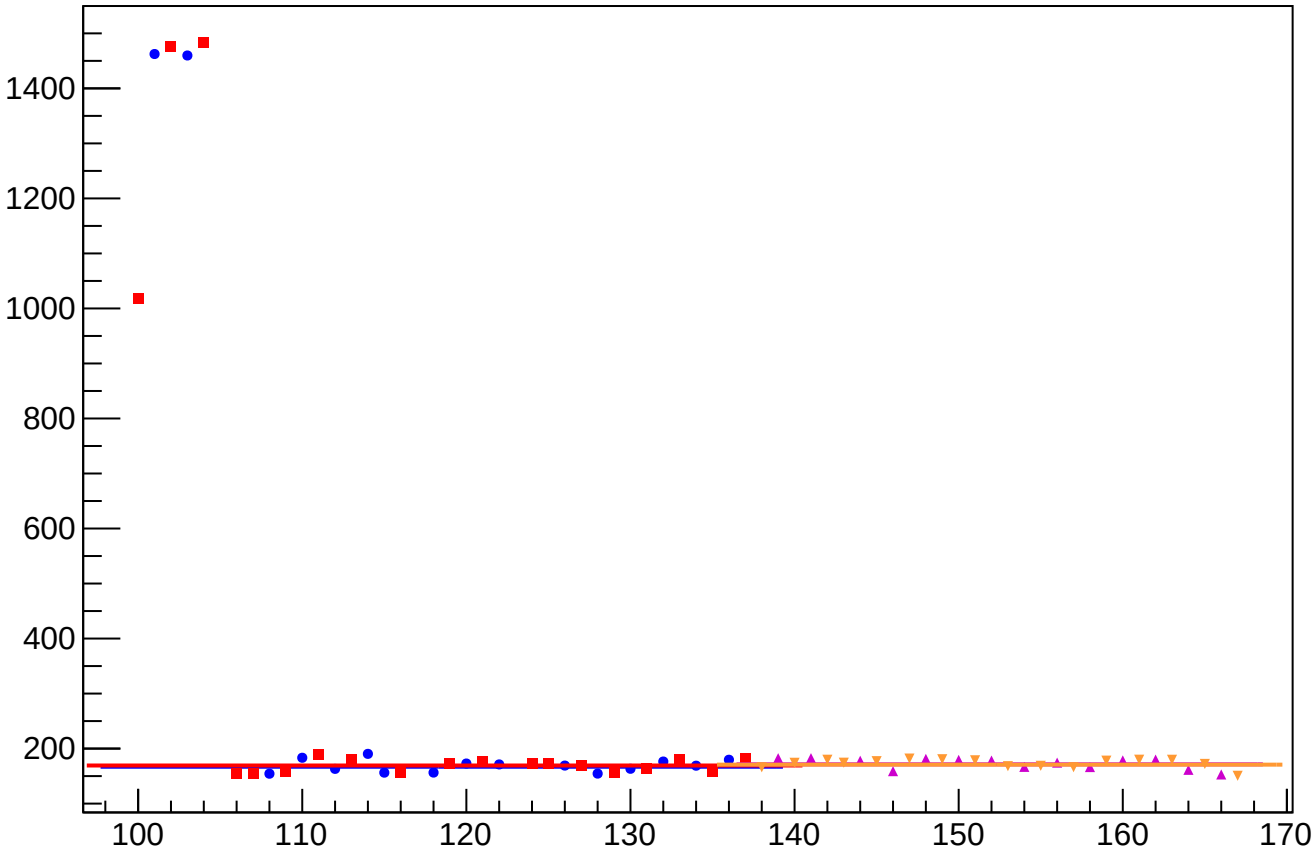
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.097+/-0.000 χ^2/NDF:22871033.1/29

Out: 0.091+/-0.000 χ^2/NDF:24196944.1/34

All: 0.094+/-0.000 χ^2/NDF: 47090290.0/64

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 170.792+/-0.000 χ^2/NDF:1146795746.4/15

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 171.366+/-0.000 χ^2/NDF:1086818888.1/13

Left: 171.061+/-0.000 χ^2/NDF: 2235513131.1/29

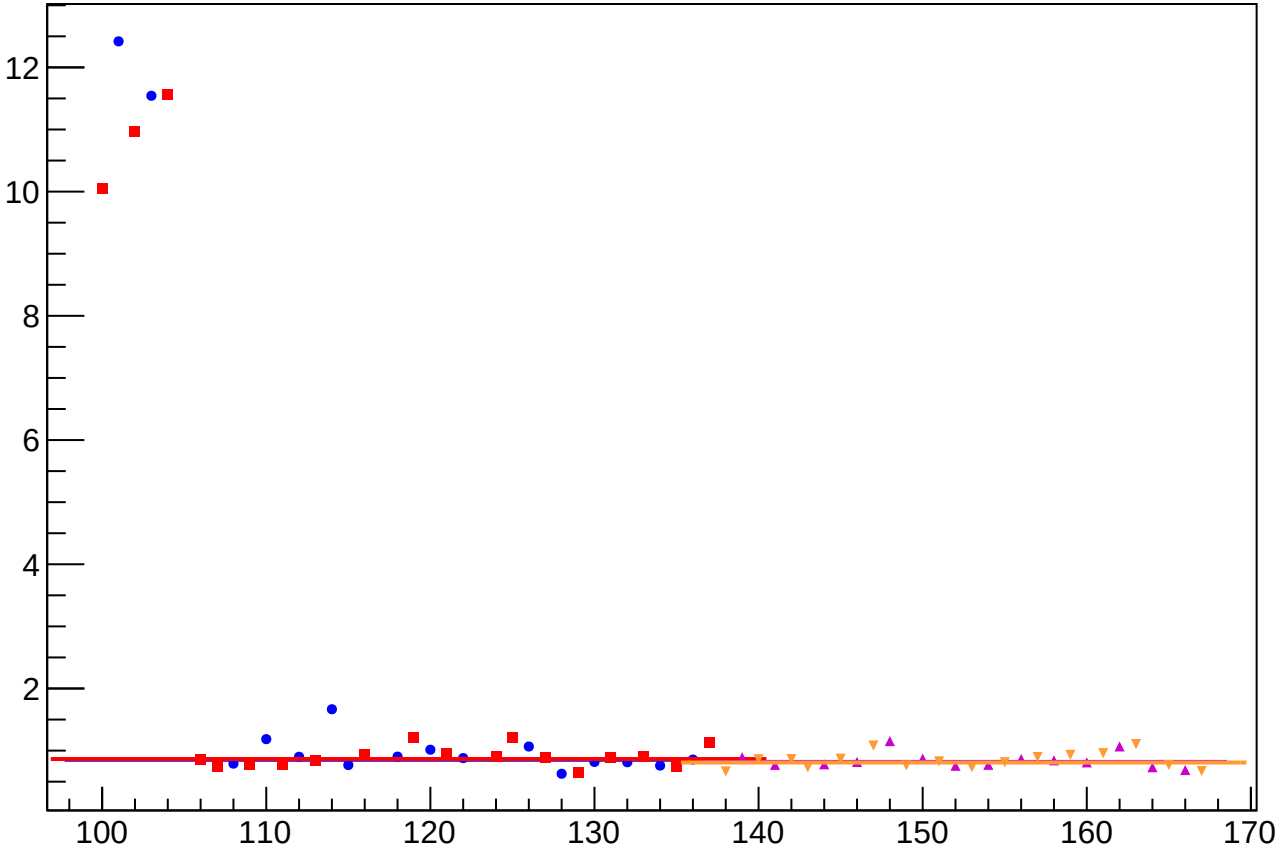
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 169.938+/-0.000 χ^2/NDF:15769071178.1/29

Out: 170.320+/-0.000 χ^2/NDF:17473222901.2/34

All: 170.138+/-0.000 χ^2/NDF: 33243526325.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.808+/-0.000 χ^2/NDF:346757.0/15

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.818+/-0.000 χ^2/NDF:240500.8/13

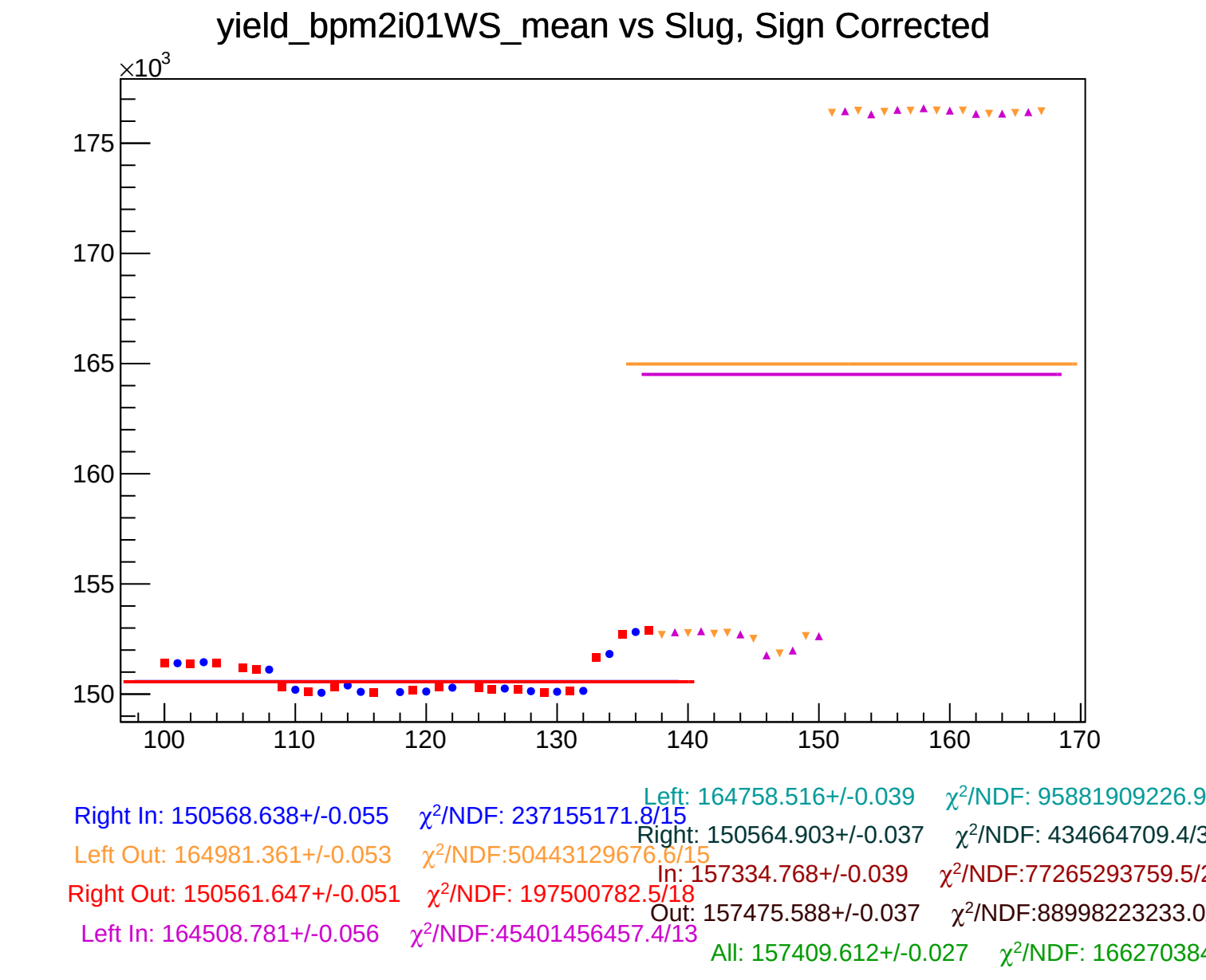
Left: 0.813+/-0.000 χ^2/NDF: 588345.9/29

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

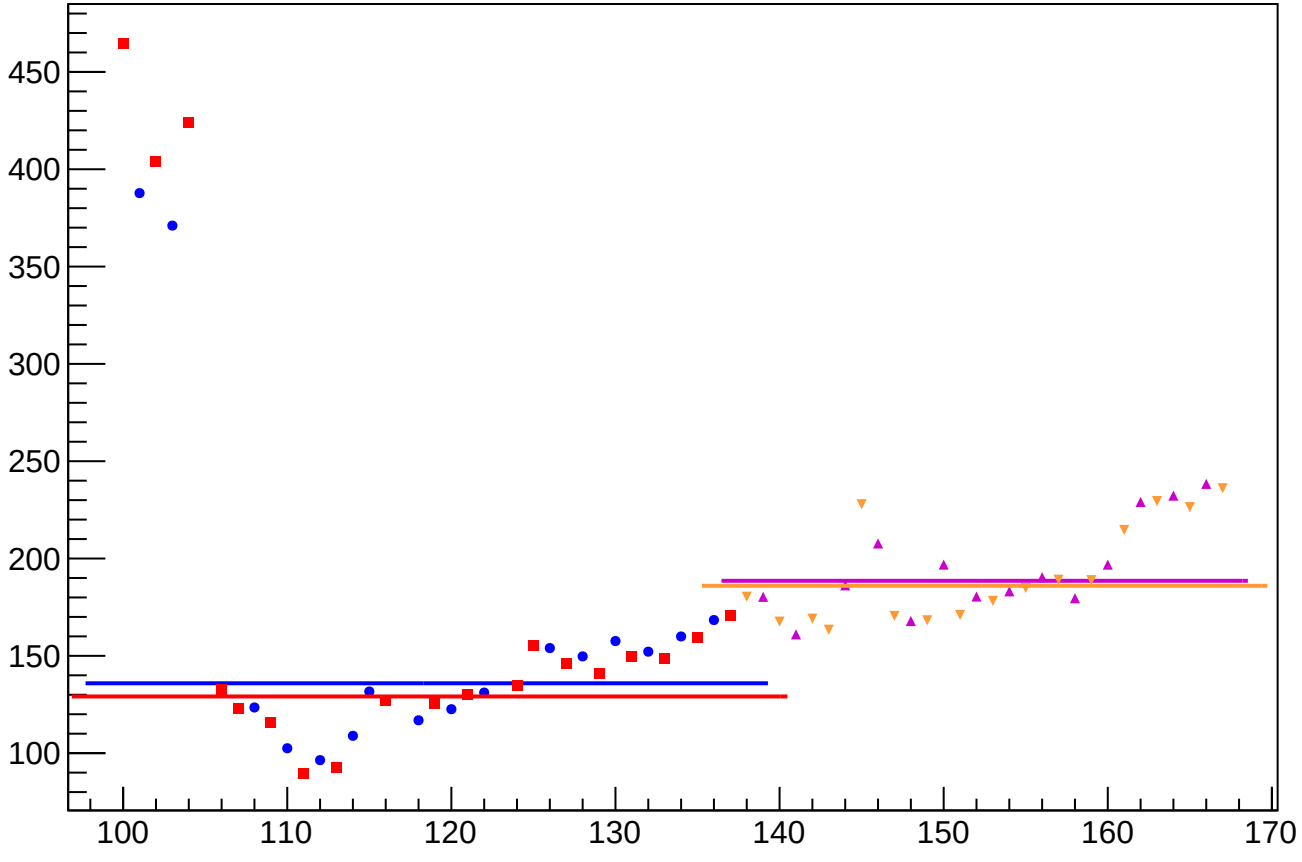
In: 0.829+/-0.000 χ^2/NDF:2551499.0/29

Out: 0.826+/-0.000 χ^2/NDF:2579680.8/34

All: 0.827+/-0.000 χ^2/NDF: 5131447.8/64


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
170
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 164981.361+/-0.053 χ²/NDF:50443129676.6/15
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 164508.781+/-0.056 χ²/NDF:45401456457.4/13
Left: 164758.516+/-0.039 χ²/NDF: 95881909226.9
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 157334.768+/-0.039 χ²/NDF:77265293759.5/2
Out: 157475.588+/-0.037 χ²/NDF:88998223233.0
All: 157409.612+/-0.027 χ²/NDF: 16627038

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 185.989+/-0.038 χ^2/NDF:364065.4/15

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 188.552+/-0.040 χ^2/NDF:252580.5/13

Left: 187.198+/-0.027 χ^2/NDF: 618842.5/29

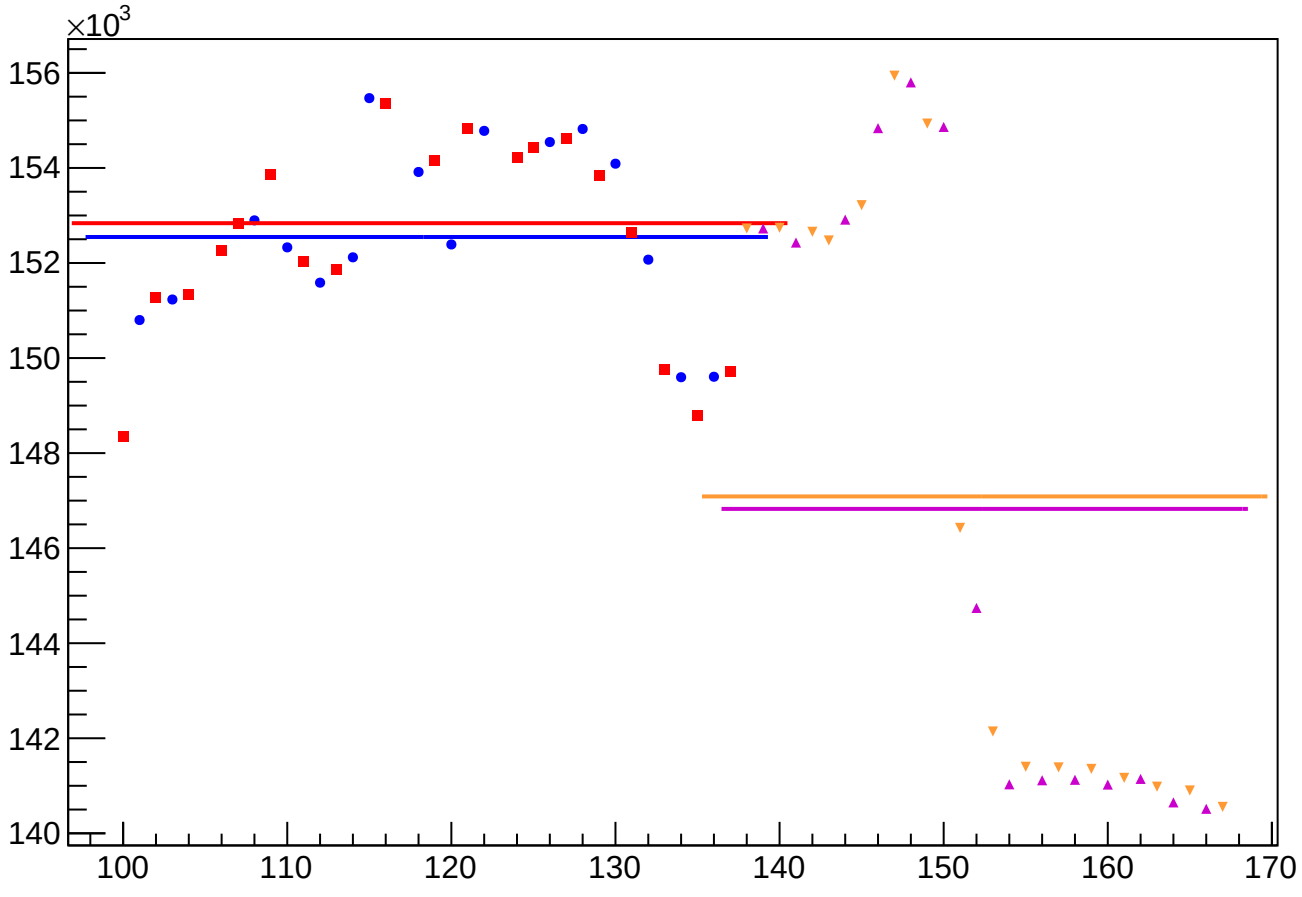
Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 161.454+/-0.028 χ^2/NDF:2571420.9/29

Out: 156.393+/-0.026 χ^2/NDF:3171148.4/34

All: 158.764+/-0.019 χ^2/NDF: 5760309.8/64

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147088.231+/-0.058 χ^2/NDF:10131633182.9/15

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 146826.130+/-0.061 χ^2/NDF:9997083779.0/13

Left: 146963.723+/-0.042 χ^2/NDF: 20138413470.5

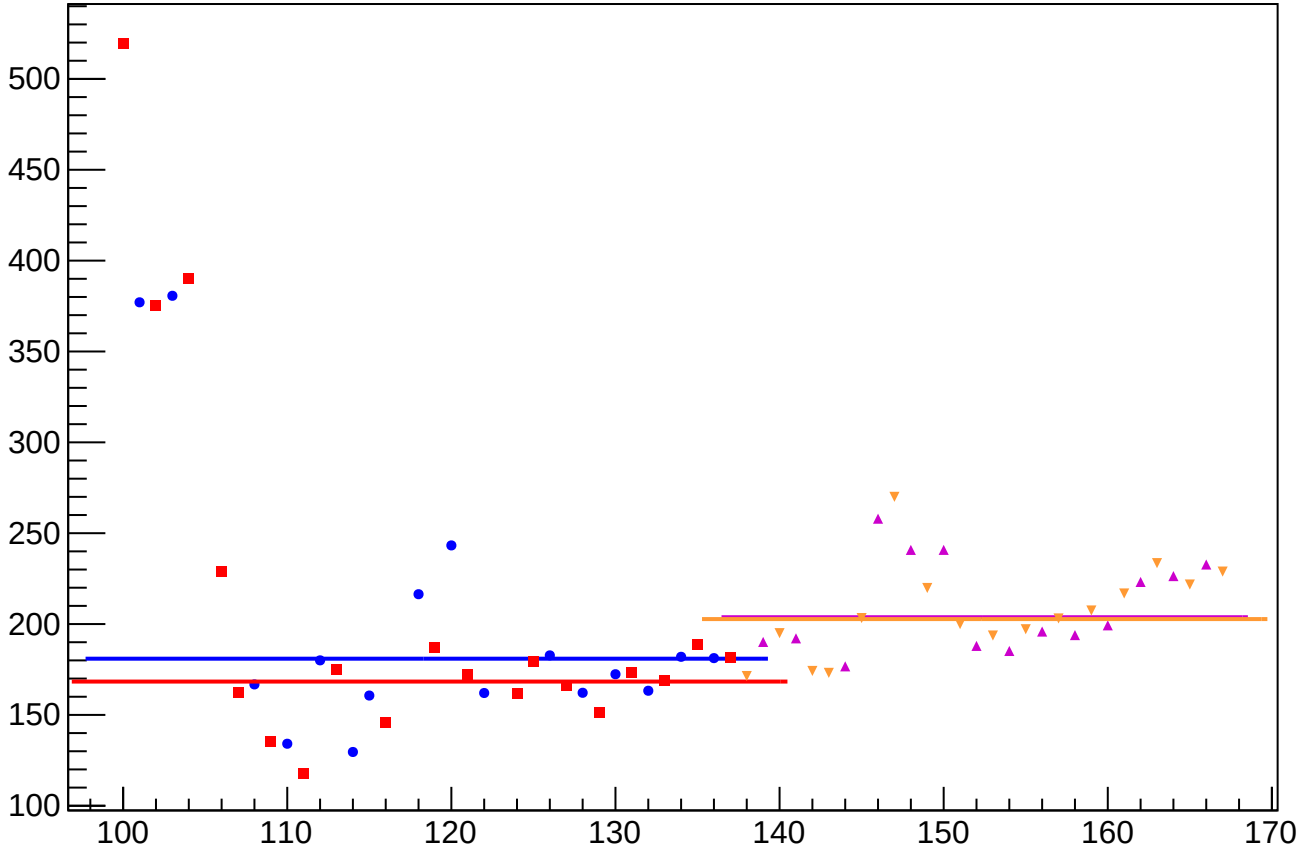
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 149192.270+/-0.047 χ^2/NDF:14291134518.2/2

Out: 149566.191+/-0.044 χ^2/NDF:15101892214.4

All: 149391.366+/-0.032 χ^2/NDF: 29427161

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 202.738+/-0.041 χ^2/NDF:305692.3/15

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 203.766+/-0.043 χ^2/NDF:292680.9/13

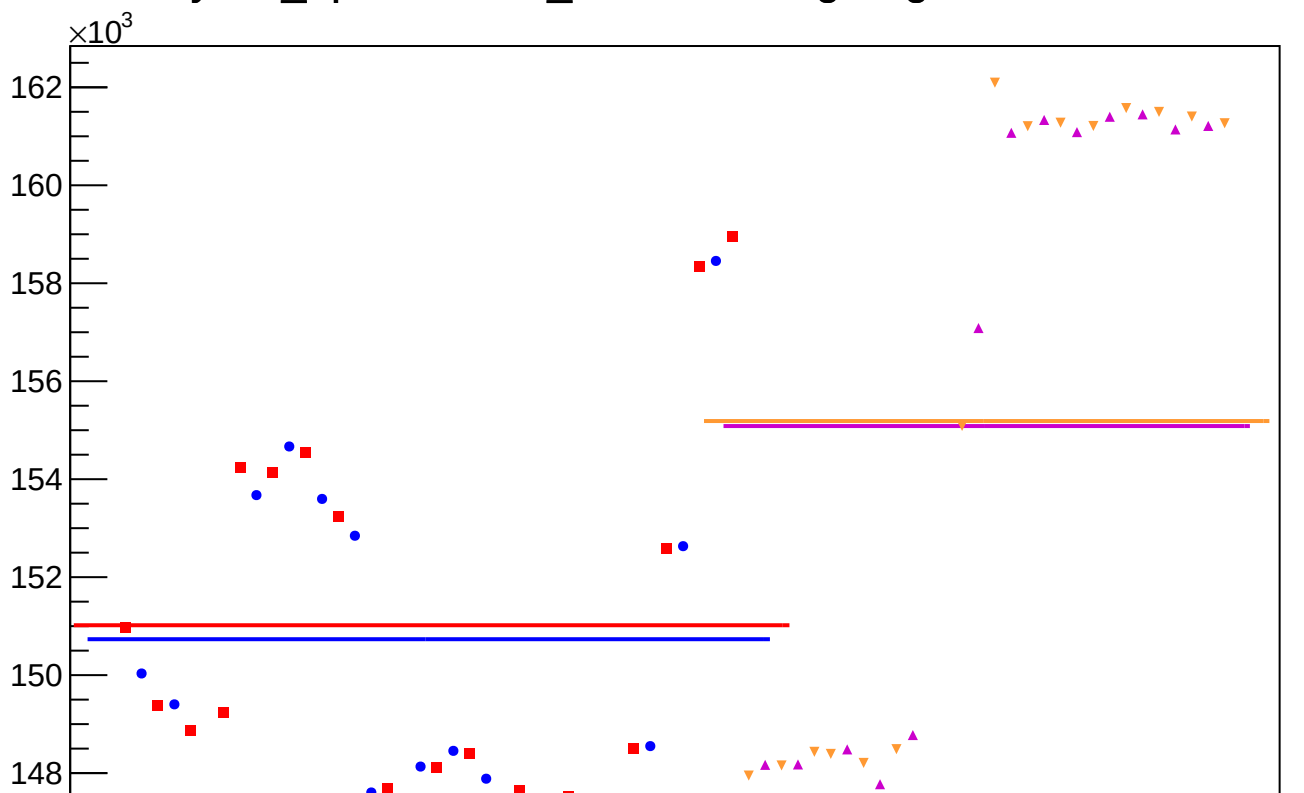
Left: 203.226+/-0.030 χ^2/NDF: 598671.9/29

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 194.325+/-0.033 χ^2/NDF:1316343.8/29

Out: 187.917+/-0.031 χ^2/NDF:1697655.8/34

All: 190.913+/-0.023 χ^2/NDF: 3034047.0/64



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 155187.232+/-0.056 χ^2/NDF:13130828809.6/15

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 155084.859+/-0.059 χ^2/NDF:11185783029.8/13

Left: 155139.141+/-0.041 χ^2/NDF: 24318184644.5/

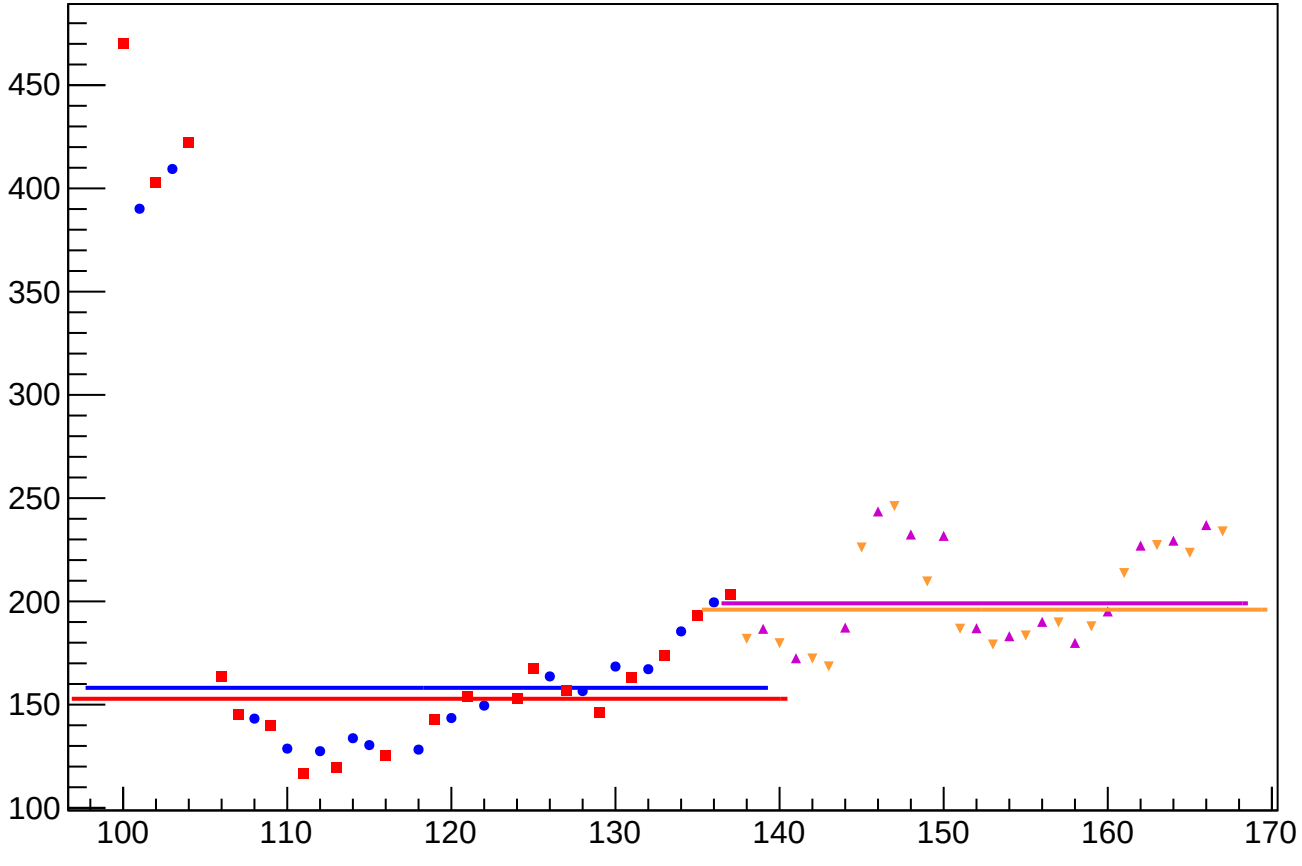
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153031.993+/-0.043 χ^2/NDF:16998011972.9/2

Out: 153250.301+/-0.041 χ^2/NDF:18996554407.5/

All: 153147.020+/-0.030 χ^2/NDF: 360080210

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 196.002+/-0.040 χ^2/NDF:319091.4/15

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 199.067+/-0.042 χ^2/NDF:302266.1/13

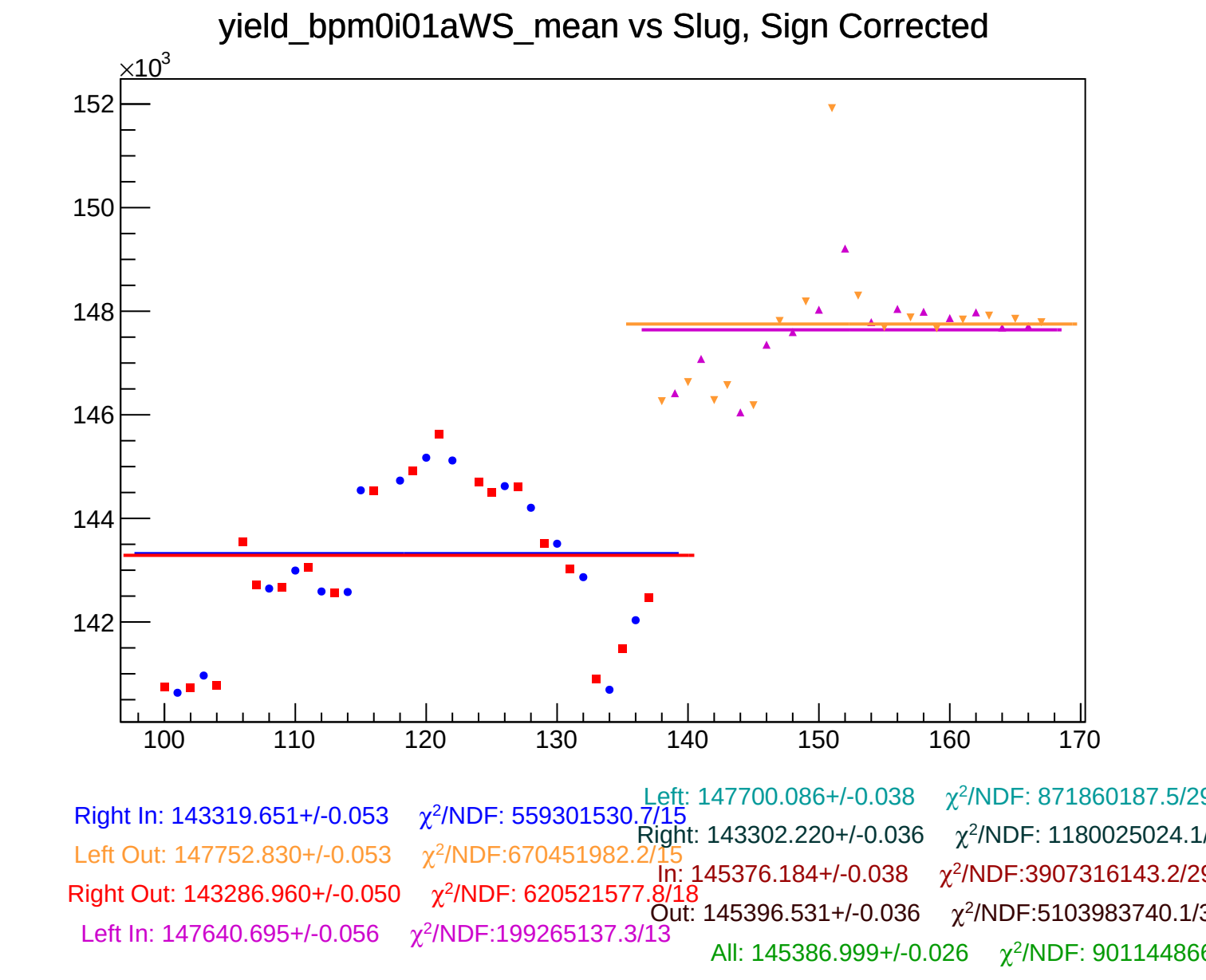
Left: 197.442+/-0.029 χ^2/NDF: 624176.9/29

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

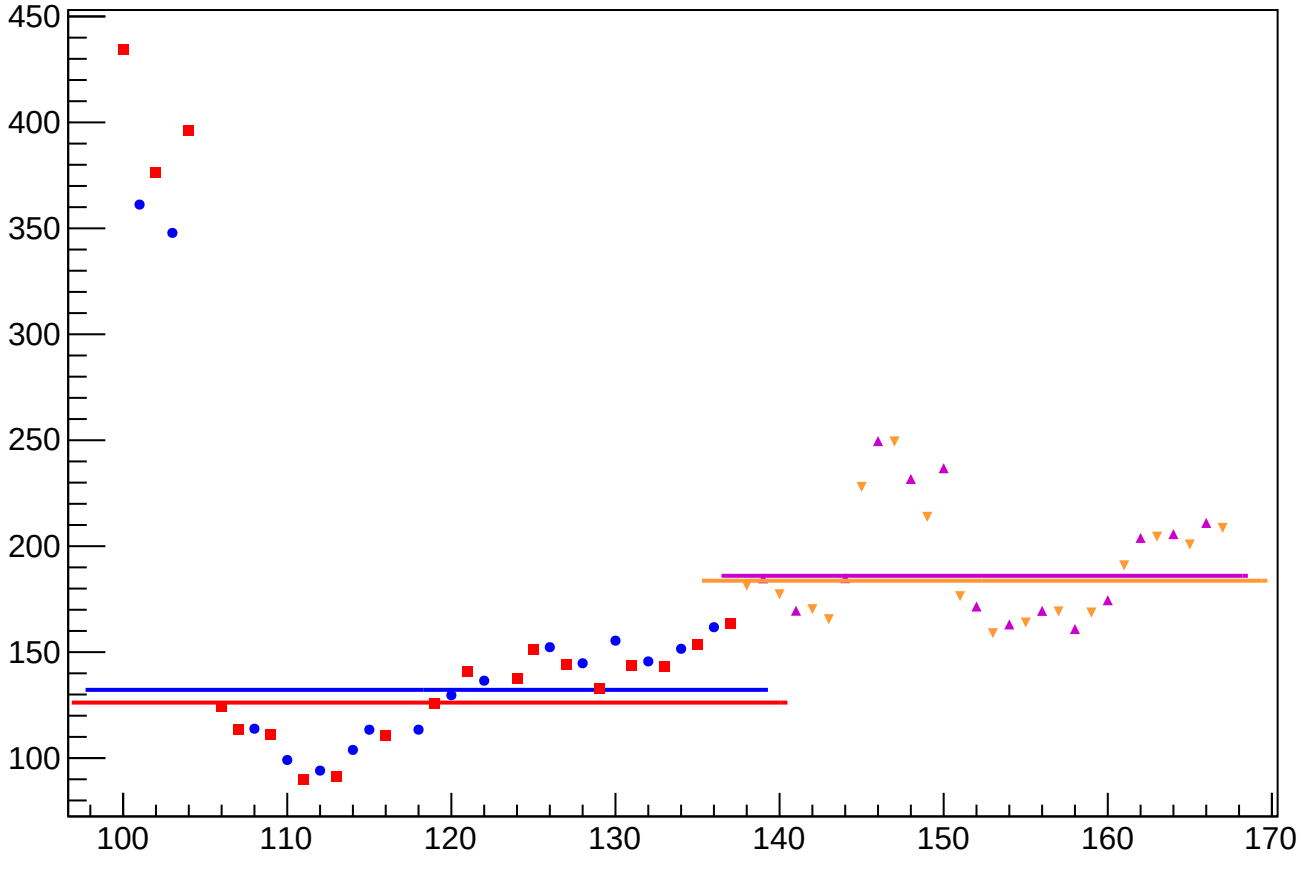
In: 179.758+/-0.031 χ^2/NDF:1945313.9/29

Out: 175.948+/-0.029 χ^2/NDF:2136363.9/34

All: 177.751+/-0.021 χ^2/NDF: 4089875.5/64


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
152
150
148
146
144
142
100
110
120
130
140
150
160
170
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147752.830+/-0.053 χ²/NDF:670451982.2/15
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147640.695+/-0.056 χ²/NDF:199265137.3/13
Left: 147700.086+/-0.038 χ²/NDF: 871860187.5/29
Right: 143302.220+/-0.036 χ²/NDF: 1180025024.1/
In: 145376.184+/-0.038 χ²/NDF:3907316143.2/29
Out: 145396.531+/-0.036 χ²/NDF:5103983740.1/3
All: 145386.999+/-0.026 χ²/NDF: 90114486

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 183.703+/-0.037 χ^2/NDF:376117.0/15

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 186.028+/-0.039 χ^2/NDF:425706.1/13

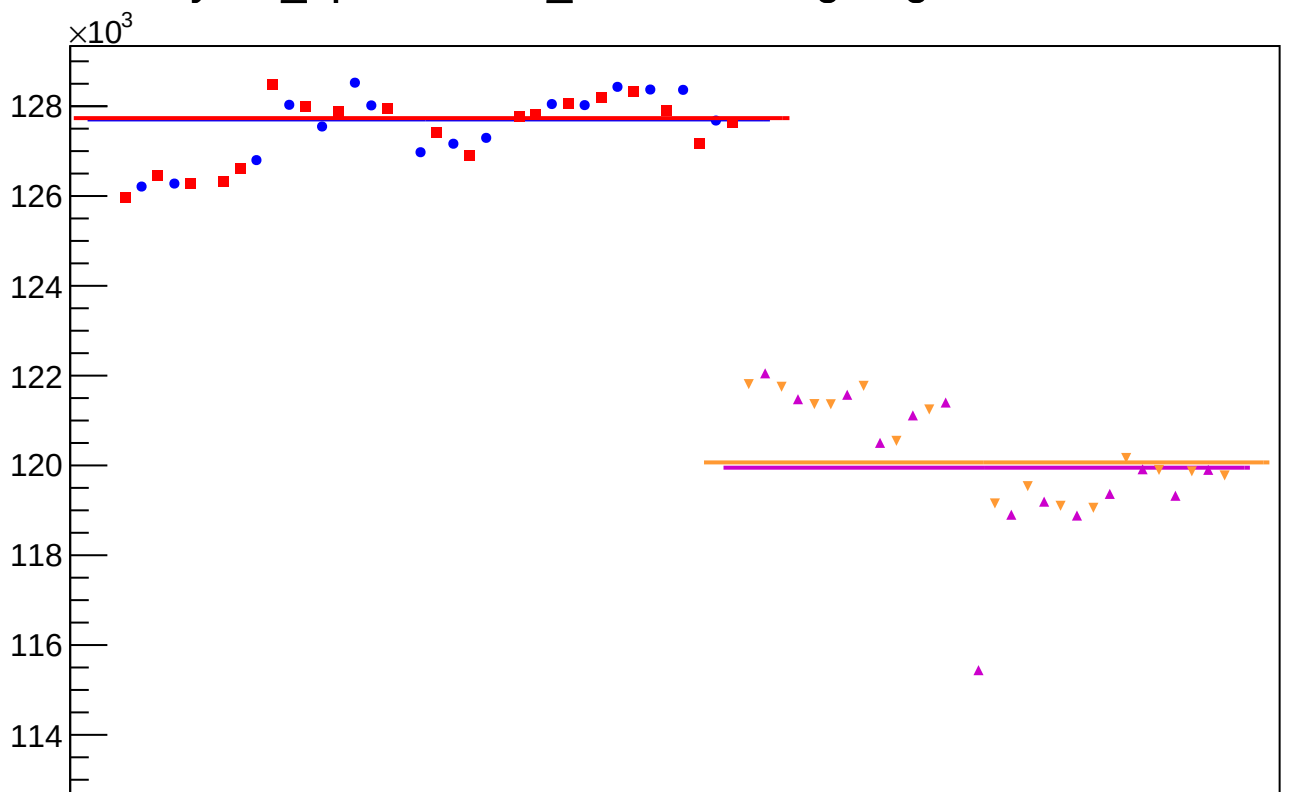
Left: 184.796+/-0.027 χ^2/NDF: 803665.8/29

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 157.821+/-0.027 χ^2/NDF:2781964.0/29

Out: 153.358+/-0.026 χ^2/NDF:3185871.6/34

All: 155.449+/-0.019 χ^2/NDF: 5982148.1/64



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120067.113+/-0.052 χ^2/NDF:1753999405.7/15

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119949.735+/-0.053 χ^2/NDF:1149244361.0/13

Left: 120009.323+/-0.037 χ^2/NDF: 2905777252.8/2

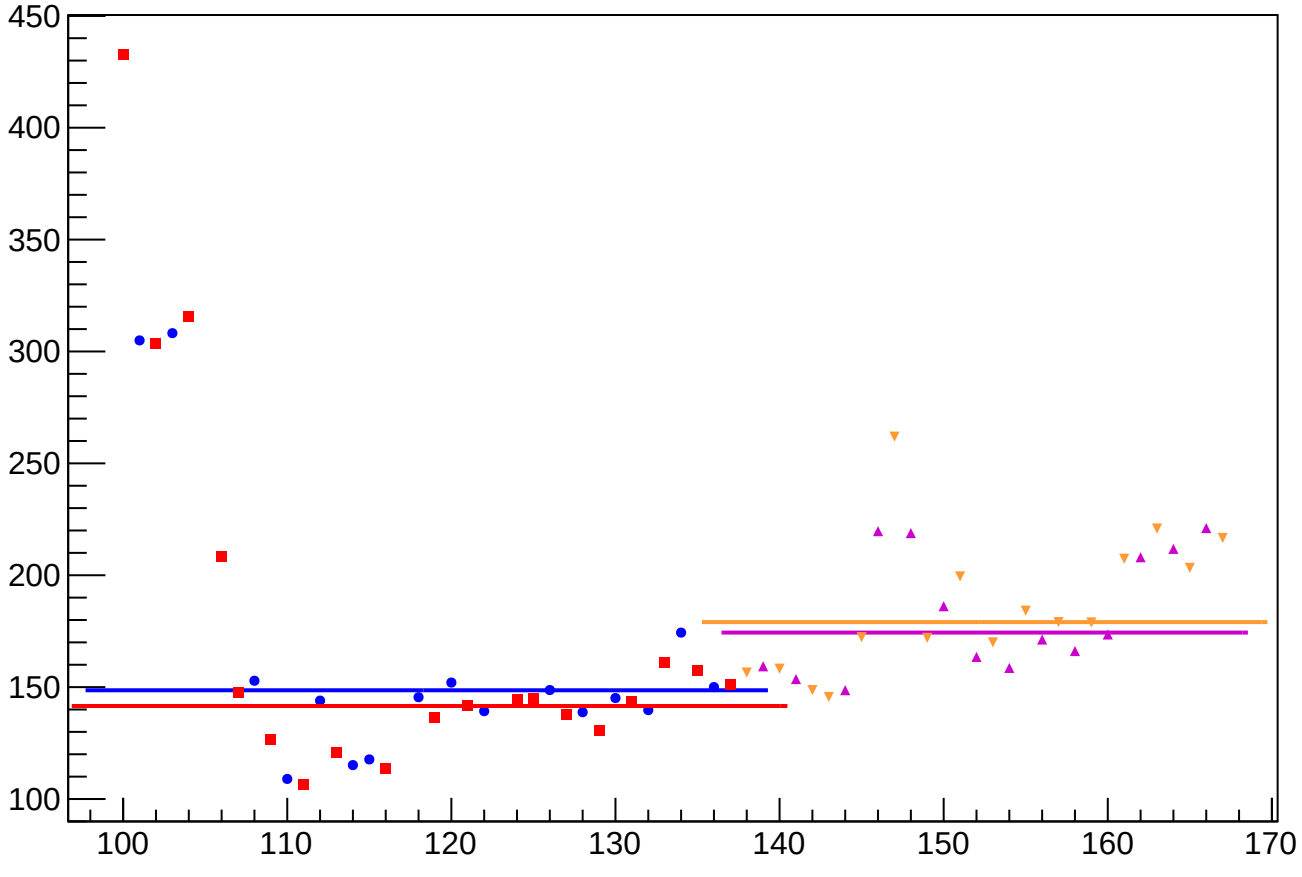
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123418.090+/-0.039 χ^2/NDF:10997085996.7/2

Out: 123673.225+/-0.038 χ^2/NDF:12190206893.9

All: 123550.331+/-0.027 χ^2/NDF: 23209401

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 179.064+/-0.037 χ^2/NDF:521830.4/15

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 174.386+/-0.037 χ^2/NDF:404265.2/13

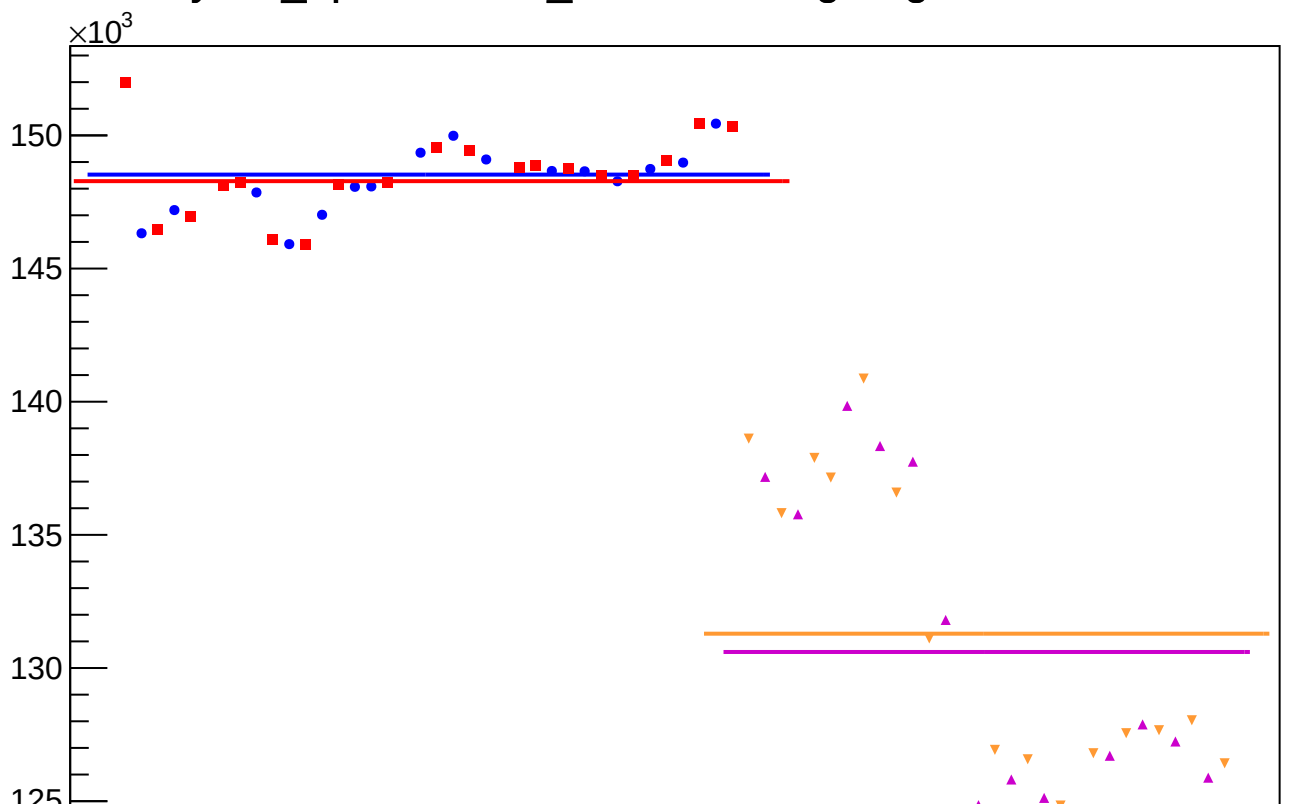
Left: 176.761+/-0.026 χ^2/NDF: 934142.3/29

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 162.851+/-0.028 χ^2/NDF:1447508.1/29

Out: 161.427+/-0.027 χ^2/NDF:2017108.2/34

All: 162.113+/-0.019 χ^2/NDF: 3465994.7/64



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131289.327+/-0.075 χ^2/NDF:5271000866.5/15

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 130602.397+/-0.076 χ^2/NDF:5549033460.8/13

Left: 130952.063+/-0.053 χ^2/NDF: 10861401971.3

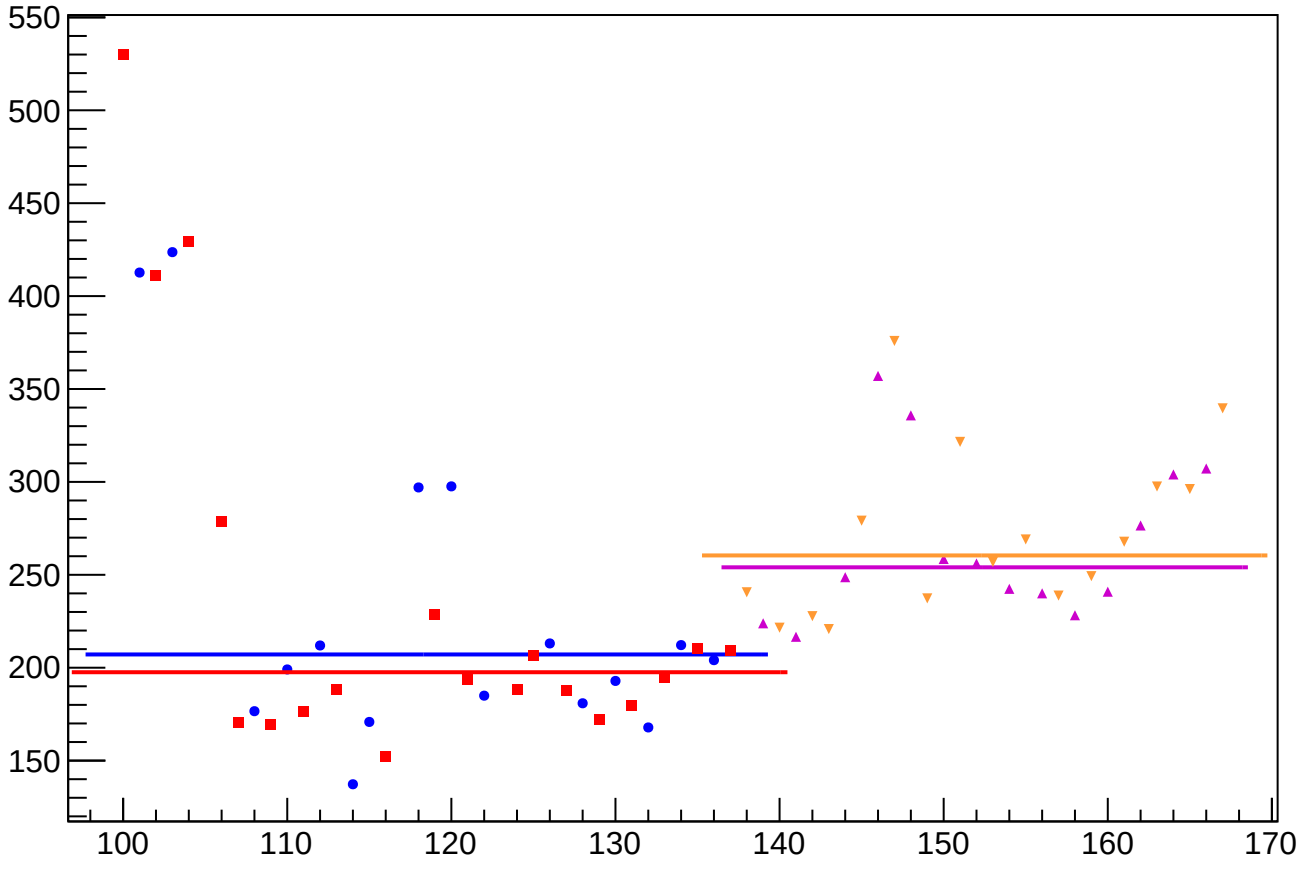
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 138915.187+/-0.056 χ^2/NDF:31421272233.6/2

Out: 139587.172+/-0.054 χ^2/NDF:30742766754.6

All: 139265.118+/-0.039 χ^2/NDF: 62239559

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 260.428+/-0.053 χ^2/NDF:515507.1/15

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 254.032+/-0.054 χ^2/NDF:438557.3/13

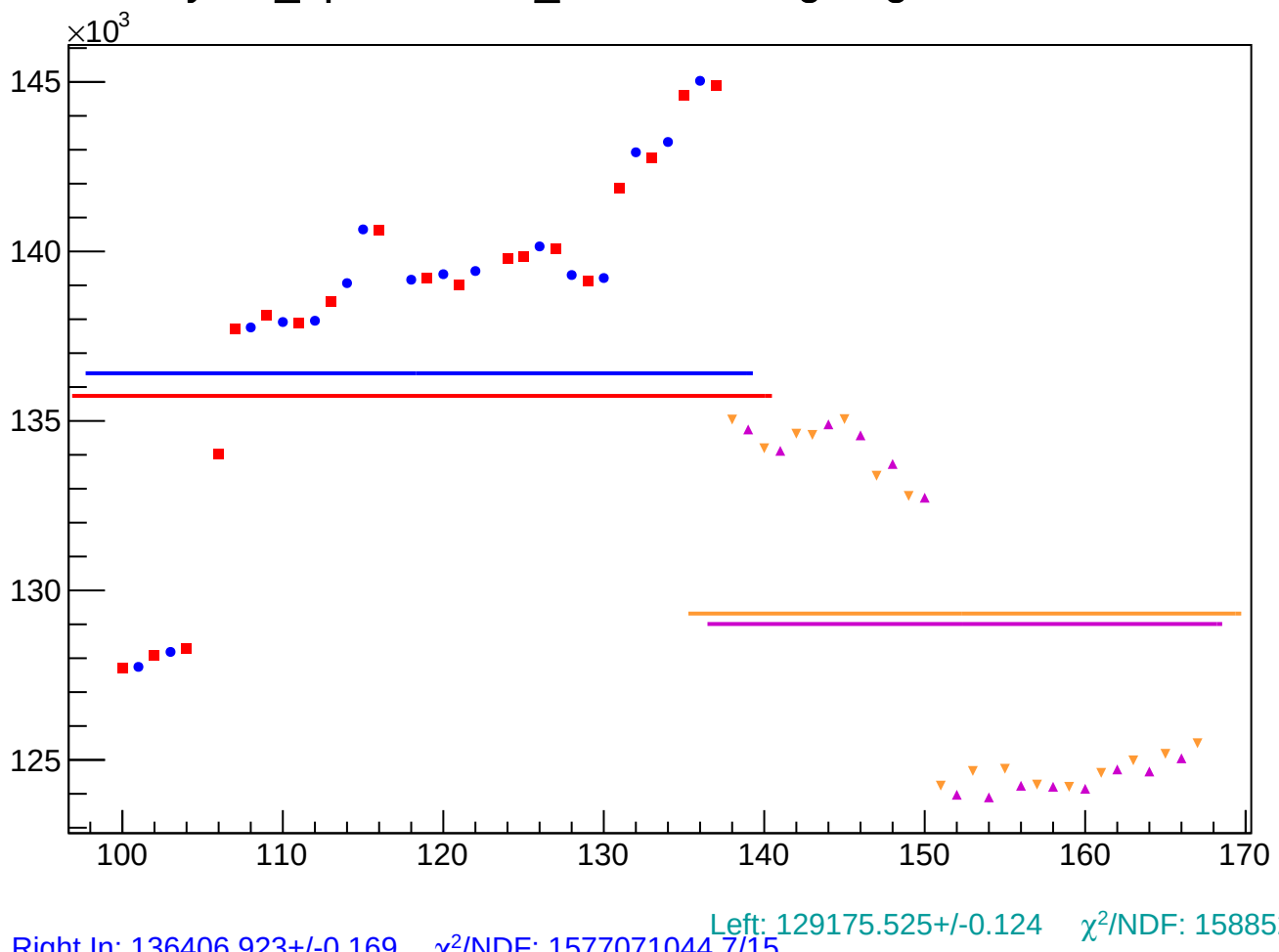
Left: 257.288+/-0.038 χ^2/NDF: 961236.0/29

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 232.284+/-0.039 χ^2/NDF:1762092.3/29

Out: 229.734+/-0.038 χ^2/NDF:2108499.2/34

All: 230.956+/-0.027 χ^2/NDF: 3872766.8/64



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 129317.422+/-0.168 χ^2/NDF:839498065.6/15

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 129009.610+/-0.182 χ^2/NDF:747482868.5/13

Left: 129175.525+/-0.124 χ^2/NDF: 1588523600.5/2

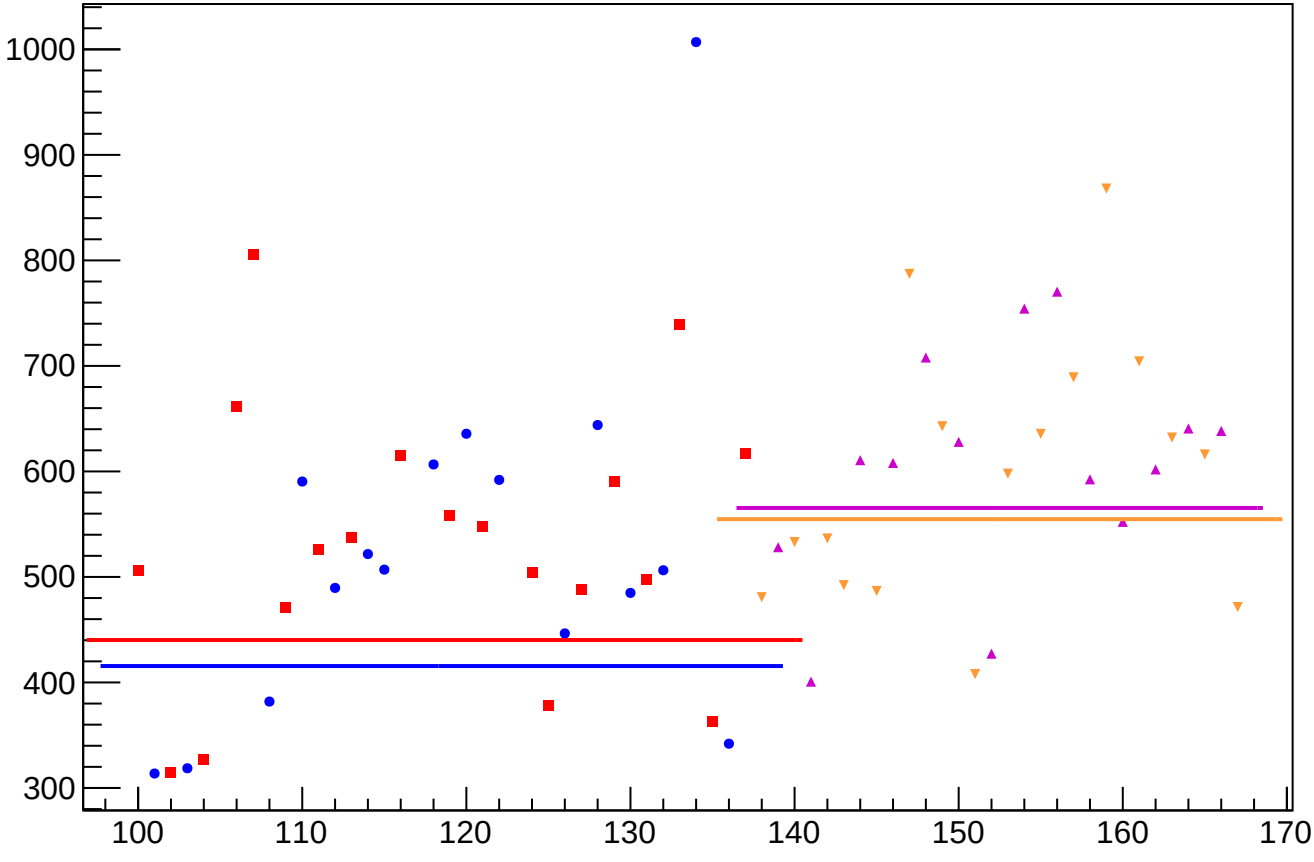
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 132990.064+/-0.124 χ^2/NDF:3213979954.9/29

Out: 132371.518+/-0.122 χ^2/NDF:2706245845.0/3

All: 132676.221+/-0.087 χ^2/NDF: 59329086

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 554.742+/-0.119 χ^2/NDF:849468.0/15

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 565.374+/-0.129 χ^2/NDF:714668.4/13

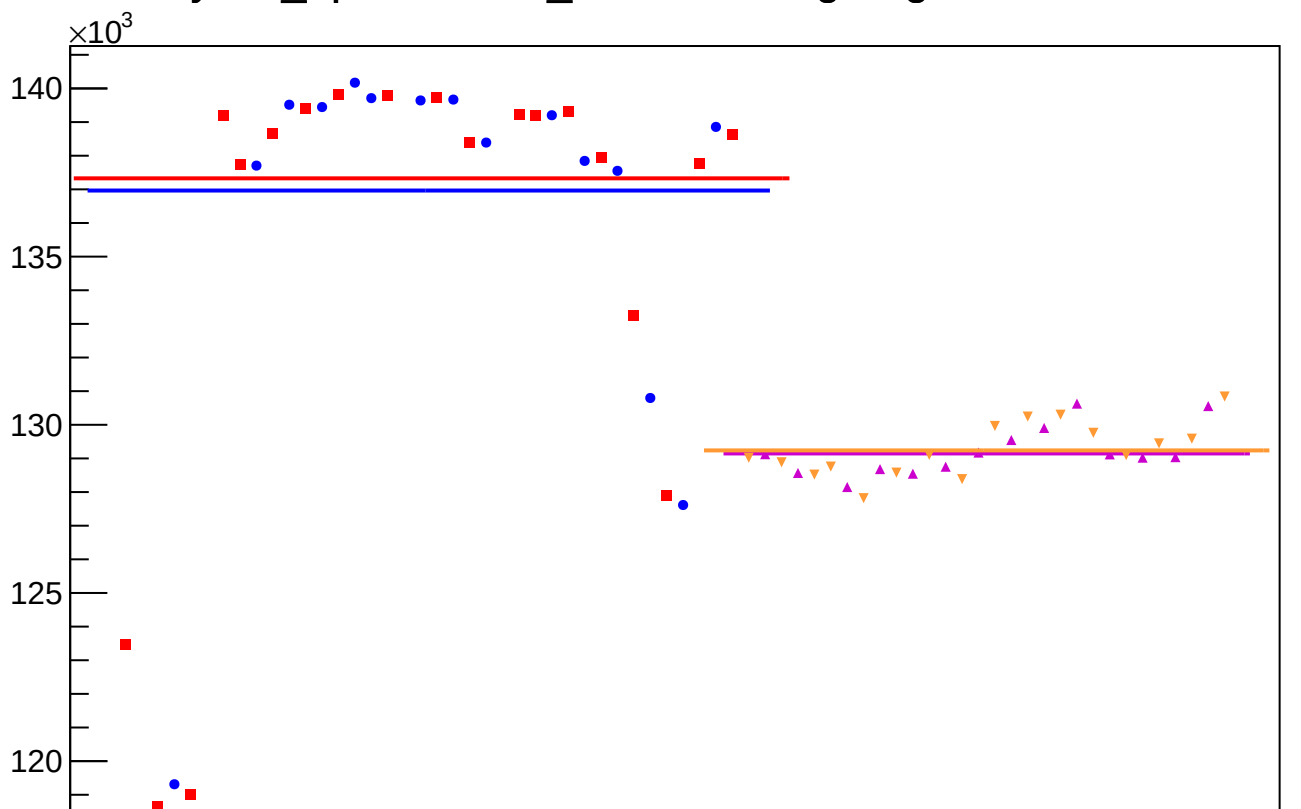
Left: 559.643+/-0.087 χ^2/NDF: 1567816.7/29

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 484.753+/-0.087 χ^2/NDF:2476007.9/29

Out: 500.270+/-0.086 χ^2/NDF:2200938.2/34

All: 492.626+/-0.061 χ^2/NDF: 4692924.0/64



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129238.461+/-0.055 χ^2/NDF:194105310.5/15

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129148.292+/-0.057 χ^2/NDF:148170238.7/13

Left: 129195.161+/-0.040 χ^2/NDF: 343566651.4/29

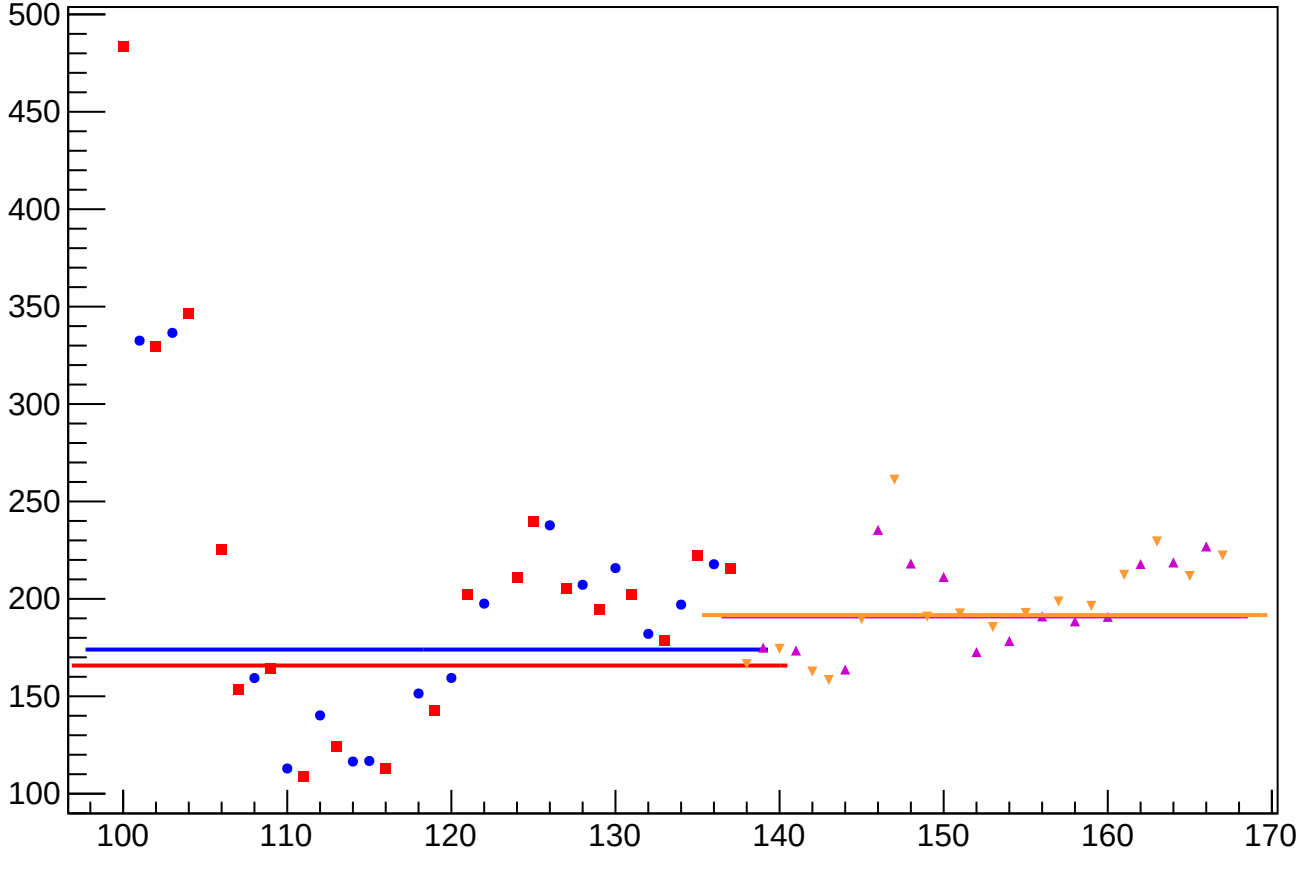
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 132293.446+/-0.044 χ^2/NDF:13466511823.3/2

Out: 132575.069+/-0.042 χ^2/NDF:14857212410.2

All: 132441.034+/-0.031 χ^2/NDF: 28344971

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 191.668+/-0.039 χ^2/NDF:370100.7/15

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 190.997+/-0.040 χ^2/NDF:283978.5/13

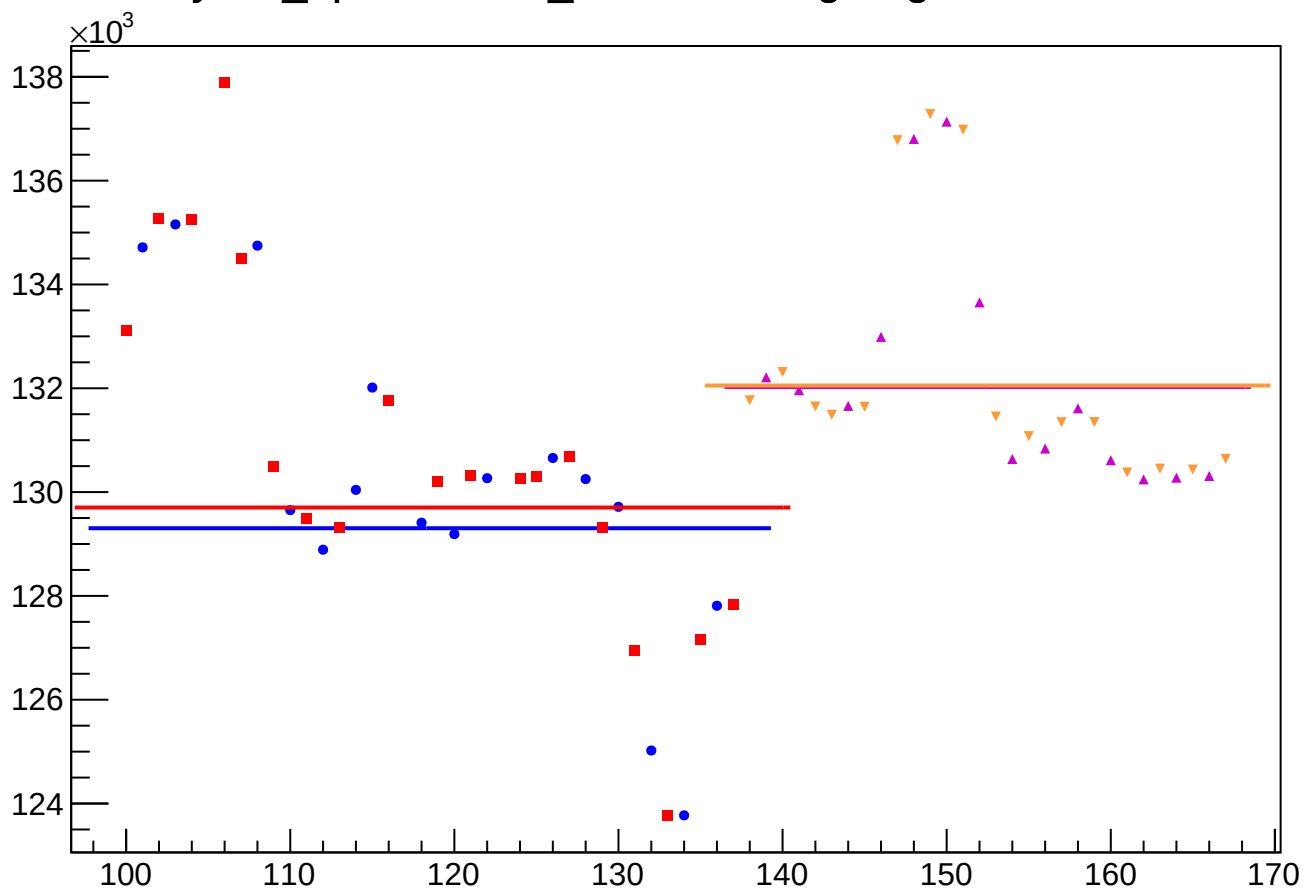
Left: 191.346+/-0.028 χ^2/NDF: 654222.1/29

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

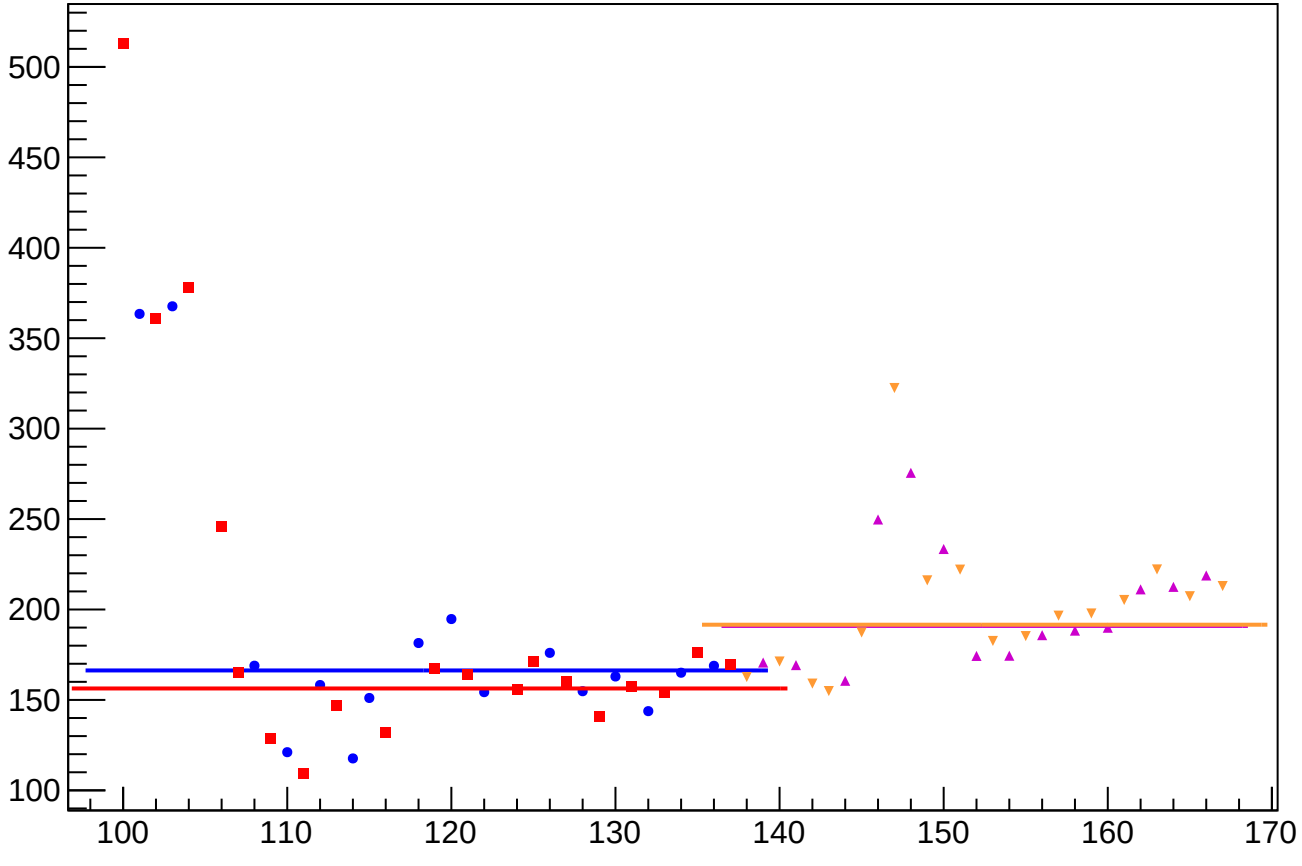
In: 184.151+/-0.031 χ^2/NDF:1543649.4/29

Out: 180.990+/-0.030 χ^2/NDF:1986090.5/34

All: 182.494+/-0.022 χ^2/NDF: 3535093.9/64


yield_bpm0l05WS_mean vs Slug, Sign Corrected
×10^3
138
136
134
132
130
128
126
124
100
110
120
130
140
150
160
170
Right In: 129303.894+/-0.066 χ²/NDF: 1650235360.7/15
Left Out: 132053.126+/-0.055 χ²/NDF:1294990805.5/15
Right Out: 129702.568+/-0.062 χ²/NDF: 1777723481.2/18
Left In: 132023.592+/-0.058 χ²/NDF:1024478591.9/13
Left: 132038.932+/-0.040 χ²/NDF: 2319606379.6/2
Right: 129517.750+/-0.045 χ²/NDF: 3447412906.7/
In: 130853.853+/-0.043 χ²/NDF:3636573600.5/29
Out: 131002.657+/-0.041 χ²/NDF:3879563781.9/3
All: 130932.254+/-0.030 χ²/NDF: 75223669

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 191.590+/-0.039 χ^2/NDF:585509.0/15

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 190.905+/-0.041 χ^2/NDF:500089.7/13

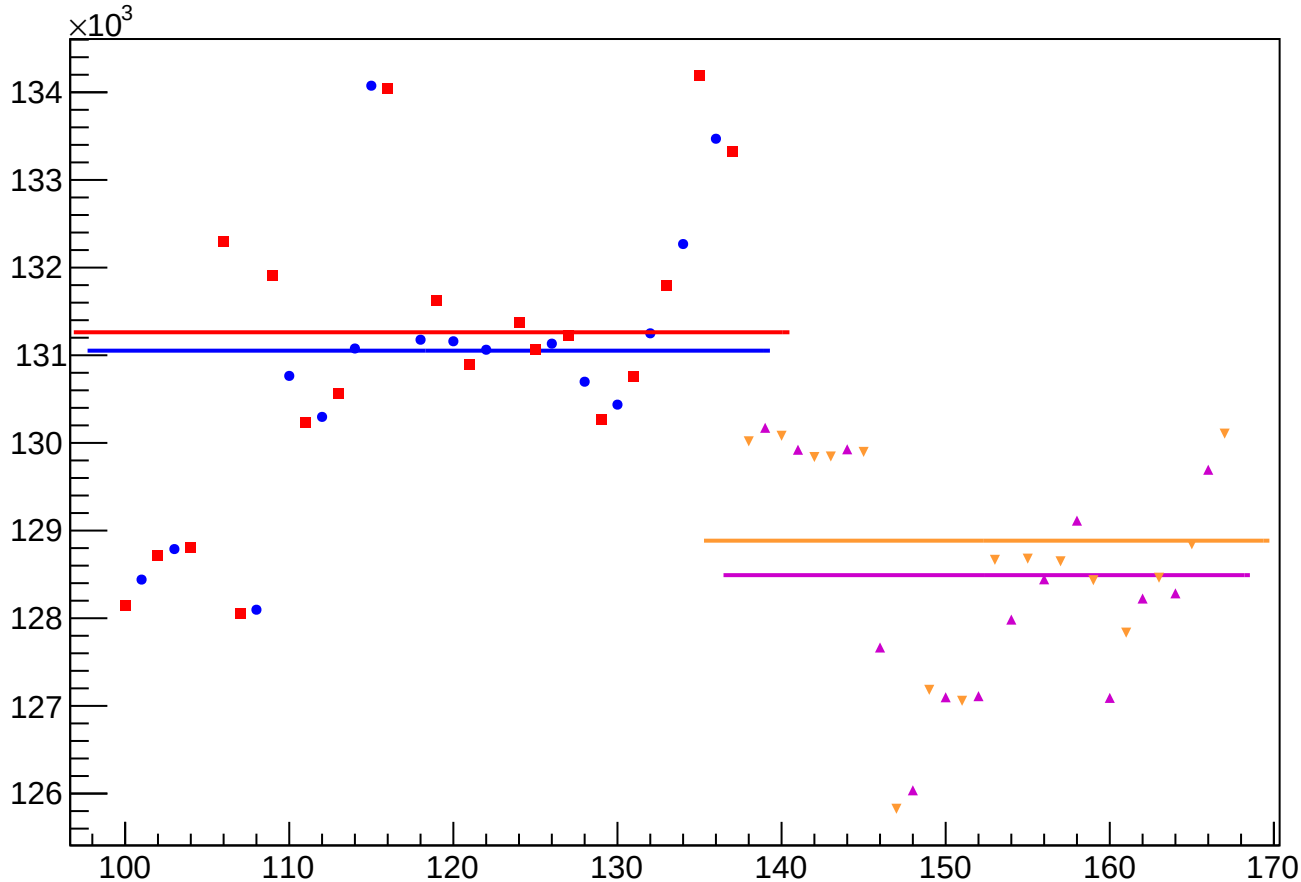
Left: 191.260+/-0.028 χ^2/NDF: 1085745.9/29

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 180.323+/-0.031 χ^2/NDF:1595455.2/29

Out: 175.834+/-0.029 χ^2/NDF:2121365.8/34

All: 177.958+/-0.021 χ^2/NDF: 3728088.7/64



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128884.863+/-0.053 χ^2/NDF:462190120.1/15

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128491.557+/-0.055 χ^2/NDF:519666046.0/13

Left: 128696.351+/-0.038 χ^2/NDF: 1008211768.7/2

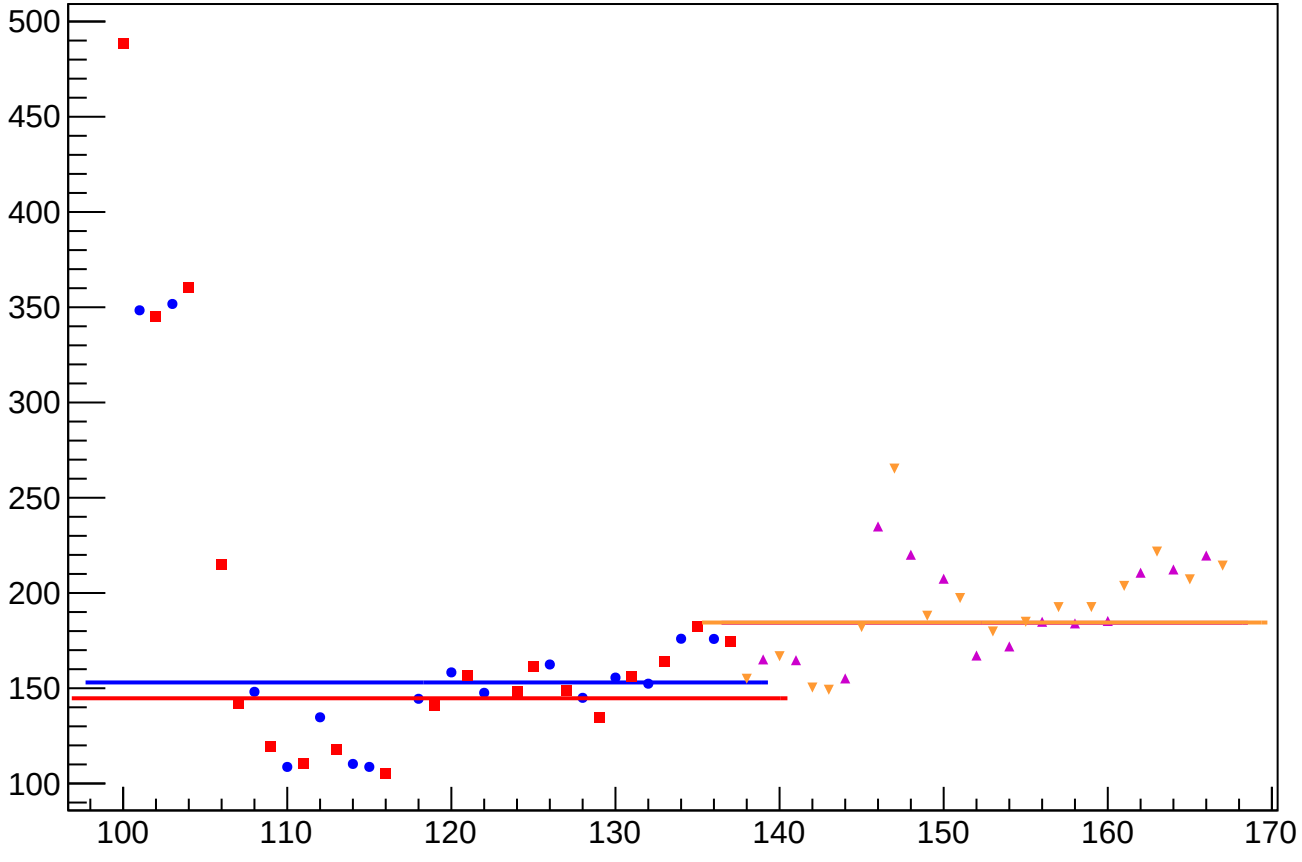
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129653.881+/-0.041 χ^2/NDF:2017332564.3/29

Out: 129995.080+/-0.039 χ^2/NDF:2004696786.2/3

All: 129833.612+/-0.028 χ^2/NDF: 405877163

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 184.500+/-0.038 χ^2/NDF:479643.5/15

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 184.331+/-0.039 χ^2/NDF:357355.5/13

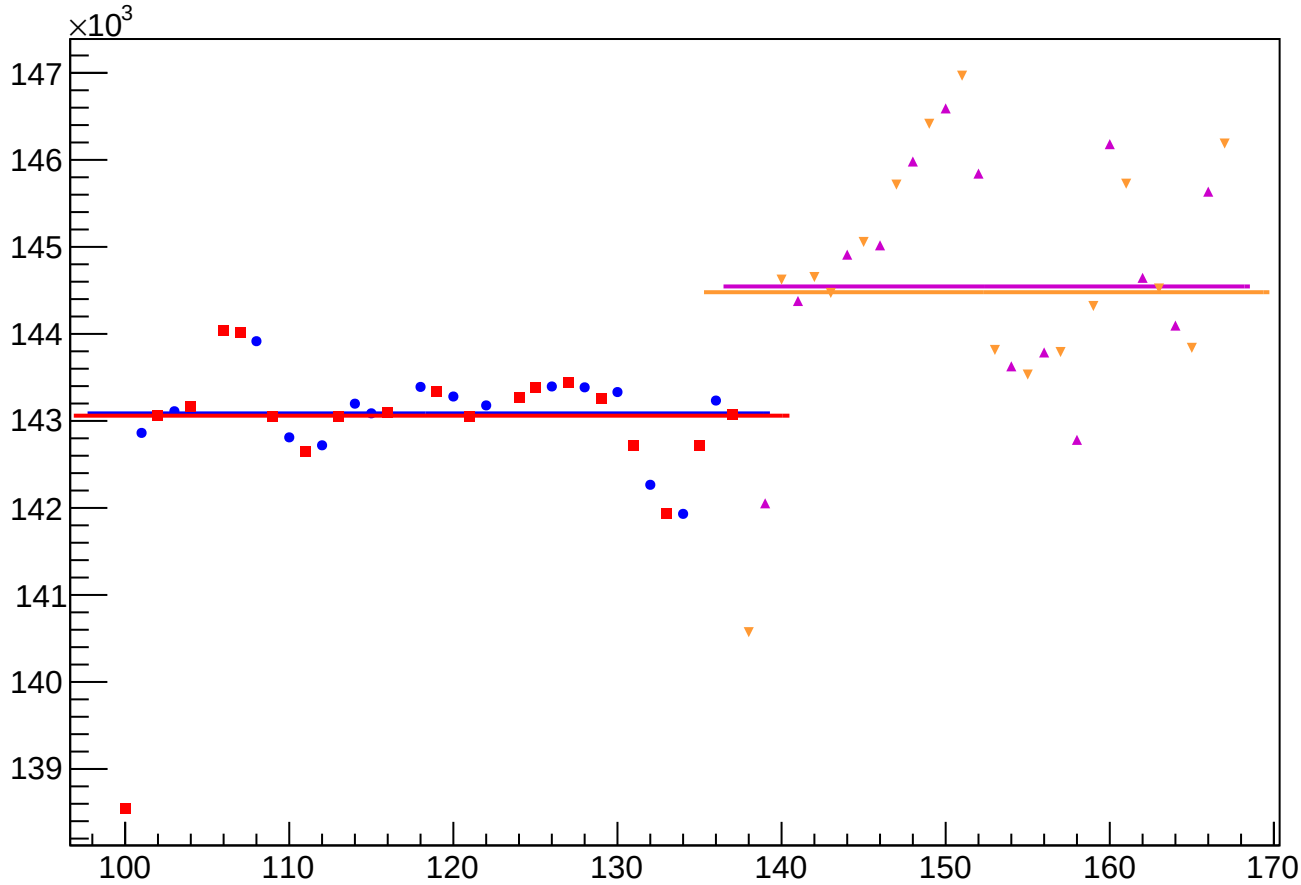
Left: 184.419+/-0.027 χ^2/NDF: 837008.7/29

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 170.130+/-0.029 χ^2/NDF:1707608.5/29

Out: 165.928+/-0.027 χ^2/NDF:2268164.5/34

All: 167.916+/-0.020 χ^2/NDF: 3986918.8/64



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144479.188+/-0.061 χ^2/NDF:639669361.2/15

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144545.410+/-0.063 χ^2/NDF:440338871.7/13

Left: 144511.197+/-0.044 χ^2/NDF: 1080571117.3/2

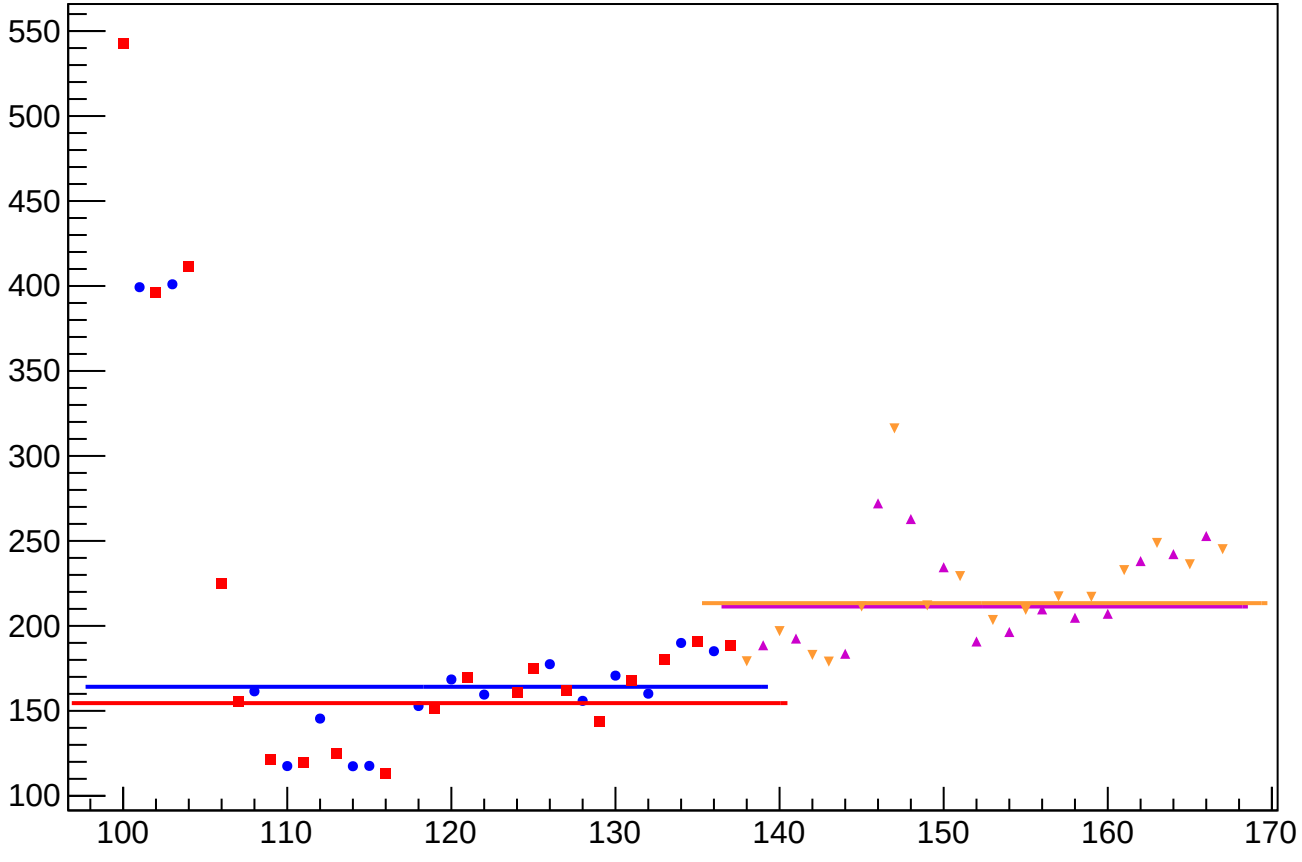
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143834.558+/-0.045 χ^2/NDF:744723894.1/29

Out: 143761.472+/-0.043 χ^2/NDF:961820578.0/34

All: 143796.126+/-0.031 χ^2/NDF: 170790545

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 213.380+/-0.043 χ^2/NDF:417096.9/15

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 211.396+/-0.045 χ^2/NDF:349153.2/13

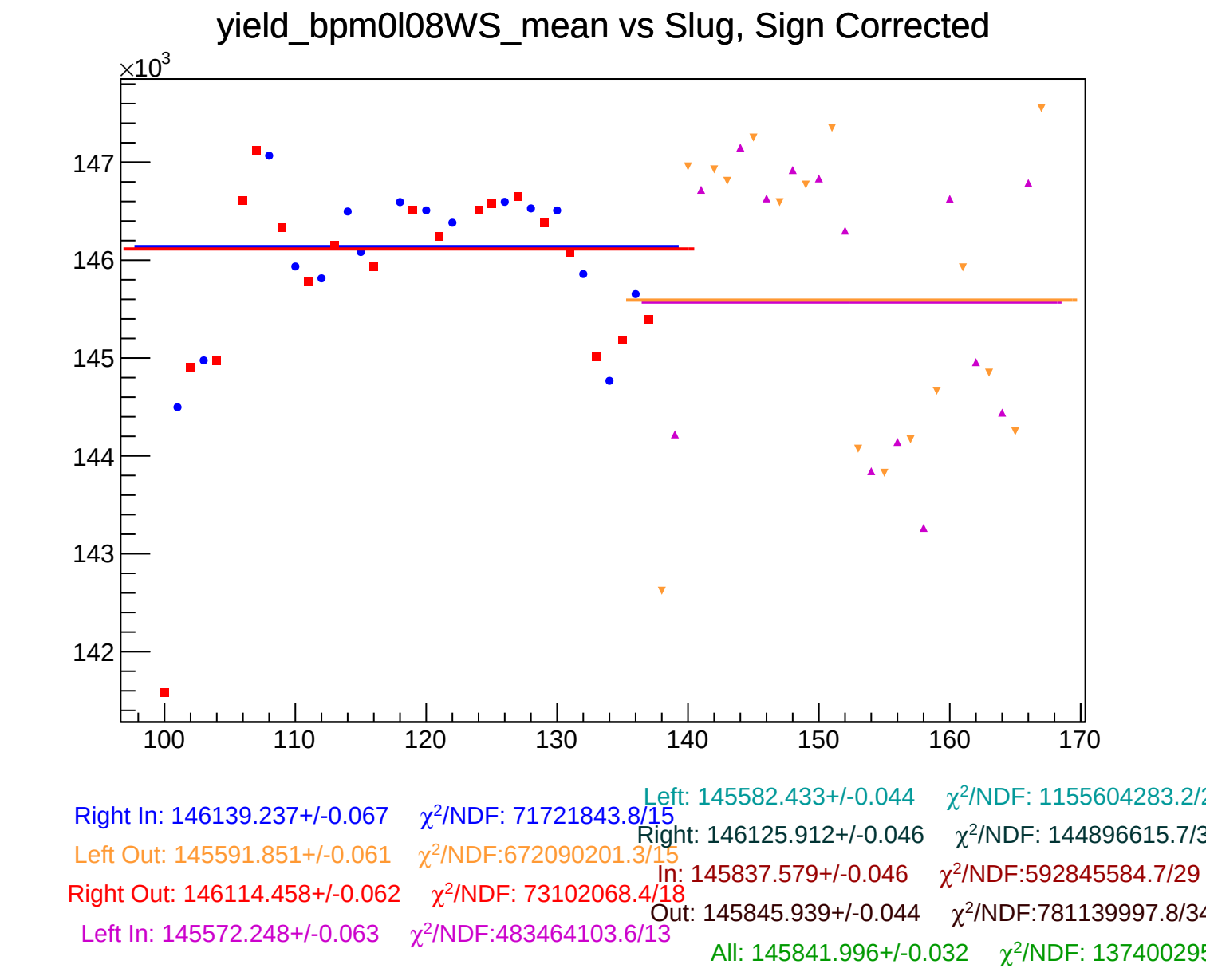
Left: 212.421+/-0.031 χ^2/NDF: 767261.0/29

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

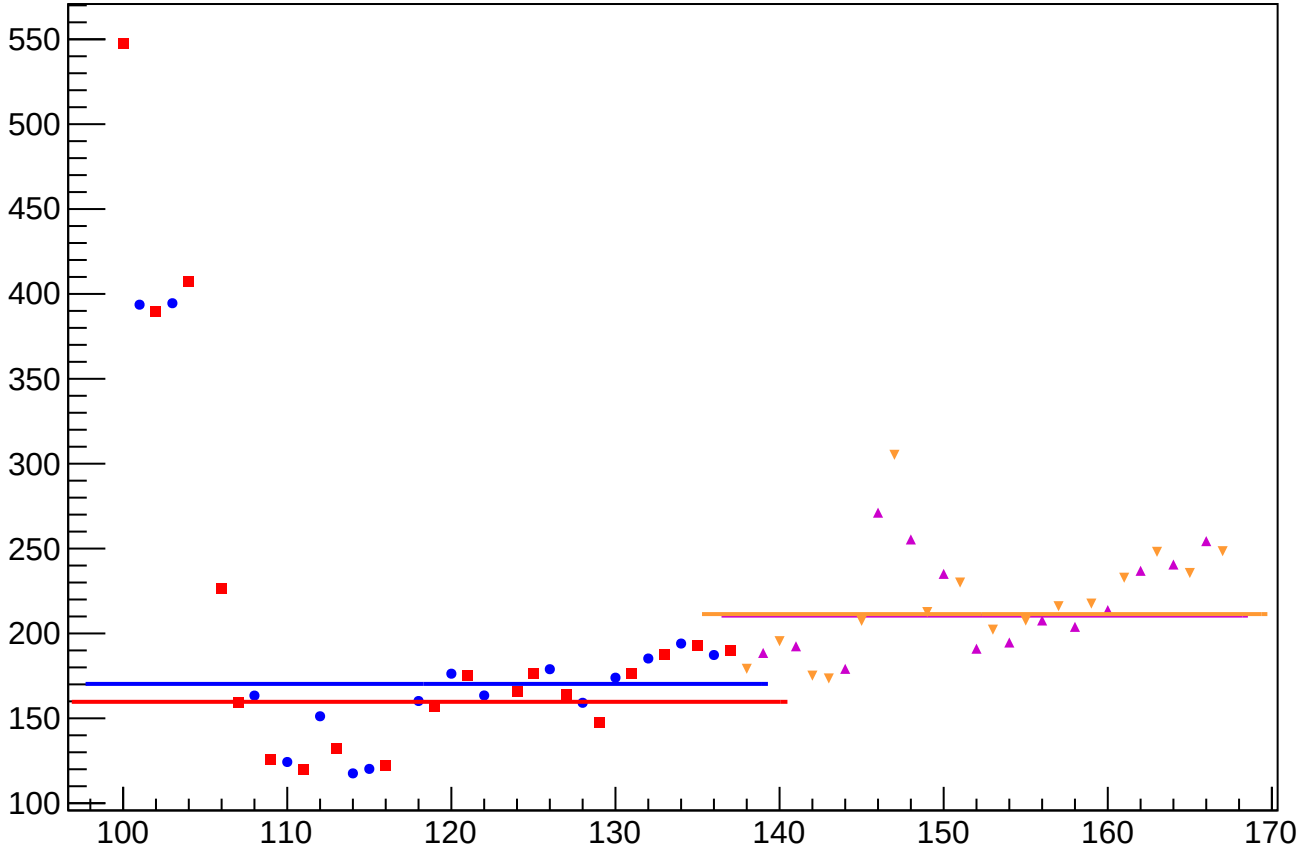
In: 188.384+/-0.032 χ^2/NDF:2018953.2/29

Out: 183.627+/-0.031 χ^2/NDF:2713447.7/34

All: 185.882+/-0.022 χ^2/NDF: 4743932.5/64


yield_bpm0l08WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
100
110
120
130
140
150
160
170
Right In: 146139.237+/-0.067 χ²/NDF: 71721843.8/15
Left Out: 145591.851+/-0.061 χ²/NDF:672090201.3/15
Right Out: 146114.458+/-0.062 χ²/NDF: 73102068.4/18
Left In: 145572.248+/-0.063 χ²/NDF:483464103.6/13
Left: 145582.433+/-0.044 χ²/NDF: 1155604283.2/2
Right: 146125.912+/-0.046 χ²/NDF: 144896615.7/3
In: 145837.579+/-0.046 χ²/NDF:592845584.7/29
Out: 145845.939+/-0.044 χ²/NDF:781139997.8/34
All: 145841.996+/-0.032 χ²/NDF: 13740029

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 211.405+/-0.043 χ^2/NDF:441578.0/15

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 210.507+/-0.045 χ^2/NDF:351245.8/13

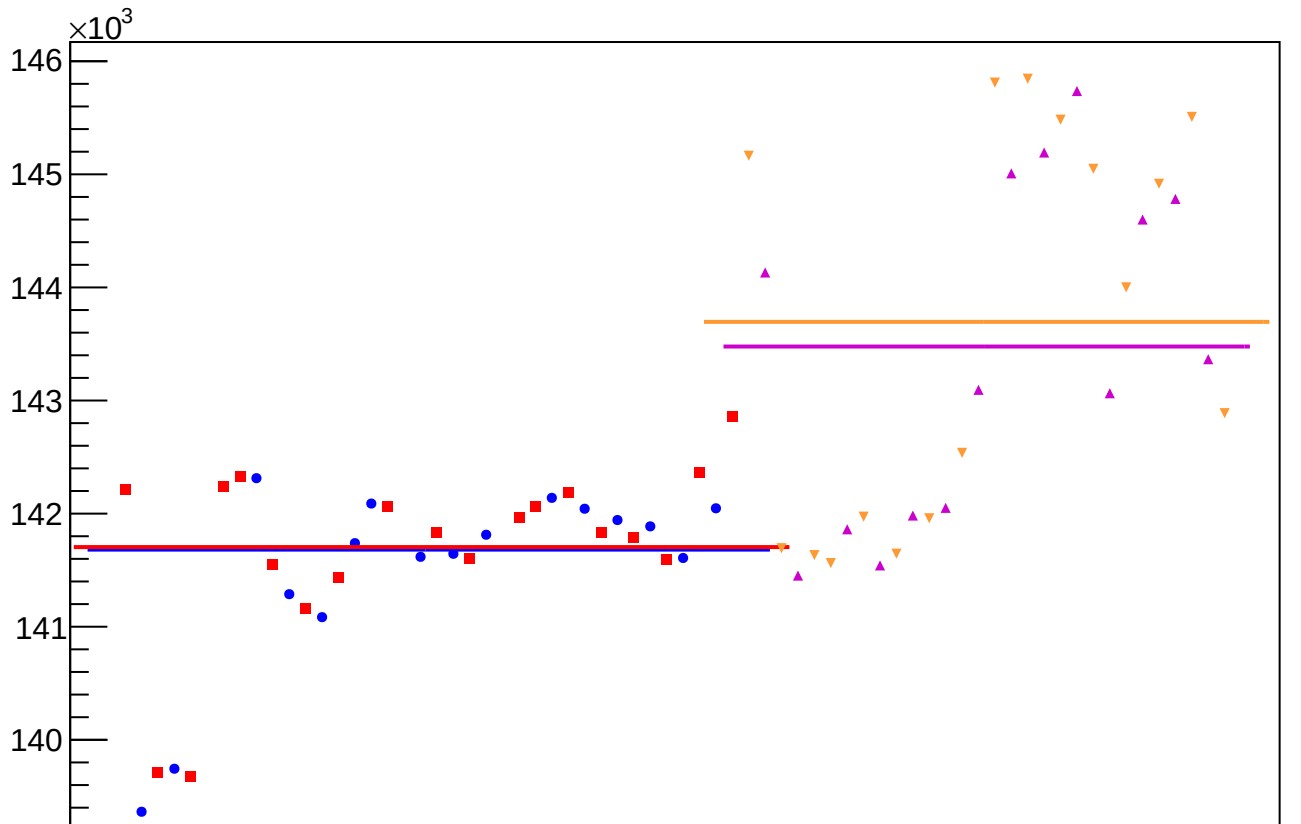
Left: 210.973+/-0.031 χ^2/NDF: 793033.7/29

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 191.681+/-0.033 χ^2/NDF:1788025.9/29

Out: 186.278+/-0.031 χ^2/NDF:2435956.6/34

All: 188.827+/-0.022 χ^2/NDF: 4238496.4/64



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143695.478+/-0.064 χ^2/NDF:701543396.0/15

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143477.392+/-0.066 χ^2/NDF:486408974.3/13

Left: 143589.723+/-0.046 χ^2/NDF: 1193596434.3/2

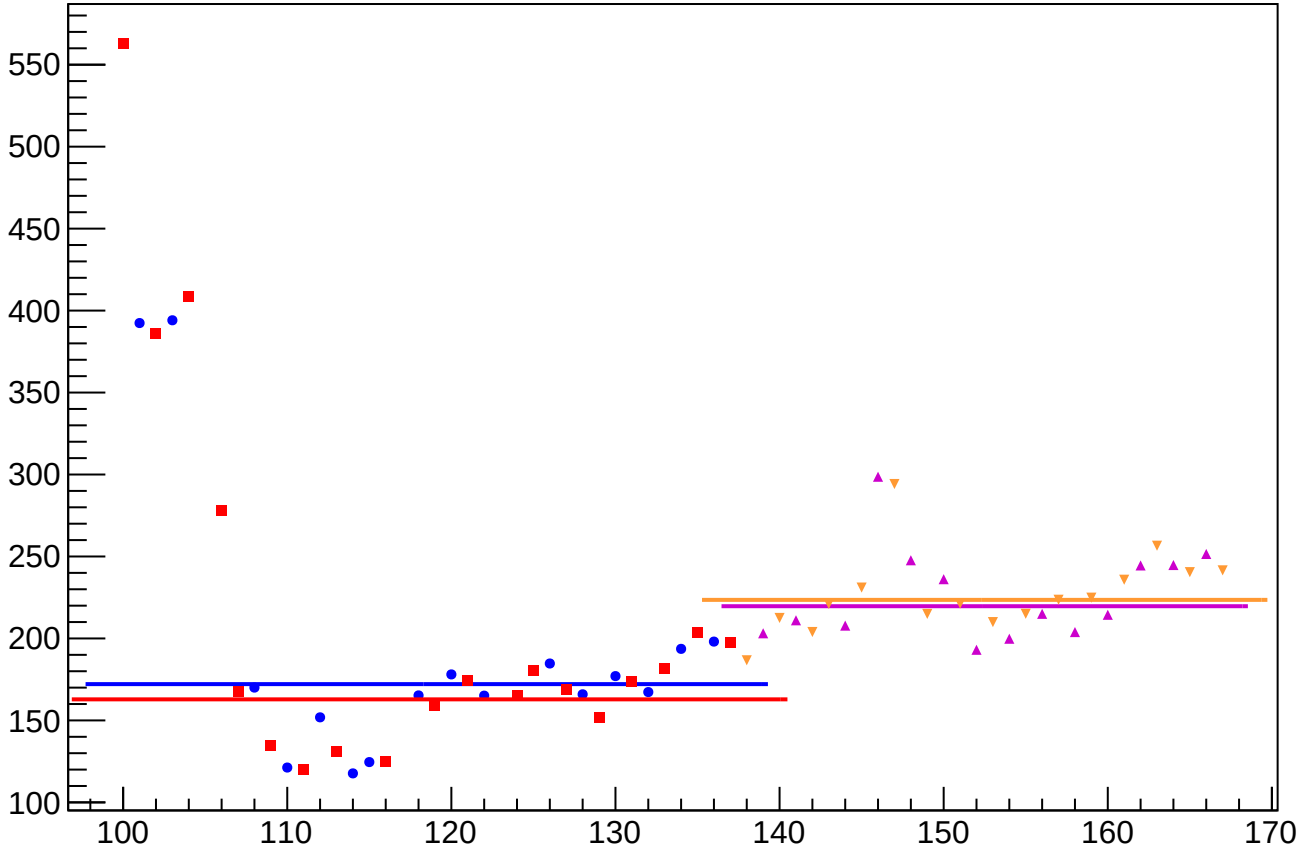
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142611.565+/-0.047 χ^2/NDF:908873211.8/29

Out: 142697.791+/-0.045 χ^2/NDF:1253248067.9/3

All: 142656.775+/-0.033 χ^2/NDF: 21638557

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 223.532+/-0.045 χ^2/NDF:227221.5/15

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 219.662+/-0.047 χ^2/NDF:278120.2/13

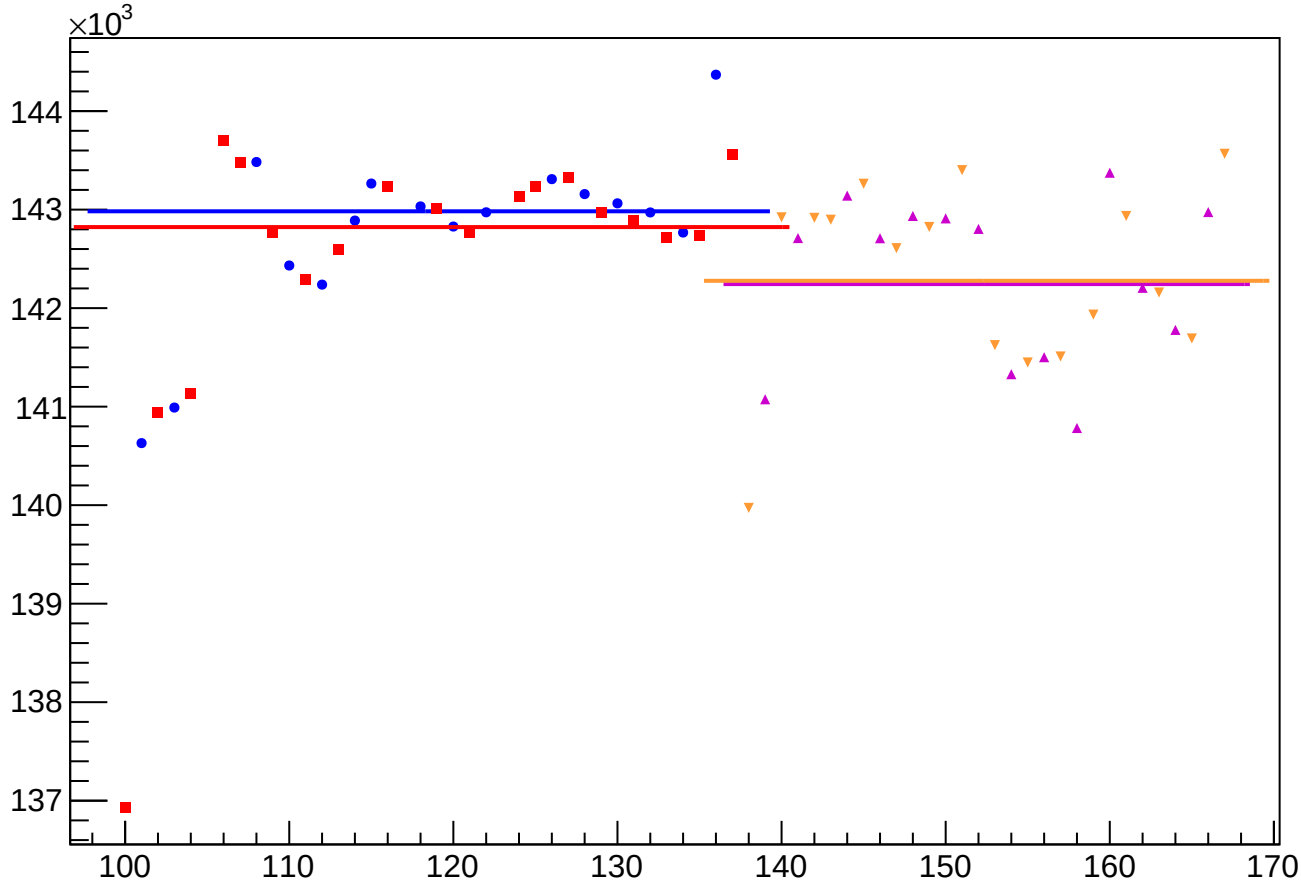
Left: 221.655+/-0.032 χ^2/NDF: 508894.8/29

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 196.746+/-0.034 χ^2/NDF:1848524.1/29

Out: 193.126+/-0.032 χ^2/NDF:2436196.4/34

All: 194.848+/-0.023 χ^2/NDF: 4290835.7/64



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142277.540+/-0.059 χ^2/NDF:274592719.2/15

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142244.059+/-0.062 χ^2/NDF:195560966.4/13

Left: 142261.443+/-0.043 χ^2/NDF: 470306162.7/29

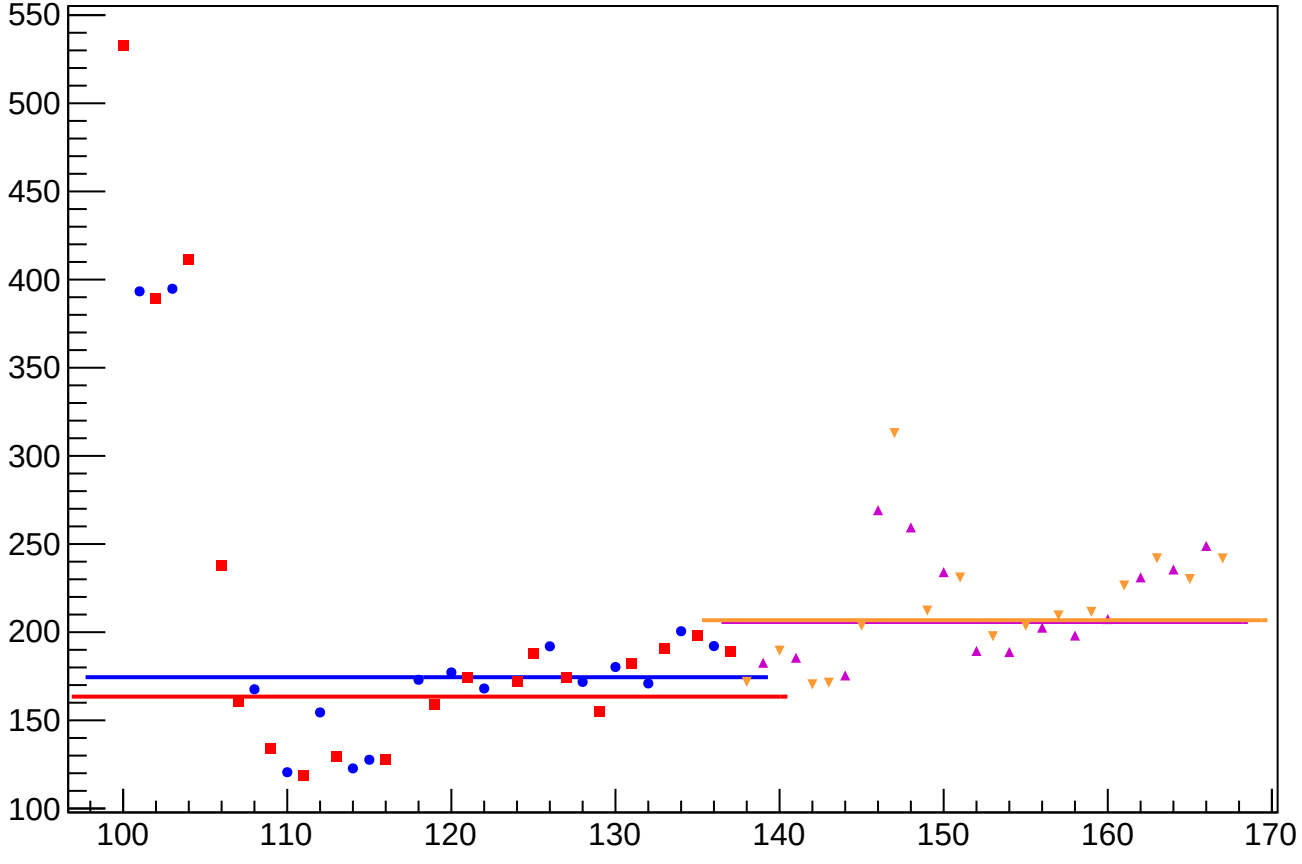
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142572.299+/-0.046 χ^2/NDF:366798677.4/29

Out: 142529.939+/-0.044 χ^2/NDF:377105570.1/34

All: 142549.942+/-0.032 χ^2/NDF: 74435063

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 206.795+/-0.042 χ^2/NDF:488681.0/15

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 205.806+/-0.044 χ^2/NDF:393743.8/13

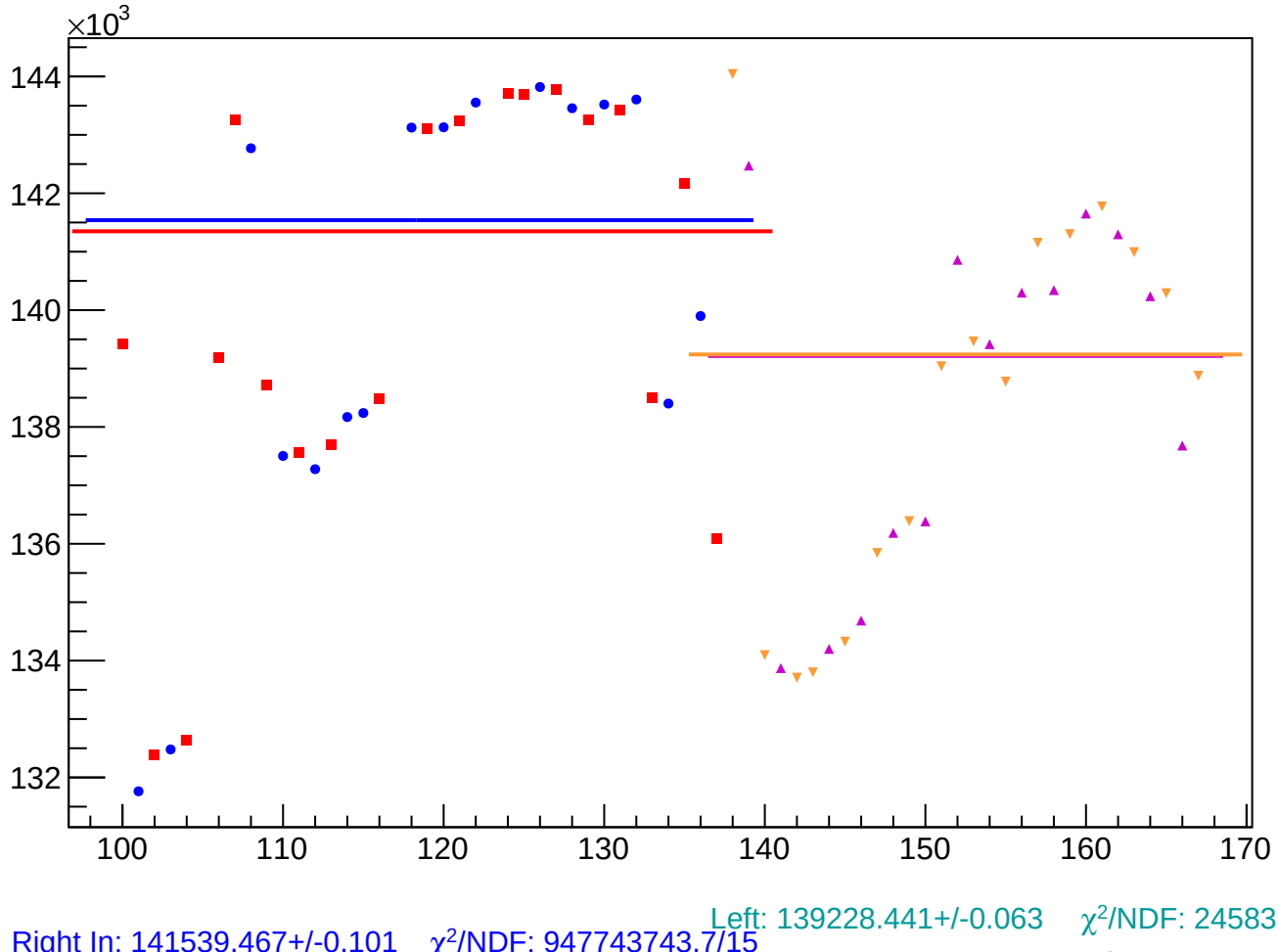
Left: 206.320+/-0.030 χ^2/NDF: 882691.0/29

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

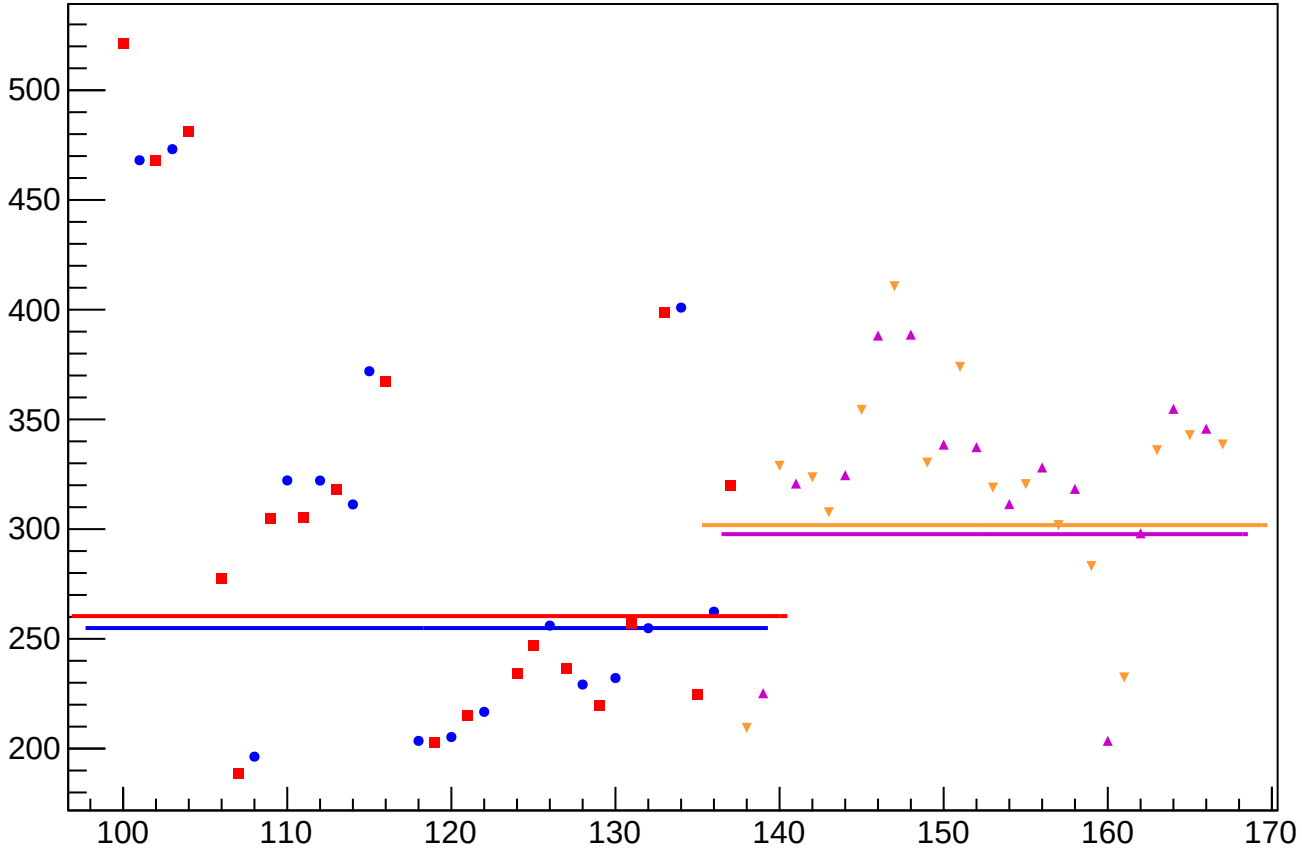
In: 191.885+/-0.033 χ^2/NDF:1671448.3/29

Out: 186.727+/-0.031 χ^2/NDF:2263399.3/34

All: 189.163+/-0.022 χ^2/NDF: 3948083.5/64


yield_bpm0r03WS_mean vs Slug, Sign Corrected
×10^3
144
142
140
138
136
134
132
100
110
120
130
140
150
160
170
Right In: 141539.467+/-0.101 χ²/NDF: 947743743.7/15
Left Out: 139240.714+/-0.088 χ²/NDF:1414035764.0/15
Right Out: 141349.499+/-0.101 χ²/NDF: 926661757.9/18
Left In: 139215.255+/-0.091 χ²/NDF:1044246907.8/13
Left: 139228.441+/-0.063 χ²/NDF: 2458323347.0/2
Right: 141444.713+/-0.071 χ²/NDF: 1876176691.0/
In: 140256.862+/-0.067 χ²/NDF:2285320471.3/29
Out: 140145.993+/-0.066 χ²/NDF:2589220549.3/3
All: 140200.370+/-0.047 χ²/NDF: 48759161

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 301.827+/-0.062 χ^2/NDF:745175.9/15

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 297.710+/-0.064 χ^2/NDF:843141.3/13

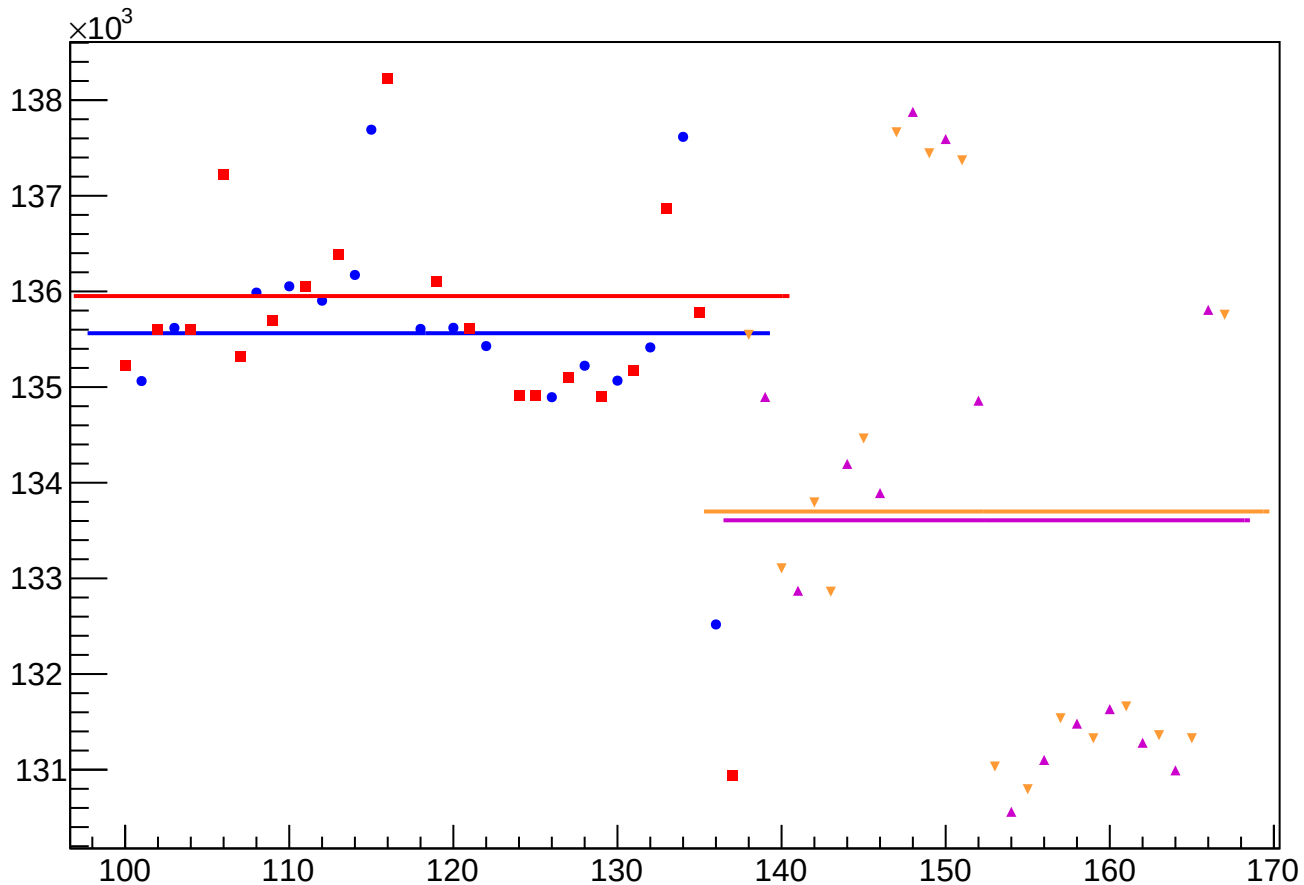
Left: 299.842+/-0.045 χ^2/NDF: 1590443.7/29

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

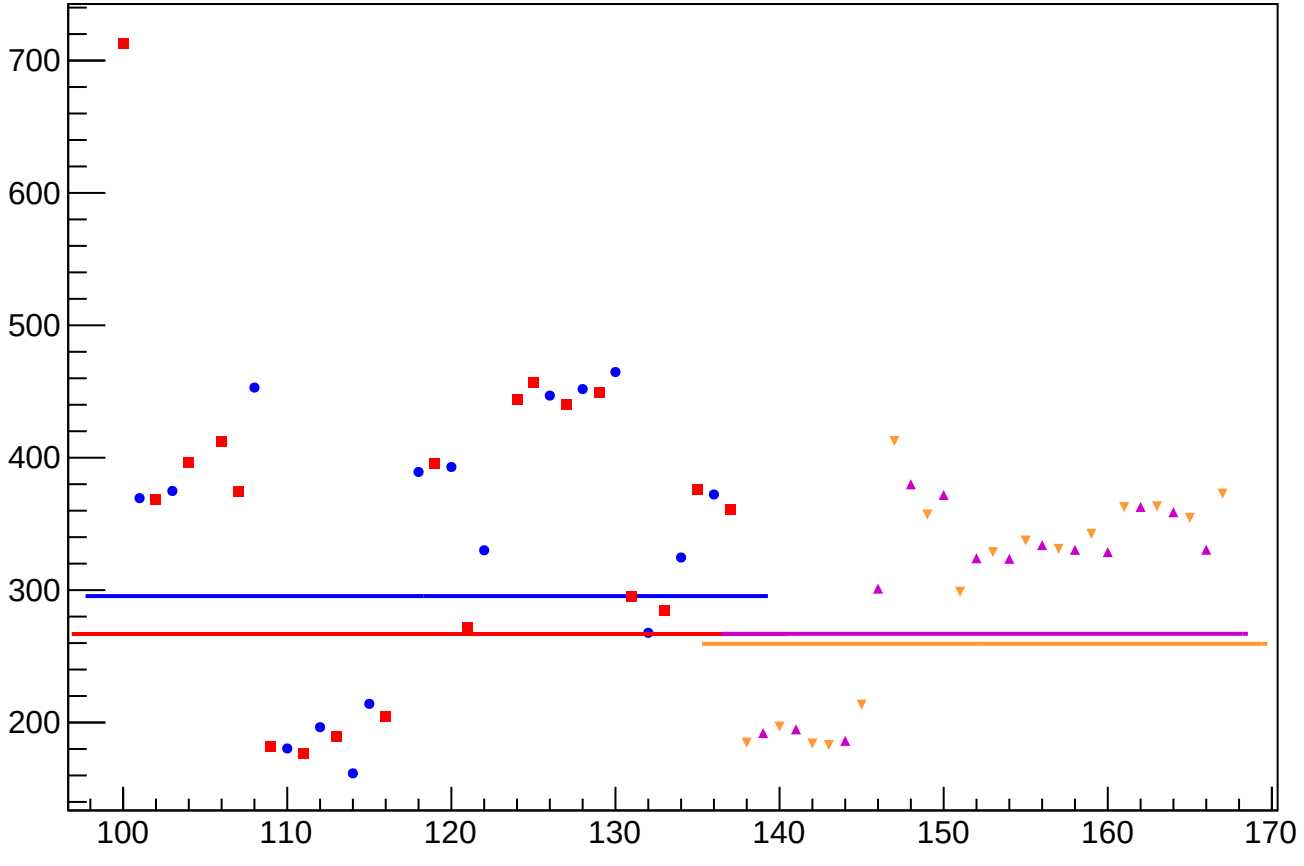
In: 278.533+/-0.048 χ^2/NDF:1991952.1/29

Out: 284.029+/-0.047 χ^2/NDF:1930586.4/34

All: 281.334+/-0.033 χ^2/NDF: 3929296.7/64


yield_bpm0r05WS_mean vs Slug, Sign Corrected
×10^3
138
137
136
135
134
133
132
131
100
110
120
130
140
150
160
170
Right In: 135563.062+/-0.118 χ²/NDF: 94169293.7/15
Left Out: 133699.351+/-0.077 χ²/NDF:696294069.6/15
Right Out: 135951.486+/-0.106 χ²/NDF: 91577209.6/18
Left In: 133607.135+/-0.083 χ²/NDF:555434336.1/13
Left: 133656.305+/-0.057 χ²/NDF: 1252391360.8/2
Right: 135777.958+/-0.079 χ²/NDF: 191705440.0/3
In: 134248.831+/-0.068 χ²/NDF:833113445.1/29
Out: 134478.887+/-0.063 χ²/NDF:1081077157.4/3
All: 134373.056+/-0.046 χ²/NDF: 19204092

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 259.437+/-0.055 χ^2/NDF:2102560.0/15

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 266.994+/-0.058 χ^2/NDF:1648606.7/13

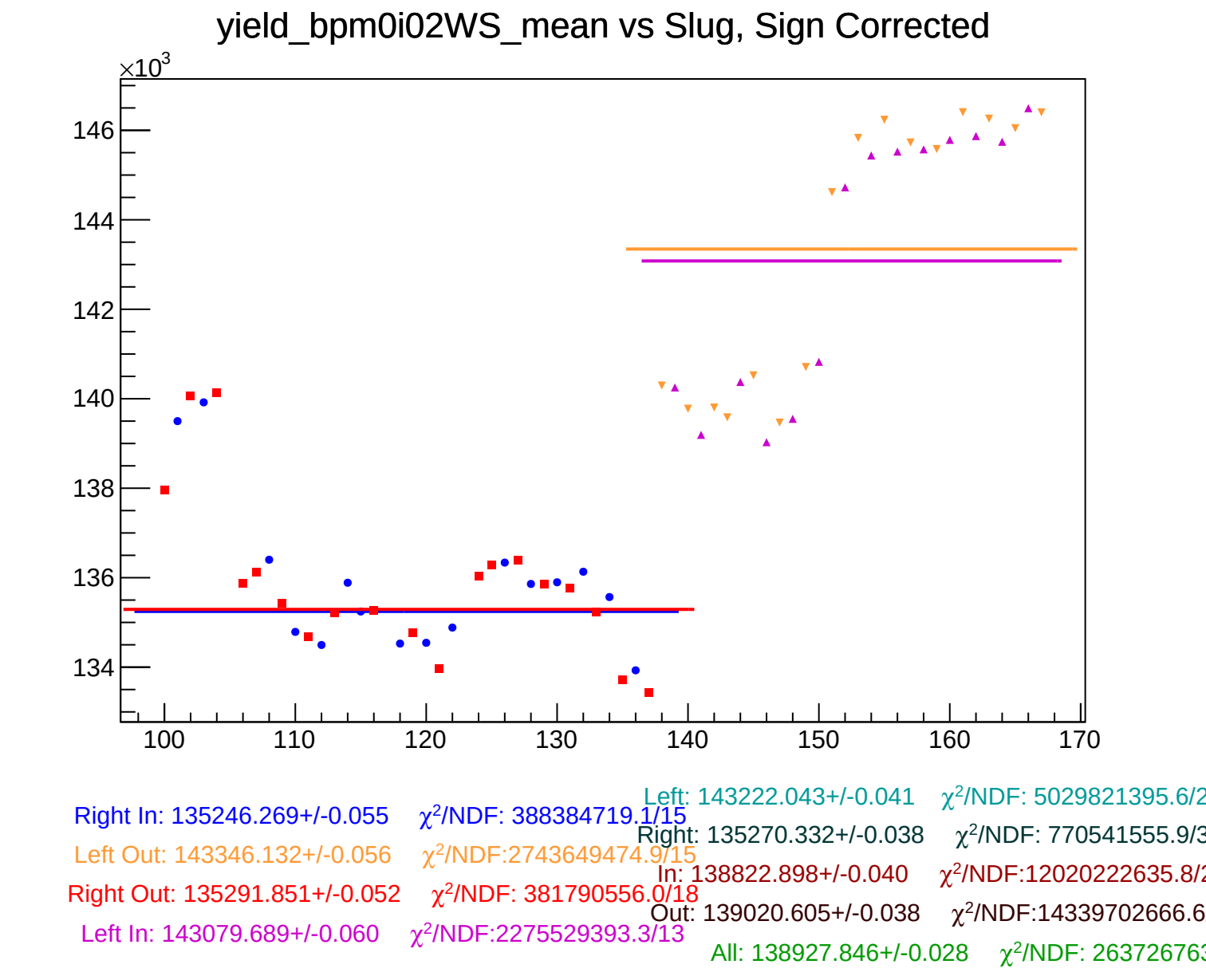
Left: 262.965+/-0.040 χ^2/NDF: 3760072.0/29

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

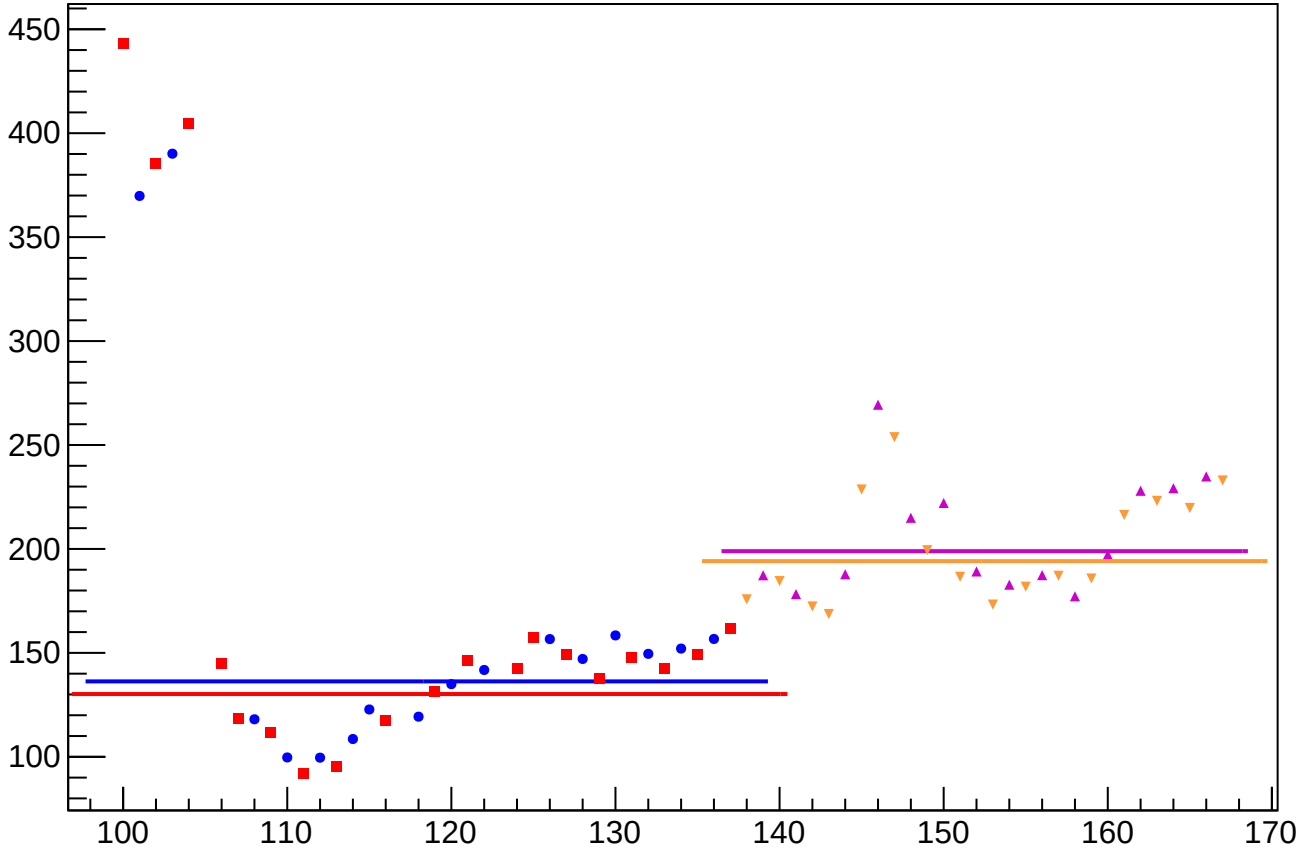
In: 276.340+/-0.048 χ^2/NDF:3168991.5/29

Out: 262.008+/-0.044 χ^2/NDF:3787010.8/34

All: 268.601+/-0.033 χ^2/NDF: 7004276.7/64


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
110
120
130
140
150
160
170
Right In: 135246.269+/-0.055 χ²/NDF: 388384719.1/15
Left Out: 143346.132+/-0.056 χ²/NDF:2743649474.9/15
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 143079.689+/-0.060 χ²/NDF:2275529393.3/13
Left: 143222.043+/-0.041 χ²/NDF: 5029821395.6/2
Right: 135270.332+/-0.038 χ²/NDF: 770541555.9/3
In: 138822.898+/-0.040 χ²/NDF:12020222635.8/2
Out: 139020.605+/-0.038 χ²/NDF:14339702666.6
All: 138927.846+/-0.028 χ²/NDF: 263726763

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 194.141+/-0.039 χ^2/NDF:339346.9/15

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 198.935+/-0.042 χ^2/NDF:302278.3/13

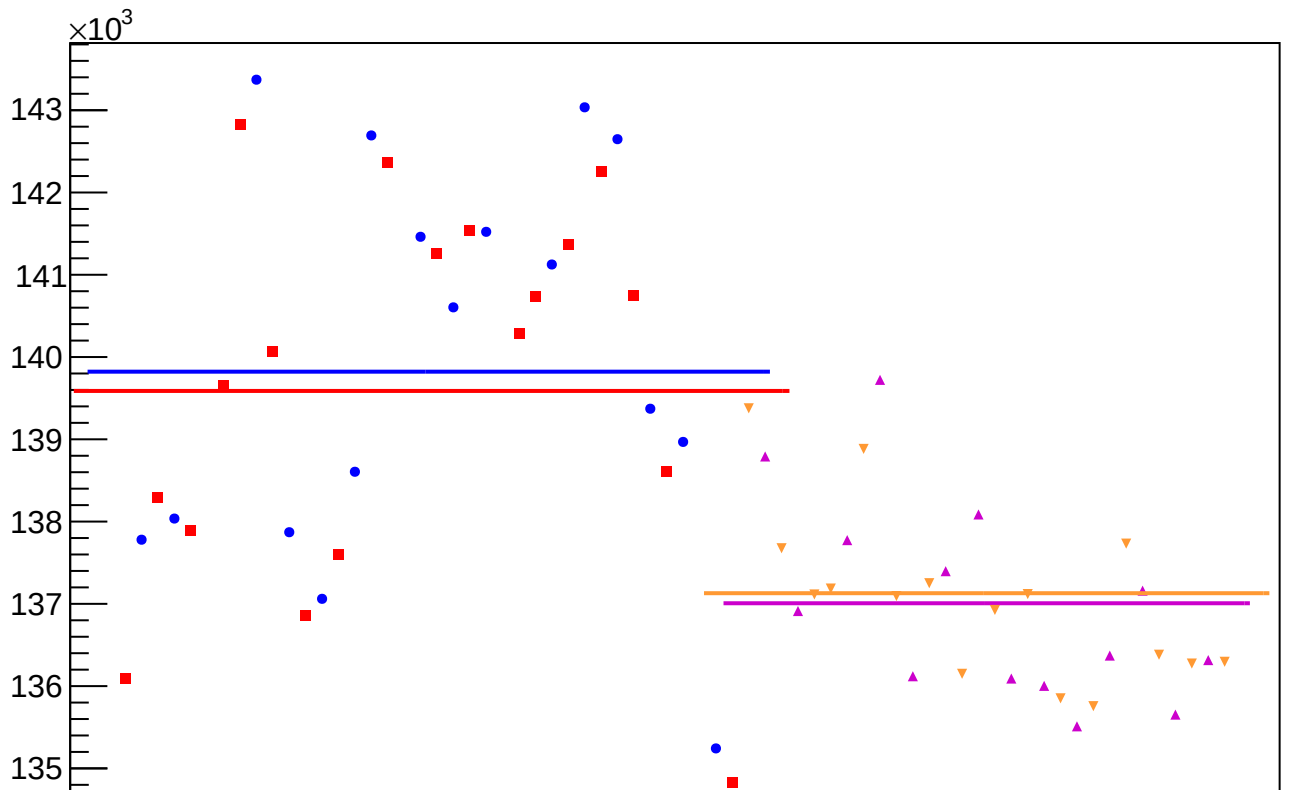
Left: 196.374+/-0.029 χ^2/NDF: 648516.8/29

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 164.890+/-0.029 χ^2/NDF:2883290.6/29

Out: 159.805+/-0.027 χ^2/NDF:3273462.1/34

All: 162.191+/-0.020 χ^2/NDF: 6173625.6/64



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137129.393+/-0.058 χ^2/NDF:315473029.3/15

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137007.177+/-0.061 χ^2/NDF:354969449.3/13

Left: 137071.490+/-0.042 χ^2/NDF: 672579392.0/29

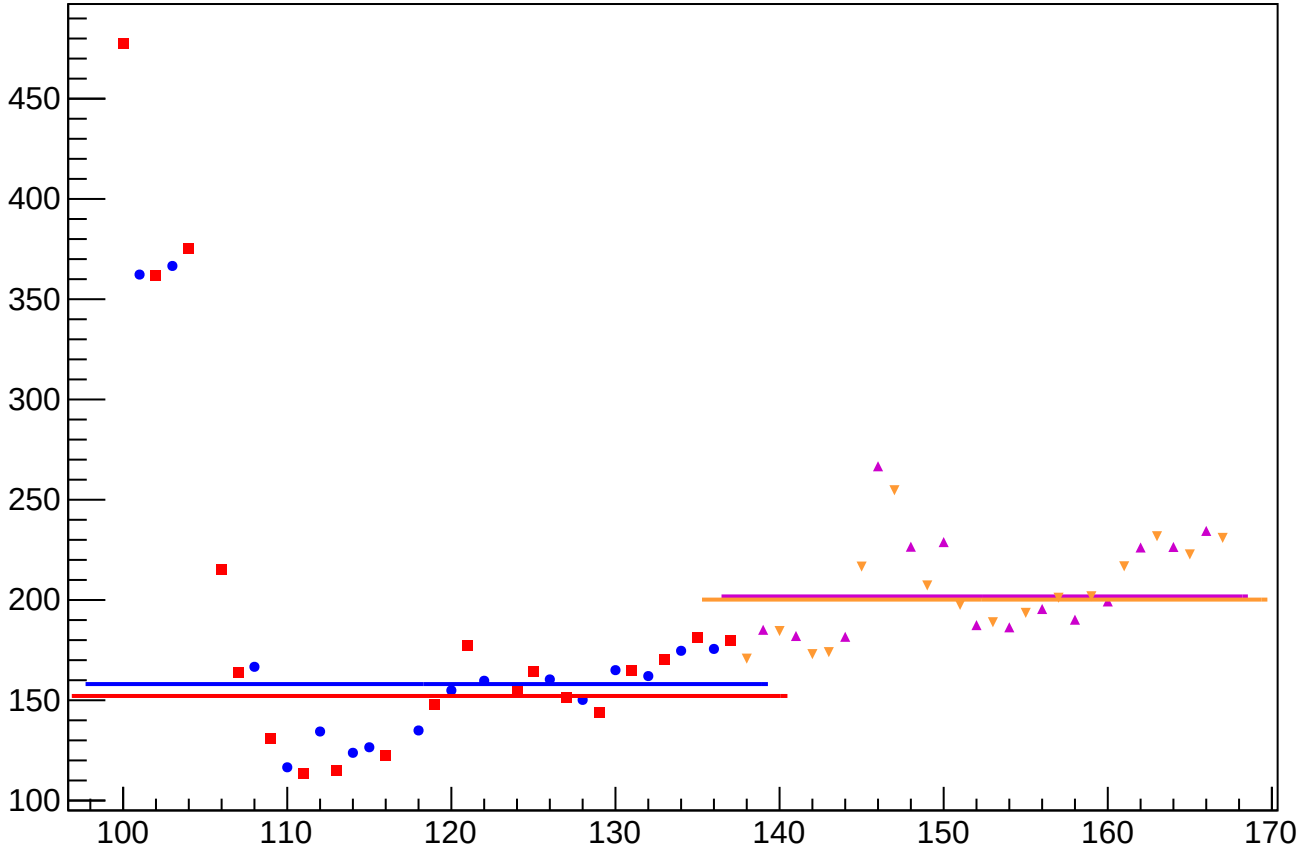
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138370.283+/-0.044 χ^2/NDF:3061519001.2/29

Out: 138312.955+/-0.041 χ^2/NDF:2677062457.1/3

All: 138340.193+/-0.030 χ^2/NDF: 57394907

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 200.203+/-0.041 χ^2/NDF:286927.9/15

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 201.782+/-0.043 χ^2/NDF:285570.6/13

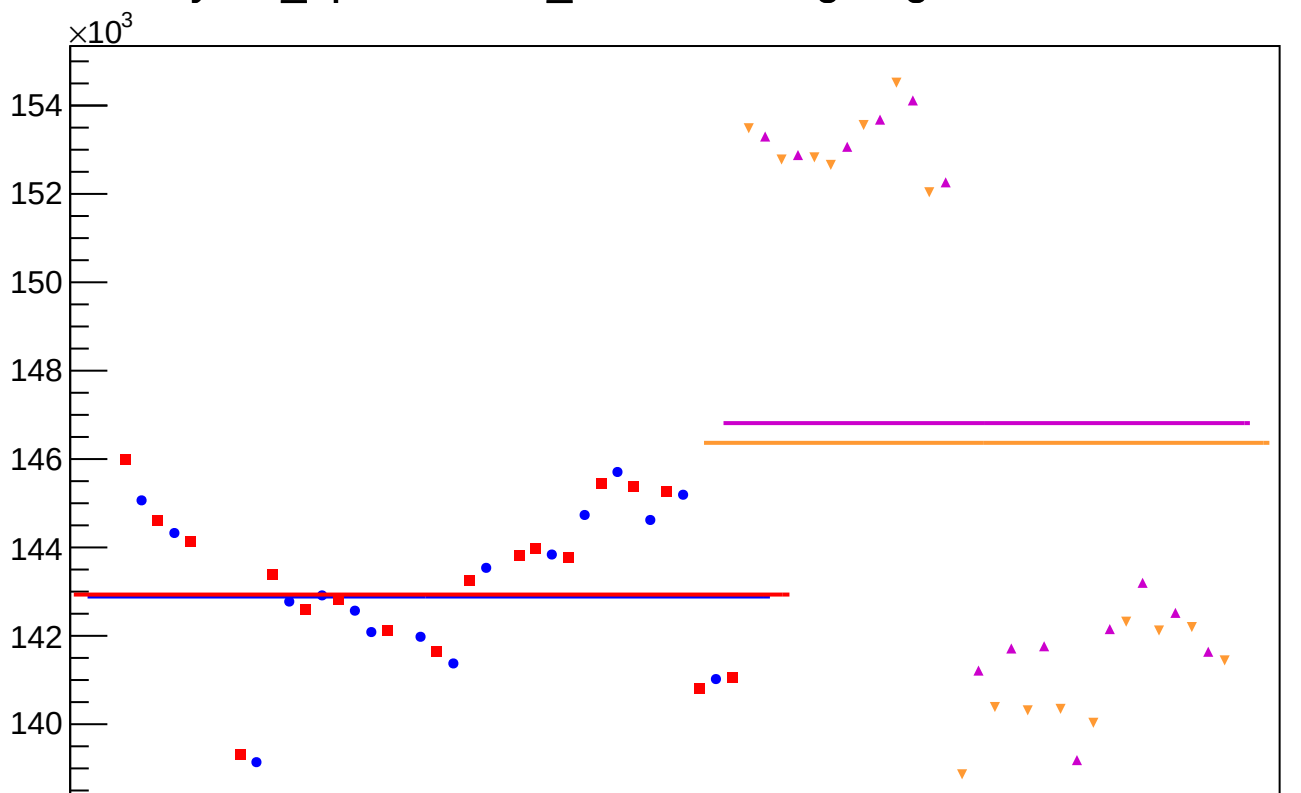
Left: 200.951+/-0.030 χ^2/NDF: 573211.9/29

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 180.619+/-0.031 χ^2/NDF:1806373.4/29

Out: 177.064+/-0.029 χ^2/NDF:2187646.5/34

All: 178.753+/-0.021 χ^2/NDF: 4001014.8/64



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 146367.254+/-0.058 χ^2/NDF:11319890871.8/15

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 146813.483+/-0.062 χ^2/NDF:9130888104.1/13

Left: 146578.704+/-0.042 χ^2/NDF: 20478466140.9

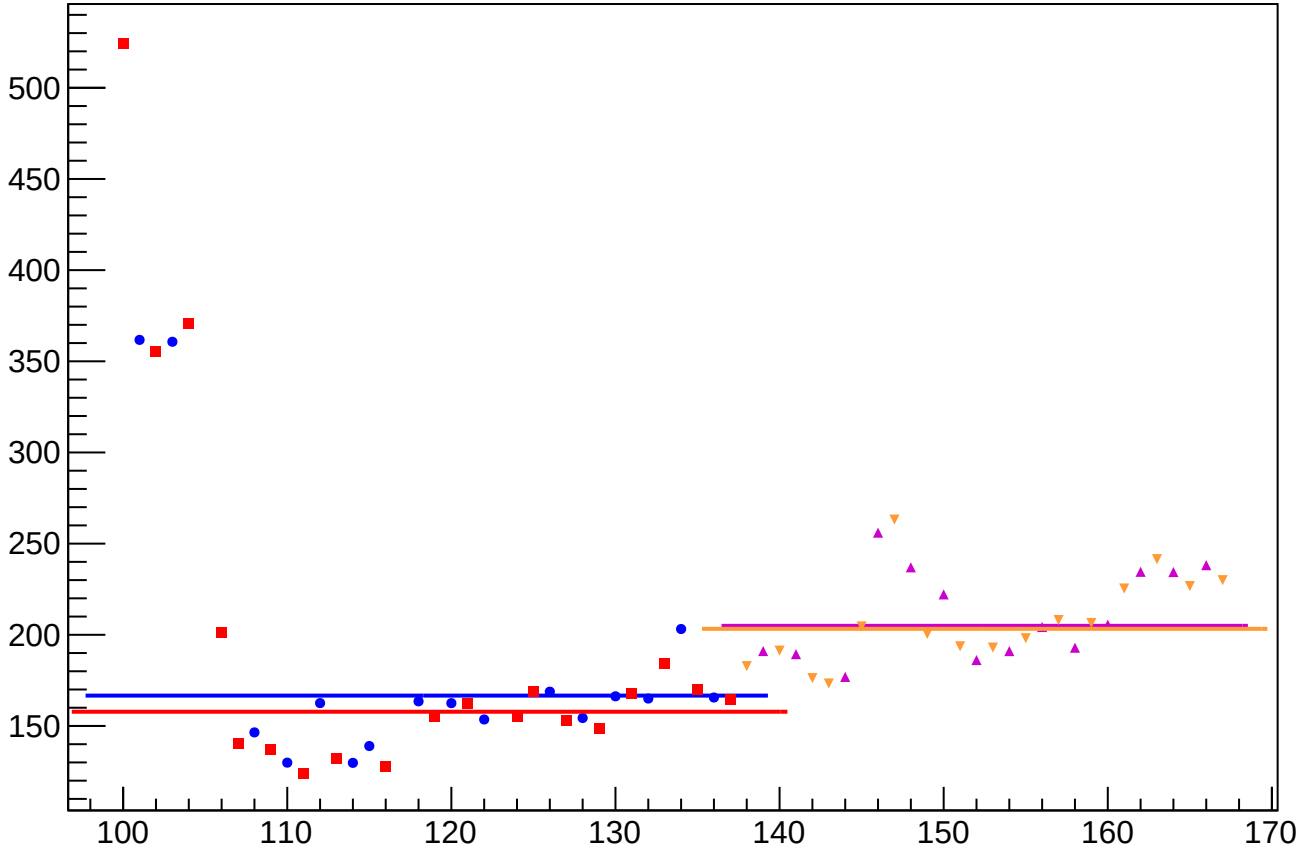
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144979.988+/-0.045 χ^2/NDF:11795628107.4/2

Out: 144740.973+/-0.042 χ^2/NDF:13745710500.3

All: 144853.509+/-0.031 χ^2/NDF: 255563345

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 203.275+/-0.041 χ^2/NDF:279007.5/15

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 204.910+/-0.043 χ^2/NDF:272827.9/13

Left: 204.050+/-0.030 χ^2/NDF: 552578.5/29

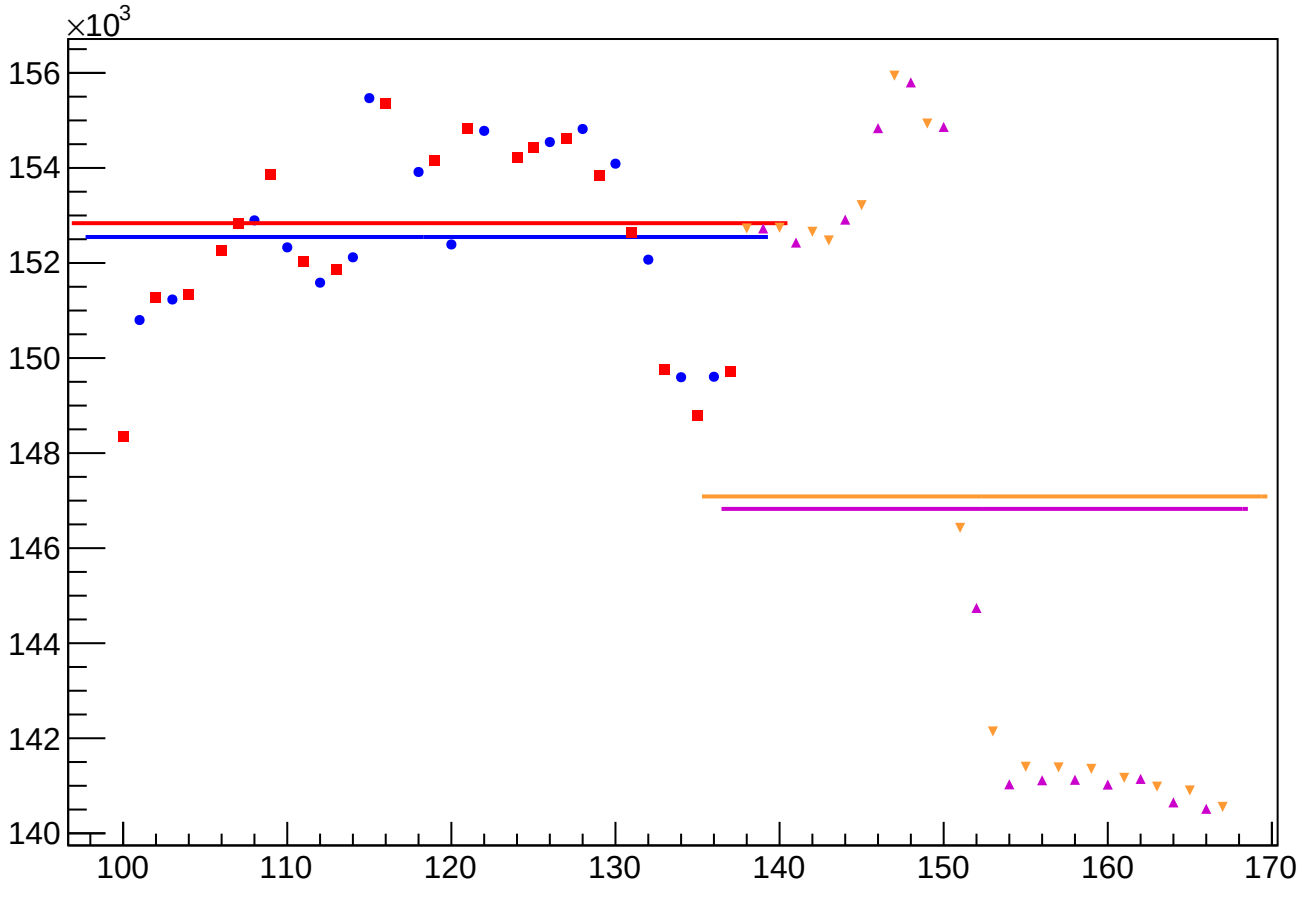
Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 187.036+/-0.032 χ^2/NDF:1497786.3/29

Out: 181.739+/-0.030 χ^2/NDF:1875976.7/34

All: 184.233+/-0.022 χ^2/NDF: 3388493.6/64

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147088.231+/-0.058 χ^2/NDF:10131633182.9/15

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 146826.130+/-0.061 χ^2/NDF:9997083779.0/13

Left: 146963.723+/-0.042 χ^2/NDF: 20138413470.5

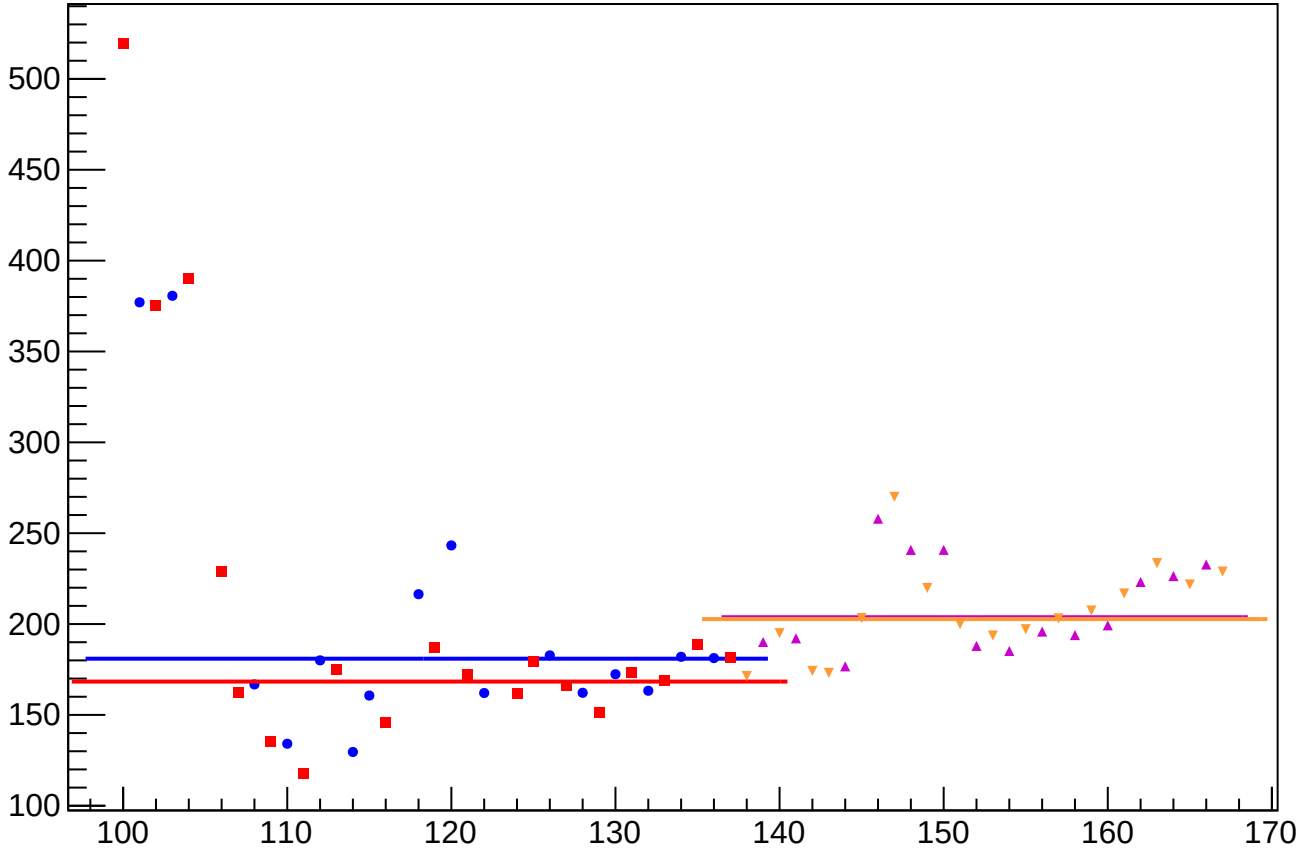
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 149192.270+/-0.047 χ^2/NDF:14291134518.2/2

Out: 149566.191+/-0.044 χ^2/NDF:15101892214.4

All: 149391.366+/-0.032 χ^2/NDF: 29427161

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 202.738+/-0.041 χ^2/NDF:305692.3/15

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 203.766+/-0.043 χ^2/NDF:292680.9/13

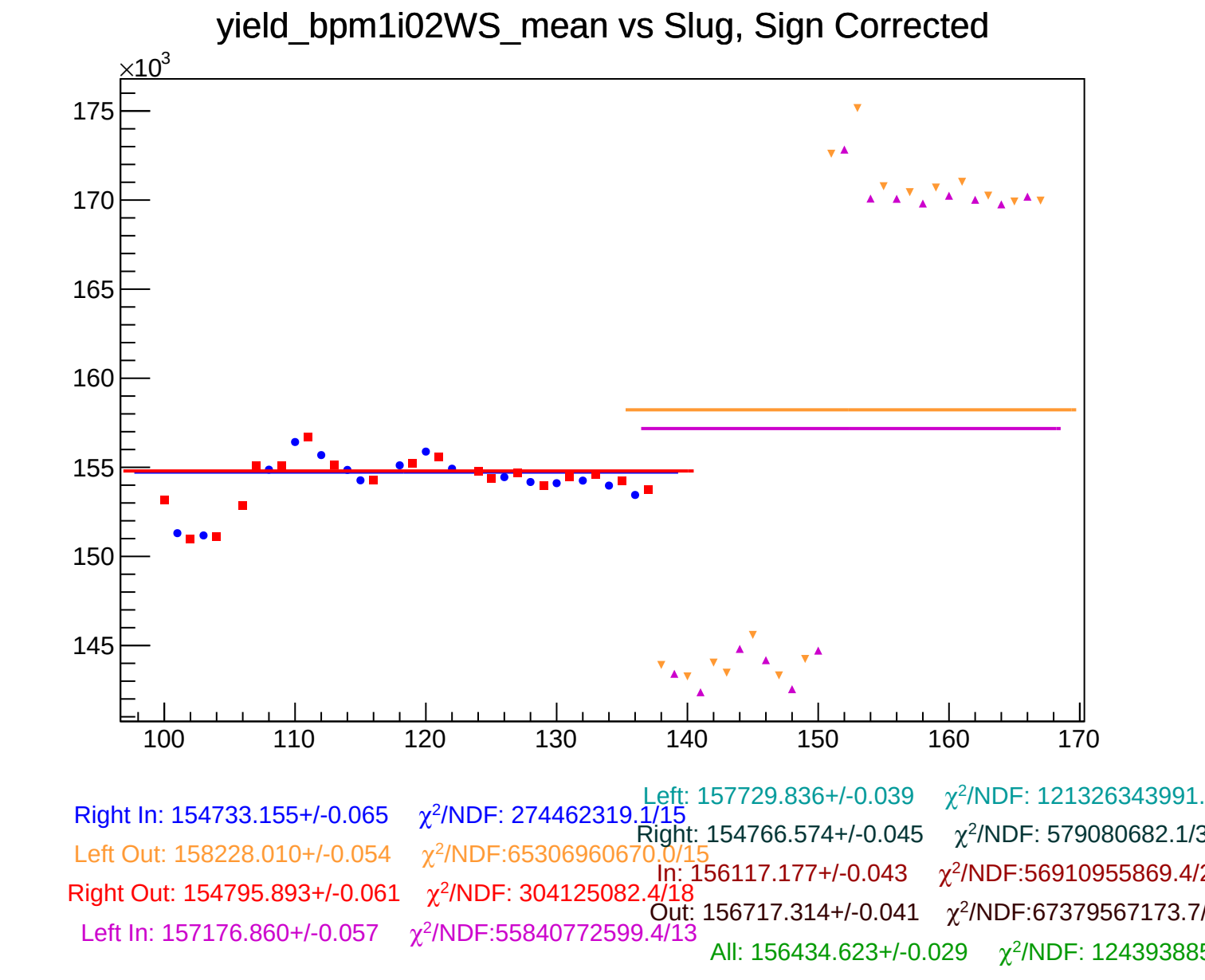
Left: 203.226+/-0.030 χ^2/NDF: 598671.9/29

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

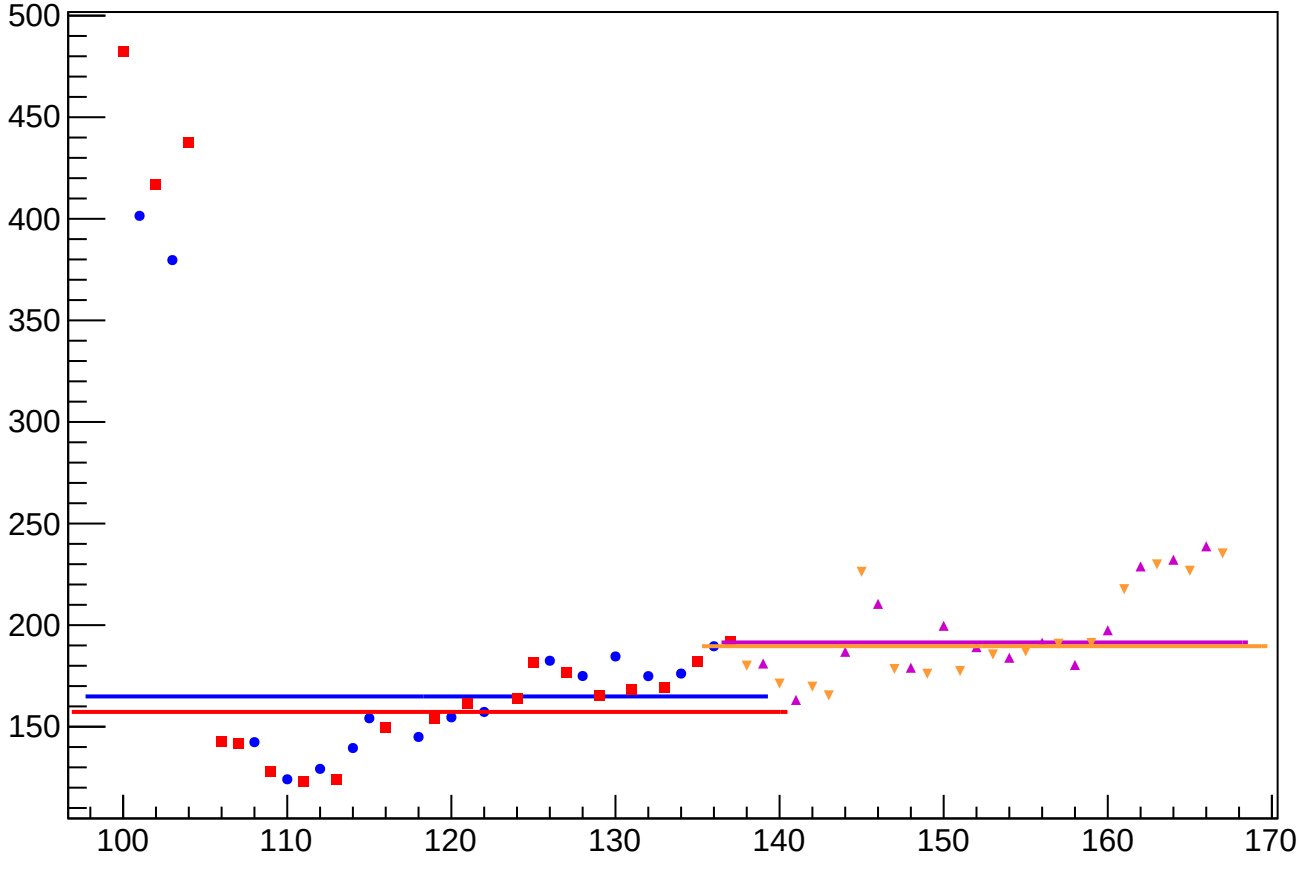
In: 194.325+/-0.033 χ^2/NDF:1316343.8/29

Out: 187.917+/-0.031 χ^2/NDF:1697655.8/34

All: 190.913+/-0.023 χ^2/NDF: 3034047.0/64


yield_bpm1i02WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
100
110
120
130
140
150
160
170
Right In: 154733.155+/-0.065 χ²/NDF: 274462319.1/15
Left Out: 158228.010+/-0.054 χ²/NDF:65306960670.0/15
Right Out: 154795.893+/-0.061 χ²/NDF: 304125082.4/18
Left In: 157176.860+/-0.057 χ²/NDF:55840772599.4/13
Left: 157729.836+/-0.039 χ²/NDF: 121326343991.
Right: 154766.574+/-0.045 χ²/NDF: 579080682.1/3
In: 156117.177+/-0.043 χ²/NDF:56910955869.4/2
Out: 156717.314+/-0.041 χ²/NDF:67379567173.7/
All: 156434.623+/-0.029 χ²/NDF: 12439388

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 189.634+/-0.038 χ^2/NDF:308218.0/15

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 191.484+/-0.040 χ^2/NDF:219956.5/13

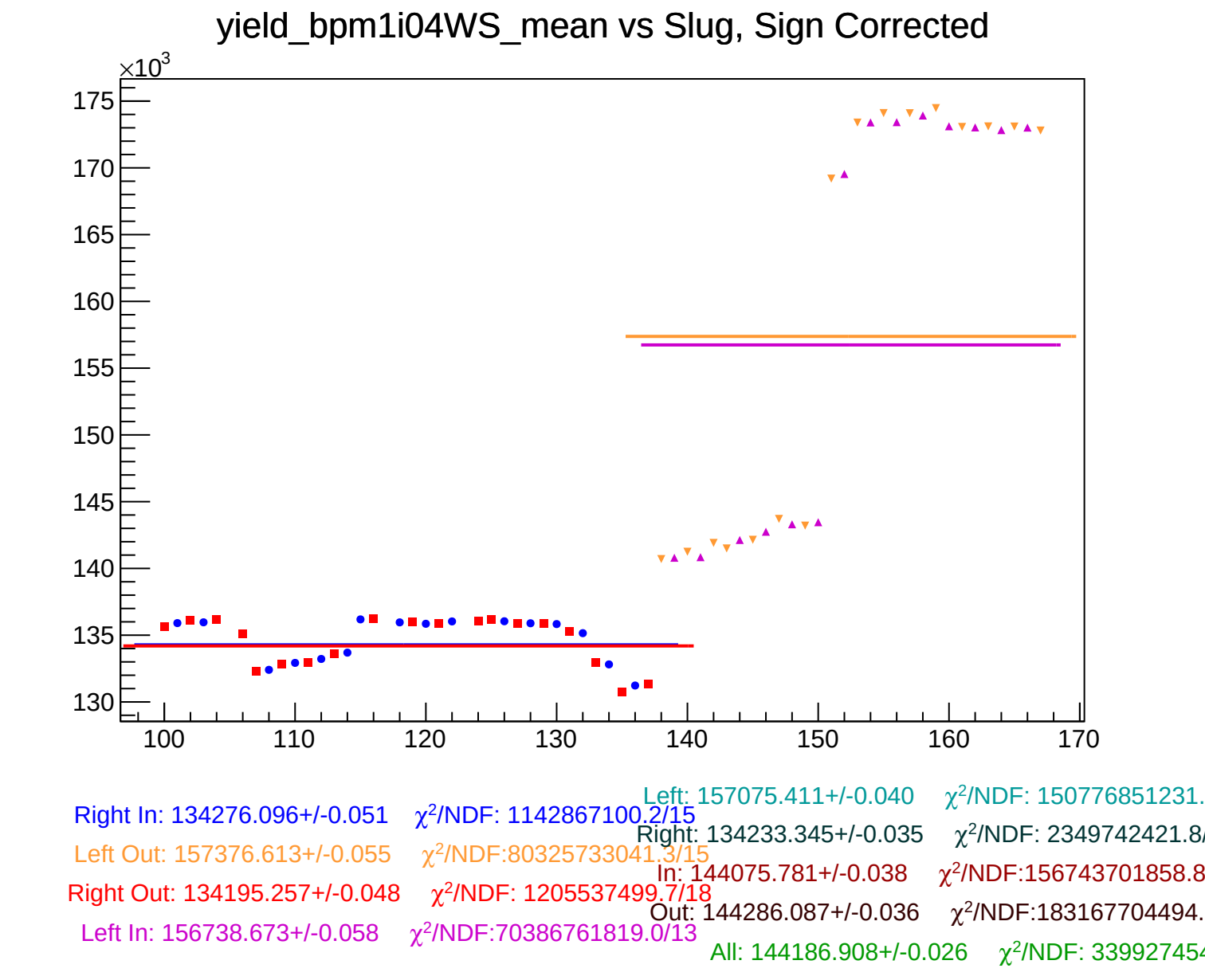
Left: 190.511+/-0.028 χ^2/NDF: 529280.7/29

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

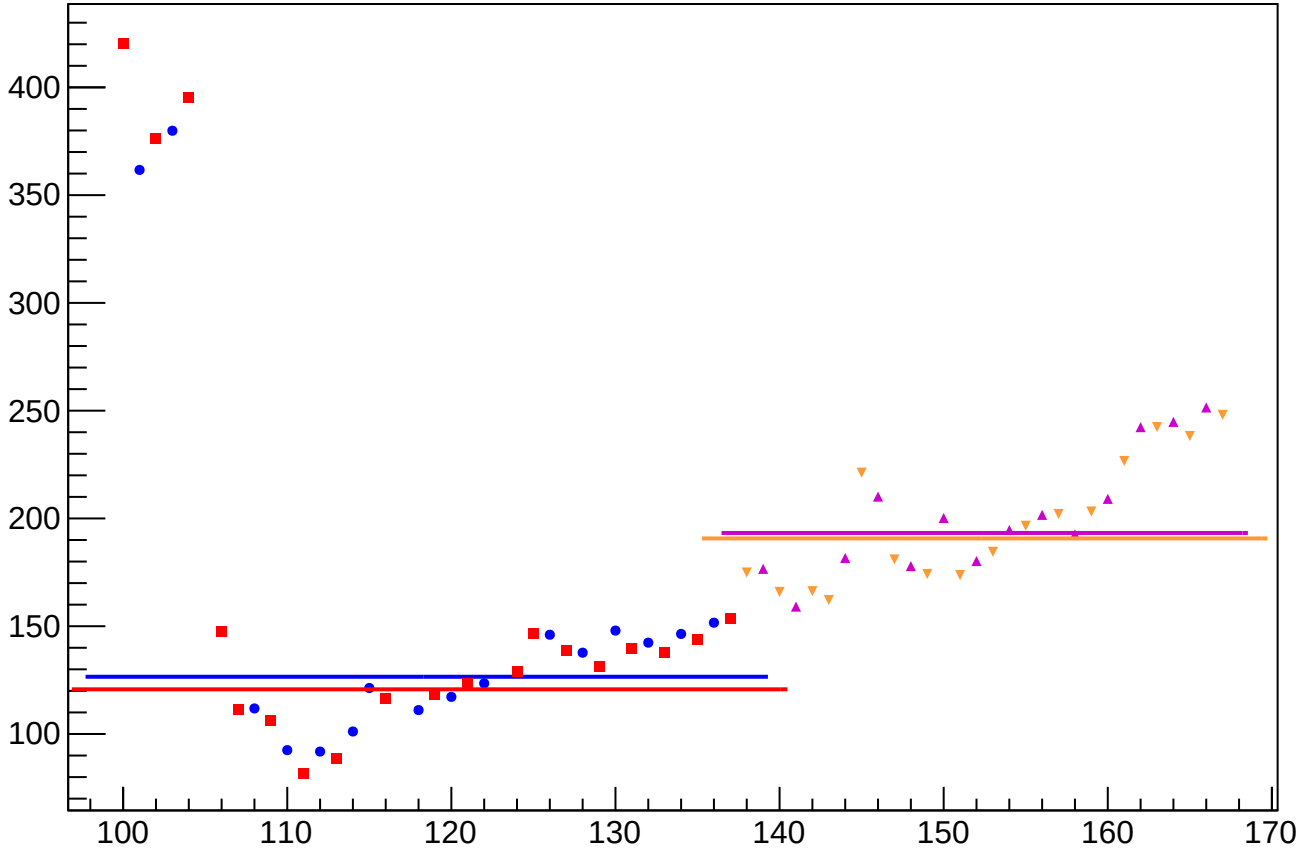
In: 179.959+/-0.030 χ^2/NDF:1480931.9/29

Out: 175.394+/-0.029 χ^2/NDF:1877307.4/34

All: 177.544+/-0.021 χ^2/NDF: 3370198.3/64


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
160
170
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 157376.613+/-0.055 χ²/NDF:80325733041.3/15
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 156738.673+/-0.058 χ²/NDF:70386761819.0/13
Left: 157075.411+/-0.040 χ²/NDF: 150776851231.
Right: 134233.345+/-0.035 χ²/NDF: 2349742421.8/
In: 144075.781+/-0.038 χ²/NDF:156743701858.8
Out: 144286.087+/-0.036 χ²/NDF:183167704494.
All: 144186.908+/-0.026 χ²/NDF: 33992745

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 190.730+/-0.039 χ^2/NDF:448981.1/15

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 193.266+/-0.041 χ^2/NDF:329181.0/13

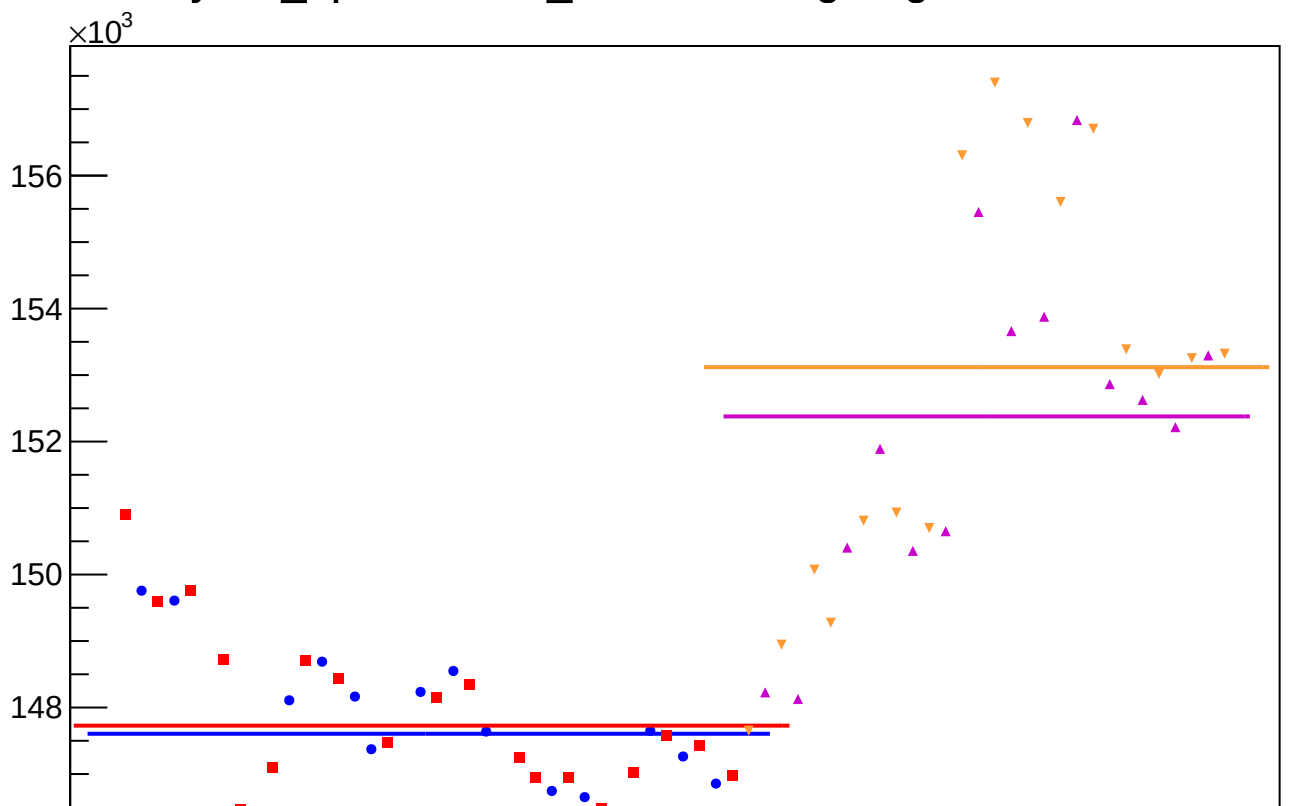
Left: 191.927+/-0.028 χ^2/NDF: 780195.1/29

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 155.656+/-0.027 χ^2/NDF:3309981.2/29

Out: 151.197+/-0.025 χ^2/NDF:3935614.1/34

All: 153.300+/-0.019 χ^2/NDF: 7260025.4/64



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153119.637+/-0.059 χ^2/NDF:2909100401.6/15

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152378.404+/-0.062 χ^2/NDF:1718891182.6/13

Left: 152768.369+/-0.043 χ^2/NDF: 4702009322.3/2

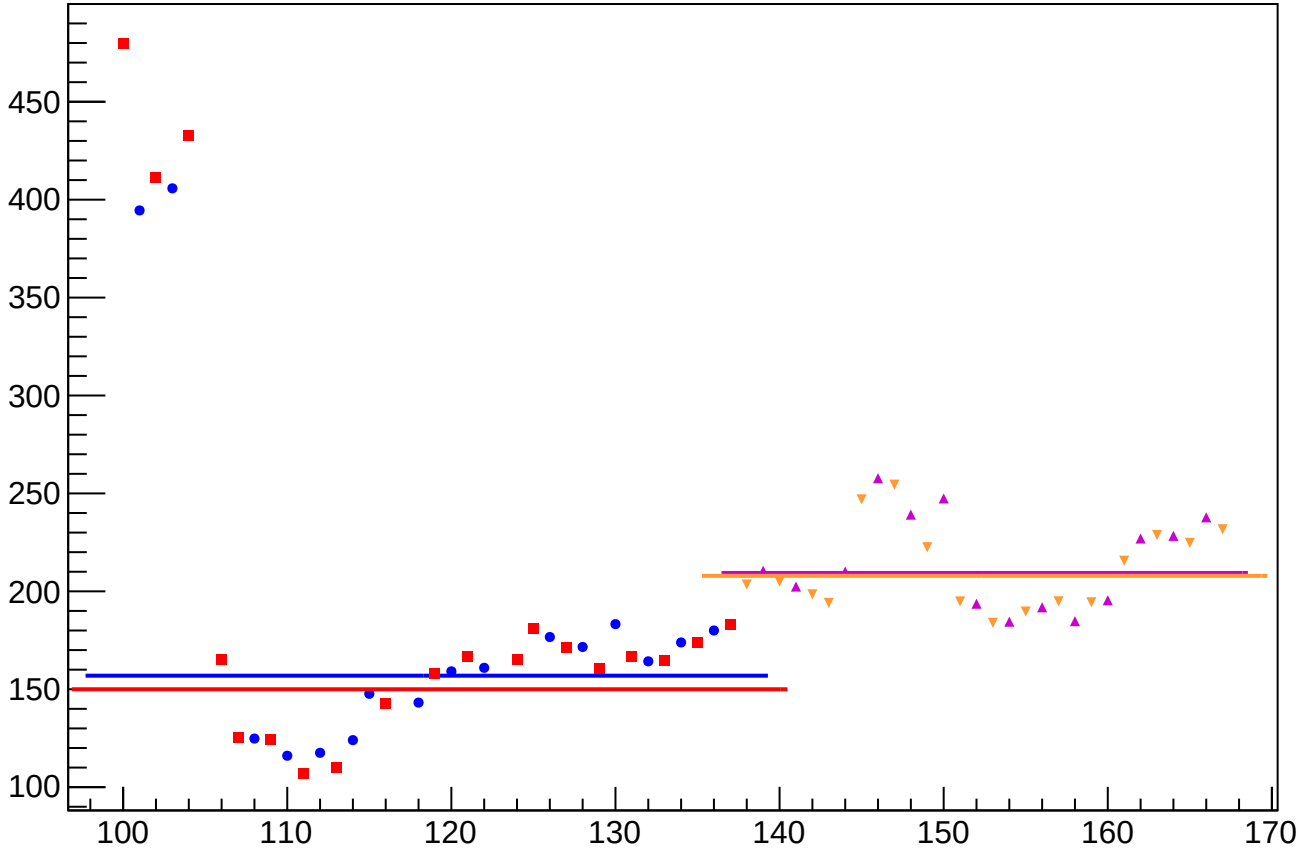
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 149991.333+/-0.044 χ^2/NDF:4836793121.6/29

Out: 150406.393+/-0.042 χ^2/NDF:7262862513.1/3

All: 150210.331+/-0.030 χ^2/NDF: 12146220

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 207.903+/-0.042 χ^2/NDF:218273.2/15

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 209.389+/-0.044 χ^2/NDF:261002.6/13

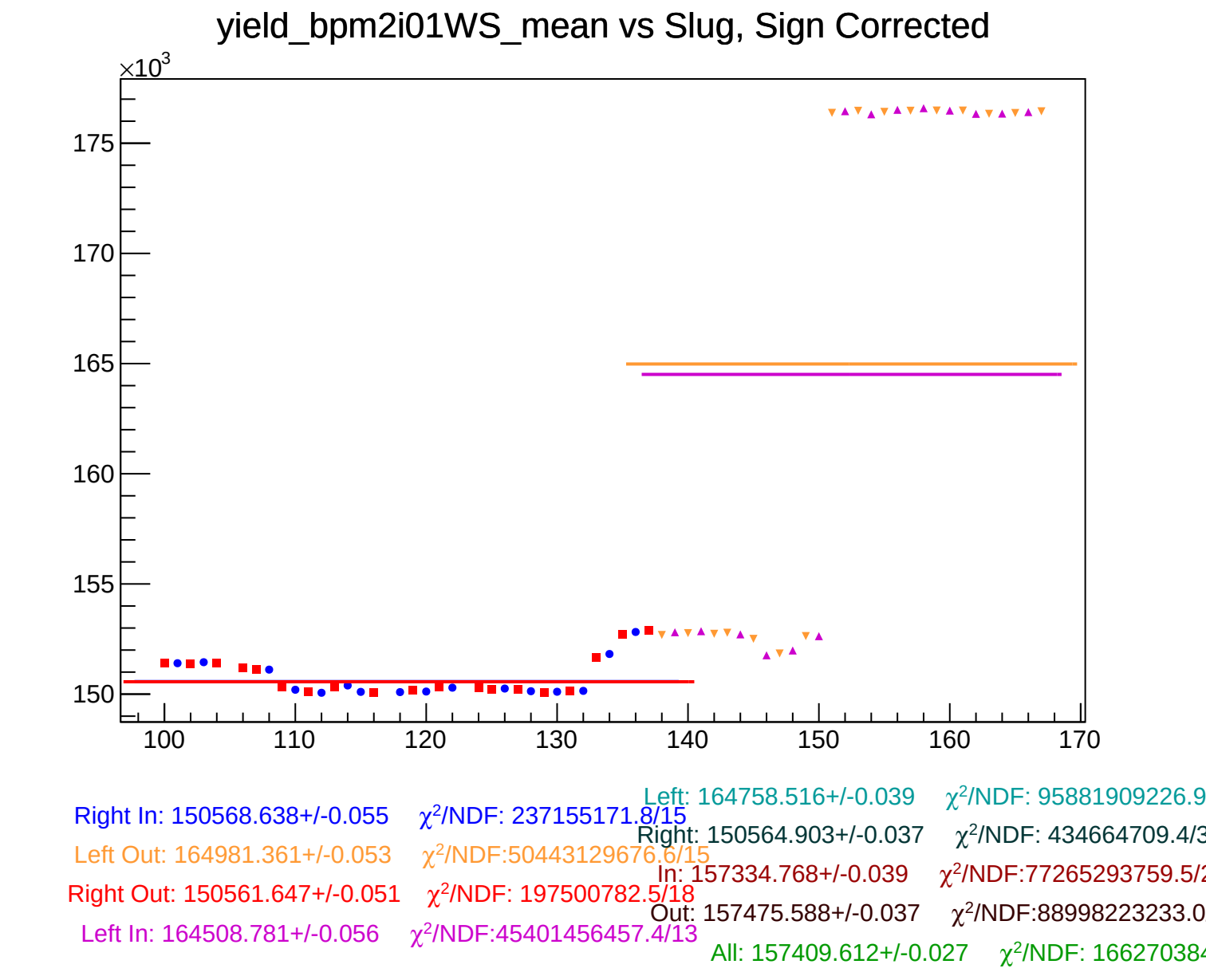
Left: 208.607+/-0.030 χ^2/NDF: 479871.0/29

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

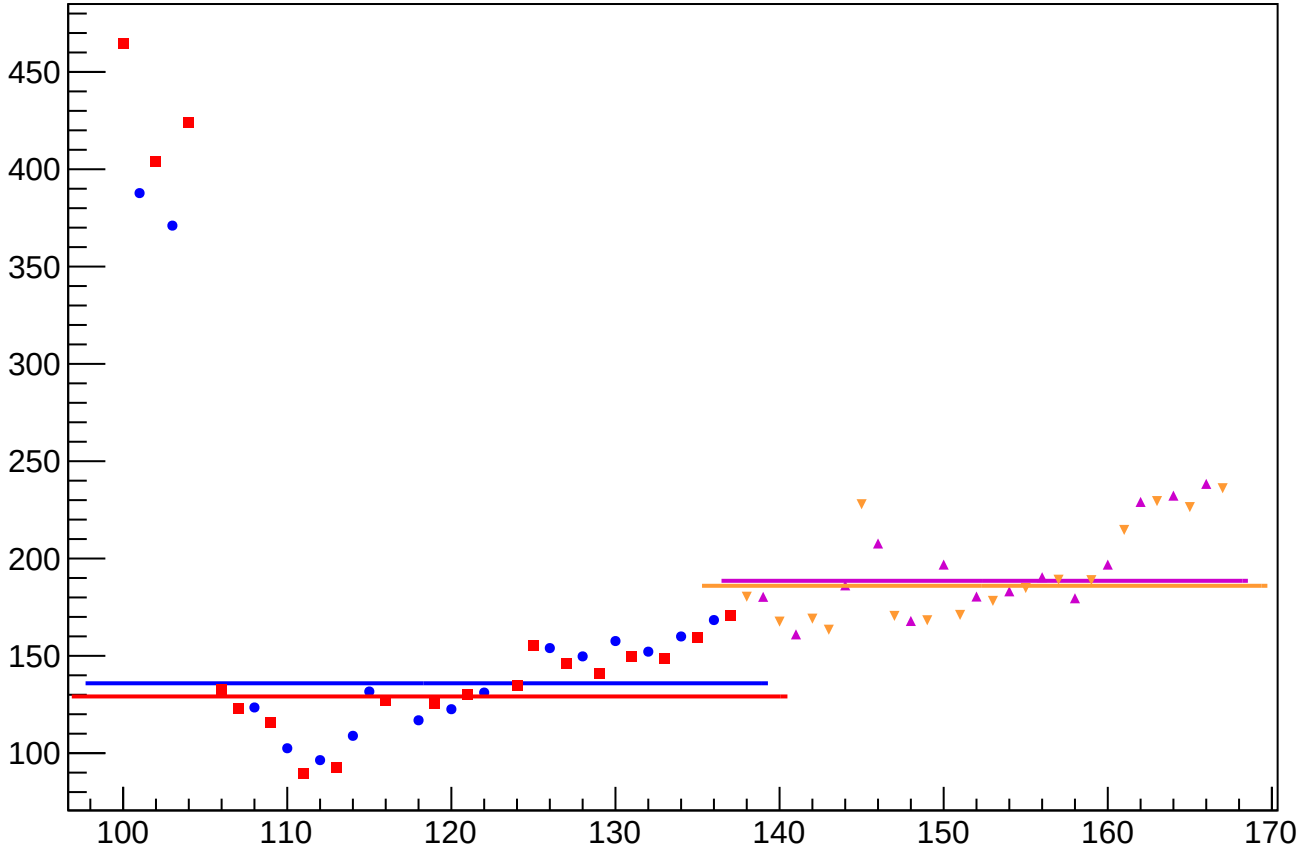
In: 183.151+/-0.031 χ^2/NDF:2231735.1/29

Out: 178.763+/-0.030 χ^2/NDF:2631594.2/34

All: 180.836+/-0.021 χ^2/NDF: 4873734.8/64


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
170
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 164981.361+/-0.053 χ²/NDF:50443129676.6/15
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 164508.781+/-0.056 χ²/NDF:45401456457.4/13
Left: 164758.516+/-0.039 χ²/NDF: 95881909226.9
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 157334.768+/-0.039 χ²/NDF:77265293759.5/2
Out: 157475.588+/-0.037 χ²/NDF:88998223233.0
All: 157409.612+/-0.027 χ²/NDF: 16627038

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 185.989+/-0.038 χ^2/NDF:364065.4/15

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 188.552+/-0.040 χ^2/NDF:252580.5/13

Left: 187.198+/-0.027 χ^2/NDF: 618842.5/29

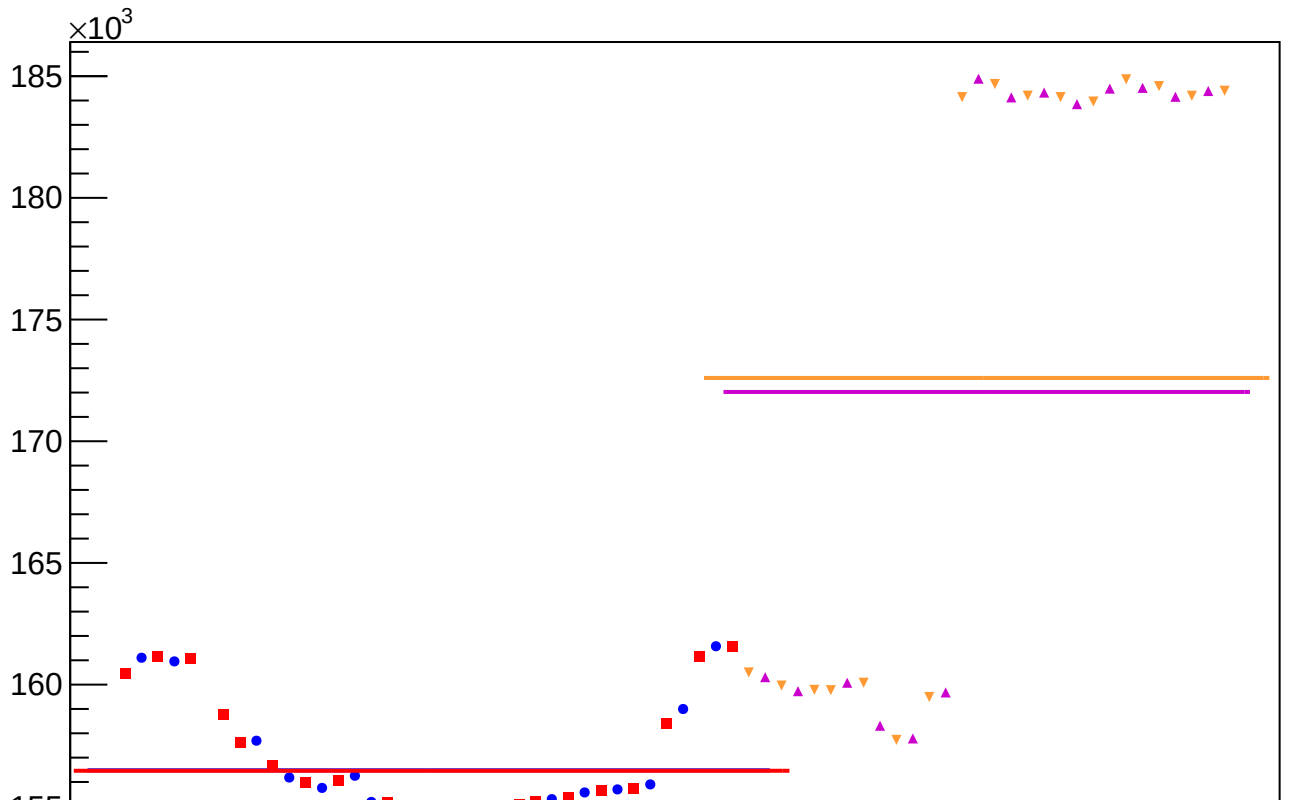
Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 161.454+/-0.028 χ^2/NDF:2571420.9/29

Out: 156.393+/-0.026 χ^2/NDF:3171148.4/34

All: 158.764+/-0.019 χ^2/NDF: 5760309.8/64

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 172600.778+/-0.055 χ^2/NDF:50836962896.3/15

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 172025.006+/-0.058 χ^2/NDF:46555759580.4/13

Left: 172328.573+/-0.040 χ^2/NDF: 97444638449.2

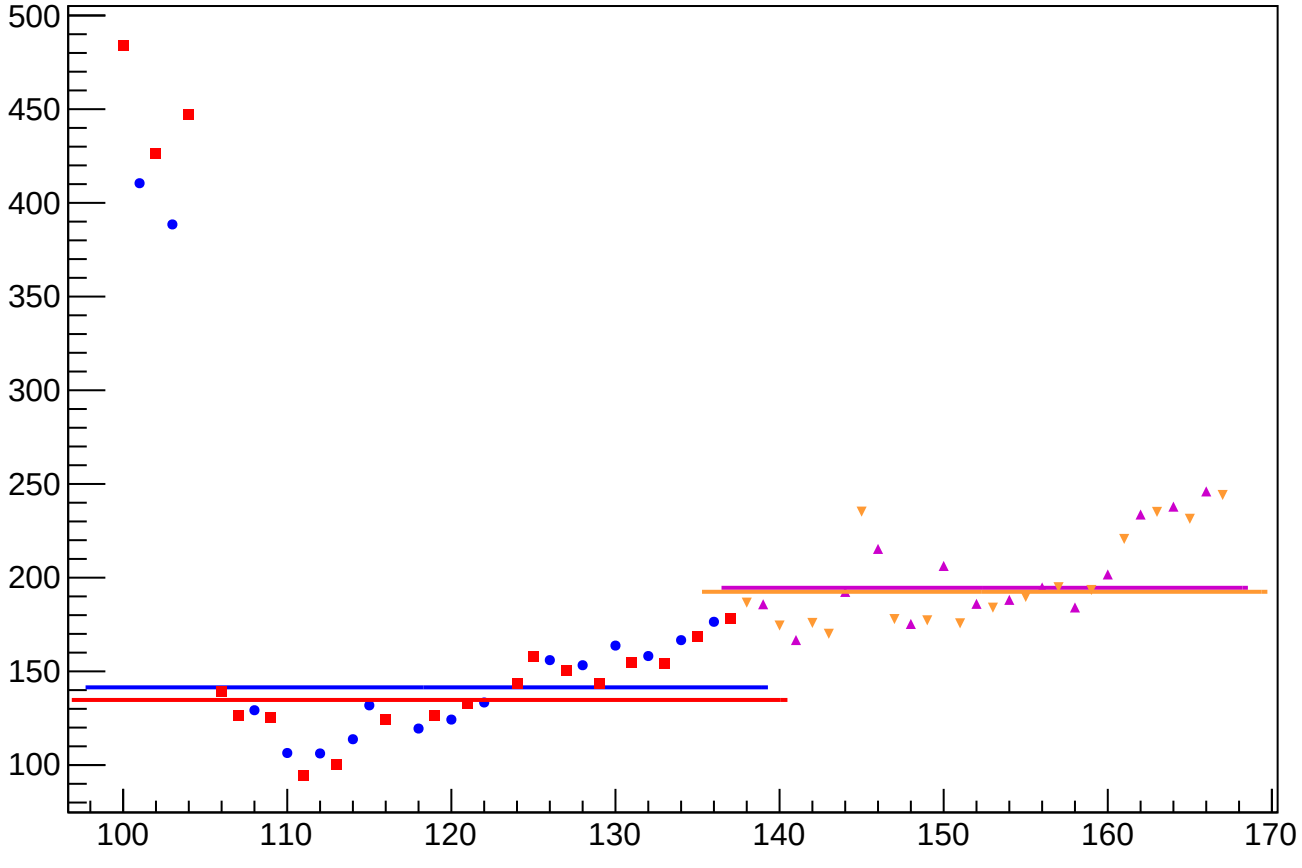
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 164087.978+/-0.041 χ^2/NDF:84496702694.0/2

Out: 164259.219+/-0.038 χ^2/NDF:96535013209.3

All: 164178.814+/-0.028 χ^2/NDF: 18104115

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 192.466+/-0.039 χ^2/NDF:338489.9/15

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 194.592+/-0.041 χ^2/NDF:242370.9/13

Left: 193.471+/-0.028 χ^2/NDF: 582275.8/29

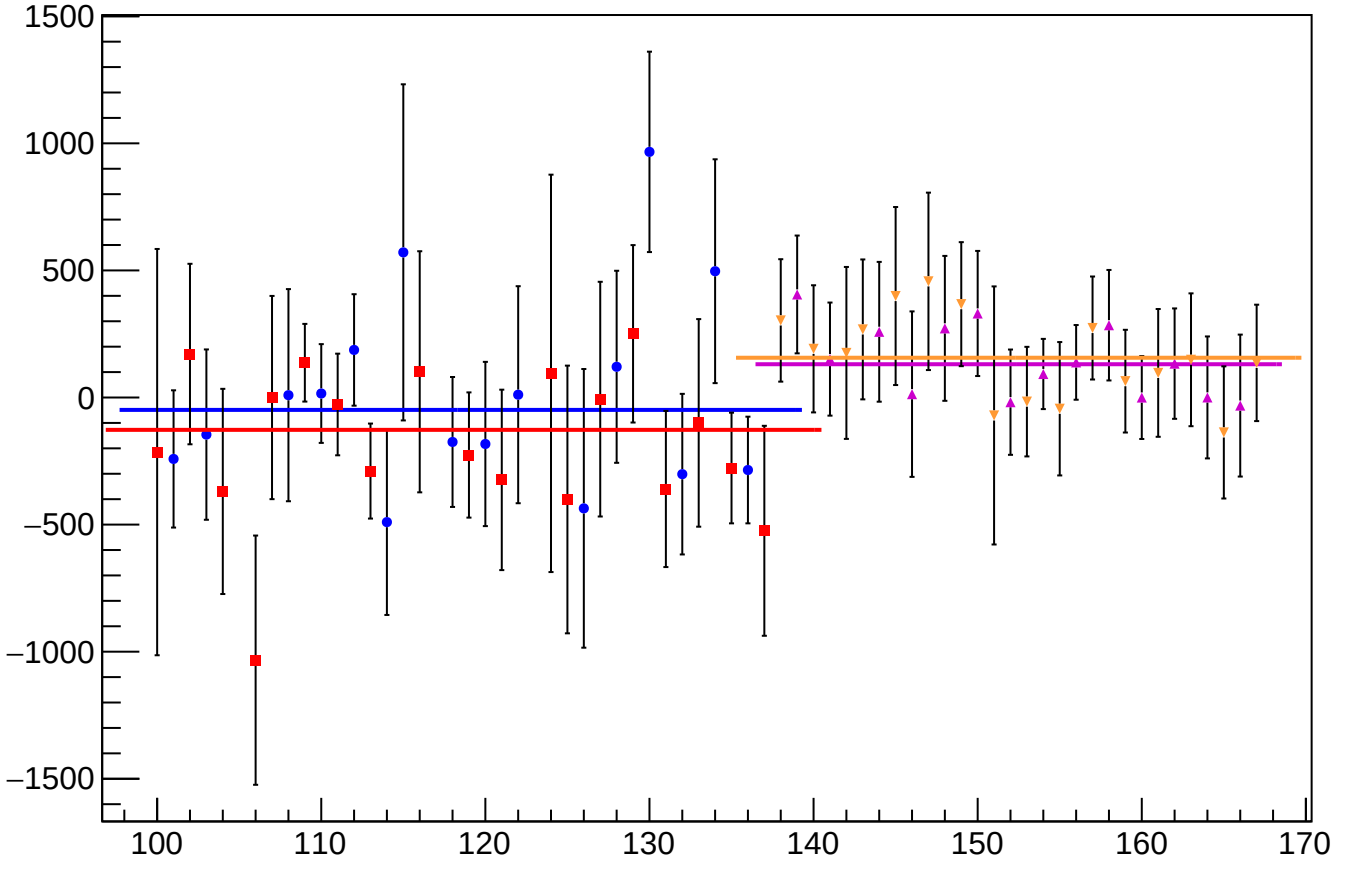
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 167.472+/-0.029 χ^2/NDF:2490139.1/29

Out: 162.635+/-0.027 χ^2/NDF:3058251.0/34

All: 164.906+/-0.020 χ^2/NDF: 5563449.2/64

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 156.470+/-64.355 χ^2/NDF:5.8/15

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 130.924+/-55.685 χ^2/NDF:5.0/13

Left: 141.861+/-42.109 χ^2/NDF: 11.0/29

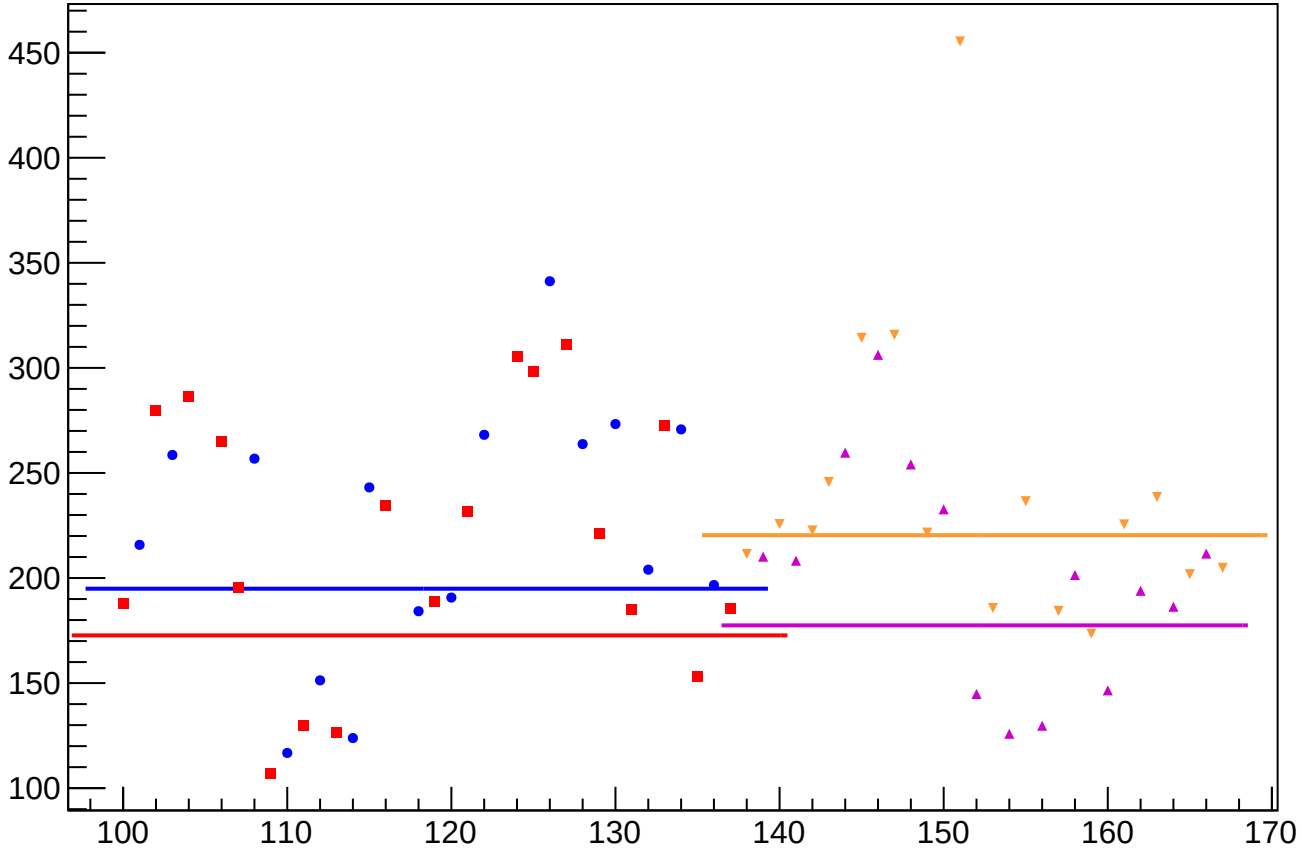
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 68.793+/-45.039 χ^2/NDF:24.1/29

Out: 23.468+/-46.905 χ^2/NDF:27.8/34

All: 47.050+/-32.487 χ^2/NDF: 52.4/64

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 220.401+/-0.046 χ^2/NDF:1002347.4/15

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 177.466+/-0.039 χ^2/NDF:1494976.9/13

Left: 195.848+/-0.030 χ^2/NDF: 3006391.5/29

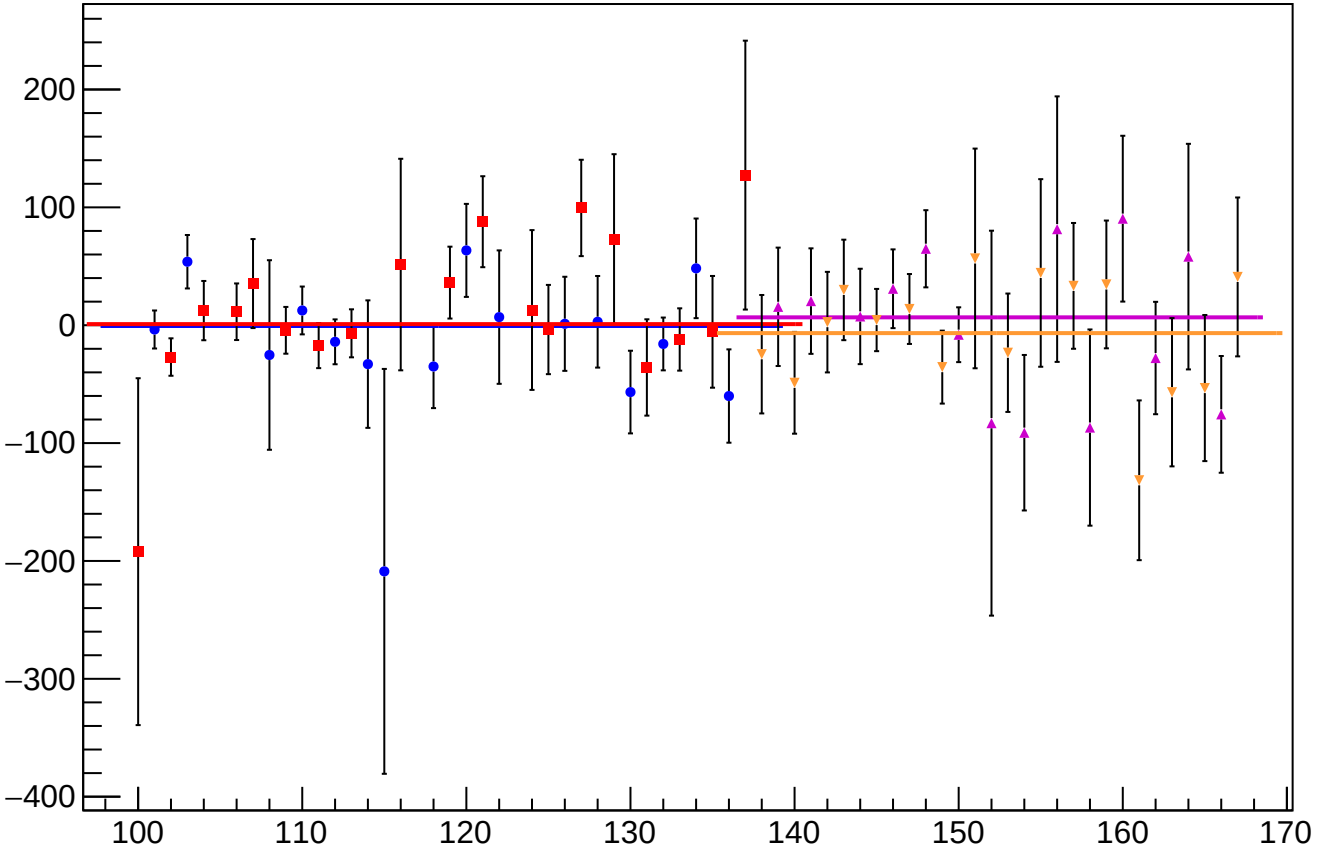
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.502+/-0.032 χ^2/NDF:2591847.8/29

Out: 198.041+/-0.033 χ^2/NDF:3148714.4/34

All: 190.477+/-0.023 χ^2/NDF: 5840539.5/64

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -6.691+/-11.209 χ^2/NDF:10.6/15

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 6.681+/-12.096 χ^2/NDF:13.4/13

Left: -0.513+/-8.222 χ^2/NDF: 24.7/29

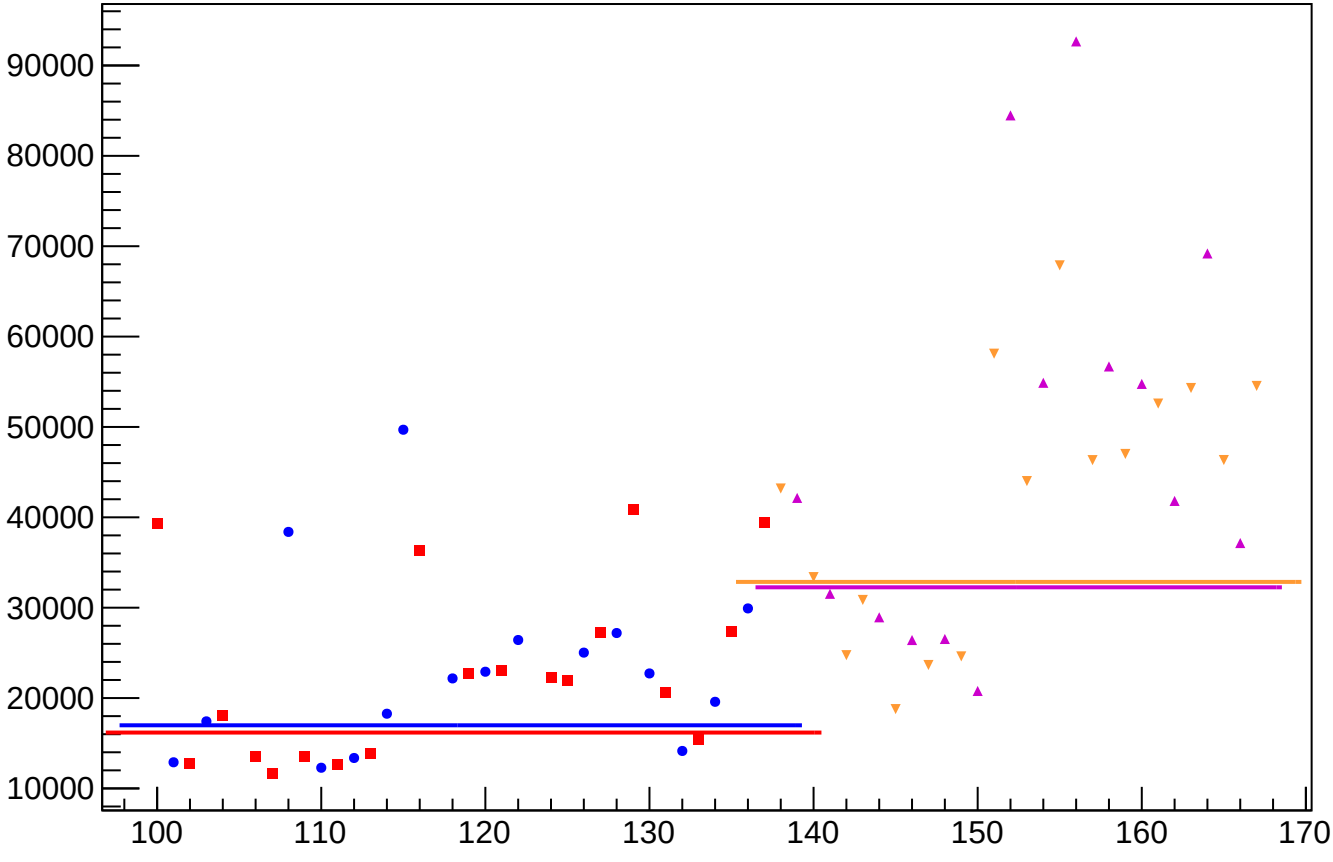
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 1.342+/-6.275 χ^2/NDF:32.6/29

Out: -1.100+/-5.793 χ^2/NDF:34.0/34

All: 0.024+/-4.257 χ^2/NDF: 66.7/64

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 32853.124+/-7.926 χ^2/NDF:2664881.2/15

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 32254.329+/-8.553 χ^2/NDF:2490574.7/13

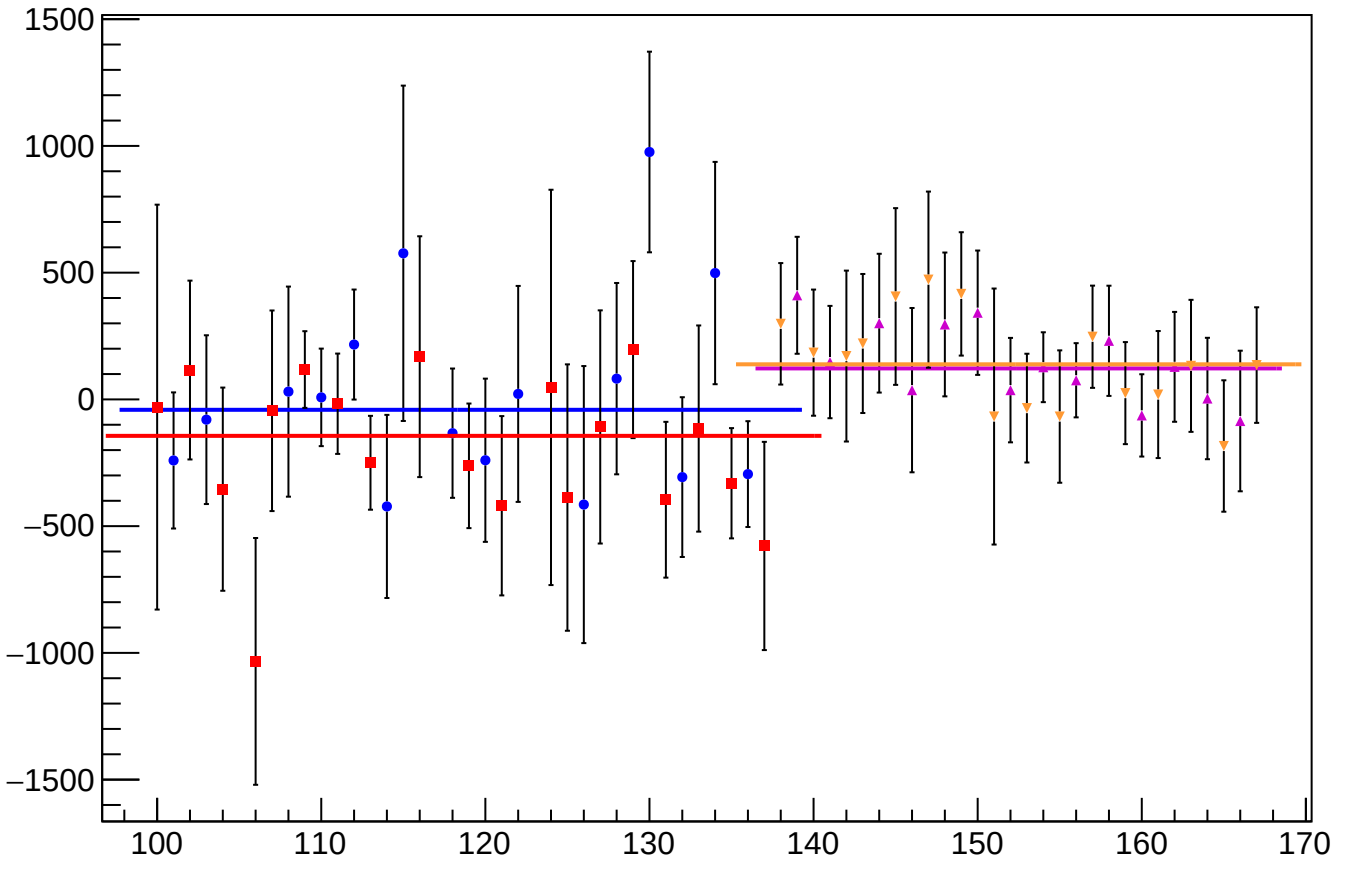
Left: 32576.470+/-5.814 χ^2/NDF: 5158092.7/29

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 21095.595+/-4.437 χ^2/NDF:6013519.6/29

Out: 20634.743+/-4.096 χ^2/NDF:7158549.0/34

All: 20846.792+/-3.010 χ^2/NDF: 13177892.2



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 138.447+/-64.092 χ^2/NDF:7.2/15

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 122.205+/-55.490 χ^2/NDF:5.9/13

Left: 129.164+/-41.951 χ^2/NDF: 13.1/29

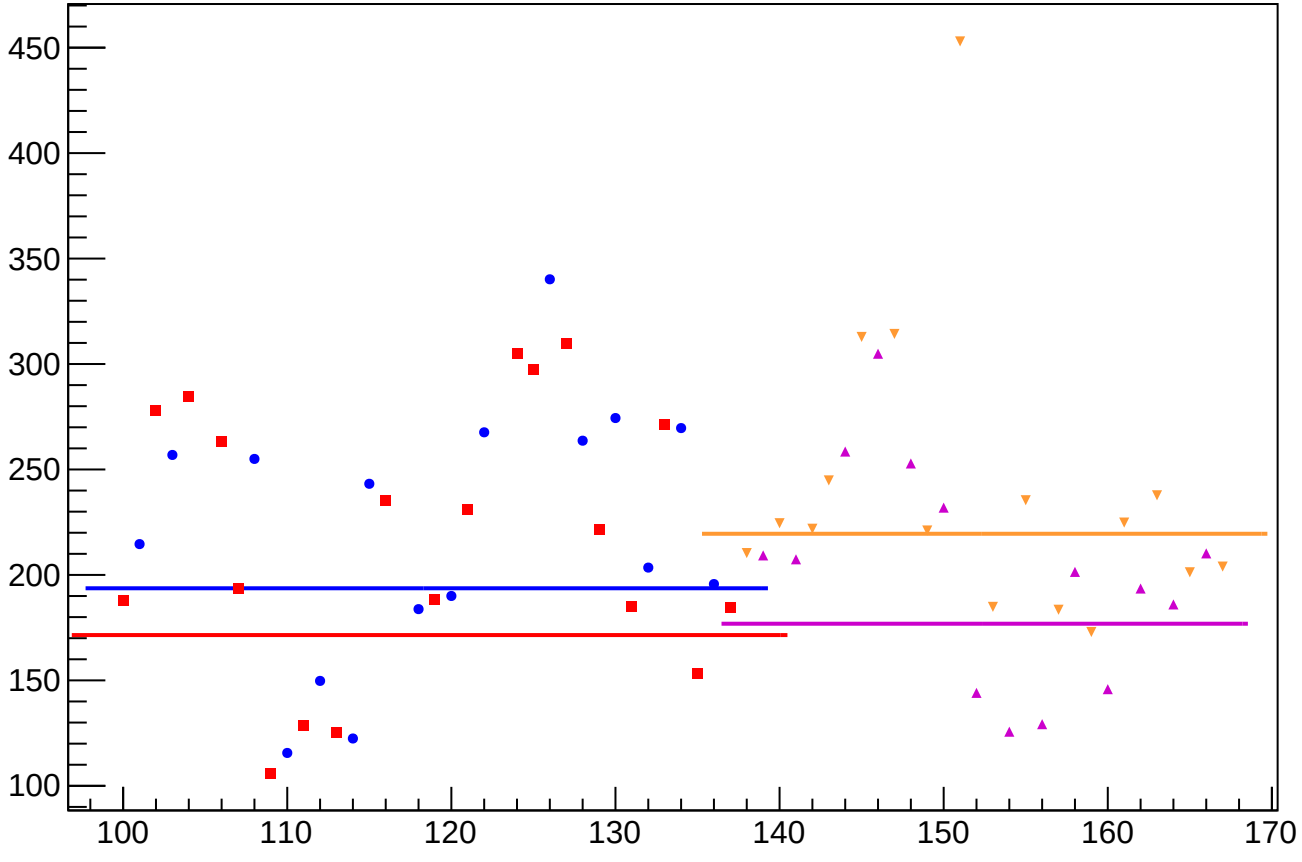
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 65.591+/-44.848 χ^2/NDF:24.4/29

Out: 5.823+/-46.666 χ^2/NDF:29.3/34

All: 36.894+/-32.336 χ^2/NDF: 54.5/64

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 219.516+/-0.045 χ^2/NDF:1000888.6/15

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 176.864+/-0.039 χ^2/NDF:1492110.6/13

Left: 195.137+/-0.030 χ^2/NDF: 2999260.4/29

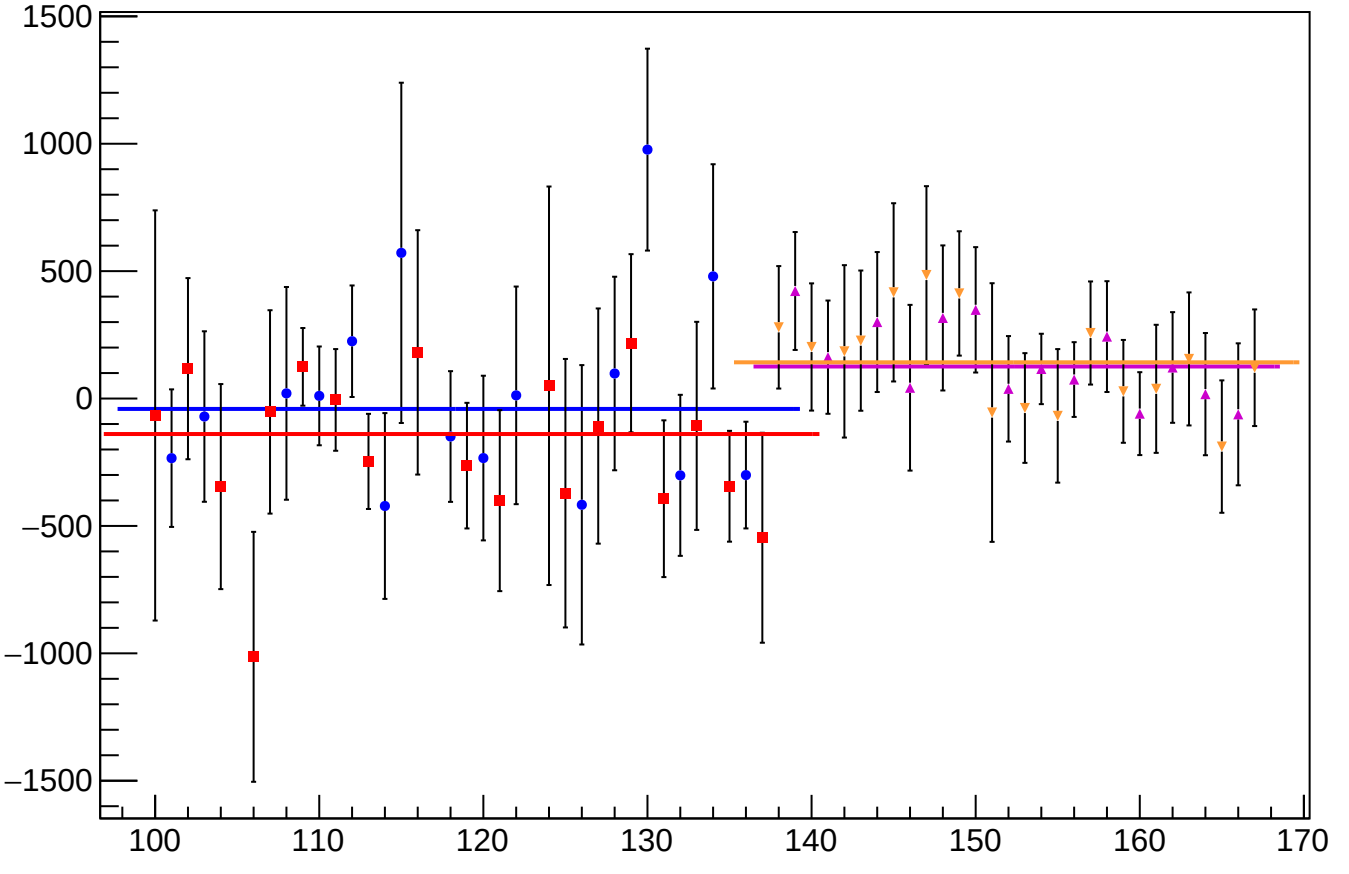
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 182.692+/-0.032 χ^2/NDF:2605508.9/29

Out: 196.948+/-0.033 χ^2/NDF:3181653.6/34

All: 189.537+/-0.023 χ^2/NDF: 5884192.0/64

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 142.168+/-64.297 χ^2/NDF:7.2/15

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 125.752+/-55.632 χ^2/NDF:6.0/13

Left: 132.780+/-42.070 χ^2/NDF: 13.2/29

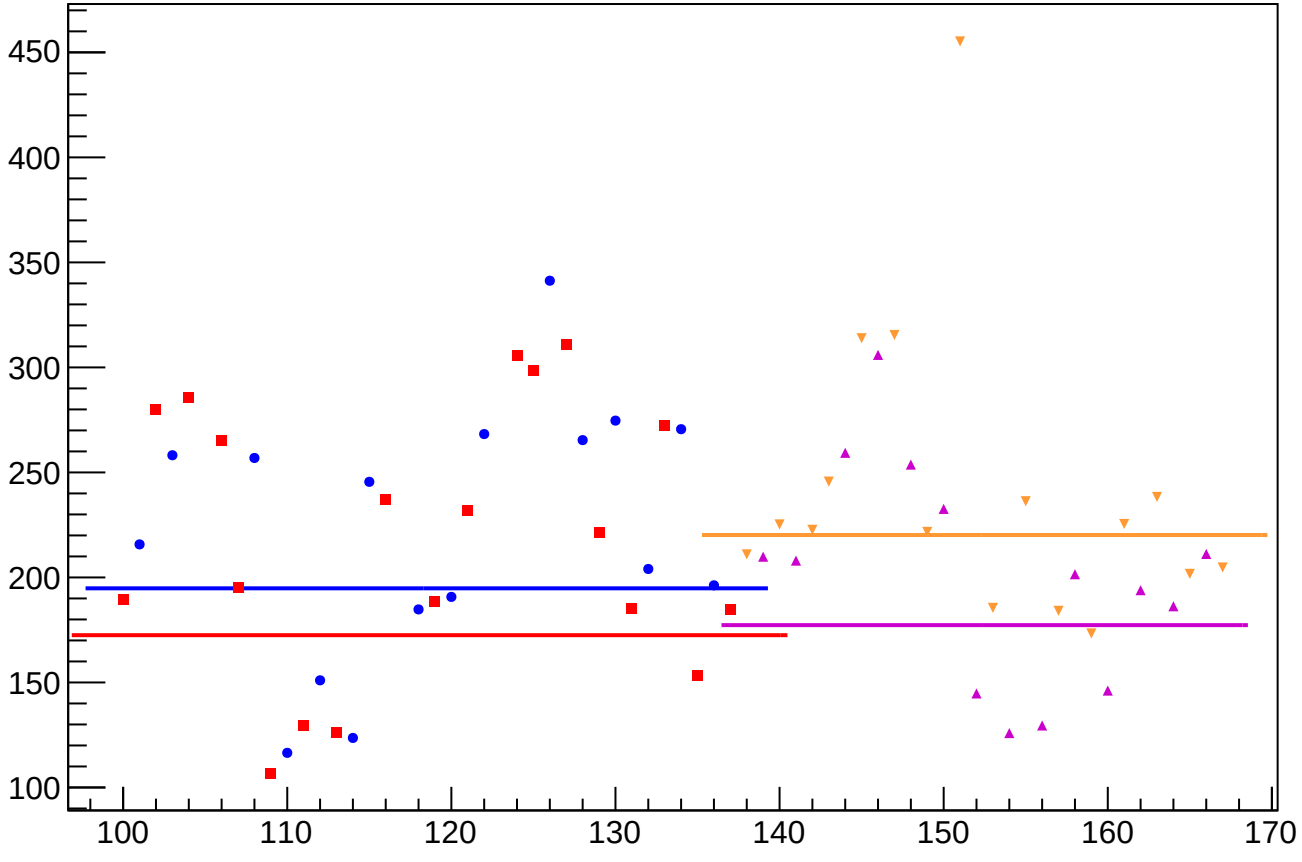
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 68.218+/-45.009 χ^2/NDF:24.4/29

Out: 10.255+/-46.867 χ^2/NDF:29.1/34

All: 40.408+/-32.463 χ^2/NDF: 54.3/64

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 220.198+/-0.045 χ^2/NDF:1003129.8/15

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 177.295+/-0.039 χ^2/NDF:1495381.3/13

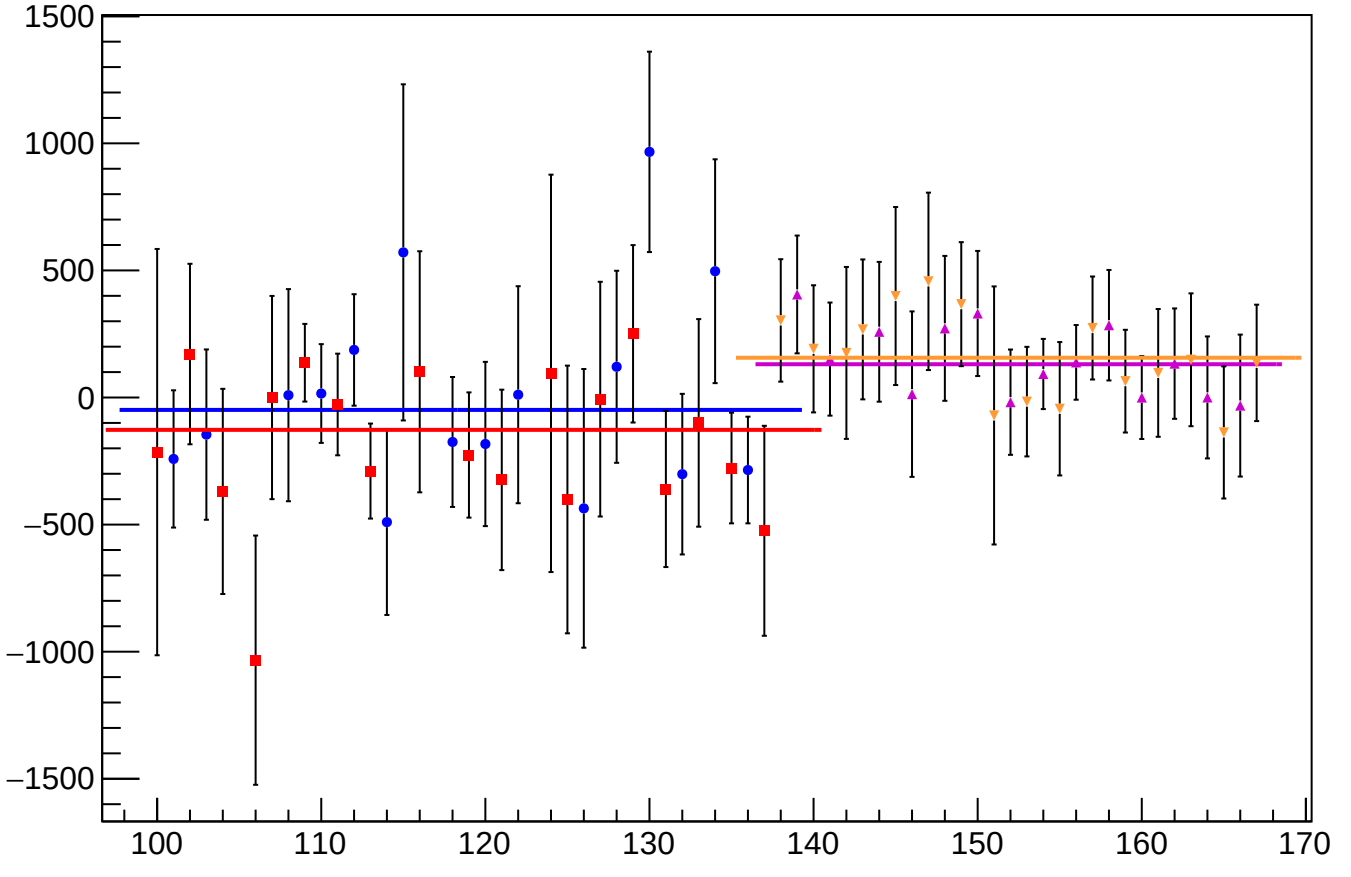
Left: 195.663+/-0.030 χ^2/NDF: 3007765.6/29

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 183.349+/-0.032 χ^2/NDF:2603035.6/29

Out: 197.846+/-0.033 χ^2/NDF:3160899.3/34

All: 190.304+/-0.023 χ^2/NDF: 5863494.2/64



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 156.470+/-64.355 χ^2/NDF:5.8/15

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 130.924+/-55.685 χ^2/NDF:5.0/13

Left: 141.861+/-42.109 χ^2/NDF: 11.0/29

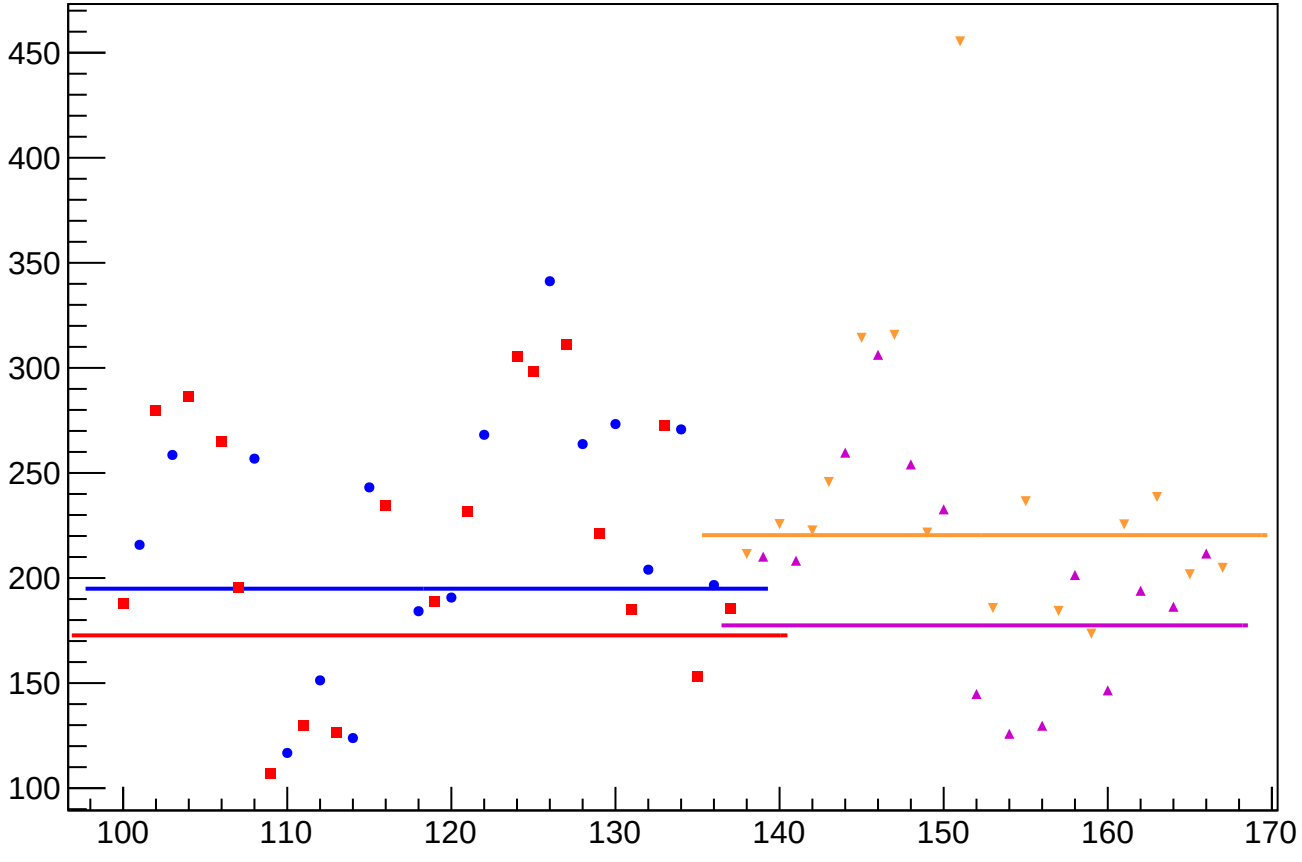
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 68.793+/-45.039 χ^2/NDF:24.1/29

Out: 23.468+/-46.905 χ^2/NDF:27.8/34

All: 47.050+/-32.487 χ^2/NDF: 52.4/64

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 220.401+/-0.046 χ^2/NDF:1002347.4/15

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 177.466+/-0.039 χ^2/NDF:1494976.9/13

Left: 195.848+/-0.030 χ^2/NDF: 3006391.5/29

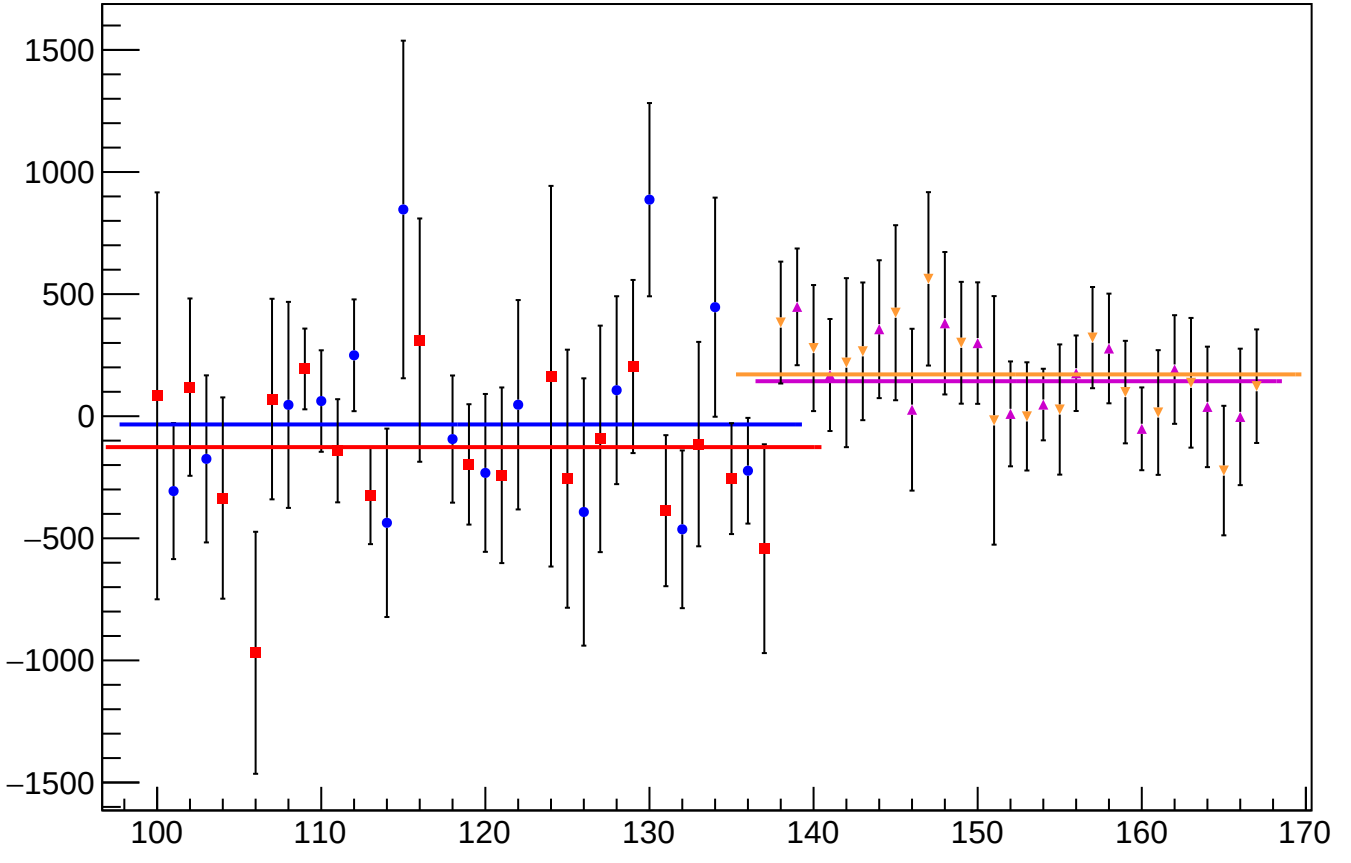
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.502+/-0.032 χ^2/NDF:2591847.8/29

Out: 198.041+/-0.033 χ^2/NDF:3148714.4/34

All: 190.477+/-0.023 χ^2/NDF: 5840539.5/64

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 171.253+/-65.897 χ^2/NDF:7.3/15

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 143.310+/-57.718 χ^2/NDF:6.4/13

Left: 155.441+/-43.418 χ^2/NDF: 13.9/29

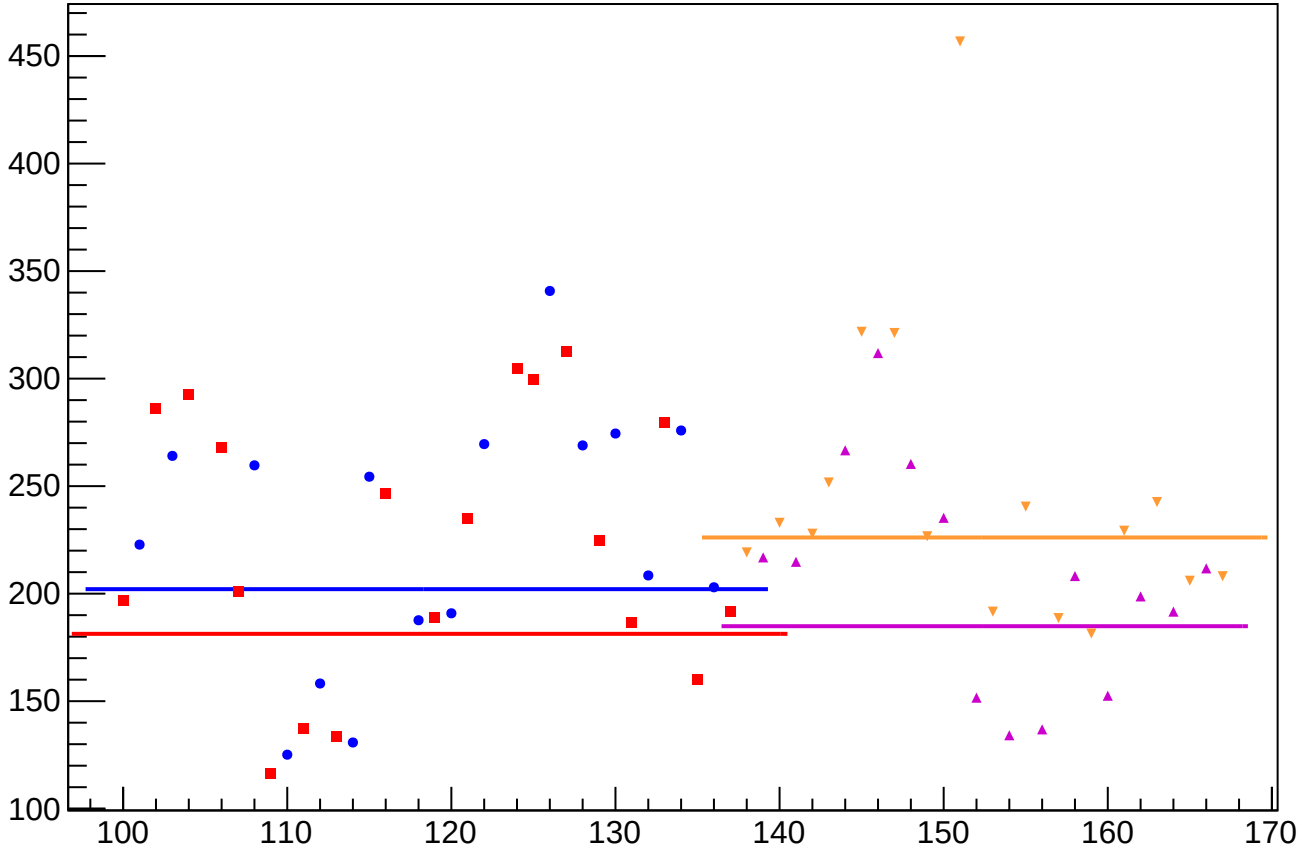
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 81.692+/-46.604 χ^2/NDF:25.4/29

Out: 34.074+/-48.397 χ^2/NDF:29.4/34

All: 58.781+/-33.570 χ^2/NDF: 55.4/64

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 226.128+/-0.047 χ^2/NDF:957984.5/15

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 184.866+/-0.041 χ^2/NDF:1349534.5/13

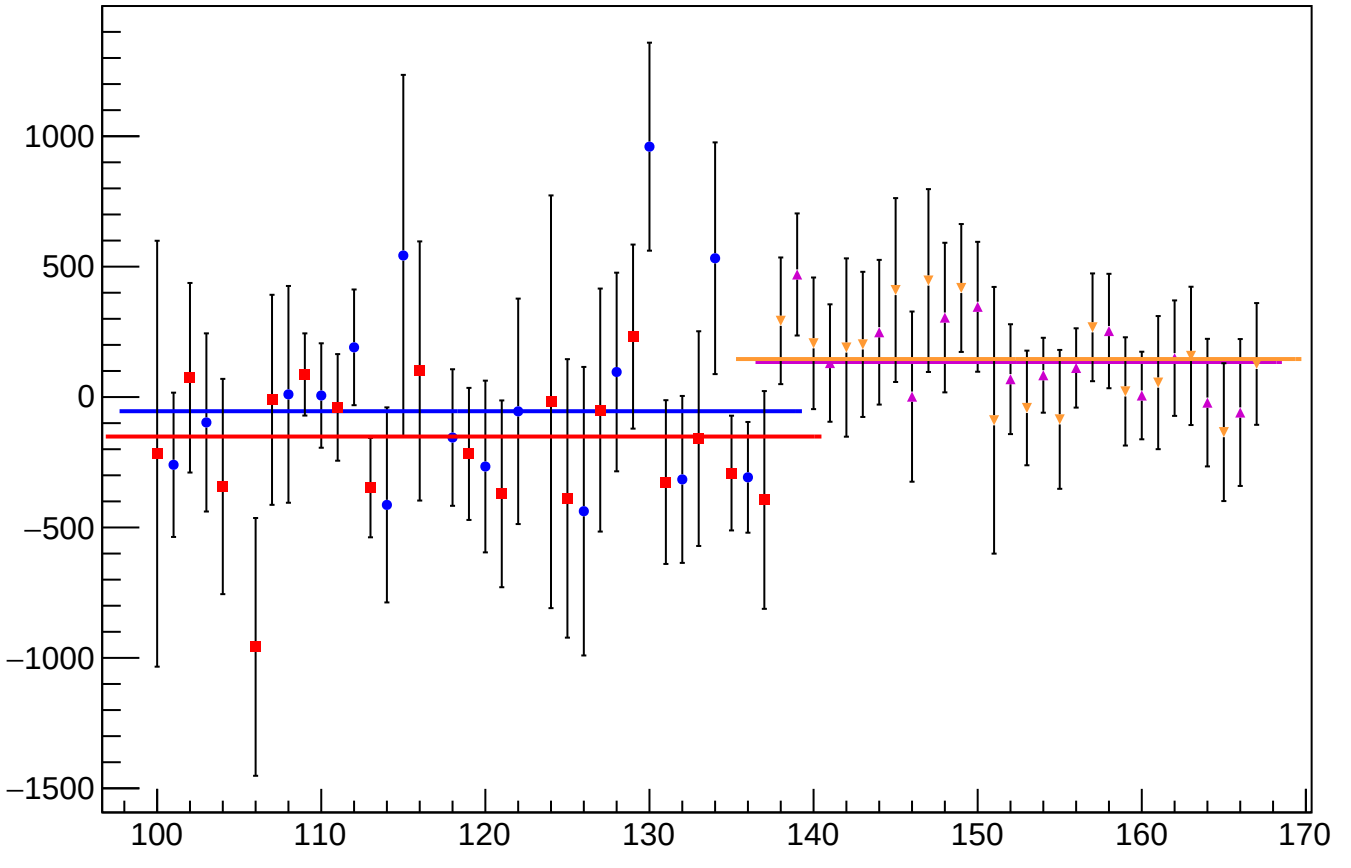
Left: 202.779+/-0.031 χ^2/NDF: 2751244.8/29

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.861+/-0.033 χ^2/NDF:2321781.3/29

Out: 205.485+/-0.034 χ^2/NDF:2825059.8/34

All: 197.897+/-0.024 χ^2/NDF: 5241595.0/64



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 145.748+/-65.300 χ^2/NDF:6.7/15

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 134.426+/-56.890 χ^2/NDF:5.5/13

Left: 139.311+/-42.894 χ^2/NDF: 12.2/29

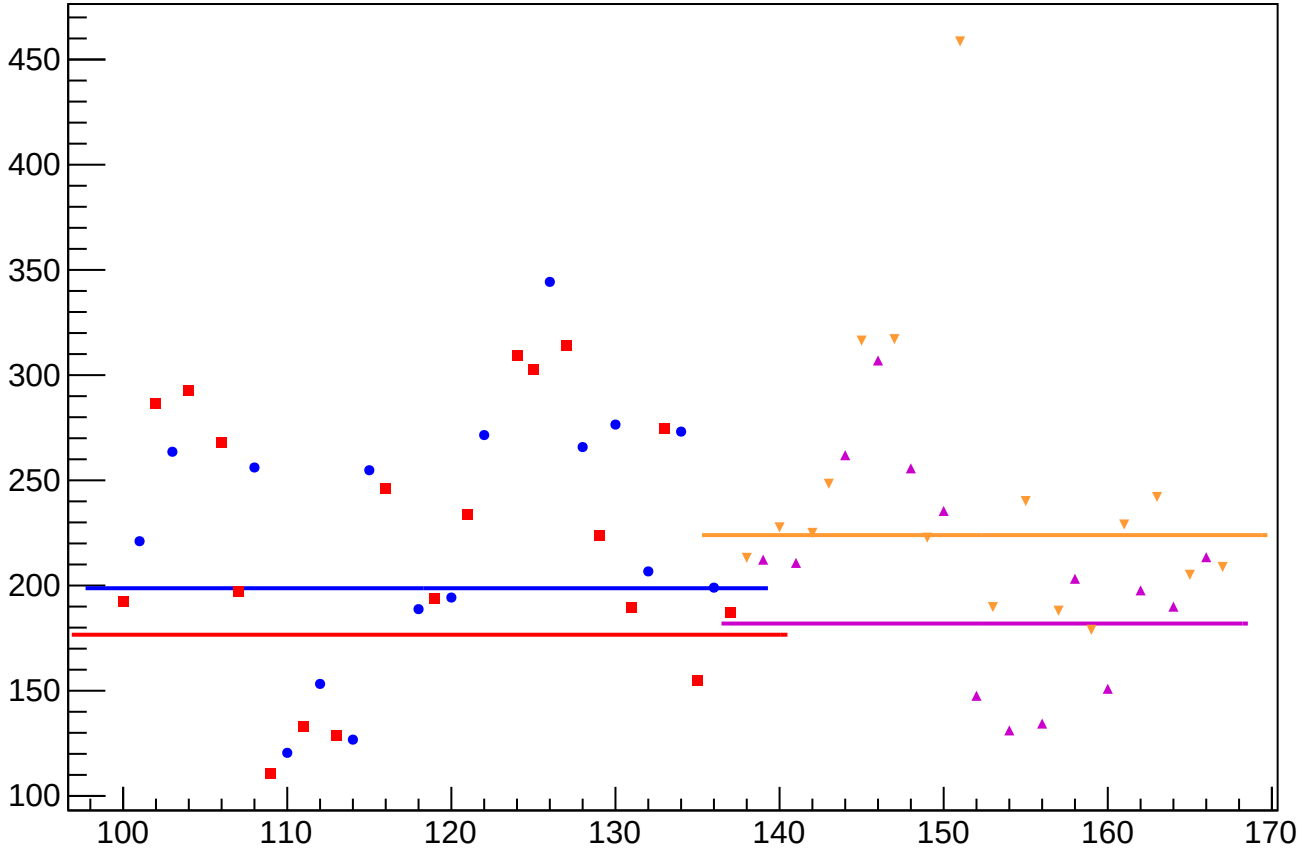
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 68.849+/-45.952 χ^2/NDF:24.4/29

Out: 7.295+/-47.718 χ^2/NDF:26.6/34

All: 39.232+/-33.100 χ^2/NDF: 51.8/64

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 223.960+/-0.046 χ^2/NDF:958888.3/15

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 181.936+/-0.040 χ^2/NDF:1374551.5/13

Left: 200.069+/-0.030 χ^2/NDF: 2804330.5/29

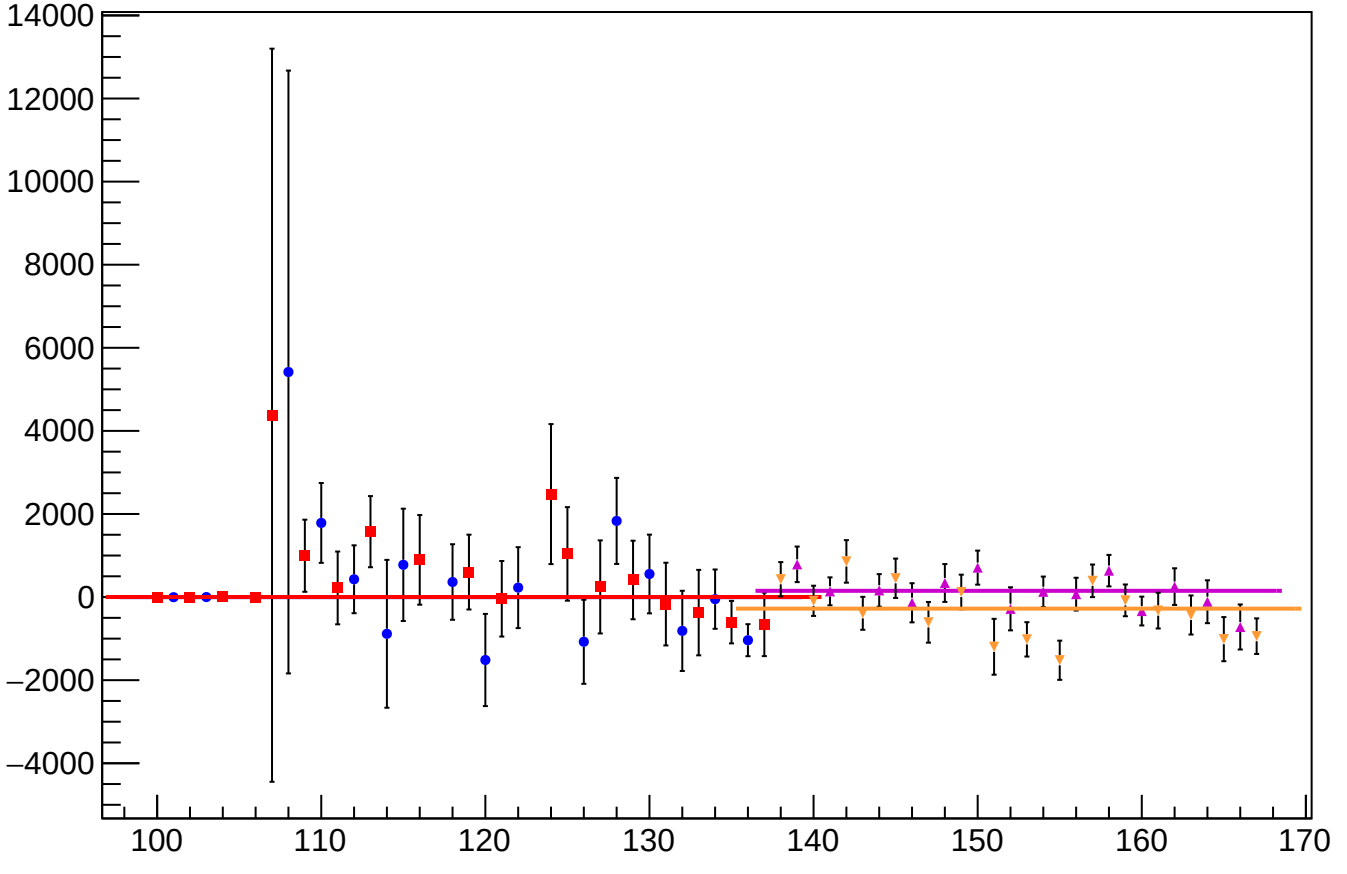
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.769+/-0.032 χ^2/NDF:2429110.1/29

Out: 201.900+/-0.034 χ^2/NDF:3044395.5/34

All: 194.568+/-0.023 χ^2/NDF: 5564505.5/64

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -278.155+/-109.855 χ^2/NDF:31.6/15

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 150.477+/-110.908 χ^2/NDF:11.9/13

Left: -65.883+/-78.049 χ^2/NDF: 51.0/29

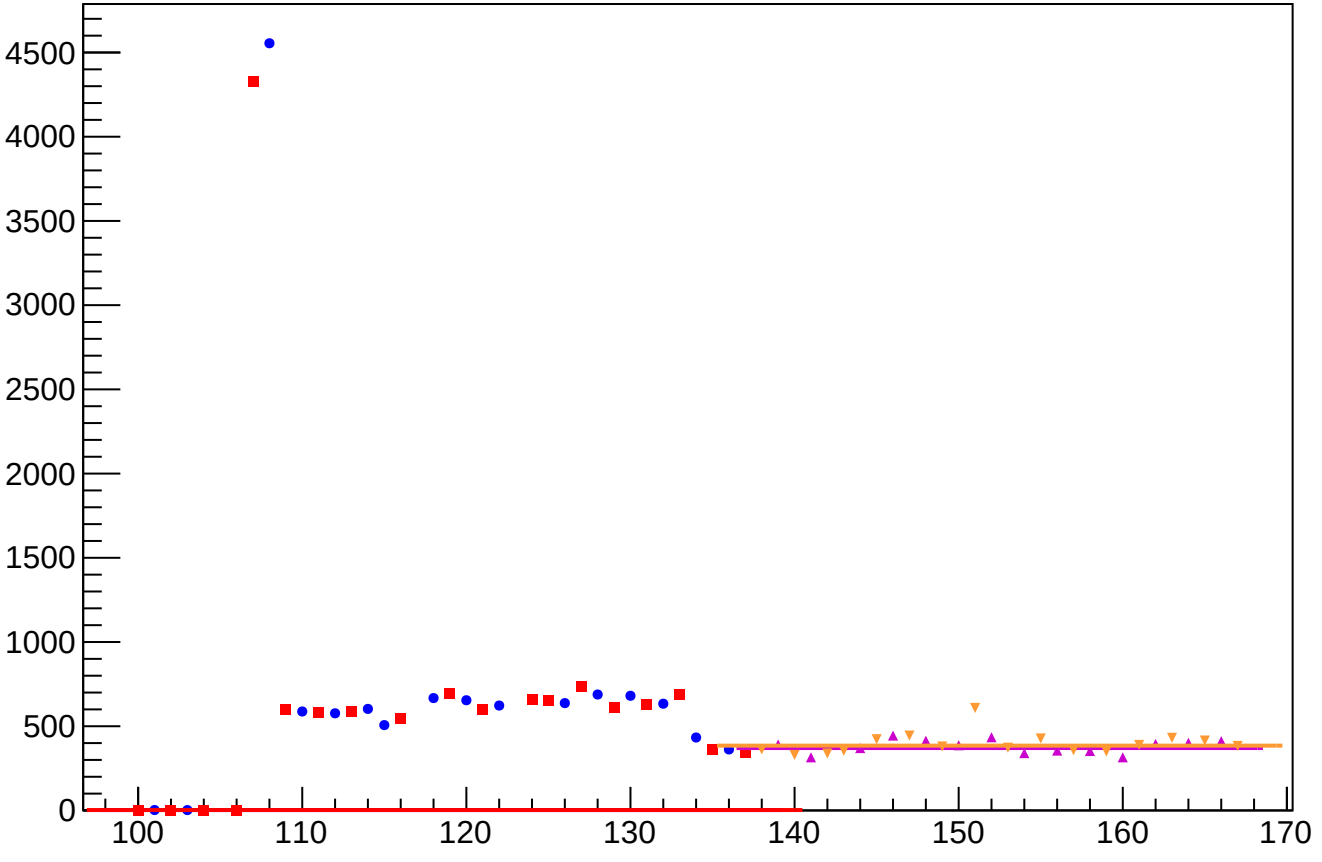
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.181+/-2.170 χ^2/NDF:33.7/29

Out: 1.283+/-2.022 χ^2/NDF:54.9/34

All: 0.138+/-1.479 χ^2/NDF: 89.3/64

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 384.853+/-0.078 χ^2/NDF:415172.6/15

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 370.483+/-0.078 χ^2/NDF:256299.1/13

Left: 377.737+/-0.055 χ^2/NDF: 688420.7/29

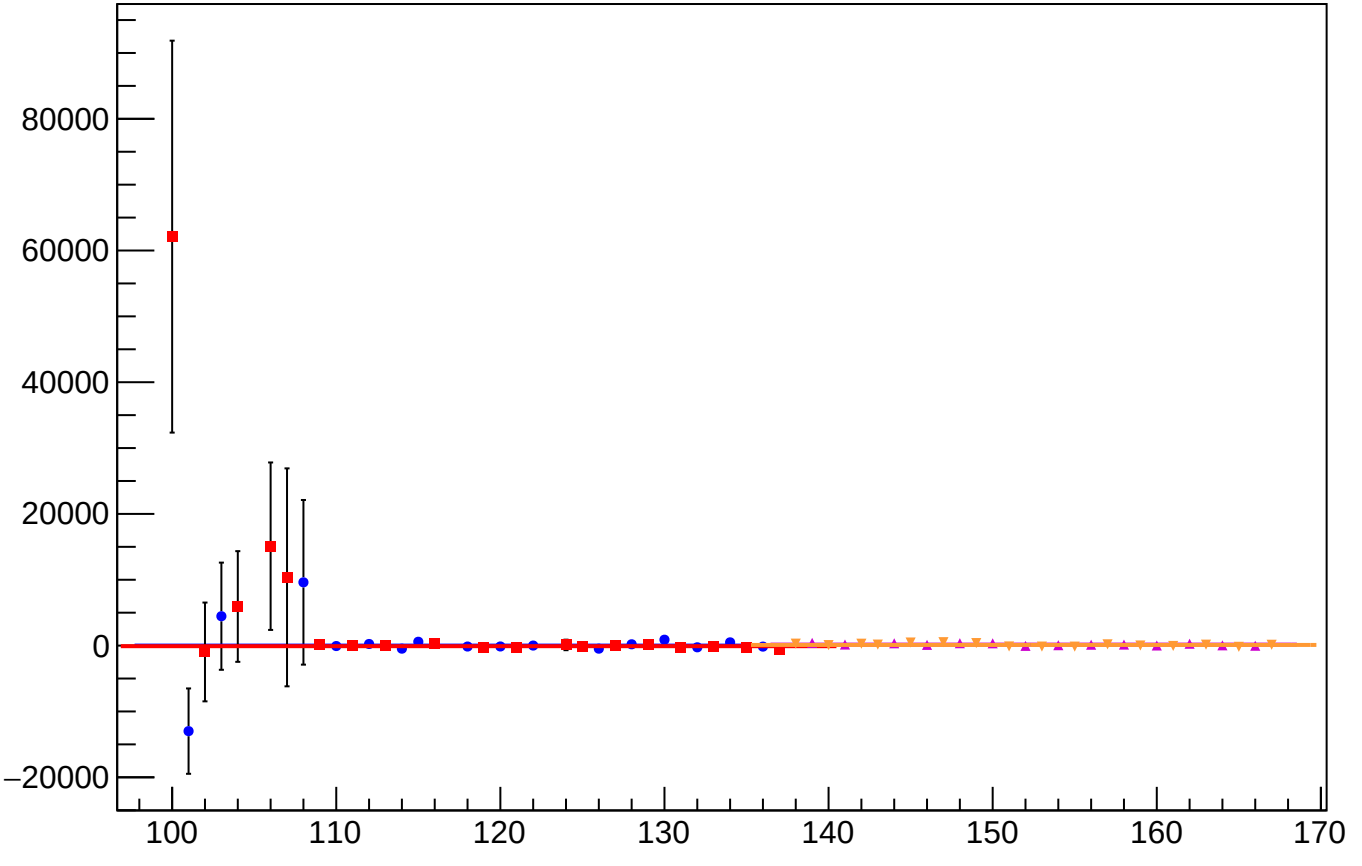
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.618+/-0.002 χ^2/NDF:33893744.7/29

Out: 2.592+/-0.001 χ^2/NDF:36185118.6/34

All: 2.604+/-0.001 χ^2/NDF: 70079015.9/64

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 101.660+/-67.974 χ^2/NDF:8.3/15

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 151.391+/-60.540 χ^2/NDF:5.2/13

Left: 129.393+/-45.209 χ^2/NDF: 13.8/29

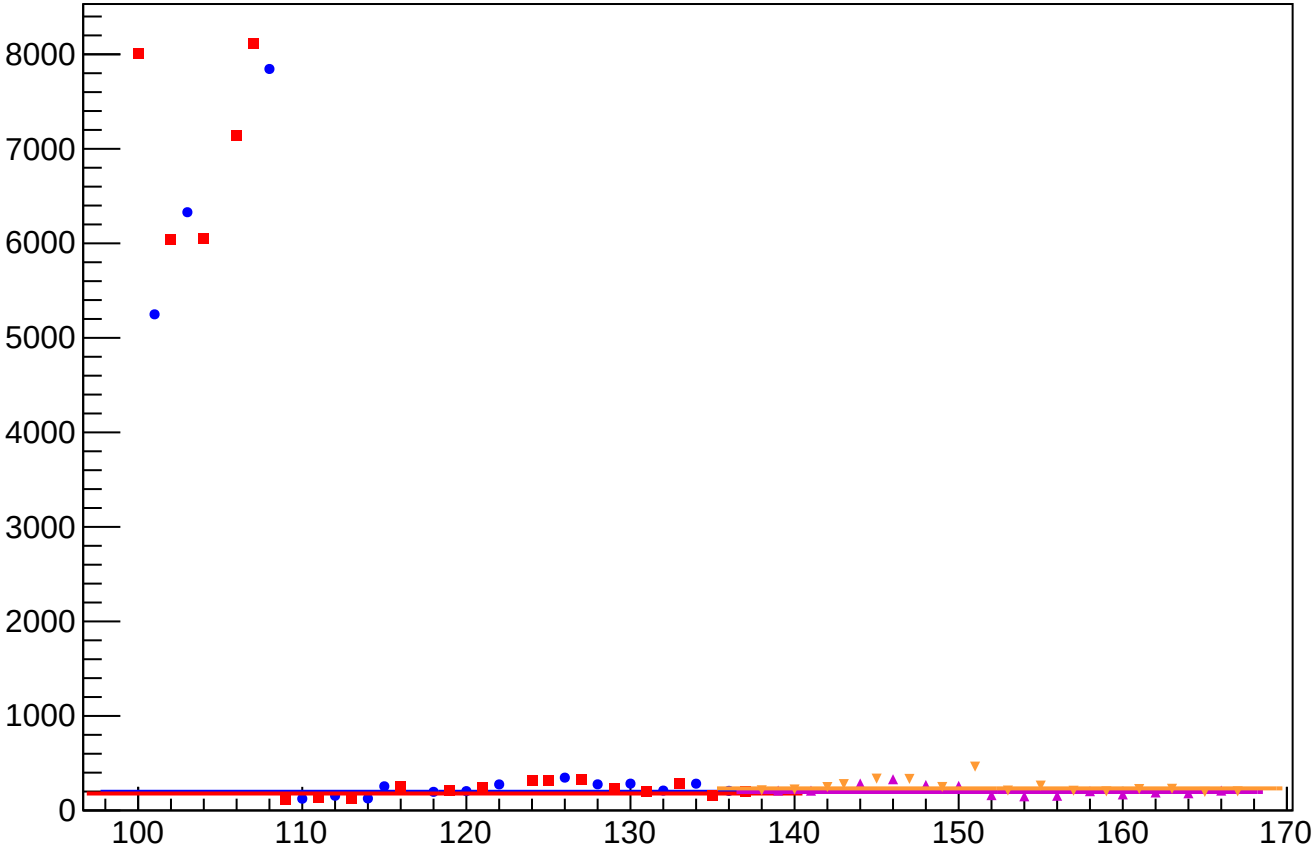
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 102.810+/-49.845 χ^2/NDF:24.1/29

Out: 23.935+/-52.228 χ^2/NDF:26.3/34

All: 65.213+/-36.059 χ^2/NDF: 51.6/64

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 233.544+/-0.048 χ^2/NDF:956922.6/15

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 195.365+/-0.043 χ^2/NDF:1076469.2/13

Left: 212.253+/-0.032 χ^2/NDF: 2385240.8/29

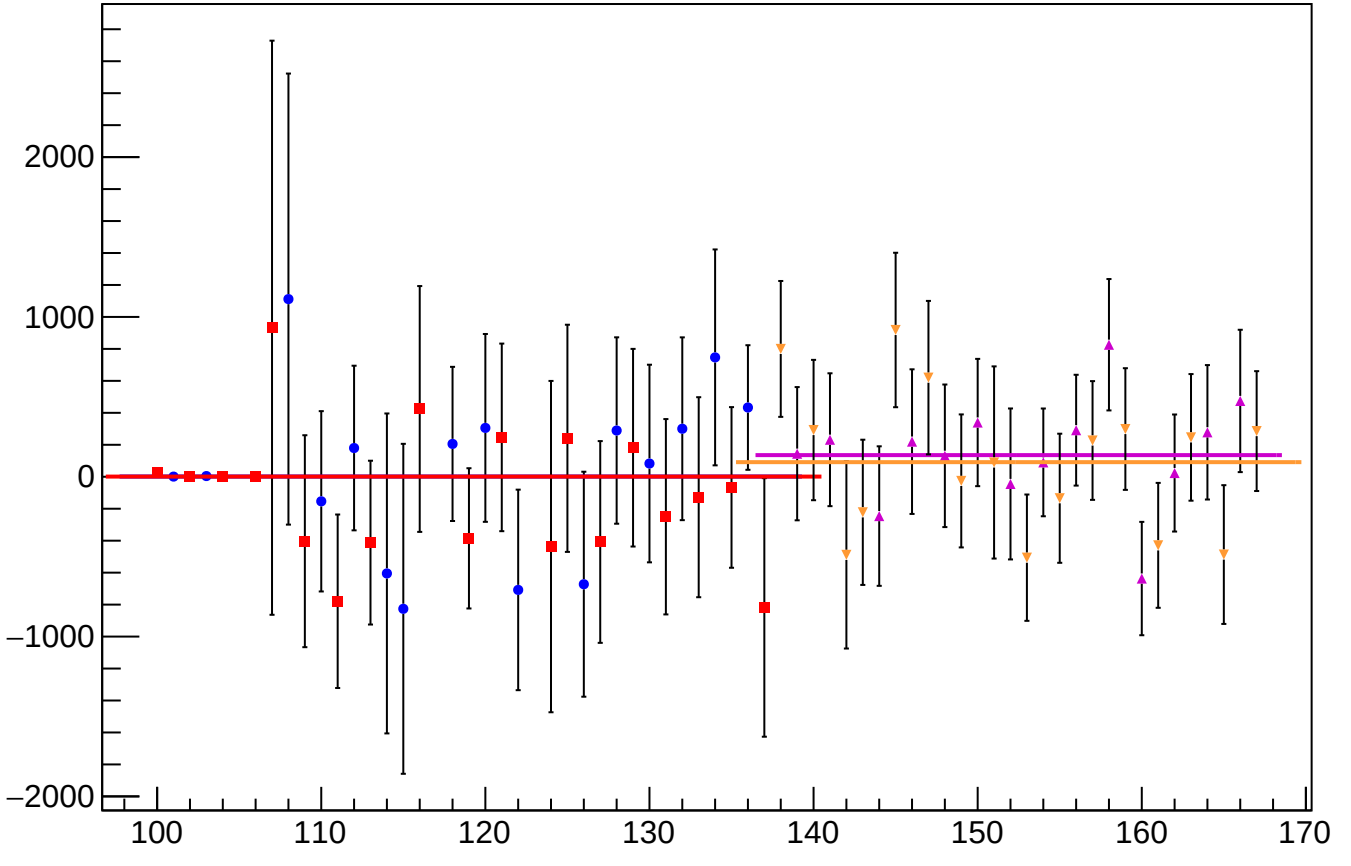
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 196.091+/-0.035 χ^2/NDF:5034555.5/29

Out: 211.304+/-0.037 χ^2/NDF:5898021.9/34

All: 203.342+/-0.025 χ^2/NDF: 11021377.4/64

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 91.351+/-106.806 χ^2/NDF:15.7/15

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 135.398+/-107.438 χ^2/NDF:9.8/13

Left: 113.244+/-75.746 χ^2/NDF: 25.6/29

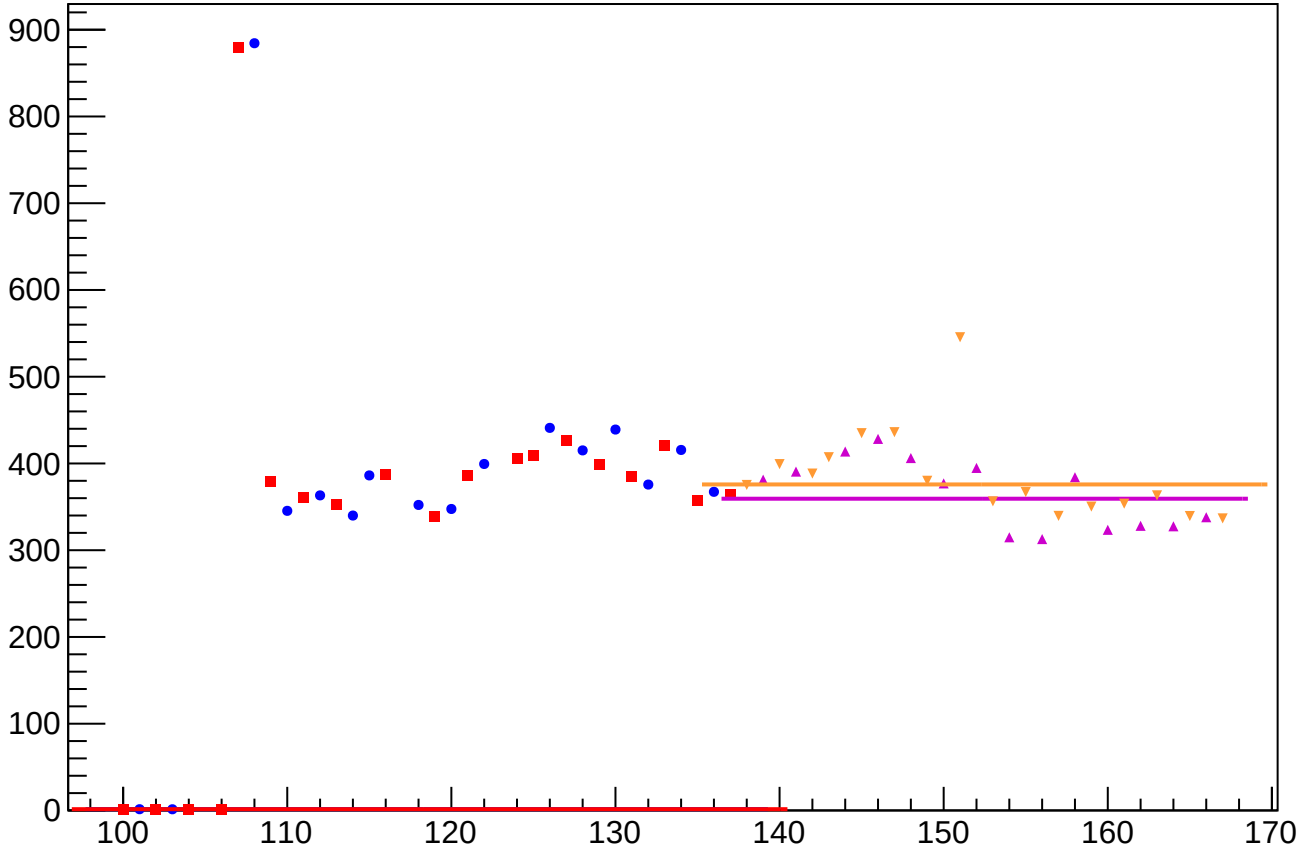
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.488+/-1.660 χ^2/NDF:19.3/29

Out: 1.112+/-1.528 χ^2/NDF:25.5/34

All: 1.284+/-1.124 χ^2/NDF: 44.8/64

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 375.826+/-0.076 χ^2/NDF:315227.0/15

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 359.361+/-0.076 χ^2/NDF:260808.6/13

Left: 367.642+/-0.054 χ^2/NDF: 599659.5/29

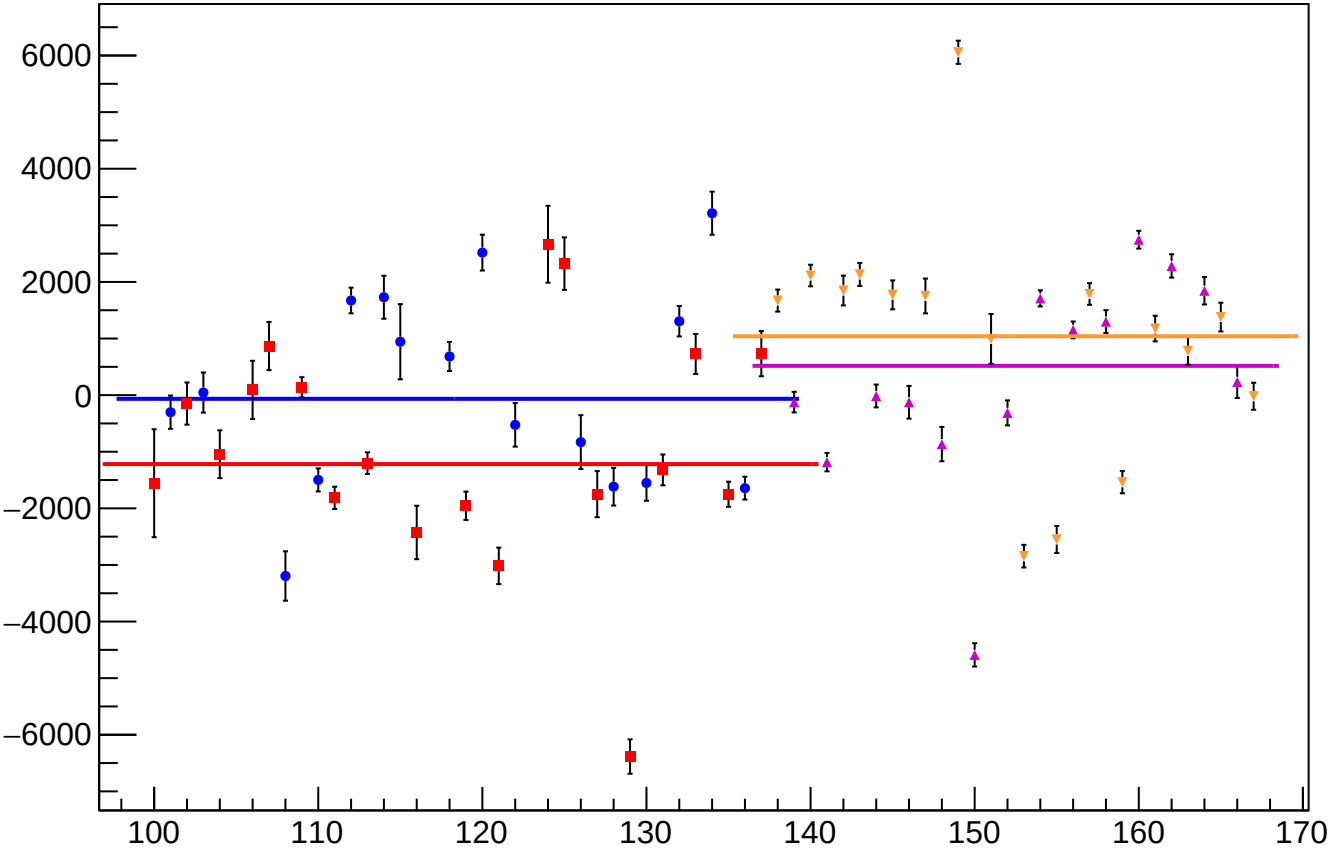
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.556+/-0.001 χ^2/NDF:34183787.9/29

Out: 1.544+/-0.001 χ^2/NDF:36151420.4/34

All: 1.549+/-0.001 χ^2/NDF: 70335263.8/64

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1040.282+/-56.544 χ^2/NDF:1507.2/15

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 517.691+/-51.871 χ^2/NDF:1189.9/13

Left: 756.505+/-38.224 χ^2/NDF: 2743.5/29

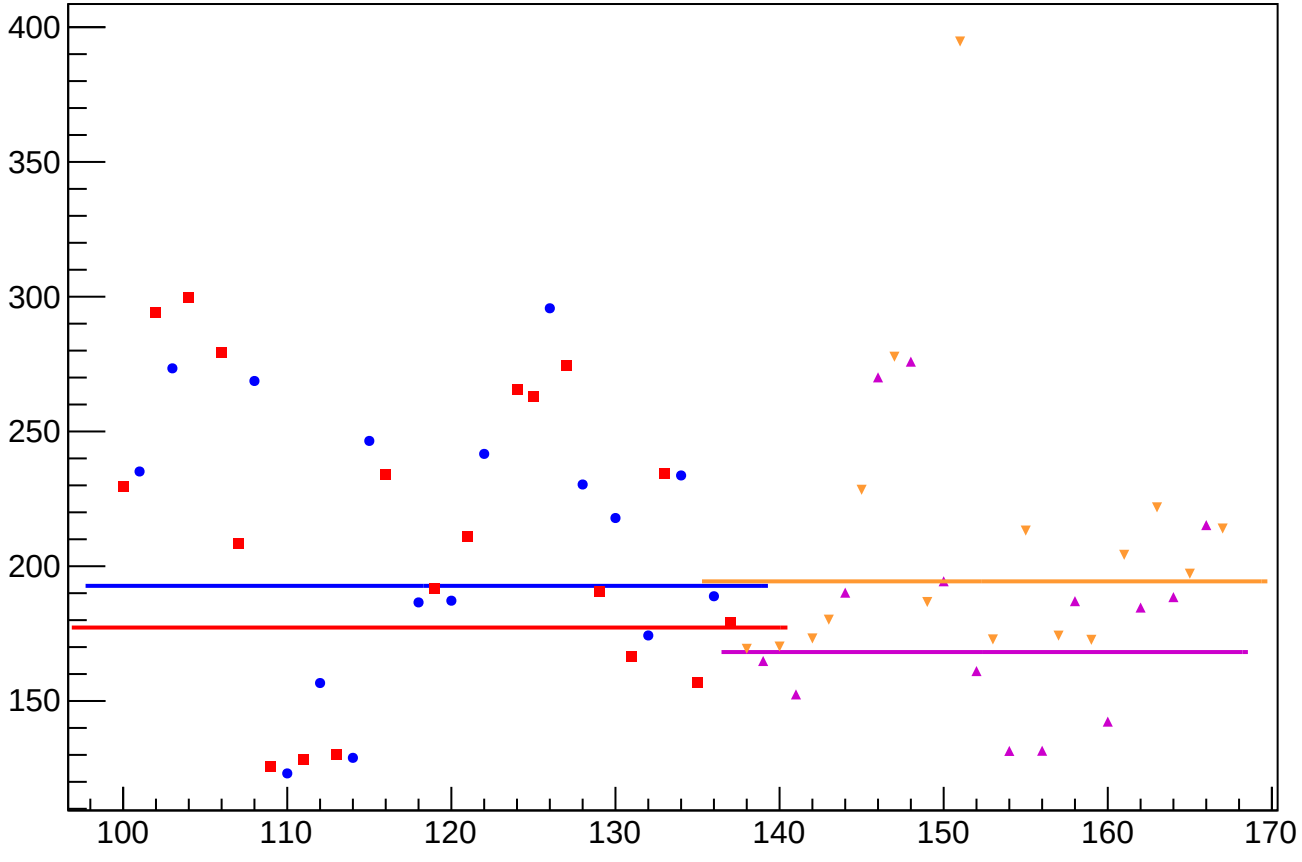
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 328.800+/-42.642 χ^2/NDF:1700.2/29

Out: 133.435+/-43.740 χ^2/NDF:2742.3/34

All: 233.600+/-30.533 χ^2/NDF: 4452.8/64

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.385+/-0.040 χ^2/NDF:811992.8/15

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 168.157+/-0.037 χ^2/NDF:986023.3/13

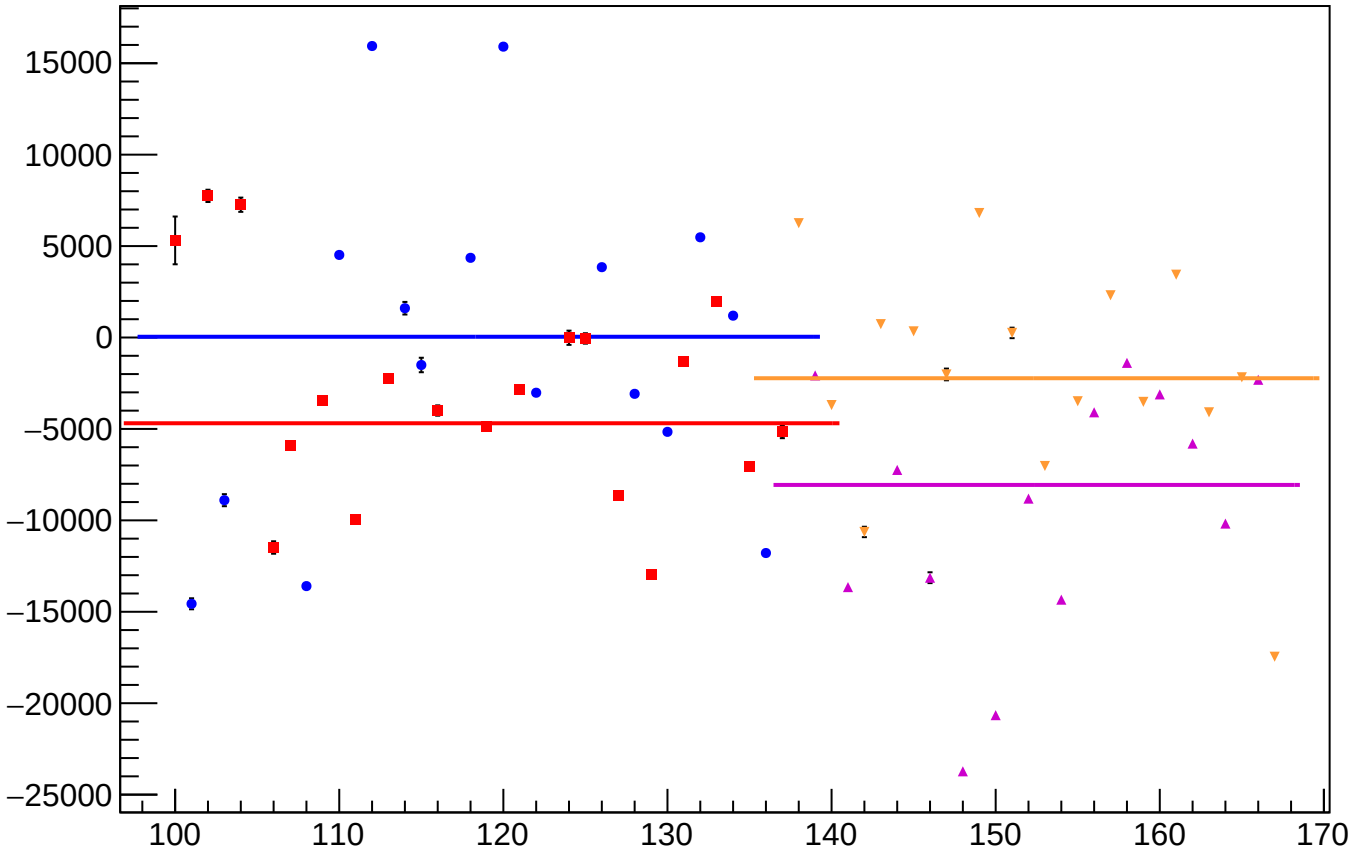
Left: 180.143+/-0.027 χ^2/NDF: 2031692.2/29

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 176.119+/-0.030 χ^2/NDF:1890543.0/29

Out: 187.504+/-0.031 χ^2/NDF:2111924.2/34

All: 181.667+/-0.022 χ^2/NDF: 4071936.9/64



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2227.370+/-48.902 χ^2/NDF:13950.0/15

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8062.432+/-51.817 χ^2/NDF:15120.7/13

Left: -4976.152+/-35.565 χ^2/NDF: 35777.8/29

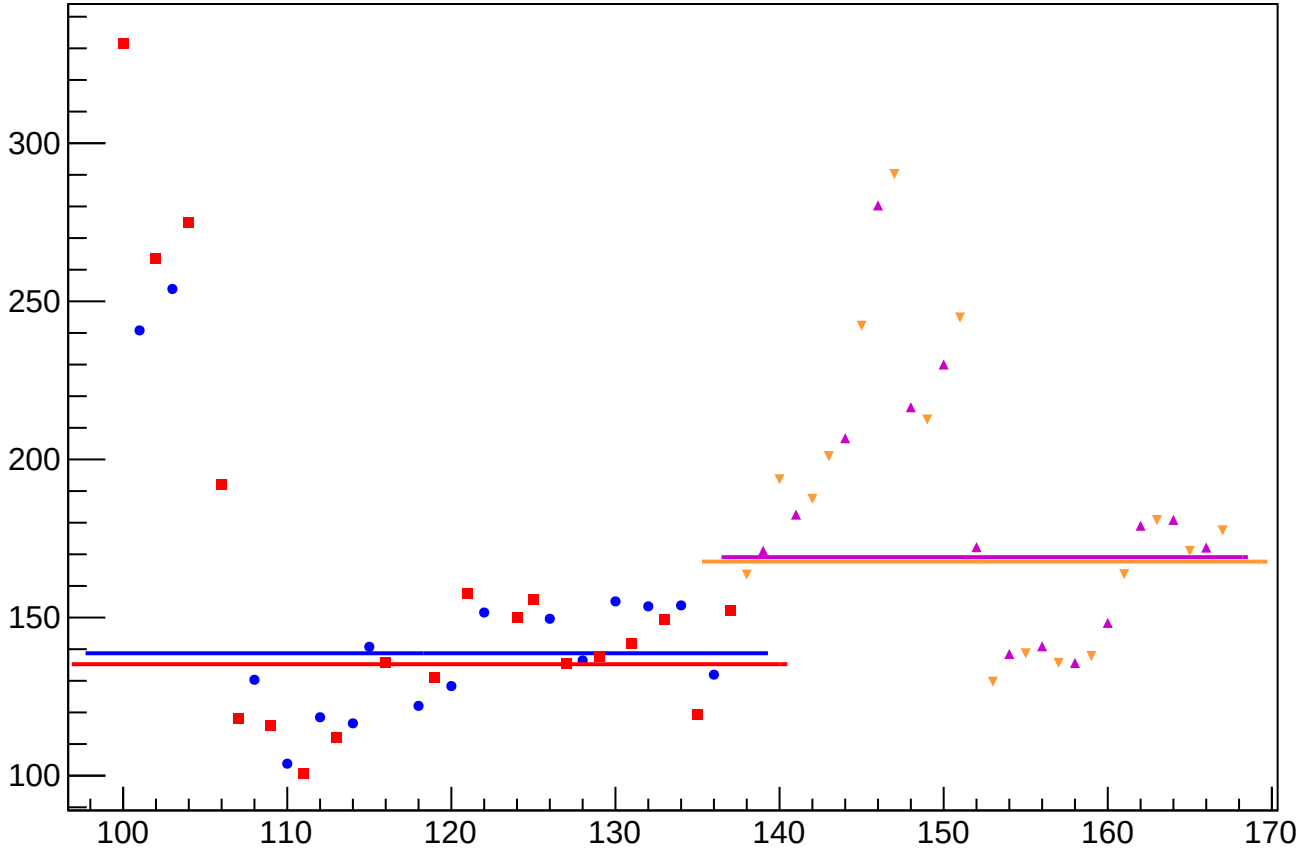
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4192.702+/-37.454 χ^2/NDF:57585.8/29

Out: -3380.768+/-35.654 χ^2/NDF:22933.3/34

All: -3766.761+/-25.824 χ^2/NDF: 80765.6/64

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.683+/-0.035 χ^2/NDF:1142937.2/15

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 169.100+/-0.037 χ^2/NDF:846140.1/13

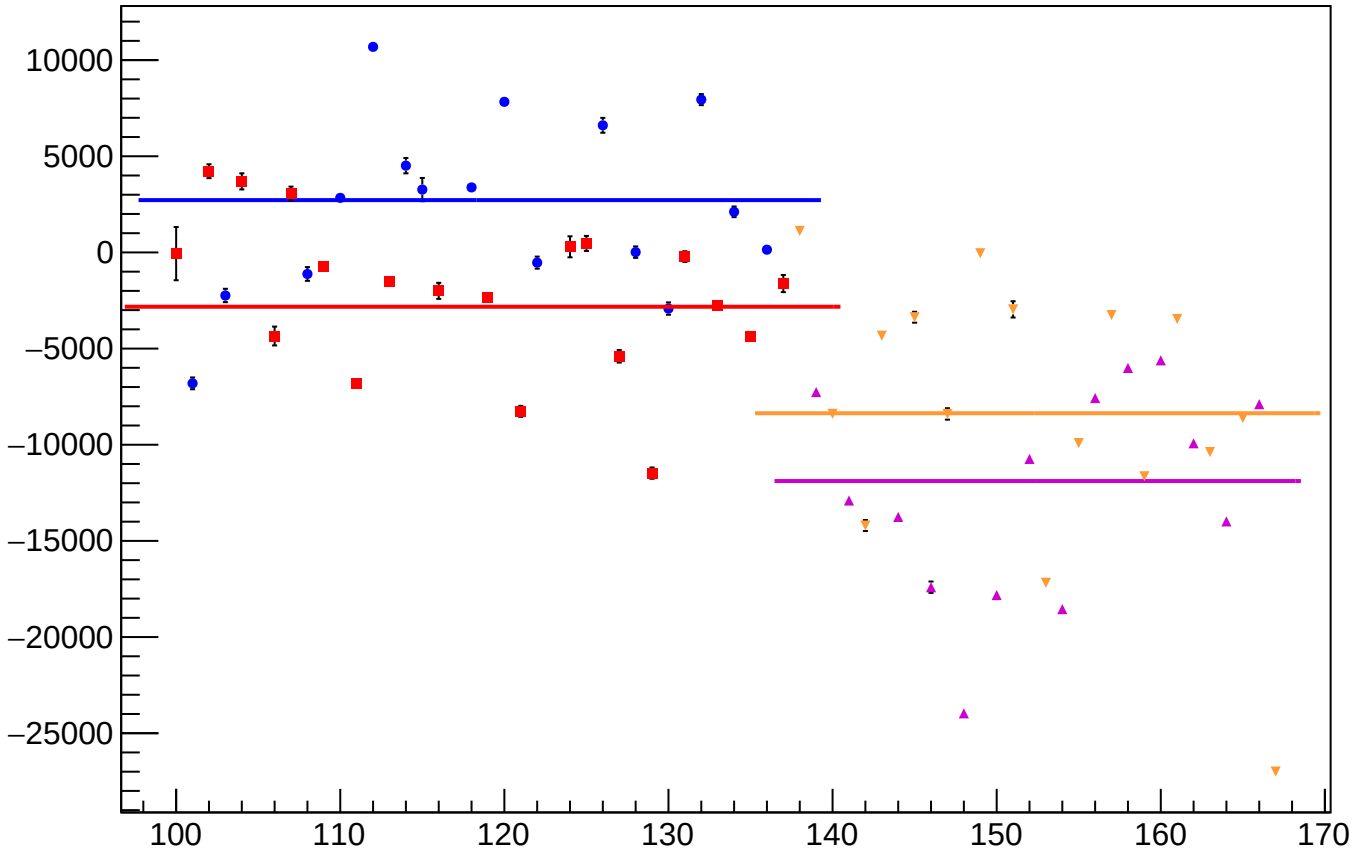
Left: 168.350+/-0.025 χ^2/NDF: 1989868.7/29

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.588+/-0.026 χ^2/NDF:1832405.7/29

Out: 152.488+/-0.025 χ^2/NDF:2445155.6/34

All: 153.487+/-0.018 χ^2/NDF: 4280859.1/64



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8360.995+/-57.492 χ^2/NDF:15638.3/15

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11887.237+/-54.038 χ^2/NDF:9454.8/13

Left: -10233.215+/-39.375 χ^2/NDF: 27090.5/29

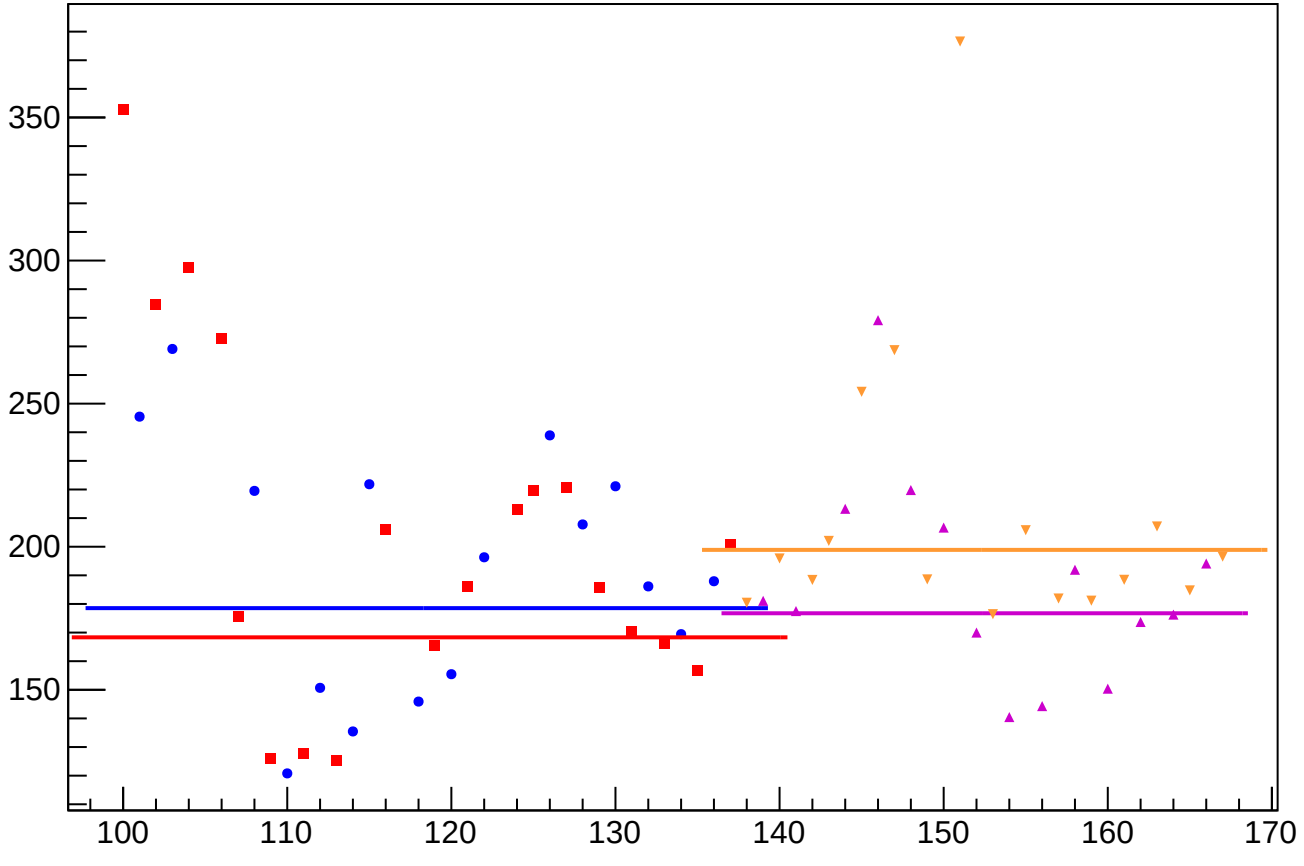
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6358.697+/-42.601 χ^2/NDF:41239.7/29

Out: -5924.191+/-43.020 χ^2/NDF:22783.4/34

All: -6143.569+/-30.271 χ^2/NDF: 64074.6/64

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.898+/-0.041 χ^2/NDF:633316.9/15

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 176.746+/-0.038 χ^2/NDF:657381.7/13

Left: 187.137+/-0.028 χ^2/NDF: 1448356.0/29

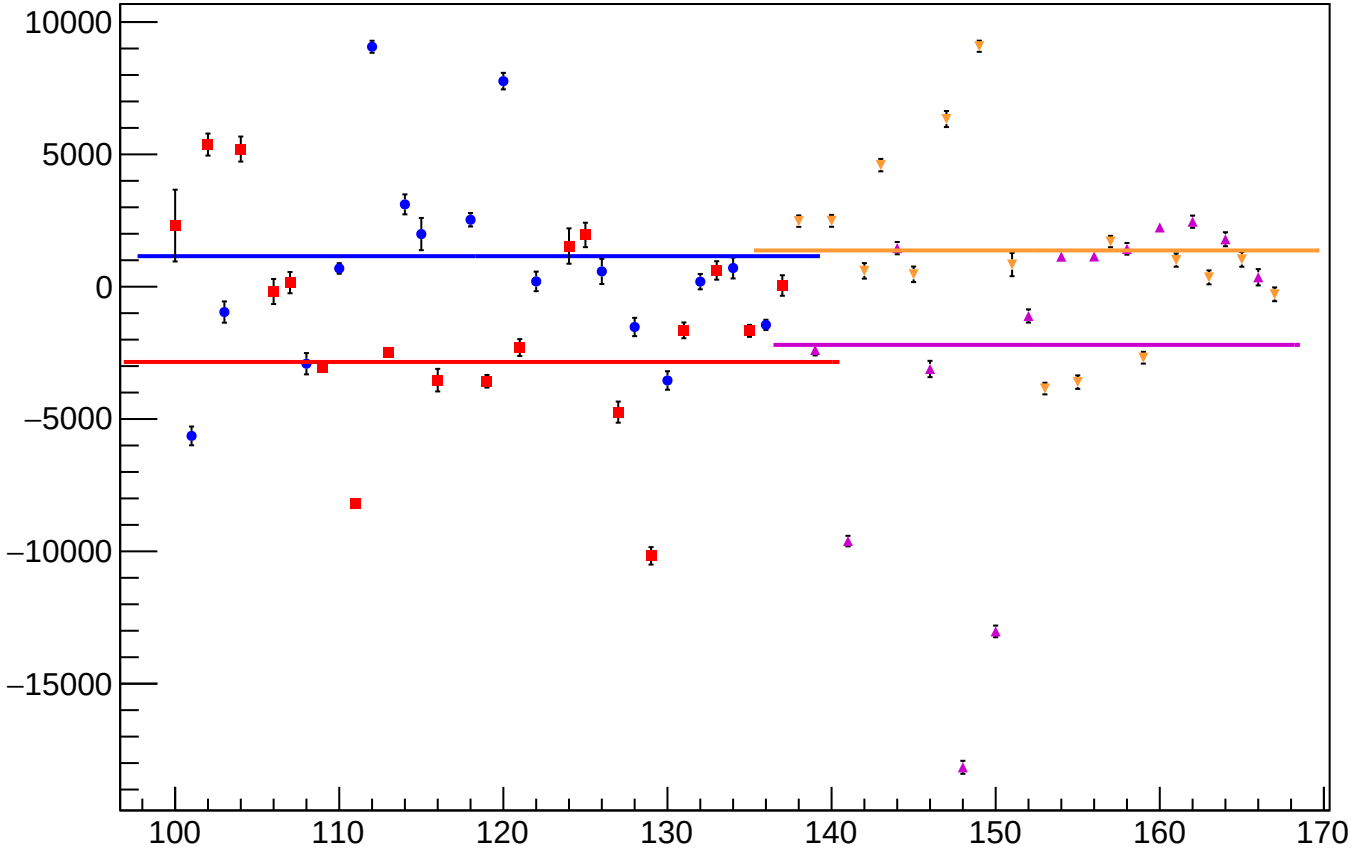
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.425+/-0.030 χ^2/NDF:1332783.1/29

Out: 185.448+/-0.030 χ^2/NDF:1861548.2/34

All: 181.398+/-0.021 χ^2/NDF: 3229451.3/64

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1369.543+/-62.355 χ^2/NDF:3202.2/15

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2198.395+/-58.383 χ^2/NDF:10626.1/13

Left: -531.669+/-42.618 χ^2/NDF: 15572.9/29

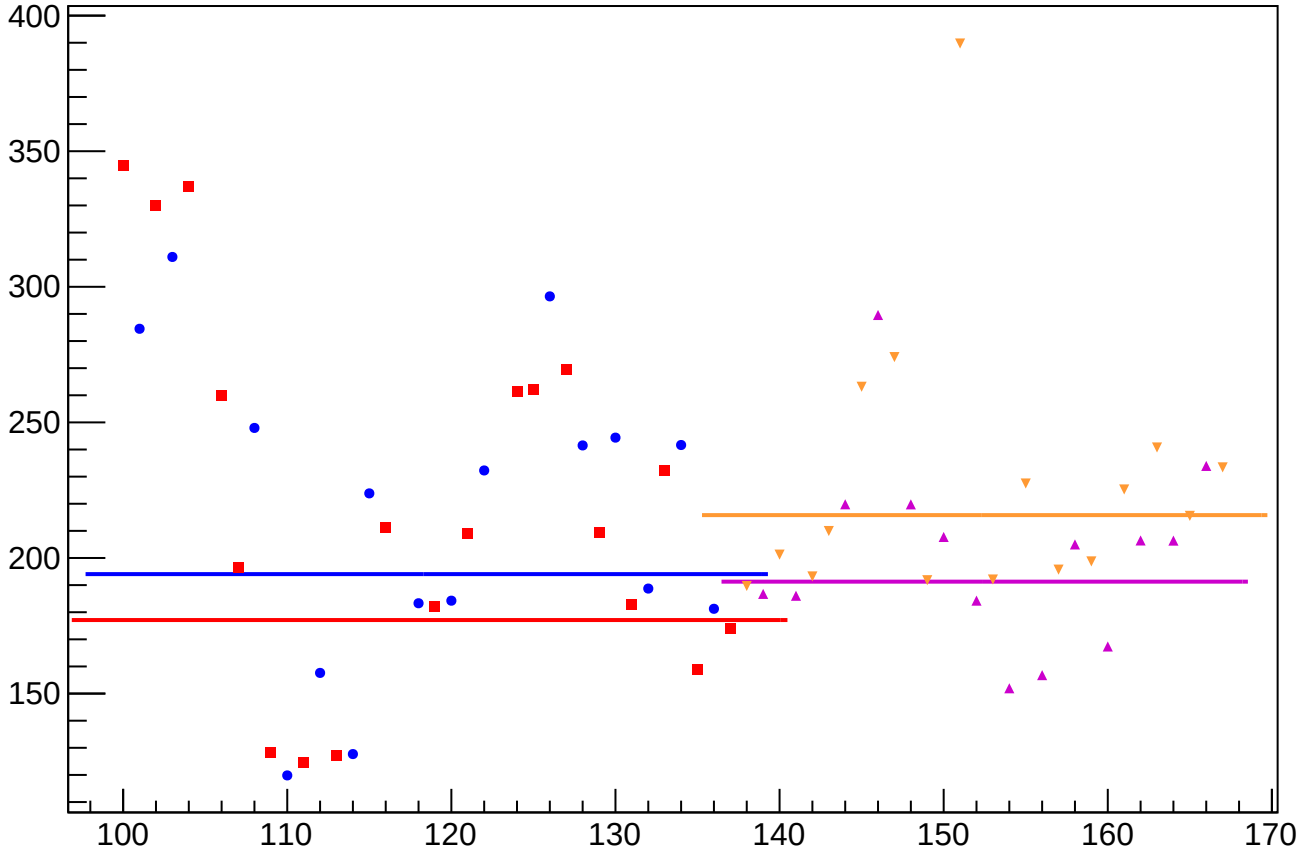
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -953.435+/-46.289 χ^2/NDF:14505.8/29

Out: -520.361+/-46.305 χ^2/NDF:7703.3/34

All: -736.971+/-32.737 χ^2/NDF: 22252.9/64

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.809+/-0.044 χ^2/NDF:602294.4/15

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 191.273+/-0.041 χ^2/NDF:560656.9/13

Left: 202.735+/-0.030 χ^2/NDF: 1327959.0/29

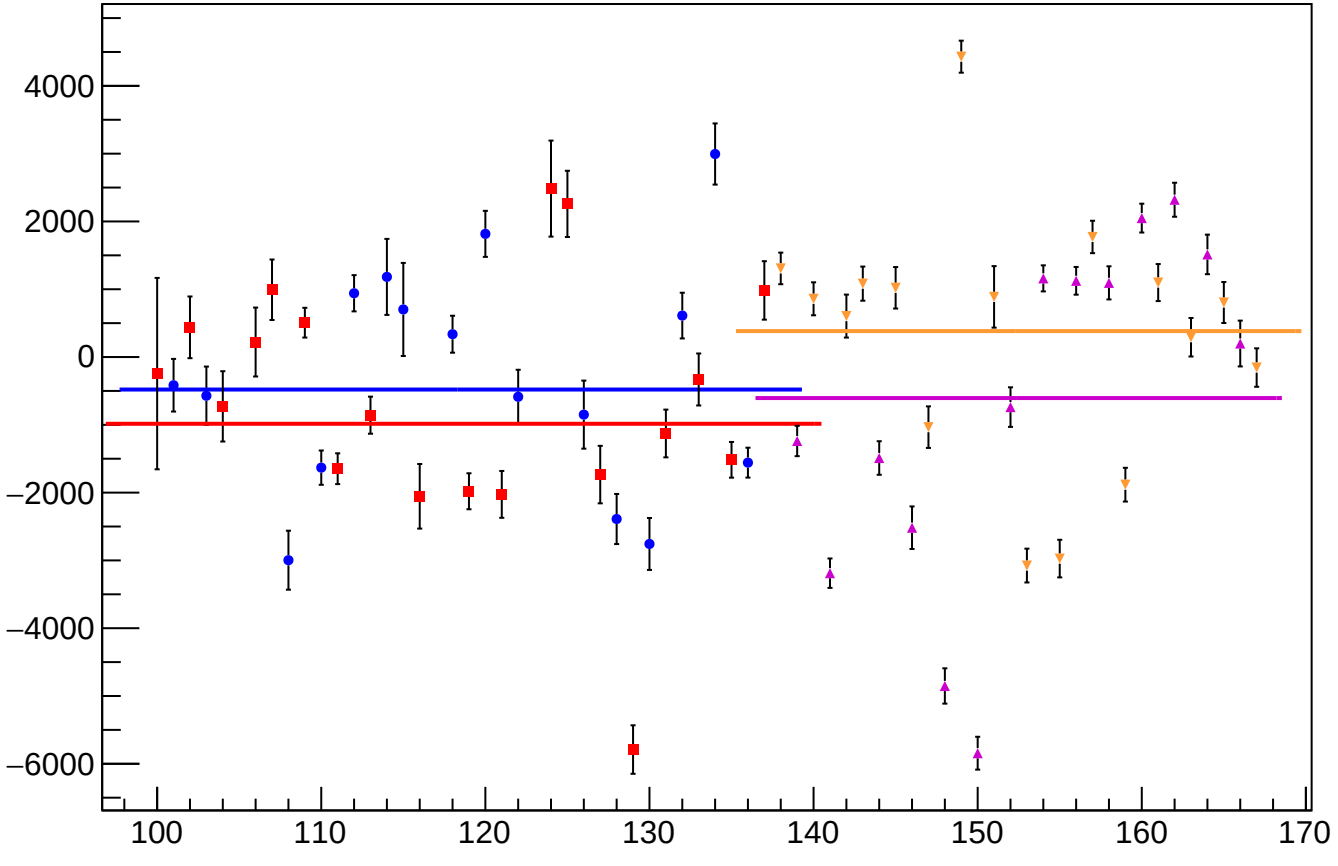
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 192.305+/-0.033 χ^2/NDF:1528127.2/29

Out: 198.453+/-0.033 χ^2/NDF:2307082.1/34

All: 195.378+/-0.023 χ^2/NDF: 3852841.3/64

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 382.958+/-67.880 χ^2/NDF:816.5/15

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -605.138+/-64.887 χ^2/NDF:1487.8/13

Left: -133.352+/-46.905 χ^2/NDF: 2415.0/29

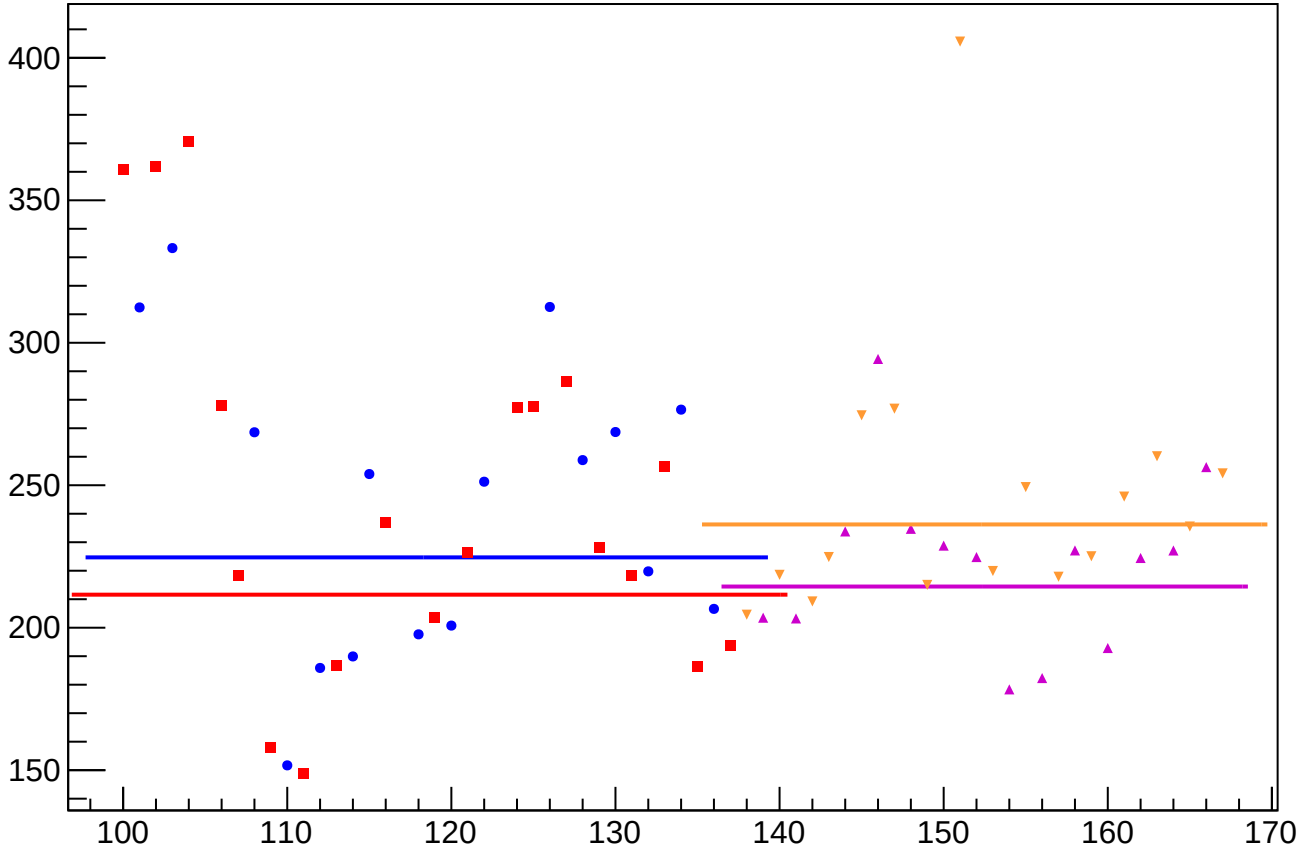
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -559.950+/-51.946 χ^2/NDF:1794.6/29

Out: -181.641+/-52.012 χ^2/NDF:1382.2/34

All: -371.036+/-36.755 χ^2/NDF: 3203.3/64

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 236.243+/-0.048 χ^2/NDF:481286.1/15

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 214.451+/-0.046 χ^2/NDF:357133.2/13

Left: 224.856+/-0.033 χ^2/NDF: 946133.3/29

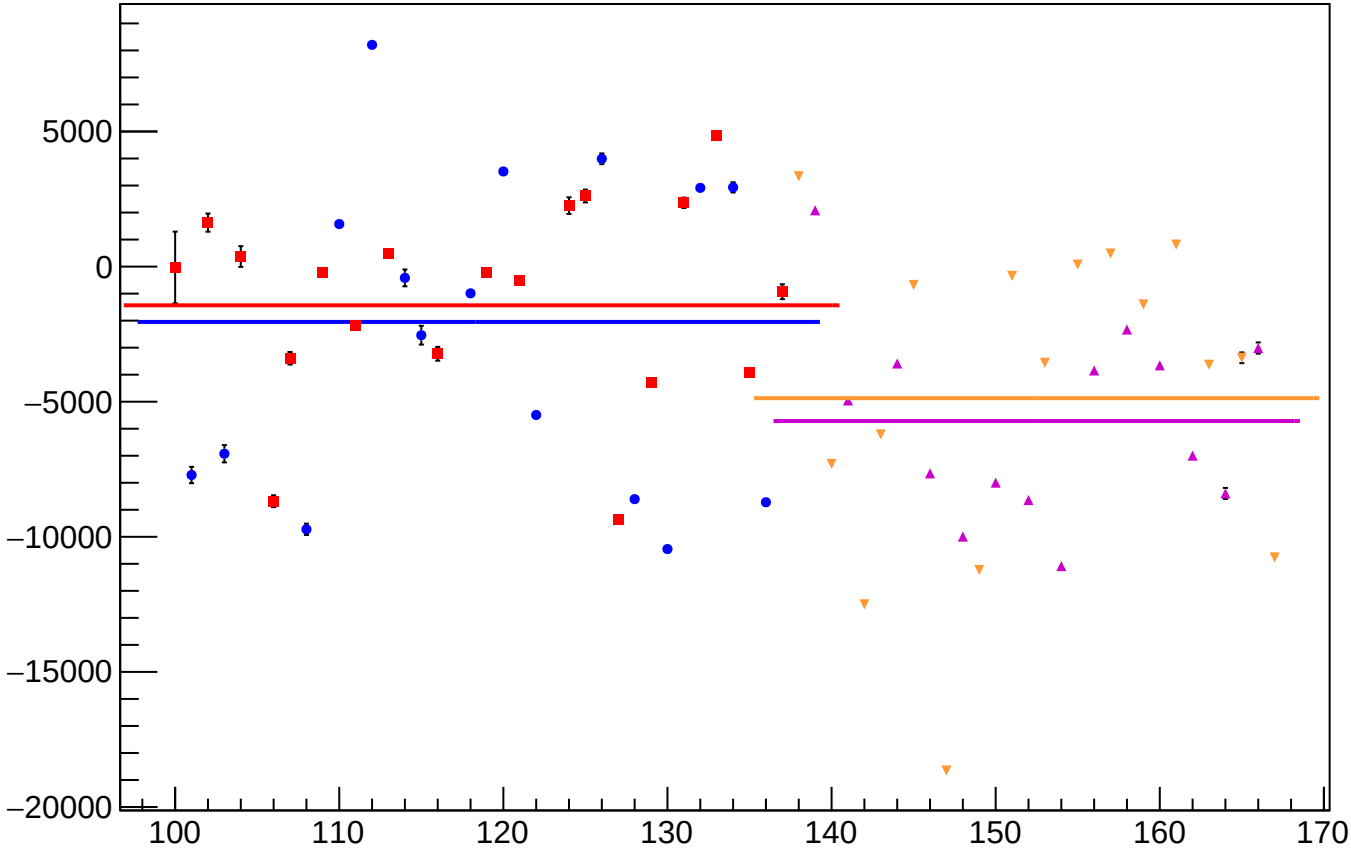
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 218.125+/-0.037 χ^2/NDF:1028185.1/29

Out: 226.066+/-0.037 χ^2/NDF:1523068.2/34

All: 222.091+/-0.026 χ^2/NDF: 2574594.9/64

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4868.559+/-34.758 χ^2/NDF:30832.8/15

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5715.549+/-36.389 χ^2/NDF:9610.7/13

Left: -5272.648+/-25.134 χ^2/NDF: 40726.8/29

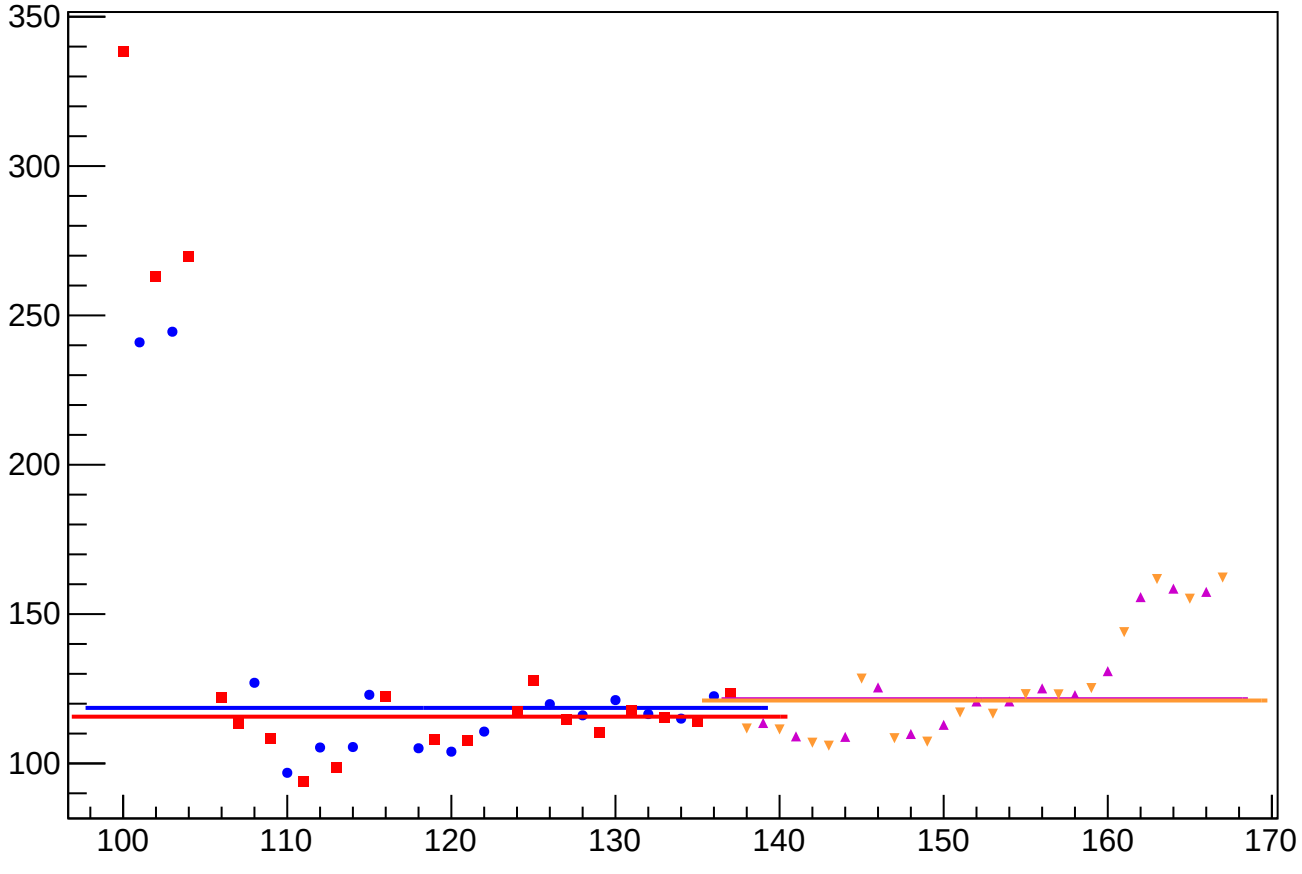
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4330.530+/-28.709 χ^2/NDF:30156.7/29

Out: -3575.033+/-27.446 χ^2/NDF:40899.1/34

All: -3935.793+/-19.839 χ^2/NDF: 71417.7/64

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 121.071+/-0.025 χ^2/NDF:438778.7/15

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 121.511+/-0.026 χ^2/NDF:296780.3/13

Left: 121.281+/-0.018 χ^2/NDF: 735711.9/29

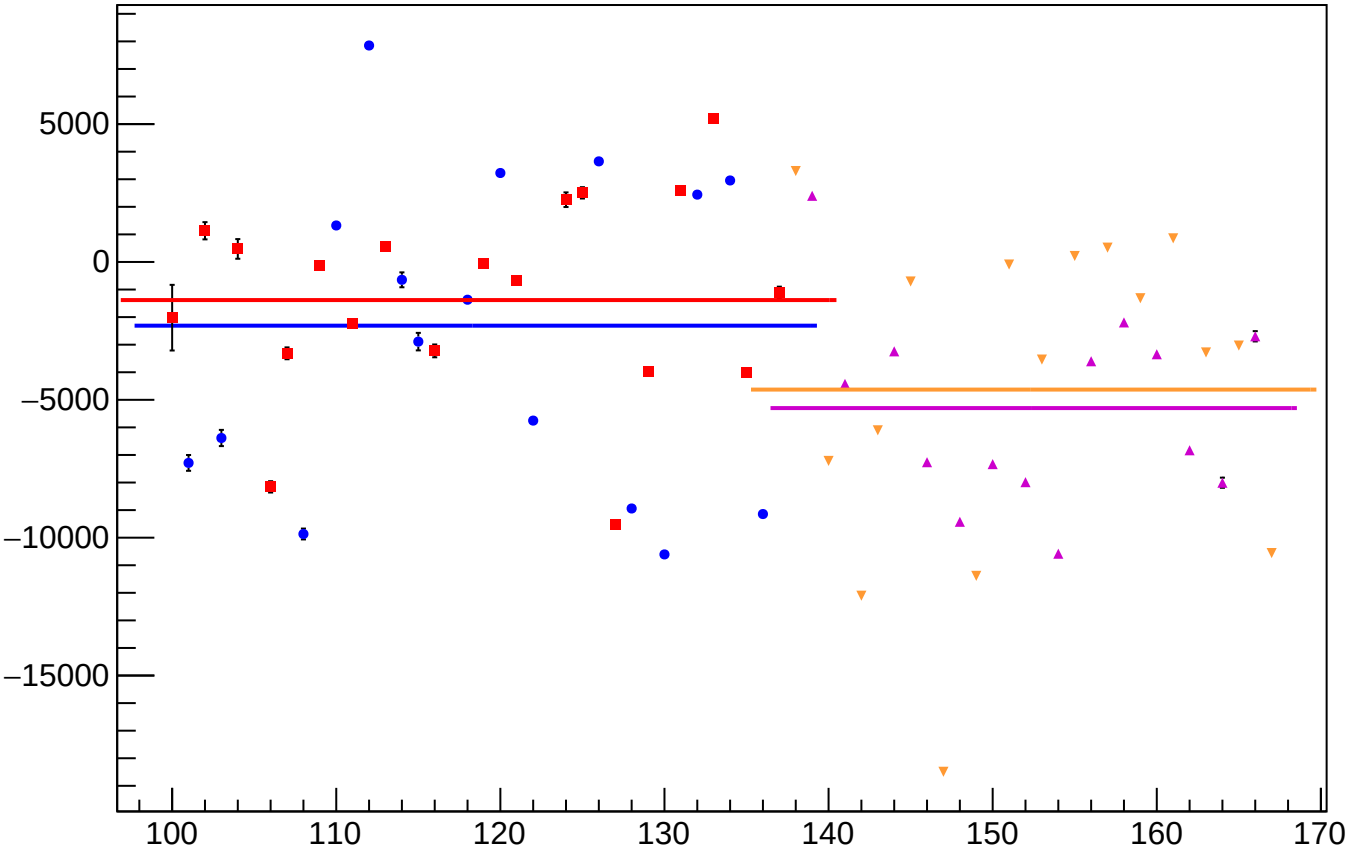
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 120.410+/-0.020 χ^2/NDF:1035786.0/29

Out: 119.034+/-0.019 χ^2/NDF:1321237.8/34

All: 119.691+/-0.014 χ^2/NDF: 2359427.0/64

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4628.610+/-31.186 χ^2/NDF:37290.3/15

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5299.755+/-32.629 χ^2/NDF:11418.8/13

Left: -4949.012+/-22.544 χ^2/NDF: 48930.2/29

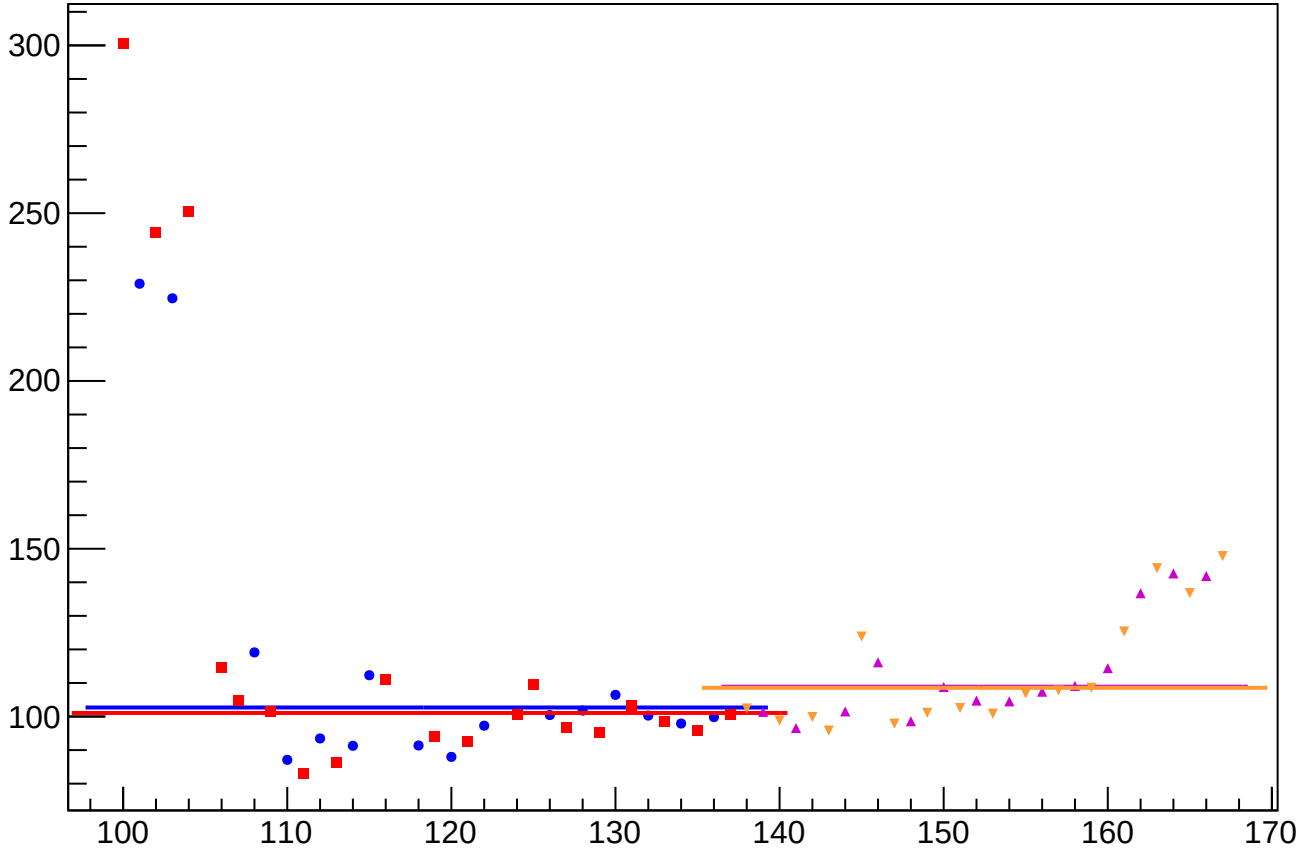
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4131.447+/-25.466 χ^2/NDF:36378.5/29

Out: -3375.879+/-24.439 χ^2/NDF:50050.9/34

All: -3738.115+/-17.633 χ^2/NDF: 86887.7/64

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 108.561+/-0.022 χ^2/NDF:417986.1/15

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 108.892+/-0.023 χ^2/NDF:276045.6/13

Left: 108.719+/-0.016 χ^2/NDF: 694139.0/29

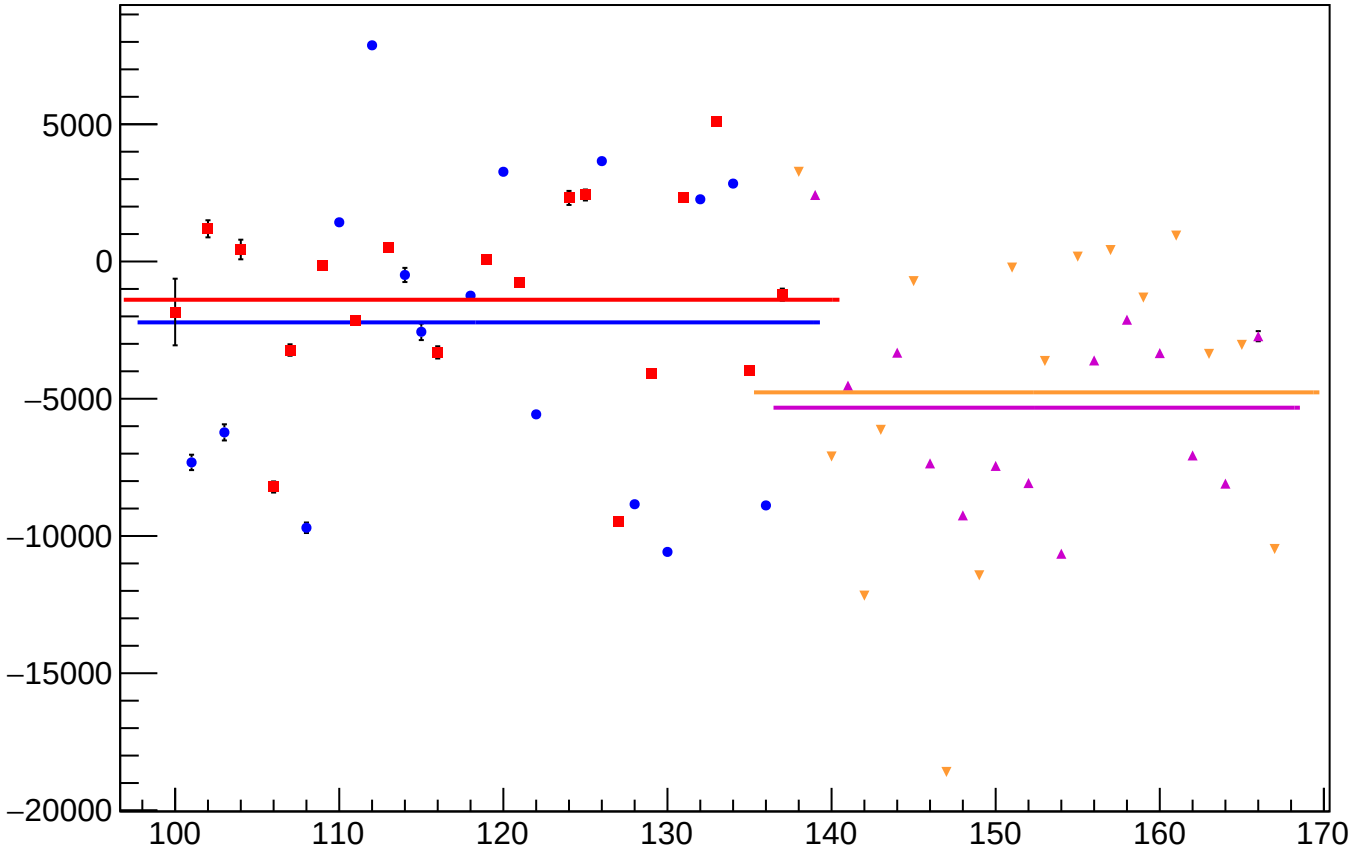
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 106.469+/-0.018 χ^2/NDF:1130056.1/29

Out: 105.668+/-0.017 χ^2/NDF:1393058.9/34

All: 106.052+/-0.012 χ^2/NDF: 2524146.2/64

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4767.388+/-30.538 χ^2/NDF:40081.6/15

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5326.343+/-31.912 χ^2/NDF:12094.4/13

Left: -5034.570+/-22.063 χ^2/NDF: 52336.1/29

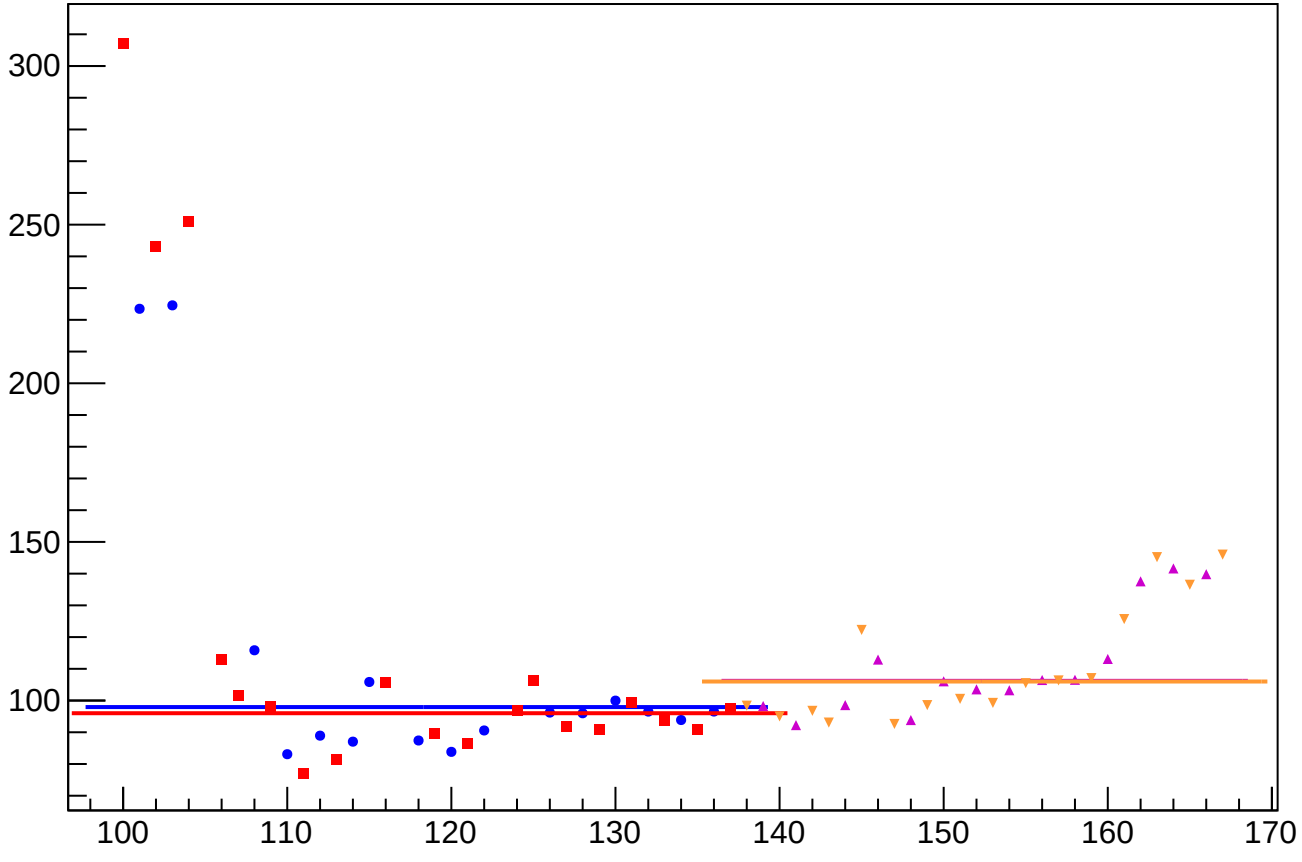
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -4081.291+/-24.707 χ^2/NDF:38935.2/29

Out: -3425.573+/-23.699 χ^2/NDF:54088.2/34

All: -3739.783+/-17.103 χ^2/NDF: 93390.2/64

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 105.996+/-0.022 χ^2/NDF:492148.1/15

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 106.208+/-0.023 χ^2/NDF:327269.4/13

Left: 106.097+/-0.016 χ^2/NDF: 819463.2/29

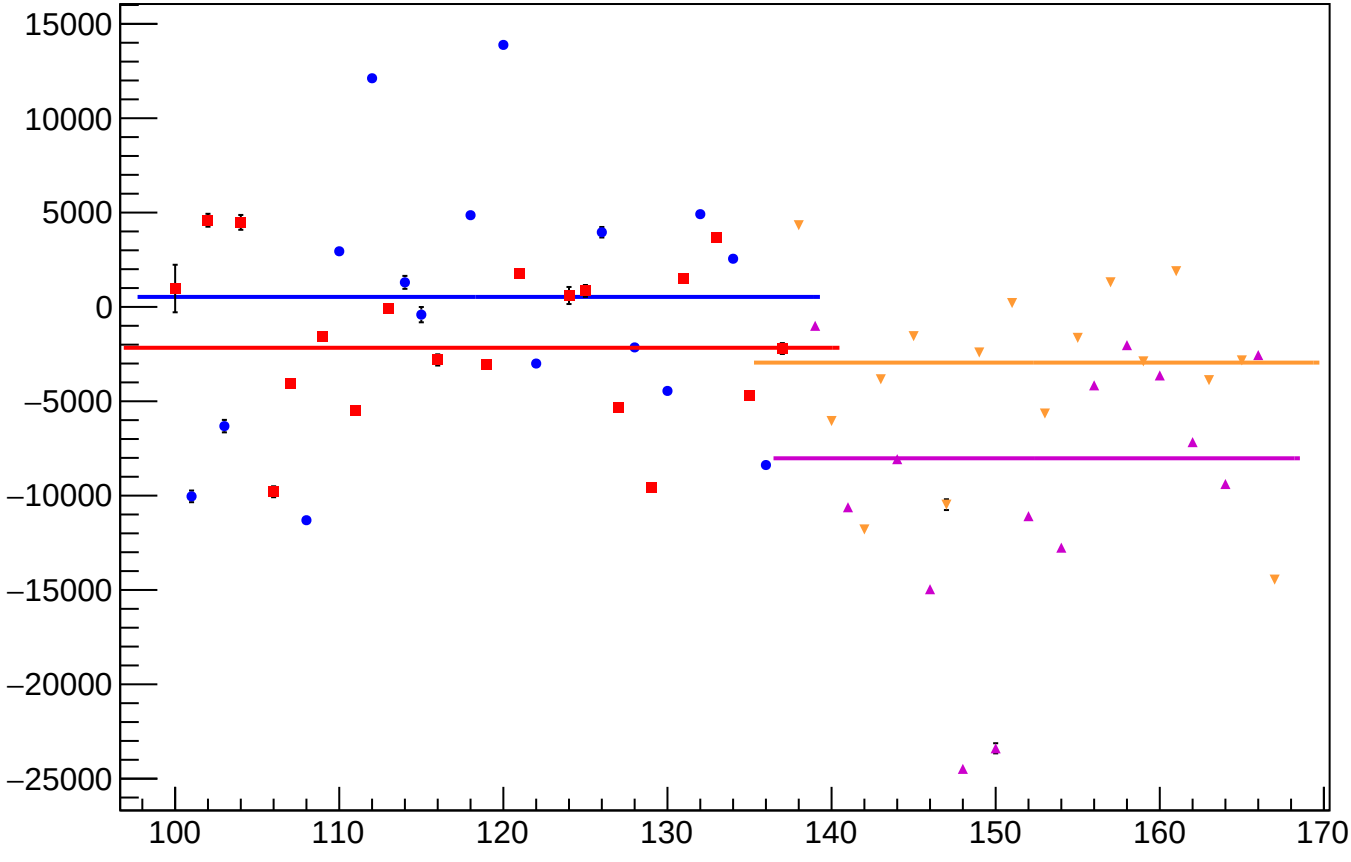
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 102.897+/-0.017 χ^2/NDF:1249142.0/29

Out: 102.023+/-0.017 χ^2/NDF:1589586.8/34

All: 102.442+/-0.012 χ^2/NDF: 2840035.0/64

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2950.919+/-44.372 χ^2/NDF:10660.0/15

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -8021.629+/-47.571 χ^2/NDF:15439.2/13

Left: -5310.021+/-32.448 χ^2/NDF: 32175.1/29

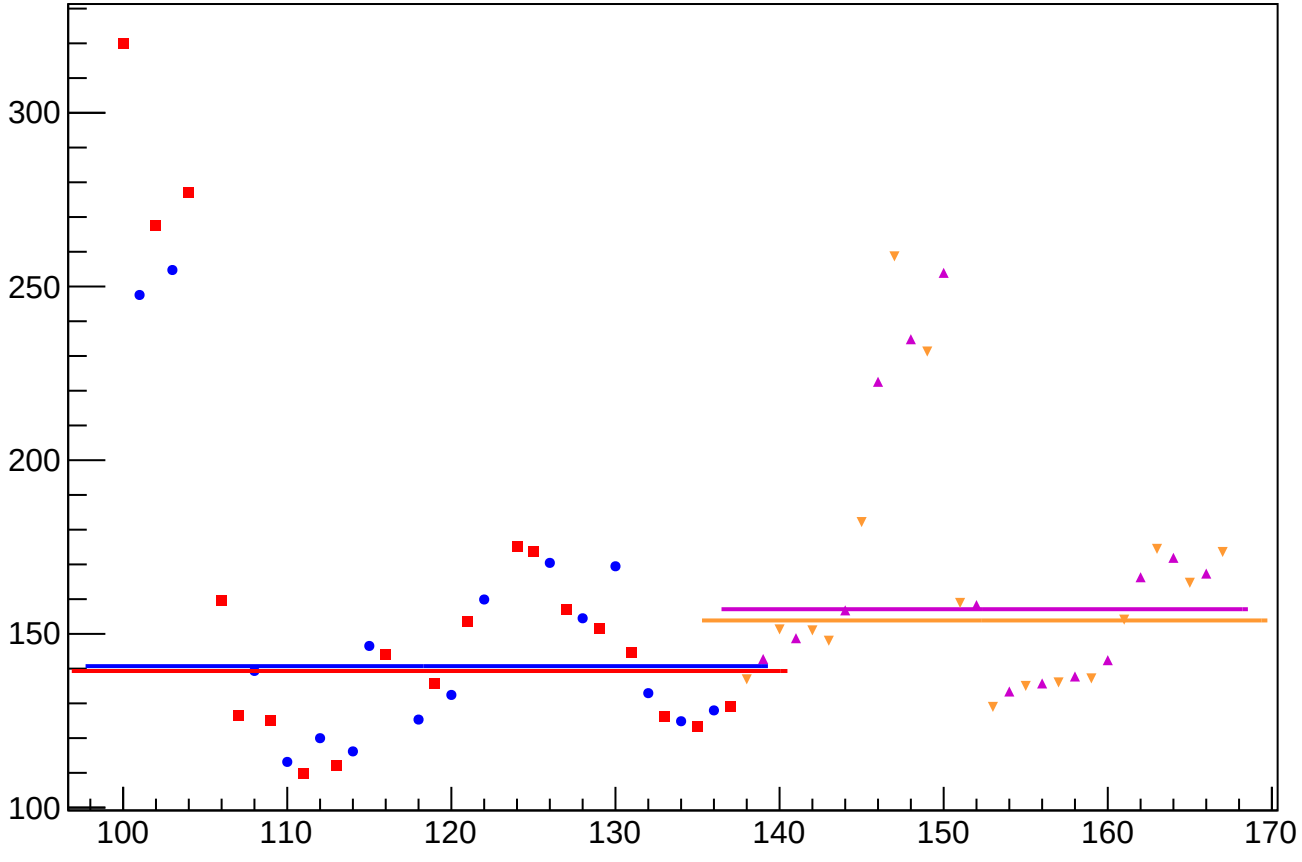
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4350.613+/-35.939 χ^2/NDF:47900.0/29

Out: -2630.330+/-34.143 χ^2/NDF:15755.2/34

All: -3446.402+/-24.753 χ^2/NDF: 64859.4/64

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 153.869+/-0.031 χ^2/NDF:717833.7/15

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 157.105+/-0.034 χ^2/NDF:776477.1/13

Left: 155.374+/-0.023 χ^2/NDF: 1499262.2/29

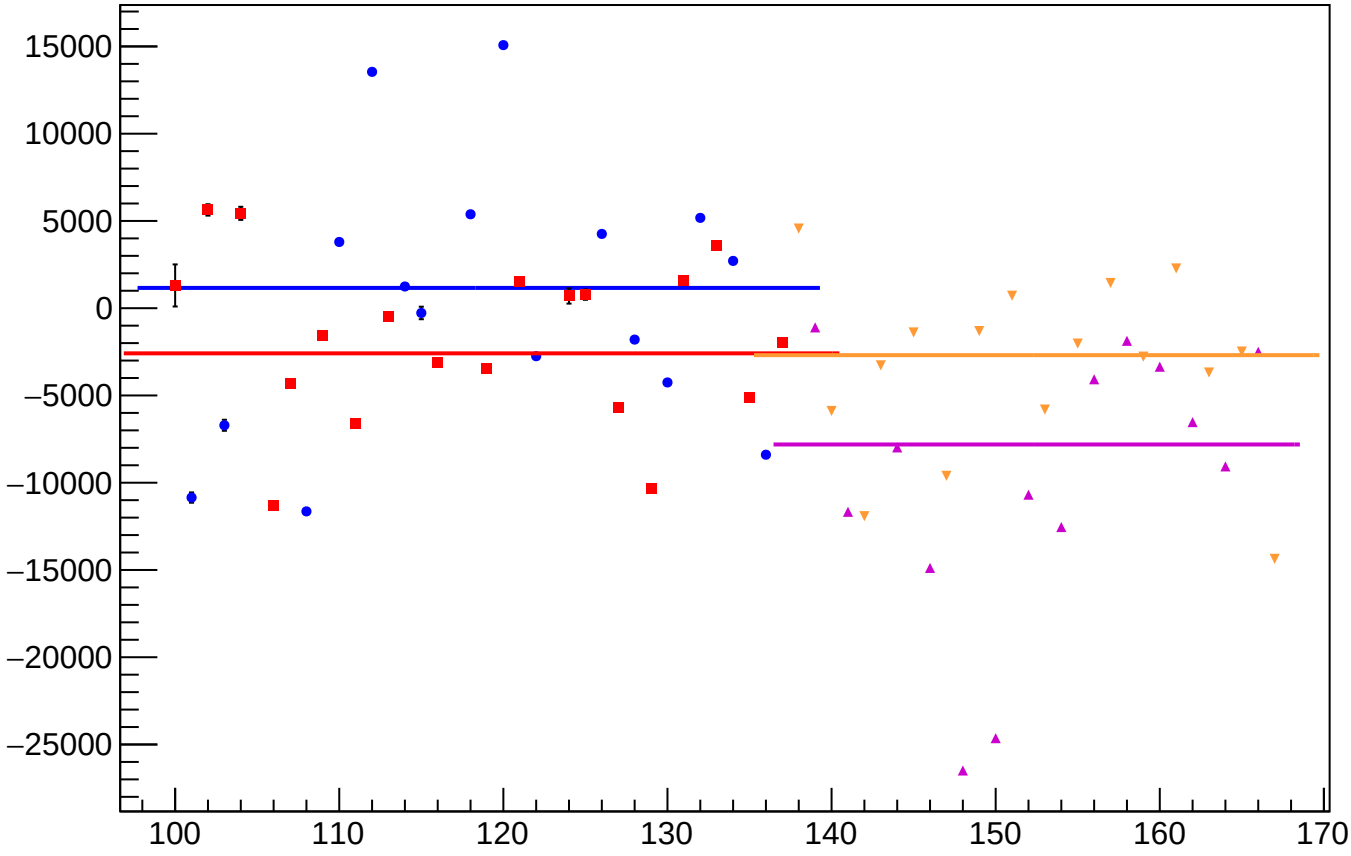
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 150.070+/-0.025 χ^2/NDF:1554005.0/29

Out: 147.933+/-0.024 χ^2/NDF:1607892.2/34

All: 148.947+/-0.018 χ^2/NDF: 3165614.4/64

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2690.328+/-39.171 χ^2/NDF:13703.7/15

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -7808.594+/-42.042 χ^2/NDF:20615.0/13

Left: -5068.762+/-28.659 χ^2/NDF: 42252.5/29

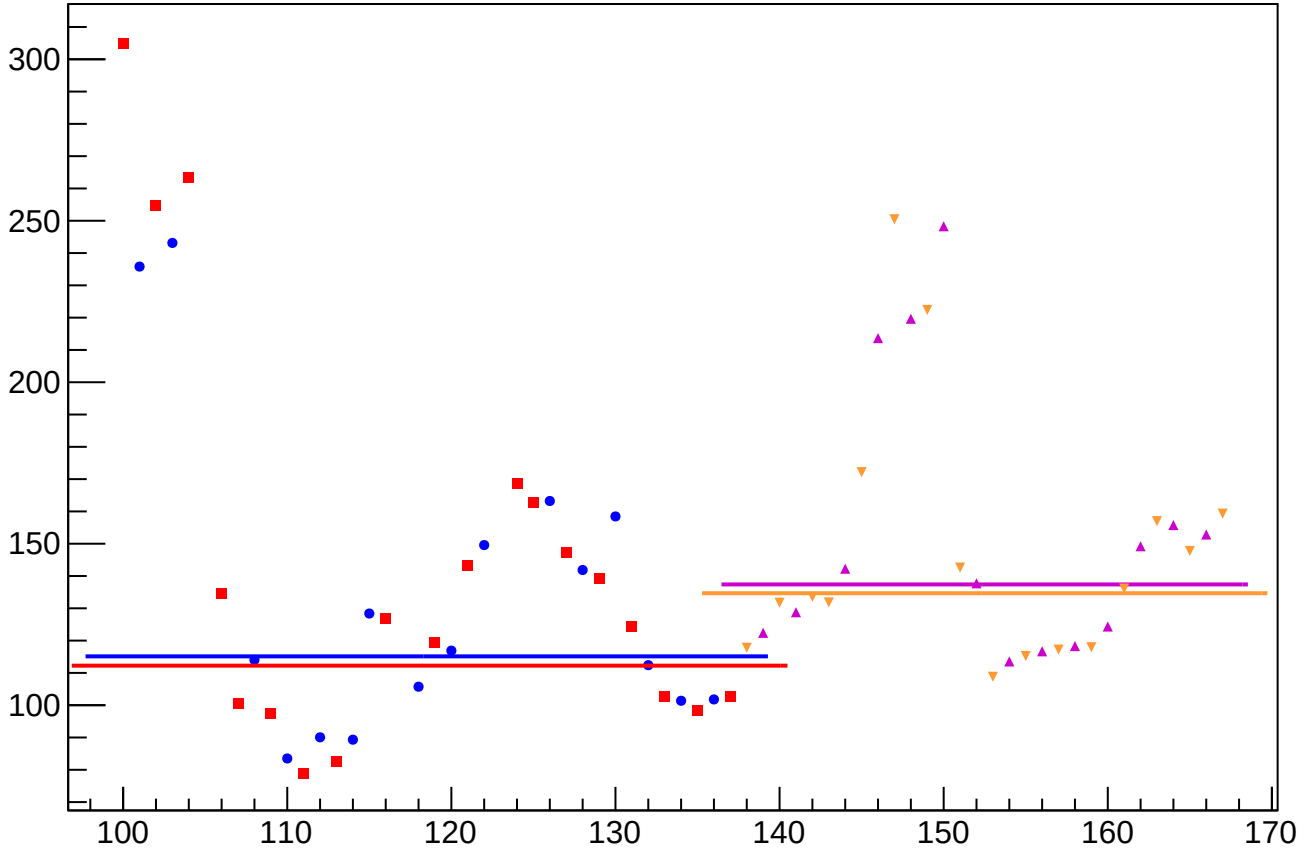
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3718.566+/-31.012 χ^2/NDF:72129.5/29

Out: -2644.831+/-29.332 χ^2/NDF:21806.5/34

All: -3151.833+/-21.310 χ^2/NDF: 94568.7/64

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 134.667+/-0.028 χ^2/NDF:1011779.4/15

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 137.393+/-0.030 χ^2/NDF:1066083.3/13

Left: 135.934+/-0.020 χ^2/NDF: 2082365.2/29

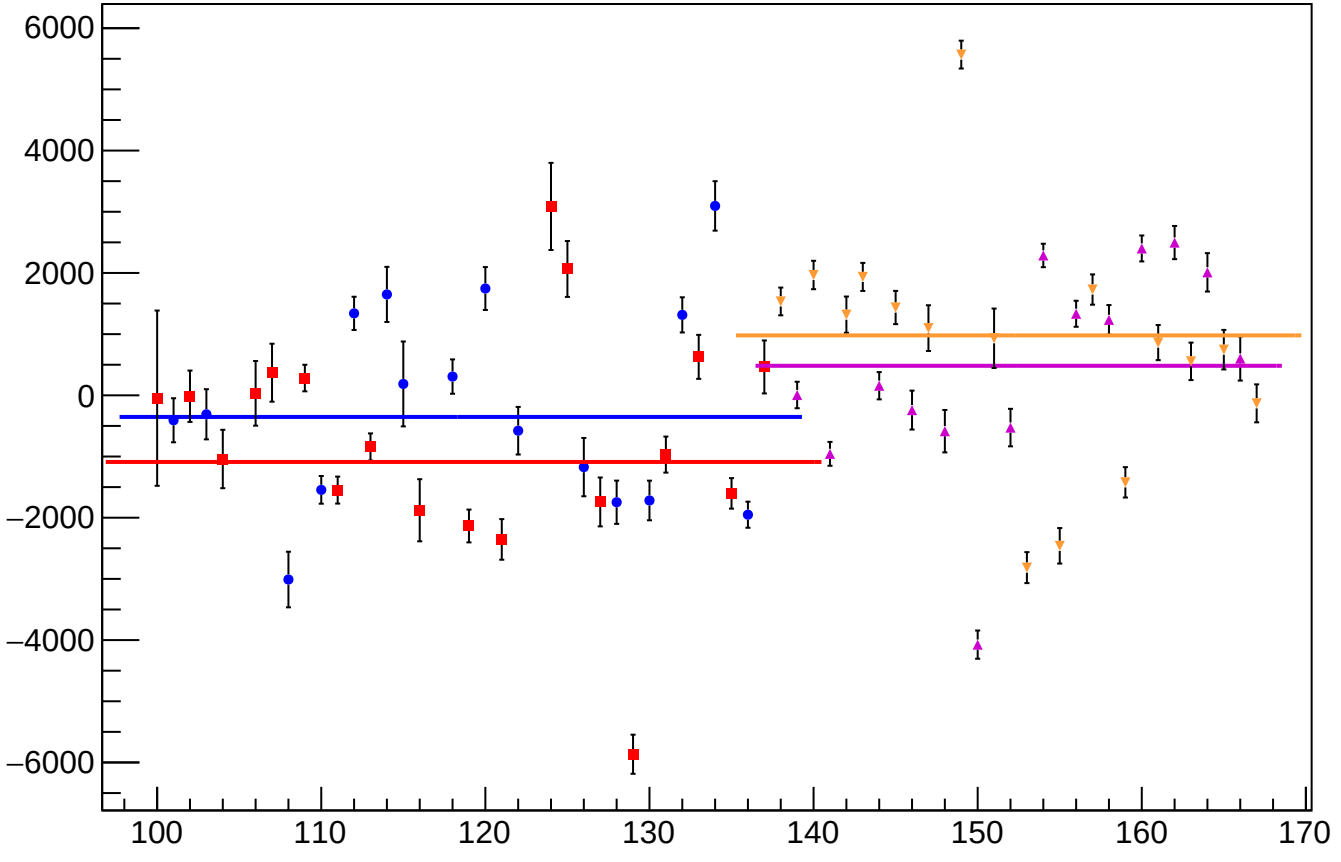
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 127.242+/-0.022 χ^2/NDF:2434860.3/29

Out: 124.816+/-0.021 χ^2/NDF:2627891.7/34

All: 125.961+/-0.015 χ^2/NDF: 5069210.7/64

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 979.354+/-68.124 χ^2/NDF:934.8/15

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 482.822+/-65.163 χ^2/NDF:752.1/13

Left: 720.063+/-47.089 χ^2/NDF: 1714.7/29

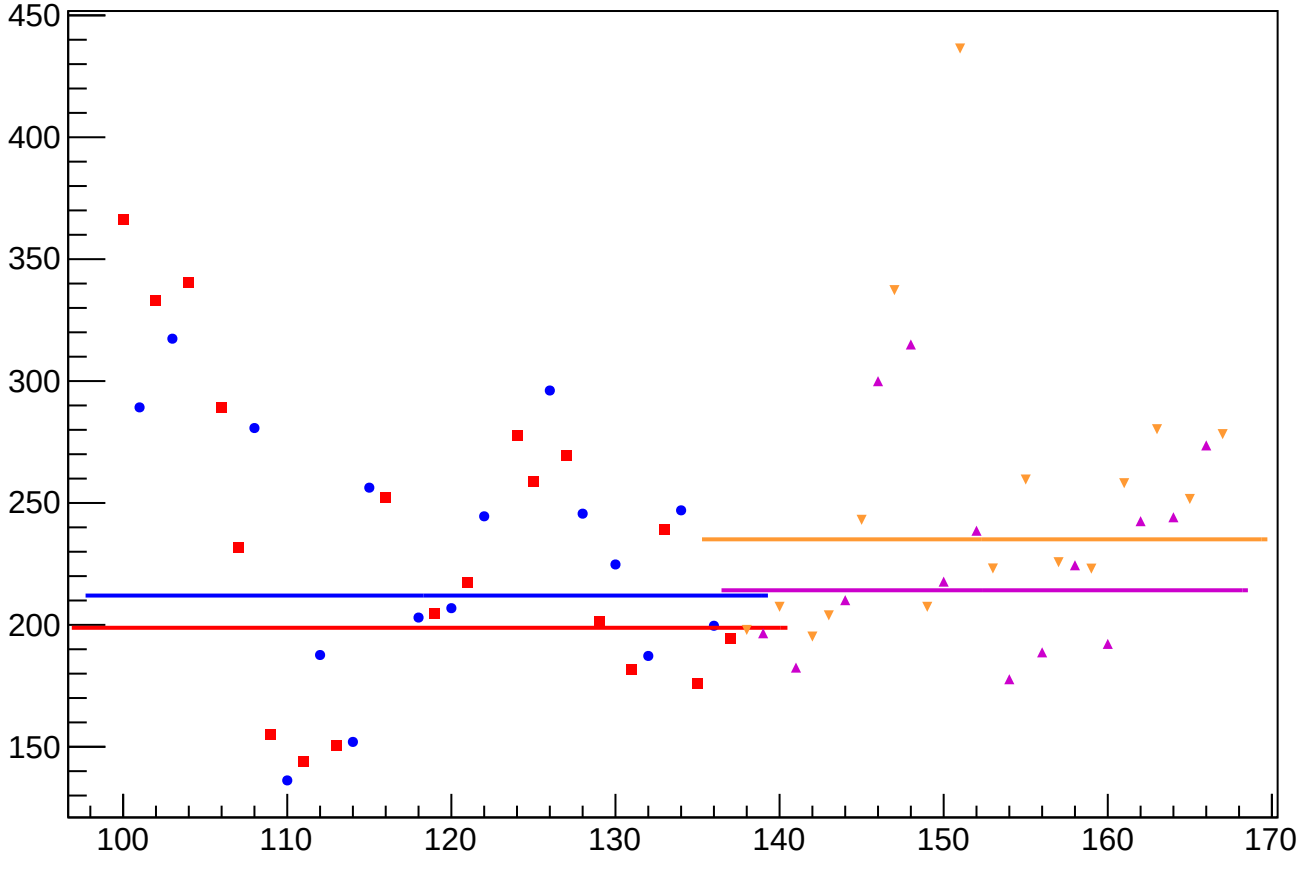
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 159.910+/-51.049 χ^2/NDF:1177.5/29

Out: 63.931+/-50.859 χ^2/NDF:1789.9/34

All: 111.742+/-36.030 χ^2/NDF: 2969.2/64

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 235.087+/-0.048 χ^2/NDF:806902.3/15

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 214.194+/-0.046 χ^2/NDF:614910.7/13

Left: 224.176+/-0.033 χ^2/NDF: 1520053.9/29

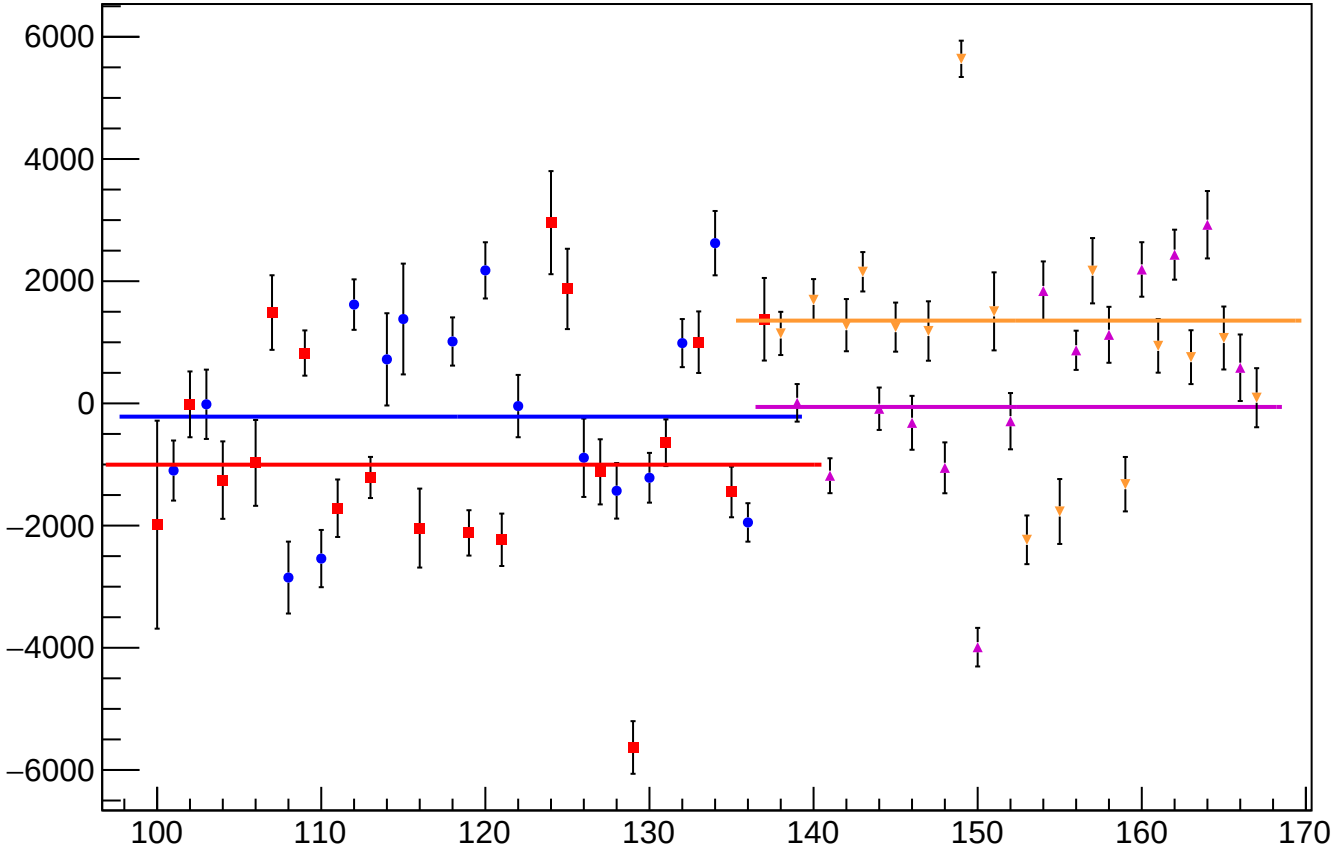
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 213.357+/-0.036 χ^2/NDF:1306122.4/29

Out: 219.029+/-0.036 χ^2/NDF:2032880.2/34

All: 216.204+/-0.025 χ^2/NDF: 3351395.2/64

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1354.951+/-103.857 χ^2/NDF:379.4/15

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -58.065+/-103.596 χ^2/NDF:300.5/13

Left: 646.669+/-73.345 χ^2/NDF: 772.7/29

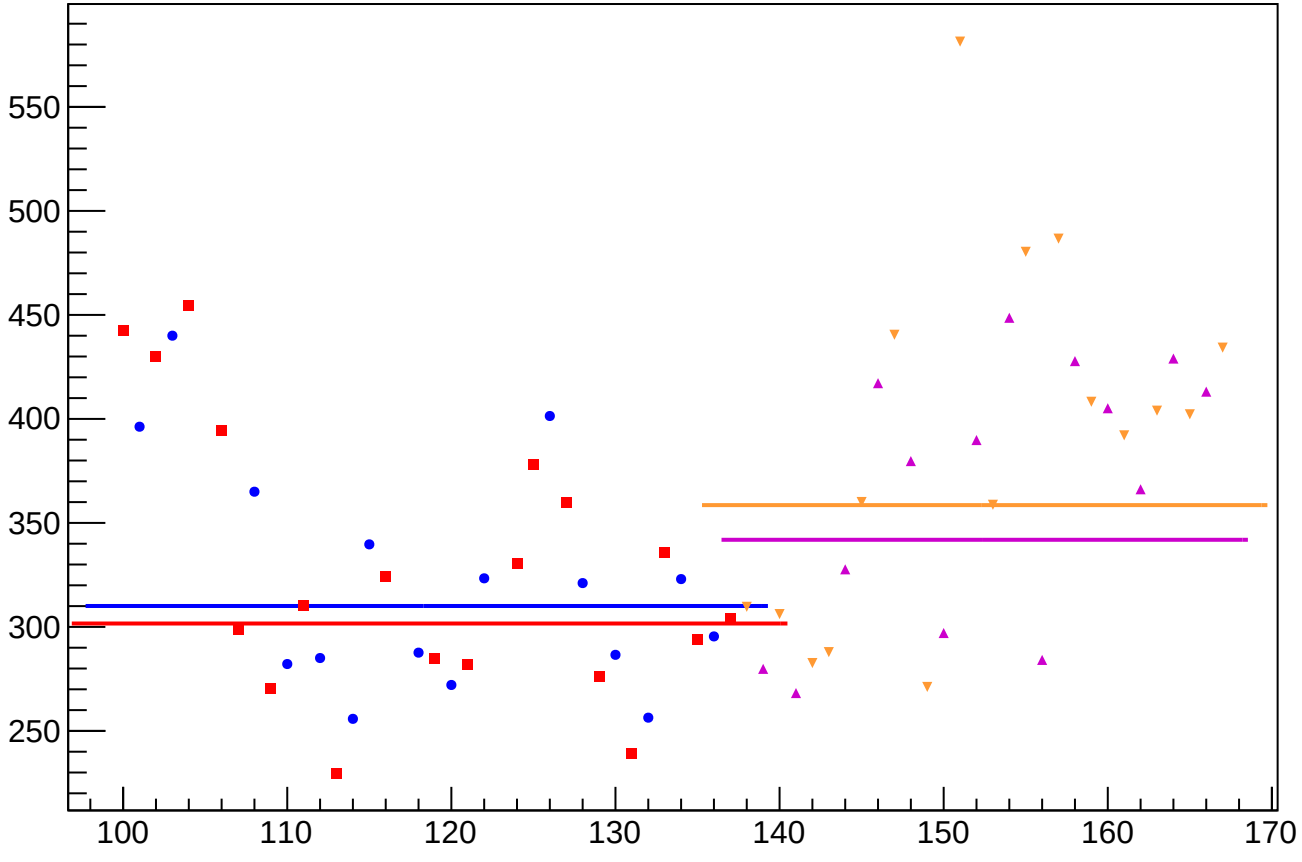
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -127.297+/-77.818 χ^2/NDF:493.7/29

Out: 276.341+/-76.500 χ^2/NDF:869.6/34

All: 77.969+/-54.554 χ^2/NDF: 1376.9/64

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 358.557+/-0.073 χ^2/NDF:1059359.1/15

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 341.889+/-0.073 χ^2/NDF:718341.0/13

Left: 350.202+/-0.052 χ^2/NDF: 1803519.3/29

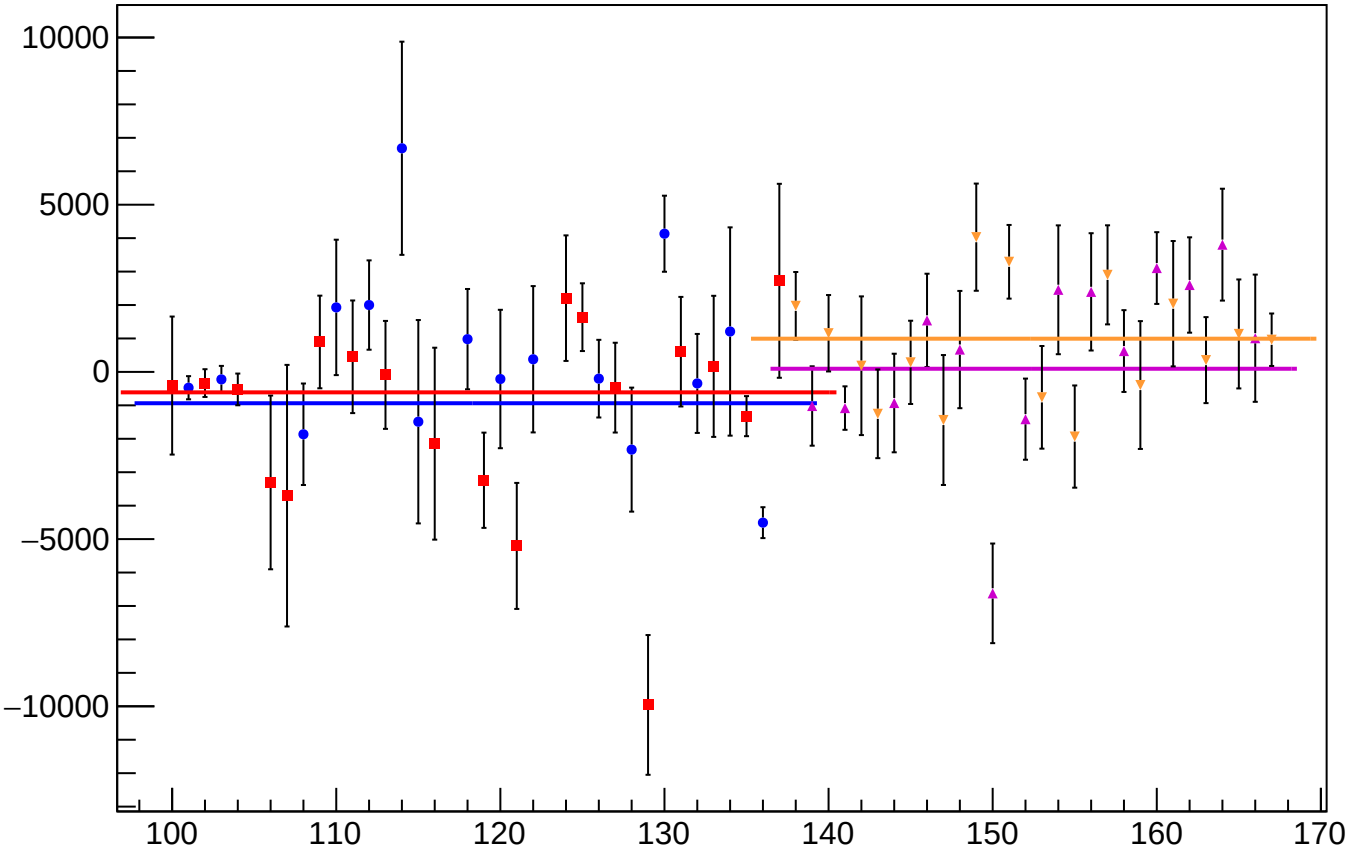
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 328.021+/-0.055 χ^2/NDF:1123882.9/29

Out: 332.520+/-0.054 χ^2/NDF:1854041.1/34

All: 330.309+/-0.039 χ^2/NDF: 2981324.0/64

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 993.248+/-330.798 χ^2/NDF:21.5/15

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: 94.125+/-337.810 χ^2/NDF:47.2/13

Left: 553.115+/-236.350 χ^2/NDF: 72.4/29

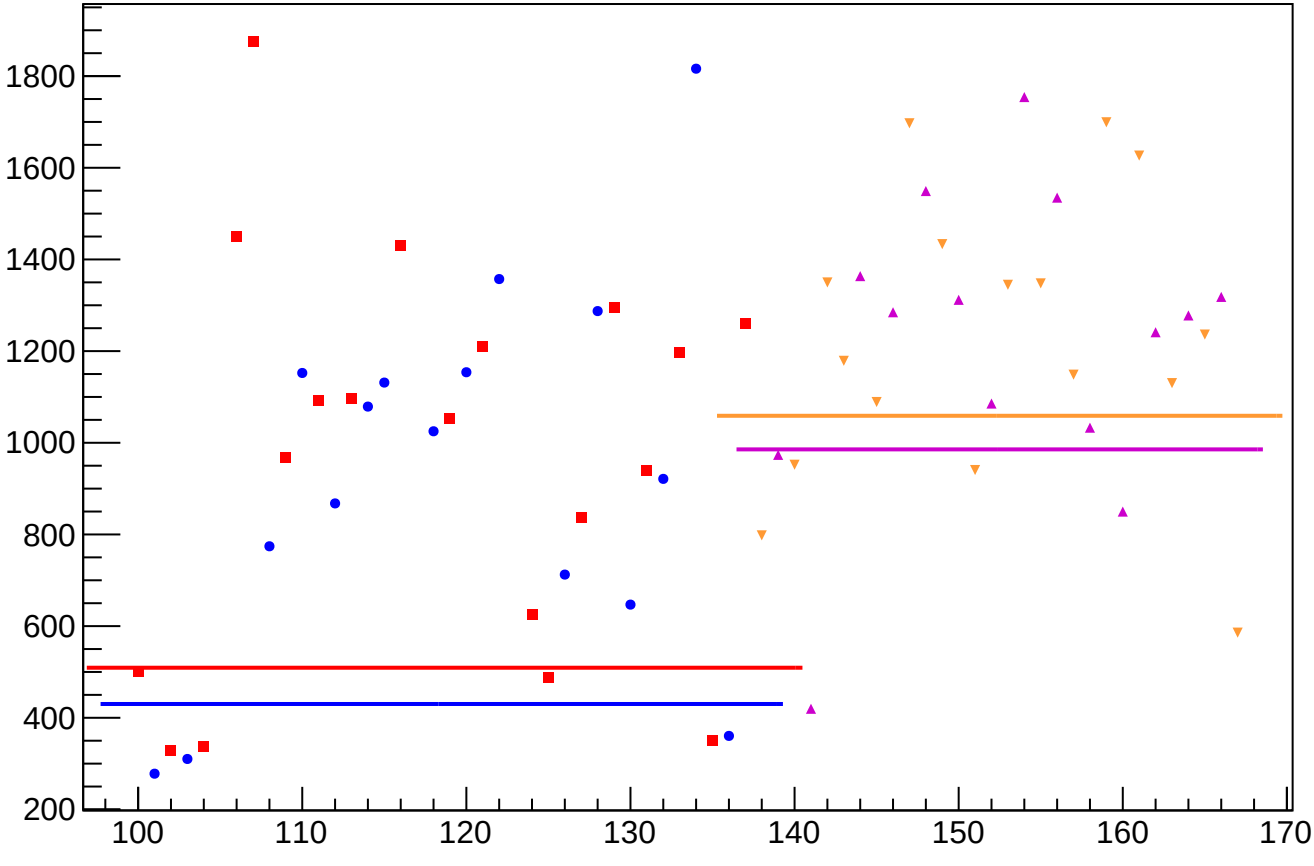
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -659.998+/-175.077 χ^2/NDF:155.2/29

Out: -79.031+/-190.569 χ^2/NDF:81.4/34

All: -394.085+/-128.928 χ^2/NDF: 241.7/64

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1058.909+/-0.234 χ^2/NDF:1868407.1/15

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 985.593+/-0.239 χ^2/NDF:2791758.3/13

Left: 1023.020+/-0.167 χ^2/NDF: 4708256.4/29

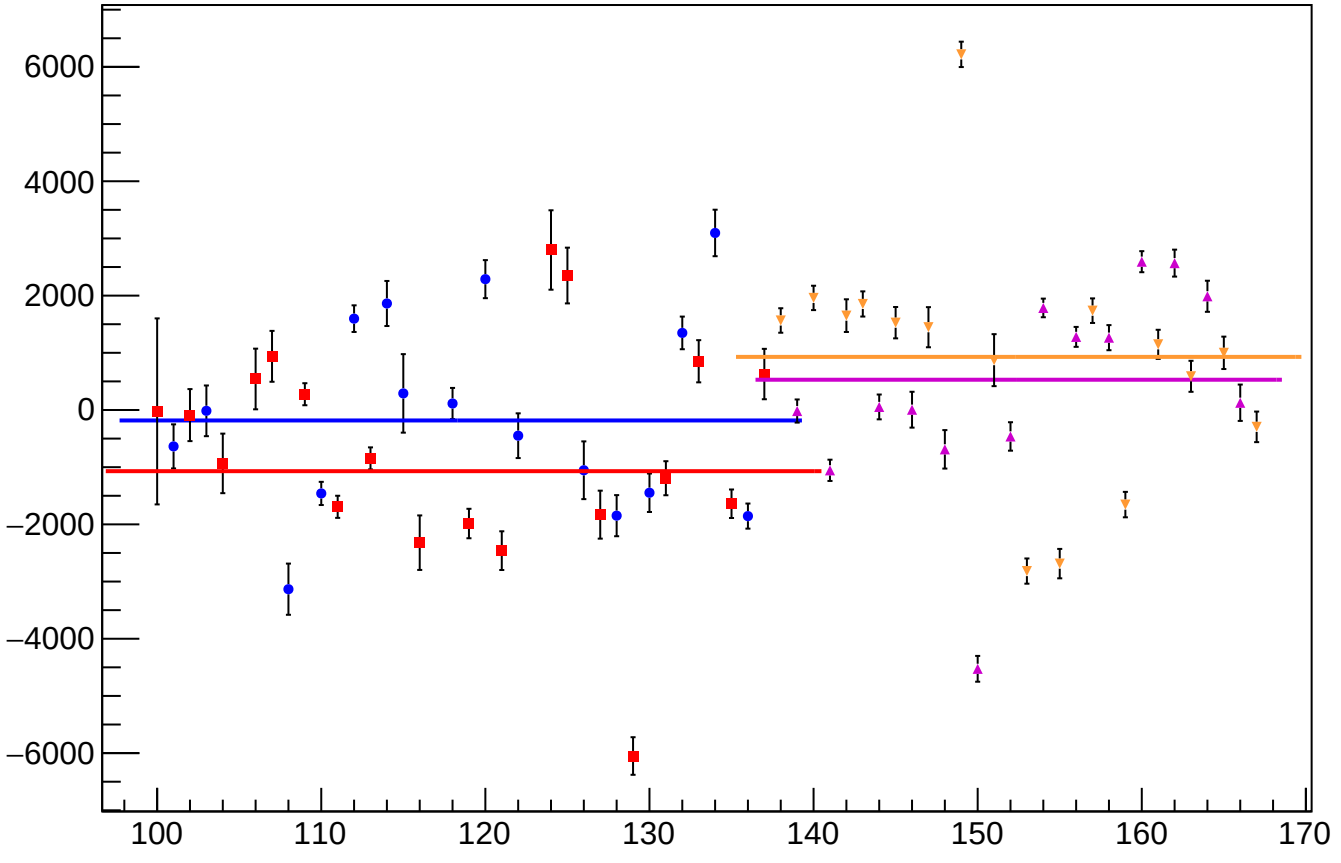
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 579.316+/-0.124 χ^2/NDF:10268912.8/29

Out: 691.661+/-0.135 χ^2/NDF:9231339.6/34

All: 630.737+/-0.091 χ^2/NDF: 19877186.3/64

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 928.720+/-62.453 χ^2/NDF:1289.7/15

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 529.168+/-58.546 χ^2/NDF:938.8/13

Left: 716.055+/-42.713 χ^2/NDF: 2250.3/29

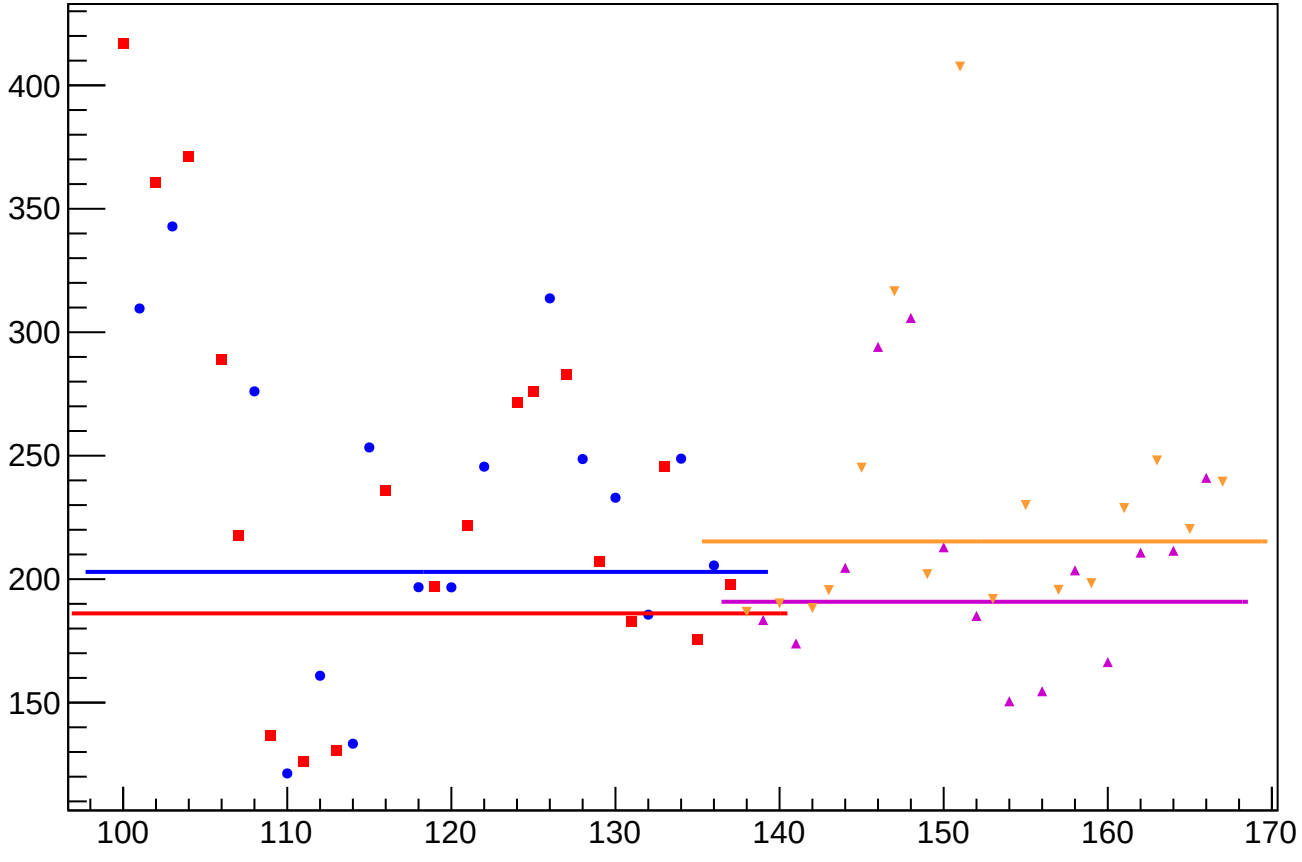
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 280.220+/-47.218 χ^2/NDF:1408.2/29

Out: 84.968+/-47.473 χ^2/NDF:2214.3/34

All: 183.120+/-33.478 χ^2/NDF: 3631.0/64

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.277+/-0.044 χ^2/NDF:762001.0/15

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 190.838+/-0.041 χ^2/NDF:824439.2/13

Left: 202.269+/-0.030 χ^2/NDF: 1749439.9/29

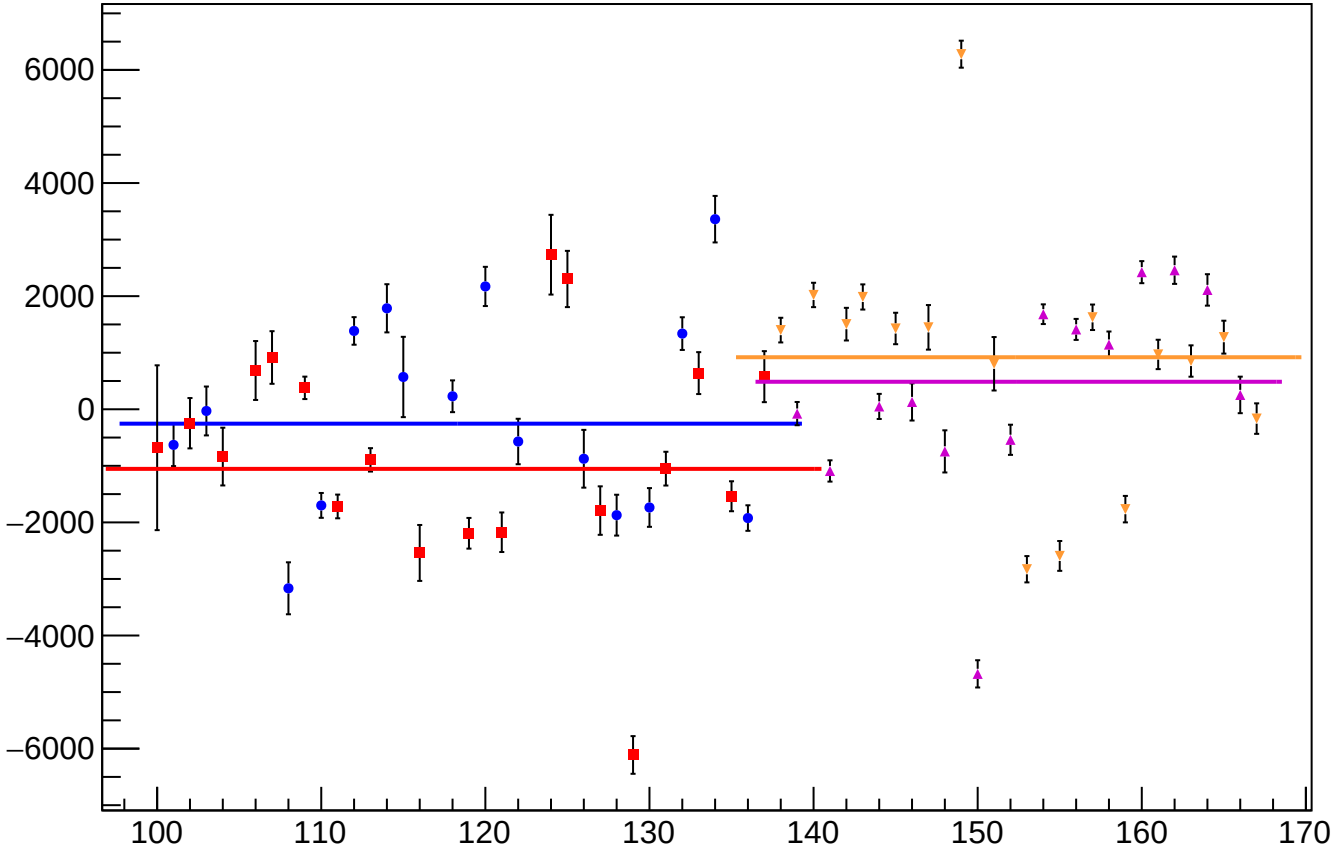
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 195.069+/-0.033 χ^2/NDF:1926175.1/29

Out: 202.970+/-0.034 χ^2/NDF:2427594.6/34

All: 198.998+/-0.024 χ^2/NDF: 4381622.3/64

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 920.042+/-64.510 χ^2/NDF:1162.8/15

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 486.357+/-61.228 χ^2/NDF:848.3/13

Left: 691.887+/-44.410 χ^2/NDF: 2034.8/29

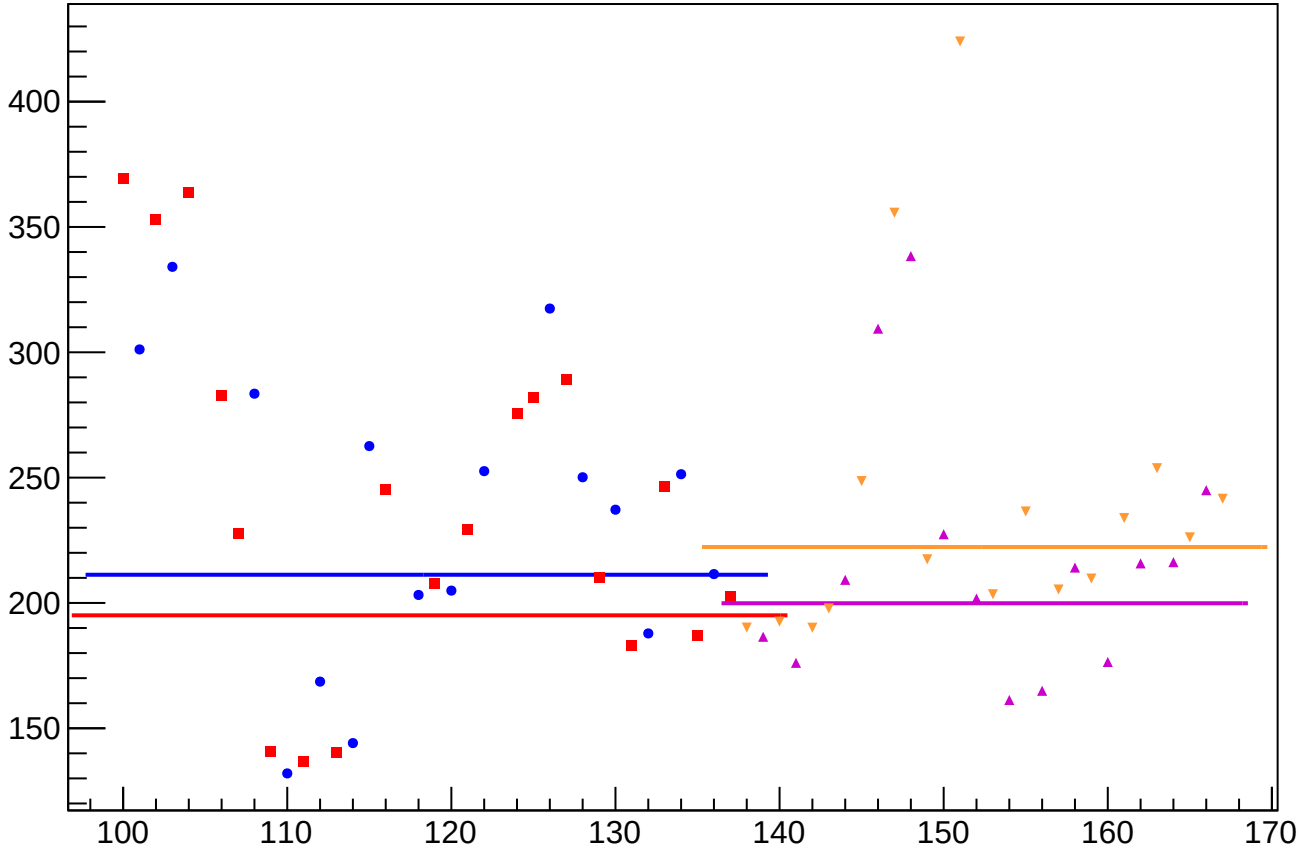
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 223.195+/-49.165 χ^2/NDF:1309.5/29

Out: 93.095+/-49.173 χ^2/NDF:2032.6/34

All: 158.156+/-34.768 χ^2/NDF: 3345.7/64

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 222.313+/-0.046 χ^2/NDF:819102.0/15

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 199.885+/-0.043 χ^2/NDF:828902.8/13

Left: 210.514+/-0.031 χ^2/NDF: 1775183.2/29

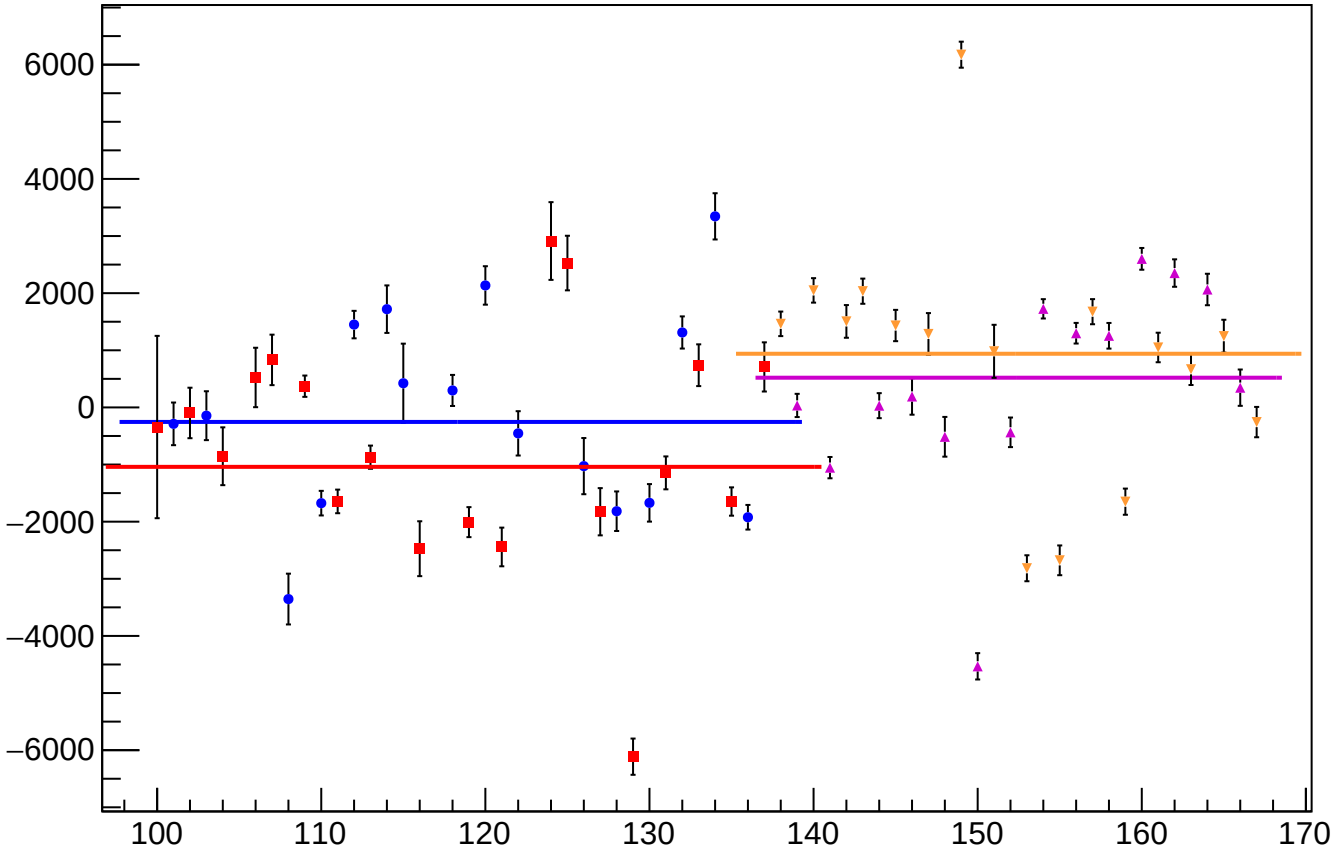
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 203.923+/-0.035 χ^2/NDF:1737760.3/29

Out: 210.895+/-0.035 χ^2/NDF:2253517.0/34

All: 207.409+/-0.025 χ^2/NDF: 4011383.5/64

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 939.434+/-63.342 χ^2/NDF:1220.4/15

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 520.081+/-59.867 χ^2/NDF:874.9/13

Left: 717.941+/-43.509 χ^2/NDF: 2118.4/29

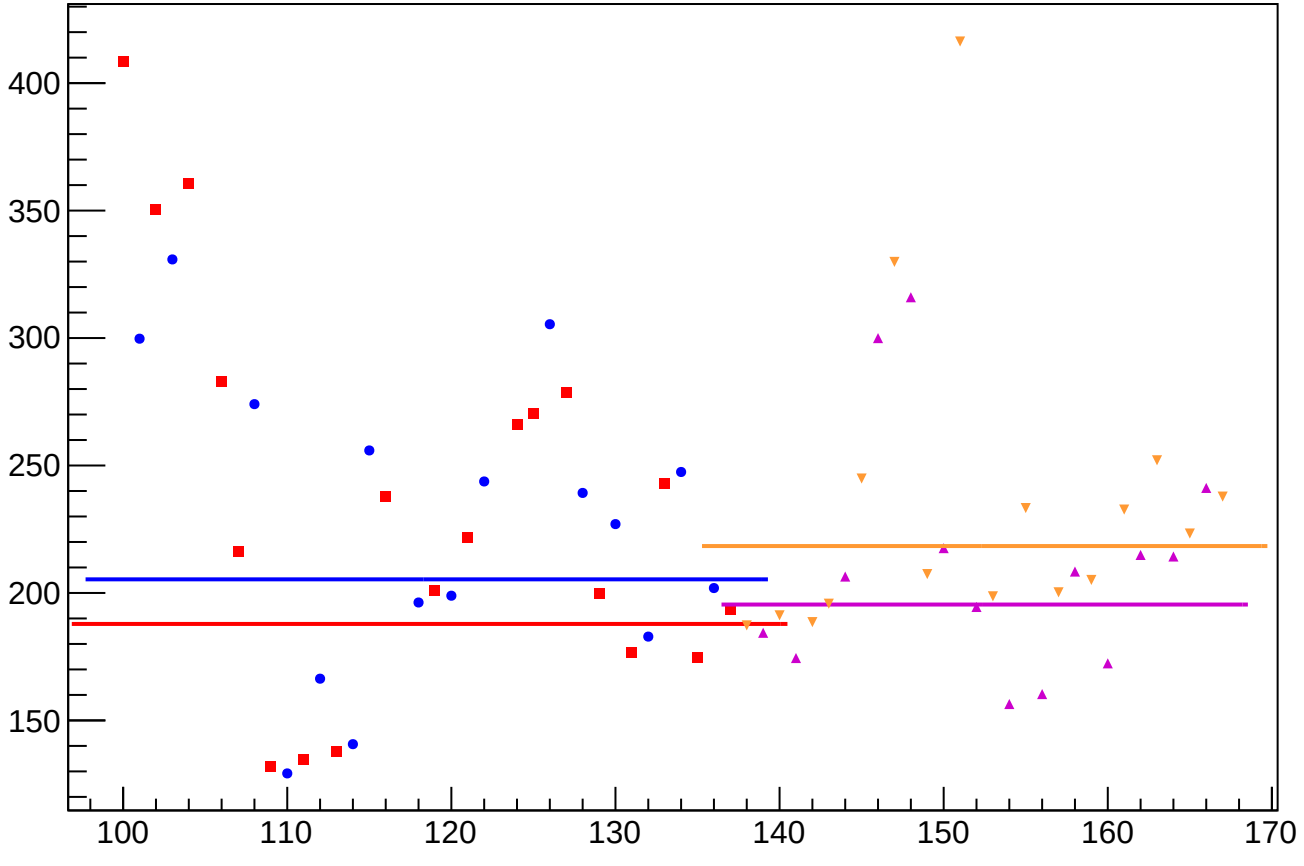
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 243.177+/-47.979 χ^2/NDF:1366.8/29

Out: 93.894+/-47.944 χ^2/NDF:2171.0/34

All: 168.480+/-33.914 χ^2/NDF: 3542.6/64

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 218.400+/-0.045 χ^2/NDF:779296.5/15

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 195.458+/-0.042 χ^2/NDF:791404.2/13

Left: 206.283+/-0.031 χ^2/NDF: 1709276.1/29

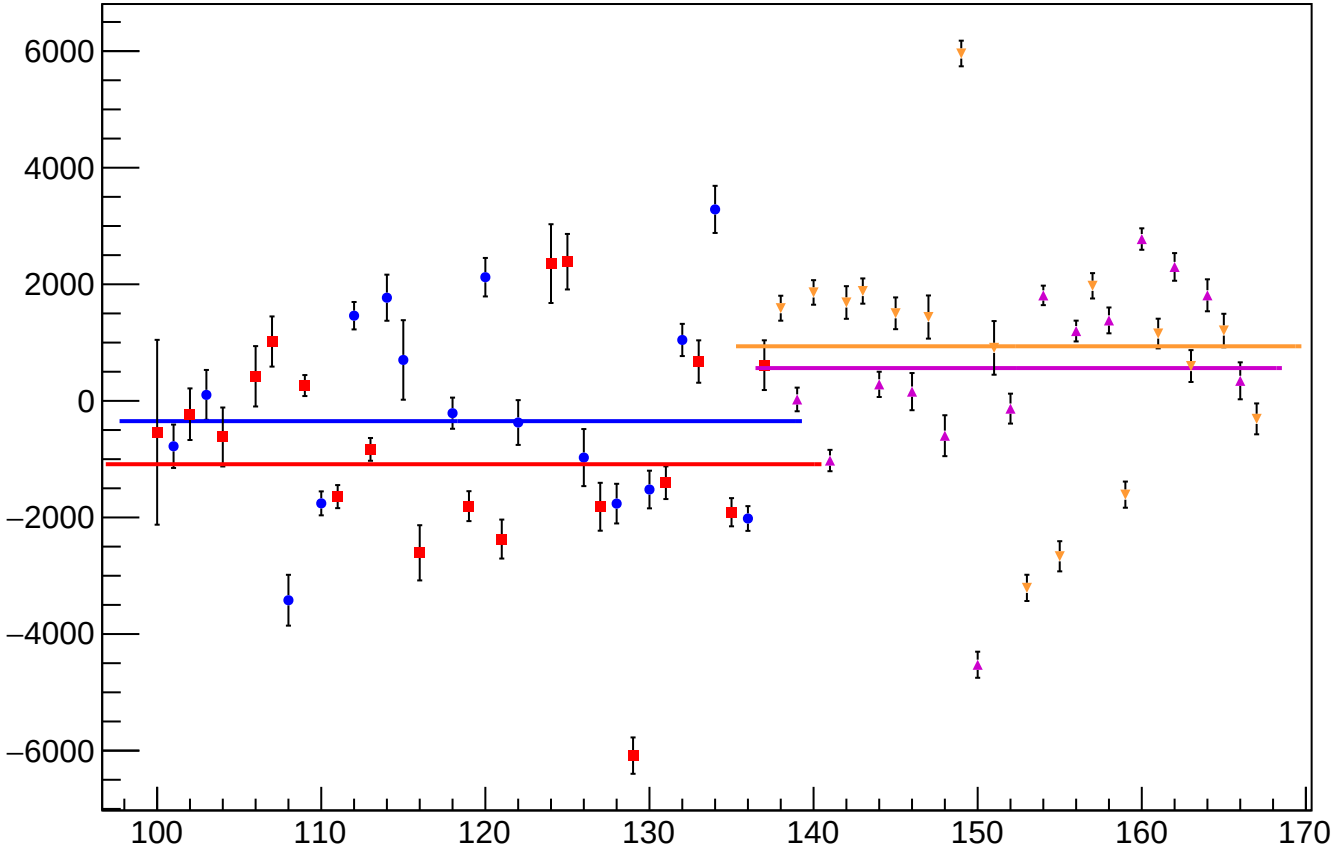
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 198.993+/-0.034 χ^2/NDF:1688298.8/29

Out: 205.352+/-0.034 χ^2/NDF:2315065.1/34

All: 202.175+/-0.024 χ^2/NDF: 4020939.4/64

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 936.474+/-62.572 χ^2/NDF:1292.2/15

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 562.587+/-59.072 χ^2/NDF:921.8/13

Left: 738.783+/-42.954 χ^2/NDF: 2232.9/29

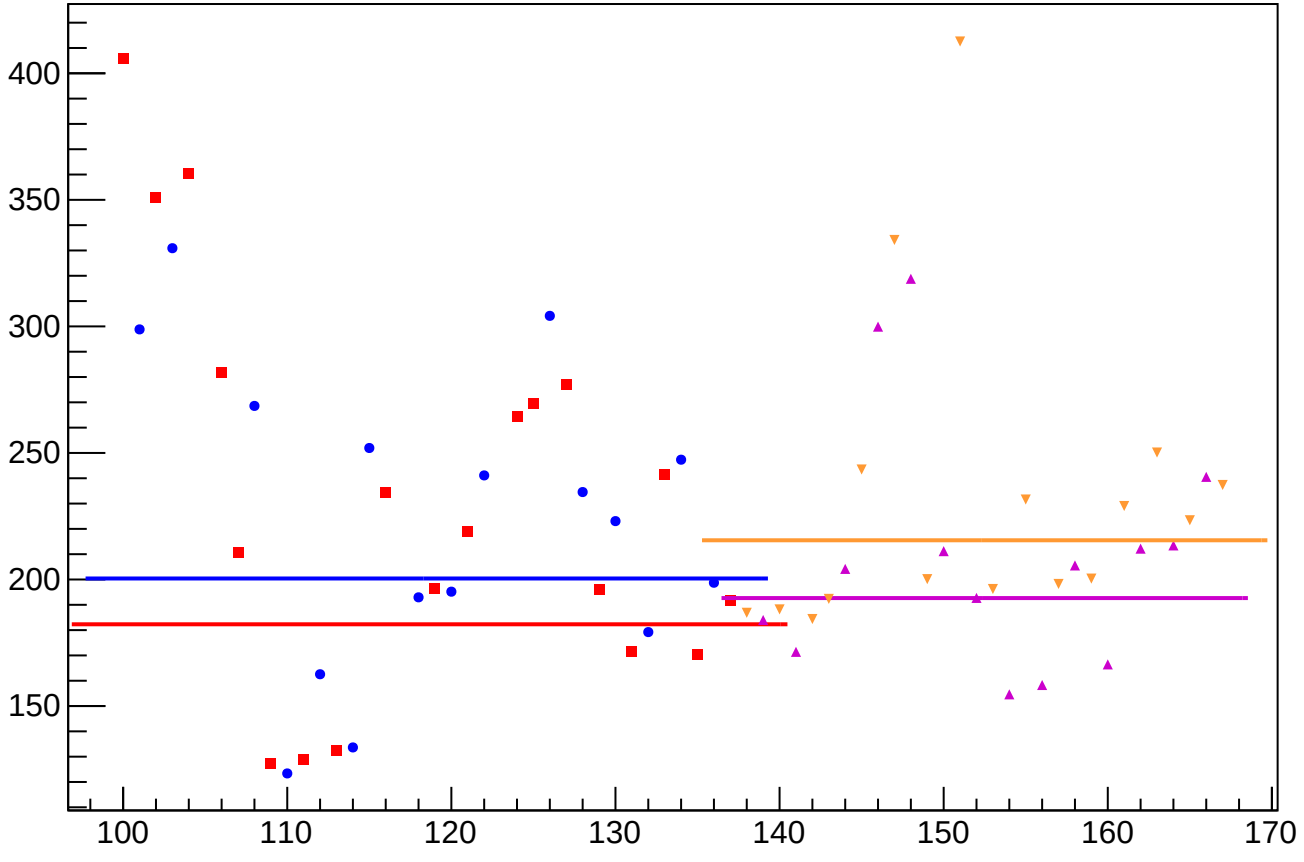
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 233.849+/-47.216 χ^2/NDF:1453.4/29

Out: 59.583+/-47.098 χ^2/NDF:2272.5/34

All: 146.499+/-33.345 χ^2/NDF: 3732.7/64

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 215.494+/-0.044 χ^2/NDF:816885.2/15

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 192.661+/-0.042 χ^2/NDF:829945.8/13

Left: 203.421+/-0.030 χ^2/NDF: 1787642.2/29

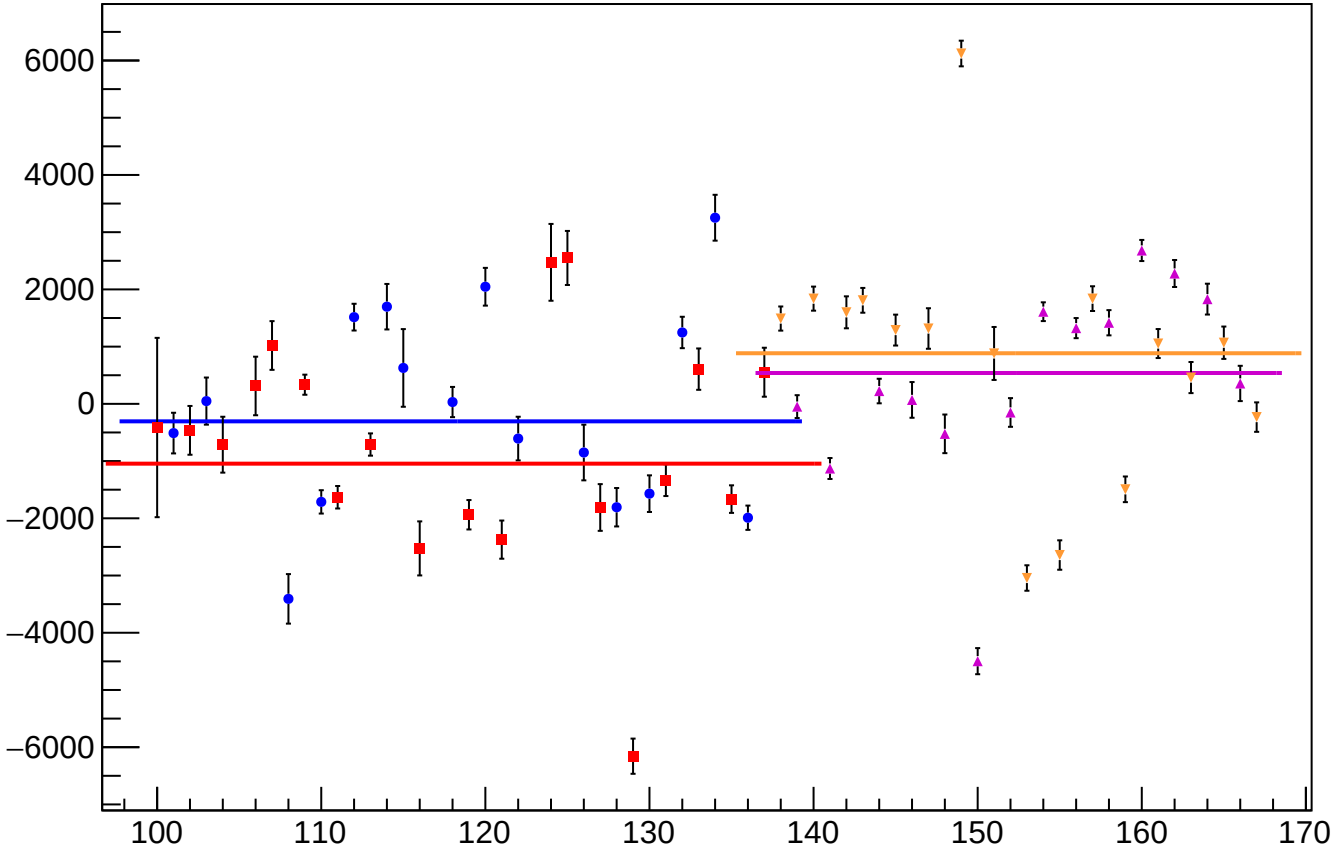
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 195.456+/-0.033 χ^2/NDF:1801338.8/29

Out: 201.107+/-0.033 χ^2/NDF:2508018.2/34

All: 198.288+/-0.024 χ^2/NDF: 4323720.3/64

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 884.374+/-62.158 χ^2/NDF:1256.5/15

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 539.290+/-58.466 χ^2/NDF:891.3/13

Left: 701.278+/-42.587 χ^2/NDF: 2164.2/29

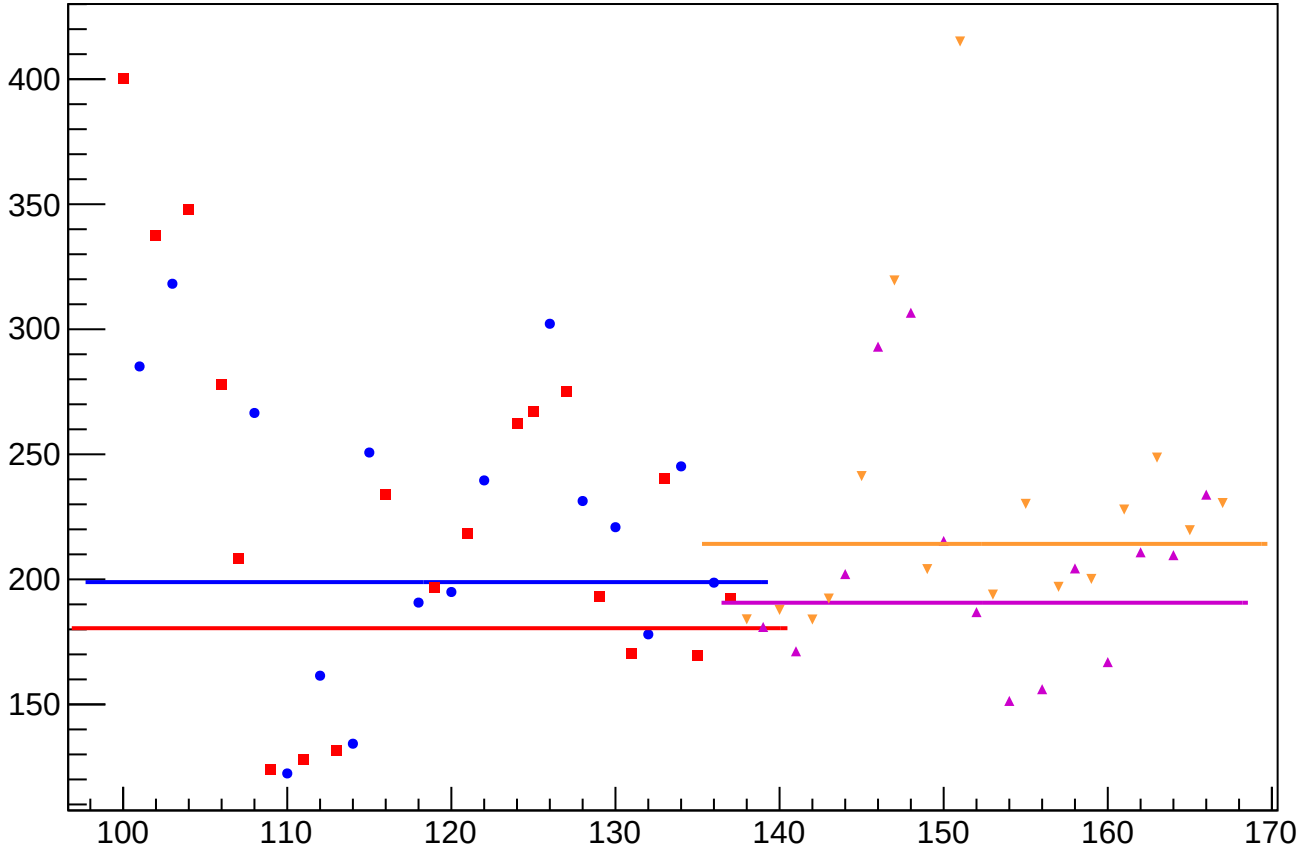
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 234.683+/-46.754 χ^2/NDF:1418.4/29

Out: 44.817+/-46.717 χ^2/NDF:2227.9/34

All: 139.676+/-33.047 χ^2/NDF: 3654.6/64

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 214.188+/-0.044 χ^2/NDF:785782.8/15

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 190.655+/-0.041 χ^2/NDF:804755.4/13

Left: 201.702+/-0.030 χ^2/NDF: 1742635.9/29

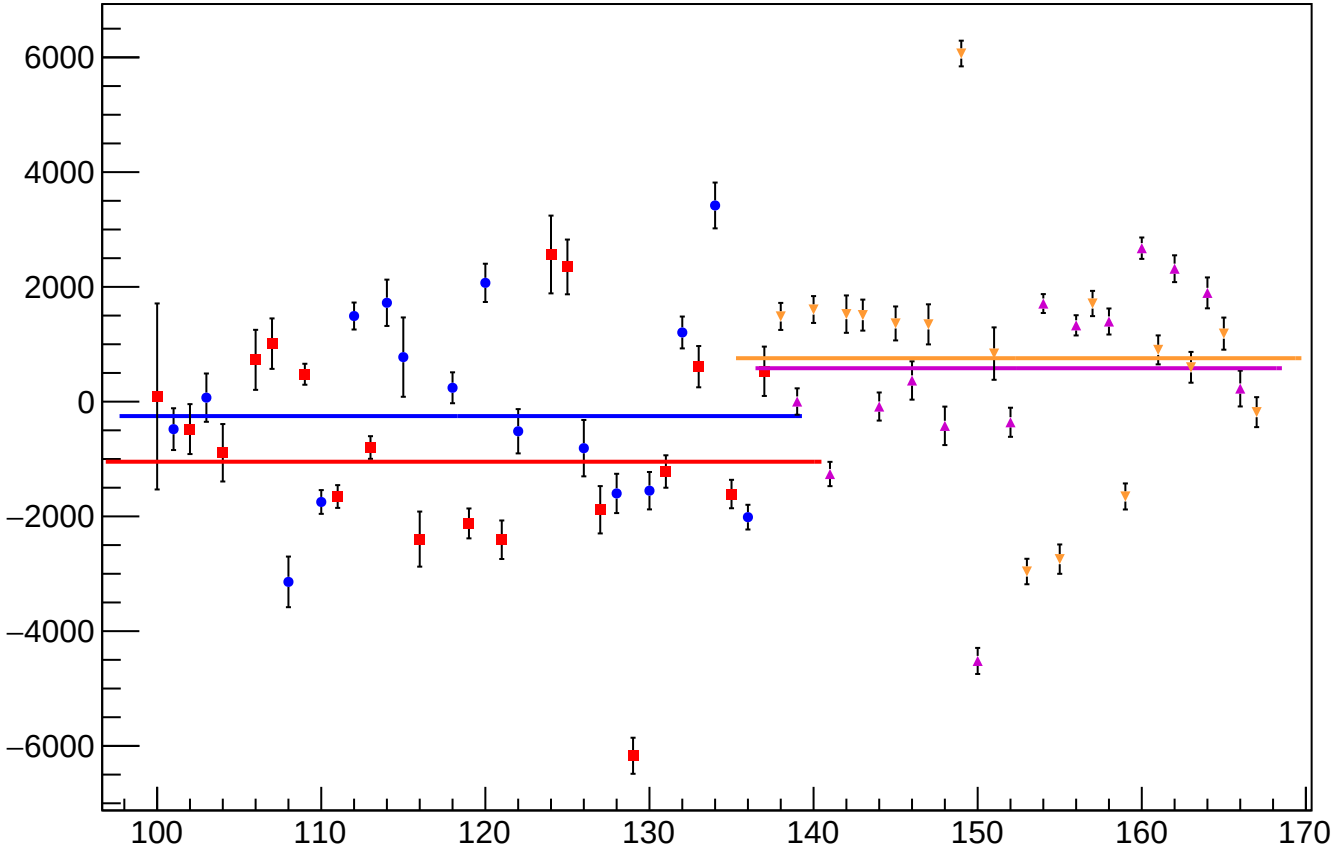
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 193.629+/-0.033 χ^2/NDF:1731867.4/29

Out: 199.518+/-0.033 χ^2/NDF:2476245.2/34

All: 196.576+/-0.023 χ^2/NDF: 4223992.3/64

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 757.117+/-65.040 χ^2/NDF:1220.8/15

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 582.489+/-60.824 χ^2/NDF:901.2/13

Left: 663.959+/-44.425 χ^2/NDF: 2125.9/29

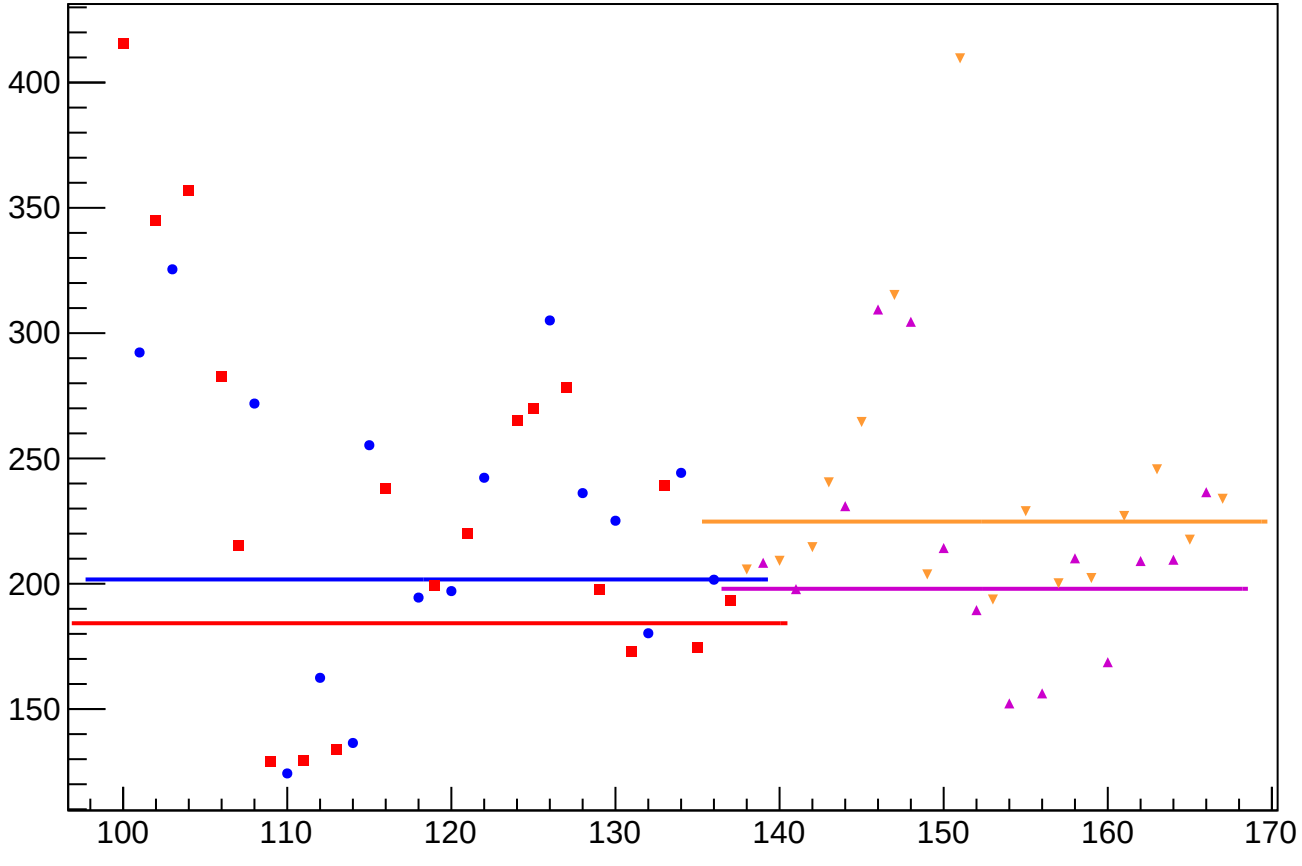
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 271.868+/-48.188 χ^2/NDF:1412.5/29

Out: -51.262+/-48.321 χ^2/NDF:2112.3/34

All: 110.747+/-34.121 χ^2/NDF: 3547.2/64

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.808+/-0.046 χ^2/NDF:646686.6/15

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 197.988+/-0.043 χ^2/NDF:837708.9/13

Left: 210.501+/-0.031 χ^2/NDF: 1665814.2/29

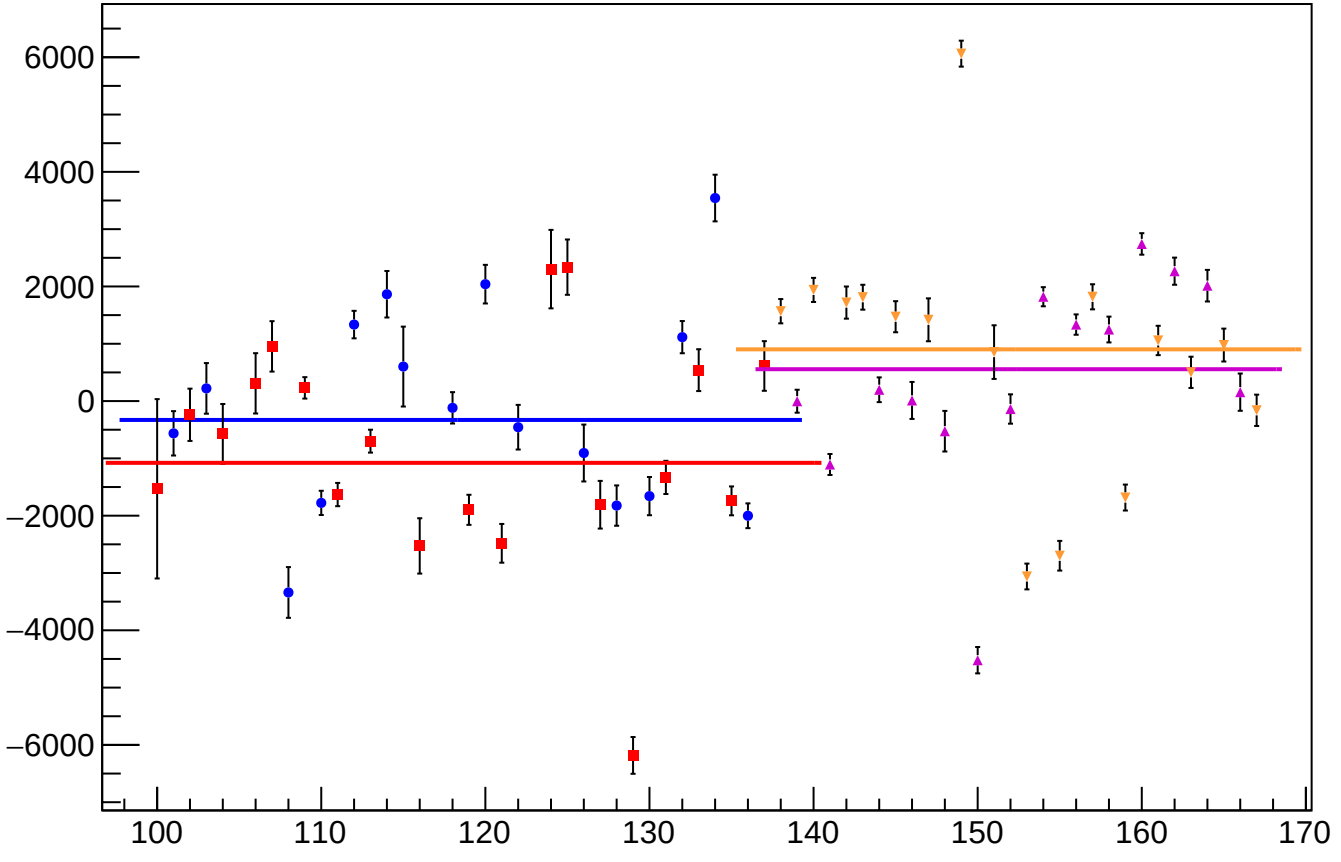
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 199.375+/-0.034 χ^2/NDF:1764712.4/29

Out: 206.634+/-0.034 χ^2/NDF:2399001.1/34

All: 202.994+/-0.024 χ^2/NDF: 4186339.0/64

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 902.625+/-62.891 χ^2/NDF:1254.3/15

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 556.070+/-59.314 χ^2/NDF:903.6/13

Left: 719.212+/-43.150 χ^2/NDF: 2173.9/29

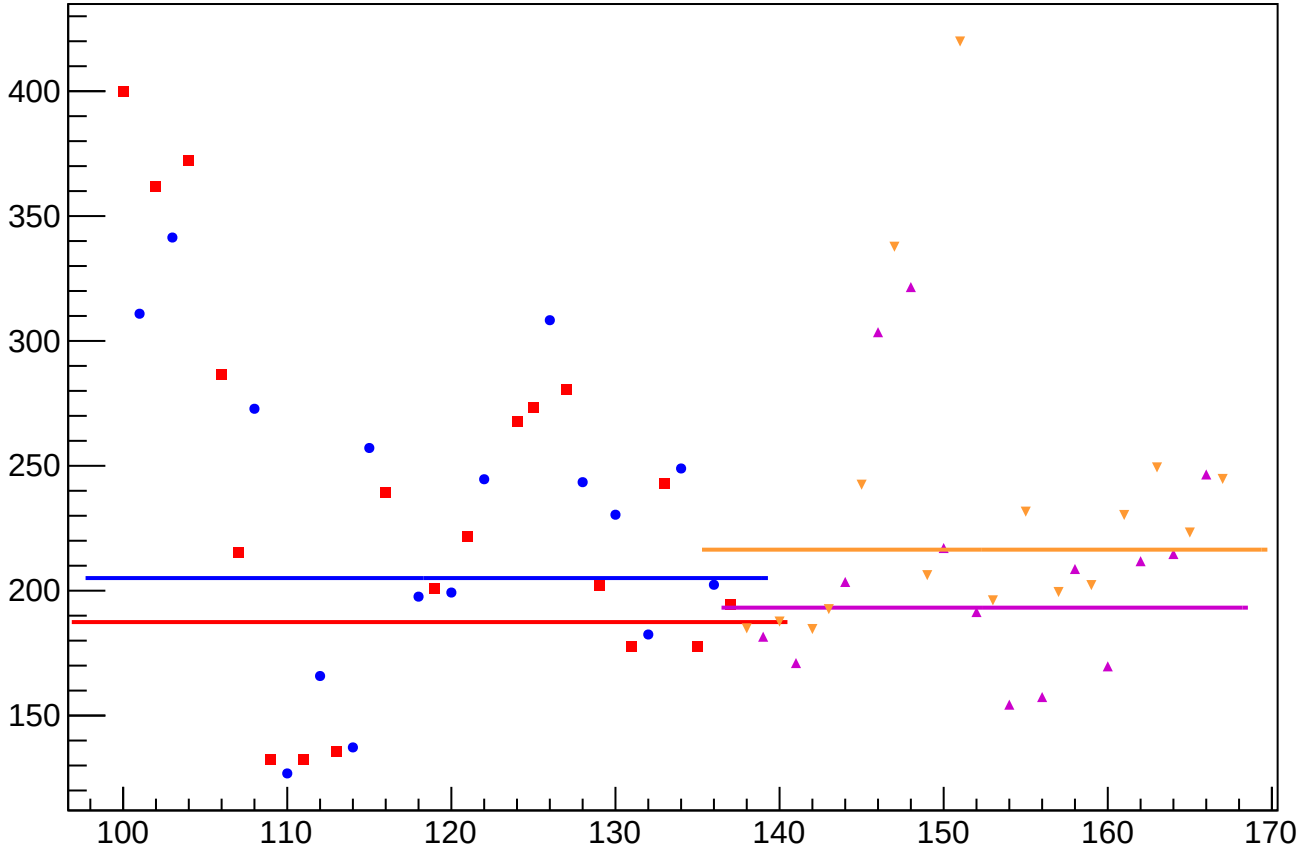
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 243.841+/-47.724 χ^2/NDF:1418.6/29

Out: 64.240+/-47.759 χ^2/NDF:2176.0/34

All: 154.107+/-33.758 χ^2/NDF: 3601.7/64

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 216.427+/-0.044 χ^2/NDF:842583.9/15

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 193.205+/-0.042 χ^2/NDF:867111.3/13

Left: 204.137+/-0.031 χ^2/NDF: 1854010.2/29

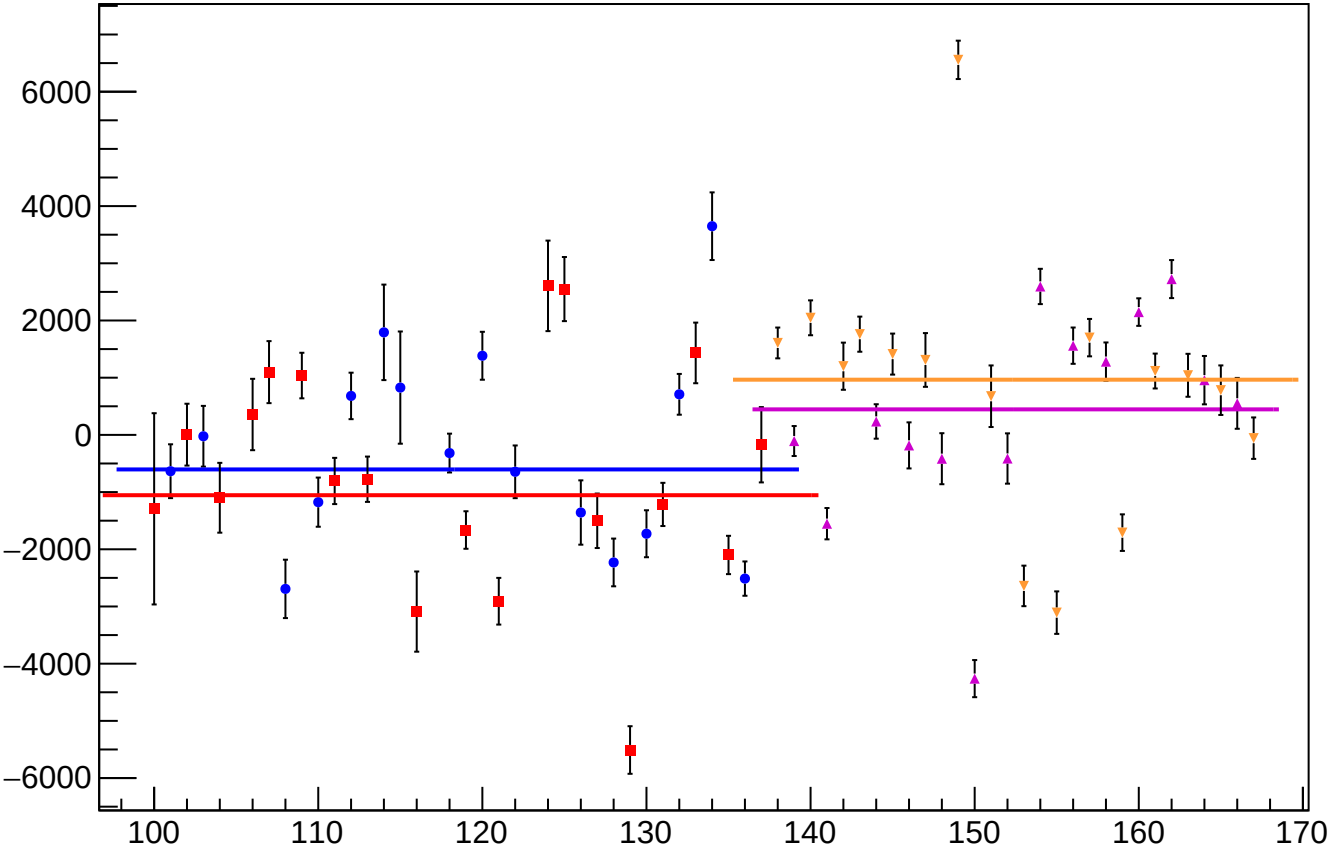
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 197.383+/-0.034 χ^2/NDF:1858302.0/29

Out: 204.153+/-0.034 χ^2/NDF:2433353.6/34

All: 200.765+/-0.024 χ^2/NDF: 4311762.5/64

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 965.116+/-87.432 χ^2/NDF:612.7/15

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 446.195+/-87.351 χ^2/NDF:443.9/13

Left: 705.417+/-61.795 χ^2/NDF: 1074.2/29

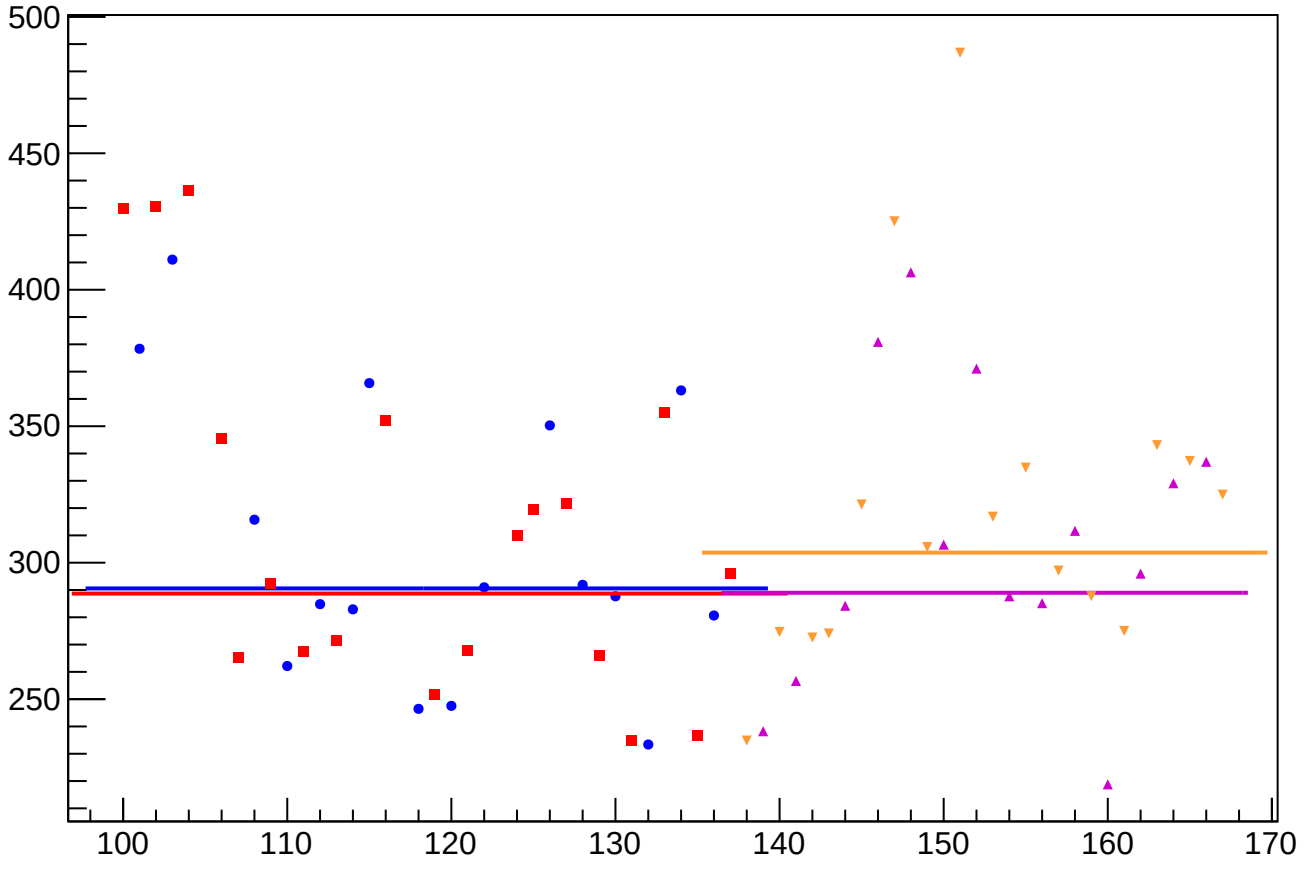
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 43.233+/-68.572 χ^2/NDF:692.9/29

Out: 167.868+/-68.020 χ^2/NDF:1121.0/34

All: 106.053+/-48.291 χ^2/NDF: 1815.6/64

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 303.699+/-0.062 χ^2/NDF:629991.5/15

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 288.982+/-0.062 χ^2/NDF:643121.1/13

Left: 296.333+/-0.044 χ^2/NDF: 1301471.9/29

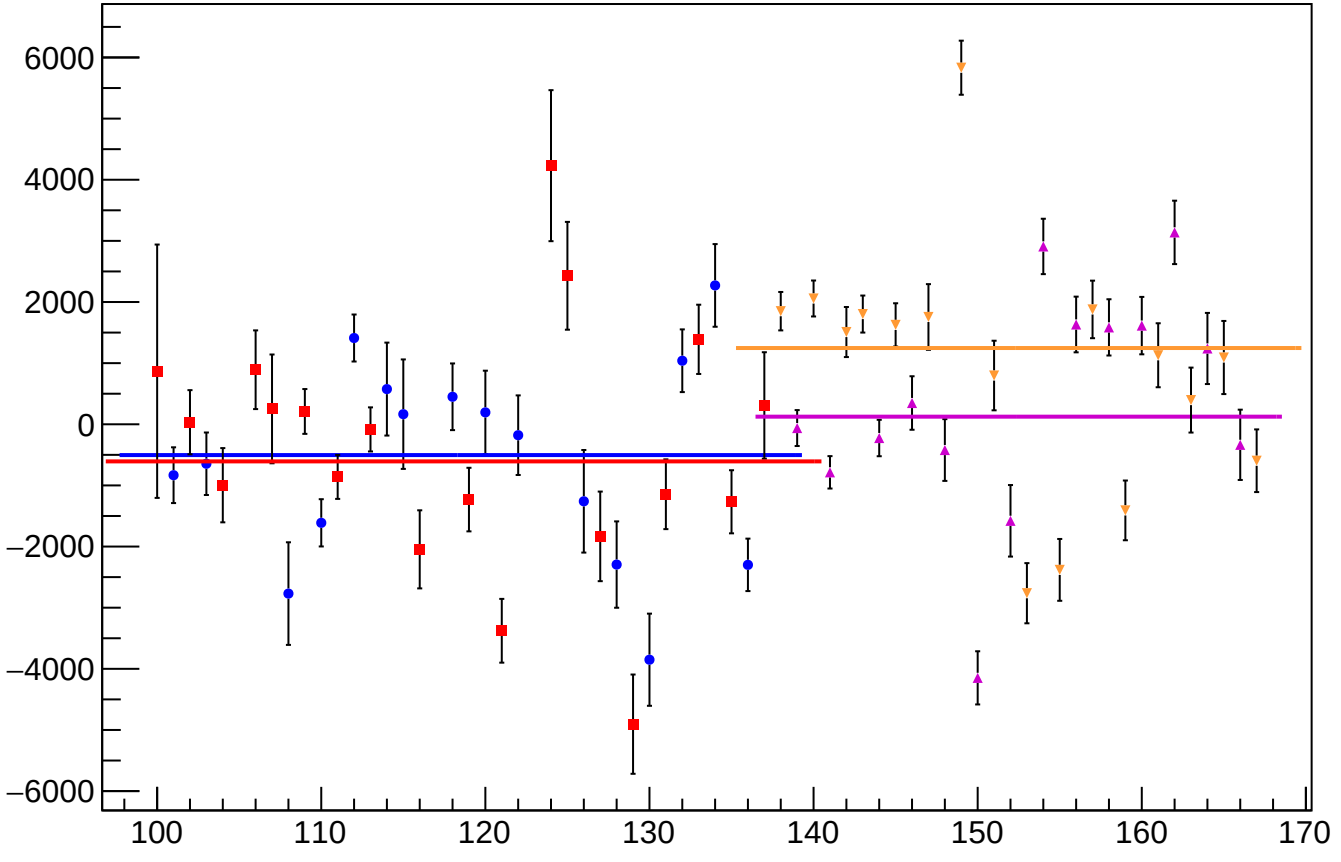
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 289.590+/-0.048 χ^2/NDF:1003180.8/29

Out: 297.772+/-0.048 χ^2/NDF:1142362.7/34

All: 293.714+/-0.034 χ^2/NDF: 2159898.2/64

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1247.358+/-106.148 χ^2/NDF:290.0/15

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 124.651+/-109.700 χ^2/NDF:226.9/13

Left: 704.471+/-76.283 χ^2/NDF: 571.1/29

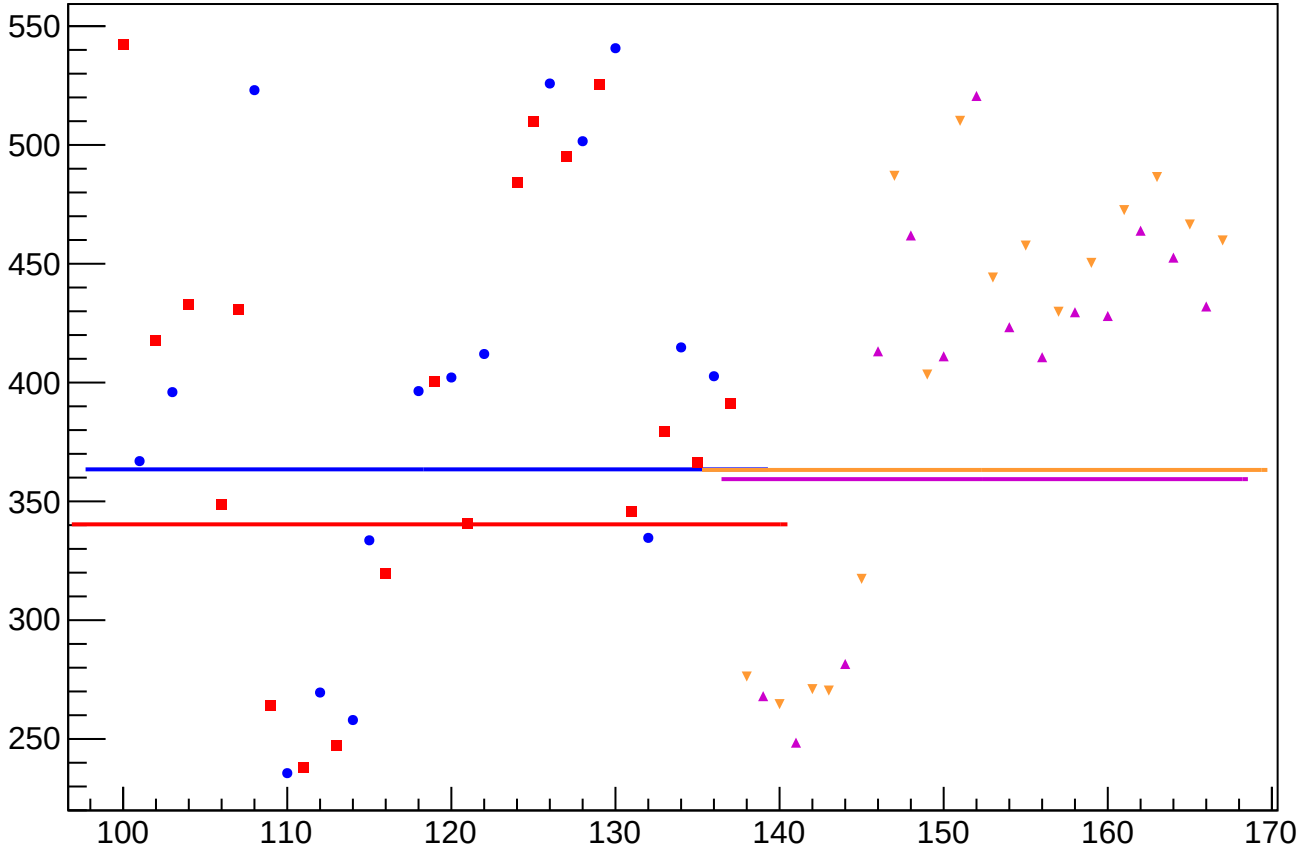
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -114.251+/-86.362 χ^2/NDF:357.6/29

Out: 502.945+/-82.122 χ^2/NDF:537.7/34

All: 209.872+/-59.512 χ^2/NDF: 922.2/64

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 363.230+/-0.075 χ^2/NDF:1510071.8/15

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 359.356+/-0.078 χ^2/NDF:1292055.0/13

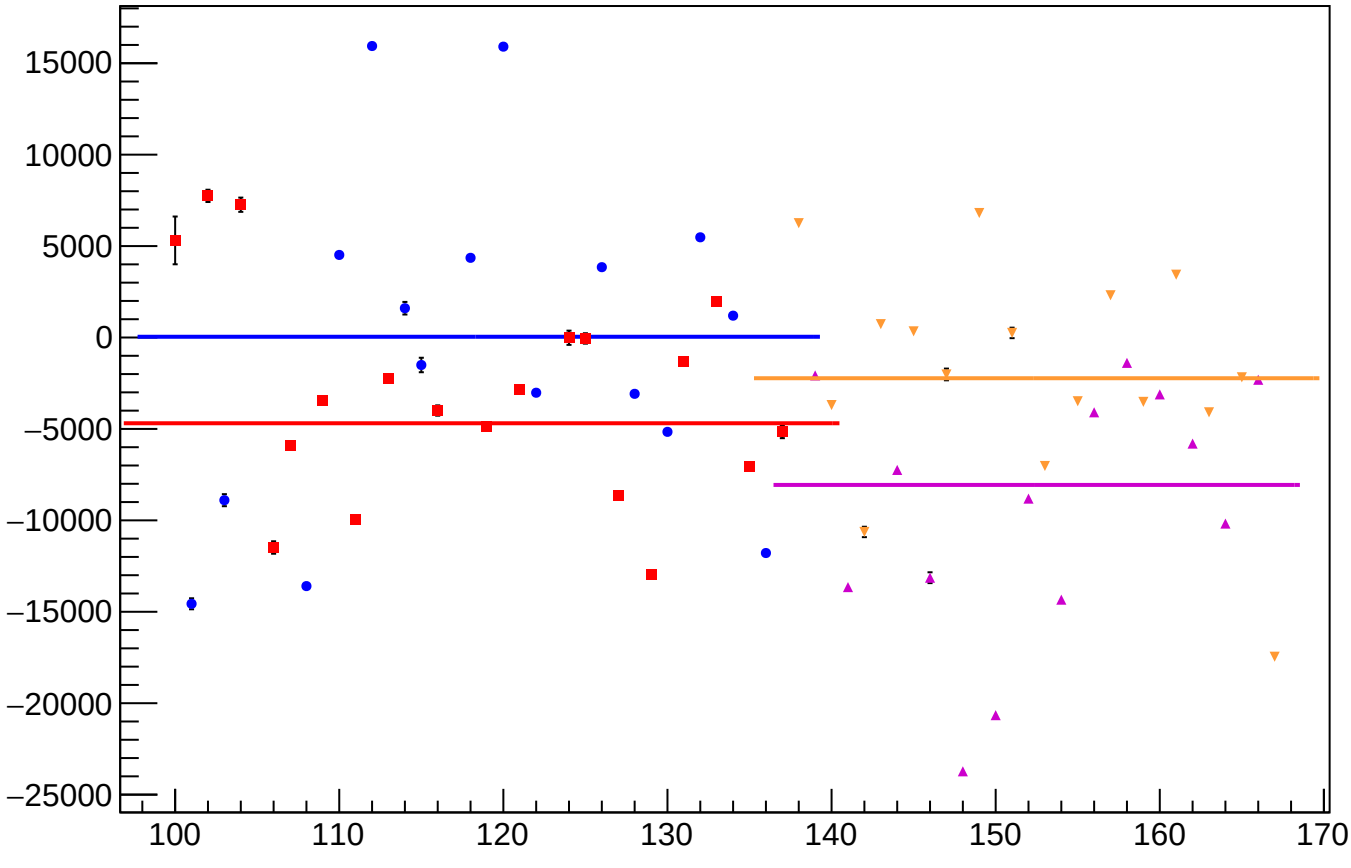
Left: 361.357+/-0.054 χ^2/NDF: 2803415.1/29

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 360.920+/-0.061 χ^2/NDF:2074018.4/29

Out: 354.037+/-0.058 χ^2/NDF:2403664.7/34

All: 357.306+/-0.042 χ^2/NDF: 4484355.0/64



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2227.370+/-48.902 χ^2/NDF:13950.0/15

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8062.432+/-51.817 χ^2/NDF:15120.7/13

Left: -4976.152+/-35.565 χ^2/NDF: 35777.8/29

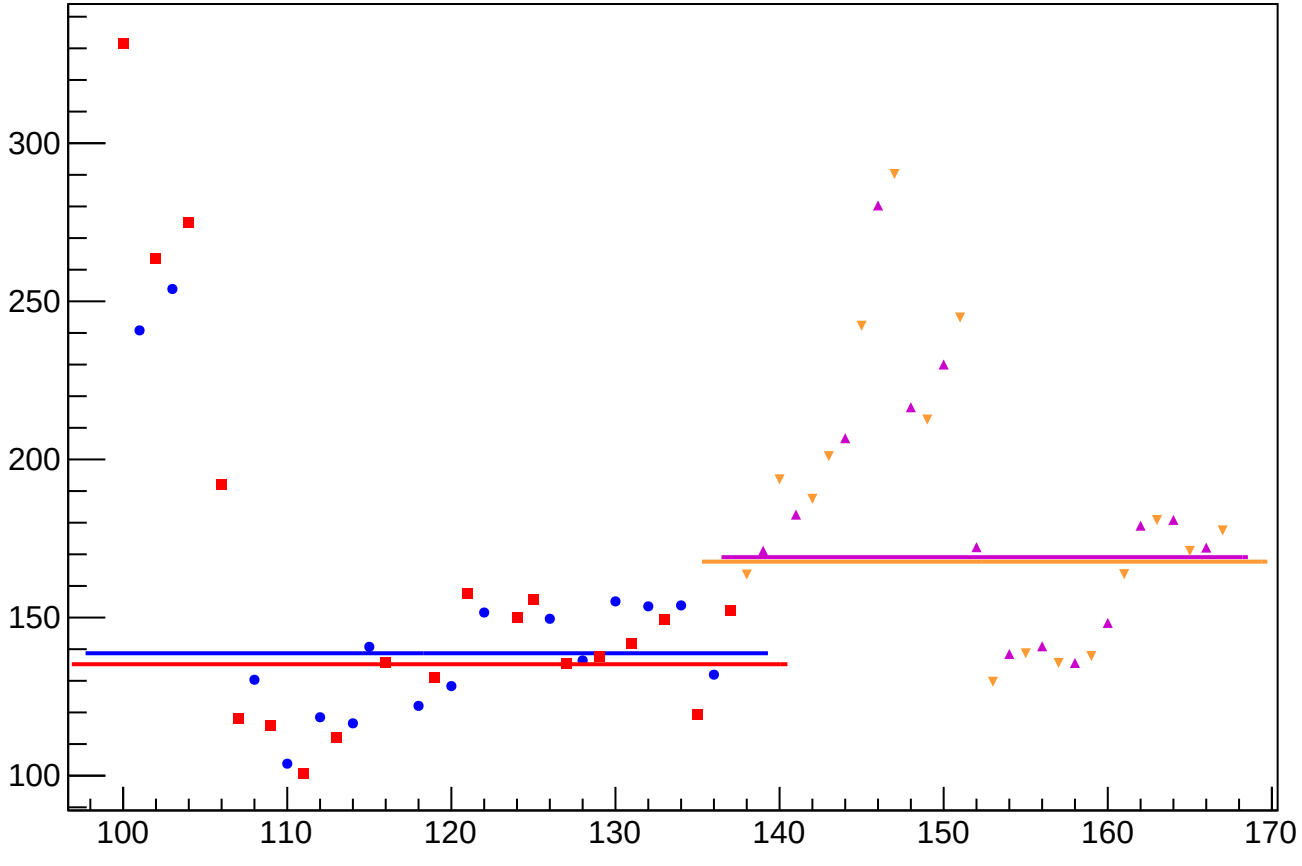
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4192.702+/-37.454 χ^2/NDF:57585.8/29

Out: -3380.768+/-35.654 χ^2/NDF:22933.3/34

All: -3766.761+/-25.824 χ^2/NDF: 80765.6/64

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.683+/-0.035 χ^2/NDF:1142937.2/15

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 169.100+/-0.037 χ^2/NDF:846140.1/13

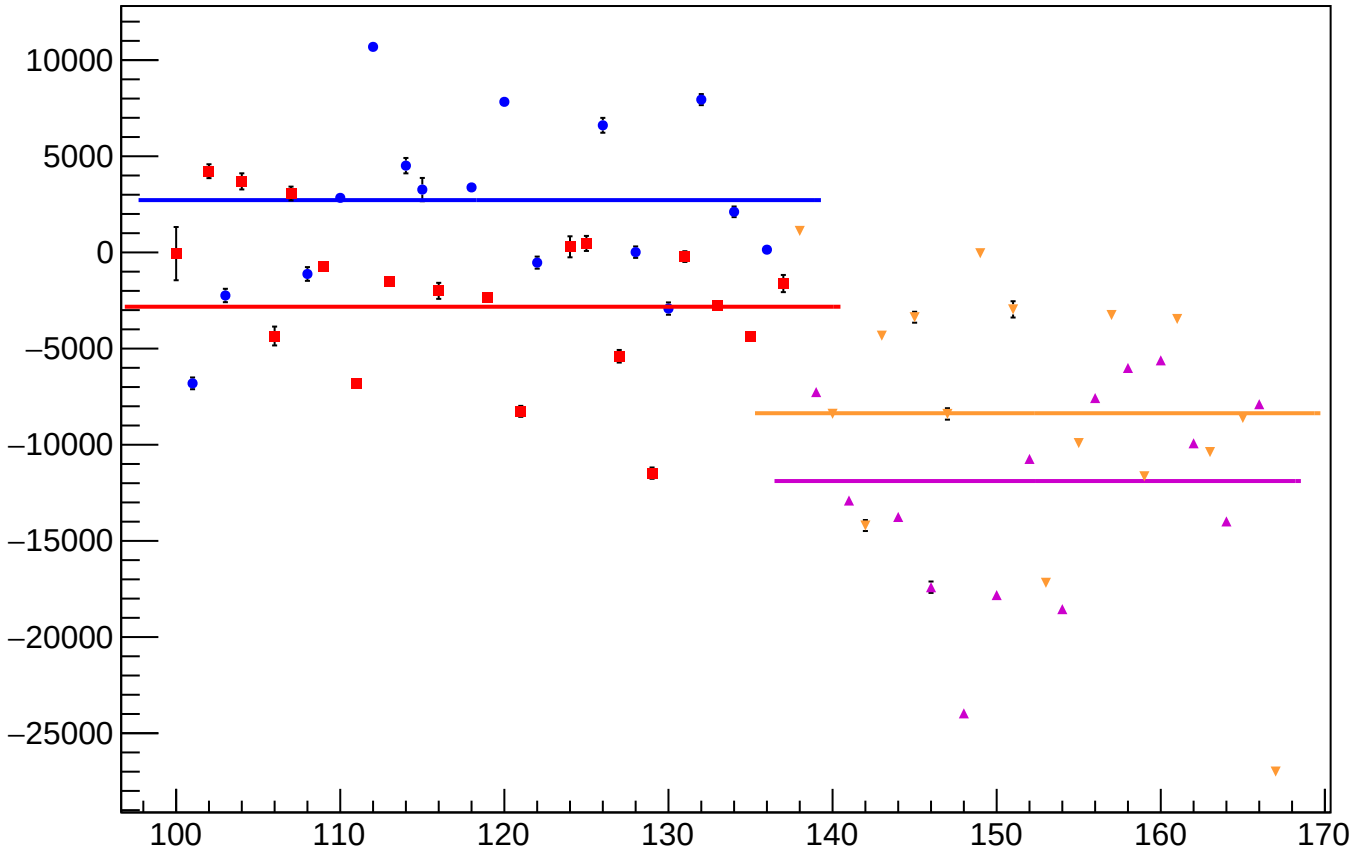
Left: 168.350+/-0.025 χ^2/NDF: 1989868.7/29

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.588+/-0.026 χ^2/NDF:1832405.7/29

Out: 152.488+/-0.025 χ^2/NDF:2445155.6/34

All: 153.487+/-0.018 χ^2/NDF: 4280859.1/64



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8360.995+/-57.492 χ^2/NDF:15638.3/15

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11887.237+/-54.038 χ^2/NDF:9454.8/13

Left: -10233.215+/-39.375 χ^2/NDF: 27090.5/29

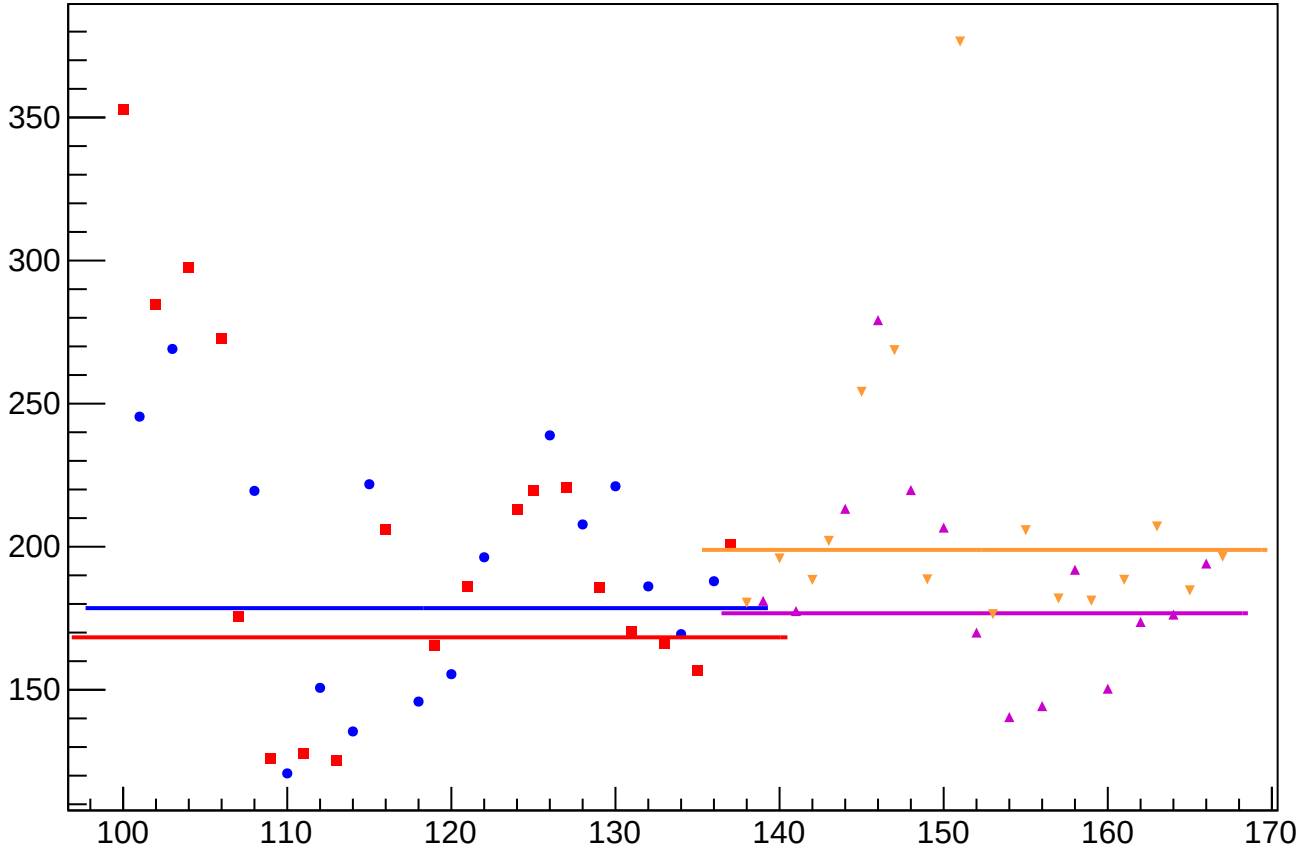
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6358.697+/-42.601 χ^2/NDF:41239.7/29

Out: -5924.191+/-43.020 χ^2/NDF:22783.4/34

All: -6143.569+/-30.271 χ^2/NDF: 64074.6/64

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.898+/-0.041 χ^2/NDF:633316.9/15

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 176.746+/-0.038 χ^2/NDF:657381.7/13

Left: 187.137+/-0.028 χ^2/NDF: 1448356.0/29

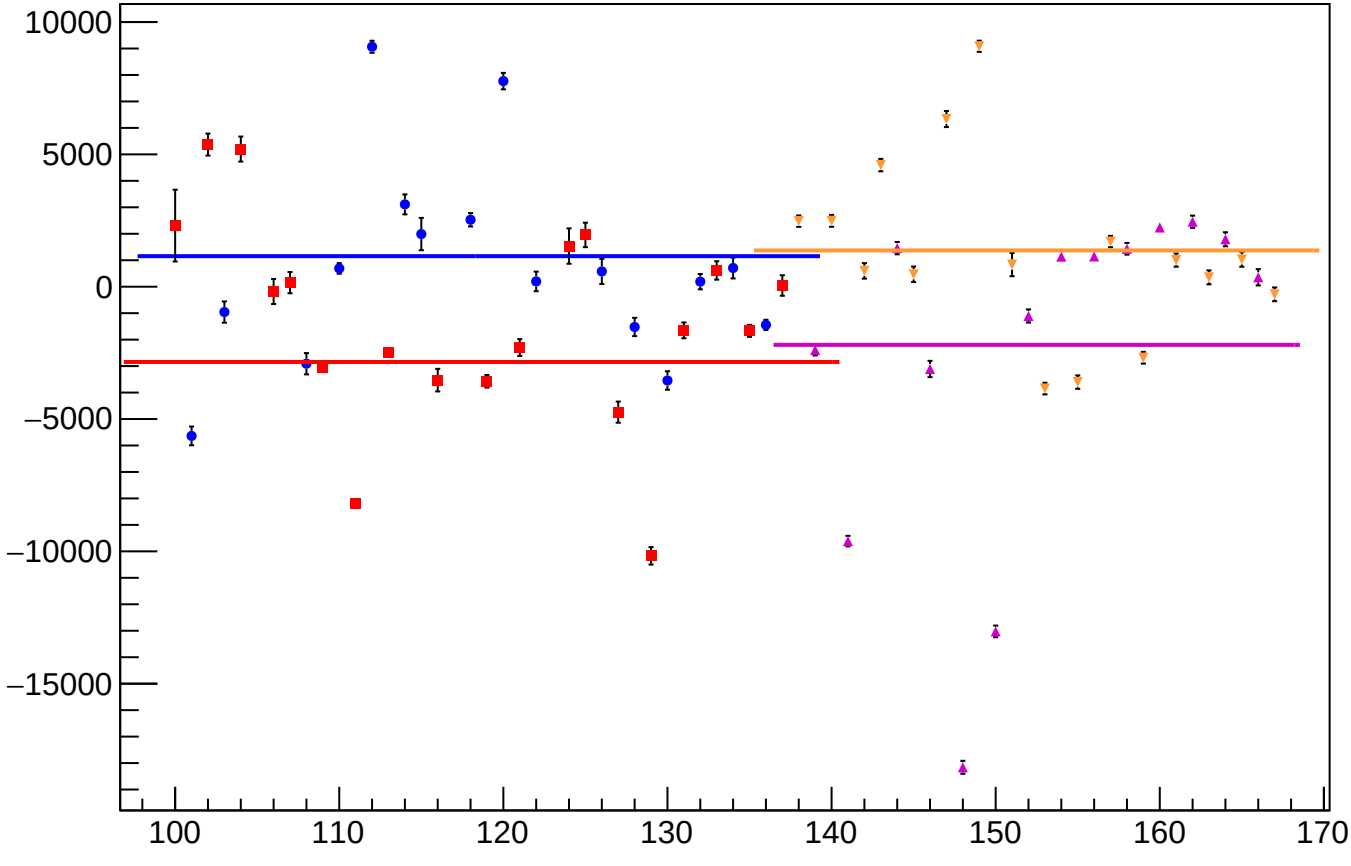
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.425+/-0.030 χ^2/NDF:1332783.1/29

Out: 185.448+/-0.030 χ^2/NDF:1861548.2/34

All: 181.398+/-0.021 χ^2/NDF: 3229451.3/64

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1369.543+/-62.355 χ^2/NDF:3202.2/15

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2198.395+/-58.383 χ^2/NDF:10626.1/13

Left: -531.669+/-42.618 χ^2/NDF: 15572.9/29

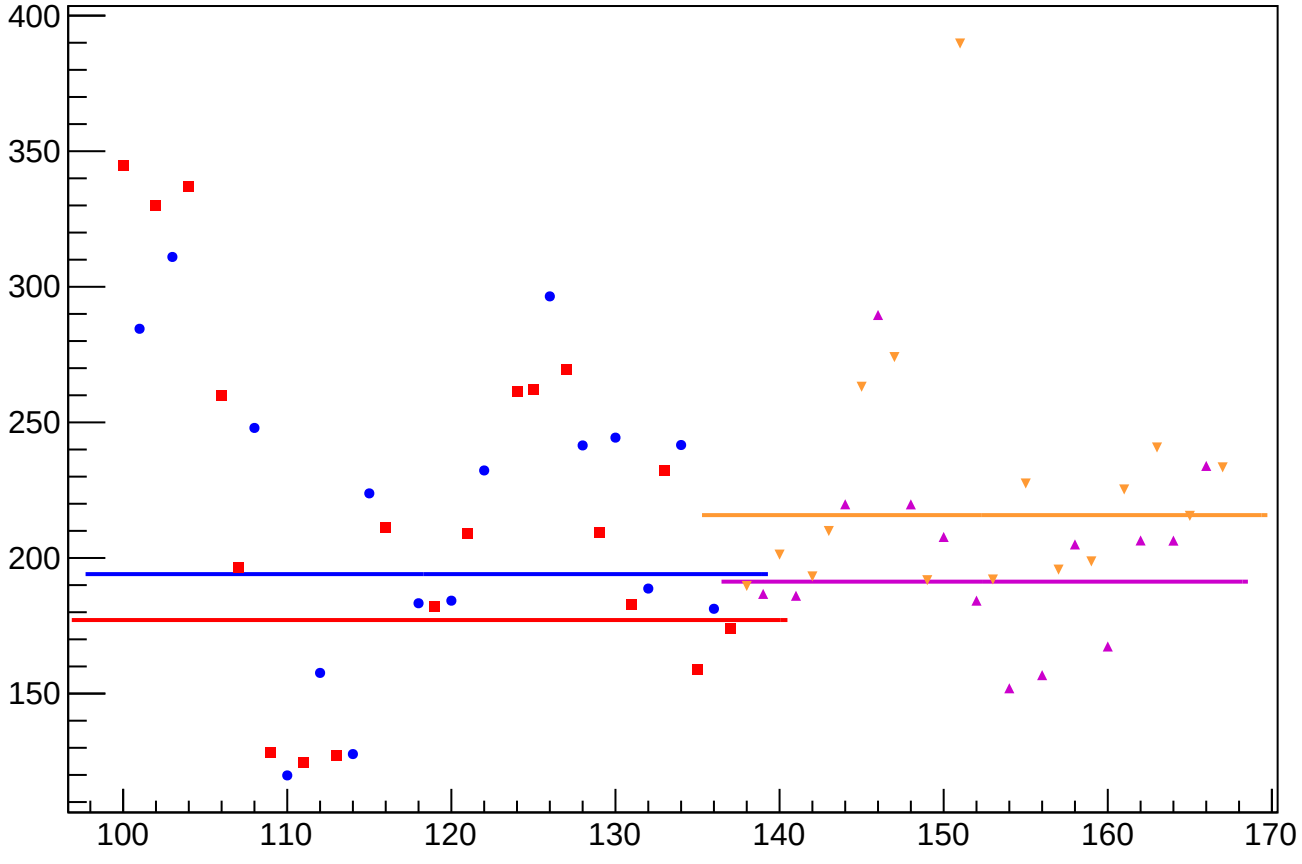
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -953.435+/-46.289 χ^2/NDF:14505.8/29

Out: -520.361+/-46.305 χ^2/NDF:7703.3/34

All: -736.971+/-32.737 χ^2/NDF: 22252.9/64

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.809+/-0.044 χ^2/NDF:602294.4/15

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 191.273+/-0.041 χ^2/NDF:560656.9/13

Left: 202.735+/-0.030 χ^2/NDF: 1327959.0/29

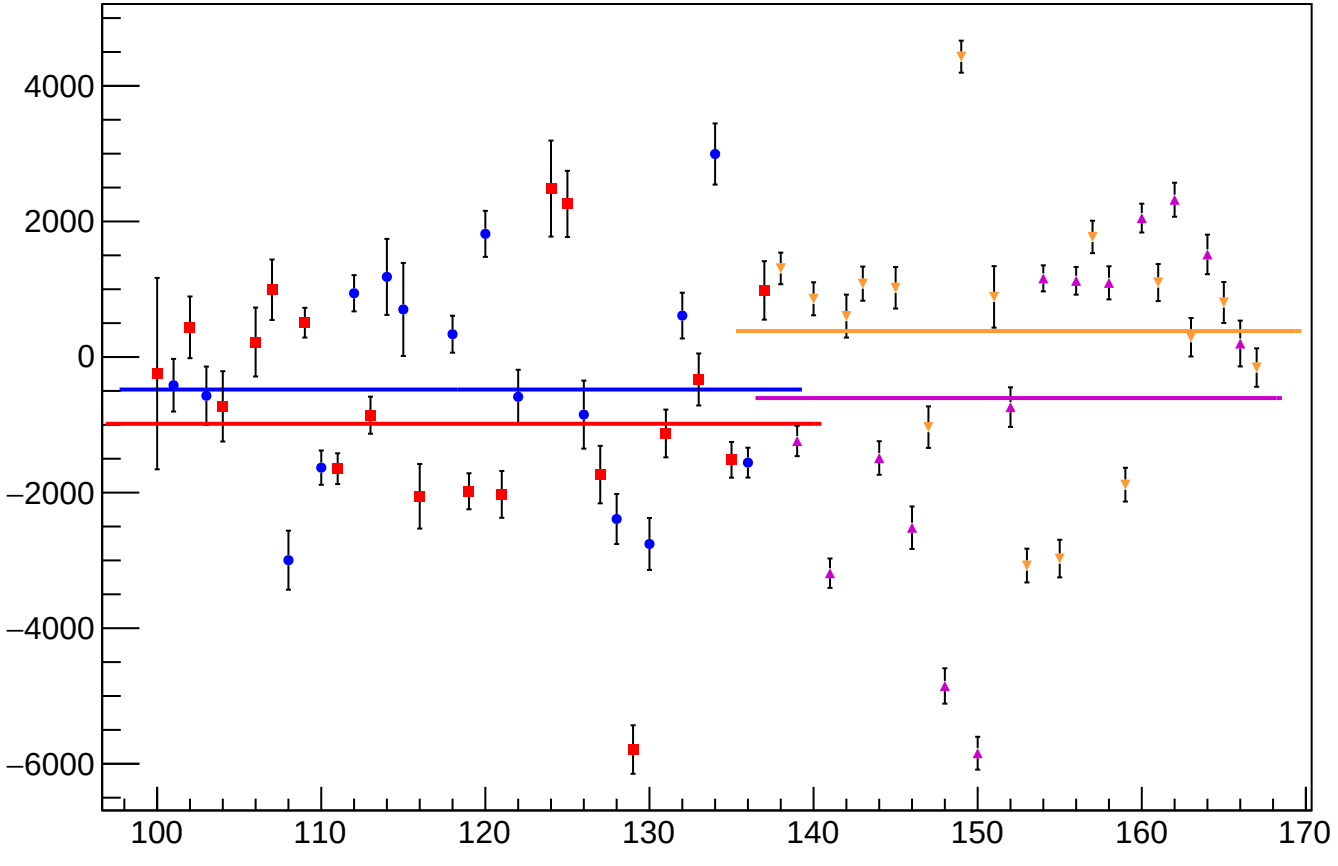
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 192.305+/-0.033 χ^2/NDF:1528127.2/29

Out: 198.453+/-0.033 χ^2/NDF:2307082.1/34

All: 195.378+/-0.023 χ^2/NDF: 3852841.3/64

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 382.958+/-67.880 χ^2/NDF:816.5/15

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -605.138+/-64.887 χ^2/NDF:1487.8/13

Left: -133.352+/-46.905 χ^2/NDF: 2415.0/29

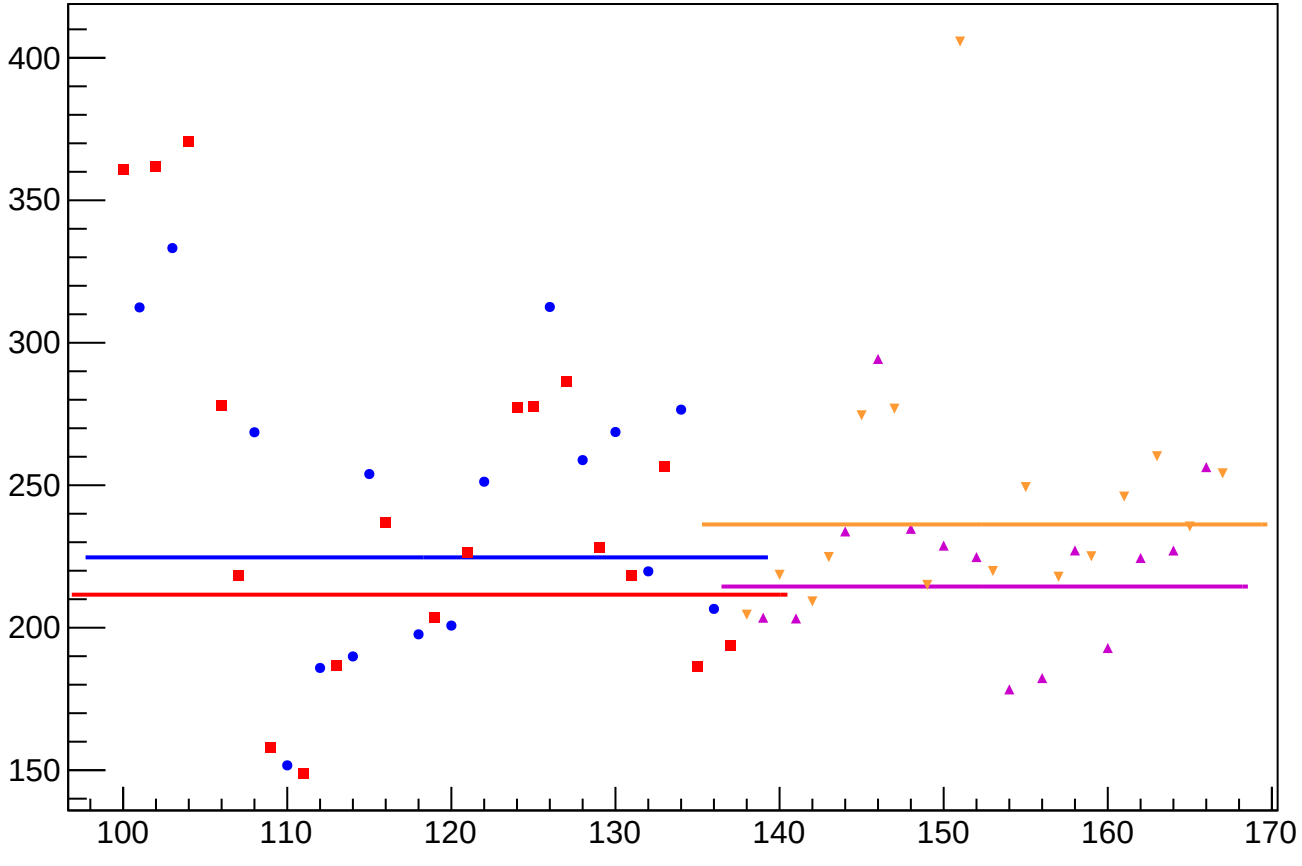
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -559.950+/-51.946 χ^2/NDF:1794.6/29

Out: -181.641+/-52.012 χ^2/NDF:1382.2/34

All: -371.036+/-36.755 χ^2/NDF: 3203.3/64

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 236.243+/-0.048 χ^2/NDF:481286.1/15

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 214.451+/-0.046 χ^2/NDF:357133.2/13

Left: 224.856+/-0.033 χ^2/NDF: 946133.3/29

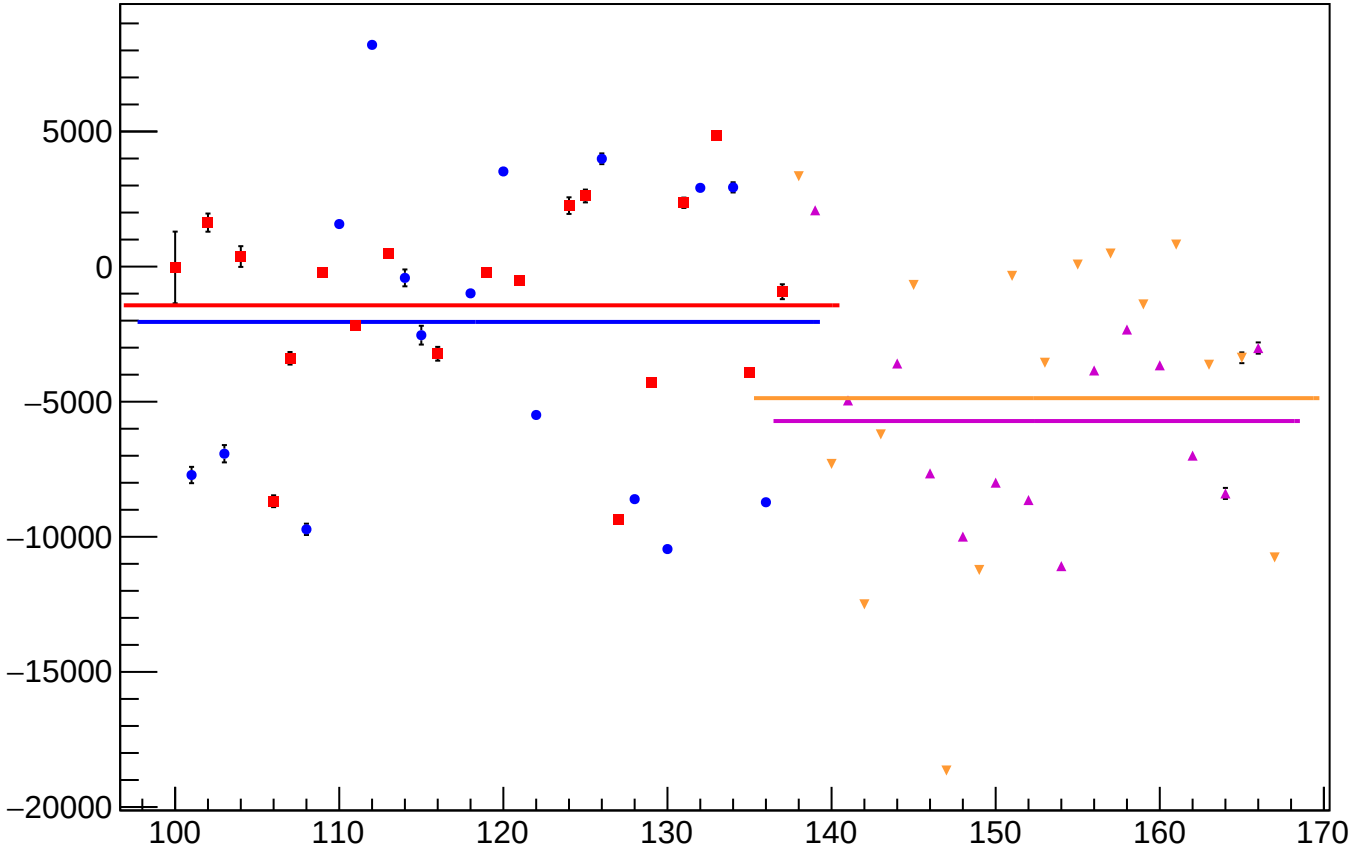
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 218.125+/-0.037 χ^2/NDF:1028185.1/29

Out: 226.066+/-0.037 χ^2/NDF:1523068.2/34

All: 222.091+/-0.026 χ^2/NDF: 2574594.9/64

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4868.559+/-34.758 χ^2/NDF:30832.8/15

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5715.549+/-36.389 χ^2/NDF:9610.7/13

Left: -5272.648+/-25.134 χ^2/NDF: 40726.8/29

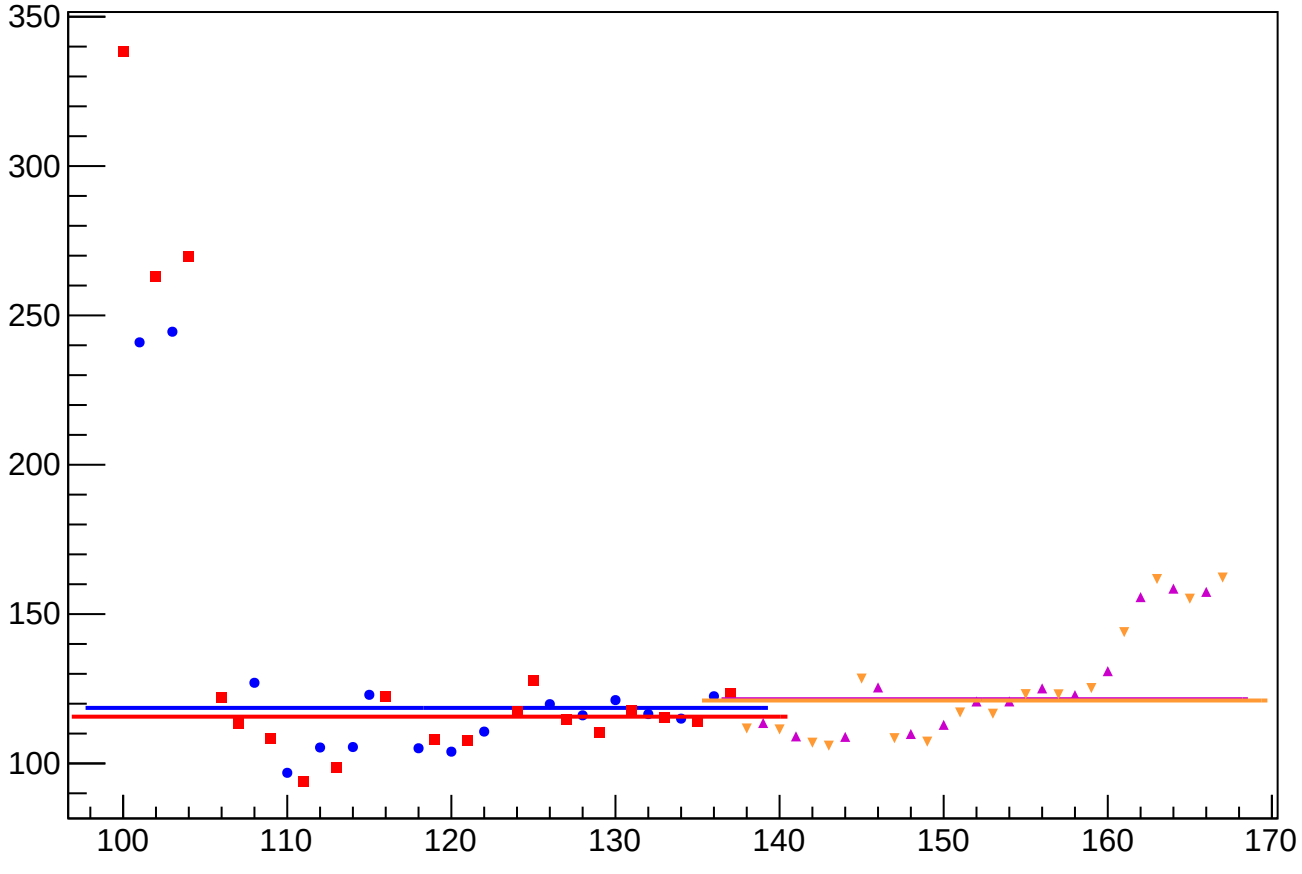
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4330.530+/-28.709 χ^2/NDF:30156.7/29

Out: -3575.033+/-27.446 χ^2/NDF:40899.1/34

All: -3935.793+/-19.839 χ^2/NDF: 71417.7/64

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 121.071+/-0.025 χ^2/NDF:438778.7/15

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 121.511+/-0.026 χ^2/NDF:296780.3/13

Left: 121.281+/-0.018 χ^2/NDF: 735711.9/29

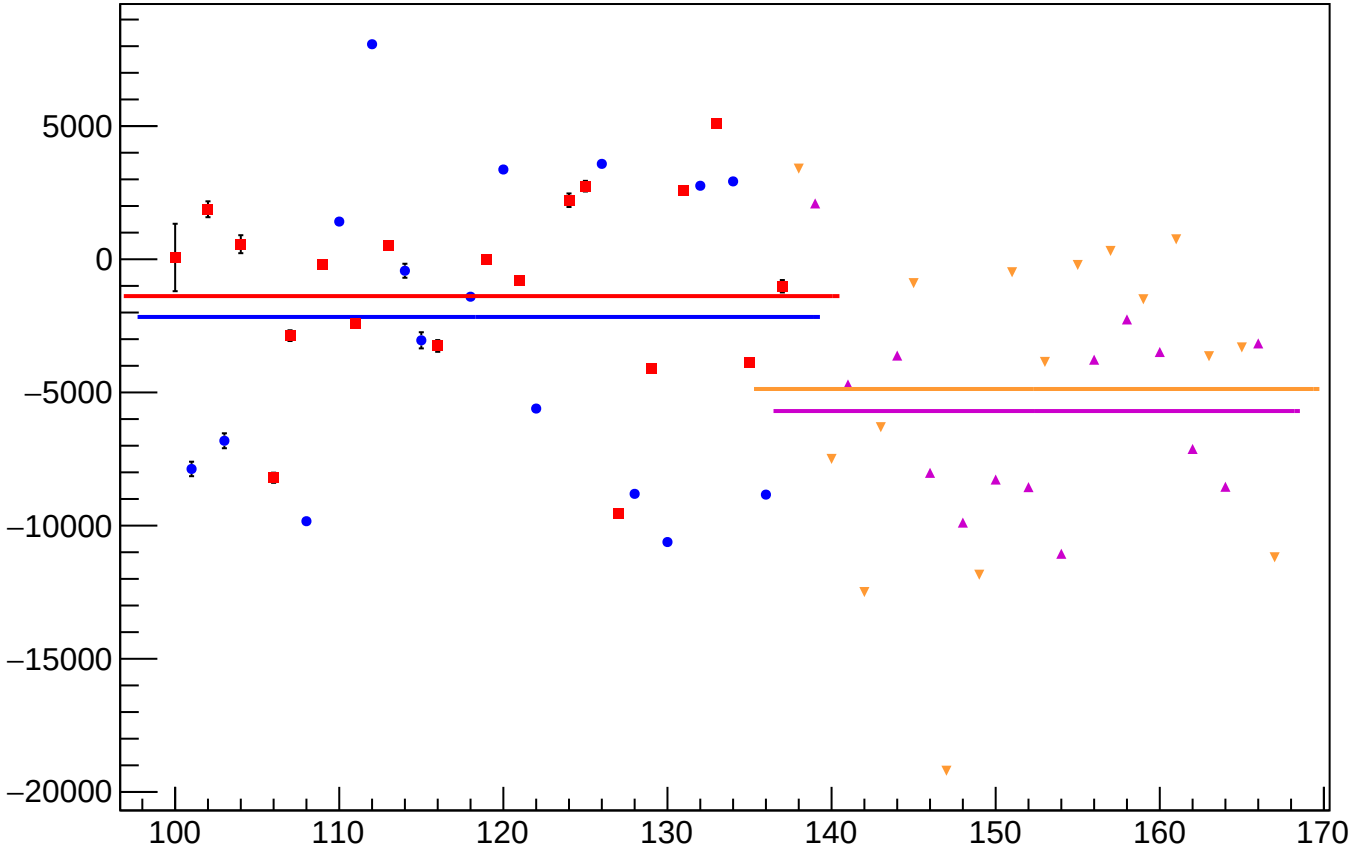
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 120.410+/-0.020 χ^2/NDF:1035786.0/29

Out: 119.034+/-0.019 χ^2/NDF:1321237.8/34

All: 119.691+/-0.014 χ^2/NDF: 2359427.0/64

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4870.387+/-31.316 χ^2/NDF:37680.6/15

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5698.440+/-33.127 χ^2/NDF:11874.1/13

Left: -5261.160+/-22.757 χ^2/NDF: 49884.6/29

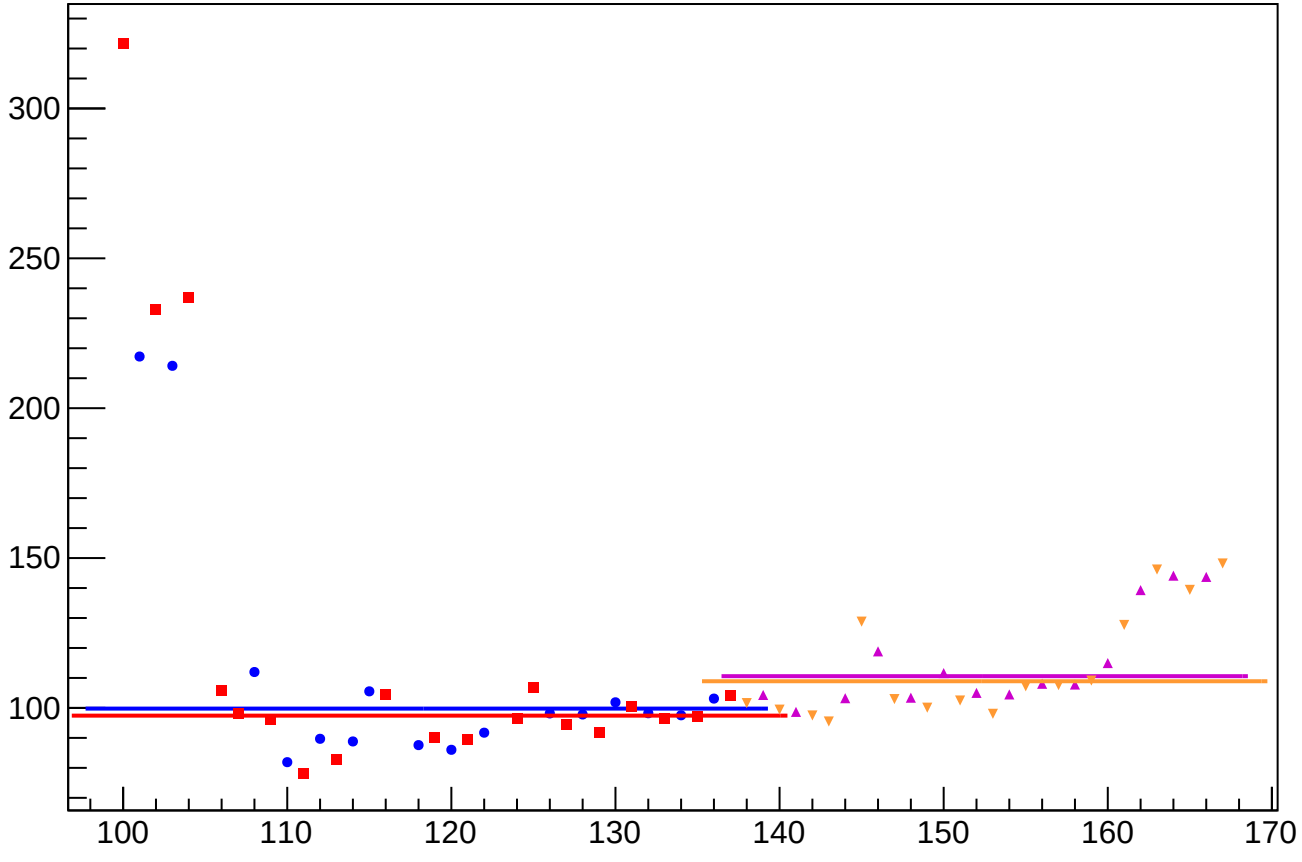
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4245.482+/-25.417 χ^2/NDF:39426.0/29

Out: -3458.857+/-24.161 χ^2/NDF:51848.5/34

All: -3832.246+/-17.511 χ^2/NDF: 91777.7/64

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 108.901+/-0.022 χ^2/NDF:461216.1/15

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 110.593+/-0.023 χ^2/NDF:265334.5/13

Left: 109.700+/-0.016 χ^2/NDF: 729304.9/29

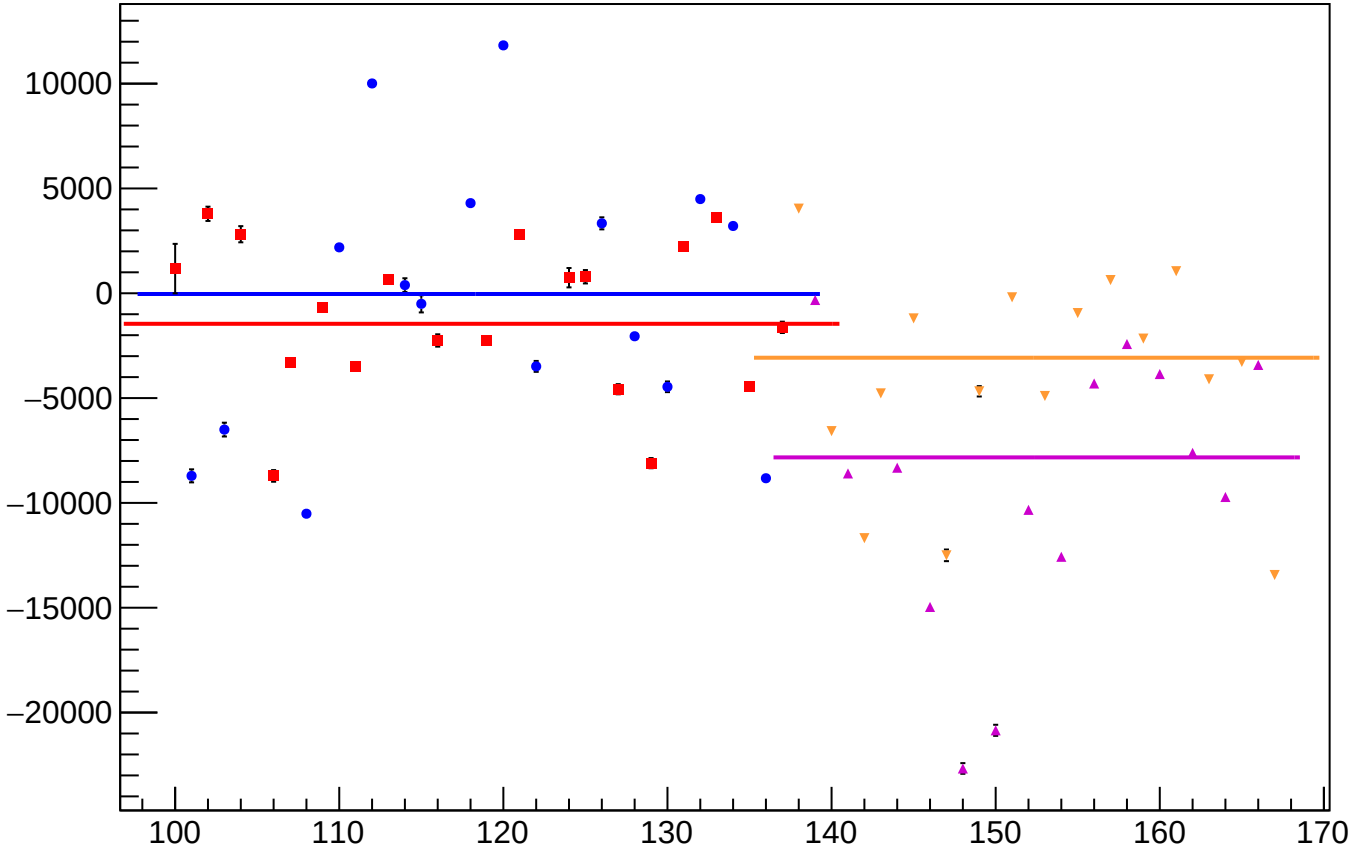
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 106.143+/-0.018 χ^2/NDF:1162218.1/29

Out: 104.257+/-0.017 χ^2/NDF:1495934.3/34

All: 105.152+/-0.012 χ^2/NDF: 2663938.5/64

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3074.651+/-44.531 χ^2/NDF:9839.1/15

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -7829.192+/-47.799 χ^2/NDF:13296.8/13

Left: -5283.858+/-32.582 χ^2/NDF: 28432.8/29

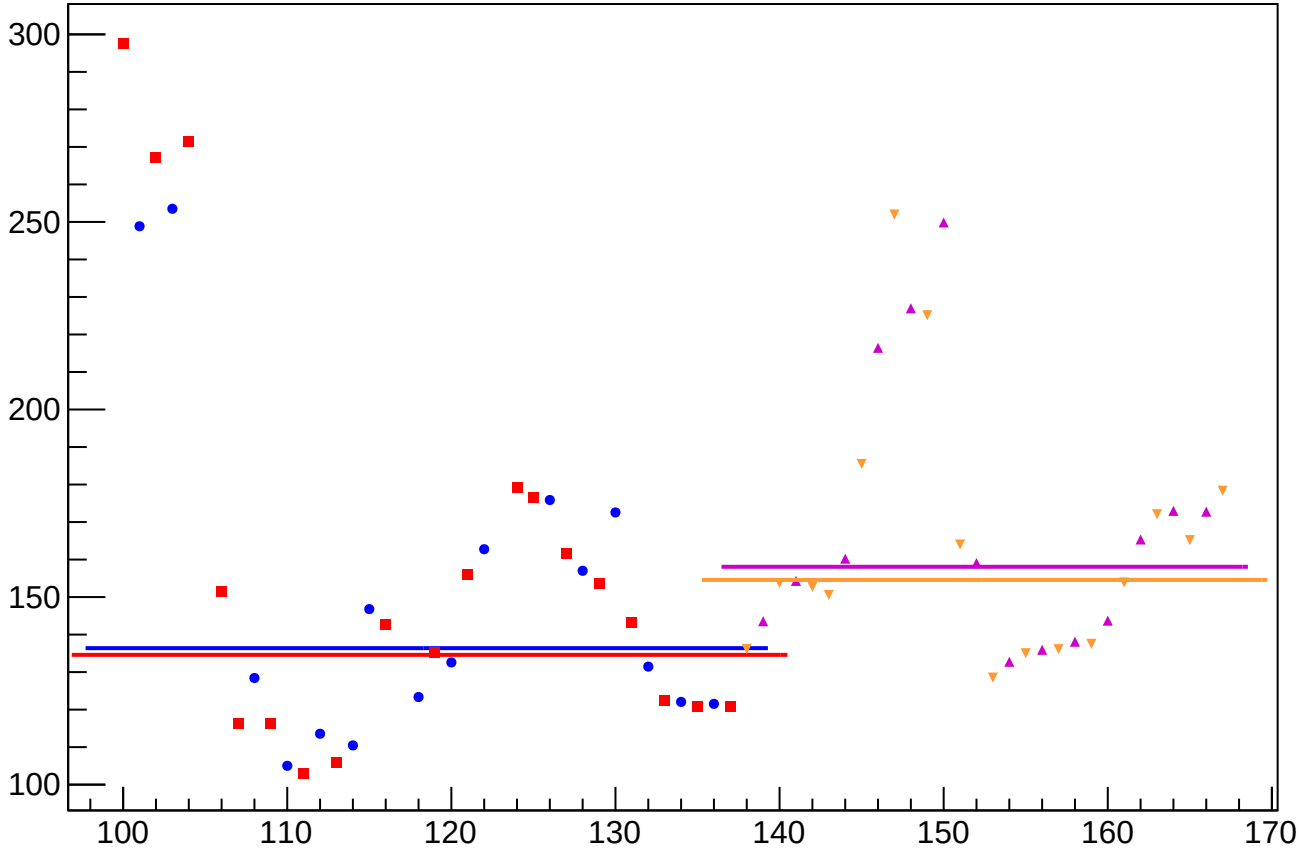
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4366.753+/-35.634 χ^2/NDF:41912.1/29

Out: -2389.283+/-33.808 χ^2/NDF:14515.3/34

All: -3326.060+/-24.526 χ^2/NDF: 58048.1/64

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 154.570+/-0.031 χ^2/NDF:696204.3/15

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 158.073+/-0.034 χ^2/NDF:714737.4/13

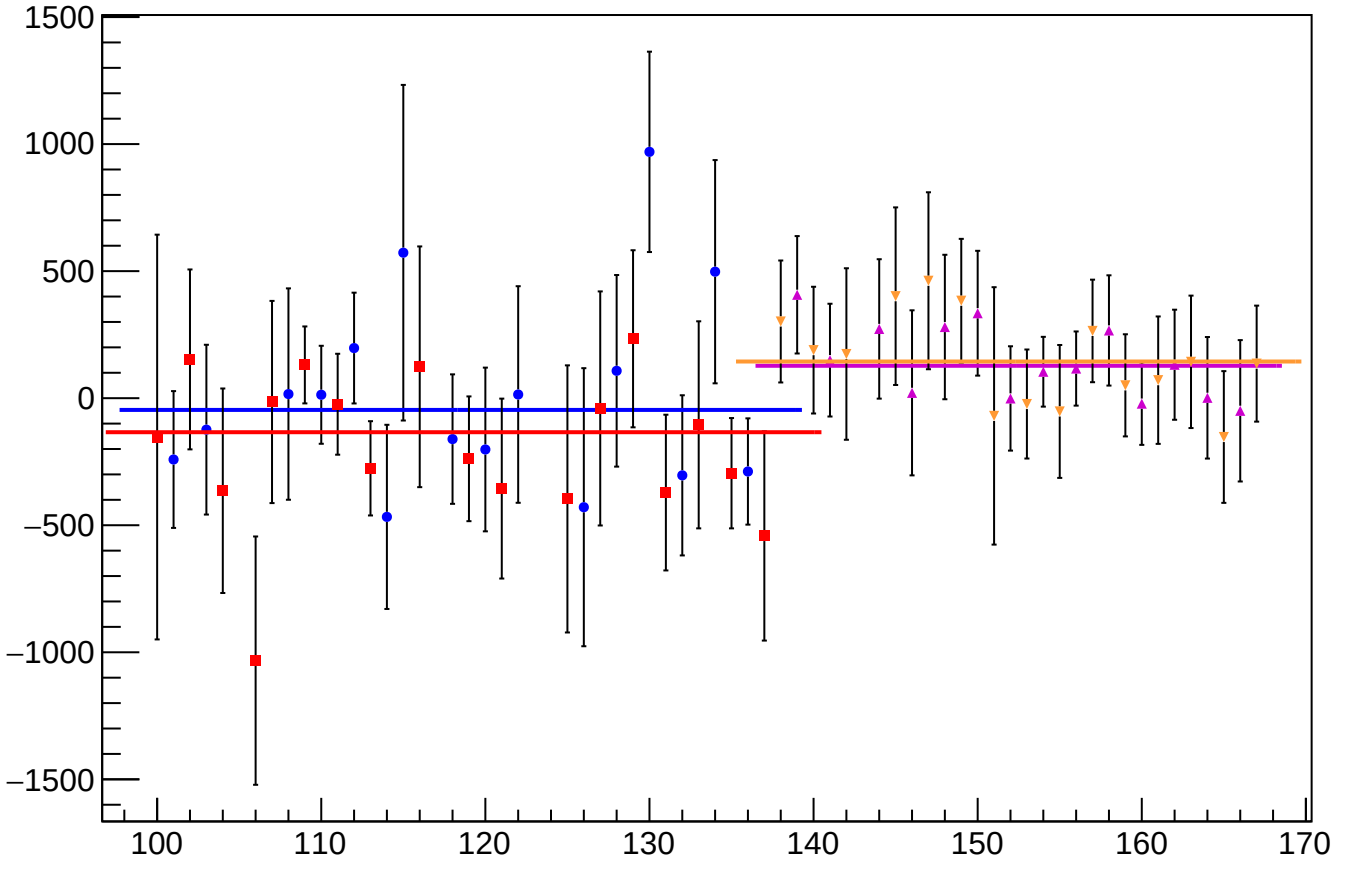
Left: 156.198+/-0.023 χ^2/NDF: 1416693.4/29

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 148.438+/-0.025 χ^2/NDF:1694535.4/29

Out: 146.110+/-0.024 χ^2/NDF:1786216.4/34

All: 147.213+/-0.017 χ^2/NDF: 3485244.7/64



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 144.337+/-65.966 χ^2/NDF:6.1/14

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 127.561+/-55.438 χ^2/NDF:5.2/13

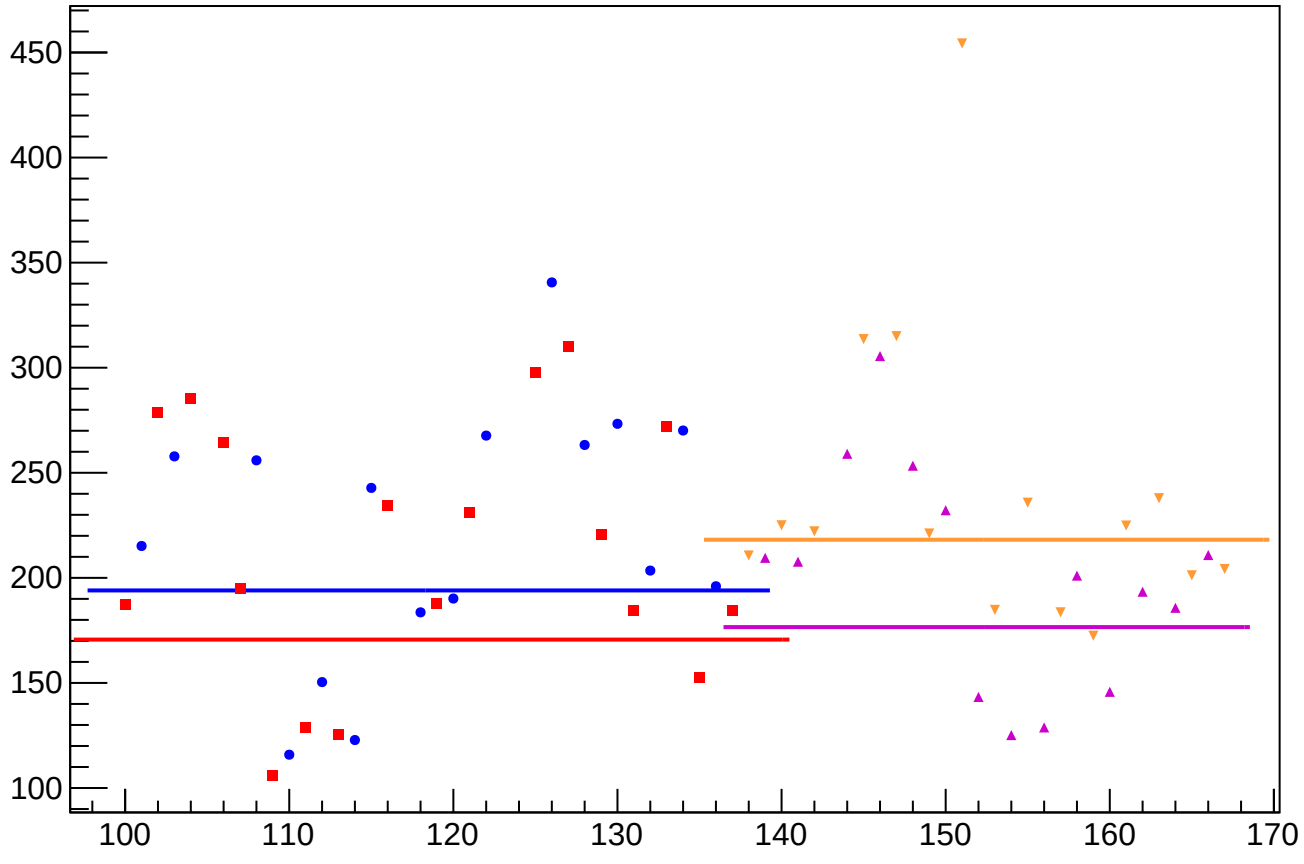
Left: 134.505+/-42.441 χ^2/NDF: 11.4/28

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 67.506+/-44.846 χ^2/NDF:24.1/29

Out: 10.278+/-47.487 χ^2/NDF:27.5/32

All: 40.528+/-32.605 χ^2/NDF: 52.4/62



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 218.143+/-0.047 χ^2/NDF:991218.5/14

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 176.575+/-0.039 χ^2/NDF:1513900.6/13

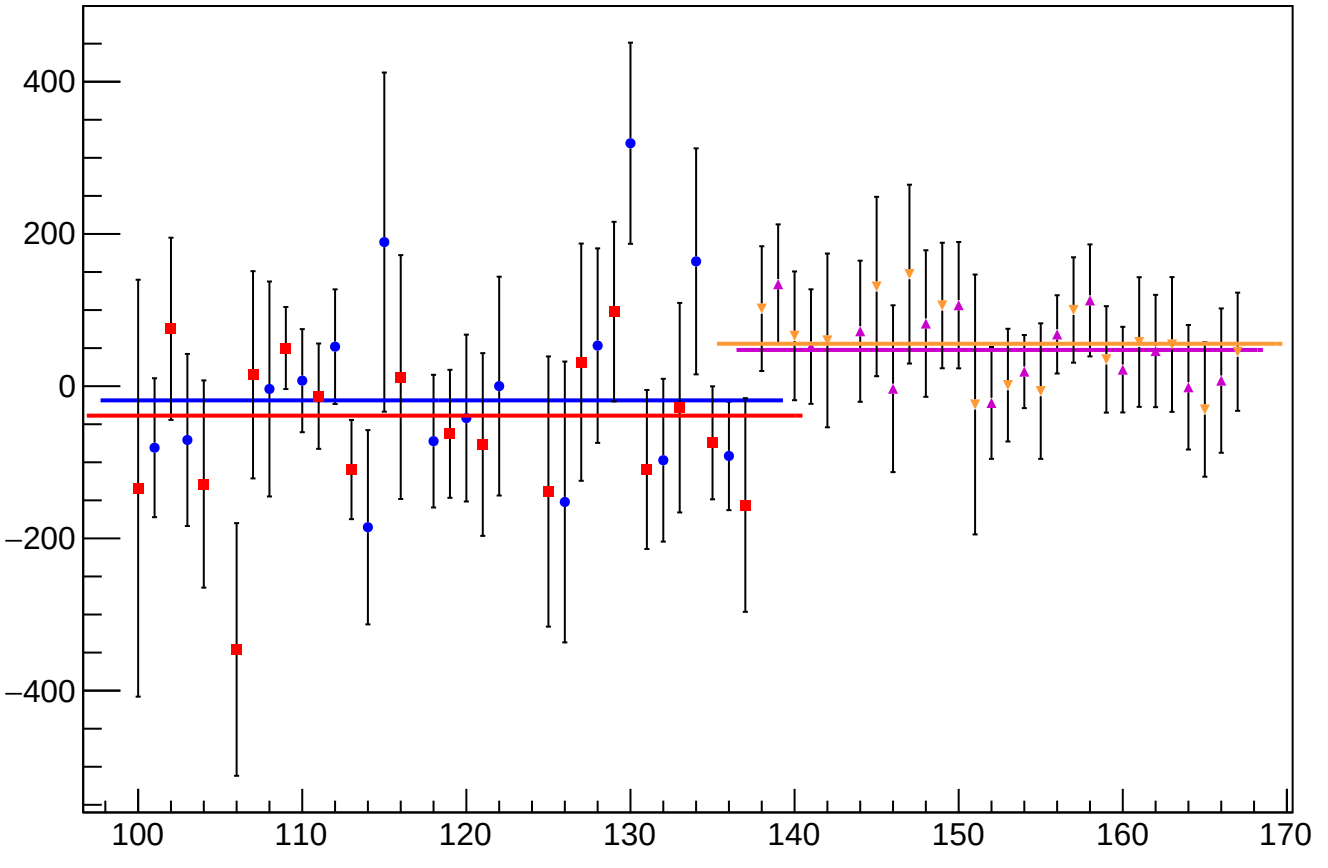
Left: 193.781+/-0.030 χ^2/NDF: 2970554.4/28

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 182.603+/-0.032 χ^2/NDF:2625914.4/29

Out: 195.248+/-0.034 χ^2/NDF:3084972.0/32

All: 188.564+/-0.023 χ^2/NDF: 5785850.6/62



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 55.743+/-22.515 χ^2/NDF:4.4/14

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 47.599+/-19.127 χ^2/NDF:5.1/13

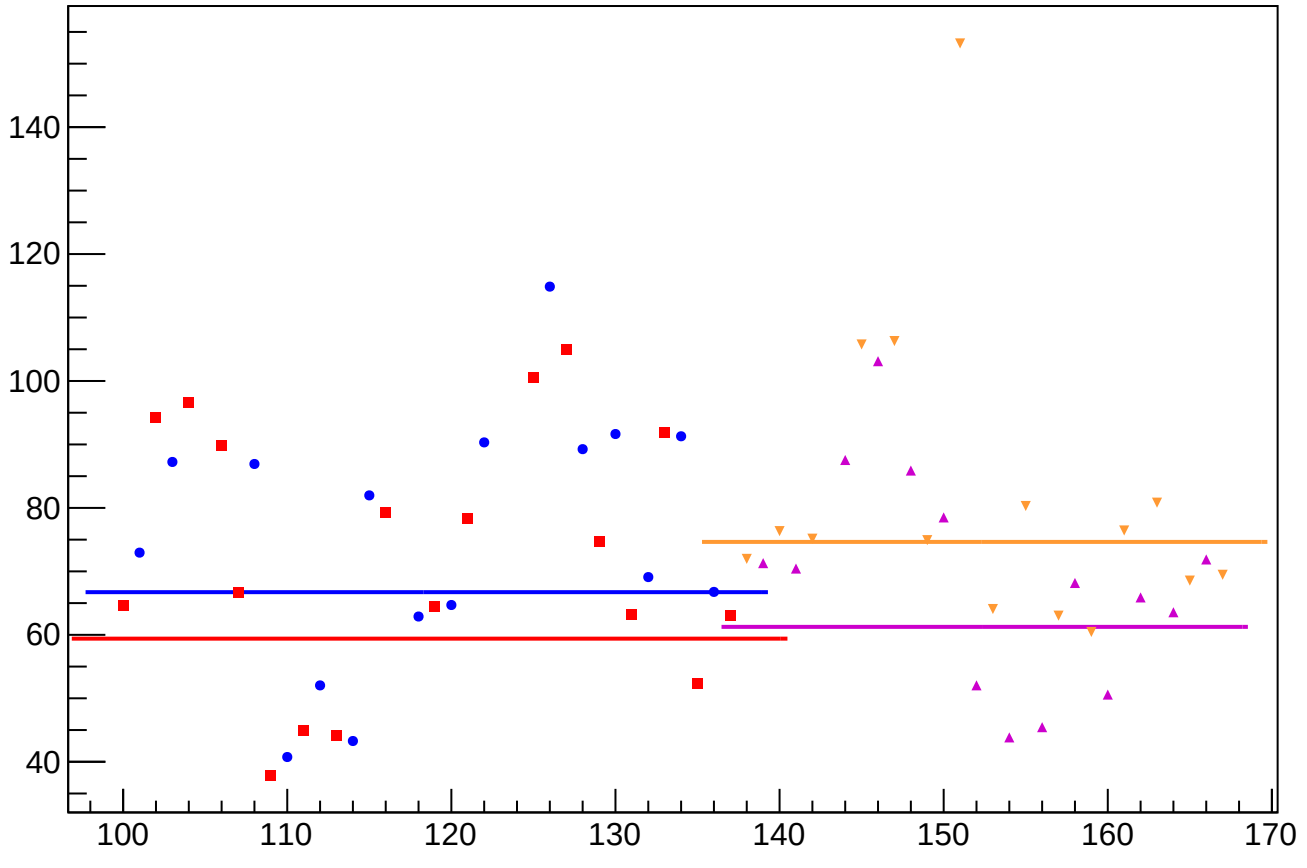
Left: 51.013+/-14.577 χ^2/NDF: 9.6/28

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 24.480+/-15.432 χ^2/NDF:24.5/29

Out: 10.838+/-16.308 χ^2/NDF:25.4/32

All: 18.035+/-11.209 χ^2/NDF: 50.3/62



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 74.644+/-0.016 χ^2/NDF:927554.0/14

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 61.257+/-0.014 χ^2/NDF:1340050.7/13

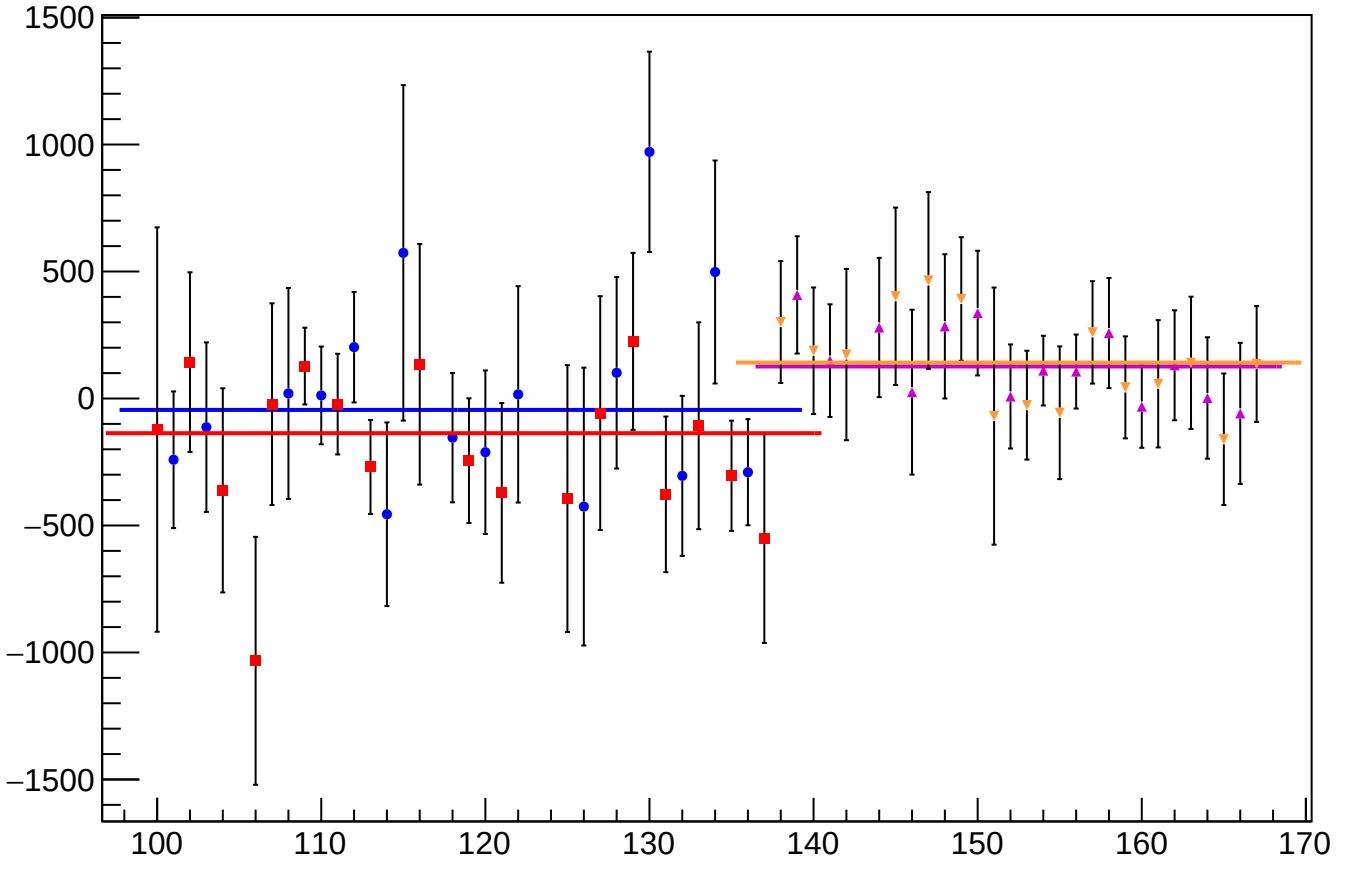
Left: 66.868+/-0.010 χ^2/NDF: 2678305.1/28

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.165+/-0.011 χ^2/NDF:2344128.1/29

Out: 67.397+/-0.012 χ^2/NDF:2808749.7/32

All: 65.165+/-0.008 χ^2/NDF: 5223952.5/62



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 141.586+/-65.912 χ^2/NDF:6.4/14

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 126.057+/-55.389 χ^2/NDF:5.3/13

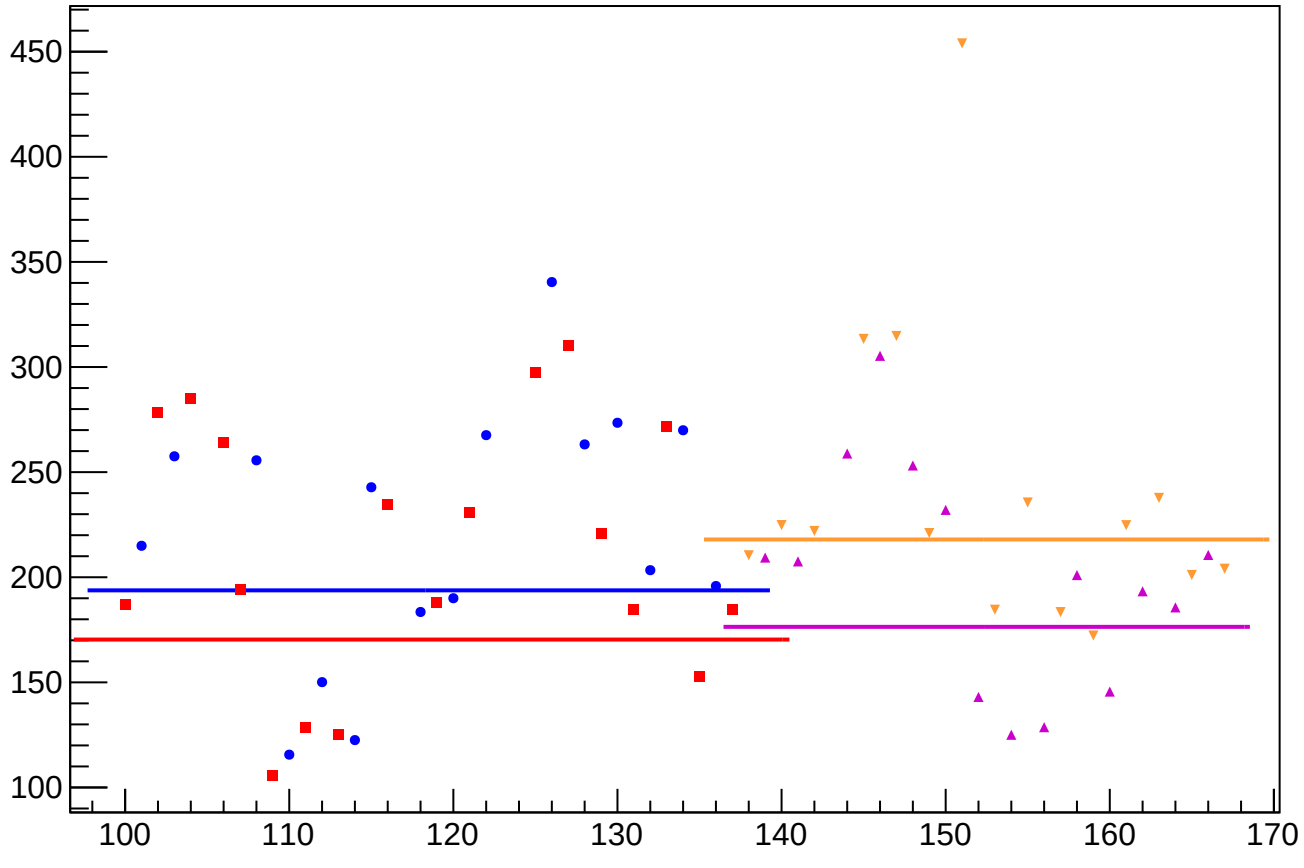
Left: 132.485+/-42.404 χ^2/NDF: 11.8/28

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 66.948+/-44.803 χ^2/NDF:24.1/29

Out: 7.497+/-47.436 χ^2/NDF:27.8/32

All: 38.918+/-32.572 χ^2/NDF: 52.8/62



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 217.957+/-0.047 χ^2/NDF:991883.7/14

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 176.407+/-0.039 χ^2/NDF:1515961.3/13

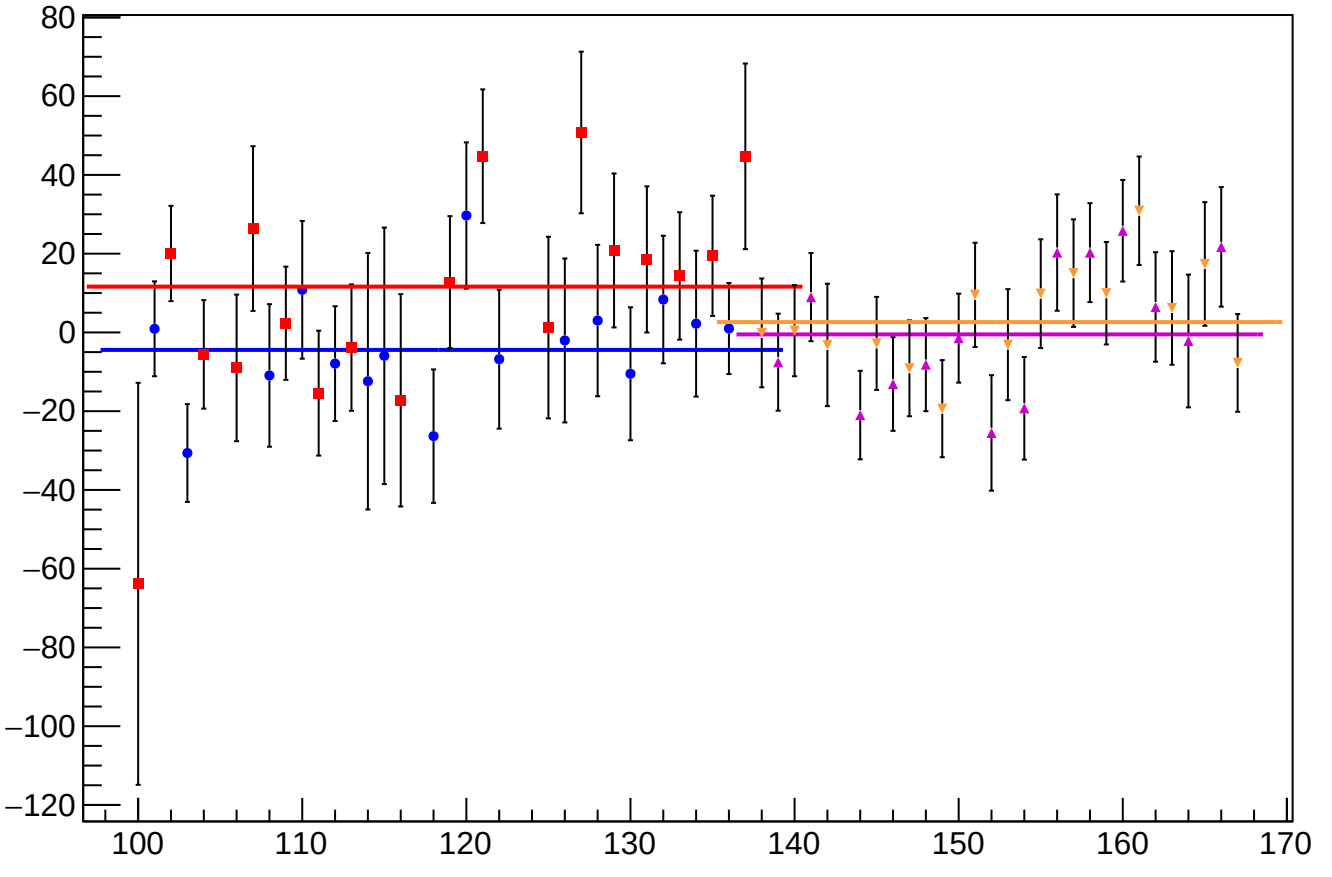
Left: 193.605+/-0.030 χ^2/NDF: 2973667.8/28

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 182.409+/-0.032 χ^2/NDF:2631982.8/29

Out: 195.012+/-0.034 χ^2/NDF:3093714.0/32

All: 188.351+/-0.023 χ^2/NDF: 5800311.0/62



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.627+/-3.426 χ^2/NDF:12.3/14

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -0.499+/-3.430 χ^2/NDF:22.2/13

Left: 1.066+/-2.424 χ^2/NDF: 34.8/28

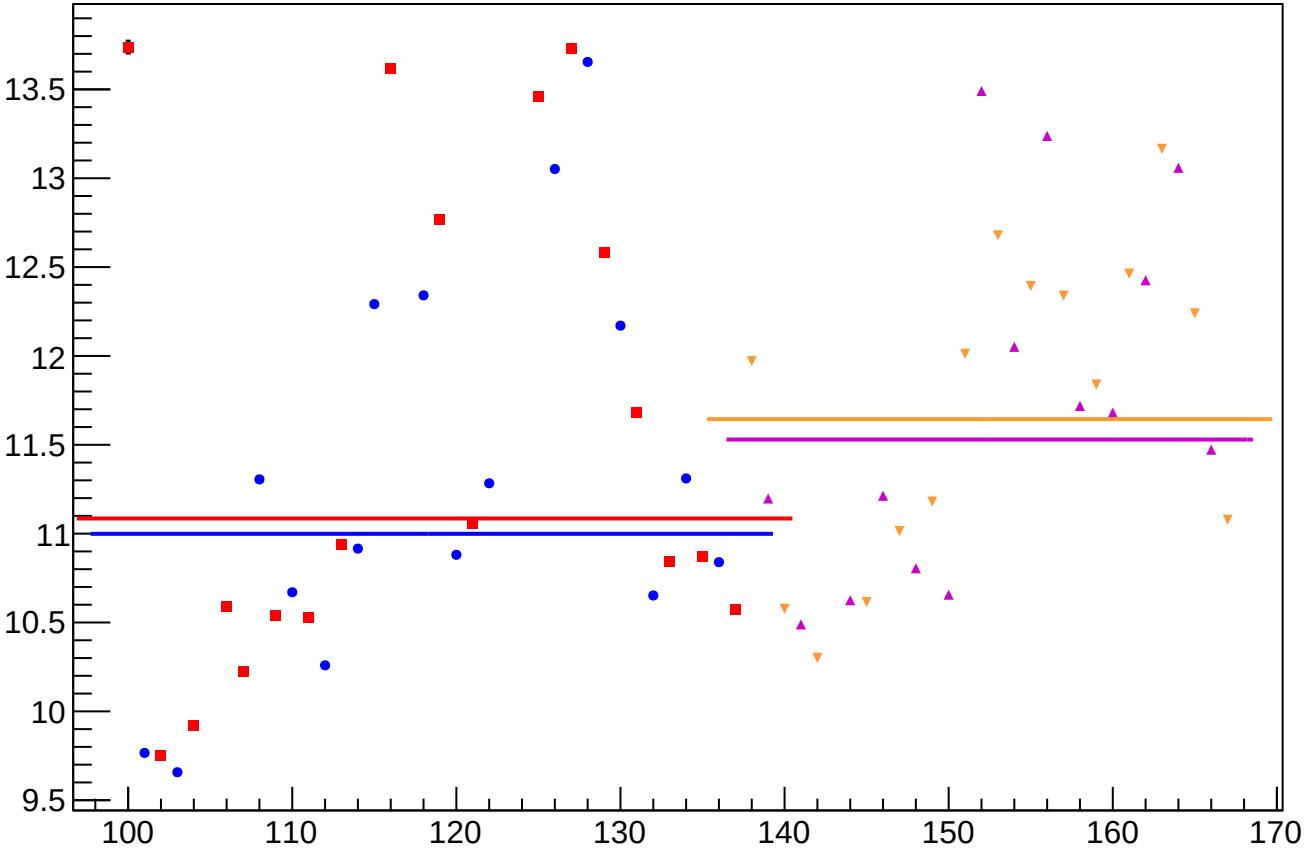
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.107+/-2.639 χ^2/NDF:34.7/29

Out: 6.289+/-2.638 χ^2/NDF:36.7/32

All: 2.091+/-1.866 χ^2/NDF: 76.5/62

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.644+/-0.002 χ^2/NDF:116626.1/14

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.530+/-0.002 χ^2/NDF:143749.9/13

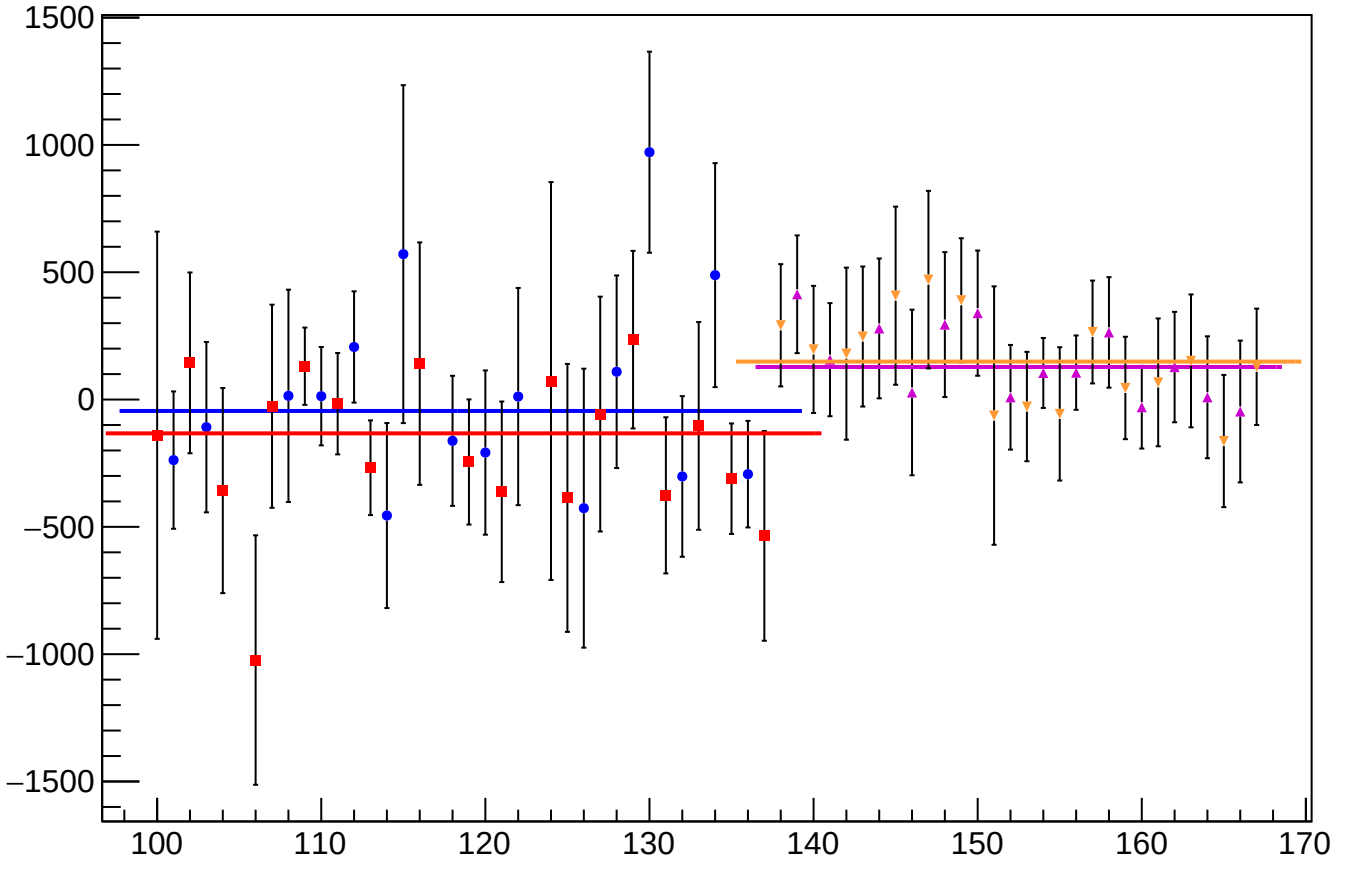
Left: 11.587+/-0.002 χ^2/NDF: 261495.7/28

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.313+/-0.002 χ^2/NDF:299444.9/29

Out: 11.417+/-0.002 χ^2/NDF:300500.7/32

All: 11.365+/-0.001 χ^2/NDF: 601492.7/62



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 149.062+/-64.207 χ^2/NDF:6.5/15

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 127.863+/-55.479 χ^2/NDF:5.4/13

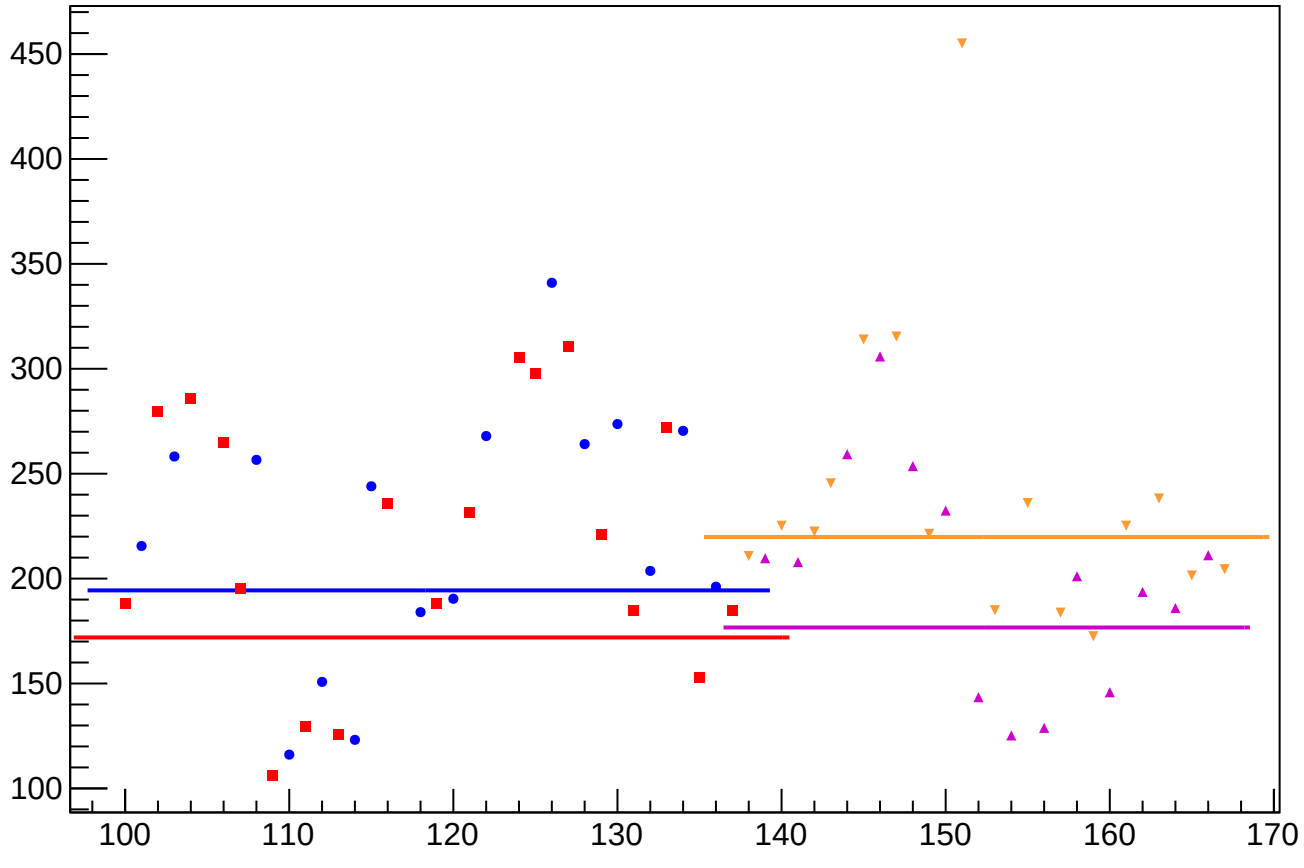
Left: 136.925+/-41.979 χ^2/NDF: 12.0/29

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 68.275+/-44.896 χ^2/NDF:24.2/29

Out: 16.800+/-46.771 χ^2/NDF:28.4/34

All: 43.590+/-32.389 χ^2/NDF: 53.2/64



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 219.828+/-0.045 χ^2/NDF:1010886.2/15

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 176.690+/-0.039 χ^2/NDF:1516345.9/13

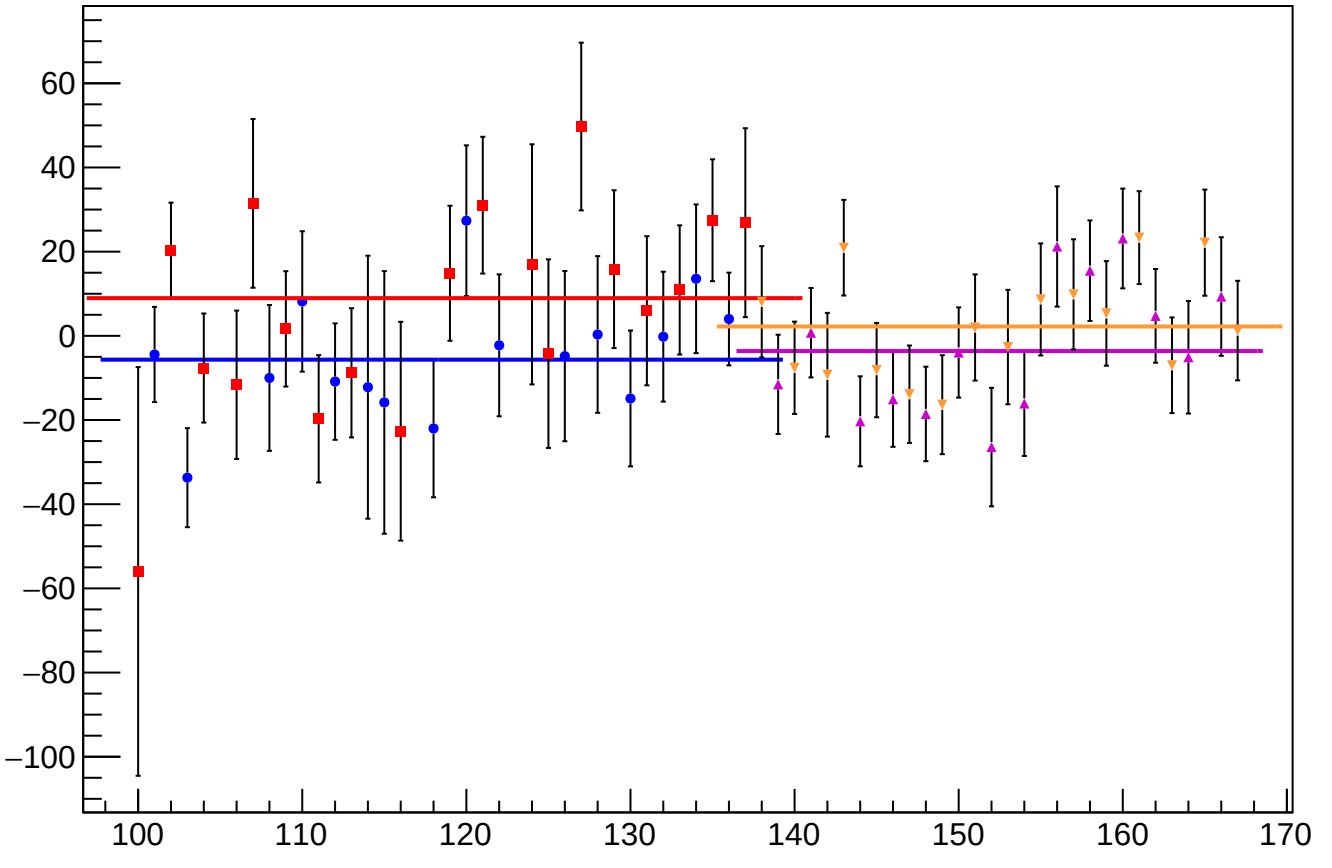
Left: 195.130+/-0.030 χ^2/NDF: 3044109.5/29

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.797+/-0.032 χ^2/NDF:2628585.4/29

Out: 197.355+/-0.033 χ^2/NDF:3184229.4/34

All: 189.779+/-0.023 χ^2/NDF: 5913663.4/64



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.225+/-3.041 χ^2/NDF:17.2/15

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.612+/-3.187 χ^2/NDF:21.6/13

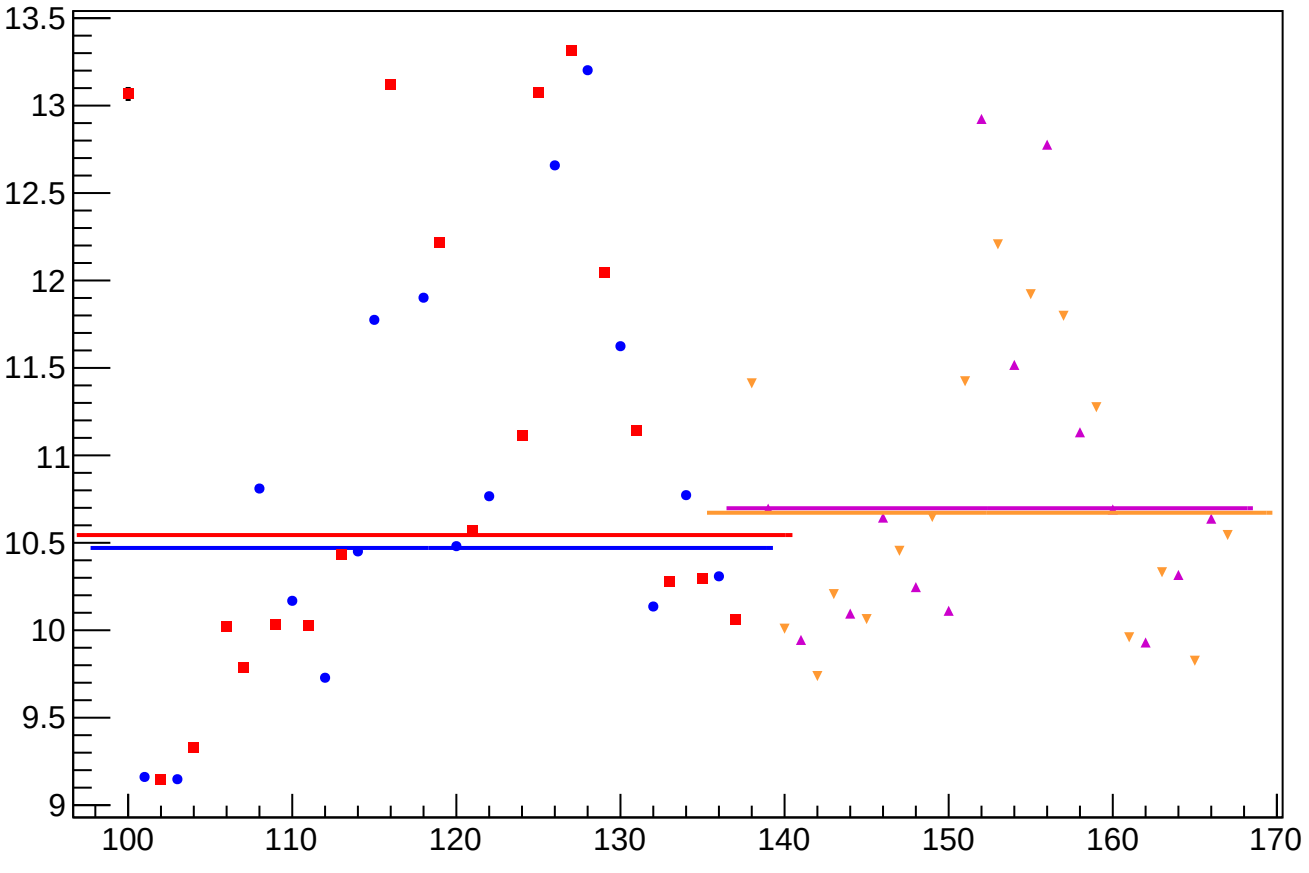
Left: -0.556+/-2.200 χ^2/NDF: 40.5/29

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.421+/-2.478 χ^2/NDF:35.4/29

Out: 4.771+/-2.398 χ^2/NDF:41.8/34

All: 0.325+/-1.723 χ^2/NDF: 84.4/64



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.672+/-0.002 χ^2/NDF:120741.0/15

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.698+/-0.002 χ^2/NDF:140451.4/13

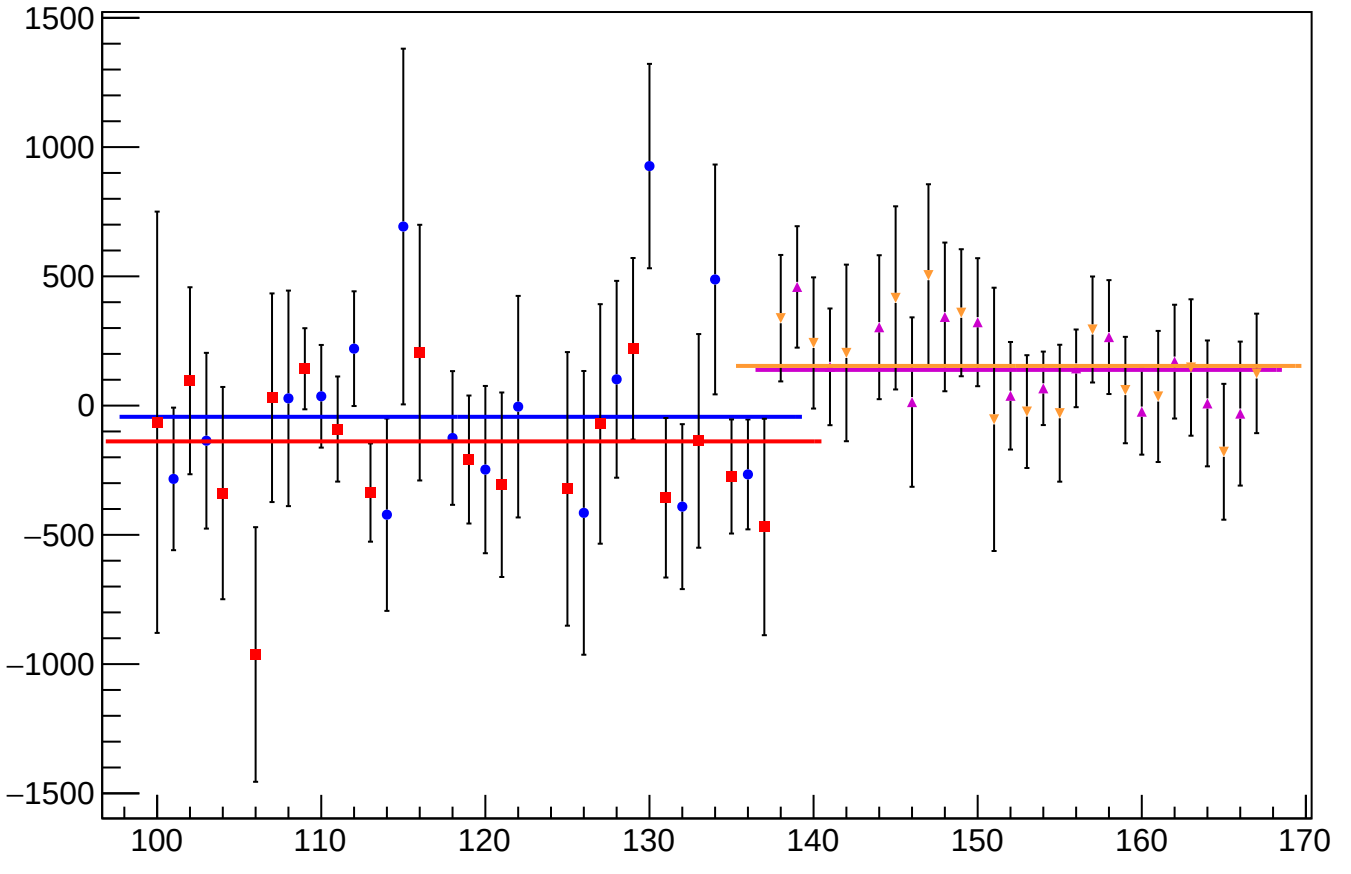
Left: 10.684+/-0.002 χ^2/NDF: 261260.9/29

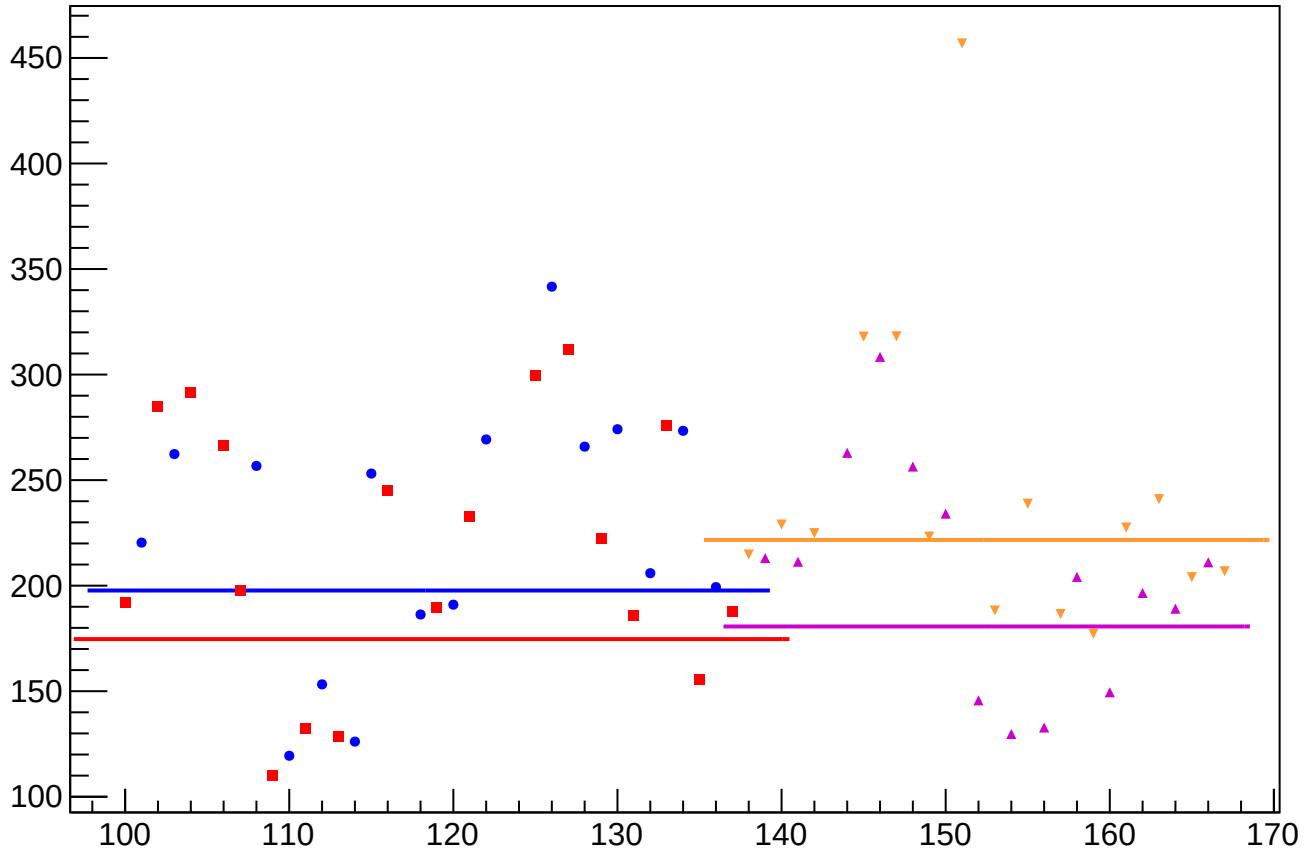
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.608+/-0.002 χ^2/NDF:301835.6/29

Out: 10.624+/-0.002 χ^2/NDF:308852.1/34

All: 10.616+/-0.001 χ^2/NDF: 610730.0/64


asym_bcm_dg_us_dg_ds_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
Right In: -43.384+/-77.584 χ²/NDF: 15.5/15
Left Out: 153.491+/-66.956 χ²/NDF:6.8/14
Right Out: -138.455+/-69.833 χ²/NDF: 11.5/17
Left In: 138.116+/-56.576 χ²/NDF:5.9/13
Left: 144.521+/-43.214 χ²/NDF: 12.7/28
Right: -95.904+/-51.904 χ²/NDF: 27.7/33
In: 75.107+/-45.713 χ²/NDF:24.9/29
Out: 13.656+/-48.330 χ²/NDF:27.3/32
All: 46.090+/-33.210 χ²/NDF: 53.1/62



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 221.659+/-0.047 χ^2/NDF:964822.9/14

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 180.661+/-0.040 χ^2/NDF:1431192.3/13

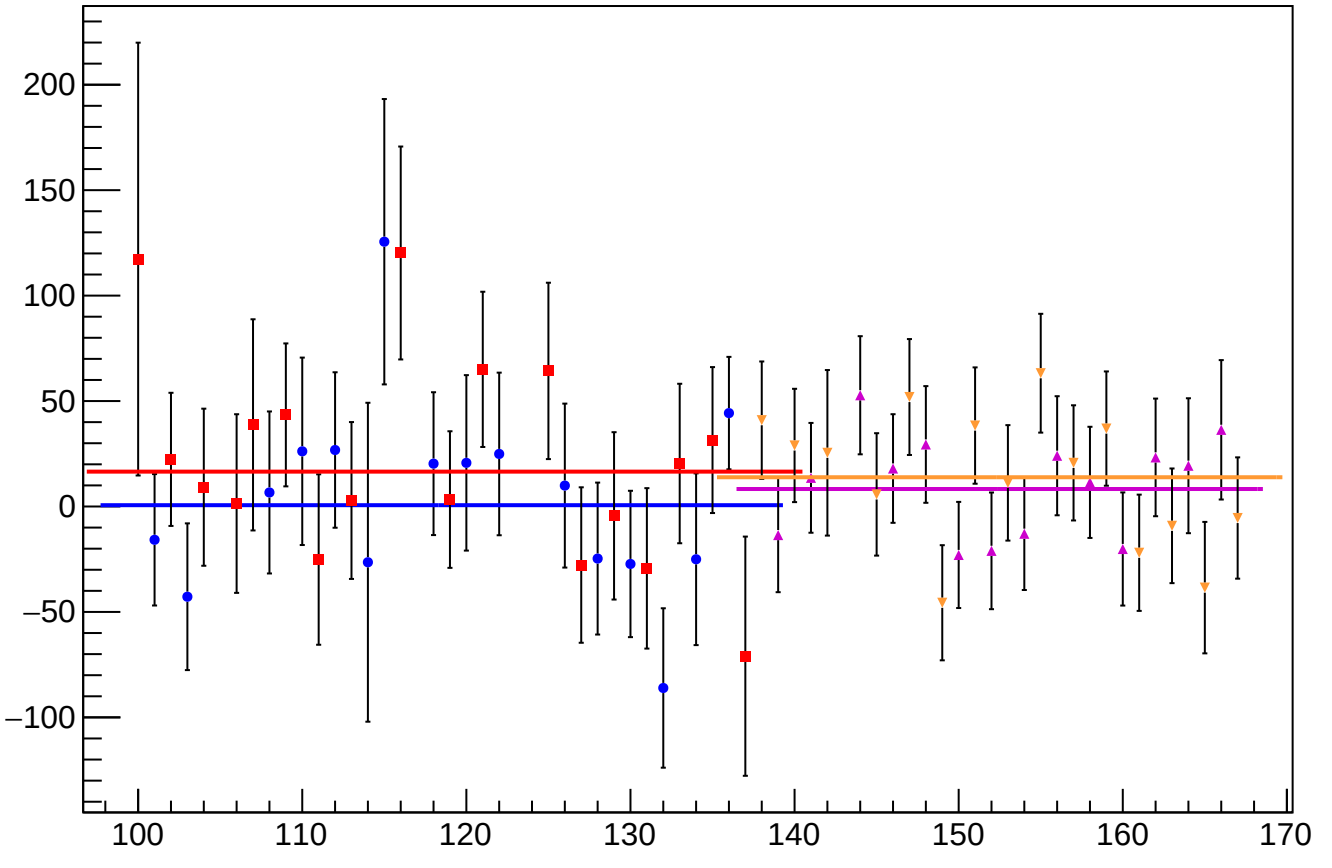
Left: 197.739+/-0.031 χ^2/NDF: 2833514.1/28

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 186.579+/-0.032 χ^2/NDF:2494550.5/29

Out: 199.157+/-0.034 χ^2/NDF:2971193.1/32

All: 192.518+/-0.023 χ^2/NDF: 5537243.2/62



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 13.869+/-7.313 χ^2/NDF:18.4/14

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 8.293+/-7.356 χ^2/NDF:9.8/13

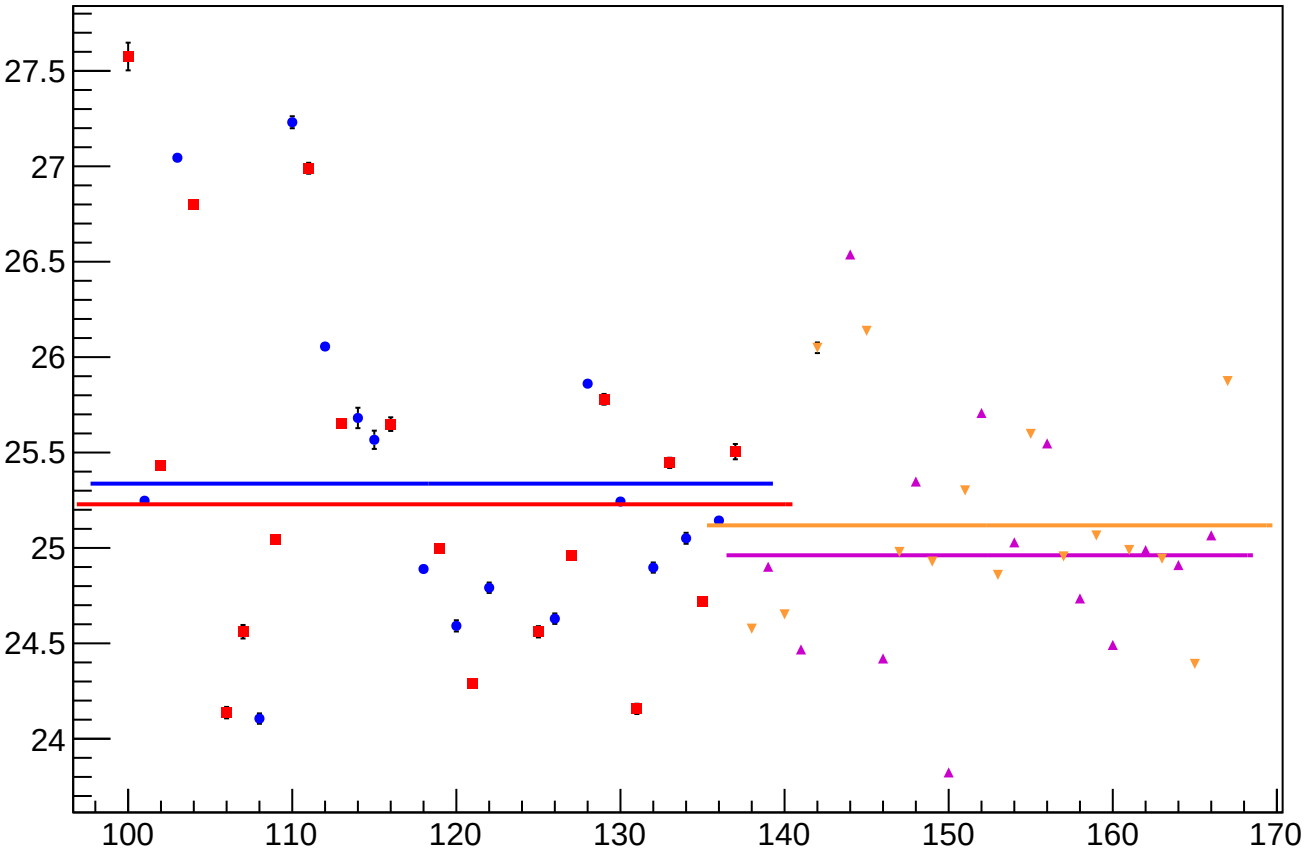
Left: 11.097+/-5.186 χ^2/NDF: 28.5/28

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 5.386+/-5.798 χ^2/NDF:27.0/29

Out: 14.887+/-5.750 χ^2/NDF:34.8/32

All: 10.176+/-4.083 χ^2/NDF: 63.2/62



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.118+/-0.005 χ^2/NDF:8617.9/14

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.962+/-0.005 χ^2/NDF:15543.6/13

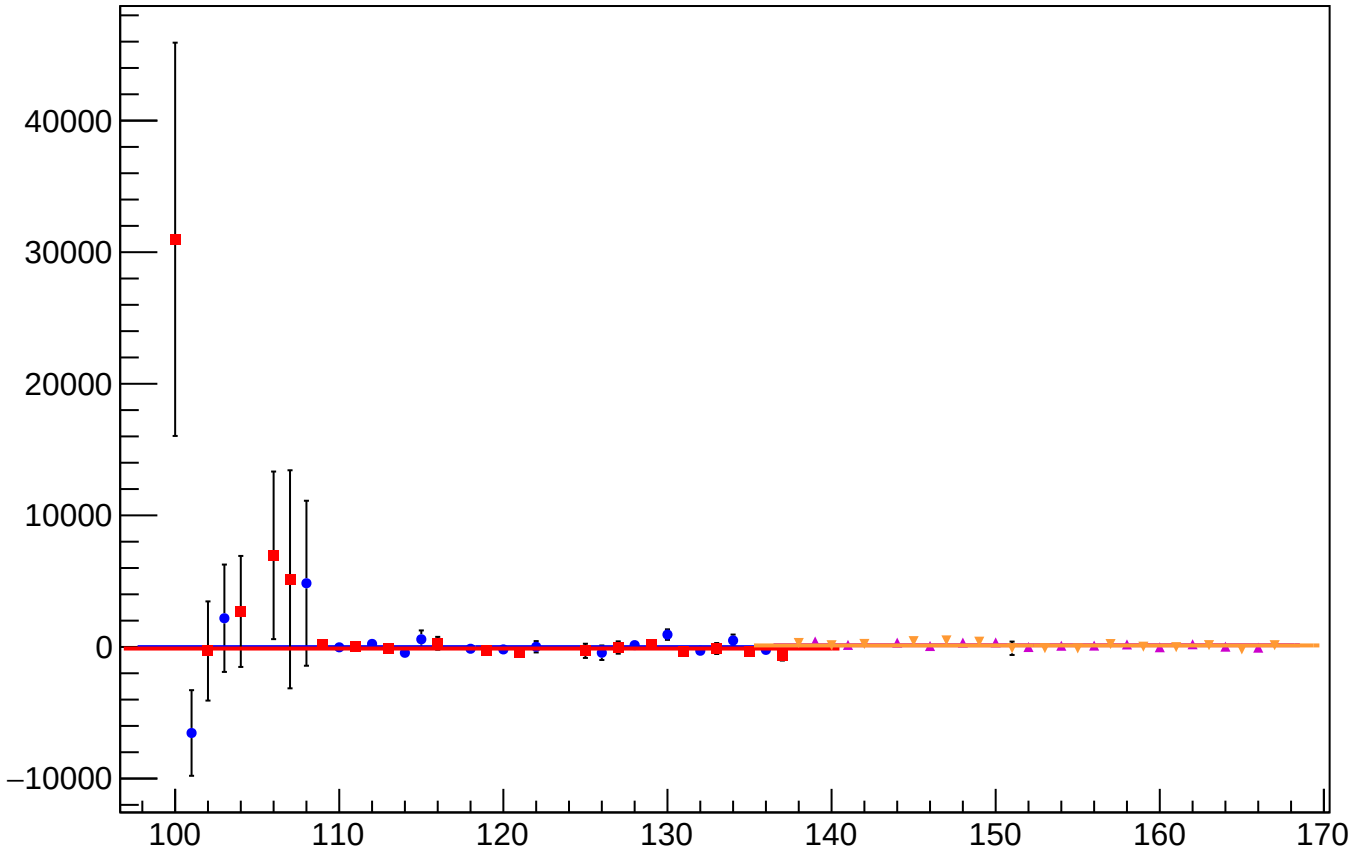
Left: 25.040+/-0.004 χ^2/NDF: 24618.4/28

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.104+/-0.004 χ^2/NDF:31831.9/29

Out: 25.161+/-0.004 χ^2/NDF:23968.1/32

All: 25.132+/-0.003 χ^2/NDF: 55896.6/62



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 115.774+/-67.318 χ^2/NDF:7.7/14

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 135.413+/-57.317 χ^2/NDF:5.3/13

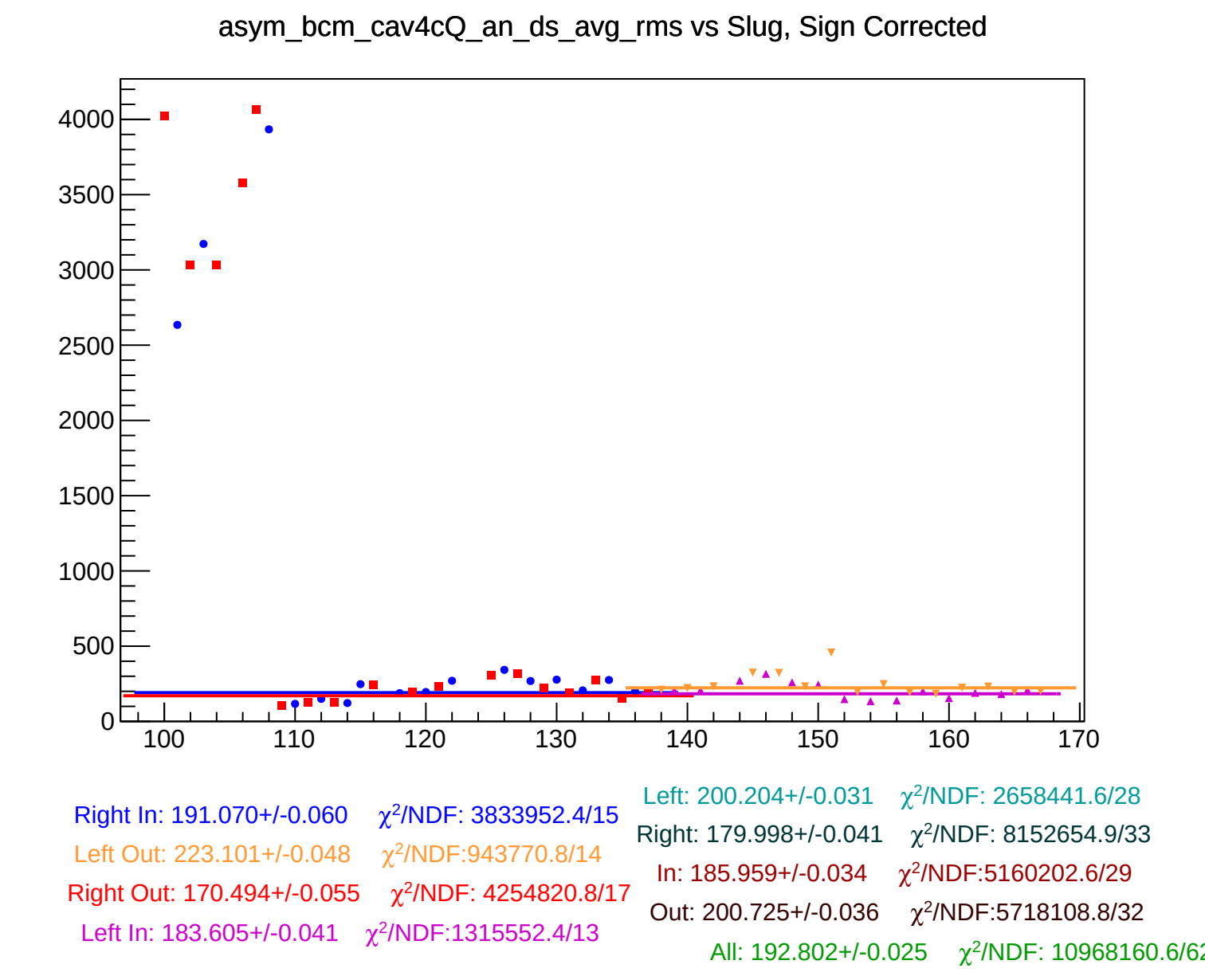
Left: 127.159+/-43.641 χ^2/NDF: 13.1/28

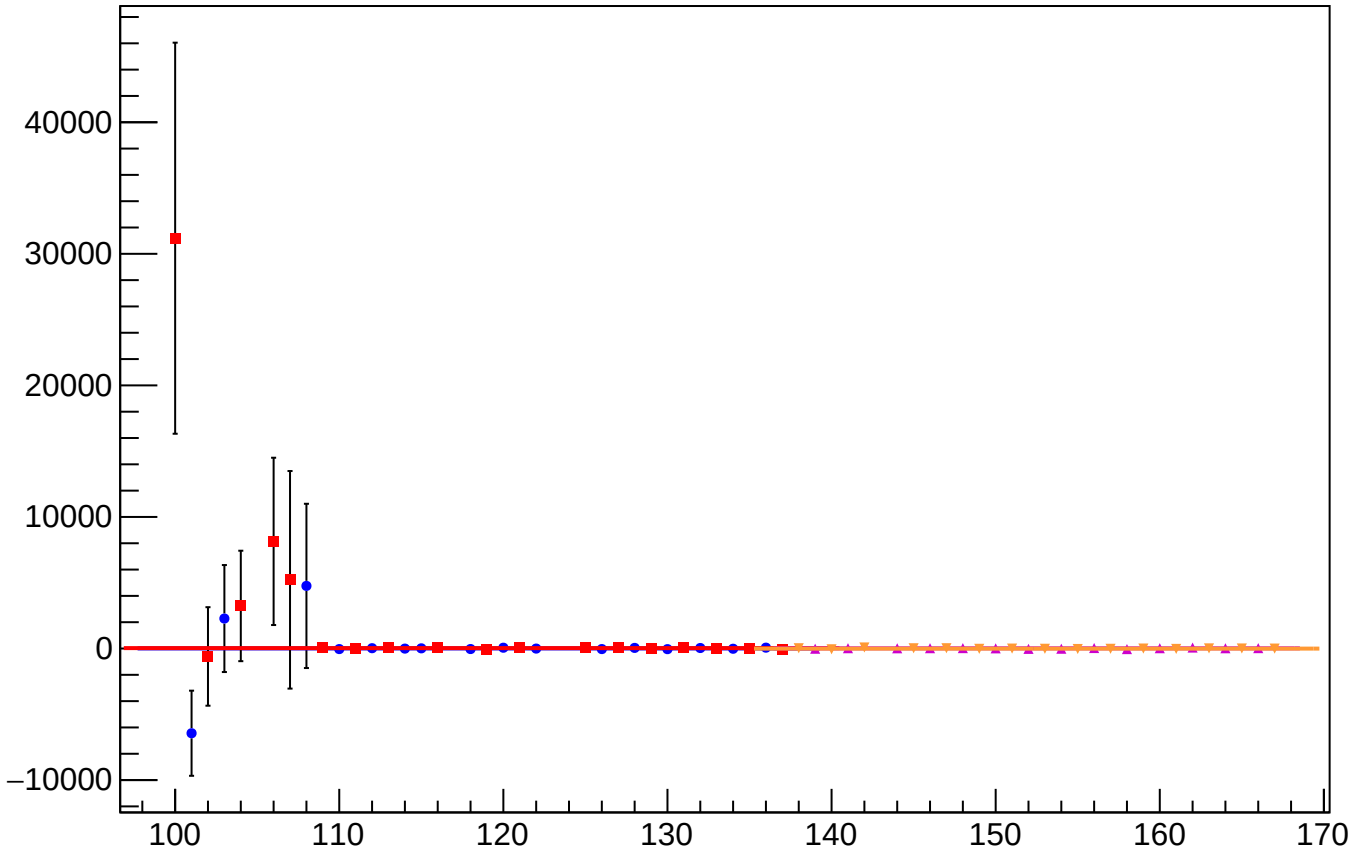
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 88.560+/-47.426 χ^2/NDF:25.8/29

Out: 15.497+/-51.031 χ^2/NDF:27.3/32

All: 54.700+/-34.740 χ^2/NDF: 54.2/62


asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
Right In: 191.070+/-0.060 χ2/NDF: 3833952.4/15
Left Out: 223.101+/-0.048 χ2/NDF:943770.8/14
Right Out: 170.494+/-0.055 χ2/NDF: 4254820.8/17
Left In: 183.605+/-0.041 χ2/NDF:1315552.4/13
Left: 200.204+/-0.031 χ2/NDF: 2658441.6/28
Right: 179.998+/-0.041 χ2/NDF: 8152654.9/33
In: 185.959+/-0.034 χ2/NDF:5160202.6/29
Out: 200.725+/-0.036 χ2/NDF:5718108.8/32
All: 192.802+/-0.025 χ2/NDF: 10968160.6/62



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.112+/-8.427 χ^2/NDF:10.7/14

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 13.379+/-8.581 χ^2/NDF:12.4/13

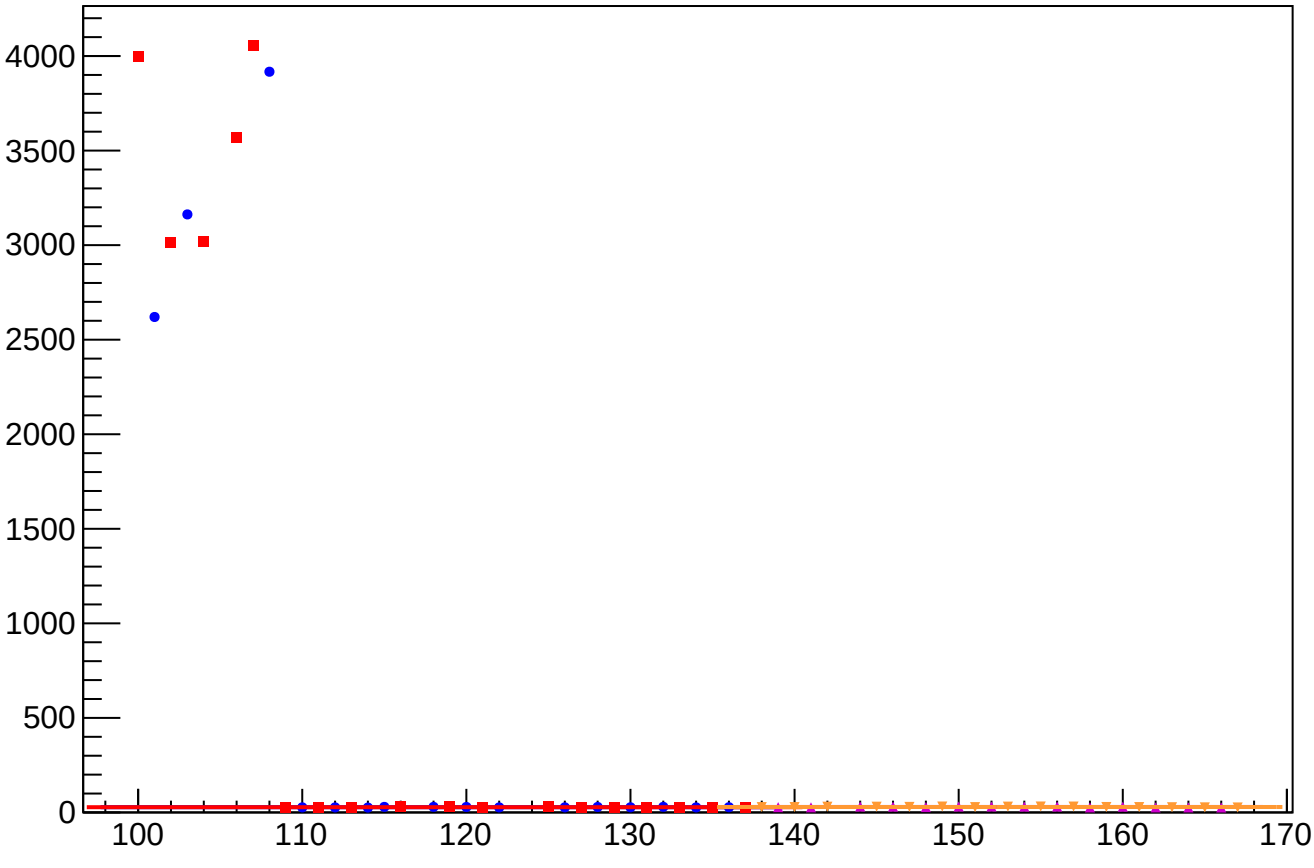
Left: 2.948+/-6.012 χ^2/NDF: 26.0/28

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 10.986+/-6.933 χ^2/NDF:30.9/29

Out: 5.273+/-6.912 χ^2/NDF:37.2/32

All: 8.121+/-4.895 χ^2/NDF: 68.4/62



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.883+/-0.006 χ^2/NDF:69722.3/14

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.032+/-0.006 χ^2/NDF:107641.5/13

Left: 28.956+/-0.004 χ^2/NDF: 177671.9/28

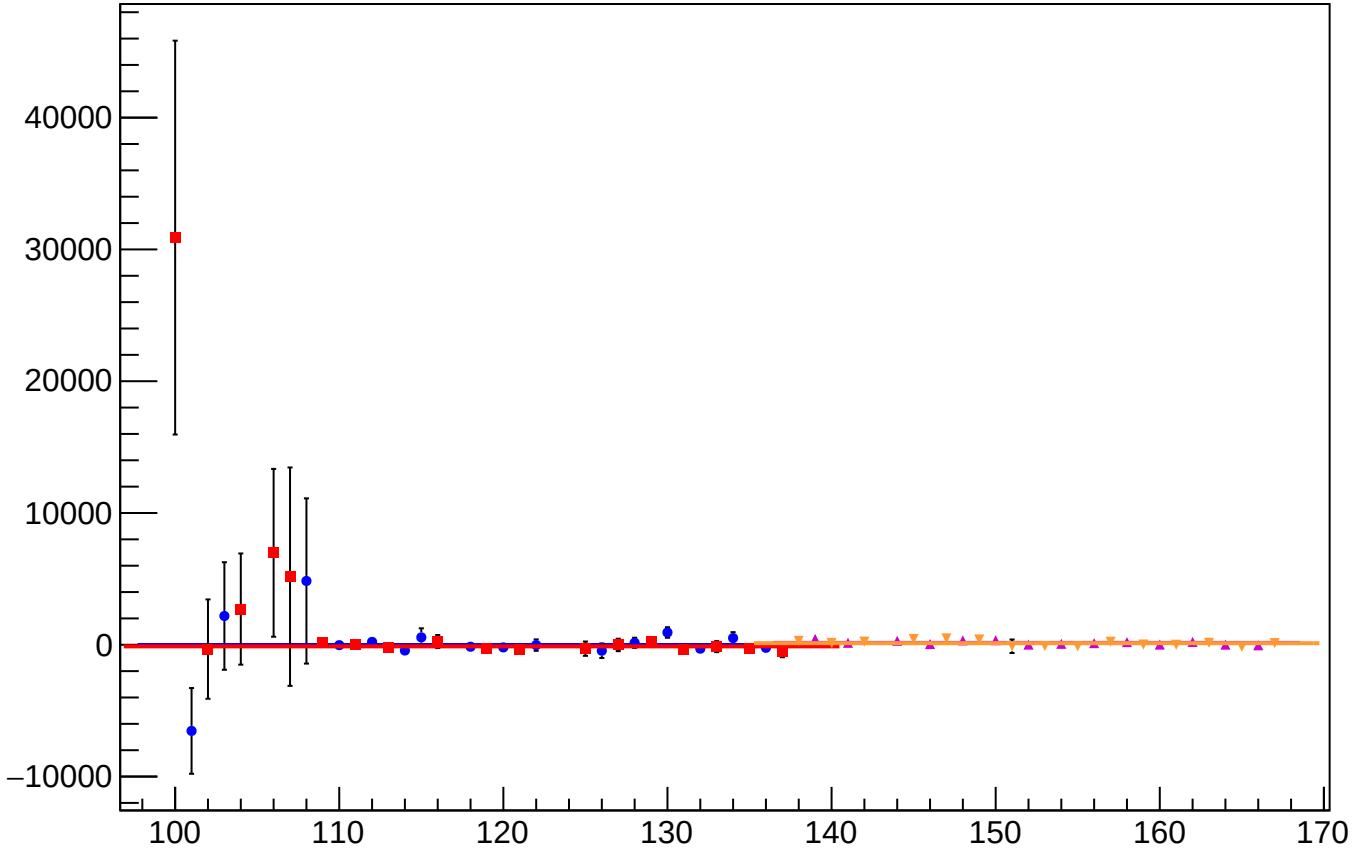
Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.613+/-0.005 χ^2/NDF:3387284.9/29

Out: 28.521+/-0.005 χ^2/NDF:3639365.3/32

All: 28.567+/-0.003 χ^2/NDF: 7026824.6/62

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.533+/-67.840 χ^2/NDF:7.4/14

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 141.633+/-57.862 χ^2/NDF:5.2/13

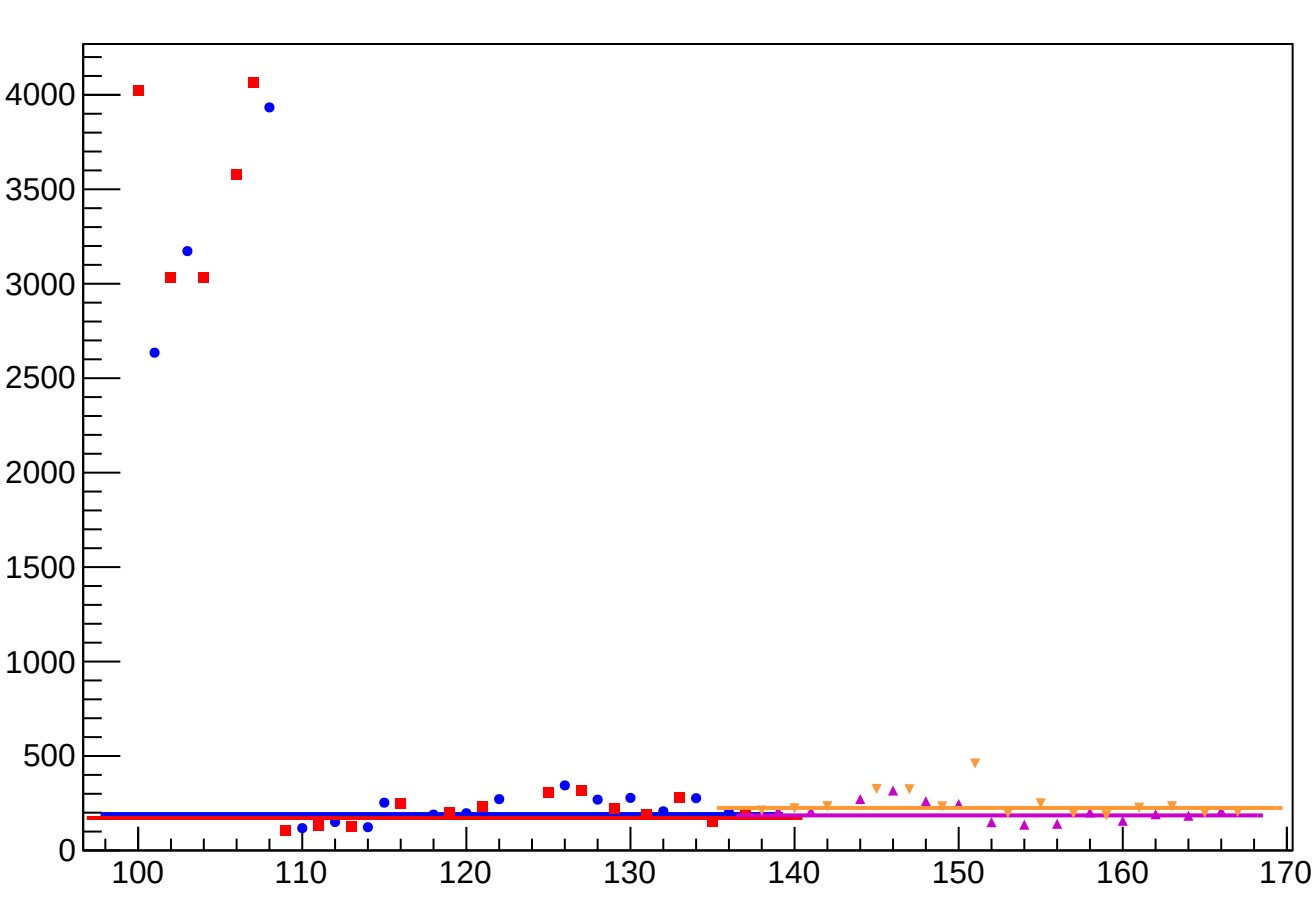
Left: 132.748+/-44.024 χ^2/NDF: 12.7/28

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 90.654+/-47.843 χ^2/NDF:25.8/29

Out: 17.554+/-51.424 χ^2/NDF:26.1/32

All: 56.738+/-35.028 χ^2/NDF: 53.0/62



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 224.939+/-0.048 χ^2/NDF:929349.7/14

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 185.552+/-0.041 χ^2/NDF:1275555.8/13

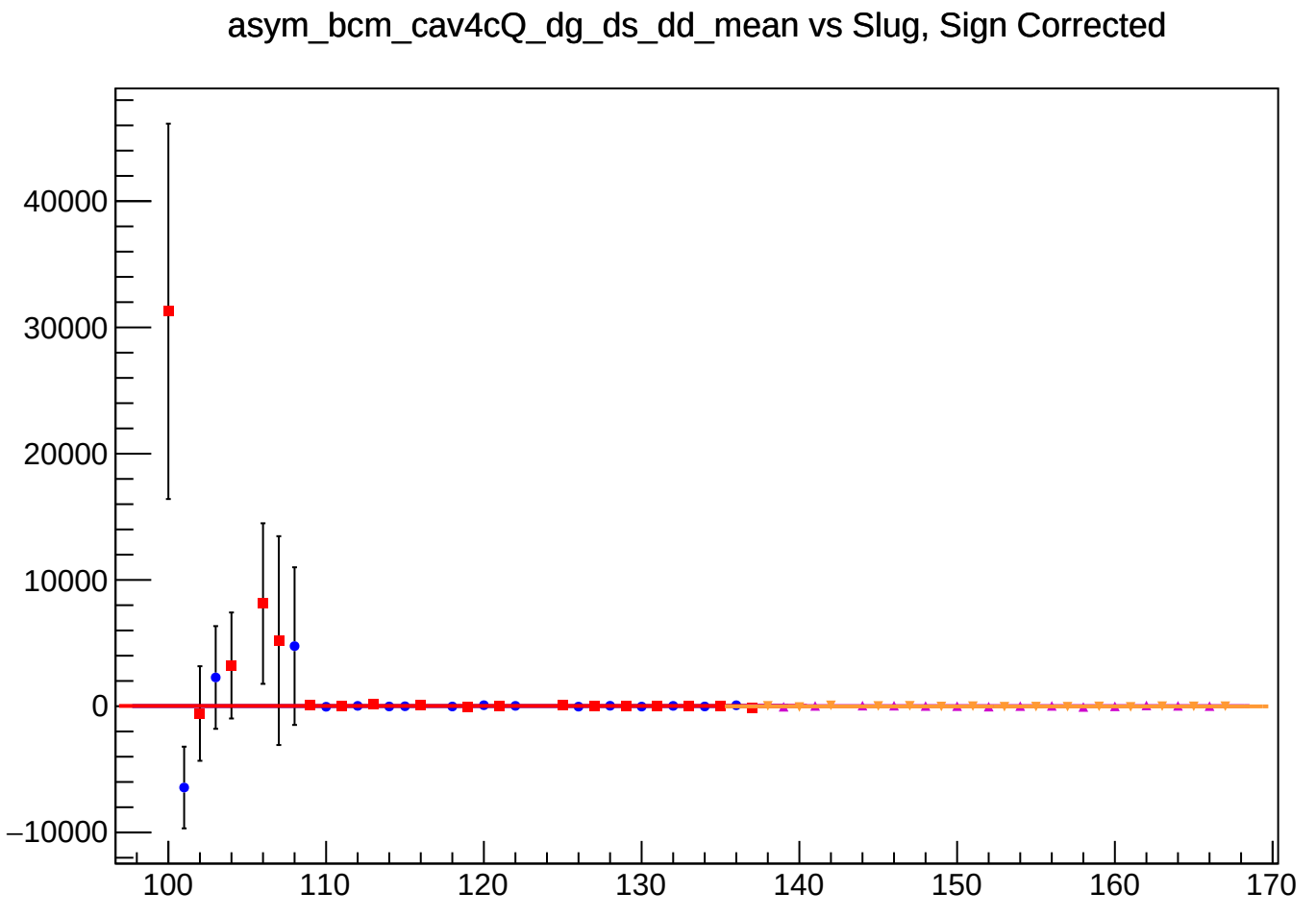
Left: 202.139+/-0.031 χ^2/NDF: 2595161.3/28

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.769+/-0.034 χ^2/NDF:5107625.2/29

Out: 202.376+/-0.036 χ^2/NDF:5697232.1/32

All: 194.546+/-0.025 χ^2/NDF: 10891350.8/62



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.188+/-9.067 χ^2/NDF:11.5/14

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 10.647+/-9.227 χ^2/NDF:14.0/13

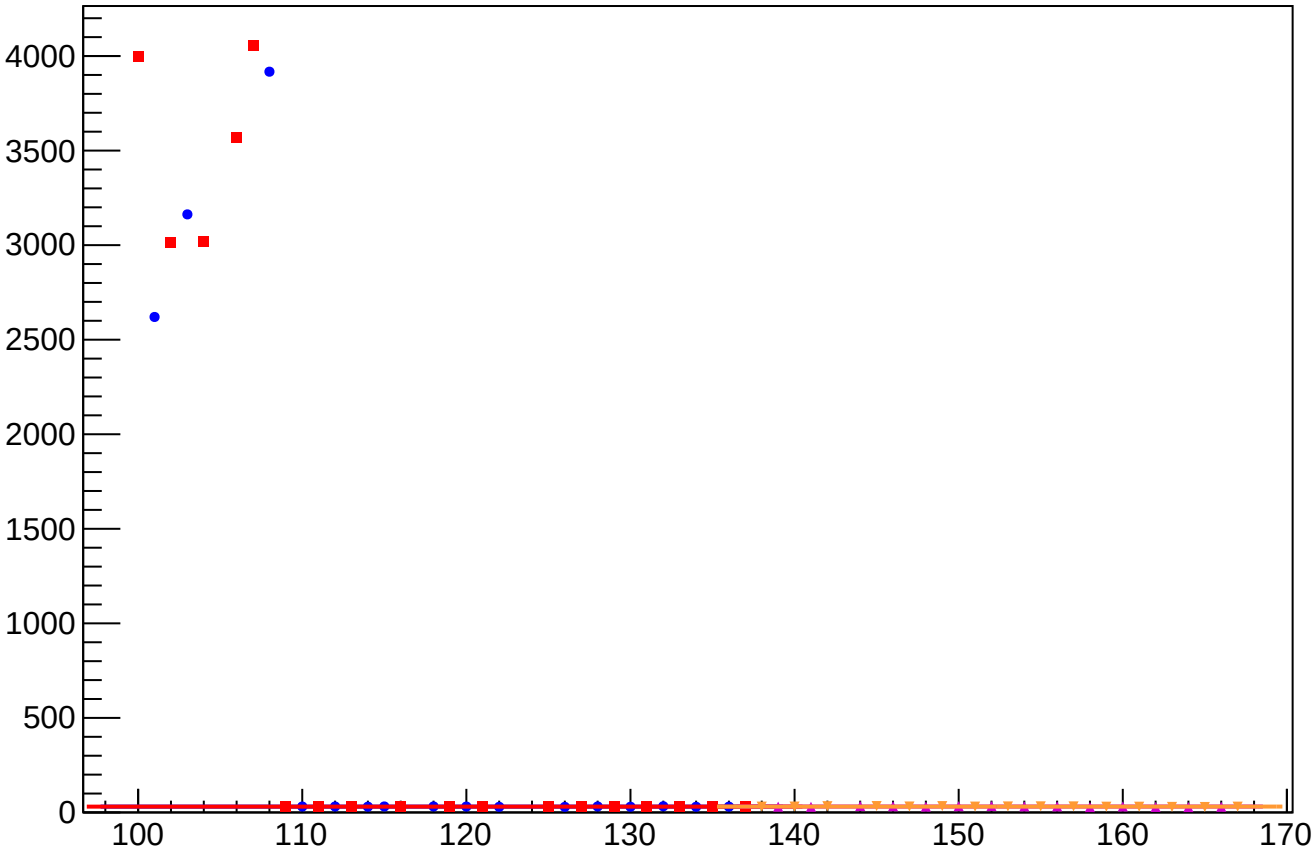
Left: -1.987+/-6.467 χ^2/NDF: 29.2/28

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 11.667+/-7.536 χ^2/NDF:29.5/29

Out: -2.832+/-7.506 χ^2/NDF:44.9/32

All: 4.389+/-5.318 χ^2/NDF: 76.2/62



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.104+/-0.006 χ^2/NDF:41673.5/14

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.239+/-0.007 χ^2/NDF:76642.5/13

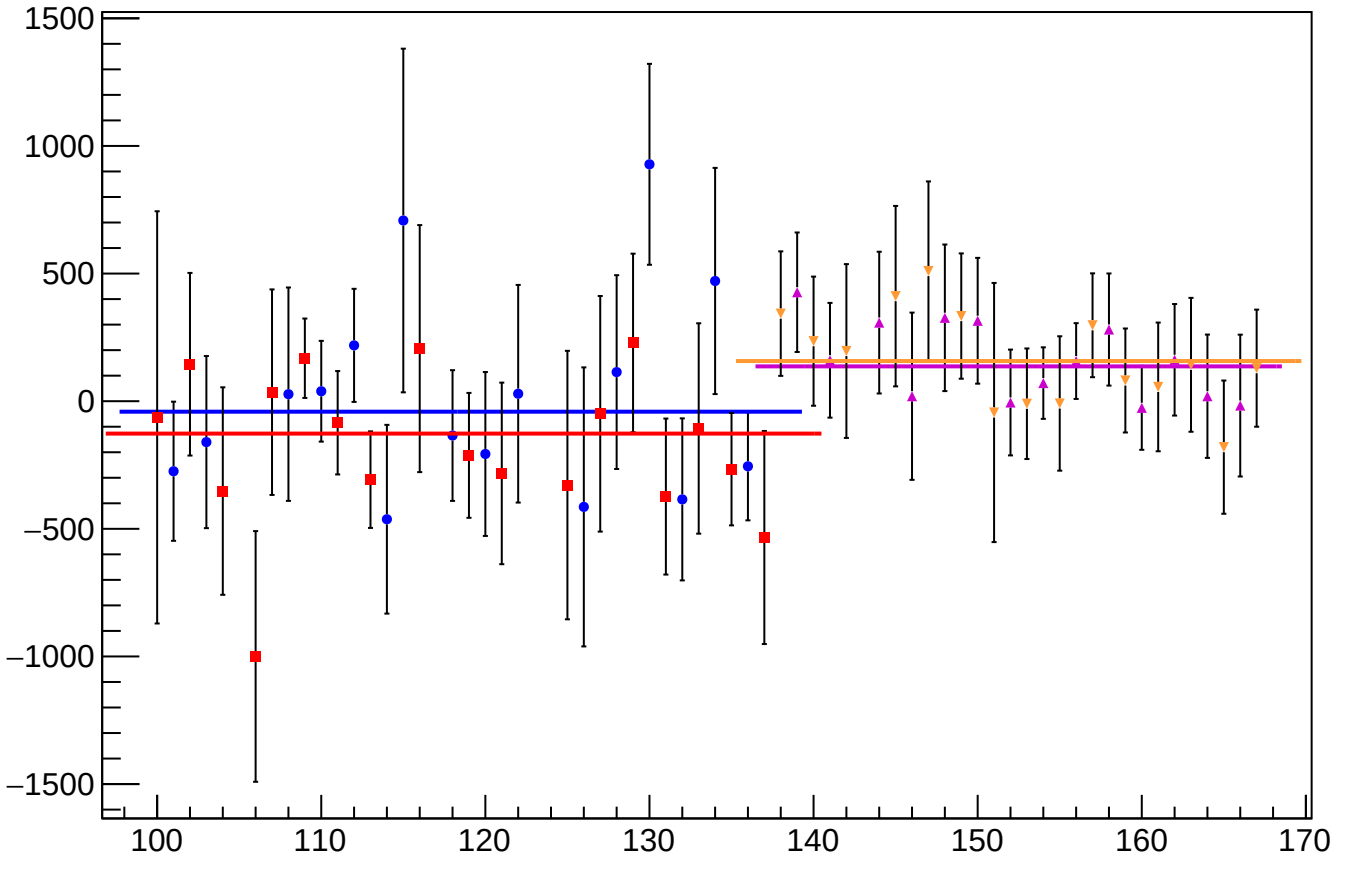
Left: 31.170+/-0.005 χ^2/NDF: 118533.0/28

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.135+/-0.005 χ^2/NDF:3330003.6/29

Out: 31.010+/-0.005 χ^2/NDF:3578321.8/32

All: 31.072+/-0.004 χ^2/NDF: 6908605.1/62



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 157.334+/-66.574 χ^2/NDF:6.3/14

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 136.417+/-56.140 χ^2/NDF:5.7/13

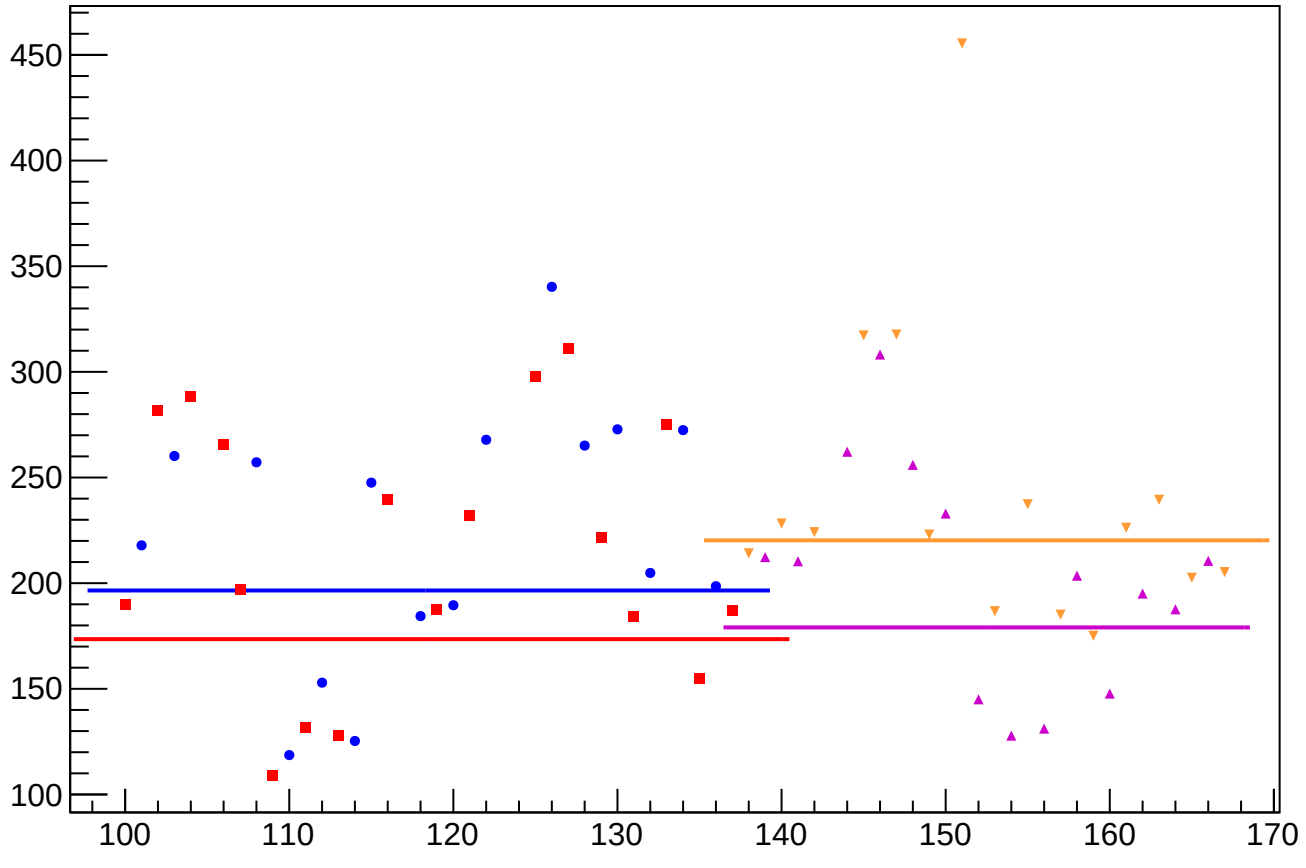
Left: 145.110+/-42.917 χ^2/NDF: 12.1/28

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 74.945+/-45.391 χ^2/NDF:24.8/29

Out: 21.088+/-48.037 χ^2/NDF:27.9/32

All: 49.540+/-32.992 χ^2/NDF: 53.3/62



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 220.274+/-0.047 χ^2/NDF:981273.2/14

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 179.058+/-0.040 χ^2/NDF:1474198.2/13

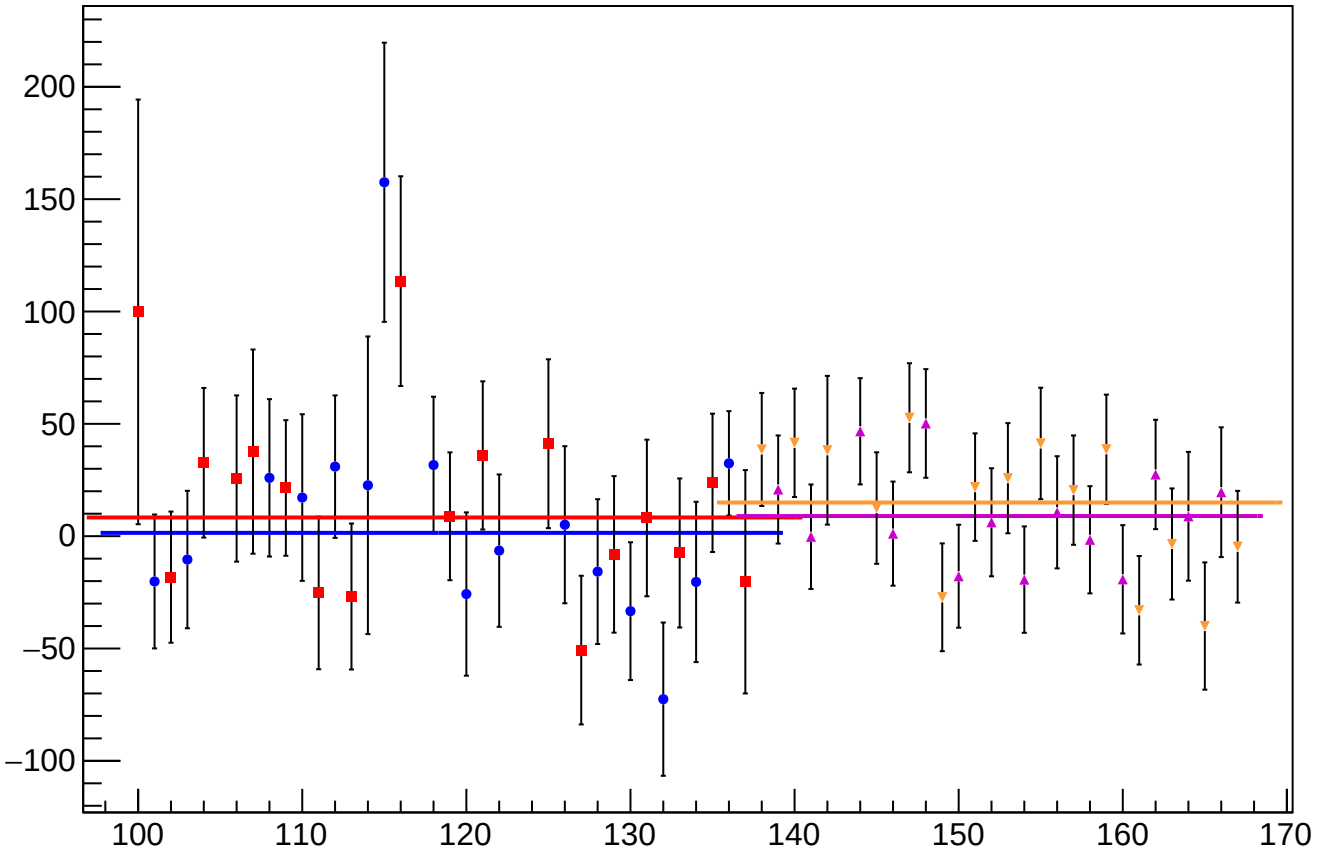
Left: 196.186+/-0.030 χ^2/NDF: 2903467.7/28

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

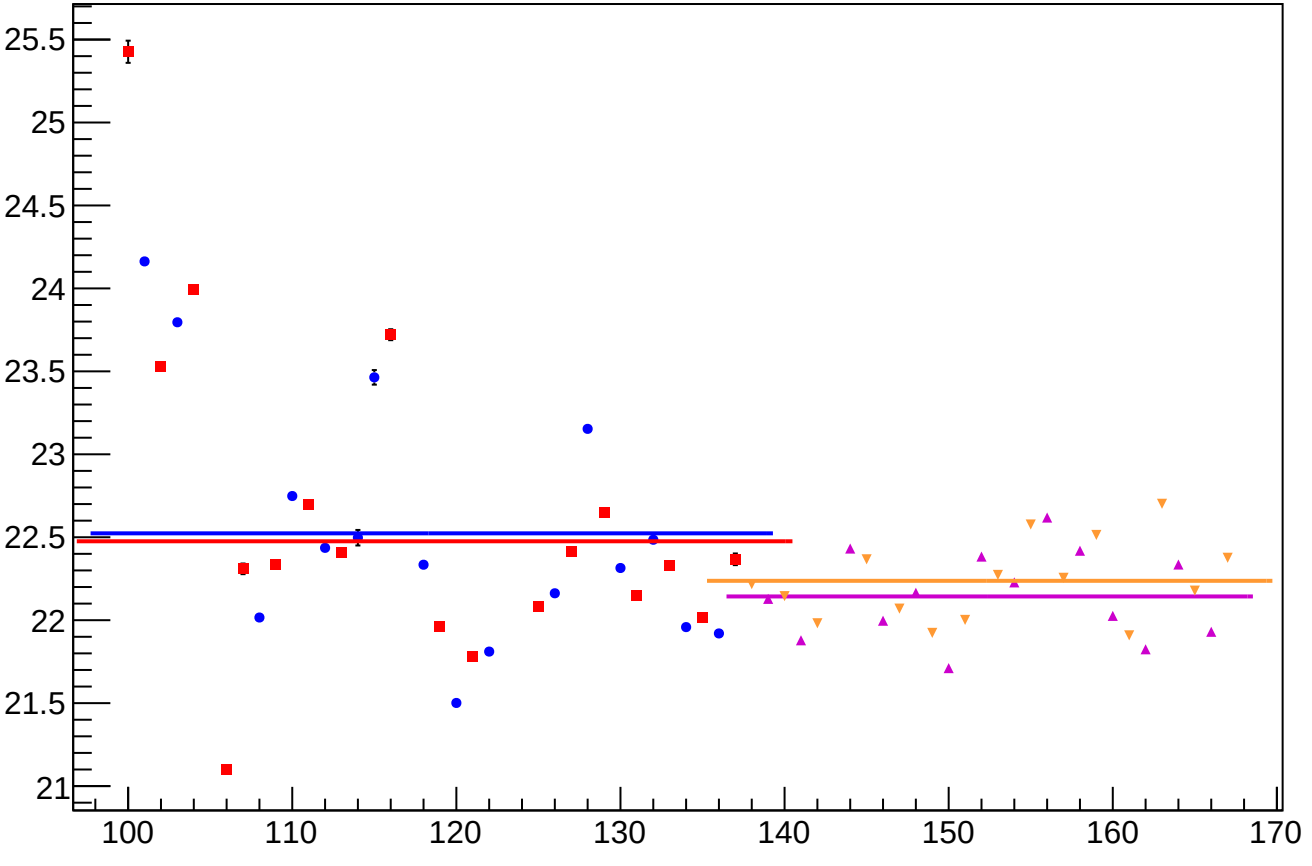
In: 185.112+/-0.032 χ^2/NDF:2542141.2/29

Out: 197.857+/-0.034 χ^2/NDF:2987042.9/32

All: 191.124+/-0.023 χ^2/NDF: 5603562.0/62


asym_bcm_dg_us_an_us_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 1.475+/-8.370 χ²/NDF: 18.7/15
Left Out: 14.991+/-6.469 χ²/NDF:19.4/14
Right Out: 8.329+/-8.286 χ²/NDF: 16.0/17
Left In: 8.962+/-6.518 χ²/NDF:11.0/13
Left: 11.999+/-4.591 χ²/NDF: 30.9/28
Right: 4.937+/-5.889 χ²/NDF: 35.0/33
In: 6.136+/-5.143 χ²/NDF:30.2/29
Out: 12.468+/-5.099 χ²/NDF:35.8/32
All: 9.329+/-3.621 χ²/NDF: 66.8/62

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.237+/-0.005 χ^2/NDF:2621.4/14

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.143+/-0.005 χ^2/NDF:3156.0/13

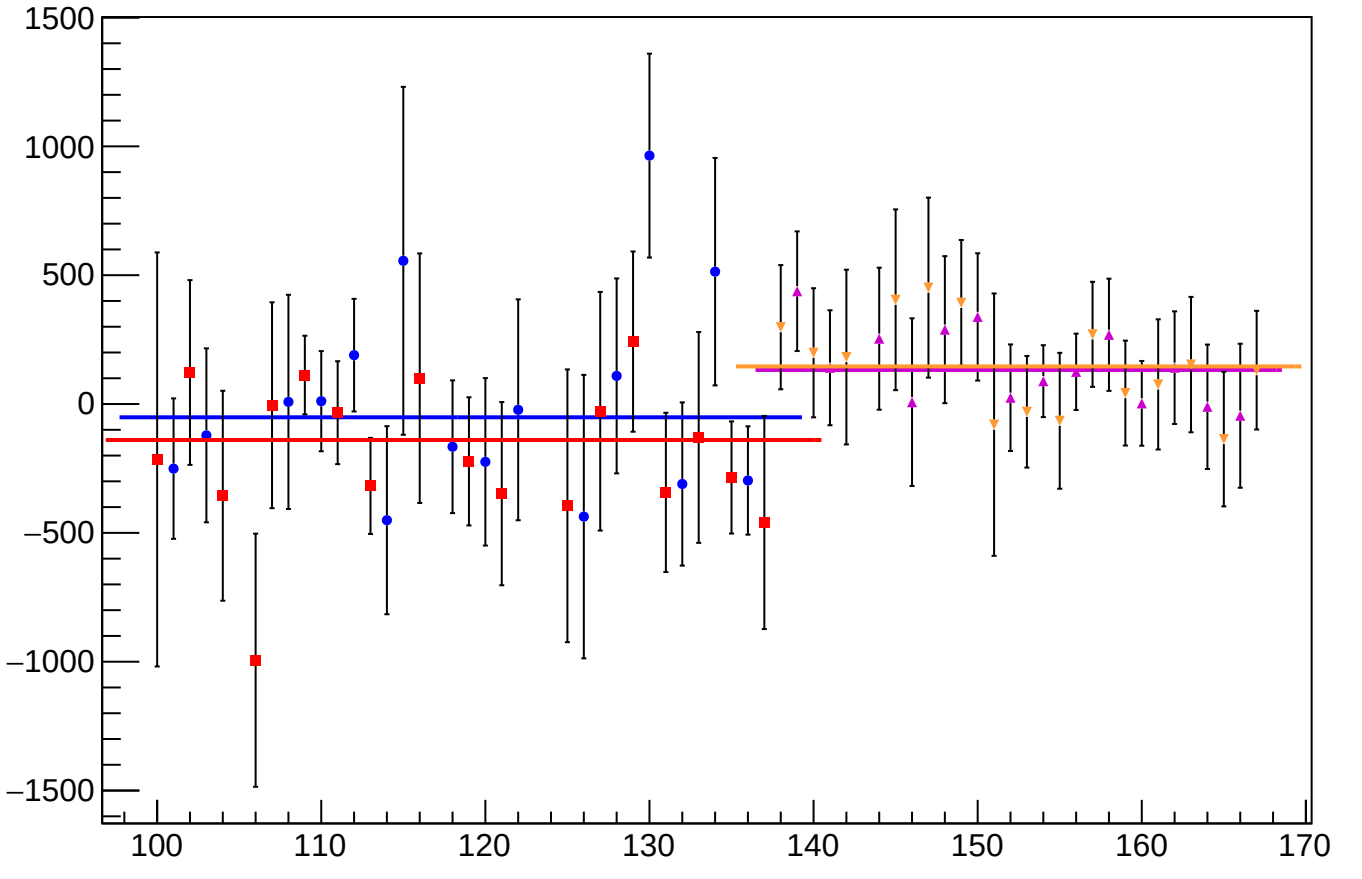
Left: 22.191+/-0.003 χ^2/NDF: 5988.0/28

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.287+/-0.004 χ^2/NDF:21675.5/29

Out: 22.328+/-0.004 χ^2/NDF:19185.8/32

All: 22.307+/-0.003 χ^2/NDF: 40925.0/62



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 145.903+/-66.459 χ^2/NDF:6.2/14

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 132.311+/-55.979 χ^2/NDF:5.2/13

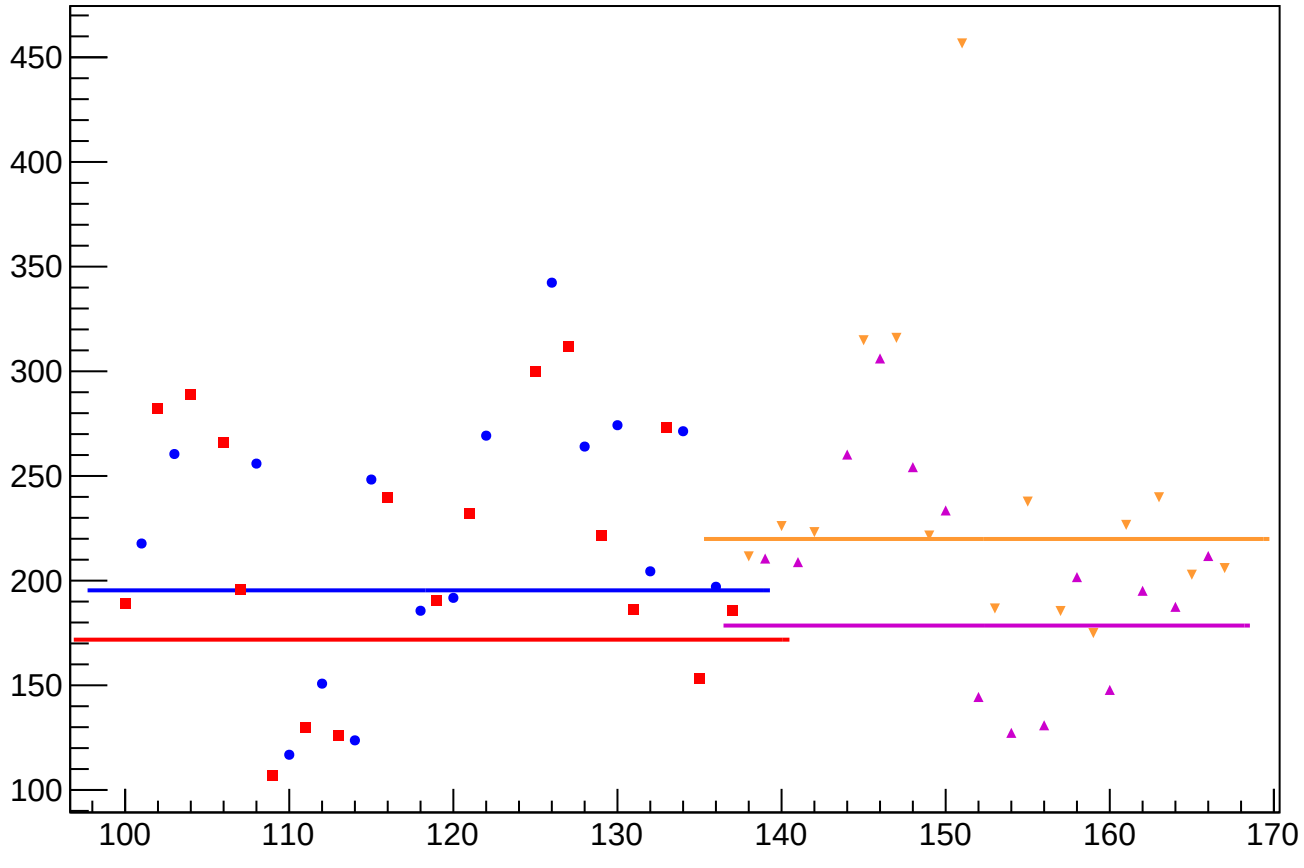
Left: 137.952+/-42.814 χ^2/NDF: 11.4/28

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 68.538+/-45.237 χ^2/NDF:24.3/29

Out: 8.301+/-47.829 χ^2/NDF:26.6/32

All: 40.096+/-32.866 χ^2/NDF: 51.7/62



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 219.903+/-0.047 χ^2/NDF:973586.2/14

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 178.541+/-0.040 χ^2/NDF:1463630.0/13

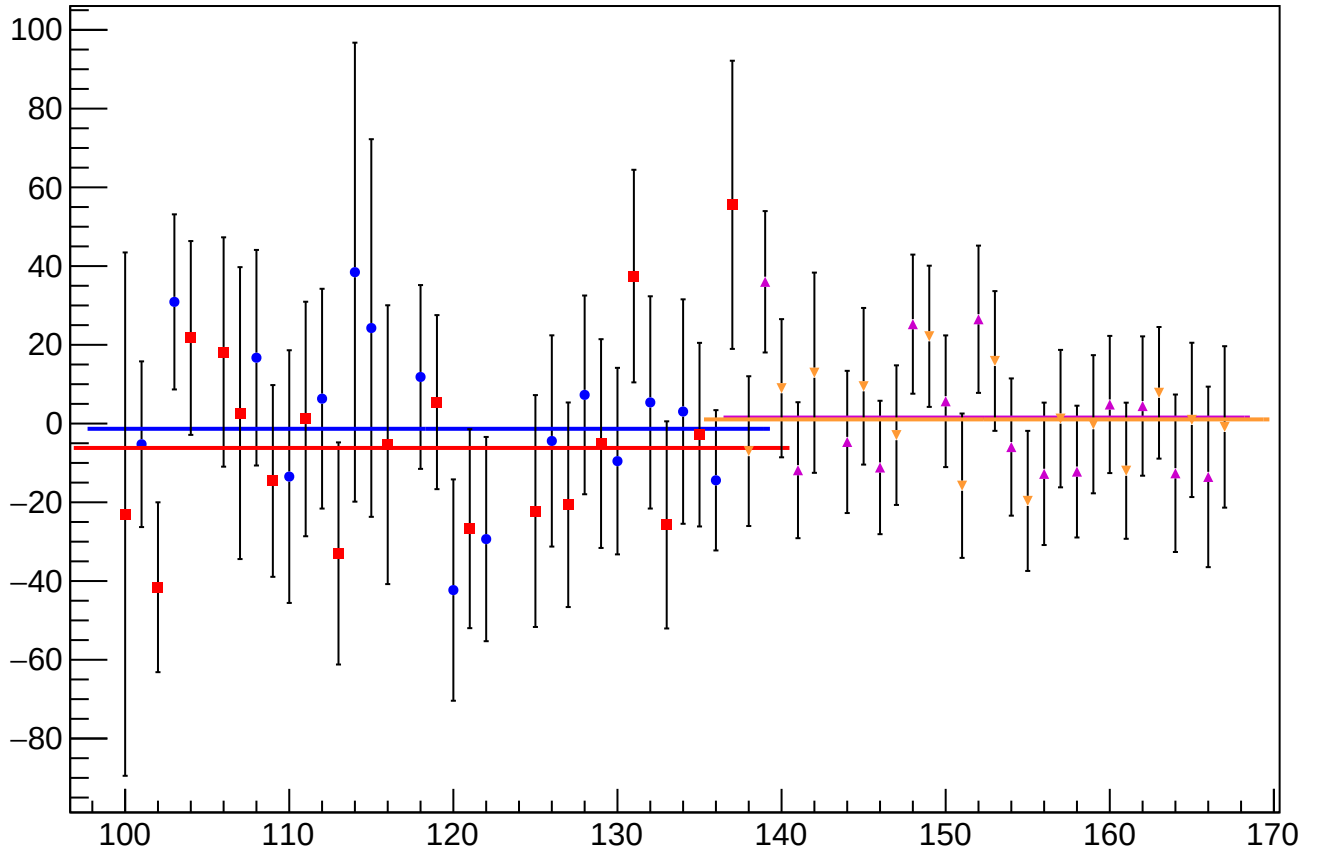
Left: 195.707+/-0.030 χ^2/NDF: 2890393.1/28

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 184.377+/-0.032 χ^2/NDF:2567713.2/29

Out: 196.717+/-0.034 χ^2/NDF:3079232.2/32

All: 190.203+/-0.023 χ^2/NDF: 5717218.6/62



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.055+/-4.761 χ^2/NDF:5.9/14

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 1.526+/-4.797 χ^2/NDF:11.1/13

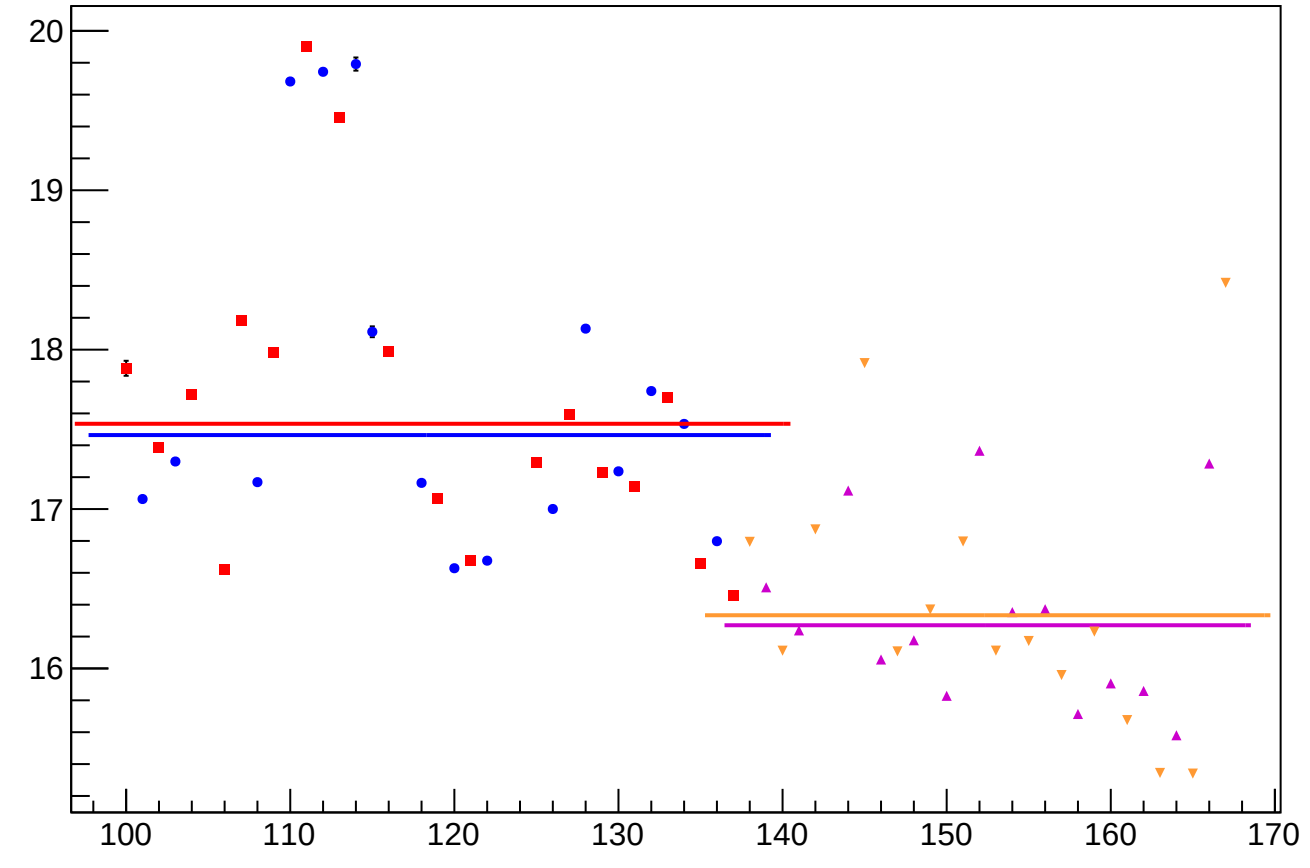
Left: 1.289+/-3.379 χ^2/NDF: 17.0/28

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 0.518+/-3.860 χ^2/NDF:19.2/29

Out: -1.491+/-3.835 χ^2/NDF:20.1/32

All: -0.493+/-2.721 χ^2/NDF: 39.5/62



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.334+/-0.003 χ^2/NDF:53838.4/14

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.271+/-0.003 χ^2/NDF:23945.0/13

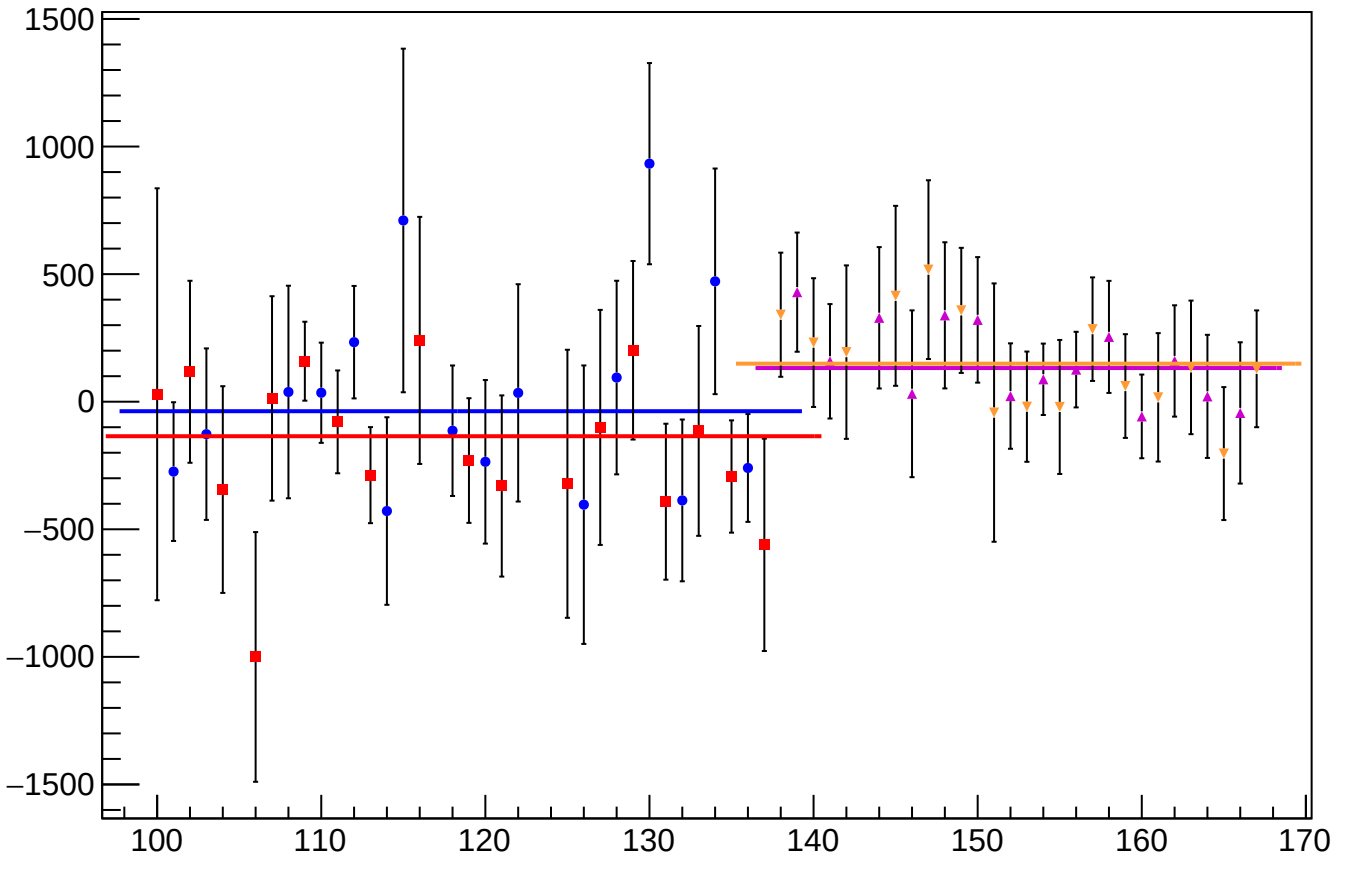
Left: 16.303+/-0.002 χ^2/NDF: 77955.9/28

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.692+/-0.003 χ^2/NDF:104233.8/29

Out: 16.756+/-0.003 χ^2/NDF:133014.0/32

All: 16.724+/-0.002 χ^2/NDF: 237521.2/62



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 149.151+/-66.427 χ^2/NDF:7.1/14

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 131.923+/-56.028 χ^2/NDF:6.0/13

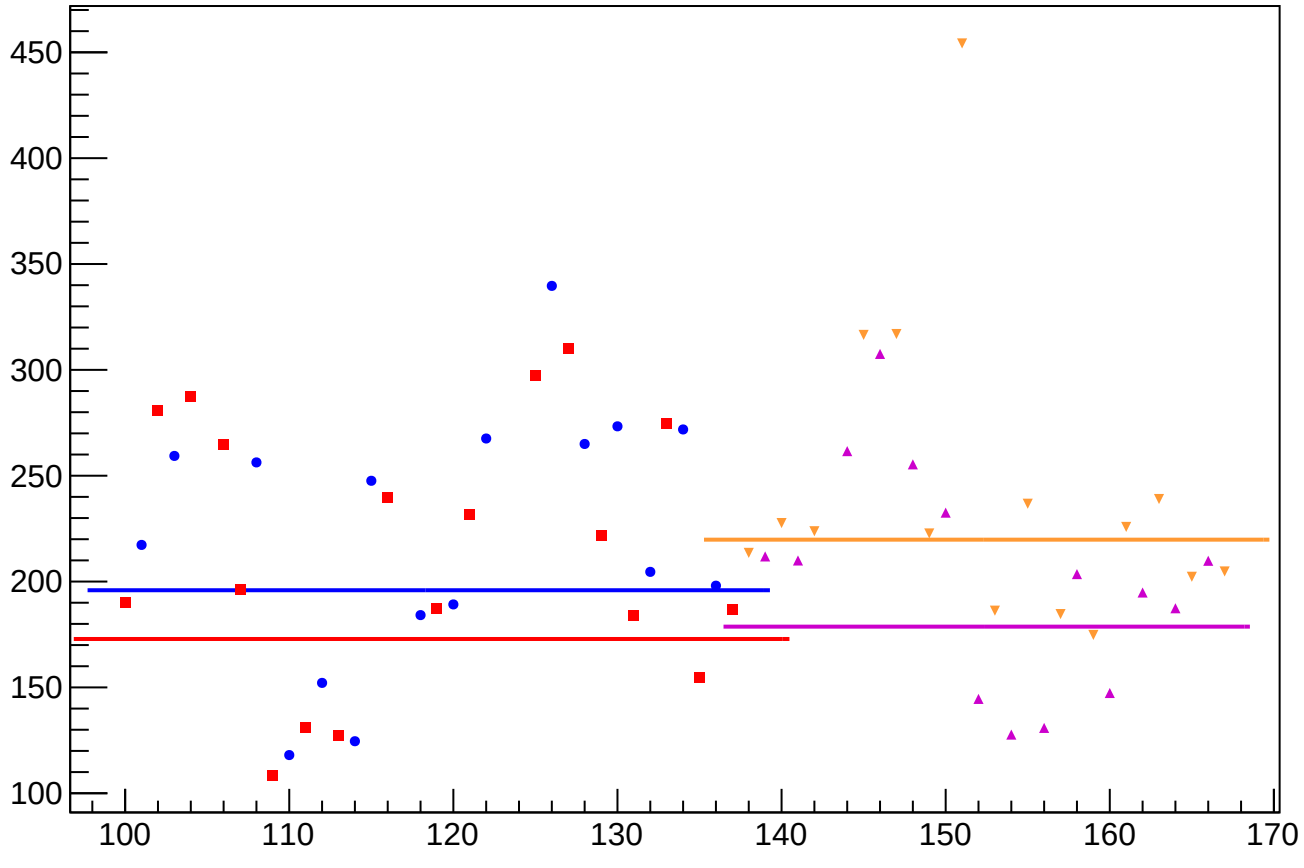
Left: 139.084+/-42.828 χ^2/NDF: 13.1/28

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 73.278+/-45.287 χ^2/NDF:24.8/29

Out: 12.661+/-47.907 χ^2/NDF:28.7/32

All: 44.672+/-32.910 χ^2/NDF: 54.3/62



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 219.791+/-0.047 χ^2/NDF:980992.8/14

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 178.704+/-0.040 χ^2/NDF:1474270.2/13

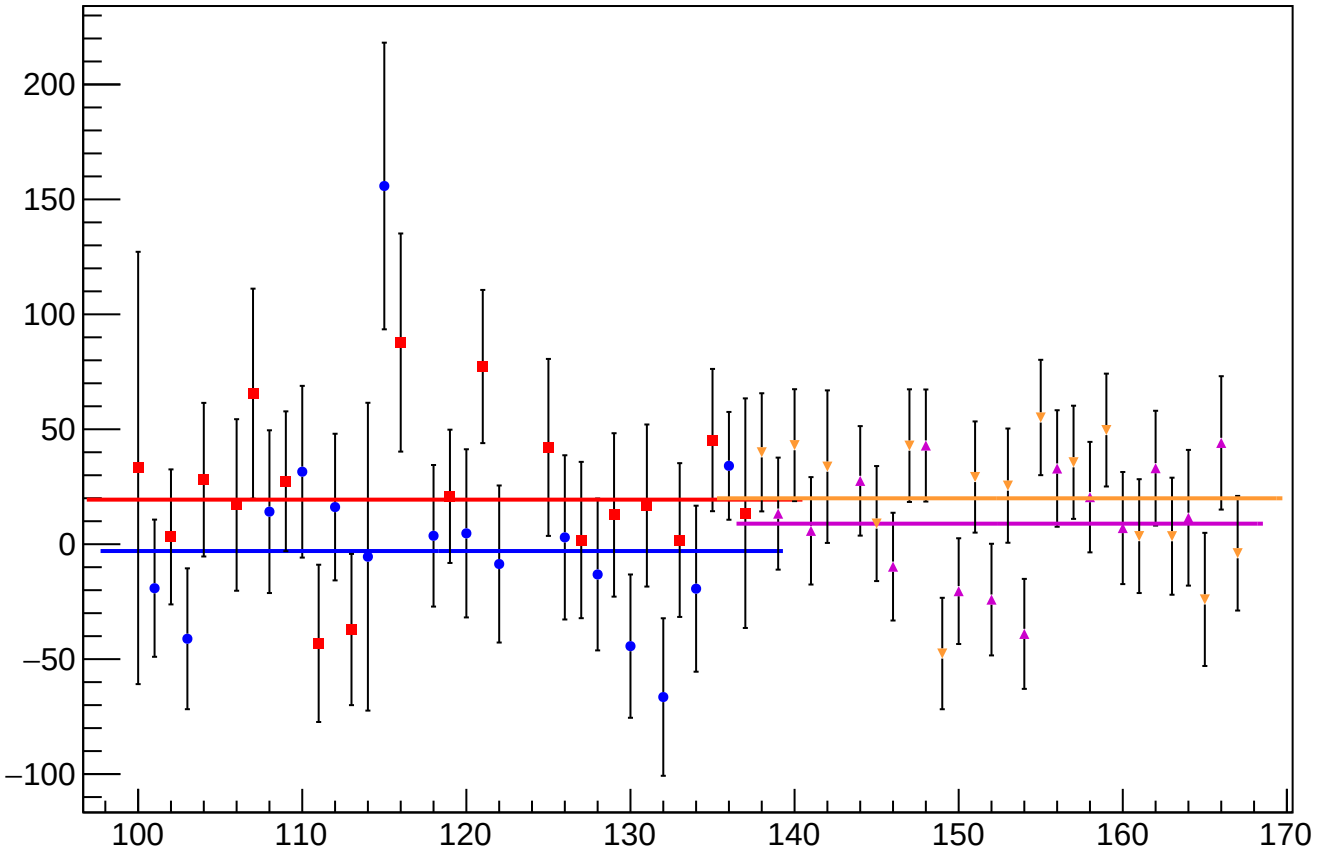
Left: 195.784+/-0.030 χ^2/NDF: 2902349.4/28

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 184.665+/-0.032 χ^2/NDF:2550590.3/29

Out: 197.276+/-0.034 χ^2/NDF:3003043.4/32

All: 190.617+/-0.023 χ^2/NDF: 5626821.7/62



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 19.969+/-6.554 χ^2/NDF:18.6/14

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 8.934+/-6.590 χ^2/NDF:14.3/13

Left: 14.482+/-4.647 χ^2/NDF: 34.3/28

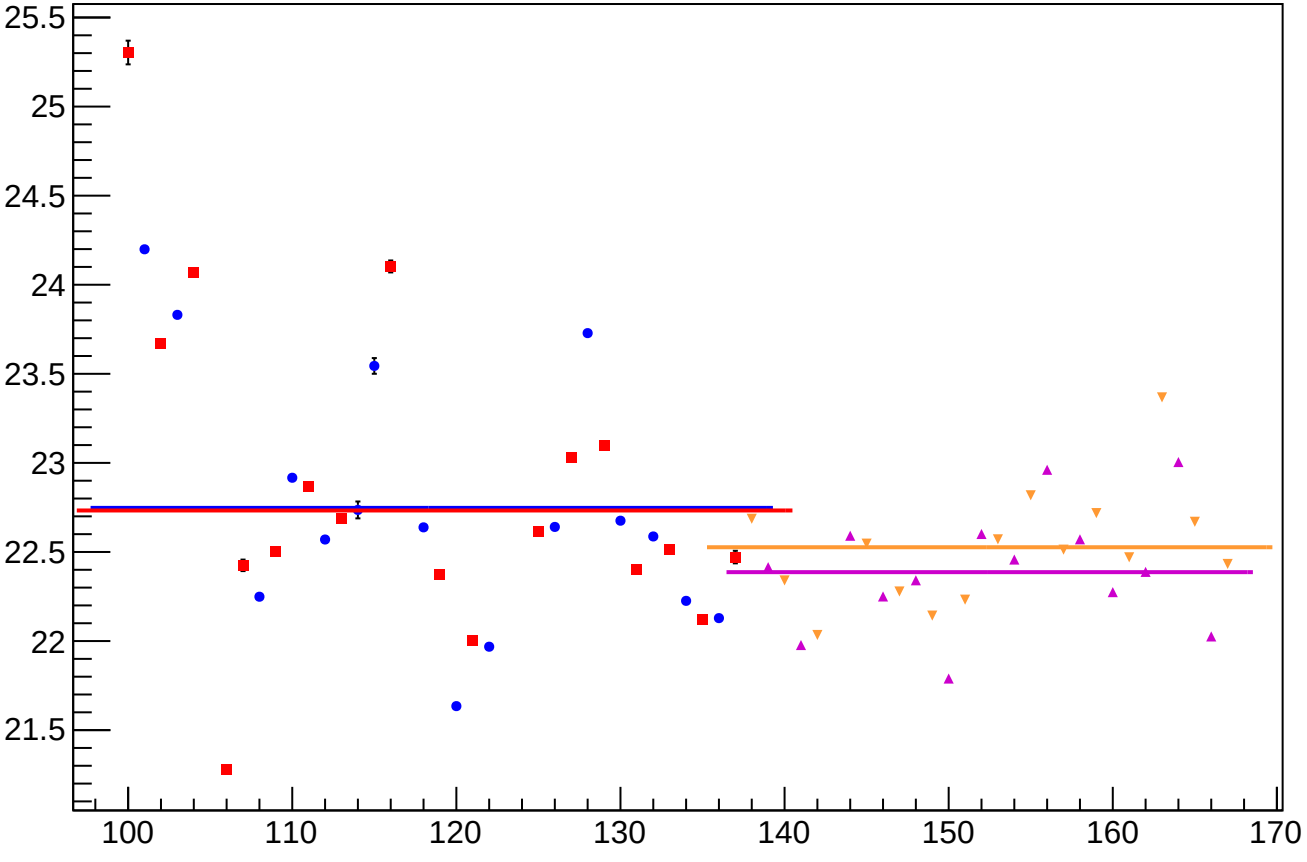
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.435+/-5.198 χ^2/NDF:33.4/29

Out: 19.748+/-5.163 χ^2/NDF:33.1/32

All: 12.143+/-3.663 χ^2/NDF: 71.0/62

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.527+/-0.005 χ^2/NDF:4308.8/14

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.387+/-0.005 χ^2/NDF:4733.0/13

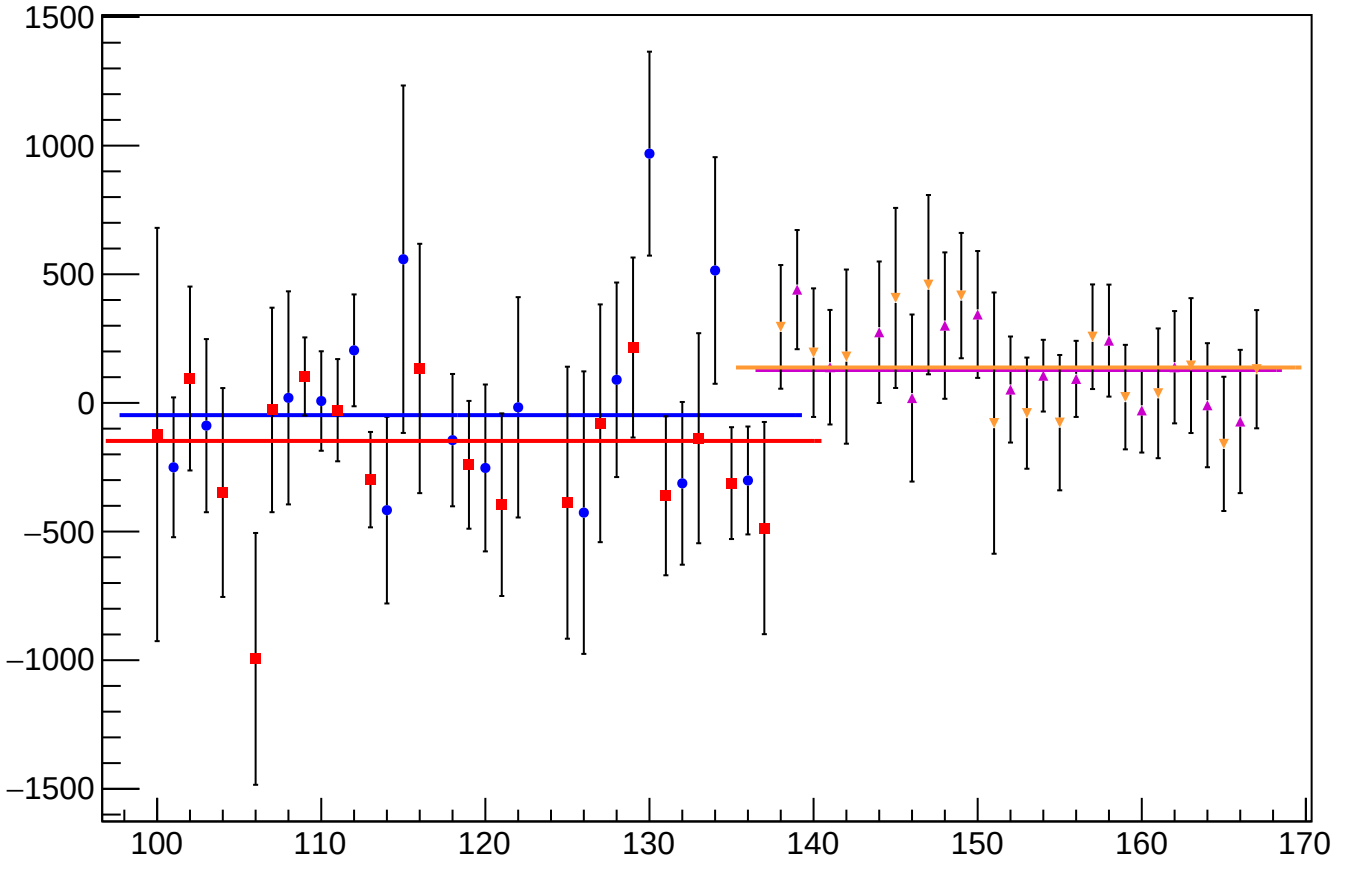
Left: 22.457+/-0.003 χ^2/NDF: 9494.1/28

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.523+/-0.004 χ^2/NDF:21620.7/29

Out: 22.605+/-0.004 χ^2/NDF:19451.0/32

All: 22.564+/-0.003 χ^2/NDF: 41320.8/62



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 137.648+/-66.312 χ^2/NDF:6.9/14

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 127.929+/-55.868 χ^2/NDF:5.6/13

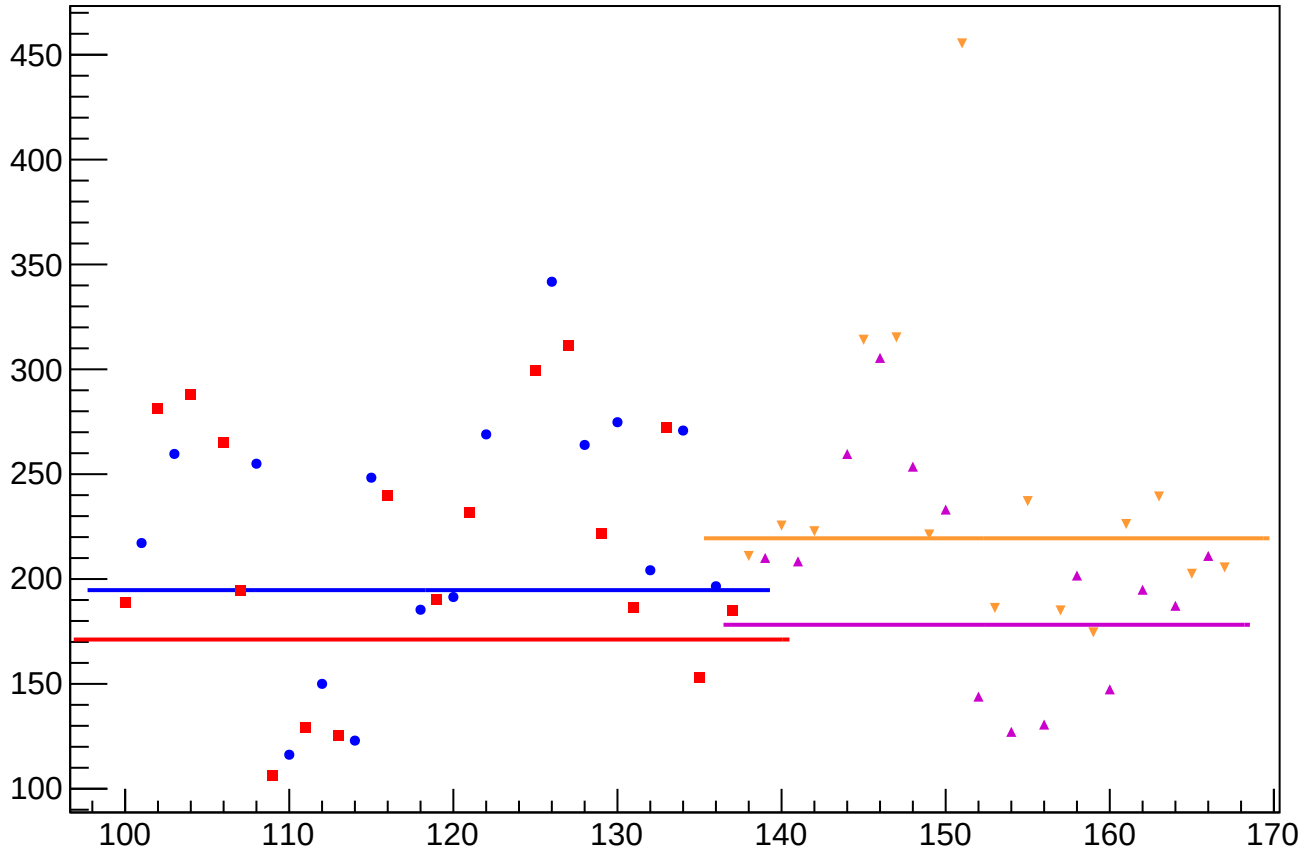
Left: 131.964+/-42.726 χ^2/NDF: 12.5/28

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 66.976+/-45.132 χ^2/NDF:24.4/29

Out: -0.119+/-47.698 χ^2/NDF:27.4/32

All: 35.282+/-32.783 χ^2/NDF: 52.8/62



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 219.421+/-0.047 χ^2/NDF:973311.7/14

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 178.190+/-0.040 χ^2/NDF:1463579.0/13

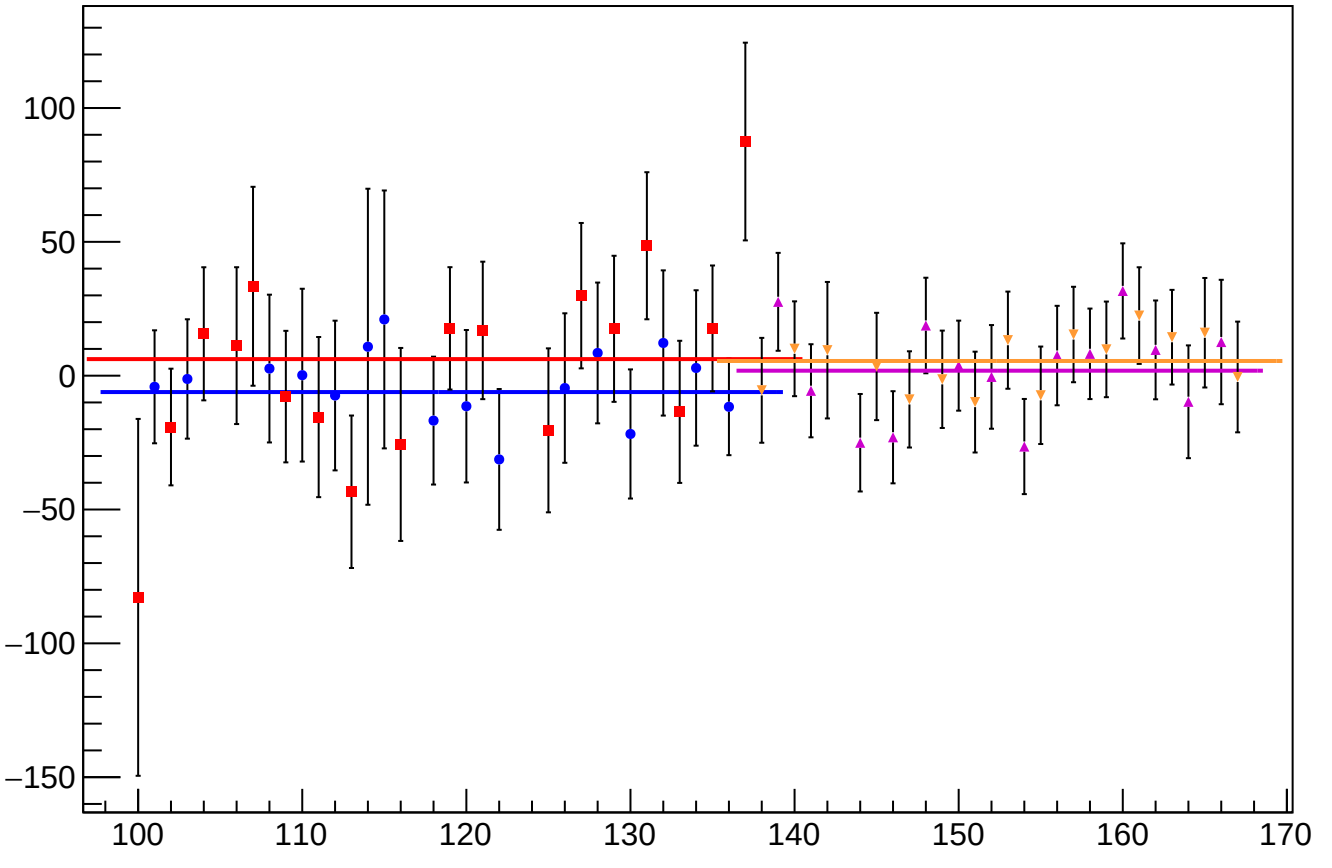
Left: 195.306+/-0.030 χ^2/NDF: 2889121.8/28

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.928+/-0.032 χ^2/NDF:2576608.5/29

Out: 196.128+/-0.034 χ^2/NDF:3096582.5/32

All: 189.691+/-0.023 χ^2/NDF: 5742224.2/62



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.492+/-4.875 χ^2/NDF:4.4/14

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 1.863+/-4.892 χ^2/NDF:13.6/13

Left: 3.684+/-3.453 χ^2/NDF: 18.3/28

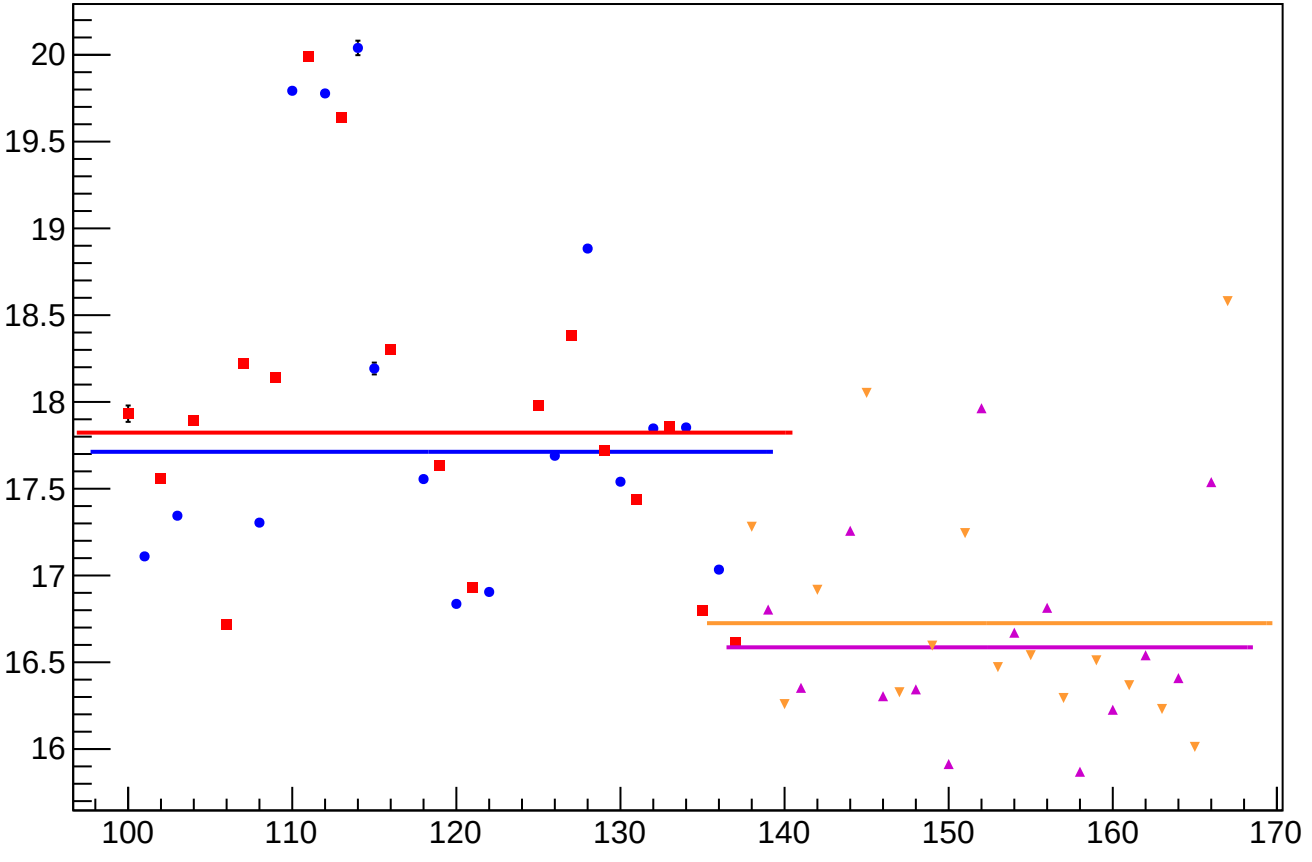
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -0.972+/-3.928 χ^2/NDF:17.7/29

Out: 5.741+/-3.917 χ^2/NDF:23.0/32

All: 2.394+/-2.774 χ^2/NDF: 42.2/62

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.725+/-0.003 χ^2/NDF:37390.4/14

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.586+/-0.003 χ^2/NDF:25851.2/13

Left: 16.656+/-0.002 χ^2/NDF: 64053.1/28

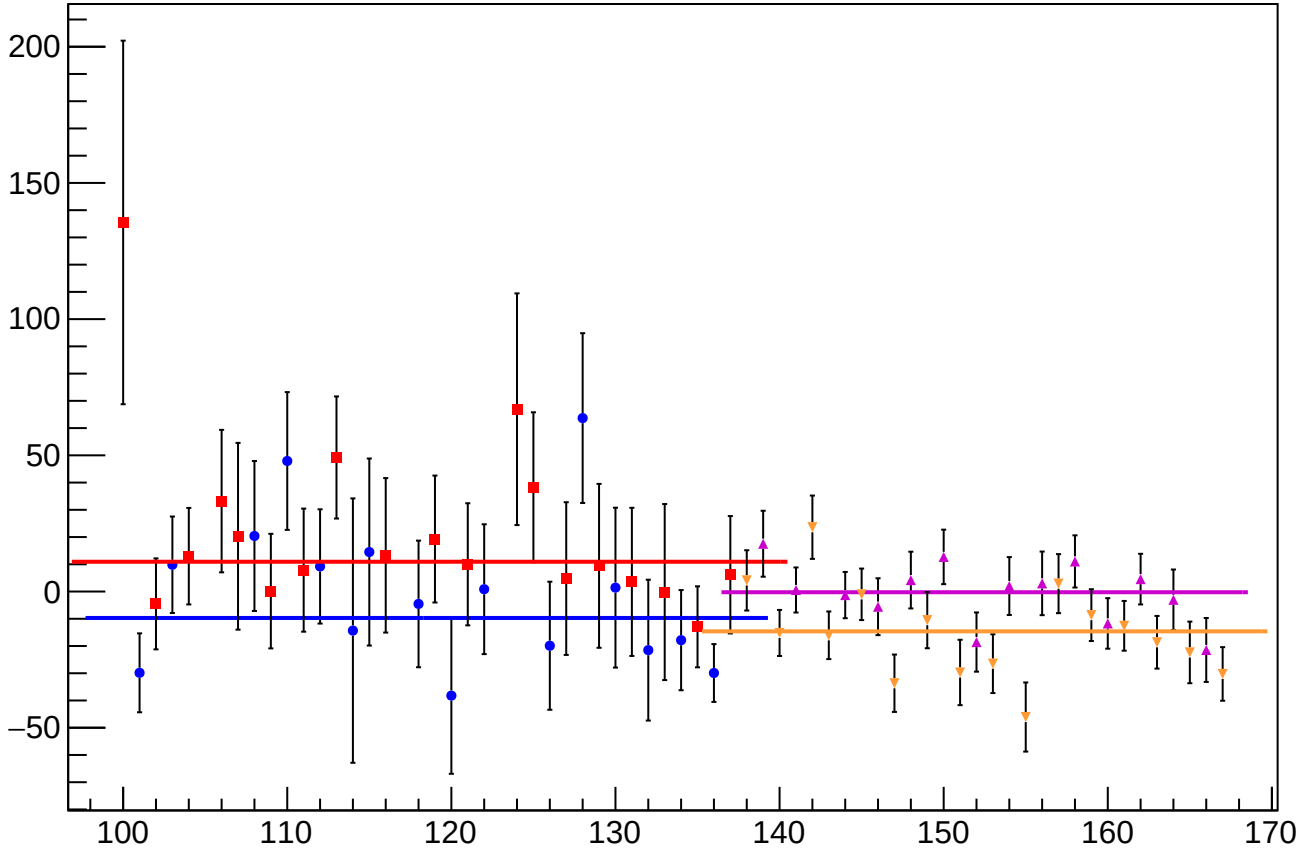
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 16.986+/-0.003 χ^2/NDF:99496.2/29

Out: 17.114+/-0.003 χ^2/NDF:105840.7/32

All: 17.050+/-0.002 χ^2/NDF: 206403.8/62

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -14.618+/-2.545 χ^2/NDF:34.4/15

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: -0.259+/-2.693 χ^2/NDF:13.8/13

Left: -7.845+/-1.850 χ^2/NDF: 63.2/29

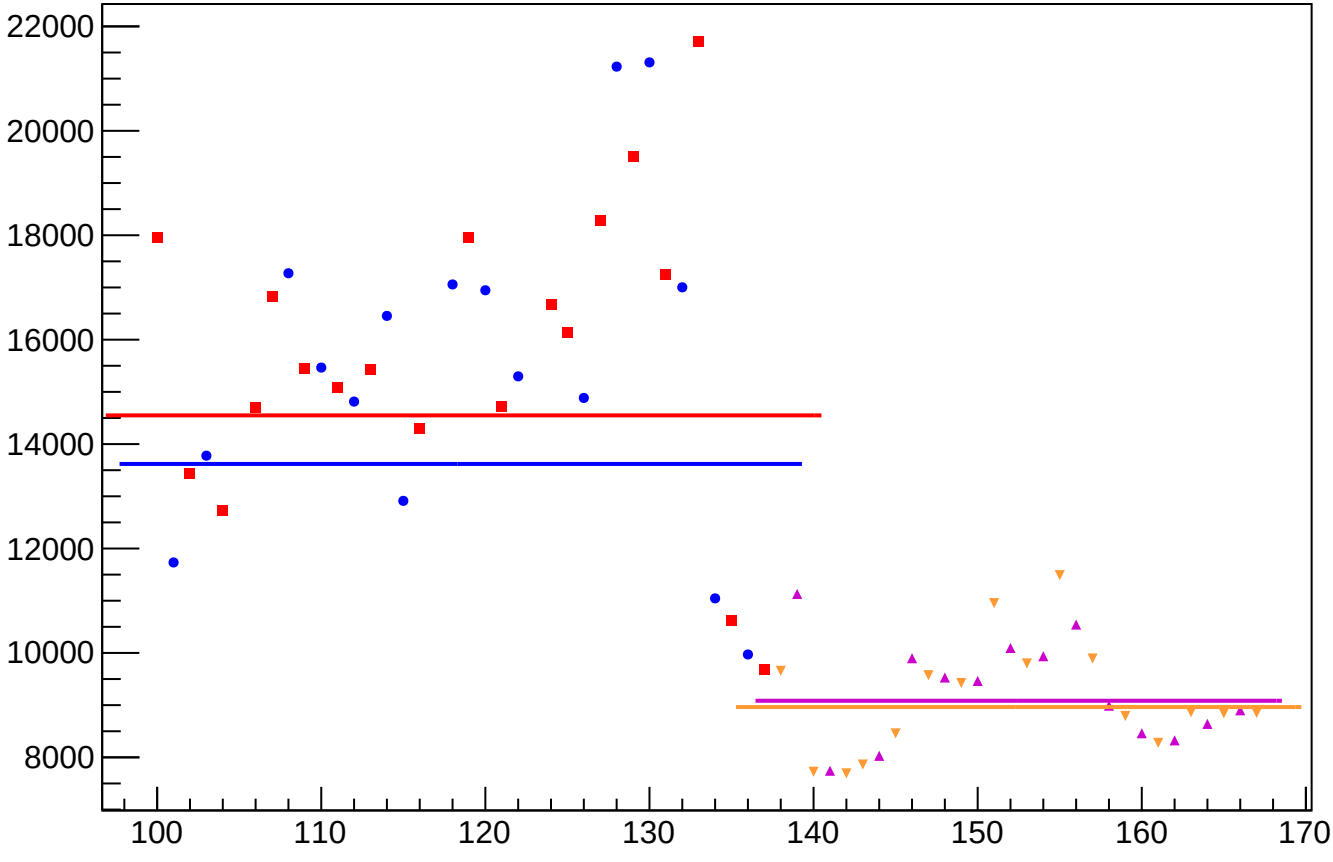
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -2.238+/-2.395 χ^2/NDF:38.4/29

Out: -10.024+/-2.305 χ^2/NDF:66.6/34

All: -6.280+/-1.661 χ^2/NDF: 110.4/64

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8963.654+/-1.800 χ^2/NDF:296431.2/15

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 9084.141+/-1.905 χ^2/NDF:246905.1/13

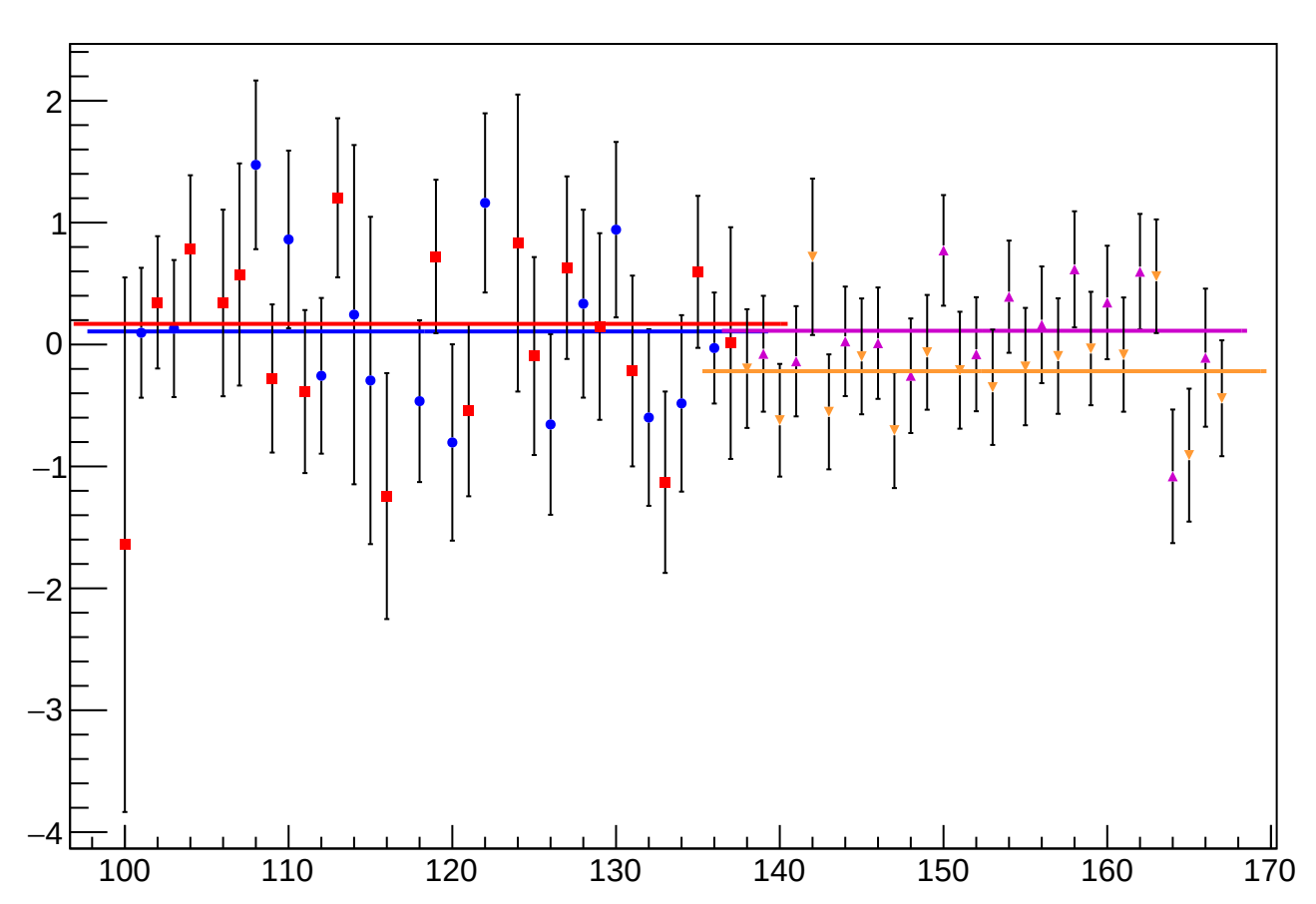
Left: 9020.485+/-1.308 χ^2/NDF: 545450.7/29

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10034.532+/-1.693 χ^2/NDF:2182301.5/29

Out: 9967.843+/-1.630 χ^2/NDF:2584455.8/34

All: 9999.914+/-1.174 χ^2/NDF: 4767562.5/64



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.219+/-0.121 χ^2/NDF:9.6/15

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.113+/-0.127 χ^2/NDF:11.1/13

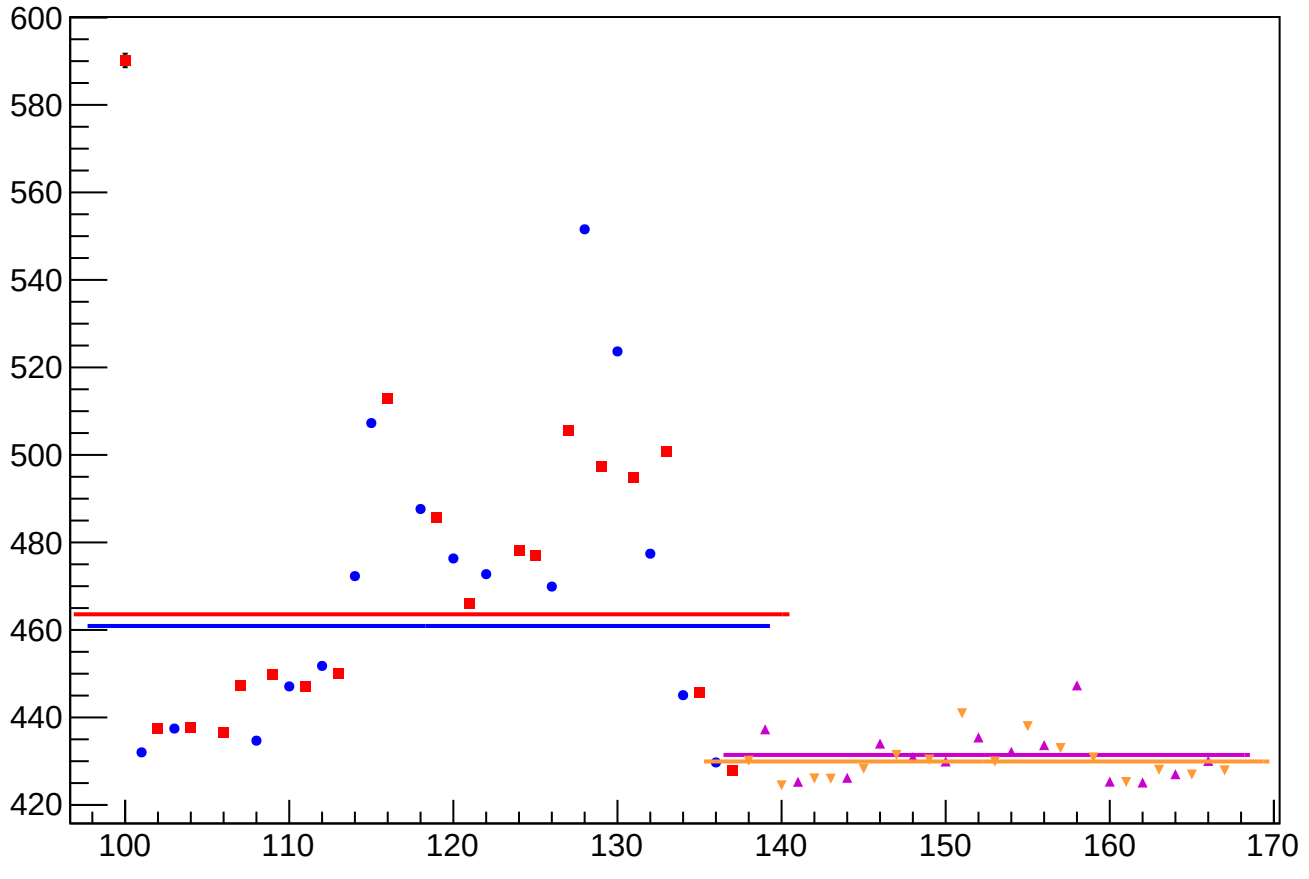
Left: -0.061+/-0.088 χ^2/NDF: 24.3/29

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.111+/-0.102 χ^2/NDF:24.8/29

Out: -0.088+/-0.098 χ^2/NDF:27.2/34

All: 0.008+/-0.071 χ^2/NDF: 54.0/64



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.941+/-0.086 χ^2/NDF:2574.4/15

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.431+/-0.090 χ^2/NDF:4292.1/13

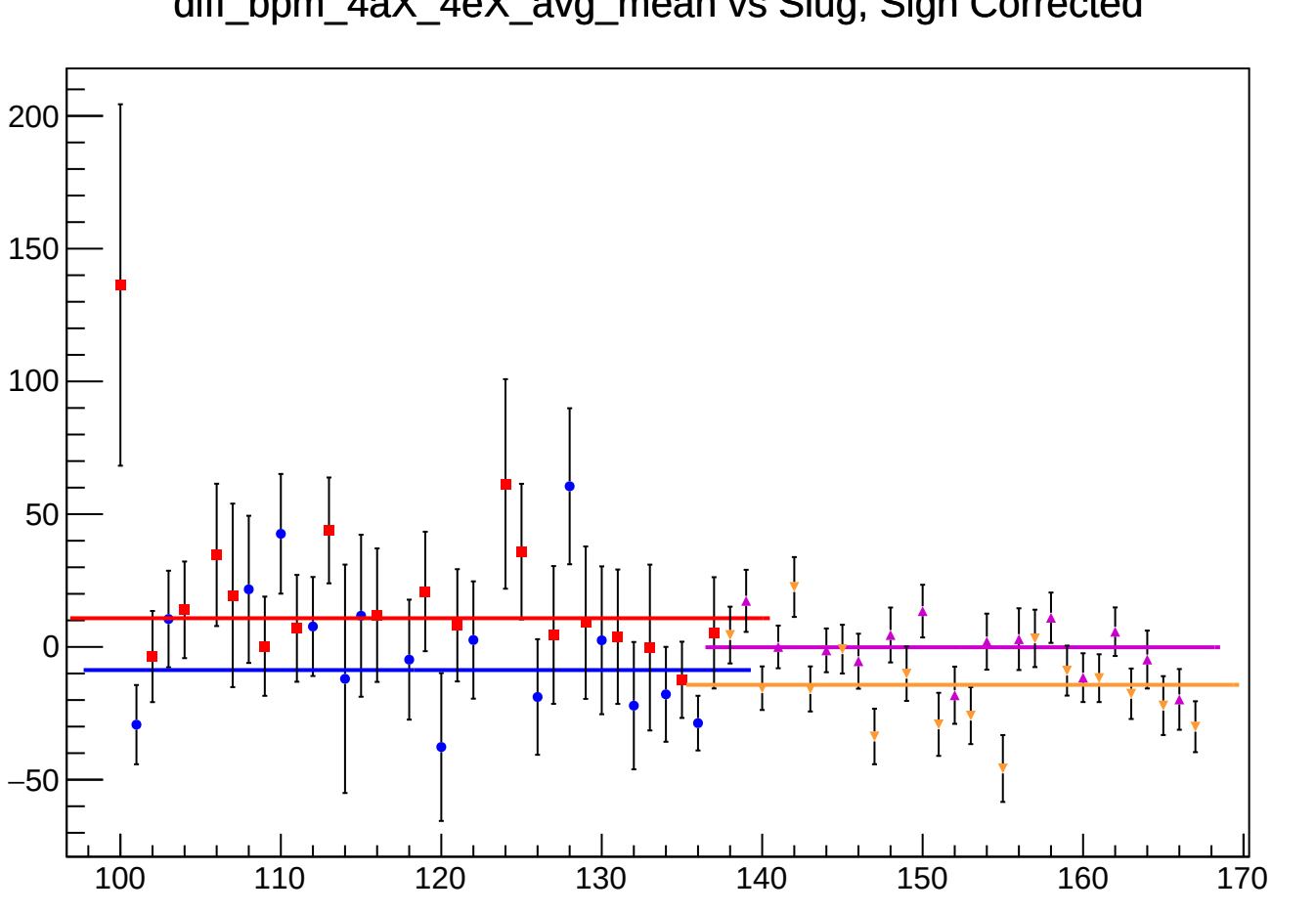
Left: 430.650+/-0.062 χ^2/NDF: 7010.9/29

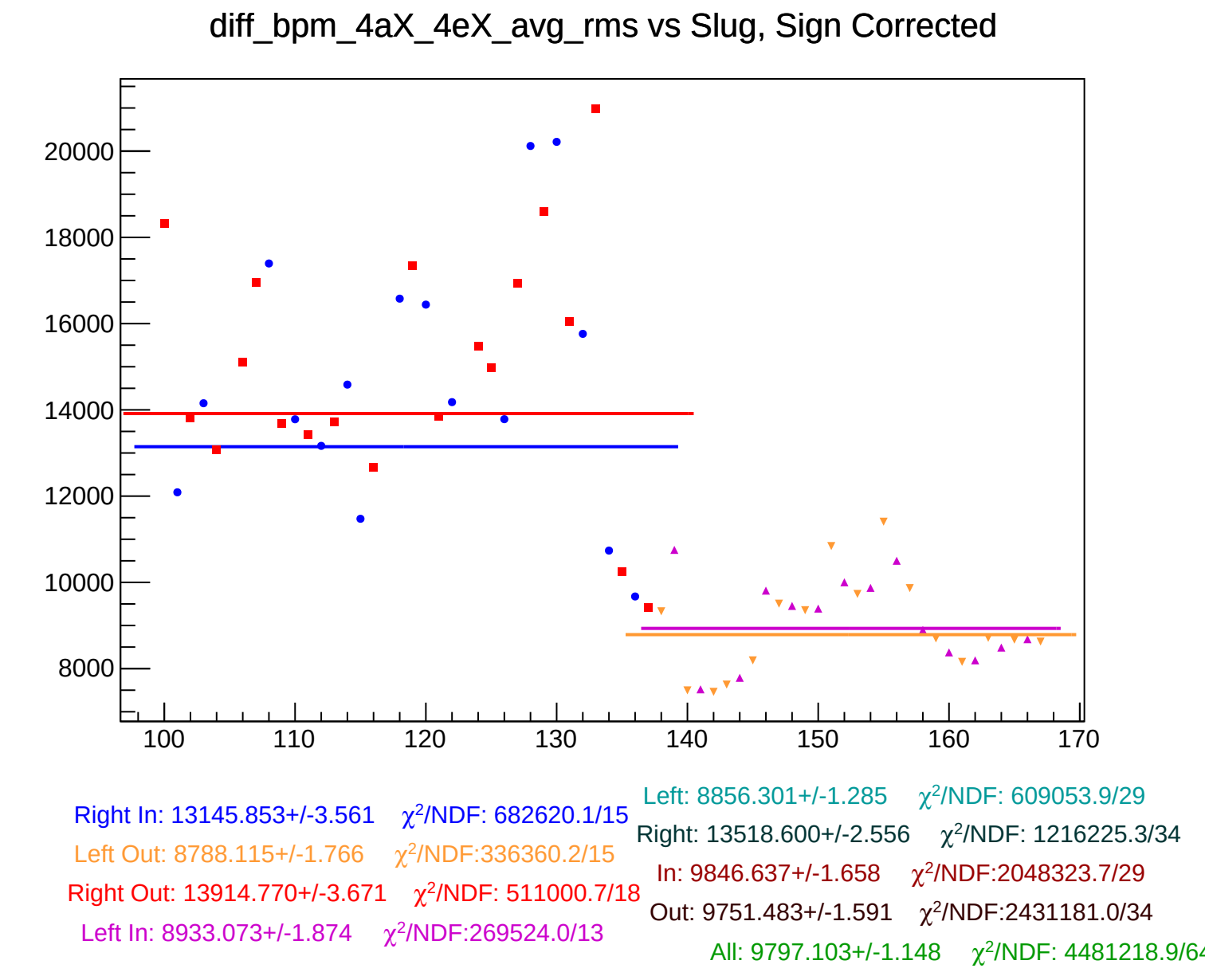
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

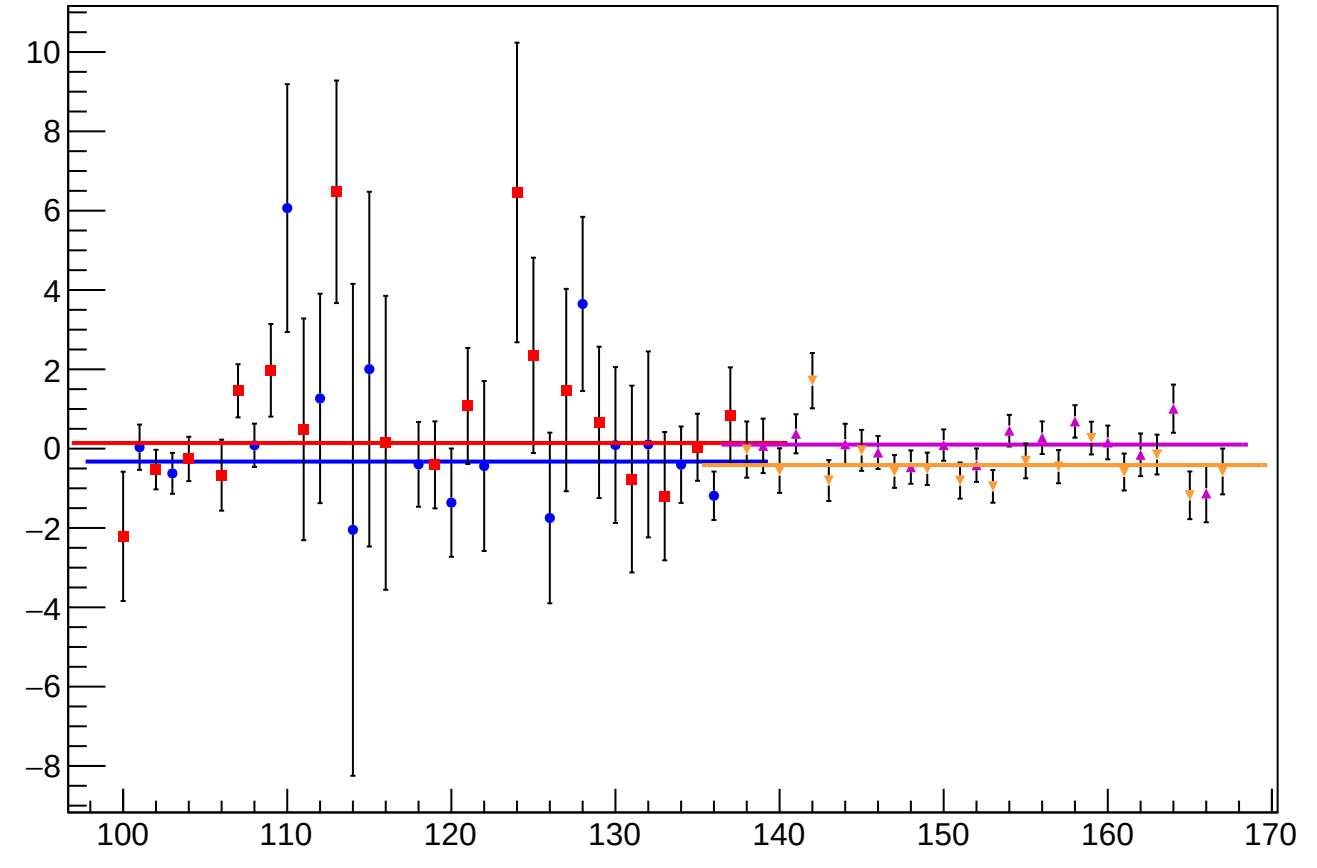
In: 441.851+/-0.072 χ^2/NDF:117323.0/29

Out: 441.293+/-0.070 χ^2/NDF:106952.7/34

All: 441.562+/-0.050 χ^2/NDF: 224306.7/64


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -8.707+/-5.036 χ²/NDF: 22.3/15
Left Out: -14.274+/-2.497 χ²/NDF:34.9/15
Right Out: 10.807+/-5.192 χ²/NDF: 13.9/18
Left In: -0.122+/-2.650 χ²/NDF:14.0/13
Left: -7.617+/-1.817 χ²/NDF: 64.0/29
Right: 0.753+/-3.615 χ²/NDF: 43.4/34
In: -1.984+/-2.345 χ²/NDF:38.5/29
Out: -9.561+/-2.250 χ²/NDF:67.8/34
All: -5.928+/-1.624 χ²/NDF: 111.7/64


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8788.115+/-1.766 χ²/NDF:336360.2/15
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8933.073+/-1.874 χ²/NDF:269524.0/13
Left: 8856.301+/-1.285 χ²/NDF: 609053.9/29
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9846.637+/-1.658 χ²/NDF:2048323.7/29
Out: 9751.483+/-1.591 χ²/NDF:2431181.0/34
All: 9797.103+/-1.148 χ²/NDF: 4481218.9/64



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.413+/-0.121 χ^2/NDF:18.3/15

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.102+/-0.124 χ^2/NDF:12.2/13

Left: -0.162+/-0.087 χ^2/NDF: 39.4/29

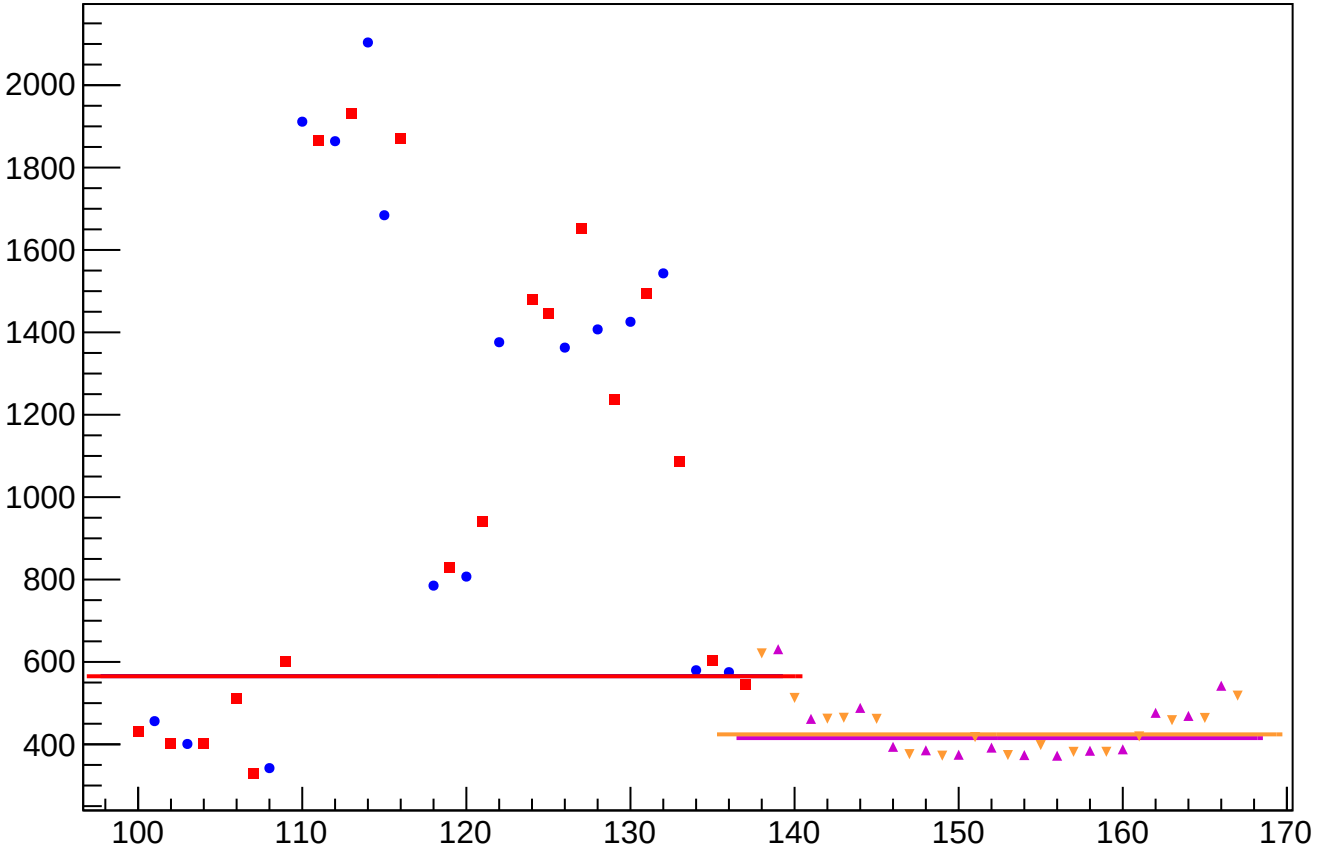
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.015+/-0.110 χ^2/NDF:27.2/29

Out: -0.304+/-0.108 χ^2/NDF:44.9/34

All: -0.148+/-0.077 χ^2/NDF: 76.4/64

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 424.191+/-0.085 χ^2/NDF:441618.0/15

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 415.169+/-0.088 χ^2/NDF:462646.2/13

Left: 419.790+/-0.061 χ^2/NDF: 909700.1/29

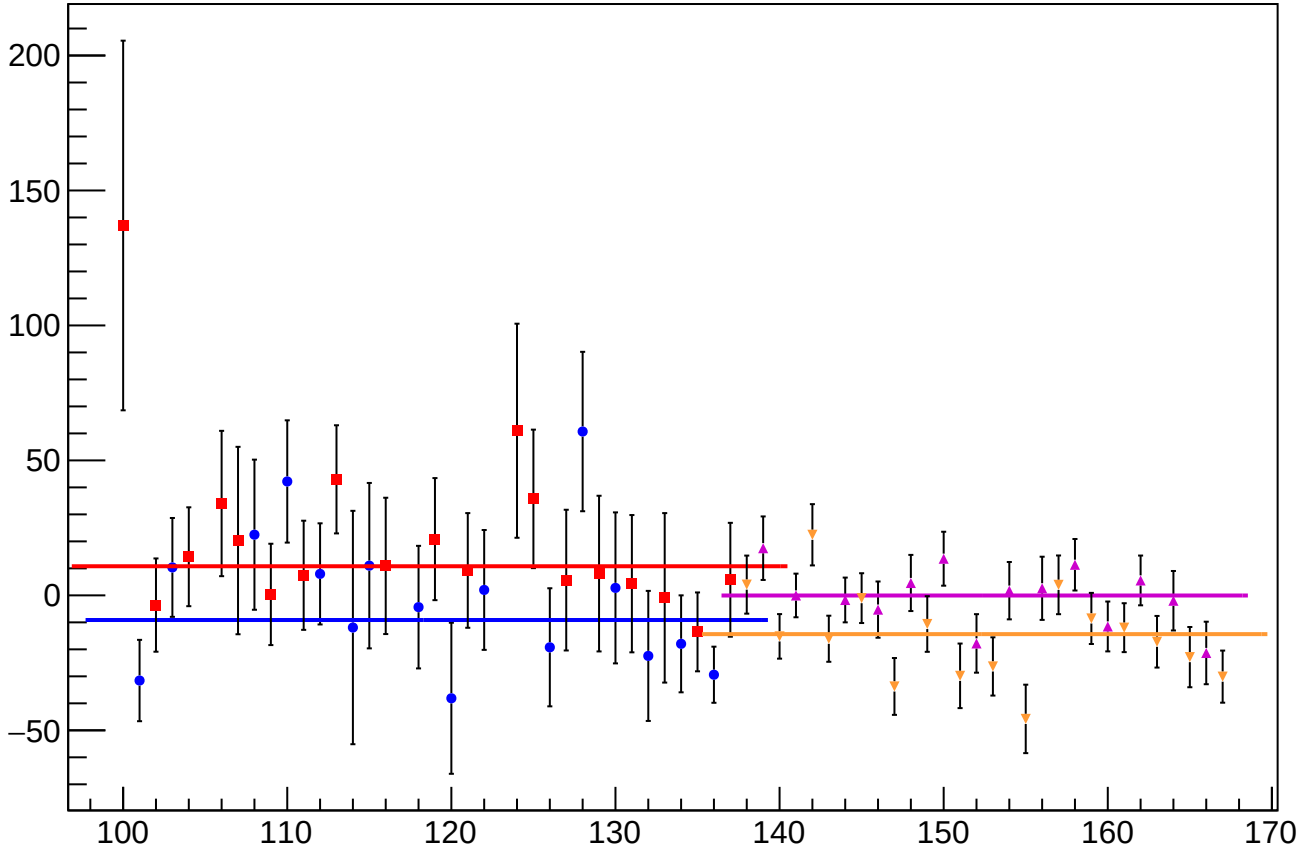
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 445.948+/-0.078 χ^2/NDF:4516587.7/29

Out: 451.911+/-0.077 χ^2/NDF:4548463.4/34

All: 448.987+/-0.055 χ^2/NDF: 9068022.0/64

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -14.362+/-2.514 χ^2/NDF:34.7/15

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -0.051+/-2.669 χ^2/NDF:14.1/13

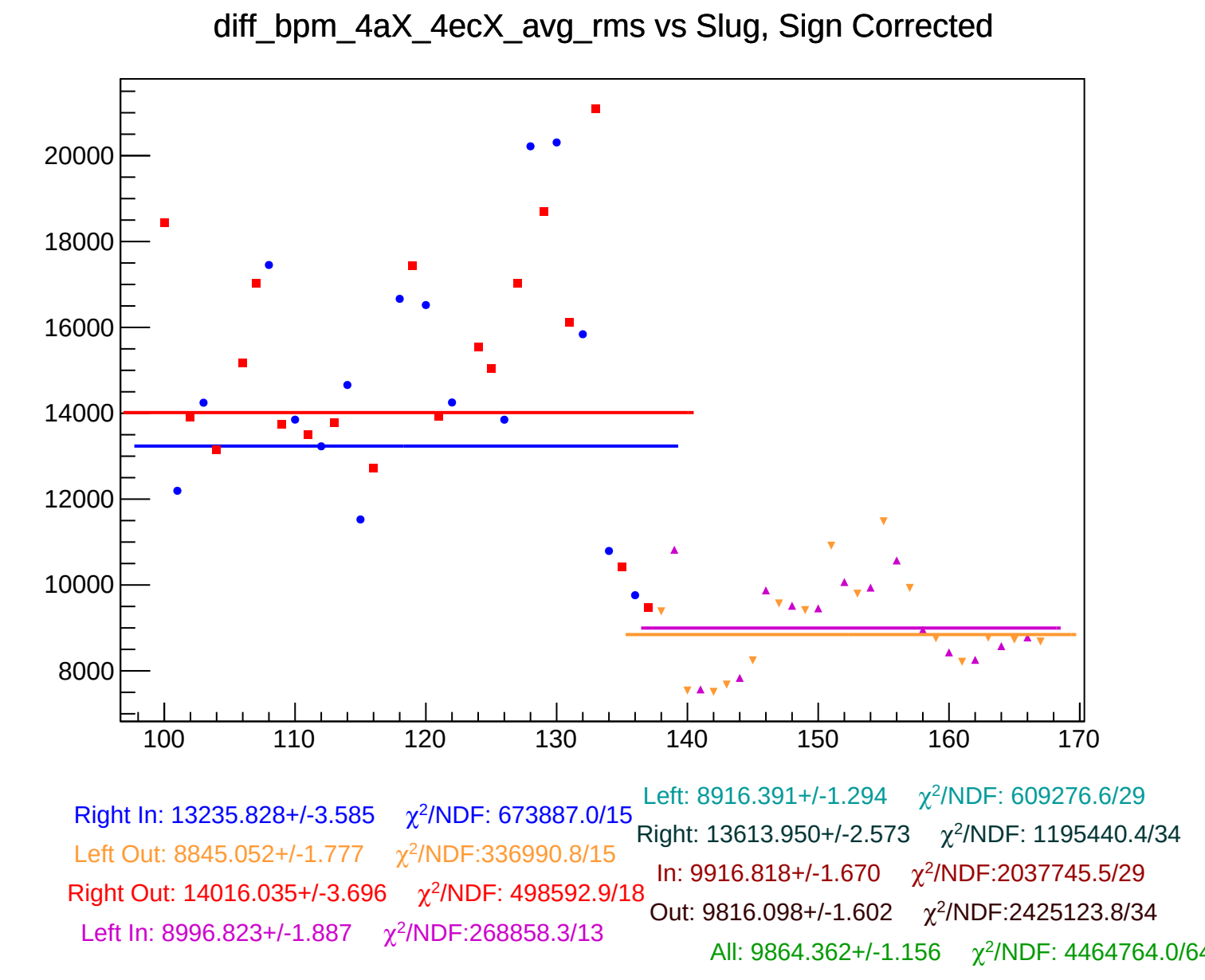
Left: -7.635+/-1.830 χ^2/NDF: 64.0/29

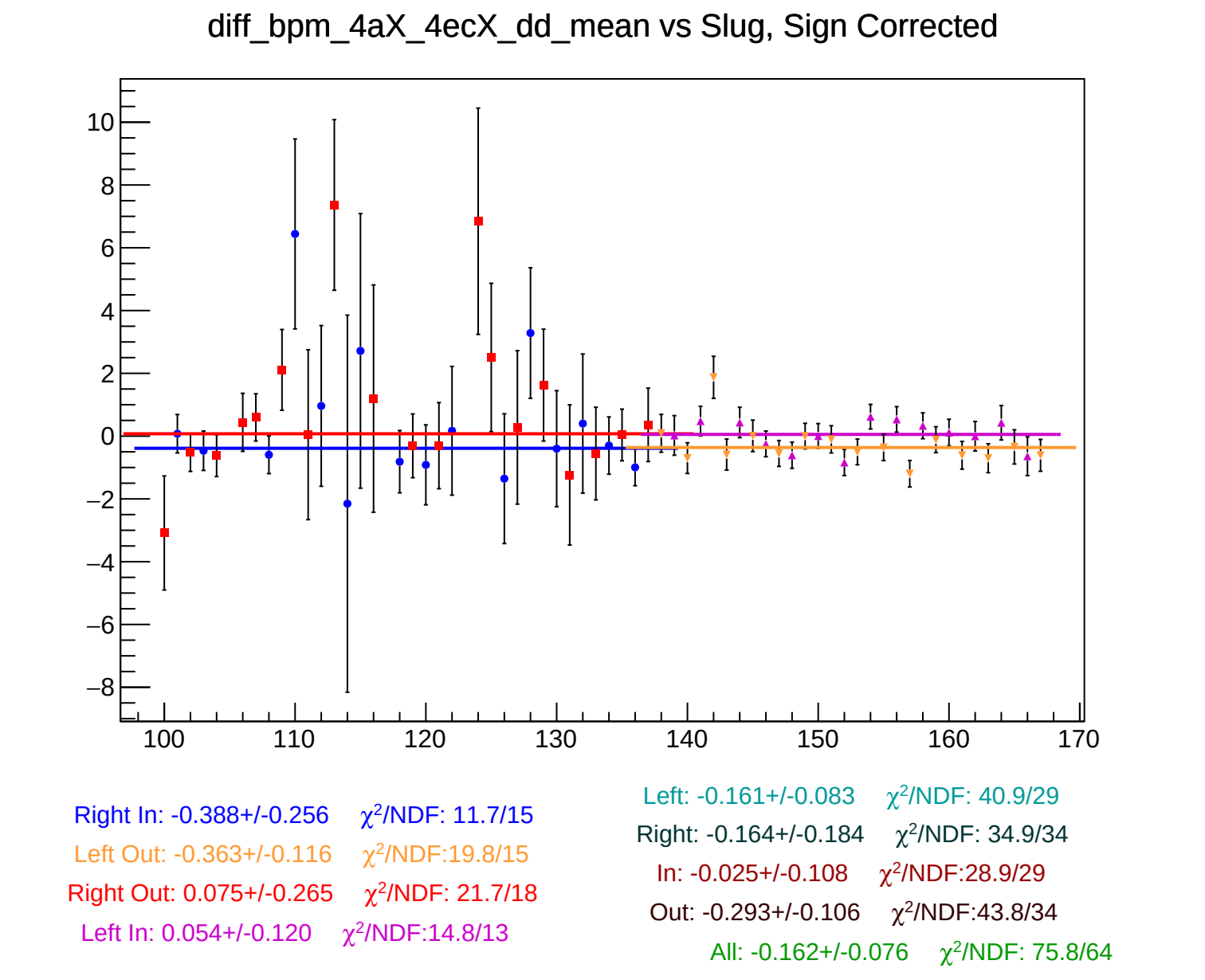
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

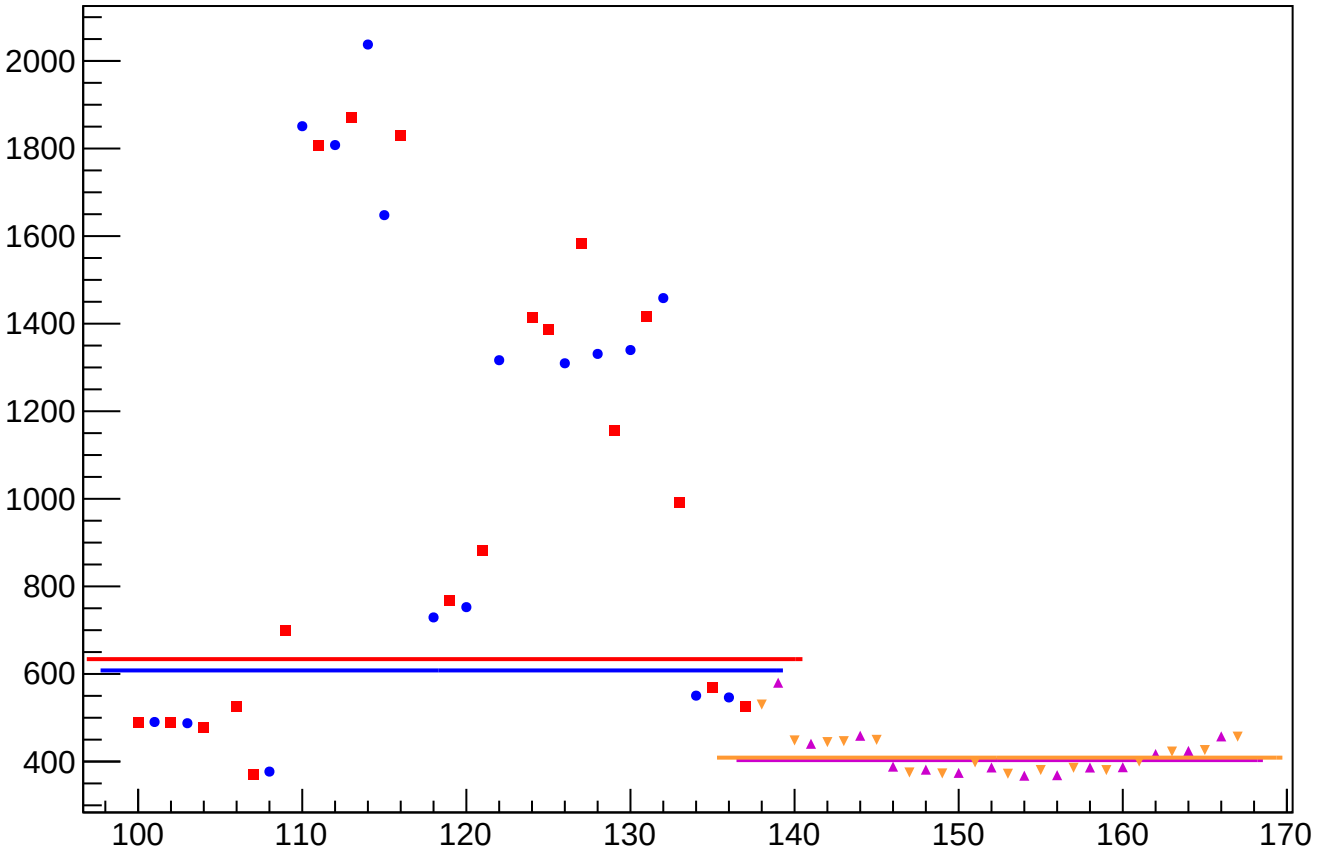
In: -2.021+/-2.362 χ^2/NDF:39.3/29

Out: -9.639+/-2.265 χ^2/NDF:67.2/34

All: -5.989+/-1.635 χ^2/NDF: 112.0/64


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8845.052+/-1.777 χ²/NDF:336990.8/15
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8996.823+/-1.887 χ²/NDF:268858.3/13
Left: 8916.391+/-1.294 χ²/NDF: 609276.6/29
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9916.818+/-1.670 χ²/NDF:2037745.5/29
Out: 9816.098+/-1.602 χ²/NDF:2425123.8/34
All: 9864.362+/-1.156 χ²/NDF: 4464764.0/64


diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected
10
8
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: -0.388+/-0.256 χ²/NDF: 11.7/15
Left Out: -0.363+/-0.116 χ²/NDF:19.8/15
Right Out: 0.075+/-0.265 χ²/NDF: 21.7/18
Left In: 0.054+/-0.120 χ²/NDF:14.8/13
Left: -0.161+/-0.083 χ²/NDF: 40.9/29
Right: -0.164+/-0.184 χ²/NDF: 34.9/34
In: -0.025+/-0.108 χ²/NDF:28.9/29
Out: -0.293+/-0.106 χ²/NDF:43.8/34
All: -0.162+/-0.076 χ²/NDF: 75.8/64



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 408.898+/-0.082 χ^2/NDF:217638.3/15

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 403.266+/-0.085 χ^2/NDF:275591.3/13

Left: 406.179+/-0.059 χ^2/NDF: 495518.4/29

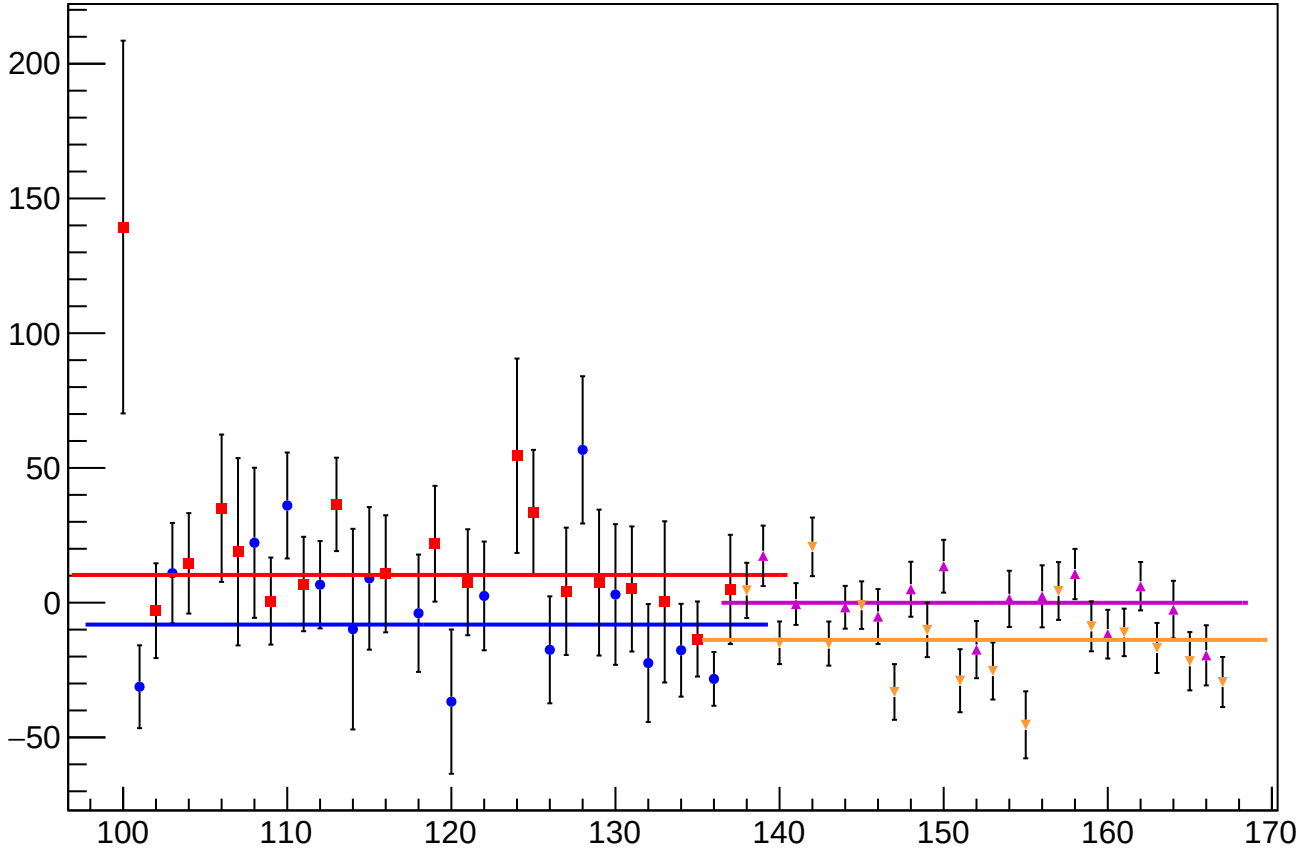
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 440.094+/-0.077 χ^2/NDF:4180553.4/29

Out: 445.018+/-0.075 χ^2/NDF:4220640.0/34

All: 442.612+/-0.054 χ^2/NDF: 8403302.6/64

diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -13.806+/-2.436 χ^2/NDF:35.1/15

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: -0.045+/-2.594 χ^2/NDF:14.2/13

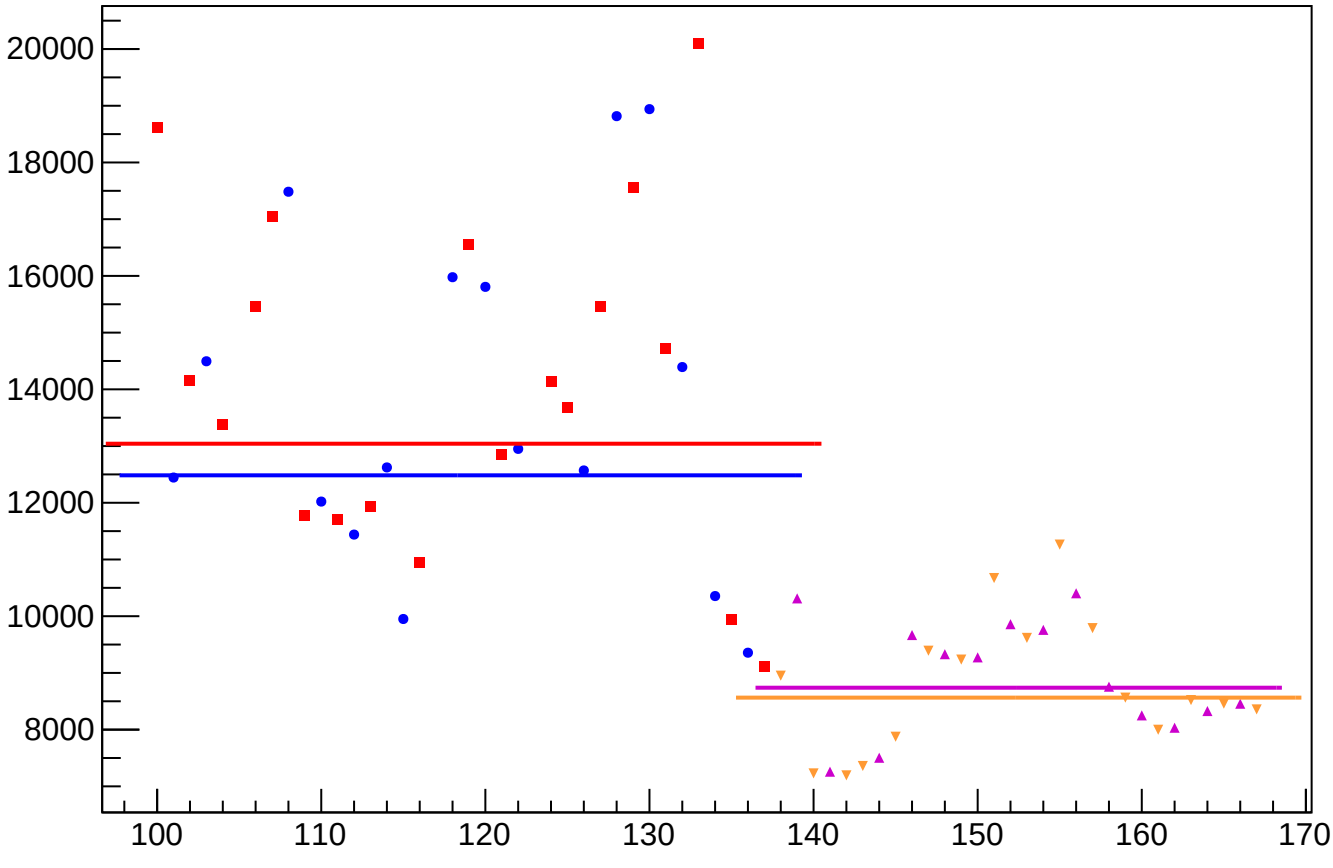
Left: -7.357+/-1.776 χ^2/NDF: 64.2/29

Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -1.885+/-2.280 χ^2/NDF:39.5/29

Out: -8.989+/-2.179 χ^2/NDF:68.4/34

All: -5.598+/-1.575 χ^2/NDF: 112.9/64



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8564.386+/-1.723 χ^2/NDF:383434.4/15

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8739.172+/-1.834 χ^2/NDF:295641.2/13

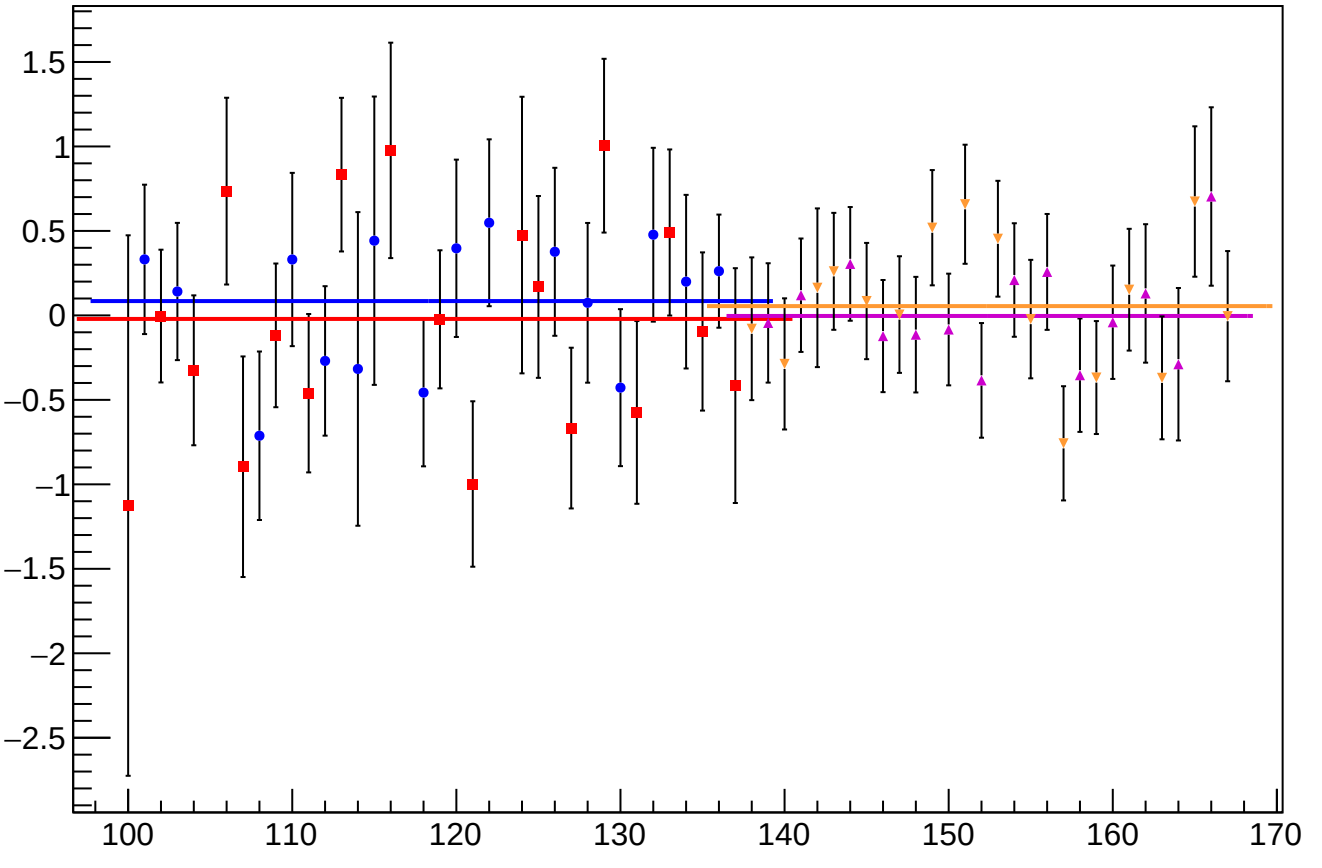
Left: 8646.305+/-1.256 χ^2/NDF: 683900.4/29

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 9591.324+/-1.612 χ^2/NDF:1915750.0/29

Out: 9459.476+/-1.541 χ^2/NDF:2278242.2/34

All: 9522.425+/-1.114 χ^2/NDF: 4197487.9/64



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.055+/-0.091 χ^2/NDF:18.3/15

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.003+/-0.095 χ^2/NDF:6.9/13

Left: 0.027+/-0.066 χ^2/NDF: 25.4/29

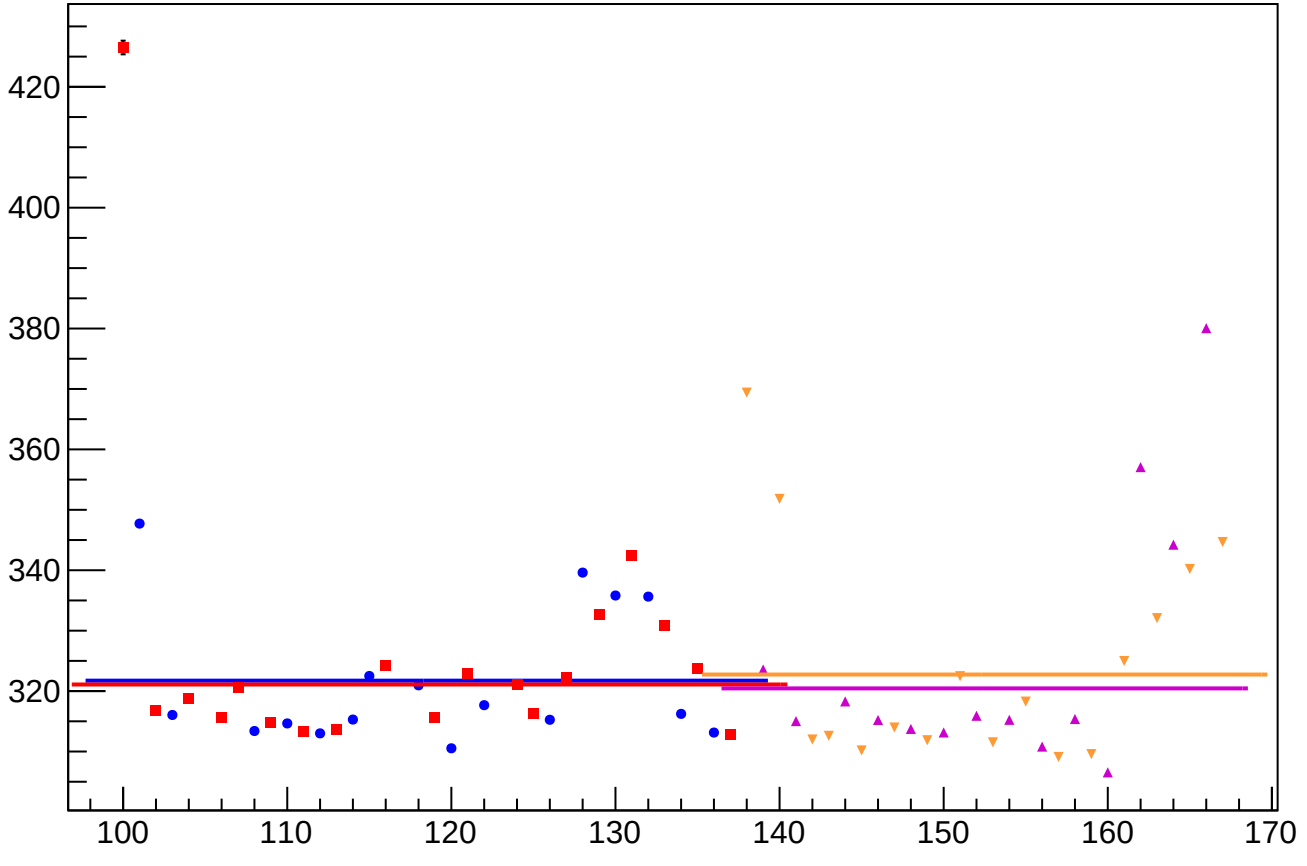
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.031+/-0.075 χ^2/NDF:16.6/29

Out: 0.026+/-0.072 χ^2/NDF:42.8/34

All: 0.028+/-0.052 χ^2/NDF: 59.4/64

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 322.740+/-0.065 χ^2/NDF:64137.5/15

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 320.445+/-0.067 χ^2/NDF:56312.6/13

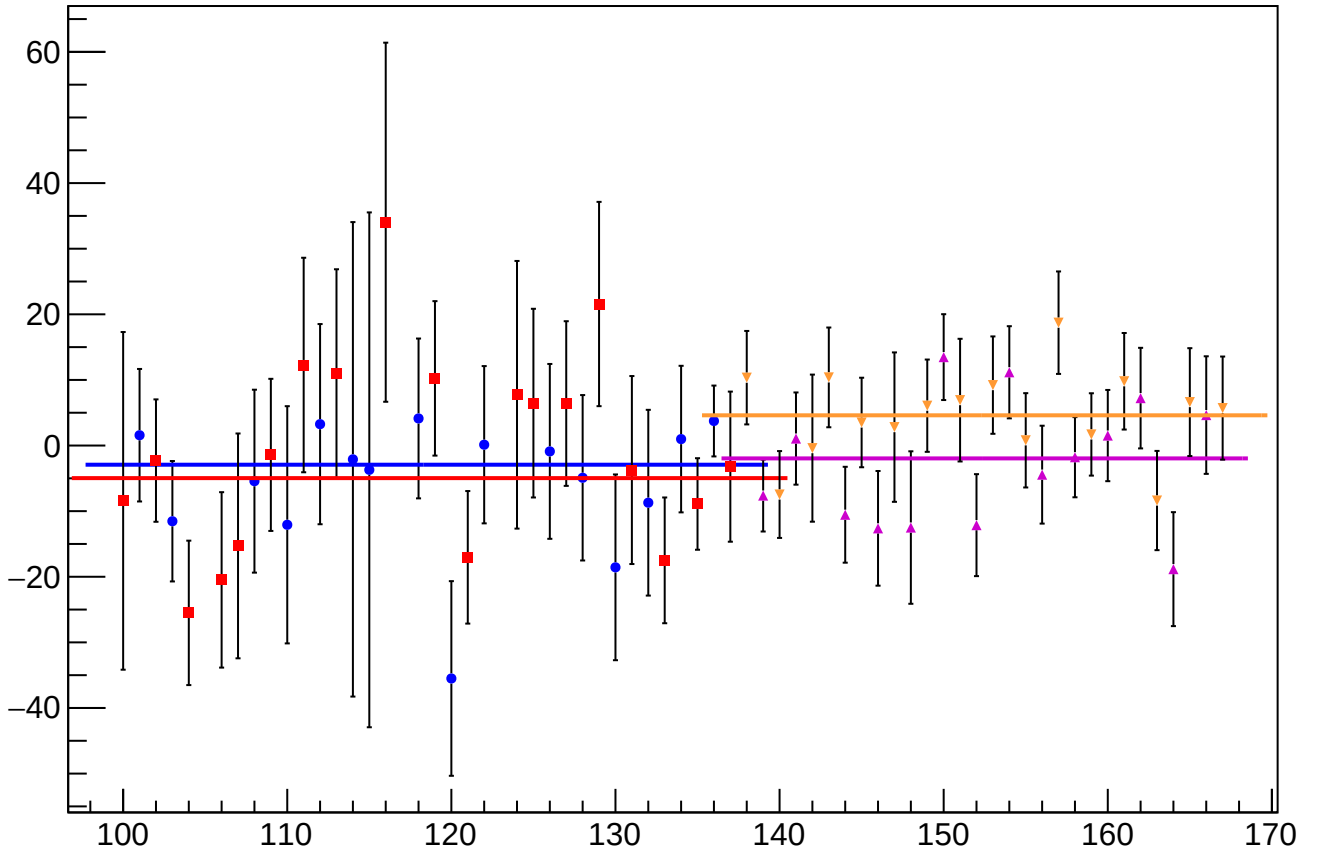
Left: 321.639+/-0.047 χ^2/NDF: 121056.7/29

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 320.939+/-0.053 χ^2/NDF:74667.3/29

Out: 322.120+/-0.051 χ^2/NDF:80962.1/34

All: 321.549+/-0.037 χ^2/NDF: 155889.0/64



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.608+/-1.907 χ^2/NDF:12.6/15

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -1.961+/-1.957 χ^2/NDF:21.8/13

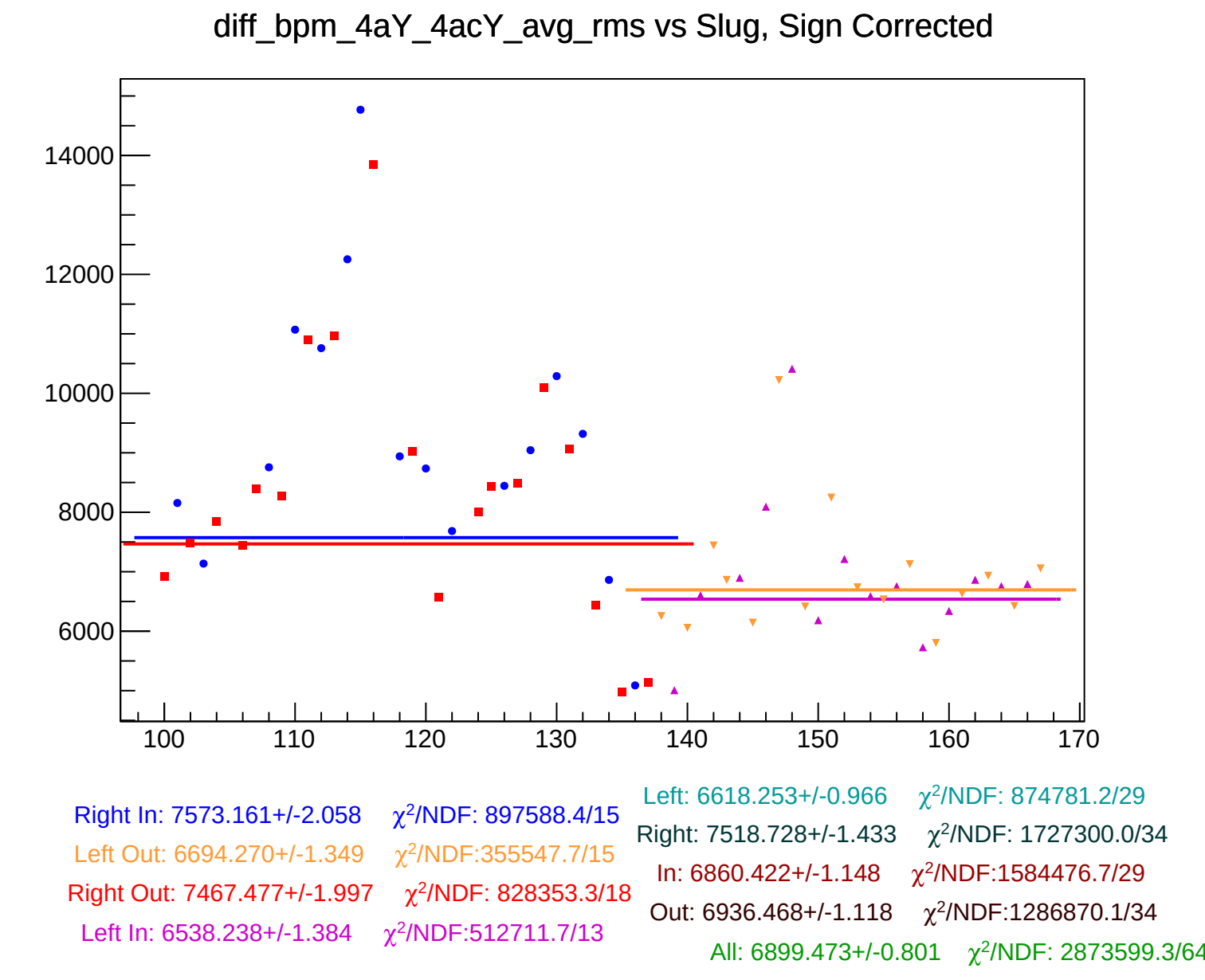
Left: 1.407+/-1.366 χ^2/NDF: 40.2/29

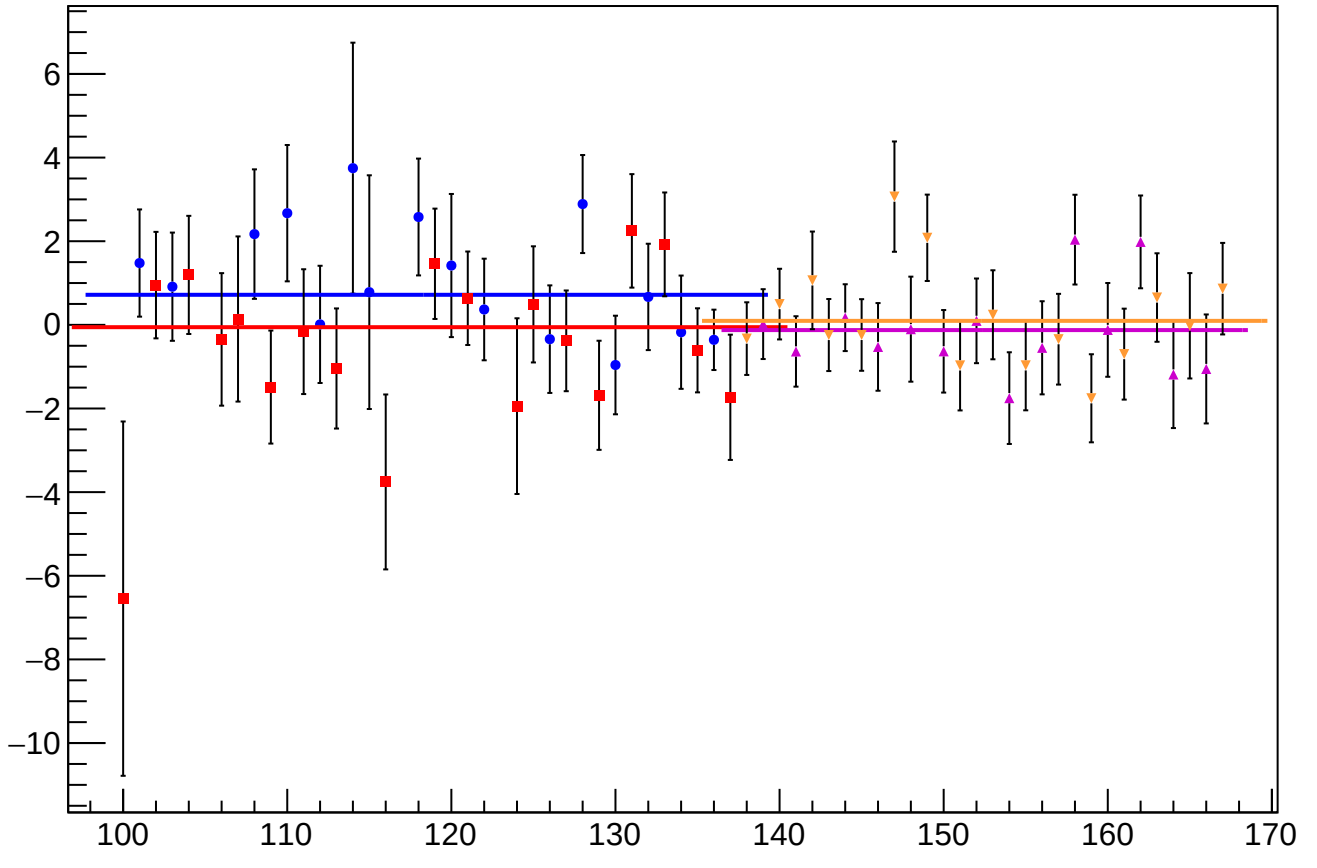
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -2.260+/-1.624 χ^2/NDF:31.8/29

Out: 1.609+/-1.581 χ^2/NDF:39.9/34

All: -0.273+/-1.133 χ^2/NDF: 74.6/64


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6694.270+/-1.349 χ²/NDF:355547.7/15
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6538.238+/-1.384 χ²/NDF:512711.7/13
Left: 6618.253+/-0.966 χ²/NDF: 874781.2/29
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6860.422+/-1.148 χ²/NDF:1584476.7/29
Out: 6936.468+/-1.118 χ²/NDF:1286870.1/34
All: 6899.473+/-0.801 χ²/NDF: 2873599.3/64



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.096+/-0.256 χ^2/NDF:16.8/15

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.125+/-0.275 χ^2/NDF:12.2/13

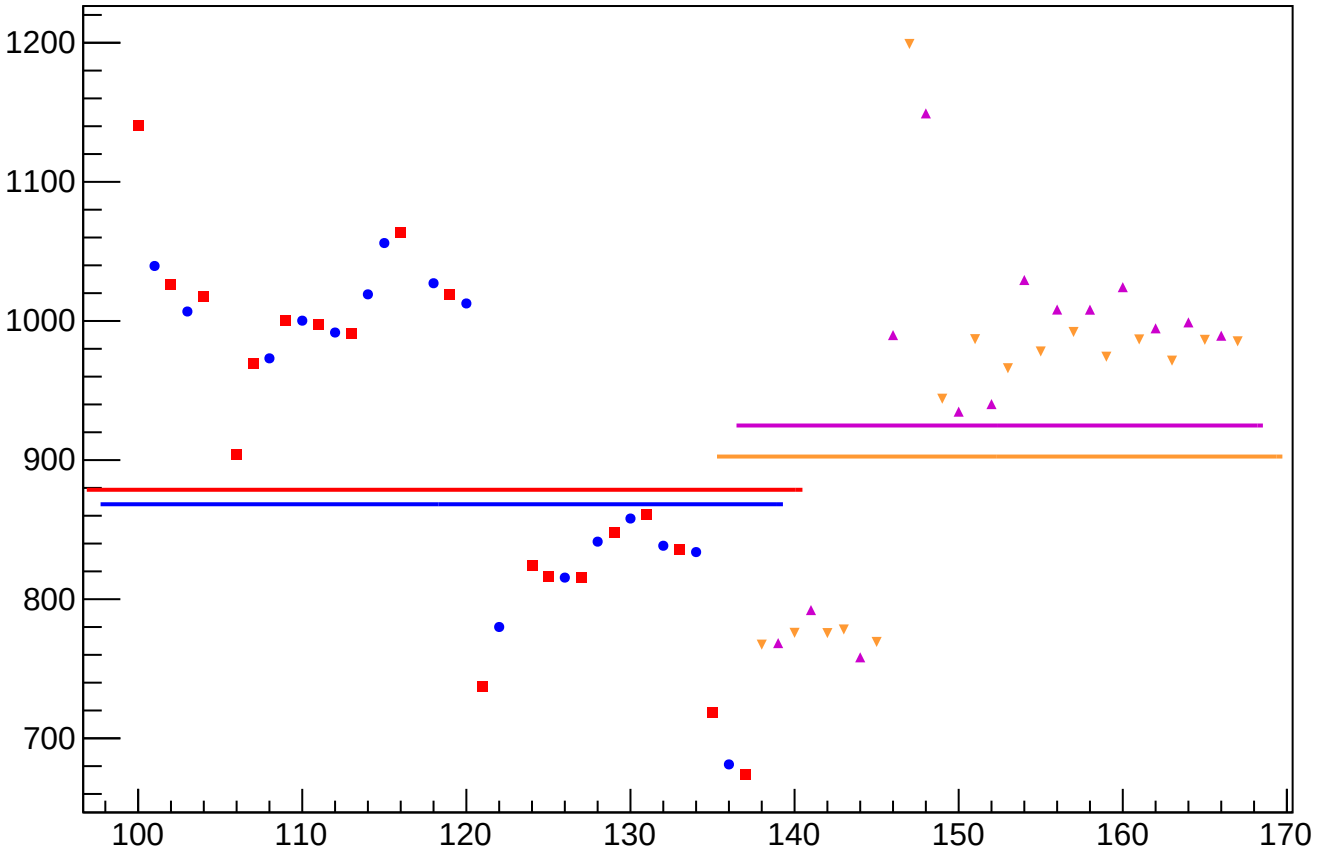
Left: -0.007+/-0.187 χ^2/NDF: 29.3/29

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.225+/-0.210 χ^2/NDF:30.9/29

Out: 0.037+/-0.201 χ^2/NDF:36.7/34

All: 0.127+/-0.145 χ^2/NDF: 68.1/64



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 902.547+/-0.181 χ^2/NDF:404585.0/15

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 924.862+/-0.194 χ^2/NDF:355719.3/13

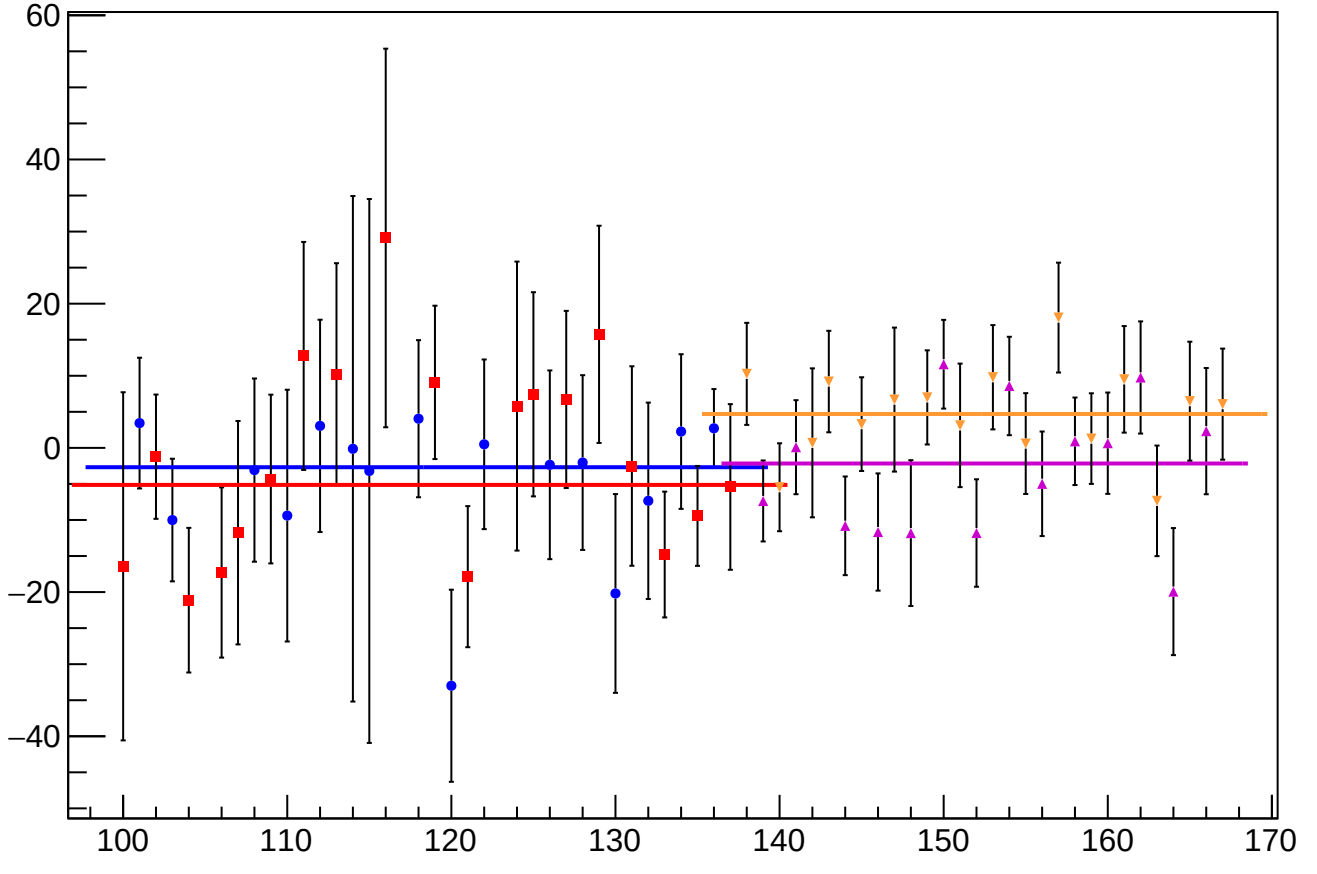
Left: 912.930+/-0.132 χ^2/NDF: 767371.6/29

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 901.369+/-0.148 χ^2/NDF:693425.9/29

Out: 893.340+/-0.142 χ^2/NDF:683824.4/34

All: 897.174+/-0.103 χ^2/NDF: 1378778.3/64



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.700+/-1.837 χ^2/NDF:11.4/15

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -2.167+/-1.902 χ^2/NDF:21.3/13

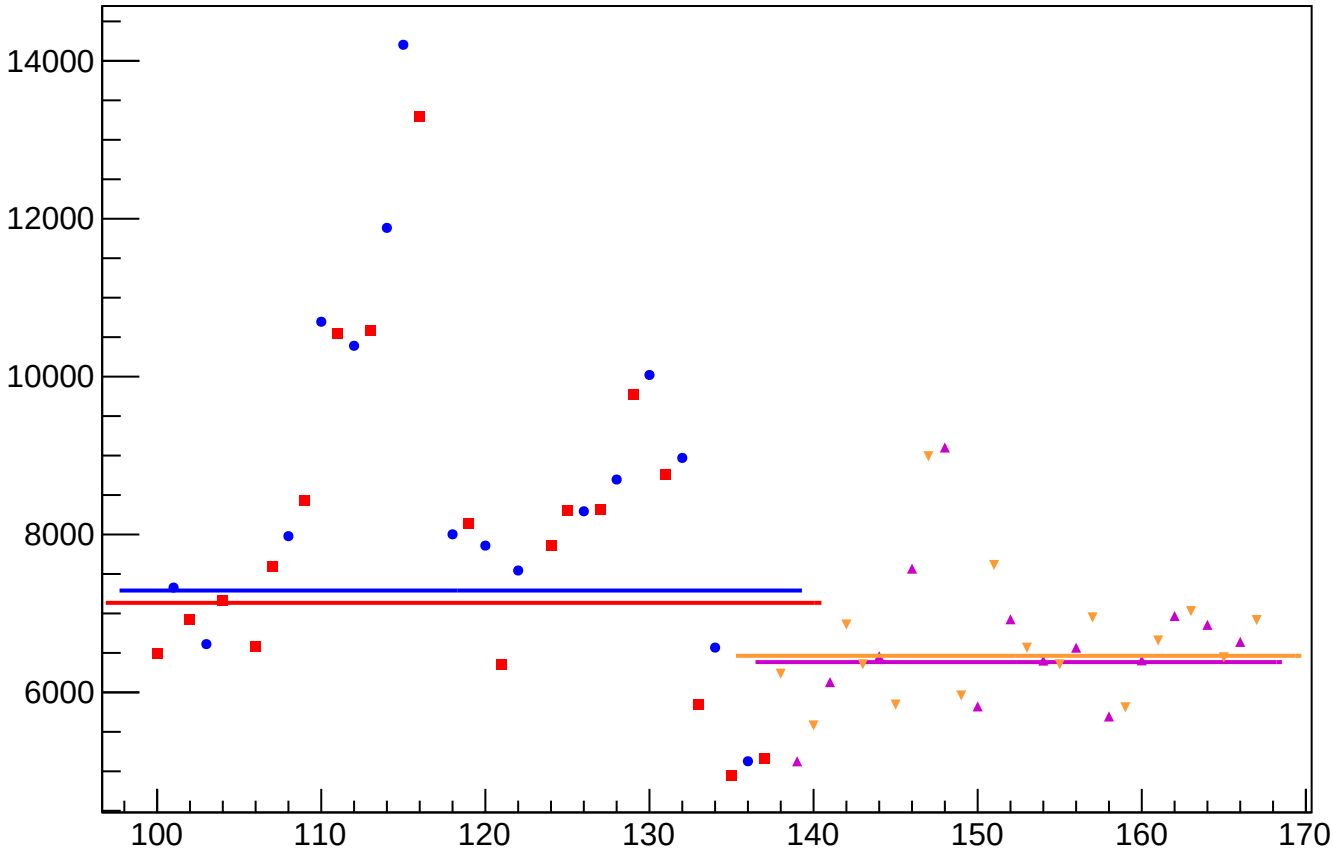
Left: 1.386+/-1.322 χ^2/NDF: 39.4/29

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.331+/-1.571 χ^2/NDF:31.4/29

Out: 1.574+/-1.518 χ^2/NDF:37.7/34

All: -0.310+/-1.092 χ^2/NDF: 72.3/64



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6463.383+/-1.299 χ^2/NDF:291301.2/15

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6383.596+/-1.345 χ^2/NDF:363542.0/13

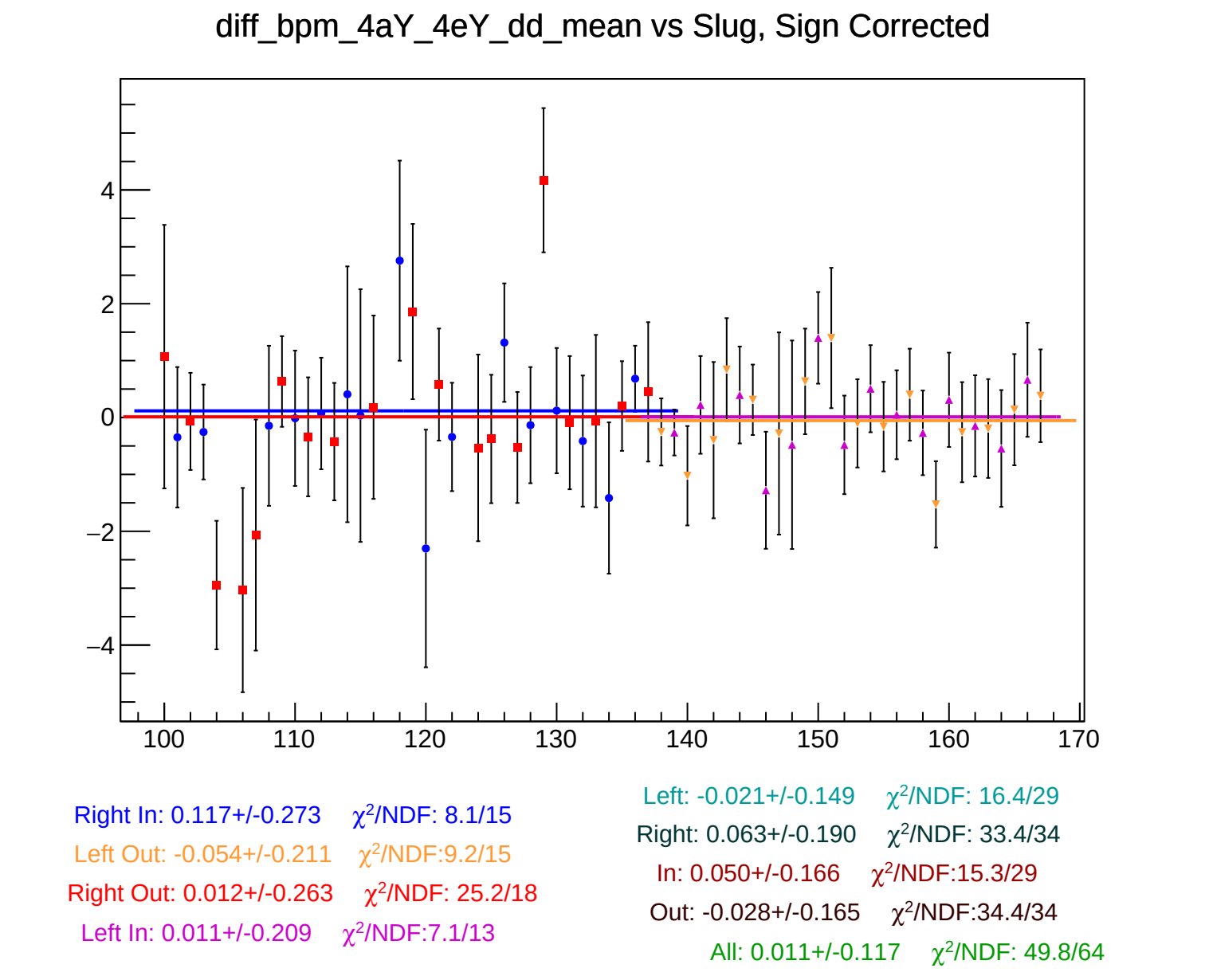
Left: 6424.876+/-0.935 χ^2/NDF: 656663.2/29

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

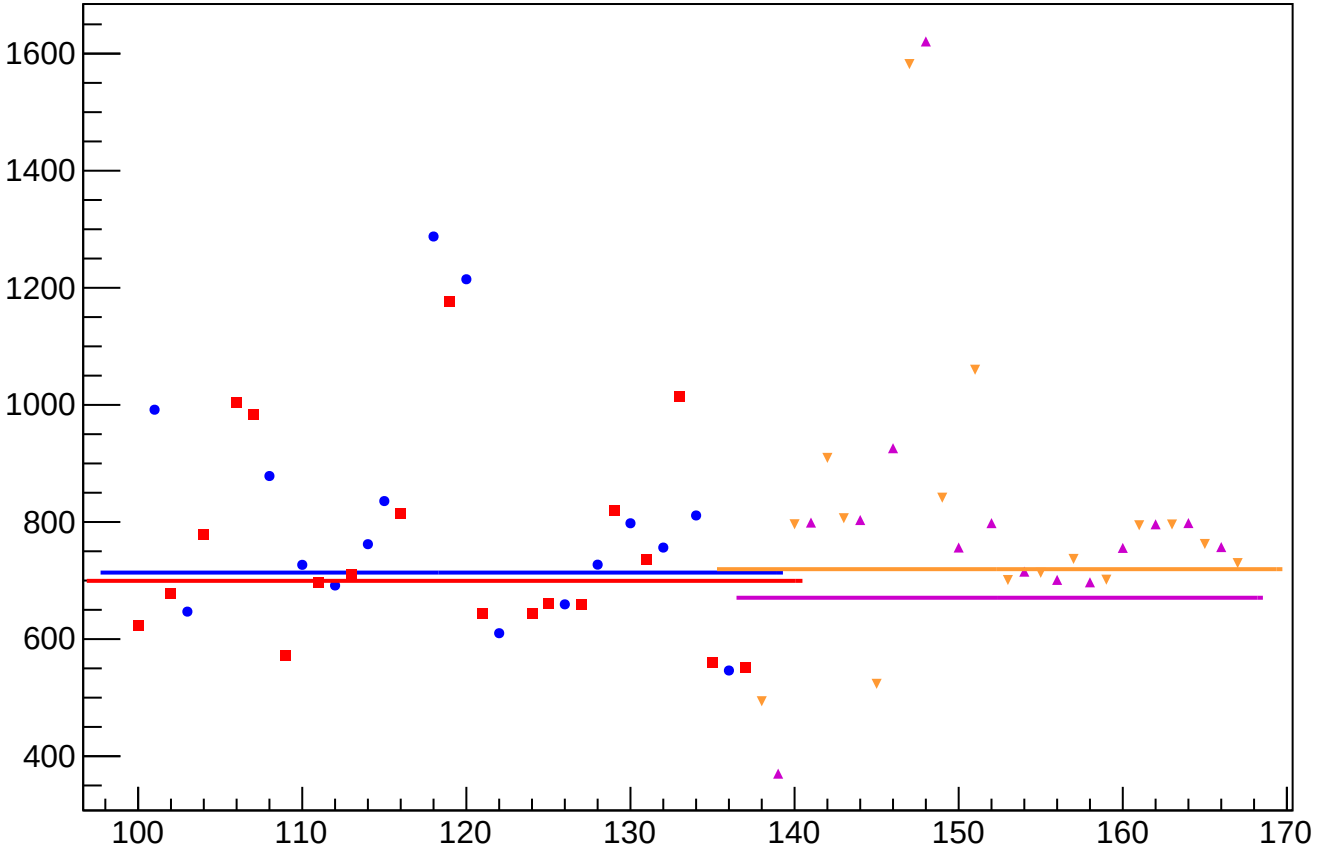
In: 6671.616+/-1.111 χ^2/NDF:1278357.4/29

Out: 6676.655+/-1.073 χ^2/NDF:1168866.9/34

All: 6674.223+/-0.772 χ^2/NDF: 2447235.0/64


diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected
4
2
0
−2
−4
100
110
120
130
140
150
160
170
Right In: 0.117+/-0.273 χ²/NDF: 8.1/15
Left Out: -0.054+/-0.211 χ²/NDF:9.2/15
Right Out: 0.012+/-0.263 χ²/NDF: 25.2/18
Left In: 0.011+/-0.209 χ²/NDF:7.1/13
Left: -0.021+/-0.149 χ²/NDF: 16.4/29
Right: 0.063+/-0.190 χ²/NDF: 33.4/34
In: 0.050+/-0.166 χ²/NDF:15.3/29
Out: -0.028+/-0.165 χ²/NDF:34.4/34
All: 0.011+/-0.117 χ²/NDF: 49.8/64

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 719.451+/-0.149 χ^2/NDF:1261023.5/15

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 670.632+/-0.148 χ^2/NDF:2049299.2/13

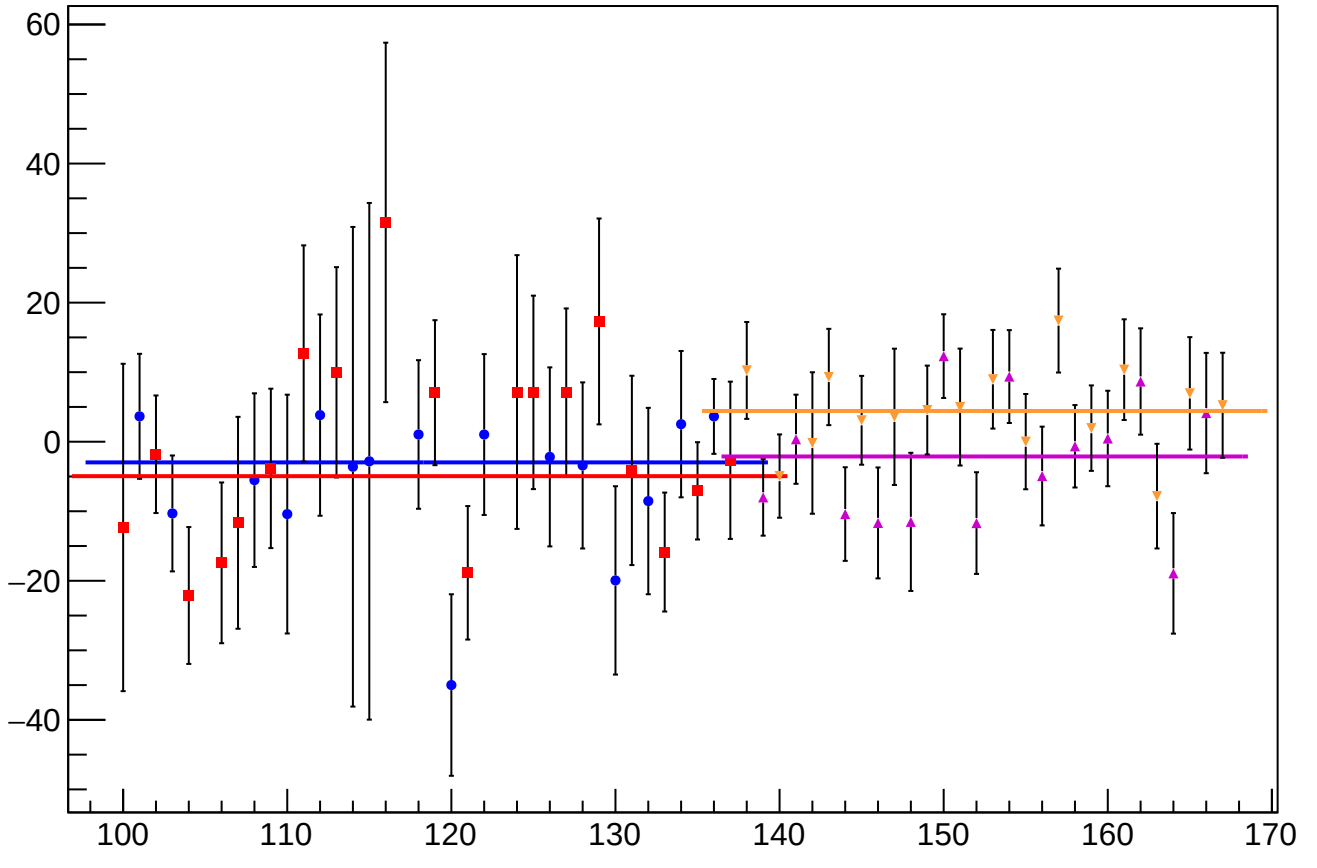
Left: 694.814+/-0.105 χ^2/NDF: 3364193.3/29

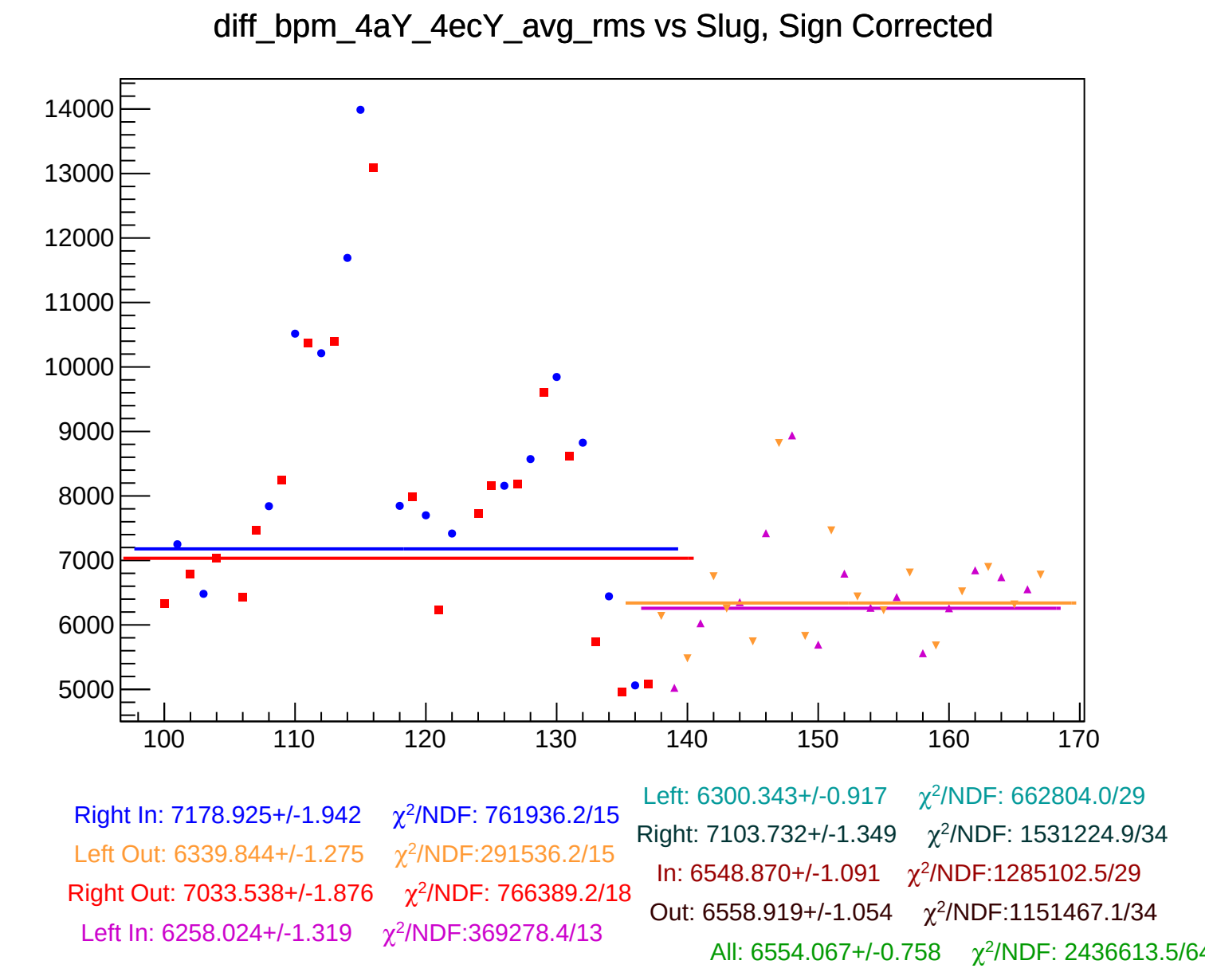
Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

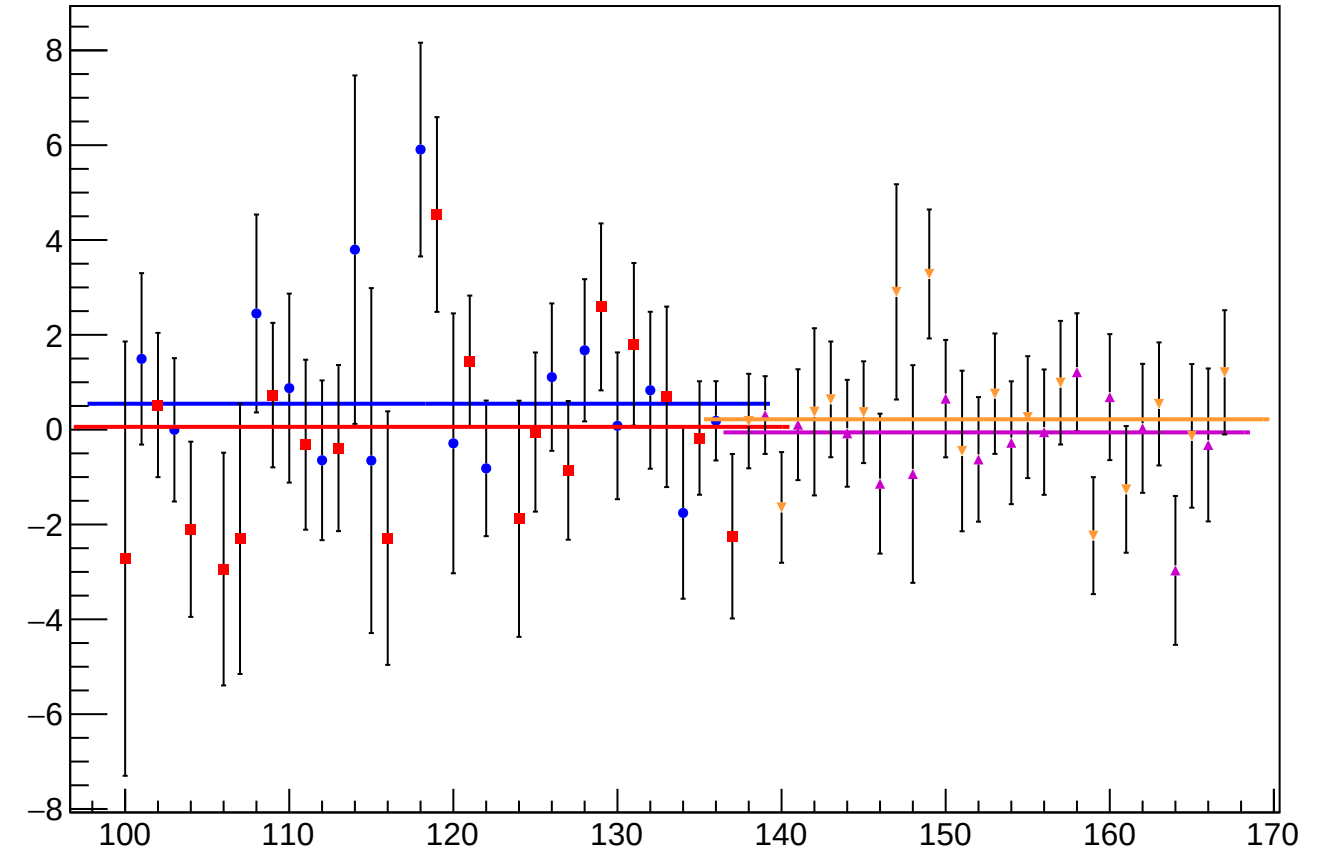
In: 686.542+/-0.117 χ^2/NDF:2779817.2/29

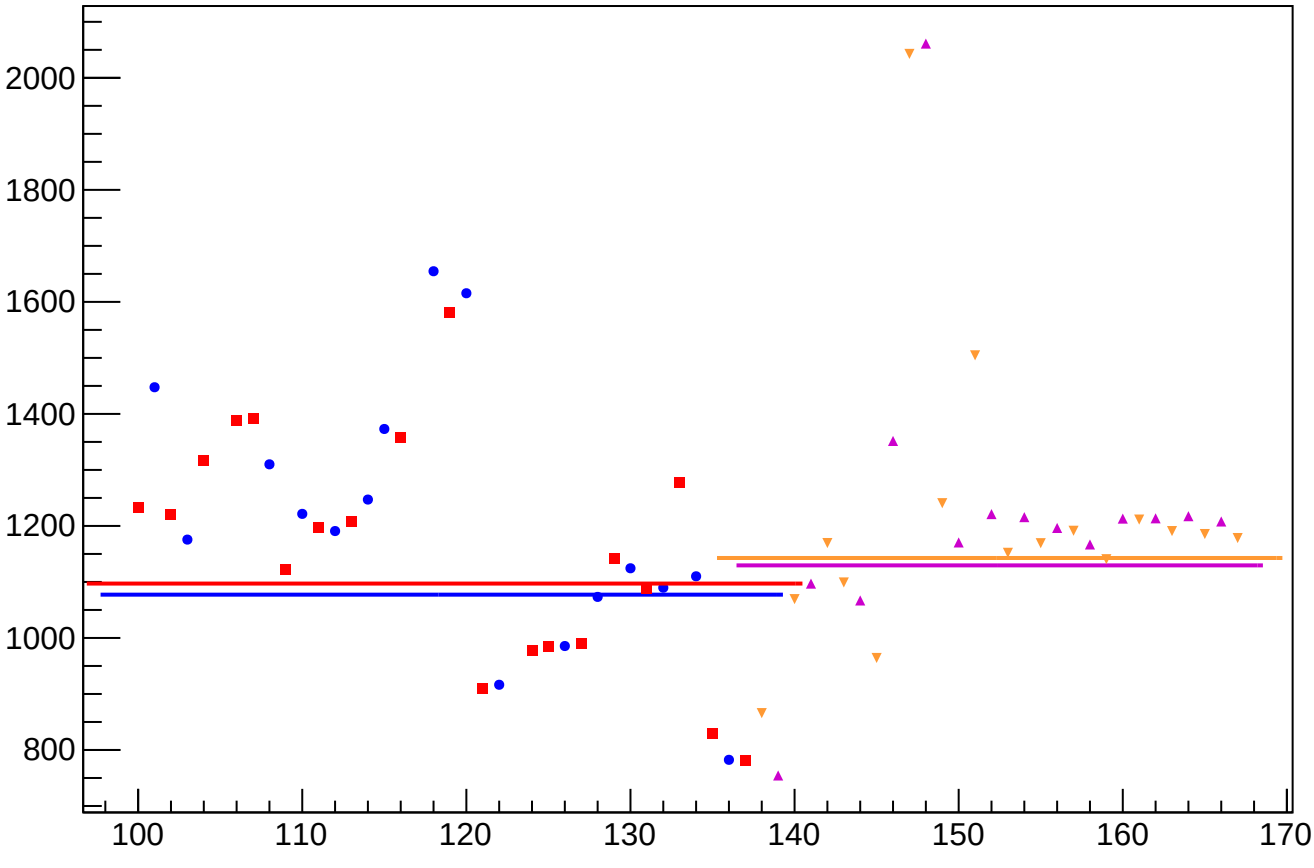
Out: 711.632+/-0.117 χ^2/NDF:1843769.1/34

All: 699.192+/-0.083 χ^2/NDF: 4646577.8/64


diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -2.974+/-2.746 χ²/NDF: 11.6/15
Left Out: 4.423+/-1.803 χ²/NDF:11.4/15
Right Out: -4.955+/-2.653 χ²/NDF: 18.5/18
Left In: -2.123+/-1.866 χ²/NDF:22.2/13
Left: 1.263+/-1.296 χ²/NDF: 39.9/29
Right: -3.999+/-1.908 χ²/NDF: 30.3/34
In: -2.392+/-1.543 χ²/NDF:33.8/29
Out: 1.461+/-1.491 χ²/NDF:38.4/34
All: -0.399+/-1.072 χ²/NDF: 75.4/64


diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
170
Right In: 7178.925+/-1.942 χ²/NDF: 761936.2/15
Left Out: 6339.844+/-1.275 χ²/NDF:291536.2/15
Right Out: 7033.538+/-1.876 χ²/NDF: 766389.2/18
Left In: 6258.024+/-1.319 χ²/NDF:369278.4/13
Left: 6300.343+/-0.917 χ²/NDF: 662804.0/29
Right: 7103.732+/-1.349 χ²/NDF: 1531224.9/34
In: 6548.870+/-1.091 χ²/NDF:1285102.5/29
Out: 6558.919+/-1.054 χ²/NDF:1151467.1/34
All: 6554.067+/-0.758 χ²/NDF: 2436613.5/64


diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: 0.547+/-0.411 χ²/NDF: 11.9/15
Left Out: 0.219+/-0.327 χ²/NDF:15.7/15
Right Out: 0.059+/-0.409 χ²/NDF: 16.9/18
Left In: -0.057+/-0.341 χ²/NDF:6.3/13
Left: 0.086+/-0.236 χ²/NDF: 22.3/29
Right: 0.302+/-0.290 χ²/NDF: 29.5/34
In: 0.189+/-0.262 χ²/NDF:19.5/29
Out: 0.156+/-0.256 χ²/NDF:32.7/34
All: 0.172+/-0.183 χ²/NDF: 52.2/64



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1142.779+/-0.231 χ^2/NDF:651618.6/15

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1129.578+/-0.241 χ^2/NDF:855219.4/13

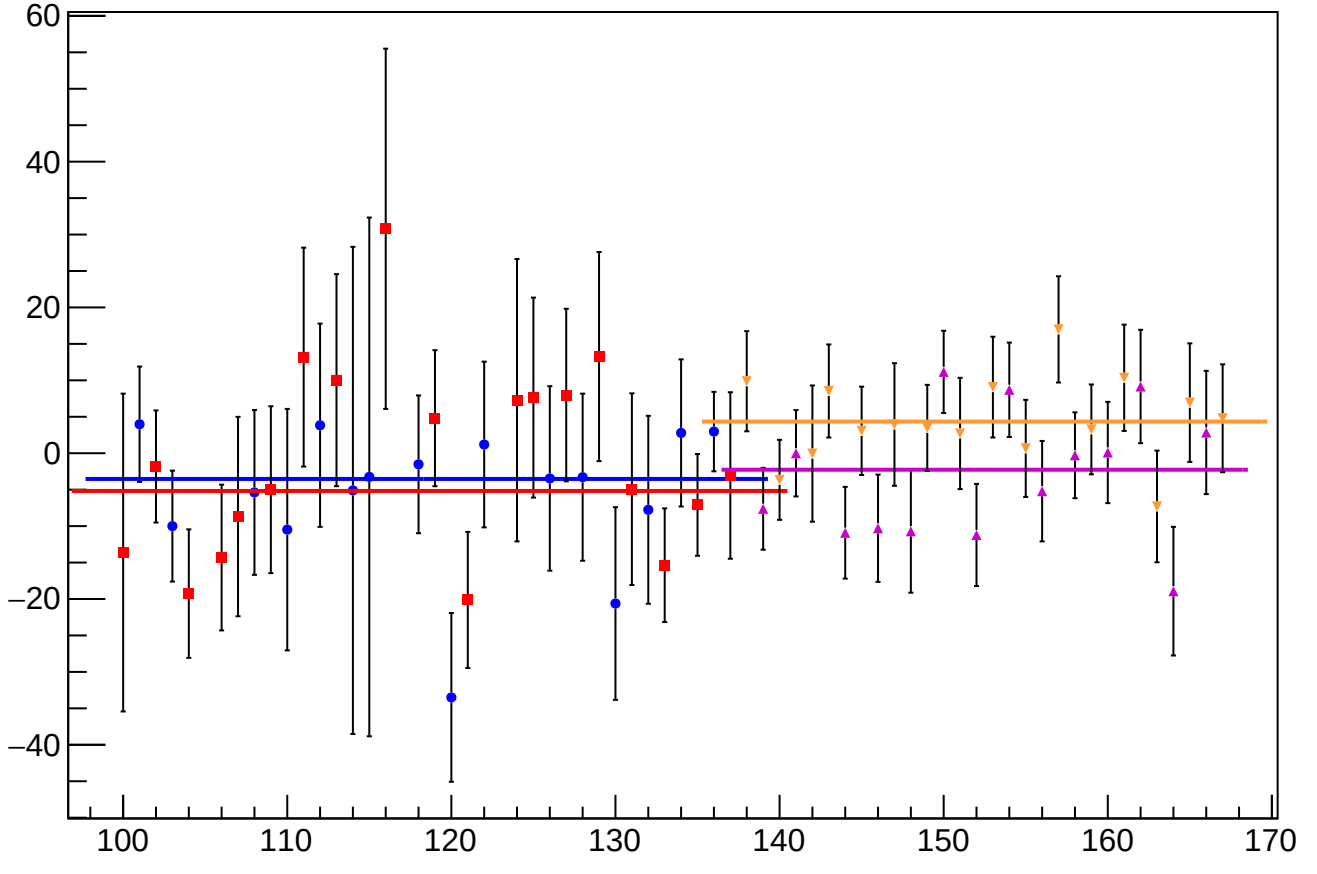
Left: 1136.448+/-0.167 χ^2/NDF: 1508397.5/29

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1108.257+/-0.186 χ^2/NDF:1520908.2/29

Out: 1124.935+/-0.181 χ^2/NDF:1151195.7/34

All: 1116.817+/-0.129 χ^2/NDF: 2676250.6/64



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.340+/-1.726 χ^2/NDF:10.4/15

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -2.262+/-1.803 χ^2/NDF:21.8/13

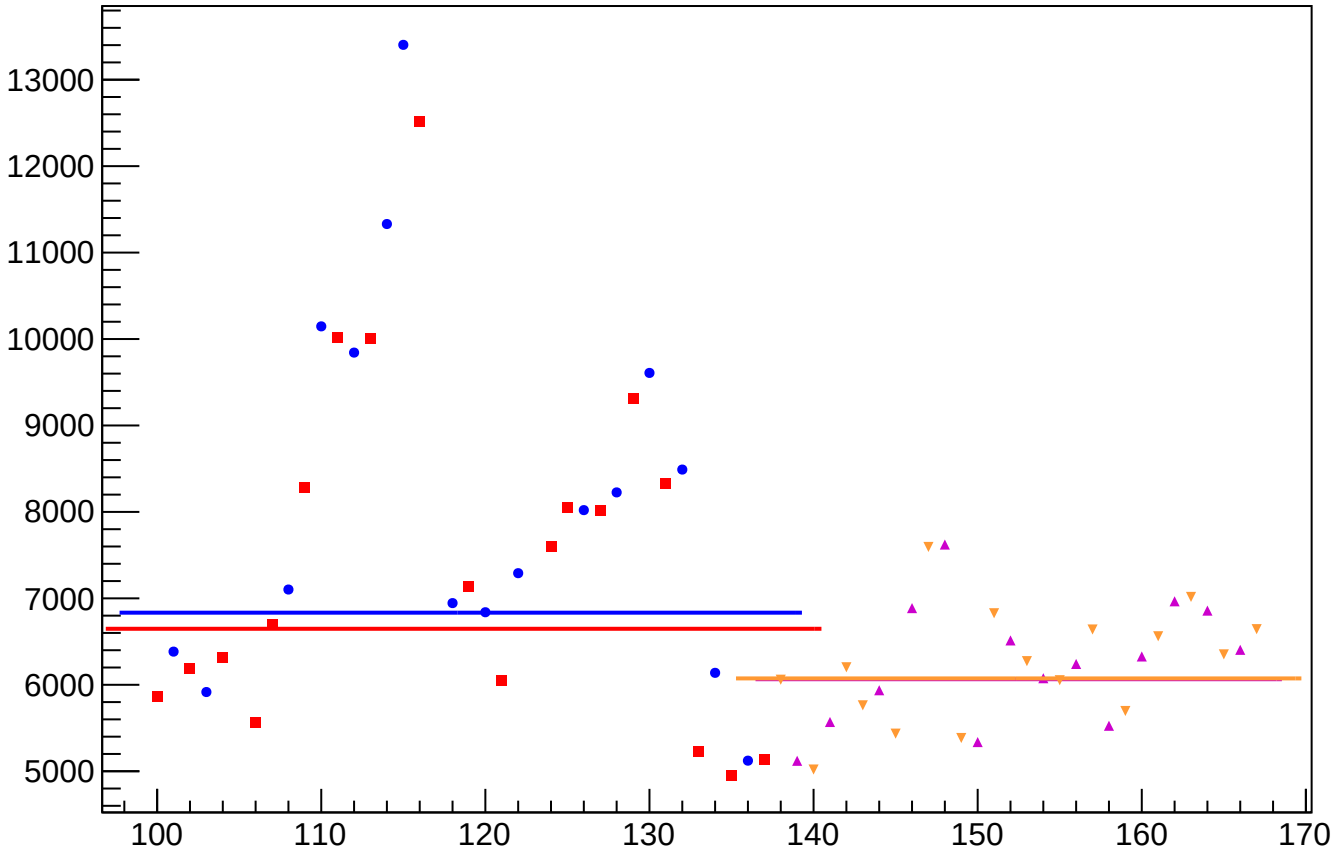
Left: 1.183+/-1.247 χ^2/NDF: 39.2/29

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -2.671+/-1.483 χ^2/NDF:34.6/29

Out: 1.281+/-1.422 χ^2/NDF:38.4/34

All: -0.612+/-1.026 χ^2/NDF: 76.7/64



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6073.856+/-1.221 χ^2/NDF:288110.5/15

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6064.447+/-1.275 χ^2/NDF:273214.1/13

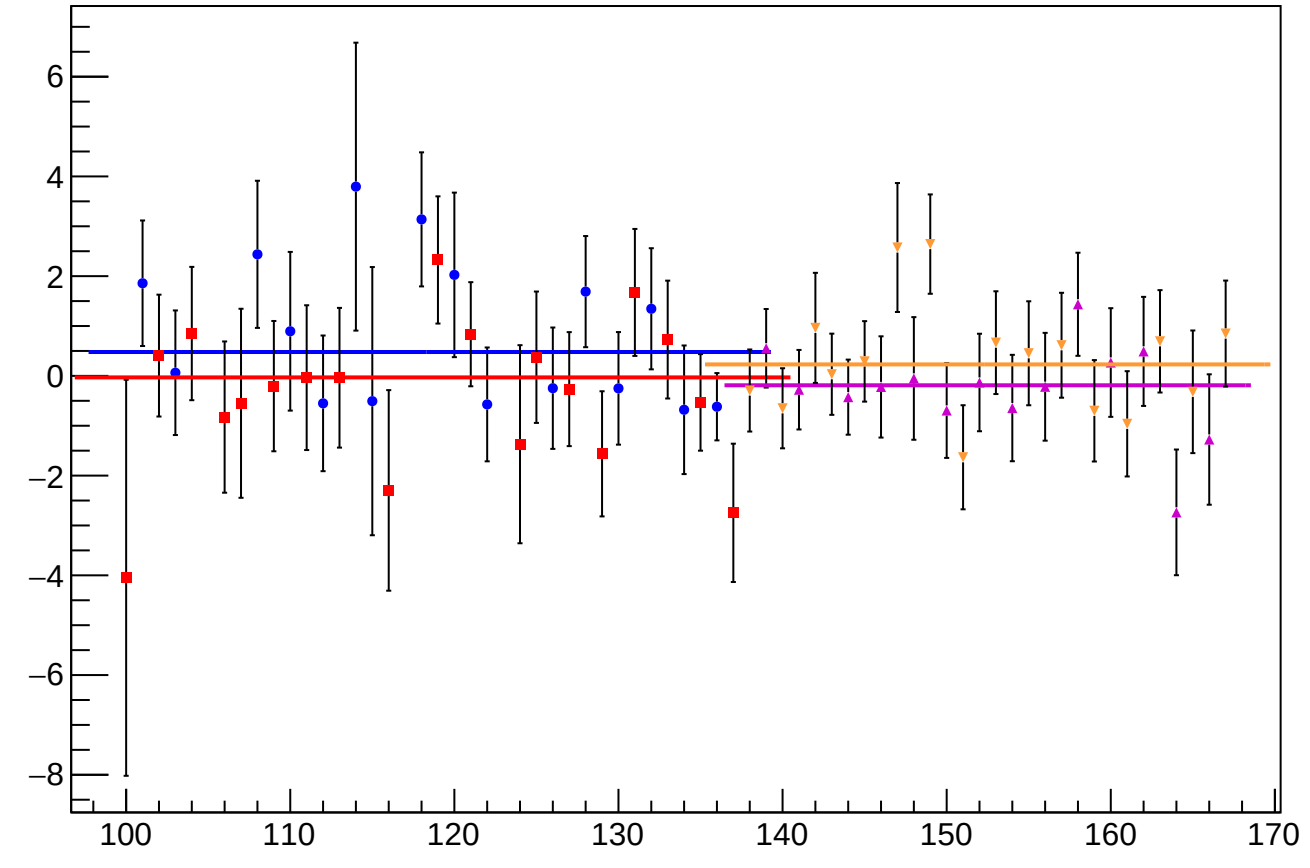
Left: 6069.356+/-0.882 χ^2/NDF: 561353.1/29

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

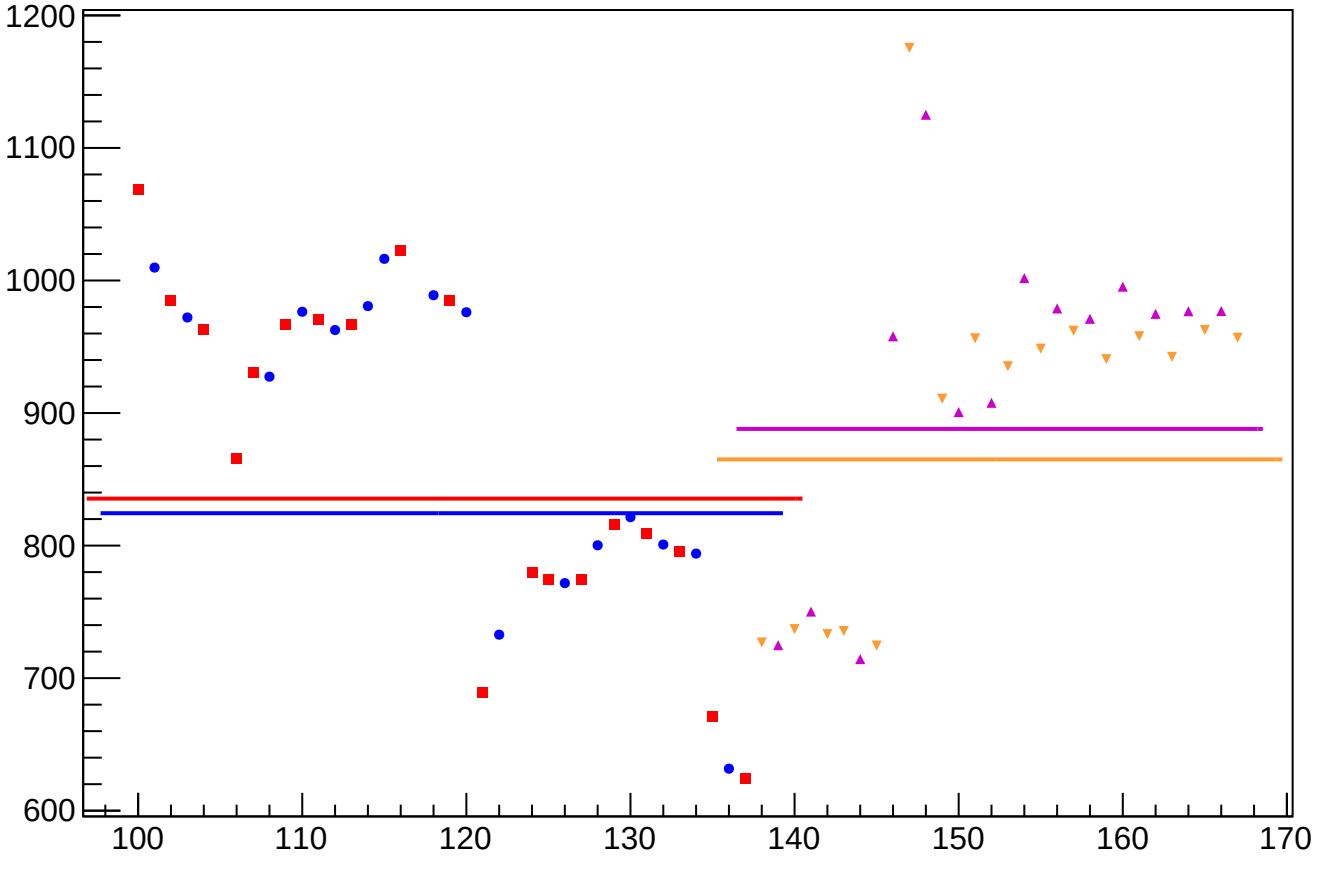
In: 6313.403+/-1.049 χ^2/NDF:1083856.9/29

Out: 6258.413+/-1.005 χ^2/NDF:1144335.9/34

All: 6284.750+/-0.726 χ^2/NDF: 2229625.4/64


diff_bpm_4eY_4ecY_dd_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: 0.479+/-0.311 χ²/NDF: 16.7/15
Left Out: 0.230+/-0.246 χ²/NDF:17.7/15
Right Out: -0.030+/-0.309 χ²/NDF: 15.7/18
Left In: -0.189+/-0.264 χ²/NDF:9.3/13
Left: 0.036+/-0.180 χ²/NDF: 28.3/29
Right: 0.222+/-0.219 χ²/NDF: 33.8/34
In: 0.092+/-0.201 χ²/NDF:28.7/29
Out: 0.129+/-0.192 χ²/NDF:33.8/34
All: 0.111+/-0.139 χ²/NDF: 62.5/64

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 865.035+/-0.174 χ^2/NDF:486431.4/15

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 888.017+/-0.187 χ^2/NDF:437896.6/13

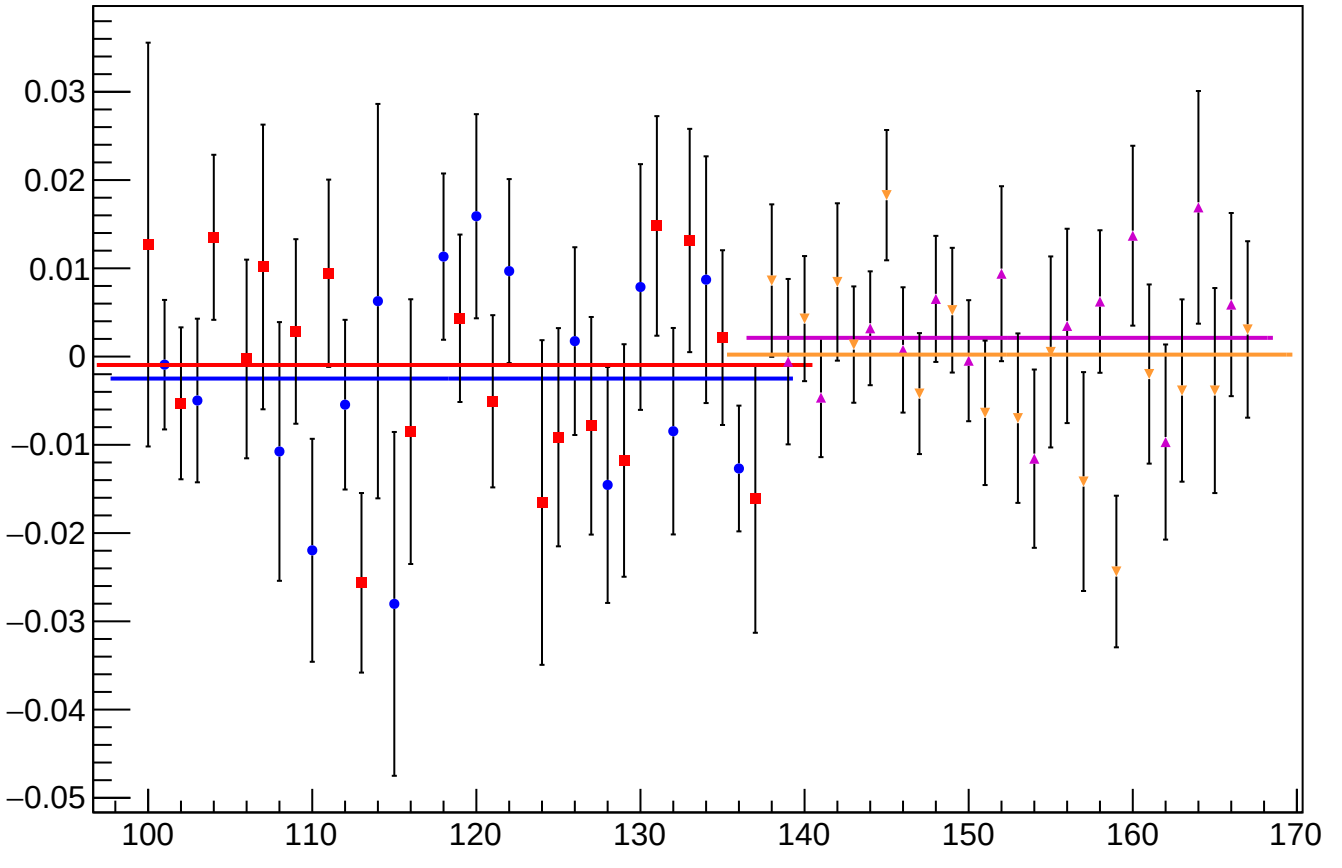
Left: 875.688+/-0.127 χ^2/NDF: 932427.6/29

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 861.308+/-0.142 χ^2/NDF:851909.6/29

Out: 853.540+/-0.136 χ^2/NDF:816990.4/34

All: 857.243+/-0.098 χ^2/NDF: 1670456.2/64



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:20.2/15

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.002+/-0.002 χ^2/NDF:8.1/13

Left: 0.001+/-0.002 χ^2/NDF: 28.7/29

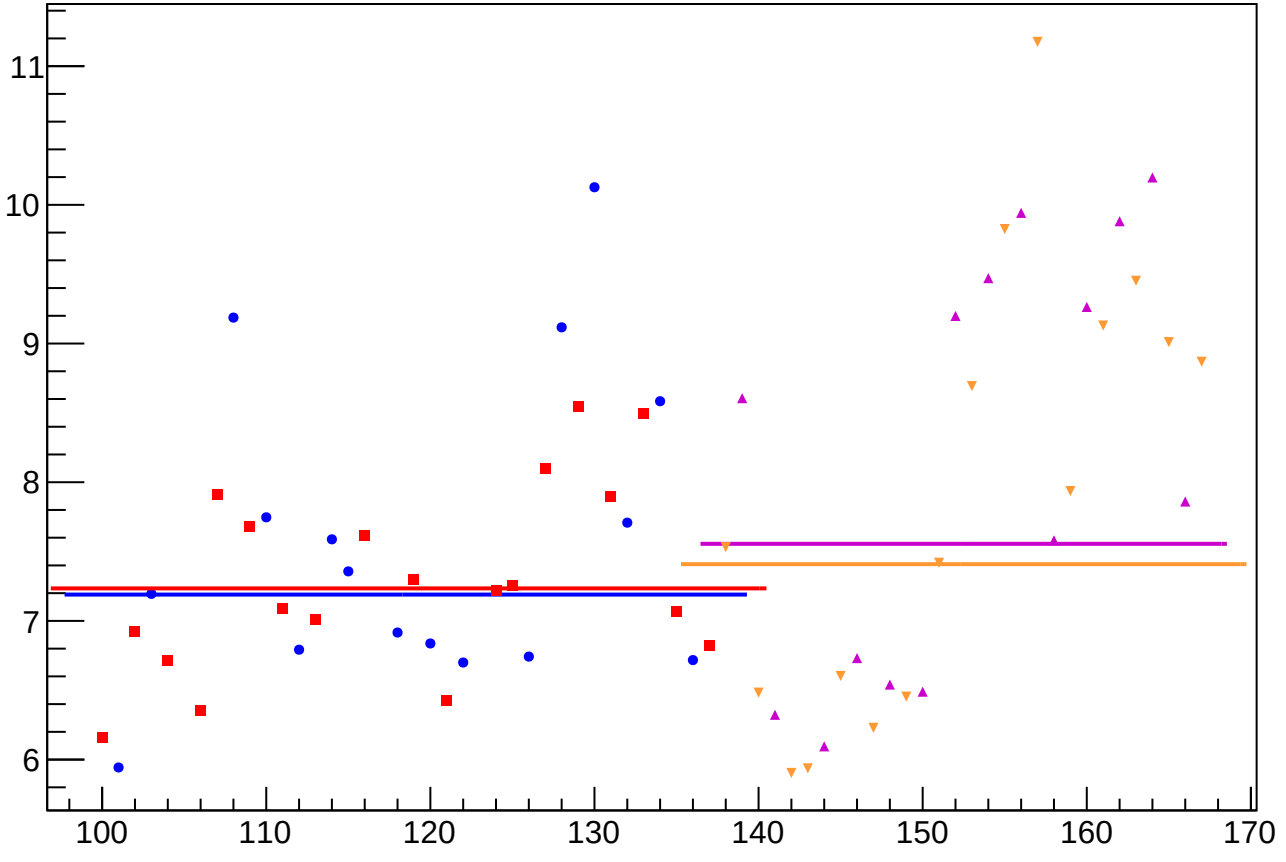
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: 0.000+/-0.002 χ^2/NDF:25.2/29

Out: -0.000+/-0.002 χ^2/NDF:37.6/34

All: -0.000+/-0.001 χ^2/NDF: 62.8/64

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.409+/-0.002 χ^2/NDF:854919.3/15

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.556+/-0.002 χ^2/NDF:757601.8/13

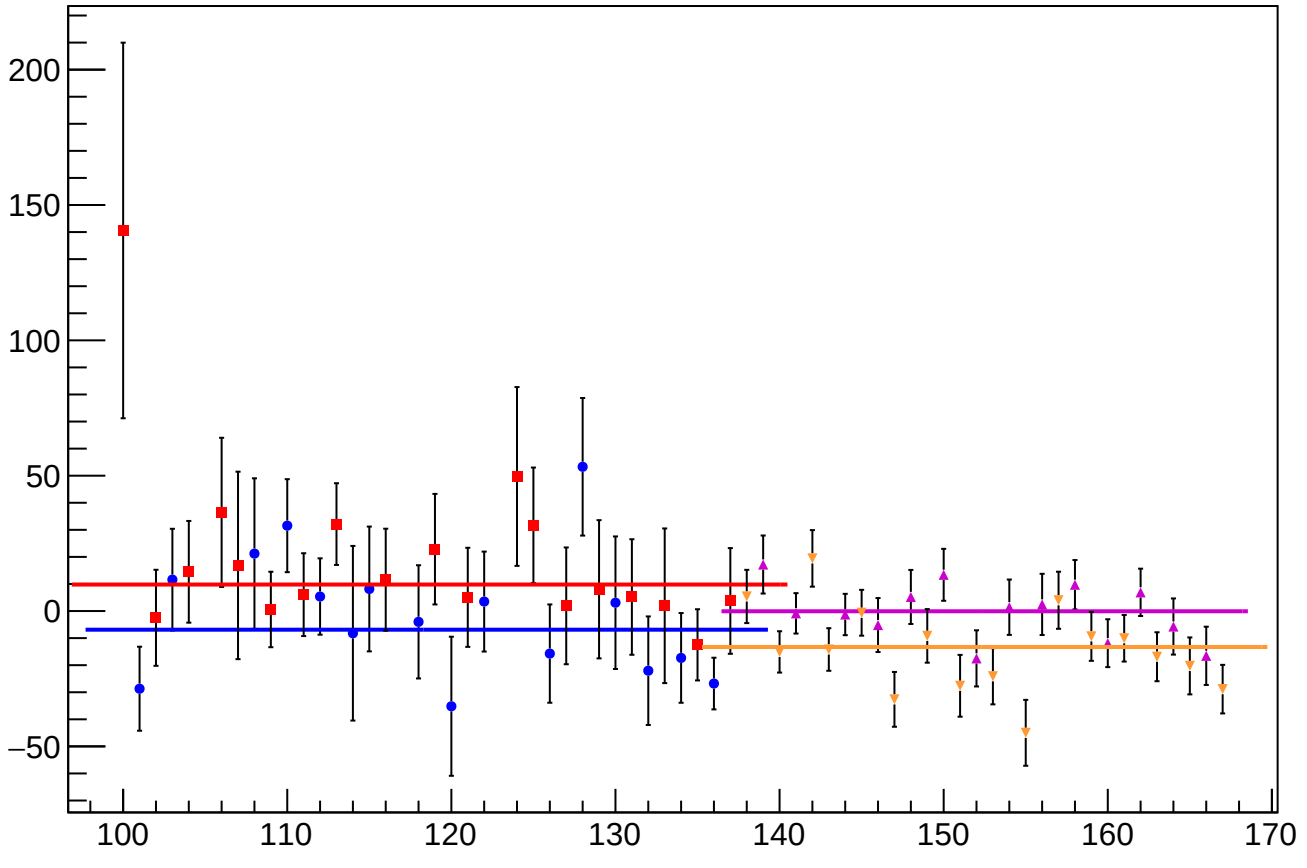
Left: 7.478+/-0.001 χ^2/NDF: 1616956.2/29

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

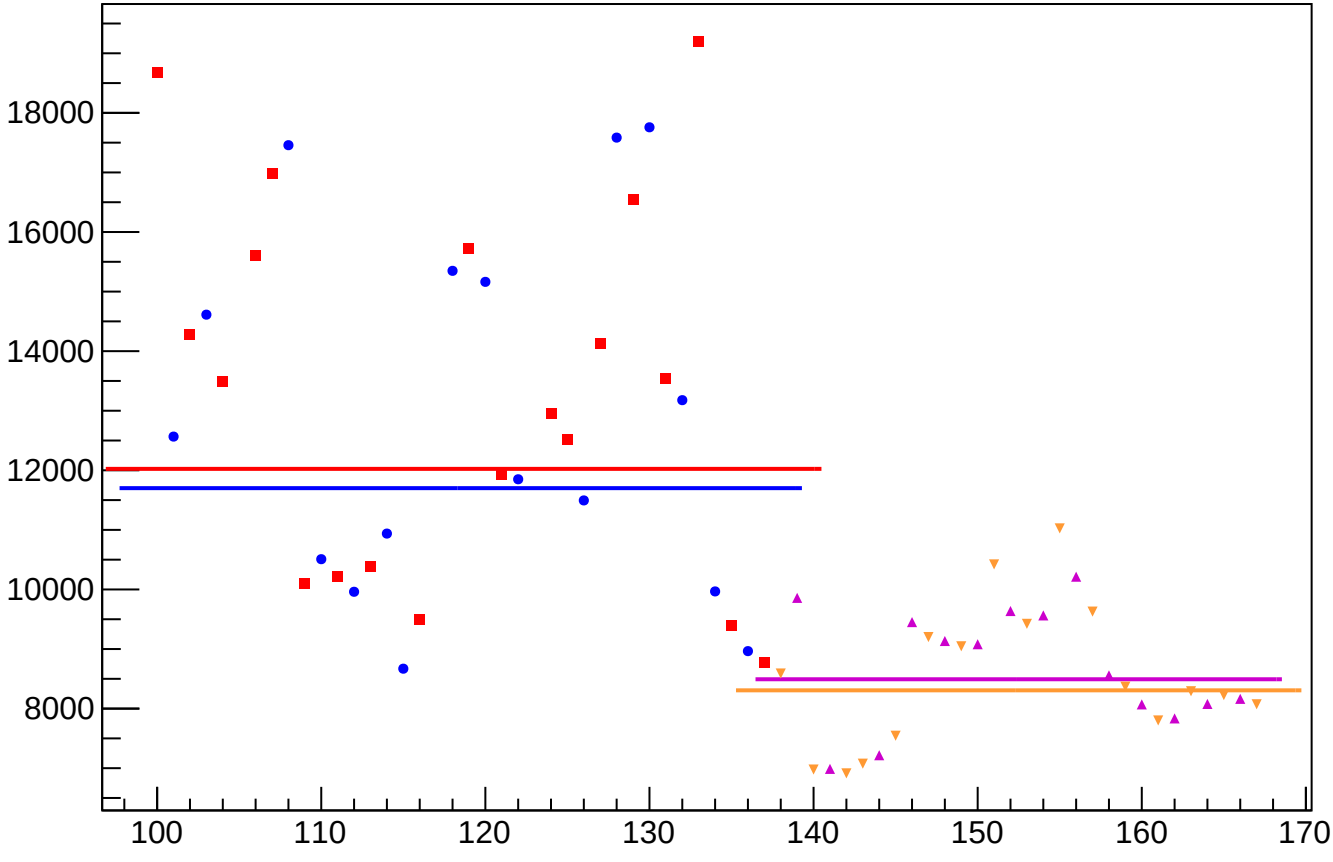
In: 7.405+/-0.001 χ^2/NDF:1056705.8/29

Out: 7.341+/-0.001 χ^2/NDF:966434.5/34

All: 7.371+/-0.001 χ^2/NDF: 2024569.1/64


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -13.290+/-2.365 χ²/NDF:35.6/15
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: -0.082+/-2.522 χ²/NDF:14.2/13
Left: -7.110+/-1.725 χ²/NDF: 64.4/29
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: -1.716+/-2.198 χ²/NDF:39.0/29
Out: -8.326+/-2.095 χ²/NDF:70.1/34
All: -5.180+/-1.517 χ²/NDF: 113.8/64

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8306.719+/-1.672 χ^2/NDF:421114.4/15

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8492.621+/-1.783 χ^2/NDF:317547.8/13

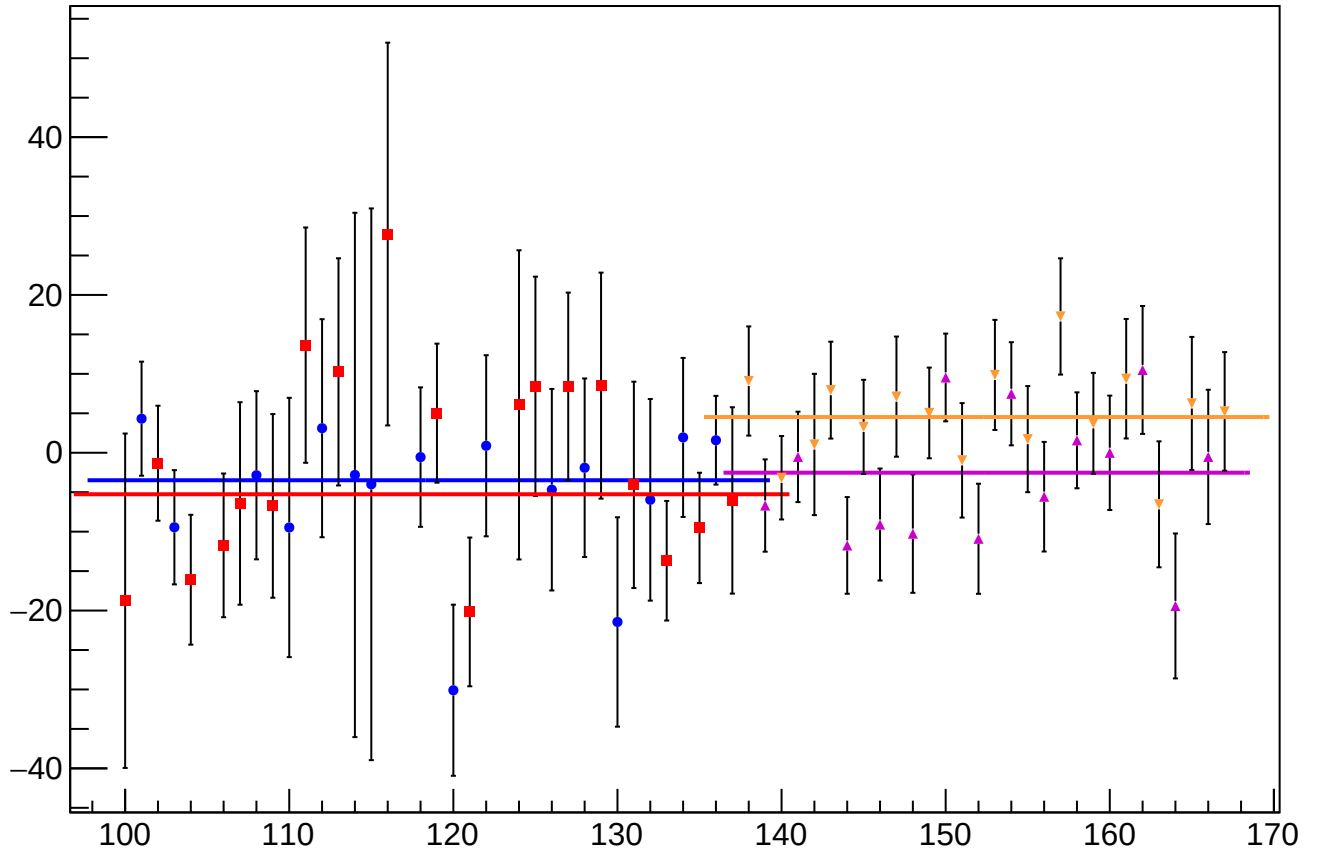
Left: 8393.705+/-1.220 χ^2/NDF: 744445.6/29

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

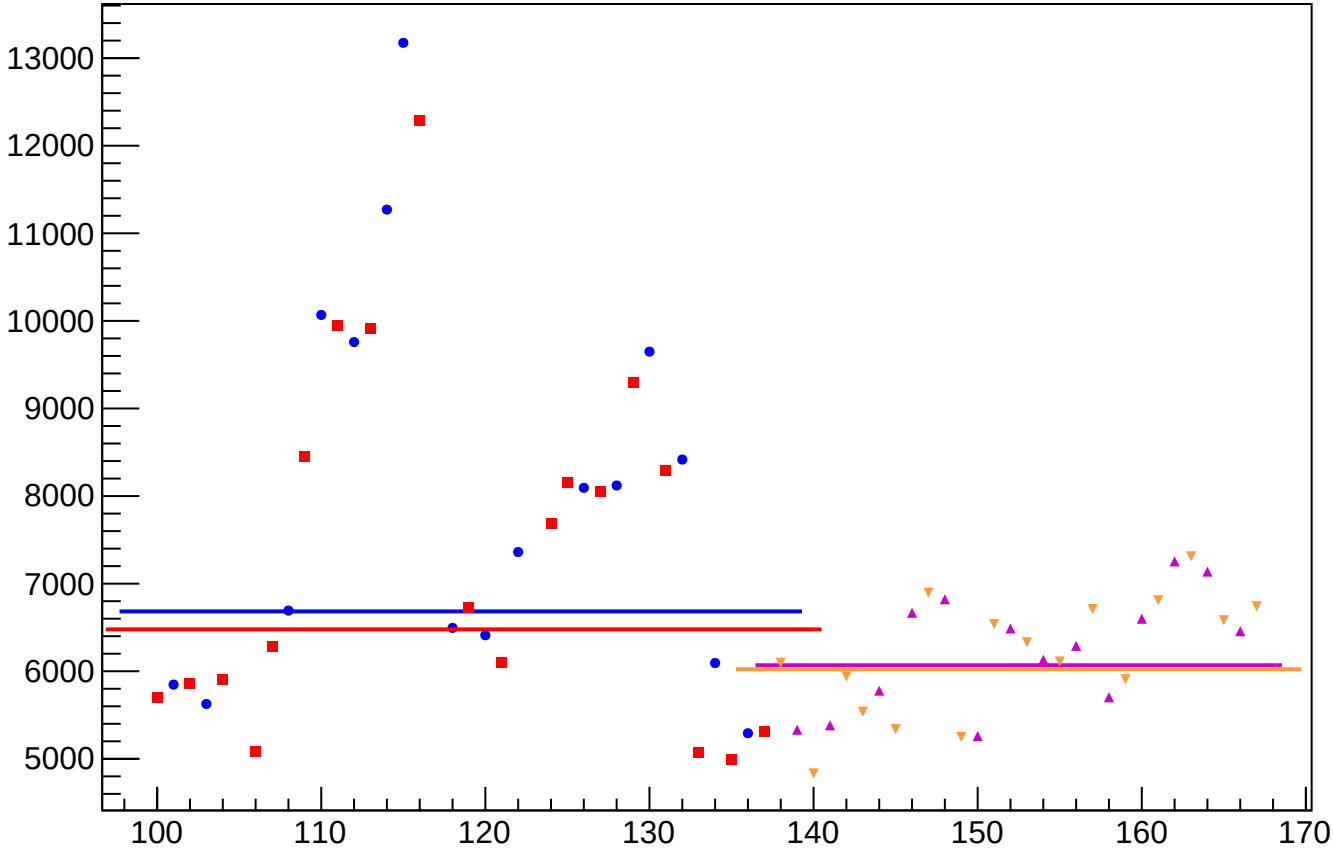
In: 9262.305+/-1.555 χ^2/NDF:1834306.5/29

Out: 9106.335+/-1.481 χ^2/NDF:2169043.4/34

All: 9180.565+/-1.072 χ^2/NDF: 4008625.3/64


diff_targ_positionY_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -3.485+/-2.550 χ²/NDF: 11.5/15
Left Out: 4.524+/-1.713 χ²/NDF:9.9/15
Right Out: -5.259+/-2.446 χ²/NDF: 16.6/18
Left In: -2.527+/-1.802 χ²/NDF:20.1/13
Left: 1.176+/-1.242 χ²/NDF: 38.0/29
Right: -4.409+/-1.765 χ²/NDF: 28.3/34
In: -2.846+/-1.472 χ²/NDF:31.7/29
Out: 1.305+/-1.403 χ²/NDF:37.2/34
All: -0.672+/-1.016 χ²/NDF: 73.1/64

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6022.852+/-1.211 χ^2/NDF:336285.0/15

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6068.724+/-1.274 χ^2/NDF:243069.0/13

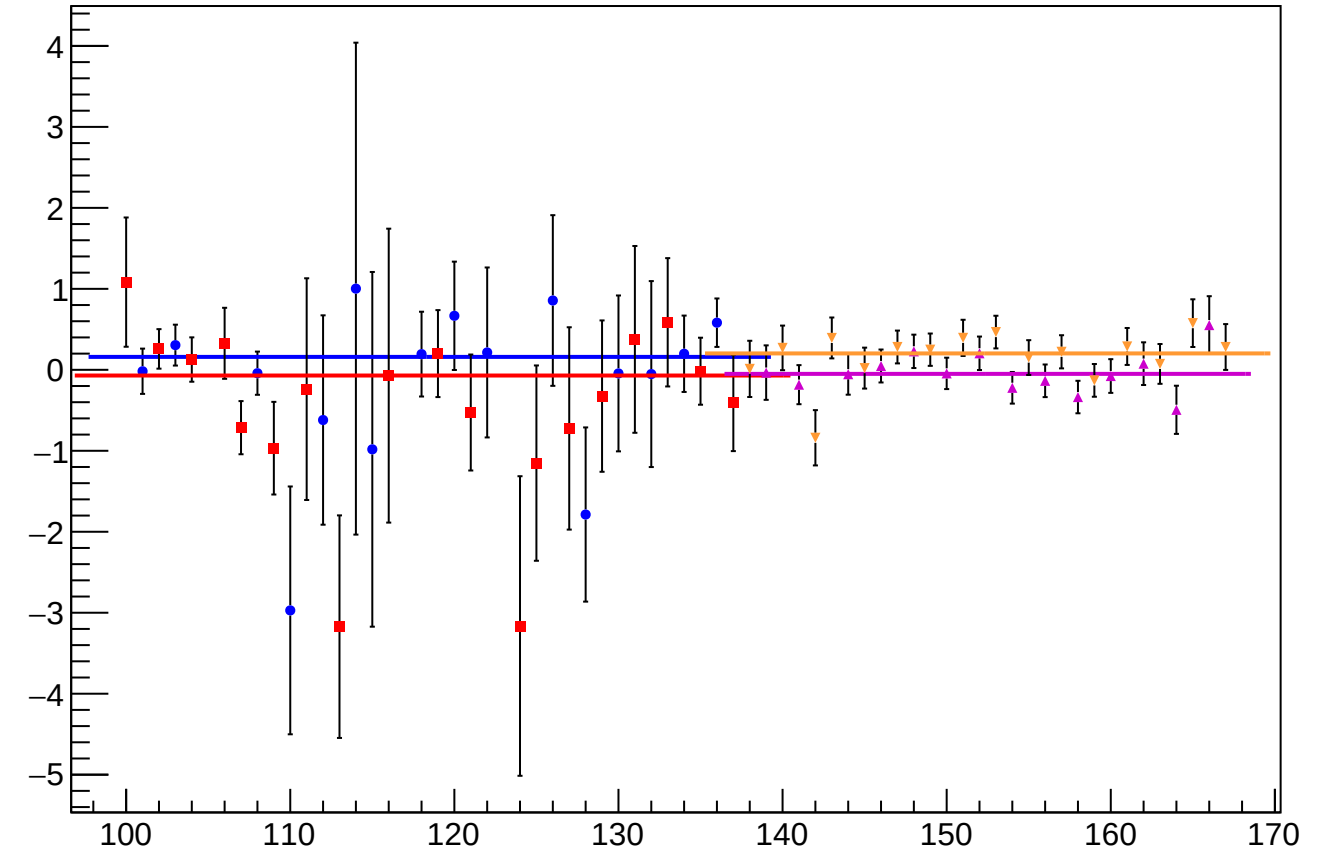
Left: 6044.629+/-0.878 χ^2/NDF: 580034.8/29

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6273.330+/-1.041 χ^2/NDF:1012688.7/29

Out: 6172.646+/-0.992 χ^2/NDF:1221990.6/34

All: 6220.598+/-0.718 χ^2/NDF: 2239583.2/64



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.202+/-0.059 χ^2/NDF:18.3/15

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.050+/-0.061 χ^2/NDF:12.2/13

Left: 0.079+/-0.042 χ^2/NDF: 39.4/29

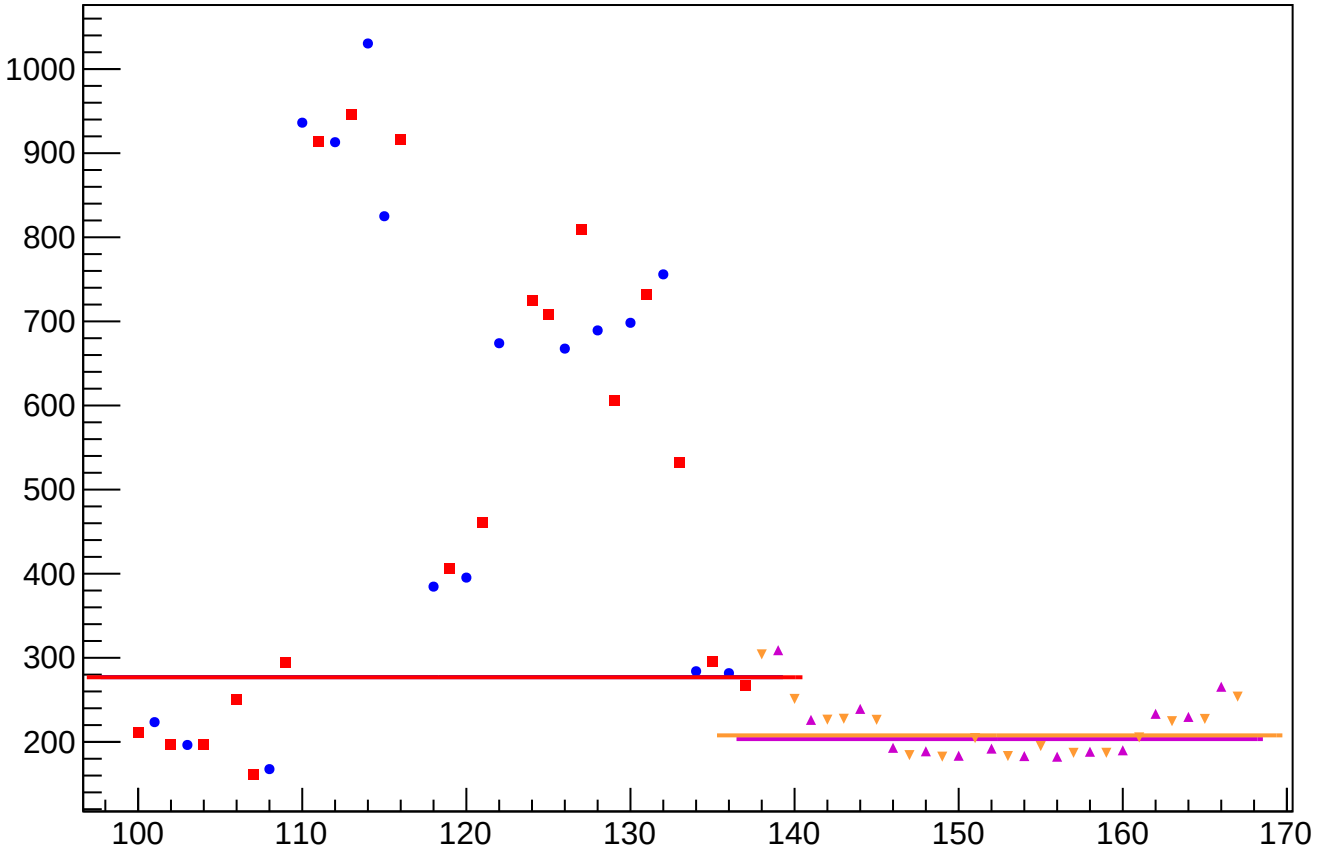
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.007+/-0.054 χ^2/NDF:27.2/29

Out: 0.149+/-0.053 χ^2/NDF:44.9/34

All: 0.072+/-0.038 χ^2/NDF: 76.4/64

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 207.784+/-0.042 χ^2/NDF:441618.0/15

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 203.364+/-0.043 χ^2/NDF:462646.2/13

Left: 205.628+/-0.030 χ^2/NDF: 909700.1/29

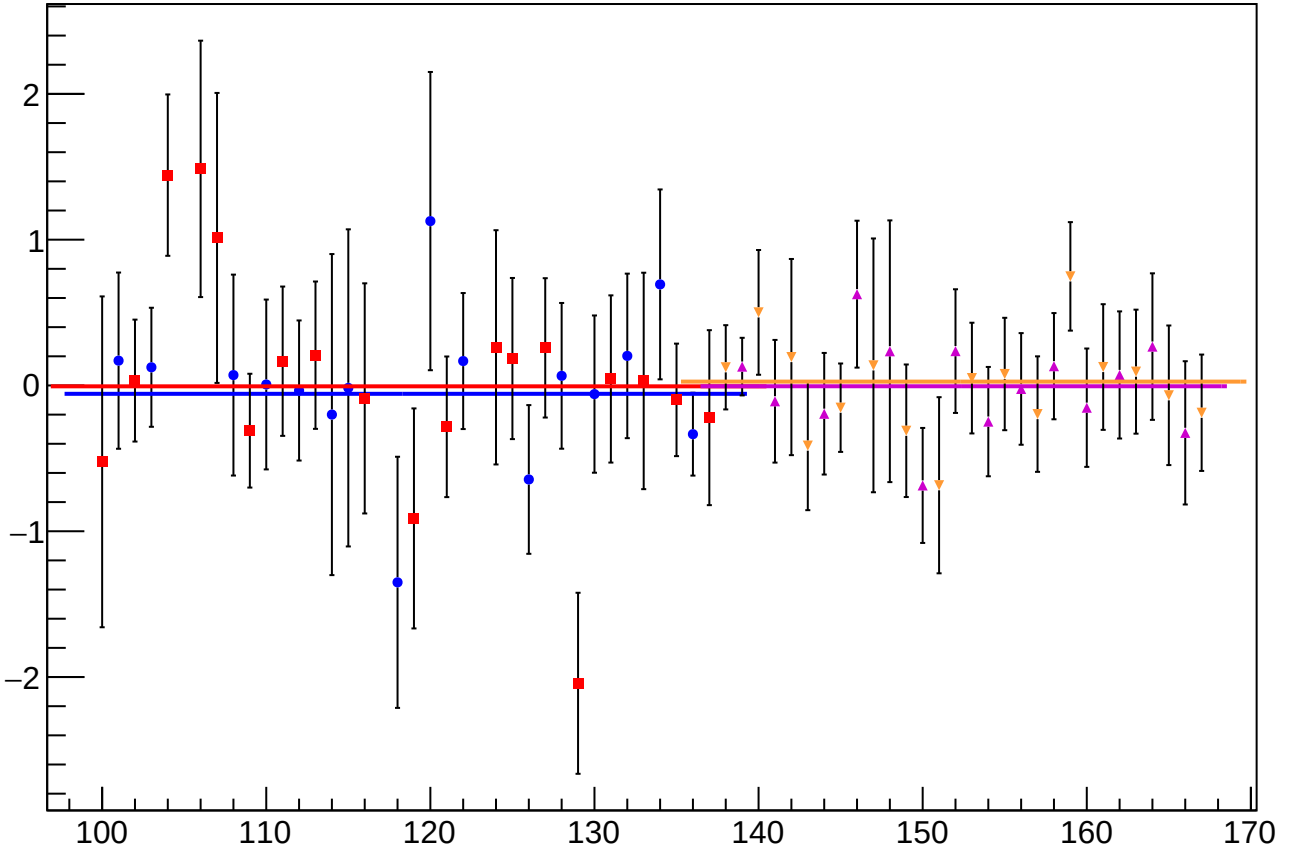
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 218.441+/-0.038 χ^2/NDF:4516587.7/29

Out: 221.362+/-0.038 χ^2/NDF:4548463.4/34

All: 219.930+/-0.027 χ^2/NDF: 9068022.0/64

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.026+/-0.104 χ^2/NDF:9.2/15

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.005+/-0.103 χ^2/NDF:7.1/13

Left: 0.010+/-0.073 χ^2/NDF: 16.4/29

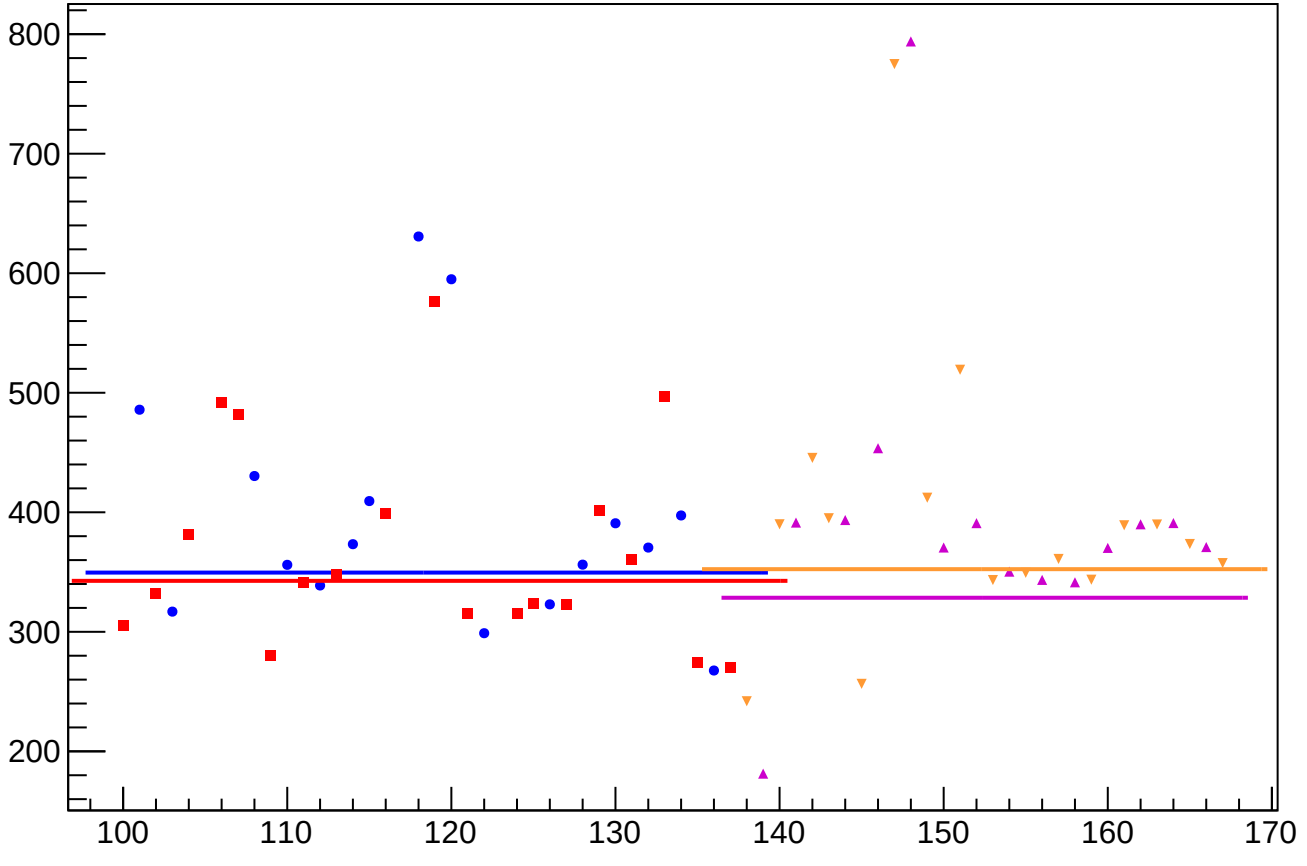
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.025+/-0.081 χ^2/NDF:15.3/29

Out: 0.014+/-0.081 χ^2/NDF:34.4/34

All: -0.005+/-0.057 χ^2/NDF: 49.8/64

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 352.413+/-0.073 χ^2/NDF:1261023.5/15

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 328.499+/-0.073 χ^2/NDF:2049299.2/13

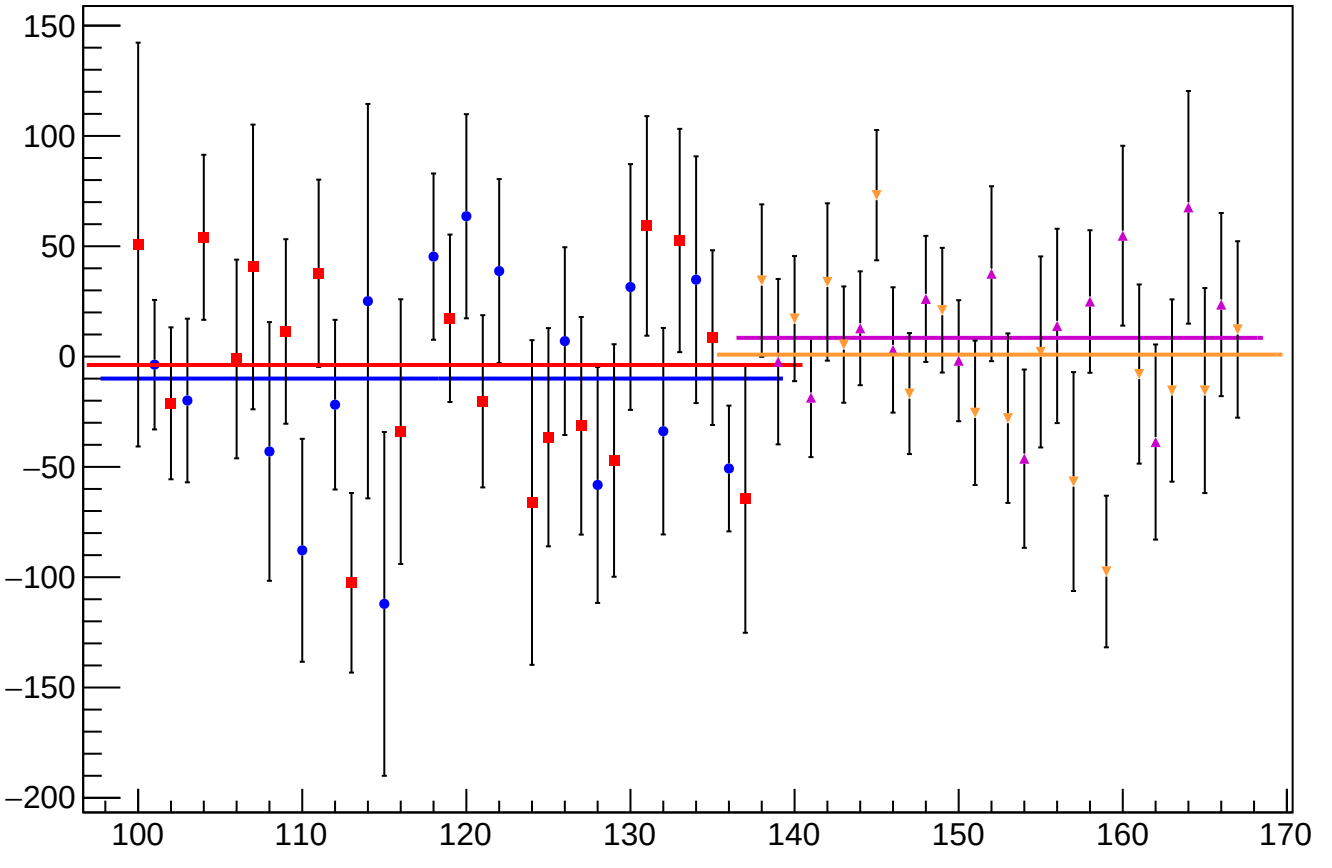
Left: 340.345+/-0.052 χ^2/NDF: 3364193.3/29

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 336.293+/-0.058 χ^2/NDF:2779817.2/29

Out: 348.583+/-0.057 χ^2/NDF:1843769.1/34

All: 342.489+/-0.041 χ^2/NDF: 4646577.8/64



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.884+/-8.539 χ^2/NDF:20.2/15

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 8.485+/-9.070 χ^2/NDF:8.1/13

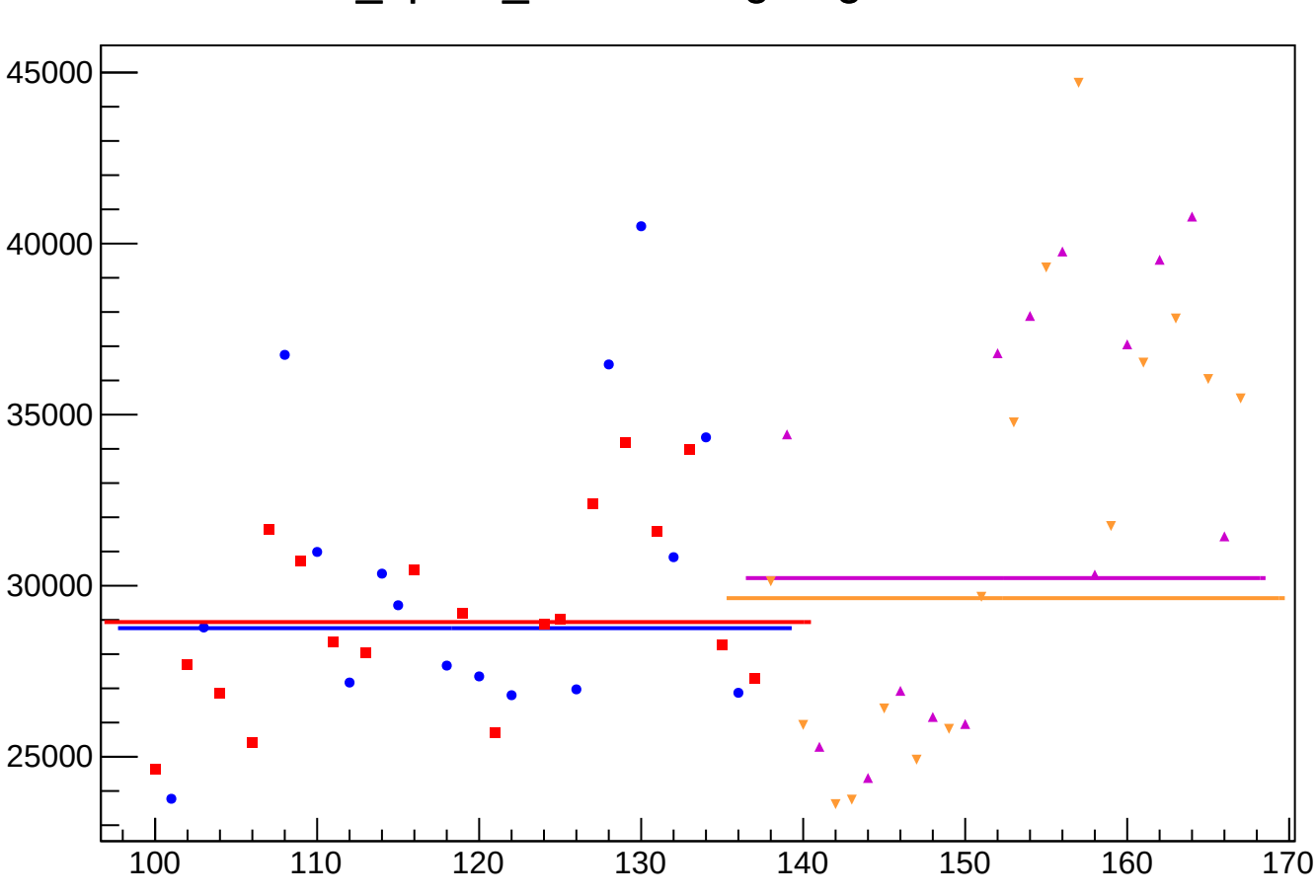
Left: 4.455+/-6.217 χ^2/NDF: 28.7/29

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.882+/-6.955 χ^2/NDF:25.2/29

Out: -0.957+/-6.659 χ^2/NDF:37.6/34

All: -0.078+/-4.810 χ^2/NDF: 62.8/64



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29636.413+/-6.038 χ^2/NDF:854919.3/15

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30223.044+/-6.414 χ^2/NDF:757601.8/13

Left: 29912.037+/-4.396 χ^2/NDF: 1616956.2/29

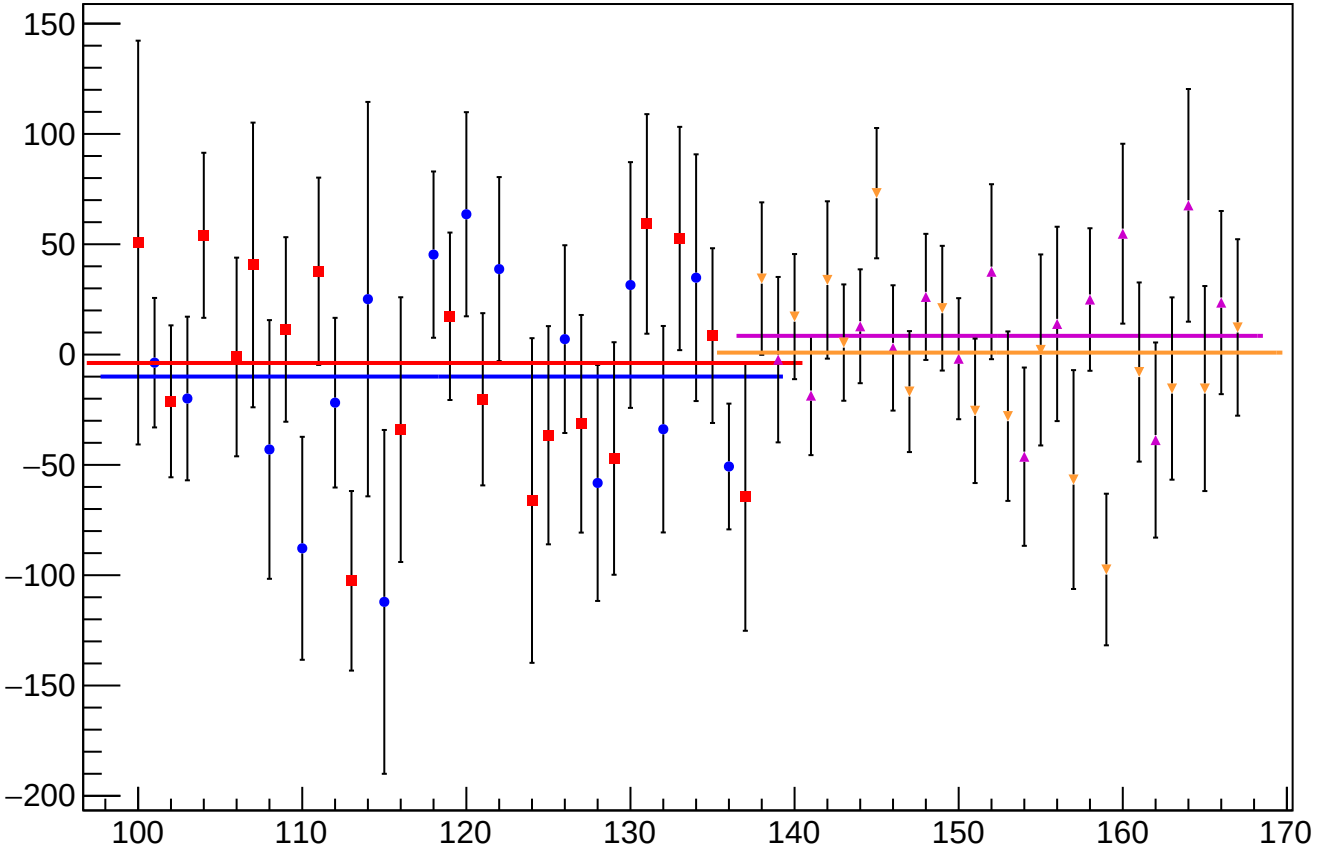
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29619.915+/-4.918 χ^2/NDF:1056705.8/29

Out: 29362.551+/-4.708 χ^2/NDF:966434.5/34

All: 29485.625+/-3.401 χ^2/NDF: 2024569.1/6

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.884+/-8.539 χ^2/NDF:20.2/15

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 8.485+/-9.070 χ^2/NDF:8.1/13

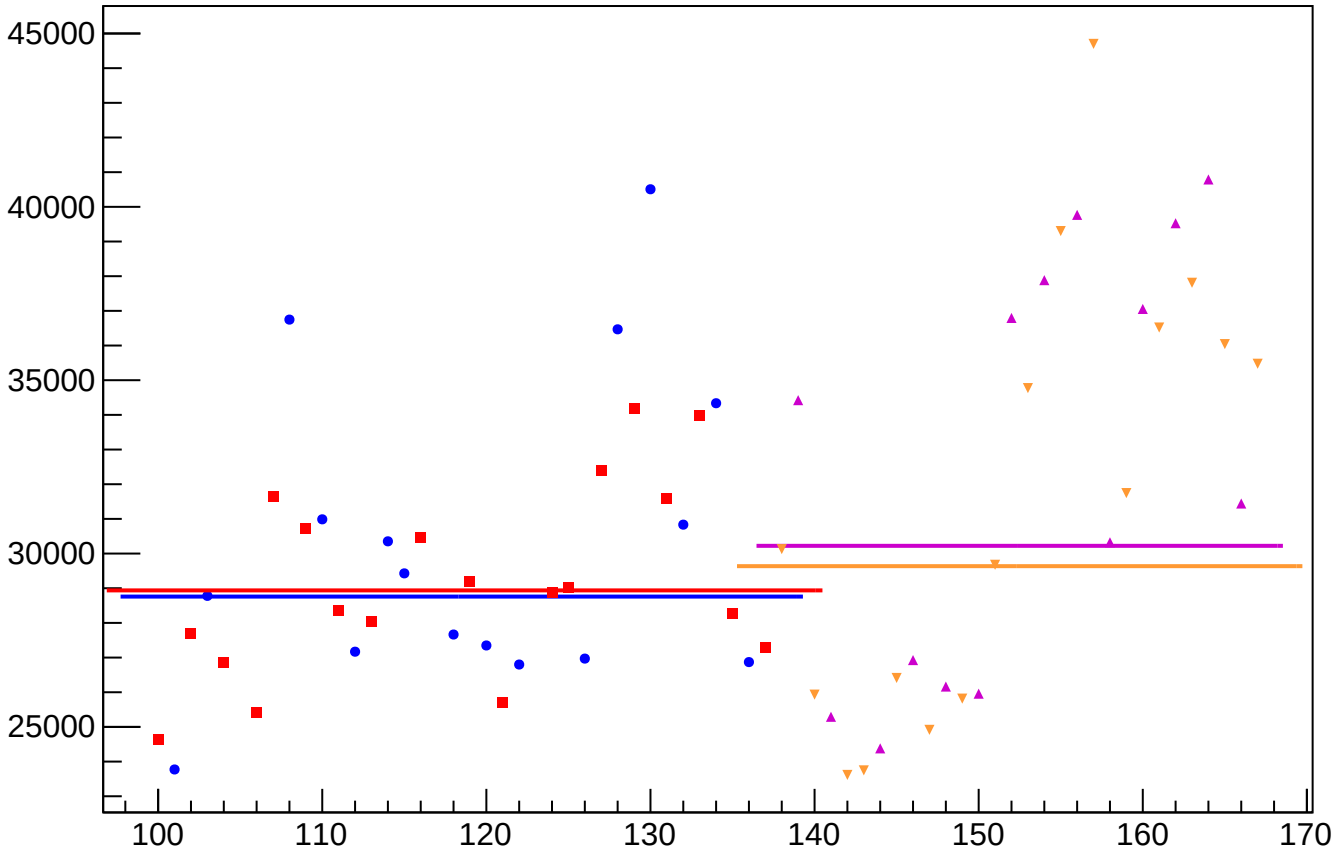
Left: 4.455+/-6.217 χ^2/NDF: 28.7/29

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

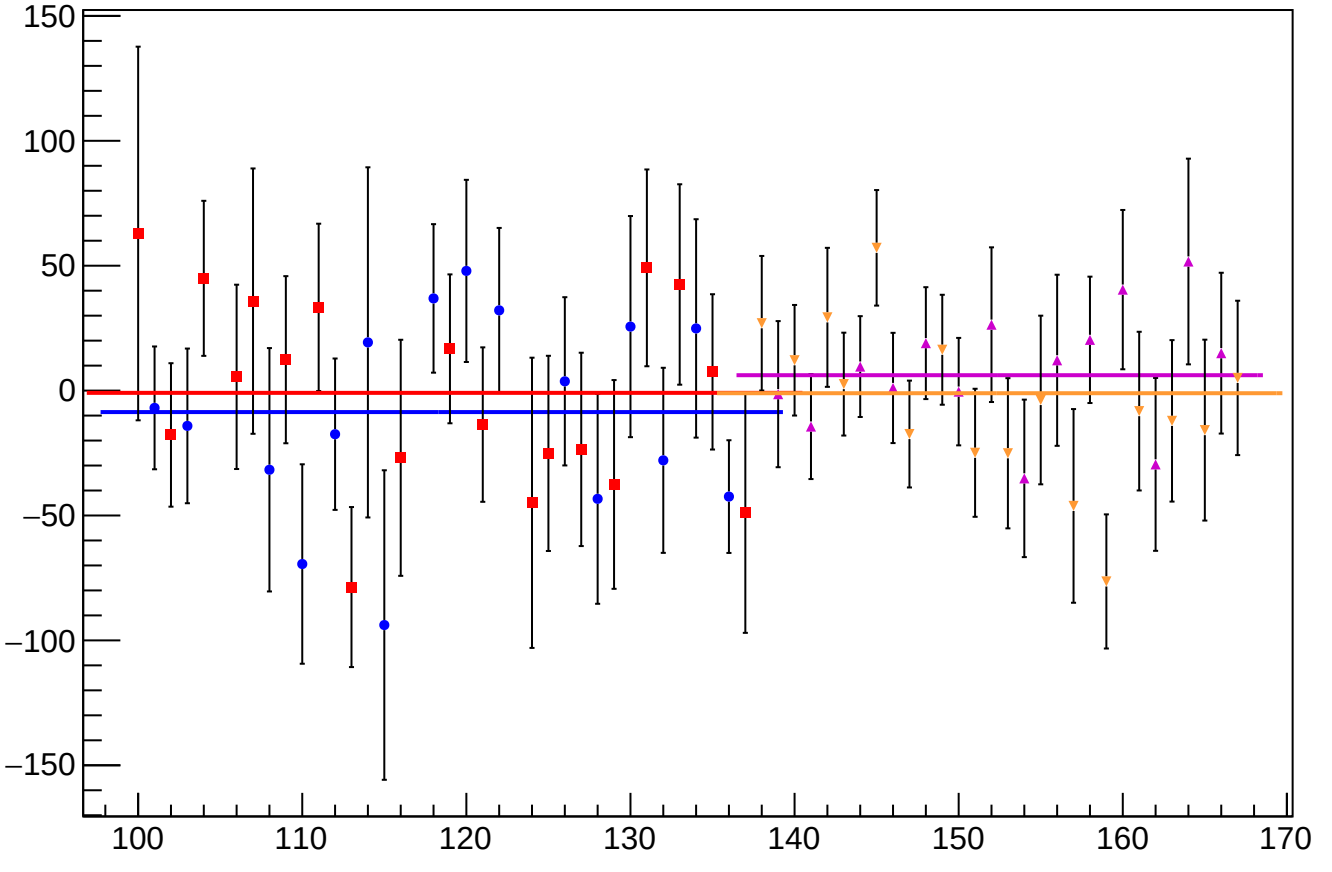
In: 0.882+/-6.955 χ^2/NDF:25.2/29

Out: -0.957+/-6.659 χ^2/NDF:37.6/34

All: -0.078+/-4.810 χ^2/NDF: 62.8/64


diff_bpmEX_rms vs Slug, Sign Corrected
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 29636.413+/-6.038 χ²/NDF:854919.3/15
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30223.044+/-6.414 χ²/NDF:757601.8/13
Left: 29912.037+/-4.396 χ²/NDF: 1616956.2/29
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29619.915+/-4.918 χ²/NDF:1056705.8/29
Out: 29362.551+/-4.708 χ²/NDF:966434.5/34
All: 29485.625+/-3.401 χ²/NDF: 2024569.1/6

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -1.047+/-6.666 χ^2/NDF:21.3/15

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 6.164+/-7.083 χ^2/NDF:7.5/13

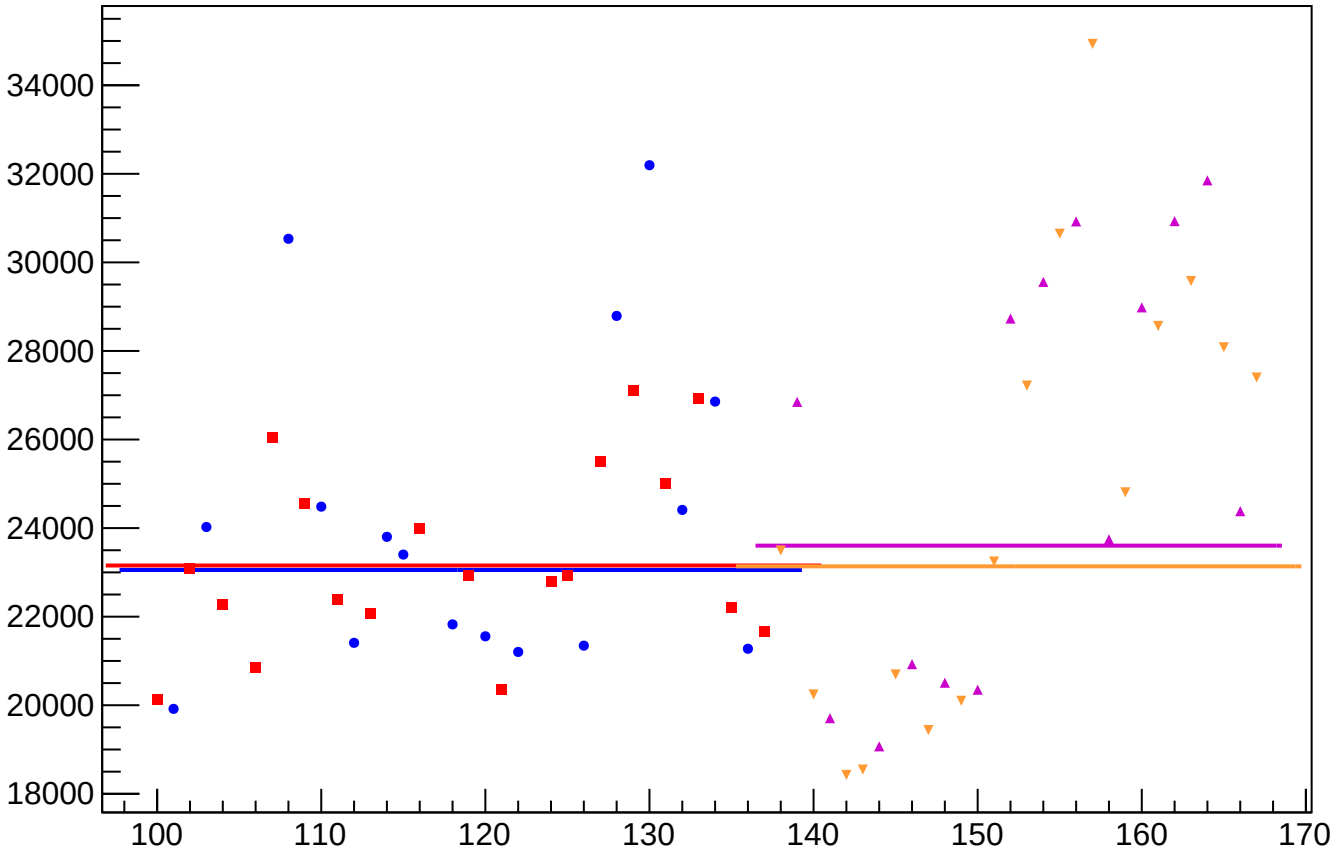
Left: 2.339+/-4.854 χ^2/NDF: 29.4/29

Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

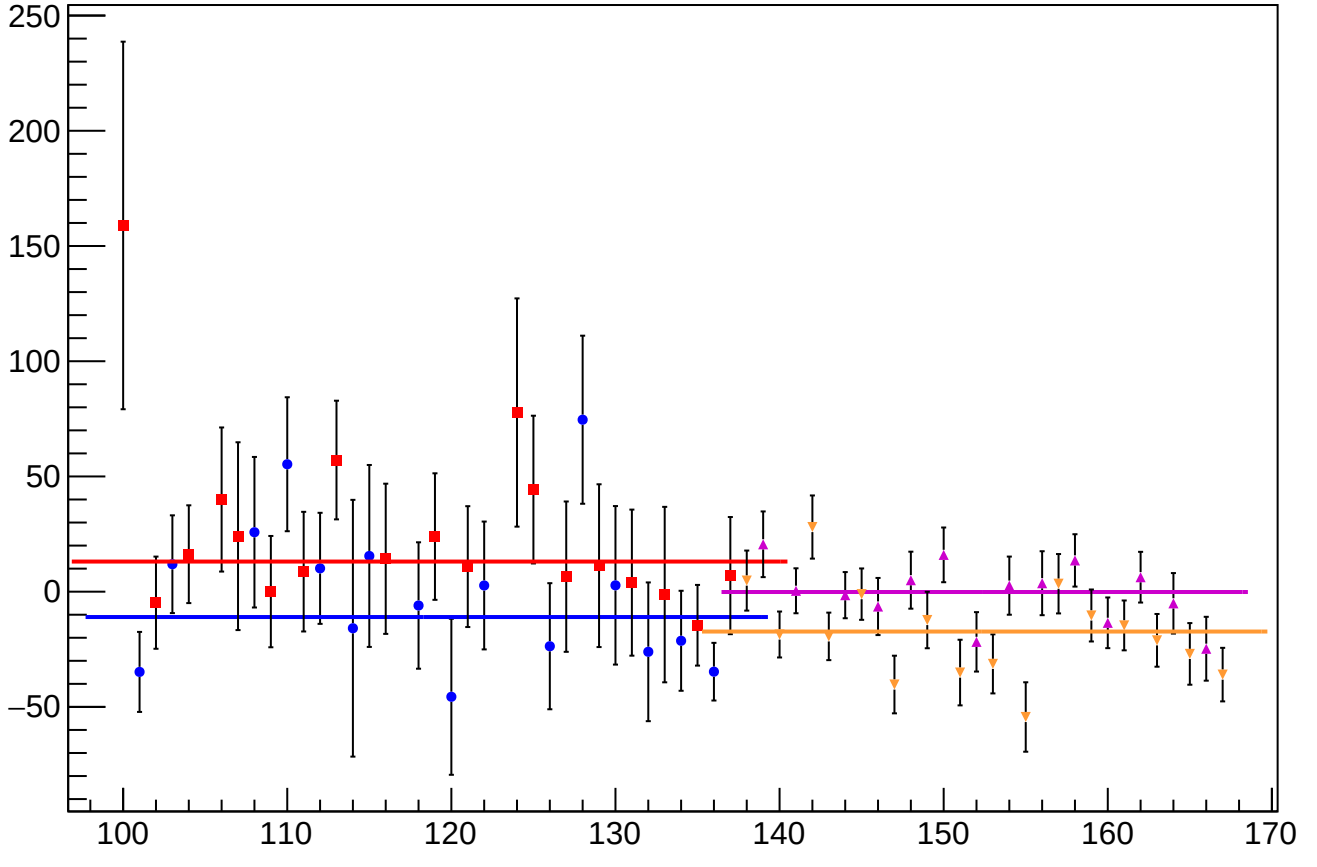
In: 0.261+/-5.488 χ^2/NDF:24.8/29

Out: -0.993+/-5.247 χ^2/NDF:38.9/34

All: -0.394+/-3.792 χ^2/NDF: 63.7/64


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
34000
32000
30000
28000
26000
24000
22000
20000
18000
100
110
120
130
140
150
160
170
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 23136.082+/-4.713 χ²/NDF:853418.5/15
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 23603.777+/-5.009 χ²/NDF:753203.7/13
Left: 23355.732+/-3.432 χ²/NDF: 1611246.5/29
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 23383.926+/-3.880 χ²/NDF:1019467.4/29
Out: 23143.375+/-3.710 χ²/NDF:947318.8/34
All: 23258.252+/-2.681 χ²/NDF: 1968794.1/6

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -17.298+/-3.011 χ^2/NDF:34.6/15

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: -0.144+/-3.189 χ^2/NDF:13.9/13

Left: -9.214+/-2.189 χ^2/NDF: 63.8/29

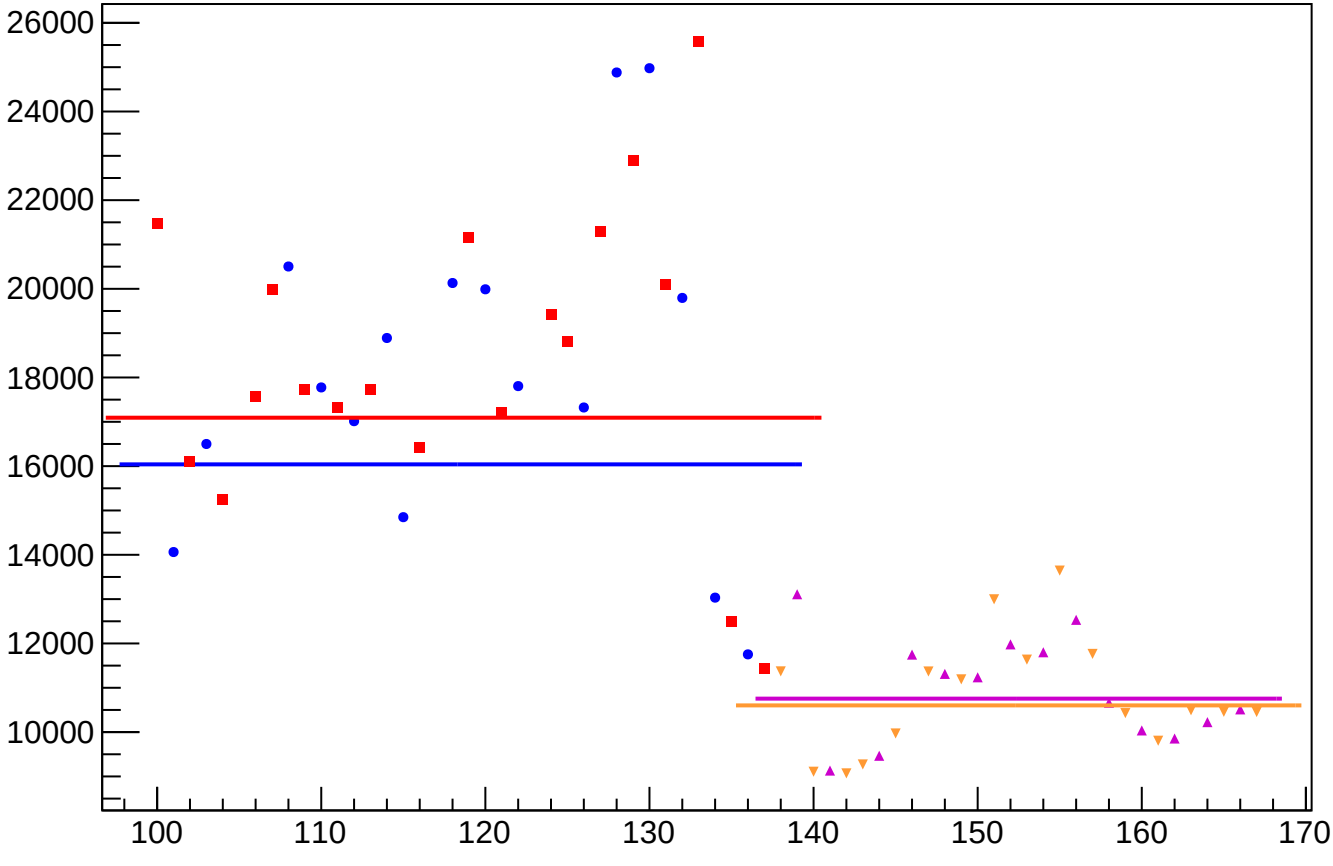
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -2.442+/-2.832 χ^2/NDF:38.4/29

Out: -11.768+/-2.723 χ^2/NDF:67.0/34

All: -7.287+/-1.963 χ^2/NDF: 111.0/64

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10602.685+/-2.129 χ^2/NDF:308265.4/15

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10755.127+/-2.255 χ^2/NDF:253743.7/13

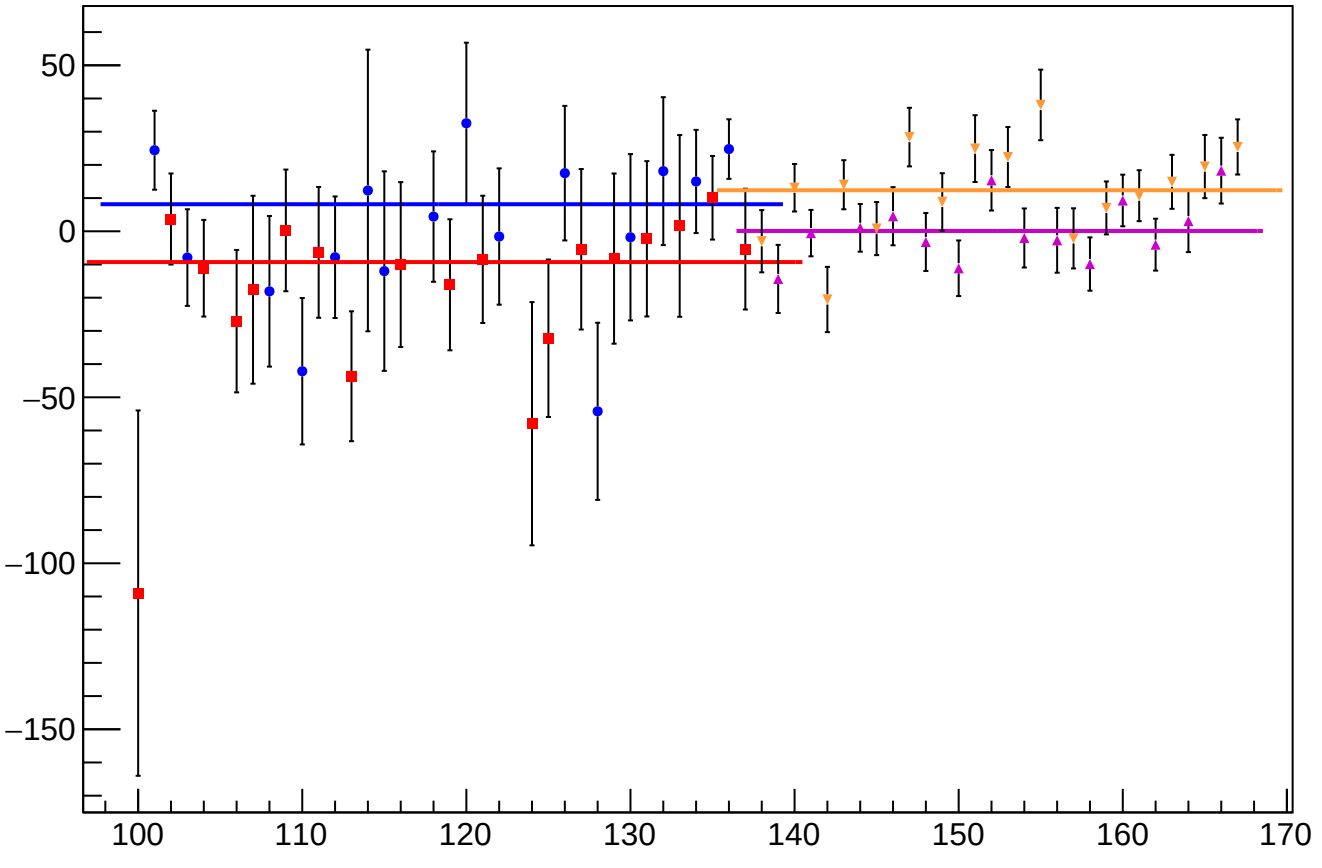
Left: 10674.529+/-1.548 χ^2/NDF: 564424.8/29

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11873.804+/-2.002 χ^2/NDF:2138867.2/29

Out: 11784.403+/-1.926 χ^2/NDF:2535433.4/34

All: 11827.358+/-1.388 χ^2/NDF: 4675336.3/6



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 12.360+/-2.142 χ^2/NDF:34.3/15

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: 0.092+/-2.264 χ^2/NDF:13.8/13

Left: 6.567+/-1.556 χ^2/NDF: 63.6/29

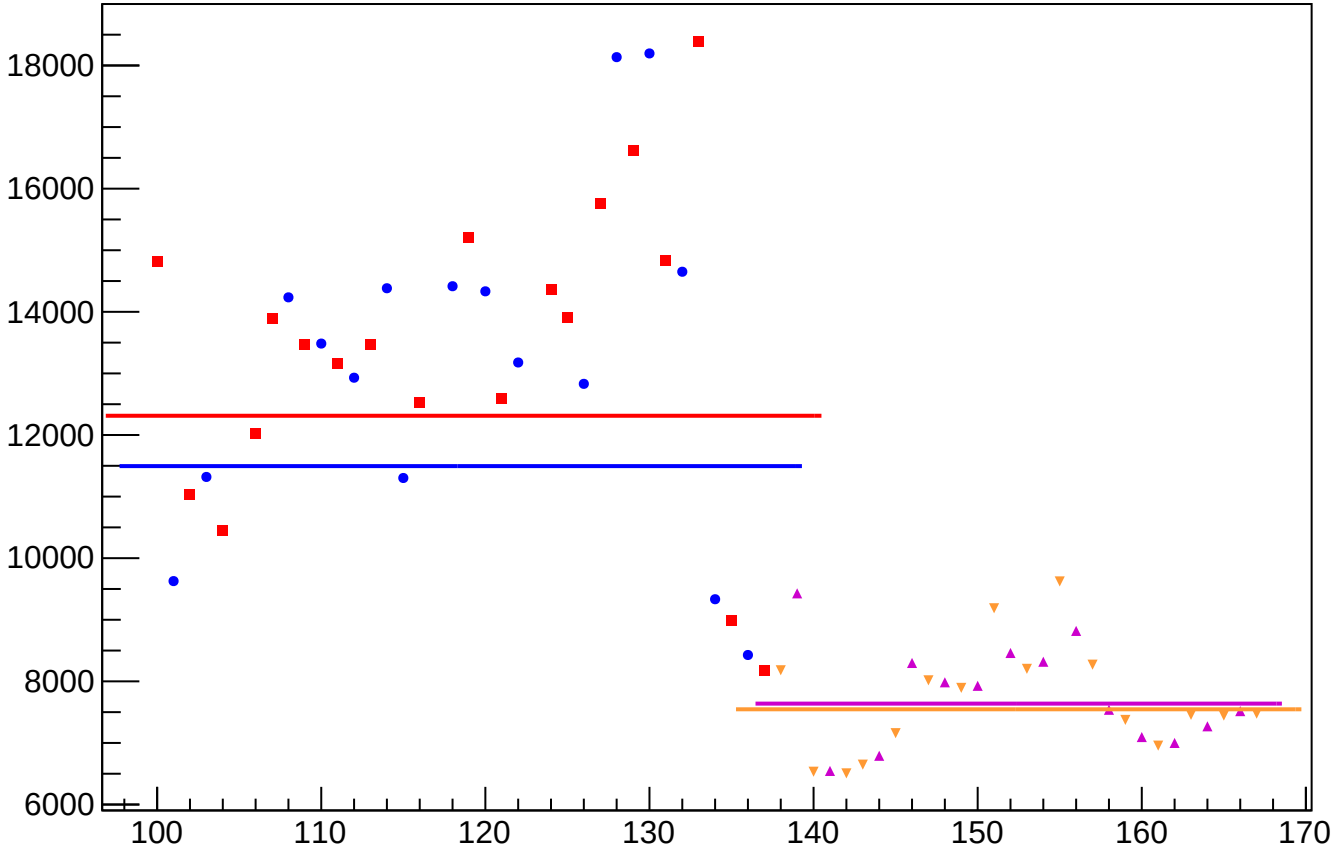
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 1.765+/-2.016 χ^2/NDF:38.3/29

Out: 8.516+/-1.942 χ^2/NDF:66.3/34

All: 5.266+/-1.399 χ^2/NDF: 110.4/64

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7546.272+/-1.515 χ^2/NDF:281125.7/15

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7638.528+/-1.601 χ^2/NDF:238597.9/13

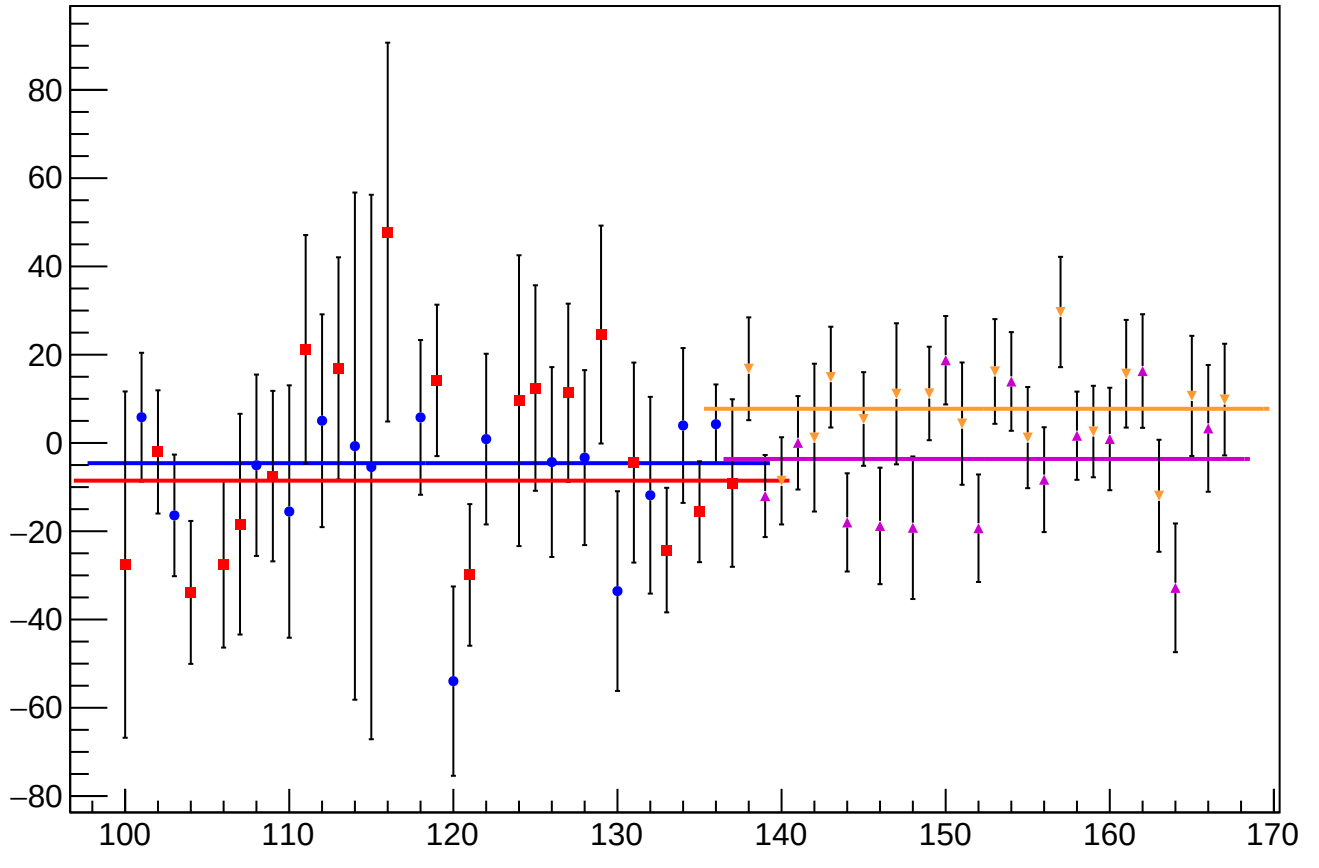
Left: 7589.835+/-1.100 χ^2/NDF: 521475.8/29

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

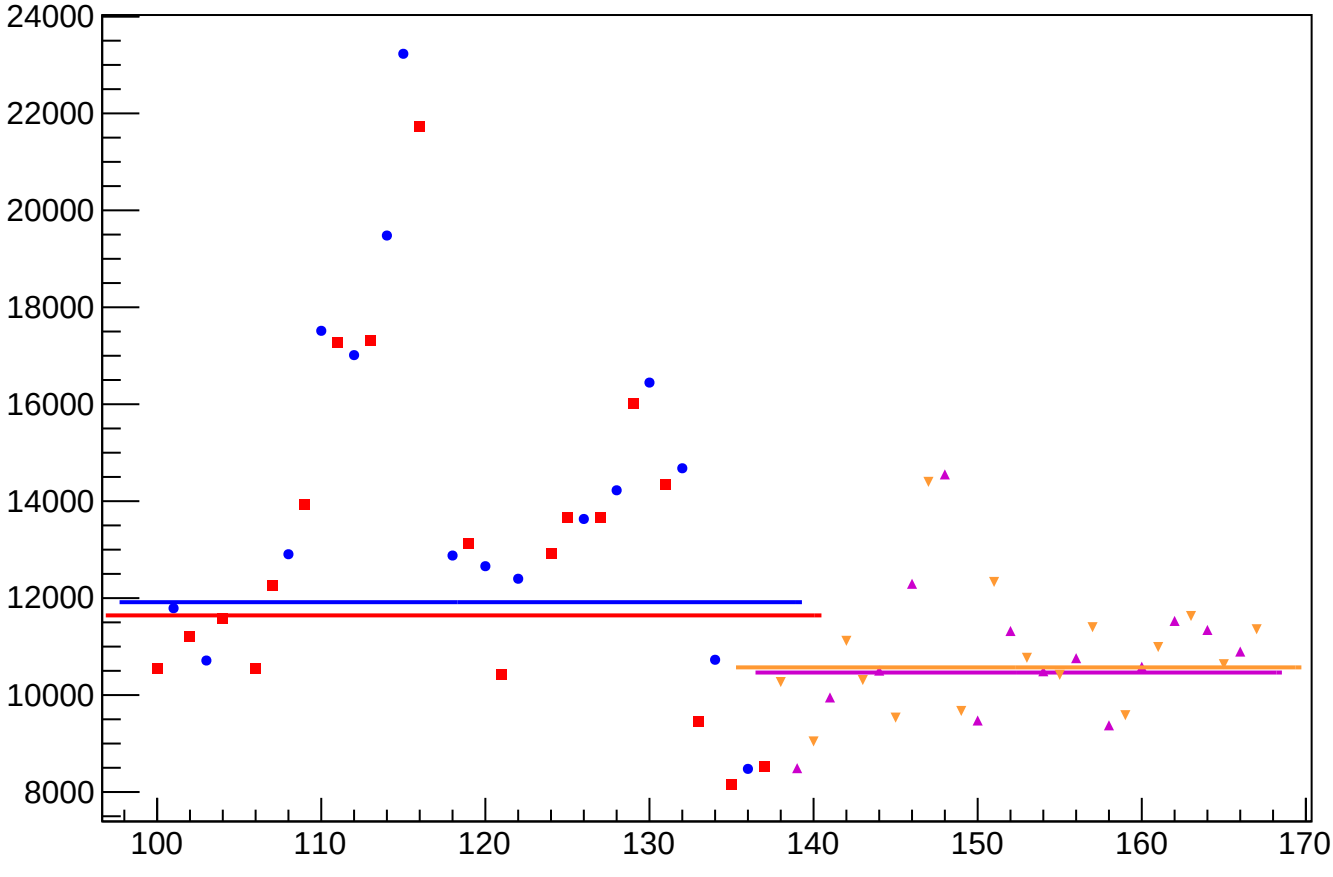
In: 8439.466+/-1.425 χ^2/NDF:2233344.1/29

Out: 8393.319+/-1.373 χ^2/NDF:2639988.5/34

All: 8415.537+/-0.989 χ^2/NDF: 4873876.2/64


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 7.745+/-3.005 χ²/NDF:11.2/15
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -3.624+/-3.117 χ²/NDF:21.2/13
Left: 2.268+/-2.163 χ²/NDF: 39.3/29
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -3.929+/-2.572 χ²/NDF:31.5/29
Out: 2.555+/-2.480 χ²/NDF:37.8/34
All: -0.569+/-1.785 χ²/NDF: 72.5/64

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10571.332+/-2.125 χ^2/NDF:284829.2/15

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10464.960+/-2.204 χ^2/NDF:338748.1/13

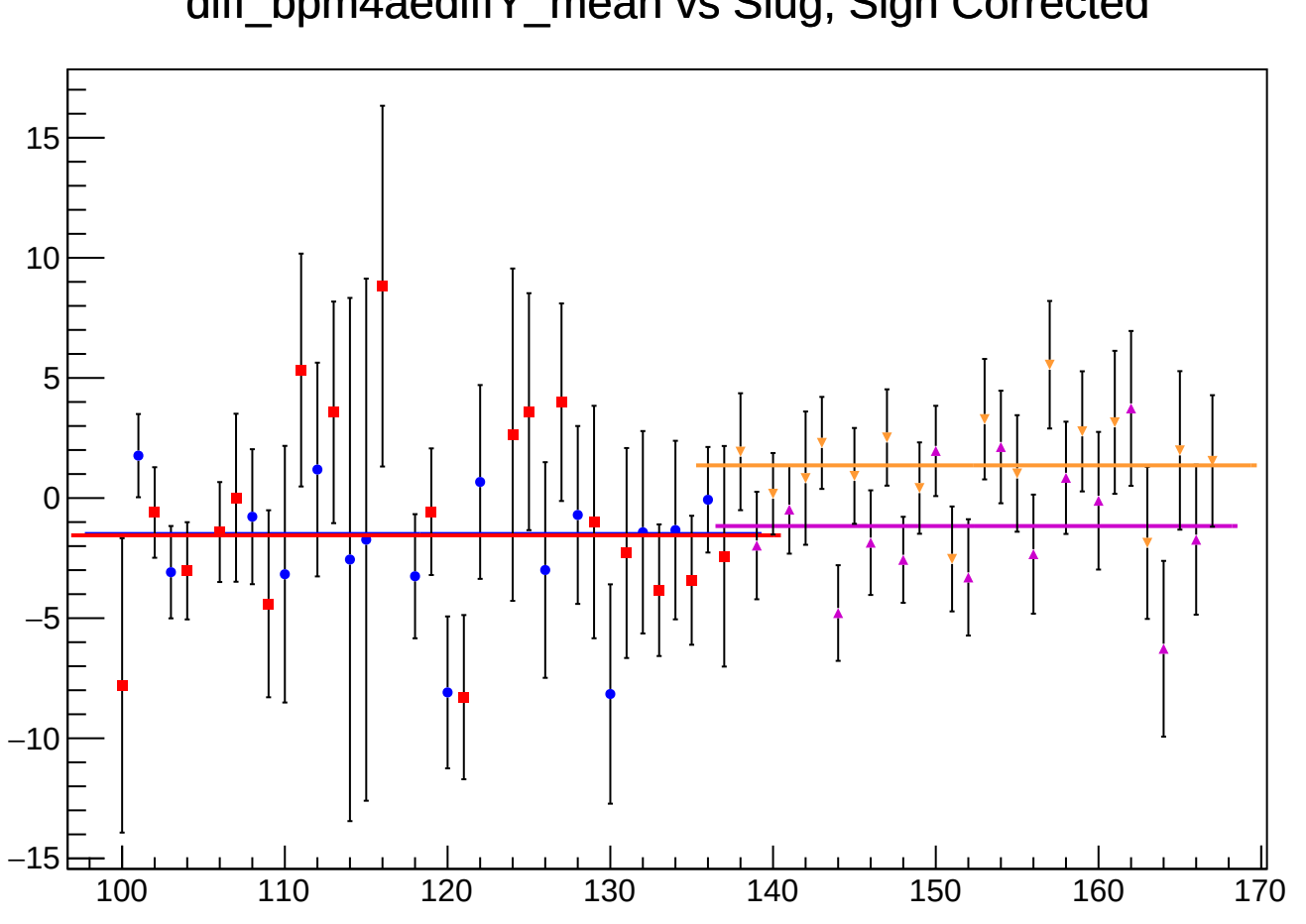
Left: 10520.094+/-1.530 χ^2/NDF: 624784.9/29

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10927.907+/-1.819 χ^2/NDF:1226871.3/29

Out: 10913.137+/-1.754 χ^2/NDF:1156391.7/34

All: 10920.253+/-1.262 χ^2/NDF: 2383297.2/6



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.362+/-0.580 χ^2/NDF:9.5/15

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.165+/-0.614 χ^2/NDF:15.2/13

Left: 0.172+/-0.422 χ^2/NDF: 33.6/29

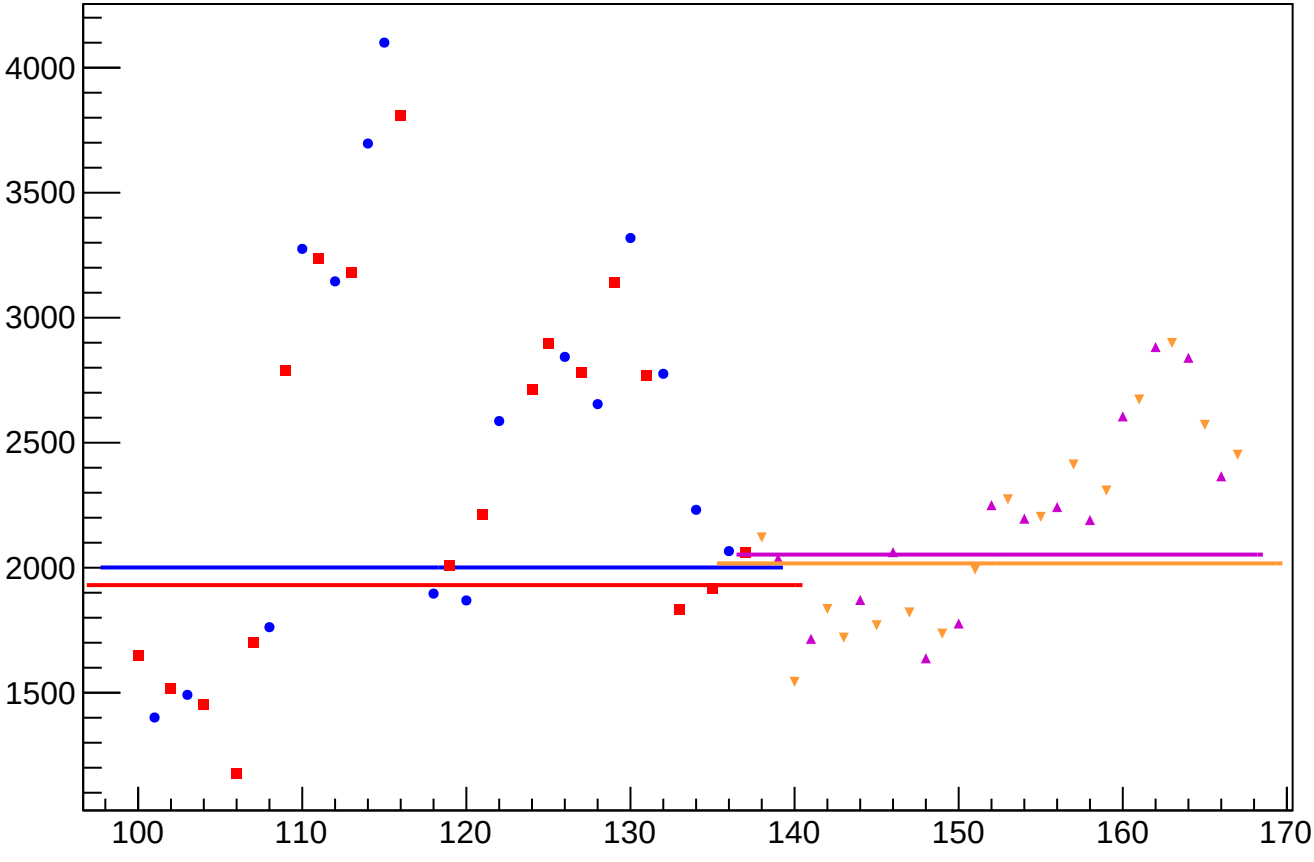
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.292+/-0.482 χ^2/NDF:27.9/29

Out: 0.262+/-0.457 χ^2/NDF:35.3/34

All: -0.474+/-0.332 χ^2/NDF: 68.7/64

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2017.294+/-0.410 χ^2/NDF:773654.0/15

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2052.502+/-0.434 χ^2/NDF:594159.9/13

Left: 2033.882+/-0.298 χ^2/NDF: 1371288.4/29

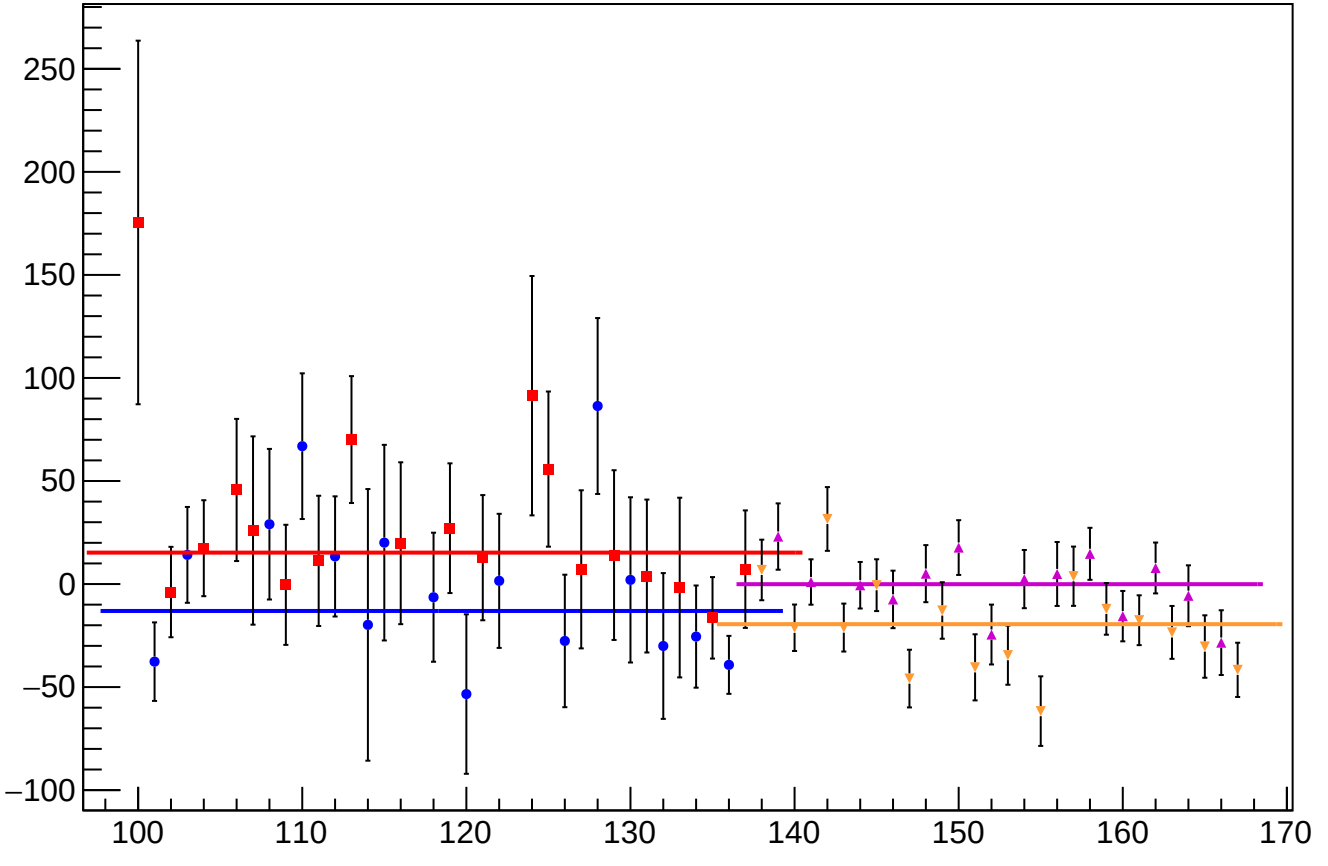
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2032.732+/-0.341 χ^2/NDF:1789340.6/29

Out: 1984.502+/-0.323 χ^2/NDF:2194151.2/34

All: 2007.349+/-0.235 χ^2/NDF: 3994022.9/64

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -19.469+/-3.384 χ^2/NDF:35.7/15

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: -0.066+/-3.579 χ^2/NDF:14.0/13

Left: -10.311+/-2.459 χ^2/NDF: 65.2/29

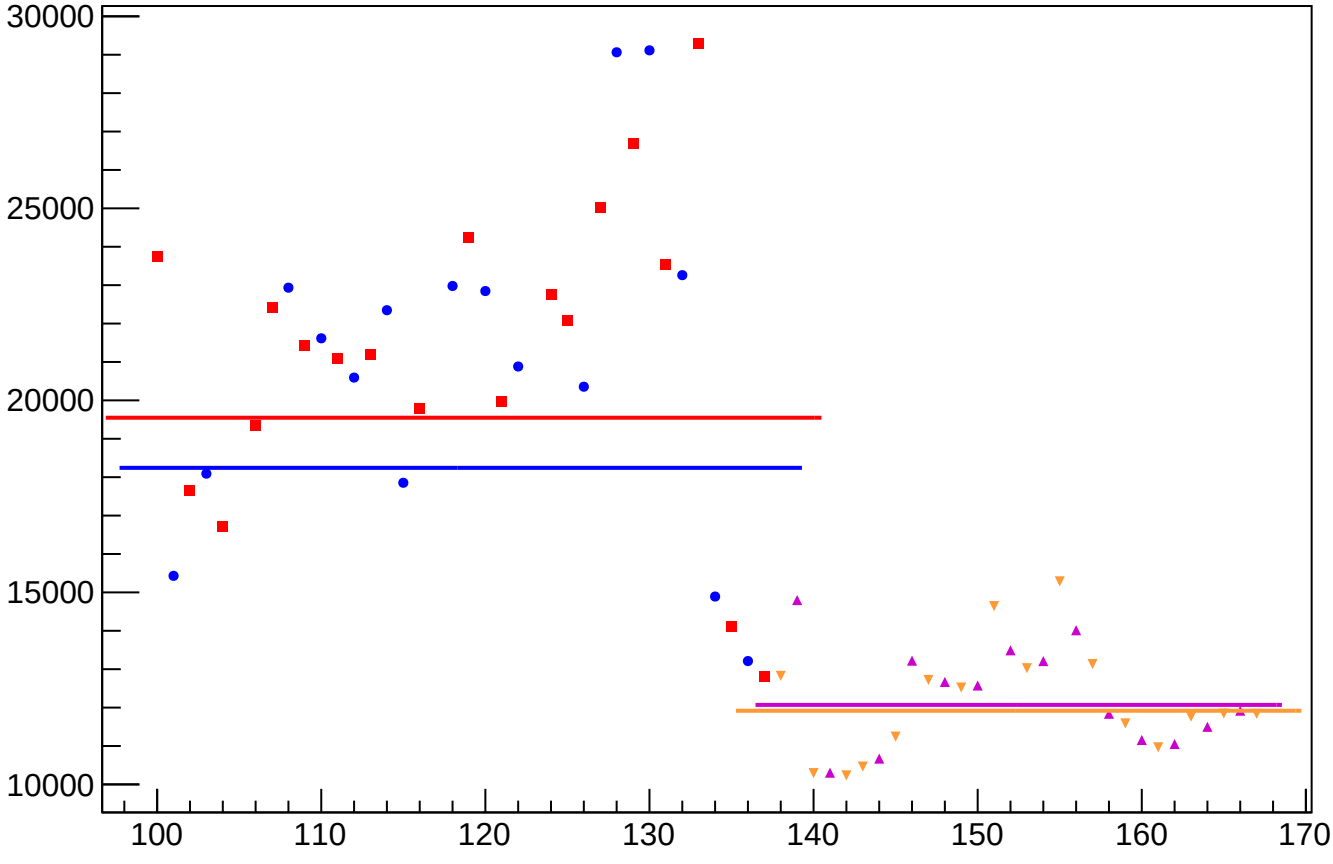
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -2.744+/-3.189 χ^2/NDF:38.6/29

Out: -13.356+/-3.072 χ^2/NDF:68.6/34

All: -8.250+/-2.212 χ^2/NDF: 112.9/64

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11918.040+/-2.393 χ^2/NDF:298003.5/15

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12070.056+/-2.531 χ^2/NDF:252107.1/13

Left: 11989.787+/-1.739 χ^2/NDF: 552015.5/29

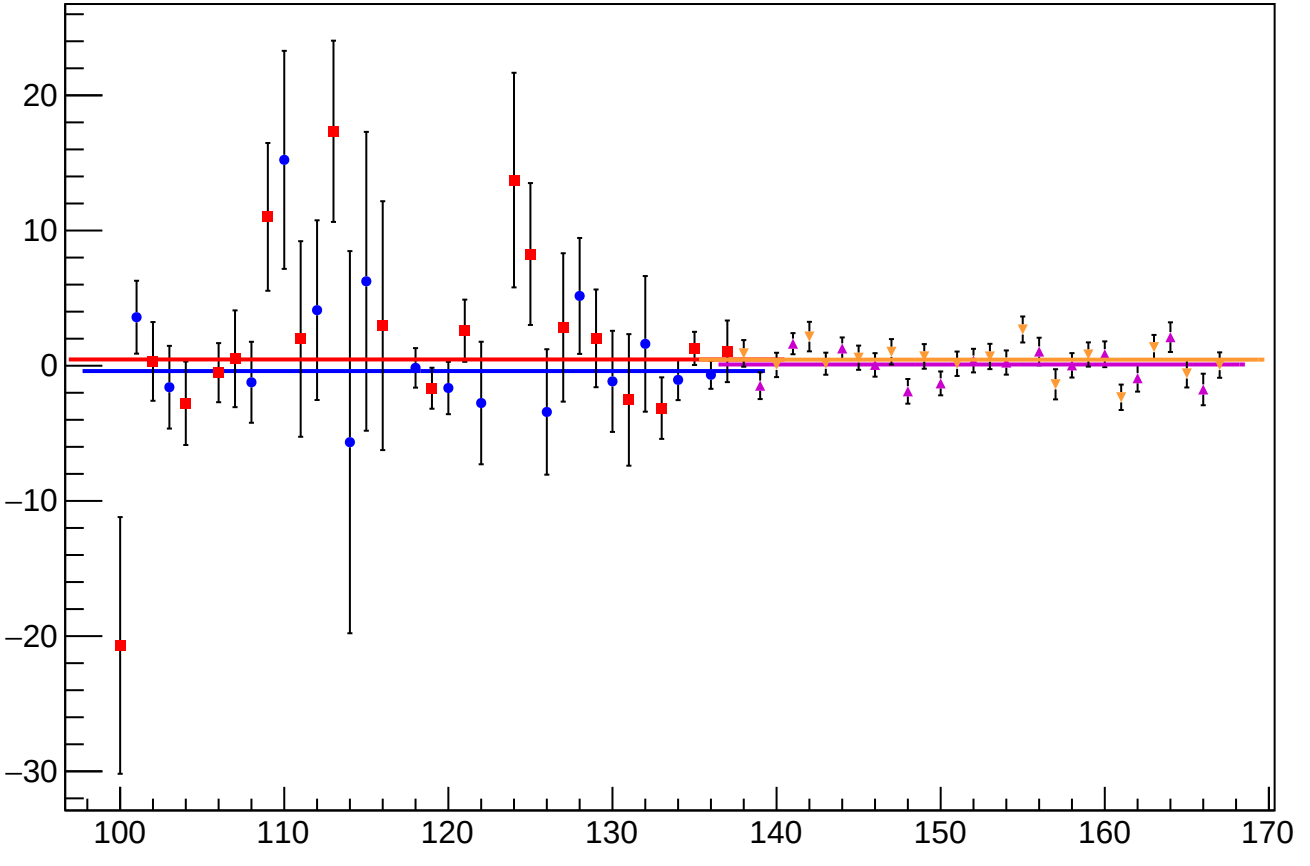
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13341.933+/-2.255 χ^2/NDF:2297690.8/29

Out: 13261.380+/-2.172 χ^2/NDF:2709998.6/34

All: 13300.143+/-1.564 χ^2/NDF: 5008351.2/6

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.449+/-0.235 χ^2/NDF:22.8/15

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.093+/-0.247 χ^2/NDF:24.4/13

Left: 0.280+/-0.170 χ^2/NDF: 48.3/29

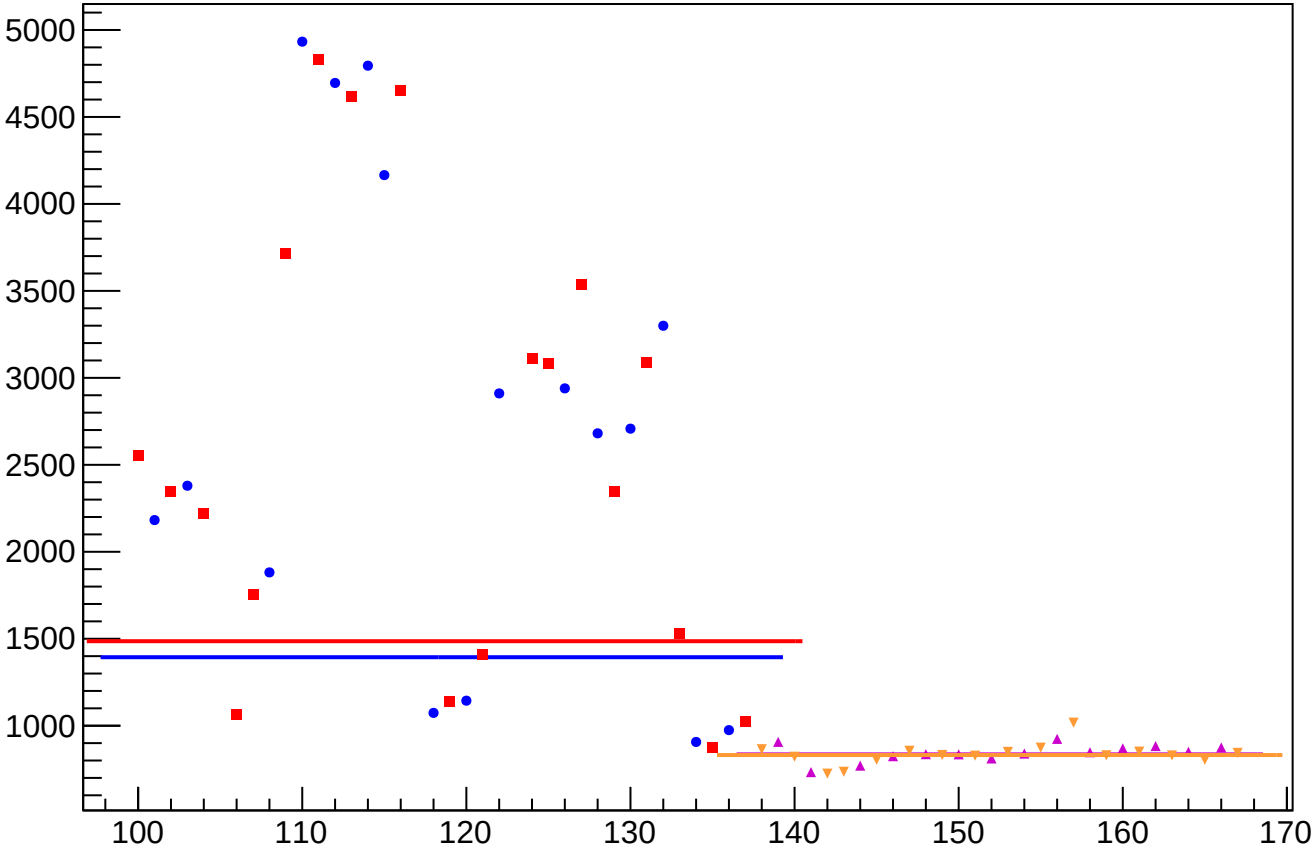
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.022+/-0.228 χ^2/NDF:35.3/29

Out: 0.451+/-0.220 χ^2/NDF:50.9/34

All: 0.244+/-0.159 χ^2/NDF: 88.0/64

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 831.485+/-0.166 χ^2/NDF:115635.0/15

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 835.355+/-0.175 χ^2/NDF:84736.6/13

Left: 833.325+/-0.120 χ^2/NDF: 200629.3/29

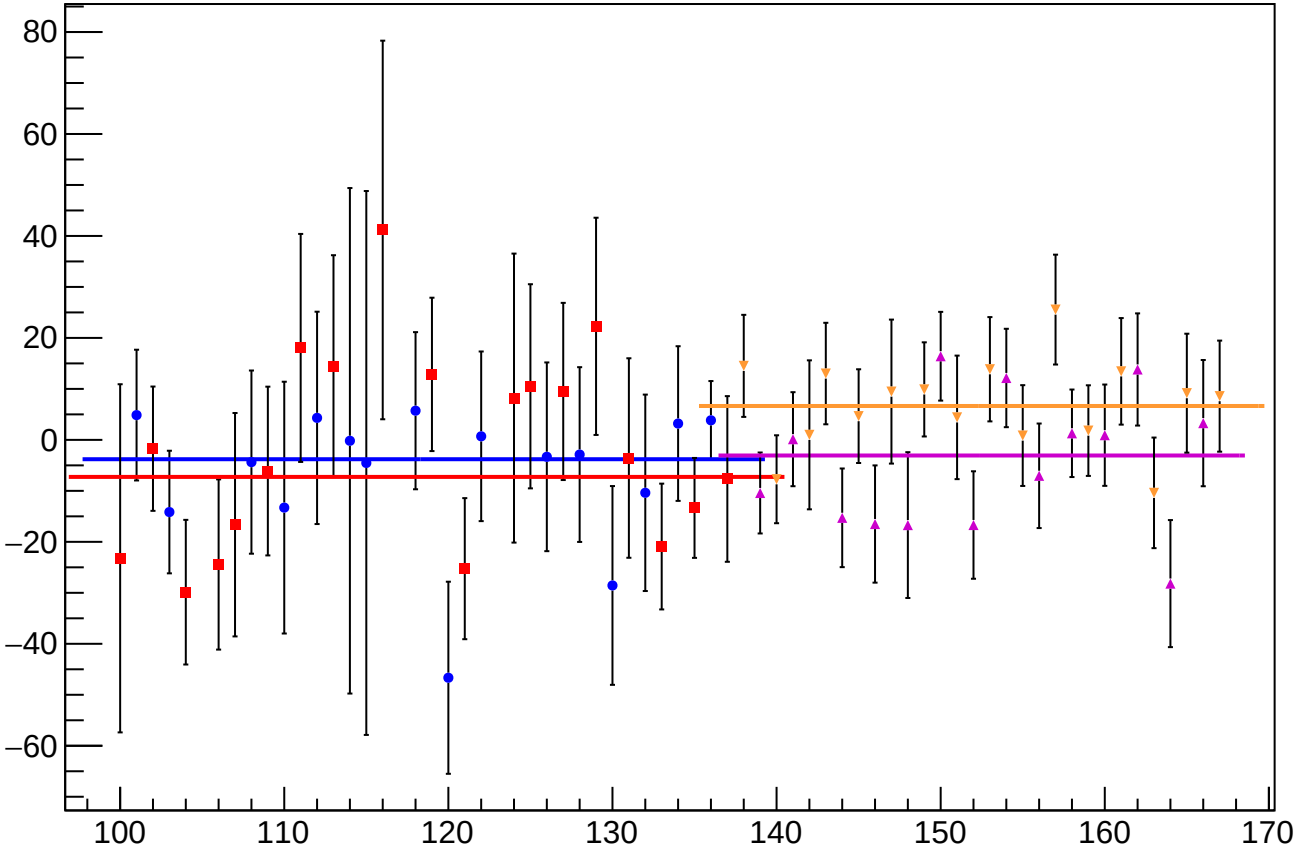
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 916.199+/-0.161 χ^2/NDF:4947475.7/29

Out: 910.603+/-0.156 χ^2/NDF:5388879.0/34

All: 913.302+/-0.112 χ^2/NDF: 10336976.7/64

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.647+/-2.599 χ^2/NDF:11.4/15

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -3.064+/-2.690 χ^2/NDF:21.3/13

Left: 1.960+/-1.869 χ^2/NDF: 39.4/29

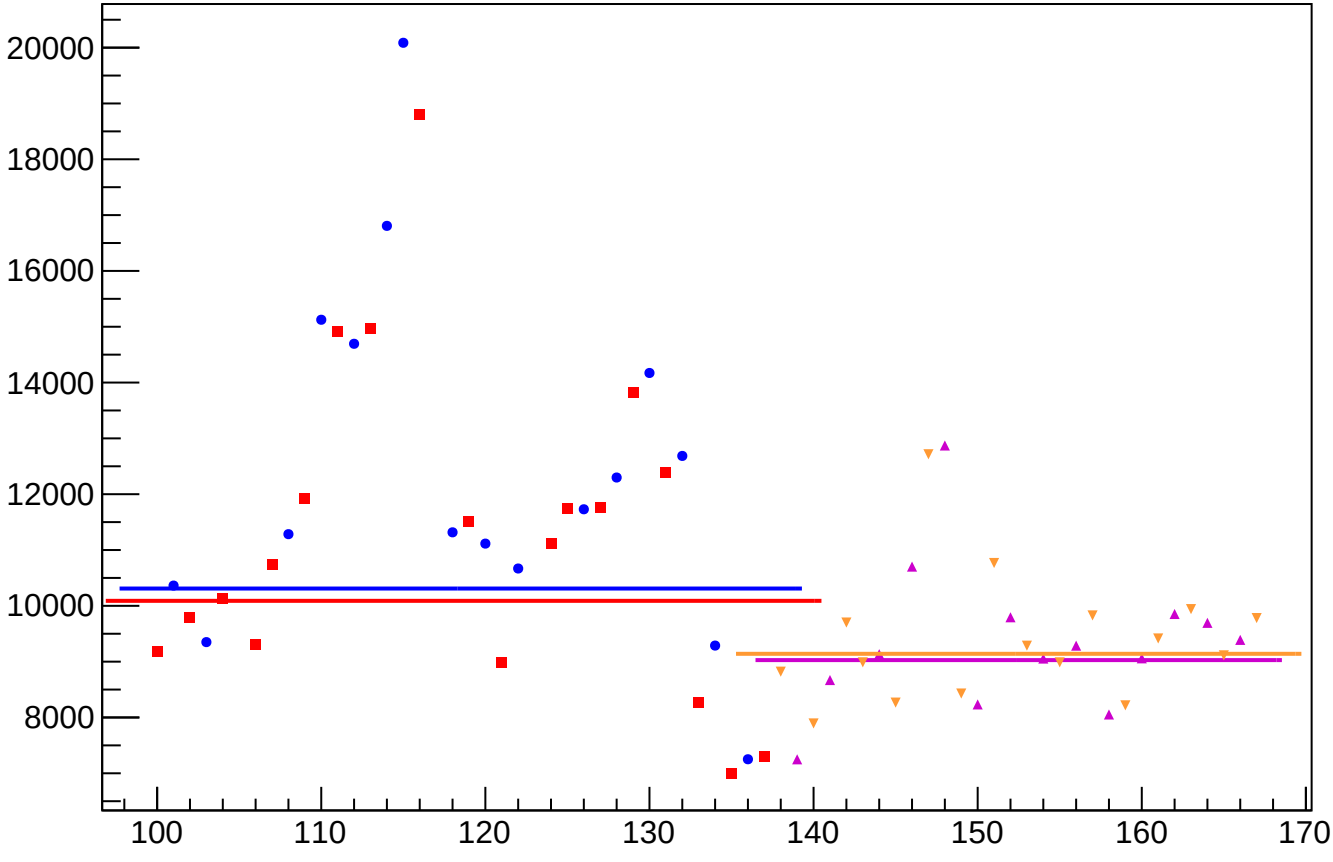
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -3.296+/-2.222 χ^2/NDF:31.4/29

Out: 2.226+/-2.146 χ^2/NDF:37.7/34

All: -0.439+/-1.544 χ^2/NDF: 72.3/64

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9140.607+/-1.837 χ^2/NDF:291301.2/15

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9027.770+/-1.902 χ^2/NDF:363542.0/13

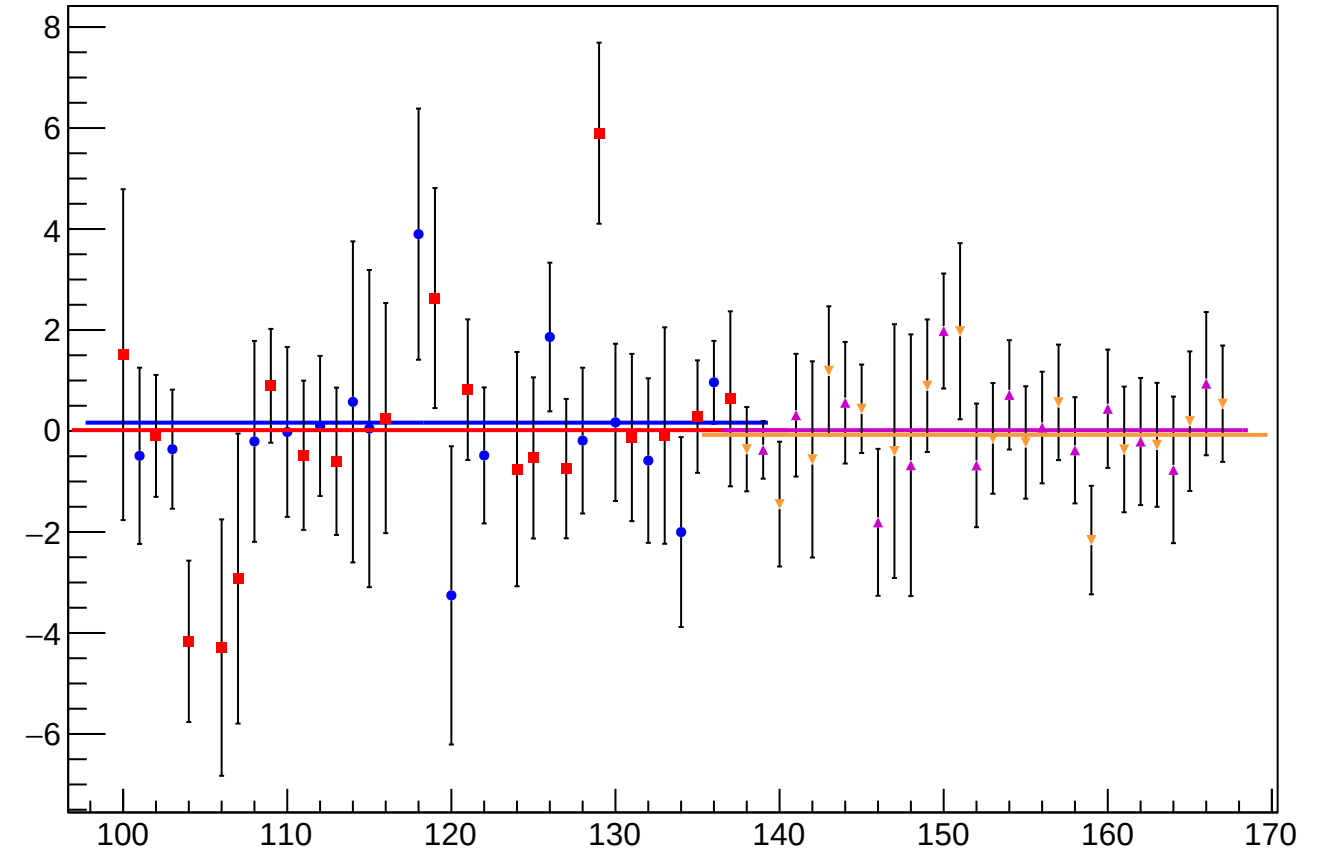
Left: 9086.150+/-1.322 χ^2/NDF: 656663.2/29

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9435.092+/-1.571 χ^2/NDF:1278357.4/29

Out: 9442.218+/-1.518 χ^2/NDF:1168866.9/34

All: 9438.780+/-1.092 χ^2/NDF: 2447235.0/64



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.076+/-0.299 χ^2/NDF:9.2/15

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.016+/-0.296 χ^2/NDF:7.1/13

Left: -0.030+/-0.210 χ^2/NDF: 16.4/29

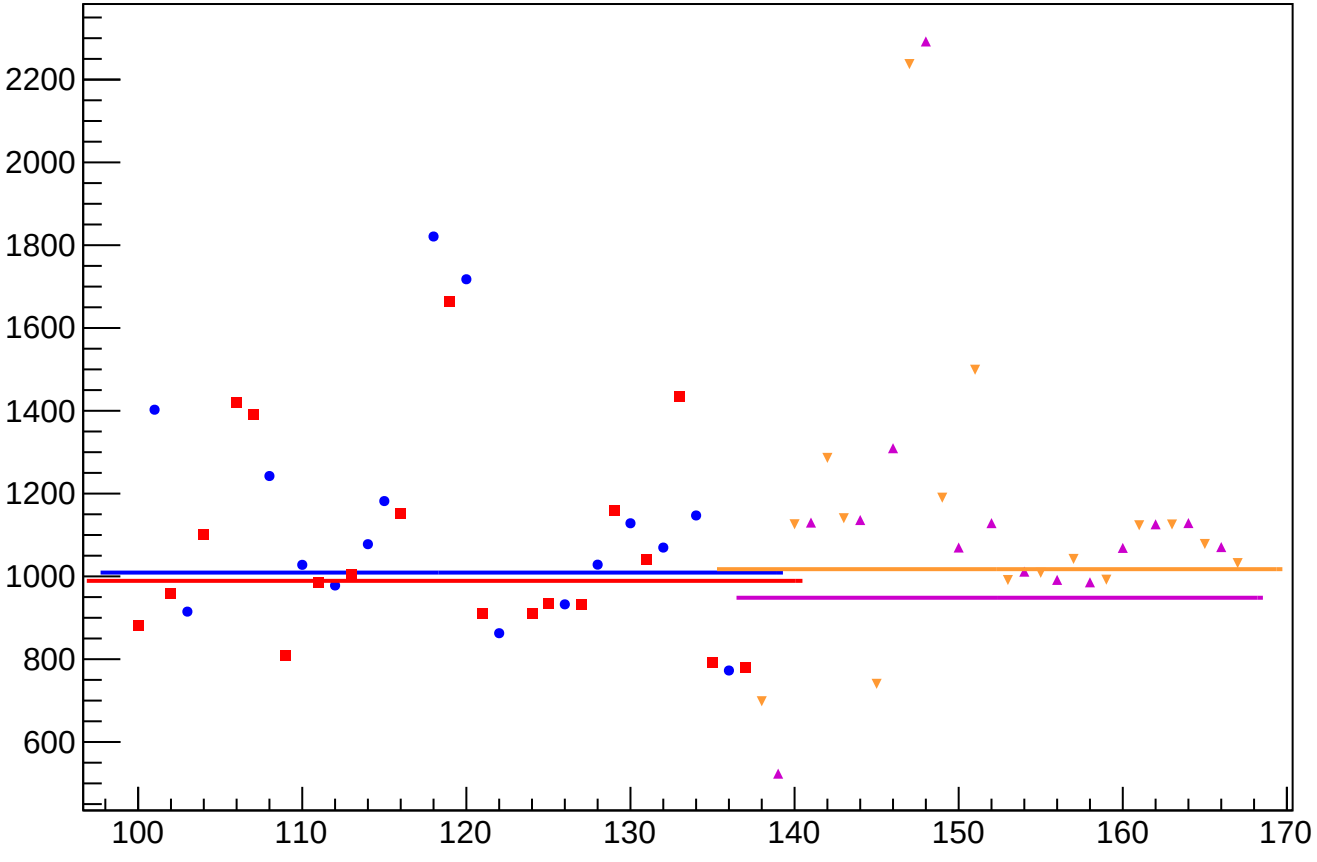
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.071+/-0.235 χ^2/NDF:15.3/29

Out: -0.040+/-0.233 χ^2/NDF:34.4/34

All: 0.015+/-0.165 χ^2/NDF: 49.8/64

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1017.457+/-0.211 χ^2/NDF:1261023.5/15

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 948.417+/-0.209 χ^2/NDF:2049299.2/13

Left: 982.616+/-0.149 χ^2/NDF: 3364193.3/29

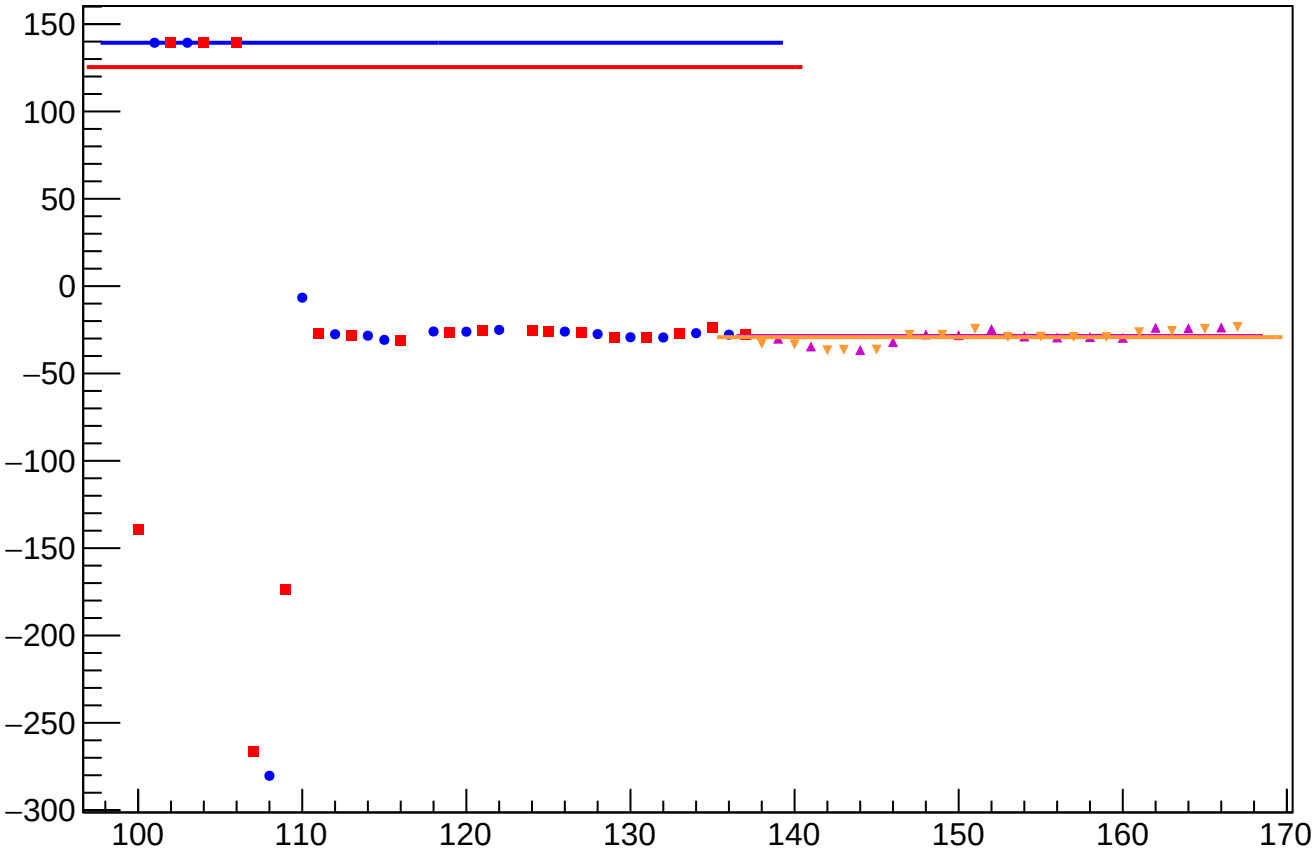
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 970.917+/-0.166 χ^2/NDF:2779817.2/29

Out: 1006.400+/-0.165 χ^2/NDF:1843769.1/34

All: 988.808+/-0.117 χ^2/NDF: 4646577.8/64

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -29.203+/-0.000 χ^2/NDF:132005012.4/15

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -28.529+/-0.000 χ^2/NDF:95526221.2/13

Left: -28.889+/-0.000 χ^2/NDF: 228931534.0/29

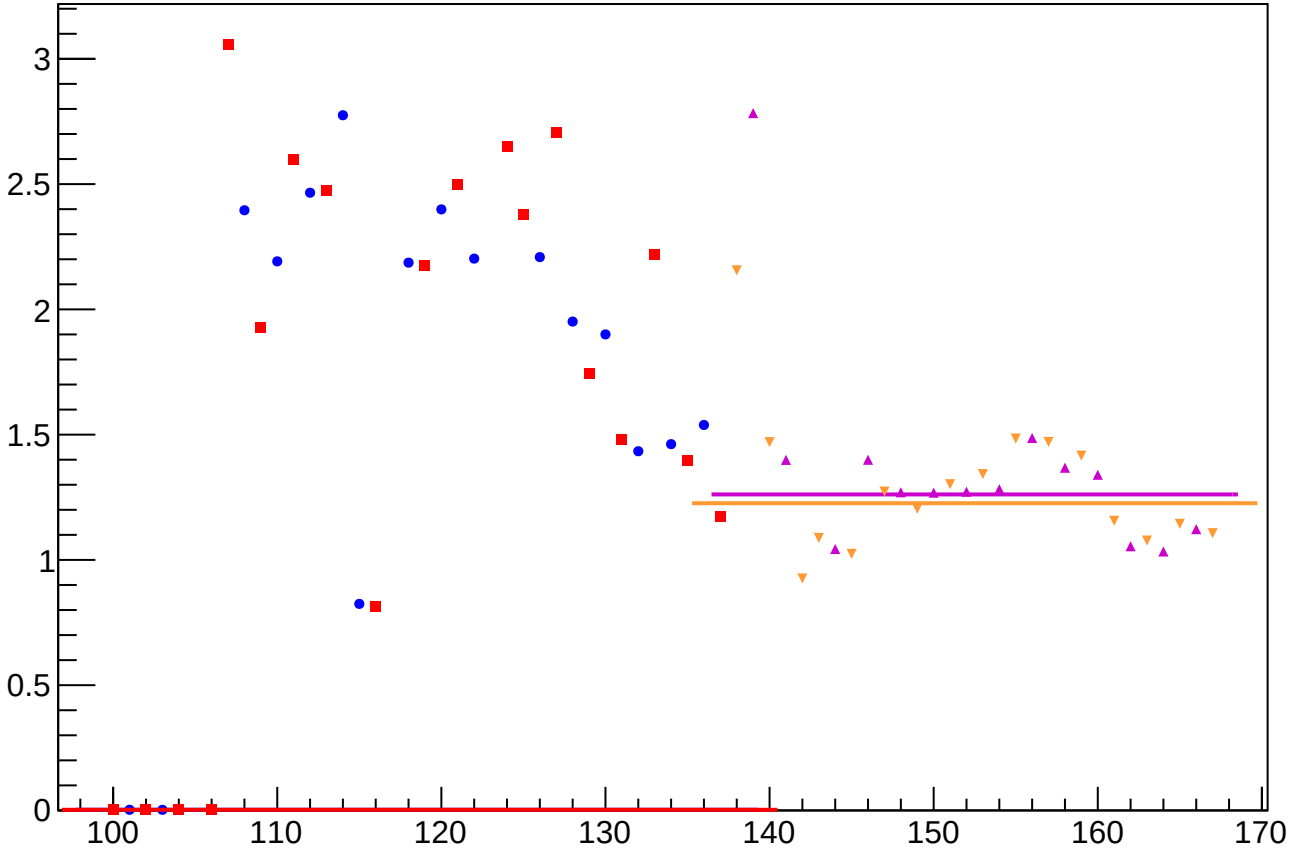
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.331+/-0.000 χ^2/NDF:209401444936.9/29

Out: 125.387+/-0.000 χ^2/NDF:774331522612853.

All: 131.813+/-0.000 χ^2/NDF: 79332494183

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.226+/-0.000 χ^2/NDF:580704.3/15

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.261+/-0.000 χ^2/NDF:737579.9/13

Left: 1.243+/-0.000 χ^2/NDF: 1325871.4/29

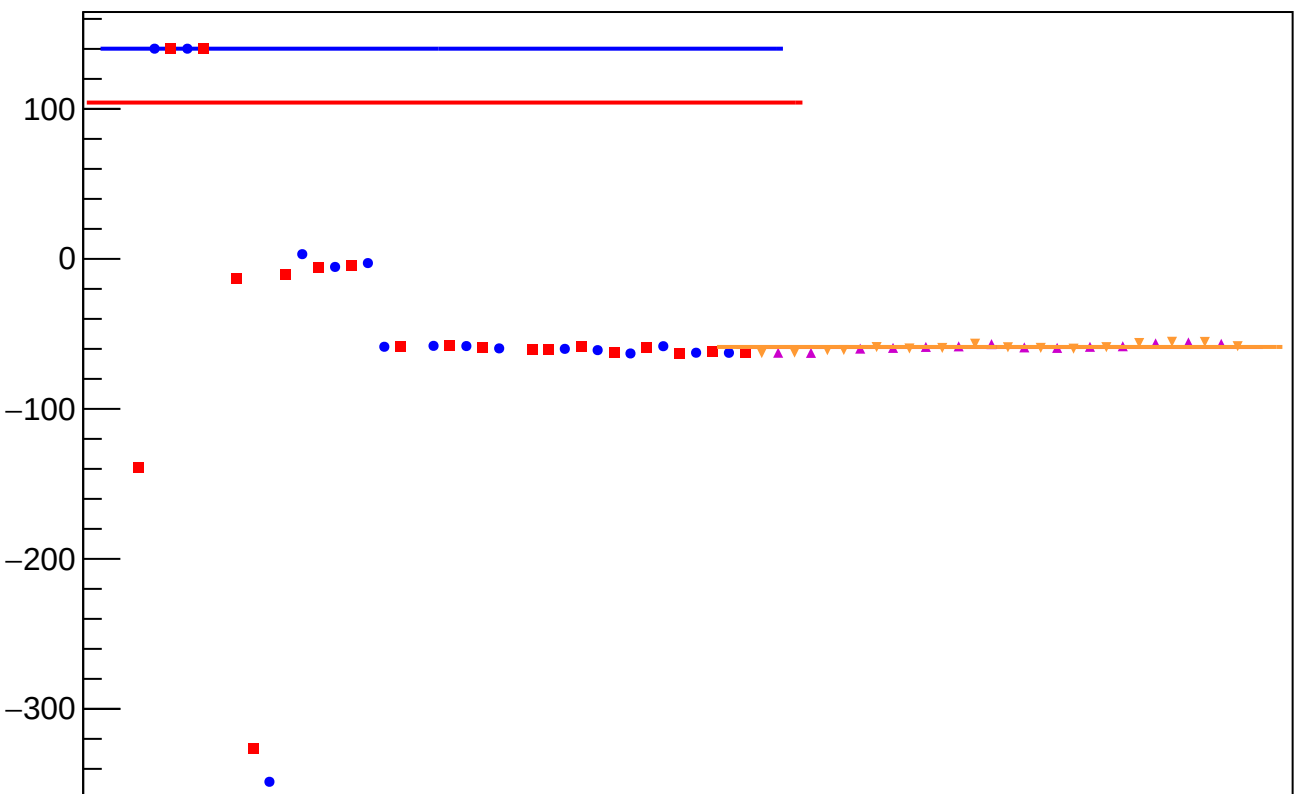
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:28545558.5/29

Out: 0.003+/-0.000 χ^2/NDF:30146865.6/34

All: 0.003+/-0.000 χ^2/NDF: 58692629.5/64

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -58.713+/-0.000 χ^2/NDF:122643206.1/15

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -58.760+/-0.000 χ^2/NDF:96730079.9/13

Left: -58.735+/-0.000 χ^2/NDF: 219393052.6/29

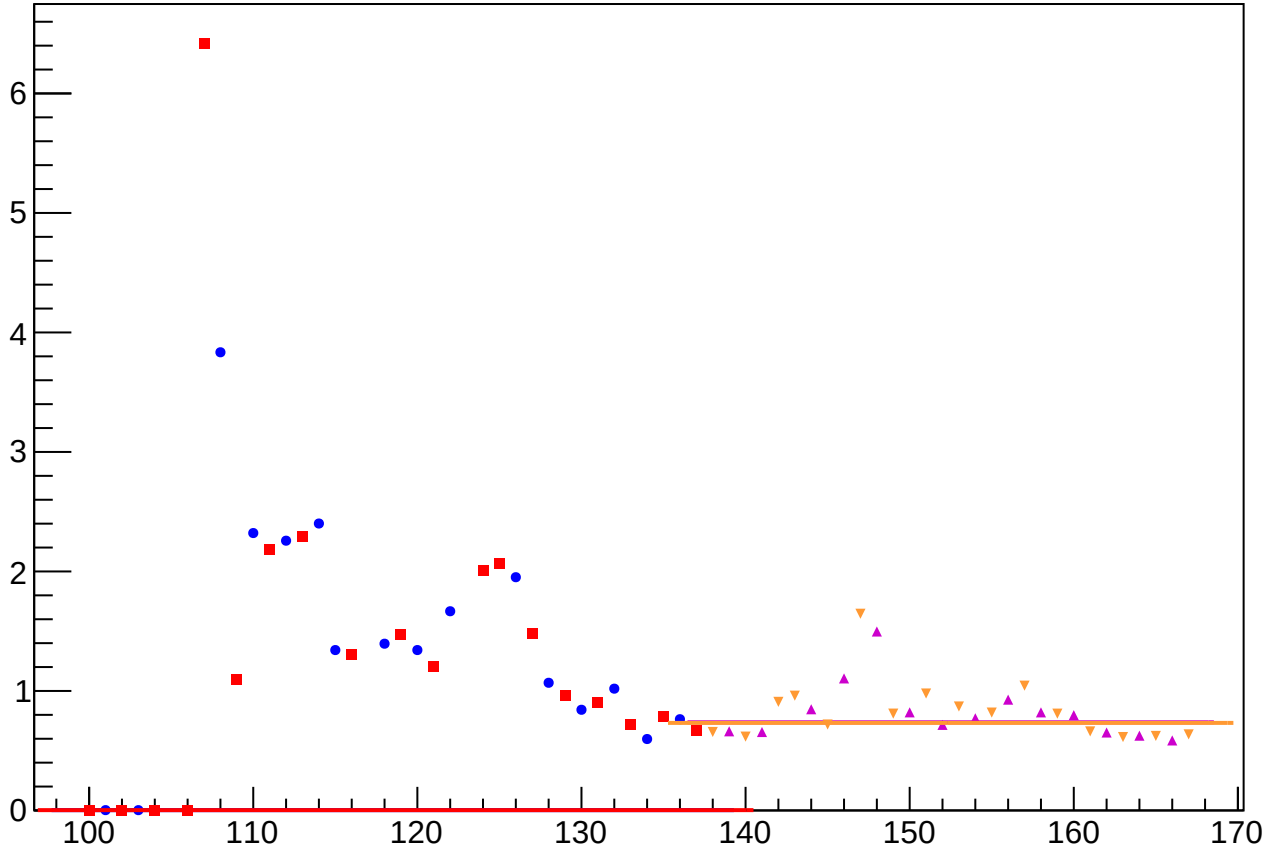
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.125+/-0.000 χ^2/NDF:840139466048.1/29

Out: 104.210+/-0.000 χ^2/NDF:1257888101356533

All: 120.815+/-0.000 χ^2/NDF: 13820181737

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.733+/-0.000 χ^2/NDF:1010801.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.738+/-0.000 χ^2/NDF:796306.0/13

Left: 0.735+/-0.000 χ^2/NDF: 1807560.7/29

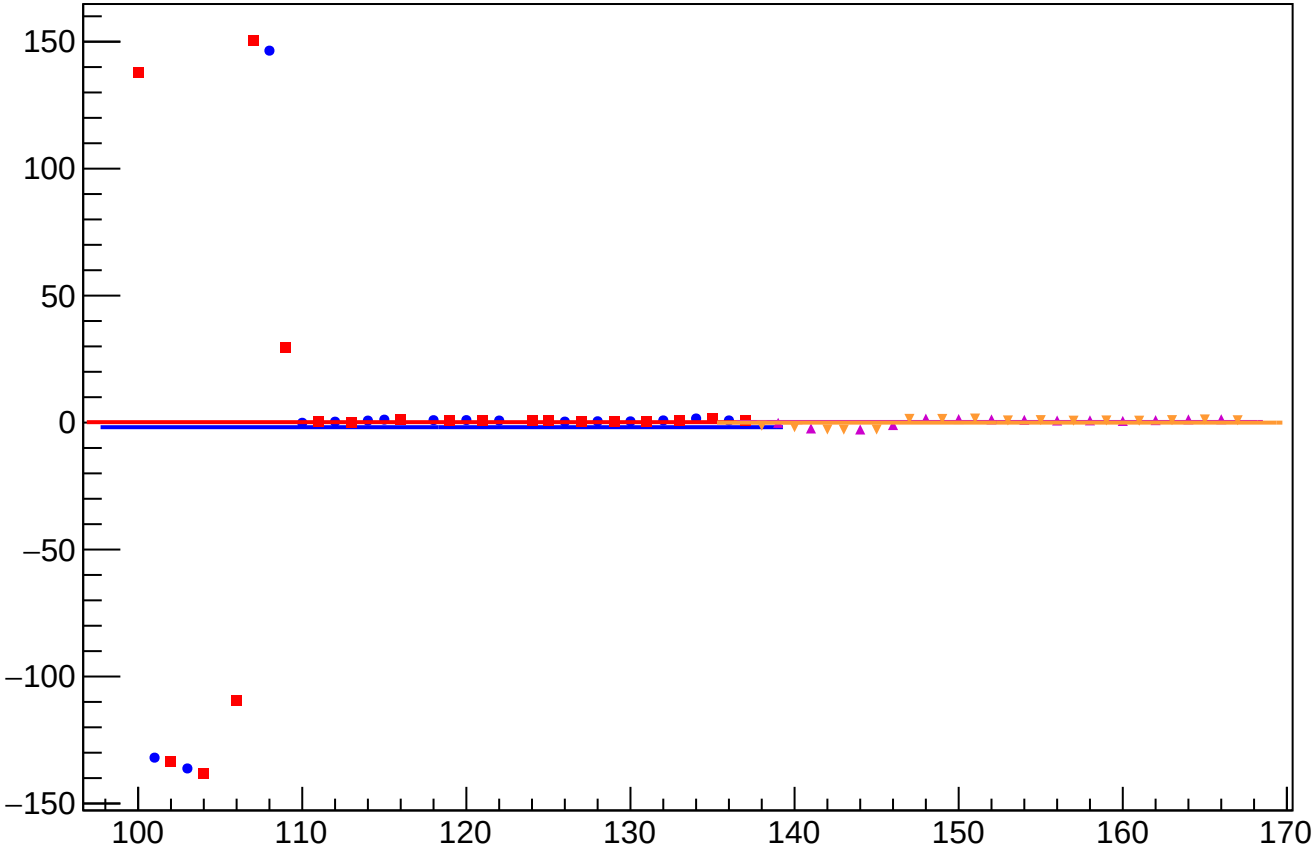
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:29203397.0/29

Out: 0.003+/-0.000 χ^2/NDF:30795287.0/34

All: 0.003+/-0.000 χ^2/NDF: 59998937.8/64

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.015+/-0.000 χ^2/NDF:97222929.7/15

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.243+/-0.000 χ^2/NDF:68230491.6/13

Left: 0.104+/-0.000 χ^2/NDF: 166574820.2/29

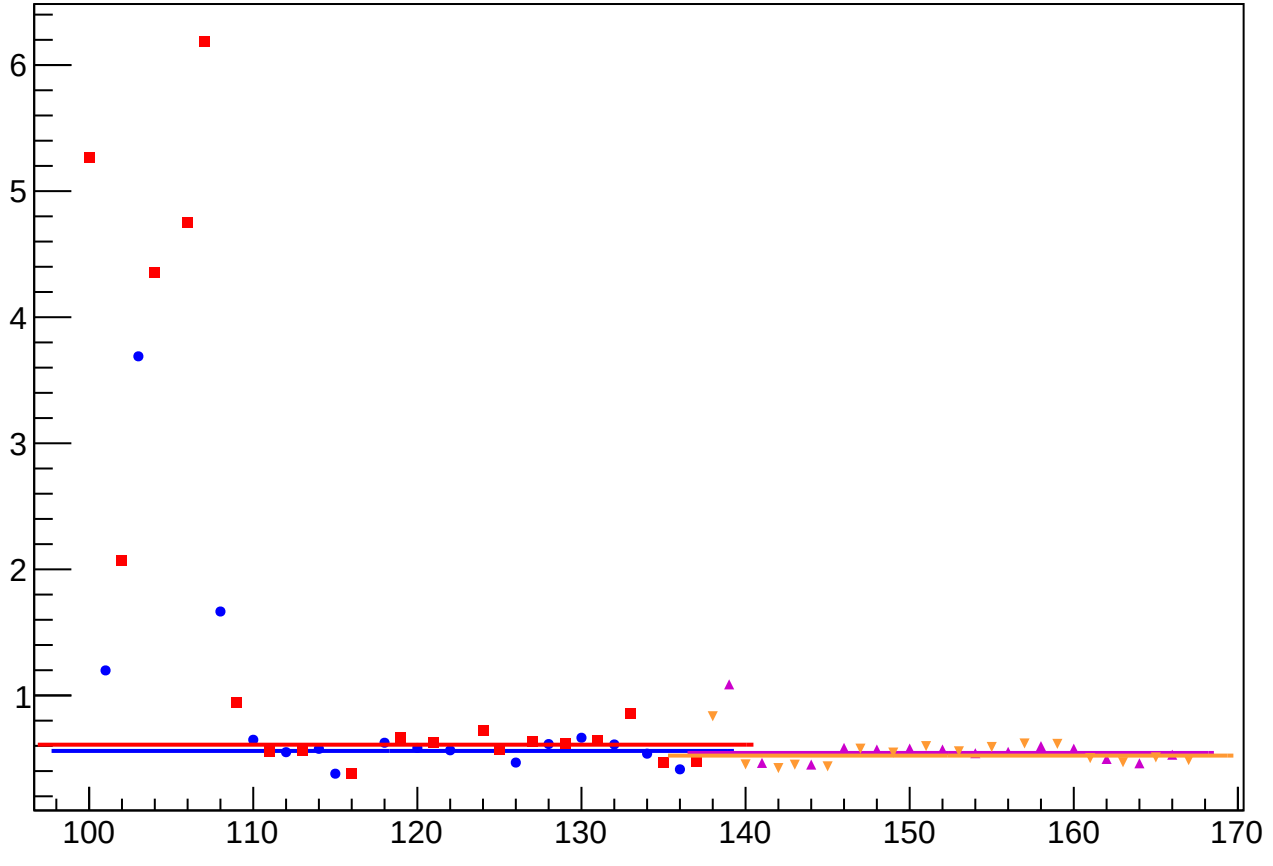
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.461+/-0.000 χ^2/NDF:10000508798.3/29

Out: 0.033+/-0.000 χ^2/NDF:3708785528.8/34

All: -0.208+/-0.000 χ^2/NDF: 13715213266.7/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.523+/-0.000 χ^2/NDF:474185.2/15

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.544+/-0.000 χ^2/NDF:591138.4/13

Left: 0.533+/-0.000 χ^2/NDF: 1080097.5/29

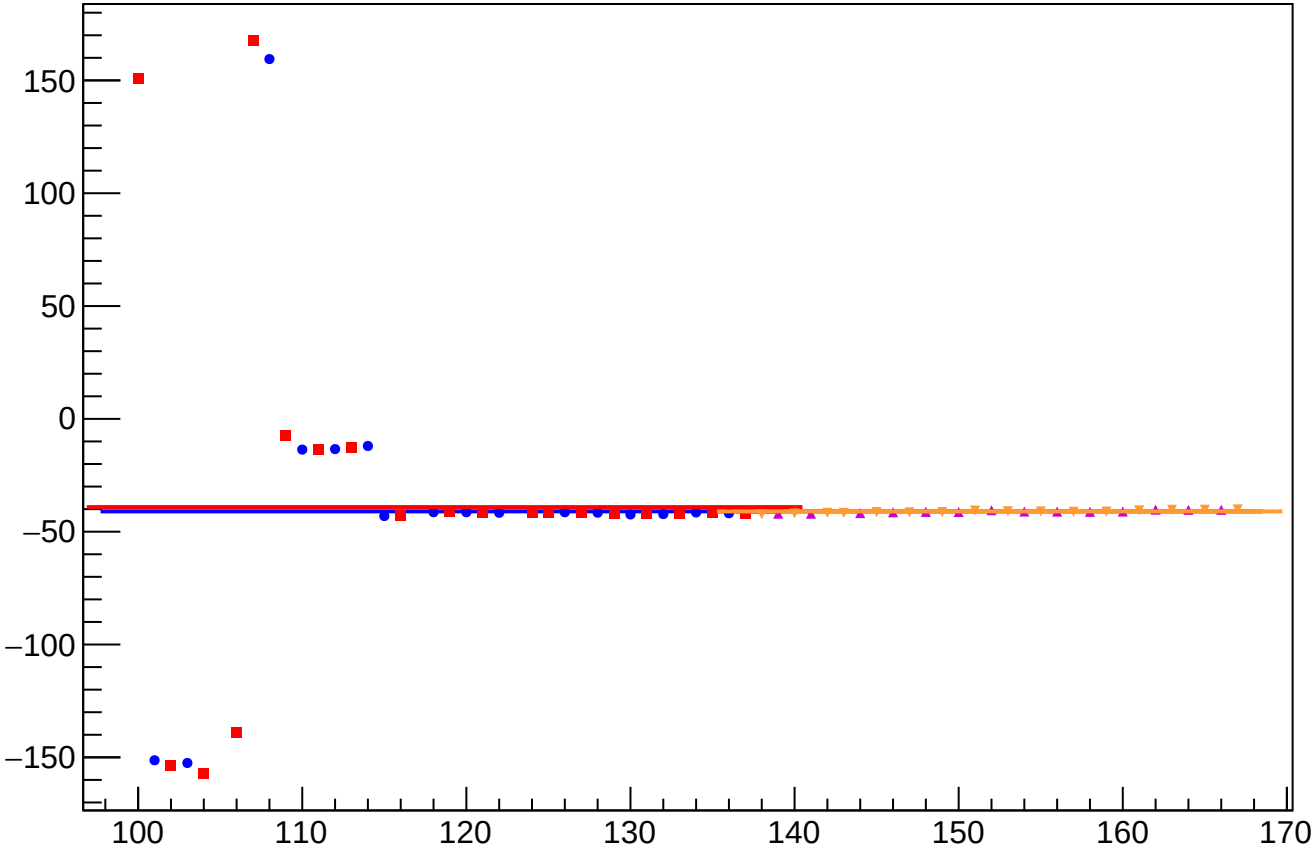
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.549+/-0.000 χ^2/NDF:2195009.3/29

Out: 0.546+/-0.000 χ^2/NDF:3096656.6/34

All: 0.548+/-0.000 χ^2/NDF: 5292162.2/64

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.013+/-0.000 χ^2/NDF:30326644.6/15

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.026+/-0.000 χ^2/NDF:27141760.4/13

Left: -41.019+/-0.000 χ^2/NDF: 57477475.9/29

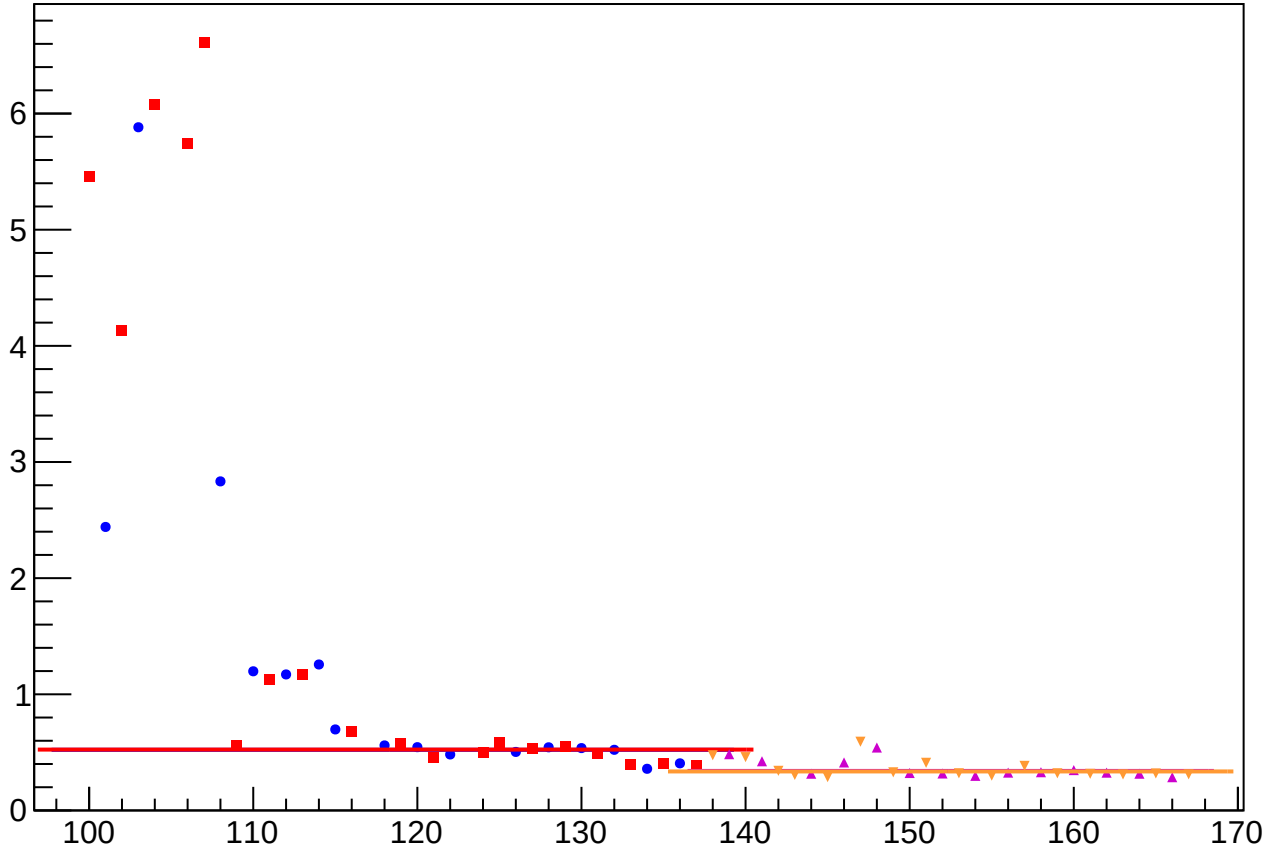
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.020+/-0.000 χ^2/NDF:3476787532.3/29

Out: -40.730+/-0.000 χ^2/NDF:2566229627.1/34

All: -40.868+/-0.000 χ^2/NDF: 6047859175.7/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.336+/-0.000 χ^2/NDF:720618.1/15

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.340+/-0.000 χ^2/NDF:573697.1/13

Left: 0.338+/-0.000 χ^2/NDF: 1296172.5/29

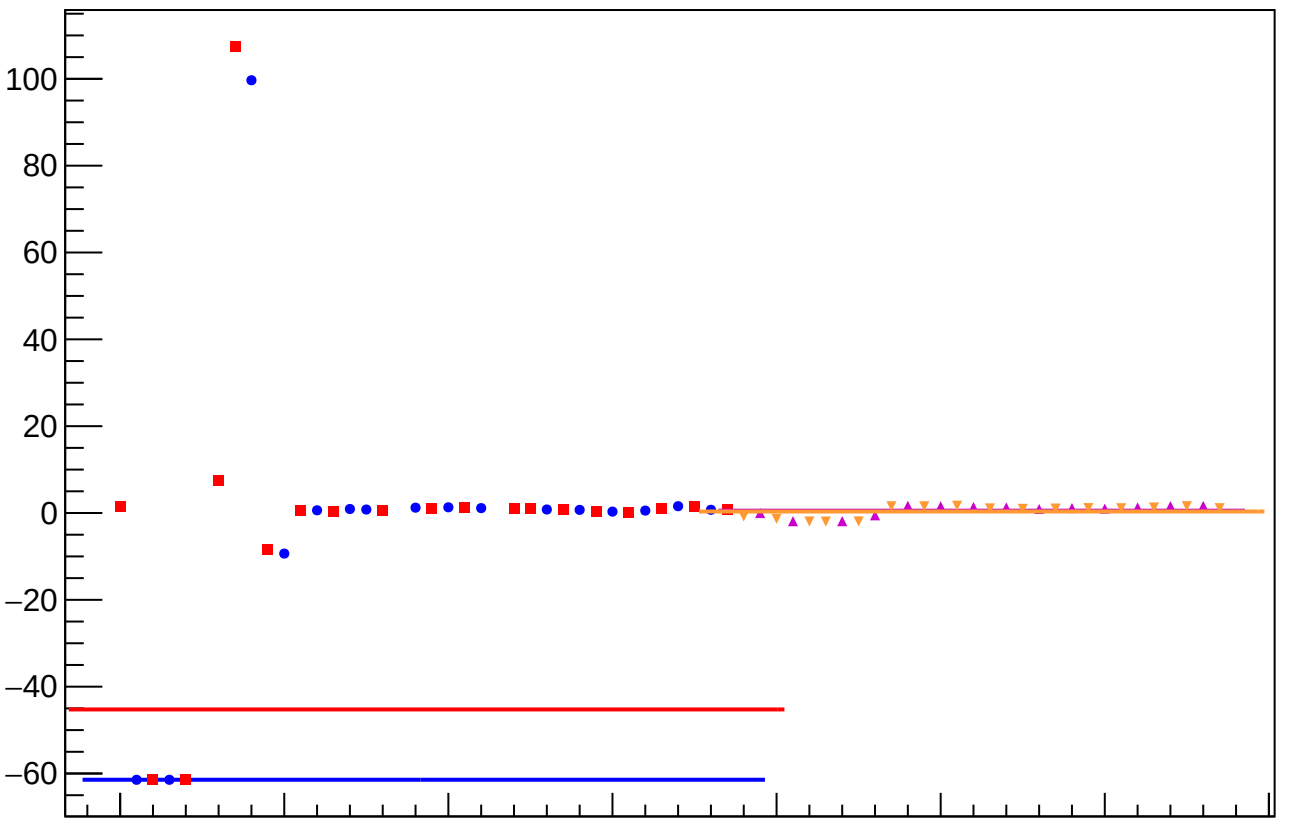
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.371+/-0.000 χ^2/NDF:4538265.6/29

Out: 0.364+/-0.000 χ^2/NDF:5064448.6/34

All: 0.367+/-0.000 χ^2/NDF: 9608288.6/64

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.348+/-0.000 χ^2/NDF:100142067.0/15

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.539+/-0.000 χ^2/NDF:75857416.9/13

Left: 0.436+/-0.000 χ^2/NDF: 176854738.1/29

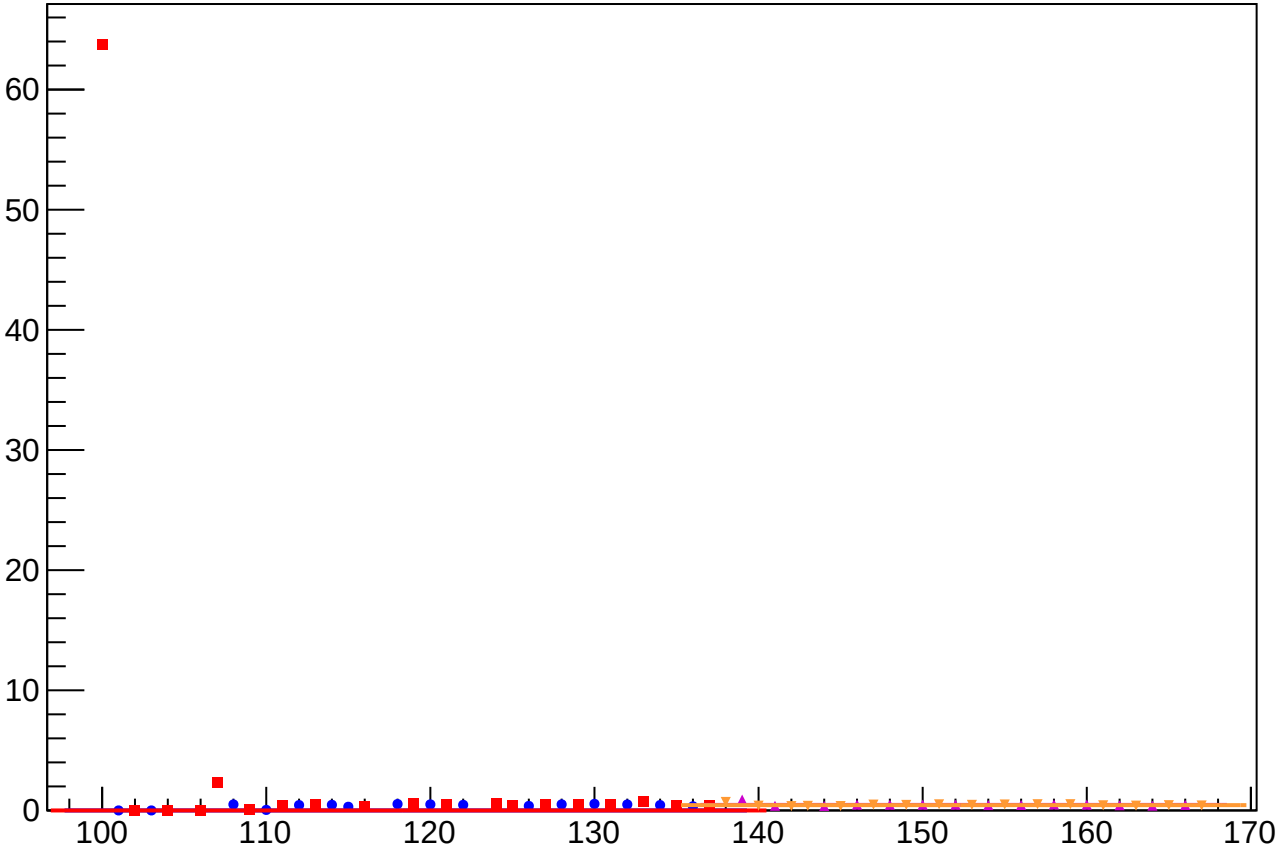
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.429+/-0.000 χ^2/NDF:440054752029.7/29

Out: -45.240+/-0.000 χ^2/NDF:357976253387177.2

All: -52.743+/-0.000 χ^2/NDF: 409388703267

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.443+/-0.000 χ^2/NDF:460891.9/15

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.461+/-0.000 χ^2/NDF:564791.4/13

Left: 0.451+/-0.000 χ^2/NDF: 1040978.3/29

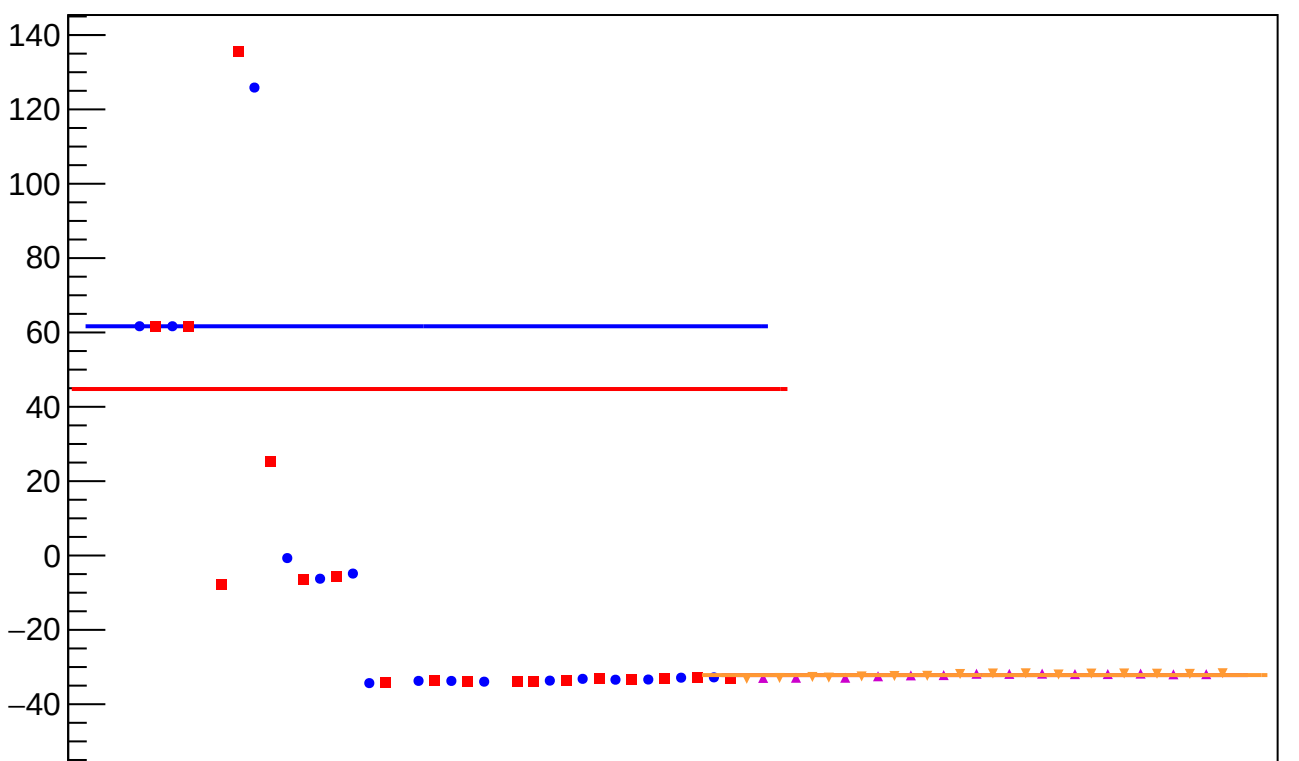
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:28018409.3/29

Out: 0.002+/-0.000 χ^2/NDF:29639204.5/34

All: 0.002+/-0.000 χ^2/NDF: 57657619.4/64

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.163+/-0.000 χ^2/NDF:32978783.0/15

Right Out: 44.786+/-0.000 χ^2/NDF: 3660947782299 51.8/18

Left In: -32.163+/-0.000 χ^2/NDF:23487140.3/13

Left: -32.163+/-0.000 χ^2/NDF: 56465925.5/29

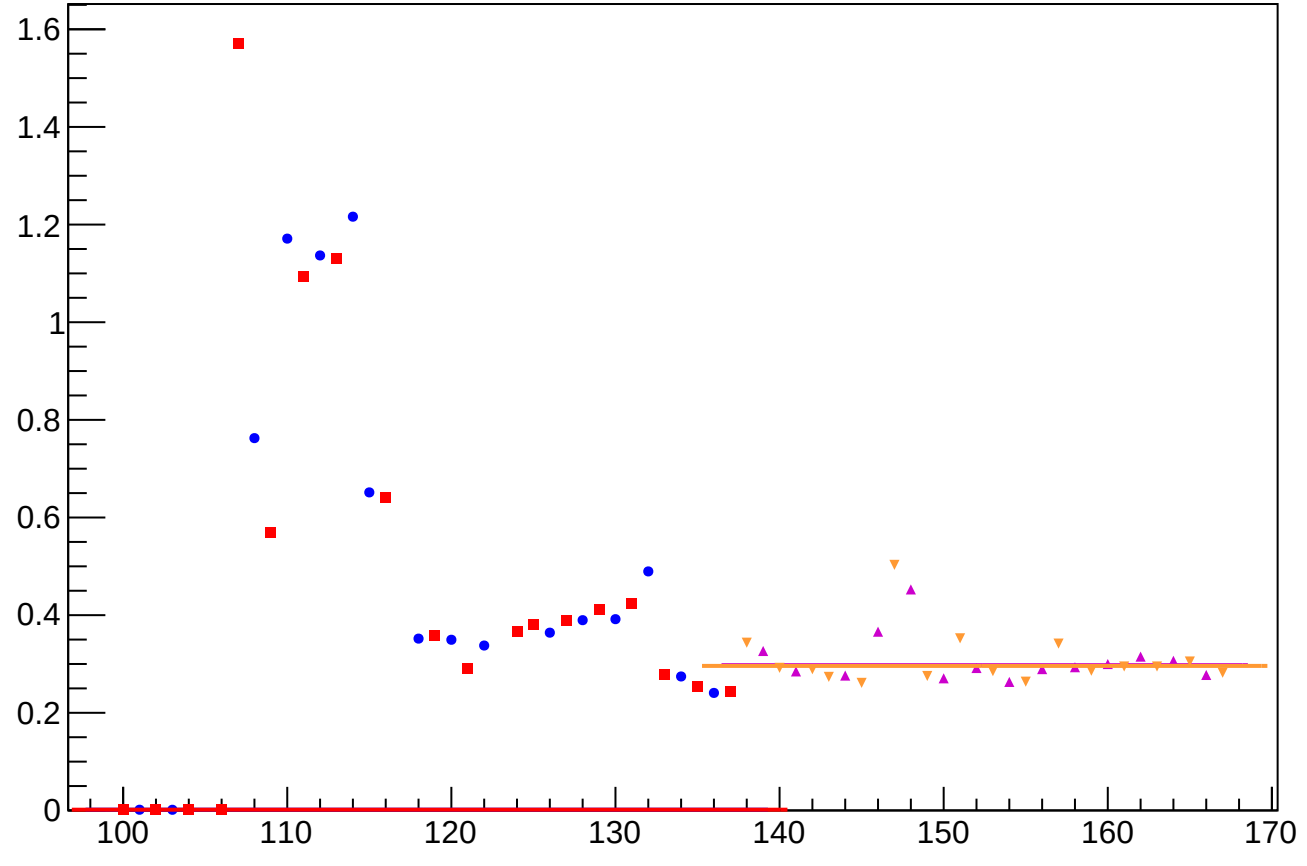
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.628+/-0.000 χ^2/NDF:1452701335226.5/29

Out: 44.758+/-0.000 χ^2/NDF:366898925746279.4

All: 52.658+/-0.000 χ^2/NDF: 419431833622 9

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.296+/-0.000 χ^2/NDF:448400.4/15

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.298+/-0.000 χ^2/NDF:330407.5/13

Left: 0.297+/-0.000 χ^2/NDF: 779120.1/29

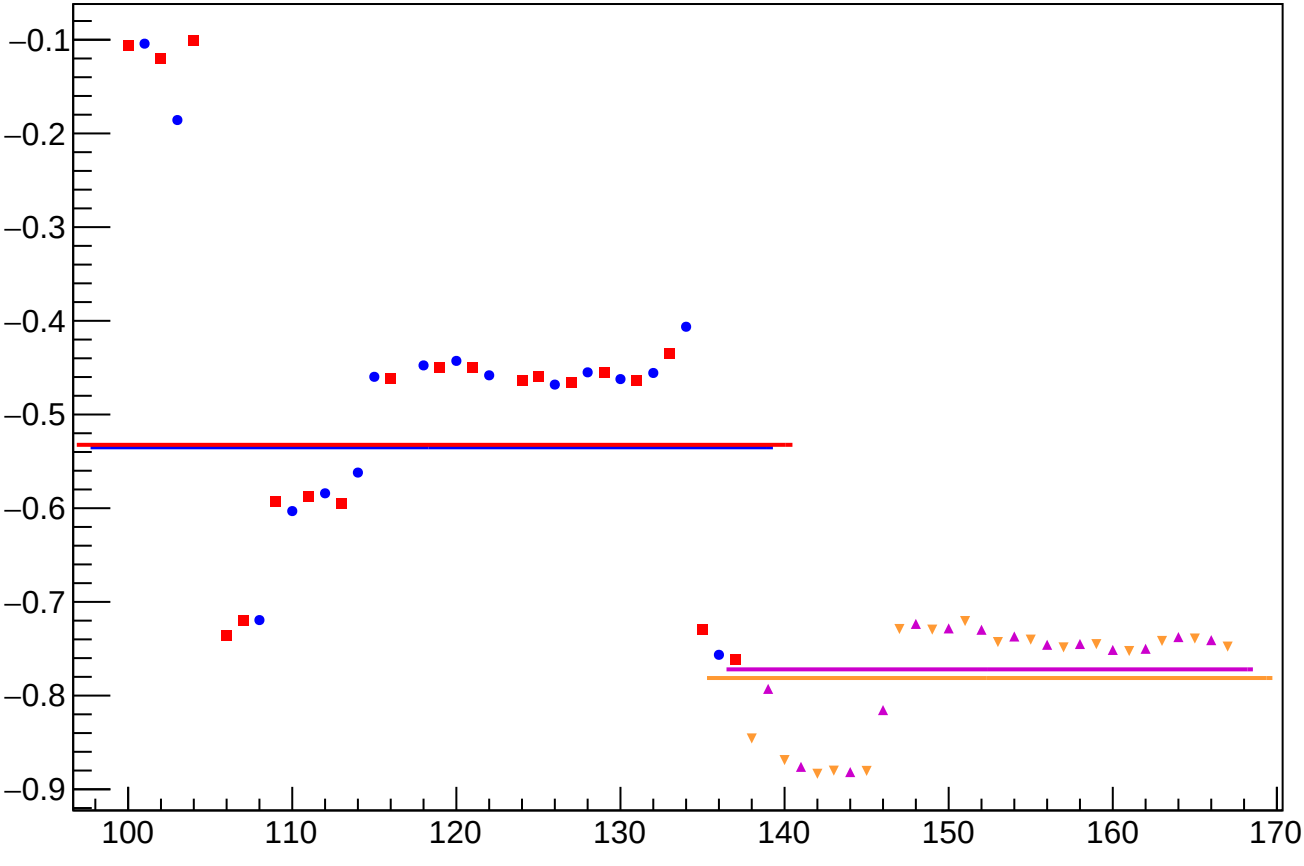
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:32933311.4/29

Out: 0.002+/-0.000 χ^2/NDF:34570385.9/34

All: 0.002+/-0.000 χ^2/NDF: 67503781.5/64

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.781+/-0.000 χ^2/NDF:107351376.0/15

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.772+/-0.000 χ^2/NDF:74711068.1/13

Left: -0.777+/-0.000 χ^2/NDF: 183148341.6/29

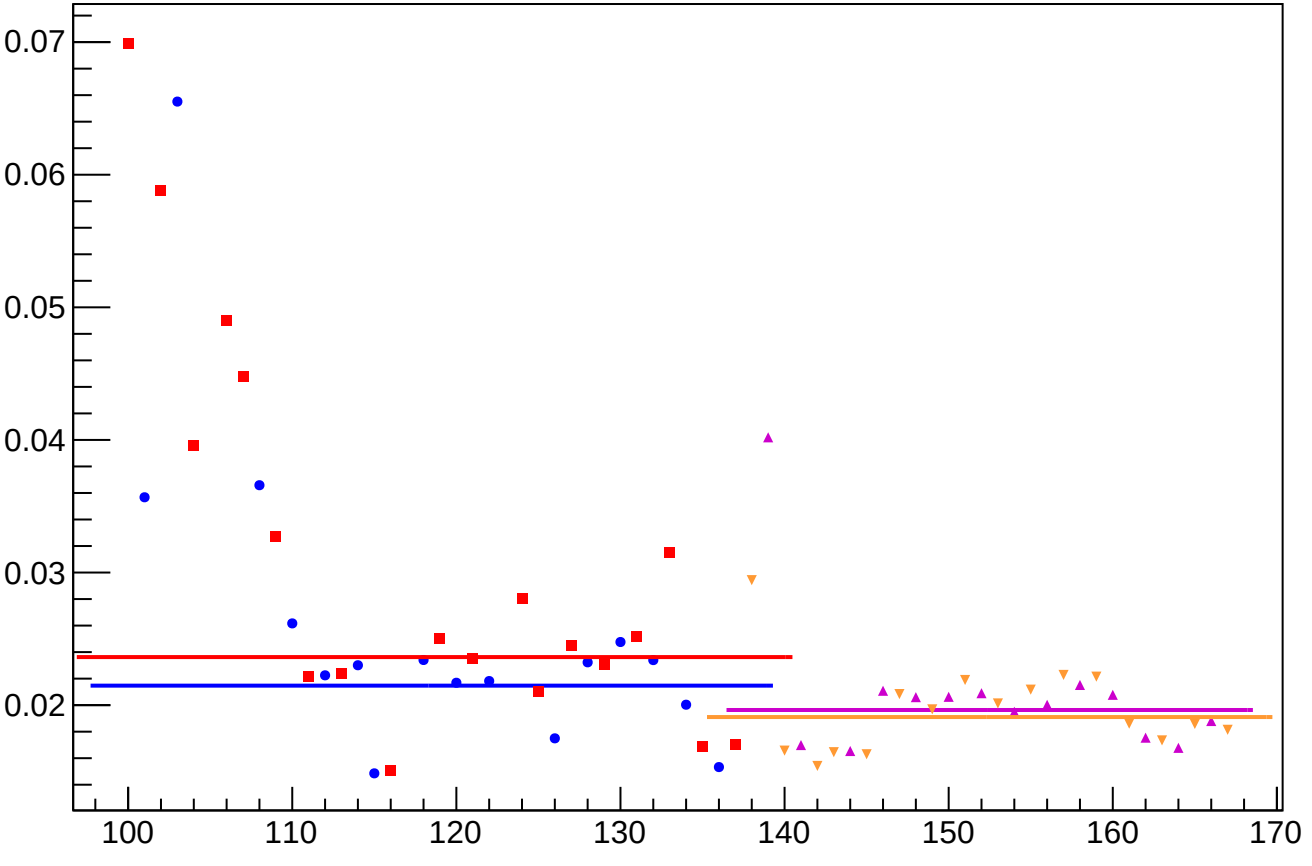
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.694+/-0.000 χ^2/NDF:814021571.0/29

Out: -0.715+/-0.000 χ^2/NDF:774645277.8/34

All: -0.705+/-0.000 χ^2/NDF: 1596220141.1/6

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:409561.1/15

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:599931.6/13

Left: 0.019+/-0.000 χ^2/NDF: 1016698.5/29

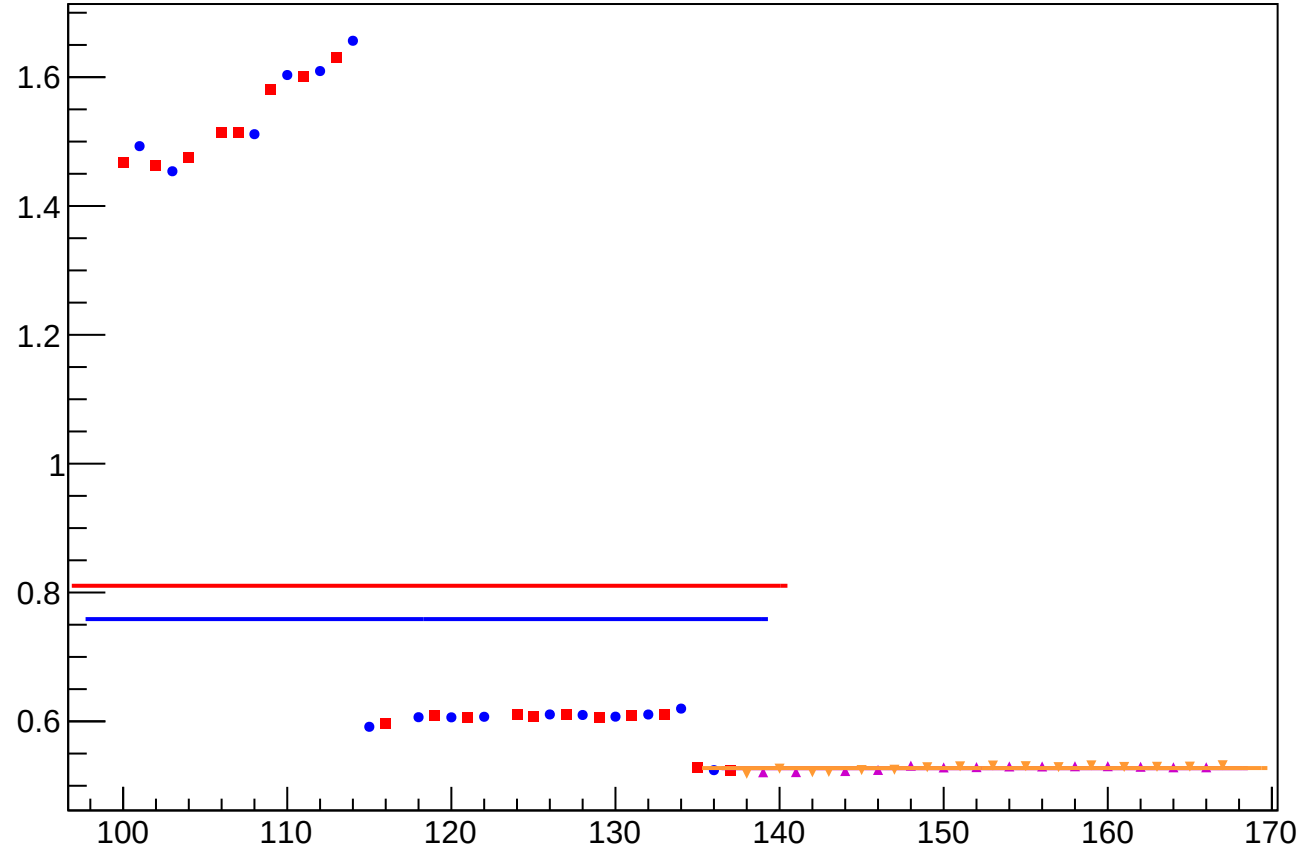
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1806580.4/29

Out: 0.020+/-0.000 χ^2/NDF:1986108.0/34

All: 0.020+/-0.000 χ^2/NDF: 3792900.4/64

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:1290560.5/15

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.527+/-0.000 χ^2/NDF:929520.2/13

Left: 0.527+/-0.000 χ^2/NDF: 2222590.9/29

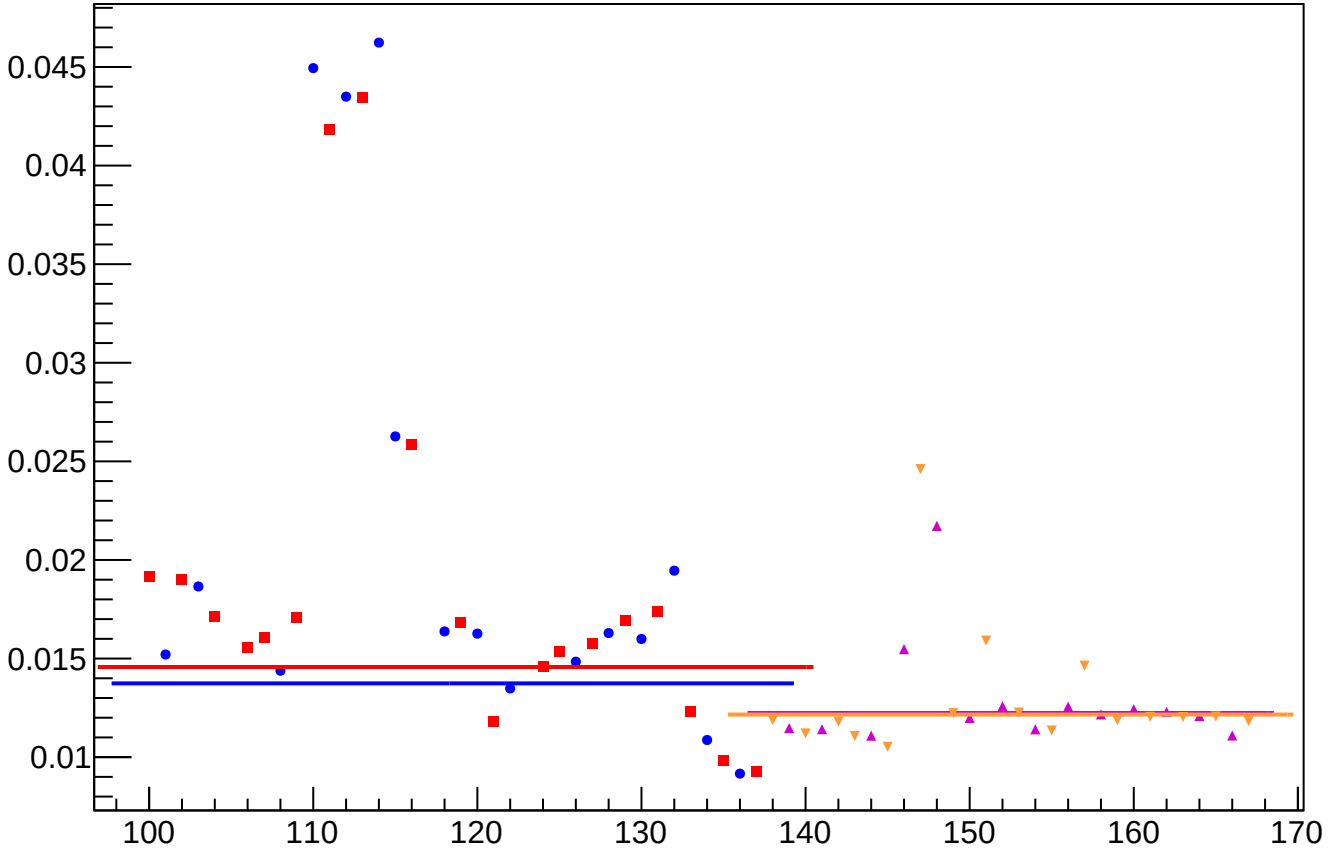
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.597+/-0.000 χ^2/NDF:5485447829.7/29

Out: 0.603+/-0.000 χ^2/NDF:6494528309.6/34

All: 0.600+/-0.000 χ^2/NDF: 11981978443.2/6

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:615264.8/15

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:429400.1/13

Left: 0.012+/-0.000 χ^2/NDF: 1045137.3/29

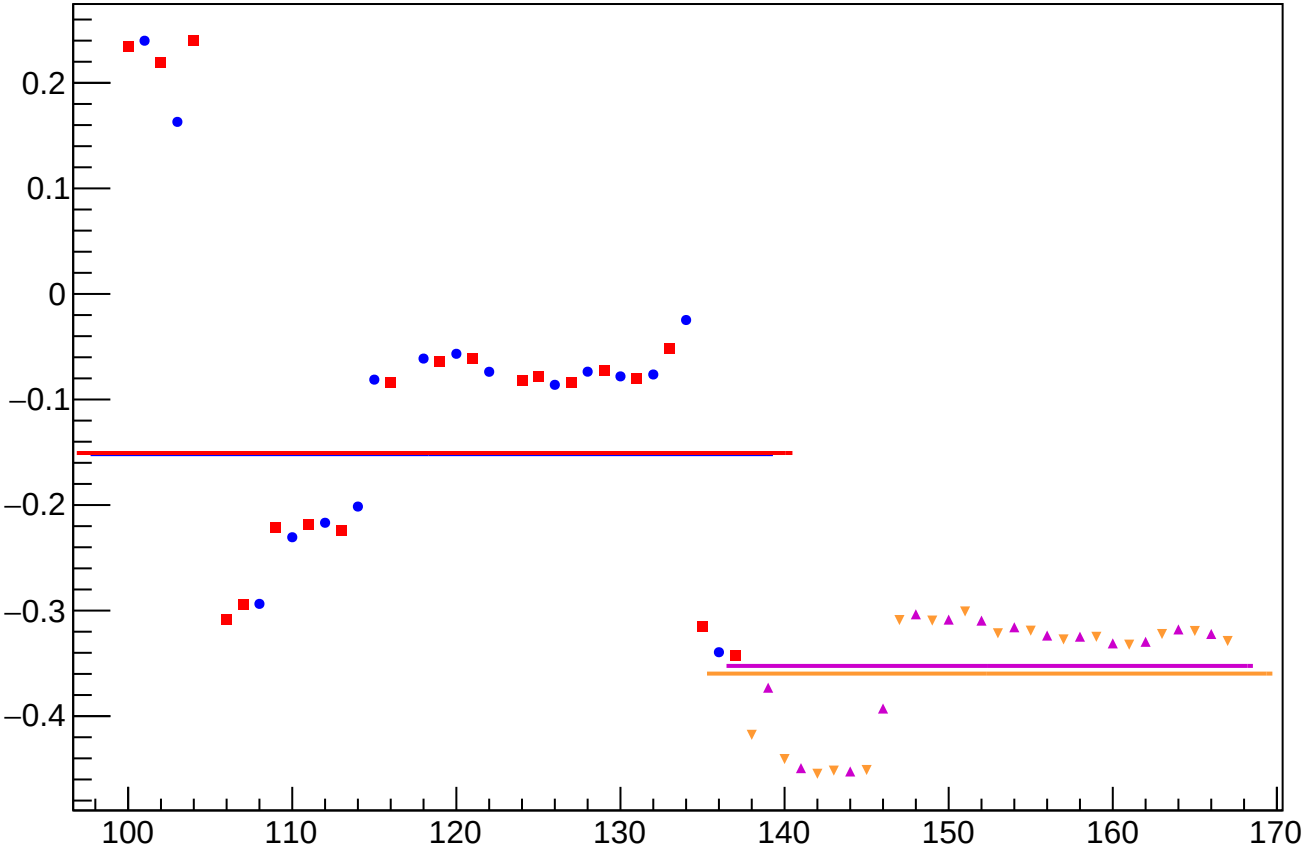
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2178554.5/29

Out: 0.013+/-0.000 χ^2/NDF:2320650.2/34

All: 0.013+/-0.000 χ^2/NDF: 4500578.5/64

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.360+/-0.000 χ^2/NDF:103599353.8/15

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.352+/-0.000 χ^2/NDF:75154856.4/13

Left: -0.356+/-0.000 χ^2/NDF: 179470656.3/29

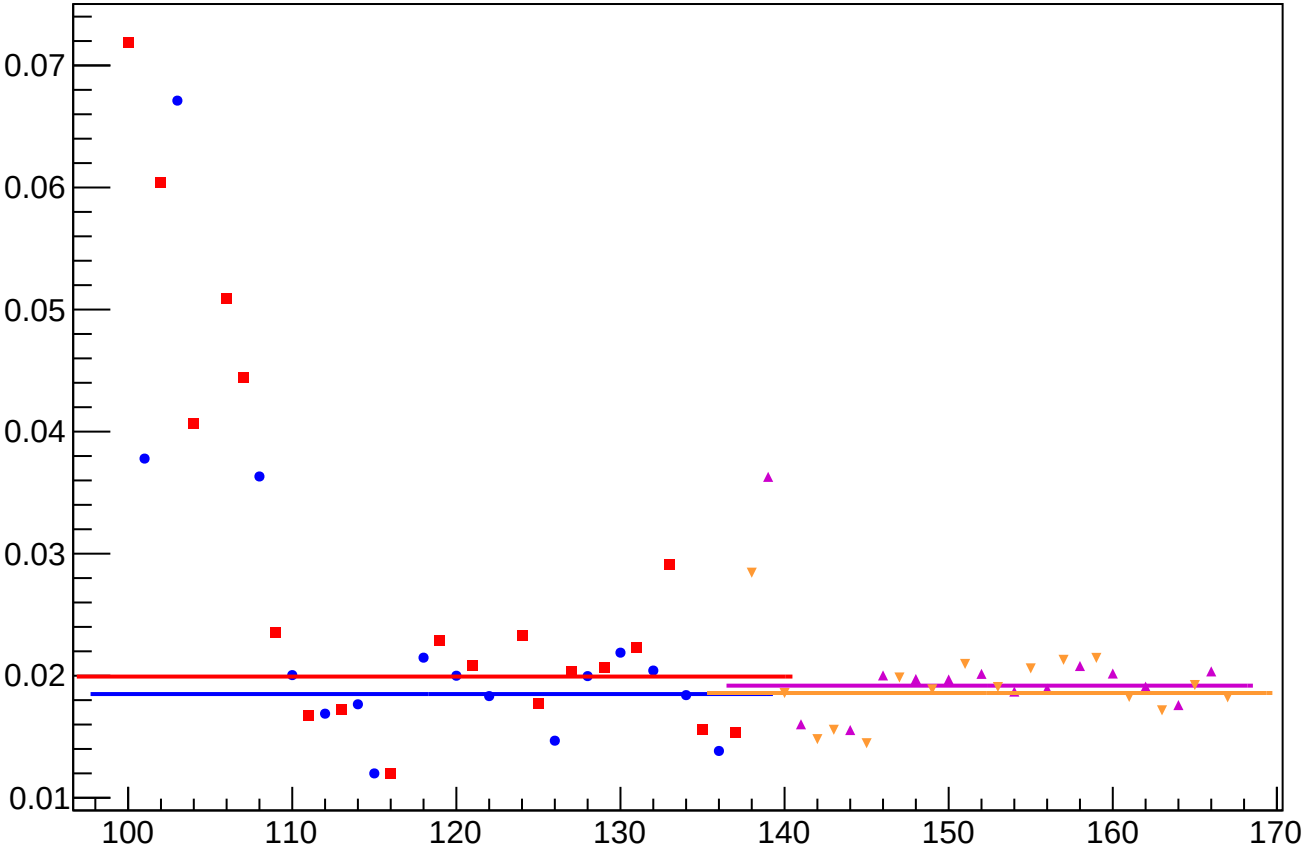
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.276+/-0.000 χ^2/NDF:736803115.8/29

Out: -0.293+/-0.000 χ^2/NDF:710397260.3/34

All: -0.285+/-0.000 χ^2/NDF: 1452969183.3/6

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:435285.9/15

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:528001.8/13

Left: 0.019+/-0.000 χ^2/NDF: 973087.4/29

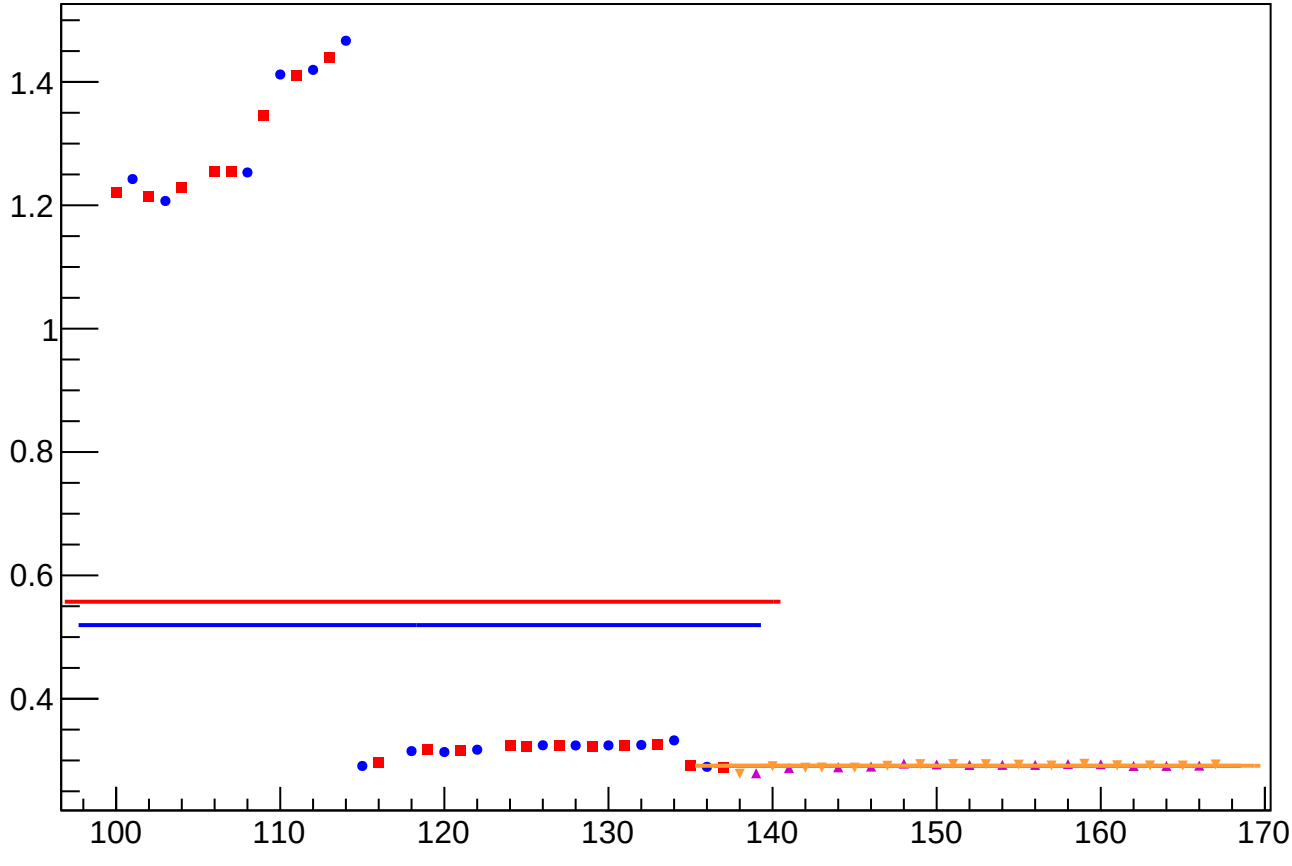
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1909418.6/29

Out: 0.019+/-0.000 χ^2/NDF:2016677.4/34

All: 0.019+/-0.000 χ^2/NDF: 3926430.6/64

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1165009.4/15

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1168265.2/13

Left: 0.291+/-0.000 χ^2/NDF: 2334732.8/29

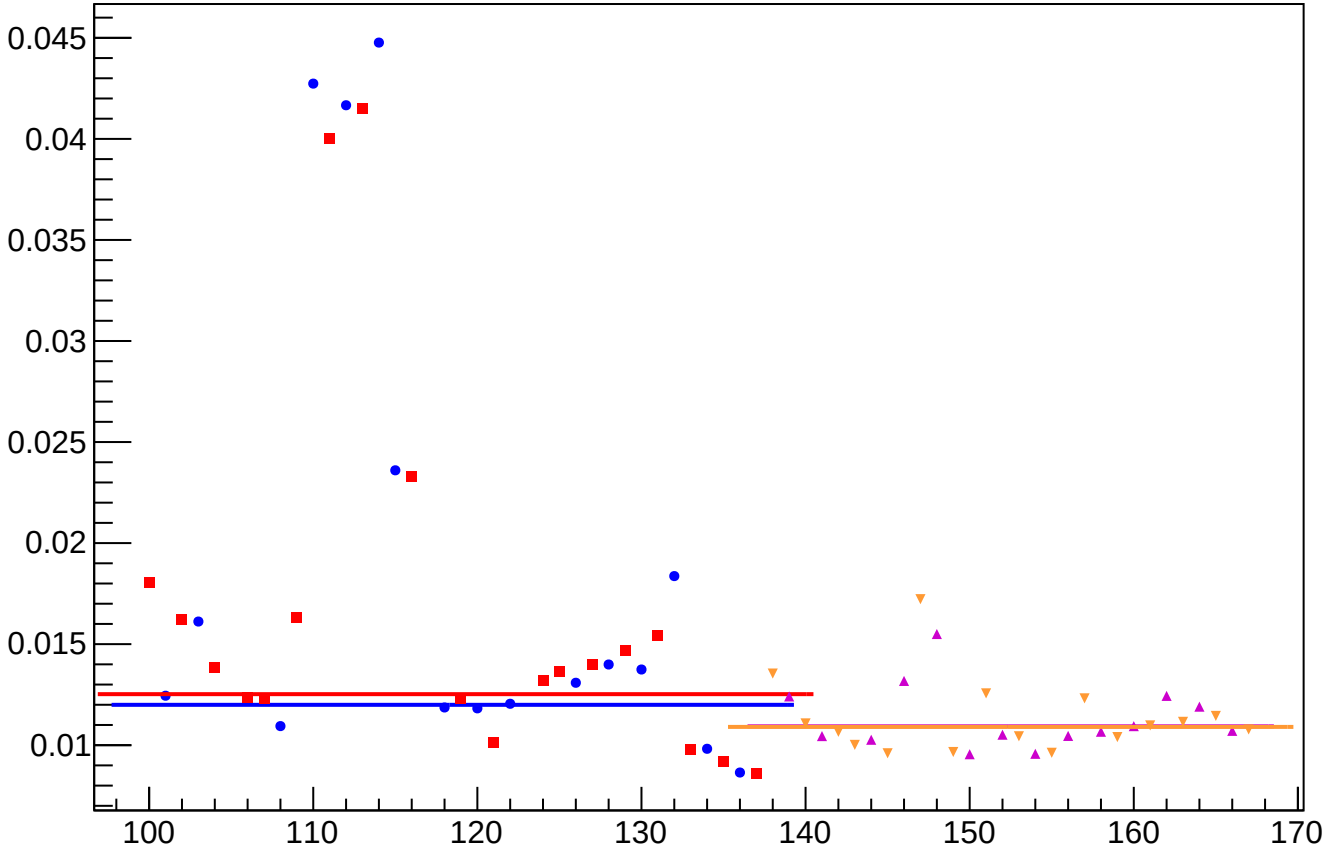
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.363+/-0.000 χ^2/NDF:7802979239.3/29

Out: 0.366+/-0.000 χ^2/NDF:8732596351.7/34

All: 0.364+/-0.000 χ^2/NDF: 16536419492.2/6

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:427708.7/15

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:329444.8/13

Left: 0.011+/-0.000 χ^2/NDF: 757234.0/29

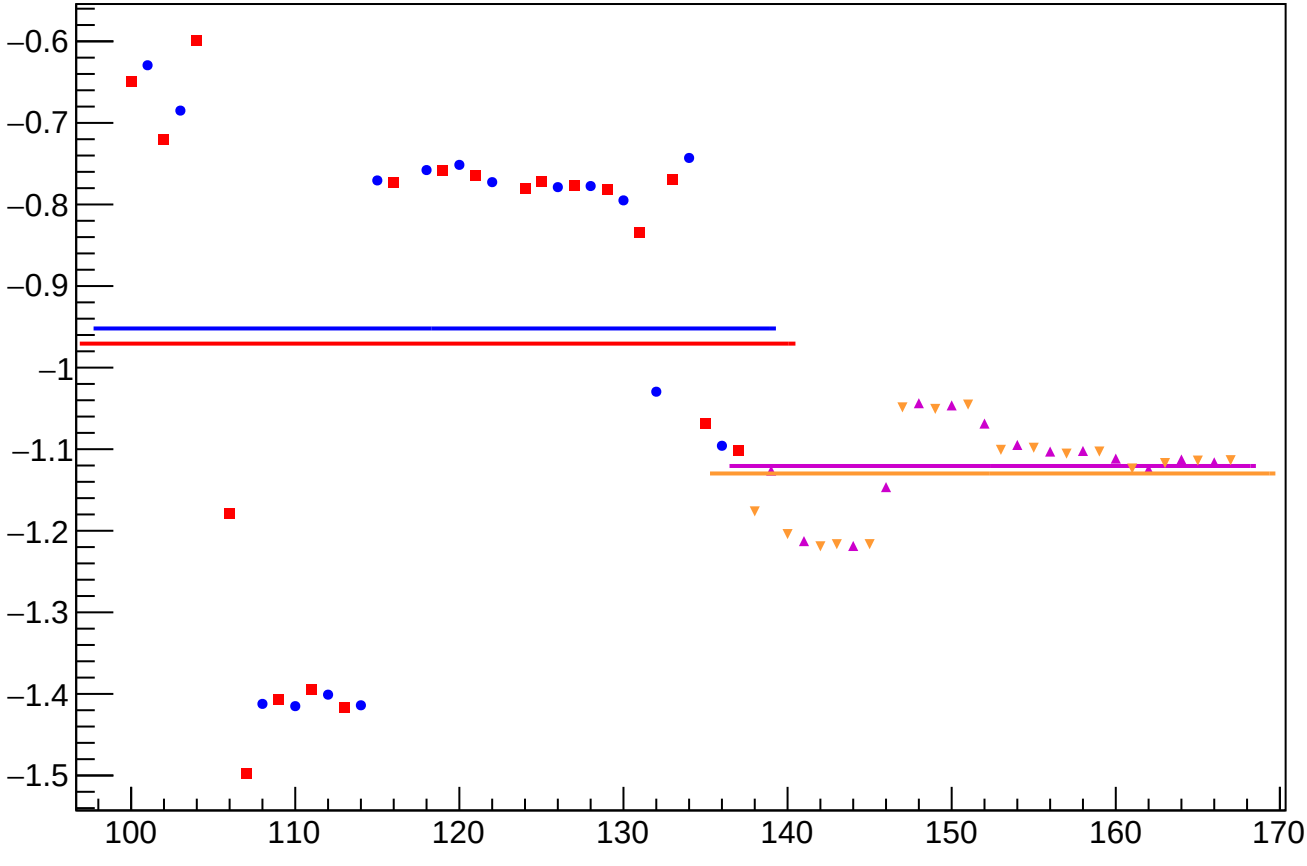
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1885434.7/29

Out: 0.011+/-0.000 χ^2/NDF:2009356.0/34

All: 0.011+/-0.000 χ^2/NDF: 3895980.7/64

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.130+/-0.000 χ^2/NDF:98012938.7/15

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.121+/-0.000 χ^2/NDF:71524624.8/13

Left: -1.125+/-0.000 χ^2/NDF: 170664409.9/29

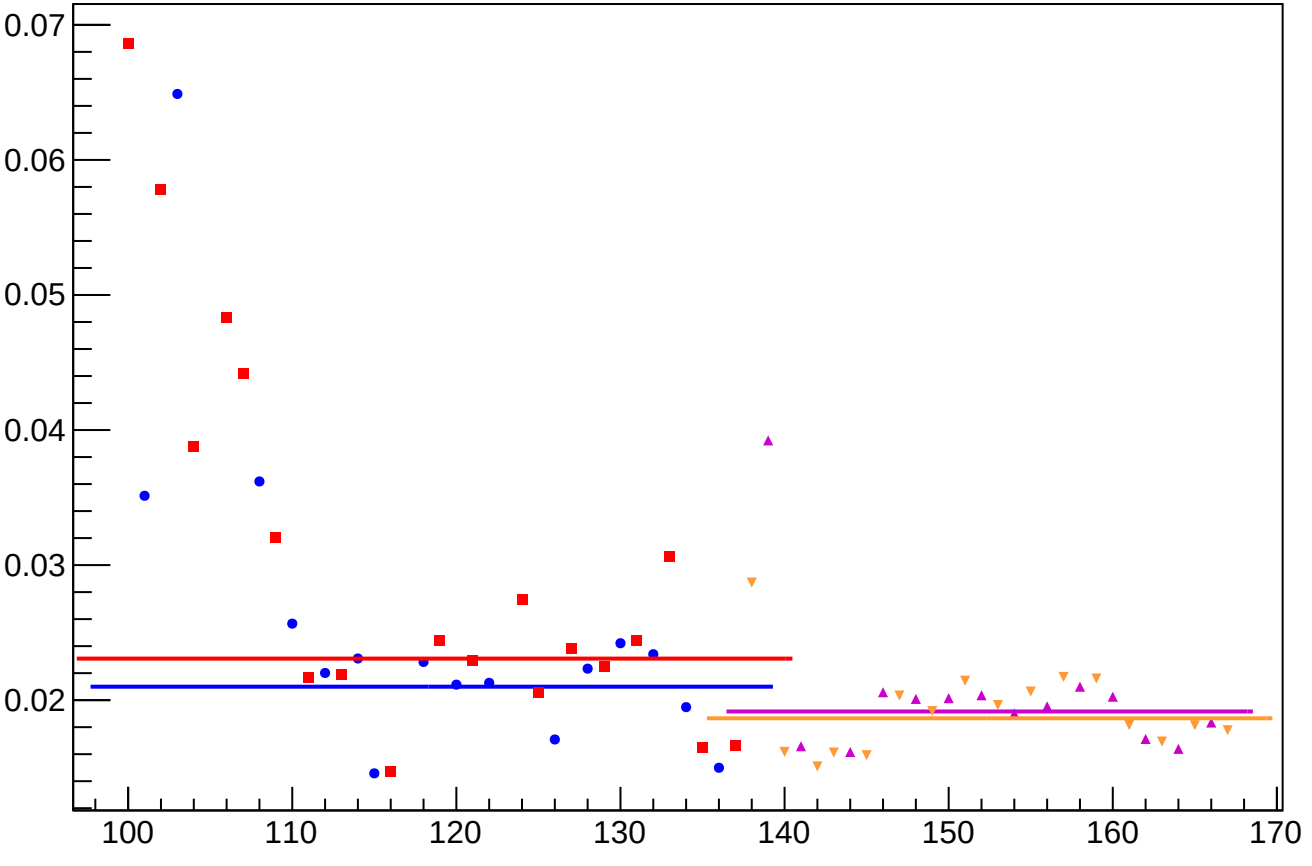
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.065+/-0.000 χ^2/NDF:1003064883.2/29

Out: -1.087+/-0.000 χ^2/NDF:1006338563.1/34

All: -1.077+/-0.000 χ^2/NDF: 2018462034.3/6

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:405636.6/15

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:598347.0/13

Left: 0.019+/-0.000 χ^2/NDF: 1010788.0/29

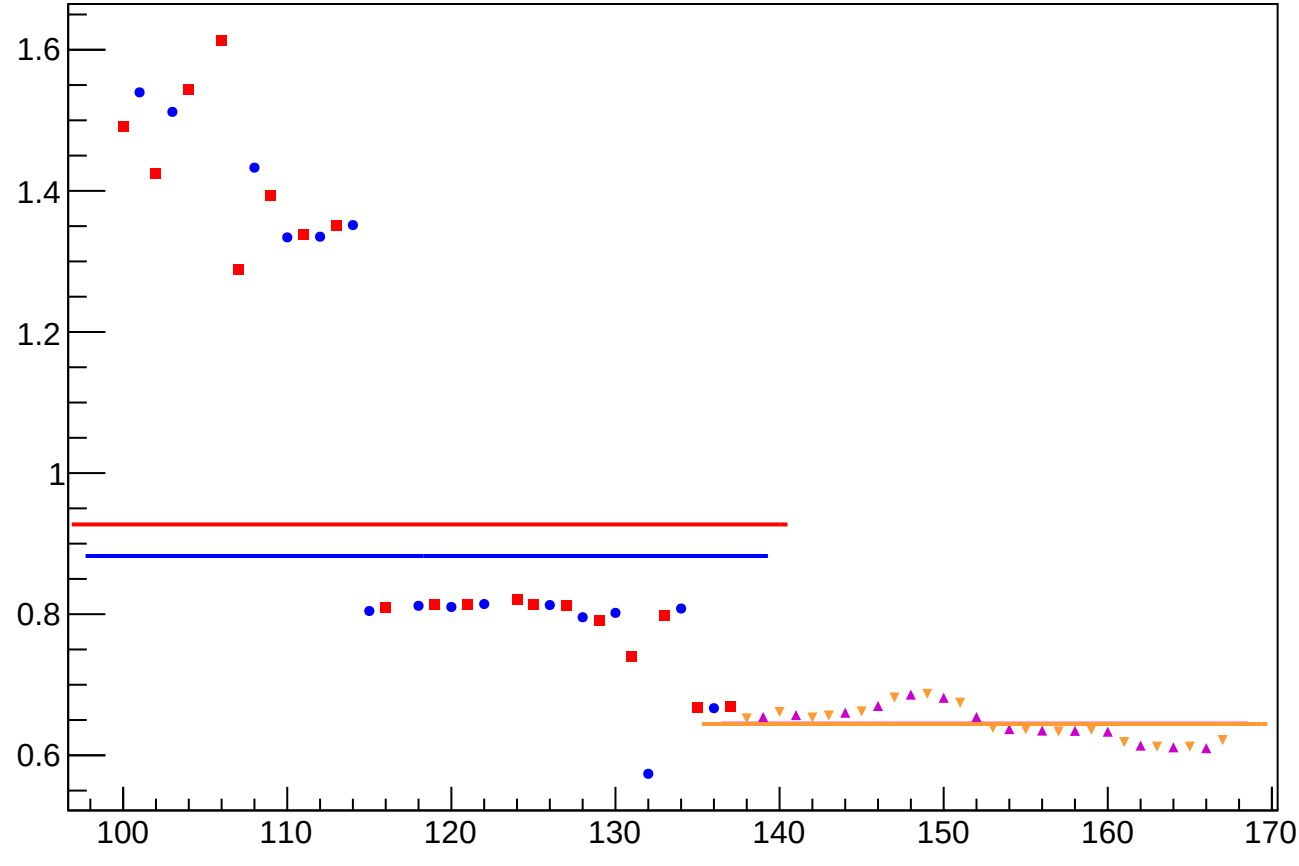
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1820302.5/29

Out: 0.020+/-0.000 χ^2/NDF:1985732.9/34

All: 0.020+/-0.000 χ^2/NDF: 3806252.3/64

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.644+/-0.000 χ^2/NDF:38251301.7/15

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.645+/-0.000 χ^2/NDF:34108322.1/13

Left: 0.645+/-0.000 χ^2/NDF: 72367649.9/29

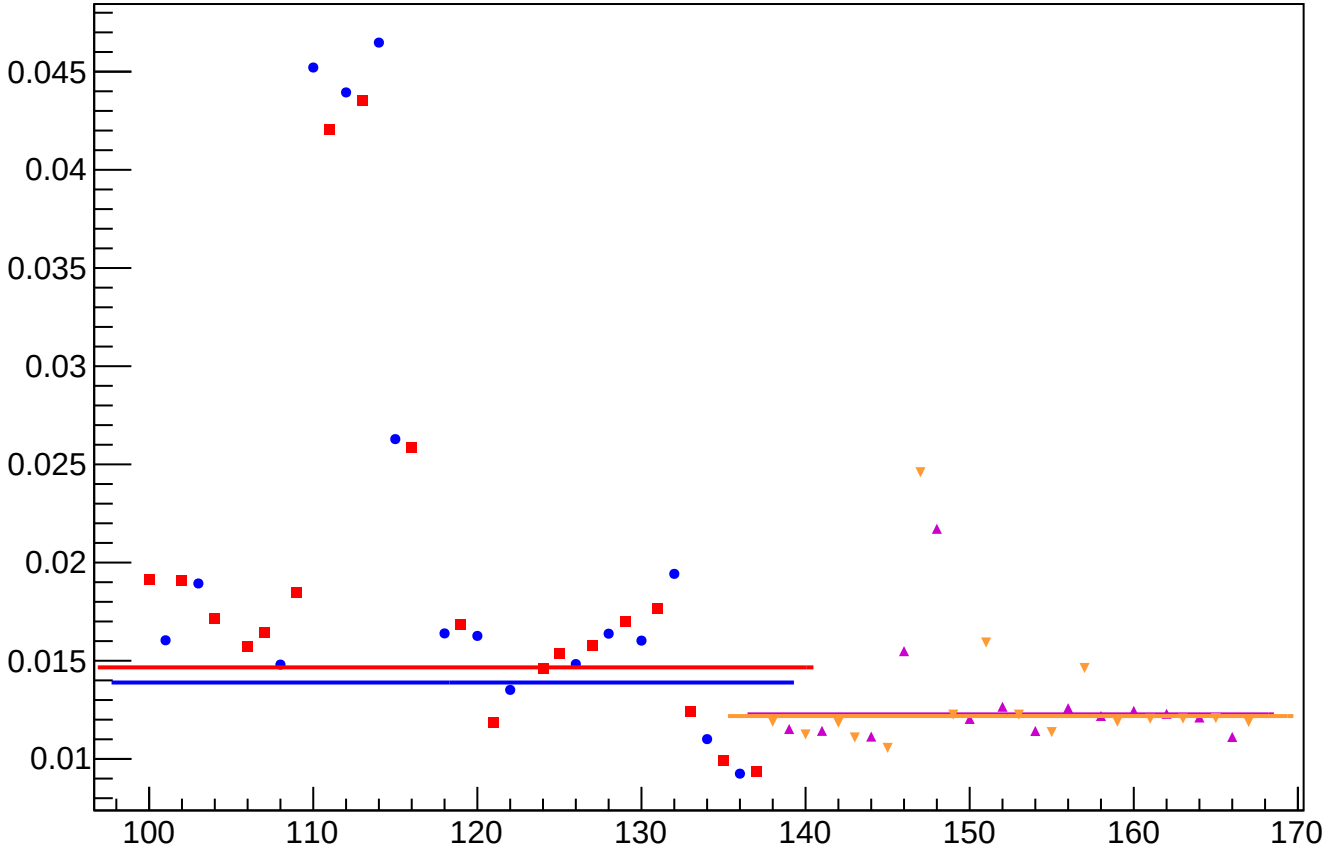
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.715+/-0.000 χ^2/NDF:4037553413.6/29

Out: 0.719+/-0.000 χ^2/NDF:4499053398.0/34

All: 0.717+/-0.000 χ^2/NDF: 8537366244.7/64

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:609949.7/15

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:426067.2/13

Left: 0.012+/-0.000 χ^2/NDF: 1036585.1/29

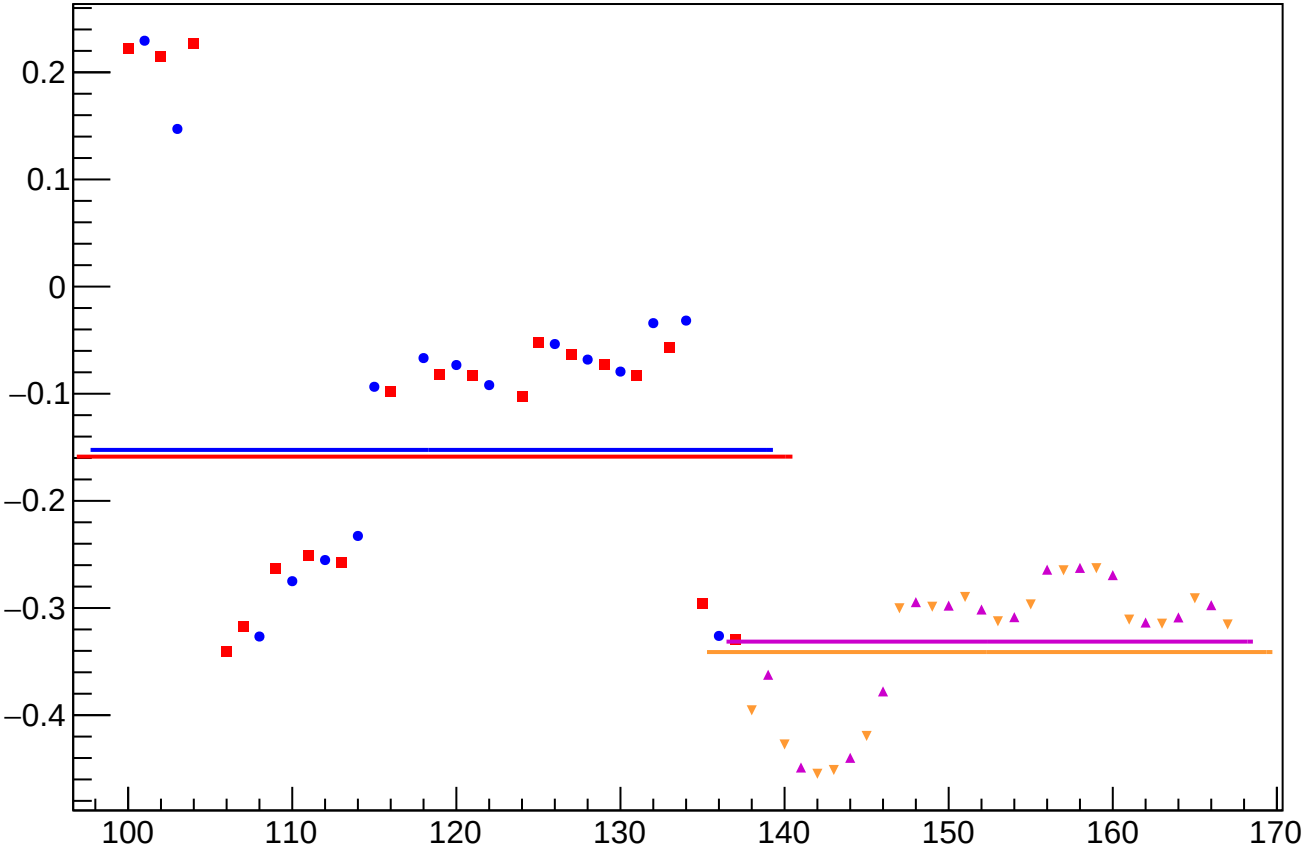
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2186314.0/29

Out: 0.013+/-0.000 χ^2/NDF:2337860.2/34

All: 0.013+/-0.000 χ^2/NDF: 4524994.1/64

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.341+/-0.000 χ^2/NDF:123307821.9/15

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.331+/-0.000 χ^2/NDF:102817550.2/13

Left: -0.337+/-0.000 χ^2/NDF: 227402767.5/29

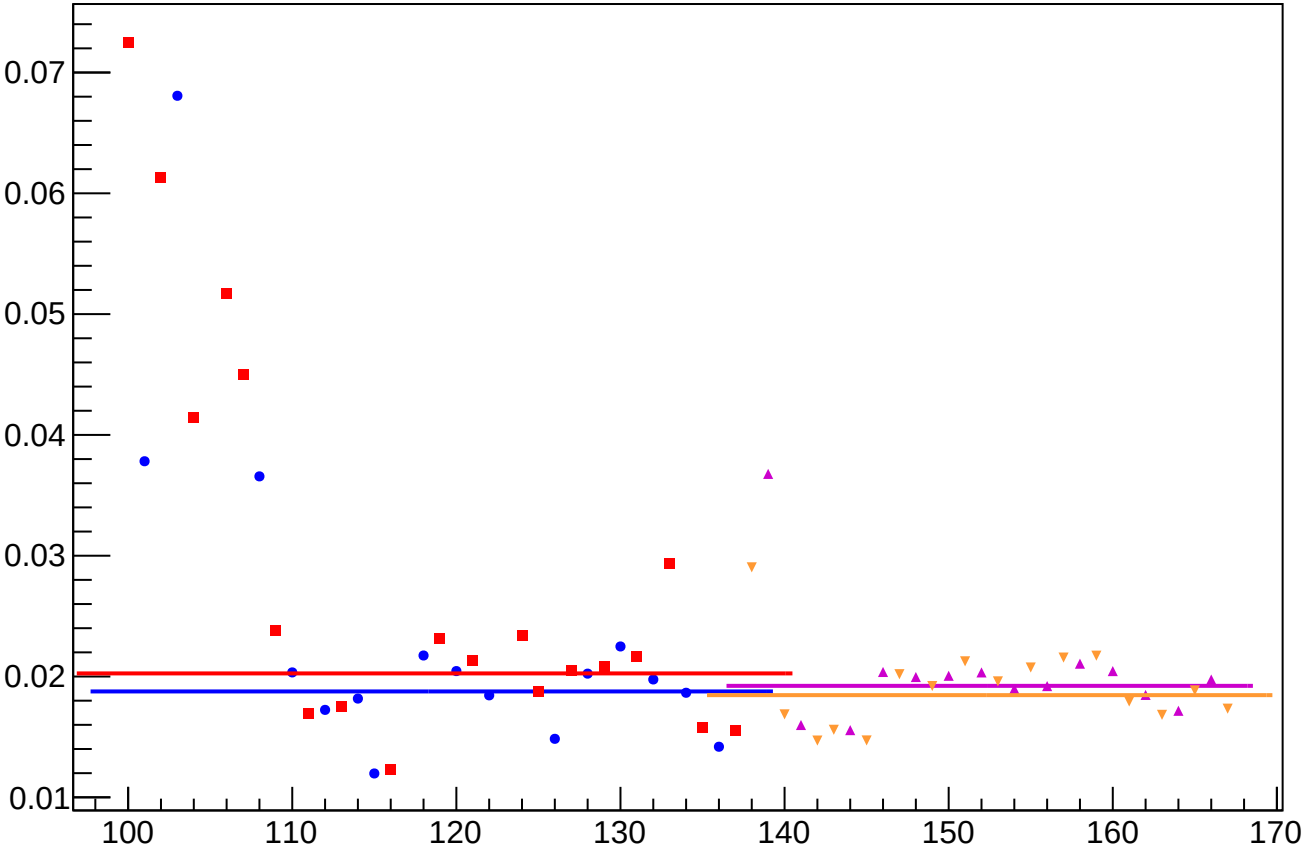
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.264+/-0.000 χ^2/NDF:676831264.2/29

Out: -0.284+/-0.000 χ^2/NDF:622923119.9/34

All: -0.275+/-0.000 χ^2/NDF: 1308167434.4/6

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:484079.1/15

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:553919.1/13

Left: 0.019+/-0.000 χ^2/NDF: 1053965.1/29

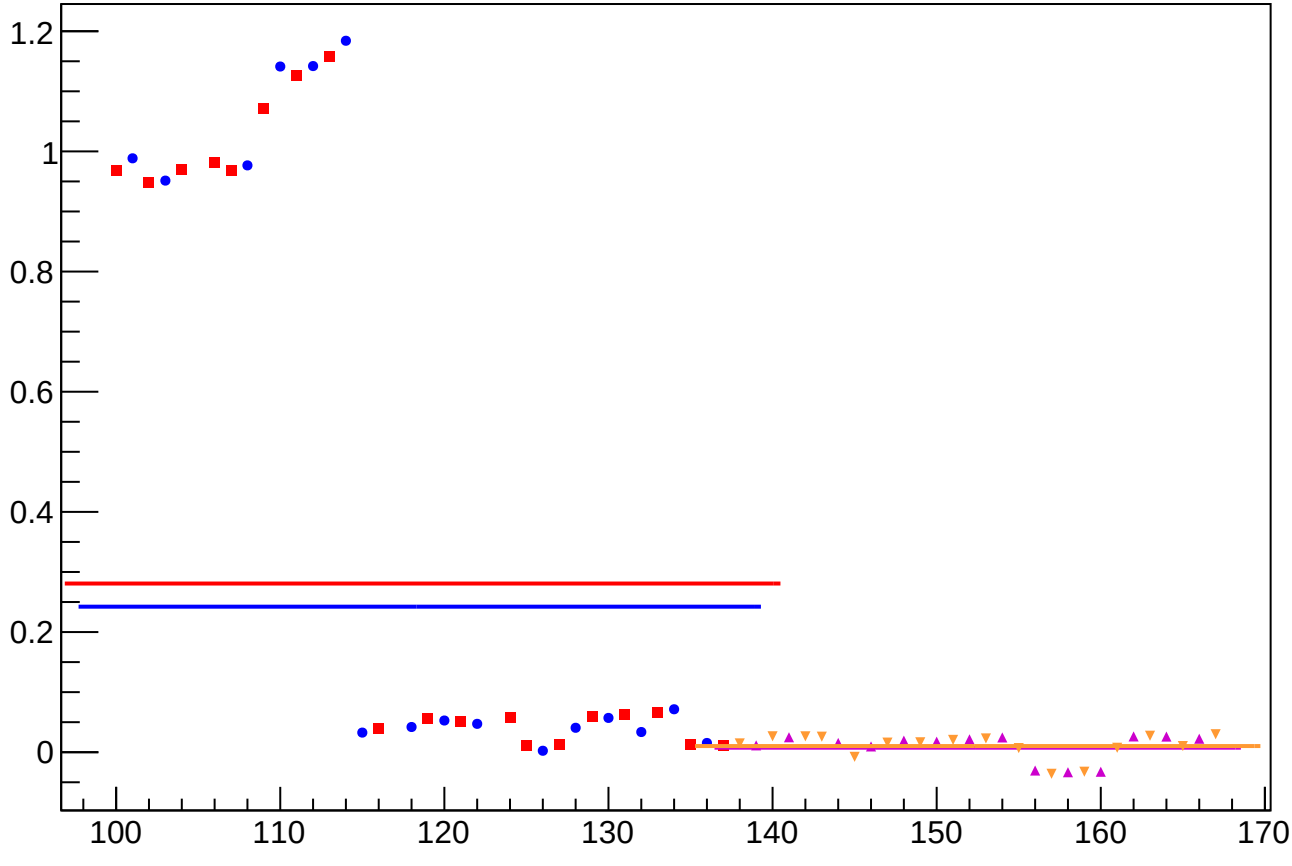
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1907343.5/29

Out: 0.019+/-0.000 χ^2/NDF:2072846.0/34

All: 0.019+/-0.000 χ^2/NDF: 3980242.4/64

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:41142778.3/15

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.008+/-0.000 χ^2/NDF:48770063.4/13

Left: 0.009+/-0.000 χ^2/NDF: 90281710.4/29

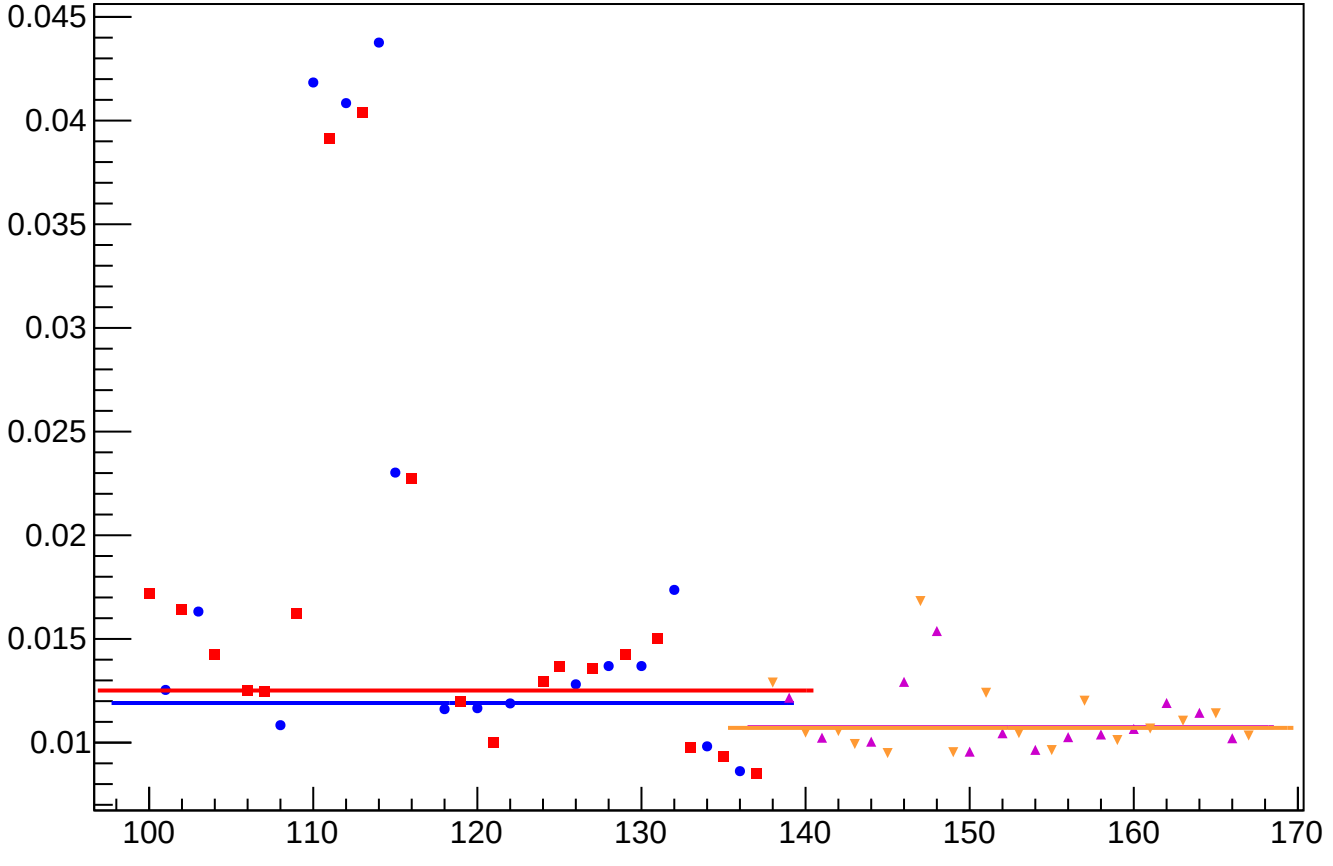
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.080+/-0.000 χ^2/NDF:8159502553.0/29

Out: 0.084+/-0.000 χ^2/NDF:8880208842.1/34

All: 0.082+/-0.000 χ^2/NDF: 17041017045.3/6

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:396926.5/15

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:304458.5/13

Left: 0.011+/-0.000 χ^2/NDF: 701505.2/29

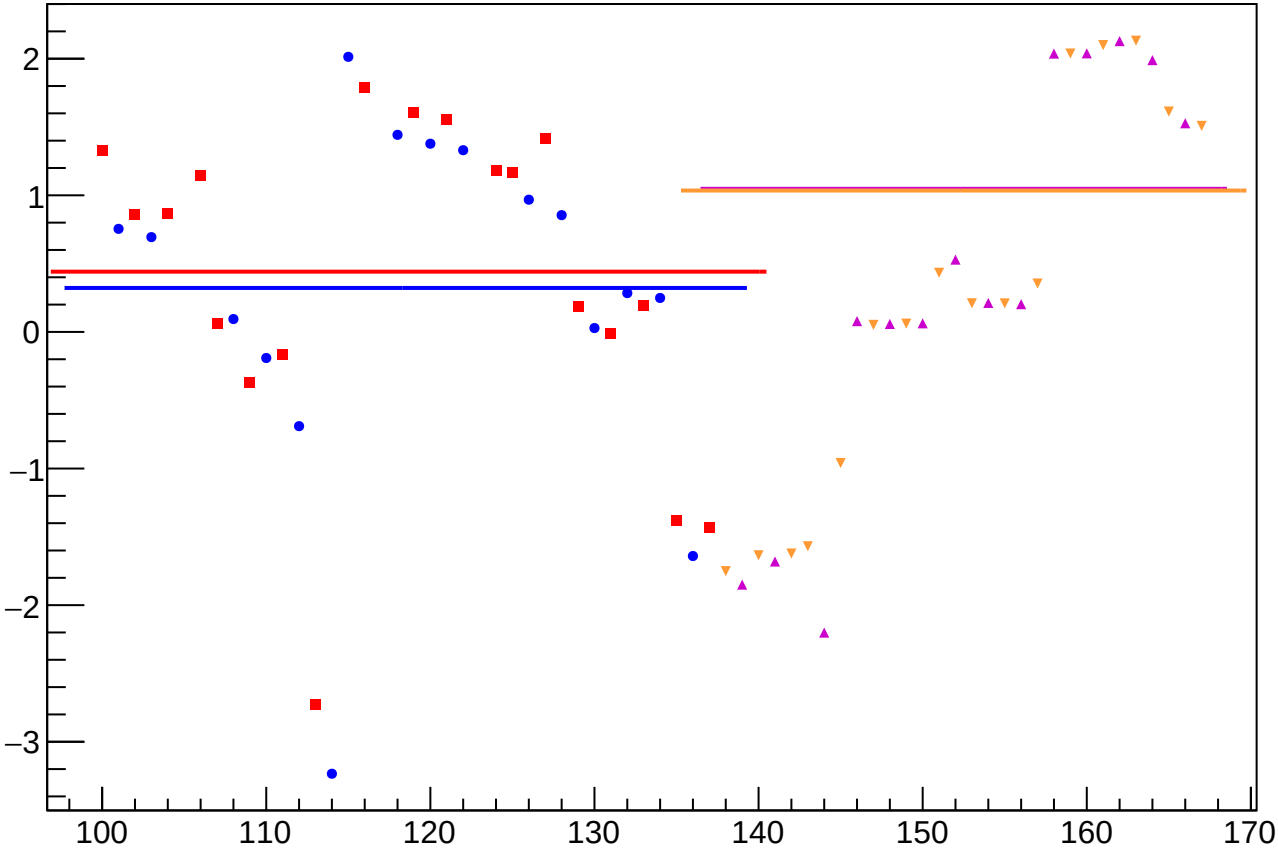
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1842865.5/29

Out: 0.011+/-0.000 χ^2/NDF:1974148.1/34

All: 0.011+/-0.000 χ^2/NDF: 3818378.8/64

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.035+/-0.000 χ^2/NDF:28533633276.2/15

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.048+/-0.000 χ^2/NDF:32319309070.6/13

Left: 1.041+/-0.000 χ^2/NDF: 60855664338.5/29

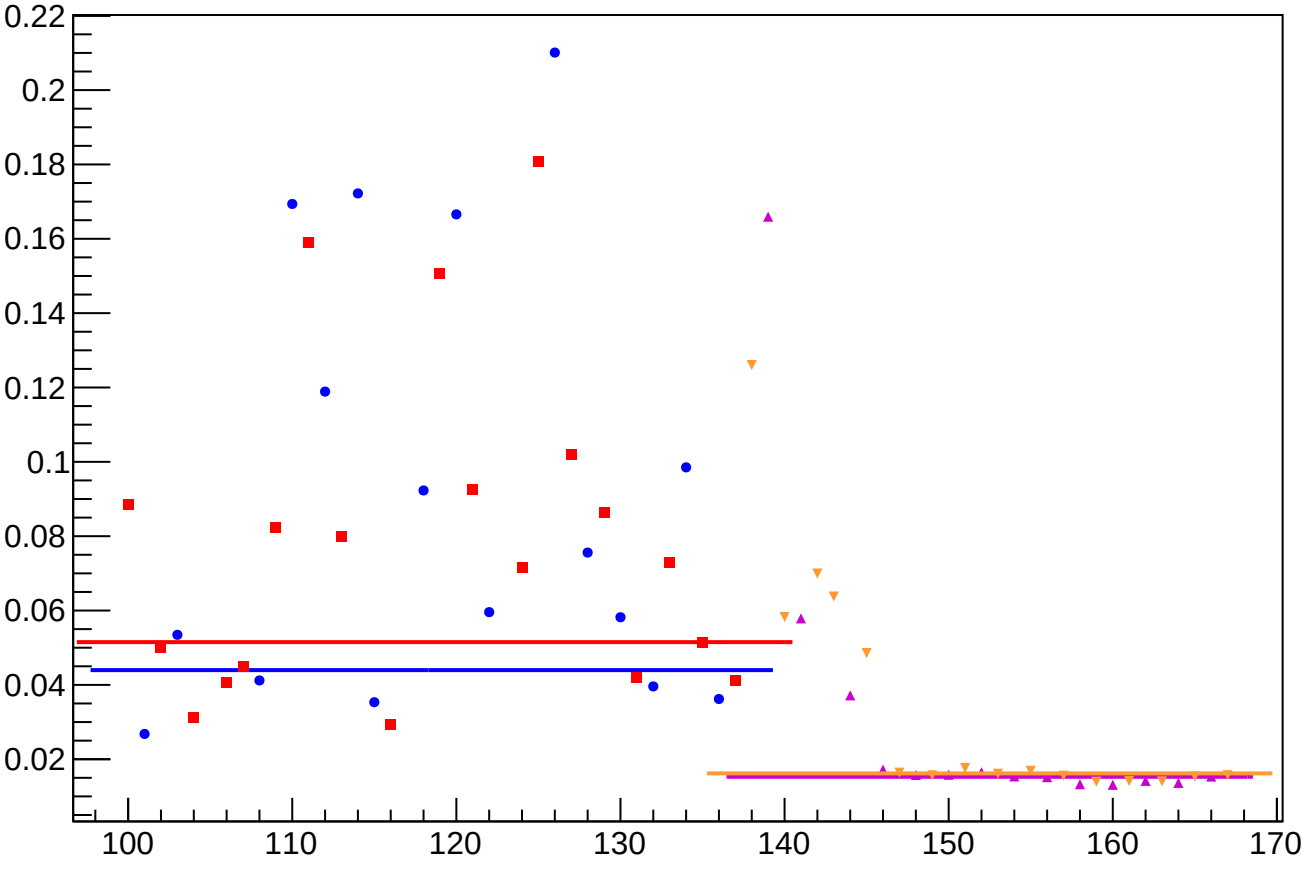
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.008+/-0.000 χ^2/NDF:34973043720.6/29

Out: 1.007+/-0.000 χ^2/NDF:30883547337.5/34

All: 1.008+/-0.000 χ^2/NDF: 65856621435.5/6

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2877808.5/15

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2143723.5/13

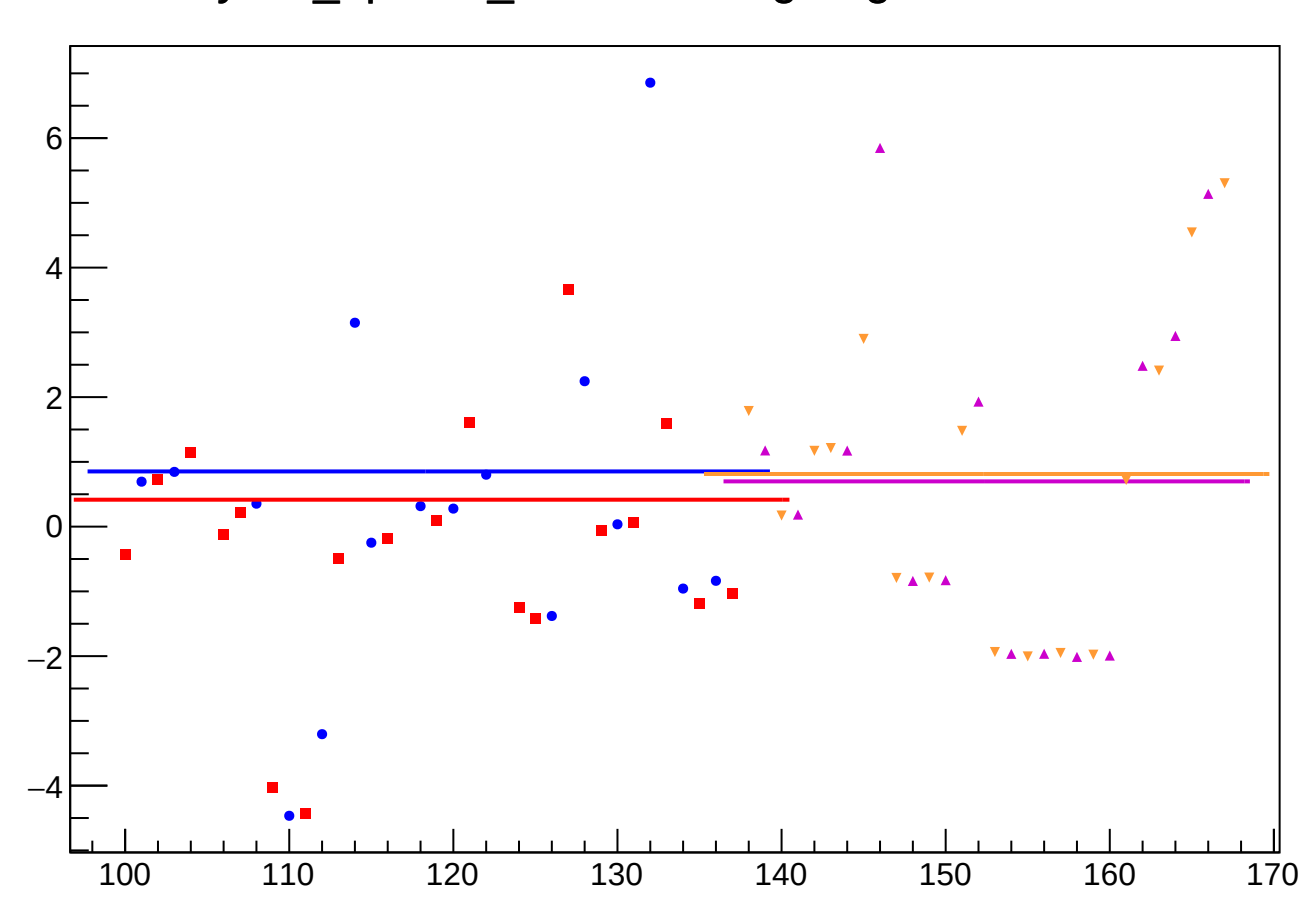
Left: 0.016+/-0.000 χ^2/NDF: 5049466.2/29

Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.017+/-0.000 χ^2/NDF:8020419.0/29

Out: 0.018+/-0.000 χ^2/NDF:9156374.2/34

All: 0.017+/-0.000 χ^2/NDF: 17213697.2/64



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.813+/-0.000 χ^2/NDF:382915270131.5/15

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.699+/-0.000 χ^2/NDF:424364572439.1/13

Left: 0.757+/-0.000 χ^2/NDF: 807623773747.3/29

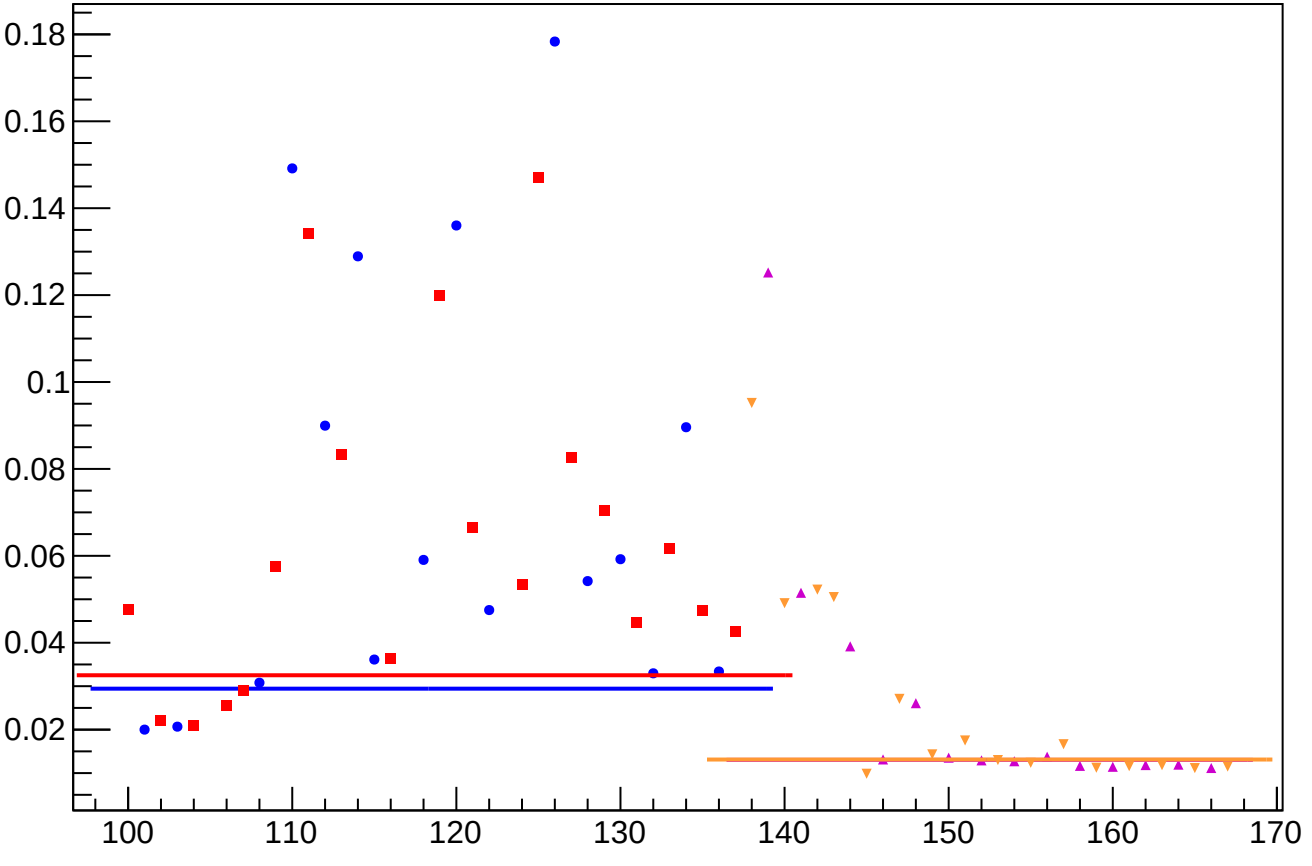
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.710+/-0.000 χ^2/NDF:436033603298.6/29

Out: 0.786+/-0.000 χ^2/NDF:388610274114.5/34

All: 0.749+/-0.000 χ^2/NDF: 824806366283.9

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3106427.8/15

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2664253.3/13

Left: 0.013+/-0.000 χ^2/NDF: 5771023.4/29

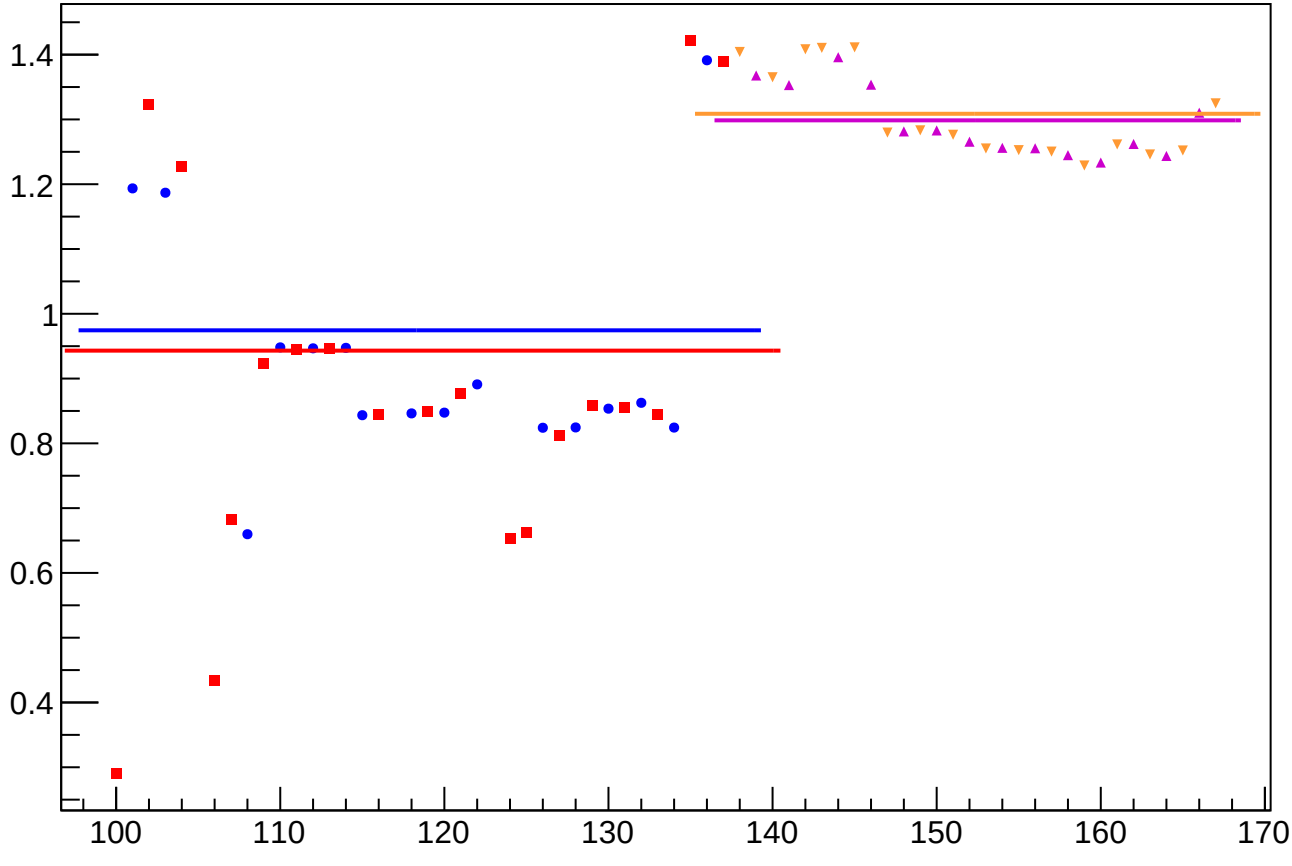
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.014+/-0.000 χ^2/NDF:7971958.1/29

Out: 0.014+/-0.000 χ^2/NDF:9158448.9/34

All: 0.014+/-0.000 χ^2/NDF: 17131847.2/64

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.309+/-0.000 χ^2/NDF:260658150.5/15

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.299+/-0.000 χ^2/NDF:152296251.4/13

Left: 1.304+/-0.000 χ^2/NDF: 415902116.6/29

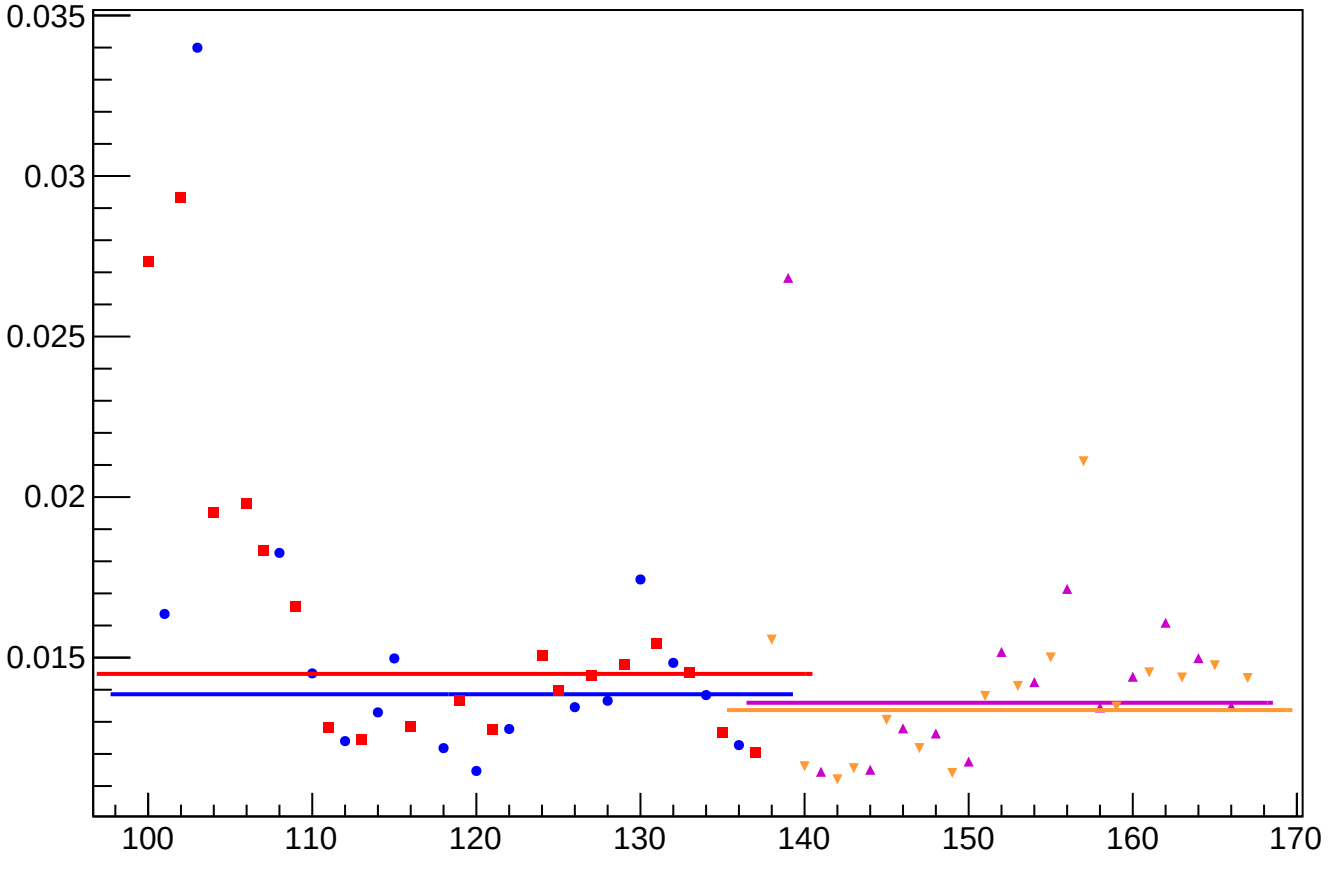
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.178+/-0.000 χ^2/NDF:3741649847.7/29

Out: 1.186+/-0.000 χ^2/NDF:4644491582.9/34

All: 1.182+/-0.000 χ^2/NDF: 8389459427.6/64

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:408024.7/15

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:684660.4/13

Left: 0.013+/-0.000 χ^2/NDF: 1095681.7/29

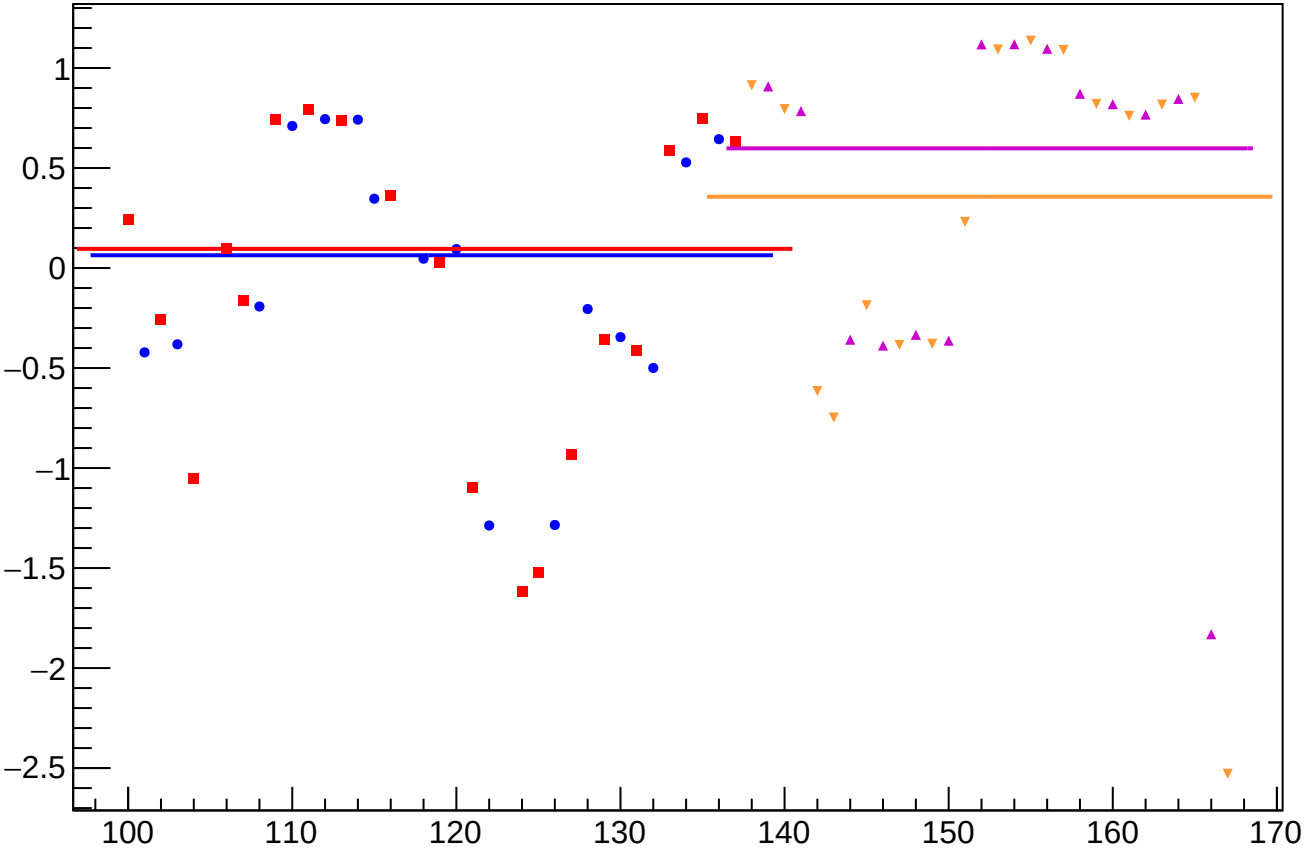
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1287480.3/29

Out: 0.014+/-0.000 χ^2/NDF:1003944.6/34

All: 0.014+/-0.000 χ^2/NDF: 2291648.6/64

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.356+/-0.000 χ^2/NDF:66964309027.4/15

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.598+/-0.000 χ^2/NDF:36842725111.7/13

Left: 0.476+/-0.000 χ^2/NDF: 106097893305.6/29

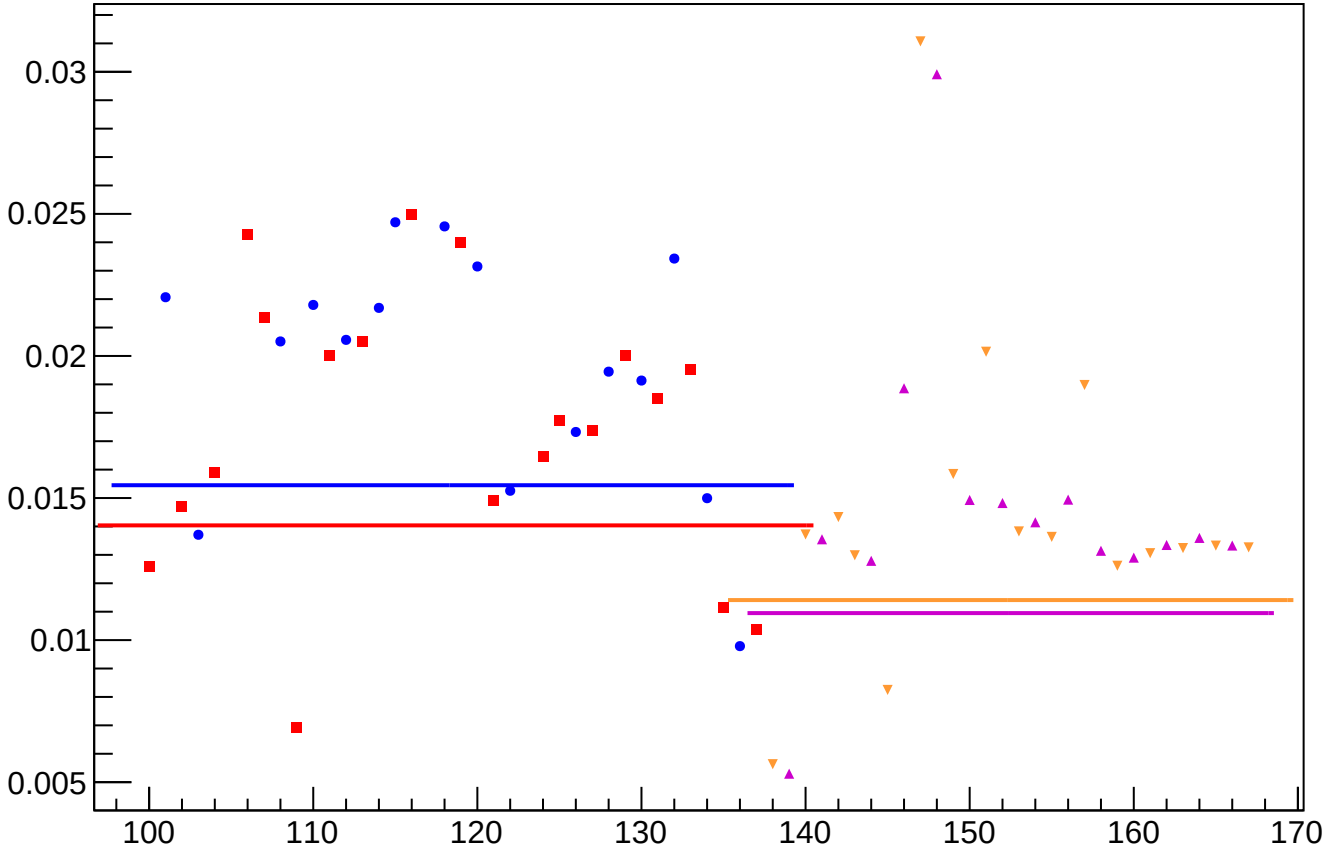
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.467+/-0.000 χ^2/NDF:53301120630.6/29

Out: 0.285+/-0.000 χ^2/NDF:86218478555.3/34

All: 0.373+/-0.000 χ^2/NDF: 141271048302.0

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:3103192.2/15

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3465811.3/13

Left: 0.011+/-0.000 χ^2/NDF: 6585422.9/29

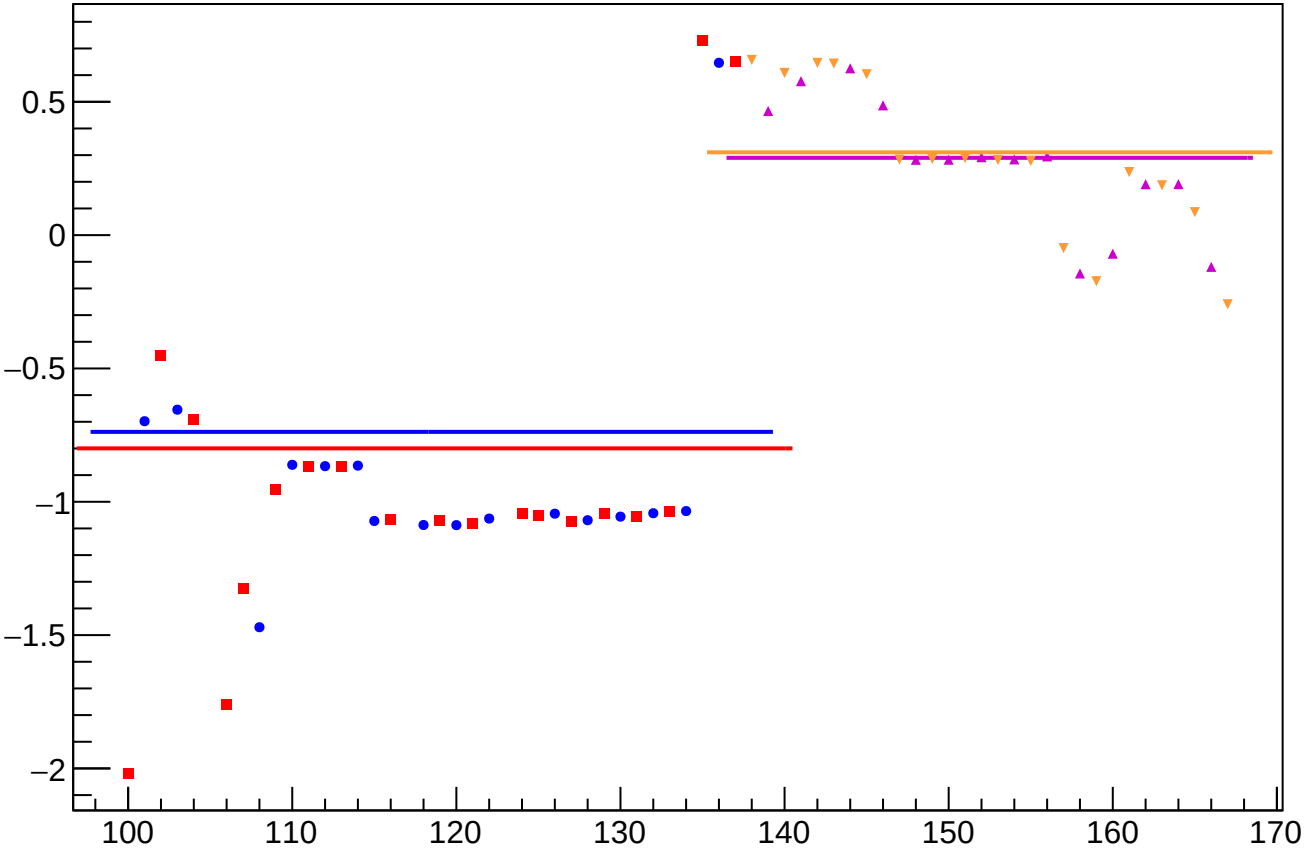
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5528522.7/29

Out: 0.012+/-0.000 χ^2/NDF:5089175.1/34

All: 0.012+/-0.000 χ^2/NDF: 10618258.8/64

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.311+/-0.000 χ^2/NDF:675728092.8/15

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.290+/-0.000 χ^2/NDF:472686576.1/13

Left: 0.301+/-0.000 χ^2/NDF: 1150242842.8/29

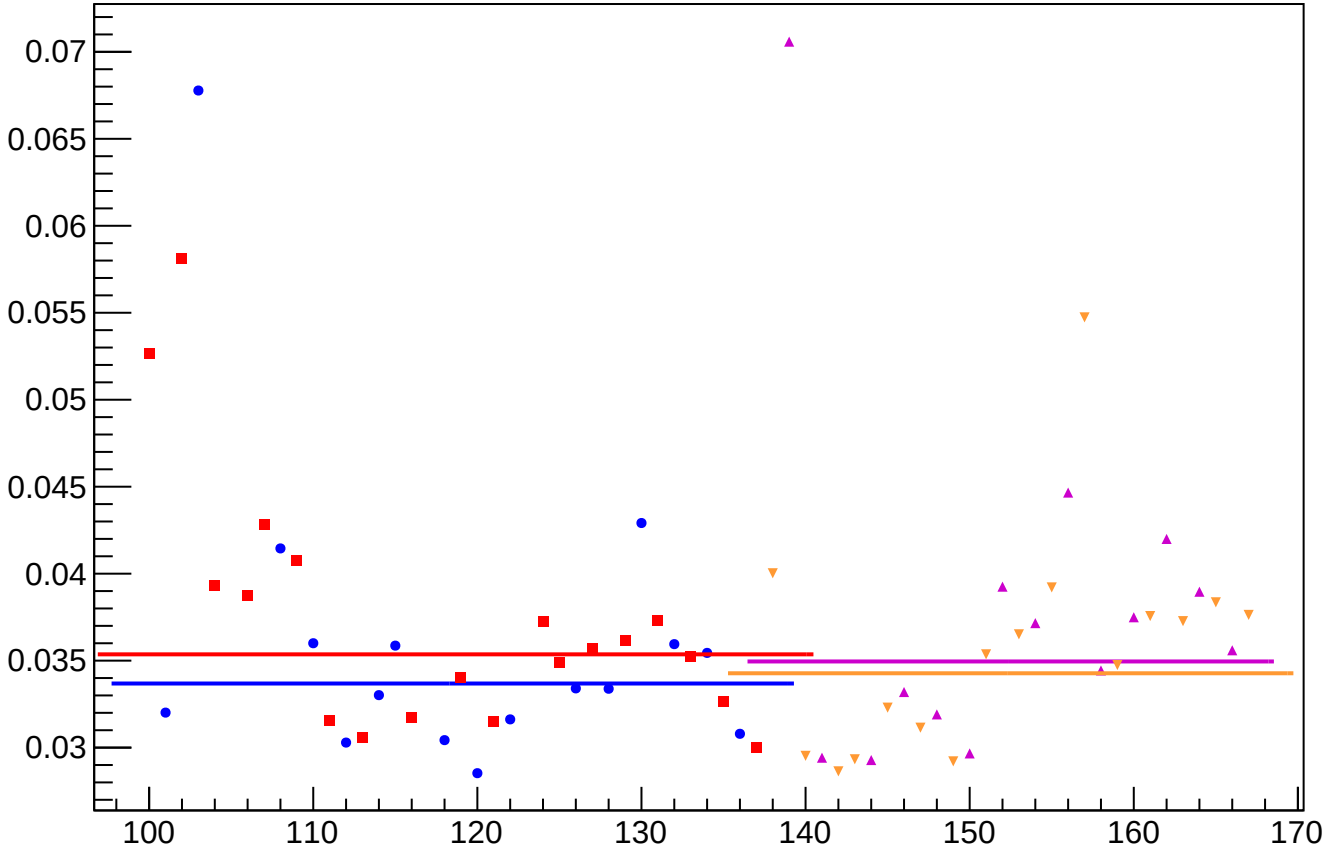
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.127+/-0.000 χ^2/NDF:6033986058.7/29

Out: -0.091+/-0.000 χ^2/NDF:6629840723.8/34

All: -0.108+/-0.000 χ^2/NDF: 12672889965.8/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:448002.2/15

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:745279.1/13

Left: 0.035+/-0.000 χ^2/NDF: 1197253.1/29

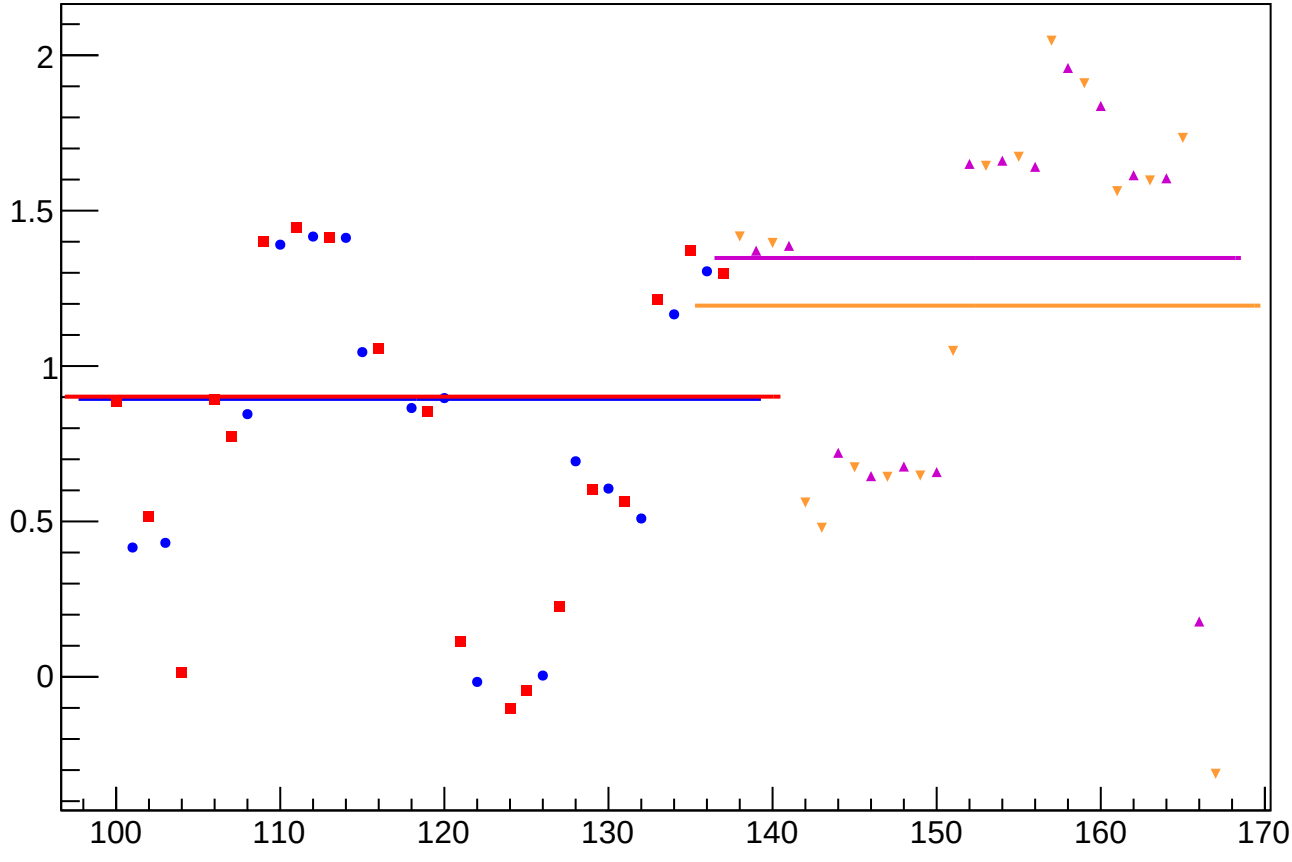
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:1176127.0/29

Out: 0.035+/-0.000 χ^2/NDF:752175.0/34

All: 0.035+/-0.000 χ^2/NDF: 1929031.2/64

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.194+/-0.000 χ^2/NDF:55562039820.0/15

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.348+/-0.000 χ^2/NDF:30473802563.2/13

Left: 1.267+/-0.000 χ^2/NDF: 87603887215.8/29

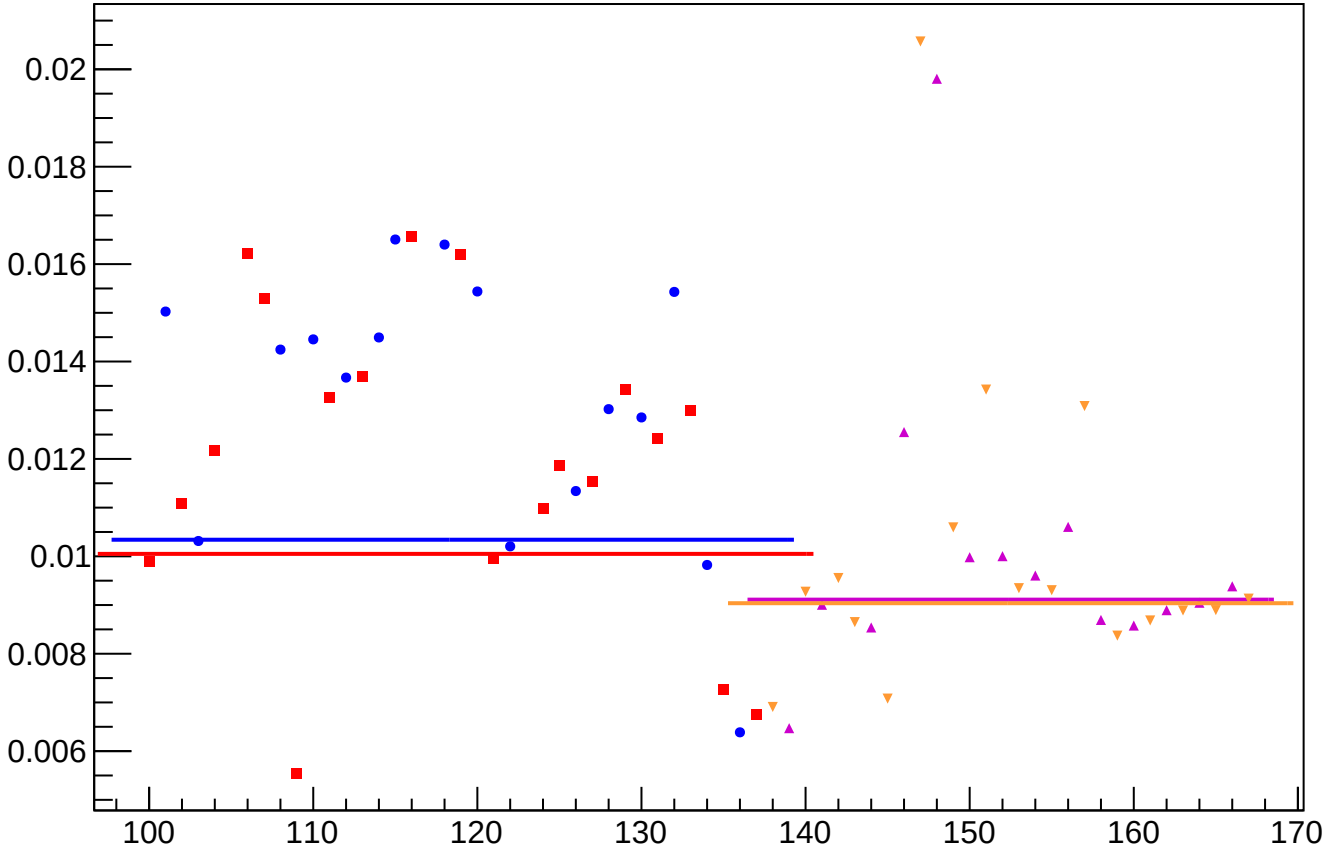
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.209+/-0.000 χ^2/NDF:51186065570.8/29

Out: 1.107+/-0.000 χ^2/NDF:77073709761.9/34

All: 1.155+/-0.000 χ^2/NDF: 129266717723.0

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1124010.3/15

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:918883.7/13

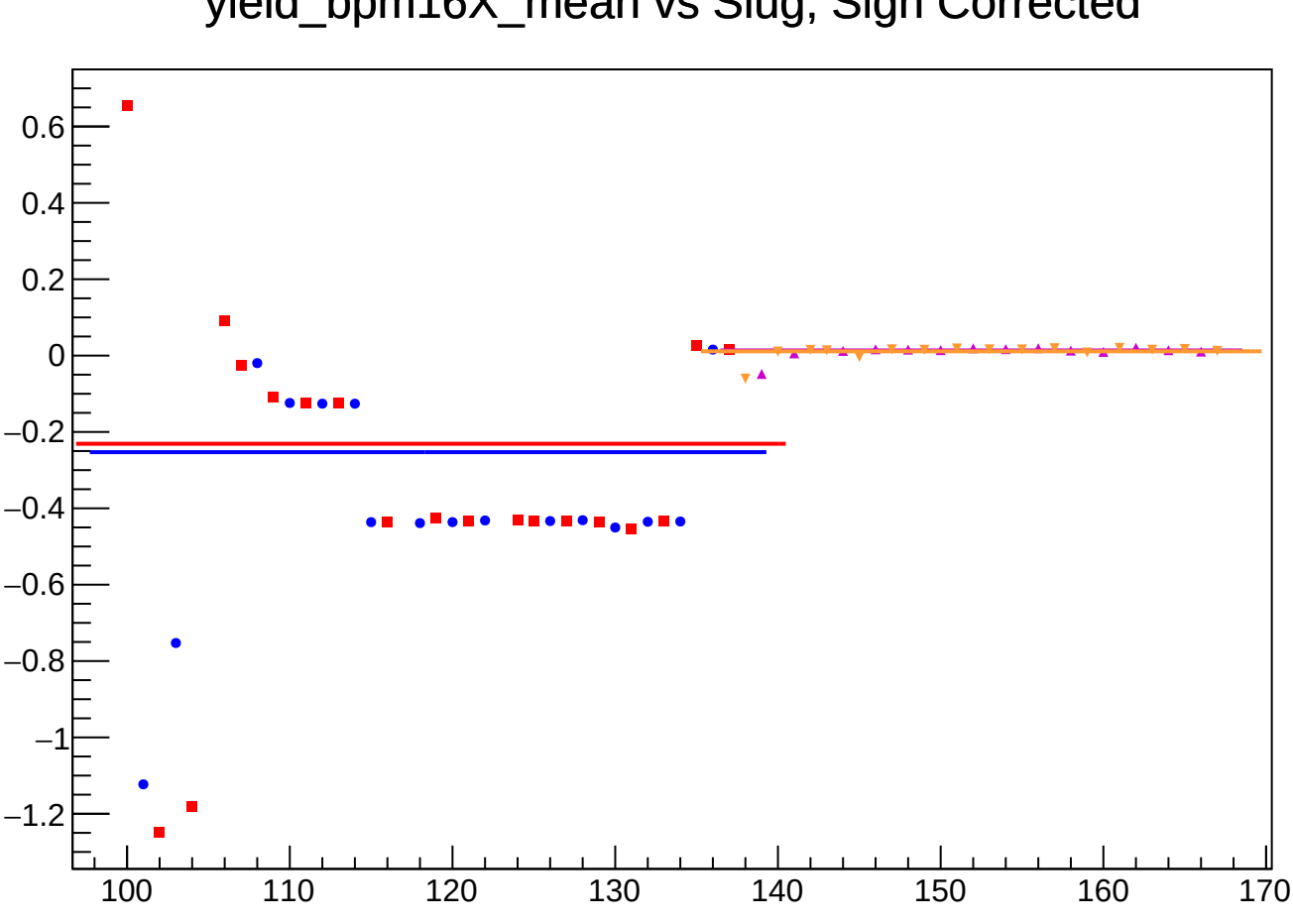
Left: 0.009+/-0.000 χ^2/NDF: 2043610.7/29

Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

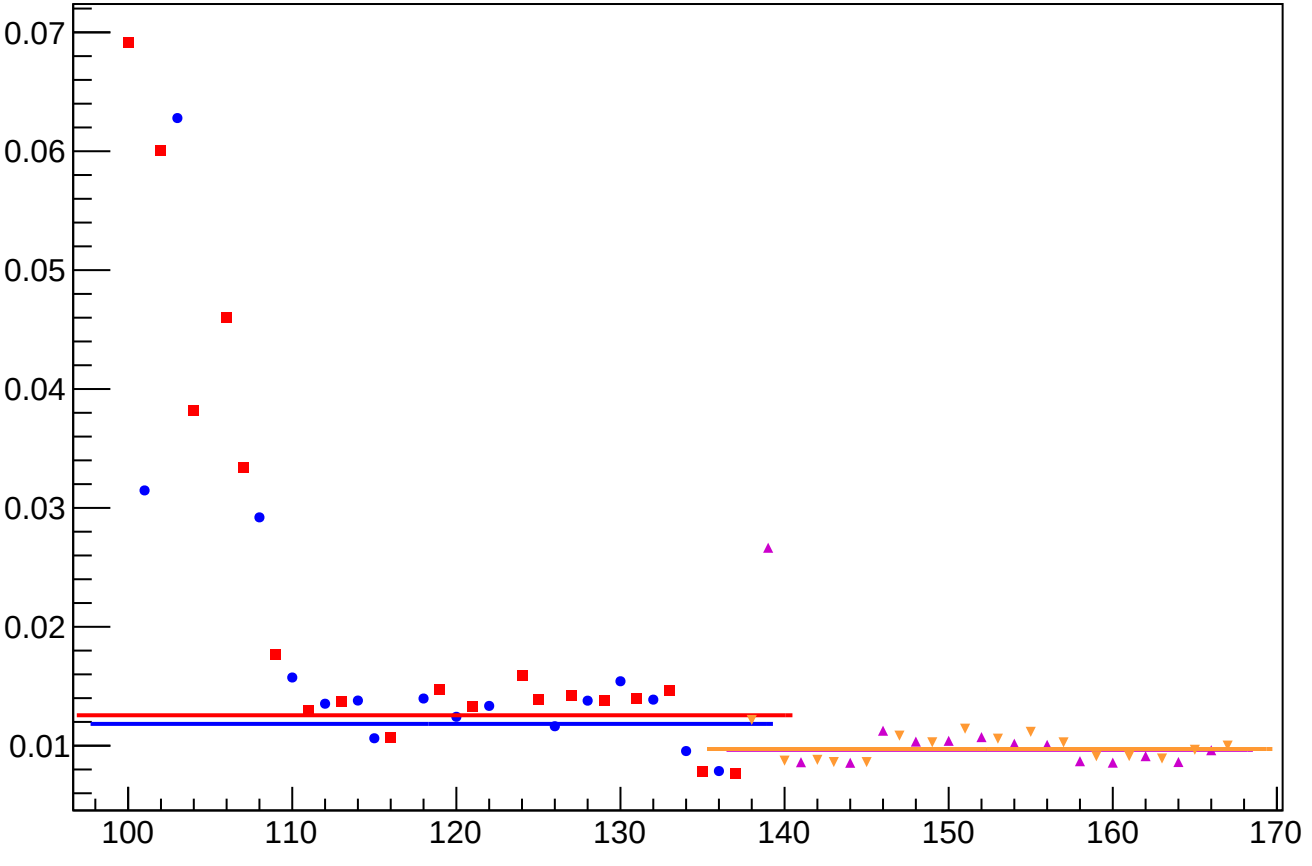
In: 0.009+/-0.000 χ^2/NDF:2386571.2/29

Out: 0.009+/-0.000 χ^2/NDF:2547463.3/34

All: 0.009+/-0.000 χ^2/NDF: 4938085.5/64


yield_bpm16X_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
Right In: -0.253+/-0.000 χ²/NDF: 2025242410.1/15
Left Out: 0.011+/-0.000 χ²/NDF:23090514.3/15
Right Out: -0.231+/-0.000 χ²/NDF: 1808702536.0/18
Left In: 0.014+/-0.000 χ²/NDF:6251863.4/13
Left: 0.012+/-0.000 χ²/NDF: 29611152.3/29
Right: -0.243+/-0.000 χ²/NDF: 3842049612.8/34
In: -0.056+/-0.000 χ²/NDF:3896133868.3/29
Out: -0.043+/-0.000 χ²/NDF:3278885483.9/34
All: -0.049+/-0.000 χ²/NDF: 7186970387.7/6

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:223287.6/15

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:845448.1/13

Left: 0.010+/-0.000 χ^2/NDF: 1069245.9/29

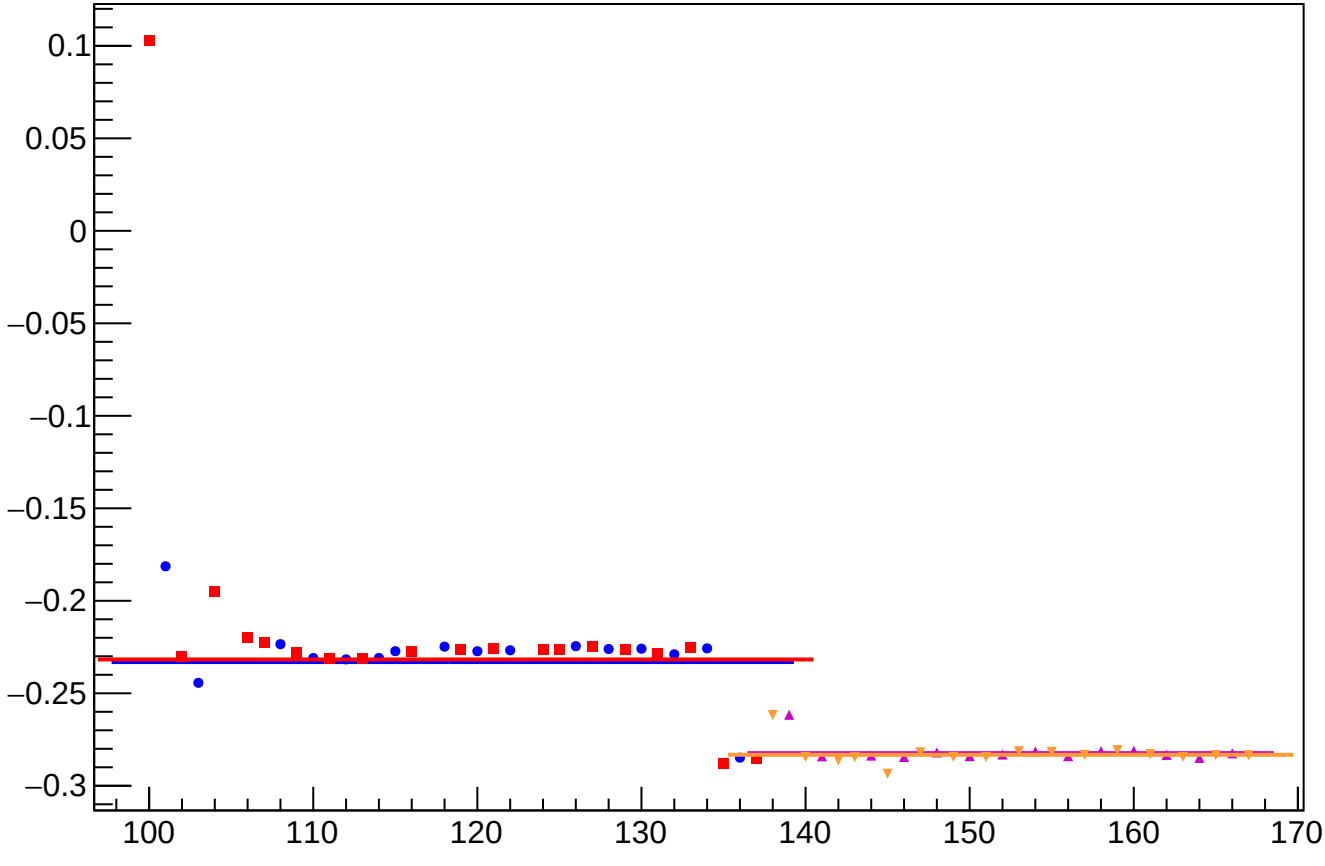
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3037964.8/29

Out: 0.010+/-0.000 χ^2/NDF:2837970.0/34

All: 0.010+/-0.000 χ^2/NDF: 5878451.7/64

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:15016093.4/15

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6480135.0/13

Left: -0.283+/-0.000 χ^2/NDF: 21671389.9/29

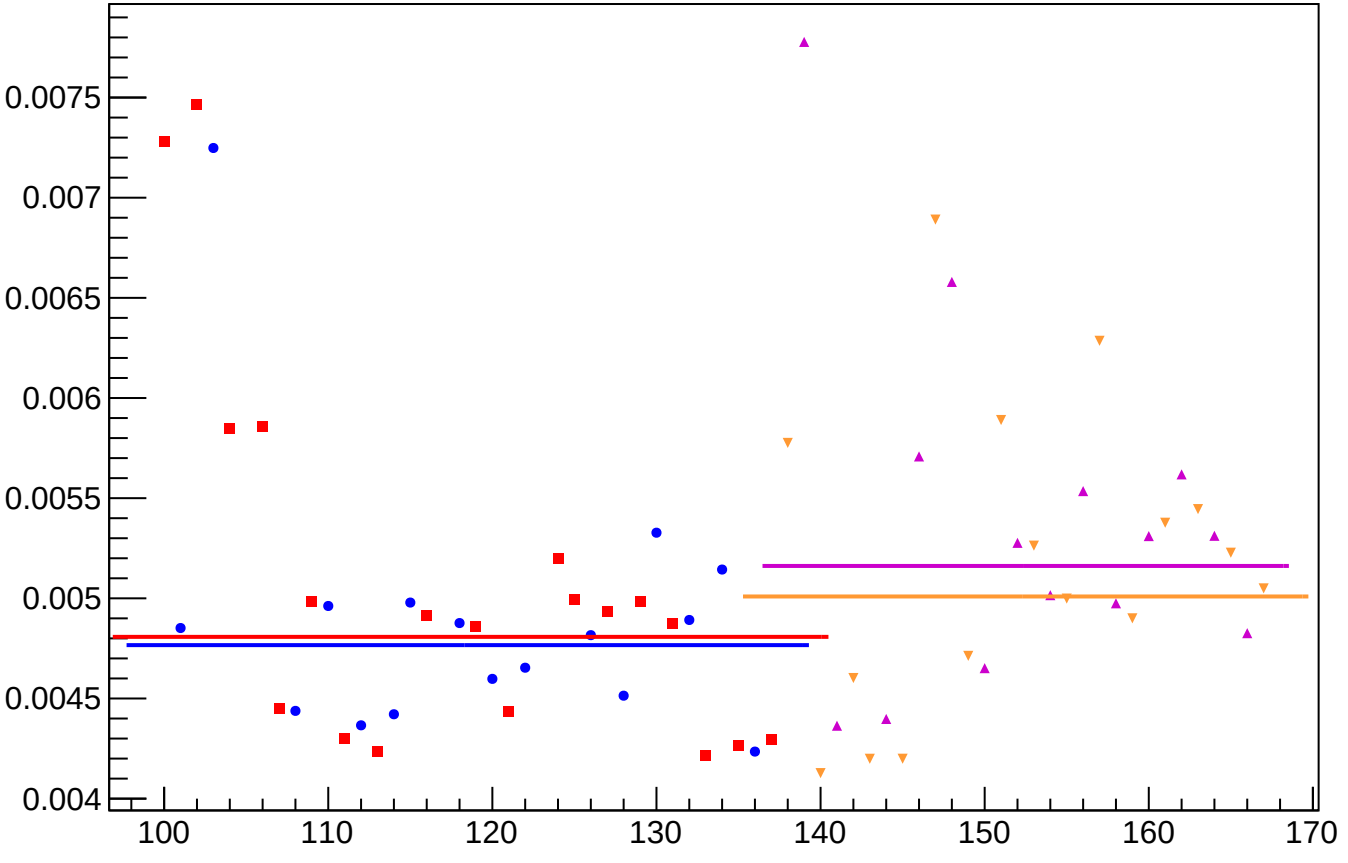
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.262+/-0.000 χ^2/NDF:608510509.2/29

Out: -0.263+/-0.000 χ^2/NDF:775747850.2/34

All: -0.263+/-0.000 χ^2/NDF: 1384968931.7/6

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:453218.0/15

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:423633.3/13

Left: 0.005+/-0.000 χ^2/NDF: 886840.4/29

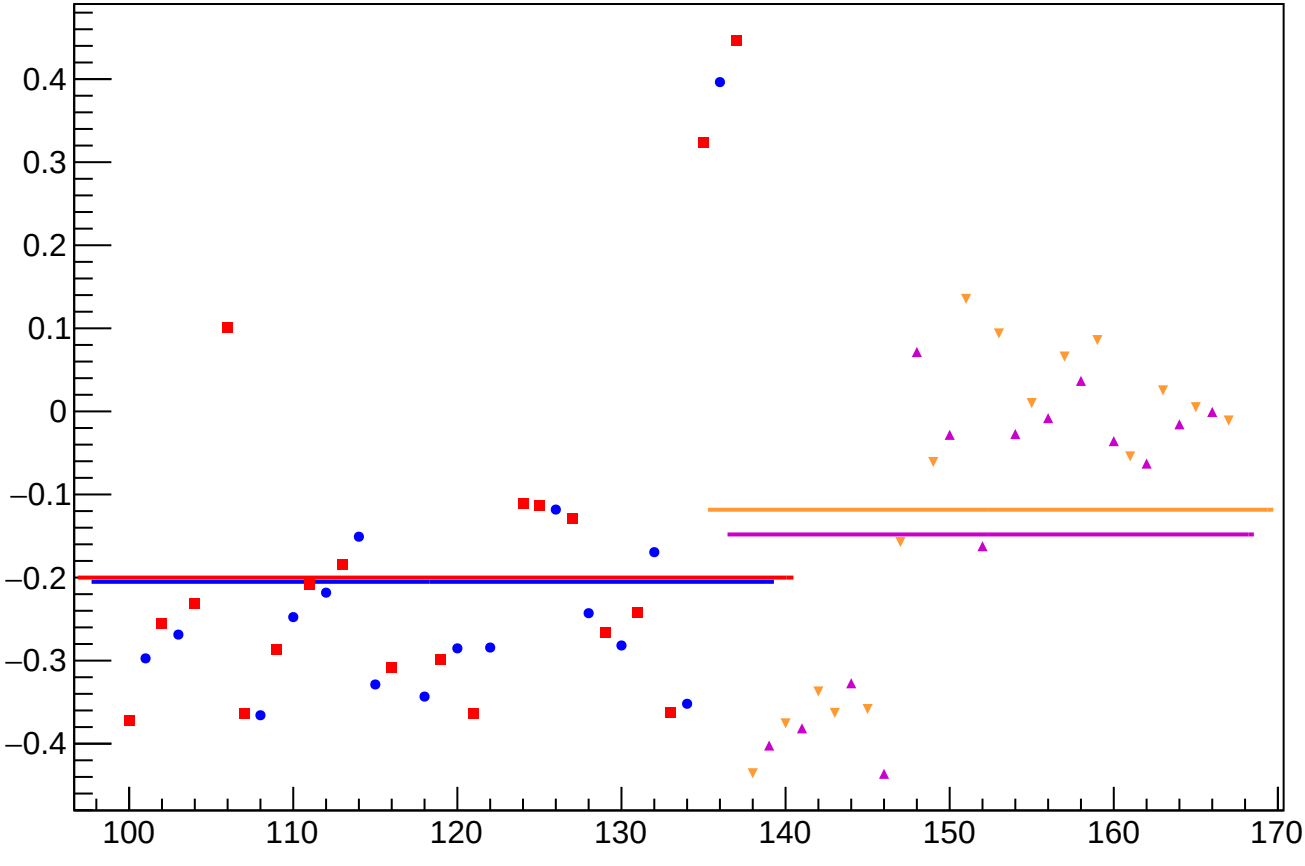
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:667317.3/29

Out: 0.005+/-0.000 χ^2/NDF:761444.9/34

All: 0.005+/-0.000 χ^2/NDF: 1431945.7/64

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.118+/-0.000 χ^2/NDF:15083258668.6/15

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.148+/-0.000 χ^2/NDF:10165926431.5/13

Left: -0.132+/-0.000 χ^2/NDF: 25407093425.3/29

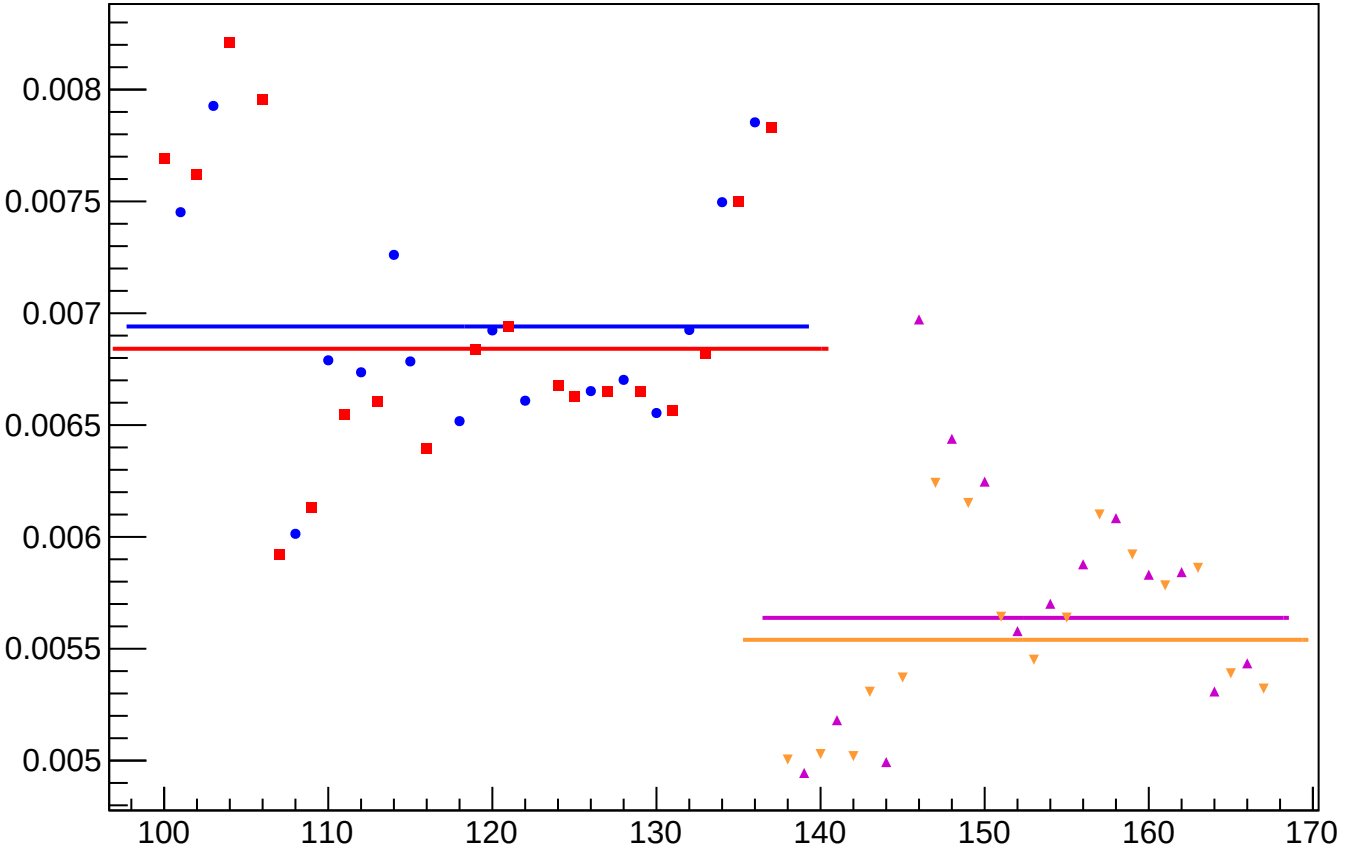
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.165+/-0.000 χ^2/NDF:16685245837.1/29

Out: -0.142+/-0.000 χ^2/NDF:21066761662.6/34

All: -0.153+/-0.000 χ^2/NDF: 37893939187.1/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:112458.9/15

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:185158.6/13

Left: 0.006+/-0.000 χ^2/NDF: 301054.4/29

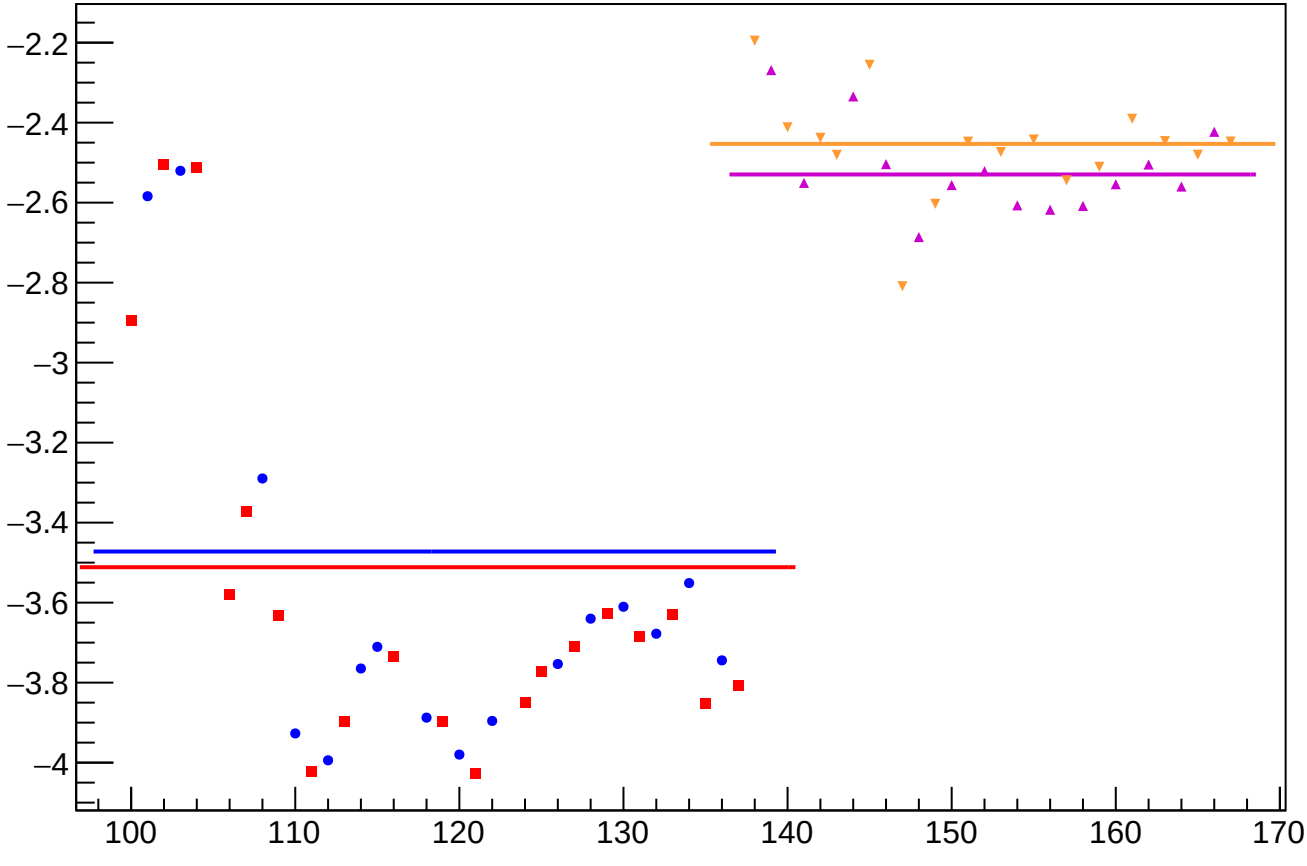
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:615095.8/29

Out: 0.006+/-0.000 χ^2/NDF:584518.2/34

All: 0.006+/-0.000 χ^2/NDF: 1207072.0/64

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.453+/-0.000 χ^2/NDF:1630804982.5/15

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.530+/-0.000 χ^2/NDF:1390539276.2/13

Left: -2.489+/-0.000 χ^2/NDF: 3452832000.1/29

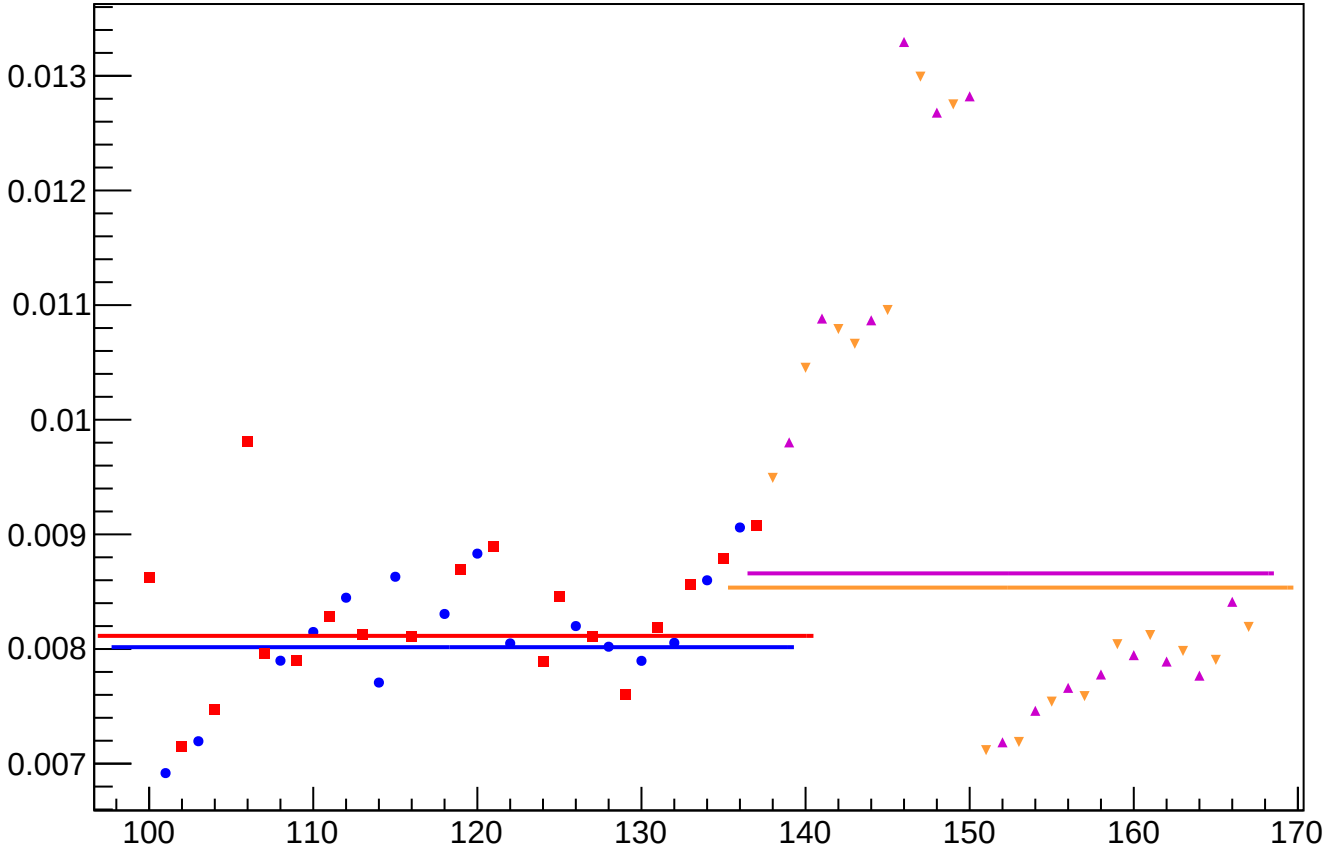
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.943+/-0.000 χ^2/NDF:85203033432.7/29

Out: -2.884+/-0.000 χ^2/NDF:103141478825.0/34

All: -2.912+/-0.000 χ^2/NDF: 188802234400.9

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:746322.8/15

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:845539.8/13

Left: 0.009+/-0.000 χ^2/NDF: 1594135.8/29

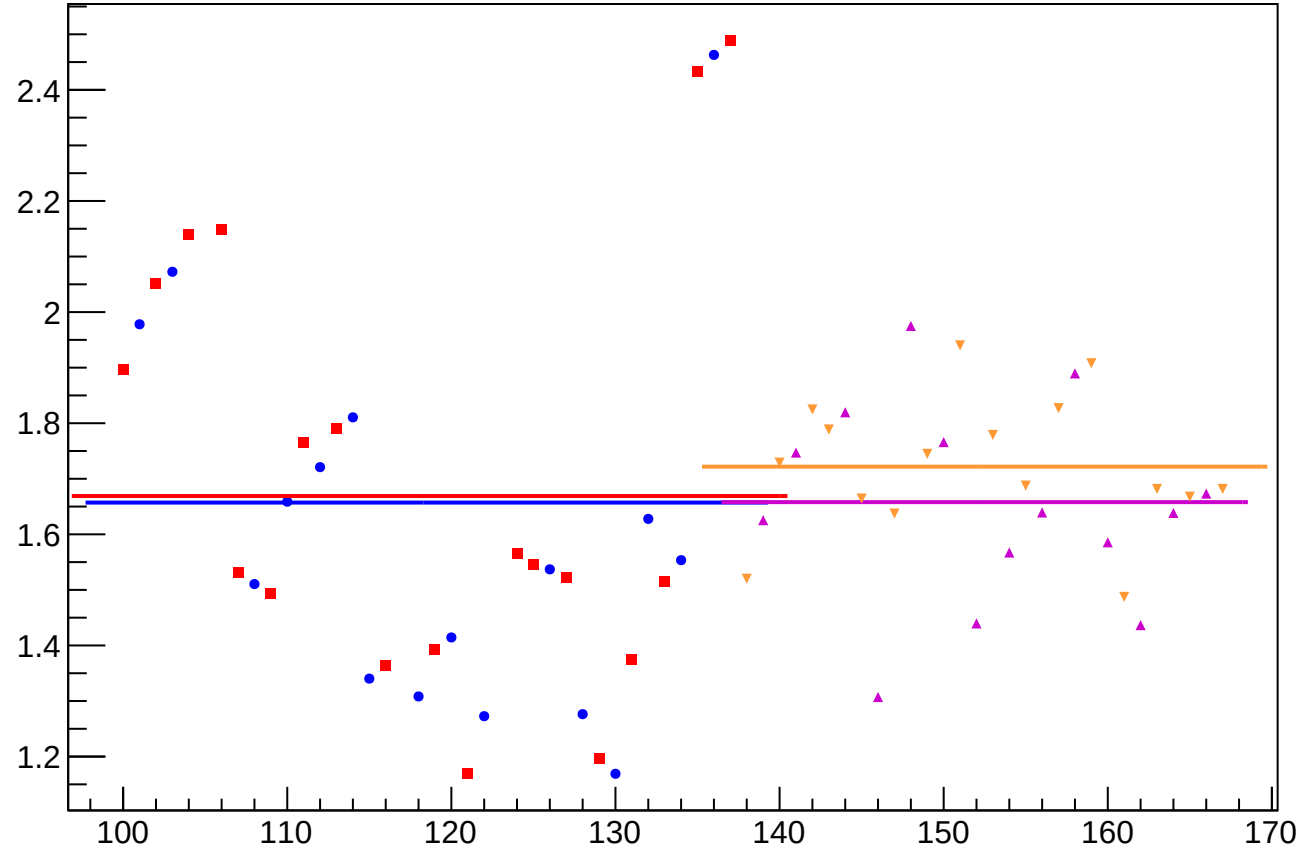
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:982343.7/29

Out: 0.008+/-0.000 χ^2/NDF:840128.7/34

All: 0.008+/-0.000 χ^2/NDF: 1822514.3/64

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.722+/-0.000 χ^2/NDF:1314618229.5/15

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.658+/-0.000 χ^2/NDF:2137572414.5/13

Left: 1.692+/-0.000 χ^2/NDF: 3622290877.6/29

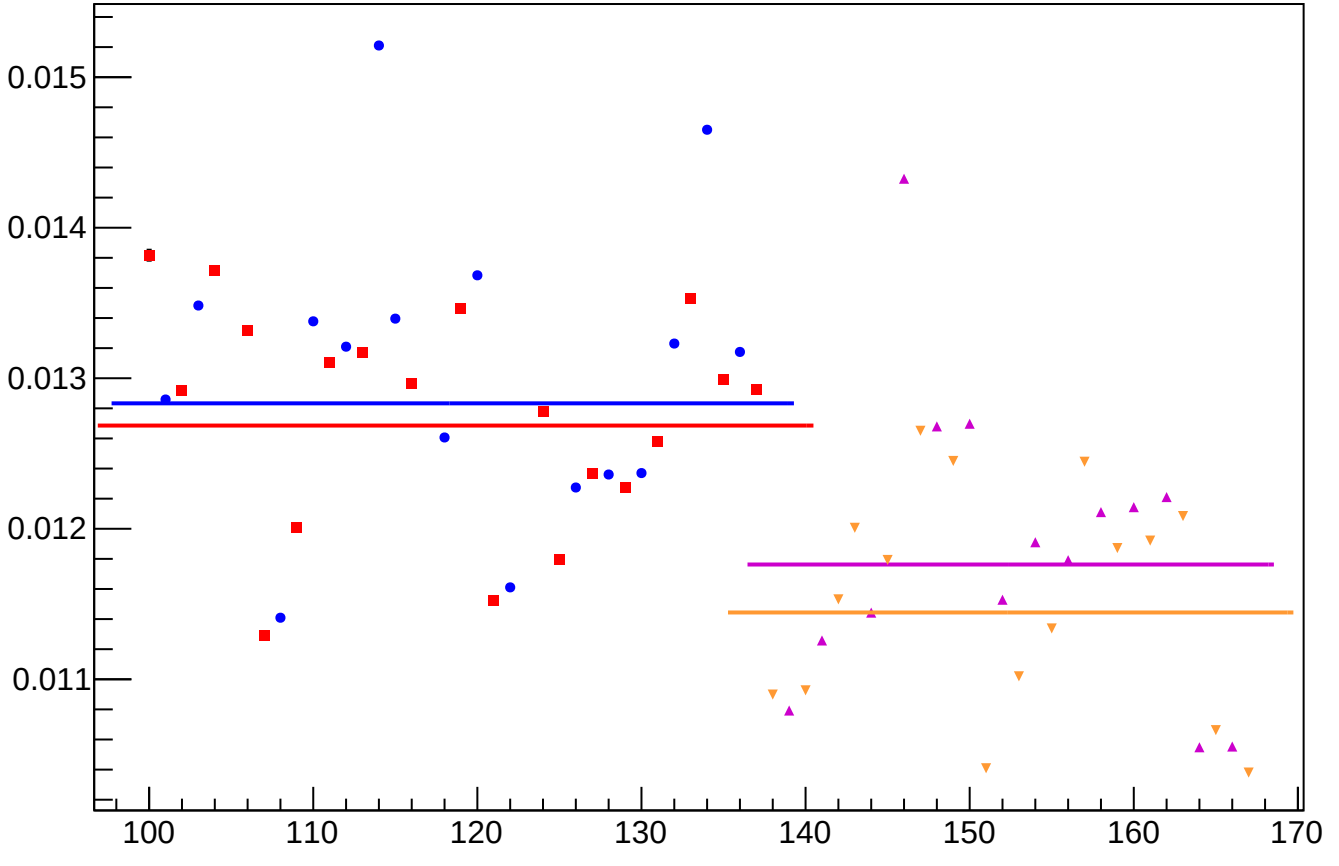
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.658+/-0.000 χ^2/NDF:8803743455.2/29

Out: 1.704+/-0.000 χ^2/NDF:7755985237.5/34

All: 1.682+/-0.000 χ^2/NDF: 16698038062.0/6

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:95450.2/15

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:120958.0/13

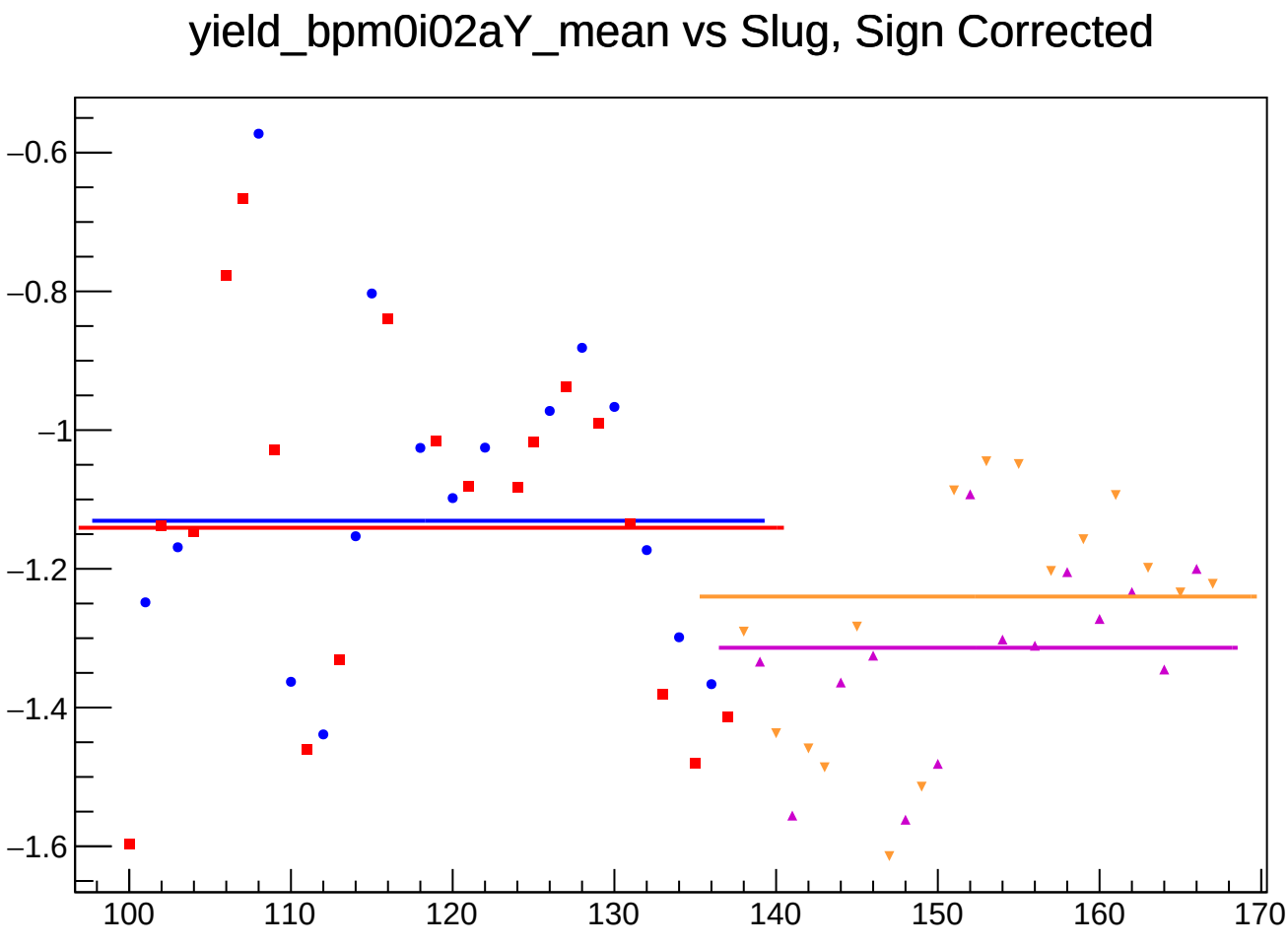
Left: 0.012+/-0.000 χ^2/NDF: 224888.6/29

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

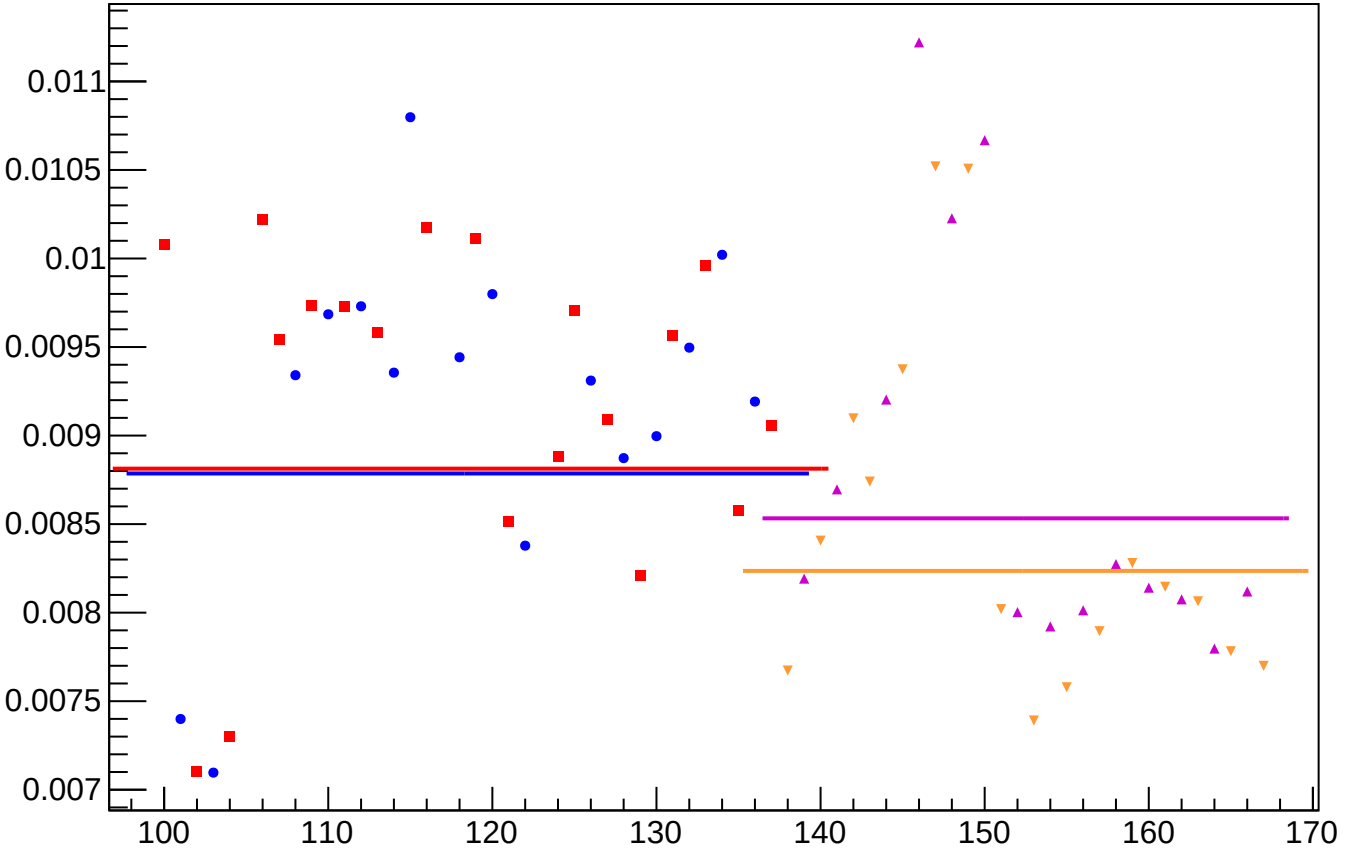
In: 0.012+/-0.000 χ^2/NDF:236492.4/29

Out: 0.012+/-0.000 χ^2/NDF:231241.3/34

All: 0.012+/-0.000 χ^2/NDF: 478286.7/64


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
170
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.240+/-0.000 χ²/NDF:4379605424.1/15
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.314+/-0.000 χ²/NDF:2263750811.7/13
Left: -1.274+/-0.000 χ²/NDF: 7071021150.5/29
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.244+/-0.000 χ²/NDF:7900838509.9/29
Out: -1.206+/-0.000 χ²/NDF:8500571361.2/34
All: -1.224+/-0.000 χ²/NDF: 16584754759.3/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:220702.1/15

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:240001.7/13

Left: 0.008+/-0.000 χ^2/NDF: 474535.2/29

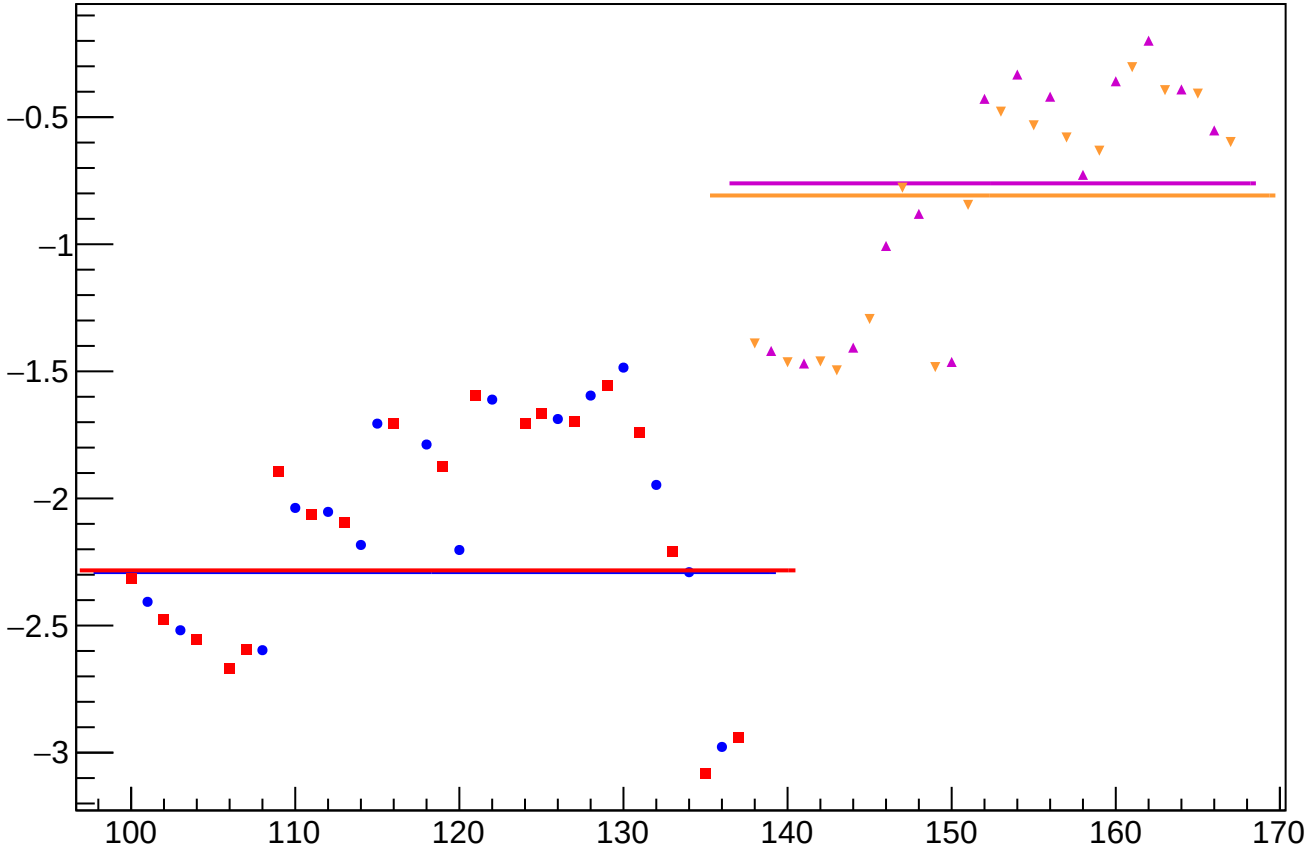
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:420554.2/29

Out: 0.008+/-0.000 χ^2/NDF:464234.7/34

All: 0.009+/-0.000 χ^2/NDF: 894082.5/64

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.808+/-0.000 χ^2/NDF:32352573413.0/15

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.760+/-0.000 χ^2/NDF:32474194716.1/13

Left: -0.786+/-0.000 χ^2/NDF: 65030128789.1/29

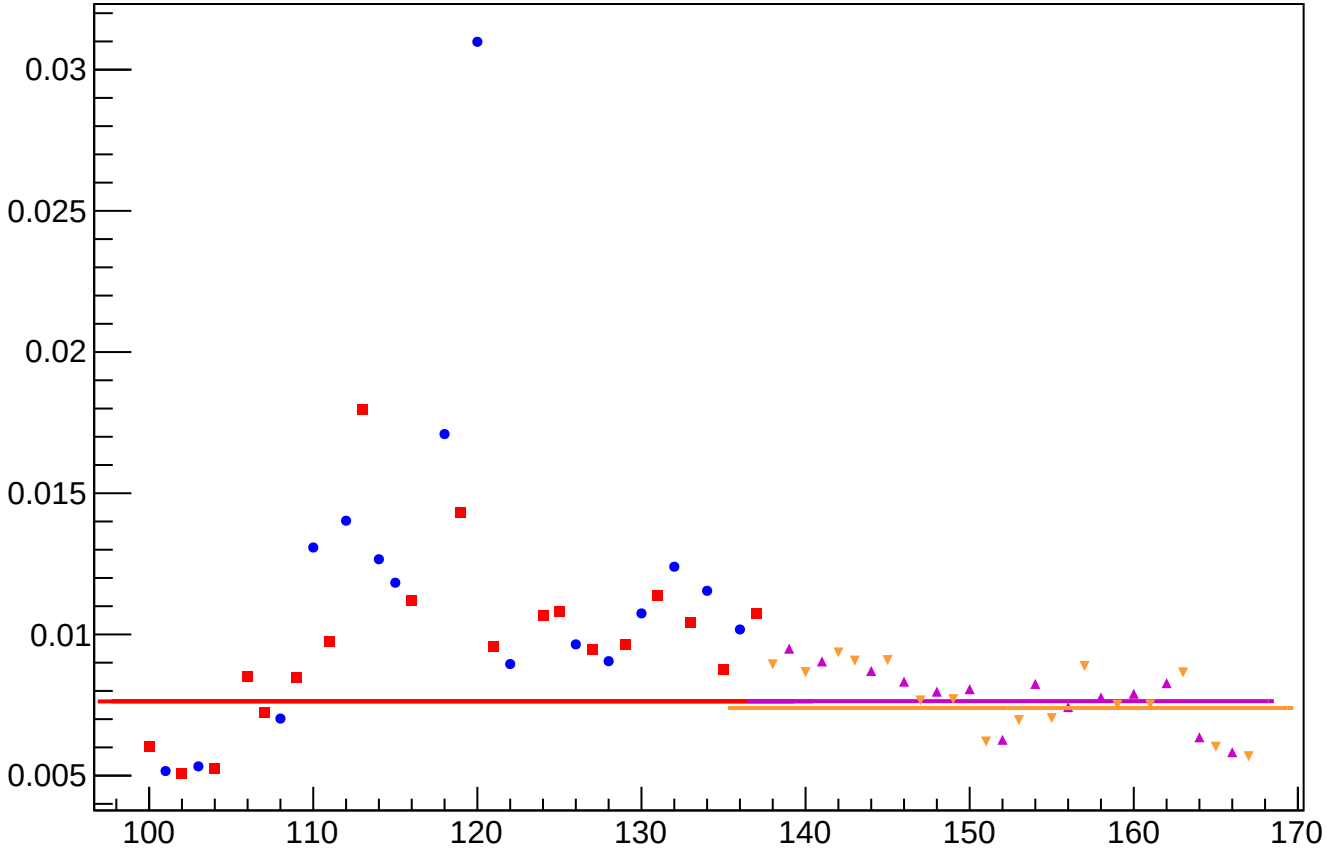
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.286+/-0.000 χ^2/NDF:181630402581.5/29

Out: -1.295+/-0.000 χ^2/NDF:188200323129.0/34

All: -1.291+/-0.000 χ^2/NDF: 369842010431.1

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:534096.8/15

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:376633.9/13

Left: 0.008+/-0.000 χ^2/NDF: 921193.5/29

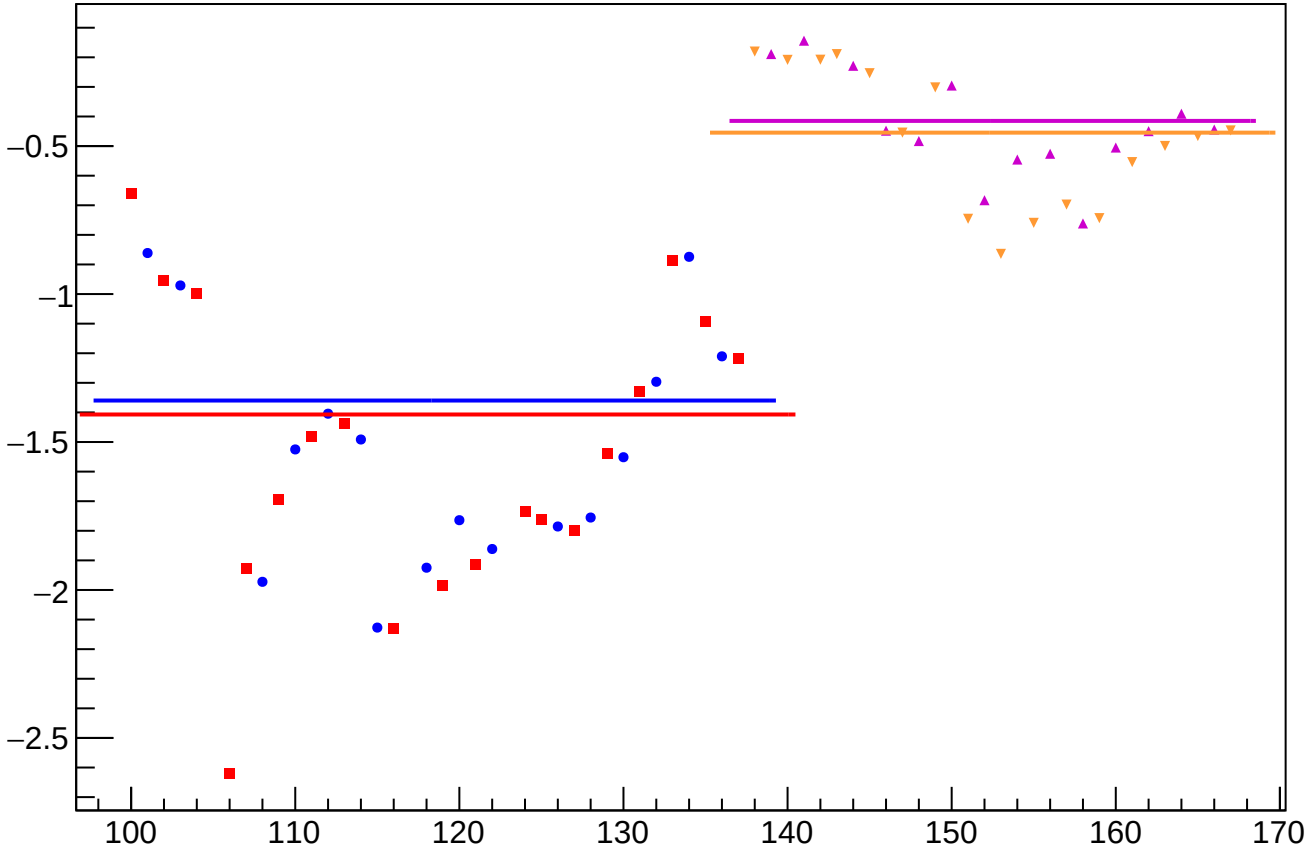
Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:2087434.4/29

Out: 0.007+/-0.000 χ^2/NDF:1858656.1/34

All: 0.008+/-0.000 χ^2/NDF: 3953322.1/64

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.455+/-0.000 χ^2/NDF:27896143681.1/15

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.415+/-0.000 χ^2/NDF:15521693753.4/13

Left: -0.436+/-0.000 χ^2/NDF: 43820647547.9/29

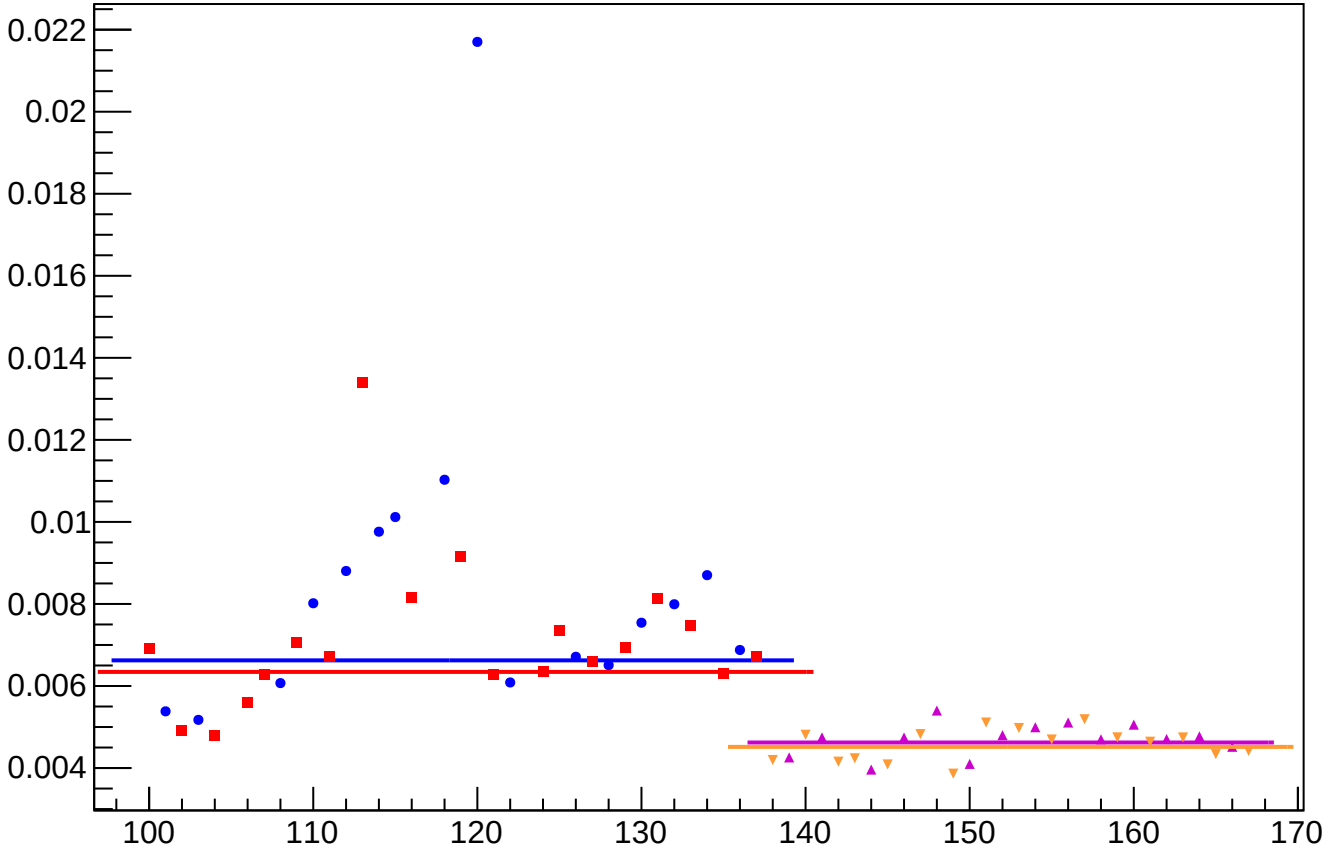
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.619+/-0.000 χ^2/NDF:129328722187.5/29

Out: -0.660+/-0.000 χ^2/NDF:165875503507.7/34

All: -0.641+/-0.000 χ^2/NDF: 295758575540.6

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:157853.2/15

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:149537.6/13

Left: 0.005+/-0.000 χ^2/NDF: 313259.6/29

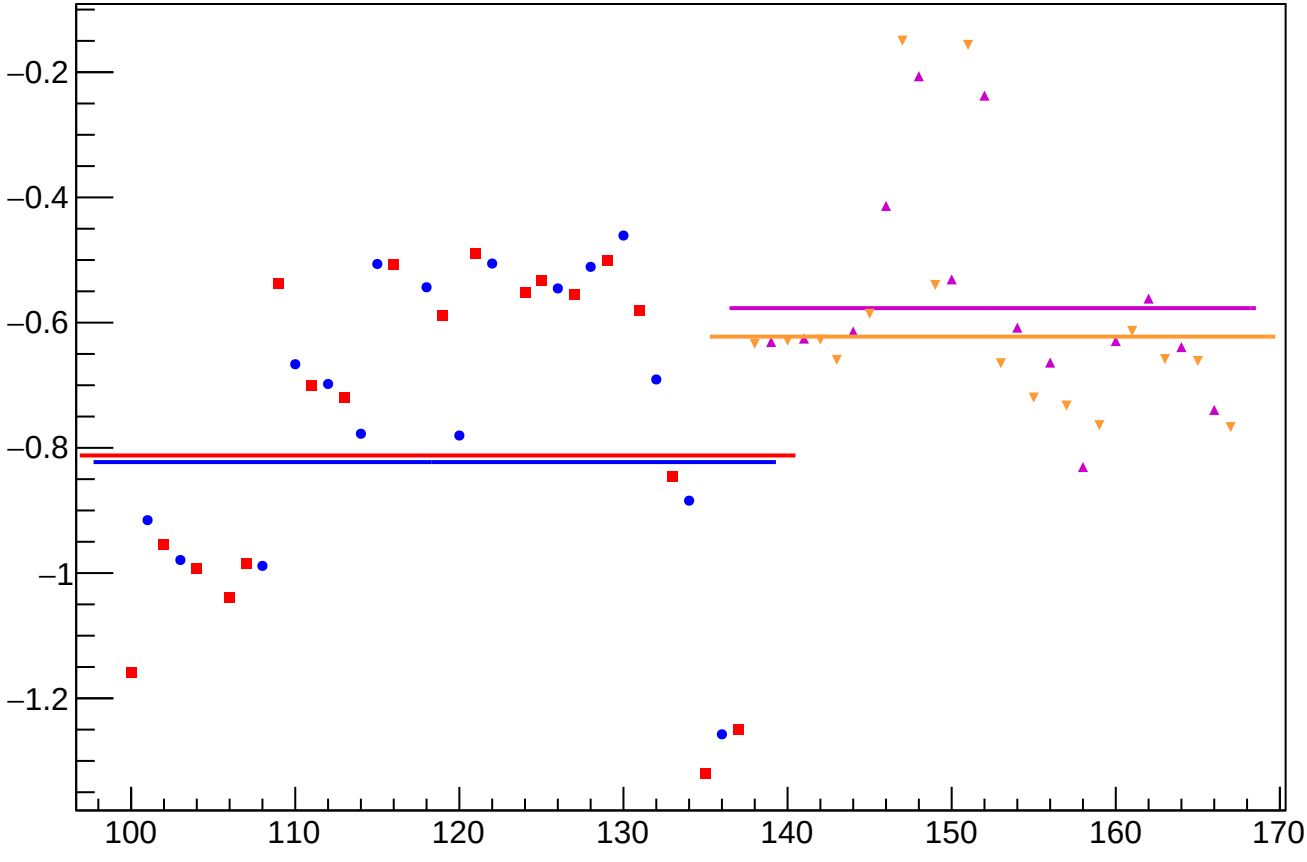
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1672350.2/29

Out: 0.005+/-0.000 χ^2/NDF:1483677.7/34

All: 0.005+/-0.000 χ^2/NDF: 3169751.8/64

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.622+/-0.000 χ^2/NDF:16145928921.2/15

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.577+/-0.000 χ^2/NDF:13743376811.3/13

Left: -0.602+/-0.000 χ^2/NDF: 30381463211.7/29

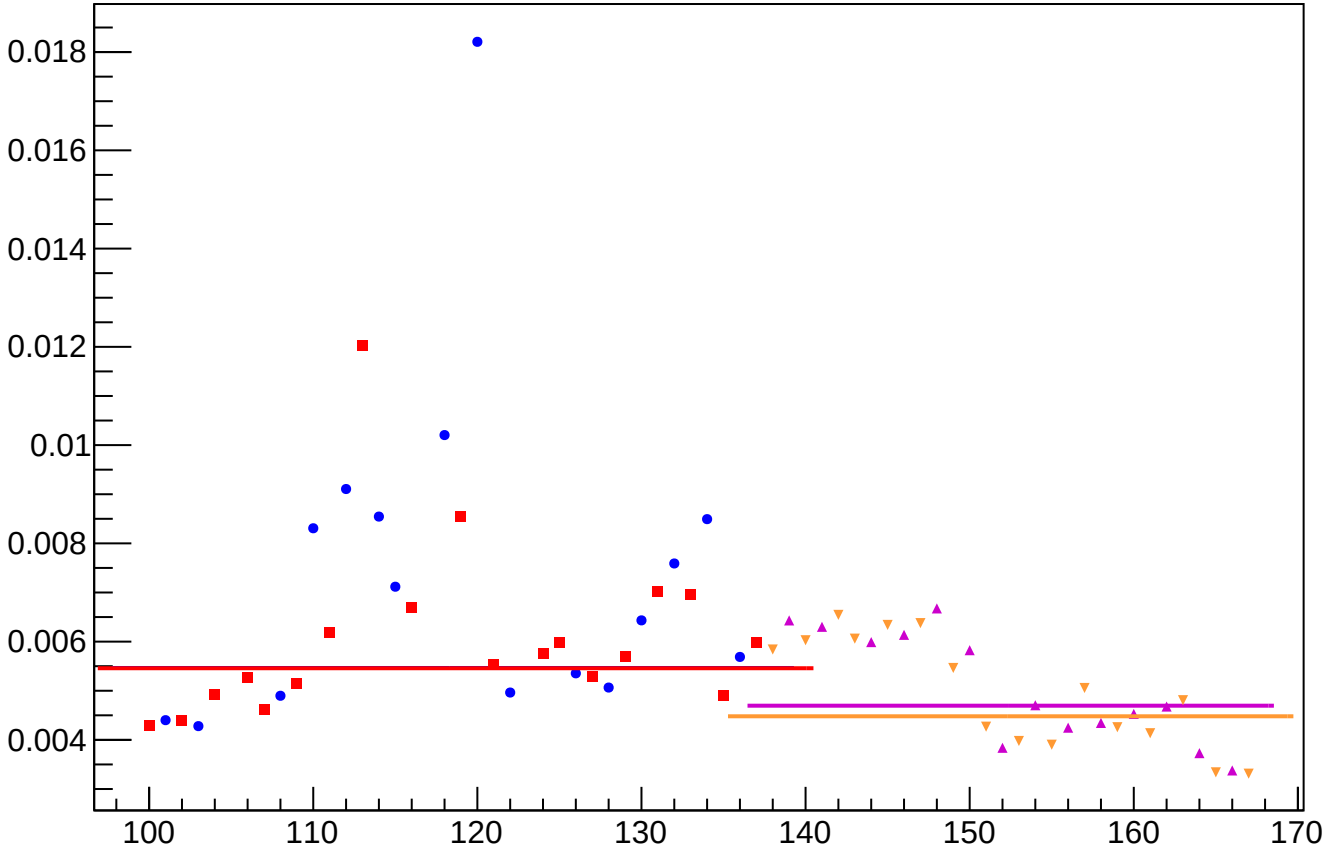
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.650+/-0.000 χ^2/NDF:33824139017.8/29

Out: -0.675+/-0.000 χ^2/NDF:36213885781.7/34

All: -0.663+/-0.000 χ^2/NDF: 70255735305.0/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1065294.1/15

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:909793.6/13

Left: 0.005+/-0.000 χ^2/NDF: 1997262.3/29

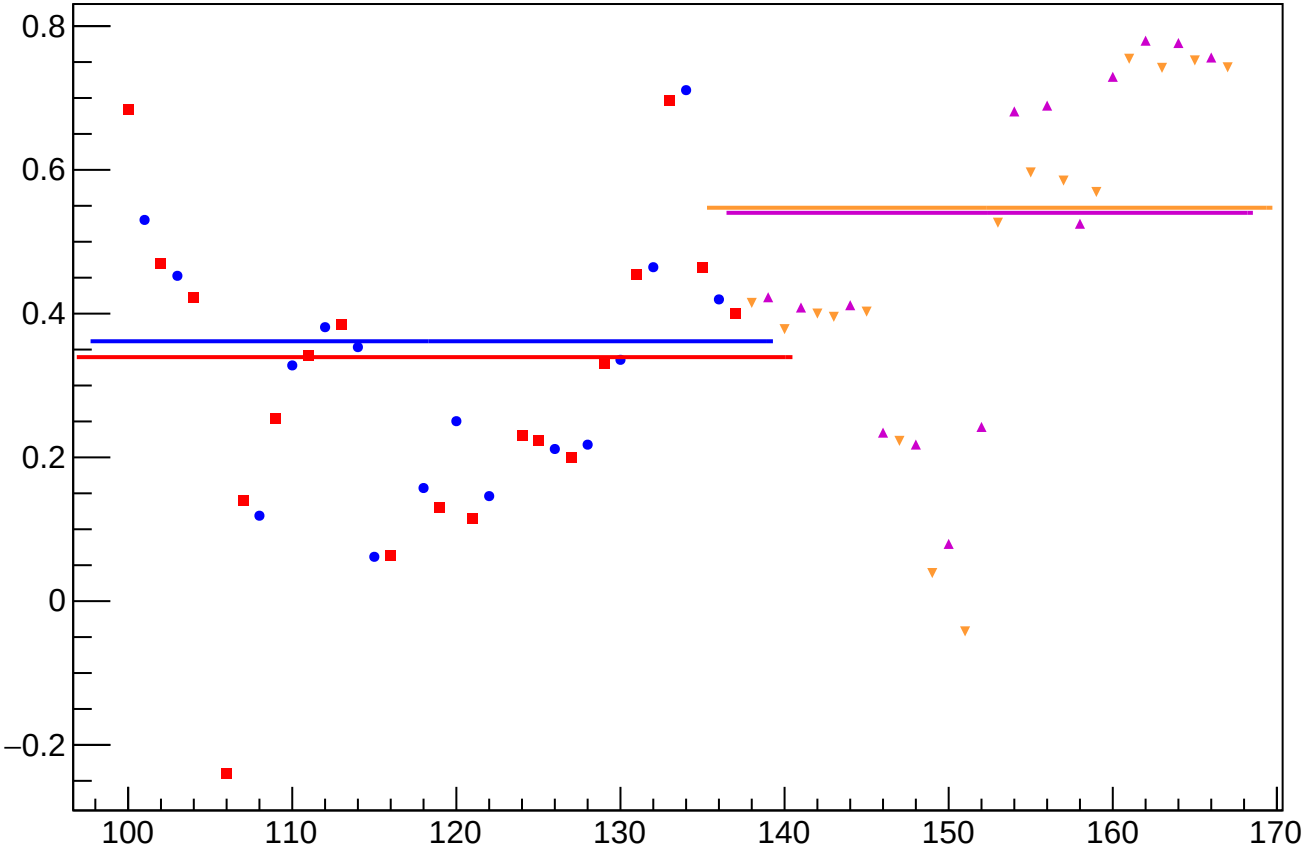
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:2024291.3/29

Out: 0.005+/-0.000 χ^2/NDF:1851426.5/34

All: 0.005+/-0.000 χ^2/NDF: 3895180.3/64

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.547+/-0.000 χ^2/NDF:37583202816.3/15

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.540+/-0.000 χ^2/NDF:30997744125.7/13

Left: 0.544+/-0.000 χ^2/NDF: 68598331825.3/29

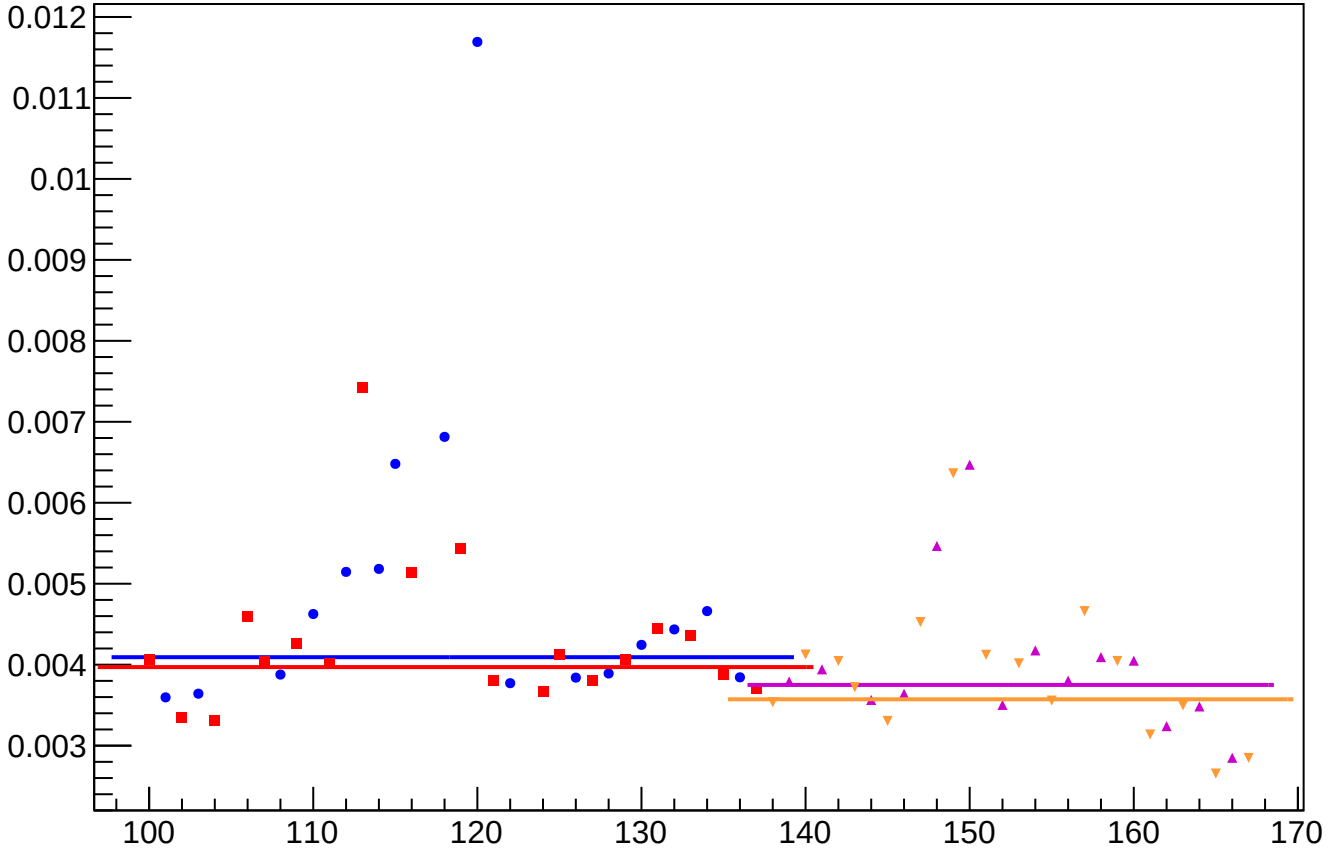
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.475+/-0.000 χ^2/NDF:47189838306.5/29

Out: 0.475+/-0.000 χ^2/NDF:61133380133.5/34

All: 0.475+/-0.000 χ^2/NDF: 108323254378.6

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:738635.1/15

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:569420.5/13

Left: 0.004+/-0.000 χ^2/NDF: 1329904.0/29

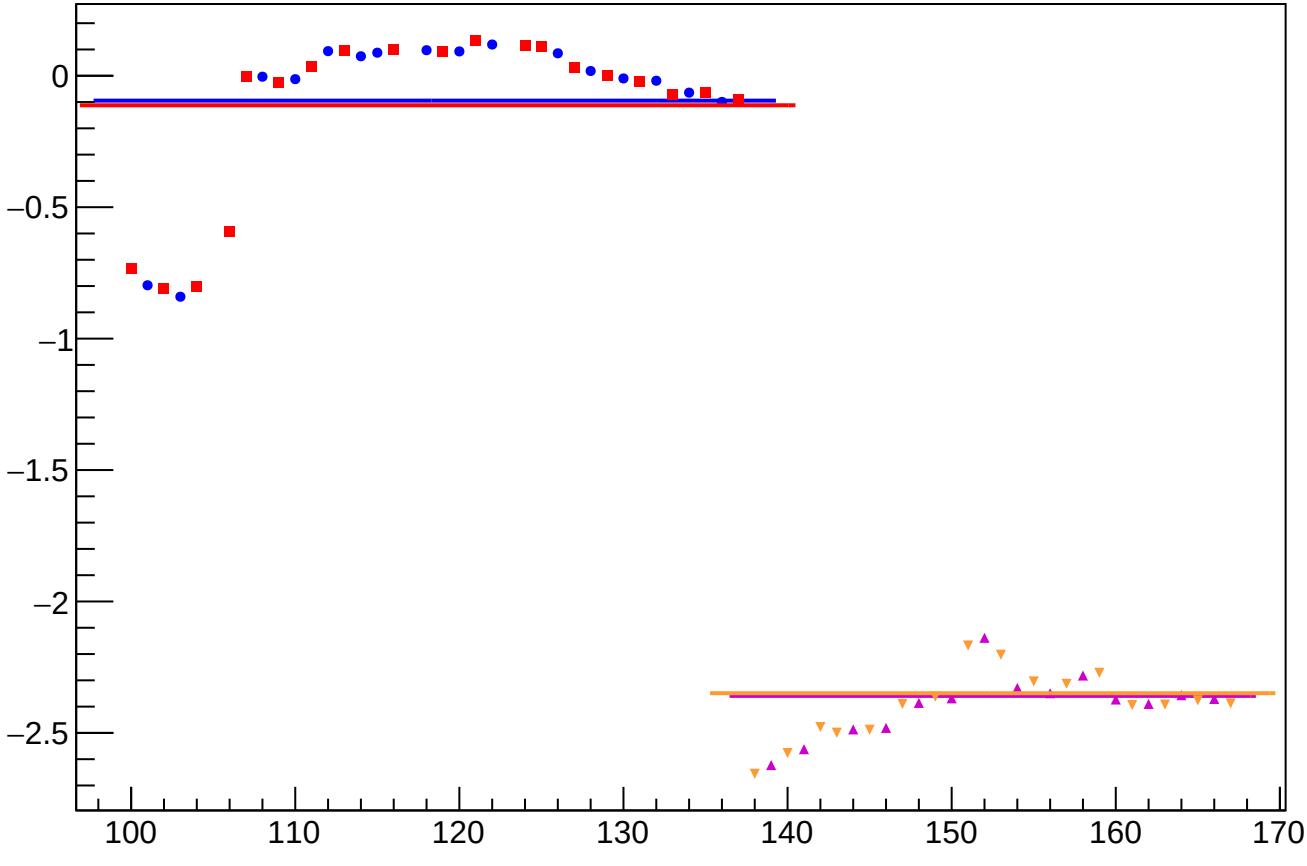
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1115682.4/29

Out: 0.004+/-0.000 χ^2/NDF:1136386.2/34

All: 0.004+/-0.000 χ^2/NDF: 2281302.2/64

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.349+/-0.000 χ^2/NDF:1671818904.0/15

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.359+/-0.000 χ^2/NDF:1283059924.4/13

Left: -2.354+/-0.000 χ^2/NDF: 2960881336.4/29

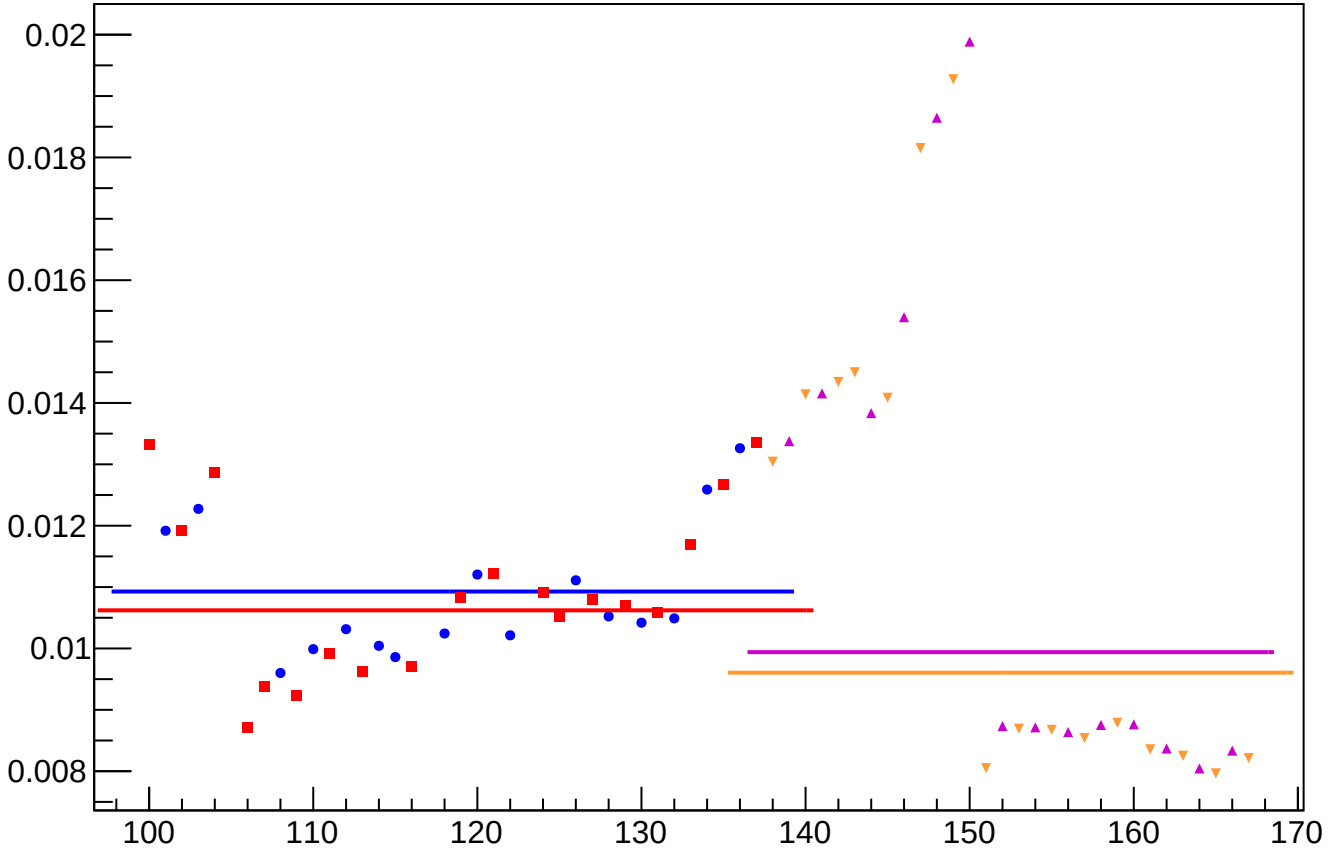
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.549+/-0.000 χ^2/NDF:203153691732.2/29

Out: -1.584+/-0.000 χ^2/NDF:222922095368.4/34

All: -1.567+/-0.000 χ^2/NDF: 426186105085.6

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1821152.7/15

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1775382.8/13

Left: 0.010+/-0.000 χ^2/NDF: 3609432.9/29

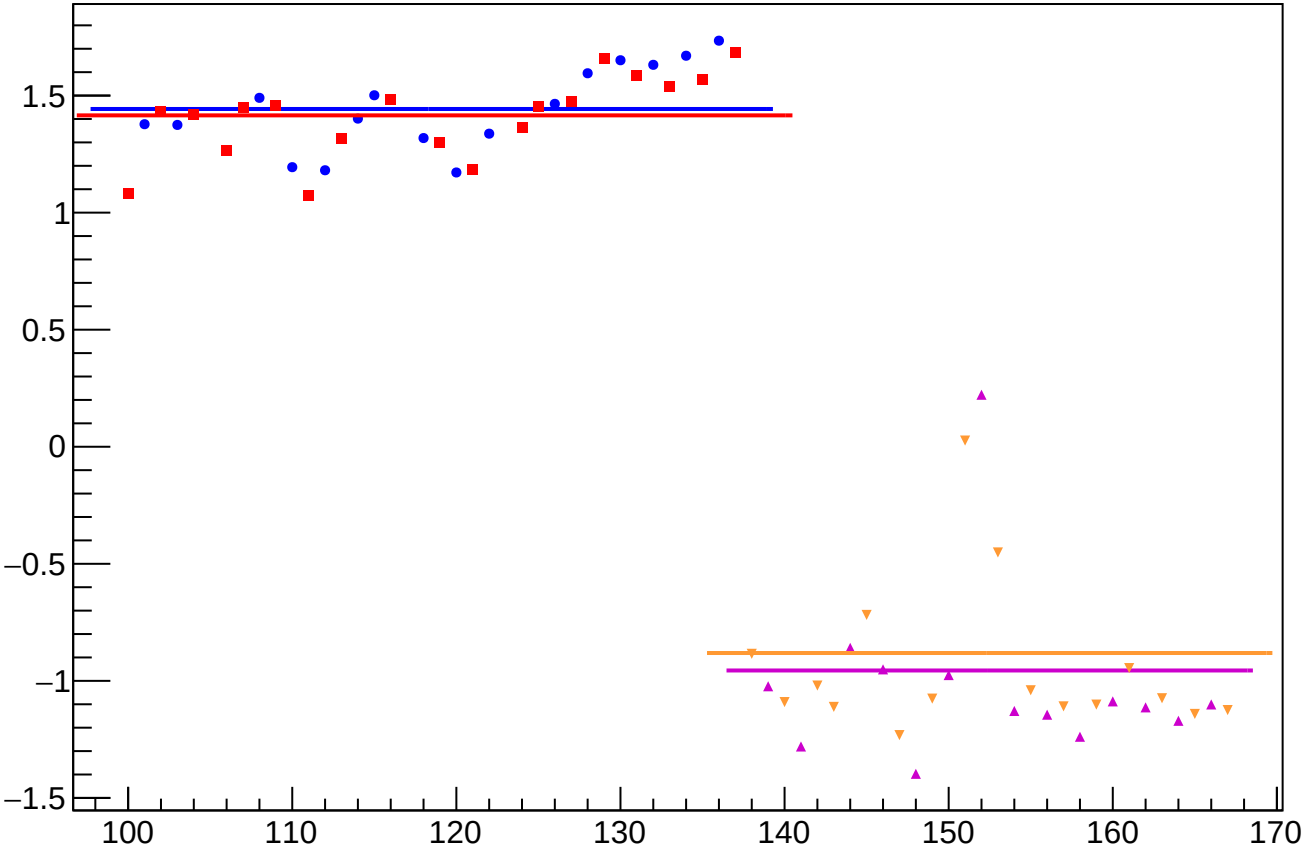
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:1986579.0/29

Out: 0.010+/-0.000 χ^2/NDF:2100370.9/34

All: 0.010+/-0.000 χ^2/NDF: 4107542.6/64

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.881+/-0.000 χ^2/NDF:30199124857.0/15

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.956+/-0.000 χ^2/NDF:39715723755.8/13

Left: -0.916+/-0.000 χ^2/NDF: 70480309959.2/29

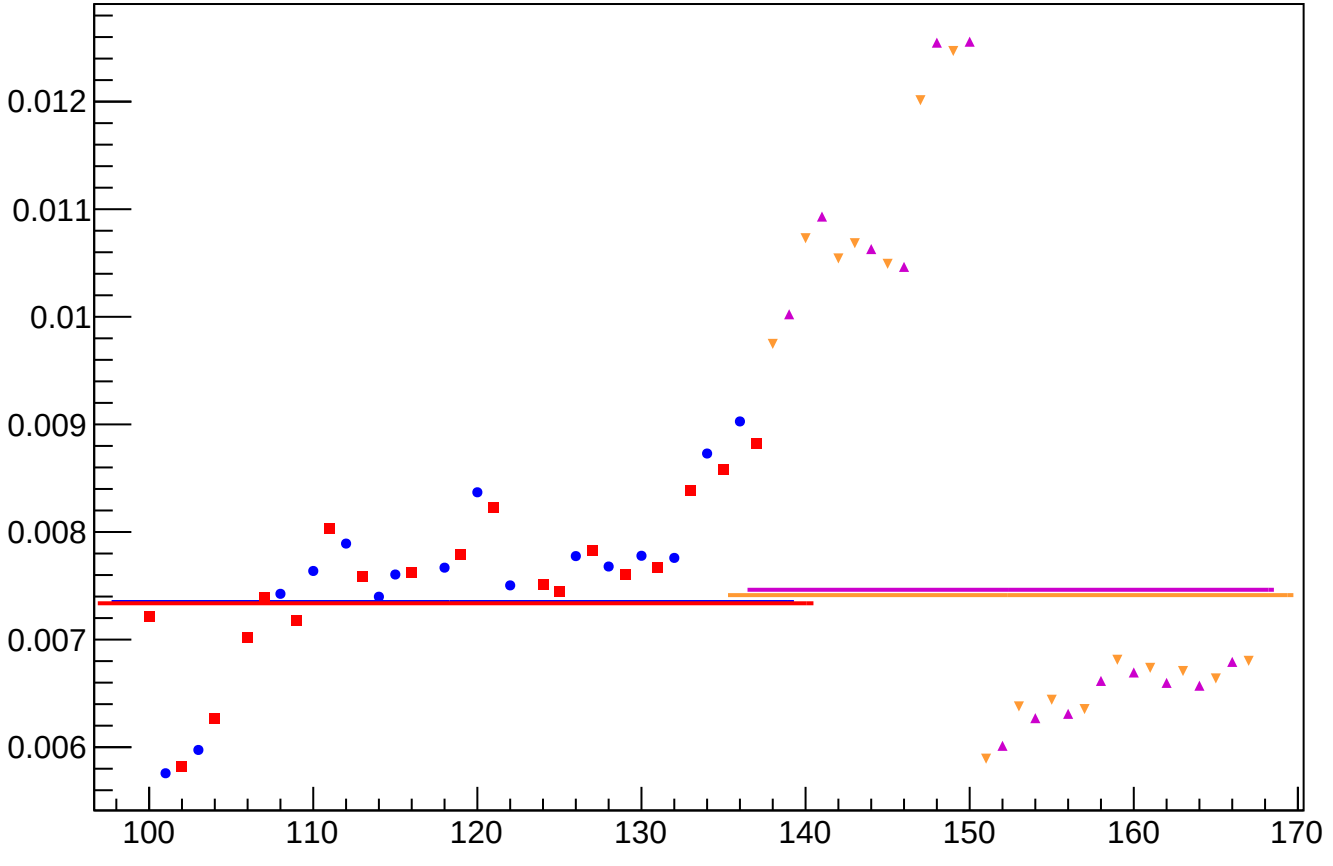
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.014+/-0.000 χ^2/NDF:491674070899.0/29

Out: 0.013+/-0.000 χ^2/NDF:473848932049.4/34

All: 0.014+/-0.000 χ^2/NDF: 965523090429.7

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1447337.7/15

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1491438.3/13

Left: 0.007+/-0.000 χ^2/NDF: 2939278.0/29

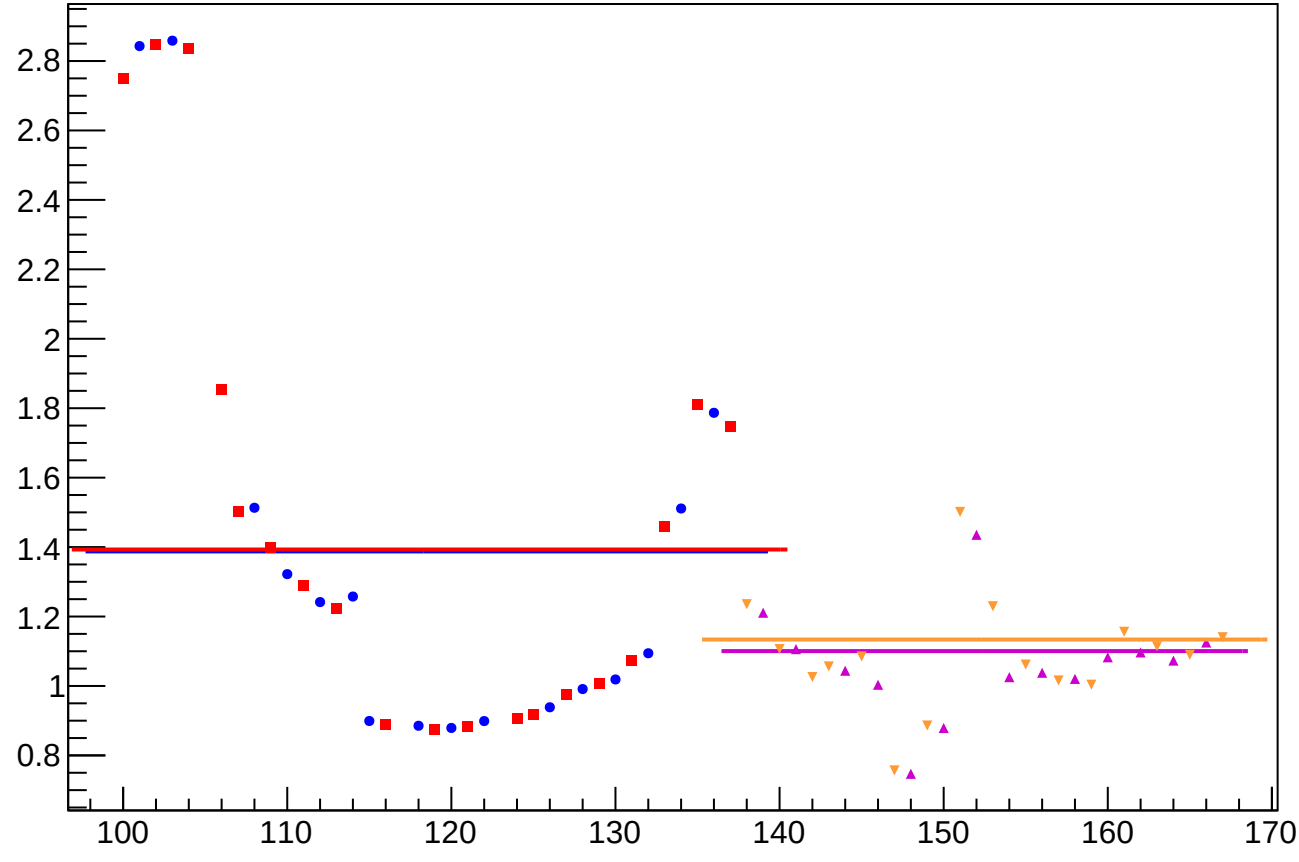
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1764316.8/29

Out: 0.007+/-0.000 χ^2/NDF:1643671.2/34

All: 0.007+/-0.000 χ^2/NDF: 3408361.1/64

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.134+/-0.000 χ^2/NDF:5347244102.5/15

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.100+/-0.000 χ^2/NDF:4161880592.9/13

Left: 1.118+/-0.000 χ^2/NDF: 9625924651.7/29

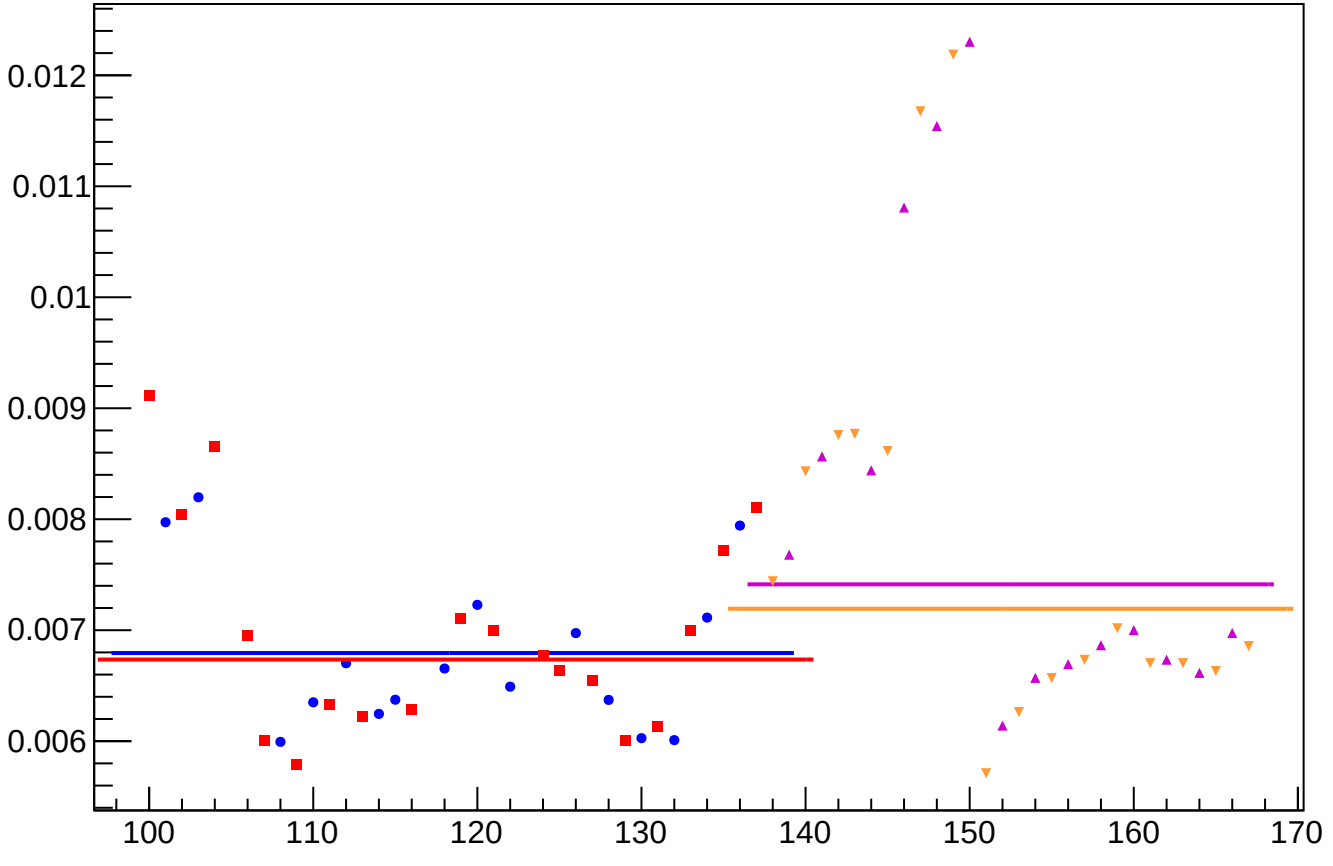
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.227+/-0.000 χ^2/NDF:69884864525.8/29

Out: 1.242+/-0.000 χ^2/NDF:67079165631.5/34

All: 1.235+/-0.000 χ^2/NDF: 137005328362.9

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:824973.1/15

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:855459.1/13

Left: 0.007+/-0.000 χ^2/NDF: 1690651.7/29

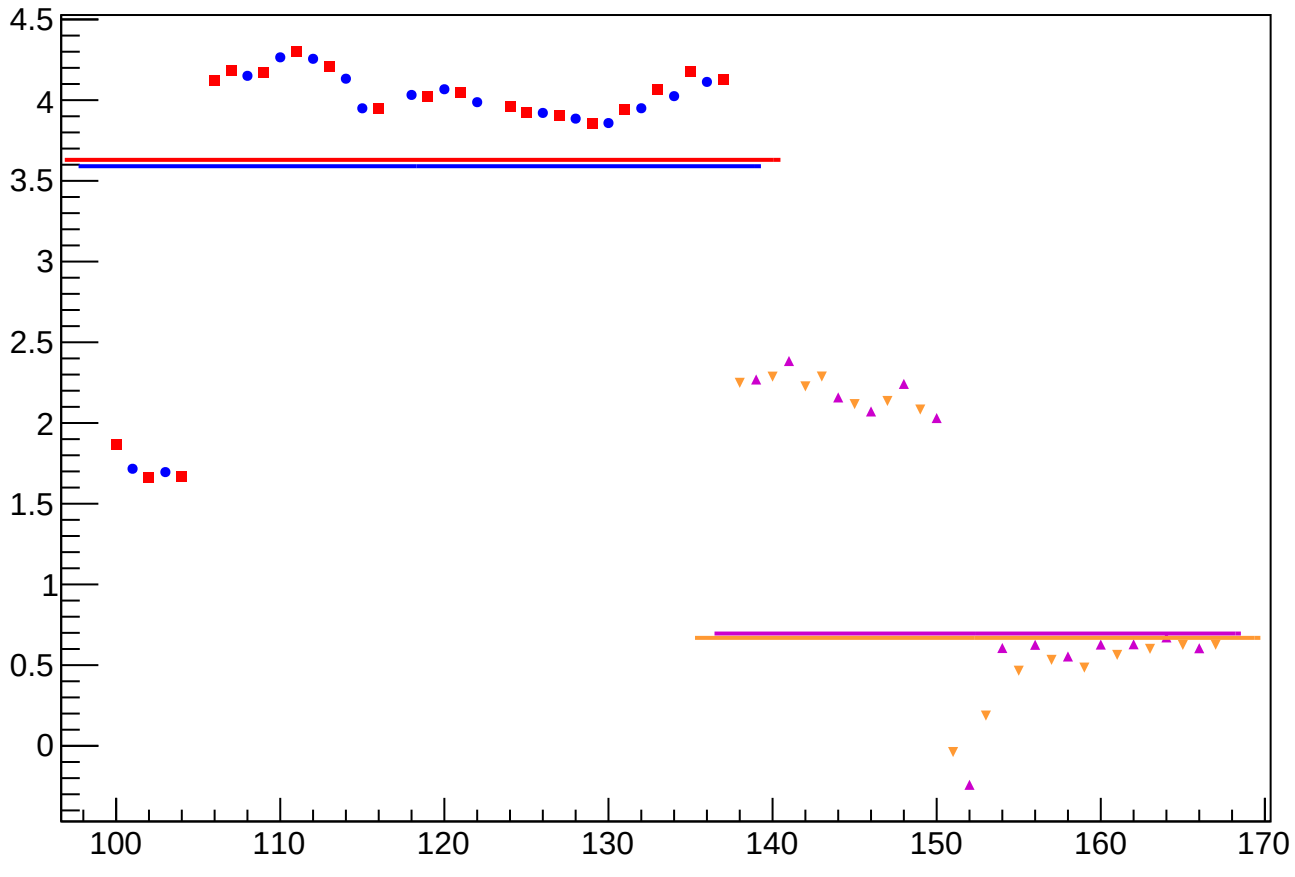
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1085967.1/29

Out: 0.007+/-0.000 χ^2/NDF:1063083.6/34

All: 0.007+/-0.000 χ^2/NDF: 2156126.3/64

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.669+/-0.000 χ^2/NDF:244165250930.3/15

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.696+/-0.000 χ^2/NDF:242192380280.0/13

Left: 0.682+/-0.000 χ^2/NDF: 486568659390.7/29

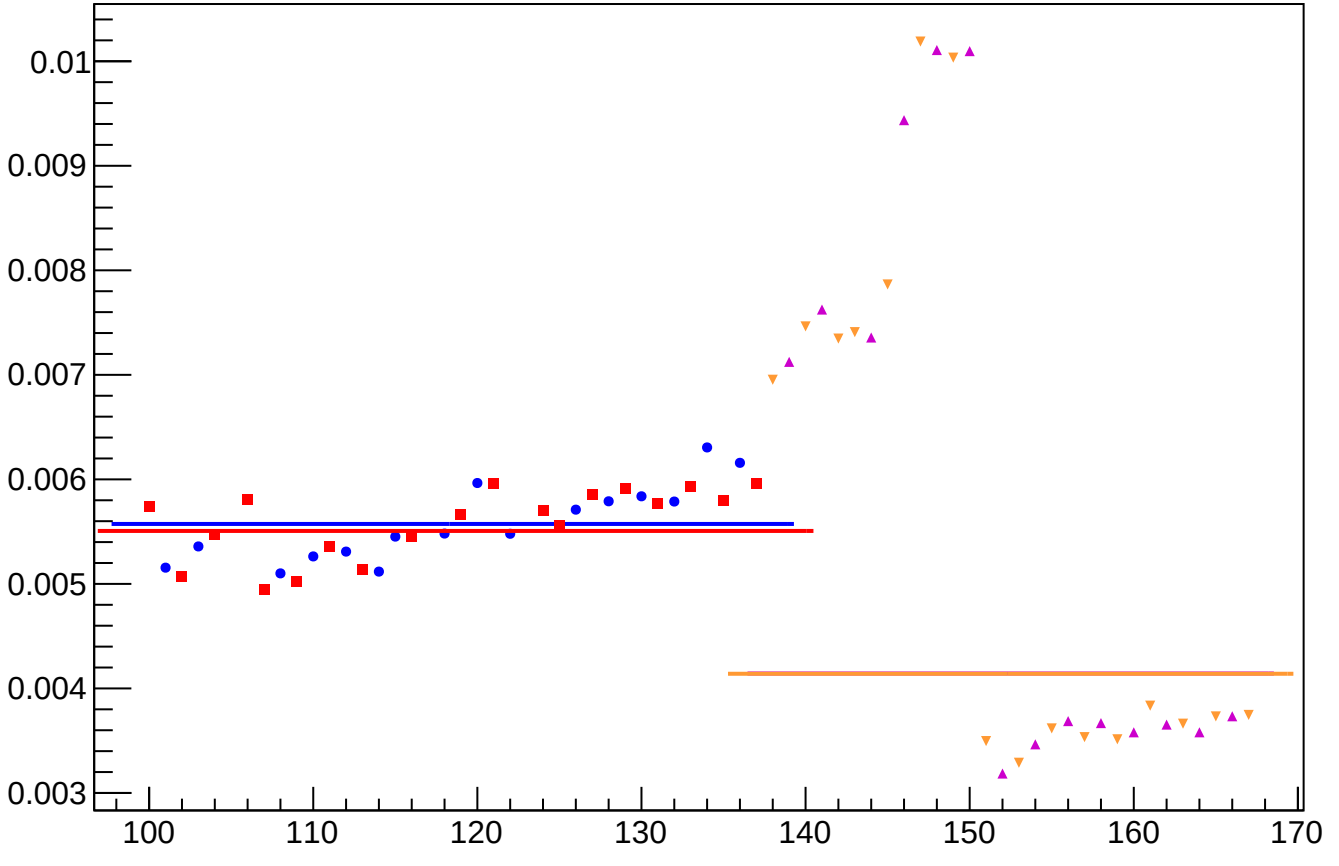
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.541+/-0.000 χ^2/NDF:1813189137451.5/29

Out: 1.499+/-0.000 χ^2/NDF:1976671375479.8/34

All: 1.519+/-0.000 χ^2/NDF: 3790611318086.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2780812.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2960751.3/13

Left: 0.004+/-0.000 χ^2/NDF: 5741567.2/29

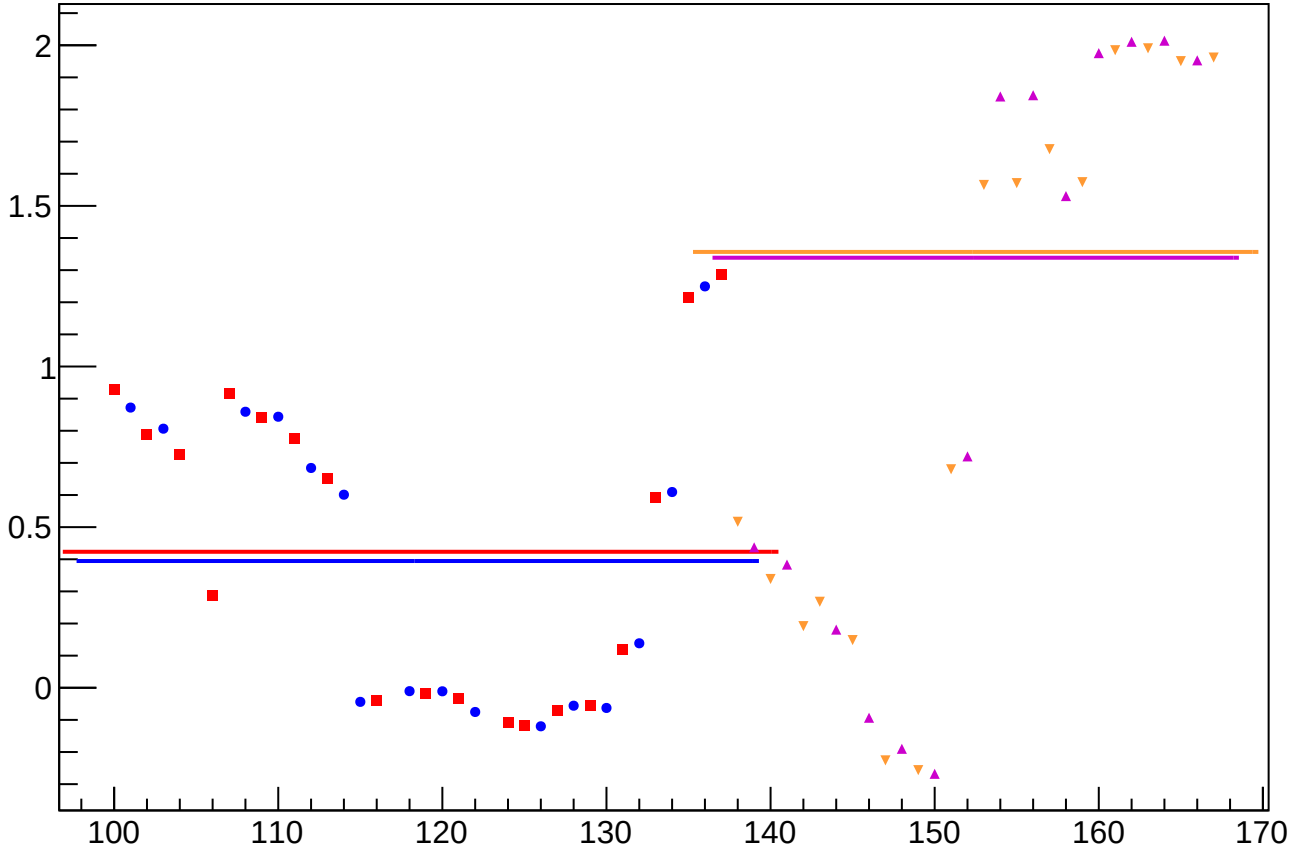
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:3688479.7/29

Out: 0.005+/-0.000 χ^2/NDF:3485452.0/34

All: 0.005+/-0.000 χ^2/NDF: 7175097.9/64

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.357+/-0.000 χ^2/NDF:49121948680.4/15

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.339+/-0.000 χ^2/NDF:52547638192.0/13

Left: 1.348+/-0.000 χ^2/NDF: 101684398259.4/29

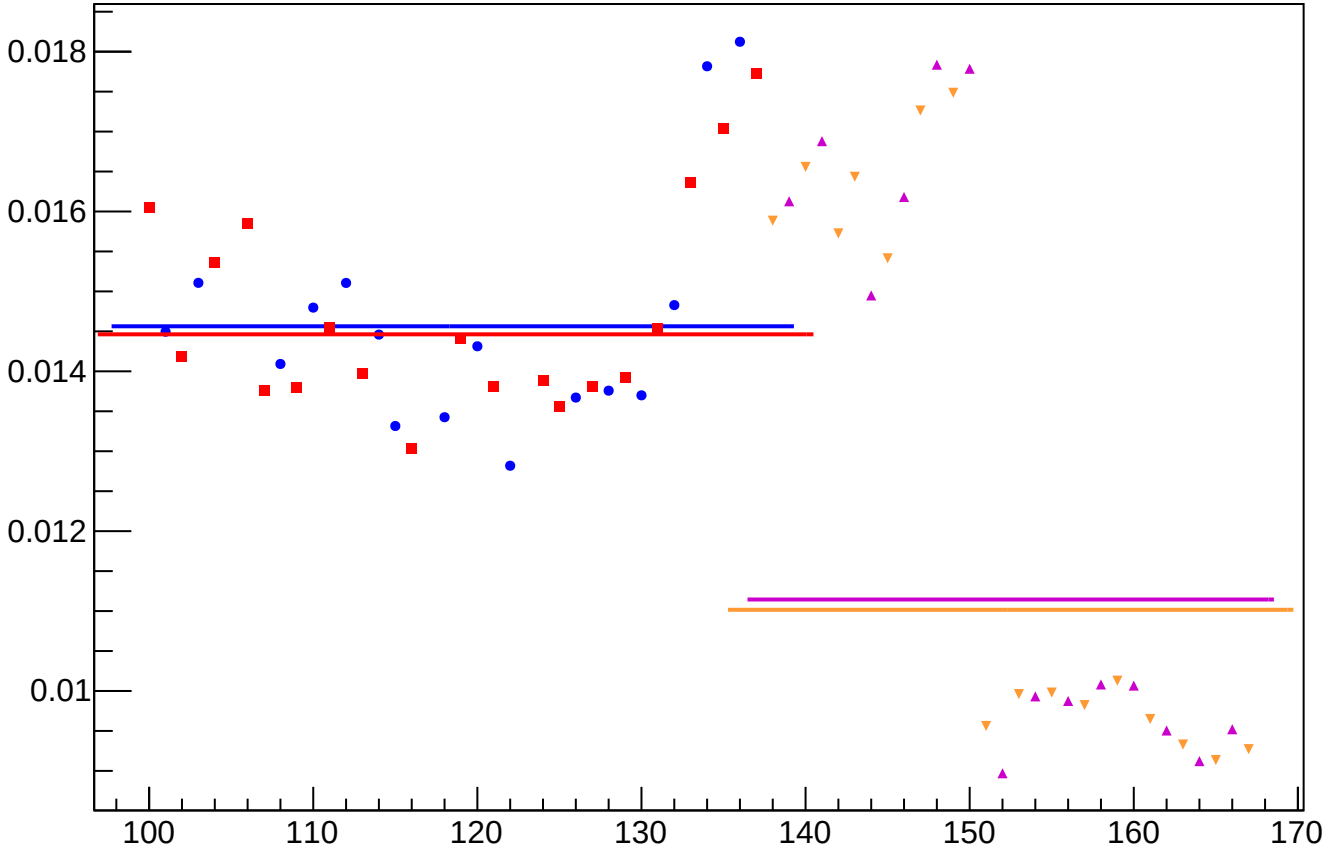
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.074+/-0.000 χ^2/NDF:81419378755.7/29

Out: 1.109+/-0.000 χ^2/NDF:78306095143.5/34

All: 1.092+/-0.000 χ^2/NDF: 159801116532.5

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1455467.8/15

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1457021.7/13

Left: 0.011+/-0.000 χ^2/NDF: 2913995.2/29

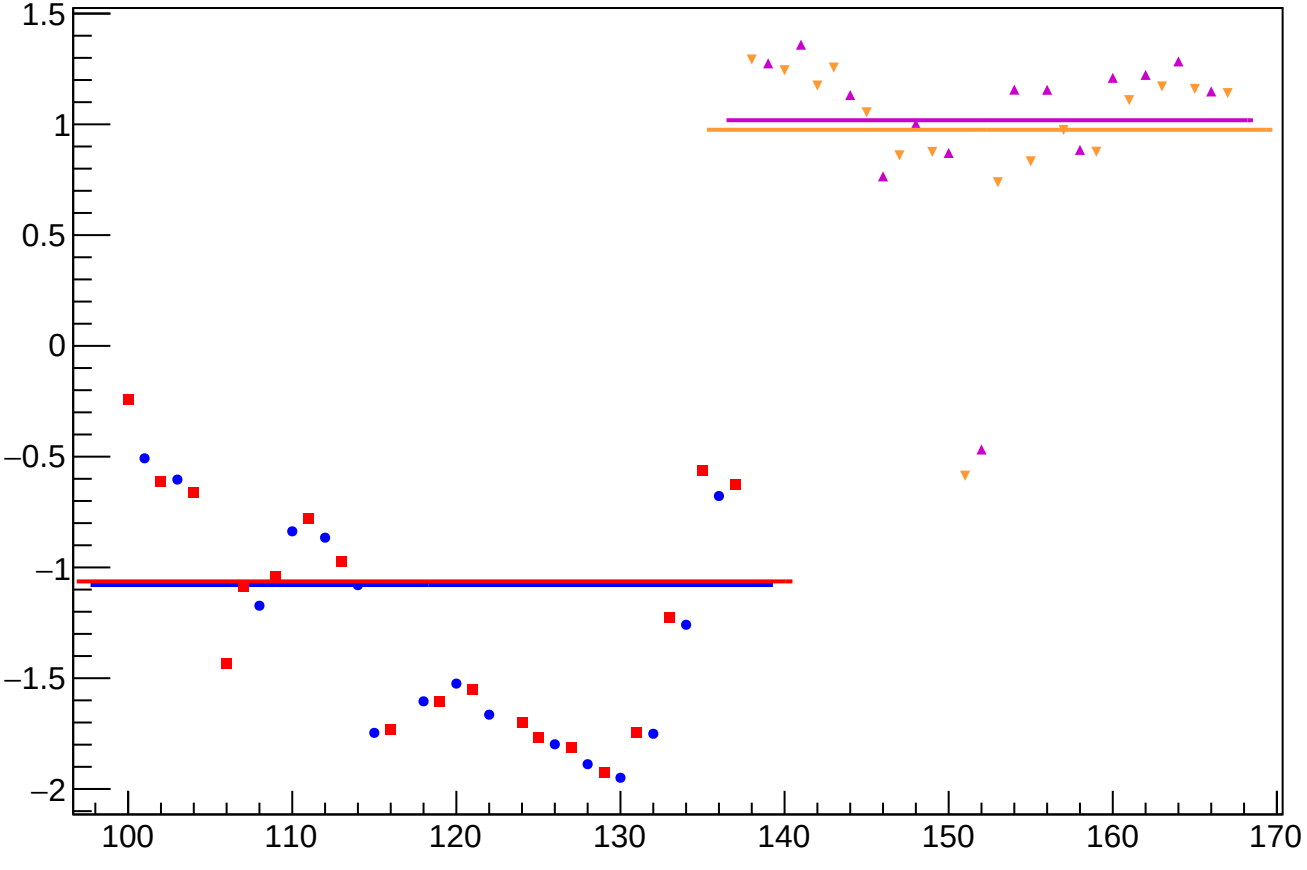
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.012+/-0.000 χ^2/NDF:2153008.9/29

Out: 0.012+/-0.000 χ^2/NDF:2140575.5/34

All: 0.012+/-0.000 χ^2/NDF: 4297265.3/64

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.975+/-0.000 χ^2/NDF:107972925268.8/15

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.018+/-0.000 χ^2/NDF:124222171391.2/13

Left: 0.996+/-0.000 χ^2/NDF: 232951825469.5/29

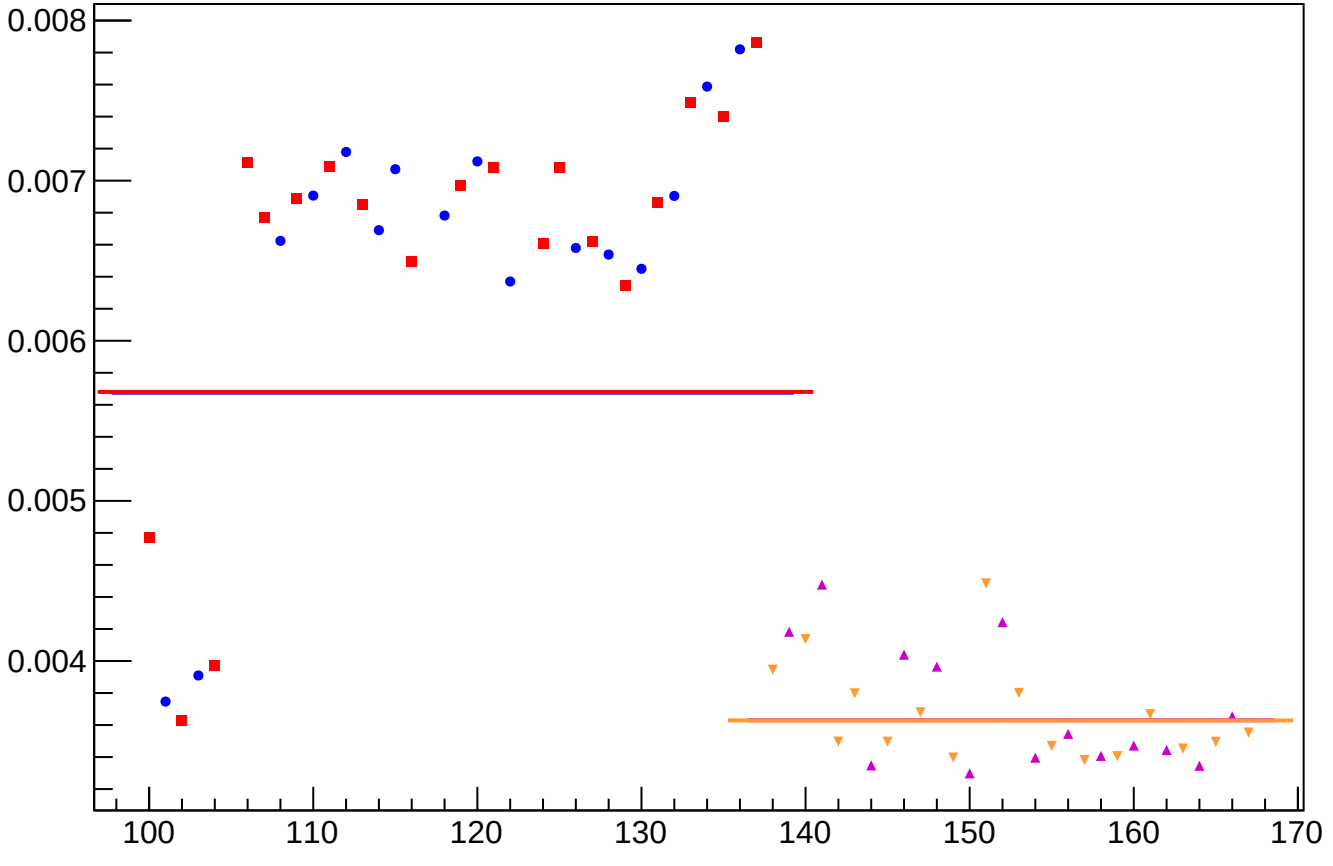
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.594+/-0.000 χ^2/NDF:877707861044.5/29

Out: 0.591+/-0.000 χ^2/NDF:831879309342.4/34

All: 0.593+/-0.000 χ^2/NDF: 1709590070359.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:123372.2/15

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:202962.5/13

Left: 0.004+/-0.000 χ^2/NDF: 326336.2/29

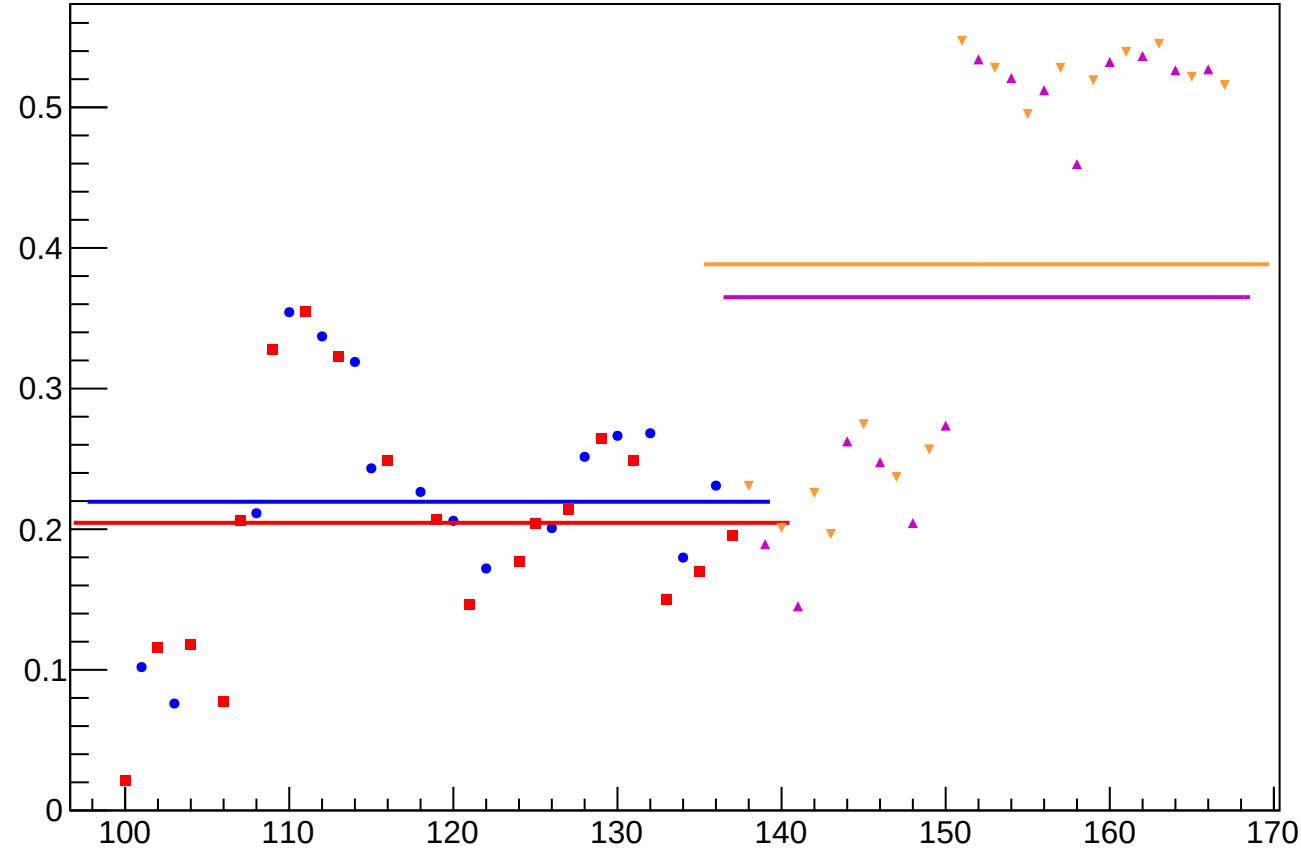
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2467371.8/29

Out: 0.004+/-0.000 χ^2/NDF:2469557.7/34

All: 0.004+/-0.000 χ^2/NDF: 4937781.9/64

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.388+/-0.000 χ^2/NDF:126262530115.1/15

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.365+/-0.000 χ^2/NDF:113996723724.1/13

Left: 0.378+/-0.000 χ^2/NDF: 241684131647.5/29

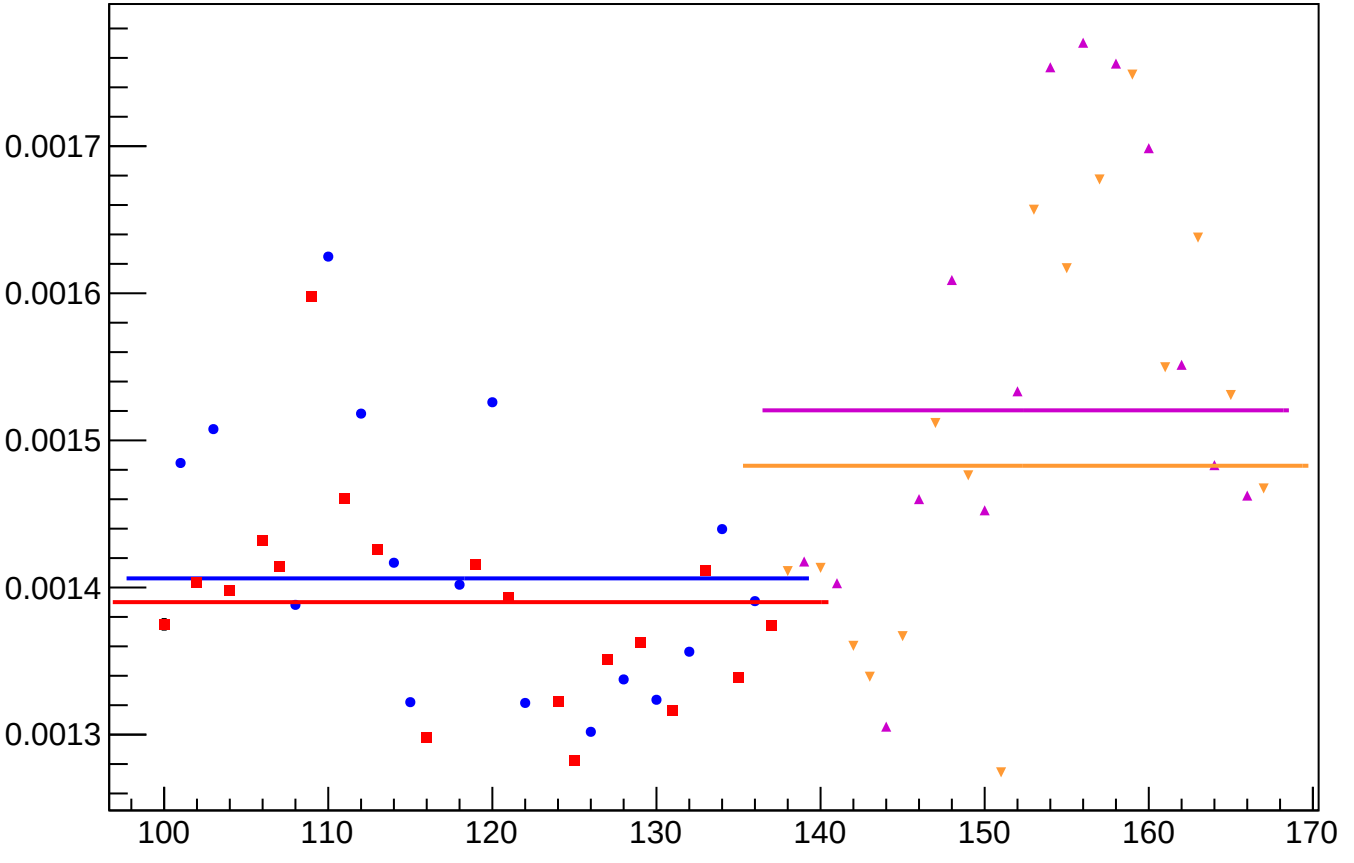
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.304+/-0.000 χ^2/NDF:173824073788.6/29

Out: 0.314+/-0.000 χ^2/NDF:225195398328.7/34

All: 0.309+/-0.000 χ^2/NDF: 399501260529.7

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:200801.8/15

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:196374.8/13

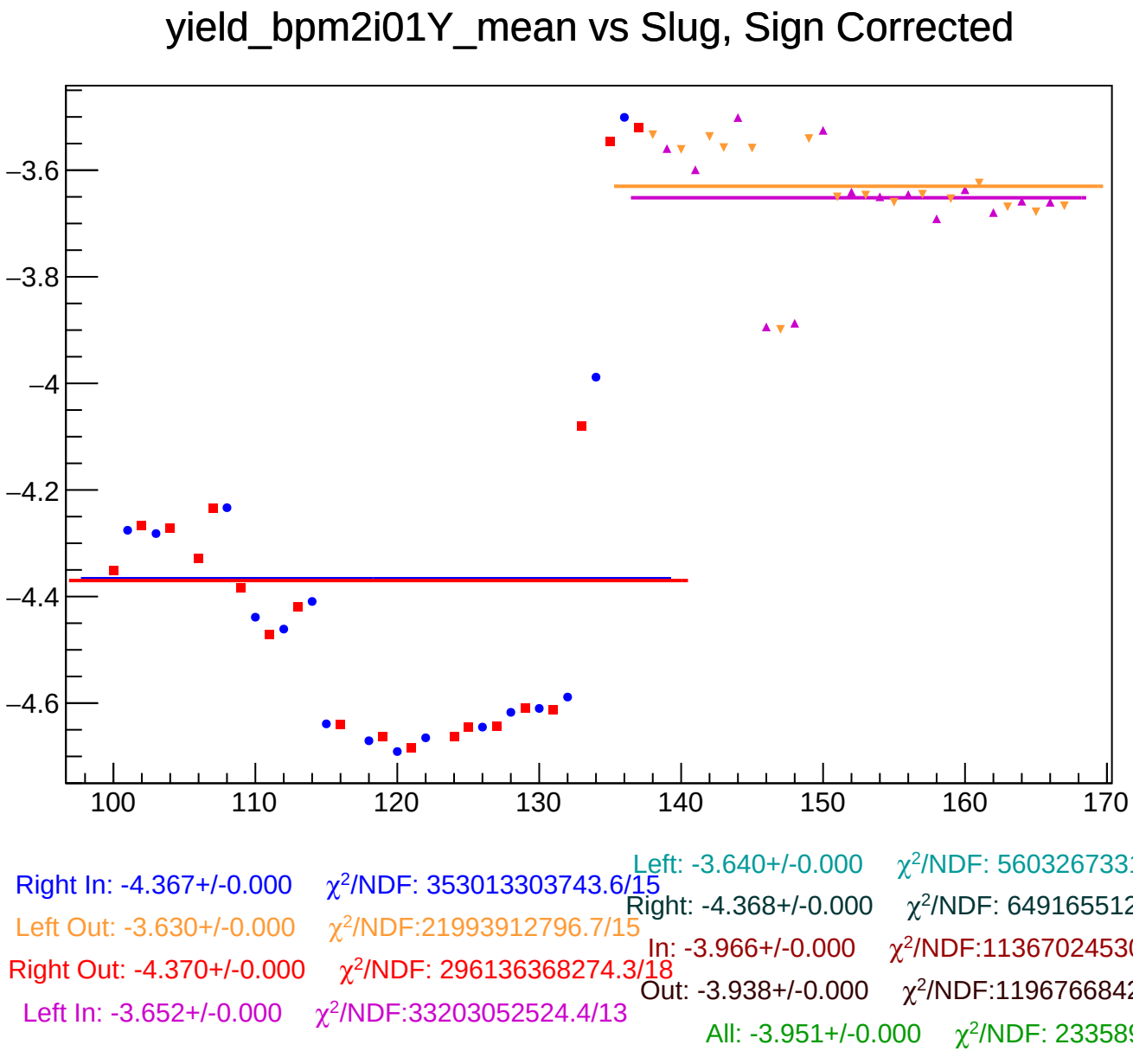
Left: 0.002+/-0.000 χ^2/NDF: 404574.6/29

Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

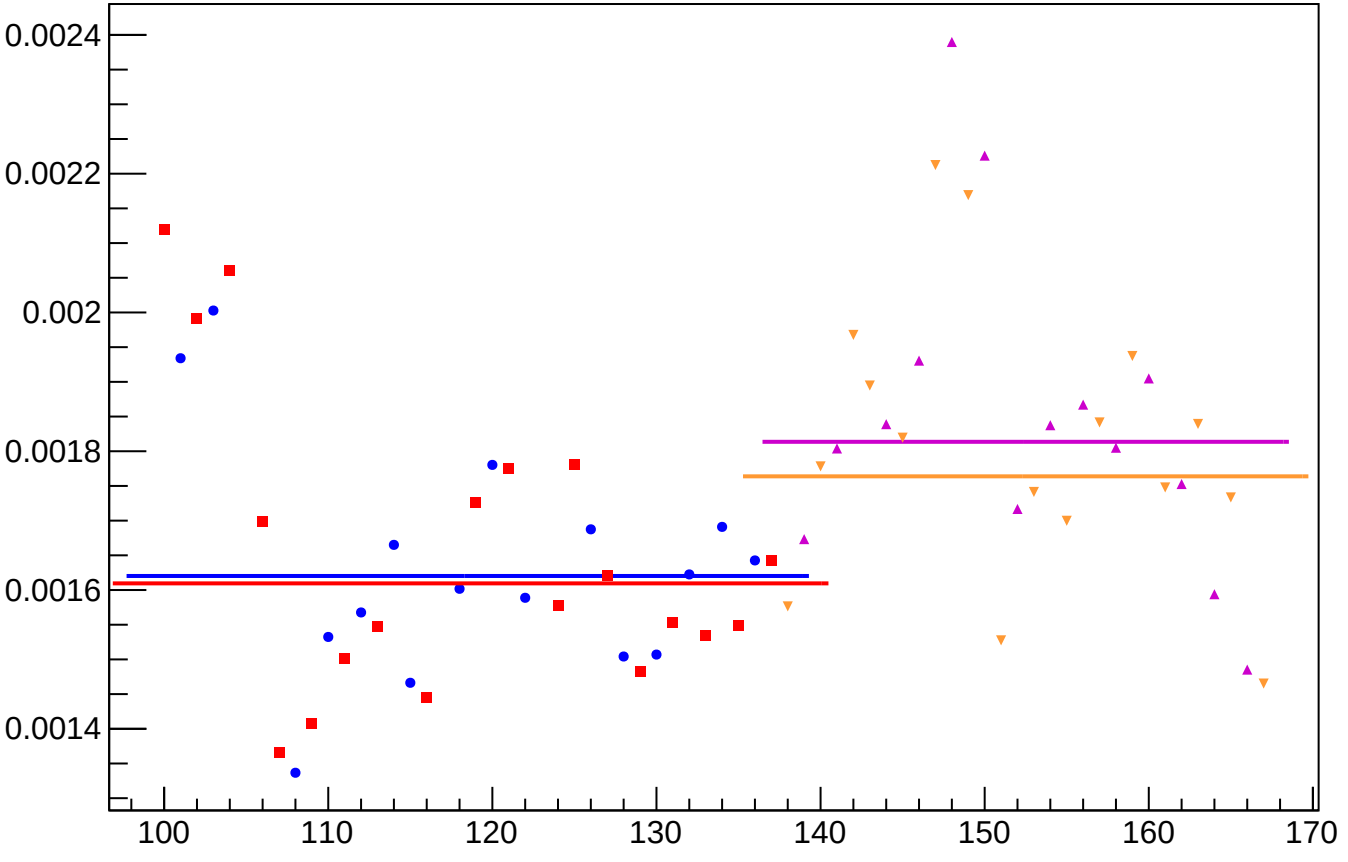
In: 0.001+/-0.000 χ^2/NDF:297720.0/29

Out: 0.001+/-0.000 χ^2/NDF:274556.9/34

All: 0.001+/-0.000 χ^2/NDF: 578762.0/64


yield_bpm2i01Y_mean vs Slug, Sign Corrected
−3.6
−3.8
−4
−4.2
−4.4
−4.6
100
110
120
130
140
150
160
170
Right In: -4.367+/-0.000 χ²/NDF: 353013303743.6/15
Left Out: -3.630+/-0.000 χ²/NDF:21993912796.7/15
Right Out: -4.370+/-0.000 χ²/NDF: 296136368274.3/18
Left In: -3.652+/-0.000 χ²/NDF:33203052524.4/13
Left: -3.640+/-0.000 χ²/NDF: 56032673318.8/29
Right: -4.368+/-0.000 χ²/NDF: 649165512283.3/34
In: -3.966+/-0.000 χ²/NDF:1136702453029.7/29
Out: -3.938+/-0.000 χ²/NDF:1196766842059.8/34
All: -3.951+/-0.000 χ²/NDF: 2335897640548

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:287788.0/15

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:261405.7/13

Left: 0.002+/-0.000 χ^2/NDF: 558072.7/29

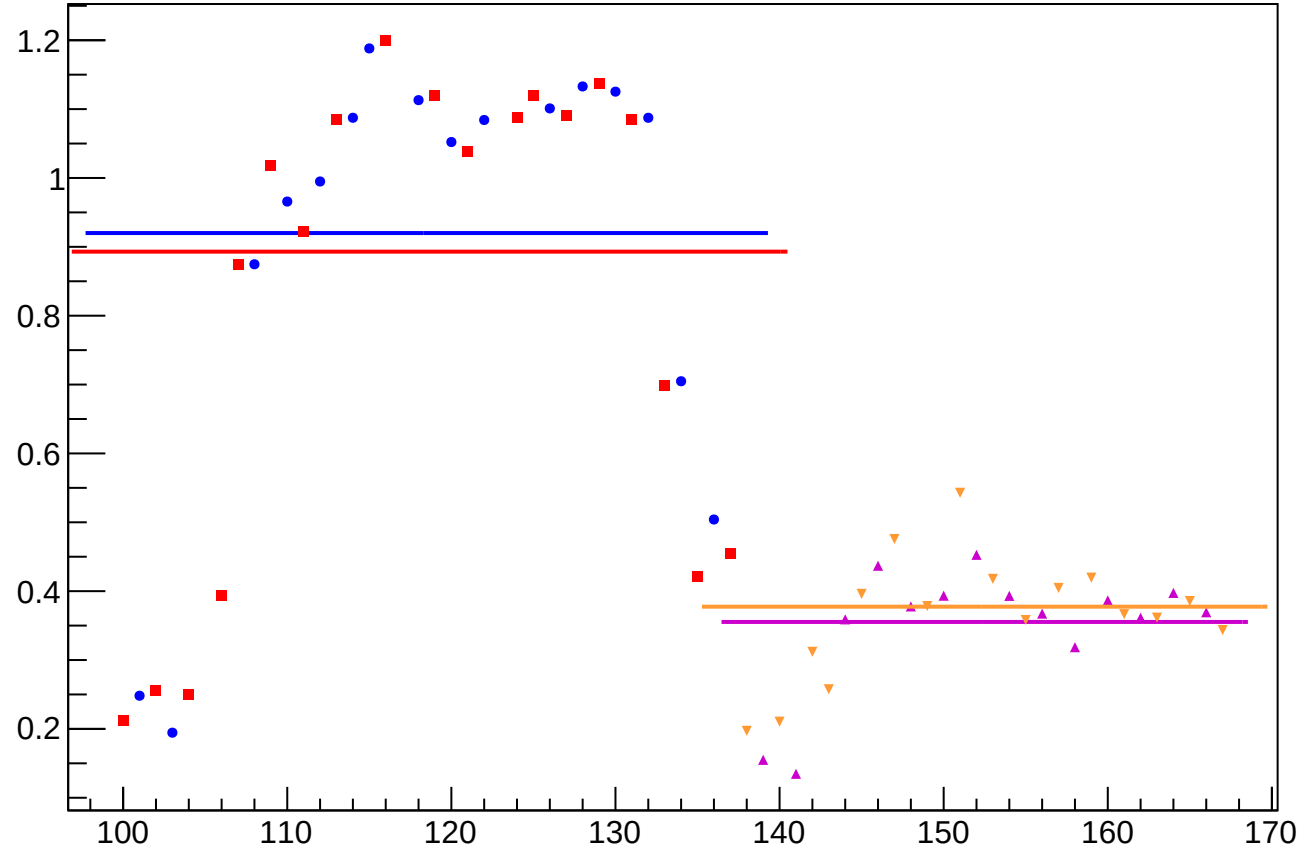
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:511443.9/29

Out: 0.002+/-0.000 χ^2/NDF:549140.4/34

All: 0.002+/-0.000 χ^2/NDF: 1065860.0/64

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.377+/-0.000 χ^2/NDF:1700201049.3/15

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.355+/-0.000 χ^2/NDF:1420494861.3/13

Left: 0.367+/-0.000 χ^2/NDF: 3173902279.9/29

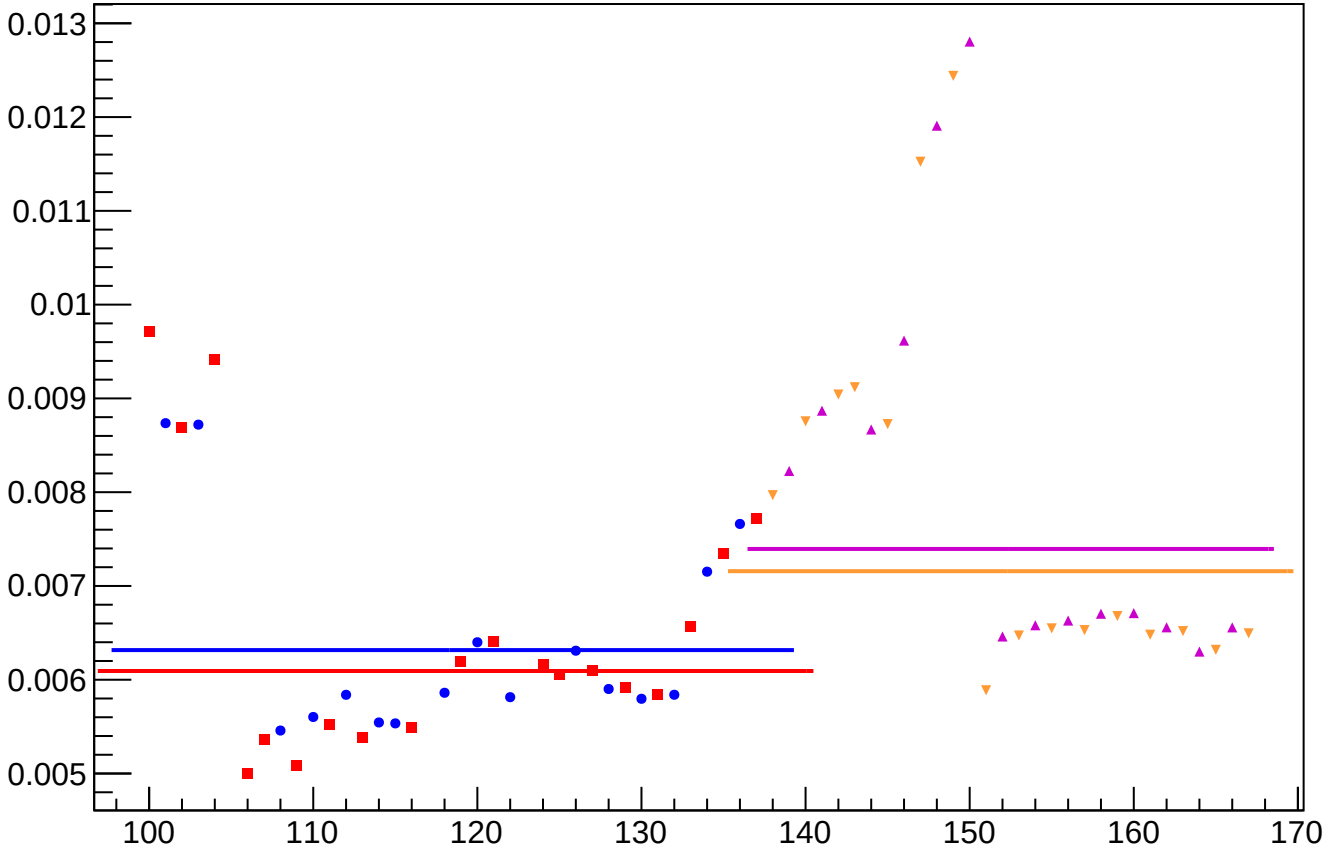
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.619+/-0.000 χ^2/NDF:45879652444.6/29

Out: 0.612+/-0.000 χ^2/NDF:47686808366.2/34

All: 0.615+/-0.000 χ^2/NDF: 93576966076.1/6

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:978191.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:957894.5/13

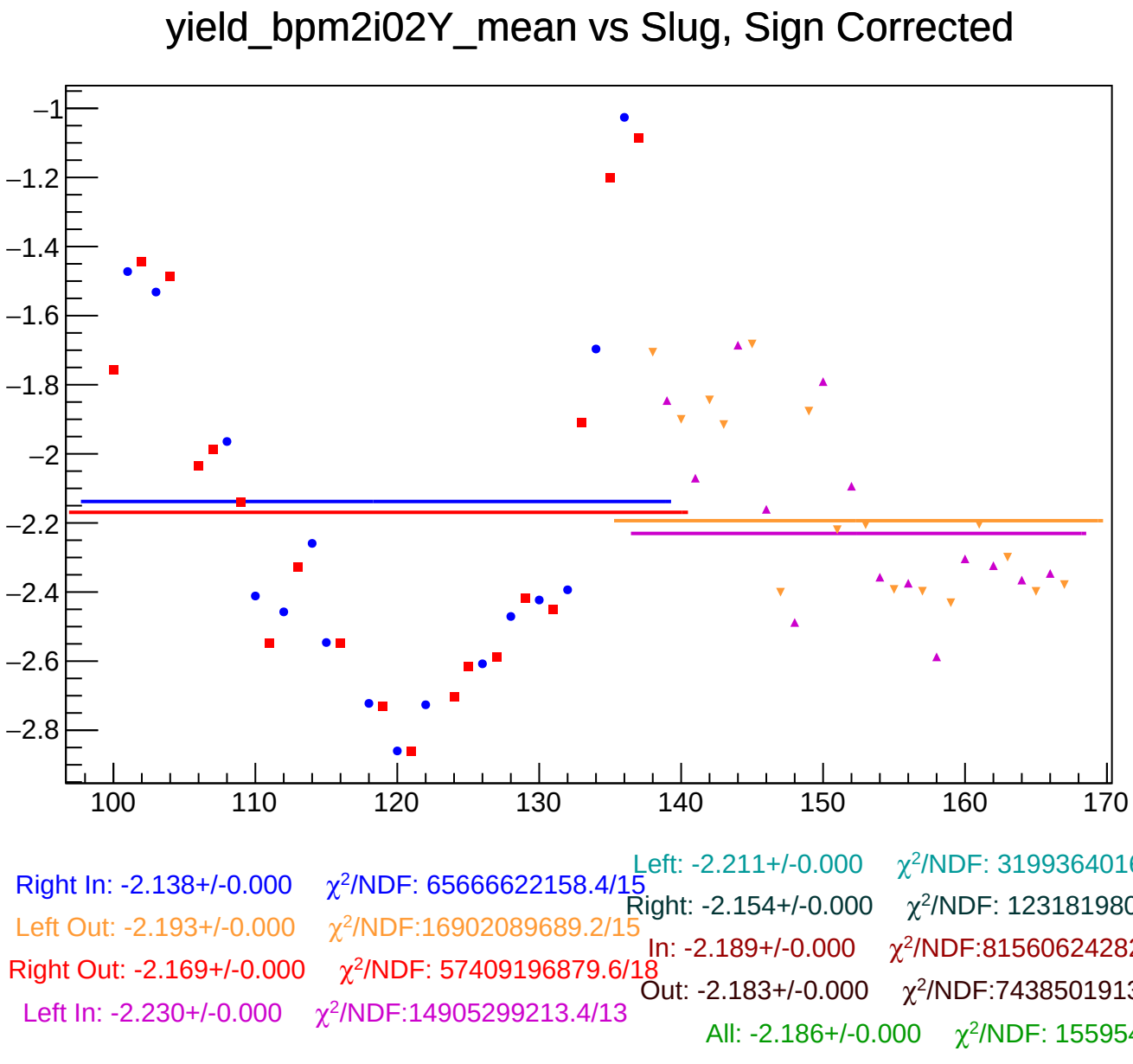
Left: 0.007+/-0.000 χ^2/NDF: 1948250.5/29

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

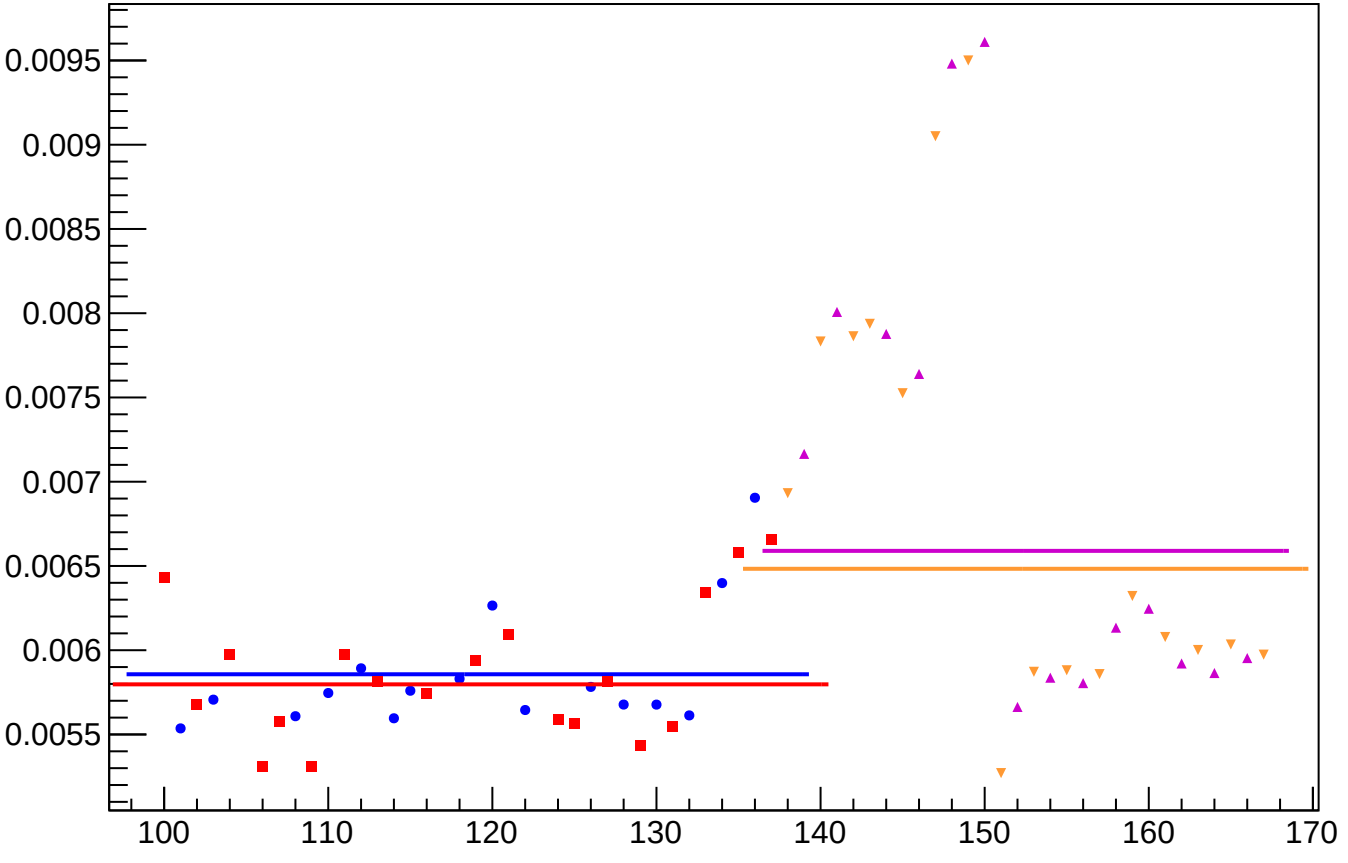
In: 0.007+/-0.000 χ^2/NDF:1511723.4/29

Out: 0.007+/-0.000 χ^2/NDF:1655803.6/34

All: 0.007+/-0.000 χ^2/NDF: 3186457.4/64


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
110
120
130
140
150
160
170
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.193+/-0.000 χ²/NDF:16902089689.2/15
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.230+/-0.000 χ²/NDF:14905299213.4/13
Left: -2.211+/-0.000 χ²/NDF: 31993640166.9/29
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.189+/-0.000 χ²/NDF:81560624282.5/29
Out: -2.183+/-0.000 χ²/NDF:74385019135.9/34
All: -2.186+/-0.000 χ²/NDF: 155954061305.8

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:649825.1/15

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:651758.8/13

Left: 0.007+/-0.000 χ^2/NDF: 1304673.0/29

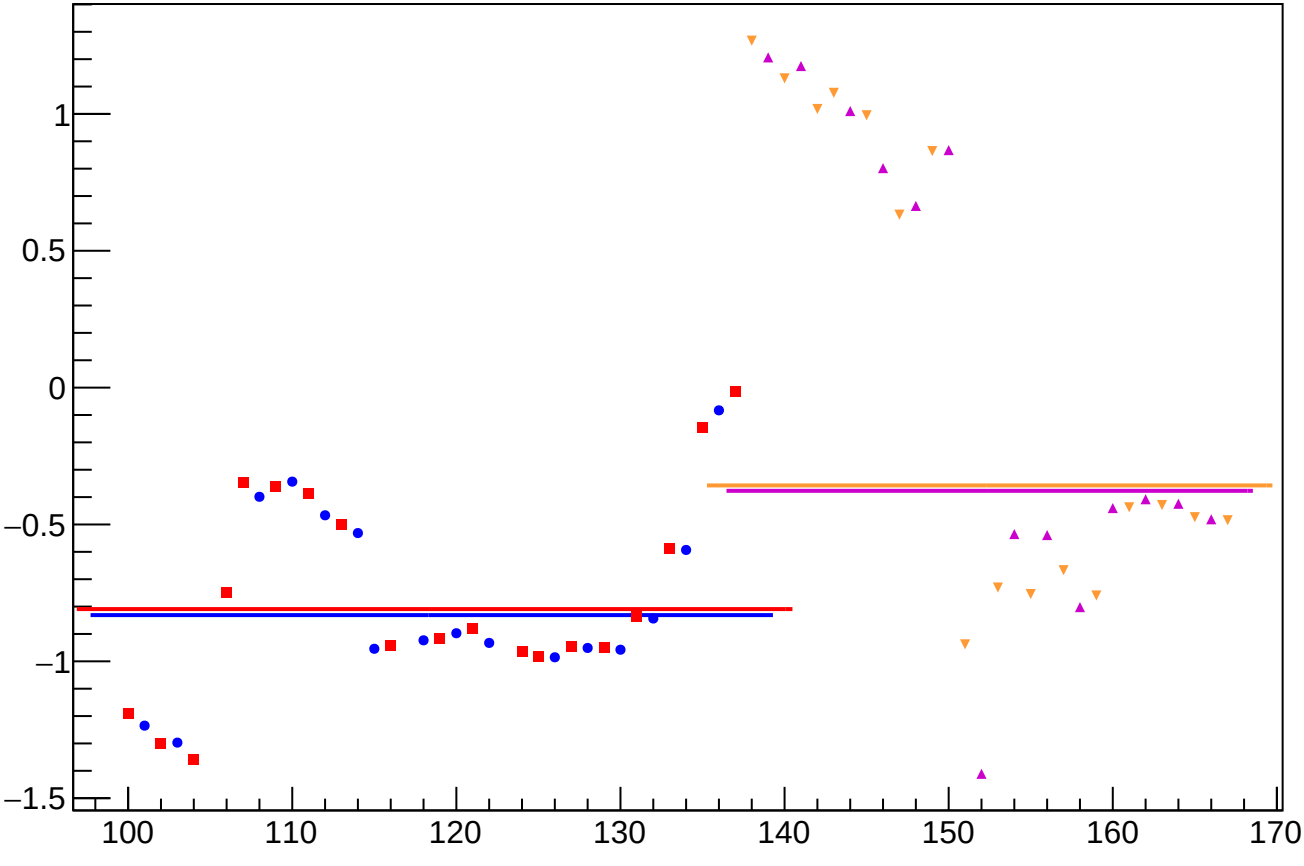
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:837609.5/29

Out: 0.006+/-0.000 χ^2/NDF:824628.5/34

All: 0.006+/-0.000 χ^2/NDF: 1664934.0/64

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.357+/-0.000 χ^2/NDF:77617072438.8/15

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.377+/-0.000 χ^2/NDF:87205446969.3/13

Left: -0.367+/-0.000 χ^2/NDF: 164858366505.5/29

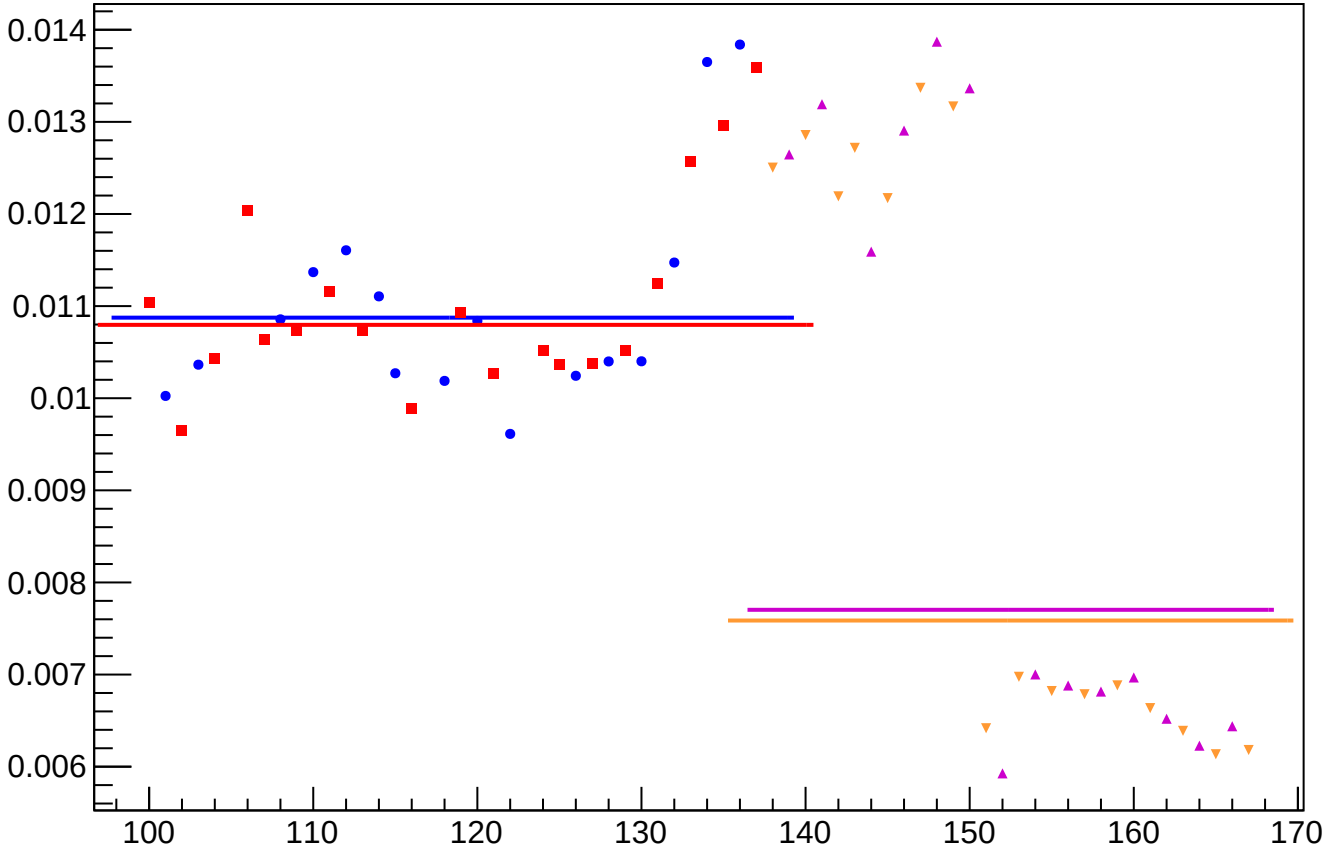
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.493+/-0.000 χ^2/NDF:103443645929.2/29

Out: -0.466+/-0.000 χ^2/NDF:95375645797.9/34

All: -0.479+/-0.000 χ^2/NDF: 198910350802.6

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:2082038.2/15

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2072869.7/13

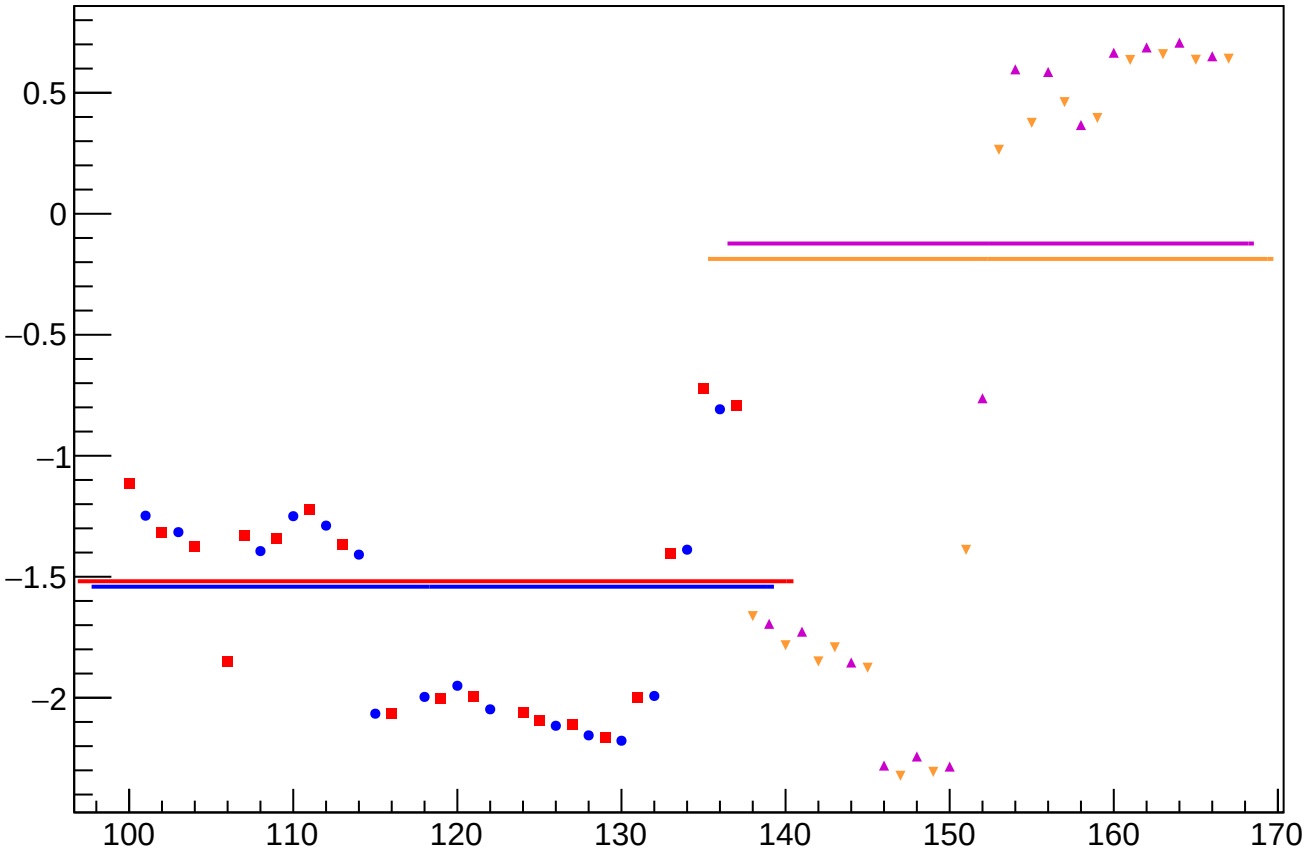
Left: 0.008+/-0.000 χ^2/NDF: 4157392.1/29

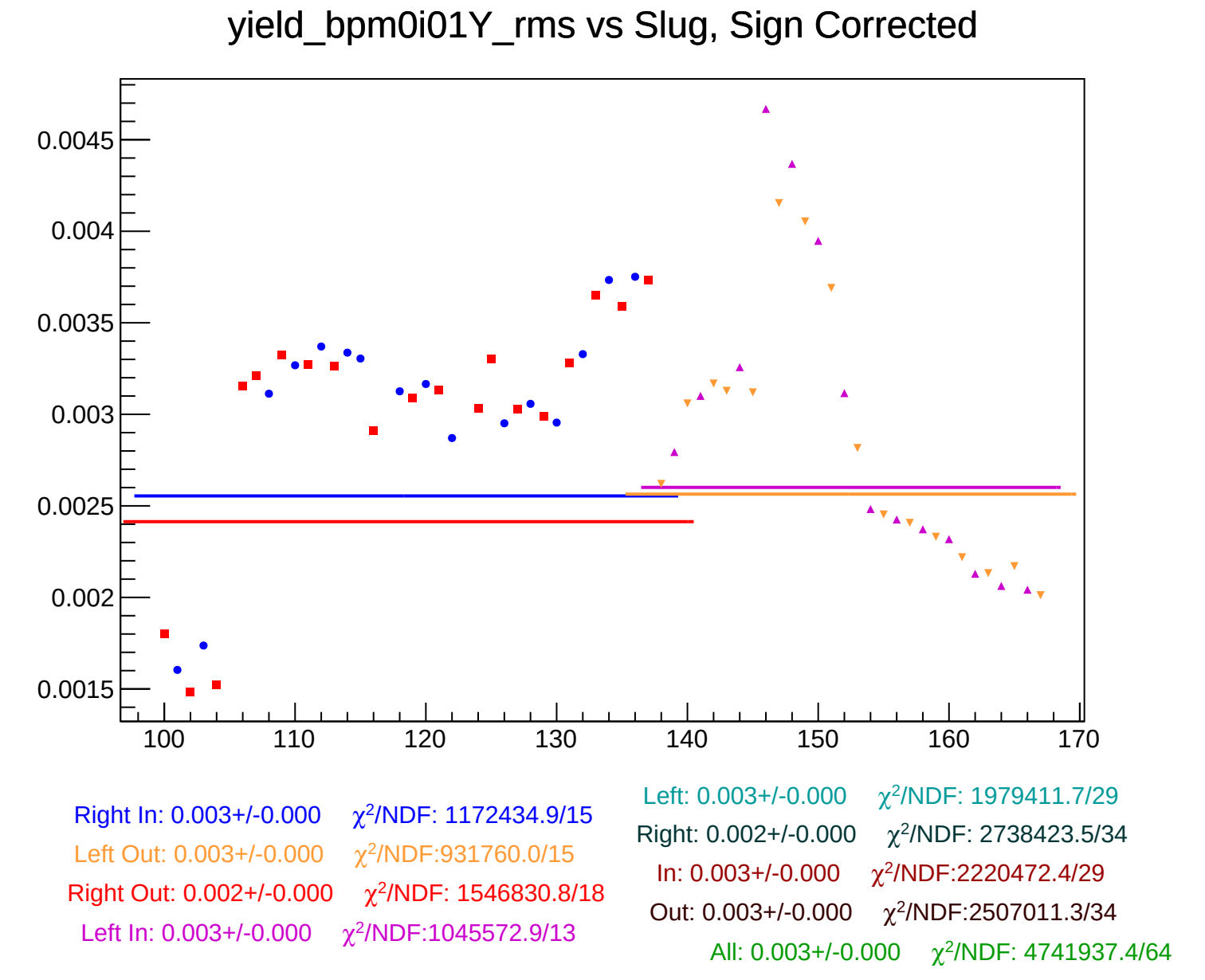
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

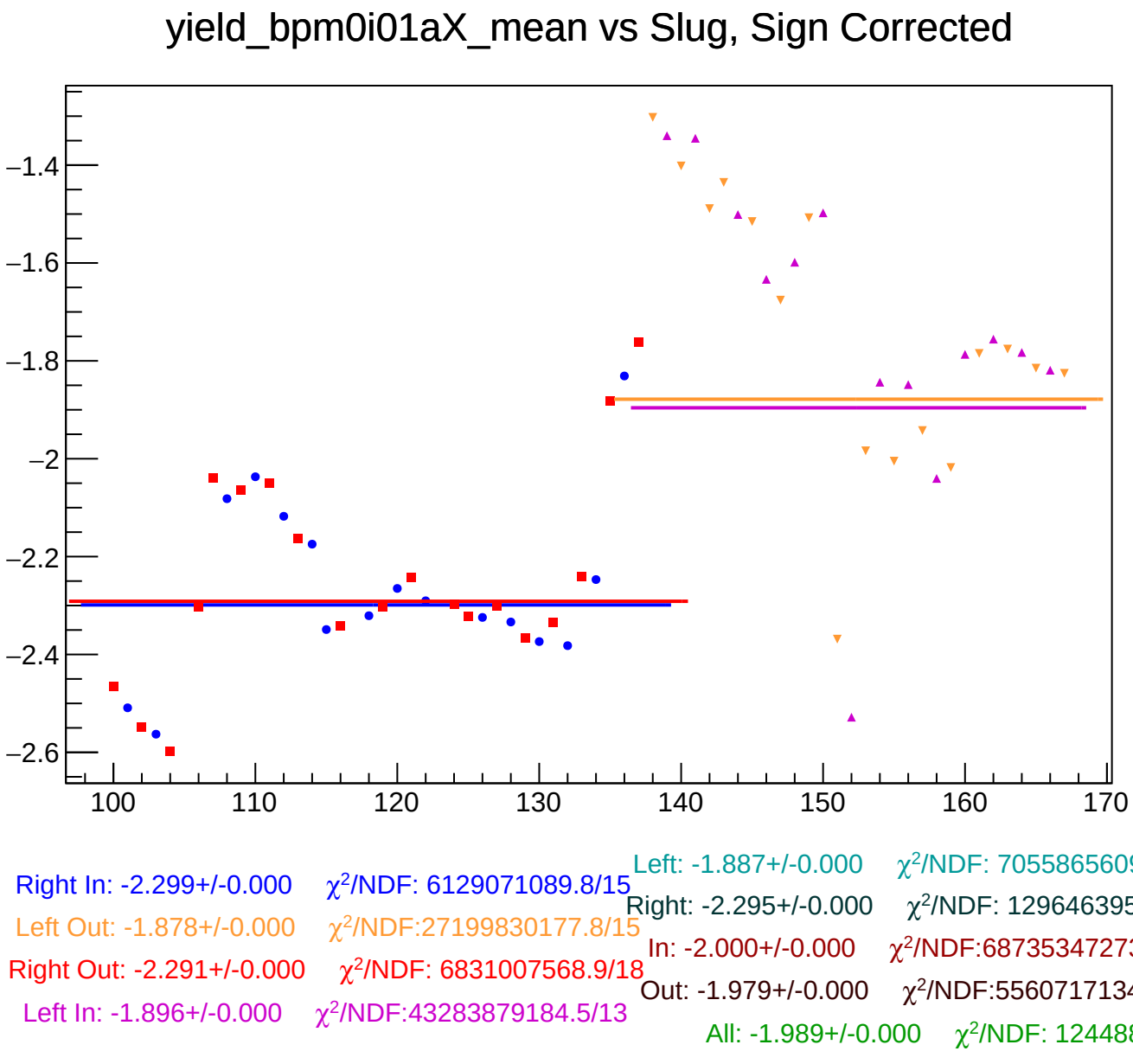
In: 0.009+/-0.000 χ^2/NDF:3121113.0/29

Out: 0.008+/-0.000 χ^2/NDF:3151435.8/34

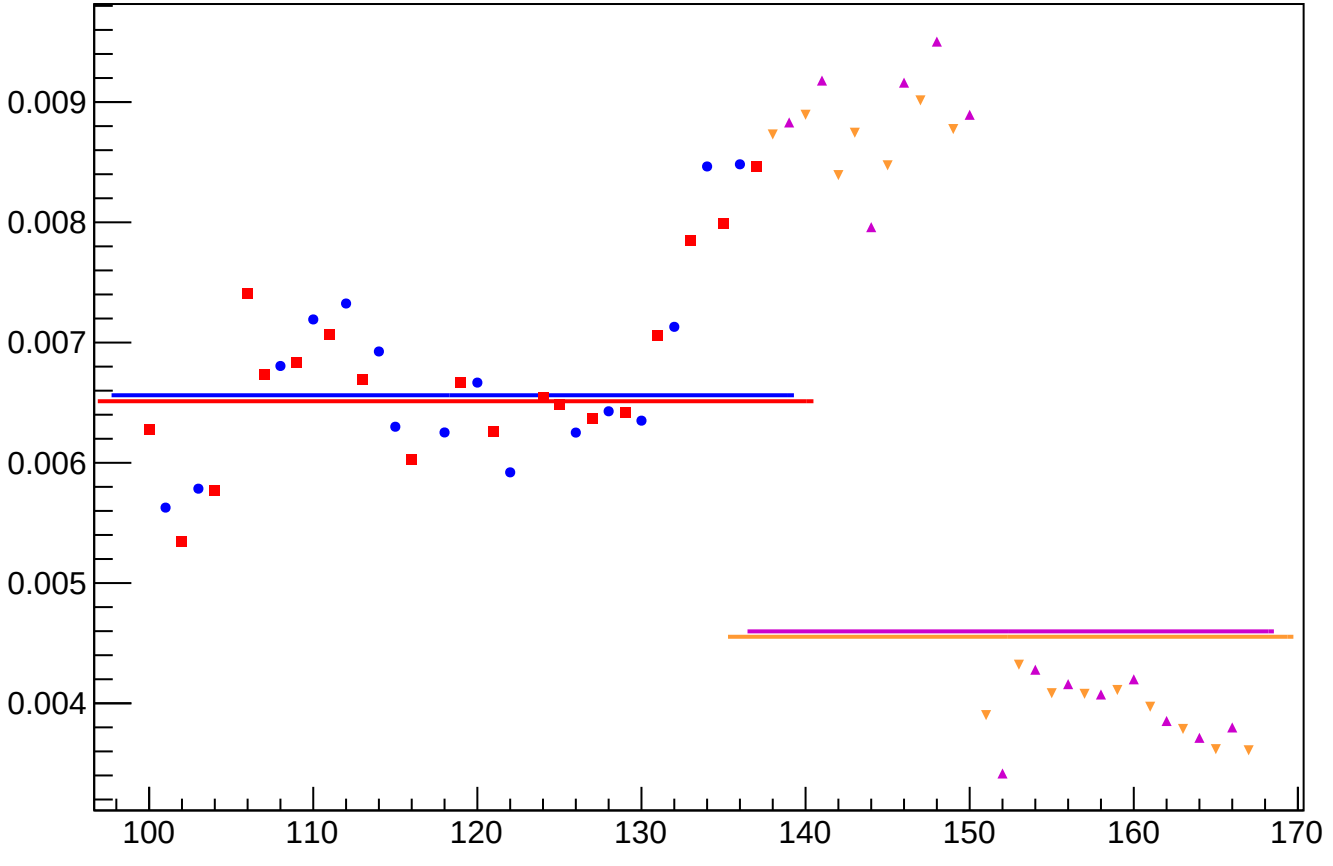
All: 0.008+/-0.000 χ^2/NDF: 6278500.6/64


yield_bpm0i01Y_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -1.541+/-0.000 χ²/NDF: 162409397922.2/15
Left Out: -0.187+/-0.000 χ²/NDF:1967032794827.0/15
Right Out: -1.519+/-0.000 χ²/NDF: 145077318641.2/18
Left In: -0.123+/-0.000 χ²/NDF:1771937709456.6/13
Left: -0.157+/-0.000 χ²/NDF: 3742069830176.8/29
Right: -1.529+/-0.000 χ²/NDF: 307732116783.0/34
In: -0.680+/-0.000 χ²/NDF:3068838068721.3/29
Out: -0.696+/-0.000 χ²/NDF:3226889362181.4/34
All: -0.688+/-0.000 χ²/NDF: 6296054640344


yield_bpm0i01Y_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 1172434.9/15
Left Out: 0.003+/-0.000 χ²/NDF:931760.0/15
Right Out: 0.002+/-0.000 χ²/NDF: 1546830.8/18
Left In: 0.003+/-0.000 χ²/NDF:1045572.9/13
Left: 0.003+/-0.000 χ²/NDF: 1979411.7/29
Right: 0.002+/-0.000 χ²/NDF: 2738423.5/34
In: 0.003+/-0.000 χ²/NDF:2220472.4/29
Out: 0.003+/-0.000 χ²/NDF:2507011.3/34
All: 0.003+/-0.000 χ²/NDF: 4741937.4/64


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
170
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.878+/-0.000 χ²/NDF:27199830177.8/15
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.896+/-0.000 χ²/NDF:43283879184.5/13
Left: -1.887+/-0.000 χ²/NDF: 70558656096.5/29
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.000+/-0.000 χ²/NDF:68735347273.8/29
Out: -1.979+/-0.000 χ²/NDF:55607171345.4/34
All: -1.989+/-0.000 χ²/NDF: 124488140259.8

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2755200.0/15

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2781746.8/13

Left: 0.005+/-0.000 χ^2/NDF: 5537924.0/29

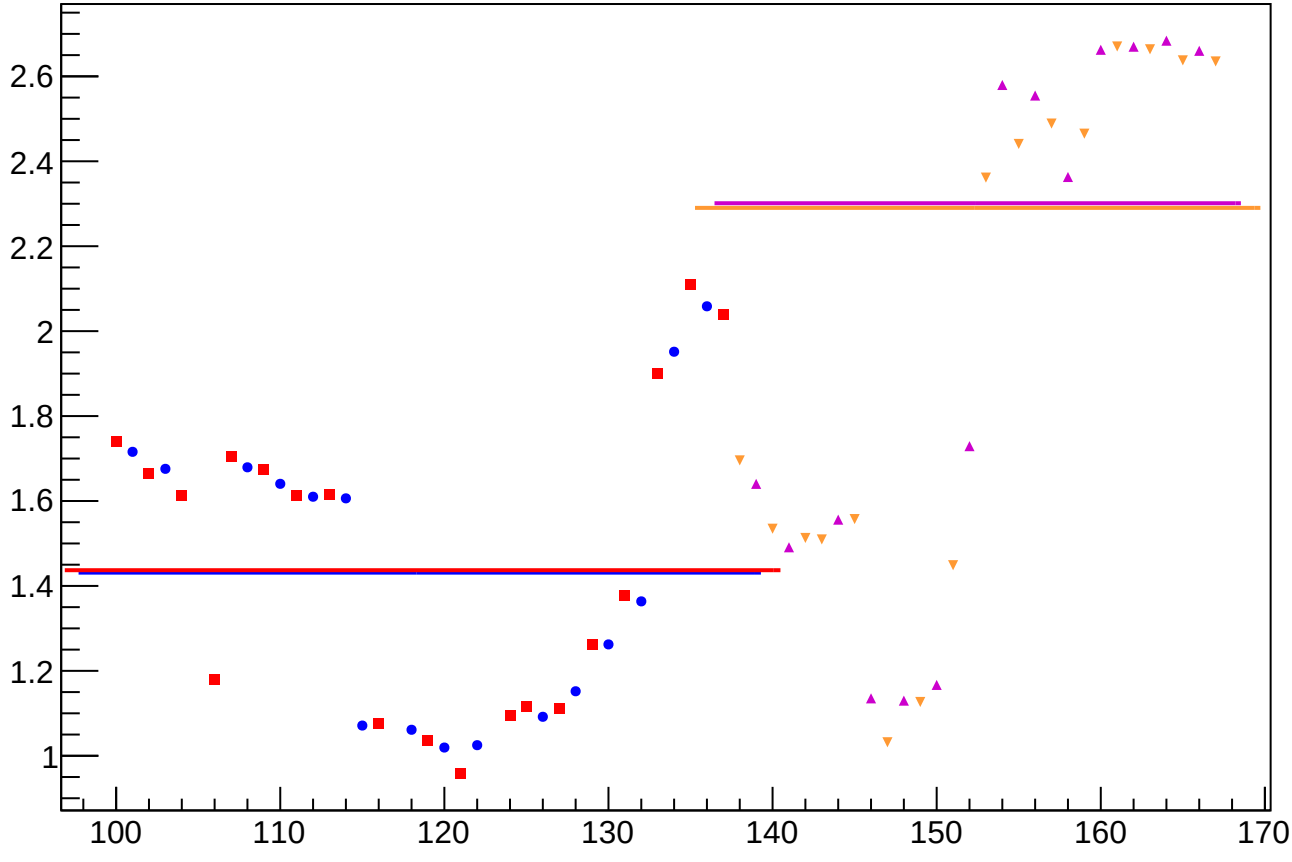
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:3921844.7/29

Out: 0.005+/-0.000 χ^2/NDF:3911077.2/34

All: 0.005+/-0.000 χ^2/NDF: 7836641.8/64

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.290+/-0.000 χ^2/NDF:205695560612.3/15

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.301+/-0.000 χ^2/NDF:194962687129.0/13

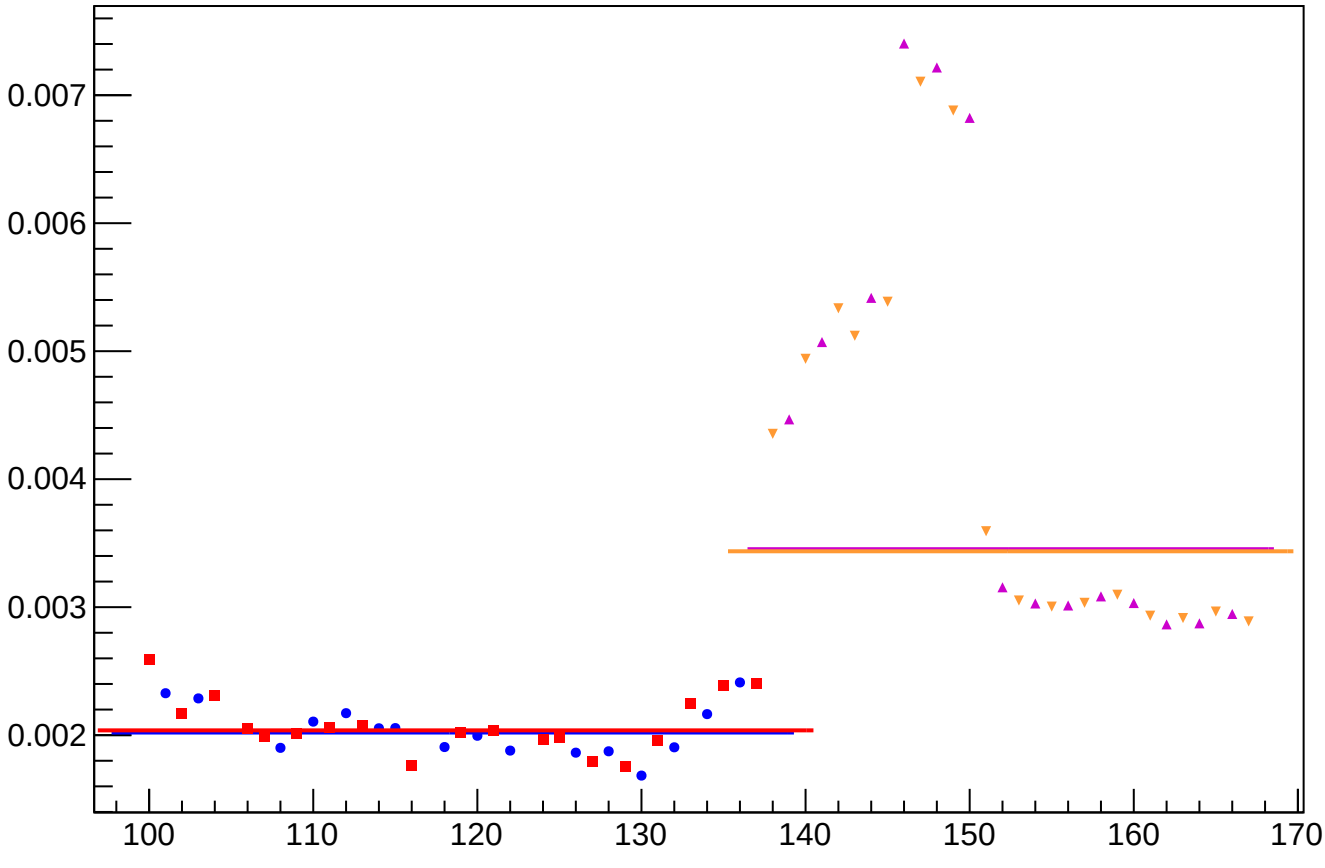
Left: 2.295+/-0.000 χ^2/NDF: 400710052512.7/29

Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.723+/-0.000 χ^2/NDF:796339182527.2/29

Out: 1.746+/-0.000 χ^2/NDF:817152443176.5/34

All: 1.734+/-0.000 χ^2/NDF: 1614136301043.



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1657048.8/15

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1872220.0/13

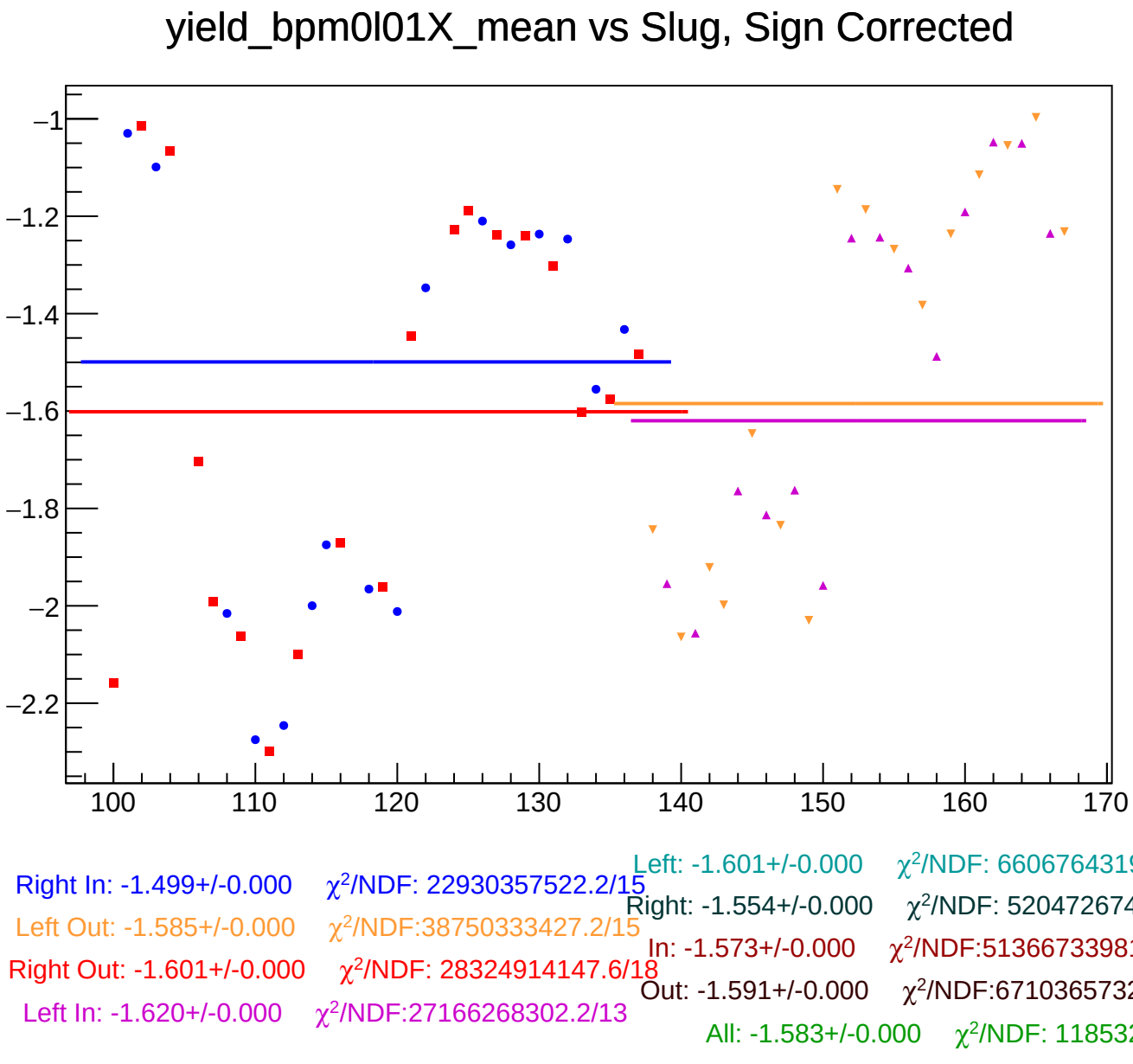
Left: 0.003+/-0.000 χ^2/NDF: 3529500.2/29

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

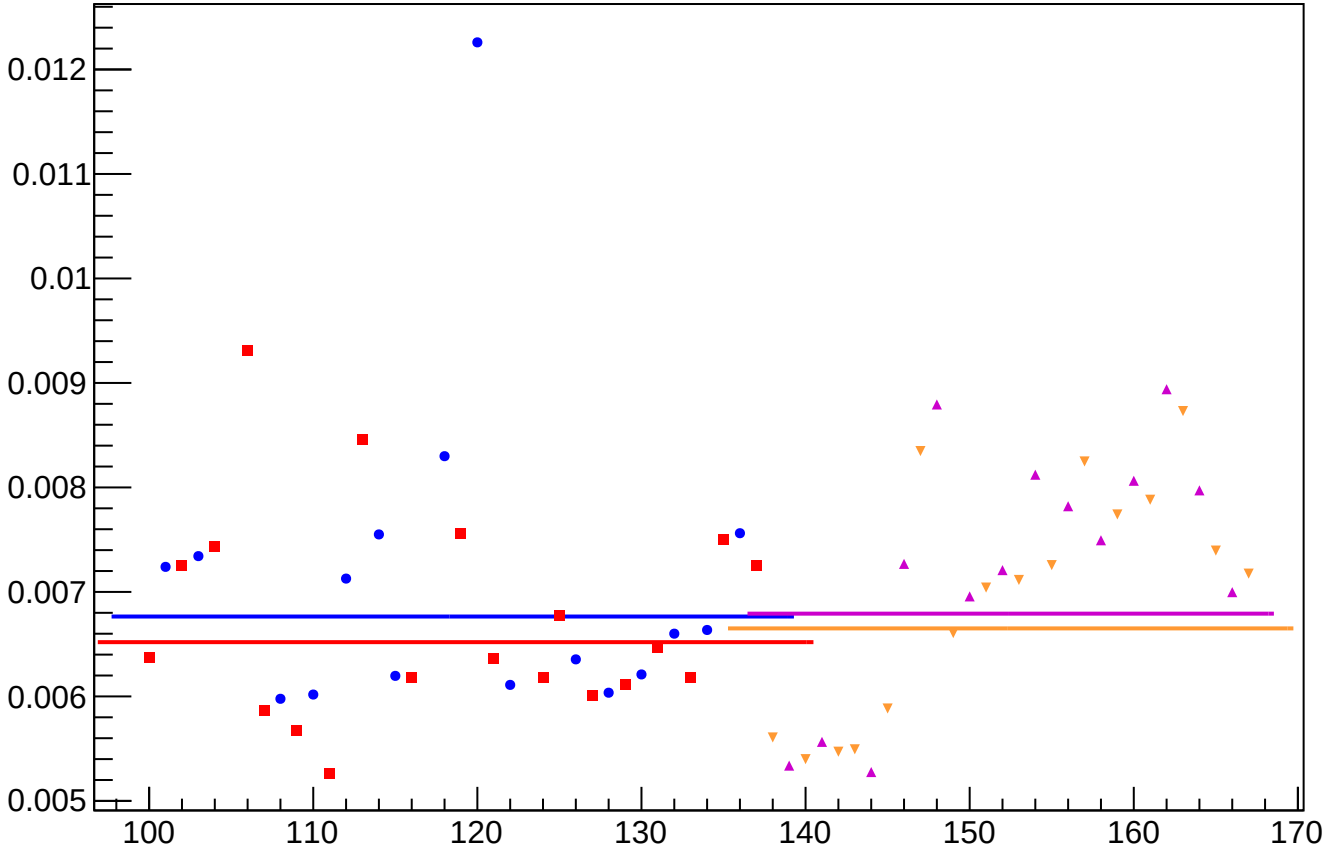
In: 0.003+/-0.000 χ^2/NDF:4262475.5/29

Out: 0.003+/-0.000 χ^2/NDF:4080141.8/34

All: 0.003+/-0.000 χ^2/NDF: 8347196.1/64


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.585+/-0.000 χ²/NDF:38750333427.2/15
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.620+/-0.000 χ²/NDF:27166268302.2/13
Left: -1.601+/-0.000 χ²/NDF: 66067643196.9/29
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.573+/-0.000 χ²/NDF:51366733981.8/29
Out: -1.591+/-0.000 χ²/NDF:67103657324.1/34
All: -1.583+/-0.000 χ²/NDF: 118532240246.1

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:594511.4/15

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:674444.2/13

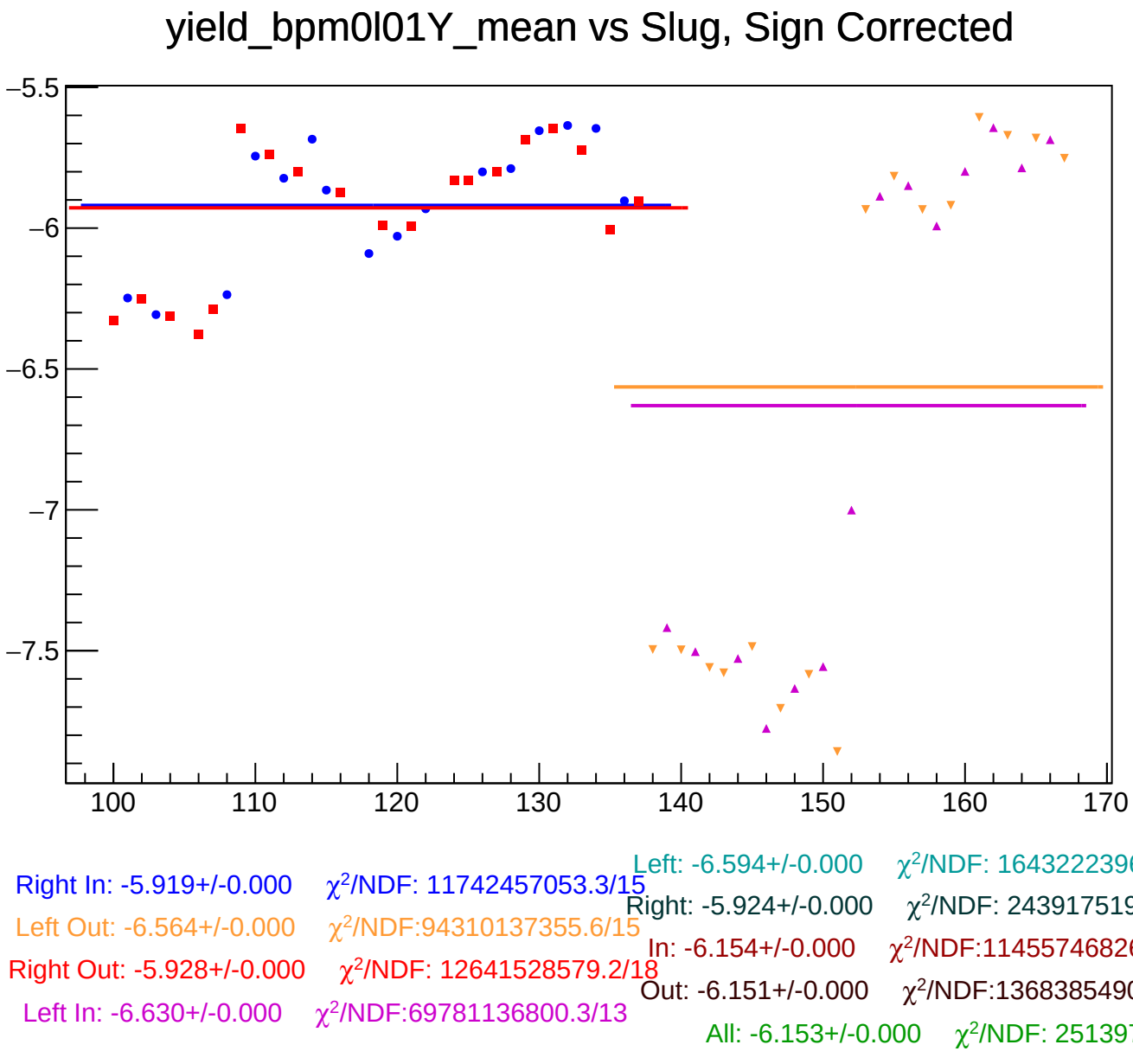
Left: 0.007+/-0.000 χ^2/NDF: 1273793.8/29

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

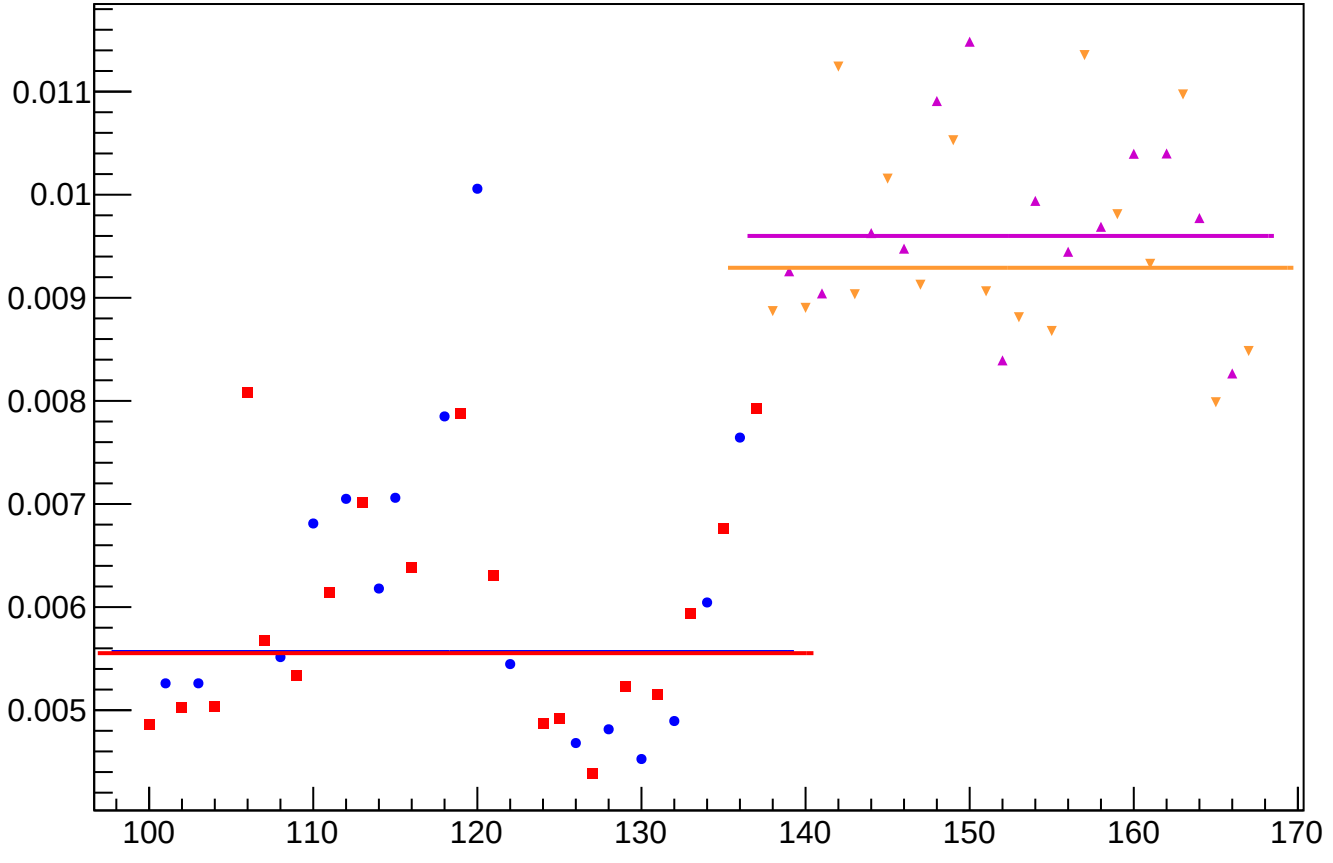
In: 0.007+/-0.000 χ^2/NDF:913142.4/29

Out: 0.007+/-0.000 χ^2/NDF:843407.3/34

All: 0.007+/-0.000 χ^2/NDF: 1769443.7/64


yield_bpm0l01Y_mean vs Slug, Sign Corrected
−5.5
−6
−6.5
−7
−7.5
100
110
120
130
140
150
160
170
Right In: -5.919+/-0.000 χ²/NDF: 11742457053.3/15
Left Out: -6.564+/-0.000 χ²/NDF:94310137355.6/15
Right Out: -5.928+/-0.000 χ²/NDF: 12641528579.2/18
Left In: -6.630+/-0.000 χ²/NDF:69781136800.3/13
Left: -6.594+/-0.000 χ²/NDF: 164322239647.4/29
Right: -5.924+/-0.000 χ²/NDF: 24391751979.3/34
In: -6.154+/-0.000 χ²/NDF:114557468263.5/29
Out: -6.151+/-0.000 χ²/NDF:136838549047.7/34
All: -6.153+/-0.000 χ²/NDF: 251397127964.0

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:188200.2/15

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:137804.0/13

Left: 0.009+/-0.000 χ^2/NDF: 336039.4/29

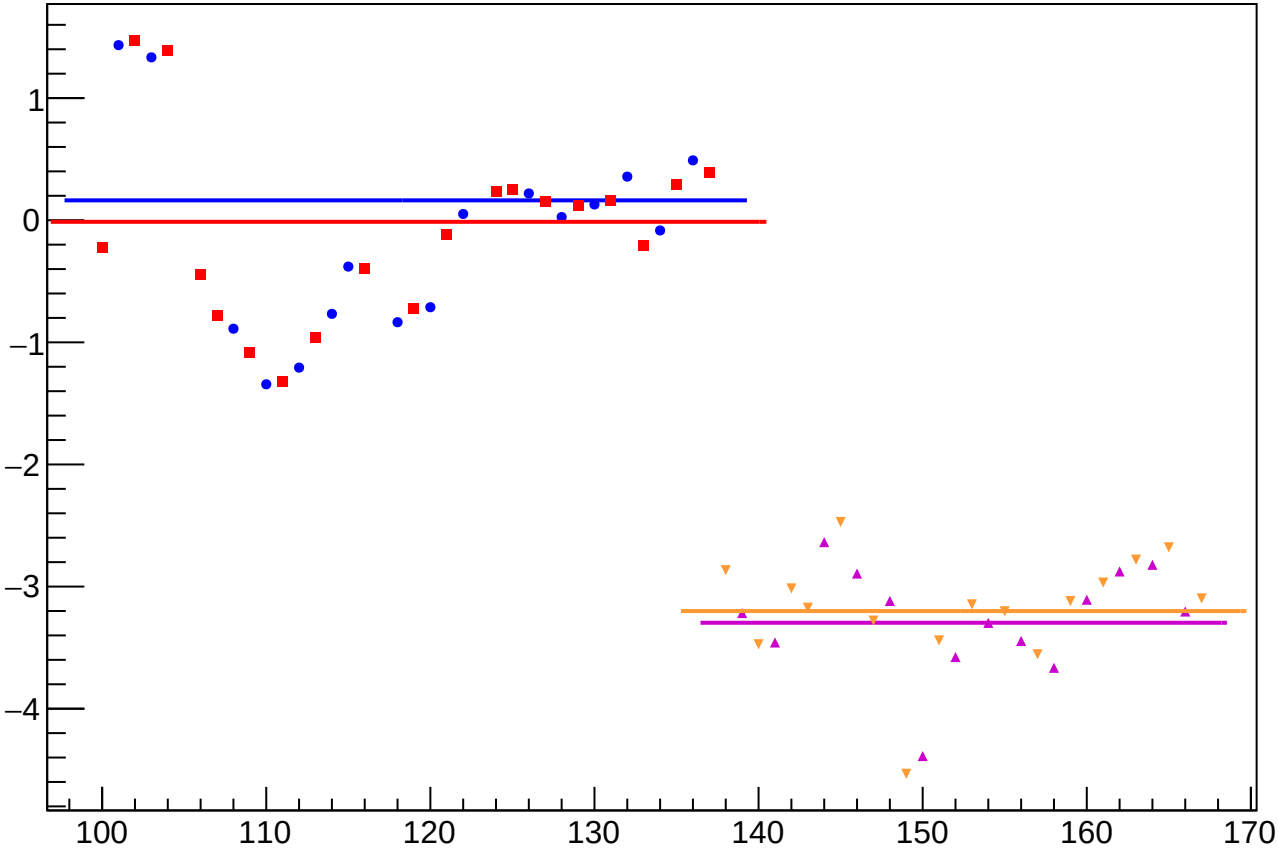
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2763577.8/29

Out: 0.007+/-0.000 χ^2/NDF:2619224.4/34

All: 0.007+/-0.000 χ^2/NDF: 5383097.8/64

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.201+/-0.000 χ^2/NDF:8101871415.0/15

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.296+/-0.000 χ^2/NDF:6281482924.9/13

Left: -3.245+/-0.000 χ^2/NDF: 14551221172.8/29

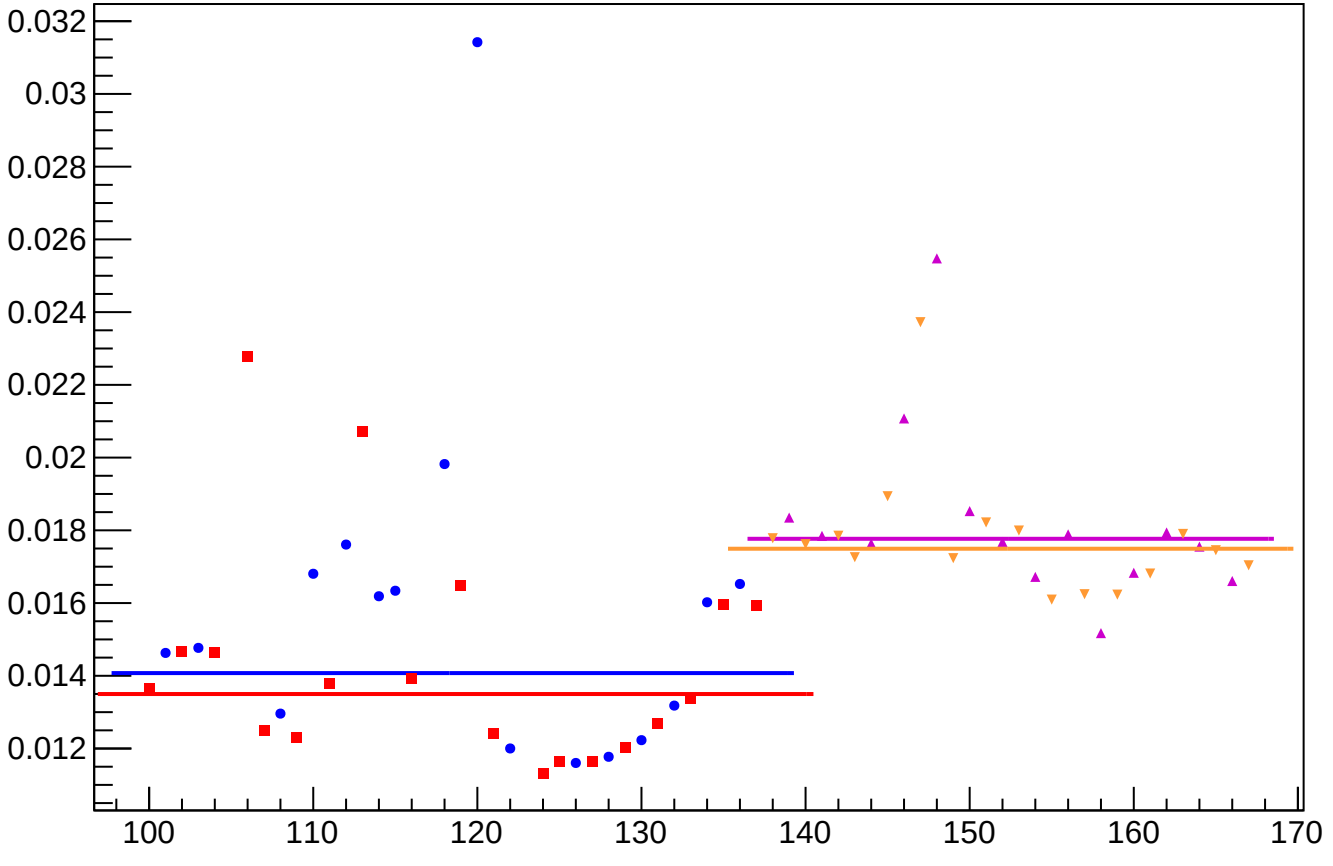
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.634+/-0.000 χ^2/NDF:222043270010.1/29

Out: -1.646+/-0.000 χ^2/NDF:224178307812.2/34

All: -1.641+/-0.000 χ^2/NDF: 446227216985.9

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:153612.4/15

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:249278.9/13

Left: 0.018+/-0.000 χ^2/NDF: 405623.7/29

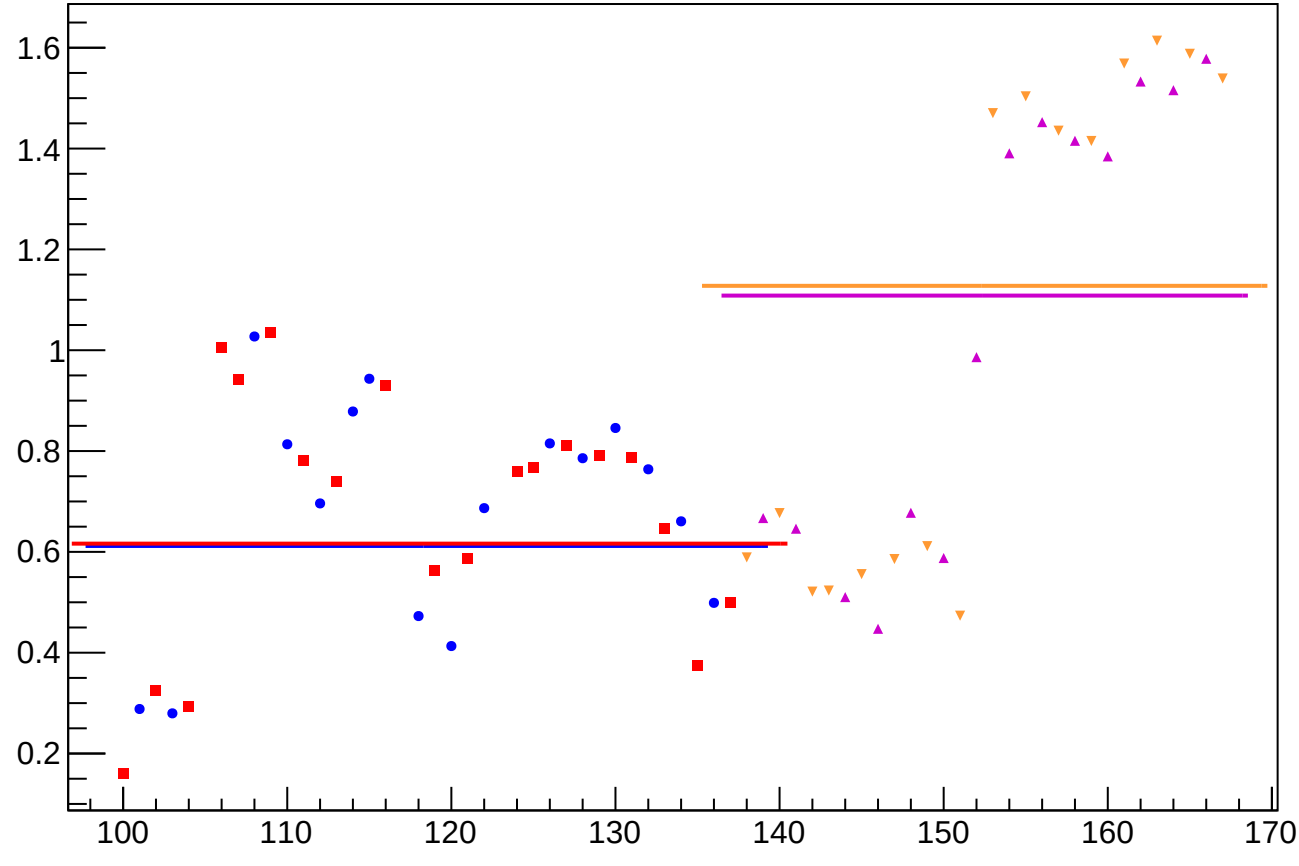
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1165653.8/29

Out: 0.016+/-0.000 χ^2/NDF:1076724.9/34

All: 0.016+/-0.000 χ^2/NDF: 2256501.7/64

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.128+/-0.000 χ^2/NDF:38354570430.5/15

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.108+/-0.000 χ^2/NDF:28532720888.2/13

Left: 1.118+/-0.000 χ^2/NDF: 66919681952.0/29

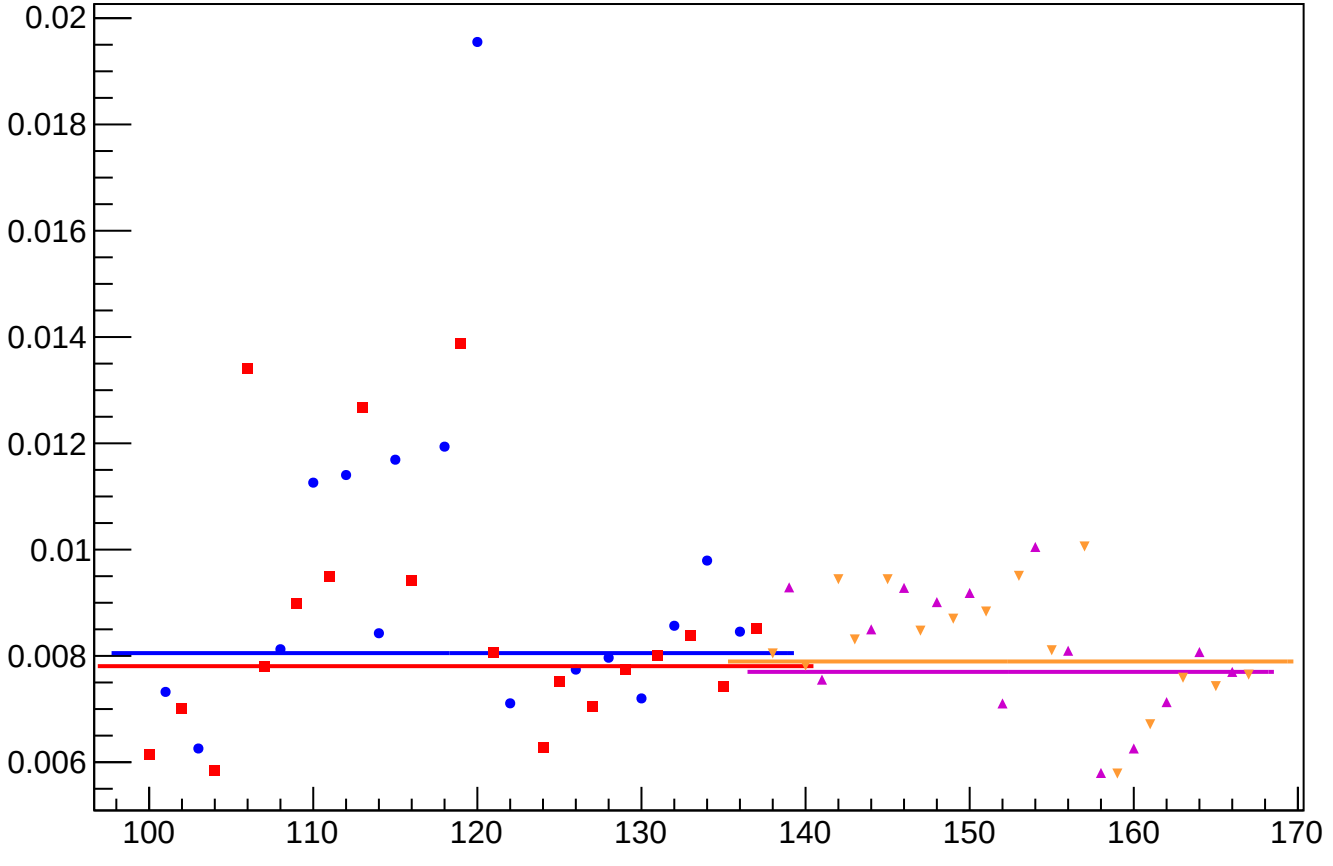
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.931+/-0.000 χ^2/NDF:49140516602.5/29

Out: 0.936+/-0.000 χ^2/NDF:61988398207.8/34

All: 0.934+/-0.000 χ^2/NDF: 111132978735.7

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:467966.5/15

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:537369.5/13

Left: 0.008+/-0.000 χ^2/NDF: 1011957.8/29

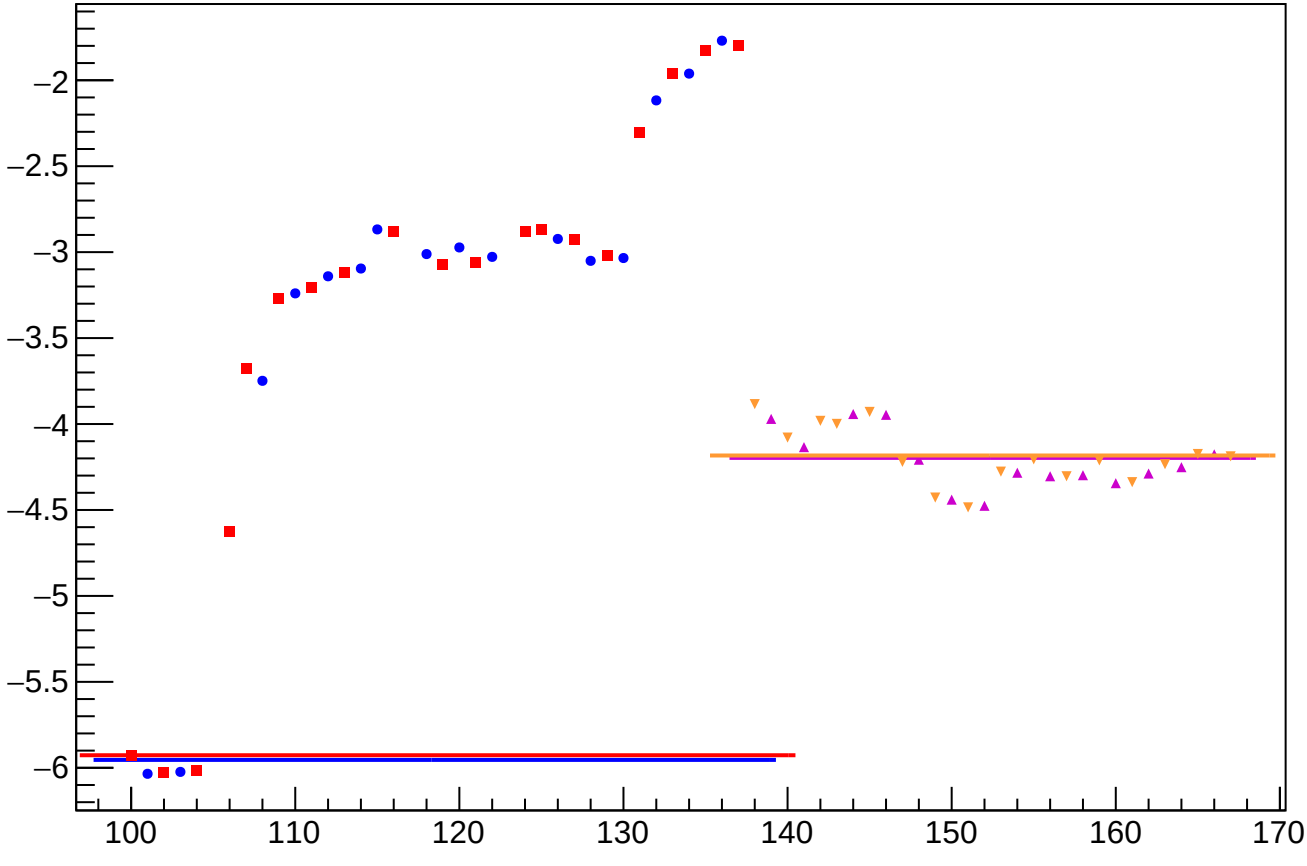
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1150814.8/29

Out: 0.008+/-0.000 χ^2/NDF:1056149.0/34

All: 0.008+/-0.000 χ^2/NDF: 2207326.7/64

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.183+/-0.000 χ^2/NDF:52564170.8/15

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.197+/-0.000 χ^2/NDF:39990453.8/13

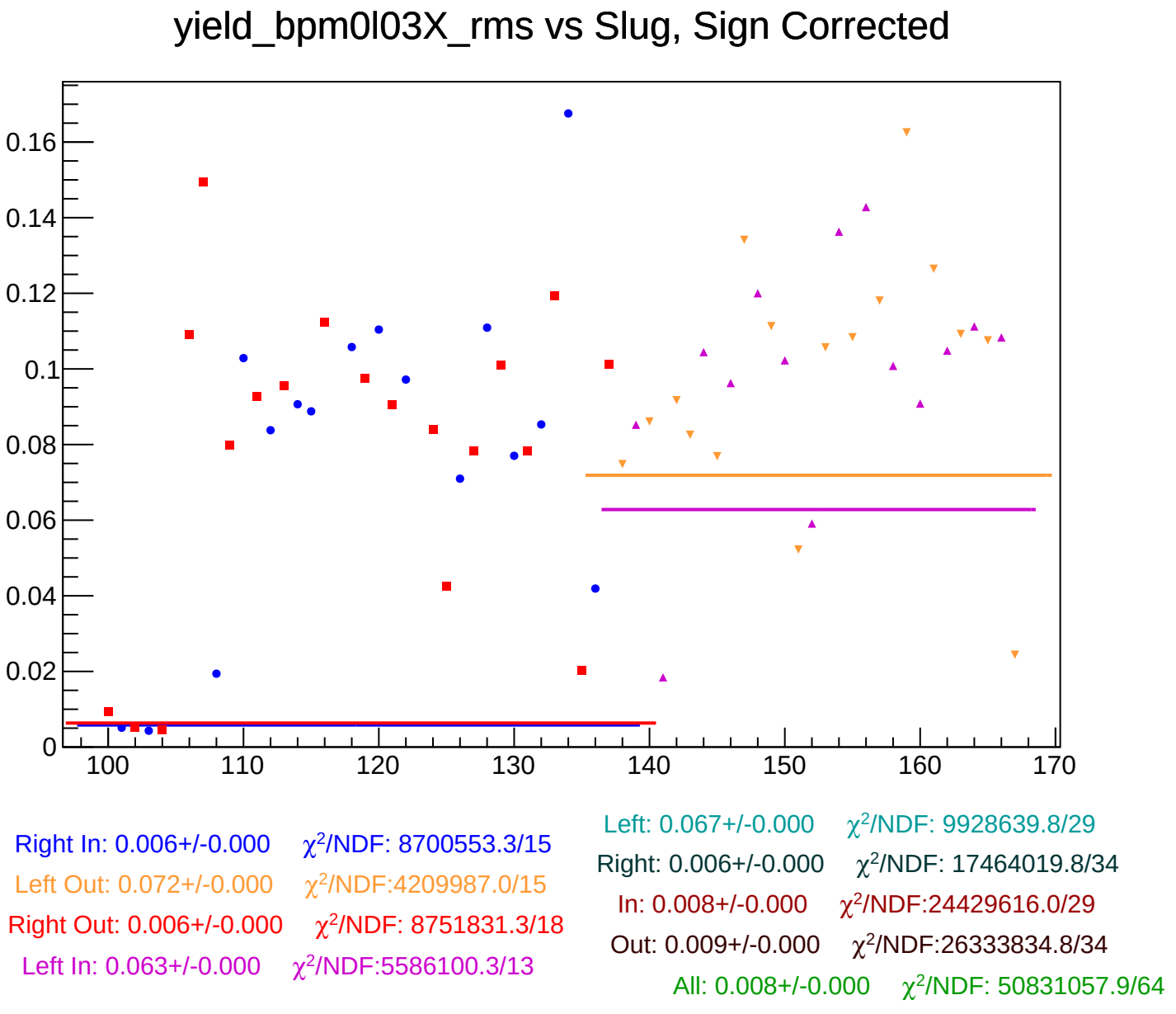
Left: -4.190+/-0.000 χ^2/NDF: 92710441.9/29

Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

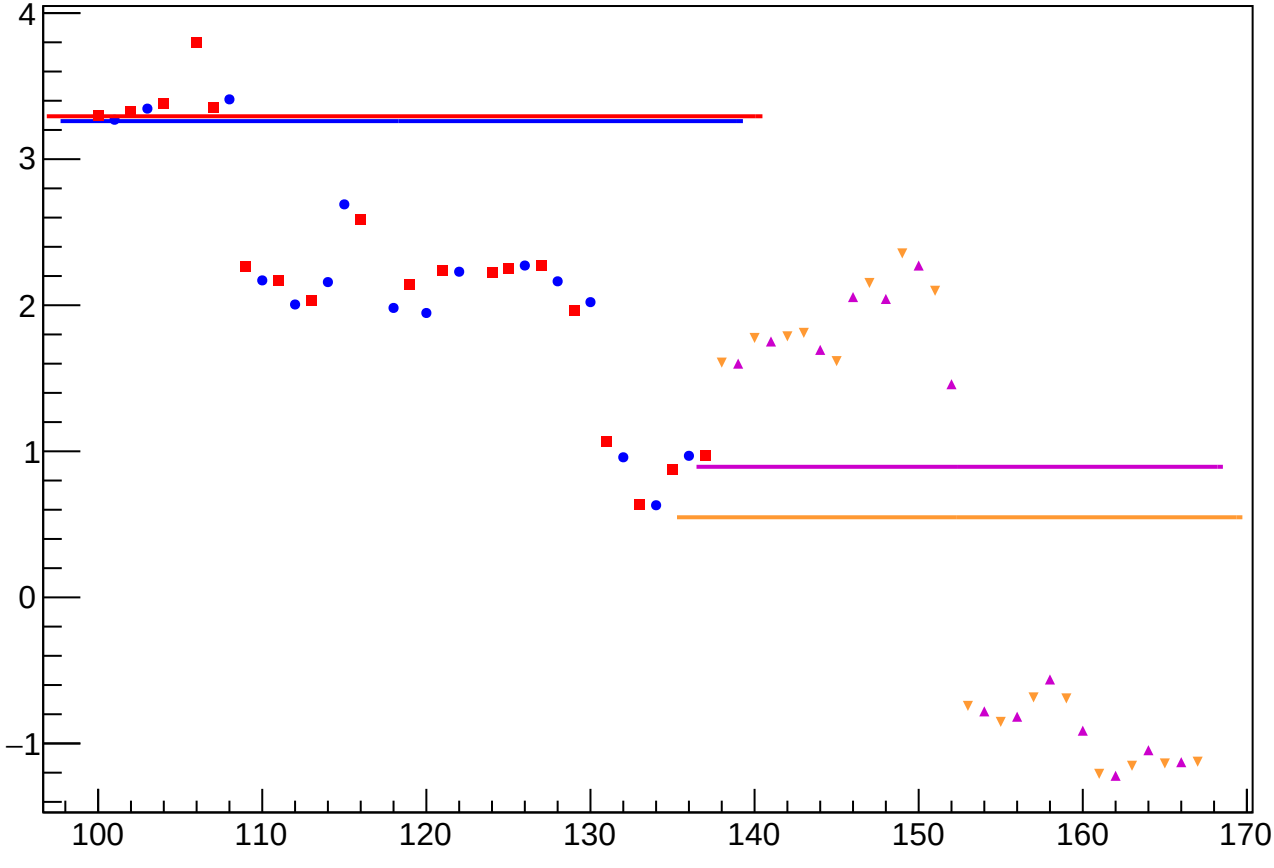
In: -5.901+/-0.000 χ^2/NDF:17964606721.9/29

Out: -5.863+/-0.000 χ^2/NDF:18710635944.6/34

All: -5.884+/-0.000 χ^2/NDF: 36710134434.2/


yield_bpm0l03X_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.006+/-0.000 χ²/NDF: 8700553.3/15
Left Out: 0.072+/-0.000 χ²/NDF:4209987.0/15
Right Out: 0.006+/-0.000 χ²/NDF: 8751831.3/18
Left In: 0.063+/-0.000 χ²/NDF:5586100.3/13
Left: 0.067+/-0.000 χ²/NDF: 9928639.8/29
Right: 0.006+/-0.000 χ²/NDF: 17464019.8/34
In: 0.008+/-0.000 χ²/NDF:24429616.0/29
Out: 0.009+/-0.000 χ²/NDF:26333834.8/34
All: 0.008+/-0.000 χ²/NDF: 50831057.9/64

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.548+/-0.000 χ^2/NDF:2803422920.4/15

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.894+/-0.000 χ^2/NDF:1782963905.5/13

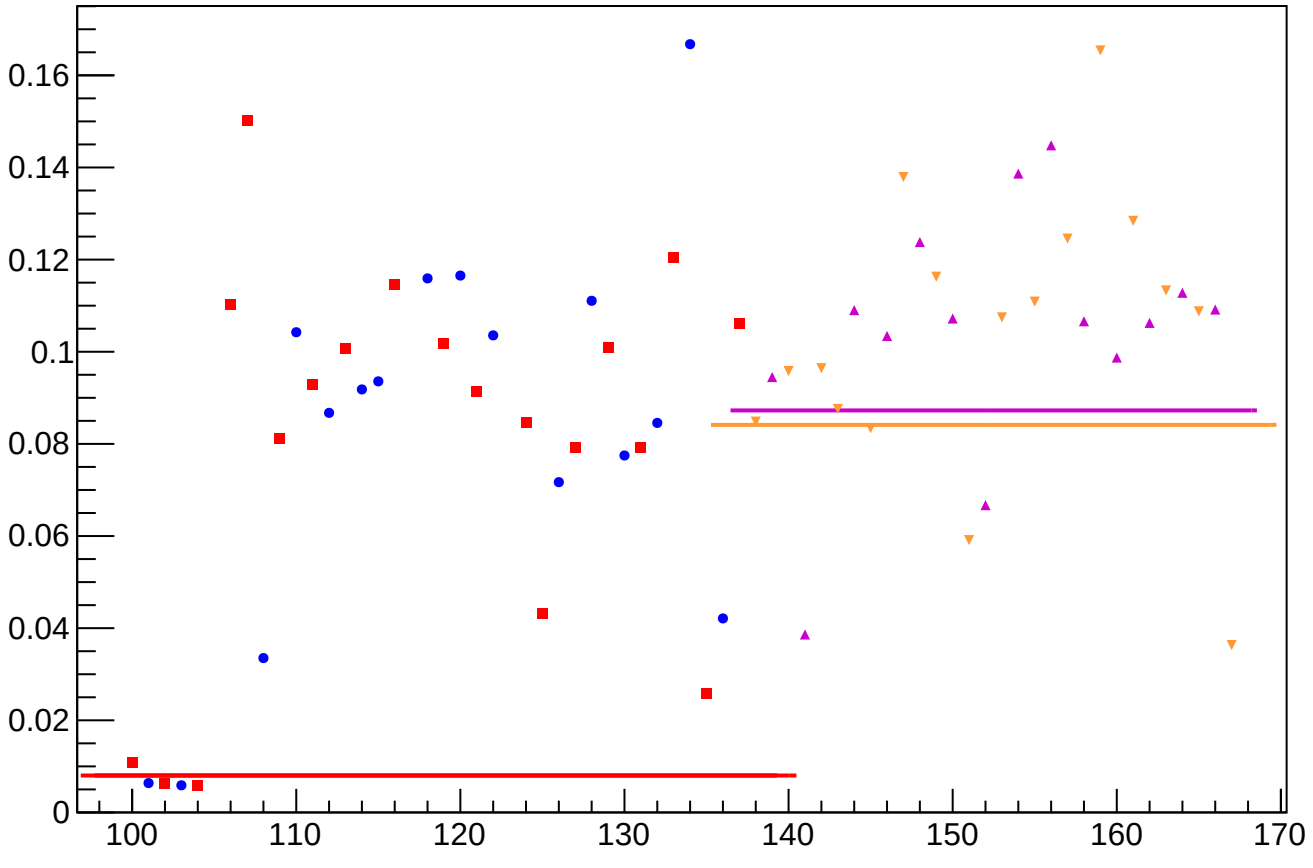
Left: 0.705+/-0.000 χ^2/NDF: 4657379513.2/29

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.180+/-0.000 χ^2/NDF:10679481214.3/29

Out: 3.176+/-0.000 χ^2/NDF:15495040025.9/34

All: 3.178+/-0.000 χ^2/NDF: 26174811665.5/6



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.084+/-0.000 χ^2/NDF:2748913.3/15

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.087+/-0.000 χ^2/NDF:2242713.6/13

Left: 0.086+/-0.000 χ^2/NDF: 5003347.1/29

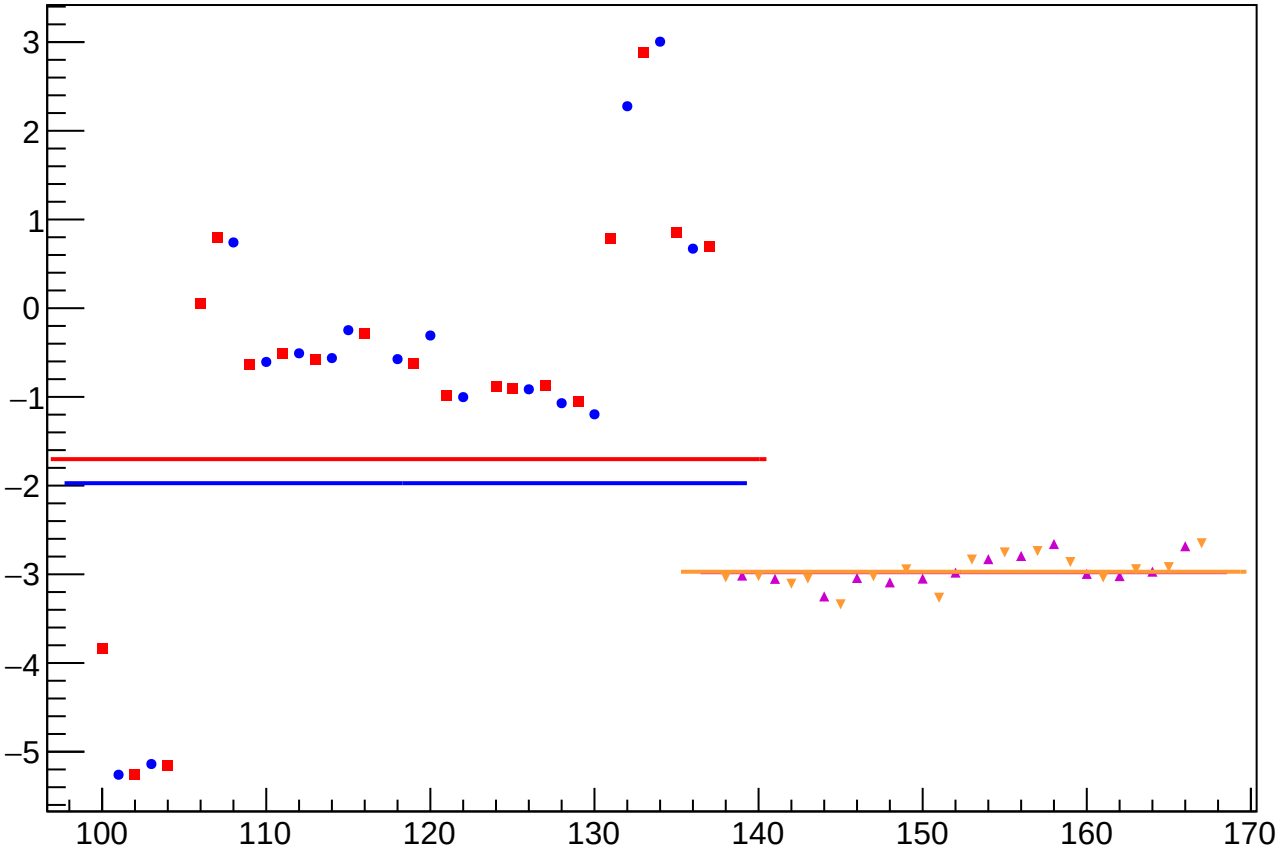
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.011+/-0.000 χ^2/NDF:23860348.4/29

Out: 0.011+/-0.000 χ^2/NDF:25813808.0/34

All: 0.011+/-0.000 χ^2/NDF: 49684439.4/64

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.971+/-0.000 χ^2/NDF:5828667808.1/15

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.976+/-0.000 χ^2/NDF:3859471656.1/13

Left: -2.973+/-0.000 χ^2/NDF: 9690200565.4/29

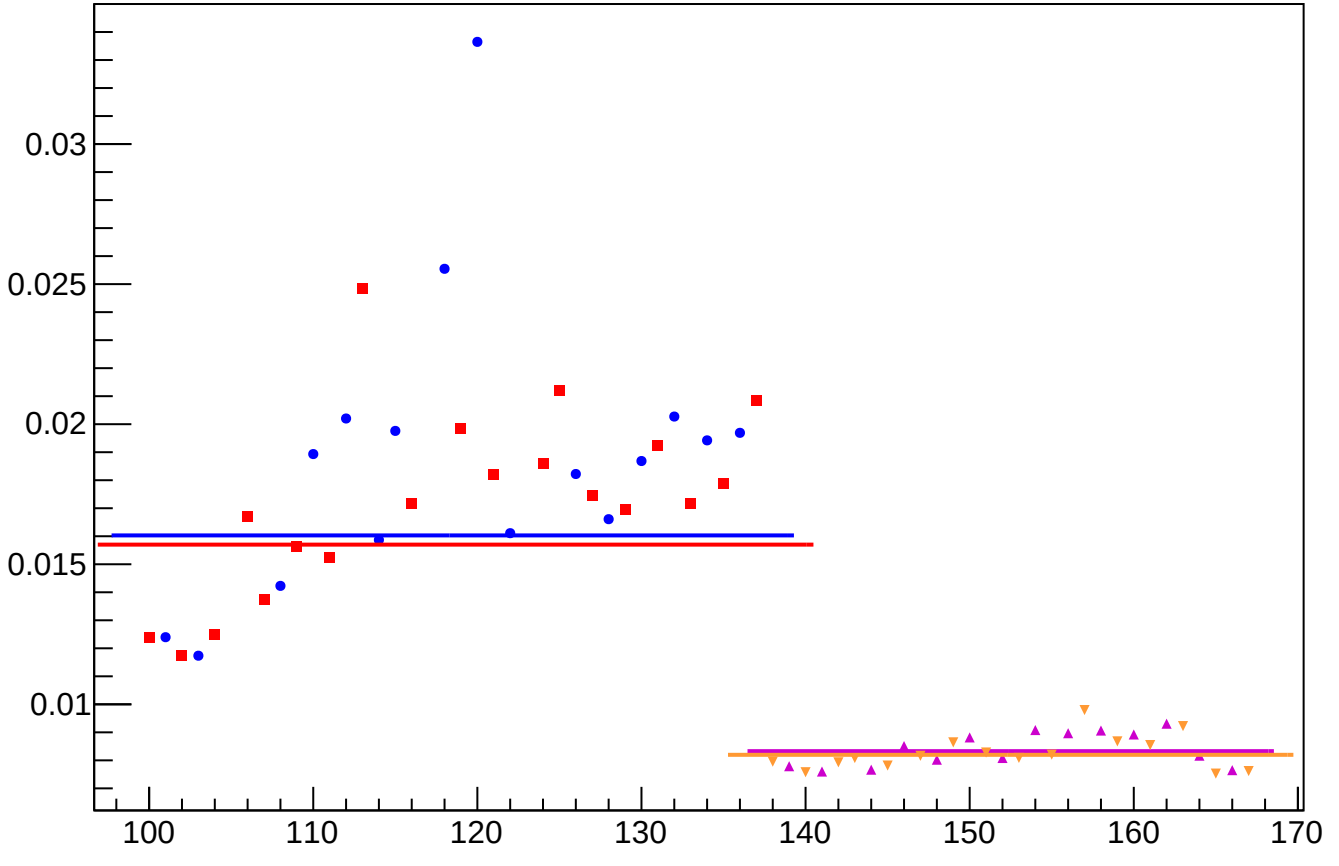
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.849+/-0.000 χ^2/NDF:185759582944.4/29

Out: -2.809+/-0.000 χ^2/NDF:210314637085.8/34

All: -2.828+/-0.000 χ^2/NDF: 396225036404.5

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:107447.7/15

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:108867.9/13

Left: 0.008+/-0.000 χ^2/NDF: 219171.5/29

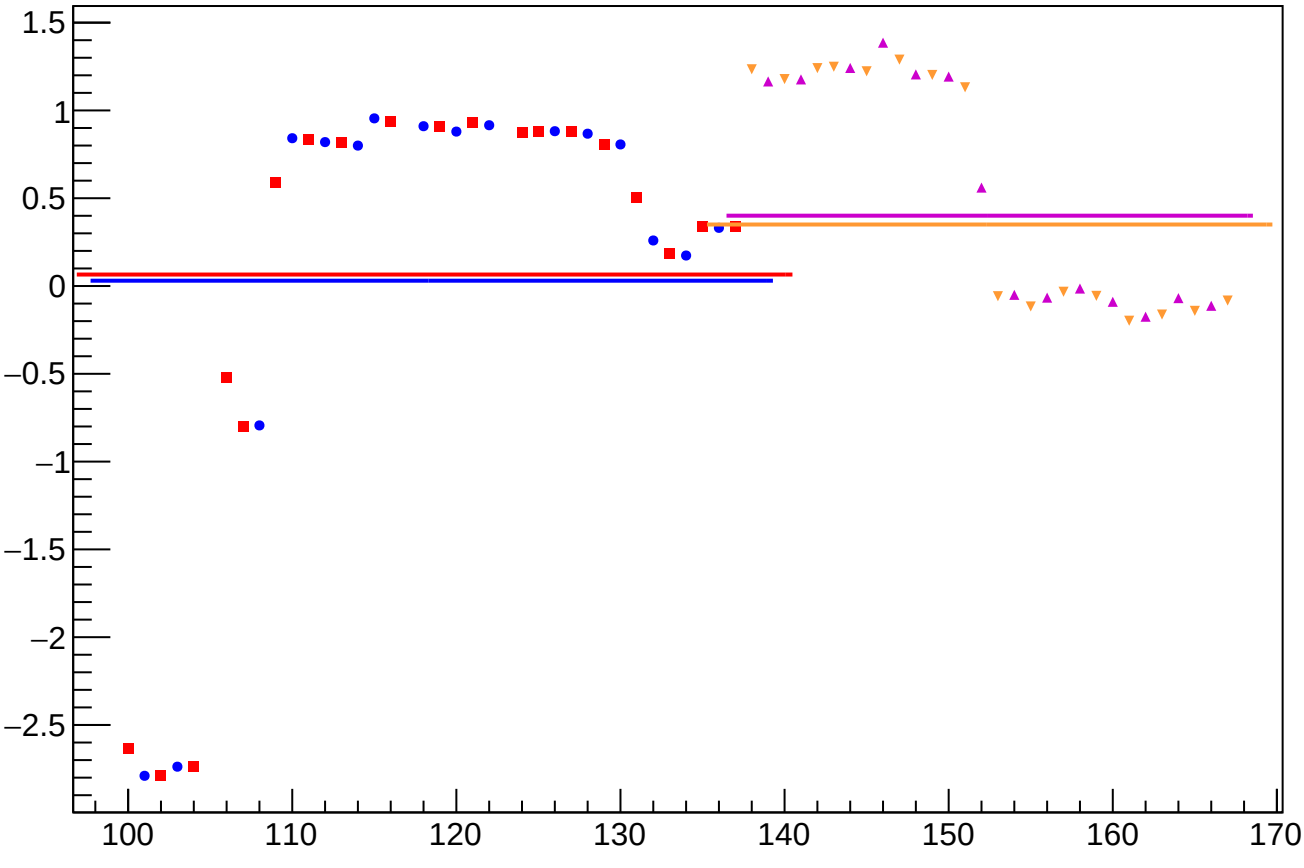
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3191971.7/29

Out: 0.009+/-0.000 χ^2/NDF:3150303.7/34

All: 0.009+/-0.000 χ^2/NDF: 6346504.1/64

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.350+/-0.000 χ^2/NDF:92446587535.7/15

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.401+/-0.000 χ^2/NDF:72101676083.9/13

Left: 0.373+/-0.000 χ^2/NDF: 164819861768.4/29

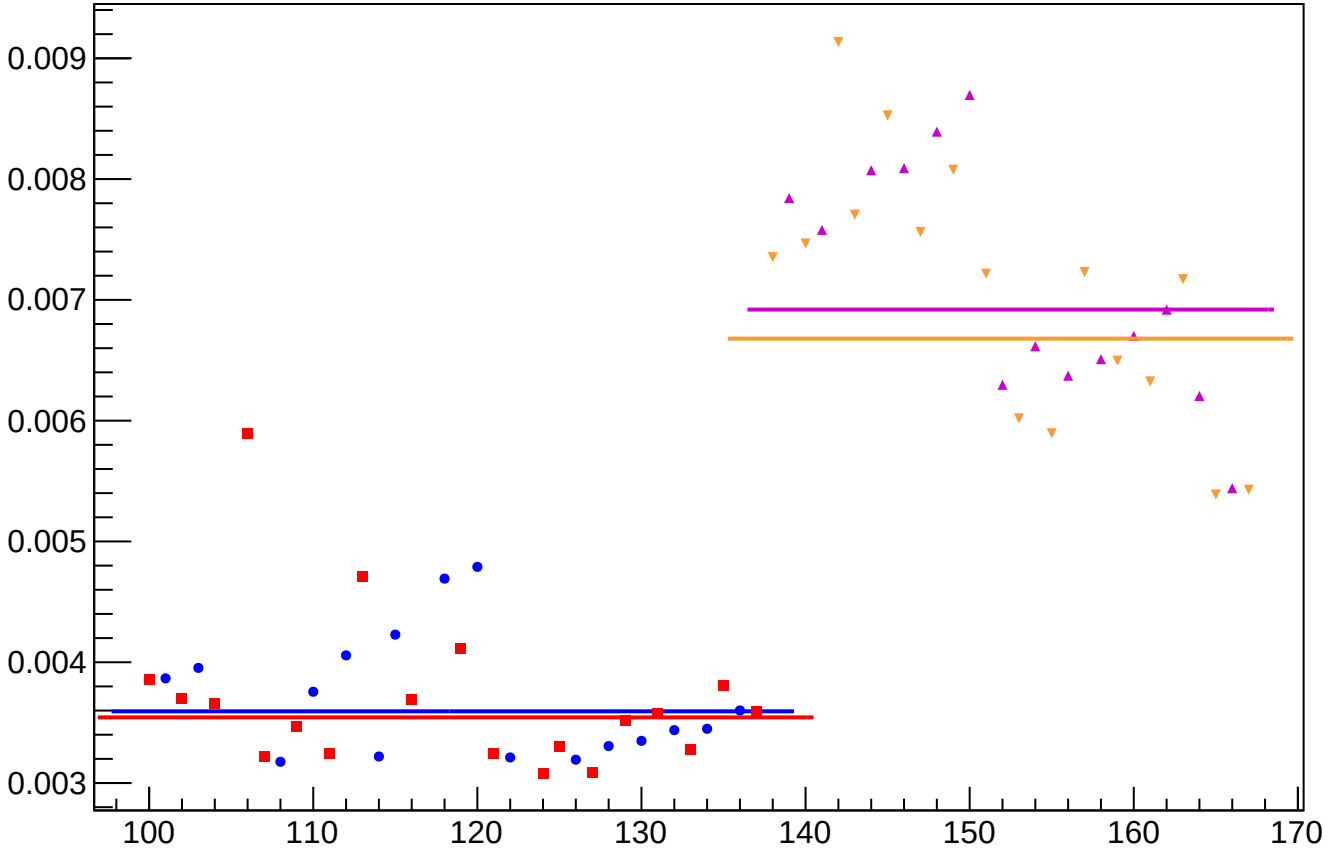
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.133+/-0.000 χ^2/NDF:943547507158.4/29

Out: 0.149+/-0.000 χ^2/NDF:1041278396527.0/34

All: 0.141+/-0.000 χ^2/NDF: 1984926842057.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:439567.3/15

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:323873.1/13

Left: 0.007+/-0.000 χ^2/NDF: 775876.9/29

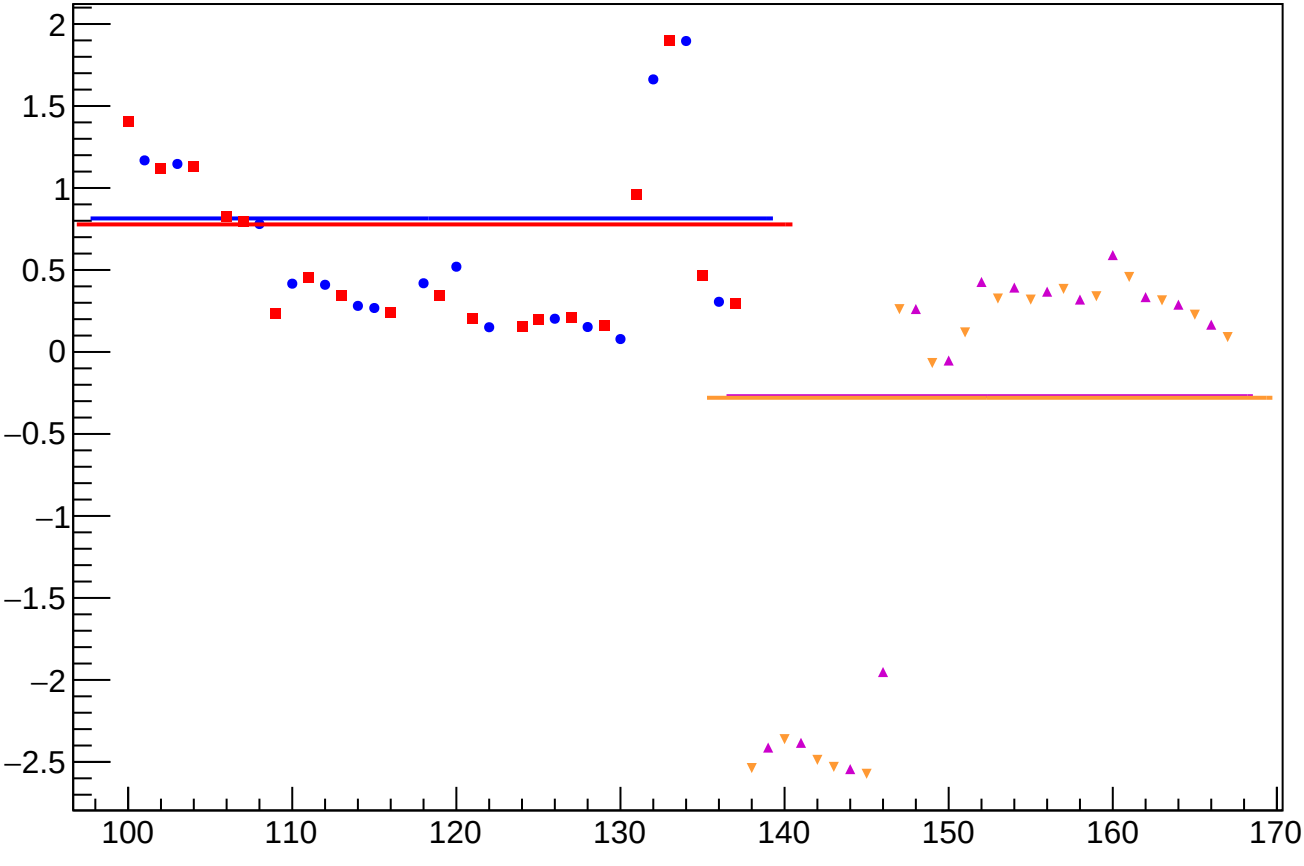
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3693597.1/29

Out: 0.004+/-0.000 χ^2/NDF:3898357.6/34

All: 0.004+/-0.000 χ^2/NDF: 7593771.7/64

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.279+/-0.000 χ^2/NDF:358075475412.1/15

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.270+/-0.000 χ^2/NDF:319558655874.6/13

Left: -0.275+/-0.000 χ^2/NDF: 677646932595.5/29

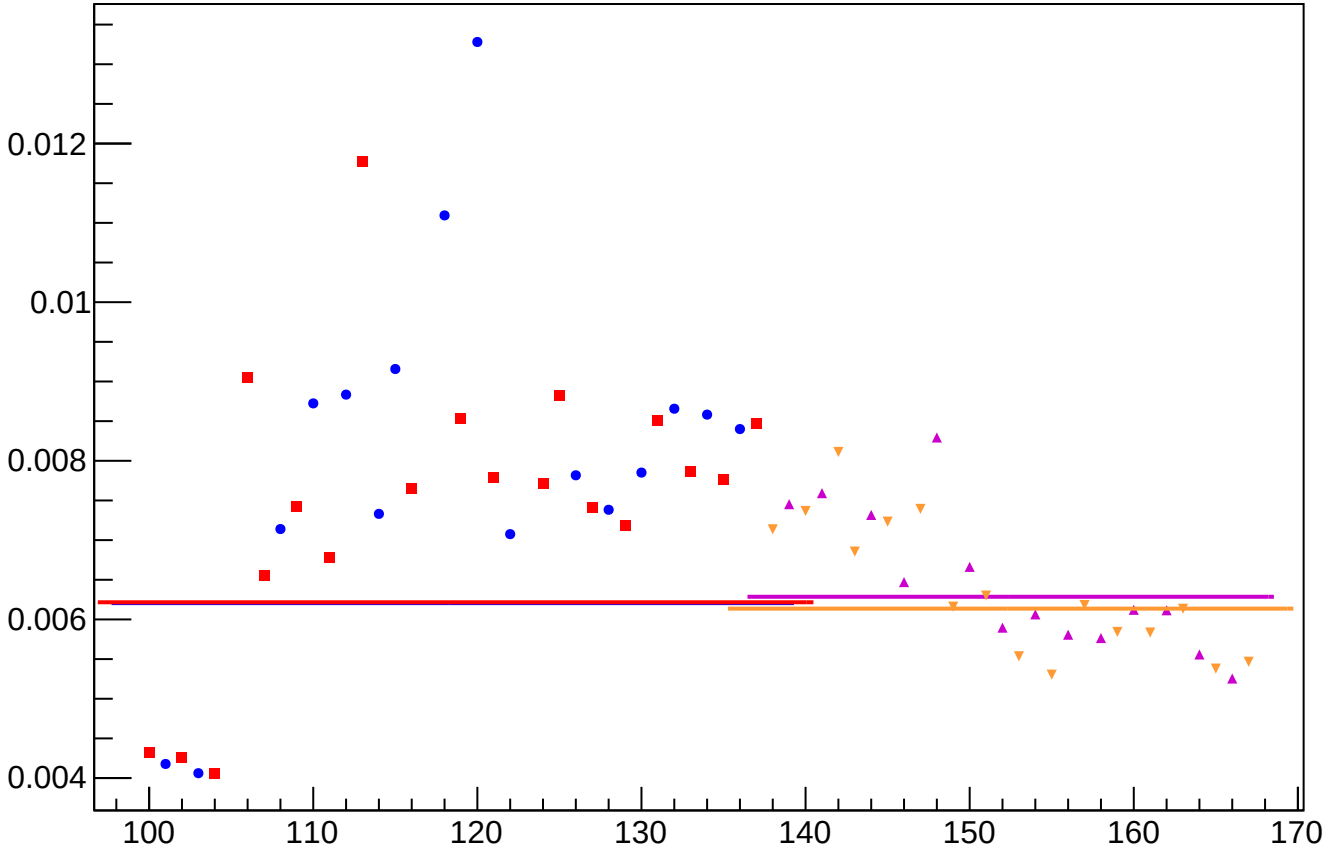
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.116+/-0.000 χ^2/NDF:464222643315.4/29

Out: 0.084+/-0.000 χ^2/NDF:506709903691.8/34

All: 0.099+/-0.000 χ^2/NDF: 971151550812.3

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:309244.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:304657.0/13

Left: 0.006+/-0.000 χ^2/NDF: 620115.0/29

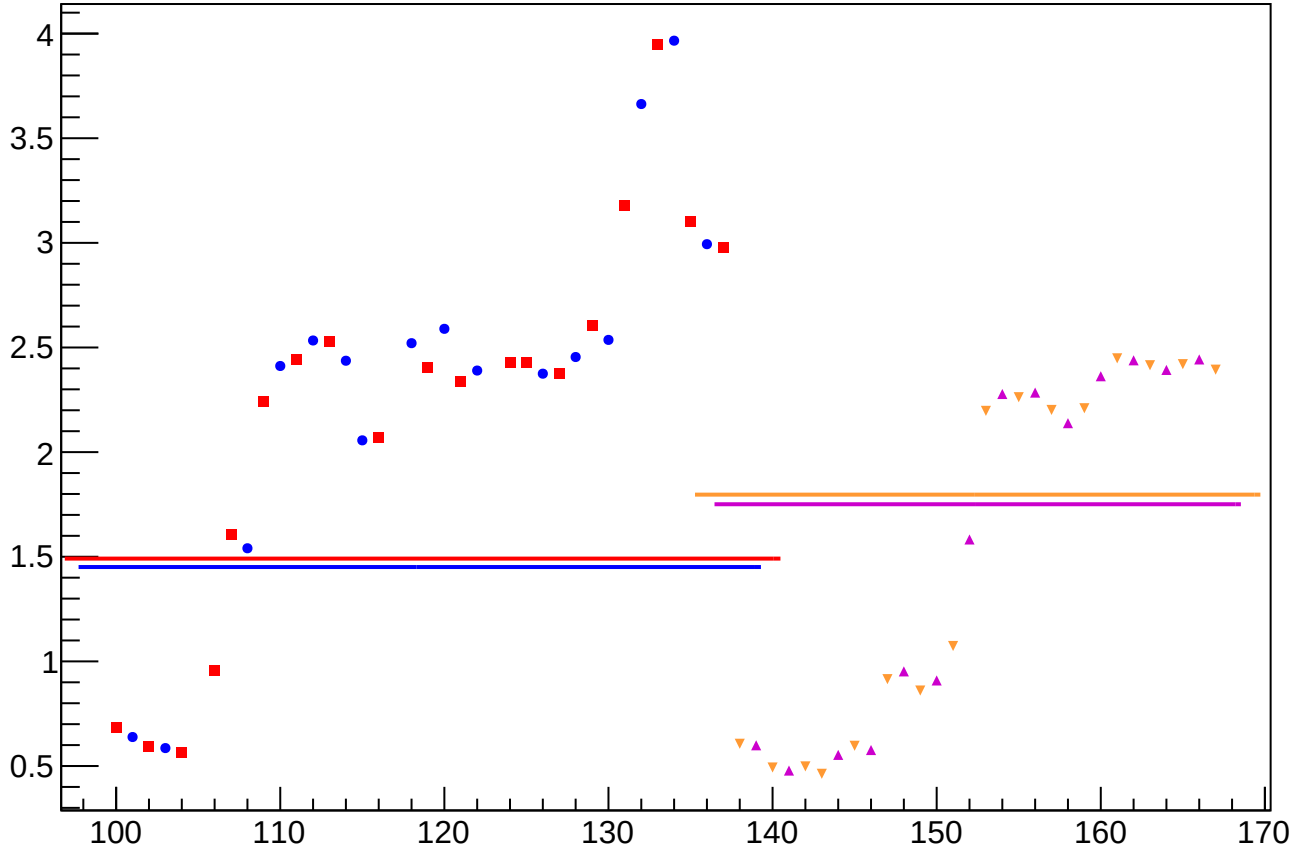
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1729727.0/29

Out: 0.006+/-0.000 χ^2/NDF:1471669.4/34

All: 0.006+/-0.000 χ^2/NDF: 3205145.1/64

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.797+/-0.000 χ^2/NDF:187989274310.2/15

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.751+/-0.000 χ^2/NDF:154351748342.5/13

Left: 1.776+/-0.000 χ^2/NDF: 342643849896.0/29

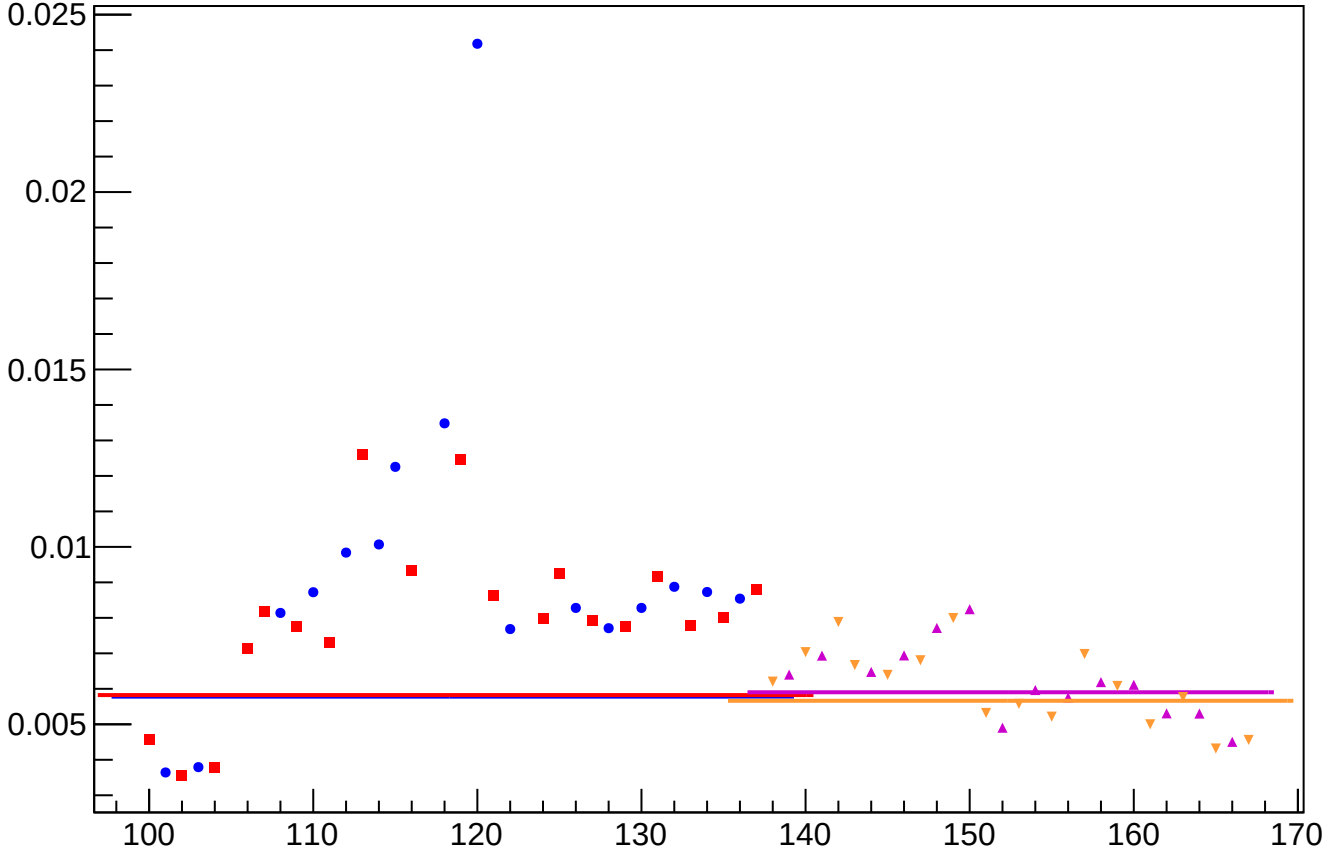
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.642+/-0.000 χ^2/NDF:332588879389.4/29

Out: 1.693+/-0.000 χ^2/NDF:384898575510.5/34

All: 1.669+/-0.000 χ^2/NDF: 718057134576.3

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:591901.5/15

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:464691.3/13

Left: 0.006+/-0.000 χ^2/NDF: 1073111.6/29

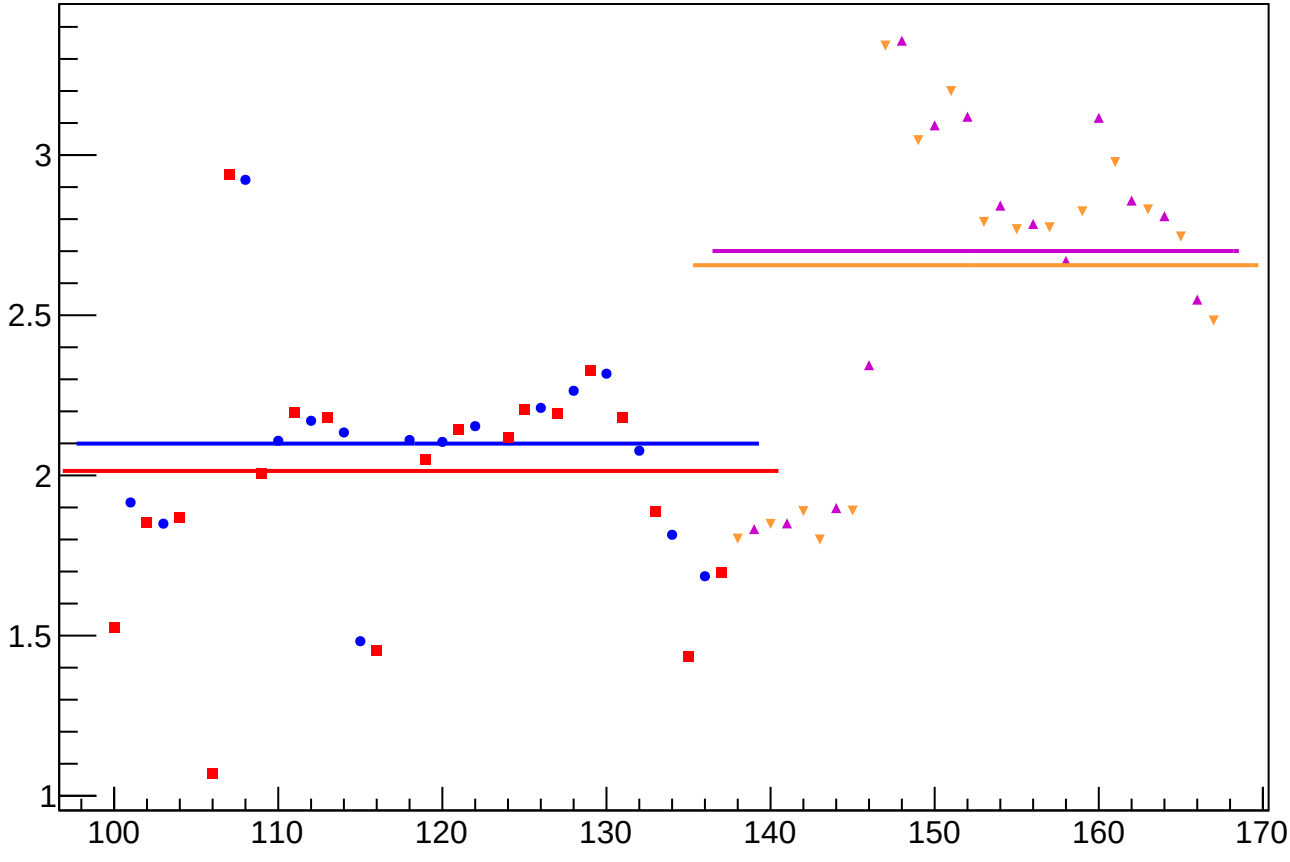
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2681452.9/29

Out: 0.006+/-0.000 χ^2/NDF:2553156.0/34

All: 0.006+/-0.000 χ^2/NDF: 5243407.2/64

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.656+/-0.000 χ^2/NDF:43394309198.8/15

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.700+/-0.000 χ^2/NDF:36455180508.2/13

Left: 2.677+/-0.000 χ^2/NDF: 80026834486.7/29

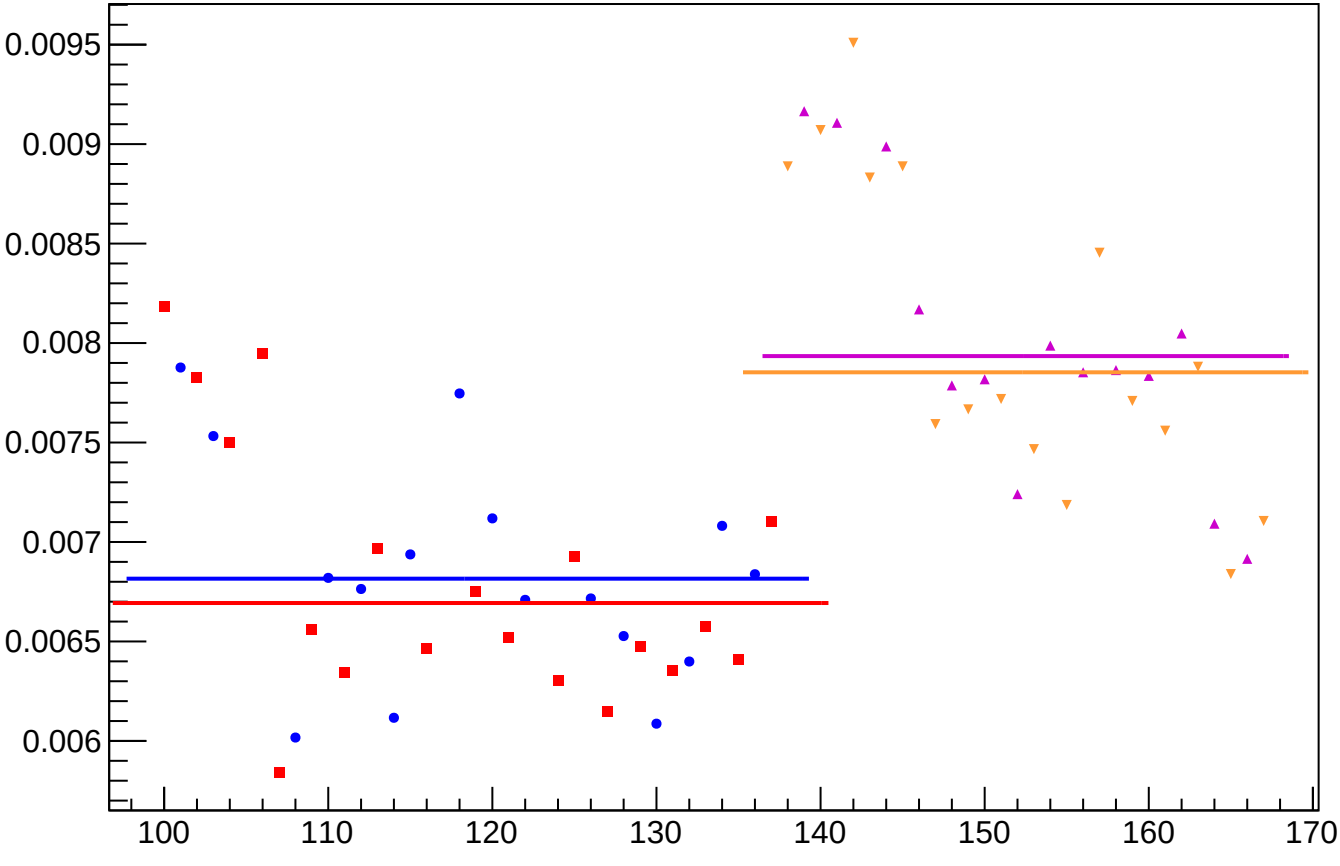
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.424+/-0.000 χ^2/NDF:79035836708.6/29

Out: 2.363+/-0.000 χ^2/NDF:98772340667.0/34

All: 2.392+/-0.000 χ^2/NDF: 178414108509.0

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:184715.9/15

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:138735.9/13

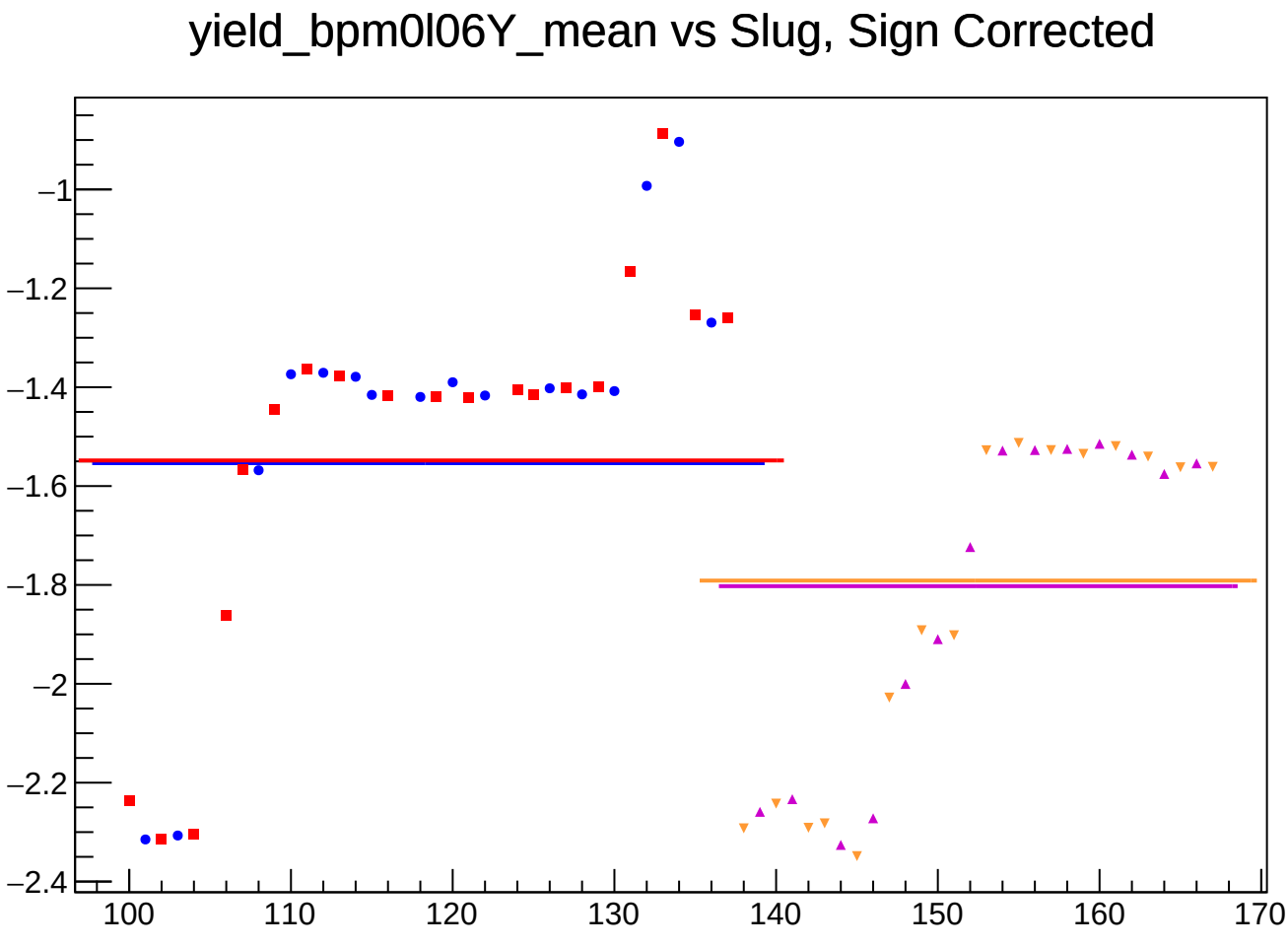
Left: 0.008+/-0.000 χ^2/NDF: 324652.1/29

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

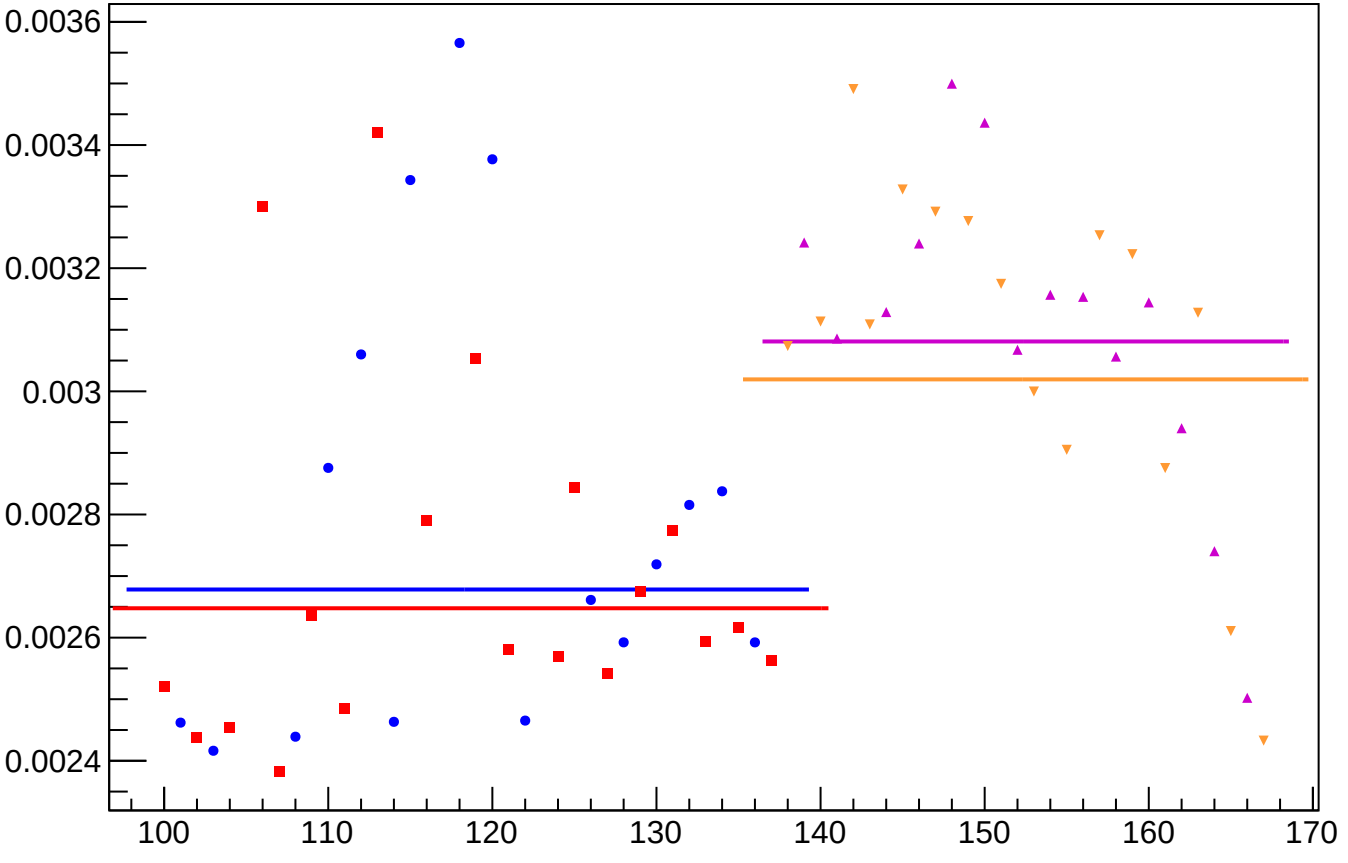
In: 0.007+/-0.000 χ^2/NDF:424013.7/29

Out: 0.007+/-0.000 χ^2/NDF:505841.4/34

All: 0.007+/-0.000 χ^2/NDF: 932867.2/64


yield_bpm0l06Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
100
110
120
130
140
150
160
170
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -1.791+/-0.000 χ²/NDF:131320219383.3/15
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: -1.802+/-0.000 χ²/NDF:114134787941.6/13
Left: -1.797+/-0.000 χ²/NDF: 245530214918.0/29
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.689+/-0.000 χ²/NDF:320852582292.9/29
Out: -1.684+/-0.000 χ²/NDF:339020859661.4/34
All: -1.686+/-0.000 χ²/NDF: 659904033919.8

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:198136.6/15

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:132308.5/13

Left: 0.003+/-0.000 χ^2/NDF: 334938.2/29

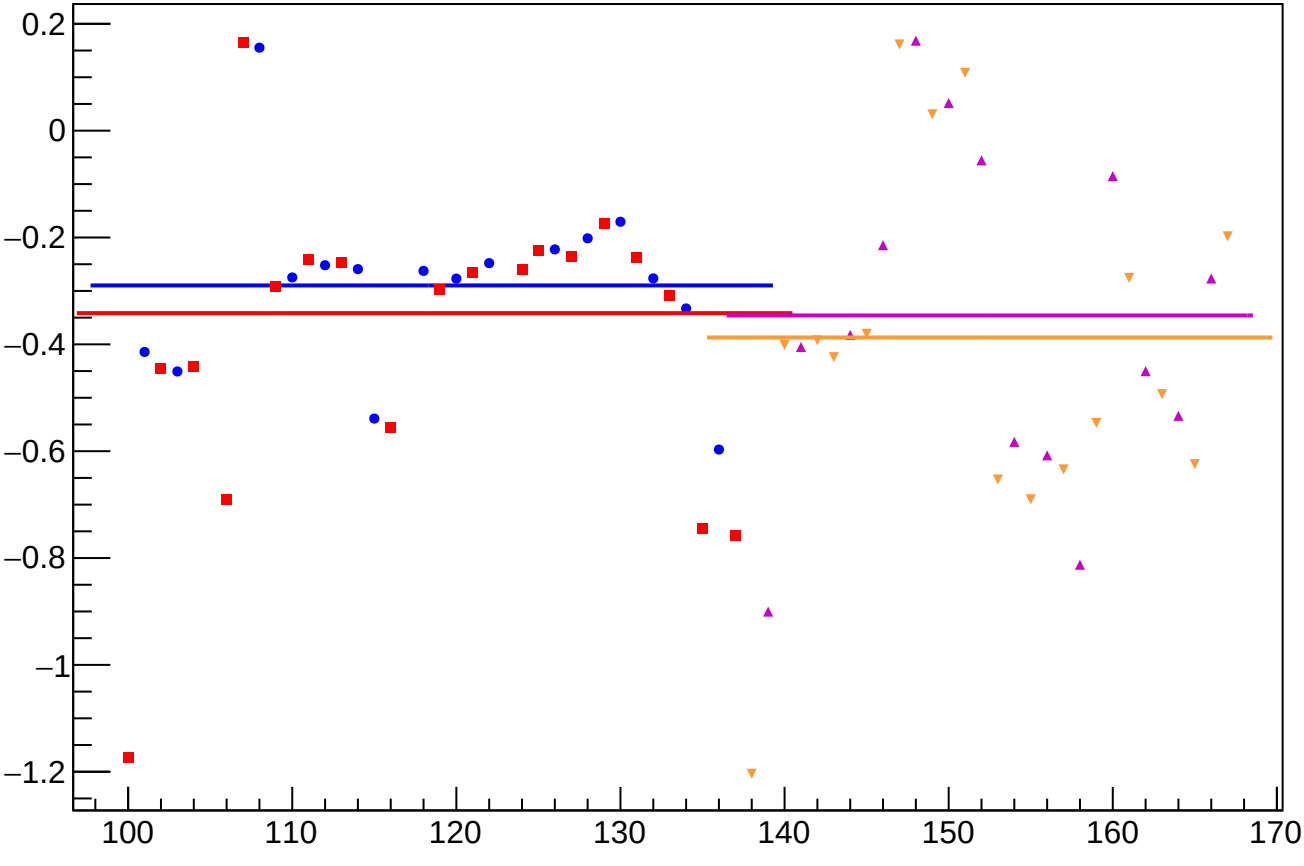
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:455478.5/29

Out: 0.003+/-0.000 χ^2/NDF:468508.4/34

All: 0.003+/-0.000 χ^2/NDF: 927855.7/64

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.387+/-0.000 χ^2/NDF:7475832128.3/15

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.346+/-0.000 χ^2/NDF:5845480964.6/13

Left: -0.368+/-0.000 χ^2/NDF: 13376414277.6/29

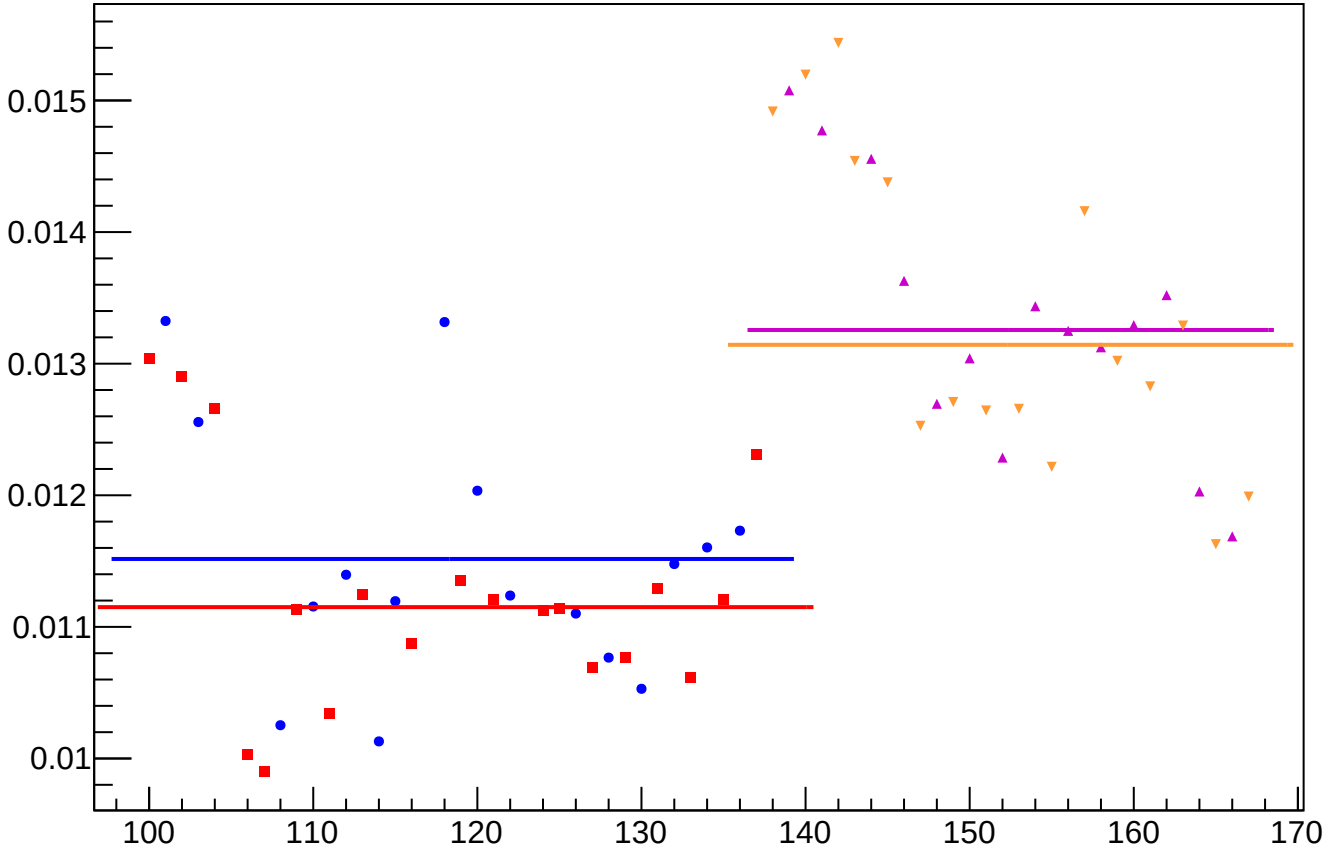
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.320+/-0.000 χ^2/NDF:7579686389.4/29

Out: -0.366+/-0.000 χ^2/NDF:10150441946.9/34

All: -0.344+/-0.000 χ^2/NDF: 17856968762.3/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:153647.4/15

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:101926.1/13

Left: 0.013+/-0.000 χ^2/NDF: 256393.4/29

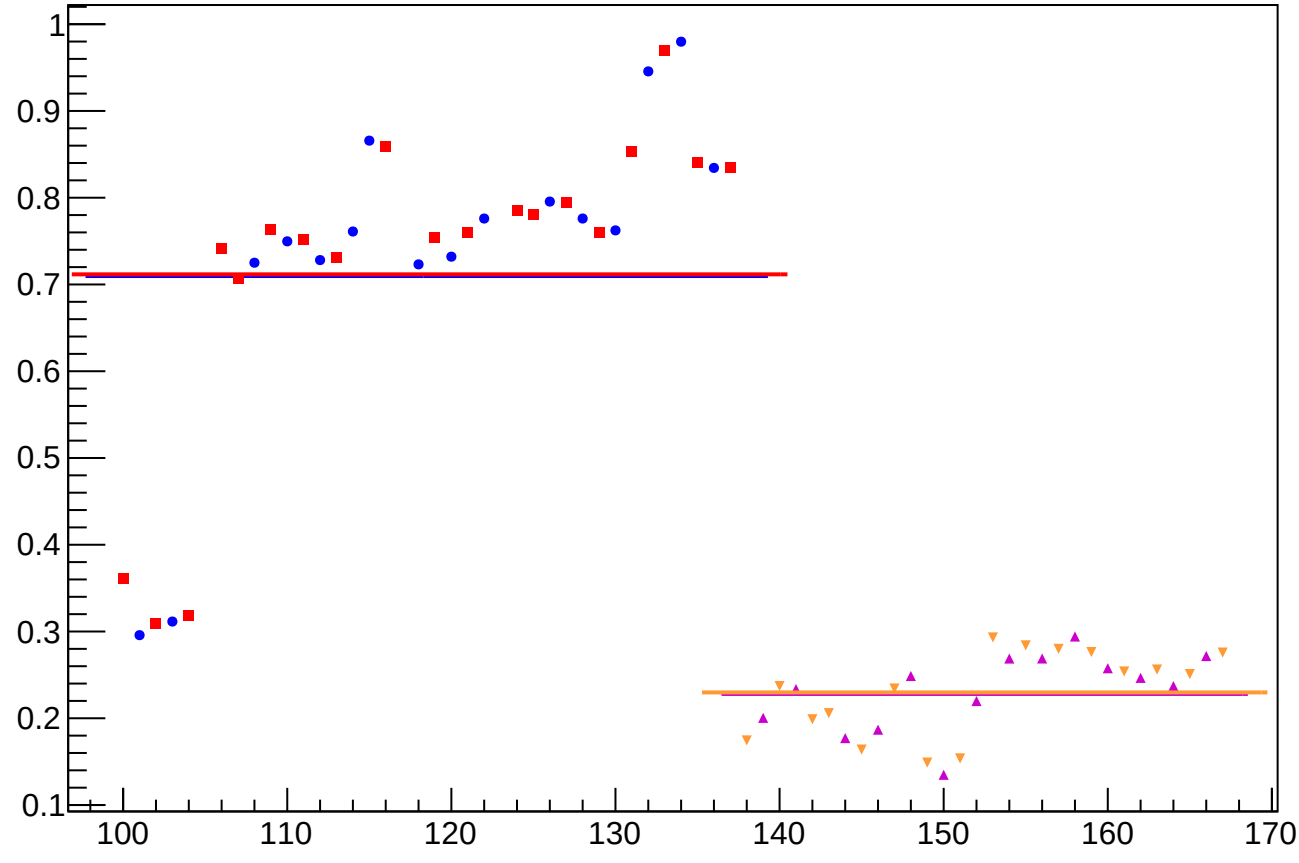
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:357034.0/29

Out: 0.012+/-0.000 χ^2/NDF:474232.7/34

All: 0.012+/-0.000 χ^2/NDF: 837767.3/64

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.230+/-0.000 χ^2/NDF:6082923307.9/15

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.228+/-0.000 χ^2/NDF:4497395835.0/13

Left: 0.229+/-0.000 χ^2/NDF: 10584136461.4/29

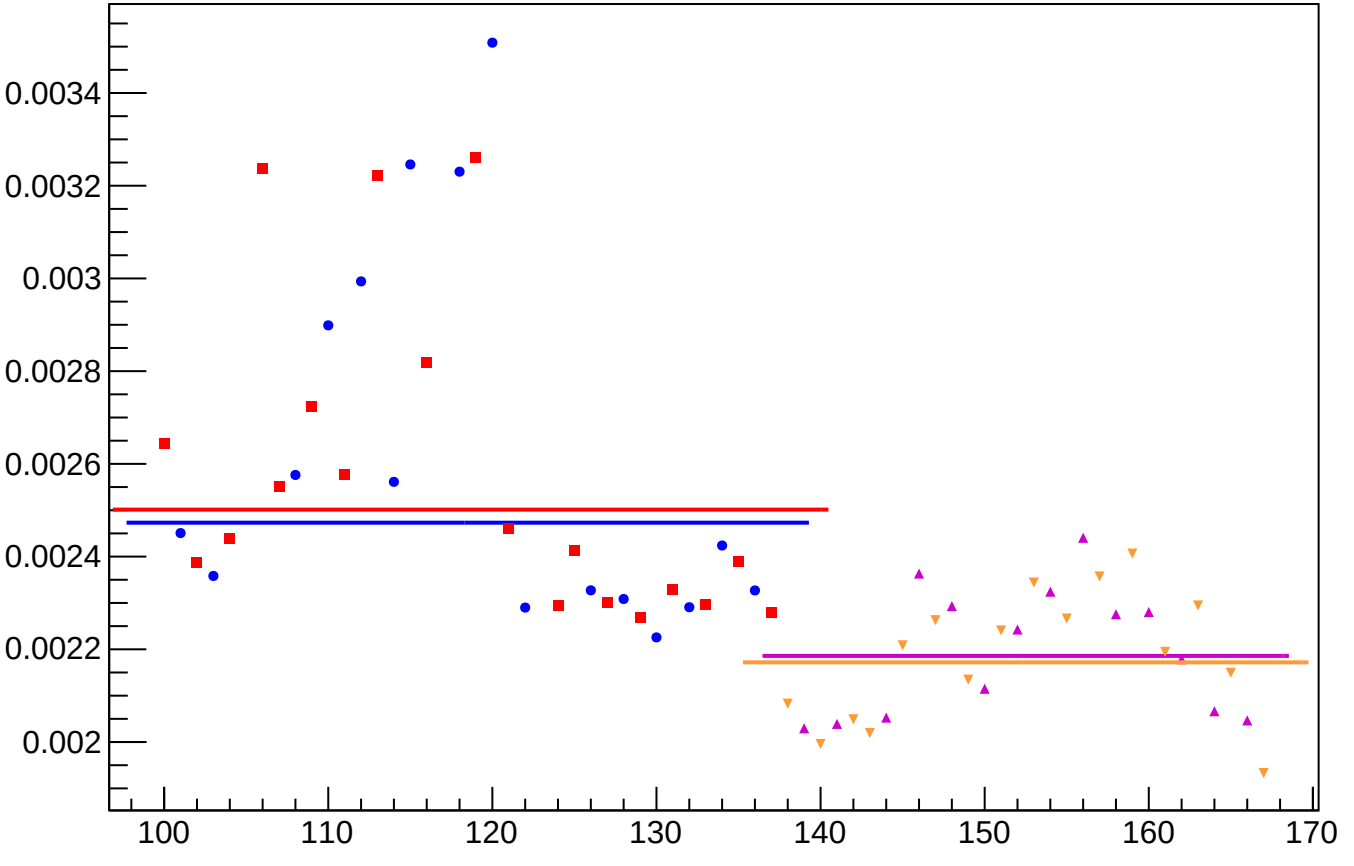
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.382+/-0.000 χ^2/NDF:229594781400.8/29

Out: 0.374+/-0.000 χ^2/NDF:233252466853.6/34

All: 0.378+/-0.000 χ^2/NDF: 462955885193.9

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:101031.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:82020.8/13

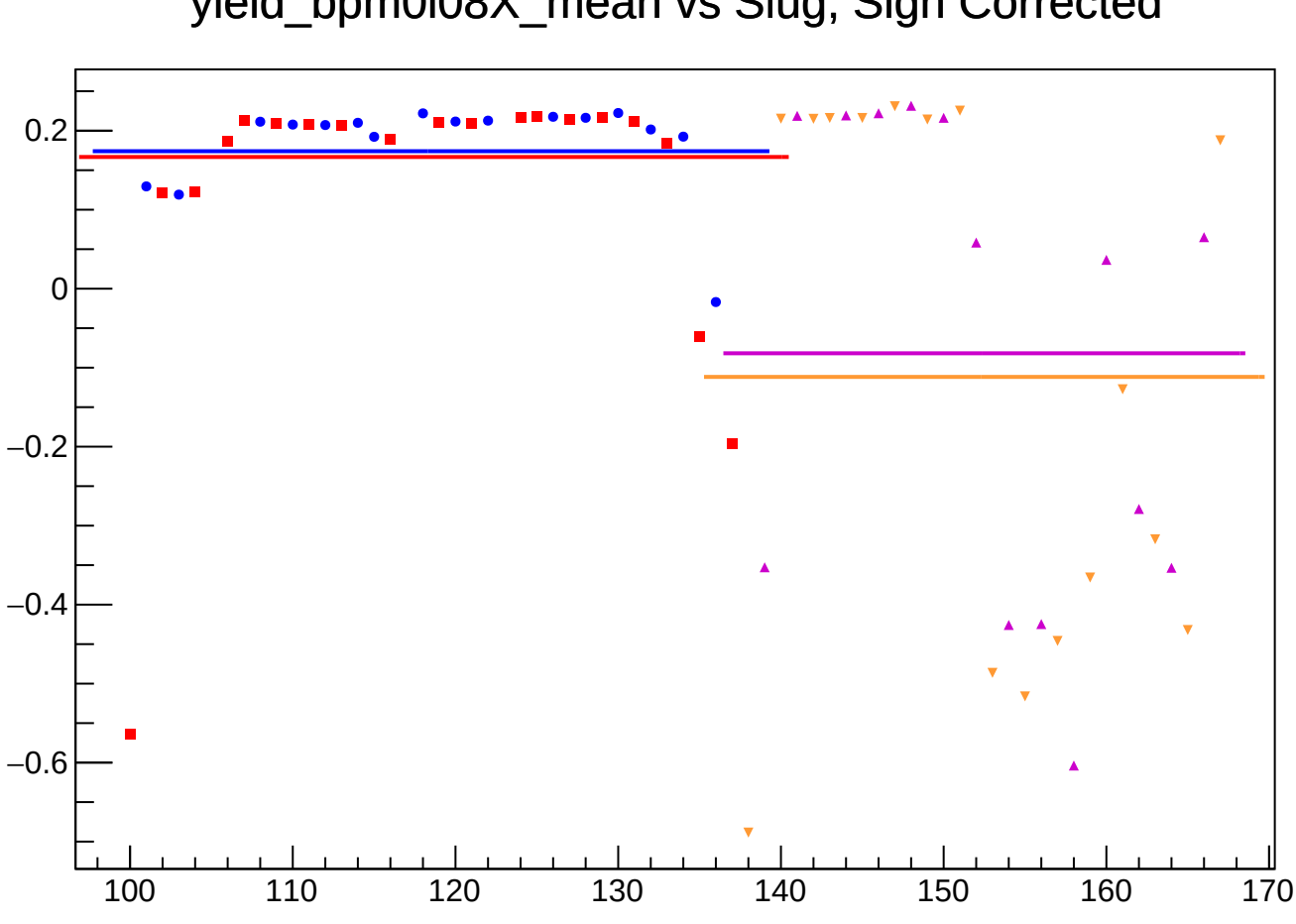
Left: 0.002+/-0.000 χ^2/NDF: 183536.1/29

Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:415464.0/29

Out: 0.002+/-0.000 χ^2/NDF:449548.6/34

All: 0.002+/-0.000 χ^2/NDF: 865190.3/64



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.112+/-0.000 χ^2/NDF:9138210083.1/15

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.082+/-0.000 χ^2/NDF:6604553282.7/13

Left: -0.098+/-0.000 χ^2/NDF: 15778154229.0/29

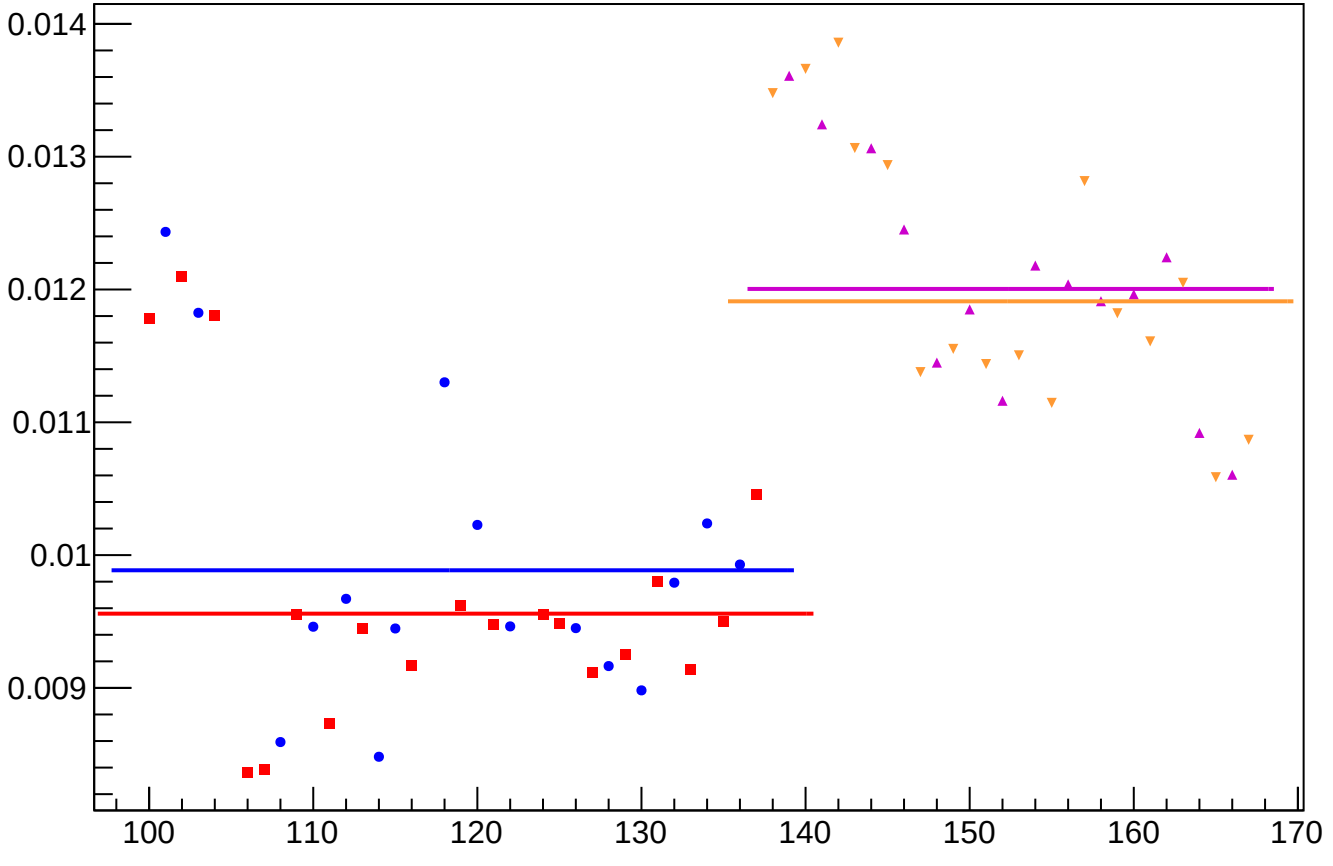
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.042+/-0.000 χ^2/NDF:9382916218.3/29

Out: 0.024+/-0.000 χ^2/NDF:13174856826.9/34

All: 0.032+/-0.000 χ^2/NDF: 22583158795.0/6

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:140444.1/15

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:94868.8/13

Left: 0.012+/-0.000 χ^2/NDF: 236001.8/29

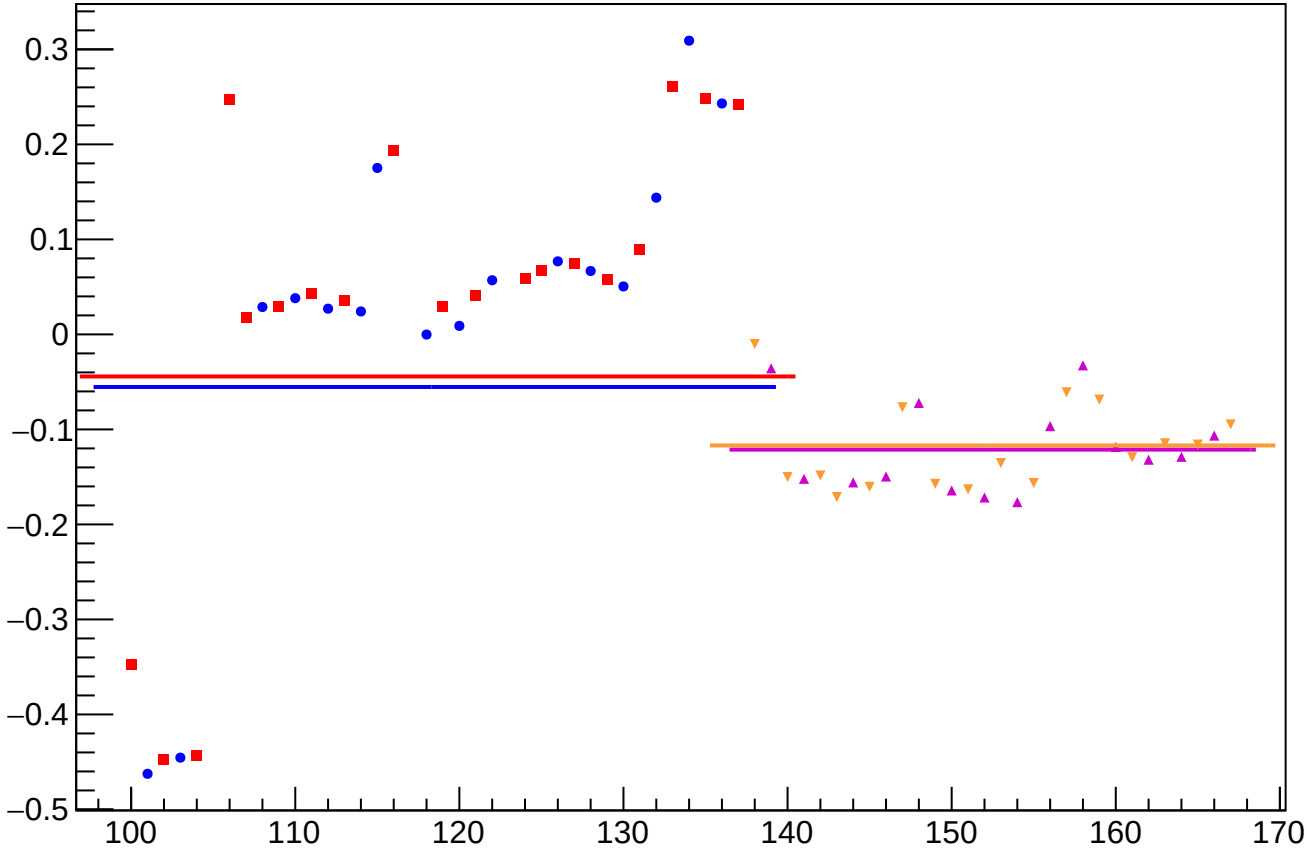
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:569314.0/29

Out: 0.011+/-0.000 χ^2/NDF:725028.3/34

All: 0.011+/-0.000 χ^2/NDF: 1301284.8/64

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.117+/-0.000 χ^2/NDF:2795985414.2/15

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.121+/-0.000 χ^2/NDF:2758834713.6/13

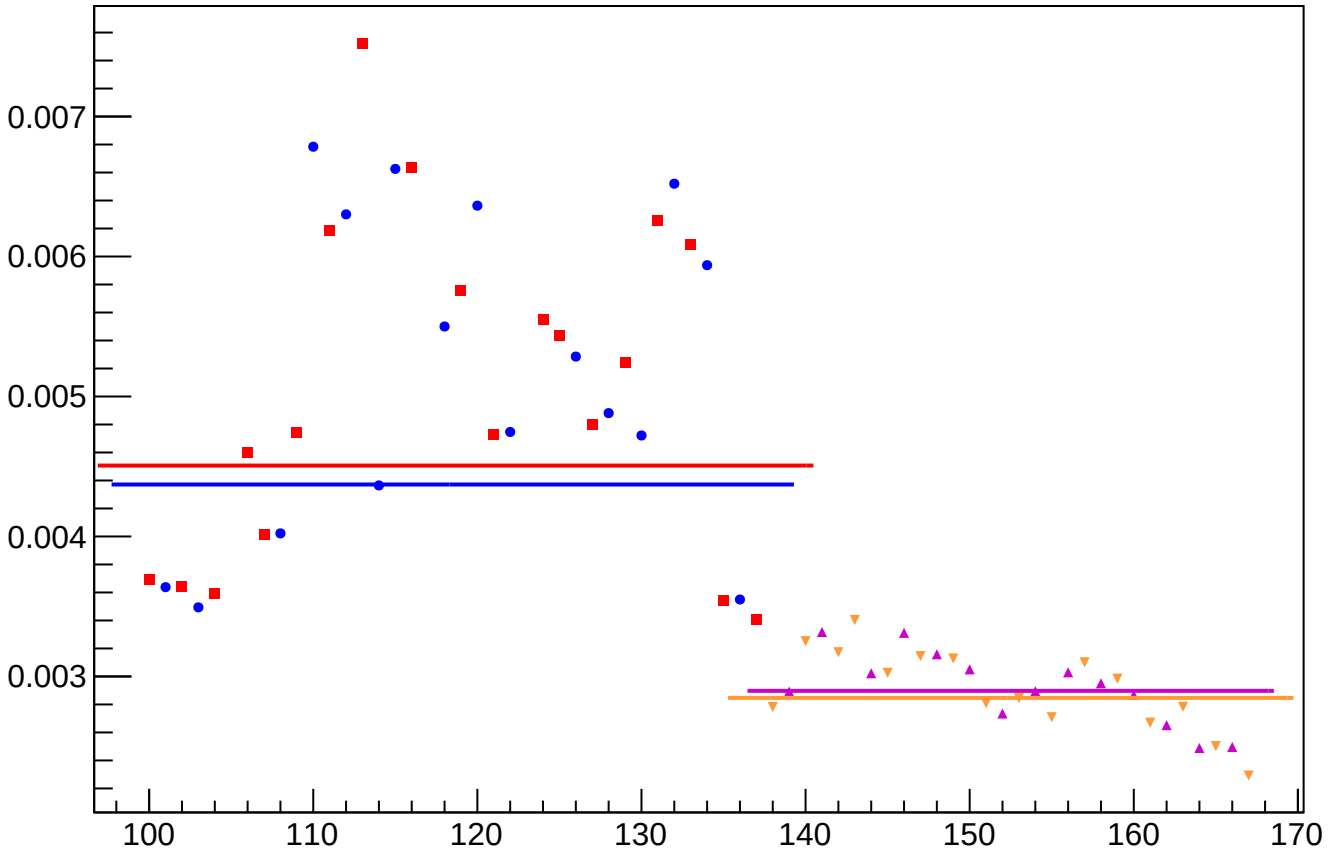
Left: -0.119+/-0.000 χ^2/NDF: 5568255114.4/29

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.108+/-0.000 χ^2/NDF:27954500834.3/29

Out: -0.104+/-0.000 χ^2/NDF:26296612895.5/34

All: -0.106+/-0.000 χ^2/NDF: 54265982080.8/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:247006.9/15

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:151390.6/13

Left: 0.003+/-0.000 χ^2/NDF: 401897.8/29

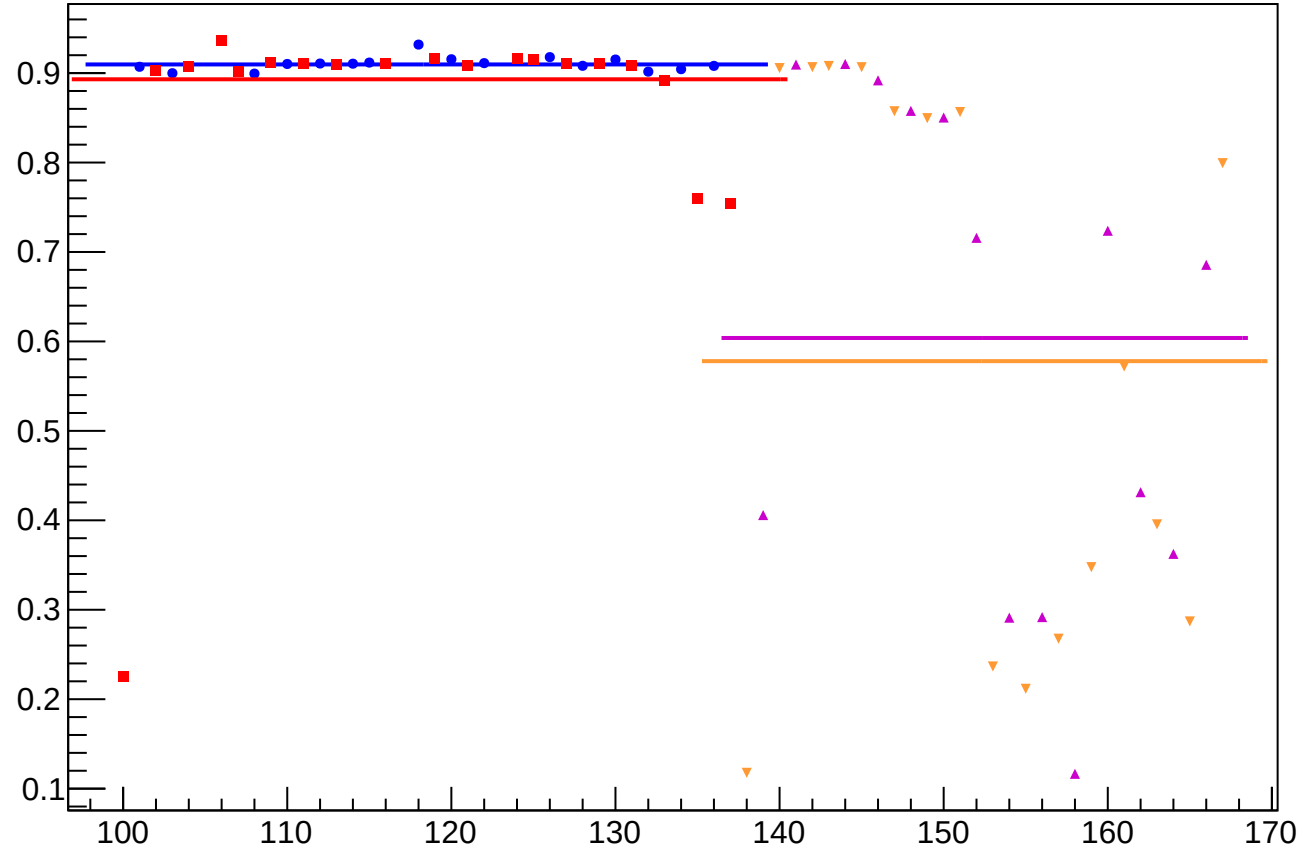
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1924928.2/29

Out: 0.003+/-0.000 χ^2/NDF:2379129.9/34

All: 0.003+/-0.000 χ^2/NDF: 4308114.0/64

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.578+/-0.000 χ^2/NDF:7577354406.0/15

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.604+/-0.000 χ^2/NDF:5739482258.8/13

Left: 0.590+/-0.000 χ^2/NDF: 13344951878.1/29

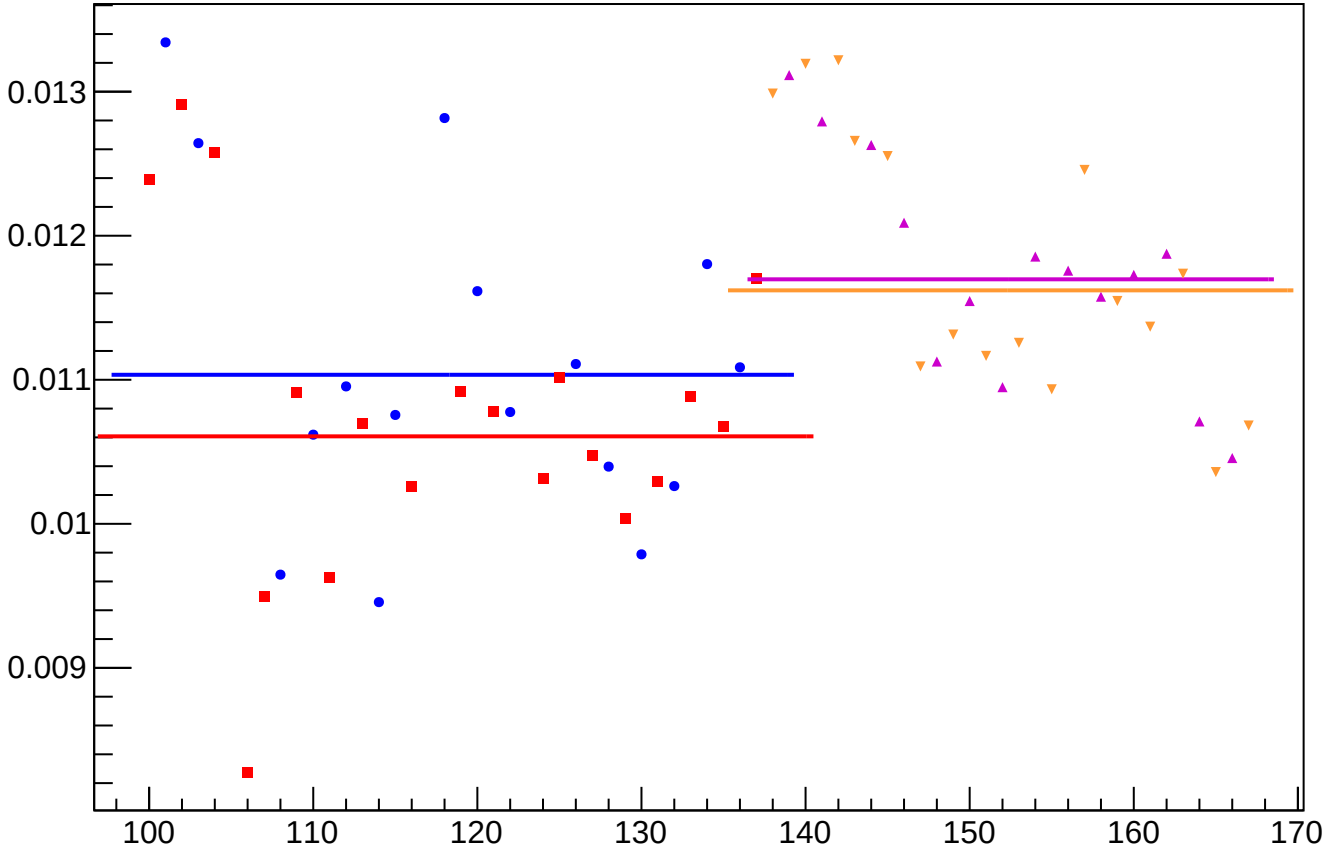
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.731+/-0.000 χ^2/NDF:8832841077.6/29

Out: 0.710+/-0.000 χ^2/NDF:11591504318.3/34

All: 0.720+/-0.000 χ^2/NDF: 20453414763.8/6

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:121360.8/15

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:80595.6/13

Left: 0.012+/-0.000 χ^2/NDF: 202448.6/29

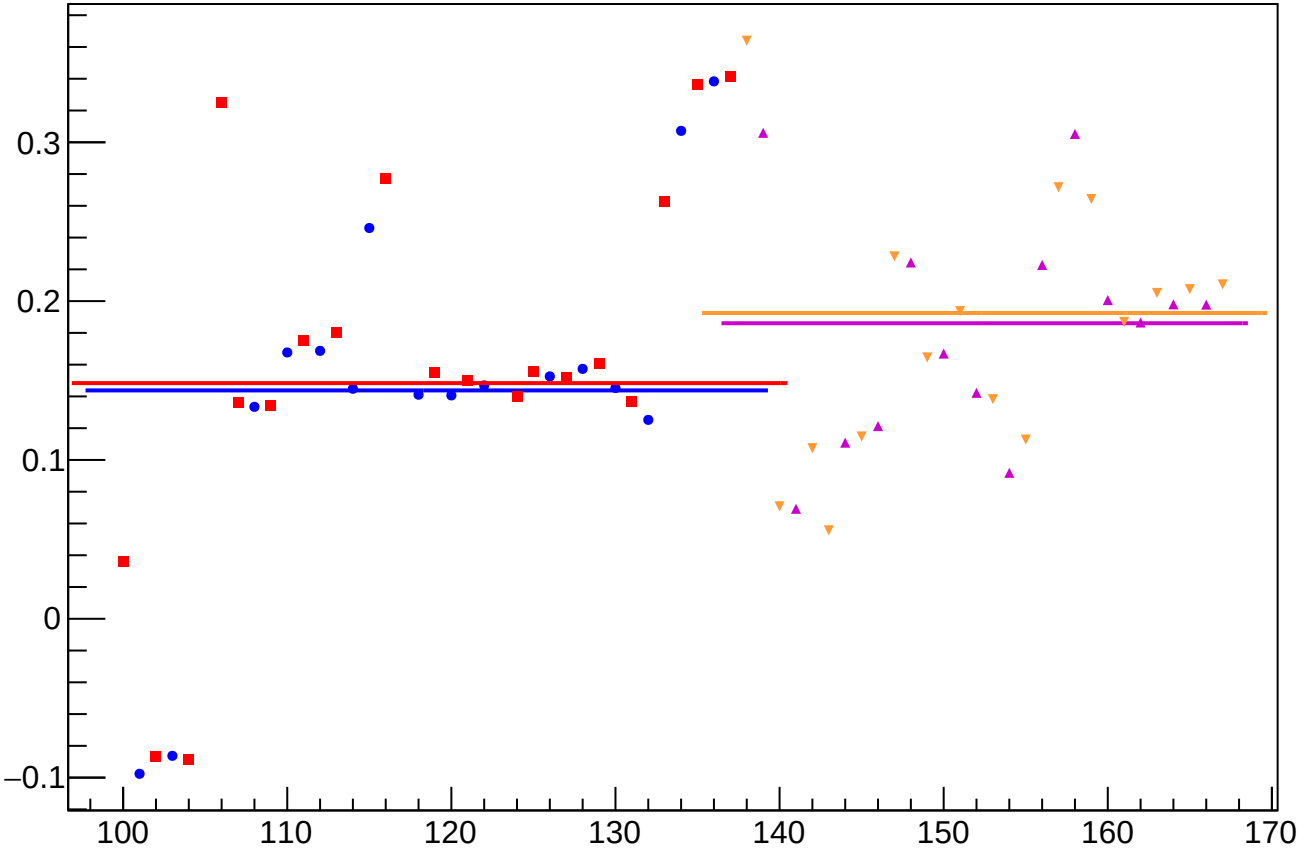
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:239973.4/29

Out: 0.011+/-0.000 χ^2/NDF:341563.1/34

All: 0.011+/-0.000 χ^2/NDF: 589020.2/64

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.193+/-0.000 χ^2/NDF:5956190763.9/15

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.186+/-0.000 χ^2/NDF:4416129286.4/13

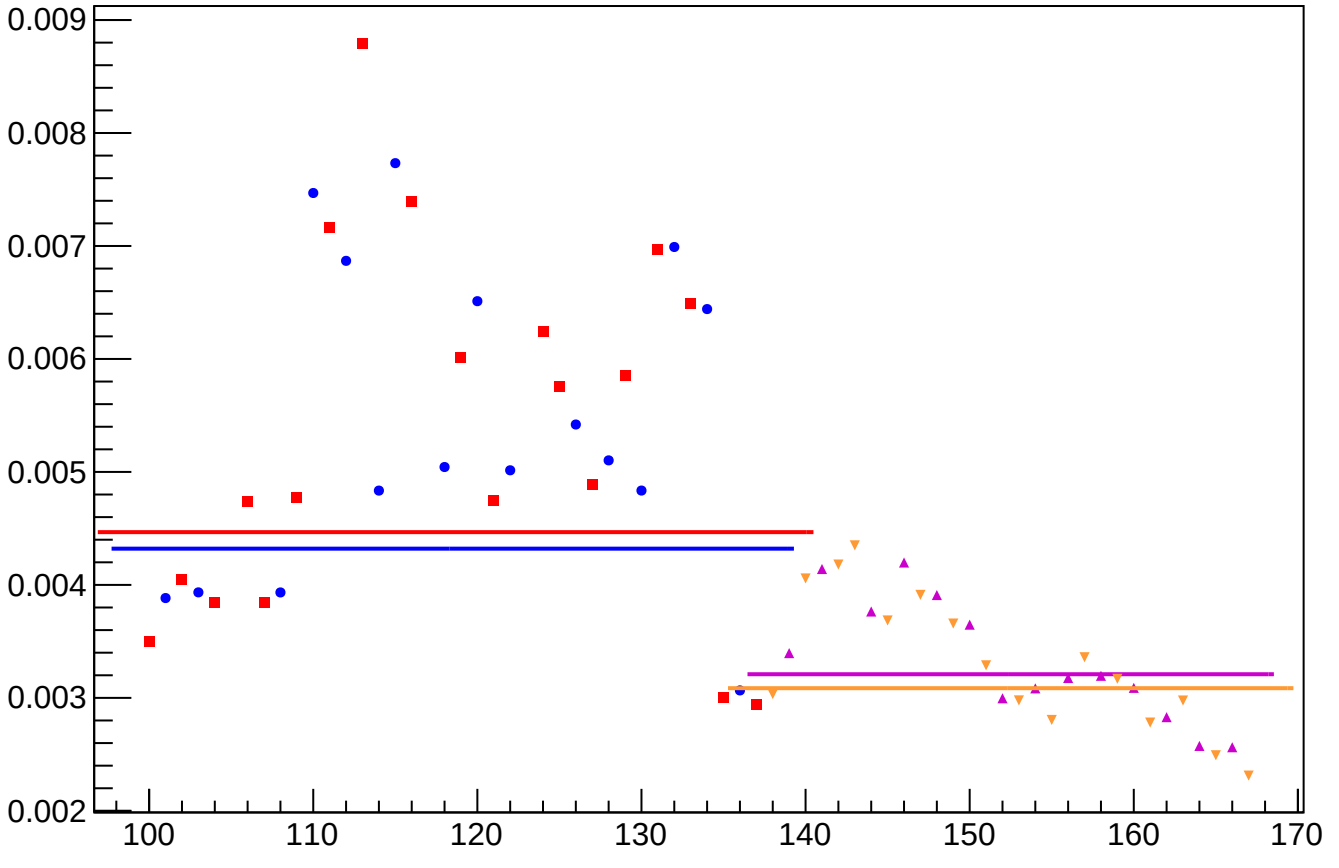
Left: 0.190+/-0.000 χ^2/NDF: 10395083898.4/29

Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.176+/-0.000 χ^2/NDF:12704143486.3/29

Out: 0.184+/-0.000 χ^2/NDF:13548694600.7/34

All: 0.180+/-0.000 χ^2/NDF: 26292033076.6/6



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:699796.3/15

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:453332.8/13

Left: 0.003+/-0.000 χ^2/NDF: 1169818.9/29

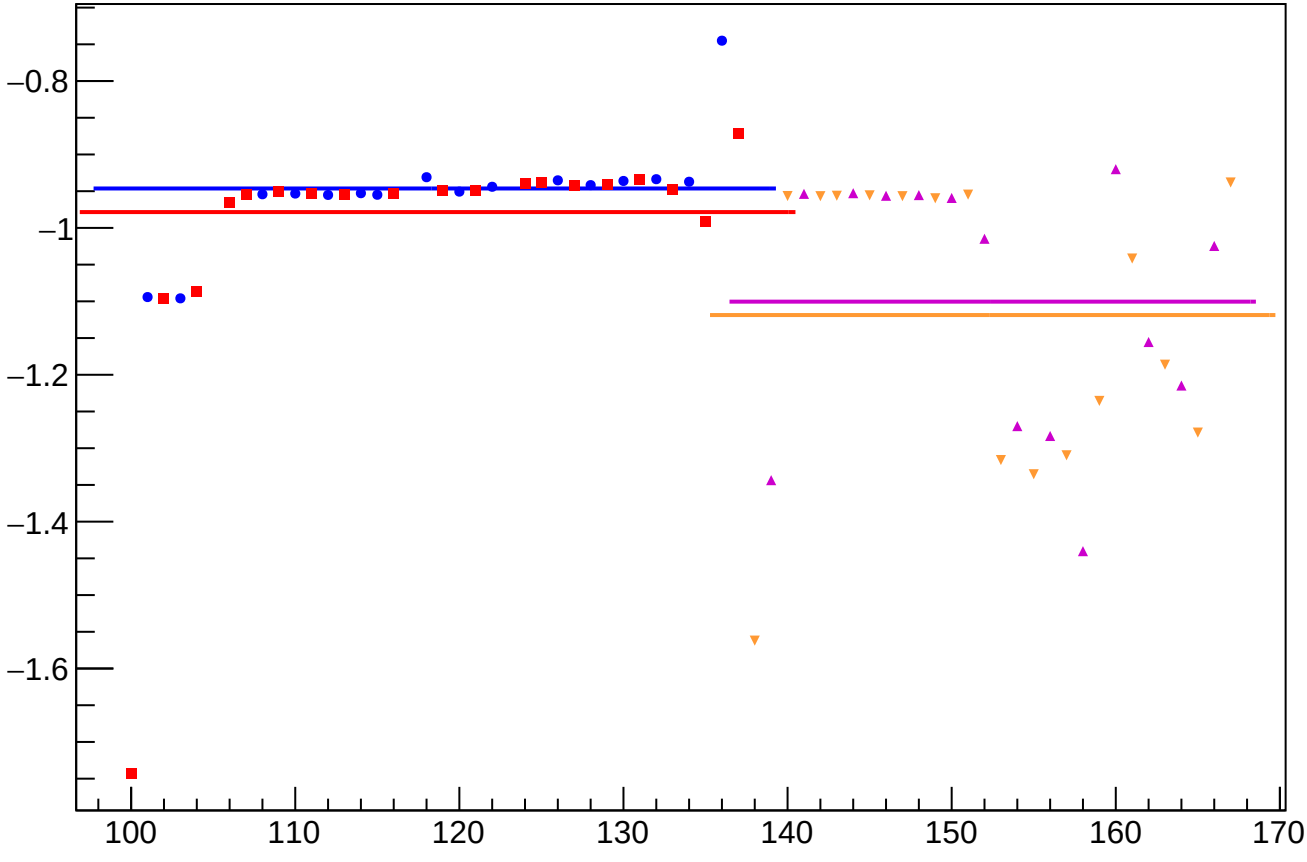
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:1912857.0/29

Out: 0.003+/-0.000 χ^2/NDF:2693790.1/34

All: 0.003+/-0.000 χ^2/NDF: 4622543.1/64

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.119+/-0.000 χ^2/NDF:3842464505.0/15

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.100+/-0.000 χ^2/NDF:2947746475.6/13

Left: -1.110+/-0.000 χ^2/NDF: 6807893184.8/29

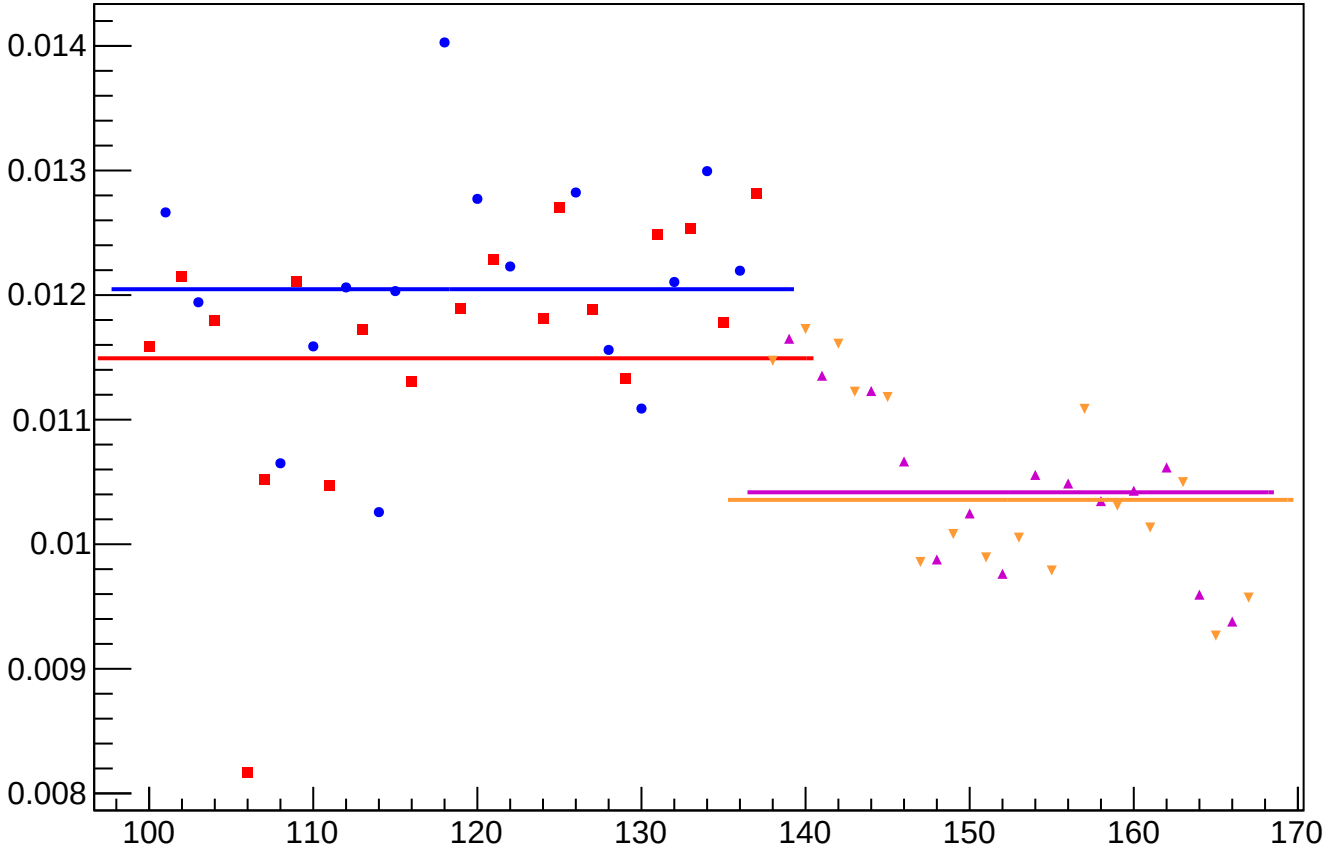
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.051+/-0.000 χ^2/NDF:4118194149.0/29

Out: -1.073+/-0.000 χ^2/NDF:5021264921.2/34

All: -1.063+/-0.000 χ^2/NDF: 9175922269.1/6

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:112642.1/15

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:75320.6/13

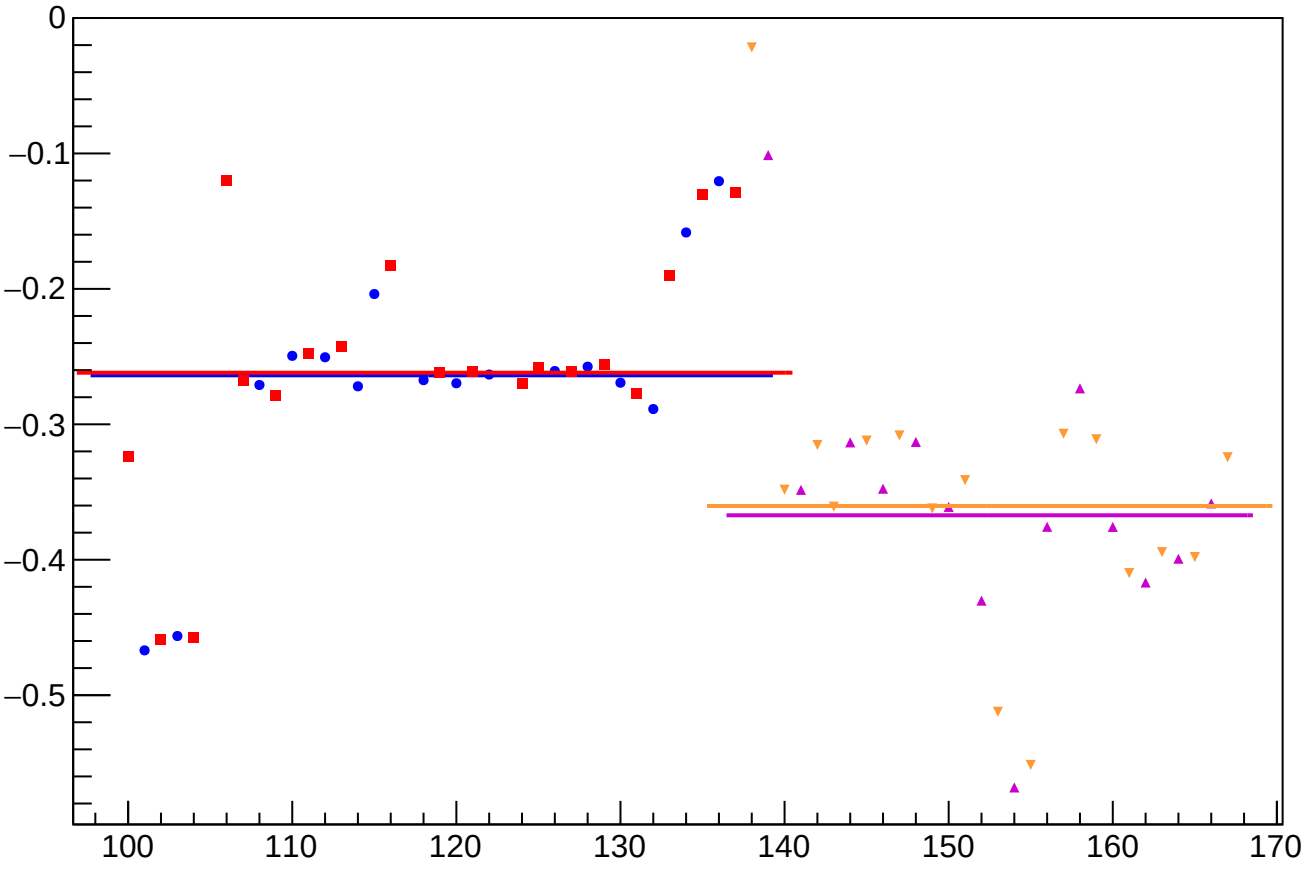
Left: 0.010+/-0.000 χ^2/NDF: 188354.1/29

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

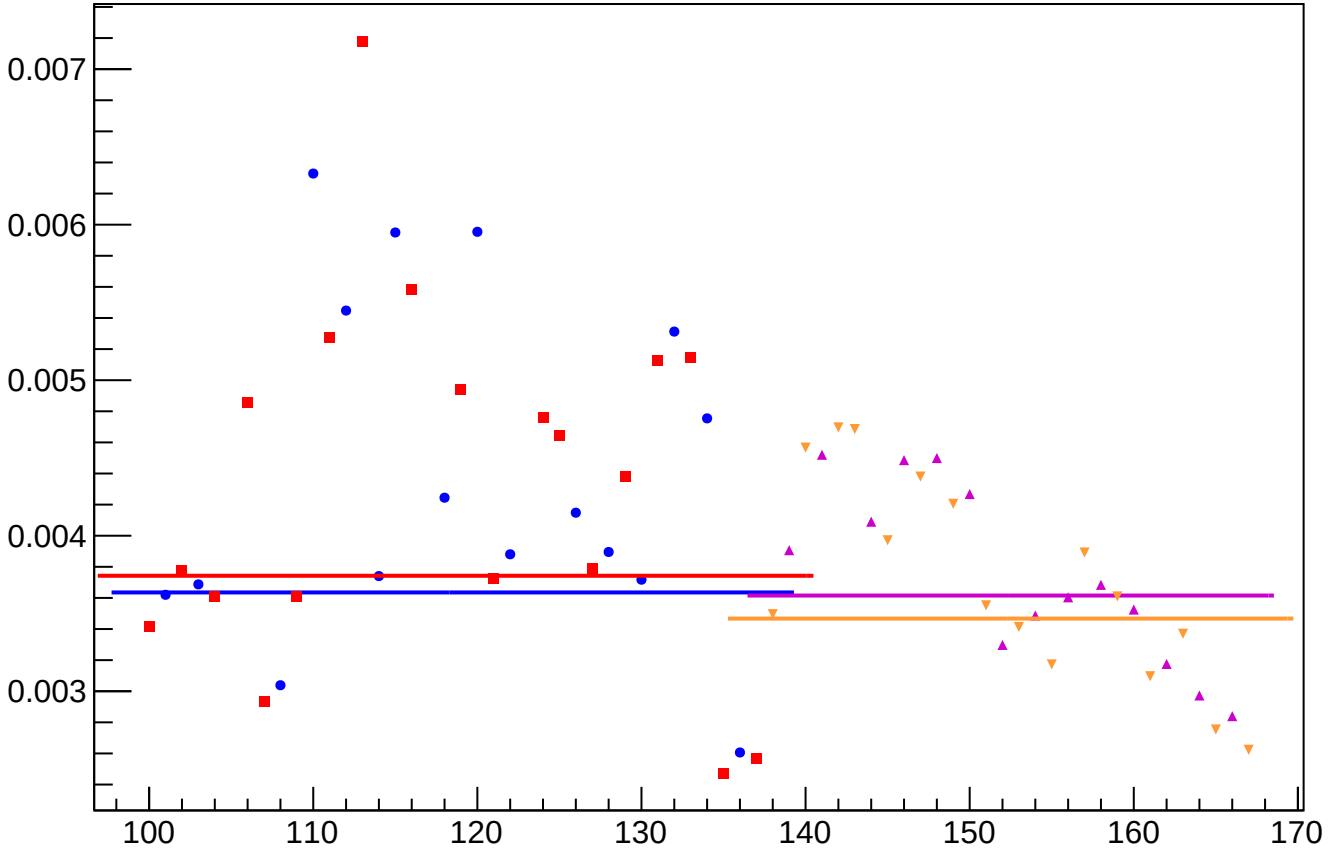
In: 0.011+/-0.000 χ^2/NDF:309211.5/29

Out: 0.011+/-0.000 χ^2/NDF:358231.2/34

All: 0.011+/-0.000 χ^2/NDF: 674299.5/64


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.360+/-0.000 χ²/NDF:11831672488.8/15
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.367+/-0.000 χ²/NDF:7549056030.3/13
Left: -0.363+/-0.000 χ²/NDF: 19400865010.7/29
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.330+/-0.000 χ²/NDF:16647968381.3/29
Out: -0.329+/-0.000 χ²/NDF:19928085890.5/34
All: -0.330+/-0.000 χ²/NDF: 36576625143.7/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:661084.8/15

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:421493.8/13

Left: 0.004+/-0.000 χ^2/NDF: 1101203.2/29

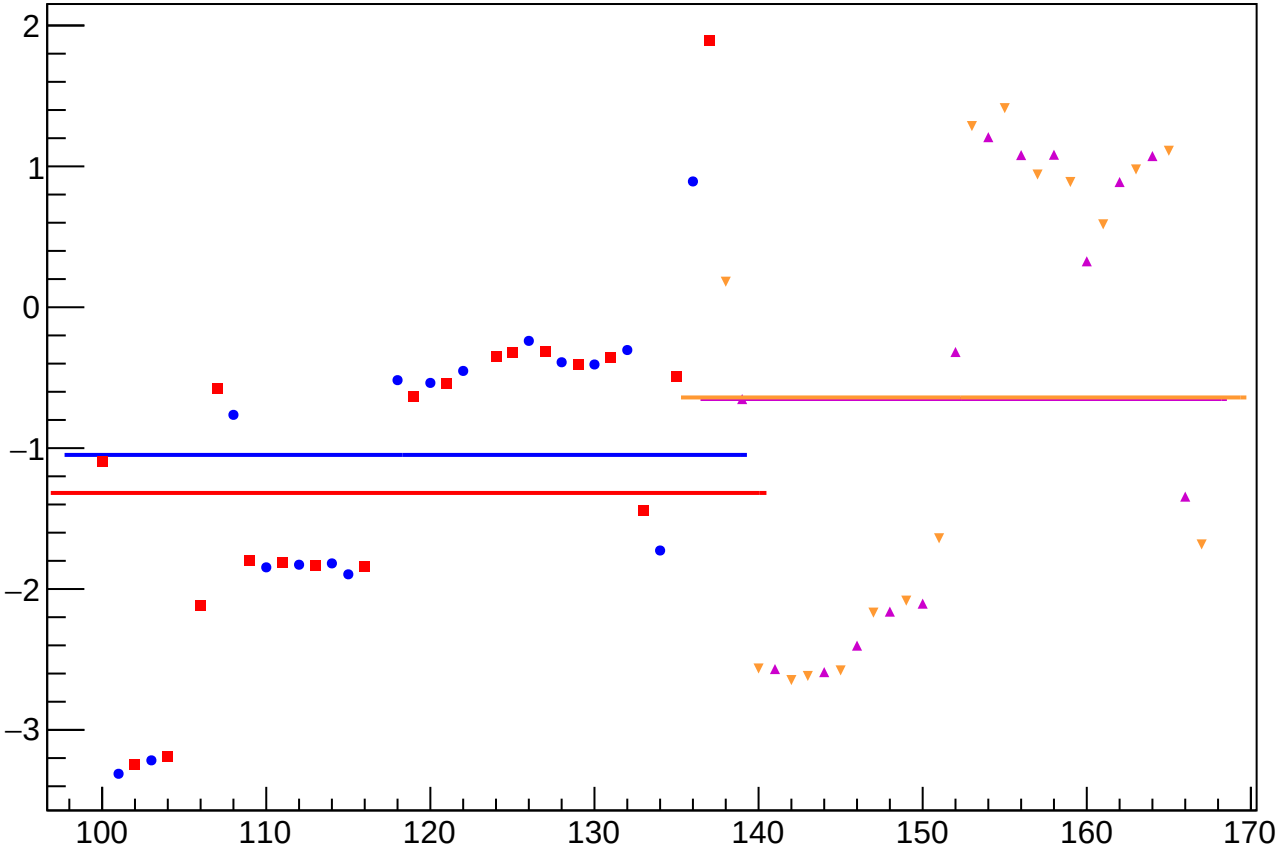
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:1150315.2/29

Out: 0.004+/-0.000 χ^2/NDF:1599823.0/34

All: 0.004+/-0.000 χ^2/NDF: 2756118.2/64

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.640+/-0.000 χ^2/NDF:5657928238.5/15

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.651+/-0.000 χ^2/NDF:4468870735.8/13

Left: -0.645+/-0.000 χ^2/NDF: 10126922391.5/29

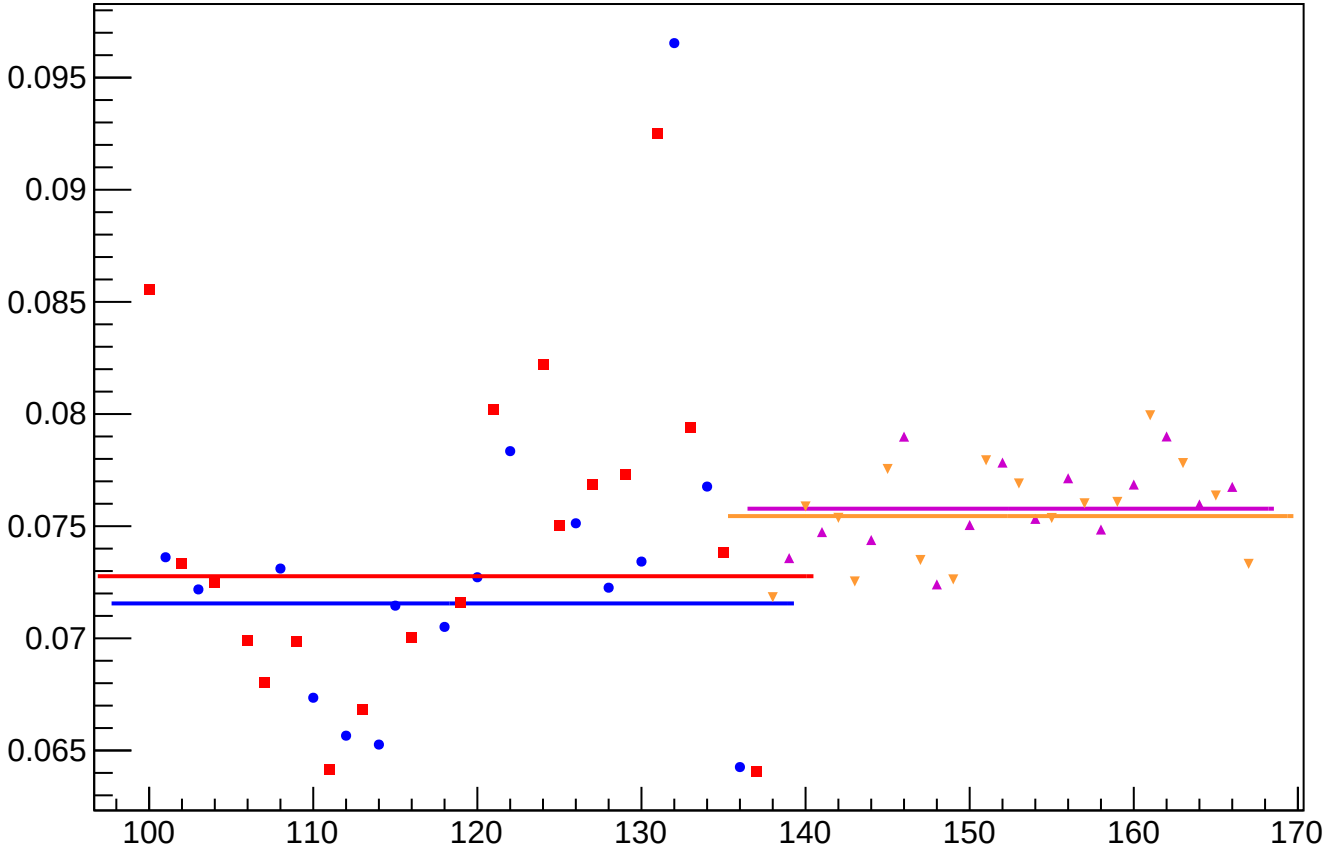
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.814+/-0.000 χ^2/NDF:6942998776.1/29

Out: -0.902+/-0.000 χ^2/NDF:7892711393.8/34

All: -0.859+/-0.000 χ^2/NDF: 14848974053.2/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:22046.2/15

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:14080.3/13

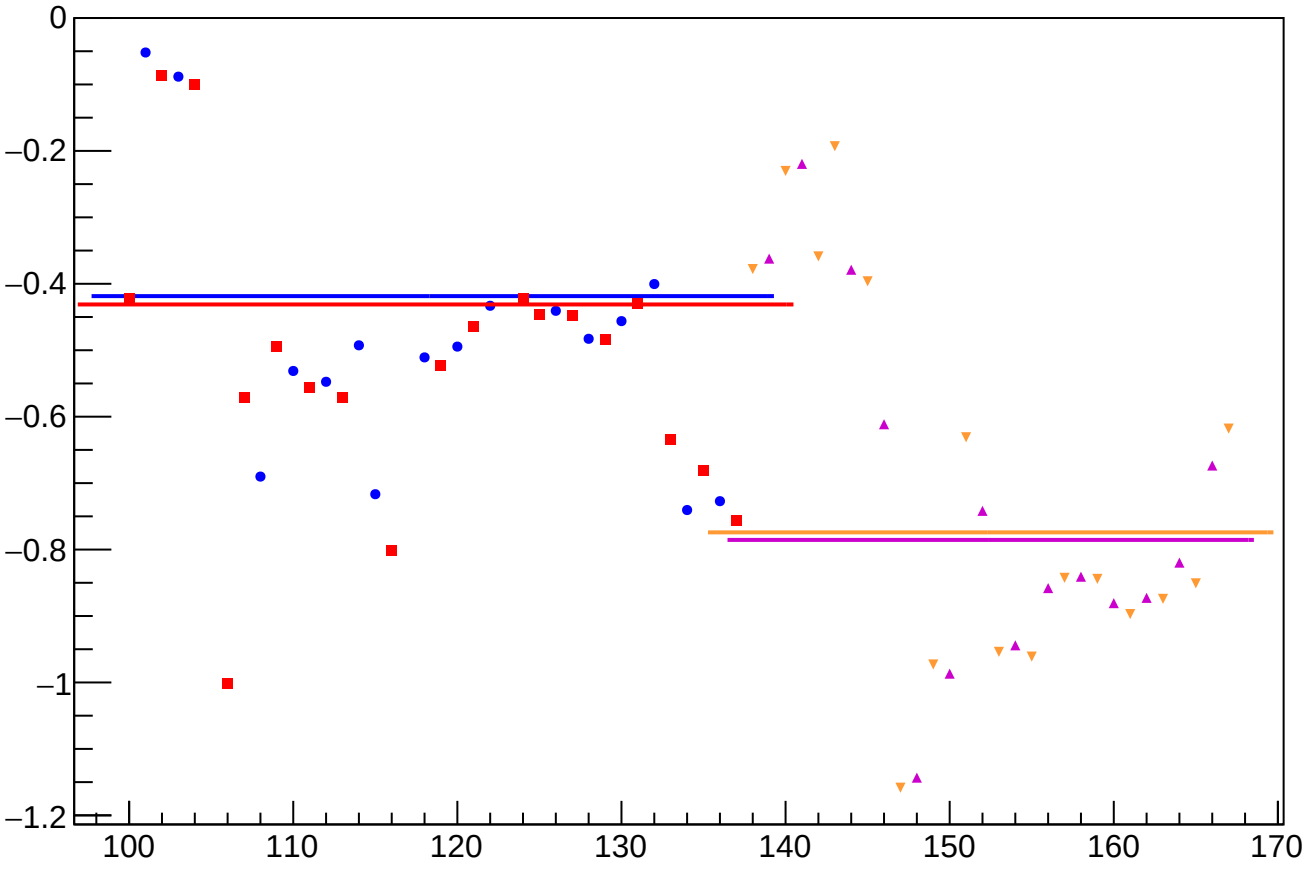
Left: 0.076+/-0.000 χ^2/NDF: 36351.2/29

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:144108.6/29

Out: 0.074+/-0.000 χ^2/NDF:131020.1/34

All: 0.074+/-0.000 χ^2/NDF: 275598.1/64



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.774+/-0.000 χ^2/NDF:14683465854.1/15

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.785+/-0.000 χ^2/NDF:10648262701.5/13

Left: -0.779+/-0.000 χ^2/NDF: 25348243036.6/29

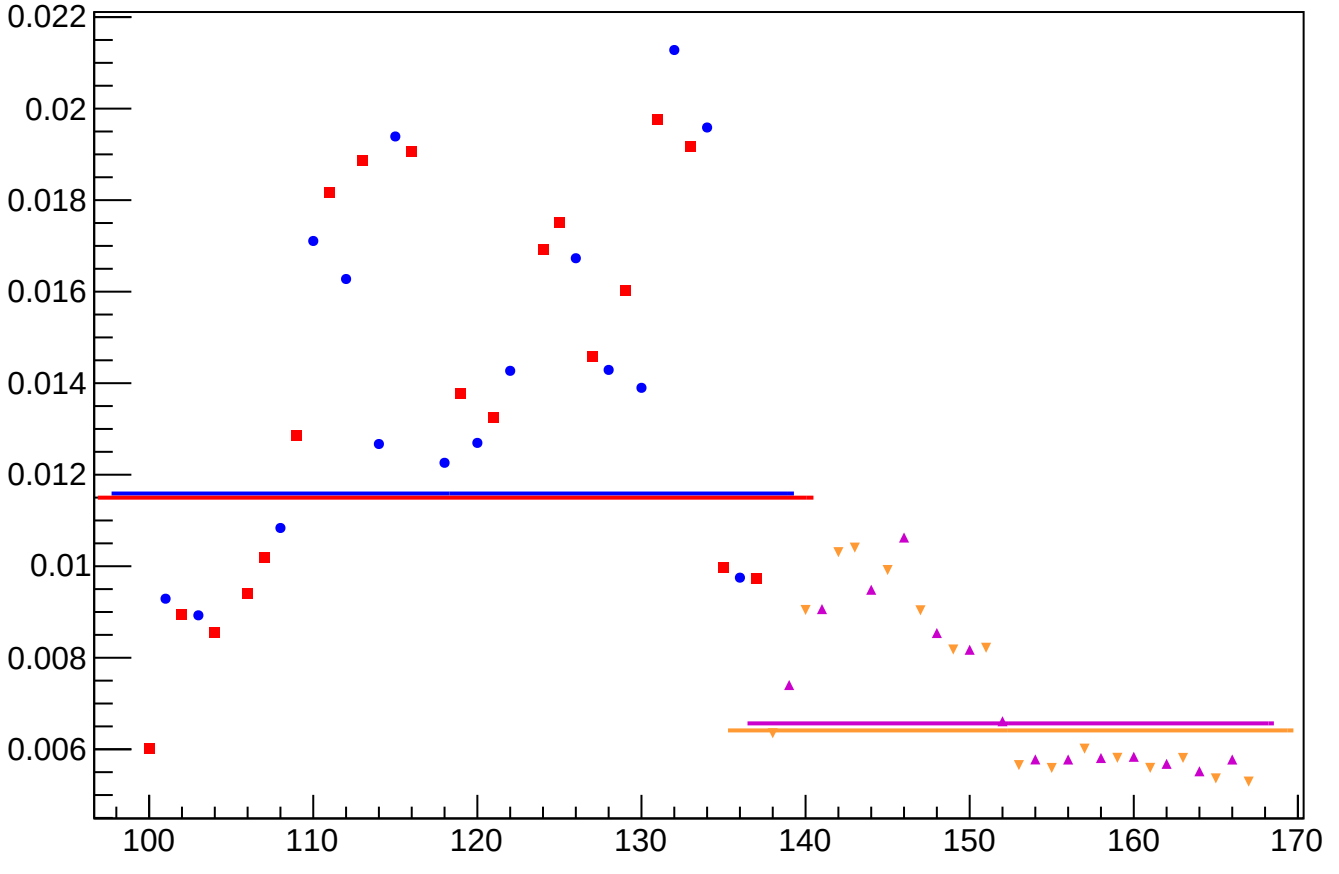
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.728+/-0.000 χ^2/NDF:18763993878.2/29

Out: -0.725+/-0.000 χ^2/NDF:22466528916.3/34

All: -0.727+/-0.000 χ^2/NDF: 41231746367.7/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1159304.2/15

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:874844.6/13

Left: 0.006+/-0.000 χ^2/NDF: 2040205.7/29

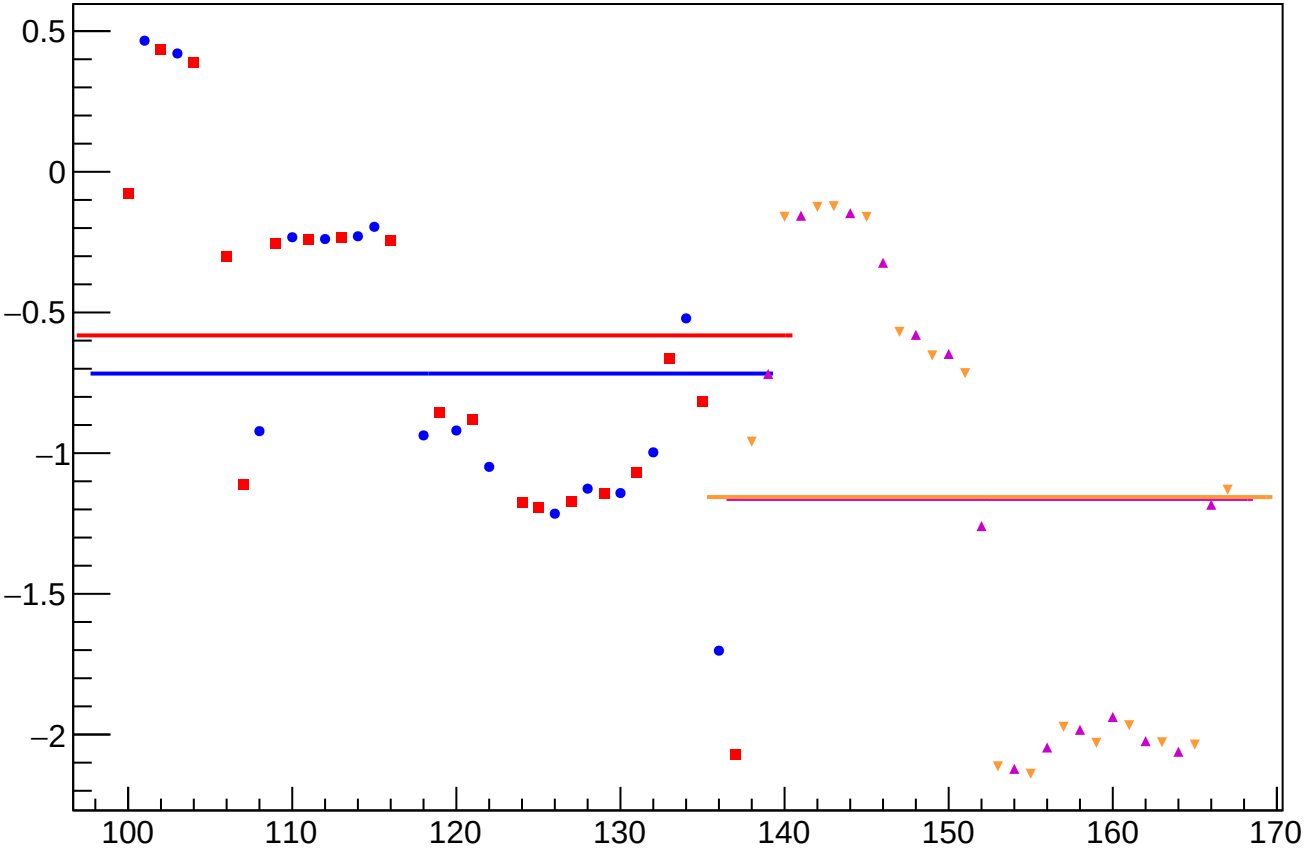
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3551394.4/29

Out: 0.007+/-0.000 χ^2/NDF:4340997.5/34

All: 0.007+/-0.000 χ^2/NDF: 7906270.6/64

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.156+/-0.000 χ^2/NDF:1073287115.0/15

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.163+/-0.000 χ^2/NDF:903707622.4/13

Left: -1.159+/-0.000 χ^2/NDF: 1977028880.0/29

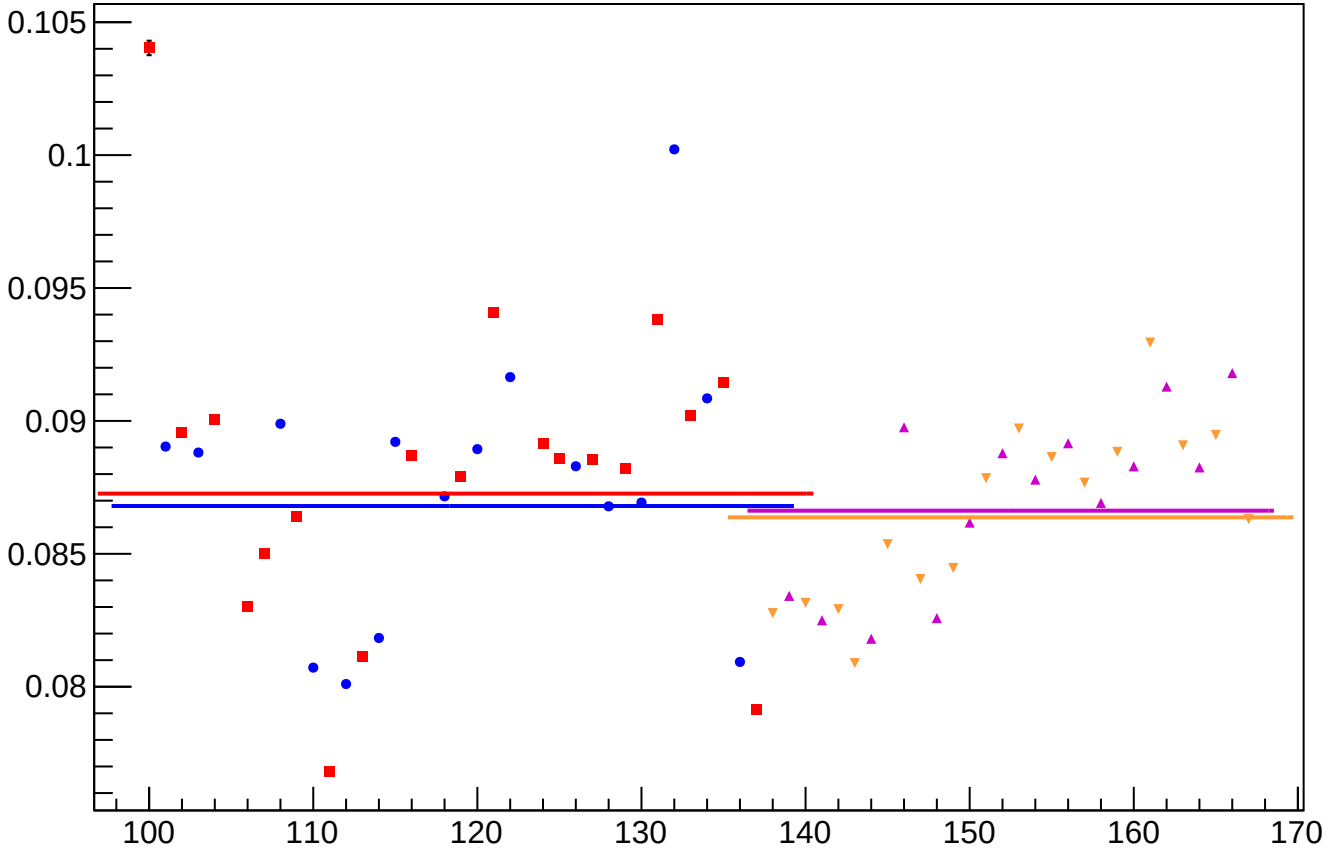
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.991+/-0.000 χ^2/NDF:1457409368.4/29

Out: -0.945+/-0.000 χ^2/NDF:1619389547.6/34

All: -0.967+/-0.000 χ^2/NDF: 3079553839.1/6

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33353.5/15

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.087+/-0.000 χ^2/NDF:30679.5/13

Left: 0.086+/-0.000 χ^2/NDF: 64133.4/29

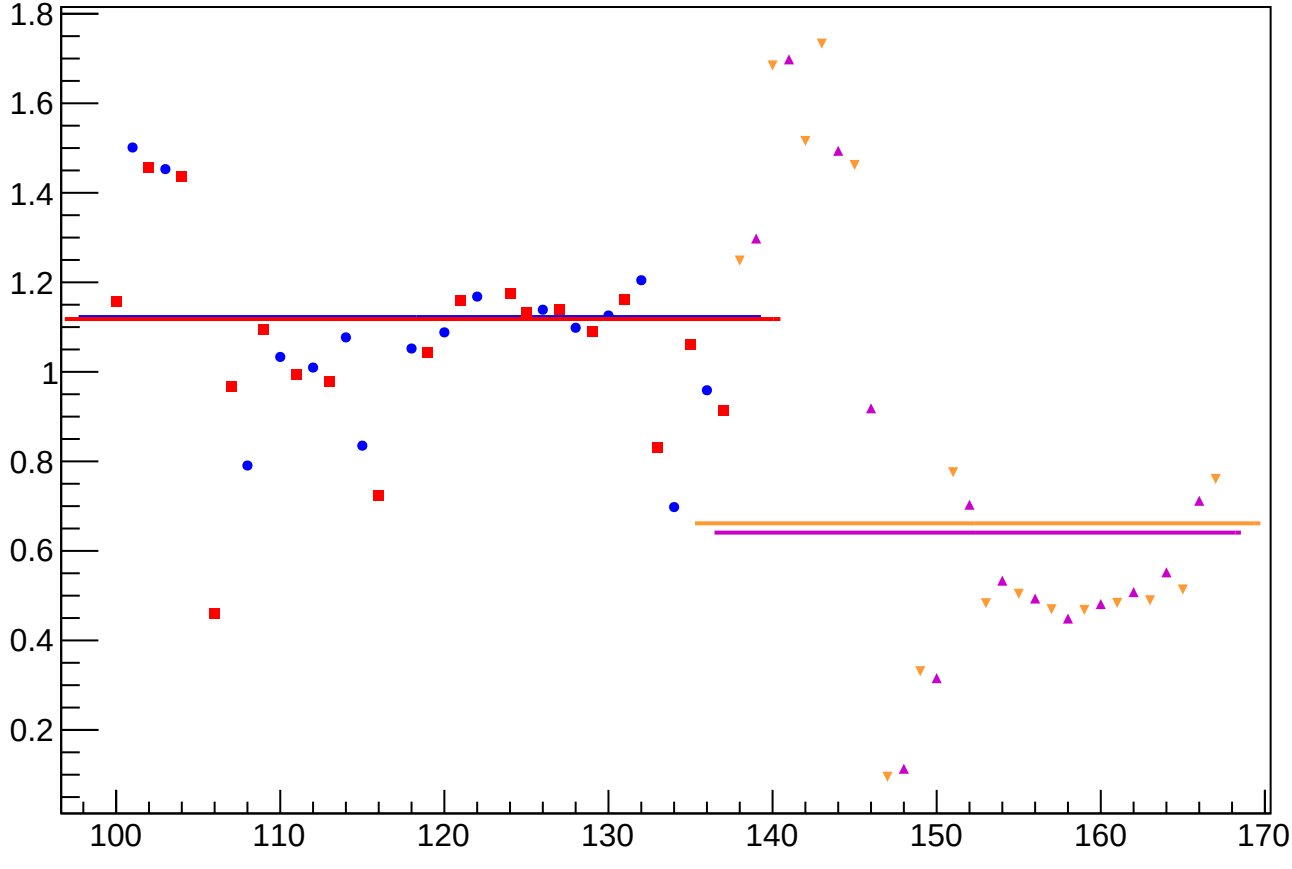
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:74291.2/29

Out: 0.087+/-0.000 χ^2/NDF:80504.4/34

All: 0.087+/-0.000 χ^2/NDF: 154795.9/64

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.662+/-0.000 χ^2/NDF:28255798277.1/15

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.641+/-0.000 χ^2/NDF:21833326381.8/13

Left: 0.652+/-0.000 χ^2/NDF: 50127871939.5/29

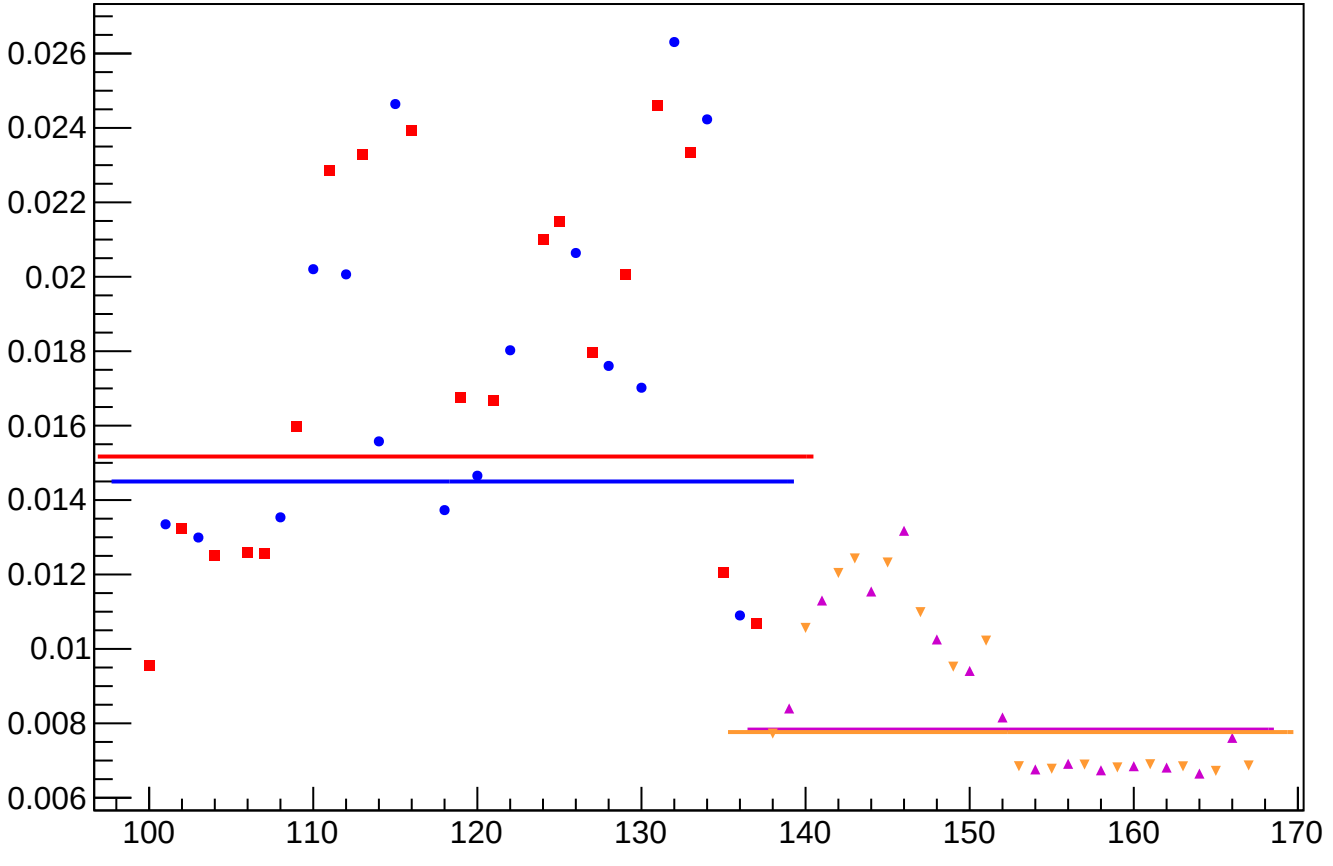
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.710+/-0.000 χ^2/NDF:28932293850.8/29

Out: 0.718+/-0.000 χ^2/NDF:34697320029.1/34

All: 0.714+/-0.000 χ^2/NDF: 63636295610.4/6

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1112514.7/15

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:933436.5/13

Left: 0.008+/-0.000 χ^2/NDF: 2046744.3/29

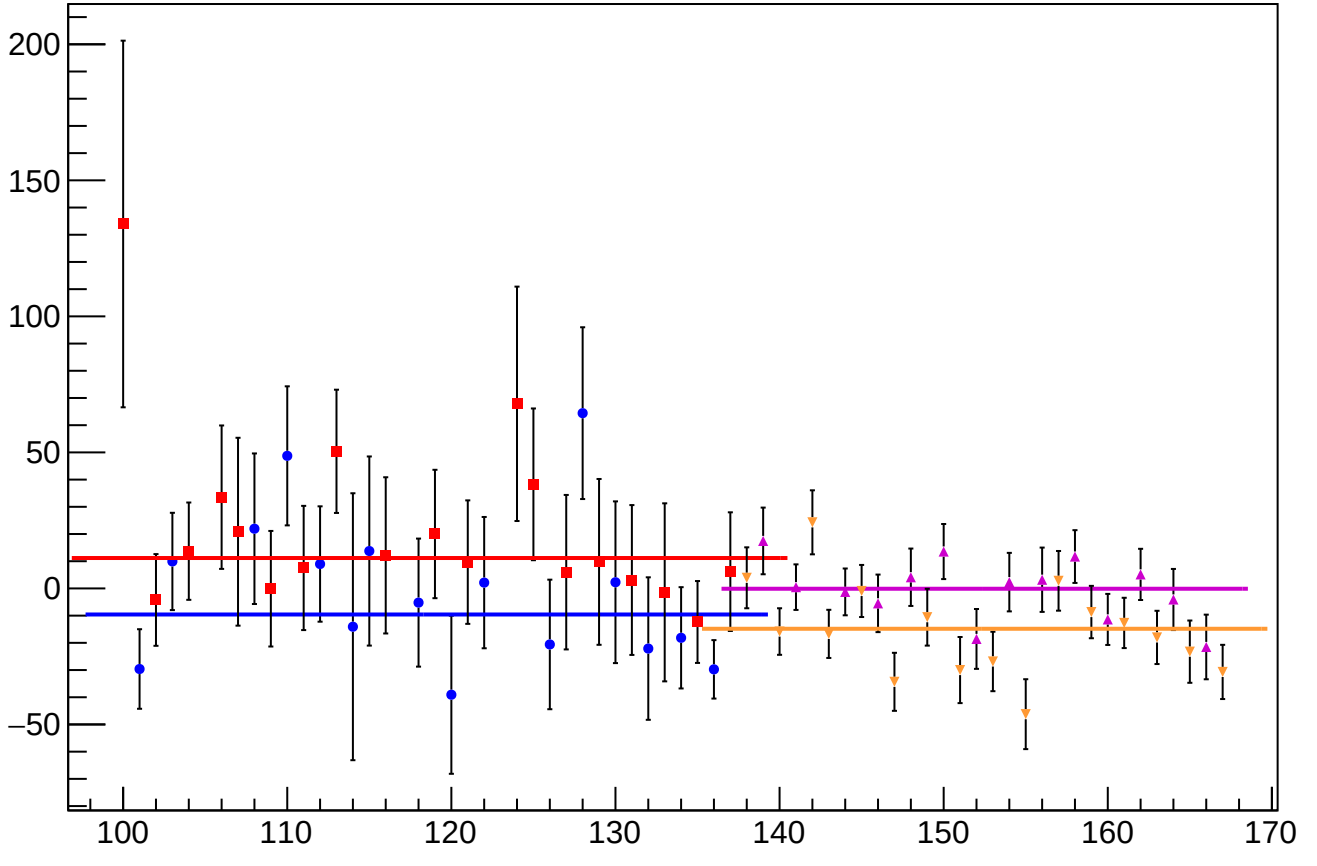
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3808072.8/29

Out: 0.009+/-0.000 χ^2/NDF:4540981.4/34

All: 0.009+/-0.000 χ^2/NDF: 8351543.4/64

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -14.829+/-2.576 χ^2/NDF:34.5/15

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: -0.119+/-2.727 χ^2/NDF:13.9/13

Left: -7.891+/-1.873 χ^2/NDF: 63.8/29

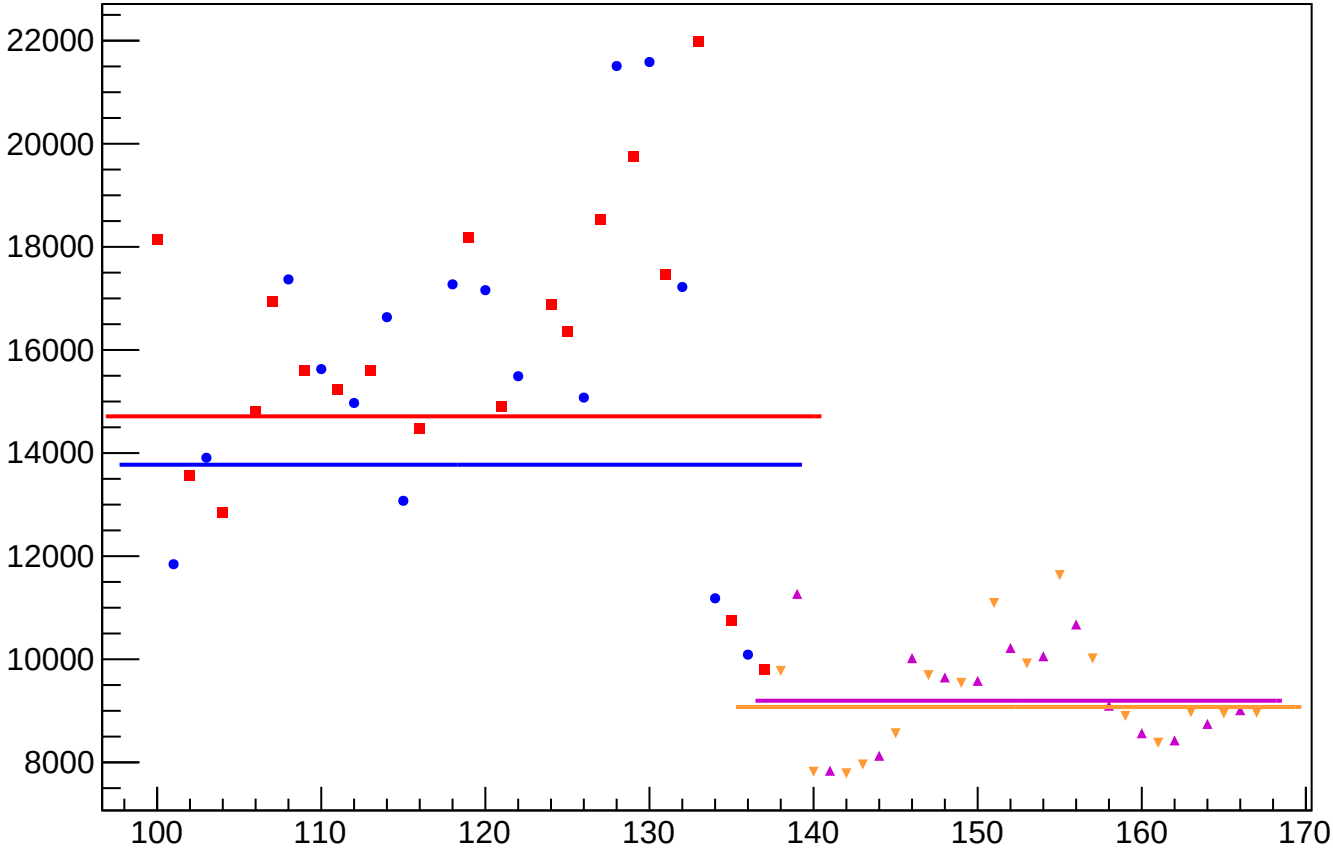
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -2.105+/-2.424 χ^2/NDF:38.3/29

Out: -10.146+/-2.333 χ^2/NDF:66.7/34

All: -6.279+/-1.681 χ^2/NDF: 110.8/64

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9073.730+/-1.822 χ^2/NDF:296769.0/15

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9196.047+/-1.928 χ^2/NDF:247313.7/13

Left: 9131.423+/-1.324 χ^2/NDF: 546209.1/29

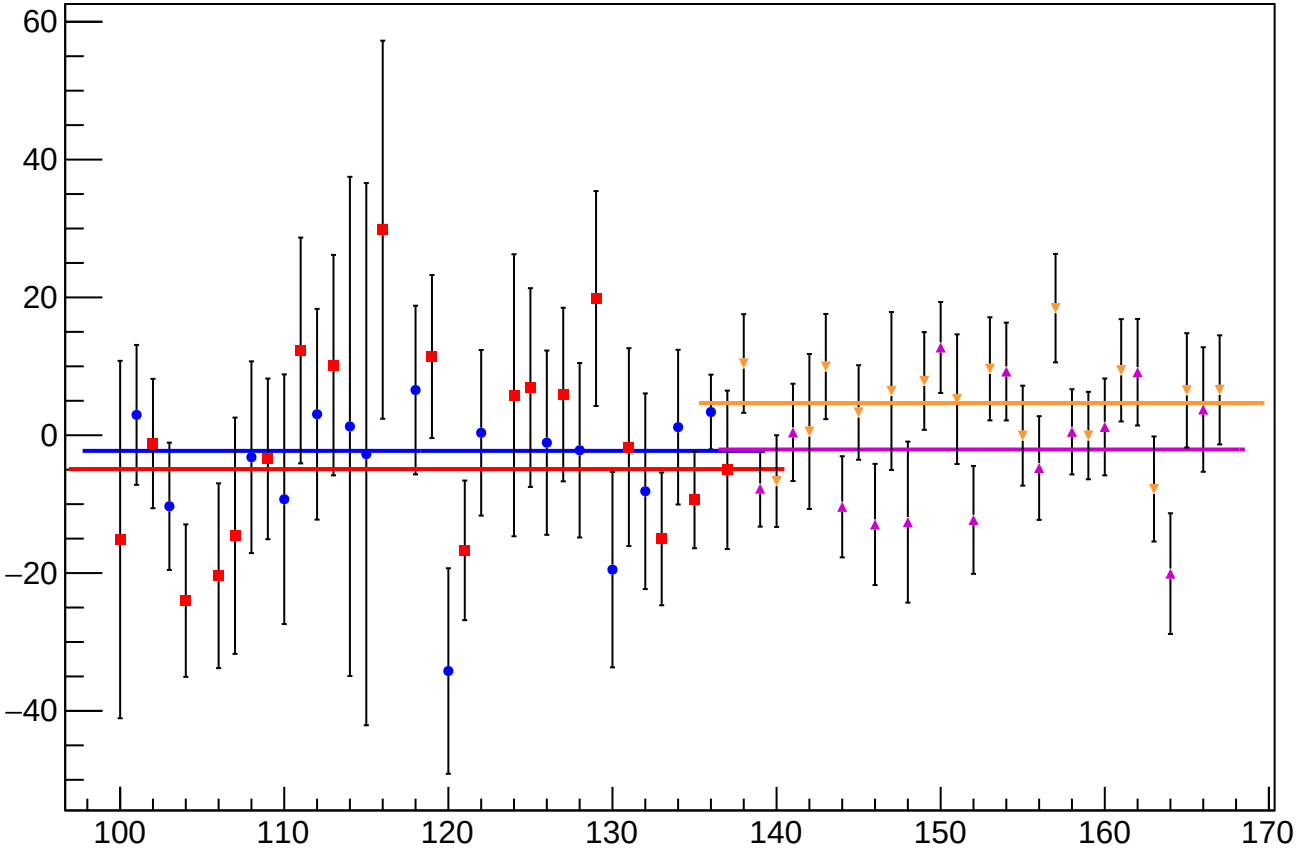
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10156.766+/-1.714 χ^2/NDF:2178021.7/29

Out: 10089.130+/-1.650 χ^2/NDF:2579293.5/34

All: 10121.656+/-1.188 χ^2/NDF: 4758123.7/6

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.678+/-1.921 χ^2/NDF:12.1/15

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -2.069+/-1.973 χ^2/NDF:21.4/13

Left: 1.394+/-1.376 χ^2/NDF: 39.5/29

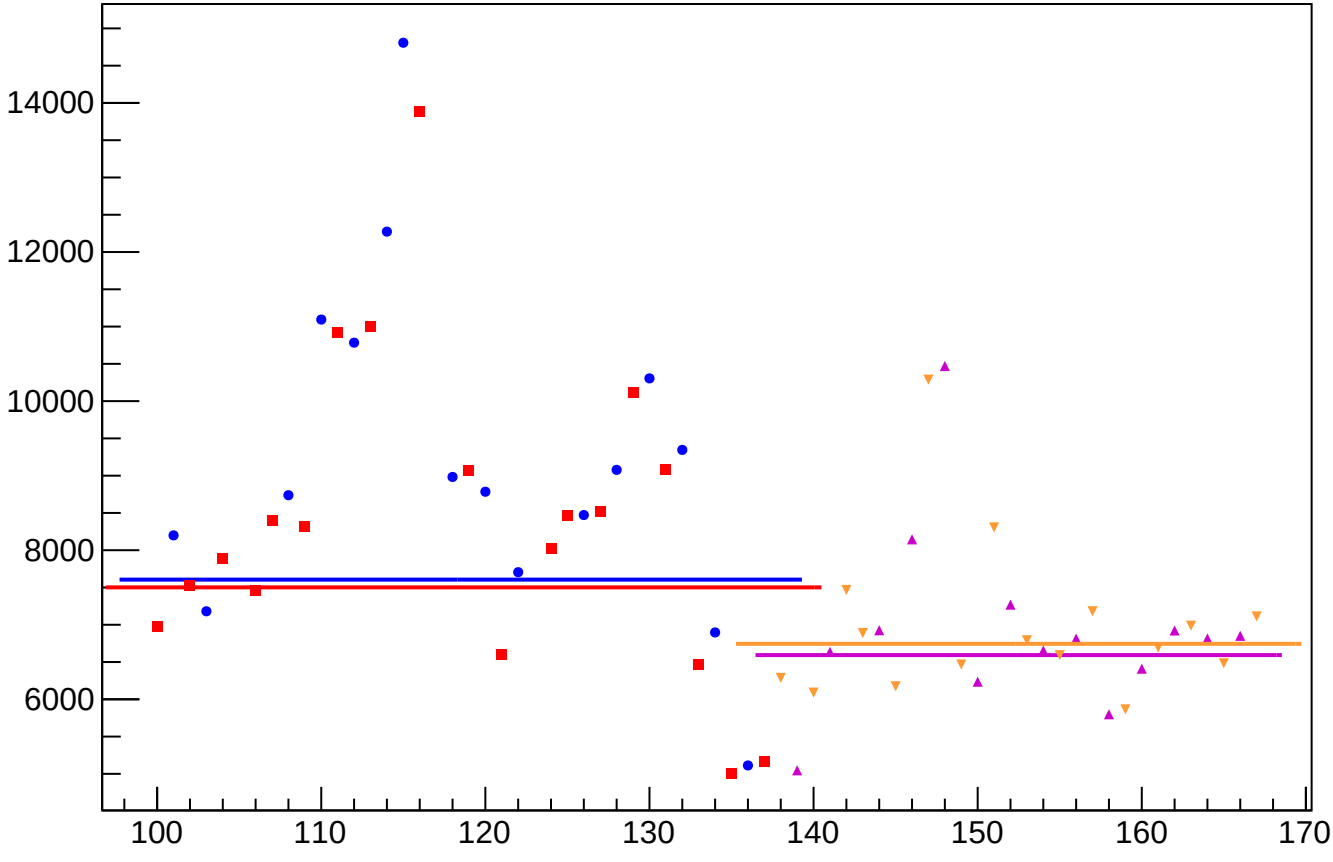
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -2.131+/-1.635 χ^2/NDF:30.7/29

Out: 1.664+/-1.591 χ^2/NDF:37.5/34

All: -0.181+/-1.140 χ^2/NDF: 70.9/64

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6744.224+/-1.358 χ^2/NDF:353715.6/15

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6593.121+/-1.395 χ^2/NDF:507322.3/13

Left: 6670.673+/-0.973 χ^2/NDF: 867060.3/29

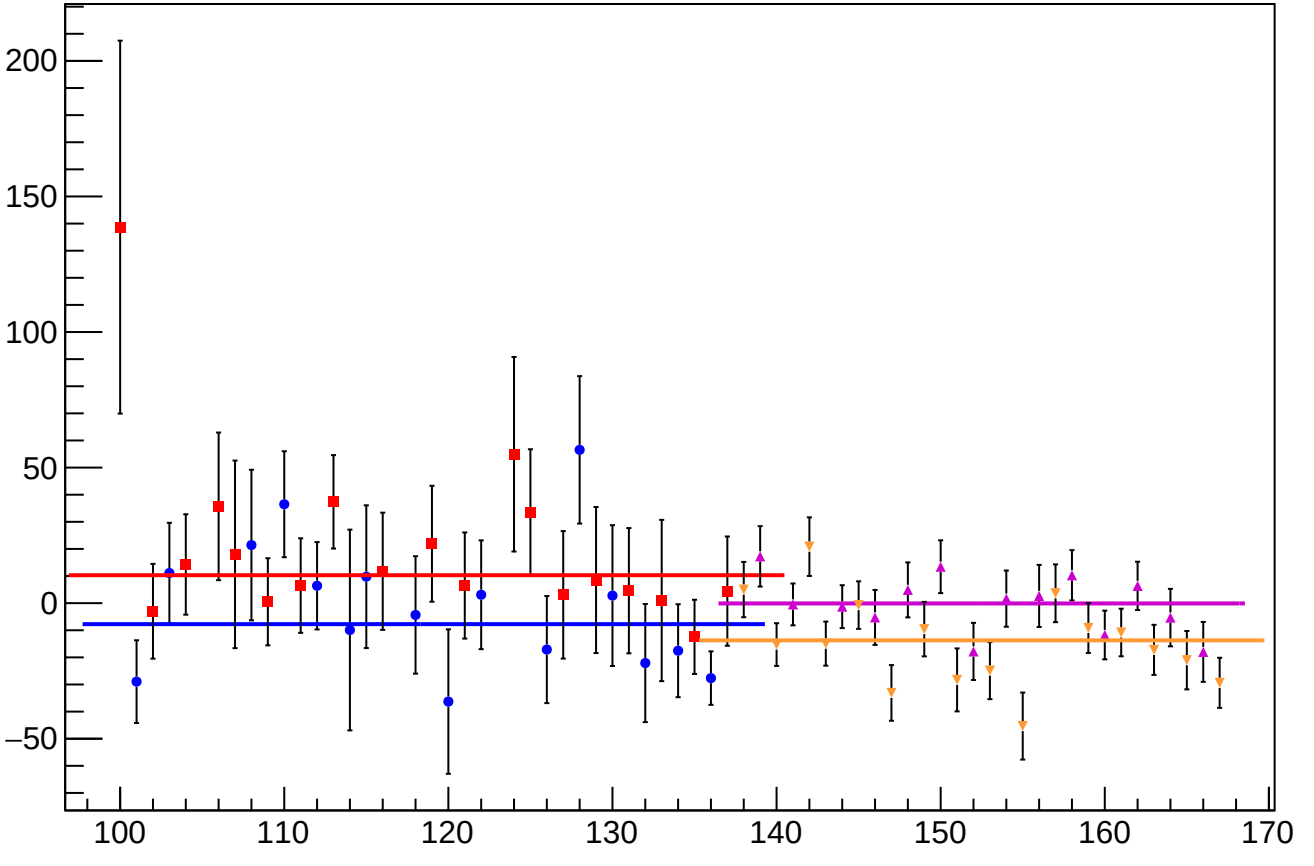
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6910.140+/-1.156 χ^2/NDF:1563792.6/29

Out: 6982.437+/-1.125 χ^2/NDF:1275029.1/34

All: 6947.285+/-0.806 χ^2/NDF: 2840830.8/64

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -13.724+/-2.422 χ^2/NDF:35.3/15

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: -0.106+/-2.577 χ^2/NDF:14.1/13

Left: -7.337+/-1.765 χ^2/NDF: 64.3/29

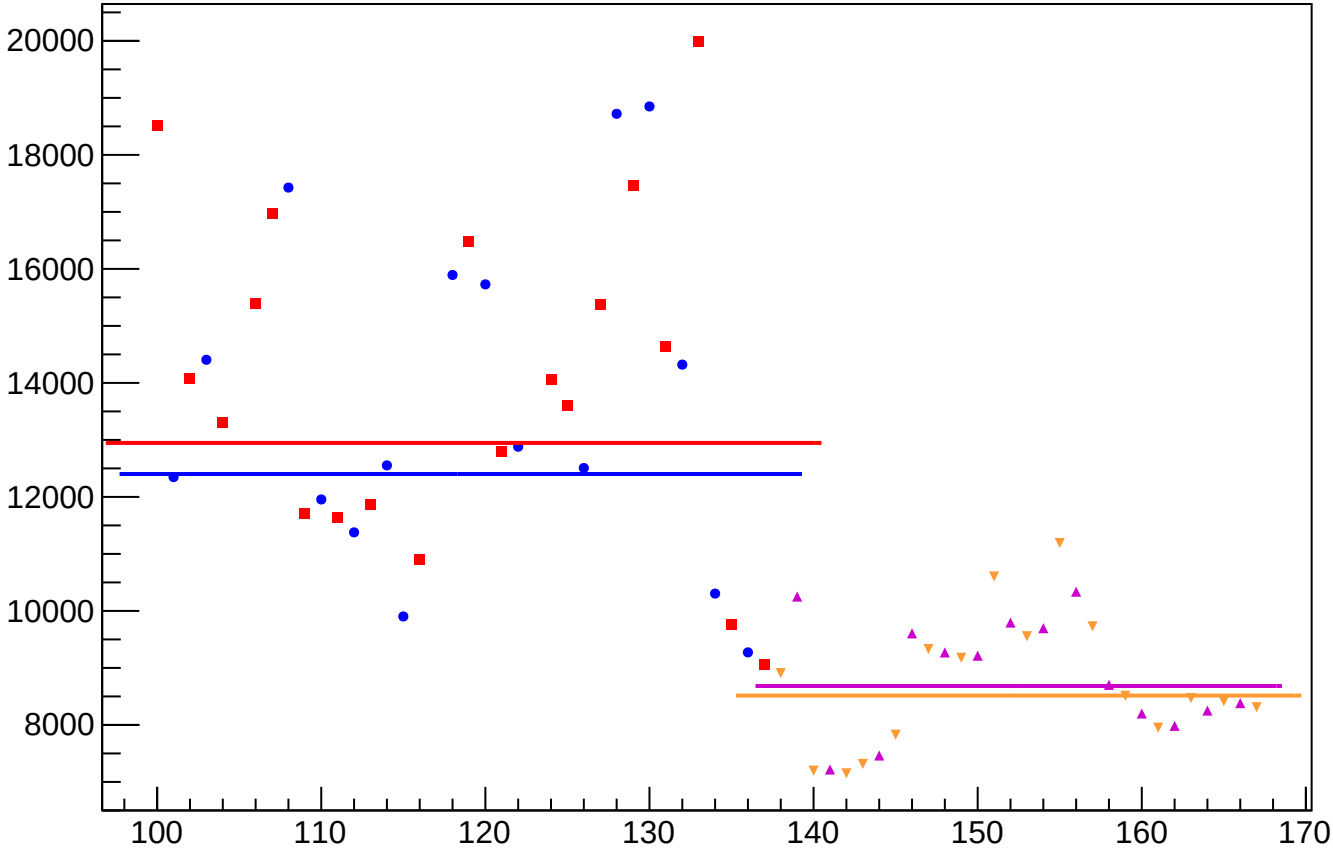
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -1.844+/-2.265 χ^2/NDF:38.8/29

Out: -8.911+/-2.166 χ^2/NDF:69.0/34

All: -5.535+/-1.565 χ^2/NDF: 112.8/64

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8515.427+/-1.713 χ^2/NDF:381325.9/15

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8683.178+/-1.822 χ^2/NDF:294929.5/13

Left: 8594.108+/-1.248 χ^2/NDF: 680754.9/29

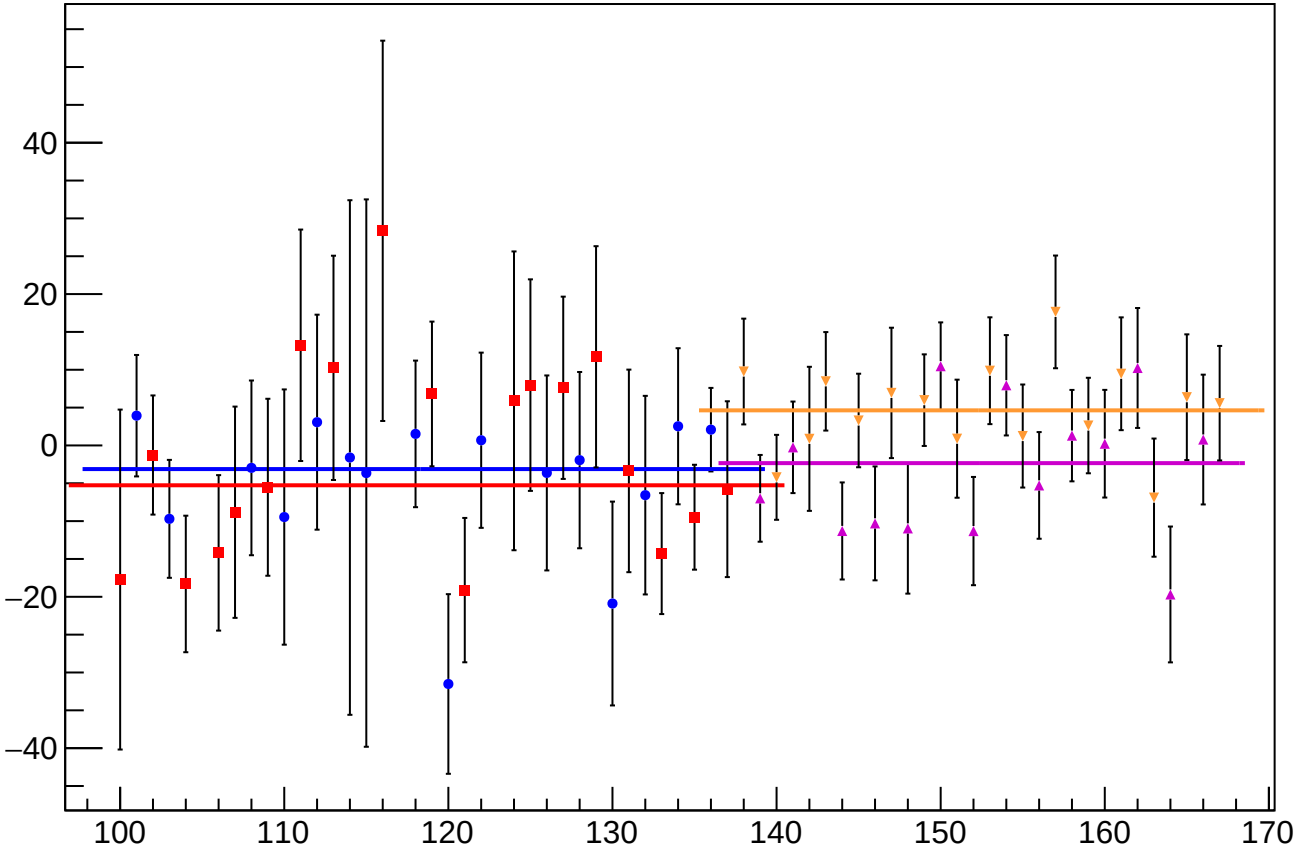
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9529.355+/-1.602 χ^2/NDF:1920794.9/29

Out: 9403.140+/-1.532 χ^2/NDF:2277686.6/34

All: 9463.430+/-1.107 χ^2/NDF: 4201725.3/64

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.636+/-1.764 χ^2/NDF:10.5/15

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -2.337+/-1.842 χ^2/NDF:20.8/13

Left: 1.302+/-1.274 χ^2/NDF: 38.8/29

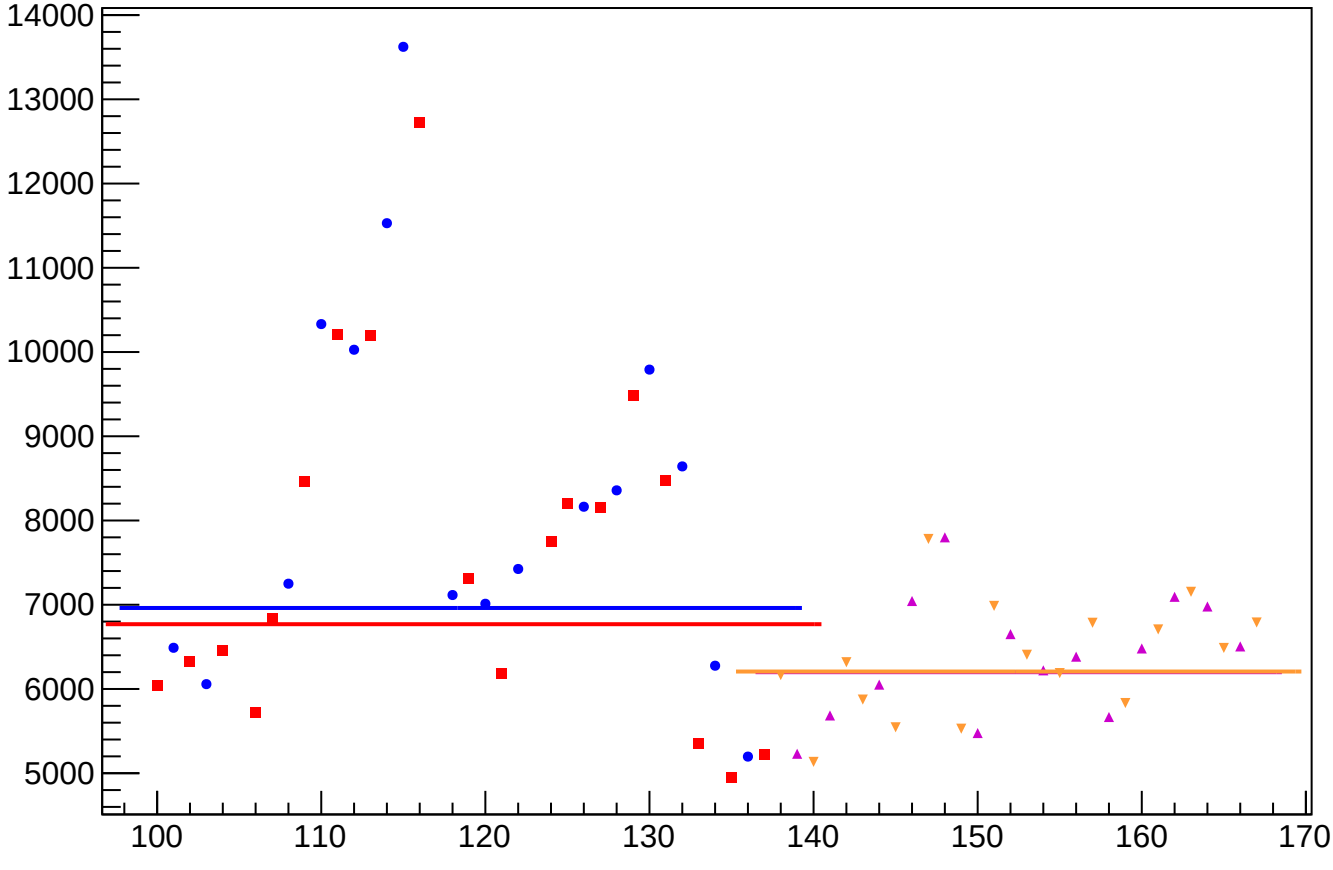
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -2.593+/-1.514 χ^2/NDF:31.7/29

Out: 1.437+/-1.451 χ^2/NDF:37.6/34

All: -0.492+/-1.048 χ^2/NDF: 73.1/64

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6207.100+/-1.247 χ^2/NDF:286708.3/15

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6199.183+/-1.303 χ^2/NDF:269081.6/13

Left: 6203.314+/-0.901 χ^2/NDF: 555809.2/29

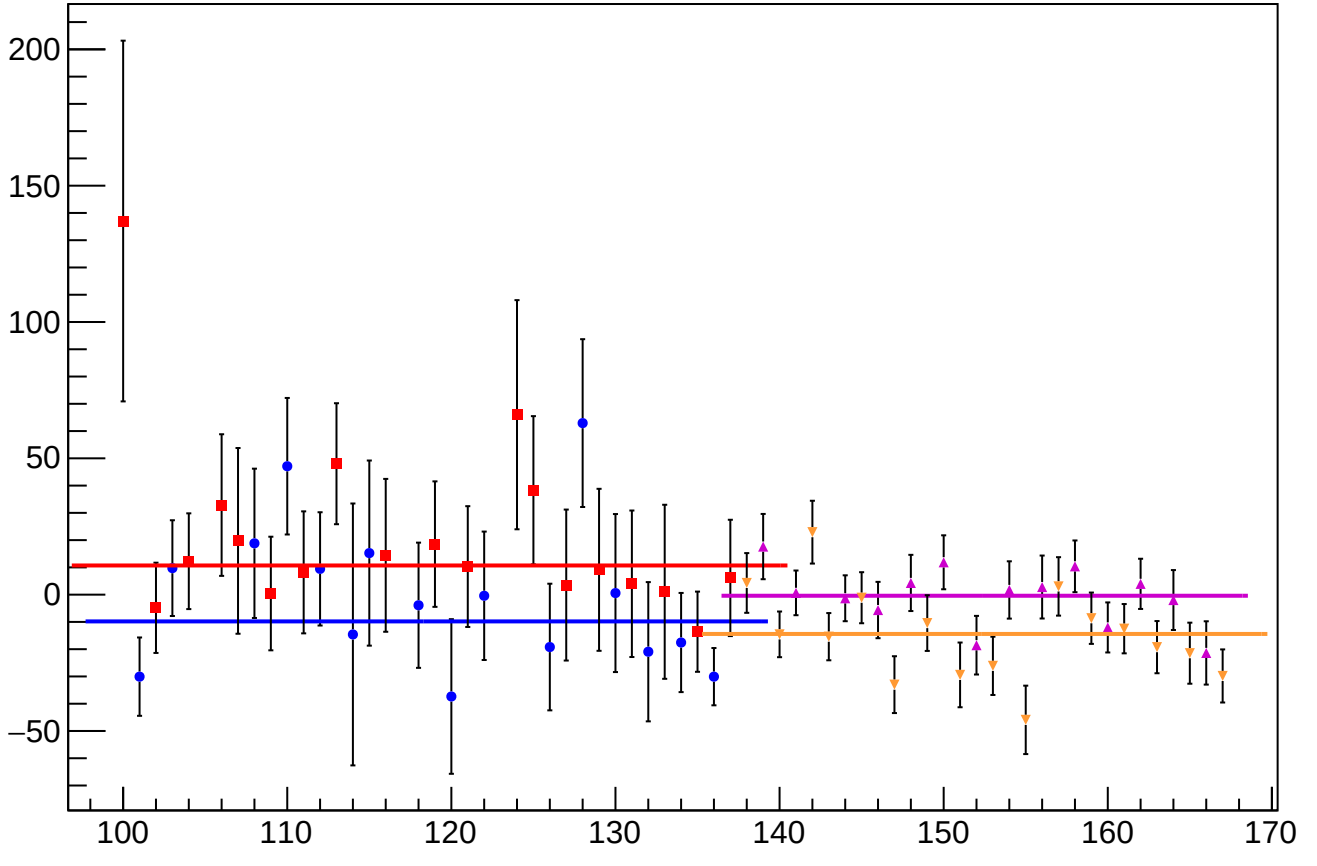
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6446.919+/-1.070 χ^2/NDF:1076773.1/29

Out: 6388.629+/-1.026 χ^2/NDF:1150392.3/34

All: 6416.542+/-0.741 χ^2/NDF: 2228710.8/64

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -14.412+/-2.519 χ^2/NDF:34.1/15

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: -0.399+/-2.666 χ^2/NDF:13.7/13

Left: -7.801+/-1.831 χ^2/NDF: 62.4/29

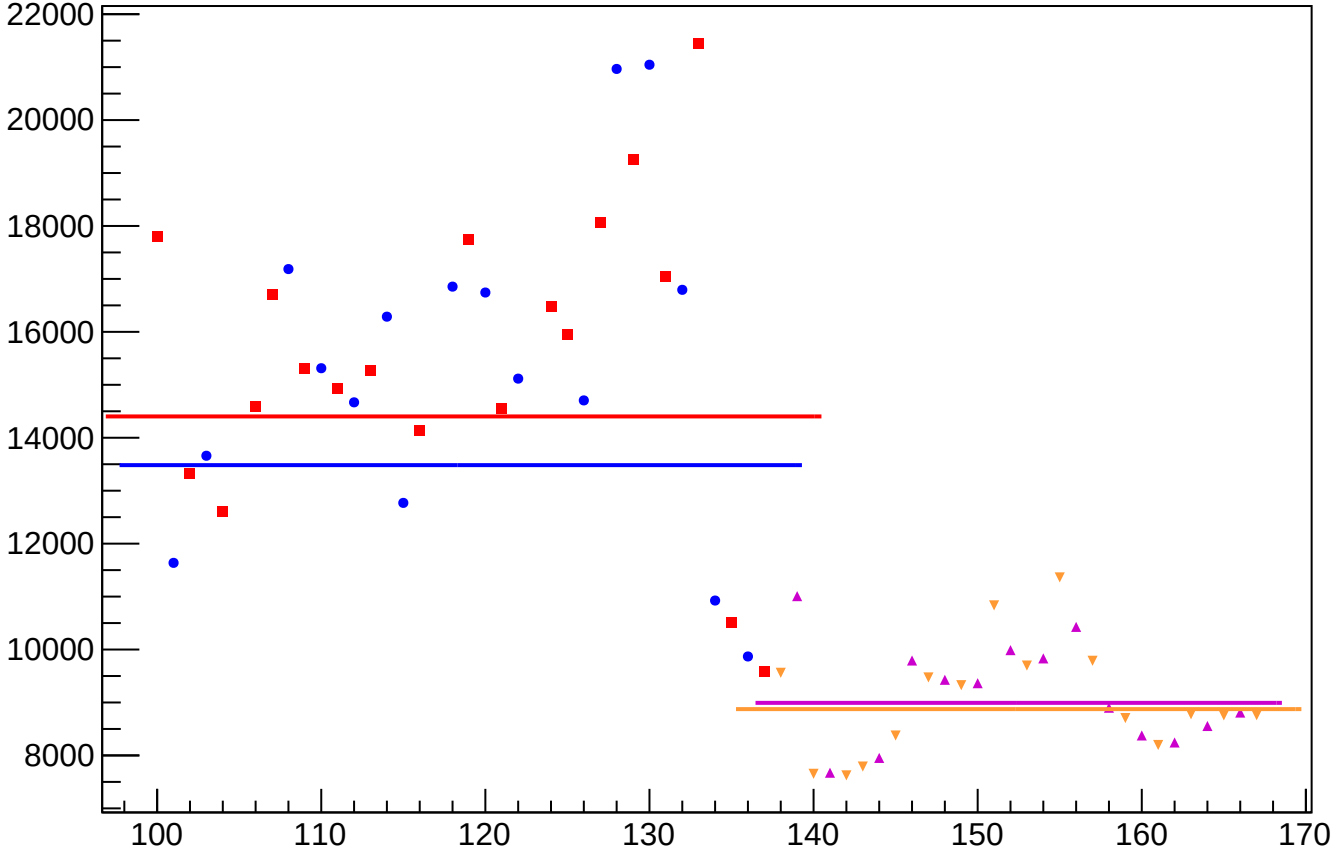
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.371+/-2.370 χ^2/NDF:38.3/29

Out: -9.896+/-2.282 χ^2/NDF:66.3/34

All: -6.277+/-1.644 χ^2/NDF: 109.8/64

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8874.690+/-1.782 χ^2/NDF:293605.5/15

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8992.926+/-1.885 χ^2/NDF:244336.4/13

Left: 8930.466+/-1.295 χ^2/NDF: 540019.8/29

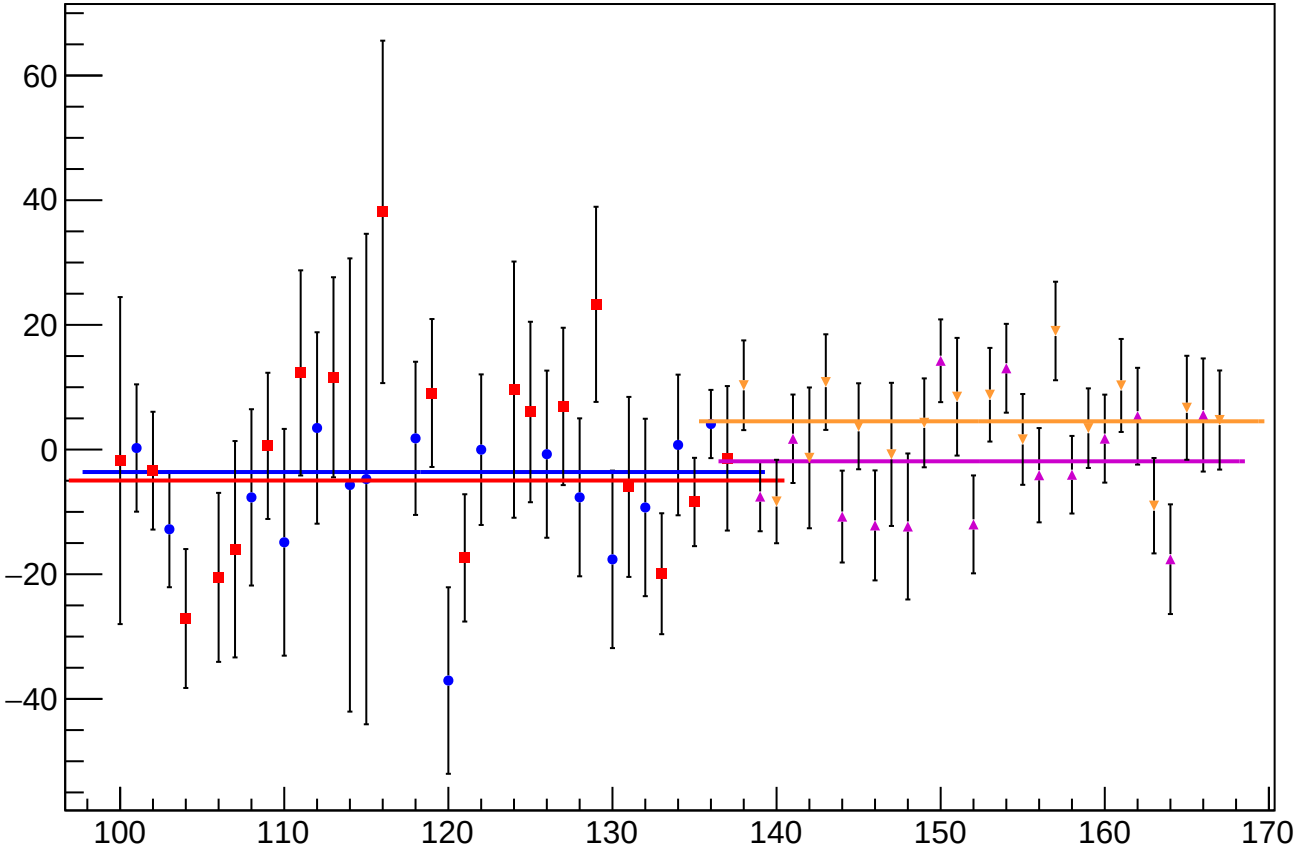
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9933.845+/-1.676 χ^2/NDF:2176673.7/29

Out: 9868.794+/-1.613 χ^2/NDF:2577474.7/34

All: 9900.080+/-1.162 χ^2/NDF: 4754930.3/64

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.532+/-1.930 χ^2/NDF:13.4/15

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -1.884+/-1.983 χ^2/NDF:22.0/13

Left: 1.410+/-1.383 χ^2/NDF: 40.8/29

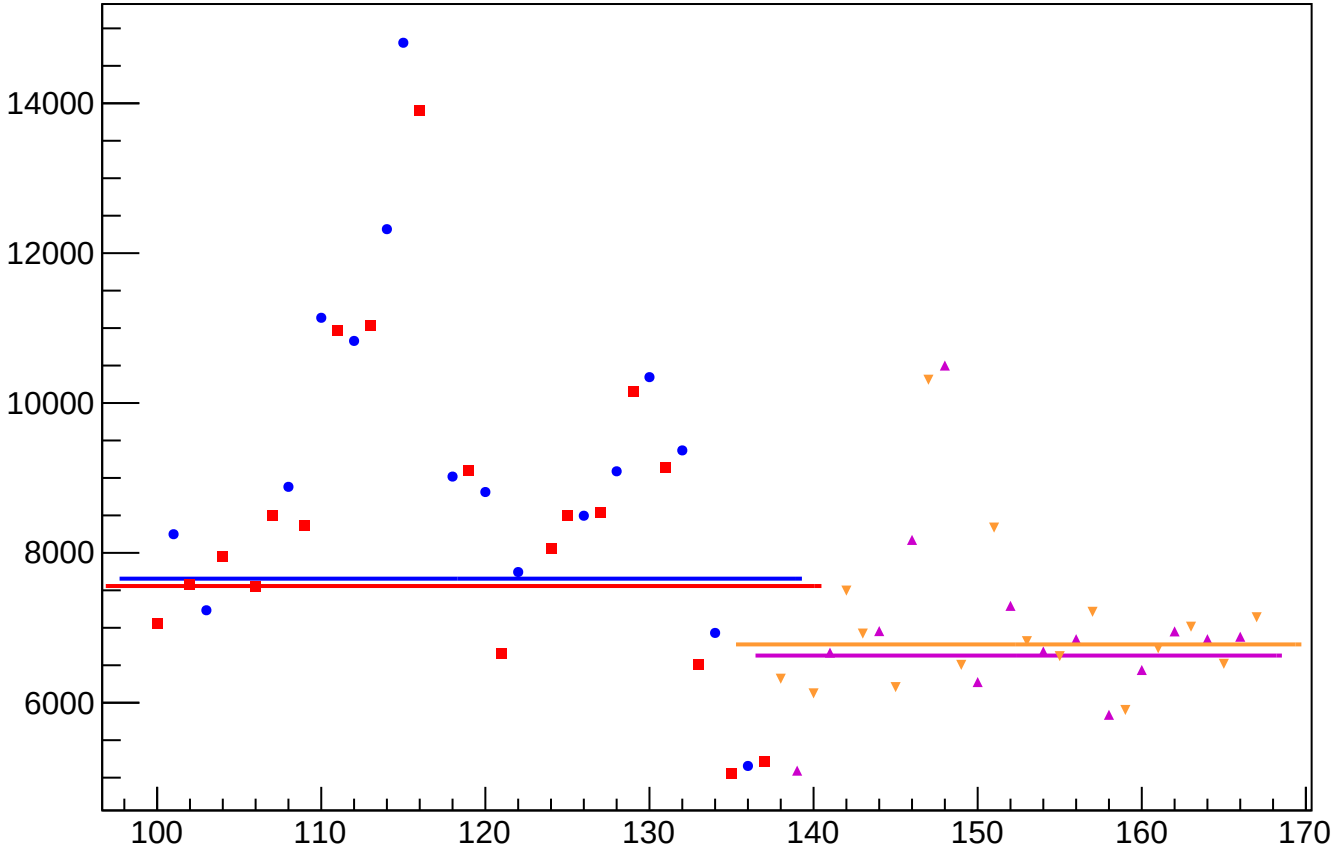
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.422+/-1.644 χ^2/NDF:32.8/29

Out: 1.553+/-1.599 χ^2/NDF:42.3/34

All: -0.380+/-1.146 χ^2/NDF: 78.1/64

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6778.182+/-1.365 χ^2/NDF:349151.8/15

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6629.504+/-1.402 χ^2/NDF:497482.2/13

Left: 6705.839+/-0.978 χ^2/NDF: 852406.4/29

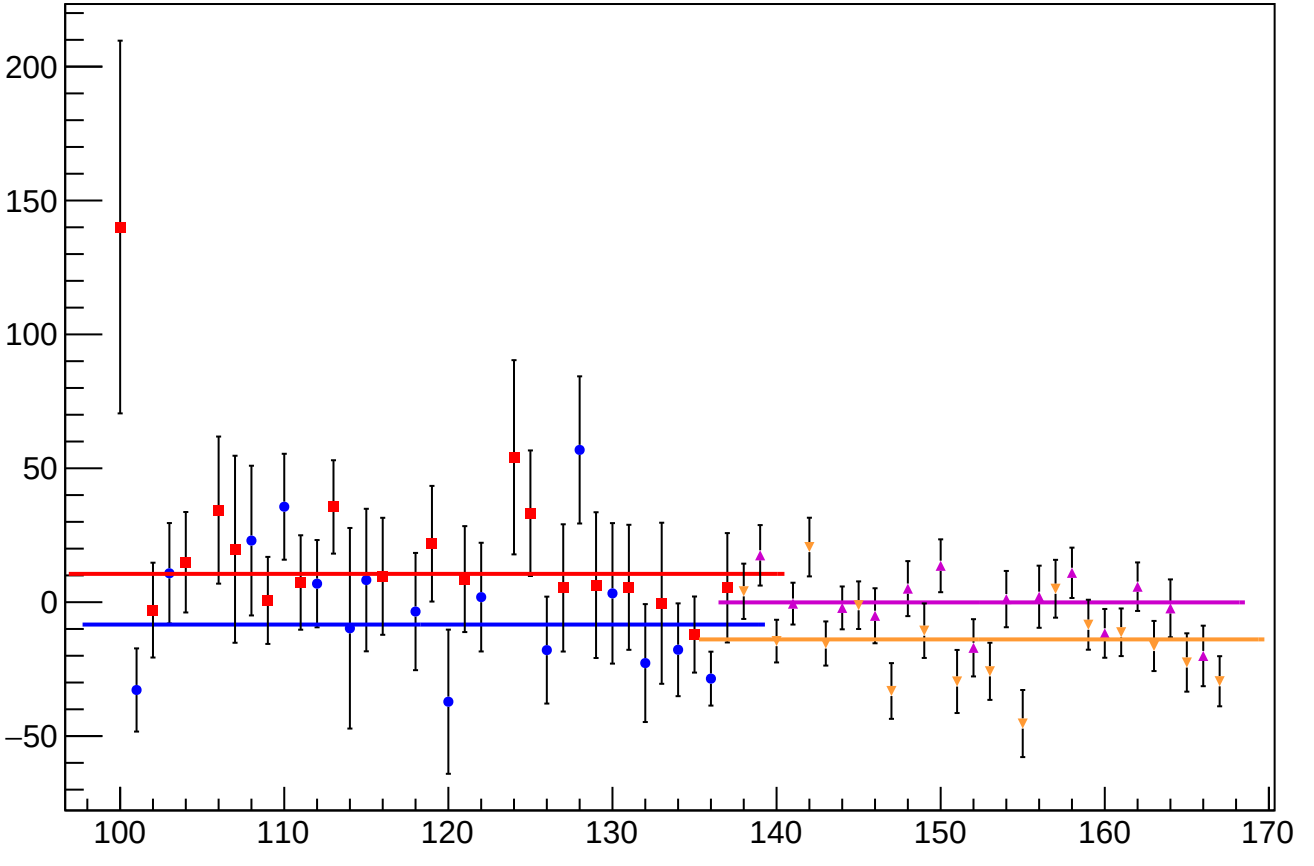
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6950.435+/-1.162 χ^2/NDF:1544781.3/29

Out: 7022.645+/-1.131 χ^2/NDF:1261255.3/34

All: 6987.535+/-0.811 χ^2/NDF: 2808019.1/64

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -13.897+/-2.454 χ^2/NDF:34.9/15

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: -0.078+/-2.615 χ^2/NDF:14.0/13

Left: -7.425+/-1.790 χ^2/NDF: 63.8/29

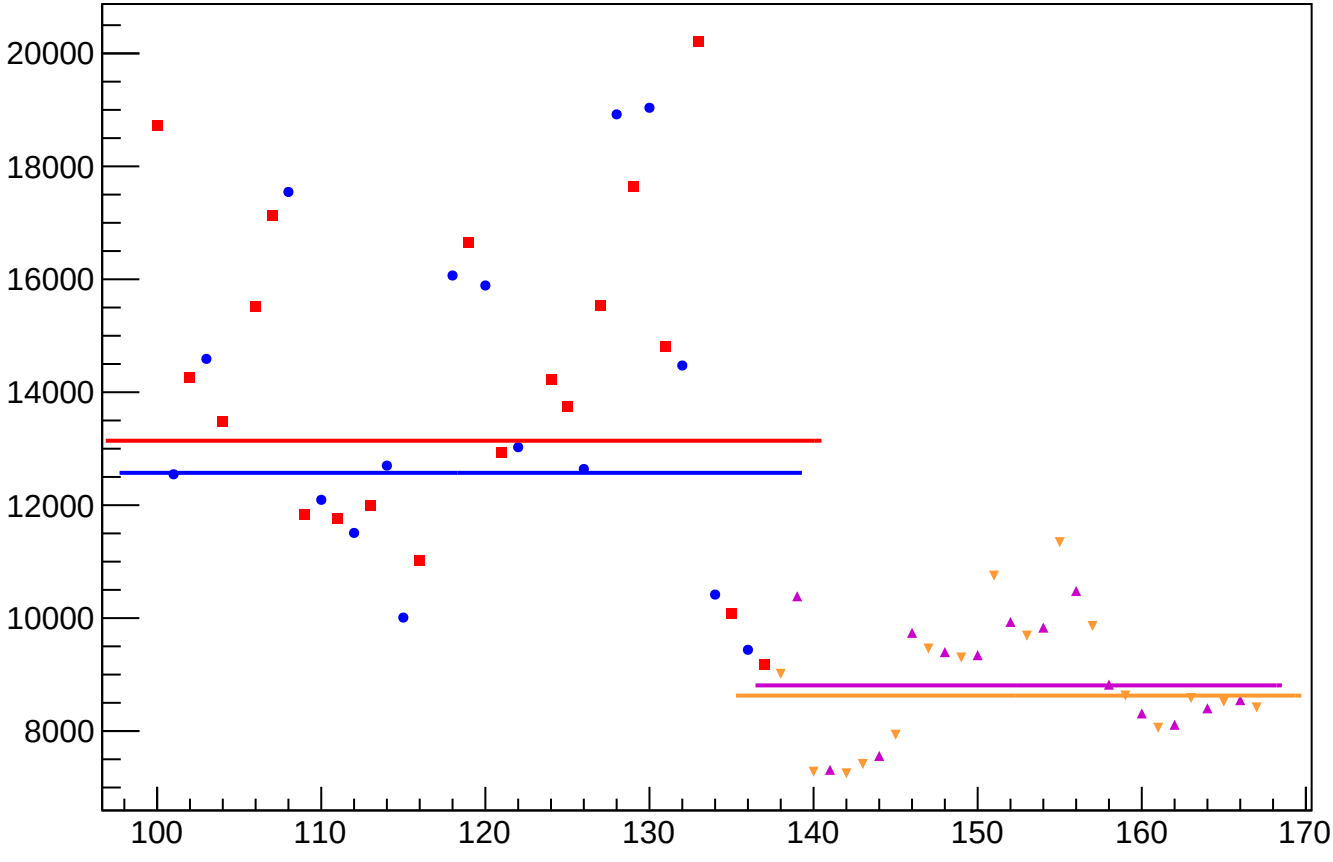
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -1.963+/-2.298 χ^2/NDF:39.6/29

Out: -9.006+/-2.195 χ^2/NDF:67.6/34

All: -5.645+/-1.587 χ^2/NDF: 112.1/64

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8627.920+/-1.735 χ^2/NDF:382880.0/15

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8808.365+/-1.849 χ^2/NDF:294181.5/13

Left: 8712.428+/-1.265 χ^2/NDF: 682124.8/29

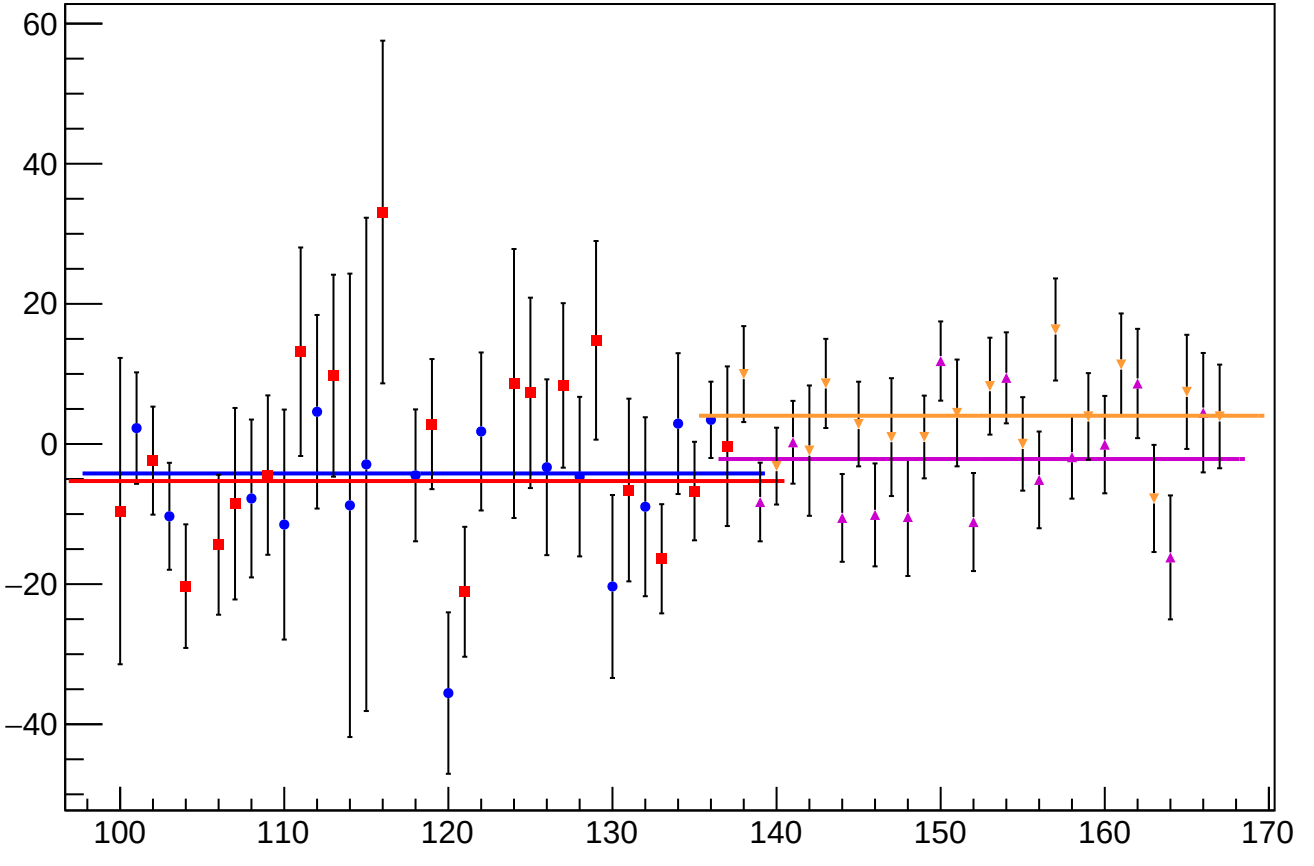
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9666.062+/-1.625 χ^2/NDF:1903514.4/29

Out: 9529.875+/-1.552 χ^2/NDF:2269283.5/34

All: 9594.865+/-1.122 χ^2/NDF: 4176470.7/64

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.034+/-1.726 χ^2/NDF:10.9/15

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -2.145+/-1.805 χ^2/NDF:21.6/13

Left: 1.083+/-1.247 χ^2/NDF: 38.6/29

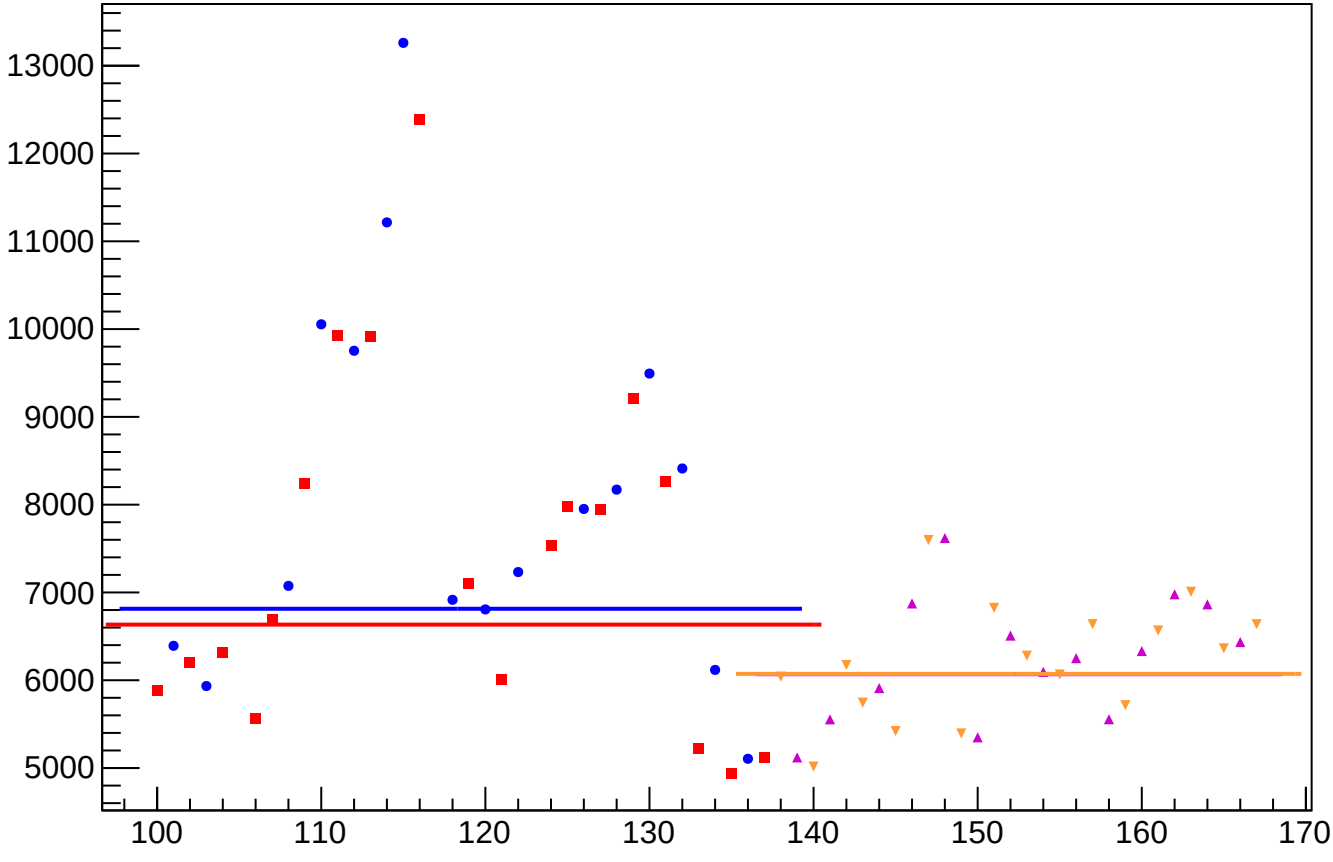
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -2.814+/-1.483 χ^2/NDF:35.8/29

Out: 1.029+/-1.420 χ^2/NDF:40.0/34

All: -0.810+/-1.026 χ^2/NDF: 79.4/64

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6072.555+/-1.220 χ^2/NDF:288489.6/15

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6068.811+/-1.276 χ^2/NDF:272052.5/13

Left: 6070.766+/-0.882 χ^2/NDF: 560546.6/29

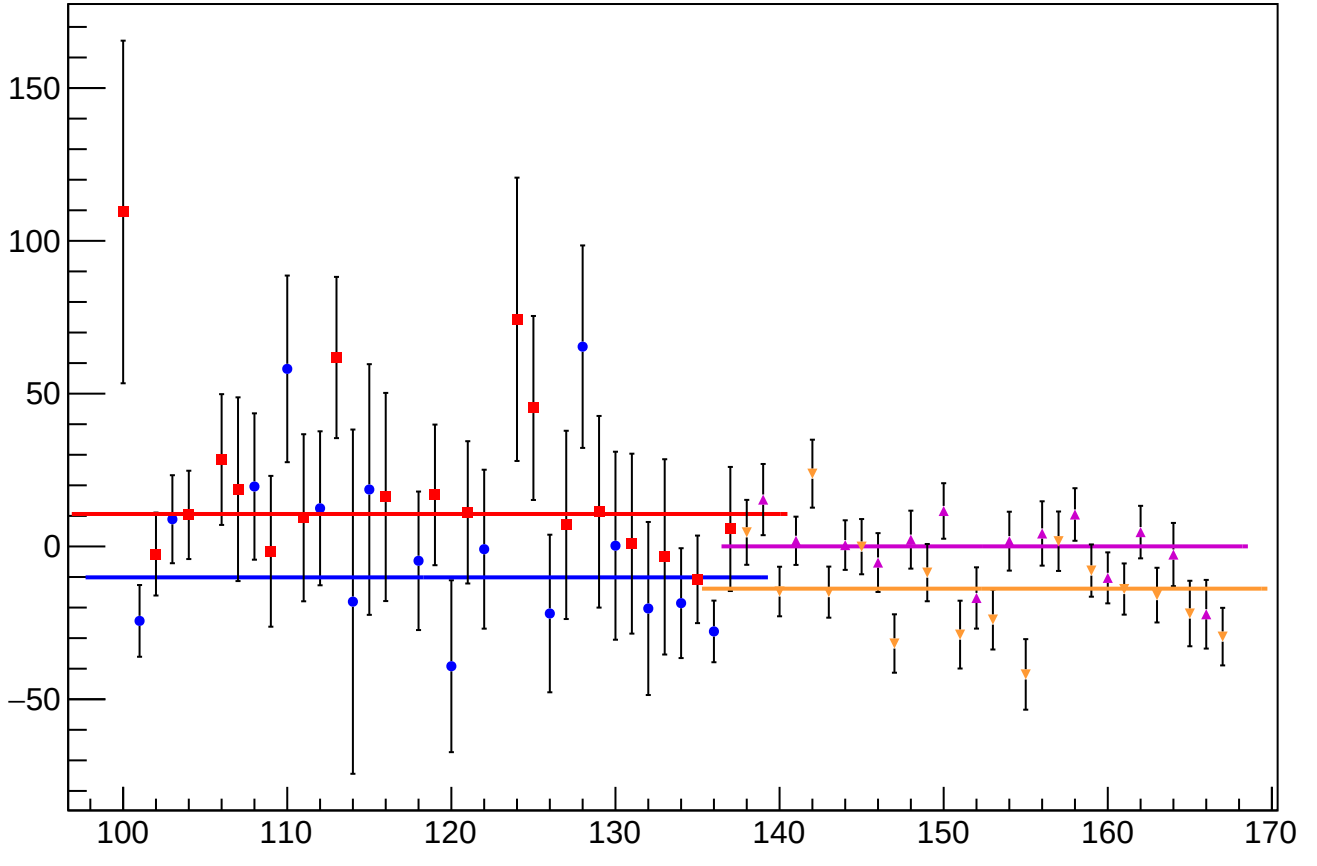
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6311.128+/-1.048 χ^2/NDF:1057088.4/29

Out: 6253.426+/-1.004 χ^2/NDF:1120010.6/34

All: 6281.044+/-0.725 χ^2/NDF: 2178678.6/64

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -13.813+/-2.370 χ^2/NDF:35.9/15

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 0.027+/-2.492 χ^2/NDF:14.1/13

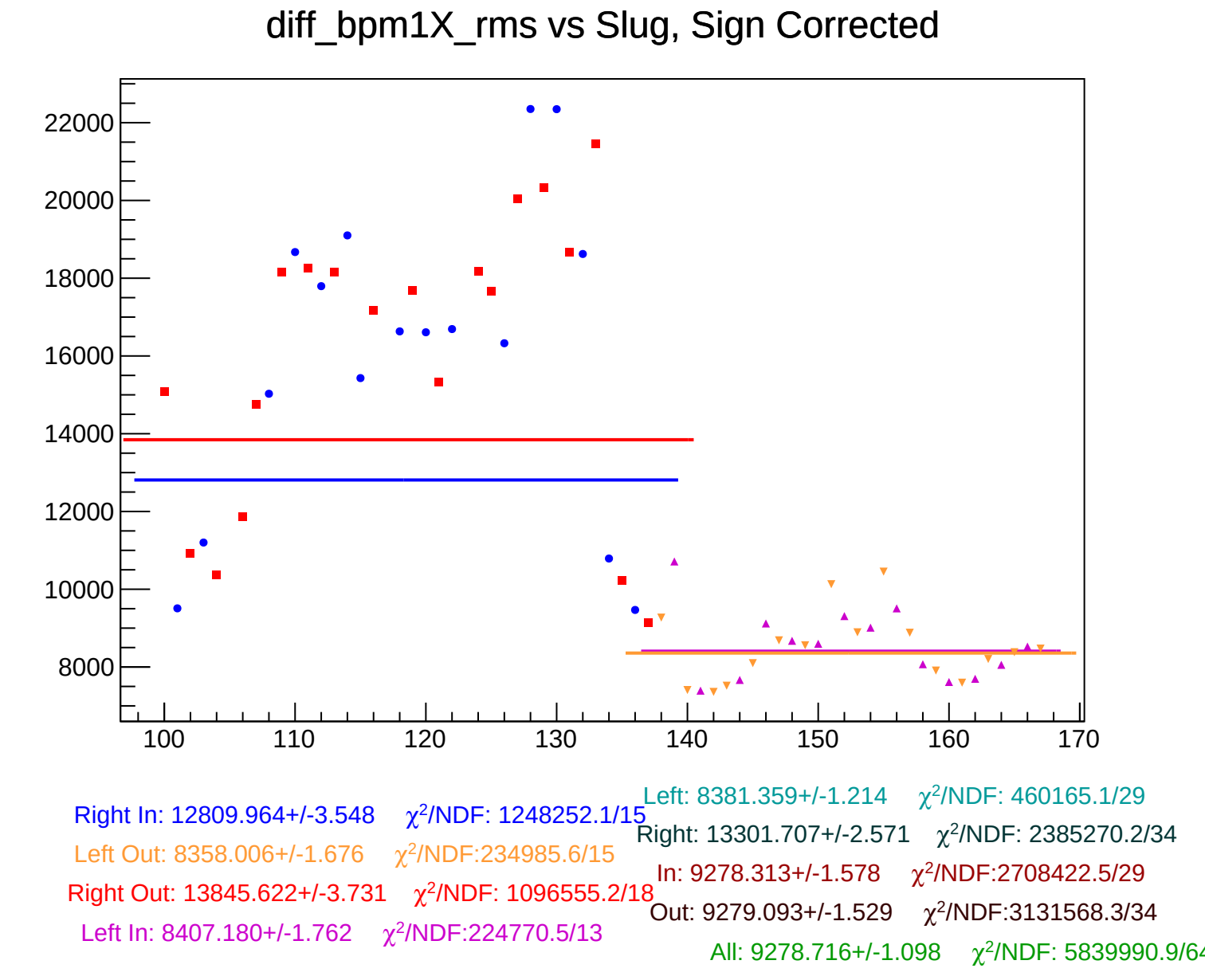
Left: -7.240+/-1.717 χ^2/NDF: 66.1/29

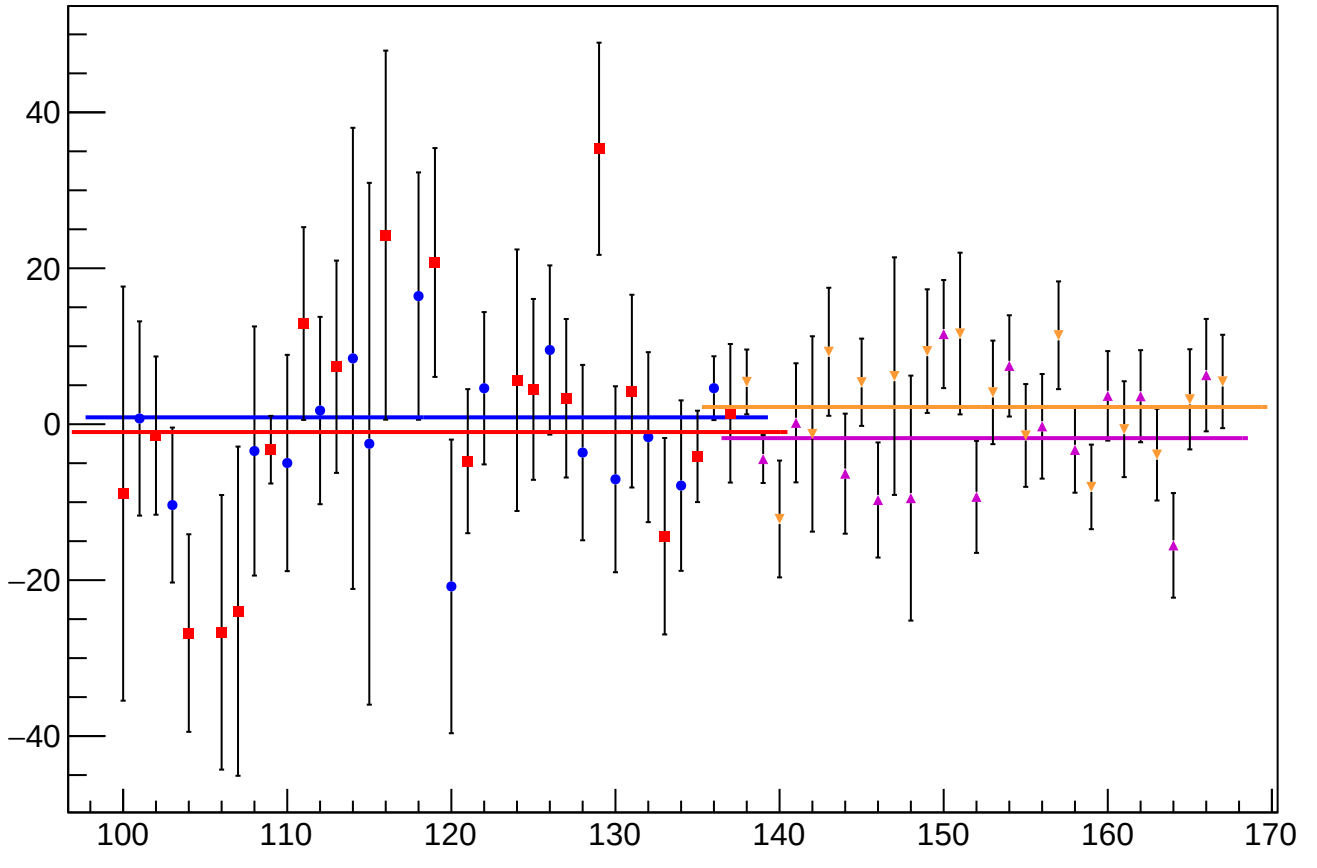
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

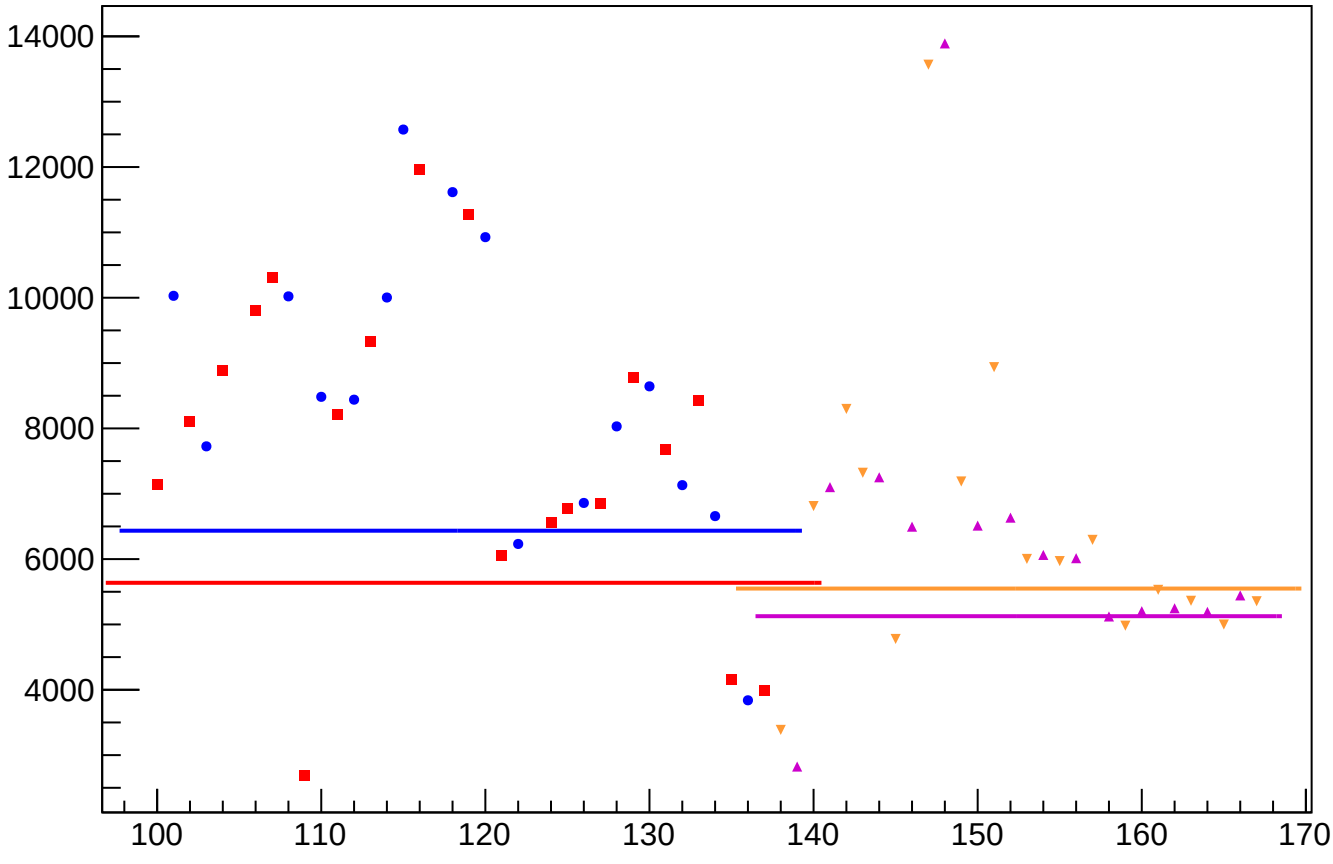
In: -1.979+/-2.232 χ^2/NDF:38.6/29

Out: -9.711+/-2.162 χ^2/NDF:68.5/34

All: -5.968+/-1.553 χ^2/NDF: 113.3/64


diff_bpm1X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8358.006+/-1.676 χ²/NDF:234985.6/15
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8407.180+/-1.762 χ²/NDF:224770.5/13
Left: 8381.359+/-1.214 χ²/NDF: 460165.1/29
Right: 13301.707+/-2.571 χ²/NDF: 2385270.2/34
In: 9278.313+/-1.578 χ²/NDF:2708422.5/29
Out: 9279.093+/-1.529 χ²/NDF:3131568.3/34
All: 9278.716+/-1.098 χ²/NDF: 5839990.9/64


diff_bpm1Y_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: 0.882+/-2.566 χ²/NDF: 6.8/15
Left Out: 2.207+/-1.652 χ²/NDF:14.5/15
Right Out: -1.006+/-2.314 χ²/NDF: 22.3/18
Left In: -1.785+/-1.618 χ²/NDF:16.7/13
Left: 0.169+/-1.156 χ²/NDF: 34.2/29
Right: -0.159+/-1.718 χ²/NDF: 29.4/34
In: -1.027+/-1.368 χ²/NDF:24.3/29
Out: 1.122+/-1.344 χ²/NDF:38.1/34
All: 0.067+/-0.959 χ²/NDF: 63.6/64



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5549.198+/-1.168 χ^2/NDF:1760494.5/15

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5126.240+/-1.144 χ^2/NDF:2349650.7/13

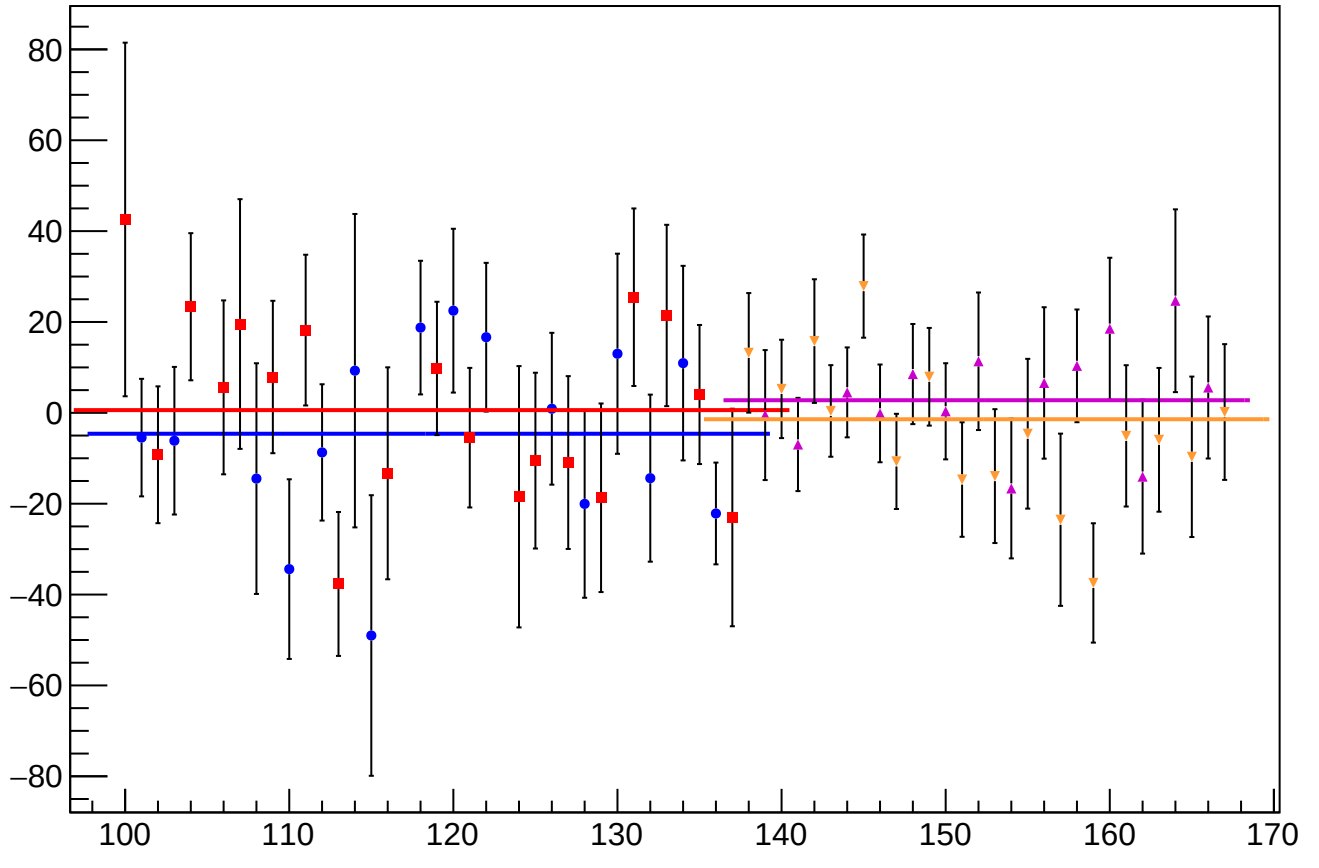
Left: 5333.296+/-0.817 χ^2/NDF: 4177072.6/29

Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5498.334+/-0.968 χ^2/NDF:4472296.8/29

Out: 5578.957+/-0.951 χ^2/NDF:4342430.6/34

All: 5539.359+/-0.678 χ^2/NDF: 8818259.6/64



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.410+/-3.261 χ^2/NDF:22.6/15

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 2.774+/-3.466 χ^2/NDF:6.9/13

Left: 0.555+/-2.375 χ^2/NDF: 30.3/29

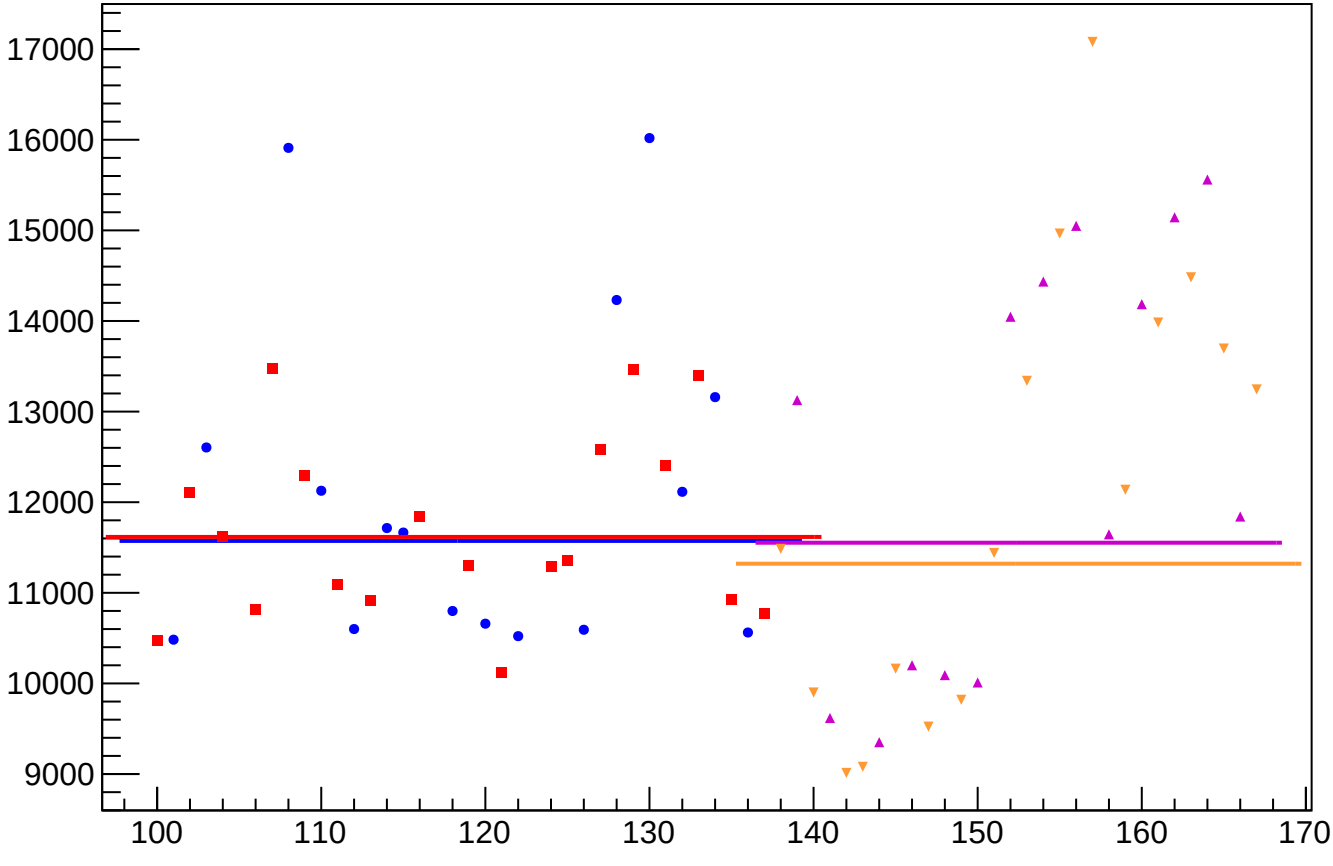
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -0.086+/-2.712 χ^2/NDF:24.5/29

Out: -0.669+/-2.591 χ^2/NDF:40.6/34

All: -0.391+/-1.873 χ^2/NDF: 65.1/64

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11321.329+/-2.306 χ^2/NDF:845373.8/15

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11552.867+/-2.451 χ^2/NDF:742858.6/13

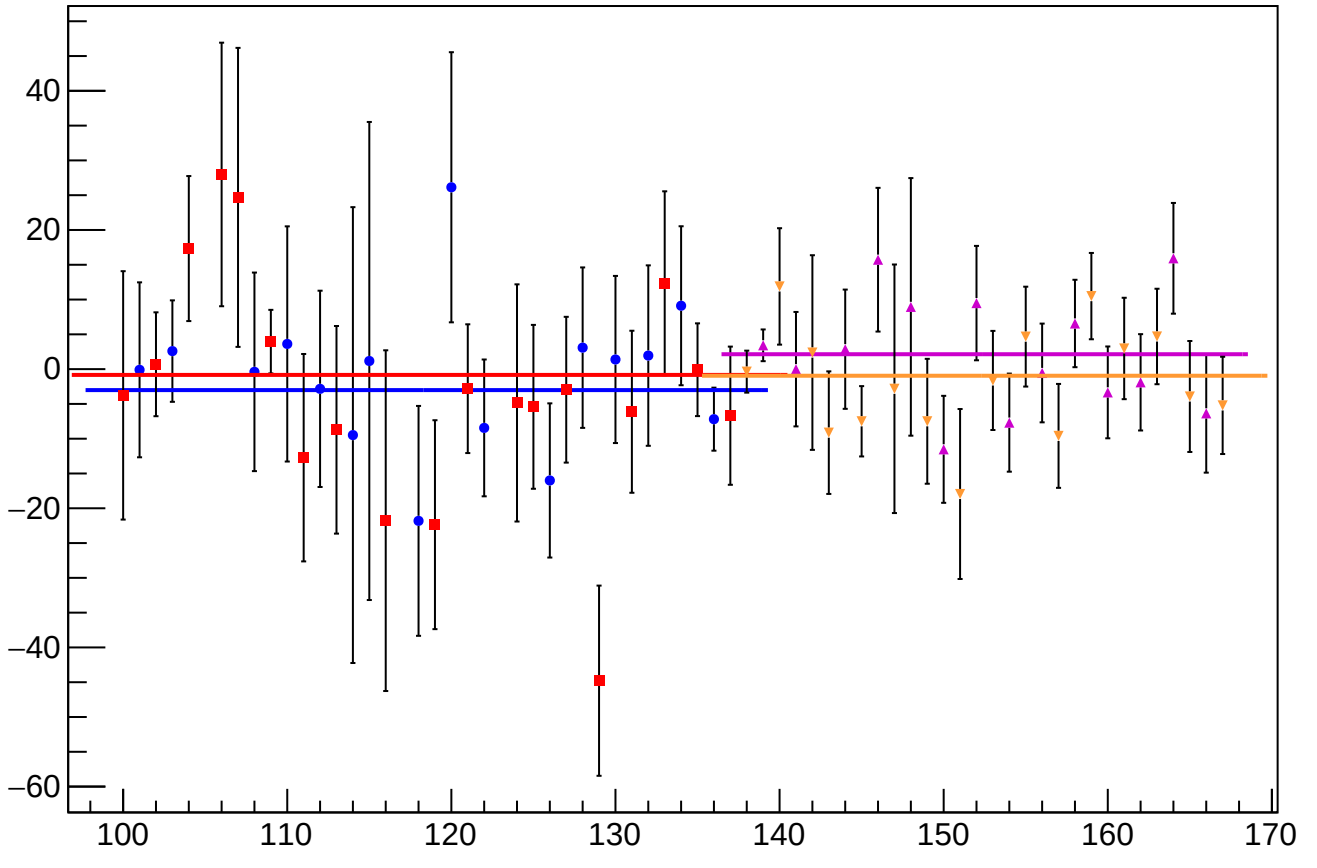
Left: 11430.040+/-1.679 χ^2/NDF: 1592966.5/29

Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11560.703+/-1.918 χ^2/NDF:1002951.9/29

Out: 11430.276+/-1.832 χ^2/NDF:944593.3/34

All: 11492.512+/-1.325 χ^2/NDF: 1949963.8/6



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.950+/-1.660 χ^2/NDF:14.3/15

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 2.143+/-1.574 χ^2/NDF:13.8/13

Left: 0.678+/-1.142 χ^2/NDF: 30.0/29

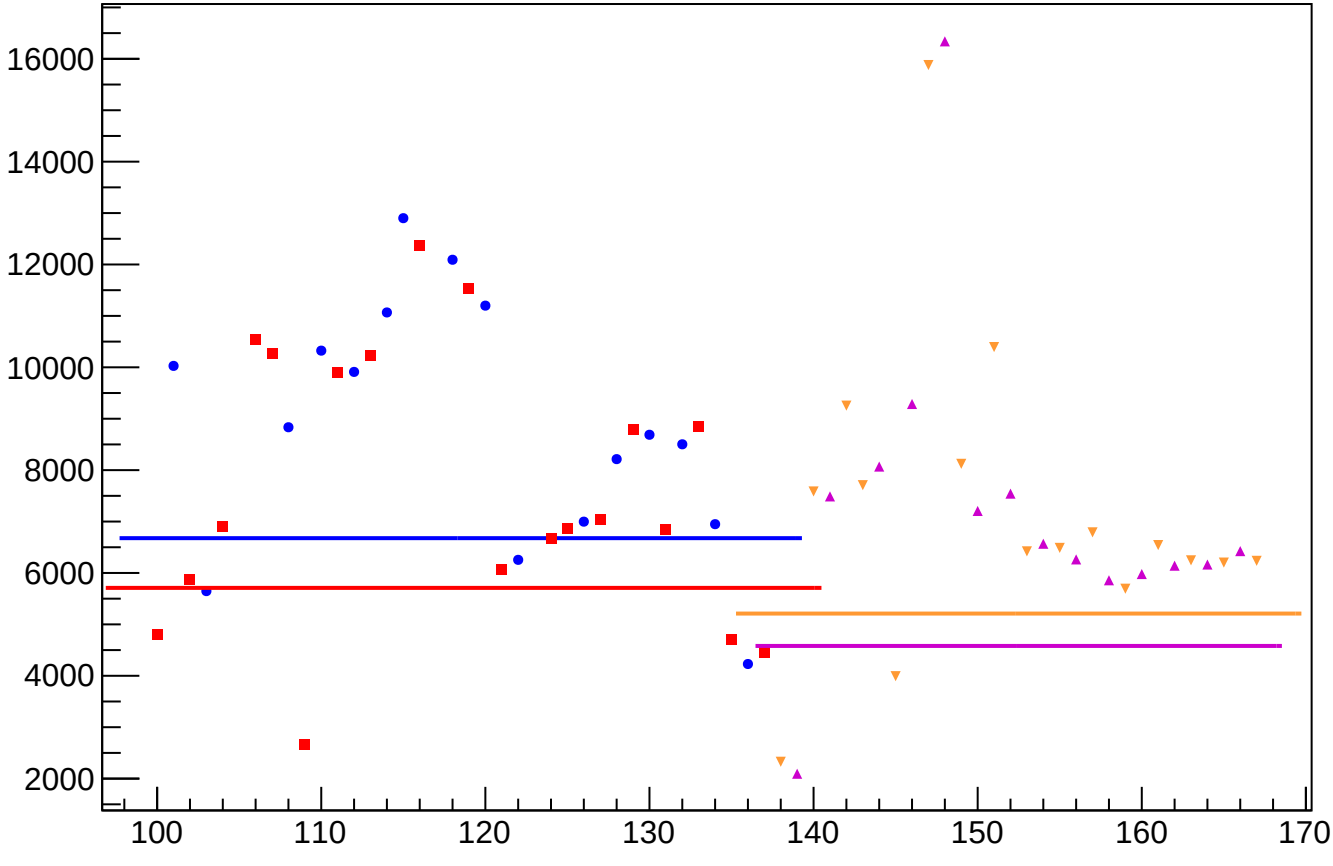
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.800+/-1.354 χ^2/NDF:25.3/29

Out: -0.911+/-1.356 χ^2/NDF:38.1/34

All: -0.054+/-0.958 χ^2/NDF: 64.2/64

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5210.274+/-1.174 χ^2/NDF:4123470.4/15

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4580.667+/-1.113 χ^2/NDF:5391736.8/13

Left: 4878.769+/-0.808 χ^2/NDF: 9666661.9/29

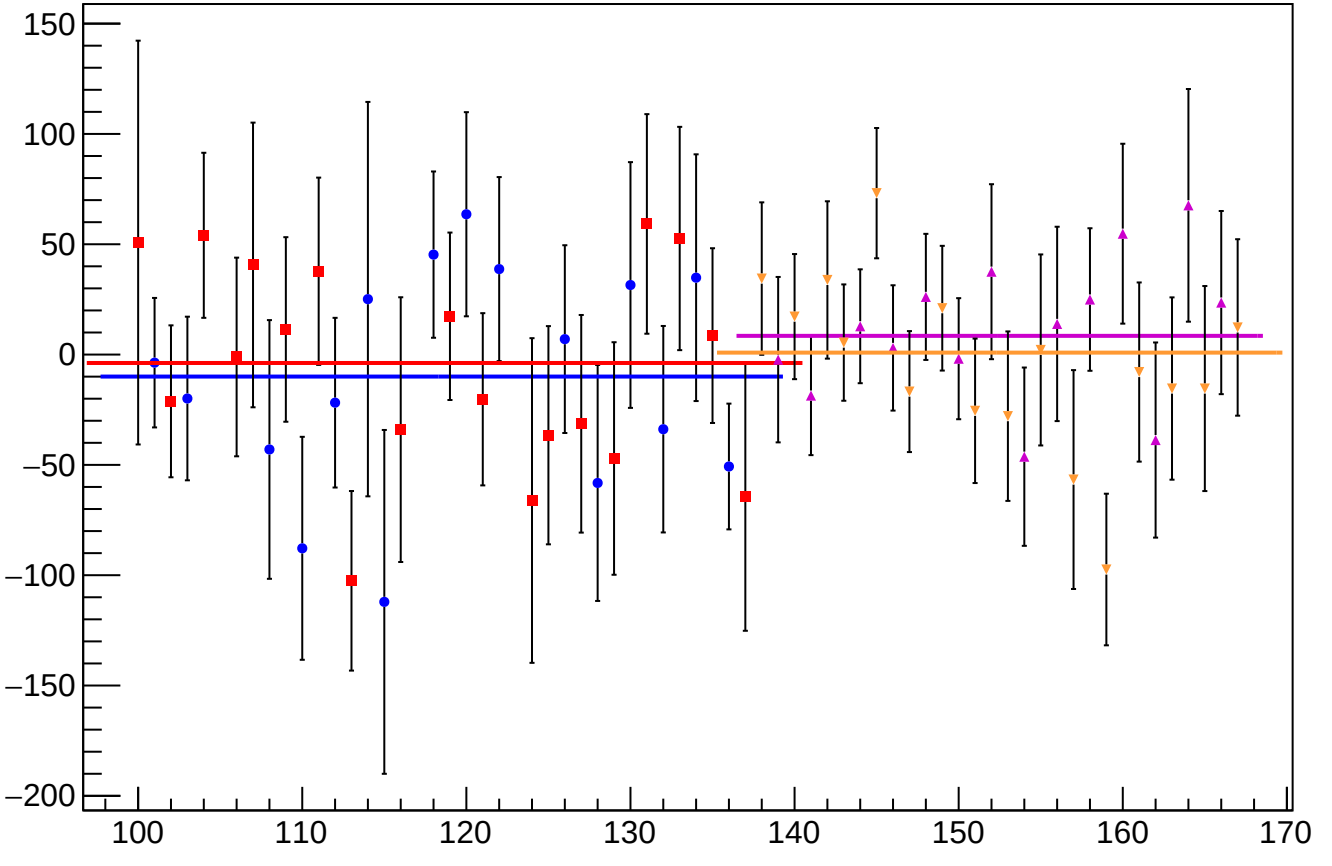
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5126.296+/-0.957 χ^2/NDF:7887574.8/29

Out: 5376.433+/-0.959 χ^2/NDF:6484741.8/34

All: 5251.158+/-0.678 χ^2/NDF: 14406388.2/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.884+/-8.539 χ^2/NDF:20.2/15

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 8.485+/-9.070 χ^2/NDF:8.1/13

Left: 4.455+/-6.217 χ^2/NDF: 28.7/29

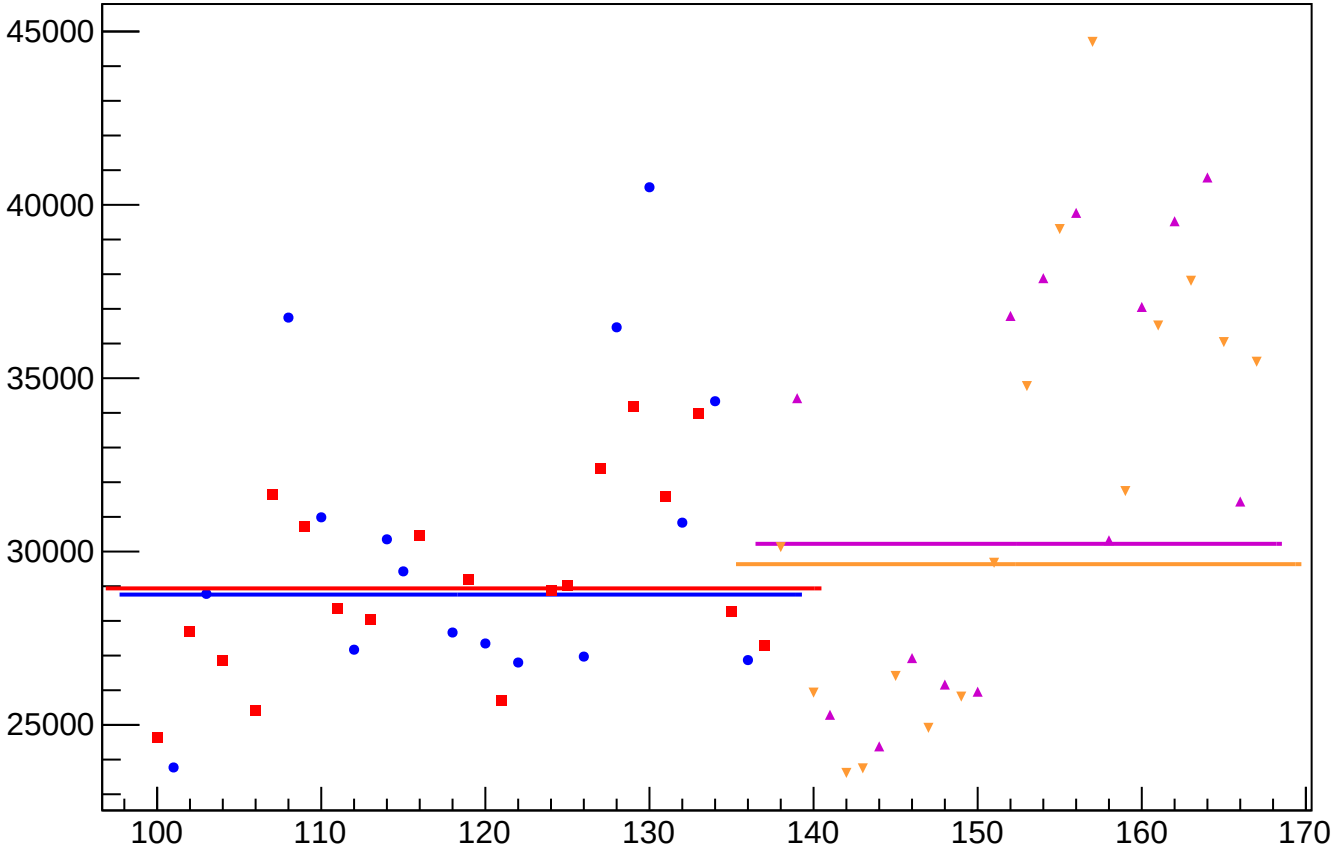
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.882+/-6.955 χ^2/NDF:25.2/29

Out: -0.957+/-6.659 χ^2/NDF:37.6/34

All: -0.078+/-4.810 χ^2/NDF: 62.8/64

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29636.413+/-6.038 χ^2/NDF:854919.3/15

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30223.044+/-6.414 χ^2/NDF:757601.8/13

Left: 29912.037+/-4.396 χ^2/NDF: 1616956.2/29

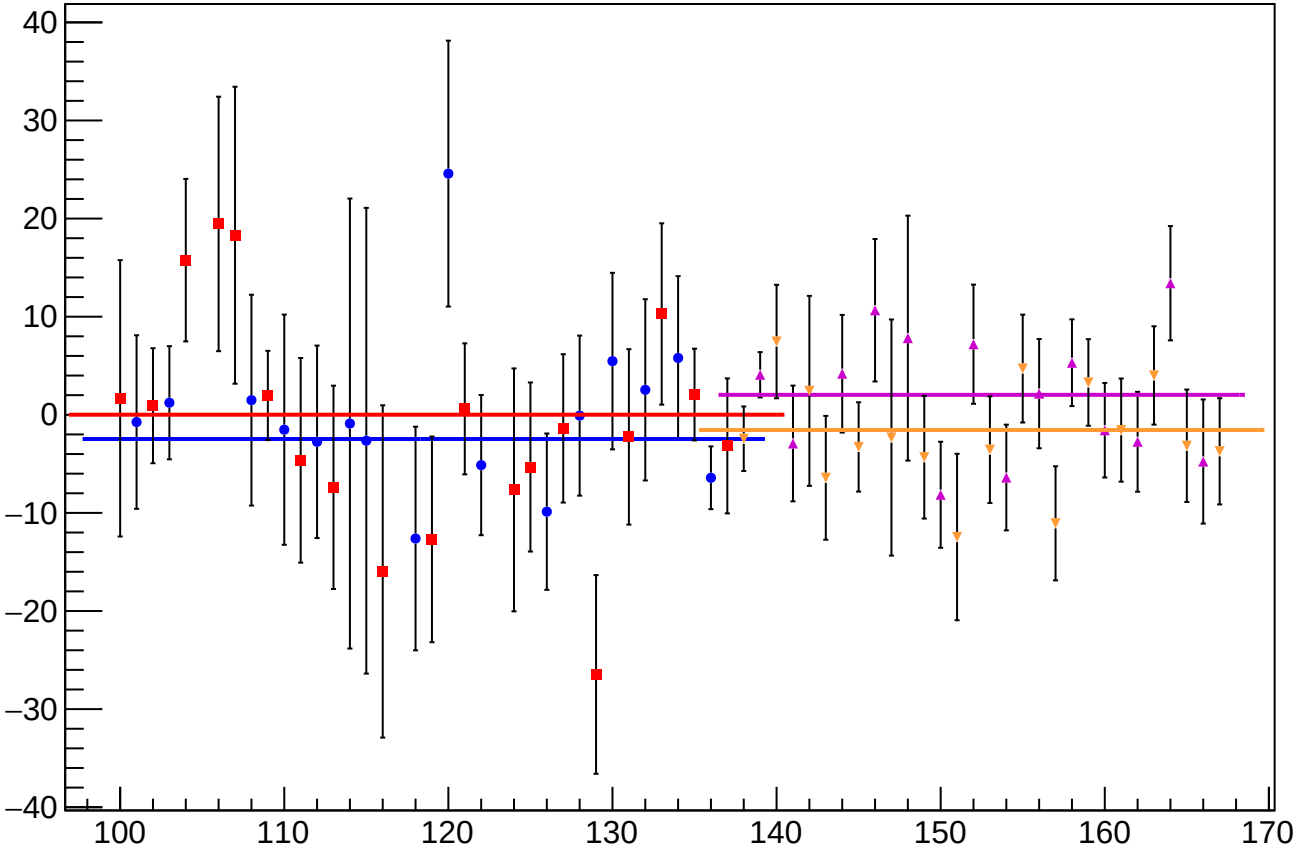
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29619.915+/-4.918 χ^2/NDF:1056705.8/29

Out: 29362.551+/-4.708 χ^2/NDF:966434.5/34

All: 29485.625+/-3.401 χ^2/NDF: 2024569.1/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.548+/-1.360 χ^2/NDF:12.1/15

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 2.034+/-1.308 χ^2/NDF:16.9/13

Left: 0.313+/-0.942 χ^2/NDF: 32.6/29

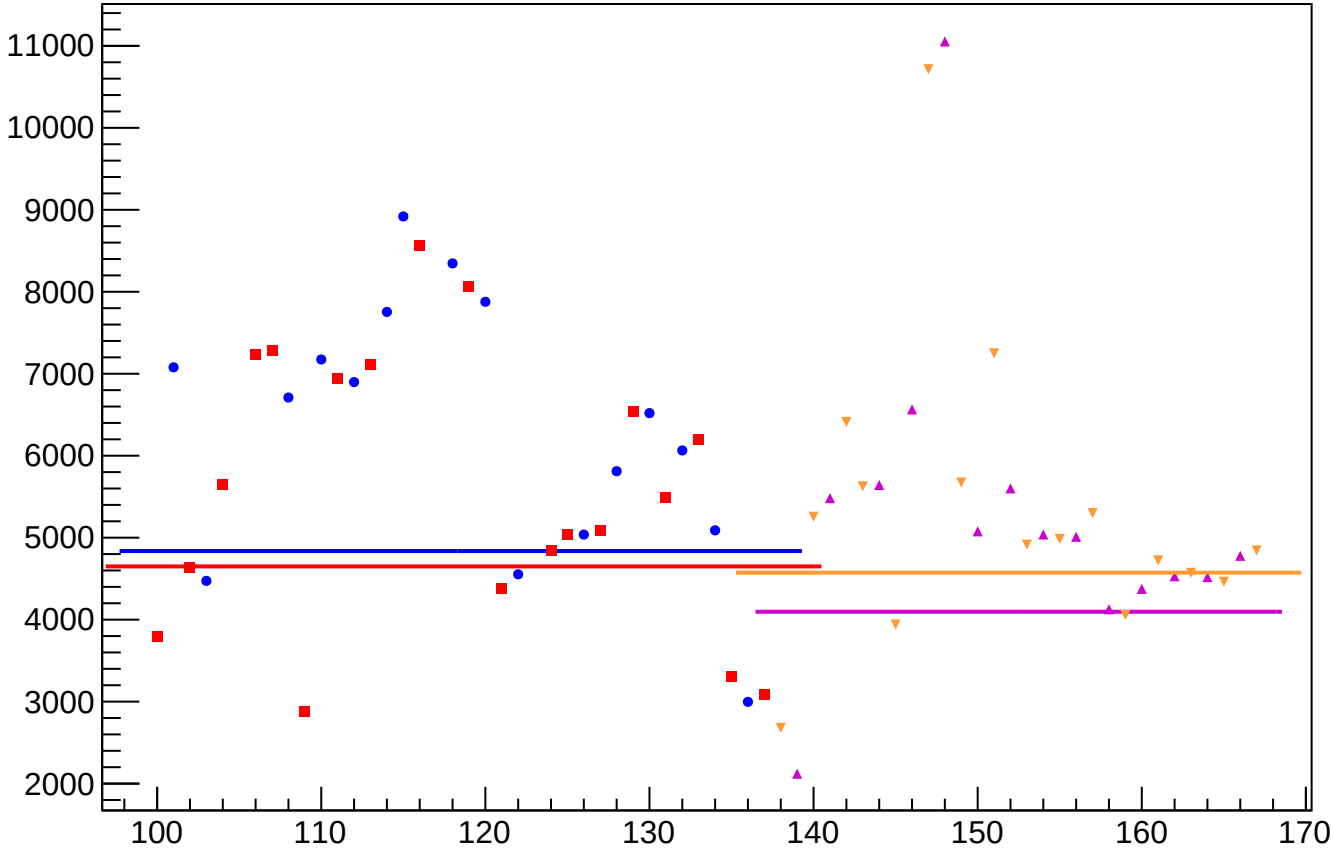
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.603+/-1.080 χ^2/NDF:30.7/29

Out: -0.993+/-1.091 χ^2/NDF:32.5/34

All: -0.187+/-0.768 χ^2/NDF: 64.3/64

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4573.837+/-0.961 χ^2/NDF:1722713.4/15

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4096.505+/-0.925 χ^2/NDF:2919400.2/13

Left: 4325.884+/-0.666 χ^2/NDF: 4770181.9/29

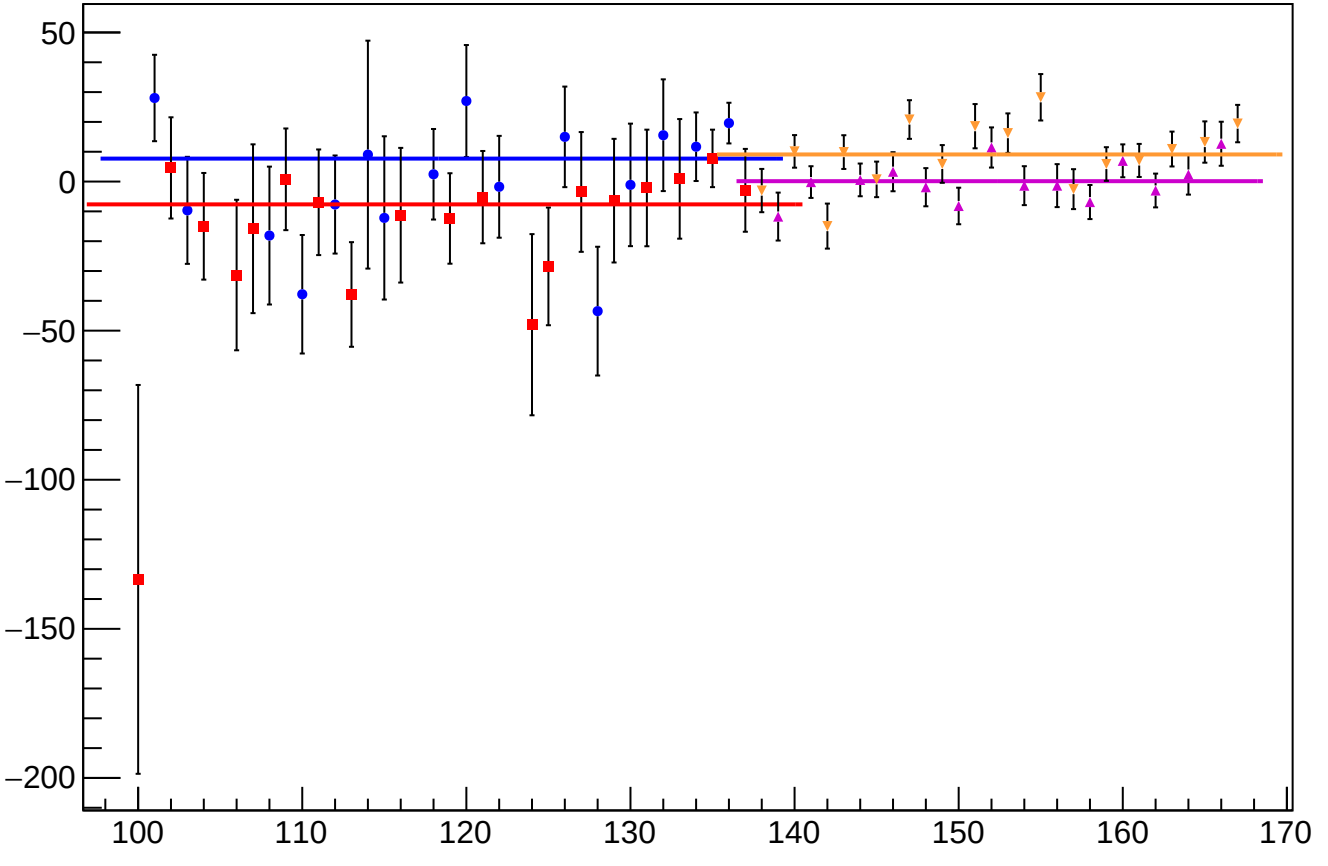
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4331.924+/-0.764 χ^2/NDF:4671122.9/29

Out: 4600.821+/-0.771 χ^2/NDF:3159474.6/34

All: 4465.018+/-0.543 χ^2/NDF: 7891963.8/64

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 9.093+/-1.586 χ^2/NDF:34.0/15

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: 0.128+/-1.671 χ^2/NDF:13.6/13

Left: 4.842+/-1.150 χ^2/NDF: 62.7/29

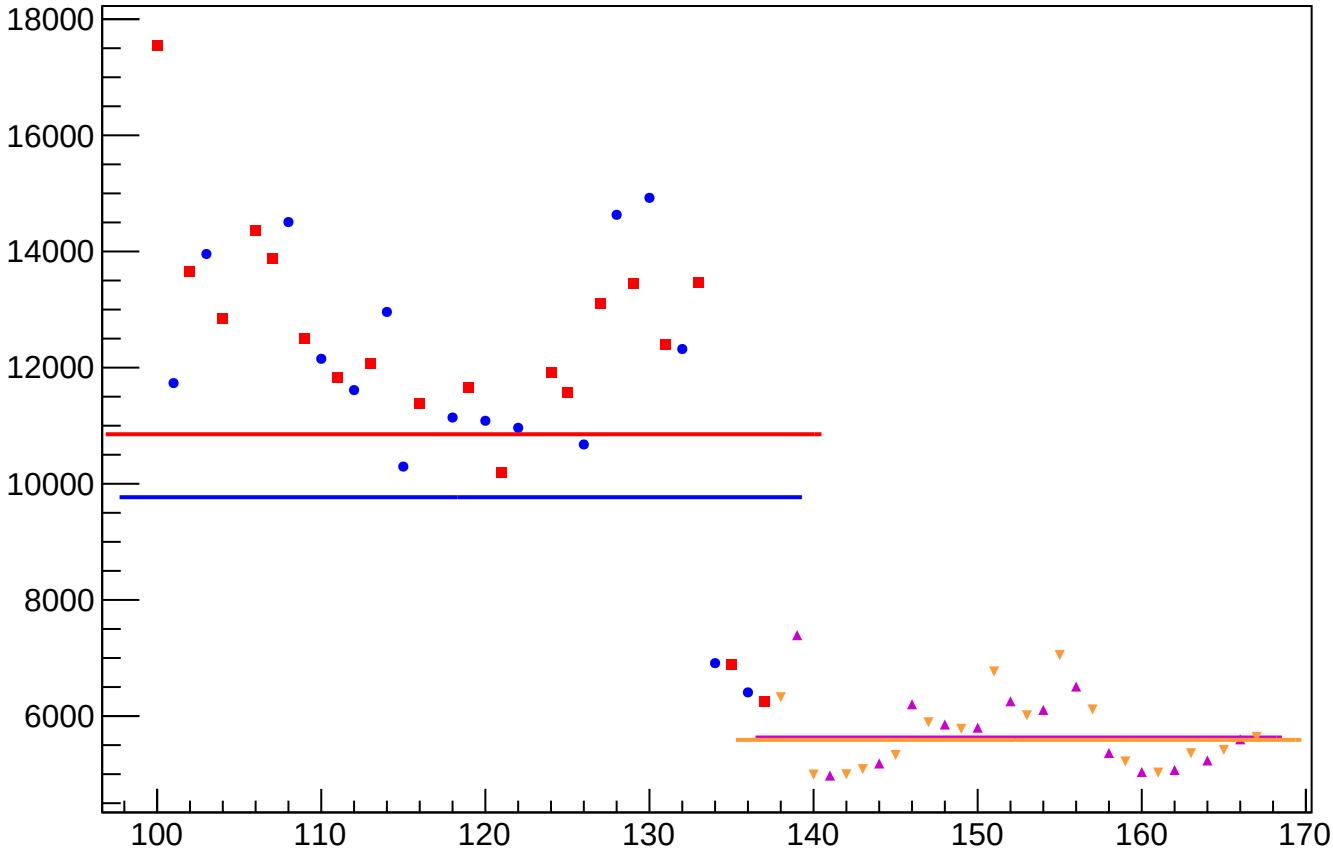
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.343+/-1.531 χ^2/NDF:38.5/29

Out: 6.912+/-1.479 χ^2/NDF:63.1/34

All: 4.223+/-1.064 χ^2/NDF: 108.4/64

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5590.495+/-1.122 χ^2/NDF:257503.2/15

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5631.128+/-1.181 χ^2/NDF:270457.5/13

Left: 5609.759+/-0.813 χ^2/NDF: 528582.9/29

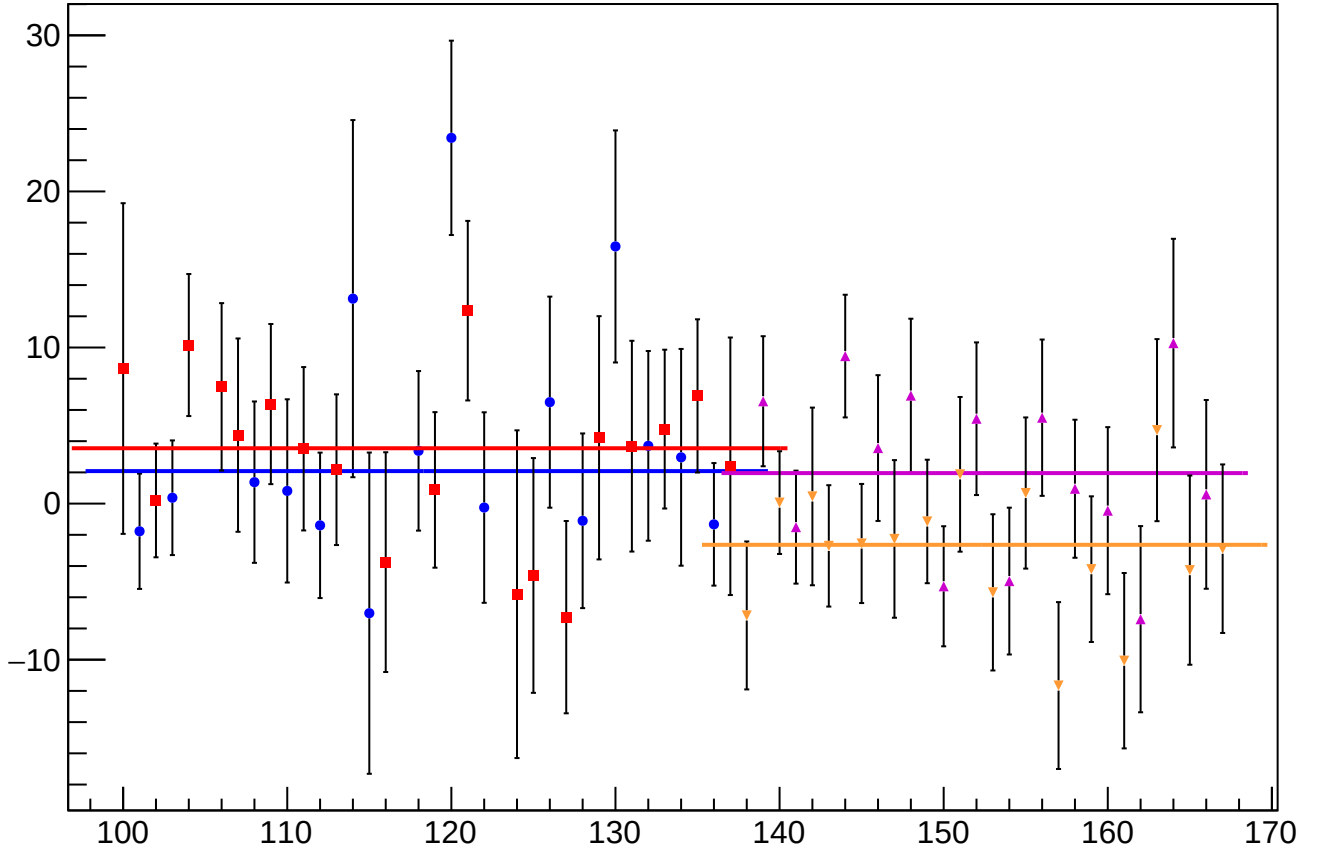
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6295.486+/-1.082 χ^2/NDF:3454075.2/29

Out: 6275.837+/-1.046 χ^2/NDF:3998914.0/34

All: 6285.327+/-0.752 χ^2/NDF: 7453159.6/64

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.640+/-1.168 χ^2/NDF:10.1/15

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 1.954+/-1.246 χ^2/NDF:18.0/13

Left: -0.490+/-0.852 χ^2/NDF: 35.3/29

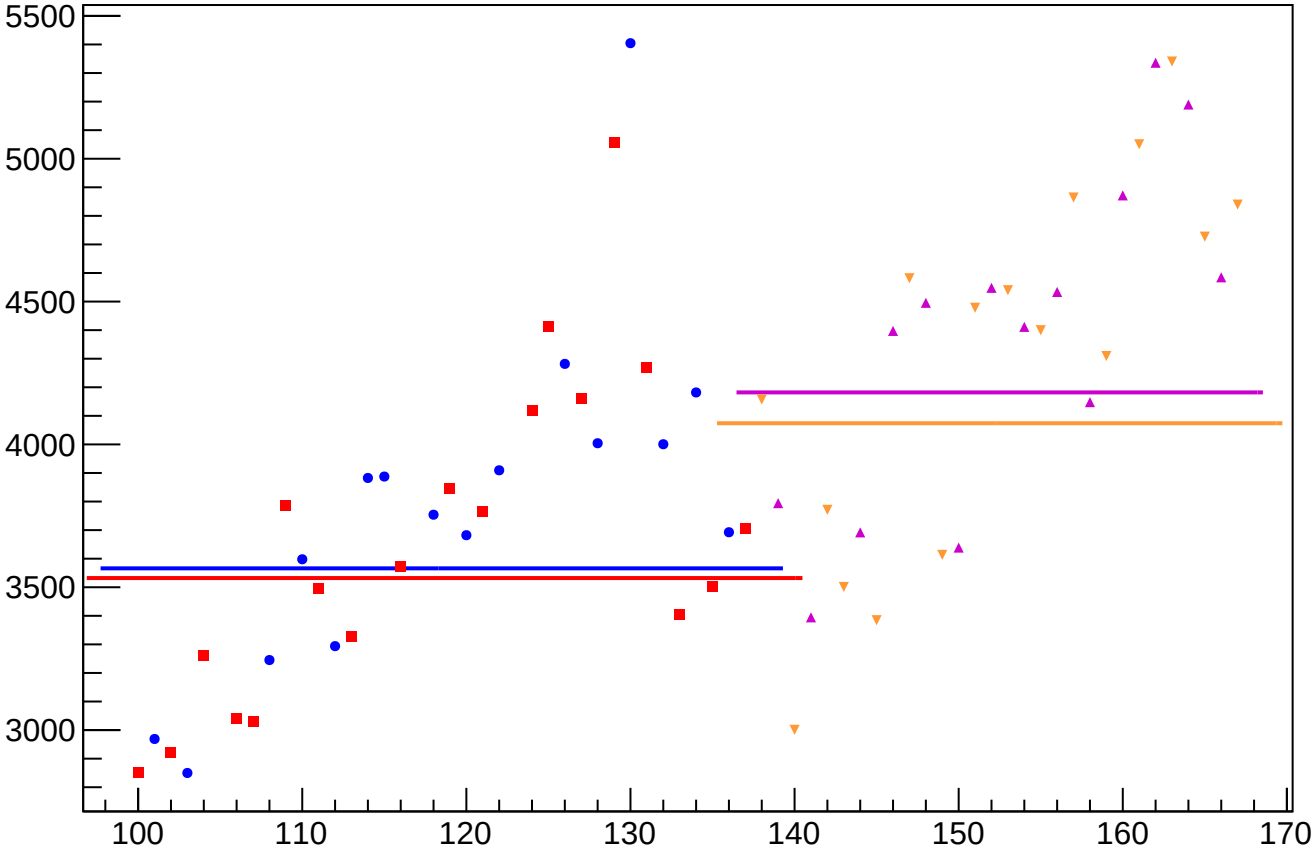
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.013+/-0.914 χ^2/NDF:38.9/29

Out: 0.114+/-0.870 χ^2/NDF:36.0/34

All: 1.017+/-0.630 χ^2/NDF: 77.2/64

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4074.182+/-0.826 χ^2/NDF:681645.4/15

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4182.073+/-0.881 χ^2/NDF:383654.4/13

Left: 4124.664+/-0.603 χ^2/NDF: 1073279.4/29

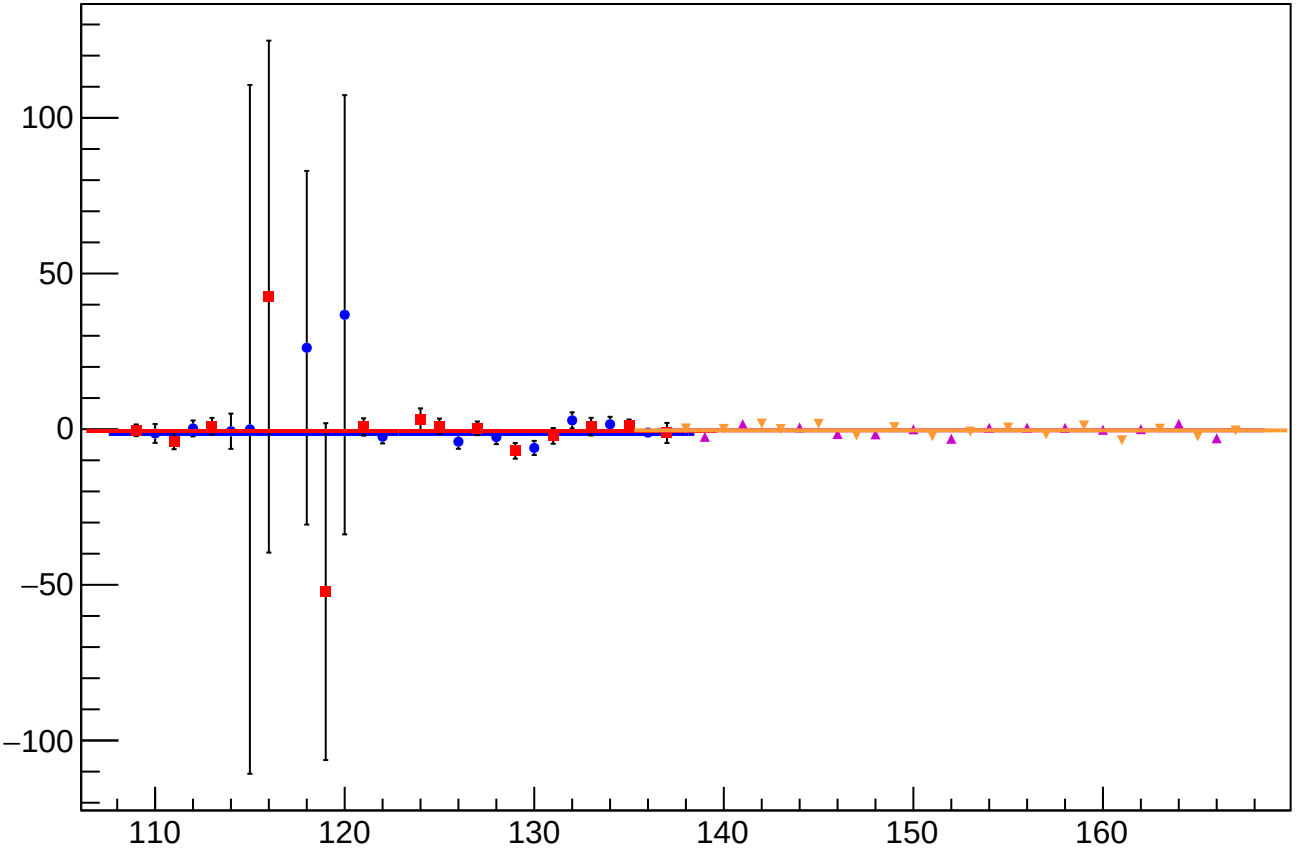
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3897.690+/-0.646 χ^2/NDF:950415.1/29

Out: 3832.863+/-0.615 χ^2/NDF:1151959.8/34

All: 3863.682+/-0.446 χ^2/NDF: 2107651.4/64

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.385+/-0.288 χ^2/NDF:26.1/15

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.346+/-0.300 χ^2/NDF:23.9/13

Left: -0.366+/-0.208 χ^2/NDF: 50.0/29

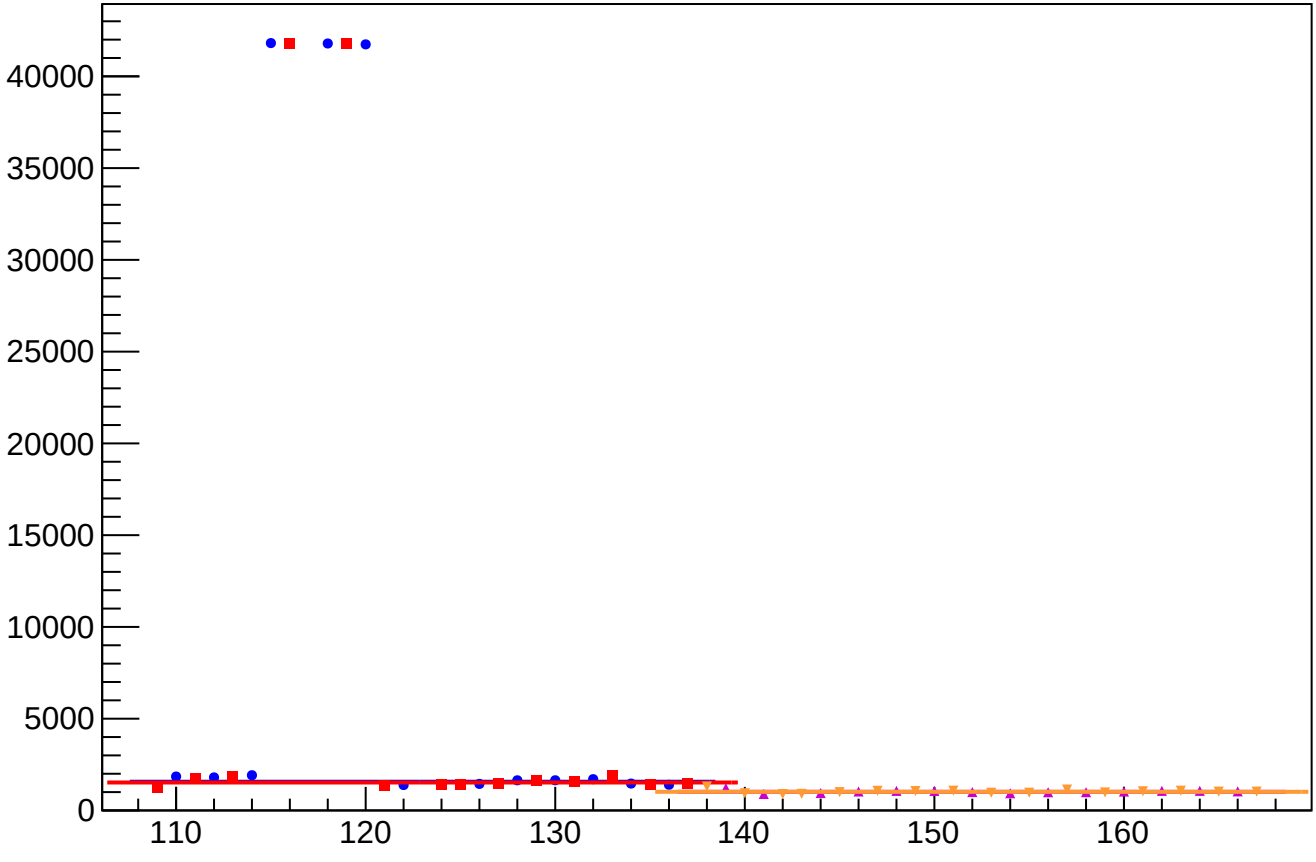
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.516+/-0.278 χ^2/NDF:37.2/26

Out: -0.413+/-0.267 χ^2/NDF:38.8/29

All: -0.463+/-0.192 χ^2/NDF: 76.1/56

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1016.242+/-0.203 χ^2/NDF:177469.1/15

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1014.043+/-0.212 χ^2/NDF:115110.5/13

Left: 1015.189+/-0.147 χ^2/NDF: 292635.6/29

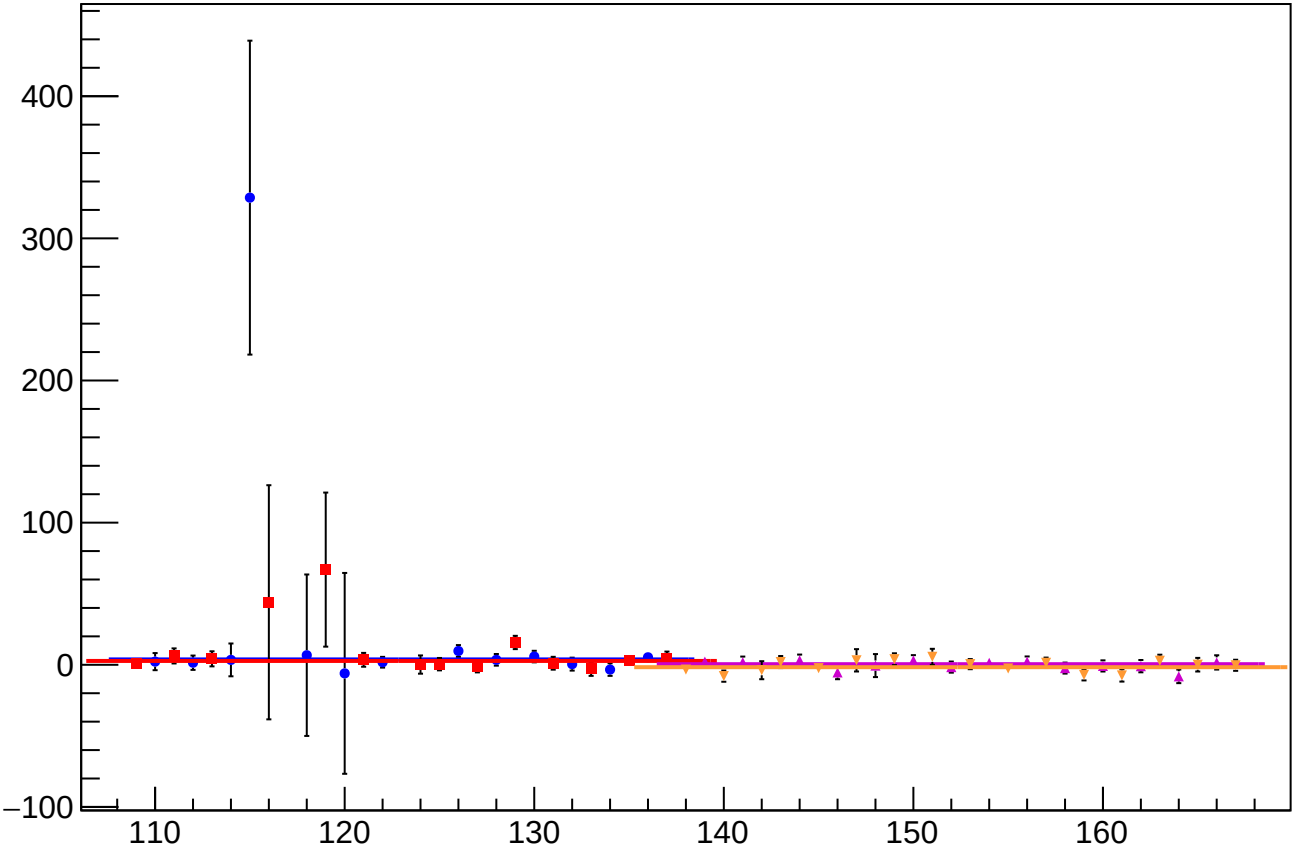
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1092.978+/-0.196 χ^2/NDF:3098278.7/26

Out: 1086.551+/-0.189 χ^2/NDF:2779835.4/29

All: 1089.639+/-0.136 χ^2/NDF: 5878671.2/56

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.683+/-0.963 χ^2/NDF:14.2/15

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.421+/-1.015 χ^2/NDF:7.8/13

Left: -0.687+/-0.699 χ^2/NDF: 24.3/29

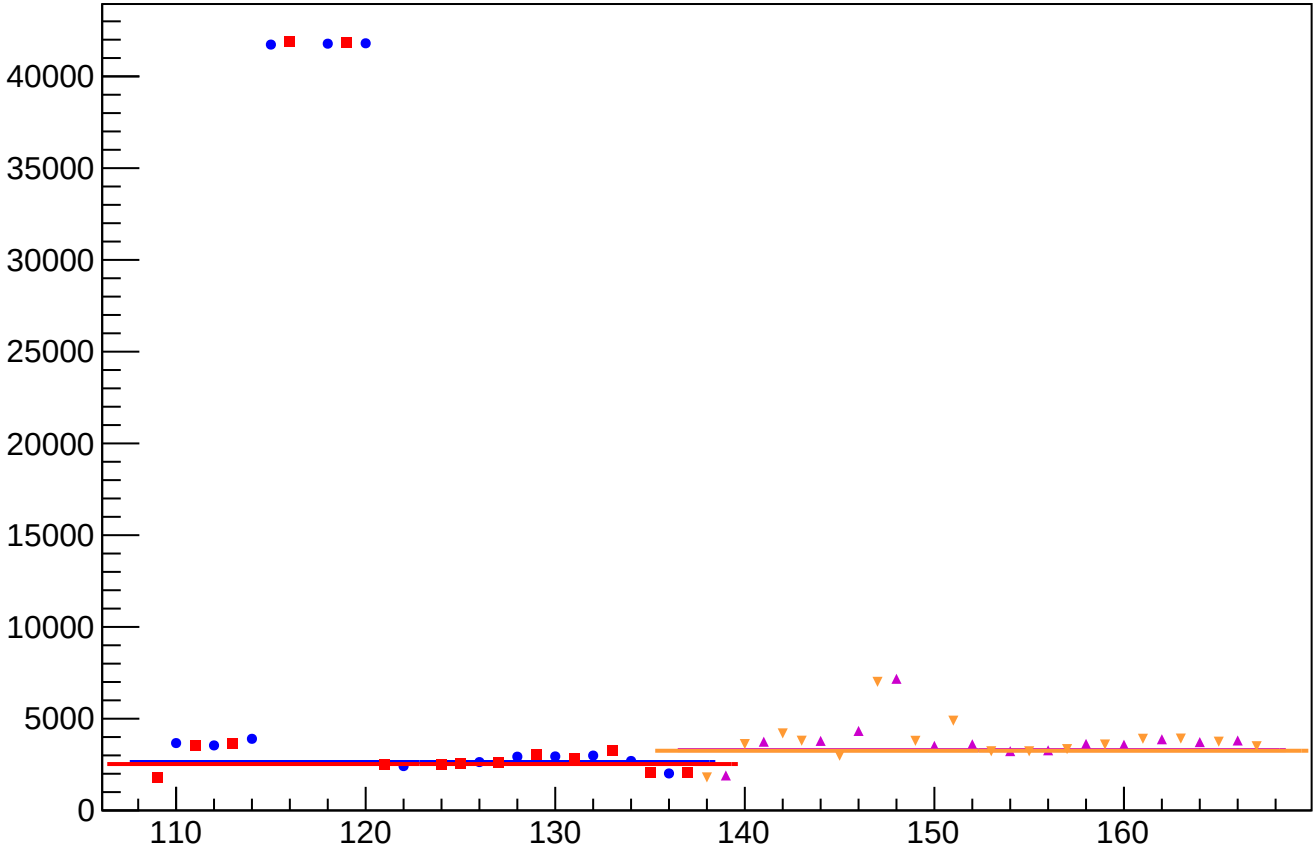
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.756+/-0.787 χ^2/NDF:27.3/26

Out: 0.018+/-0.754 χ^2/NDF:35.8/29

All: 0.849+/-0.544 χ^2/NDF: 65.7/56

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3253.678+/-0.681 χ^2/NDF:1866727.6/15

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3289.441+/-0.718 χ^2/NDF:1590120.3/13

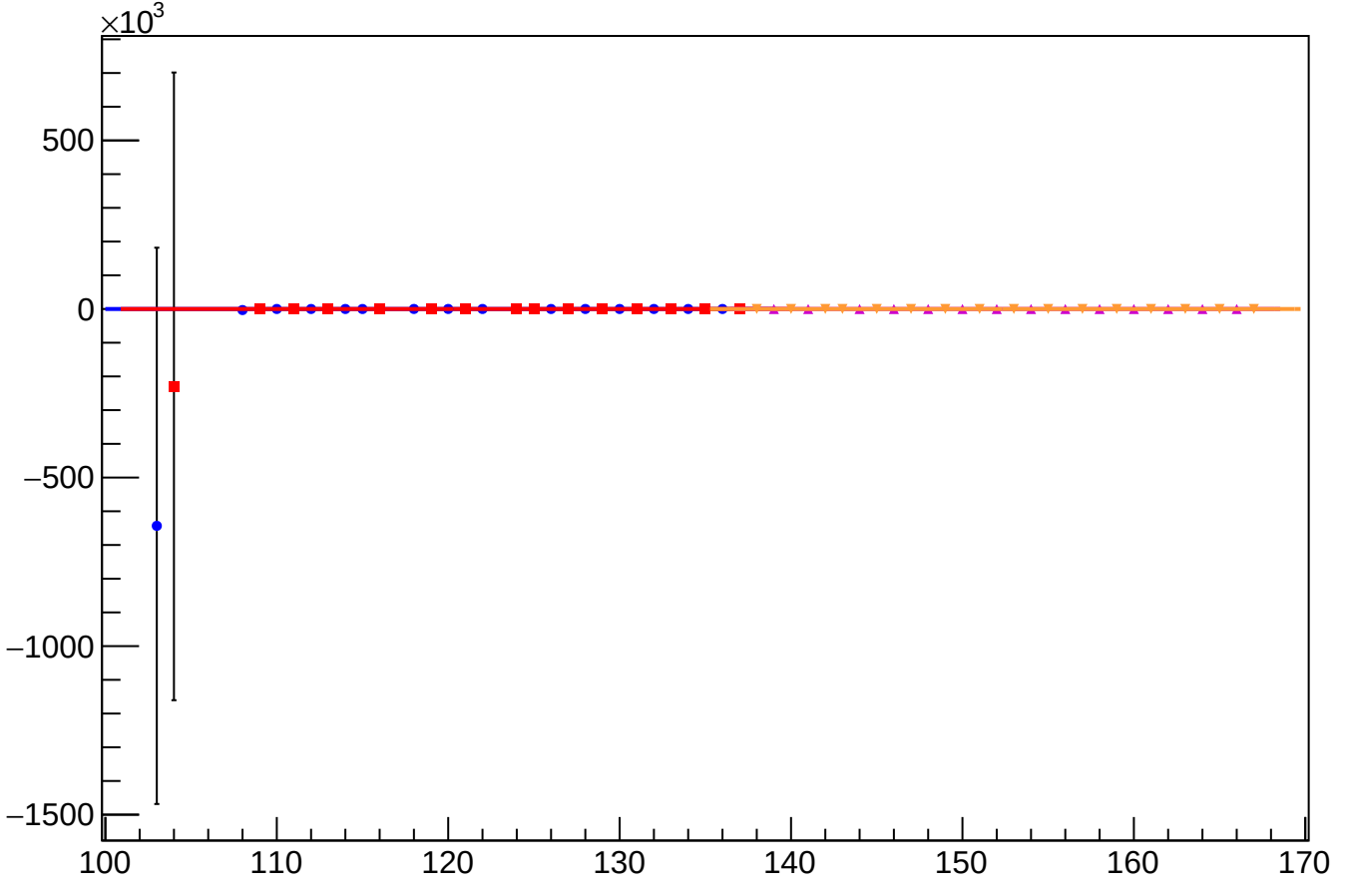
Left: 3270.619+/-0.494 χ^2/NDF: 3458155.0/29

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3030.978+/-0.557 χ^2/NDF:4089475.2/26

Out: 2972.991+/-0.533 χ^2/NDF:4255475.9/29

All: 3000.712+/-0.385 χ^2/NDF: 8350611.4/56



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.302+/-0.448 χ^2/NDF:28.3/15

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: -0.056+/-0.471 χ^2/NDF:16.0/13

Left: -1.235+/-0.325 χ^2/NDF: 56.3/29

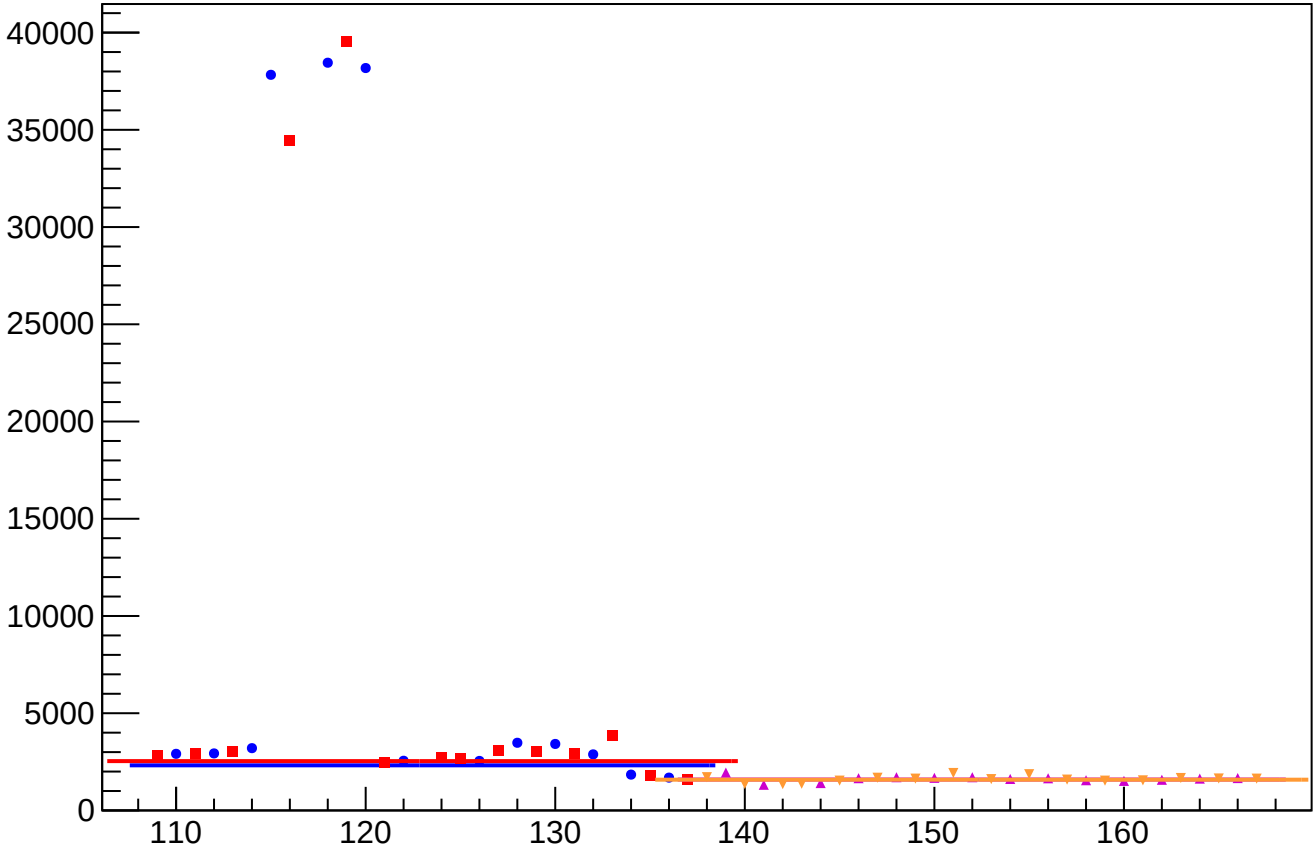
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.229+/-0.435 χ^2/NDF:35.7/28

Out: -1.703+/-0.420 χ^2/NDF:57.6/30

All: -0.991+/-0.302 χ^2/NDF: 99.2/59

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1581.999+/-0.317 χ^2/NDF:227367.9/15

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1589.876+/-0.333 χ^2/NDF:194324.2/13

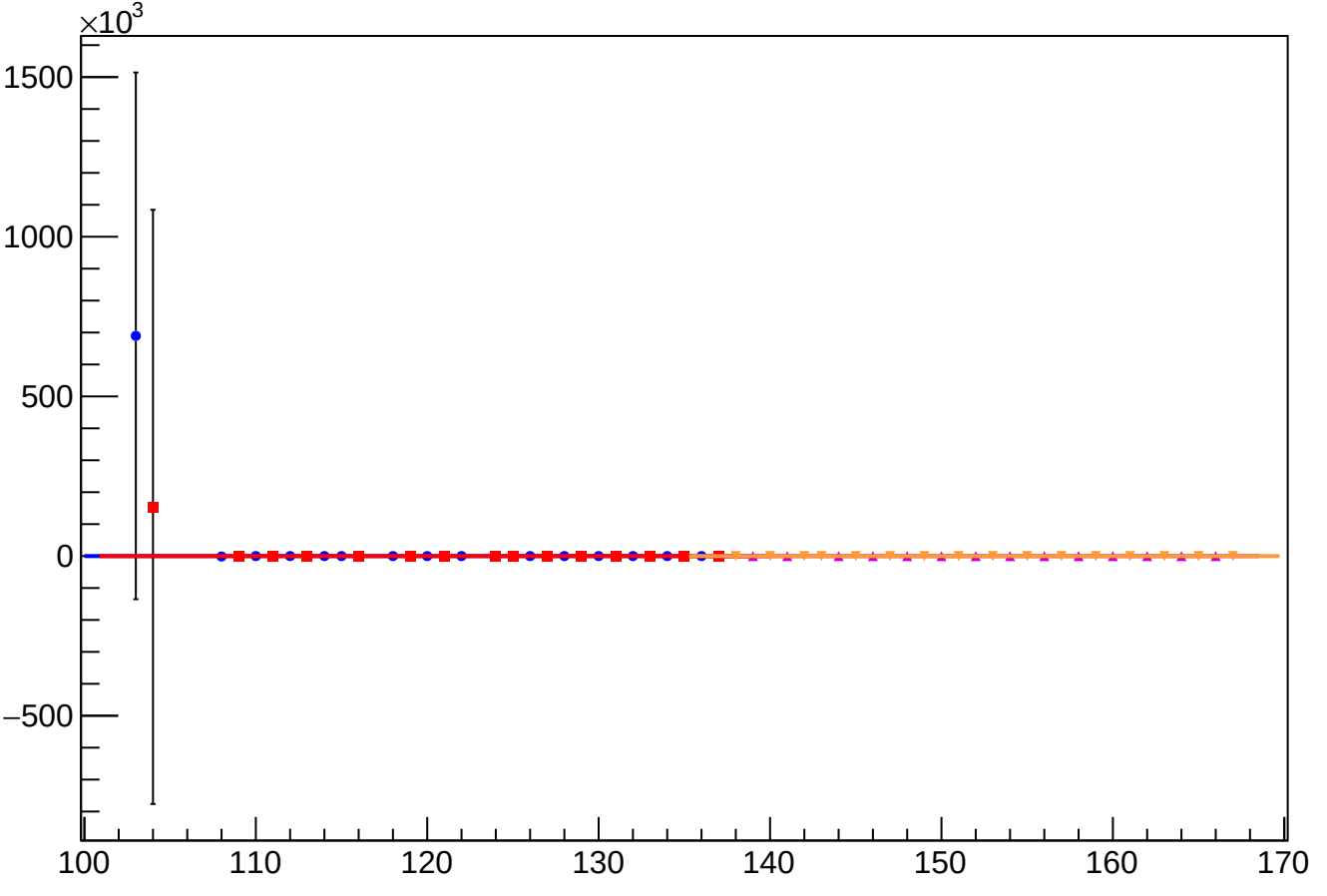
Left: 1585.742+/-0.230 χ^2/NDF: 421985.6/29

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1698.820+/-0.307 χ^2/NDF:3373075.8/26

Out: 1697.122+/-0.297 χ^2/NDF:3360650.9/29

All: 1697.943+/-0.214 χ^2/NDF: 6733742.5/56



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.777+/-0.620 χ^2/NDF:17.8/15

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.235+/-0.617 χ^2/NDF:9.3/13

Left: -0.505+/-0.437 χ^2/NDF: 27.4/29

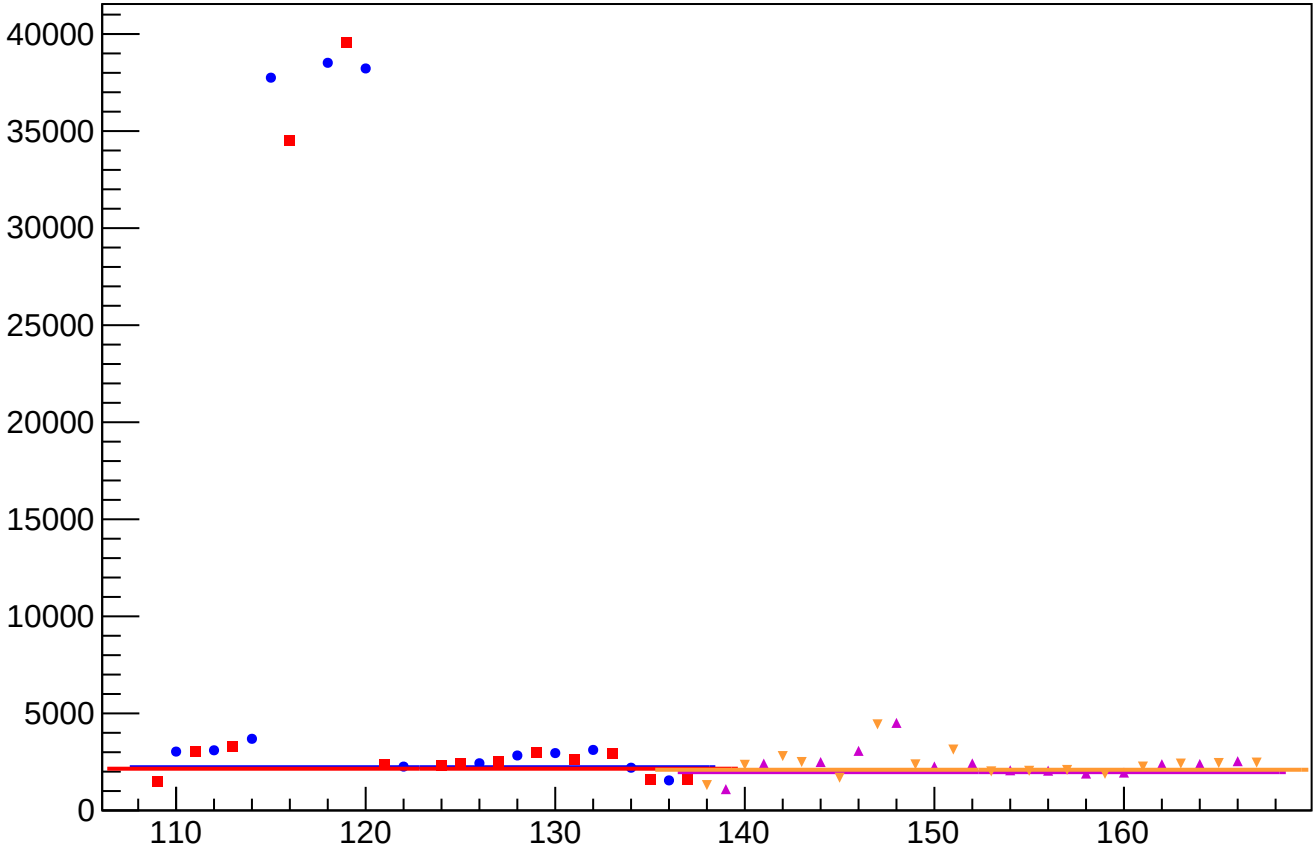
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.246+/-0.536 χ^2/NDF:16.7/28

Out: -0.089+/-0.534 χ^2/NDF:37.9/30

All: 0.078+/-0.378 χ^2/NDF: 54.8/59

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2096.741+/-0.438 χ^2/NDF:1440310.0/15

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1973.590+/-0.437 χ^2/NDF:2155036.3/13

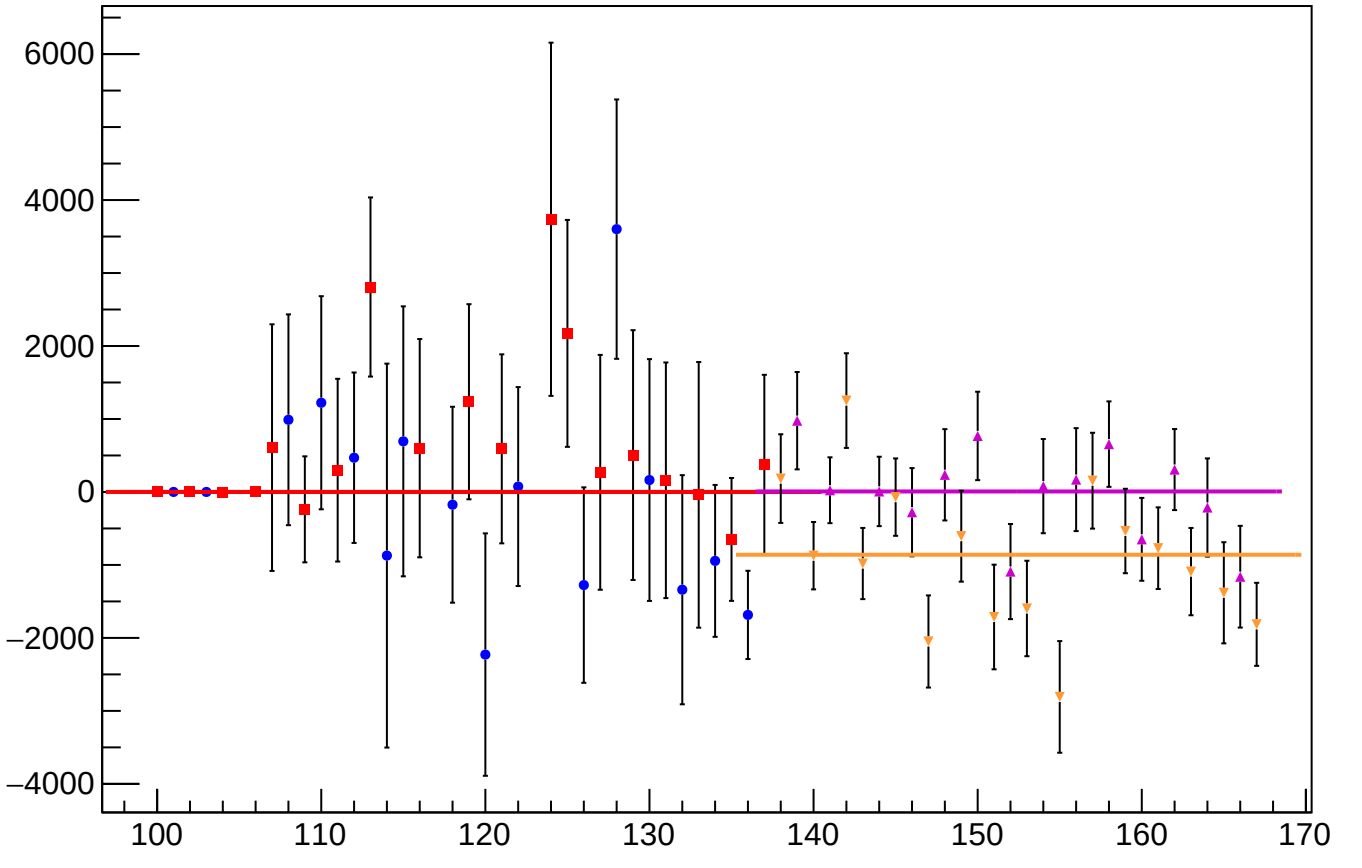
Left: 2034.945+/-0.309 χ^2/NDF: 3634989.5/29

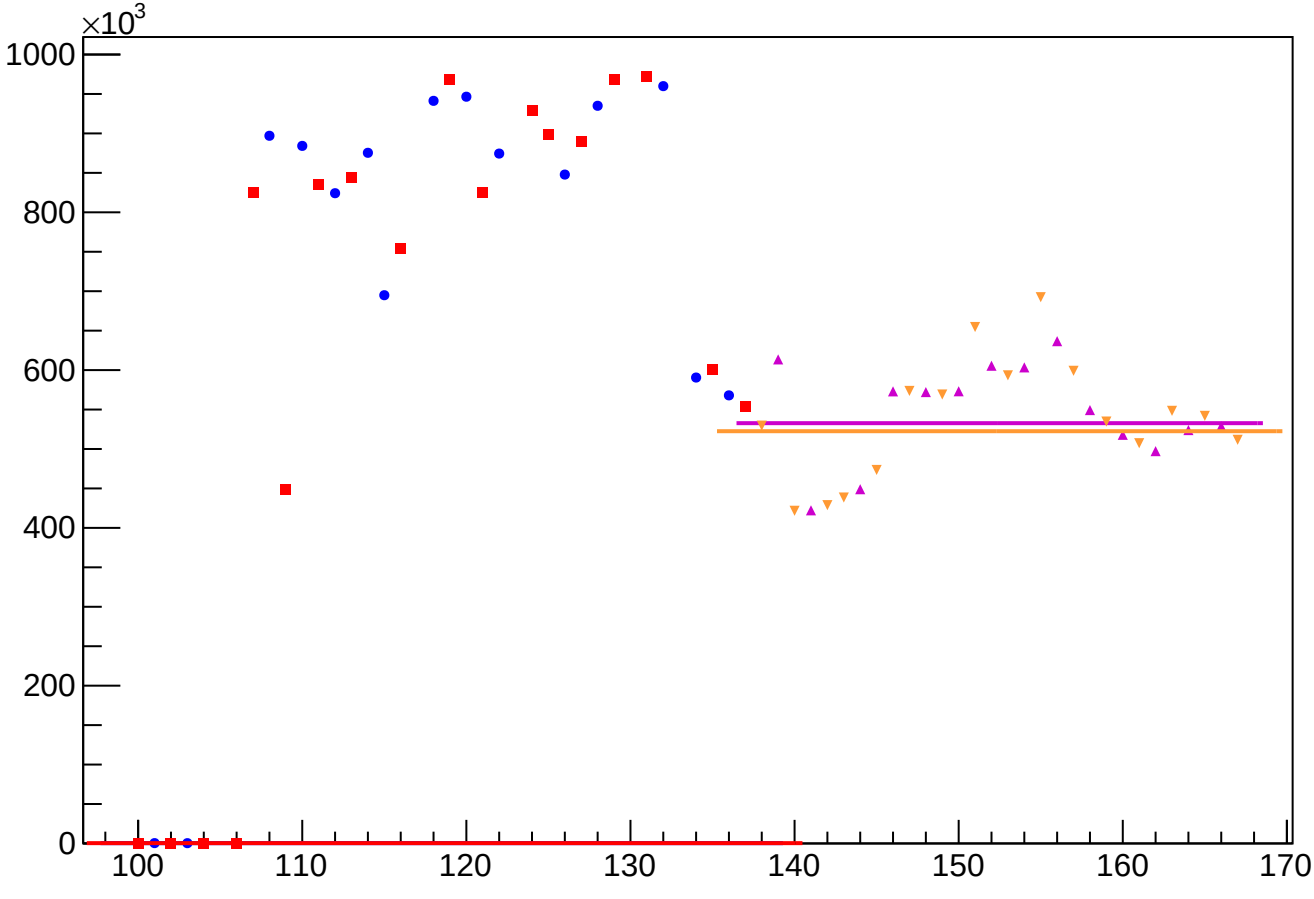
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2036.311+/-0.379 χ^2/NDF:4760695.2/26

Out: 2110.680+/-0.377 χ^2/NDF:3675560.5/29

All: 2073.614+/-0.267 χ^2/NDF: 8455599.7/56


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -860.551+/-148.932 χ²/NDF:35.0/15
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 6.797+/-158.332 χ²/NDF:12.7/13
Left: -453.386+/-108.482 χ²/NDF: 63.6/29
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.255+/-0.356 χ²/NDF:30.5/29
Out: -0.100+/-0.328 χ²/NDF:83.8/34
All: 0.063+/-0.241 χ²/NDF: 114.8/64



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 522545.124+/-105.311 χ^2/NDF:463820.9/15

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 532734.608+/-111.958 χ^2/NDF:340896.1/13

Left: 527328.443+/-76.708 χ^2/NDF: 809111.8/29

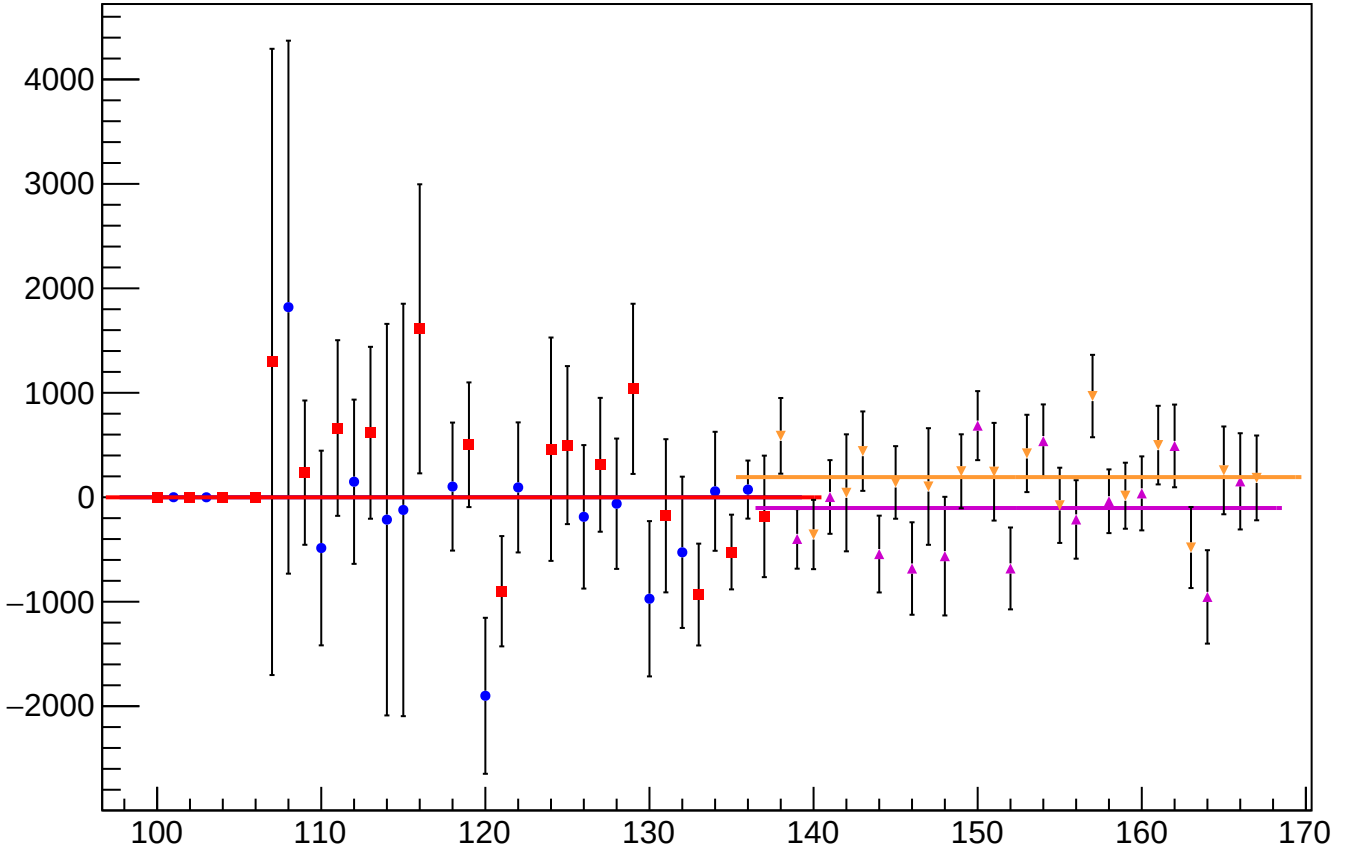
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 401.567+/-0.251 χ^2/NDF:31440729.3/28

Out: 395.769+/-0.232 χ^2/NDF:32695954.4/33

All: 398.432+/-0.170 χ^2/NDF: 64136971.1/62

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 192.942+/-96.343 χ^2/NDF:13.3/15

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -102.964+/-99.190 χ^2/NDF:22.6/13

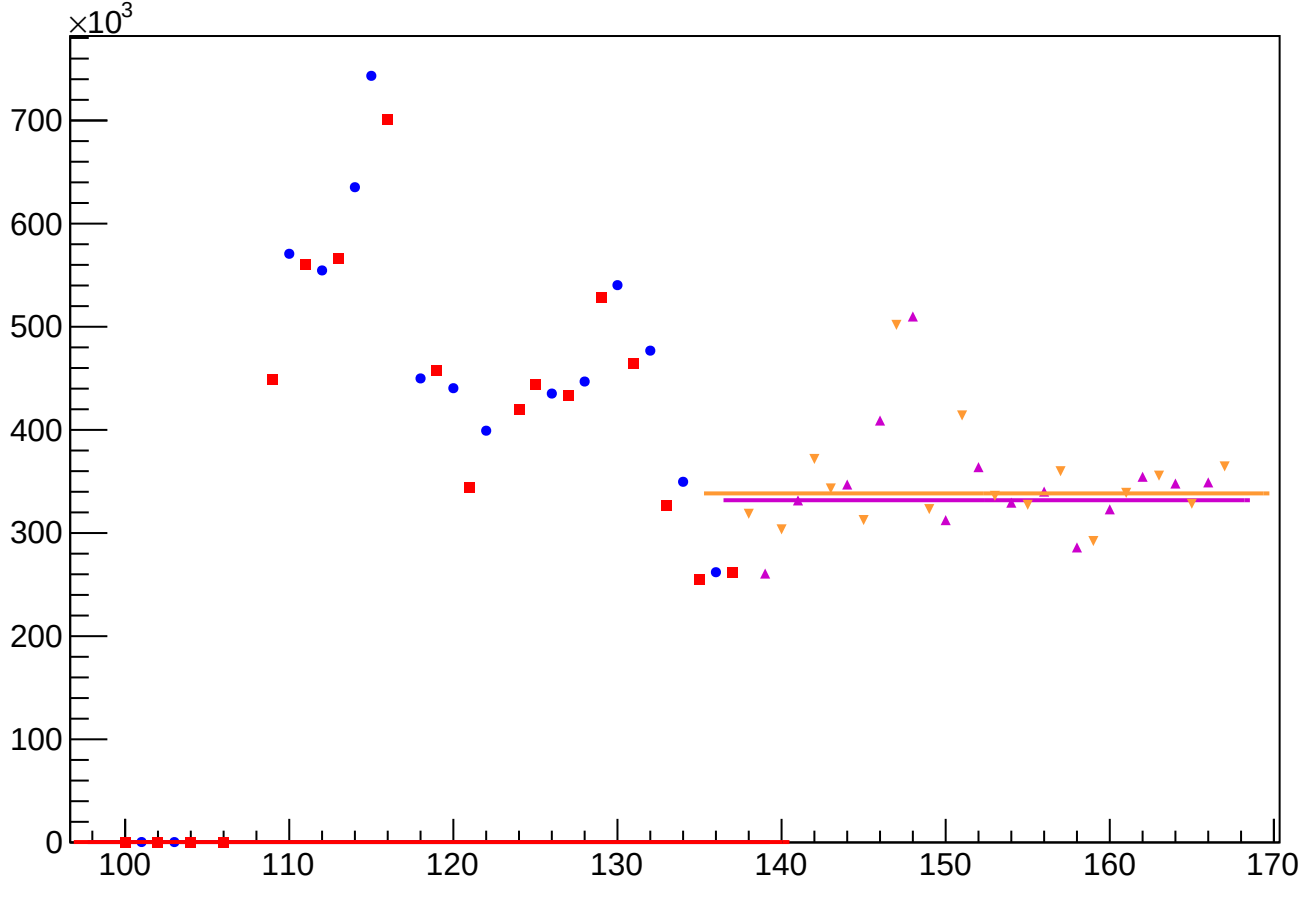
Left: 49.297+/-69.109 χ^2/NDF: 40.6/29

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:34.2/29

Out: -0.597+/-0.324 χ^2/NDF:32.4/34

All: -0.329+/-0.237 χ^2/NDF: 68.0/64



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 338422.382+/-68.125 χ^2/NDF:337860.8/15

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 331807.141+/-70.143 χ^2/NDF:465088.4/13

Left: 335211.319+/-48.870 χ^2/NDF: 807526.2/29

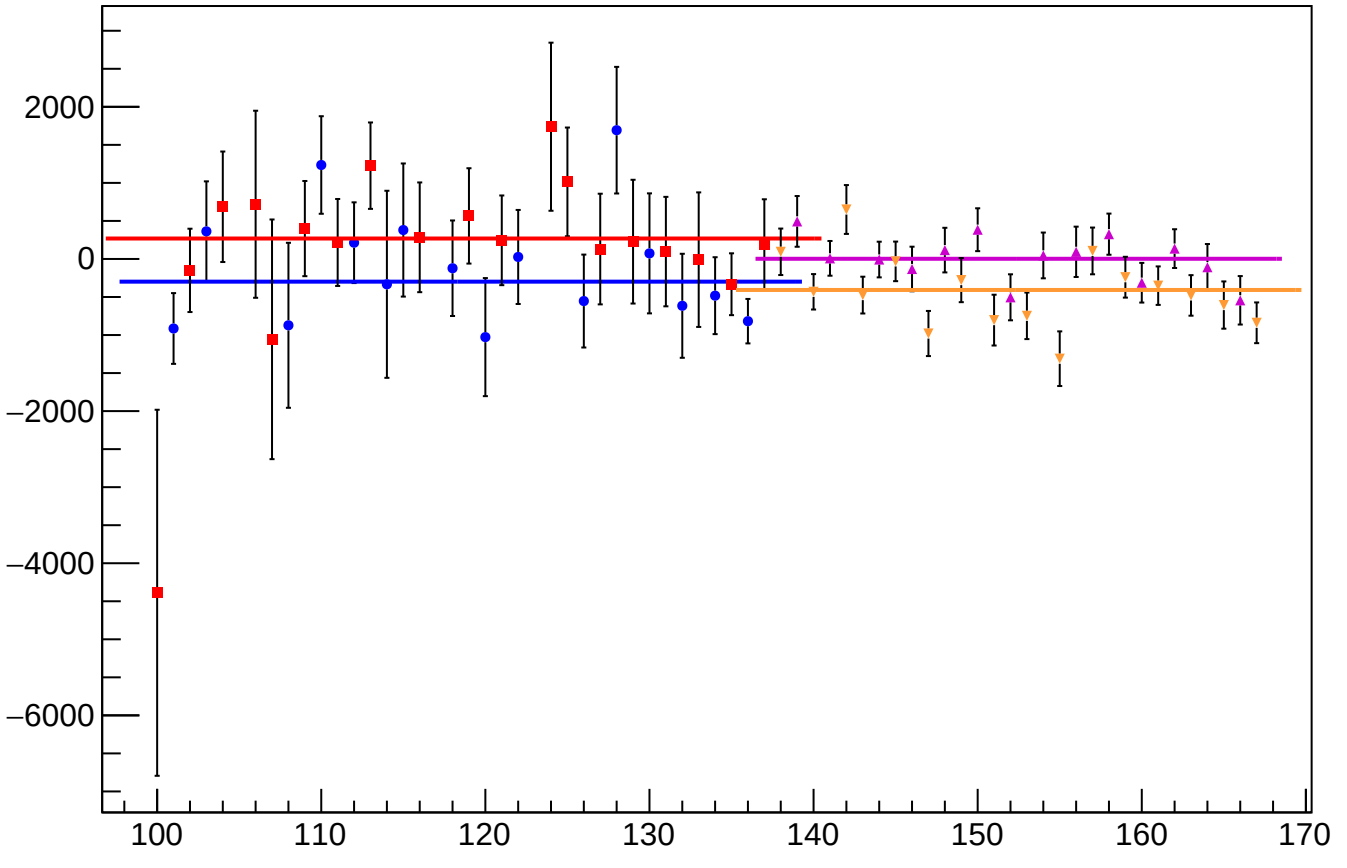
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 394.334+/-0.245 χ^2/NDF:33921274.3/28

Out: 391.803+/-0.229 χ^2/NDF:36033253.1/33

All: 392.980+/-0.167 χ^2/NDF: 69954584.2/62

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -407.531+/-70.737 χ^2/NDF:34.9/15

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 2.413+/-74.999 χ^2/NDF:13.5/13

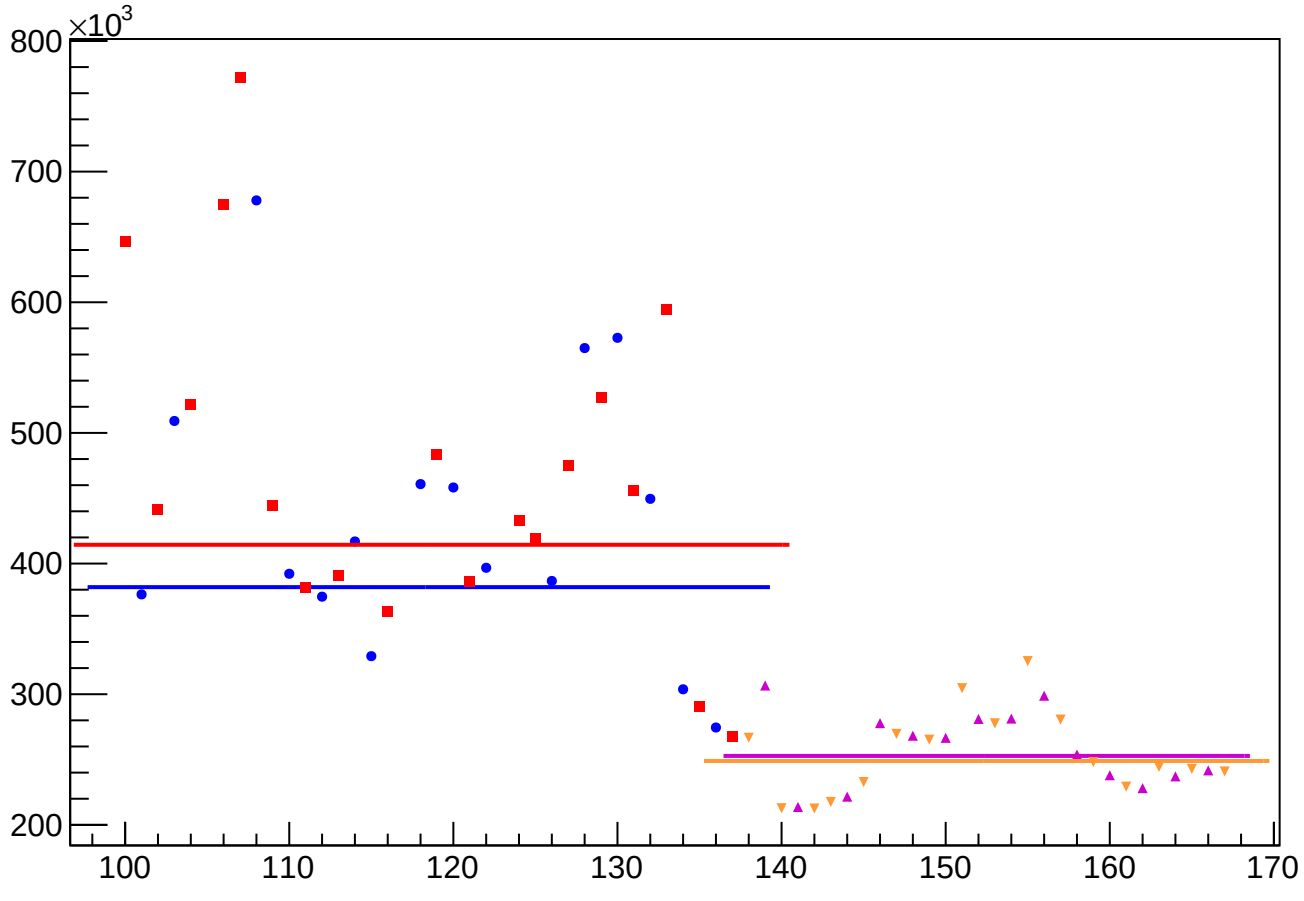
Left: -214.539+/-51.459 χ^2/NDF: 64.2/29

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -59.444+/-66.841 χ^2/NDF:38.0/29

Out: -292.882+/-64.464 χ^2/NDF:64.3/34

All: -180.388+/-46.401 χ^2/NDF: 108.6/64



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 248921.238+/-50.018 χ^2/NDF:338462.9/15

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 252786.457+/-53.033 χ^2/NDF:278431.5/13

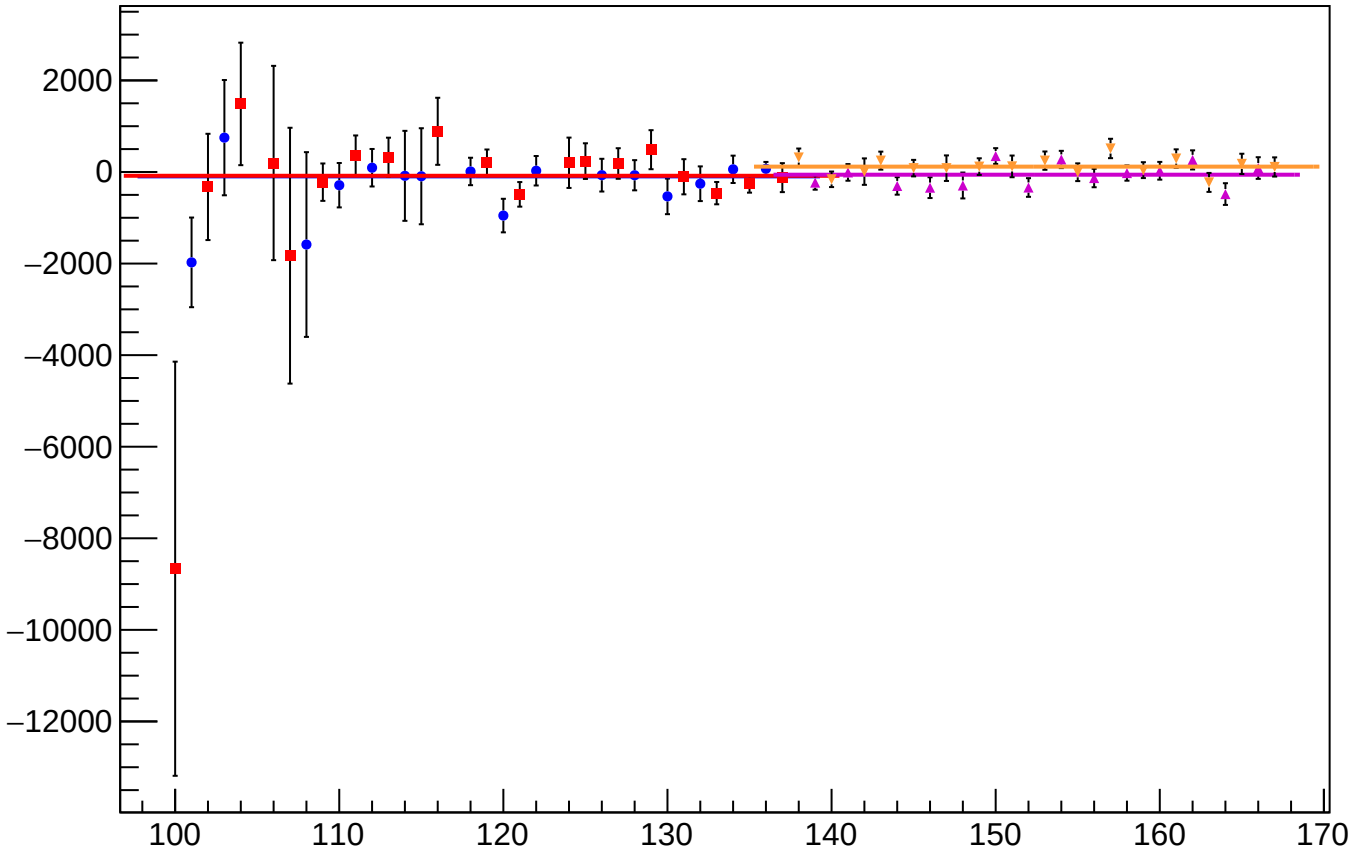
Left: 250740.888+/-36.387 χ^2/NDF: 619705.7/29

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 279353.085+/-47.266 χ^2/NDF:2335058.1/29

Out: 276953.055+/-45.585 χ^2/NDF:2952401.2/34

All: 278109.641+/-32.811 χ^2/NDF: 5288795.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 116.904+/-50.733 χ^2/NDF:12.5/15

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -59.389+/-52.487 χ^2/NDF:22.2/13

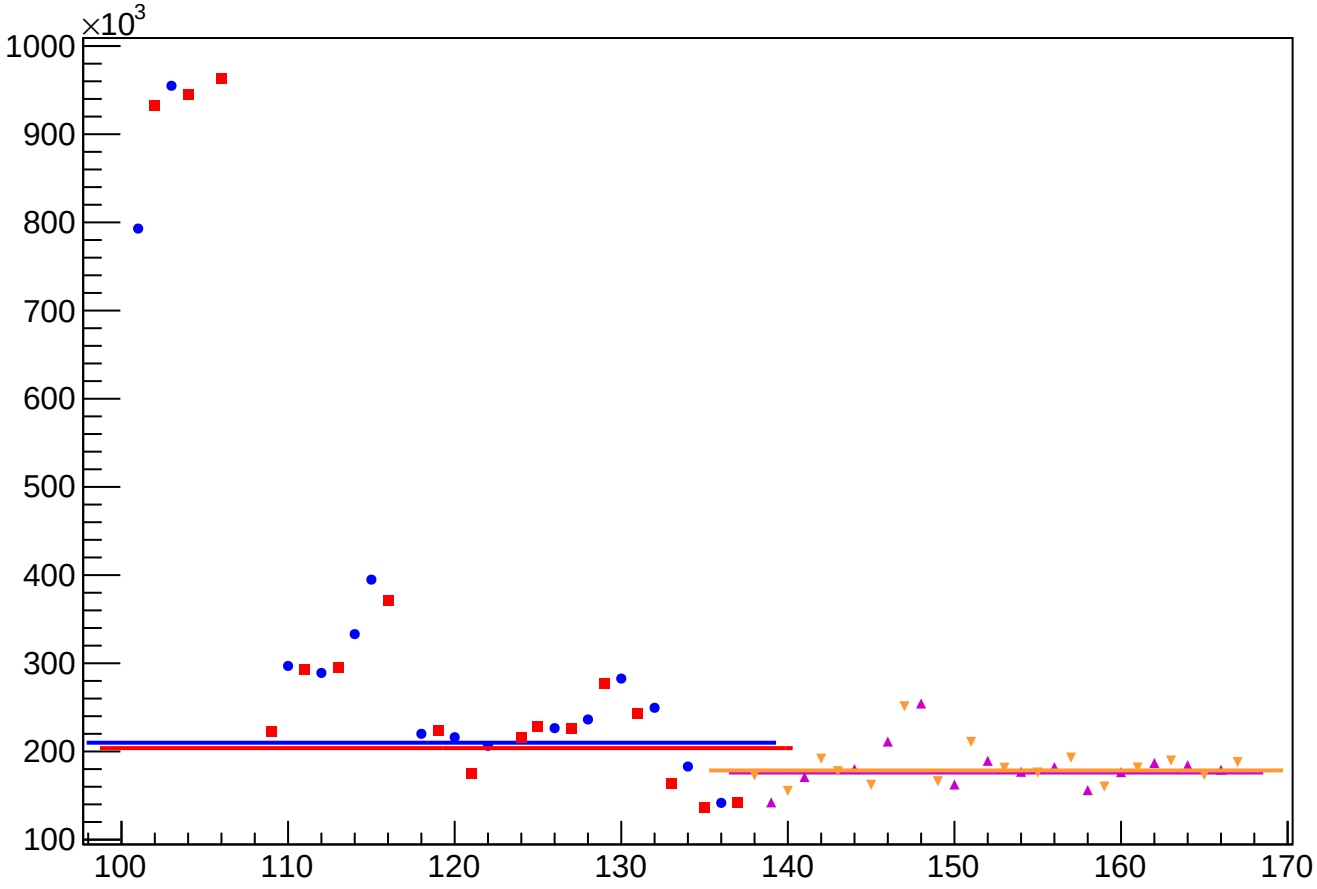
Left: 31.752+/-36.478 χ^2/NDF: 40.5/29

Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -68.914+/-45.113 χ^2/NDF:36.0/29

Out: 66.513+/-43.866 χ^2/NDF:35.5/34

All: 0.698+/-31.450 χ^2/NDF: 76.1/64



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 178499.953+/-35.874 χ^2/NDF:286149.2/15

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 176136.037+/-37.114 χ^2/NDF:357959.5/13

Left: 177358.147+/-25.794 χ^2/NDF: 646206.0/29

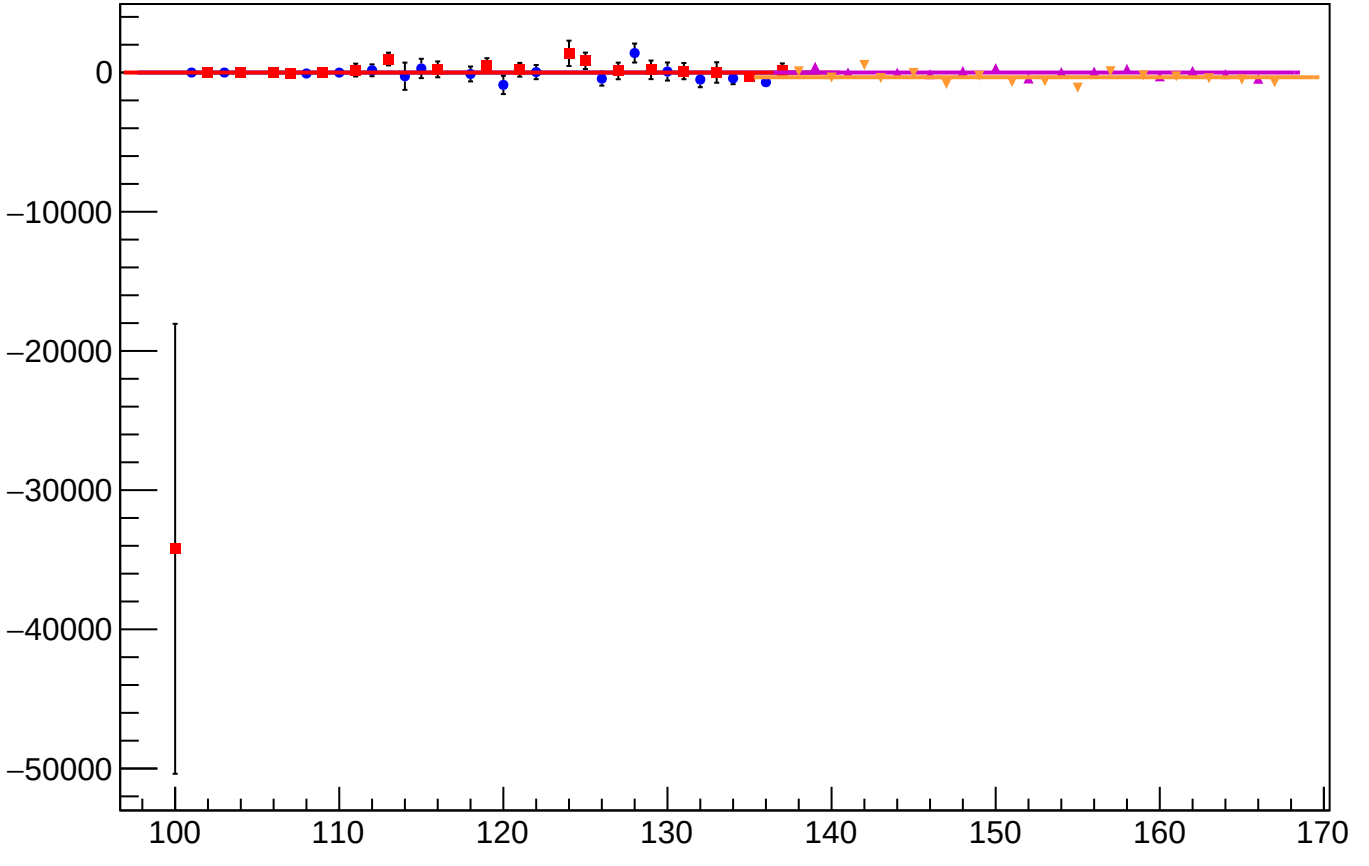
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 184940.980+/-31.914 χ^2/NDF:2533873.7/28

Out: 184860.118+/-31.037 χ^2/NDF:2481632.2/32

All: 184899.423+/-22.250 χ^2/NDF: 5015509.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -337.280+/-59.265 χ^2/NDF:35.1/15

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 2.312+/-62.940 χ^2/NDF:13.4/13

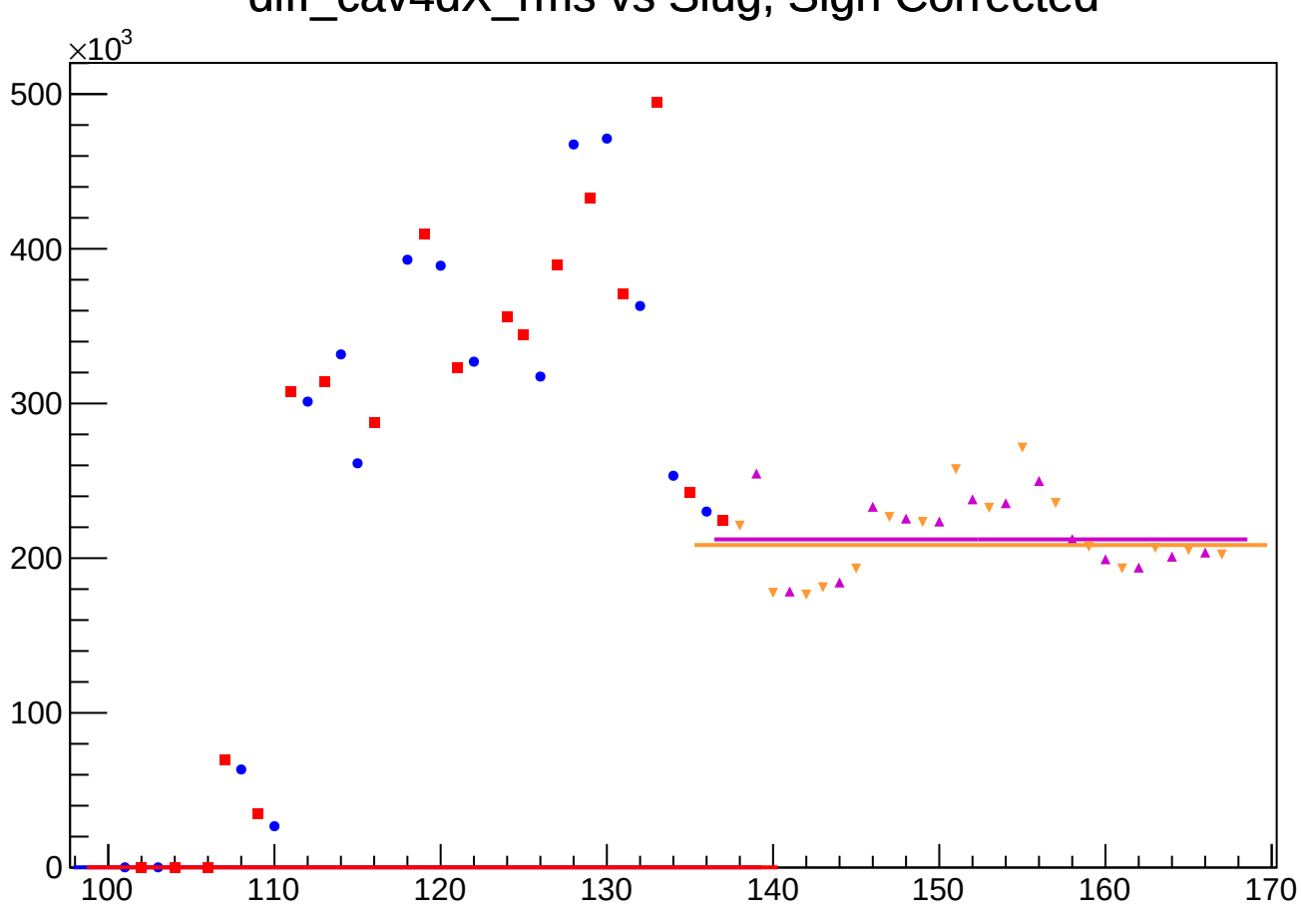
Left: -177.687+/-43.148 χ^2/NDF: 63.9/29

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

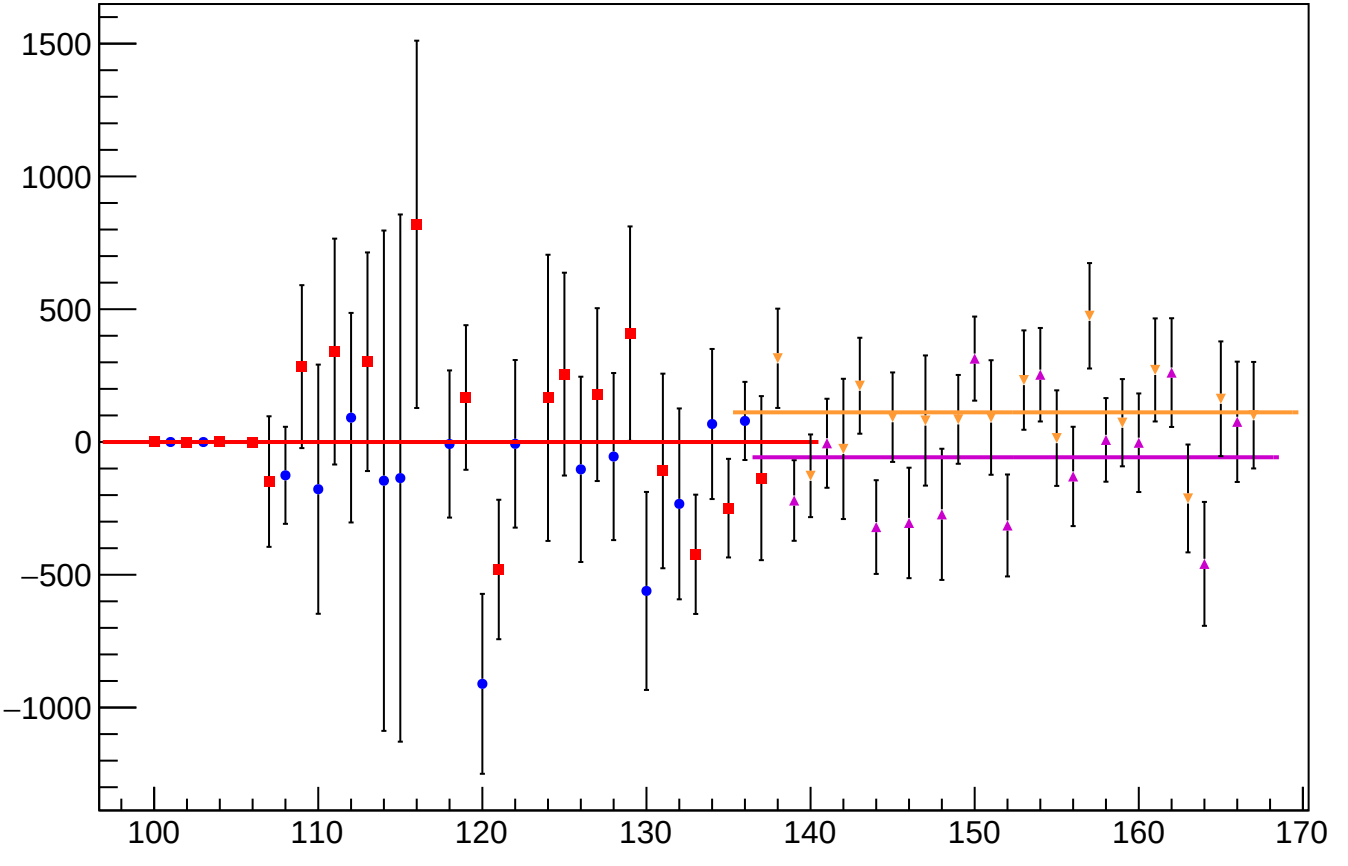
In: -0.035+/-0.172 χ^2/NDF:31.5/29

Out: 0.353+/-0.160 χ^2/NDF:84.0/34

All: 0.173+/-0.117 χ^2/NDF: 118.2/64


diff_cav4dX_rms vs Slug, Sign Corrected
×10^3
500
400
300
200
100
0
100
110
120
130
140
150
160
170
Right In: 149.092+/-0.122 χ²/NDF: 11301940.9/15
Left Out: 208494.547+/-41.907 χ²/NDF:349361.2/15
Right Out: 149.379+/-0.113 χ²/NDF: 11288711.4/17
Left In: 212143.267+/-44.505 χ²/NDF:277481.4/13
Left: 210209.283+/-30.510 χ²/NDF: 630405.2/29
Right: 149.246+/-0.083 χ²/NDF: 22590655.3/33
In: 150.680+/-0.122 χ²/NDF:34268631.8/29
Out: 150.900+/-0.113 χ²/NDF:36354989.0/33
All: 150.798+/-0.083 χ²/NDF: 70623622.6/63

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 111.624+/-47.514 χ^2/NDF:11.6/15

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -57.532+/-49.412 χ^2/NDF:22.2/13

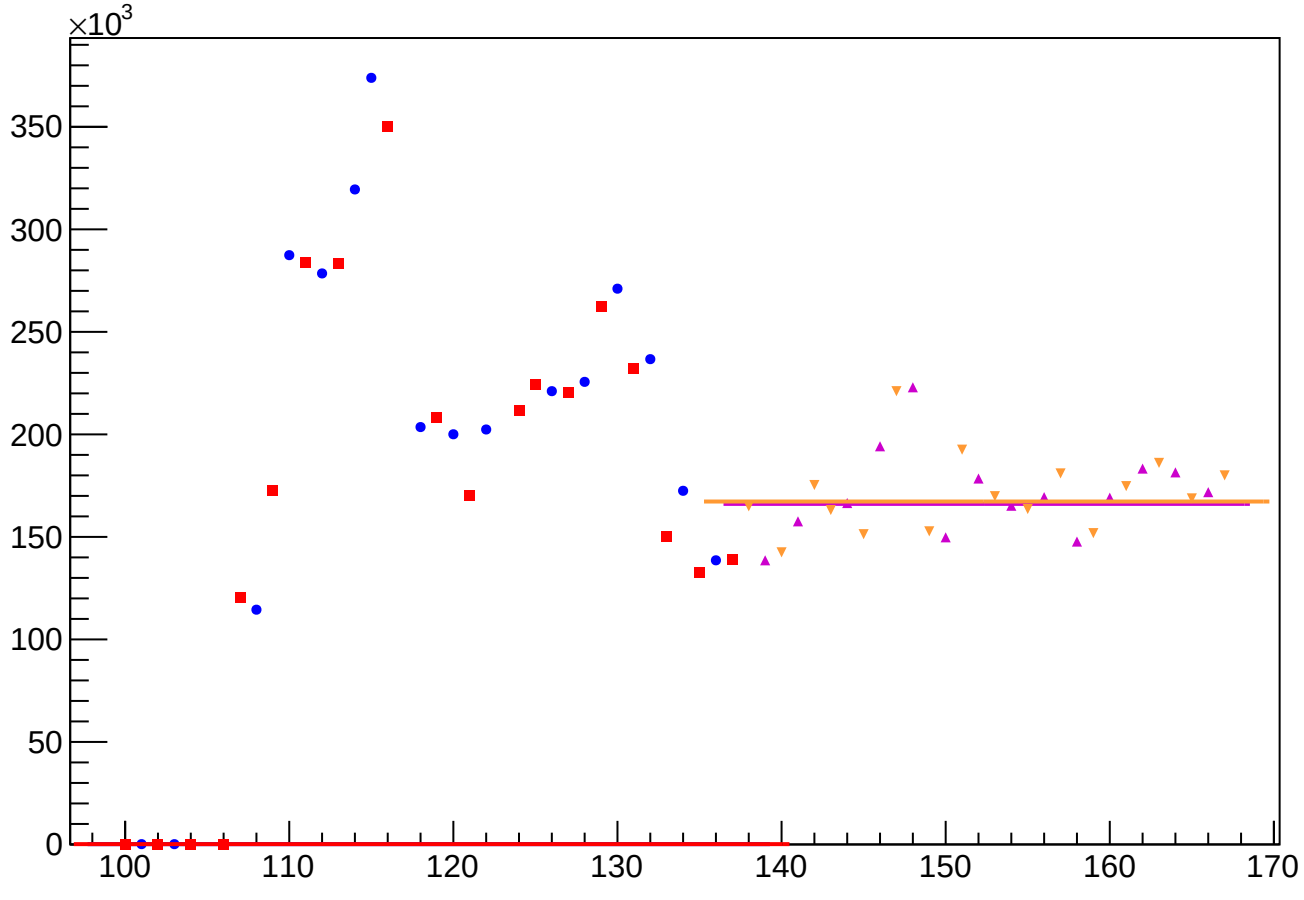
Left: 30.358+/-34.249 χ^2/NDF: 39.9/29

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:34.8/29

Out: -0.125+/-0.166 χ^2/NDF:32.4/34

All: -0.098+/-0.121 χ^2/NDF: 67.2/64



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 167257.954+/-33.598 χ^2/NDF:267594.2/15

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 166105.203+/-34.940 χ^2/NDF:295475.3/13

Left: 166704.145+/-24.218 χ^2/NDF: 563635.0/29

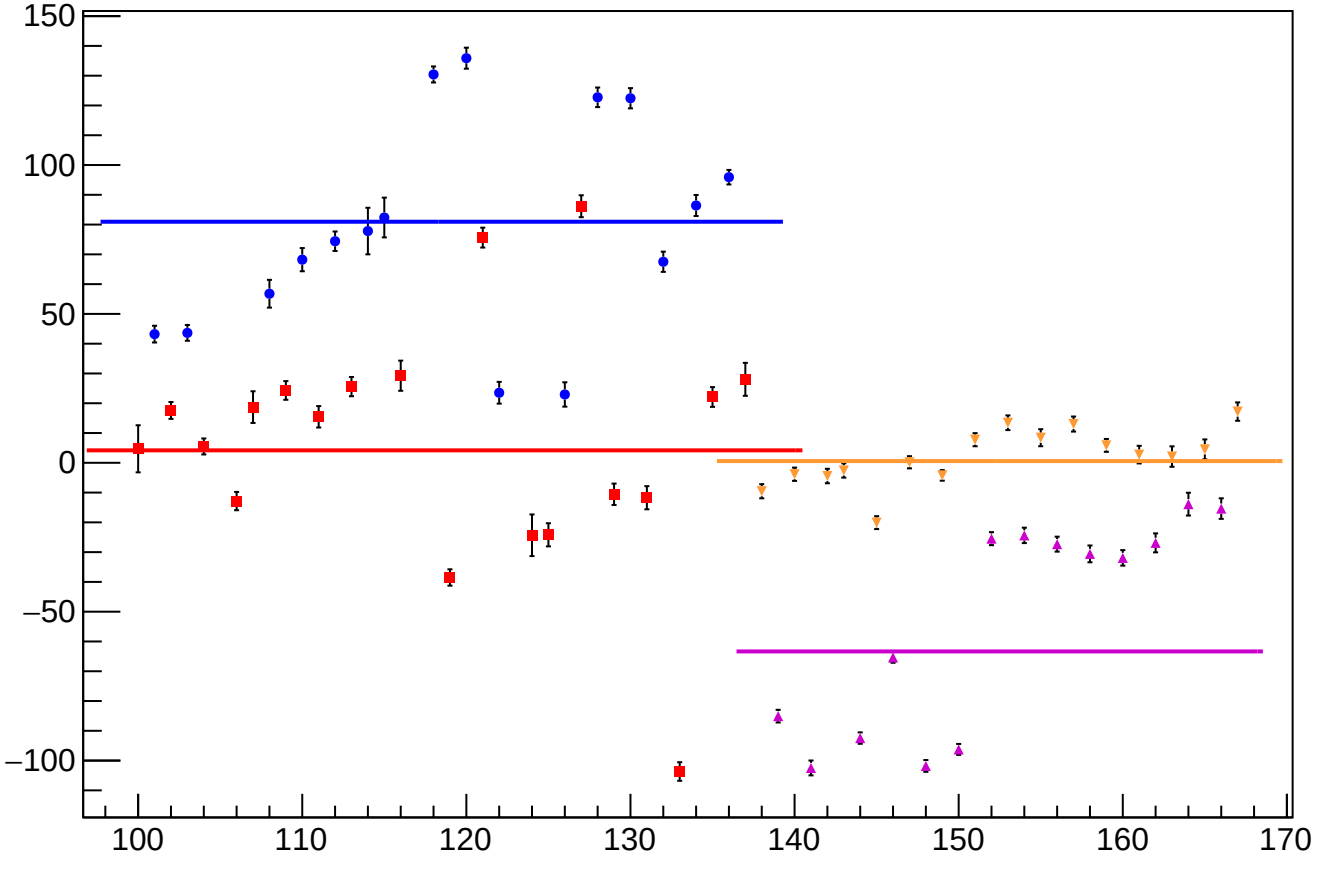
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.595+/-0.125 χ^2/NDF:34759179.4/29

Out: 158.209+/-0.118 χ^2/NDF:36335034.6/34

All: 156.984+/-0.086 χ^2/NDF: 71094445.1/64

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 0.581+/-0.604 χ^2/NDF:232.8/15

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -63.348+/-0.626 χ^2/NDF:2780.1/13

Left: -30.241+/-0.434 χ^2/NDF: 8419.3/29

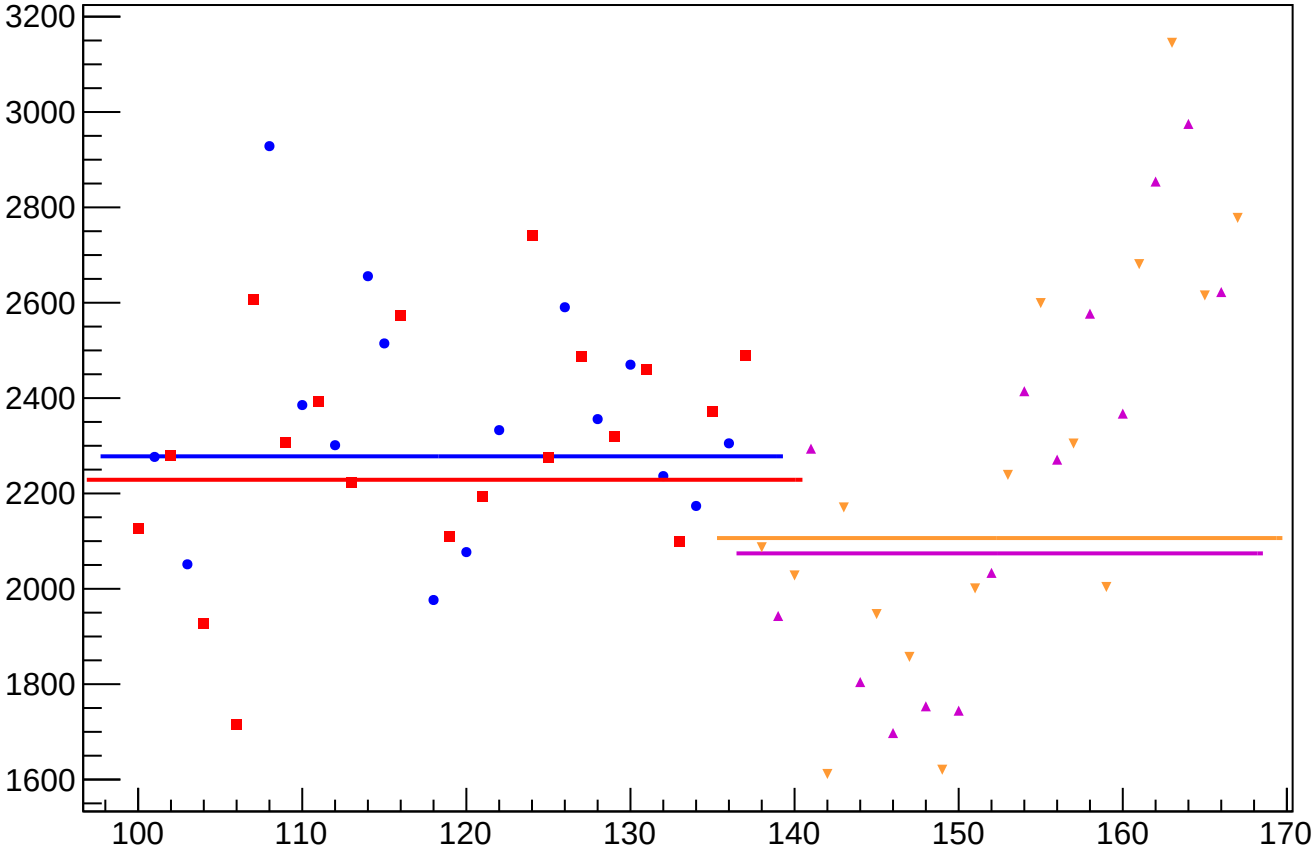
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.749+/-0.504 χ^2/NDF:23245.5/29

Out: 1.847+/-0.486 χ^2/NDF:2965.0/34

All: -5.186+/-0.350 χ^2/NDF: 26644.7/64

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2106.445+/-0.427 χ^2/NDF:762131.6/15

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2074.321+/-0.442 χ^2/NDF:685015.9/13

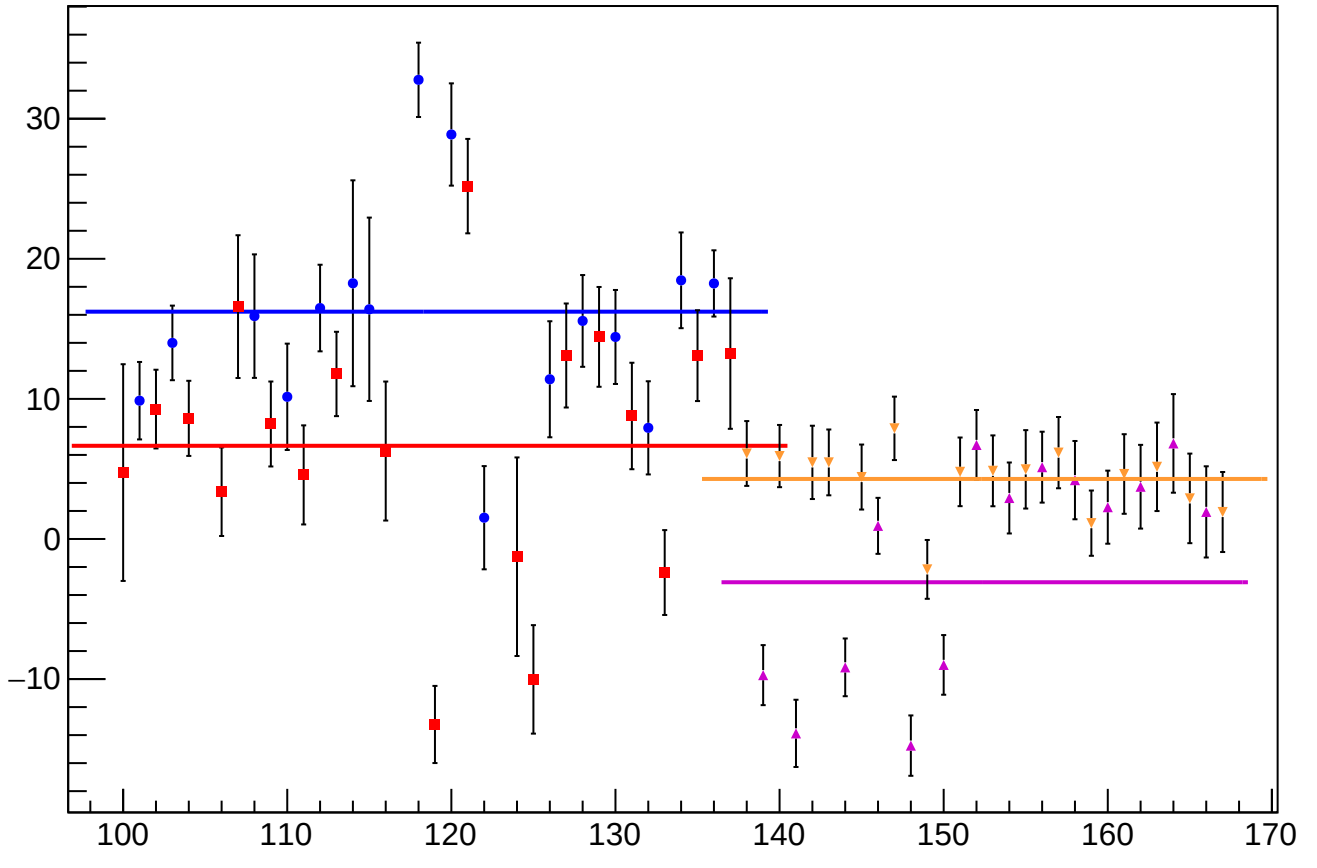
Left: 2090.957+/-0.307 χ^2/NDF: 1449877.7/29

Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

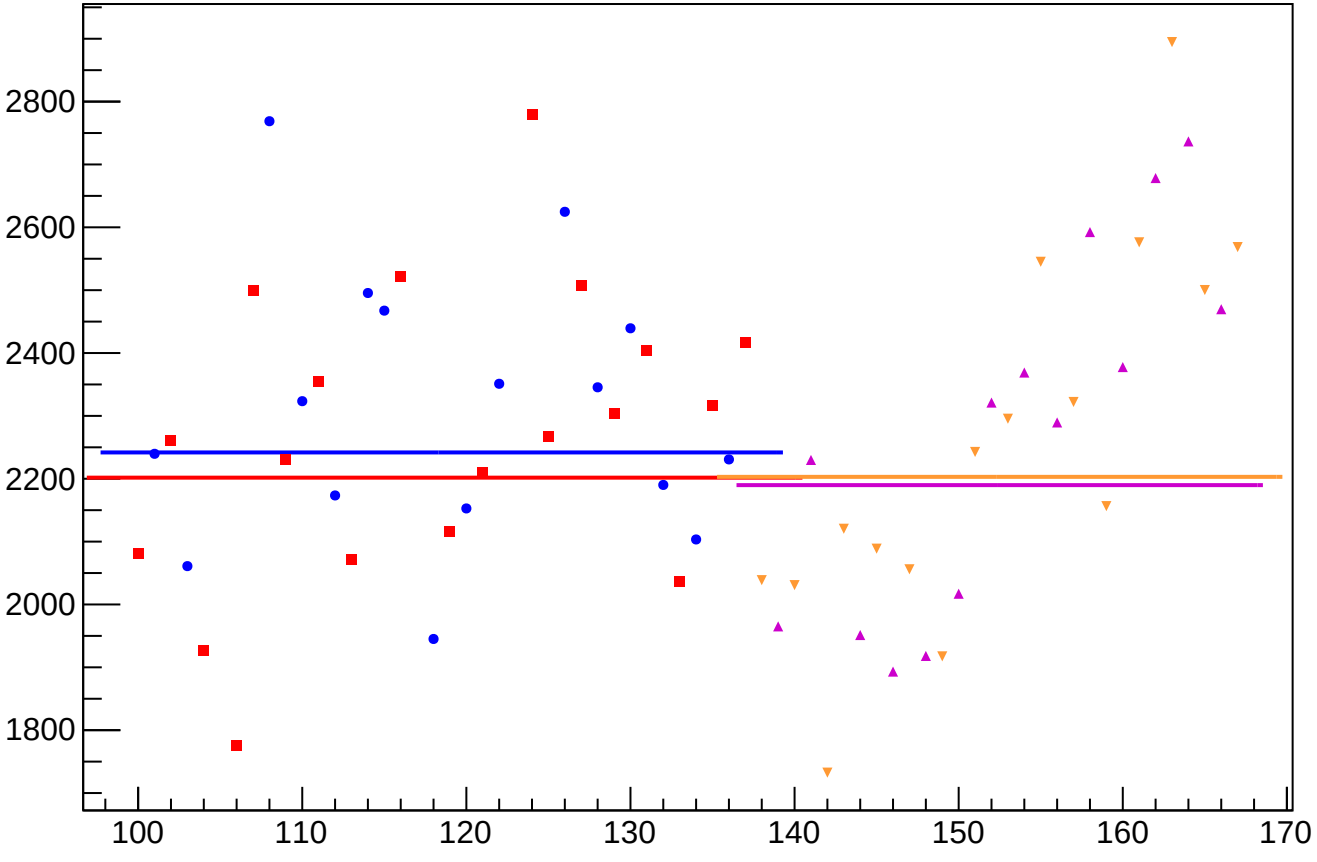
In: 2145.693+/-0.357 χ^2/NDF:875006.3/29

Out: 2149.406+/-0.344 χ^2/NDF:942087.7/34

All: 2147.617+/-0.247 χ^2/NDF: 1817150.2/64


diff_bpm0i01Y_mean vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: 16.226+/-0.838 χ²/NDF: 84.5/15
Left Out: 4.285+/-0.625 χ²/NDF:17.1/15
Right Out: 6.652+/-0.809 χ²/NDF: 134.6/18
Left In: -3.088+/-0.653 χ²/NDF:137.6/13
Left: 0.757+/-0.451 χ²/NDF: 221.3/29
Right: 11.274+/-0.582 χ²/NDF: 286.7/34
In: 4.208+/-0.515 χ²/NDF:553.0/29
Out: 5.170+/-0.495 χ²/NDF:157.0/34
All: 4.708+/-0.357 χ²/NDF: 711.9/64

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2203.016+/-0.442 χ^2/NDF:358296.6/15

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2189.855+/-0.461 χ^2/NDF:325384.2/13

Left: 2196.718+/-0.319 χ^2/NDF: 684105.0/29

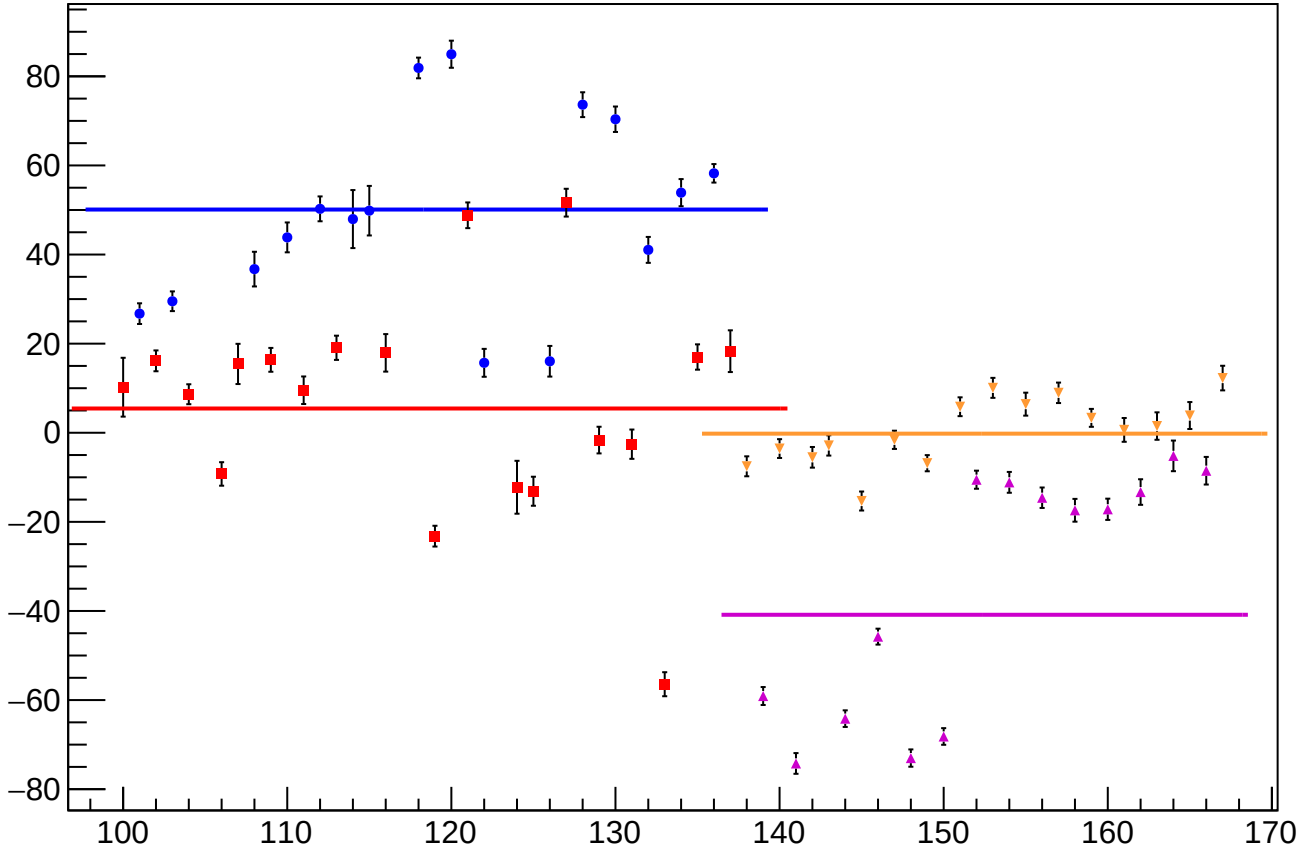
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2209.498+/-0.364 χ^2/NDF:432440.9/29

Out: 2202.539+/-0.350 χ^2/NDF:488182.2/34

All: 2205.880+/-0.252 χ^2/NDF: 920813.1/64

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -0.202+/-0.572 χ^2/NDF:161.3/15

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -40.856+/-0.594 χ^2/NDF:1946.0/13

Left: -19.754+/-0.412 χ^2/NDF: 4540.8/29

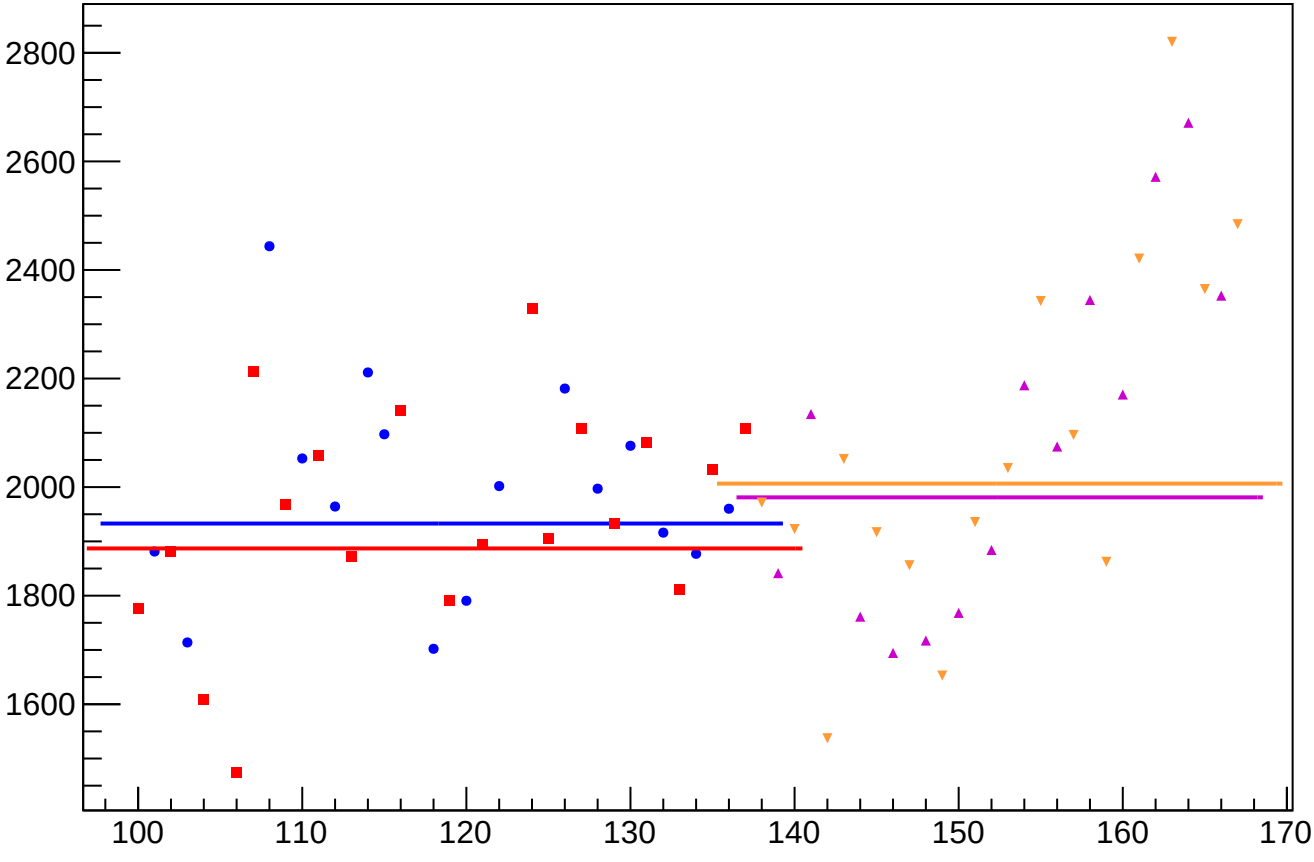
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -4.168+/-0.459 χ^2/NDF:12300.7/29

Out: 2.078+/-0.441 χ^2/NDF:1512.3/34

All: -0.924+/-0.318 χ^2/NDF: 13909.3/64

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2006.467+/-0.404 χ^2/NDF:502302.6/15

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1981.093+/-0.420 χ^2/NDF:430724.1/13

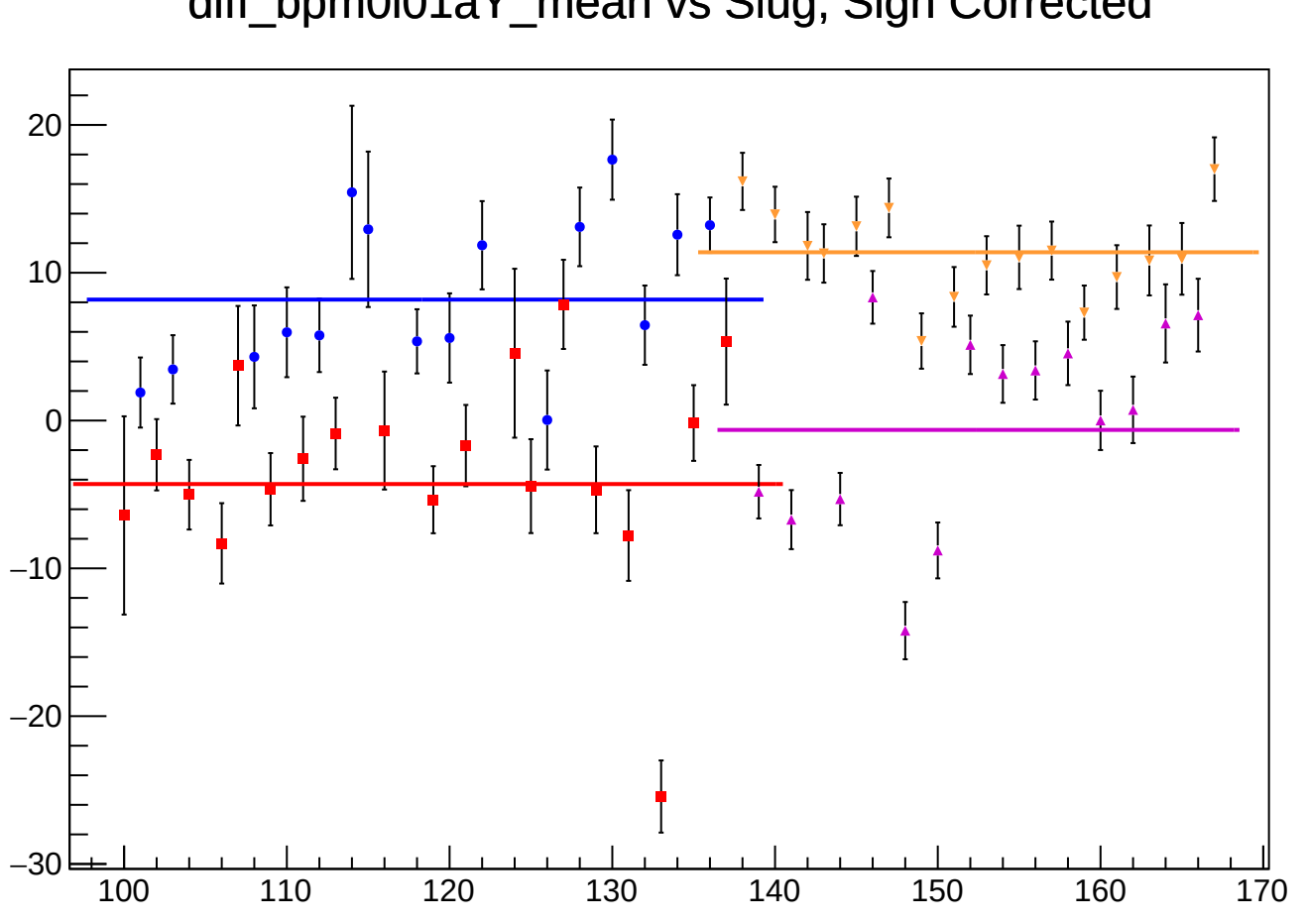
Left: 1994.263+/-0.291 χ^2/NDF: 934922.7/29

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1961.656+/-0.324 χ^2/NDF:542005.5/29

Out: 1958.213+/-0.312 χ^2/NDF:687345.1/34

All: 1959.868+/-0.225 χ^2/NDF: 1229409.2/64



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.386+/-0.510 χ^2/NDF:36.3/15

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -0.633+/-0.536 χ^2/NDF:154.7/13

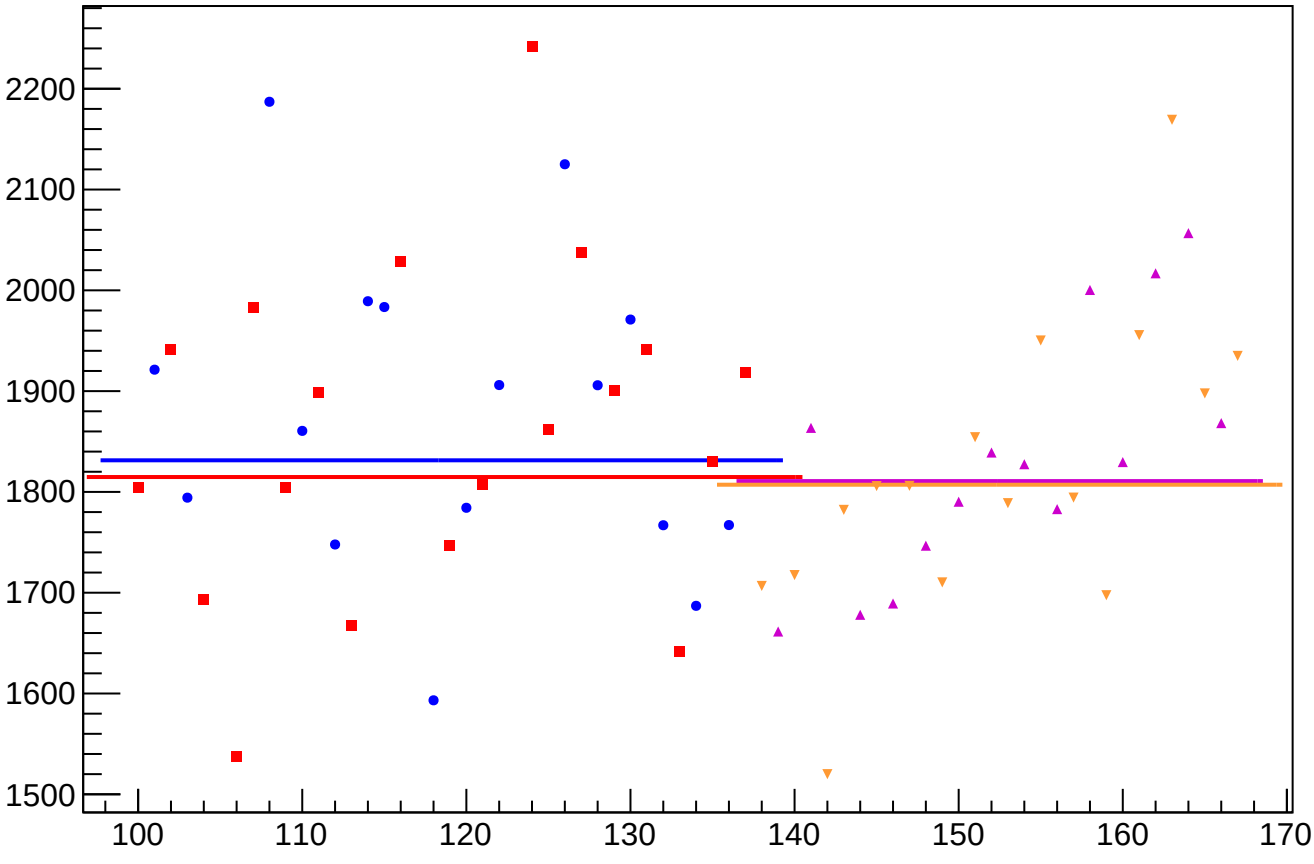
Left: 5.672+/-0.369 χ^2/NDF: 455.0/29

Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.722+/-0.422 χ^2/NDF:309.7/29

Out: 5.581+/-0.405 χ^2/NDF:500.1/34

All: 4.210+/-0.292 χ^2/NDF: 833.7/64



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1807.146+/-0.361 χ^2/NDF:130610.8/15

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1810.741+/-0.379 χ^2/NDF:89837.7/13

Left: 1808.855+/-0.261 χ^2/NDF: 220495.7/29

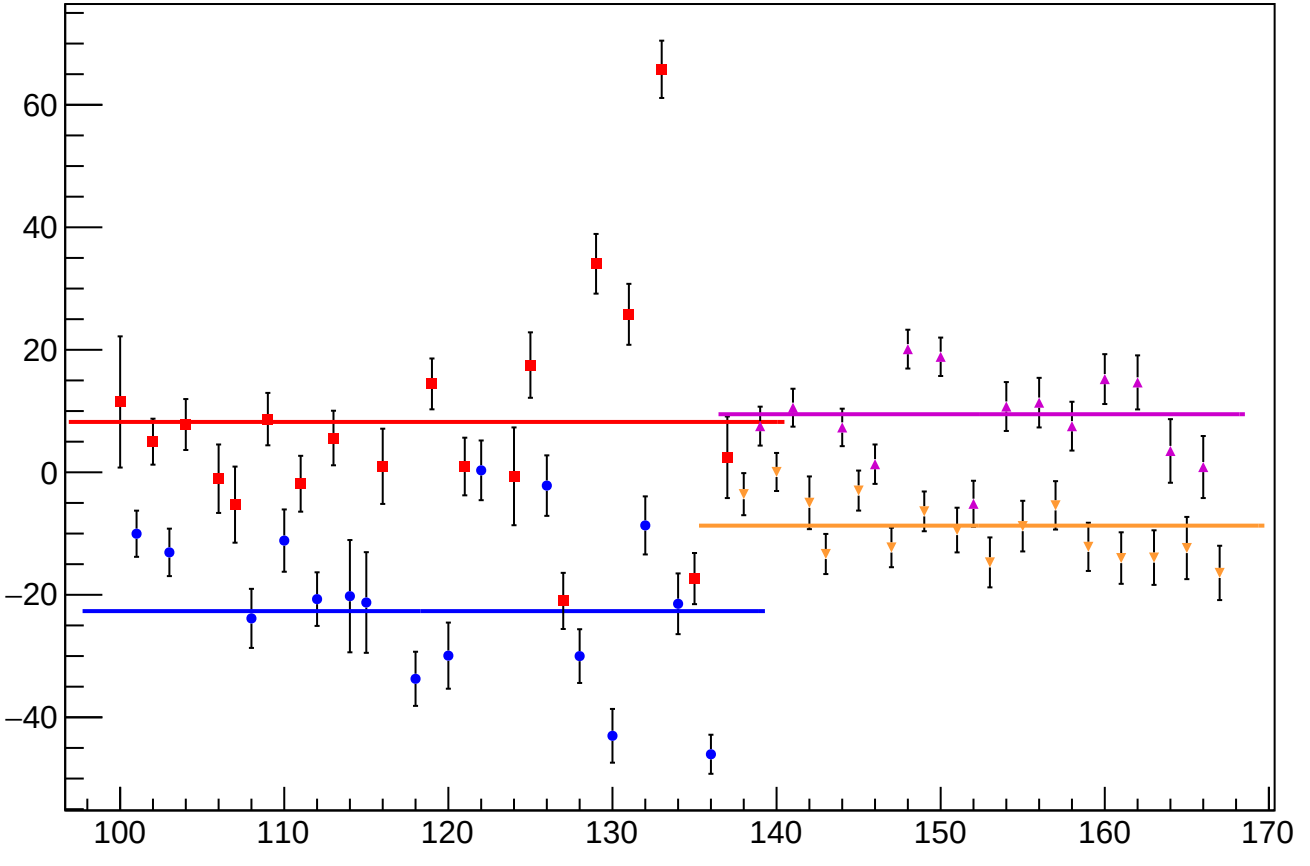
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1818.588+/-0.298 χ^2/NDF:177884.0/29

Out: 1809.970+/-0.286 χ^2/NDF:221515.0/34

All: 1814.103+/-0.207 χ^2/NDF: 399833.7/64

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -8.707+/-0.937 χ^2/NDF:27.9/15

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.483+/-0.974 χ^2/NDF:50.9/13

Left: 0.033+/-0.675 χ^2/NDF: 259.9/29

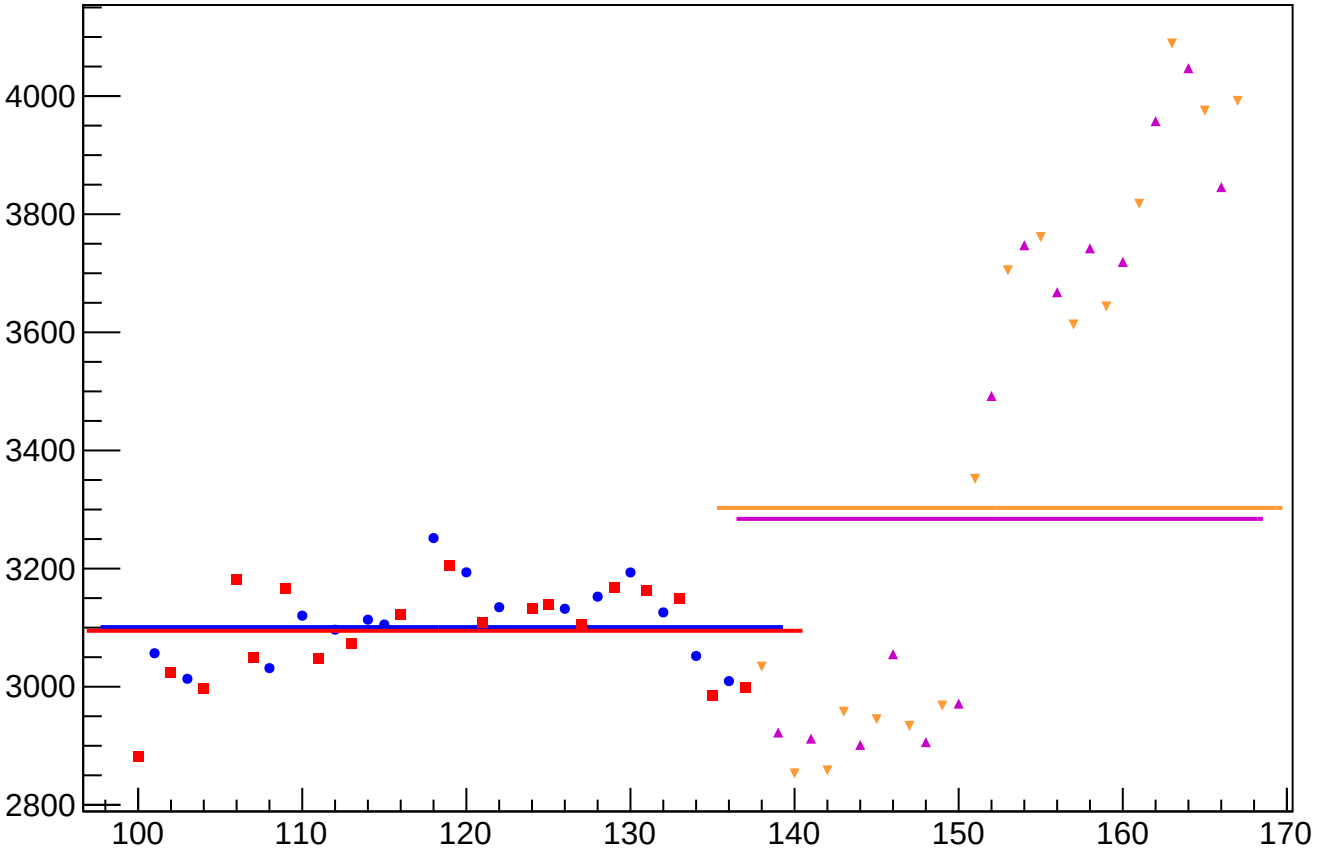
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.922+/-0.744 χ^2/NDF:662.1/29

Out: -1.801+/-0.721 χ^2/NDF:456.0/34

All: -2.828+/-0.518 χ^2/NDF: 1122.2/64

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3302.853+/-0.663 χ^2/NDF:416474.1/15

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3284.159+/-0.689 χ^2/NDF:359244.4/13

Left: 3293.871+/-0.478 χ^2/NDF: 776101.0/29

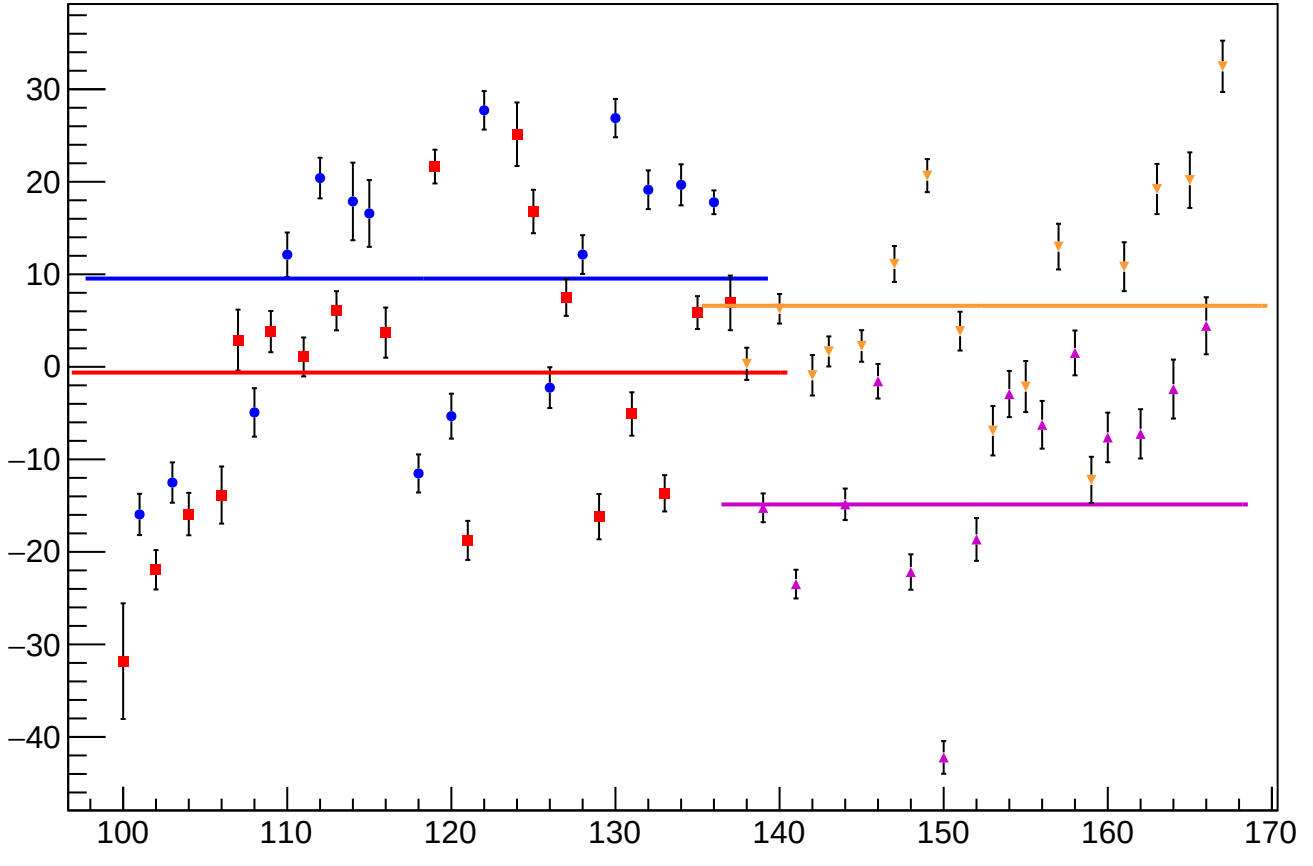
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3207.753+/-0.526 χ^2/NDF:396634.4/29

Out: 3217.938+/-0.510 χ^2/NDF:465329.2/34

All: 3213.005+/-0.366 χ^2/NDF: 862156.9/64

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 6.601+/-0.529 χ^2/NDF:340.7/15

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -14.872+/-0.559 χ^2/NDF:488.1/13

Left: -3.543+/-0.384 χ^2/NDF: 1608.3/29

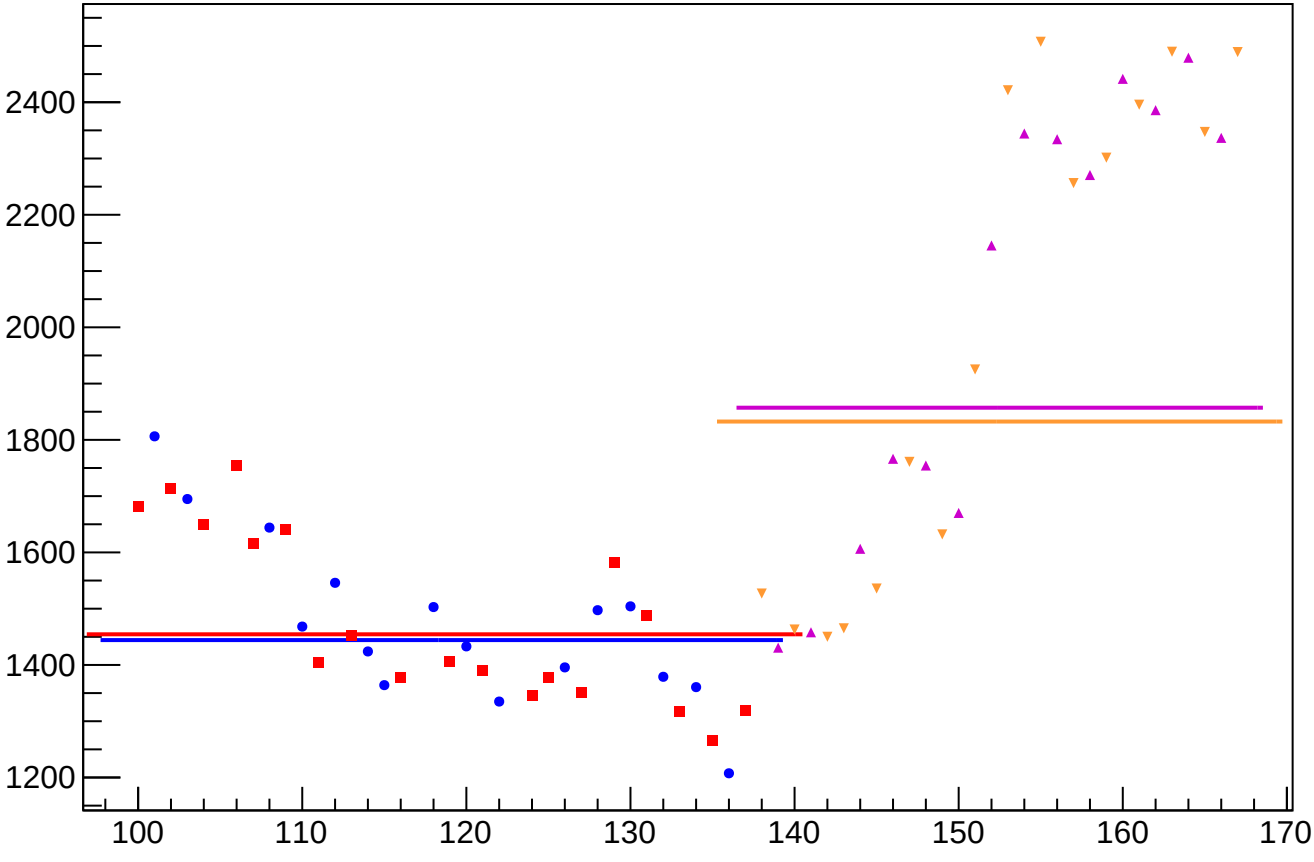
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.281+/-0.389 χ^2/NDF:2171.8/29

Out: 3.028+/-0.376 χ^2/NDF:1098.8/34

All: 0.464+/-0.270 χ^2/NDF: 3367.1/64

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1832.555+/-0.374 χ^2/NDF:1150241.0/15

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1857.151+/-0.395 χ^2/NDF:891209.6/13

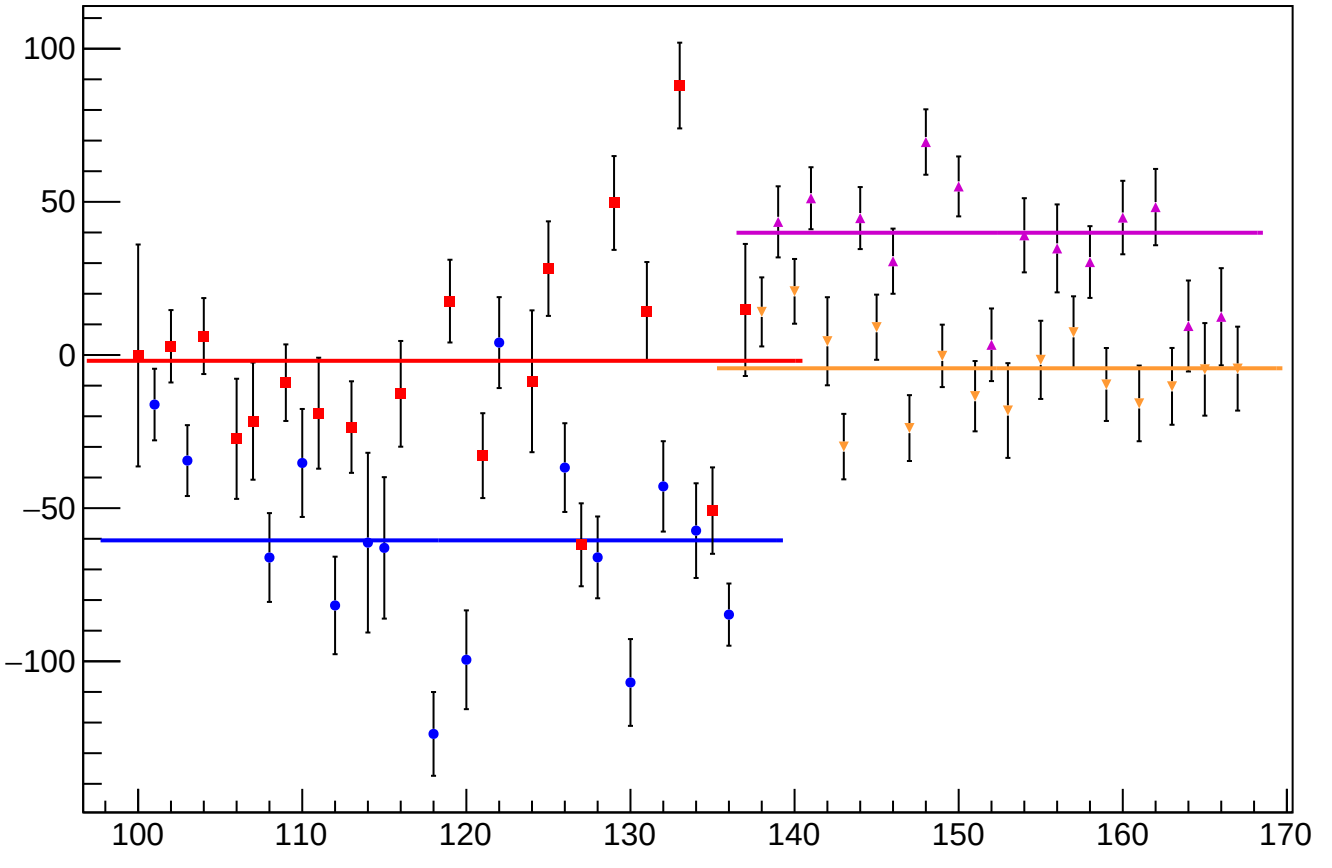
Left: 1844.175+/-0.271 χ^2/NDF: 2043496.1/29

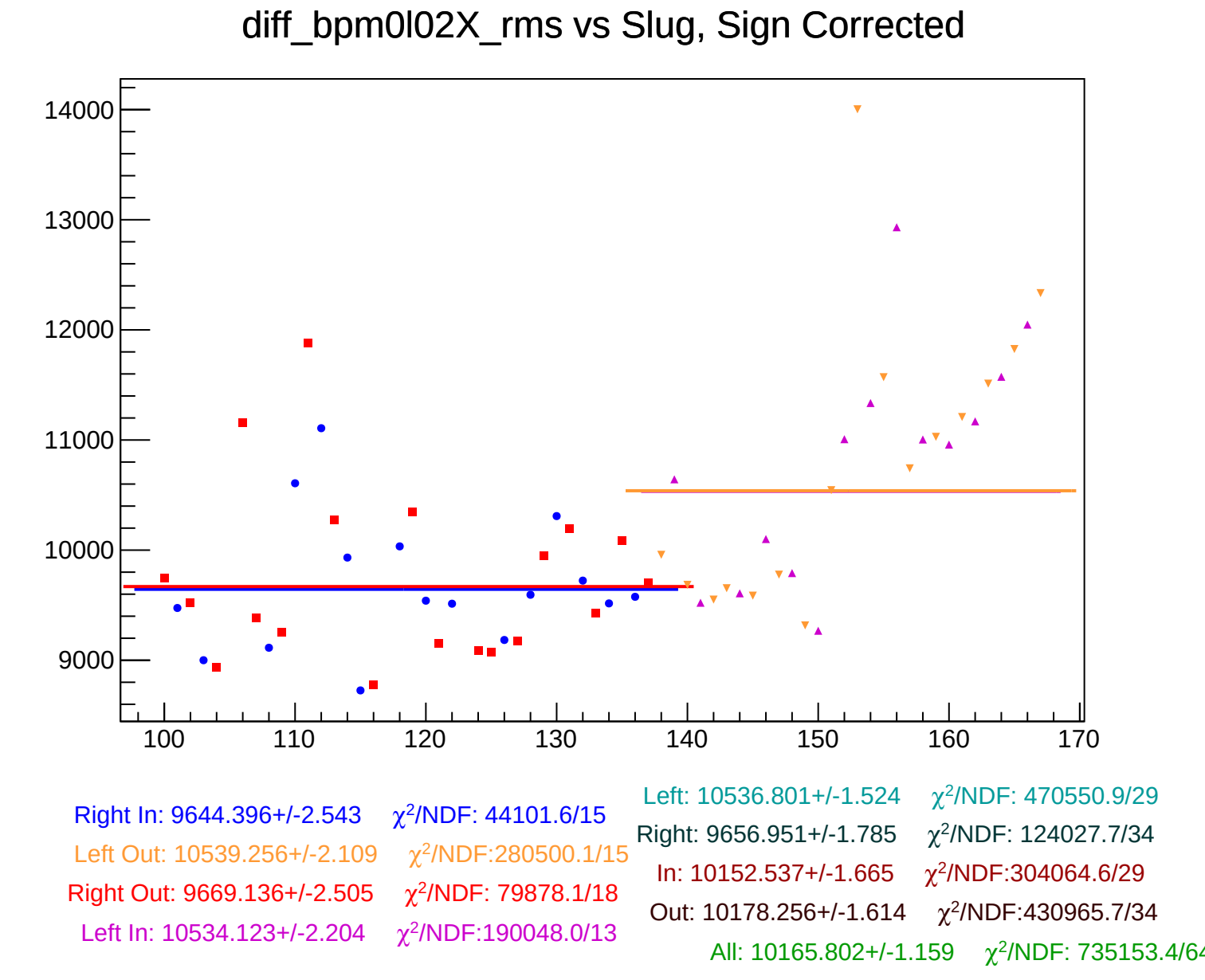
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1644.168+/-0.275 χ^2/NDF:1635059.3/29

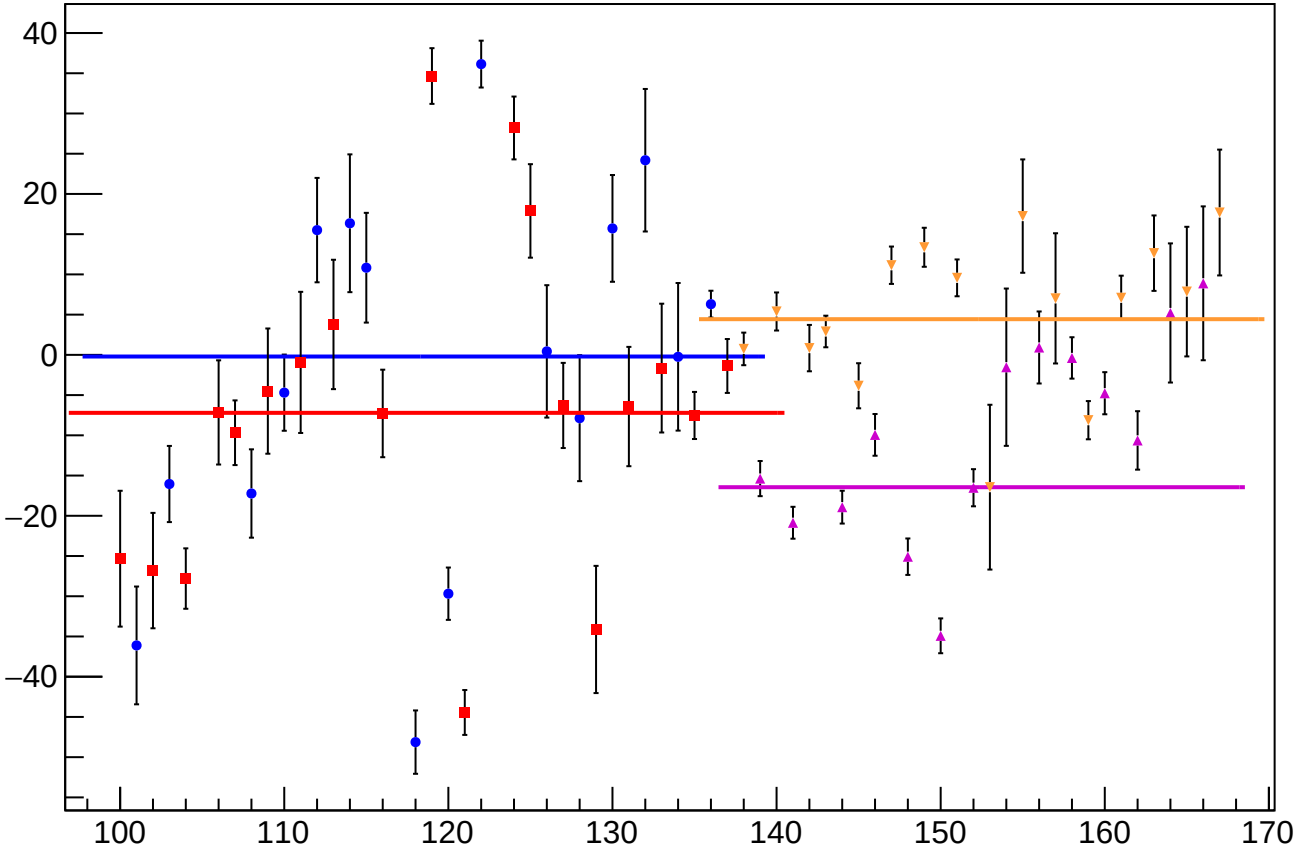
Out: 1645.467+/-0.266 χ^2/NDF:1799288.9/34

All: 1644.840+/-0.191 χ^2/NDF: 3434359.8/64


diff_bpm0l02X_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: -60.516+/-3.596 χ²/NDF: 90.3/15
Left Out: -4.332+/-2.983 χ²/NDF:23.2/15
Right Out: -1.894+/-3.543 χ²/NDF: 103.8/18
Left In: 39.915+/-3.116 χ²/NDF:30.5/13
Left: 16.826+/-2.155 χ²/NDF: 158.9/29
Right: -30.766+/-2.524 χ²/NDF: 329.0/34
In: -3.158+/-2.355 χ²/NDF:566.3/29
Out: -3.320+/-2.282 χ²/NDF:127.3/34
All: -3.242+/-1.639 χ²/NDF: 693.6/64


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10539.256+/-2.109 χ²/NDF:280500.1/15
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10534.123+/-2.204 χ²/NDF:190048.0/13
Left: 10536.801+/-1.524 χ²/NDF: 470550.9/29
Right: 9656.951+/-1.785 χ²/NDF: 124027.7/34
In: 10152.537+/-1.665 χ²/NDF:304064.6/29
Out: 10178.256+/-1.614 χ²/NDF:430965.7/34
All: 10165.802+/-1.159 χ²/NDF: 735153.4/64

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.434+/-0.724 χ^2/NDF:83.9/15

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -16.448+/-0.724 χ^2/NDF:192.5/13

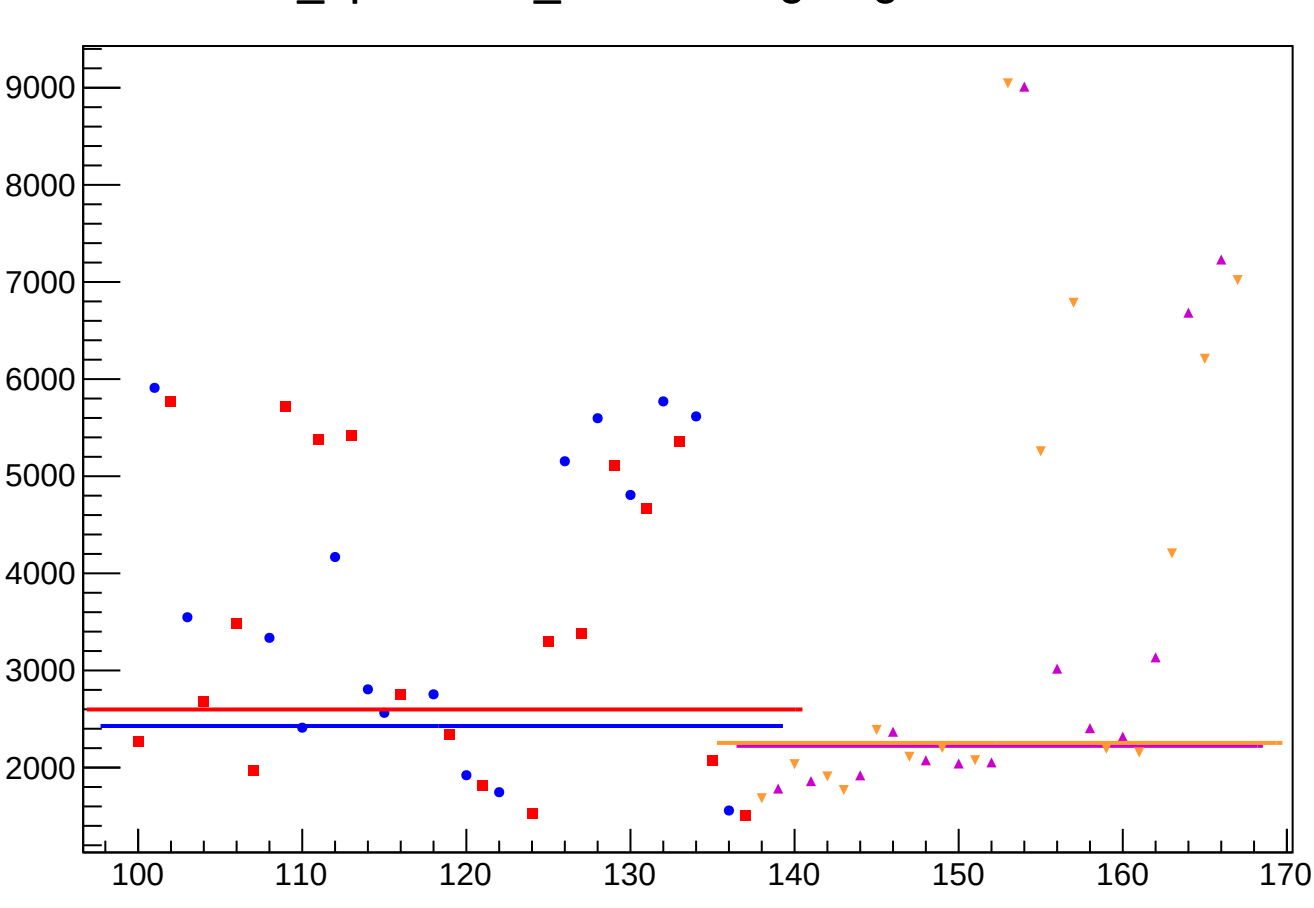
Left: -6.003+/-0.512 χ^2/NDF: 692.3/29

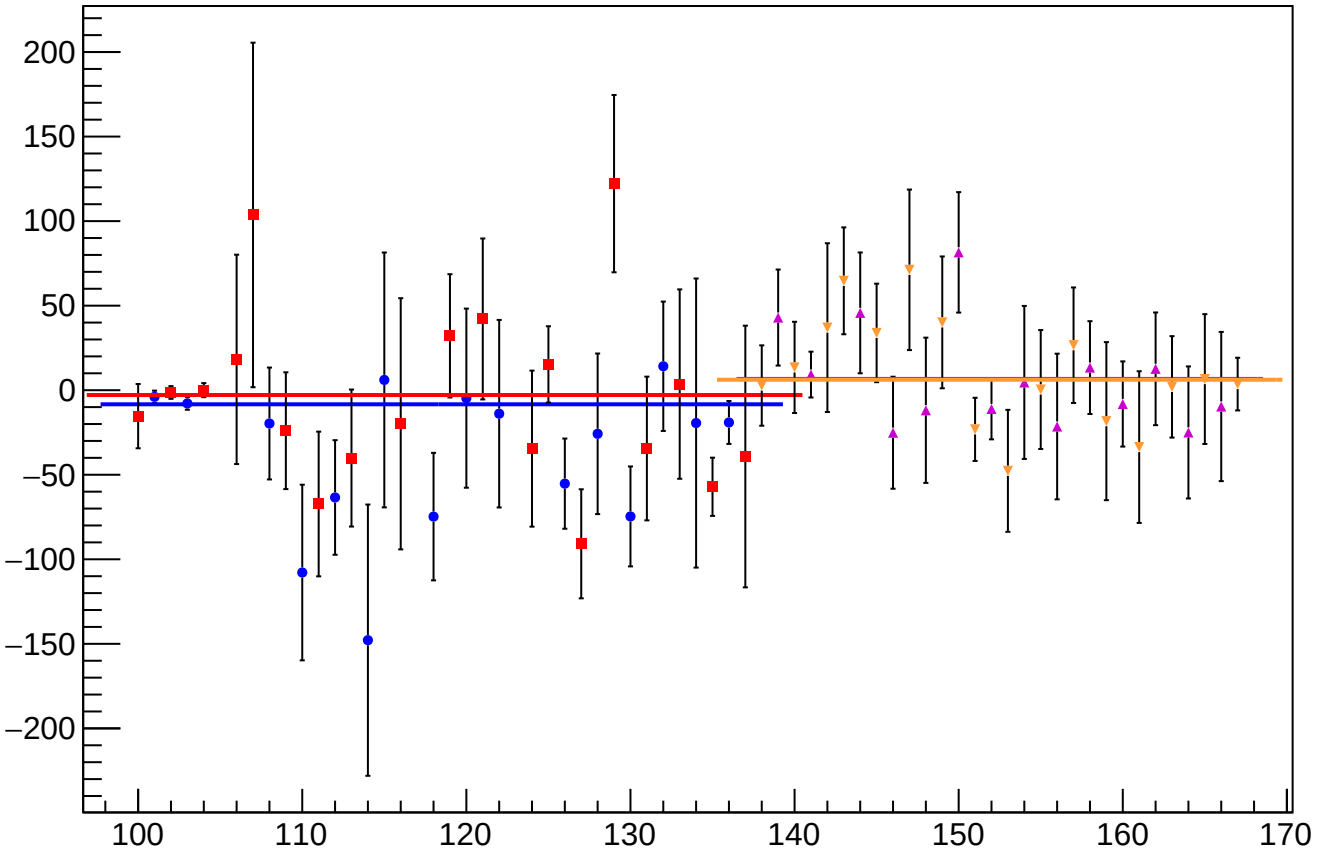
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -11.181+/-0.595 χ^2/NDF:829.3/29

Out: 0.796+/-0.600 χ^2/NDF:650.3/34

All: -5.242+/-0.423 χ^2/NDF: 1680.4/64


diff_bpm0l02Y_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 2428.080+/-0.739 χ²/NDF: 2815335.2/15
Left Out: 2254.090+/-0.512 χ²/NDF:3797224.1/15
Right Out: 2598.321+/-0.759 χ²/NDF: 2514932.7/18
Left In: 2223.969+/-0.512 χ²/NDF:2478887.9/13
Left: 2239.034+/-0.362 χ²/NDF: 6277842.7/29
Right: 2510.930+/-0.530 χ²/NDF: 5356082.2/34
In: 2290.156+/-0.421 χ²/NDF:5345747.4/29
Out: 2361.679+/-0.424 χ²/NDF:6453497.7/34
All: 2325.621+/-0.299 χ²/NDF: 11813562.2/6



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 6.187+/-7.255 χ^2/NDF:13.6/15

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 6.678+/-7.291 χ^2/NDF:11.0/13

Left: 6.431+/-5.143 χ^2/NDF: 24.7/29

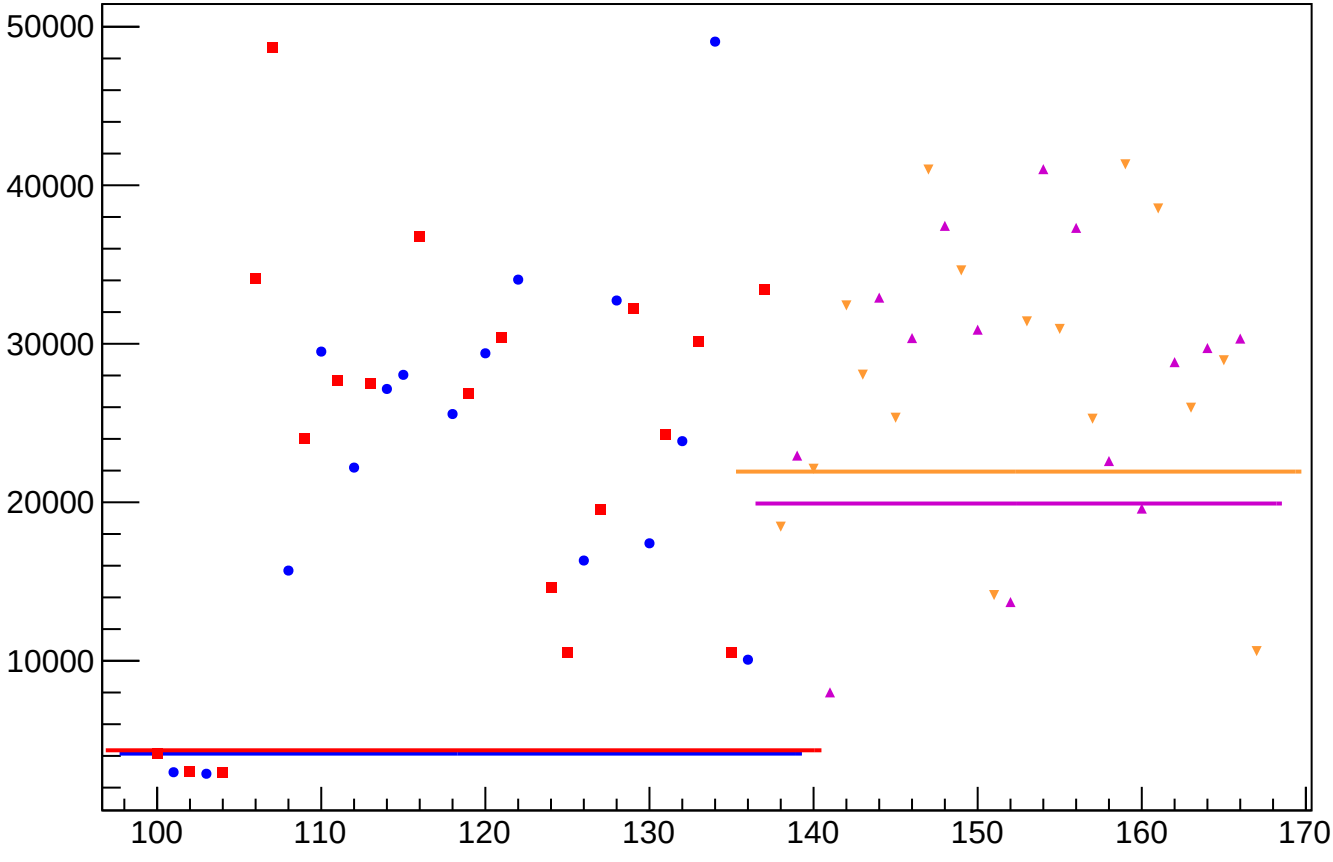
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.754+/-2.364 χ^2/NDF:38.2/29

Out: -1.792+/-2.481 χ^2/NDF:47.6/34

All: -4.392+/-1.711 χ^2/NDF: 88.0/64

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21936.995+/-5.130 χ^2/NDF:3182428.6/15

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 19922.592+/-5.156 χ^2/NDF:3953961.9/13

Left: 20934.784+/-3.637 χ^2/NDF: 7213094.8/29

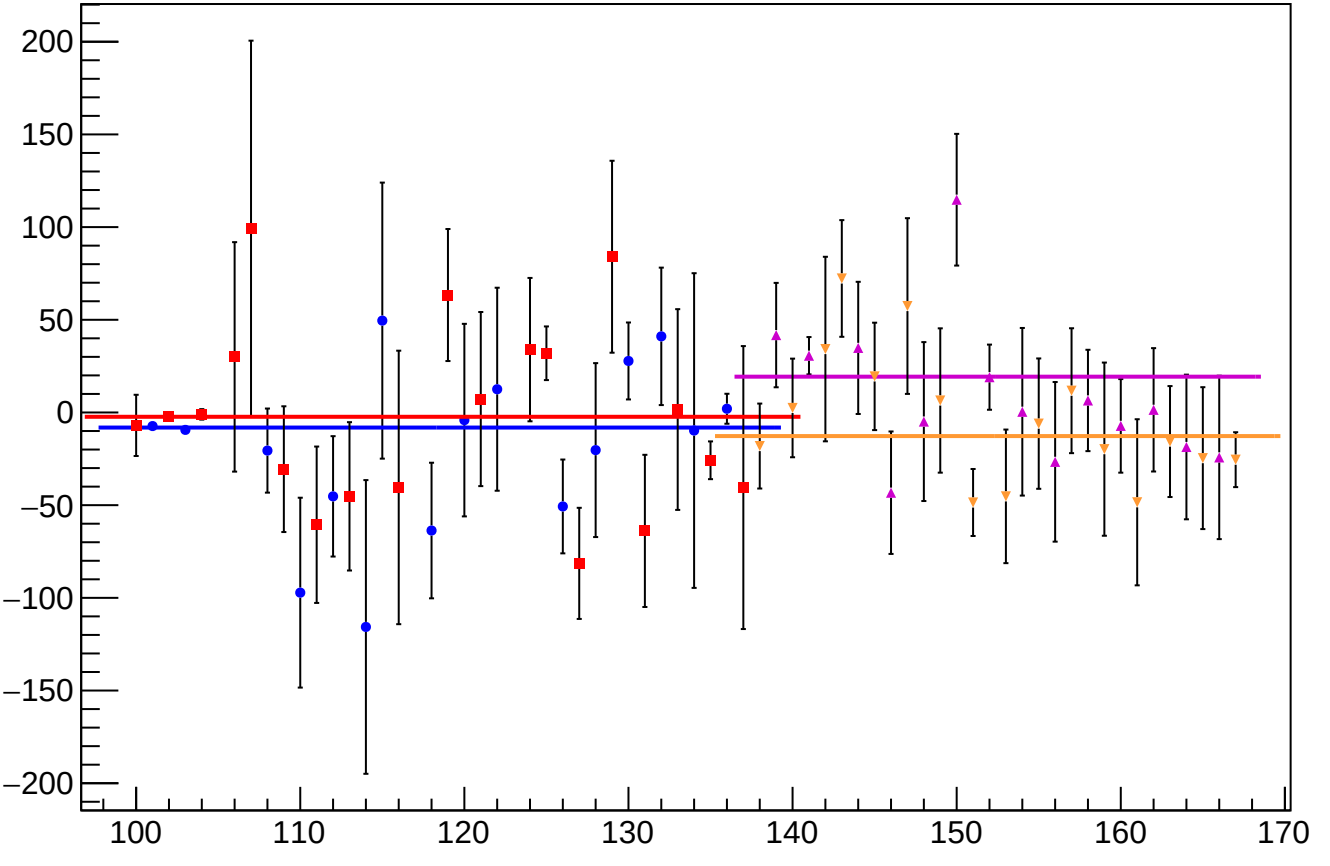
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5804.668+/-1.672 χ^2/NDF:19170062.0/29

Out: 6409.602+/-1.754 χ^2/NDF:21179951.0/34

All: 6092.636+/-1.210 χ^2/NDF: 40412338.9/6

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -12.733+/-7.094 χ^2/NDF:19.1/15

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 19.315+/-6.534 χ^2/NDF:18.1/13

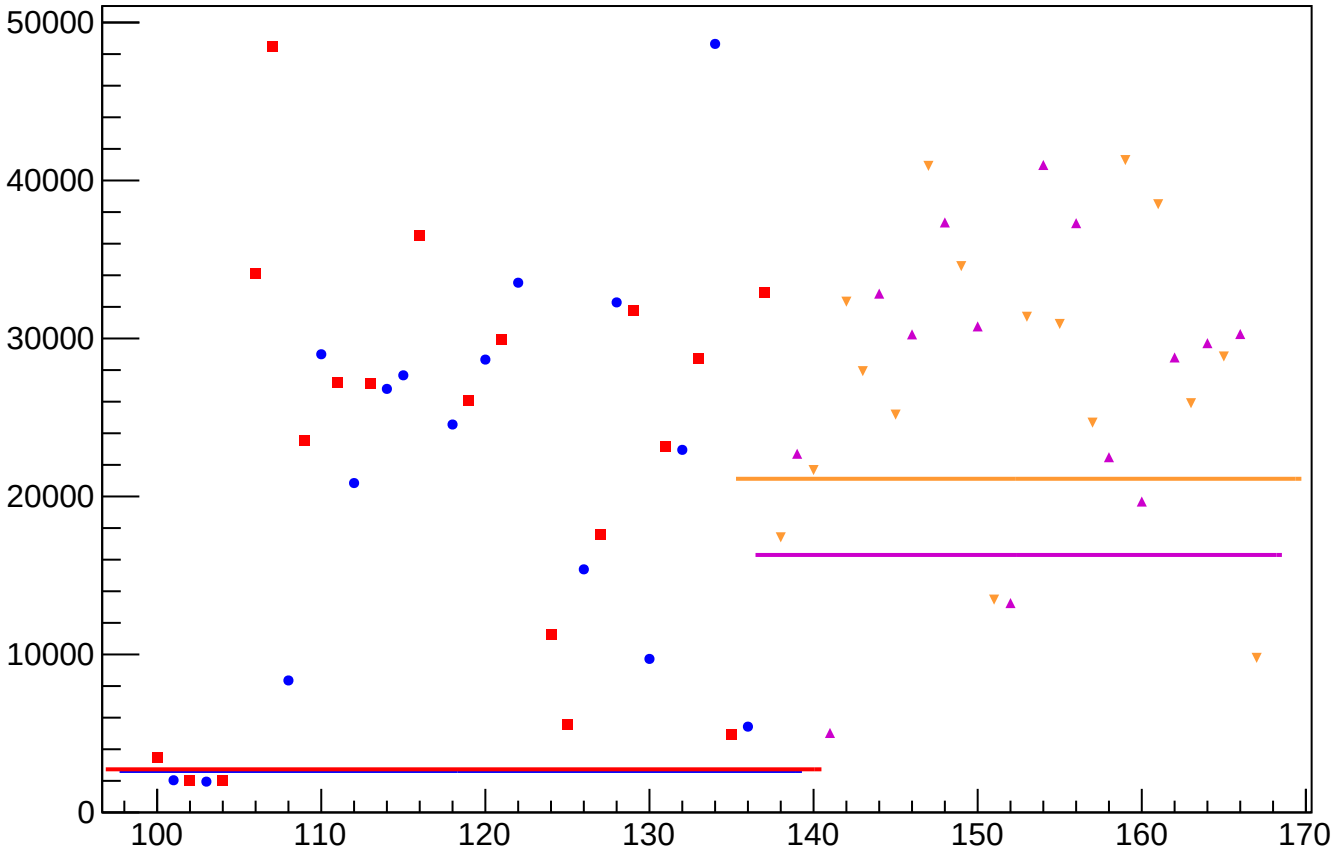
Left: 4.607+/-4.806 χ^2/NDF: 48.2/29

Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.353+/-1.664 χ^2/NDF:53.7/29

Out: -2.968+/-1.764 χ^2/NDF:54.1/34

All: -4.760+/-1.210 χ^2/NDF: 109.8/64



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 21119.742+/-5.017 χ^2/NDF:3552893.0/15

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 16298.616+/-4.620 χ^2/NDF:6202354.8/13

Left: 18511.178+/-3.398 χ^2/NDF: 10254982.7/29

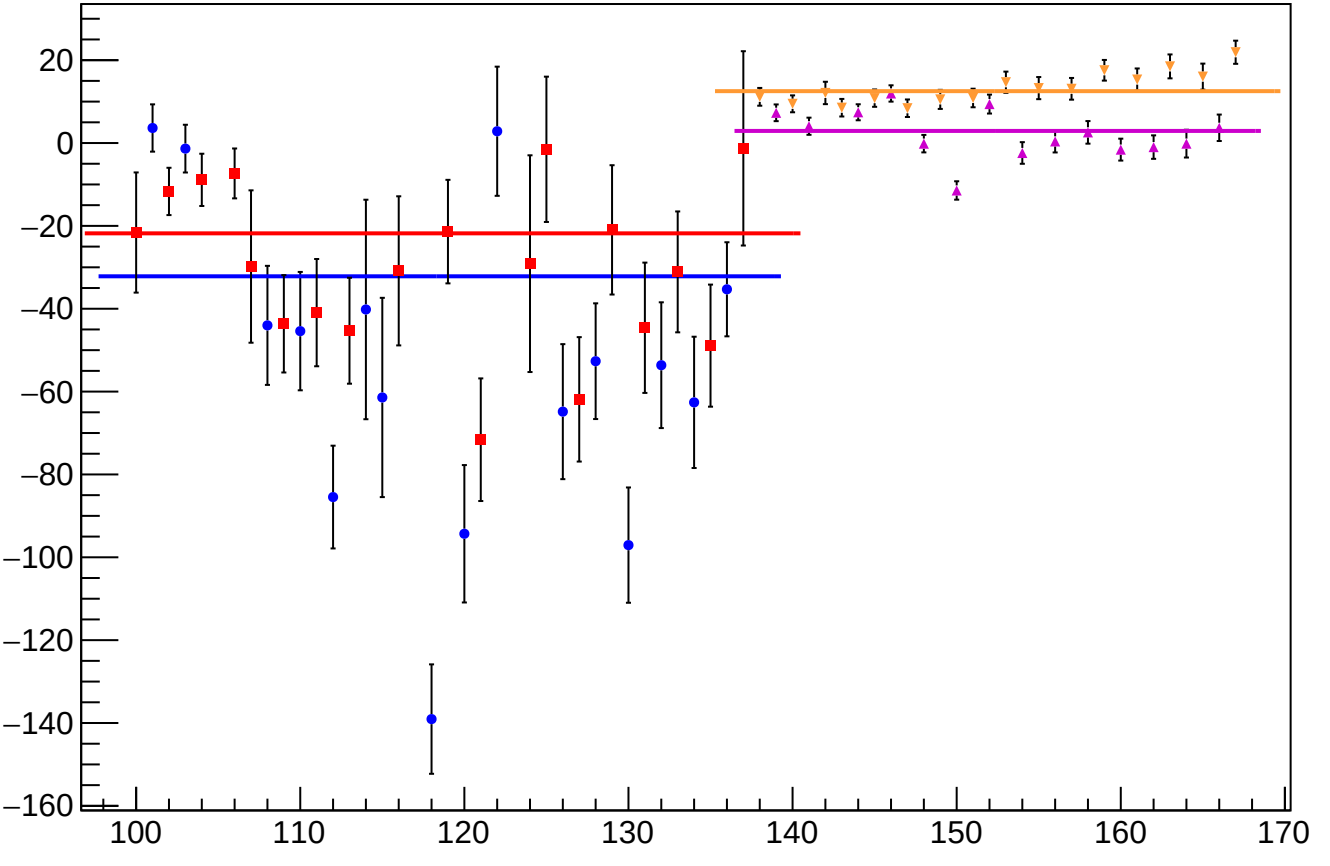
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3512.863+/-1.176 χ^2/NDF:21172788.4/29

Out: 3867.692+/-1.248 χ^2/NDF:24145548.8/34

All: 3679.860+/-0.856 χ^2/NDF: 45361153.9/6

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 12.522+/-0.604 χ^2/NDF:34.8/15

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 2.922+/-0.632 χ^2/NDF:94.3/13

Left: 7.944+/-0.437 χ^2/NDF: 249.7/29

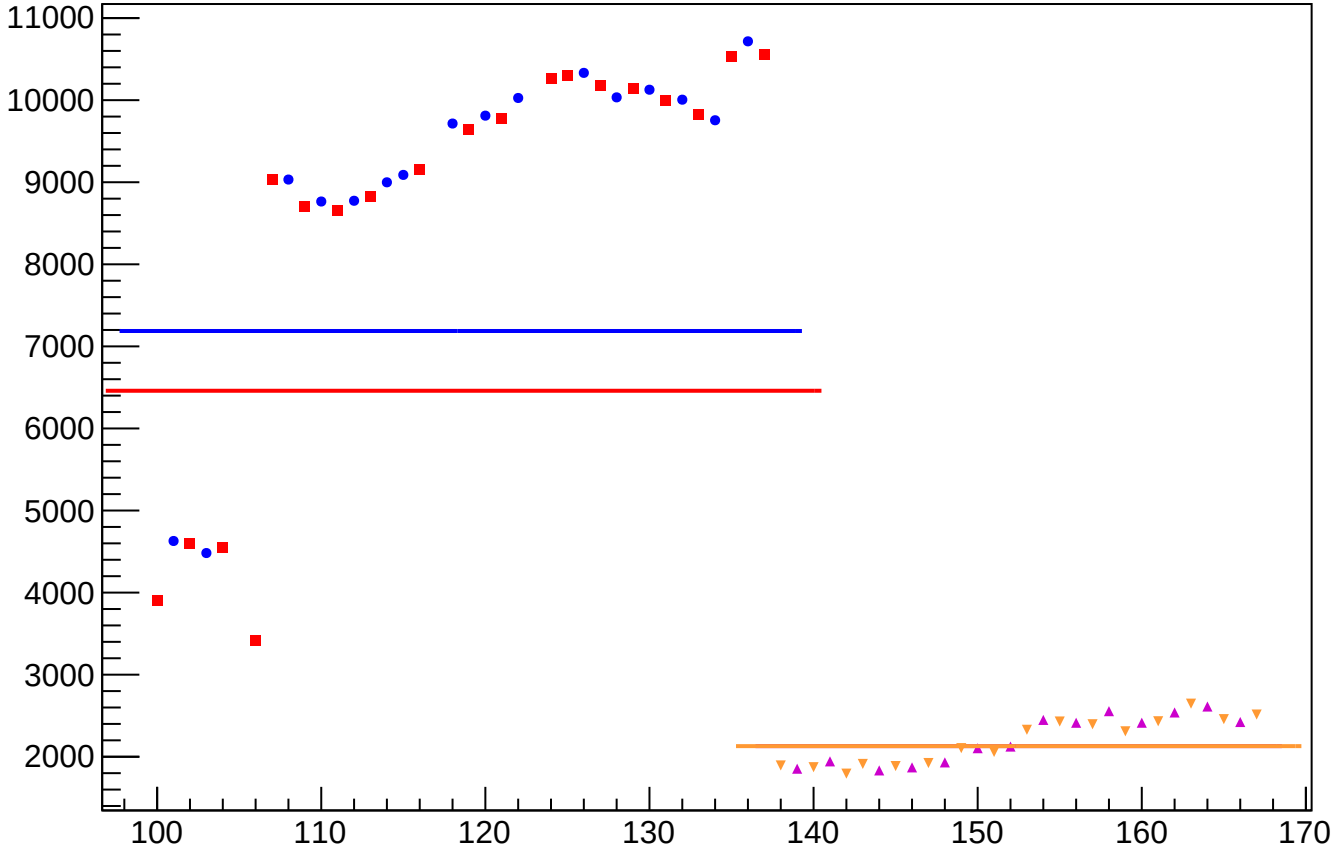
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.265+/-0.617 χ^2/NDF:447.4/29

Out: 10.710+/-0.588 χ^2/NDF:254.5/34

All: 6.221+/-0.426 χ^2/NDF: 824.7/64

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2129.296+/-0.427 χ^2/NDF:373634.5/15

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2129.606+/-0.447 χ^2/NDF:377865.7/13

Left: 2129.444+/-0.309 χ^2/NDF: 751500.5/29

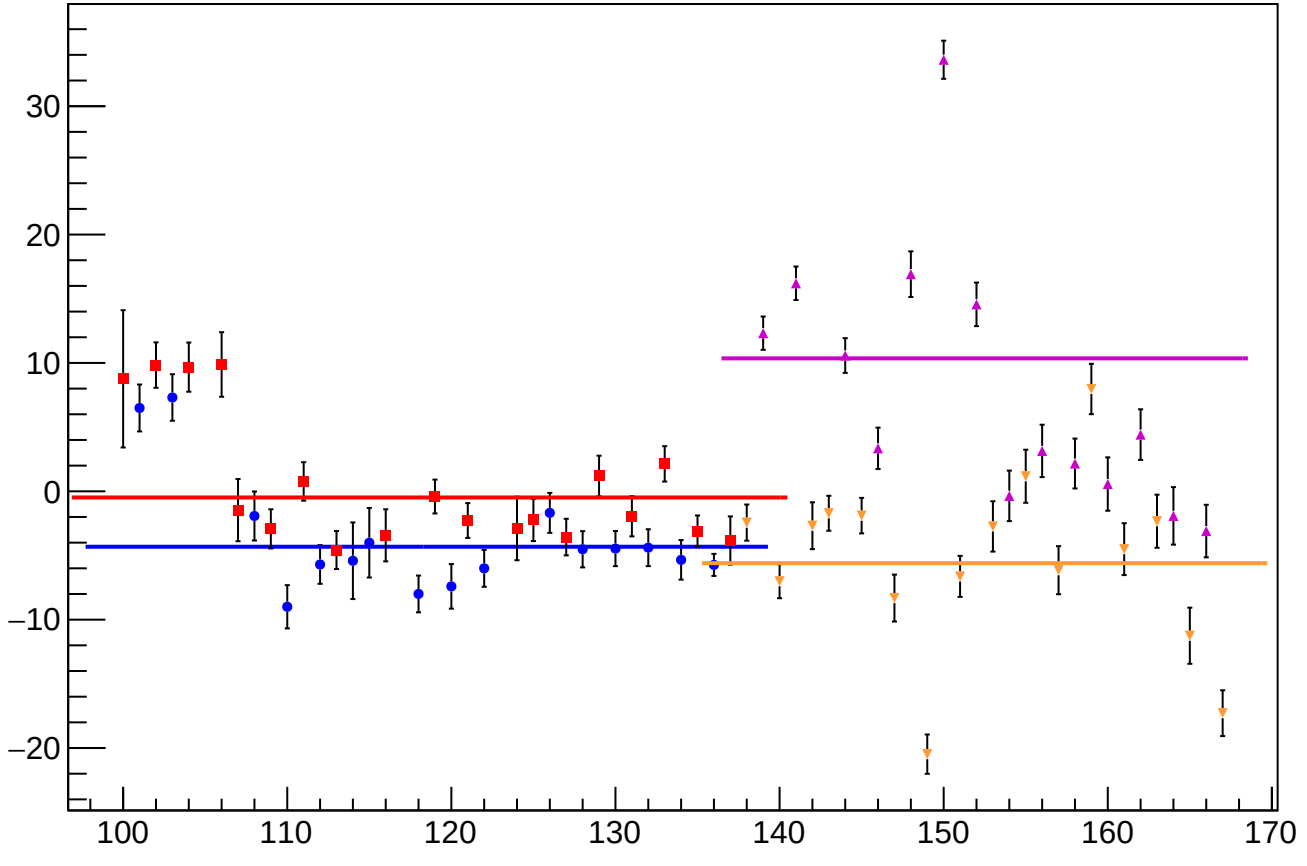
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2368.300+/-0.437 χ^2/NDF:8120308.0/29

Out: 2357.908+/-0.416 χ^2/NDF:8080995.6/34

All: 2362.847+/-0.301 χ^2/NDF: 16201601.0/6

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.598+/-0.423 χ^2/NDF:234.3/15

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 10.356+/-0.451 χ^2/NDF:470.7/13

Left: 1.865+/-0.308 χ^2/NDF: 1371.4/29

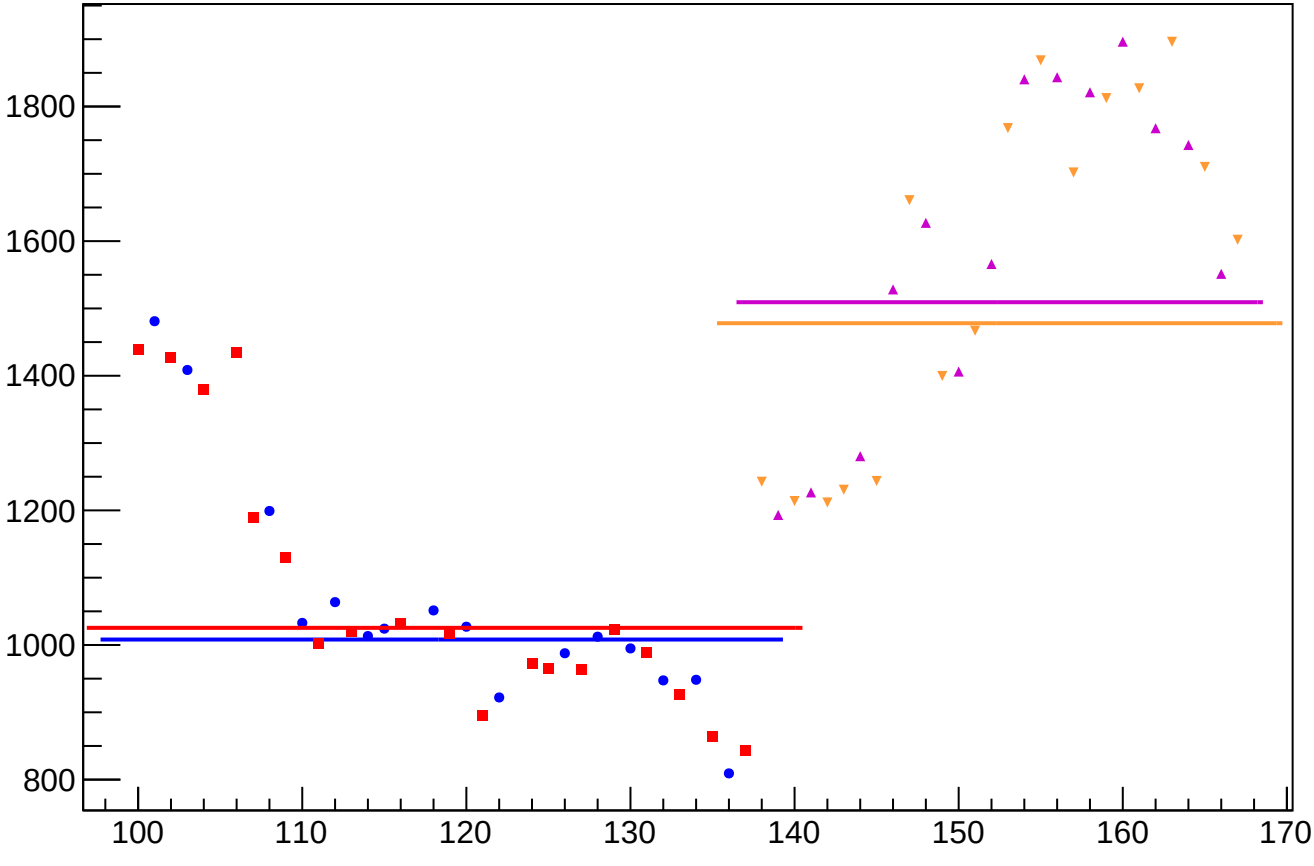
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.771+/-0.290 χ^2/NDF:1194.2/29

Out: -2.759+/-0.282 χ^2/NDF:432.8/34

All: -0.560+/-0.202 χ^2/NDF: 1752.2/64

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1478.045+/-0.299 χ^2/NDF:702358.7/15

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1509.264+/-0.319 χ^2/NDF:578618.6/13

Left: 1492.649+/-0.218 χ^2/NDF: 1286081.0/29

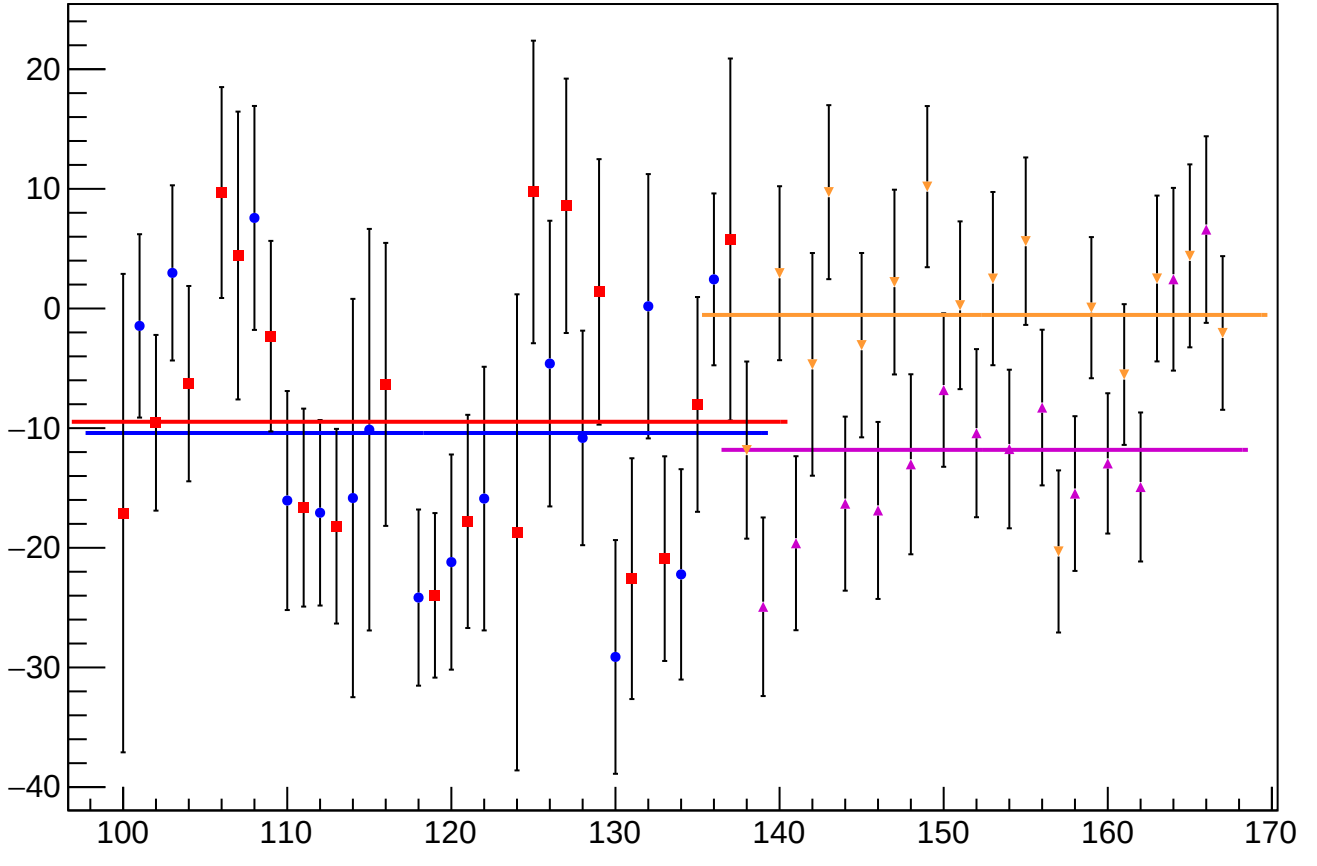
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1216.100+/-0.205 χ^2/NDF:2403052.0/29

Out: 1226.965+/-0.199 χ^2/NDF:2320225.9/34

All: 1221.692+/-0.143 χ^2/NDF: 4724718.4/64

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.537+/-1.755 χ^2/NDF:18.4/15

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -11.813+/-1.841 χ^2/NDF:15.7/13

Left: -5.905+/-1.270 χ^2/NDF: 53.8/29

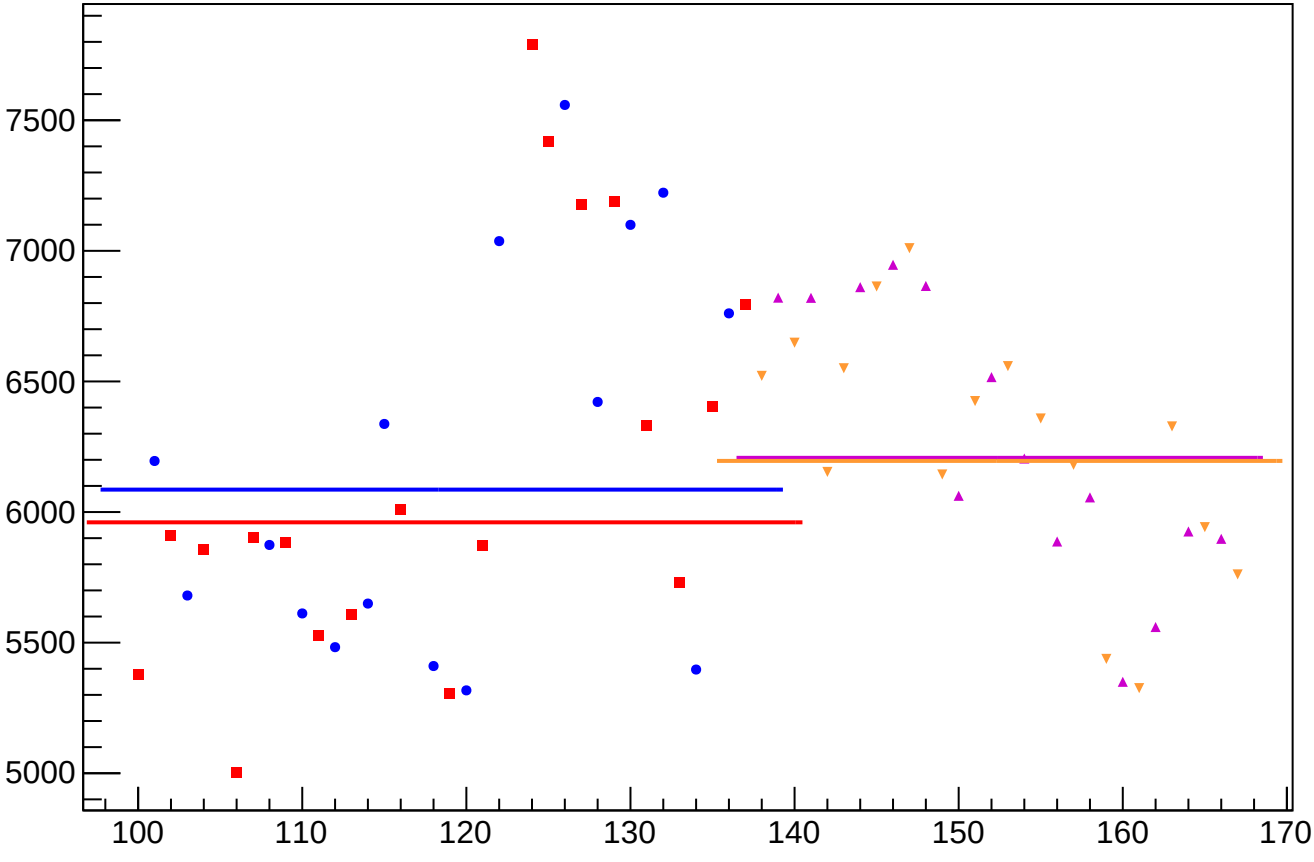
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.257+/-1.432 χ^2/NDF:40.6/29

Out: -4.026+/-1.370 χ^2/NDF:53.9/34

All: -7.480+/-0.990 χ^2/NDF: 107.8/64

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6195.779+/-1.241 χ^2/NDF:150943.5/15

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6207.526+/-1.302 χ^2/NDF:160260.4/13

Left: 6201.371+/-0.898 χ^2/NDF: 311246.6/29

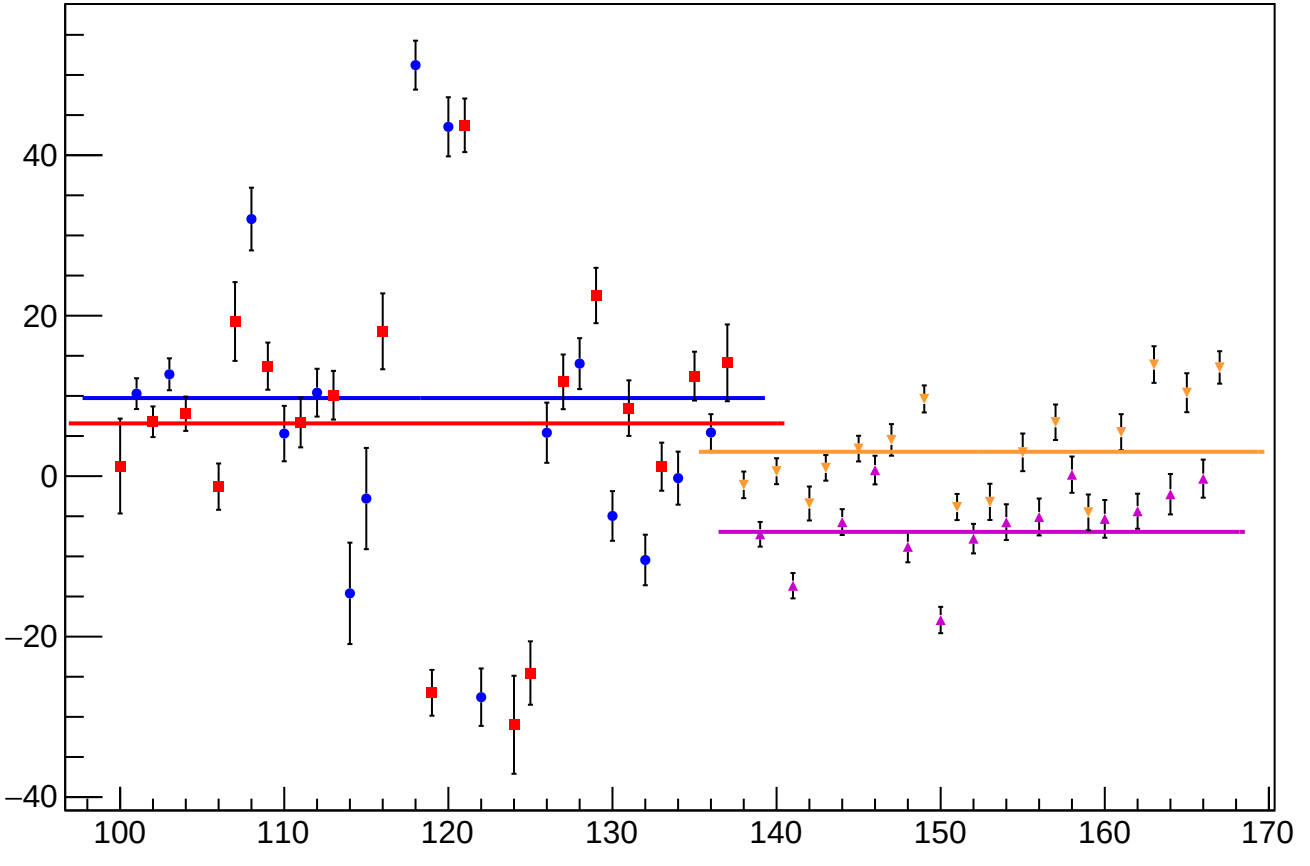
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6159.517+/-1.013 χ^2/NDF:342826.0/29

Out: 6103.879+/-0.968 χ^2/NDF:327754.0/34

All: 6130.454+/-0.700 χ^2/NDF: 672156.5/64

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 3.037+/-0.481 χ^2/NDF:135.0/15

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -6.944+/-0.515 χ^2/NDF:107.2/13

Left: -1.607+/-0.351 χ^2/NDF: 442.8/29

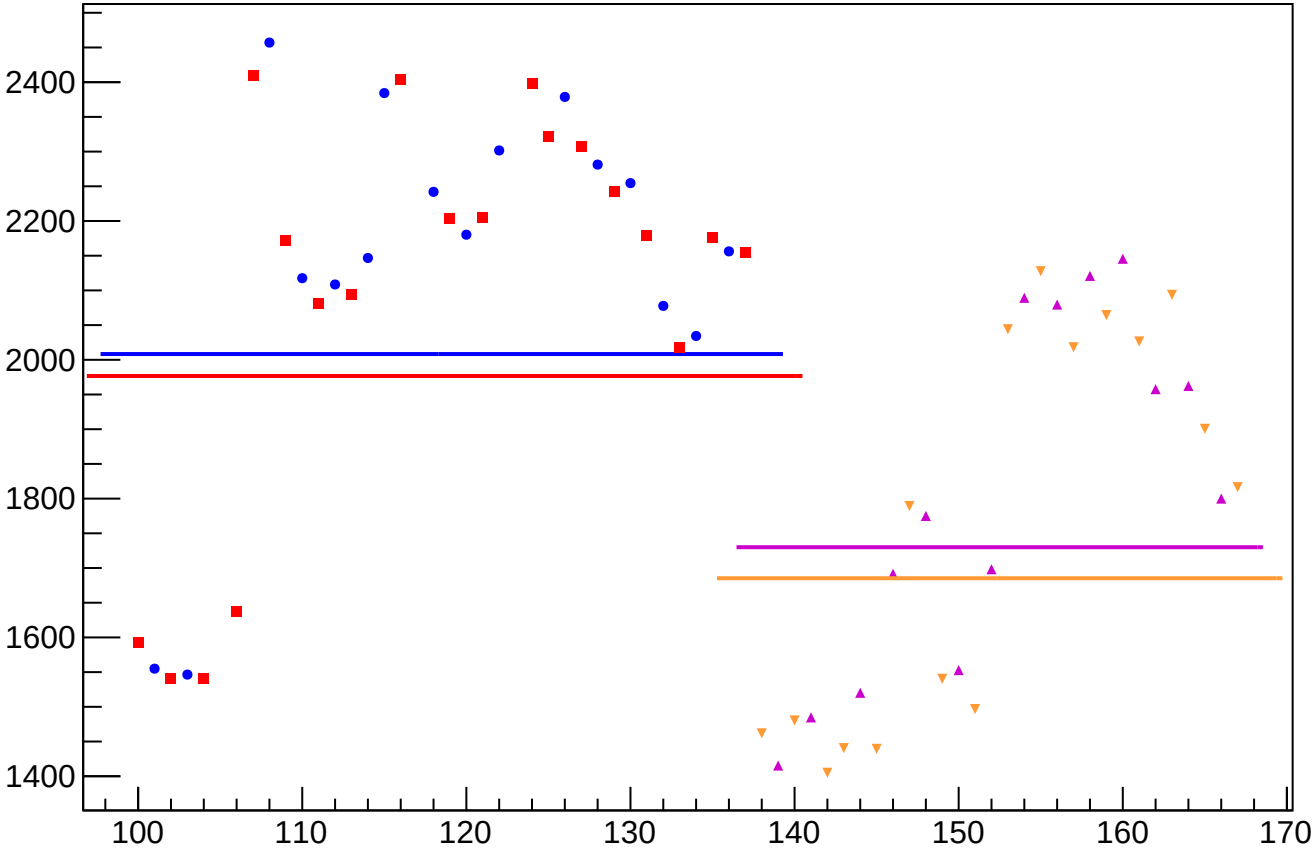
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.644+/-0.426 χ^2/NDF:952.5/29

Out: 4.107+/-0.401 χ^2/NDF:575.1/34

All: 1.399+/-0.292 χ^2/NDF: 1624.2/64

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1685.268+/-0.340 χ^2/NDF:604220.1/15

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1729.966+/-0.364 χ^2/NDF:452660.9/13

Left: 1706.064+/-0.249 χ^2/NDF: 1064930.1/29

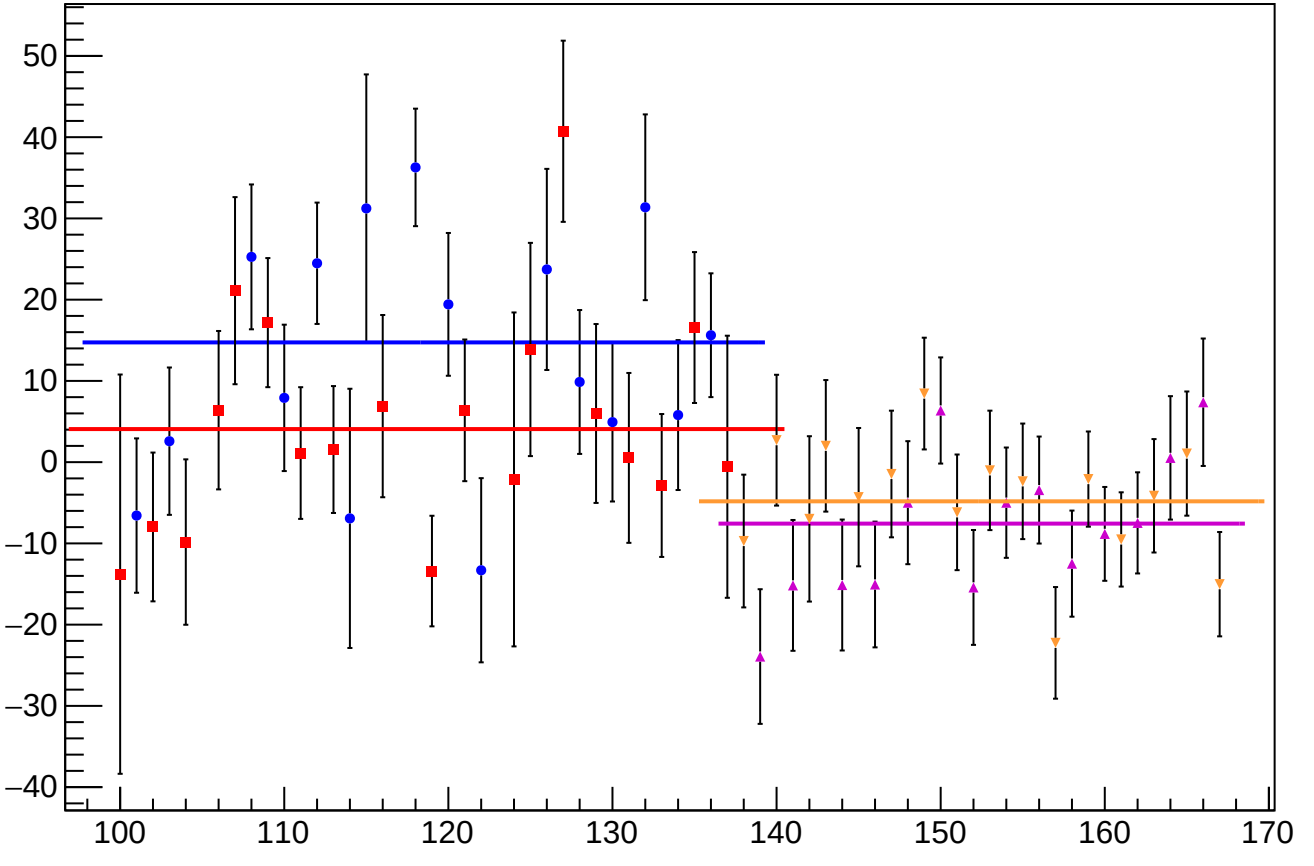
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1818.414+/-0.301 χ^2/NDF:982515.0/29

Out: 1773.325+/-0.284 χ^2/NDF:1191794.2/34

All: 1794.557+/-0.206 χ^2/NDF: 2186188.2/64

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -4.822+/-1.806 χ^2/NDF:16.7/15

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -7.565+/-1.888 χ^2/NDF:18.4/13

Left: -6.132+/-1.305 χ^2/NDF: 36.3/29

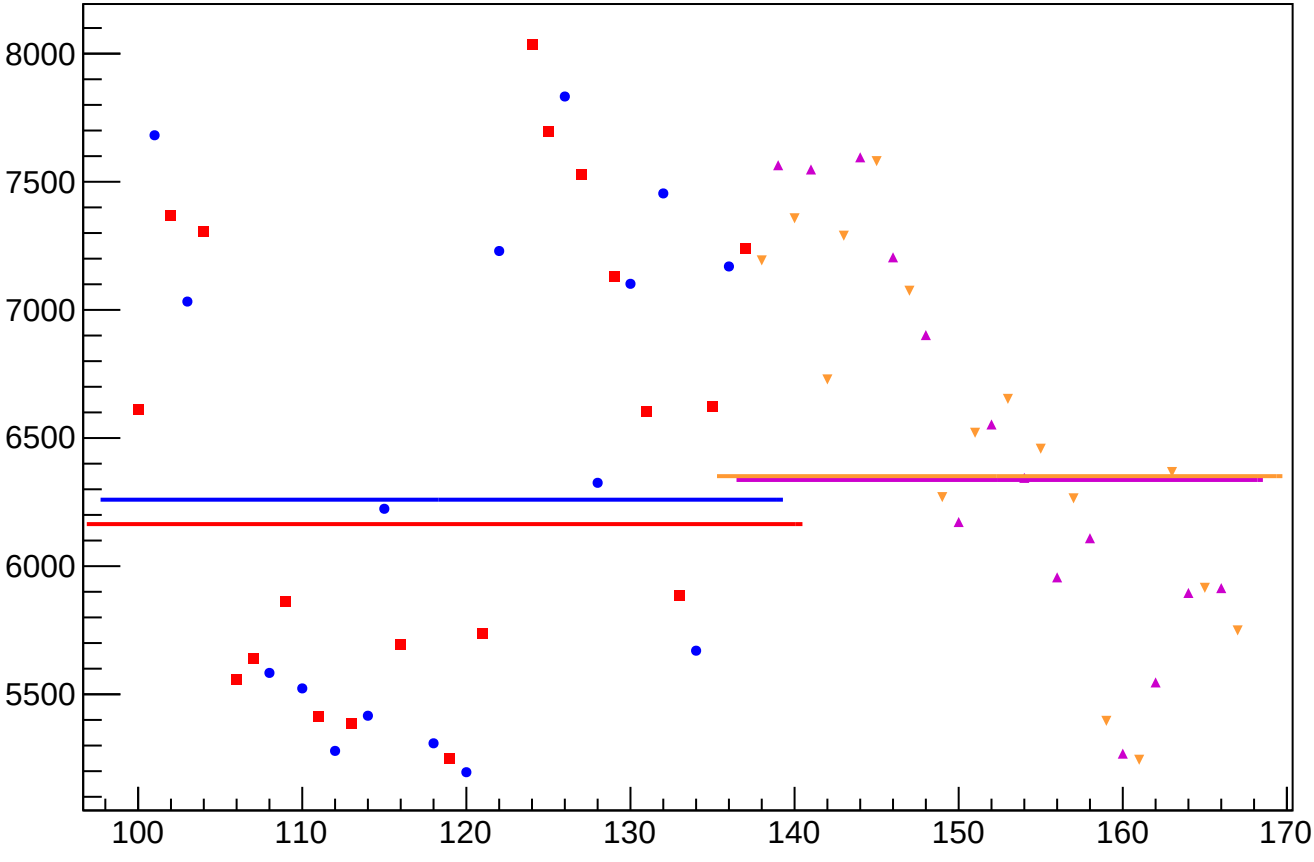
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 1.150+/-1.474 χ^2/NDF:106.5/29

Out: -1.382+/-1.414 χ^2/NDF:56.3/34

All: -0.168+/-1.020 χ^2/NDF: 164.3/64

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6351.239+/-1.277 χ^2/NDF:296566.3/15

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6336.414+/-1.335 χ^2/NDF:299772.3/13

Left: 6344.156+/-0.923 χ^2/NDF: 596403.0/29

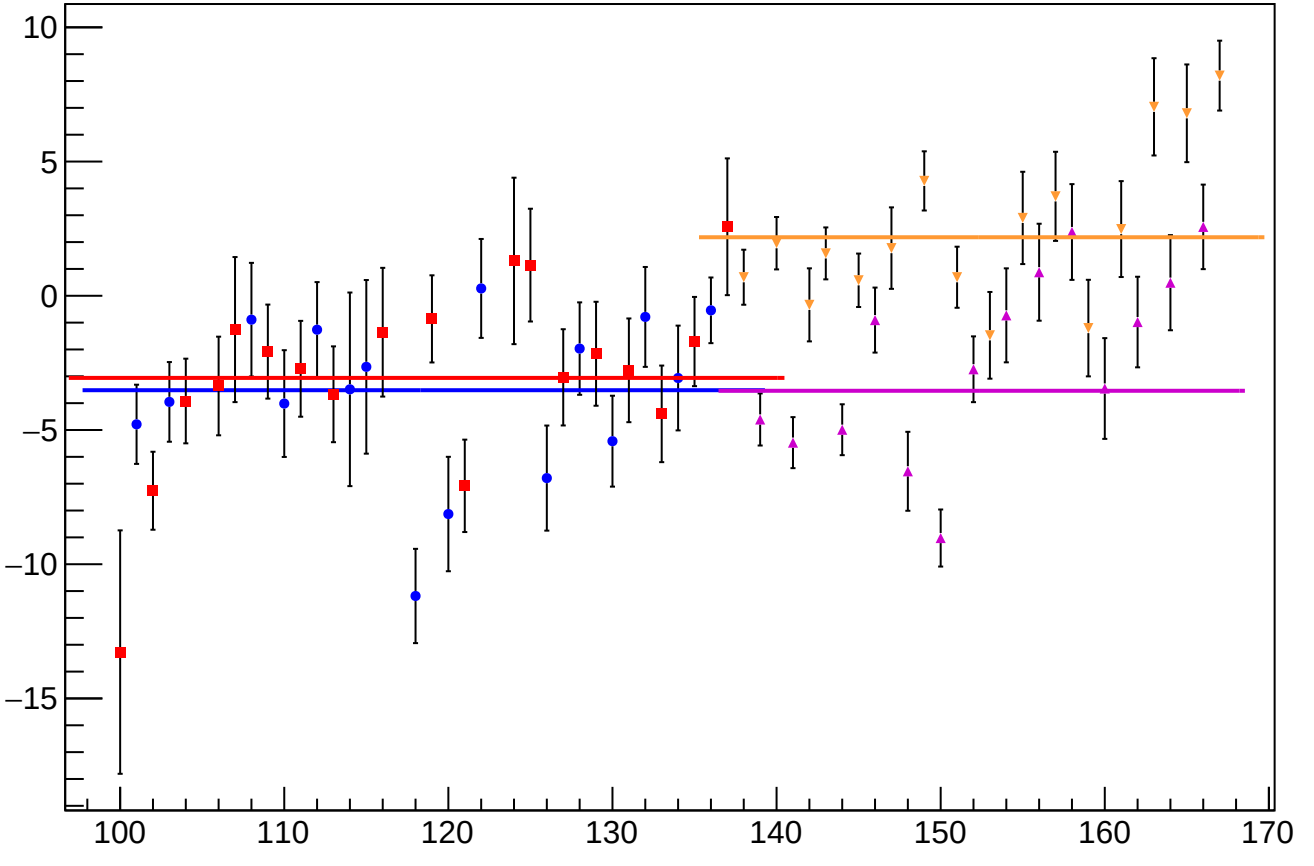
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6306.330+/-1.042 χ^2/NDF:609678.8/29

Out: 6278.873+/-1.000 χ^2/NDF:569929.2/34

All: 6292.035+/-0.721 χ^2/NDF: 1179969.5/64

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 2.180+/-0.324 χ^2/NDF:58.7/15

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -3.539+/-0.347 χ^2/NDF:85.7/13

Left: -0.476+/-0.237 χ^2/NDF: 289.5/29

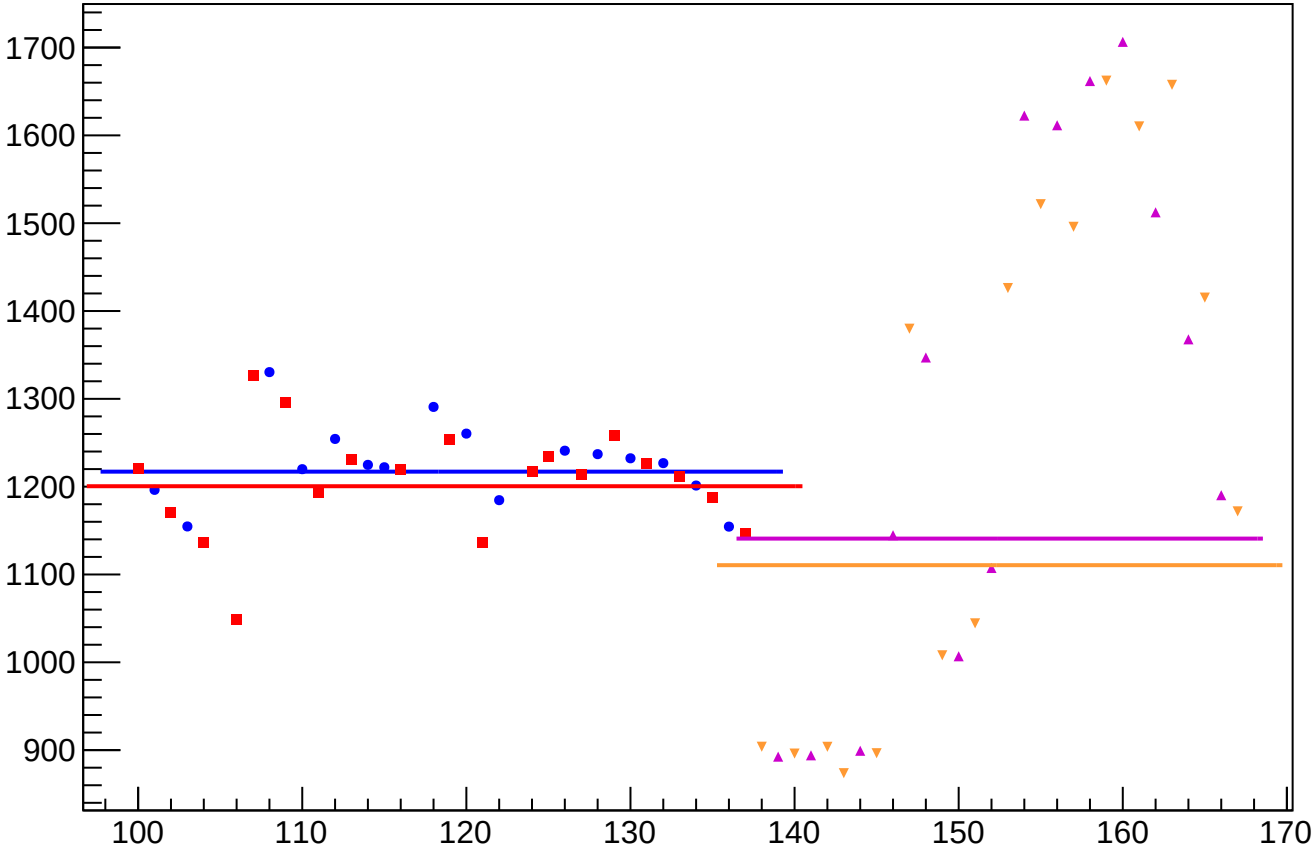
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.531+/-0.276 χ^2/NDF:130.8/29

Out: 0.332+/-0.260 χ^2/NDF:186.0/34

All: -1.489+/-0.189 χ^2/NDF: 420.6/64

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1110.588+/-0.229 χ^2/NDF:1409517.1/15

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1140.858+/-0.246 χ^2/NDF:1239696.6/13

Left: 1124.644+/-0.167 χ^2/NDF: 2657342.9/29

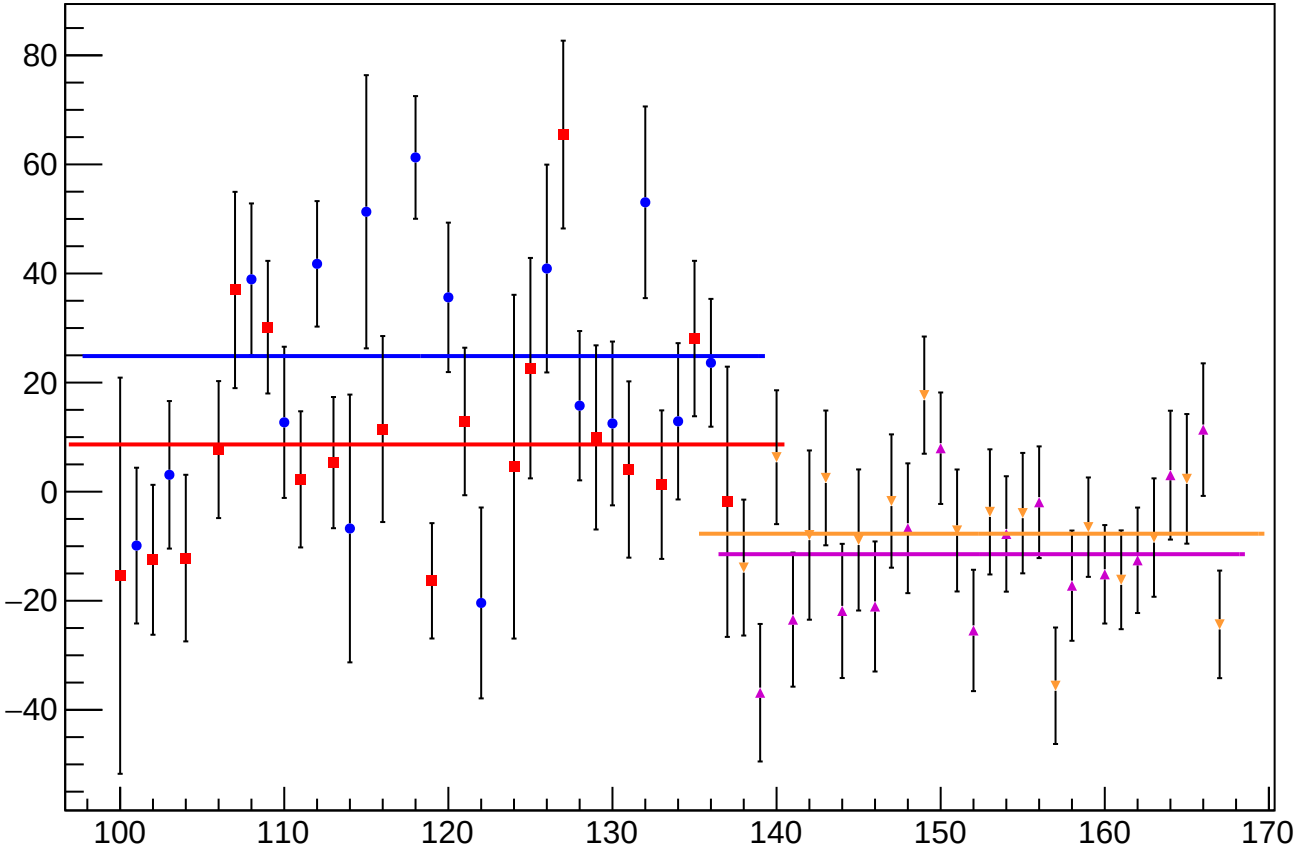
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1169.144+/-0.195 χ^2/NDF:1297103.6/29

Out: 1142.296+/-0.184 χ^2/NDF:1501638.8/34

All: 1154.956+/-0.134 χ^2/NDF: 2808774.7/64

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -7.708+/-2.797 χ^2/NDF:19.6/15

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -11.462+/-2.930 χ^2/NDF:18.3/13

Left: -9.498+/-2.023 χ^2/NDF: 38.7/29

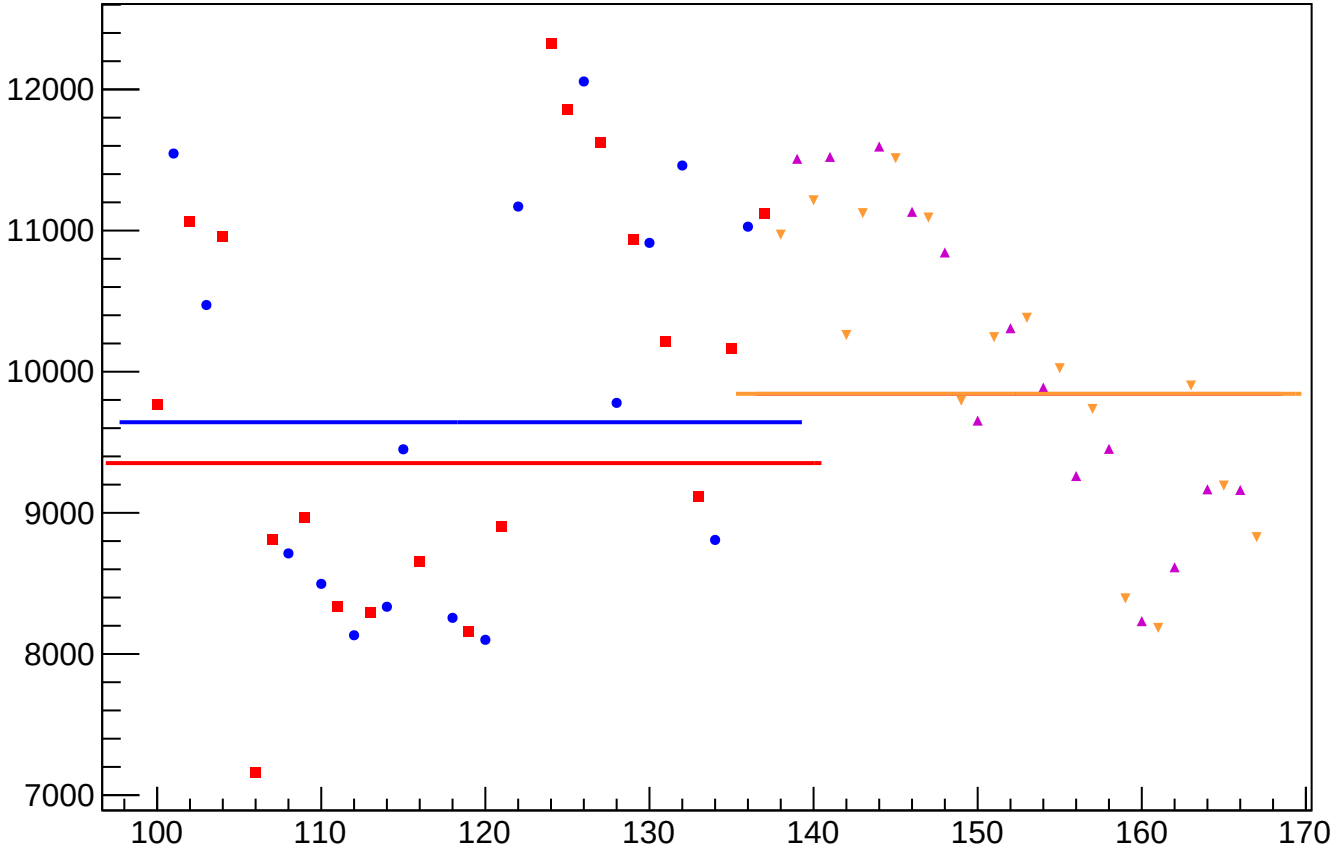
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 2.879+/-2.280 χ^2/NDF:117.1/29

Out: -1.224+/-2.174 χ^2/NDF:63.3/34

All: 0.730+/-1.573 χ^2/NDF: 182.0/64

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9843.573+/-1.978 χ^2/NDF:271120.5/15

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9842.584+/-2.072 χ^2/NDF:272813.9/13

Left: 9843.101+/-1.431 χ^2/NDF: 543934.5/29

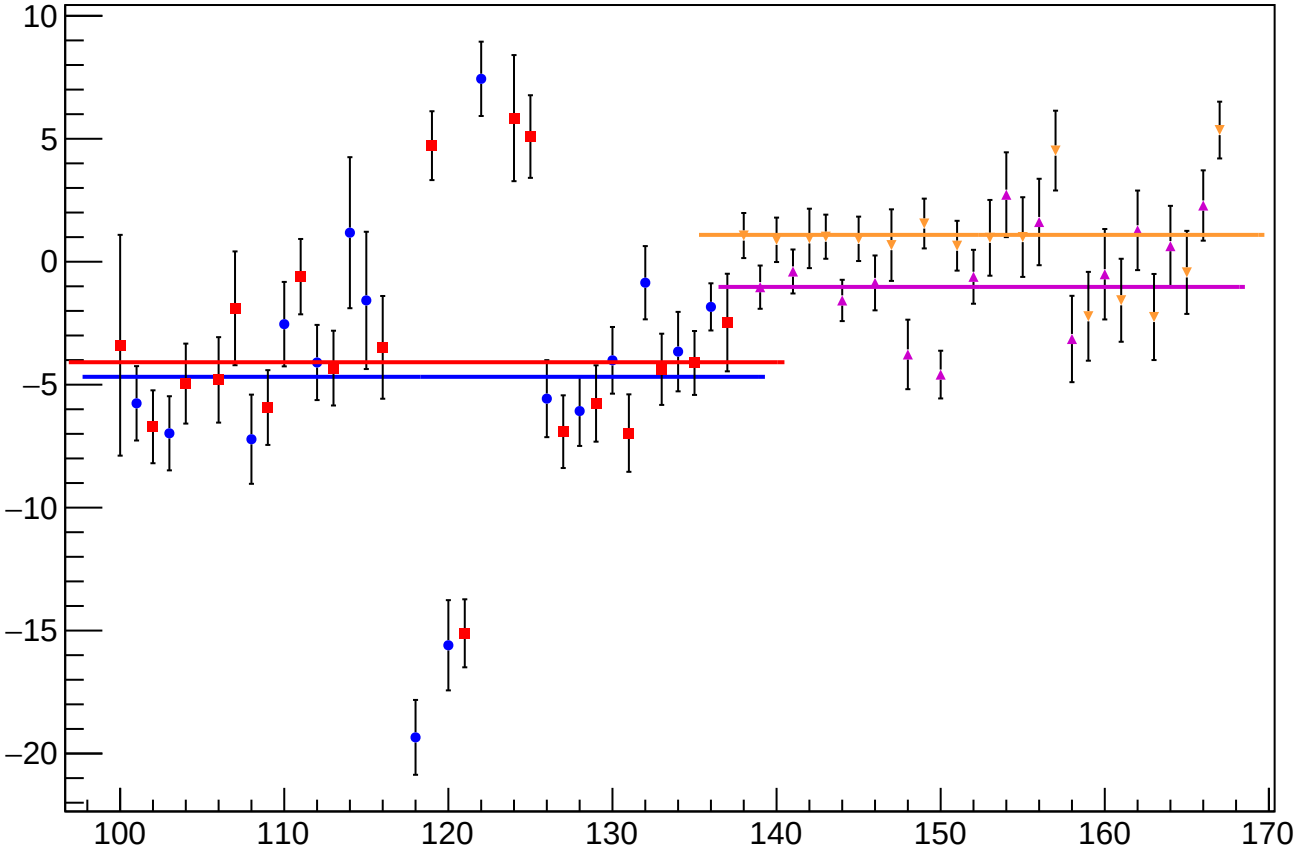
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9763.415+/-1.612 χ^2/NDF:556168.3/29

Out: 9649.027+/-1.537 χ^2/NDF:597315.2/34

All: 9703.504+/-1.112 χ^2/NDF: 1156120.9/64

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.092+/-0.298 χ^2/NDF:29.0/15

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.024+/-0.321 χ^2/NDF:35.3/13

Left: 0.113+/-0.219 χ^2/NDF: 87.6/29

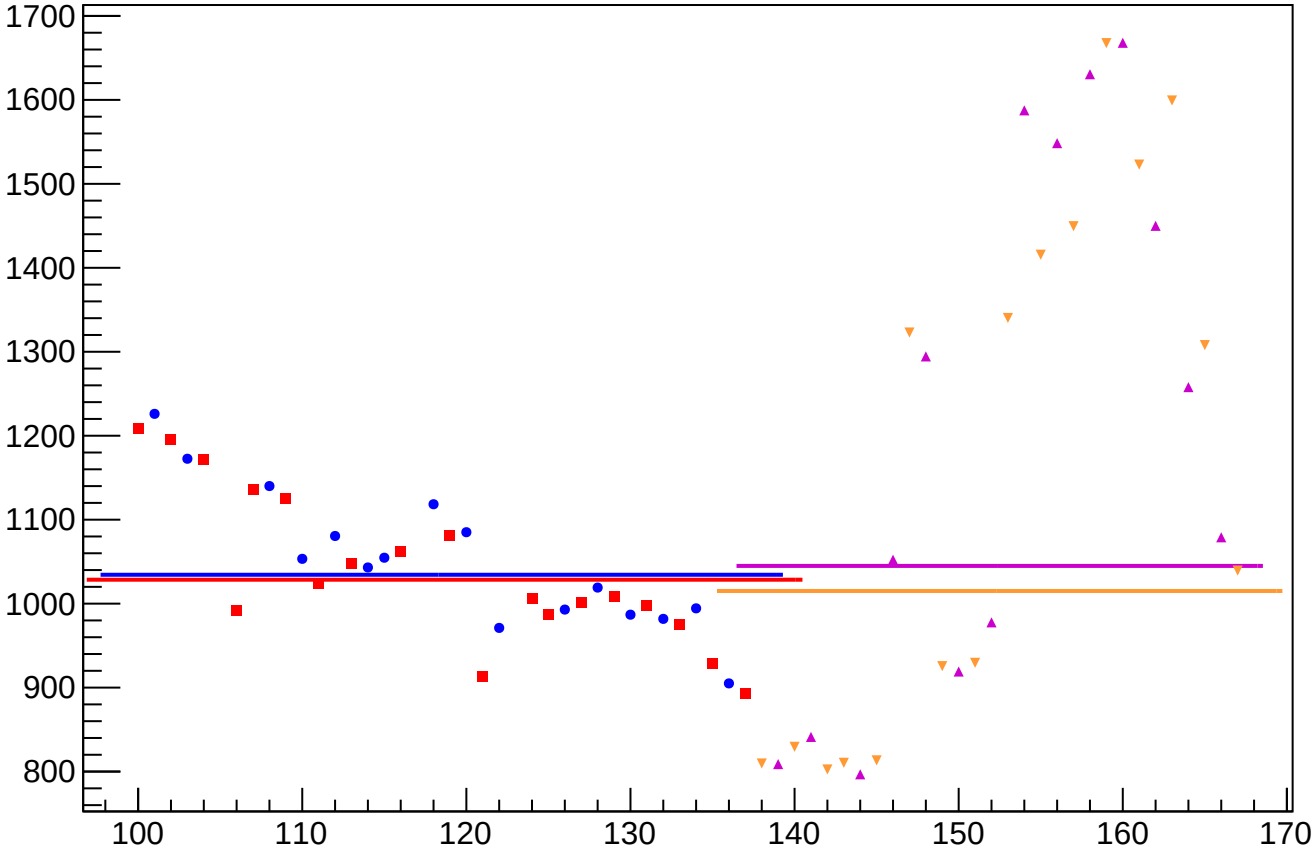
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.522+/-0.247 χ^2/NDF:309.5/29

Out: -0.904+/-0.234 χ^2/NDF:313.4/34

All: -1.668+/-0.170 χ^2/NDF: 645.6/64

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1015.079+/-0.211 χ^2/NDF:1650907.5/15

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1044.939+/-0.227 χ^2/NDF:1500845.8/13

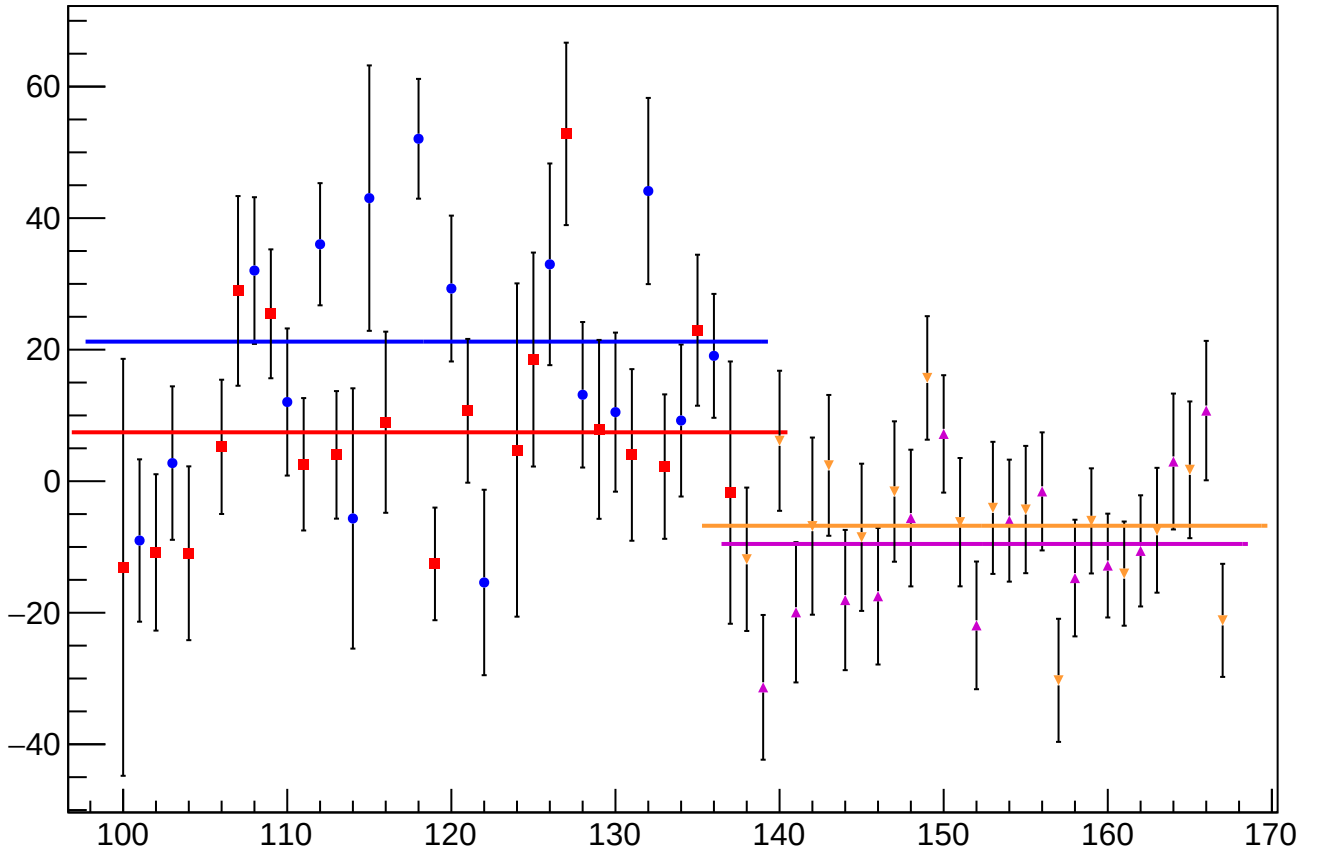
Left: 1028.886+/-0.155 χ^2/NDF: 3161036.7/29

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1040.623+/-0.175 χ^2/NDF:1615005.2/29

Out: 1020.251+/-0.165 χ^2/NDF:1754095.4/34

All: 1029.875+/-0.120 χ^2/NDF: 3376283.1/64



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -6.773+/-2.443 χ^2/NDF:19.2/15

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -9.541+/-2.560 χ^2/NDF:18.0/13

Left: -8.093+/-1.767 χ^2/NDF: 37.8/29

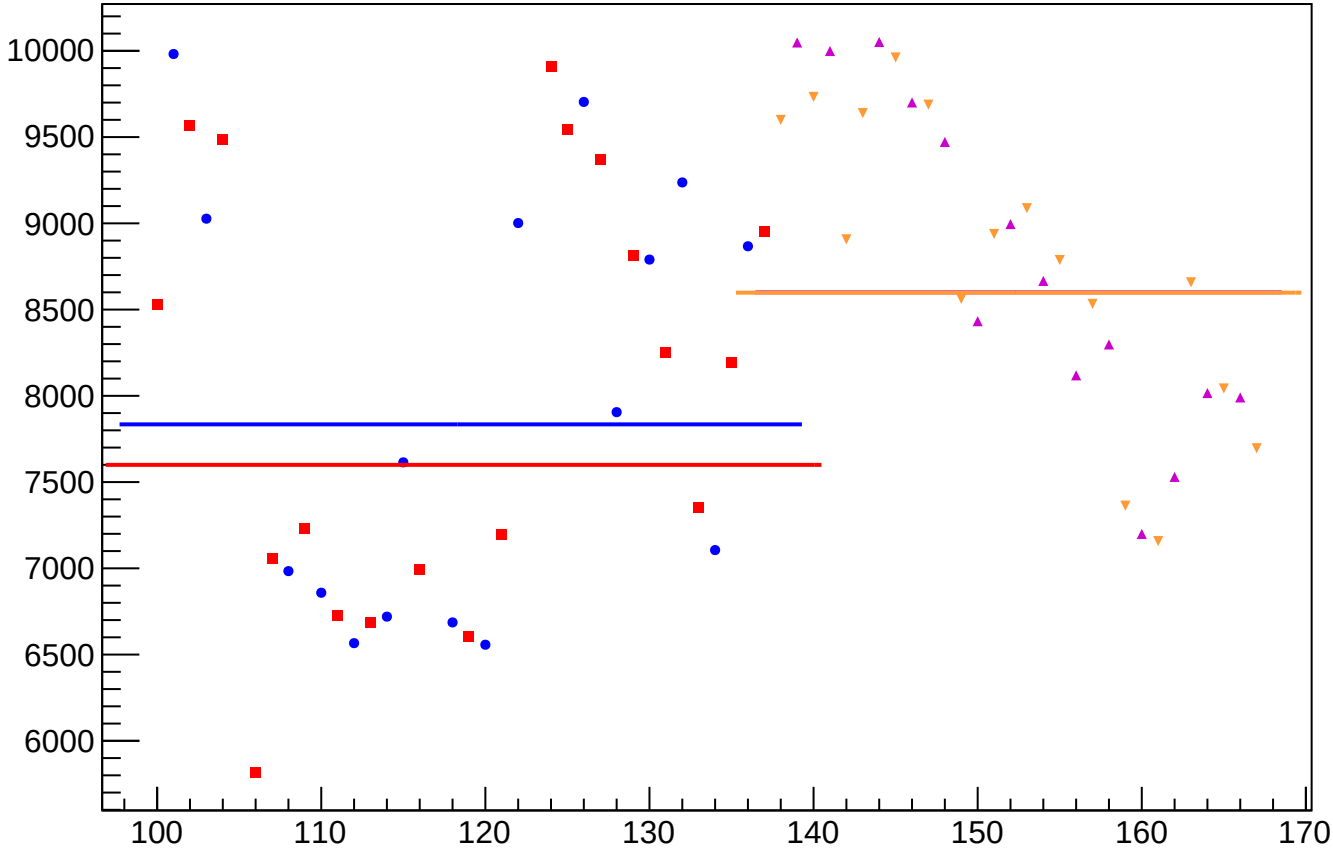
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 3.663+/-1.934 χ^2/NDF:120.1/29

Out: -0.658+/-1.844 χ^2/NDF:63.6/34

All: 1.399+/-1.334 χ^2/NDF: 186.2/64

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8598.119+/-1.727 χ^2/NDF:259859.9/15

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8600.086+/-1.810 χ^2/NDF:262919.6/13

Left: 8599.057+/-1.250 χ^2/NDF: 522780.2/29

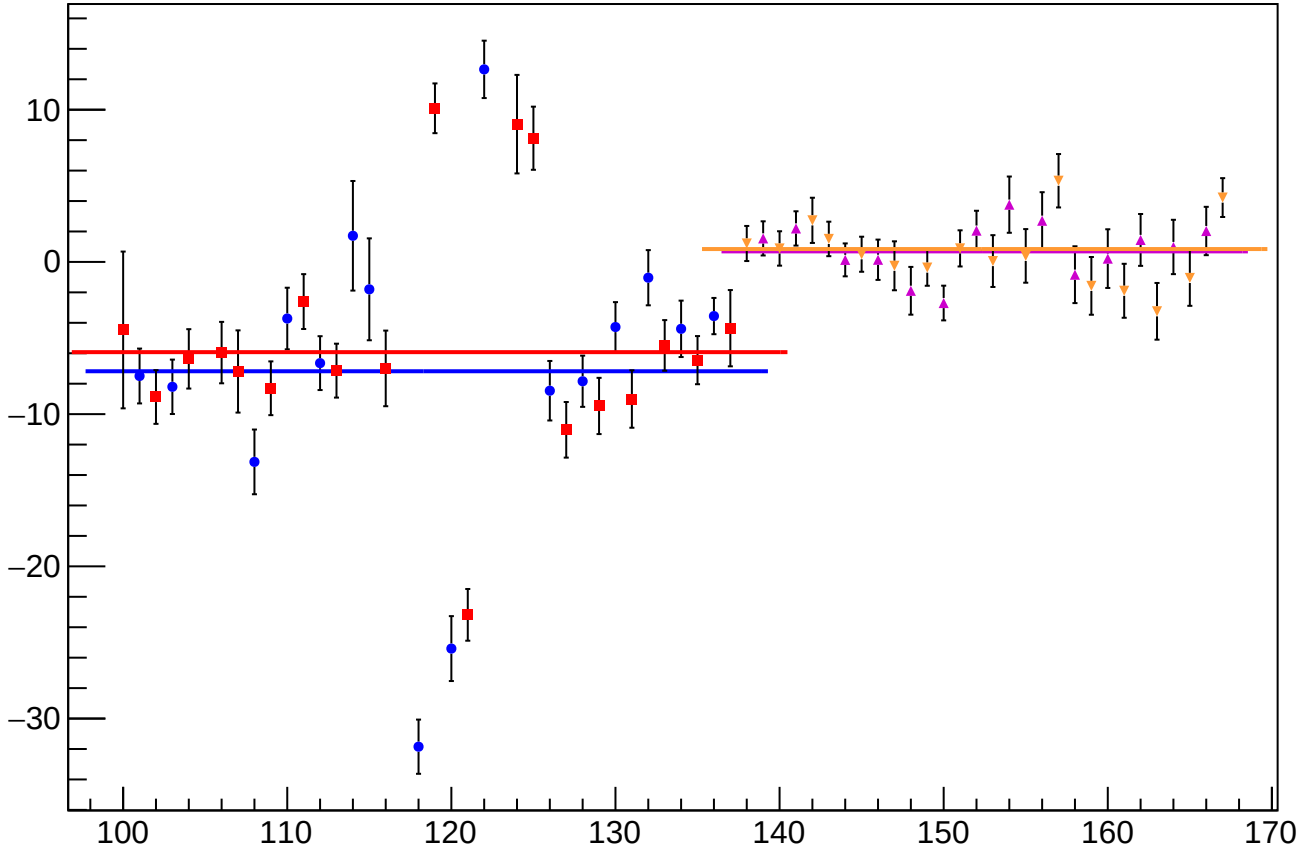
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8271.537+/-1.367 χ^2/NDF:657778.1/29

Out: 8168.427+/-1.304 χ^2/NDF:747931.2/34

All: 8217.522+/-0.944 χ^2/NDF: 1408687.7/64

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.846+/-0.351 χ^2/NDF:27.4/15

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.693+/-0.379 χ^2/NDF:21.1/13

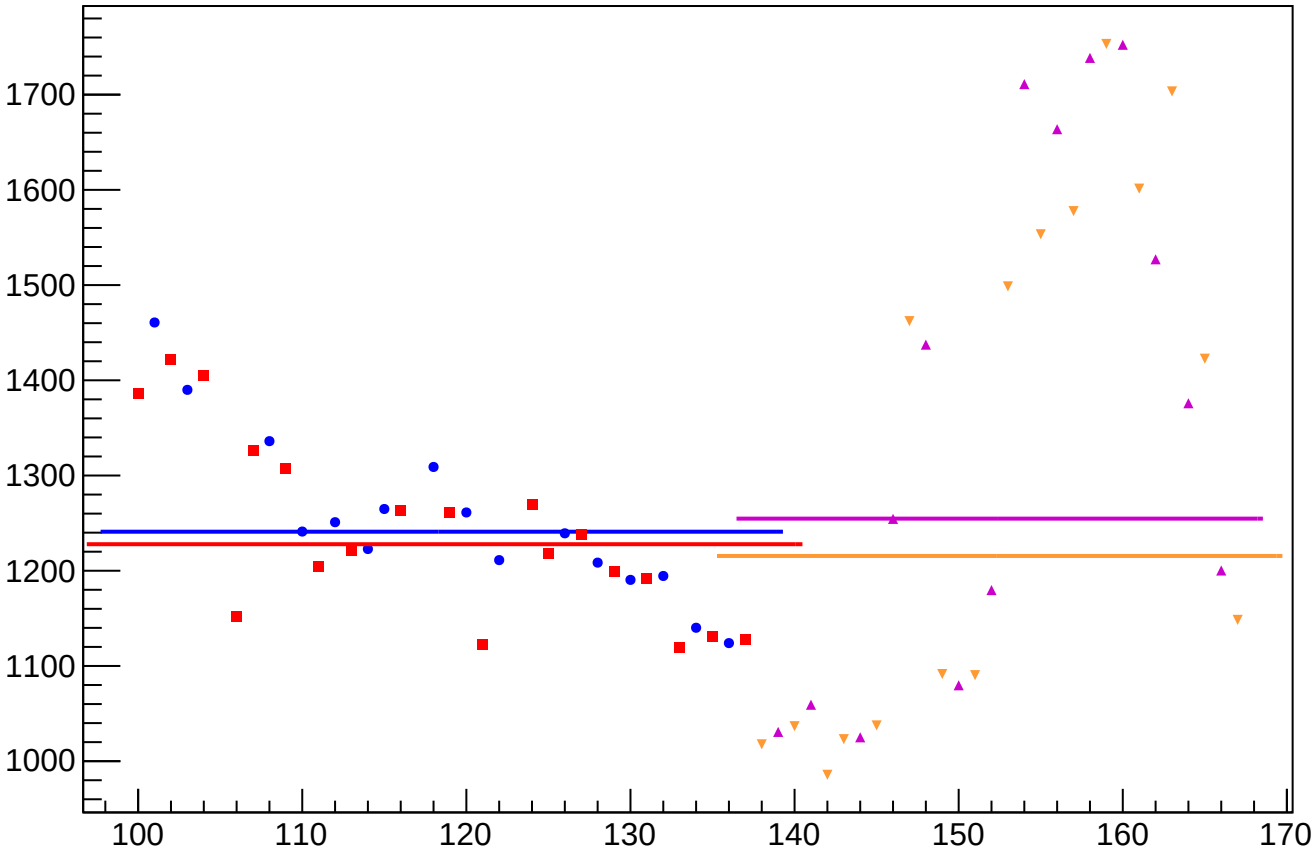
Left: 0.775+/-0.258 χ^2/NDF: 48.6/29

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -2.473+/-0.293 χ^2/NDF:616.8/29

Out: -1.724+/-0.277 χ^2/NDF:458.9/34

All: -2.077+/-0.201 χ^2/NDF: 1079.2/64



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1215.519+/-0.248 χ^2/NDF:991028.9/15

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1254.731+/-0.268 χ^2/NDF:858534.4/13

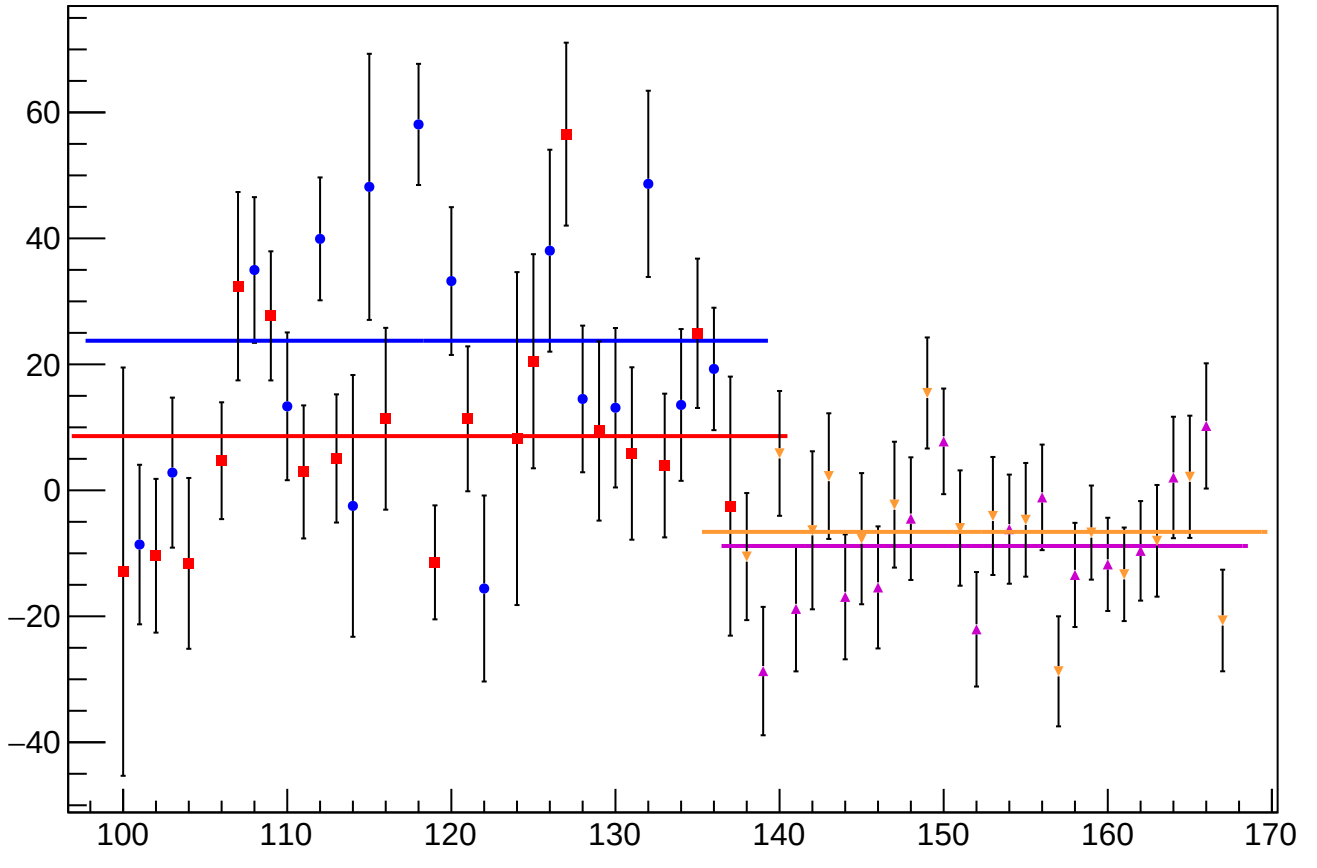
Left: 1233.631+/-0.182 χ^2/NDF: 1861081.4/29

Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1249.215+/-0.207 χ^2/NDF:940241.9/29

Out: 1220.202+/-0.196 χ^2/NDF:1074305.8/34

All: 1233.870+/-0.142 χ^2/NDF: 2024910.0/64



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -6.597+/-2.282 χ^2/NDF:20.2/15

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -8.835+/-2.392 χ^2/NDF:18.5/13

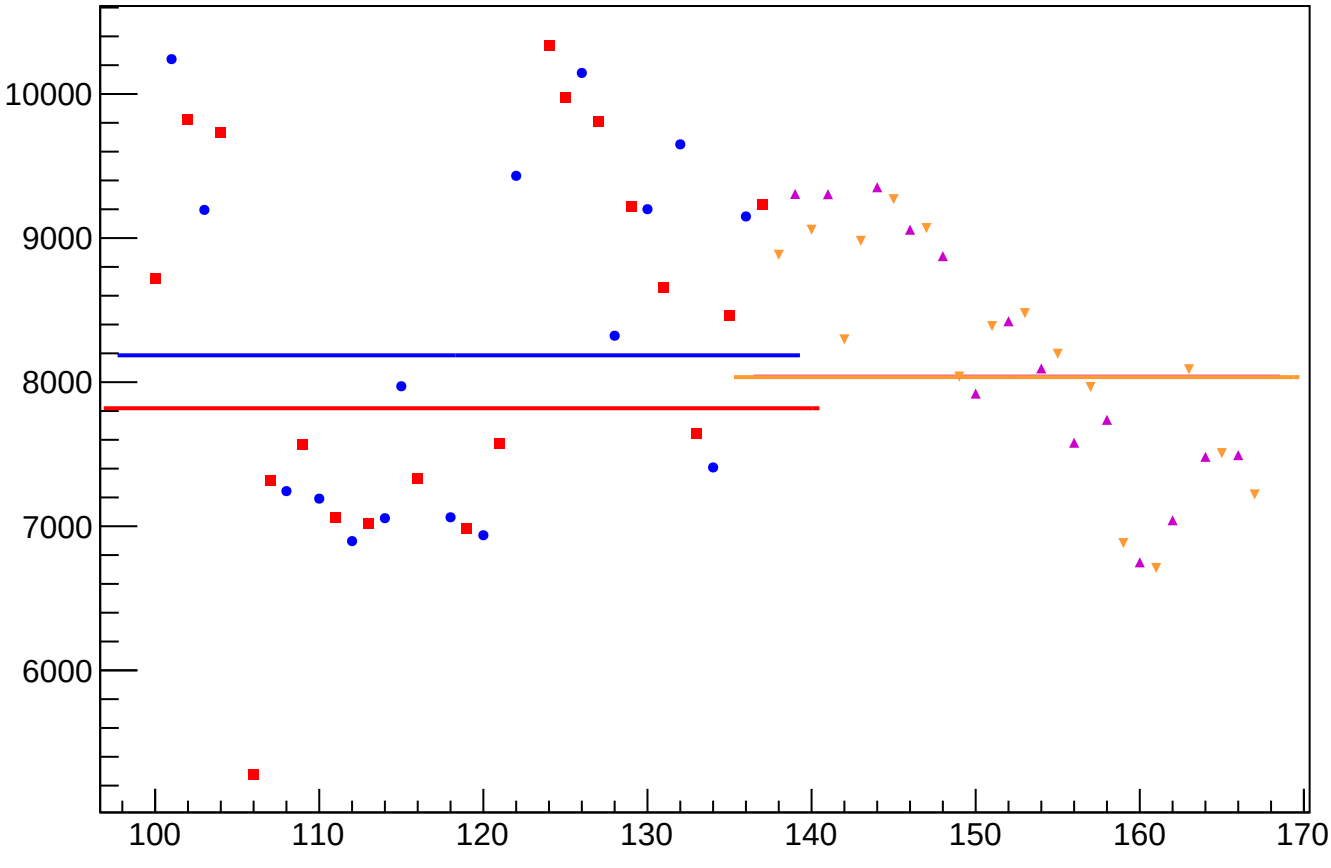
Left: -7.664+/-1.651 χ^2/NDF: 39.2/29

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 3.415+/-1.889 χ^2/NDF:131.7/29

Out: -0.778+/-1.793 χ^2/NDF:67.7/34

All: 1.209+/-1.301 χ^2/NDF: 202.0/64



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8035.042+/-1.614 χ^2/NDF:249680.0/15

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8038.161+/-1.691 χ^2/NDF:253358.6/13

Left: 8036.529+/-1.168 χ^2/NDF: 503040.4/29

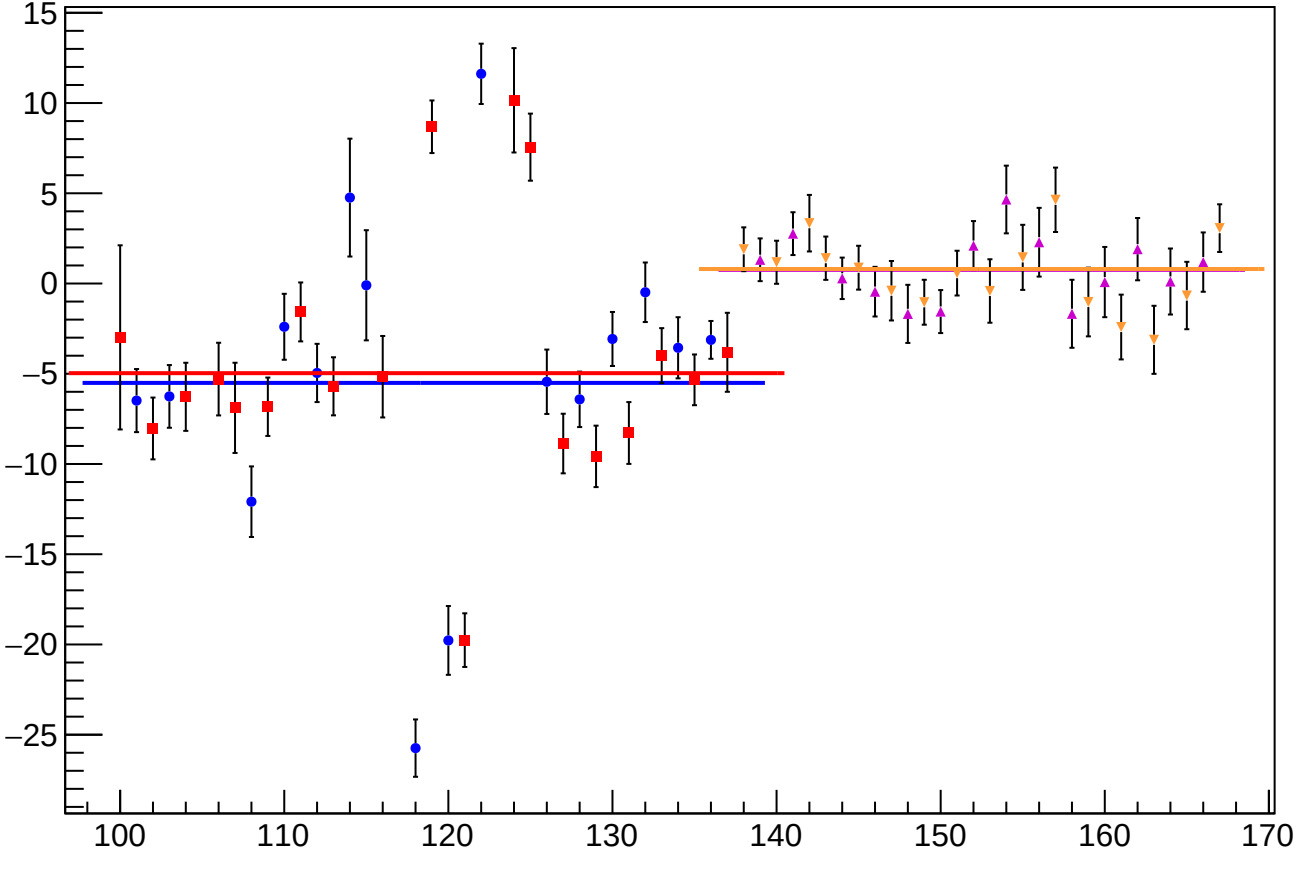
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8093.878+/-1.336 χ^2/NDF:546874.4/29

Out: 7952.364+/-1.268 χ^2/NDF:679537.6/34

All: 8019.429+/-0.920 χ^2/NDF: 1232314.6/64

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.804+/-0.365 χ^2/NDF:23.8/15

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.757+/-0.394 χ^2/NDF:18.4/13

Left: 0.782+/-0.268 χ^2/NDF: 42.2/29

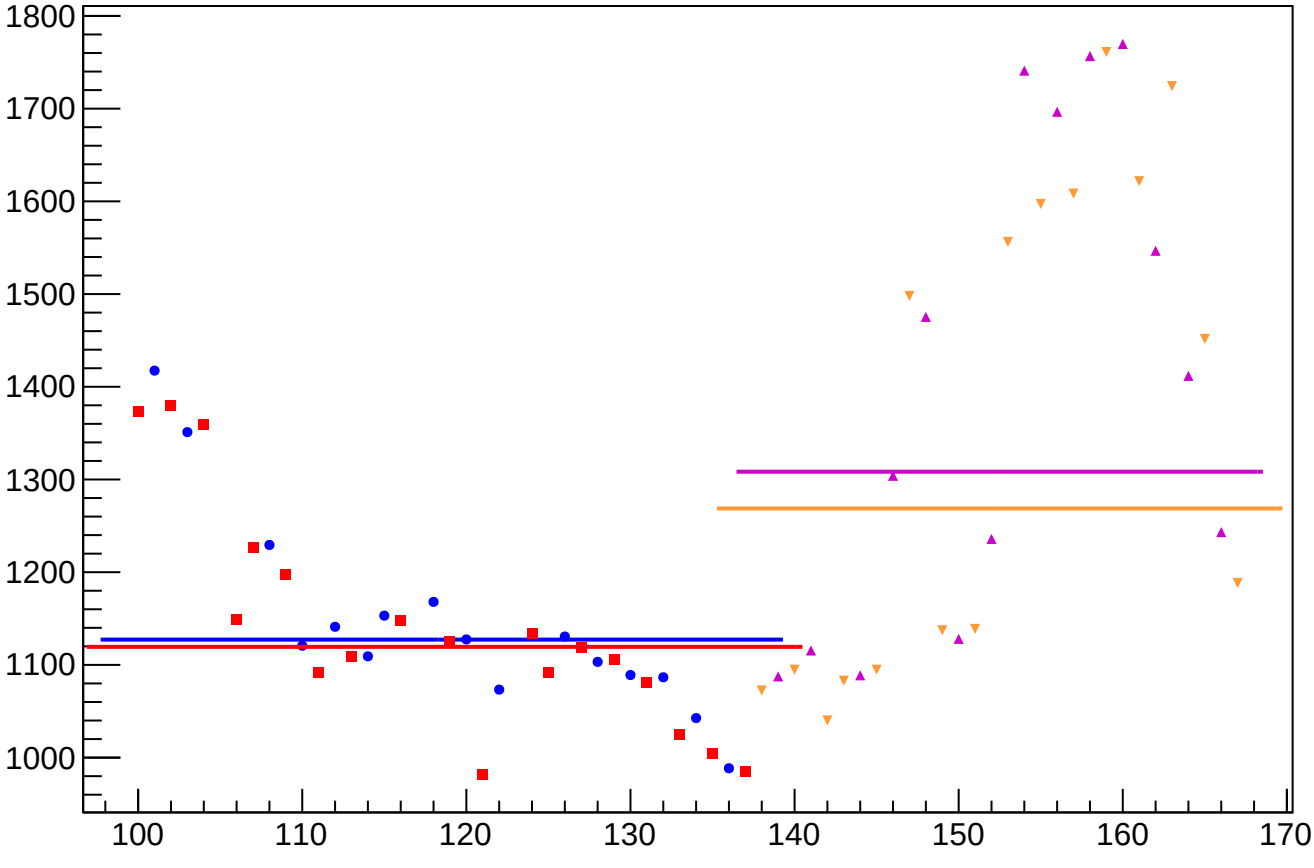
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.166+/-0.288 χ^2/NDF:506.3/29

Out: -1.747+/-0.273 χ^2/NDF:421.5/34

All: -1.946+/-0.198 χ^2/NDF: 928.9/64

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1268.749+/-0.258 χ^2/NDF:855961.9/15

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1308.380+/-0.278 χ^2/NDF:731402.4/13

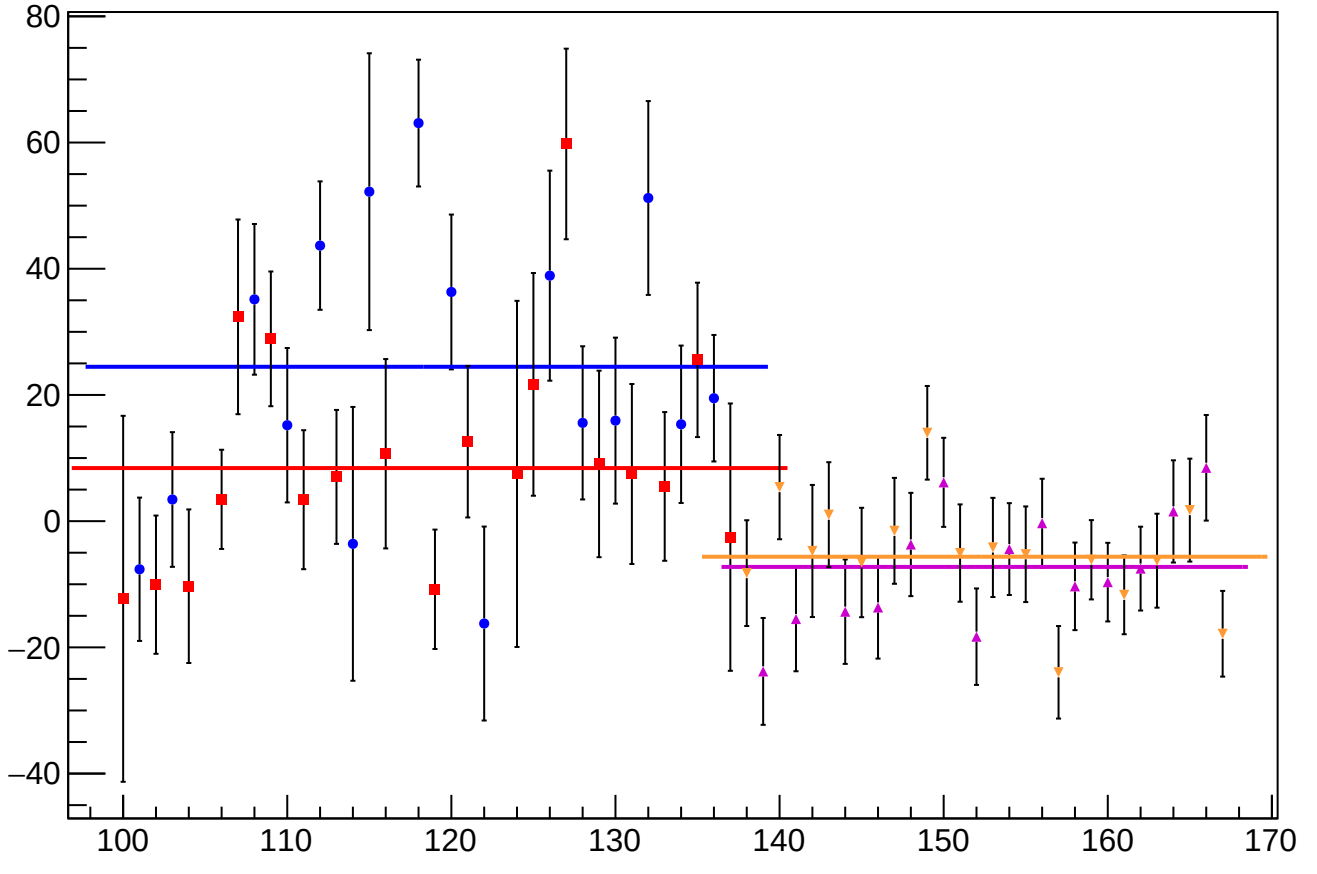
Left: 1287.077+/-0.189 χ^2/NDF: 1598256.8/29

Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1223.865+/-0.203 χ^2/NDF:1069482.4/29

Out: 1202.770+/-0.193 χ^2/NDF:1144392.6/34

All: 1212.764+/-0.140 χ^2/NDF: 2219540.5/64



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -5.637+/-1.914 χ^2/NDF:21.1/15

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -7.252+/-2.007 χ^2/NDF:18.2/13

Left: -6.407+/-1.385 χ^2/NDF: 39.6/29

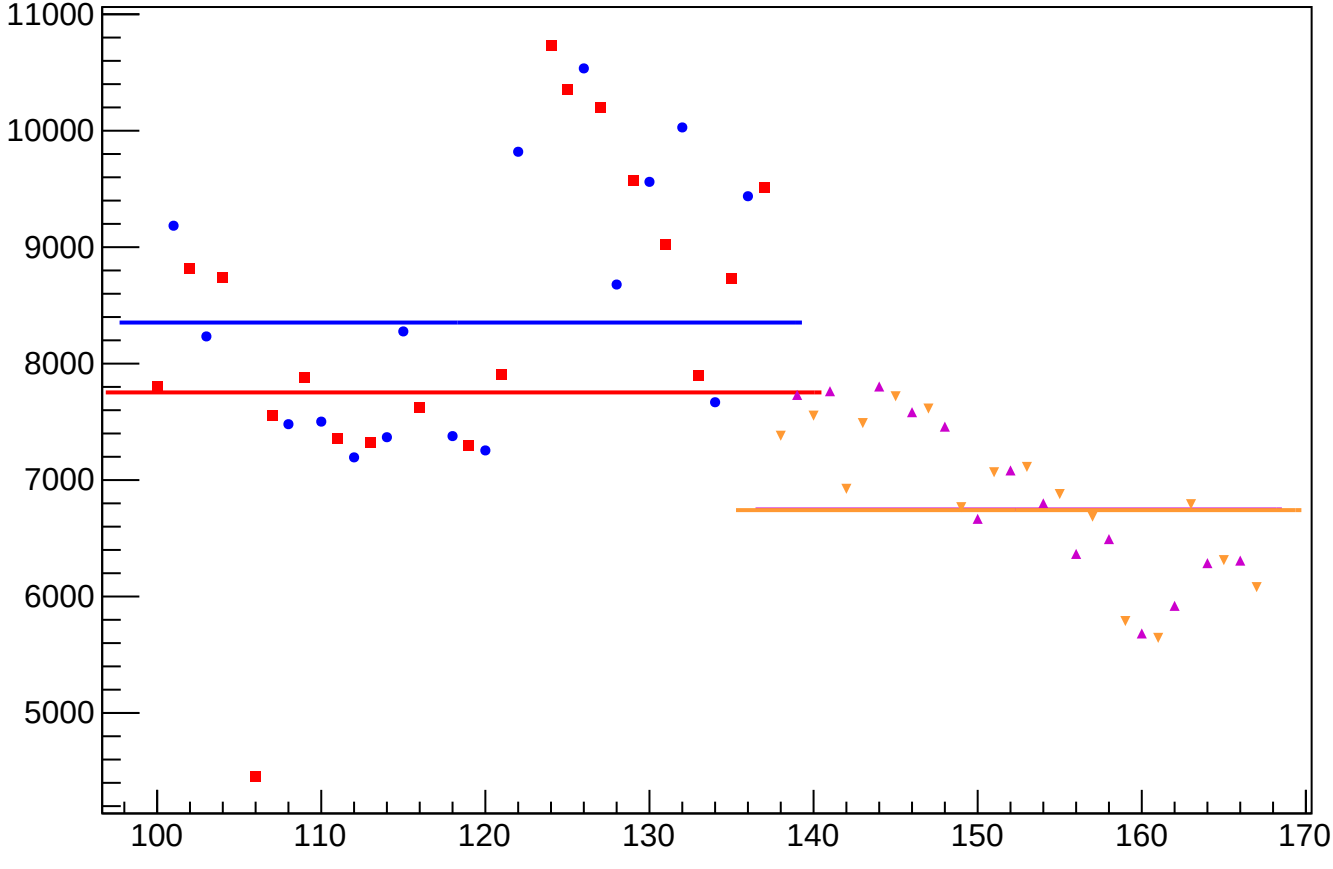
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 1.962+/-1.690 χ^2/NDF:139.1/29

Out: -1.355+/-1.596 χ^2/NDF:68.6/34

All: 0.209+/-1.161 χ^2/NDF: 209.8/64

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6741.913+/-1.354 χ^2/NDF:235792.0/15

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6747.426+/-1.419 χ^2/NDF:240209.6/13

Left: 6744.539+/-0.979 χ^2/NDF: 476009.5/29

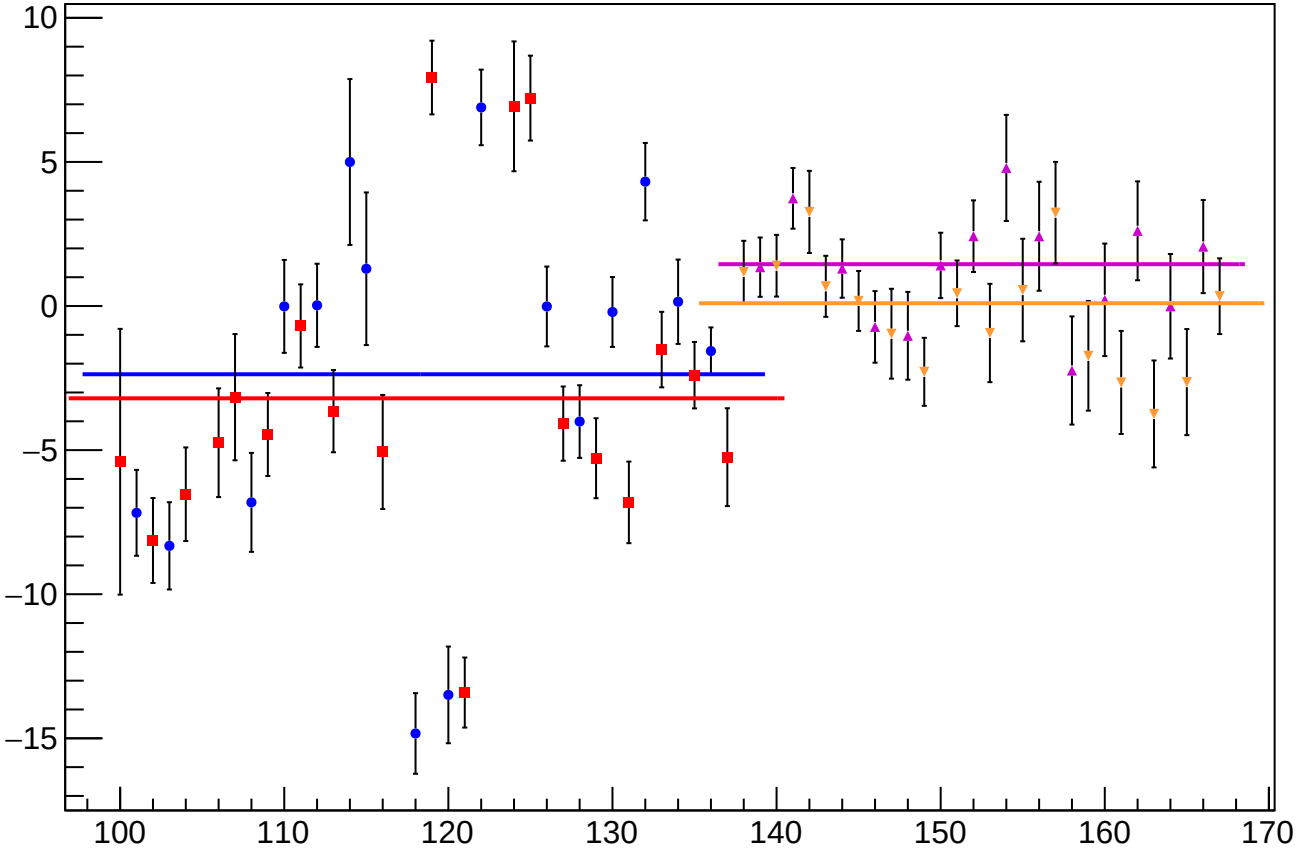
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7213.825+/-1.195 χ^2/NDF:832414.9/29

Out: 7050.011+/-1.129 χ^2/NDF:993823.4/34

All: 7127.221+/-0.821 χ^2/NDF: 1836167.9/64

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.096+/-0.340 χ^2/NDF:25.8/15

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.451+/-0.366 χ^2/NDF:20.1/13

Left: 0.723+/-0.249 χ^2/NDF: 53.3/29

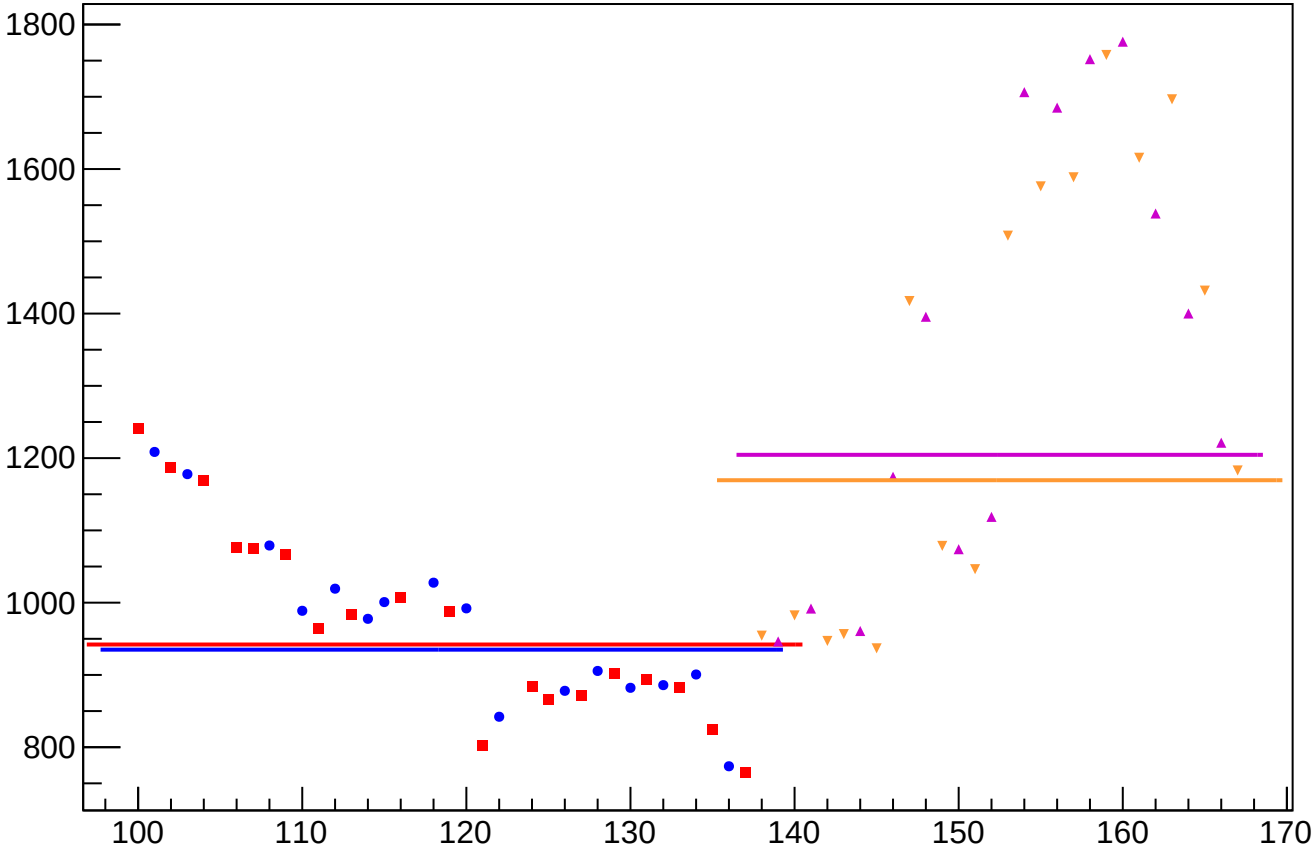
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.540+/-0.253 χ^2/NDF:332.5/29

Out: -1.520+/-0.242 χ^2/NDF:322.6/34

All: -1.051+/-0.175 χ^2/NDF: 662.9/64

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1169.422+/-0.240 χ^2/NDF:1270077.7/15

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1204.564+/-0.259 χ^2/NDF:1110494.1/13

Left: 1185.684+/-0.176 χ^2/NDF: 2390485.9/29

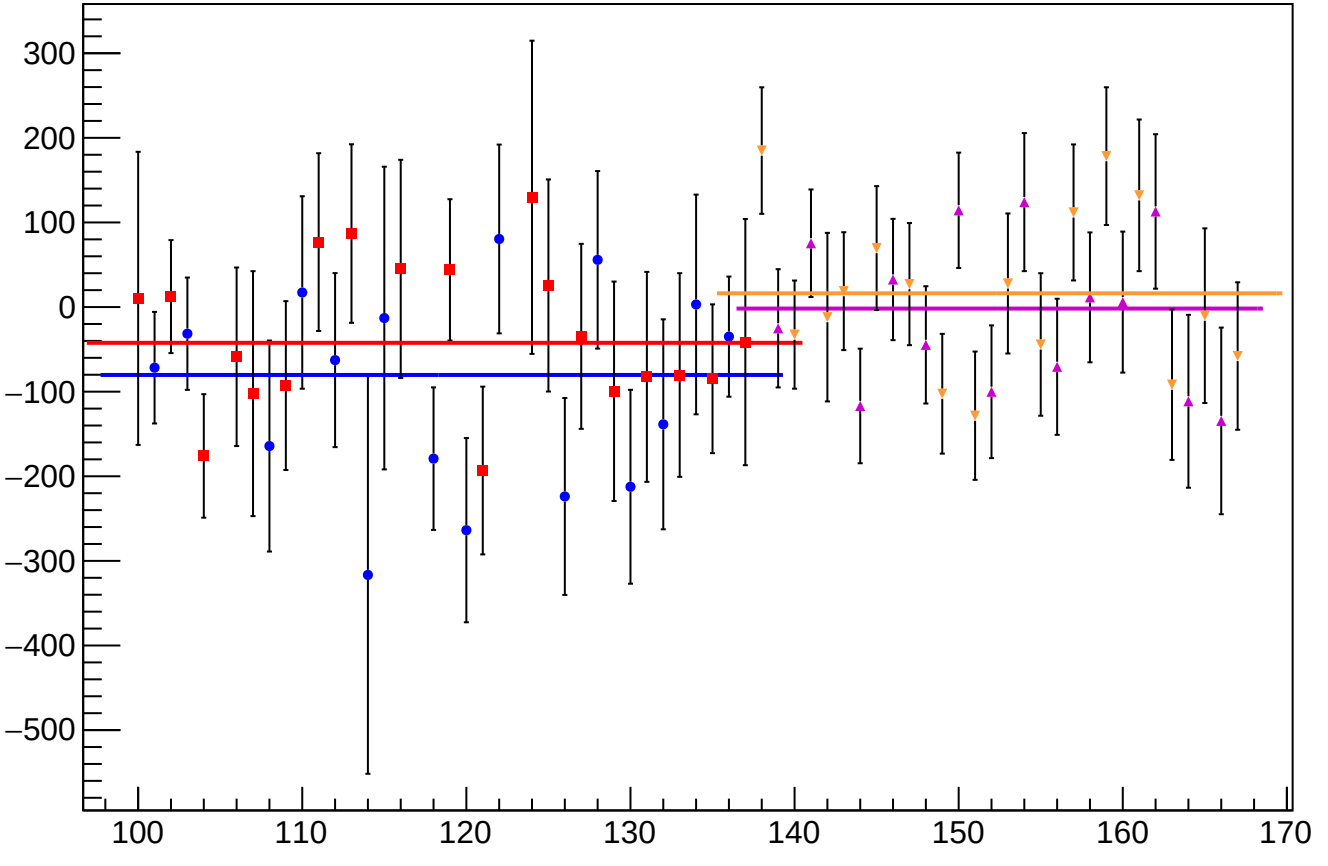
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1063.976+/-0.179 χ^2/NDF:1931193.1/29

Out: 1058.018+/-0.171 χ^2/NDF:1941840.5/34

All: 1060.870+/-0.124 χ^2/NDF: 3873611.7/64

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 16.267+/-19.795 χ^2/NDF:22.6/15

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -1.784+/-20.553 χ^2/NDF:16.9/13

Left: 7.580+/-14.257 χ^2/NDF: 39.9/29

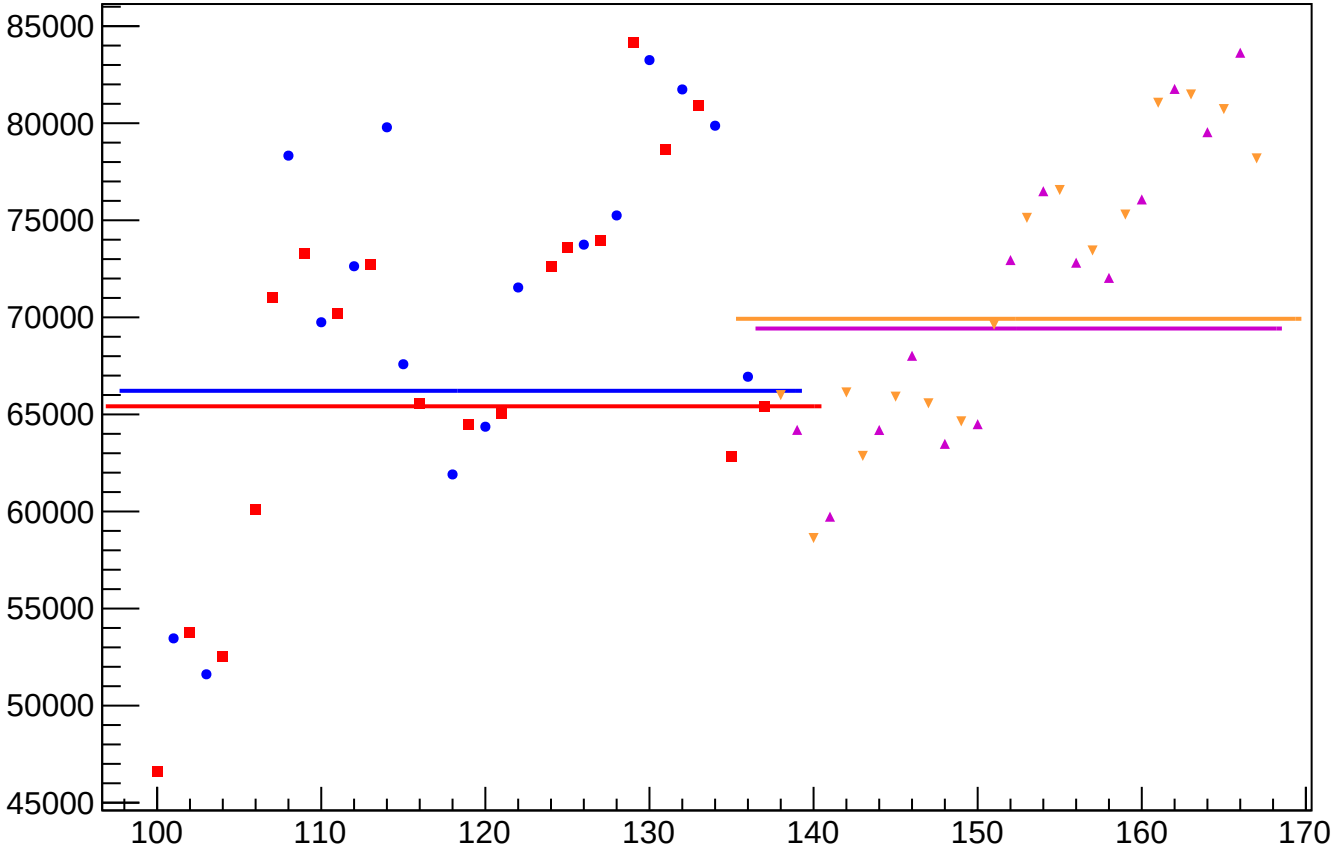
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -33.566+/-15.853 χ^2/NDF:37.6/29

Out: -7.260+/-15.308 χ^2/NDF:39.1/34

All: -19.953+/-11.012 χ^2/NDF: 78.1/64

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 69925.933+/-13.997 χ^2/NDF:253257.0/15

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 69424.766+/-14.533 χ^2/NDF:222452.5/13

Left: 69684.759+/-10.082 χ^2/NDF: 476326.4/29

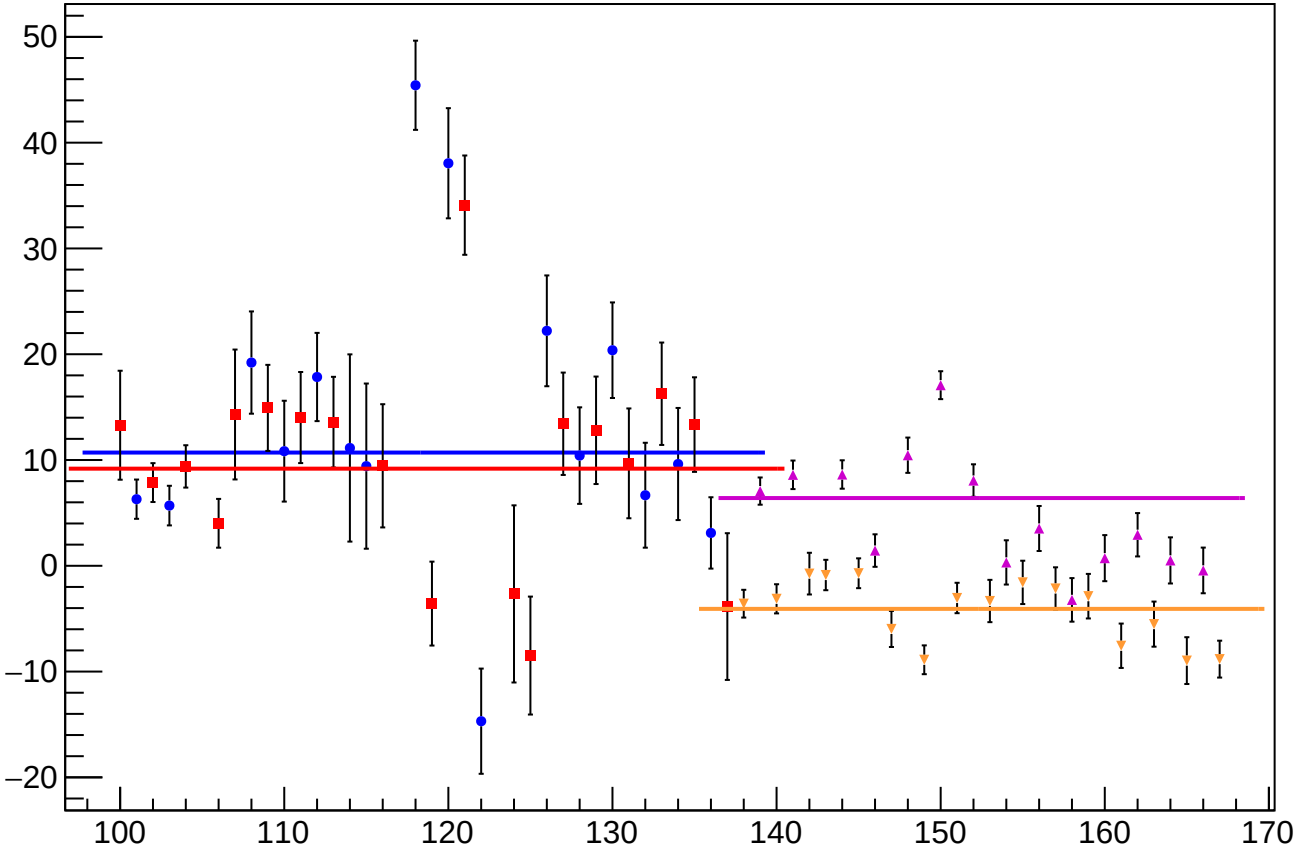
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 68125.112+/-11.210 χ^2/NDF:580574.6/29

Out: 68114.103+/-10.824 χ^2/NDF:599497.1/34

All: 68119.415+/-7.787 χ^2/NDF: 1180072.3/6

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -4.073+/-0.420 χ^2/NDF:46.8/15

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 6.403+/-0.445 χ^2/NDF:147.7/13

Left: 0.864+/-0.306 χ^2/NDF: 487.4/29

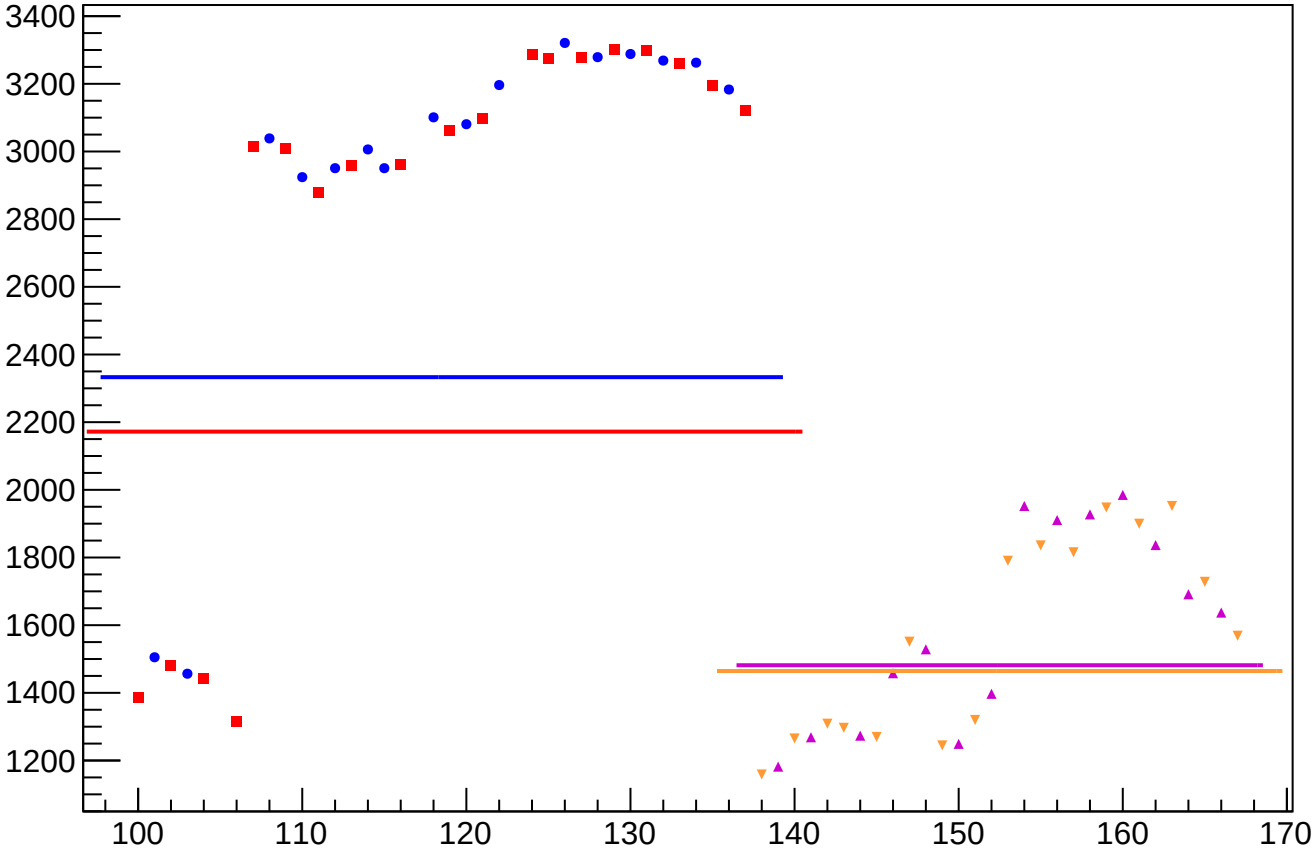
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 7.218+/-0.401 χ^2/NDF:321.0/29

Out: -1.470+/-0.377 χ^2/NDF:311.7/34

All: 2.606+/-0.274 χ^2/NDF: 882.3/64

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1464.505+/-0.297 χ^2/NDF:817824.6/15

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1481.617+/-0.315 χ^2/NDF:748615.3/13

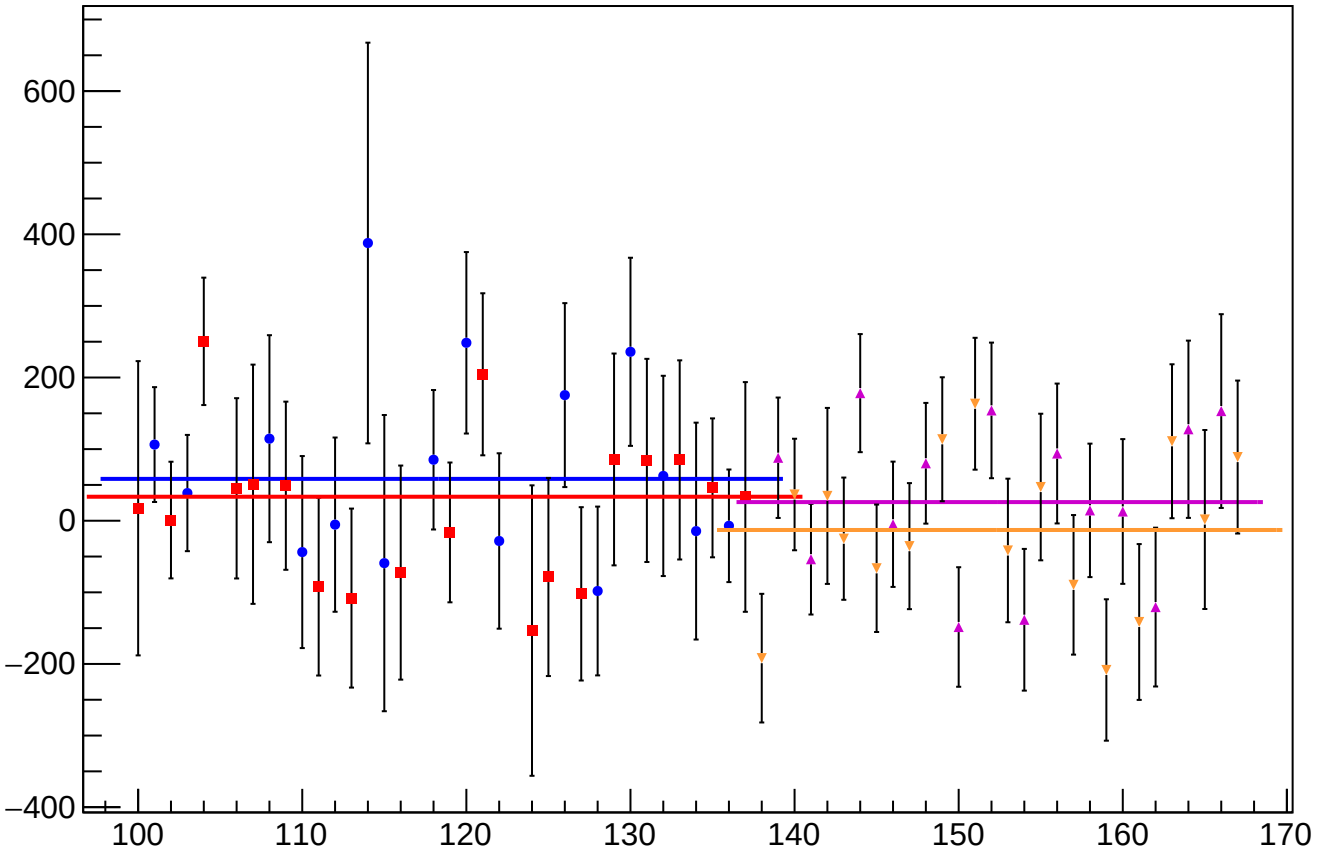
Left: 1472.570+/-0.216 χ^2/NDF: 1568002.8/29

Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1642.952+/-0.283 χ^2/NDF:3786662.2/29

Out: 1603.434+/-0.266 χ^2/NDF:3915330.4/34

All: 1621.974+/-0.194 χ^2/NDF: 7712317.7/64



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -12.922+/-24.080 χ^2/NDF:19.4/15

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 26.031+/-24.972 χ^2/NDF:18.3/13

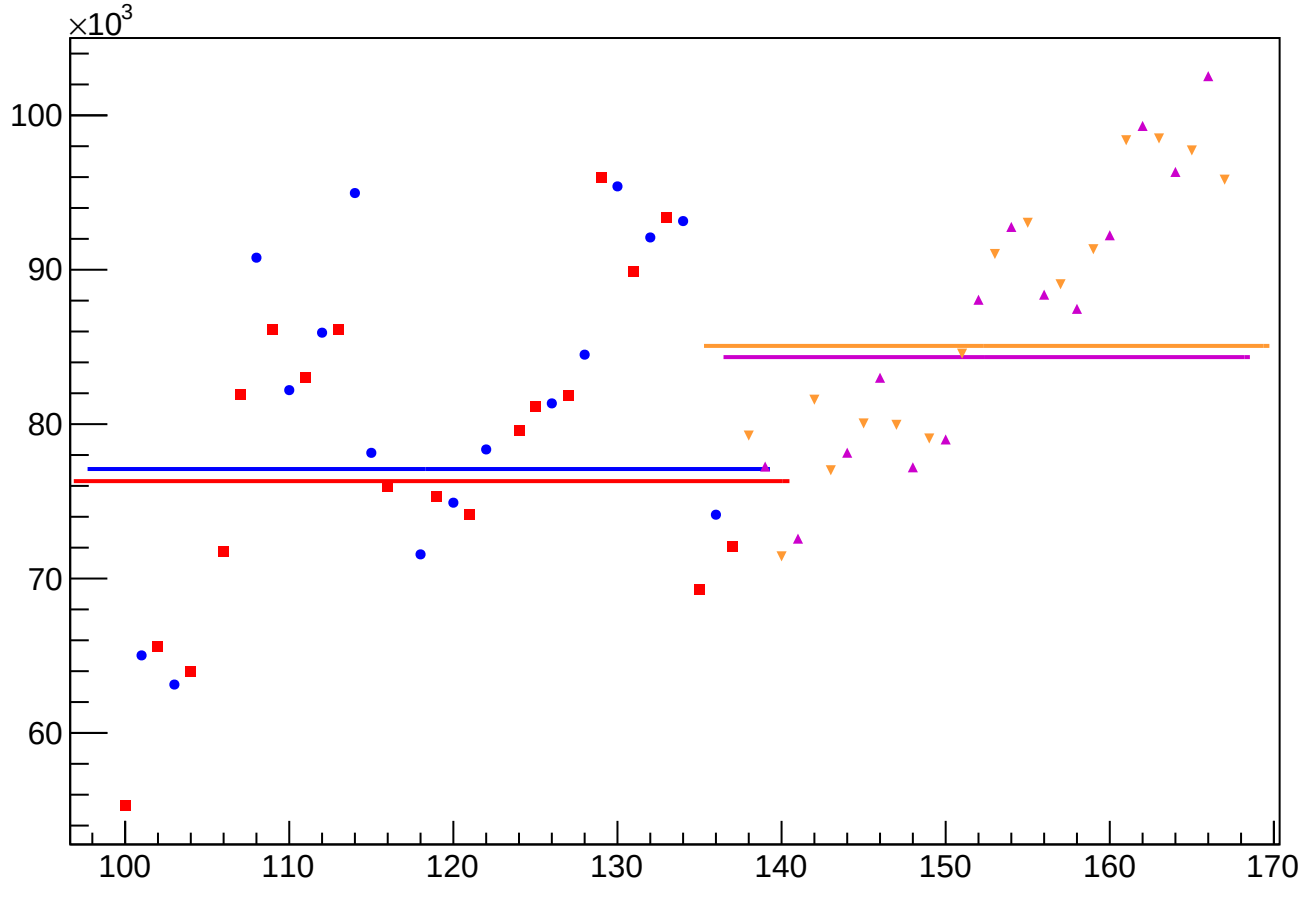
Left: 5.847+/-17.334 χ^2/NDF: 39.0/29

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 39.877+/-18.900 χ^2/NDF:30.4/29

Out: 6.738+/-18.286 χ^2/NDF:35.6/34

All: 22.761+/-13.142 χ^2/NDF: 67.6/64



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 85067.130+/-17.027 χ^2/NDF:244468.3/15

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 84341.810+/-17.658 χ^2/NDF:221636.5/13

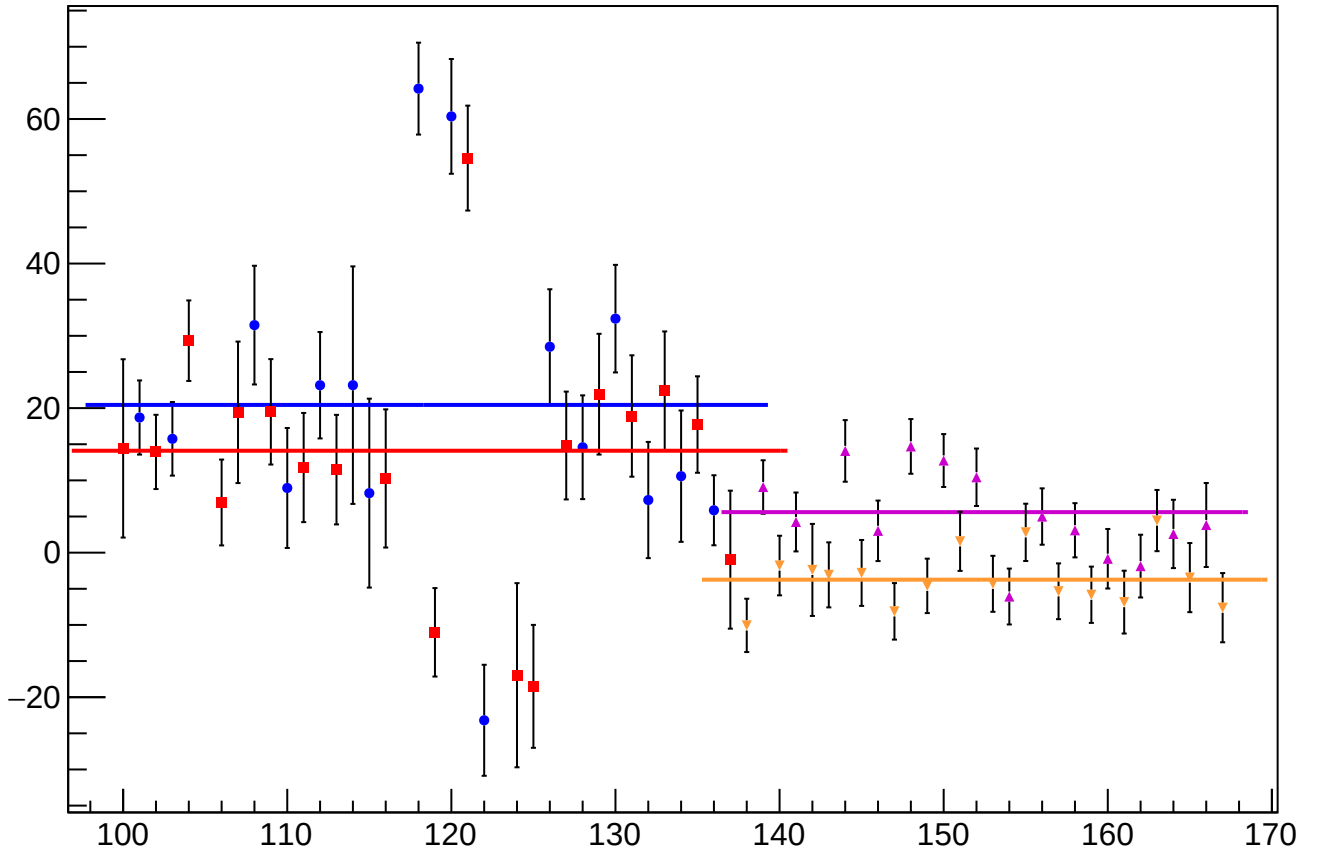
Left: 84717.645+/-12.257 χ^2/NDF: 466979.1/29

Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 81245.417+/-13.364 χ^2/NDF:542166.0/29

Out: 81359.497+/-12.930 χ^2/NDF:590904.5/34

All: 81304.339+/-9.293 χ^2/NDF: 1133108.2/6



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.739+/-1.049 χ^2/NDF:14.4/15

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 5.607+/-1.089 χ^2/NDF:31.9/13

Left: 0.757+/-0.755 χ^2/NDF: 84.5/29

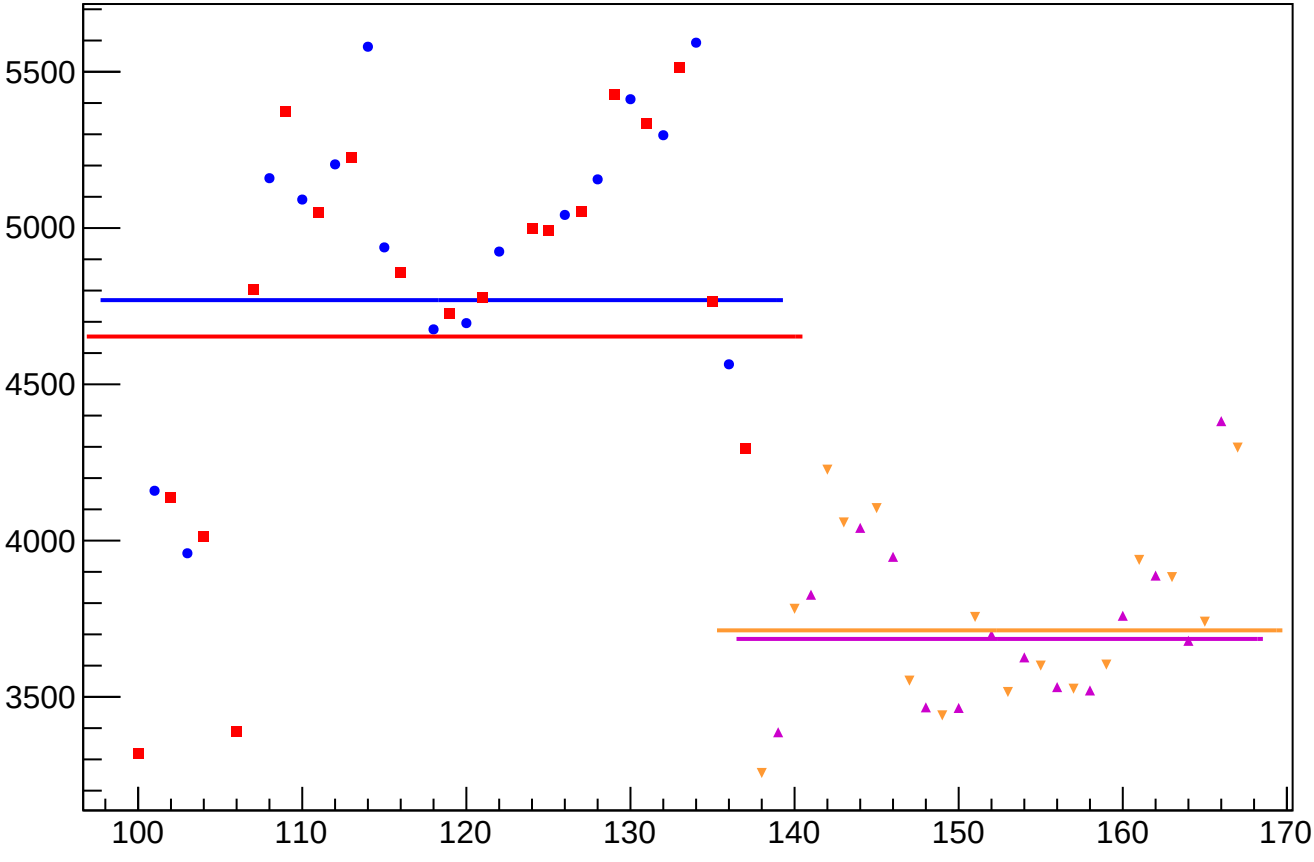
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 9.640+/-0.929 χ^2/NDF:210.2/29

Out: 1.121+/-0.894 χ^2/NDF:177.0/34

All: 5.218+/-0.644 χ^2/NDF: 430.8/64

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3712.855+/-0.741 χ^2/NDF:136279.1/15

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3685.427+/-0.770 χ^2/NDF:92419.3/13

Left: 3699.660+/-0.534 χ^2/NDF: 229356.8/29

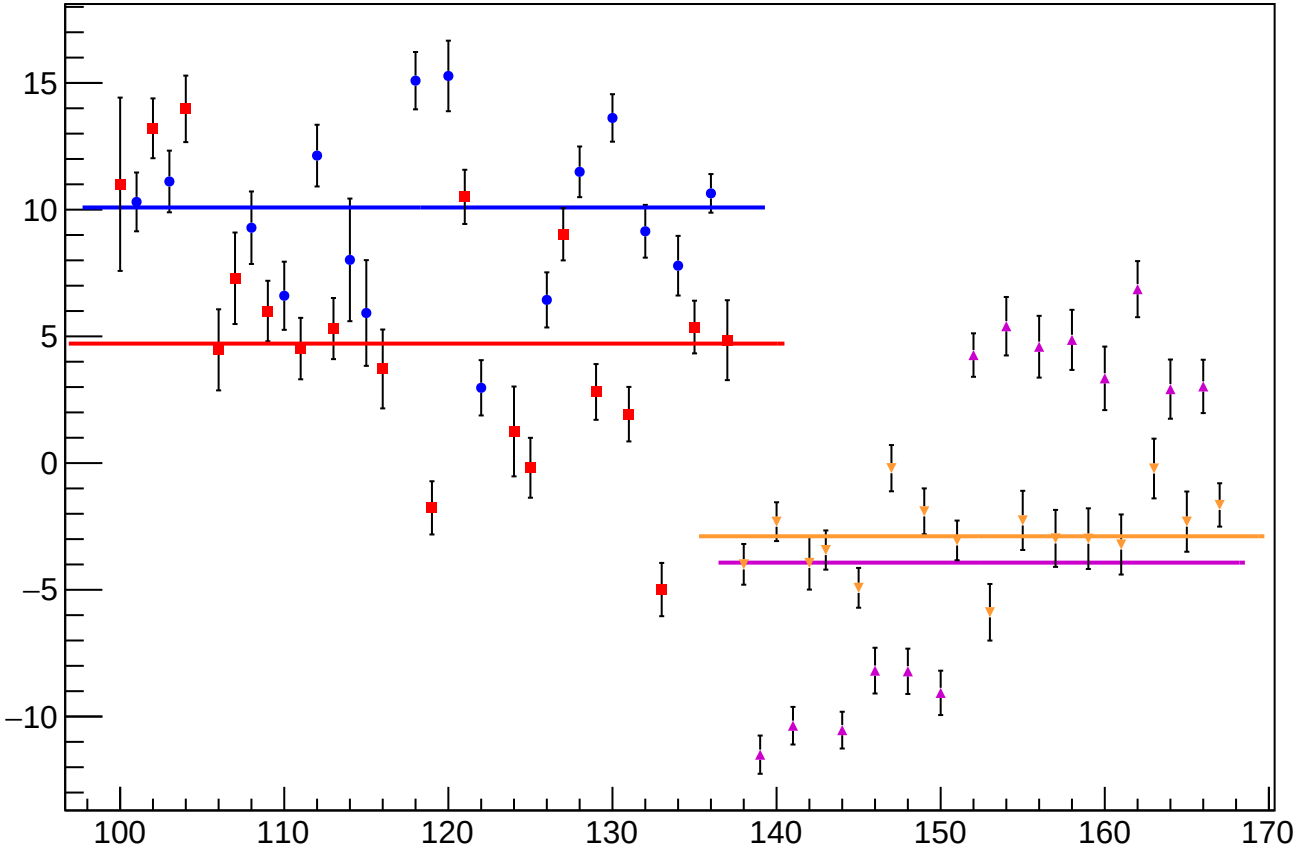
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 3980.156+/-0.657 χ^2/NDF:782912.6/29

Out: 3968.945+/-0.632 χ^2/NDF:839345.9/34

All: 3974.336+/-0.456 χ^2/NDF: 1622409.6/64

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.888+/-0.235 χ^2/NDF:35.6/15

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -3.928+/-0.251 χ^2/NDF:805.8/13

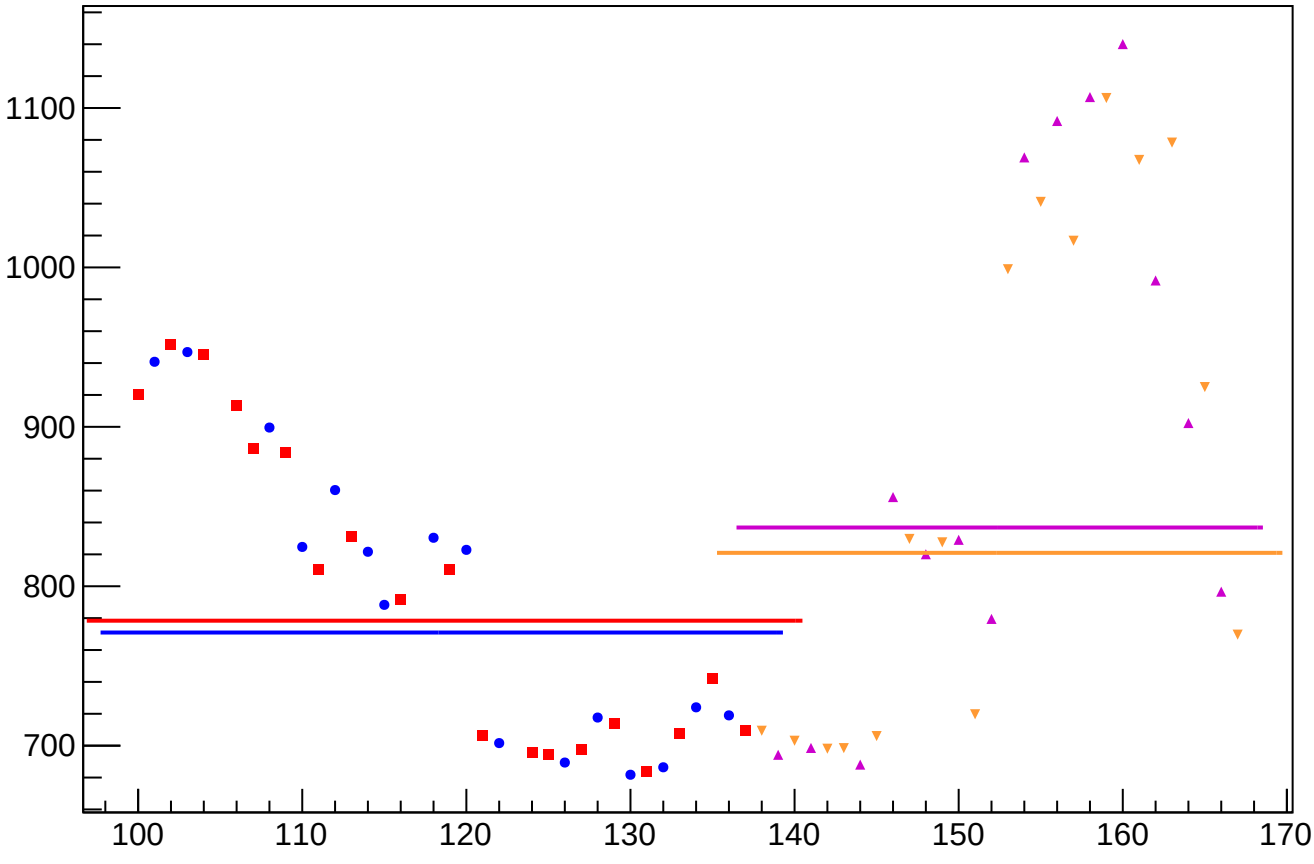
Left: -3.374+/-0.172 χ^2/NDF: 850.5/29

Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.121+/-0.189 χ^2/NDF:2272.1/29

Out: 0.187+/-0.182 χ^2/NDF:767.5/34

All: 1.113+/-0.131 χ^2/NDF: 3093.8/64



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.958+/-0.166 χ^2/NDF:740640.9/15

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 836.845+/-0.178 χ^2/NDF:673241.9/13

Left: 828.385+/-0.121 χ^2/NDF: 1418139.4/29

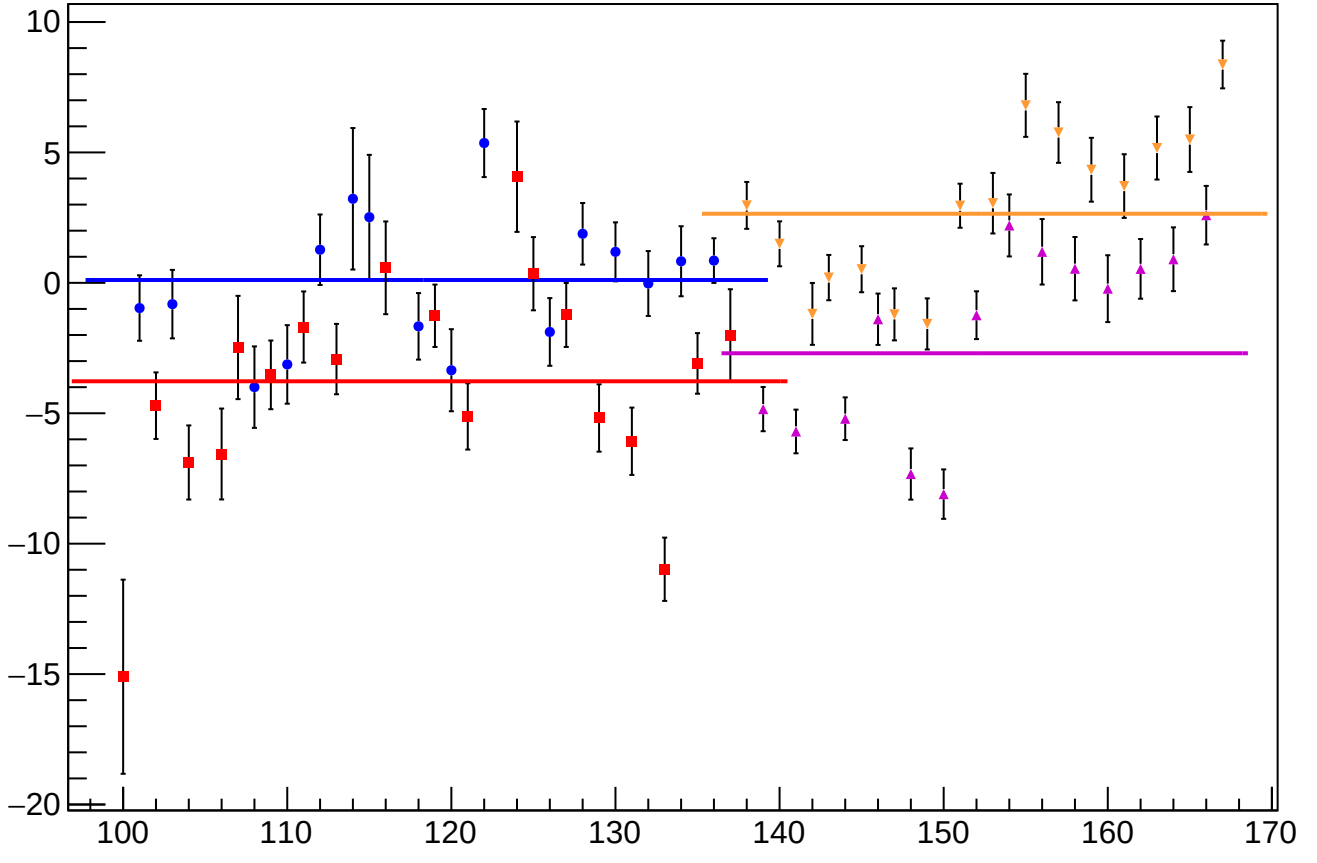
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 808.415+/-0.134 χ^2/NDF:925469.2/29

Out: 803.746+/-0.128 χ^2/NDF:963613.5/34

All: 805.983+/-0.093 χ^2/NDF: 1889715.4/64

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.649+/-0.255 χ^2/NDF:130.4/15

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -2.700+/-0.272 χ^2/NDF:164.0/13

Left: 0.145+/-0.186 χ^2/NDF: 500.5/29

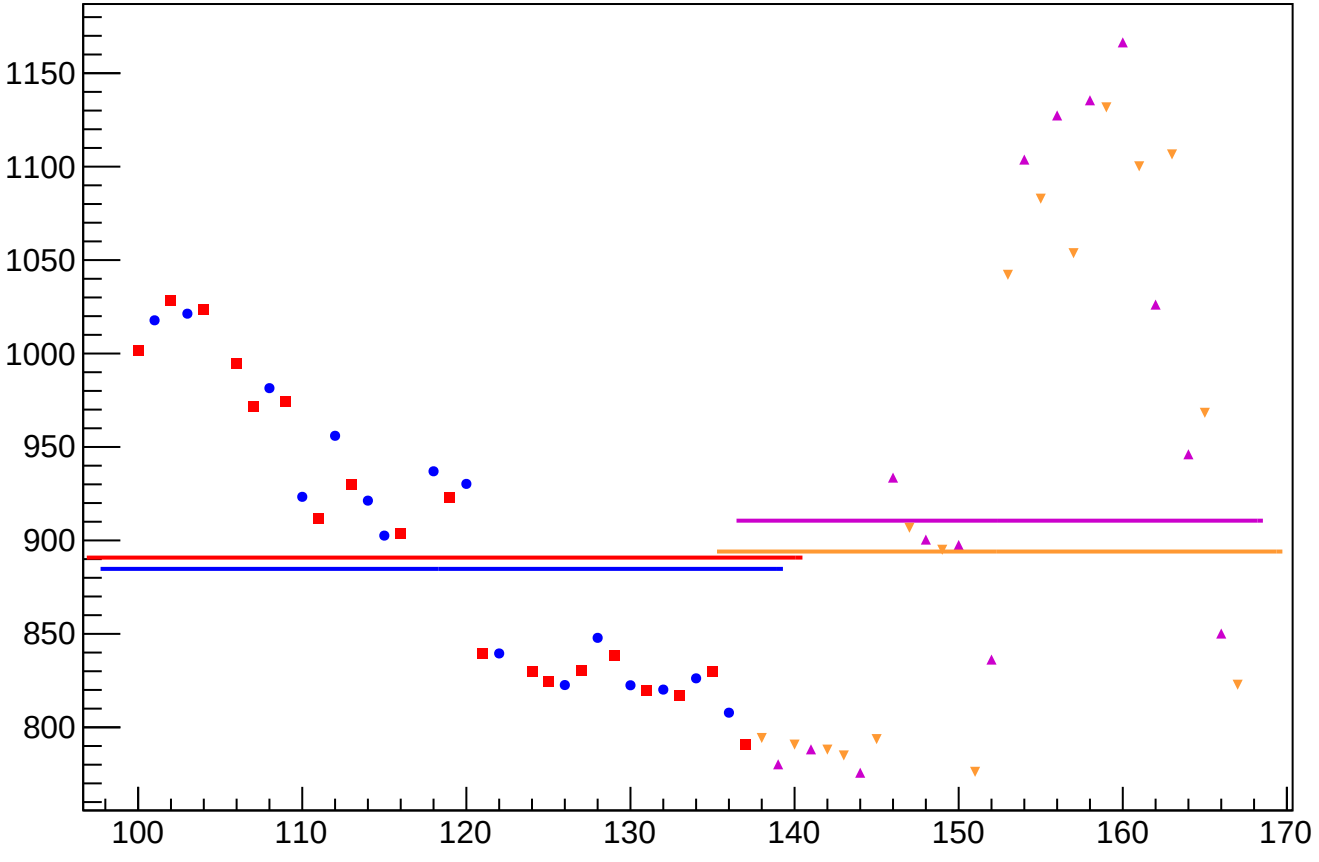
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.564+/-0.210 χ^2/NDF:252.5/29

Out: 0.212+/-0.201 χ^2/NDF:470.8/34

All: -0.637+/-0.145 χ^2/NDF: 760.8/64

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 894.053+/-0.180 χ^2/NDF:498678.4/15

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 910.570+/-0.192 χ^2/NDF:447996.9/13

Left: 901.784+/-0.131 χ^2/NDF: 950605.3/29

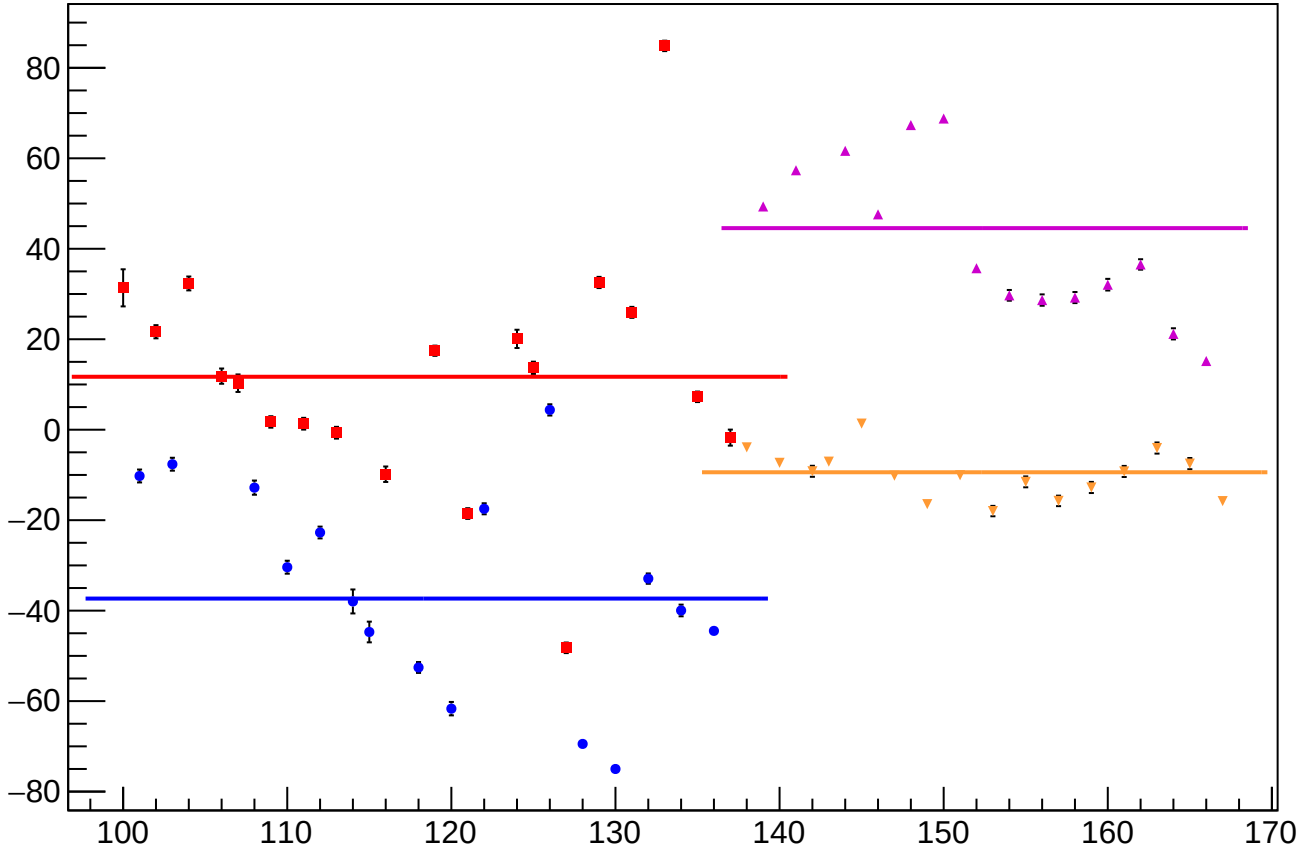
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 900.142+/-0.148 χ^2/NDF:559776.3/29

Out: 892.825+/-0.142 χ^2/NDF:606564.3/34

All: 896.324+/-0.103 χ^2/NDF: 1167610.4/64

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -9.408+/-0.258 χ^2/NDF:403.0/15

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 44.563+/-0.277 χ^2/NDF:3464.2/13

Left: 15.700+/-0.189 χ^2/NDF: 24174.8/29

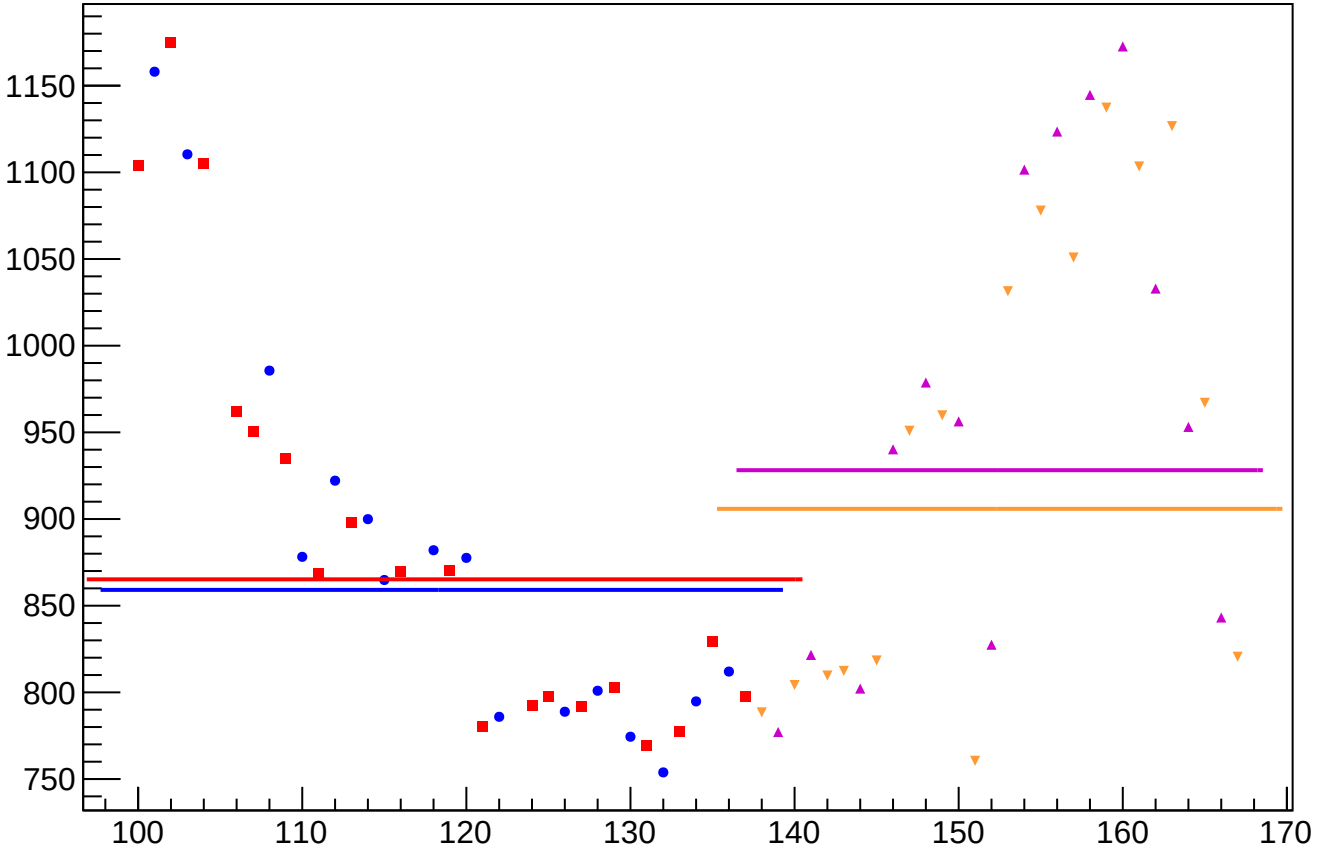
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.706+/-0.210 χ^2/NDF:45861.0/29

Out: -1.012+/-0.200 χ^2/NDF:11523.5/34

All: 4.101+/-0.145 χ^2/NDF: 58747.8/64

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 905.885+/-0.183 χ^2/NDF:490184.9/15

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 928.181+/-0.196 χ^2/NDF:423824.3/13

Left: 916.257+/-0.134 χ^2/NDF: 920940.8/29

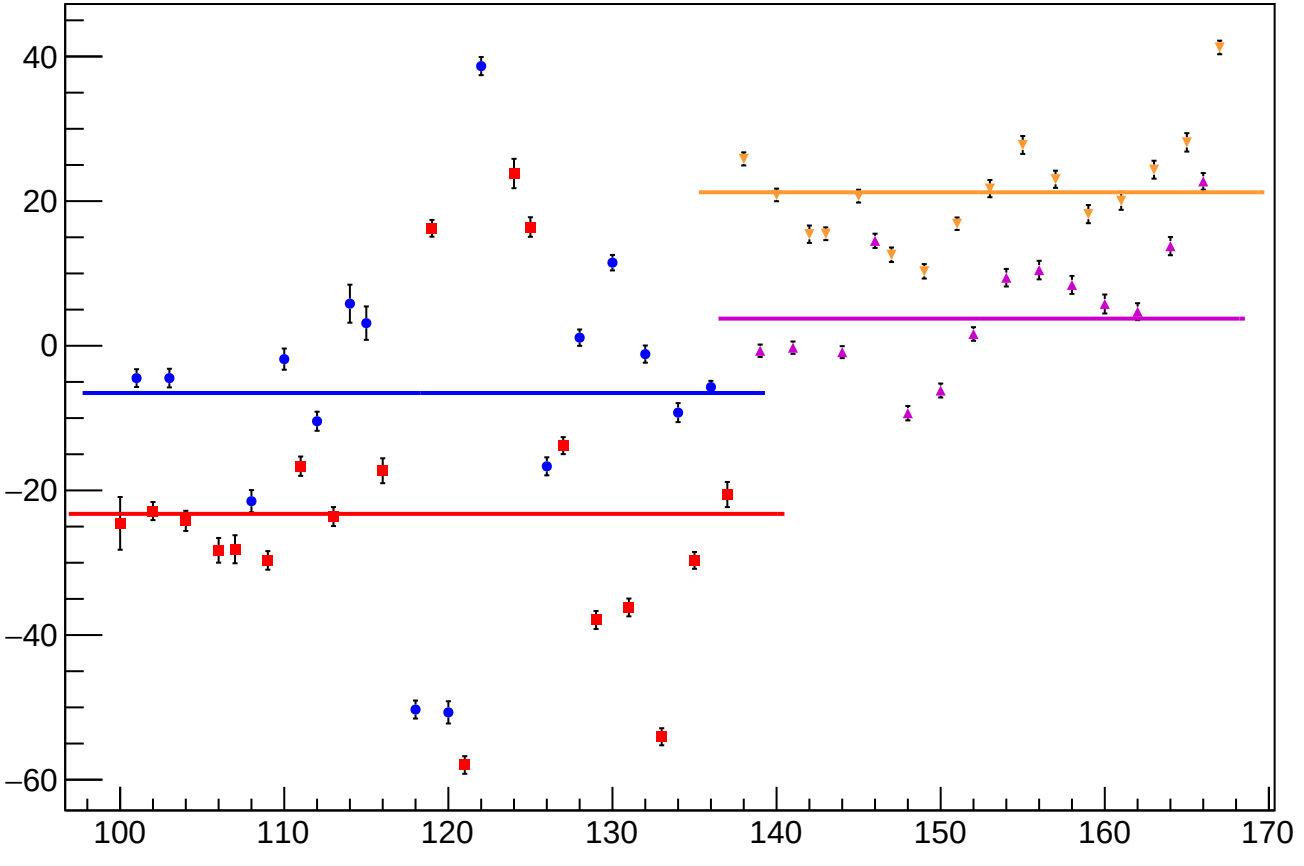
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 898.788+/-0.148 χ^2/NDF:705452.9/29

Out: 889.711+/-0.142 χ^2/NDF:733570.2/34

All: 894.041+/-0.103 χ^2/NDF: 1440979.2/64

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 21.223+/-0.260 χ^2/NDF:837.7/15

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 3.754+/-0.277 χ^2/NDF:883.6/13

Left: 13.048+/-0.189 χ^2/NDF: 3839.6/29

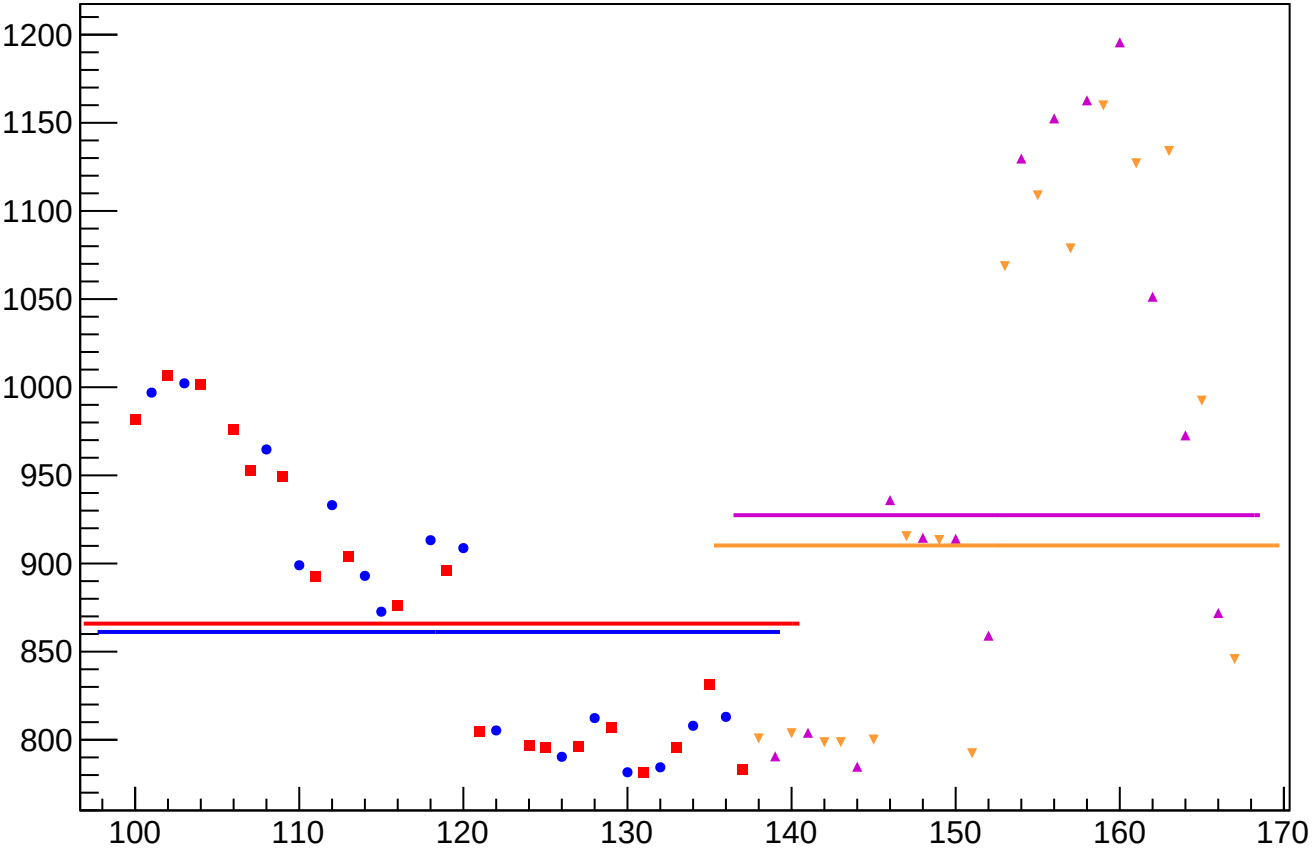
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -0.629+/-0.210 χ^2/NDF:5417.8/29

Out: 3.371+/-0.201 χ^2/NDF:17082.8/34

All: 1.457+/-0.145 χ^2/NDF: 22690.3/64

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 910.234+/-0.184 χ^2/NDF:525457.2/15

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 927.414+/-0.196 χ^2/NDF:464991.3/13

Left: 918.274+/-0.134 χ^2/NDF: 994546.0/29

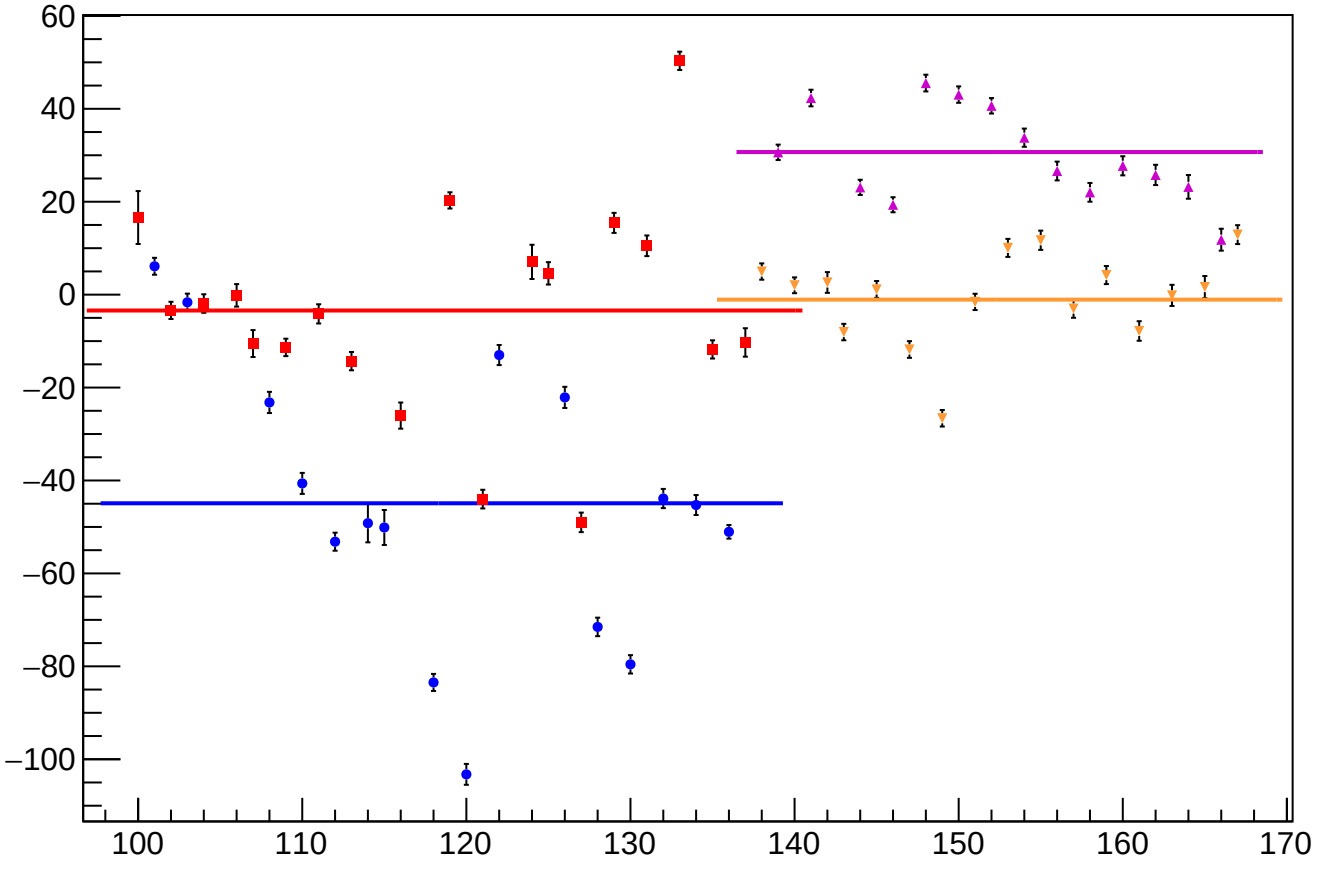
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 899.177+/-0.148 χ^2/NDF:627332.7/29

Out: 892.438+/-0.142 χ^2/NDF:667278.5/34

All: 895.663+/-0.103 χ^2/NDF: 1295688.3/64

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.073+/-0.482 χ^2/NDF:415.6/15

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 30.695+/-0.503 χ^2/NDF:370.5/13

Left: 14.131+/-0.348 χ^2/NDF: 2864.9/29

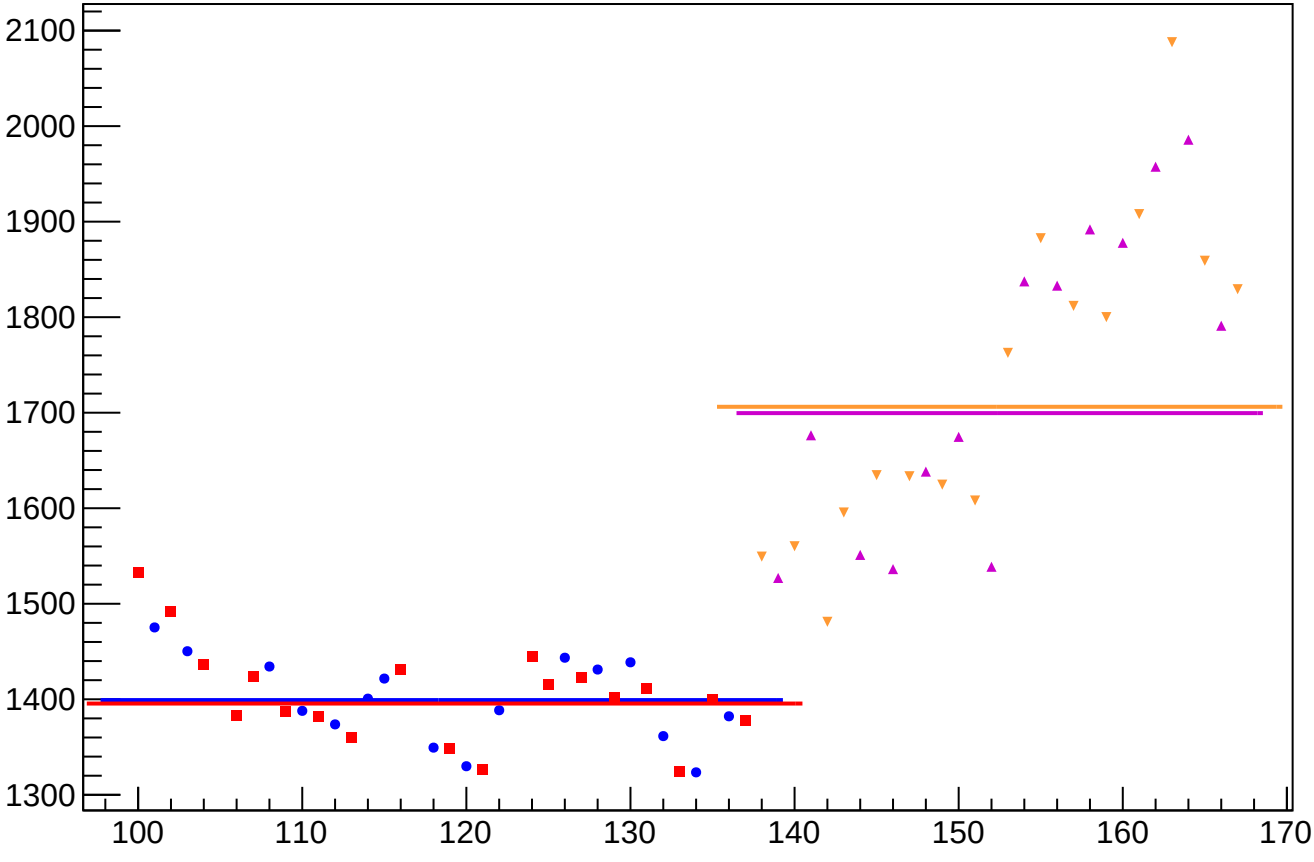
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -5.865+/-0.362 χ^2/NDF:14667.3/29

Out: -2.181+/-0.350 χ^2/NDF:2528.9/34

All: -3.963+/-0.251 χ^2/NDF: 17249.8/64

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1706.202+/-0.341 χ^2/NDF:192647.0/15

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1699.571+/-0.356 χ^2/NDF:188034.5/13

Left: 1703.029+/-0.246 χ^2/NDF: 380862.6/29

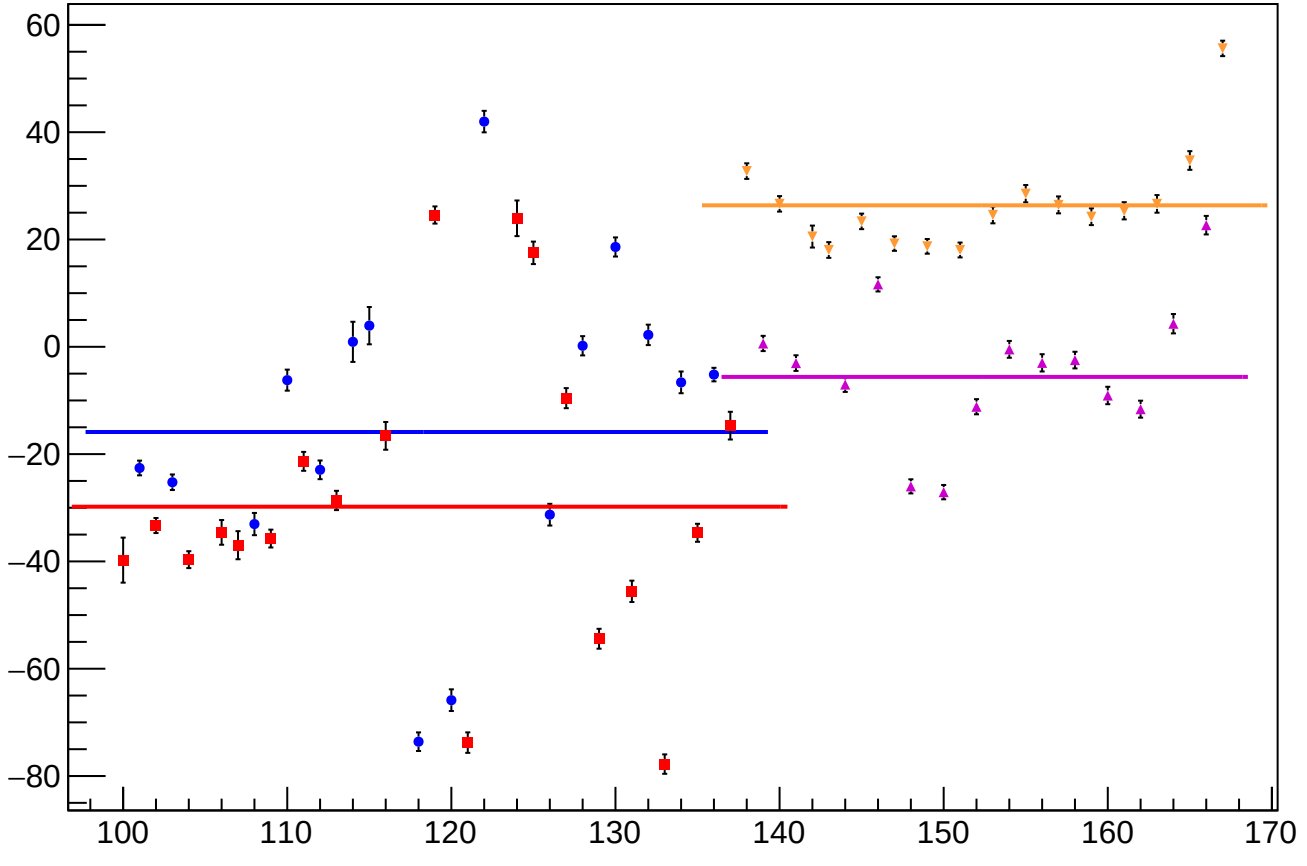
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1554.299+/-0.256 χ^2/NDF:547689.9/29

Out: 1559.372+/-0.248 χ^2/NDF:601526.7/34

All: 1556.918+/-0.178 χ^2/NDF: 1149419.9/64

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 26.369+/-0.381 χ^2/NDF:599.7/15

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -5.612+/-0.398 χ^2/NDF:1041.3/13

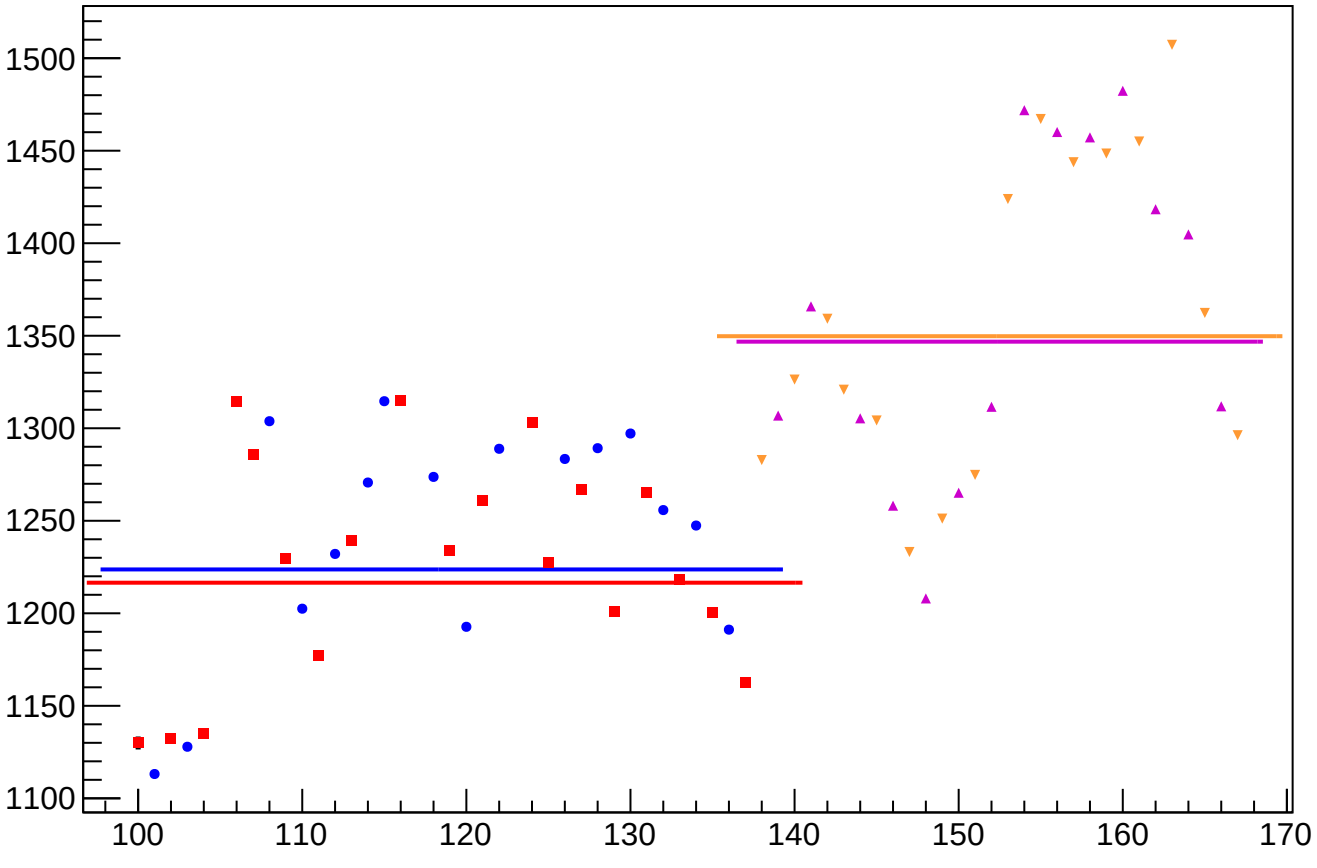
Left: 11.076+/-0.275 χ^2/NDF: 5017.3/29

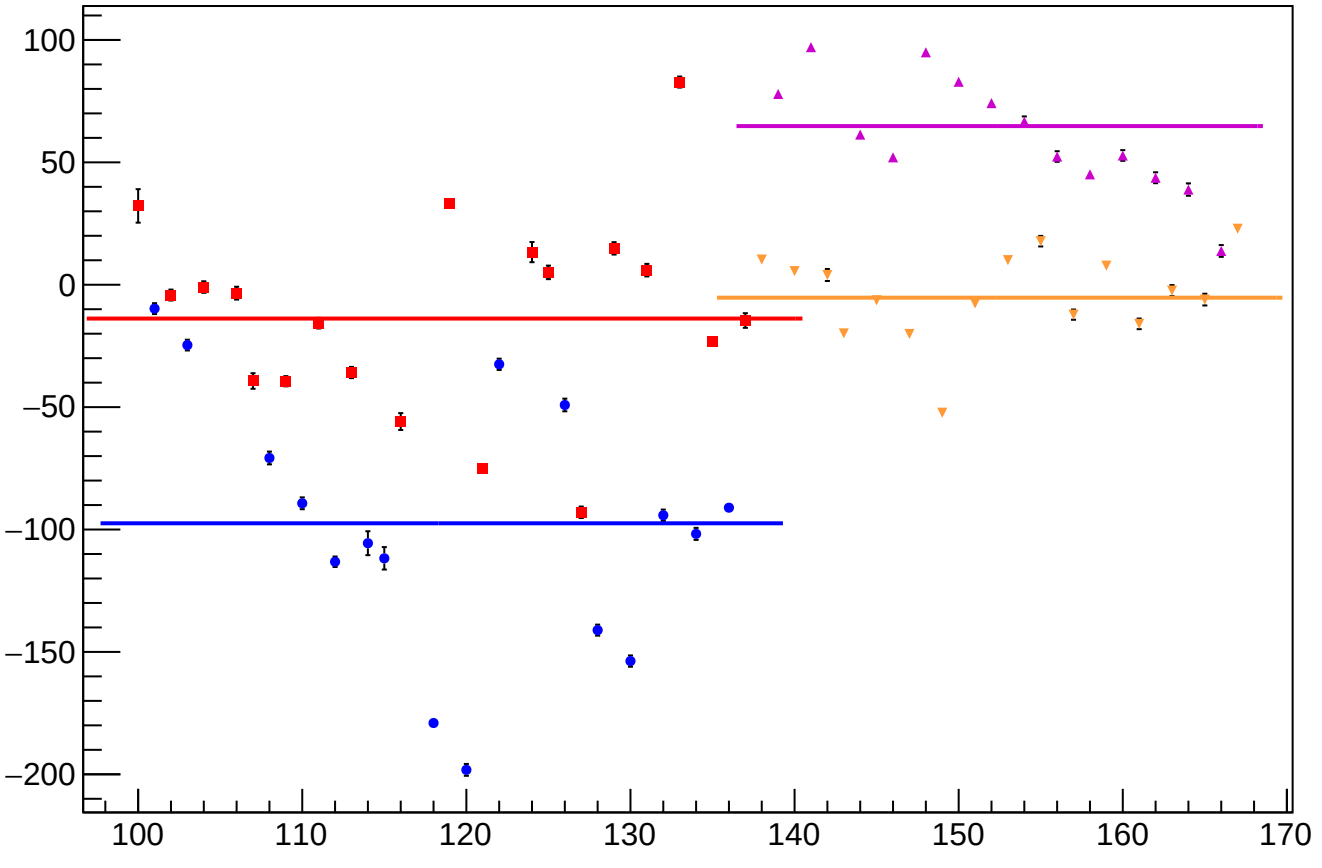
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -10.054+/-0.299 χ^2/NDF:4807.6/29

Out: 2.600+/-0.289 χ^2/NDF:13497.7/34

All: -3.504+/-0.208 χ^2/NDF: 19229.6/64


diff_bpm0i02Y_rms vs Slug, Sign Corrected
1500
1450
1400
1350
1300
1250
1200
1150
1100
100
110
120
130
140
150
160
170
Right In: 1223.702+/-0.322 χ²/NDF: 40883.8/15
Left Out: 1349.752+/-0.269 χ²/NDF:98549.1/15
Right Out: 1216.533+/-0.314 χ²/NDF: 29381.0/18
Left In: 1346.796+/-0.281 χ²/NDF:97230.4/13
Left: 1348.338+/-0.194 χ²/NDF: 195837.2/29
Right: 1220.031+/-0.225 χ²/NDF: 70518.8/34
In: 1293.535+/-0.212 χ²/NDF:221069.3/29
Out: 1293.379+/-0.204 χ²/NDF:231623.0/34
All: 1293.454+/-0.147 χ²/NDF: 452692.5/64



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -5.286+/-0.495 χ^2/NDF:1395.2/15

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 64.814+/-0.519 χ^2/NDF:1663.4/13

Left: 28.106+/-0.358 χ^2/NDF: 12626.2/29

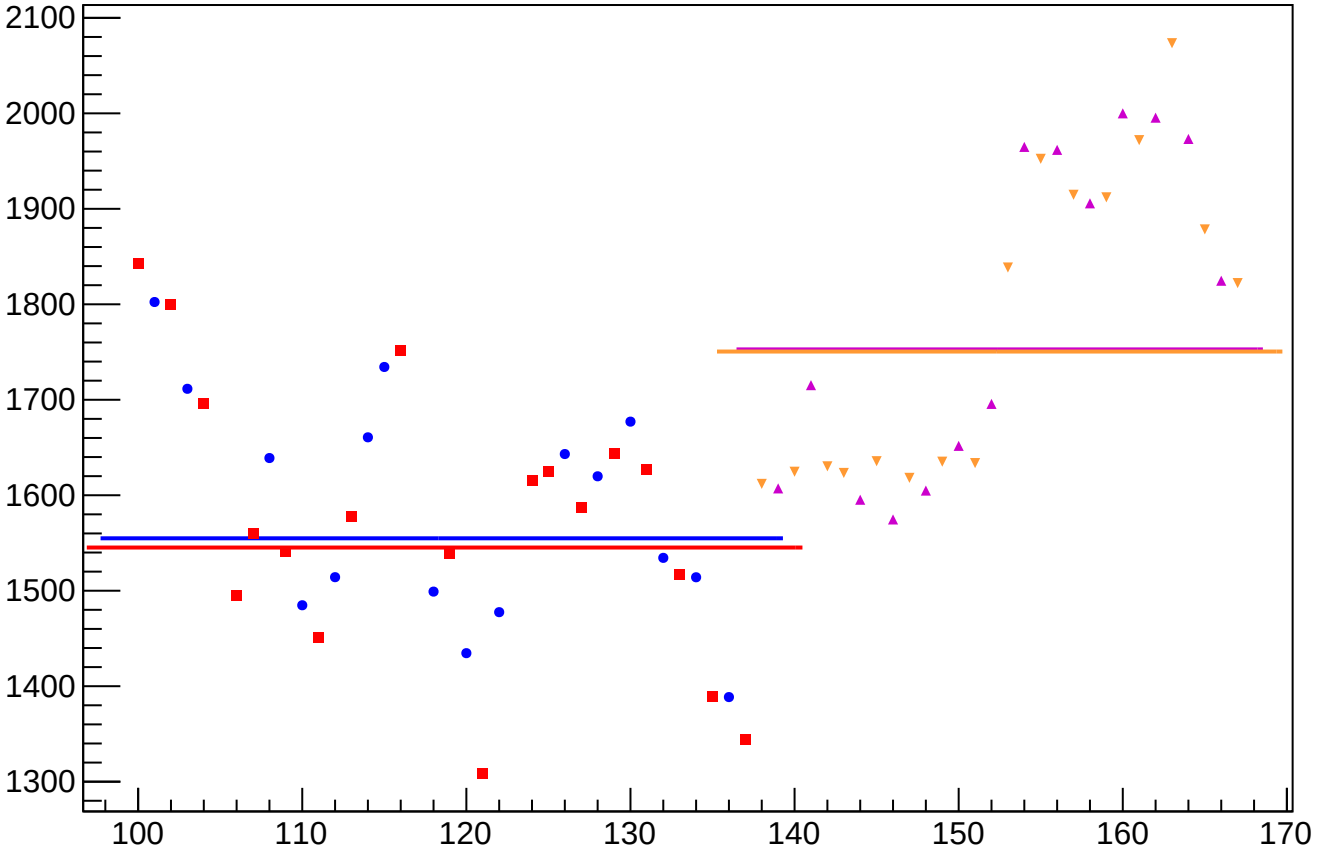
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -7.361+/-0.386 χ^2/NDF:53509.4/29

Out: -8.982+/-0.372 χ^2/NDF:6876.3/34

All: -8.202+/-0.268 χ^2/NDF: 60394.8/64

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1750.520+/-0.350 χ^2/NDF:188162.6/15

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1752.765+/-0.367 χ^2/NDF:194817.1/13

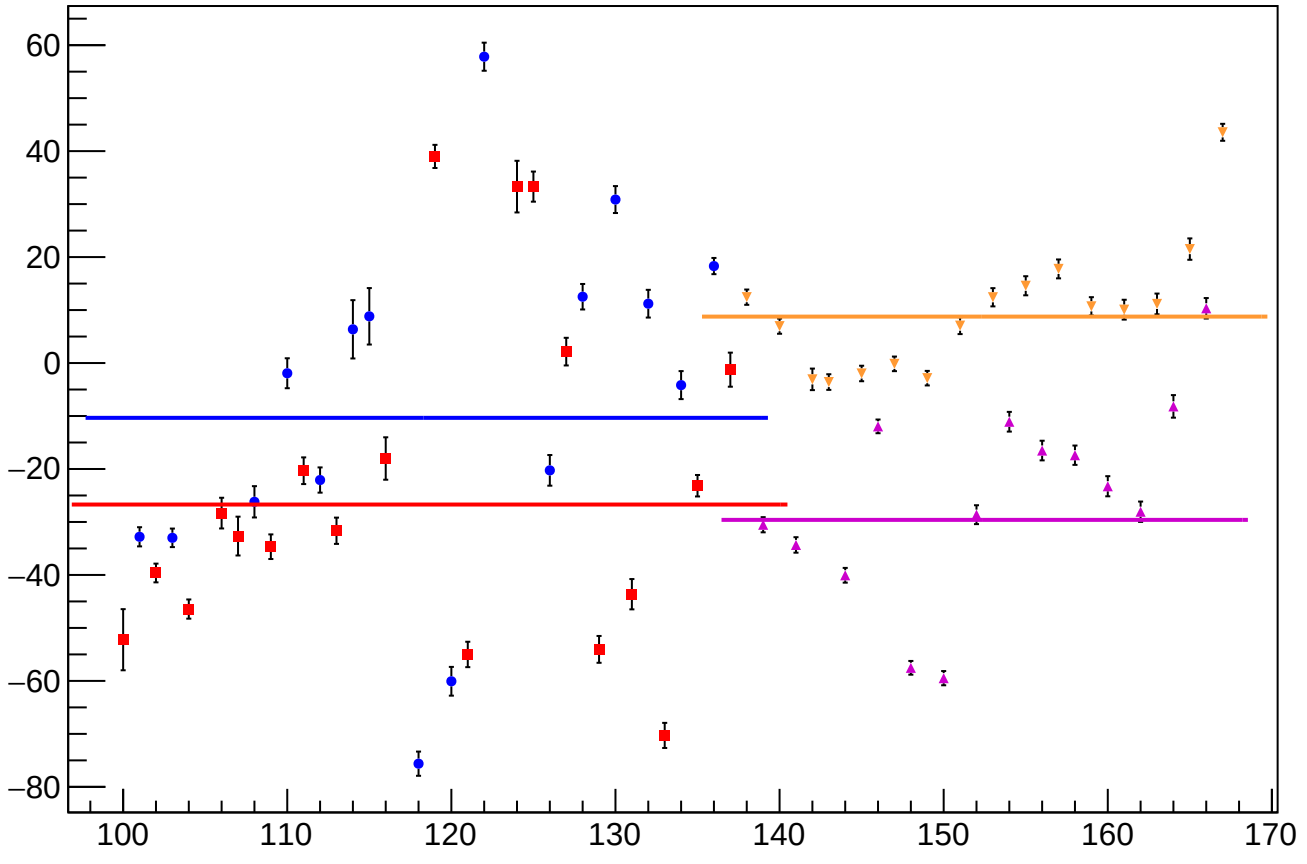
Left: 1751.590+/-0.253 χ^2/NDF: 382999.3/29

Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

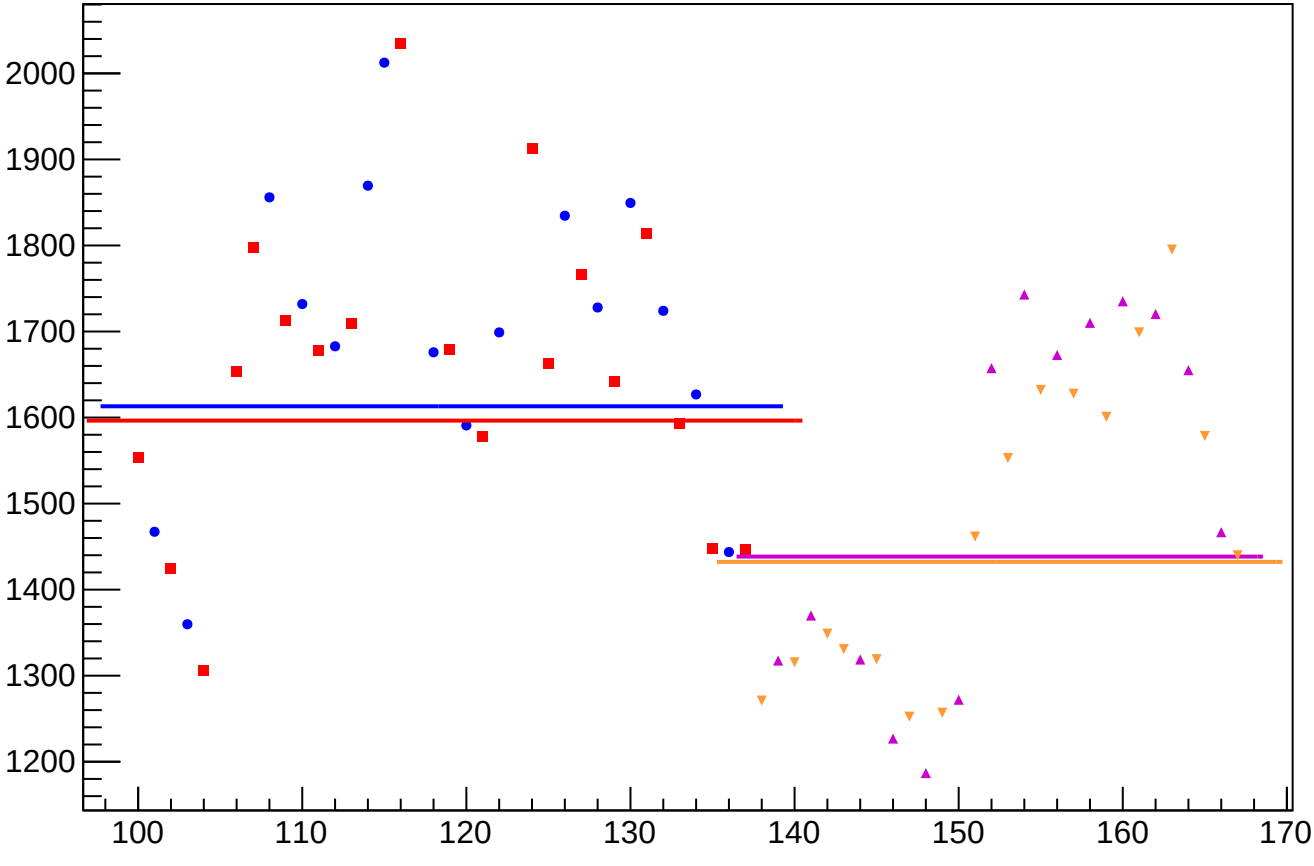
In: 1664.762+/-0.273 χ^2/NDF:412217.4/29

Out: 1661.572+/-0.263 χ^2/NDF:446216.1/34

All: 1663.107+/-0.190 χ^2/NDF: 858504.1/64


diff_bpm0i02aY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -10.345+/-0.603 χ²/NDF: 3007.0/15
Left Out: 8.765+/-0.406 χ²/NDF:835.7/15
Right Out: -26.709+/-0.586 χ²/NDF: 2540.7/18
Left In: -29.605+/-0.428 χ²/NDF:1945.1/13
Left: -9.400+/-0.295 χ²/NDF: 7005.0/29
Right: -18.758+/-0.420 χ²/NDF: 5926.2/34
In: -23.146+/-0.349 χ²/NDF:5629.9/29
Out: -2.739+/-0.334 χ²/NDF:5849.7/34
All: -12.484+/-0.241 χ²/NDF: 13263.3/64

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1432.262+/-0.287 χ^2/NDF:327707.9/15

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1438.412+/-0.303 χ^2/NDF:465877.4/13

Left: 1435.173+/-0.208 χ^2/NDF: 793802.3/29

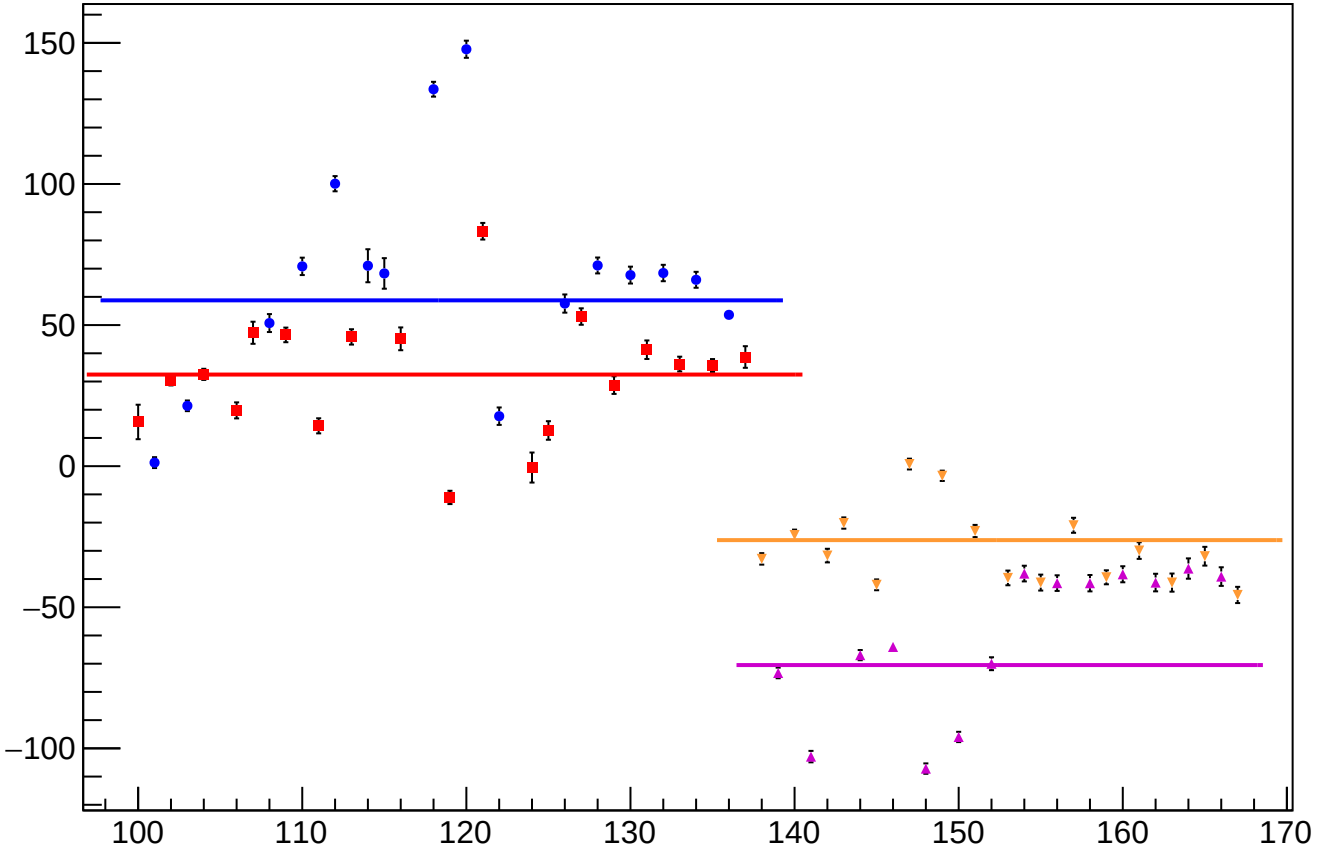
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1496.990+/-0.247 χ^2/NDF:732093.8/29

Out: 1485.503+/-0.236 χ^2/NDF:594375.2/34

All: 1490.988+/-0.171 χ^2/NDF: 1327599.4/64

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.206+/-0.578 χ^2/NDF:608.4/15

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -70.484+/-0.607 χ^2/NDF:1609.3/13

Left: -47.269+/-0.419 χ^2/NDF: 5004.5/29

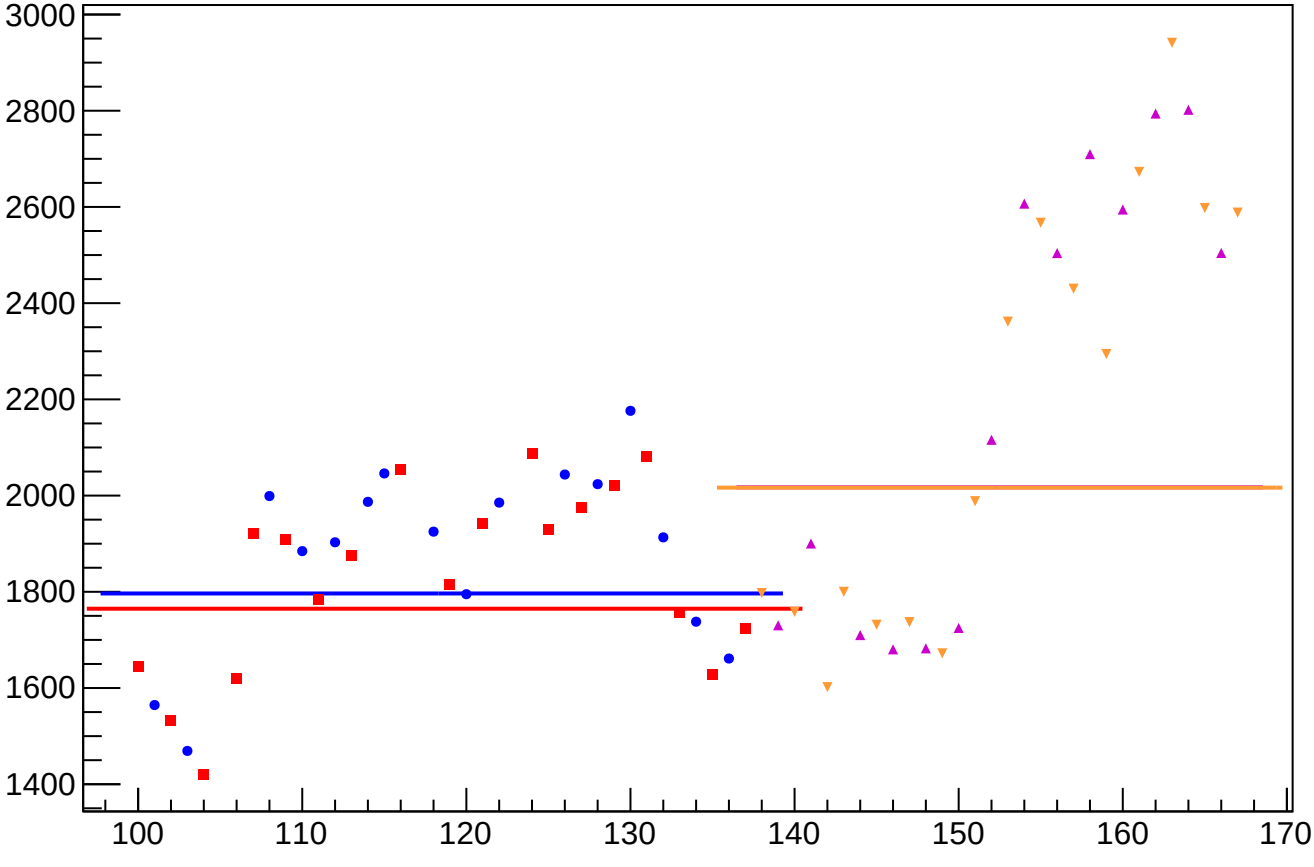
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -12.422+/-0.451 χ^2/NDF:25398.1/29

Out: -0.205+/-0.432 χ^2/NDF:6098.2/34

All: -6.050+/-0.312 χ^2/NDF: 31879.5/64

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2016.490+/-0.409 χ^2/NDF:889359.6/15

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2017.203+/-0.429 χ^2/NDF:915260.3/13

Left: 2016.829+/-0.296 χ^2/NDF: 1804621.4/29

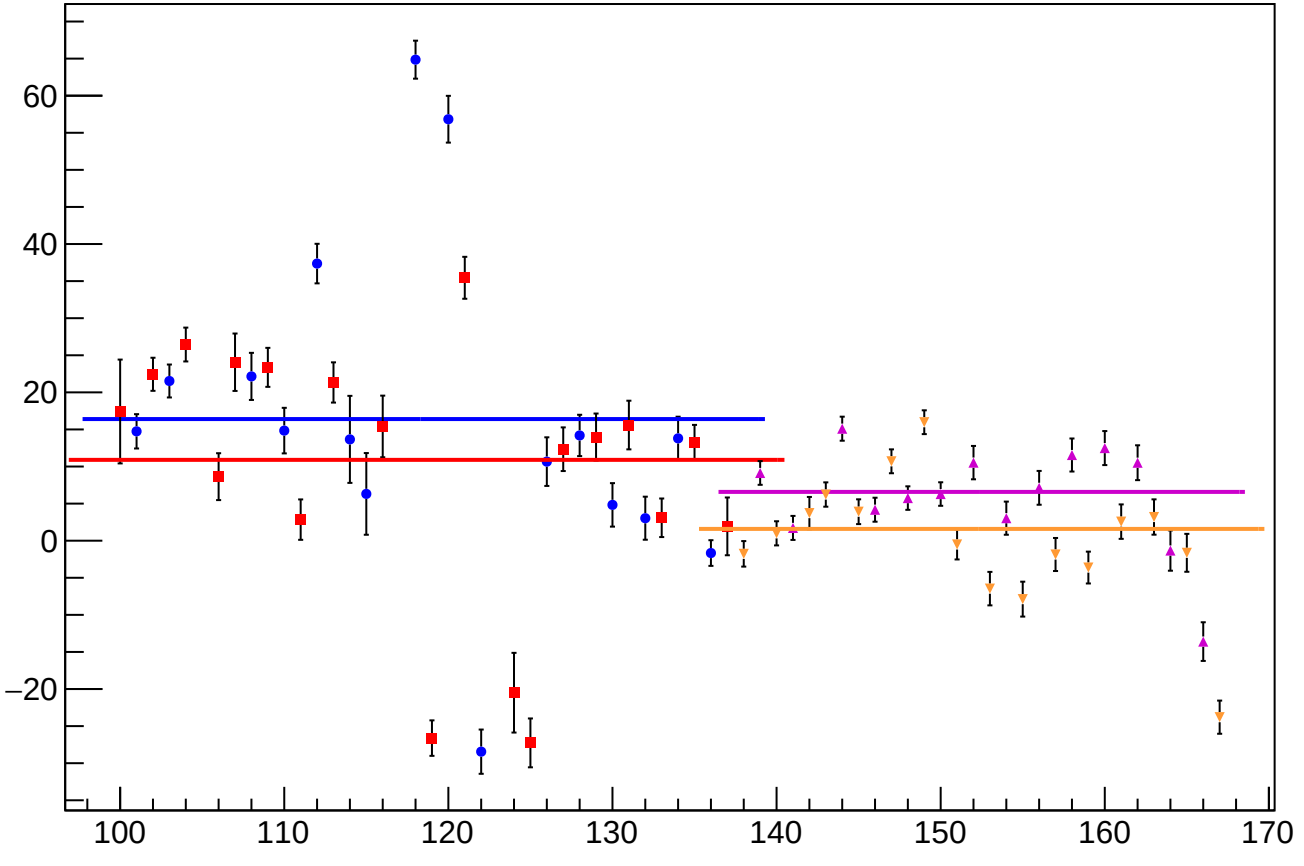
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1918.079+/-0.319 χ^2/NDF:1227028.8/29

Out: 1904.977+/-0.305 χ^2/NDF:1247052.1/34

All: 1911.246+/-0.220 χ^2/NDF: 2474962.3/64

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 1.590+/-0.489 χ^2/NDF:296.7/15

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 6.579+/-0.515 χ^2/NDF:130.2/13

Left: 3.957+/-0.354 χ^2/NDF: 476.3/29

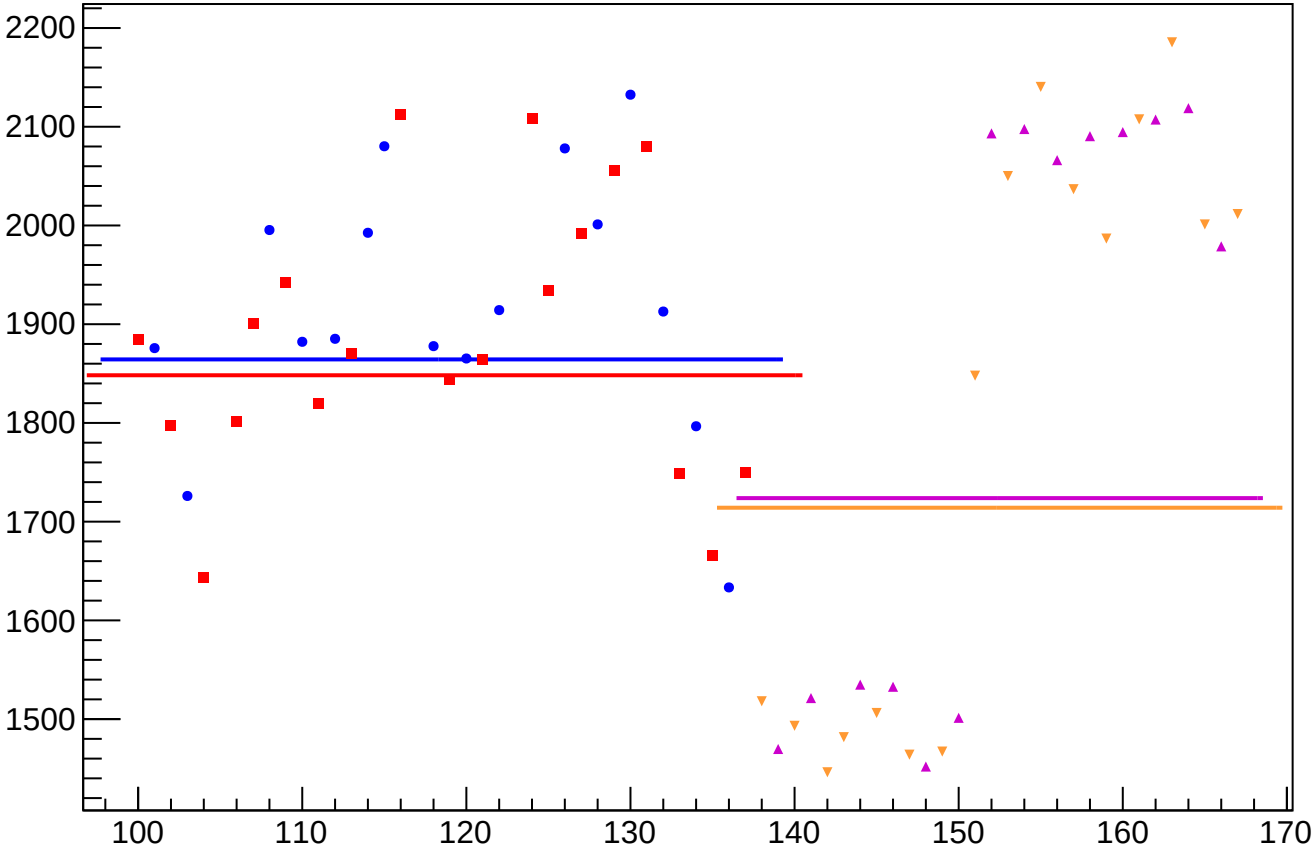
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 10.056+/-0.414 χ^2/NDF:1232.2/29

Out: 4.785+/-0.396 χ^2/NDF:1062.8/34

All: 7.308+/-0.286 χ^2/NDF: 2379.7/64

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1714.119+/-0.346 χ^2/NDF:649011.3/15

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1723.846+/-0.364 χ^2/NDF:611212.3/13

Left: 1718.734+/-0.251 χ^2/NDF: 1260599.3/29

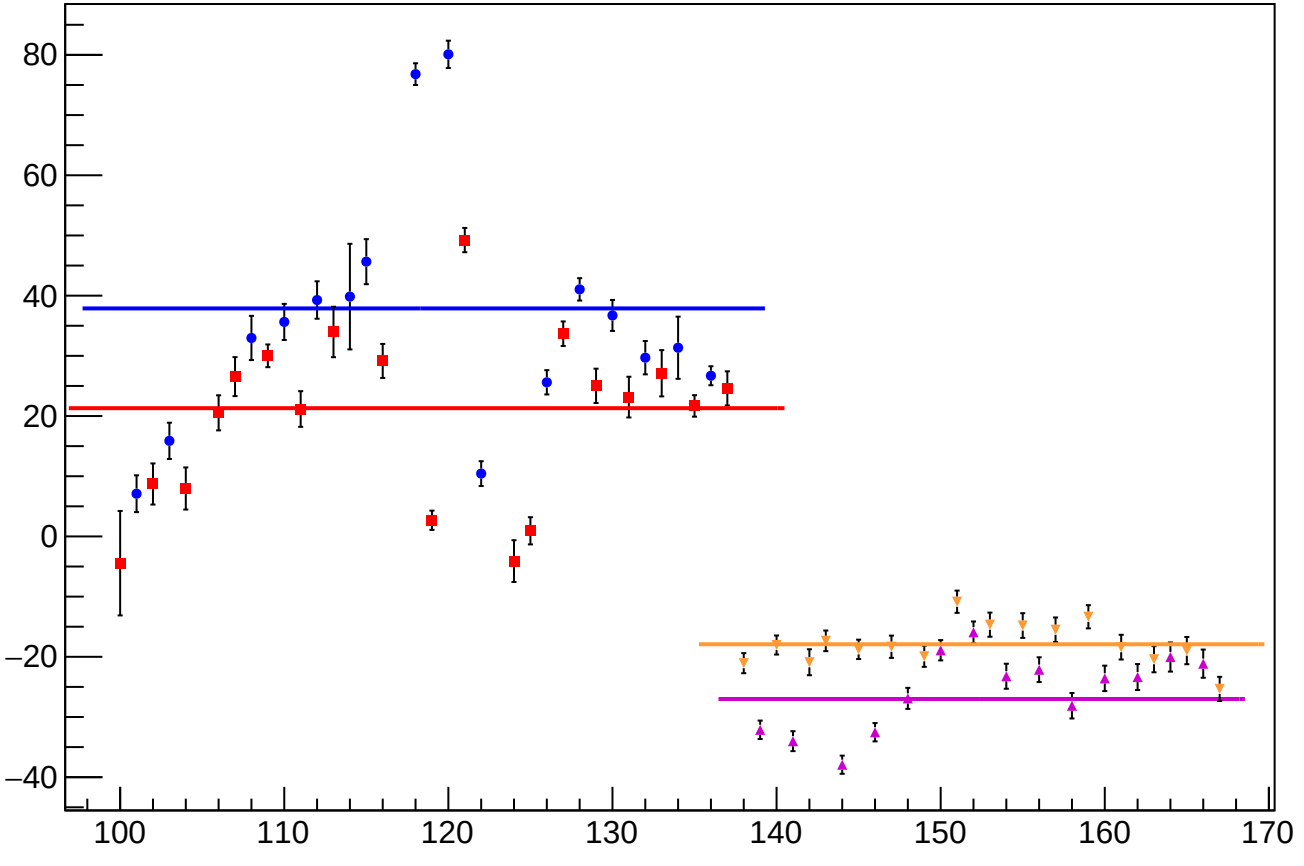
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1773.587+/-0.292 χ^2/NDF:747316.7/29

Out: 1760.168+/-0.280 χ^2/NDF:775669.5/34

All: 1766.591+/-0.202 χ^2/NDF: 1524084.4/64

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.915+/-0.471 χ^2/NDF:49.1/15

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -27.007+/-0.492 χ^2/NDF:185.3/13

Left: -22.267+/-0.340 χ^2/NDF: 412.6/29

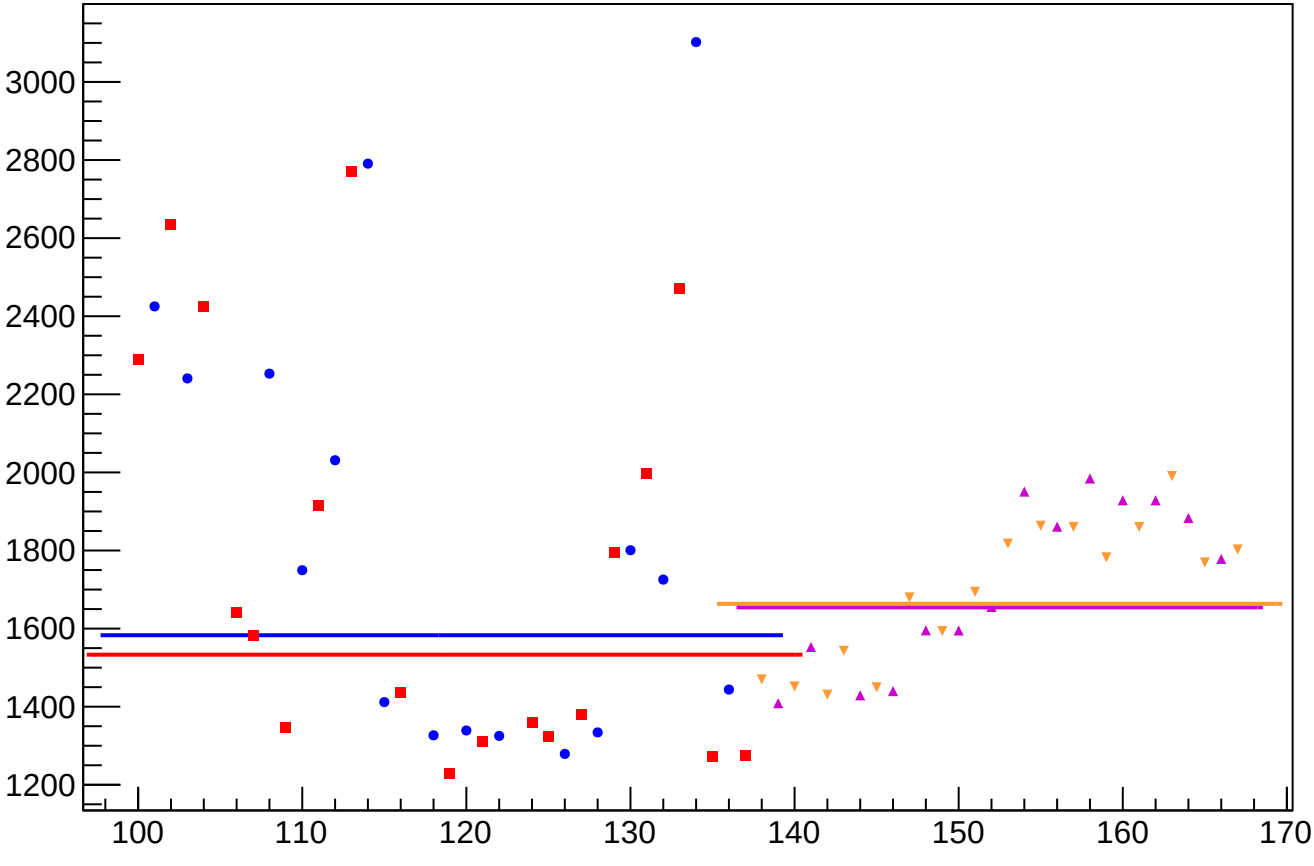
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -2.065+/-0.386 χ^2/NDF:8126.7/29

Out: -2.730+/-0.369 χ^2/NDF:3313.0/34

All: -2.412+/-0.267 χ^2/NDF: 11441.3/64

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1663.488+/-0.333 χ^2/NDF:269962.5/15

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1654.470+/-0.348 χ^2/NDF:346717.1/13

Left: 1659.171+/-0.241 χ^2/NDF: 617030.1/29

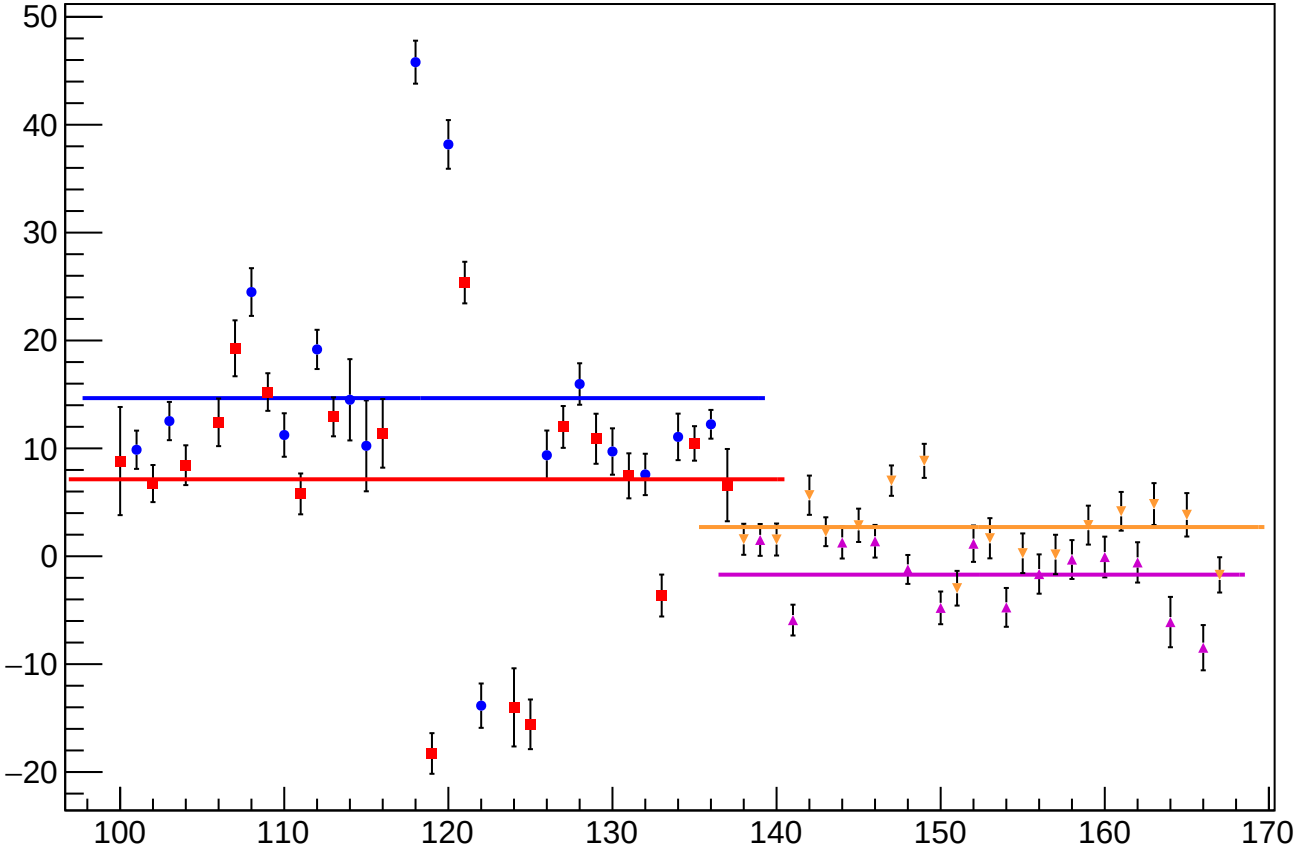
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1627.017+/-0.273 χ^2/NDF:1150603.5/29

Out: 1613.040+/-0.261 χ^2/NDF:1279927.9/34

All: 1619.715+/-0.189 χ^2/NDF: 2431902.3/64

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.708+/-0.412 χ^2/NDF:54.4/15

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.705+/-0.444 χ^2/NDF:47.4/13

Left: 0.666+/-0.302 χ^2/NDF: 154.9/29

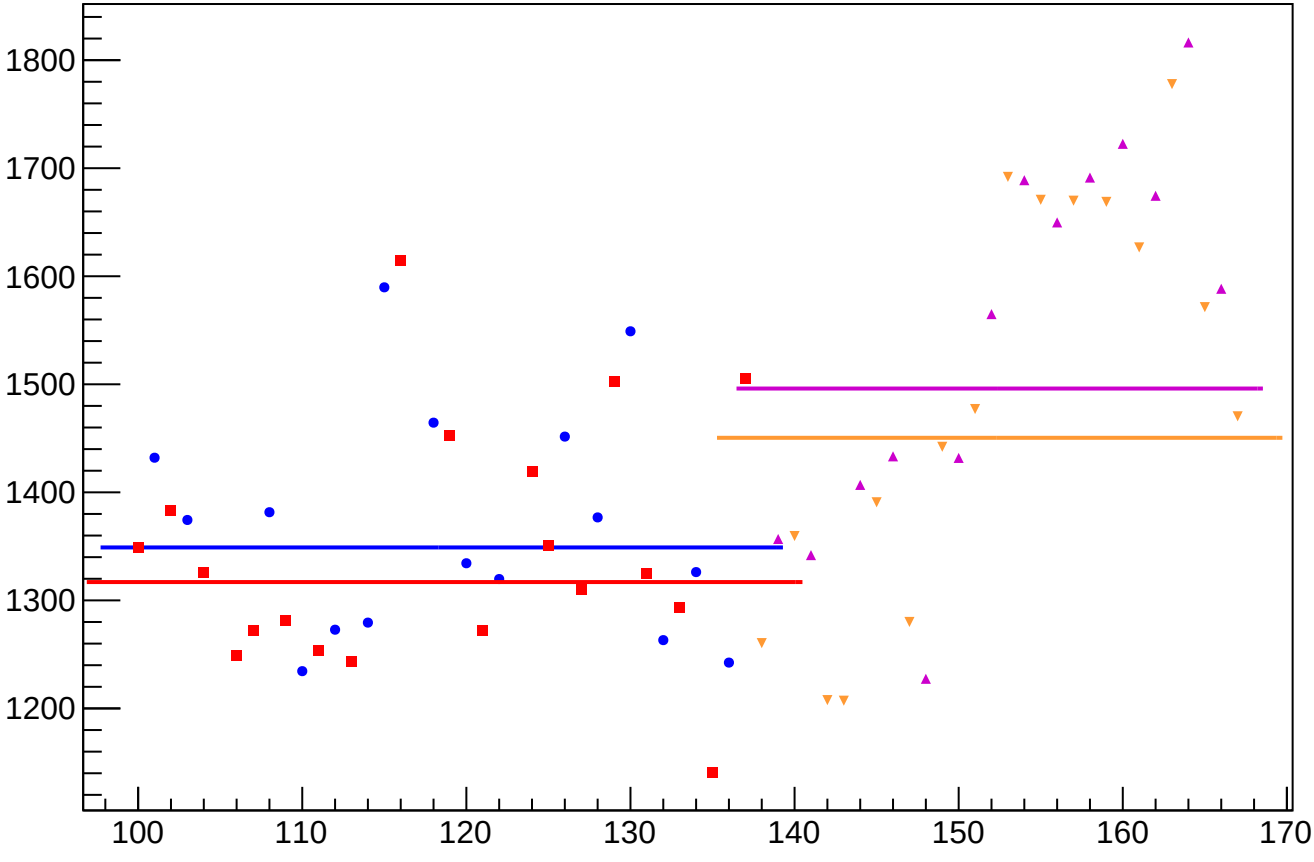
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 5.432+/-0.333 χ^2/NDF:1255.2/29

Out: 4.570+/-0.313 χ^2/NDF:612.4/34

All: 4.975+/-0.228 χ^2/NDF: 1871.2/64

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1450.476+/-0.291 χ^2/NDF:381276.2/15

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1496.073+/-0.314 χ^2/NDF:288263.9/13

Left: 1471.574+/-0.213 χ^2/NDF: 680886.1/29

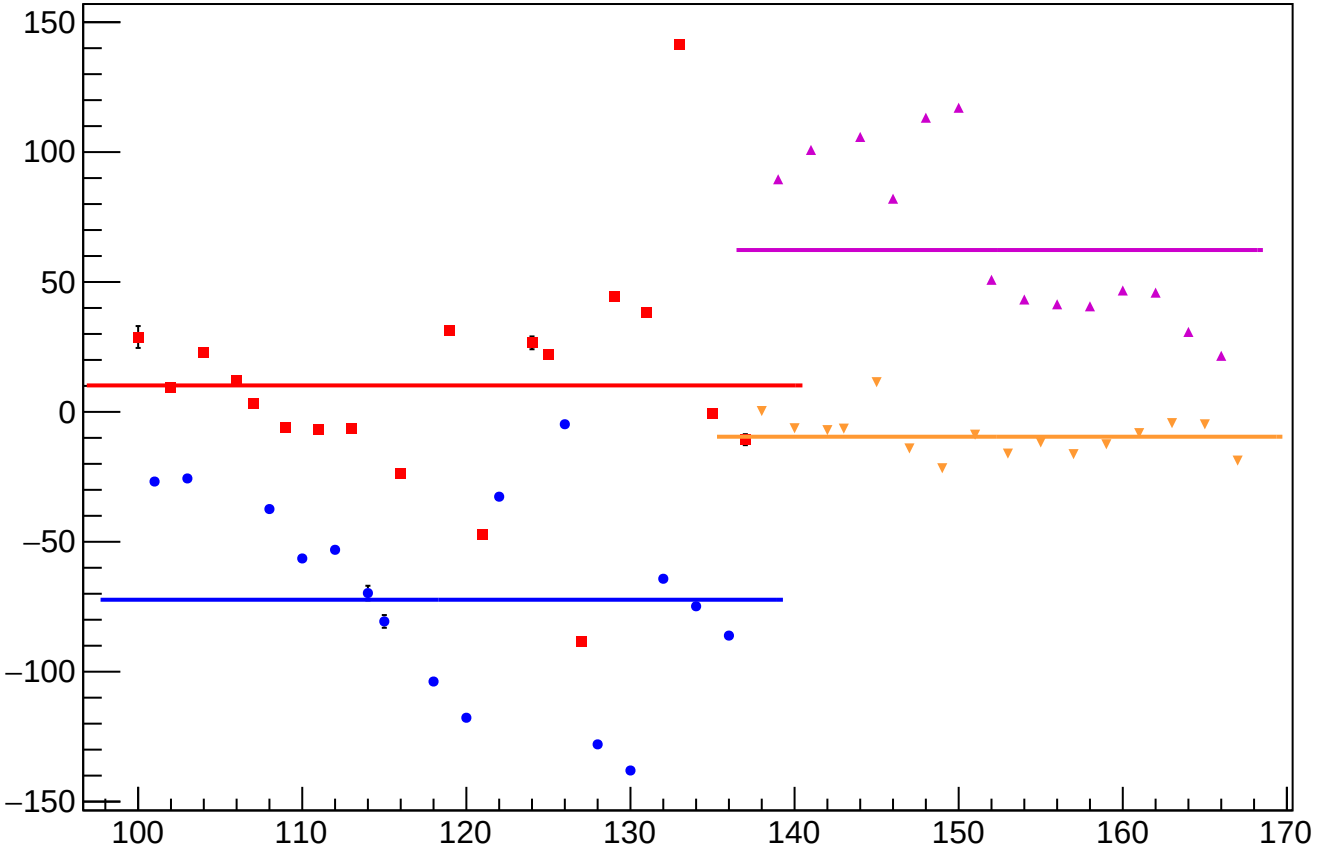
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1431.919+/-0.236 χ^2/NDF:452478.1/29

Out: 1394.300+/-0.222 χ^2/NDF:556609.0/34

All: 1411.960+/-0.161 χ^2/NDF: 1022614.0/64

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -9.557+/-0.238 χ^2/NDF:977.5/15

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 62.304+/-0.255 χ^2/NDF:14151.1/13

Left: 23.994+/-0.174 χ^2/NDF: 57606.7/29

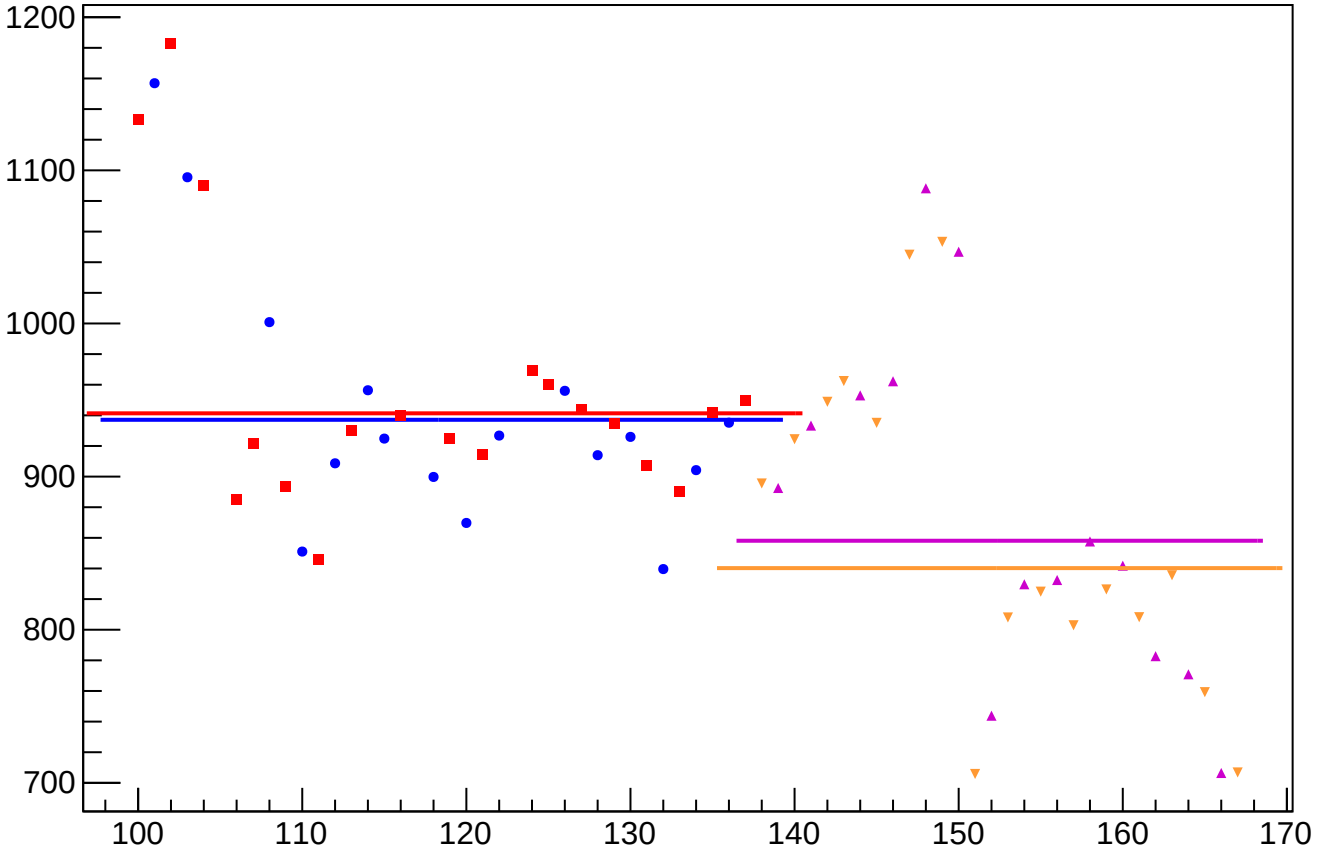
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.634+/-0.206 χ^2/NDF:123237.1/29

Out: -3.170+/-0.196 χ^2/NDF:22245.3/34

All: 5.773+/-0.142 χ^2/NDF: 149861.7/64

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 840.234+/-0.168 χ^2/NDF:349188.1/15

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 858.108+/-0.180 χ^2/NDF:314652.6/13

Left: 848.579+/-0.123 χ^2/NDF: 669096.3/29

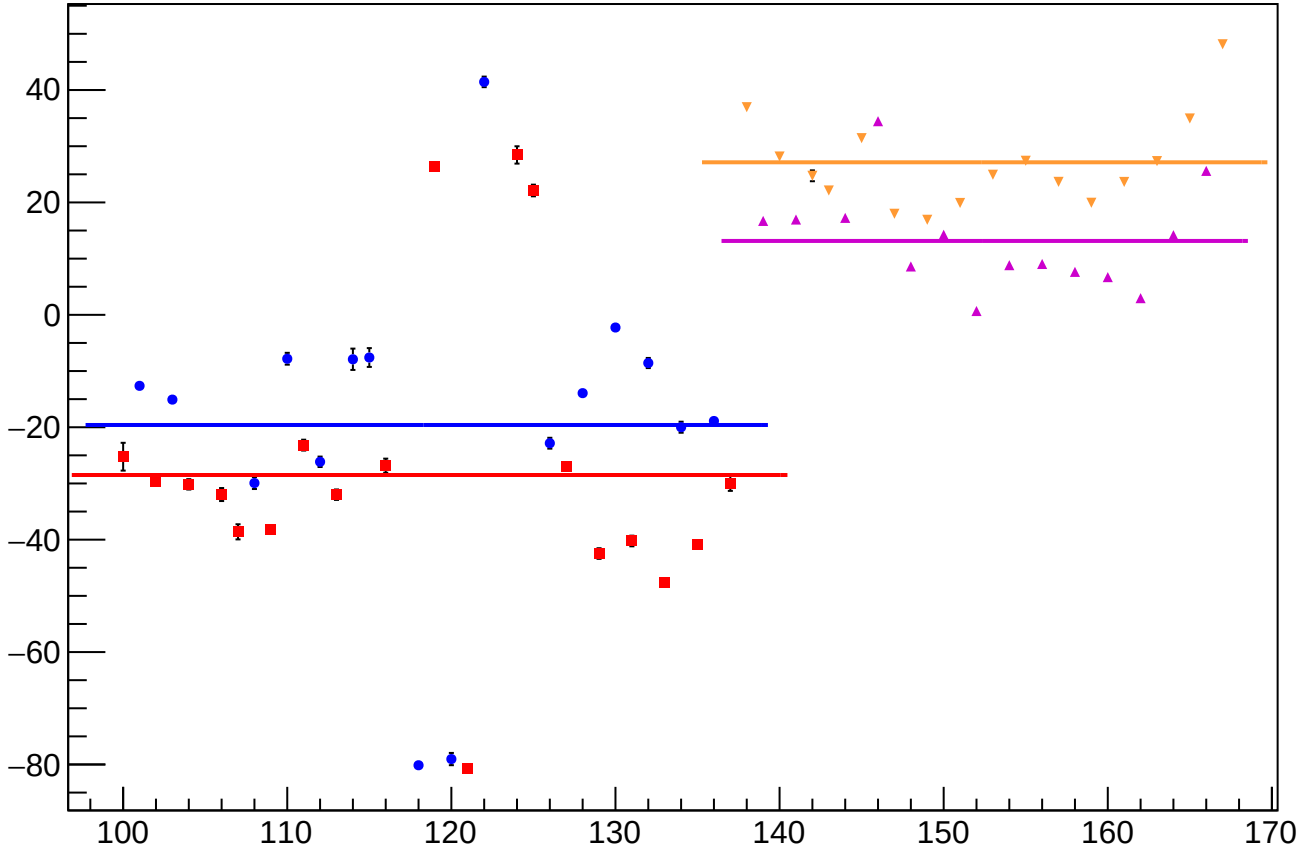
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 885.494+/-0.145 χ^2/NDF:486069.3/29

Out: 872.934+/-0.139 χ^2/NDF:566698.0/34

All: 878.907+/-0.100 χ^2/NDF: 1056675.2/64

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 27.140+/-0.186 χ^2/NDF:2042.6/15

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 13.148+/-0.198 χ^2/NDF:1991.0/13

Left: 20.605+/-0.136 χ^2/NDF: 6682.8/29

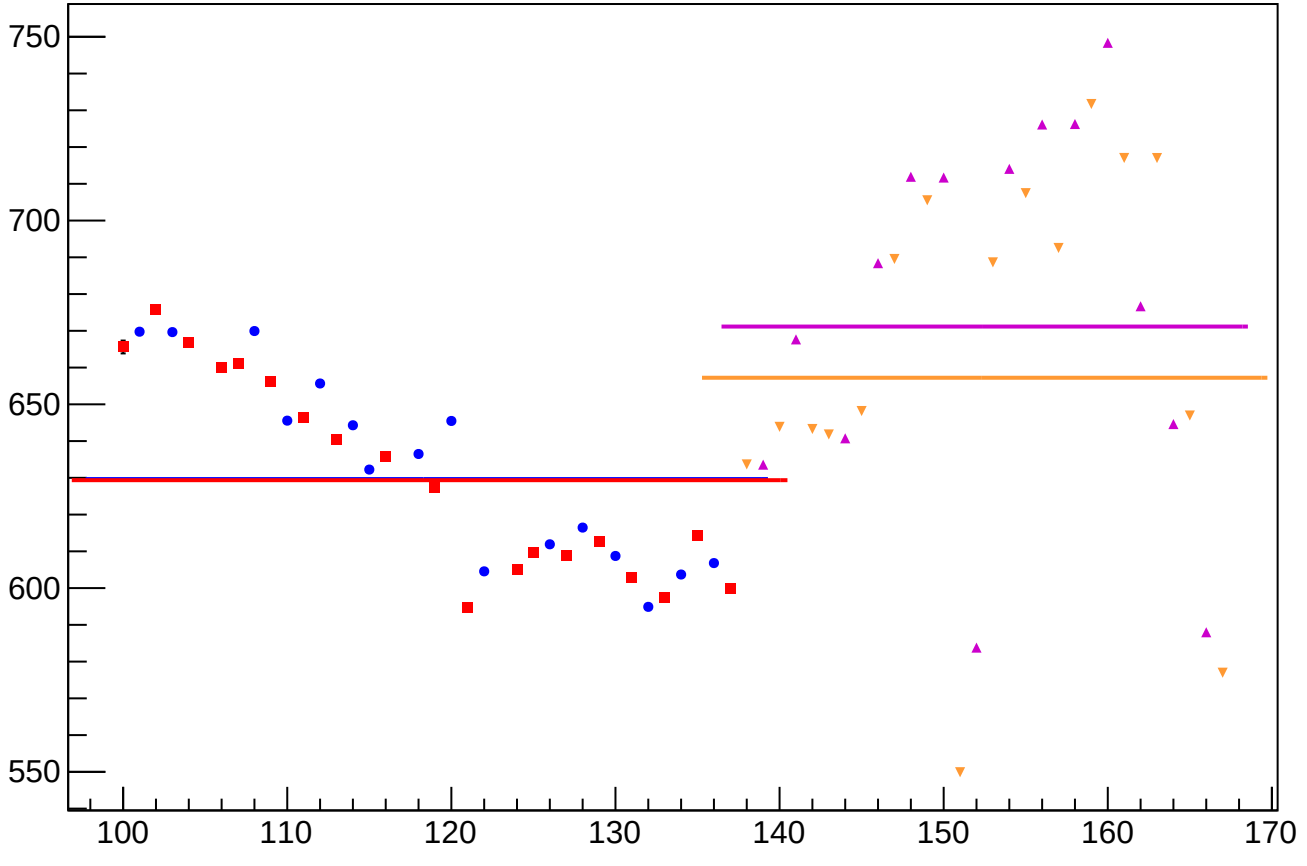
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -0.548+/-0.151 χ^2/NDF:26547.1/29

Out: 5.134+/-0.144 χ^2/NDF:50483.4/34

All: 2.426+/-0.105 χ^2/NDF: 77768.0/64

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 657.231+/-0.131 χ^2/NDF:168815.2/15

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 671.161+/-0.140 χ^2/NDF:129133.6/13

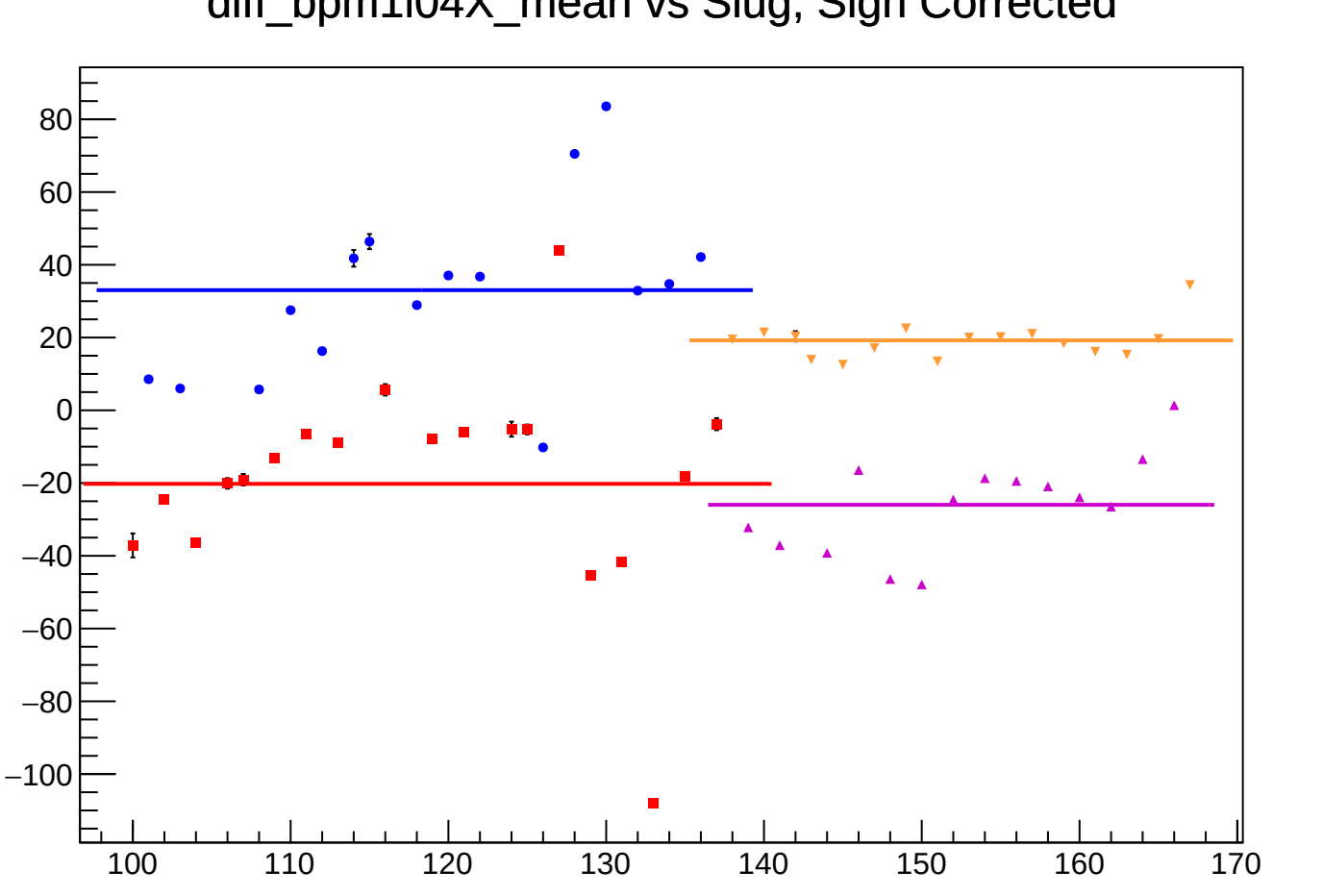
Left: 663.737+/-0.096 χ^2/NDF: 303200.0/29

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

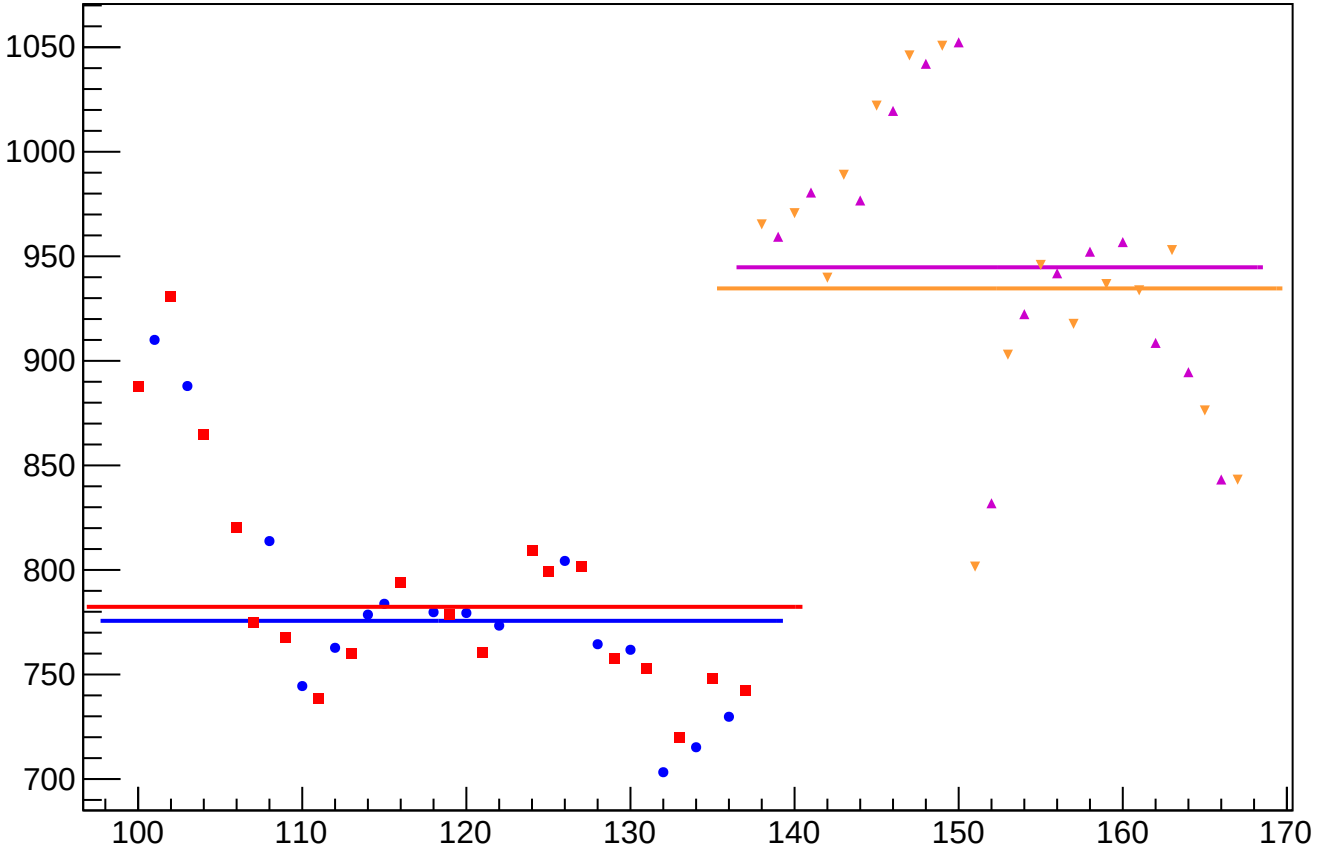
In: 653.803+/-0.107 χ^2/NDF:191028.6/29

Out: 646.207+/-0.102 χ^2/NDF:213407.1/34

All: 649.827+/-0.074 χ^2/NDF: 407071.3/64


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 33.033+/-0.289 χ²/NDF: 6700.1/15
Left Out: 19.230+/-0.264 χ²/NDF:411.5/15
Right Out: -20.215+/-0.286 χ²/NDF: 11869.7/18
Left In: -25.986+/-0.279 χ²/NDF:1953.6/13
Left: -2.114+/-0.192 χ²/NDF: 16234.2/29
Right: 6.136+/-0.203 χ²/NDF: 35729.1/34
In: 2.492+/-0.201 χ²/NDF:30249.2/29
Out: 1.095+/-0.194 χ²/NDF:22561.1/34
All: 1.769+/-0.139 χ²/NDF: 52835.3/64

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 934.648+/-0.187 χ^2/NDF:134323.5/15

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 944.752+/-0.197 χ^2/NDF:103872.6/13

Left: 939.417+/-0.136 χ^2/NDF: 239581.2/29

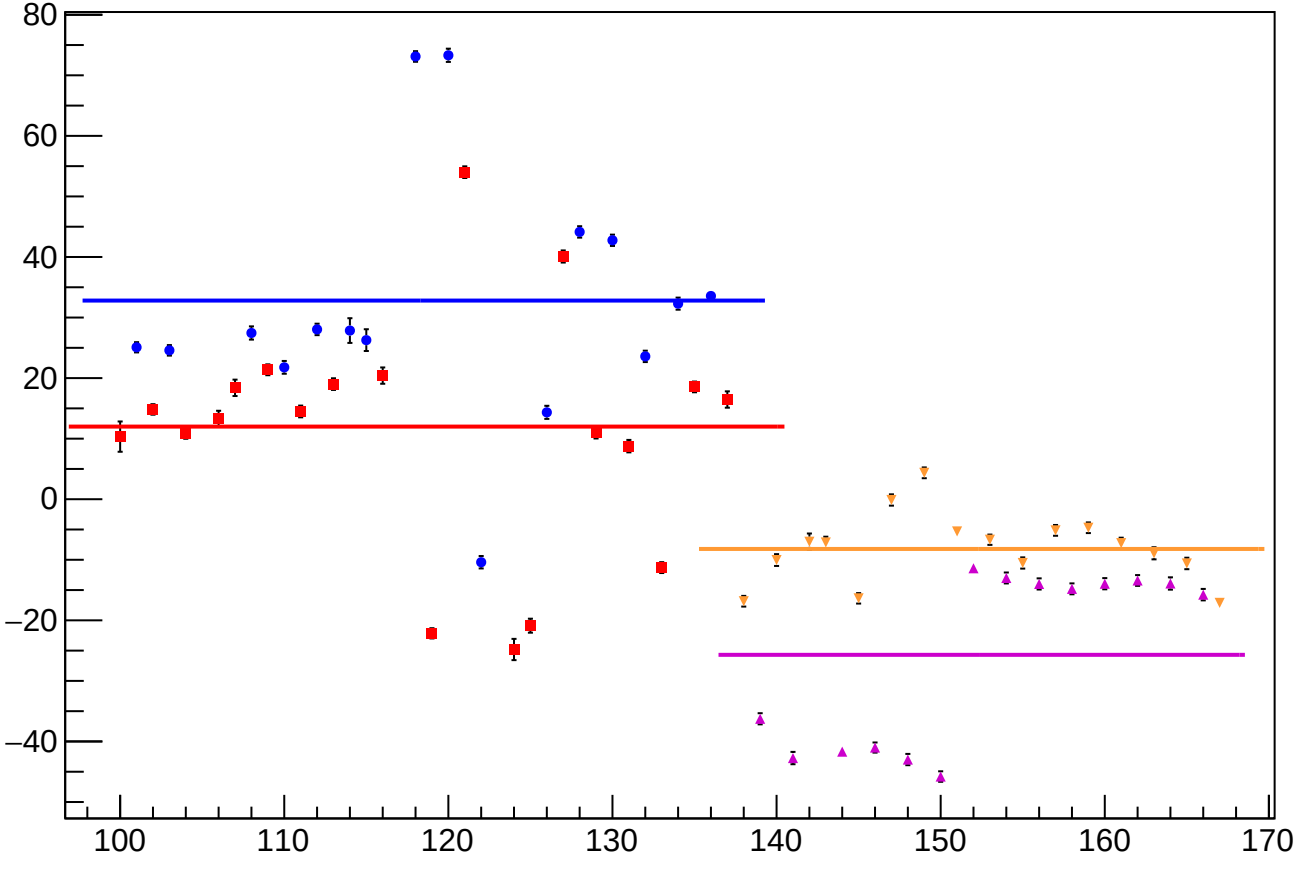
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 863.165+/-0.142 χ^2/NDF:533049.0/29

Out: 864.633+/-0.137 χ^2/NDF:505343.9/34

All: 863.924+/-0.099 χ^2/NDF: 1038448.3/64

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -8.211+/-0.224 χ^2/NDF:655.9/15

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -25.697+/-0.238 χ^2/NDF:3510.8/13

Left: -16.436+/-0.163 χ^2/NDF: 7023.5/29

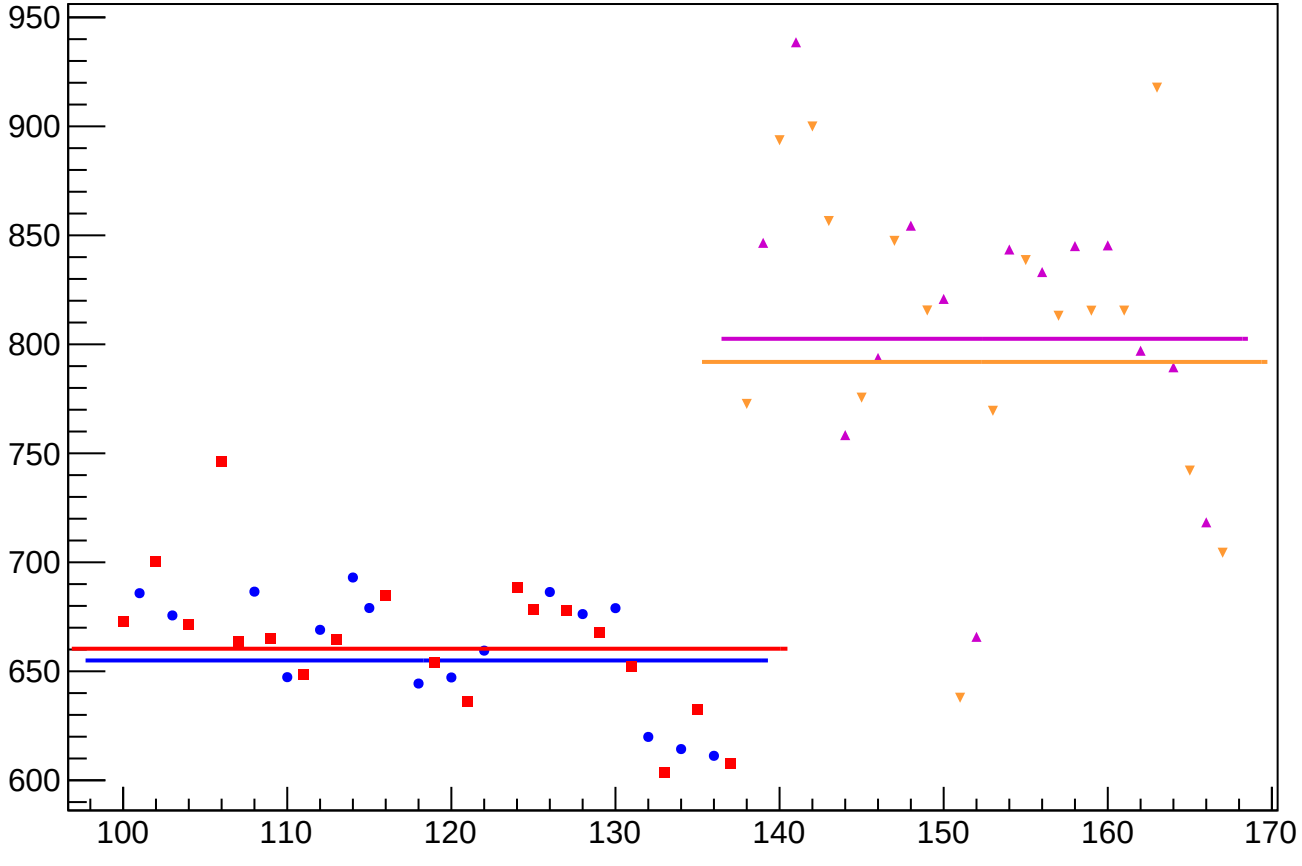
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 2.894+/-0.170 χ^2/NDF:39276.4/29

Out: 1.165+/-0.164 χ^2/NDF:10978.4/34

All: 1.999+/-0.118 χ^2/NDF: 50308.2/64

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 791.932+/-0.159 χ^2/NDF:224756.3/15

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 802.539+/-0.168 χ^2/NDF:156462.1/13

Left: 796.921+/-0.115 χ^2/NDF: 383321.0/29

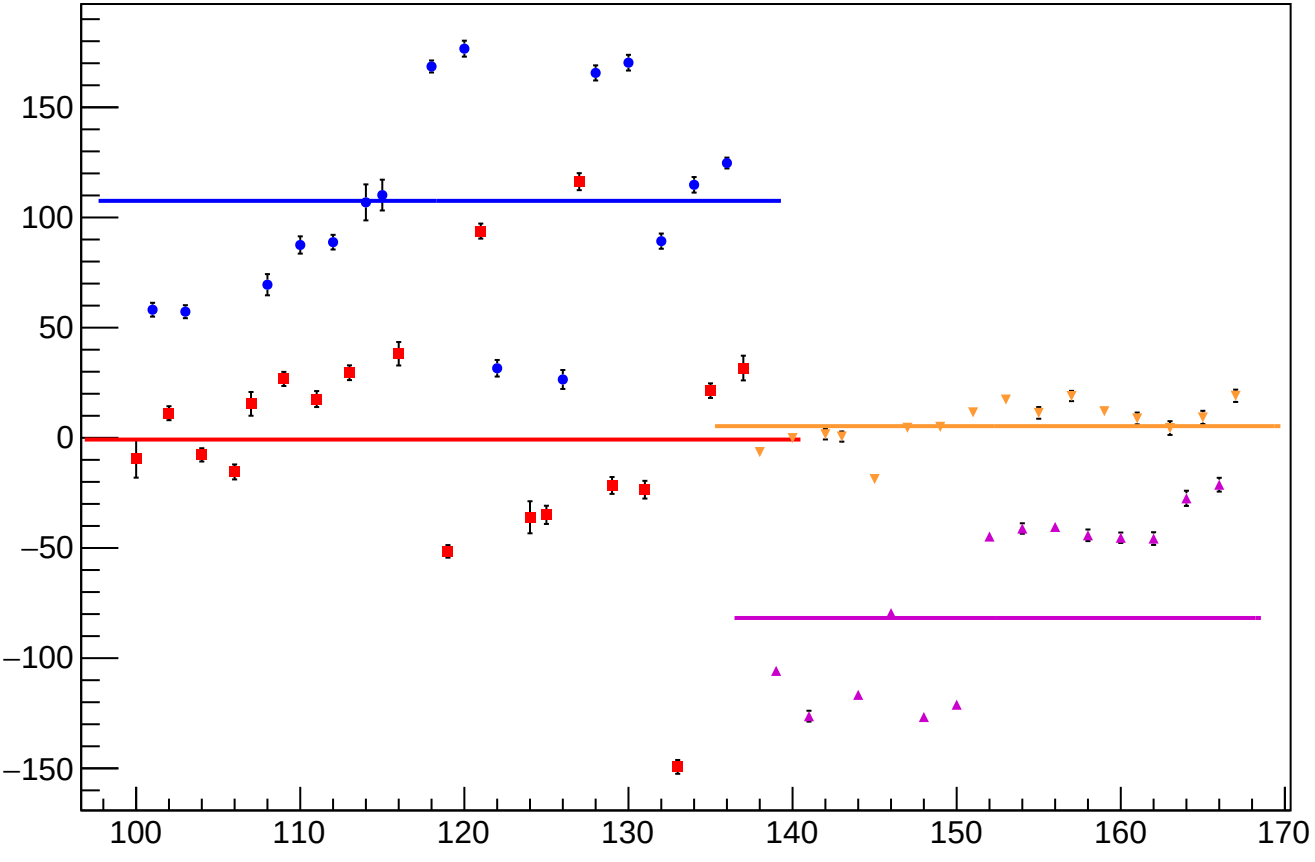
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 730.419+/-0.120 χ^2/NDF:558716.5/29

Out: 730.872+/-0.116 χ^2/NDF:574341.9/34

All: 730.654+/-0.084 χ^2/NDF: 1133065.8/64

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 5.297+/-0.557 χ^2/NDF:306.9/15

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -81.763+/-0.578 χ^2/NDF:4164.0/13

Left: -36.586+/-0.401 χ^2/NDF: 16225.0/29

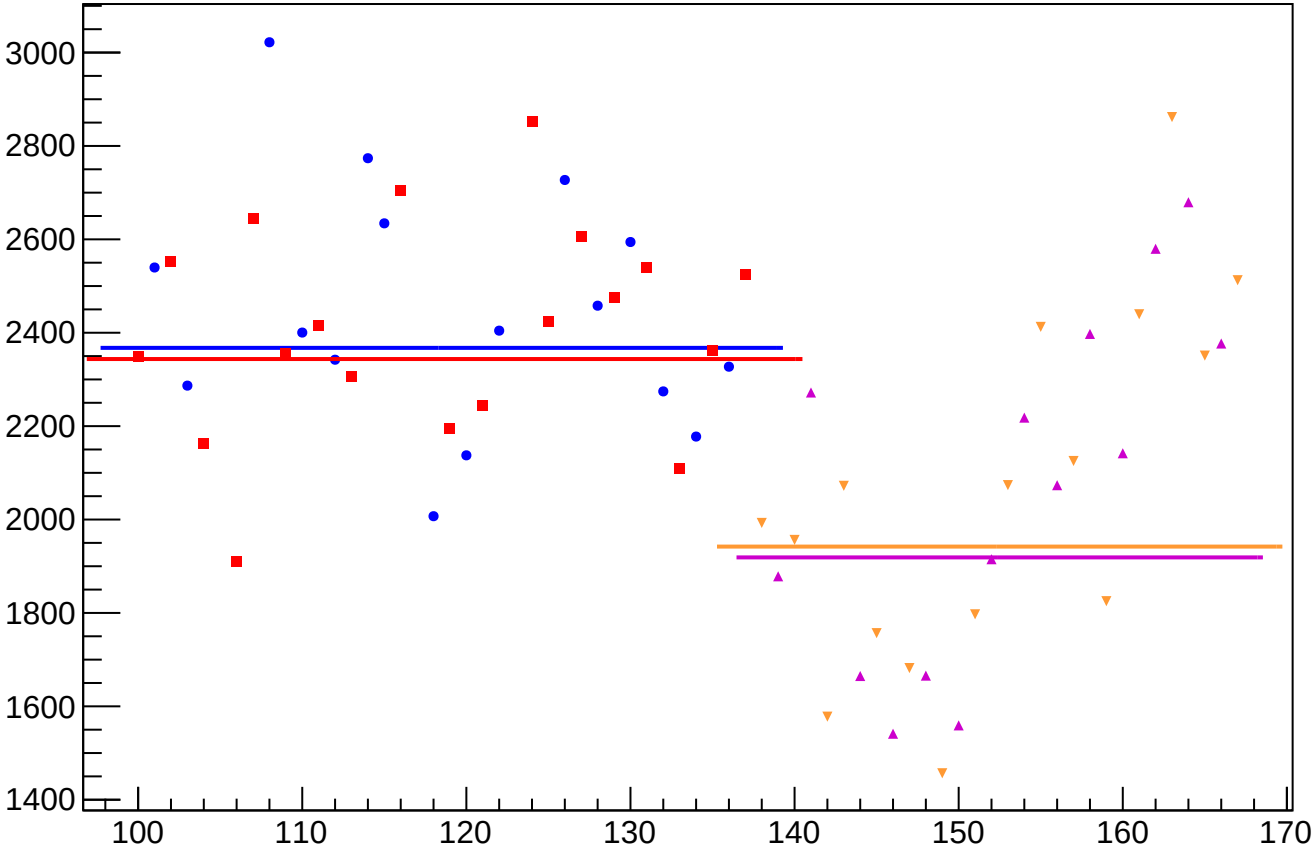
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -25.125+/-0.484 χ^2/NDF:39163.4/29

Out: 3.501+/-0.468 χ^2/NDF:5106.0/34

All: -10.312+/-0.336 χ^2/NDF: 46077.6/64

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1942.079+/-0.394 χ^2/NDF:757066.9/15

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1918.916+/-0.409 χ^2/NDF:693481.2/13

Left: 1930.936+/-0.284 χ^2/NDF: 1452212.2/29

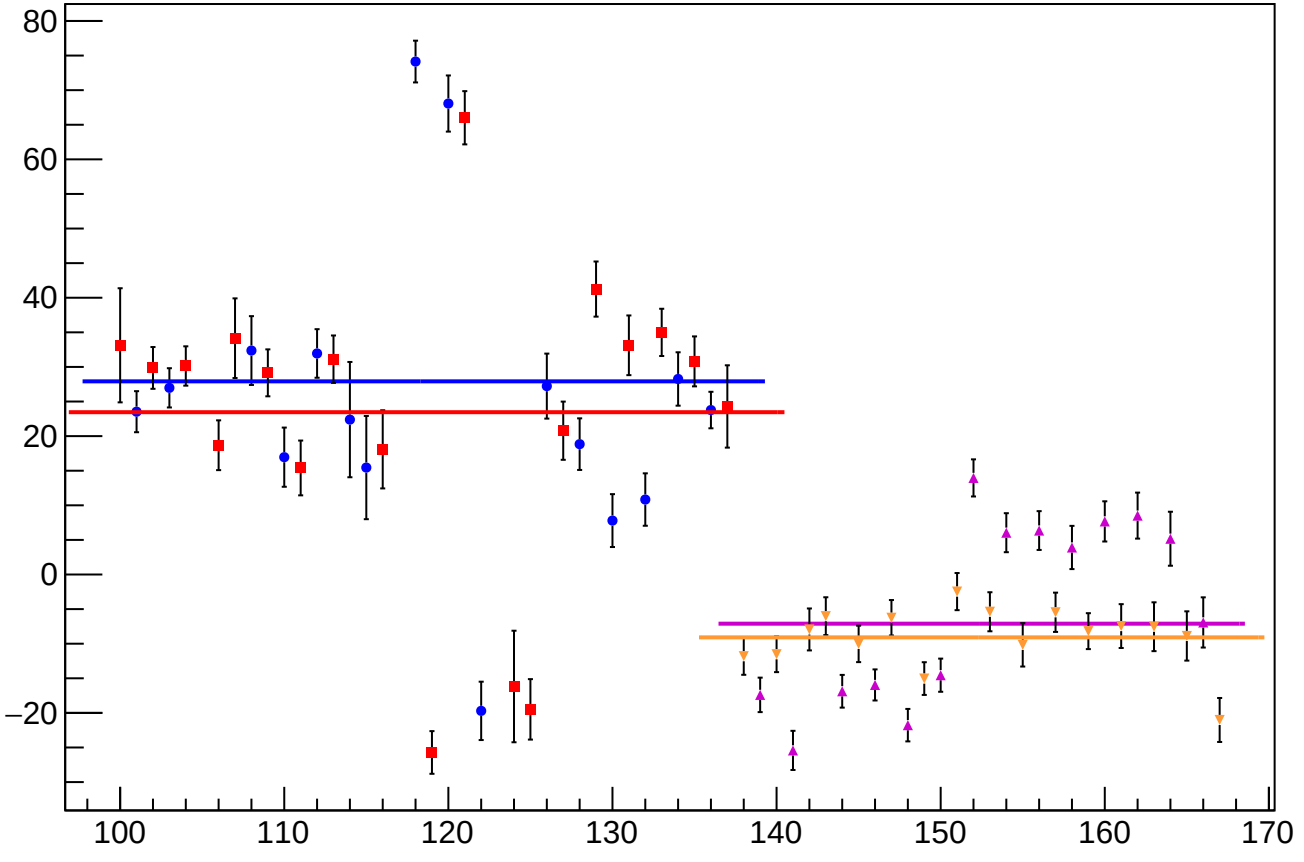
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2053.163+/-0.342 χ^2/NDF:1180296.9/29

Out: 2060.597+/-0.331 χ^2/NDF:1176226.2/34

All: 2057.010+/-0.238 χ^2/NDF: 2356767.1/64

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.086+/-0.707 χ^2/NDF:35.3/15

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.107+/-0.732 χ^2/NDF:317.1/13

Left: -8.132+/-0.508 χ^2/NDF: 356.1/29

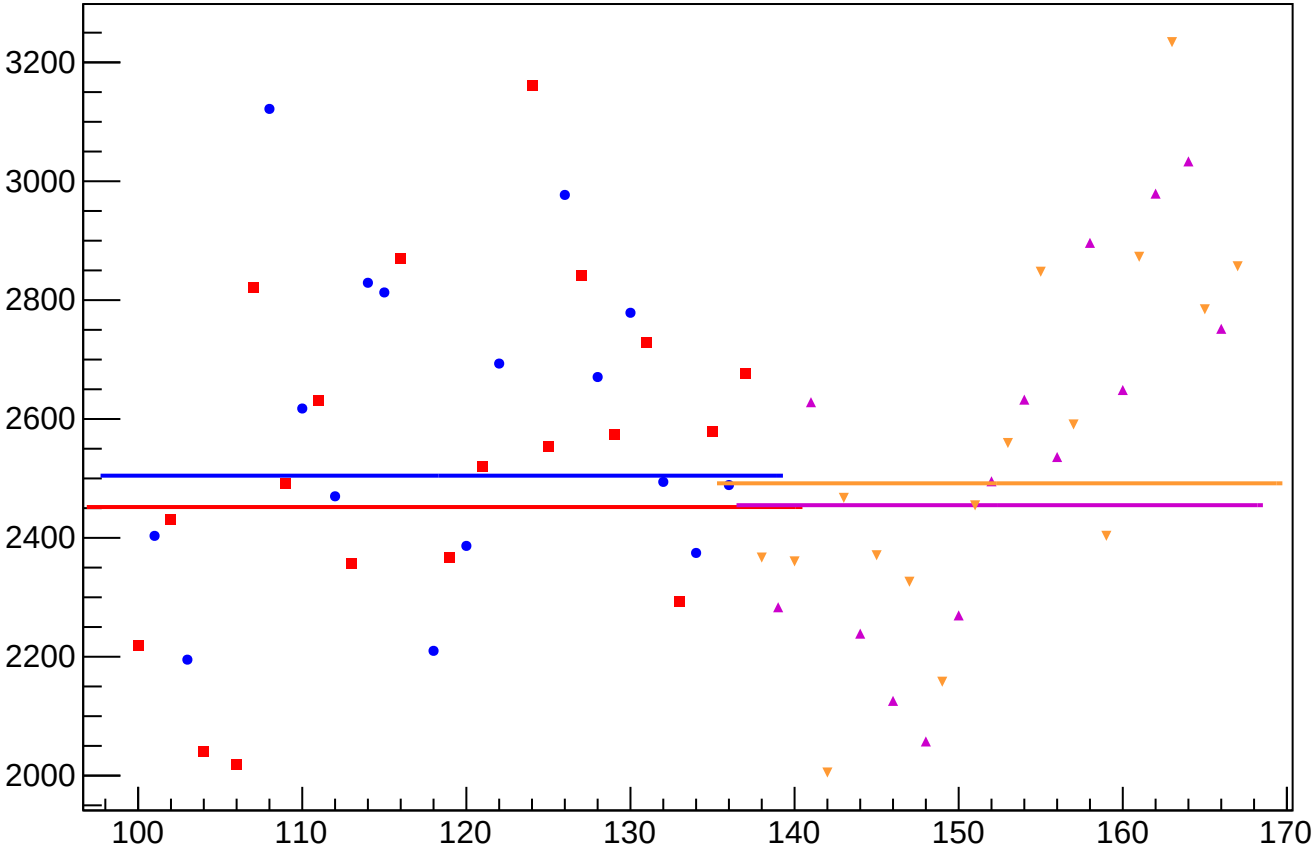
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.181+/-0.577 χ^2/NDF:1715.3/29

Out: 3.278+/-0.556 χ^2/NDF:1409.2/34

All: 4.676+/-0.401 χ^2/NDF: 3137.5/64

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2491.785+/-0.500 χ^2/NDF:303169.0/15

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2454.997+/-0.518 χ^2/NDF:311997.6/13

Left: 2474.054+/-0.360 χ^2/NDF: 617780.2/29

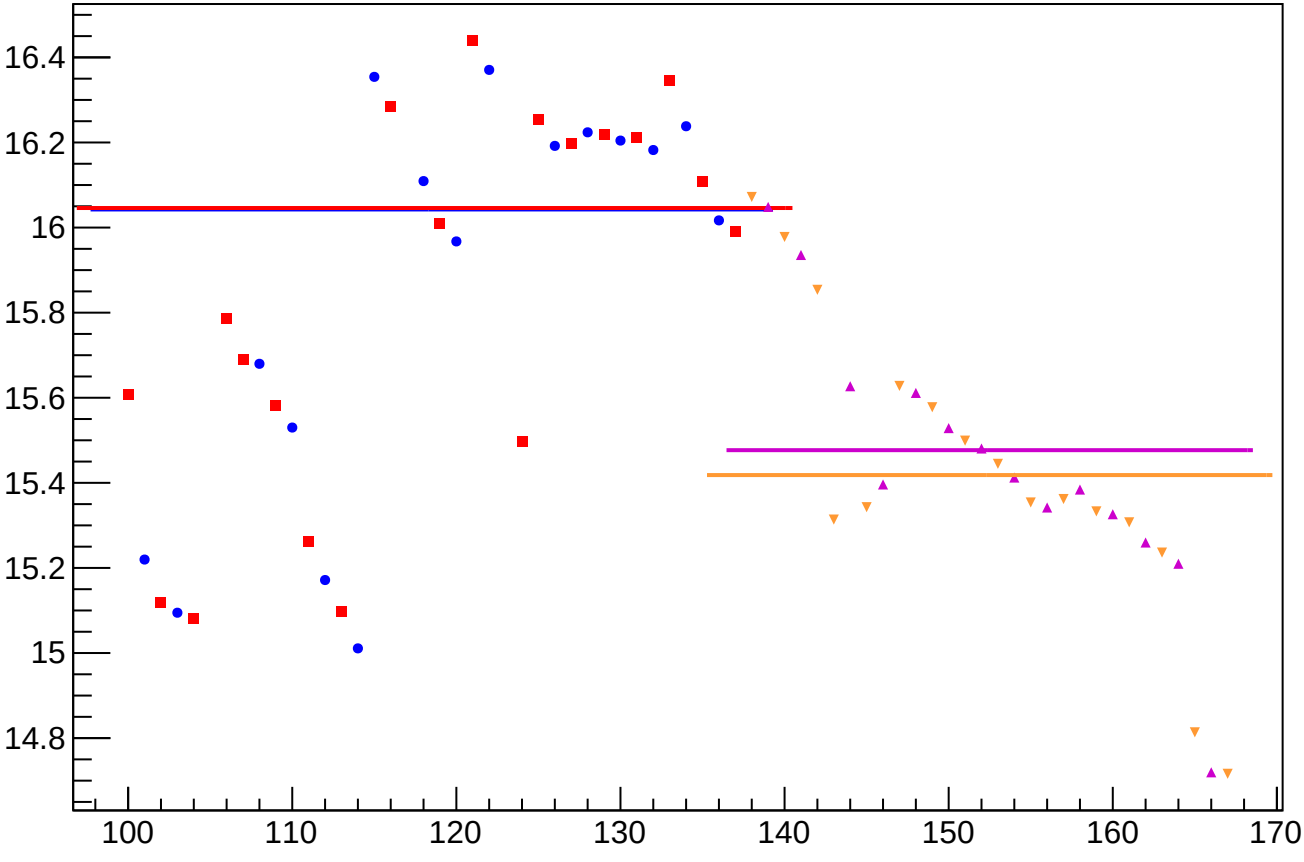
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2473.837+/-0.408 χ^2/NDF:442084.3/29

Out: 2476.625+/-0.393 χ^2/NDF:458830.2/34

All: 2475.282+/-0.283 χ^2/NDF: 900938.7/64

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.418+/-0.000 χ^2/NDF:12956900997.3/15

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.477+/-0.000 χ^2/NDF:8371951314.8/13

Left: 15.445+/-0.000 χ^2/NDF: 21491610292.9/29

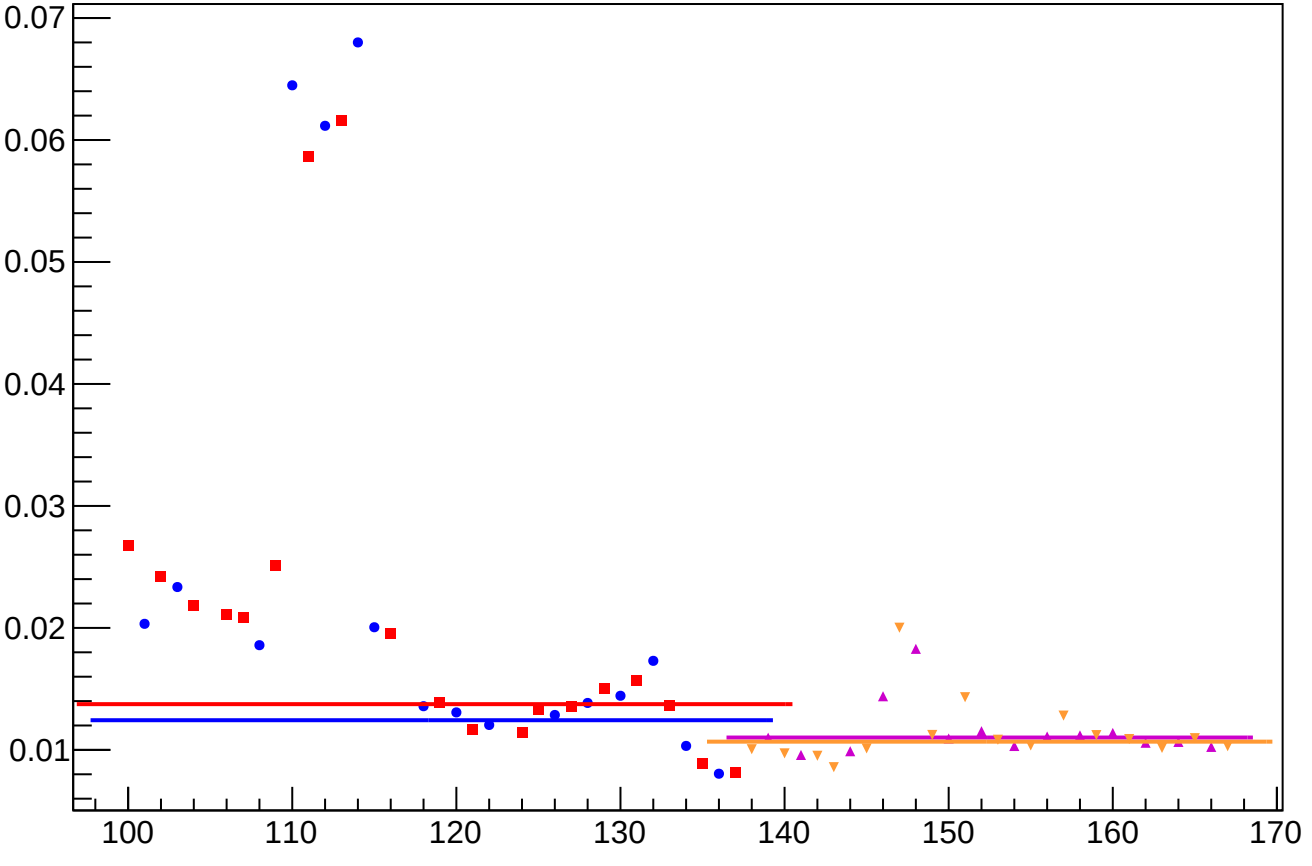
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.639+/-0.000 χ^2/NDF:19338684417.3/29

Out: 15.561+/-0.000 χ^2/NDF:25677009767.1/34

All: 15.599+/-0.000 χ^2/NDF: 45413747311.1

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:638291.9/15

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:421034.5/13

Left: 0.011+/-0.000 χ^2/NDF: 1070130.2/29

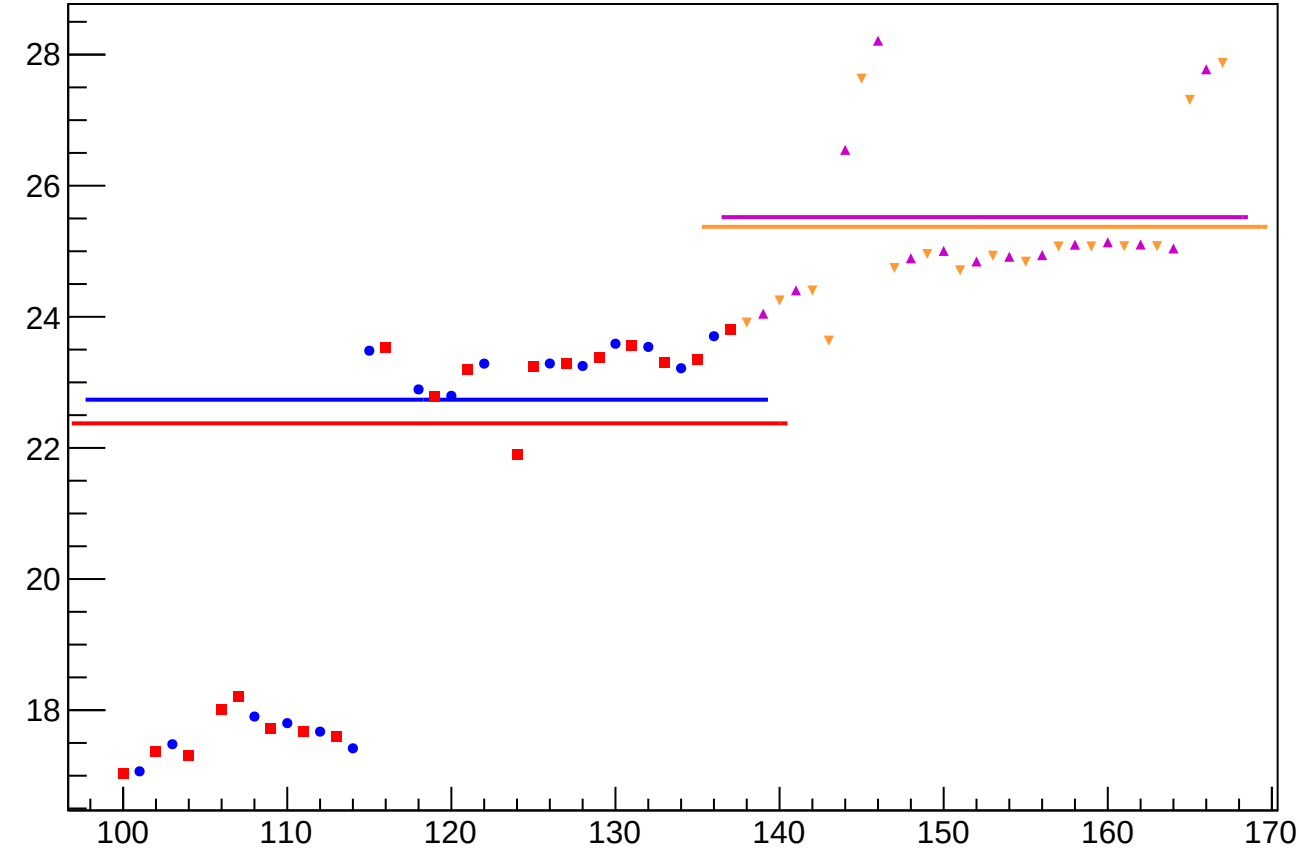
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2840247.5/29

Out: 0.011+/-0.000 χ^2/NDF:3308951.8/34

All: 0.011+/-0.000 χ^2/NDF: 6149497.6/64

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.373+/-0.000 χ^2/NDF:1524369059.2/15

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.521+/-0.000 χ^2/NDF:959769913.3/13

Left: 25.441+/-0.000 χ^2/NDF: 2492459931.9/29

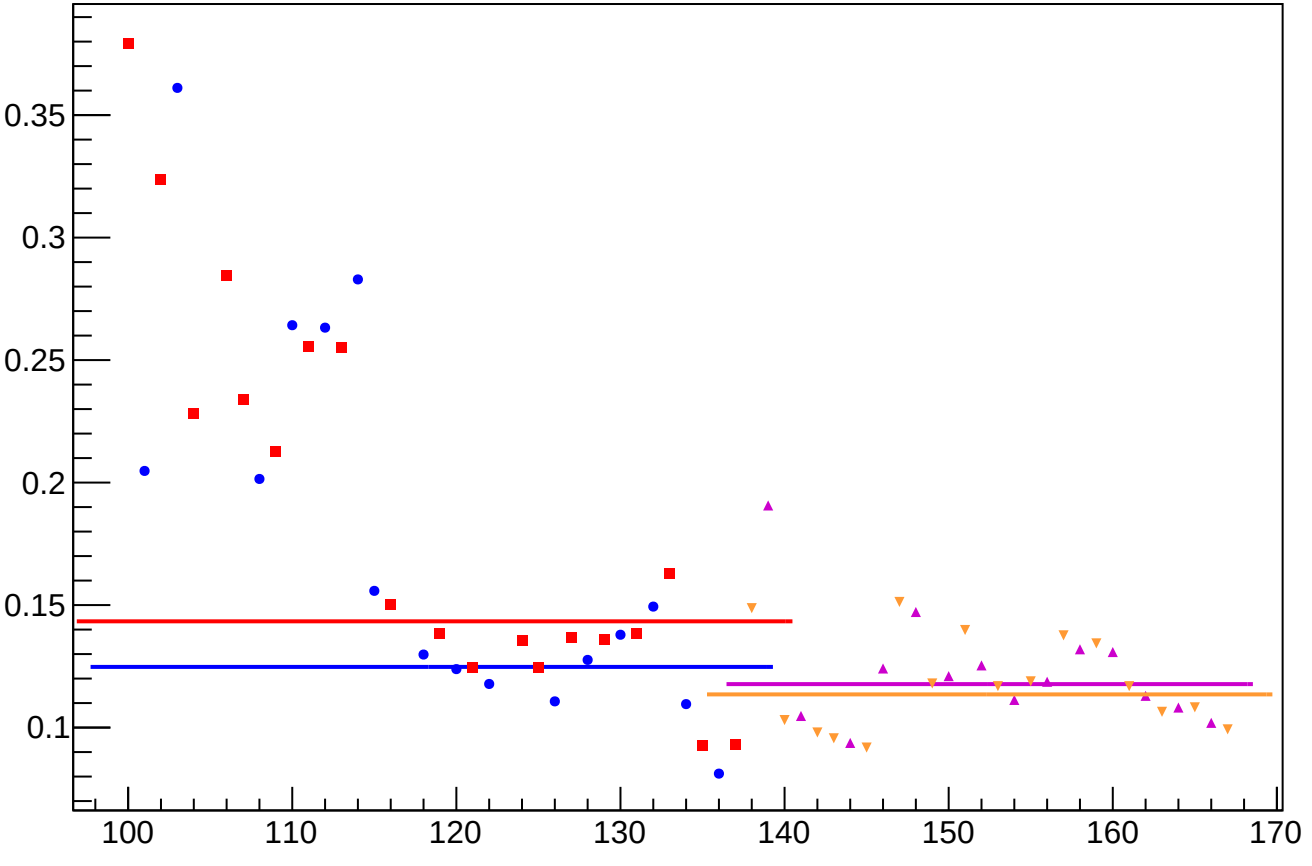
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.612+/-0.000 χ^2/NDF:3975376691.0/29

Out: 24.617+/-0.000 χ^2/NDF:4619287025.5/34

All: 24.615+/-0.000 χ^2/NDF: 8594675536.9/6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.114+/-0.000 χ^2/NDF:503511.3/15

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.118+/-0.000 χ^2/NDF:509865.2/13

Left: 0.115+/-0.000 χ^2/NDF: 1026854.4/29

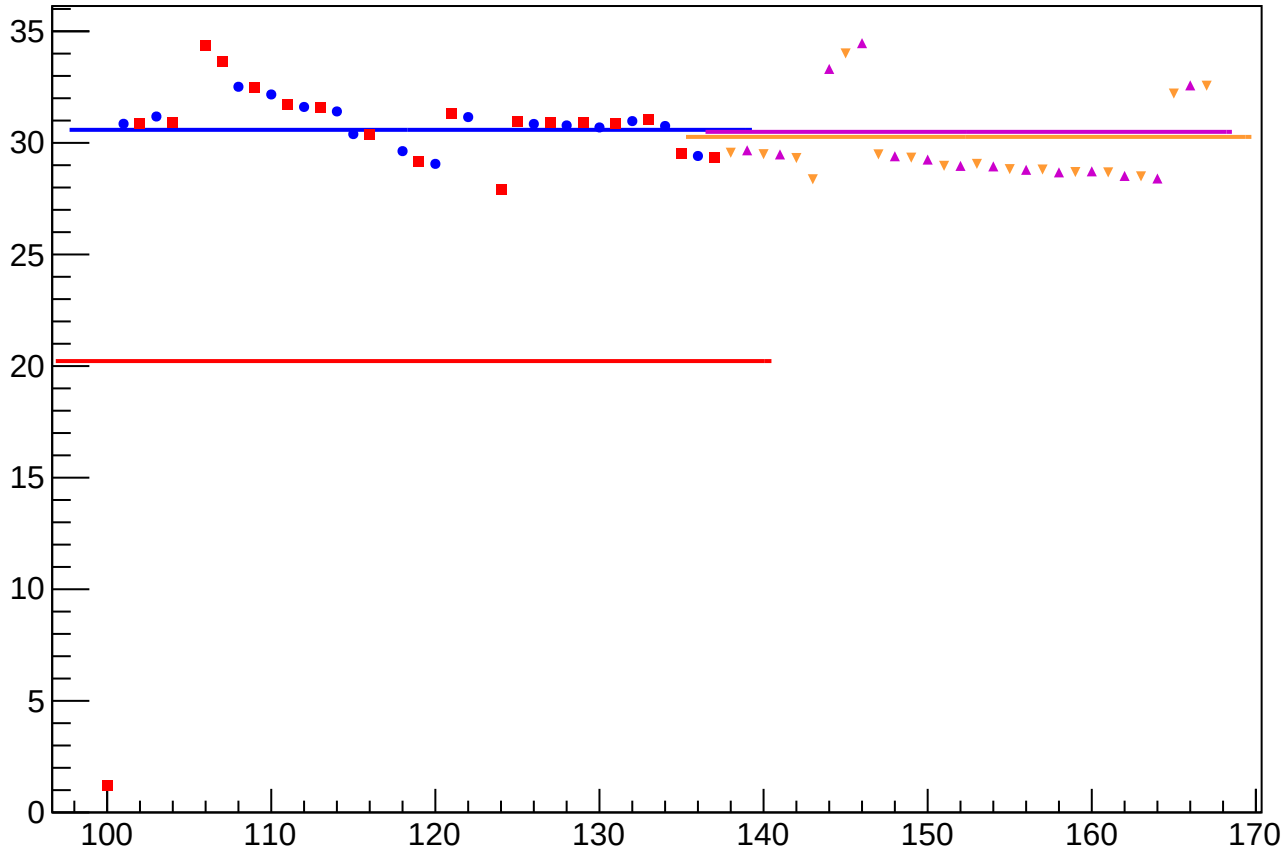
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.120+/-0.000 χ^2/NDF:2282511.2/29

Out: 0.121+/-0.000 χ^2/NDF:2445521.4/34

All: 0.121+/-0.000 χ^2/NDF: 4729183.8/64

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.268+/-0.000 χ^2/NDF:8818593147.2/15

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 30.494+/-0.000 χ^2/NDF:9997802514.9/13

Left: 30.375+/-0.000 χ^2/NDF: 18870120454.8/29

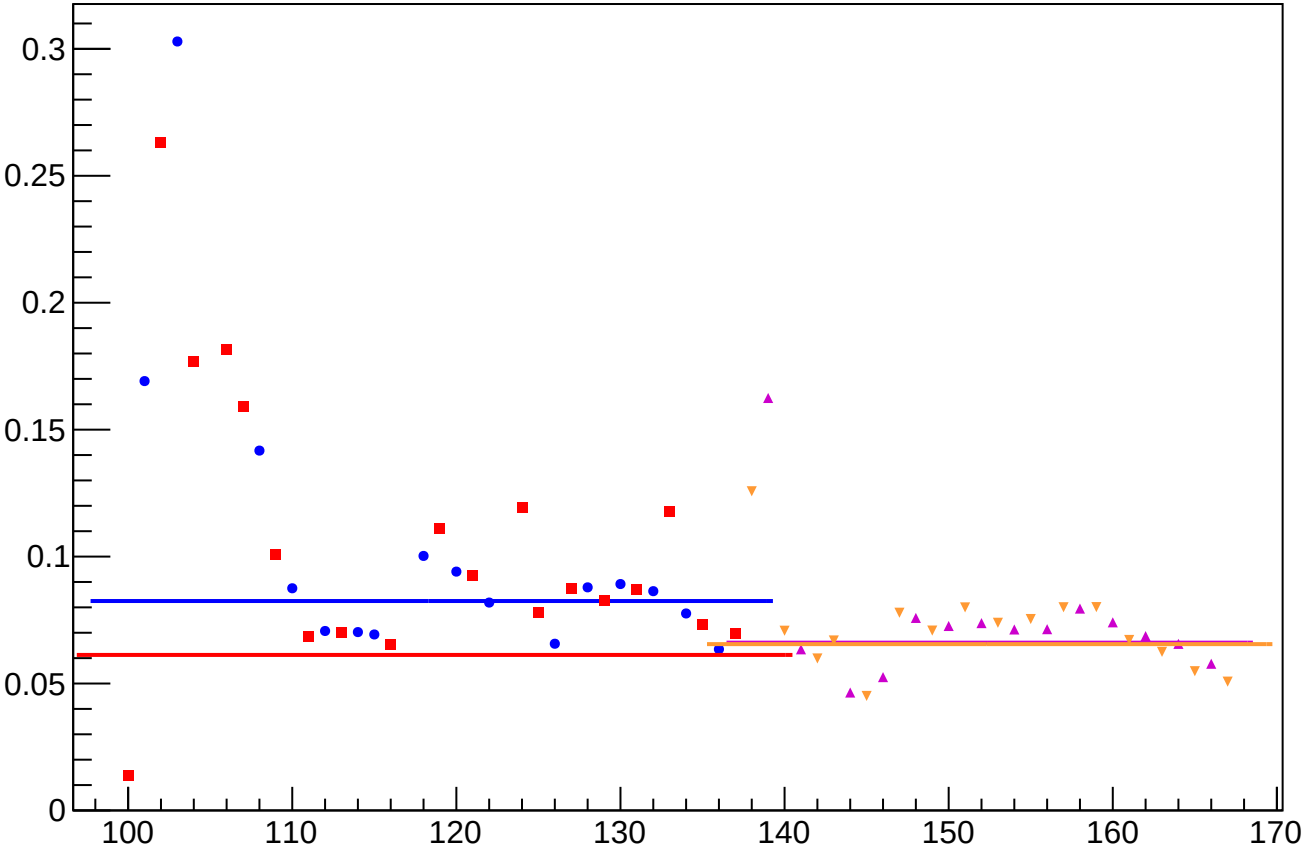
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.520+/-0.000 χ^2/NDF:10654588885.0/29

Out: 26.963+/-0.000 χ^2/NDF:303728663837.6/34

All: 28.580+/-0.000 χ^2/NDF: 333409498216.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.066+/-0.000 χ^2/NDF:922909.0/15

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.066+/-0.000 χ^2/NDF:1034190.3/13

Left: 0.066+/-0.000 χ^2/NDF: 1957801.2/29

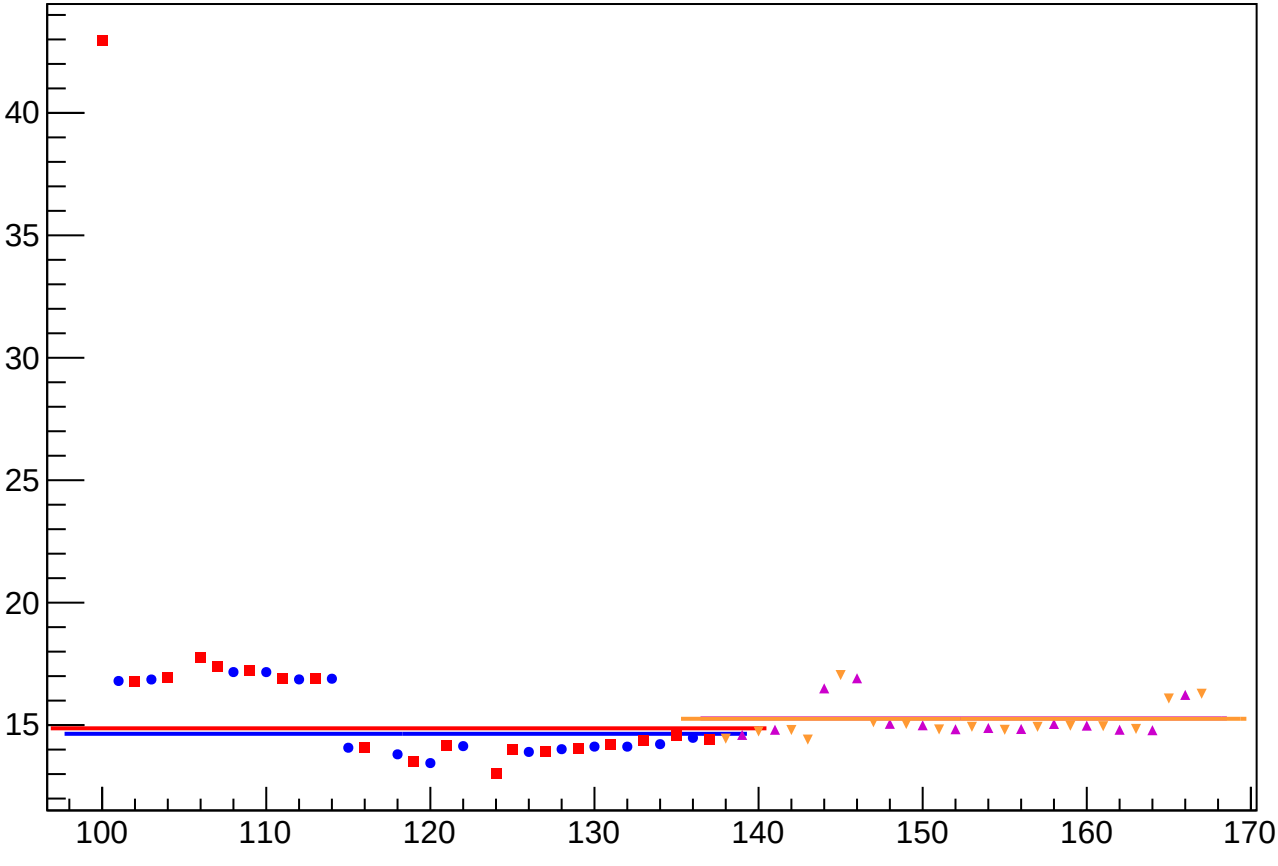
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2595189.7/29

Out: 0.064+/-0.000 χ^2/NDF:4963641.3/34

All: 0.067+/-0.000 χ^2/NDF: 7689088.4/64

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.258+/-0.000 χ^2/NDF:1374221539.6/15

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.273+/-0.000 χ^2/NDF:1053029824.5/13

Left: 15.265+/-0.000 χ^2/NDF: 2427509609.3/29

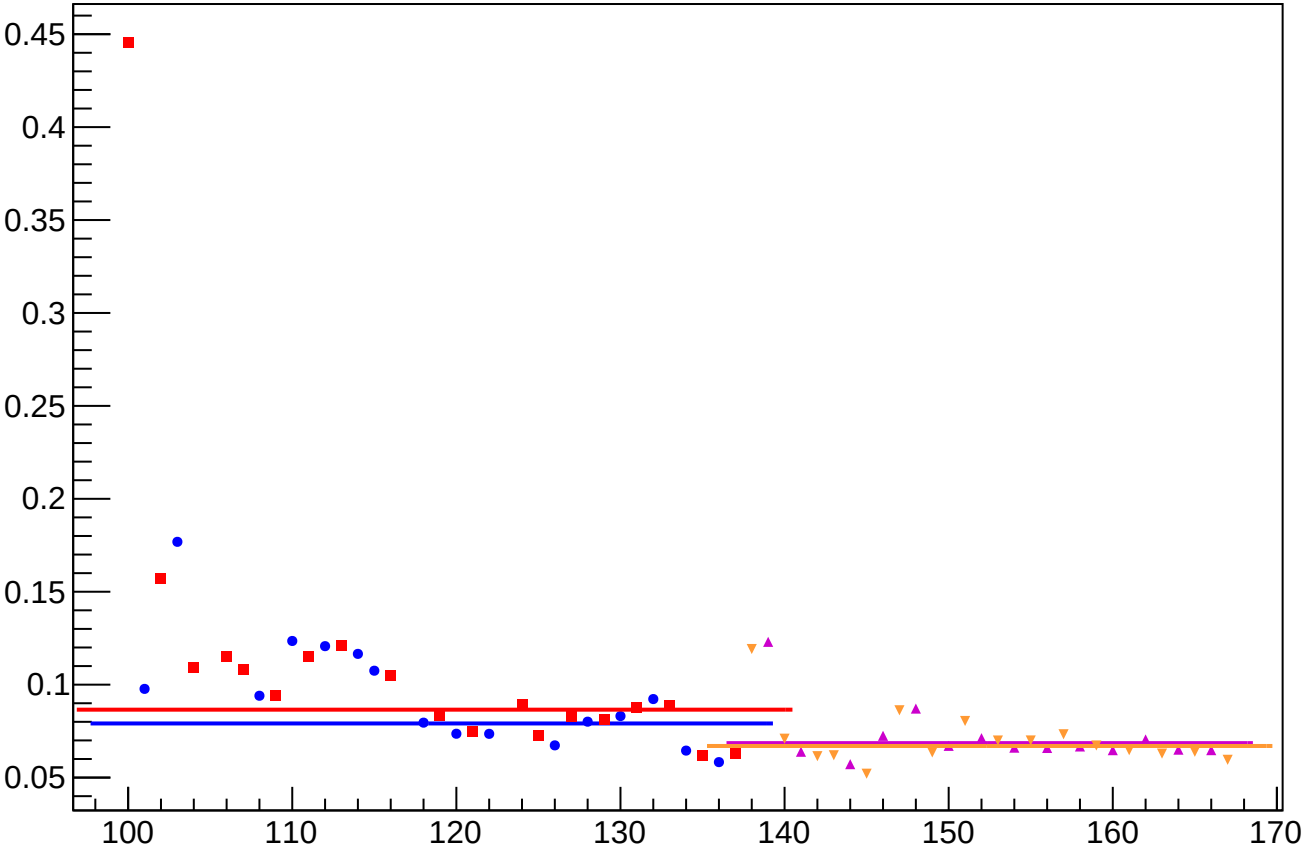
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.076+/-0.000 χ^2/NDF:2501987932.7/29

Out: 15.157+/-0.000 χ^2/NDF:3196601081.6/34

All: 15.118+/-0.000 χ^2/NDF: 5708547331.2/6

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.067+/-0.000 χ^2/NDF:561843.6/15

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:476310.3/13

Left: 0.068+/-0.000 χ^2/NDF: 1043326.6/29

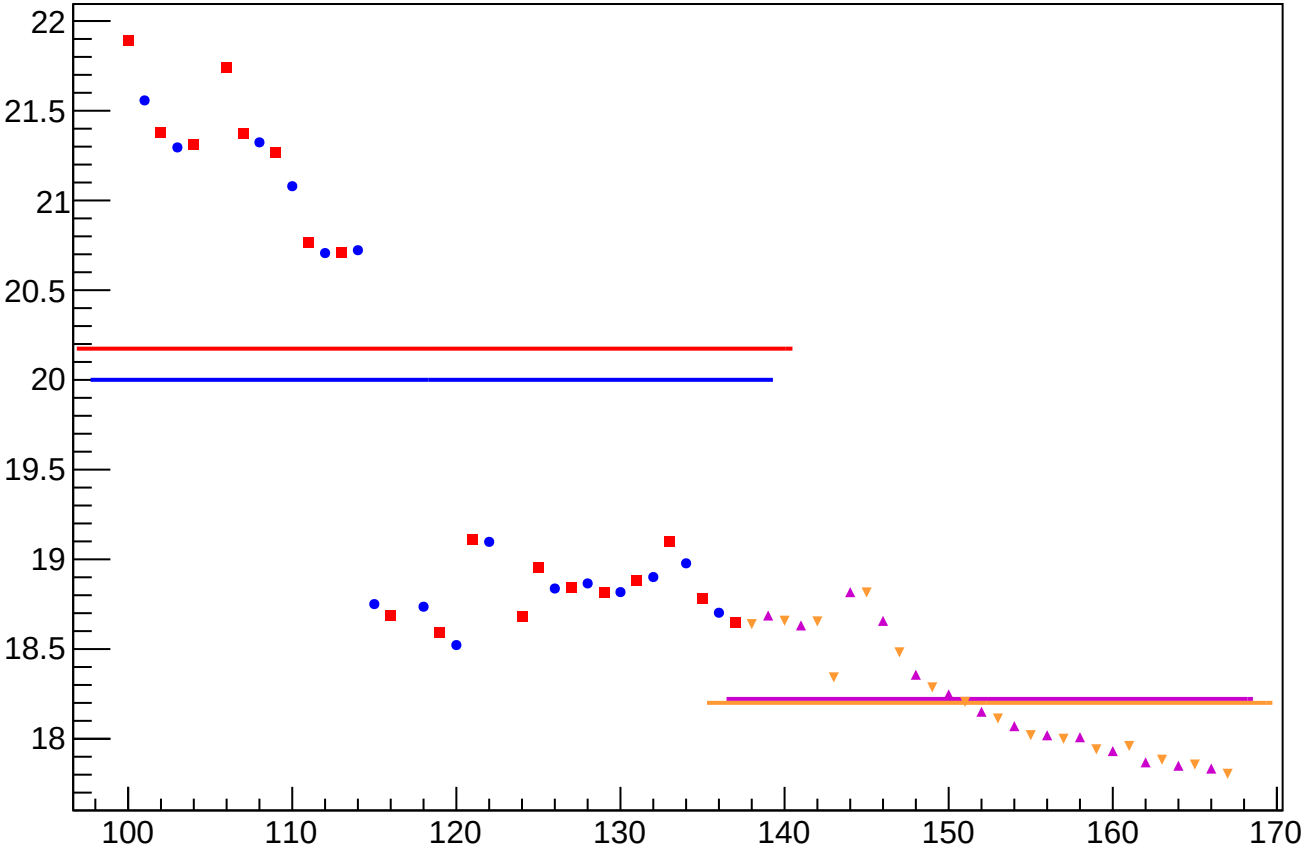
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.072+/-0.000 χ^2/NDF:1538926.6/29

Out: 0.072+/-0.000 χ^2/NDF:1819188.6/34

All: 0.072+/-0.000 χ^2/NDF: 3358262.6/64

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.200+/-0.000 χ^2/NDF:1197450854.9/15

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.222+/-0.000 χ^2/NDF:1117212094.6/13

Left: 18.211+/-0.000 χ^2/NDF: 2317283337.8/29

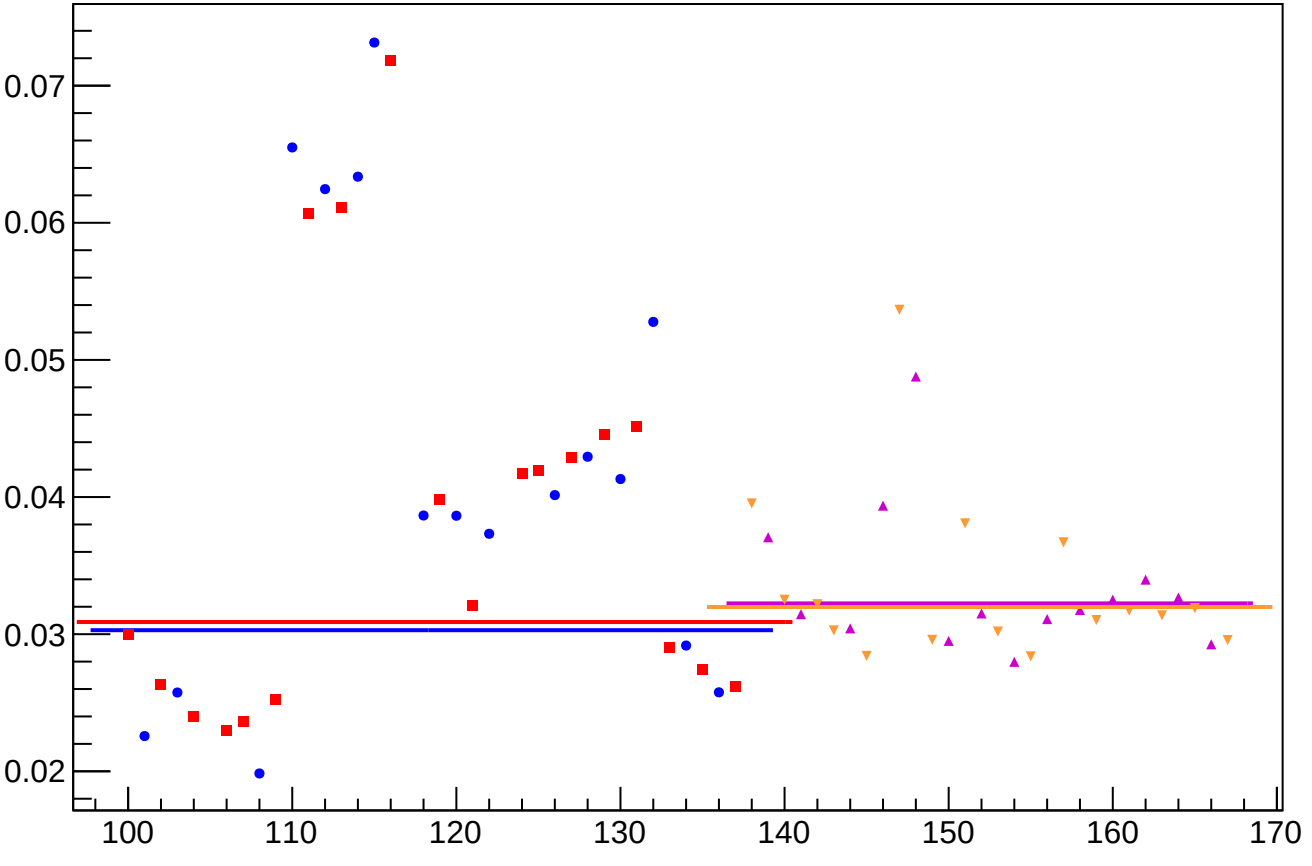
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.905+/-0.000 χ^2/NDF:24660940048.3/29

Out: 18.910+/-0.000 χ^2/NDF:27885498778.2/34

All: 18.908+/-0.000 χ^2/NDF: 52546725030.5

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:465593.7/15

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:343603.7/13

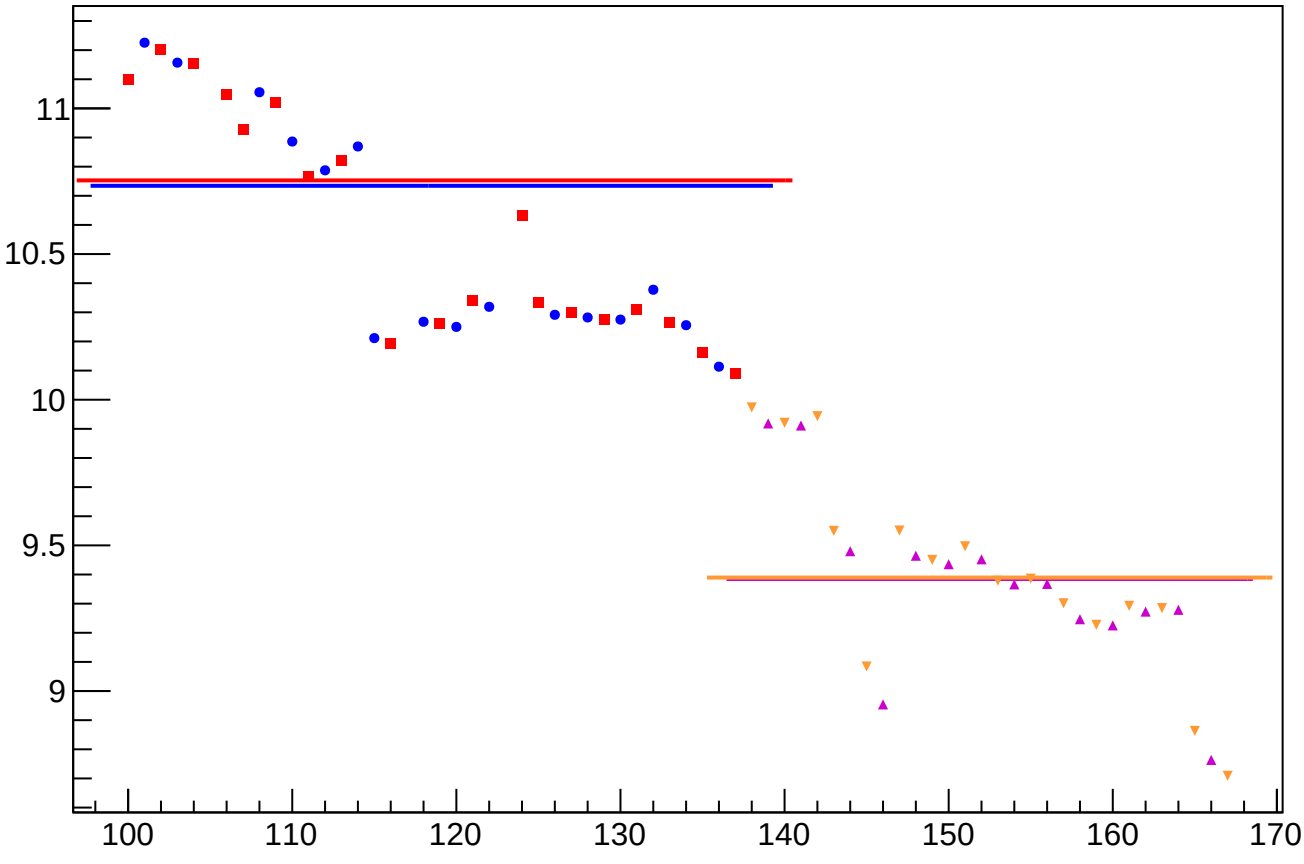
Left: 0.032+/-0.000 χ^2/NDF: 809955.5/29

Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1821591.8/29

Out: 0.032+/-0.000 χ^2/NDF:1680350.5/34

All: 0.032+/-0.000 χ^2/NDF: 3502095.1/64



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.390+/-0.000 χ^2/NDF:3335535473.0/15

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.385+/-0.000 χ^2/NDF:1976695443.7/13

Left: 9.387+/-0.000 χ^2/NDF: 5312551065.4/29

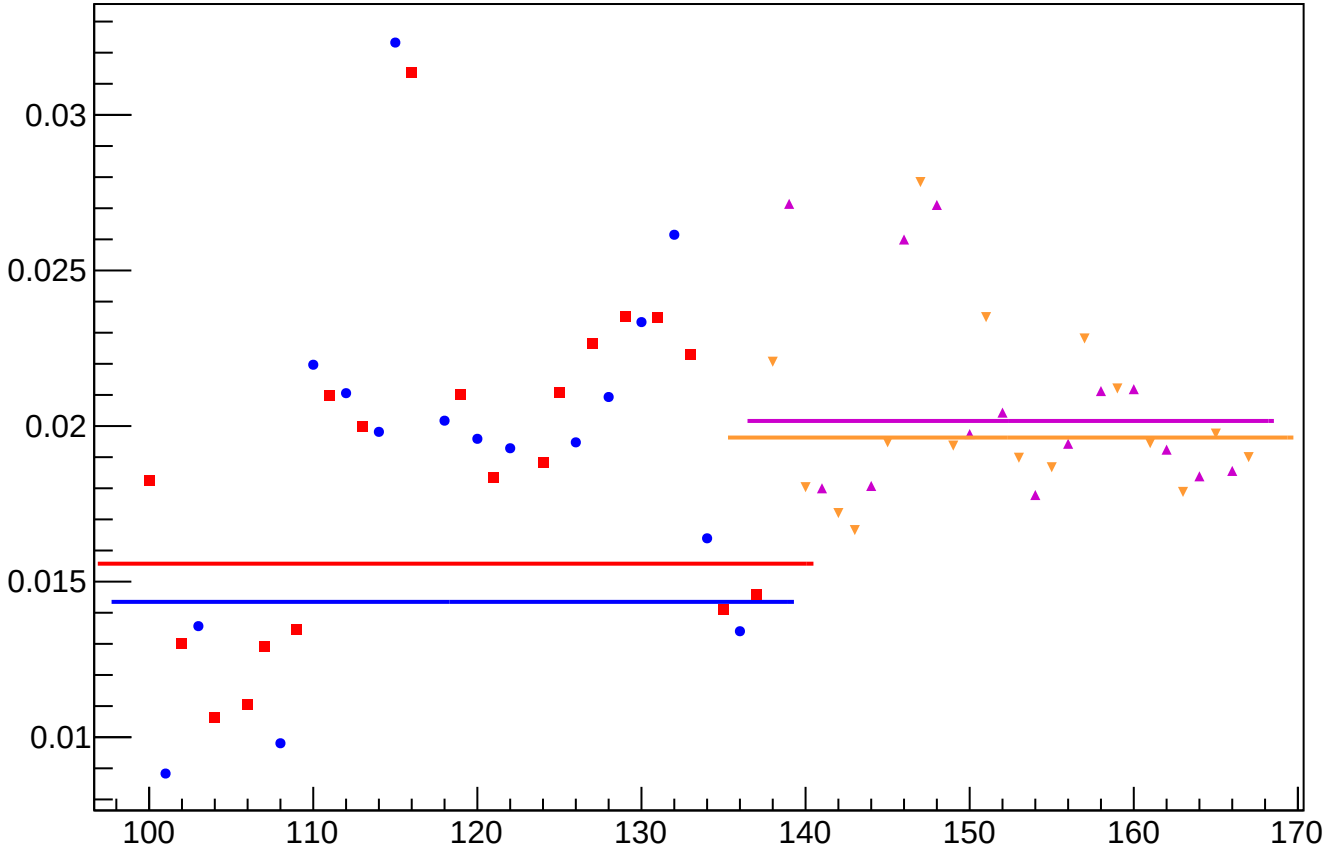
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.085+/-0.000 χ^2/NDF:32052735943.4/29

Out: 10.021+/-0.000 χ^2/NDF:33129048587.1/34

All: 10.053+/-0.000 χ^2/NDF: 65293188757.5

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:332106.7/15

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:399937.9/13

Left: 0.020+/-0.000 χ^2/NDF: 739844.5/29

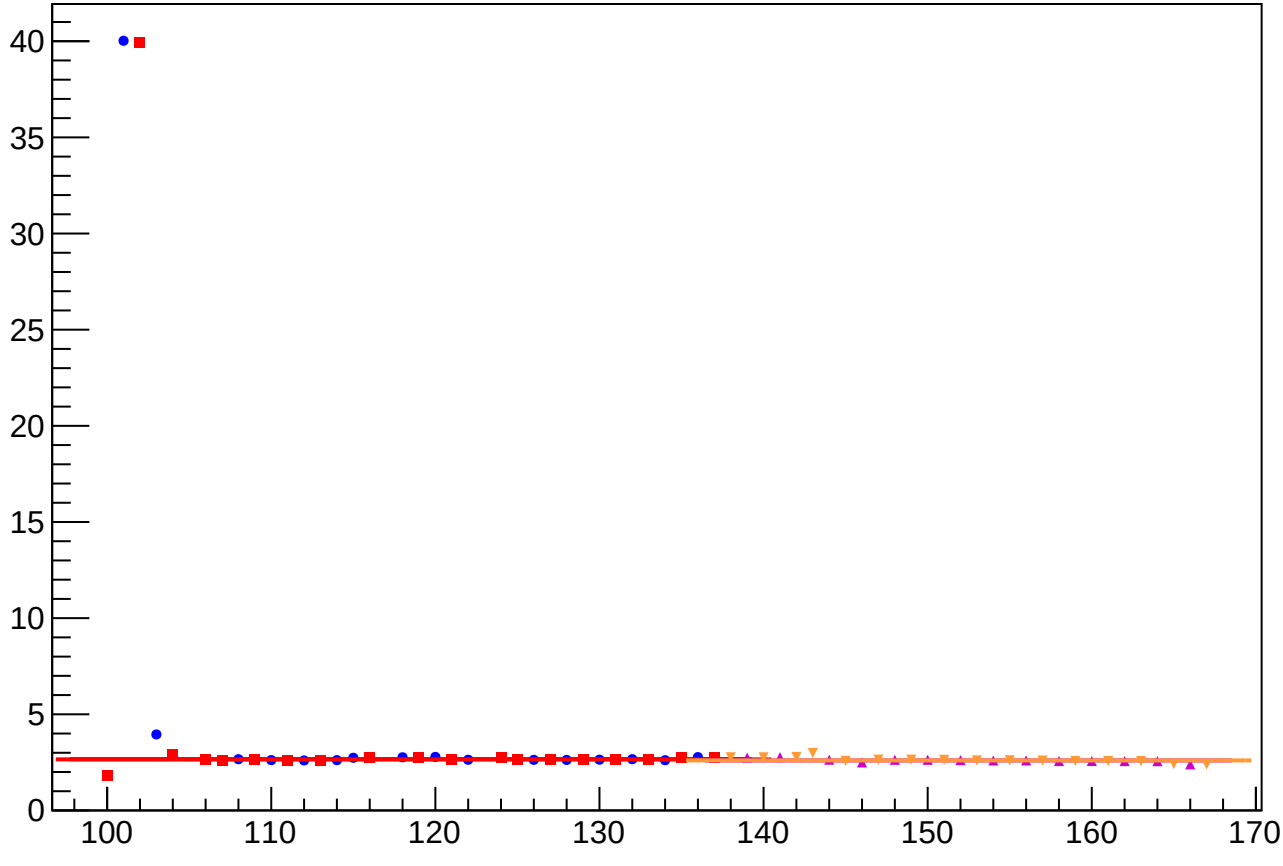
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2779823.7/29

Out: 0.018+/-0.000 χ^2/NDF:1854153.3/34

All: 0.017+/-0.000 χ^2/NDF: 4653893.3/64

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.602+/-0.000 χ^2/NDF:37395062898.0/15

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.601+/-0.000 χ^2/NDF:13451951369.5/13

Left: 2.601+/-0.000 χ^2/NDF: 50848776007.6/29

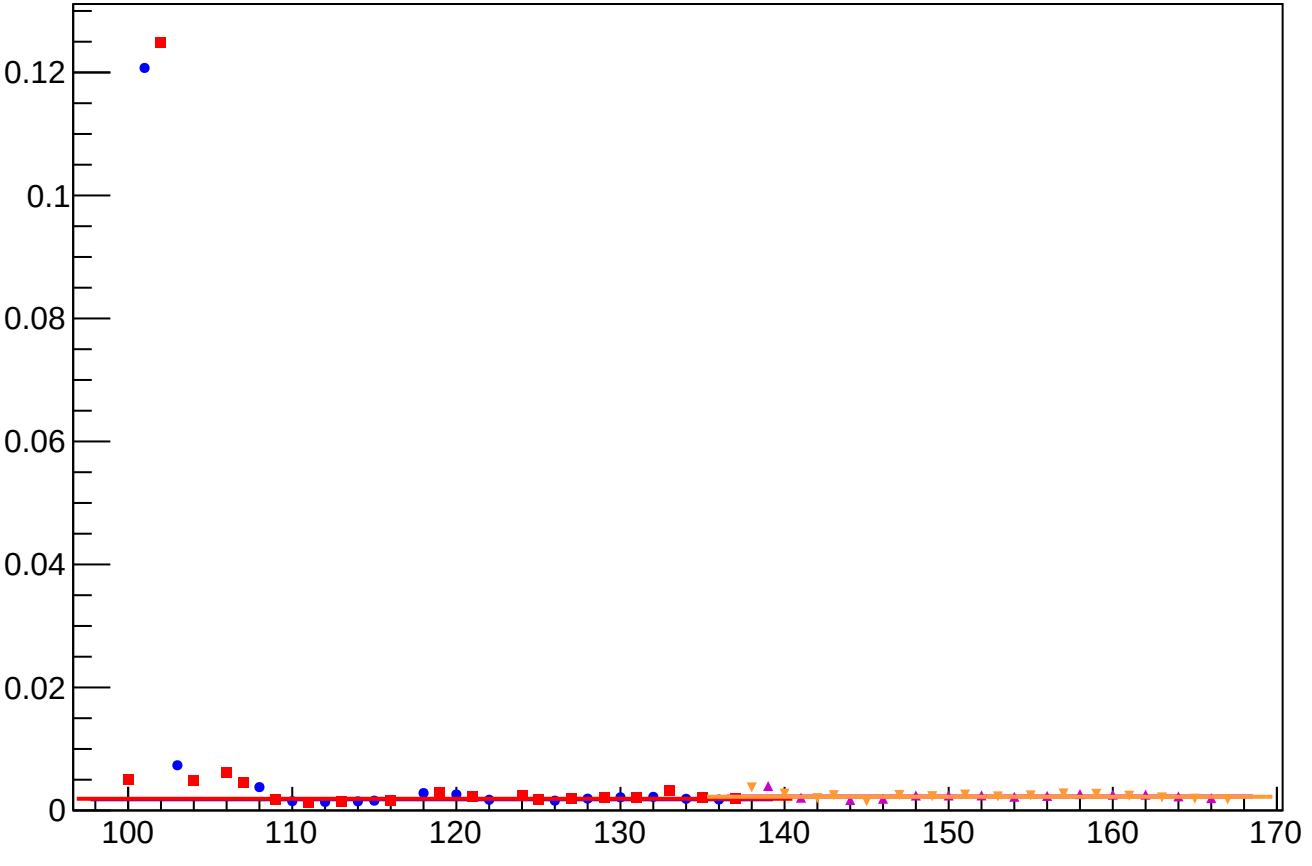
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.629+/-0.000 χ^2/NDF:84488428678.3/29

Out: 2.624+/-0.000 χ^2/NDF:104924489610.7/34

All: 2.626+/-0.000 χ^2/NDF: 189447506799.7

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:875661.8/15

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:621954.0/13

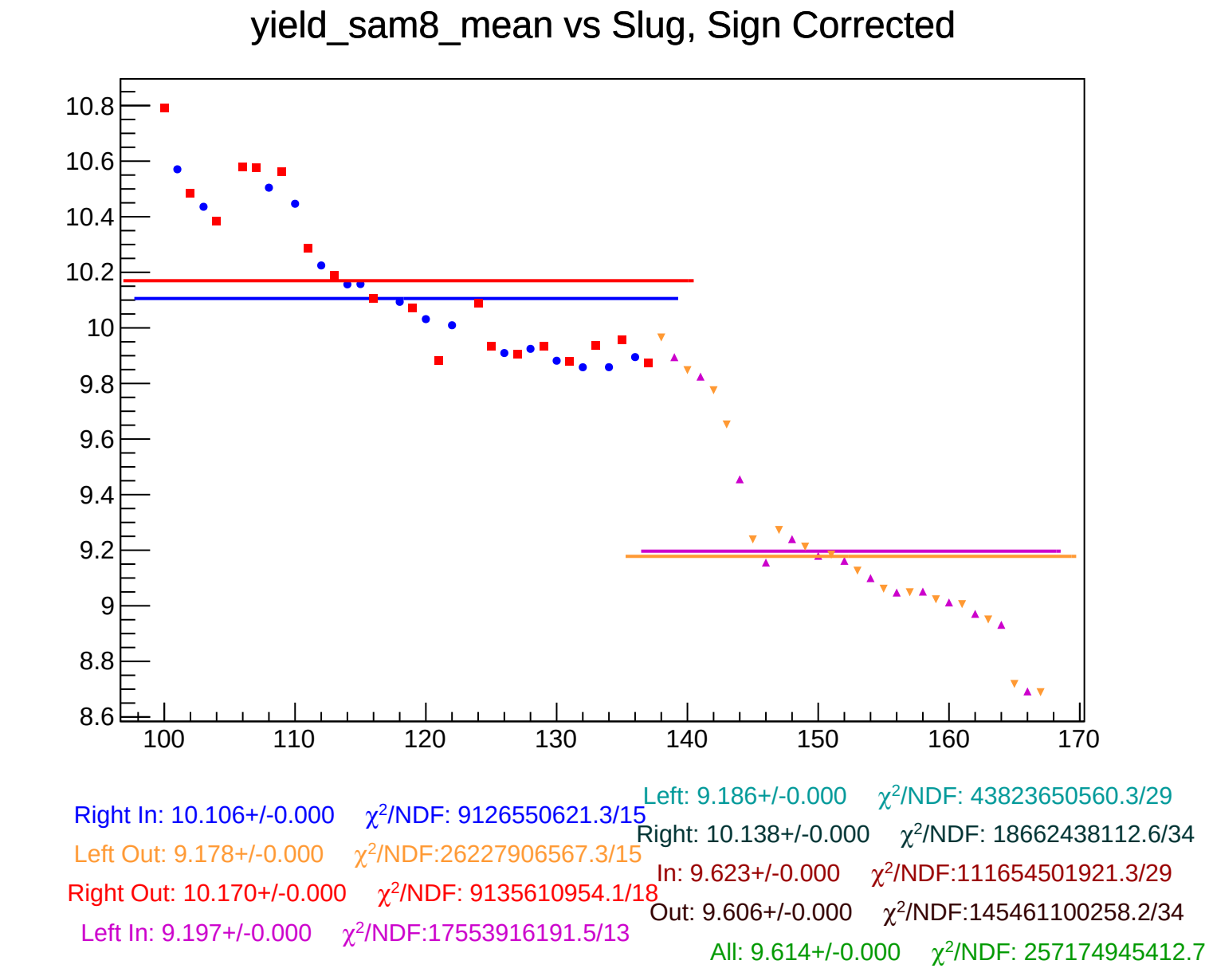
Left: 0.002+/-0.000 χ^2/NDF: 1501312.5/29

Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

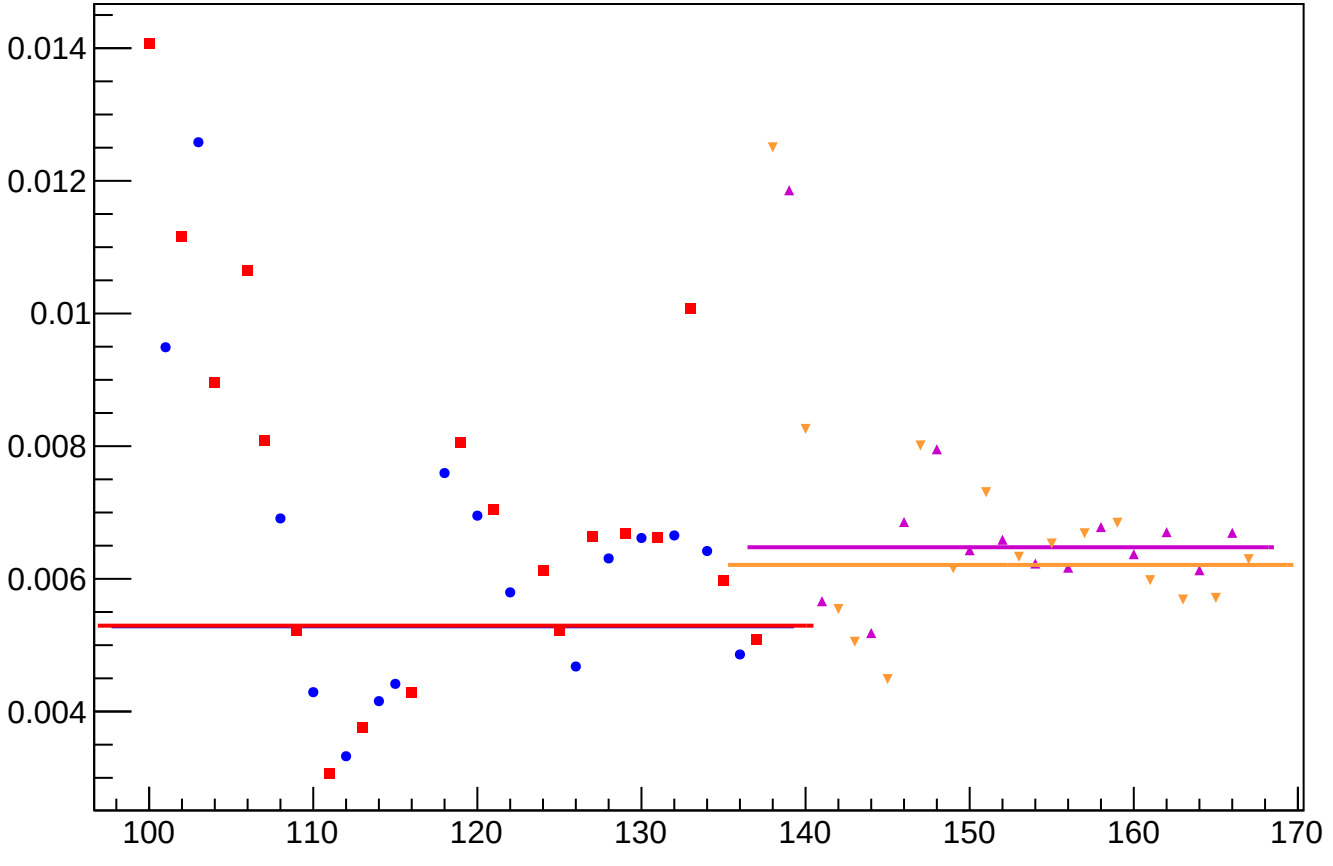
In: 0.002+/-0.000 χ^2/NDF:2776060.0/29

Out: 0.002+/-0.000 χ^2/NDF:3578009.7/34

All: 0.002+/-0.000 χ^2/NDF: 6356271.7/64


yield_sam8_mean vs Slug, Sign Corrected
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2
9
8.8
8.6
100
110
120
130
140
150
160
170
Right In: 10.106+/-0.000 χ²/NDF: 9126550621.3/15
Left Out: 9.178+/-0.000 χ²/NDF:26227906567.3/15
Right Out: 10.170+/-0.000 χ²/NDF: 9135610954.1/18
Left In: 9.197+/-0.000 χ²/NDF:17553916191.5/13
Left: 9.186+/-0.000 χ²/NDF: 43823650560.3/29
Right: 10.138+/-0.000 χ²/NDF: 18662438112.6/34
In: 9.623+/-0.000 χ²/NDF:111654501921.3/29
Out: 9.606+/-0.000 χ²/NDF:145461100258.2/34
All: 9.614+/-0.000 χ²/NDF: 257174945412.7

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:825481.4/15

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:501281.9/13

Left: 0.006+/-0.000 χ^2/NDF: 1343638.2/29

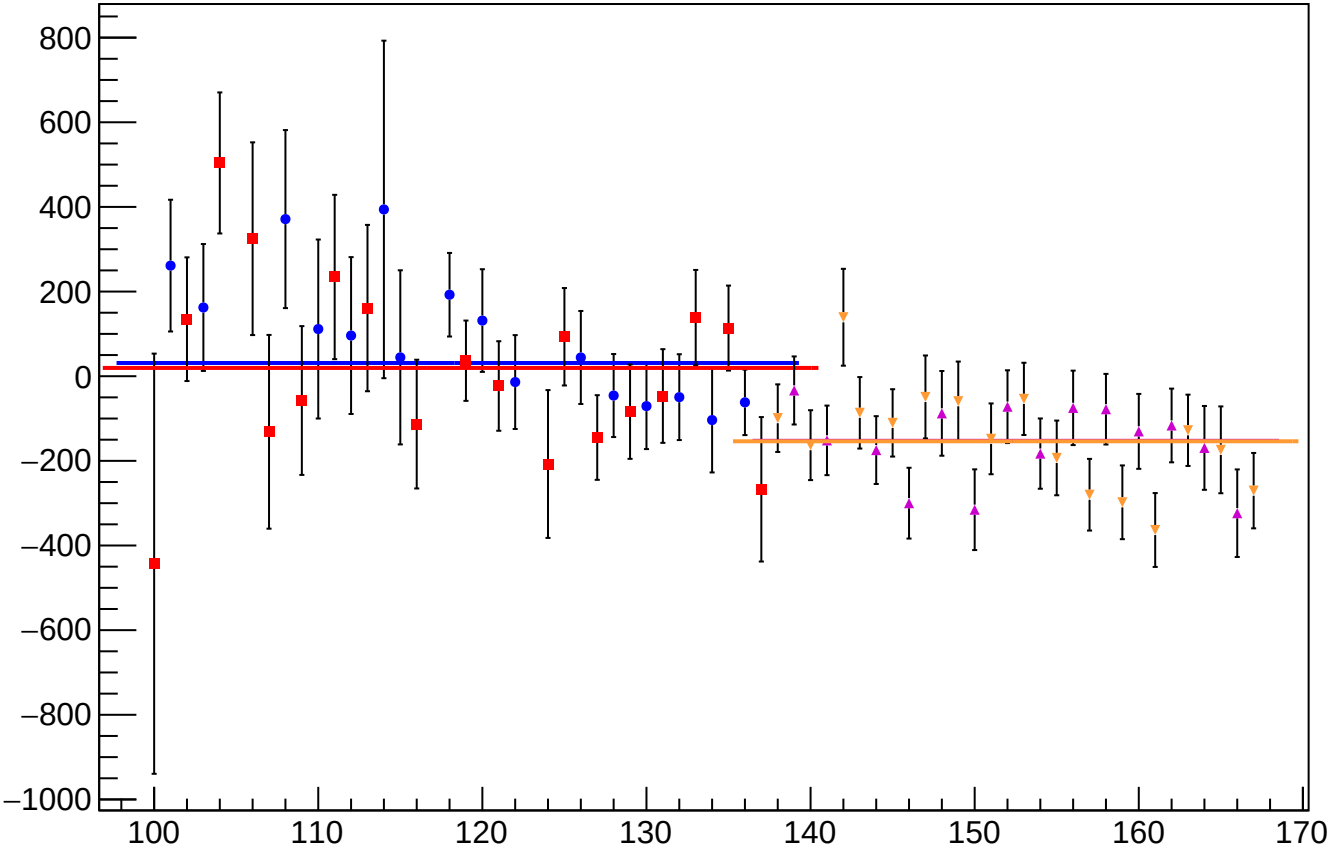
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2067521.0/29

Out: 0.006+/-0.000 χ^2/NDF:2805483.0/34

All: 0.006+/-0.000 χ^2/NDF: 4877637.0/64

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -153.736+/-21.985 χ^2/NDF:24.3/15

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -152.687+/-23.444 χ^2/NDF:14.3/13

Left: -153.245+/-16.037 χ^2/NDF: 38.6/29

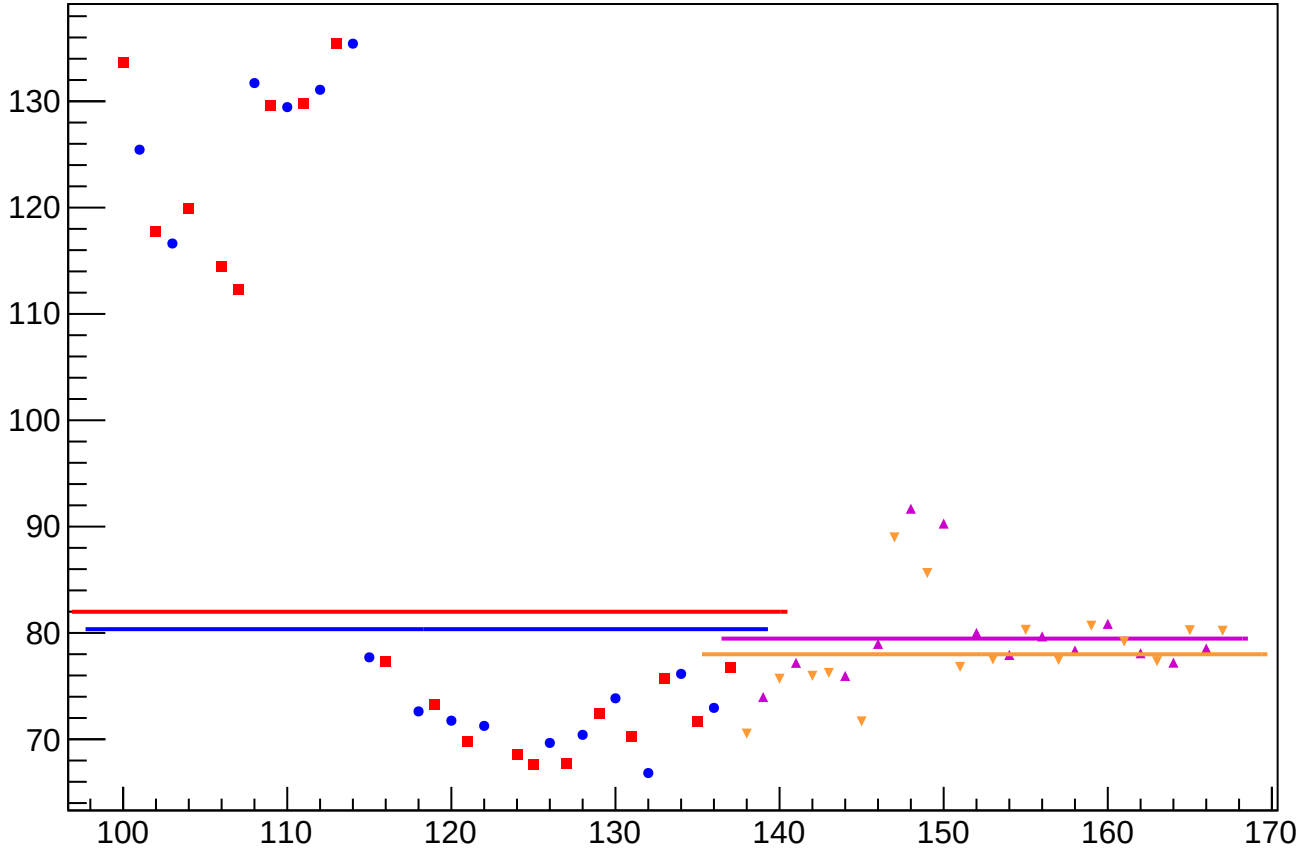
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -85.174+/-18.652 χ^2/NDF:52.0/29

Out: -95.885+/-17.944 χ^2/NDF:70.9/34

All: -90.737+/-12.931 χ^2/NDF: 123.1/64

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.994+/-0.016 χ^2/NDF:78030.9/15

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.467+/-0.017 χ^2/NDF:73653.1/13

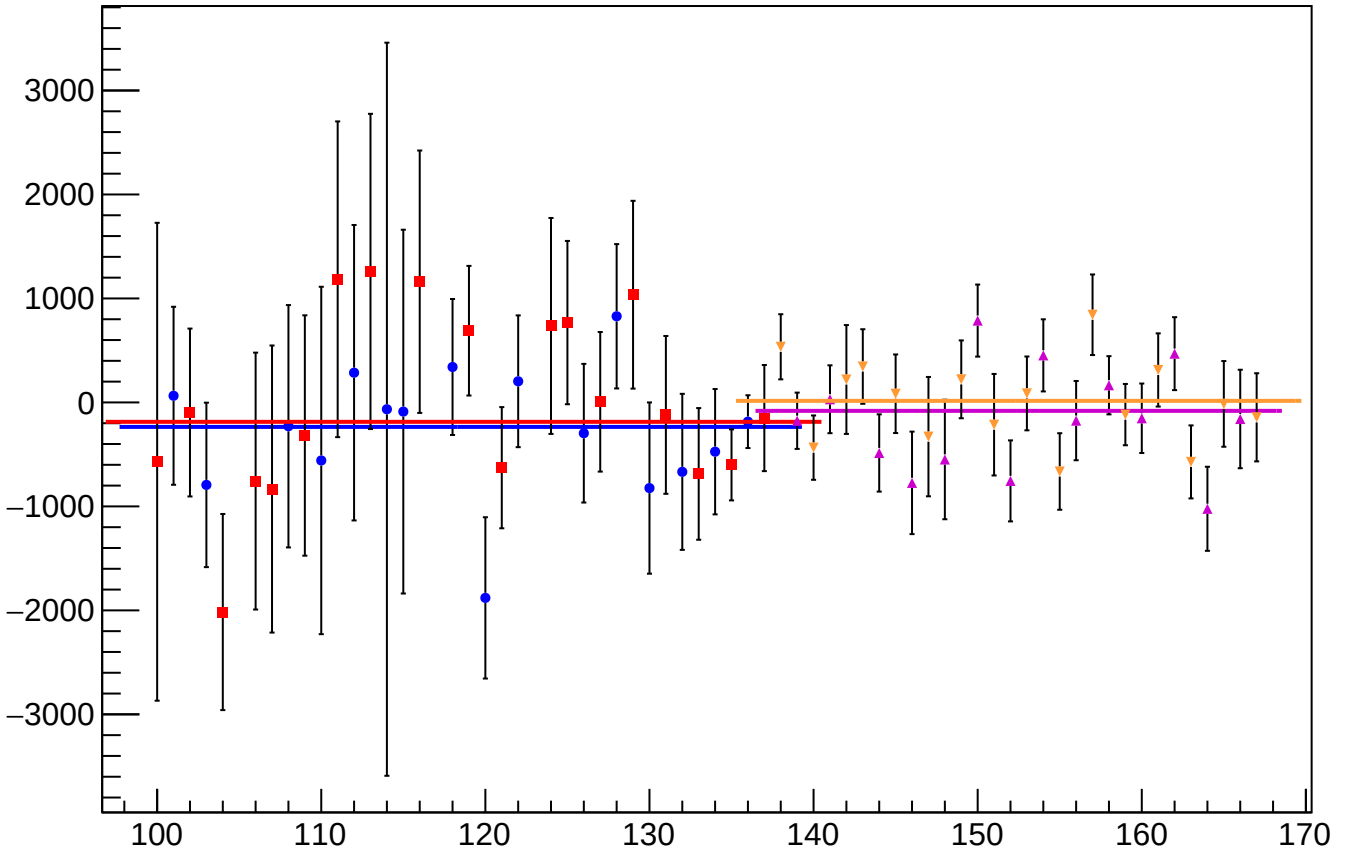
Left: 78.683+/-0.011 χ^2/NDF: 155883.8/29

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.792+/-0.013 χ^2/NDF:914744.0/29

Out: 79.329+/-0.013 χ^2/NDF:1032457.8/34

All: 79.552+/-0.009 χ^2/NDF: 1947843.5/64



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 15.053+/-93.430 χ^2/NDF:18.7/15

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -81.152+/-96.248 χ^2/NDF:24.5/13

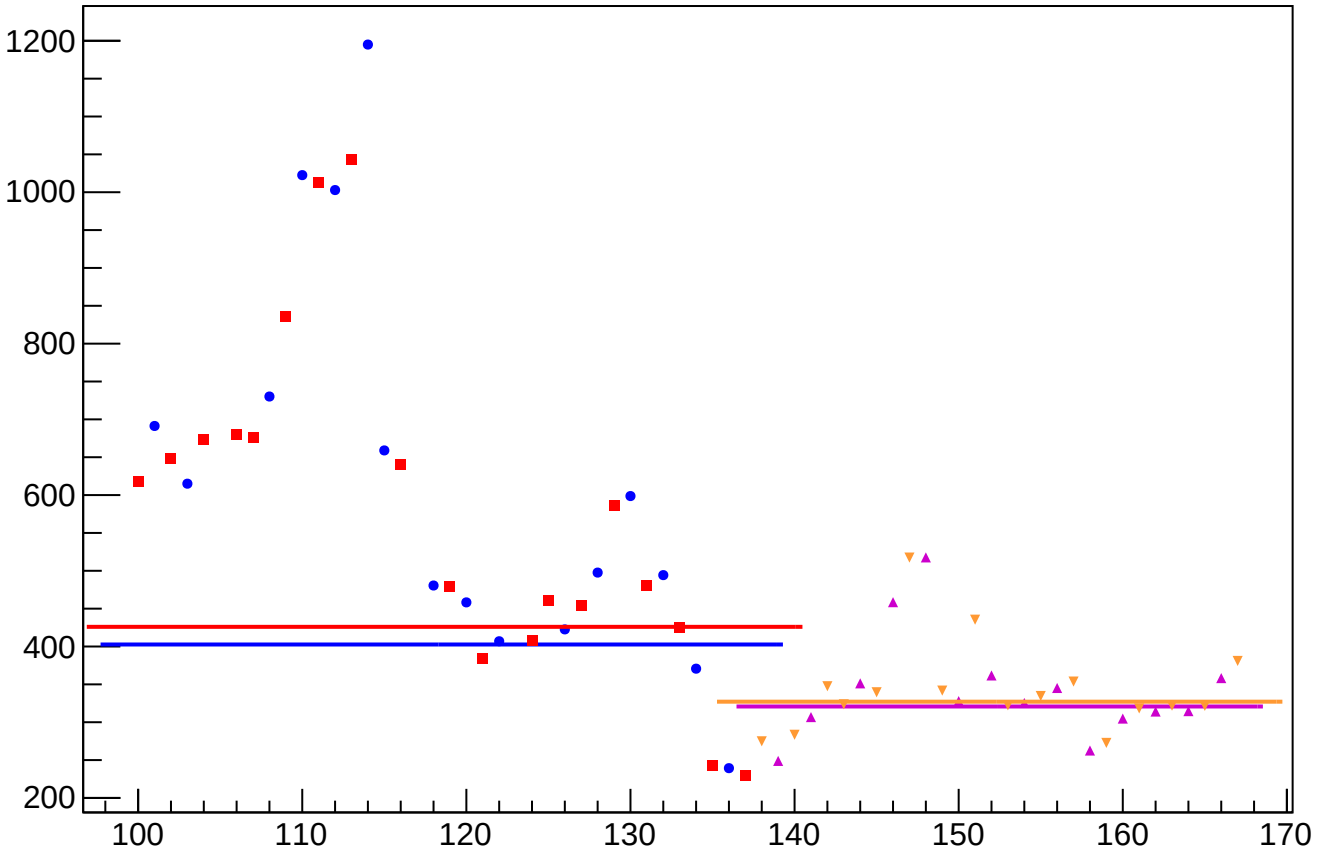
Left: -31.620+/-67.039 χ^2/NDF: 43.7/29

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -120.784+/-82.978 χ^2/NDF:35.1/29

Out: -31.564+/-81.923 χ^2/NDF:35.7/34

All: -75.603+/-58.298 χ^2/NDF: 71.4/64



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 327.134+/-0.066 χ^2/NDF:535591.7/15

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 320.779+/-0.068 χ^2/NDF:685180.2/13

Left: 324.051+/-0.047 χ^2/NDF: 1225261.2/29

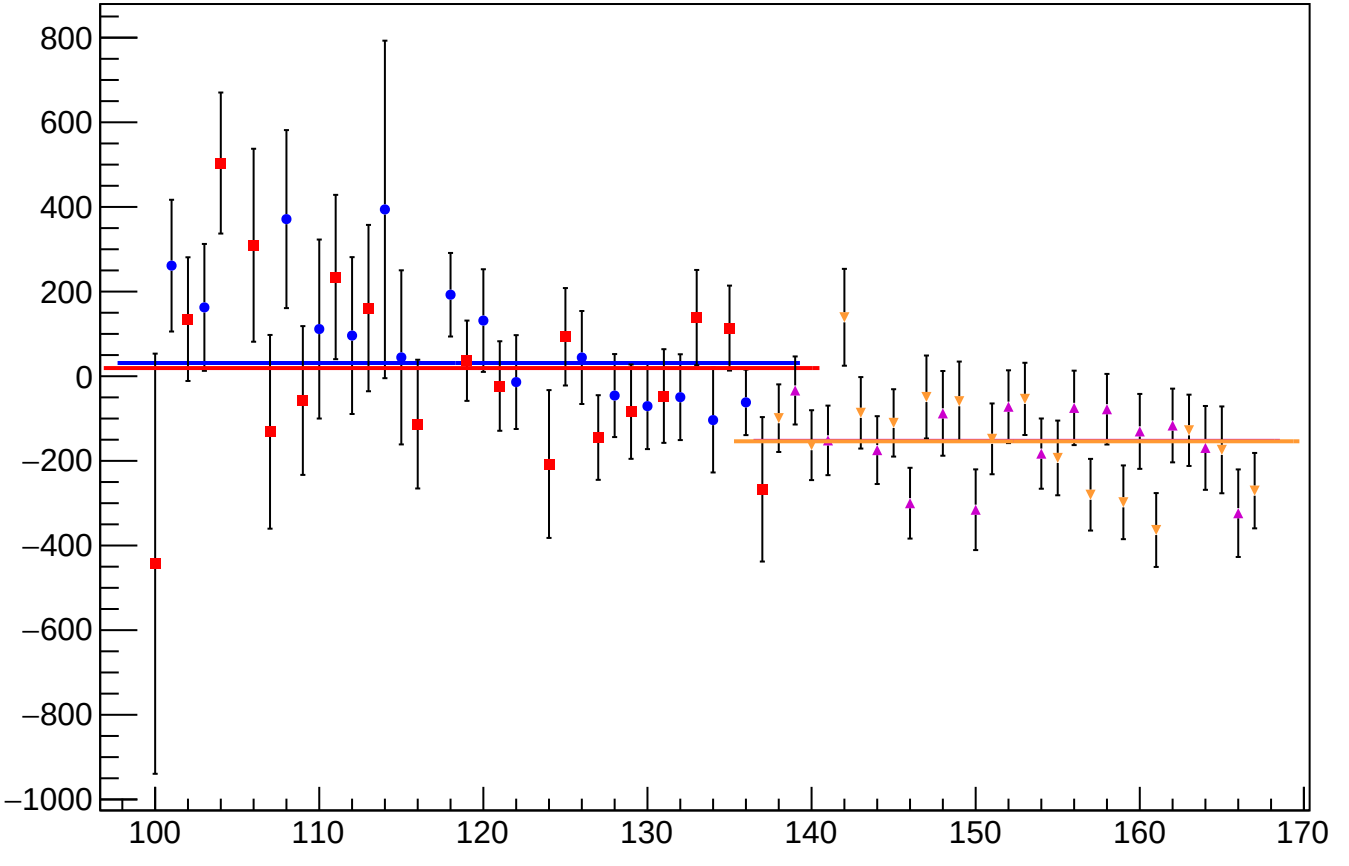
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 341.800+/-0.059 χ^2/NDF:3416870.1/29

Out: 349.983+/-0.058 χ^2/NDF:3421841.6/34

All: 345.944+/-0.041 χ^2/NDF: 6848560.3/64

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -153.732+/-21.985 χ^2/NDF:24.3/15

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -152.691+/-23.444 χ^2/NDF:14.3/13

Left: -153.245+/-16.037 χ^2/NDF: 38.6/29

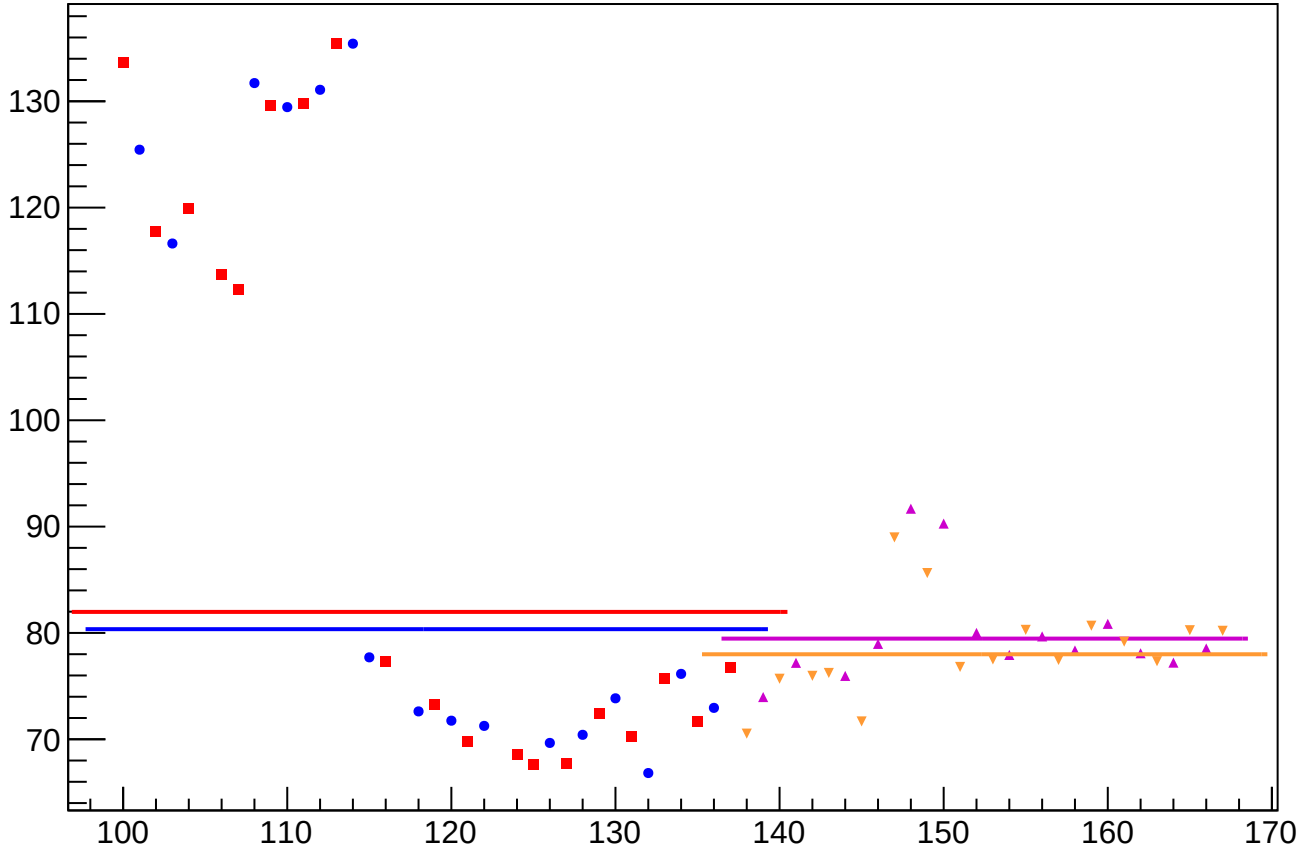
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -85.172+/-18.652 χ^2/NDF:52.0/29

Out: -95.982+/-17.944 χ^2/NDF:70.7/34

All: -90.786+/-12.931 χ^2/NDF: 122.8/64

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.994+/-0.016 χ^2/NDF:78030.9/15

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.467+/-0.017 χ^2/NDF:73653.1/13

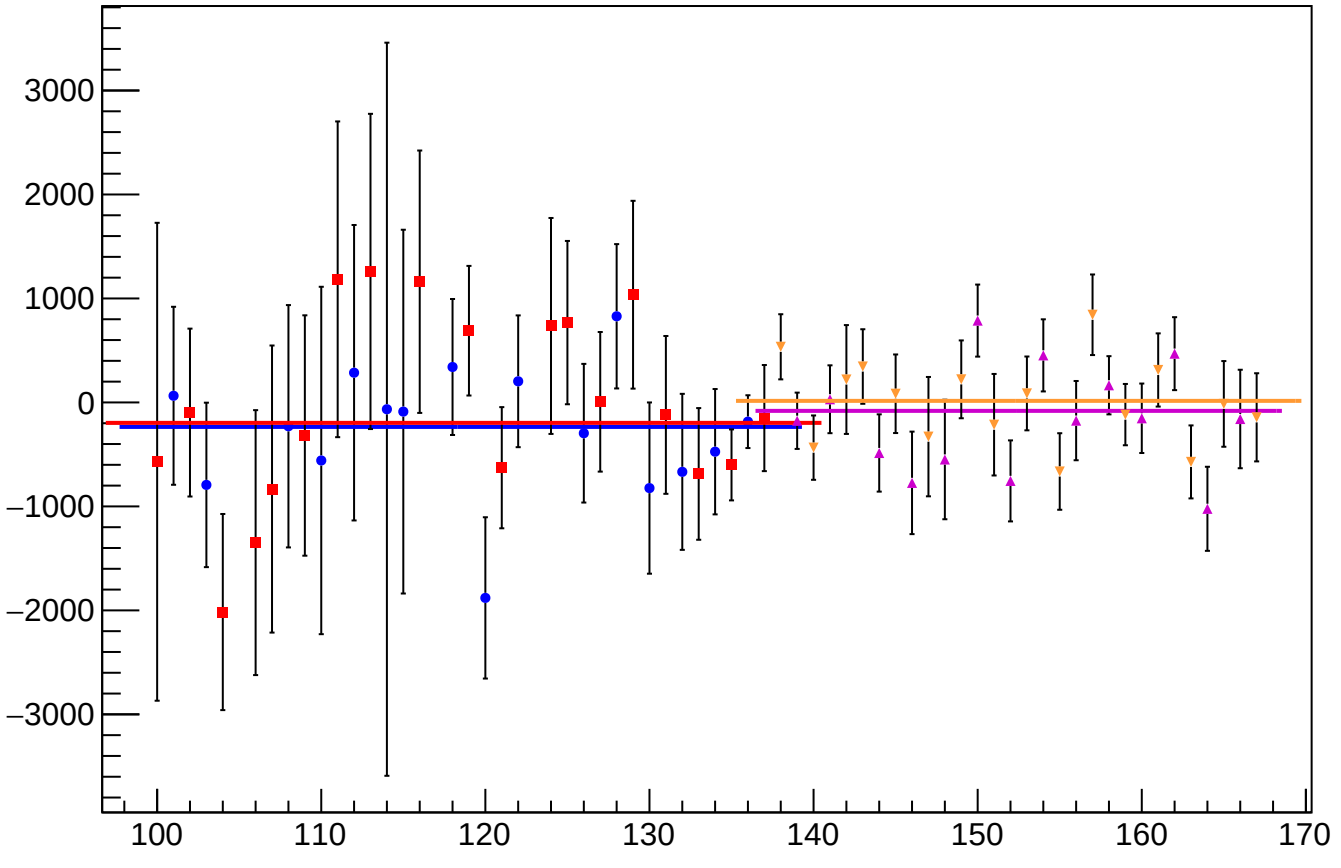
Left: 78.683+/-0.011 χ^2/NDF: 155883.8/29

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.792+/-0.013 χ^2/NDF:914744.2/29

Out: 79.324+/-0.013 χ^2/NDF:1030419.9/34

All: 79.549+/-0.009 χ^2/NDF: 1945819.9/64



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 15.055+/-93.430 χ^2/NDF:18.7/15

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -81.157+/-96.248 χ^2/NDF:24.5/13

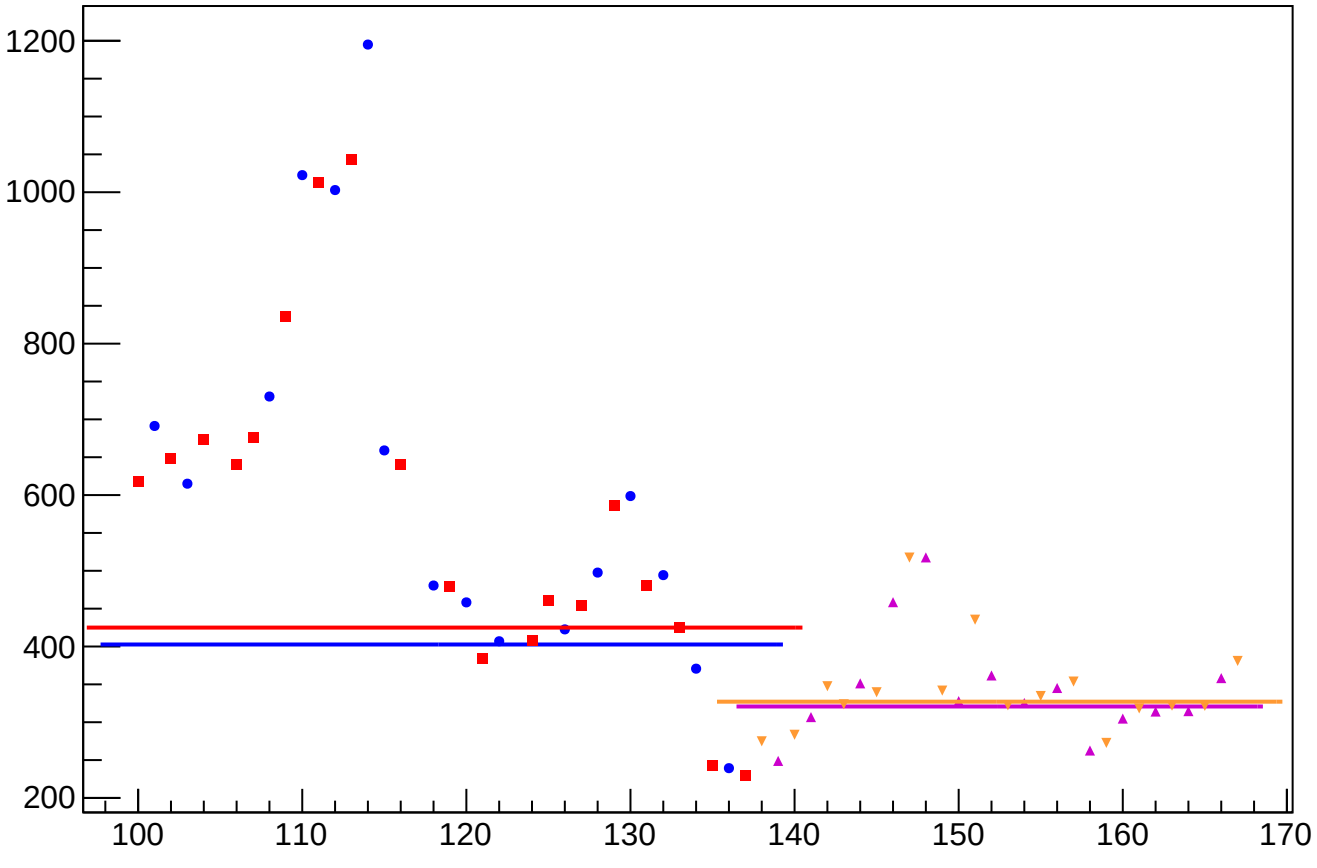
Left: -31.622+/-67.039 χ^2/NDF: 43.7/29

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -120.787+/-82.978 χ^2/NDF:35.1/29

Out: -33.822+/-81.934 χ^2/NDF:36.4/34

All: -76.754+/-58.302 χ^2/NDF: 72.1/64



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 327.134+/-0.066 χ^2/NDF:535599.7/15

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 320.779+/-0.068 χ^2/NDF:685180.4/13

Left: 324.051+/-0.047 χ^2/NDF: 1225269.0/29

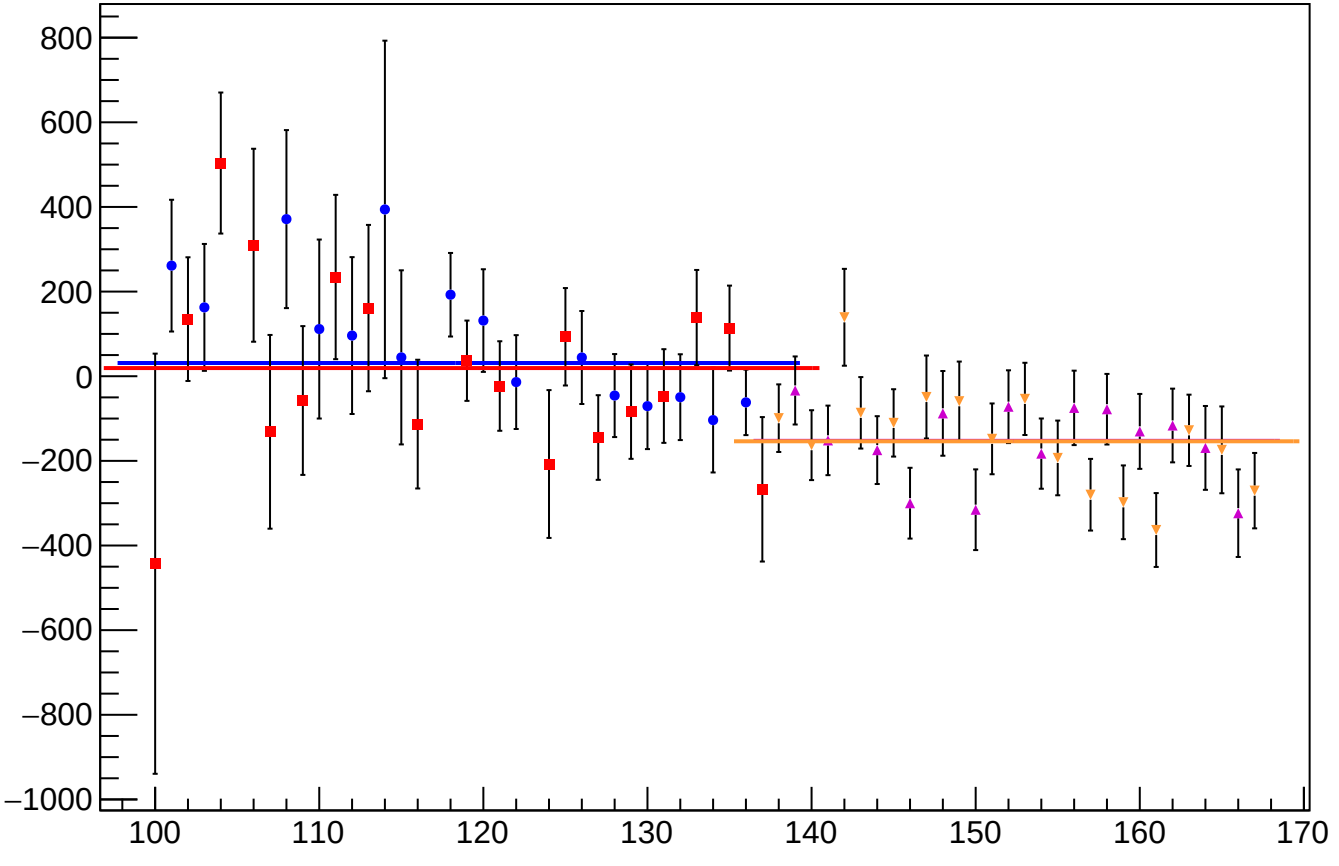
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 341.800+/-0.059 χ^2/NDF:3416865.7/29

Out: 349.733+/-0.058 χ^2/NDF:3383303.9/34

All: 345.817+/-0.041 χ^2/NDF: 6809425.2/64

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -153.732+/-21.985 χ^2/NDF:24.3/15

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -152.691+/-23.444 χ^2/NDF:14.3/13

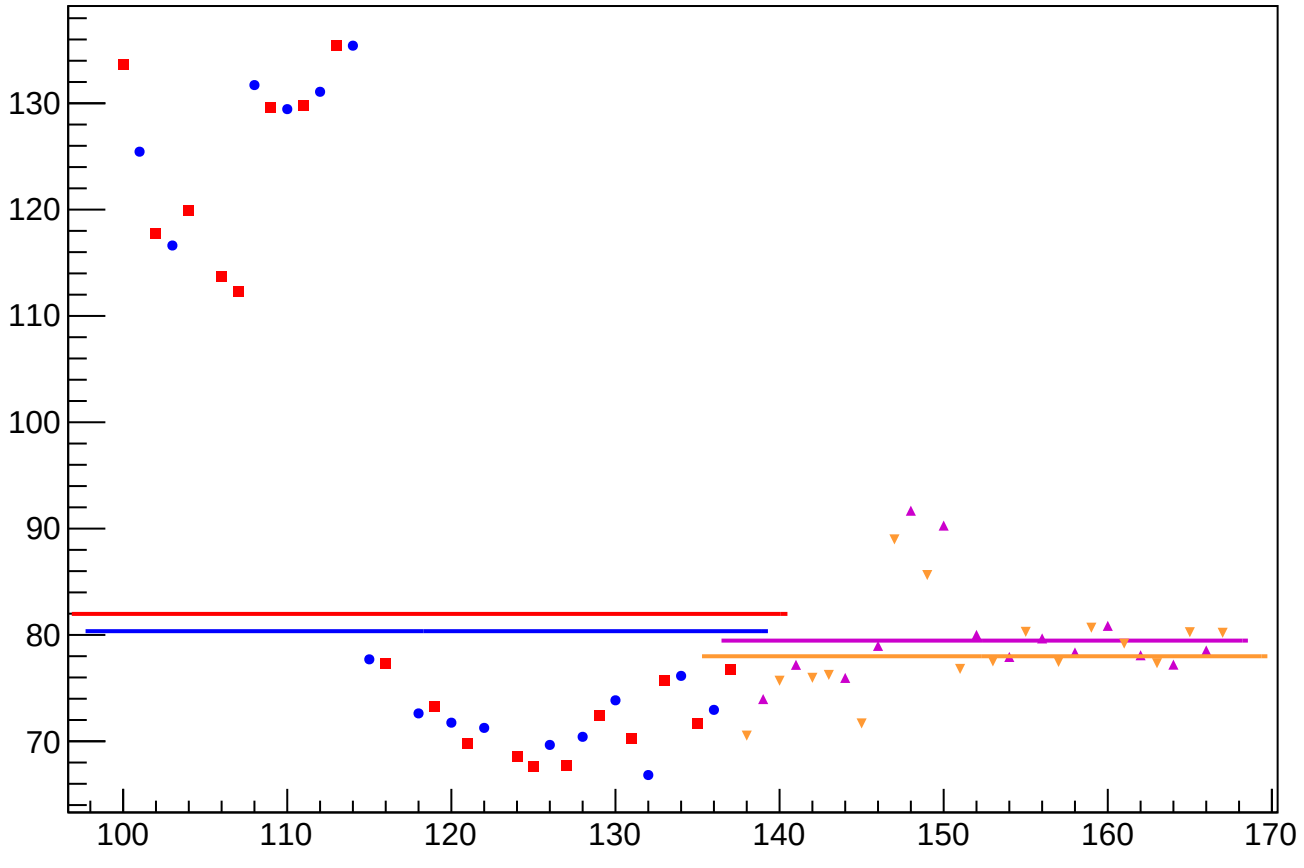
Left: -153.245+/-16.037 χ^2/NDF: 38.6/29

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -85.172+/-18.652 χ^2/NDF:52.0/29

Out: -95.982+/-17.944 χ^2/NDF:70.7/34

All: -90.786+/-12.931 χ^2/NDF: 122.8/64



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.994+/-0.016 χ^2/NDF:78030.9/15

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.467+/-0.017 χ^2/NDF:73653.1/13

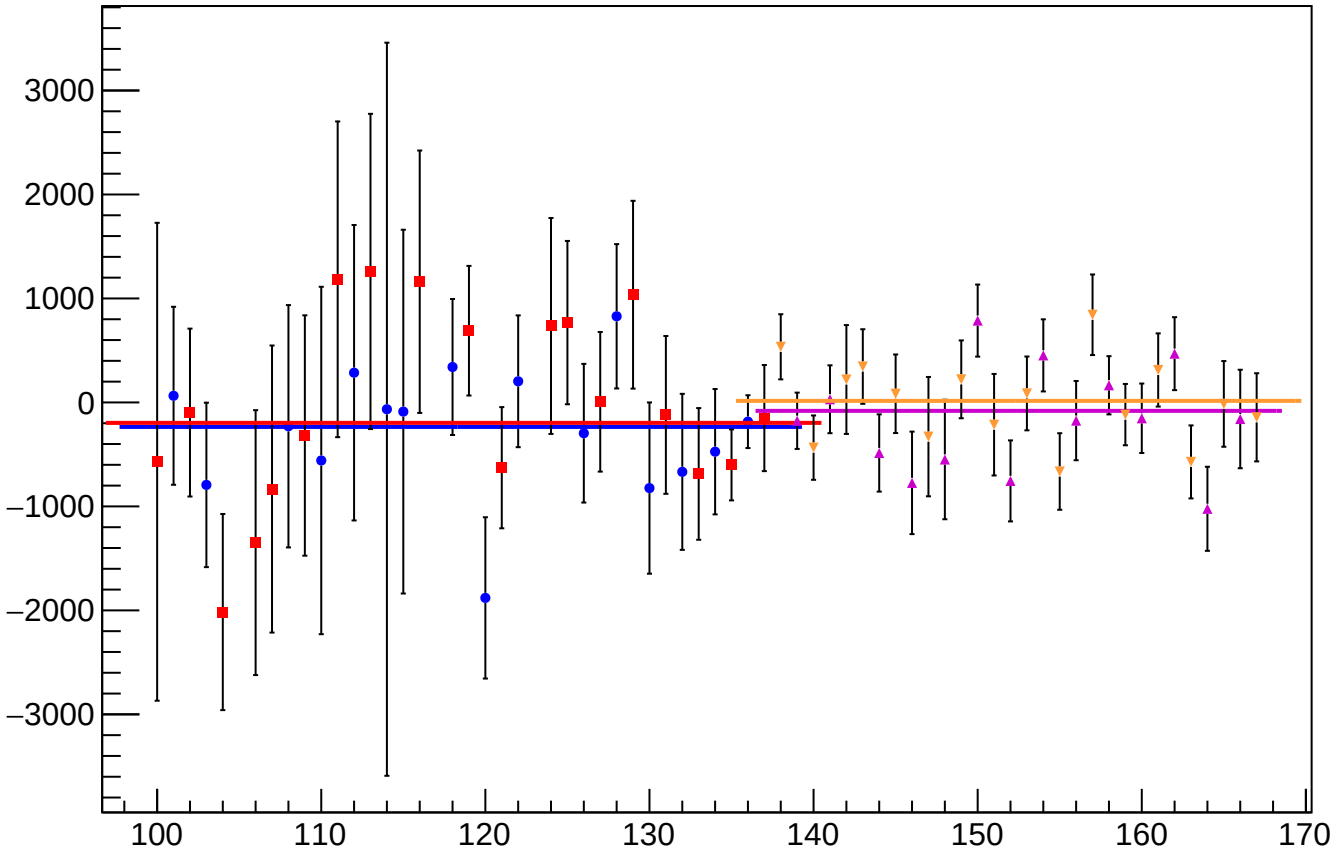
Left: 78.683+/-0.011 χ^2/NDF: 155883.8/29

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.792+/-0.013 χ^2/NDF:914744.2/29

Out: 79.324+/-0.013 χ^2/NDF:1030419.9/34

All: 79.549+/-0.009 χ^2/NDF: 1945819.9/64



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 15.055+/-93.430 χ^2/NDF:18.7/15

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -81.157+/-96.248 χ^2/NDF:24.5/13

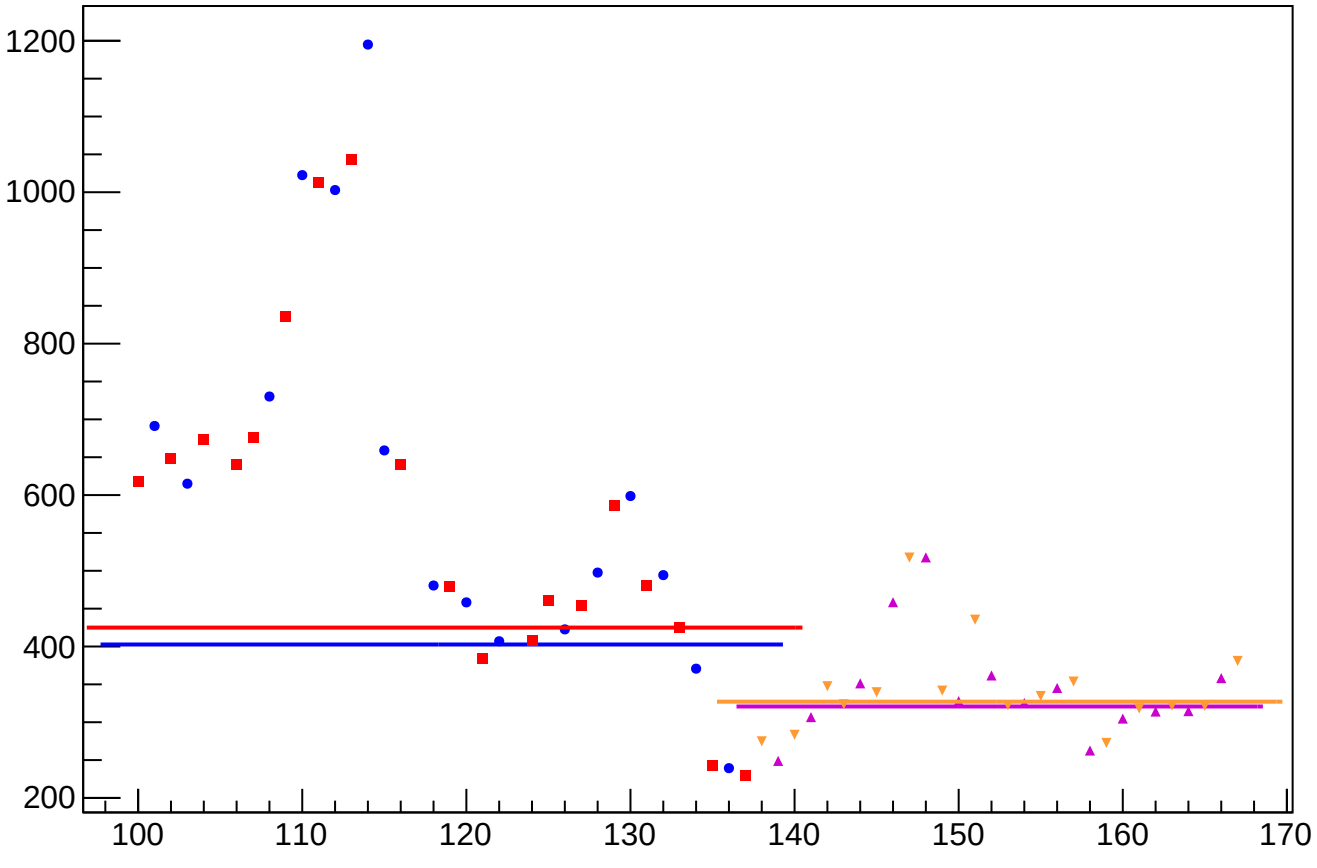
Left: -31.622+/-67.039 χ^2/NDF: 43.7/29

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -120.787+/-82.978 χ^2/NDF:35.1/29

Out: -33.822+/-81.934 χ^2/NDF:36.4/34

All: -76.754+/-58.302 χ^2/NDF: 72.1/64



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 327.134+/-0.066 χ^2/NDF:535599.7/15

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 320.779+/-0.068 χ^2/NDF:685180.4/13

Left: 324.051+/-0.047 χ^2/NDF: 1225269.0/29

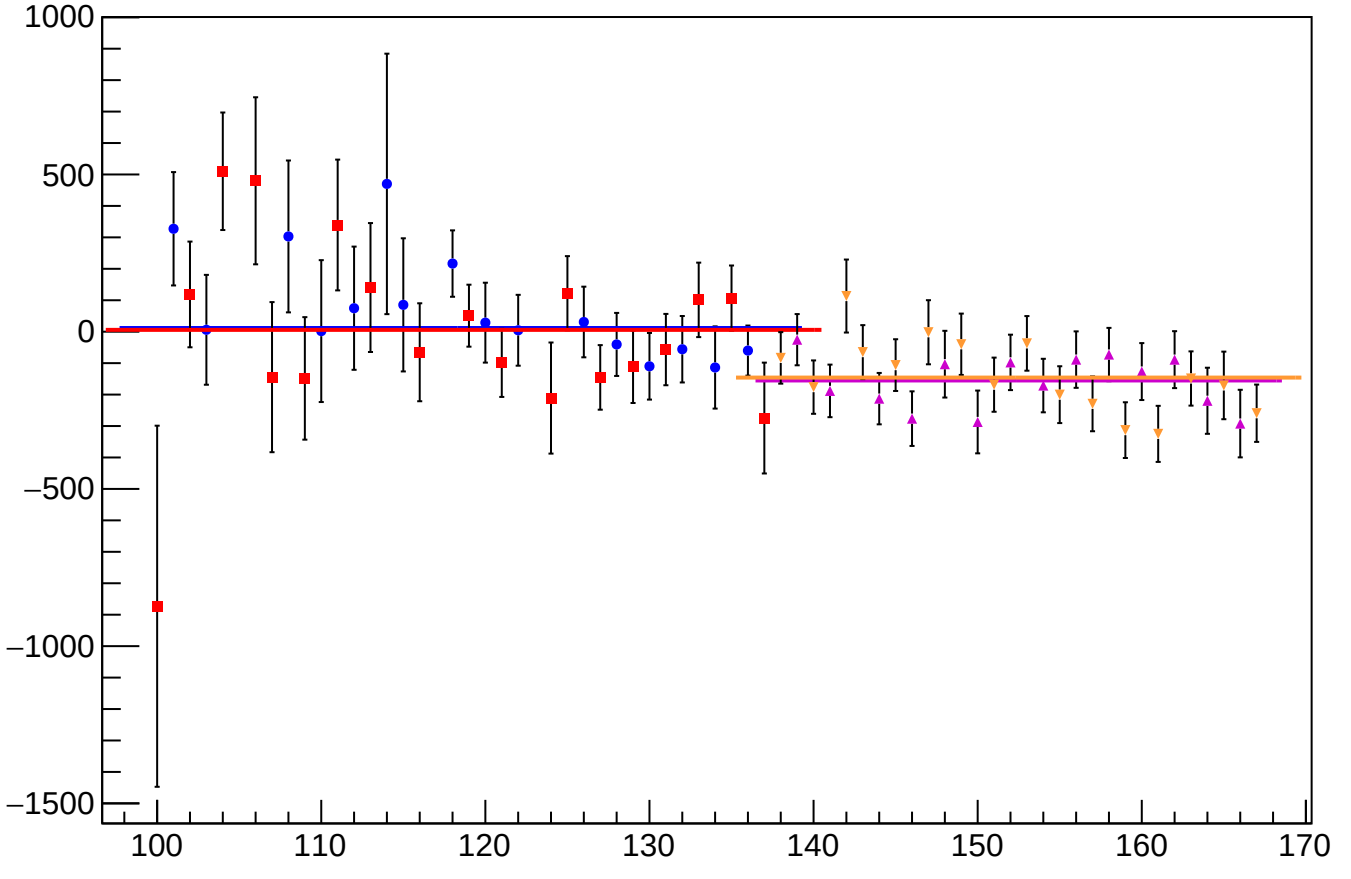
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 341.800+/-0.059 χ^2/NDF:3416865.7/29

Out: 349.733+/-0.058 χ^2/NDF:3383303.9/34

All: 345.817+/-0.041 χ^2/NDF: 6809425.2/64

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -145.934+/-22.570 χ^2/NDF:22.1/15

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -155.051+/-24.136 χ^2/NDF:11.7/13

Left: -150.187+/-16.485 χ^2/NDF: 33.9/29

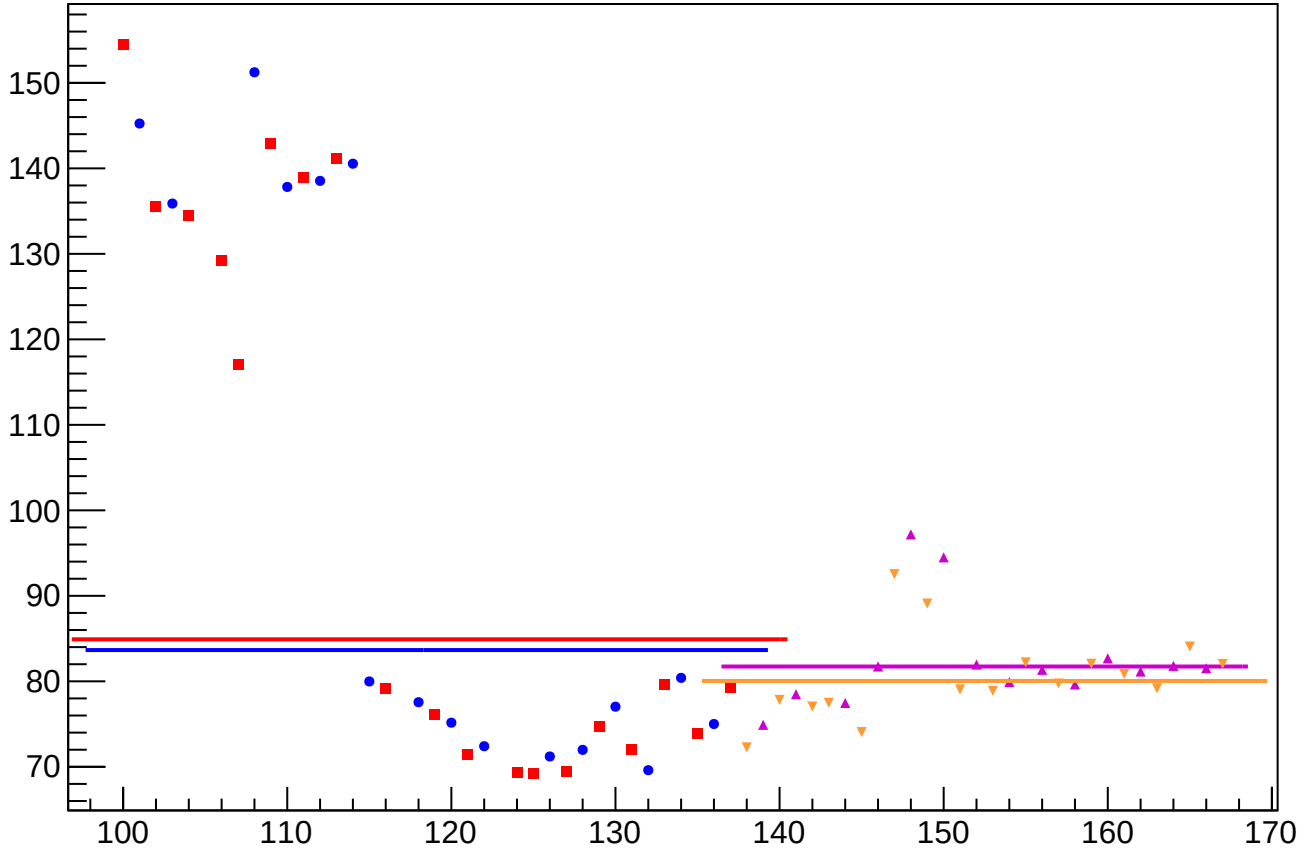
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.315+/-19.334 χ^2/NDF:42.3/29

Out: -96.444+/-18.528 χ^2/NDF:65.6/34

All: -95.904+/-13.377 χ^2/NDF: 108.0/64

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.044+/-0.016 χ^2/NDF:87259.2/15

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.732+/-0.017 χ^2/NDF:100134.6/13

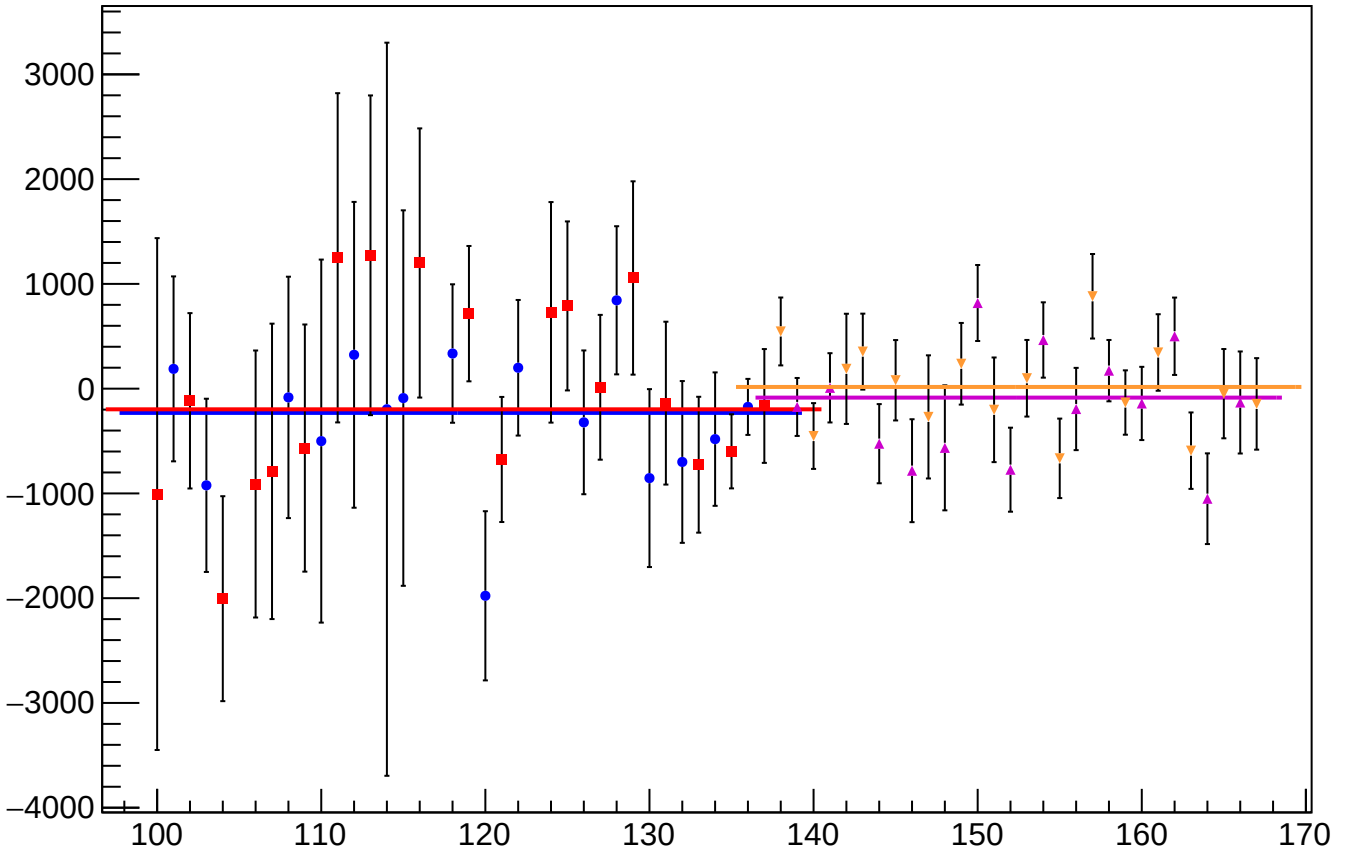
Left: 80.831+/-0.012 χ^2/NDF: 192608.1/29

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.422+/-0.014 χ^2/NDF:1139490.7/29

Out: 81.632+/-0.013 χ^2/NDF:1239280.1/34

All: 82.010+/-0.009 χ^2/NDF: 2380509.0/64



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 16.257+/-96.182 χ^2/NDF:18.5/15

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -85.478+/-99.530 χ^2/NDF:24.1/13

Left: -32.870+/-69.164 χ^2/NDF: 43.1/29

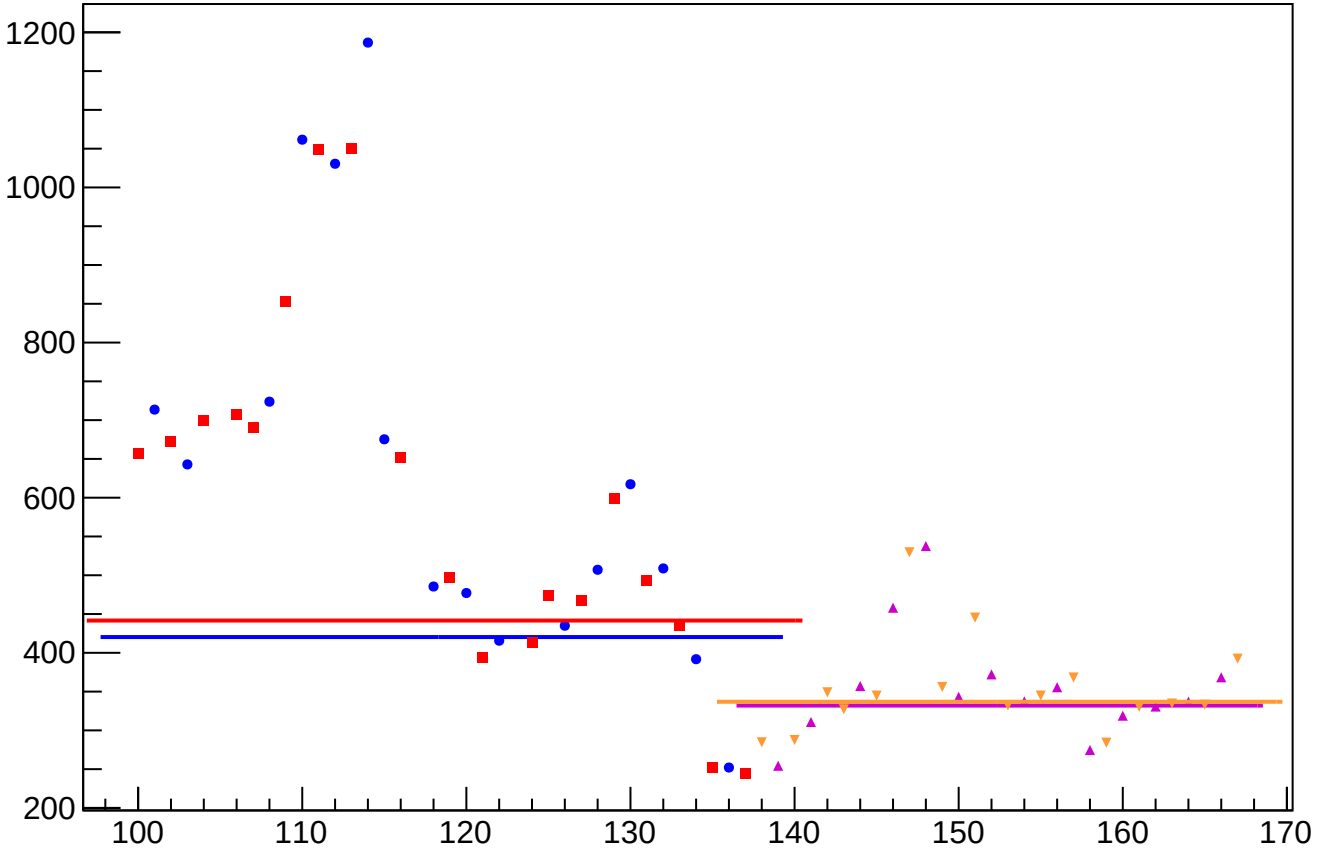
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -122.686+/-85.909 χ^2/NDF:35.0/29

Out: -32.794+/-84.411 χ^2/NDF:35.5/34

All: -76.949+/-60.210 χ^2/NDF: 71.1/64

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 336.913+/-0.068 χ^2/NDF:524401.9/15

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 331.977+/-0.070 χ^2/NDF:664618.9/13

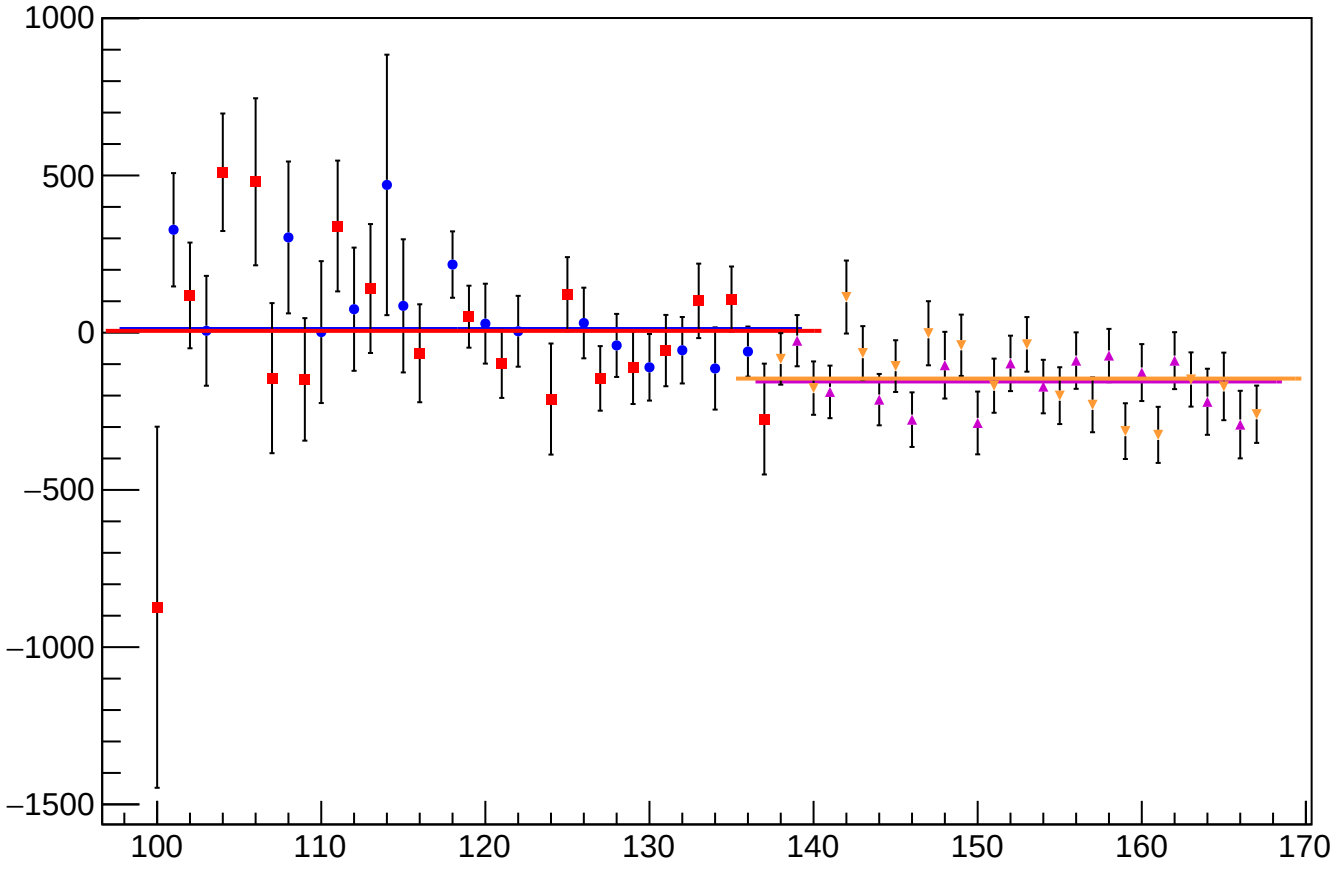
Left: 334.529+/-0.049 χ^2/NDF: 1191564.4/29

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 354.504+/-0.061 χ^2/NDF:3321078.4/29

Out: 360.968+/-0.060 χ^2/NDF:3376412.8/34

All: 357.793+/-0.043 χ^2/NDF: 6703250.8/64



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -145.933+/-22.570 χ^2/NDF:22.1/15

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -155.051+/-24.136 χ^2/NDF:11.7/13

Left: -150.187+/-16.485 χ^2/NDF: 33.9/29

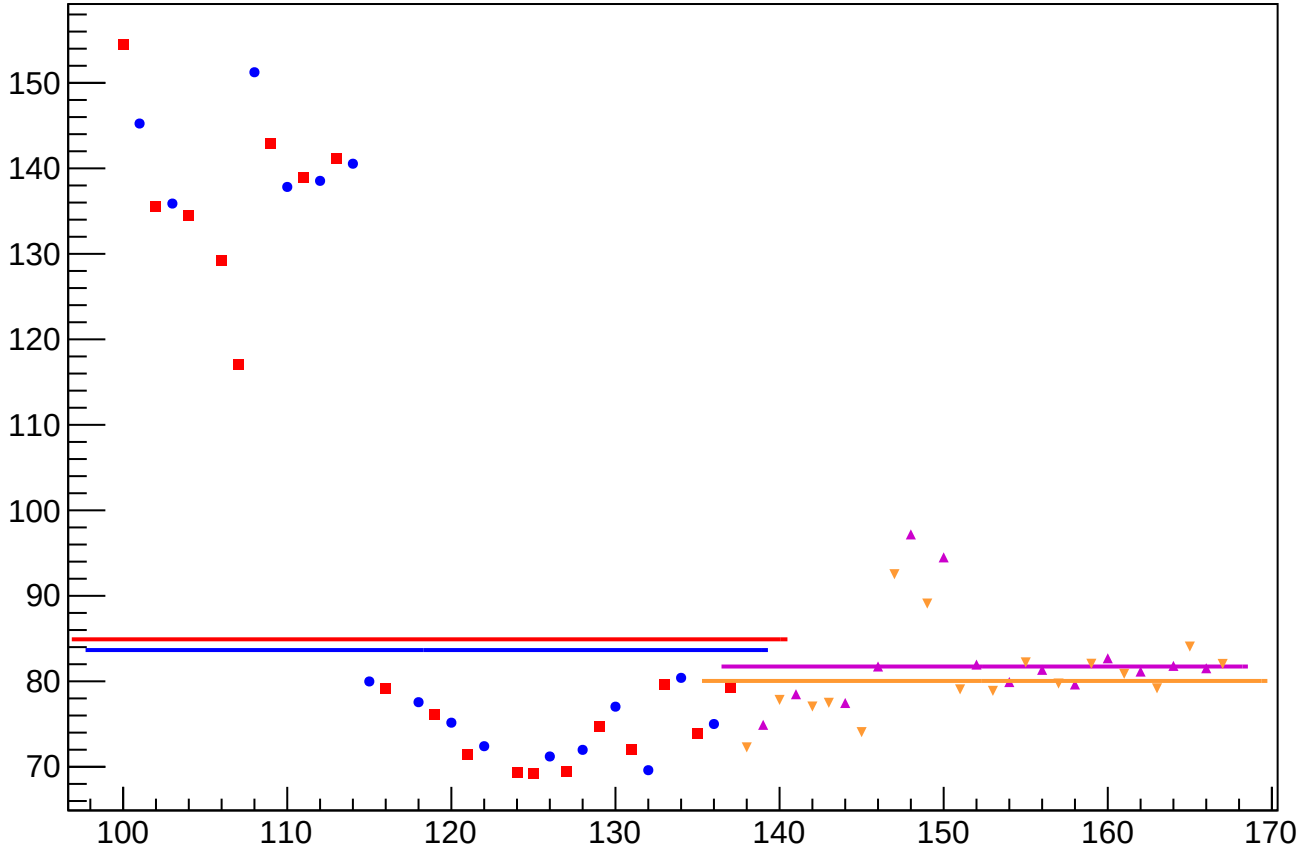
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.315+/-19.334 χ^2/NDF:42.3/29

Out: -96.444+/-18.528 χ^2/NDF:65.6/34

All: -95.903+/-13.377 χ^2/NDF: 108.0/64

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.044+/-0.016 χ^2/NDF:87258.6/15

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.732+/-0.017 χ^2/NDF:100133.8/13

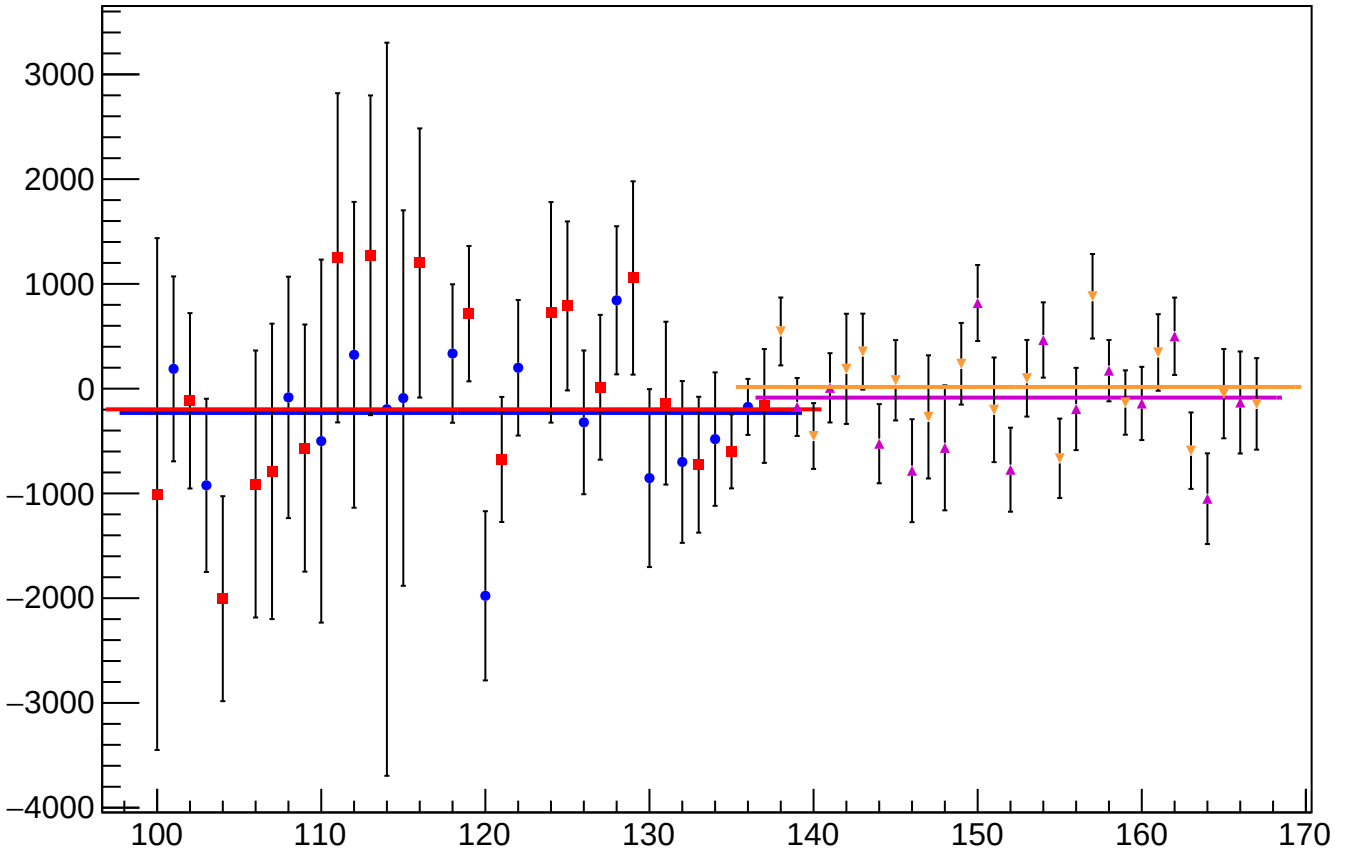
Left: 80.831+/-0.012 χ^2/NDF: 192606.7/29

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.421+/-0.014 χ^2/NDF:1139489.1/29

Out: 81.632+/-0.013 χ^2/NDF:1239277.6/34

All: 82.010+/-0.009 χ^2/NDF: 2380505.0/64



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 16.258+/-96.182 χ^2/NDF:18.5/15

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -85.478+/-99.530 χ^2/NDF:24.1/13

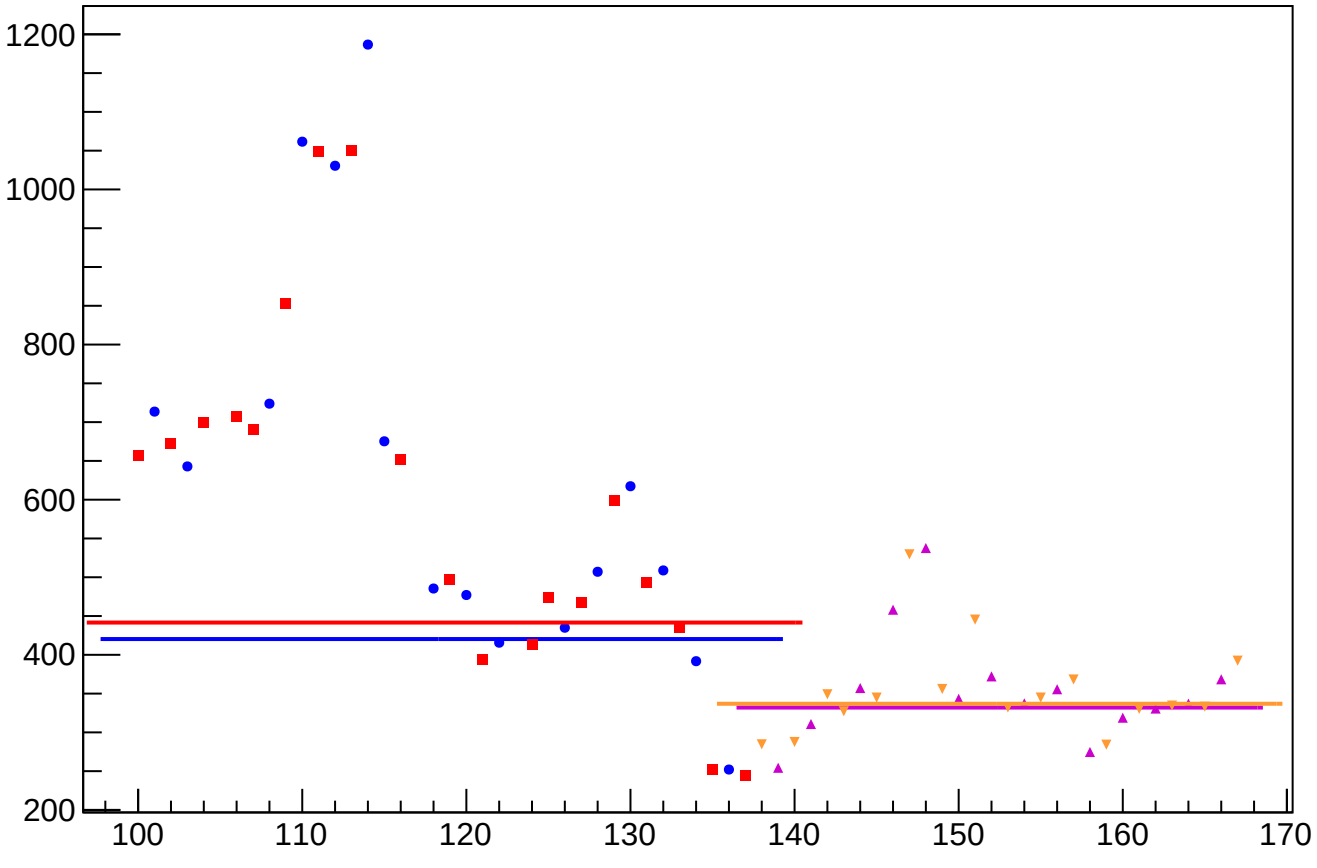
Left: -32.870+/-69.164 χ^2/NDF: 43.1/29

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -122.686+/-85.909 χ^2/NDF:35.0/29

Out: -32.793+/-84.411 χ^2/NDF:35.5/34

All: -76.949+/-60.210 χ^2/NDF: 71.1/64



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 336.912+/-0.068 χ^2/NDF:524401.9/15

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 331.977+/-0.070 χ^2/NDF:664620.3/13

Left: 334.529+/-0.049 χ^2/NDF: 1191565.7/29

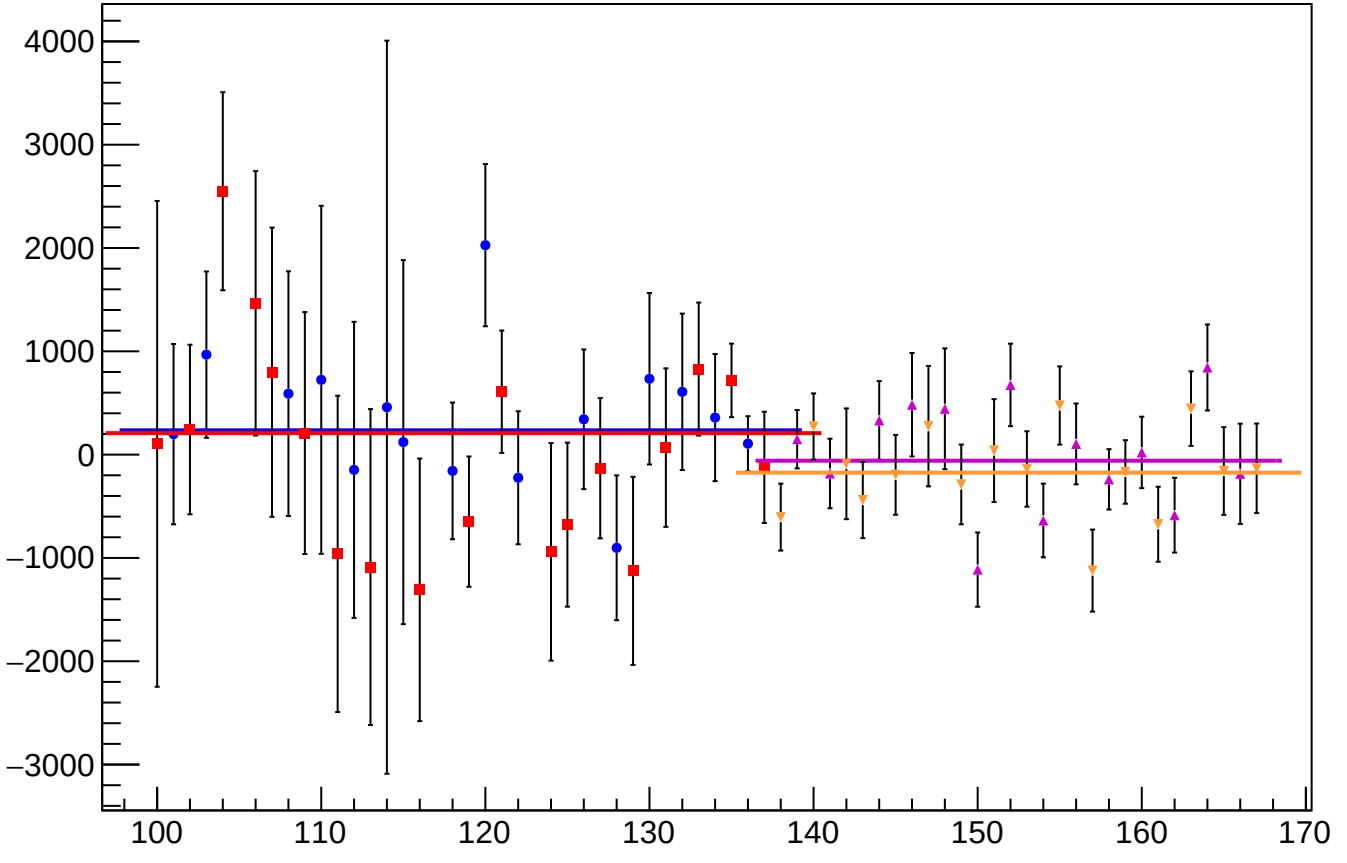
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 354.504+/-0.061 χ^2/NDF:3321080.7/29

Out: 360.967+/-0.060 χ^2/NDF:3376413.6/34

All: 357.793+/-0.043 χ^2/NDF: 6703253.9/64

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -174.440+/-96.212 χ^2/NDF:18.6/15

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -58.841+/-99.346 χ^2/NDF:25.8/13

Left: -118.492+/-69.114 χ^2/NDF: 45.1/29

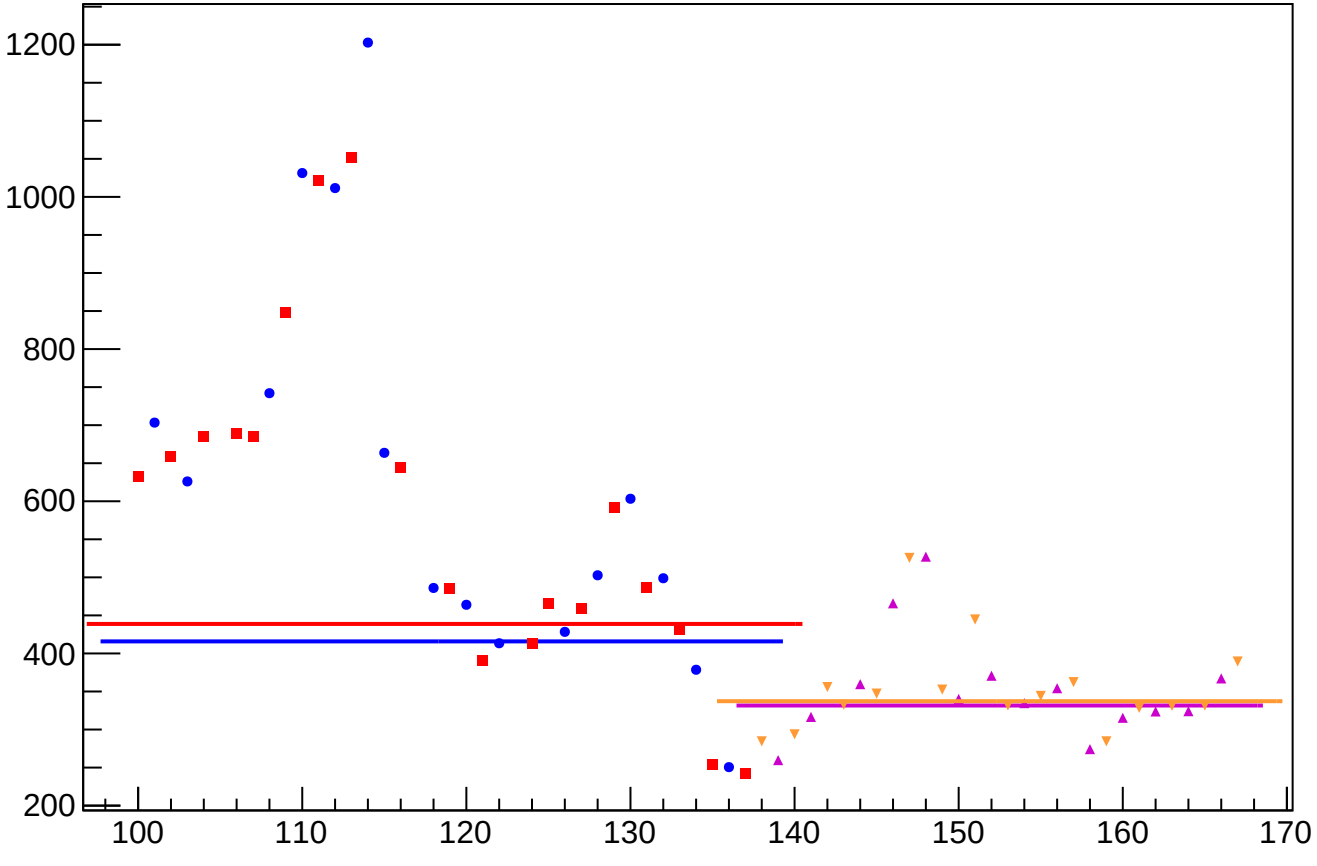
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 17.171+/-85.539 χ^2/NDF:38.7/29

Out: -85.466+/-84.279 χ^2/NDF:42.7/34

All: -34.910+/-60.035 χ^2/NDF: 82.1/64

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 337.256+/-0.068 χ^2/NDF:498467.9/15

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 331.581+/-0.070 χ^2/NDF:632631.9/13

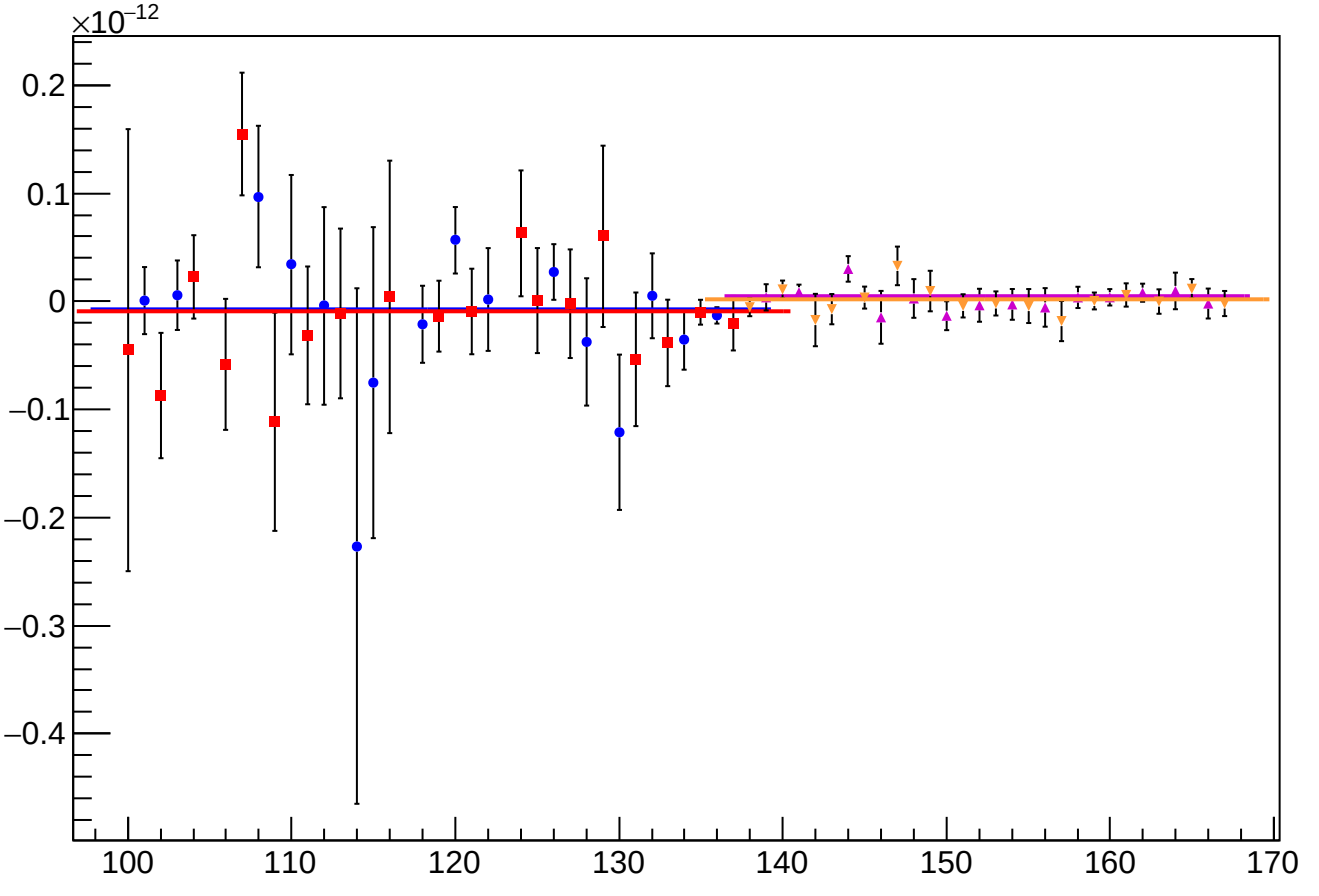
Left: 334.509+/-0.049 χ^2/NDF: 1134467.2/29

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 353.373+/-0.060 χ^2/NDF:3228666.6/29

Out: 360.878+/-0.060 χ^2/NDF:3251348.7/34

All: 357.181+/-0.042 χ^2/NDF: 6487825.8/64



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/13

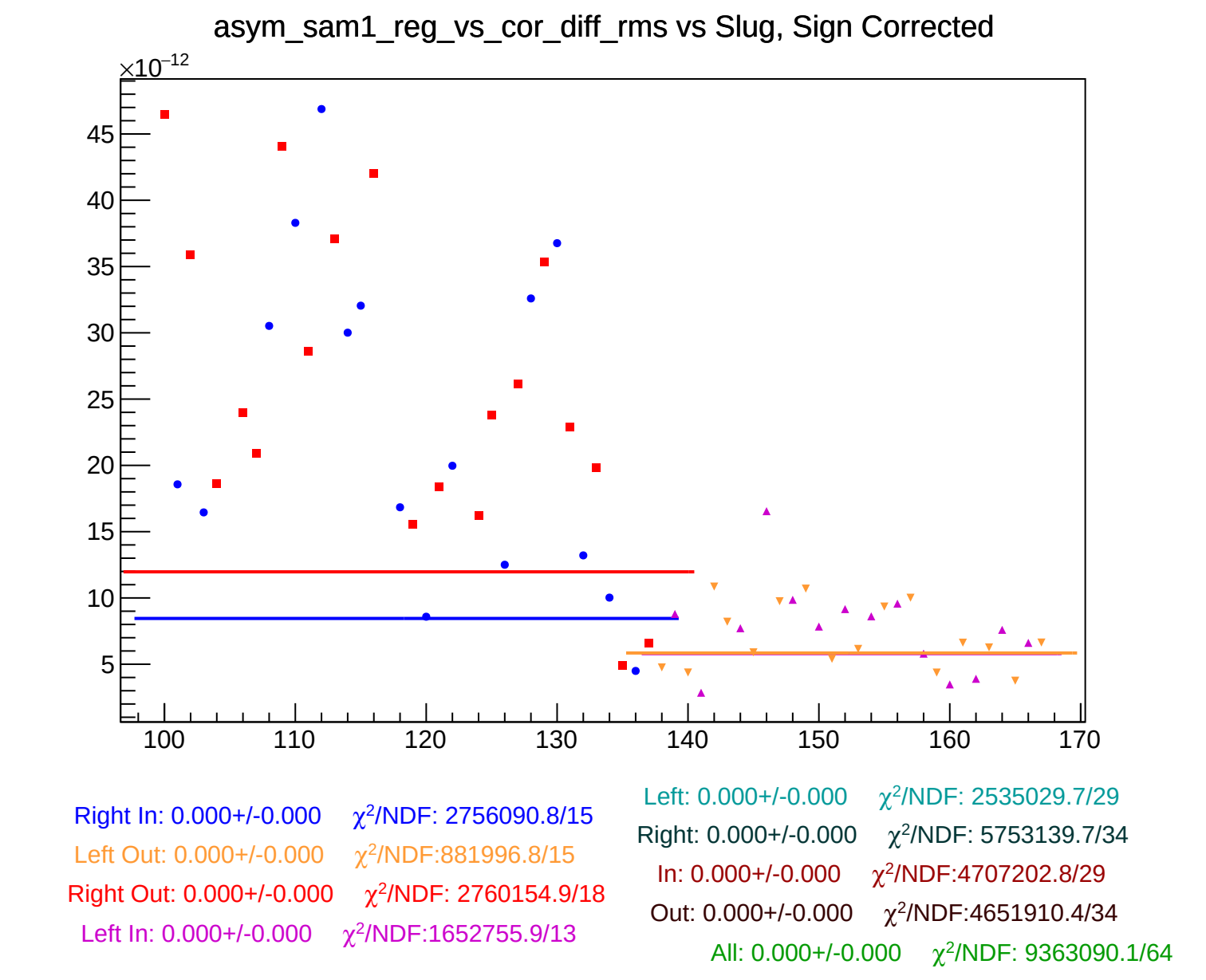
Left: 0.000+/-0.000 χ^2/NDF: 18.8/29

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:26.6/29

Out: 0.000+/-0.000 χ^2/NDF:27.5/34

All: 0.000+/-0.000 χ^2/NDF: 54.3/64


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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100
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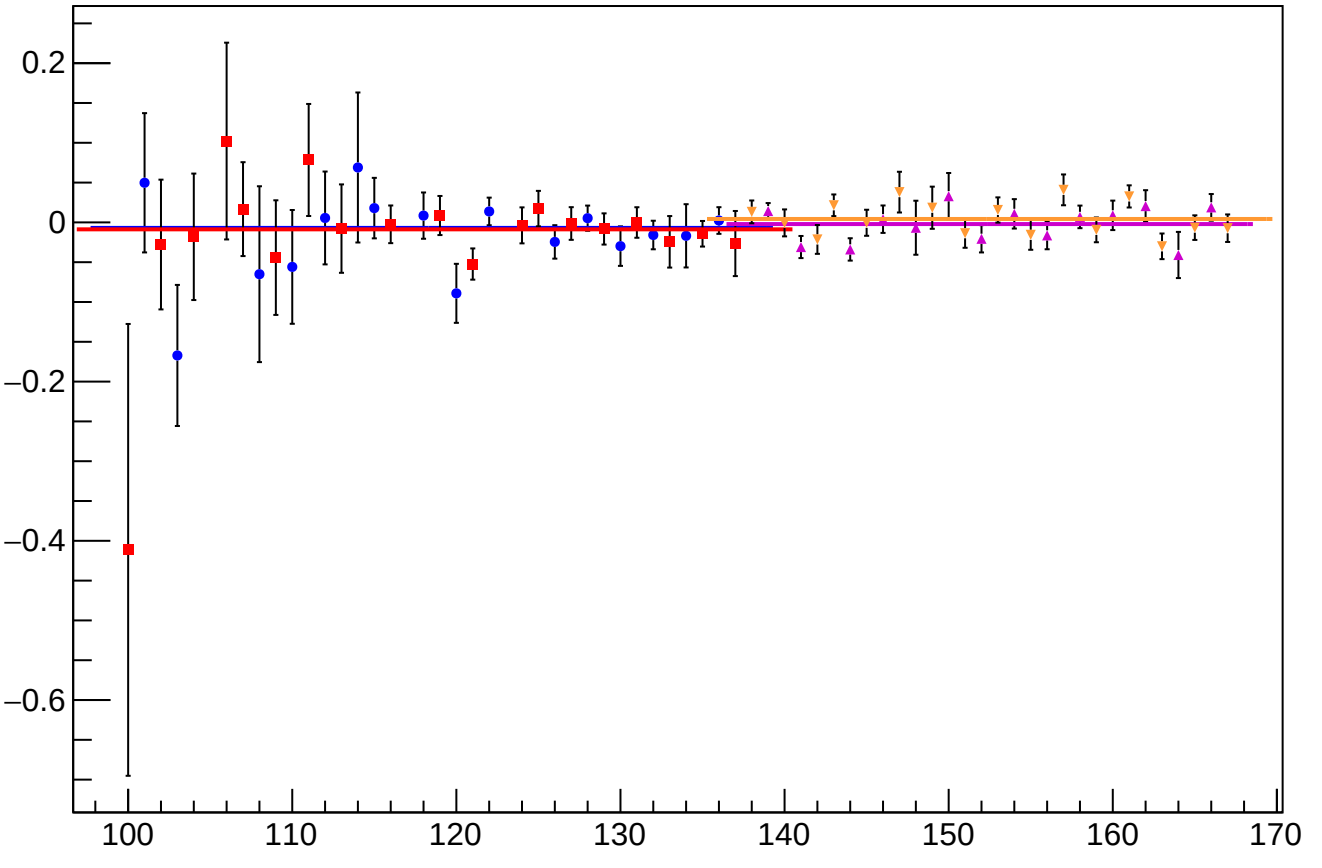
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:881996.8/15
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1652755.9/13
Left: 0.000+/-0.000 χ²/NDF: 2535029.7/29
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4707202.8/29
Out: 0.000+/-0.000 χ²/NDF:4651910.4/34
All: 0.000+/-0.000 χ²/NDF: 9363090.1/64



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.002+/-0.004 χ^2/NDF:21.4/13

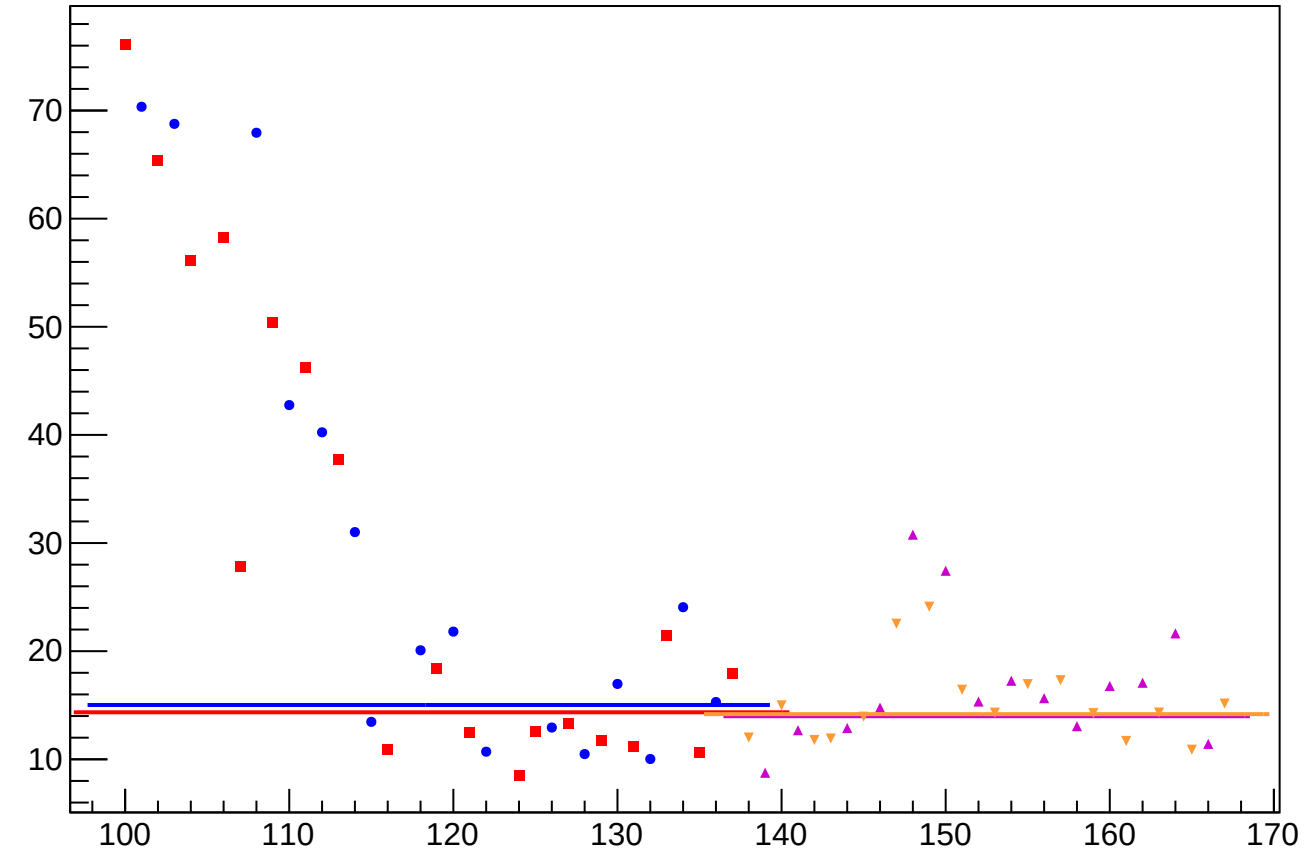
Left: 0.001+/-0.003 χ^2/NDF: 45.3/29

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.004+/-0.004 χ^2/NDF:36.7/29

Out: 0.000+/-0.004 χ^2/NDF:38.3/34

All: -0.001+/-0.003 χ^2/NDF: 75.6/64



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.177+/-0.003 χ^2/NDF:923215.1/15

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.985+/-0.003 χ^2/NDF:1874226.3/13

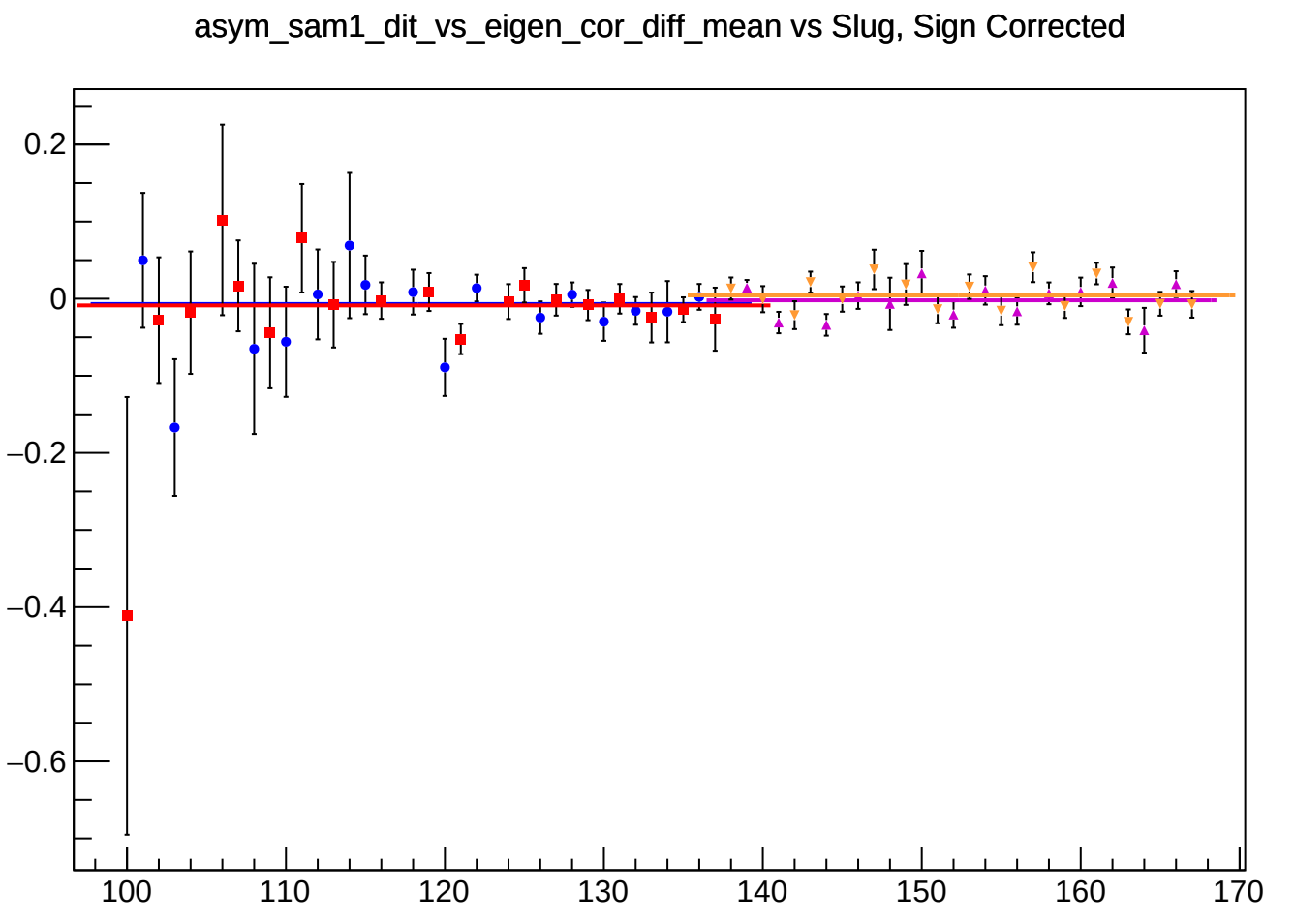
Left: 14.087+/-0.002 χ^2/NDF: 2799389.9/29

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.302+/-0.003 χ^2/NDF:5345682.8/29

Out: 14.228+/-0.002 χ^2/NDF:4553238.8/34

All: 14.263+/-0.002 χ^2/NDF: 9899340.0/64



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.002+/-0.004 χ^2/NDF:21.4/13

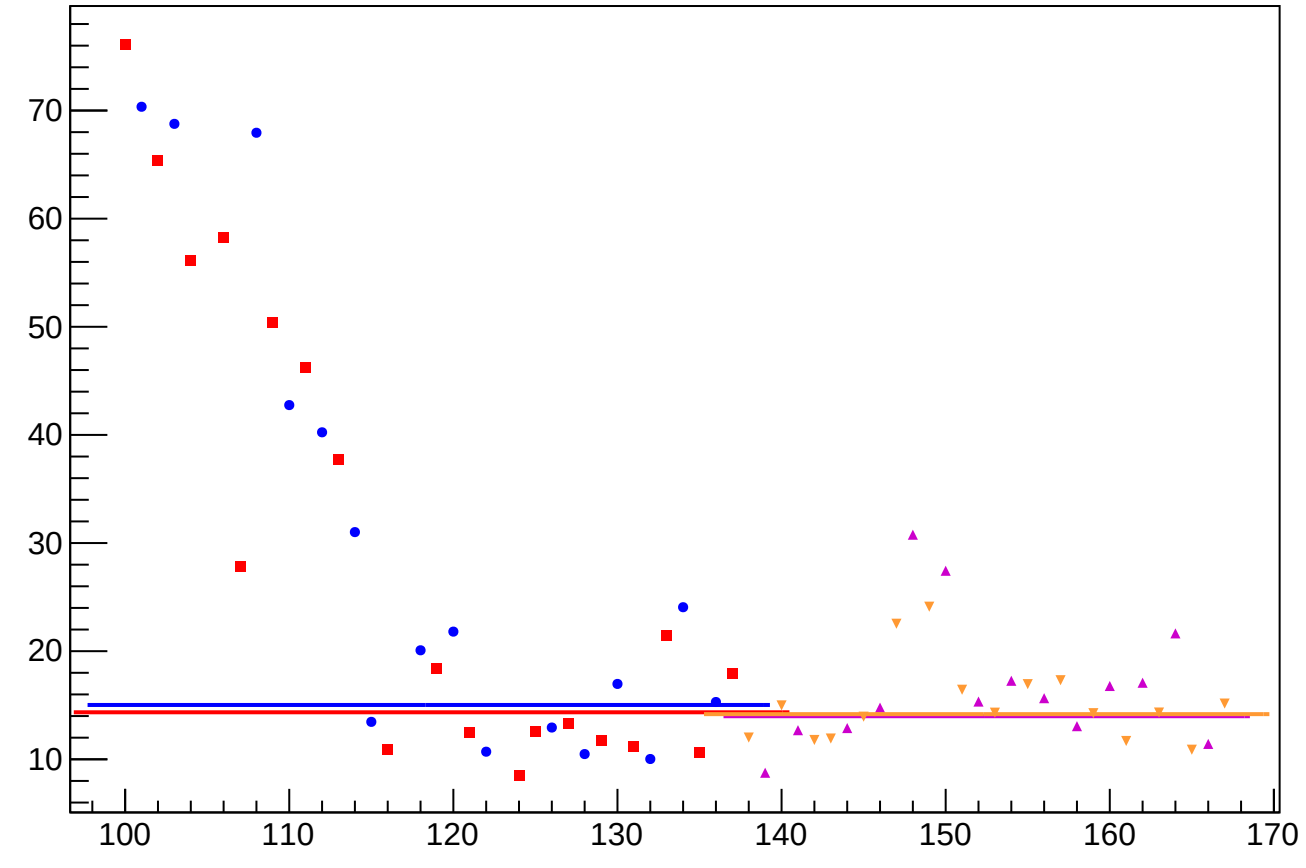
Left: 0.001+/-0.003 χ^2/NDF: 45.3/29

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.004+/-0.004 χ^2/NDF:36.7/29

Out: 0.000+/-0.004 χ^2/NDF:38.3/34

All: -0.001+/-0.003 χ^2/NDF: 75.6/64



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.177+/-0.003 χ^2/NDF:923215.1/15

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.985+/-0.003 χ^2/NDF:1874226.3/13

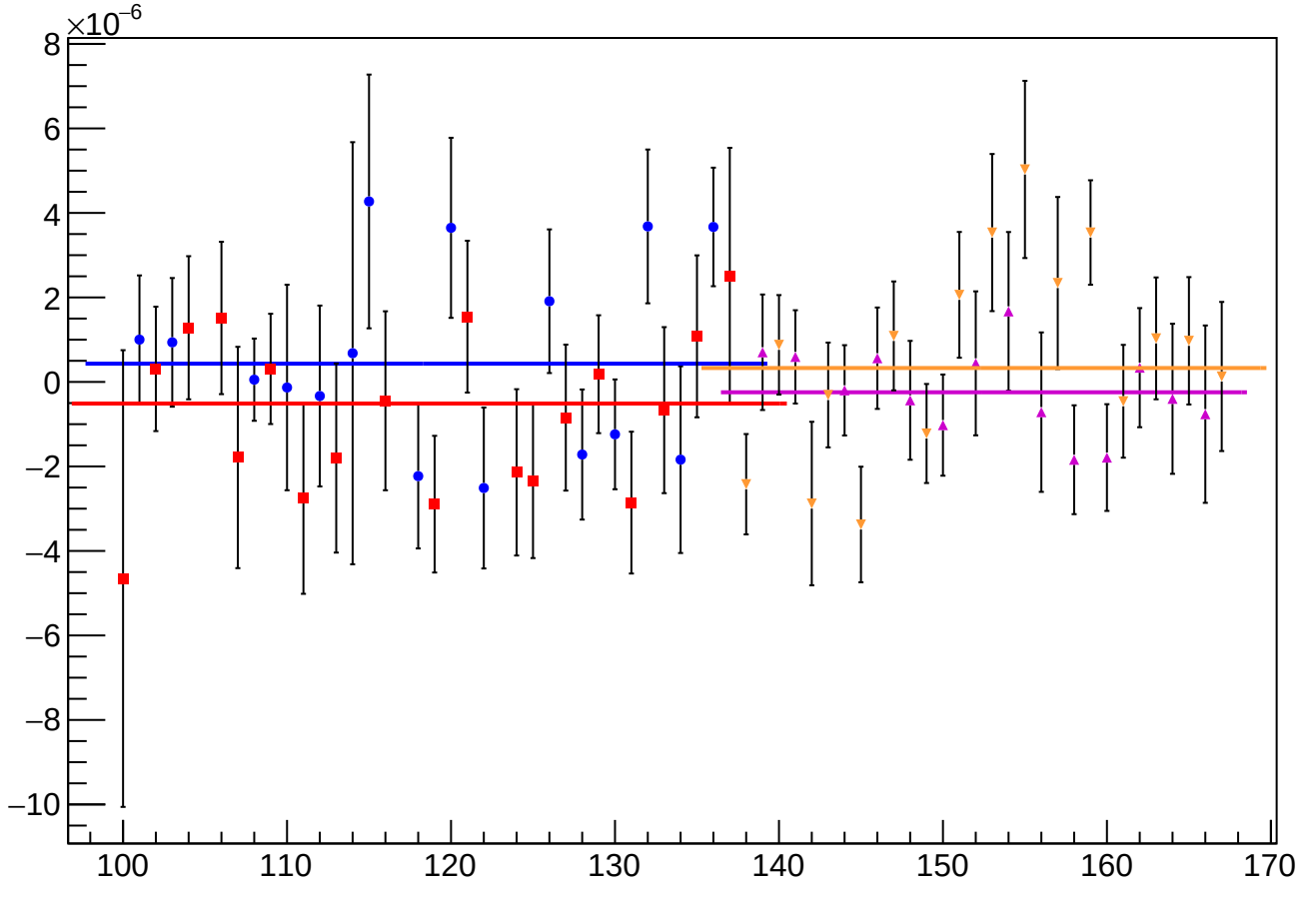
Left: 14.087+/-0.002 χ^2/NDF: 2799389.9/29

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.302+/-0.003 χ^2/NDF:5345682.8/29

Out: 14.228+/-0.002 χ^2/NDF:4553238.8/34

All: 14.263+/-0.002 χ^2/NDF: 9899340.0/64



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/13

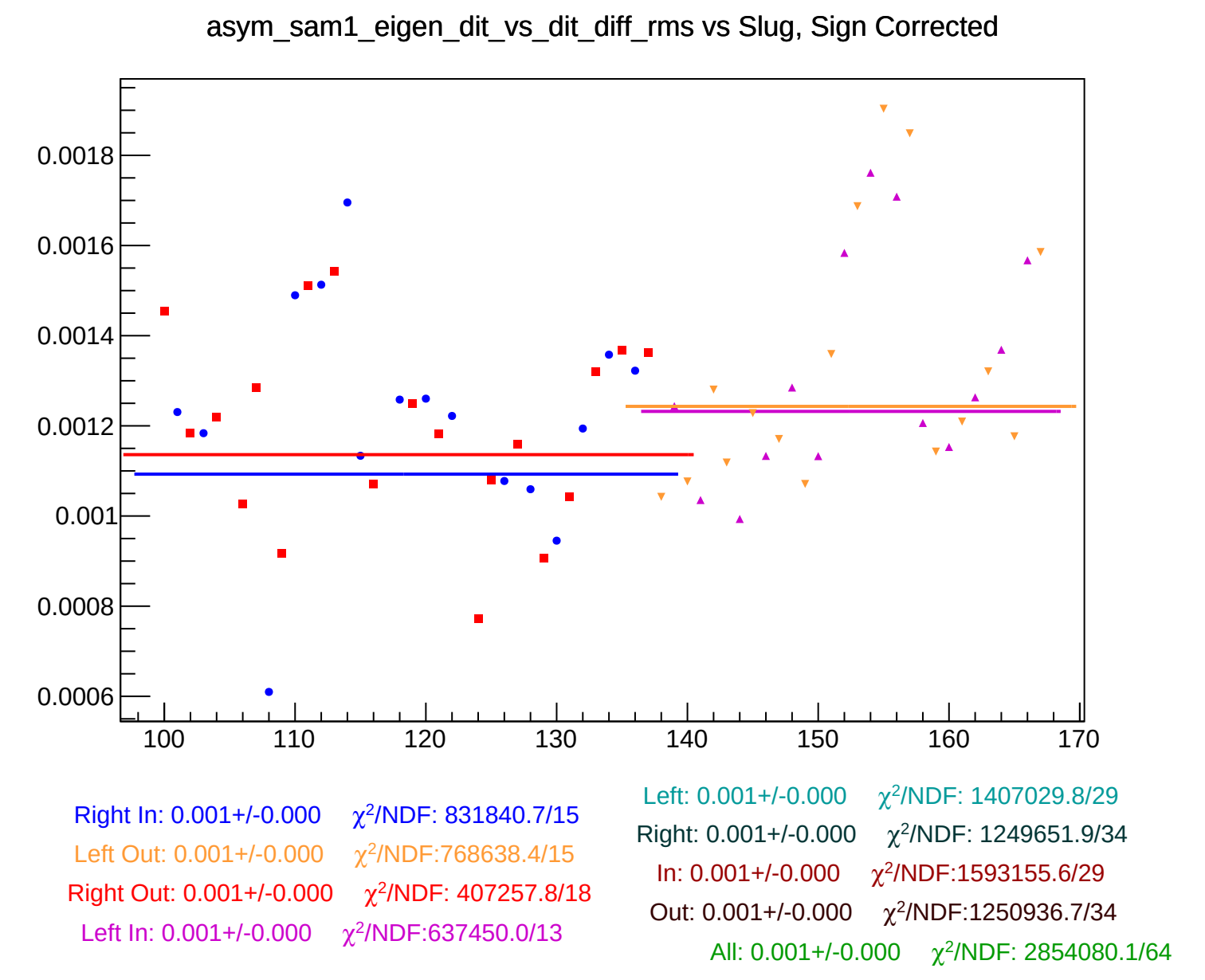
Left: 0.000+/-0.000 χ^2/NDF: 43.6/29

Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.2/29

Out: -0.000+/-0.000 χ^2/NDF:52.5/34

All: 0.000+/-0.000 χ^2/NDF: 83.7/64


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
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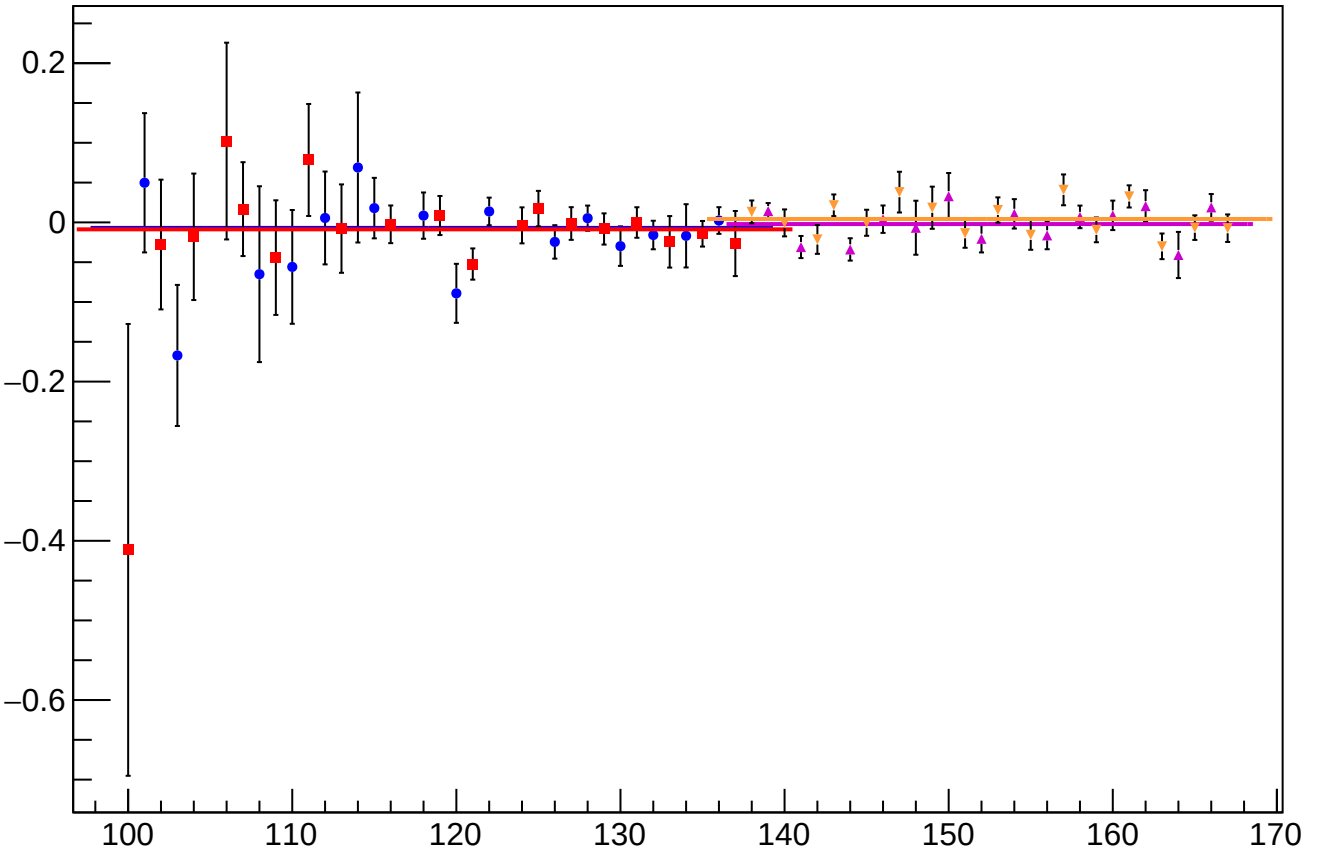
160
170
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:768638.4/15
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:637450.0/13
Left: 0.001+/-0.000 χ²/NDF: 1407029.8/29
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1593155.6/29
Out: 0.001+/-0.000 χ²/NDF:1250936.7/34
All: 0.001+/-0.000 χ²/NDF: 2854080.1/64



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.002+/-0.004 χ^2/NDF:21.4/13

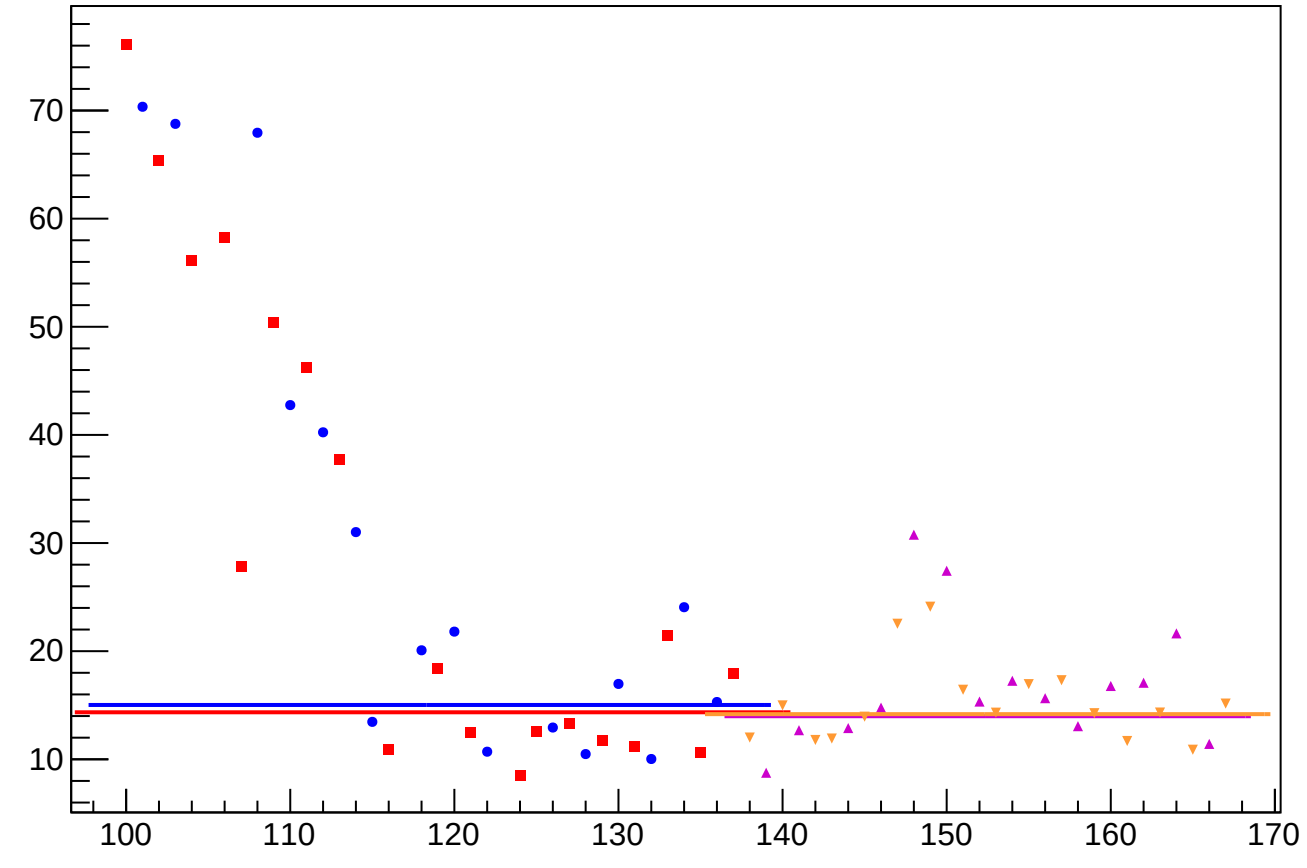
Left: 0.001+/-0.003 χ^2/NDF: 45.3/29

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.004+/-0.004 χ^2/NDF:36.7/29

Out: 0.000+/-0.004 χ^2/NDF:38.3/34

All: -0.001+/-0.003 χ^2/NDF: 75.6/64



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.176+/-0.003 χ^2/NDF:923275.4/15

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.985+/-0.003 χ^2/NDF:1874295.8/13

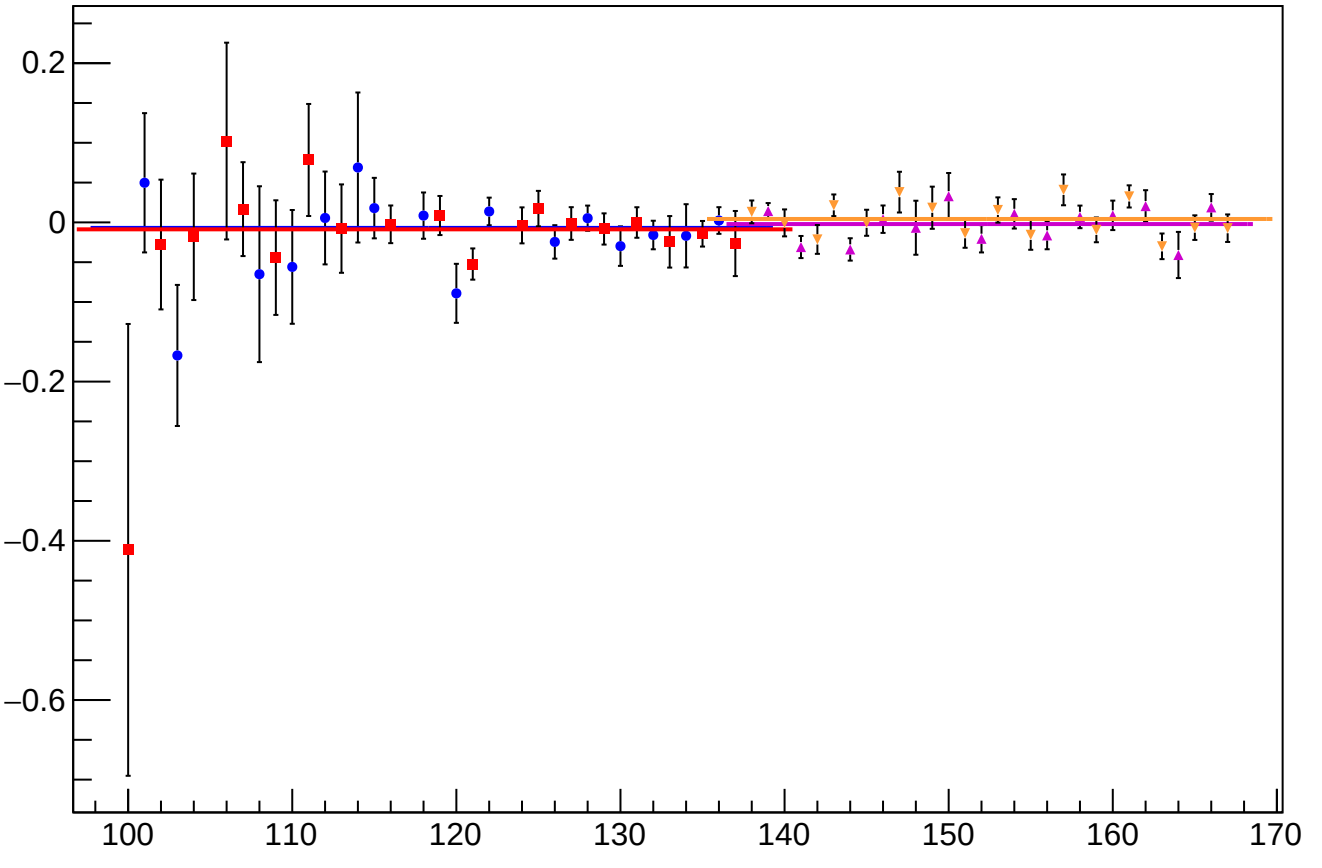
Left: 14.086+/-0.002 χ^2/NDF: 2799519.4/29

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.302+/-0.003 χ^2/NDF:5345764.8/29

Out: 14.228+/-0.002 χ^2/NDF:4553289.3/34

All: 14.263+/-0.002 χ^2/NDF: 9899472.4/64



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.002+/-0.004 χ^2/NDF:21.4/13

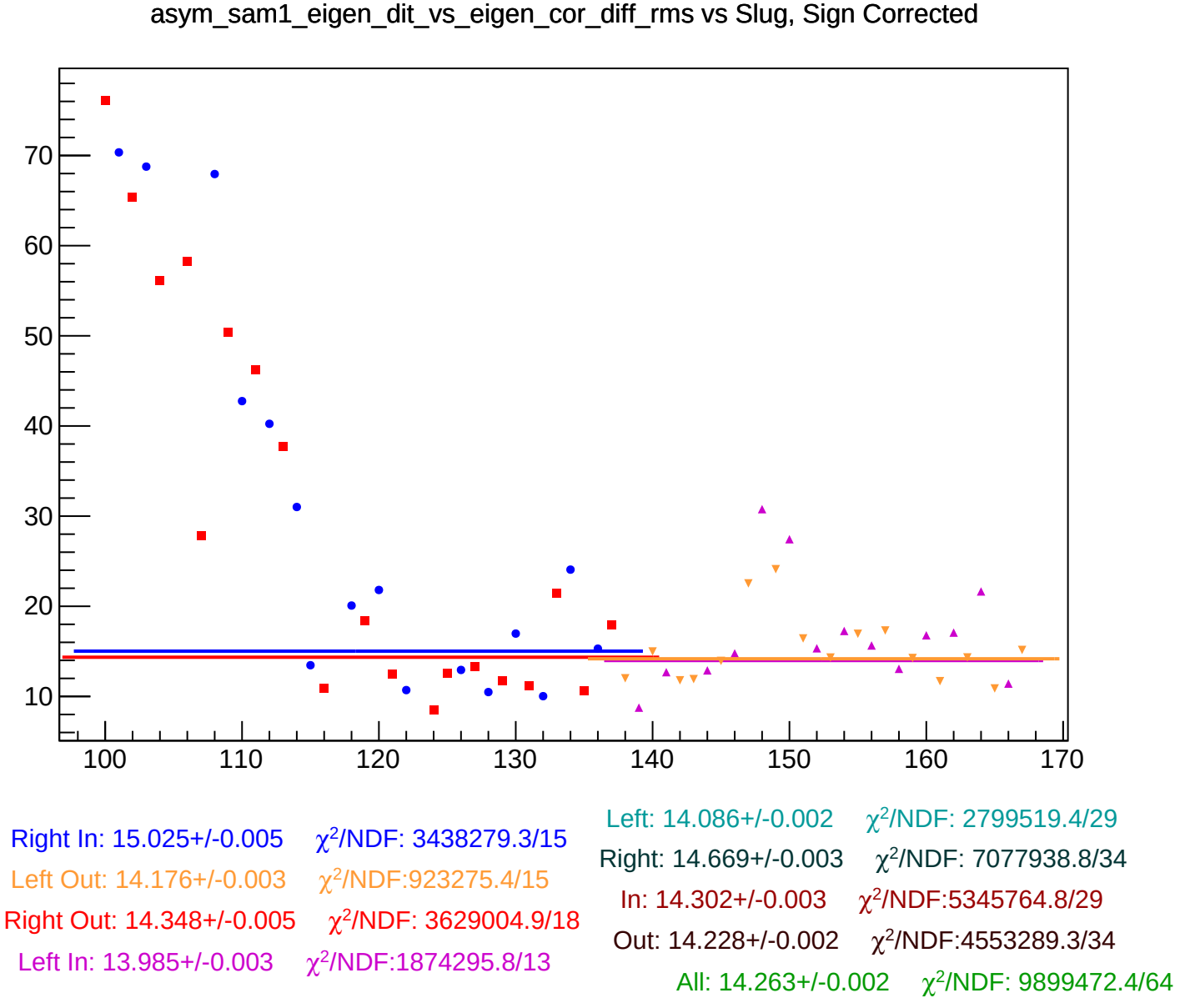
Left: 0.001+/-0.003 χ^2/NDF: 45.3/29

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.004+/-0.004 χ^2/NDF:36.7/29

Out: 0.000+/-0.004 χ^2/NDF:38.3/34

All: -0.001+/-0.003 χ^2/NDF: 75.6/64


asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
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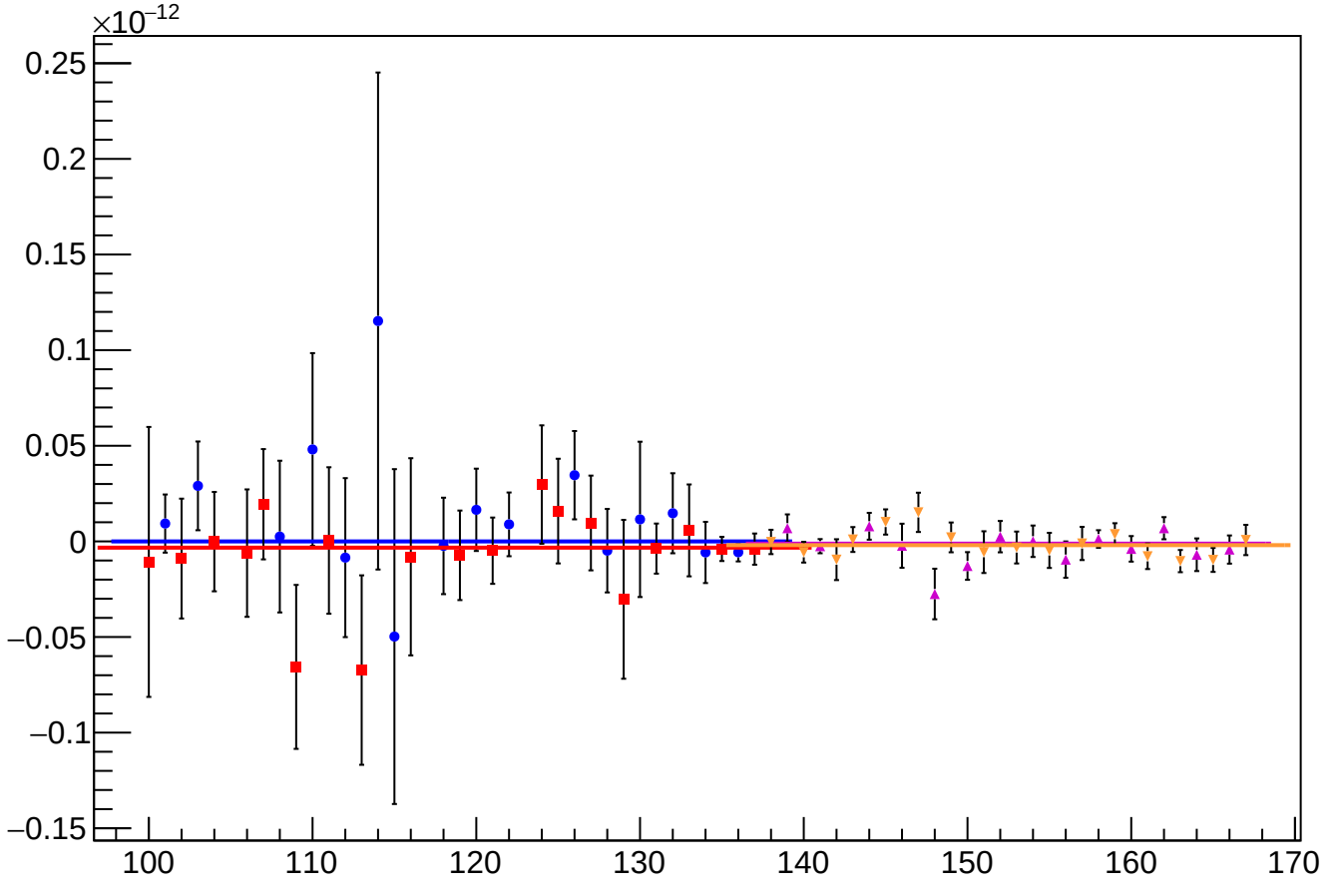
160
170
Right In: 15.025+/-0.005 χ²/NDF: 3438279.3/15
Left Out: 14.176+/-0.003 χ²/NDF:923275.4/15
Right Out: 14.348+/-0.005 χ²/NDF: 3629004.9/18
Left In: 13.985+/-0.003 χ²/NDF:1874295.8/13
Left: 14.086+/-0.002 χ²/NDF: 2799519.4/29
Right: 14.669+/-0.003 χ²/NDF: 7077938.8/34
In: 14.302+/-0.003 χ²/NDF:5345764.8/29
Out: 14.228+/-0.002 χ²/NDF:4553289.3/34
All: 14.263+/-0.002 χ²/NDF: 9899472.4/64



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/13

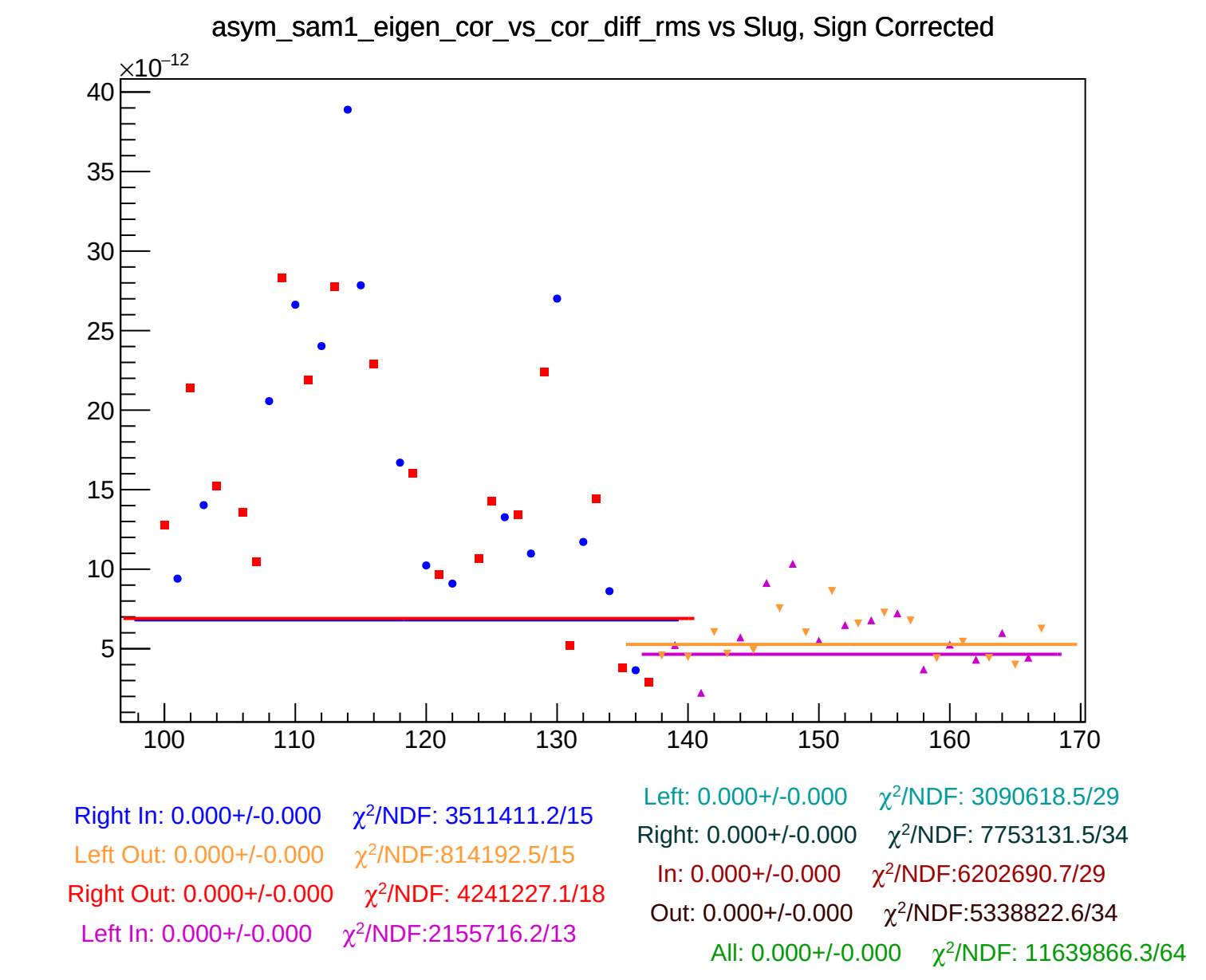
Left: -0.000+/-0.000 χ^2/NDF: 27.1/29

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:23.0/29

Out: -0.000+/-0.000 χ^2/NDF:20.5/34

All: -0.000+/-0.000 χ^2/NDF: 43.8/64


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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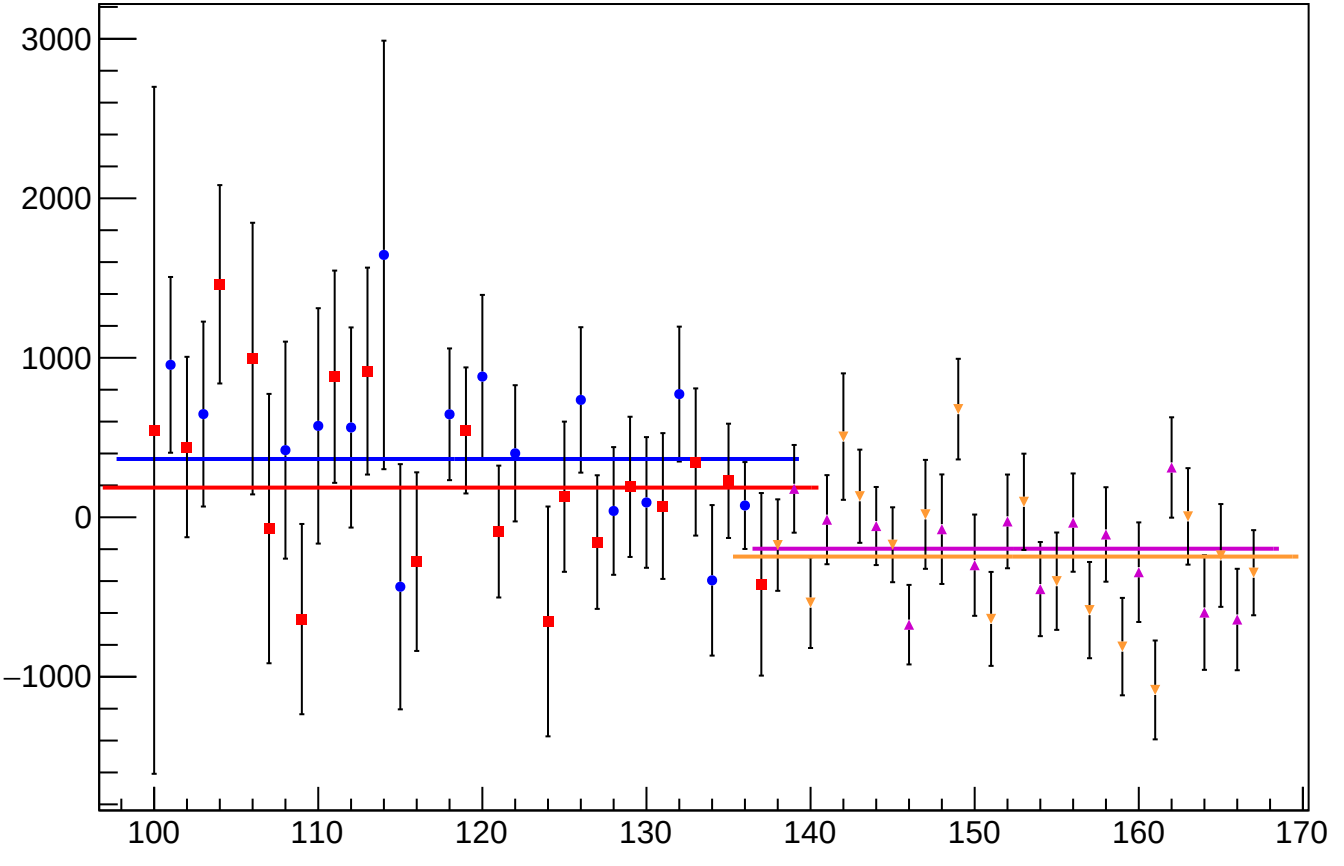
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:814192.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2155716.2/13
Left: 0.000+/-0.000 χ²/NDF: 3090618.5/29
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6202690.7/29
Out: 0.000+/-0.000 χ²/NDF:5338822.6/34
All: 0.000+/-0.000 χ²/NDF: 11639866.3/64

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -246.352+/-74.689 χ^2/NDF:31.7/15

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -197.090+/-79.013 χ^2/NDF:14.0/13

Left: -223.106+/-54.278 χ^2/NDF: 45.9/29

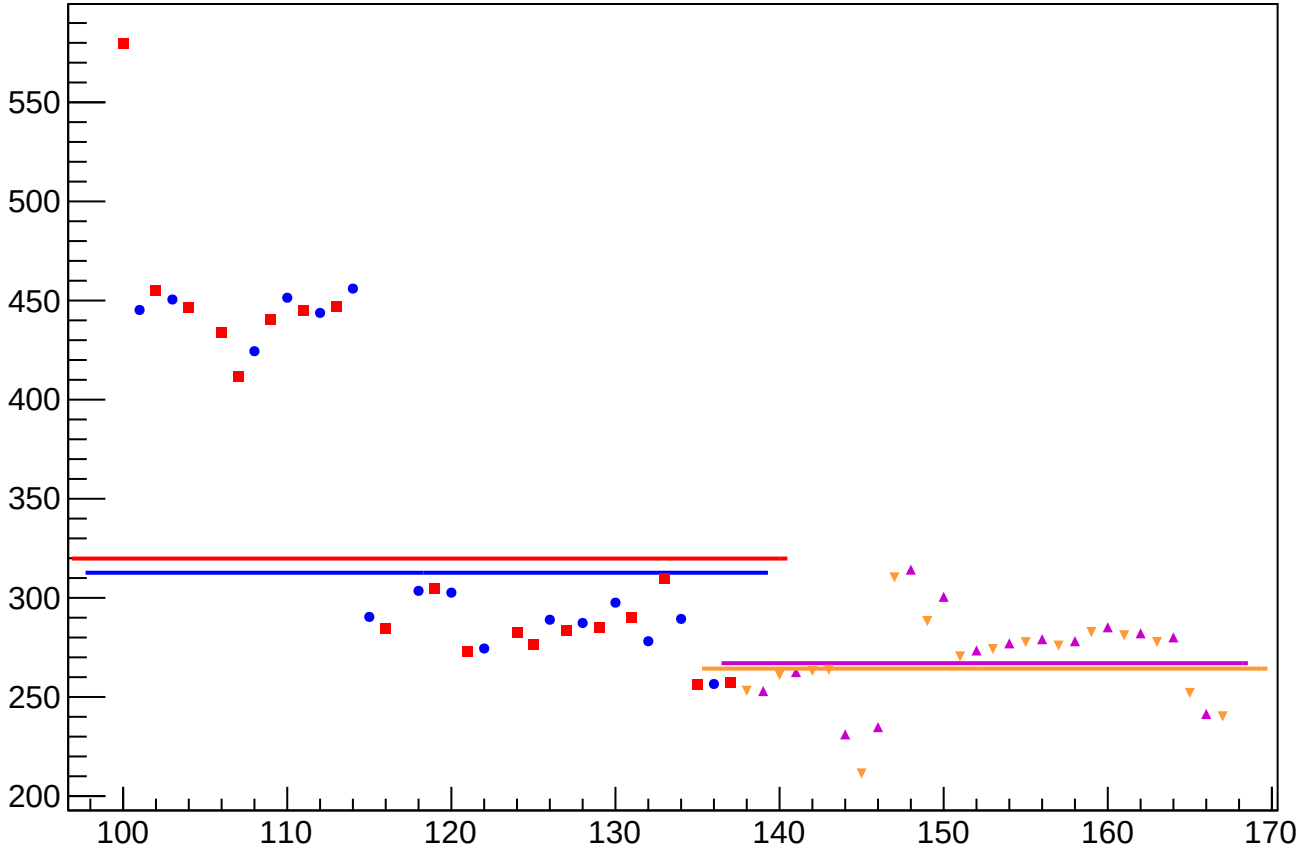
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -24.685+/-65.803 χ^2/NDF:41.0/29

Out: -125.861+/-63.438 χ^2/NDF:56.1/34

All: -77.124+/-45.671 χ^2/NDF: 98.3/64

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 264.304+/-0.053 χ^2/NDF:198666.6/15

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 267.053+/-0.056 χ^2/NDF:178348.6/13

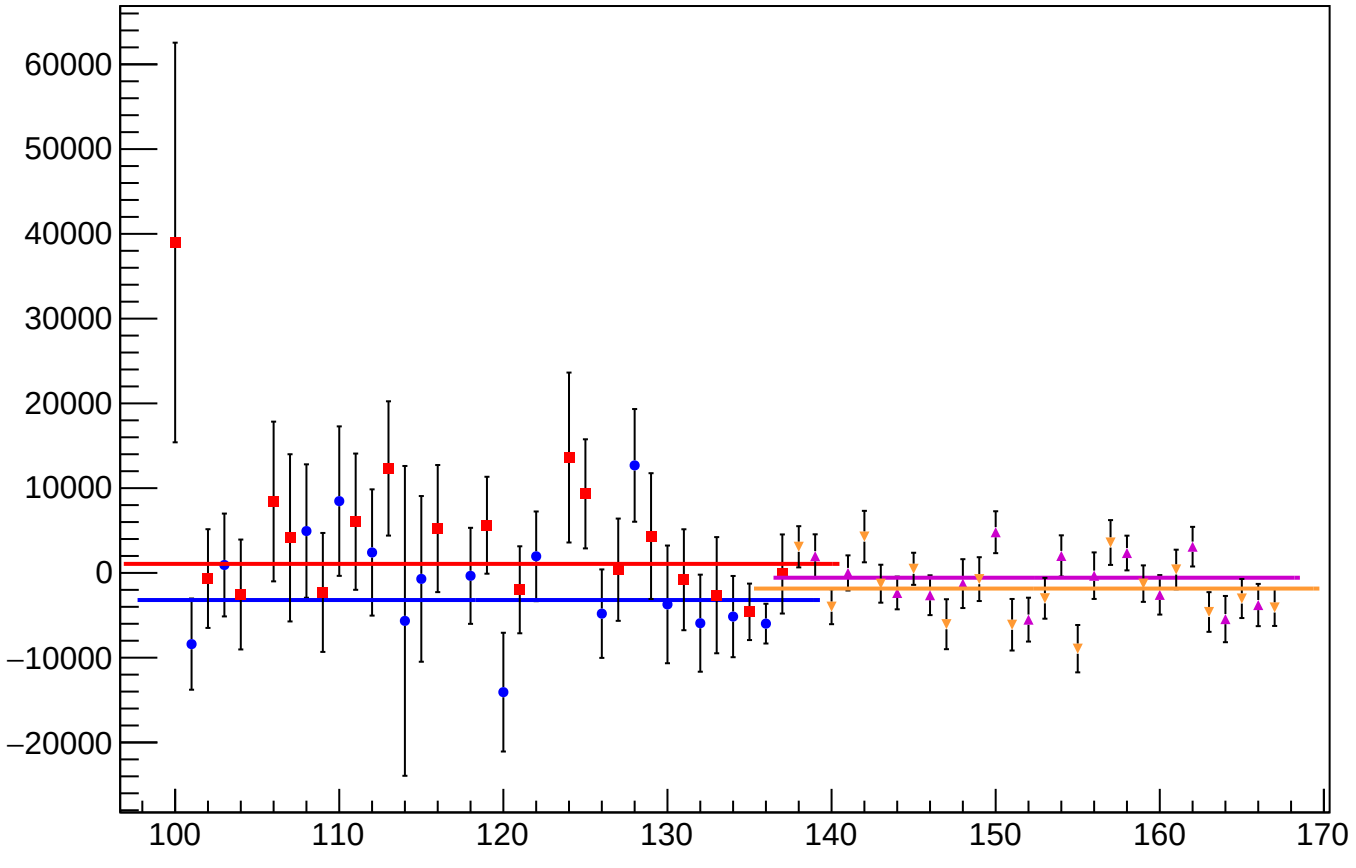
Left: 265.601+/-0.038 χ^2/NDF: 378293.5/29

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 281.035+/-0.047 χ^2/NDF:984940.7/29

Out: 279.777+/-0.045 χ^2/NDF:1204609.9/34

All: 280.383+/-0.032 χ^2/NDF: 2189929.9/64



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1846.236+/-598.959 χ^2/NDF:29.6/15

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -567.951+/-636.488 χ^2/NDF:22.3/13

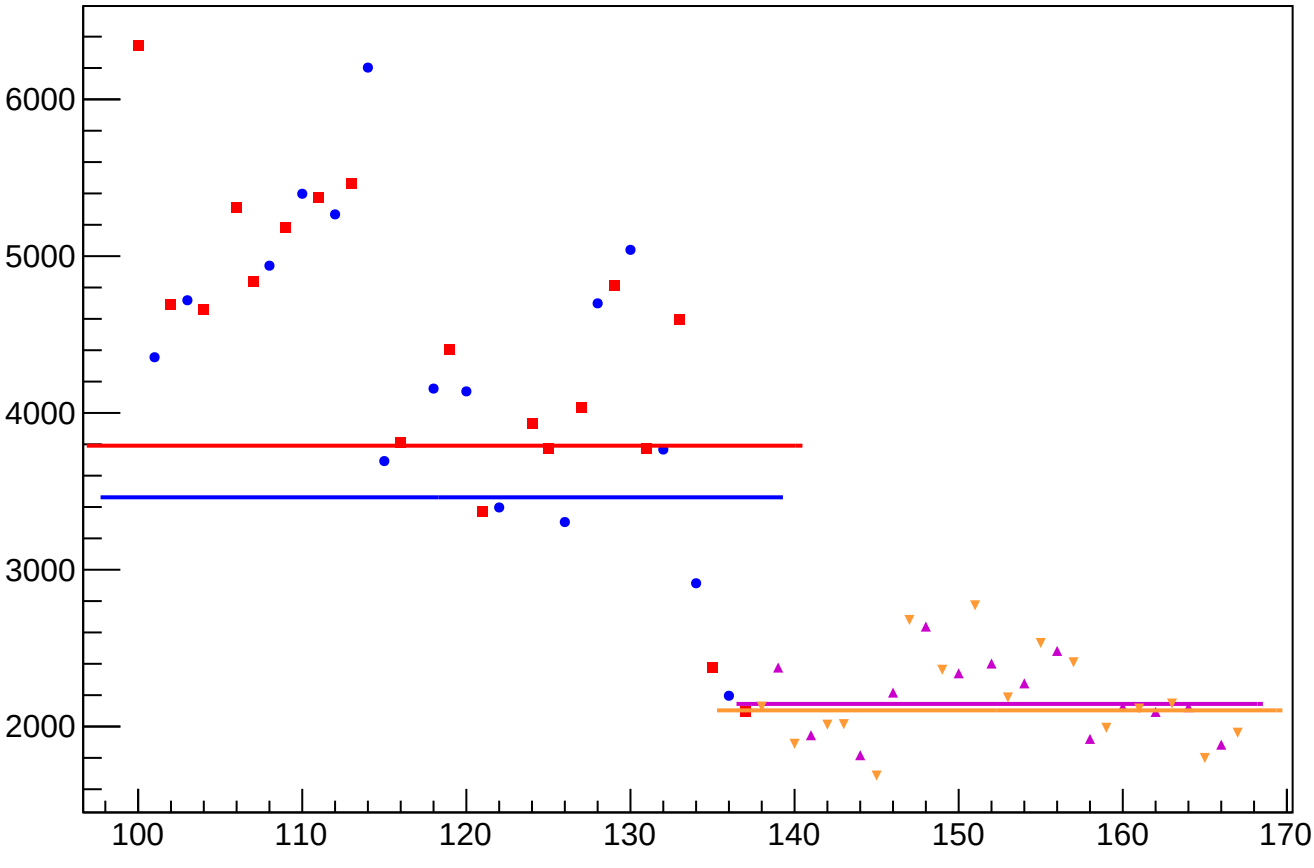
Left: -1245.888+/-436.192 χ^2/NDF: 54.1/29

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -1044.185+/-576.004 χ^2/NDF:41.5/29

Out: -1418.401+/-553.215 χ^2/NDF:47.5/34

All: -1238.842+/-398.995 χ^2/NDF: 89.2/64



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2103.006+/-0.424 χ^2/NDF:442401.0/15

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2144.199+/-0.450 χ^2/NDF:267709.7/13

Left: 2122.352+/-0.308 χ^2/NDF: 714553.4/29

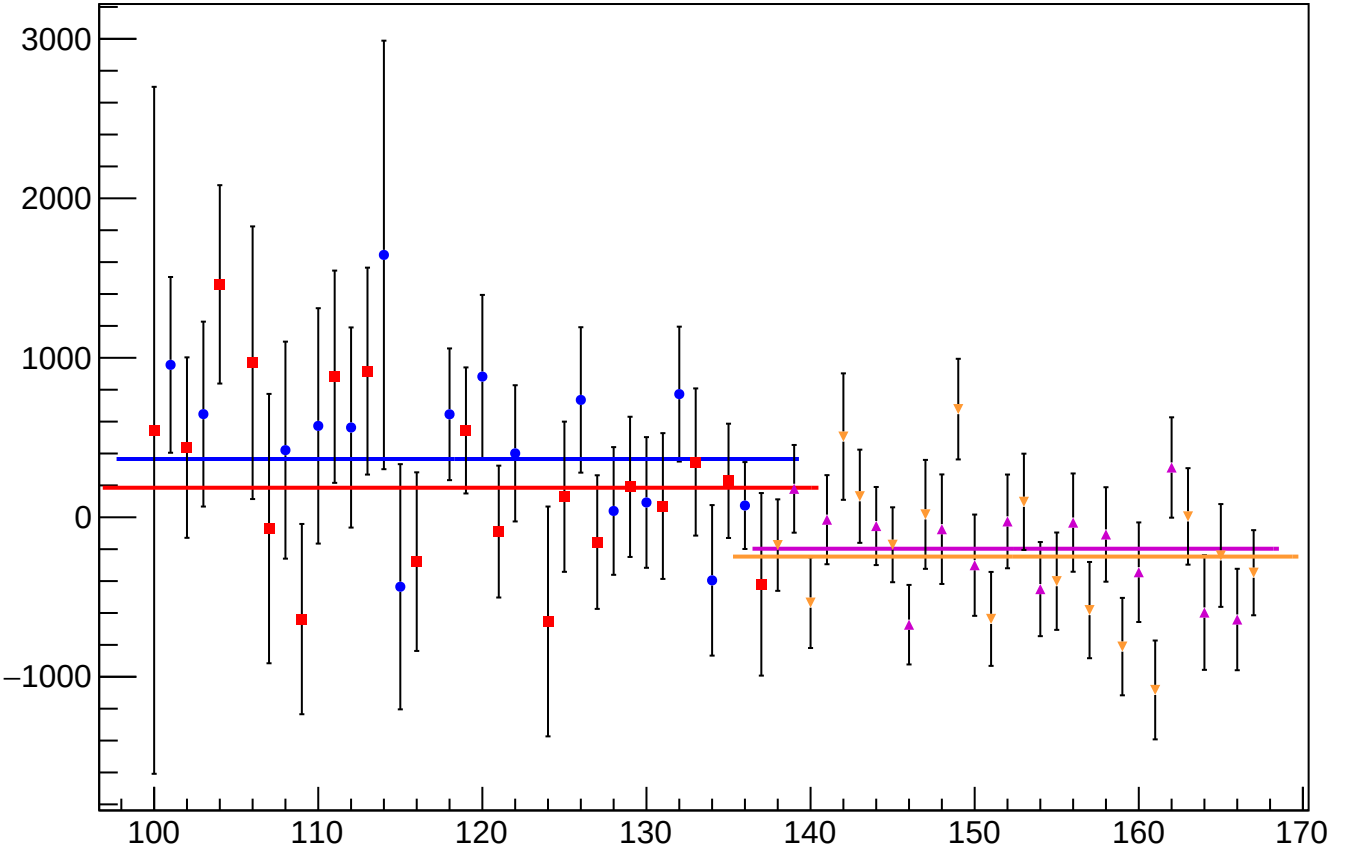
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2382.738+/-0.407 χ^2/NDF:3129090.9/29

Out: 2351.024+/-0.391 χ^2/NDF:3932383.7/34

All: 2366.241+/-0.282 χ^2/NDF: 7064628.3/64

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -246.345+/-74.689 χ^2/NDF:31.7/15

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -197.089+/-79.013 χ^2/NDF:14.0/13

Left: -223.102+/-54.278 χ^2/NDF: 45.9/29

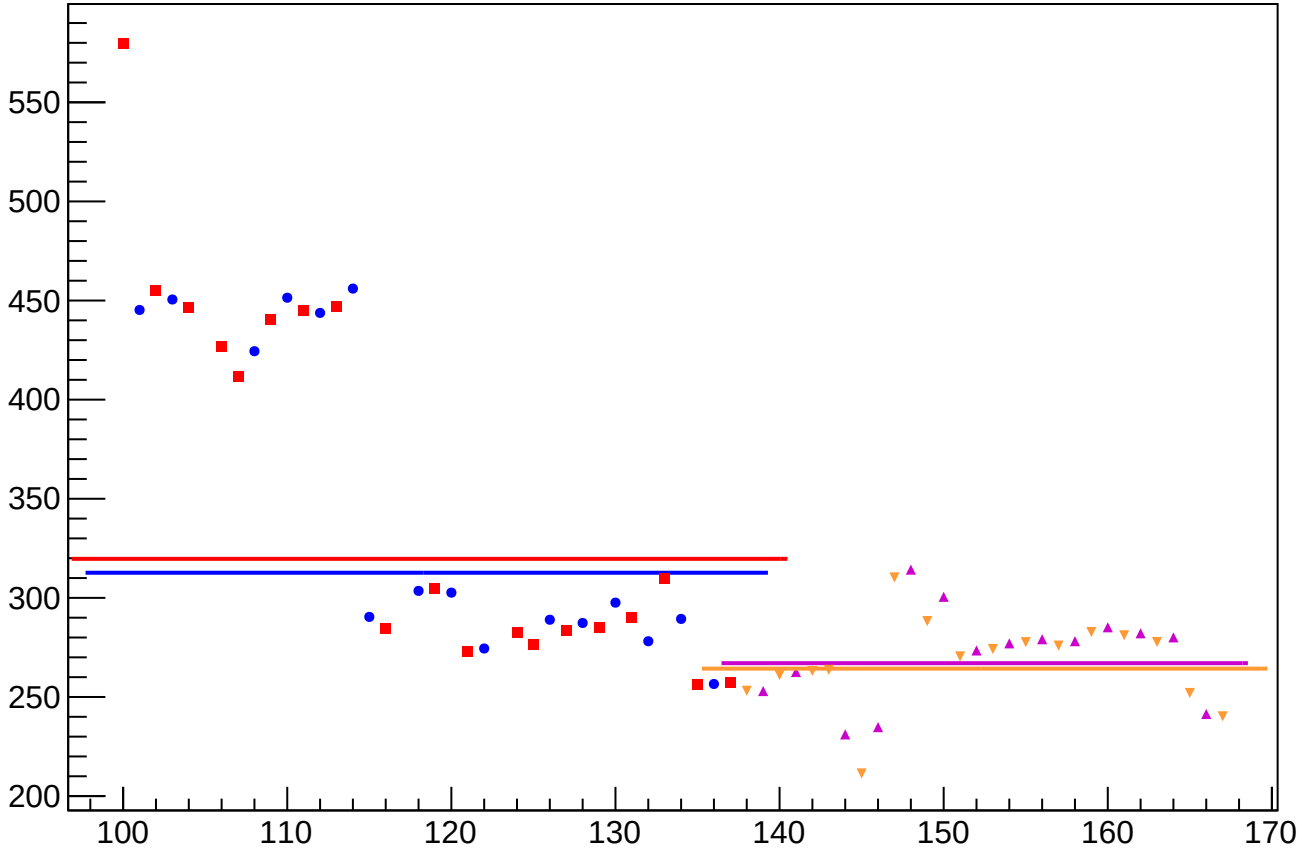
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -24.689+/-65.803 χ^2/NDF:41.0/29

Out: -126.098+/-63.439 χ^2/NDF:56.0/34

All: -77.248+/-45.671 χ^2/NDF: 98.2/64

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 264.304+/-0.053 χ^2/NDF:198666.6/15

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 267.053+/-0.056 χ^2/NDF:178348.6/13

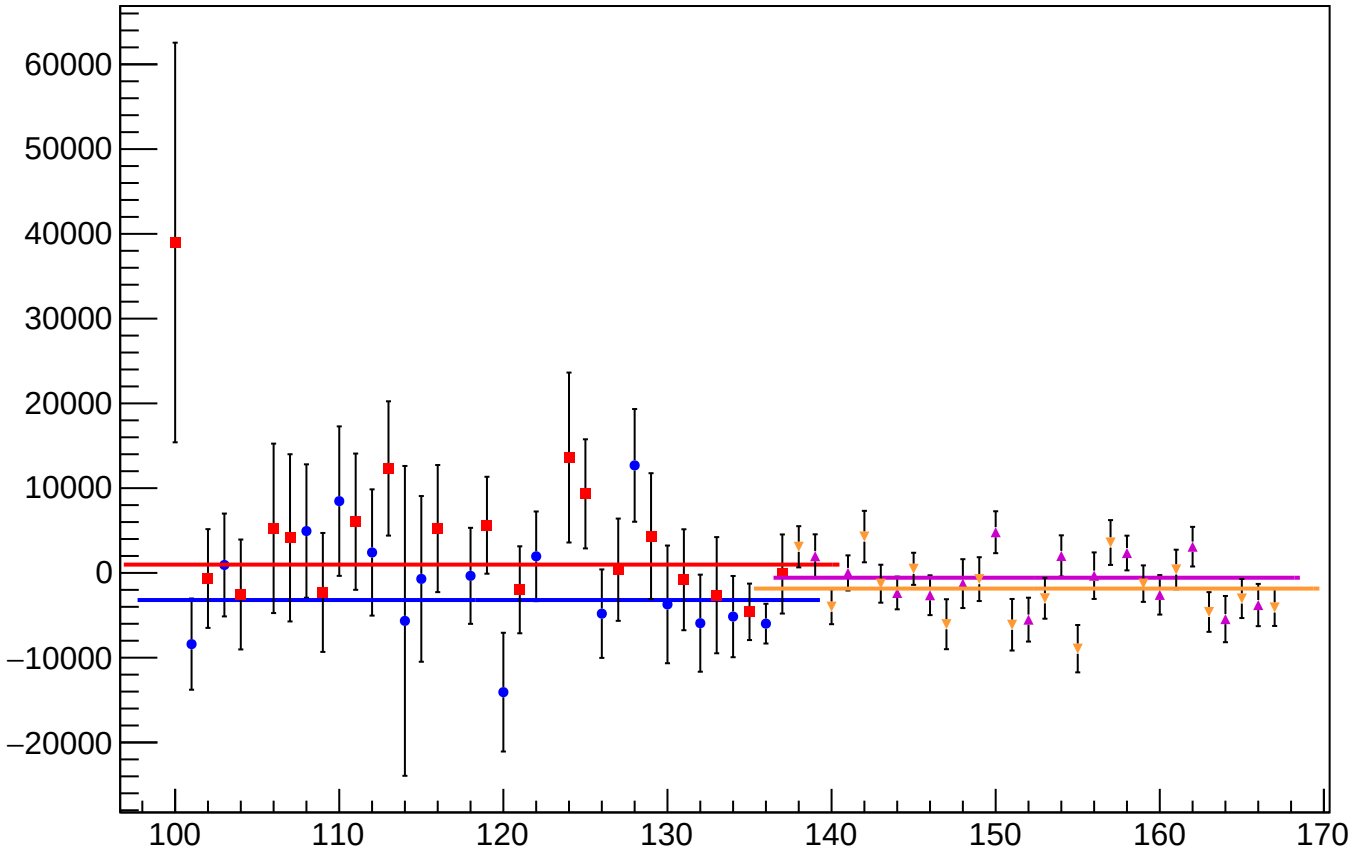
Left: 265.601+/-0.038 χ^2/NDF: 378293.5/29

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 281.035+/-0.047 χ^2/NDF:984942.2/29

Out: 279.733+/-0.045 χ^2/NDF:1198763.7/34

All: 280.360+/-0.032 χ^2/NDF: 2184111.9/64



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1846.227+/-598.959 χ^2/NDF:29.6/15

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -567.939+/-636.488 χ^2/NDF:22.3/13

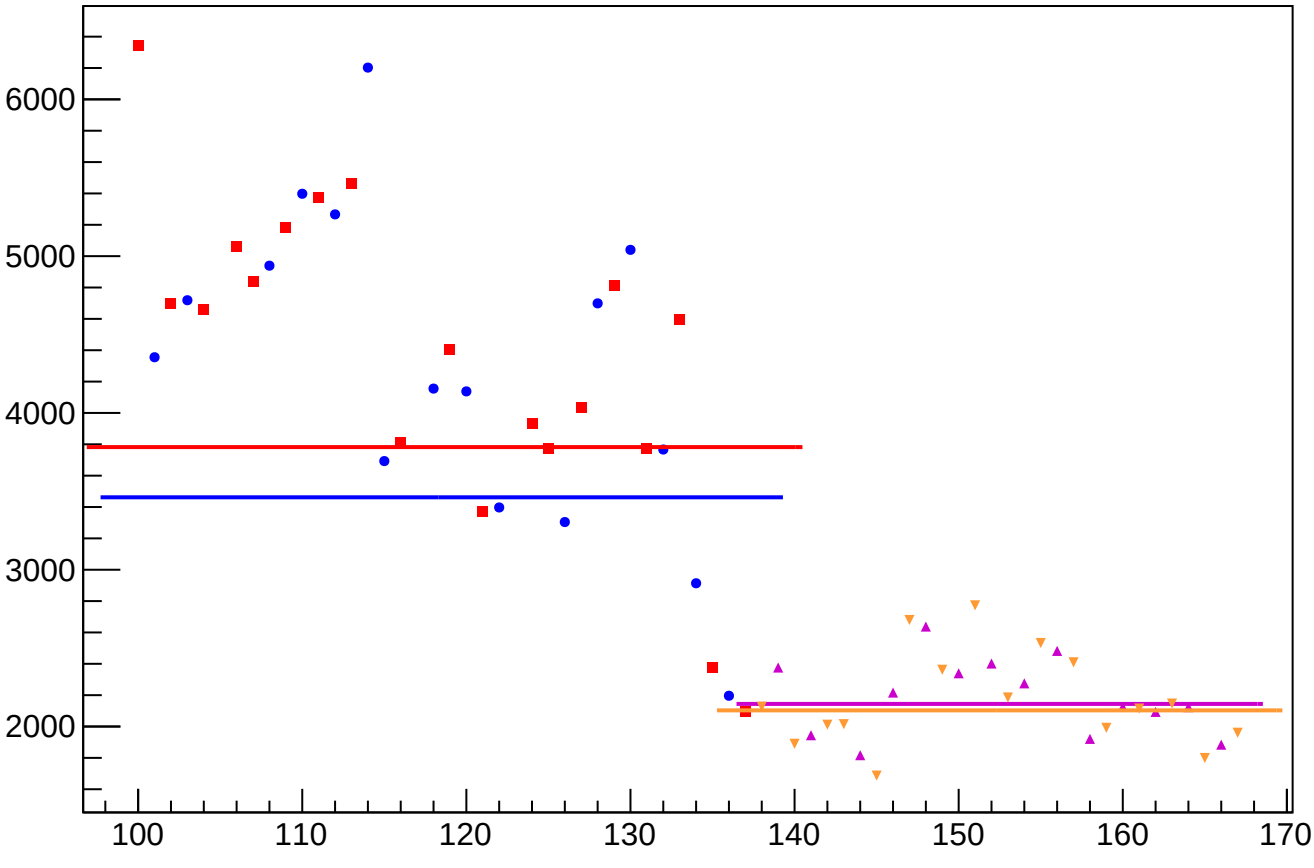
Left: -1245.878+/-436.192 χ^2/NDF: 54.1/29

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1044.161+/-576.005 χ^2/NDF:41.5/29

Out: -1431.832+/-553.324 χ^2/NDF:46.9/34

All: -1245.779+/-399.036 χ^2/NDF: 88.6/64


asym_sam2_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
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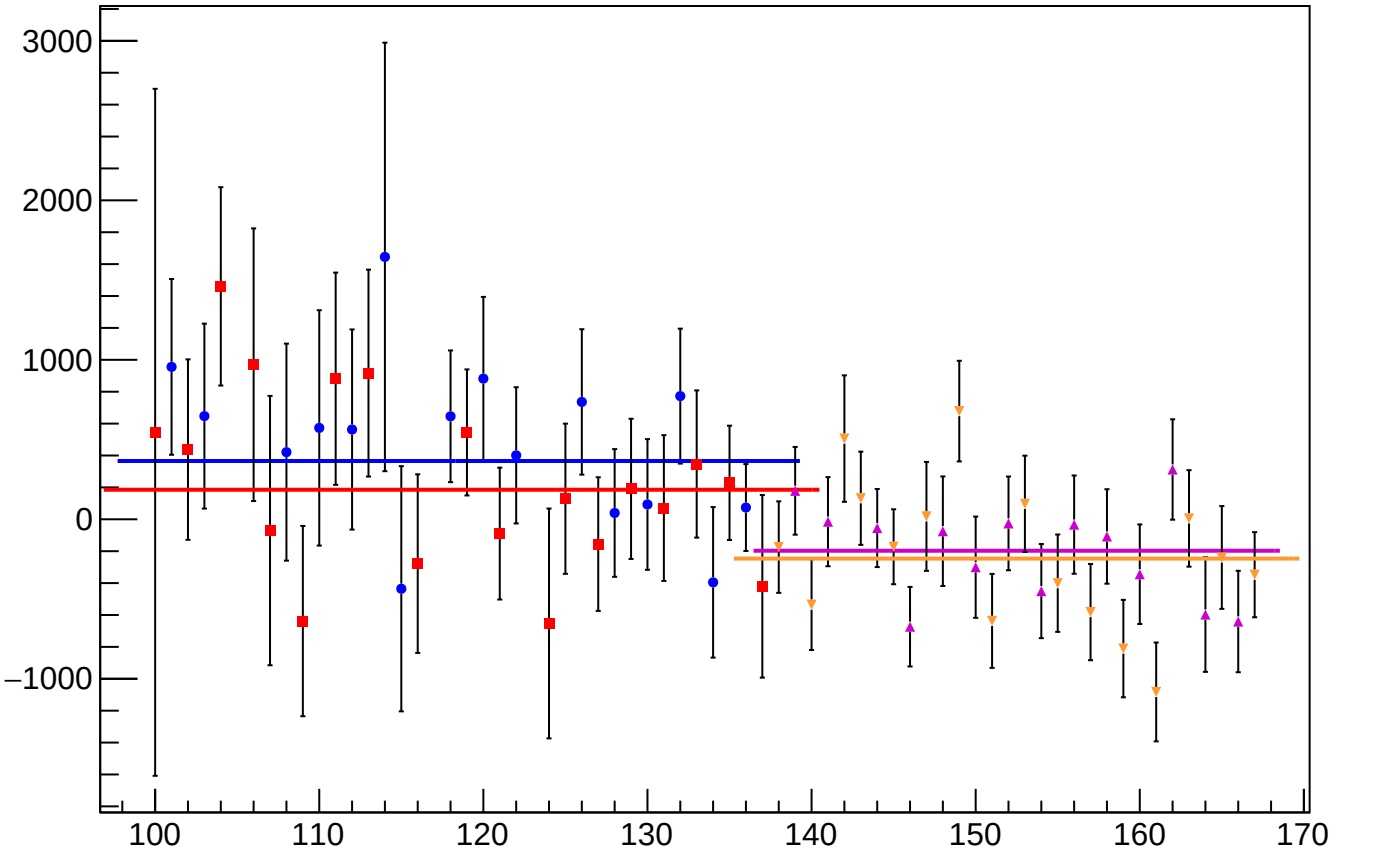
120
130
140
150
160
170
Right In: 3461.932+/-0.957 χ²/NDF: 1309596.2/15
Left Out: 2103.006+/-0.424 χ²/NDF:442401.5/15
Right Out: 3782.176+/-1.022 χ²/NDF: 1136342.8/18
Left In: 2144.199+/-0.450 χ²/NDF:267710.2/13
Left: 2122.353+/-0.308 χ²/NDF: 714554.5/29
Right: 3611.602+/-0.699 χ²/NDF: 2498242.4/34
In: 2382.738+/-0.407 χ²/NDF:3129110.5/29
Out: 2349.133+/-0.391 χ²/NDF:3882779.3/34
All: 2365.261+/-0.282 χ²/NDF: 7015430.4/64


eigen_cor_asym_sam2_mean vs Slug, Sign Corrected
3000
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−1000
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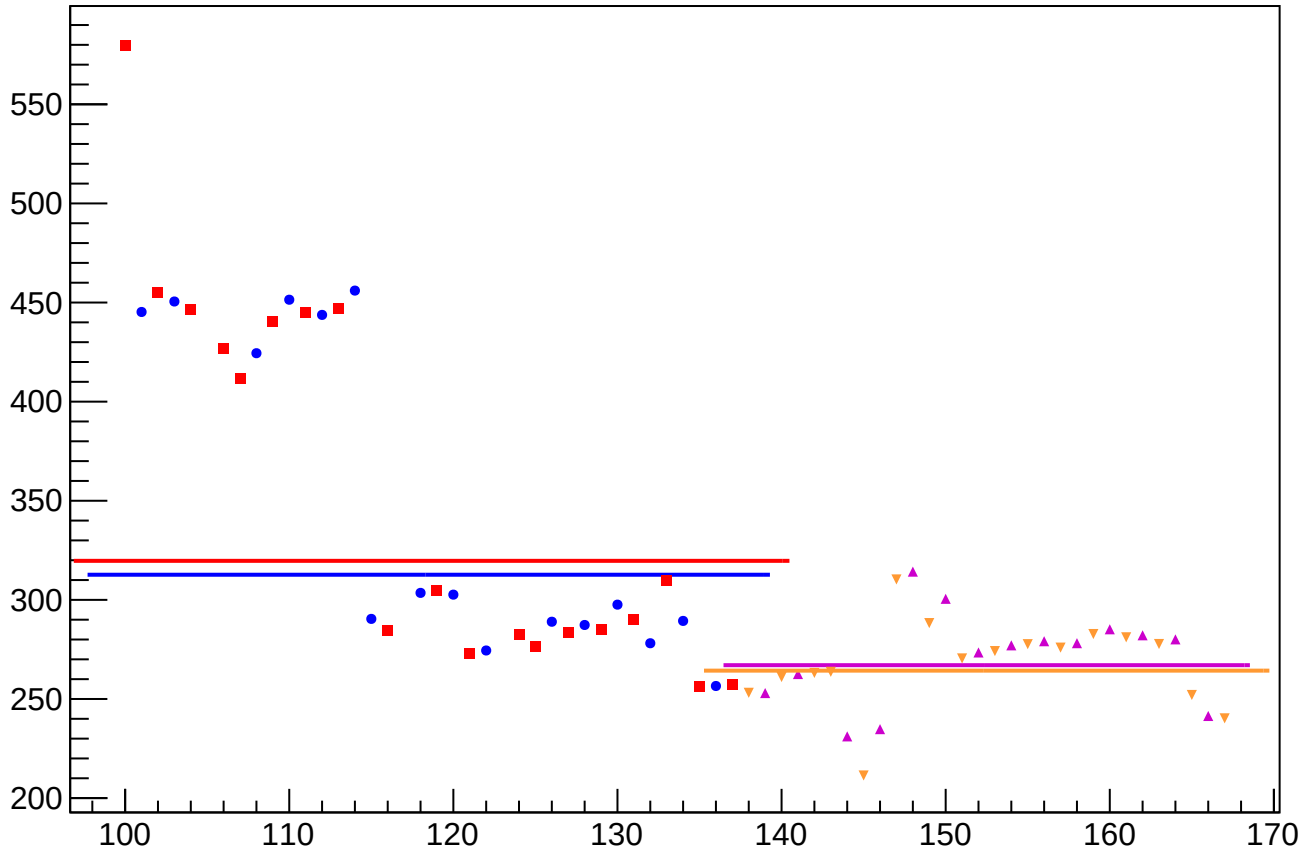
170
Right In: 365.523+/-118.873 χ²/NDF: 11.5/15
Left Out: -246.345+/-74.689 χ²/NDF:31.7/15
Right Out: 185.331+/-120.199 χ²/NDF: 14.9/18
Left In: -197.089+/-79.013 χ²/NDF:14.0/13
Left: -223.102+/-54.278 χ²/NDF: 45.9/29
Right: 276.426+/-84.521 χ²/NDF: 27.6/34
In: -24.689+/-65.803 χ²/NDF:41.0/29
Out: -126.098+/-63.439 χ²/NDF:56.0/34
All: -77.248+/-45.671 χ²/NDF: 98.2/64



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 264.304+/-0.053 χ^2/NDF:198666.6/15

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 267.053+/-0.056 χ^2/NDF:178348.6/13

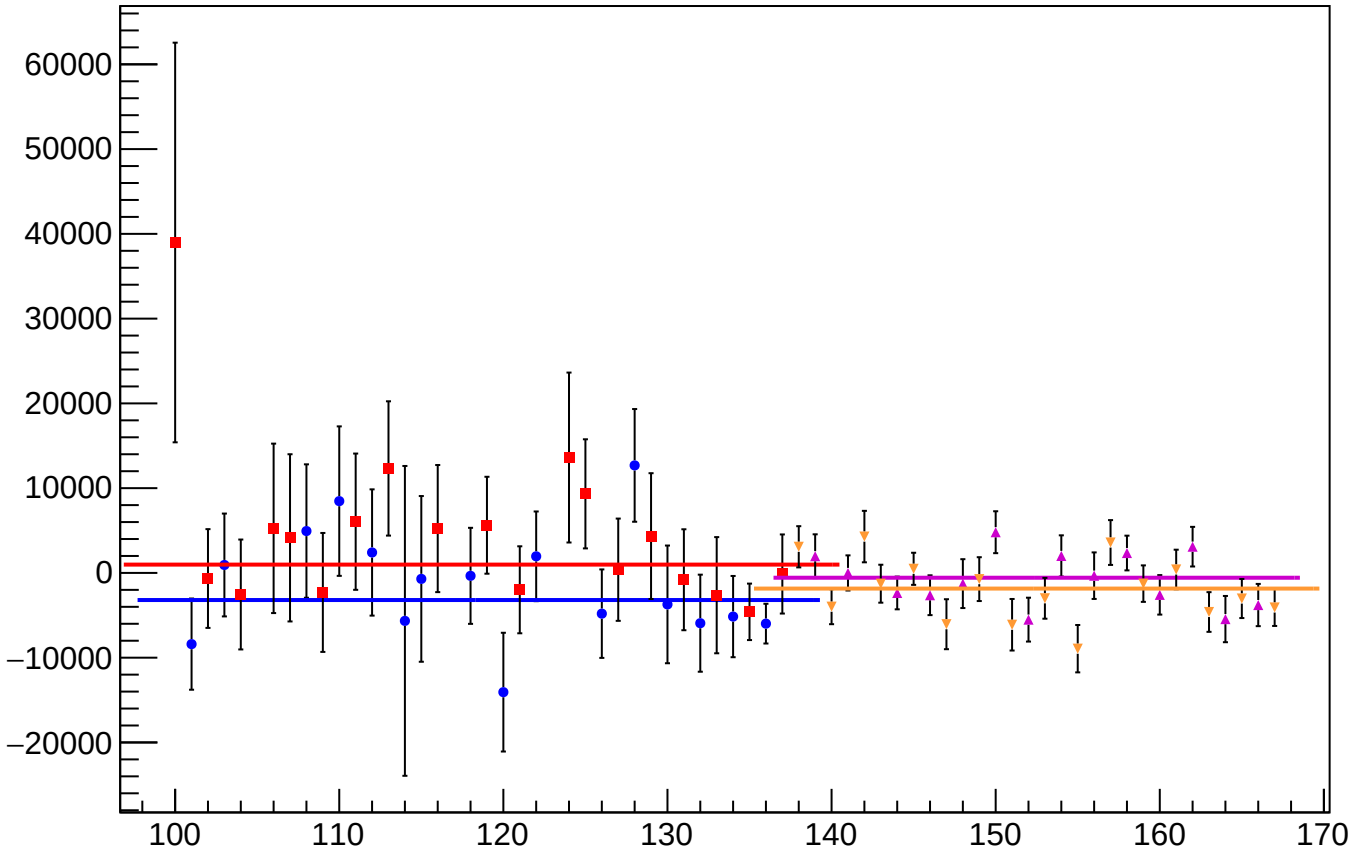
Left: 265.601+/-0.038 χ^2/NDF: 378293.5/29

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 281.035+/-0.047 χ^2/NDF:984942.2/29

Out: 279.733+/-0.045 χ^2/NDF:1198763.7/34

All: 280.360+/-0.032 χ^2/NDF: 2184111.9/64



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1846.227+/-598.959 χ^2/NDF:29.6/15

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -567.939+/-636.488 χ^2/NDF:22.3/13

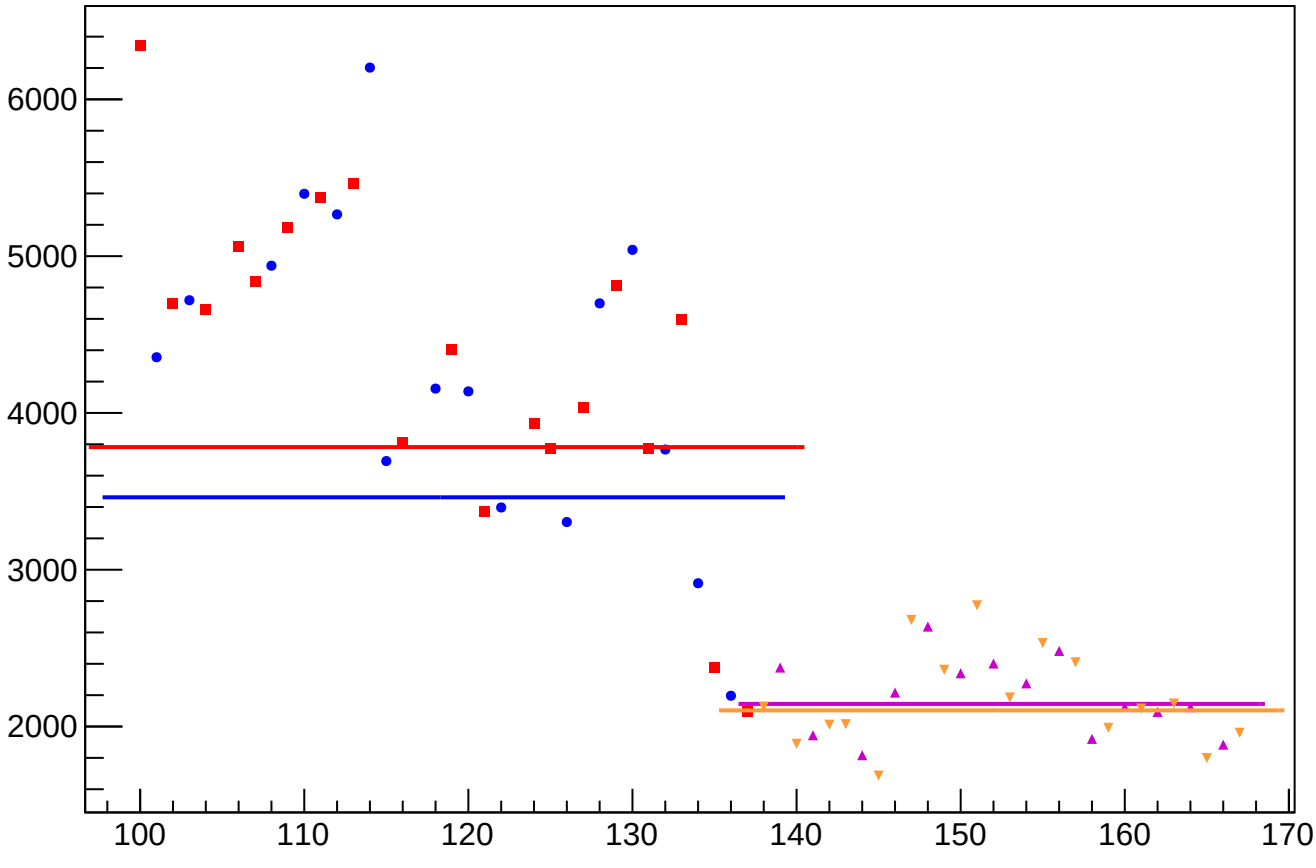
Left: -1245.878+/-436.192 χ^2/NDF: 54.1/29

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1044.161+/-576.005 χ^2/NDF:41.5/29

Out: -1431.832+/-553.324 χ^2/NDF:46.9/34

All: -1245.779+/-399.036 χ^2/NDF: 88.6/64


asym_sam2_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
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120
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140
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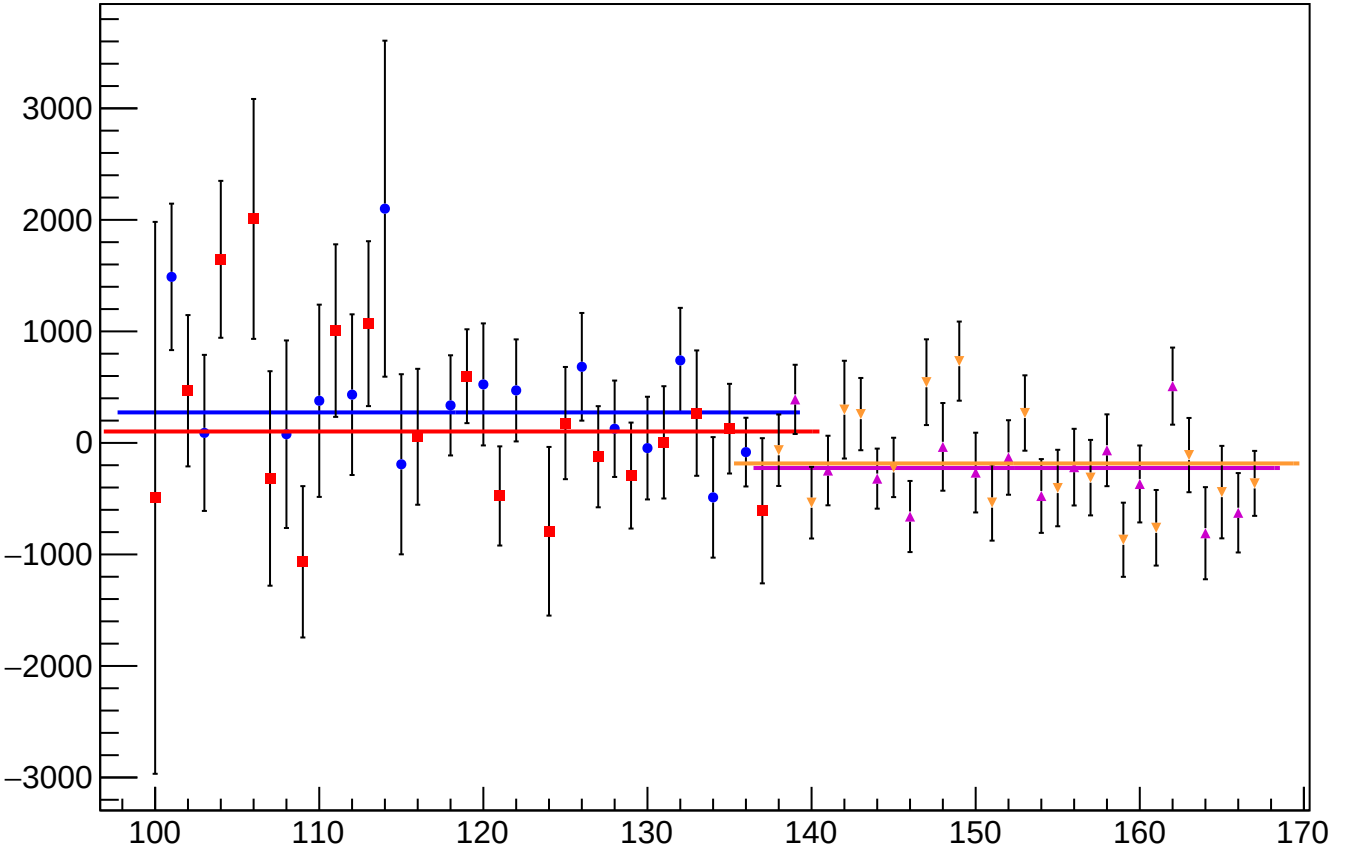
160
170
Right In: 3461.932+/-0.957 χ²/NDF: 1309596.2/15
Left Out: 2103.006+/-0.424 χ²/NDF:442401.5/15
Right Out: 3782.176+/-1.022 χ²/NDF: 1136342.8/18
Left In: 2144.199+/-0.450 χ²/NDF:267710.2/13
Left: 2122.353+/-0.308 χ²/NDF: 714554.5/29
Right: 3611.602+/-0.699 χ²/NDF: 2498242.4/34
In: 2382.738+/-0.407 χ²/NDF:3129110.5/29
Out: 2349.133+/-0.391 χ²/NDF:3882779.3/34
All: 2365.261+/-0.282 χ²/NDF: 7015430.4/64

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -184.065+/-83.939 χ^2/NDF:26.1/15

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -225.189+/-89.337 χ^2/NDF:15.0/13

Left: -203.348+/-61.173 χ^2/NDF: 41.2/29

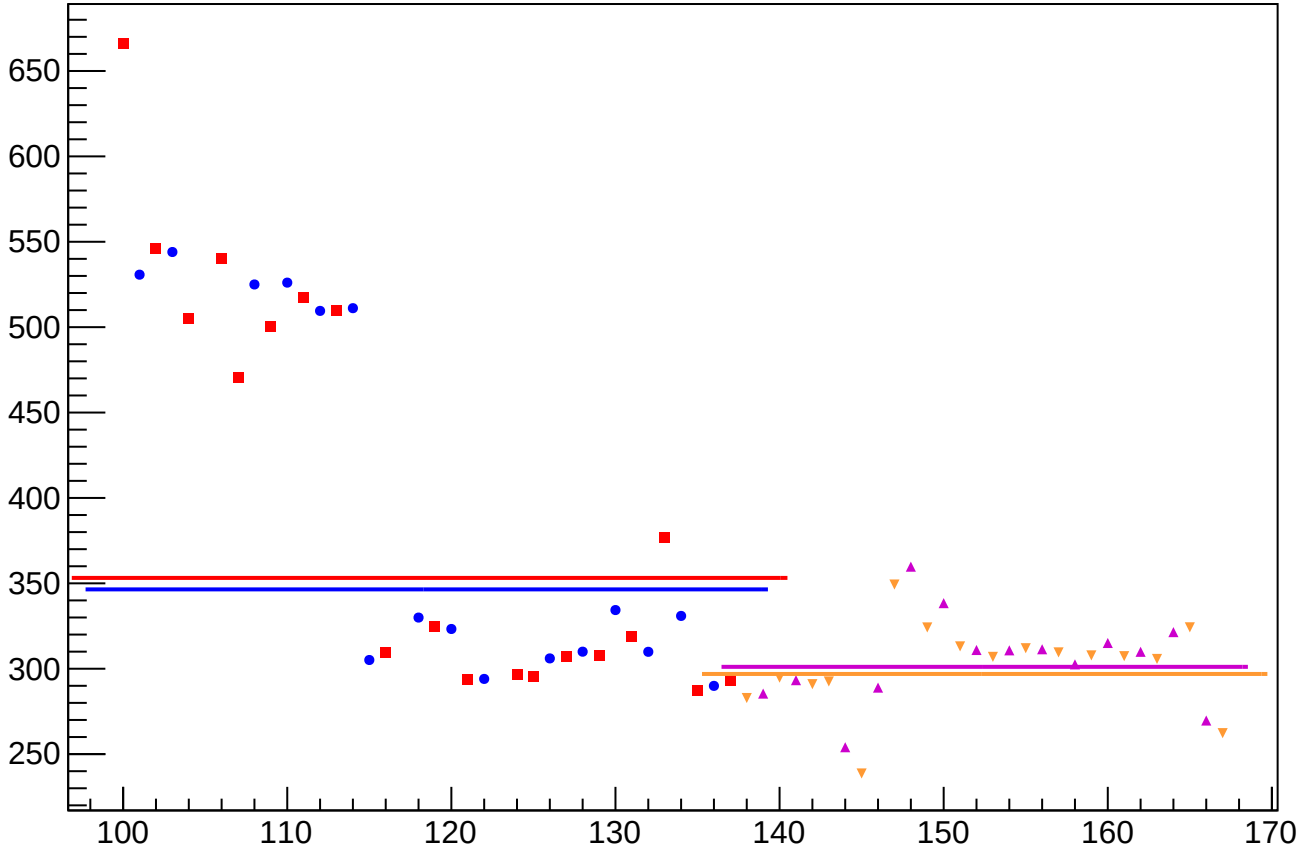
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -69.372+/-74.079 χ^2/NDF:36.2/29

Out: -103.003+/-71.076 χ^2/NDF:50.7/34

All: -86.883+/-51.287 χ^2/NDF: 87.0/64

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 296.936+/-0.059 χ^2/NDF:204730.4/15

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 301.104+/-0.063 χ^2/NDF:166962.9/13

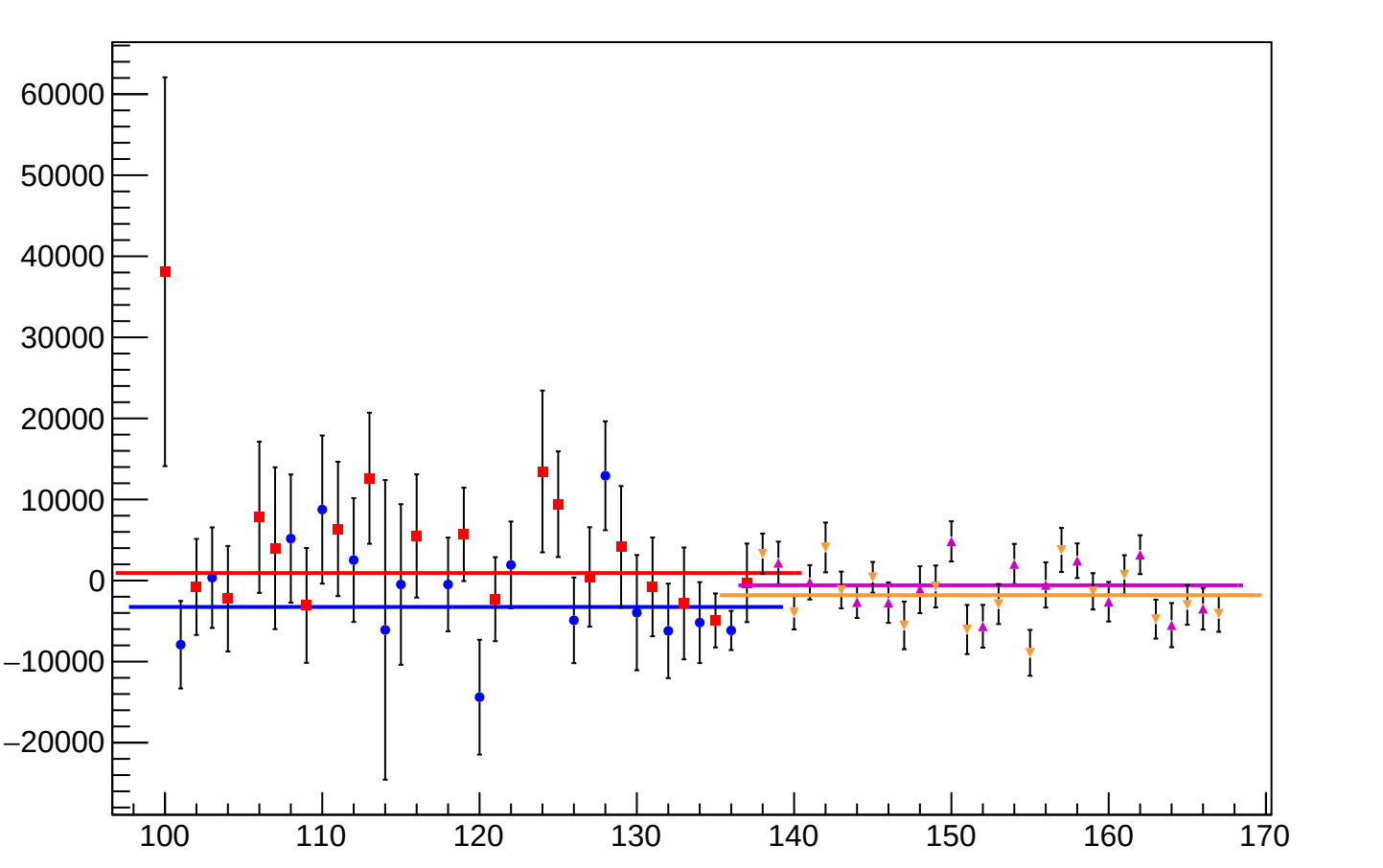
Left: 298.890+/-0.043 χ^2/NDF: 374005.4/29

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 315.272+/-0.052 χ^2/NDF:1096738.2/29

Out: 312.853+/-0.050 χ^2/NDF:1325197.1/34

All: 314.012+/-0.036 χ^2/NDF: 2423045.7/64



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1806.783+/-610.893 χ^2/NDF:28.7/15

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -585.455+/-651.734 χ^2/NDF:22.3/13

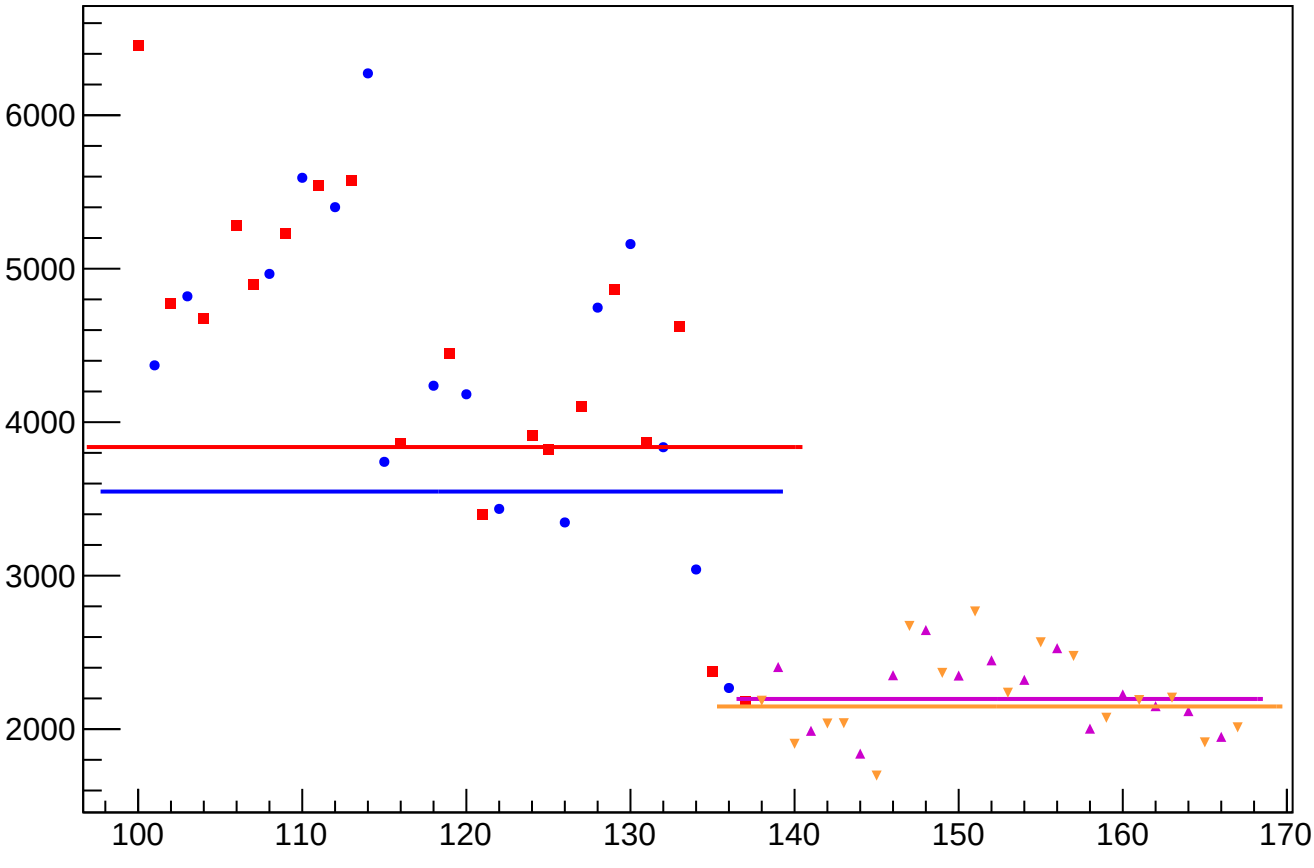
Left: -1235.584+/-445.706 χ^2/NDF: 52.9/29

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1070.604+/-589.640 χ^2/NDF:41.4/29

Out: -1400.684+/-563.591 χ^2/NDF:46.3/34

All: -1243.096+/-407.417 χ^2/NDF: 87.9/64



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2147.610+/-0.432 χ^2/NDF:414078.5/15

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2196.562+/-0.461 χ^2/NDF:250598.3/13

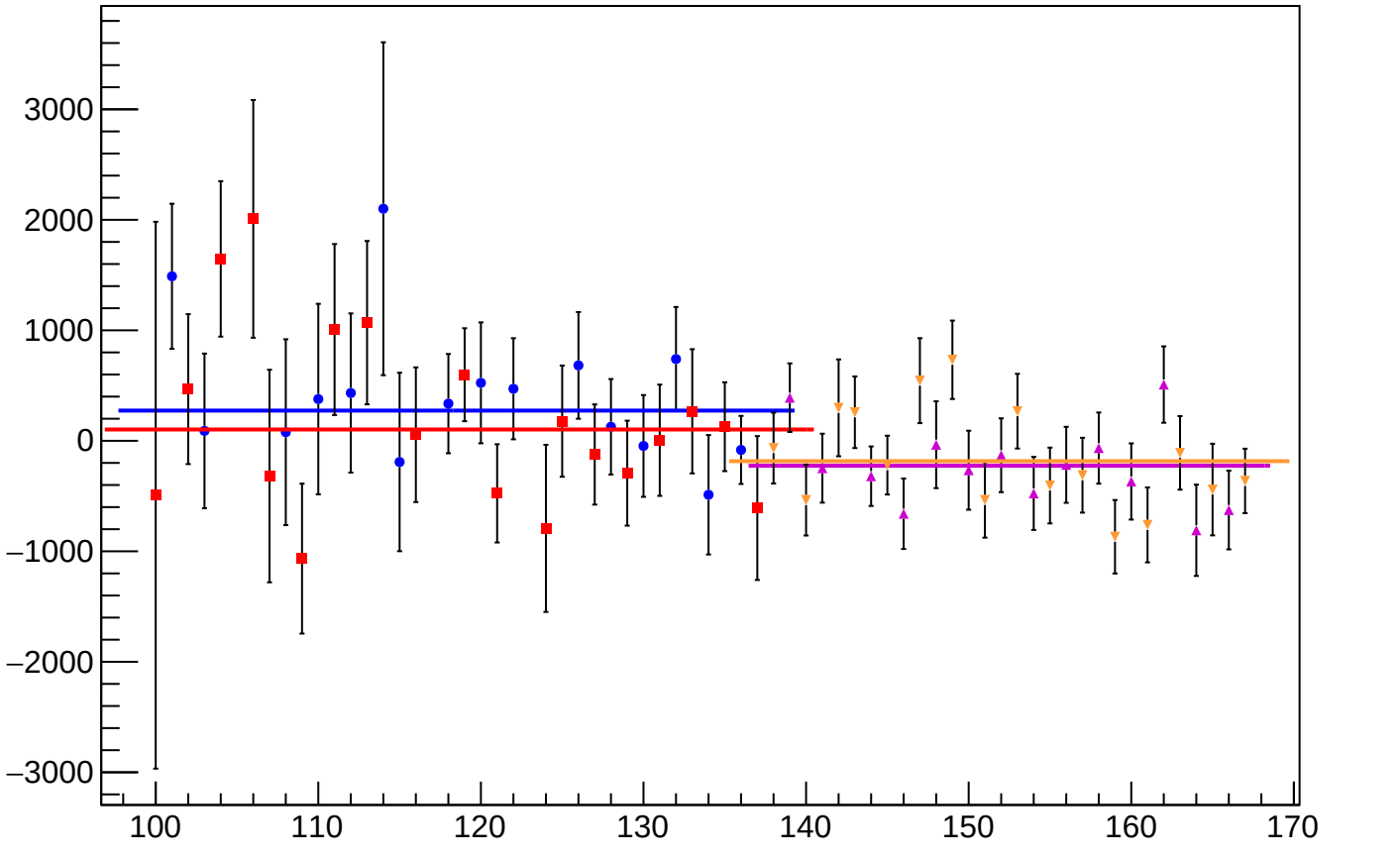
Left: 2170.504+/-0.315 χ^2/NDF: 670682.9/29

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2441.807+/-0.417 χ^2/NDF:3069627.6/29

Out: 2399.244+/-0.399 χ^2/NDF:3849459.5/34

All: 2419.564+/-0.288 χ^2/NDF: 6924533.0/64



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -184.067+/-83.939 χ^2/NDF:26.1/15

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -225.194+/-89.337 χ^2/NDF:15.0/13

Left: -203.351+/-61.173 χ^2/NDF: 41.2/29

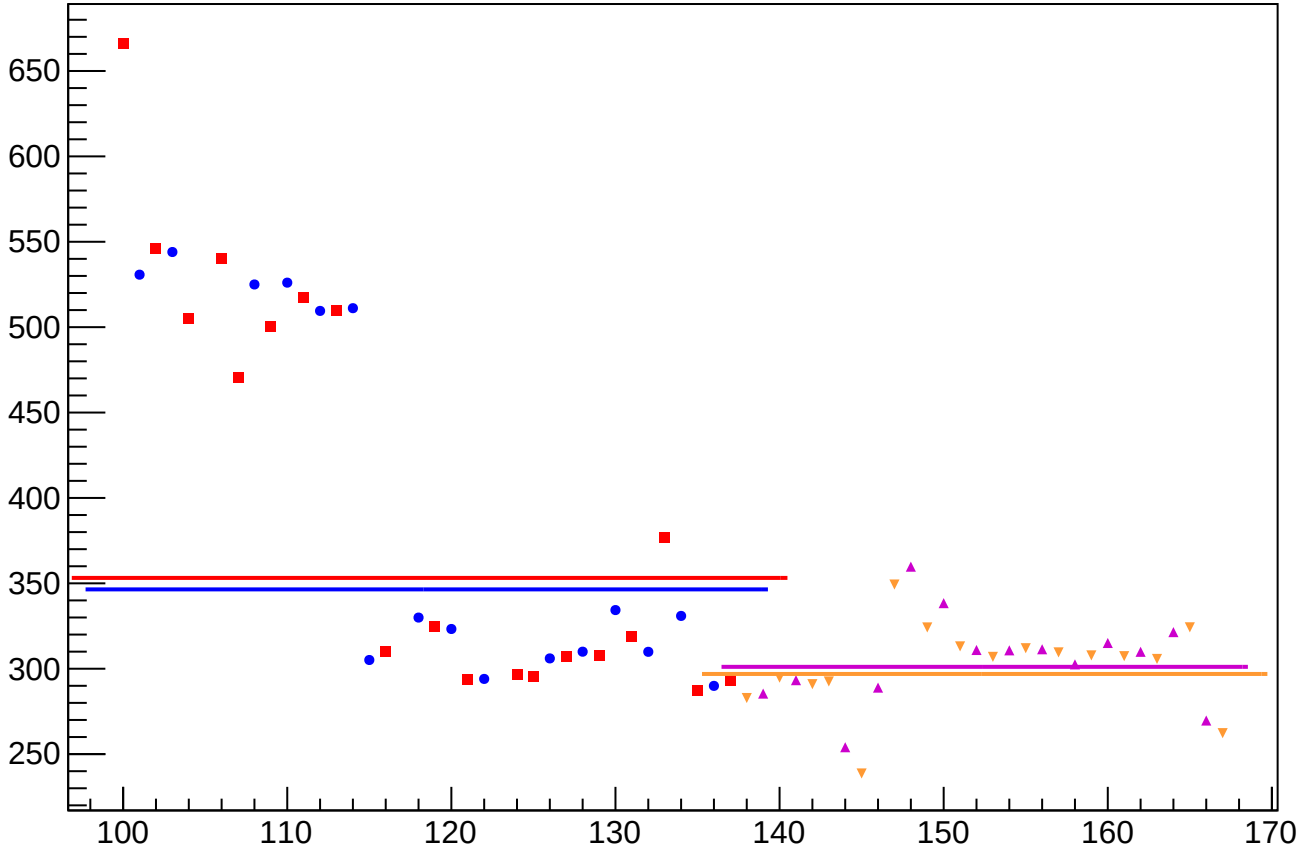
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -69.373+/-74.079 χ^2/NDF:36.2/29

Out: -103.004+/-71.076 χ^2/NDF:50.7/34

All: -86.884+/-51.287 χ^2/NDF: 87.0/64

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 296.936+/-0.059 χ^2/NDF:204735.6/15

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 301.104+/-0.063 χ^2/NDF:166966.0/13

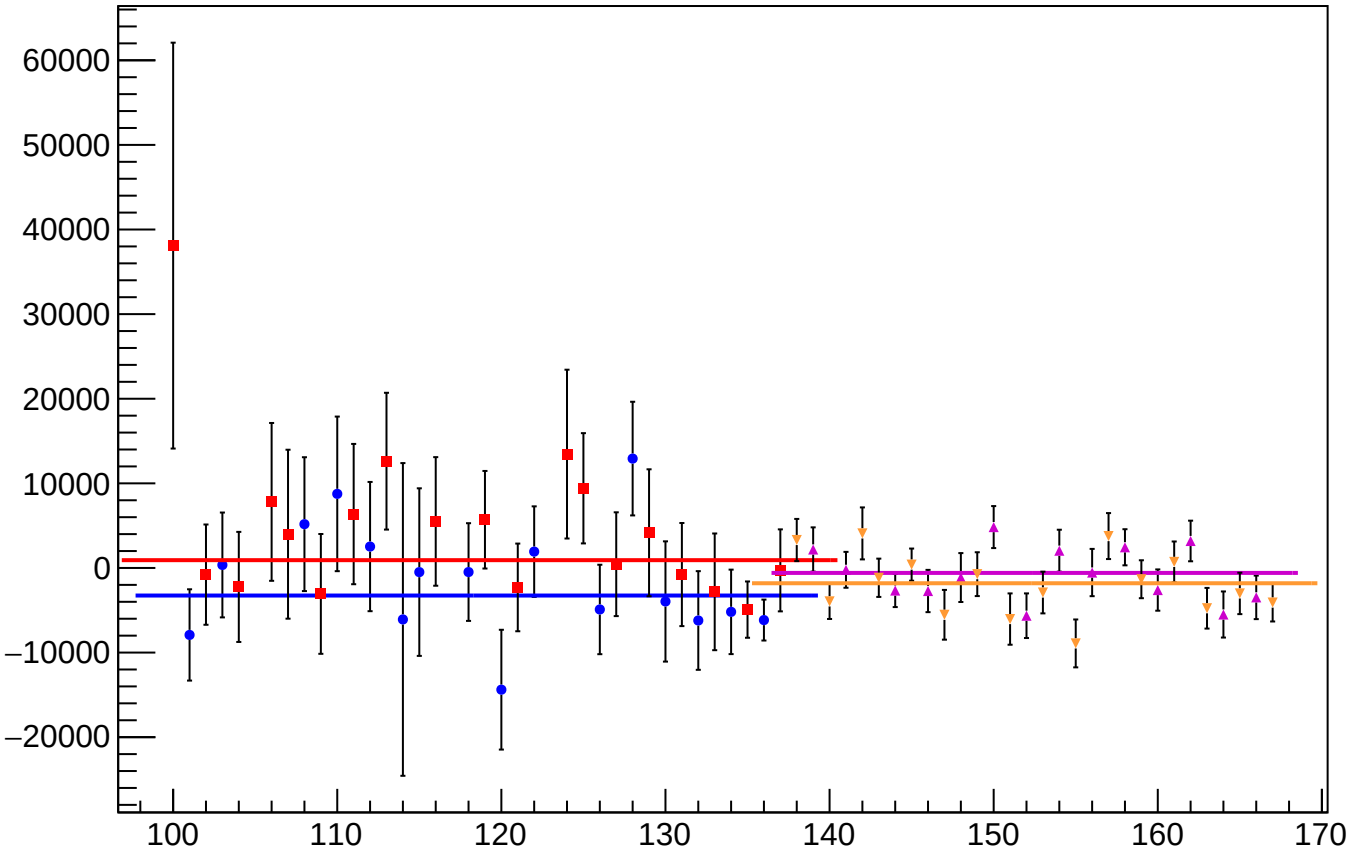
Left: 298.890+/-0.043 χ^2/NDF: 374013.5/29

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 315.271+/-0.052 χ^2/NDF:1096720.1/29

Out: 312.853+/-0.050 χ^2/NDF:1325181.1/34

All: 314.012+/-0.036 χ^2/NDF: 2423011.5/64



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1806.781+/-610.893 χ^2/NDF:28.7/15

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -585.455+/-651.734 χ^2/NDF:22.3/13

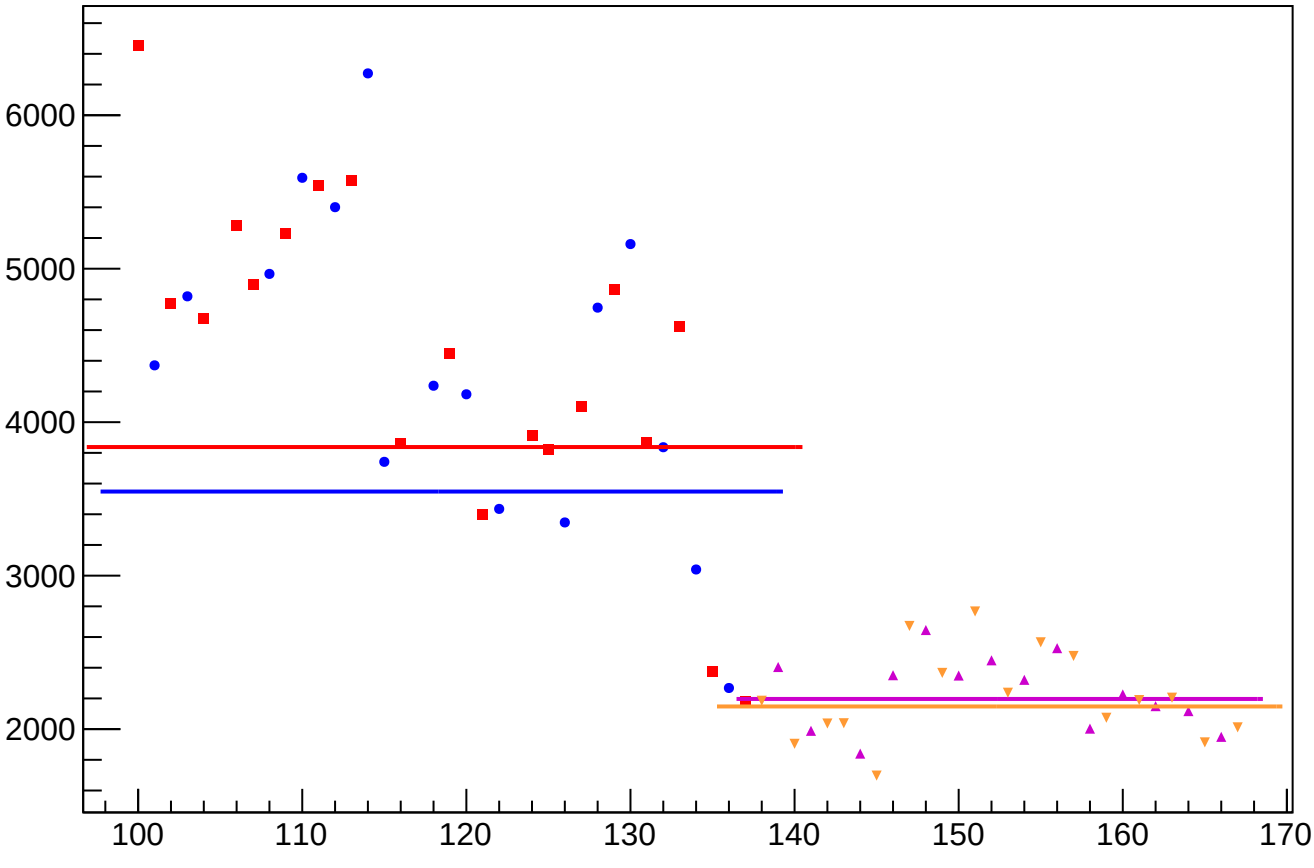
Left: -1235.582+/-445.706 χ^2/NDF: 52.9/29

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -1070.603+/-589.640 χ^2/NDF:41.4/29

Out: -1400.681+/-563.591 χ^2/NDF:46.3/34

All: -1243.094+/-407.417 χ^2/NDF: 87.9/64



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2147.609+/-0.432 χ^2/NDF:414084.9/15

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2196.561+/-0.461 χ^2/NDF:250599.8/13

Left: 2170.503+/-0.315 χ^2/NDF: 670690.9/29

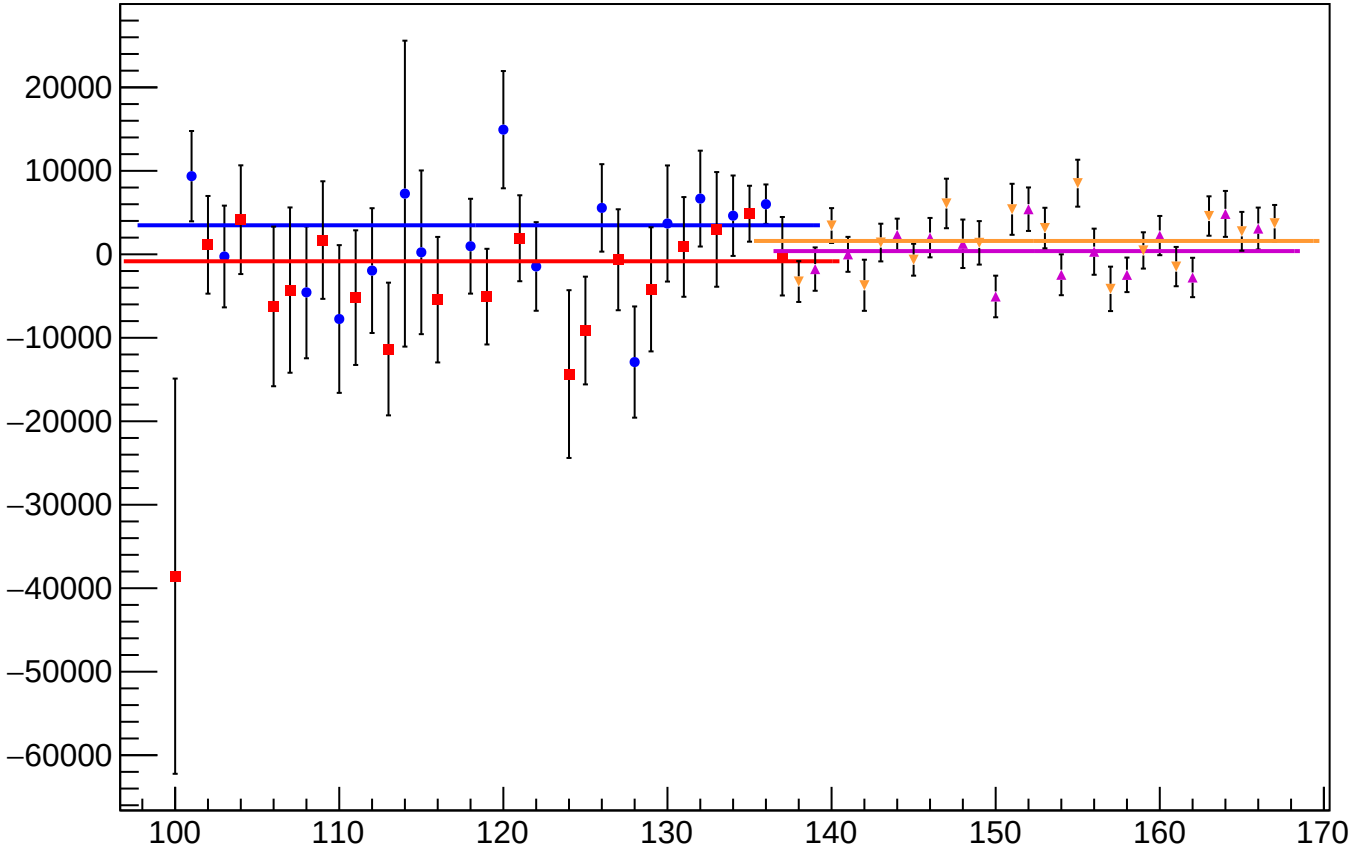
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2441.806+/-0.417 χ^2/NDF:3069612.3/29

Out: 2399.243+/-0.399 χ^2/NDF:3849451.6/34

All: 2419.564+/-0.288 χ^2/NDF: 6924509.8/64

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1600.586+/-603.826 χ^2/NDF:28.8/15

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 386.591+/-641.619 χ^2/NDF:20.2/13

Left: 1030.393+/-439.724 χ^2/NDF: 50.9/29

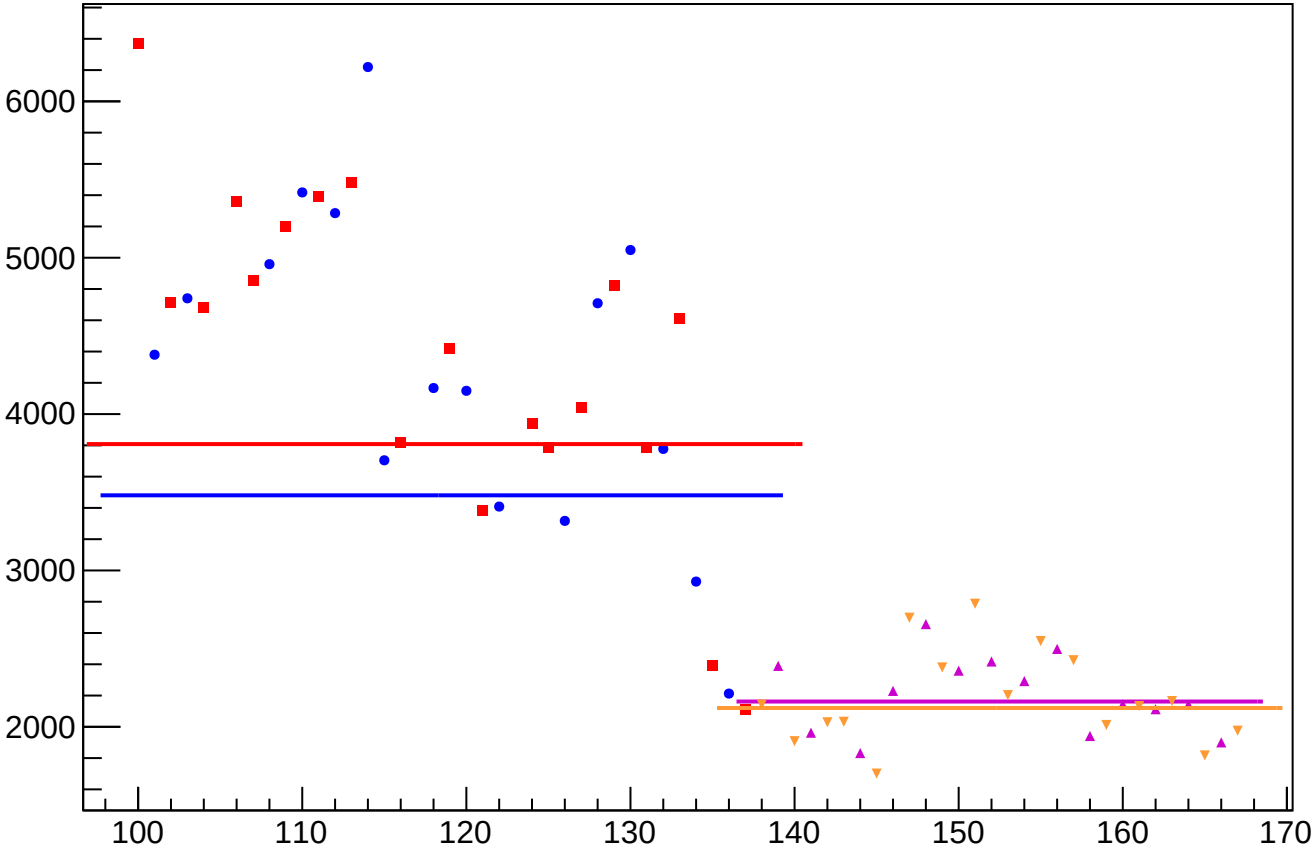
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 949.222+/-580.310 χ^2/NDF:40.7/29

Out: 1240.847+/-557.404 χ^2/NDF:45.3/34

All: 1100.904+/-401.998 χ^2/NDF: 86.1/64

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2120.514+/-0.427 χ^2/NDF:436449.3/15

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2161.806+/-0.454 χ^2/NDF:263317.0/13

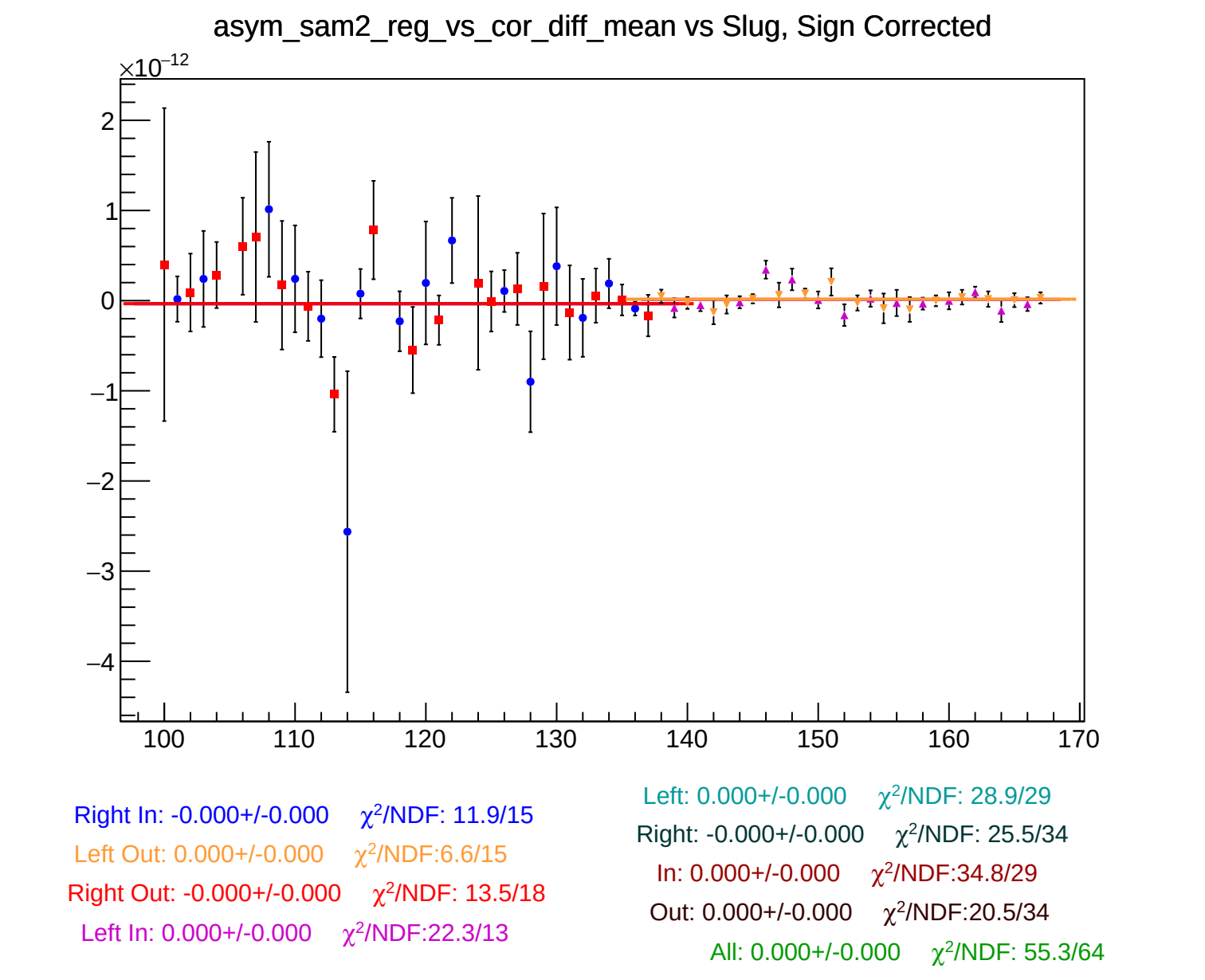
Left: 2139.908+/-0.311 χ^2/NDF: 704159.2/29

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2401.788+/-0.410 χ^2/NDF:3097468.1/29

Out: 2370.028+/-0.394 χ^2/NDF:3893842.5/34

All: 2385.269+/-0.284 χ^2/NDF: 6994426.5/64


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
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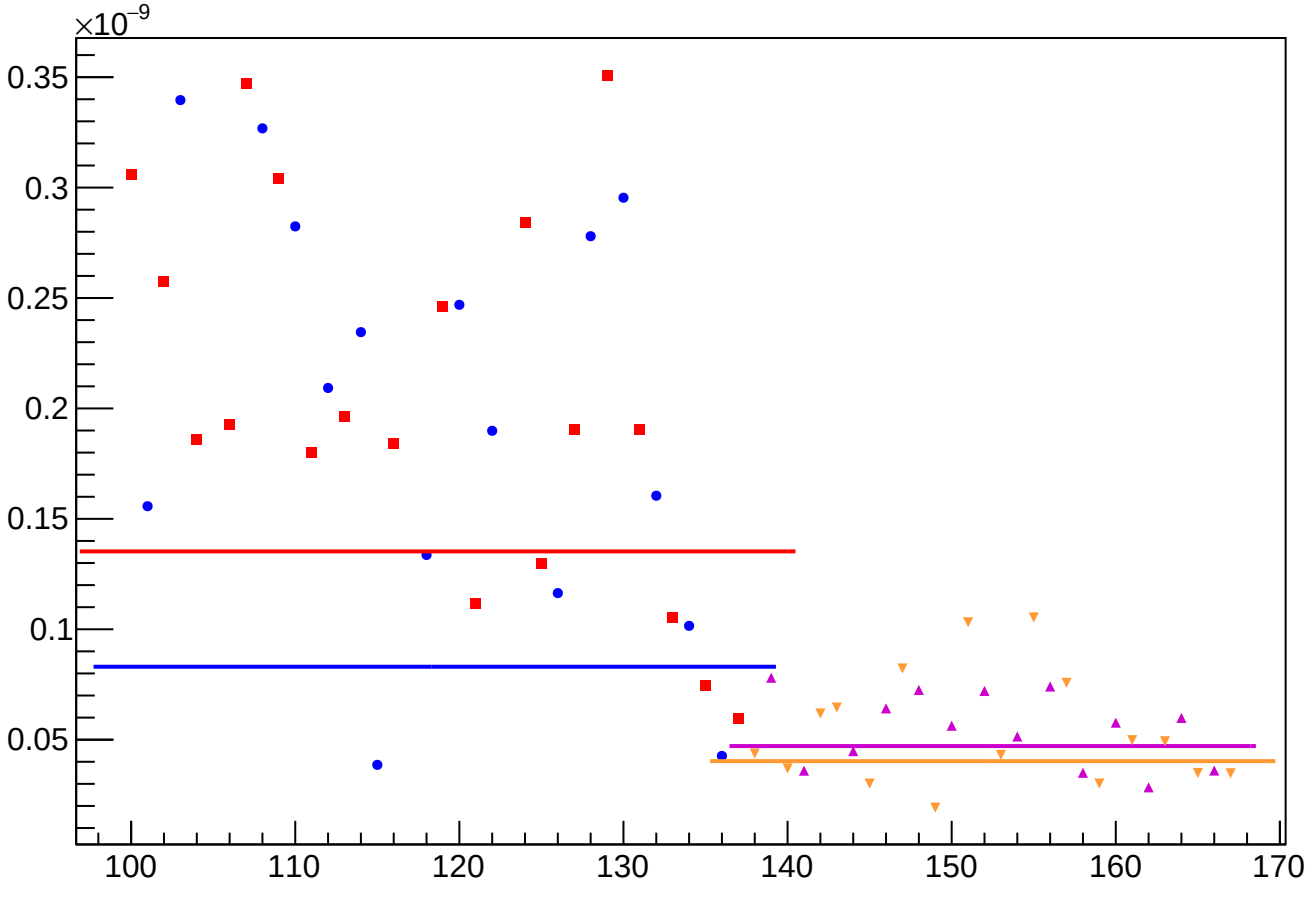
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/15
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:22.3/13
Left: 0.000+/-0.000 χ²/NDF: 28.9/29
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:34.8/29
Out: 0.000+/-0.000 χ²/NDF:20.5/34
All: 0.000+/-0.000 χ²/NDF: 55.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1656948.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:897979.1/13

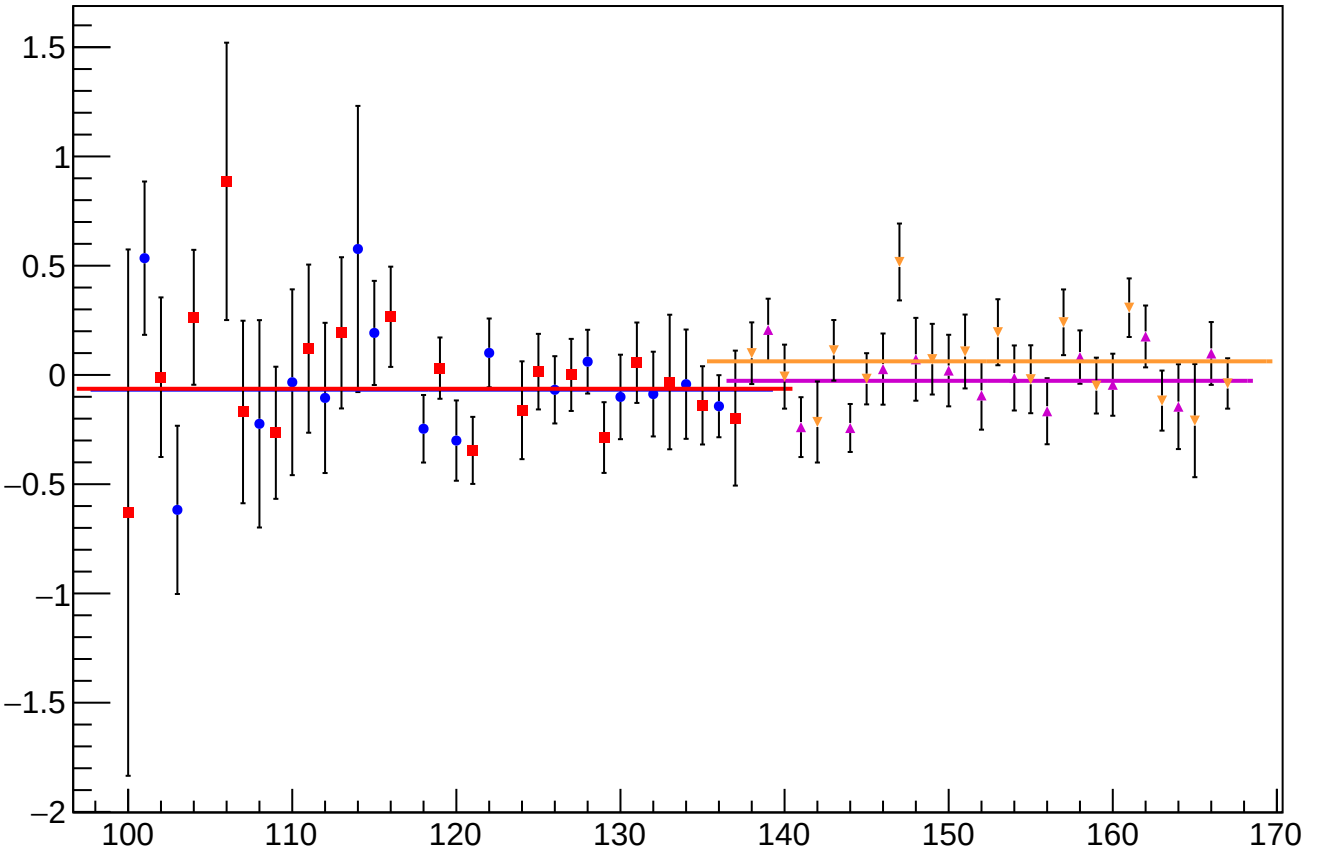
Left: 0.000+/-0.000 χ^2/NDF: 2657112.1/29

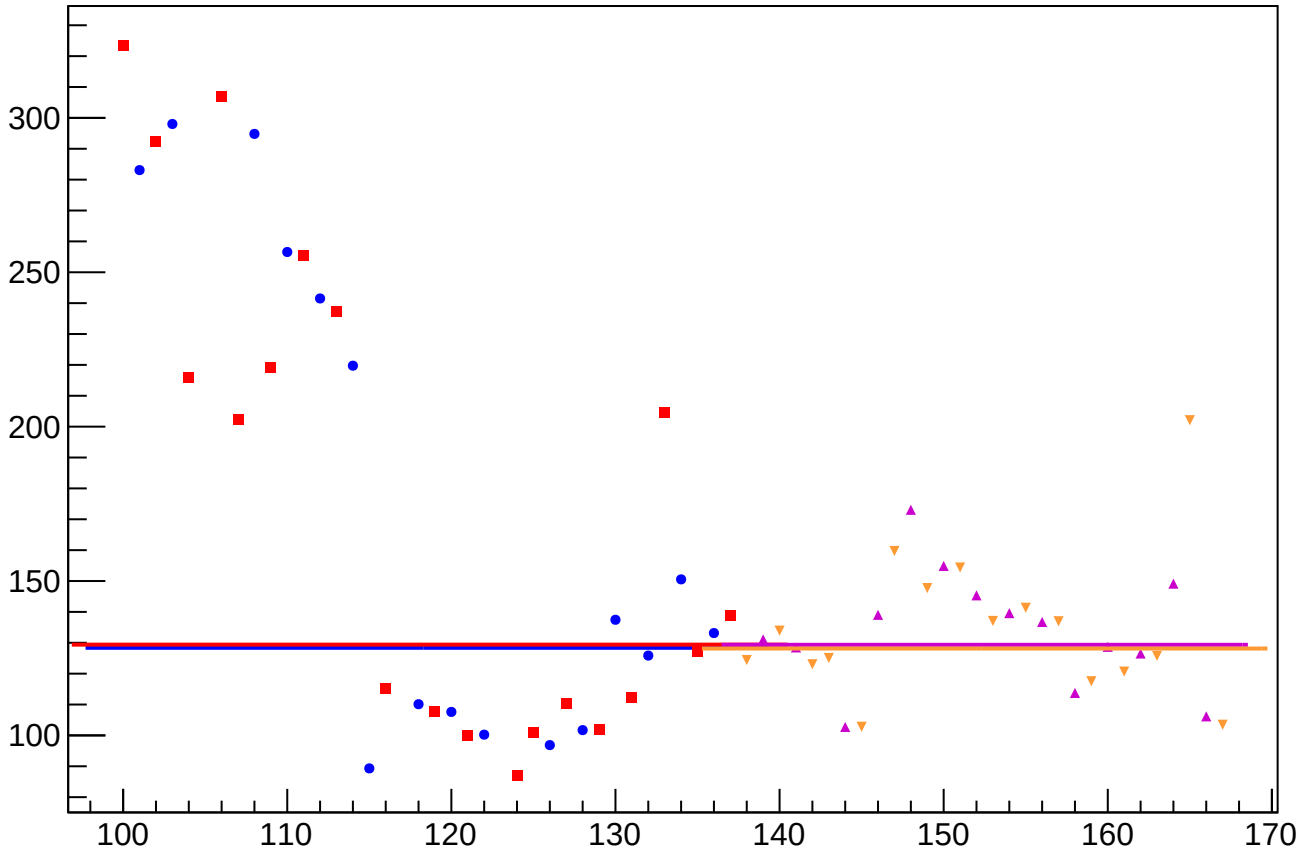
Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4214958.8/29

Out: 0.000+/-0.000 χ^2/NDF:5437004.3/34

All: 0.000+/-0.000 χ^2/NDF: 9753757.9/64


asym_sam2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -0.067+/-0.052 χ²/NDF: 12.5/15
Left Out: 0.062+/-0.037 χ²/NDF:20.0/15
Right Out: -0.063+/-0.052 χ²/NDF: 14.0/18
Left In: -0.027+/-0.039 χ²/NDF:14.4/13
Left: 0.020+/-0.027 χ²/NDF: 37.2/29
Right: -0.065+/-0.037 χ²/NDF: 26.5/34
In: -0.041+/-0.031 χ²/NDF:27.3/29
Out: 0.020+/-0.030 χ²/NDF:38.0/34
All: -0.009+/-0.022 χ²/NDF: 67.3/64



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 128.142+/-0.026 χ^2/NDF:546267.5/15

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 129.339+/-0.028 χ^2/NDF:421331.9/13

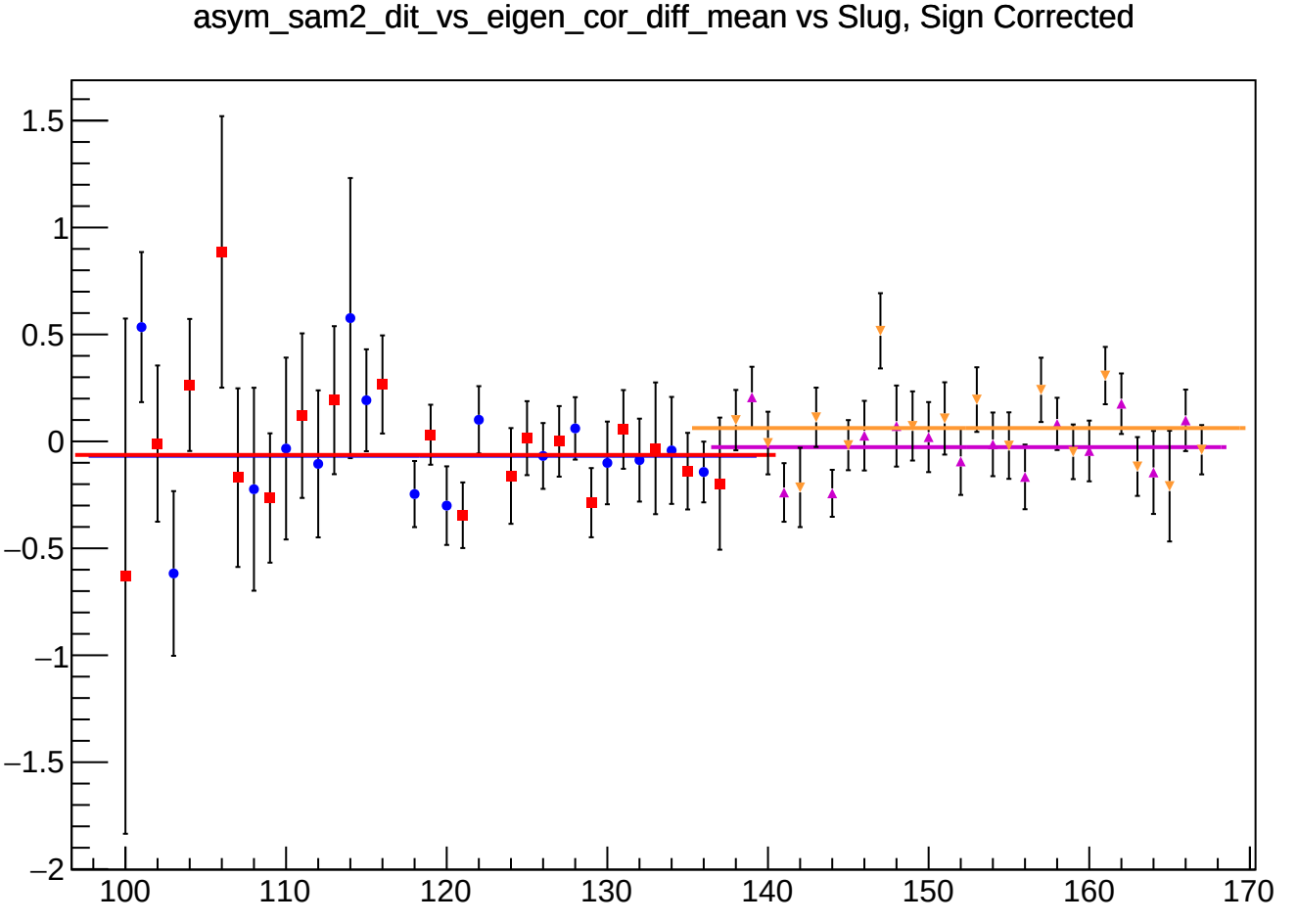
Left: 128.704+/-0.019 χ^2/NDF: 968602.0/29

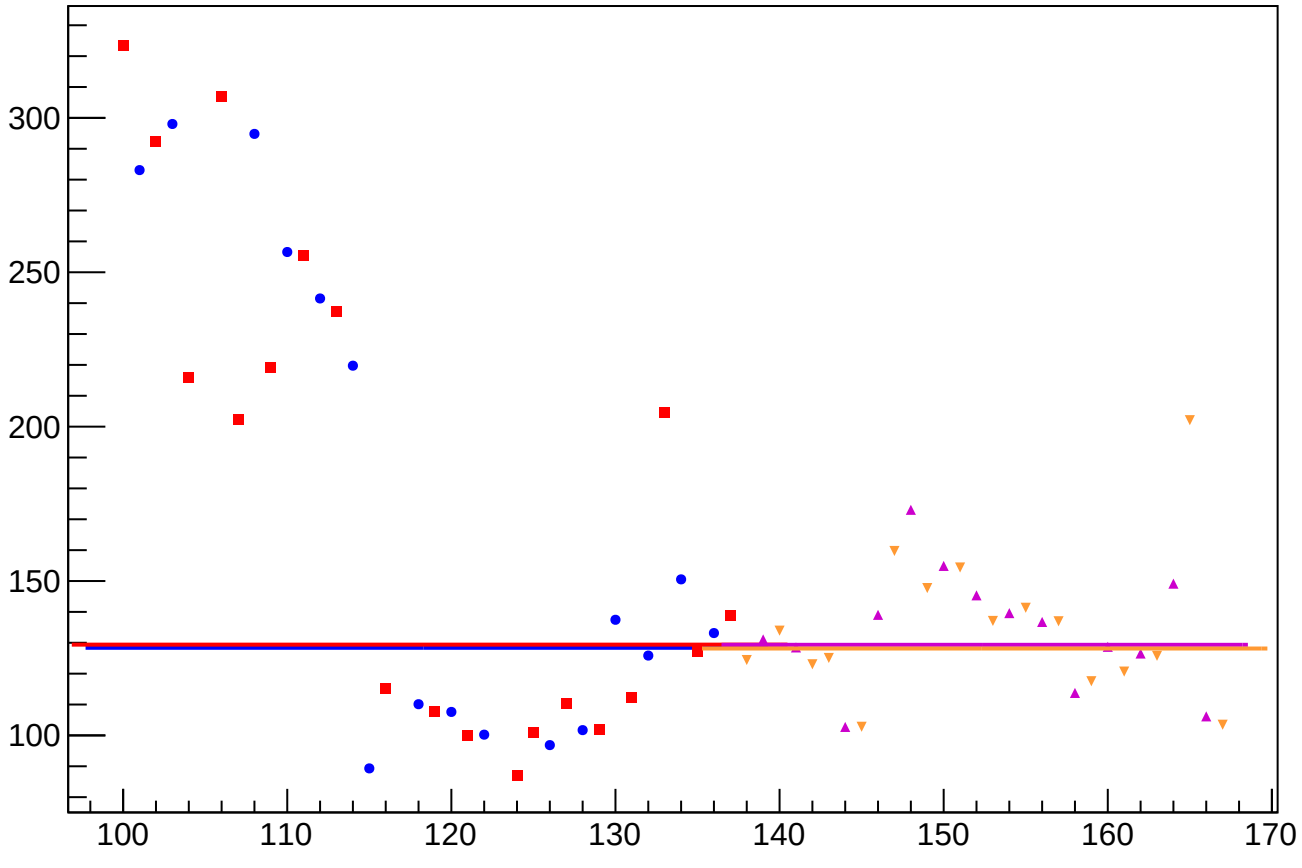
Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.992+/-0.022 χ^2/NDF:2226848.9/29

Out: 128.563+/-0.021 χ^2/NDF:2435327.9/34

All: 128.769+/-0.015 χ^2/NDF: 4662375.1/64


asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -0.067+/-0.052 χ²/NDF: 12.5/15
Left Out: 0.062+/-0.037 χ²/NDF:20.0/15
Right Out: -0.063+/-0.052 χ²/NDF: 14.0/18
Left In: -0.027+/-0.039 χ²/NDF:14.4/13
Left: 0.020+/-0.027 χ²/NDF: 37.2/29
Right: -0.065+/-0.037 χ²/NDF: 26.5/34
In: -0.041+/-0.031 χ²/NDF:27.3/29
Out: 0.020+/-0.030 χ²/NDF:38.0/34
All: -0.009+/-0.022 χ²/NDF: 67.3/64



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 128.142+/-0.026 χ^2/NDF:546267.5/15

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 129.339+/-0.028 χ^2/NDF:421331.9/13

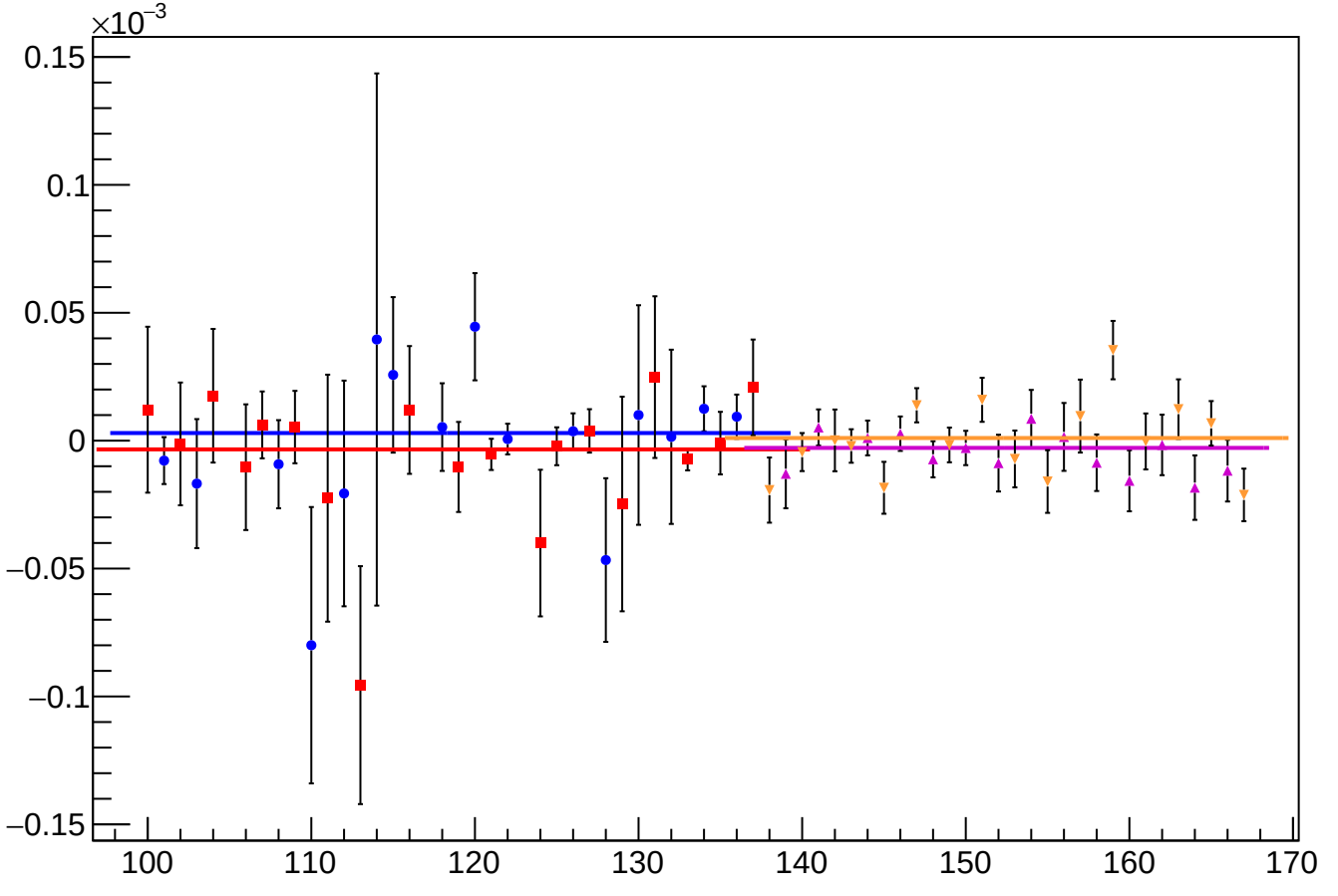
Left: 128.704+/-0.019 χ^2/NDF: 968602.0/29

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.992+/-0.022 χ^2/NDF:2226848.9/29

Out: 128.563+/-0.021 χ^2/NDF:2435327.9/34

All: 128.769+/-0.015 χ^2/NDF: 4662375.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/13

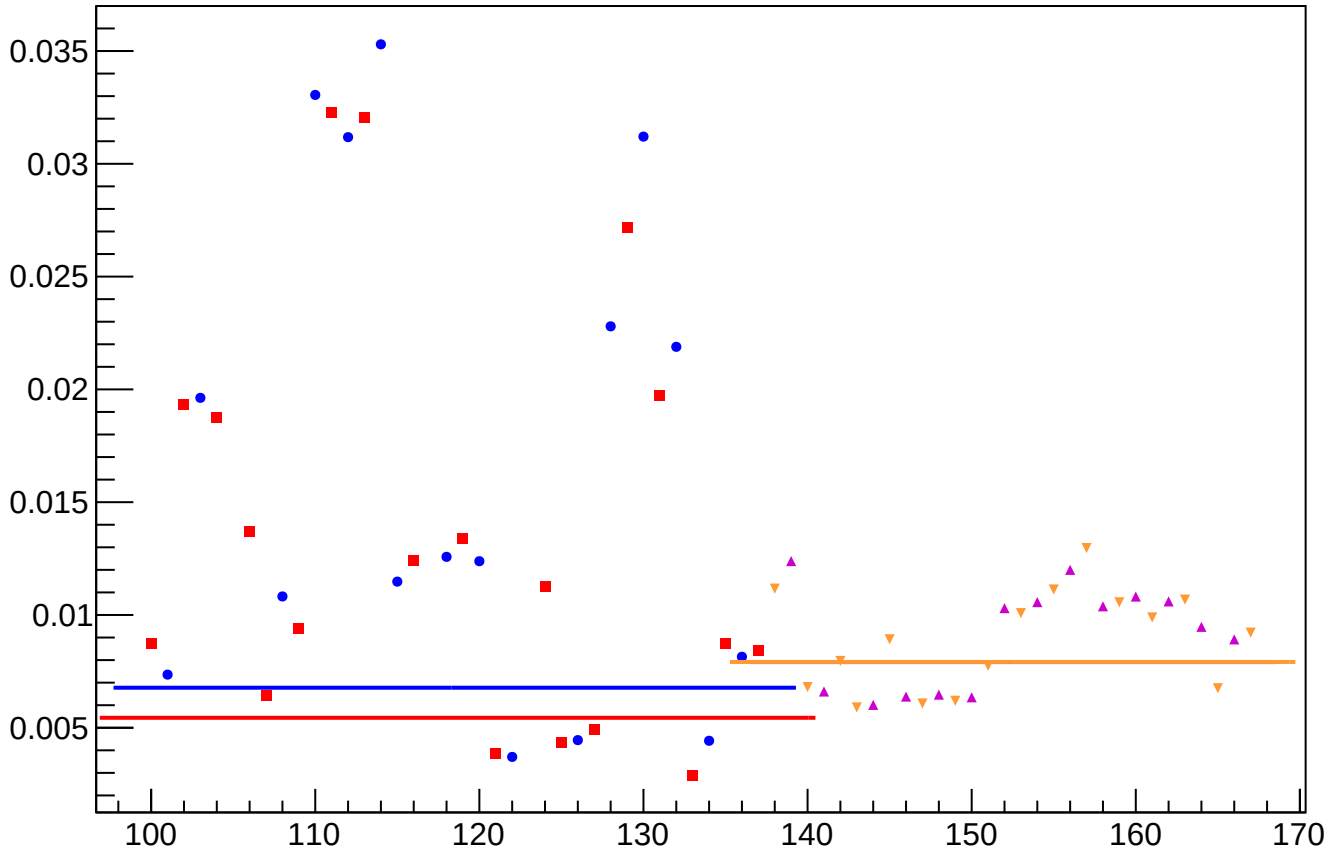
Left: -0.000+/-0.000 χ^2/NDF: 41.3/29

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:24.4/29

Out: -0.000+/-0.000 χ^2/NDF:46.0/34

All: -0.000+/-0.000 χ^2/NDF: 70.5/64



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1482829.6/15

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1501049.6/13

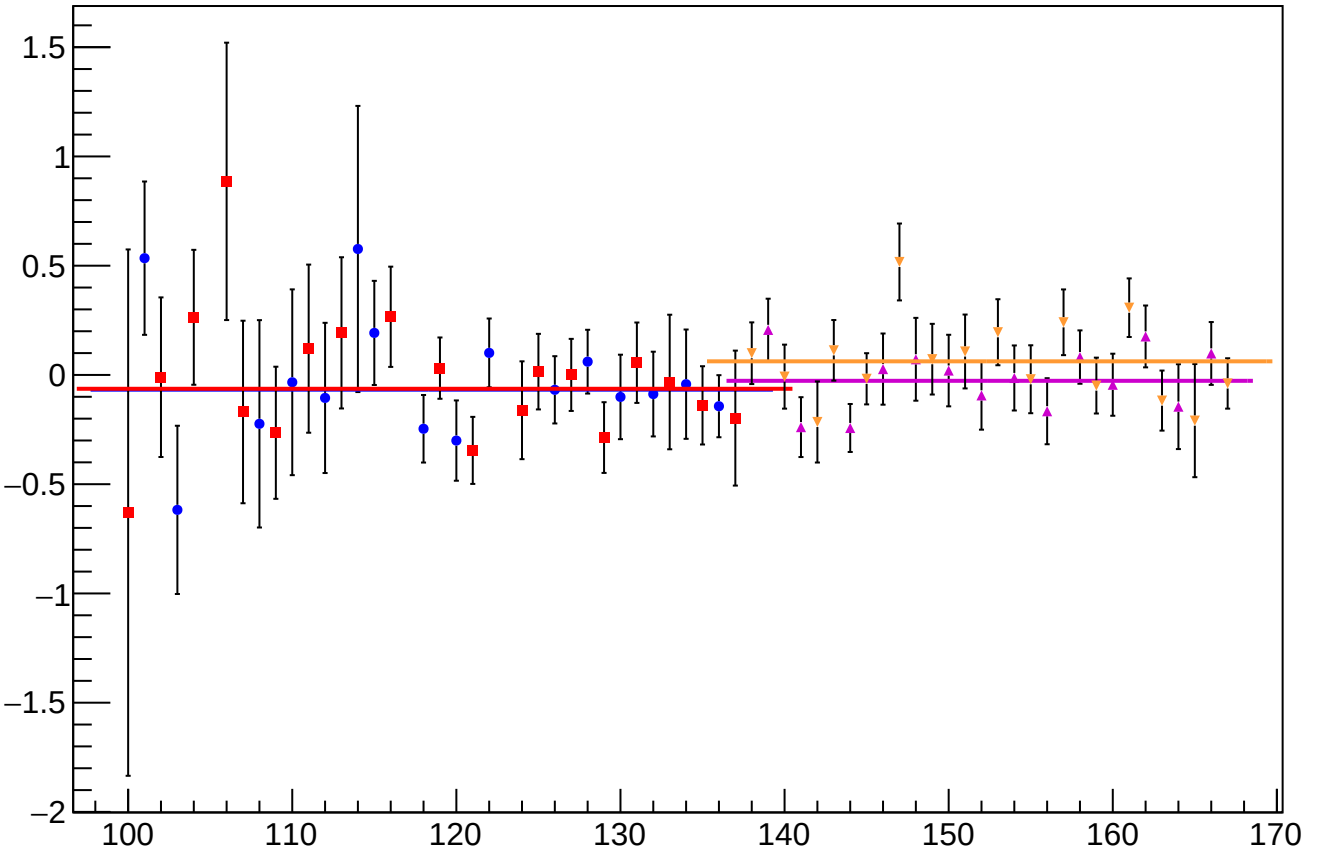
Left: 0.008+/-0.000 χ^2/NDF: 2983883.3/29

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:6437023.8/29

Out: 0.007+/-0.000 χ^2/NDF:8069998.0/34

All: 0.007+/-0.000 χ^2/NDF: 14638421.0/64



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.037 χ^2/NDF:20.0/15

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.027+/-0.039 χ^2/NDF:14.4/13

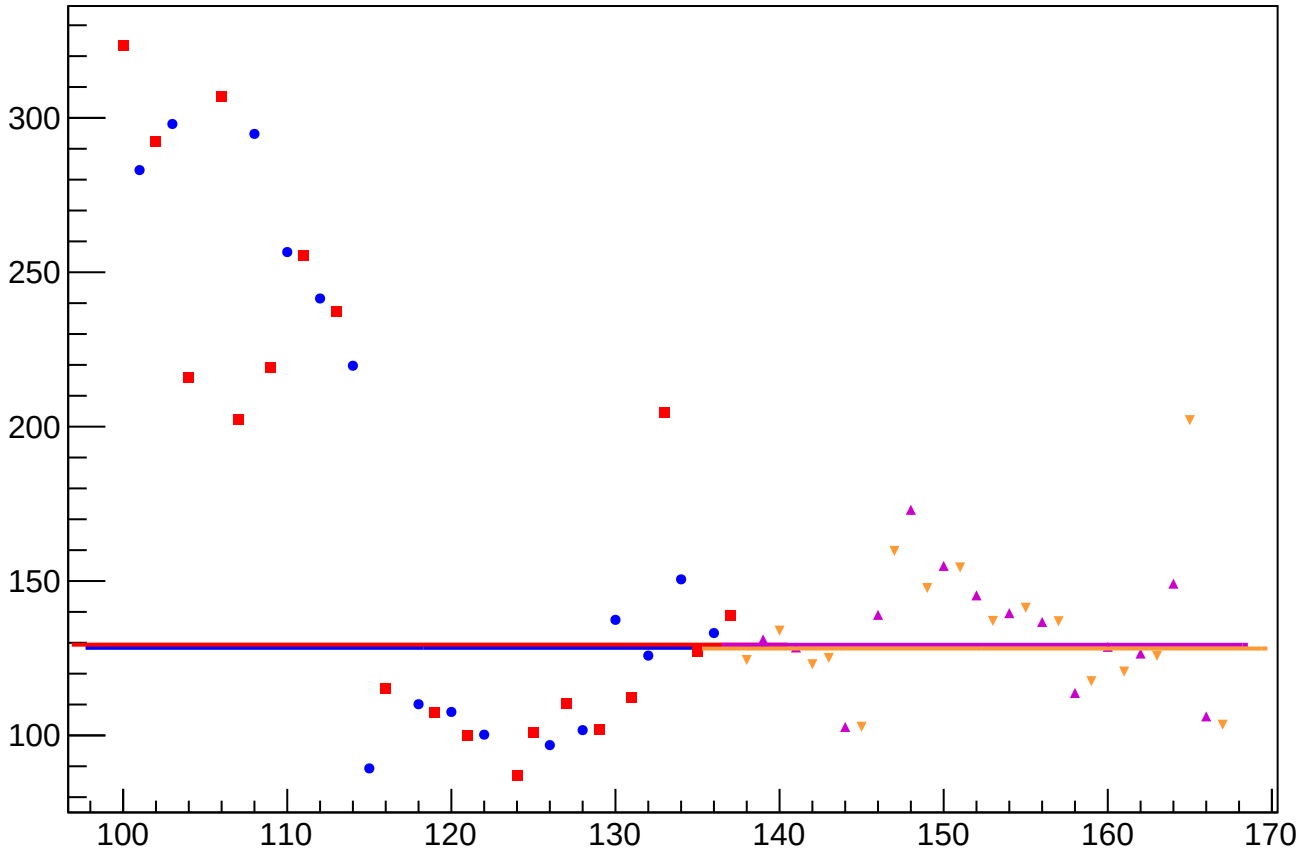
Left: 0.020+/-0.027 χ^2/NDF: 37.2/29

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.041+/-0.031 χ^2/NDF:27.3/29

Out: 0.020+/-0.030 χ^2/NDF:38.0/34

All: -0.009+/-0.022 χ^2/NDF: 67.3/64



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 128.142+/-0.026 χ^2/NDF:546320.1/15

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 129.339+/-0.028 χ^2/NDF:421369.3/13

Left: 128.703+/-0.019 χ^2/NDF: 968691.8/29

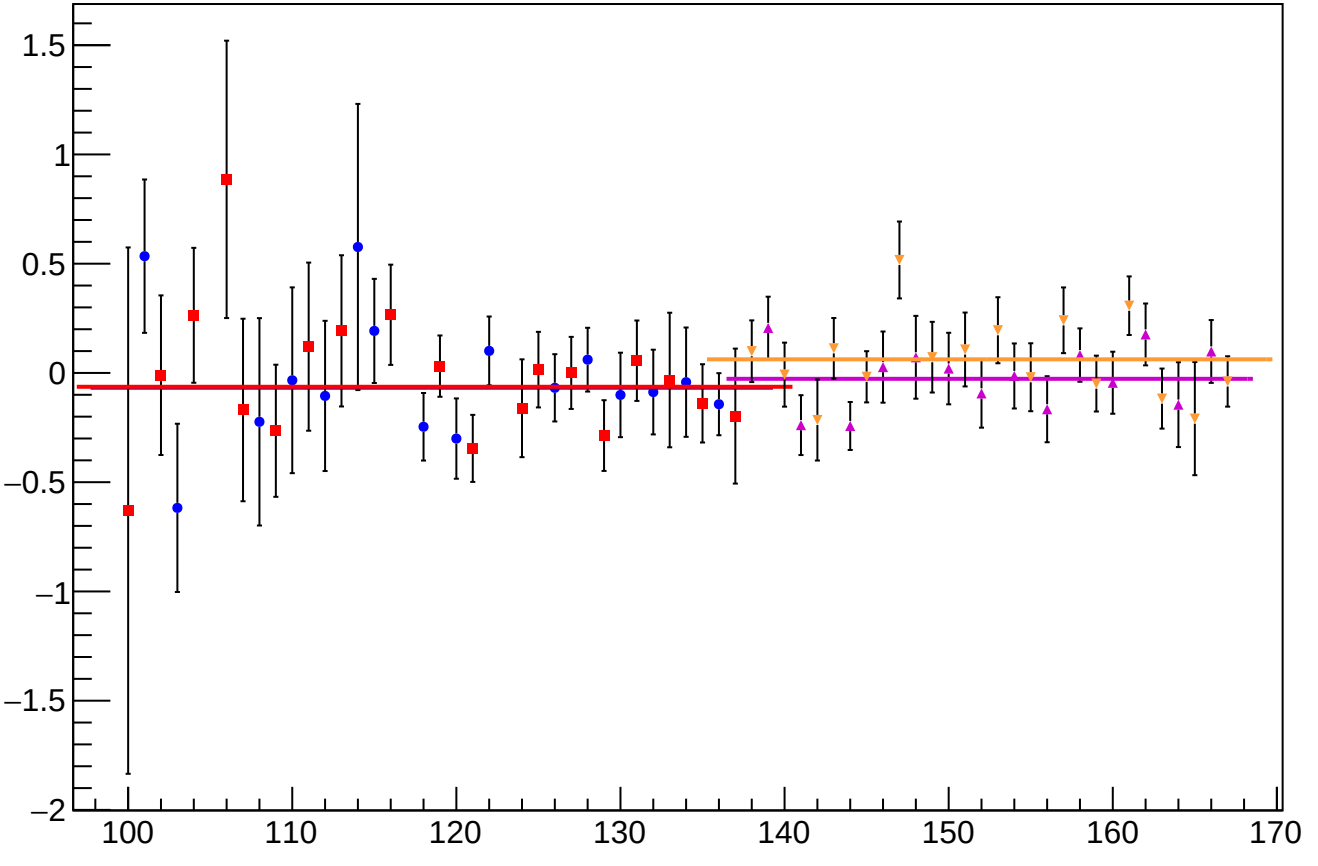
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.991+/-0.022 χ^2/NDF:2226836.8/29

Out: 128.562+/-0.021 χ^2/NDF:2435378.3/34

All: 128.767+/-0.015 χ^2/NDF: 4662413.2/64

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.037 χ^2/NDF:20.0/15

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.027+/-0.039 χ^2/NDF:14.4/13

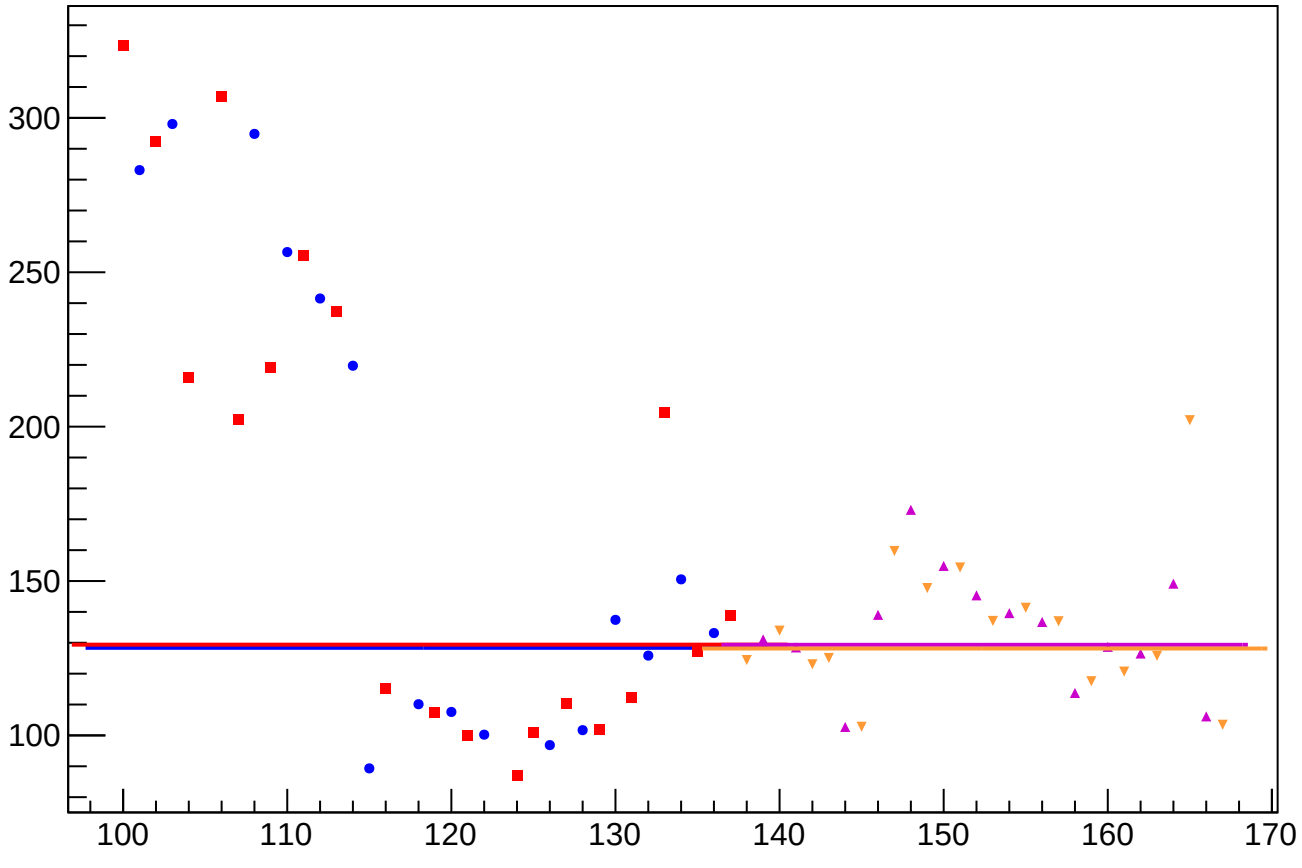
Left: 0.020+/-0.027 χ^2/NDF: 37.2/29

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.041+/-0.031 χ^2/NDF:27.3/29

Out: 0.020+/-0.030 χ^2/NDF:38.0/34

All: -0.009+/-0.022 χ^2/NDF: 67.3/64



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 128.142+/-0.026 χ^2/NDF:546320.1/15

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 129.339+/-0.028 χ^2/NDF:421369.3/13

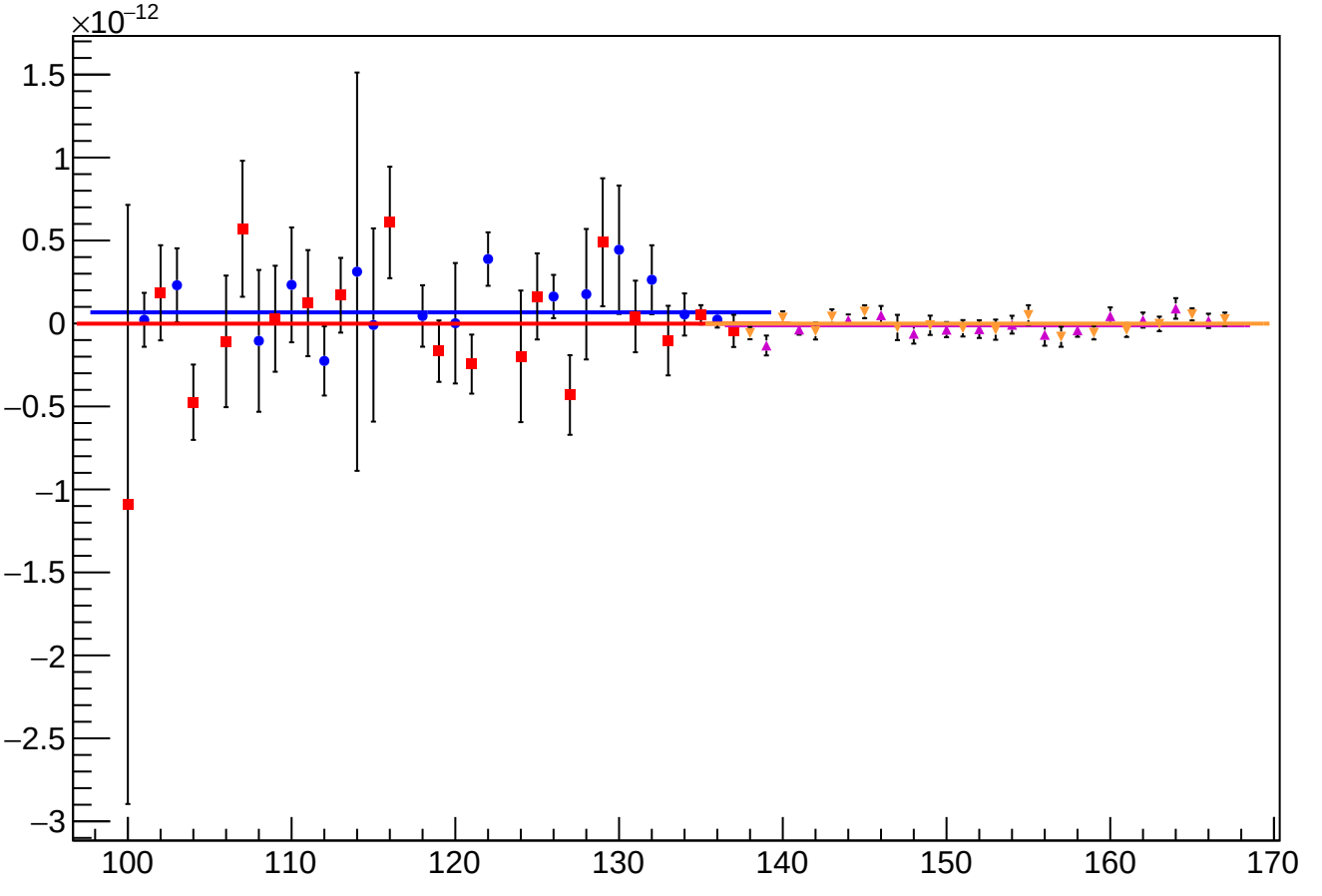
Left: 128.703+/-0.019 χ^2/NDF: 968691.8/29

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.991+/-0.022 χ^2/NDF:2226836.8/29

Out: 128.562+/-0.021 χ^2/NDF:2435378.3/34

All: 128.767+/-0.015 χ^2/NDF: 4662413.2/64



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/13

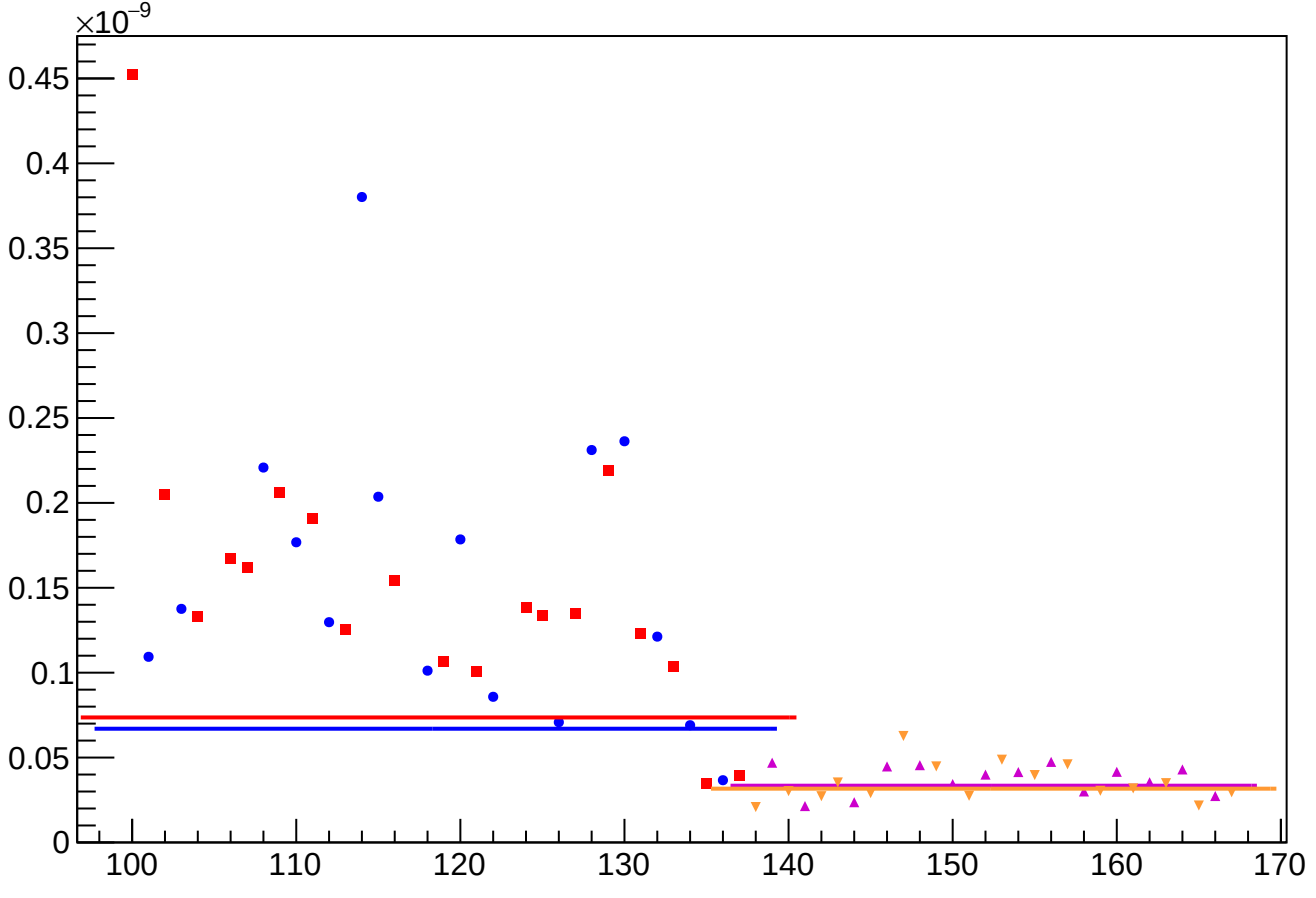
Left: -0.000+/-0.000 χ^2/NDF: 31.5/29

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:28.6/29

Out: -0.000+/-0.000 χ^2/NDF:37.7/34

All: -0.000+/-0.000 χ^2/NDF: 66.4/64



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1131819.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1042642.6/13

Left: 0.000+/-0.000 χ^2/NDF: 2196042.8/29

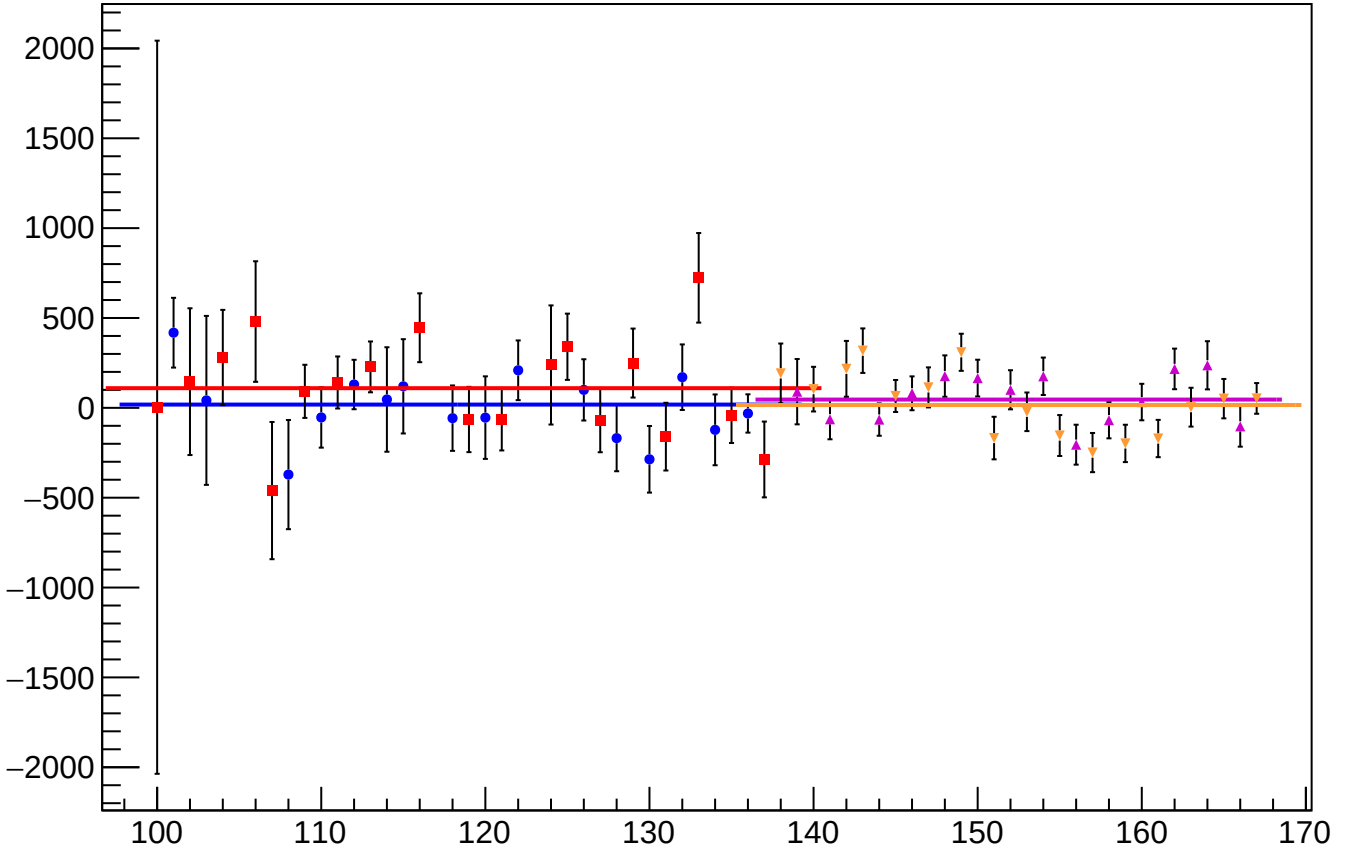
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5767182.4/29

Out: 0.000+/-0.000 χ^2/NDF:6880150.5/34

All: 0.000+/-0.000 χ^2/NDF: 12681176.3/64

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 15.803+/-27.533 χ^2/NDF:36.9/15

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 46.027+/-29.087 χ^2/NDF:19.6/13

Left: 30.086+/-19.995 χ^2/NDF: 57.0/29

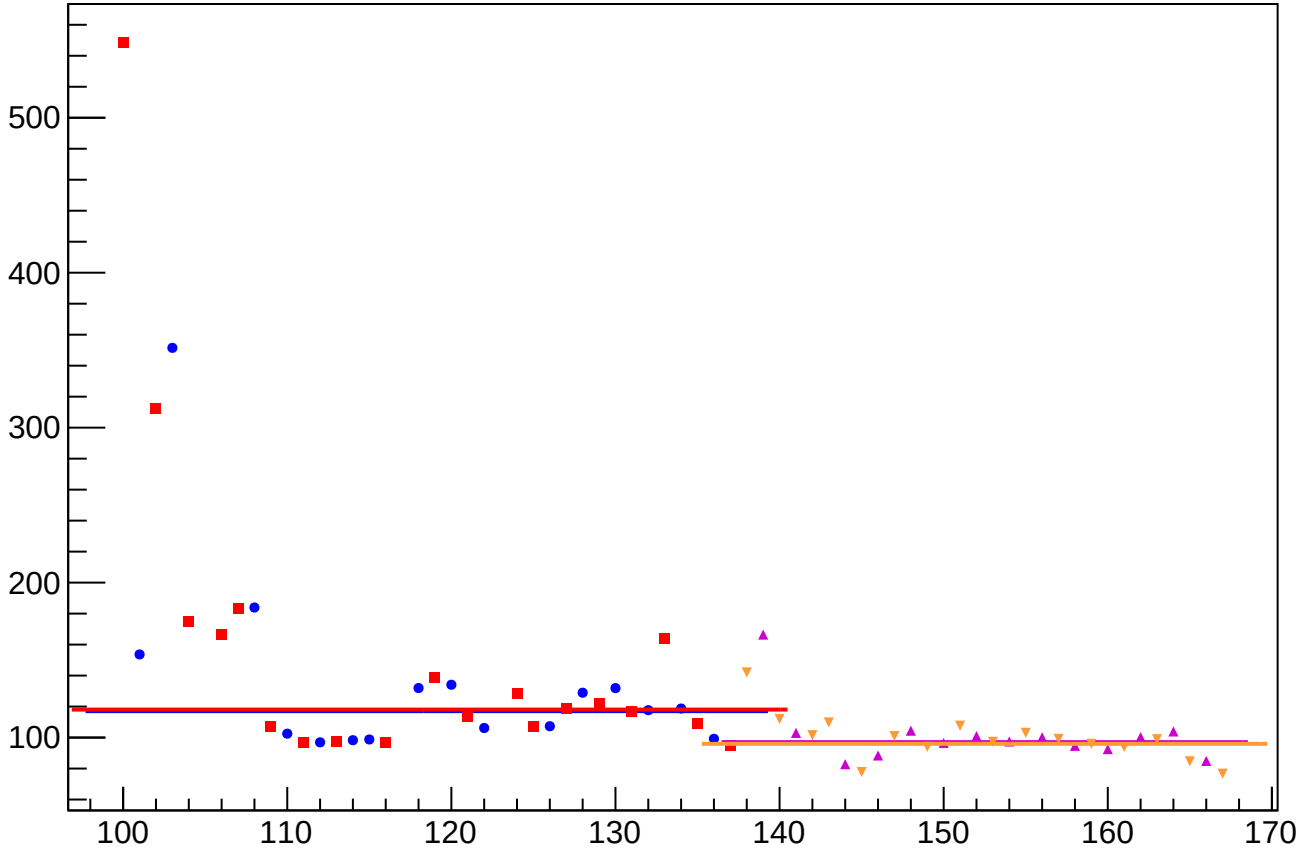
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 38.006+/-24.539 χ^2/NDF:33.7/29

Out: 40.638+/-23.600 χ^2/NDF:65.4/34

All: 39.373+/-17.010 χ^2/NDF: 99.1/64

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 95.956+/-0.019 χ^2/NDF:457995.5/15

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 97.054+/-0.021 χ^2/NDF:411469.4/13

Left: 96.475+/-0.014 χ^2/NDF: 870968.8/29

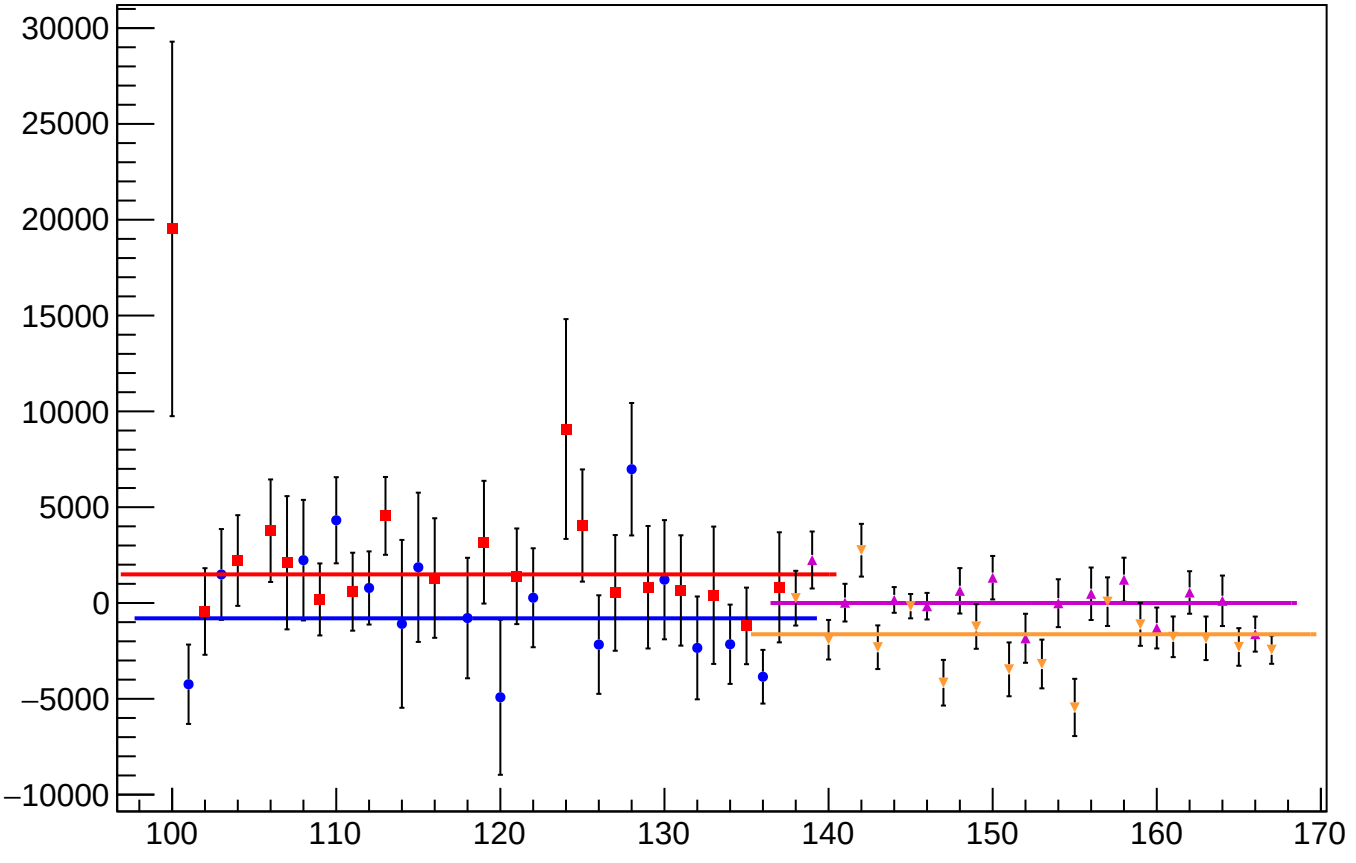
Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 102.822+/-0.017 χ^2/NDF:1542681.7/29

Out: 101.818+/-0.017 χ^2/NDF:1790587.9/34

All: 102.300+/-0.012 χ^2/NDF: 3335008.4/64

asym_sam3_reg_correction_mean vs Slug, Sign Corrected



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1630.674+/-265.452 χ^2/NDF:35.7/15

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 0.012+/-274.411 χ^2/NDF:12.3/13

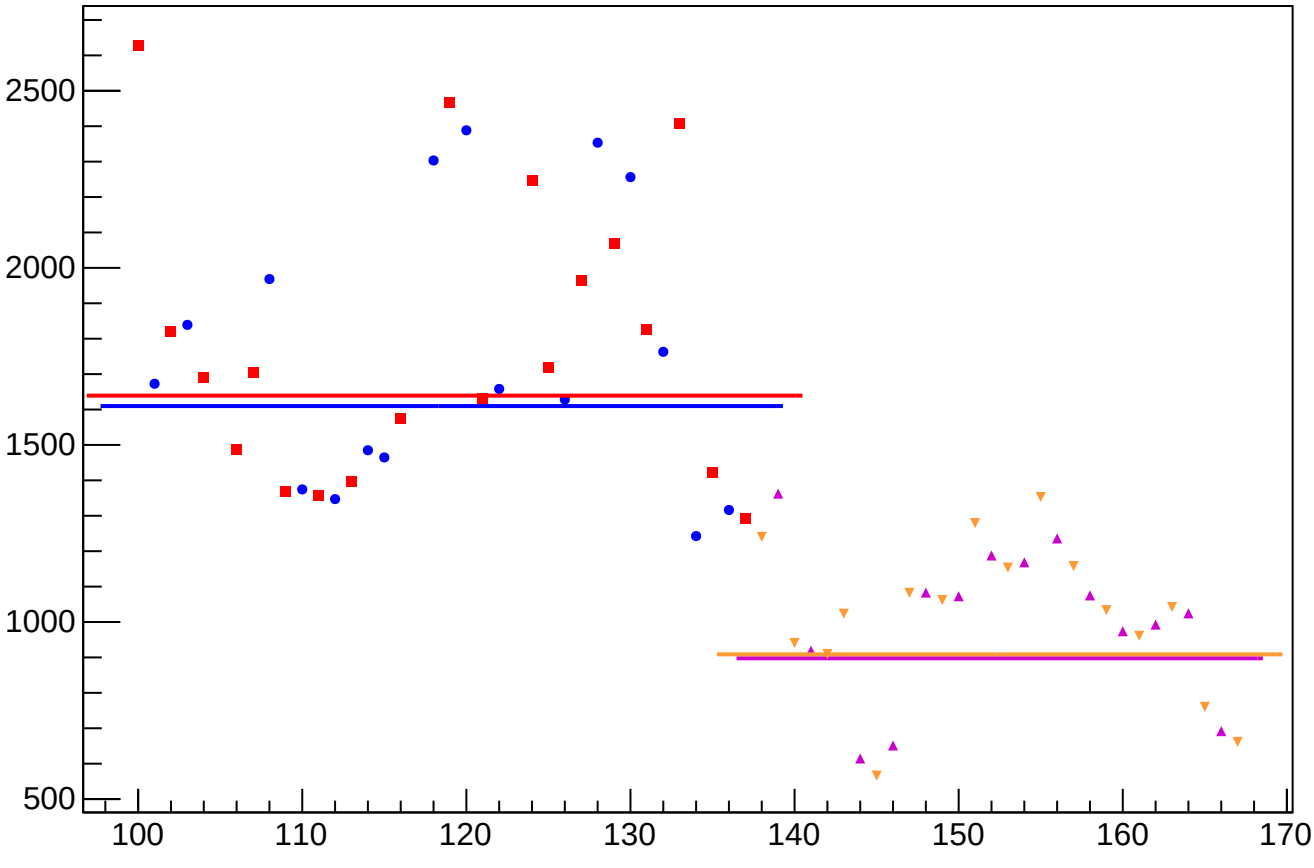
Left: -842.385+/-190.792 χ^2/NDF: 66.2/29

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -132.312+/-250.665 χ^2/NDF:37.1/29

Out: -1137.404+/-243.599 χ^2/NDF:70.5/34

All: -649.223+/-174.695 χ^2/NDF: 115.9/64



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 908.684+/-0.188 χ^2/NDF:1585233.2/15

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 897.524+/-0.194 χ^2/NDF:1412506.5/13

Left: 903.289+/-0.135 χ^2/NDF: 2999448.7/29

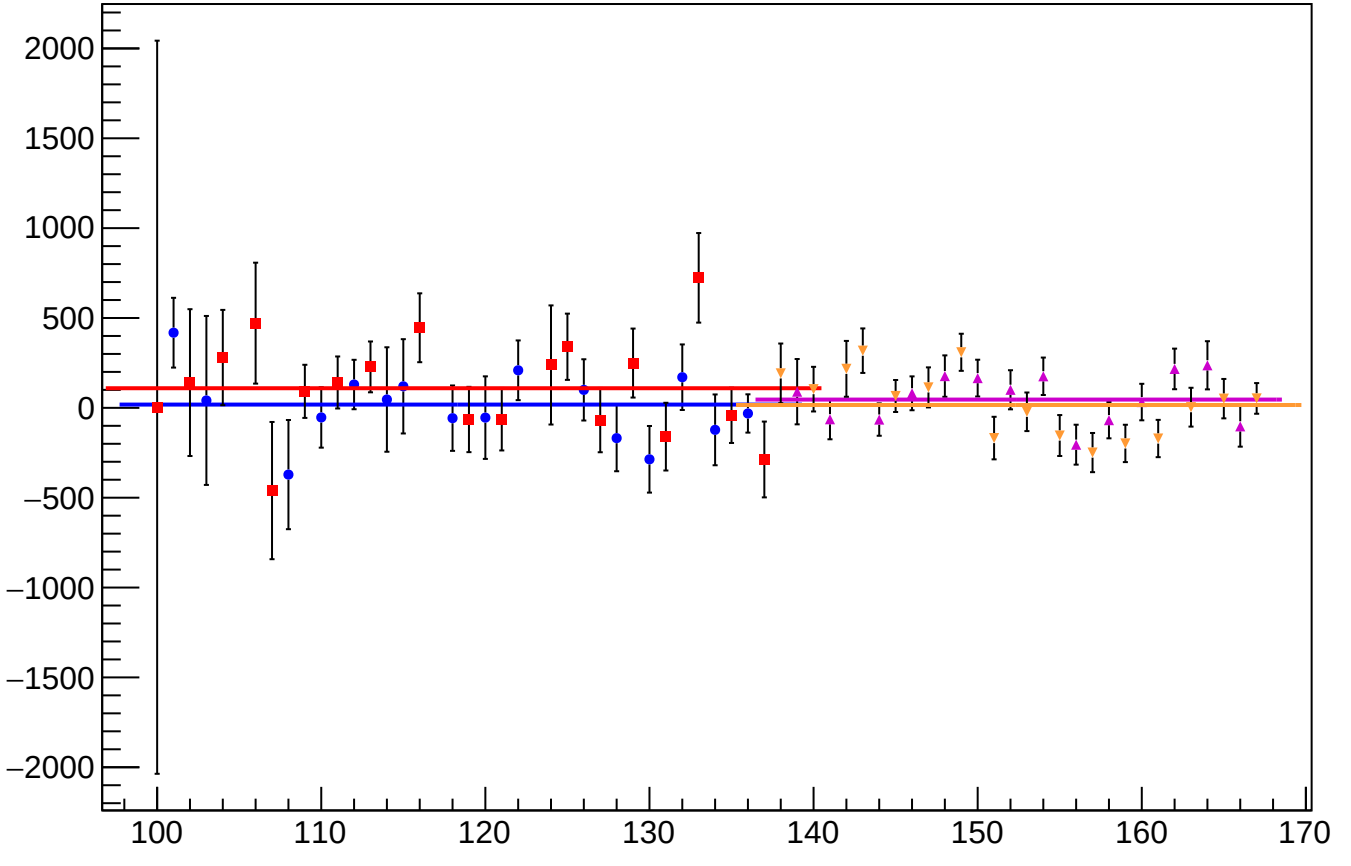
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1015.461+/-0.177 χ^2/NDF:4262708.4/29

Out: 1024.016+/-0.172 χ^2/NDF:4496857.0/34

All: 1019.861+/-0.124 χ^2/NDF: 8760763.5/64

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 15.812+/-27.533 χ^2/NDF:36.9/15

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 46.029+/-29.087 χ^2/NDF:19.6/13

Left: 30.092+/-19.995 χ^2/NDF: 57.0/29

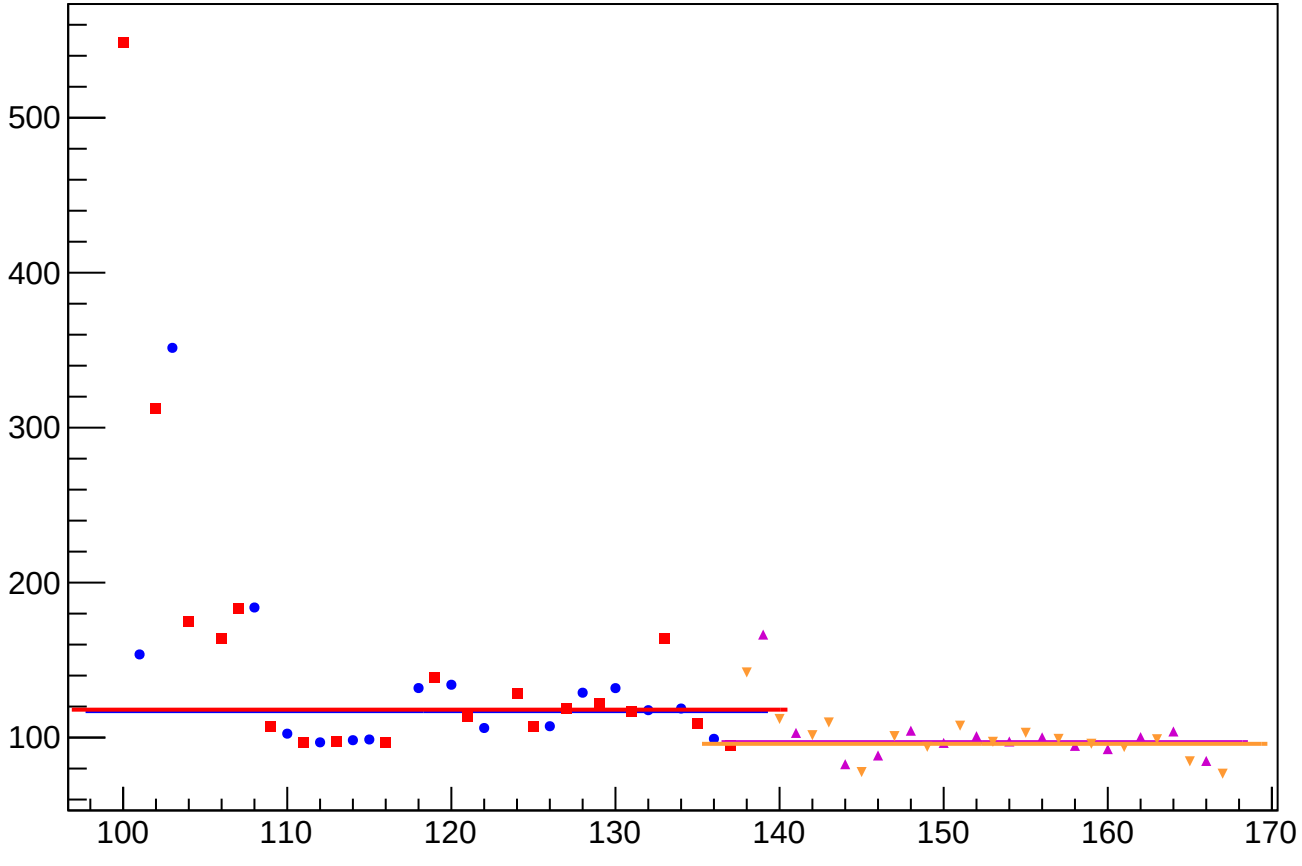
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 38.004+/-24.539 χ^2/NDF:33.7/29

Out: 40.567+/-23.601 χ^2/NDF:65.3/34

All: 39.335+/-17.010 χ^2/NDF: 99.0/64

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 95.956+/-0.019 χ^2/NDF:457995.4/15

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.054+/-0.021 χ^2/NDF:411469.4/13

Left: 96.475+/-0.014 χ^2/NDF: 870968.7/29

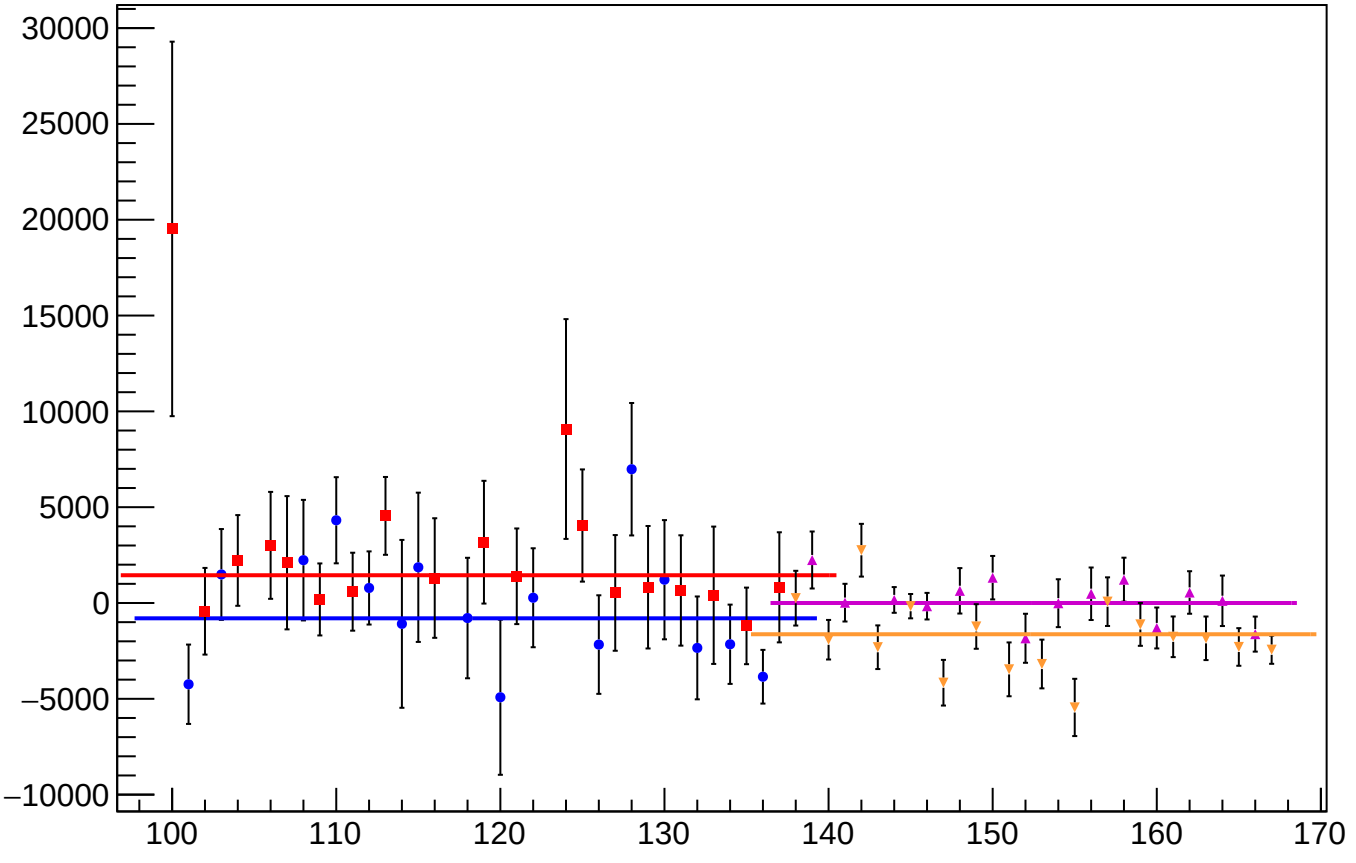
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 102.822+/-0.017 χ^2/NDF:1542683.6/29

Out: 101.804+/-0.017 χ^2/NDF:1784760.7/34

All: 102.293+/-0.012 χ^2/NDF: 3329232.8/64

asym_sam3_cor_correction_mean vs Slug, Sign Corrected



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1630.661+/-265.452 χ^2/NDF:35.7/15

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 0.016+/-274.411 χ^2/NDF:12.3/13

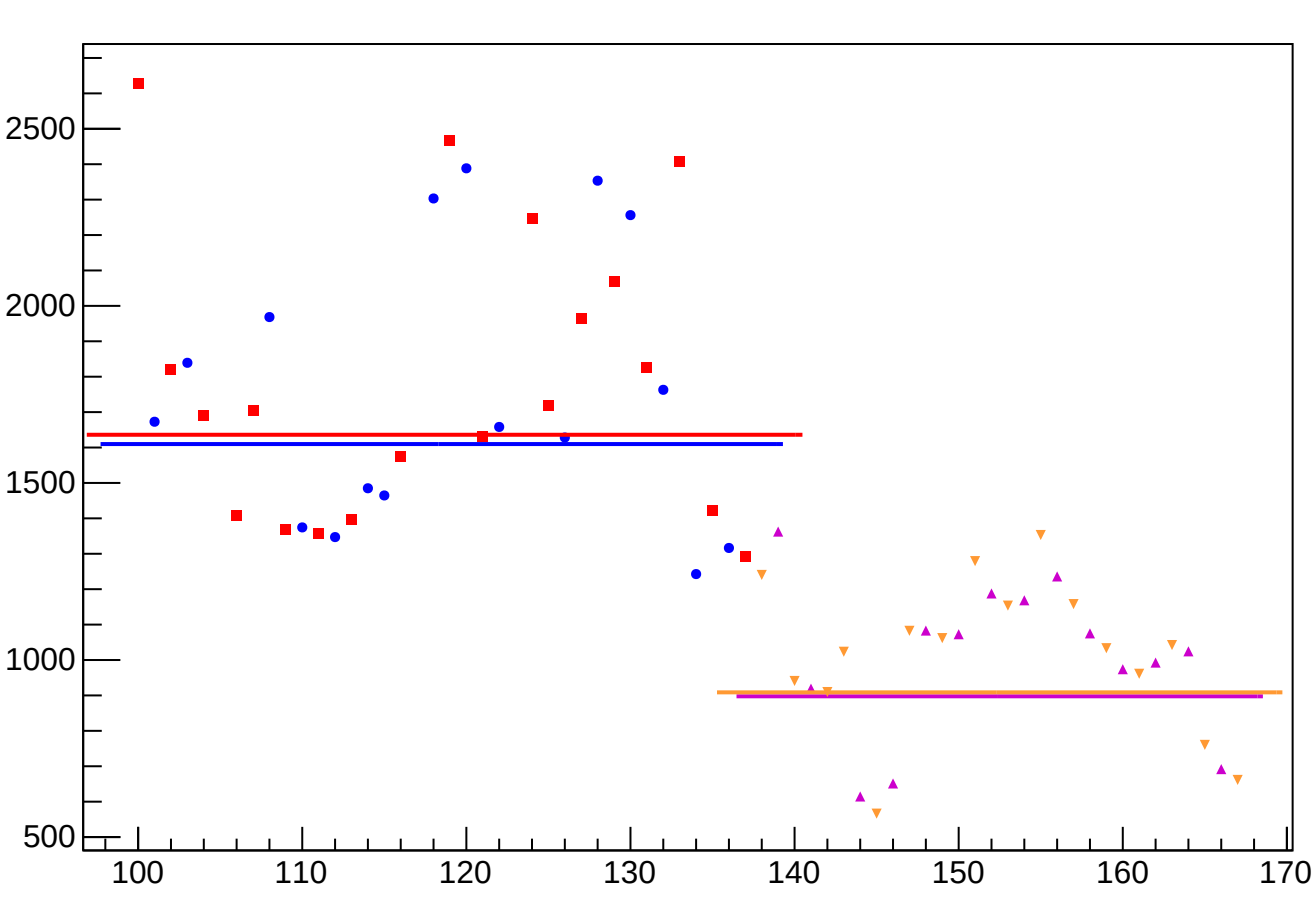
Left: -842.377+/-190.791 χ^2/NDF: 66.2/29

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -132.304+/-250.665 χ^2/NDF:37.1/29

Out: -1146.365+/-243.683 χ^2/NDF:69.3/34

All: -653.653+/-174.726 χ^2/NDF: 114.8/64



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 908.684+/-0.188 χ^2/NDF:1585238.7/15

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 897.524+/-0.194 χ^2/NDF:1412507.9/13

Left: 903.289+/-0.135 χ^2/NDF: 2999455.4/29

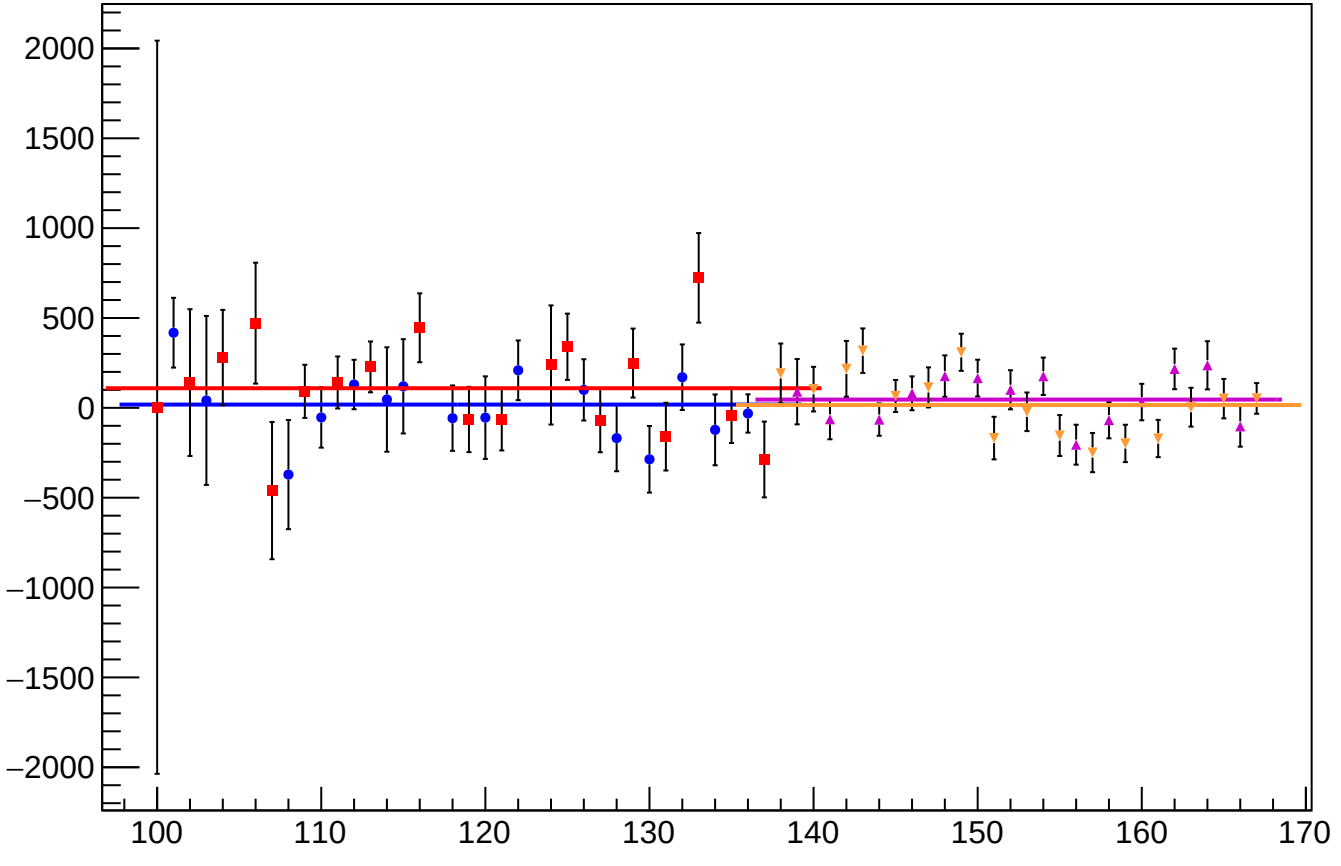
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1015.461+/-0.177 χ^2/NDF:4262771.5/29

Out: 1023.087+/-0.172 χ^2/NDF:4474880.0/34

All: 1019.382+/-0.124 χ^2/NDF: 8738603.3/64

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 15.812+/-27.533 χ^2/NDF:36.9/15

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 46.029+/-29.087 χ^2/NDF:19.6/13

Left: 30.092+/-19.995 χ^2/NDF: 57.0/29

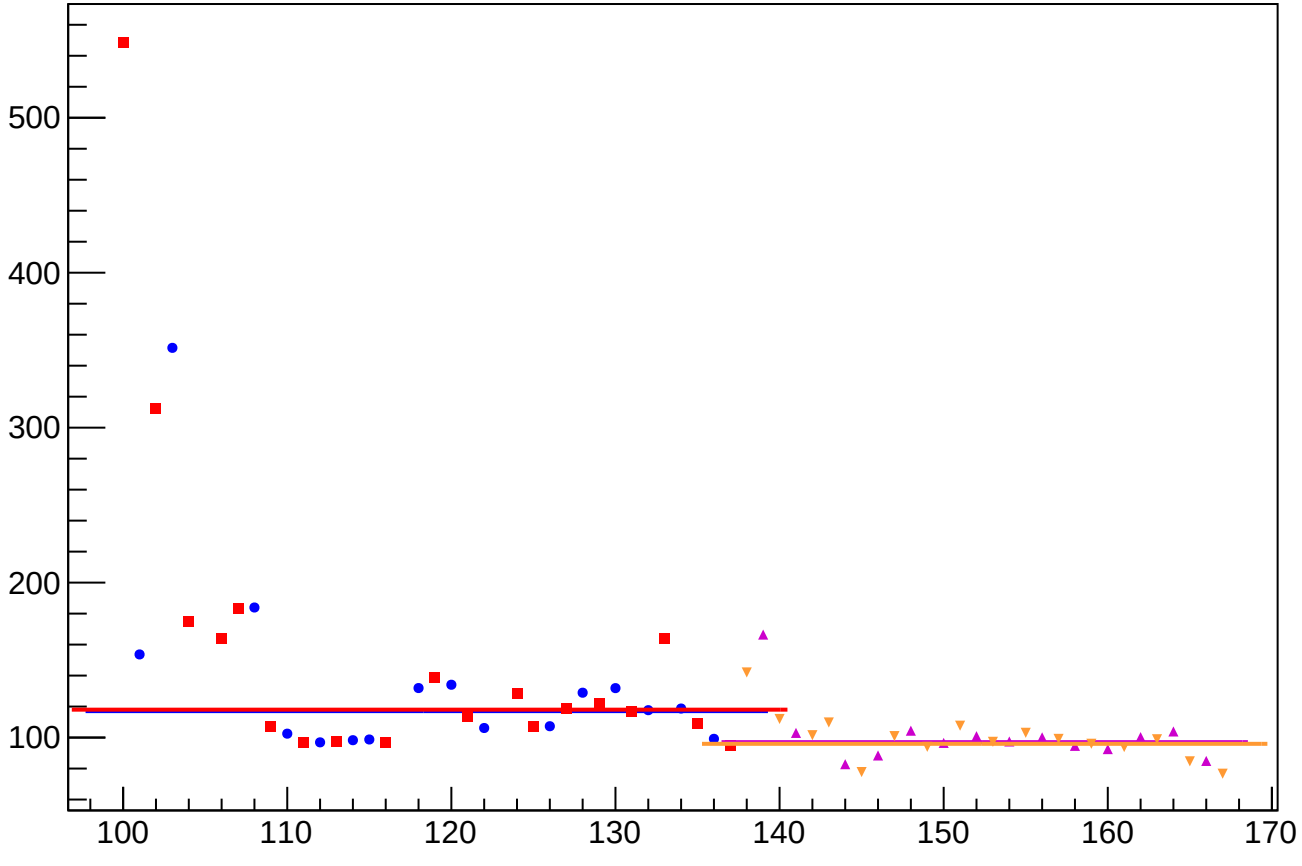
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 38.004+/-24.539 χ^2/NDF:33.7/29

Out: 40.567+/-23.601 χ^2/NDF:65.3/34

All: 39.335+/-17.010 χ^2/NDF: 99.0/64

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 95.956+/-0.019 χ^2/NDF:457995.4/15

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.054+/-0.021 χ^2/NDF:411469.4/13

Left: 96.475+/-0.014 χ^2/NDF: 870968.7/29

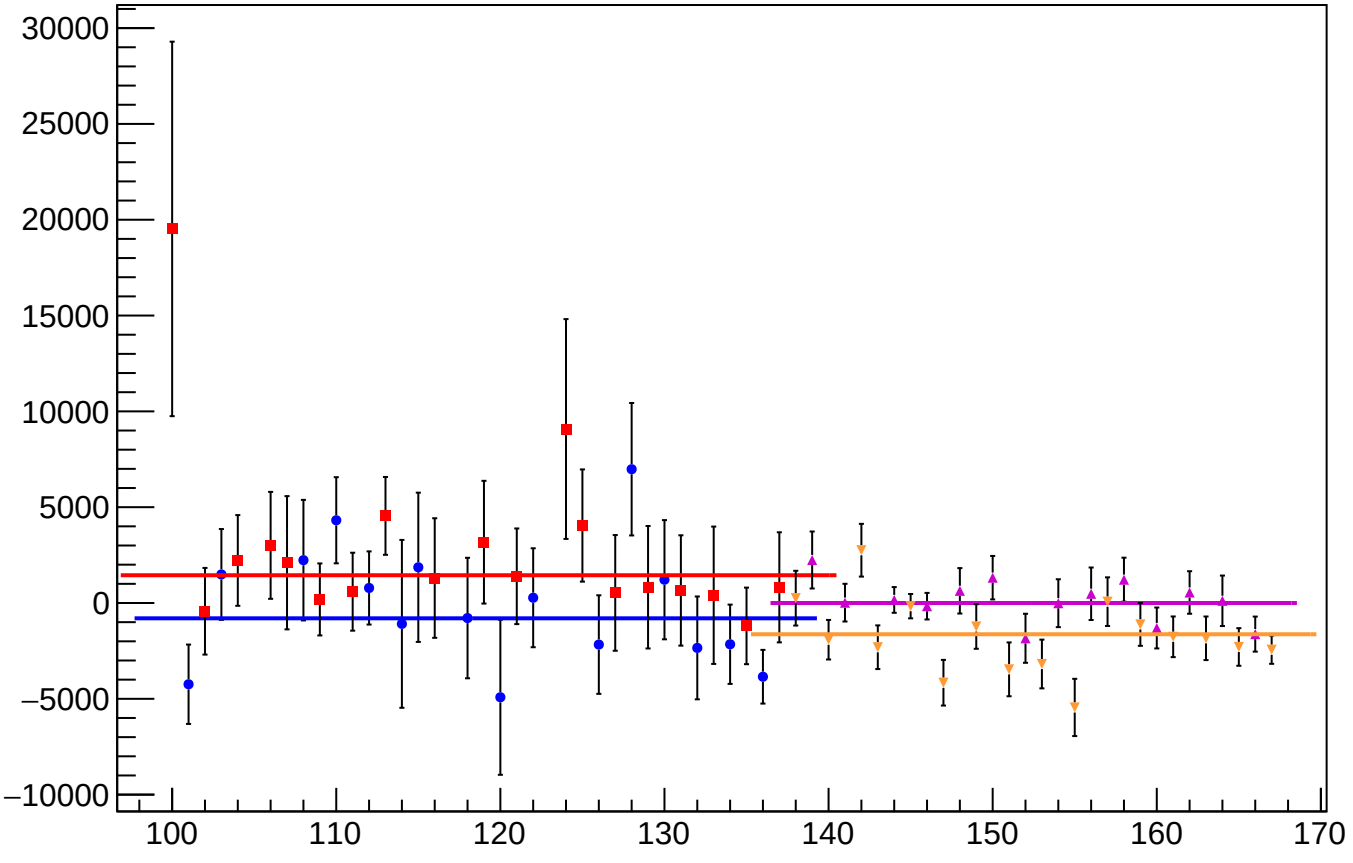
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 102.822+/-0.017 χ^2/NDF:1542683.6/29

Out: 101.804+/-0.017 χ^2/NDF:1784760.7/34

All: 102.293+/-0.012 χ^2/NDF: 3329232.8/64

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1630.661+/-265.452 χ^2/NDF:35.7/15

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 0.016+/-274.411 χ^2/NDF:12.3/13

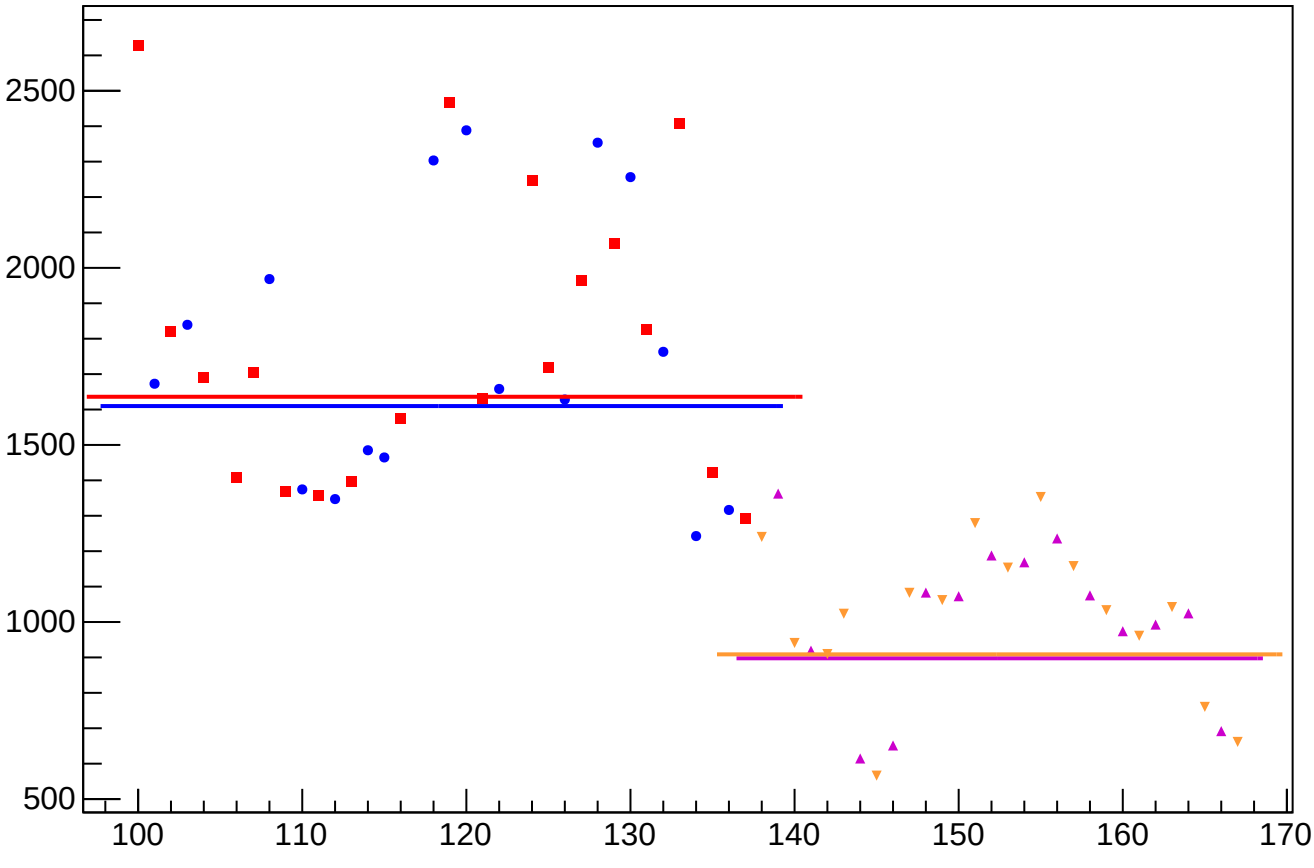
Left: -842.377+/-190.791 χ^2/NDF: 66.2/29

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -132.304+/-250.665 χ^2/NDF:37.1/29

Out: -1146.365+/-243.683 χ^2/NDF:69.3/34

All: -653.653+/-174.726 χ^2/NDF: 114.8/64



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 908.684+/-0.188 χ^2/NDF:1585238.7/15

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 897.524+/-0.194 χ^2/NDF:1412507.9/13

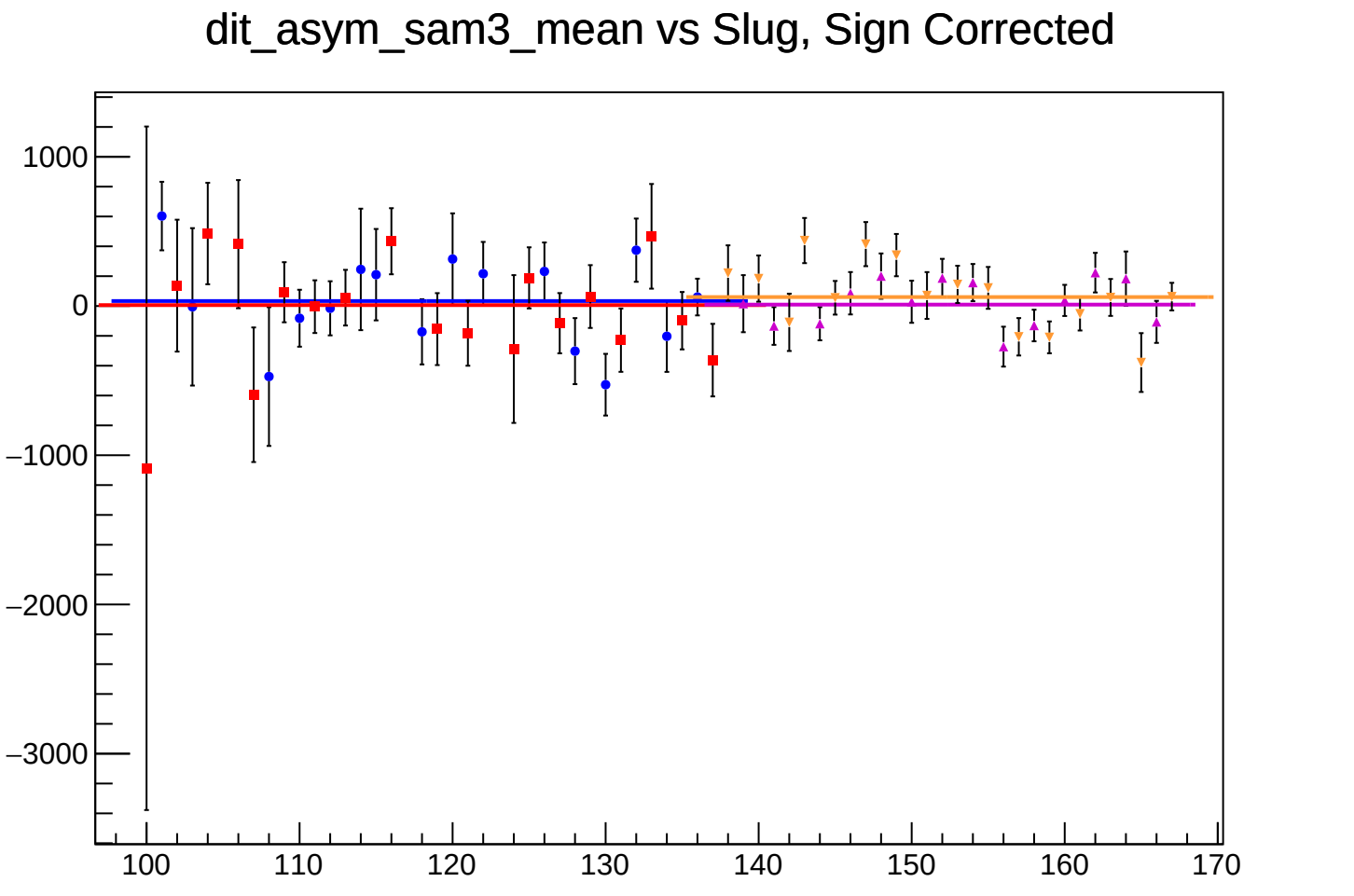
Left: 903.289+/-0.135 χ^2/NDF: 2999455.4/29

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1015.461+/-0.177 χ^2/NDF:4262771.5/29

Out: 1023.087+/-0.172 χ^2/NDF:4474880.0/34

All: 1019.382+/-0.124 χ^2/NDF: 8738603.3/64



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 60.047+/-33.148 χ^2/NDF:35.7/15

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 9.372+/-35.072 χ^2/NDF:18.3/13

Left: 36.138+/-24.090 χ^2/NDF: 55.0/29

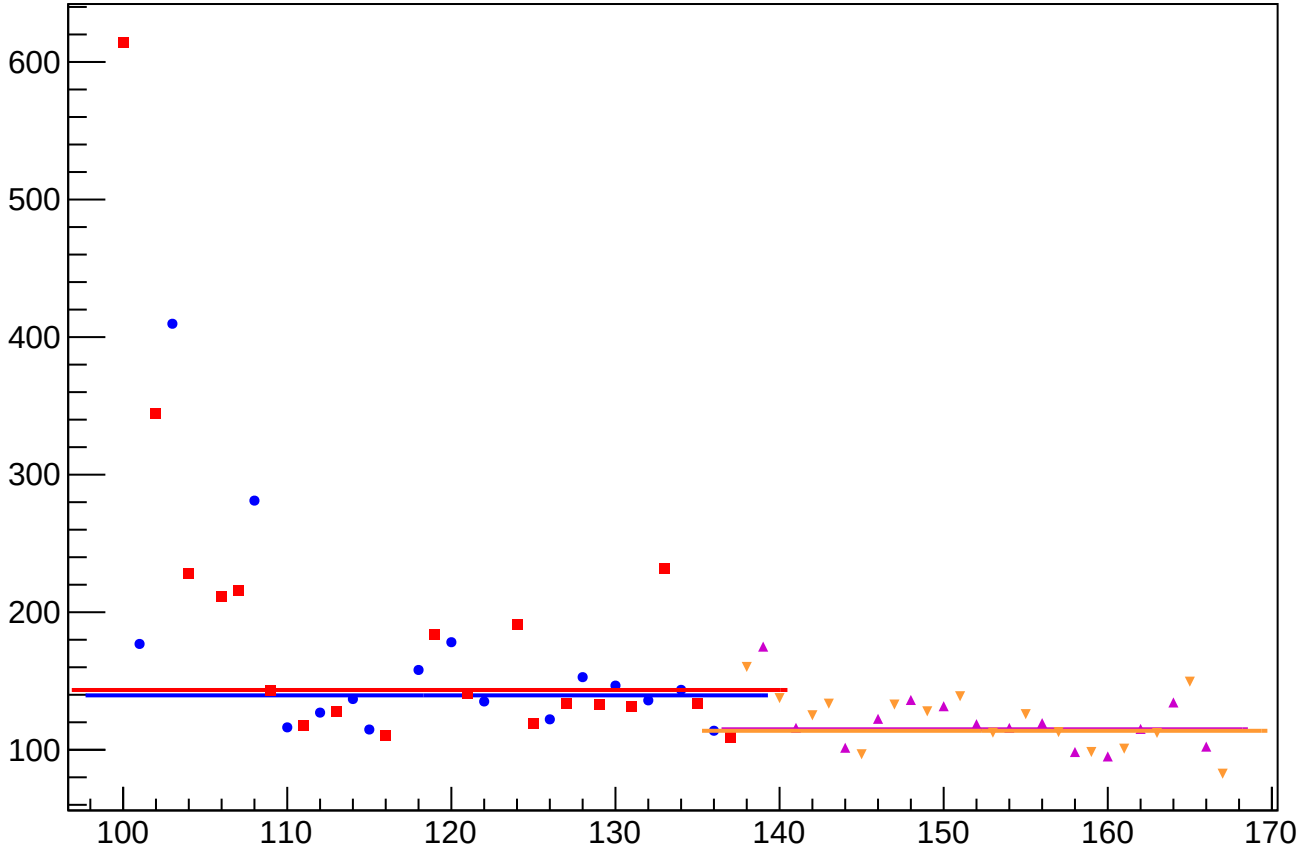
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 16.355+/-29.557 χ^2/NDF:43.6/29

Out: 46.085+/-28.537 χ^2/NDF:53.6/34

All: 31.742+/-20.530 χ^2/NDF: 97.7/64

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 113.817+/-0.023 χ^2/NDF:739801.5/15

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 114.907+/-0.025 χ^2/NDF:463495.7/13

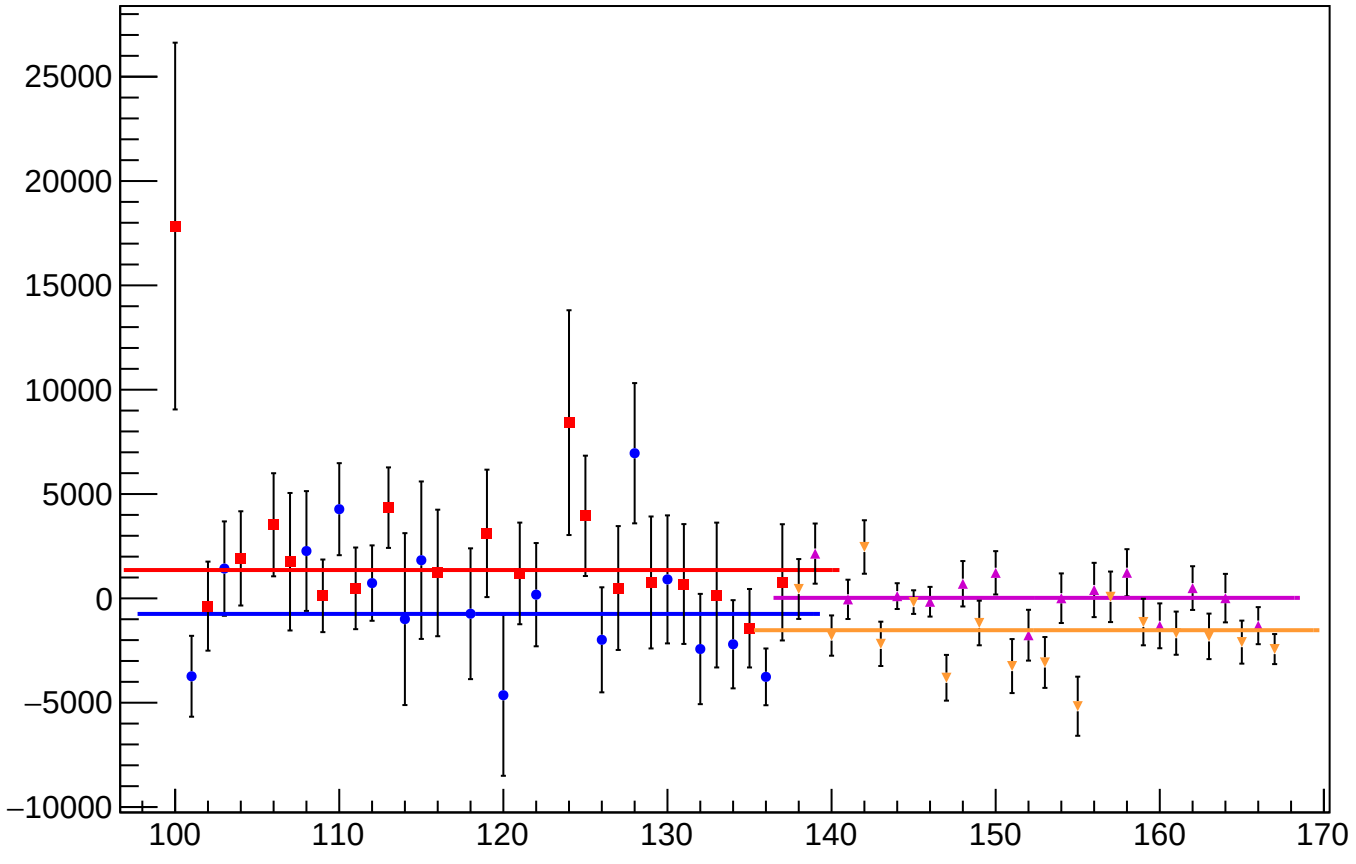
Left: 114.331+/-0.017 χ^2/NDF: 1204316.5/29

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 122.052+/-0.021 χ^2/NDF:1726741.2/29

Out: 121.495+/-0.020 χ^2/NDF:2271010.2/34

All: 121.764+/-0.015 χ^2/NDF: 3998118.9/64



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1525.464+/-251.716 χ^2/NDF:36.0/15

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 24.381+/-262.485 χ^2/NDF:11.4/13

Left: -782.987+/-181.678 χ^2/NDF: 65.5/29

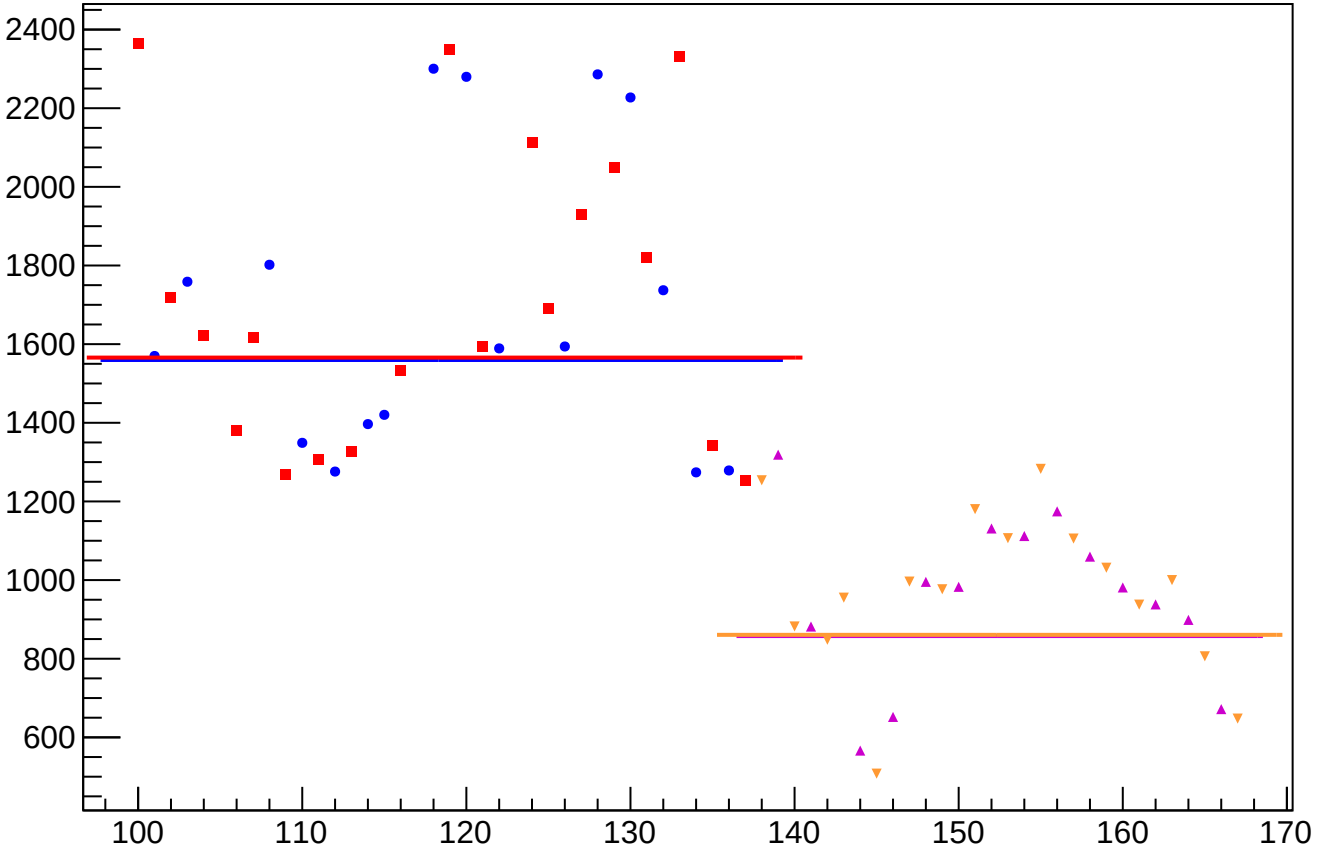
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -100.622+/-240.207 χ^2/NDF:36.2/29

Out: -1076.077+/-231.269 χ^2/NDF:69.9/34

All: -606.835+/-166.602 χ^2/NDF: 114.7/64

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 860.742+/-0.178 χ^2/NDF:1732687.4/15

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 857.631+/-0.186 χ^2/NDF:1381992.8/13

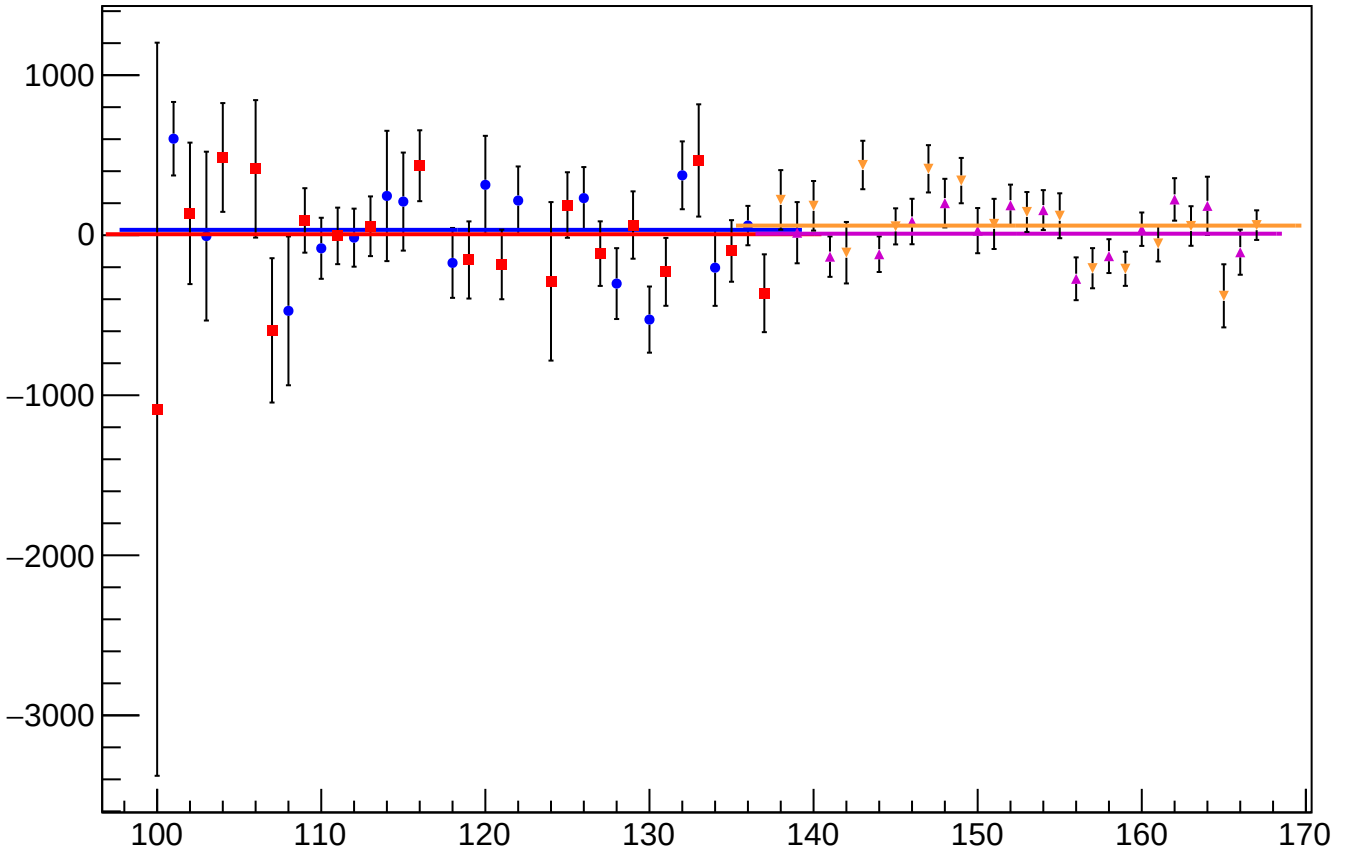
Left: 859.251+/-0.128 χ^2/NDF: 3114826.5/29

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 971.750+/-0.170 χ^2/NDF:4312058.3/29

Out: 970.631+/-0.164 χ^2/NDF:4742192.4/34

All: 971.169+/-0.118 χ^2/NDF: 9054273.3/64



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 60.049+/-33.148 χ^2/NDF:35.7/15

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 9.371+/-35.072 χ^2/NDF:18.3/13

Left: 36.138+/-24.091 χ^2/NDF: 55.0/29

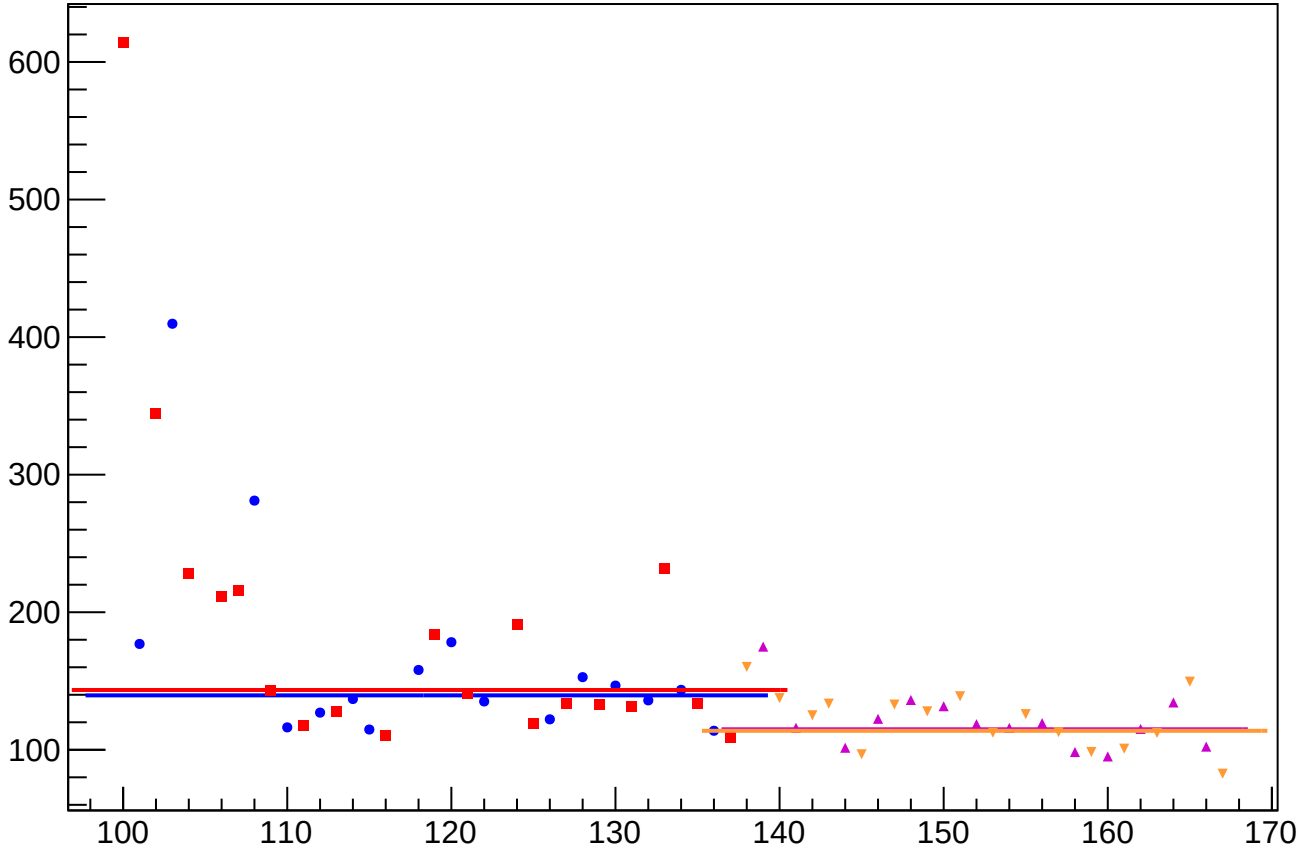
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 16.354+/-29.557 χ^2/NDF:43.6/29

Out: 46.085+/-28.537 χ^2/NDF:53.6/34

All: 31.741+/-20.530 χ^2/NDF: 97.7/64

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 113.818+/-0.023 χ^2/NDF:739818.9/15

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 114.907+/-0.025 χ^2/NDF:463505.9/13

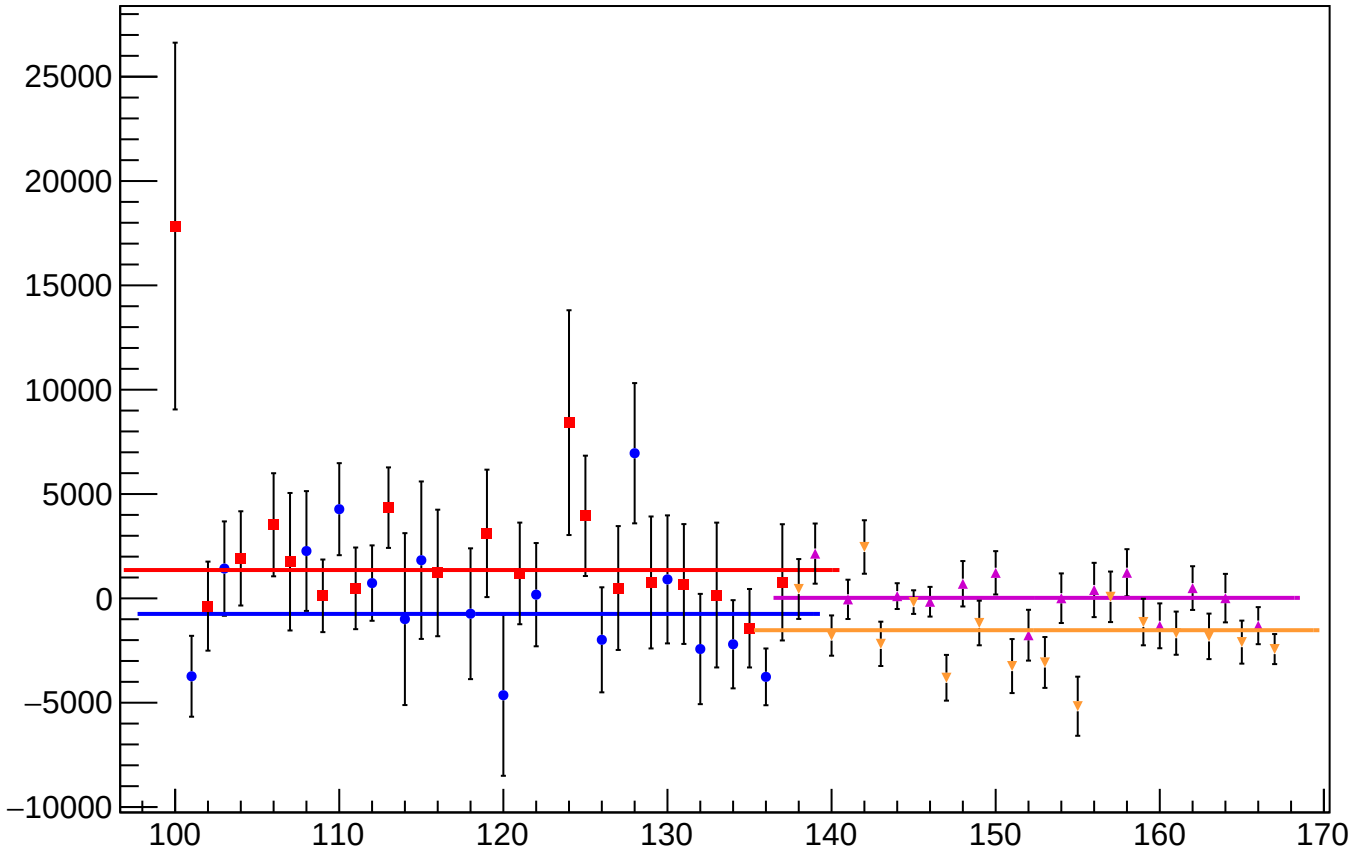
Left: 114.332+/-0.017 χ^2/NDF: 1204344.0/29

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 122.053+/-0.021 χ^2/NDF:1726749.1/29

Out: 121.496+/-0.020 χ^2/NDF:2271031.7/34

All: 121.765+/-0.015 χ^2/NDF: 3998148.2/64



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1525.464+/-251.715 χ^2/NDF:36.0/15

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 24.380+/-262.484 χ^2/NDF:11.4/13

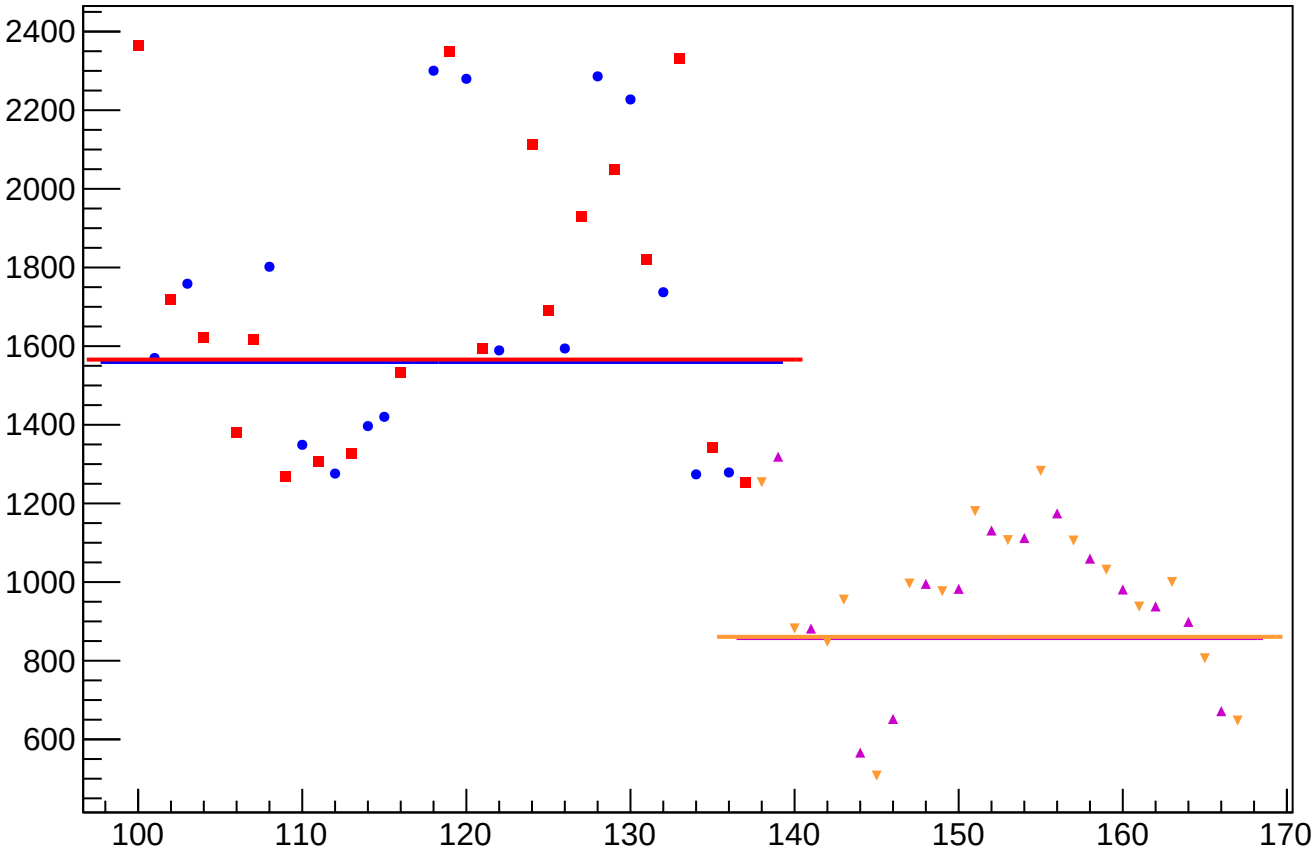
Left: -782.987+/-181.677 χ^2/NDF: 65.5/29

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -100.622+/-240.207 χ^2/NDF:36.2/29

Out: -1076.076+/-231.269 χ^2/NDF:69.9/34

All: -606.835+/-166.602 χ^2/NDF: 114.7/64



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 860.741+/-0.178 χ^2/NDF:1732683.4/15

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 857.630+/-0.186 χ^2/NDF:1381989.4/13

Left: 859.250+/-0.128 χ^2/NDF: 3114819.1/29

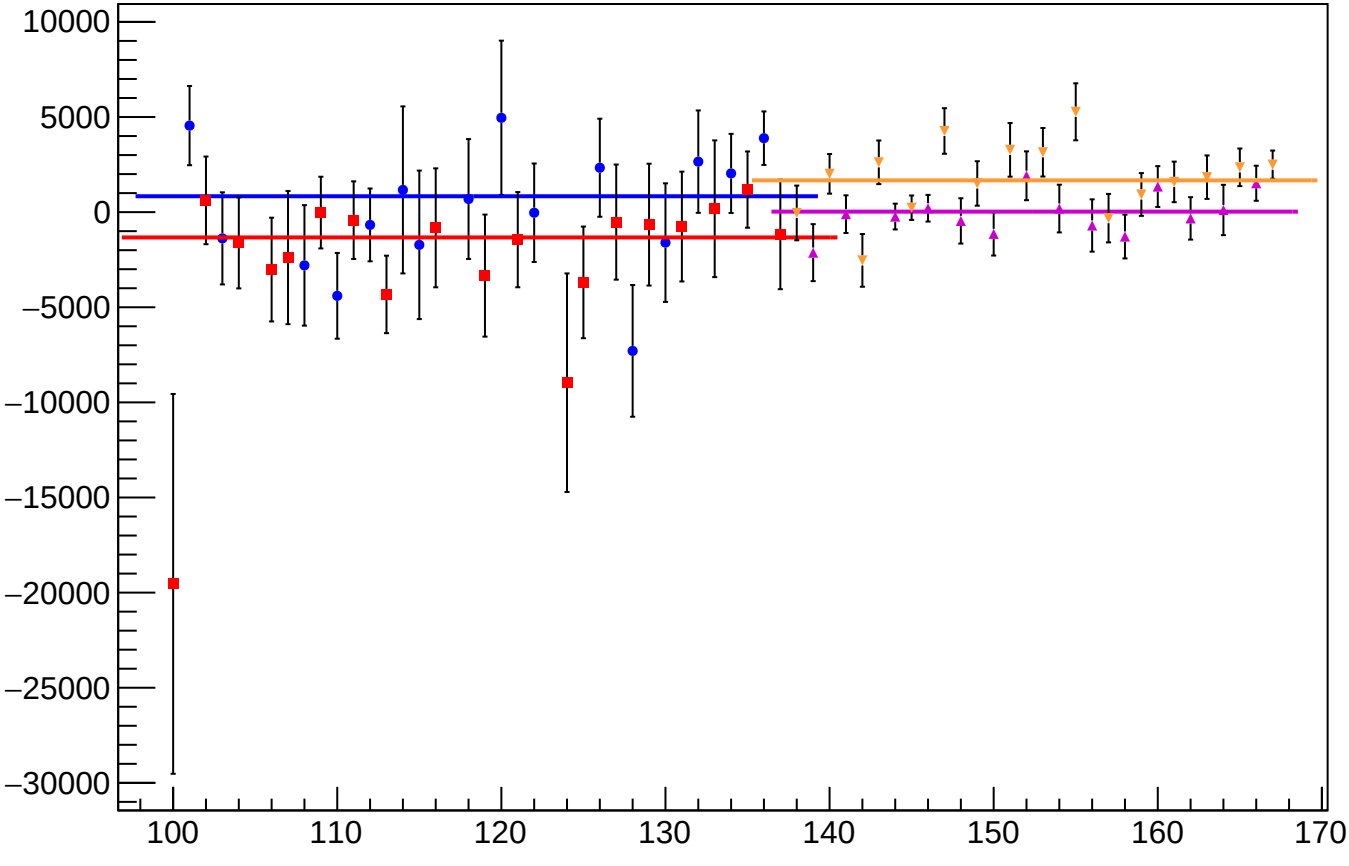
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 971.749+/-0.170 χ^2/NDF:4312056.1/29

Out: 970.630+/-0.164 χ^2/NDF:4742184.7/34

All: 971.168+/-0.118 χ^2/NDF: 9054263.3/64

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1669.974+/-267.117 χ^2/NDF:34.2/15

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: 26.605+/-276.262 χ^2/NDF:11.5/13

Left: 875.941+/-192.032 χ^2/NDF: 64.0/29

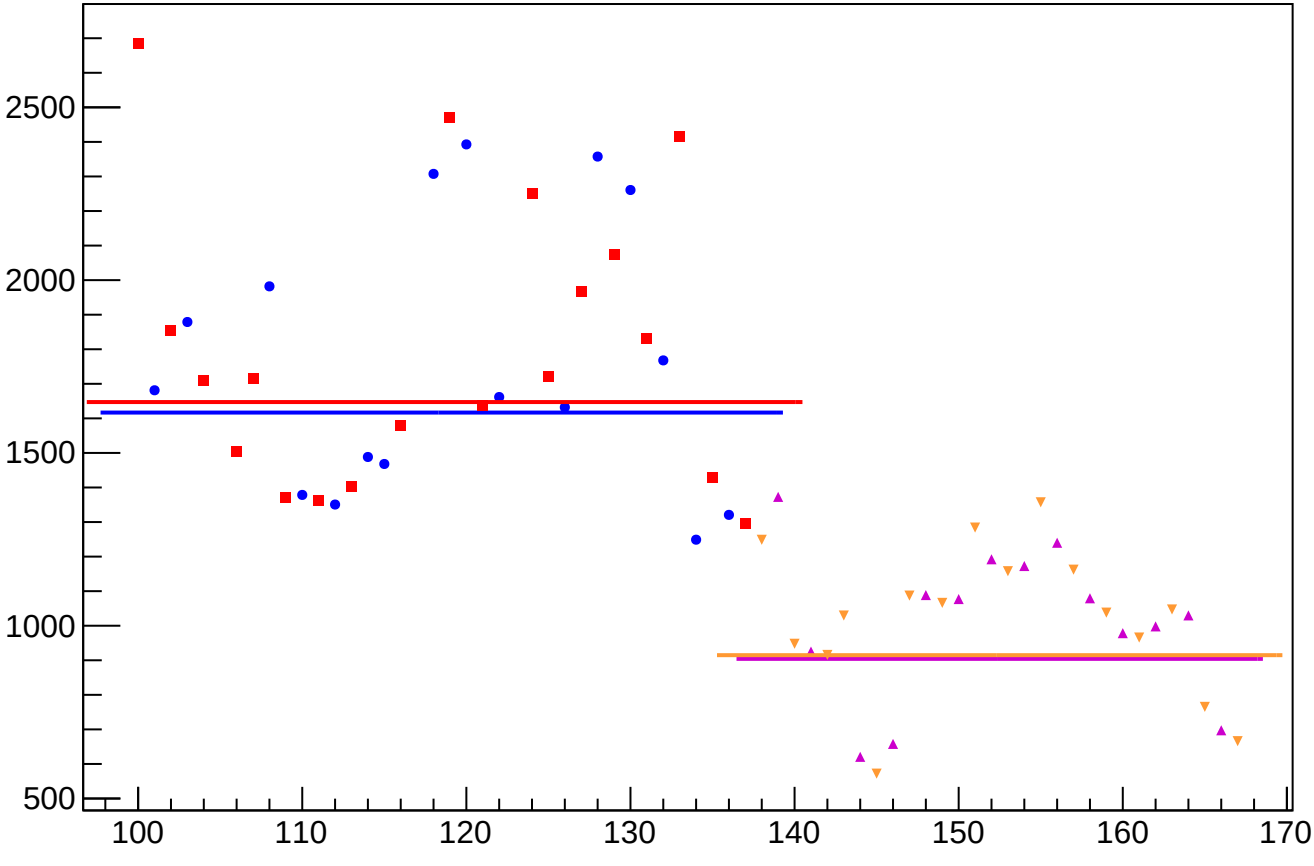
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 161.043+/-252.262 χ^2/NDF:37.8/29

Out: 1195.782+/-245.095 χ^2/NDF:66.3/34

All: 693.321+/-175.788 χ^2/NDF: 112.7/64

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 914.788+/-0.189 χ^2/NDF:1562133.6/15

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 904.092+/-0.195 χ^2/NDF:1388423.6/13

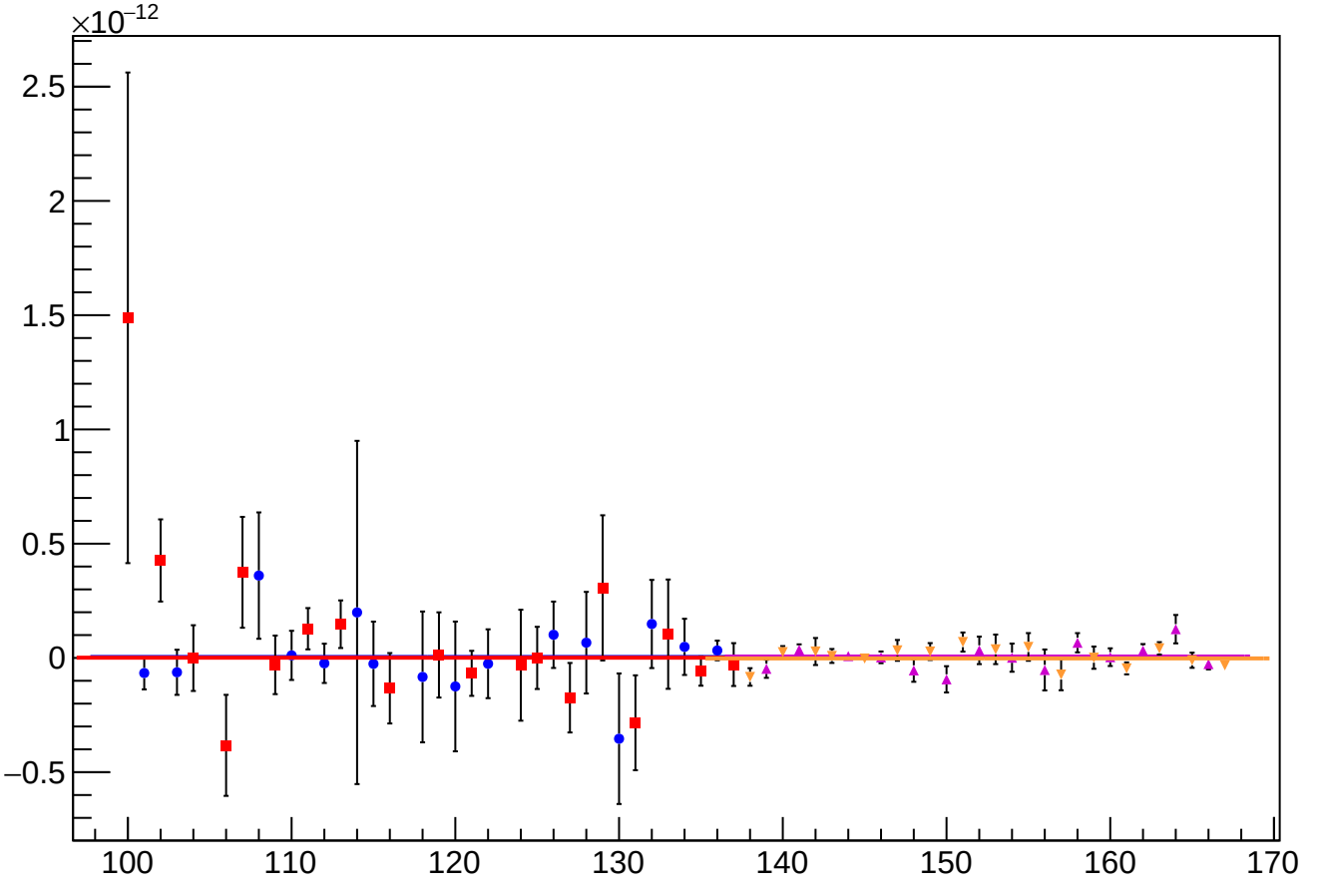
Left: 909.620+/-0.136 χ^2/NDF: 2952106.6/29

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1022.545+/-0.178 χ^2/NDF:4223009.4/29

Out: 1030.579+/-0.173 χ^2/NDF:4463243.3/34

All: 1026.678+/-0.124 χ^2/NDF: 8687296.2/64



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.0/13

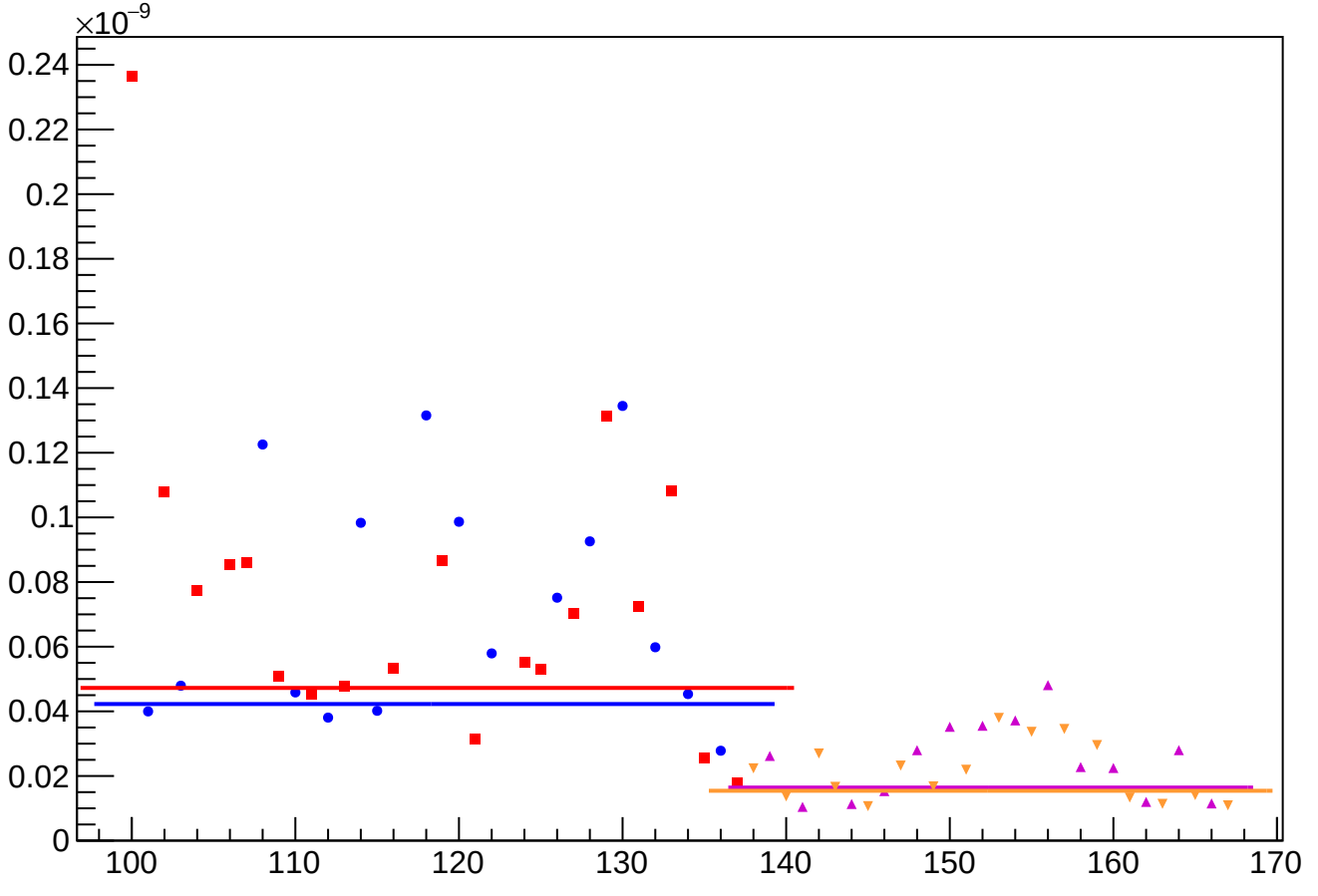
Left: 0.000+/-0.000 χ^2/NDF: 37.6/29

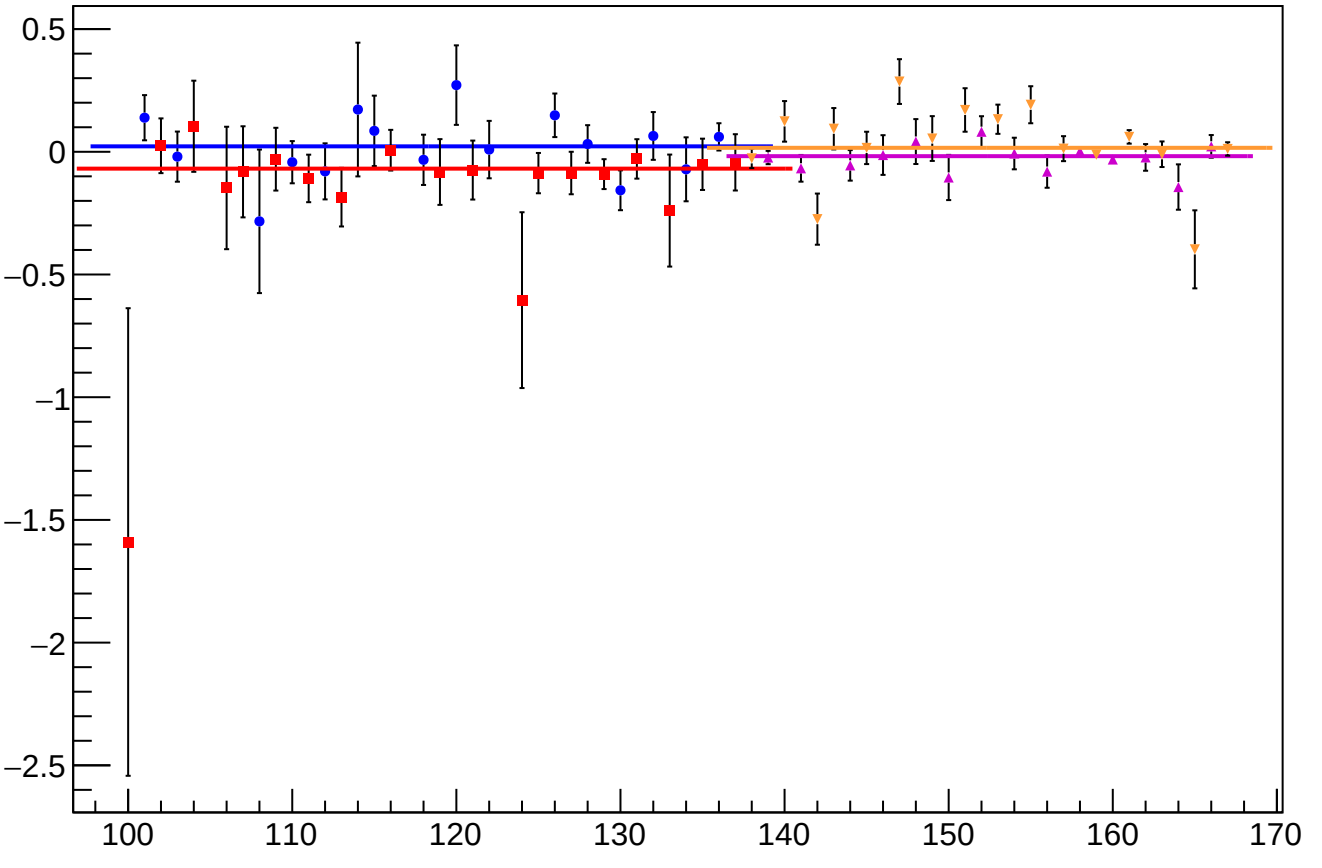
Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:23.9/29

Out: -0.000+/-0.000 χ^2/NDF:43.5/34

All: 0.000+/-0.000 χ^2/NDF: 67.9/64


asym_sam3_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1147920.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1311092.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 1410595.6/18
Left In: 0.000+/-0.000 χ²/NDF:1707700.1/13
Left: 0.000+/-0.000 χ²/NDF: 3032602.9/29
Right: 0.000+/-0.000 χ²/NDF: 2588419.0/34
In: 0.000+/-0.000 χ²/NDF:4485044.5/29
Out: 0.000+/-0.000 χ²/NDF:4783727.0/34
All: 0.000+/-0.000 χ²/NDF: 9297704.8/64



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.009 χ^2/NDF:10.8/13

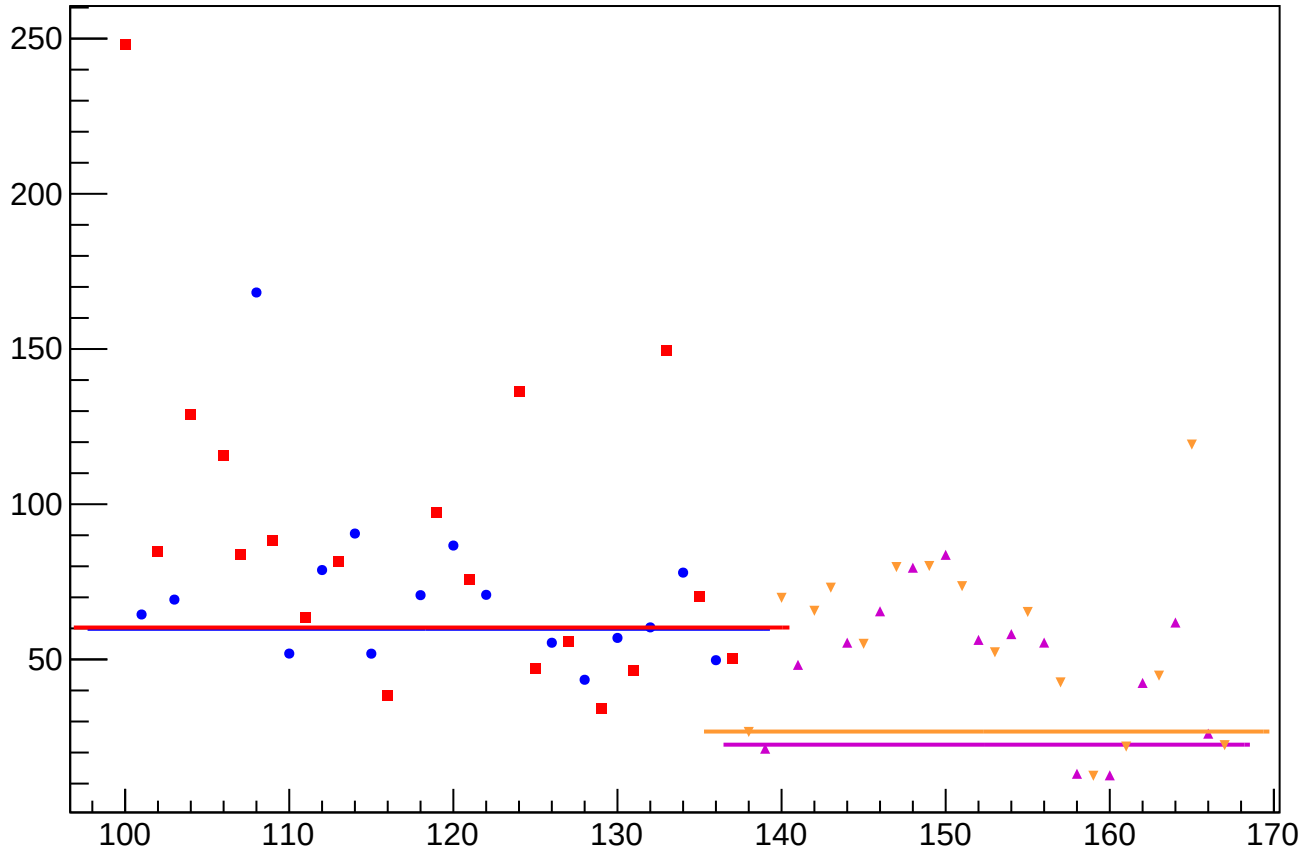
Left: -0.002+/-0.007 χ^2/NDF: 62.6/29

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:28.6/29

Out: 0.004+/-0.009 χ^2/NDF:65.0/34

All: -0.005+/-0.006 χ^2/NDF: 95.4/64



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.766+/-0.007 χ^2/NDF:7520779.0/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.537+/-0.007 χ^2/NDF:6977469.3/13

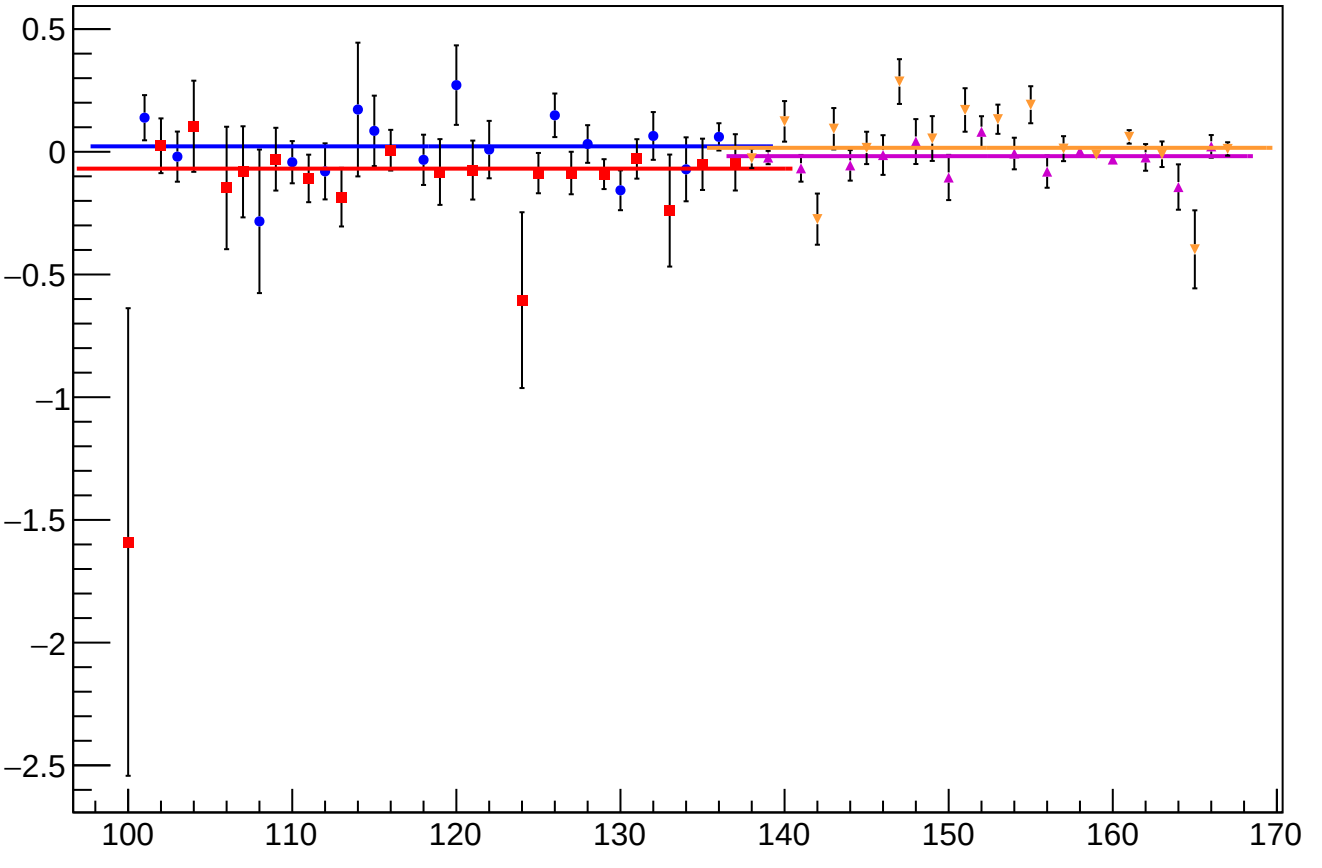
Left: 24.459+/-0.005 χ^2/NDF: 14687584.0/29

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.150+/-0.006 χ^2/NDF:11688546.7/29

Out: 31.422+/-0.007 χ^2/NDF:12524750.4/34

All: 29.110+/-0.005 χ^2/NDF: 24435869.0/64



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.009 χ^2/NDF:10.8/13

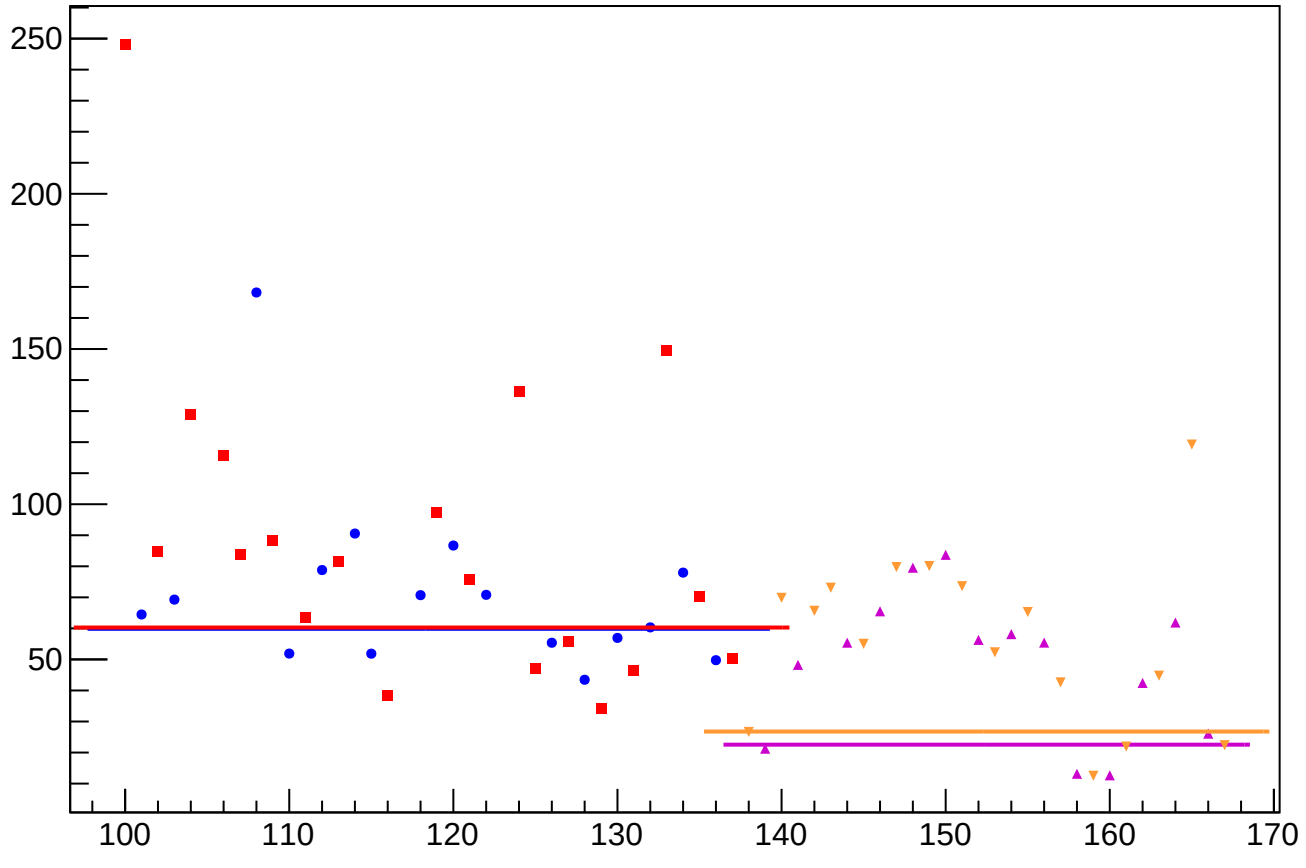
Left: -0.002+/-0.007 χ^2/NDF: 62.6/29

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:28.6/29

Out: 0.004+/-0.009 χ^2/NDF:65.0/34

All: -0.005+/-0.006 χ^2/NDF: 95.4/64



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.766+/-0.007 χ^2/NDF:7520779.0/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.537+/-0.007 χ^2/NDF:6977469.3/13

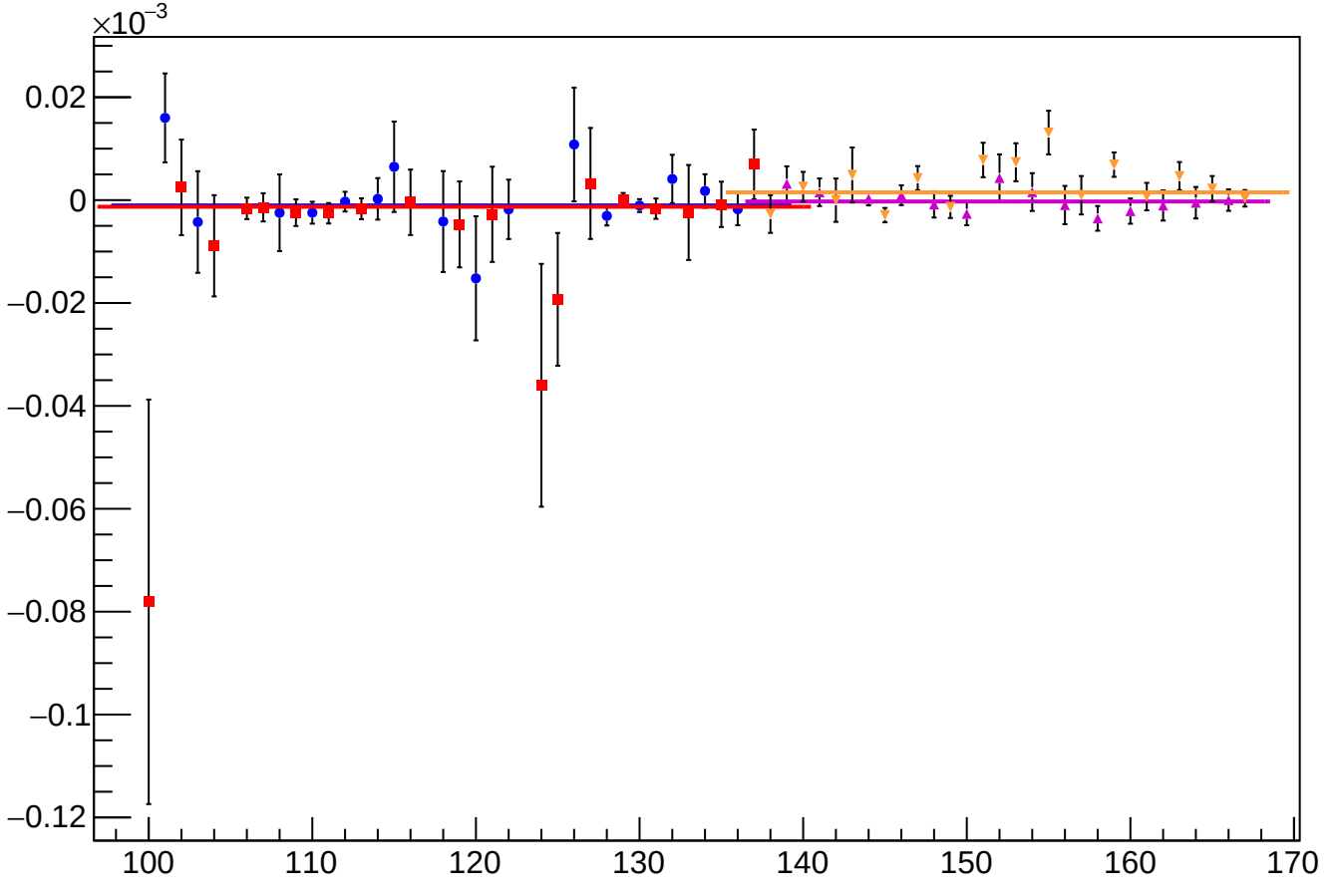
Left: 24.459+/-0.005 χ^2/NDF: 14687584.0/29

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.150+/-0.006 χ^2/NDF:11688546.7/29

Out: 31.422+/-0.007 χ^2/NDF:12524750.4/34

All: 29.110+/-0.005 χ^2/NDF: 24435869.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/13

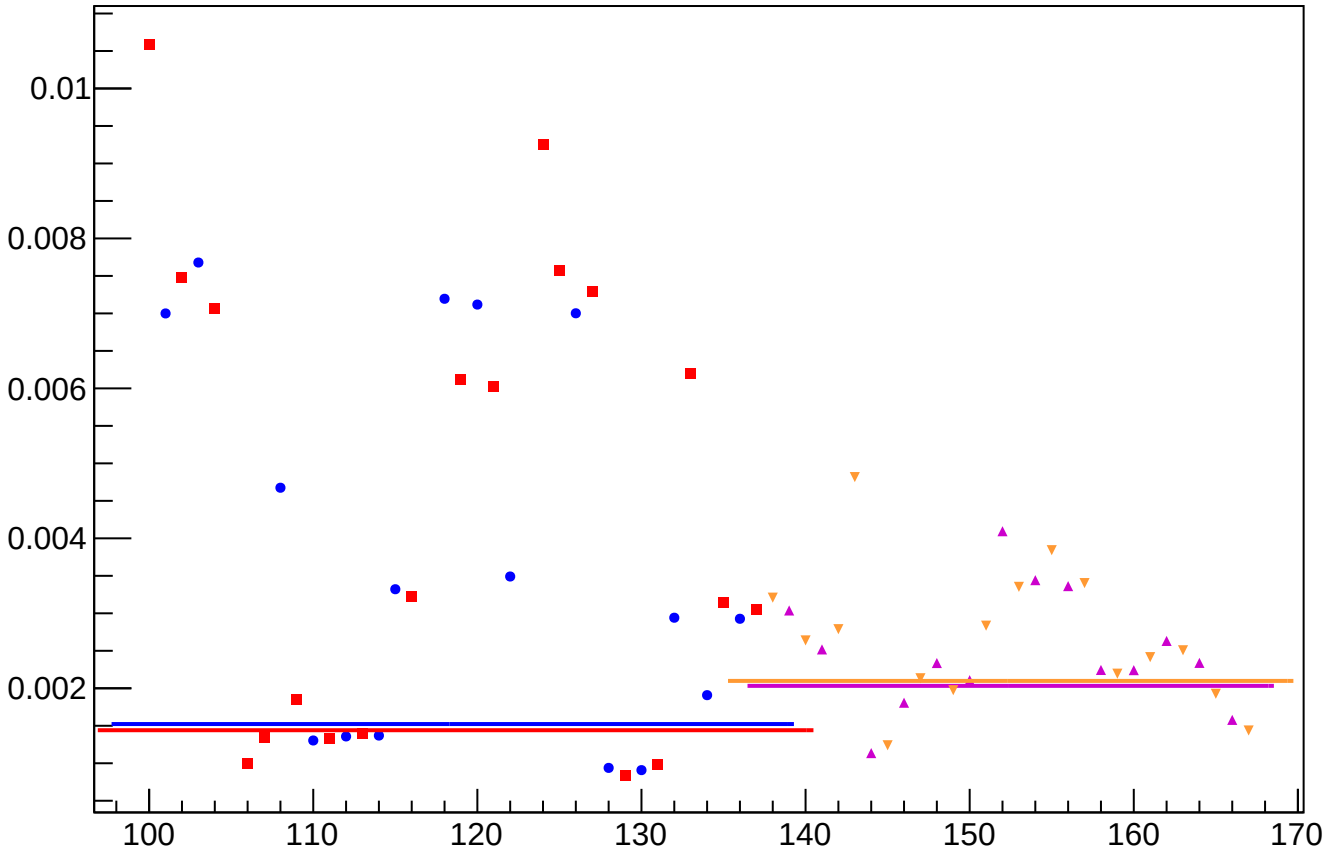
Left: 0.000+/-0.000 χ^2/NDF: 46.9/29

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:19.0/29

Out: 0.000+/-0.000 χ^2/NDF:57.1/34

All: -0.000+/-0.000 χ^2/NDF: 77.7/64



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2922315.4/15

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2425780.9/13

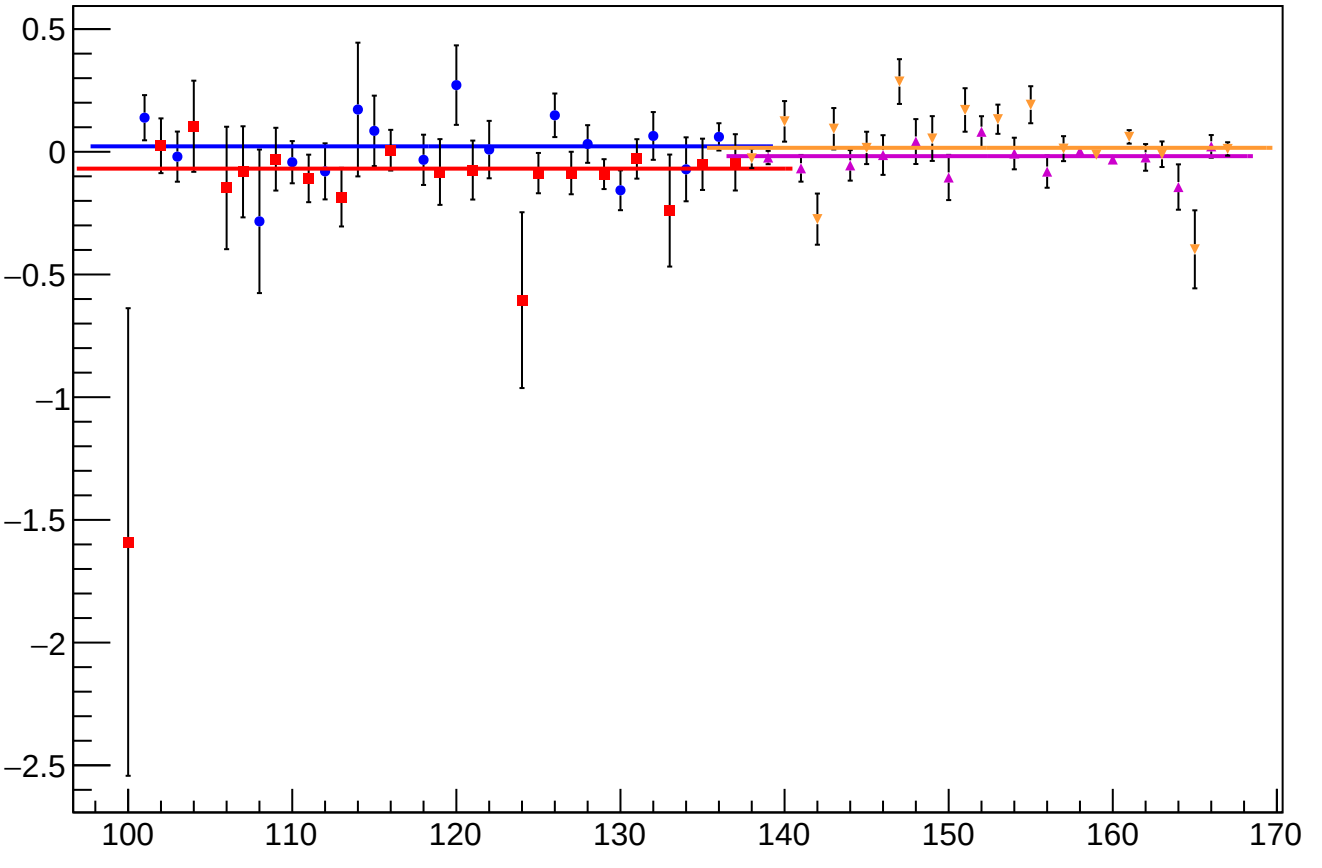
Left: 0.002+/-0.000 χ^2/NDF: 5358803.7/29

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8150074.0/29

Out: 0.002+/-0.000 χ^2/NDF:9683719.0/34

All: 0.002+/-0.000 χ^2/NDF: 17834343.7/64



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.009 χ^2/NDF:10.8/13

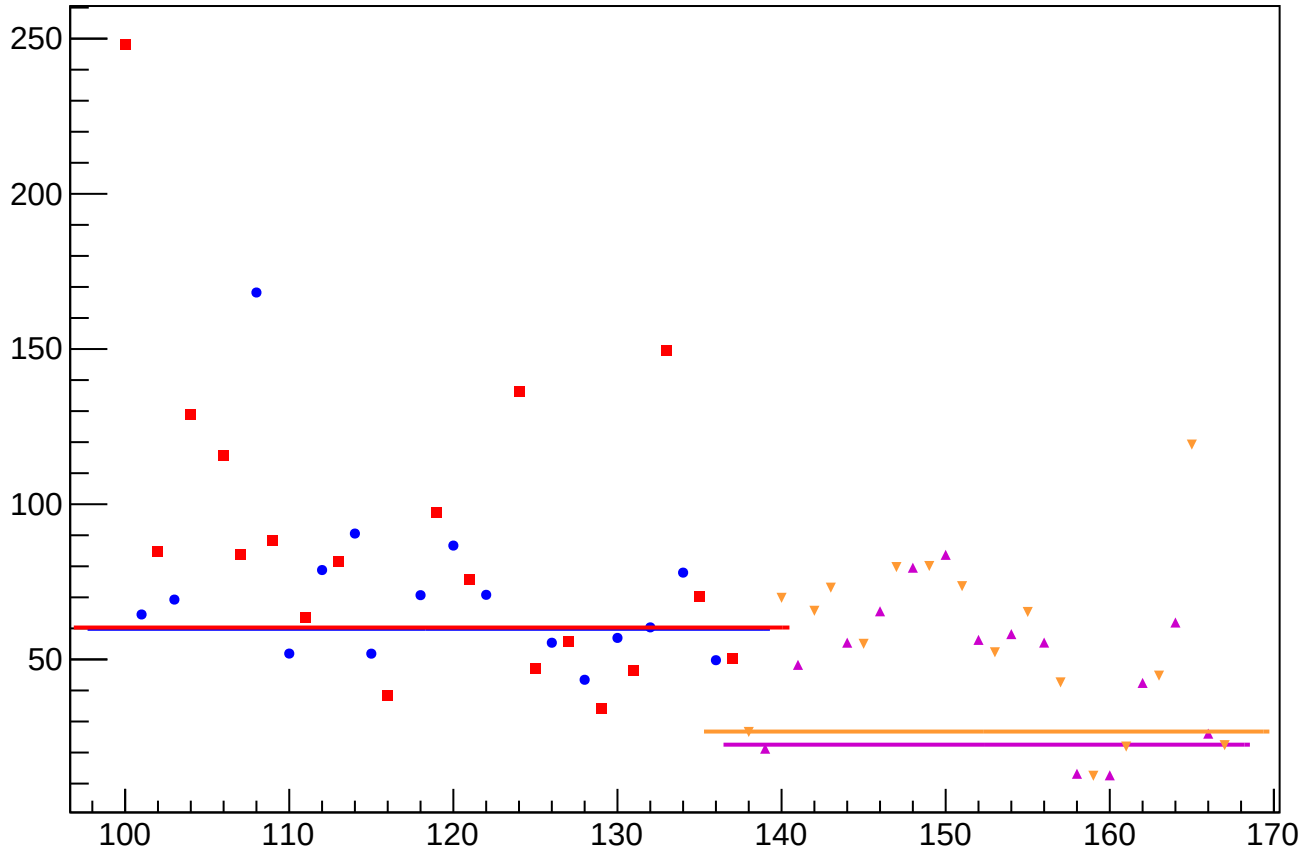
Left: -0.002+/-0.007 χ^2/NDF: 62.6/29

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:28.6/29

Out: 0.004+/-0.009 χ^2/NDF:65.0/34

All: -0.005+/-0.006 χ^2/NDF: 95.4/64



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.765+/-0.007 χ^2/NDF:7521720.5/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.537+/-0.007 χ^2/NDF:6977851.1/13

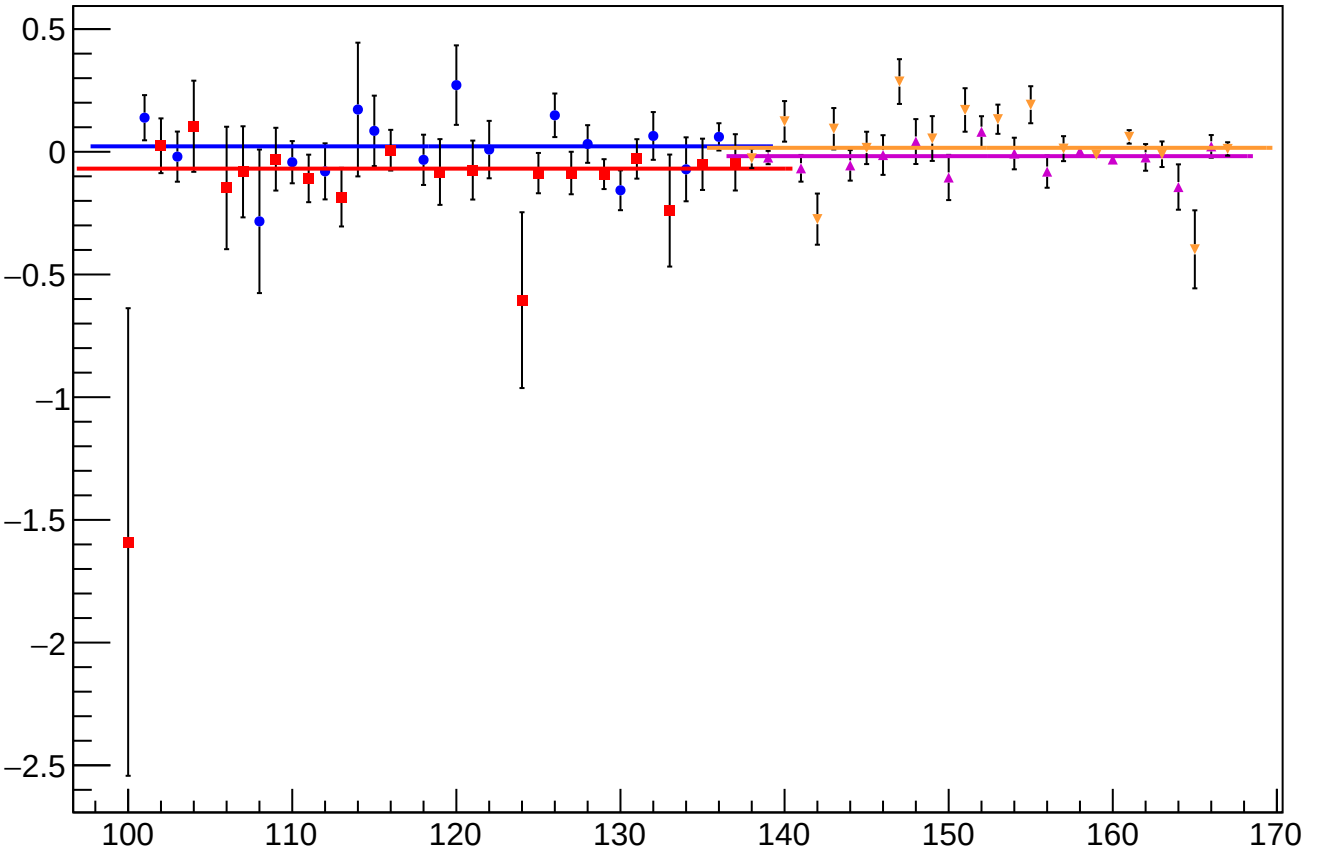
Left: 24.458+/-0.005 χ^2/NDF: 14688810.5/29

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.149+/-0.006 χ^2/NDF:11689207.5/29

Out: 31.420+/-0.007 χ^2/NDF:12526158.5/34

All: 29.109+/-0.005 χ^2/NDF: 24437828.3/64



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.009 χ^2/NDF:10.8/13

Left: -0.002+/-0.007 χ^2/NDF: 62.6/29

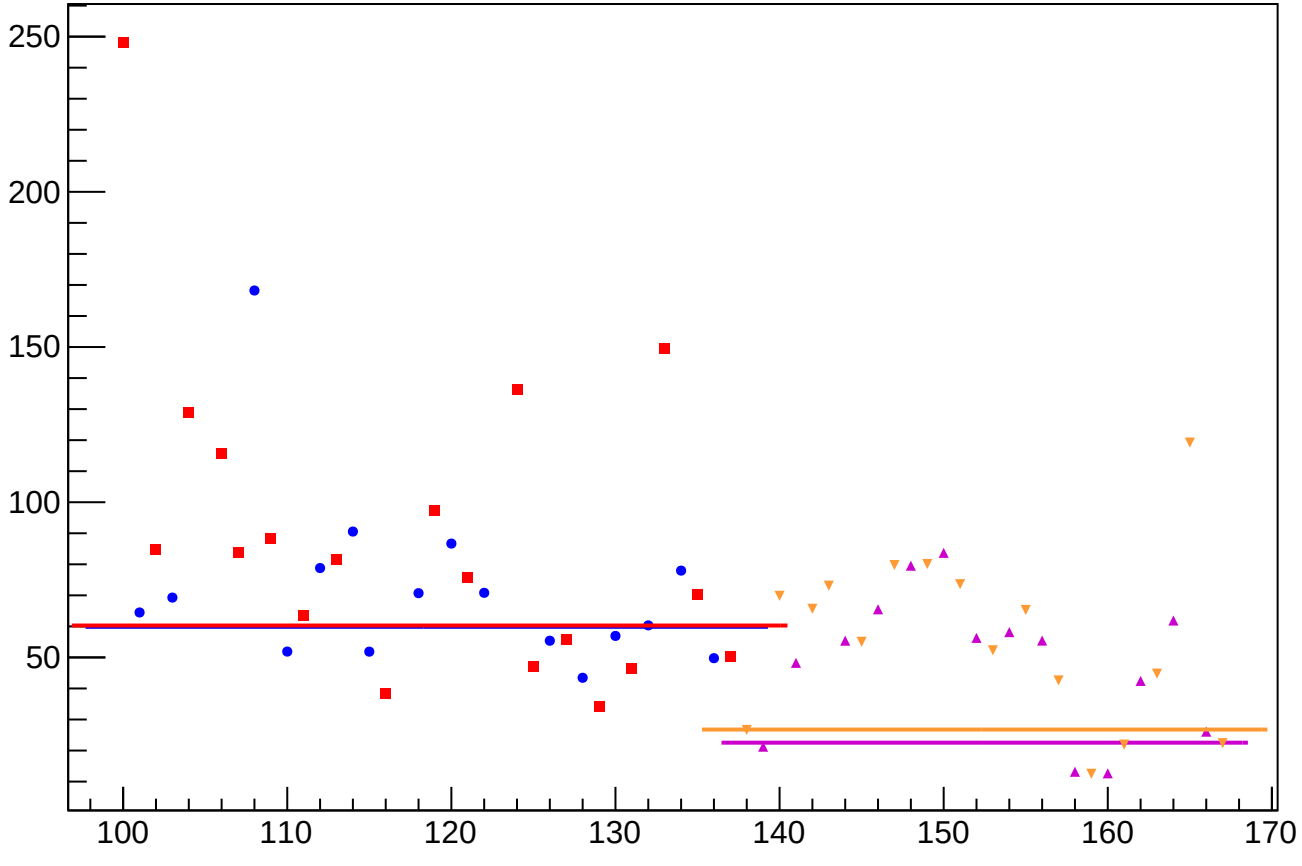
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:28.6/29

Out: 0.004+/-0.009 χ^2/NDF:65.0/34

All: -0.005+/-0.006 χ^2/NDF: 95.4/64

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.765+/-0.007 χ^2/NDF:7521720.5/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.537+/-0.007 χ^2/NDF:6977851.1/13

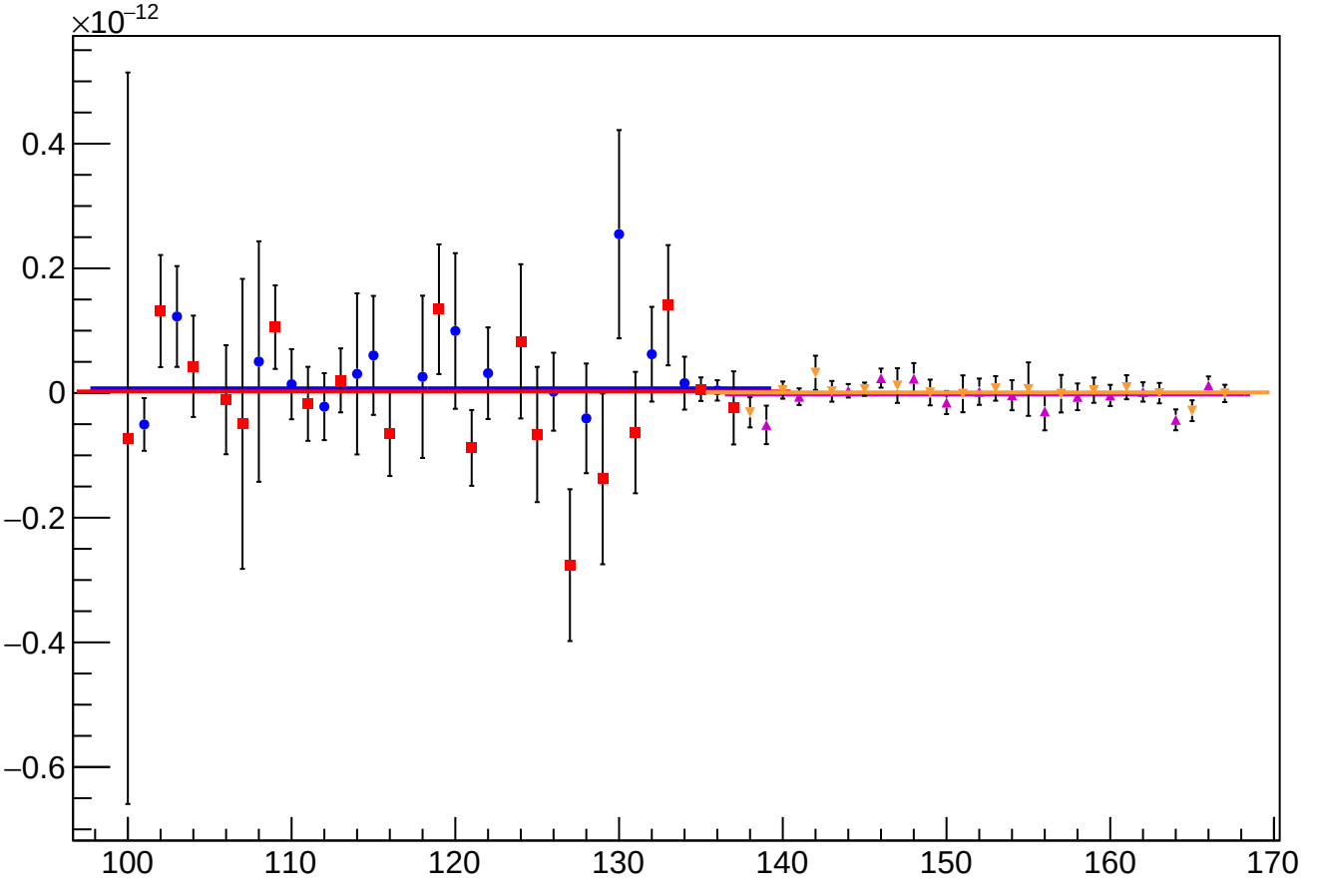
Left: 24.458+/-0.005 χ^2/NDF: 14688810.5/29

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.149+/-0.006 χ^2/NDF:11689207.5/29

Out: 31.420+/-0.007 χ^2/NDF:12526158.5/34

All: 29.109+/-0.005 χ^2/NDF: 24437828.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/13

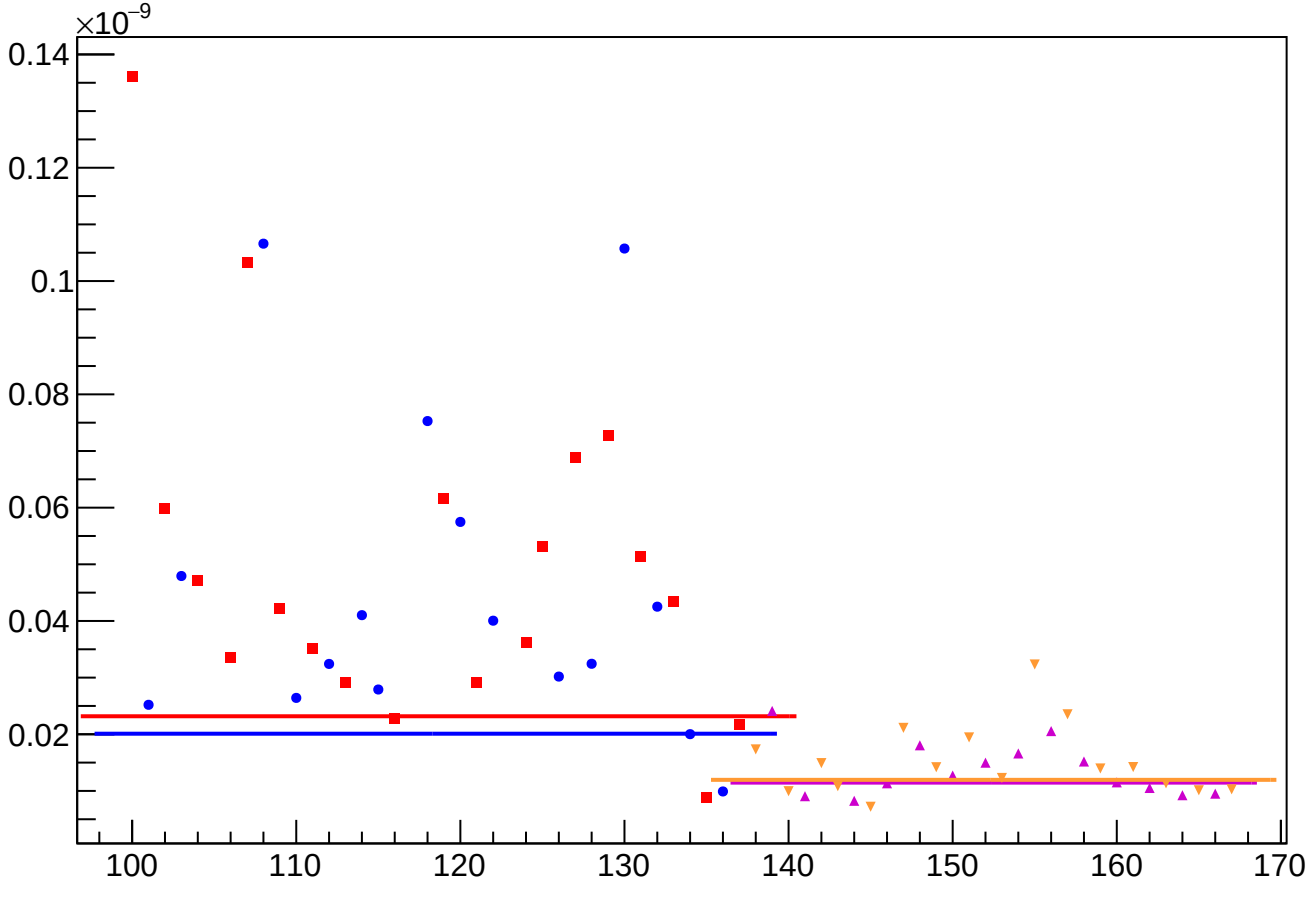
Left: -0.000+/-0.000 χ^2/NDF: 22.4/29

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:24.1/29

Out: 0.000+/-0.000 χ^2/NDF:26.7/34

All: 0.000+/-0.000 χ^2/NDF: 50.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1793655.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1187982.6/13

Left: 0.000+/-0.000 χ^2/NDF: 2993011.0/29

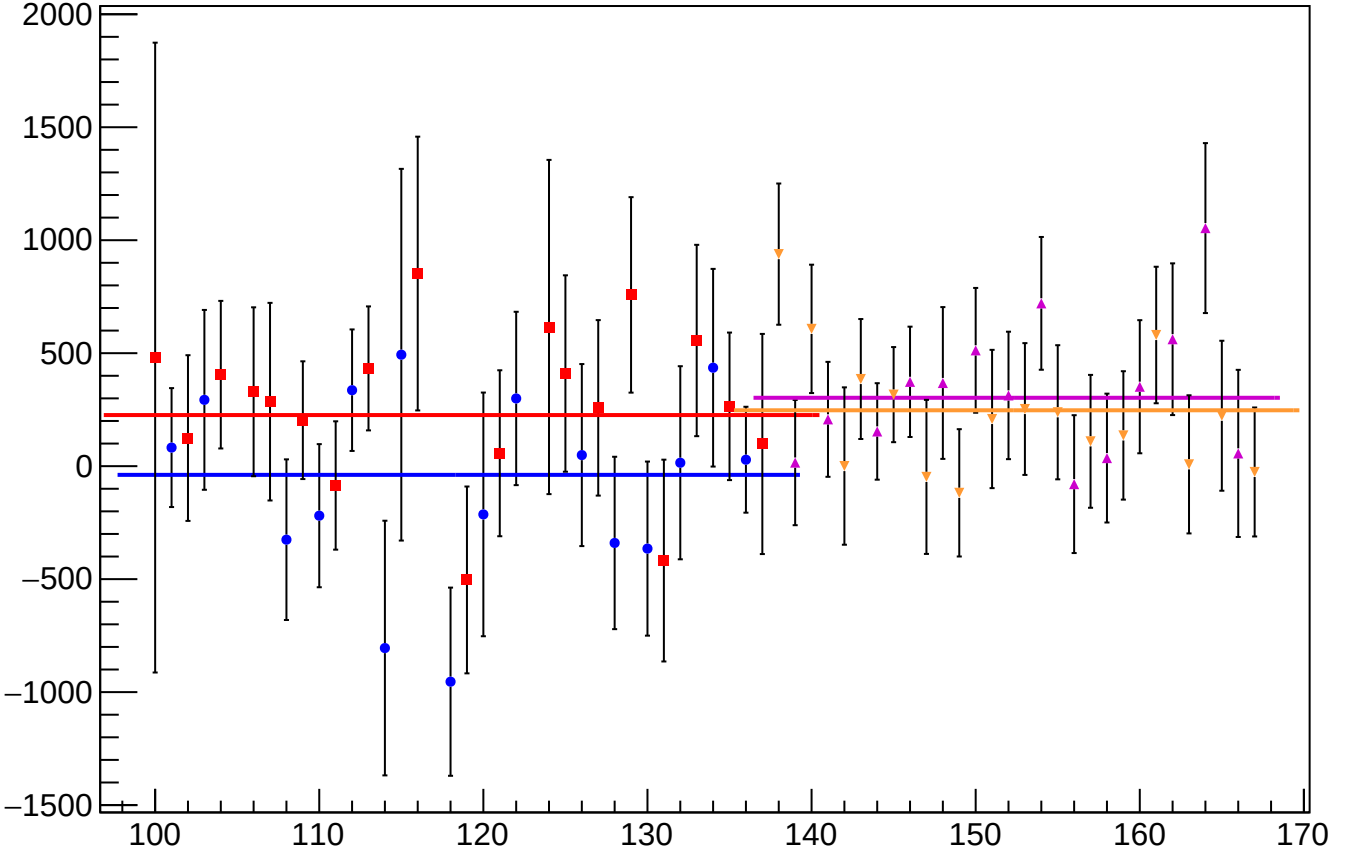
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:5192958.7/29

Out: 0.000+/-0.000 χ^2/NDF:6559413.7/34

All: 0.000+/-0.000 χ^2/NDF: 11769342.7/64

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 247.292+/-72.623 χ^2/NDF:12.9/15

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 302.620+/-76.441 χ^2/NDF:11.9/13

Left: 273.540+/-52.650 χ^2/NDF: 25.1/29

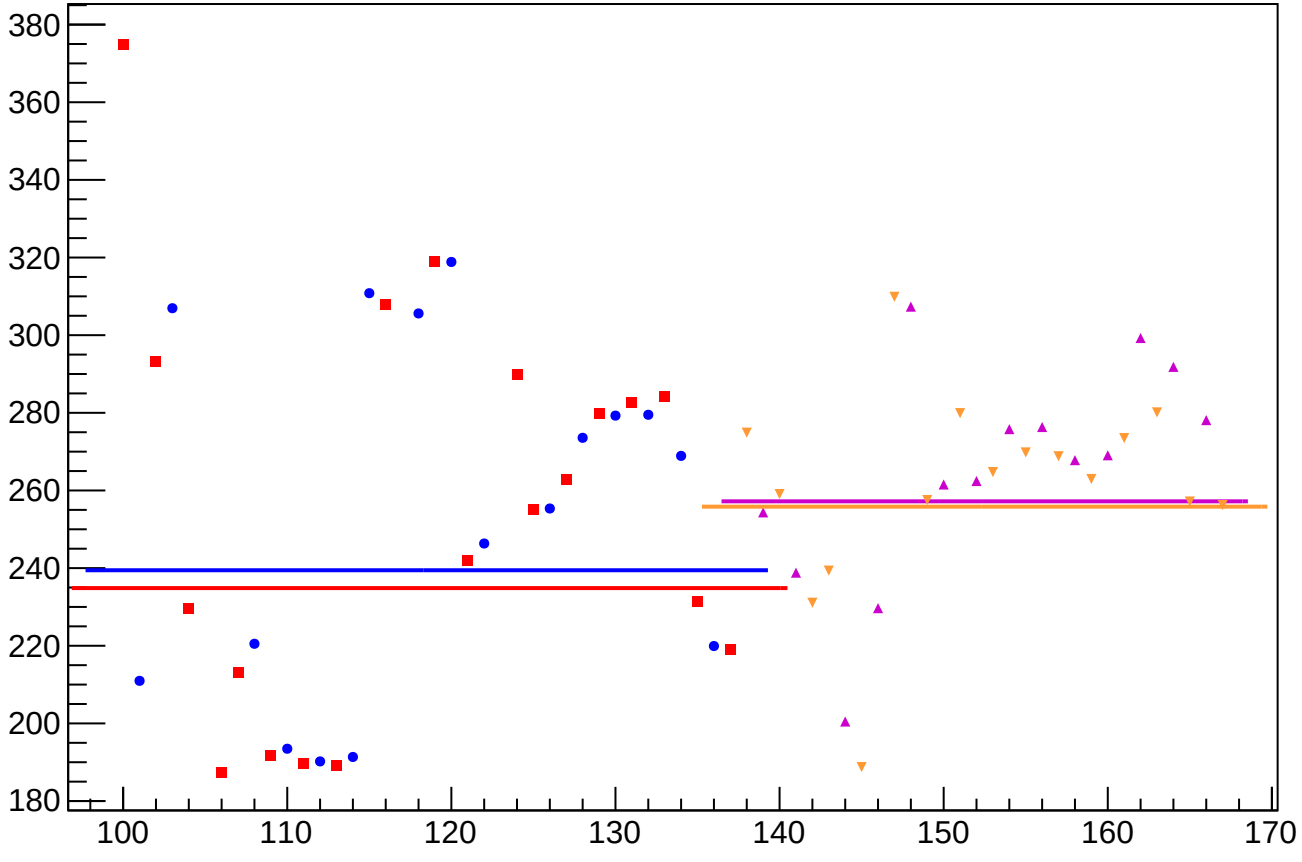
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 160.803+/-58.429 χ^2/NDF:34.7/29

Out: 238.723+/-55.988 χ^2/NDF:24.4/34

All: 201.425+/-40.425 χ^2/NDF: 60.0/64

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 255.827+/-0.051 χ^2/NDF:322364.2/15

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 257.202+/-0.054 χ^2/NDF:299585.8/13

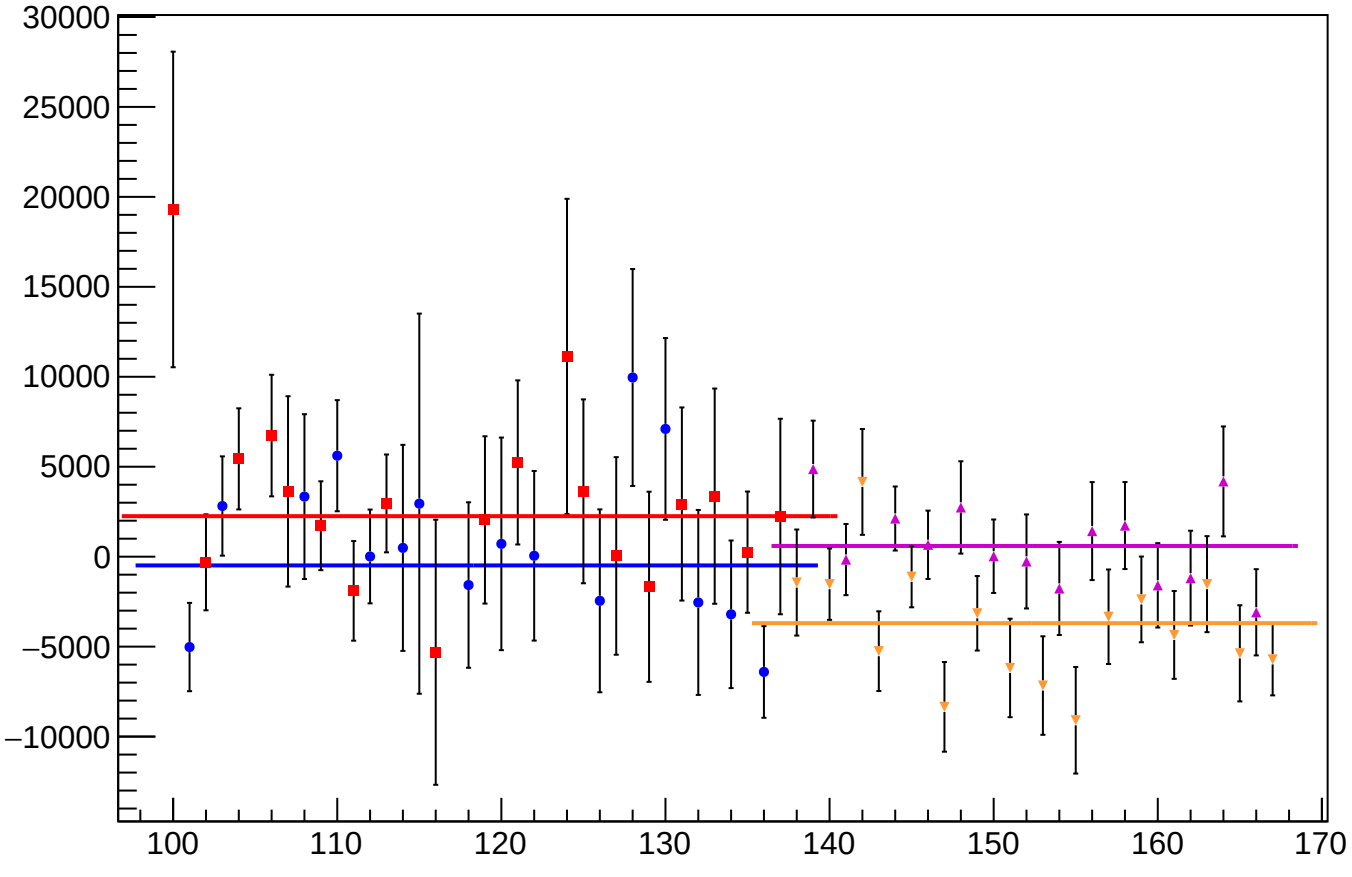
Left: 256.479+/-0.037 χ^2/NDF: 622290.1/29

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 249.821+/-0.041 χ^2/NDF:745388.7/29

Out: 247.320+/-0.040 χ^2/NDF:871737.6/34

All: 248.517+/-0.029 χ^2/NDF: 1619037.4/64



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3693.897+/-594.559 χ^2/NDF:23.5/15

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 595.033+/-621.620 χ^2/NDF:10.5/13

Left: -1644.818+/-429.665 χ^2/NDF: 58.9/29

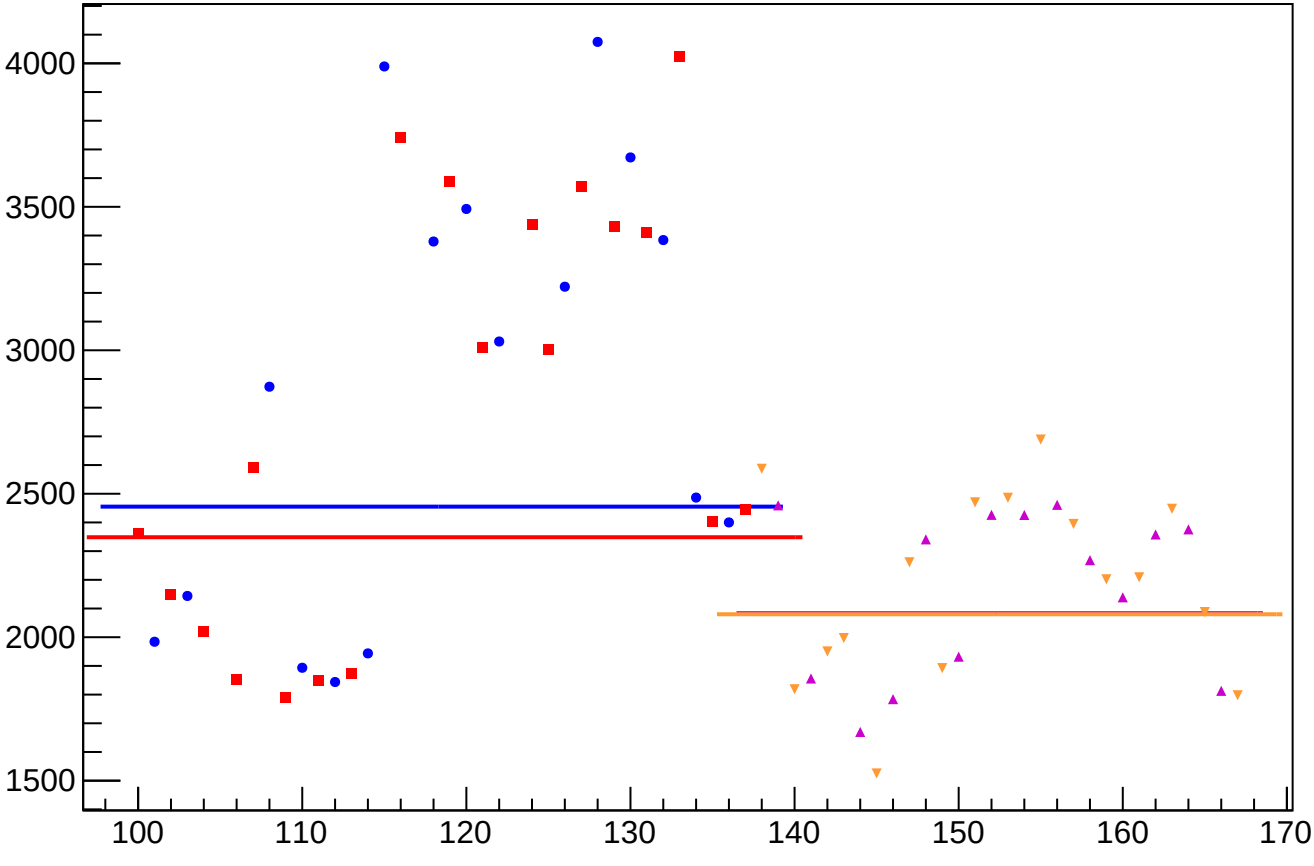
Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 269.746+/-519.742 χ^2/NDF:32.6/29

Out: -1871.033+/-495.100 χ^2/NDF:68.0/34

All: -852.594+/-358.484 χ^2/NDF: 109.5/64

asym_sam4_reg_correction_rms vs Slug, Sign Corrected



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2080.008+/-0.420 χ^2/NDF:627107.3/15

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2083.843+/-0.440 χ^2/NDF:440721.2/13

Left: 2081.841+/-0.304 χ^2/NDF: 1067868.2/29

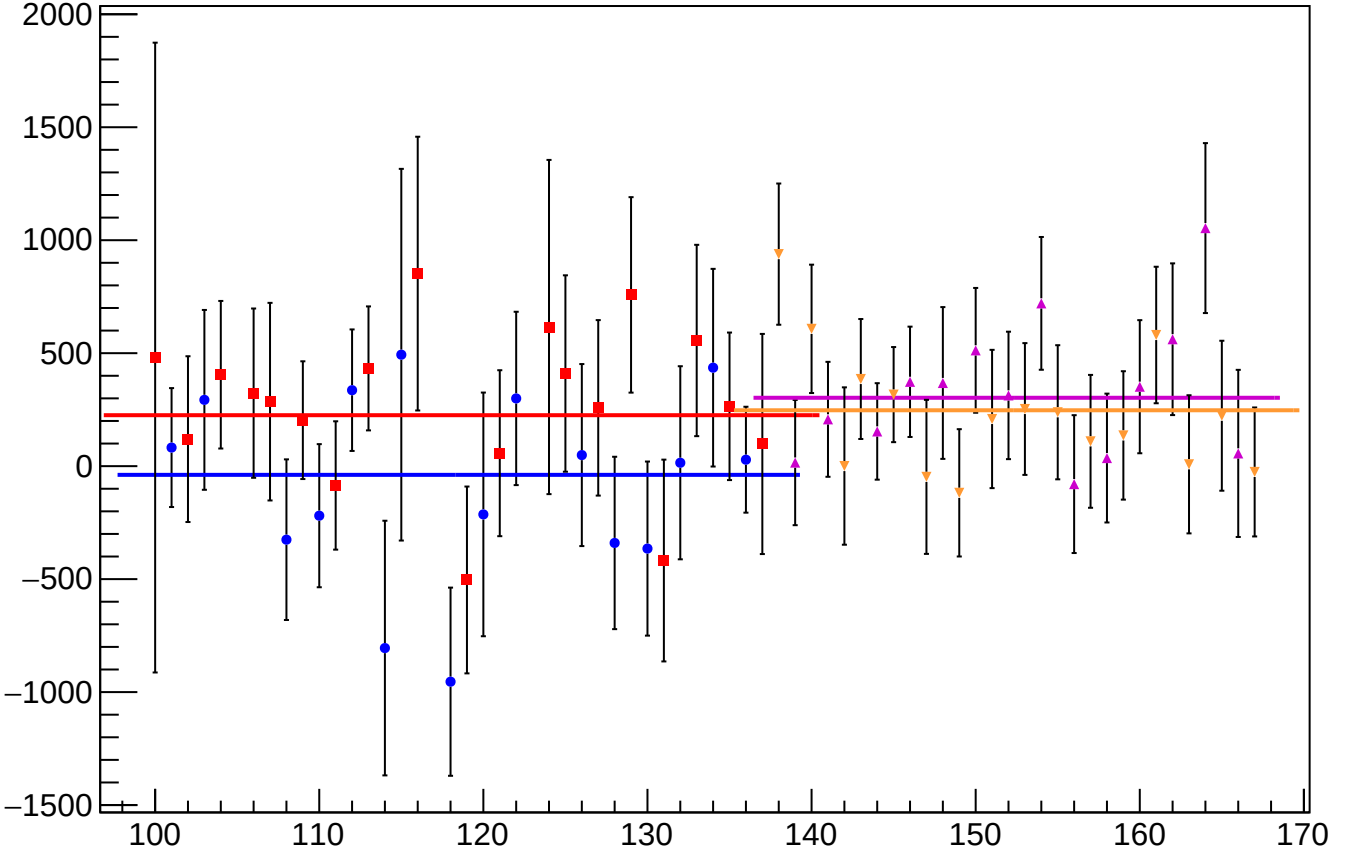
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2195.564+/-0.368 χ^2/NDF:1549790.1/29

Out: 2162.306+/-0.350 χ^2/NDF:1804517.9/34

All: 2178.128+/-0.253 χ^2/NDF: 3358601.2/64

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 247.303+/-72.623 χ^2/NDF:12.9/15

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 302.622+/-76.441 χ^2/NDF:11.9/13

Left: 273.546+/-52.650 χ^2/NDF: 25.1/29

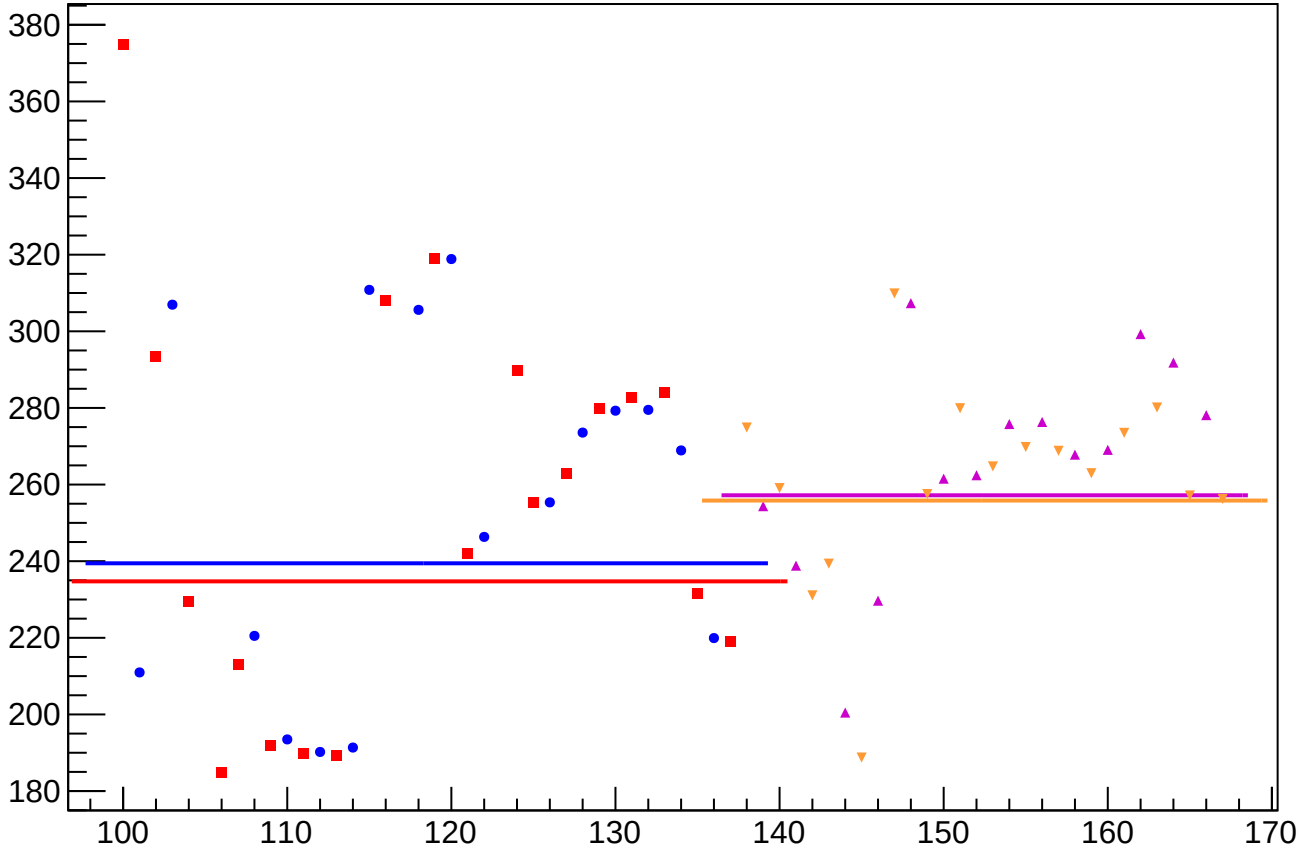
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 160.795+/-58.429 χ^2/NDF:34.7/29

Out: 238.466+/-55.992 χ^2/NDF:24.4/34

All: 201.284+/-40.426 χ^2/NDF: 60.0/64

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.827+/-0.051 χ^2/NDF:322364.2/15

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 257.202+/-0.054 χ^2/NDF:299585.8/13

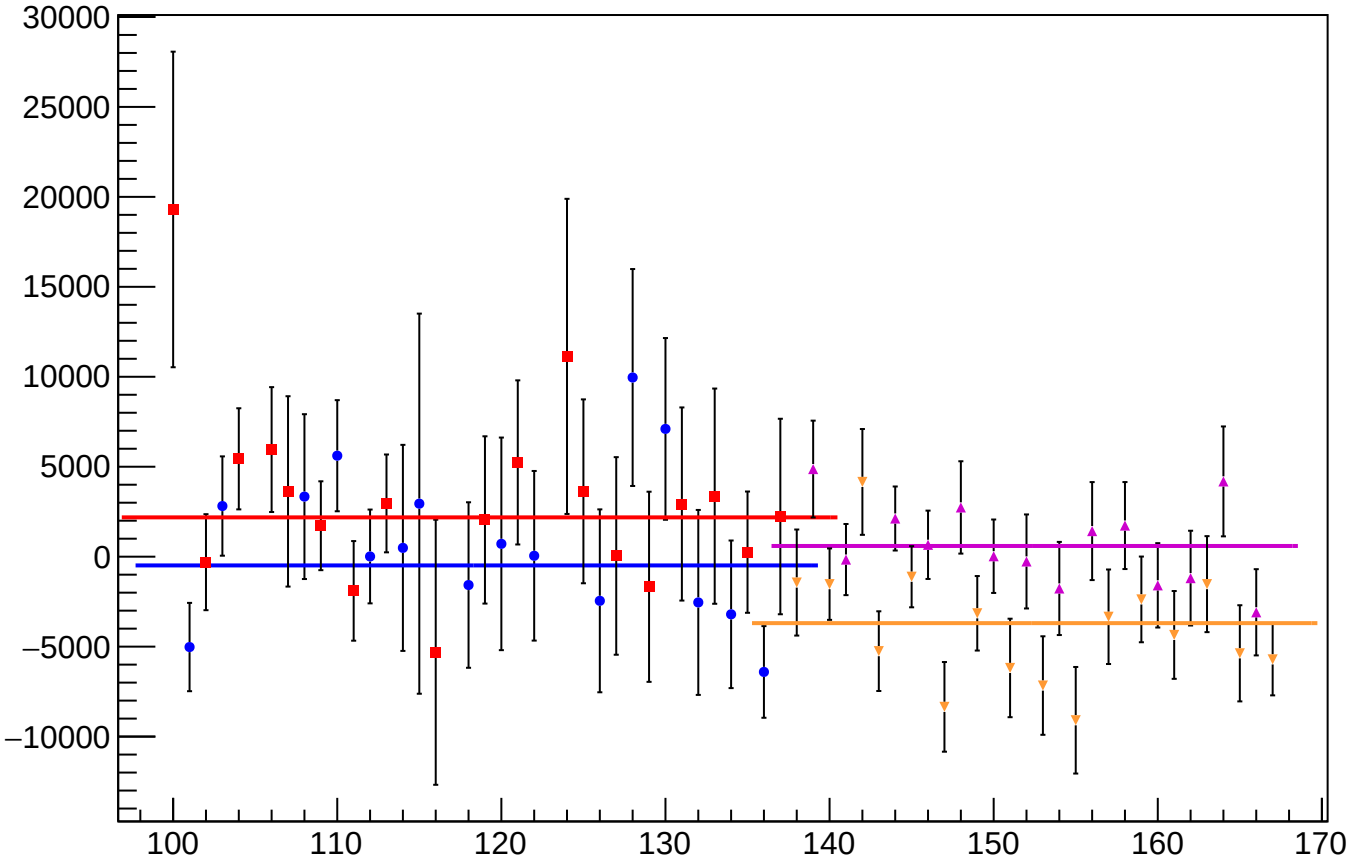
Left: 256.479+/-0.037 χ^2/NDF: 622290.1/29

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.821+/-0.041 χ^2/NDF:745390.8/29

Out: 247.272+/-0.040 χ^2/NDF:876035.6/34

All: 248.492+/-0.029 χ^2/NDF: 1623411.2/64



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3693.880+/-594.559 χ^2/NDF:23.5/15

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 595.046+/-621.620 χ^2/NDF:10.5/13

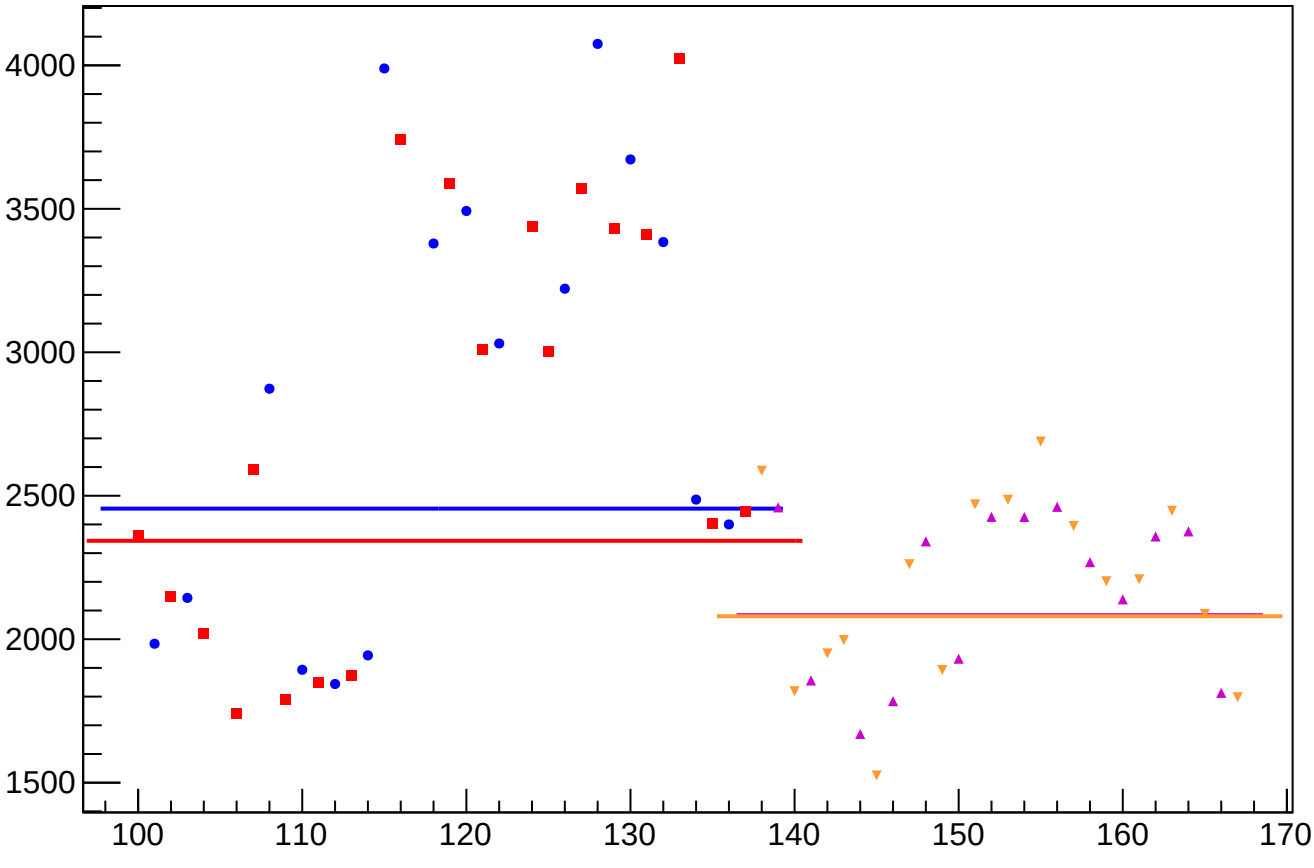
Left: -1644.804+/-429.665 χ^2/NDF: 58.9/29

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 269.708+/-519.743 χ^2/NDF:32.6/29

Out: -1896.302+/-495.386 χ^2/NDF:66.6/34

All: -865.238+/-358.593 χ^2/NDF: 108.3/64



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2080.008+/-0.420 χ^2/NDF:627109.6/15

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2083.844+/-0.440 χ^2/NDF:440718.9/13

Left: 2081.841+/-0.304 χ^2/NDF: 1067868.3/29

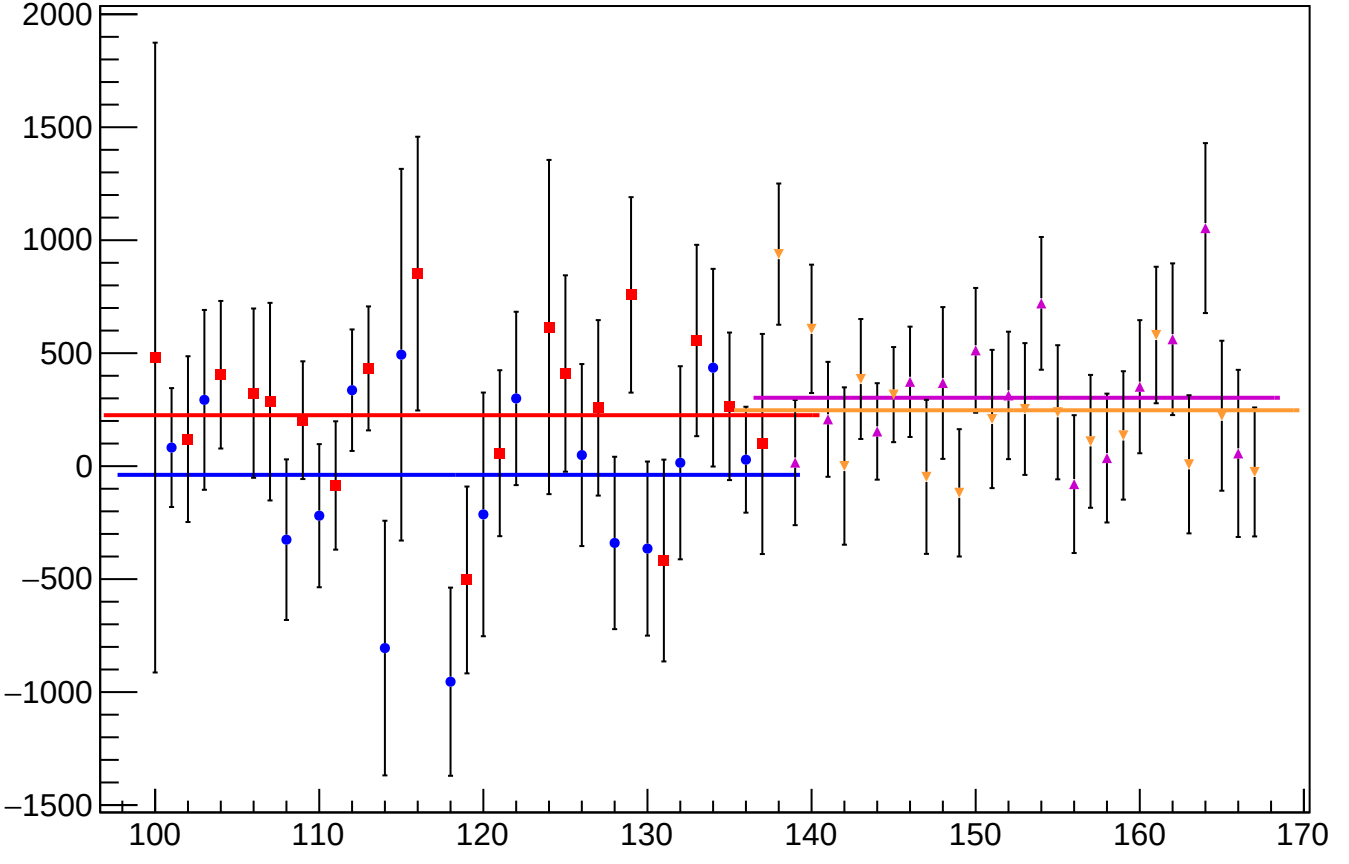
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2195.570+/-0.368 χ^2/NDF:1549781.2/29

Out: 2160.411+/-0.350 χ^2/NDF:1817111.9/34

All: 2177.148+/-0.254 χ^2/NDF: 3371688.6/64

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 247.303+/-72.623 χ^2/NDF:12.9/15

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 302.622+/-76.441 χ^2/NDF:11.9/13

Left: 273.546+/-52.650 χ^2/NDF: 25.1/29

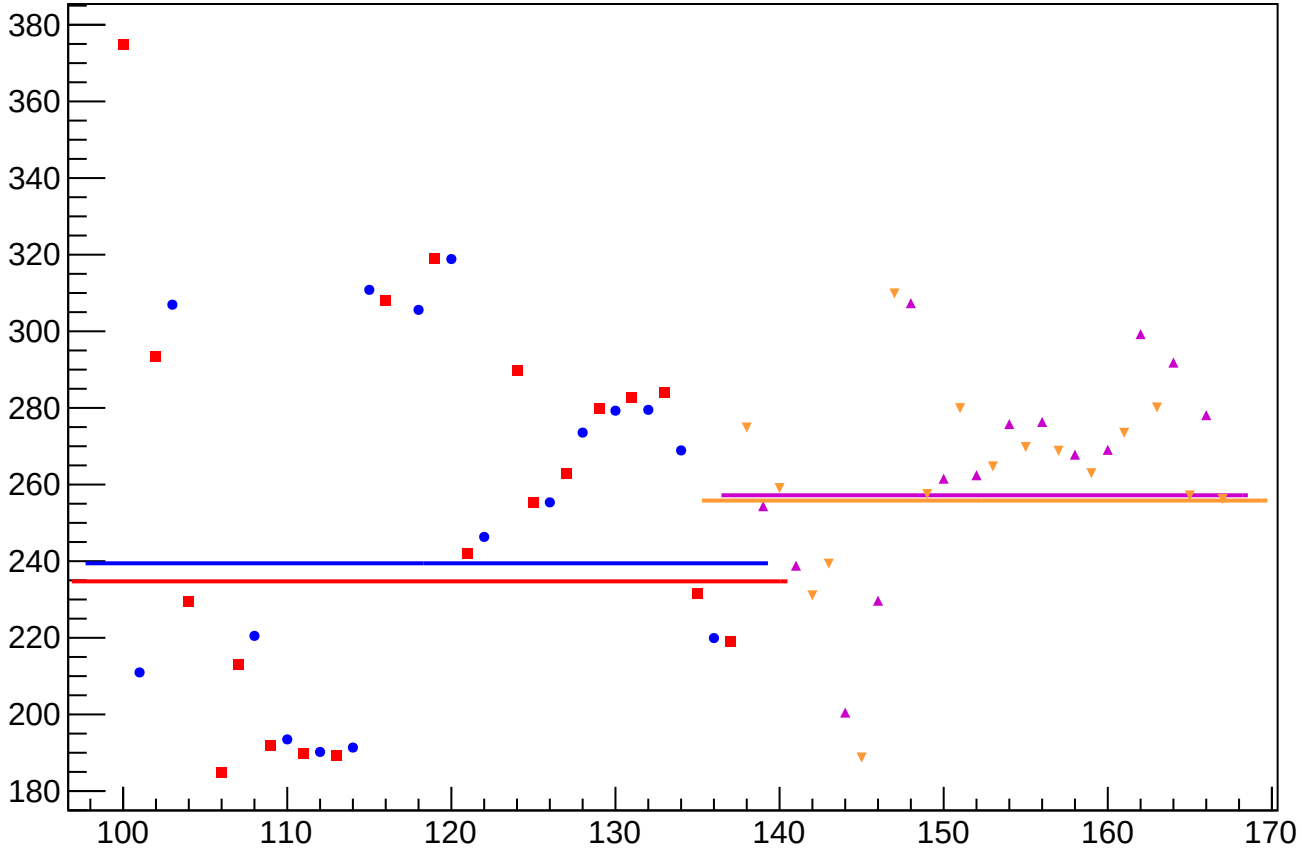
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 160.795+/-58.429 χ^2/NDF:34.7/29

Out: 238.466+/-55.992 χ^2/NDF:24.4/34

All: 201.284+/-40.426 χ^2/NDF: 60.0/64

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.827+/-0.051 χ^2/NDF:322364.2/15

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 257.202+/-0.054 χ^2/NDF:299585.8/13

Left: 256.479+/-0.037 χ^2/NDF: 622290.1/29

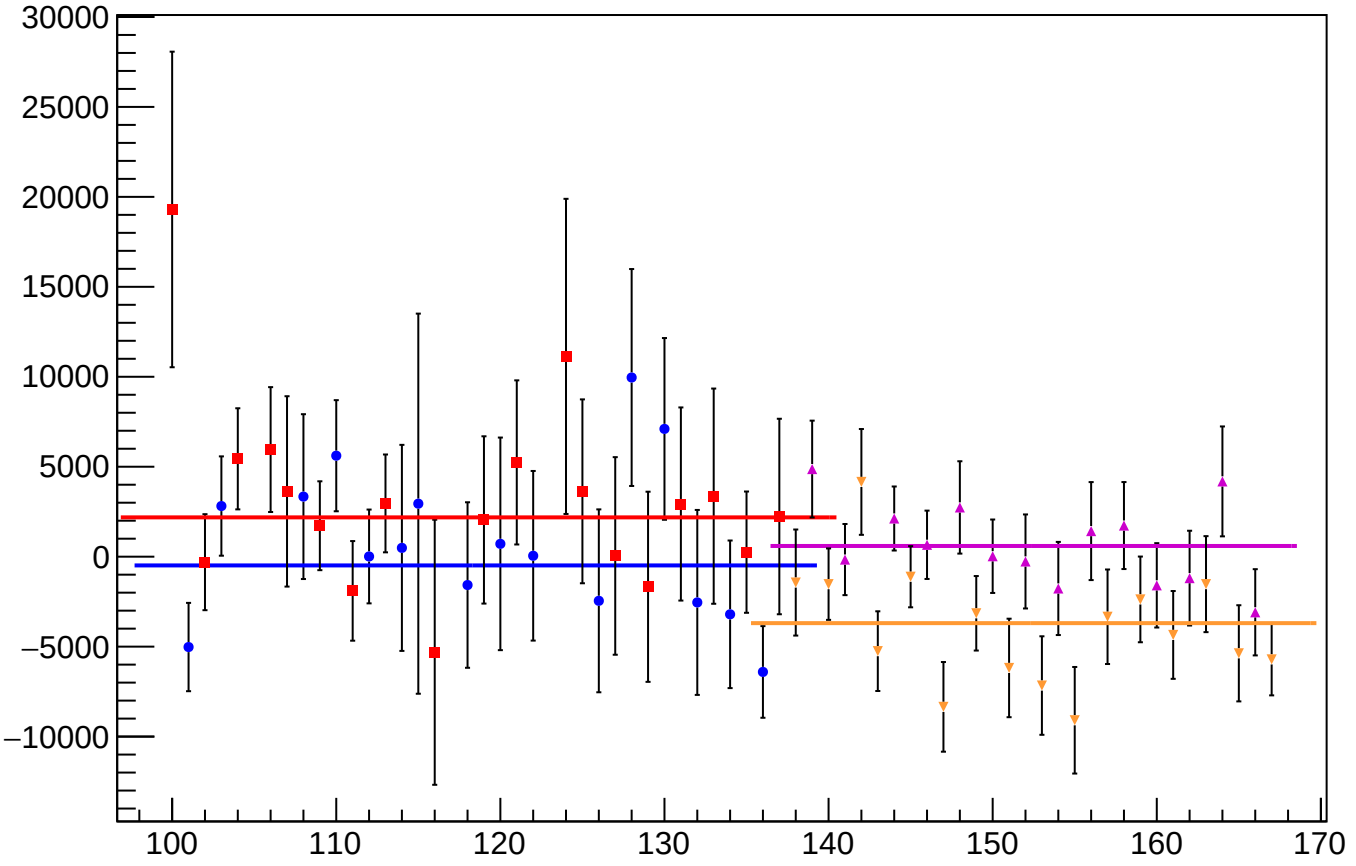
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.821+/-0.041 χ^2/NDF:745390.8/29

Out: 247.272+/-0.040 χ^2/NDF:876035.6/34

All: 248.492+/-0.029 χ^2/NDF: 1623411.2/64

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3693.880+/-594.559 χ^2/NDF:23.5/15

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 595.046+/-621.620 χ^2/NDF:10.5/13

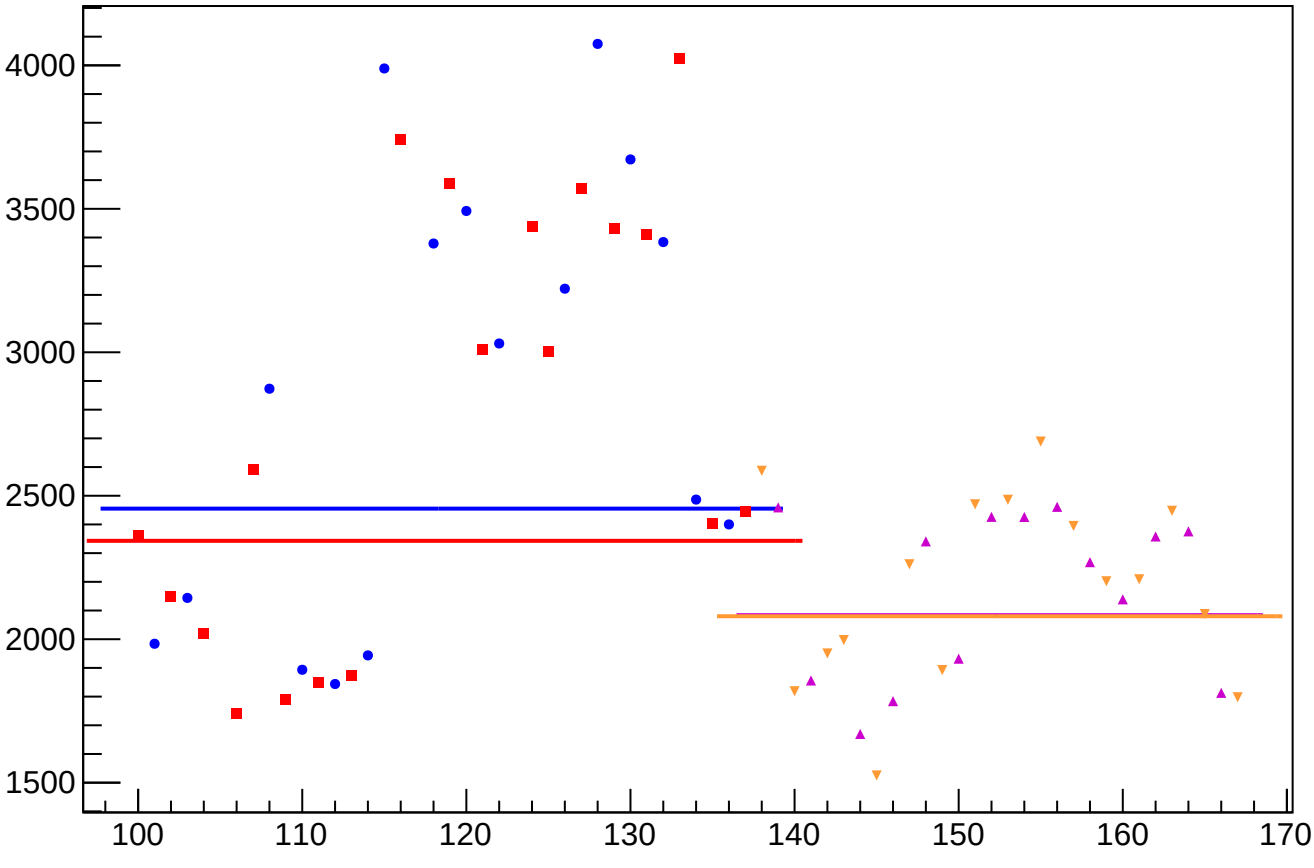
Left: -1644.804+/-429.665 χ^2/NDF: 58.9/29

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 269.708+/-519.743 χ^2/NDF:32.6/29

Out: -1896.302+/-495.386 χ^2/NDF:66.6/34

All: -865.238+/-358.593 χ^2/NDF: 108.3/64



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2080.008+/-0.420 χ^2/NDF:627109.6/15

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2083.844+/-0.440 χ^2/NDF:440718.9/13

Left: 2081.841+/-0.304 χ^2/NDF: 1067868.3/29

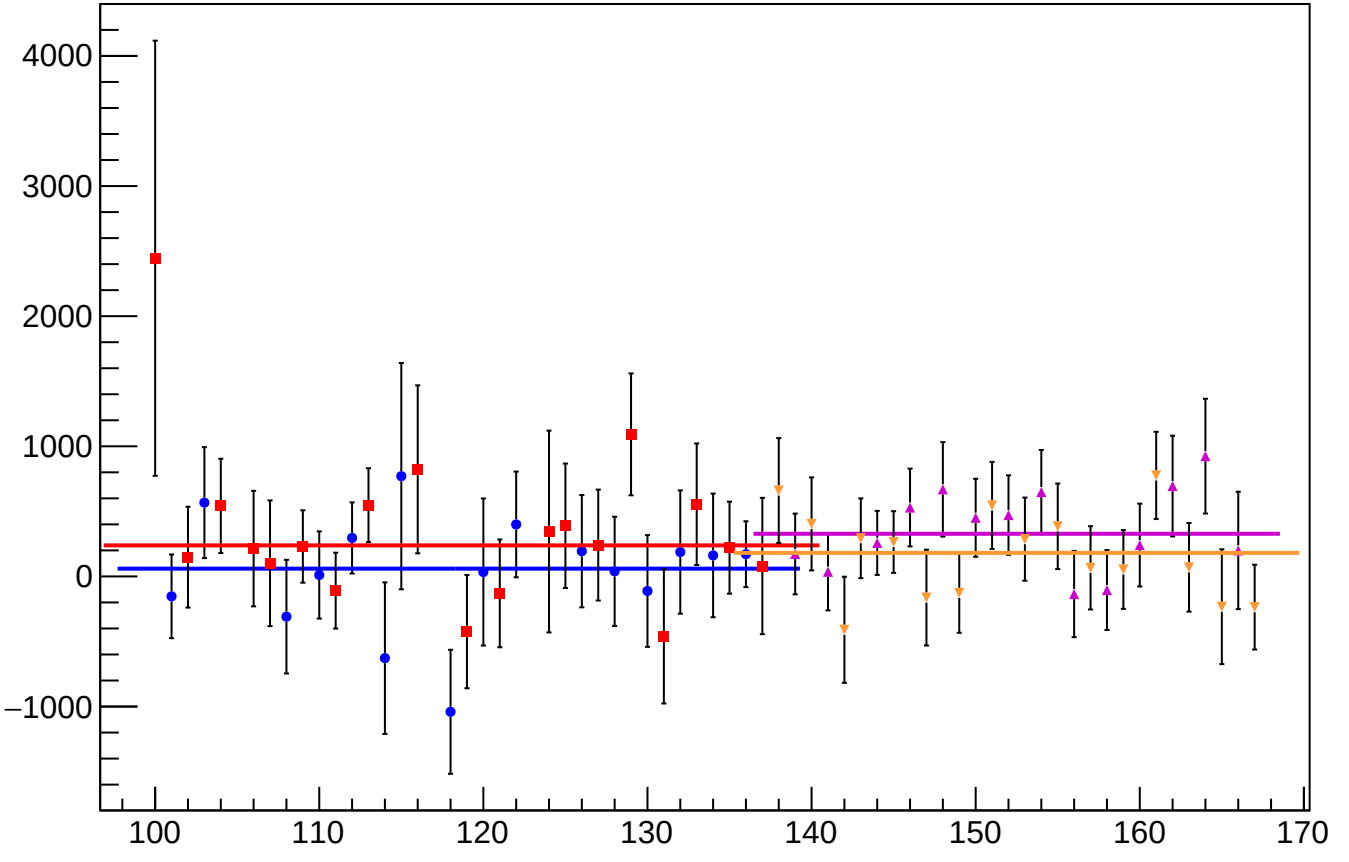
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2195.570+/-0.368 χ^2/NDF:1549781.2/29

Out: 2160.411+/-0.350 χ^2/NDF:1817111.9/34

All: 2177.148+/-0.254 χ^2/NDF: 3371688.6/64

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 180.830+/-82.428 χ^2/NDF:13.8/15

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 327.687+/-86.162 χ^2/NDF:10.8/13

Left: 251.008+/-59.562 χ^2/NDF: 26.2/29

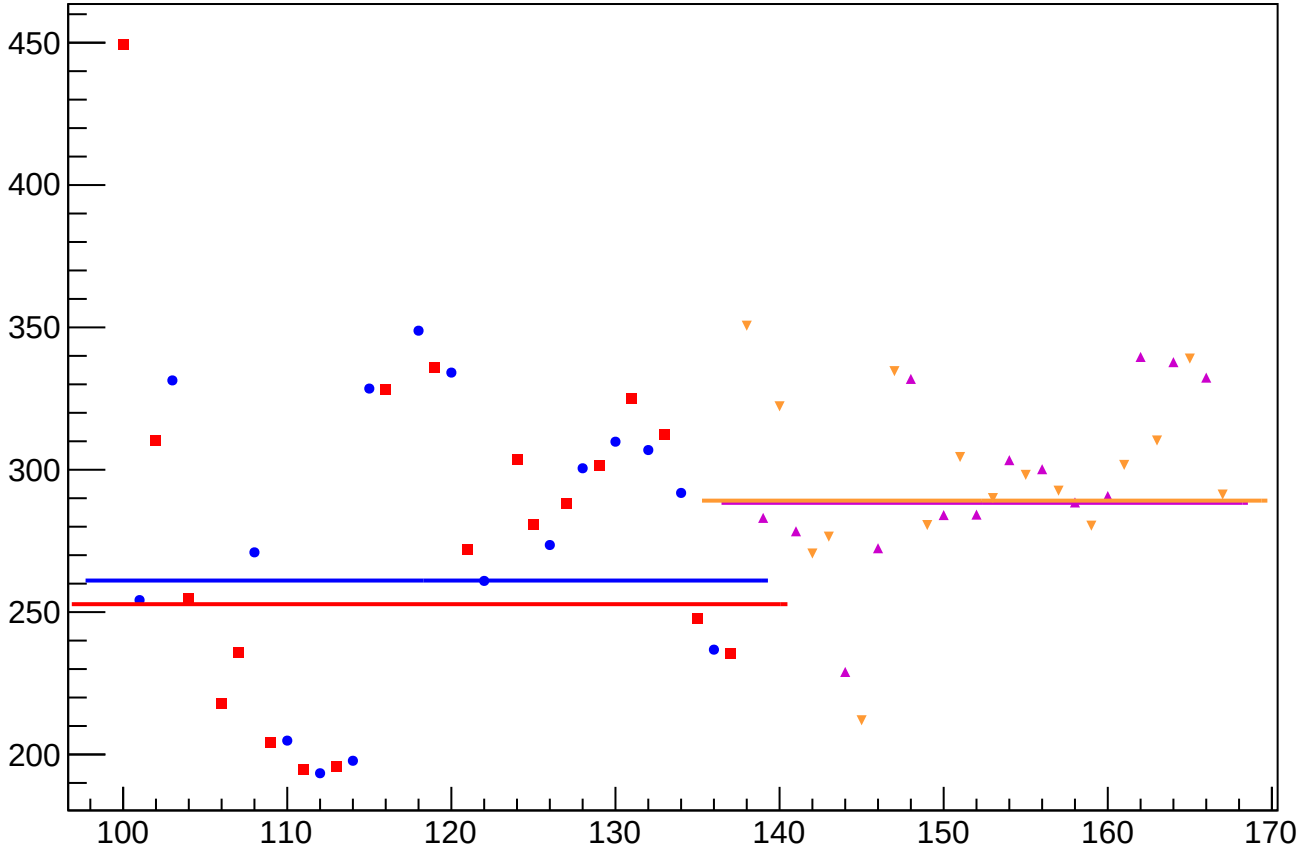
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 212.502+/-65.059 χ^2/NDF:27.0/29

Out: 205.587+/-62.277 χ^2/NDF:29.0/34

All: 208.894+/-44.988 χ^2/NDF: 55.9/64

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 289.157+/-0.058 χ^2/NDF:359169.1/15

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 288.382+/-0.061 χ^2/NDF:240713.9/13

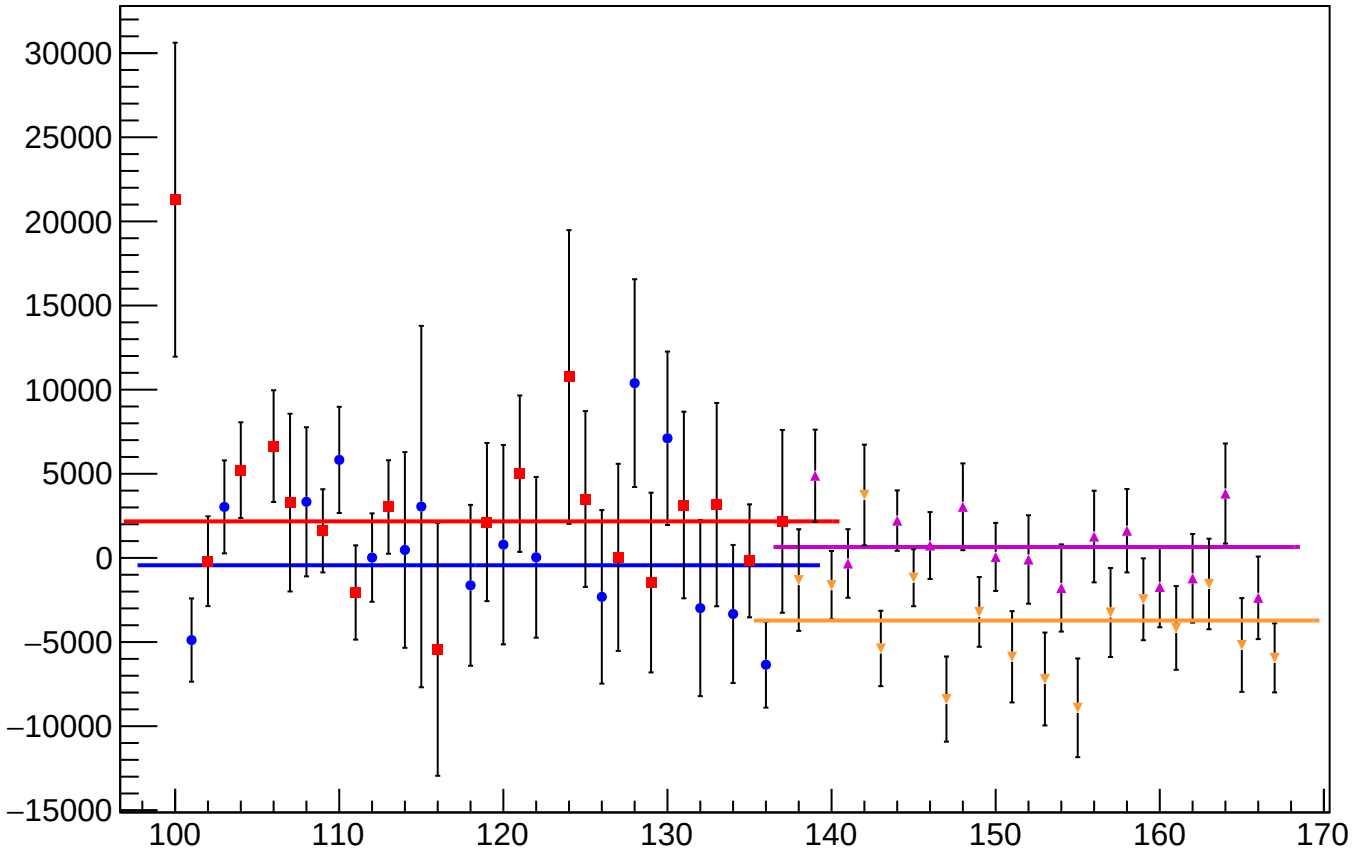
Left: 288.786+/-0.042 χ^2/NDF: 599967.5/29

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 276.650+/-0.046 χ^2/NDF:789640.1/29

Out: 273.548+/-0.044 χ^2/NDF:1063566.7/34

All: 275.031+/-0.032 χ^2/NDF: 1855579.2/64



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3719.876+/-601.757 χ^2/NDF:22.0/15

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 649.974+/-629.804 χ^2/NDF:9.6/13

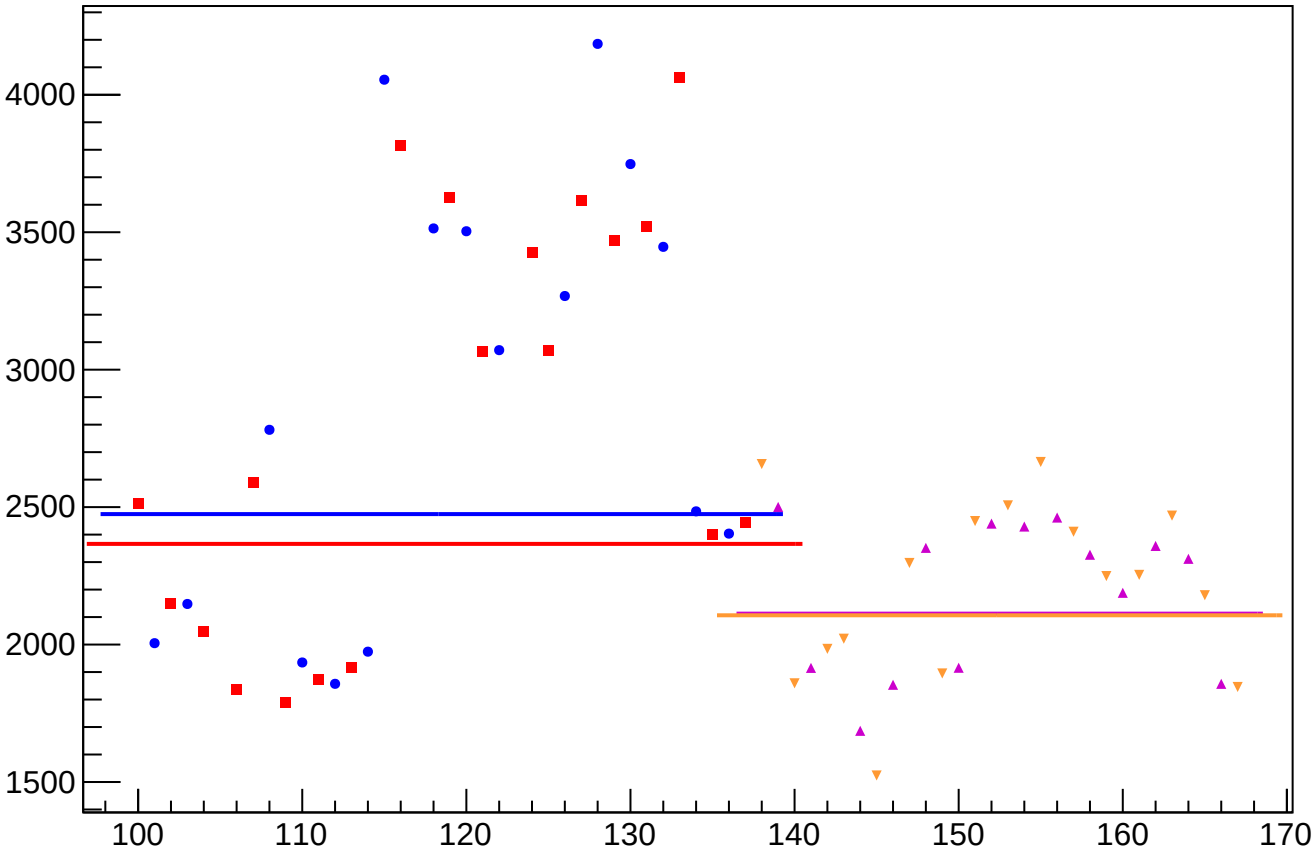
Left: -1634.415+/-435.084 χ^2/NDF: 56.8/29

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 320.663+/-525.788 χ^2/NDF:31.7/29

Out: -1902.690+/-500.430 χ^2/NDF:65.5/34

All: -845.919+/-362.491 χ^2/NDF: 106.7/64



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2106.482+/-0.426 χ^2/NDF:627330.9/15

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2112.477+/-0.445 χ^2/NDF:400871.1/13

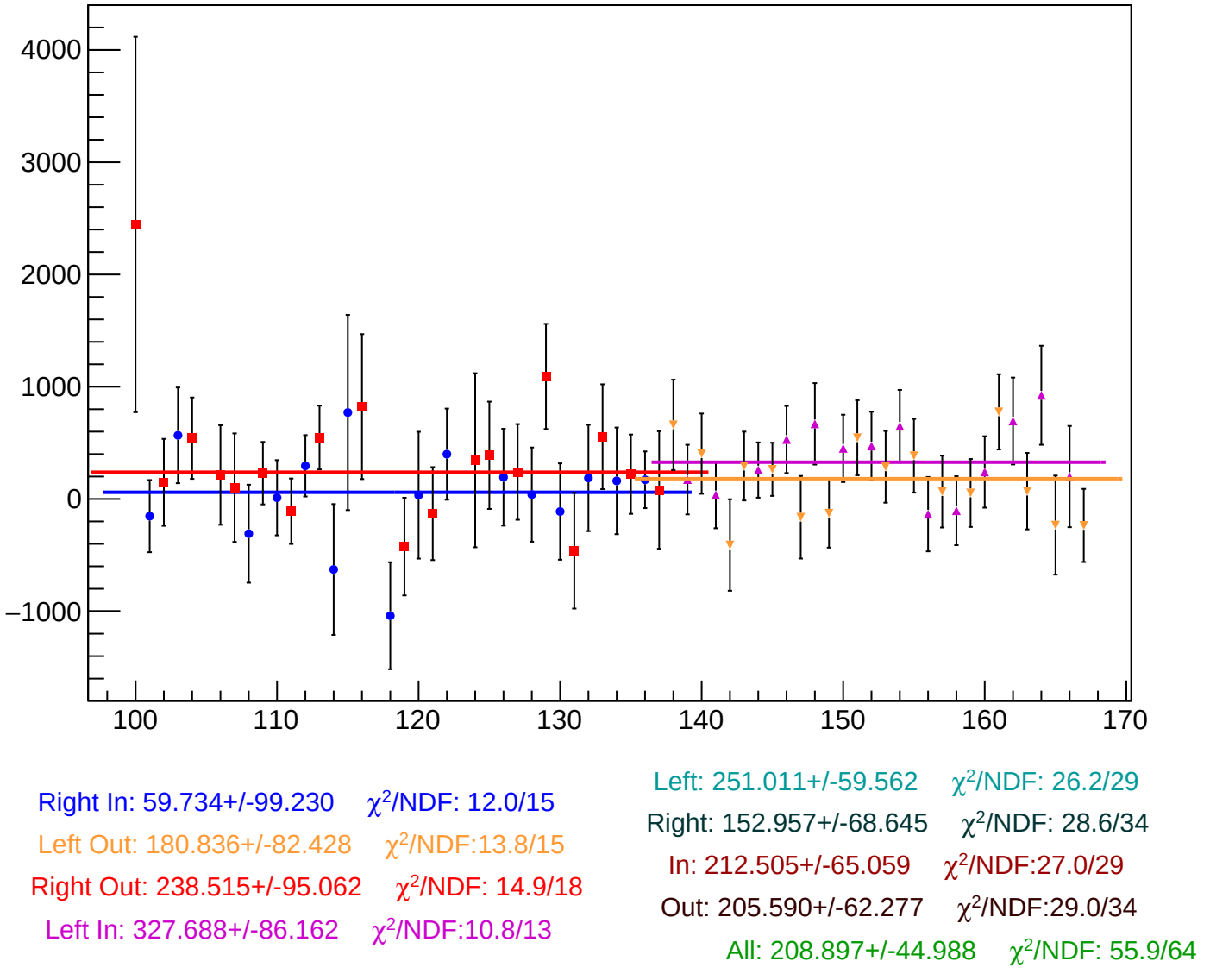
Left: 2109.343+/-0.308 χ^2/NDF: 1028296.8/29

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

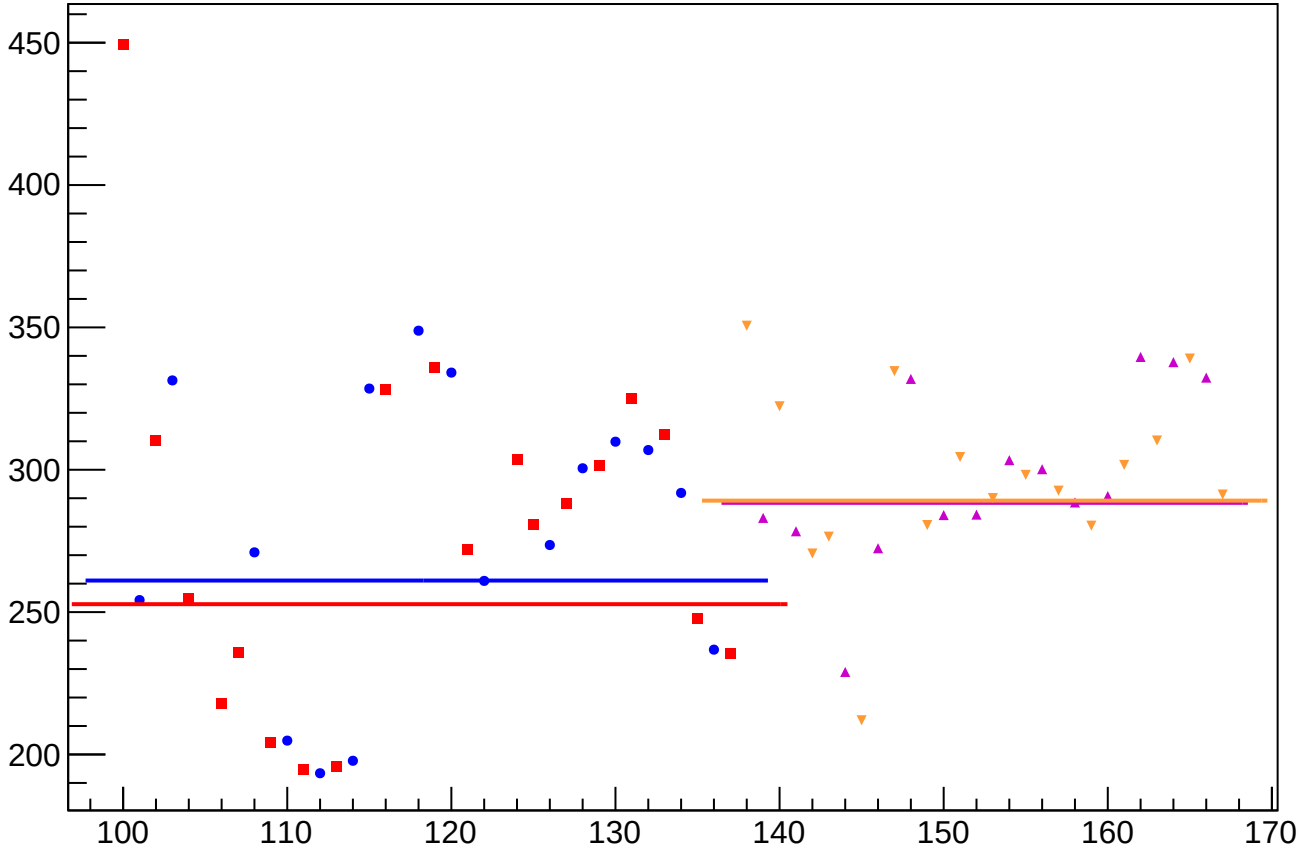
In: 2222.220+/-0.372 χ^2/NDF:1517511.9/29

Out: 2186.590+/-0.354 χ^2/NDF:1819428.1/34

All: 2203.525+/-0.256 χ^2/NDF: 3341758.9/64


eigen_dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
170
Right In: 59.734+/-99.230 χ²/NDF: 12.0/15
Left Out: 180.836+/-82.428 χ²/NDF:13.8/15
Right Out: 238.515+/-95.062 χ²/NDF: 14.9/18
Left In: 327.688+/-86.162 χ²/NDF:10.8/13
Left: 251.011+/-59.562 χ²/NDF: 26.2/29
Right: 152.957+/-68.645 χ²/NDF: 28.6/34
In: 212.505+/-65.059 χ²/NDF:27.0/29
Out: 205.590+/-62.277 χ²/NDF:29.0/34
All: 208.897+/-44.988 χ²/NDF: 55.9/64

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 289.157+/-0.058 χ^2/NDF:359165.6/15

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 288.382+/-0.061 χ^2/NDF:240711.8/13

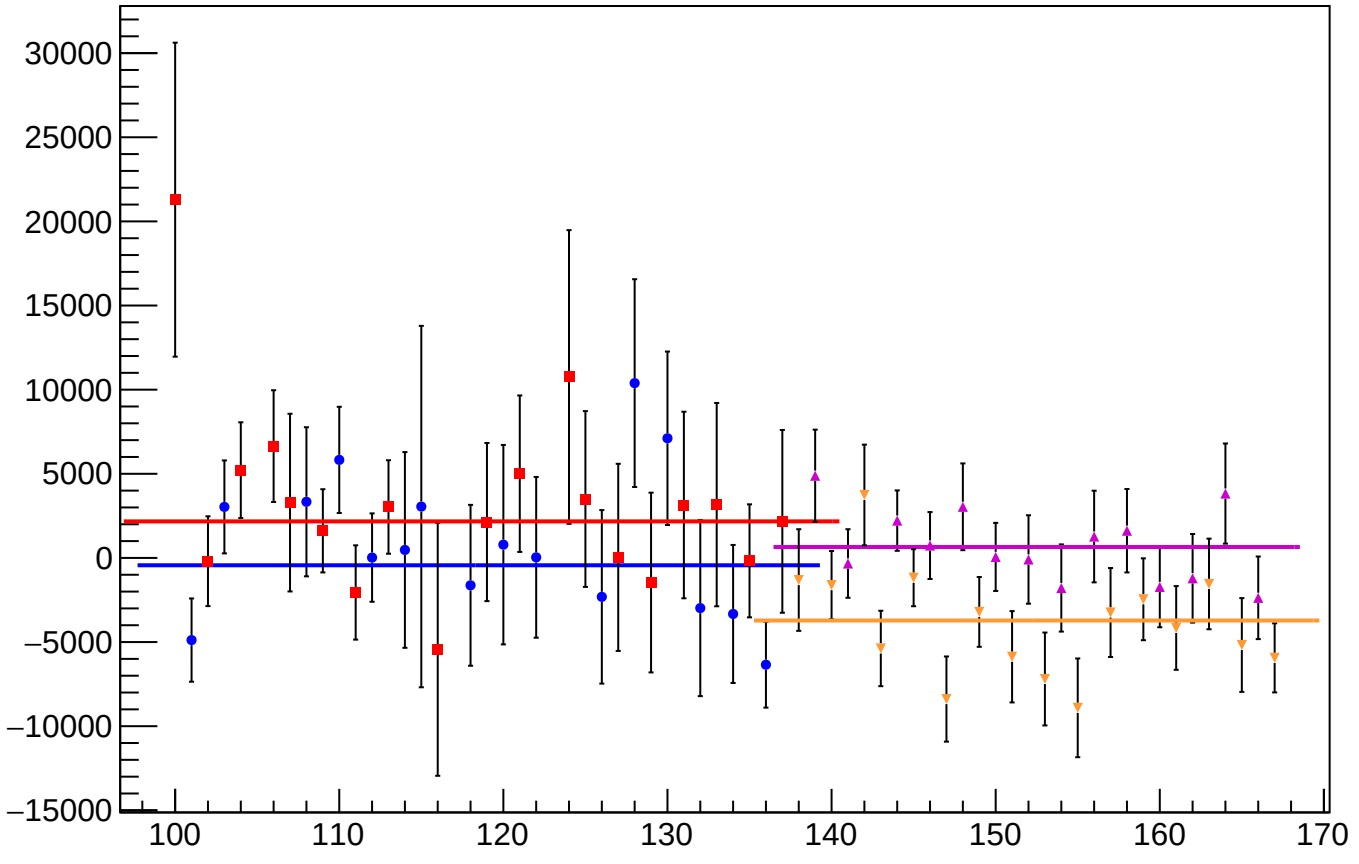
Left: 288.787+/-0.042 χ^2/NDF: 599961.9/29

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 276.650+/-0.046 χ^2/NDF:789643.5/29

Out: 273.548+/-0.044 χ^2/NDF:1063570.7/34

All: 275.031+/-0.032 χ^2/NDF: 1855586.8/64



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3719.868+/-601.757 χ^2/NDF:22.0/15

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 649.972+/-629.804 χ^2/NDF:9.6/13

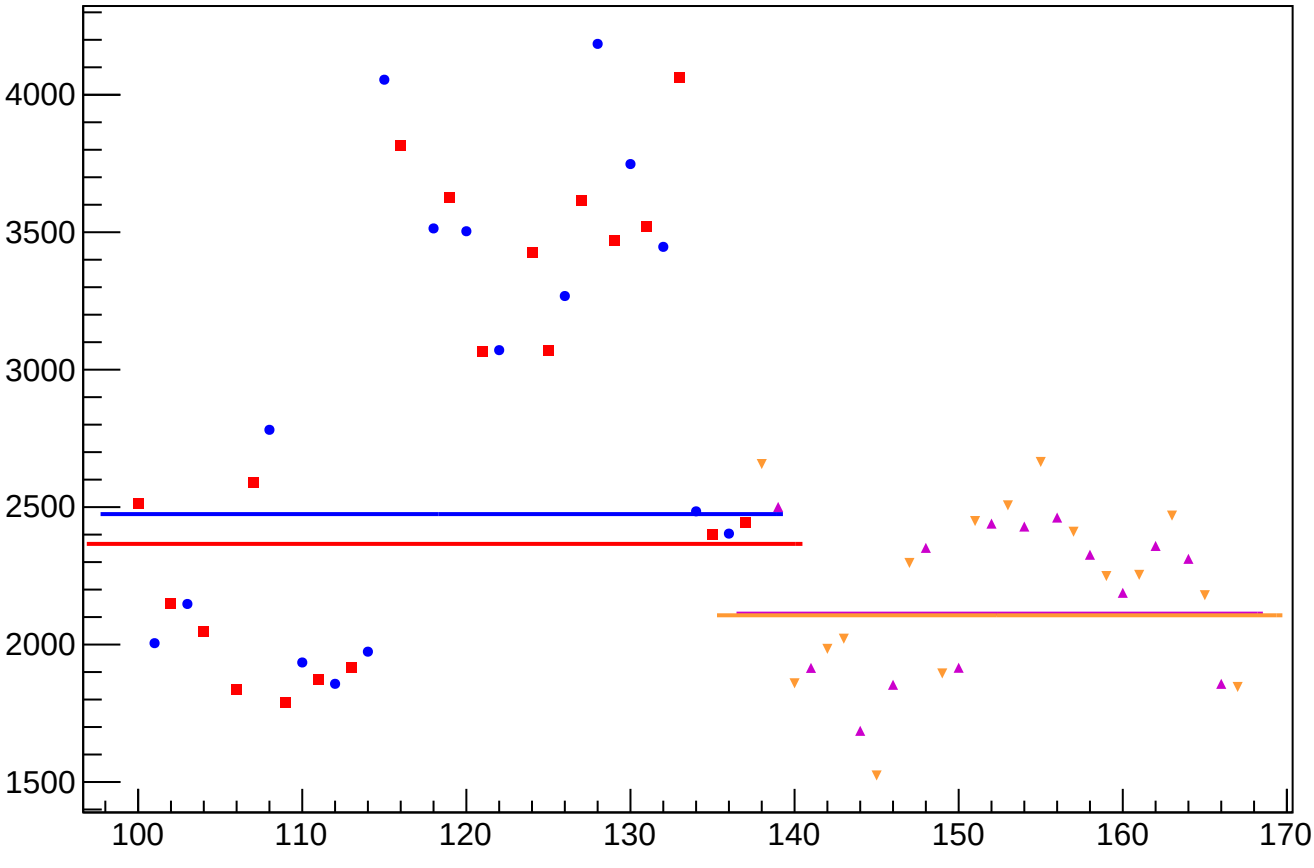
Left: -1634.413+/-435.084 χ^2/NDF: 56.8/29

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 320.663+/-525.788 χ^2/NDF:31.7/29

Out: -1902.686+/-500.430 χ^2/NDF:65.5/34

All: -845.918+/-362.490 χ^2/NDF: 106.7/64



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2106.479+/-0.426 χ^2/NDF:627335.8/15

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2112.476+/-0.445 χ^2/NDF:400870.3/13

Left: 2109.341+/-0.308 χ^2/NDF: 1028300.9/29

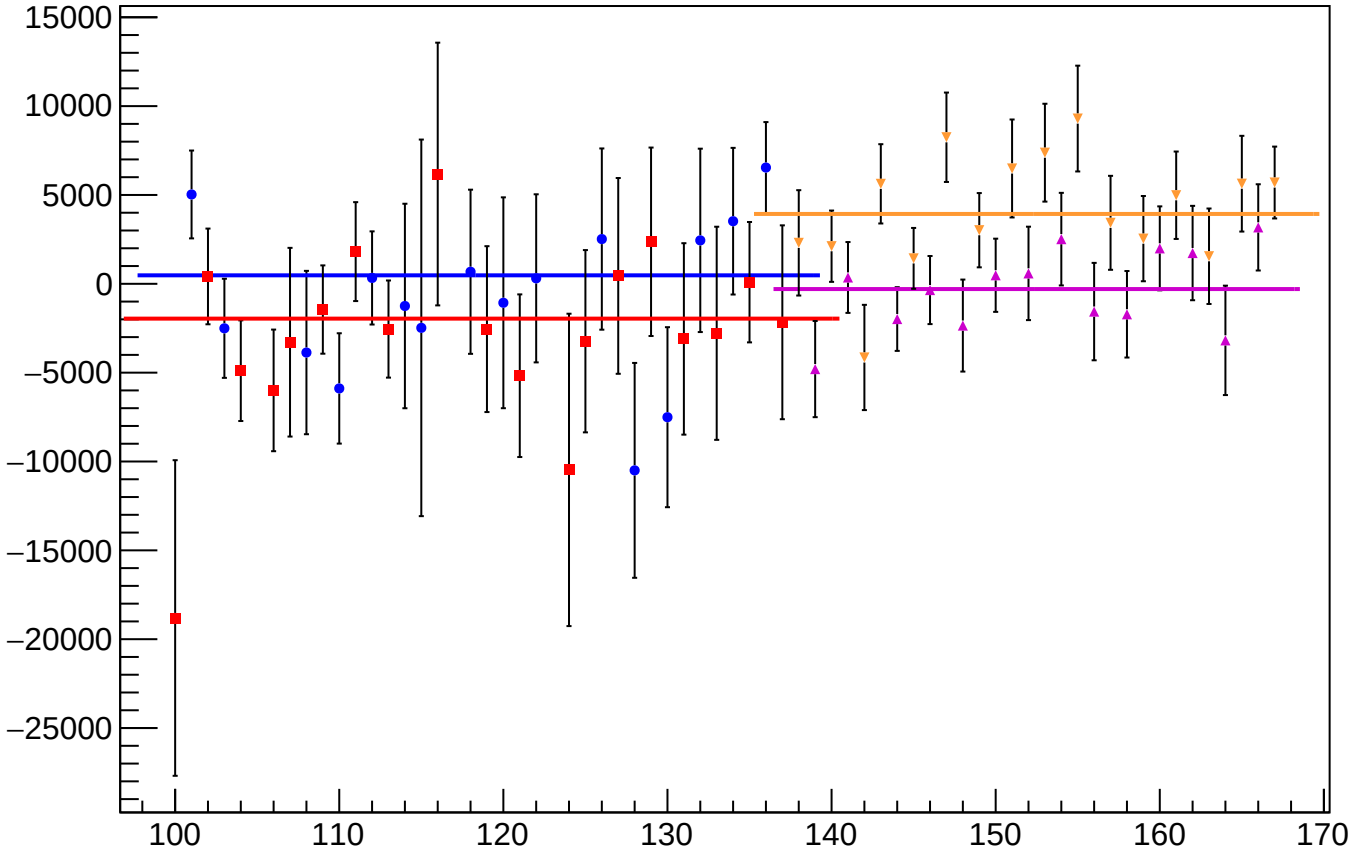
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2222.218+/-0.372 χ^2/NDF:1517514.7/29

Out: 2186.587+/-0.354 χ^2/NDF:1819436.4/34

All: 2203.523+/-0.256 χ^2/NDF: 3341770.2/64

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3931.474+/-599.271 χ^2/NDF:22.6/15

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -295.298+/-626.591 χ^2/NDF:10.8/13

Left: 1912.237+/-433.085 χ^2/NDF: 57.2/29

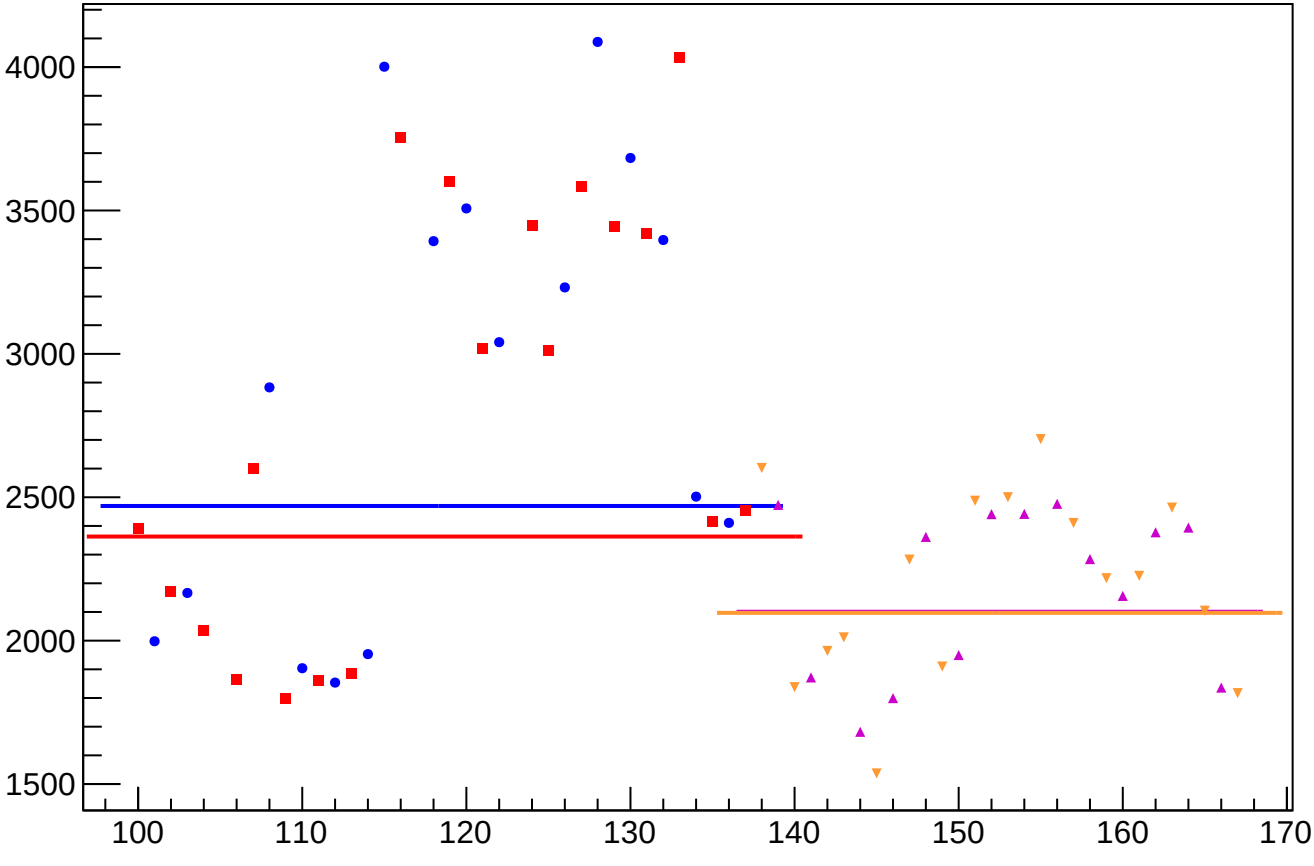
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -62.032+/-523.520 χ^2/NDF:33.4/29

Out: 2121.086+/-498.759 χ^2/NDF:65.1/34

All: 1082.373+/-361.112 χ^2/NDF: 107.6/64

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2096.928+/-0.424 χ^2/NDF:619540.9/15

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2100.840+/-0.443 χ^2/NDF:435677.4/13

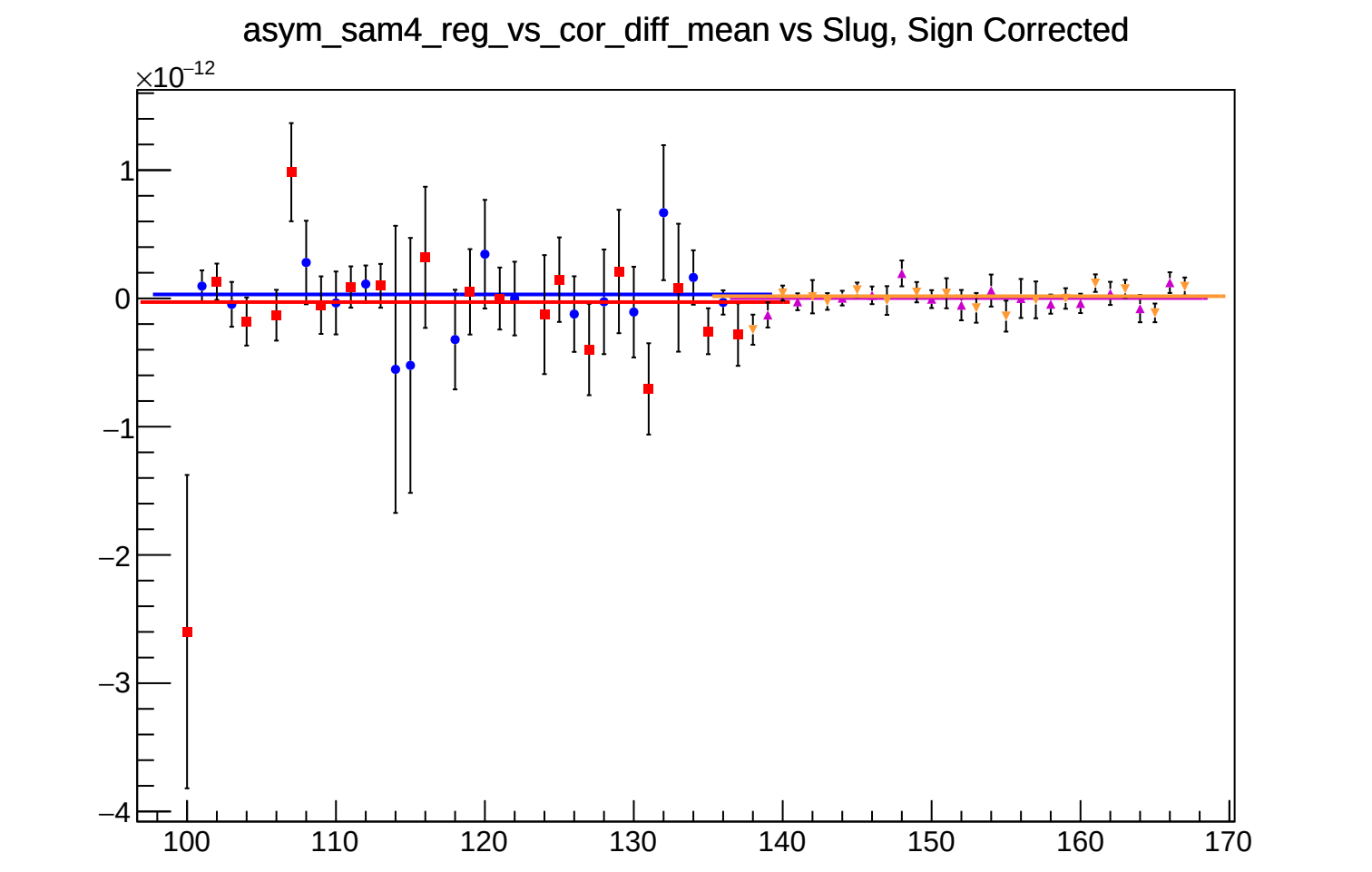
Left: 2098.797+/-0.306 χ^2/NDF: 1055259.1/29

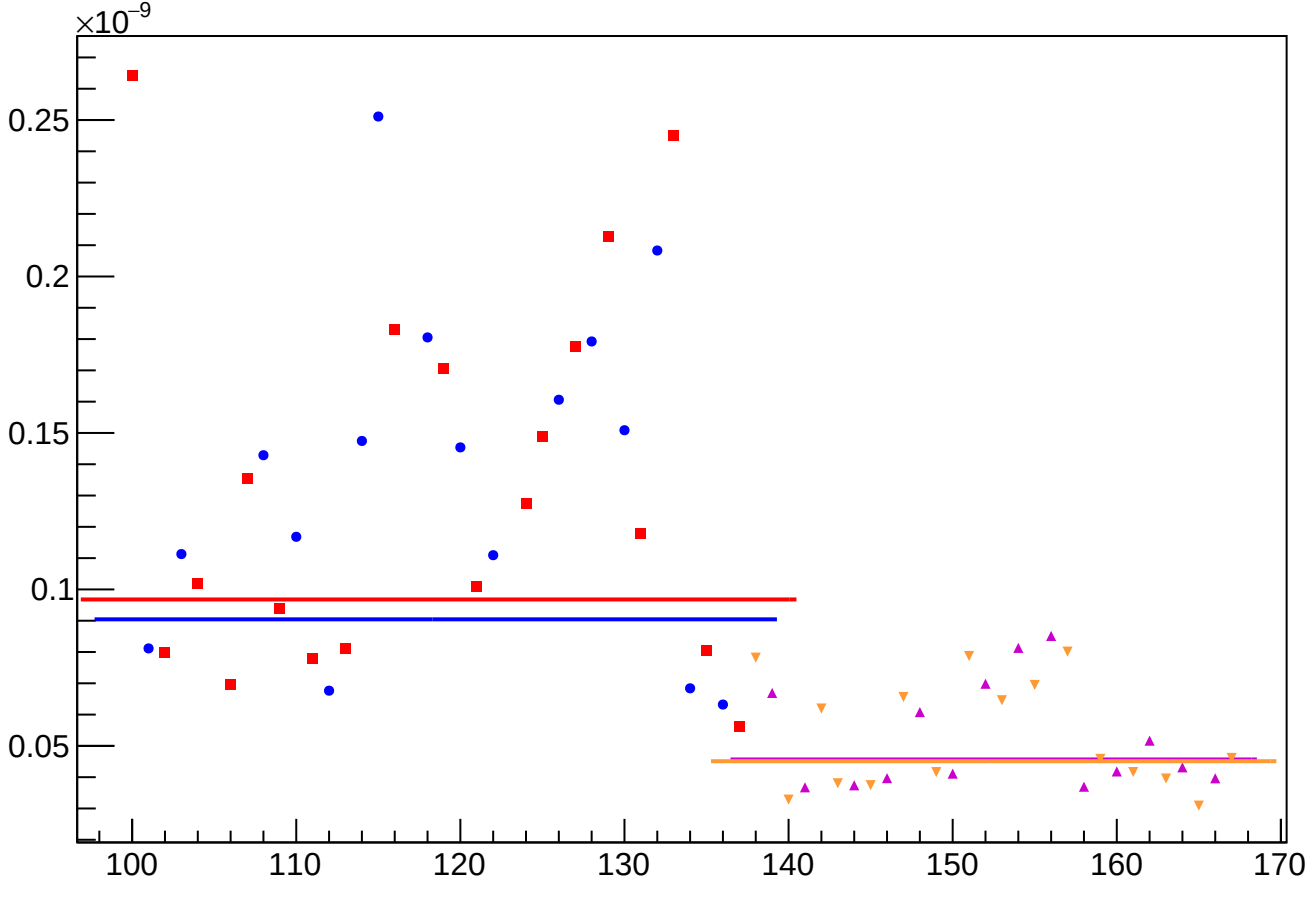
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2212.191+/-0.370 χ^2/NDF:1531050.5/29

Out: 2178.713+/-0.353 χ^2/NDF:1784094.6/34

All: 2194.641+/-0.255 χ^2/NDF: 3319432.6/64


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:16.1/15
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: 0.000+/-0.000 χ²/NDF:9.9/13
Left: 0.000+/-0.000 χ²/NDF: 26.2/29
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: 0.000+/-0.000 χ²/NDF:16.2/29
Out: 0.000+/-0.000 χ²/NDF:39.9/34
All: 0.000+/-0.000 χ²/NDF: 56.2/64



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925531.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:675577.3/13

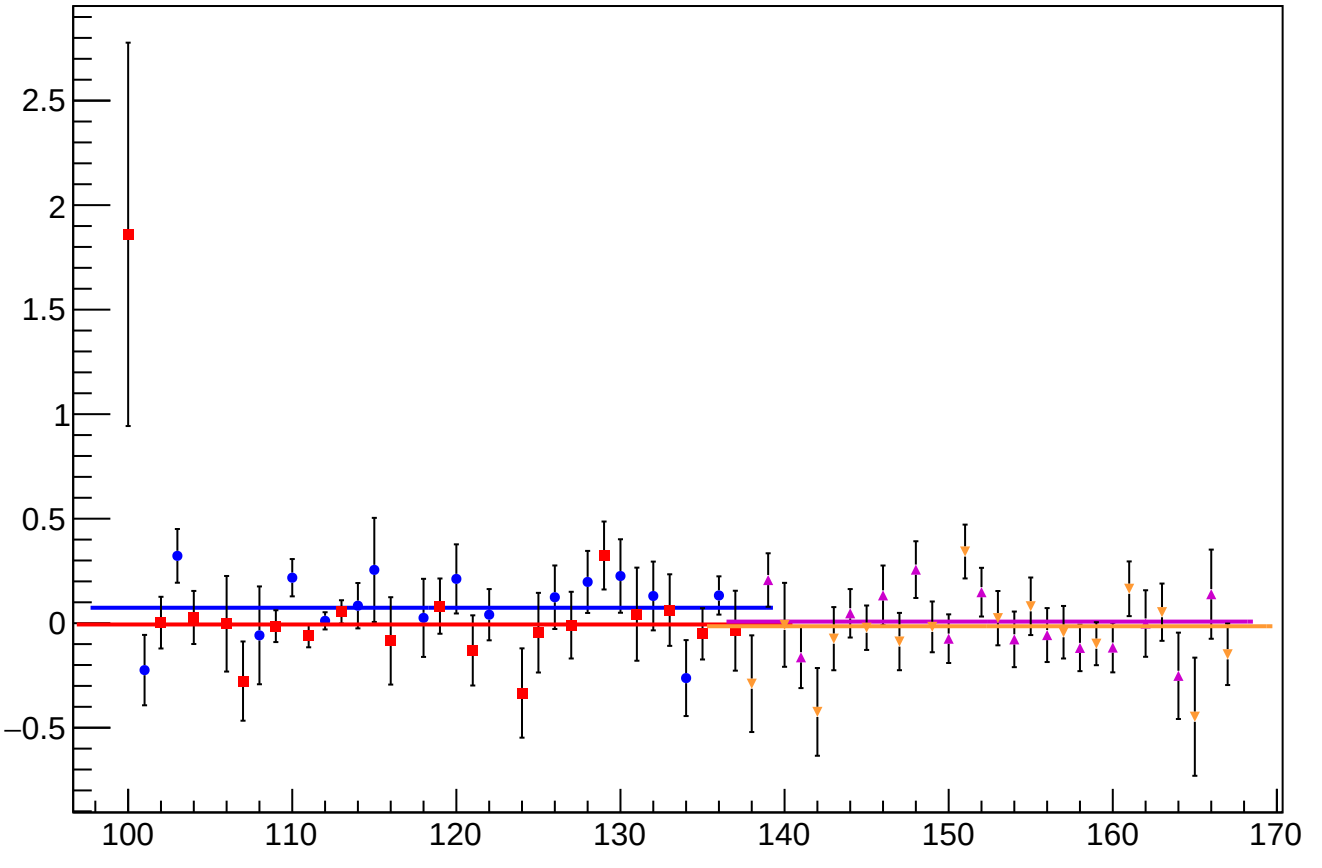
Left: 0.000+/-0.000 χ^2/NDF: 1601815.2/29

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2835786.7/29

Out: 0.000+/-0.000 χ^2/NDF:3286503.4/34

All: 0.000+/-0.000 χ^2/NDF: 6126428.8/64



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.036 χ^2/NDF:14.9/13

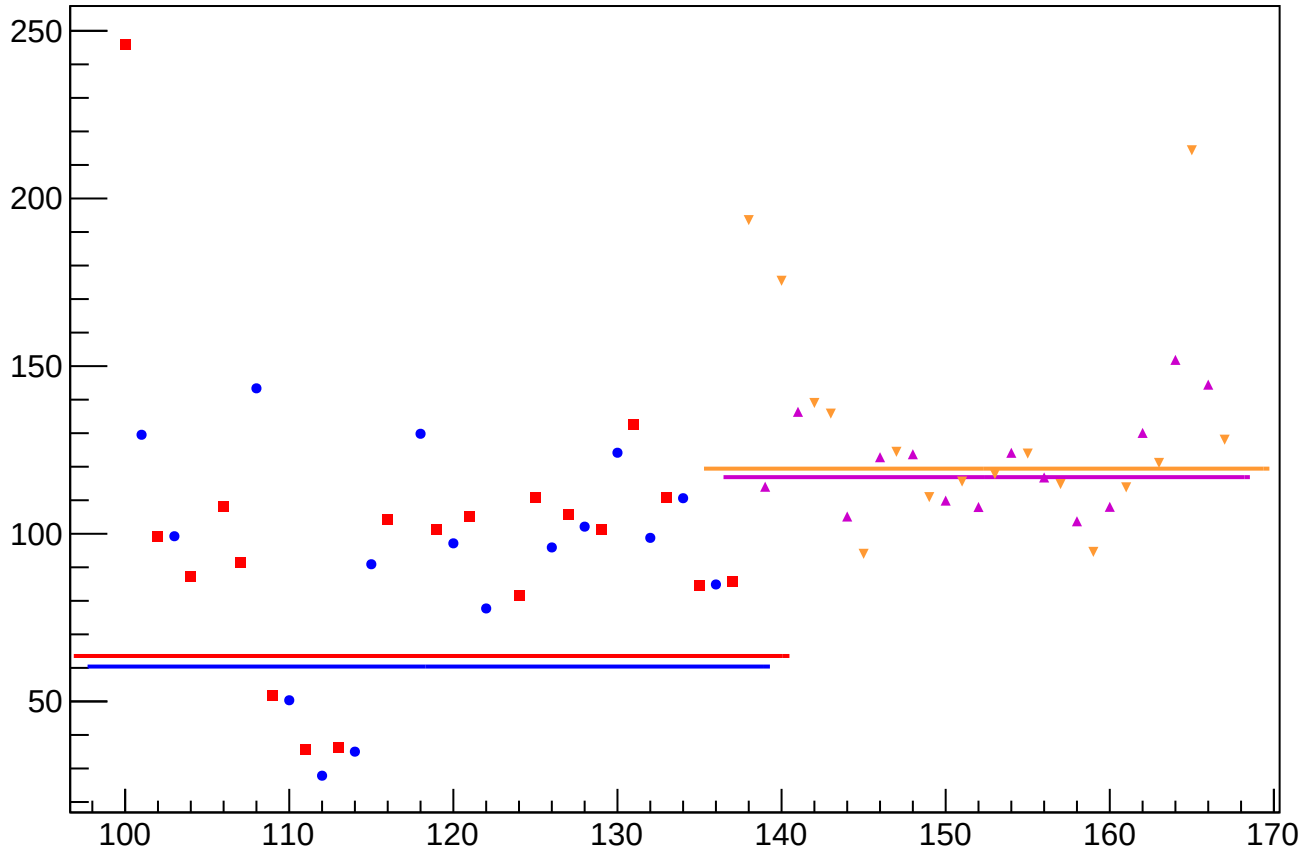
Left: -0.004+/-0.025 χ^2/NDF: 35.1/29

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.022 χ^2/NDF:36.1/29

Out: -0.009+/-0.021 χ^2/NDF:36.4/34

All: 0.020+/-0.015 χ^2/NDF: 76.3/64



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 119.428+/-0.025 χ^2/NDF:889103.5/15

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.891+/-0.025 χ^2/NDF:233570.7/13

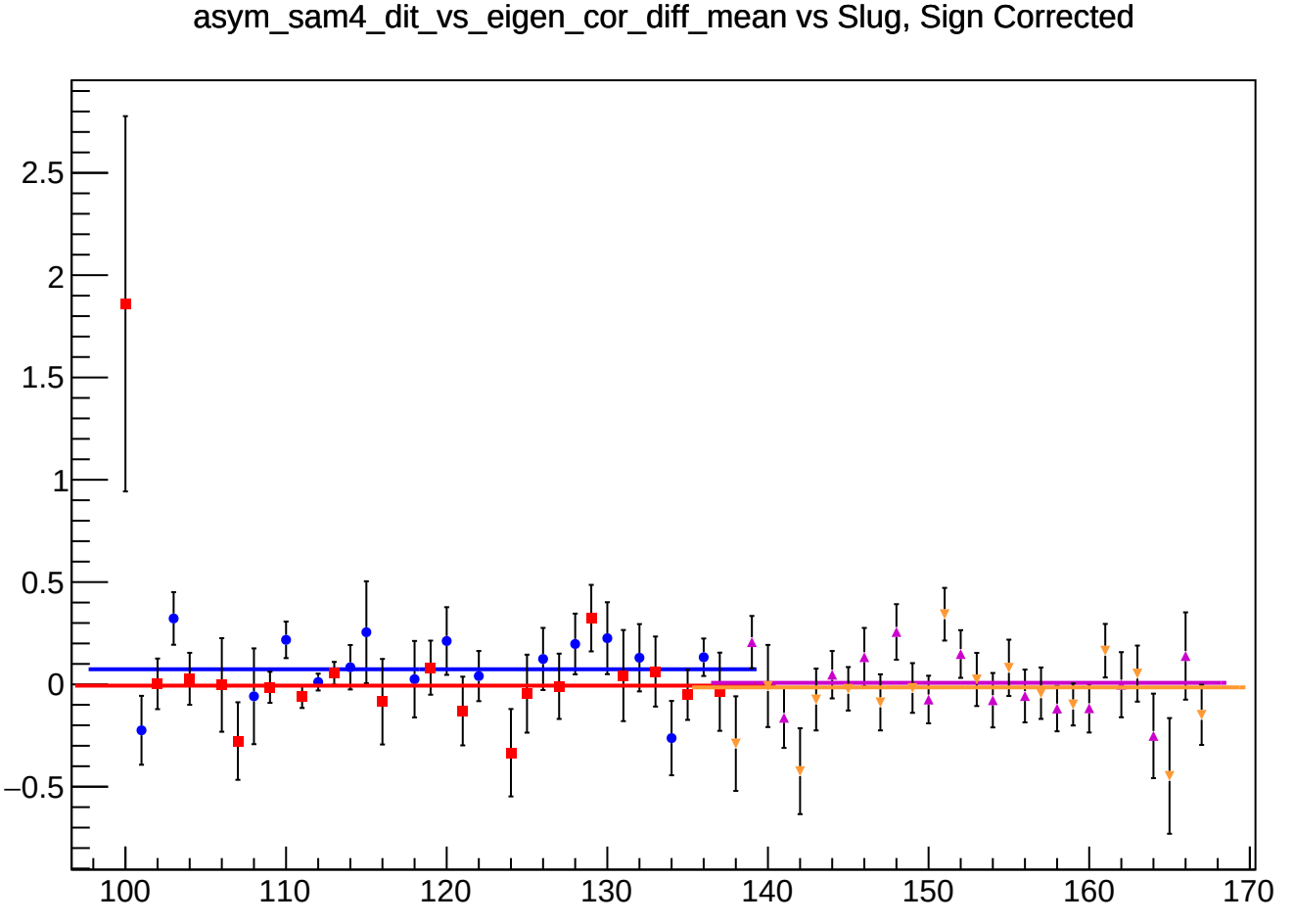
Left: 118.187+/-0.018 χ^2/NDF: 1127840.2/29

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 80.985+/-0.015 χ^2/NDF:6958944.9/29

Out: 84.298+/-0.015 χ^2/NDF:6763942.8/34

All: 82.662+/-0.011 χ^2/NDF: 13746839.6/64



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.036 χ^2/NDF:14.9/13

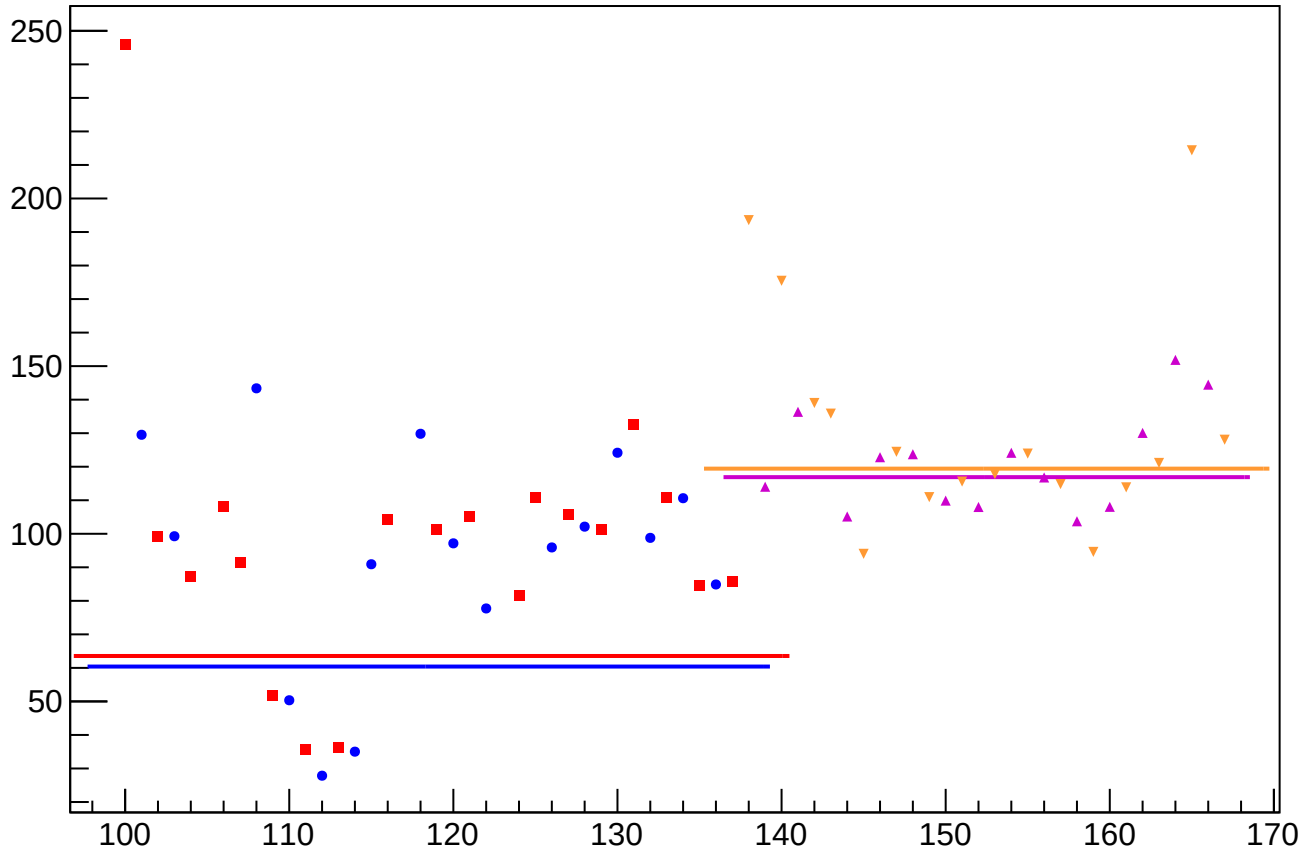
Left: -0.004+/-0.025 χ^2/NDF: 35.1/29

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.022 χ^2/NDF:36.1/29

Out: -0.009+/-0.021 χ^2/NDF:36.4/34

All: 0.020+/-0.015 χ^2/NDF: 76.3/64



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 119.428+/-0.025 χ^2/NDF:889103.5/15

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.891+/-0.025 χ^2/NDF:233570.7/13

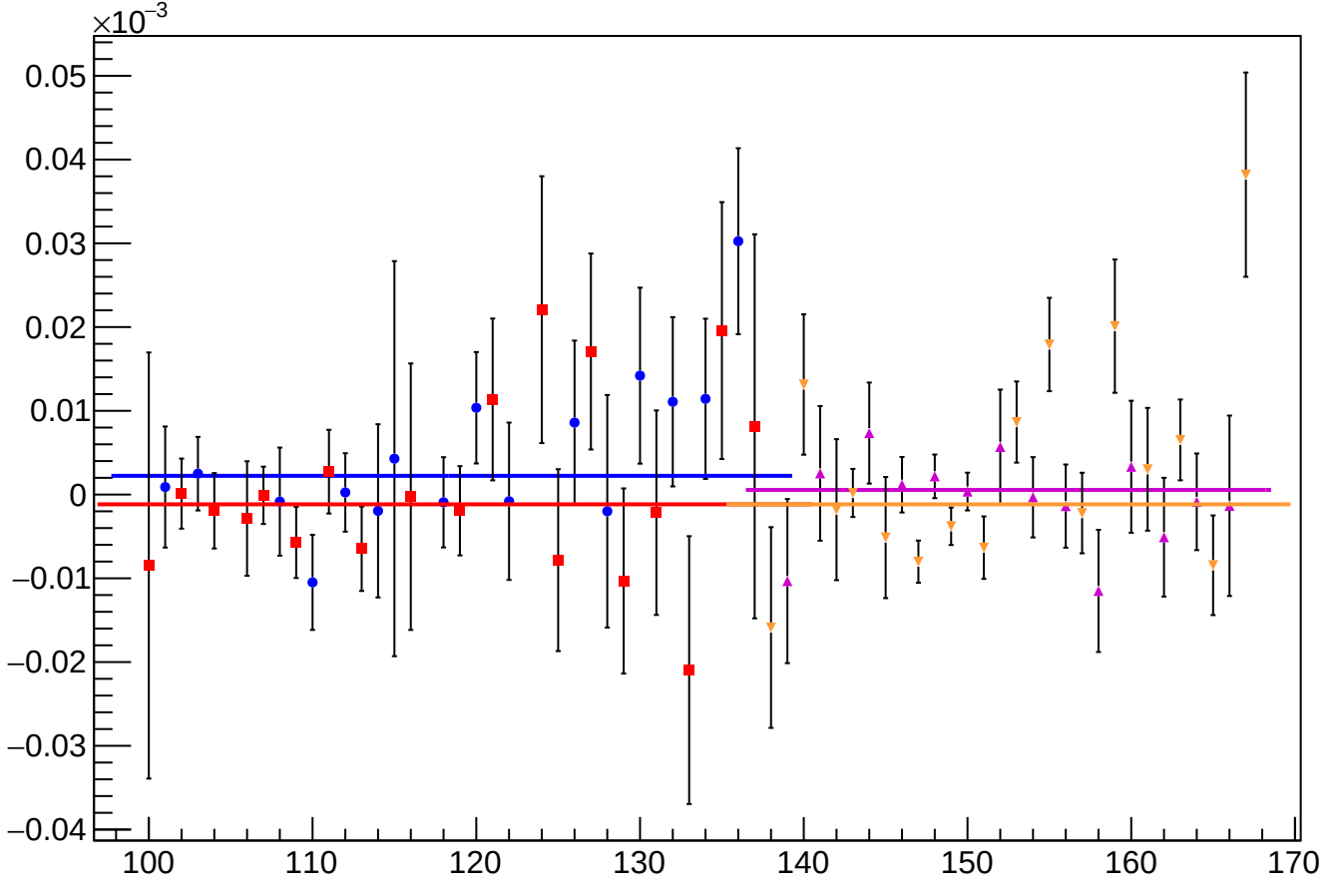
Left: 118.187+/-0.018 χ^2/NDF: 1127840.2/29

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 80.985+/-0.015 χ^2/NDF:6958944.9/29

Out: 84.298+/-0.015 χ^2/NDF:6763942.8/34

All: 82.662+/-0.011 χ^2/NDF: 13746839.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:53.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/13

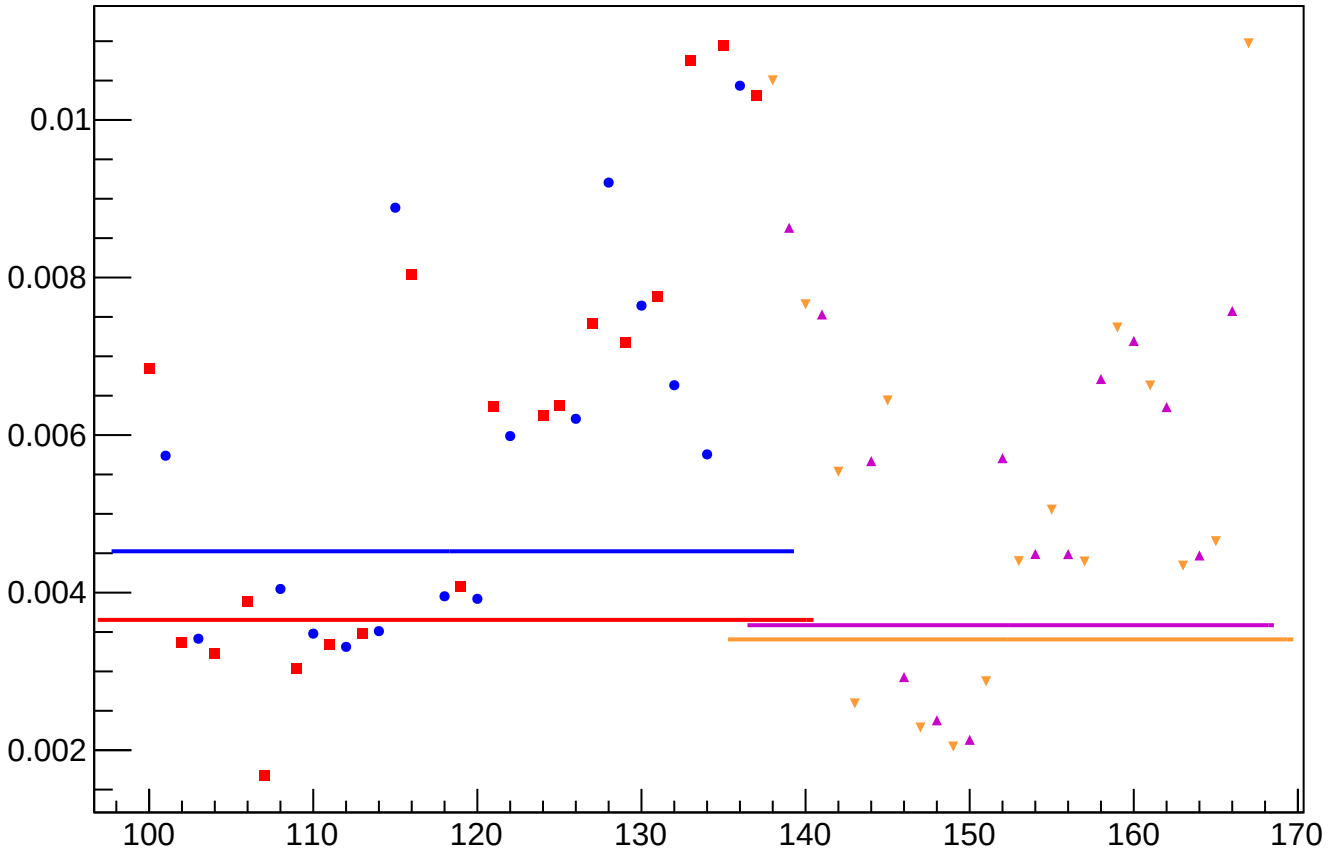
Left: -0.000+/-0.000 χ^2/NDF: 61.9/29

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:25.4/29

Out: -0.000+/-0.000 χ^2/NDF:67.5/34

All: -0.000+/-0.000 χ^2/NDF: 95.7/64



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:5187261.3/15

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:4336379.2/13

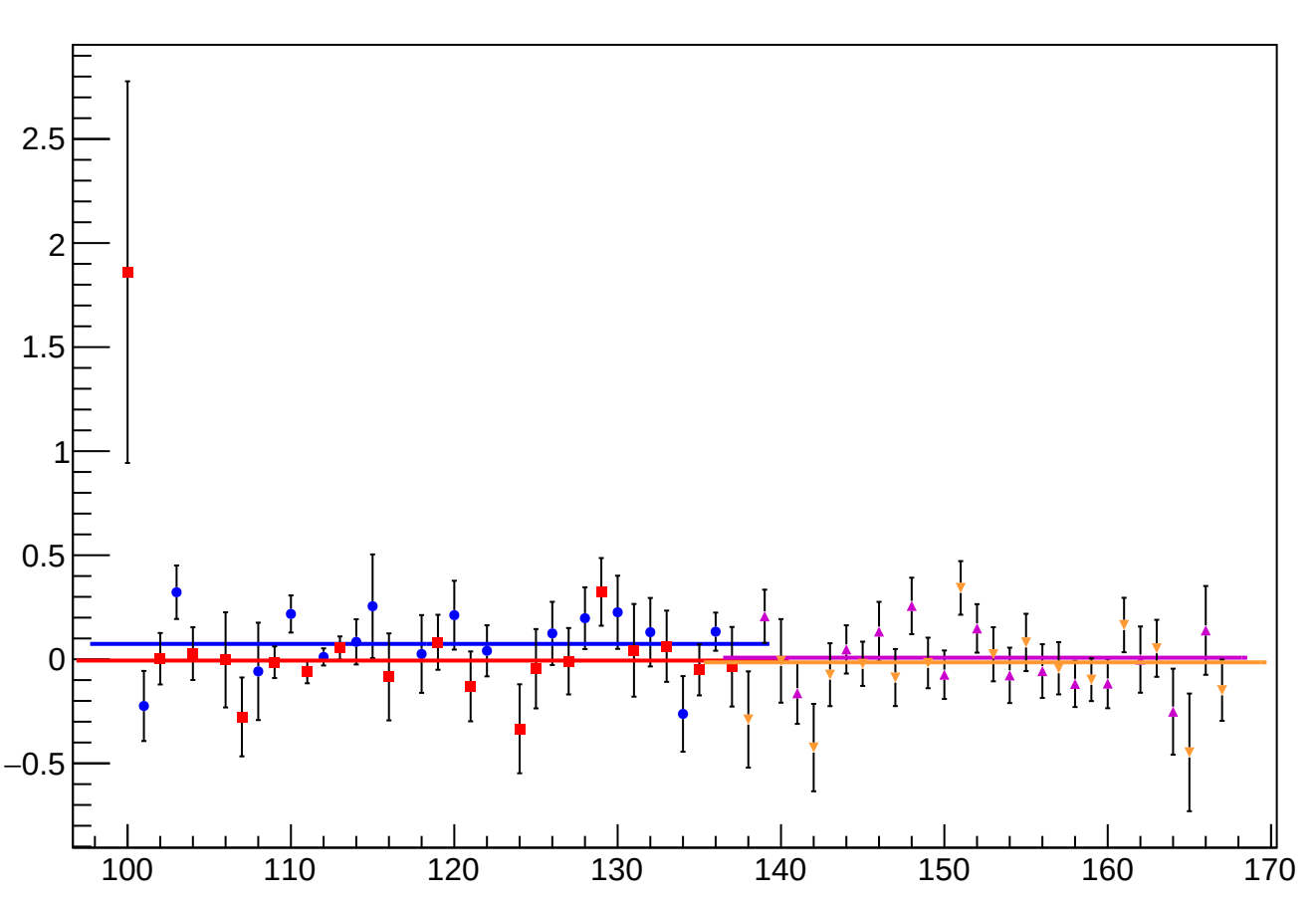
Left: 0.003+/-0.000 χ^2/NDF: 9548157.2/29

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:6429629.9/29

Out: 0.003+/-0.000 χ^2/NDF:8156092.7/34

All: 0.004+/-0.000 χ^2/NDF: 14749130.2/64



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.036 χ^2/NDF:14.9/13

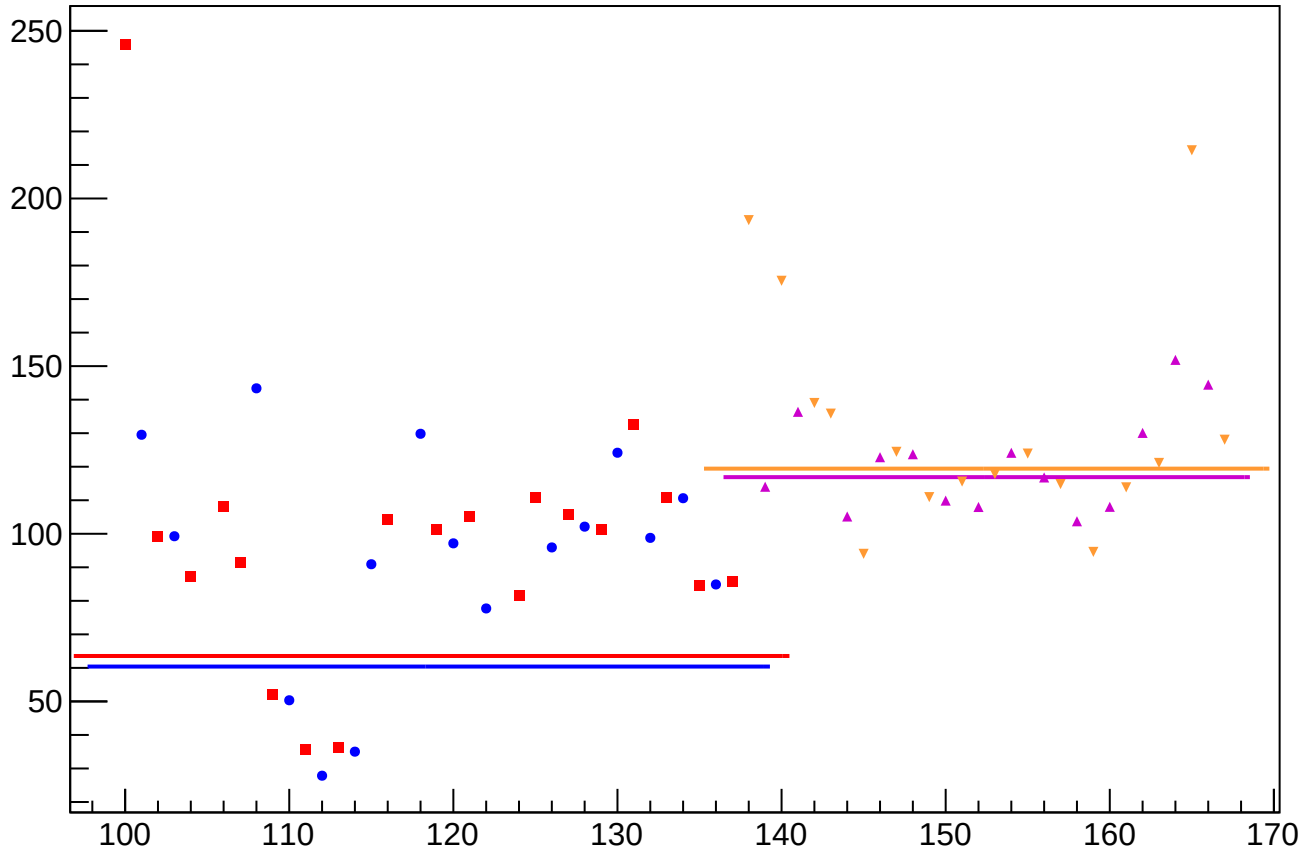
Left: -0.004+/-0.025 χ^2/NDF: 35.1/29

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.022 χ^2/NDF:36.1/29

Out: -0.009+/-0.021 χ^2/NDF:36.4/34

All: 0.020+/-0.015 χ^2/NDF: 76.3/64



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 119.429+/-0.025 χ^2/NDF:889071.4/15

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.892+/-0.025 χ^2/NDF:233566.0/13

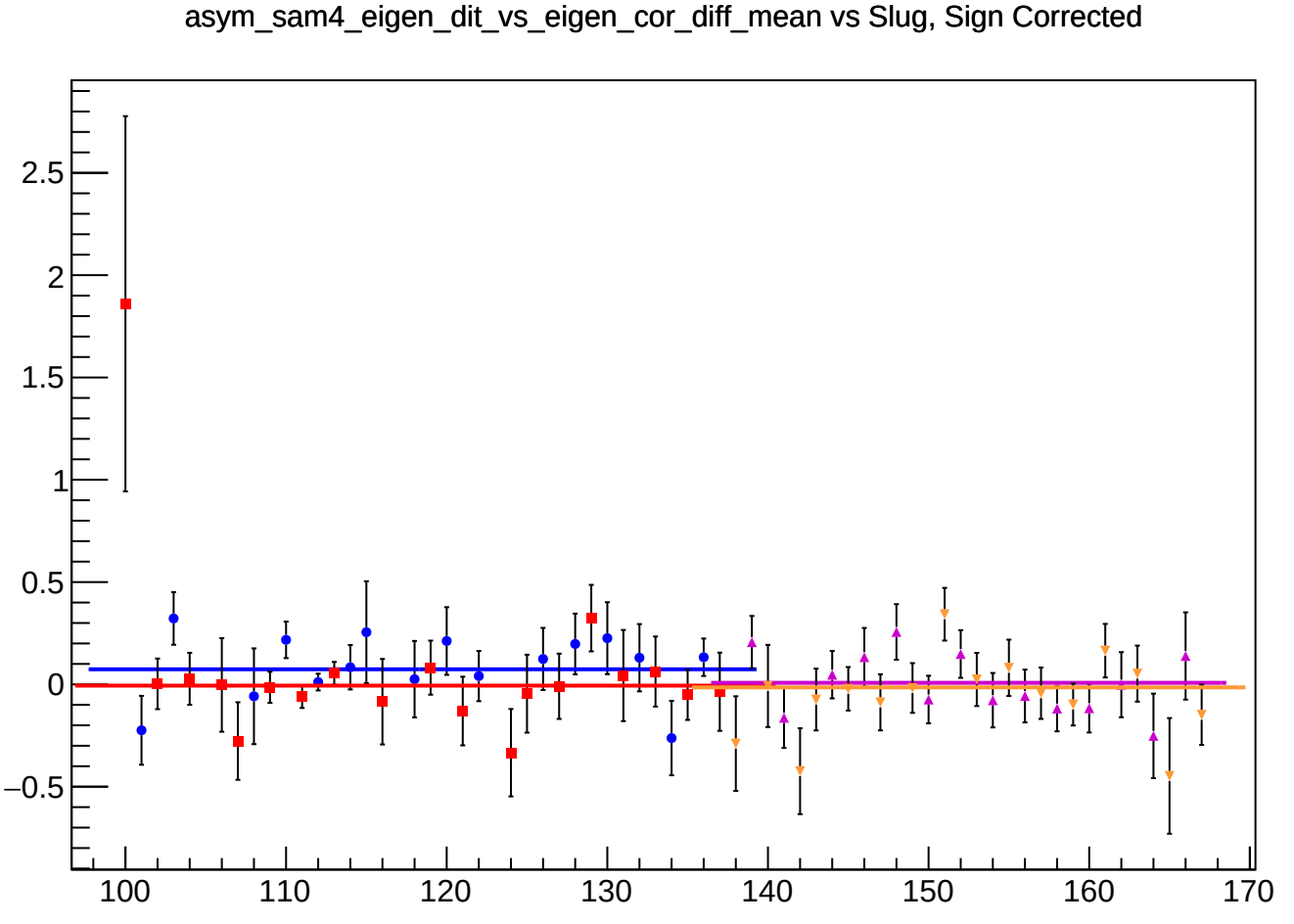
Left: 118.188+/-0.018 χ^2/NDF: 1127803.1/29

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 80.983+/-0.015 χ^2/NDF:6959585.2/29

Out: 84.296+/-0.015 χ^2/NDF:6764531.4/34

All: 82.660+/-0.011 χ^2/NDF: 13748073.6/64



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.036 χ^2/NDF:14.9/13

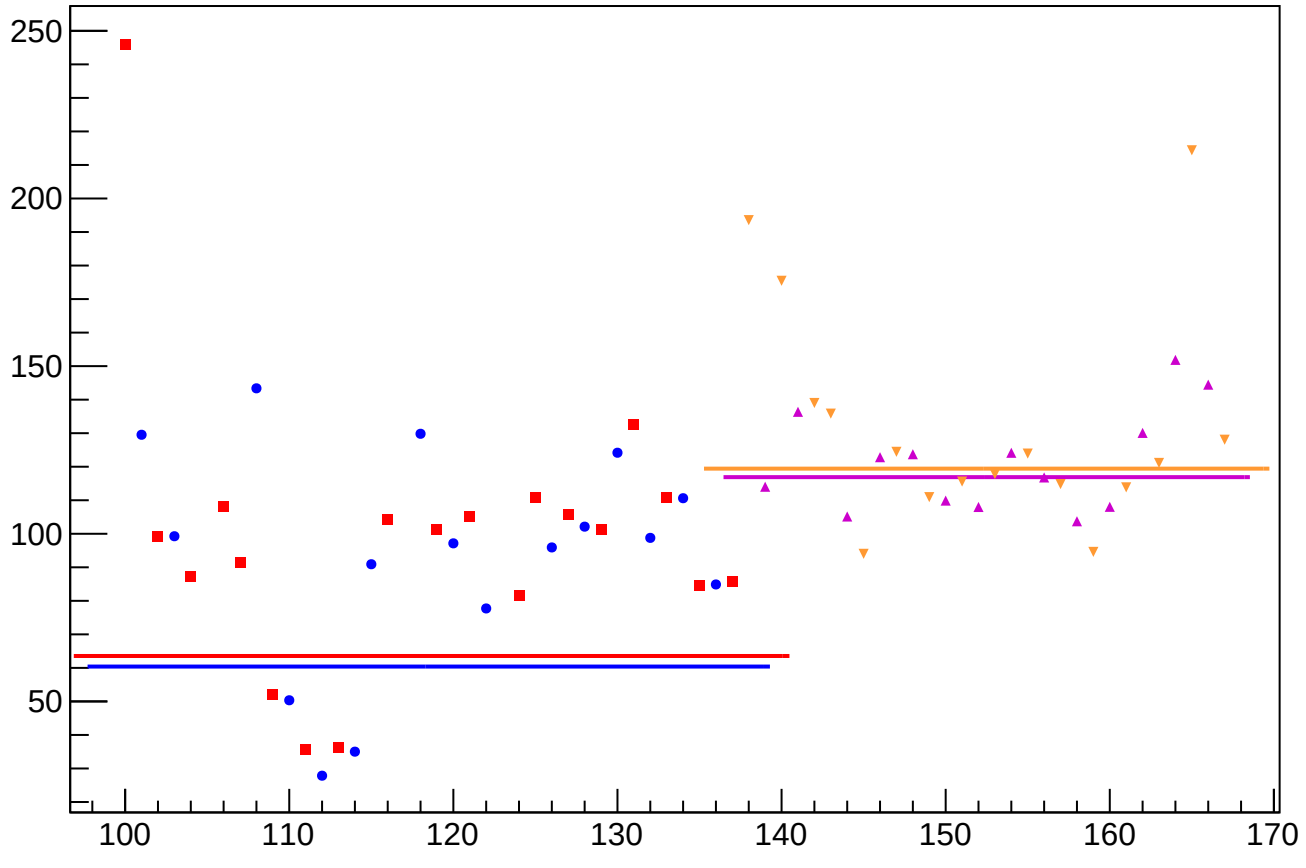
Left: -0.004+/-0.025 χ^2/NDF: 35.1/29

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.022 χ^2/NDF:36.1/29

Out: -0.009+/-0.021 χ^2/NDF:36.4/34

All: 0.020+/-0.015 χ^2/NDF: 76.3/64



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 119.429+/-0.025 χ^2/NDF:889071.4/15

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.892+/-0.025 χ^2/NDF:233566.0/13

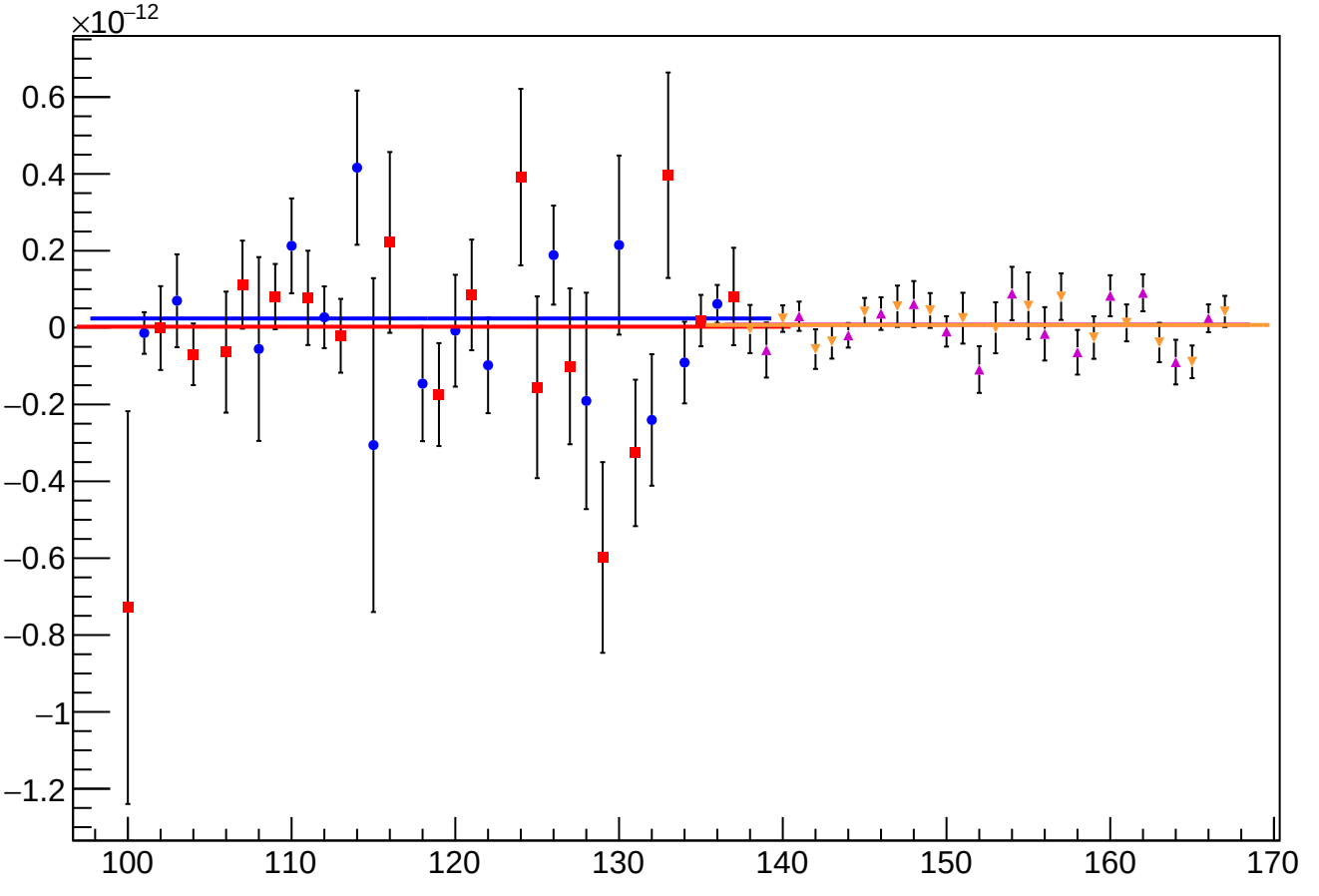
Left: 118.188+/-0.018 χ^2/NDF: 1127803.1/29

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 80.983+/-0.015 χ^2/NDF:6959585.2/29

Out: 84.296+/-0.015 χ^2/NDF:6764531.4/34

All: 82.660+/-0.011 χ^2/NDF: 13748073.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.1/13

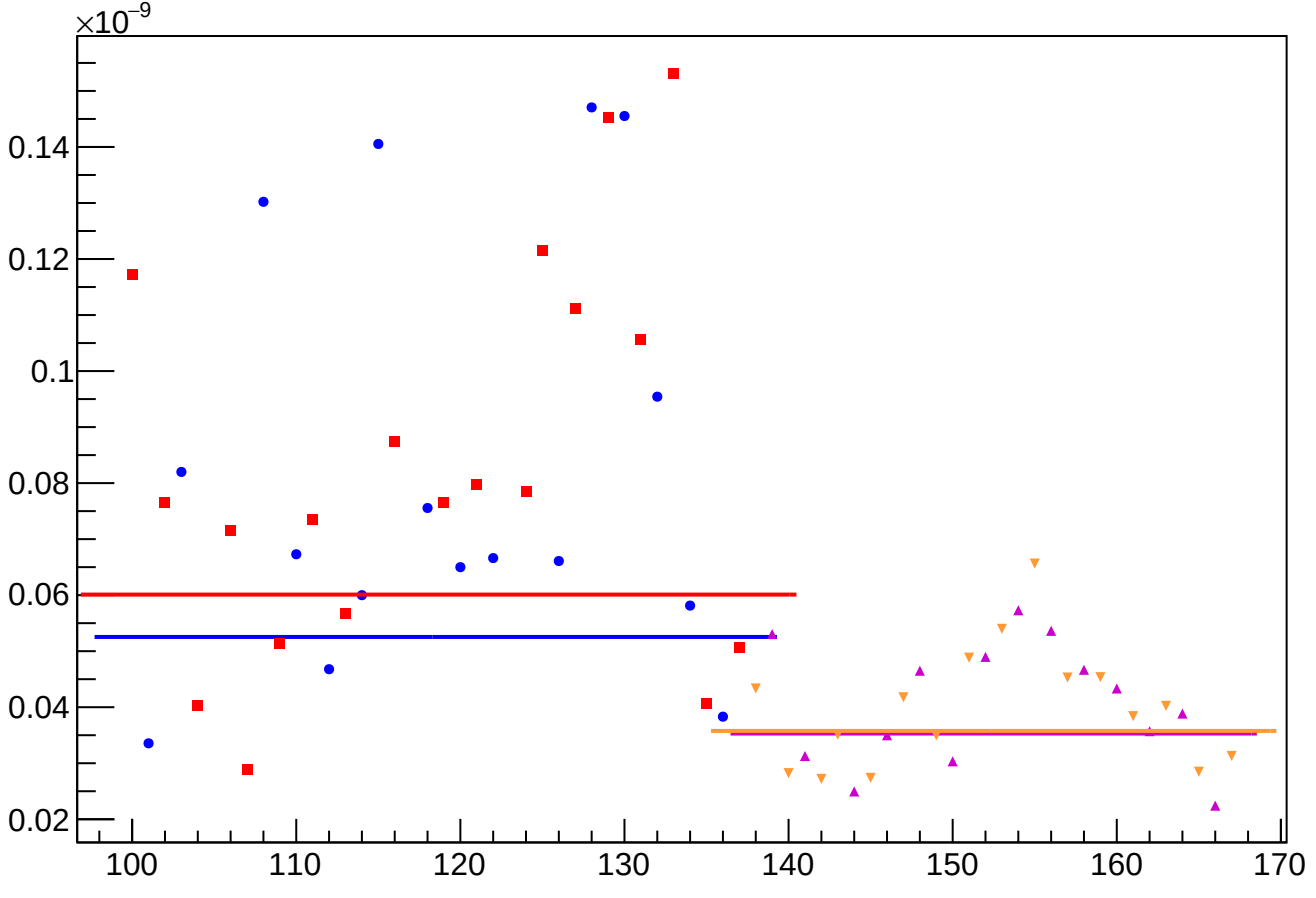
Left: 0.000+/-0.000 χ^2/NDF: 32.1/29

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:35.2/29

Out: 0.000+/-0.000 χ^2/NDF:37.2/34

All: 0.000+/-0.000 χ^2/NDF: 72.5/64



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:994312.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1282361.0/13

Left: 0.000+/-0.000 χ^2/NDF: 2278121.6/29

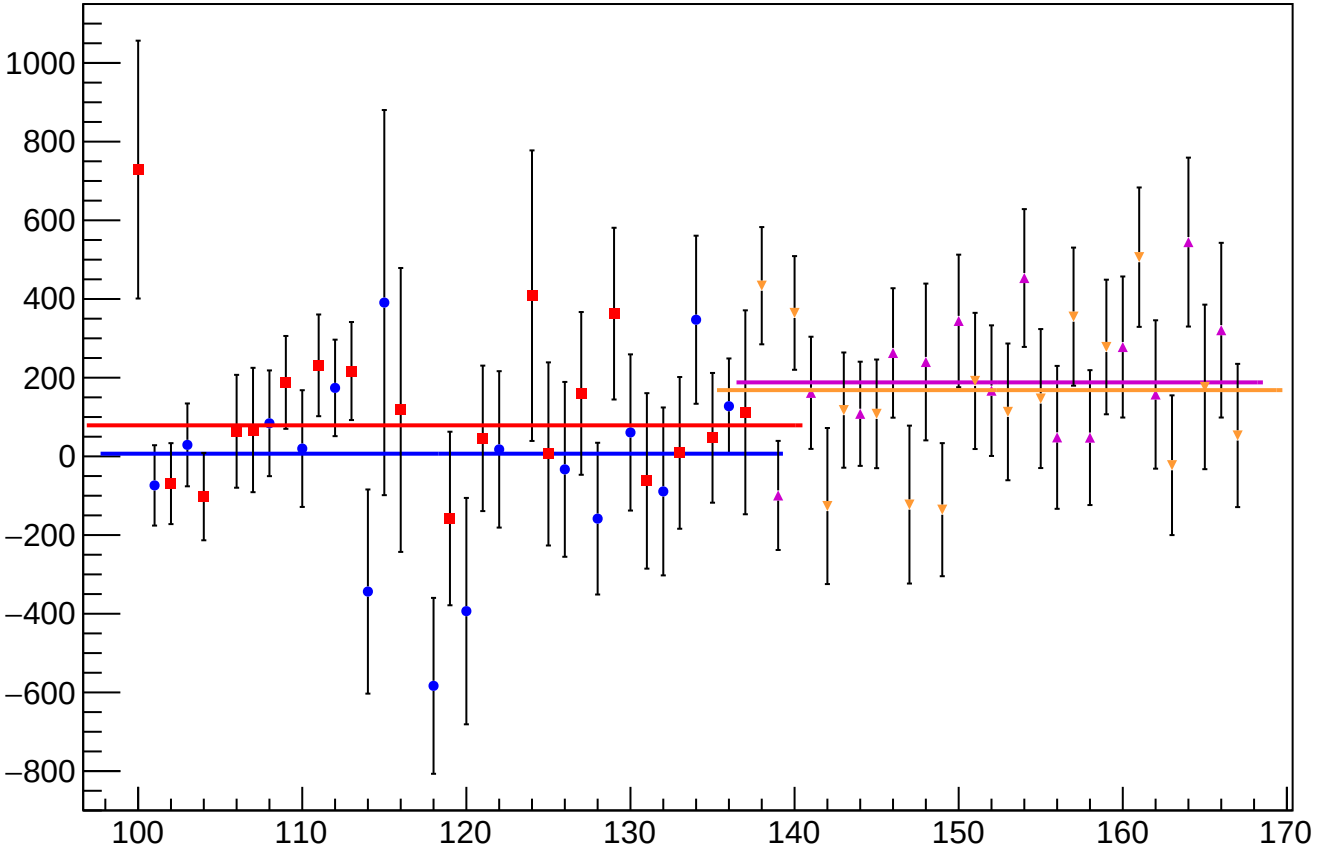
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3632690.8/29

Out: 0.000+/-0.000 χ^2/NDF:3740143.4/34

All: 0.000+/-0.000 χ^2/NDF: 7378428.0/64

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 168.357+/-42.295 χ^2/NDF:19.7/15

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 188.057+/-45.172 χ^2/NDF:12.8/13

Left: 177.560+/-30.874 χ^2/NDF: 32.6/29

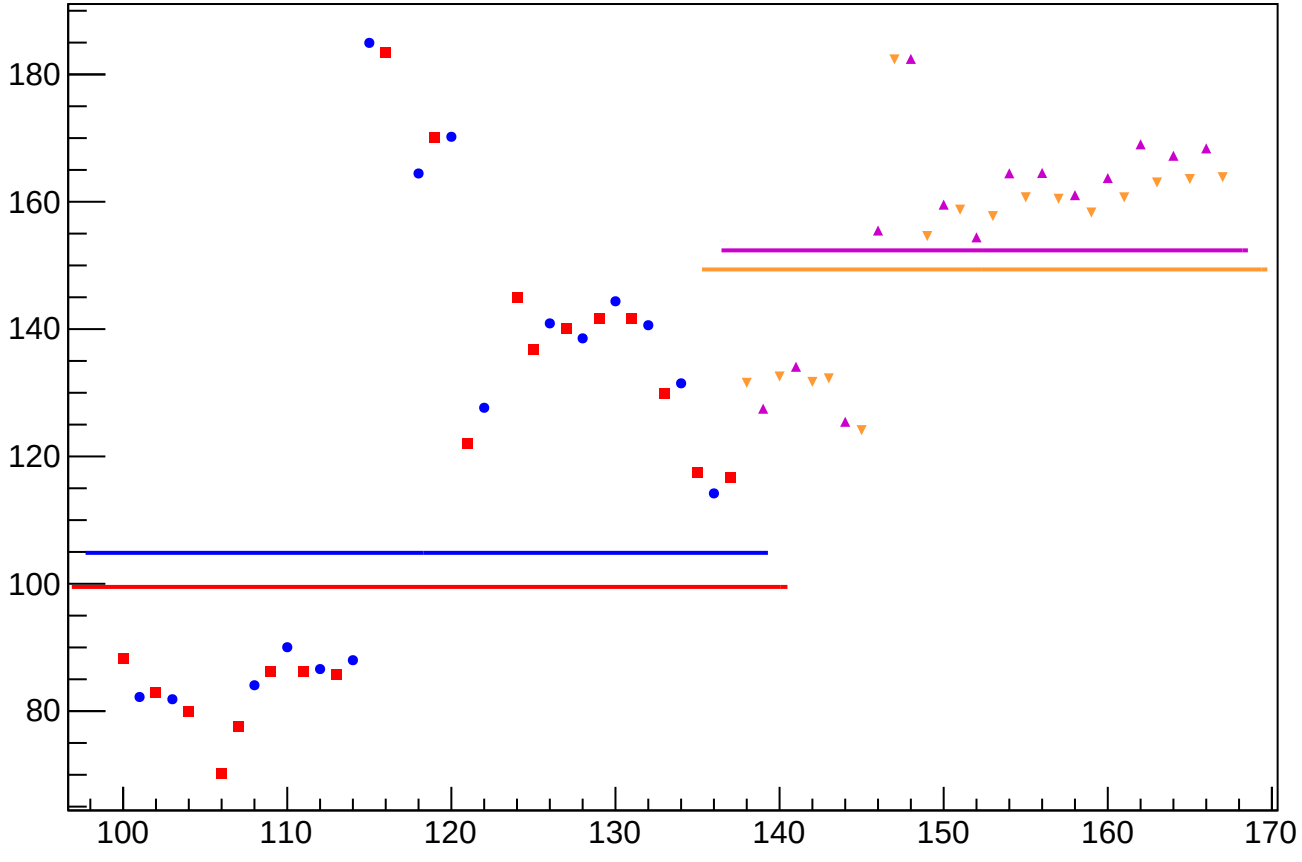
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 87.254+/-30.094 χ^2/NDF:40.5/29

Out: 118.738+/-28.228 χ^2/NDF:38.9/34

All: 104.002+/-20.588 χ^2/NDF: 80.0/64

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 149.367+/-0.030 χ^2/NDF:295719.4/15

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 152.366+/-0.032 χ^2/NDF:297365.2/13

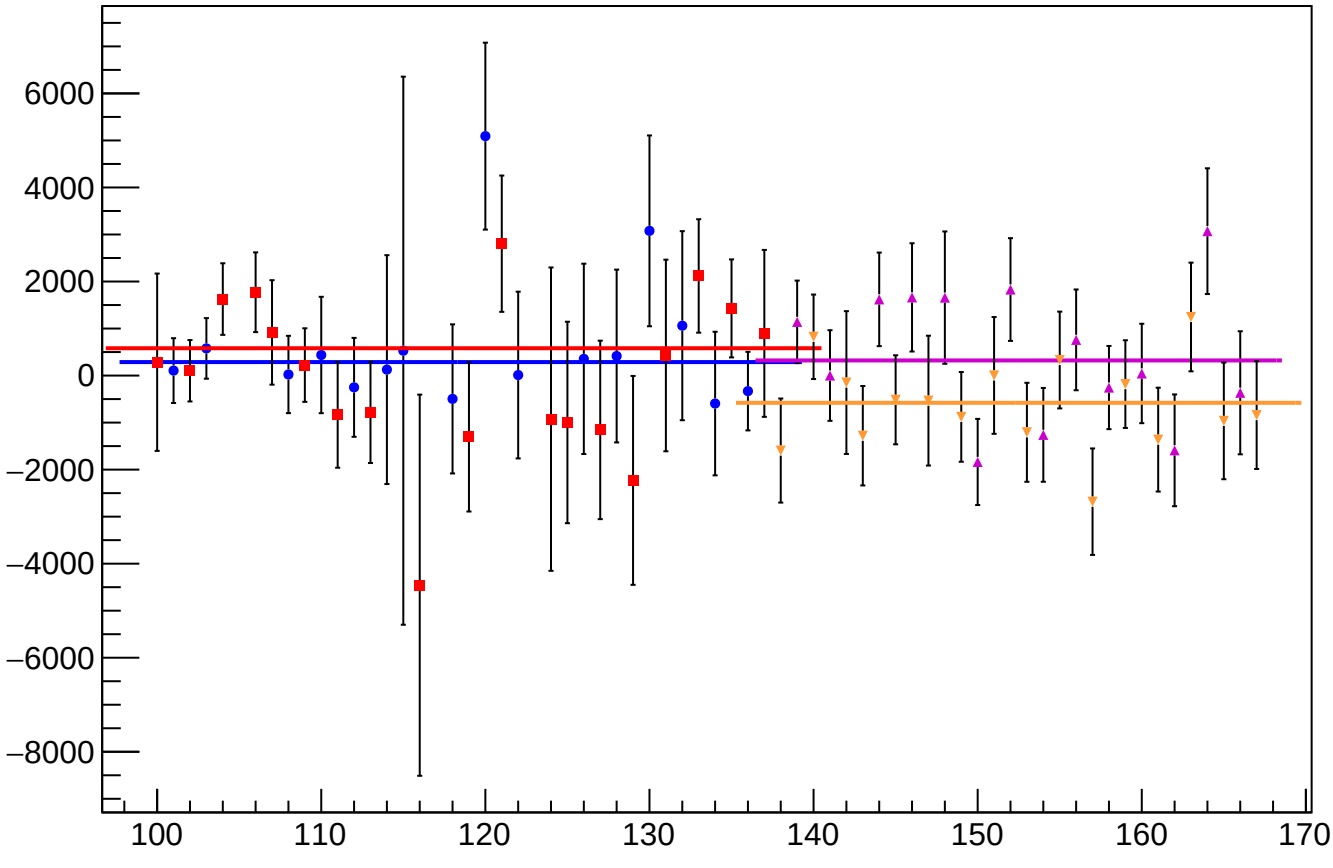
Left: 150.768+/-0.022 χ^2/NDF: 597781.6/29

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 125.945+/-0.021 χ^2/NDF:2458869.9/29

Out: 121.717+/-0.020 χ^2/NDF:2876103.6/34

All: 123.696+/-0.015 χ^2/NDF: 5355970.4/64



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -579.227+/-271.879 χ^2/NDF:12.0/15

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 321.669+/-282.014 χ^2/NDF:22.7/13

Left: -145.257+/-195.732 χ^2/NDF: 40.0/29

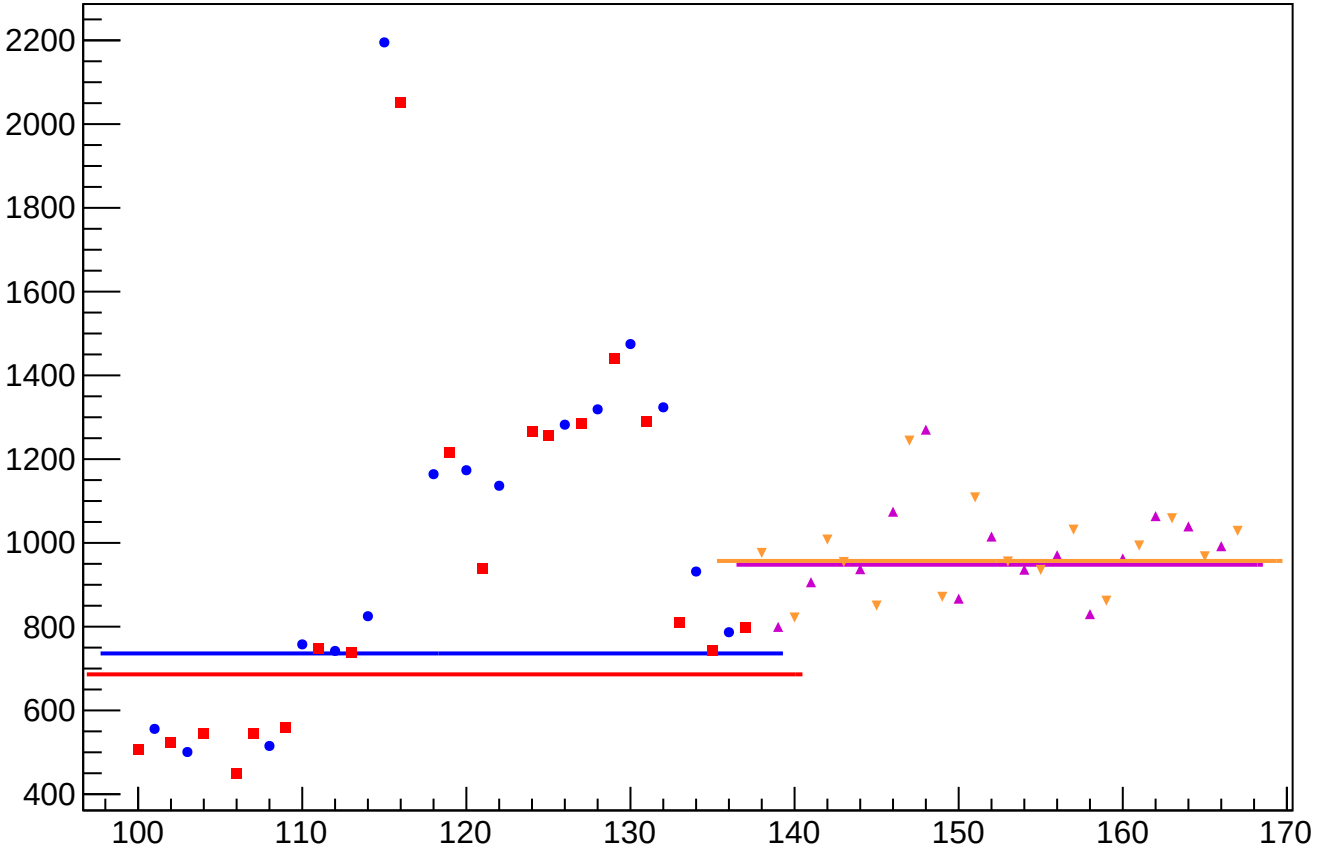
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 304.984+/-203.344 χ^2/NDF:32.4/29

Out: 5.503+/-191.499 χ^2/NDF:40.0/34

All: 146.267+/-139.410 χ^2/NDF: 73.5/64

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 956.945+/-0.192 χ^2/NDF:262095.6/15

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 947.907+/-0.199 χ^2/NDF:281515.2/13

Left: 952.591+/-0.138 χ^2/NDF: 544675.6/29

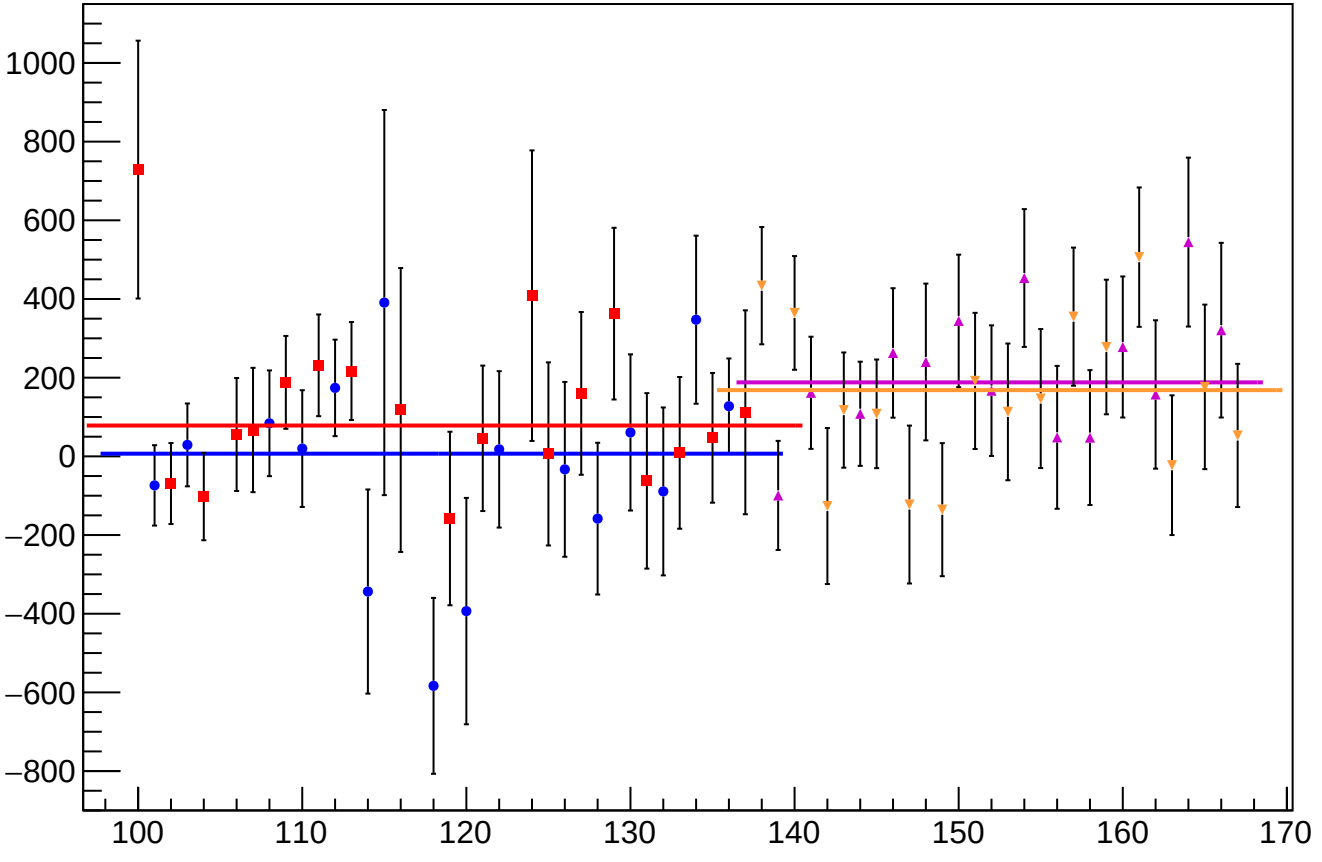
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 846.212+/-0.144 χ^2/NDF:2667716.2/29

Out: 820.475+/-0.135 χ^2/NDF:3081332.0/34

All: 832.572+/-0.099 χ^2/NDF: 5766028.3/64

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 168.355+/-42.295 χ^2/NDF:19.7/15

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 188.058+/-45.172 χ^2/NDF:12.8/13

Left: 177.559+/-30.874 χ^2/NDF: 32.6/29

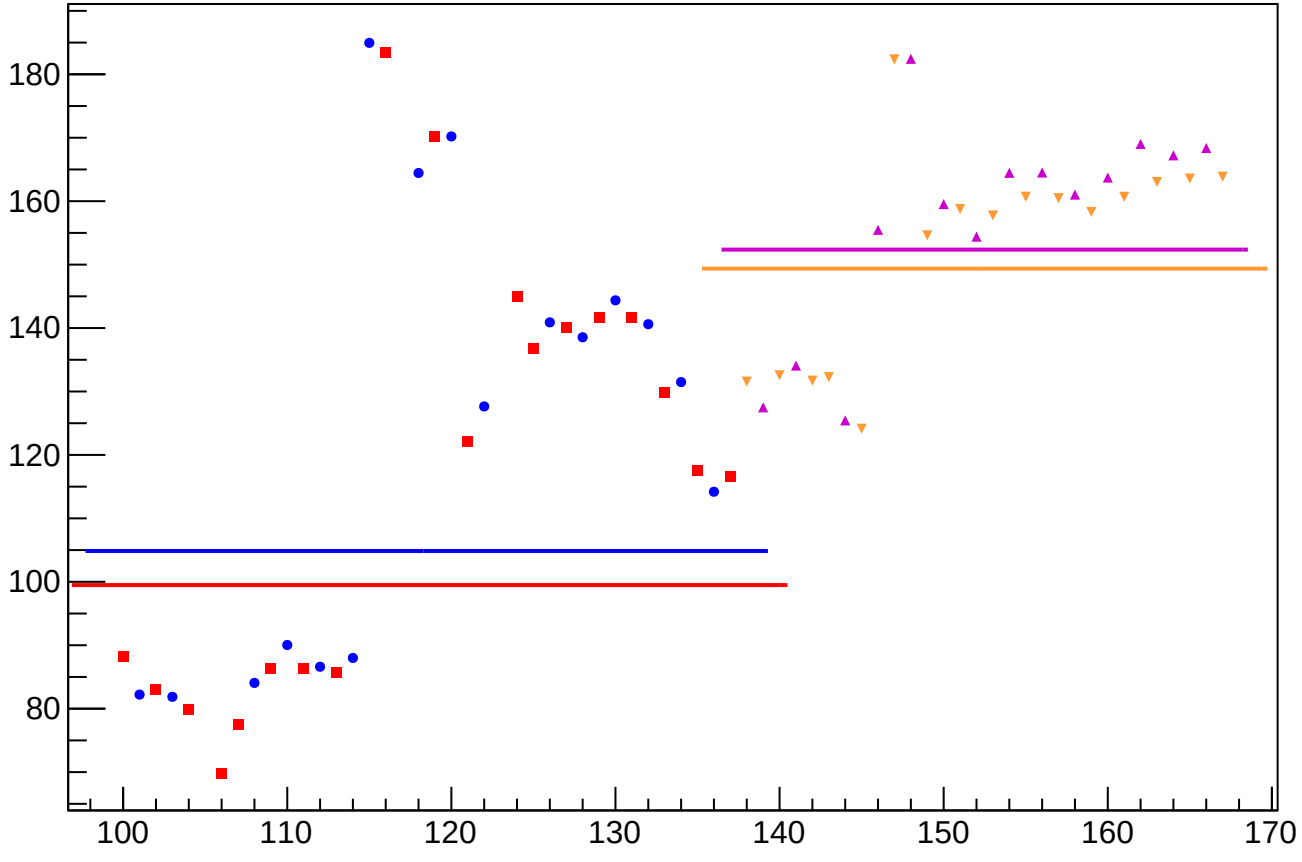
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 87.248+/-30.094 χ^2/NDF:40.5/29

Out: 118.444+/-28.229 χ^2/NDF:38.9/34

All: 103.842+/-20.589 χ^2/NDF: 80.0/64

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 149.367+/-0.030 χ^2/NDF:295719.4/15

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 152.366+/-0.032 χ^2/NDF:297365.3/13

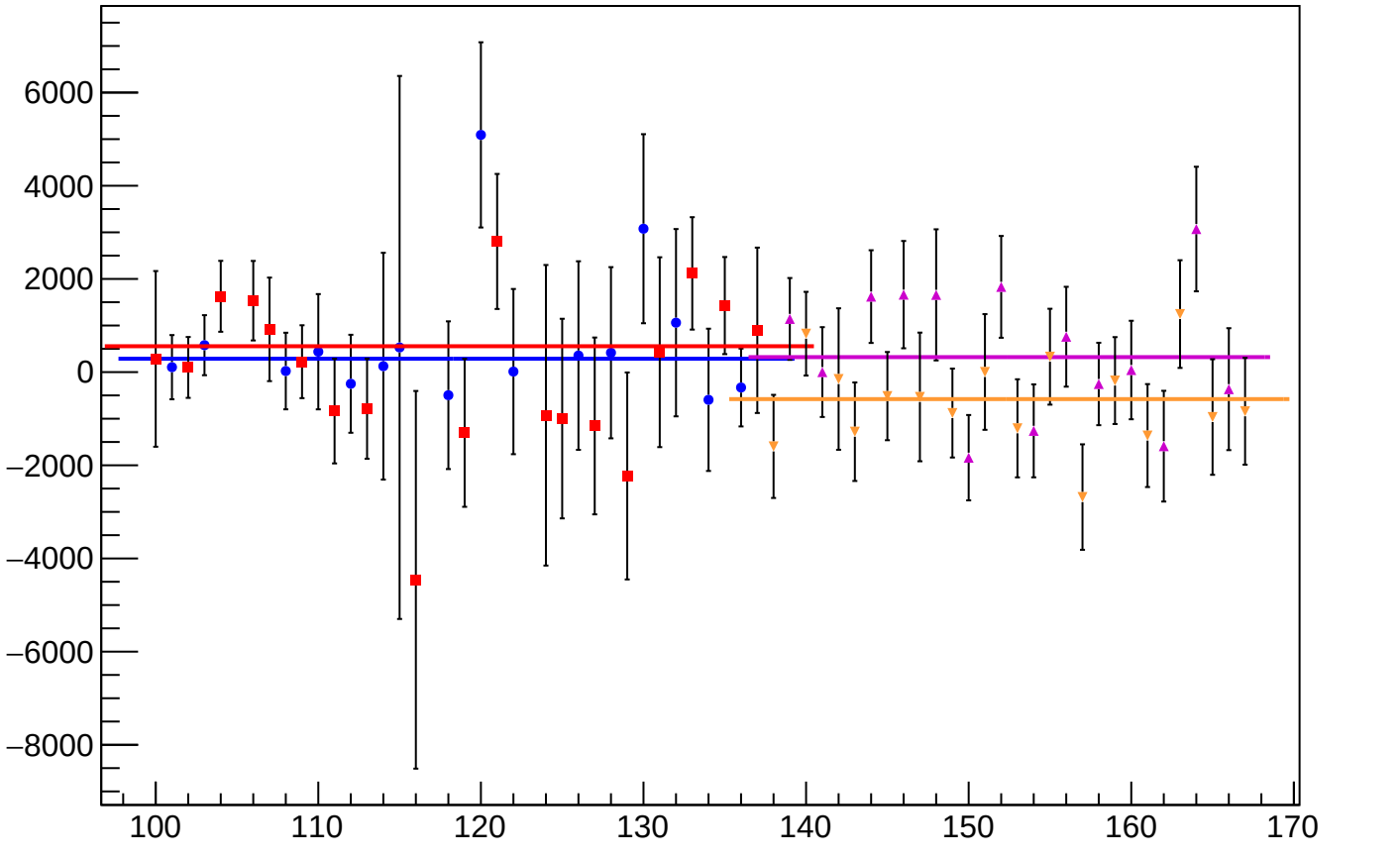
Left: 150.768+/-0.022 χ^2/NDF: 597781.6/29

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 125.945+/-0.021 χ^2/NDF:2458868.3/29

Out: 121.706+/-0.020 χ^2/NDF:2879670.5/34

All: 123.690+/-0.015 χ^2/NDF: 5359649.4/64



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -579.224+/-271.879 χ^2/NDF:12.0/15

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 321.669+/-282.014 χ^2/NDF:22.7/13

Left: -145.256+/-195.732 χ^2/NDF: 40.0/29

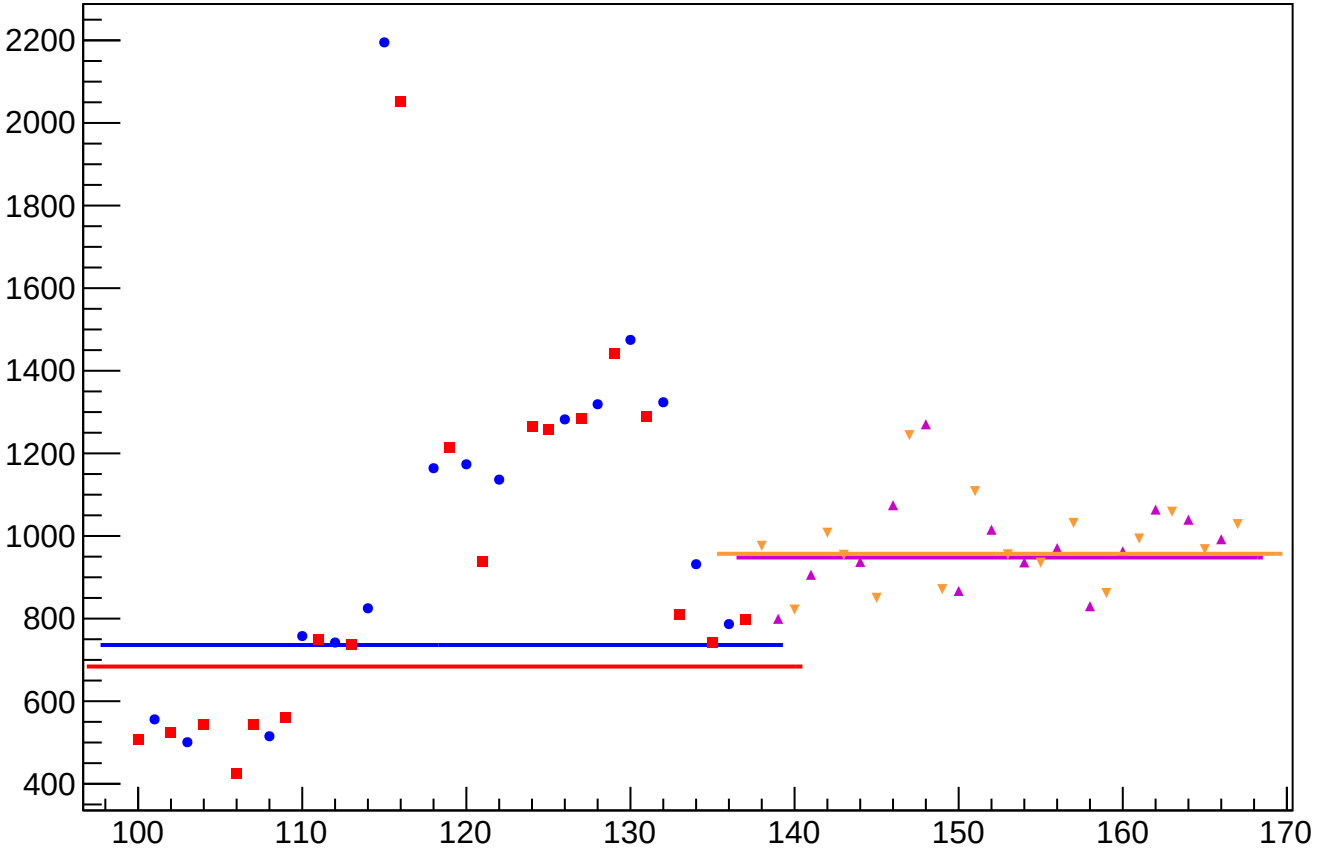
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 304.985+/-203.344 χ^2/NDF:32.4/29

Out: -7.861+/-191.563 χ^2/NDF:38.8/34

All: 139.237+/-139.435 χ^2/NDF: 72.5/64

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 956.946+/-0.192 χ^2/NDF:262095.1/15

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 947.907+/-0.199 χ^2/NDF:281516.3/13

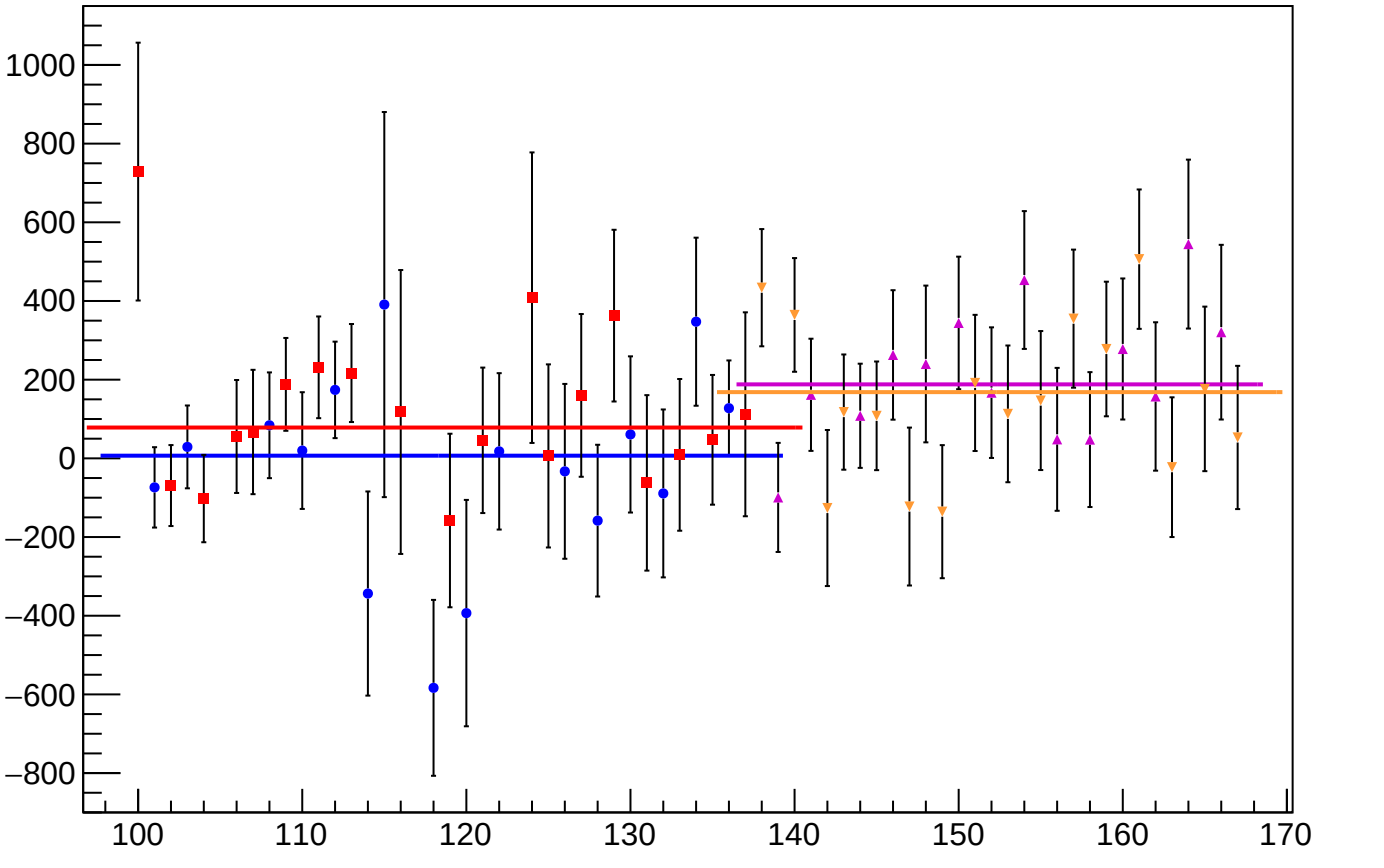
Left: 952.592+/-0.138 χ^2/NDF: 544676.2/29

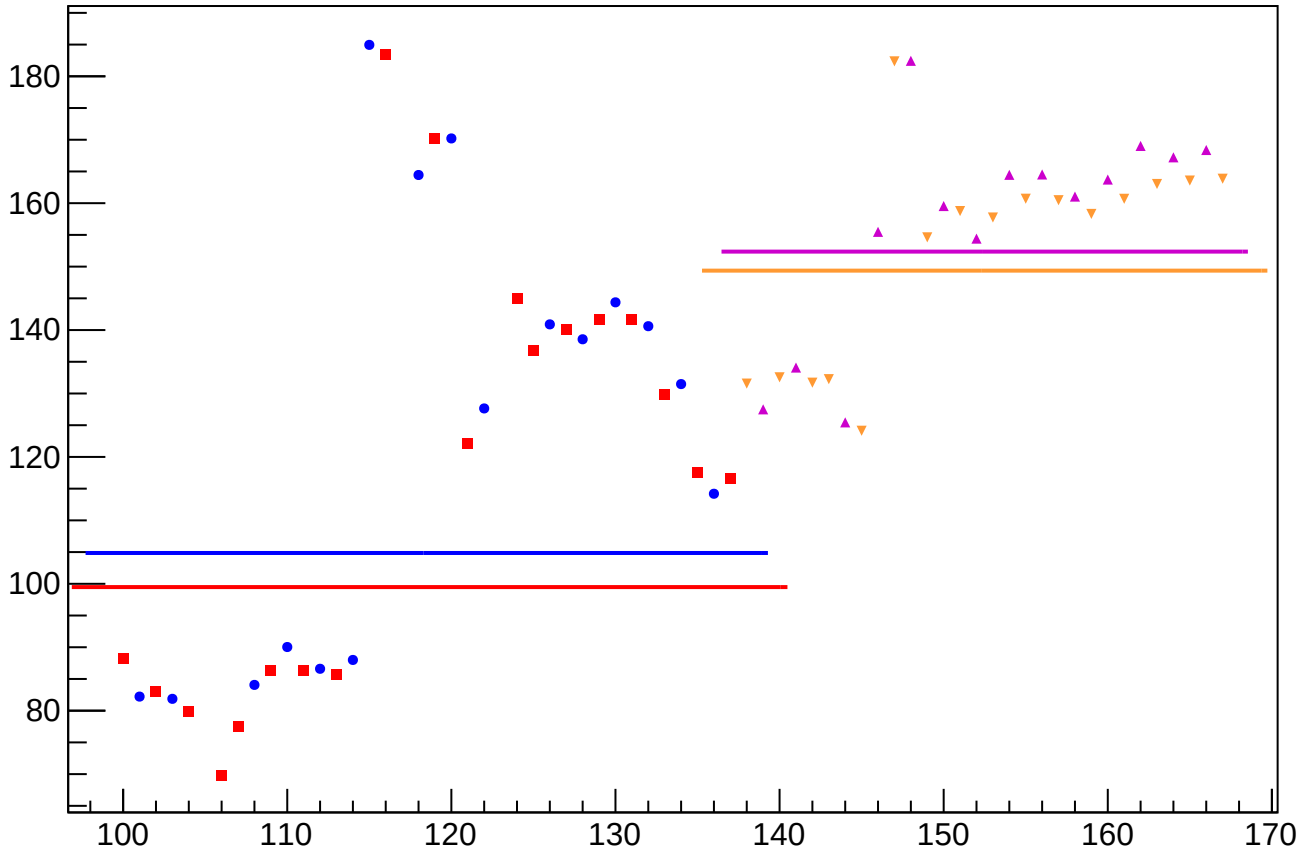
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 846.212+/-0.144 χ^2/NDF:2667723.9/29

Out: 819.493+/-0.135 χ^2/NDF:3127667.9/34

All: 832.056+/-0.099 χ^2/NDF: 5813686.0/64


eigen_cor_asym_sam5_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 168.355+/-42.295 χ²/NDF:19.7/15
Right Out: 78.347+/-37.909 χ²/NDF: 16.7/18
Left In: 188.058+/-45.172 χ²/NDF:12.8/13
Left: 177.559+/-30.874 χ²/NDF: 32.6/29
Right: 44.806+/-27.629 χ²/NDF: 37.1/34
In: 87.248+/-30.094 χ²/NDF:40.5/29
Out: 118.444+/-28.229 χ²/NDF:38.9/34
All: 103.842+/-20.589 χ²/NDF: 80.0/64



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 149.367+/-0.030 χ^2/NDF:295719.4/15

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 152.366+/-0.032 χ^2/NDF:297365.3/13

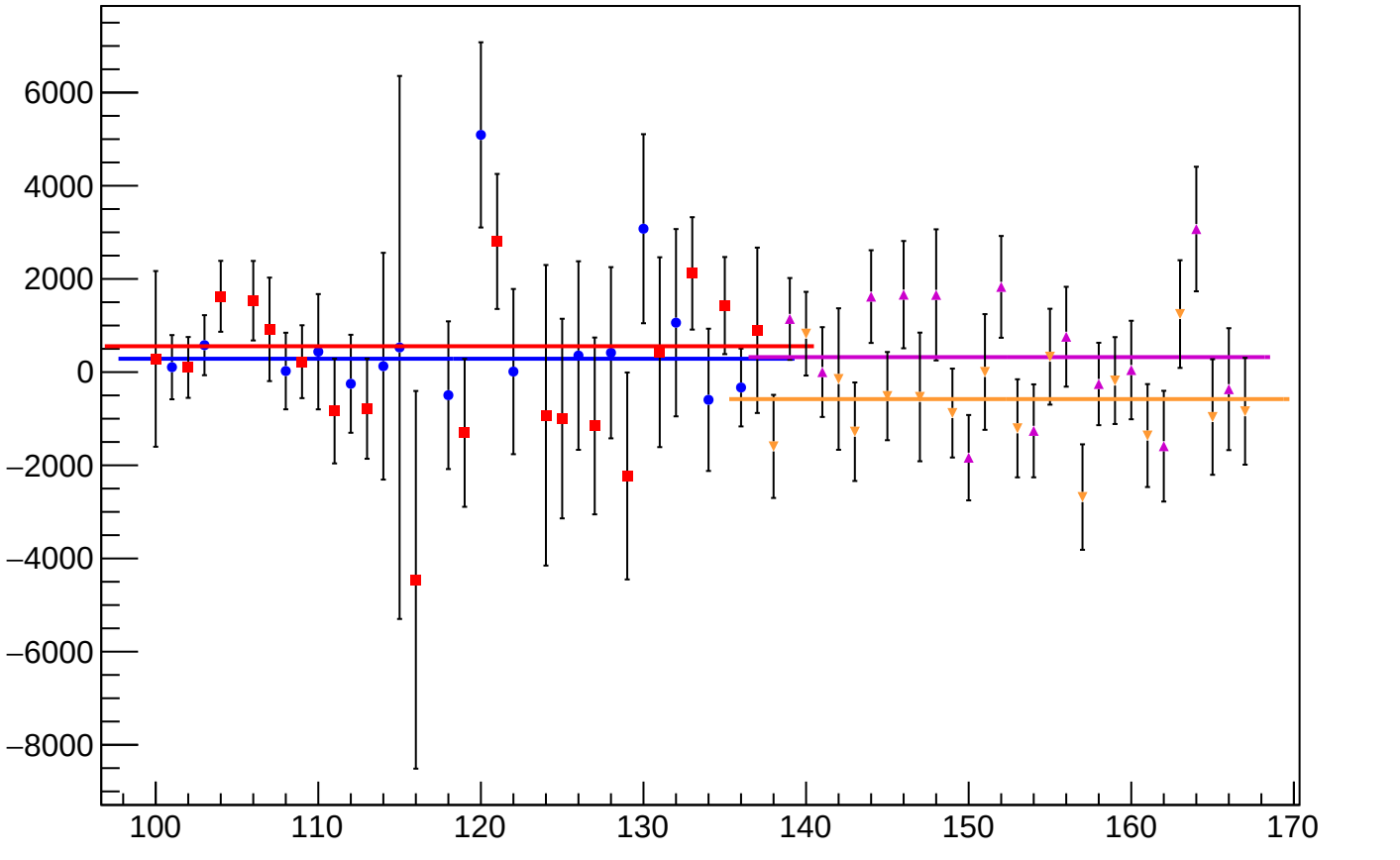
Left: 150.768+/-0.022 χ^2/NDF: 597781.6/29

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 125.945+/-0.021 χ^2/NDF:2458868.3/29

Out: 121.706+/-0.020 χ^2/NDF:2879670.5/34

All: 123.690+/-0.015 χ^2/NDF: 5359649.4/64



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -579.224+/-271.879 χ^2/NDF:12.0/15

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 321.669+/-282.014 χ^2/NDF:22.7/13

Left: -145.256+/-195.732 χ^2/NDF: 40.0/29

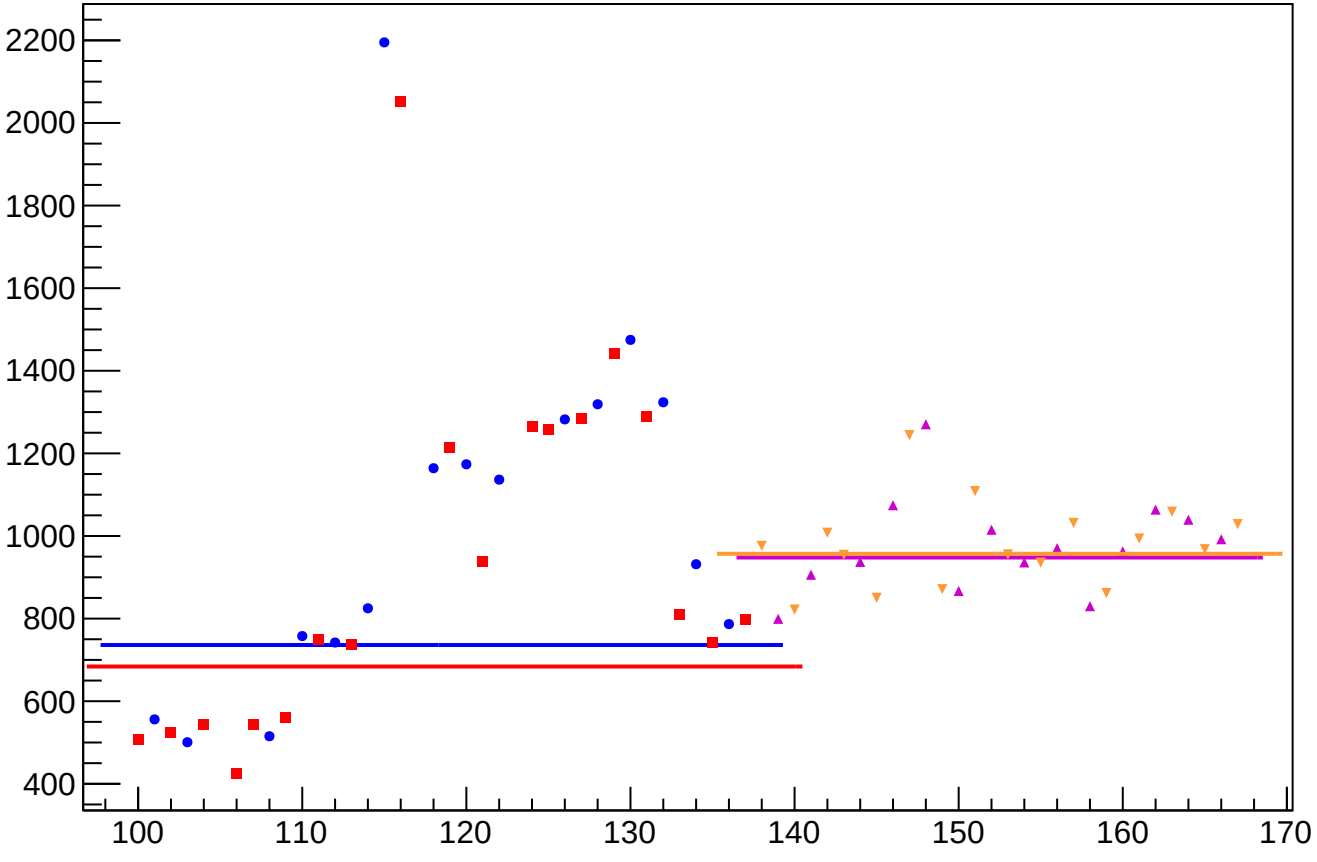
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 304.985+/-203.344 χ^2/NDF:32.4/29

Out: -7.861+/-191.563 χ^2/NDF:38.8/34

All: 139.237+/-139.435 χ^2/NDF: 72.5/64

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 956.946+/-0.192 χ^2/NDF:262095.1/15

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 947.907+/-0.199 χ^2/NDF:281516.3/13

Left: 952.592+/-0.138 χ^2/NDF: 544676.2/29

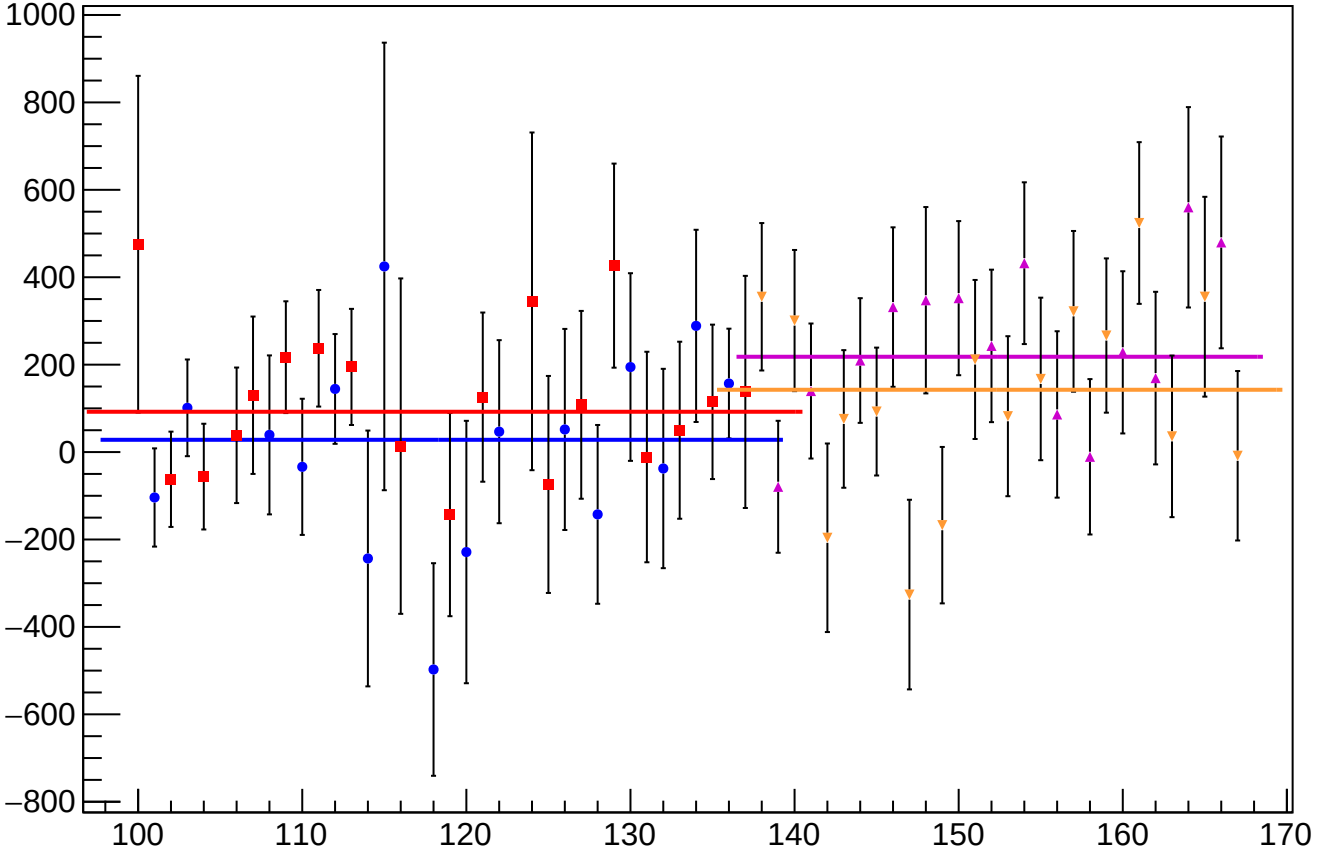
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 846.212+/-0.144 χ^2/NDF:2667723.9/29

Out: 819.493+/-0.135 χ^2/NDF:3127667.9/34

All: 832.056+/-0.099 χ^2/NDF: 5813686.0/64

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 142.563+/-45.200 χ^2/NDF:20.8/15

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 218.072+/-48.154 χ^2/NDF:12.4/13

Left: 177.931+/-32.956 χ^2/NDF: 34.5/29

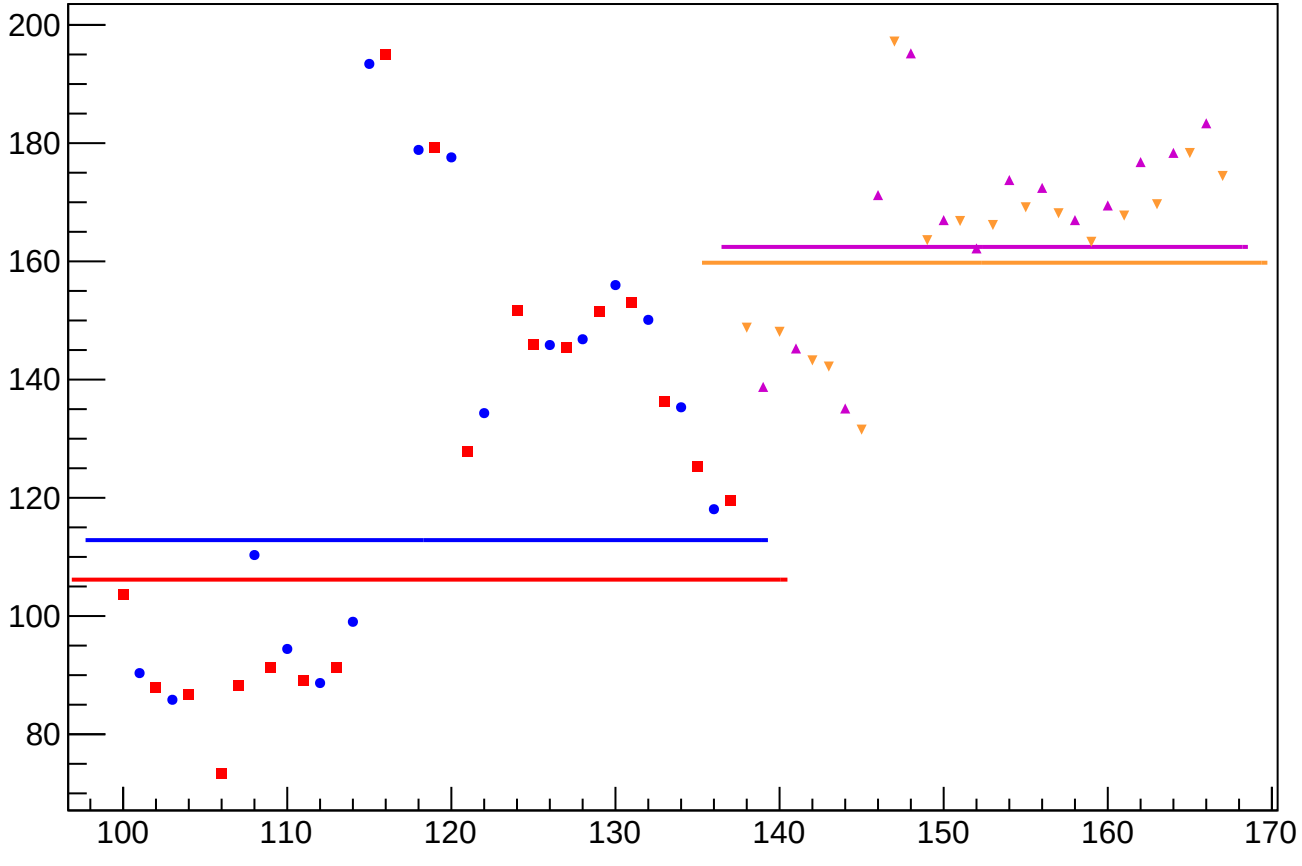
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 113.329+/-32.254 χ^2/NDF:34.6/29

Out: 114.678+/-30.179 χ^2/NDF:33.1/34

All: 114.048+/-22.037 χ^2/NDF: 67.7/64

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 159.771+/-0.032 χ^2/NDF:240091.2/15

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 162.446+/-0.034 χ^2/NDF:252805.6/13

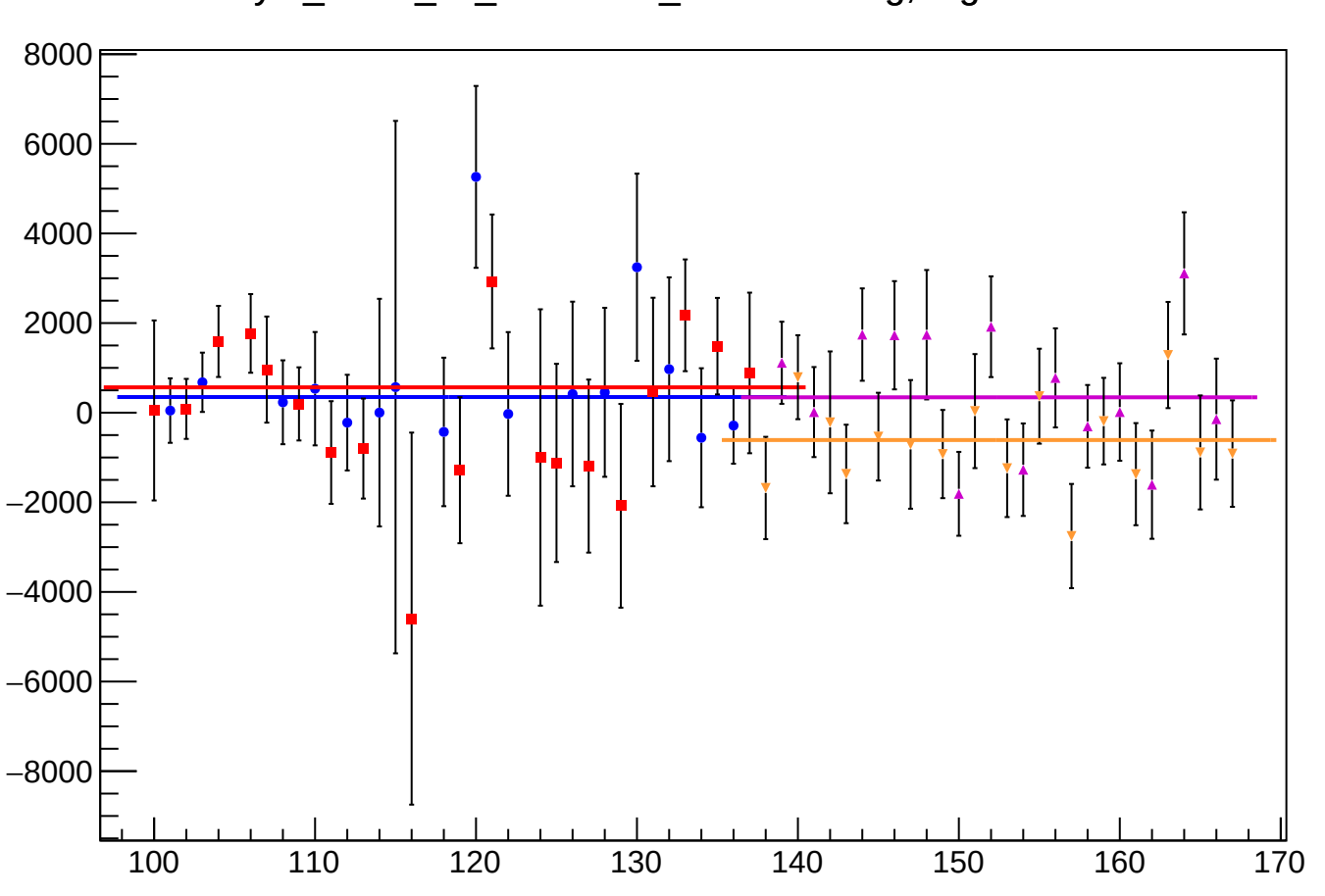
Left: 161.024+/-0.023 χ^2/NDF: 496176.2/29

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 135.097+/-0.023 χ^2/NDF:2295091.1/29

Out: 130.059+/-0.021 χ^2/NDF:2801635.0/34

All: 132.411+/-0.016 χ^2/NDF: 5122750.9/64



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -610.138+/-281.012 χ^2/NDF:11.9/15

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 343.348+/-291.508 χ^2/NDF:22.2/13

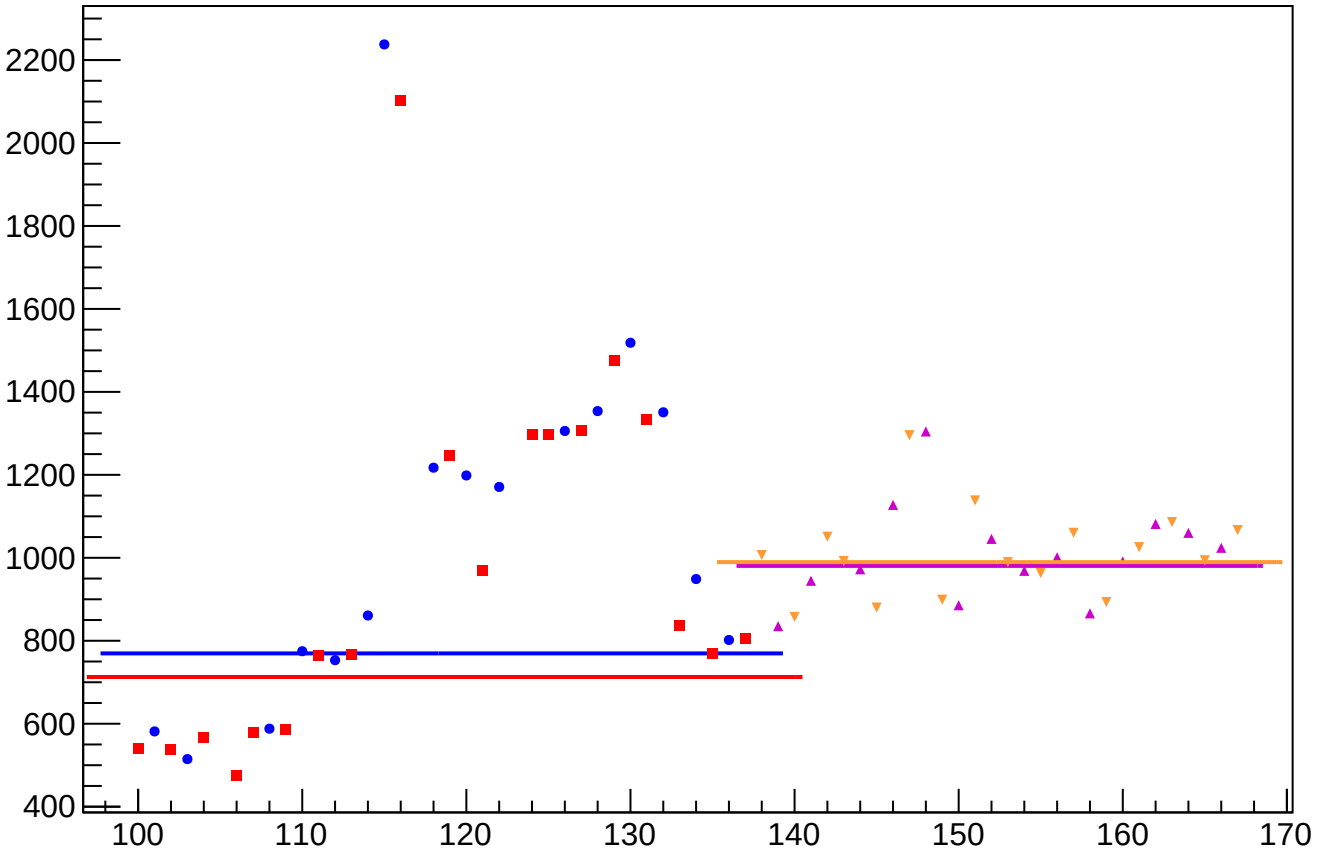
Left: -150.869+/-202.314 χ^2/NDF: 39.7/29

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 346.097+/-210.844 χ^2/NDF:32.0/29

Out: -18.291+/-198.068 χ^2/NDF:39.0/34

All: 152.530+/-144.361 χ^2/NDF: 72.6/64



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 989.678+/-0.199 χ^2/NDF:255675.9/15

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 980.538+/-0.206 χ^2/NDF:265426.2/13

Left: 985.276+/-0.143 χ^2/NDF: 522121.3/29

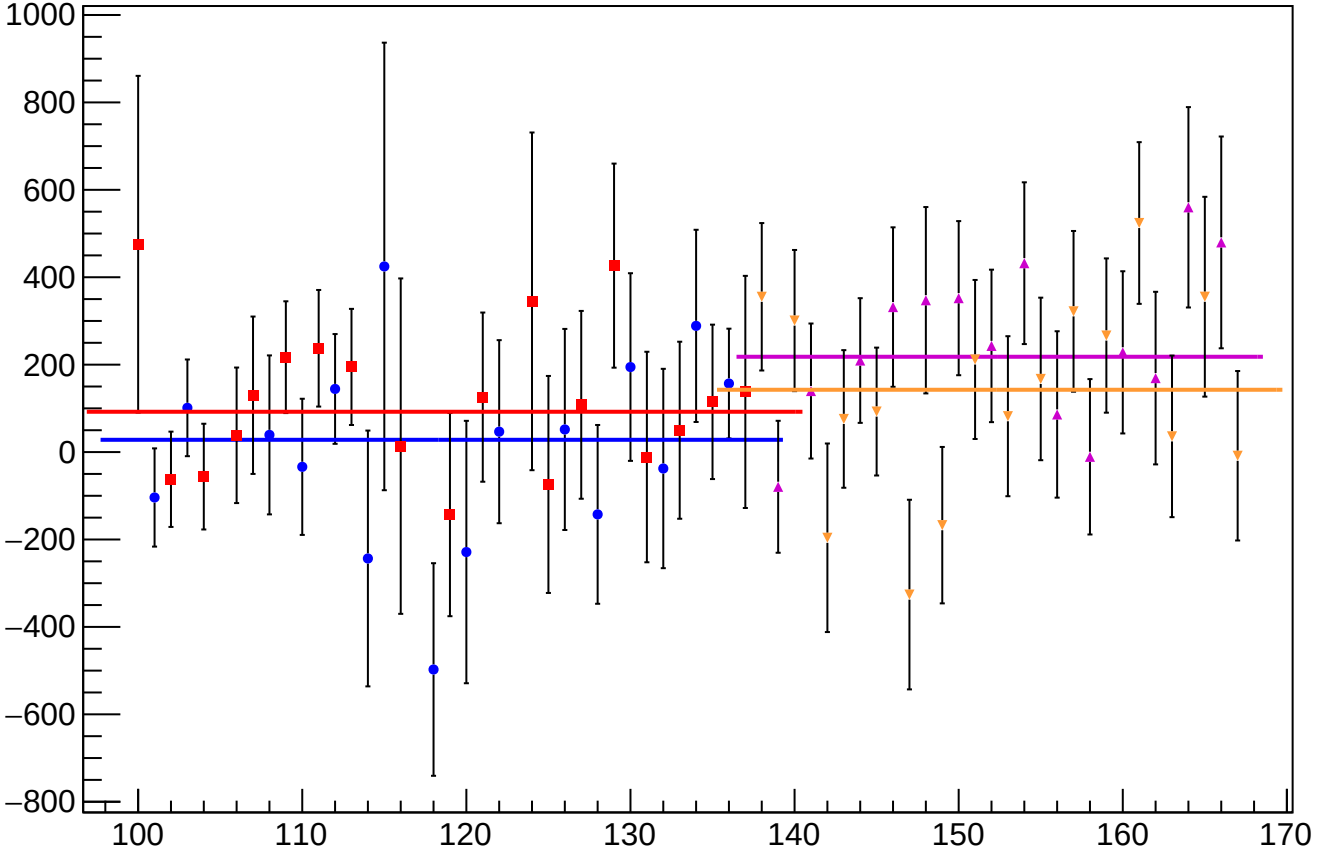
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 879.930+/-0.149 χ^2/NDF:2504939.5/29

Out: 850.267+/-0.140 χ^2/NDF:3001126.4/34

All: 864.173+/-0.102 χ^2/NDF: 5527095.4/64

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 142.564+/-45.200 χ^2/NDF:20.8/15

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 218.073+/-48.154 χ^2/NDF:12.4/13

Left: 177.932+/-32.956 χ^2/NDF: 34.5/29

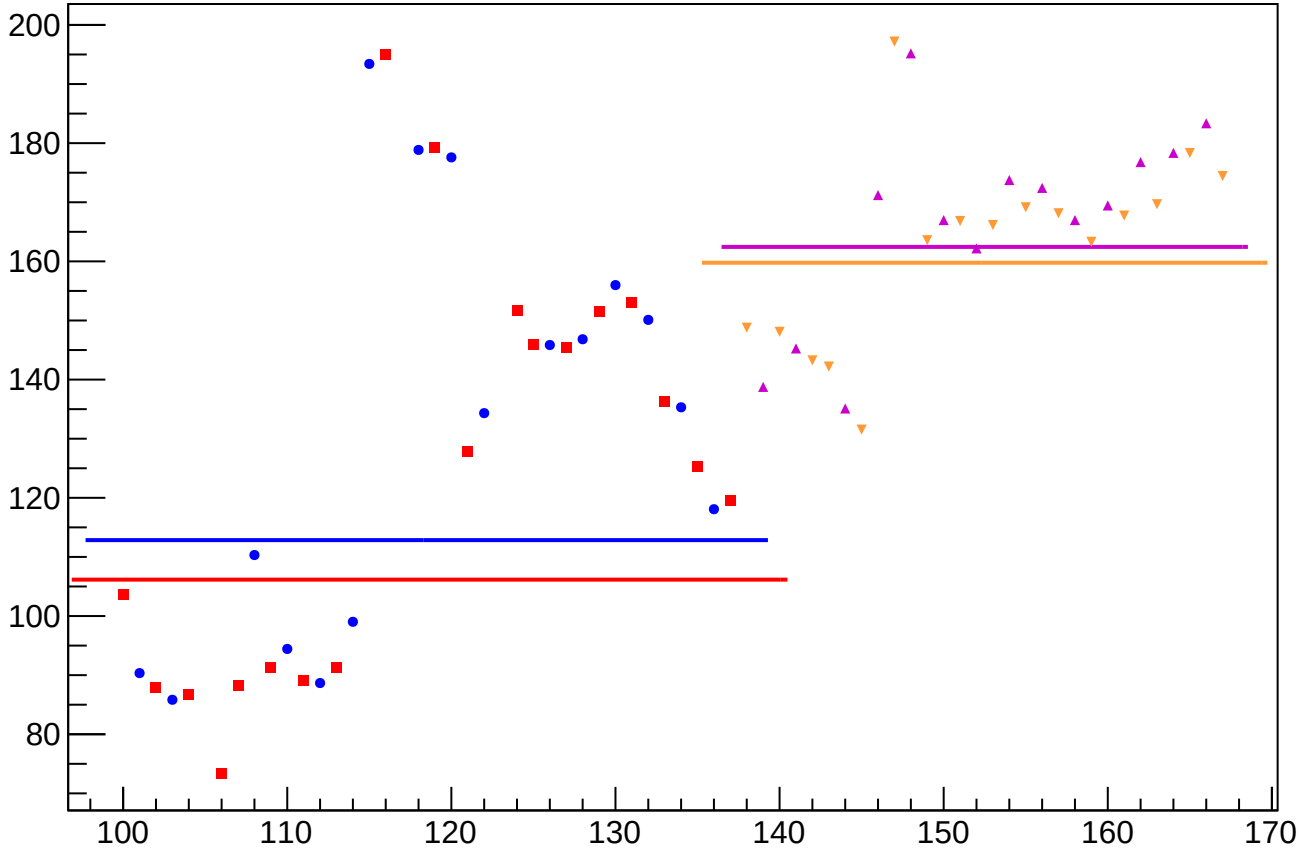
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 113.329+/-32.254 χ^2/NDF:34.6/29

Out: 114.678+/-30.179 χ^2/NDF:33.1/34

All: 114.048+/-22.037 χ^2/NDF: 67.7/64

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 159.772+/-0.032 χ^2/NDF:240091.2/15

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 162.446+/-0.034 χ^2/NDF:252800.0/13

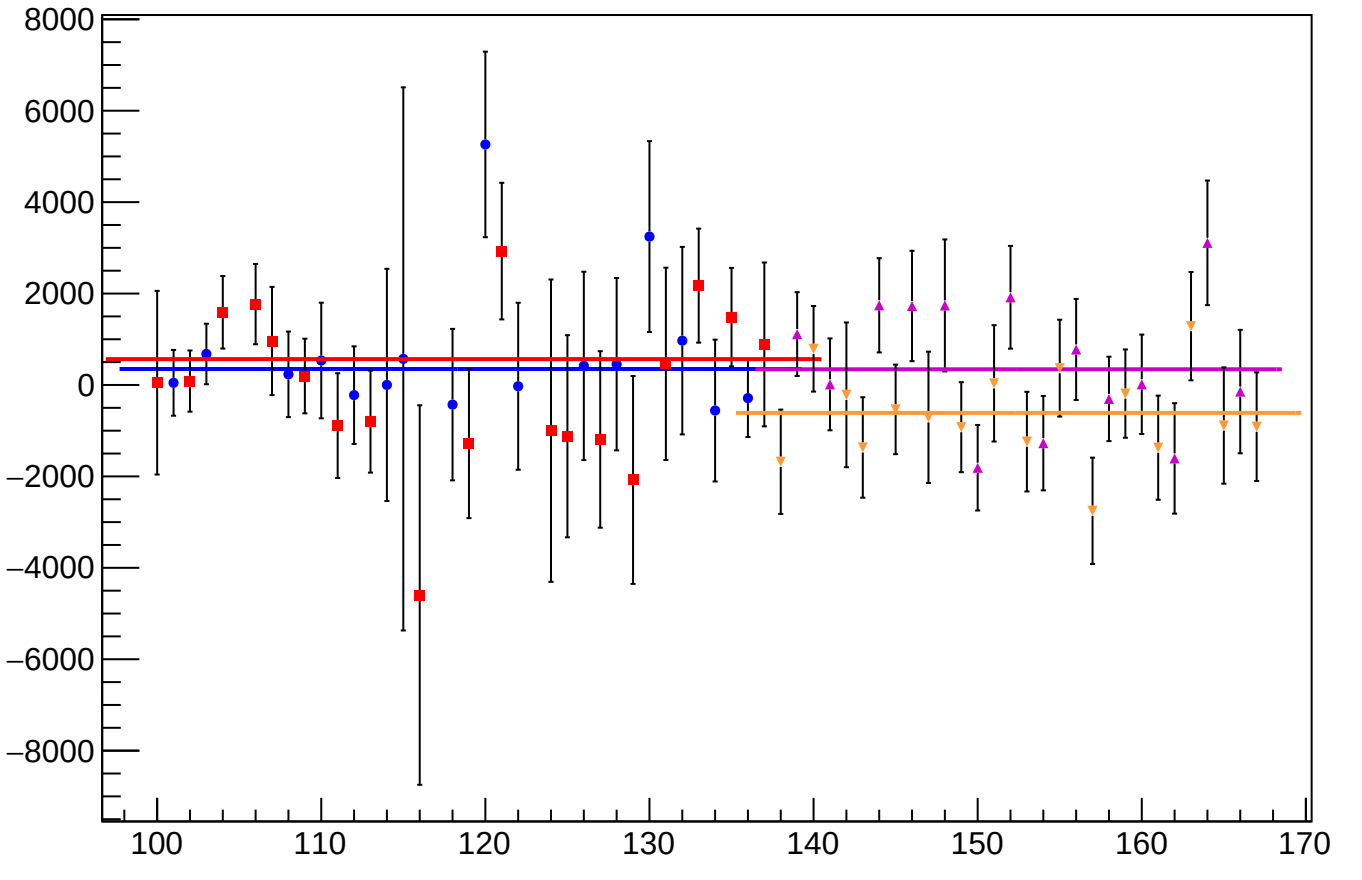
Left: 161.024+/-0.023 χ^2/NDF: 496170.9/29

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 135.097+/-0.023 χ^2/NDF:2295107.5/29

Out: 130.059+/-0.021 χ^2/NDF:2801646.6/34

All: 132.411+/-0.016 χ^2/NDF: 5122778.7/64



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -610.137+/-281.012 χ^2/NDF:11.9/15

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 343.348+/-291.508 χ^2/NDF:22.2/13

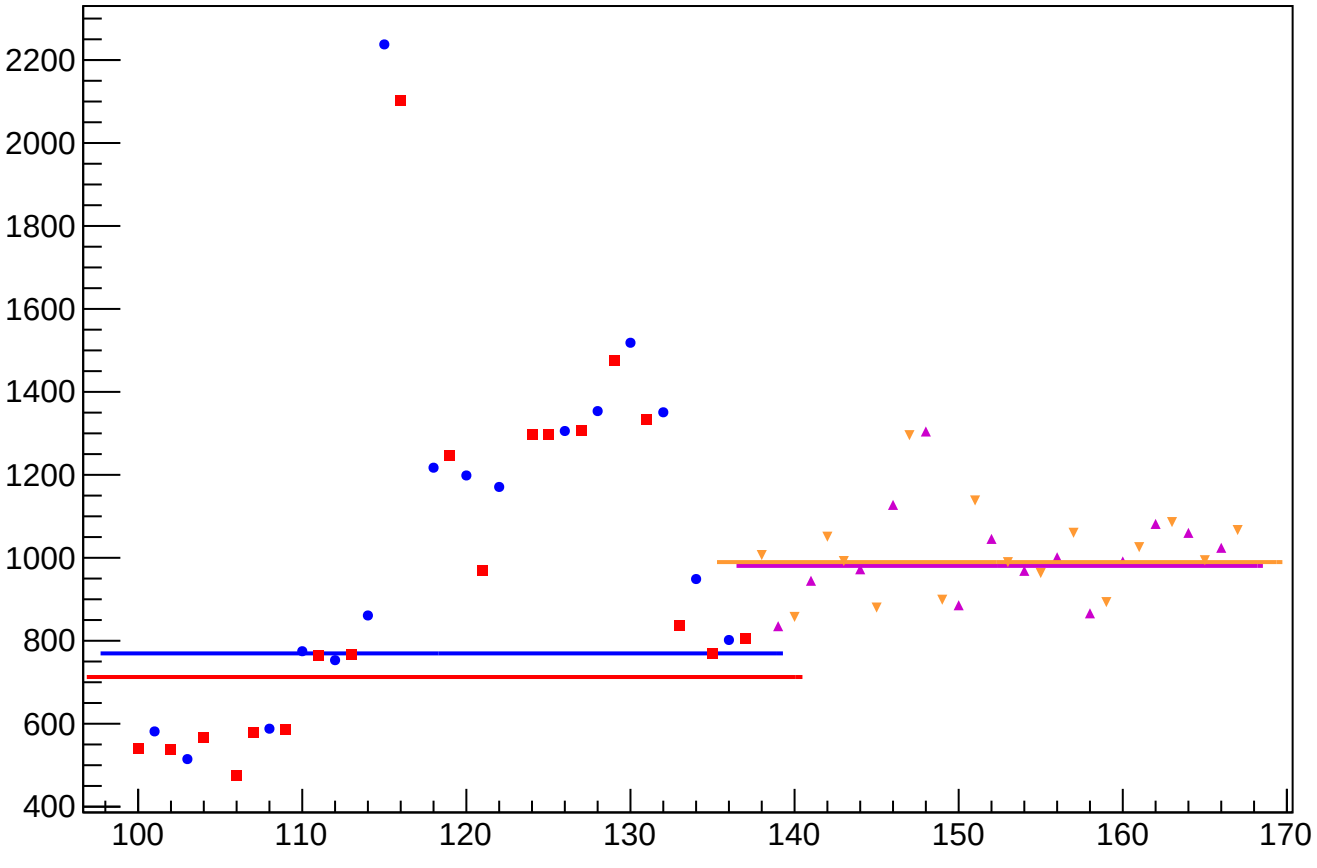
Left: -150.869+/-202.315 χ^2/NDF: 39.7/29

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 346.096+/-210.844 χ^2/NDF:32.0/29

Out: -18.289+/-198.068 χ^2/NDF:39.0/34

All: 152.531+/-144.361 χ^2/NDF: 72.6/64



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 989.680+/-0.199 χ^2/NDF:255675.4/15

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 980.539+/-0.206 χ^2/NDF:265425.4/13

Left: 985.277+/-0.143 χ^2/NDF: 522120.1/29

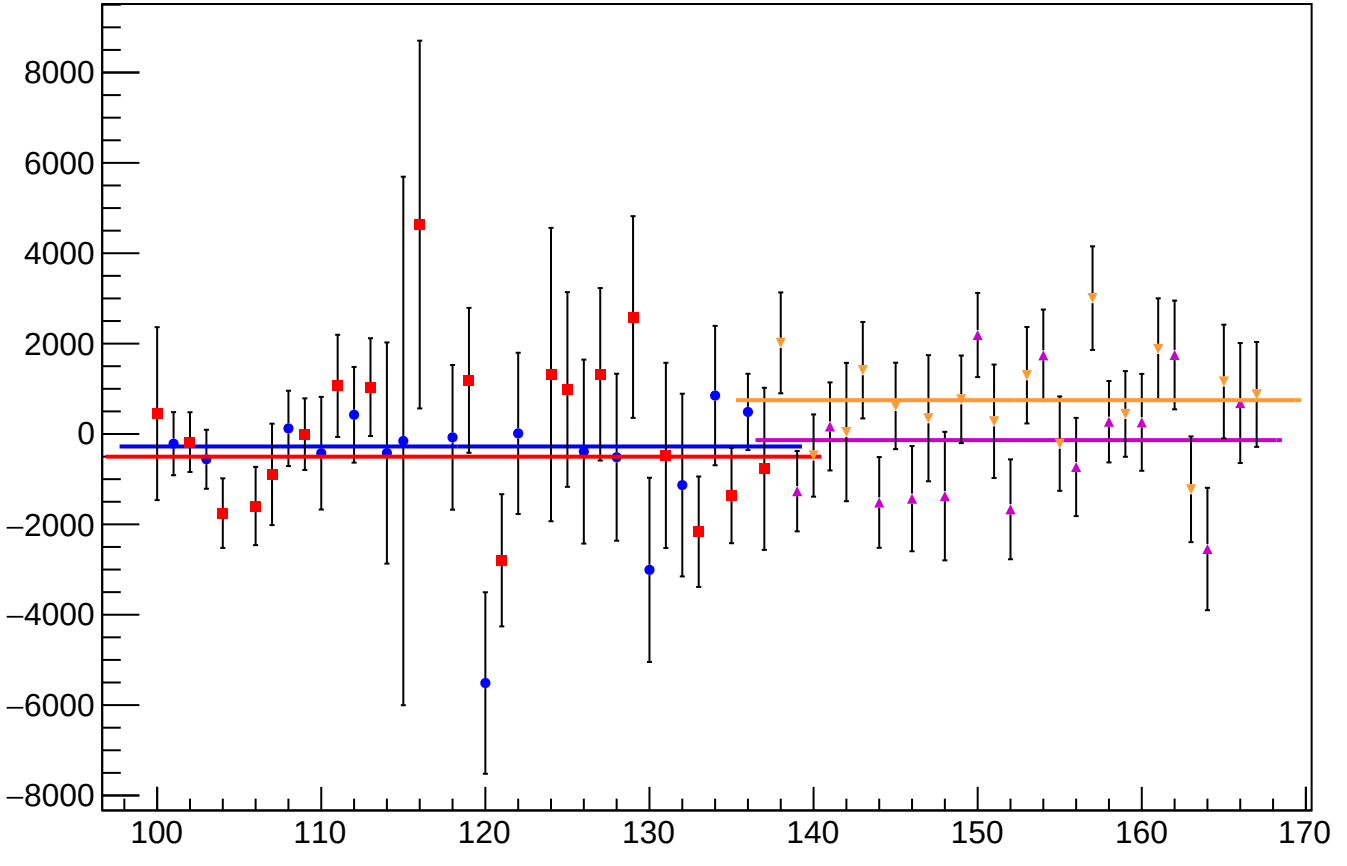
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 879.930+/-0.149 χ^2/NDF:2504947.3/29

Out: 850.266+/-0.140 χ^2/NDF:3001137.0/34

All: 864.172+/-0.102 χ^2/NDF: 5527113.9/64

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 748.566+/-275.350 χ^2/NDF:13.0/15

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -135.596+/-285.855 χ^2/NDF:23.8/13

Left: 323.029+/-198.312 χ^2/NDF: 41.8/29

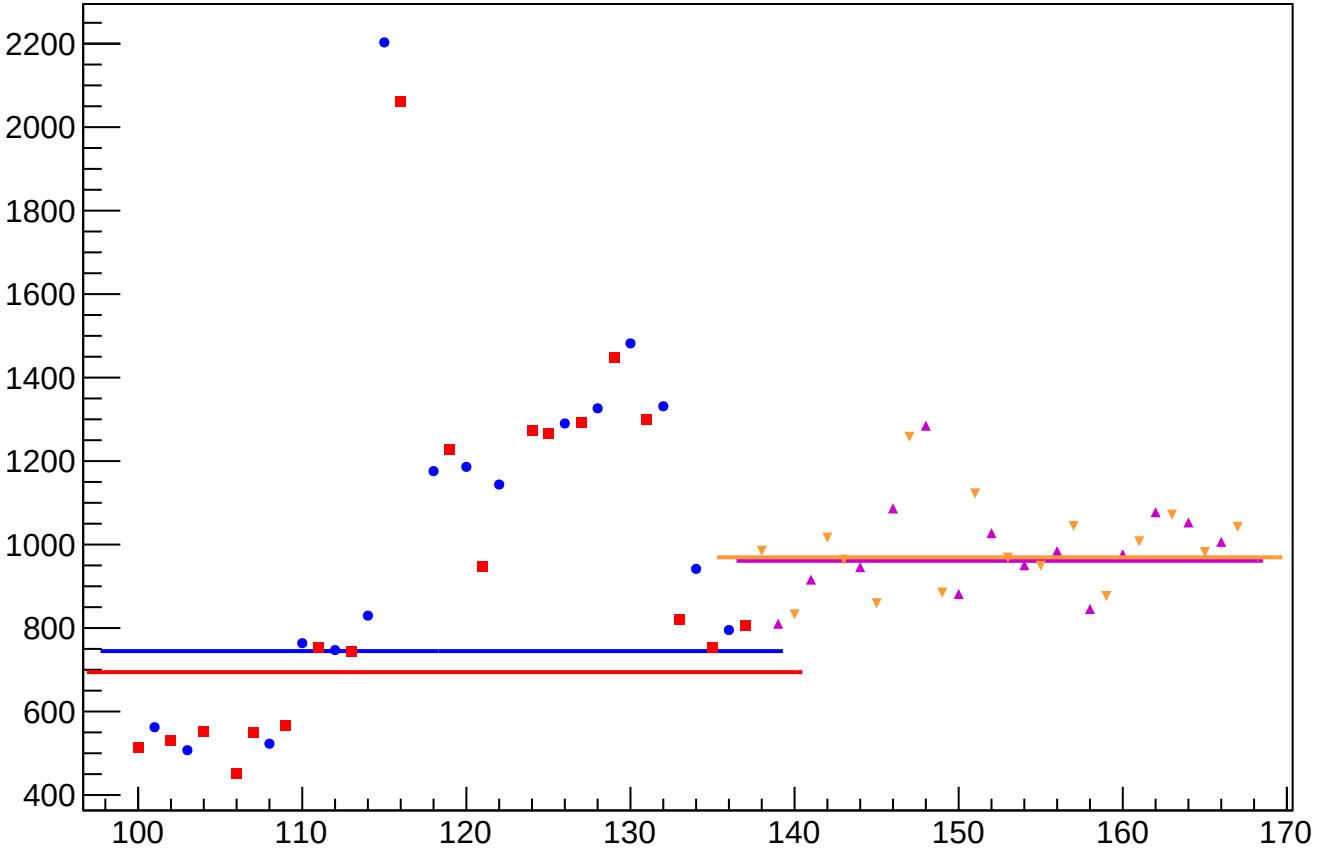
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -203.279+/-205.860 χ^2/NDF:35.0/29

Out: 117.911+/-193.862 χ^2/NDF:43.9/34

All: -33.052+/-141.132 χ^2/NDF: 80.2/64

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 969.404+/-0.195 χ^2/NDF:258523.6/15

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 961.097+/-0.202 χ^2/NDF:275443.5/13

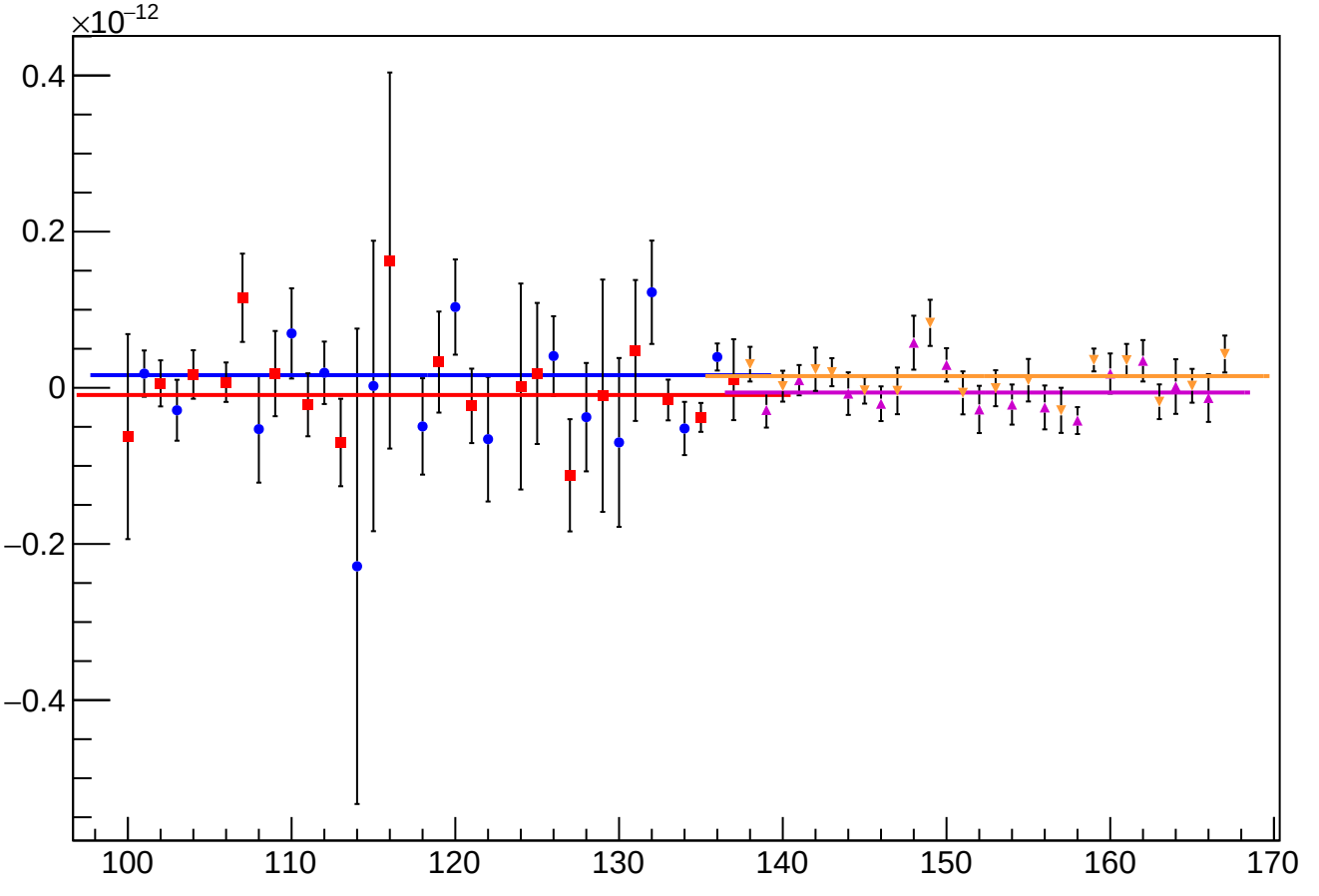
Left: 965.406+/-0.140 χ^2/NDF: 534843.1/29

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 856.968+/-0.146 χ^2/NDF:2649303.7/29

Out: 830.693+/-0.137 χ^2/NDF:3068714.0/34

All: 843.043+/-0.100 χ^2/NDF: 5735286.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/13

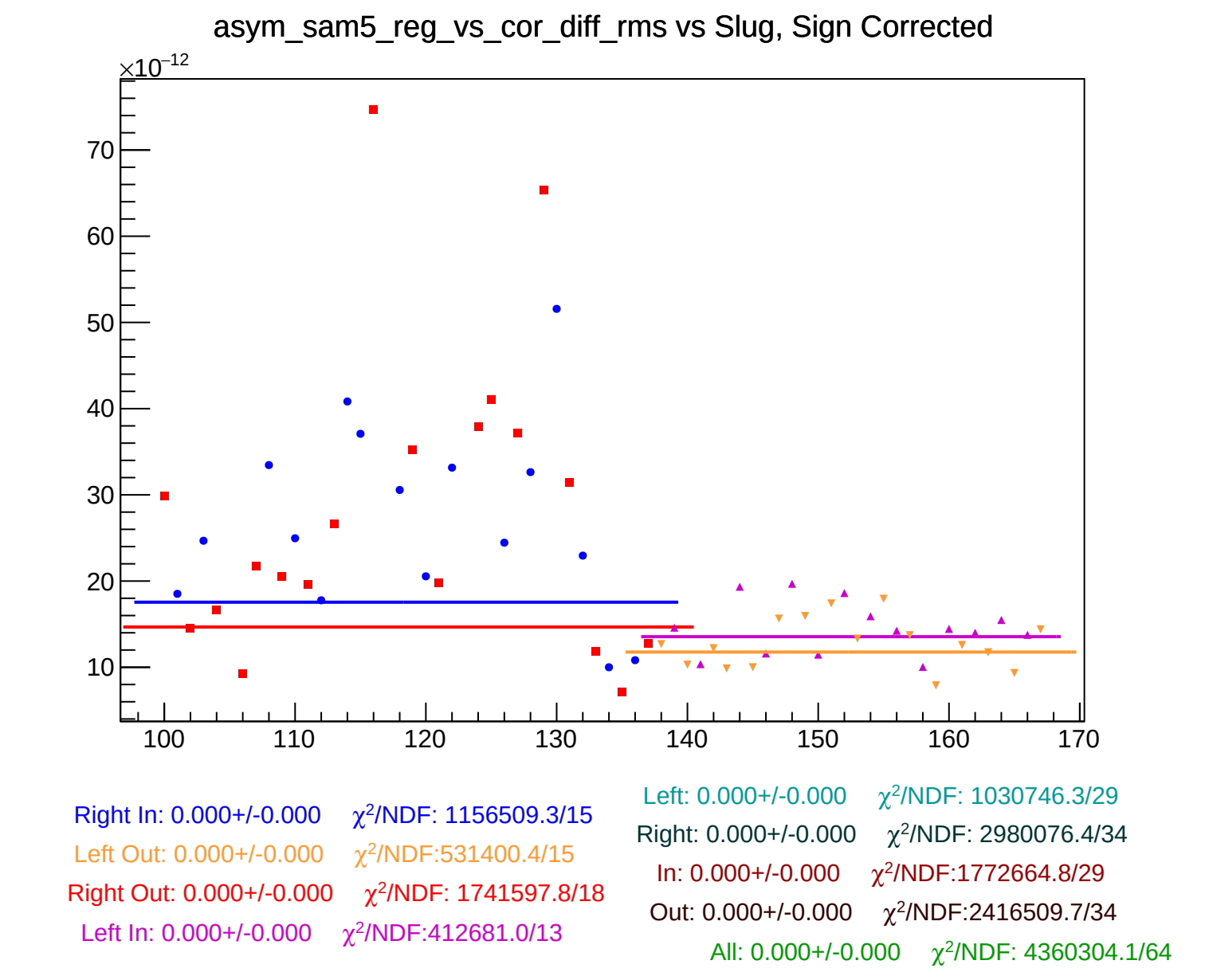
Left: 0.000+/-0.000 χ^2/NDF: 41.6/29

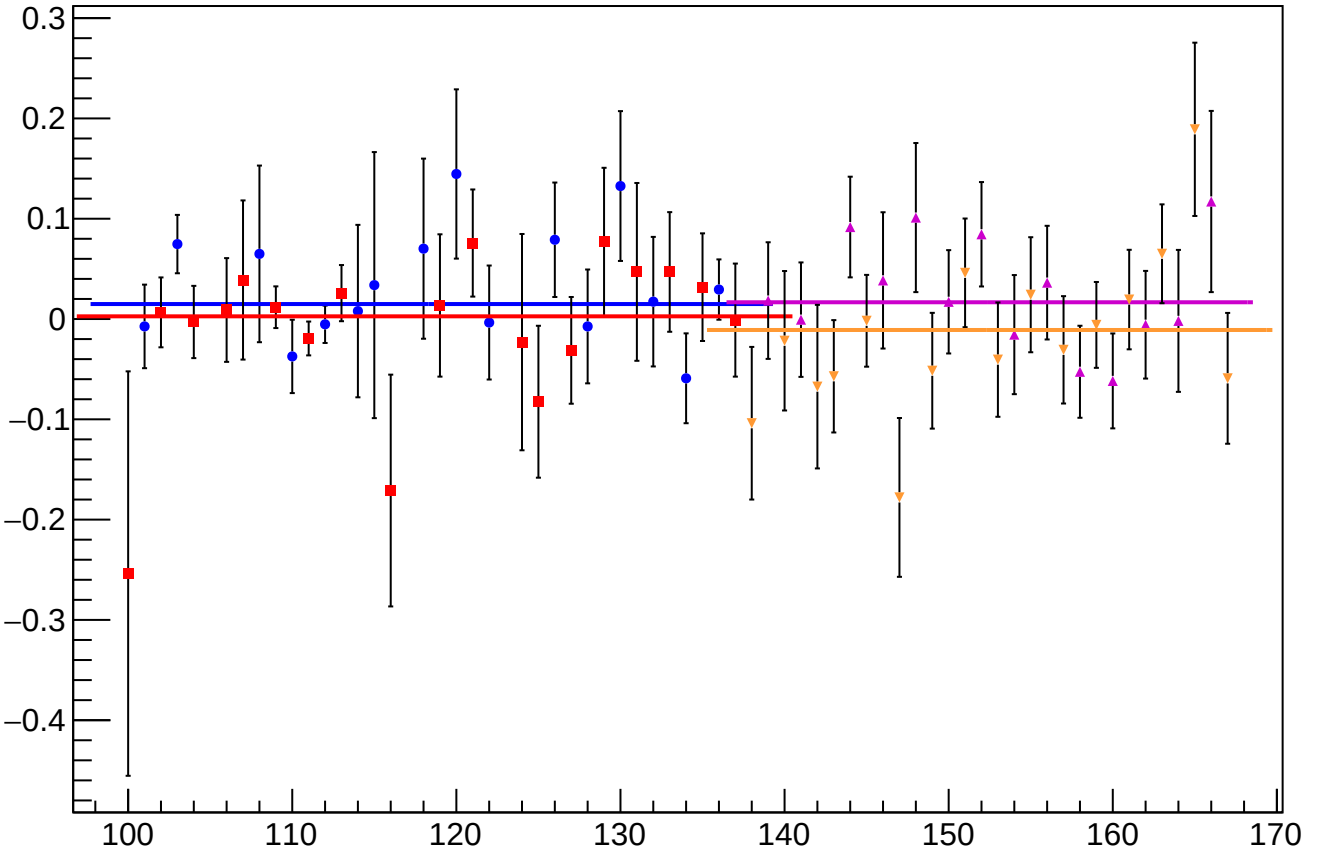
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:38.4/29

Out: 0.000+/-0.000 χ^2/NDF:37.4/34

All: 0.000+/-0.000 χ^2/NDF: 77.2/64


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:531400.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:412681.0/13
Left: 0.000+/-0.000 χ²/NDF: 1030746.3/29
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1772664.8/29
Out: 0.000+/-0.000 χ²/NDF:2416509.7/34
All: 0.000+/-0.000 χ²/NDF: 4360304.1/64



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.011+/-0.014 χ^2/NDF:18.2/15

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.017+/-0.015 χ^2/NDF:12.3/13

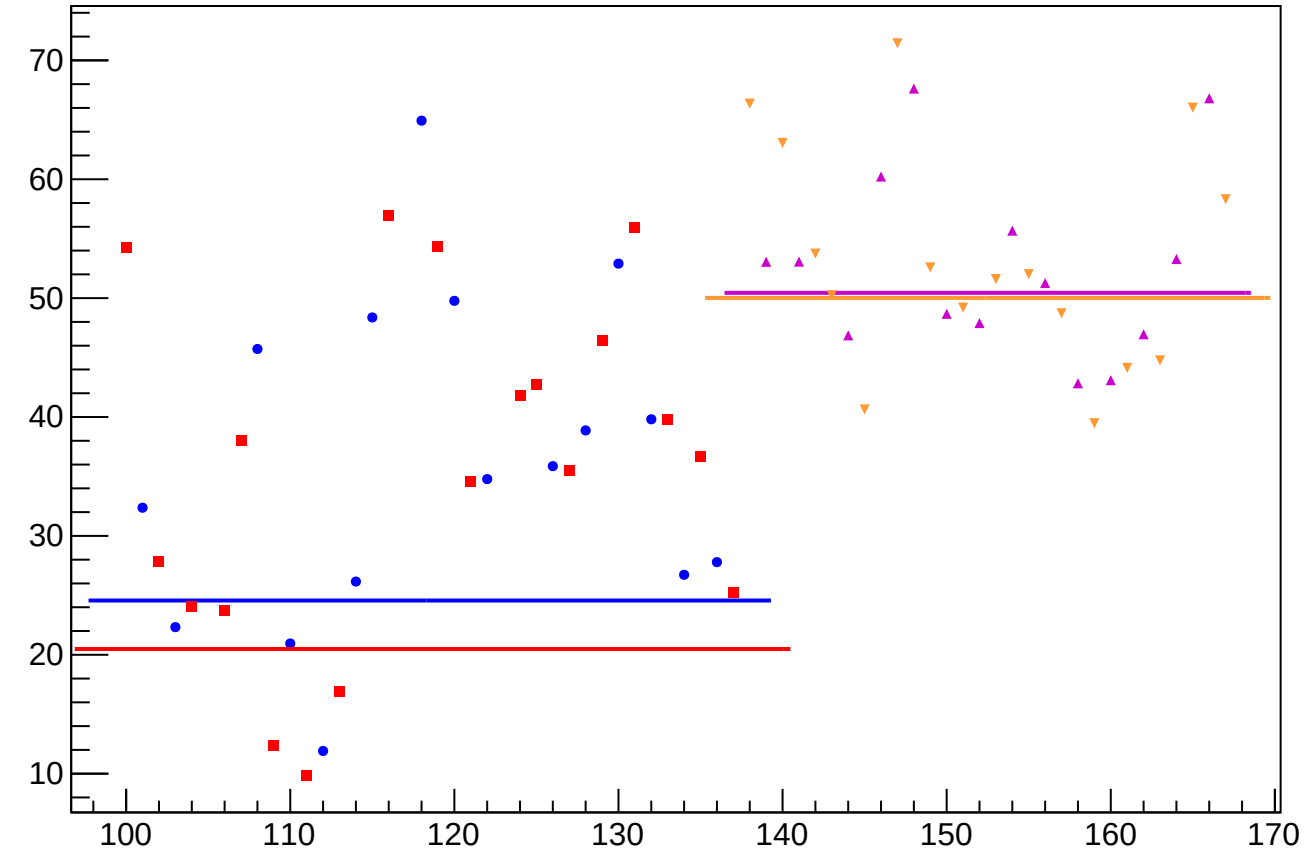
Left: 0.002+/-0.010 χ^2/NDF: 32.3/29

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.016+/-0.009 χ^2/NDF:30.1/29

Out: -0.001+/-0.008 χ^2/NDF:31.3/34

All: 0.006+/-0.006 χ^2/NDF: 63.5/64



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.021+/-0.010 χ^2/NDF:679719.3/15

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.446+/-0.011 χ^2/NDF:370330.2/13

Left: 50.222+/-0.007 χ^2/NDF: 1050875.6/29

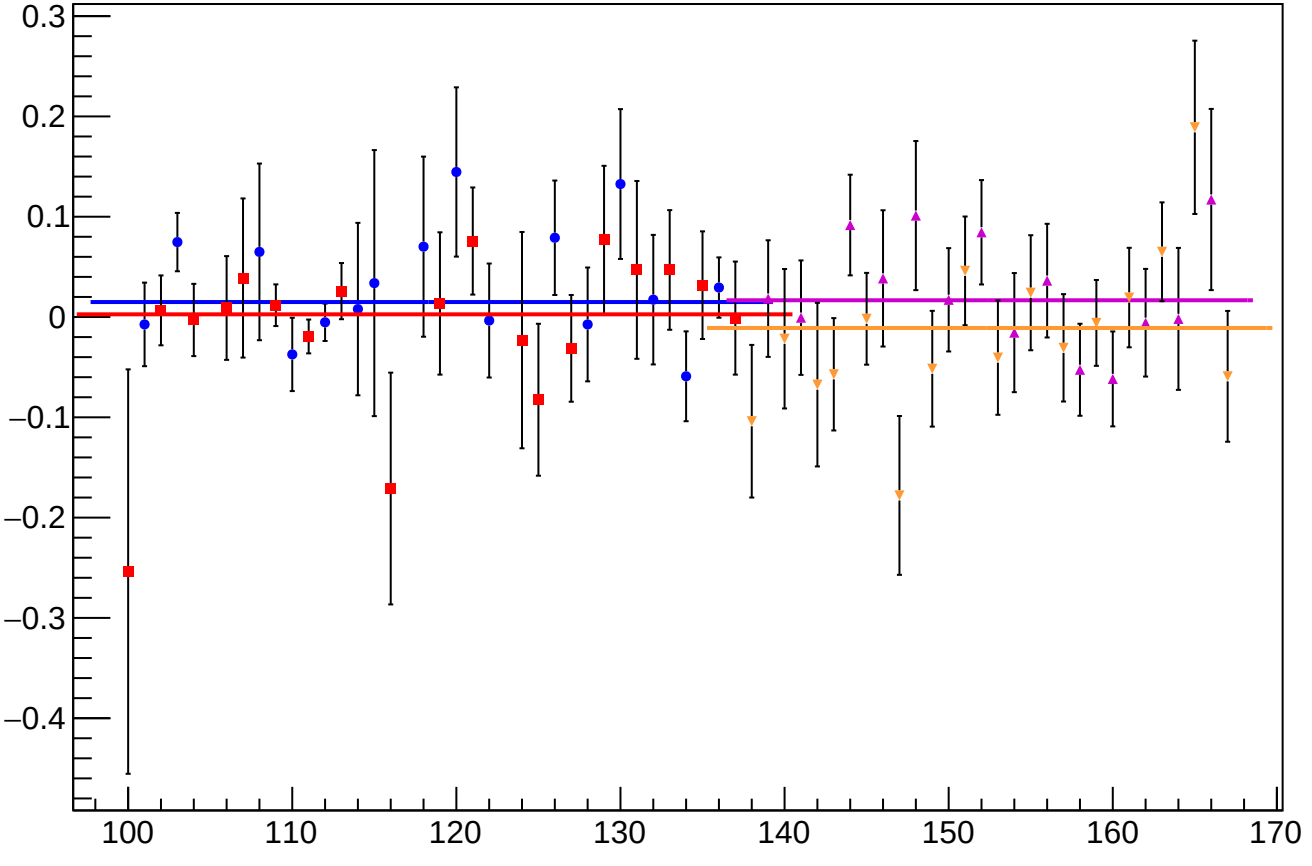
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 33.022+/-0.006 χ^2/NDF:6759724.5/29

Out: 29.080+/-0.005 χ^2/NDF:10226033.3/34

All: 30.832+/-0.004 χ^2/NDF: 17214582.3/64

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.011+/-0.014 χ^2/NDF:18.2/15

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.017+/-0.015 χ^2/NDF:12.3/13

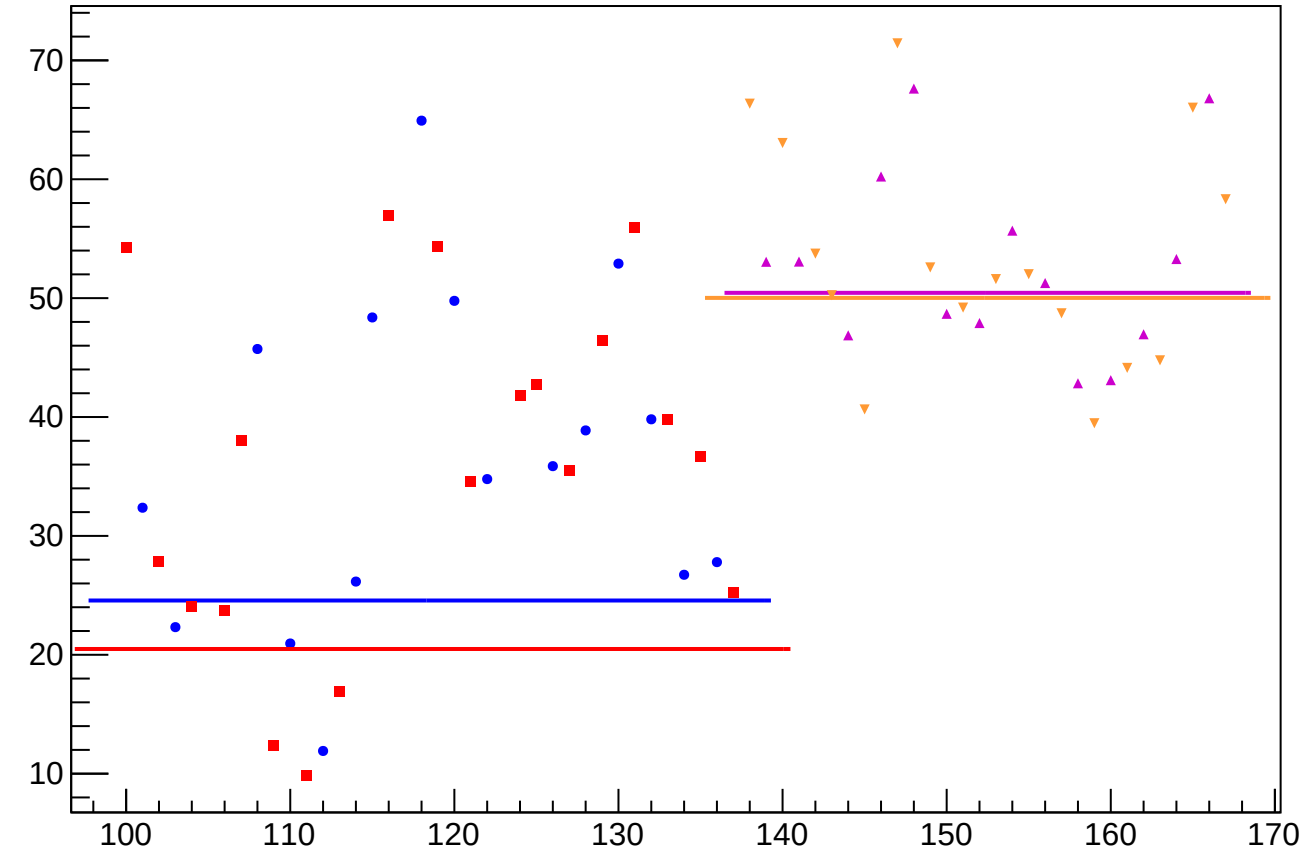
Left: 0.002+/-0.010 χ^2/NDF: 32.3/29

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.016+/-0.009 χ^2/NDF:30.1/29

Out: -0.001+/-0.008 χ^2/NDF:31.3/34

All: 0.006+/-0.006 χ^2/NDF: 63.5/64



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.021+/-0.010 χ^2/NDF:679719.3/15

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.446+/-0.011 χ^2/NDF:370330.2/13

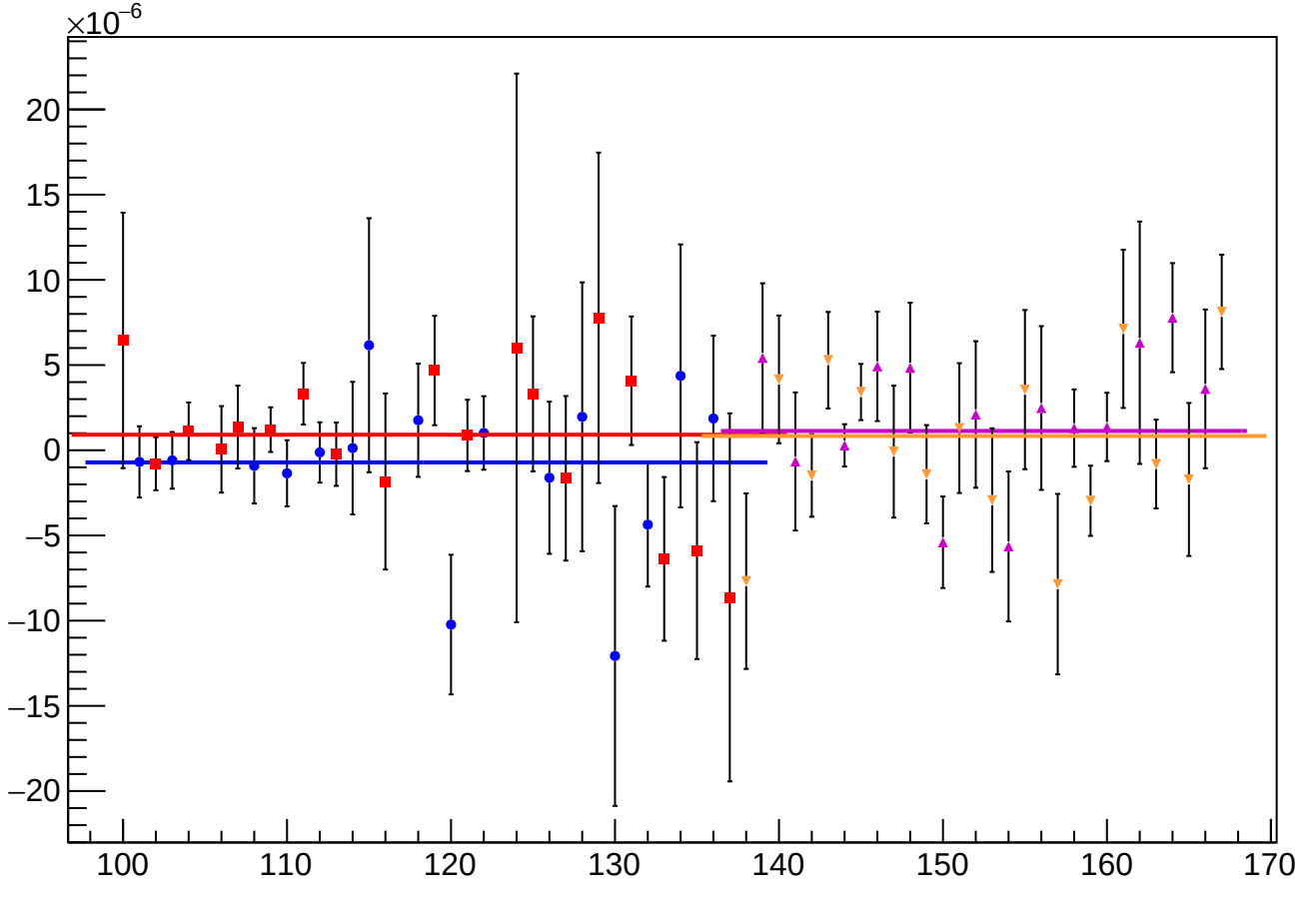
Left: 50.222+/-0.007 χ^2/NDF: 1050875.6/29

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 33.022+/-0.006 χ^2/NDF:6759724.5/29

Out: 29.080+/-0.005 χ^2/NDF:10226033.3/34

All: 30.832+/-0.004 χ^2/NDF: 17214582.3/64



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/13

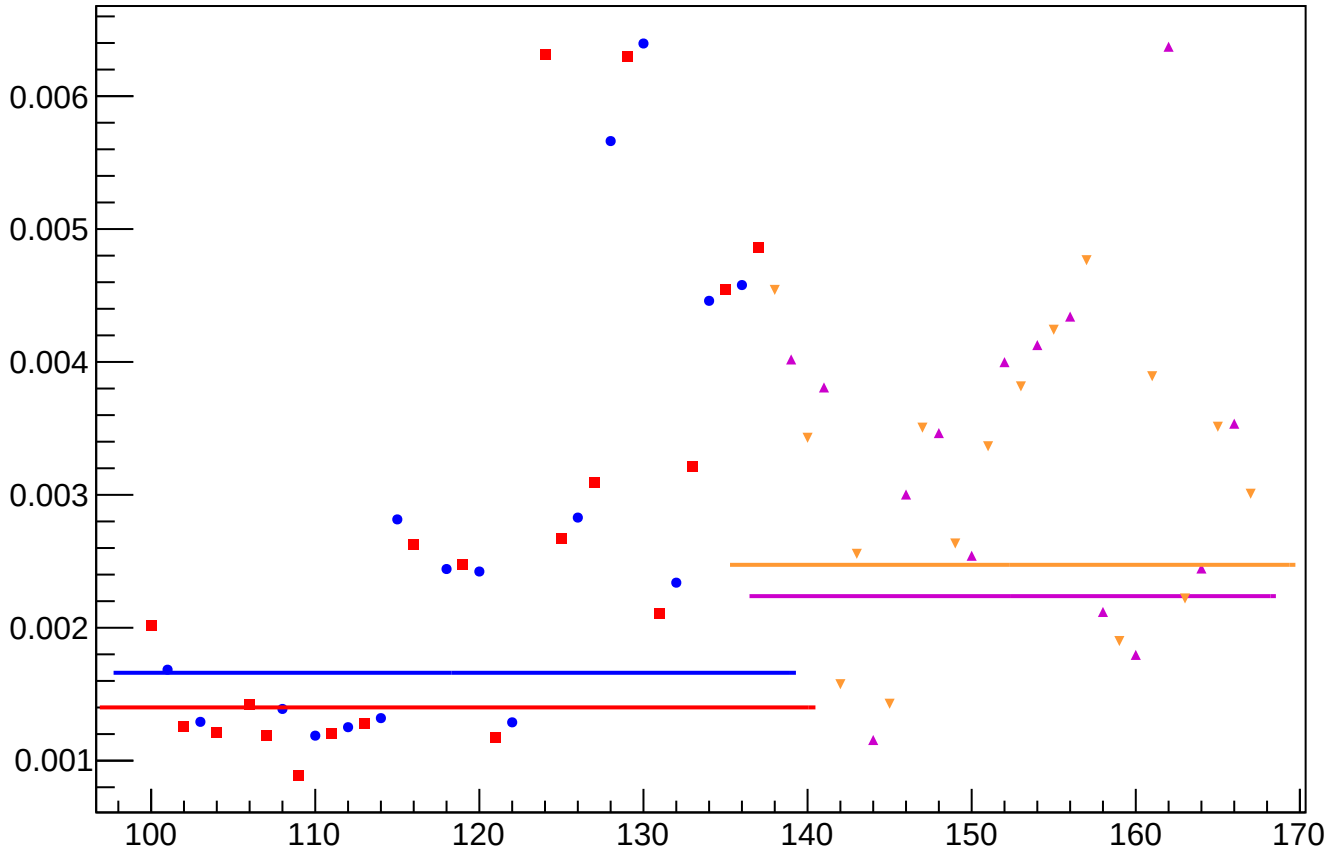
Left: 0.000+/-0.000 χ^2/NDF: 42.1/29

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: 0.000+/-0.000 χ^2/NDF:32.1/29

Out: 0.000+/-0.000 χ^2/NDF:36.4/34

All: 0.000+/-0.000 χ^2/NDF: 69.6/64



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3172503.1/15

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4526248.2/13

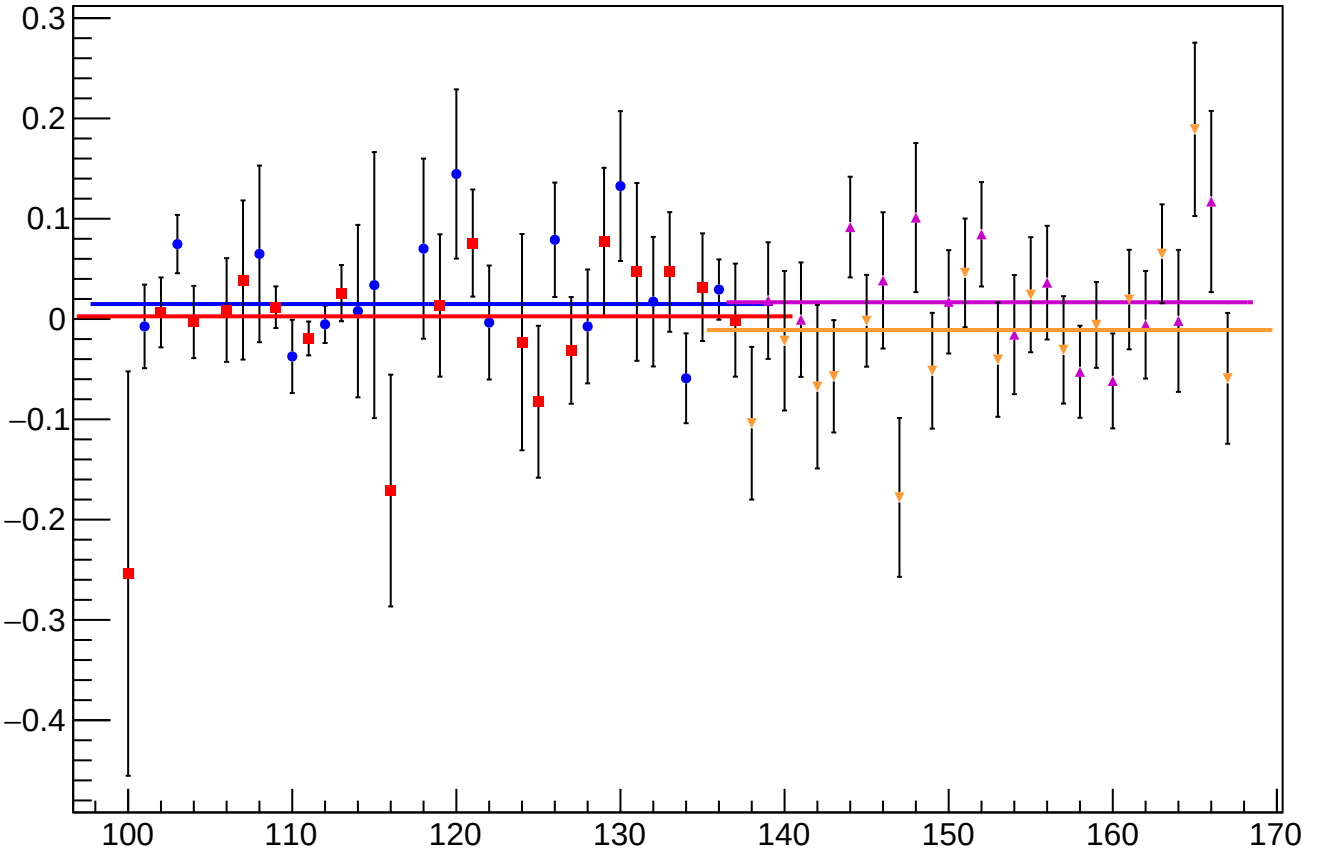
Left: 0.002+/-0.000 χ^2/NDF: 7797283.0/29

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:8108717.6/29

Out: 0.002+/-0.000 χ^2/NDF:8584035.0/34

All: 0.002+/-0.000 χ^2/NDF: 16764926.1/64



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.011+/-0.014 χ^2/NDF:18.2/15

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.017+/-0.015 χ^2/NDF:12.3/13

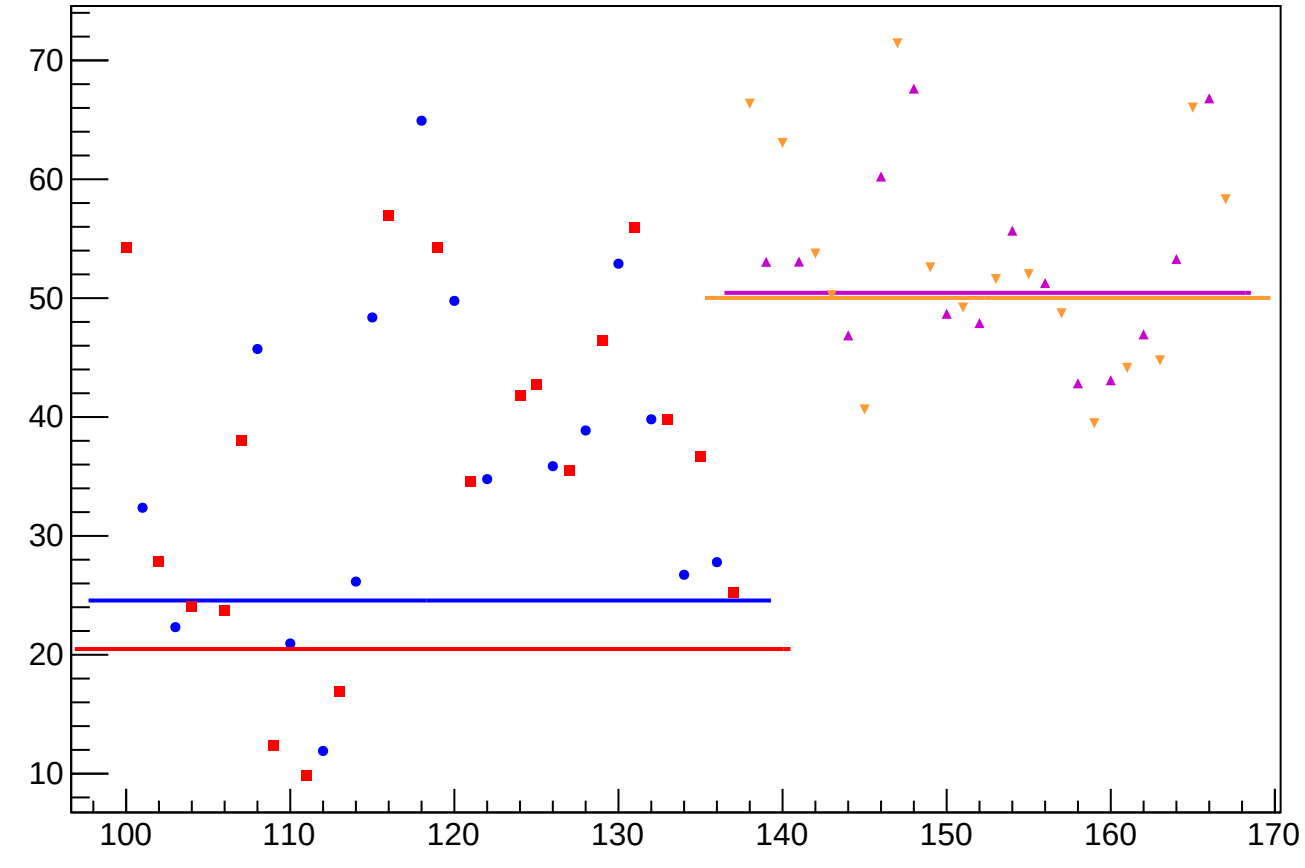
Left: 0.002+/-0.010 χ^2/NDF: 32.3/29

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.016+/-0.009 χ^2/NDF:30.1/29

Out: -0.001+/-0.008 χ^2/NDF:31.3/34

All: 0.006+/-0.006 χ^2/NDF: 63.5/64



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.020+/-0.010 χ^2/NDF:679845.4/15

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.446+/-0.011 χ^2/NDF:370428.9/13

Left: 50.222+/-0.007 χ^2/NDF: 1051100.3/29

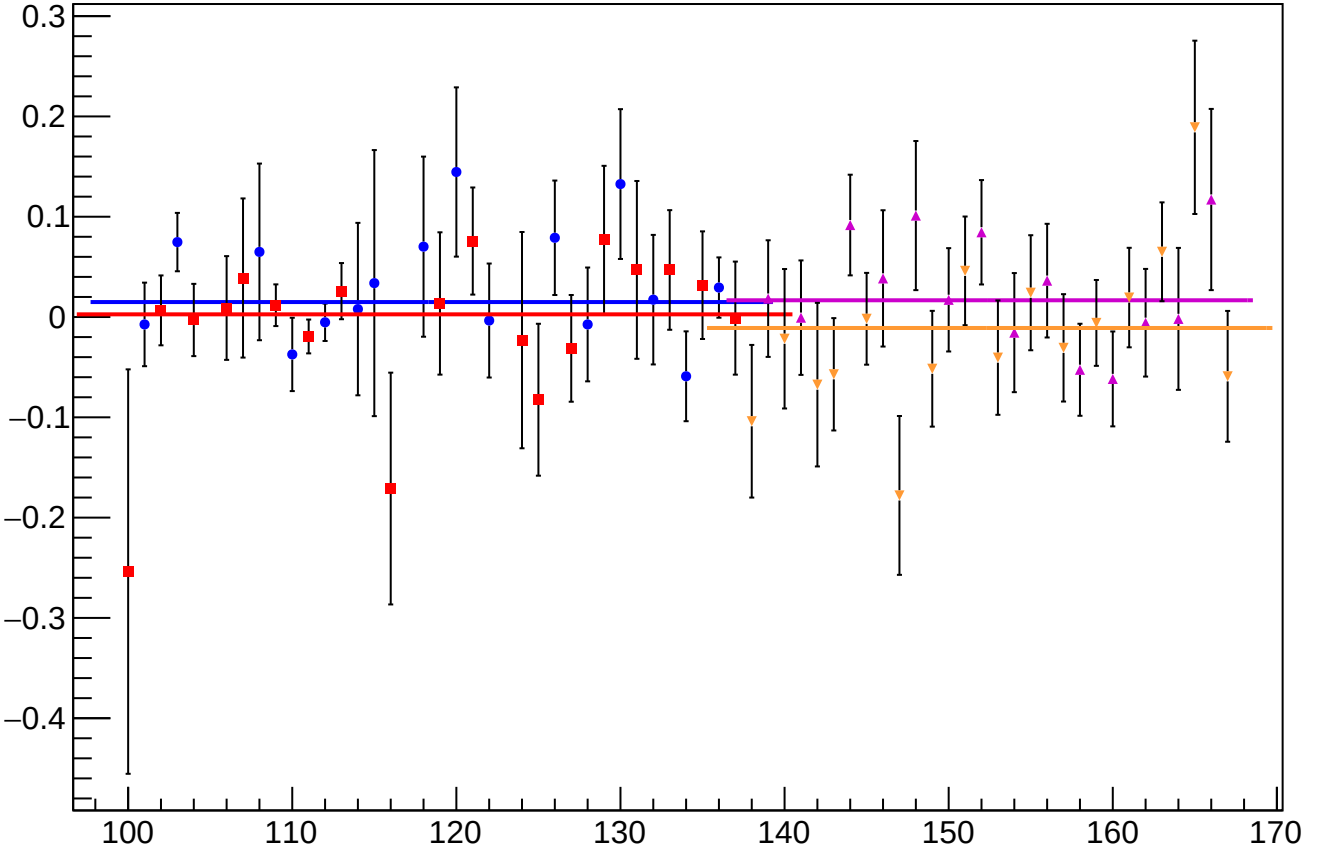
Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 33.022+/-0.006 χ^2/NDF:6759907.3/29

Out: 29.080+/-0.005 χ^2/NDF:10226368.3/34

All: 30.831+/-0.004 χ^2/NDF: 17215113.5/64

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.011+/-0.014 χ^2/NDF:18.2/15

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.017+/-0.015 χ^2/NDF:12.3/13

Left: 0.002+/-0.010 χ^2/NDF: 32.3/29

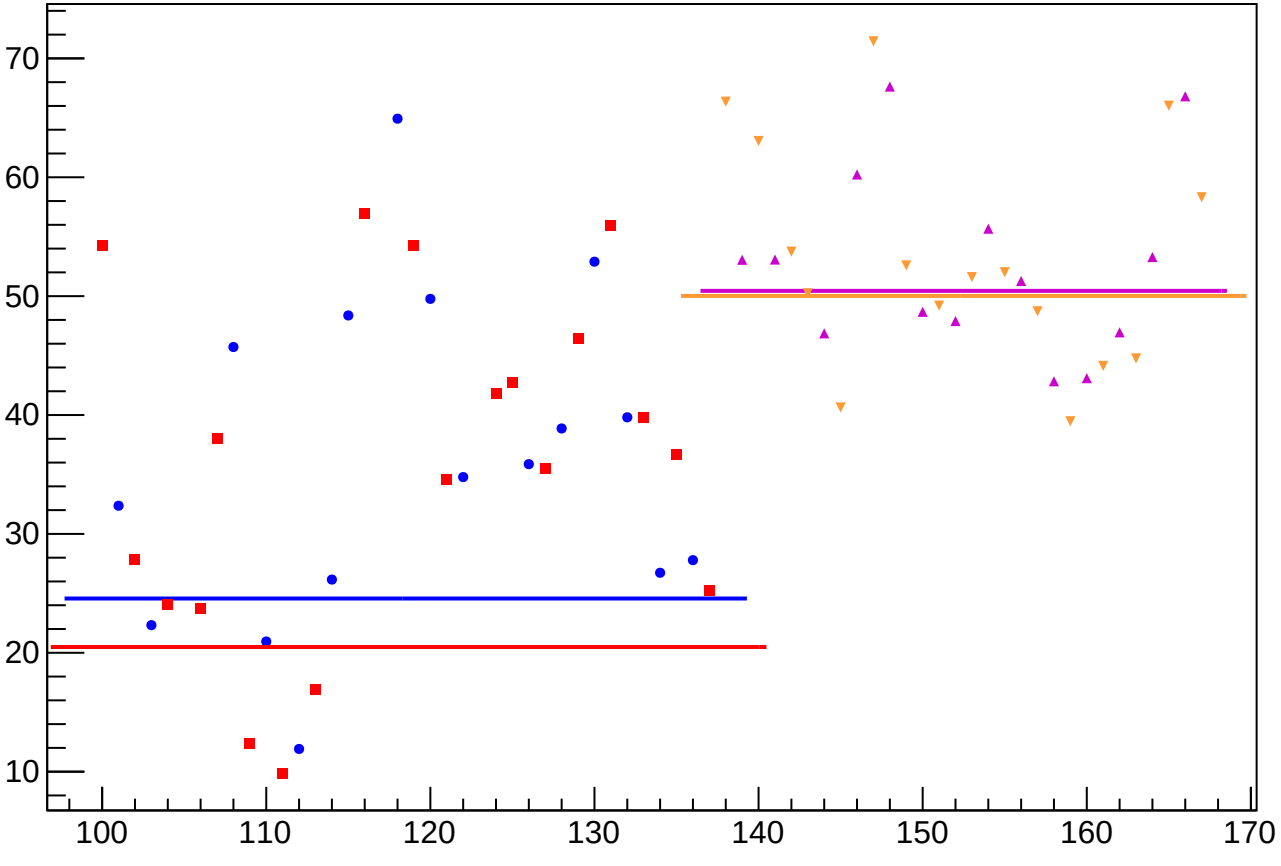
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.016+/-0.009 χ^2/NDF:30.1/29

Out: -0.001+/-0.008 χ^2/NDF:31.3/34

All: 0.006+/-0.006 χ^2/NDF: 63.5/64

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.020+/-0.010 χ^2/NDF:679845.4/15

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.446+/-0.011 χ^2/NDF:370428.9/13

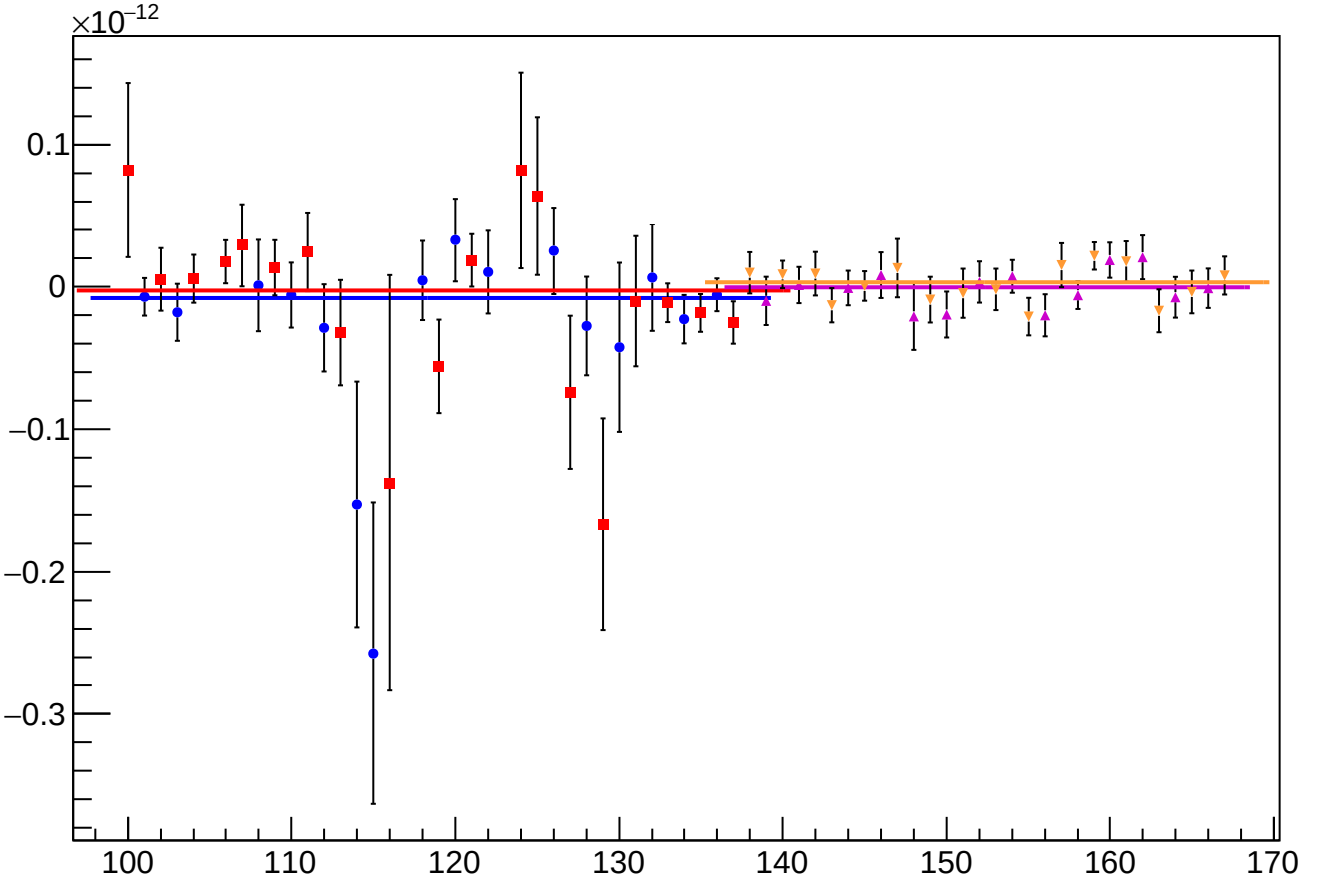
Left: 50.222+/-0.007 χ^2/NDF: 1051100.3/29

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 33.022+/-0.006 χ^2/NDF:6759907.3/29

Out: 29.080+/-0.005 χ^2/NDF:10226368.3/34

All: 30.831+/-0.004 χ^2/NDF: 17215113.5/64



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/13

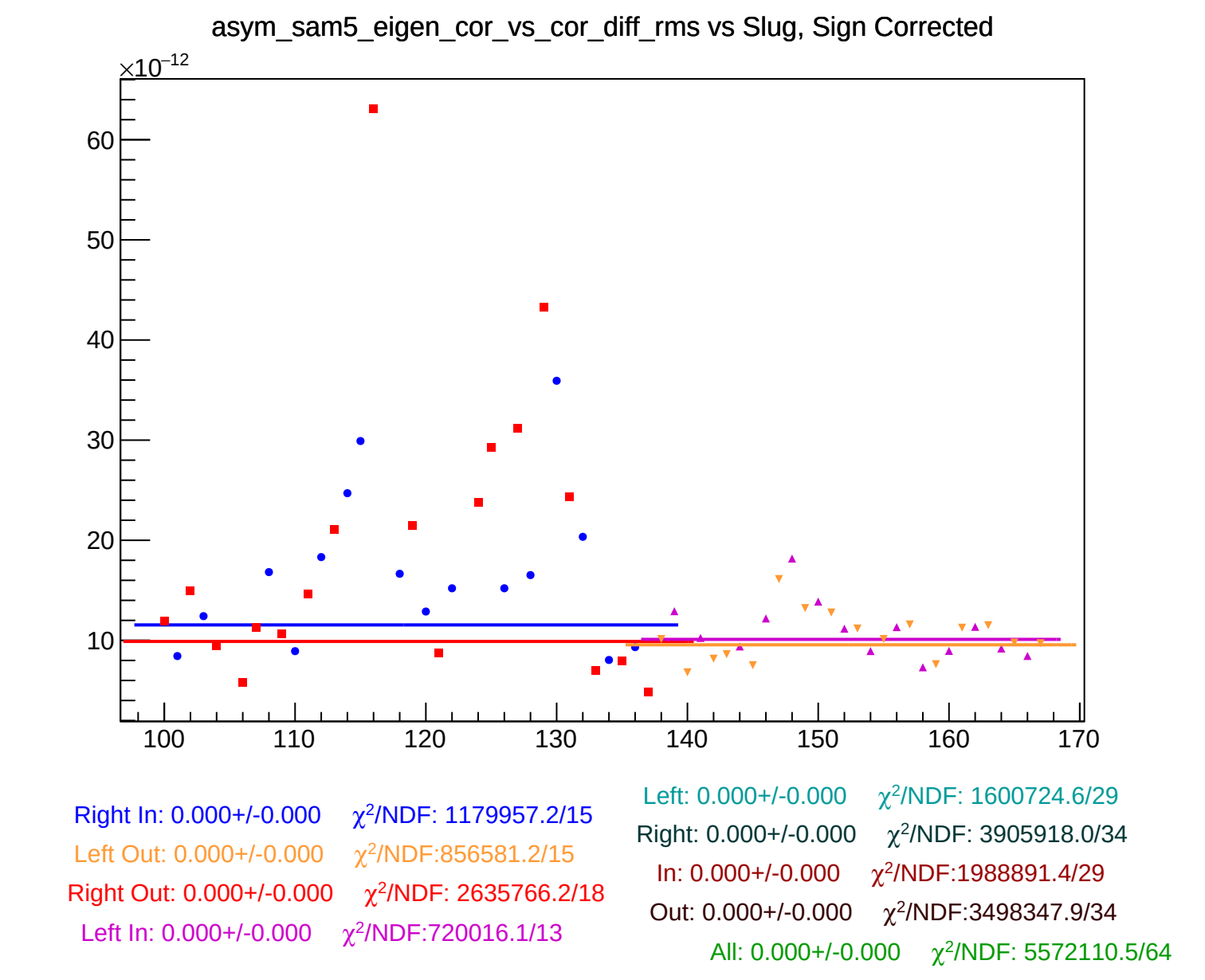
Left: 0.000+/-0.000 χ^2/NDF: 24.9/29

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

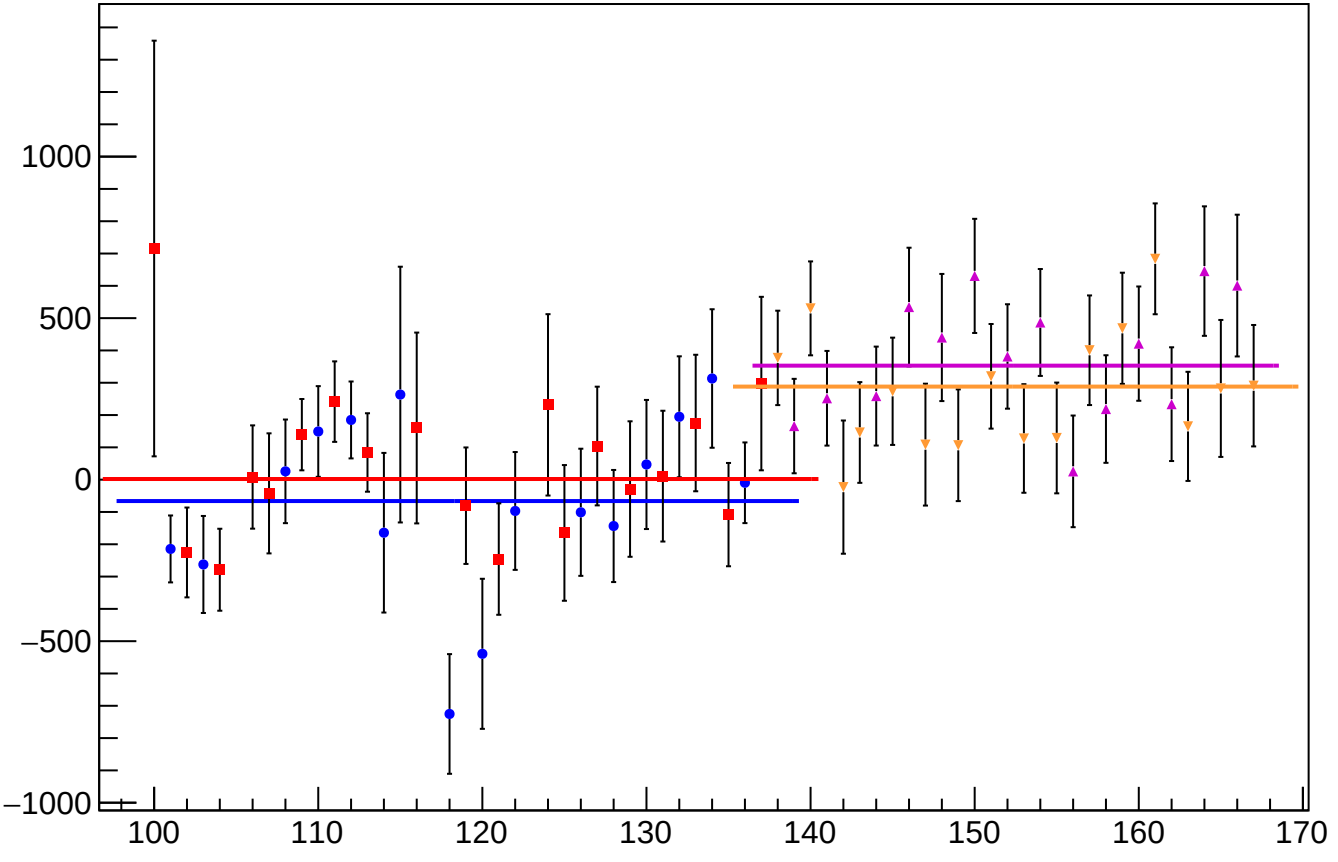
In: -0.000+/-0.000 χ^2/NDF:25.6/29

Out: 0.000+/-0.000 χ^2/NDF:41.5/34

All: -0.000+/-0.000 χ^2/NDF: 68.0/64


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:856581.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:720016.1/13
Left: 0.000+/-0.000 χ²/NDF: 1600724.6/29
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1988891.4/29
Out: 0.000+/-0.000 χ²/NDF:3498347.9/34
All: 0.000+/-0.000 χ²/NDF: 5572110.5/64

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.103+/-42.553 χ^2/NDF:17.5/15

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 352.917+/-45.752 χ^2/NDF:15.1/13

Left: 318.165+/-31.159 χ^2/NDF: 33.6/29

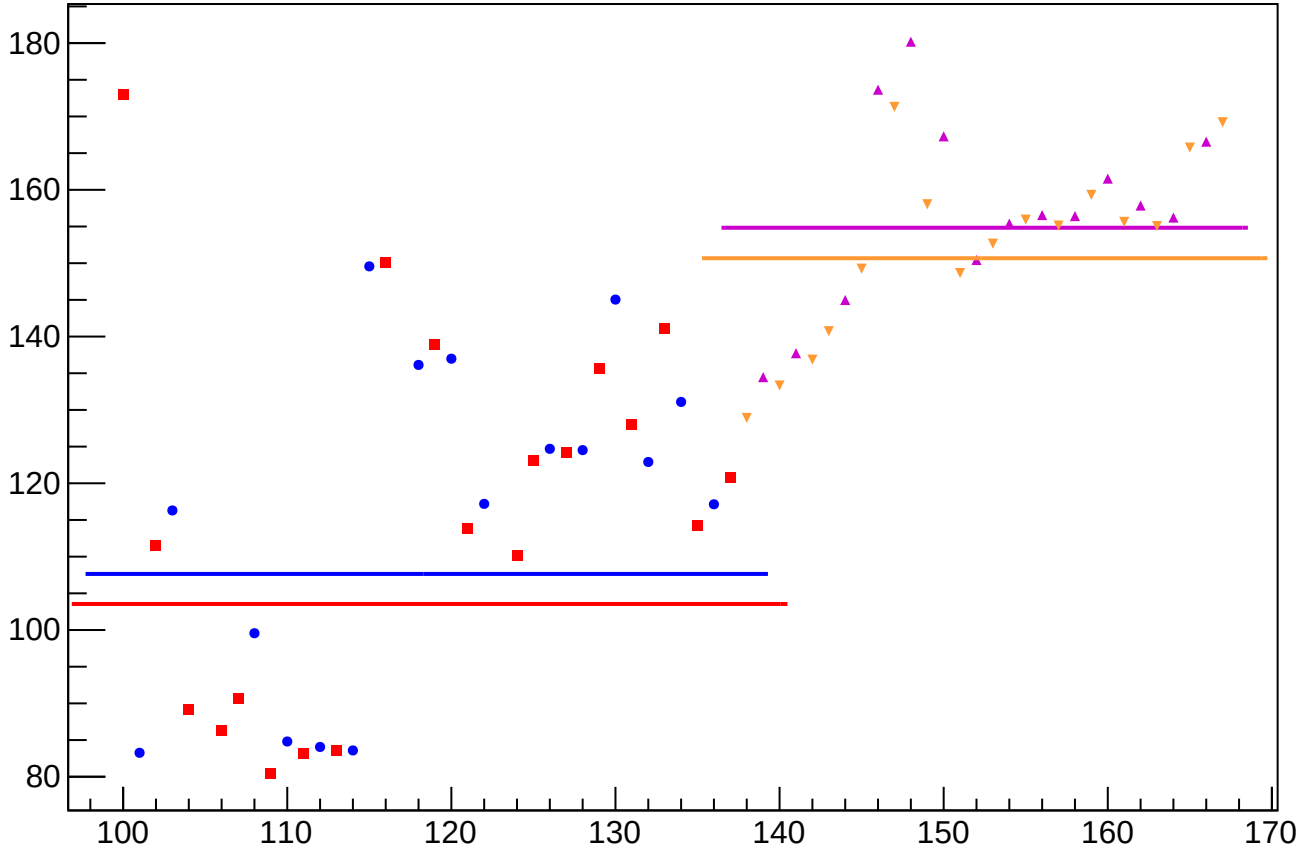
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 120.133+/-30.508 χ^2/NDF:96.1/29

Out: 132.132+/-28.698 χ^2/NDF:63.2/34

All: 126.499+/-20.903 χ^2/NDF: 159.4/64

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 150.678+/-0.030 χ^2/NDF:159137.8/15

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 154.833+/-0.032 χ^2/NDF:149635.6/13

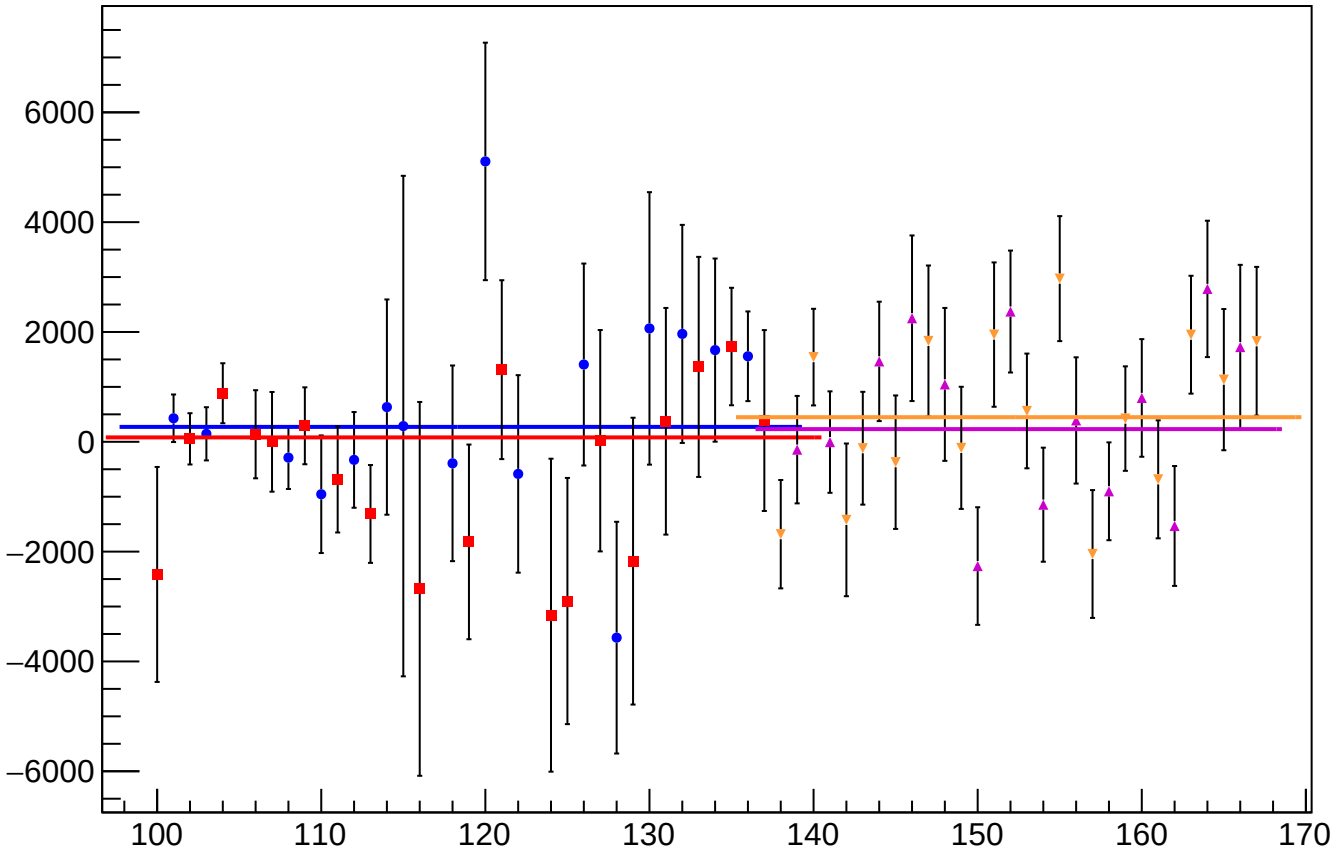
Left: 152.605+/-0.022 χ^2/NDF: 317618.3/29

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 128.625+/-0.022 χ^2/NDF:1864041.9/29

Out: 124.984+/-0.020 χ^2/NDF:2113901.7/34

All: 126.693+/-0.015 χ^2/NDF: 3993060.3/64



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 448.207+/-279.596 χ^2/NDF:25.3/15

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 230.959+/-295.541 χ^2/NDF:24.3/13

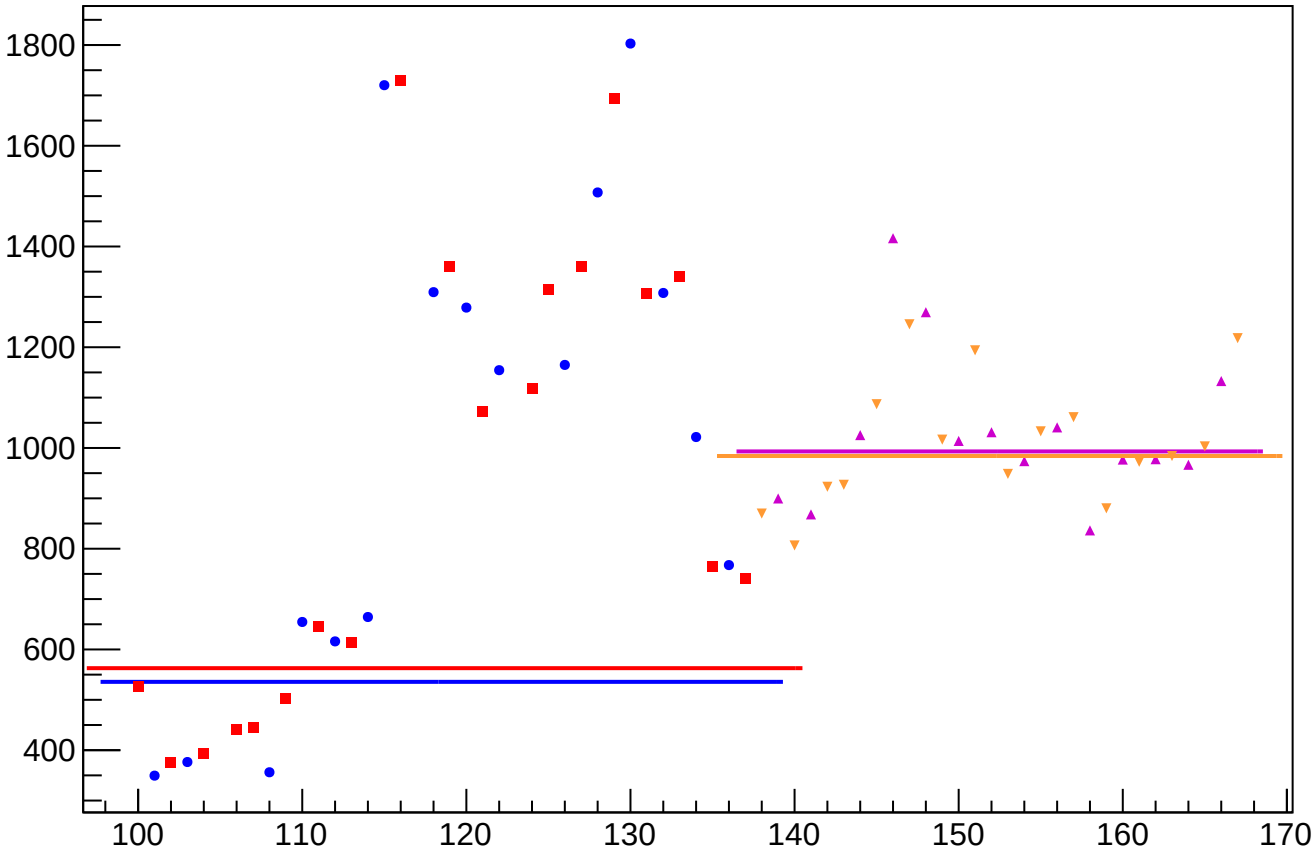
Left: 345.602+/-203.107 χ^2/NDF: 49.8/29

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 256.156+/-181.836 χ^2/NDF:40.8/29

Out: 230.316+/-178.610 χ^2/NDF:42.3/34

All: 243.005+/-127.422 χ^2/NDF: 83.1/64



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 984.053+/-0.198 χ^2/NDF:356722.0/15

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 993.163+/-0.209 χ^2/NDF:381367.9/13

Left: 988.356+/-0.144 χ^2/NDF: 739092.8/29

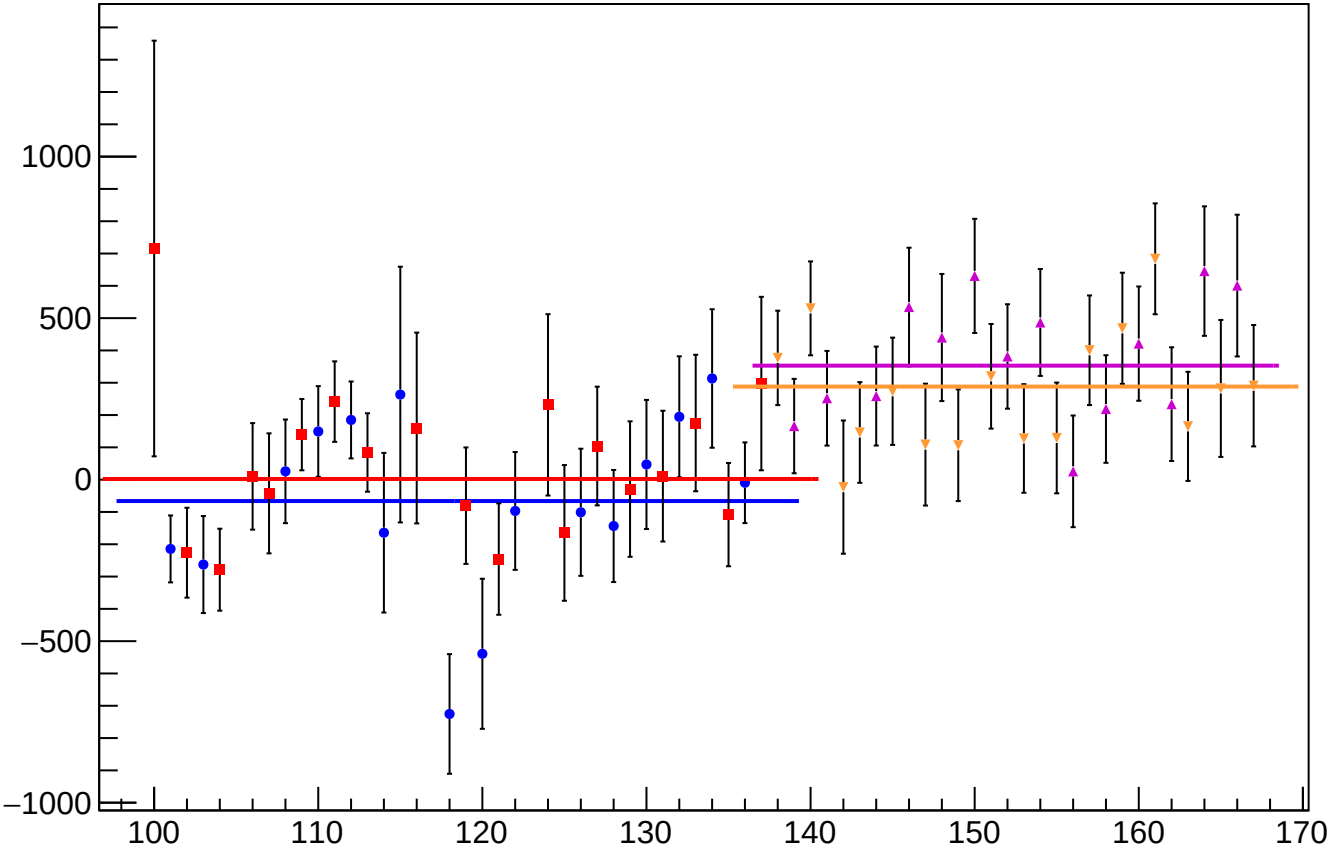
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 708.863+/-0.129 χ^2/NDF:6991894.0/29

Out: 734.734+/-0.126 χ^2/NDF:6154459.9/34

All: 722.030+/-0.090 χ^2/NDF: 13166958.6/64

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.099+/-42.553 χ^2/NDF:17.5/15

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 352.920+/-45.752 χ^2/NDF:15.1/13

Left: 318.164+/-31.159 χ^2/NDF: 33.6/29

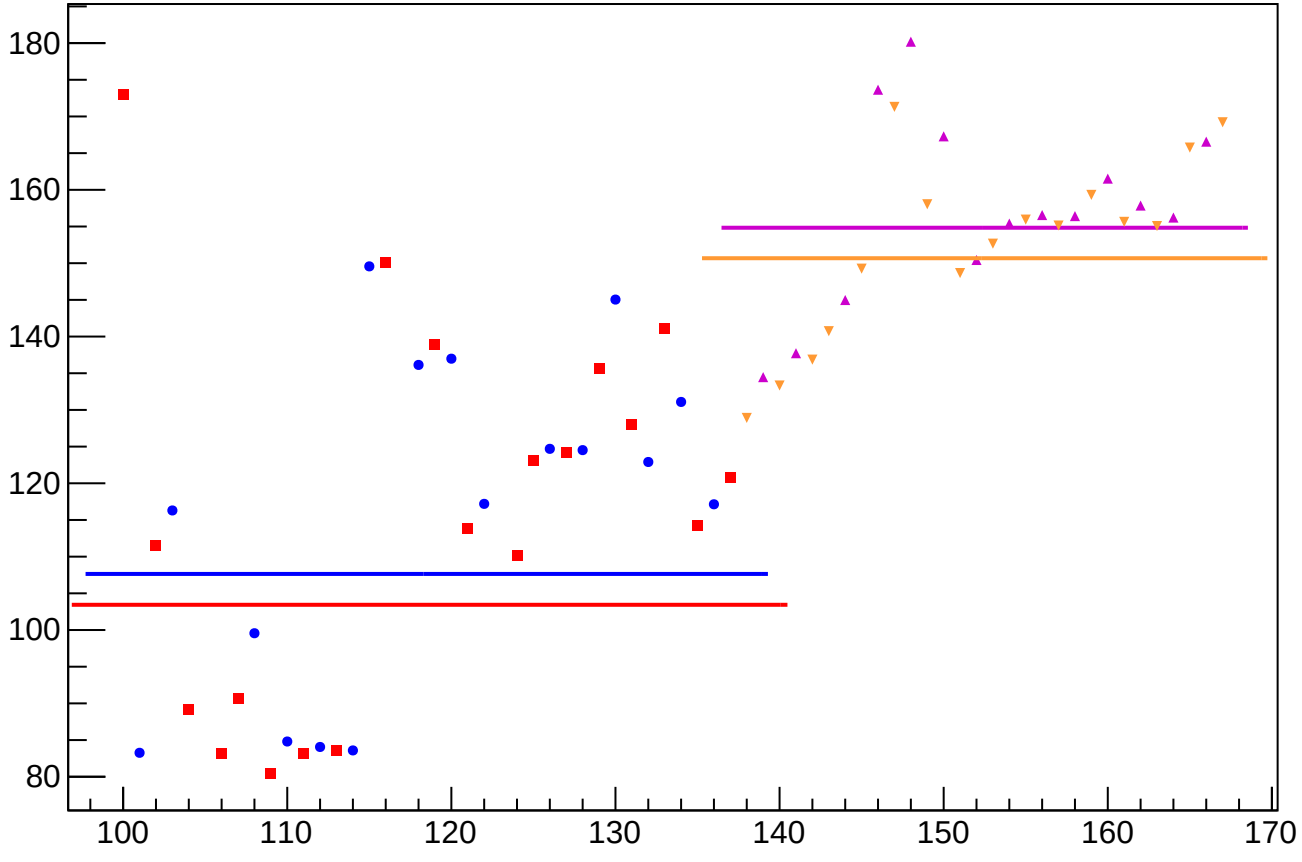
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 120.120+/-30.508 χ^2/NDF:96.1/29

Out: 132.411+/-28.726 χ^2/NDF:63.2/34

All: 126.635+/-20.914 χ^2/NDF: 159.4/64

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 150.678+/-0.030 χ^2/NDF:159137.8/15

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.833+/-0.032 χ^2/NDF:149635.6/13

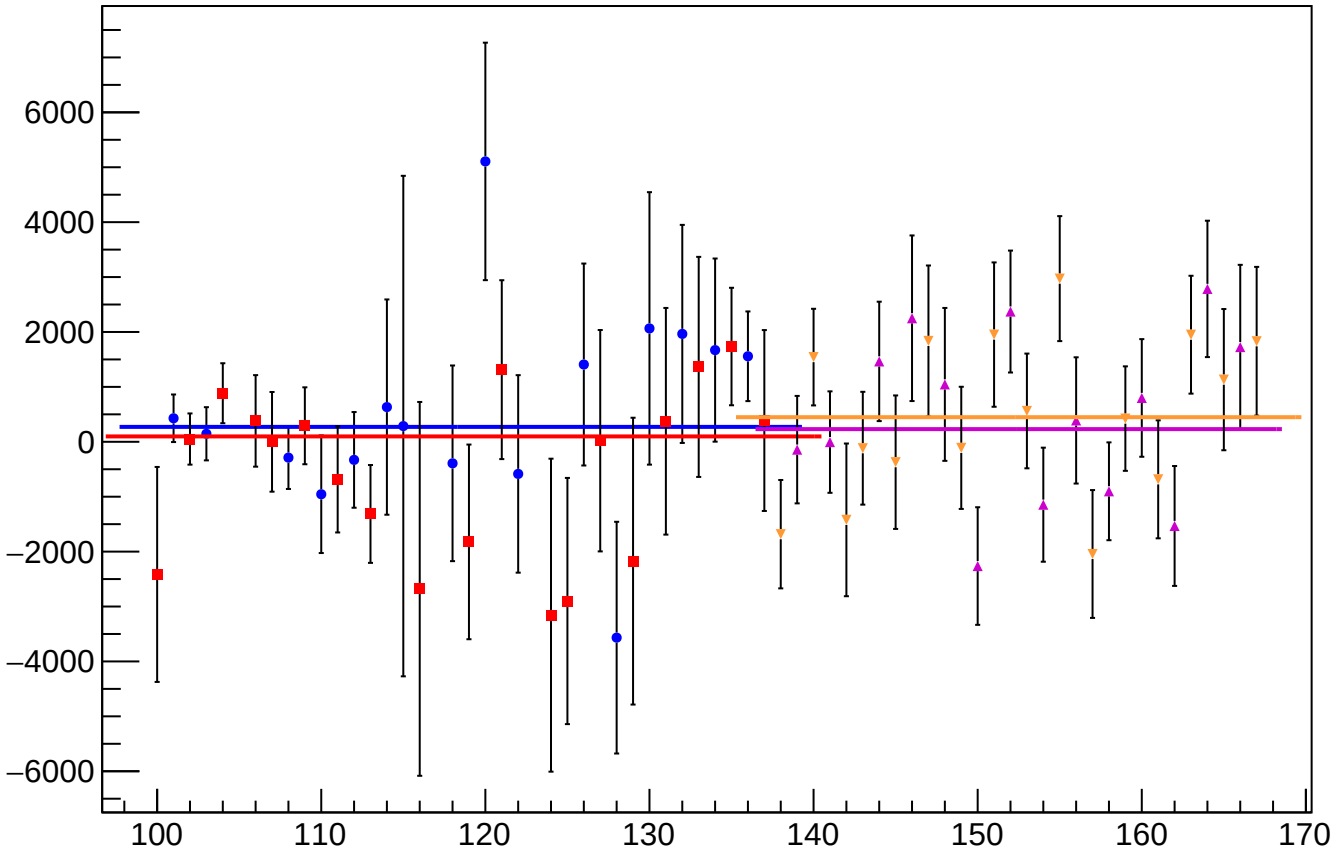
Left: 152.605+/-0.022 χ^2/NDF: 317618.3/29

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 128.625+/-0.022 χ^2/NDF:1864040.1/29

Out: 124.965+/-0.020 χ^2/NDF:2125469.8/34

All: 126.685+/-0.015 χ^2/NDF: 4004769.7/64



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 448.211+/-279.596 χ^2/NDF:25.3/15

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 230.957+/-295.541 χ^2/NDF:24.3/13

Left: 345.602+/-203.107 χ^2/NDF: 49.8/29

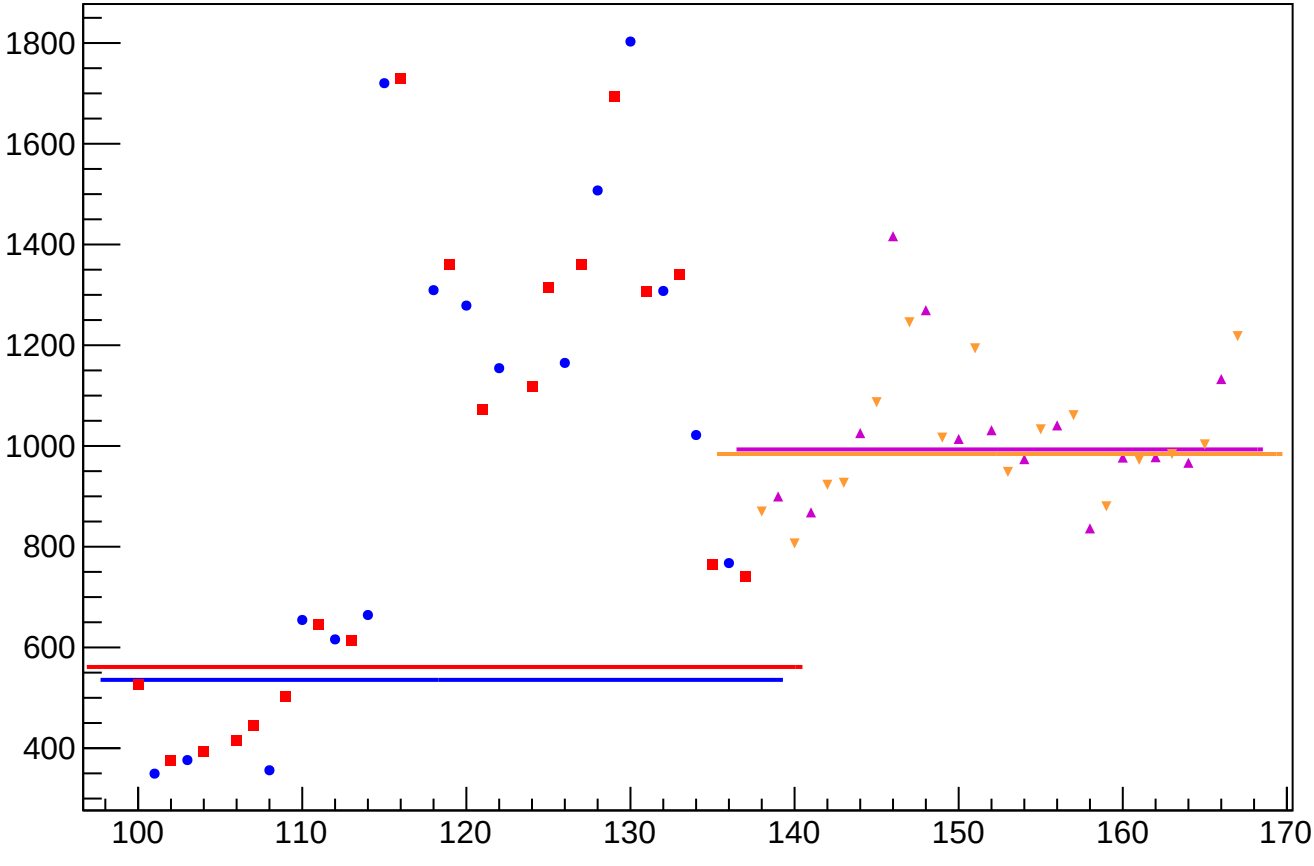
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 256.243+/-181.833 χ^2/NDF:40.8/29

Out: 241.281+/-178.895 χ^2/NDF:42.3/34

All: 248.641+/-127.524 χ^2/NDF: 83.1/64

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 984.053+/-0.198 χ^2/NDF:356722.0/15

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 993.164+/-0.209 χ^2/NDF:381366.6/13

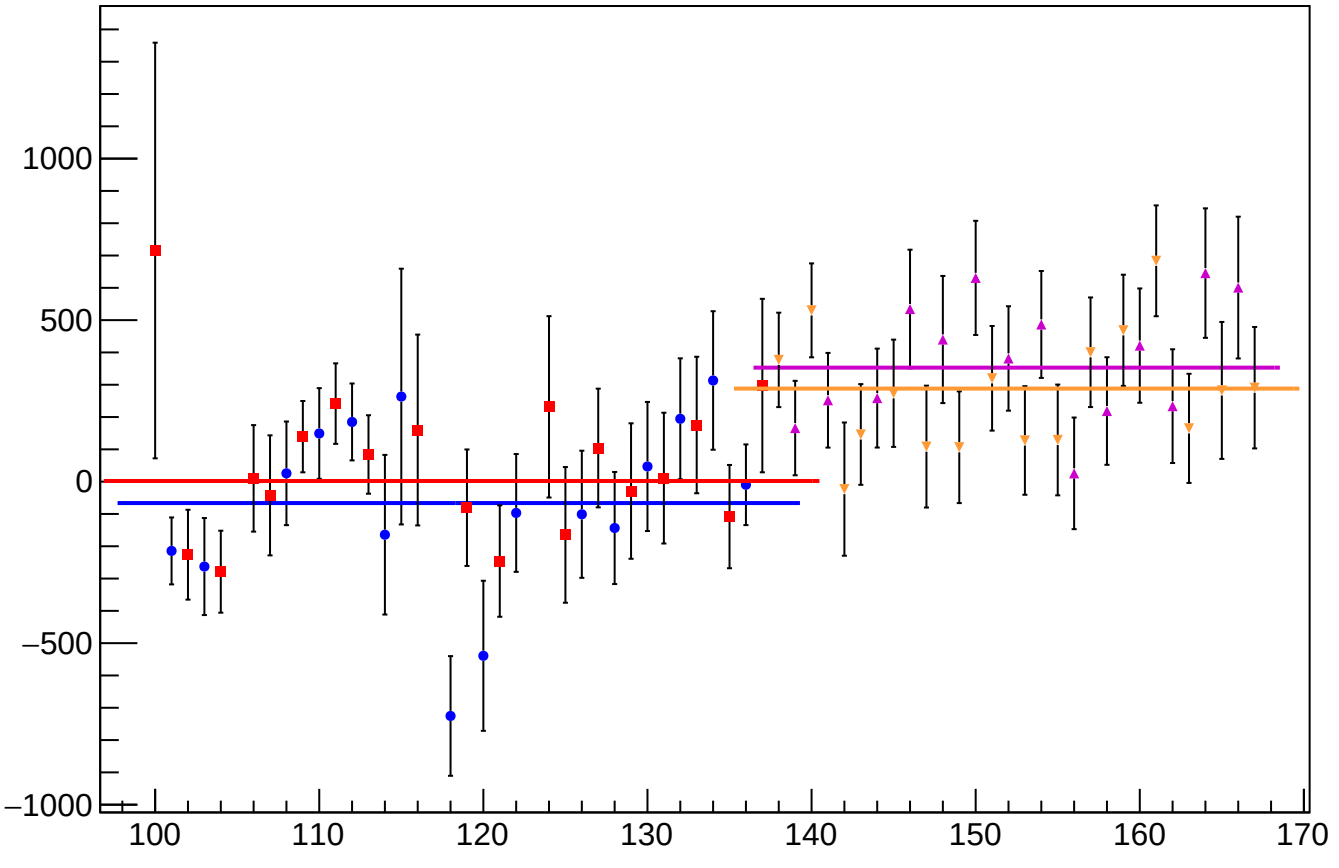
Left: 988.356+/-0.144 χ^2/NDF: 739091.6/29

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 708.843+/-0.129 χ^2/NDF:6992449.2/29

Out: 734.352+/-0.126 χ^2/NDF:6188367.5/34

All: 721.805+/-0.090 χ^2/NDF: 13200818.7/64



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.099+/-42.553 χ^2/NDF:17.5/15

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 352.920+/-45.752 χ^2/NDF:15.1/13

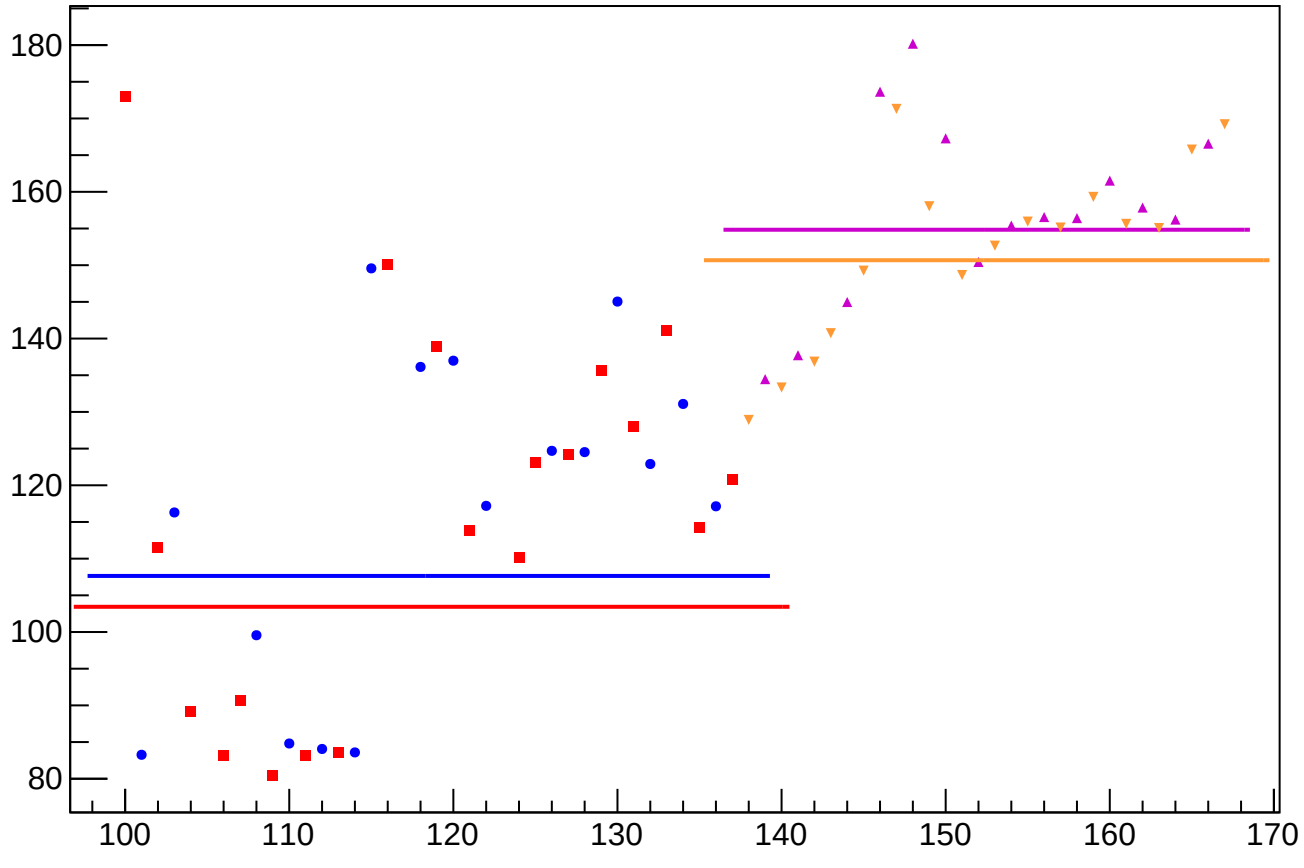
Left: 318.164+/-31.159 χ^2/NDF: 33.6/29

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 120.120+/-30.508 χ^2/NDF:96.1/29

Out: 132.411+/-28.726 χ^2/NDF:63.2/34

All: 126.635+/-20.914 χ^2/NDF: 159.4/64



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 150.678+/-0.030 χ^2/NDF:159137.8/15

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.833+/-0.032 χ^2/NDF:149635.6/13

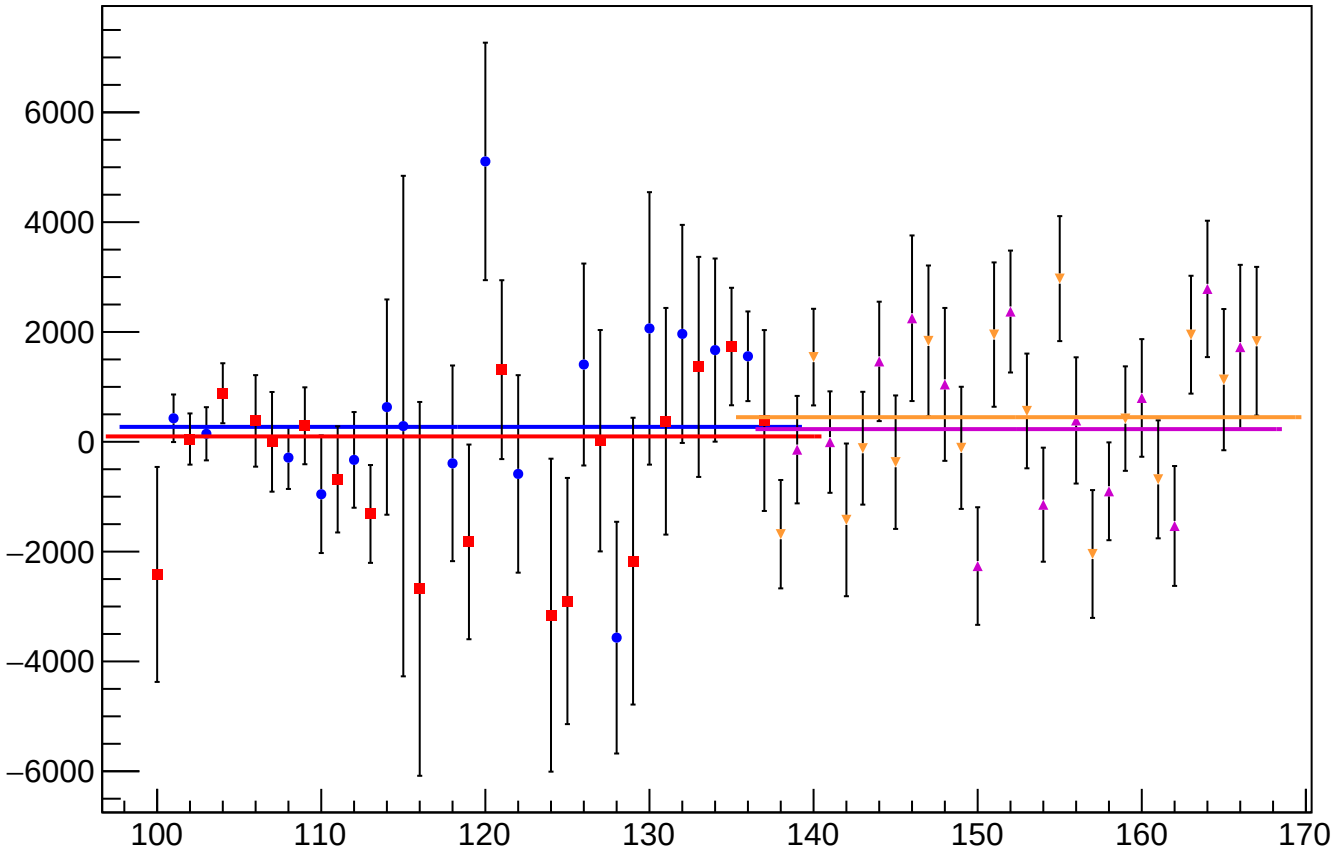
Left: 152.605+/-0.022 χ^2/NDF: 317618.3/29

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 128.625+/-0.022 χ^2/NDF:1864040.1/29

Out: 124.965+/-0.020 χ^2/NDF:2125469.8/34

All: 126.685+/-0.015 χ^2/NDF: 4004769.7/64



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 448.211+/-279.596 χ^2/NDF:25.3/15

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 230.957+/-295.541 χ^2/NDF:24.3/13

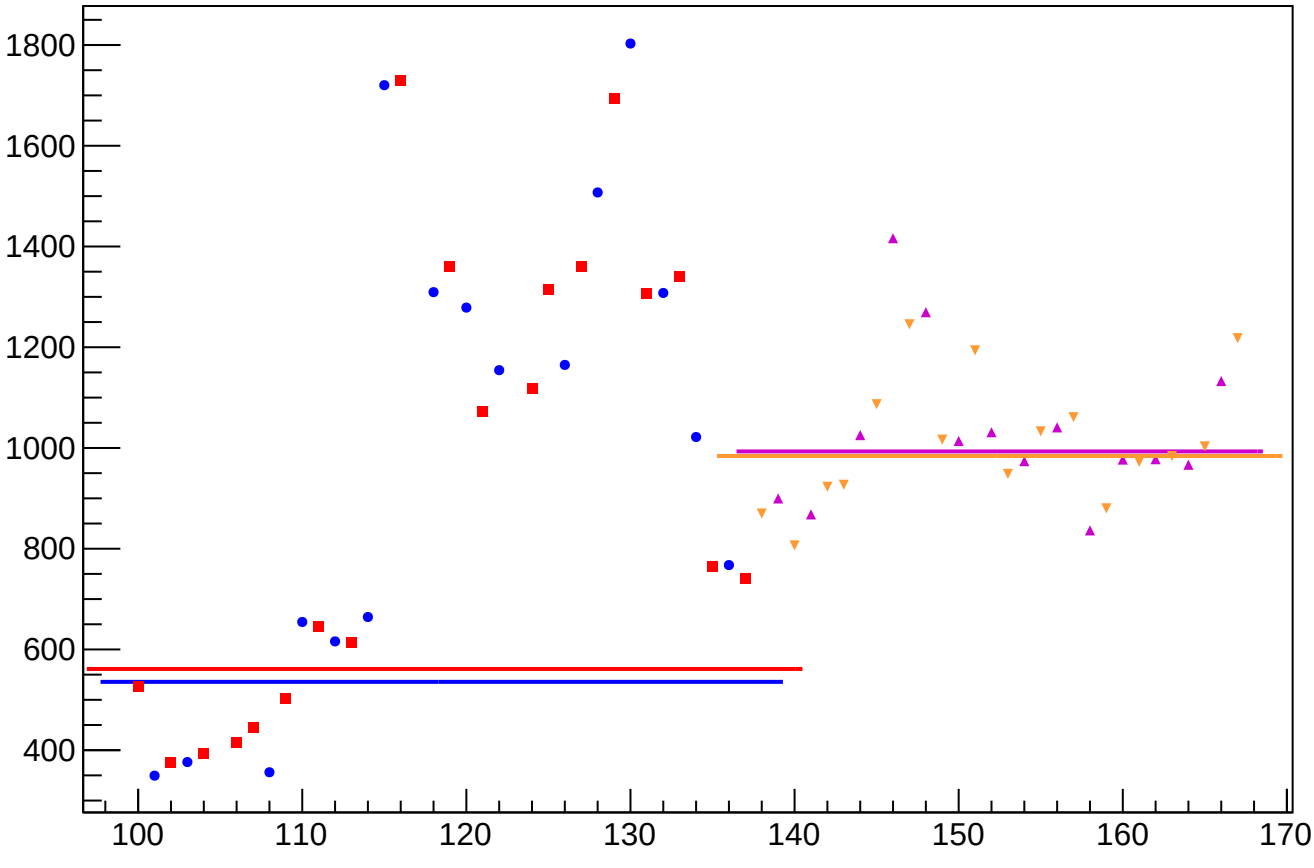
Left: 345.602+/-203.107 χ^2/NDF: 49.8/29

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 256.243+/-181.833 χ^2/NDF:40.8/29

Out: 241.281+/-178.895 χ^2/NDF:42.3/34

All: 248.641+/-127.524 χ^2/NDF: 83.1/64



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 984.053+/-0.198 χ^2/NDF:356722.0/15

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 993.164+/-0.209 χ^2/NDF:381366.6/13

Left: 988.356+/-0.144 χ^2/NDF: 739091.6/29

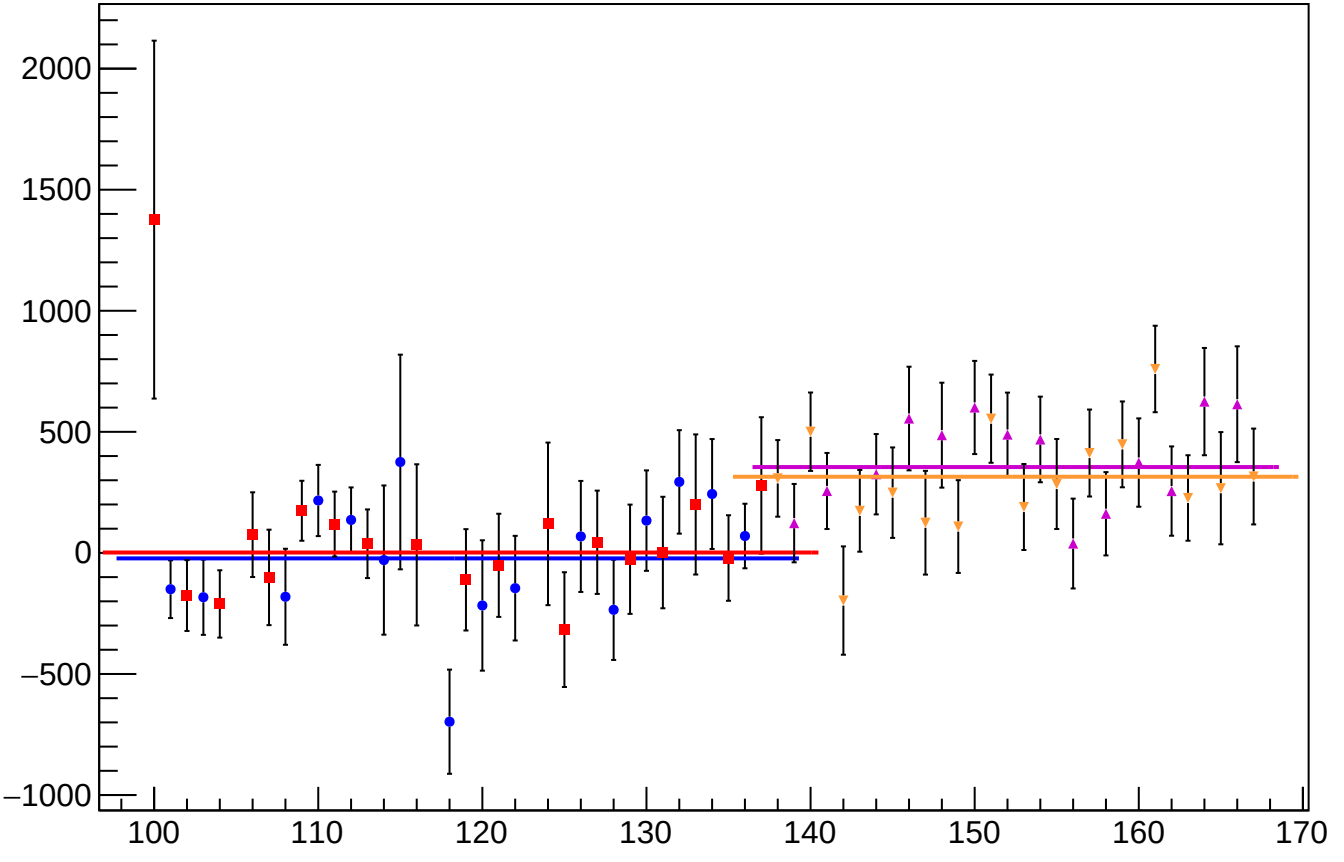
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 708.843+/-0.129 χ^2/NDF:6992449.2/29

Out: 734.352+/-0.126 χ^2/NDF:6188367.5/34

All: 721.805+/-0.090 χ^2/NDF: 13200818.7/64

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 314.534+/-46.019 χ^2/NDF:18.9/15

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 354.553+/-49.352 χ^2/NDF:13.5/13

Left: 333.147+/-33.657 χ^2/NDF: 32.8/29

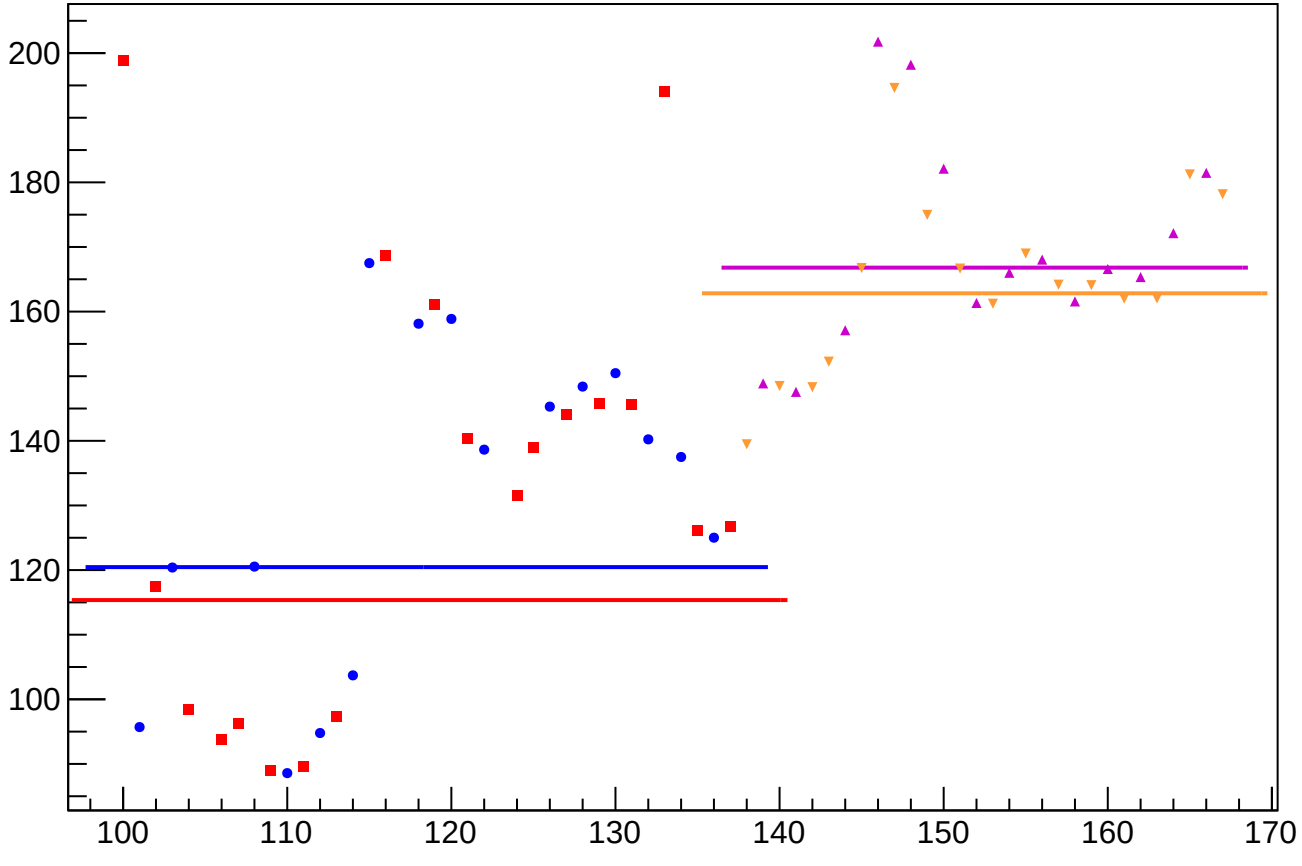
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 152.318+/-33.614 χ^2/NDF:69.0/29

Out: 149.493+/-31.636 χ^2/NDF:57.6/34

All: 150.820+/-23.038 χ^2/NDF: 126.6/64

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 162.830+/-0.033 χ^2/NDF:156698.1/15

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 166.802+/-0.035 χ^2/NDF:182131.0/13

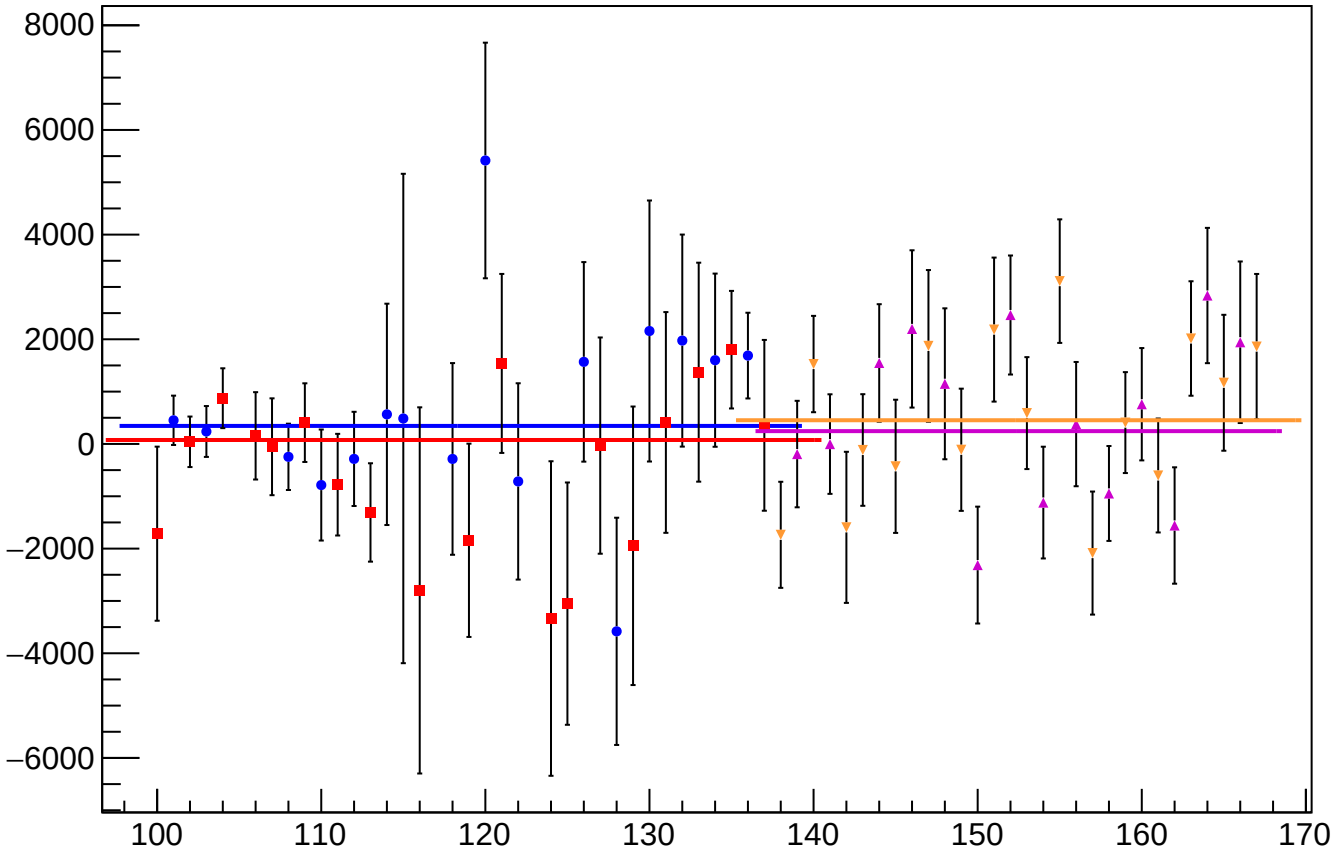
Left: 164.677+/-0.024 χ^2/NDF: 345759.3/29

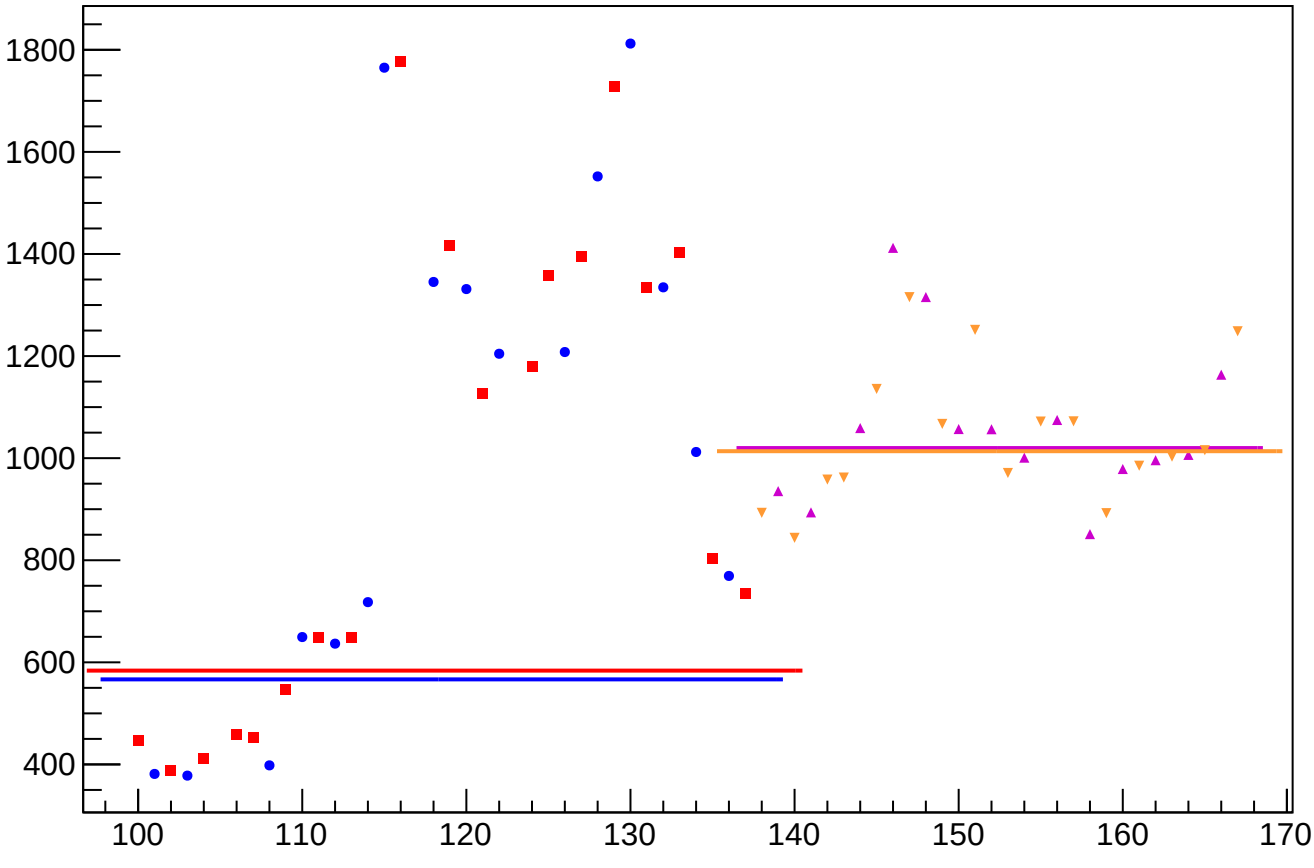
Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 141.957+/-0.024 χ^2/NDF:1657926.2/29

Out: 137.793+/-0.022 χ^2/NDF:2046403.3/34

All: 139.749+/-0.016 χ^2/NDF: 3720606.8/64


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 344.437+/-241.532 χ²/NDF: 16.2/15
Left Out: 452.824+/-288.078 χ²/NDF:25.6/15
Right Out: 75.434+/-240.479 χ²/NDF: 15.3/18
Left In: 244.792+/-303.433 χ²/NDF:24.2/13
Left: 354.205+/-208.919 χ²/NDF: 50.1/29
Right: 209.348+/-170.415 χ²/NDF: 32.1/34
In: 305.789+/-188.973 χ²/NDF:40.5/29
Out: 230.417+/-184.611 χ²/NDF:41.9/34
All: 267.223+/-132.055 χ²/NDF: 82.5/64



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1013.642+/-0.204 χ^2/NDF:376483.0/15

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1019.772+/-0.215 χ^2/NDF:371424.6/13

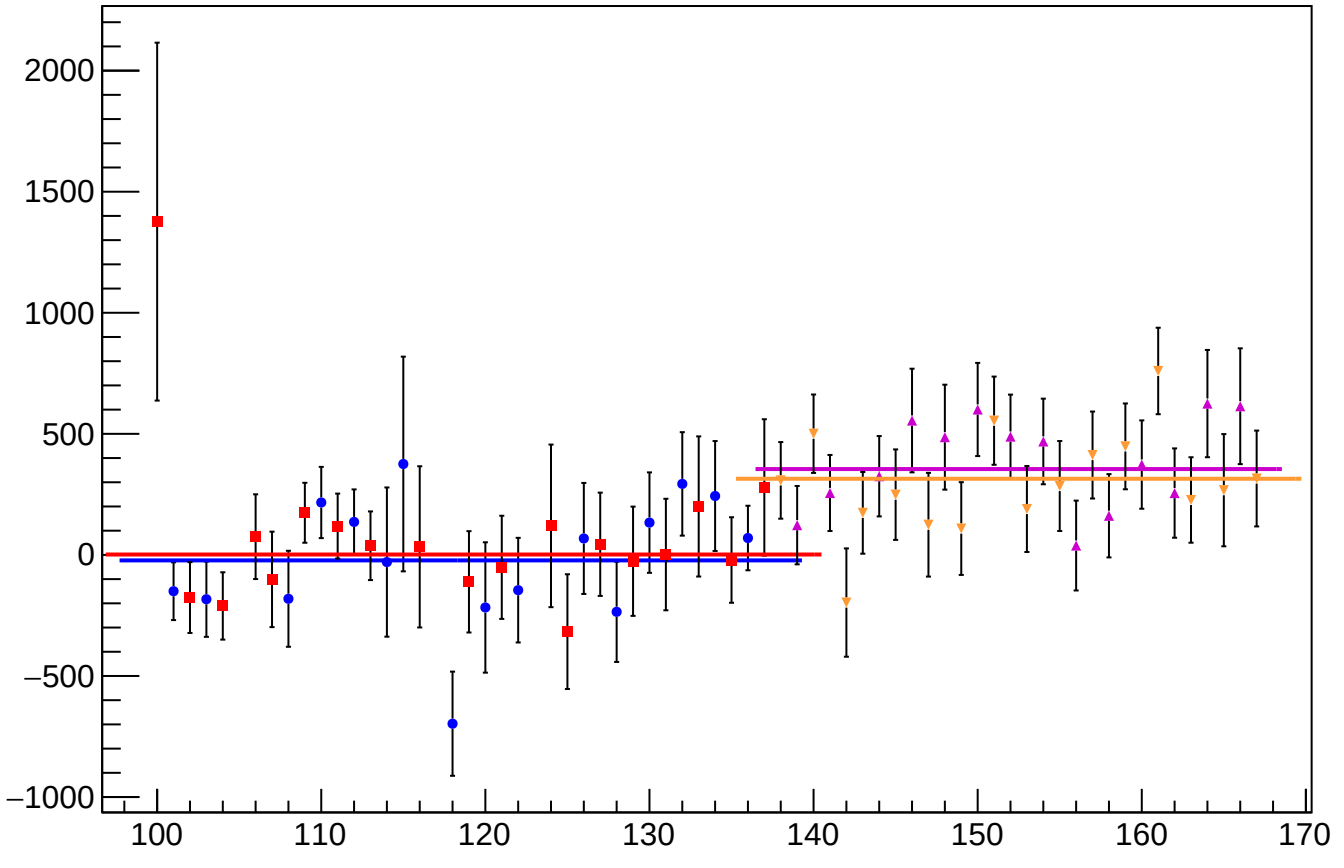
Left: 1016.548+/-0.148 χ^2/NDF: 748336.9/29

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

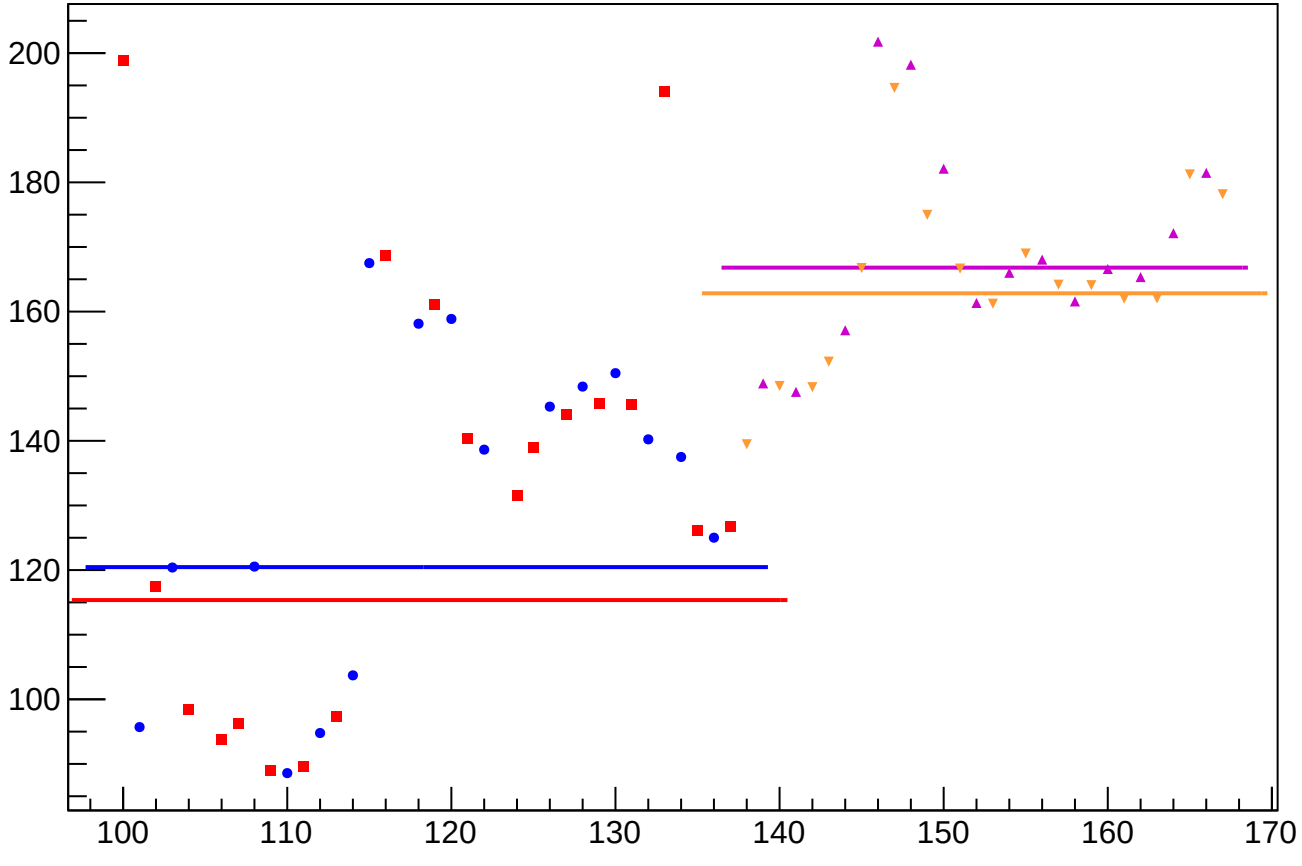
In: 742.369+/-0.134 χ^2/NDF:6534580.3/29

Out: 760.320+/-0.131 χ^2/NDF:6108203.8/34

All: 751.554+/-0.093 χ^2/NDF: 12652017.8/64


eigen_dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -22.680+/-45.908 χ²/NDF: 24.2/15
Left Out: 314.534+/-46.019 χ²/NDF:18.9/15
Right Out: 1.601+/-43.563 χ²/NDF: 14.3/18
Left In: 354.554+/-49.352 χ²/NDF:13.5/13
Left: 333.147+/-33.657 χ²/NDF: 32.8/29
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 152.318+/-33.614 χ²/NDF:69.0/29
Out: 149.494+/-31.636 χ²/NDF:57.6/34
All: 150.820+/-23.038 χ²/NDF: 126.6/64

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 162.829+/-0.033 χ^2/NDF:156696.6/15

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 166.801+/-0.035 χ^2/NDF:182130.9/13

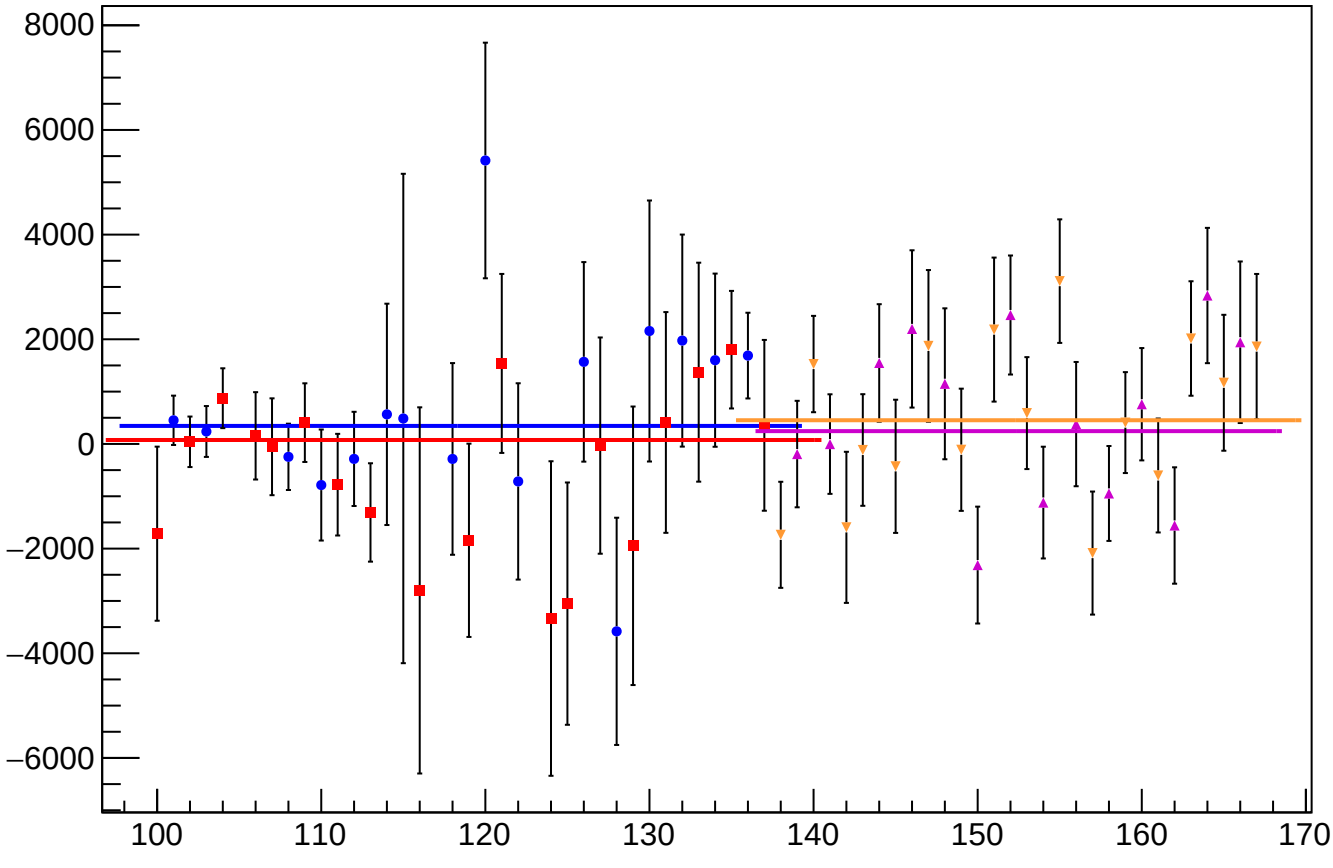
Left: 164.677+/-0.024 χ^2/NDF: 345757.9/29

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 141.957+/-0.024 χ^2/NDF:1657935.5/29

Out: 137.792+/-0.022 χ^2/NDF:2046402.7/34

All: 139.748+/-0.016 χ^2/NDF: 3720615.3/64



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 452.825+/-288.078 χ^2/NDF:25.6/15

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 244.792+/-303.433 χ^2/NDF:24.2/13

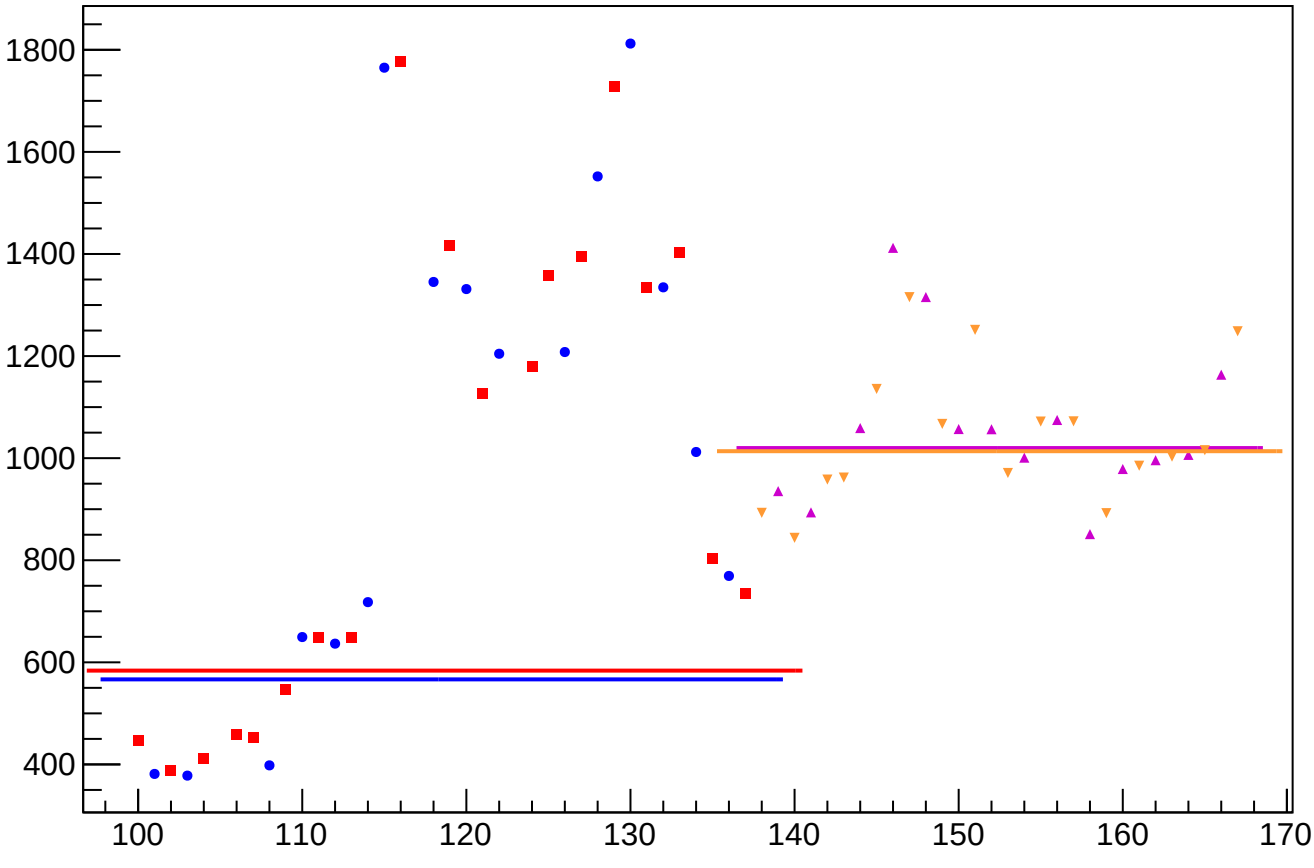
Left: 354.205+/-208.919 χ^2/NDF: 50.1/29

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 305.788+/-188.973 χ^2/NDF:40.5/29

Out: 230.418+/-184.611 χ^2/NDF:41.9/34

All: 267.223+/-132.055 χ^2/NDF: 82.5/64



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1013.642+/-0.204 χ^2/NDF:376484.8/15

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1019.772+/-0.215 χ^2/NDF:371427.4/13

Left: 1016.548+/-0.148 χ^2/NDF: 748341.4/29

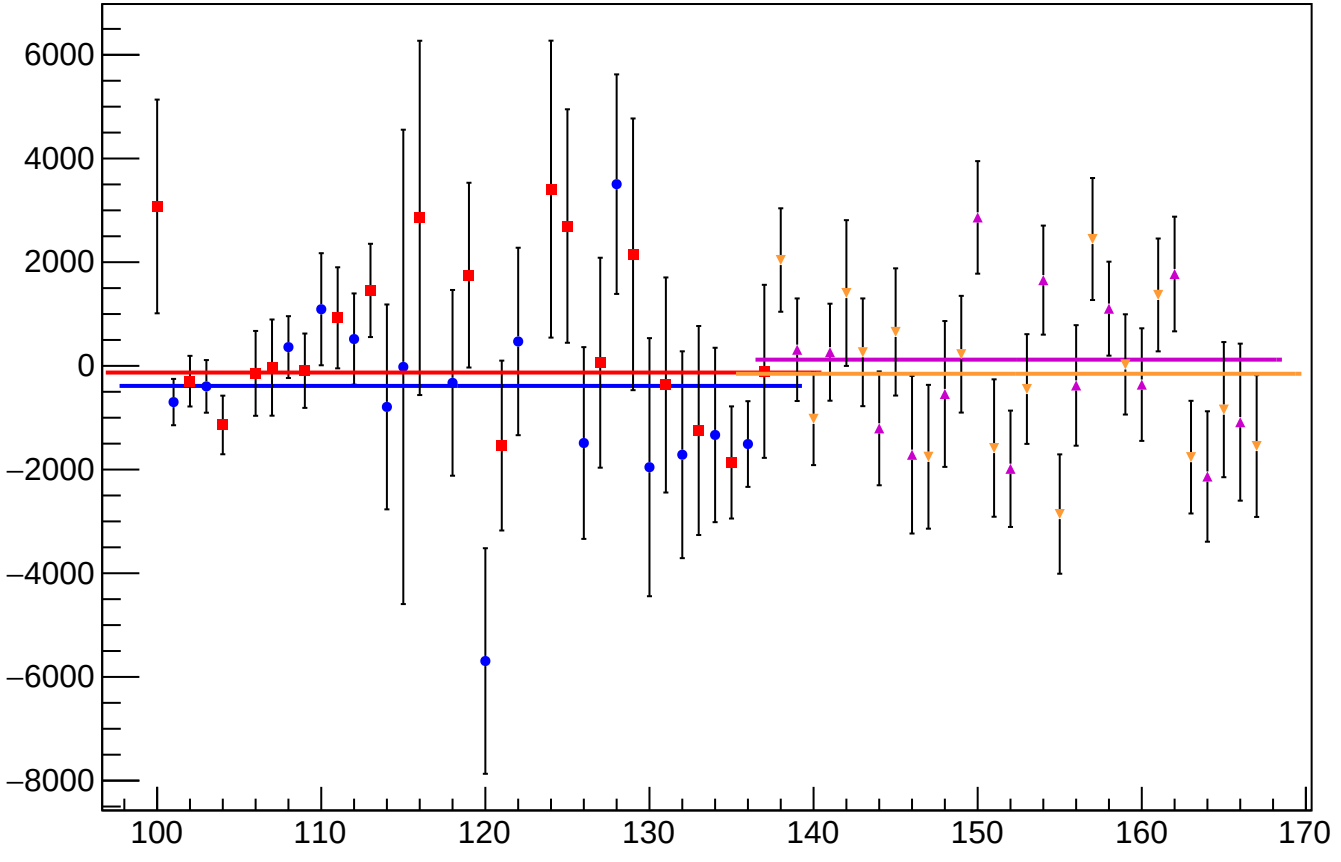
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 742.369+/-0.134 χ^2/NDF:6534596.5/29

Out: 760.319+/-0.131 χ^2/NDF:6108212.6/34

All: 751.553+/-0.093 χ^2/NDF: 12652043.0/64

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -152.143+/-282.960 χ^2/NDF:26.2/15

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 119.975+/-299.230 χ^2/NDF:22.9/13

Left: -23.683+/-205.594 χ^2/NDF: 49.5/29

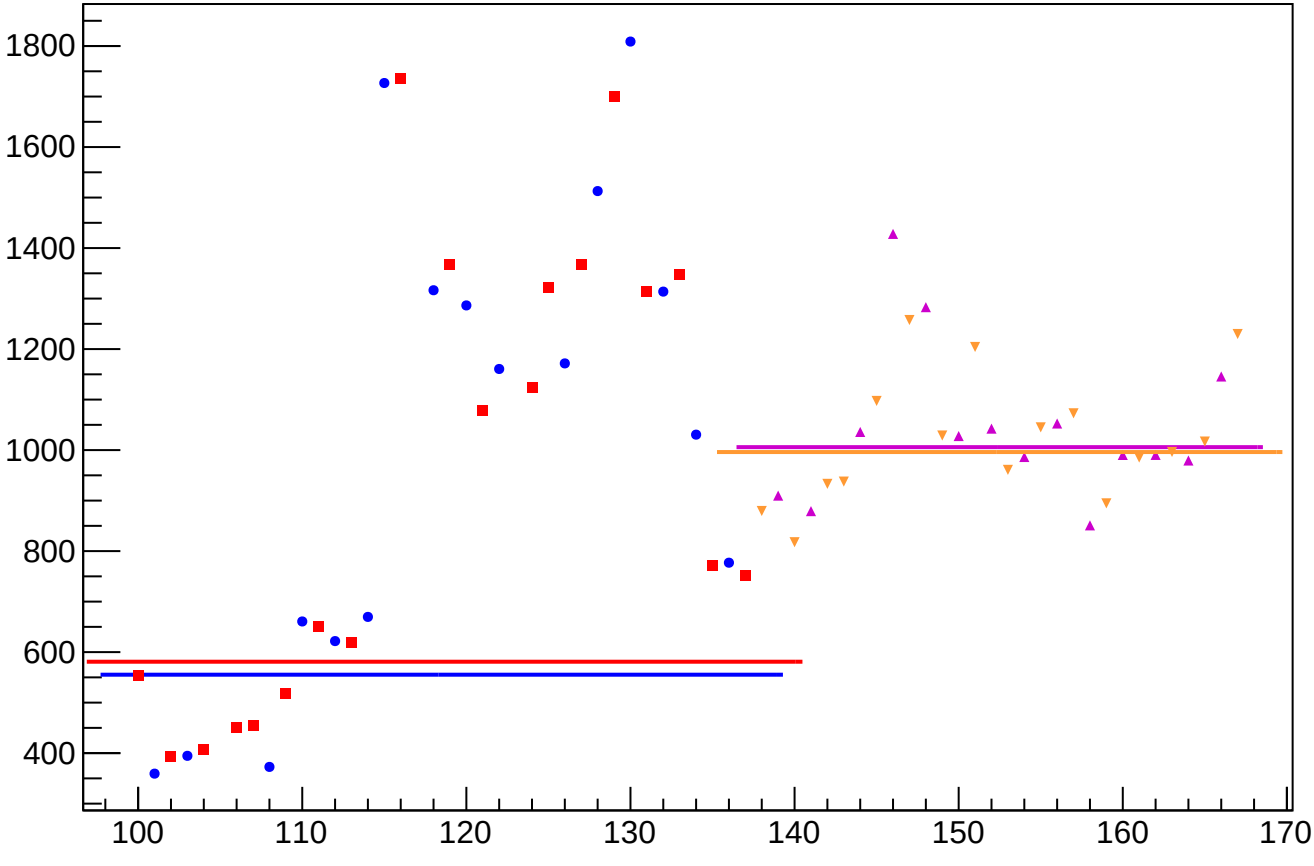
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -190.741+/-186.038 χ^2/NDF:42.6/29

Out: -138.357+/-182.246 χ^2/NDF:45.6/34

All: -164.010+/-130.187 χ^2/NDF: 88.2/64

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 996.133+/-0.200 χ^2/NDF:349028.8/15

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1005.835+/-0.212 χ^2/NDF:372950.9/13

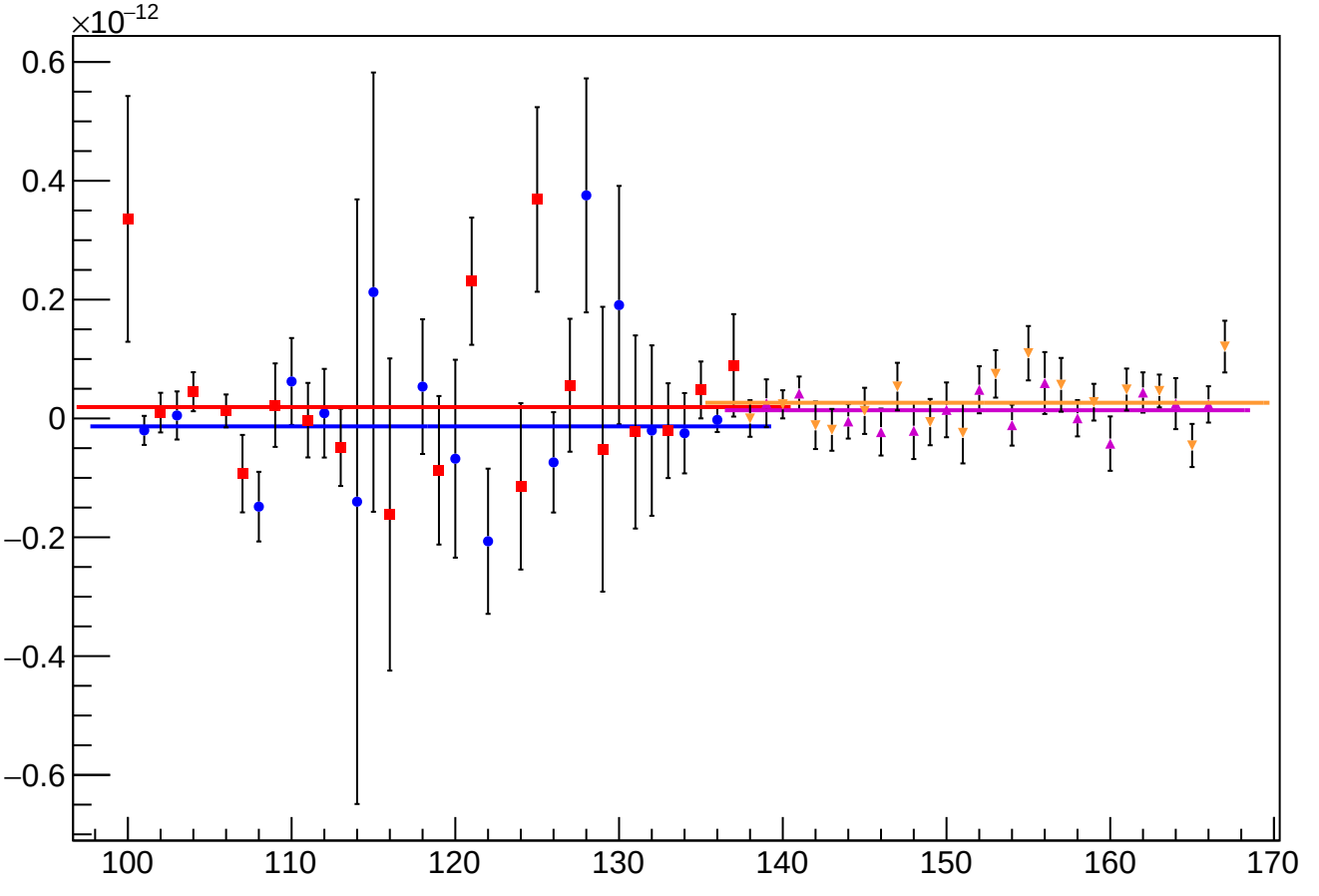
Left: 1000.713+/-0.145 χ^2/NDF: 723089.7/29

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 729.445+/-0.132 χ^2/NDF:6636982.4/29

Out: 753.206+/-0.129 χ^2/NDF:5851709.5/34

All: 741.570+/-0.092 χ^2/NDF: 12505341.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/13

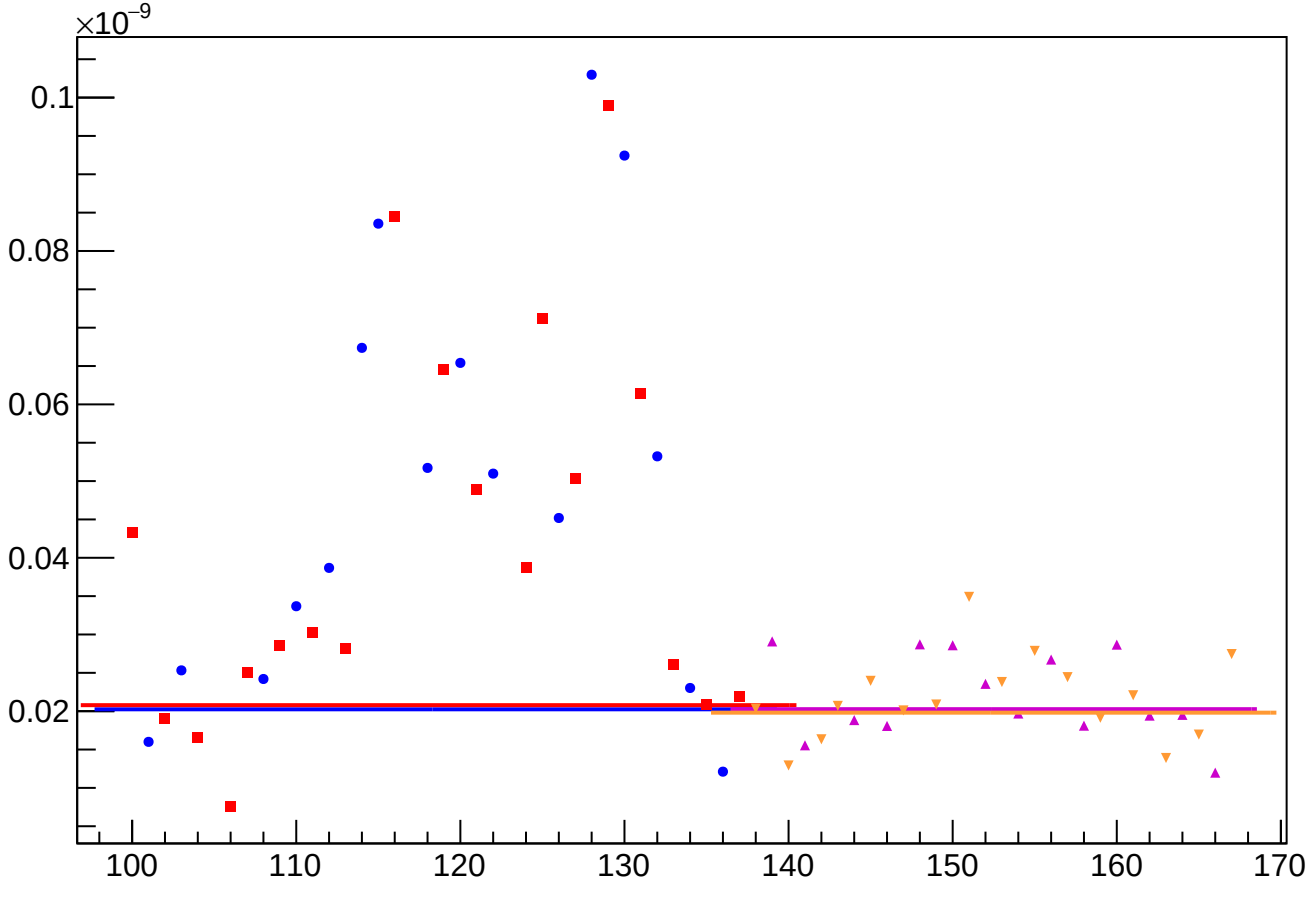
Left: 0.000+/-0.000 χ^2/NDF: 28.9/29

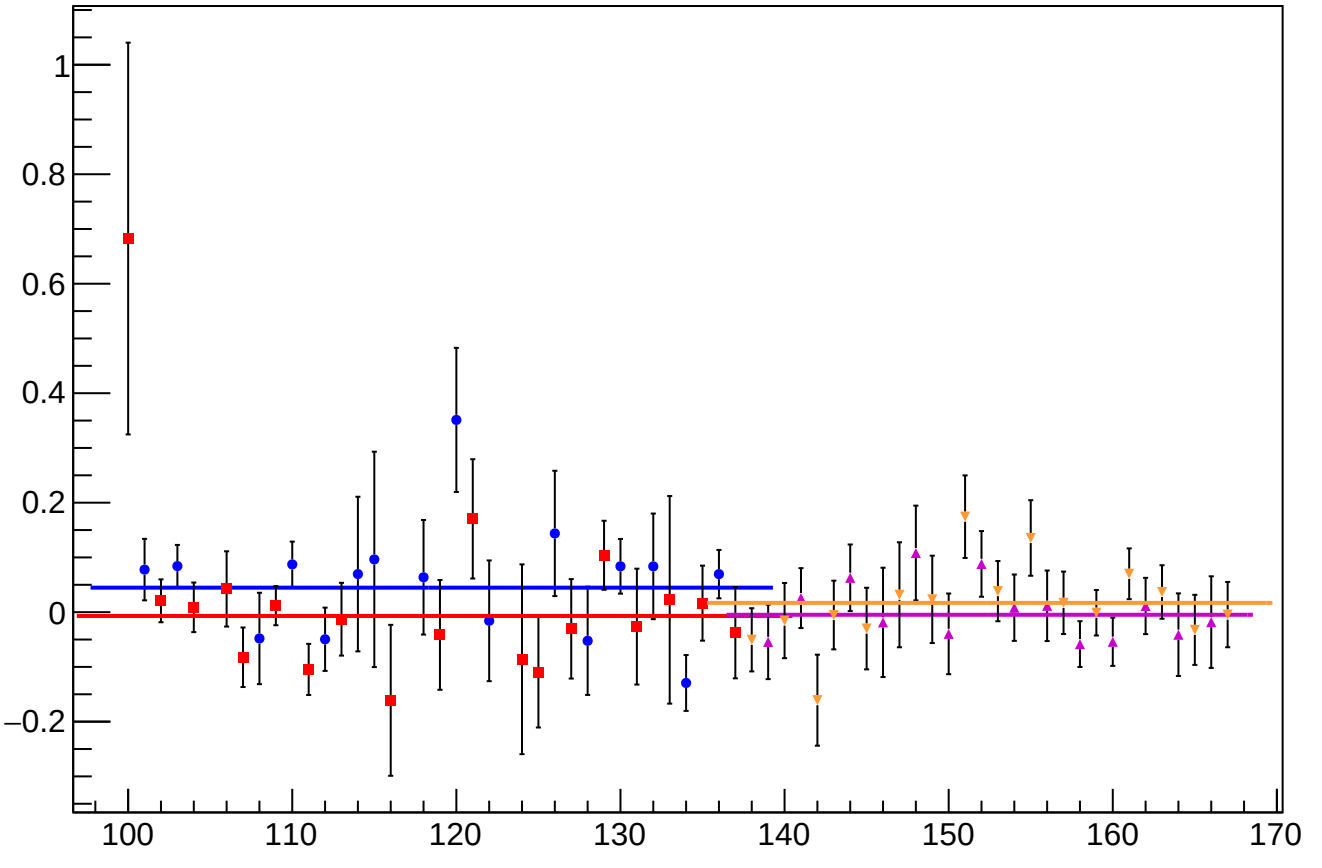
Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:26.3/29

Out: 0.000+/-0.000 χ^2/NDF:40.5/34

All: 0.000+/-0.000 χ^2/NDF: 70.3/64


asym_sam6_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:661009.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:561386.6/13
Left: 0.000+/-0.000 χ²/NDF: 1224770.0/29
Right: 0.000+/-0.000 χ²/NDF: 3862189.3/34
In: 0.000+/-0.000 χ²/NDF:2566067.3/29
Out: 0.000+/-0.000 χ²/NDF:2523949.2/34
All: 0.000+/-0.000 χ²/NDF: 5090474.3/64



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/13

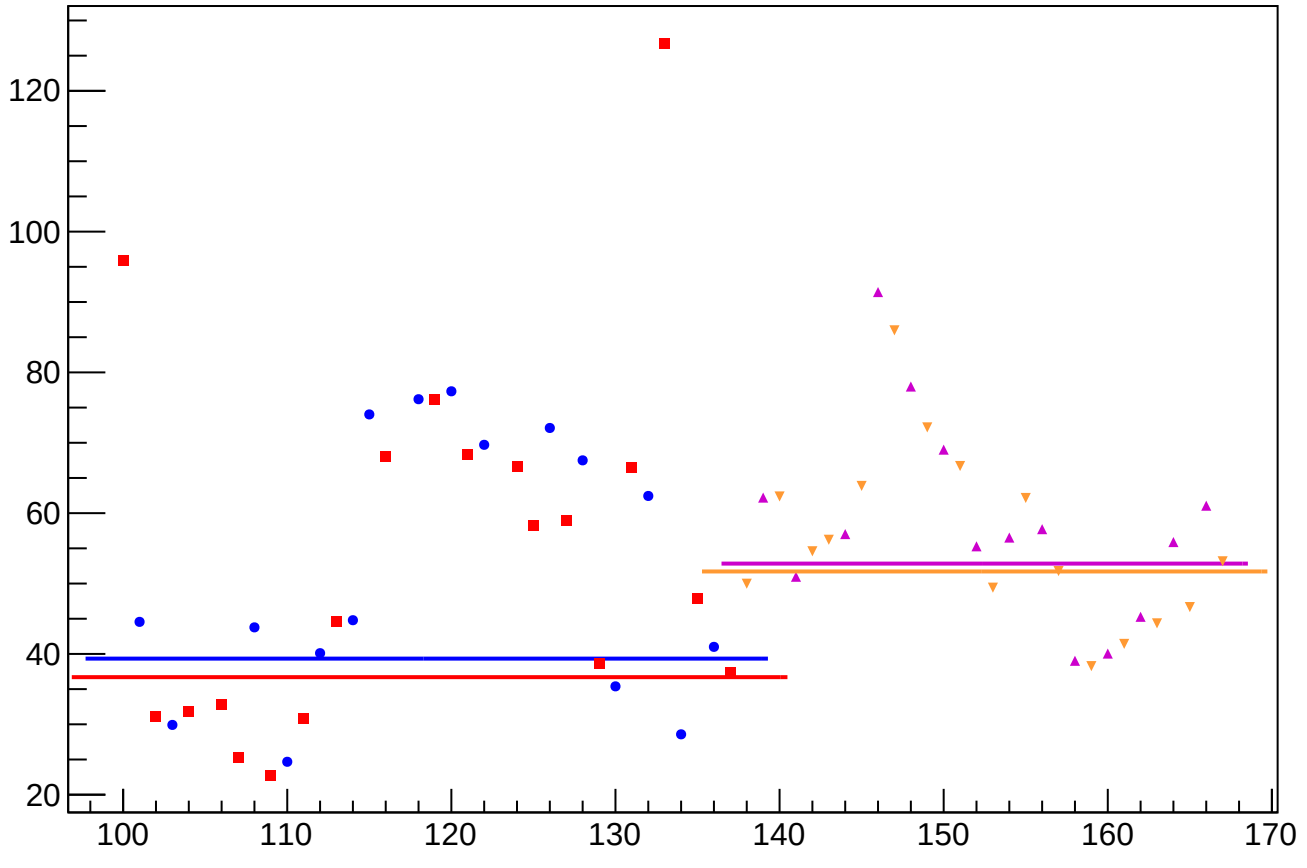
Left: 0.007+/-0.011 χ^2/NDF: 27.3/29

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.1/29

Out: 0.005+/-0.011 χ^2/NDF:38.0/34

All: 0.012+/-0.008 χ^2/NDF: 80.0/64



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.717+/-0.011 χ^2/NDF:998530.4/15

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.834+/-0.011 χ^2/NDF:1087893.9/13

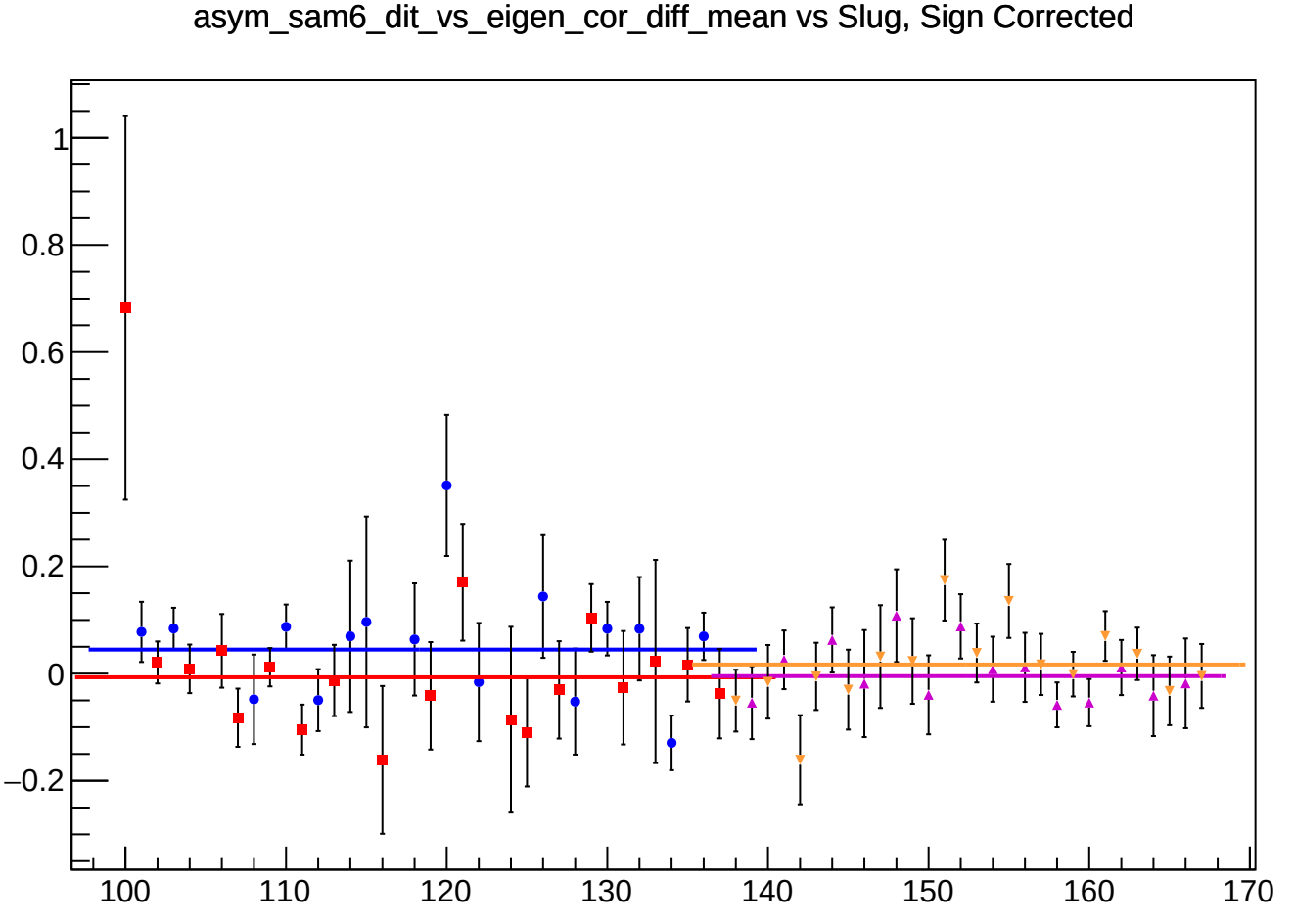
Left: 52.237+/-0.008 χ^2/NDF: 2091512.6/29

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.011+/-0.008 χ^2/NDF:3356614.7/29

Out: 44.200+/-0.008 χ^2/NDF:4081819.7/34

All: 45.048+/-0.006 χ^2/NDF: 7465299.2/64



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/13

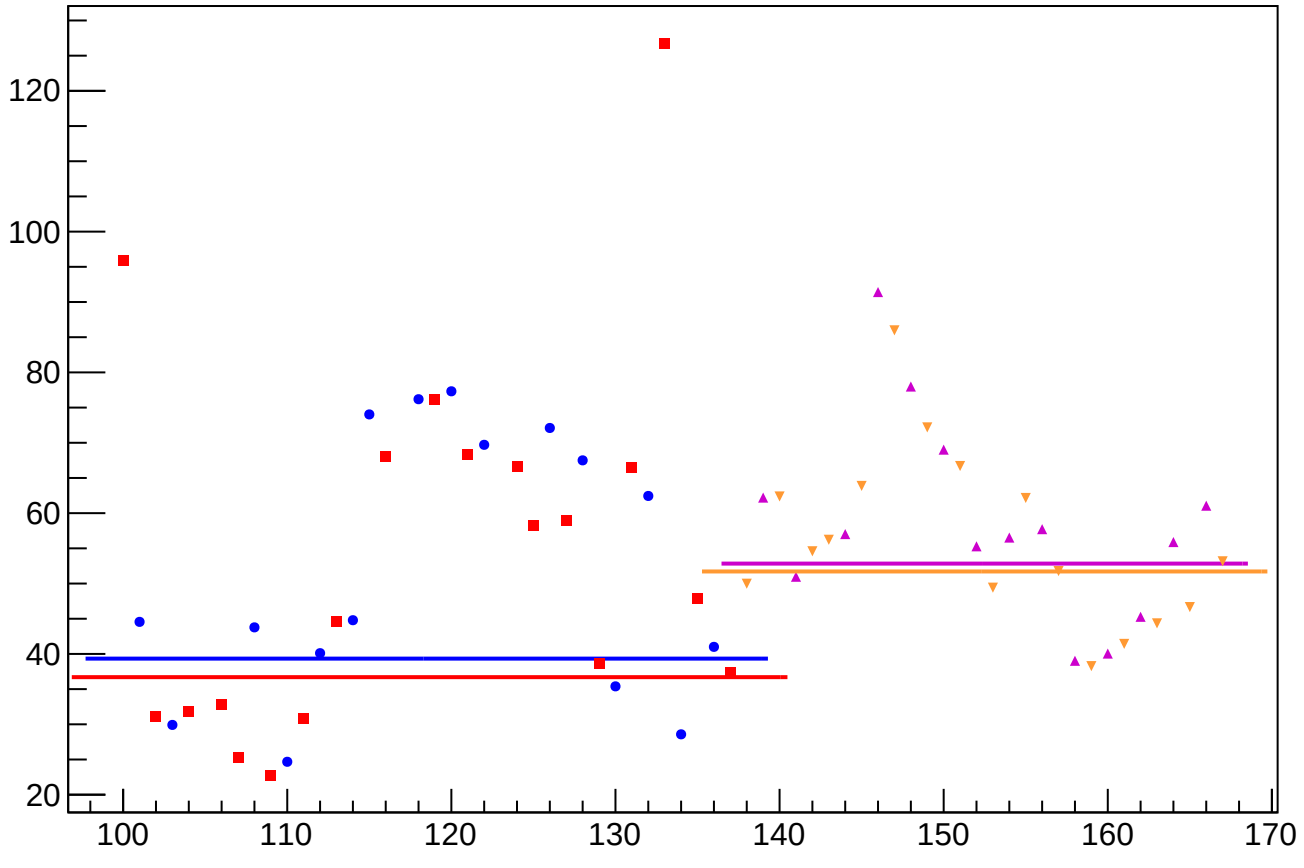
Left: 0.007+/-0.011 χ^2/NDF: 27.3/29

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.1/29

Out: 0.005+/-0.011 χ^2/NDF:38.0/34

All: 0.012+/-0.008 χ^2/NDF: 80.0/64



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.717+/-0.011 χ^2/NDF:998530.4/15

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.834+/-0.011 χ^2/NDF:1087893.9/13

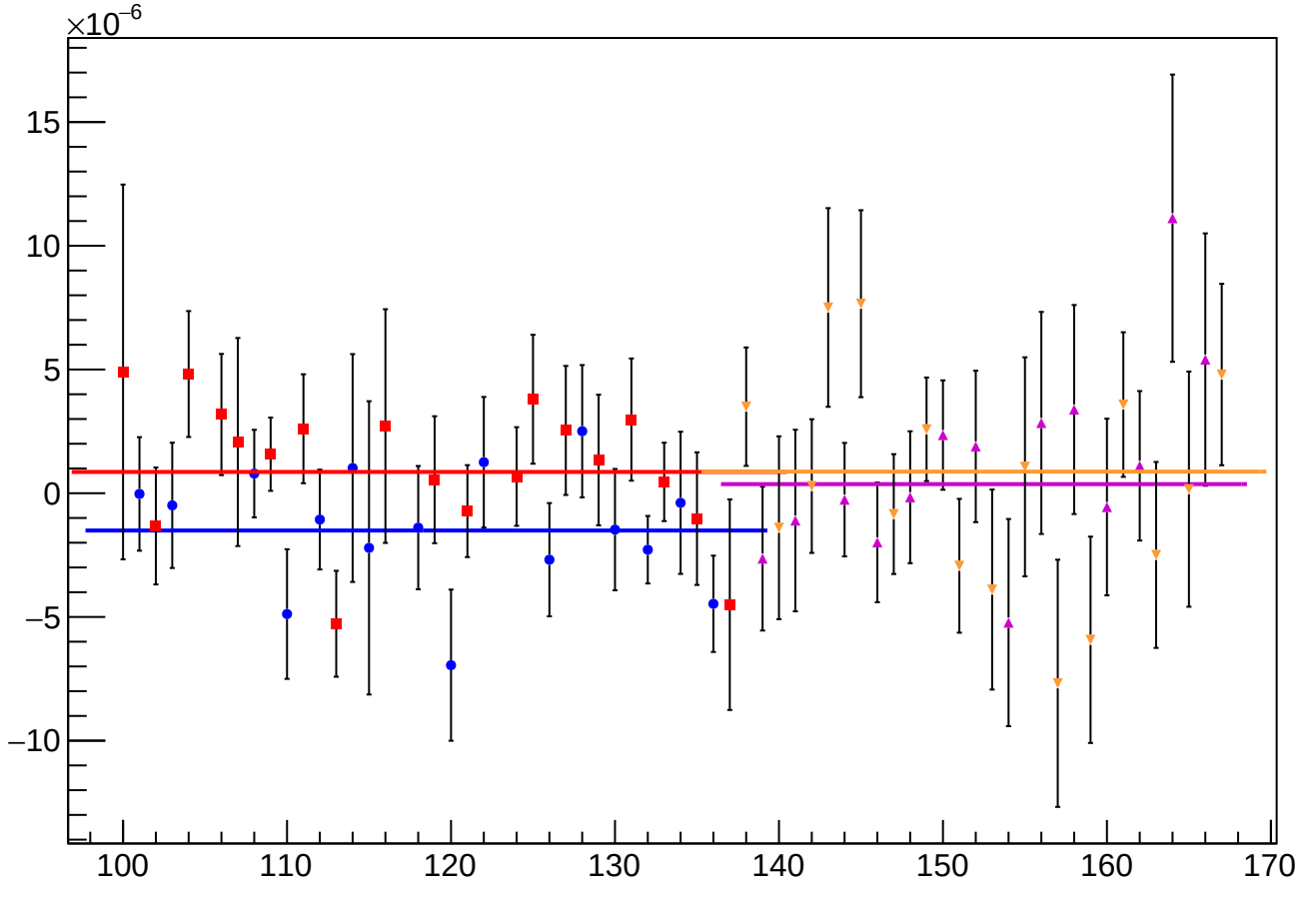
Left: 52.237+/-0.008 χ^2/NDF: 2091512.6/29

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.011+/-0.008 χ^2/NDF:3356614.7/29

Out: 44.200+/-0.008 χ^2/NDF:4081819.7/34

All: 45.048+/-0.006 χ^2/NDF: 7465299.2/64



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/13

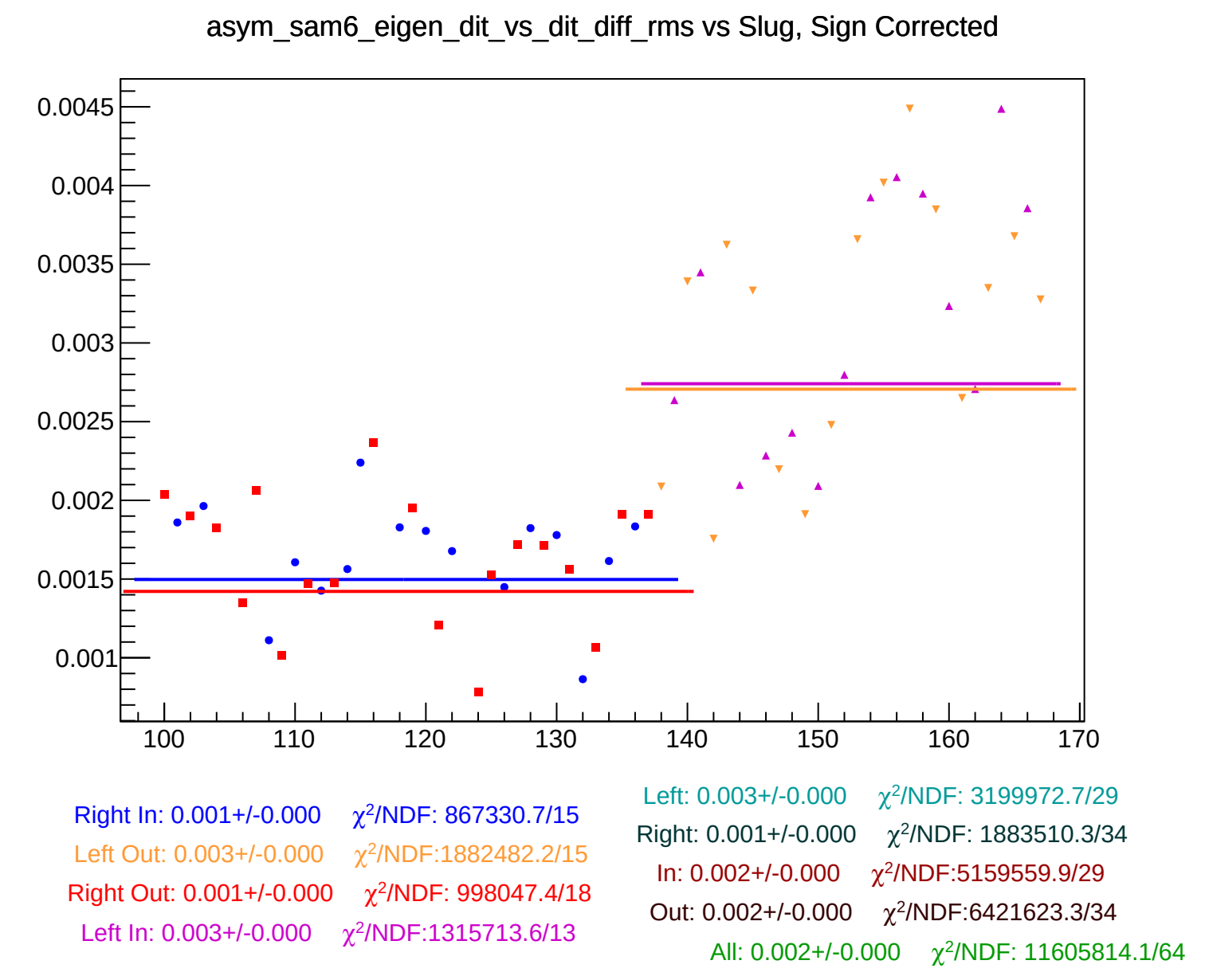
Left: 0.000+/-0.000 χ^2/NDF: 31.2/29

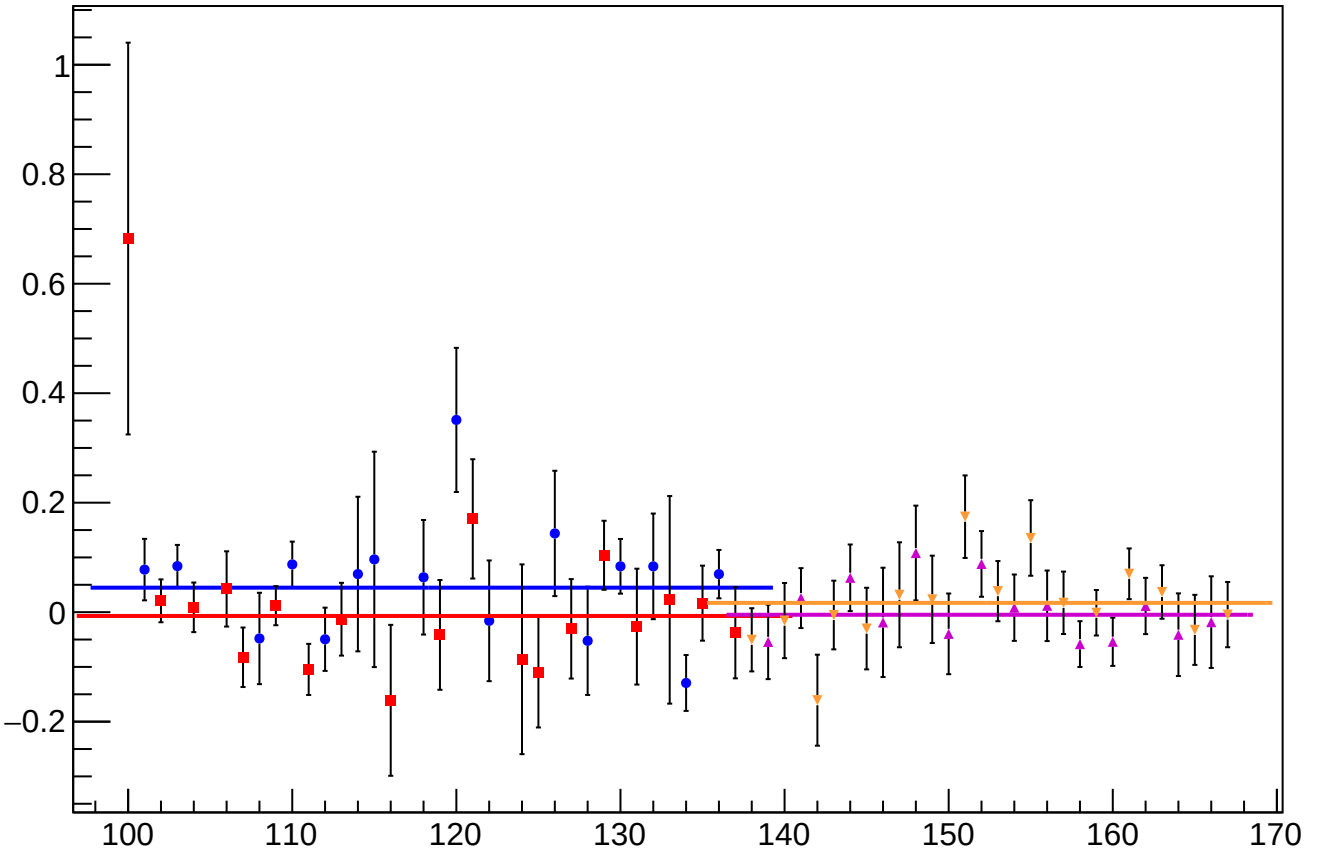
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:27.7/29

Out: 0.000+/-0.000 χ^2/NDF:39.7/34

All: 0.000+/-0.000 χ^2/NDF: 74.6/64


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1882482.2/15
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1315713.6/13
Left: 0.003+/-0.000 χ²/NDF: 3199972.7/29
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:5159559.9/29
Out: 0.002+/-0.000 χ²/NDF:6421623.3/34
All: 0.002+/-0.000 χ²/NDF: 11605814.1/64



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/13

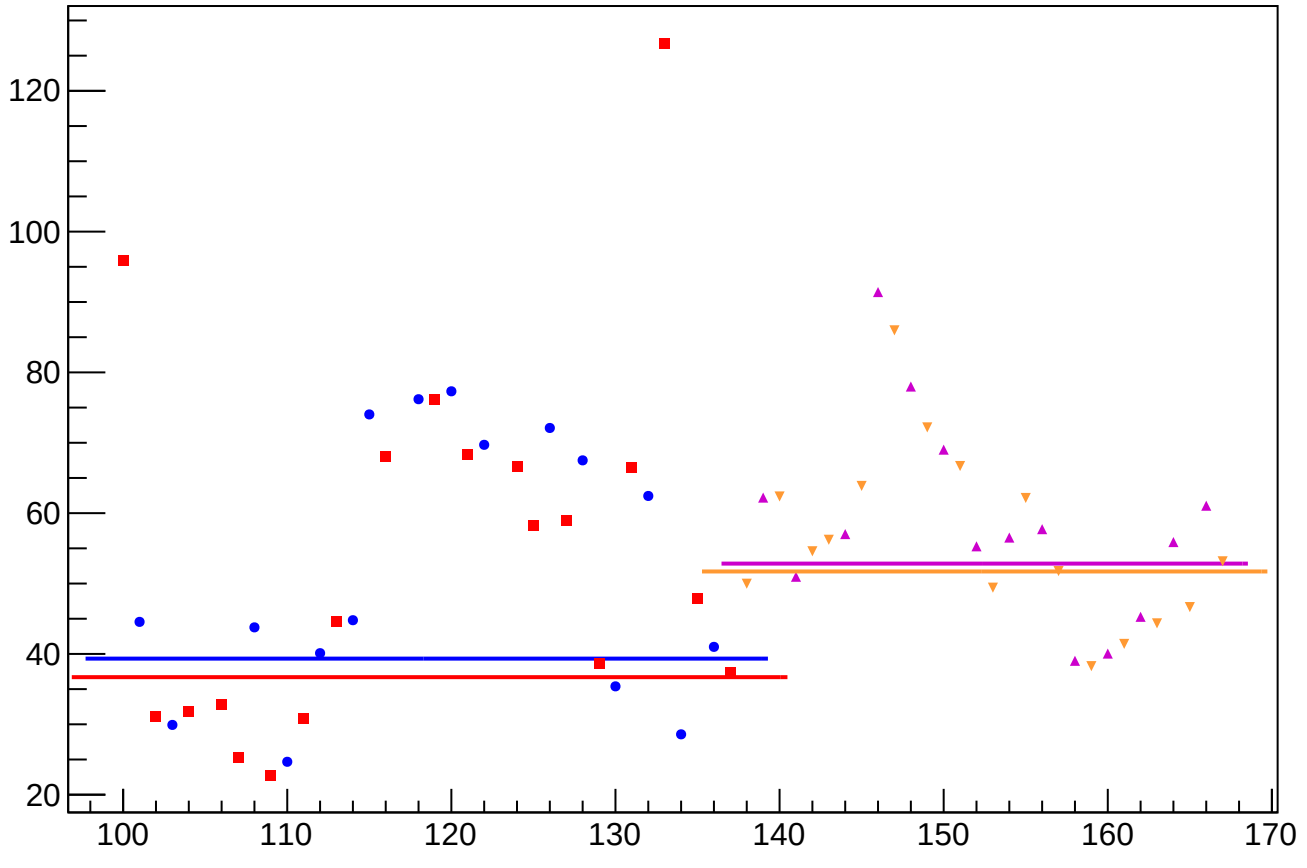
Left: 0.007+/-0.011 χ^2/NDF: 27.3/29

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.1/29

Out: 0.005+/-0.011 χ^2/NDF:38.0/34

All: 0.012+/-0.008 χ^2/NDF: 80.0/64



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.715+/-0.011 χ^2/NDF:998602.8/15

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.833+/-0.011 χ^2/NDF:1088016.5/13

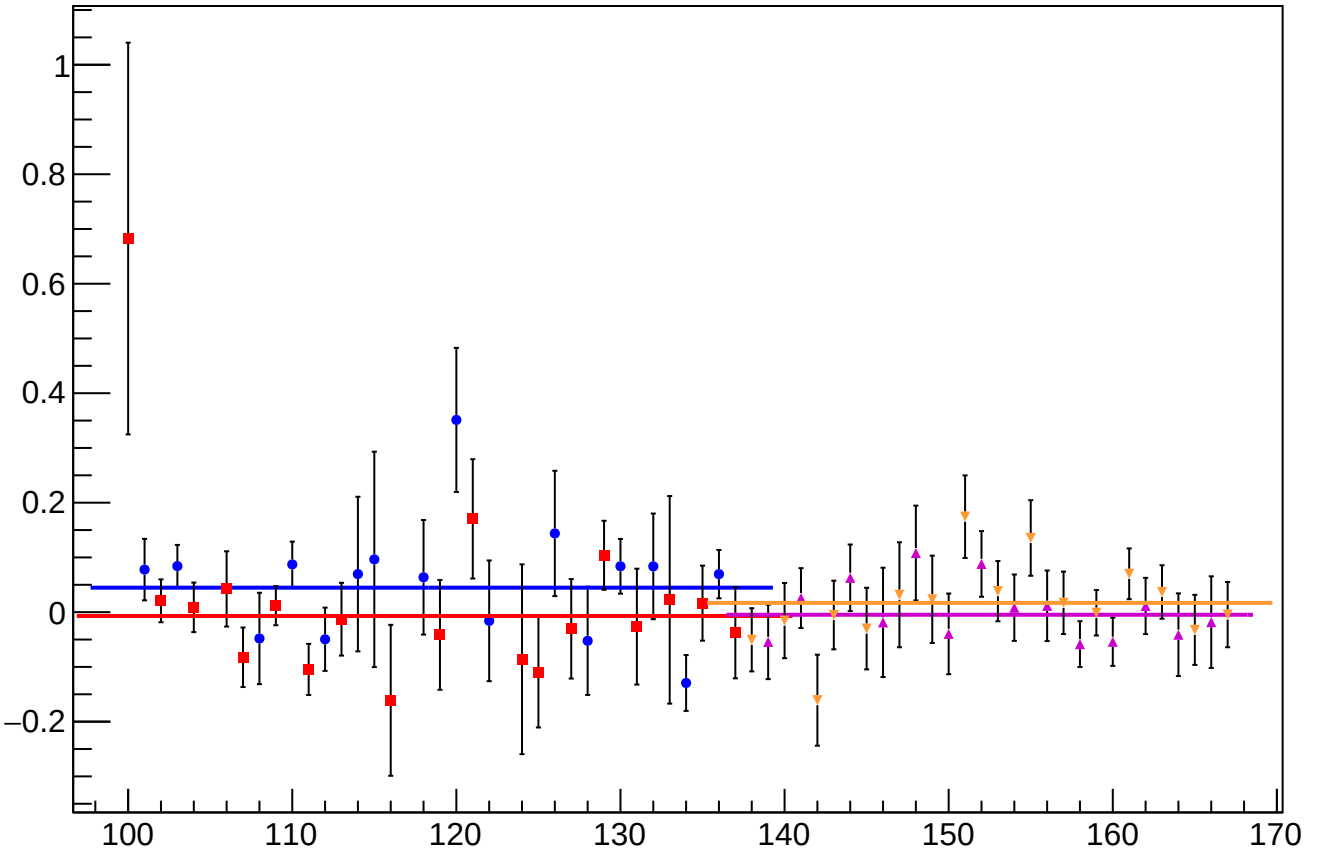
Left: 52.236+/-0.008 χ^2/NDF: 2091706.3/29

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.010+/-0.008 χ^2/NDF:3356704.8/29

Out: 44.199+/-0.008 χ^2/NDF:4081799.5/34

All: 45.047+/-0.006 χ^2/NDF: 7465362.6/64



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/13

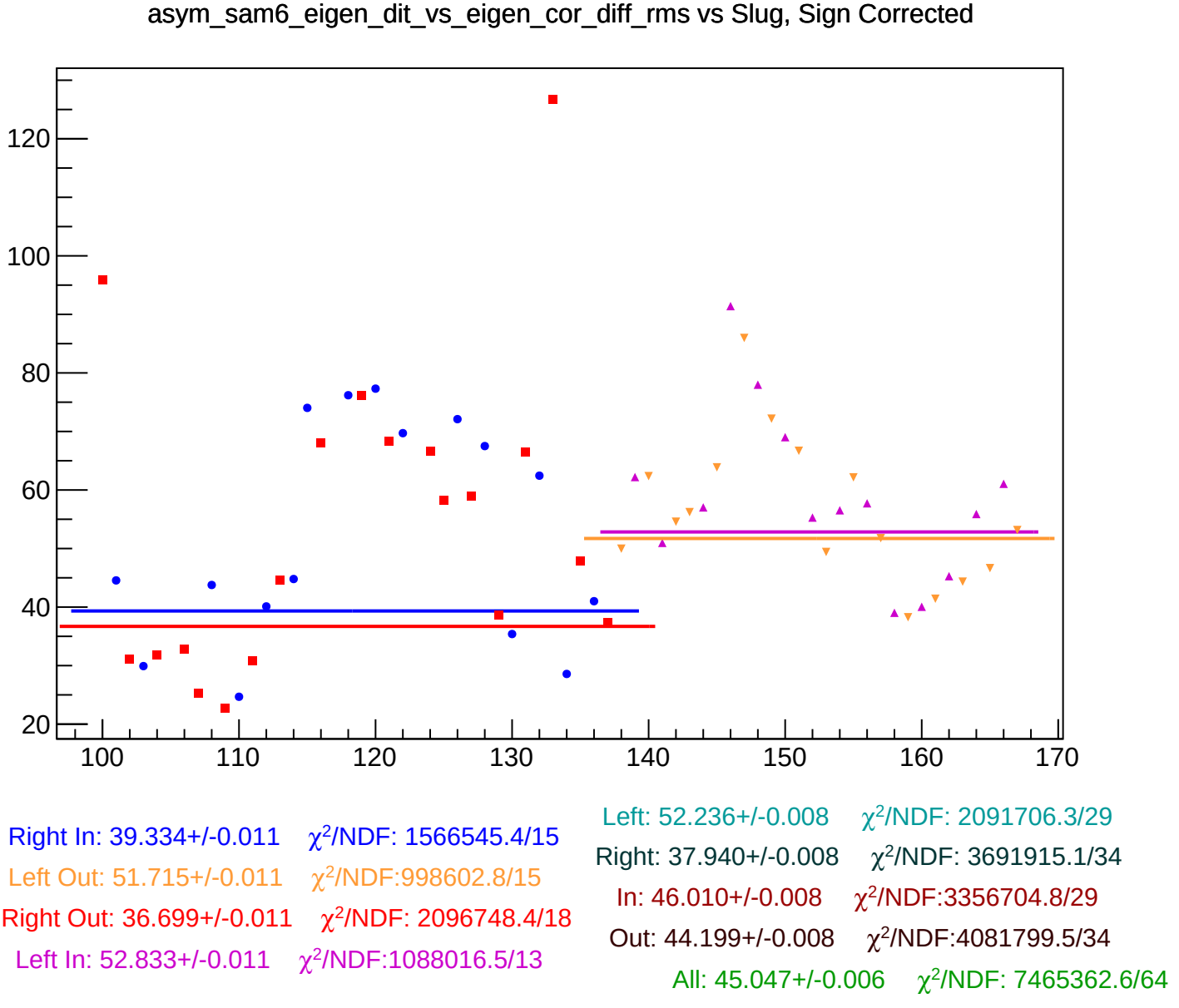
Left: 0.007+/-0.011 χ^2/NDF: 27.3/29

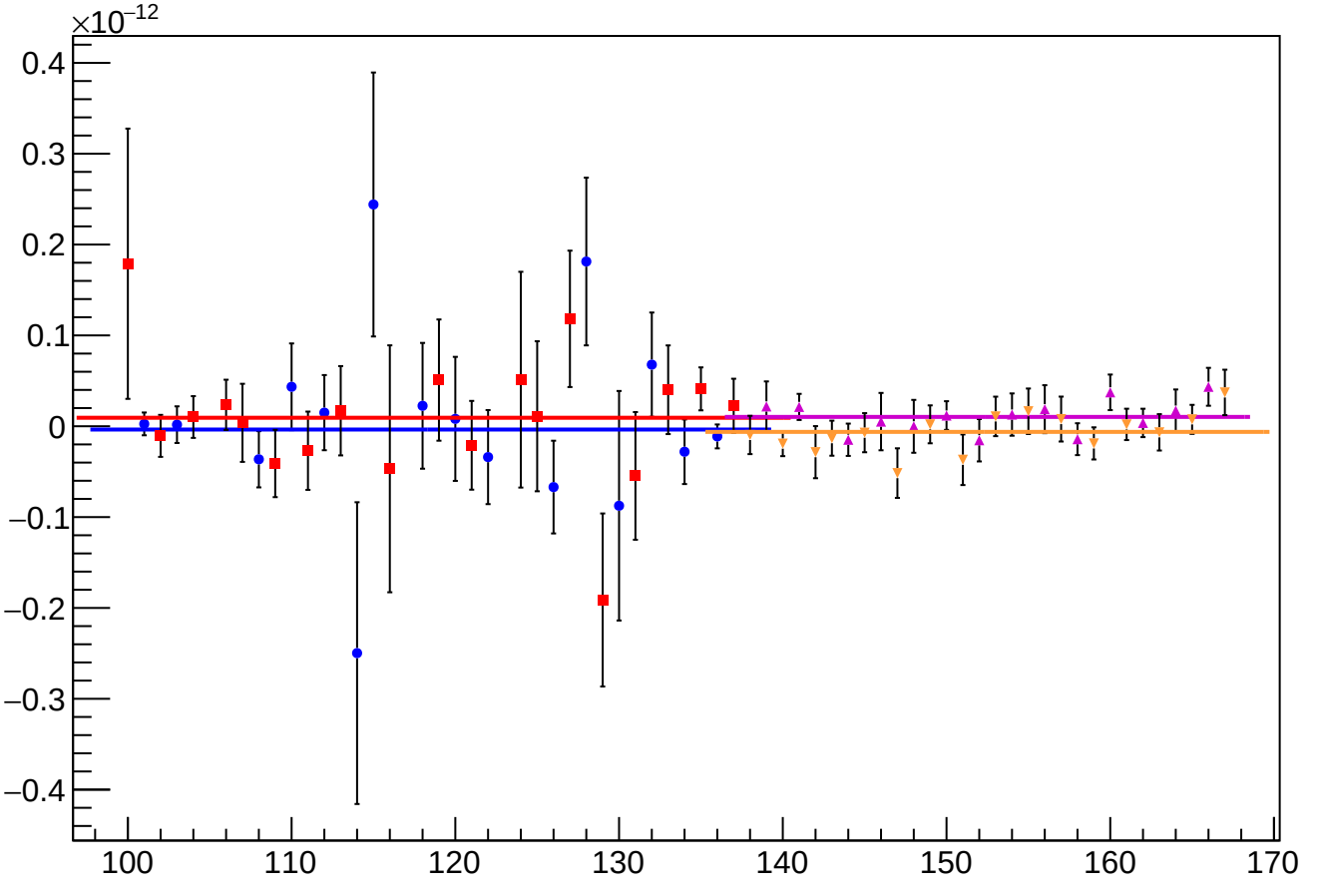
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.1/29

Out: 0.005+/-0.011 χ^2/NDF:38.0/34

All: 0.012+/-0.008 χ^2/NDF: 80.0/64


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 39.334+/-0.011 χ²/NDF: 1566545.4/15
Left Out: 51.715+/-0.011 χ²/NDF:998602.8/15
Right Out: 36.699+/-0.011 χ²/NDF: 2096748.4/18
Left In: 52.833+/-0.011 χ²/NDF:1088016.5/13
Left: 52.236+/-0.008 χ²/NDF: 2091706.3/29
Right: 37.940+/-0.008 χ²/NDF: 3691915.1/34
In: 46.010+/-0.008 χ²/NDF:3356704.8/29
Out: 44.199+/-0.008 χ²/NDF:4081799.5/34
All: 45.047+/-0.006 χ²/NDF: 7465362.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/13

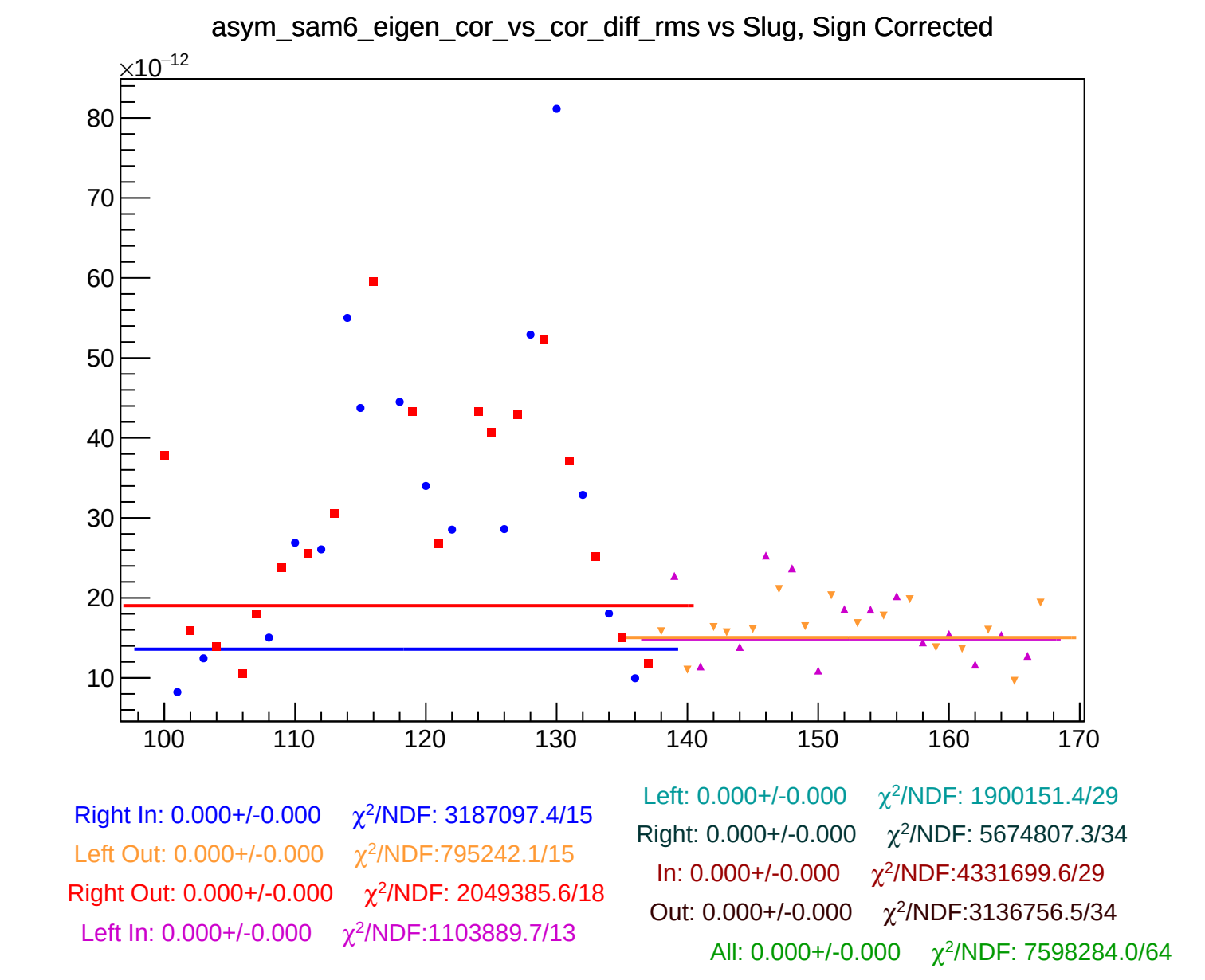
Left: 0.000+/-0.000 χ^2/NDF: 27.9/29

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

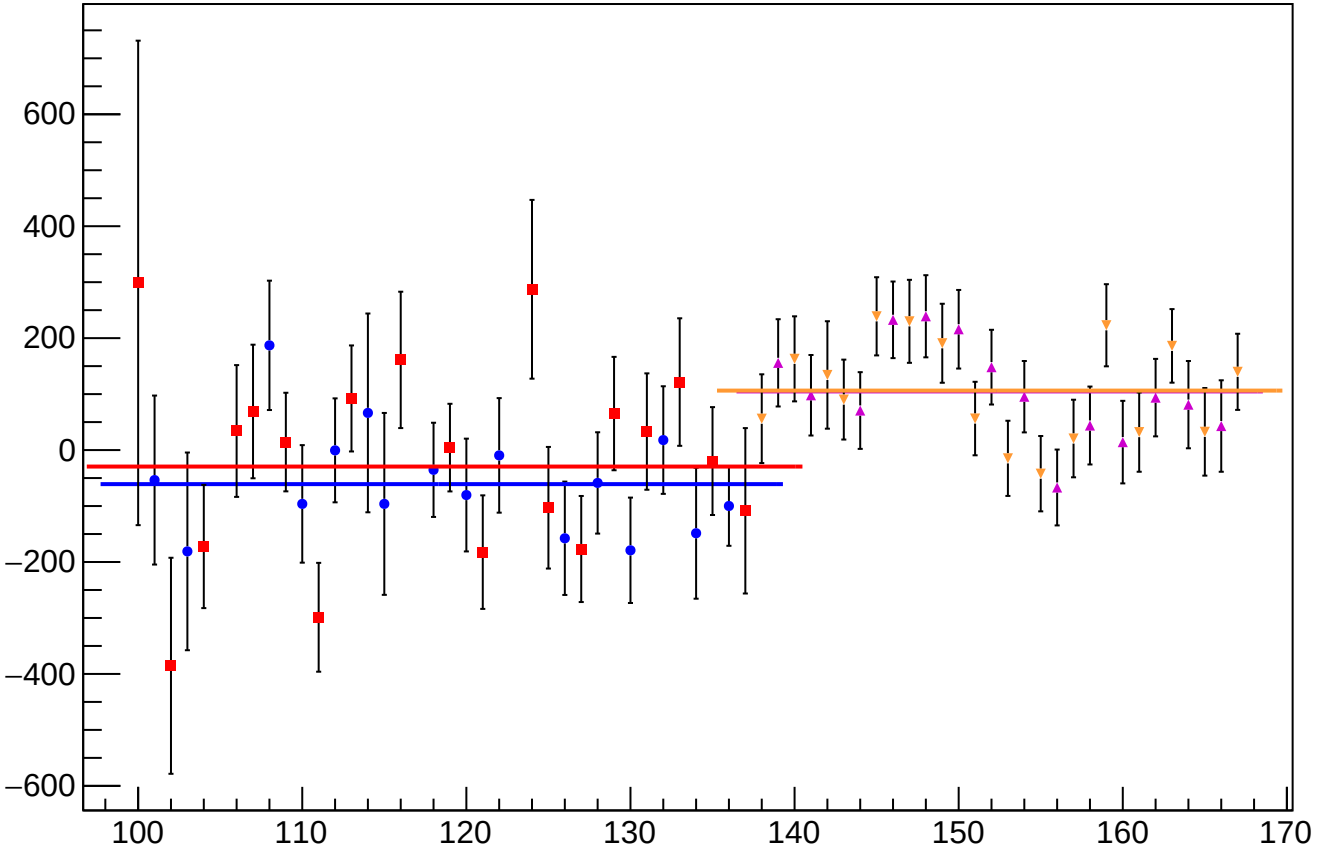
In: 0.000+/-0.000 χ^2/NDF:29.9/29

Out: -0.000+/-0.000 χ^2/NDF:30.0/34

All: 0.000+/-0.000 χ^2/NDF: 61.5/64


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:795242.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1103889.7/13
Left: 0.000+/-0.000 χ²/NDF: 1900151.4/29
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4331699.6/29
Out: 0.000+/-0.000 χ²/NDF:3136756.5/34
All: 0.000+/-0.000 χ²/NDF: 7598284.0/64

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.279+/-17.952 χ^2/NDF:25.4/15

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 104.782+/-18.988 χ^2/NDF:19.9/13

Left: 105.572+/-13.045 χ^2/NDF: 45.2/29

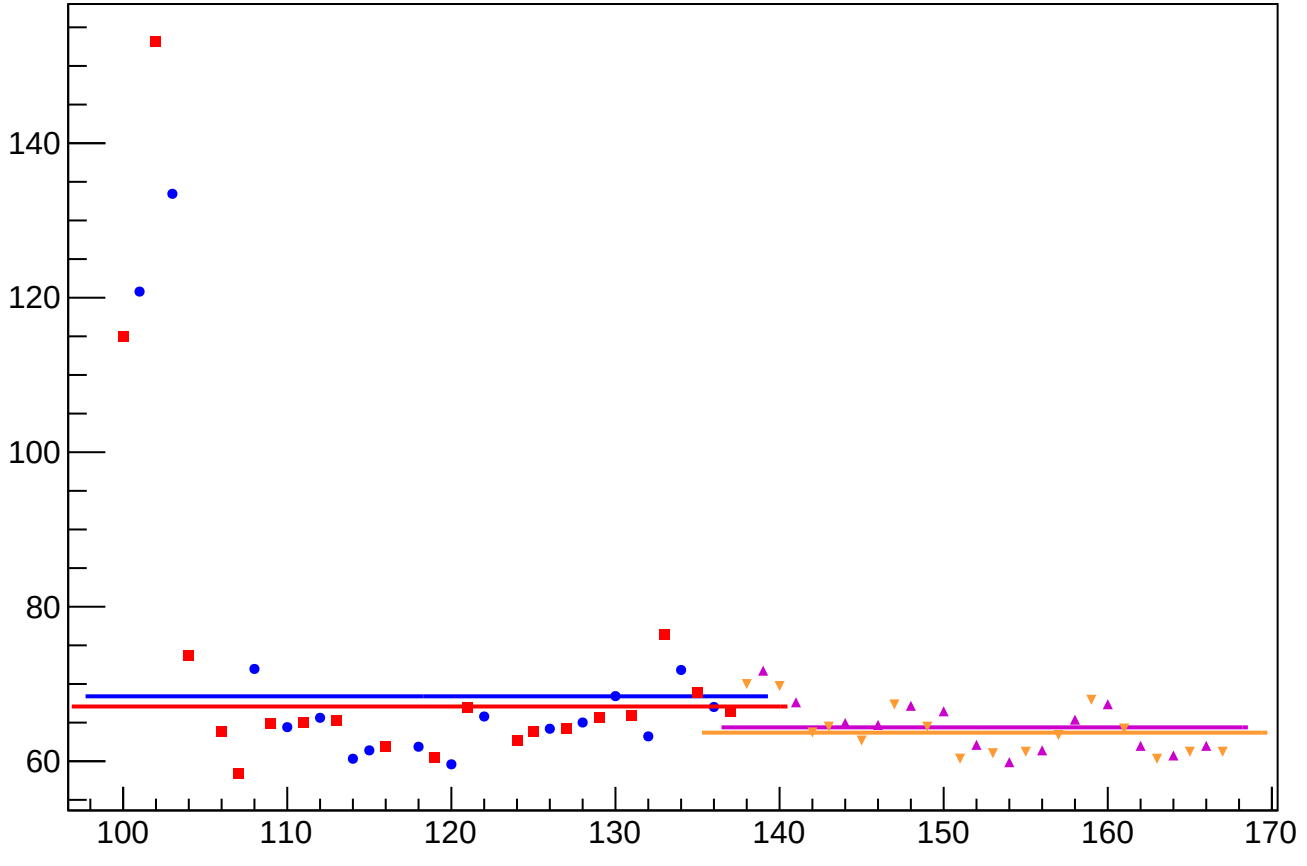
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 47.325+/-15.345 χ^2/NDF:56.8/29

Out: 60.356+/-14.603 χ^2/NDF:75.9/34

All: 54.163+/-10.579 χ^2/NDF: 133.1/64

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.699+/-0.013 χ^2/NDF:58817.7/15

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.387+/-0.013 χ^2/NDF:54889.2/13

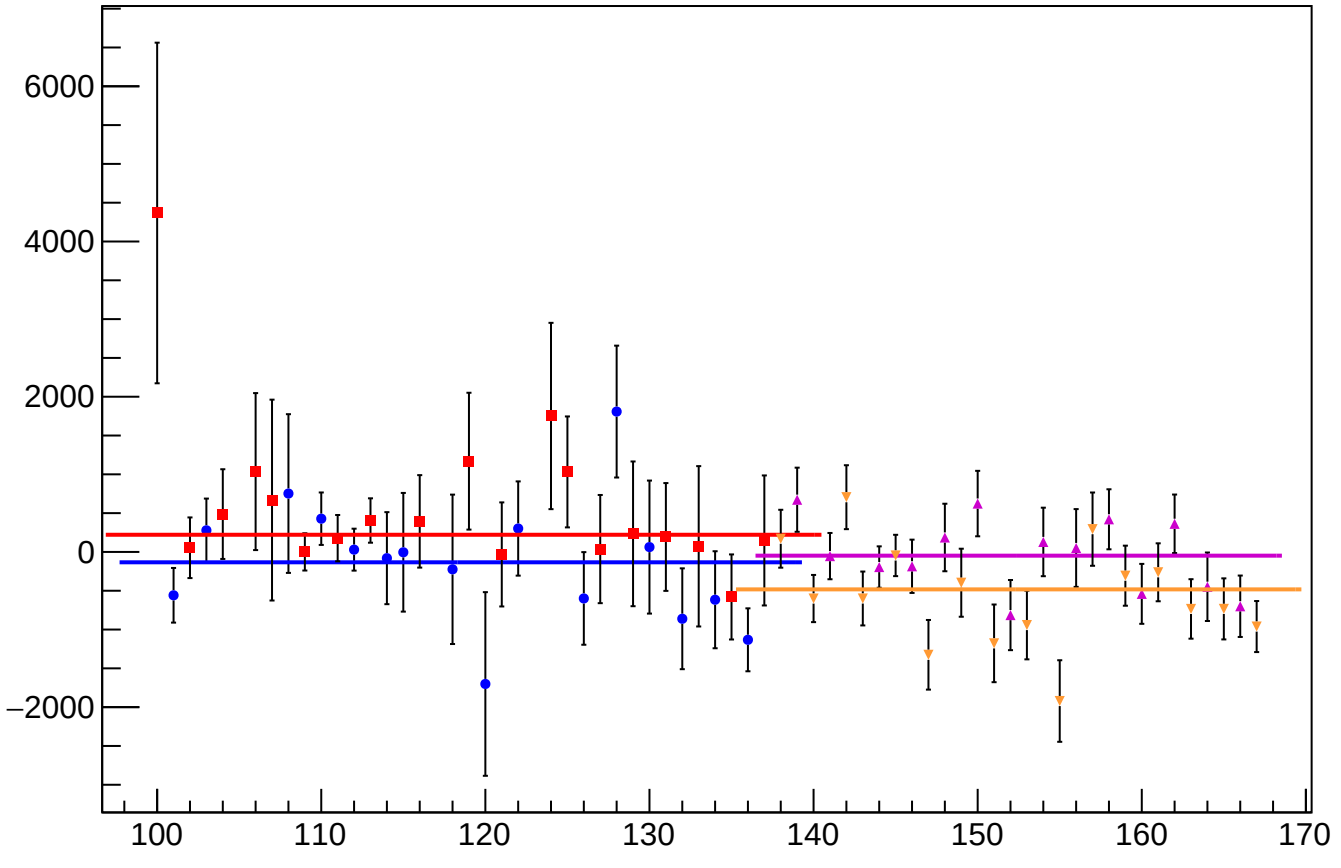
Left: 64.023+/-0.009 χ^2/NDF: 115094.0/29

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.780+/-0.011 χ^2/NDF:655491.5/29

Out: 64.845+/-0.010 χ^2/NDF:564721.9/34

All: 65.289+/-0.007 χ^2/NDF: 1224114.2/64



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -482.424+/-95.317 χ^2/NDF:34.6/15

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -48.000+/-101.783 χ^2/NDF:17.2/13

Left: -279.449+/-69.573 χ^2/NDF: 61.6/29

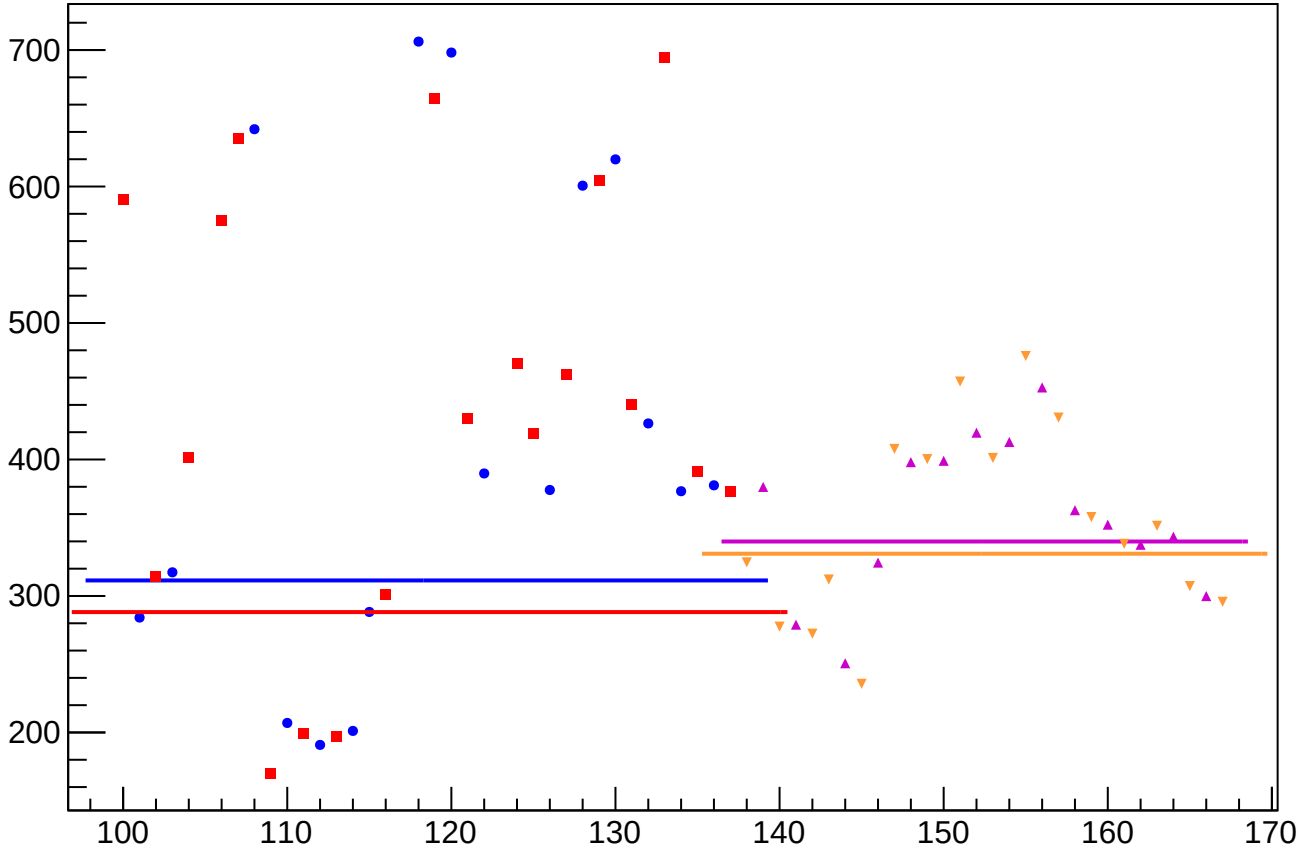
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -81.828+/-79.153 χ^2/NDF:40.0/29

Out: -203.926+/-74.094 χ^2/NDF:68.7/34

All: -146.904+/-54.093 χ^2/NDF: 110.0/64

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 330.957+/-0.067 χ^2/NDF:938580.0/15

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 339.917+/-0.072 χ^2/NDF:653236.1/13

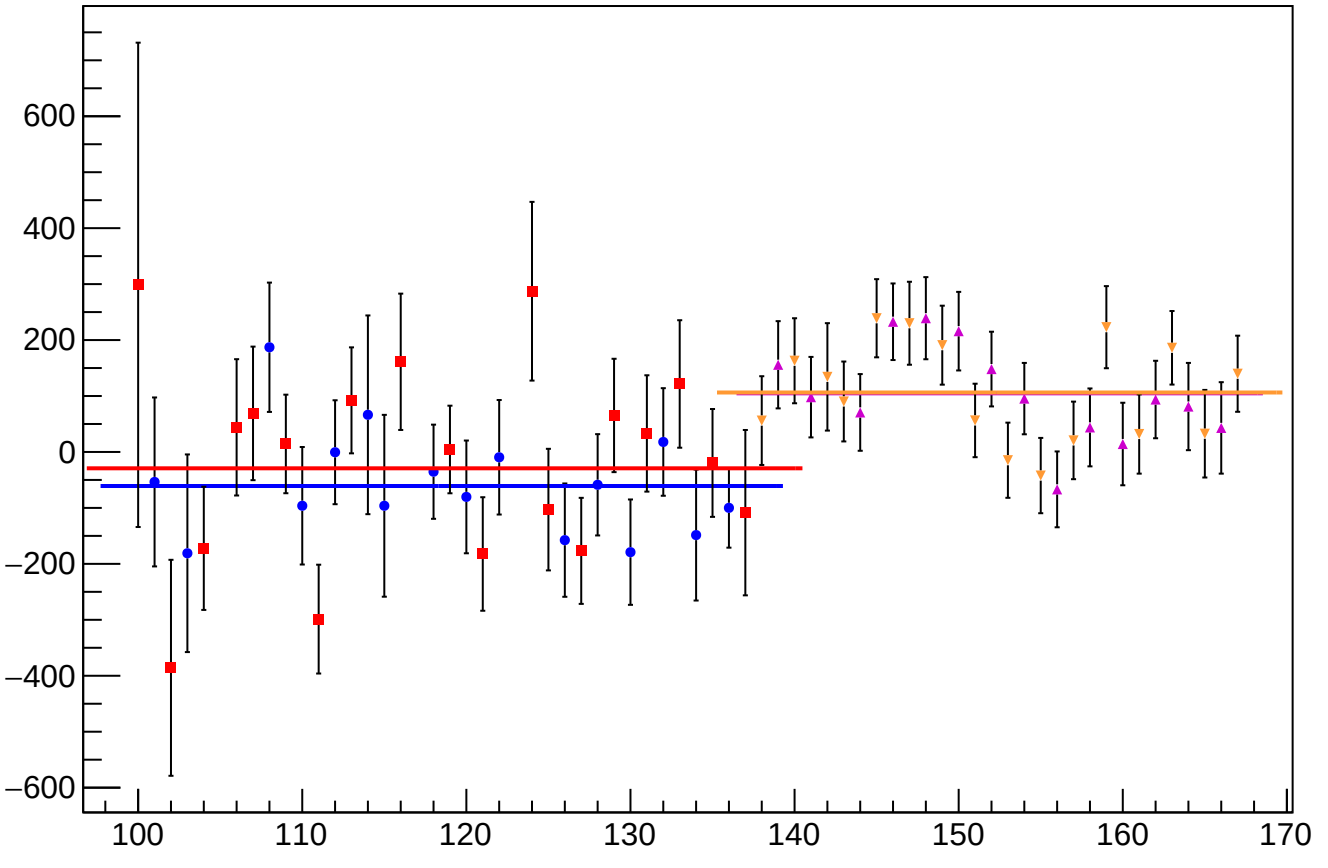
Left: 335.143+/-0.049 χ^2/NDF: 1600073.8/29

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 328.640+/-0.056 χ^2/NDF:2839143.9/29

Out: 314.038+/-0.052 χ^2/NDF:3813182.6/34

All: 320.858+/-0.038 χ^2/NDF: 6688604.4/64



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.280+/-17.952 χ^2/NDF:25.4/15

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 104.782+/-18.988 χ^2/NDF:19.9/13

Left: 105.573+/-13.045 χ^2/NDF: 45.2/29

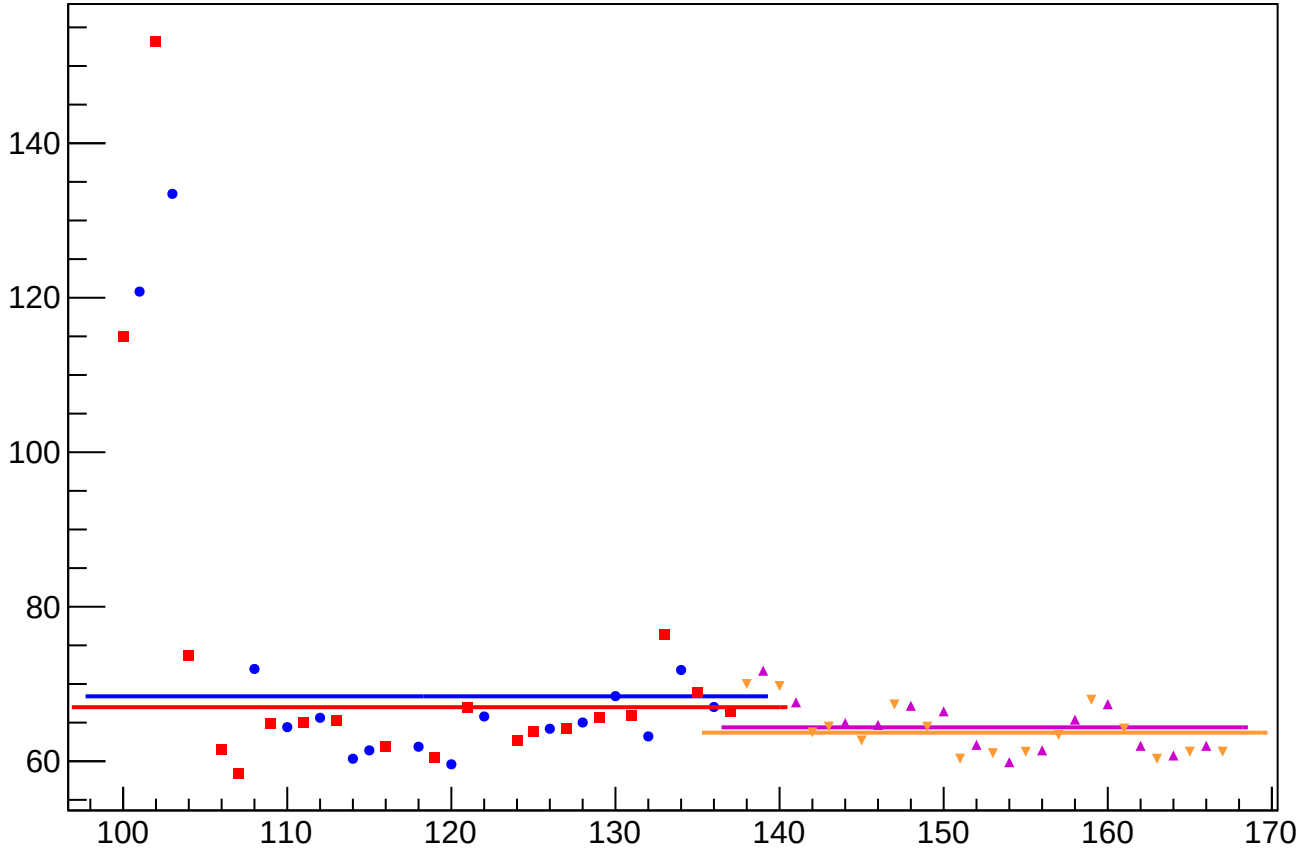
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 47.325+/-15.345 χ^2/NDF:56.8/29

Out: 60.526+/-14.610 χ^2/NDF:75.9/34

All: 54.249+/-10.581 χ^2/NDF: 133.1/64

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.699+/-0.013 χ^2/NDF:58817.7/15

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.387+/-0.013 χ^2/NDF:54889.2/13

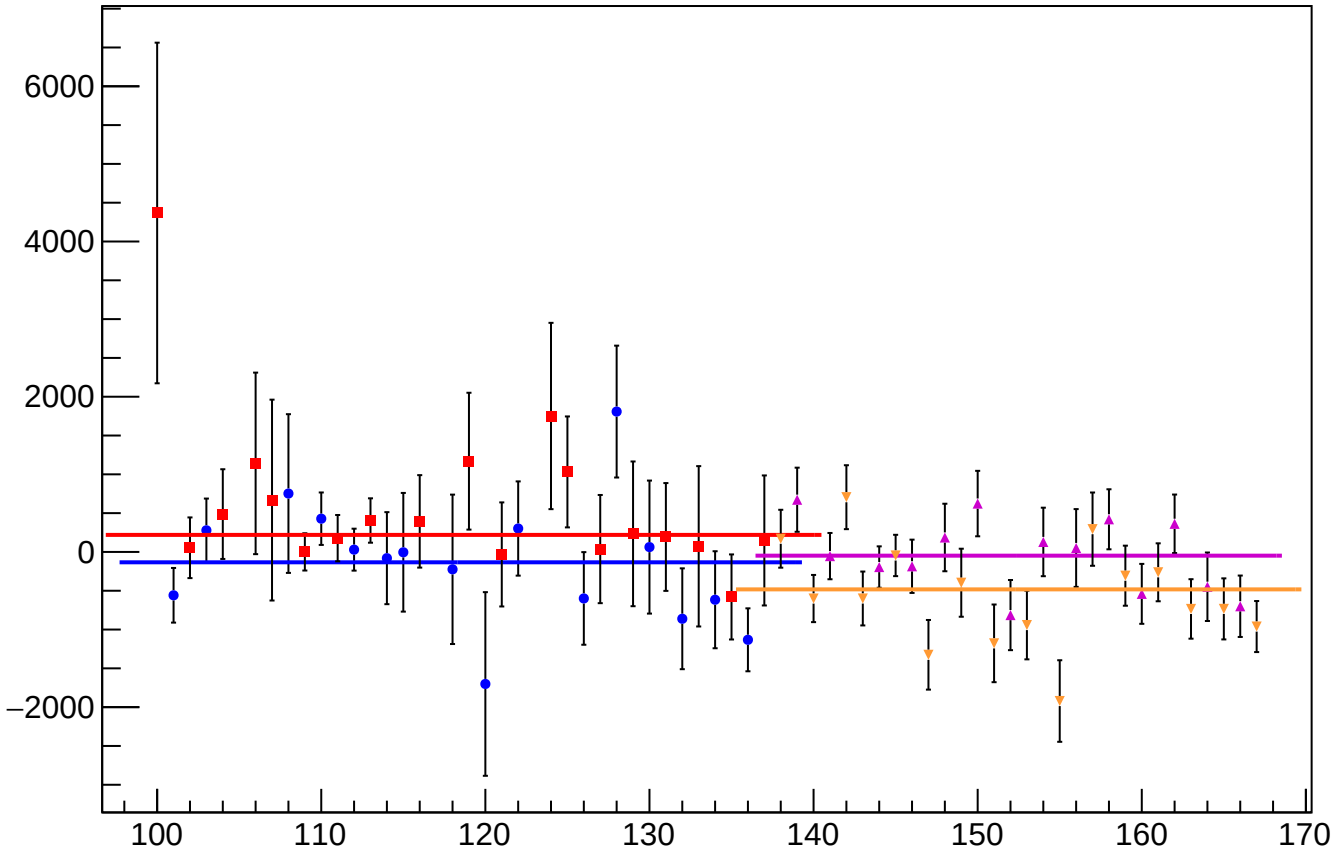
Left: 64.023+/-0.009 χ^2/NDF: 115094.0/29

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.780+/-0.011 χ^2/NDF:655491.9/29

Out: 64.812+/-0.010 χ^2/NDF:566070.8/34

All: 65.272+/-0.007 χ^2/NDF: 1225741.8/64



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -482.424+/-95.317 χ^2/NDF:34.6/15

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -48.003+/-101.783 χ^2/NDF:17.2/13

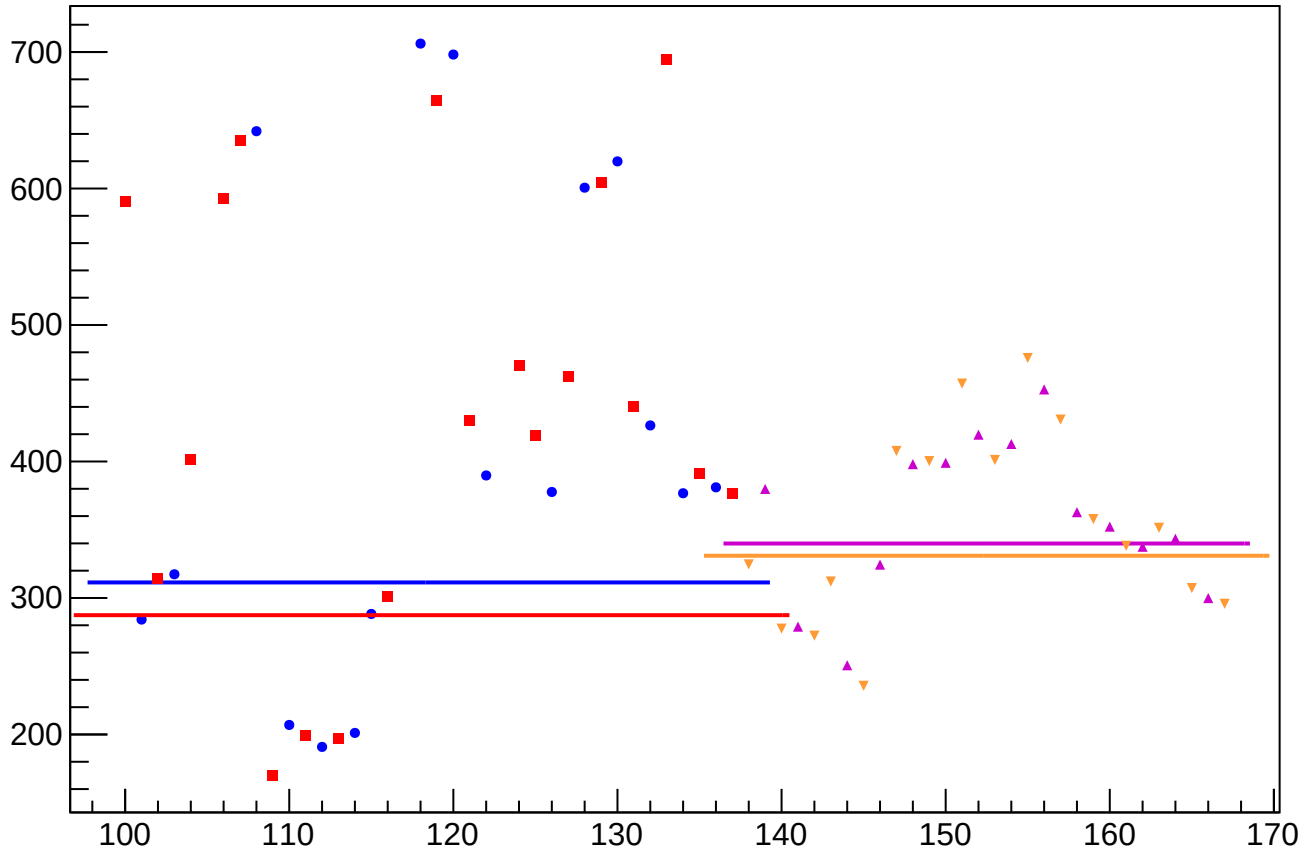
Left: -279.451+/-69.573 χ^2/NDF: 61.6/29

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -81.829+/-79.153 χ^2/NDF:40.0/29

Out: -205.192+/-74.145 χ^2/NDF:68.6/34

All: -147.536+/-54.113 χ^2/NDF: 109.8/64



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 330.956+/-0.067 χ^2/NDF:938585.0/15

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 339.917+/-0.072 χ^2/NDF:653234.0/13

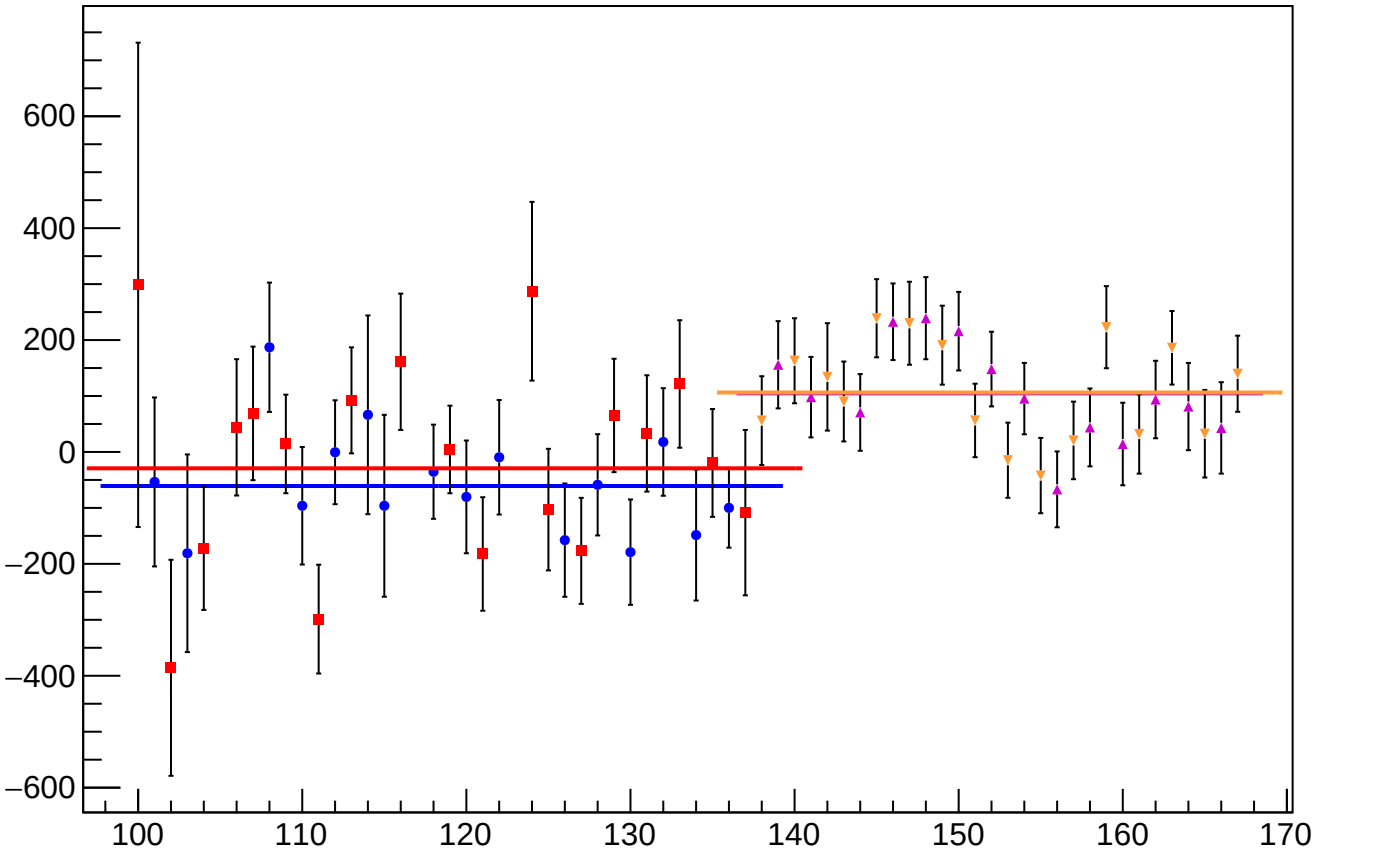
Left: 335.143+/-0.049 χ^2/NDF: 1600077.6/29

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 328.641+/-0.056 χ^2/NDF:2839135.1/29

Out: 313.761+/-0.052 χ^2/NDF:3793665.1/34

All: 320.716+/-0.038 χ^2/NDF: 6670447.3/64



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.280+/-17.952 χ^2/NDF:25.4/15

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 104.782+/-18.988 χ^2/NDF:19.9/13

Left: 105.573+/-13.045 χ^2/NDF: 45.2/29

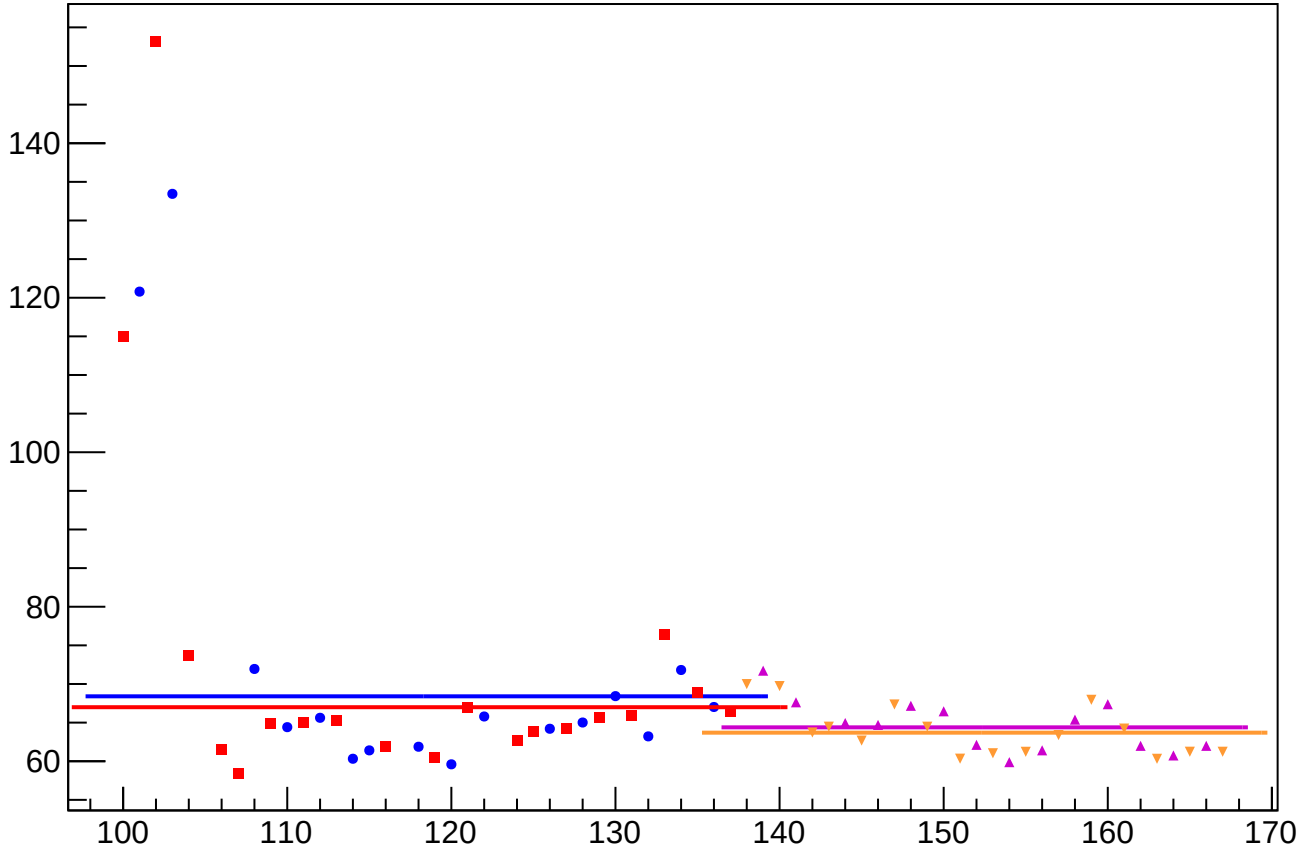
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 47.325+/-15.345 χ^2/NDF:56.8/29

Out: 60.526+/-14.610 χ^2/NDF:75.9/34

All: 54.249+/-10.581 χ^2/NDF: 133.1/64

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.699+/-0.013 χ^2/NDF:58817.7/15

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.387+/-0.013 χ^2/NDF:54889.2/13

Left: 64.023+/-0.009 χ^2/NDF: 115094.0/29

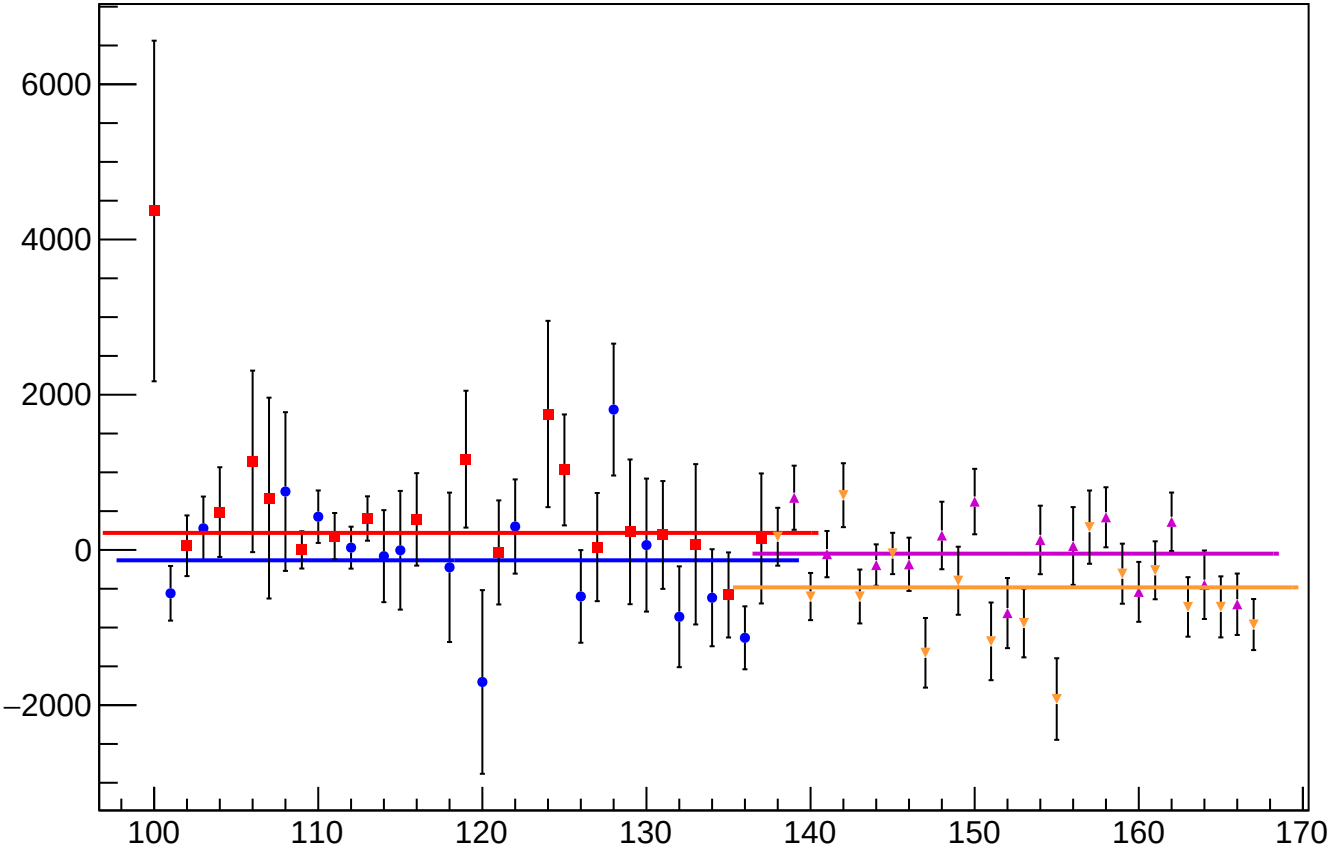
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.780+/-0.011 χ^2/NDF:655491.9/29

Out: 64.812+/-0.010 χ^2/NDF:566070.8/34

All: 65.272+/-0.007 χ^2/NDF: 1225741.8/64

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -482.424+/-95.317 χ^2/NDF:34.6/15

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -48.003+/-101.783 χ^2/NDF:17.2/13

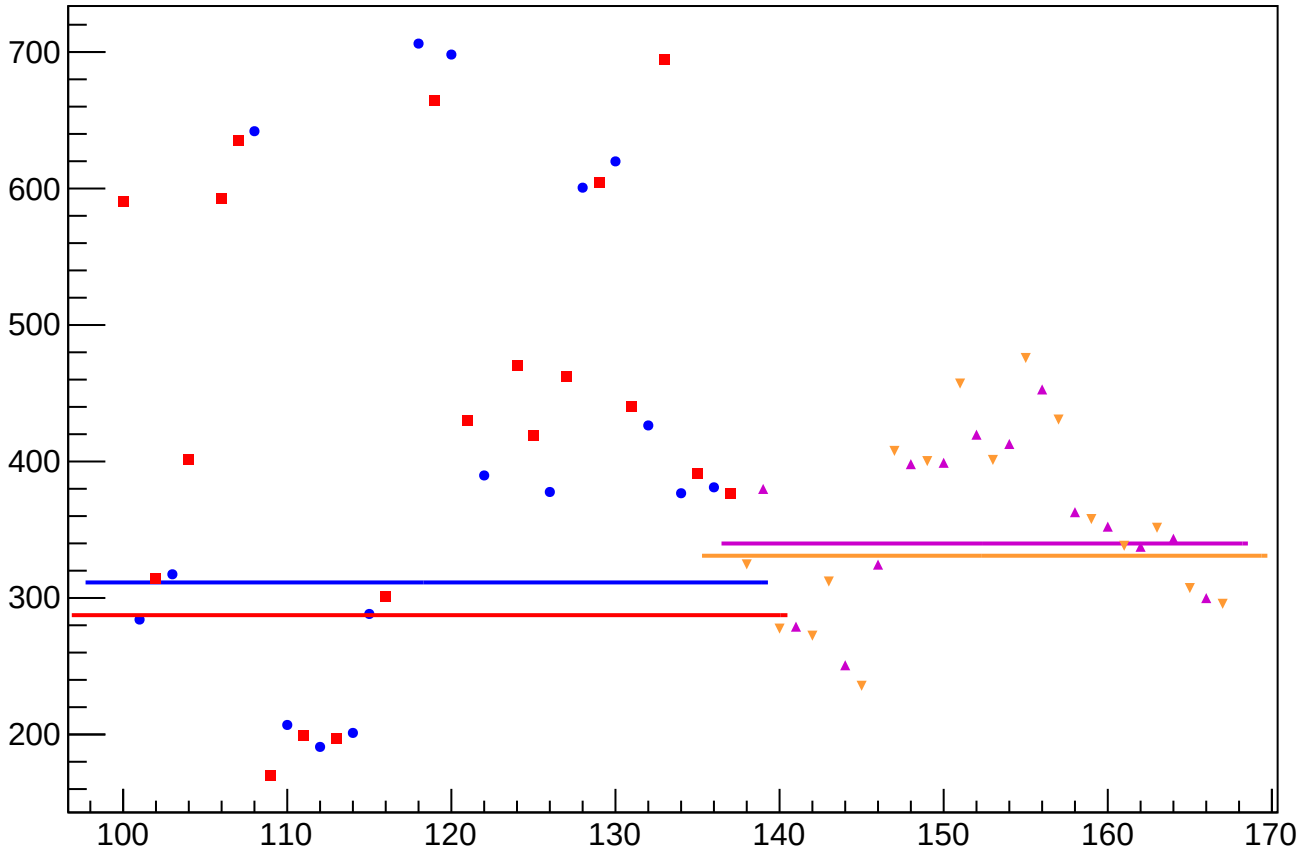
Left: -279.451+/-69.573 χ^2/NDF: 61.6/29

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -81.829+/-79.153 χ^2/NDF:40.0/29

Out: -205.192+/-74.145 χ^2/NDF:68.6/34

All: -147.536+/-54.113 χ^2/NDF: 109.8/64



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 330.956+/-0.067 χ^2/NDF:938585.0/15

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 339.917+/-0.072 χ^2/NDF:653234.0/13

Left: 335.143+/-0.049 χ^2/NDF: 1600077.6/29

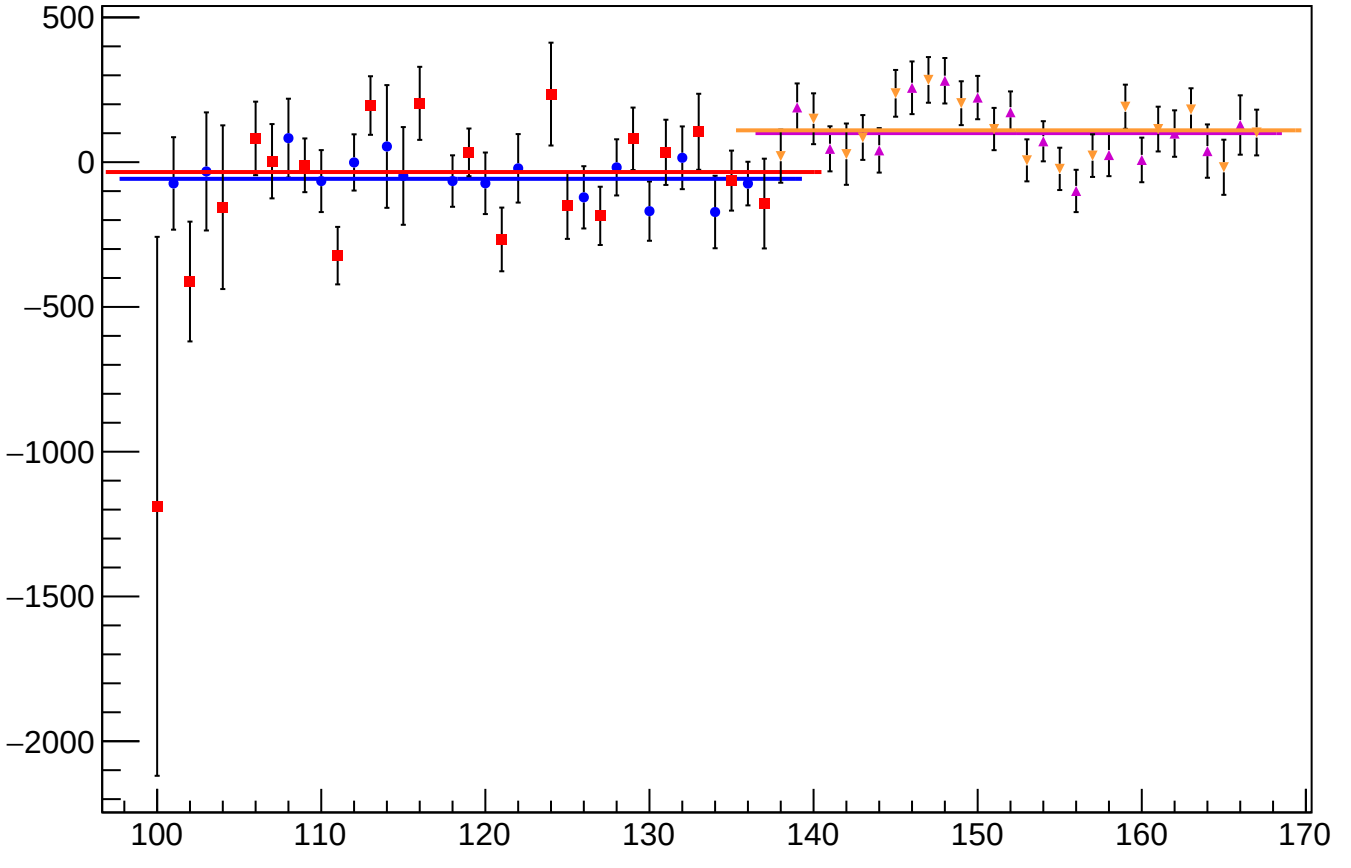
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 328.641+/-0.056 χ^2/NDF:2839135.1/29

Out: 313.761+/-0.052 χ^2/NDF:3793665.1/34

All: 320.716+/-0.038 χ^2/NDF: 6670447.3/64

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 109.966+/-19.850 χ^2/NDF:21.5/15

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 100.396+/-21.056 χ^2/NDF:24.9/13

Left: 105.463+/-14.444 χ^2/NDF: 46.5/29

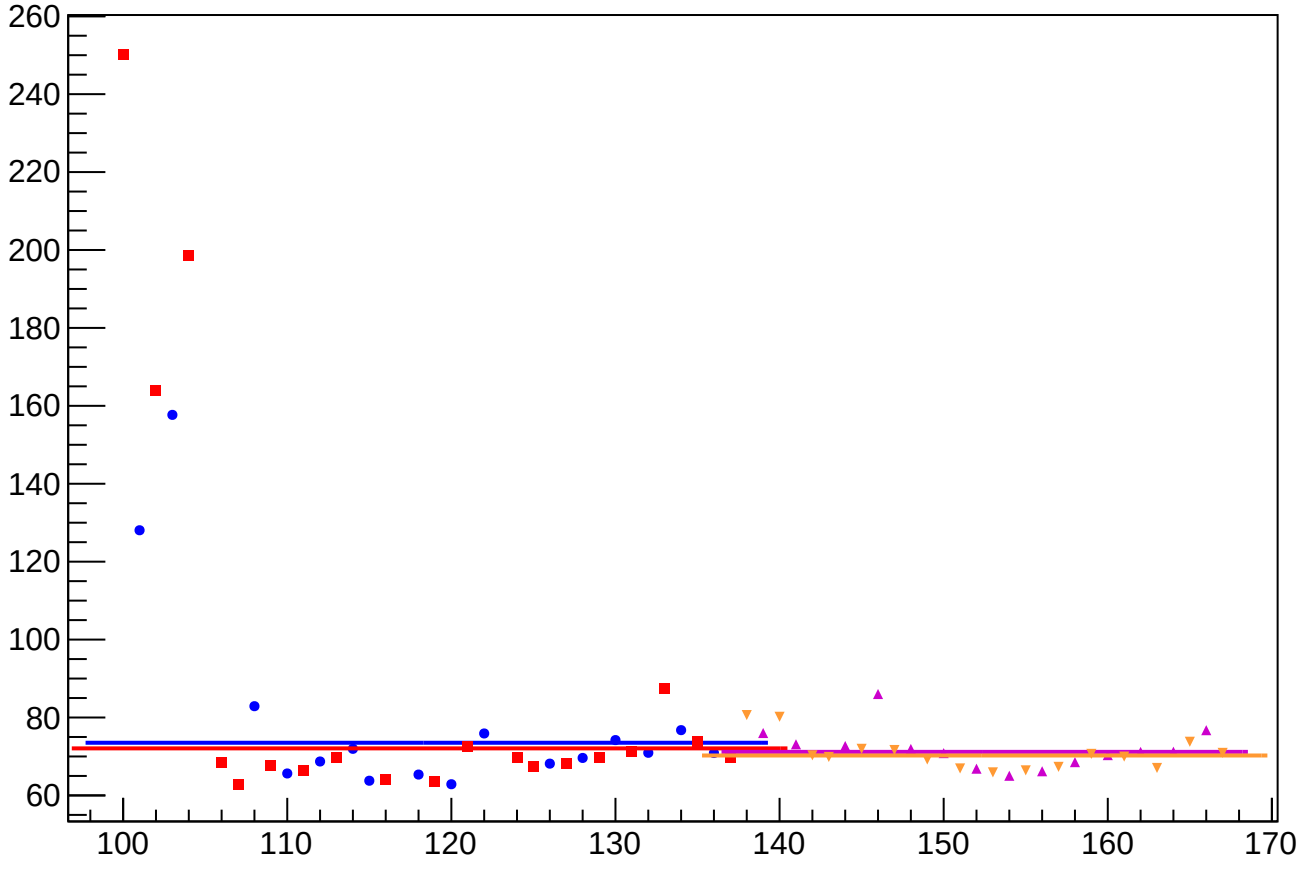
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 43.574+/-16.847 χ^2/NDF:50.0/29

Out: 60.397+/-16.075 χ^2/NDF:76.7/34

All: 52.380+/-11.630 χ^2/NDF: 127.3/64

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.249+/-0.014 χ^2/NDF:79791.8/15

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 71.179+/-0.015 χ^2/NDF:103243.6/13

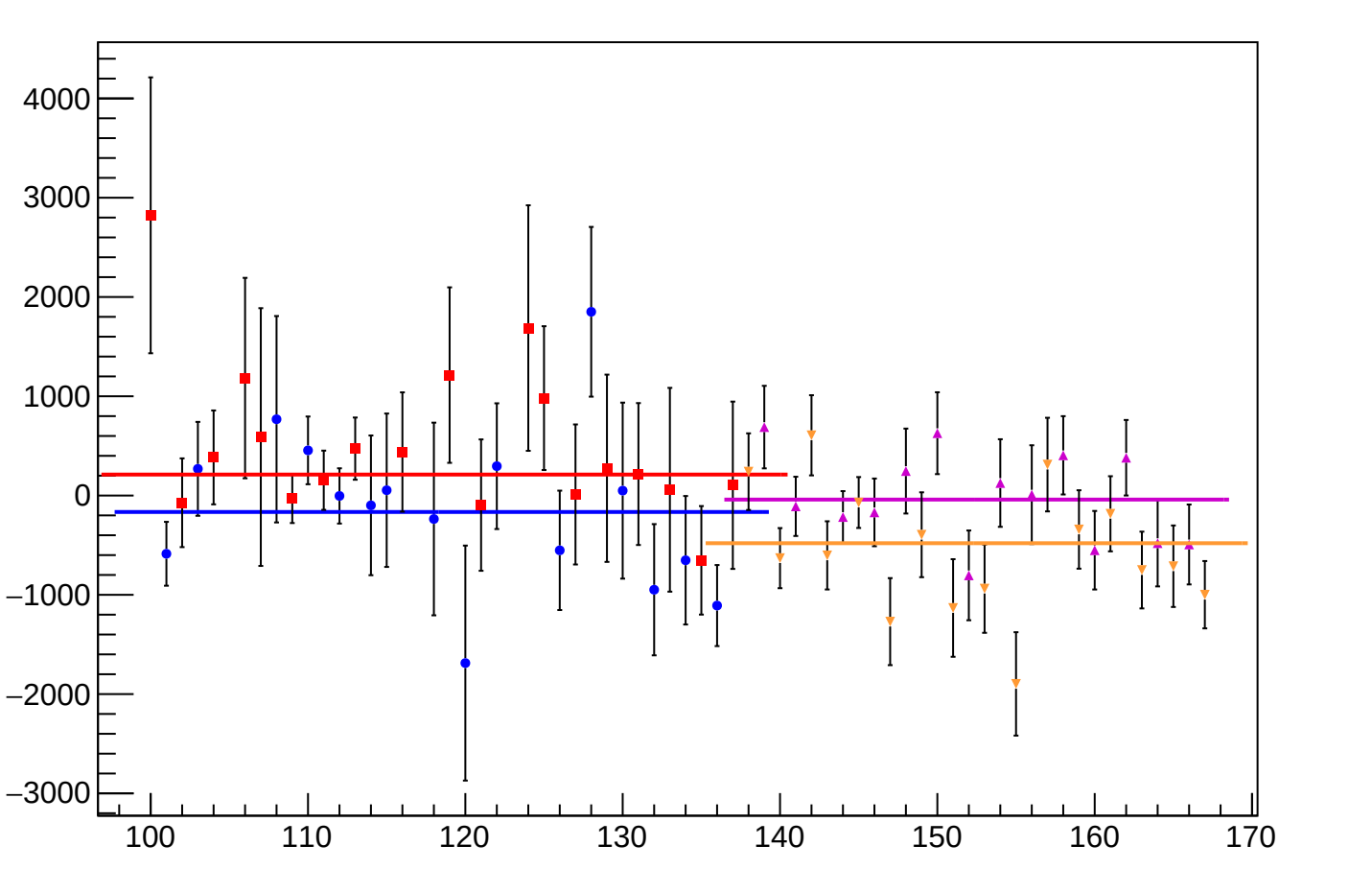
Left: 70.687+/-0.010 χ^2/NDF: 185101.7/29

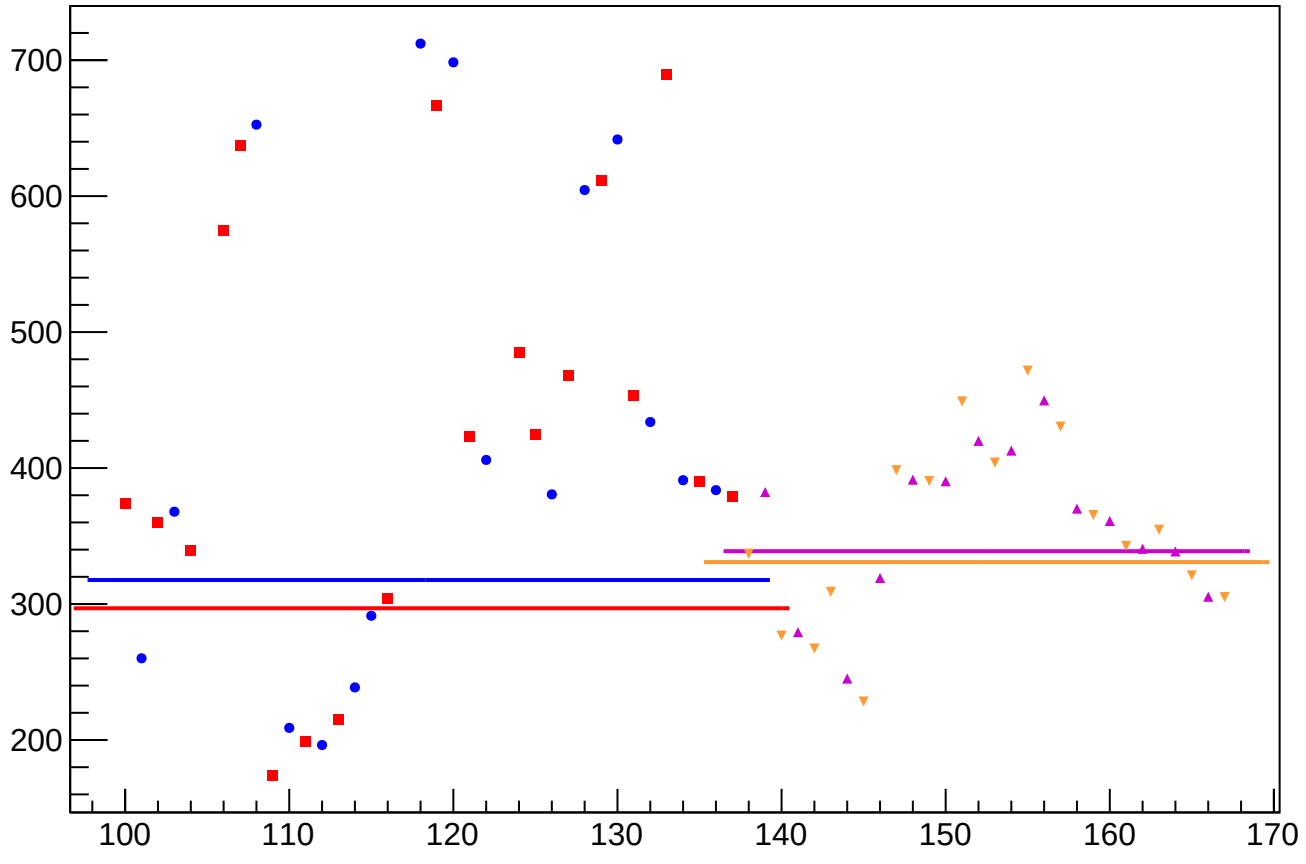
Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 72.021+/-0.012 χ^2/NDF:768975.3/29

Out: 70.877+/-0.011 χ^2/NDF:1044103.8/34

All: 71.422+/-0.008 χ^2/NDF: 1817904.6/64


asym_sam7_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -165.500+/-128.438 χ²/NDF: 22.6/15
Left Out: -480.103+/-95.256 χ²/NDF:33.9/15
Right Out: 211.347+/-120.122 χ²/NDF: 13.6/18
Left In: -40.654+/-101.565 χ²/NDF:16.3/13
Left: -274.451+/-69.480 χ²/NDF: 60.1/29
Right: 35.518+/-87.732 χ²/NDF: 40.8/34
In: -88.687+/-79.666 χ²/NDF:39.5/29
Out: -213.156+/-74.637 χ²/NDF:67.8/34
All: -154.975+/-54.468 χ²/NDF: 108.6/64



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 330.849+/-0.067 χ^2/NDF:971391.5/15

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 338.850+/-0.072 χ^2/NDF:680666.5/13

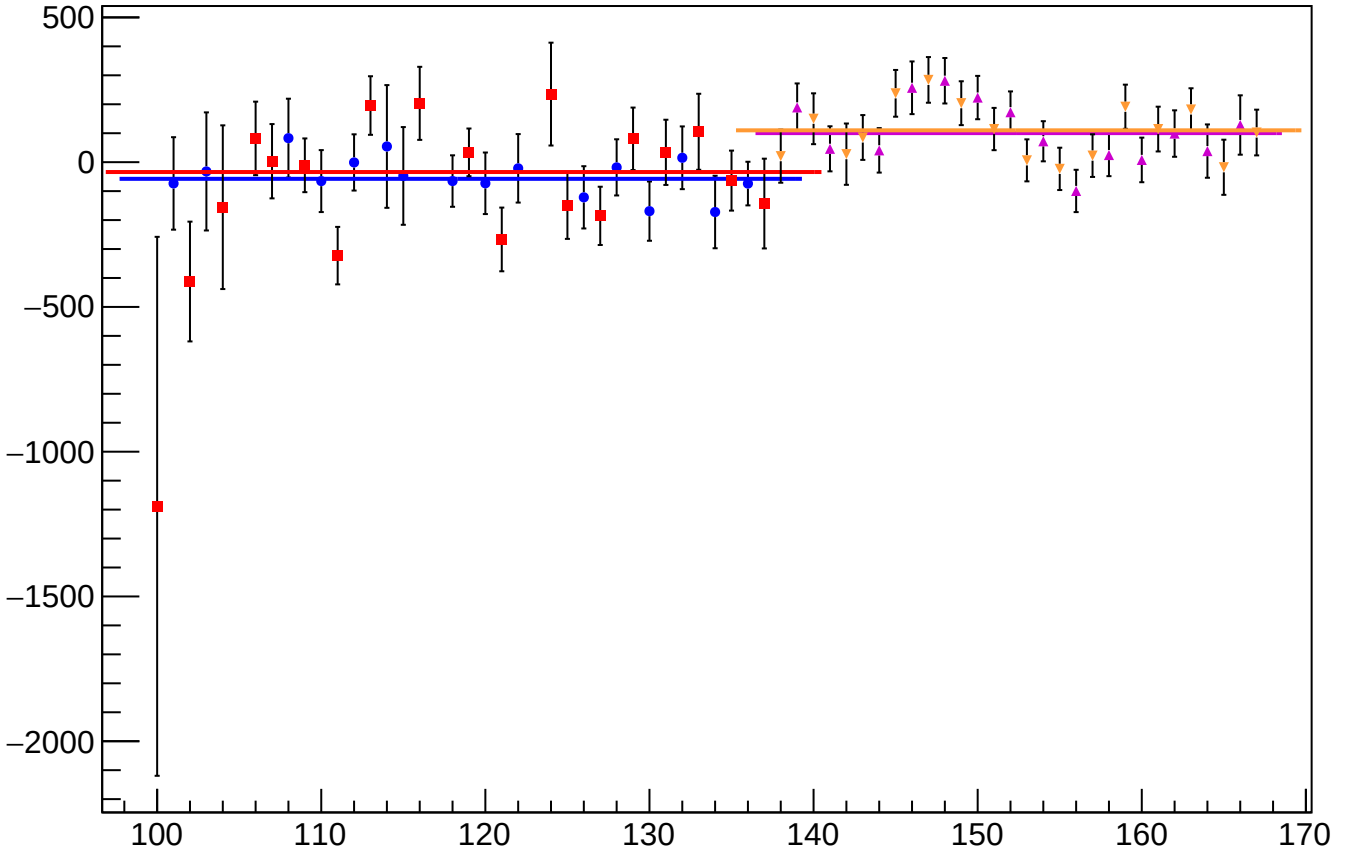
Left: 334.593+/-0.049 χ^2/NDF: 1658660.9/29

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 330.699+/-0.056 χ^2/NDF:2850339.5/29

Out: 317.738+/-0.053 χ^2/NDF:3610575.0/34

All: 323.796+/-0.039 χ^2/NDF: 6489106.4/64



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 109.966+/-19.850 χ^2/NDF:21.5/15

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 100.395+/-21.056 χ^2/NDF:24.9/13

Left: 105.463+/-14.444 χ^2/NDF: 46.5/29

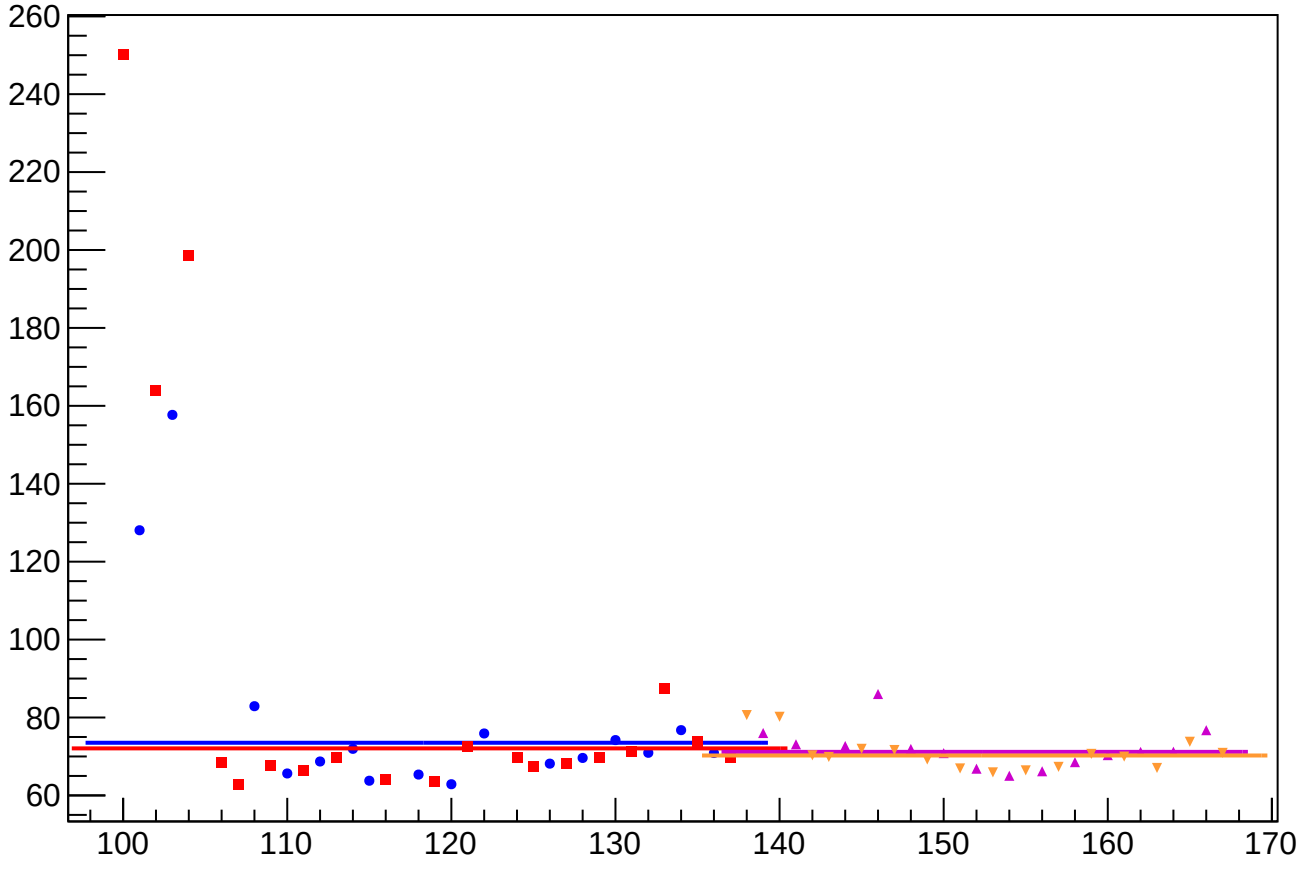
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 43.574+/-16.847 χ^2/NDF:50.0/29

Out: 60.397+/-16.075 χ^2/NDF:76.7/34

All: 52.380+/-11.630 χ^2/NDF: 127.3/64

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.249+/-0.014 χ^2/NDF:79791.1/15

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 71.179+/-0.015 χ^2/NDF:103244.1/13

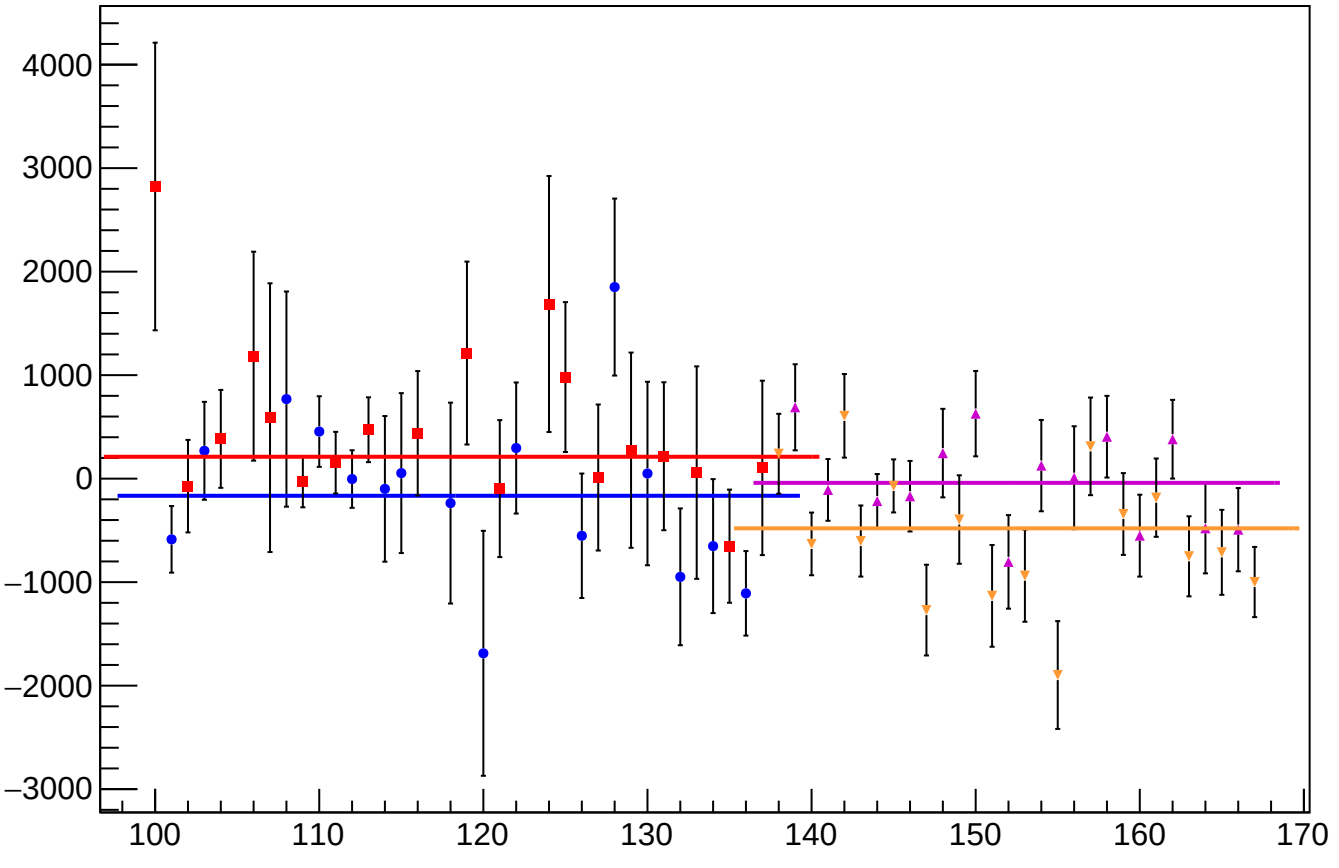
Left: 70.687+/-0.010 χ^2/NDF: 185101.5/29

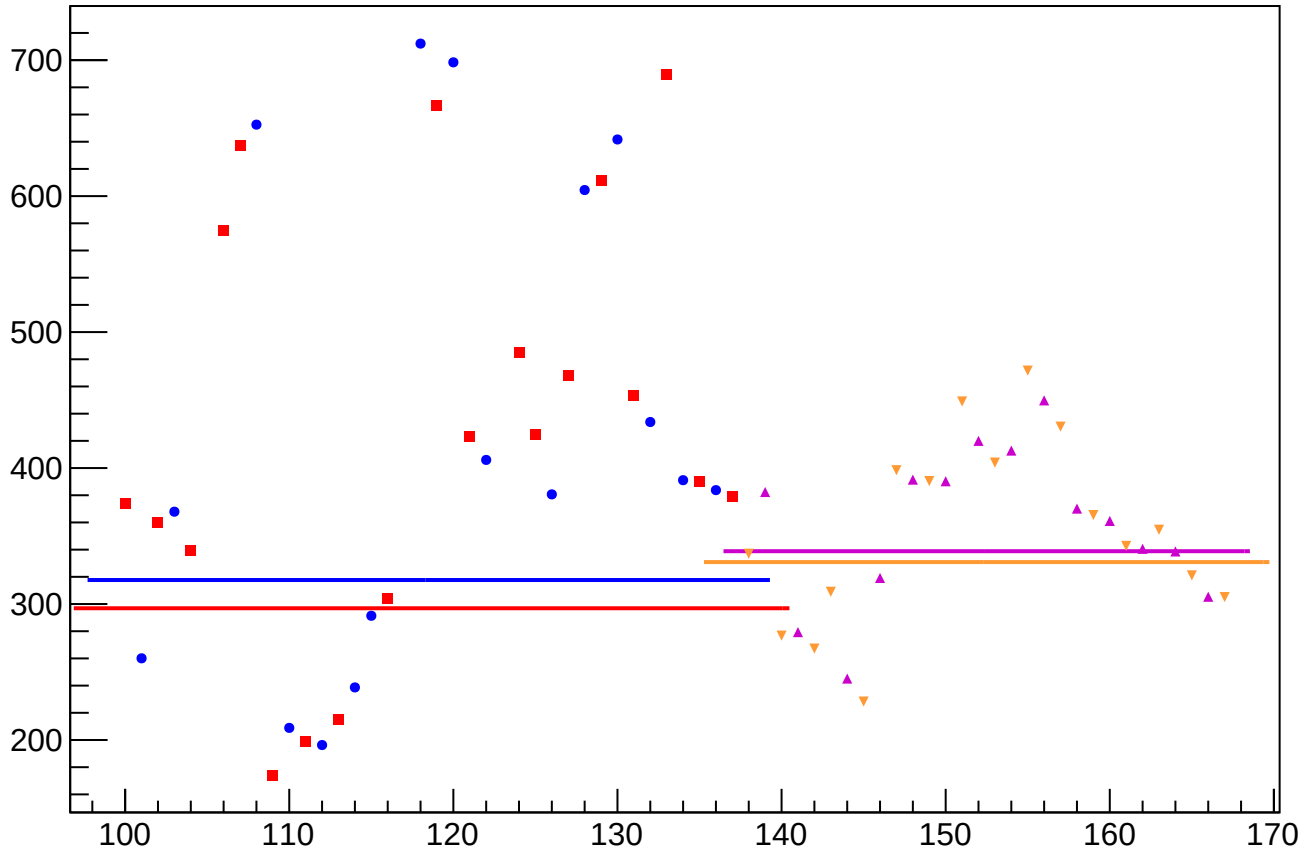
Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 72.021+/-0.012 χ^2/NDF:768976.5/29

Out: 70.877+/-0.011 χ^2/NDF:1044103.8/34

All: 71.422+/-0.008 χ^2/NDF: 1817905.6/64


asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -165.498+/-128.437 χ²/NDF: 22.6/15
Left Out: -480.103+/-95.256 χ²/NDF:33.9/15
Right Out: 211.347+/-120.121 χ²/NDF: 13.6/18
Left In: -40.655+/-101.565 χ²/NDF:16.3/13
Left: -274.451+/-69.480 χ²/NDF: 60.1/29
Right: 35.517+/-87.731 χ²/NDF: 40.8/34
In: -88.687+/-79.666 χ²/NDF:39.5/29
Out: -213.155+/-74.637 χ²/NDF:67.8/34
All: -154.974+/-54.467 χ²/NDF: 108.6/64



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 330.848+/-0.067 χ^2/NDF:971401.4/15

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 338.849+/-0.072 χ^2/NDF:680672.0/13

Left: 334.593+/-0.049 χ^2/NDF: 1658676.6/29

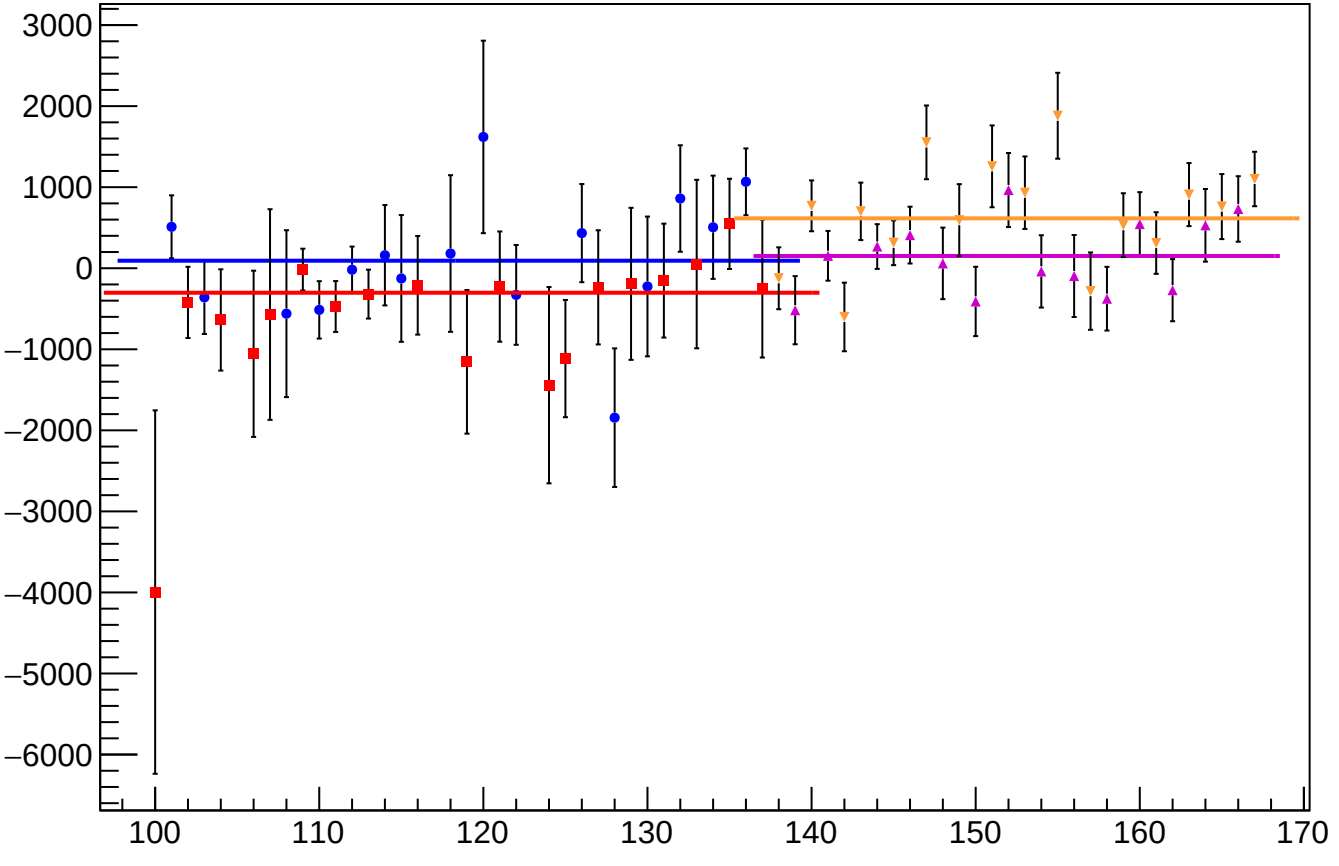
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 330.697+/-0.056 χ^2/NDF:2850384.1/29

Out: 317.737+/-0.053 χ^2/NDF:3610603.3/34

All: 323.795+/-0.039 χ^2/NDF: 6489178.3/64

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 615.489+/-97.344 χ^2/NDF:32.6/15

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 151.306+/-103.843 χ^2/NDF:15.4/13

Left: 398.377+/-71.019 χ^2/NDF: 58.6/29

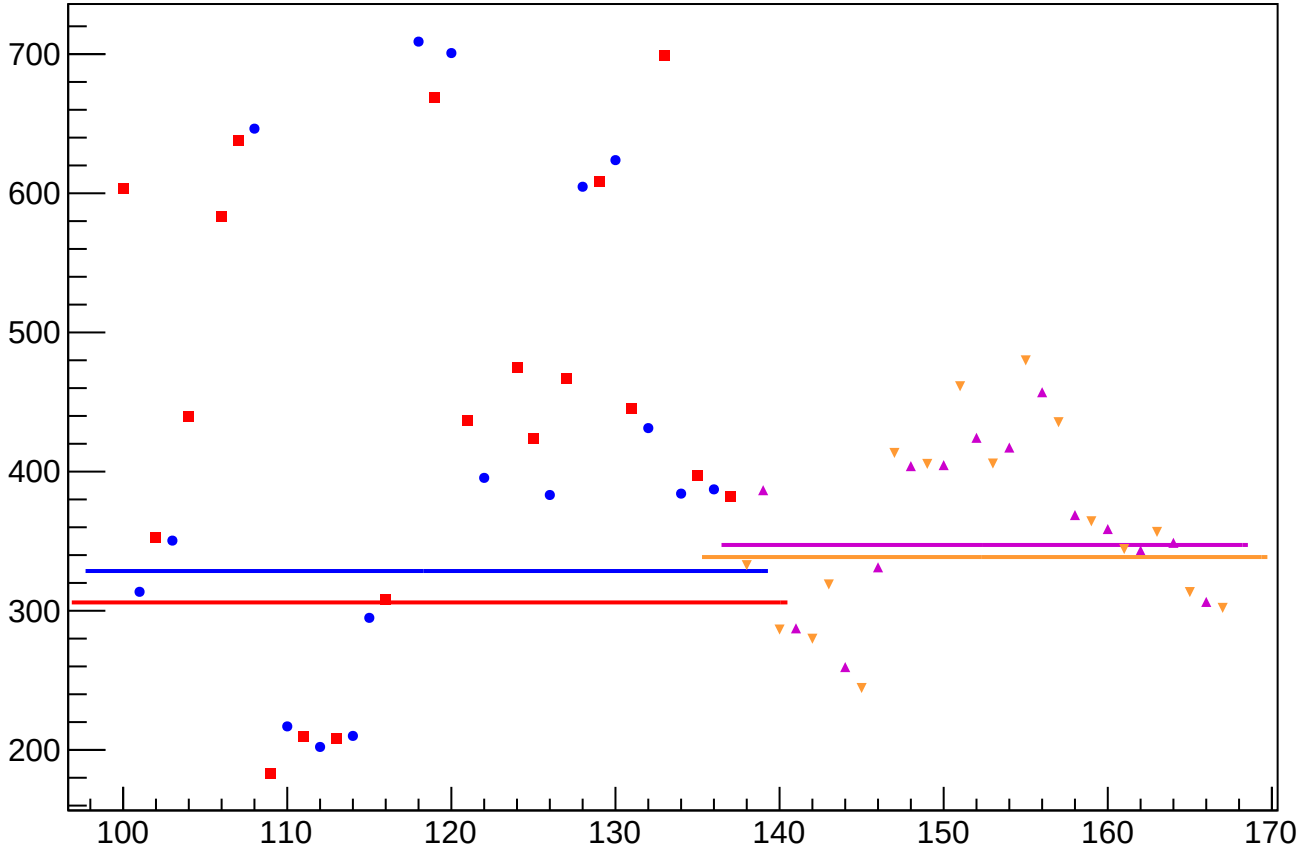
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 128.926+/-81.598 χ^2/NDF:36.3/29

Out: 265.261+/-76.549 χ^2/NDF:77.3/34

All: 201.442+/-55.828 χ^2/NDF: 115.2/64

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 338.604+/-0.069 χ^2/NDF:865346.9/15

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 347.290+/-0.073 χ^2/NDF:597974.9/13

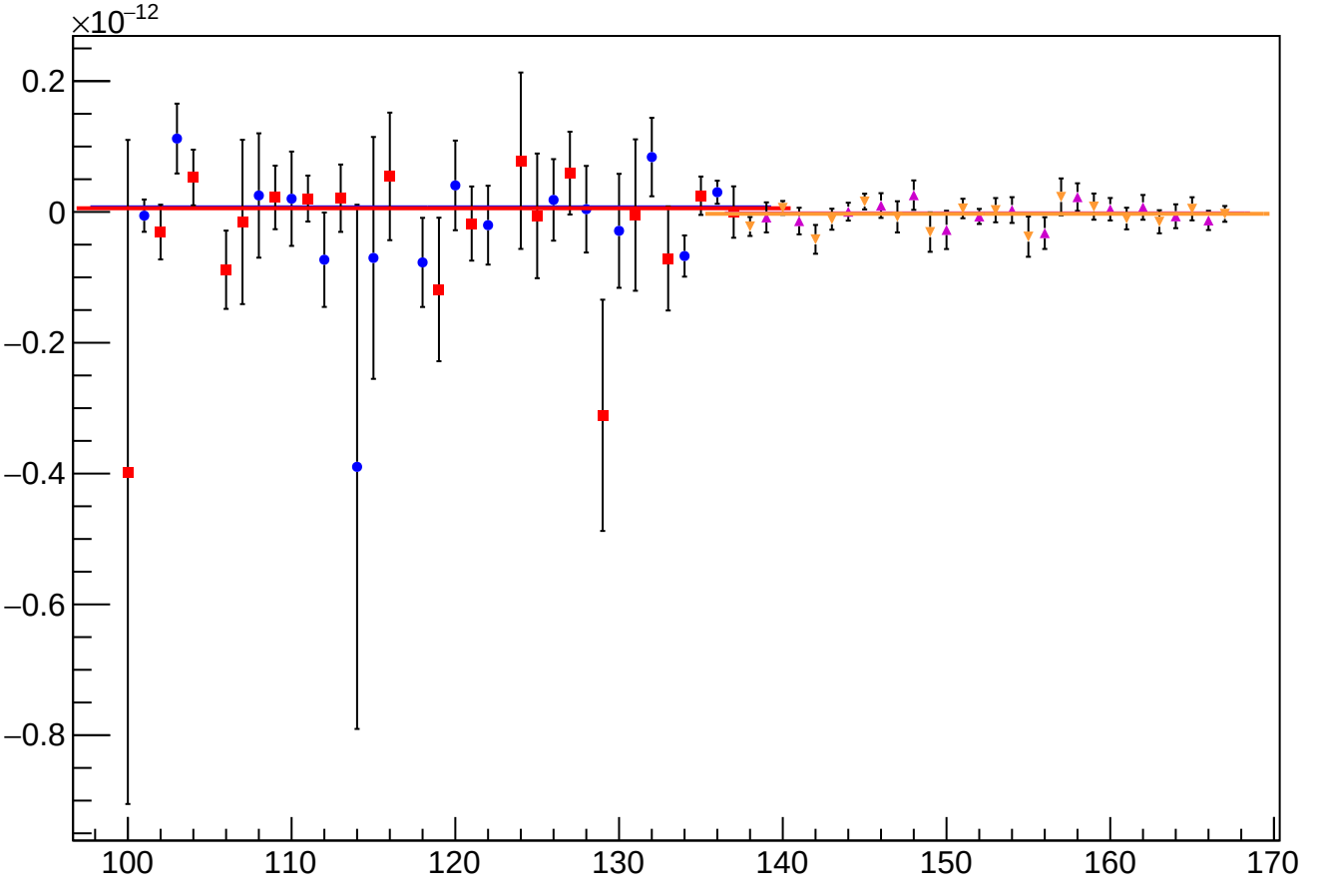
Left: 342.667+/-0.050 χ^2/NDF: 1470770.0/29

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 340.128+/-0.058 χ^2/NDF:2581722.6/29

Out: 326.158+/-0.054 χ^2/NDF:3478494.1/34

All: 332.697+/-0.039 χ^2/NDF: 6091397.4/64



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/13

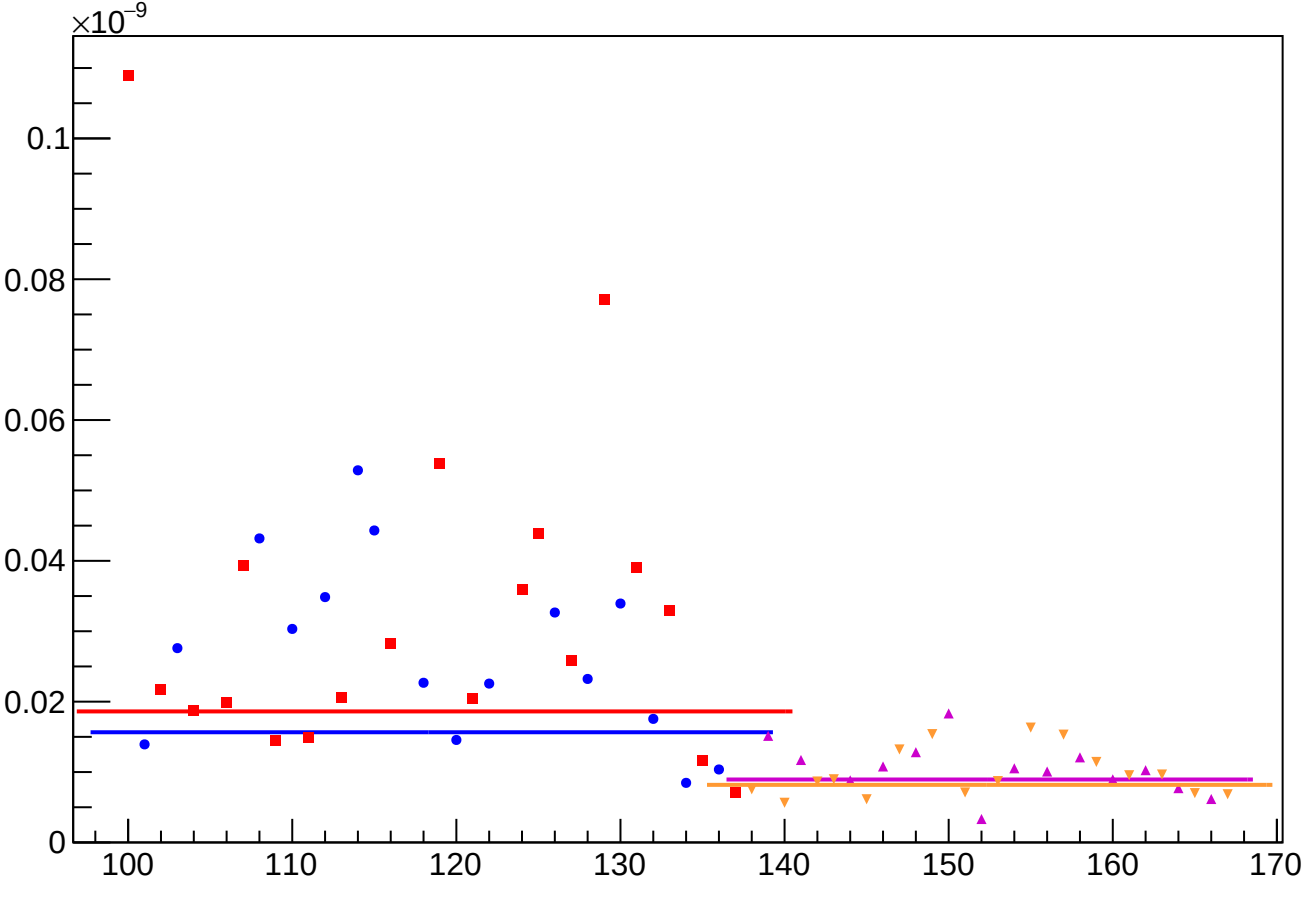
Left: -0.000+/-0.000 χ^2/NDF: 20.2/29

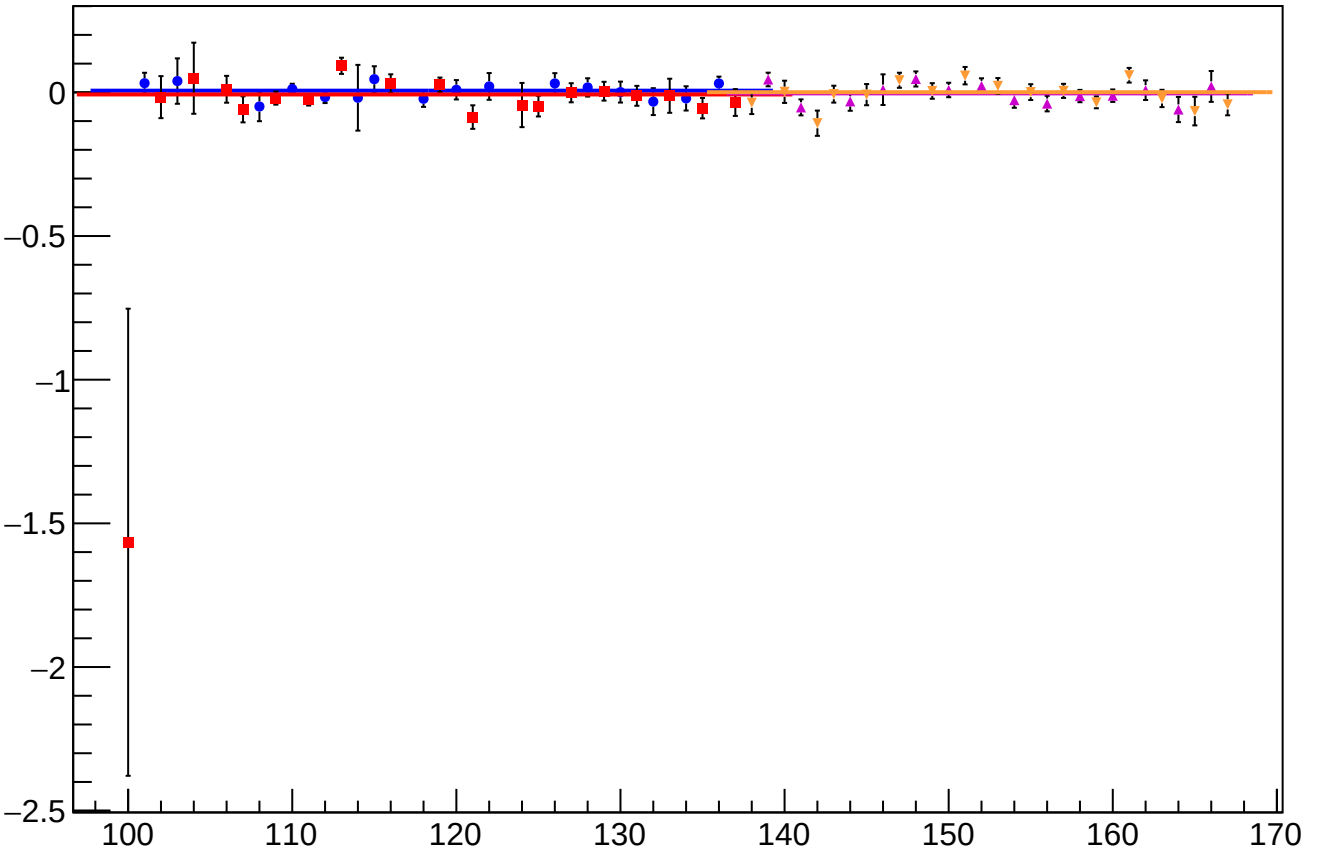
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:25.6/29

Out: -0.000+/-0.000 χ^2/NDF:26.1/34

All: -0.000+/-0.000 χ^2/NDF: 51.7/64


asym_sam7_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1164380.3/15
Left Out: 0.000+/-0.000 χ²/NDF:779403.8/15
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:1091308.4/13
Left: 0.000+/-0.000 χ²/NDF: 1899525.4/29
Right: 0.000+/-0.000 χ²/NDF: 2454460.5/34
In: 0.000+/-0.000 χ²/NDF:2885953.5/29
Out: 0.000+/-0.000 χ²/NDF:3205009.3/34
All: 0.000+/-0.000 χ²/NDF: 6133625.0/64



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/13

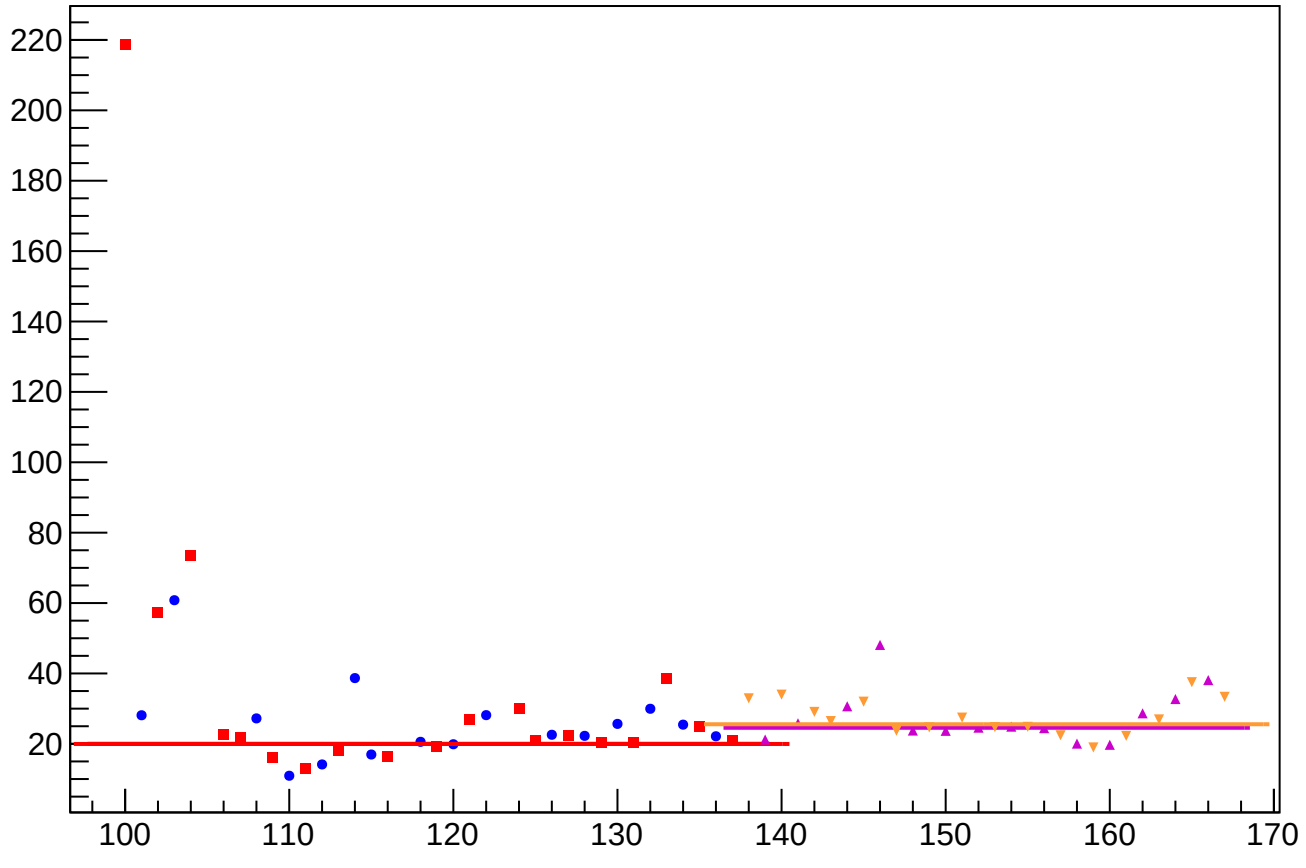
Left: -0.001+/-0.005 χ^2/NDF: 43.3/29

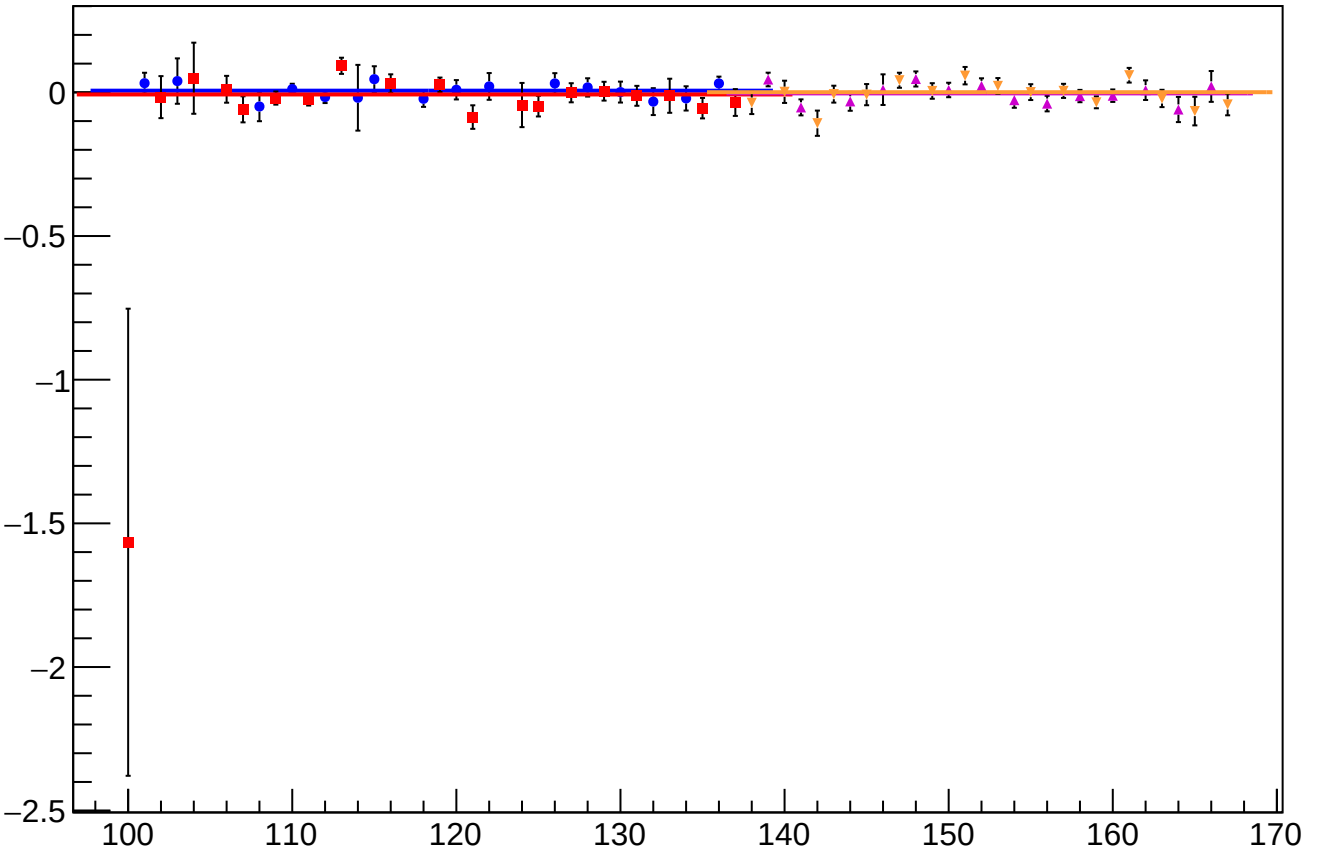
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.1/29

Out: -0.003+/-0.005 χ^2/NDF:56.0/34

All: -0.001+/-0.004 χ^2/NDF: 82.3/64


asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 20.000+/-0.006 χ²/NDF: 1641371.9/15
Left Out: 25.566+/-0.005 χ²/NDF:737214.9/15
Right Out: 19.963+/-0.006 χ²/NDF: 1716895.2/18
Left In: 24.565+/-0.005 χ²/NDF:920191.9/13
Left: 25.072+/-0.004 χ²/NDF: 1675217.4/29
Right: 19.981+/-0.004 χ²/NDF: 3358287.6/34
In: 22.464+/-0.004 χ²/NDF:2898794.9/29
Out: 22.997+/-0.004 χ²/NDF:2973022.2/34
All: 22.734+/-0.003 χ²/NDF: 5881176.7/64



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/13

Left: -0.001+/-0.005 χ^2/NDF: 43.3/29

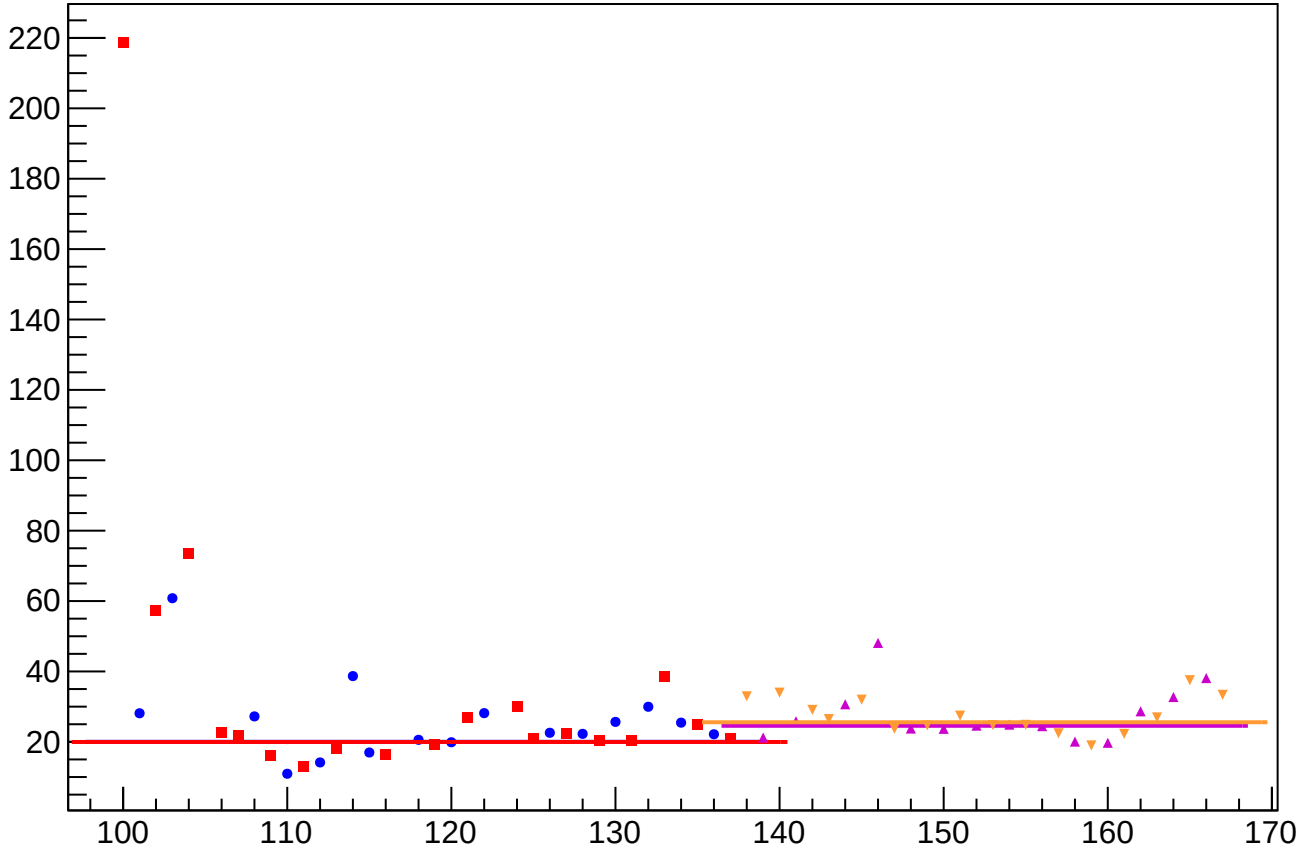
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.1/29

Out: -0.003+/-0.005 χ^2/NDF:56.0/34

All: -0.001+/-0.004 χ^2/NDF: 82.3/64

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.566+/-0.005 χ^2/NDF:737214.9/15

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.565+/-0.005 χ^2/NDF:920191.9/13

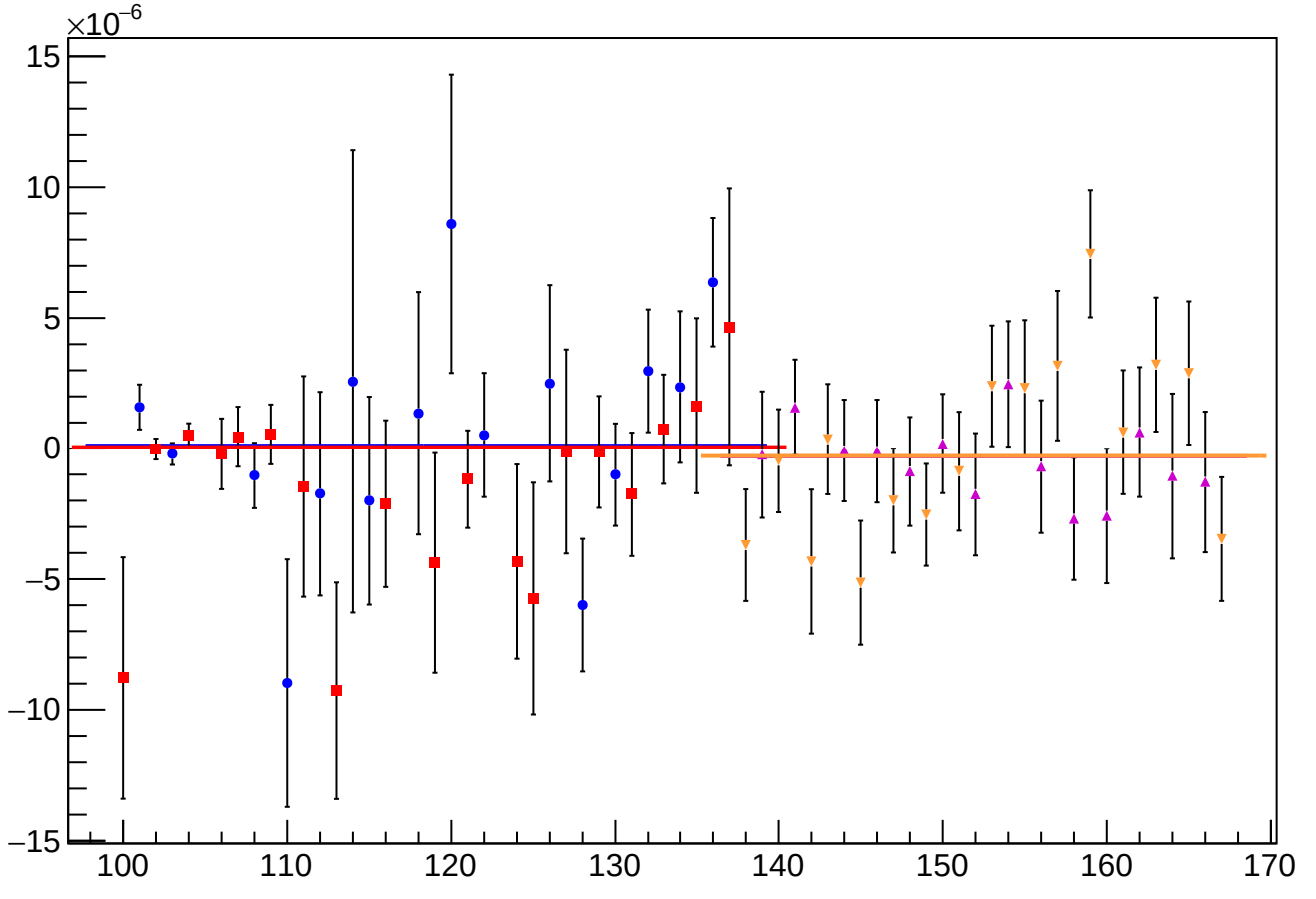
Left: 25.072+/-0.004 χ^2/NDF: 1675217.4/29

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.464+/-0.004 χ^2/NDF:2898794.9/29

Out: 22.997+/-0.004 χ^2/NDF:2973022.2/34

All: 22.734+/-0.003 χ^2/NDF: 5881176.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/13

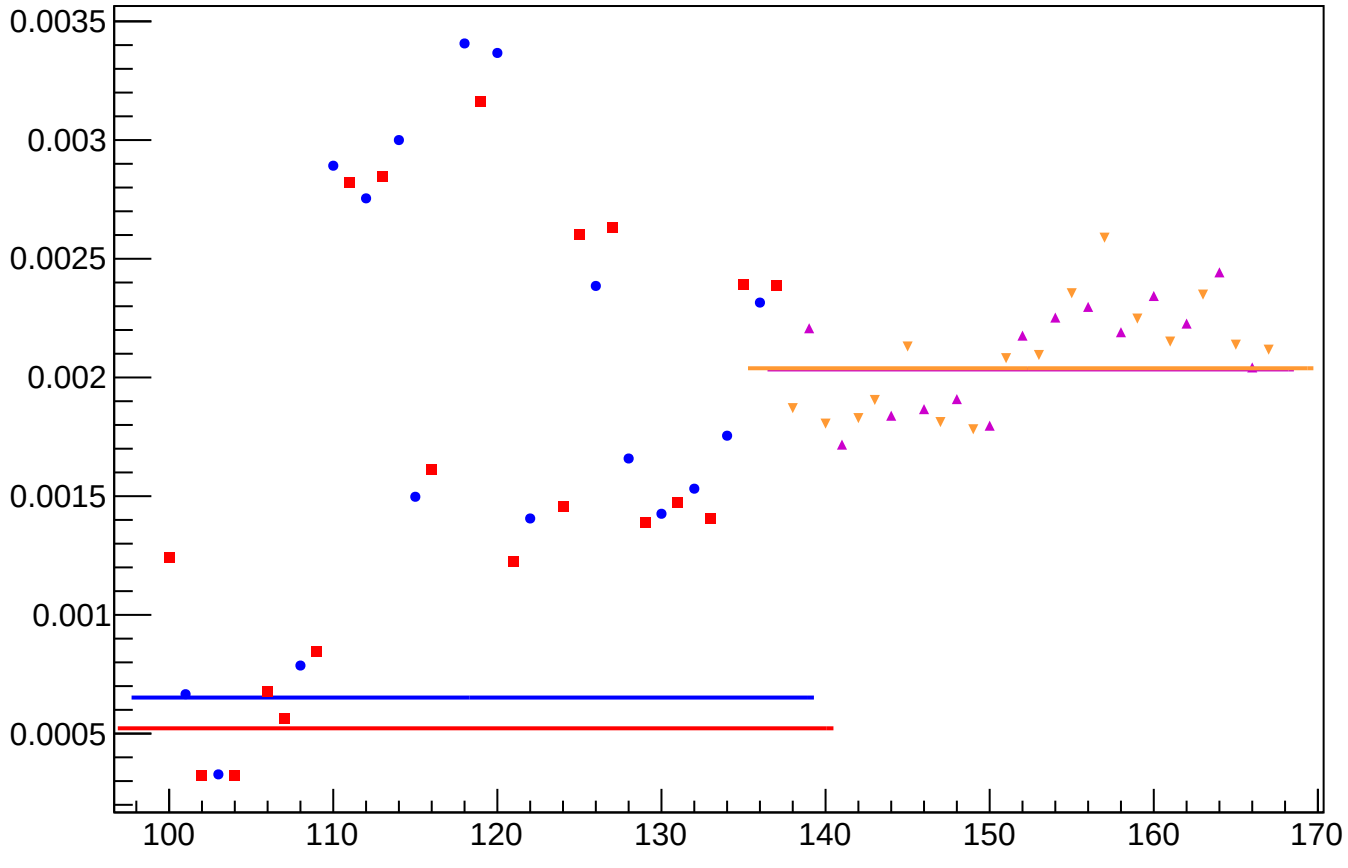
Left: -0.000+/-0.000 χ^2/NDF: 35.4/29

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:31.5/29

Out: -0.000+/-0.000 χ^2/NDF:47.7/34

All: 0.000+/-0.000 χ^2/NDF: 79.2/64



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:282284.1/15

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:271780.8/13

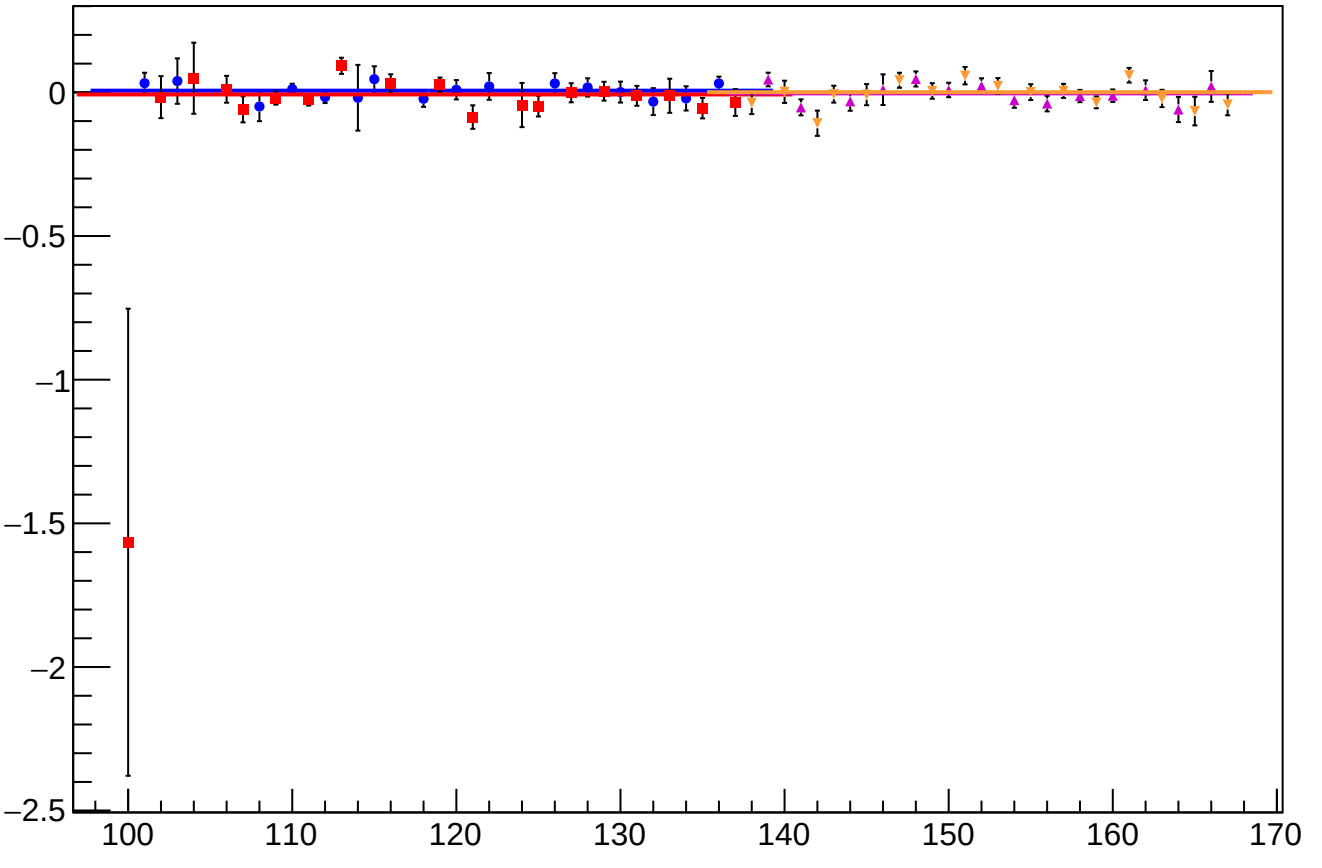
Left: 0.002+/-0.000 χ^2/NDF: 554137.5/29

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:14655631.0/29

Out: 0.001+/-0.000 χ^2/NDF:18379427.7/34

All: 0.001+/-0.000 χ^2/NDF: 33584990.9/64



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/13

Left: -0.001+/-0.005 χ^2/NDF: 43.3/29

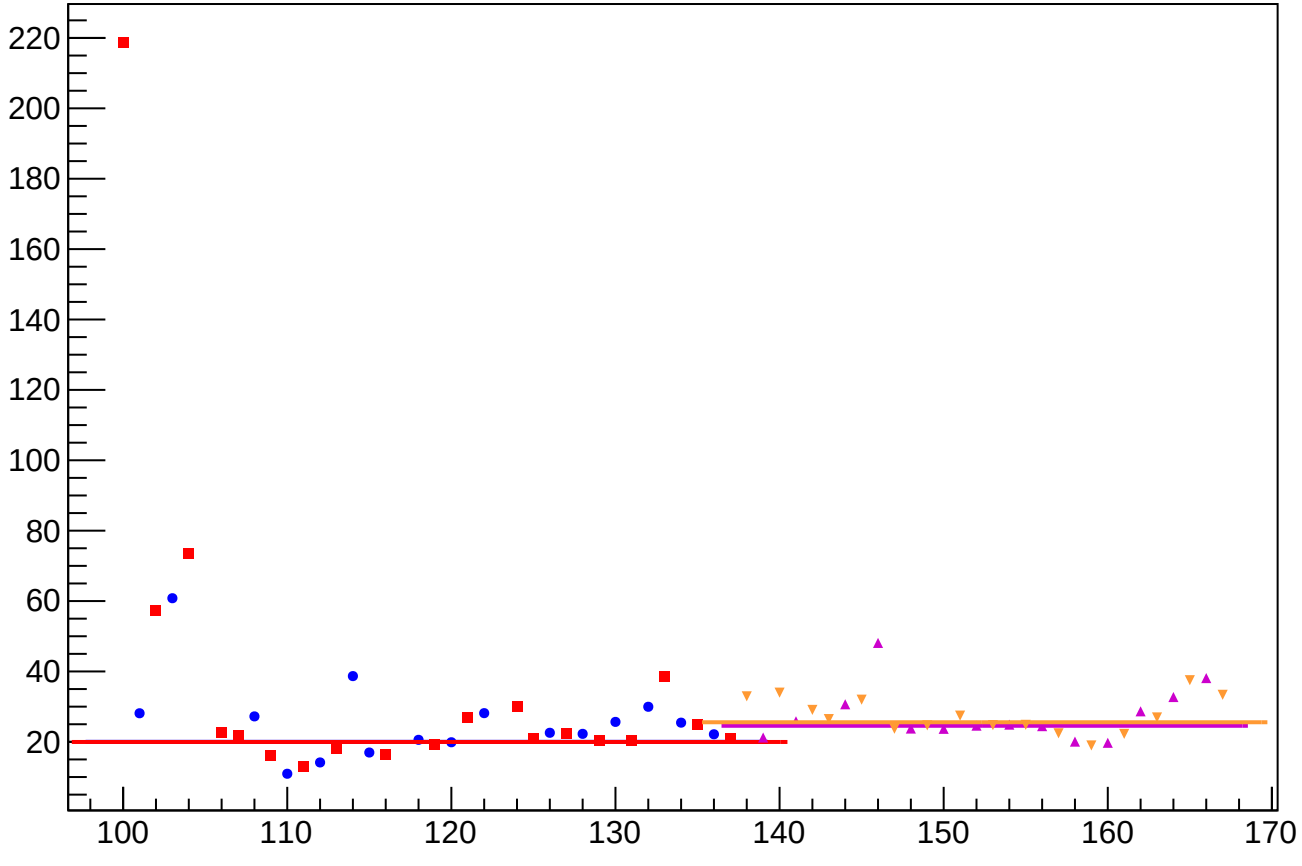
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.1/29

Out: -0.003+/-0.005 χ^2/NDF:56.0/34

All: -0.001+/-0.004 χ^2/NDF: 82.3/64

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.565+/-0.005 χ^2/NDF:737259.0/15

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.565+/-0.005 χ^2/NDF:920232.8/13

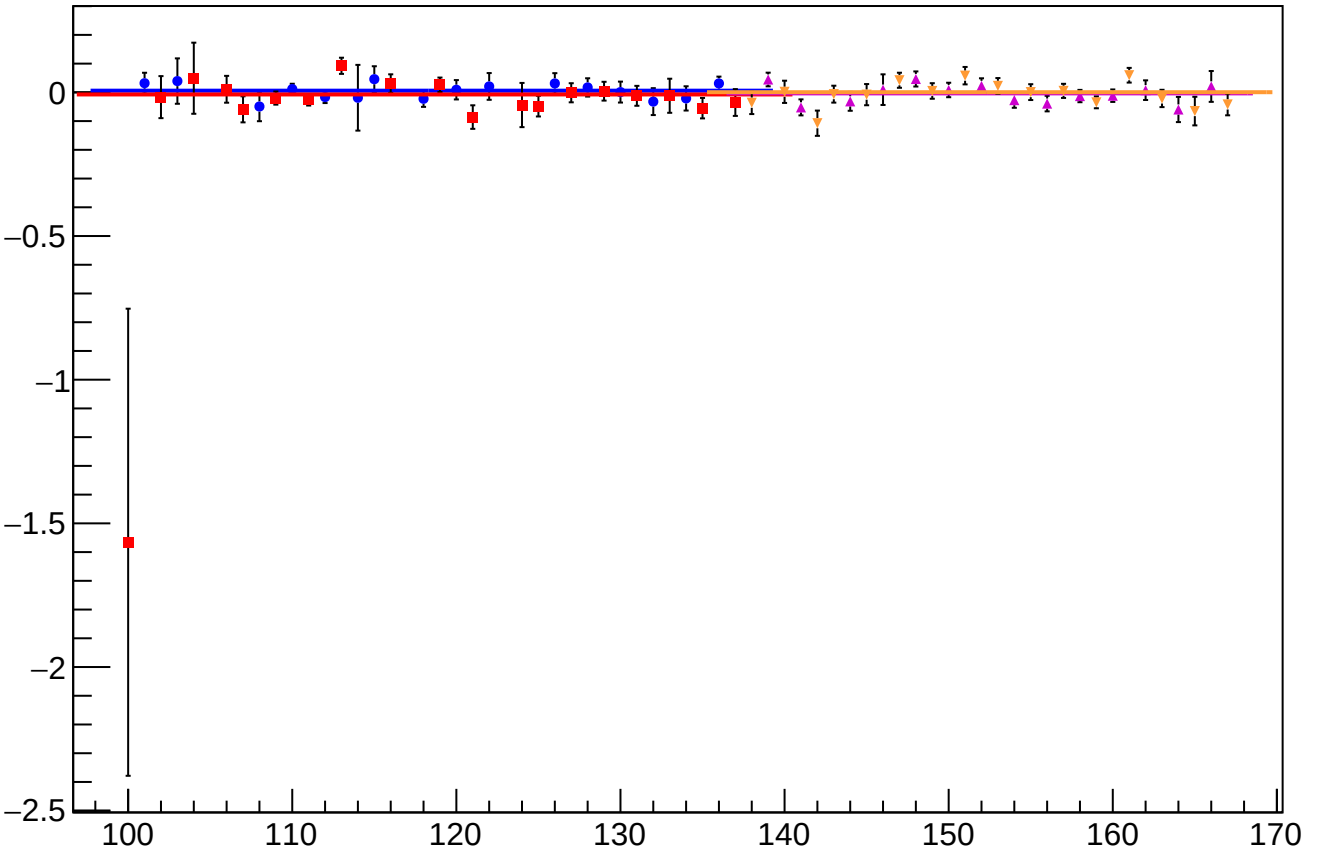
Left: 25.072+/-0.004 χ^2/NDF: 1675304.1/29

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.464+/-0.004 χ^2/NDF:2898573.1/29

Out: 22.997+/-0.004 χ^2/NDF:2972967.8/34

All: 22.734+/-0.003 χ^2/NDF: 5880894.7/64



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/13

Left: -0.001+/-0.005 χ^2/NDF: 43.3/29

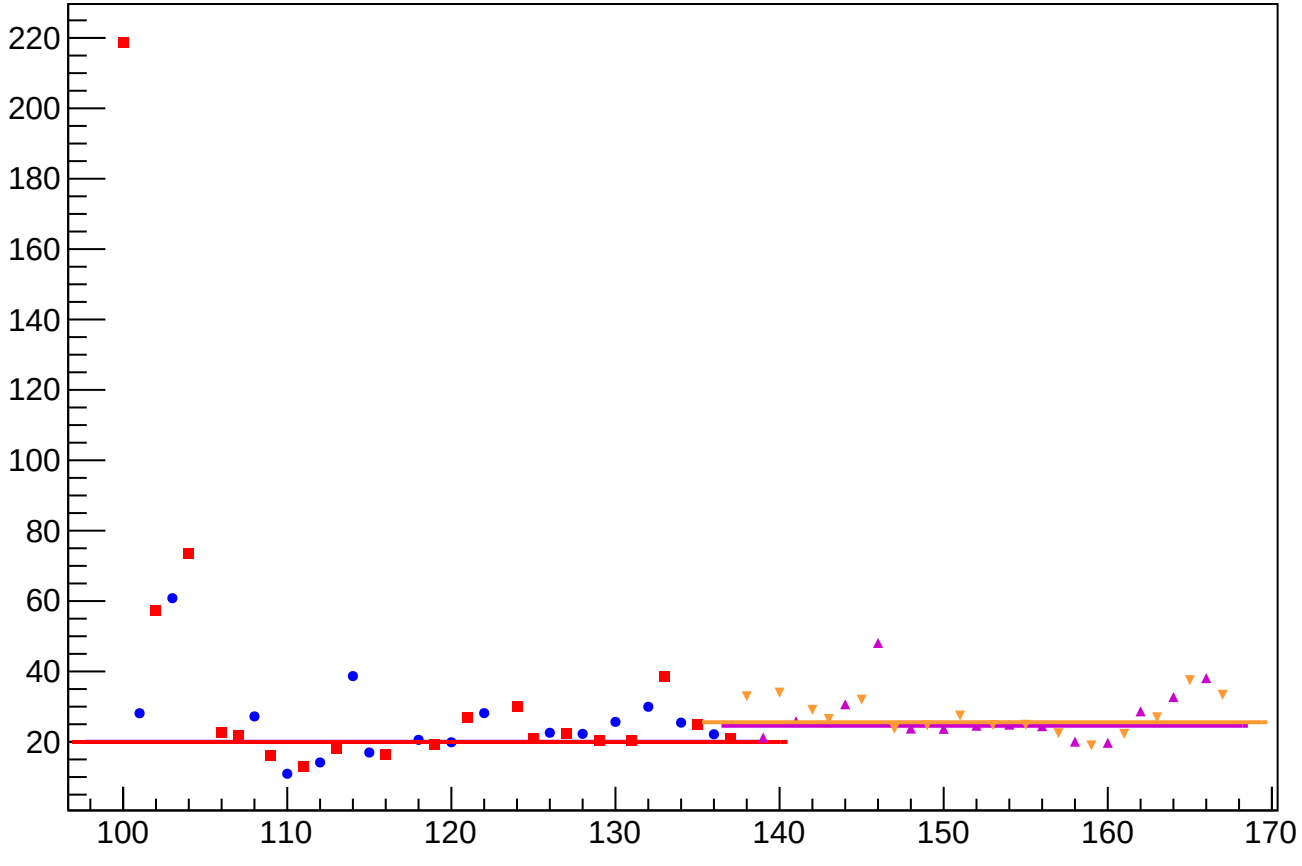
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.1/29

Out: -0.003+/-0.005 χ^2/NDF:56.0/34

All: -0.001+/-0.004 χ^2/NDF: 82.3/64

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.565+/-0.005 χ^2/NDF:737259.0/15

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.565+/-0.005 χ^2/NDF:920232.8/13

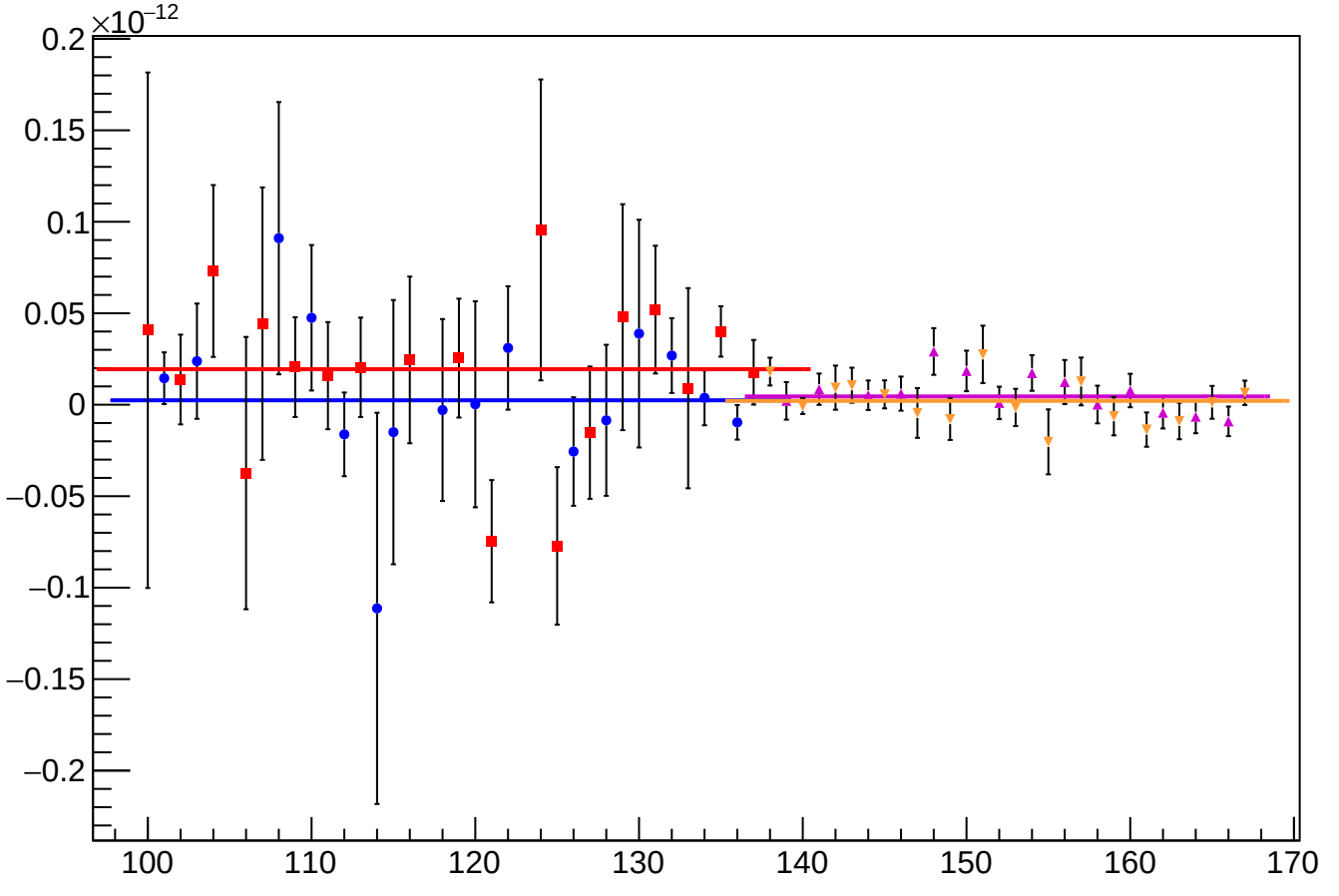
Left: 25.072+/-0.004 χ^2/NDF: 1675304.1/29

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.464+/-0.004 χ^2/NDF:2898573.1/29

Out: 22.997+/-0.004 χ^2/NDF:2972967.8/34

All: 22.734+/-0.003 χ^2/NDF: 5880894.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/13

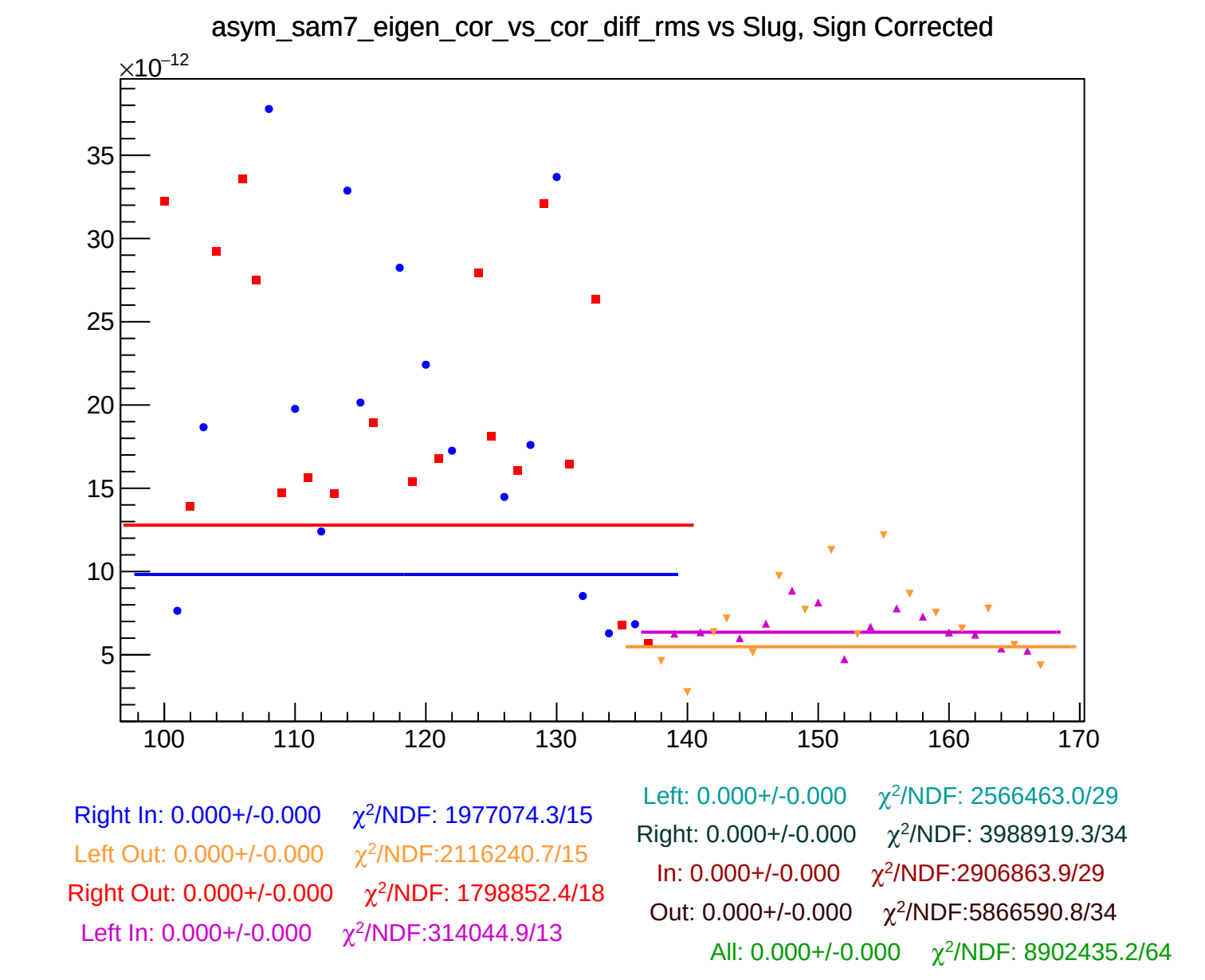
Left: 0.000+/-0.000 χ^2/NDF: 31.5/29

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

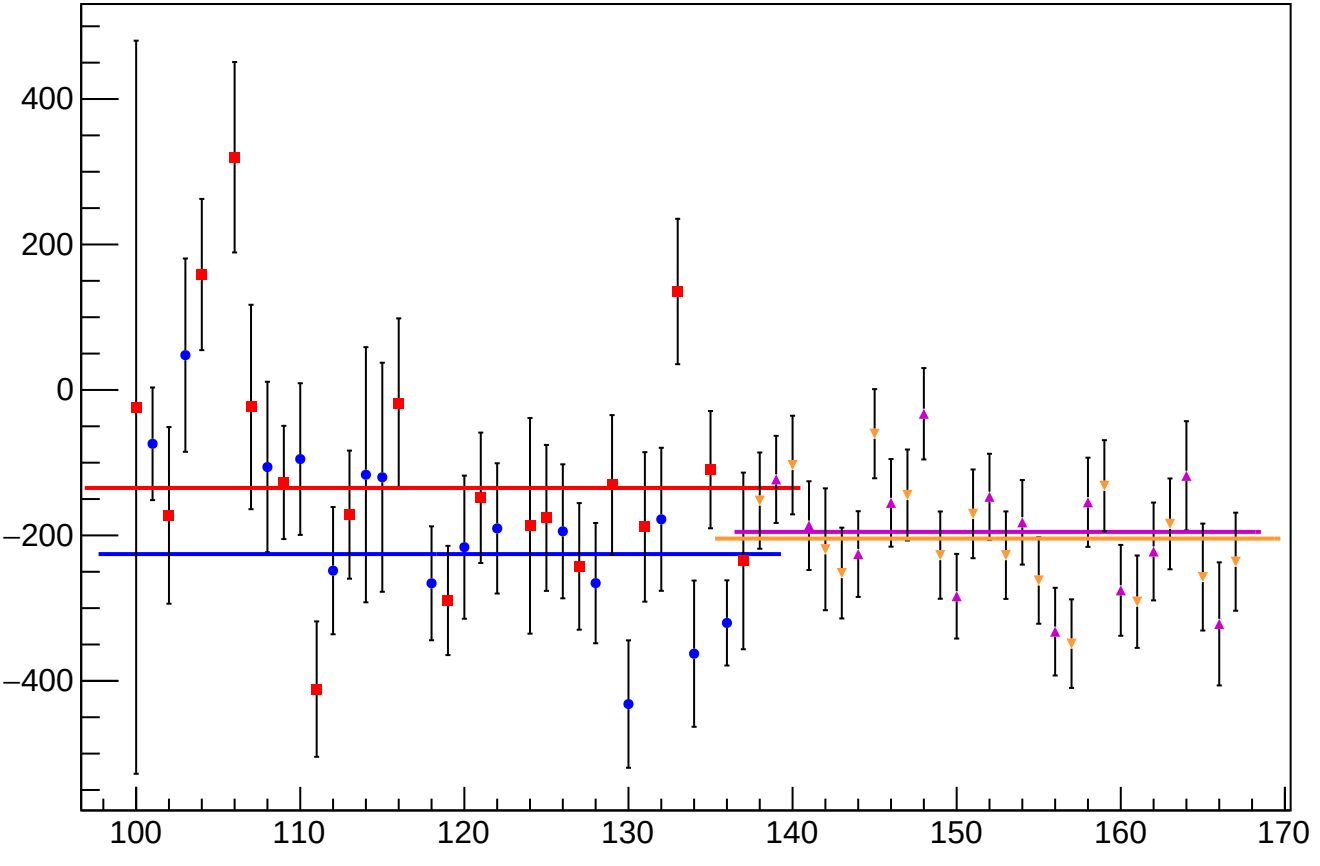
In: 0.000+/-0.000 χ^2/NDF:24.6/29

Out: 0.000+/-0.000 χ^2/NDF:43.1/34

All: 0.000+/-0.000 χ^2/NDF: 67.7/64


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2116240.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:314044.9/13
Left: 0.000+/-0.000 χ²/NDF: 2566463.0/29
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2906863.9/29
Out: 0.000+/-0.000 χ²/NDF:5866590.8/34
All: 0.000+/-0.000 χ²/NDF: 8902435.2/64

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -204.352+/-15.999 χ^2/NDF:21.1/15

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -195.151+/-16.719 χ^2/NDF:22.6/13

Left: -199.954+/-11.559 χ^2/NDF: 43.9/29

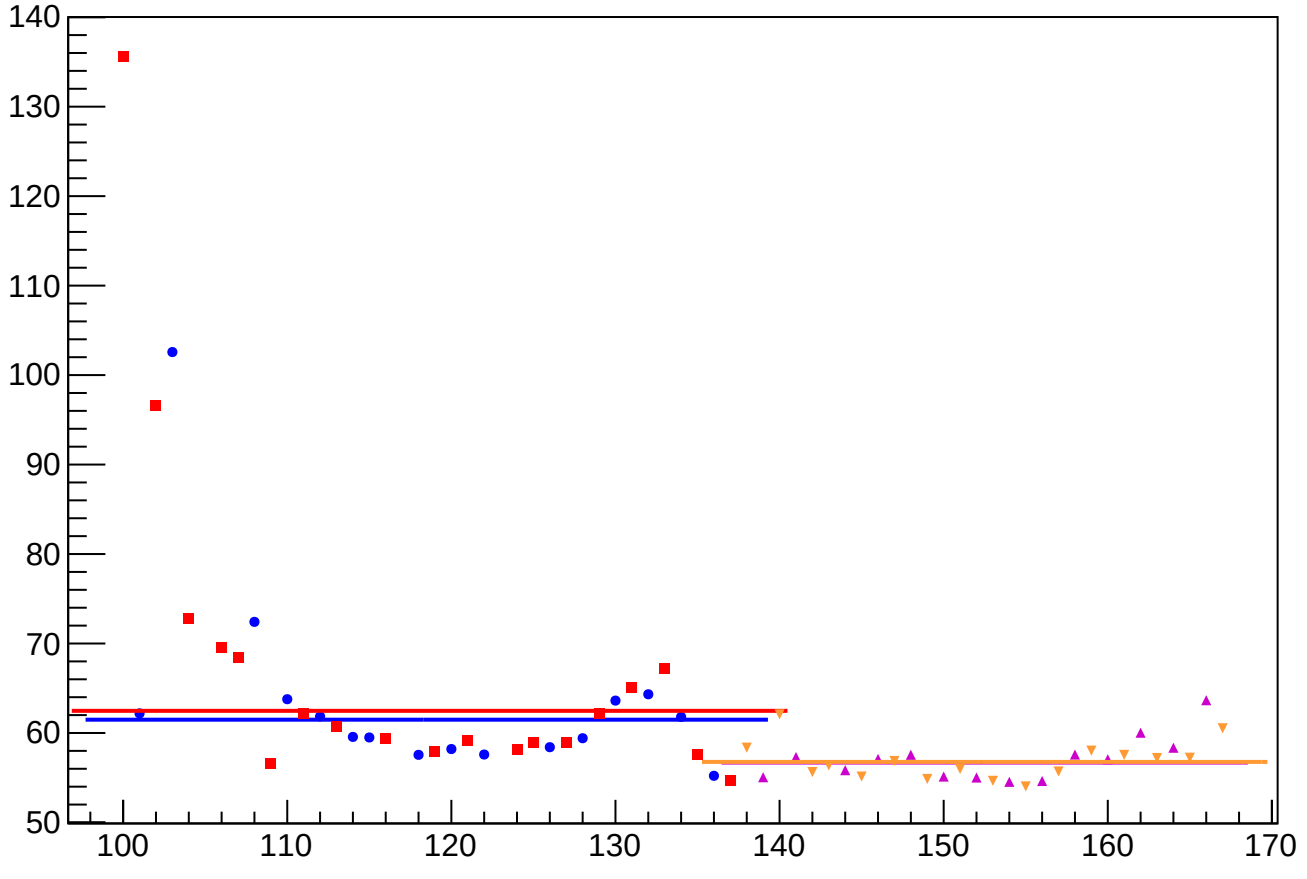
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -205.639+/-13.547 χ^2/NDF:46.4/29

Out: -181.912+/-13.170 χ^2/NDF:72.5/34

All: -193.440+/-9.443 χ^2/NDF: 120.4/64

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.767+/-0.011 χ^2/NDF:32529.9/15

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.692+/-0.012 χ^2/NDF:30666.2/13

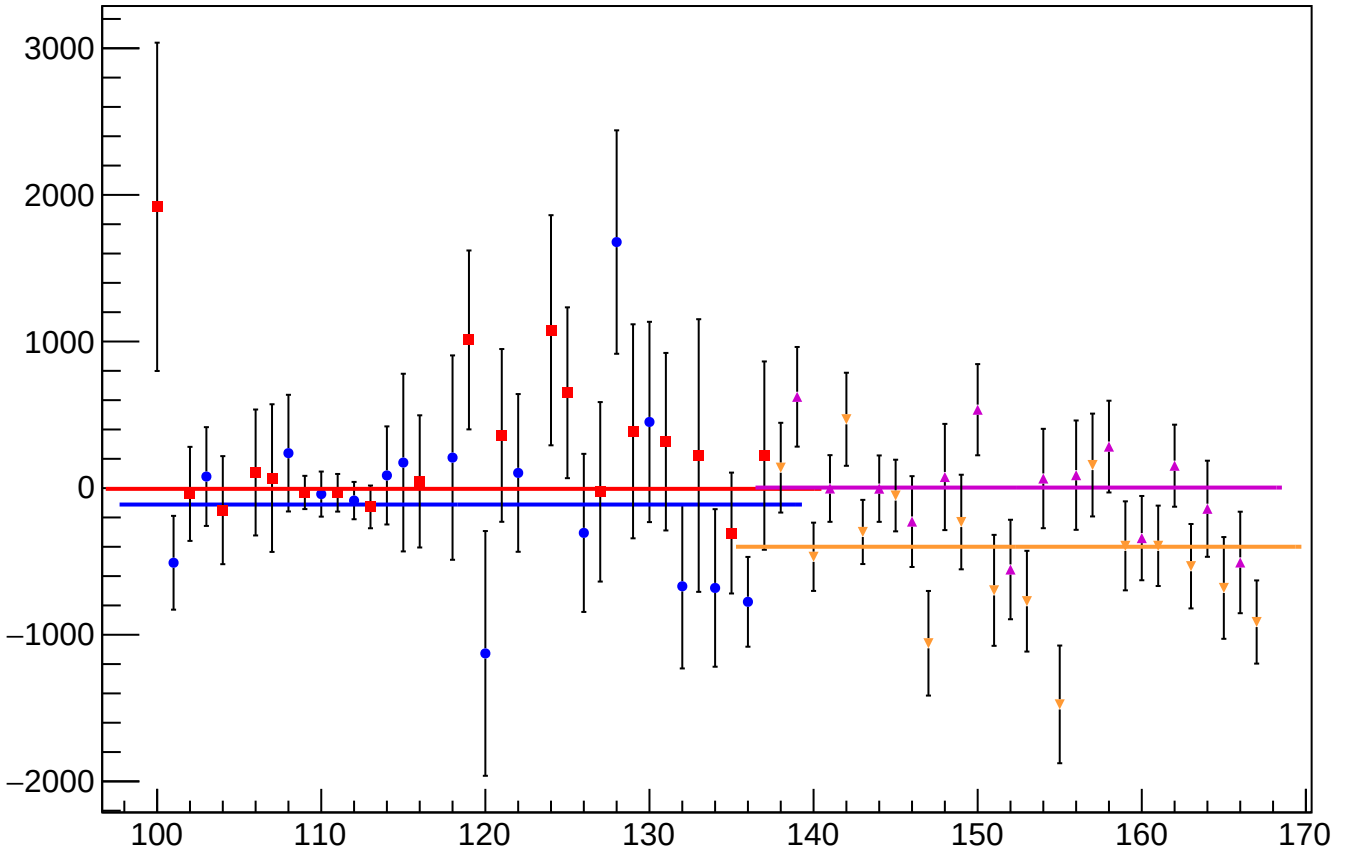
Left: 56.731+/-0.008 χ^2/NDF: 63217.4/29

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.338+/-0.010 χ^2/NDF:337805.6/29

Out: 58.608+/-0.009 χ^2/NDF:395777.7/34

All: 58.477+/-0.007 χ^2/NDF: 733991.6/64



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -399.740+/-74.350 χ^2/NDF:32.3/15

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 3.801+/-80.789 χ^2/NDF:14.5/13

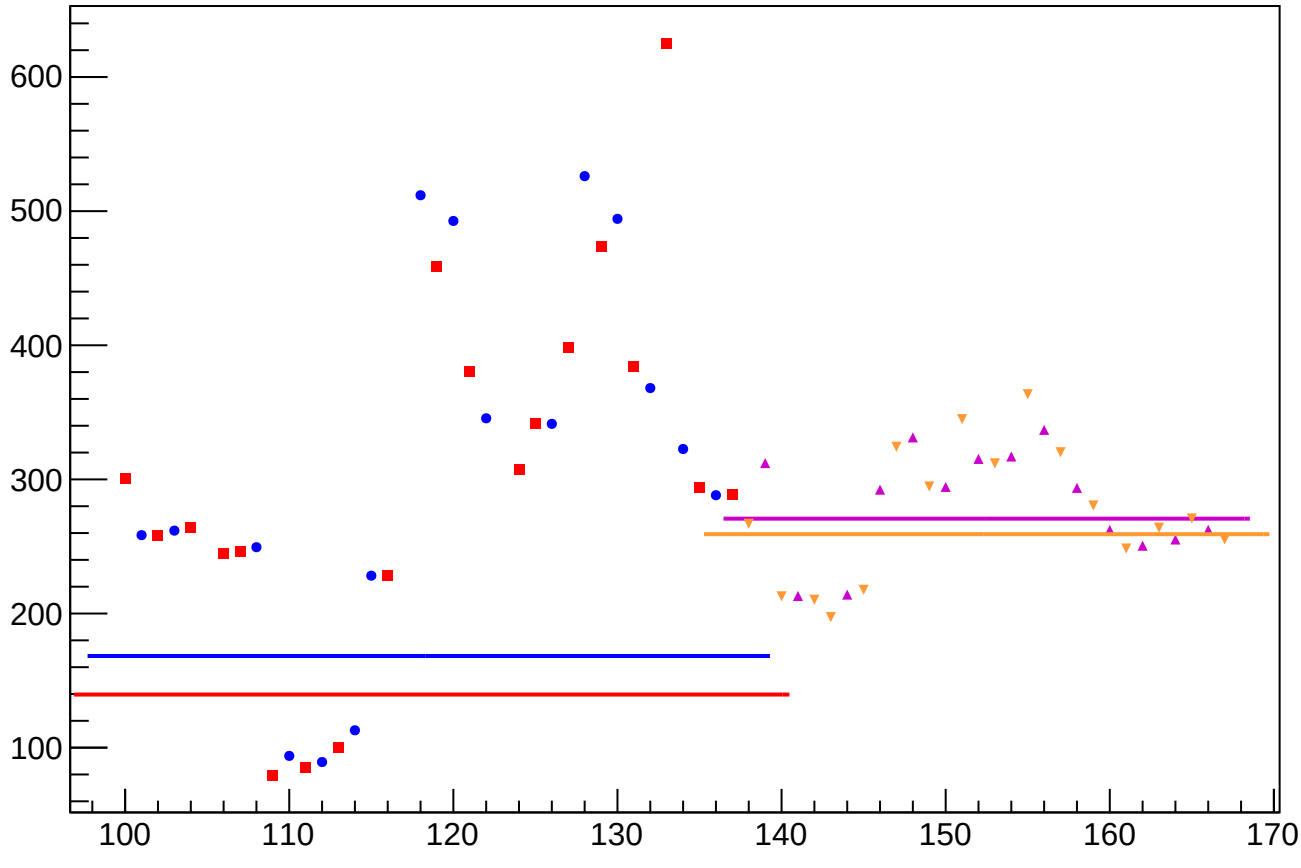
Left: -214.691+/-54.708 χ^2/NDF: 60.3/29

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -57.411+/-55.438 χ^2/NDF:34.1/29

Out: -172.739+/-48.475 χ^2/NDF:60.1/34

All: -122.768+/-36.492 χ^2/NDF: 96.6/64



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 259.144+/-0.053 χ^2/NDF:798360.9/15

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 270.732+/-0.057 χ^2/NDF:524012.3/13

Left: 264.458+/-0.039 χ^2/NDF: 1344649.0/29

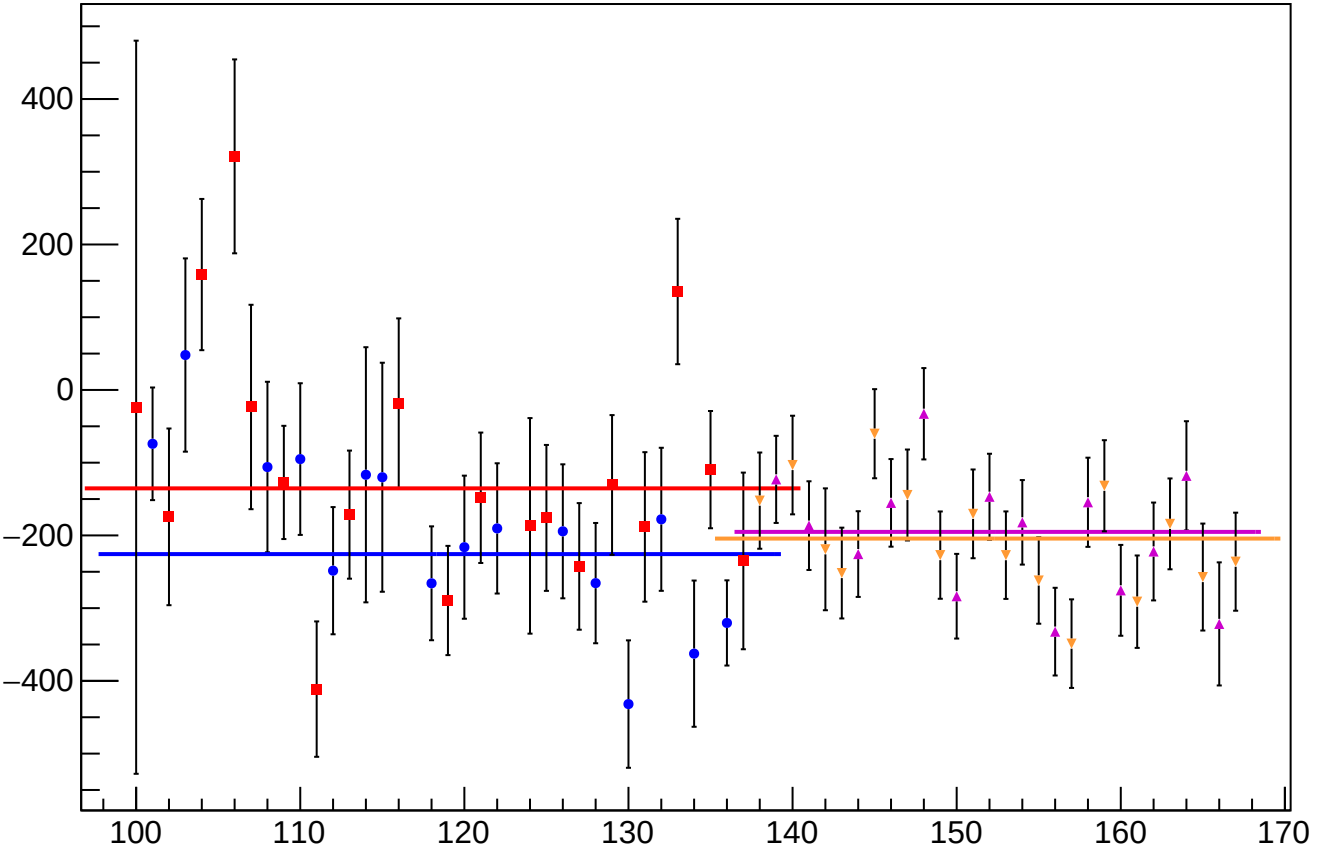
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 216.548+/-0.039 χ^2/NDF:6768257.3/29

Out: 190.414+/-0.034 χ^2/NDF:8925361.9/34

All: 201.738+/-0.026 χ^2/NDF: 15945502.3/64

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -204.349+/-15.999 χ^2/NDF:21.1/15

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -195.152+/-16.719 χ^2/NDF:22.6/13

Left: -199.953+/-11.559 χ^2/NDF: 43.9/29

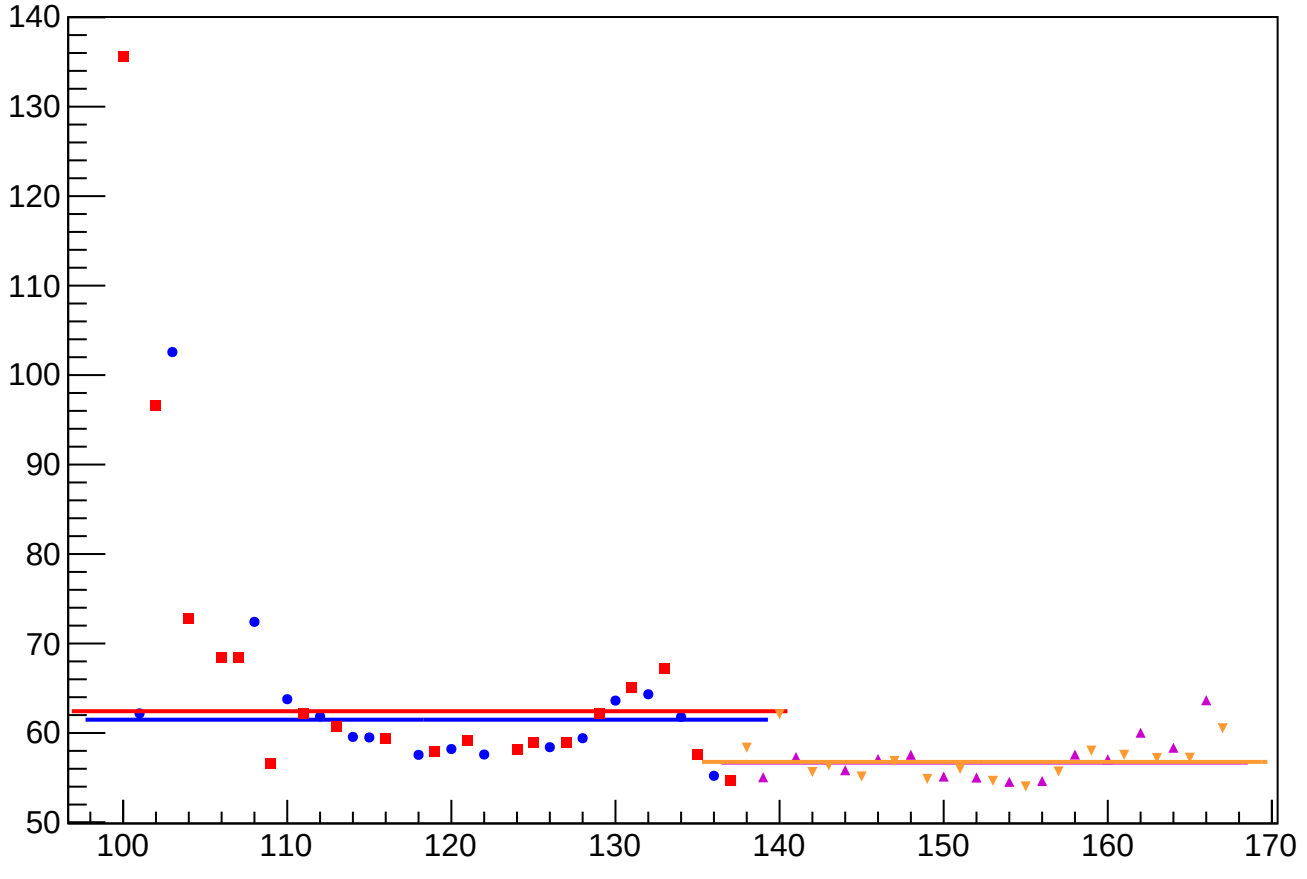
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -205.639+/-13.547 χ^2/NDF:46.4/29

Out: -182.104+/-13.172 χ^2/NDF:72.0/34

All: -193.541+/-9.444 χ^2/NDF: 119.9/64

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.767+/-0.011 χ^2/NDF:32529.9/15

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.692+/-0.012 χ^2/NDF:30666.2/13

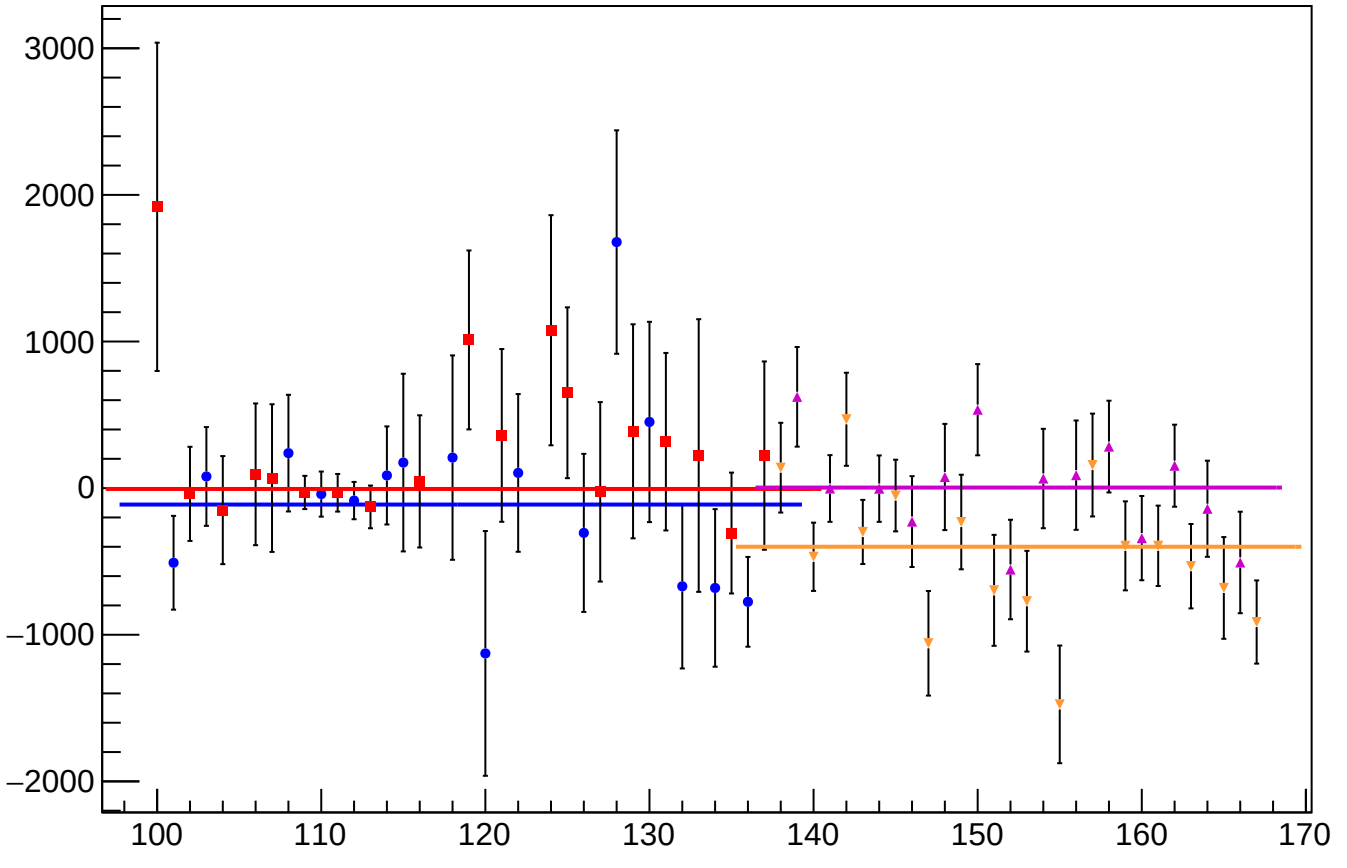
Left: 56.731+/-0.008 χ^2/NDF: 63217.4/29

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.338+/-0.010 χ^2/NDF:337808.3/29

Out: 58.593+/-0.009 χ^2/NDF:392740.4/34

All: 58.469+/-0.007 χ^2/NDF: 730911.9/64



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -399.736+/-74.350 χ^2/NDF:32.3/15

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 3.797+/-80.789 χ^2/NDF:14.5/13

Left: -214.691+/-54.708 χ^2/NDF: 60.3/29

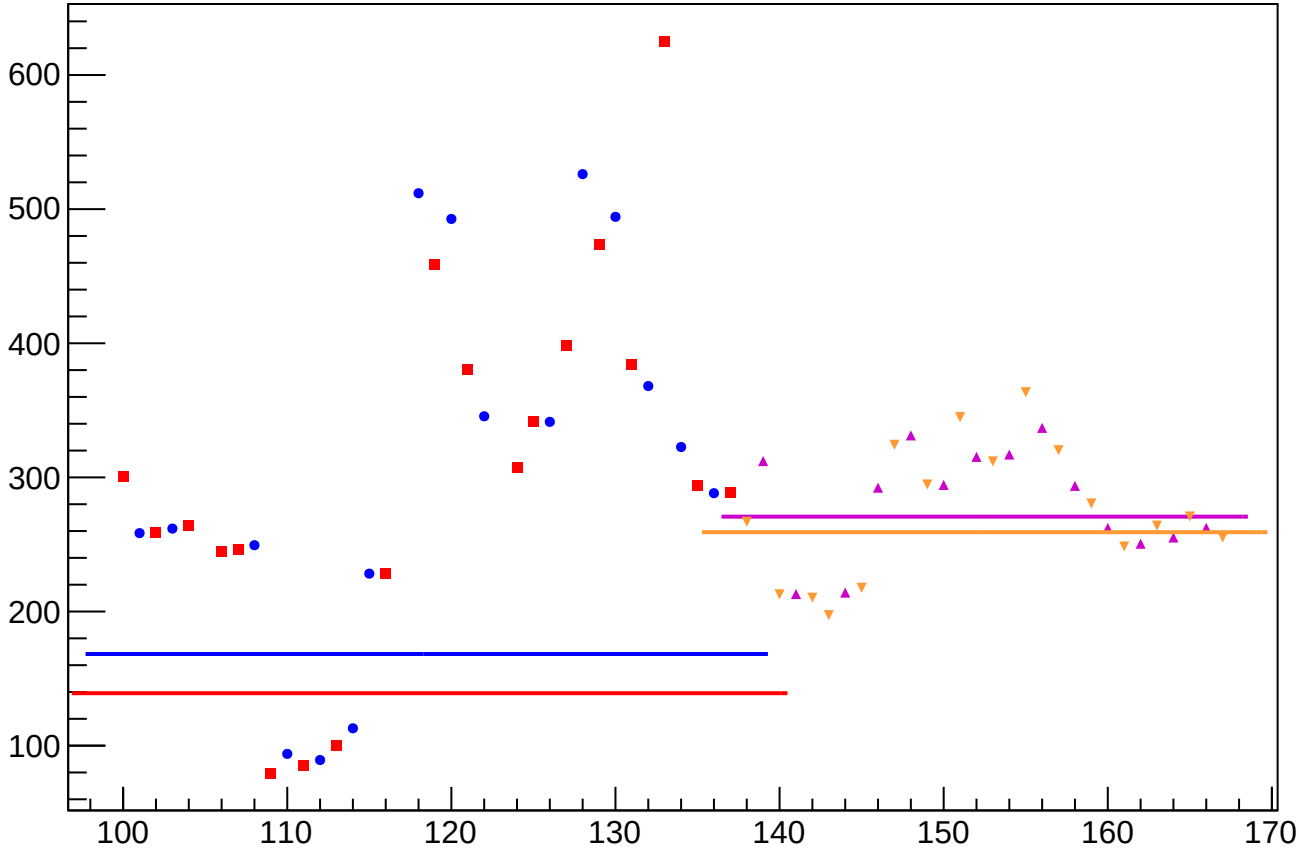
Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -57.403+/-55.438 χ^2/NDF:34.1/29

Out: -173.612+/-48.542 χ^2/NDF:60.0/34

All: -123.181+/-36.520 χ^2/NDF: 96.5/64

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.144+/-0.053 χ^2/NDF:798365.4/15

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 270.732+/-0.057 χ^2/NDF:524010.9/13

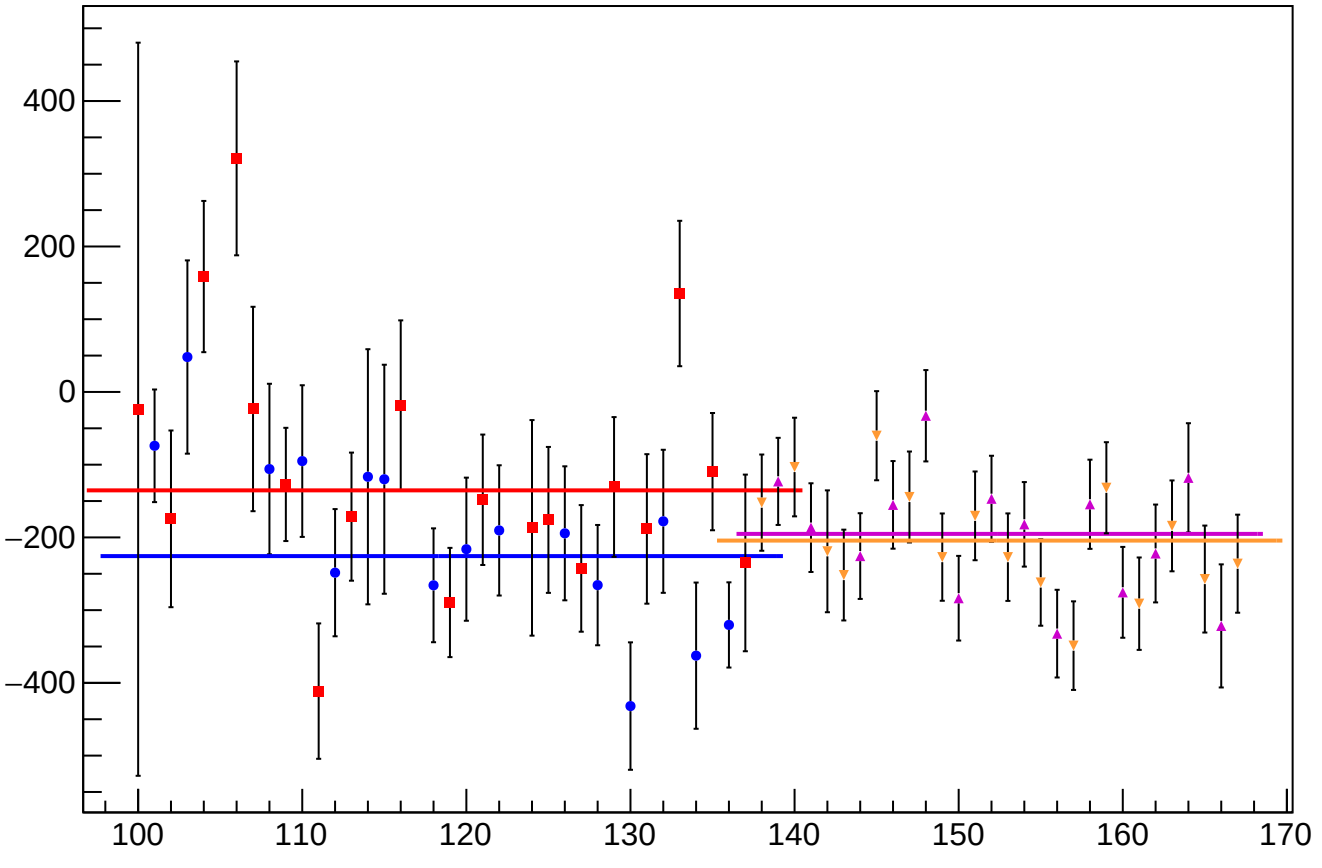
Left: 264.458+/-0.039 χ^2/NDF: 1344653.2/29

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 216.548+/-0.039 χ^2/NDF:6768293.7/29

Out: 190.272+/-0.034 χ^2/NDF:8919516.5/34

All: 201.675+/-0.026 χ^2/NDF: 15942135.1/64



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -204.349+/-15.999 χ^2/NDF:21.1/15

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -195.152+/-16.719 χ^2/NDF:22.6/13

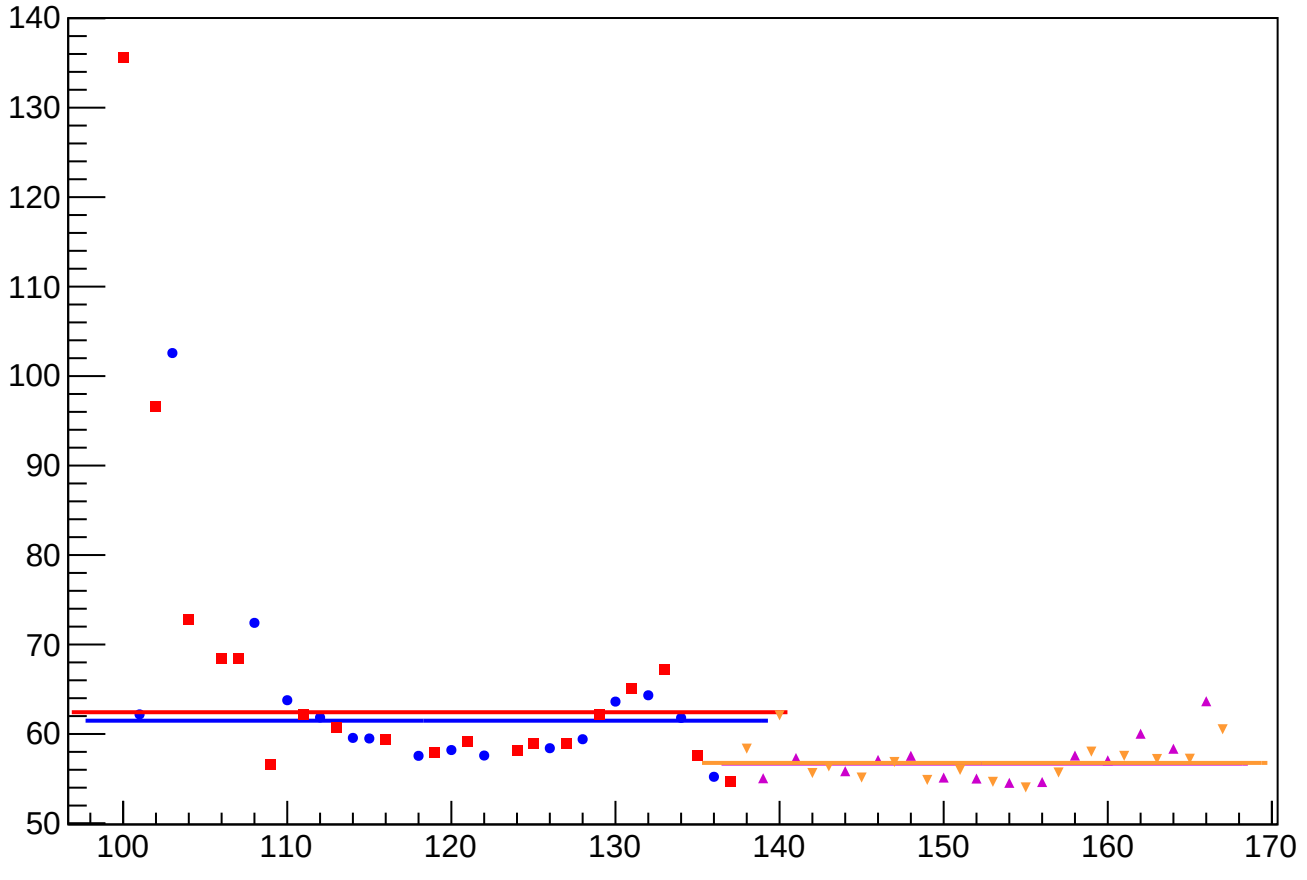
Left: -199.953+/-11.559 χ^2/NDF: 43.9/29

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -205.639+/-13.547 χ^2/NDF:46.4/29

Out: -182.104+/-13.172 χ^2/NDF:72.0/34

All: -193.541+/-9.444 χ^2/NDF: 119.9/64



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.767+/-0.011 χ^2/NDF:32529.9/15

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.692+/-0.012 χ^2/NDF:30666.2/13

Left: 56.731+/-0.008 χ^2/NDF: 63217.4/29

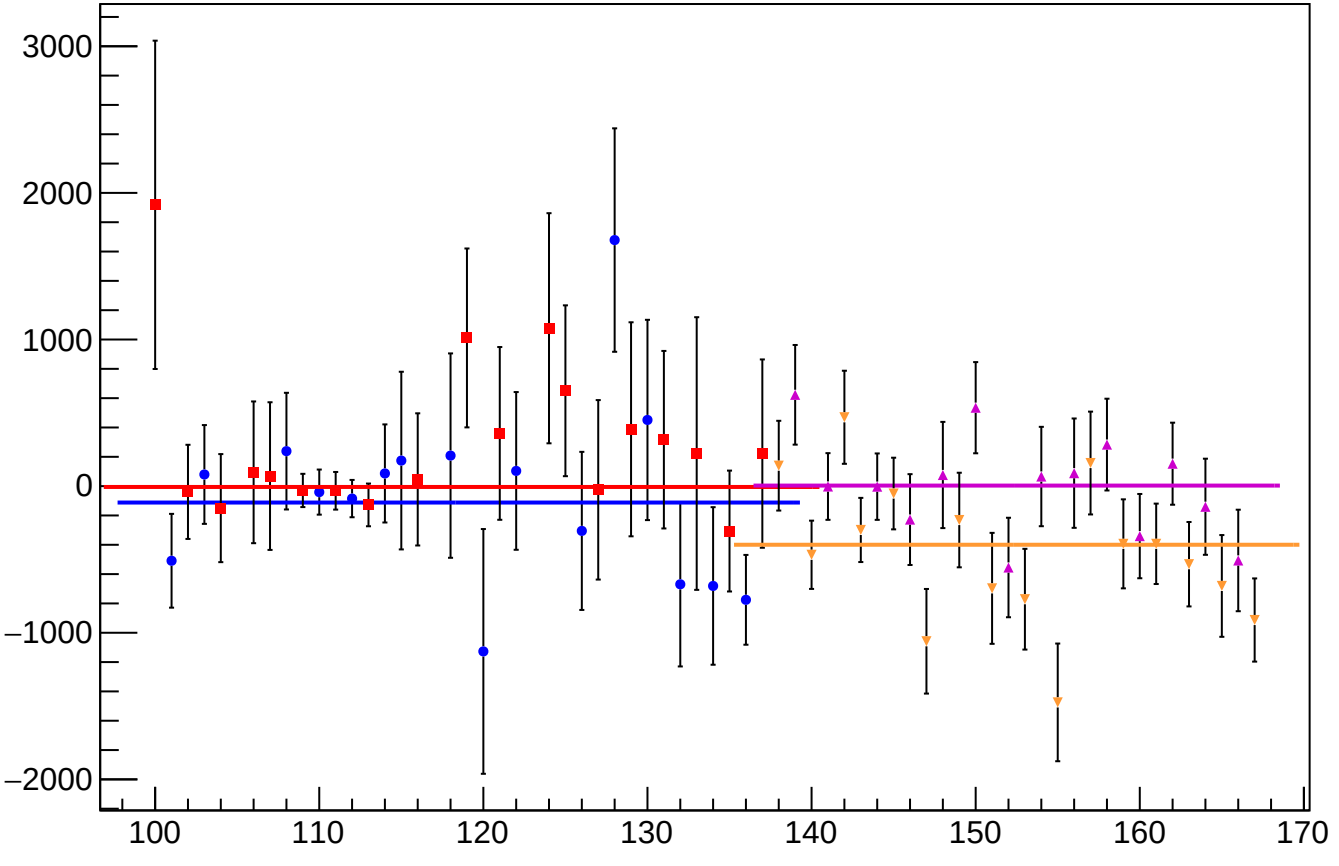
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.338+/-0.010 χ^2/NDF:337808.3/29

Out: 58.593+/-0.009 χ^2/NDF:392740.4/34

All: 58.469+/-0.007 χ^2/NDF: 730911.9/64

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -399.736+/-74.350 χ^2/NDF:32.3/15

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 3.797+/-80.789 χ^2/NDF:14.5/13

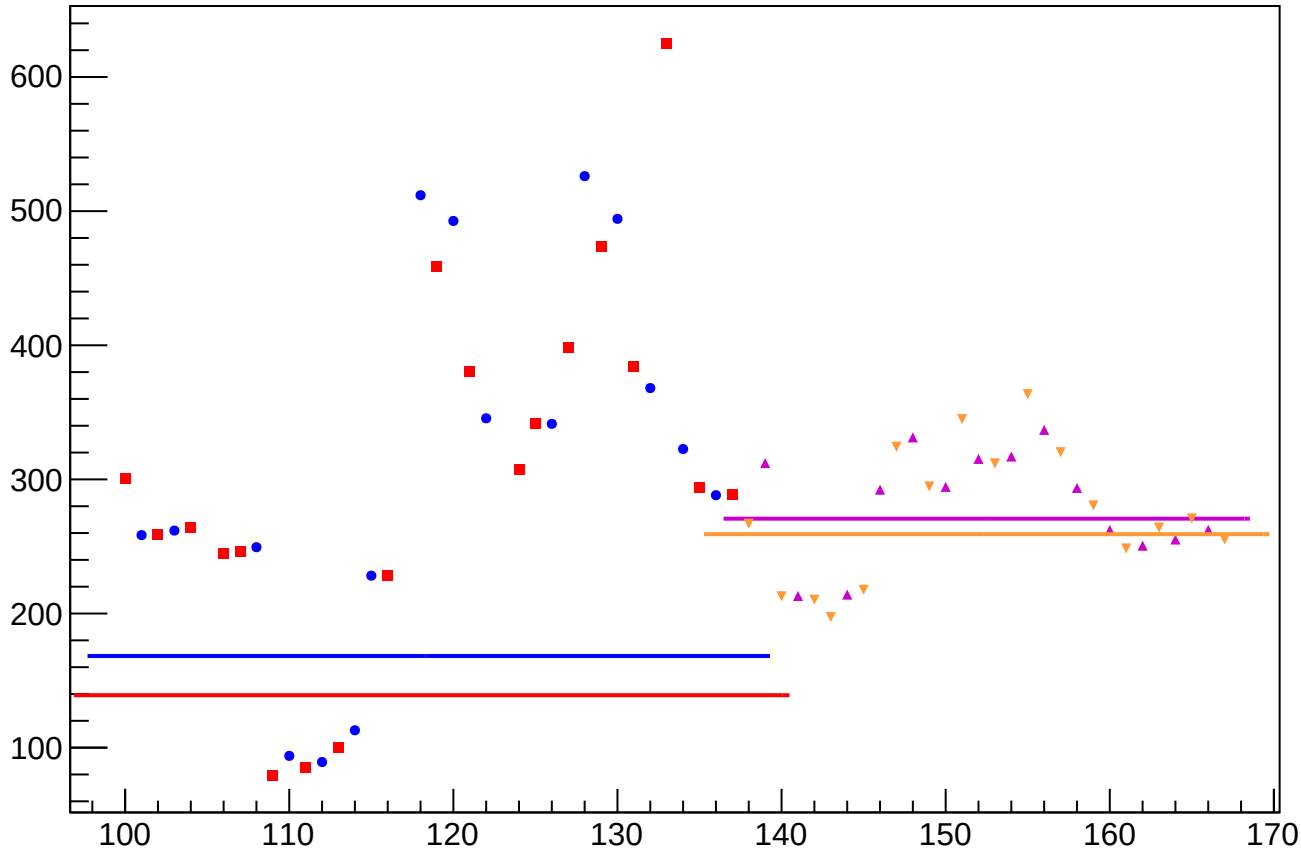
Left: -214.691+/-54.708 χ^2/NDF: 60.3/29

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -57.403+/-55.438 χ^2/NDF:34.1/29

Out: -173.612+/-48.542 χ^2/NDF:60.0/34

All: -123.181+/-36.520 χ^2/NDF: 96.5/64



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.144+/-0.053 χ^2/NDF:798365.4/15

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 270.732+/-0.057 χ^2/NDF:524010.9/13

Left: 264.458+/-0.039 χ^2/NDF: 1344653.2/29

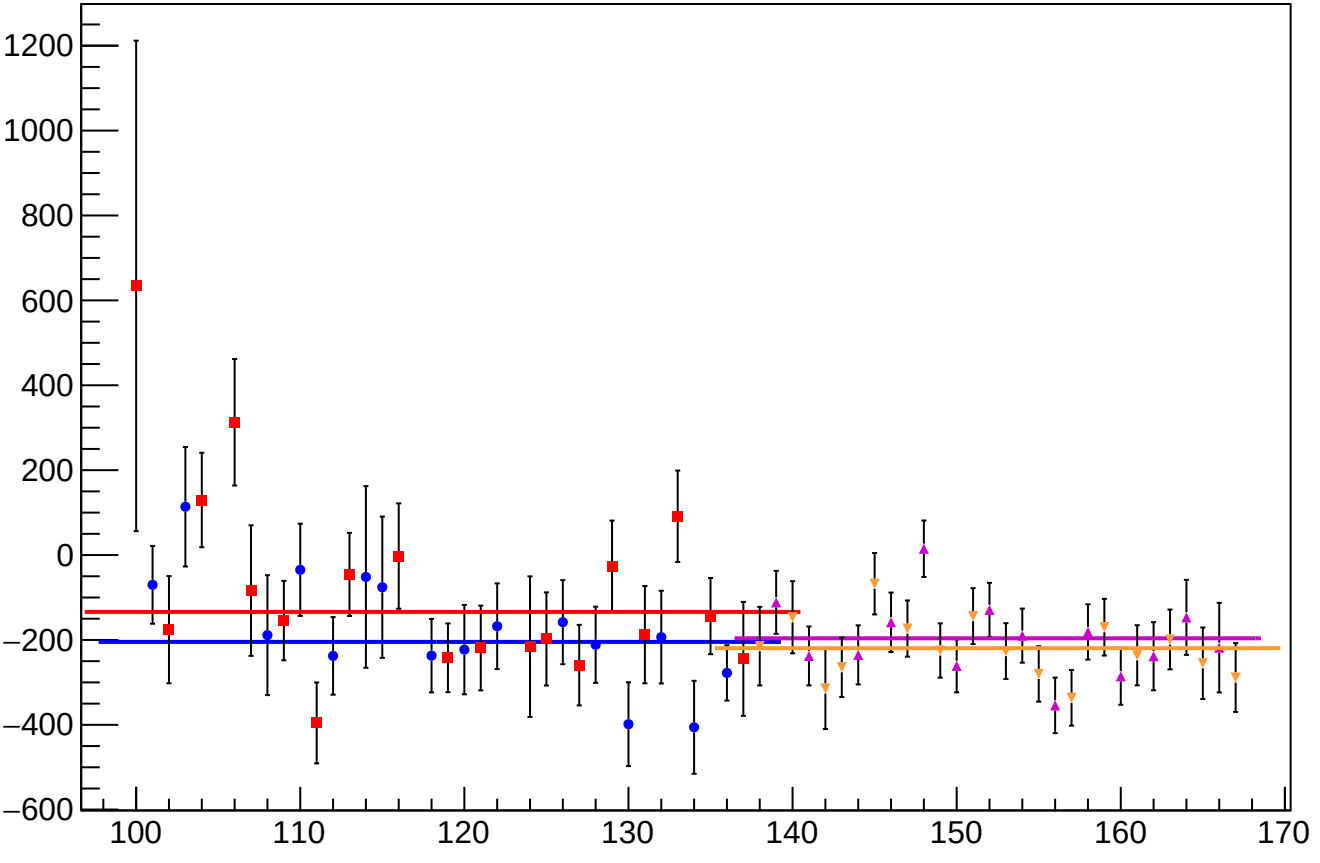
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 216.548+/-0.039 χ^2/NDF:6768293.7/29

Out: 190.272+/-0.034 χ^2/NDF:8919516.5/34

All: 201.675+/-0.026 χ^2/NDF: 15942135.1/64

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -219.346+/-18.021 χ^2/NDF:14.0/15

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -196.120+/-18.763 χ^2/NDF:22.8/13

Left: -208.201+/-12.997 χ^2/NDF: 37.6/29

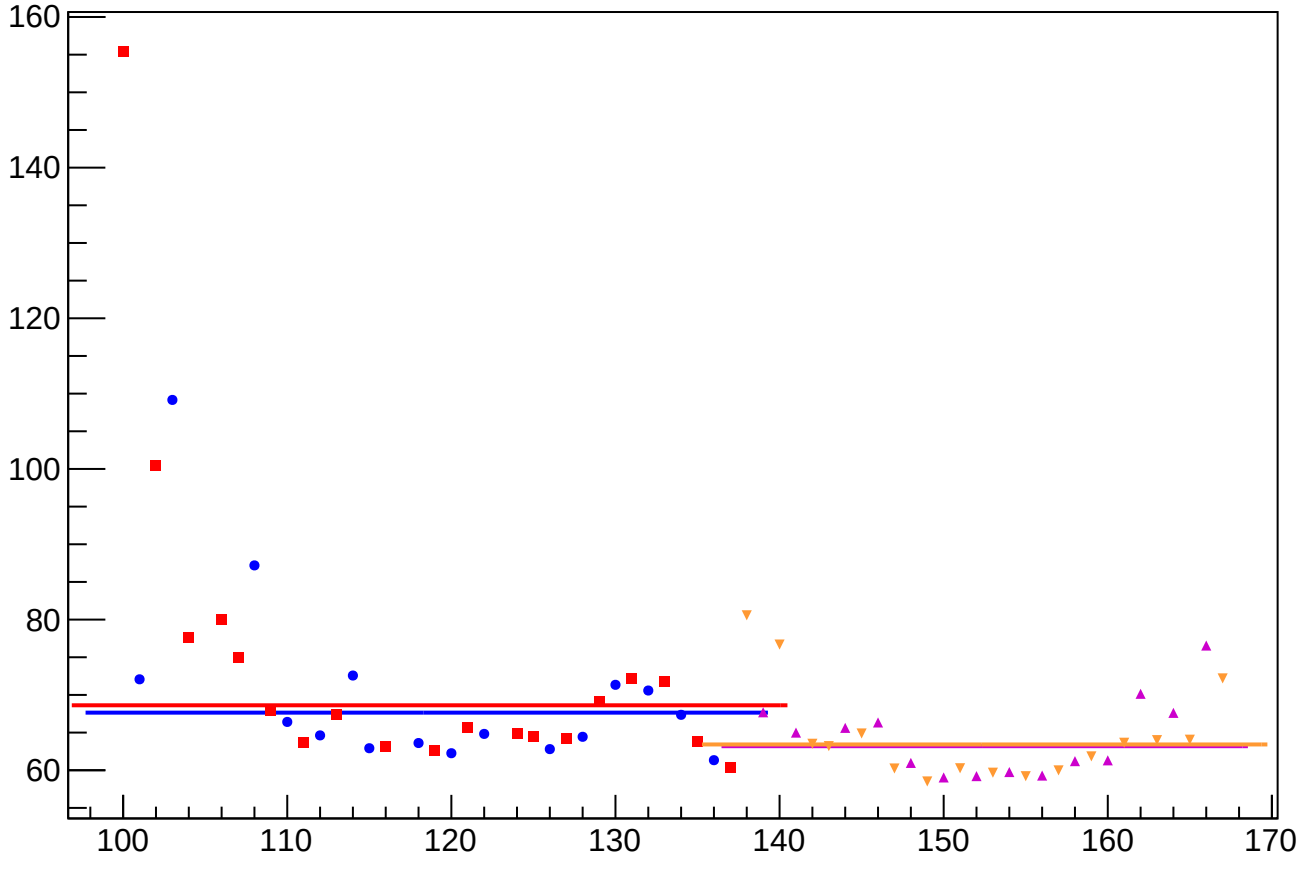
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -199.087+/-15.118 χ^2/NDF:42.9/29

Out: -190.868+/-14.714 χ^2/NDF:58.7/34

All: -194.866+/-10.544 χ^2/NDF: 101.8/64

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.424+/-0.013 χ^2/NDF:184473.5/15

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.193+/-0.013 χ^2/NDF:102560.0/13

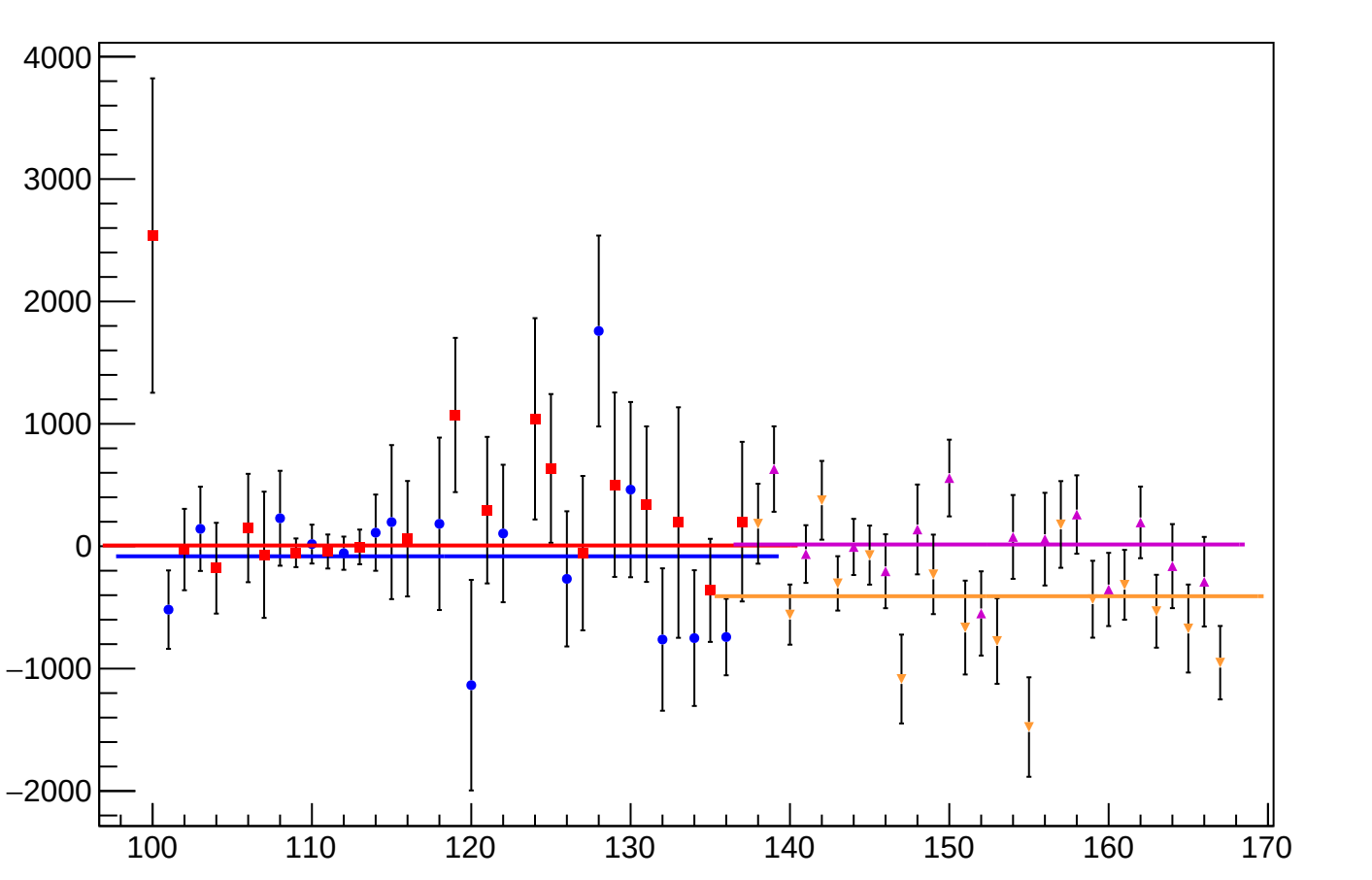
Left: 63.313+/-0.009 χ^2/NDF: 287190.9/29

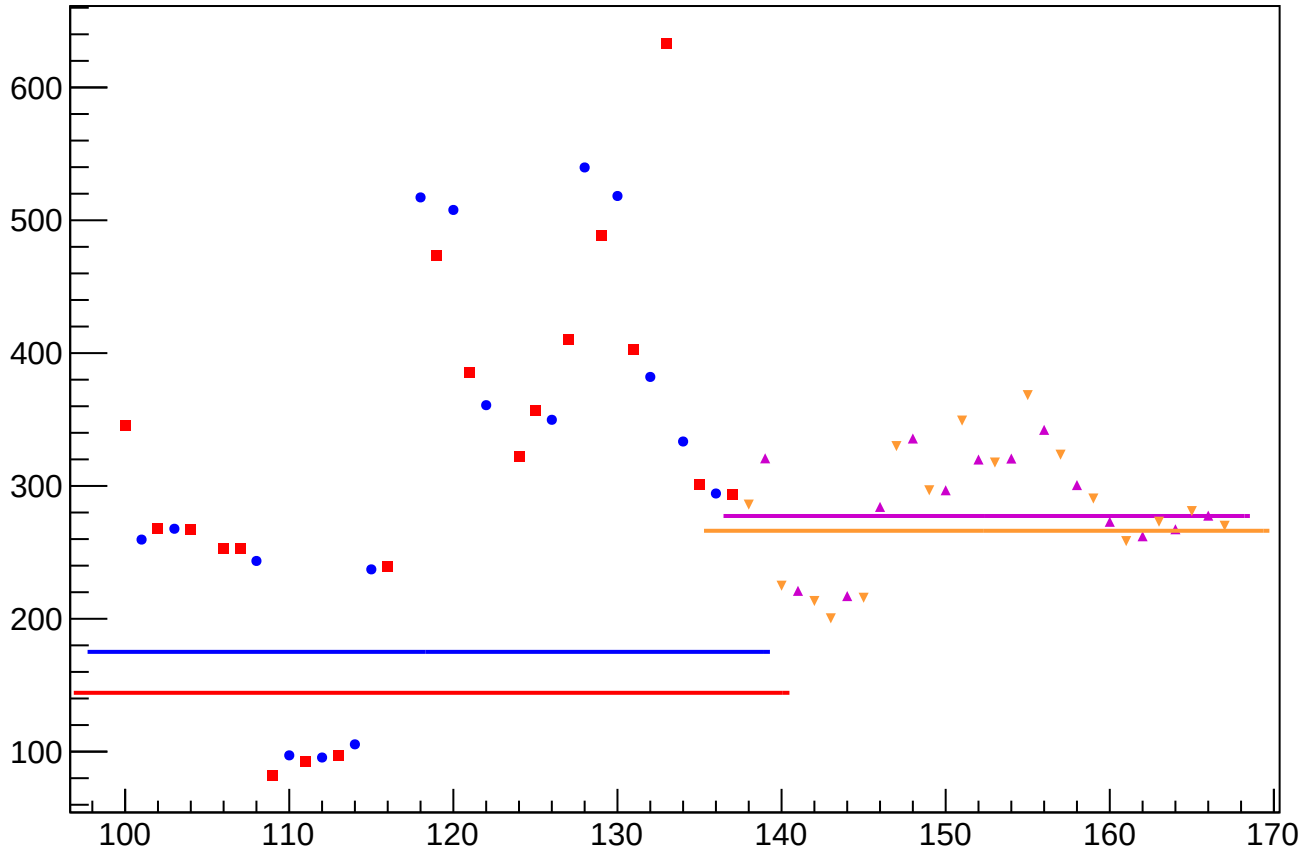
Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.756+/-0.011 χ^2/NDF:405771.3/29

Out: 65.158+/-0.010 χ^2/NDF:488149.4/34

All: 64.962+/-0.007 χ^2/NDF: 894645.8/64


asym_sam8_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -408.402+/-76.318 χ²/NDF:30.8/15
Right Out: 6.063+/-65.910 χ²/NDF: 12.0/18
Left In: 14.242+/-82.690 χ²/NDF:13.0/13
Left: -213.989+/-56.082 χ²/NDF: 58.0/29
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: -36.391+/-56.998 χ²/NDF:33.0/29
Out: -171.002+/-49.883 χ²/NDF:59.8/34
All: -112.619+/-37.538 χ²/NDF: 95.9/64



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 266.257+/-0.054 χ^2/NDF:794266.2/15

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 277.387+/-0.058 χ^2/NDF:481654.9/13

Left: 271.377+/-0.040 χ^2/NDF: 1295490.1/29

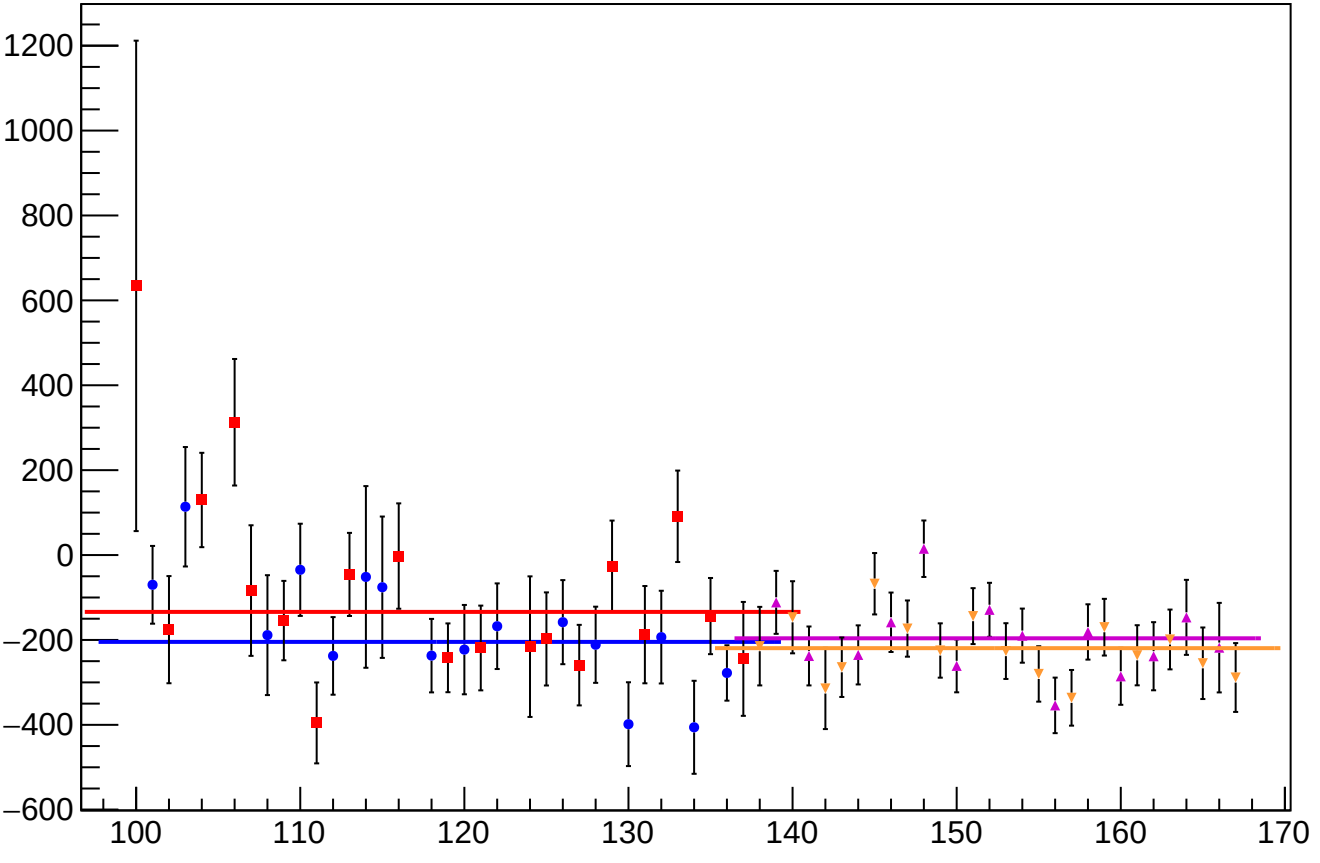
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 223.701+/-0.040 χ^2/NDF:6517001.5/29

Out: 196.388+/-0.035 χ^2/NDF:8853215.7/34

All: 208.234+/-0.027 χ^2/NDF: 15630273.4/64

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -219.345+/-18.021 χ^2/NDF:14.0/15

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -196.121+/-18.763 χ^2/NDF:22.8/13

Left: -208.201+/-12.997 χ^2/NDF: 37.6/29

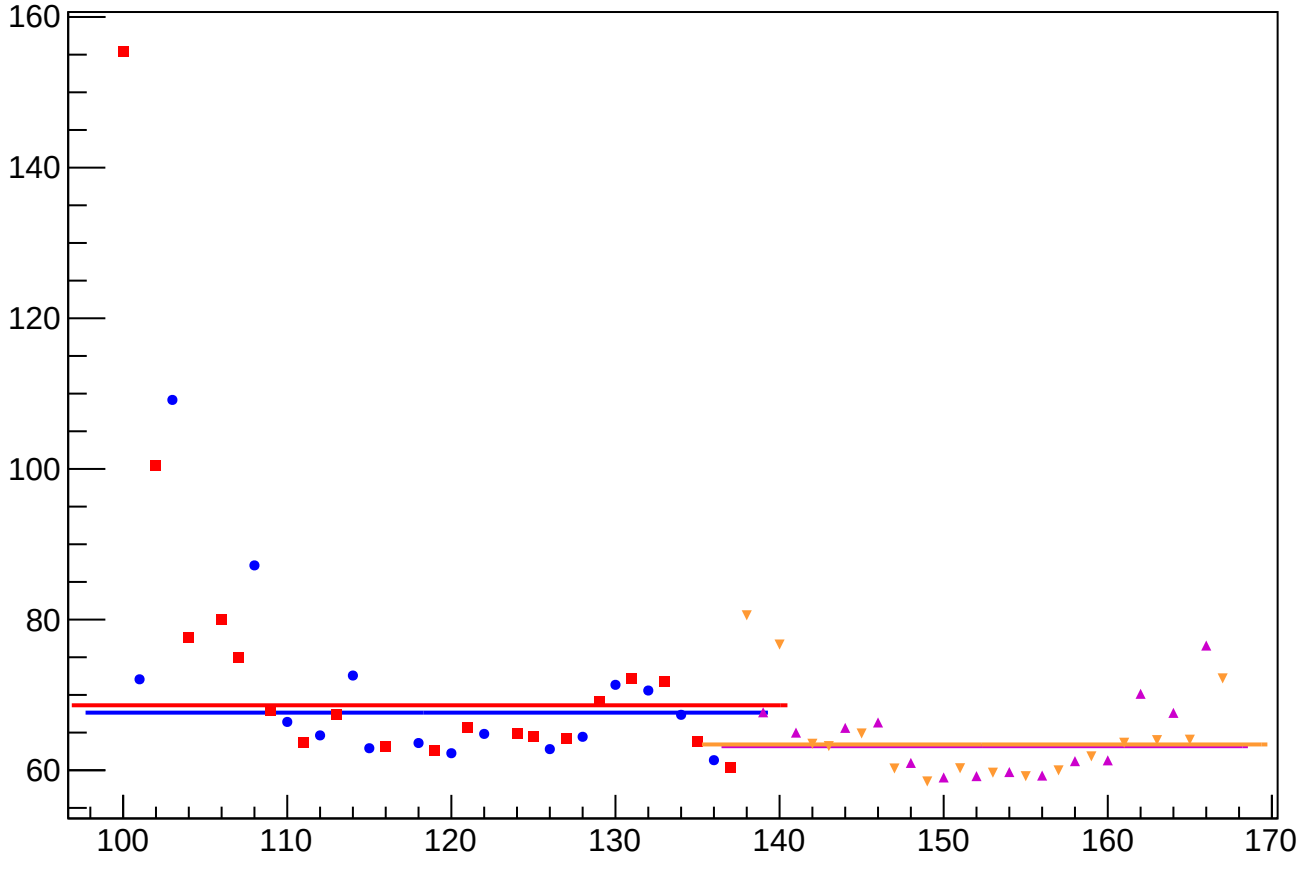
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -199.088+/-15.118 χ^2/NDF:42.9/29

Out: -190.868+/-14.714 χ^2/NDF:58.7/34

All: -194.866+/-10.544 χ^2/NDF: 101.8/64

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.424+/-0.013 χ^2/NDF:184472.4/15

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.193+/-0.013 χ^2/NDF:102560.2/13

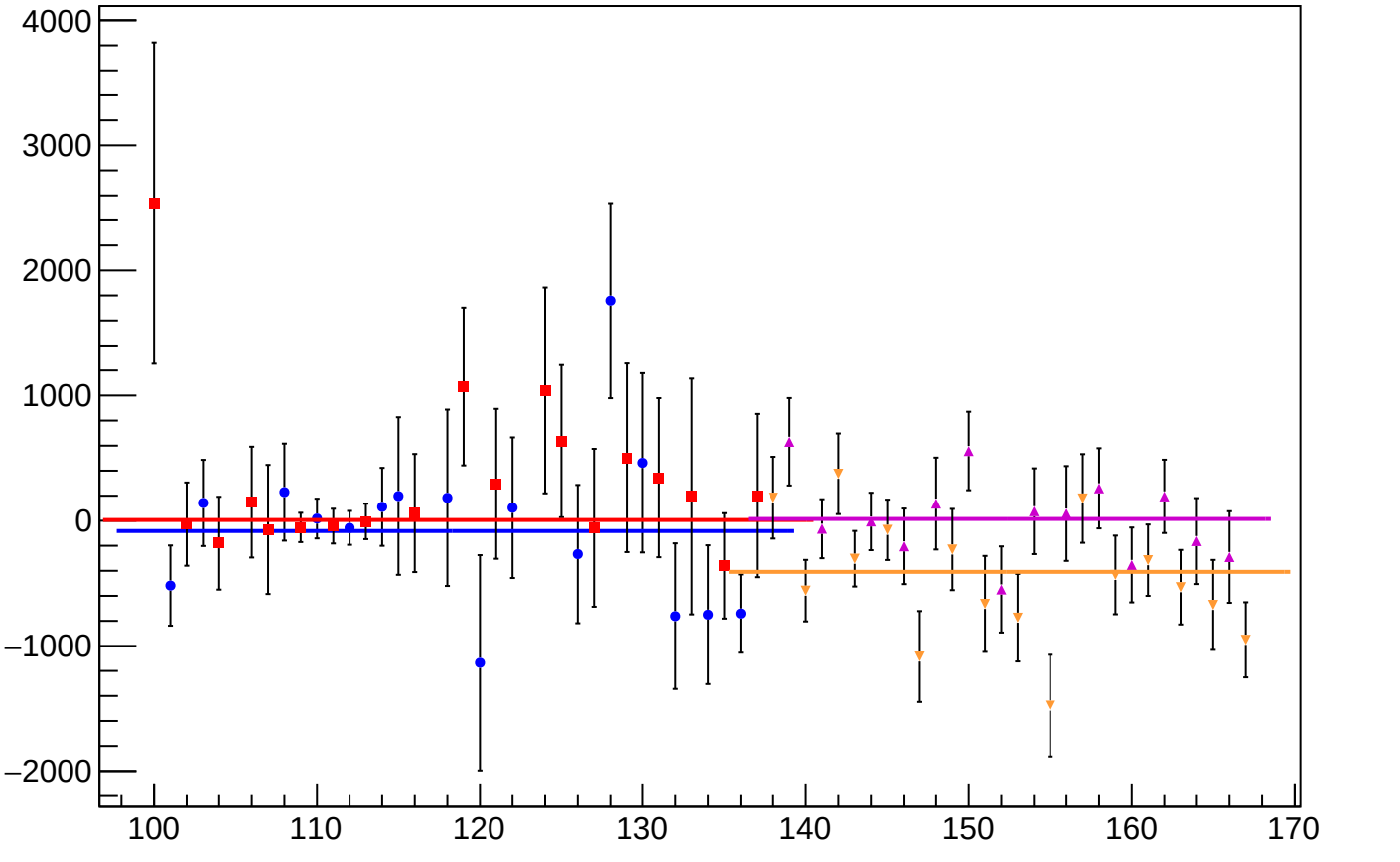
Left: 63.313+/-0.009 χ^2/NDF: 287189.9/29

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.756+/-0.011 χ^2/NDF:405766.8/29

Out: 65.158+/-0.010 χ^2/NDF:488144.7/34

All: 64.962+/-0.007 χ^2/NDF: 894636.7/64



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -408.400+/-76.318 χ^2/NDF:30.8/15

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 14.242+/-82.689 χ^2/NDF:13.0/13

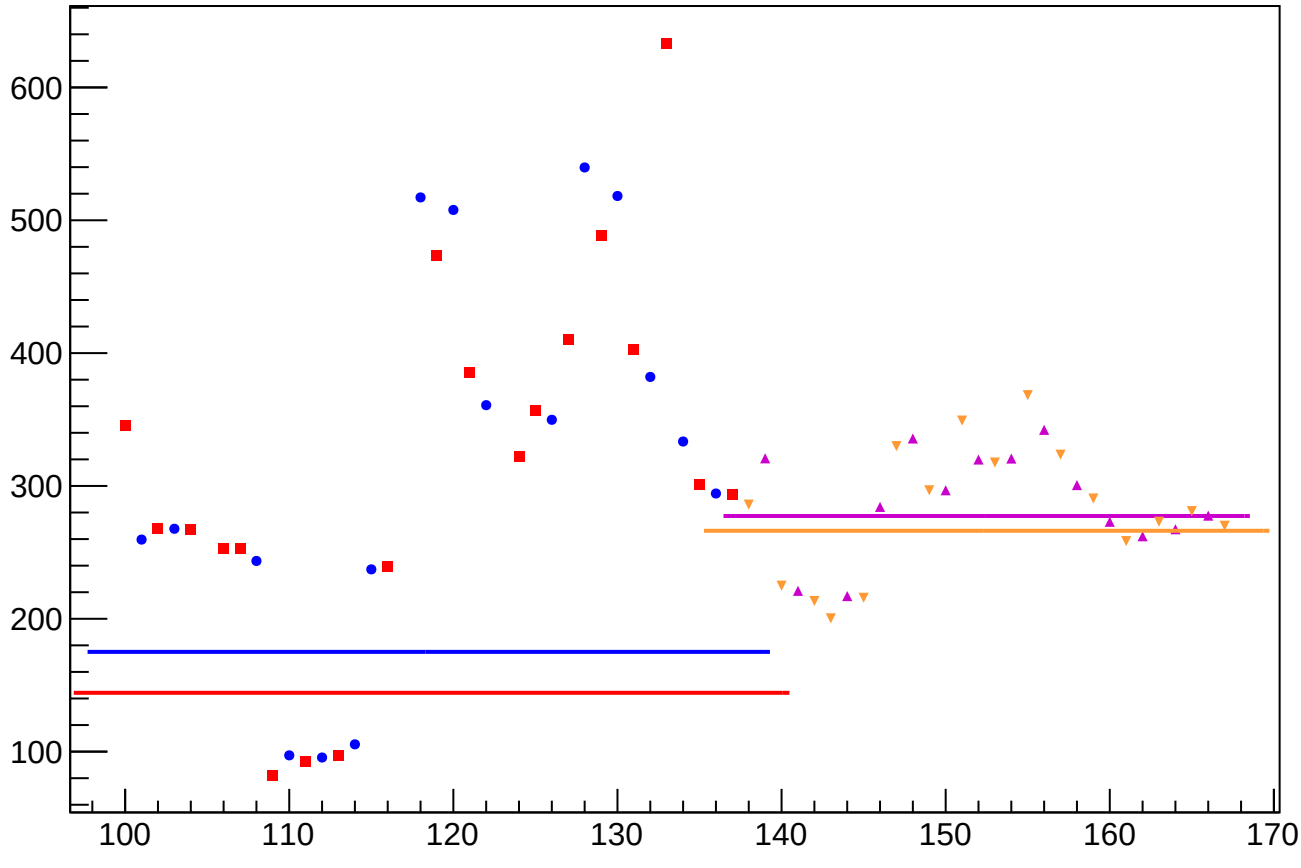
Left: -213.989+/-56.082 χ^2/NDF: 58.0/29

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -36.390+/-56.998 χ^2/NDF:33.0/29

Out: -171.002+/-49.882 χ^2/NDF:59.8/34

All: -112.619+/-37.537 χ^2/NDF: 95.9/64



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 266.256+/-0.054 χ^2/NDF:794274.9/15

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 277.386+/-0.058 χ^2/NDF:481656.2/13

Left: 271.376+/-0.040 χ^2/NDF: 1295500.6/29

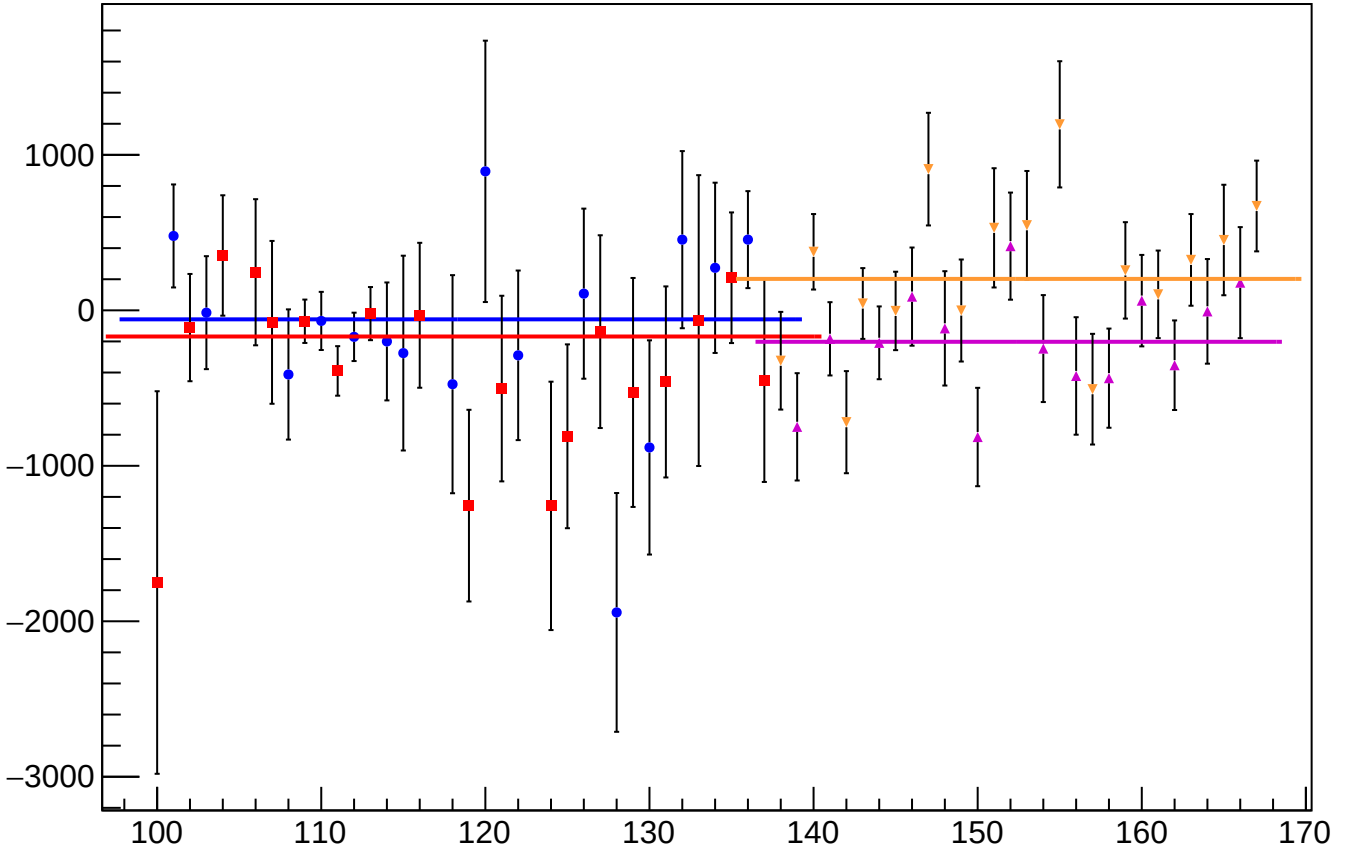
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 223.699+/-0.040 χ^2/NDF:6517055.4/29

Out: 196.387+/-0.035 χ^2/NDF:8853190.1/34

All: 208.233+/-0.027 χ^2/NDF: 15630289.3/64

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 202.193+/-76.372 χ^2/NDF:31.6/15

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -202.338+/-82.747 χ^2/NDF:13.8/13

Left: 16.108+/-56.122 χ^2/NDF: 58.3/29

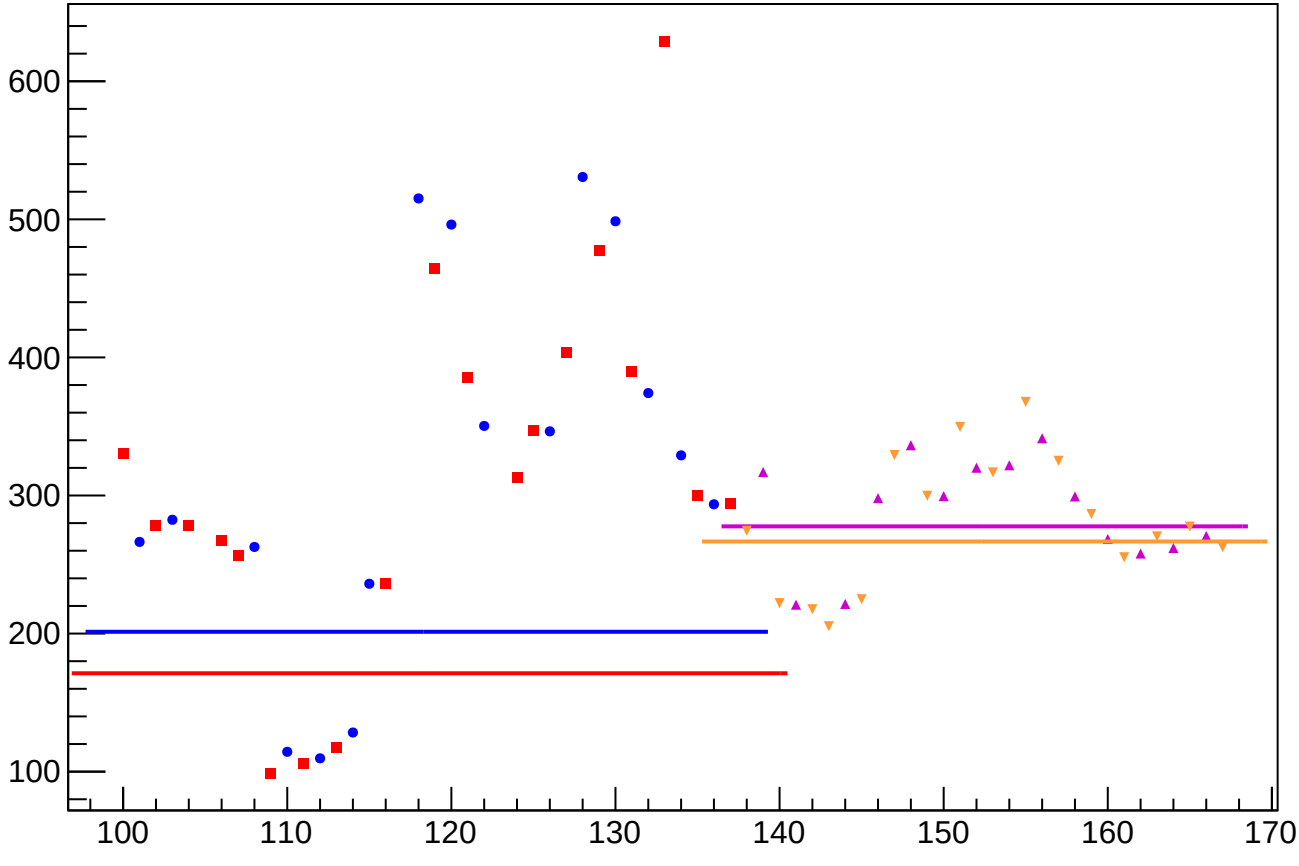
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -133.679+/-59.922 χ^2/NDF:32.6/29

Out: 12.582+/-53.365 χ^2/NDF:59.2/34

All: -52.111+/-39.852 χ^2/NDF: 95.1/64

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.698+/-0.054 χ^2/NDF:720592.7/15

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 277.653+/-0.059 χ^2/NDF:472159.4/13

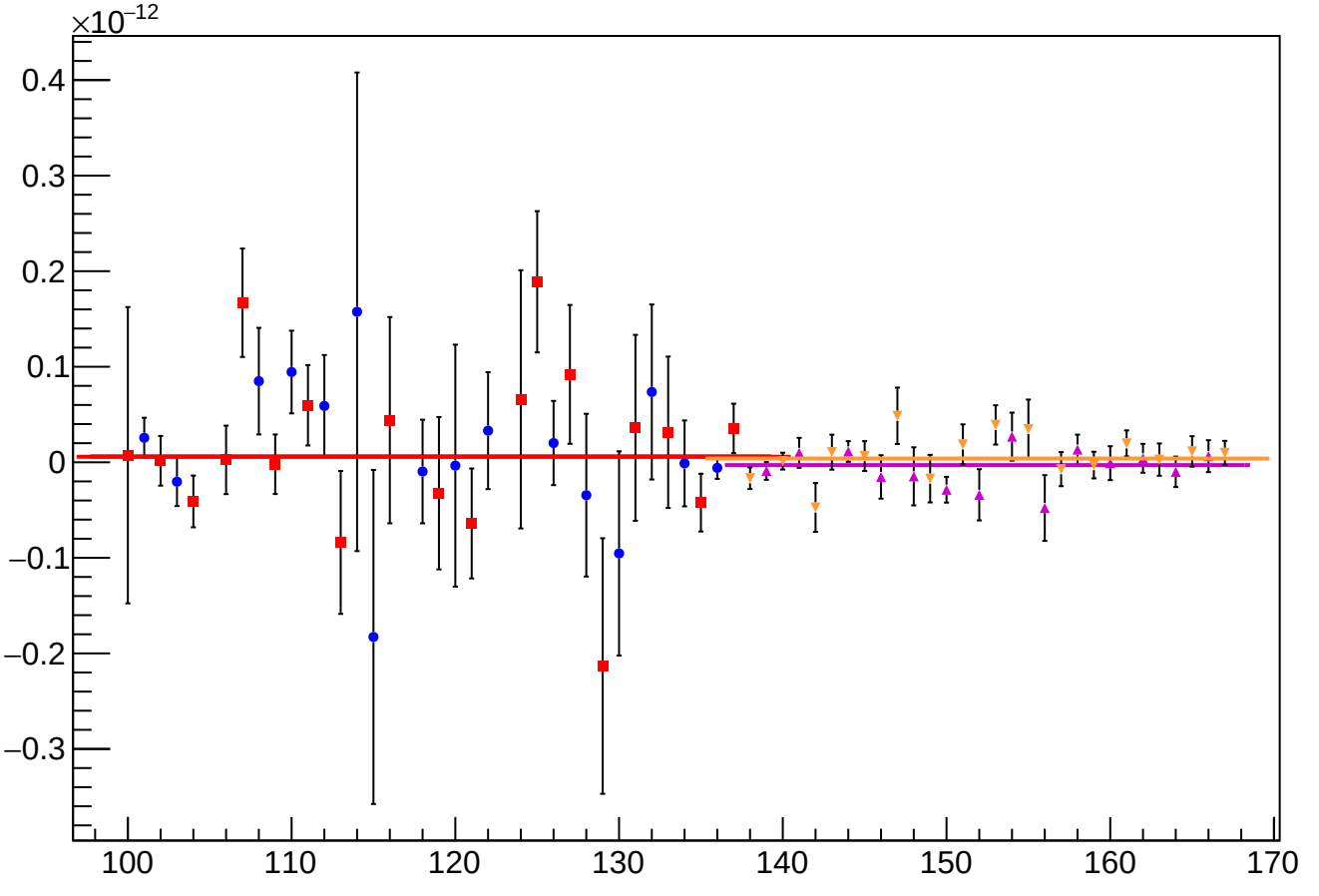
Left: 271.737+/-0.040 χ^2/NDF: 1211682.6/29

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 241.341+/-0.042 χ^2/NDF:4854191.6/29

Out: 217.853+/-0.038 χ^2/NDF:6511733.8/34

All: 228.242+/-0.028 χ^2/NDF: 11537296.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/13

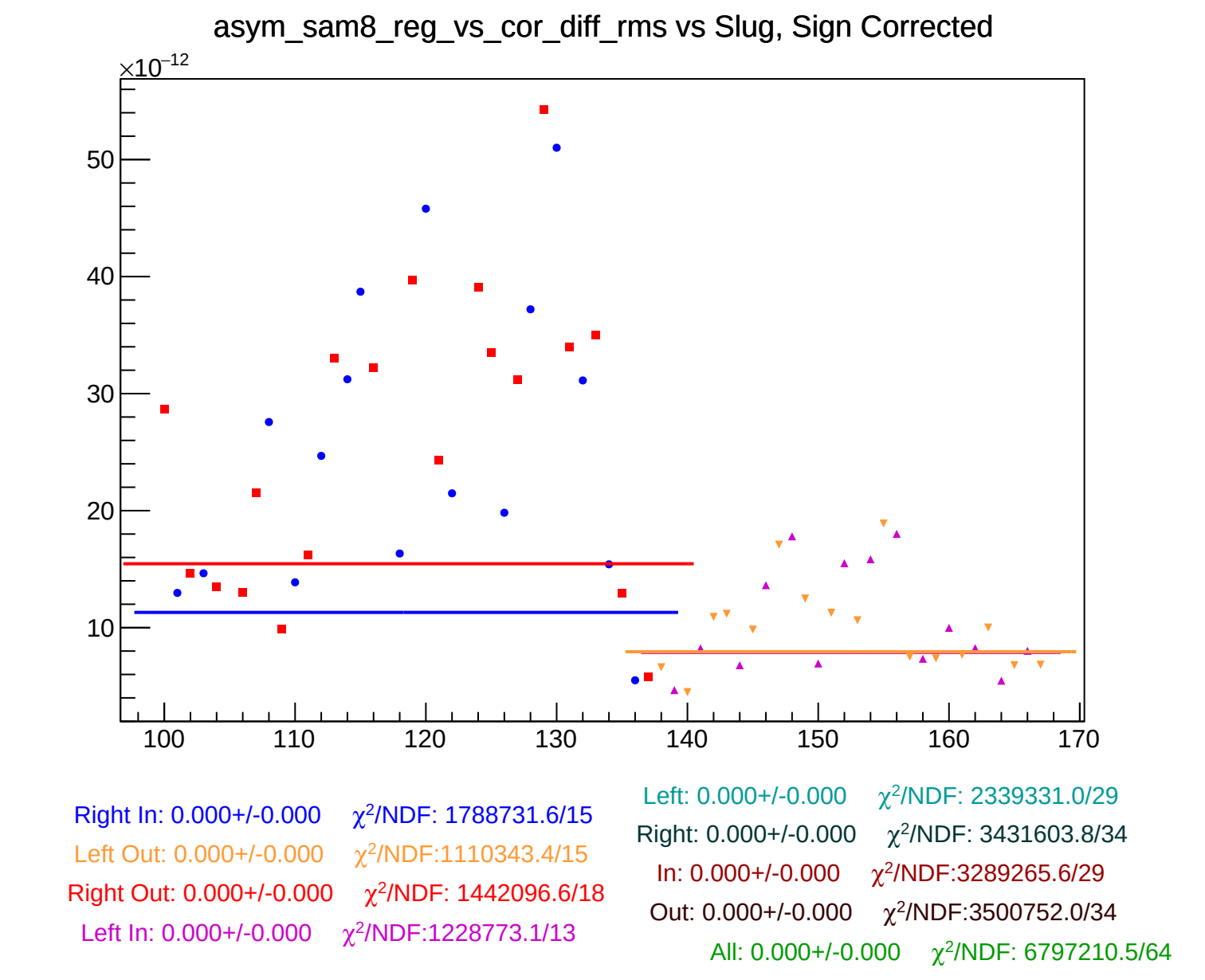
Left: 0.000+/-0.000 χ^2/NDF: 32.1/29

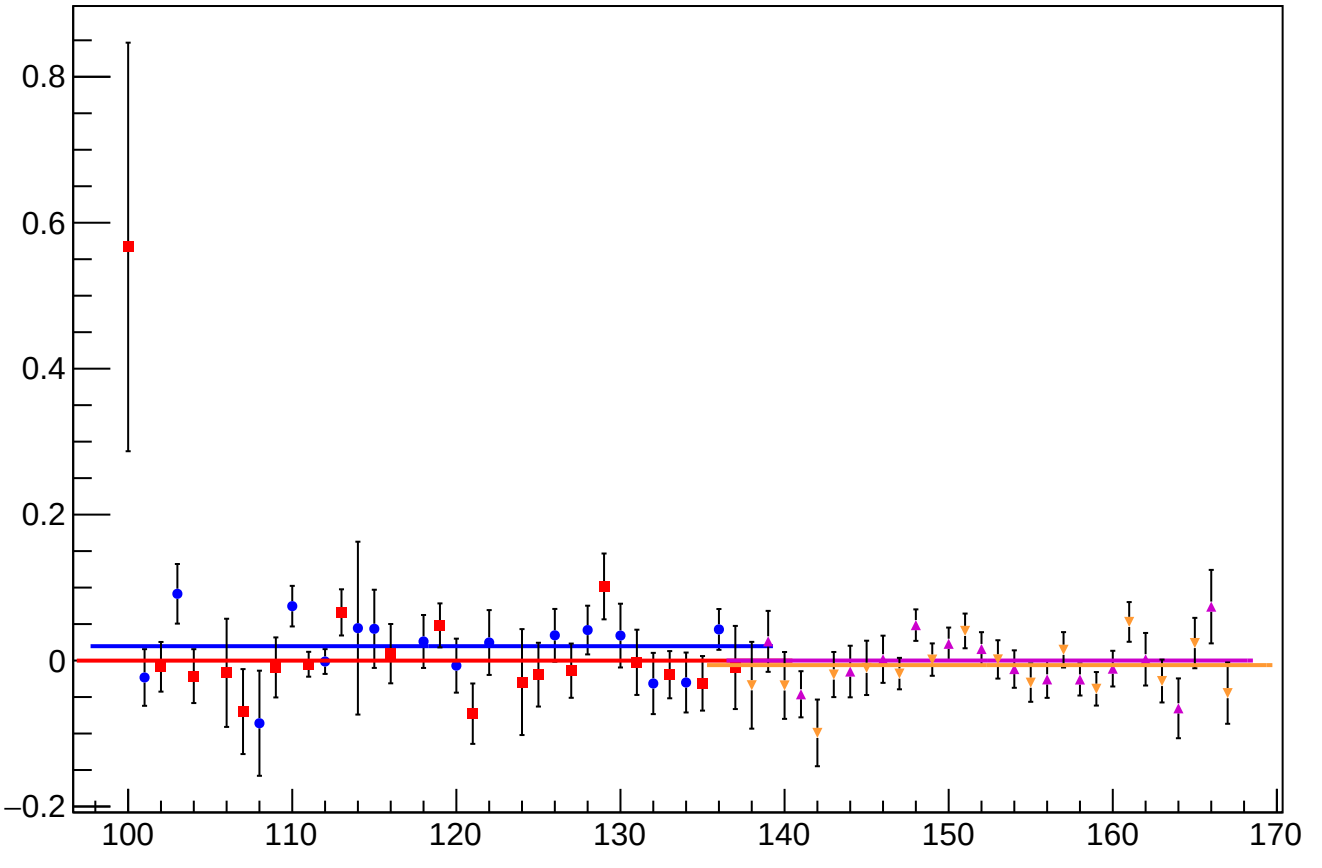
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:28.0/29

Out: 0.000+/-0.000 χ^2/NDF:48.0/34

All: 0.000+/-0.000 χ^2/NDF: 77.0/64


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1110343.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1228773.1/13
Left: 0.000+/-0.000 χ²/NDF: 2339331.0/29
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3289265.6/29
Out: 0.000+/-0.000 χ²/NDF:3500752.0/34
All: 0.000+/-0.000 χ²/NDF: 6797210.5/64



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:19.8/15

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.007 χ^2/NDF:16.9/13

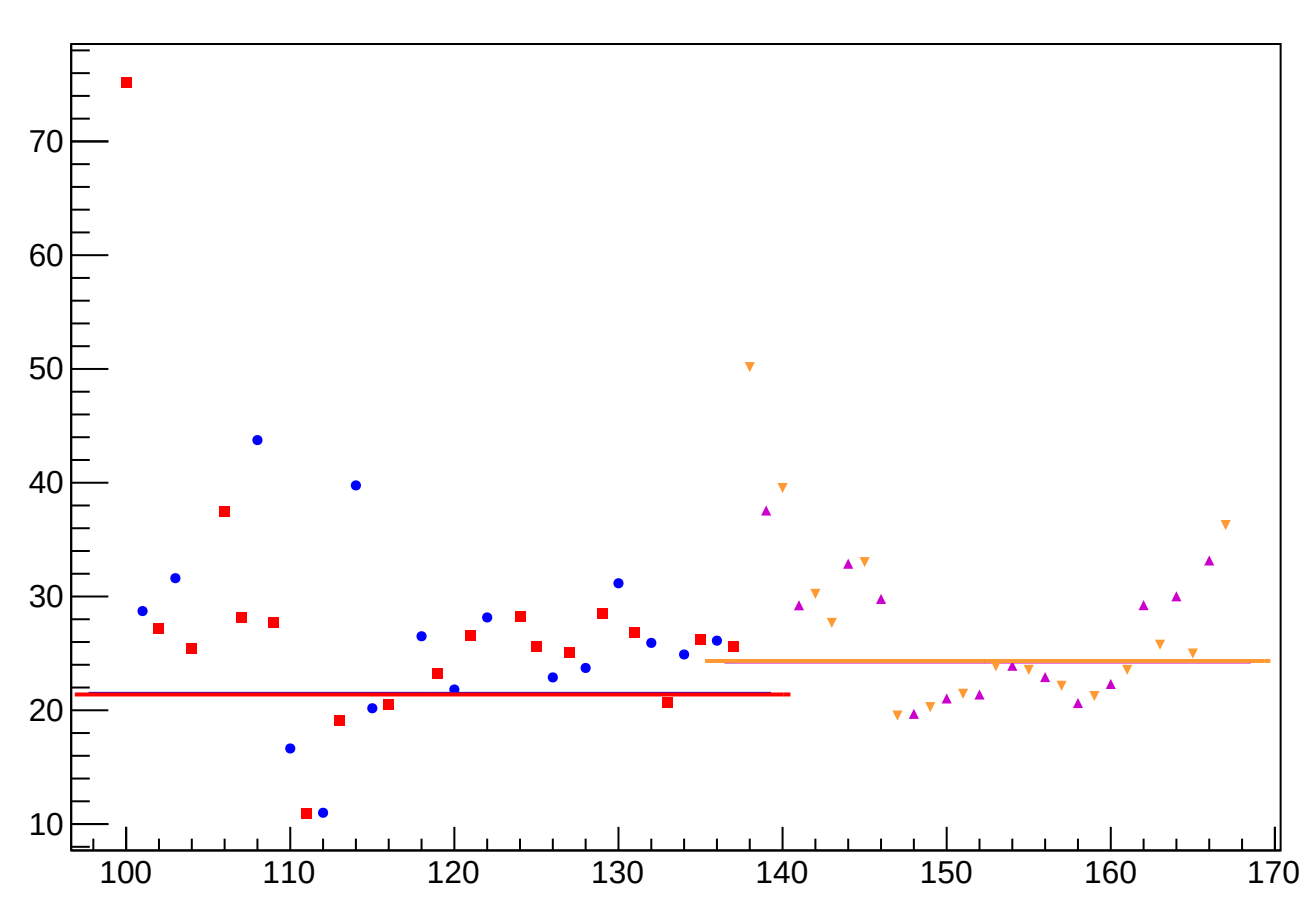
Left: -0.003+/-0.005 χ^2/NDF: 37.0/29

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:36.8/29

Out: -0.004+/-0.005 χ^2/NDF:42.9/34

All: 0.002+/-0.004 χ^2/NDF: 82.1/64



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.6/15

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.287+/-0.005 χ^2/NDF:805582.7/13

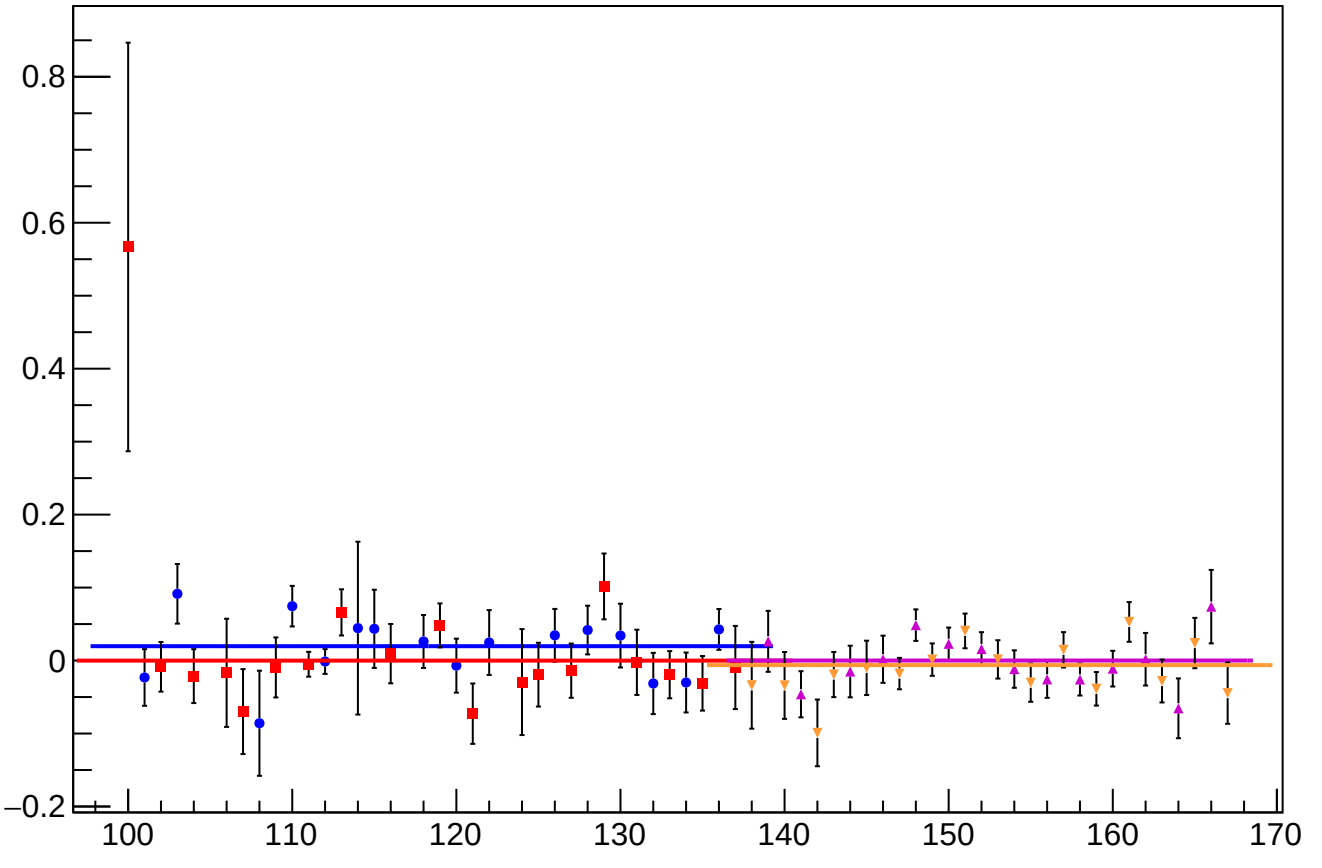
Left: 24.311+/-0.004 χ^2/NDF: 1987657.9/29

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.079+/-0.004 χ^2/NDF:2469586.6/29

Out: 23.108+/-0.004 χ^2/NDF:2633832.1/34

All: 23.094+/-0.003 χ^2/NDF: 5103445.4/64



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:19.8/15

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.007 χ^2/NDF:16.9/13

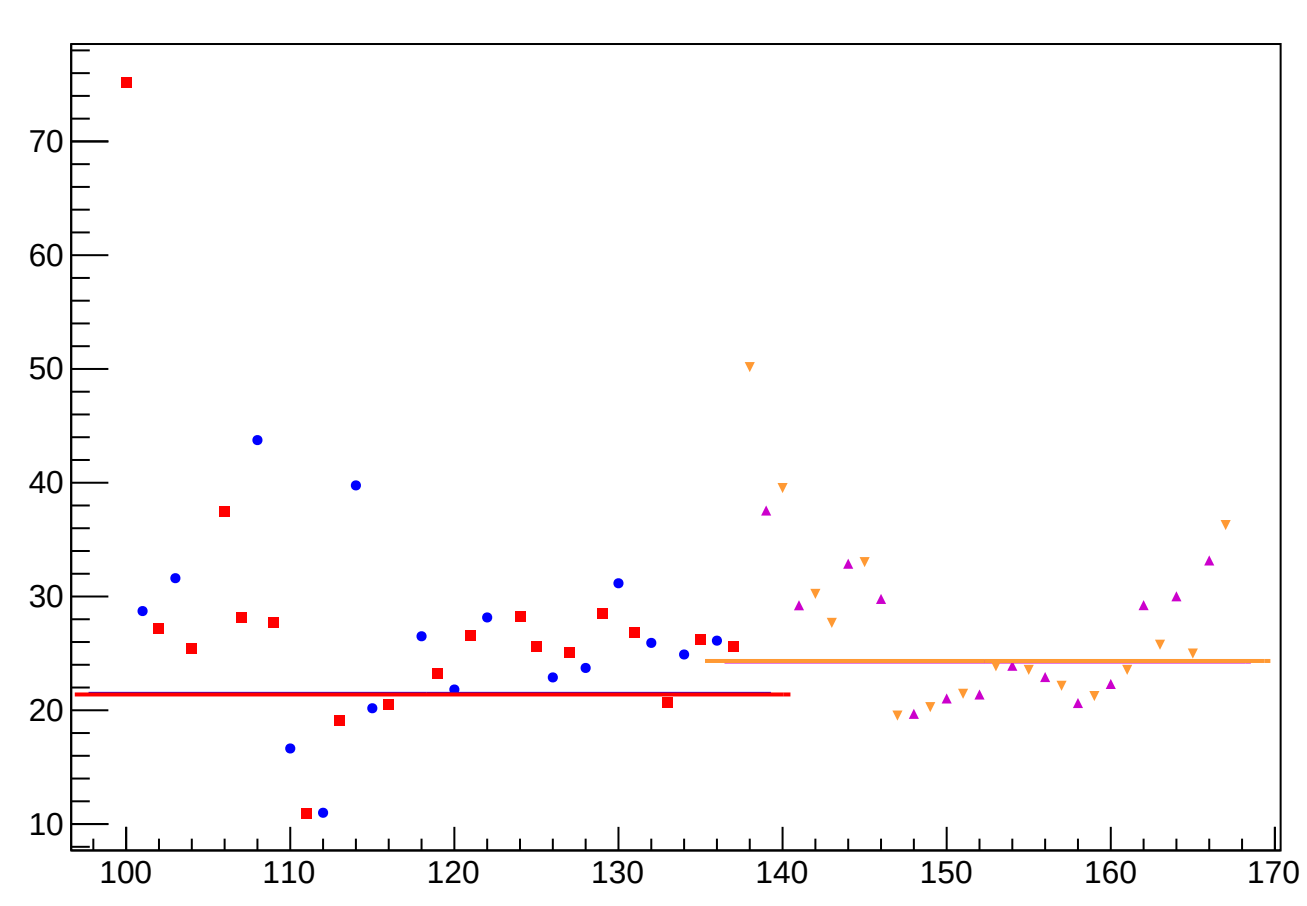
Left: -0.003+/-0.005 χ^2/NDF: 37.0/29

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:36.8/29

Out: -0.004+/-0.005 χ^2/NDF:42.9/34

All: 0.002+/-0.004 χ^2/NDF: 82.1/64



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.6/15

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.287+/-0.005 χ^2/NDF:805582.7/13

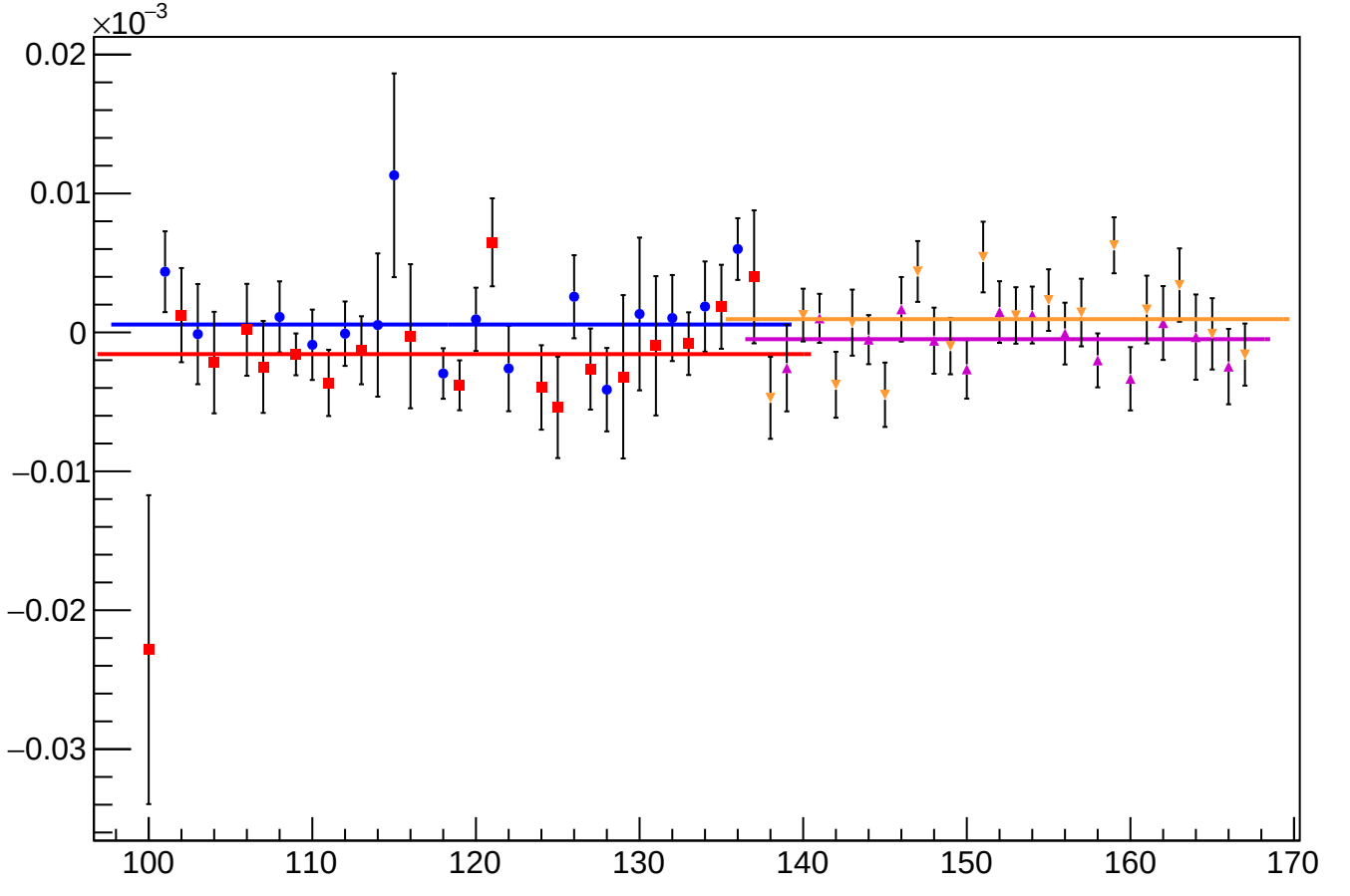
Left: 24.311+/-0.004 χ^2/NDF: 1987657.9/29

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.079+/-0.004 χ^2/NDF:2469586.6/29

Out: 23.108+/-0.004 χ^2/NDF:2633832.1/34

All: 23.094+/-0.003 χ^2/NDF: 5103445.4/64



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/13

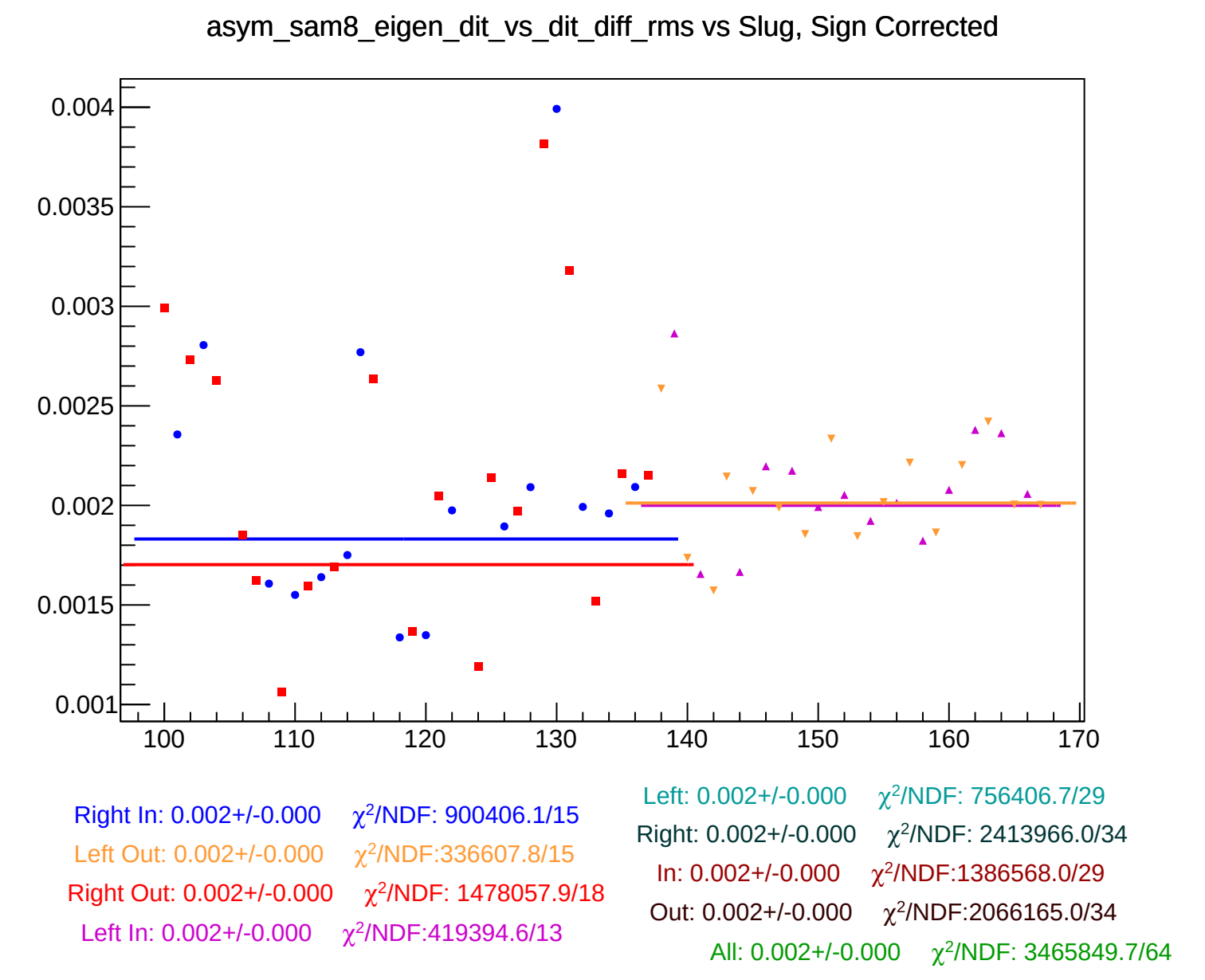
Left: 0.000+/-0.000 χ^2/NDF: 40.1/29

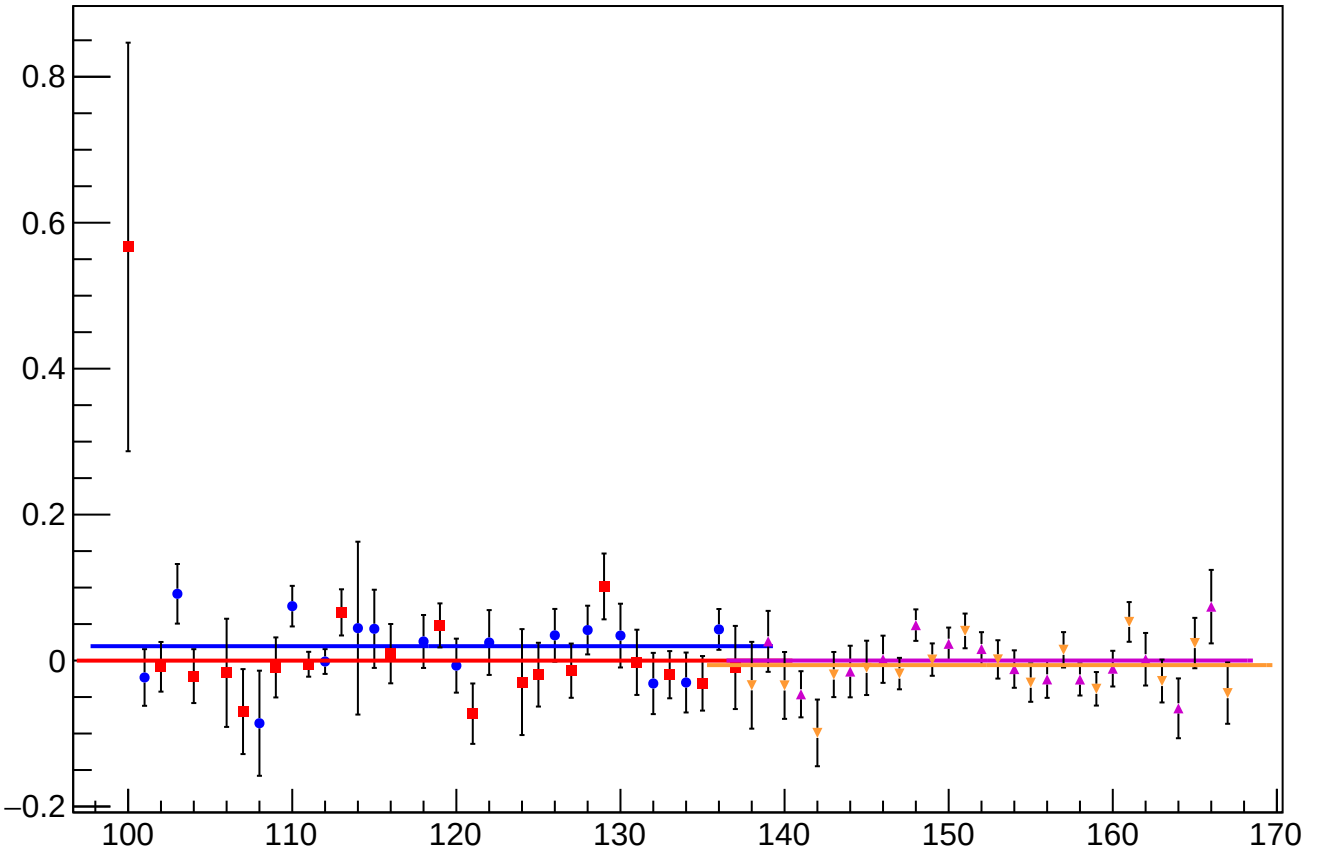
Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:27.1/29

Out: -0.000+/-0.000 χ^2/NDF:56.1/34

All: -0.000+/-0.000 χ^2/NDF: 83.2/64


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:336607.8/15
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:419394.6/13
Left: 0.002+/-0.000 χ²/NDF: 756406.7/29
Right: 0.002+/-0.000 χ²/NDF: 2413966.0/34
In: 0.002+/-0.000 χ²/NDF:1386568.0/29
Out: 0.002+/-0.000 χ²/NDF:2066165.0/34
All: 0.002+/-0.000 χ²/NDF: 3465849.7/64



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:19.8/15

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.007 χ^2/NDF:16.9/13

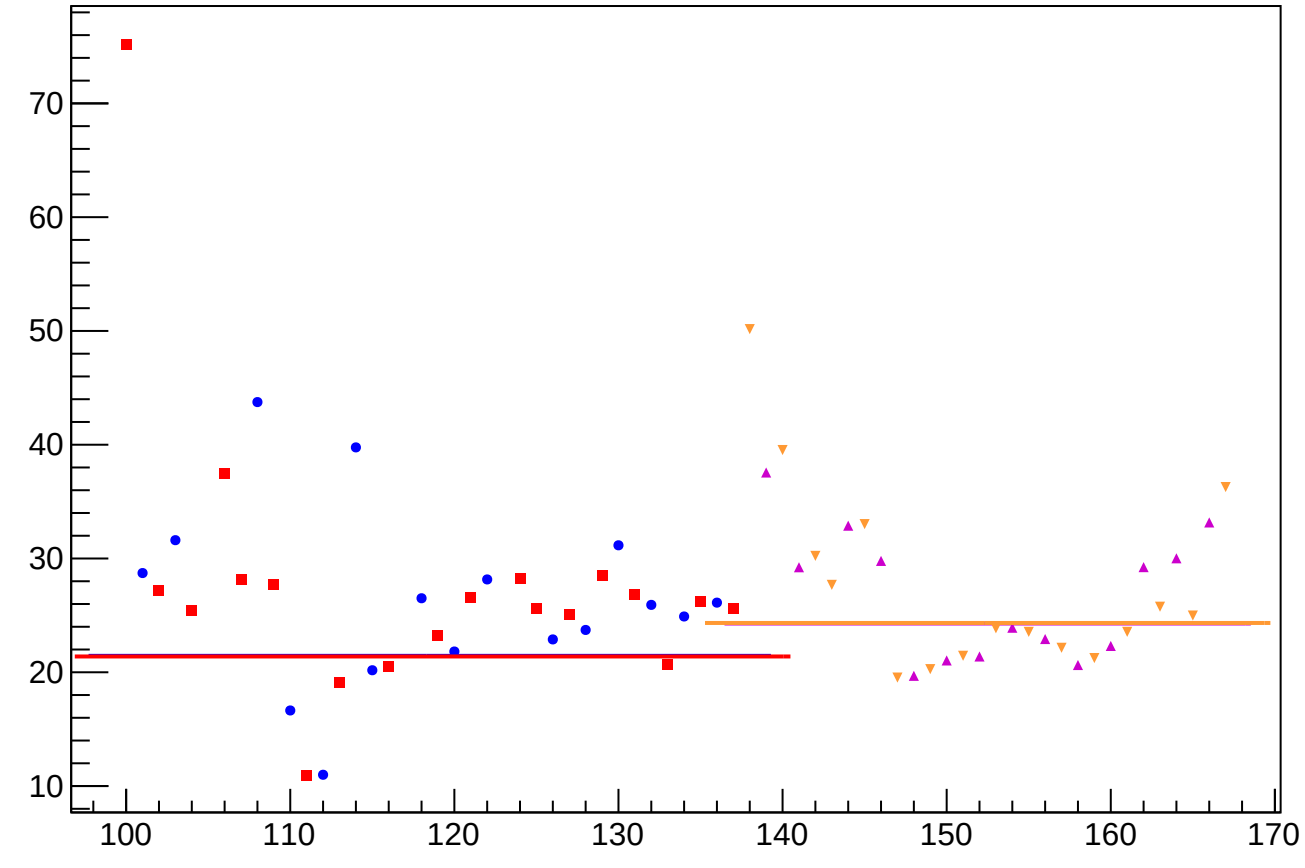
Left: -0.003+/-0.005 χ^2/NDF: 37.0/29

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:36.8/29

Out: -0.004+/-0.005 χ^2/NDF:42.9/34

All: 0.002+/-0.004 χ^2/NDF: 82.1/64



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.9/15

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.287+/-0.005 χ^2/NDF:805582.3/13

Left: 24.311+/-0.004 χ^2/NDF: 1987657.9/29

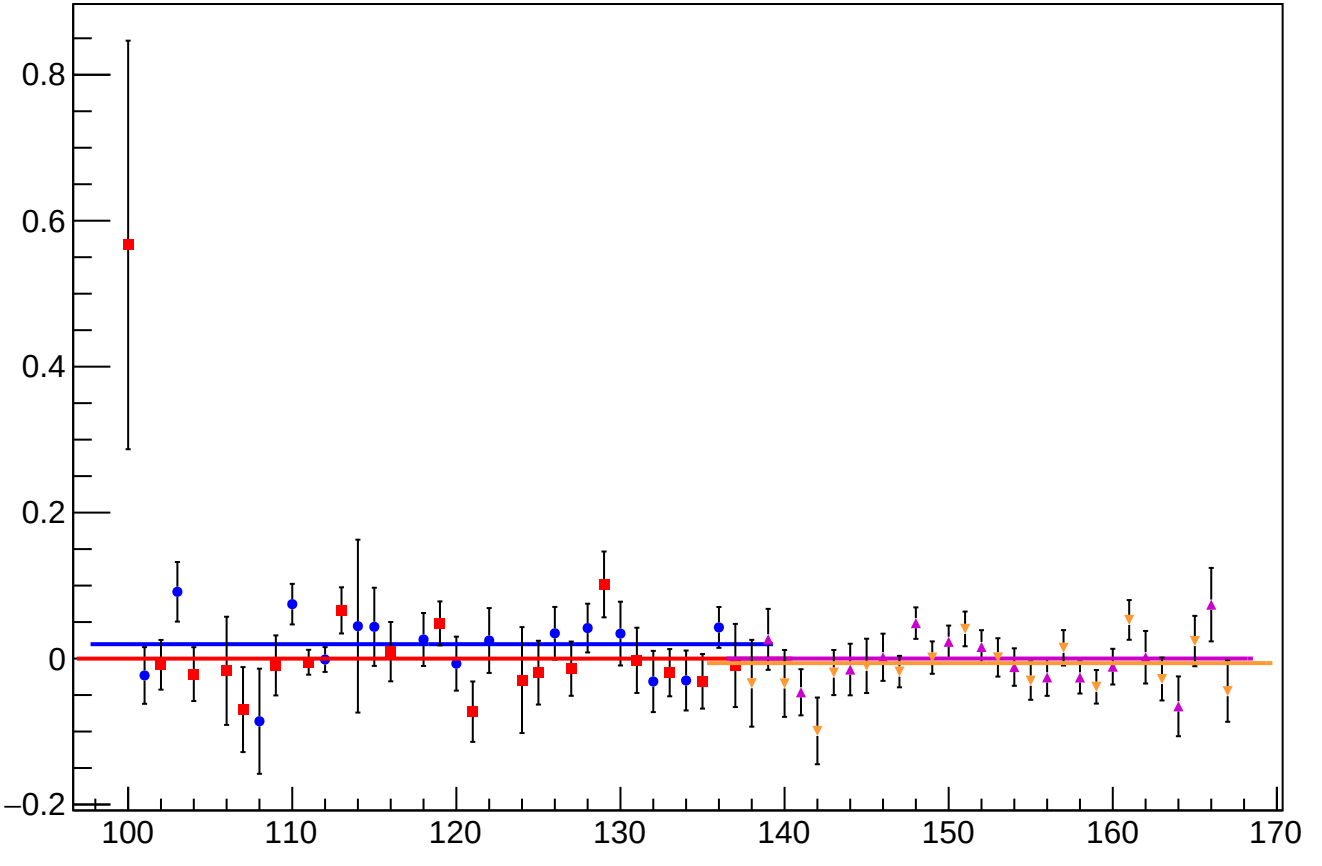
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.079+/-0.004 χ^2/NDF:2469803.6/29

Out: 23.108+/-0.004 χ^2/NDF:2634029.8/34

All: 23.094+/-0.003 χ^2/NDF: 5103860.1/64

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:19.8/15

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.007 χ^2/NDF:16.9/13

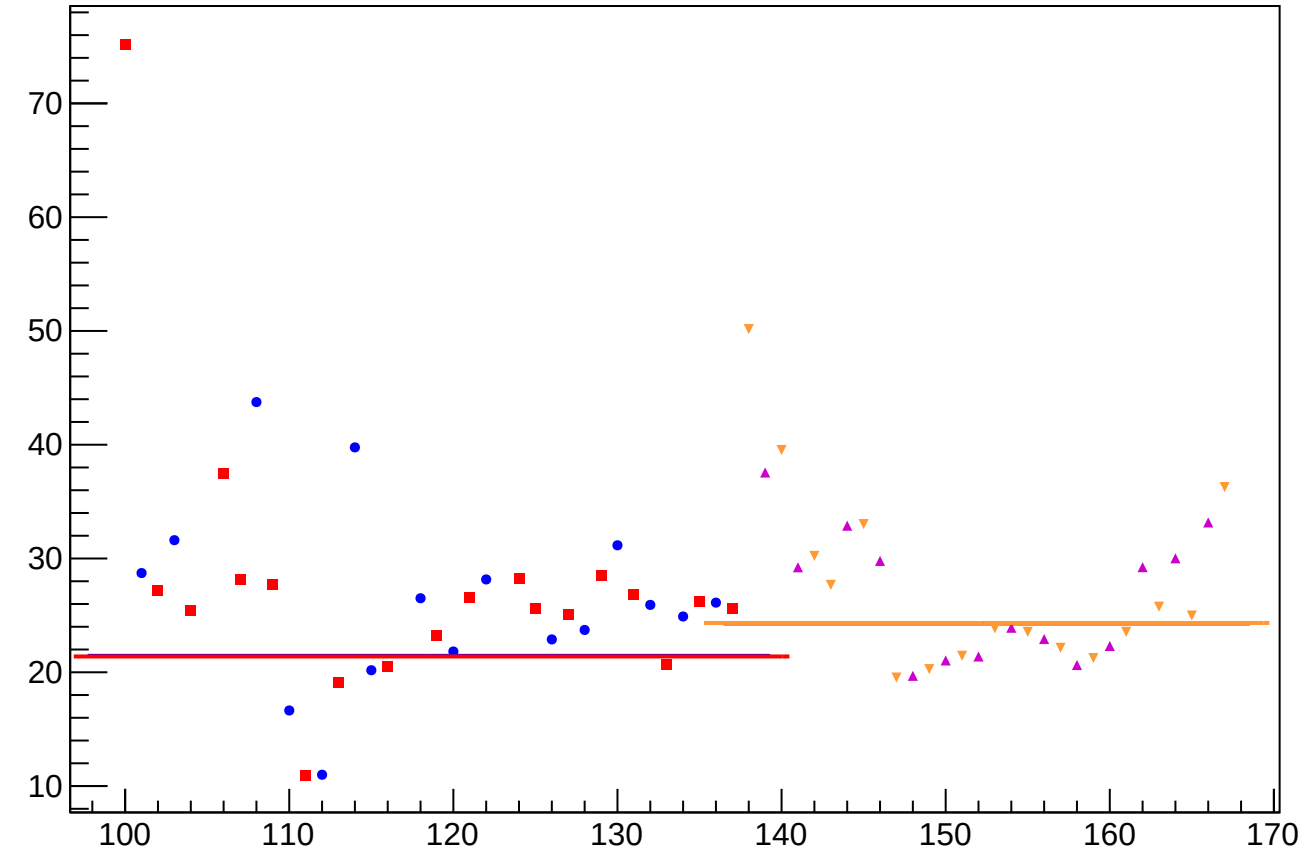
Left: -0.003+/-0.005 χ^2/NDF: 37.0/29

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:36.8/29

Out: -0.004+/-0.005 χ^2/NDF:42.9/34

All: 0.002+/-0.004 χ^2/NDF: 82.1/64



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.9/15

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.287+/-0.005 χ^2/NDF:805582.3/13

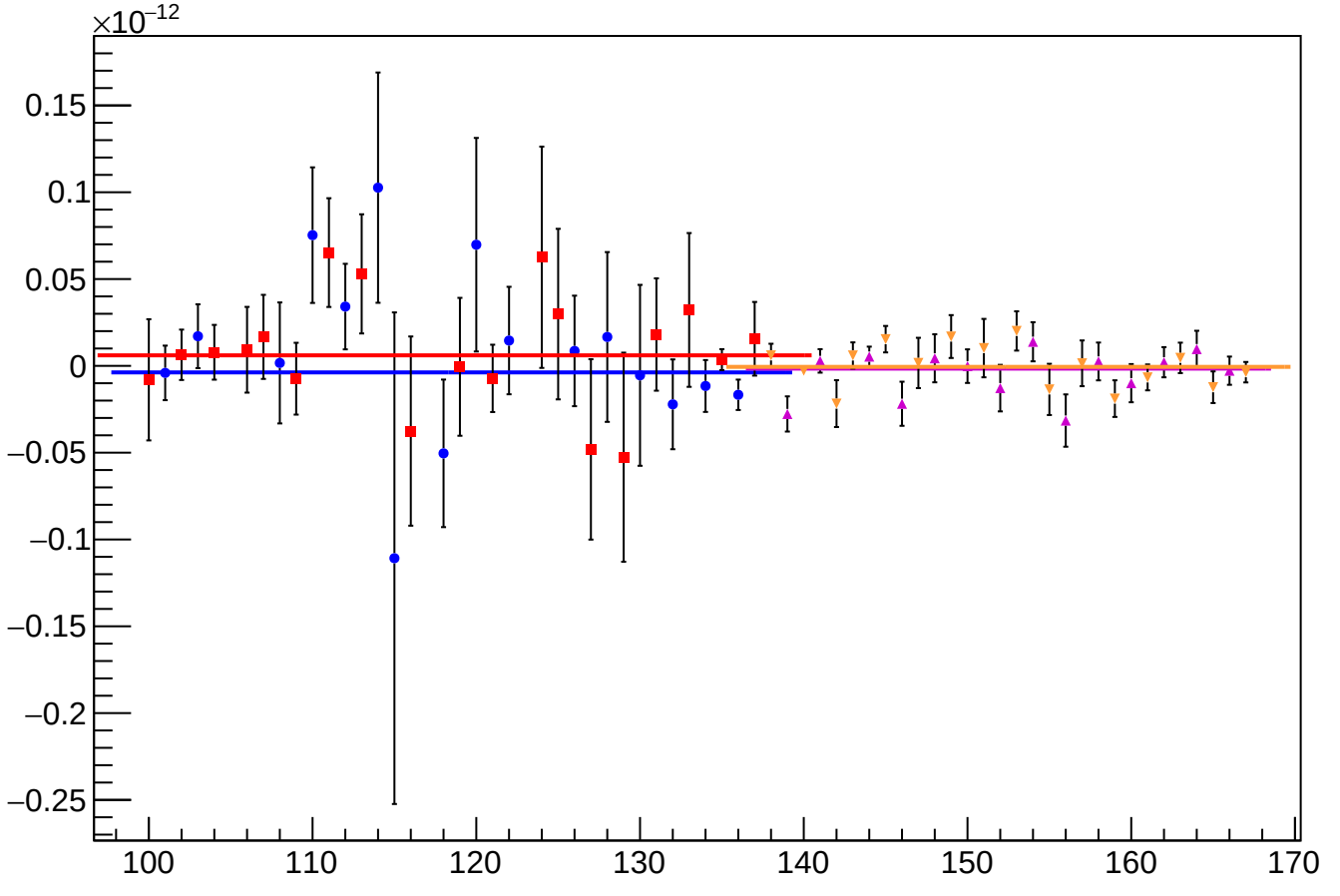
Left: 24.311+/-0.004 χ^2/NDF: 1987657.9/29

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.079+/-0.004 χ^2/NDF:2469803.6/29

Out: 23.108+/-0.004 χ^2/NDF:2634029.8/34

All: 23.094+/-0.003 χ^2/NDF: 5103860.1/64



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.9/13

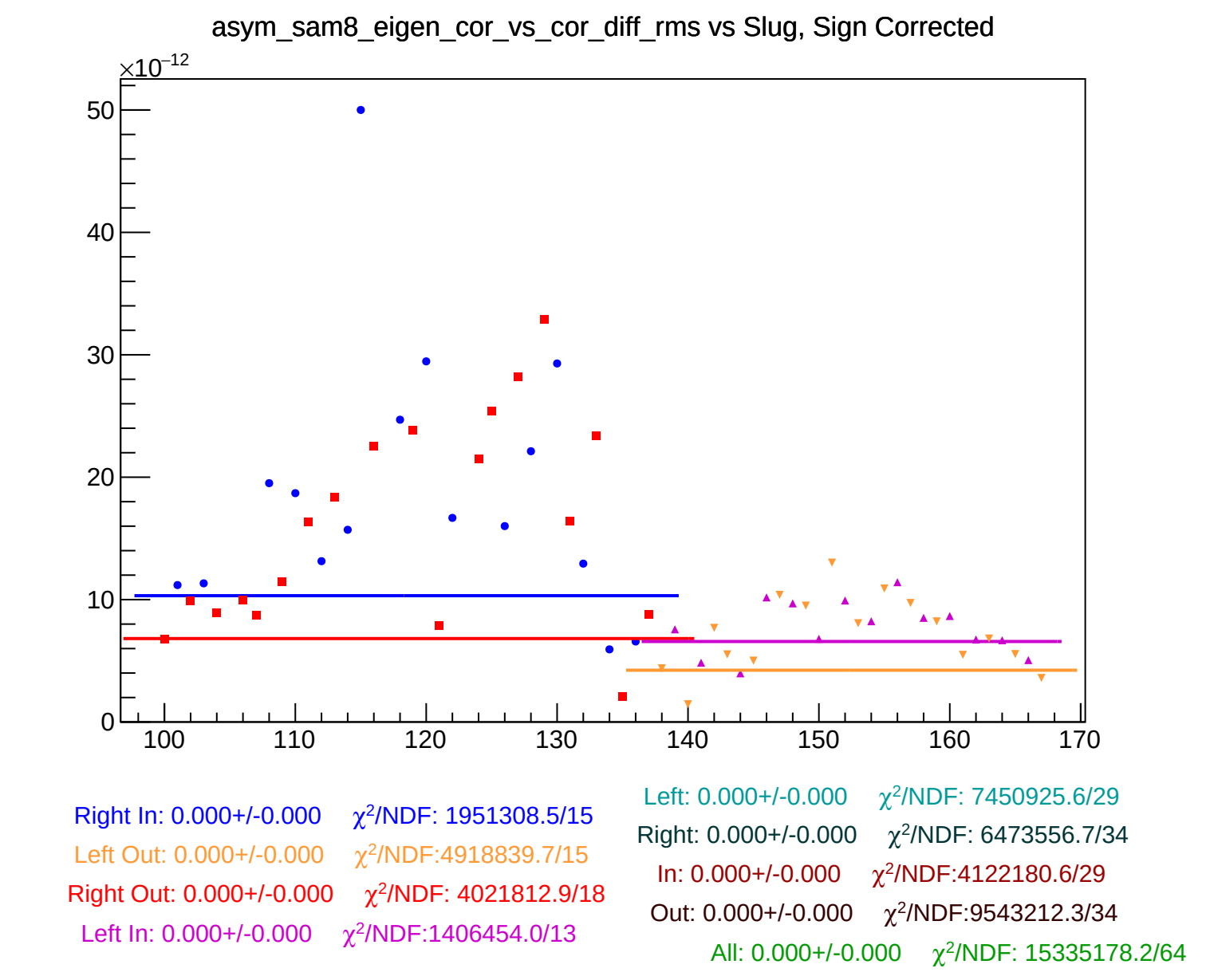
Left: -0.000+/-0.000 χ^2/NDF: 41.7/29

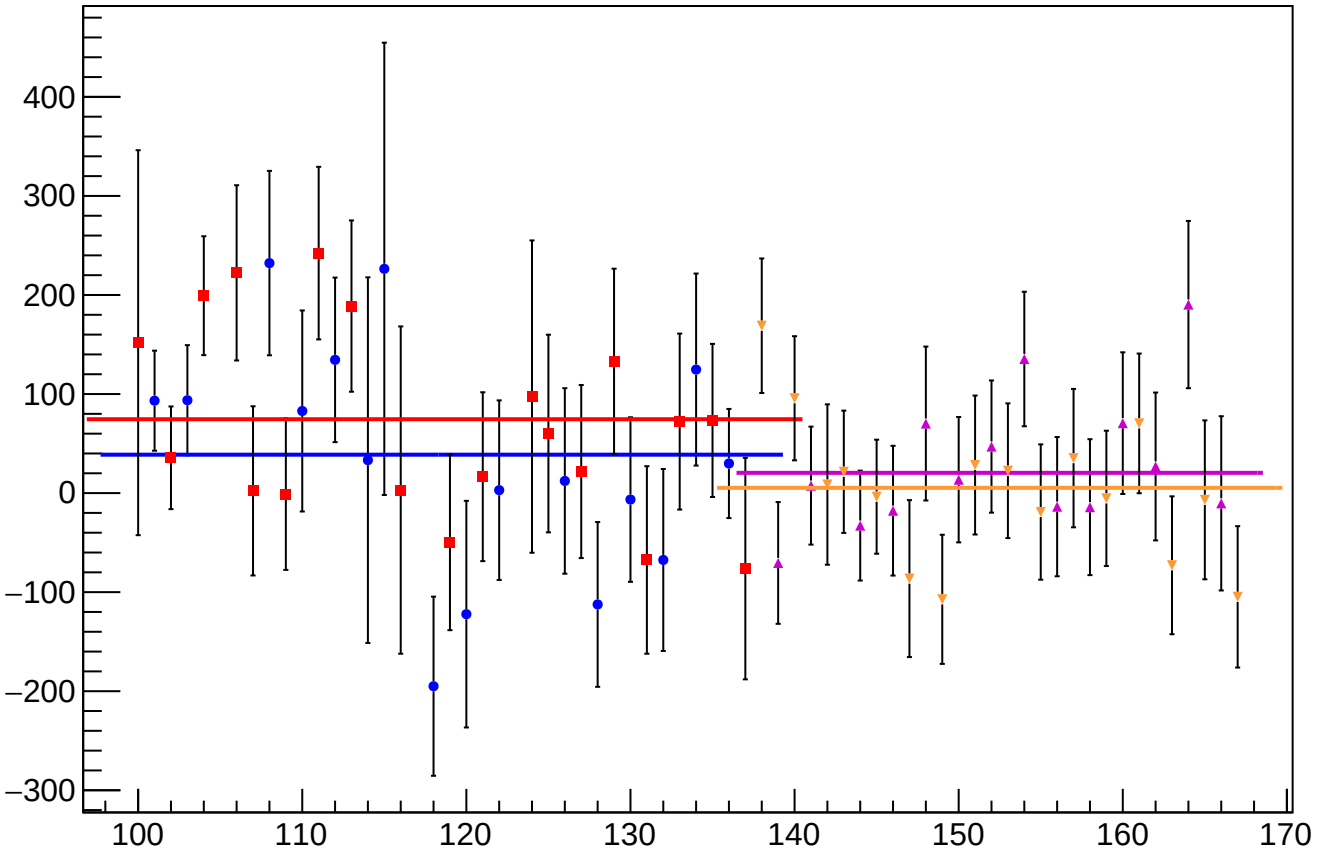
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:37.2/29

Out: 0.000+/-0.000 χ^2/NDF:35.0/34

All: -0.000+/-0.000 χ^2/NDF: 72.9/64


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4918839.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1406454.0/13
Left: 0.000+/-0.000 χ²/NDF: 7450925.6/29
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:4122180.6/29
Out: 0.000+/-0.000 χ²/NDF:9543212.3/34
All: 0.000+/-0.000 χ²/NDF: 15335178.2/64



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 5.311+/-17.162 χ^2/NDF:17.3/15

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 20.455+/-18.193 χ^2/NDF:12.1/13

Left: 12.442+/-12.484 χ^2/NDF: 29.8/29

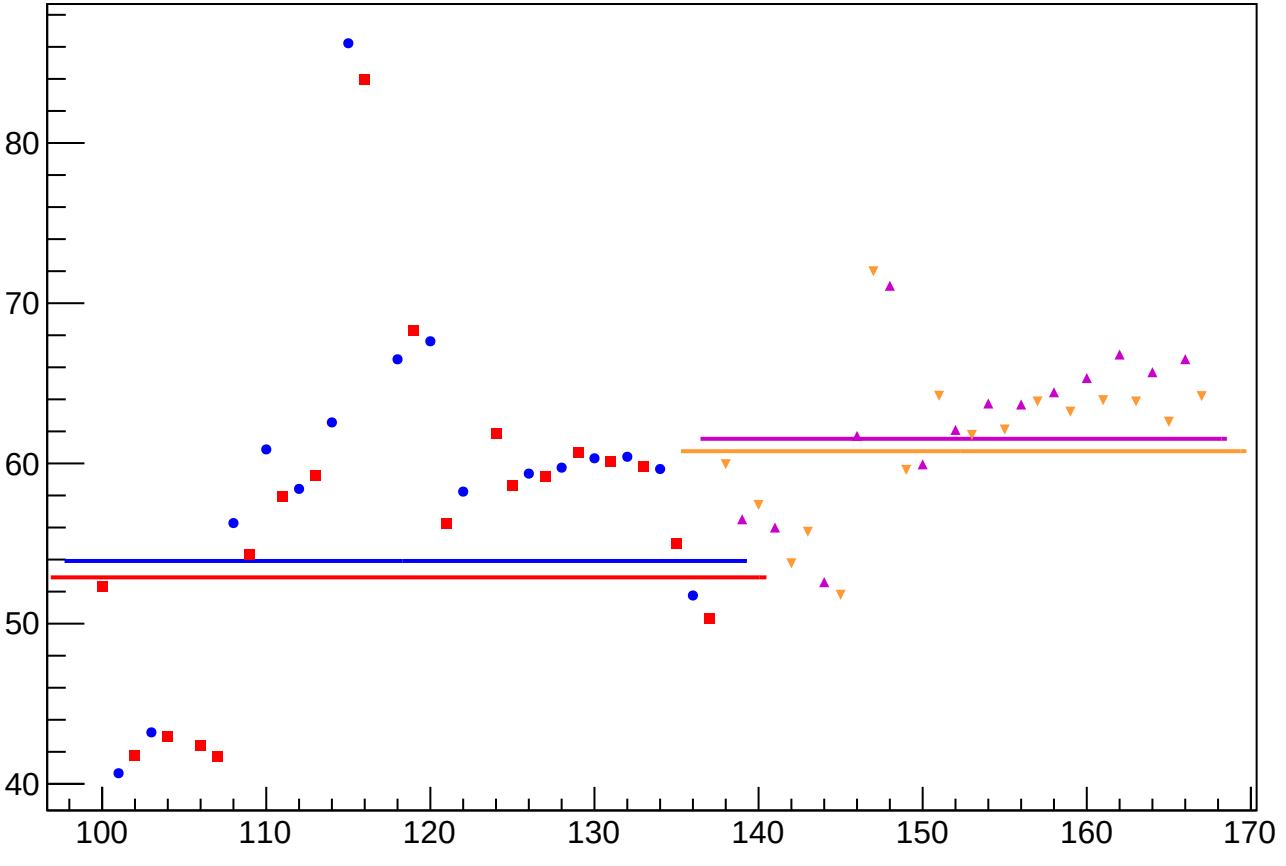
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 28.569+/-13.582 χ^2/NDF:35.9/29

Out: 35.024+/-12.969 χ^2/NDF:46.8/34

All: 31.945+/-9.380 χ^2/NDF: 82.7/64

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.765+/-0.012 χ^2/NDF:149915.6/15

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.537+/-0.013 χ^2/NDF:148648.5/13

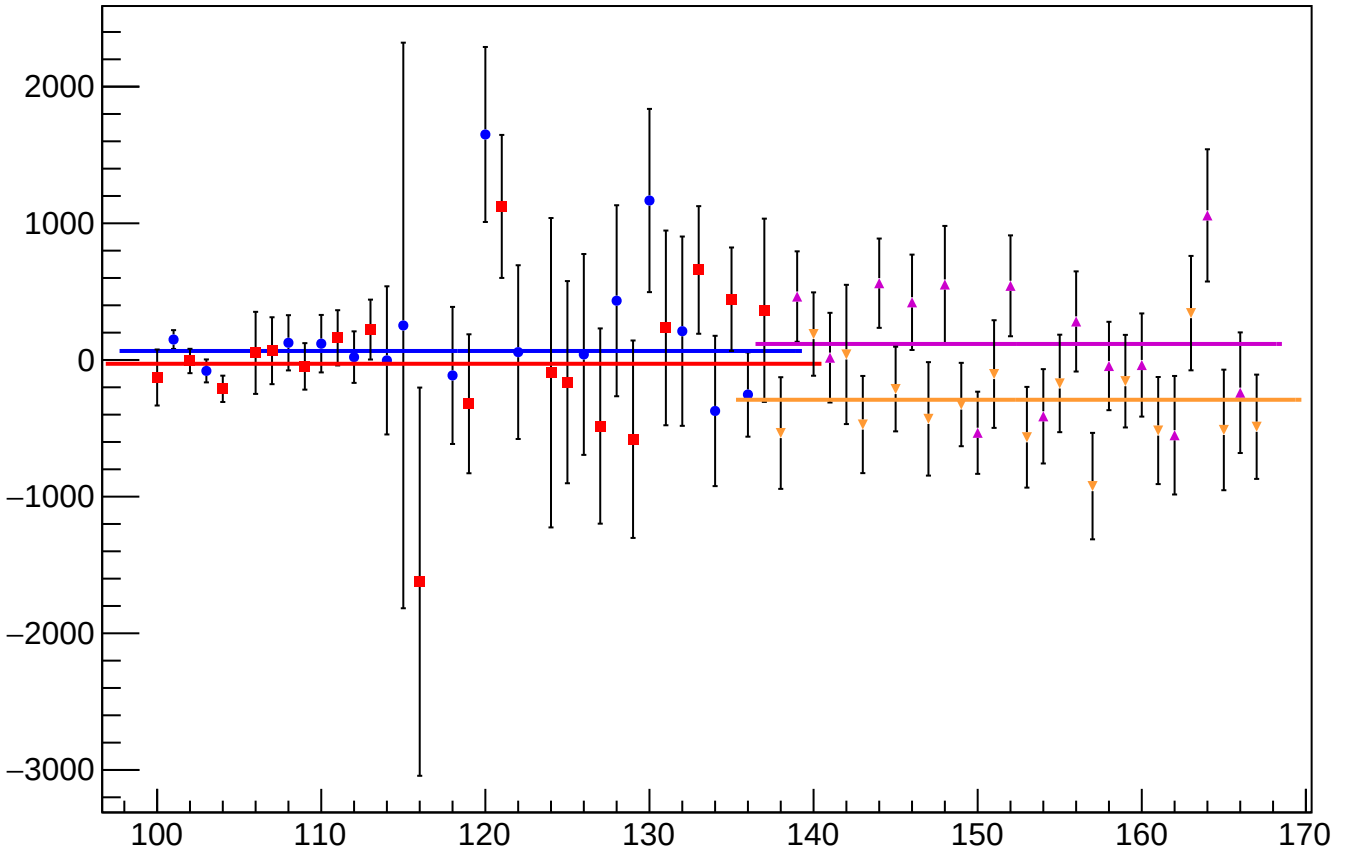
Left: 61.128+/-0.009 χ^2/NDF: 300470.4/29

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 58.161+/-0.010 χ^2/NDF:697416.3/29

Out: 57.386+/-0.009 χ^2/NDF:755808.5/34

All: 57.756+/-0.007 χ^2/NDF: 1456632.6/64



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -291.169+/-92.575 χ^2/NDF:10.5/15

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 117.235+/-96.672 χ^2/NDF:20.6/13

Left: -95.806+/-66.862 χ^2/NDF: 40.5/29

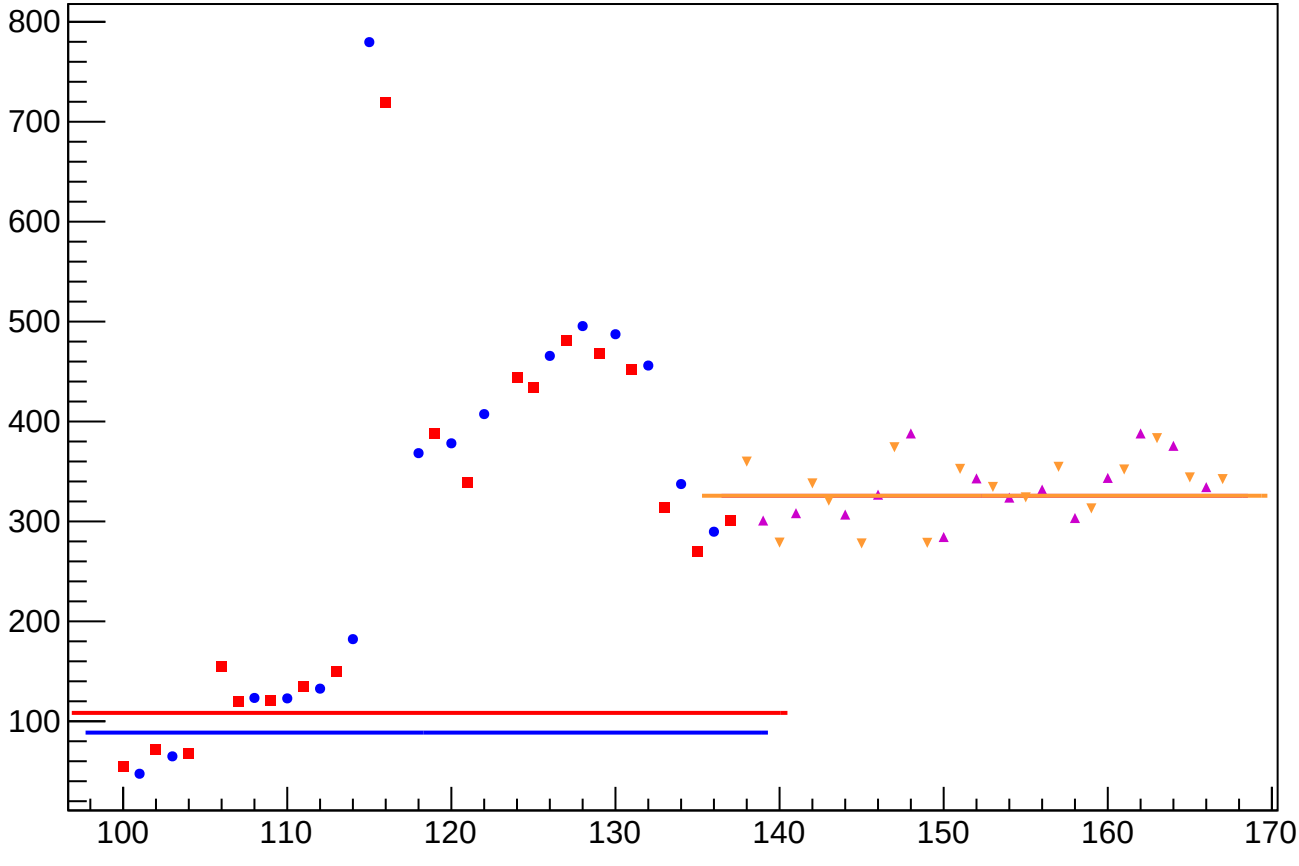
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 75.500+/-41.889 χ^2/NDF:36.5/29

Out: -87.853+/-44.191 χ^2/NDF:34.8/34

All: -1.810+/-30.401 χ^2/NDF: 78.5/64

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 325.713+/-0.065 χ^2/NDF:263905.7/15

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 325.585+/-0.068 χ^2/NDF:186079.5/13

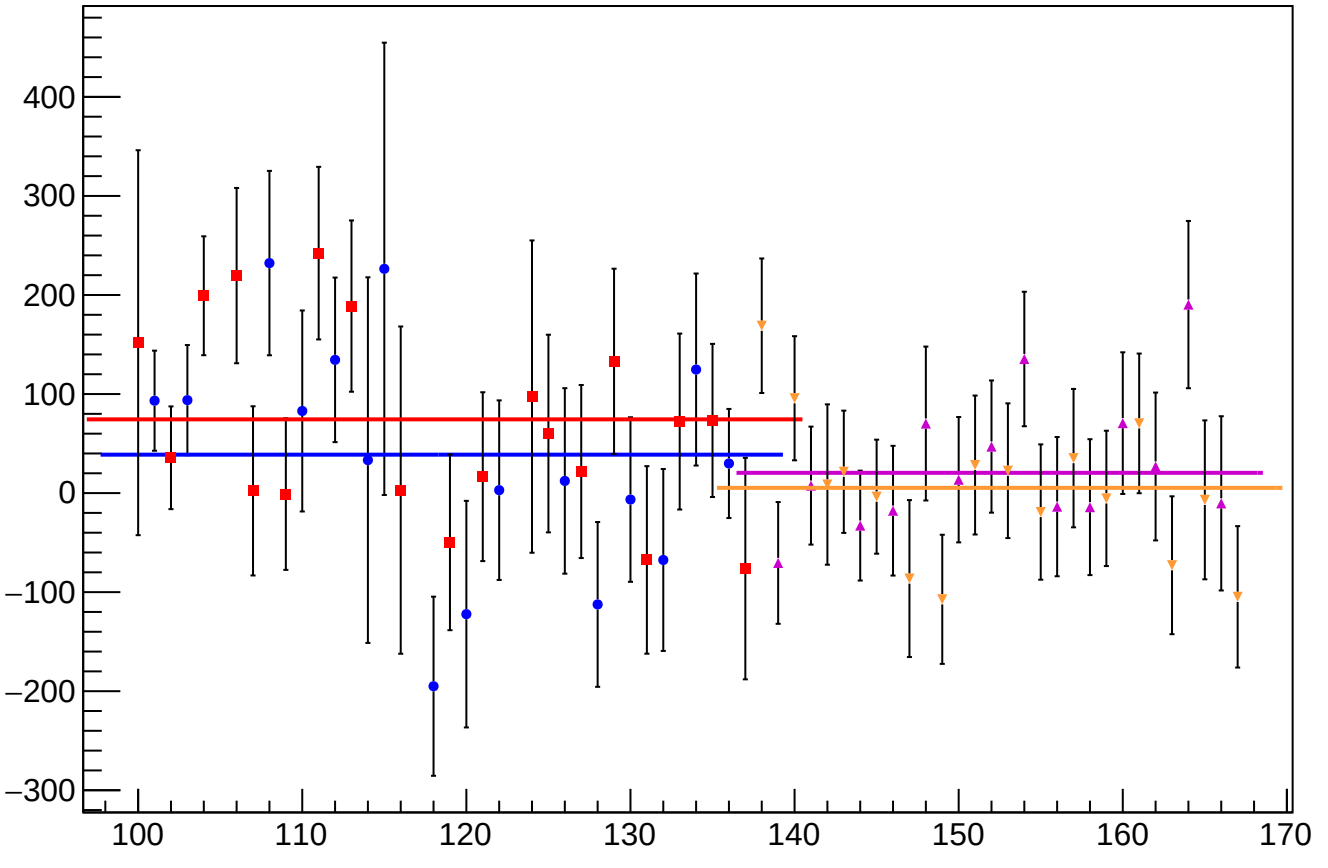
Left: 325.651+/-0.047 χ^2/NDF: 449987.0/29

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 133.142+/-0.030 χ^2/NDF:16591713.9/29

Out: 157.908+/-0.031 χ^2/NDF:14137444.4/34

All: 144.863+/-0.021 χ^2/NDF: 31060042.6/64



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 5.313+/-17.162 χ^2/NDF:17.3/15

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 20.454+/-18.193 χ^2/NDF:12.1/13

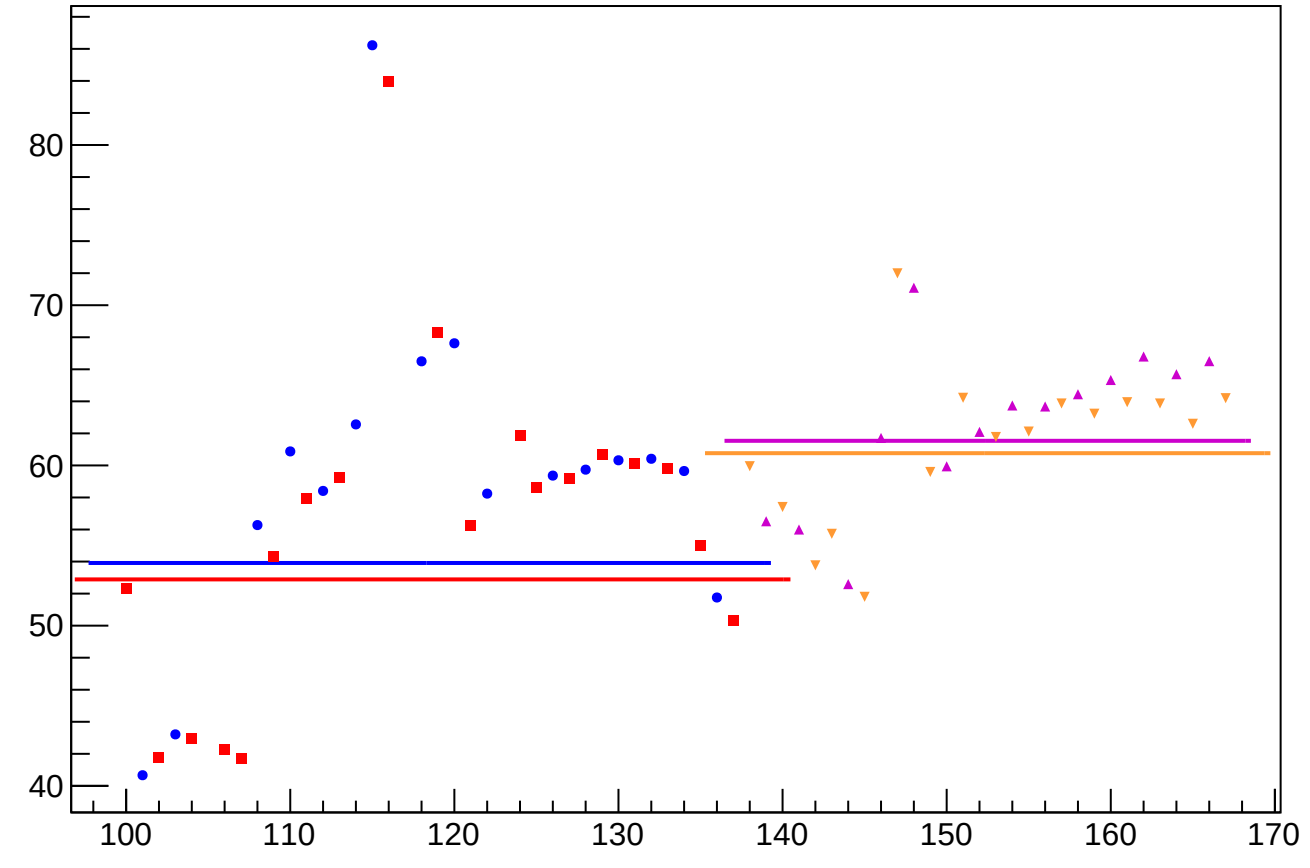
Left: 12.442+/-12.484 χ^2/NDF: 29.8/29

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 28.573+/-13.582 χ^2/NDF:35.9/29

Out: 34.964+/-12.970 χ^2/NDF:46.6/34

All: 31.916+/-9.380 χ^2/NDF: 82.6/64



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.765+/-0.012 χ^2/NDF:149915.6/15

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.537+/-0.013 χ^2/NDF:148648.5/13

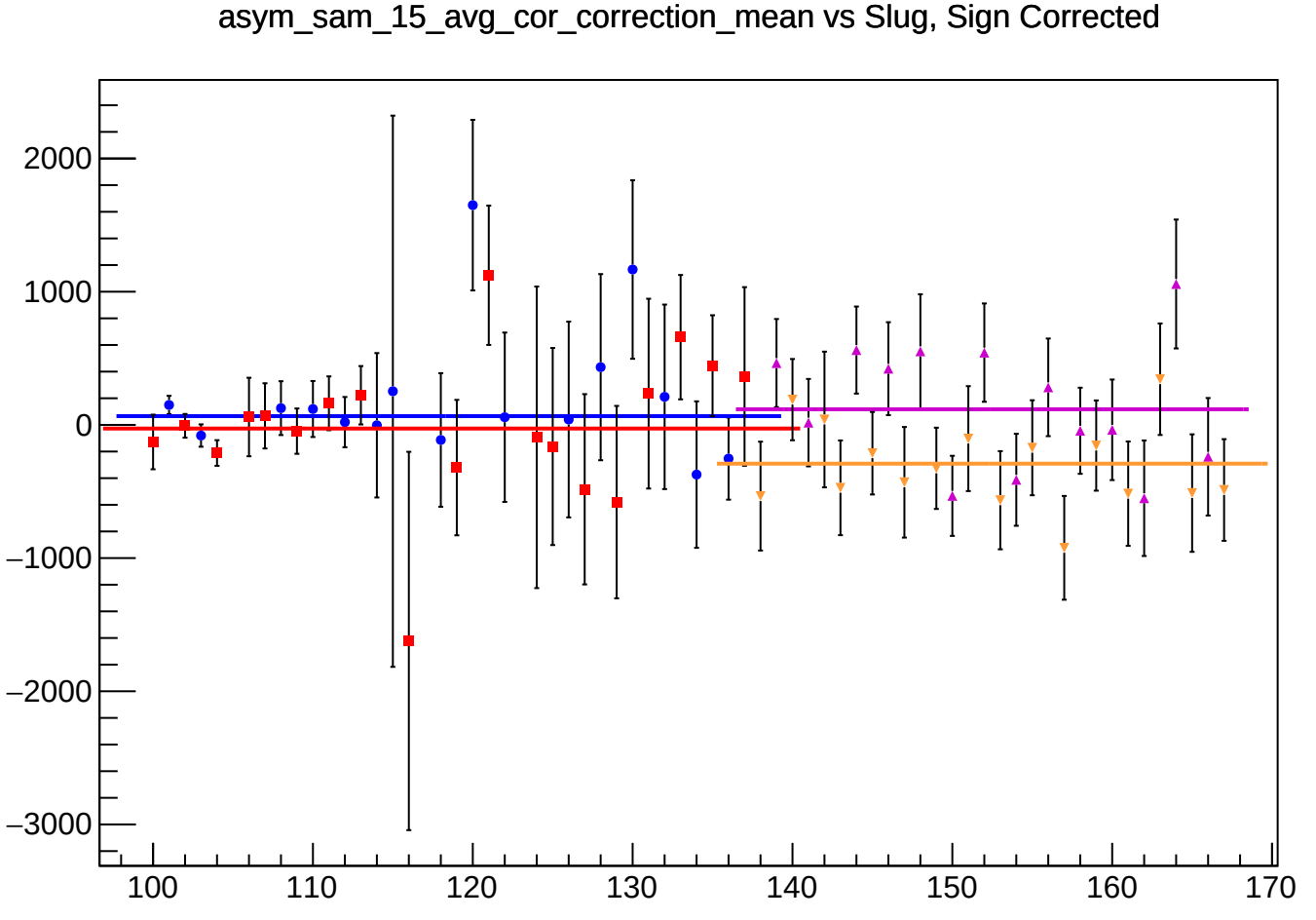
Left: 61.128+/-0.009 χ^2/NDF: 300470.4/29

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.161+/-0.010 χ^2/NDF:697415.4/29

Out: 57.386+/-0.009 χ^2/NDF:756204.4/34

All: 57.756+/-0.007 χ^2/NDF: 1457033.6/64



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -291.167+/-92.575 χ^2/NDF:10.5/15

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 117.234+/-96.672 χ^2/NDF:20.6/13

Left: -95.805+/-66.862 χ^2/NDF: 40.5/29

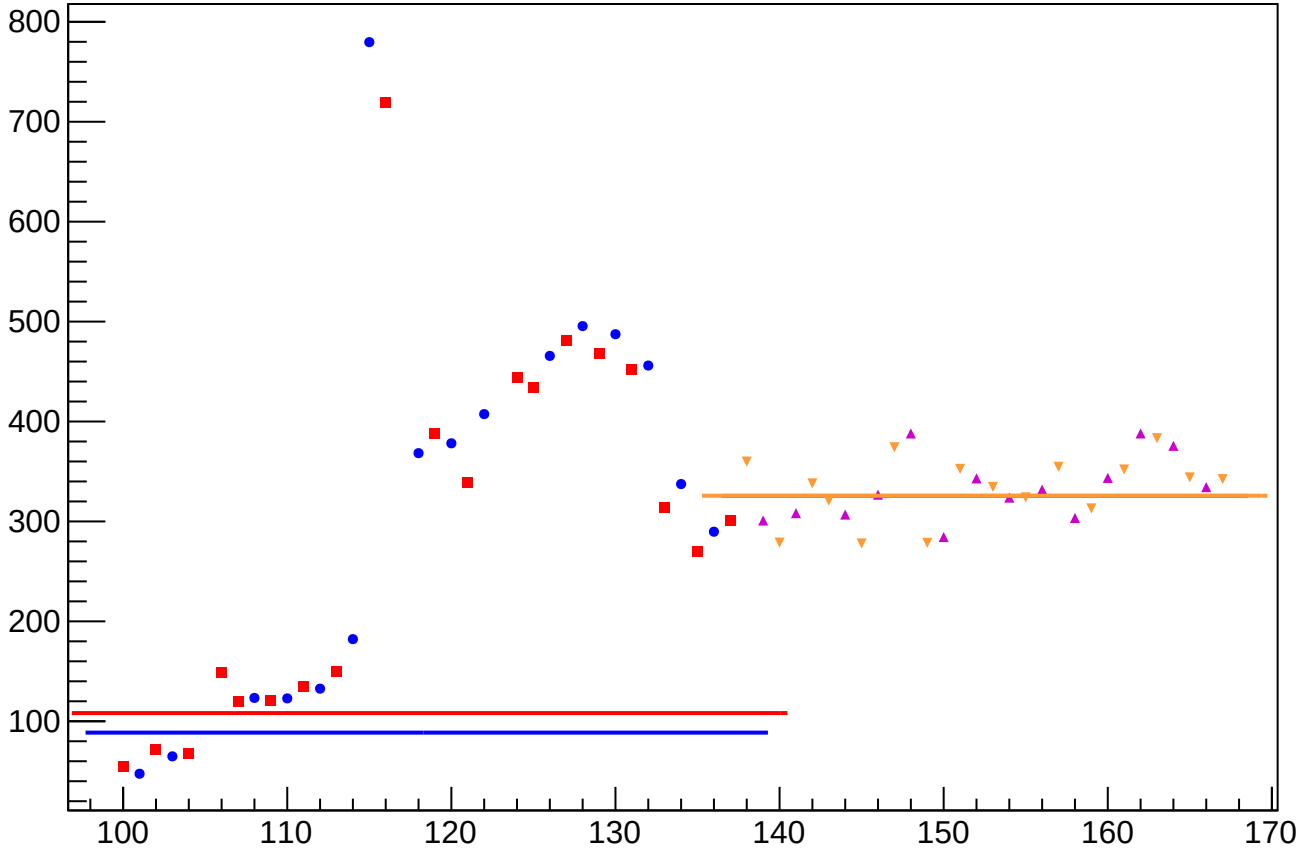
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 75.503+/-41.888 χ^2/NDF:36.5/29

Out: -87.430+/-44.162 χ^2/NDF:34.8/34

All: -1.660+/-30.391 χ^2/NDF: 78.5/64

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 325.713+/-0.065 χ^2/NDF:263904.5/15

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.584+/-0.068 χ^2/NDF:186083.9/13

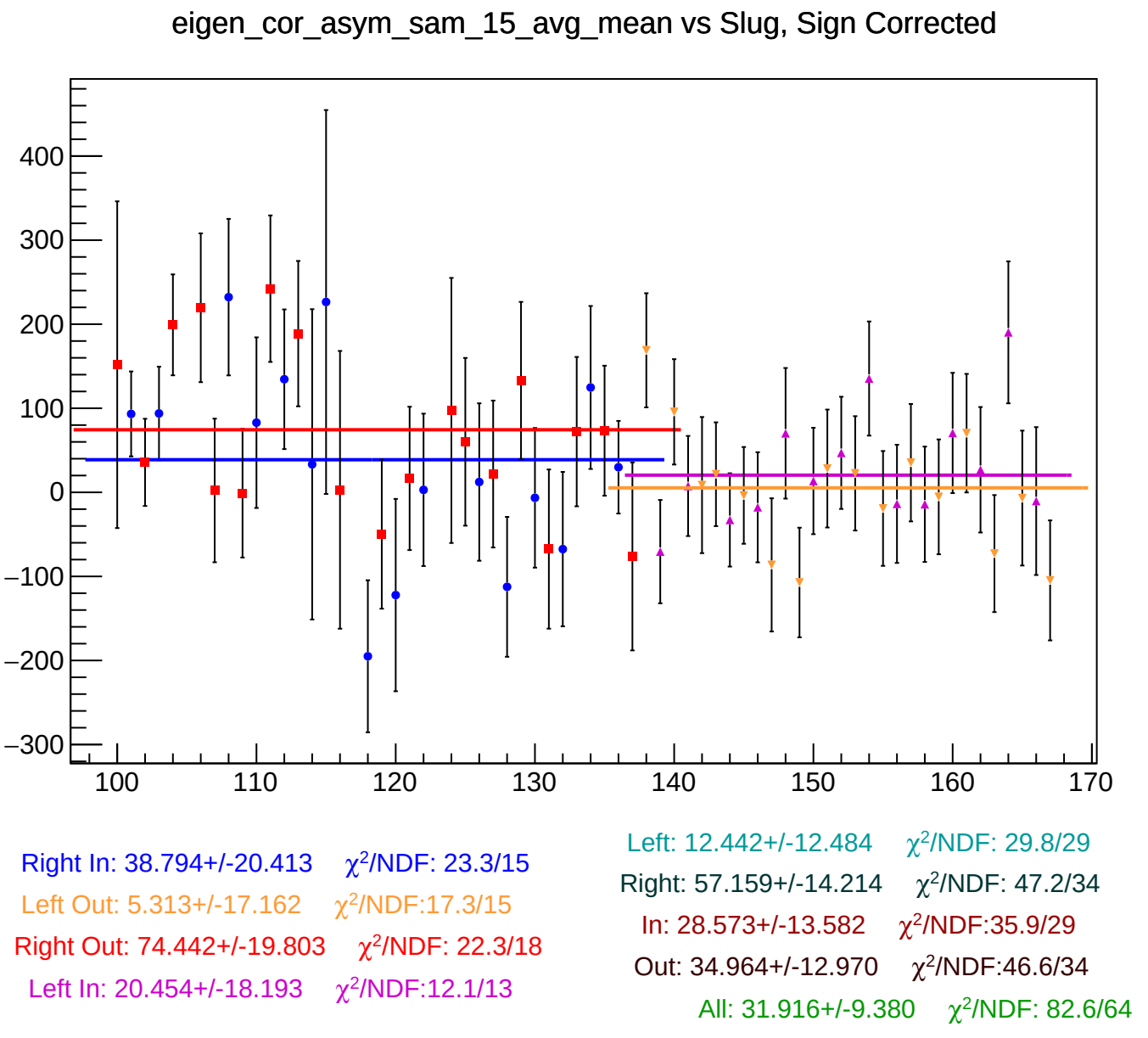
Left: 325.651+/-0.047 χ^2/NDF: 449990.3/29

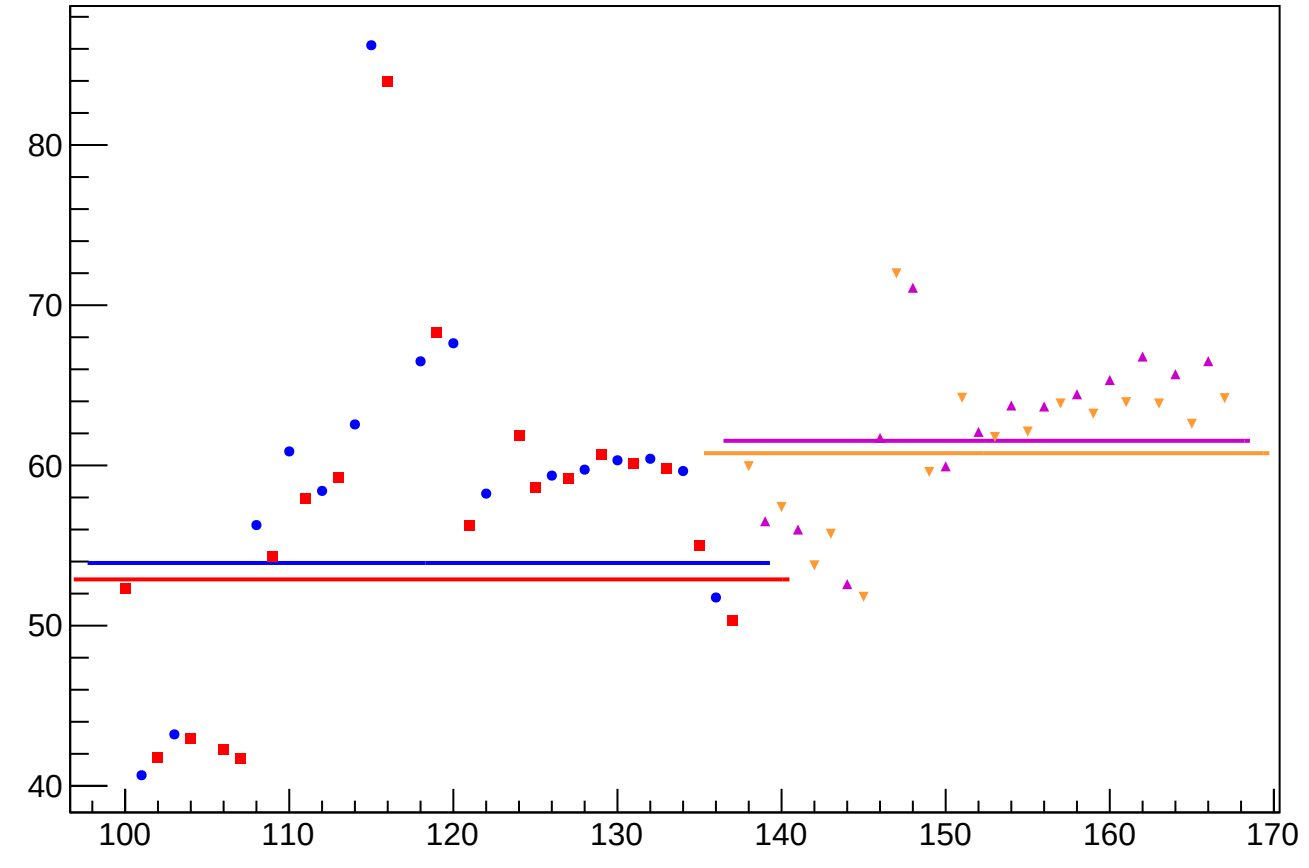
Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 133.138+/-0.030 χ^2/NDF:16592079.3/29

Out: 157.705+/-0.031 χ^2/NDF:14146765.6/34

All: 144.773+/-0.021 χ^2/NDF: 31064655.9/64


eigen_cor_asym_sam_15_avg_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 38.794+/-20.413 χ²/NDF: 23.3/15
Left Out: 5.313+/-17.162 χ²/NDF:17.3/15
Right Out: 74.442+/-19.803 χ²/NDF: 22.3/18
Left In: 20.454+/-18.193 χ²/NDF:12.1/13
Left: 12.442+/-12.484 χ²/NDF: 29.8/29
Right: 57.159+/-14.214 χ²/NDF: 47.2/34
In: 28.573+/-13.582 χ²/NDF:35.9/29
Out: 34.964+/-12.970 χ²/NDF:46.6/34
All: 31.916+/-9.380 χ²/NDF: 82.6/64



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.765+/-0.012 χ^2/NDF:149915.6/15

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.537+/-0.013 χ^2/NDF:148648.5/13

Left: 61.128+/-0.009 χ^2/NDF: 300470.4/29

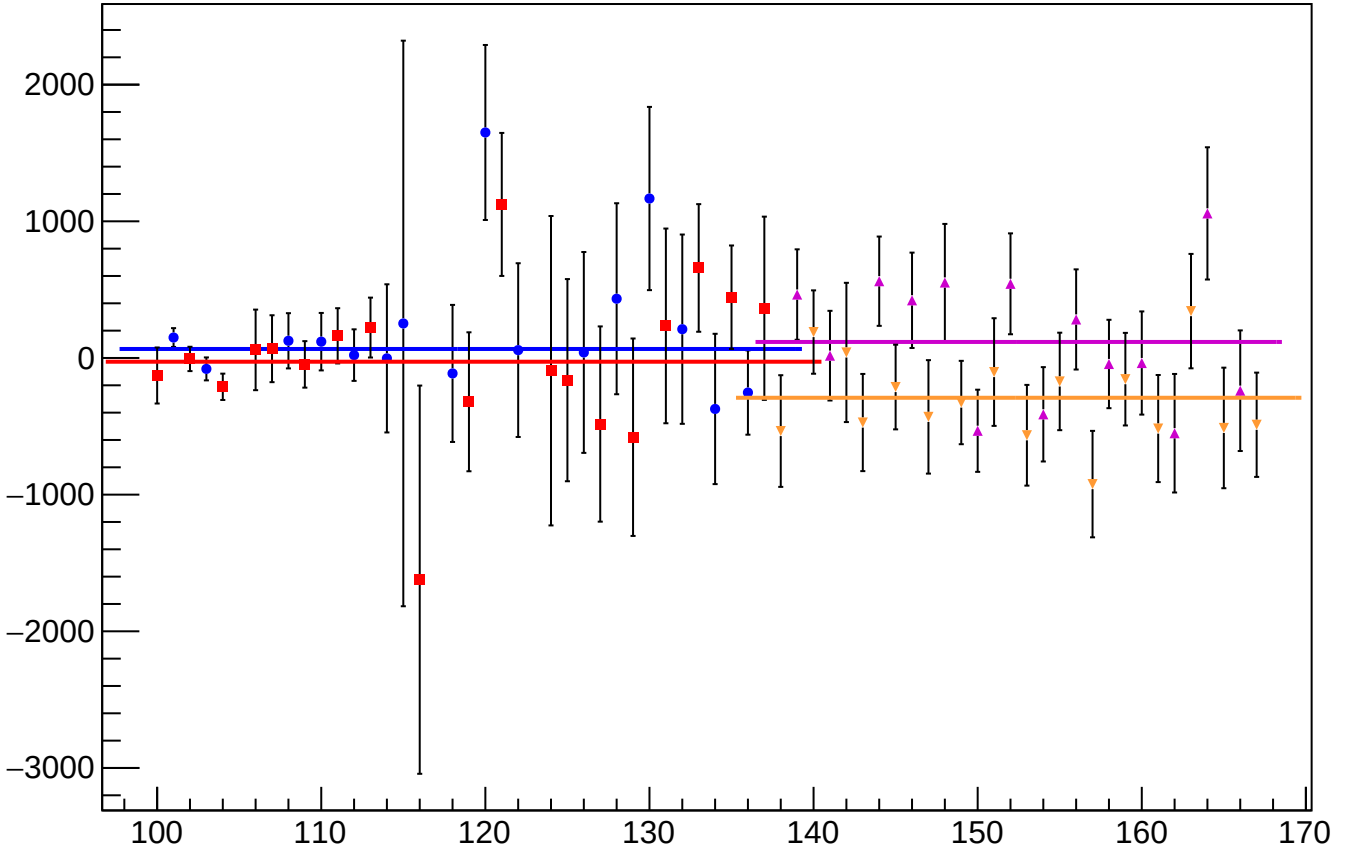
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.161+/-0.010 χ^2/NDF:697415.4/29

Out: 57.386+/-0.009 χ^2/NDF:756204.4/34

All: 57.756+/-0.007 χ^2/NDF: 1457033.6/64

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -291.167+/-92.575 χ^2/NDF:10.5/15

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 117.234+/-96.672 χ^2/NDF:20.6/13

Left: -95.805+/-66.862 χ^2/NDF: 40.5/29

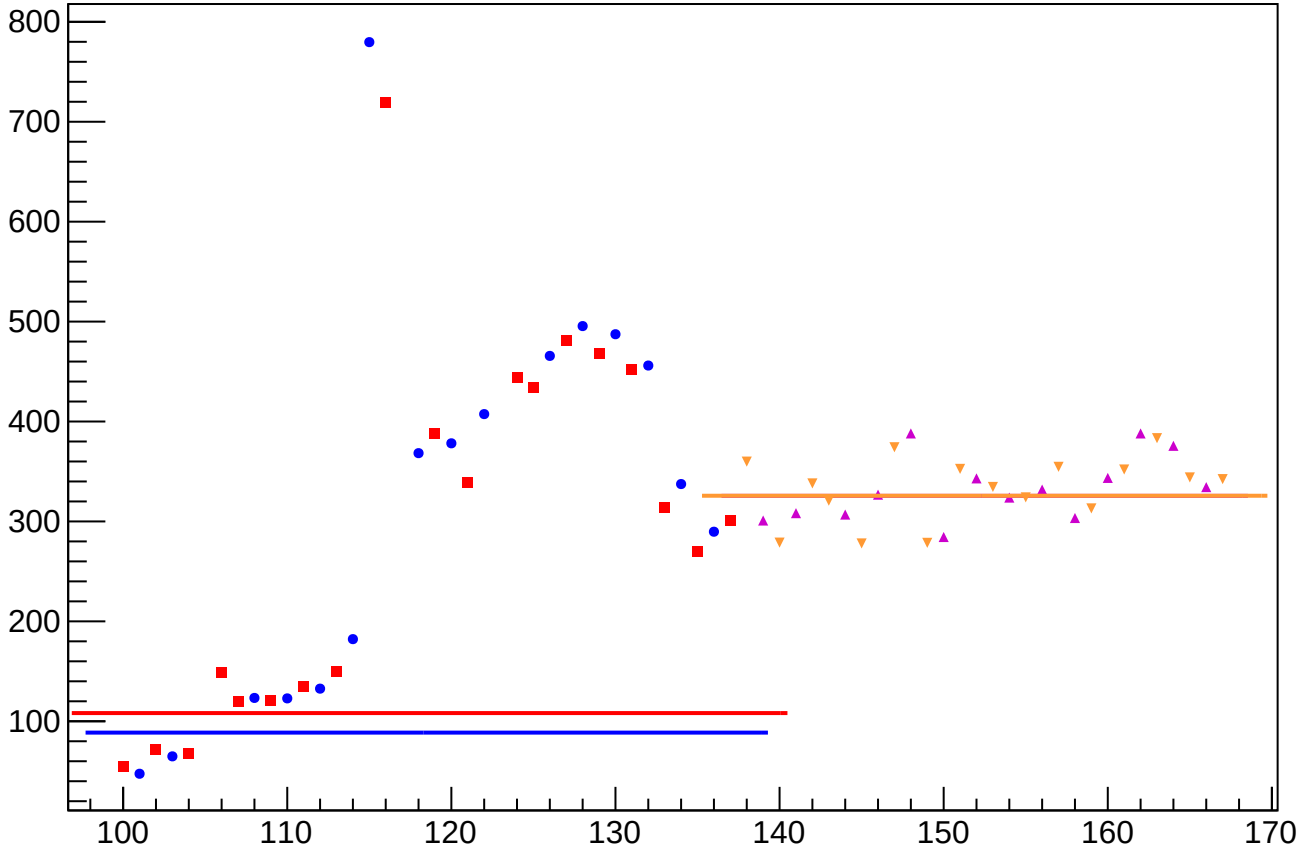
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 75.503+/-41.888 χ^2/NDF:36.5/29

Out: -87.430+/-44.162 χ^2/NDF:34.8/34

All: -1.660+/-30.391 χ^2/NDF: 78.5/64

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 325.713+/-0.065 χ^2/NDF:263904.5/15

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.584+/-0.068 χ^2/NDF:186083.9/13

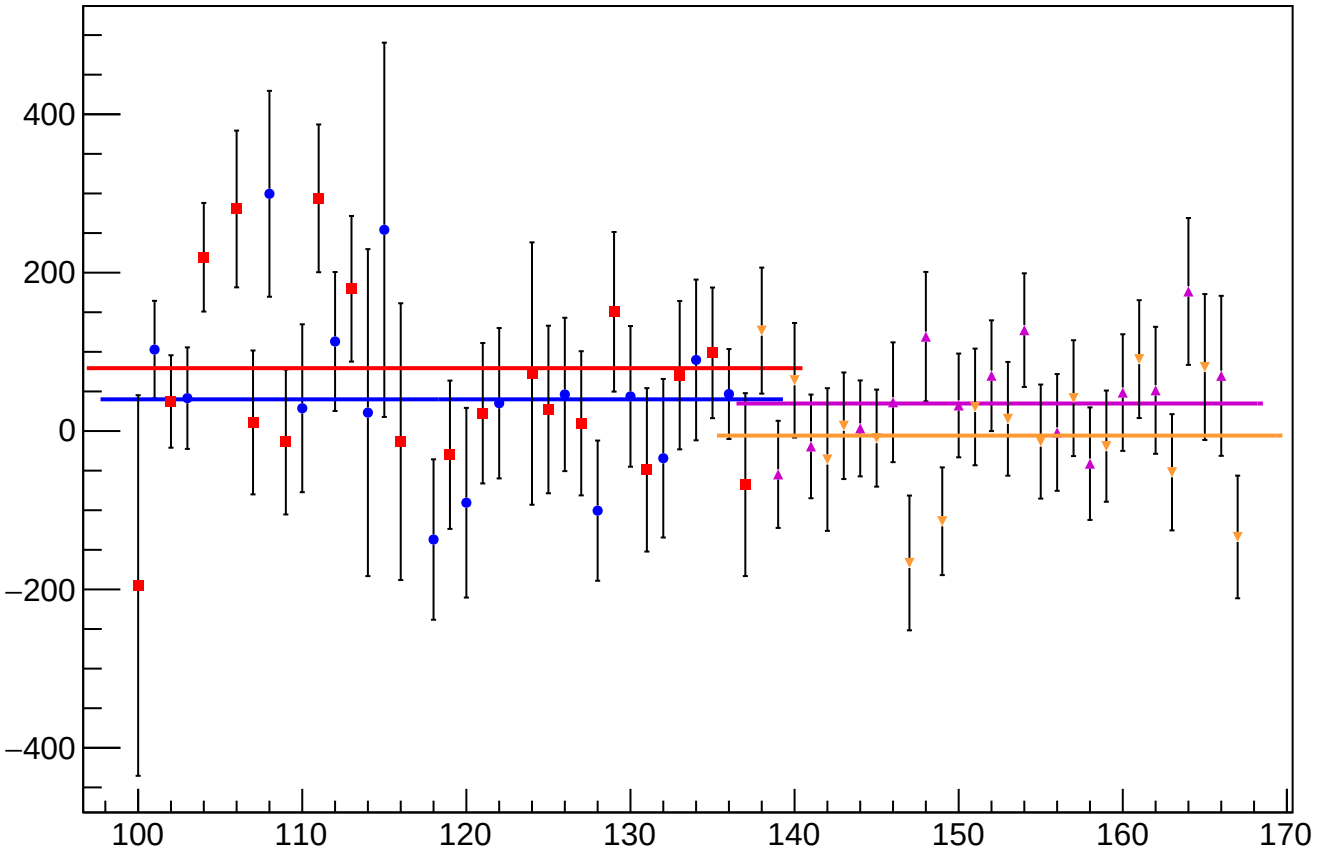
Left: 325.651+/-0.047 χ^2/NDF: 449990.3/29

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 133.138+/-0.030 χ^2/NDF:16592079.3/29

Out: 157.705+/-0.031 χ^2/NDF:14146765.6/34

All: 144.773+/-0.021 χ^2/NDF: 31064655.9/64



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -5.741+/-18.488 χ^2/NDF:16.4/15

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 34.764+/-19.548 χ^2/NDF:9.6/13

Left: 13.383+/-13.432 χ^2/NDF: 28.3/29

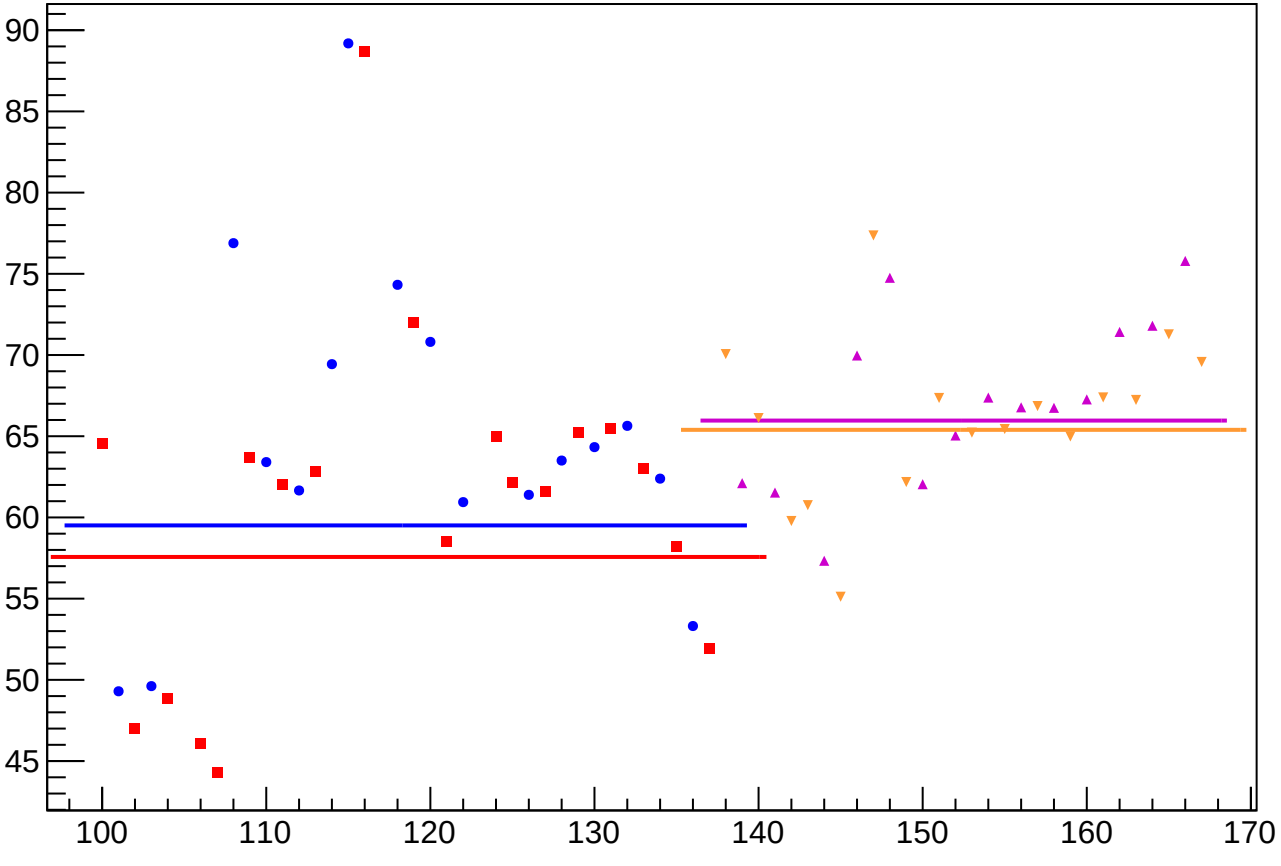
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 37.027+/-14.761 χ^2/NDF:23.8/29

Out: 30.294+/-14.039 χ^2/NDF:50.2/34

All: 33.492+/-10.173 χ^2/NDF: 74.1/64

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.393+/-0.013 χ^2/NDF:143628.3/15

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 65.964+/-0.014 χ^2/NDF:130547.0/13

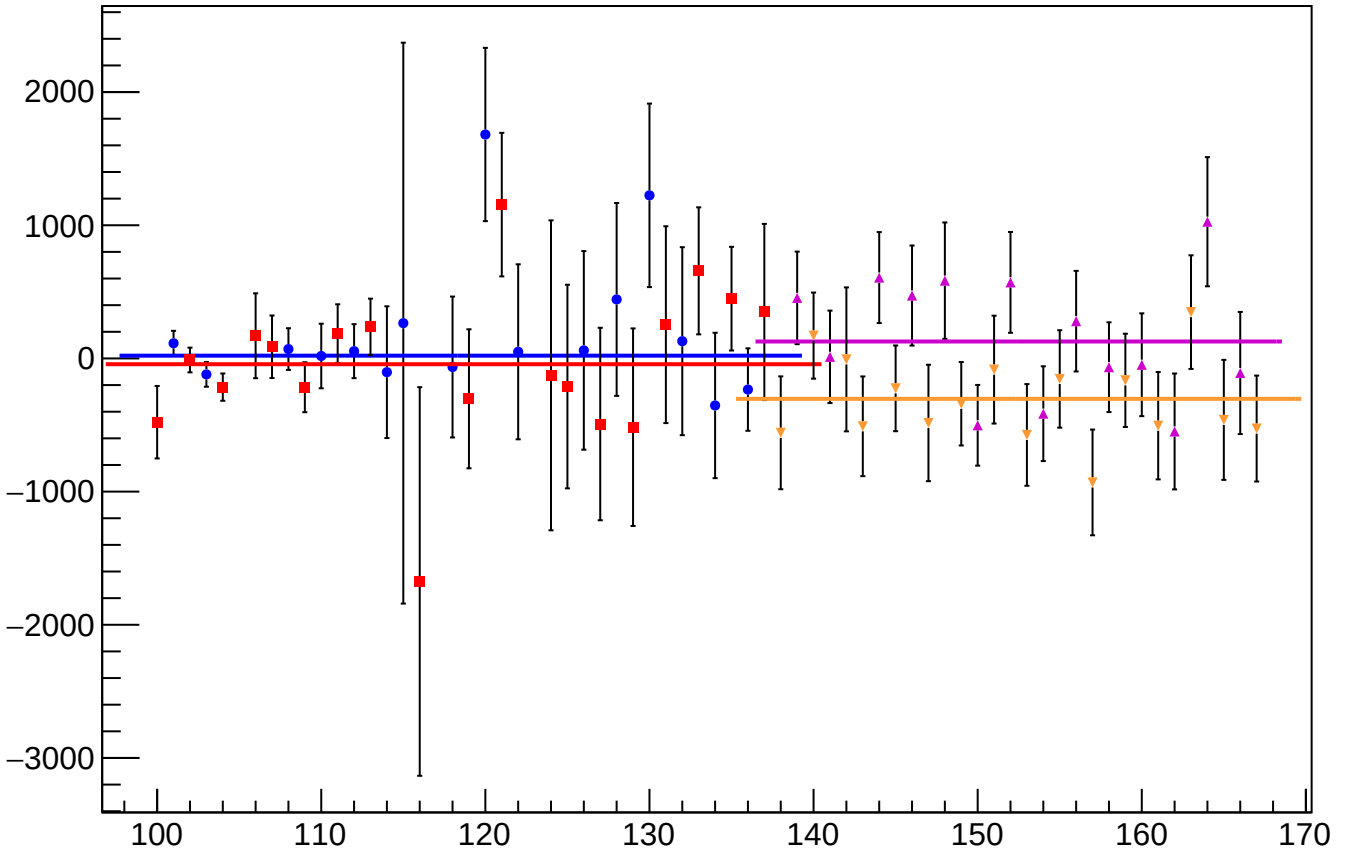
Left: 65.663+/-0.009 χ^2/NDF: 275075.3/29

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 63.189+/-0.010 χ^2/NDF:507481.3/29

Out: 62.080+/-0.010 χ^2/NDF:642739.2/34

All: 62.607+/-0.007 χ^2/NDF: 1156152.7/64



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -303.453+/-95.959 χ^2/NDF:10.0/15

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 127.184+/-99.974 χ^2/NDF:19.7/13

Left: -96.954+/-69.229 χ^2/NDF: 39.4/29

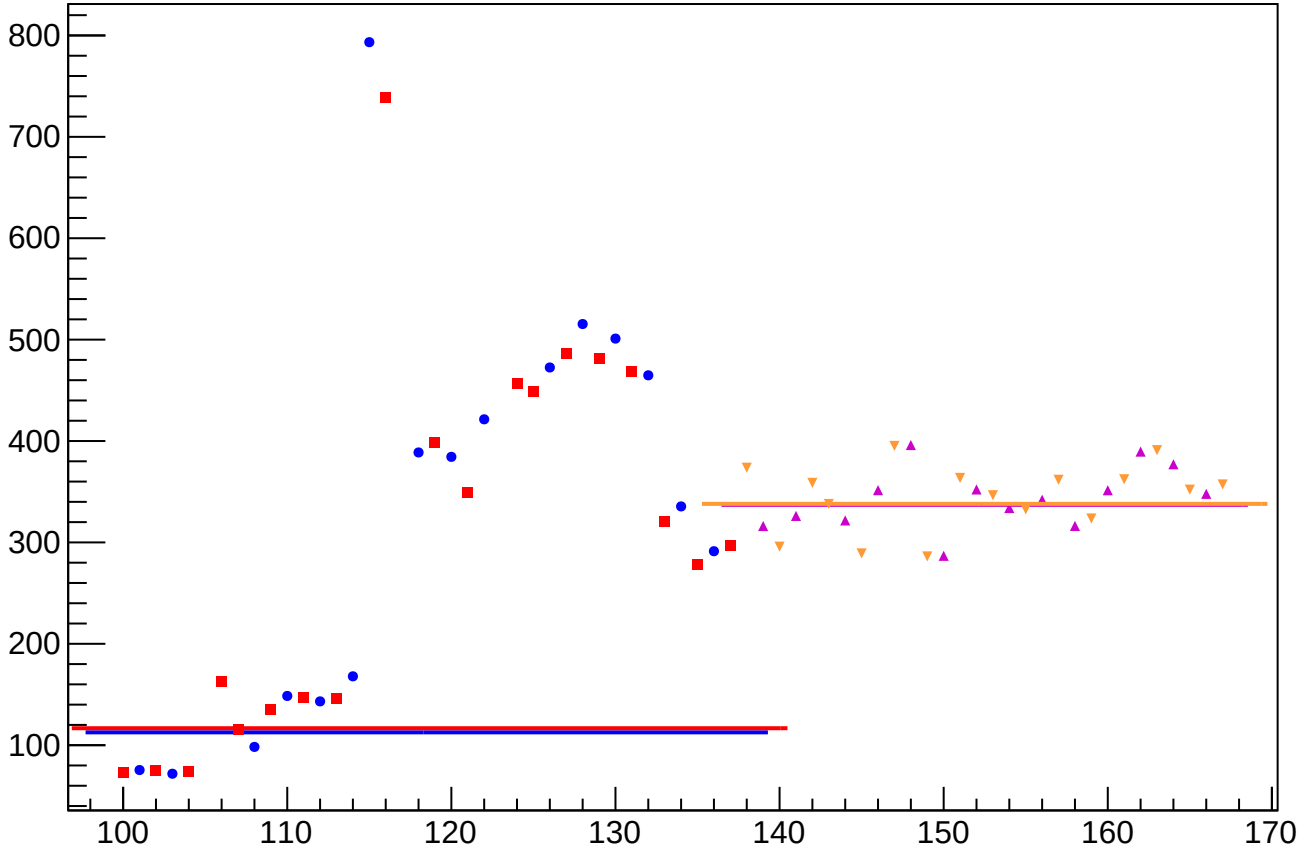
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 44.573+/-47.229 χ^2/NDF:35.2/29

Out: -104.451+/-46.535 χ^2/NDF:37.1/34

All: -31.042+/-33.148 χ^2/NDF: 77.4/64

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 338.029+/-0.068 χ^2/NDF:250768.5/15

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 337.039+/-0.071 χ^2/NDF:165648.9/13

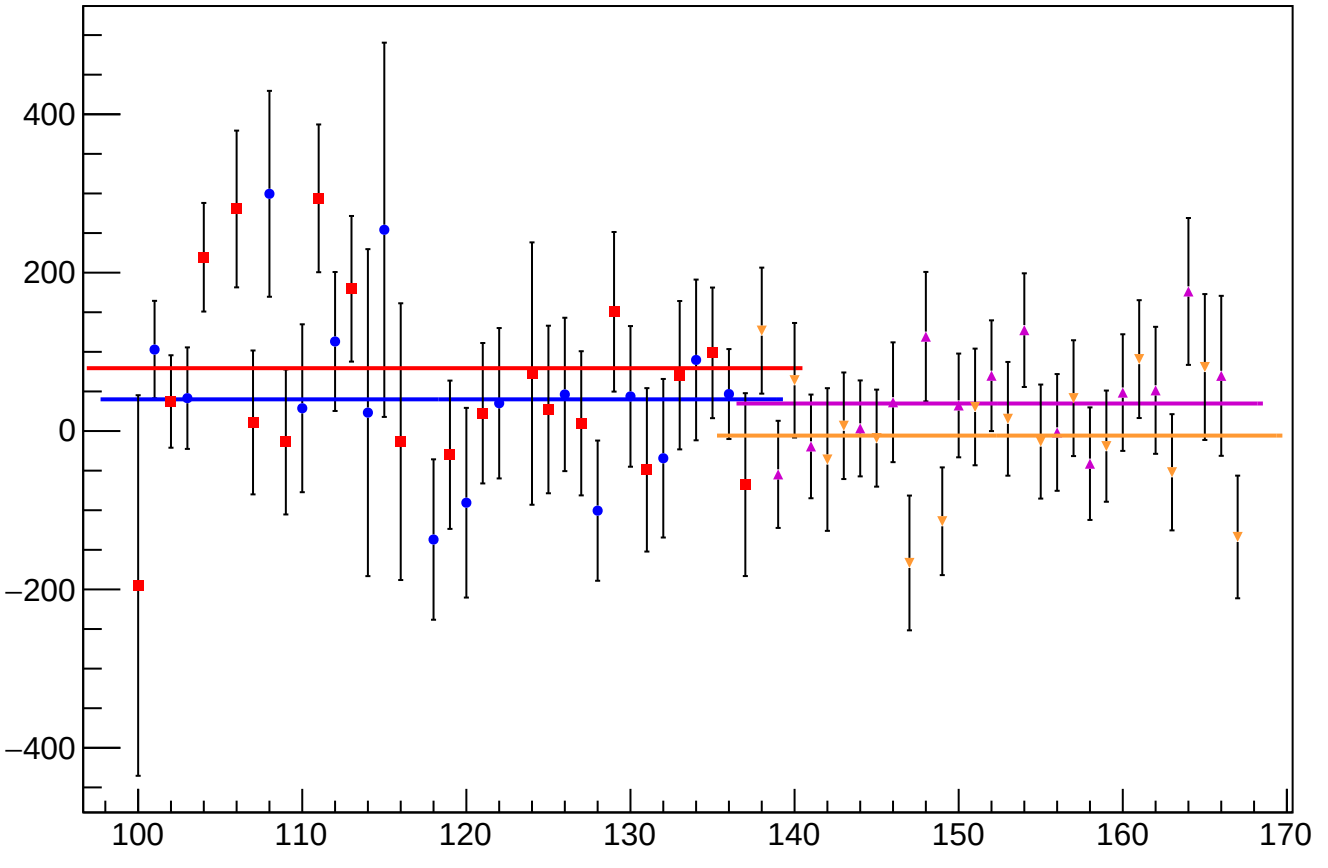
Left: 337.554+/-0.049 χ^2/NDF: 416519.6/29

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 162.742+/-0.033 χ^2/NDF:13590884.8/29

Out: 168.775+/-0.033 χ^2/NDF:13527399.6/34

All: 165.803+/-0.023 χ^2/NDF: 27134844.8/64



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -5.741+/-18.488 χ^2/NDF:16.4/15

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 34.764+/-19.548 χ^2/NDF:9.6/13

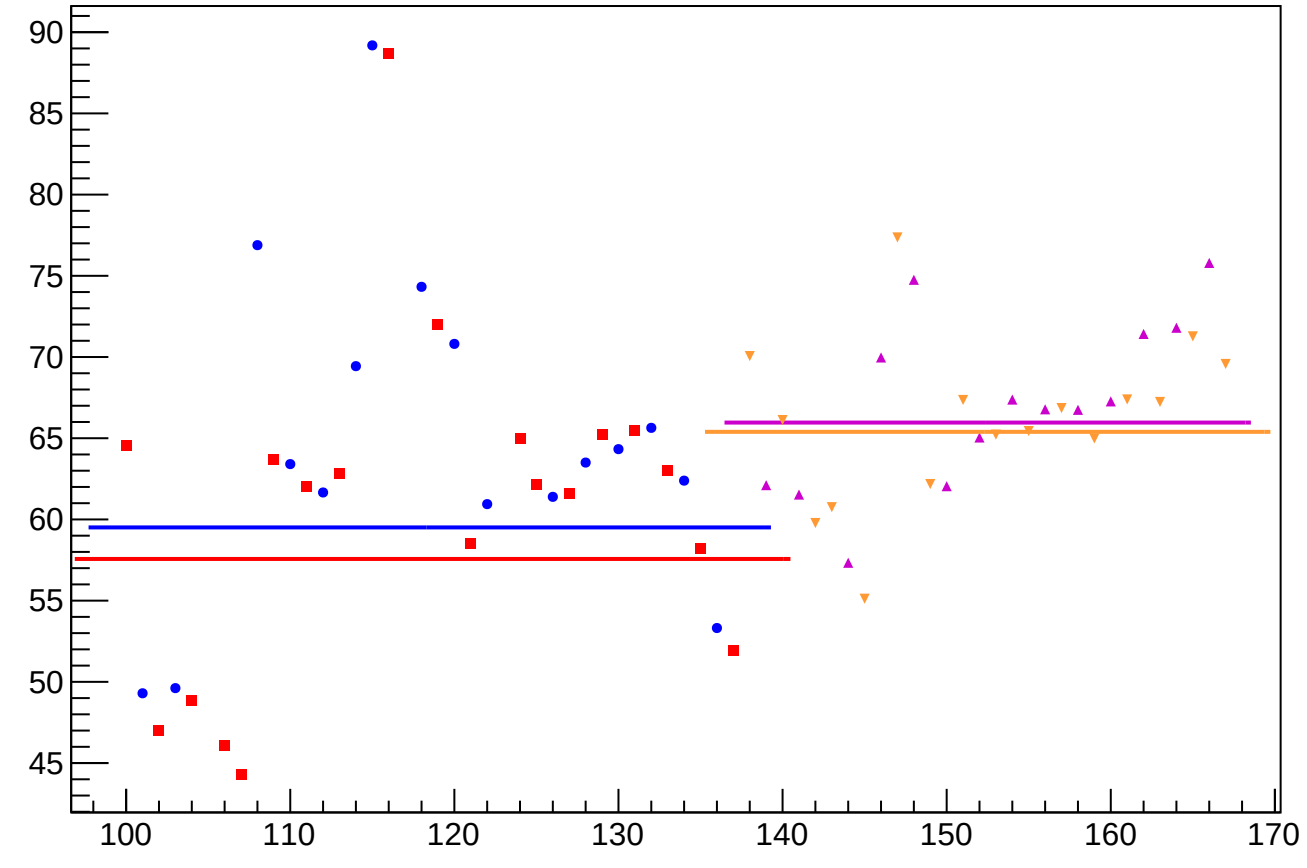
Left: 13.384+/-13.432 χ^2/NDF: 28.3/29

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 37.028+/-14.761 χ^2/NDF:23.8/29

Out: 30.294+/-14.039 χ^2/NDF:50.2/34

All: 33.492+/-10.173 χ^2/NDF: 74.1/64



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 65.393+/-0.013 χ^2/NDF:143630.8/15

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 65.964+/-0.014 χ^2/NDF:130543.2/13

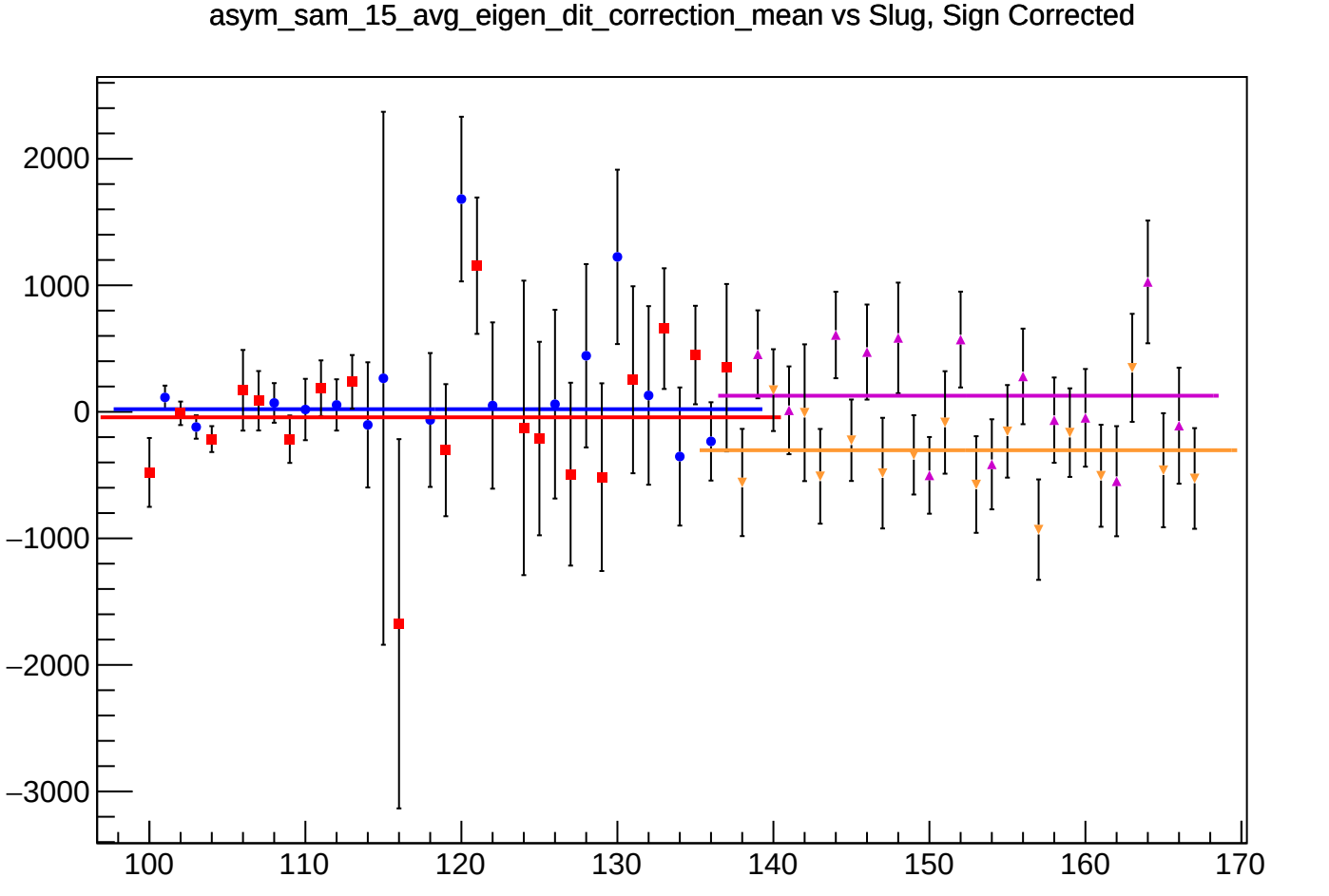
Left: 65.663+/-0.009 χ^2/NDF: 275074.1/29

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 63.189+/-0.010 χ^2/NDF:507482.0/29

Out: 62.080+/-0.010 χ^2/NDF:642745.1/34

All: 62.607+/-0.007 χ^2/NDF: 1156159.5/64



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -303.453+/-95.959 χ^2/NDF:10.0/15

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 127.184+/-99.974 χ^2/NDF:19.7/13

Left: -96.954+/-69.229 χ^2/NDF: 39.4/29

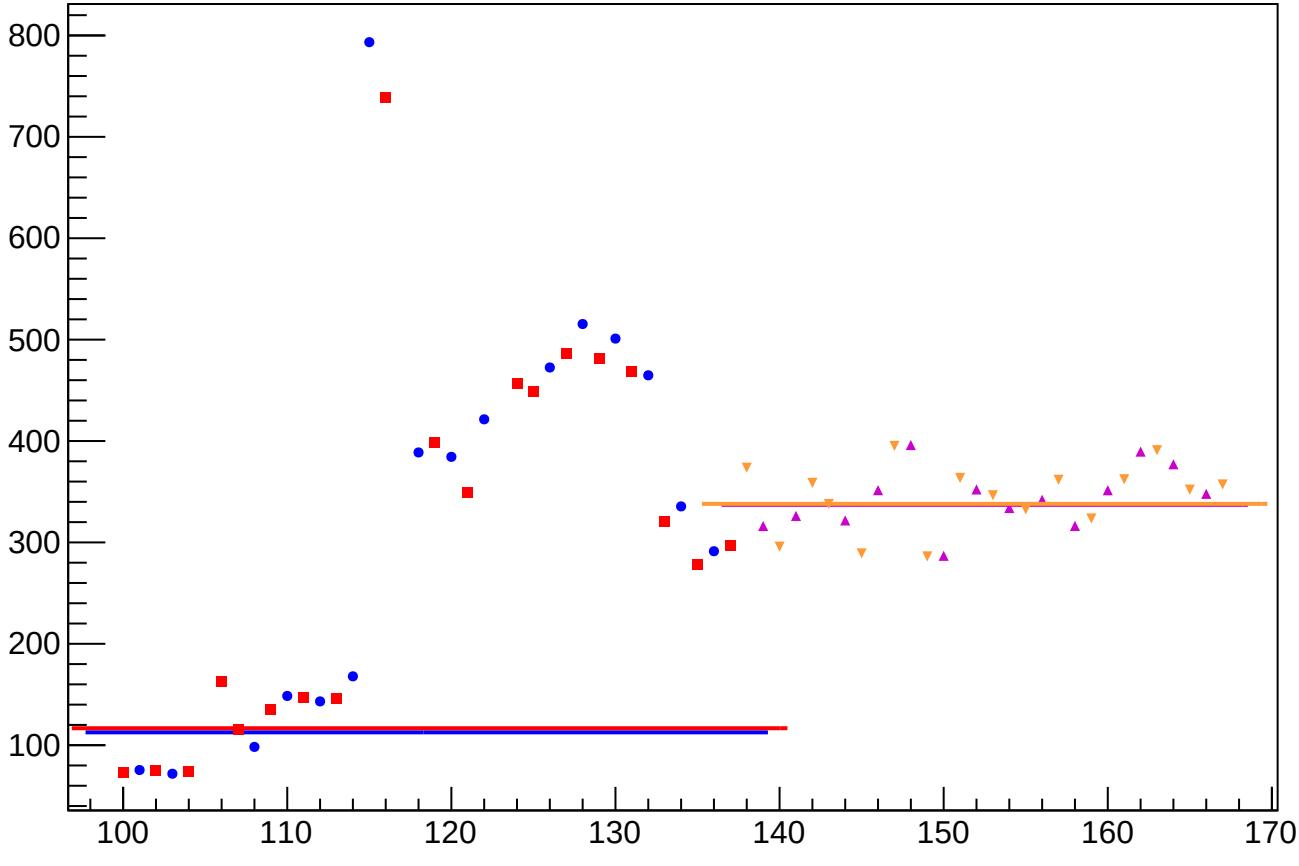
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 44.573+/-47.229 χ^2/NDF:35.2/29

Out: -104.450+/-46.535 χ^2/NDF:37.1/34

All: -31.042+/-33.148 χ^2/NDF: 77.4/64

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 338.030+/-0.068 χ^2/NDF:250766.6/15

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 337.040+/-0.071 χ^2/NDF:165644.7/13

Left: 337.555+/-0.049 χ^2/NDF: 416513.4/29

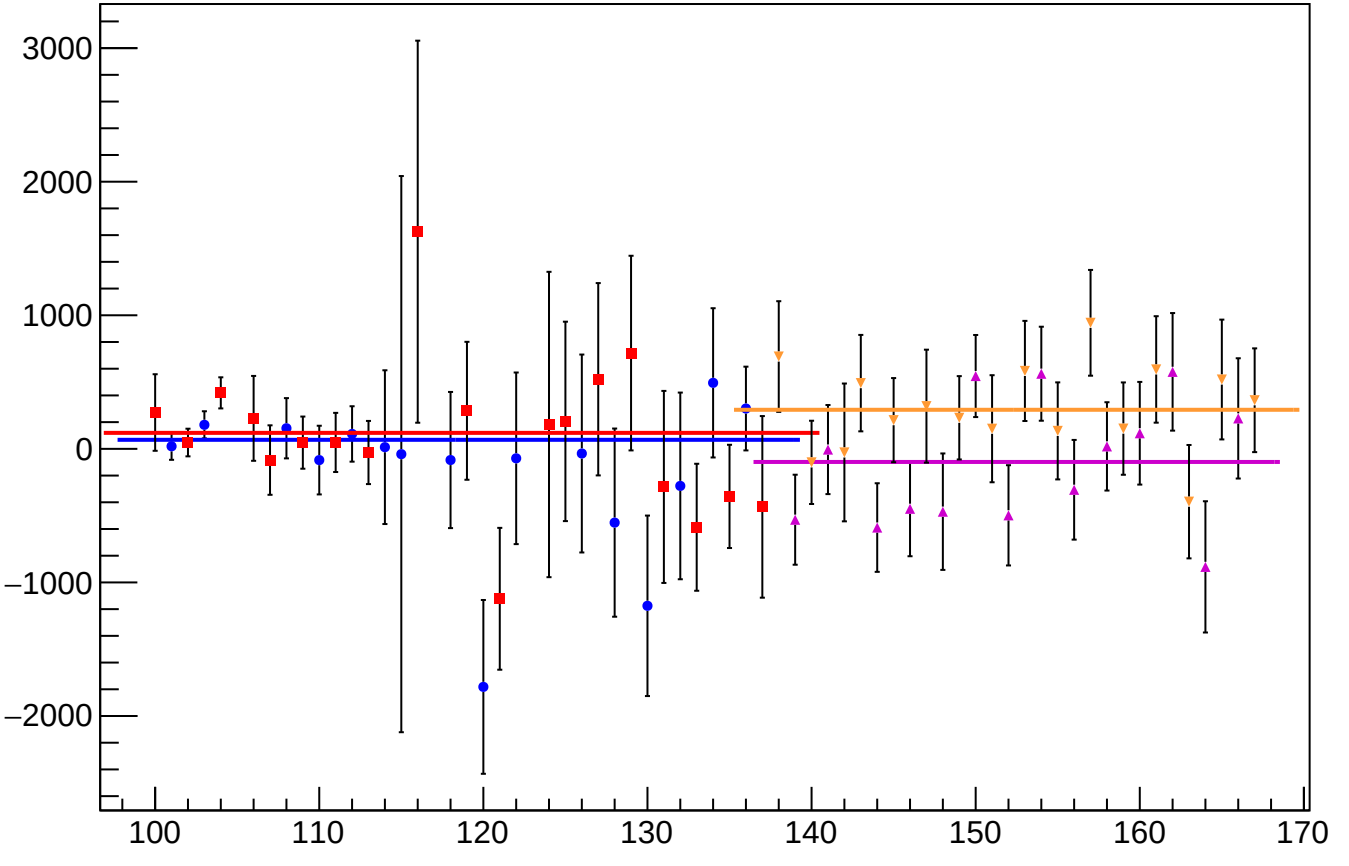
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 162.741+/-0.033 χ^2/NDF:13590923.0/29

Out: 168.775+/-0.033 χ^2/NDF:13527461.8/34

All: 165.803+/-0.023 χ^2/NDF: 27134944.4/64

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 292.487+/-94.231 χ^2/NDF:10.6/15

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -98.105+/-98.445 χ^2/NDF:20.8/13

Left: 105.729+/-68.073 χ^2/NDF: 39.6/29

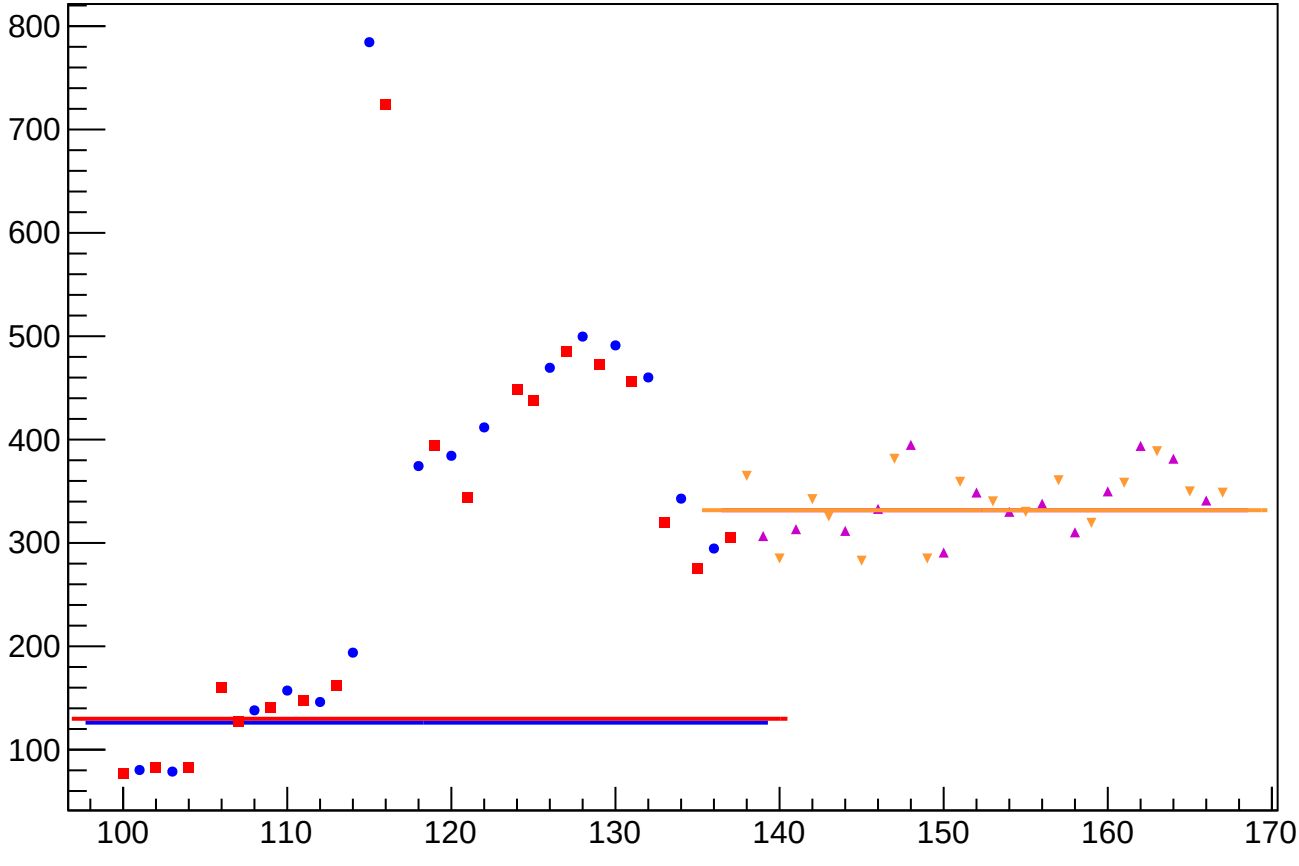
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 23.641+/-50.714 χ^2/NDF:38.7/29

Out: 167.057+/-49.357 χ^2/NDF:34.2/34

All: 97.293+/-35.371 χ^2/NDF: 77.0/64

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 331.681+/-0.067 χ^2/NDF:255667.0/15

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 331.669+/-0.070 χ^2/NDF:180980.4/13

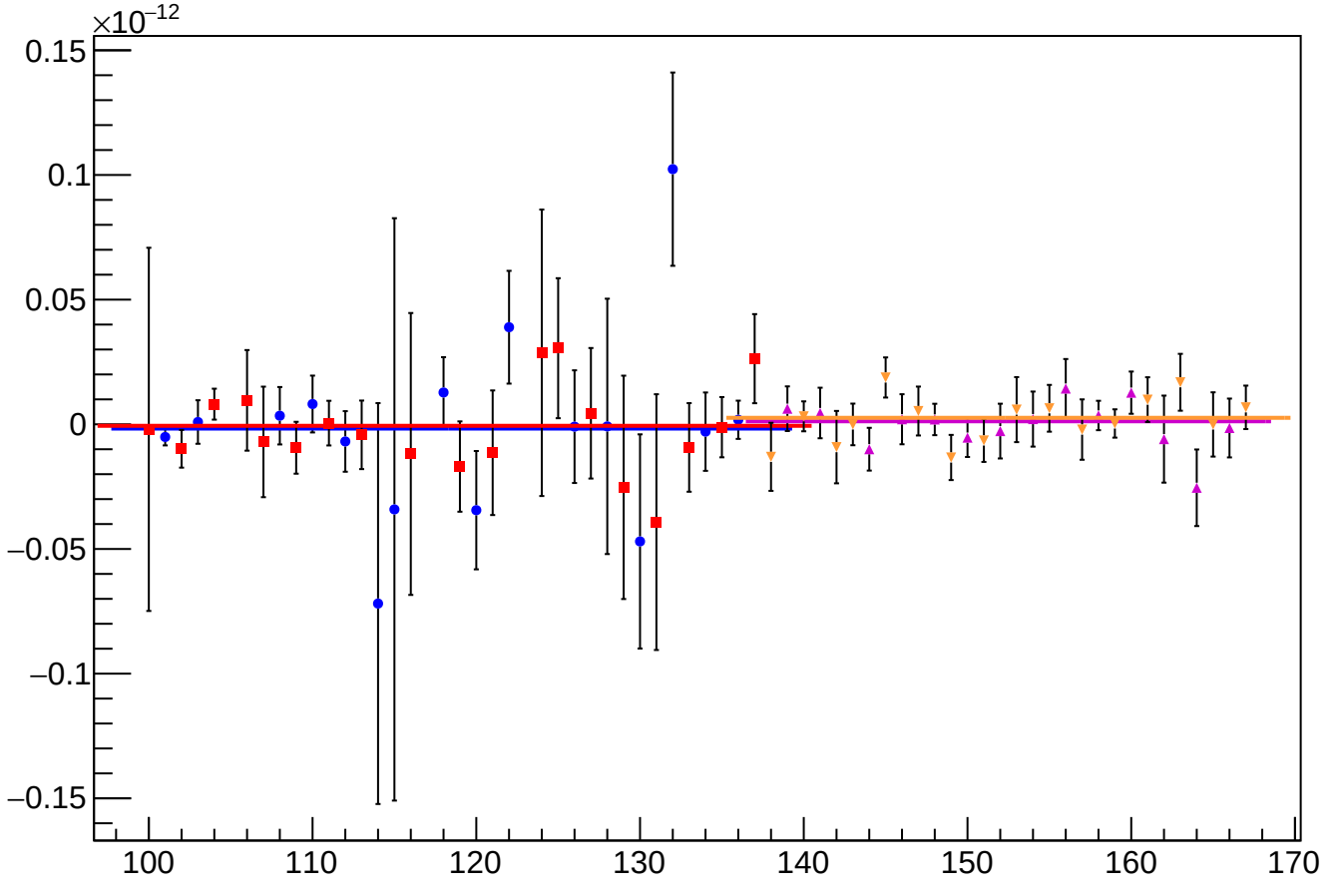
Left: 331.675+/-0.048 χ^2/NDF: 436647.4/29

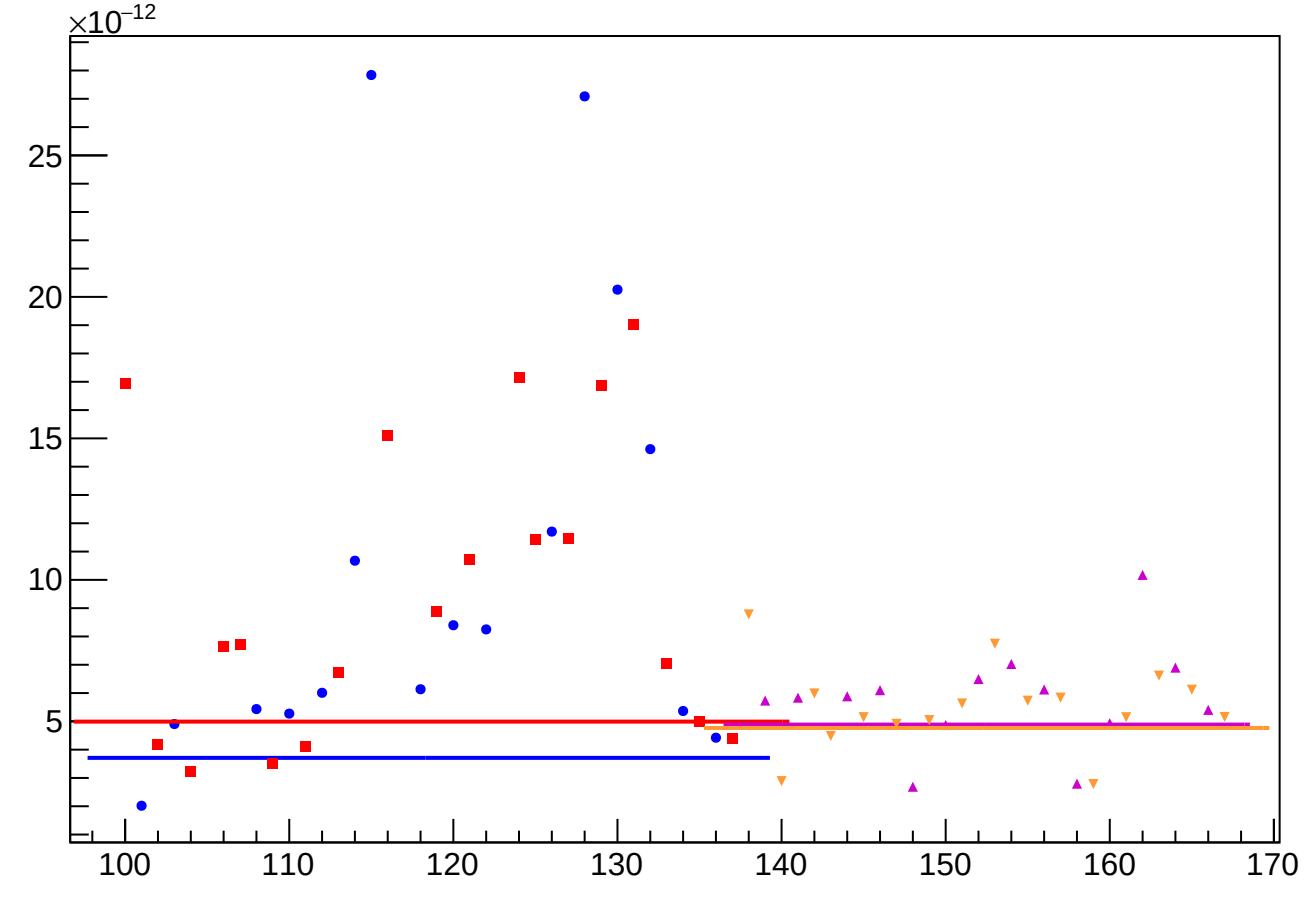
Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 180.693+/-0.036 χ^2/NDF:11804218.0/29

Out: 185.270+/-0.035 χ^2/NDF:11557035.6/34

All: 183.043+/-0.025 χ^2/NDF: 23369620.1/64


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 17.8/15
Left Out: 0.000+/-0.000 χ²/NDF:13.4/15
Right Out: -0.000+/-0.000 χ²/NDF: 10.5/18
Left In: 0.000+/-0.000 χ²/NDF:9.5/13
Left: 0.000+/-0.000 χ²/NDF: 23.1/29
Right: -0.000+/-0.000 χ²/NDF: 28.4/34
In: -0.000+/-0.000 χ²/NDF:27.9/29
Out: 0.000+/-0.000 χ²/NDF:24.6/34
All: 0.000+/-0.000 χ²/NDF: 53.0/64



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:879139.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:948790.7/13

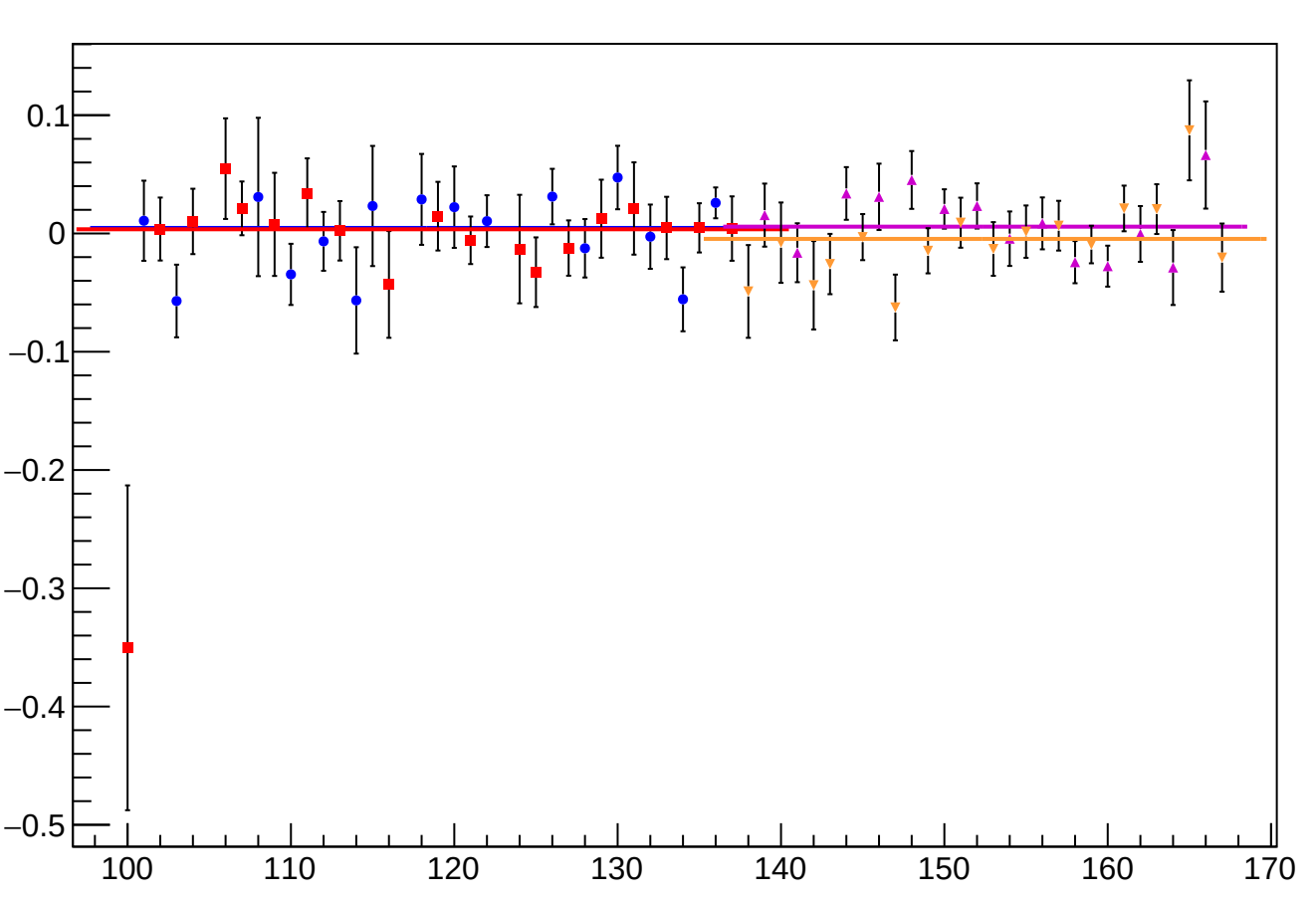
Left: 0.000+/-0.000 χ^2/NDF: 1830518.2/29

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:3345325.3/29

Out: 0.000+/-0.000 χ^2/NDF:2181073.1/34

All: 0.000+/-0.000 χ^2/NDF: 5610038.7/64



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/15

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.4/13

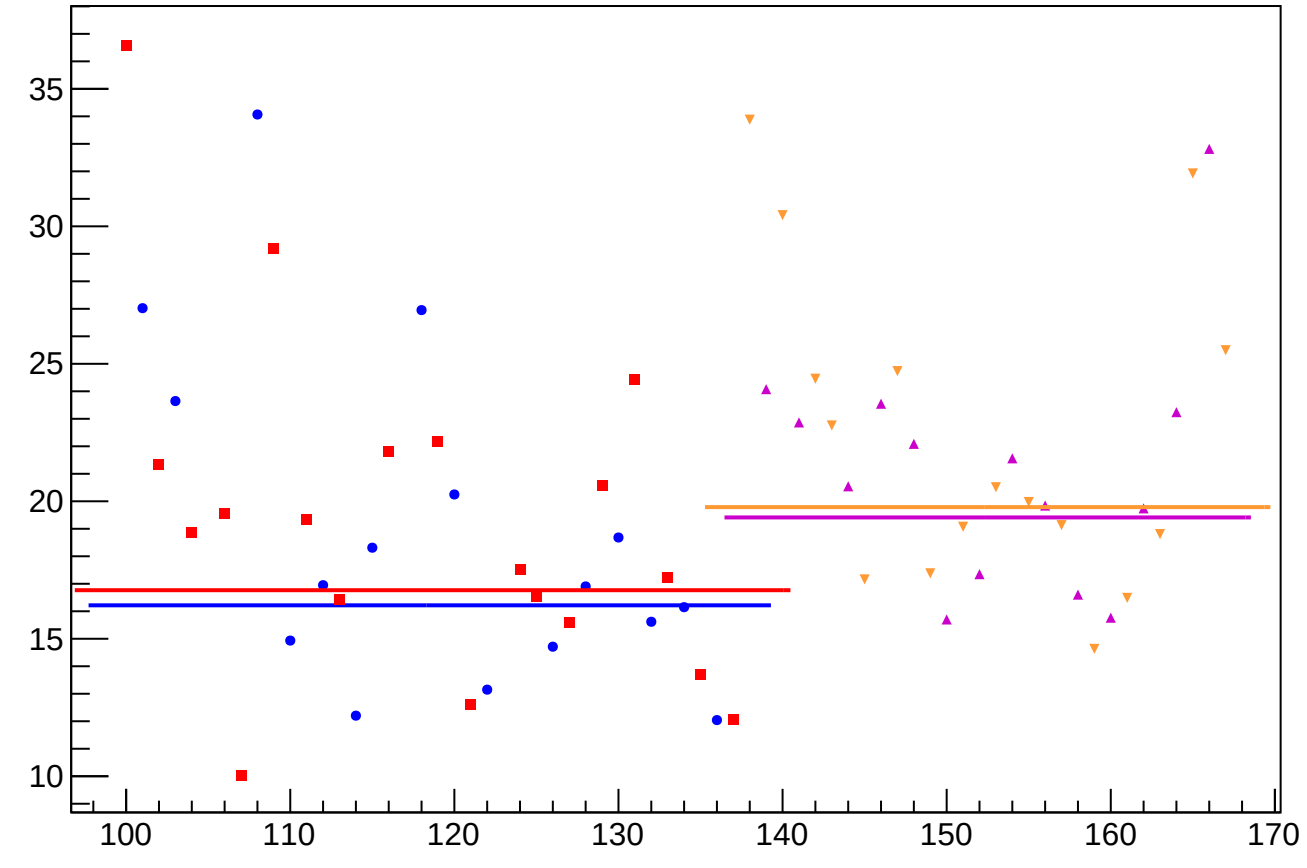
Left: 0.000+/-0.004 χ^2/NDF: 35.9/29

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:38.8/29

Out: -0.001+/-0.004 χ^2/NDF:31.4/34

All: 0.002+/-0.003 χ^2/NDF: 71.3/64



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166793.5/15

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.413+/-0.004 χ^2/NDF:656164.9/13

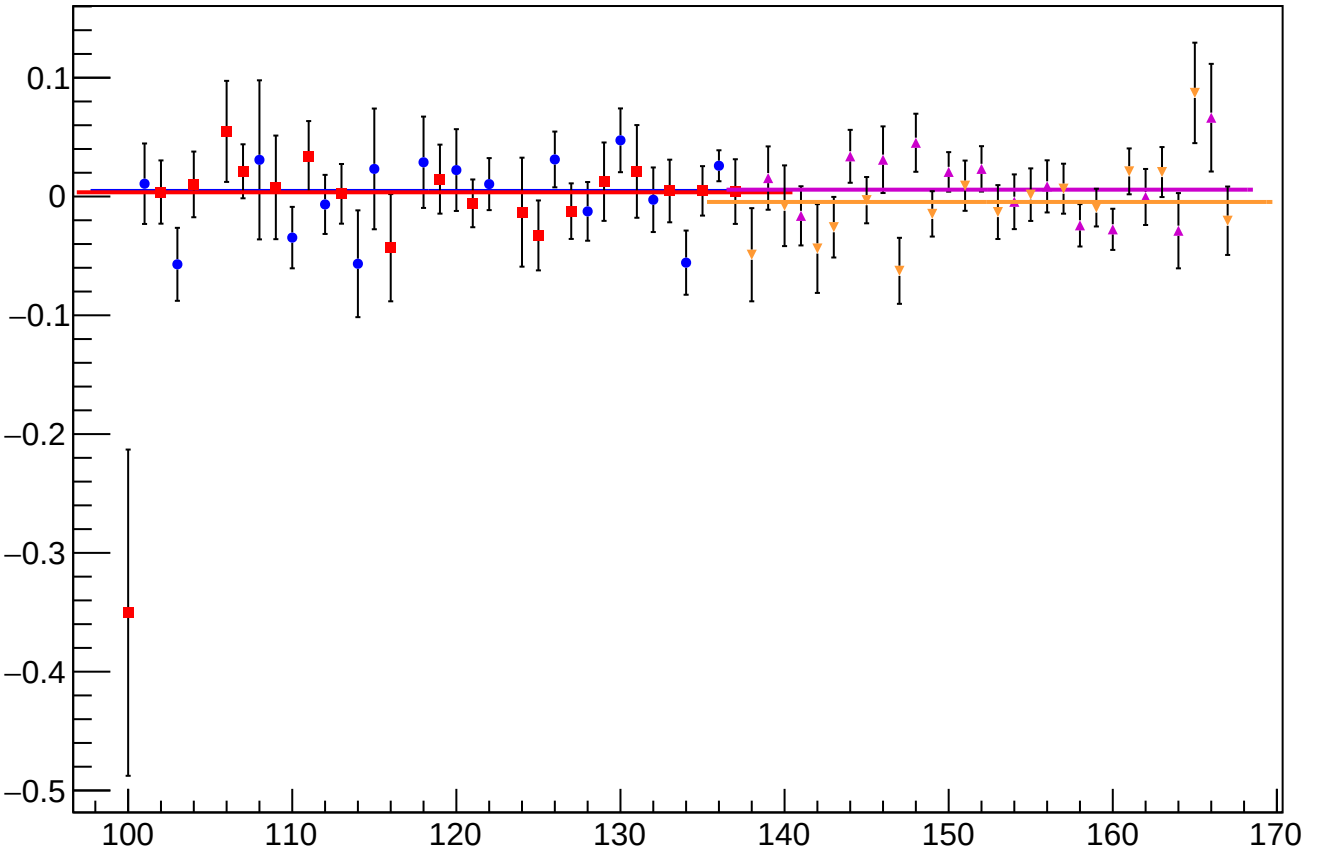
Left: 19.606+/-0.003 χ^2/NDF: 1827018.3/29

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.966+/-0.003 χ^2/NDF:1859478.7/29

Out: 18.474+/-0.003 χ^2/NDF:2268596.0/34

All: 18.223+/-0.002 χ^2/NDF: 4141454.4/64



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/15

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.4/13

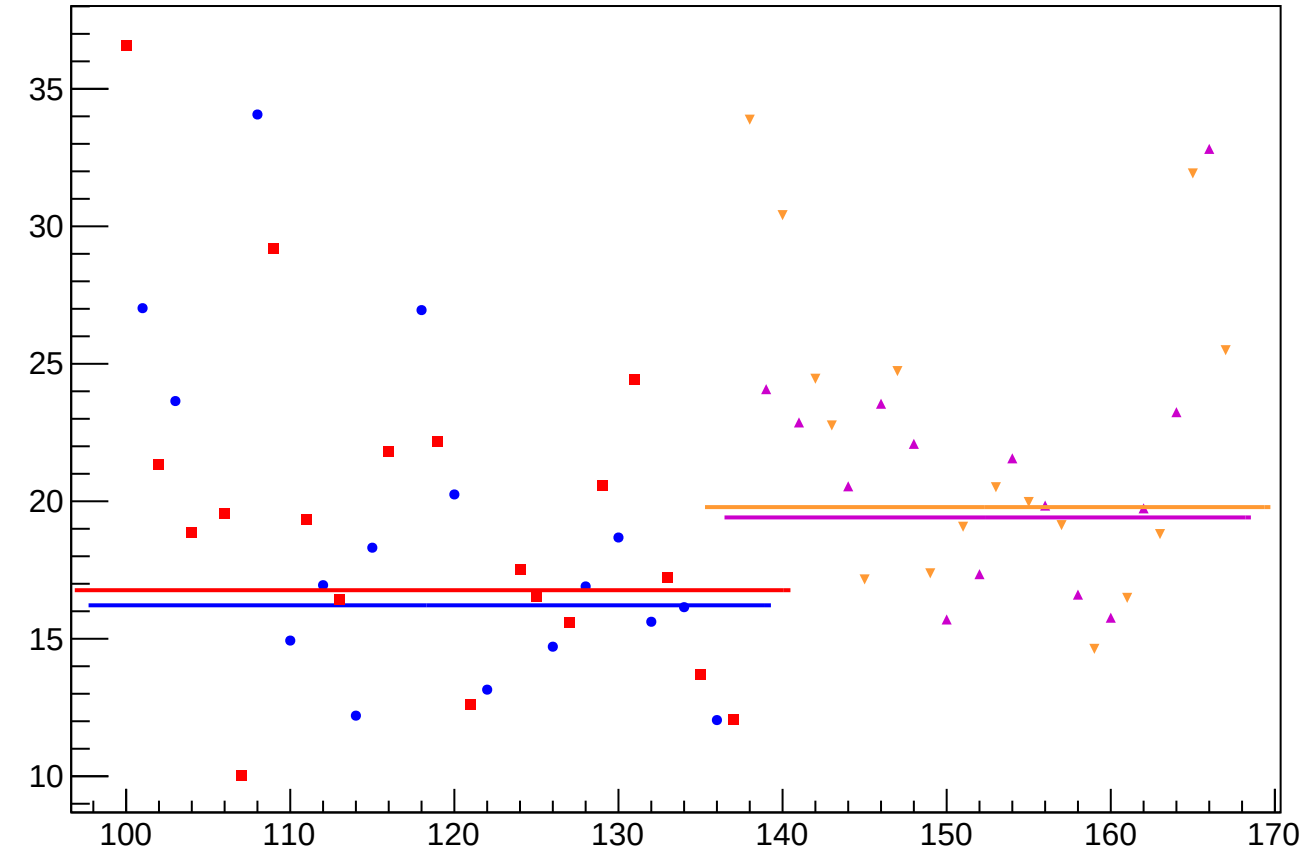
Left: 0.000+/-0.004 χ^2/NDF: 35.9/29

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:38.8/29

Out: -0.001+/-0.004 χ^2/NDF:31.4/34

All: 0.002+/-0.003 χ^2/NDF: 71.3/64



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166793.5/15

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.413+/-0.004 χ^2/NDF:656164.9/13

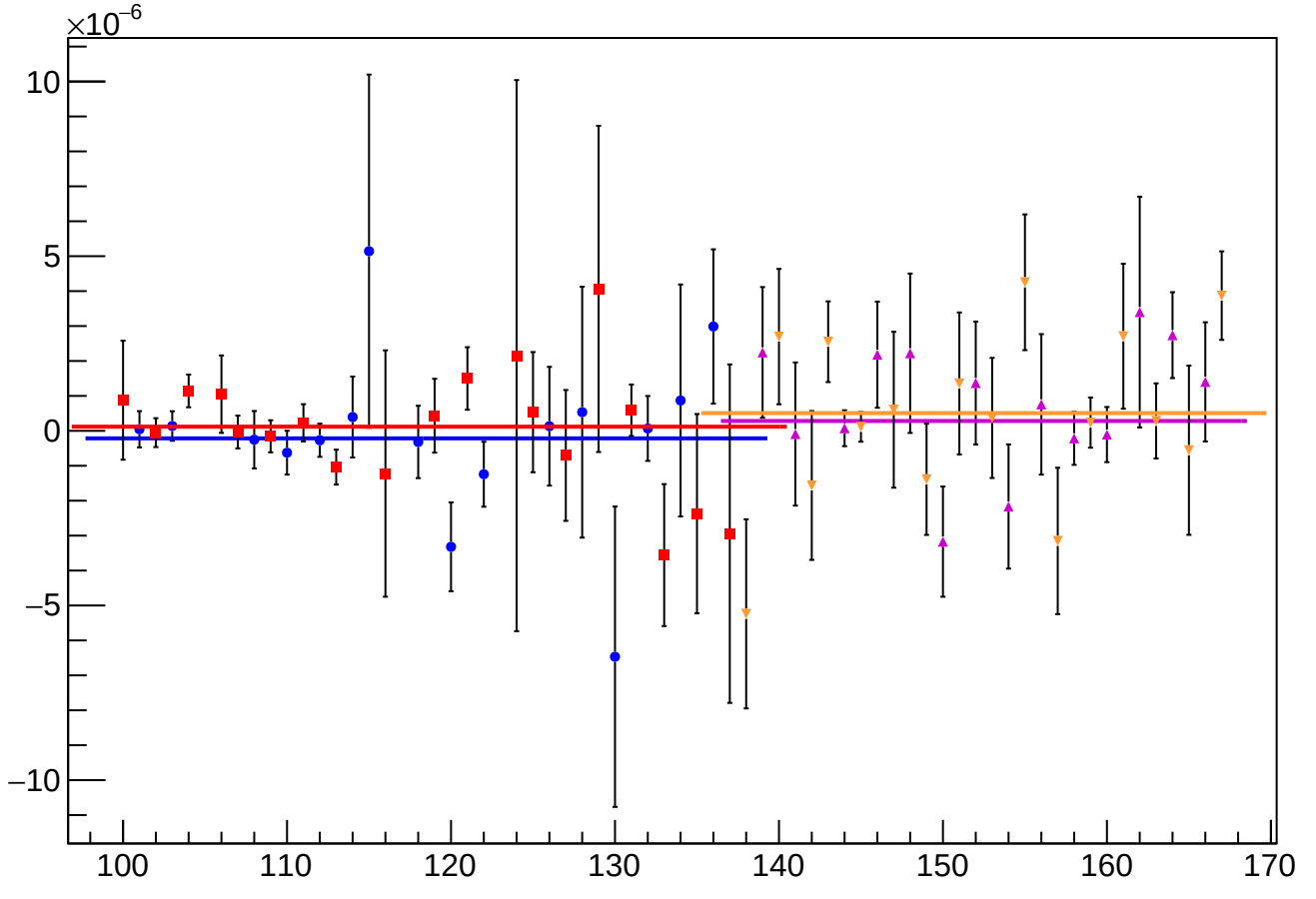
Left: 19.606+/-0.003 χ^2/NDF: 1827018.3/29

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.966+/-0.003 χ^2/NDF:1859478.7/29

Out: 18.474+/-0.003 χ^2/NDF:2268596.0/34

All: 18.223+/-0.002 χ^2/NDF: 4141454.4/64



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/13

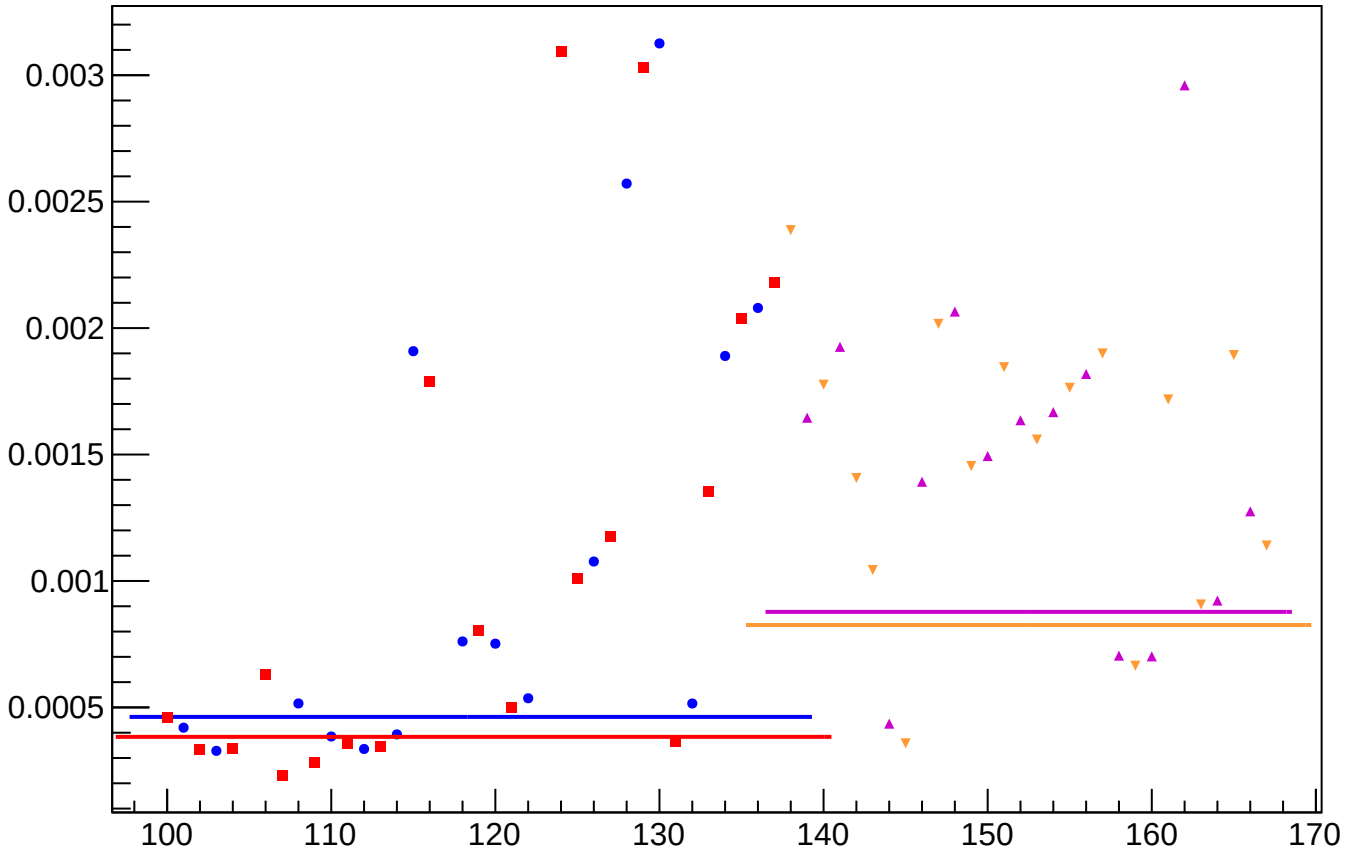
Left: 0.000+/-0.000 χ^2/NDF: 44.6/29

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:33.0/29

Out: 0.000+/-0.000 χ^2/NDF:49.2/34

All: 0.000+/-0.000 χ^2/NDF: 83.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:7508194.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5725525.7/13

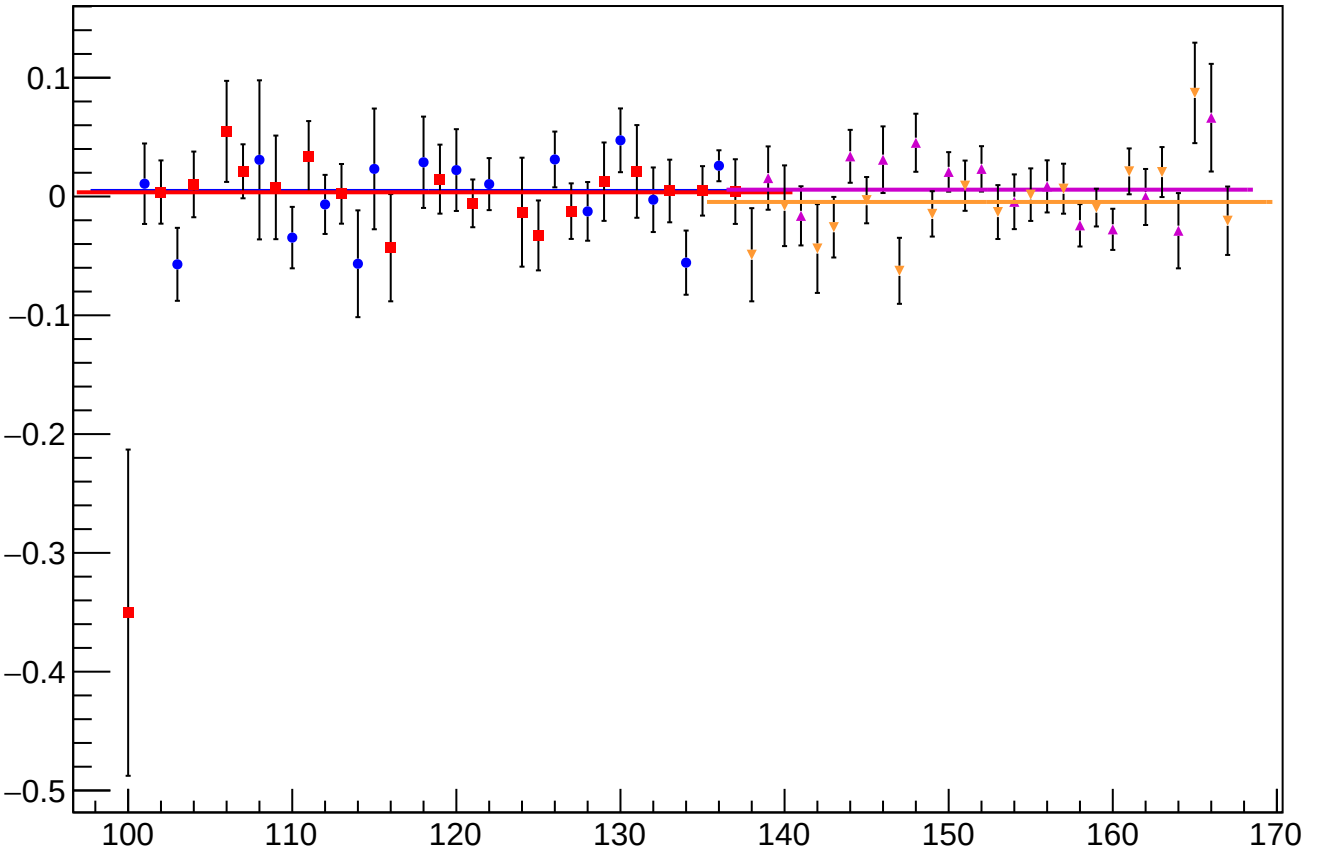
Left: 0.001+/-0.000 χ^2/NDF: 13264621.0/29

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:12259709.6/29

Out: 0.001+/-0.000 χ^2/NDF:15100486.7/34

All: 0.001+/-0.000 χ^2/NDF: 27678936.6/64



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/15

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.4/13

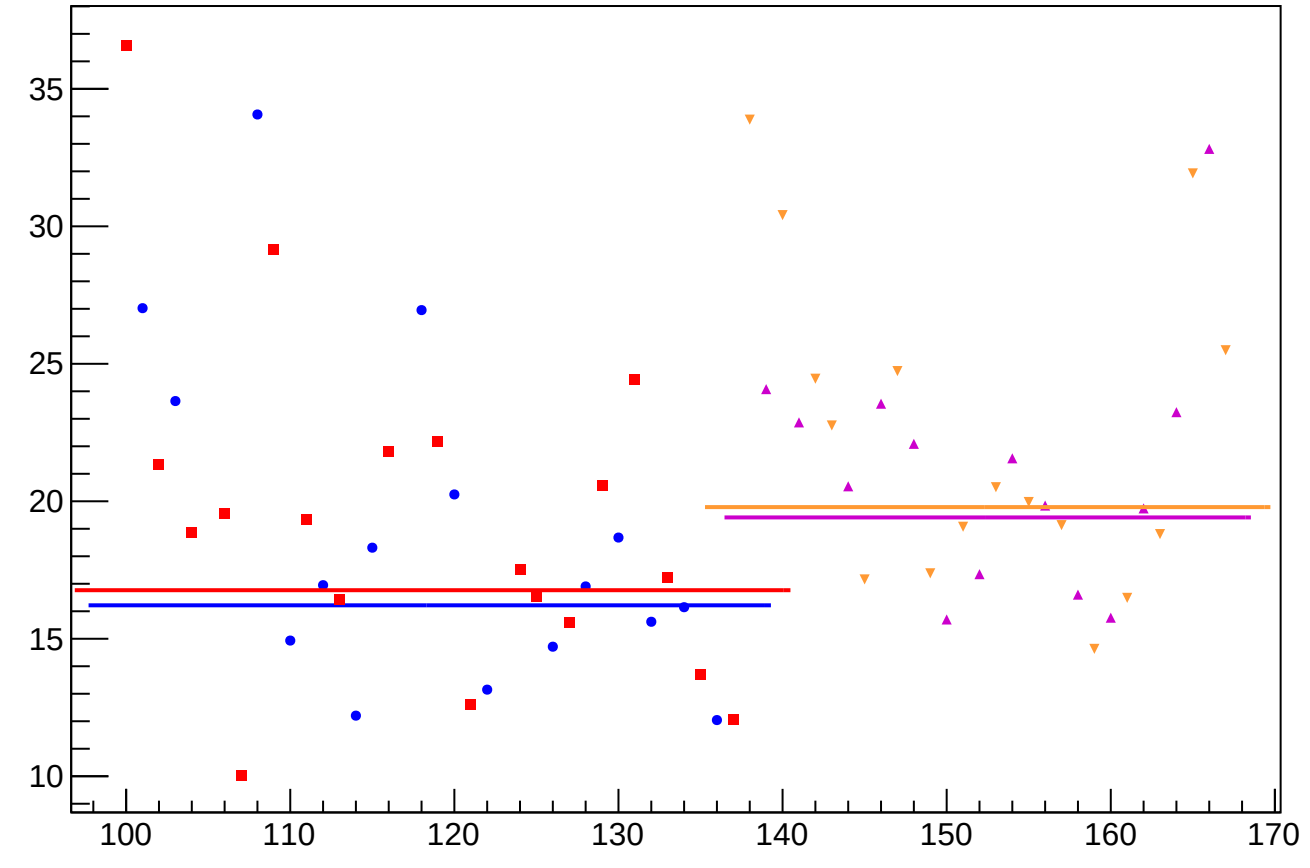
Left: 0.000+/-0.004 χ^2/NDF: 35.9/29

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:38.8/29

Out: -0.001+/-0.004 χ^2/NDF:31.4/34

All: 0.002+/-0.003 χ^2/NDF: 71.3/64



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166905.2/15

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.413+/-0.004 χ^2/NDF:656265.7/13

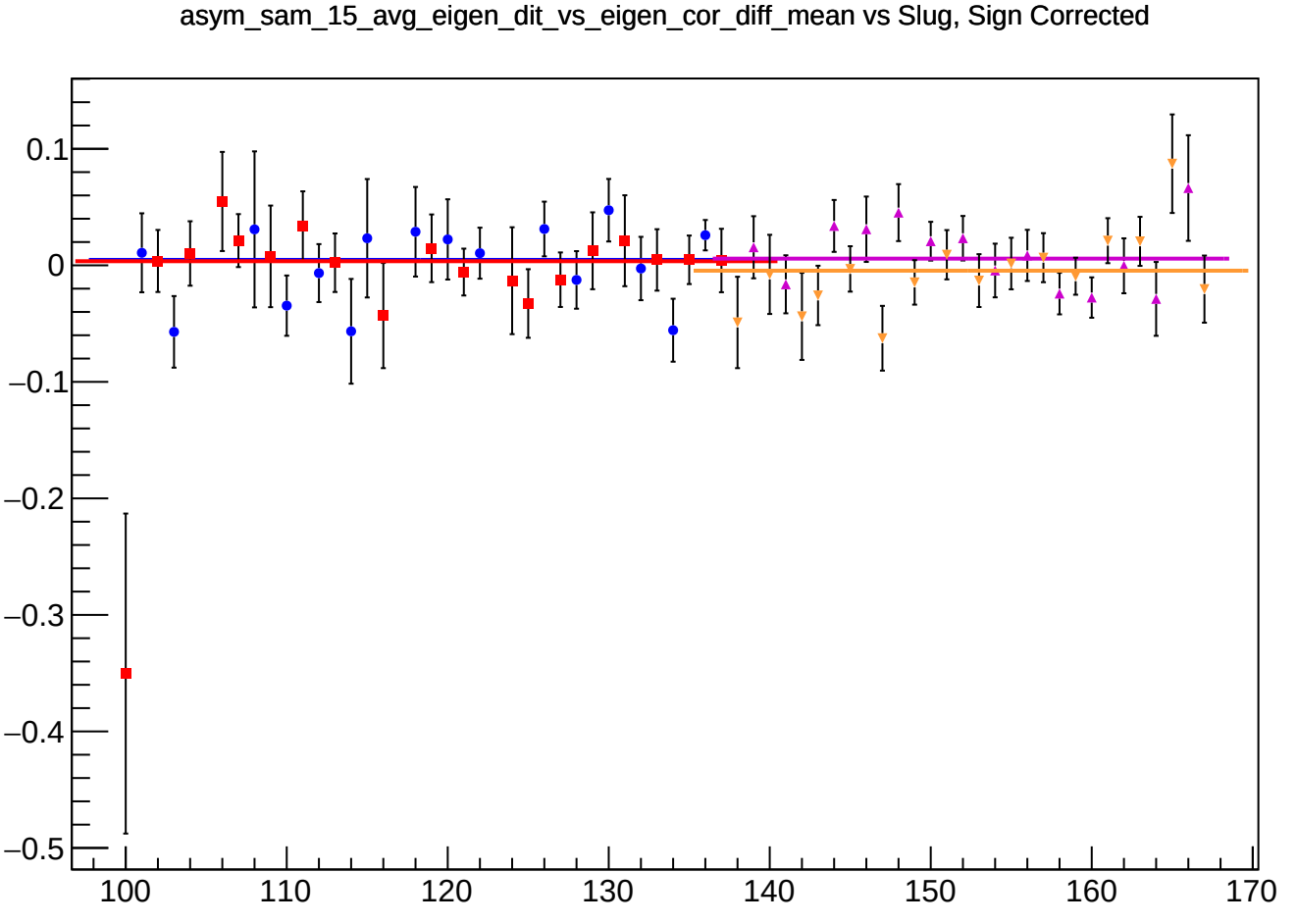
Left: 19.606+/-0.003 χ^2/NDF: 1827232.4/29

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.966+/-0.003 χ^2/NDF:1859563.7/29

Out: 18.474+/-0.003 χ^2/NDF:2268731.7/34

All: 18.223+/-0.002 χ^2/NDF: 4141676.6/64



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/15

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.4/13

Left: 0.000+/-0.004 χ^2/NDF: 35.9/29

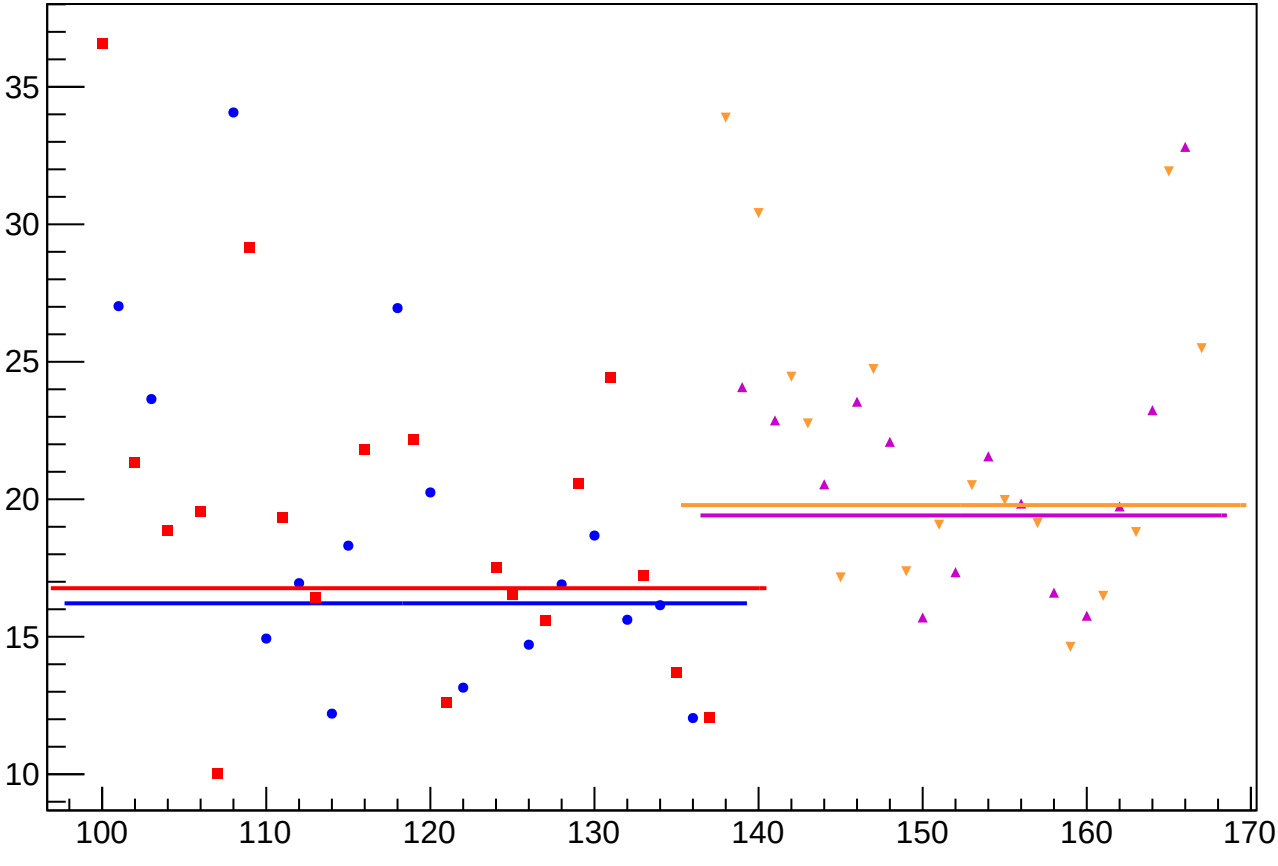
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:38.8/29

Out: -0.001+/-0.004 χ^2/NDF:31.4/34

All: 0.002+/-0.003 χ^2/NDF: 71.3/64

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166905.2/15

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.413+/-0.004 χ^2/NDF:656265.7/13

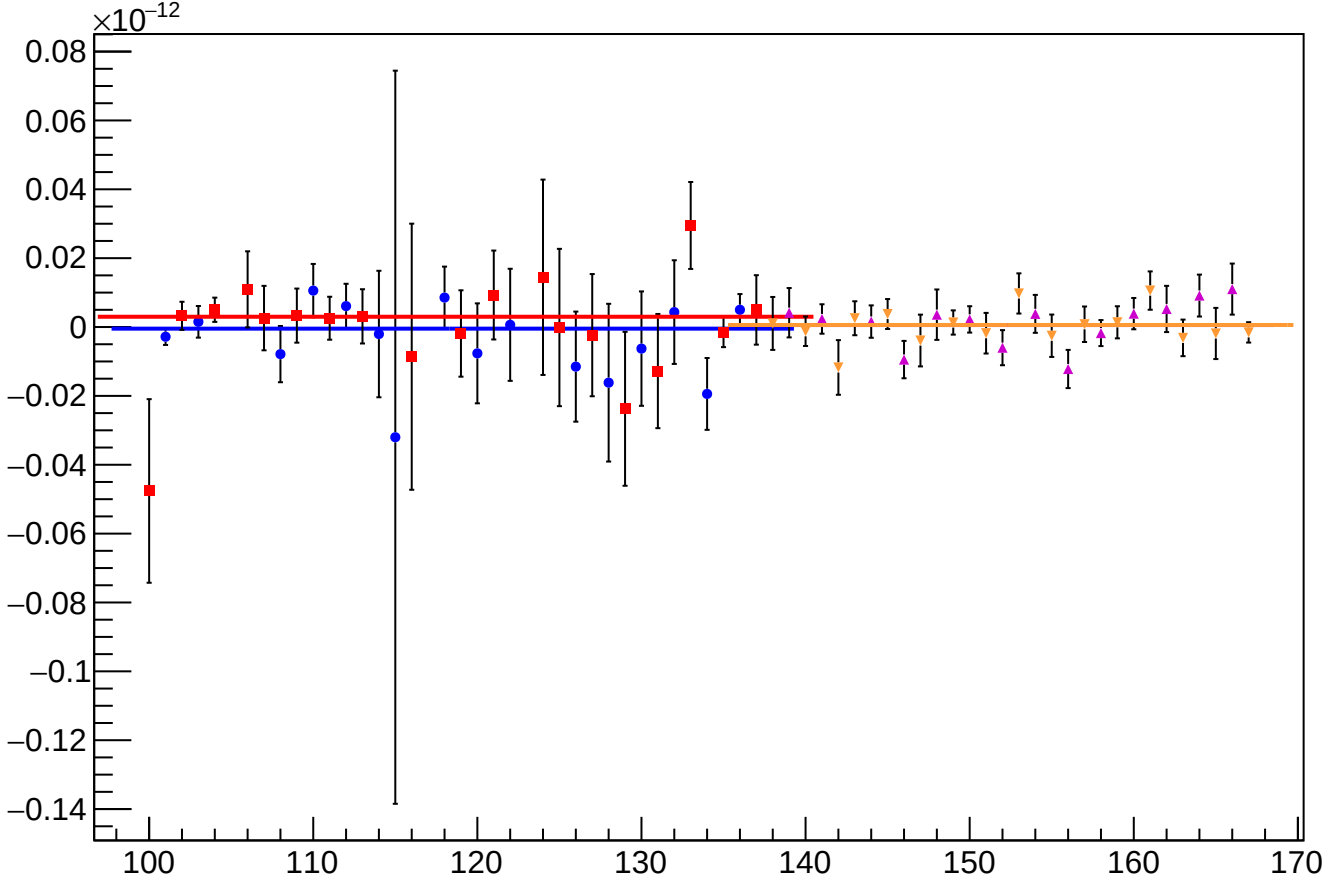
Left: 19.606+/-0.003 χ^2/NDF: 1827232.4/29

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.966+/-0.003 χ^2/NDF:1859563.7/29

Out: 18.474+/-0.003 χ^2/NDF:2268731.7/34

All: 18.223+/-0.002 χ^2/NDF: 4141676.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/13

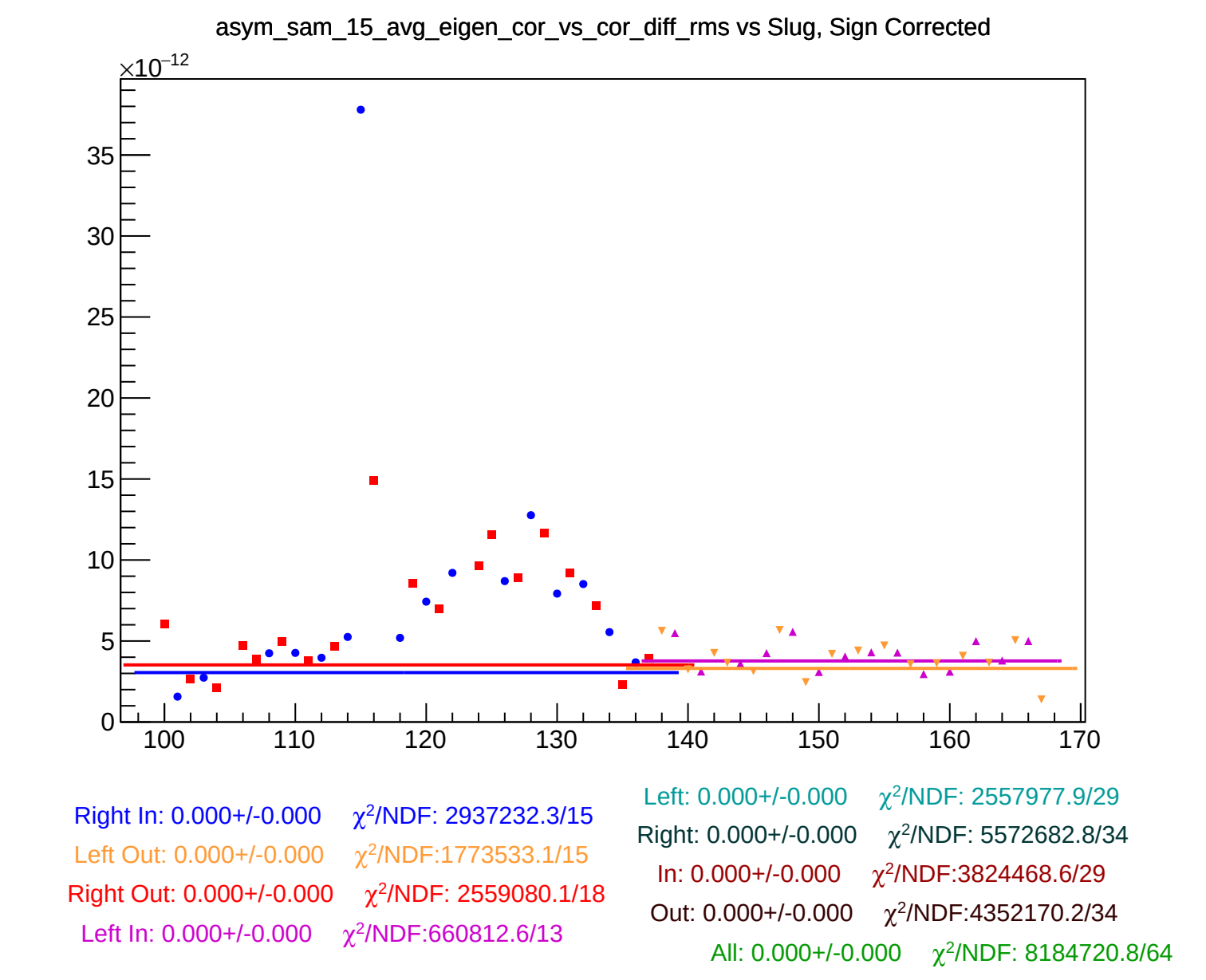
Left: 0.000+/-0.000 χ^2/NDF: 27.9/29

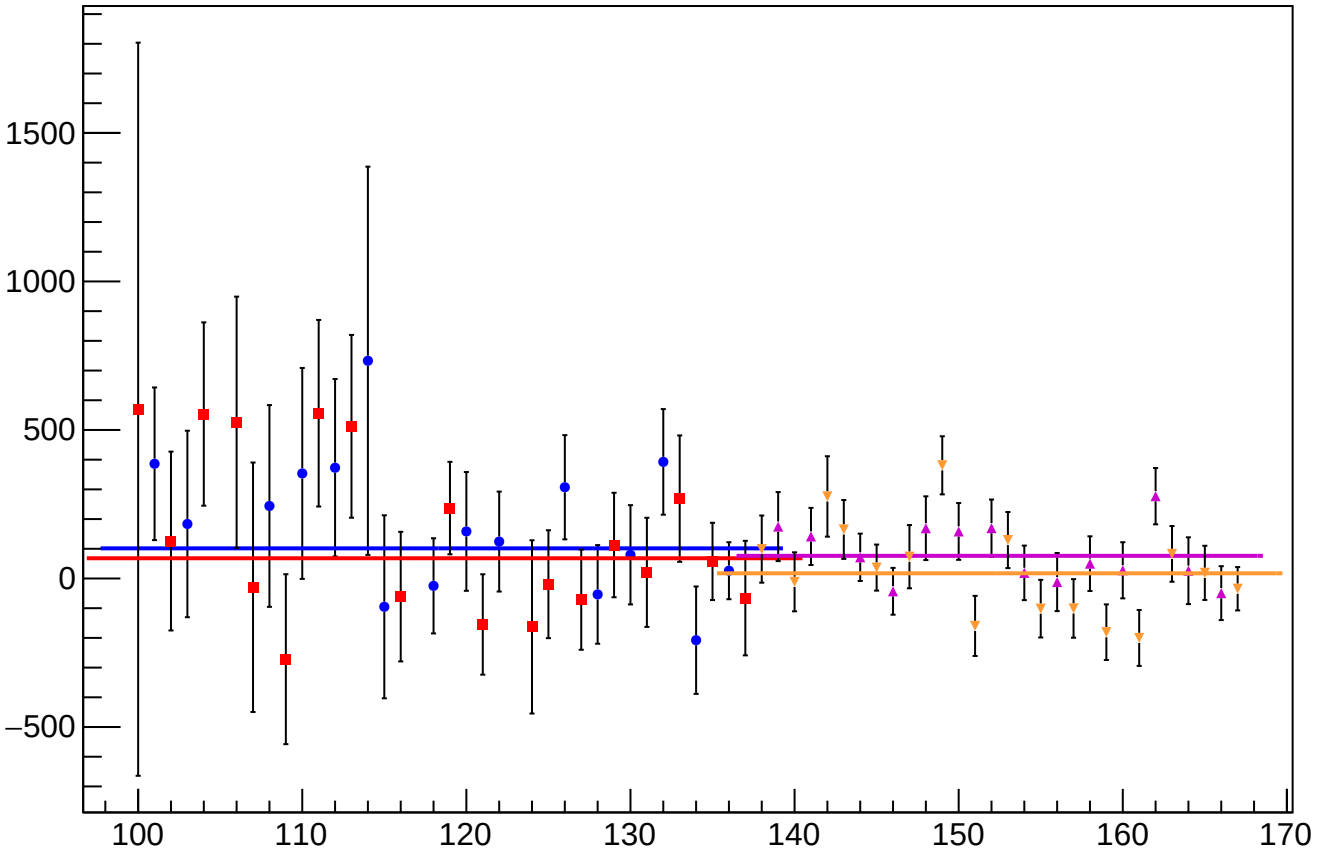
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:29.4/29

Out: 0.000+/-0.000 χ^2/NDF:25.2/34

All: 0.000+/-0.000 χ^2/NDF: 55.3/64


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1773533.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:660812.6/13
Left: 0.000+/-0.000 χ²/NDF: 2557977.9/29
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:3824468.6/29
Out: 0.000+/-0.000 χ²/NDF:4352170.2/34
All: 0.000+/-0.000 χ²/NDF: 8184720.8/64



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 17.426+/-23.815 χ^2/NDF:38.9/15

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 76.296+/-25.236 χ^2/NDF:14.1/13

Left: 45.157+/-17.320 χ^2/NDF: 55.8/29

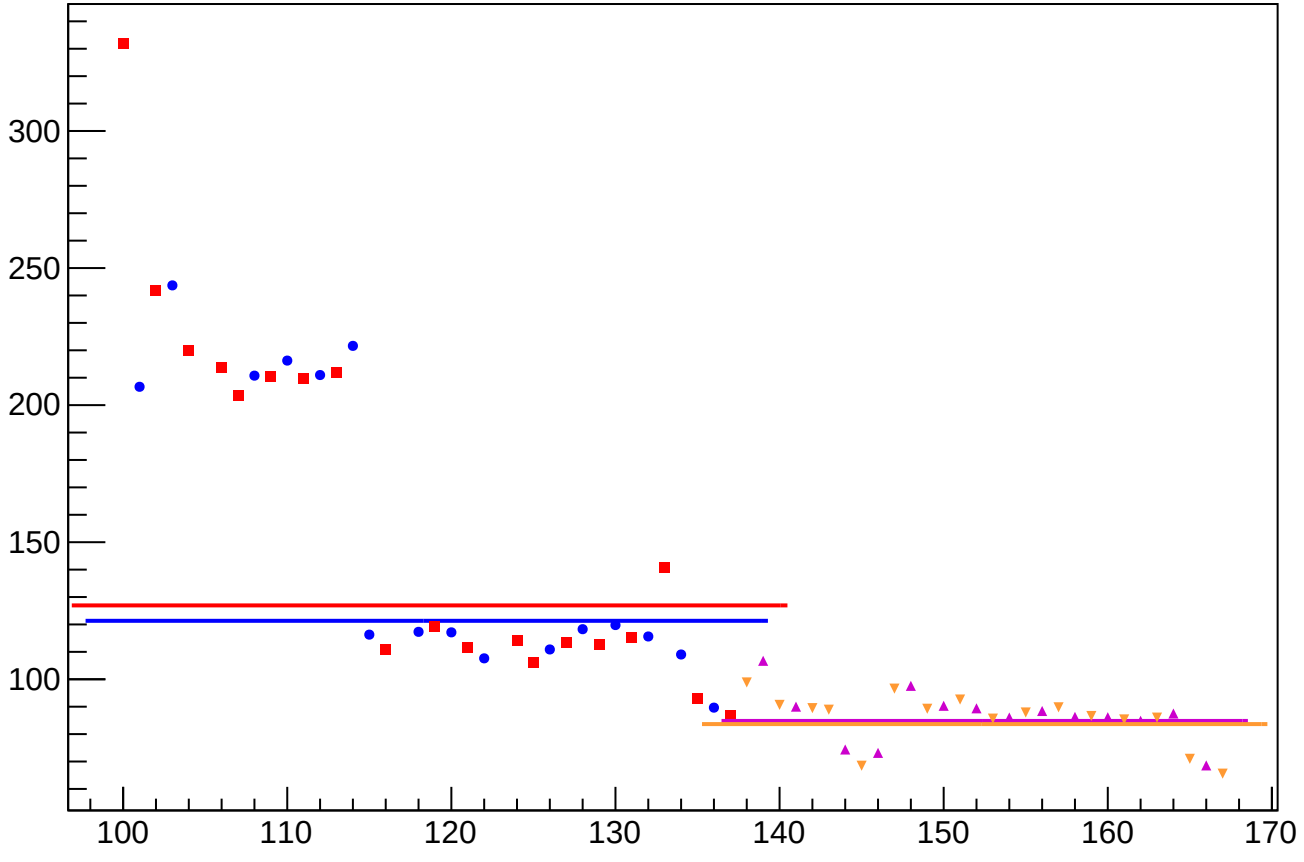
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 81.811+/-22.299 χ^2/NDF:27.6/29

Out: 27.007+/-21.446 χ^2/NDF:55.8/34

All: 53.341+/-15.458 χ^2/NDF: 86.6/64

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 83.654+/-0.017 χ^2/NDF:361748.1/15

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 84.800+/-0.018 χ^2/NDF:263995.2/13

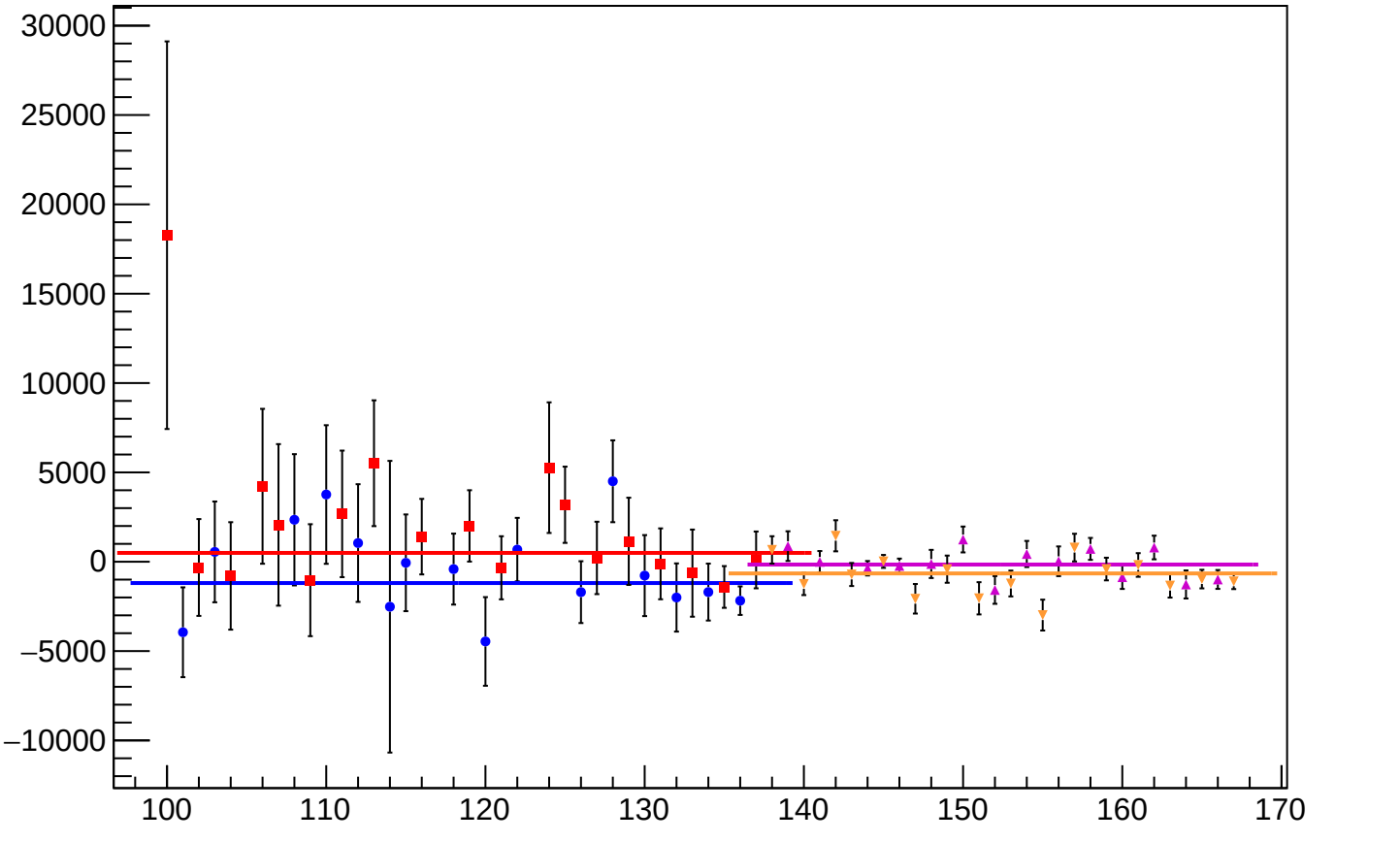
Left: 84.194+/-0.012 χ^2/NDF: 627927.0/29

Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 92.806+/-0.016 χ^2/NDF:2468969.9/29

Out: 91.837+/-0.015 χ^2/NDF:3082617.6/34

All: 92.302+/-0.011 χ^2/NDF: 5553549.3/64



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -654.692+/-156.208 χ^2/NDF:33.1/15

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -157.119+/-163.784 χ^2/NDF:19.5/13

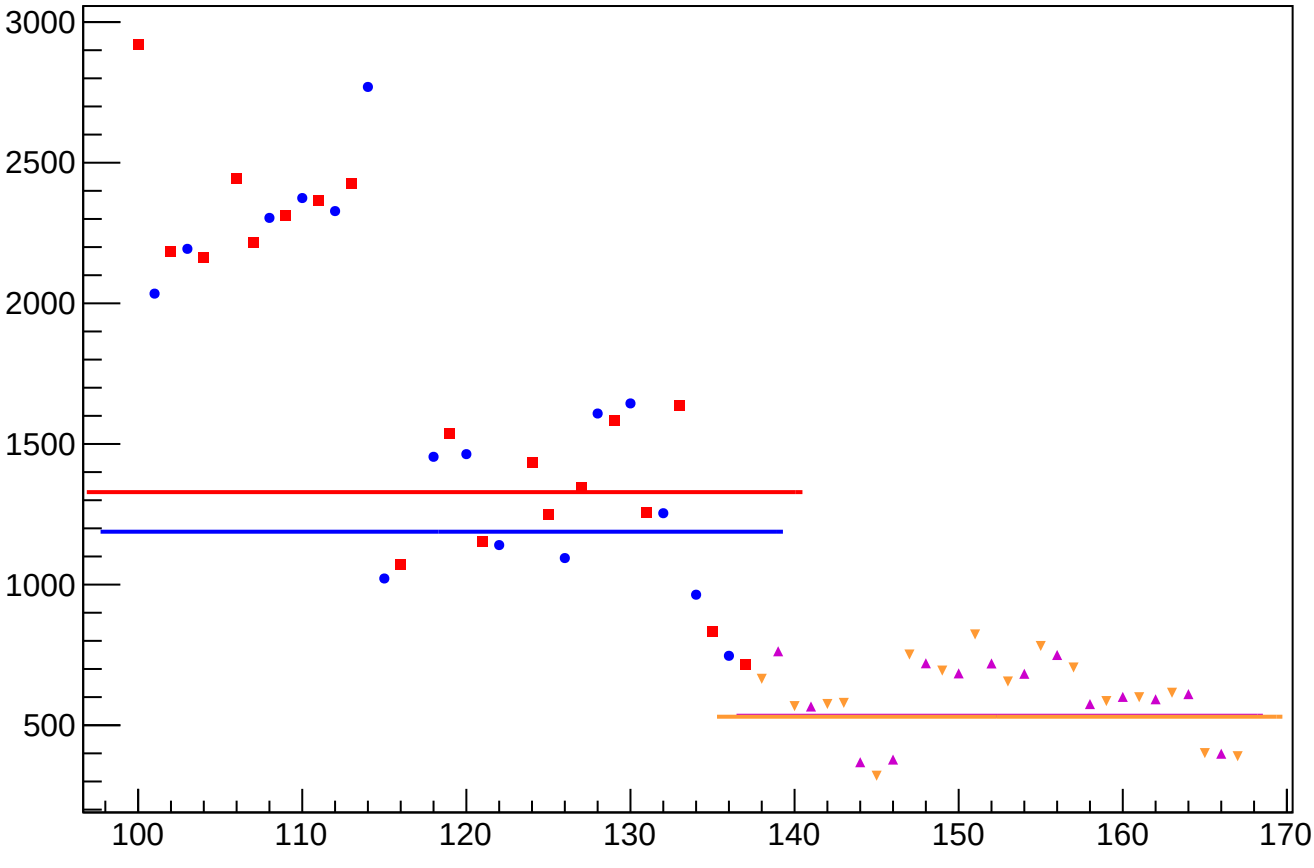
Left: -417.679+/-113.039 χ^2/NDF: 57.4/29

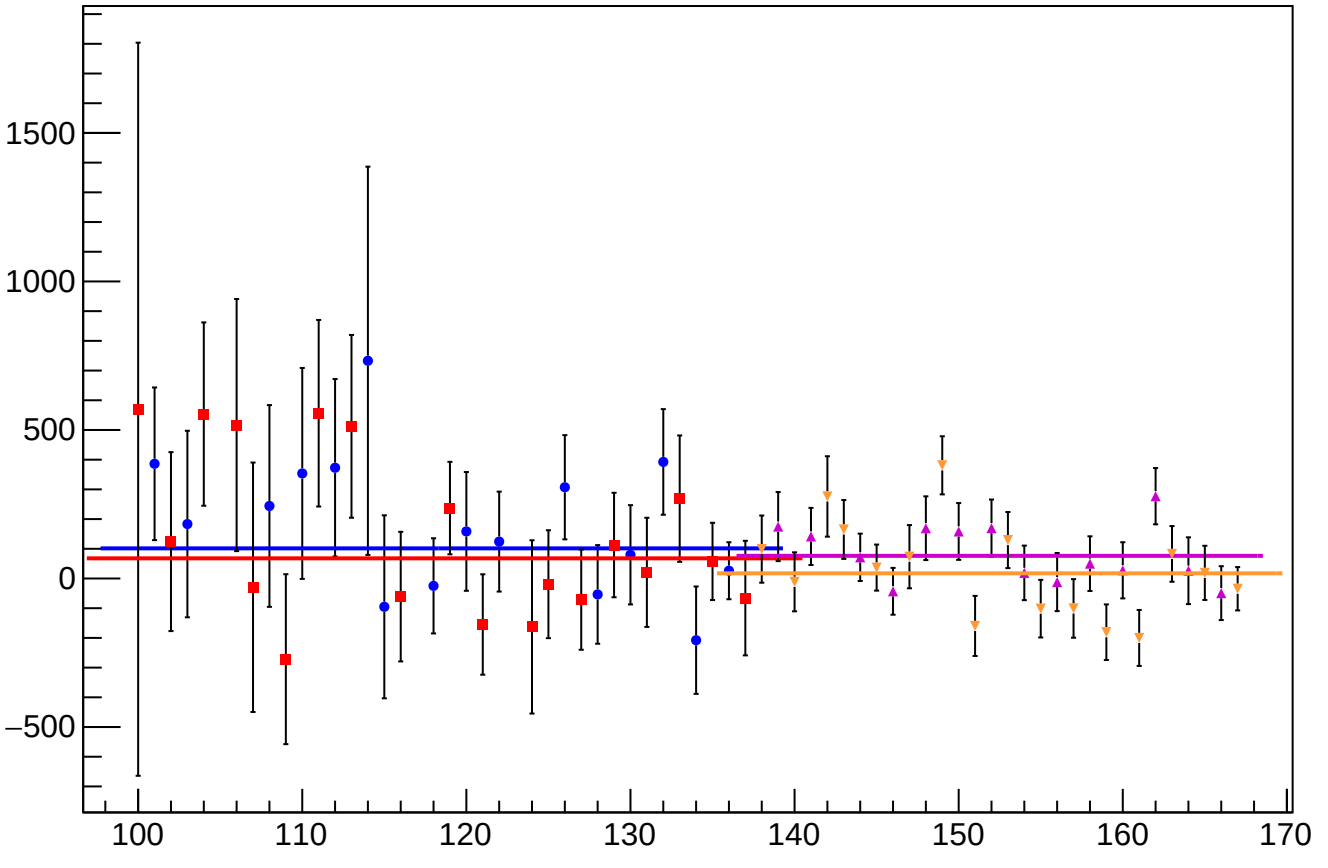
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -265.502+/-154.972 χ^2/NDF:39.6/29

Out: -560.149+/-149.645 χ^2/NDF:51.4/34

All: -417.976+/-107.649 χ^2/NDF: 92.9/64


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 530.288+/-0.110 χ²/NDF:1938546.6/15
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 533.783+/-0.116 χ²/NDF:1512802.2/13
Left: 531.953+/-0.080 χ²/NDF: 3451825.7/29
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 602.295+/-0.110 χ²/NDF:6899572.5/29
Out: 595.975+/-0.106 χ²/NDF:8195584.7/34
All: 599.025+/-0.076 χ²/NDF: 15096878.4/64



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 17.428+/-23.815 χ^2/NDF:38.9/15

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 76.297+/-25.236 χ^2/NDF:14.1/13

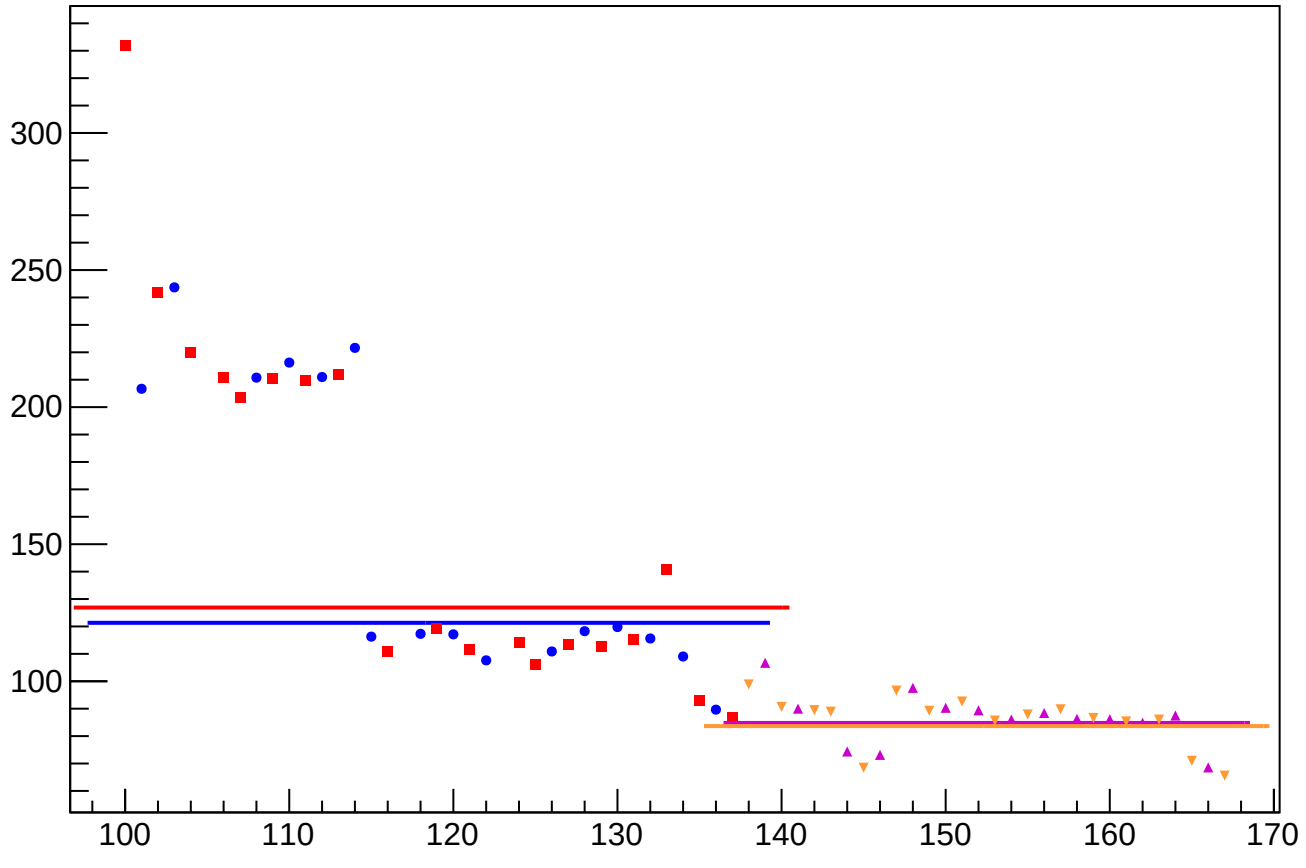
Left: 45.159+/-17.320 χ^2/NDF: 55.8/29

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 81.809+/-22.299 χ^2/NDF:27.6/29

Out: 26.964+/-21.447 χ^2/NDF:55.8/34

All: 53.318+/-15.458 χ^2/NDF: 86.6/64



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 83.654+/-0.017 χ^2/NDF:361748.0/15

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.800+/-0.018 χ^2/NDF:263995.2/13

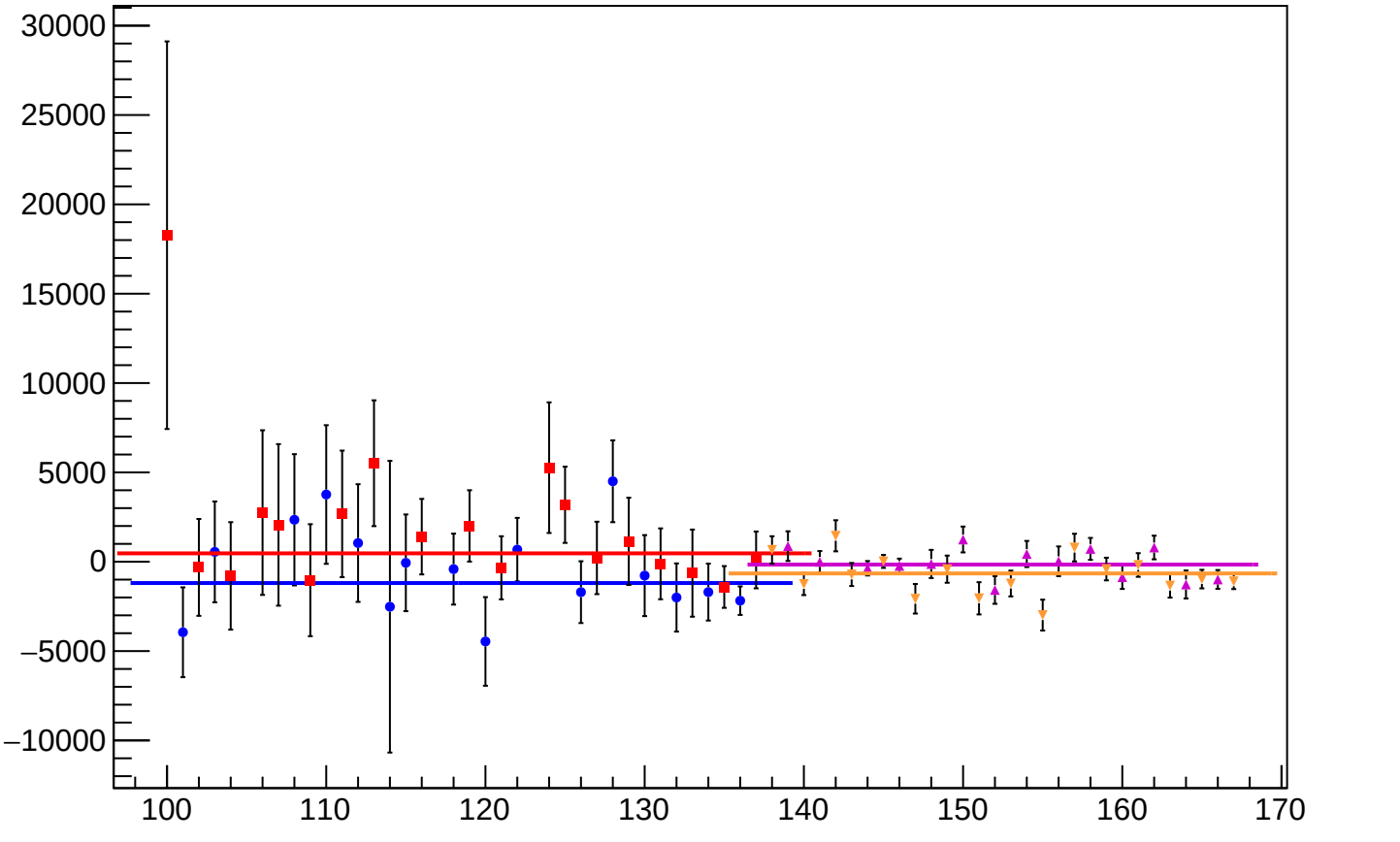
Left: 84.194+/-0.012 χ^2/NDF: 627926.9/29

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 92.806+/-0.016 χ^2/NDF:2468972.1/29

Out: 91.826+/-0.015 χ^2/NDF:3073492.9/34

All: 92.297+/-0.011 χ^2/NDF: 5544468.6/64



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -654.687+/-156.208 χ^2/NDF:33.1/15

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -157.114+/-163.784 χ^2/NDF:19.5/13

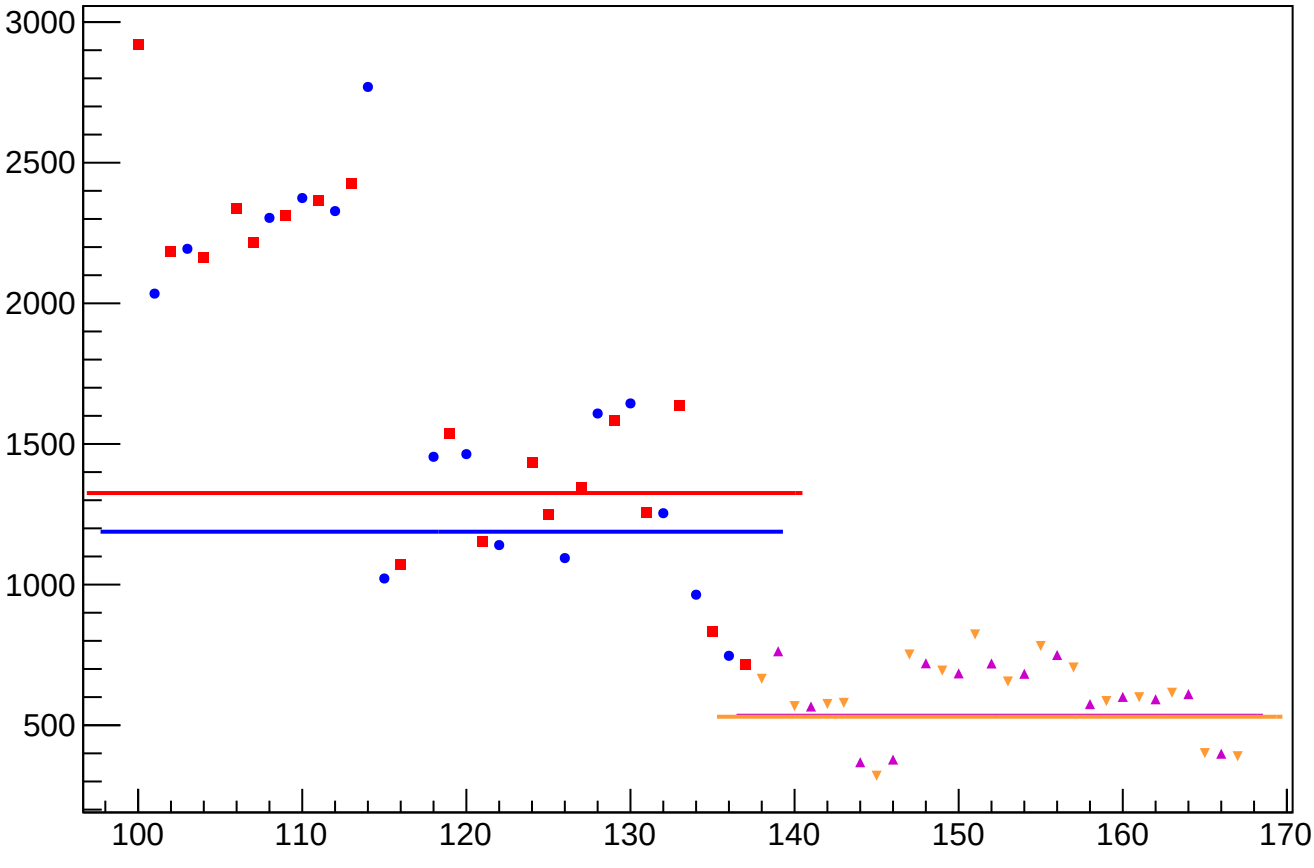
Left: -417.674+/-113.039 χ^2/NDF: 57.4/29

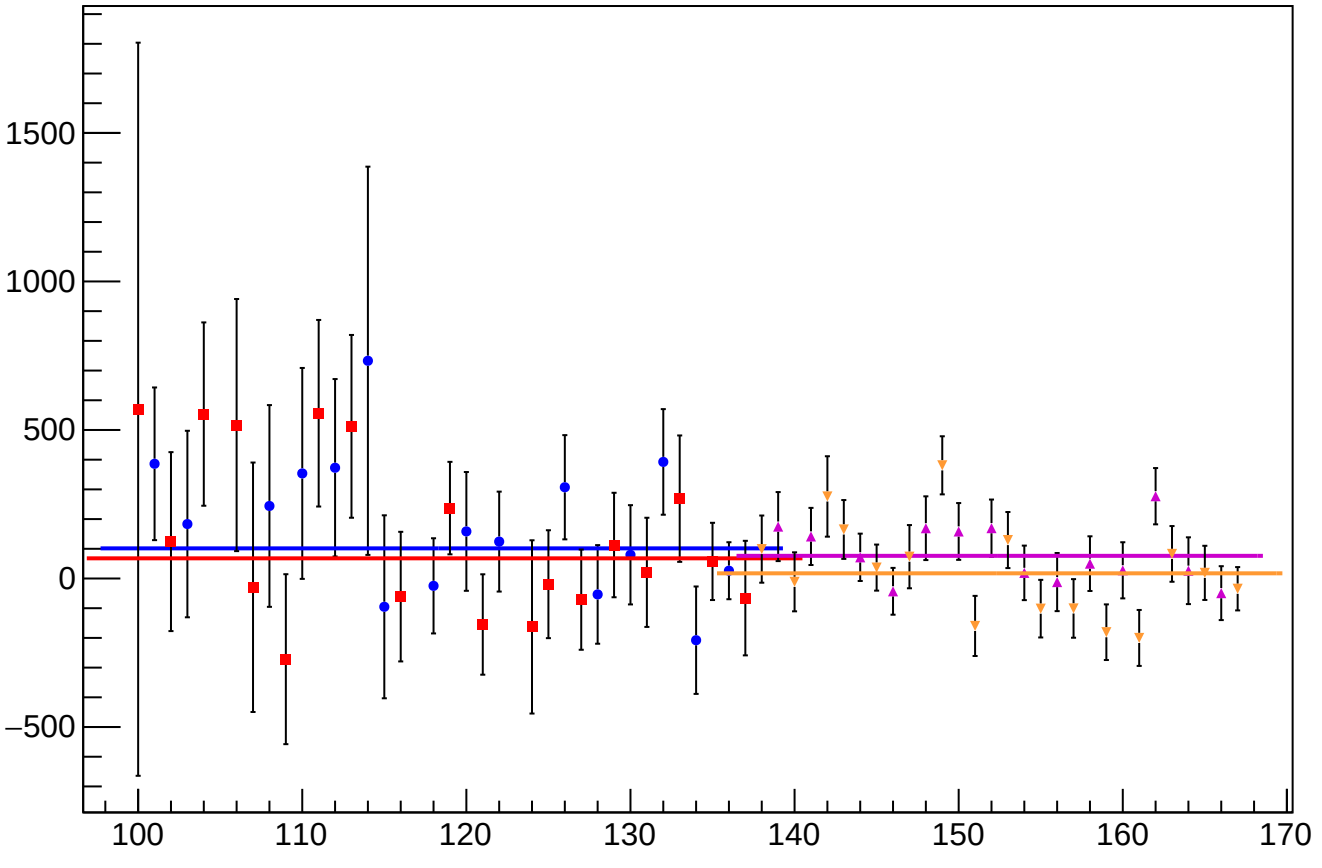
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -265.495+/-154.972 χ^2/NDF:39.6/29

Out: -562.337+/-149.656 χ^2/NDF:50.7/34

All: -419.095+/-107.653 χ^2/NDF: 92.2/64


asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 530.288+/-0.110 χ²/NDF:1938555.3/15
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 533.783+/-0.116 χ²/NDF:1512806.2/13
Left: 531.953+/-0.080 χ²/NDF: 3451838.5/29
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 602.295+/-0.110 χ²/NDF:6899597.3/29
Out: 595.605+/-0.106 χ²/NDF:8117171.4/34
All: 598.833+/-0.076 χ²/NDF: 15018697.5/64



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 17.428+/-23.815 χ^2/NDF:38.9/15

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 76.297+/-25.236 χ^2/NDF:14.1/13

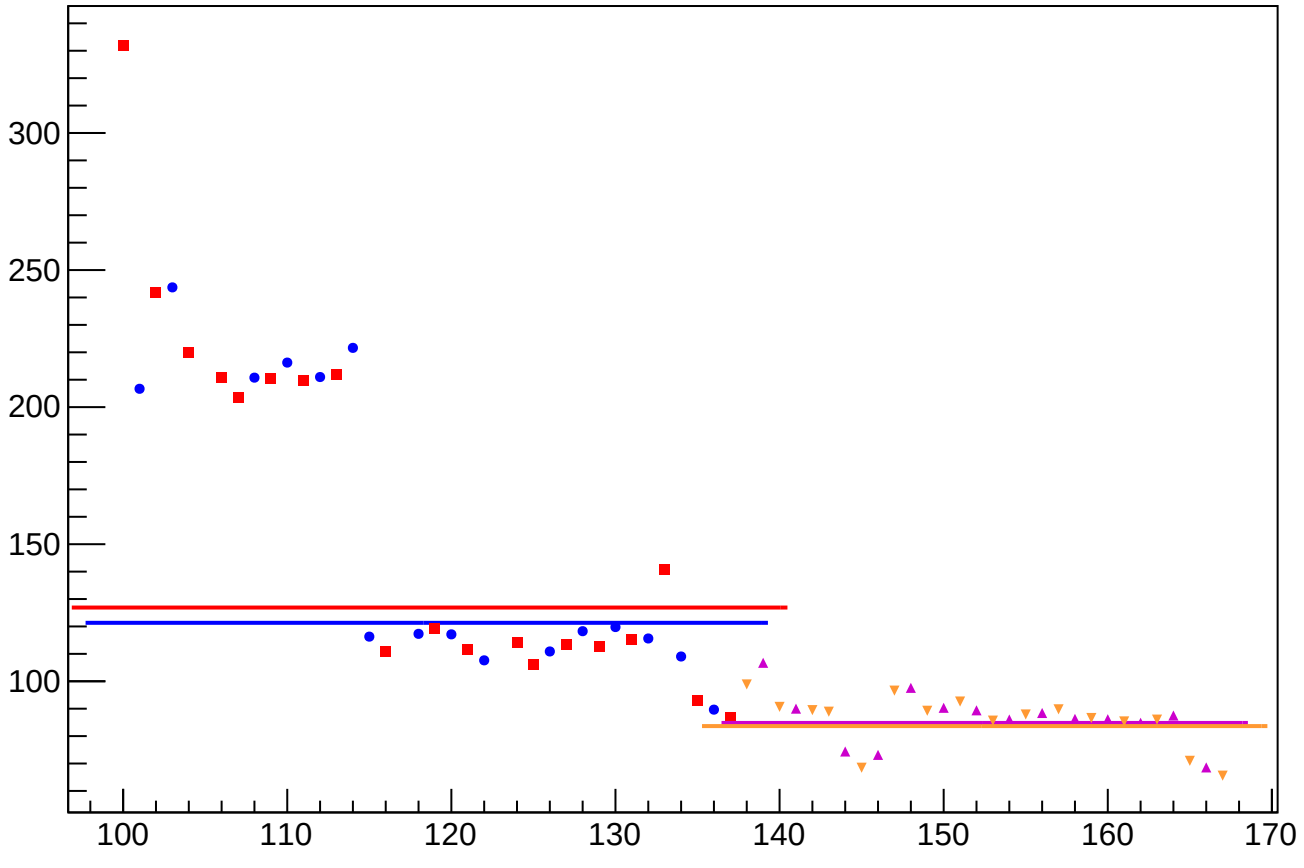
Left: 45.159+/-17.320 χ^2/NDF: 55.8/29

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 81.809+/-22.299 χ^2/NDF:27.6/29

Out: 26.964+/-21.447 χ^2/NDF:55.8/34

All: 53.318+/-15.458 χ^2/NDF: 86.6/64



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 83.654+/-0.017 χ^2/NDF:361748.0/15

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.800+/-0.018 χ^2/NDF:263995.2/13

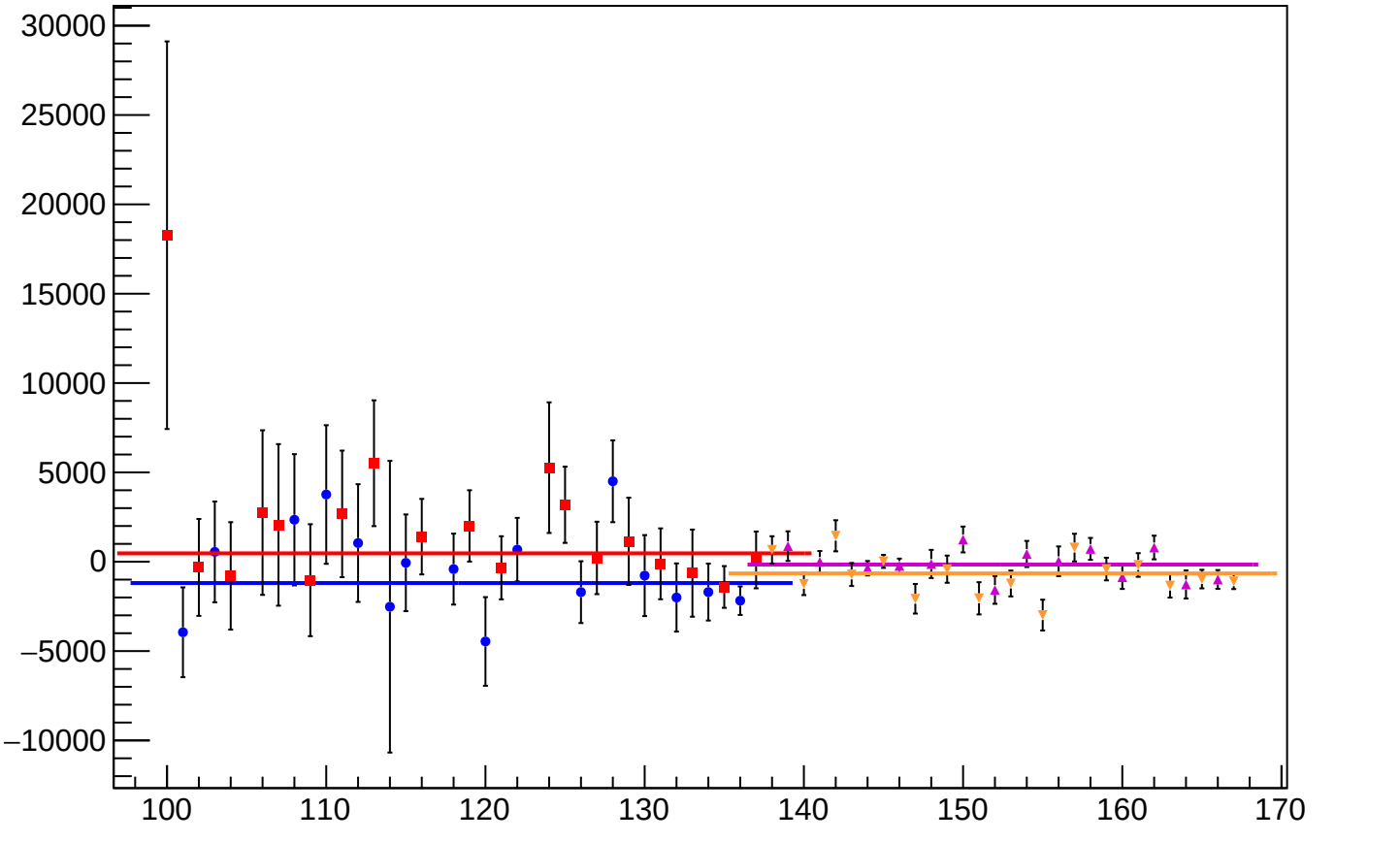
Left: 84.194+/-0.012 χ^2/NDF: 627926.9/29

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 92.806+/-0.016 χ^2/NDF:2468972.1/29

Out: 91.826+/-0.015 χ^2/NDF:3073492.9/34

All: 92.297+/-0.011 χ^2/NDF: 5544468.6/64



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -654.687+/-156.208 χ^2/NDF:33.1/15

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -157.114+/-163.784 χ^2/NDF:19.5/13

Left: -417.674+/-113.039 χ^2/NDF: 57.4/29

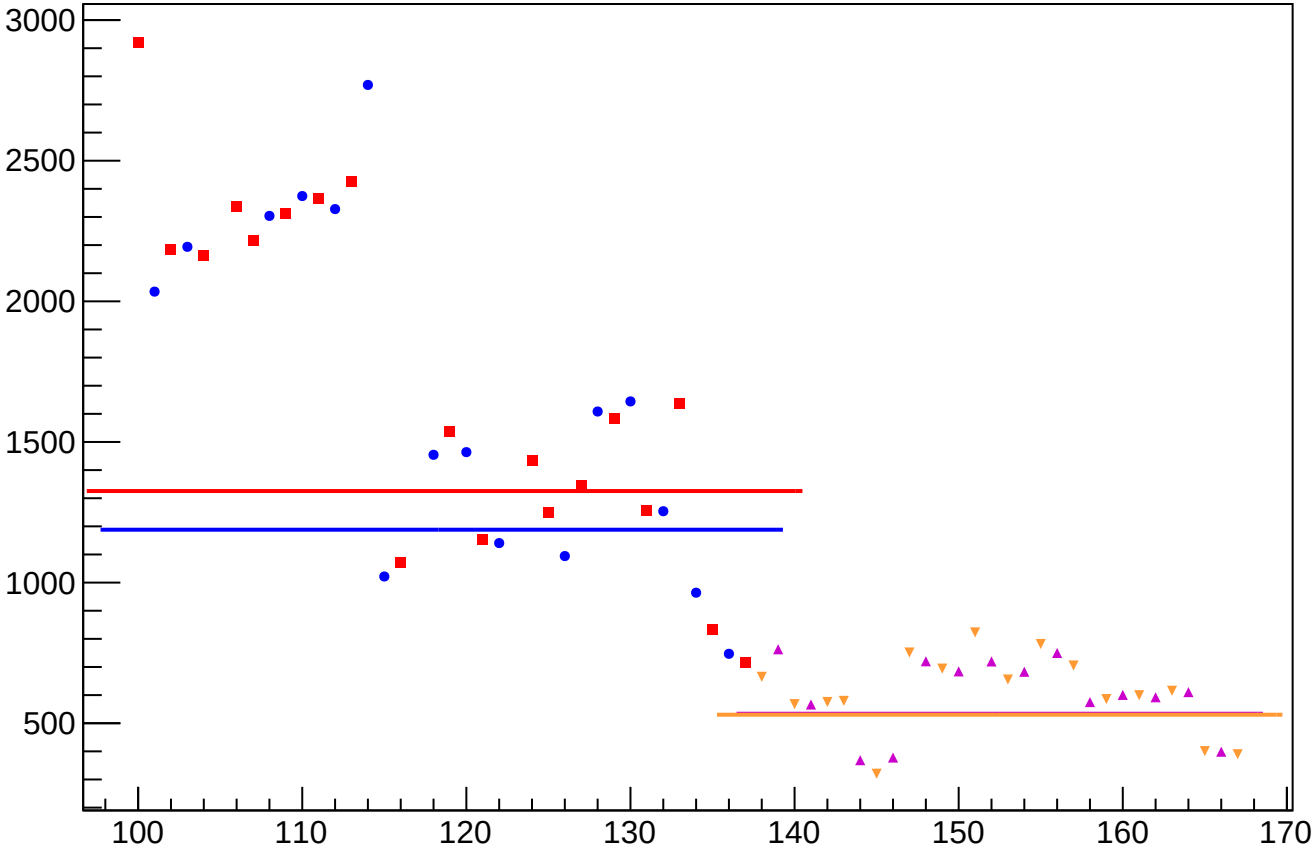
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -265.495+/-154.972 χ^2/NDF:39.6/29

Out: -562.337+/-149.656 χ^2/NDF:50.7/34

All: -419.095+/-107.653 χ^2/NDF: 92.2/64

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 530.288+/-0.110 χ^2/NDF:1938555.3/15

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 533.783+/-0.116 χ^2/NDF:1512806.2/13

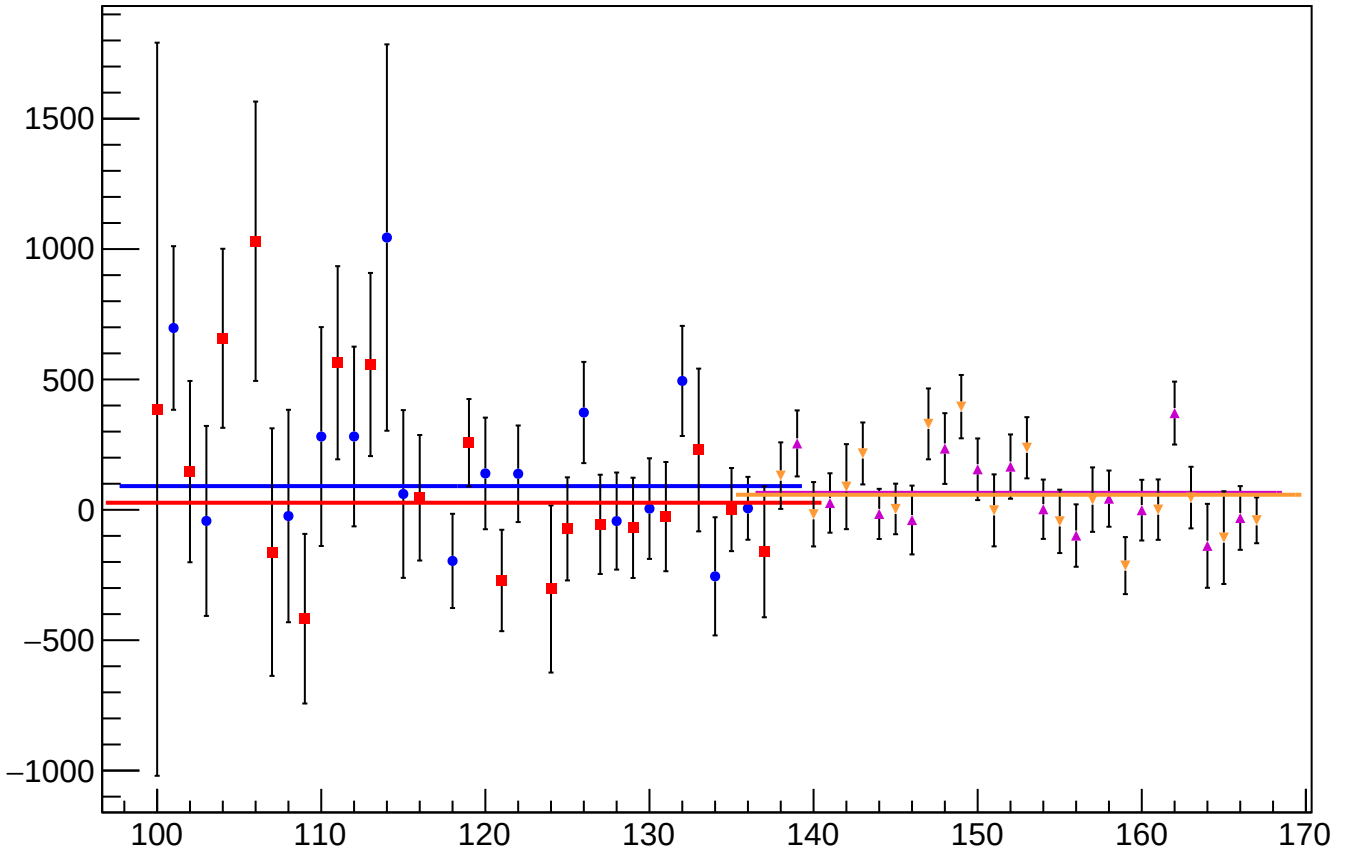
Left: 531.953+/-0.080 χ^2/NDF: 3451838.5/29

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 602.295+/-0.110 χ^2/NDF:6899597.3/29

Out: 595.605+/-0.106 χ^2/NDF:8117171.4/34

All: 598.833+/-0.076 χ^2/NDF: 15018697.5/64



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 57.781+/-29.974 χ^2/NDF:26.4/15

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 65.109+/-31.980 χ^2/NDF:17.7/13

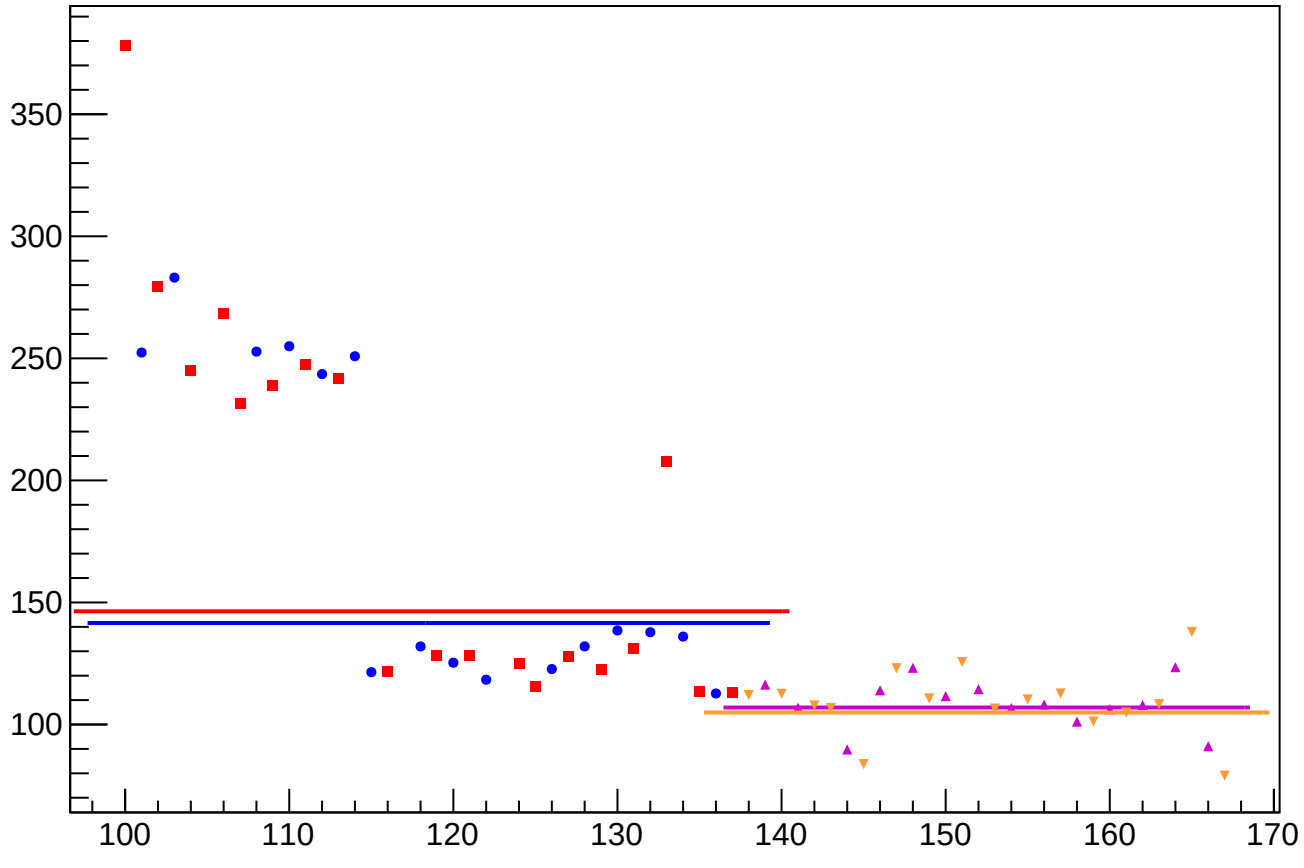
Left: 61.208+/-21.870 χ^2/NDF: 44.1/29

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 71.528+/-27.717 χ^2/NDF:35.9/29

Out: 51.153+/-26.531 χ^2/NDF:47.1/34

All: 60.895+/-19.166 χ^2/NDF: 83.4/64



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 104.925+/-0.021 χ^2/NDF:453287.9/15

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 106.967+/-0.023 χ^2/NDF:180807.3/13

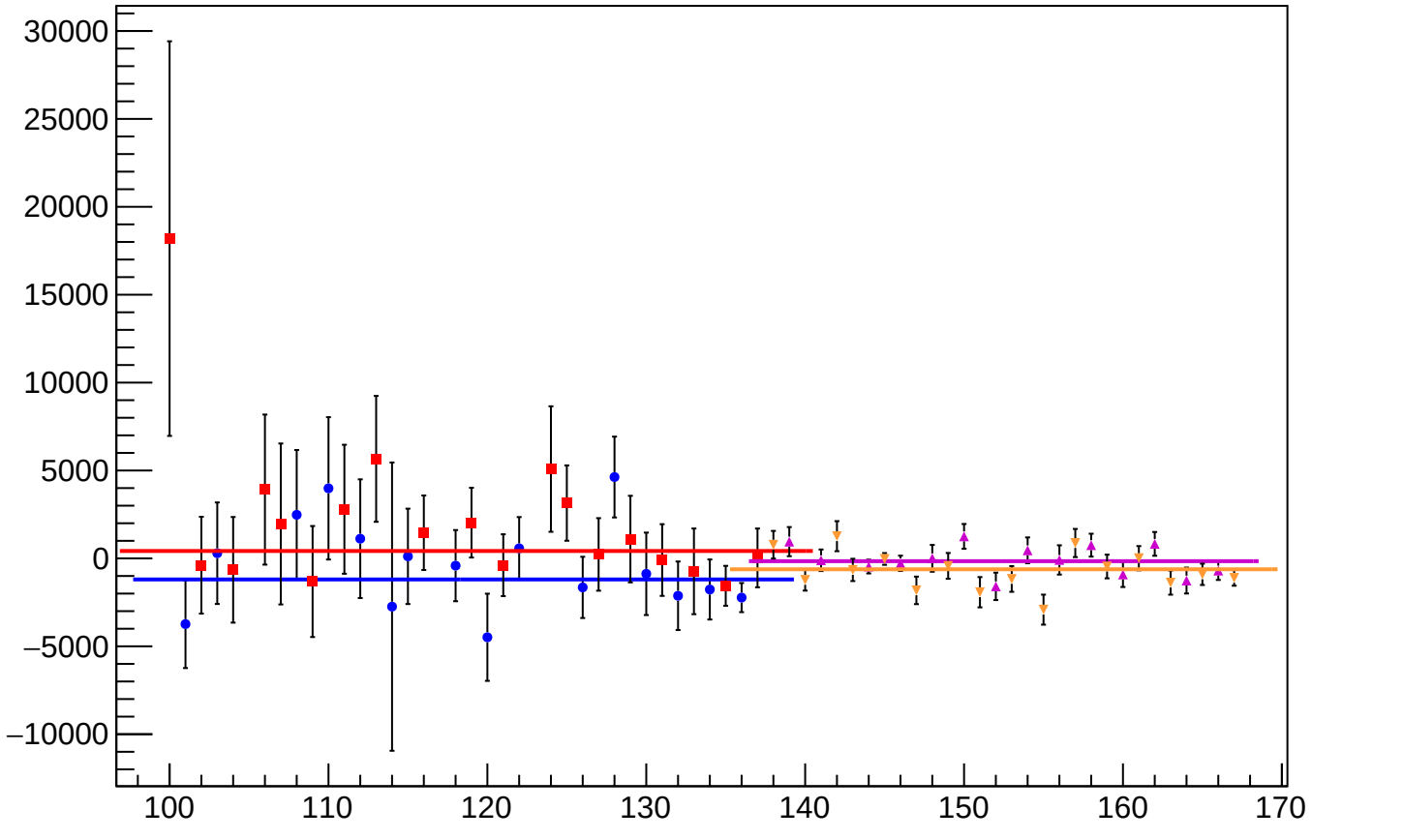
Left: 105.880+/-0.015 χ^2/NDF: 638434.8/29

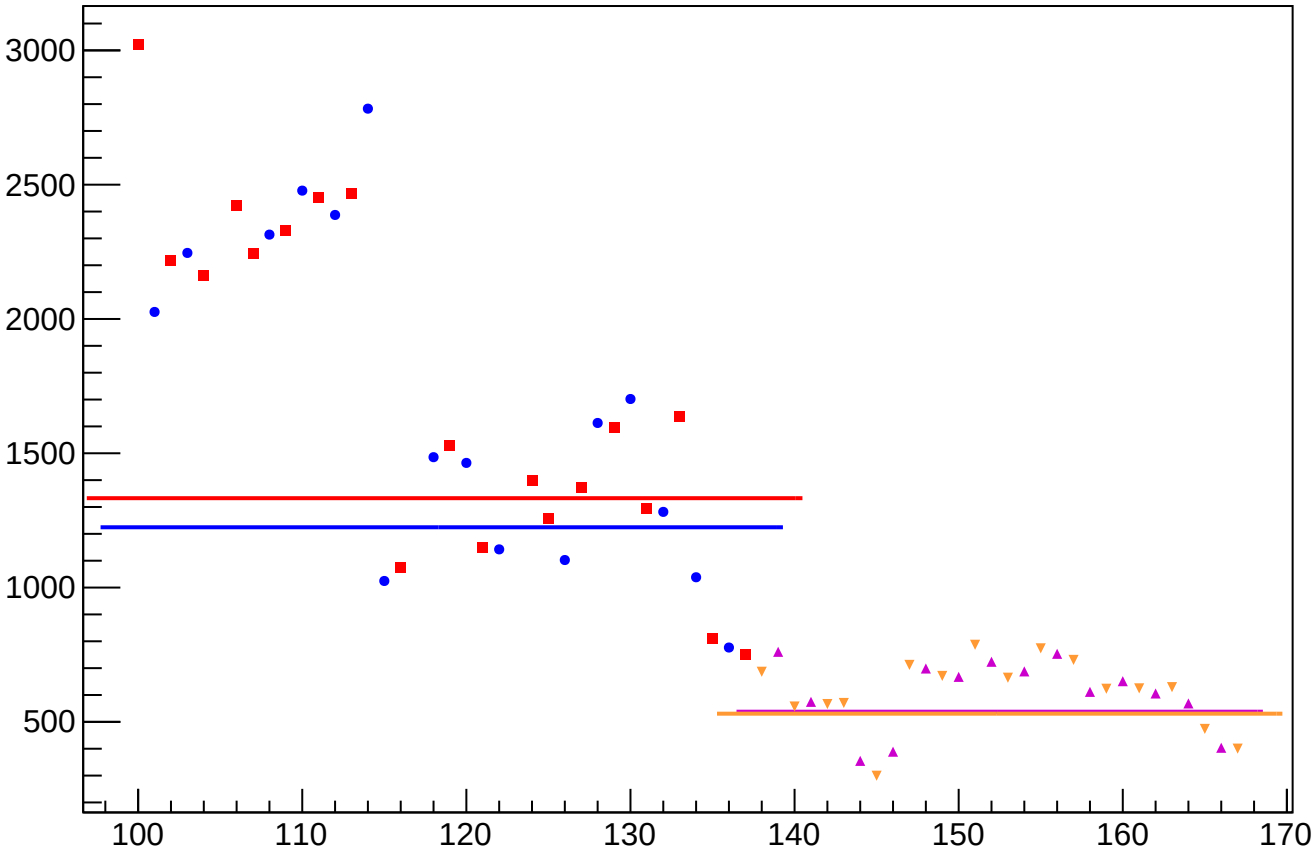
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

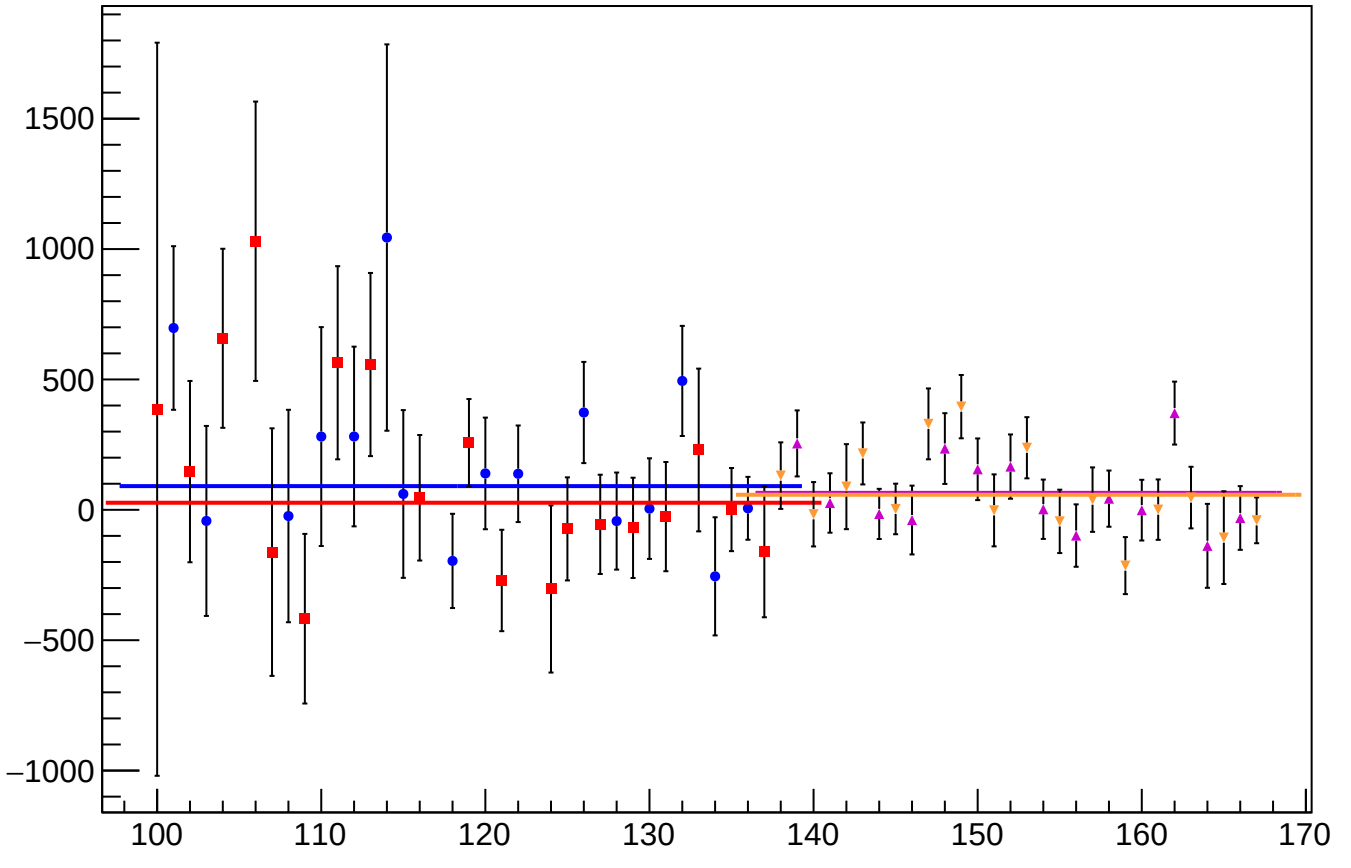
In: 115.581+/-0.020 χ^2/NDF:2026375.4/29

Out: 113.899+/-0.019 χ^2/NDF:2794847.2/34

All: 114.703+/-0.014 χ^2/NDF: 4825065.7/64


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -618.555+/-156.246 χ²/NDF:31.6/15
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -157.037+/-165.572 χ²/NDF:19.1/13
Left: -401.160+/-113.637 χ²/NDF: 54.8/29
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -263.037+/-156.905 χ²/NDF:39.1/29
Out: -533.530+/-149.728 χ²/NDF:49.5/34
All: -404.611+/-108.322 χ²/NDF: 90.1/64


asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1224.470+/-0.347 χ²/NDF: 1959362.3/15
Left Out: 530.473+/-0.110 χ²/NDF:2068514.6/15
Right Out: 1332.785+/-0.370 χ²/NDF: 1994811.5/18
Left In: 537.857+/-0.117 χ²/NDF:1539257.1/13
Left: 533.951+/-0.080 χ²/NDF: 3609876.0/29
Right: 1275.169+/-0.253 χ²/NDF: 3999659.2/34
In: 607.864+/-0.111 χ²/NDF:7005390.9/29
Out: 596.021+/-0.106 χ²/NDF:8371707.8/34
All: 601.666+/-0.077 χ²/NDF: 15383062.7/64



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 57.781+/-29.975 χ^2/NDF:26.4/15

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 65.107+/-31.980 χ^2/NDF:17.7/13

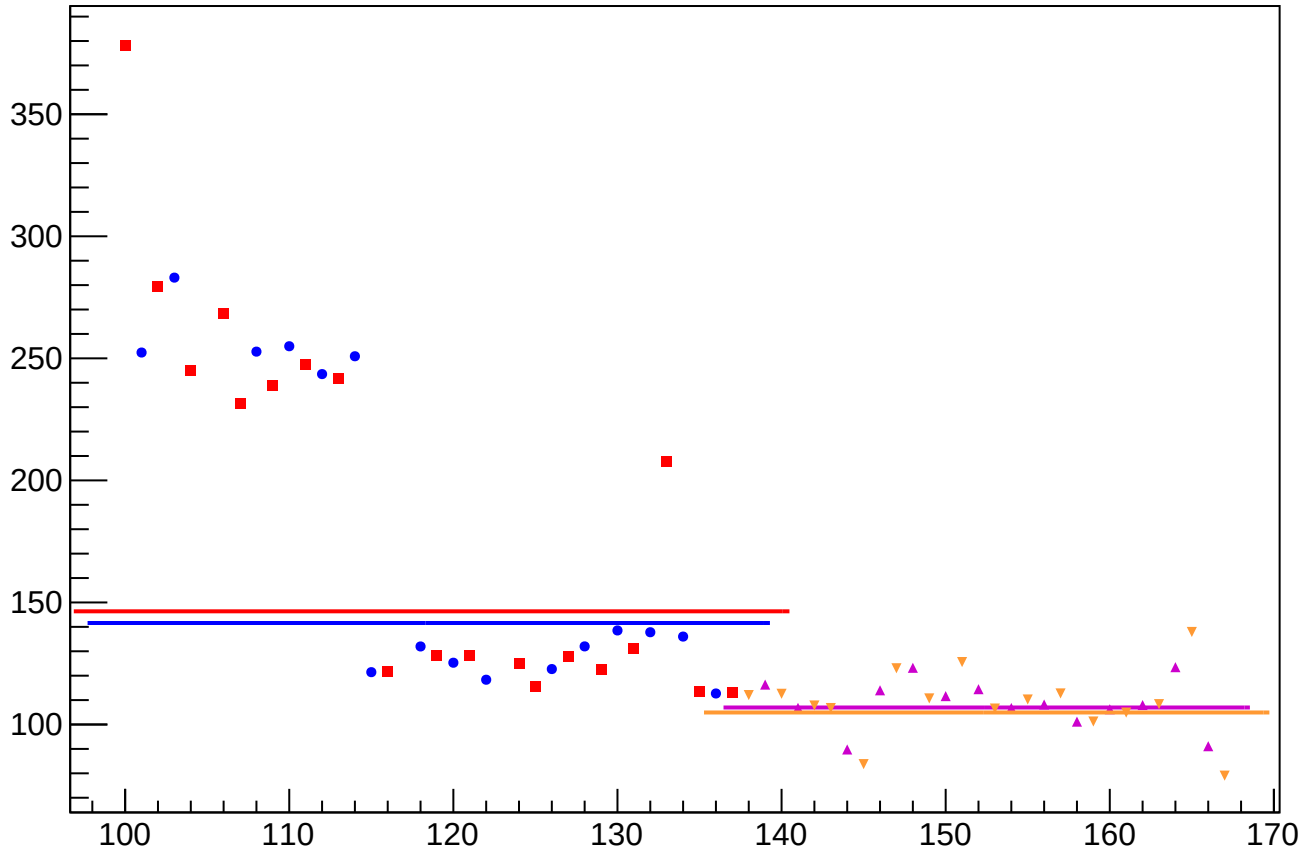
Left: 61.207+/-21.870 χ^2/NDF: 44.1/29

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 71.527+/-27.717 χ^2/NDF:35.9/29

Out: 51.152+/-26.531 χ^2/NDF:47.1/34

All: 60.895+/-19.166 χ^2/NDF: 83.4/64



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 104.925+/-0.021 χ^2/NDF:453282.9/15

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 106.967+/-0.023 χ^2/NDF:180808.1/13

Left: 105.880+/-0.015 χ^2/NDF: 638430.7/29

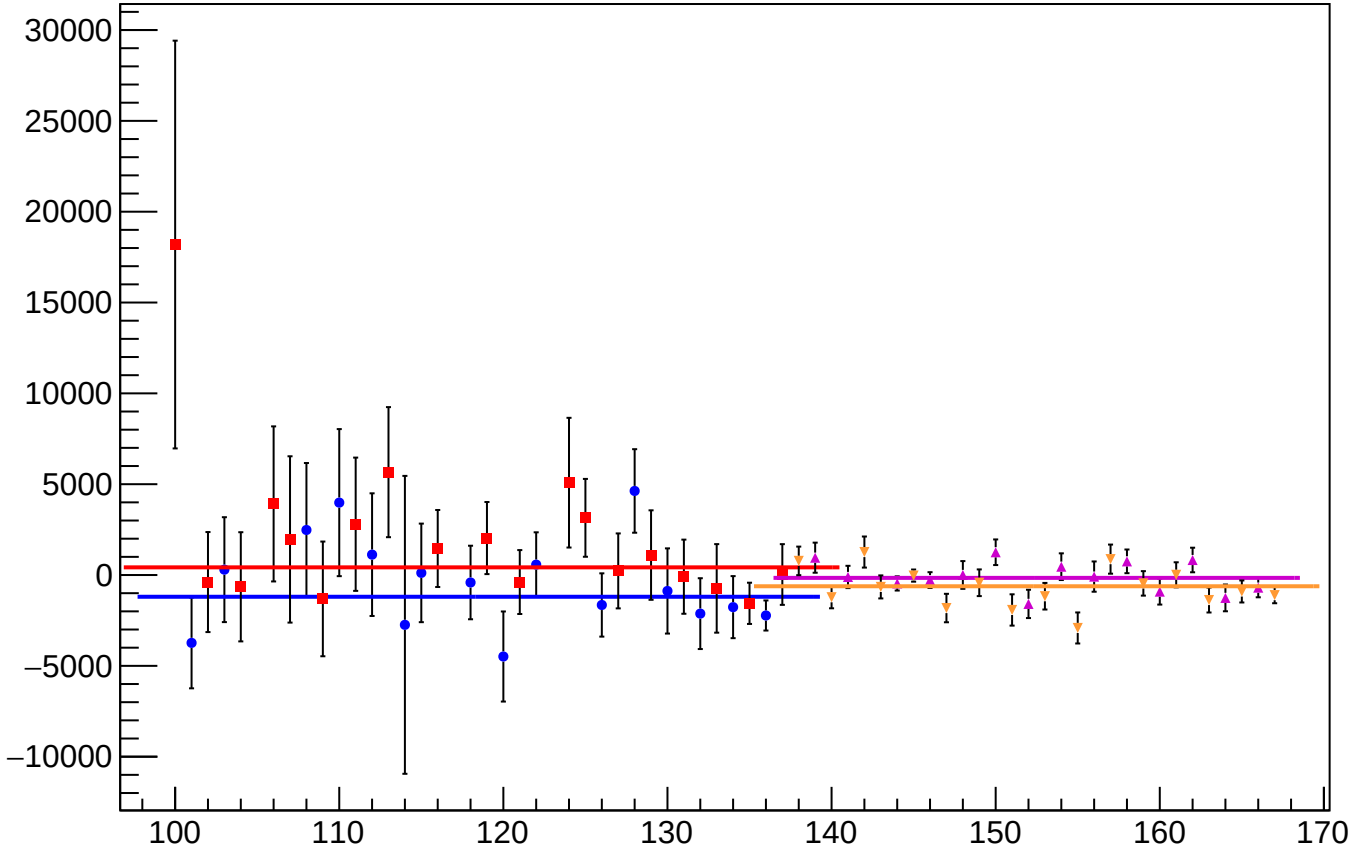
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 115.581+/-0.020 χ^2/NDF:2026330.1/29

Out: 113.899+/-0.019 χ^2/NDF:2794804.8/34

All: 114.703+/-0.014 χ^2/NDF: 4824977.8/64

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -618.553+/-156.246 χ^2/NDF:31.6/15

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -157.037+/-165.572 χ^2/NDF:19.1/13

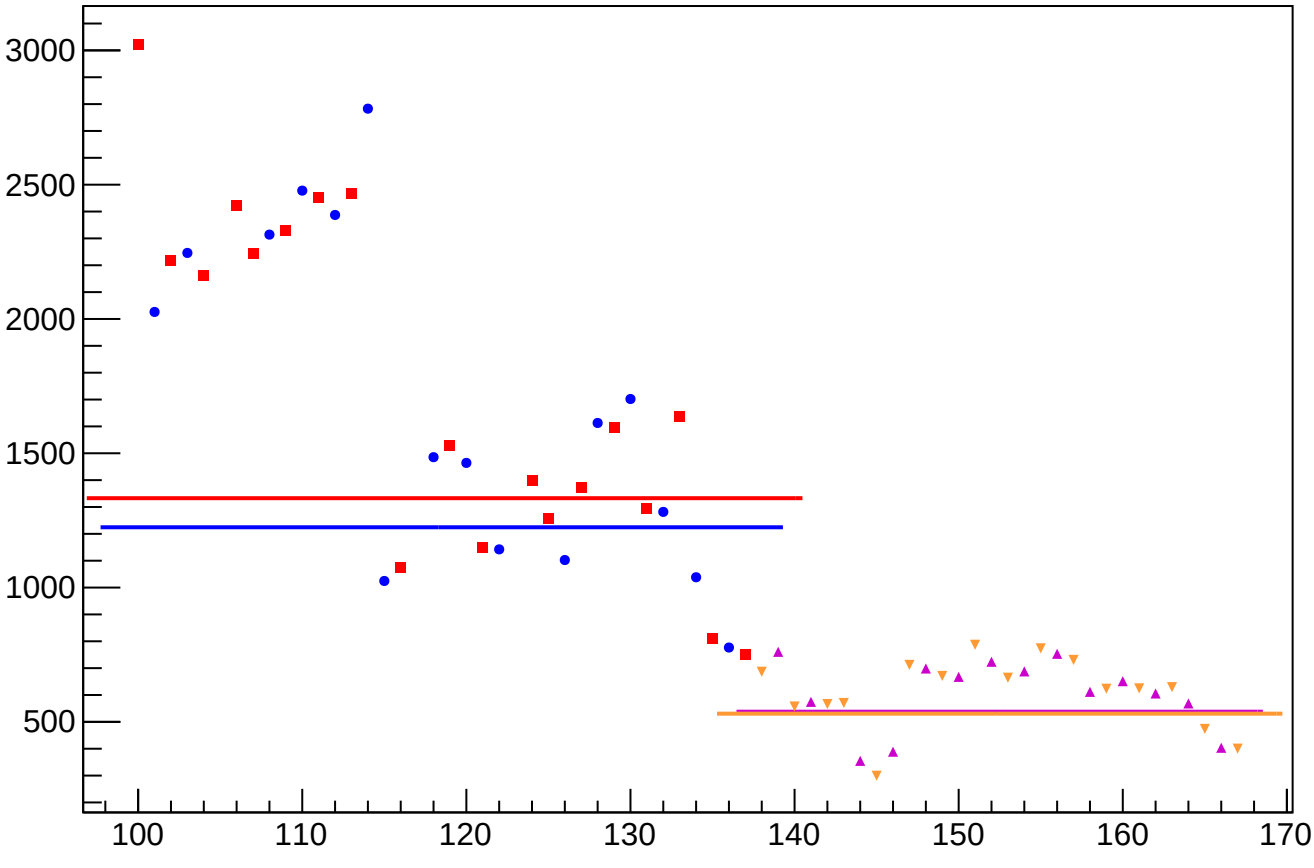
Left: -401.159+/-113.637 χ^2/NDF: 54.8/29

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -263.037+/-156.905 χ^2/NDF:39.1/29

Out: -533.528+/-149.727 χ^2/NDF:49.5/34

All: -404.610+/-108.322 χ^2/NDF: 90.1/64



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 530.472+/-0.110 χ^2/NDF:2068556.0/15

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 537.856+/-0.117 χ^2/NDF:1539273.3/13

Left: 533.950+/-0.080 χ^2/NDF: 3609933.9/29

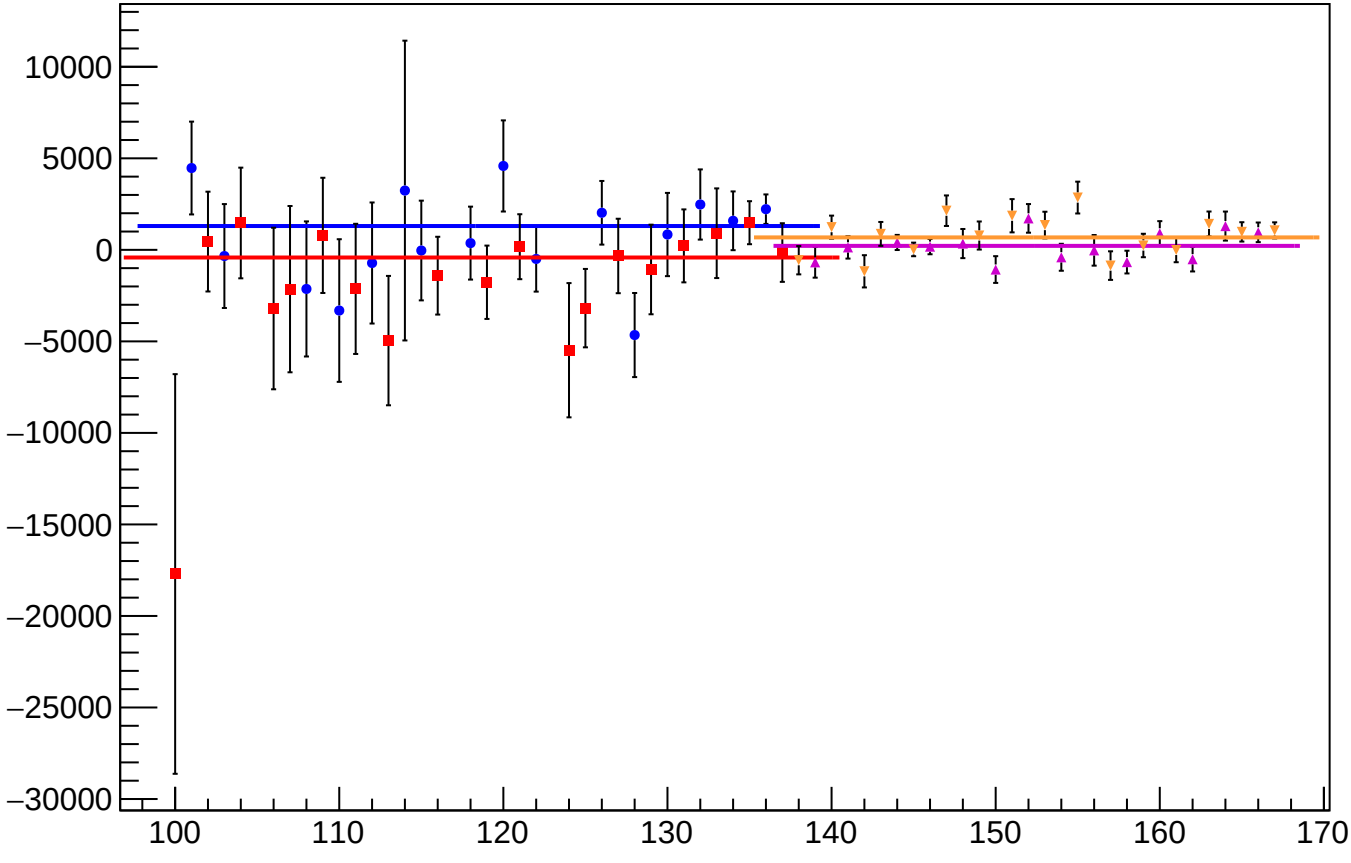
Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 607.864+/-0.111 χ^2/NDF:7005397.6/29

Out: 596.020+/-0.106 χ^2/NDF:8371748.9/34

All: 601.664+/-0.077 χ^2/NDF: 15383111.1/64

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 679.604+/-158.339 χ^2/NDF:30.6/15

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 217.219+/-166.117 χ^2/NDF:17.1/13

Left: 459.490+/-114.614 χ^2/NDF: 51.8/29

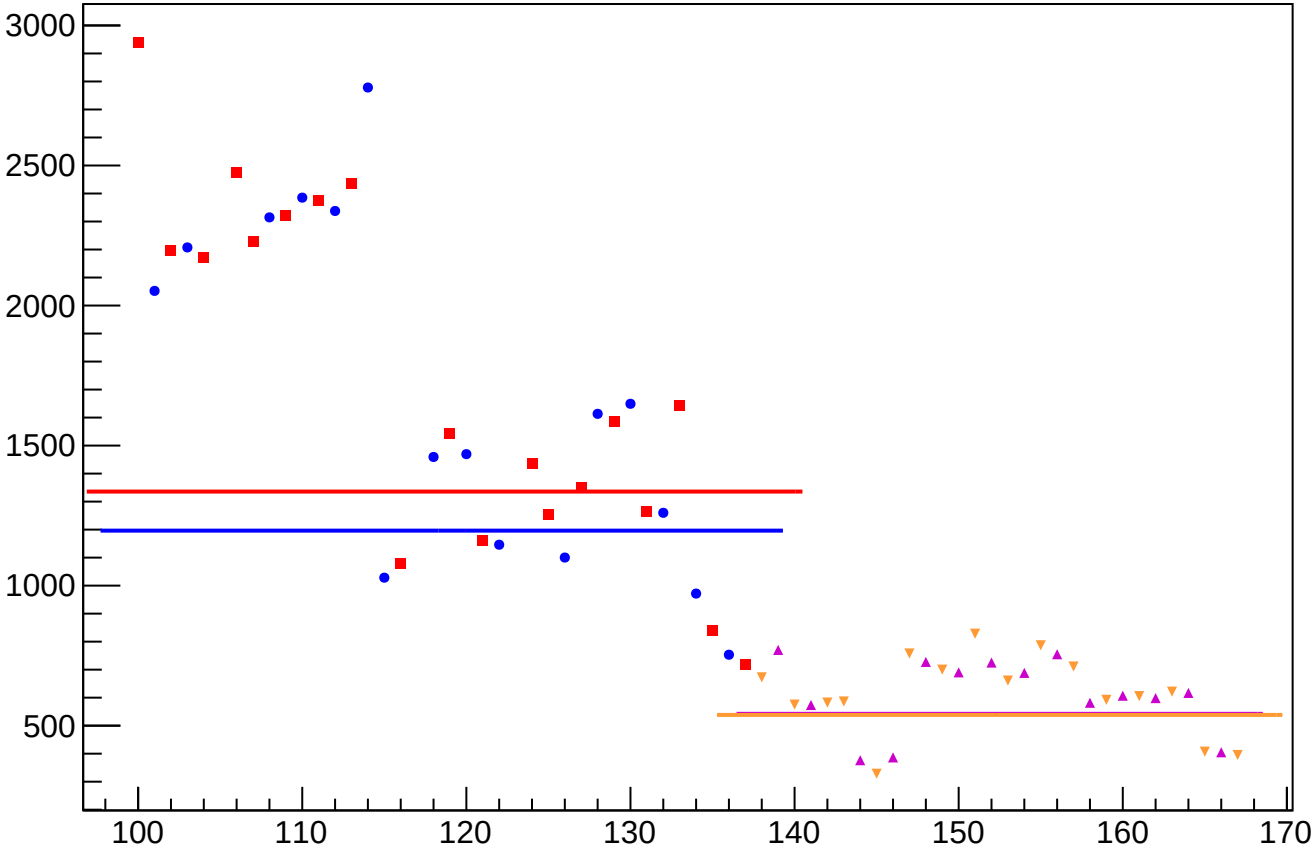
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 332.365+/-157.050 χ^2/NDF:38.1/29

Out: 587.910+/-151.583 χ^2/NDF:47.7/34

All: 464.663+/-109.067 χ^2/NDF: 87.1/64

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 538.341+/-0.112 χ^2/NDF:1871828.3/15

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 542.204+/-0.117 χ^2/NDF:1453676.6/13

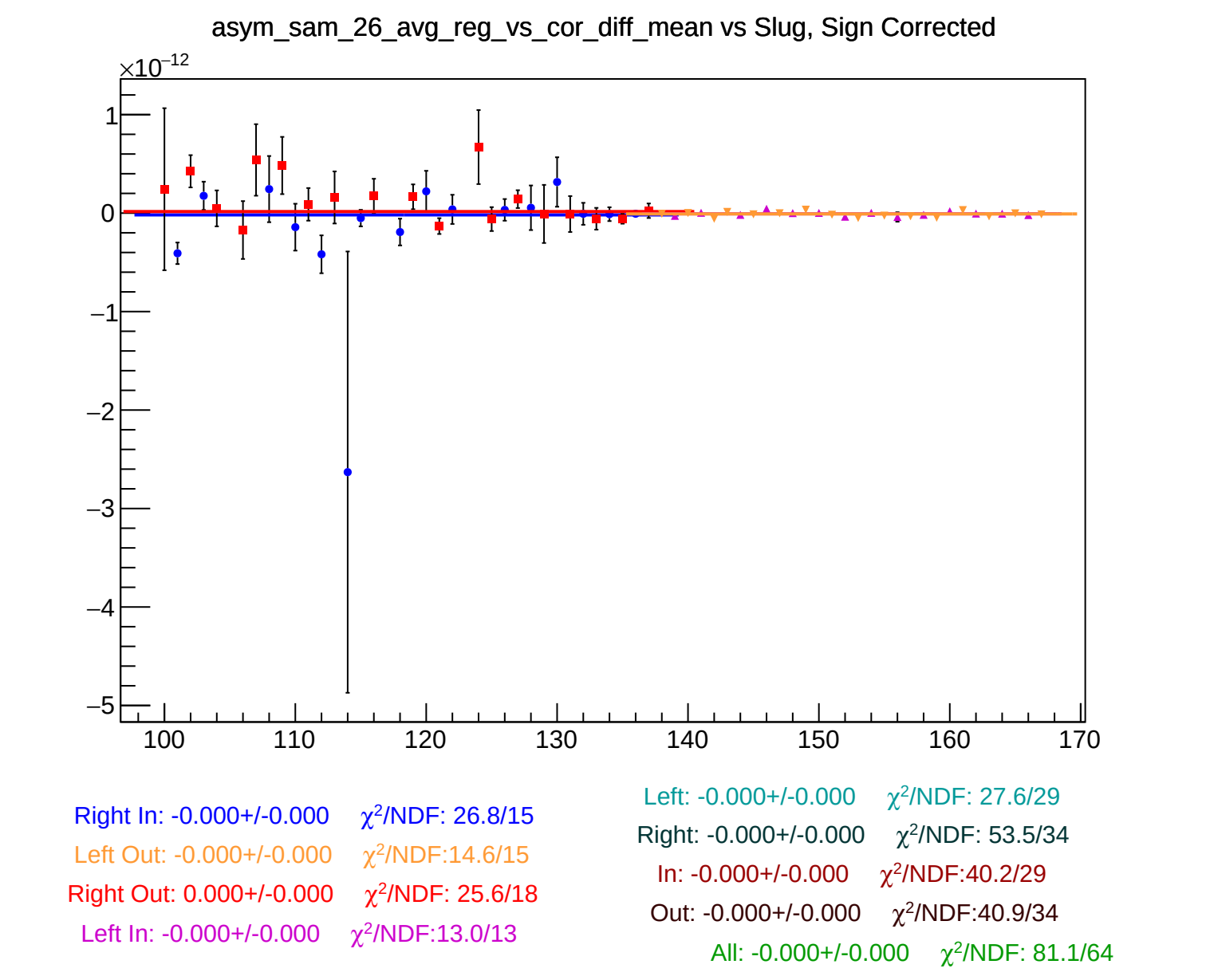
Left: 540.180+/-0.081 χ^2/NDF: 3326071.5/29

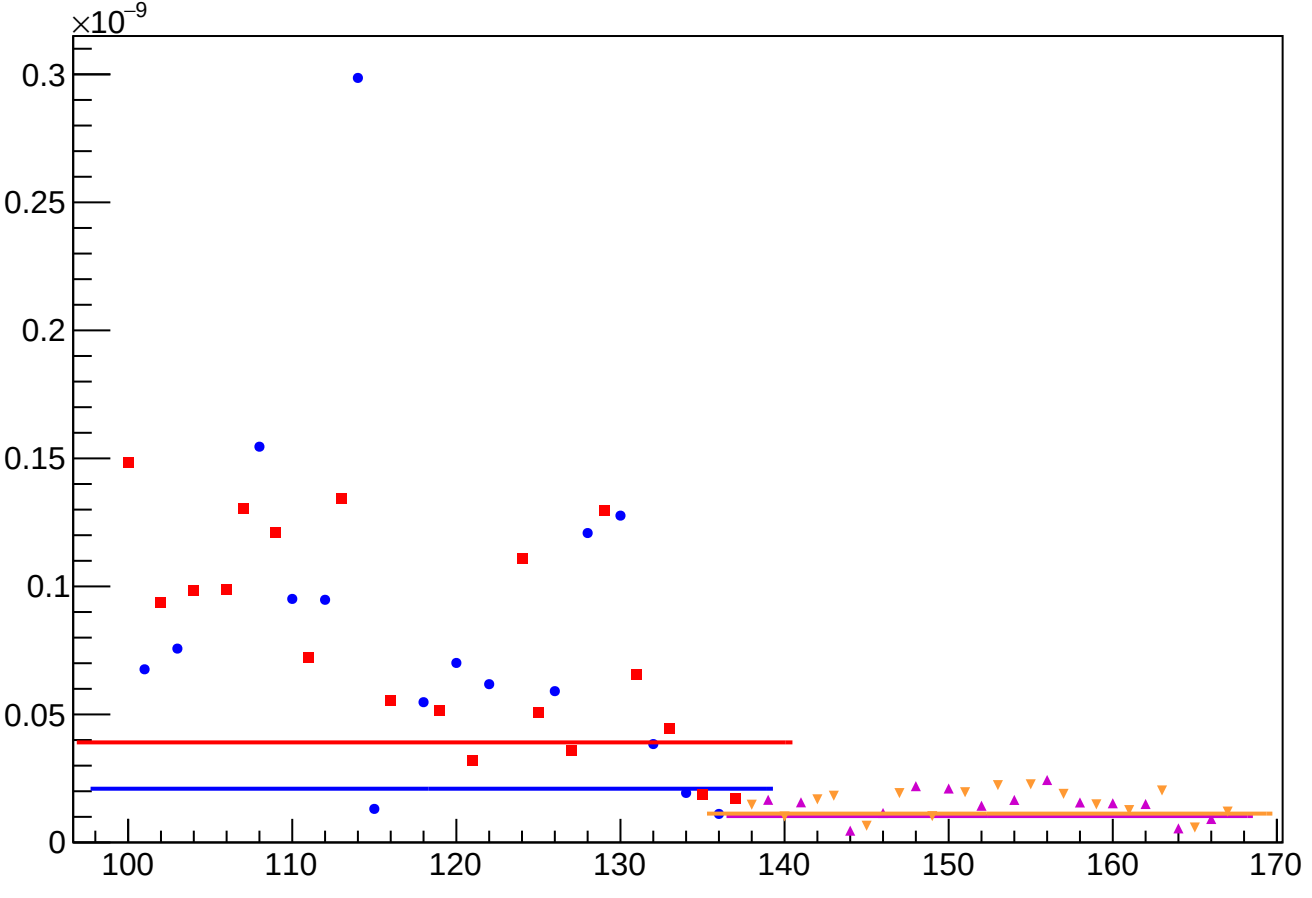
Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 611.664+/-0.111 χ^2/NDF:6778541.8/29

Out: 604.945+/-0.107 χ^2/NDF:8060349.6/34

All: 608.185+/-0.077 χ^2/NDF: 14840786.5/64


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 26.8/15
Left Out: -0.000+/-0.000 χ²/NDF:14.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 25.6/18
Left In: -0.000+/-0.000 χ²/NDF:13.0/13
Left: -0.000+/-0.000 χ²/NDF: 27.6/29
Right: -0.000+/-0.000 χ²/NDF: 53.5/34
In: -0.000+/-0.000 χ²/NDF:40.2/29
Out: -0.000+/-0.000 χ²/NDF:40.9/34
All: -0.000+/-0.000 χ²/NDF: 81.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1806620.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2017809.5/13

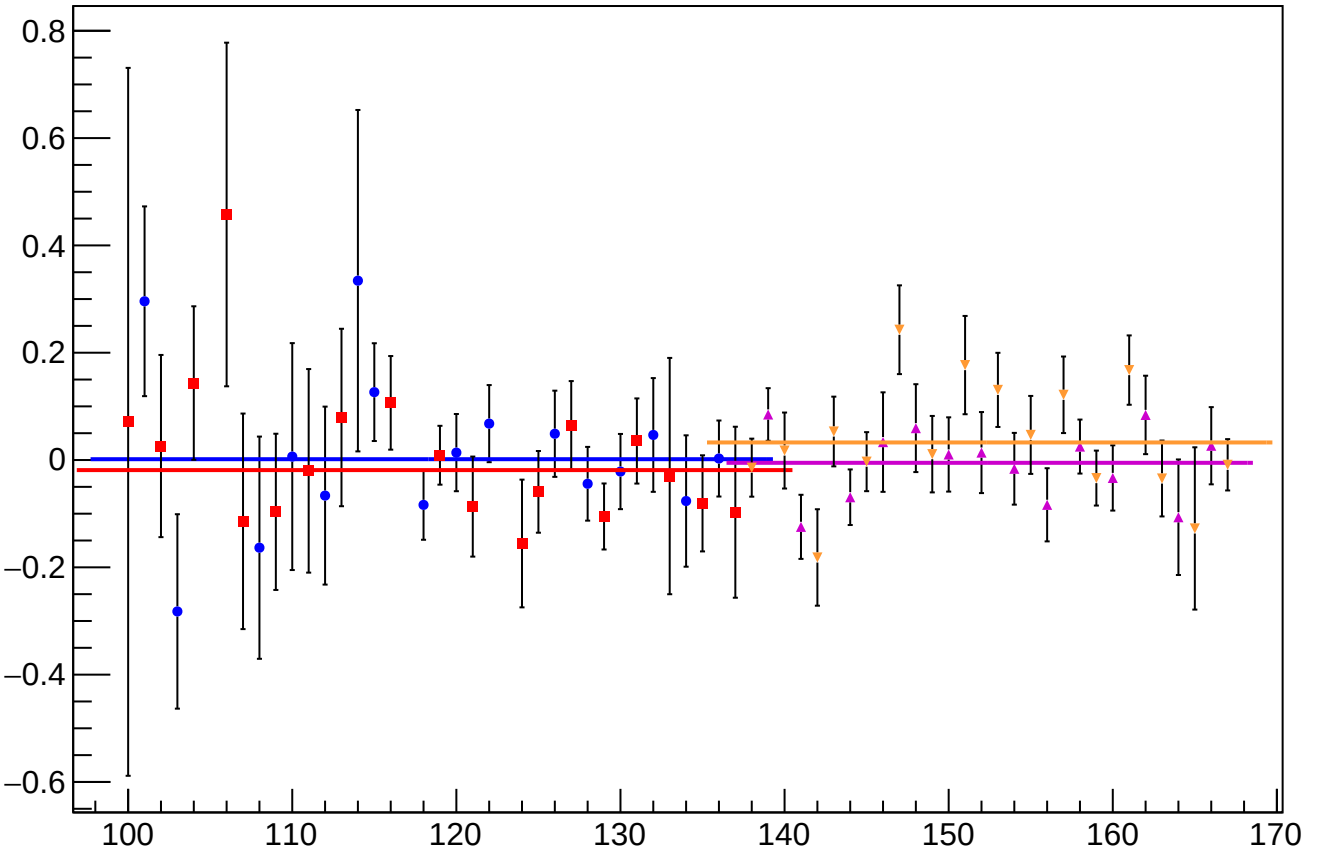
Left: 0.000+/-0.000 χ^2/NDF: 3854513.0/29

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6053270.8/29

Out: 0.000+/-0.000 χ^2/NDF:5838644.1/34

All: 0.000+/-0.000 χ^2/NDF: 11929285.6/64



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.033+/-0.017 χ^2/NDF:28.4/15

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.017 χ^2/NDF:14.3/13

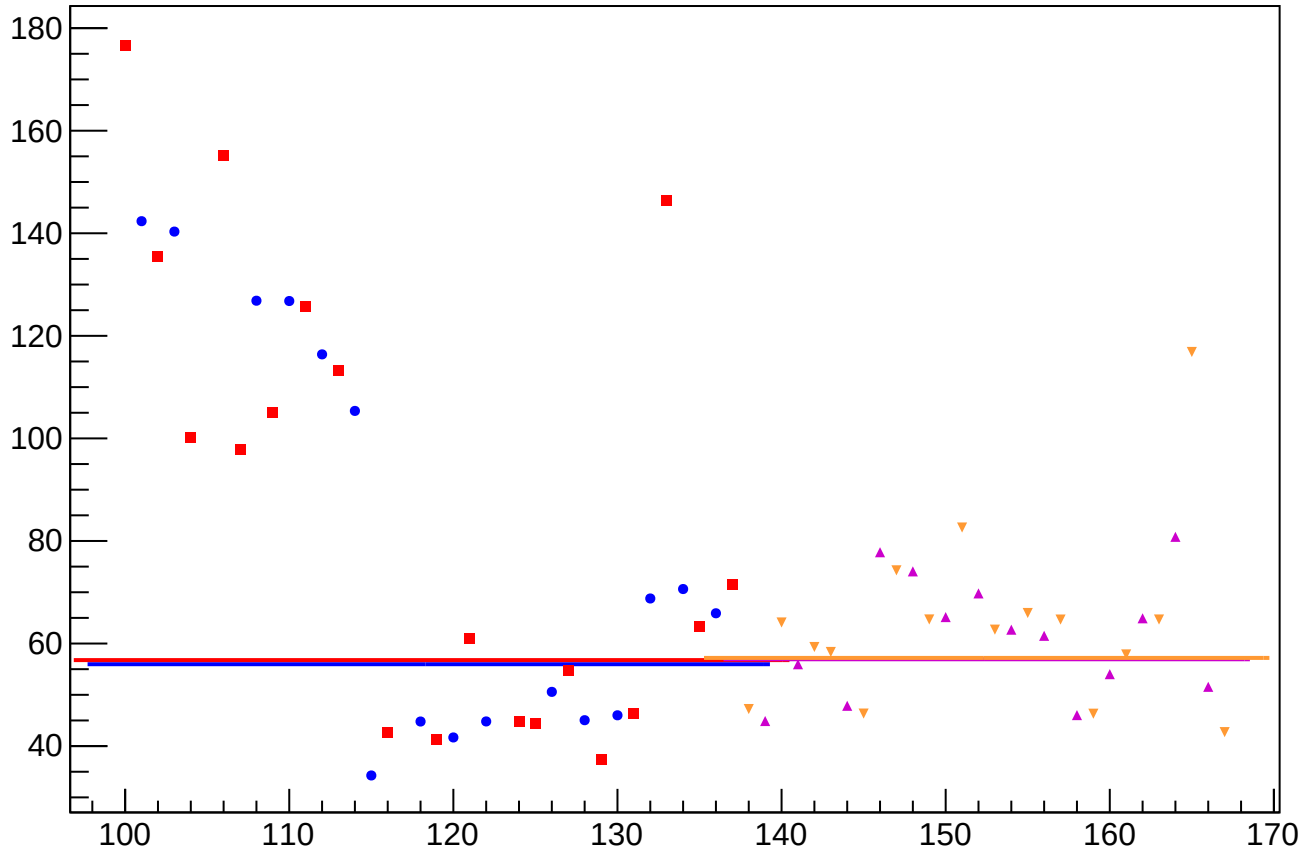
Left: 0.015+/-0.012 χ^2/NDF: 45.2/29

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.014 χ^2/NDF:27.4/29

Out: 0.015+/-0.014 χ^2/NDF:44.7/34

All: 0.007+/-0.010 χ^2/NDF: 73.1/64



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 57.196+/-0.012 χ^2/NDF:1099192.8/15

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.932+/-0.012 χ^2/NDF:712990.5/13

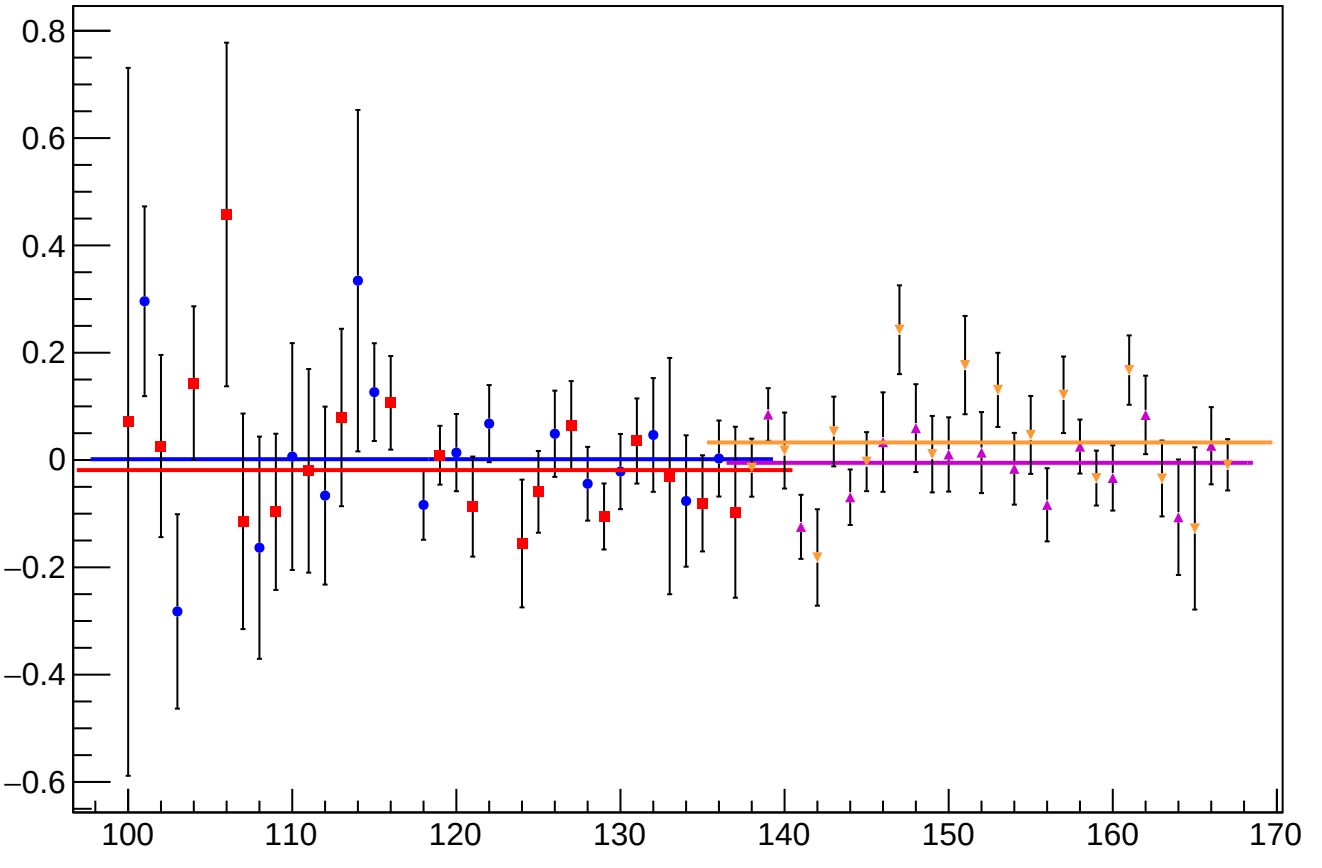
Left: 57.070+/-0.009 χ^2/NDF: 1812421.5/29

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.589+/-0.010 χ^2/NDF:2895000.7/29

Out: 57.053+/-0.010 χ^2/NDF:3652851.6/34

All: 56.827+/-0.007 χ^2/NDF: 6548987.0/64



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.033+/-0.017 χ^2/NDF:28.4/15

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.017 χ^2/NDF:14.3/13

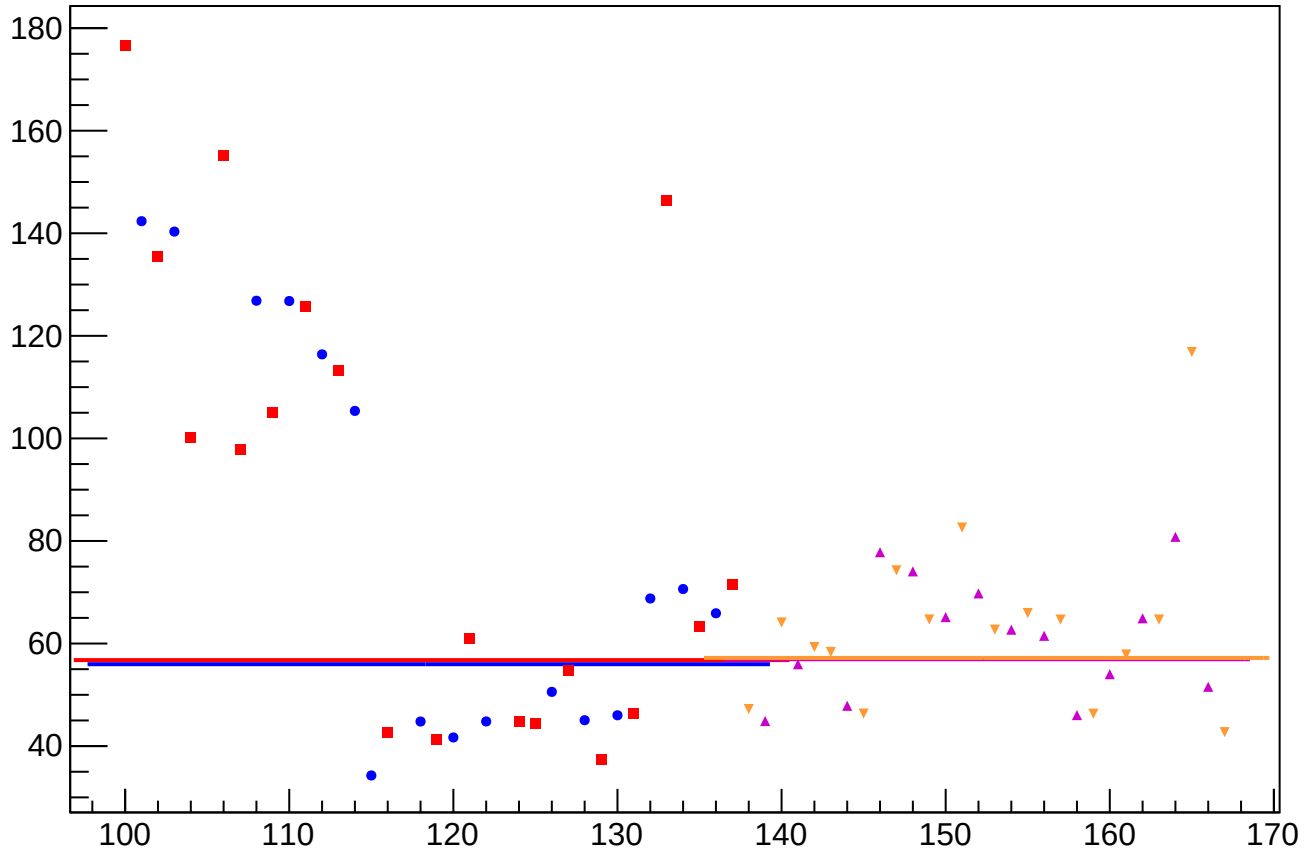
Left: 0.015+/-0.012 χ^2/NDF: 45.2/29

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.014 χ^2/NDF:27.4/29

Out: 0.015+/-0.014 χ^2/NDF:44.7/34

All: 0.007+/-0.010 χ^2/NDF: 73.1/64



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 57.196+/-0.012 χ^2/NDF:1099192.8/15

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.932+/-0.012 χ^2/NDF:712990.5/13

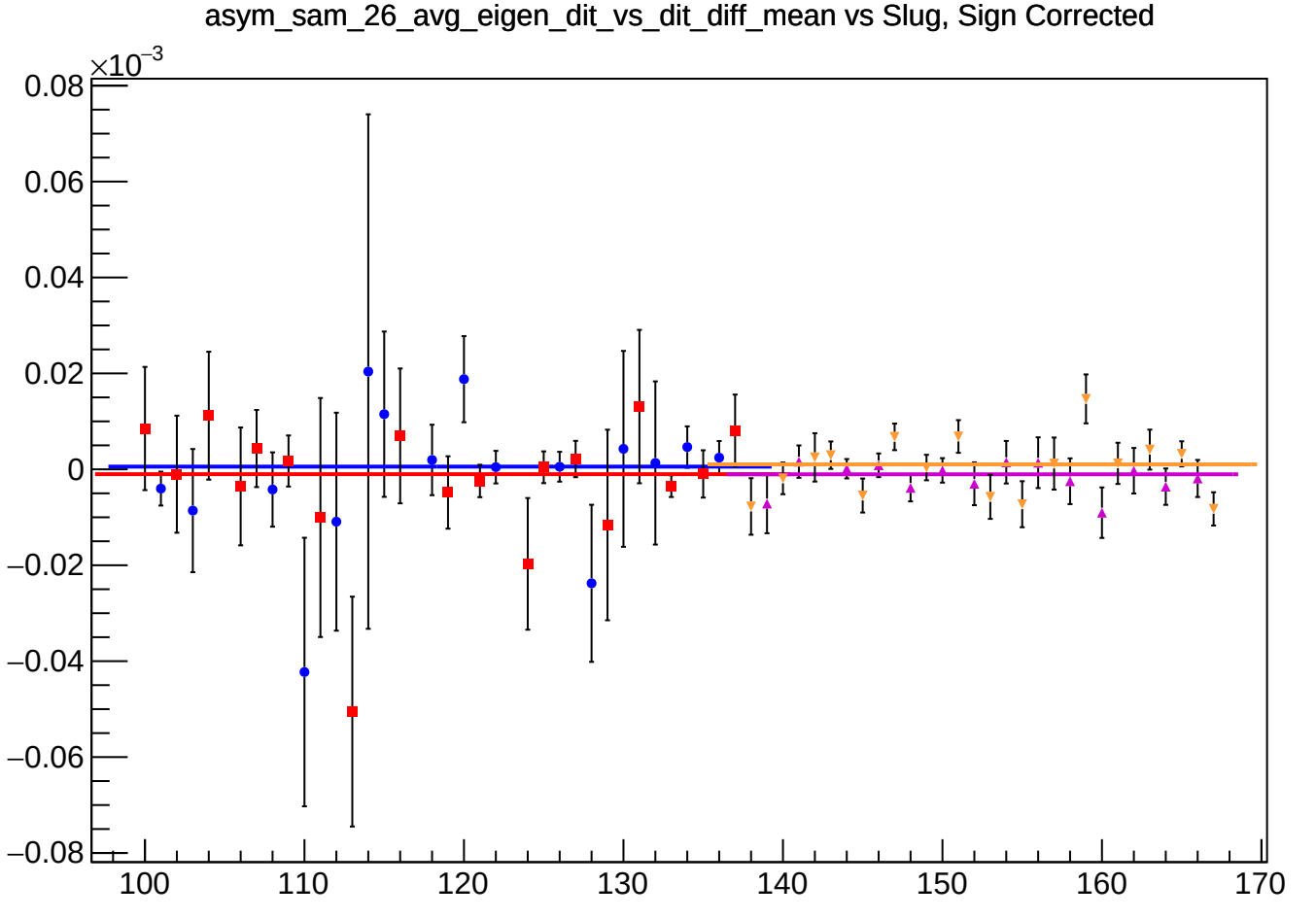
Left: 57.070+/-0.009 χ^2/NDF: 1812421.5/29

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

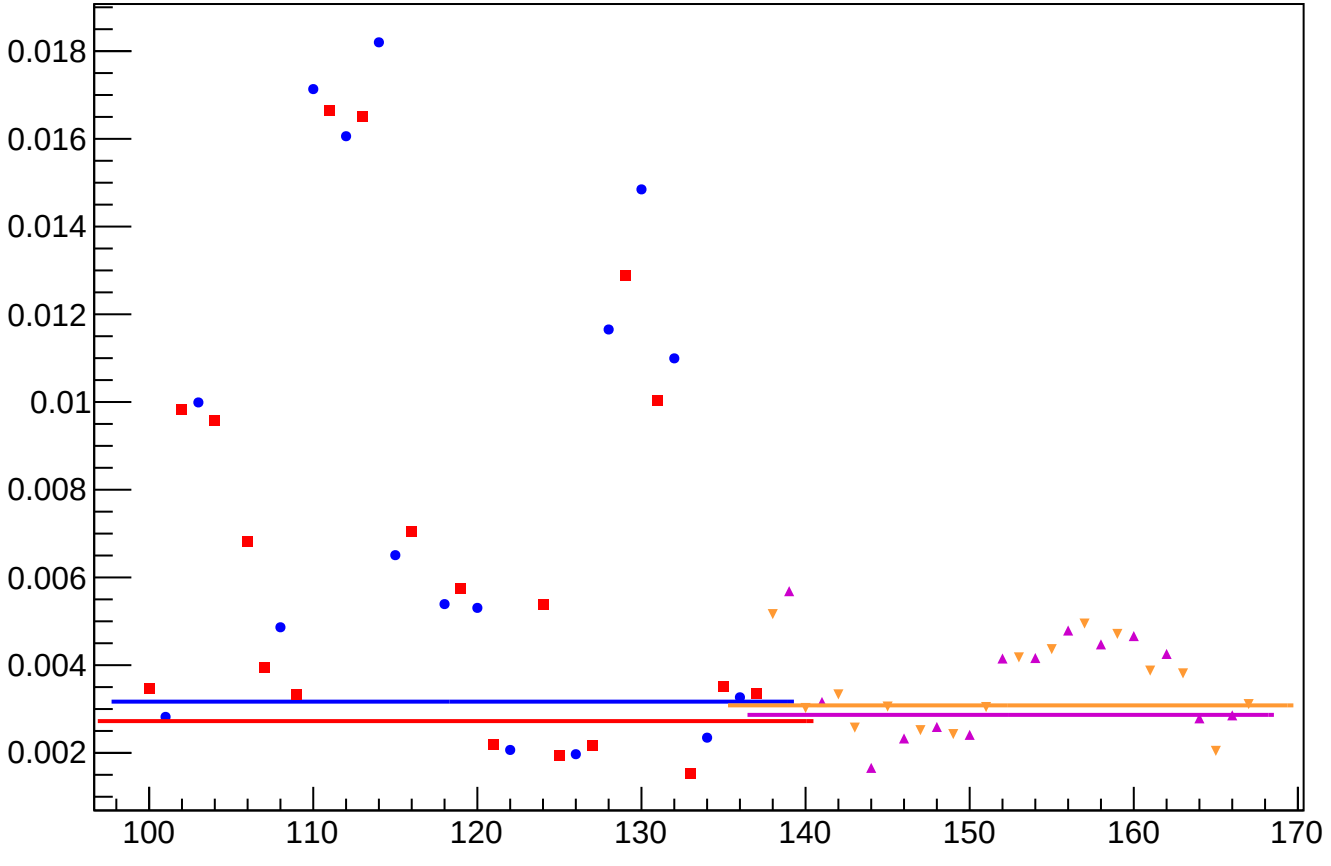
In: 56.589+/-0.010 χ^2/NDF:2895000.7/29

Out: 57.053+/-0.010 χ^2/NDF:3652851.6/34

All: 56.827+/-0.007 χ^2/NDF: 6548987.0/64


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:34.9/15
Right Out: -0.000+/-0.000 χ²/NDF: 13.8/18
Left In: -0.000+/-0.000 χ²/NDF:7.3/13
Left: 0.000+/-0.000 χ²/NDF: 44.8/29
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: -0.000+/-0.000 χ²/NDF:21.4/29
Out: 0.000+/-0.000 χ²/NDF:50.4/34
All: -0.000+/-0.000 χ²/NDF: 72.6/64

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1662876.1/15

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2559582.5/13

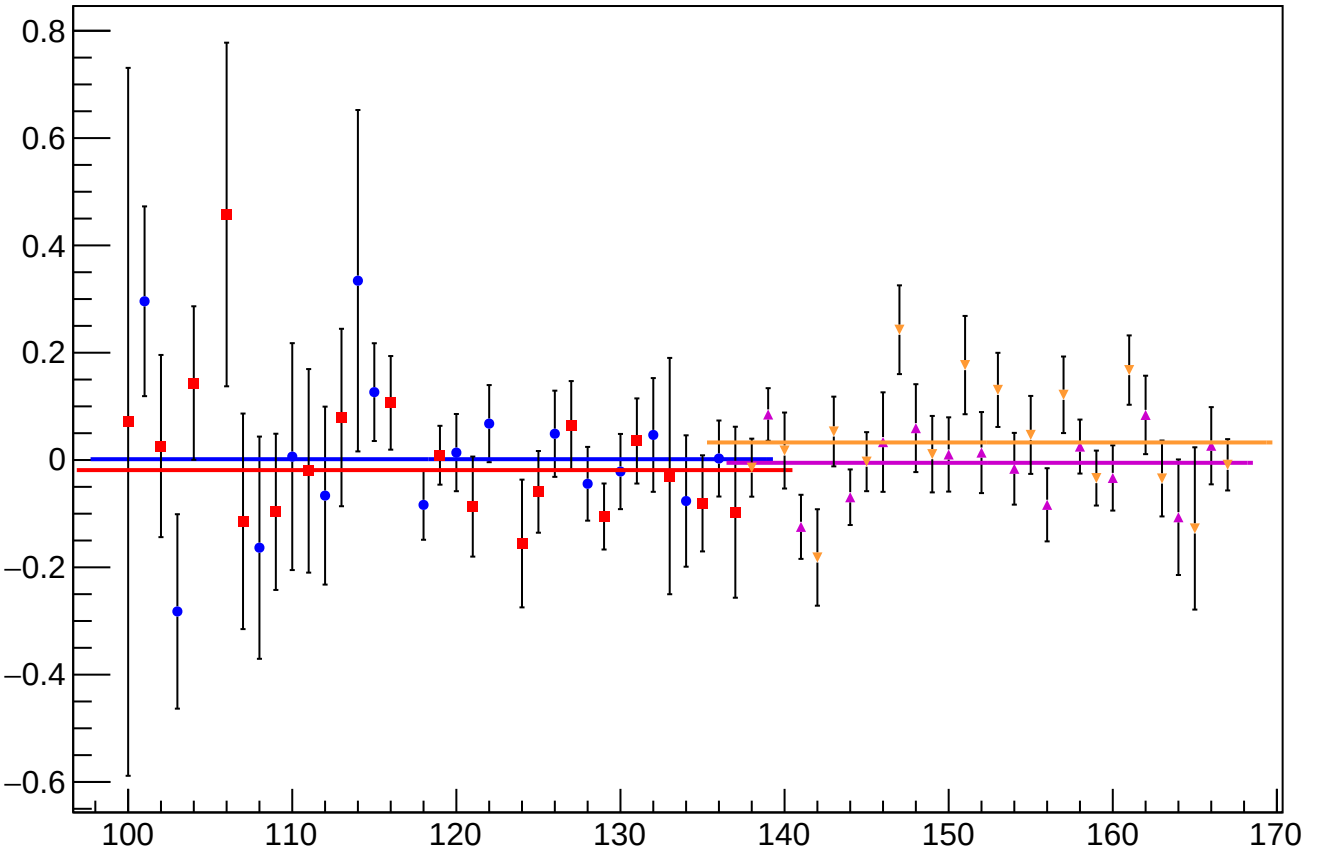
Left: 0.003+/-0.000 χ^2/NDF: 4279305.1/29

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7167398.1/29

Out: 0.003+/-0.000 χ^2/NDF:6921466.0/34

All: 0.003+/-0.000 χ^2/NDF: 14089063.1/64



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.033+/-0.017 χ^2/NDF:28.4/15

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.017 χ^2/NDF:14.3/13

Left: 0.015+/-0.012 χ^2/NDF: 45.2/29

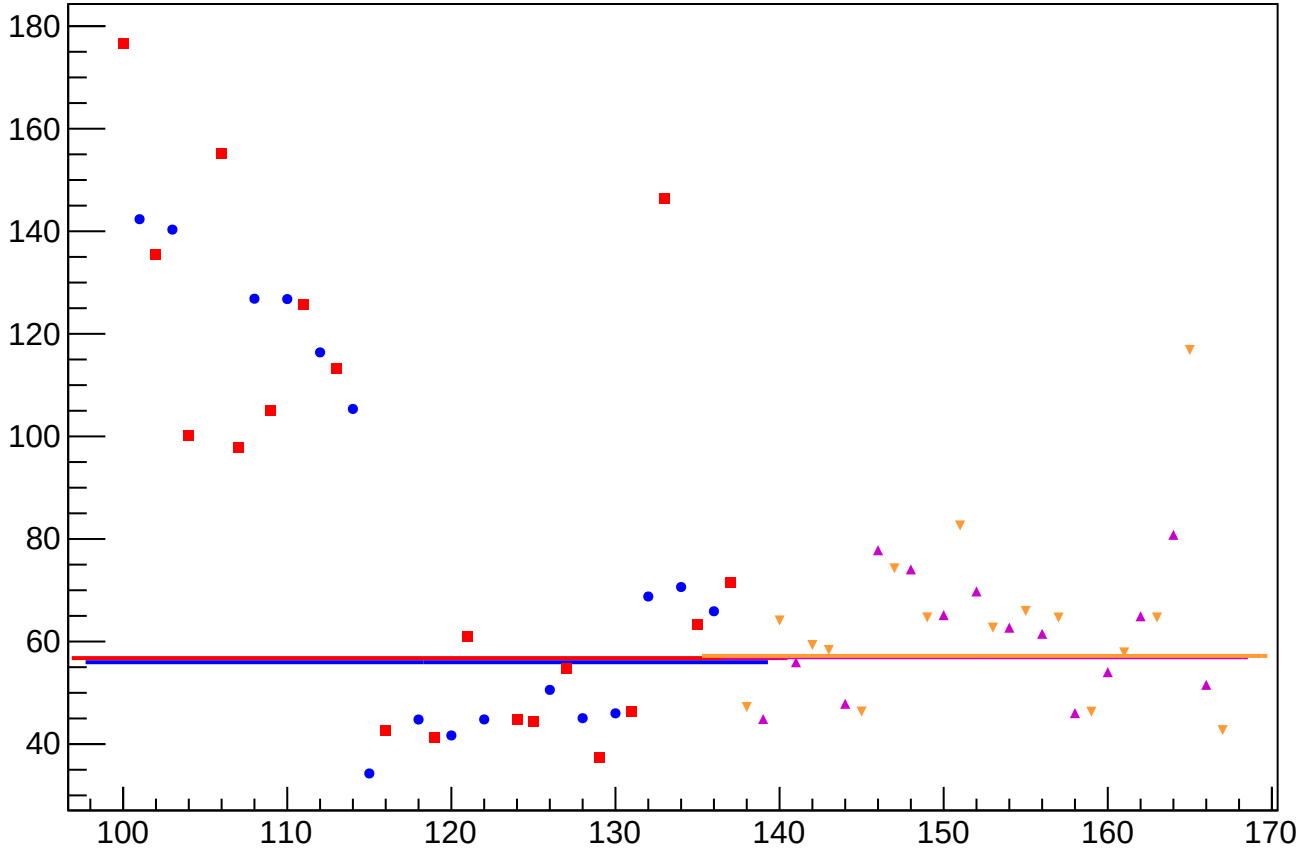
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.014 χ^2/NDF:27.4/29

Out: 0.015+/-0.014 χ^2/NDF:44.7/34

All: 0.007+/-0.010 χ^2/NDF: 73.1/64

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.196+/-0.012 χ^2/NDF:1099196.2/15

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.933+/-0.012 χ^2/NDF:712994.4/13

Left: 57.070+/-0.009 χ^2/NDF: 1812428.6/29

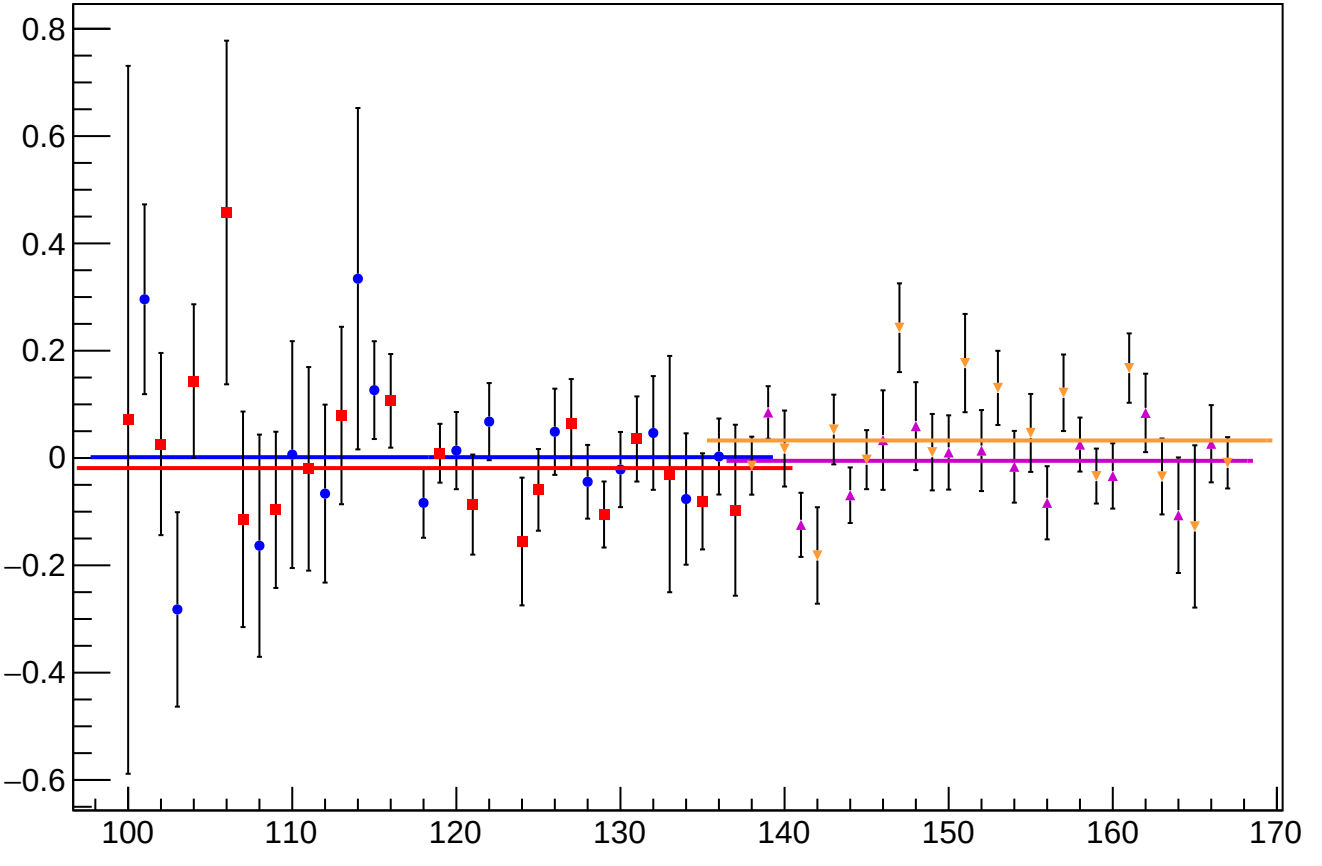
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.589+/-0.010 χ^2/NDF:2894936.7/29

Out: 57.053+/-0.010 χ^2/NDF:3652801.8/34

All: 56.827+/-0.007 χ^2/NDF: 6548872.6/64

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.033+/-0.017 χ^2/NDF:28.4/15

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.017 χ^2/NDF:14.3/13

Left: 0.015+/-0.012 χ^2/NDF: 45.2/29

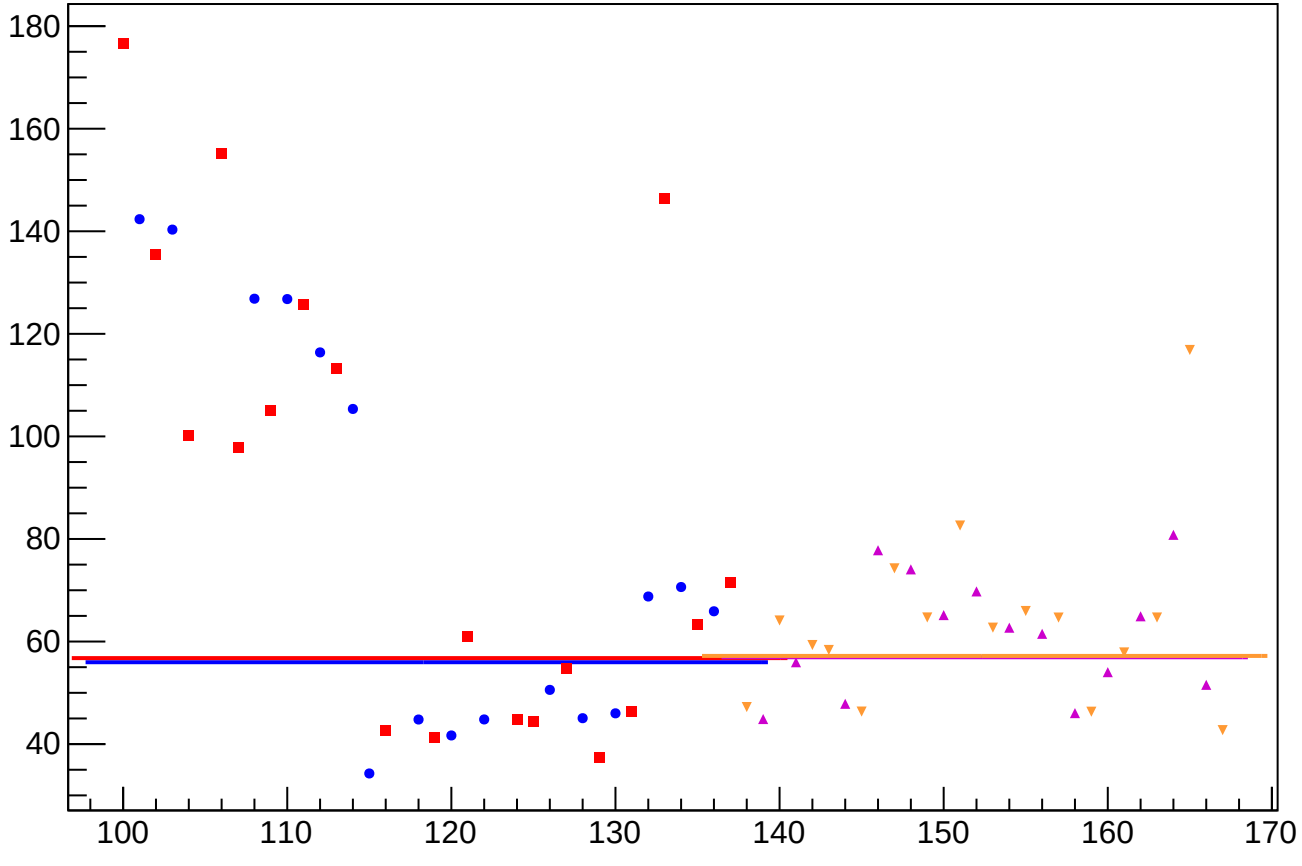
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.014 χ^2/NDF:27.4/29

Out: 0.015+/-0.014 χ^2/NDF:44.7/34

All: 0.007+/-0.010 χ^2/NDF: 73.1/64

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.196+/-0.012 χ^2/NDF:1099196.2/15

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.933+/-0.012 χ^2/NDF:712994.4/13

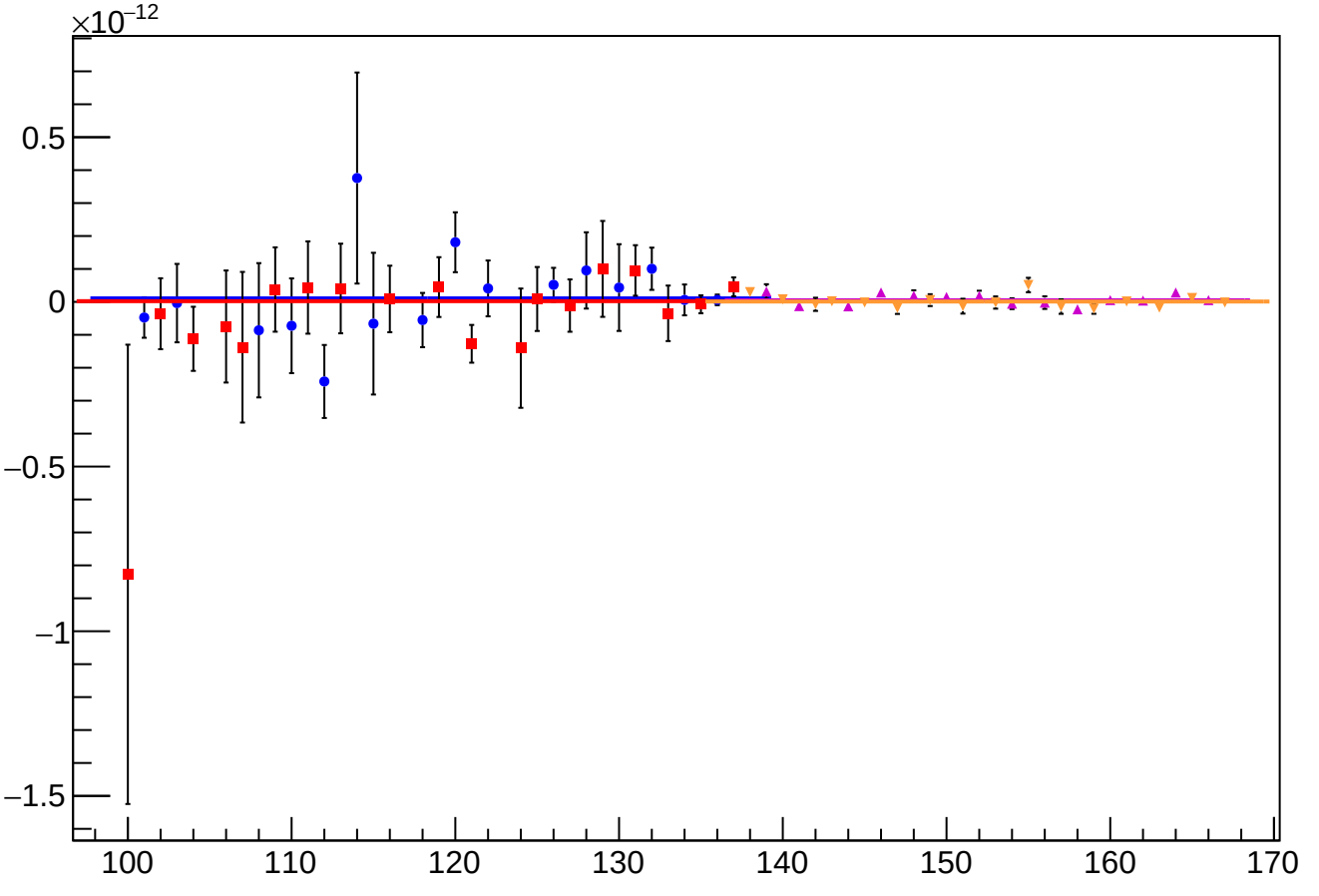
Left: 57.070+/-0.009 χ^2/NDF: 1812428.6/29

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.589+/-0.010 χ^2/NDF:2894936.7/29

Out: 57.053+/-0.010 χ^2/NDF:3652801.8/34

All: 56.827+/-0.007 χ^2/NDF: 6548872.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.3/13

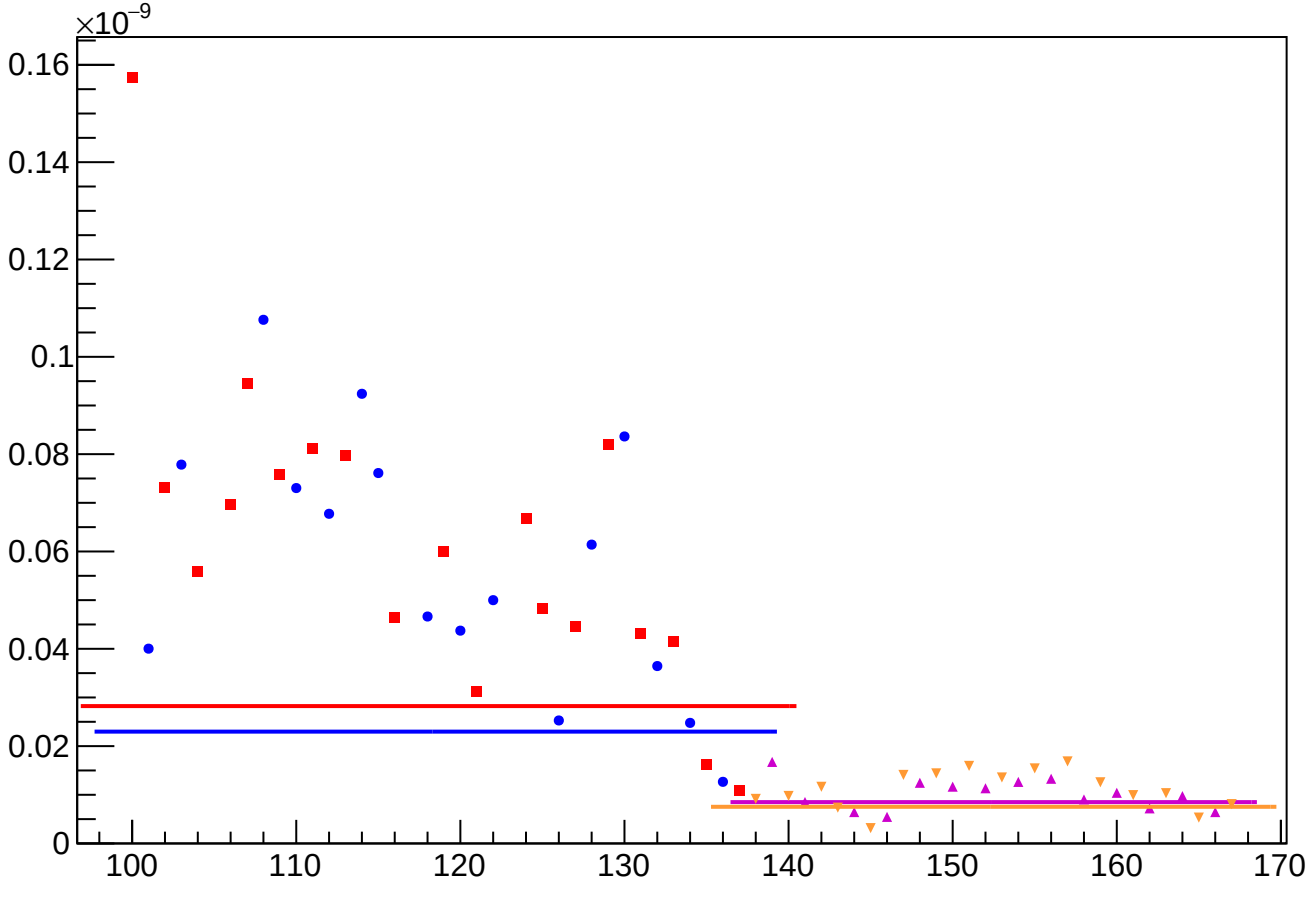
Left: 0.000+/-0.000 χ^2/NDF: 46.2/29

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:43.1/29

Out: 0.000+/-0.000 χ^2/NDF:32.5/34

All: 0.000+/-0.000 χ^2/NDF: 76.5/64



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3818002.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1359992.2/13

Left: 0.000+/-0.000 χ^2/NDF: 5273542.3/29

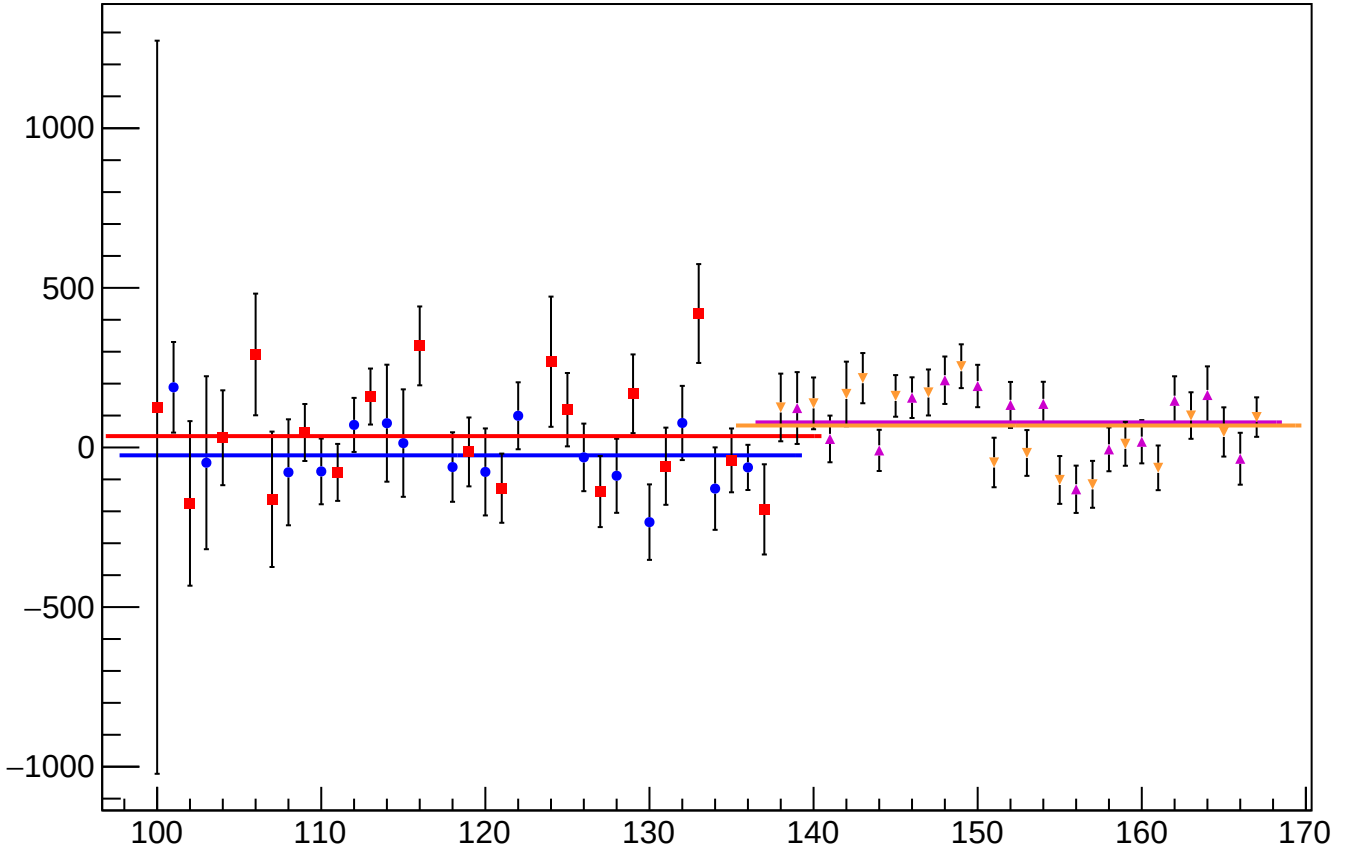
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7440256.3/29

Out: 0.000+/-0.000 χ^2/NDF:11079499.0/34

All: 0.000+/-0.000 χ^2/NDF: 18654298.1/64

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.852+/-18.575 χ^2/NDF:36.8/15

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 78.572+/-19.532 χ^2/NDF:25.4/13

Left: 73.468+/-13.460 χ^2/NDF: 62.3/29

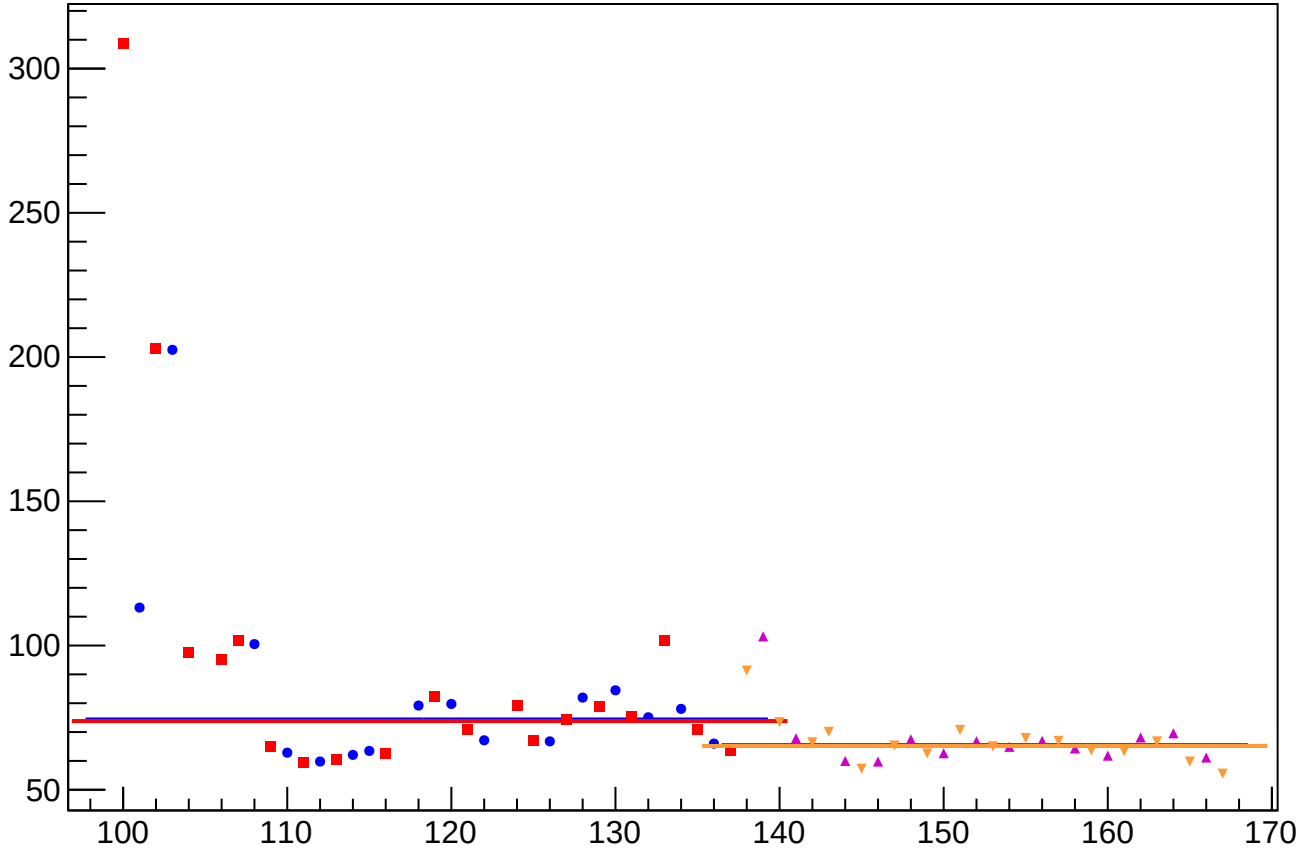
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 46.231+/-16.185 χ^2/NDF:45.1/29

Out: 58.911+/-15.554 χ^2/NDF:67.9/34

All: 52.822+/-11.215 χ^2/NDF: 113.3/64

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 65.174+/-0.013 χ^2/NDF:258129.3/15

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.518+/-0.014 χ^2/NDF:282259.7/13

Left: 65.338+/-0.010 χ^2/NDF: 540714.9/29

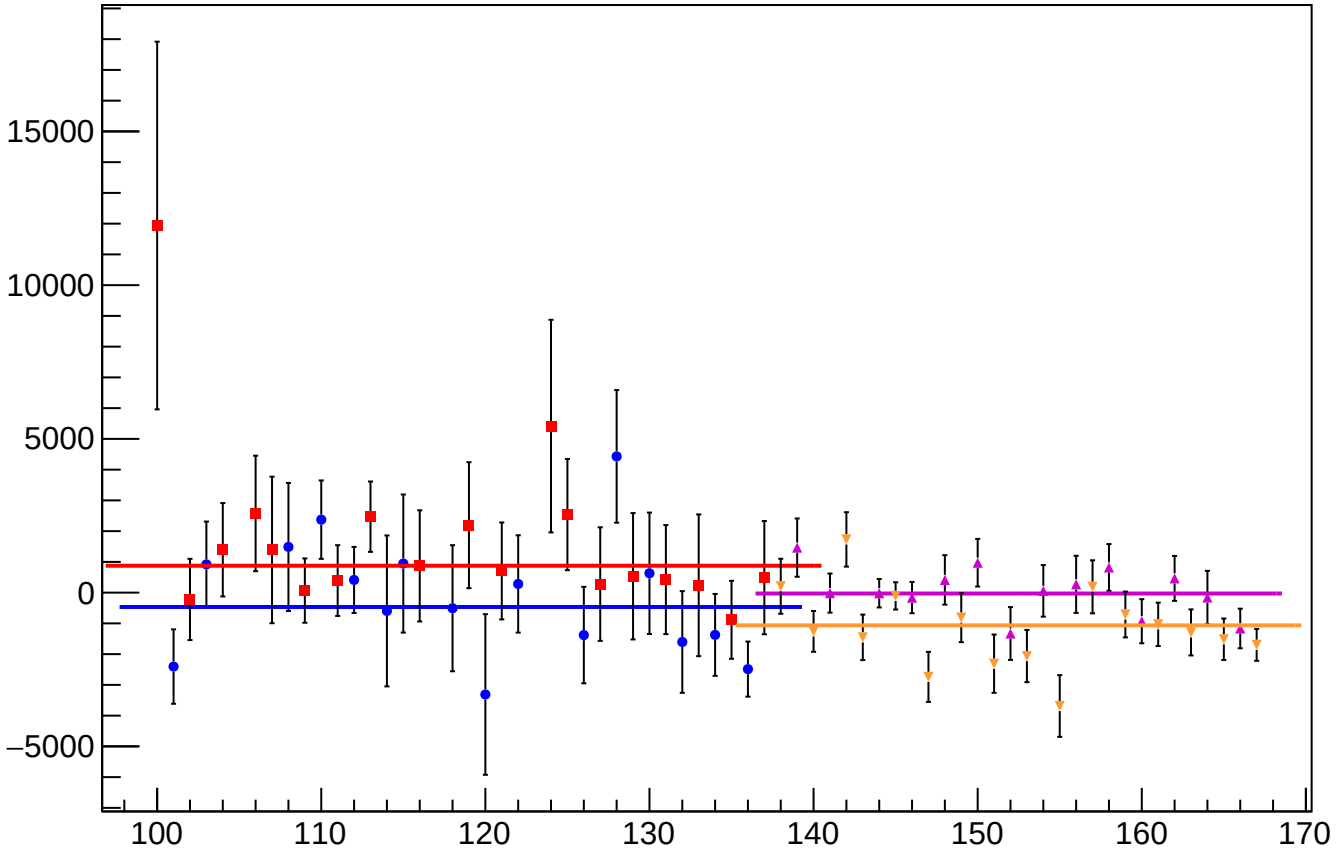
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 68.292+/-0.011 χ^2/NDF:1238523.9/29

Out: 67.756+/-0.011 χ^2/NDF:1319392.1/34

All: 68.013+/-0.008 χ^2/NDF: 2559054.7/64

asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -1064.684+/-179.235 χ^2/NDF:35.7/15

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: -28.404+/-187.092 χ^2/NDF:13.3/13

Left: -568.760+/-129.427 χ^2/NDF: 65.0/29

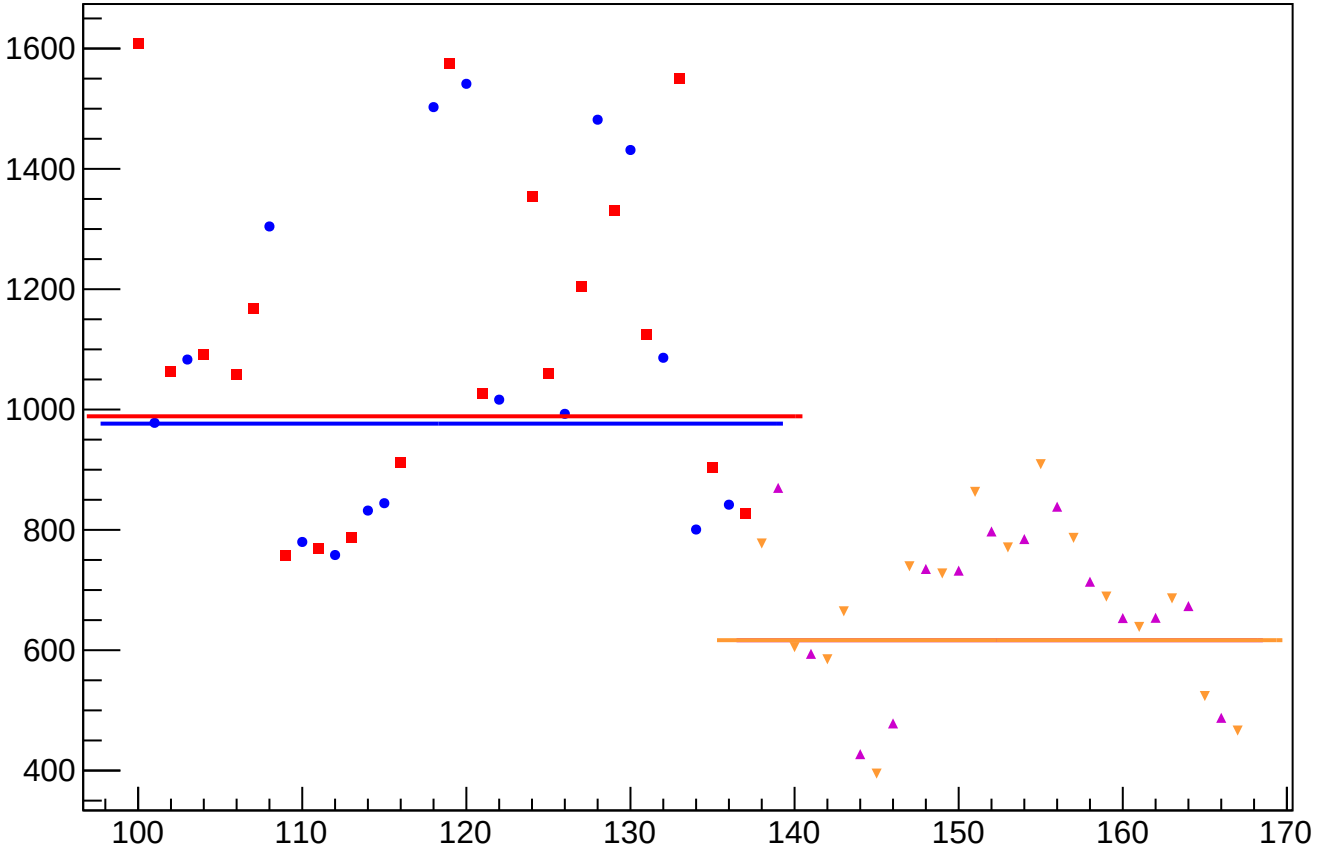
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -115.712+/-167.416 χ^2/NDF:38.1/29

Out: -699.547+/-161.490 χ^2/NDF:70.8/34

All: -418.146+/-116.229 χ^2/NDF: 115.2/64

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 616.668+/-0.127 χ^2/NDF:1351936.2/15

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 616.586+/-0.132 χ^2/NDF:1130766.7/13

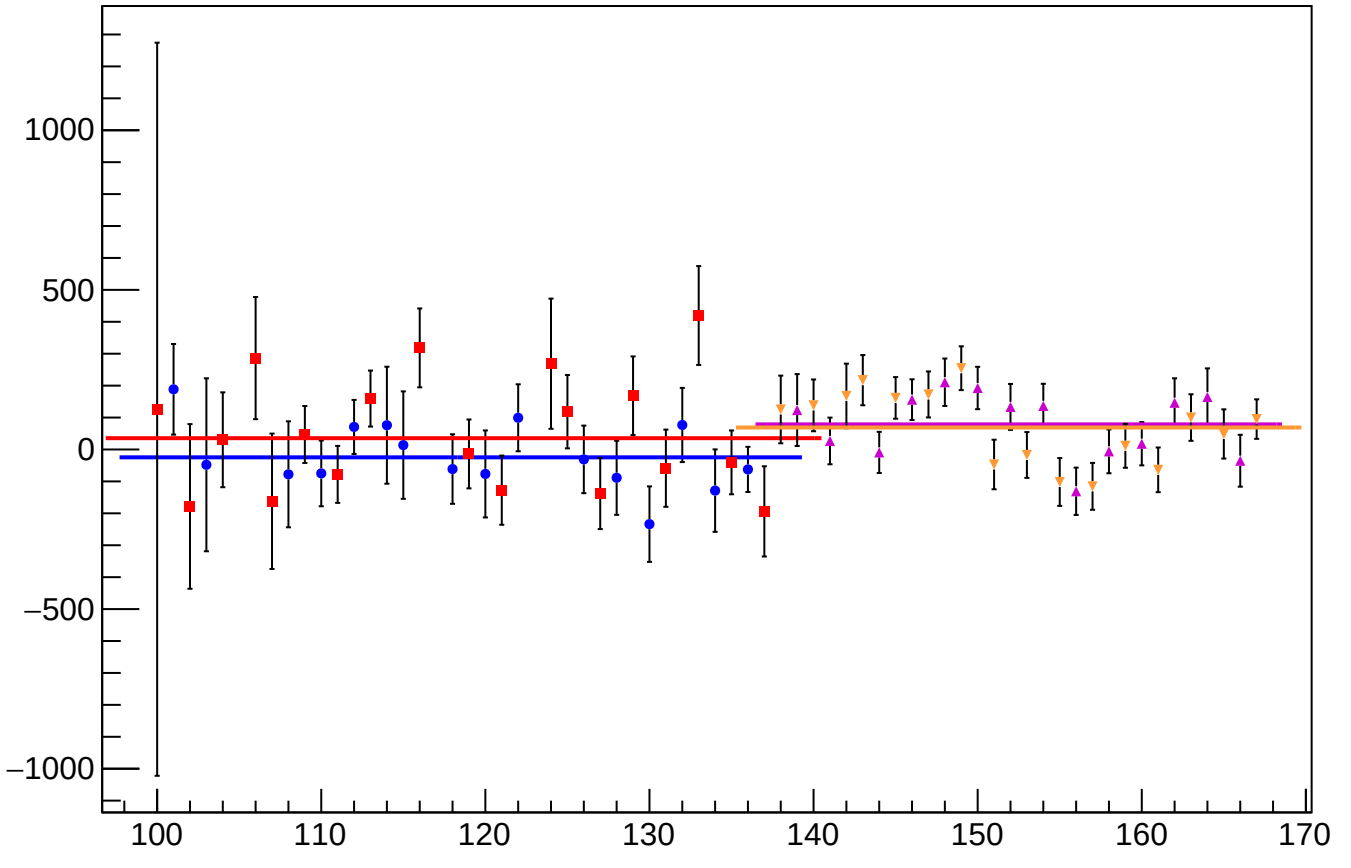
Left: 616.629+/-0.092 χ^2/NDF: 2482703.1/29

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 688.326+/-0.118 χ^2/NDF:3342993.1/29

Out: 686.700+/-0.114 χ^2/NDF:3689967.1/34

All: 687.484+/-0.082 χ^2/NDF: 7033057.9/64



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.857+/-18.575 χ^2/NDF:36.8/15

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 78.573+/-19.532 χ^2/NDF:25.4/13

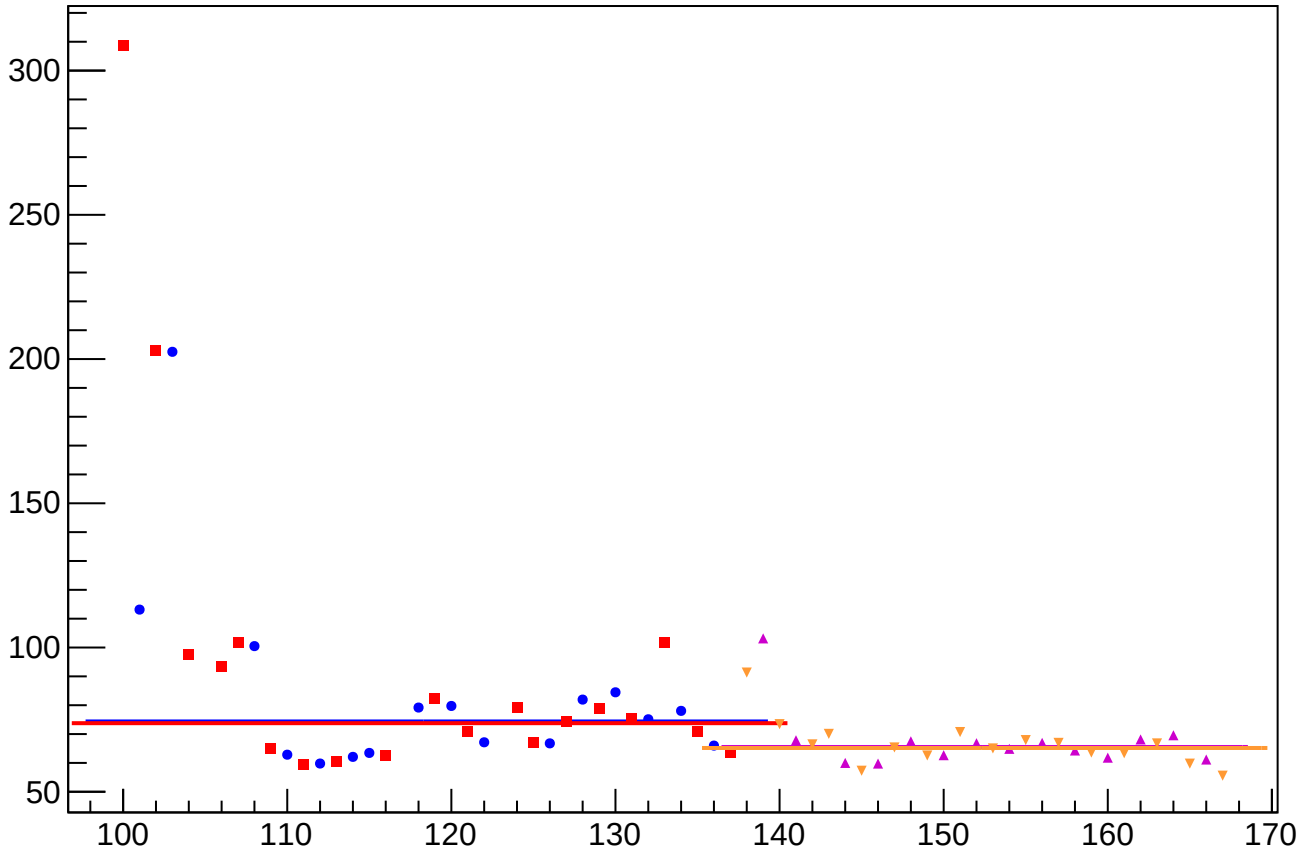
Left: 73.471+/-13.460 χ^2/NDF: 62.3/29

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 46.229+/-16.185 χ^2/NDF:45.1/29

Out: 58.856+/-15.555 χ^2/NDF:67.8/34

All: 52.793+/-11.215 χ^2/NDF: 113.2/64



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 65.174+/-0.013 χ^2/NDF:258129.3/15

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.518+/-0.014 χ^2/NDF:282259.7/13

Left: 65.338+/-0.010 χ^2/NDF: 540714.8/29

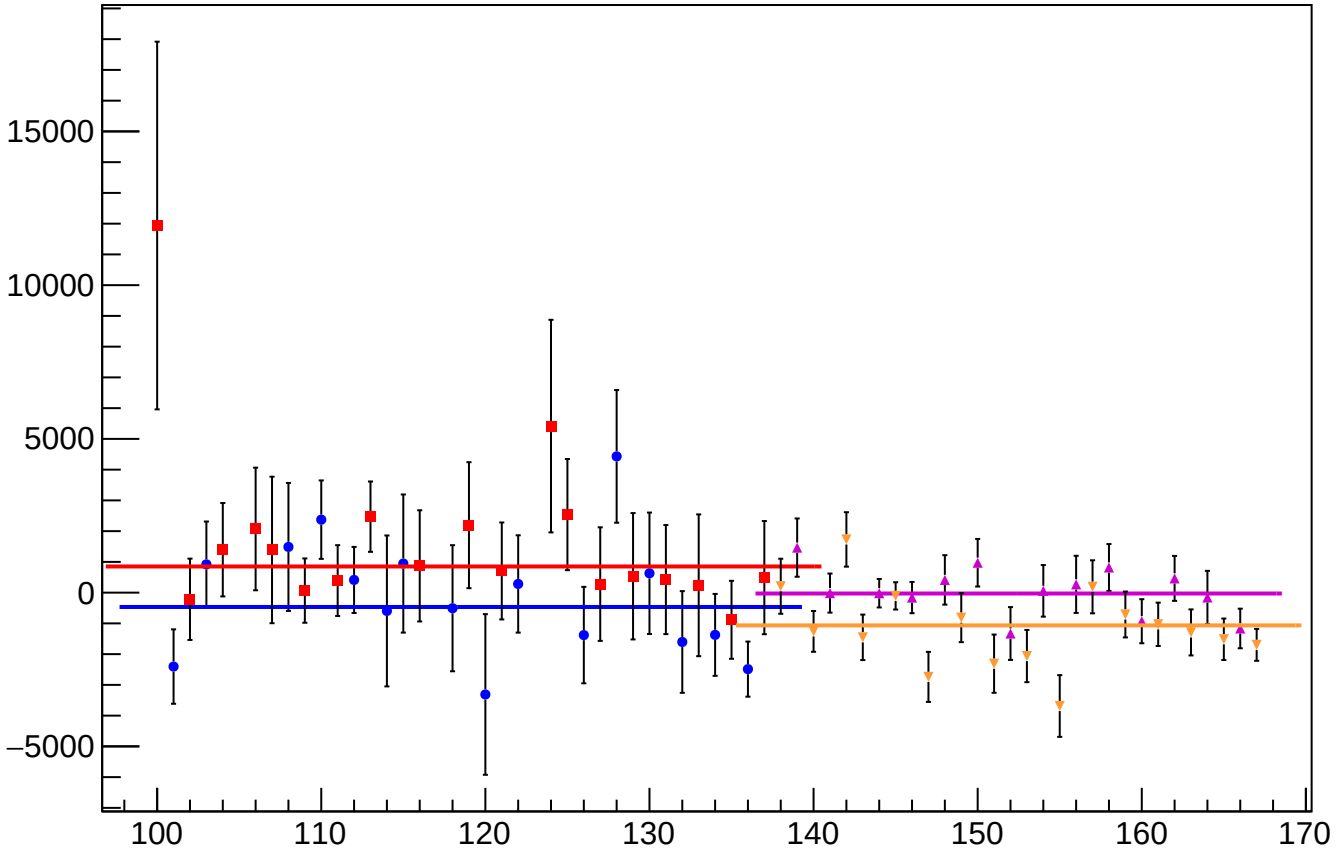
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.292+/-0.011 χ^2/NDF:1238525.8/29

Out: 67.743+/-0.011 χ^2/NDF:1314338.7/34

All: 68.007+/-0.008 χ^2/NDF: 2554058.7/64

asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -1064.678+/-179.235 χ^2/NDF:35.7/15

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -28.403+/-187.092 χ^2/NDF:13.3/13

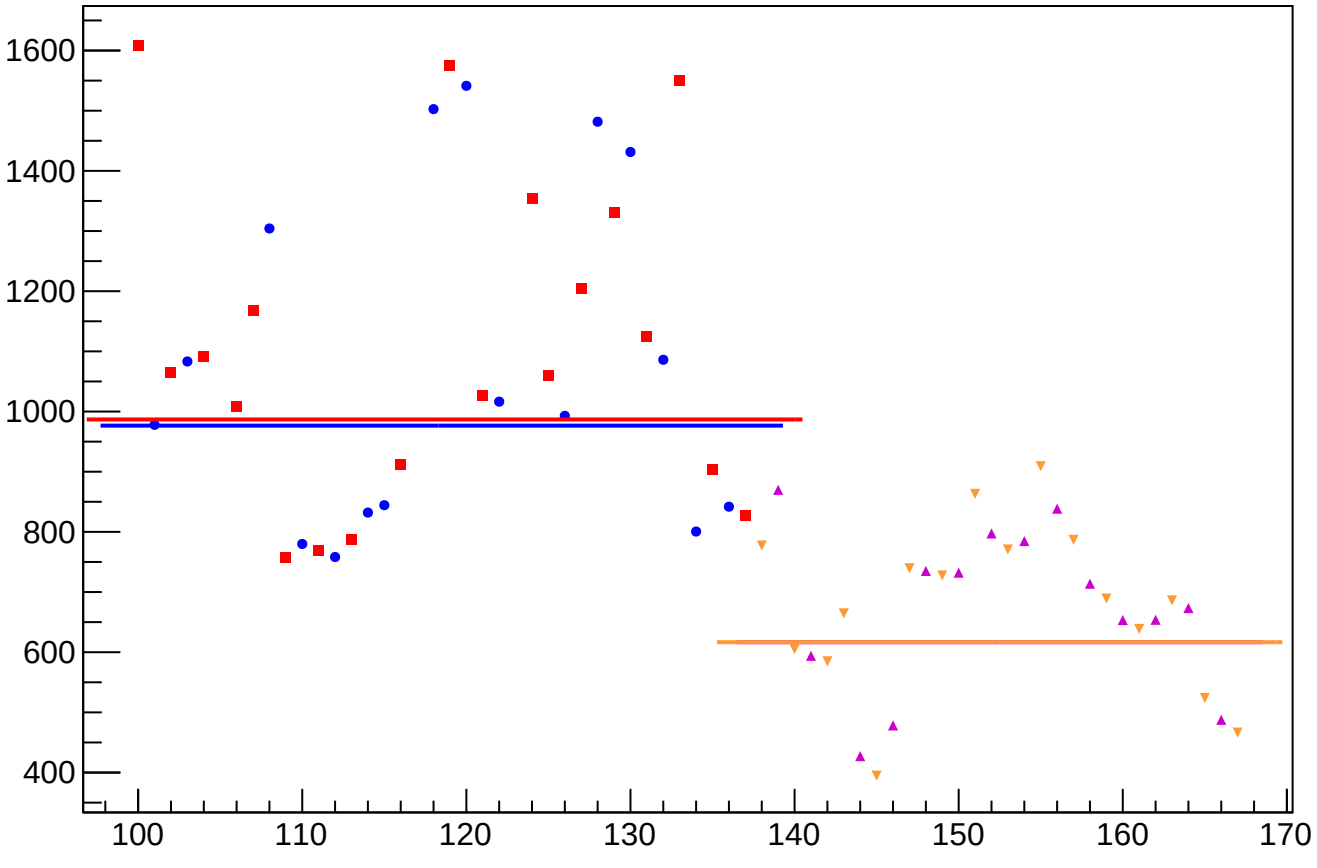
Left: -568.757+/-129.427 χ^2/NDF: 65.0/29

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -115.707+/-167.416 χ^2/NDF:38.1/29

Out: -705.510+/-161.559 χ^2/NDF:69.7/34

All: -421.106+/-116.255 χ^2/NDF: 114.2/64



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 616.667+/-0.127 χ^2/NDF:1351939.1/15

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 616.586+/-0.132 χ^2/NDF:1130767.4/13

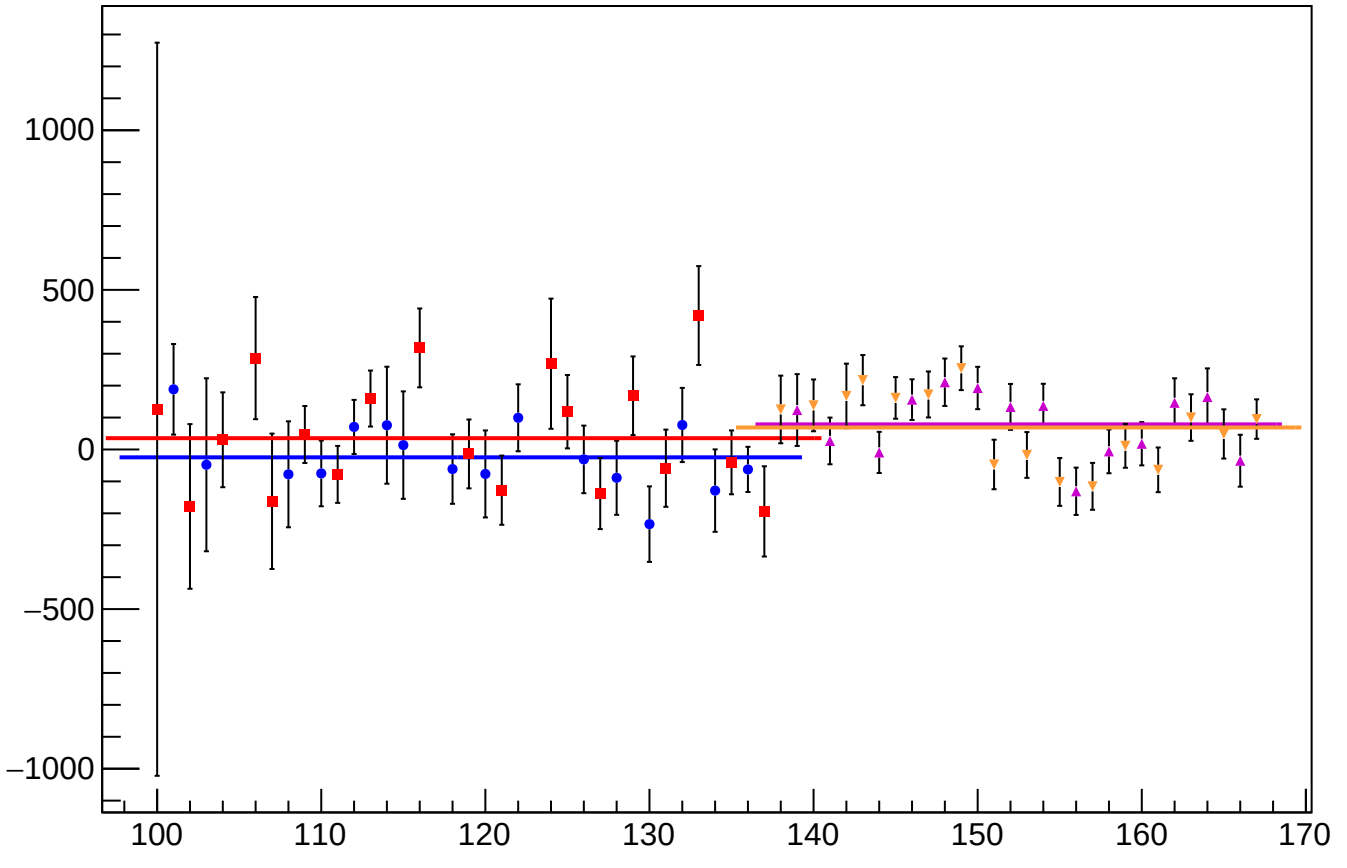
Left: 616.629+/-0.092 χ^2/NDF: 2482706.8/29

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 688.326+/-0.118 χ^2/NDF:3343049.7/29

Out: 686.076+/-0.114 χ^2/NDF:3664754.9/34

All: 687.161+/-0.082 χ^2/NDF: 7007991.6/64



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.857+/-18.575 χ^2/NDF:36.8/15

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 78.573+/-19.532 χ^2/NDF:25.4/13

Left: 73.471+/-13.460 χ^2/NDF: 62.3/29

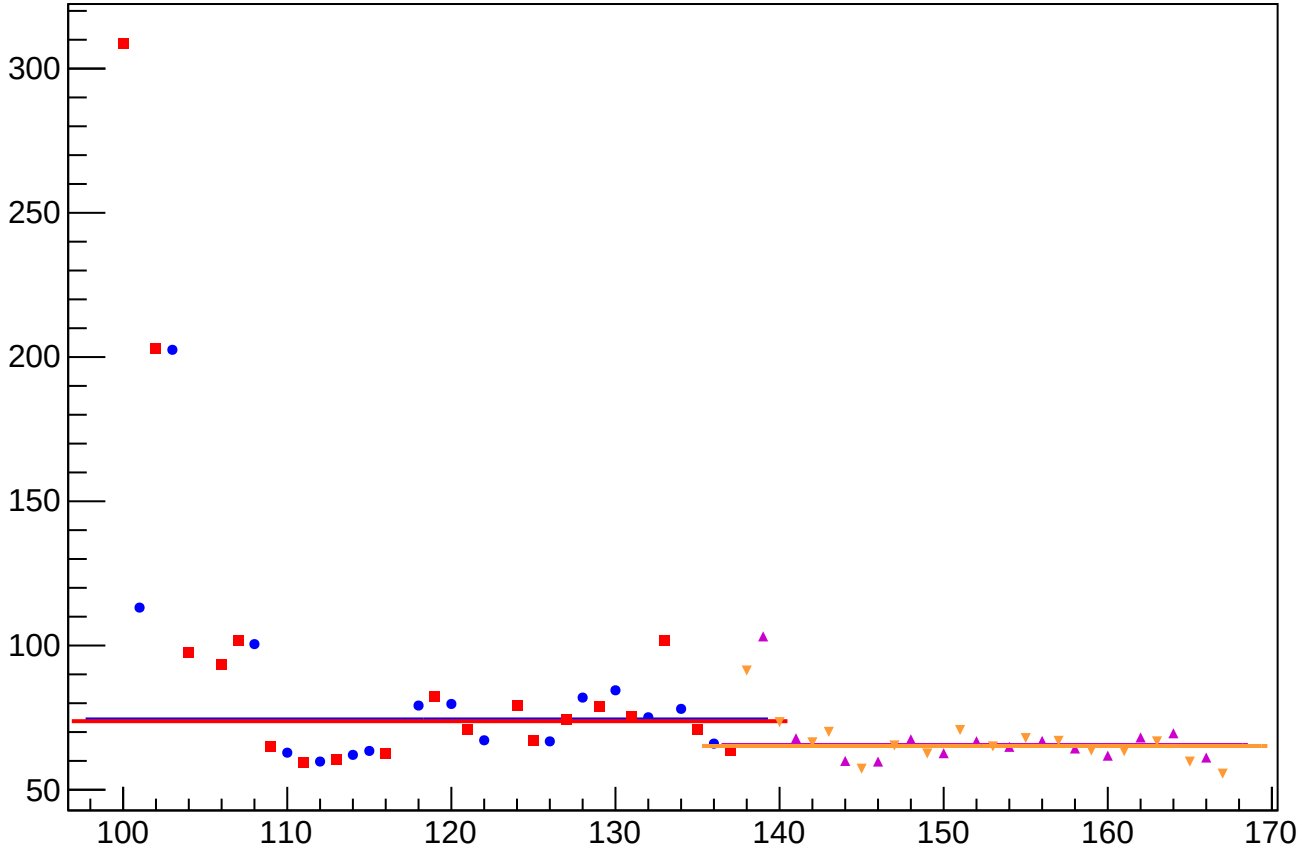
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 46.229+/-16.185 χ^2/NDF:45.1/29

Out: 58.856+/-15.555 χ^2/NDF:67.8/34

All: 52.793+/-11.215 χ^2/NDF: 113.2/64

eigen_cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 65.174+/-0.013 χ^2/NDF:258129.3/15

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.518+/-0.014 χ^2/NDF:282259.7/13

Left: 65.338+/-0.010 χ^2/NDF: 540714.8/29

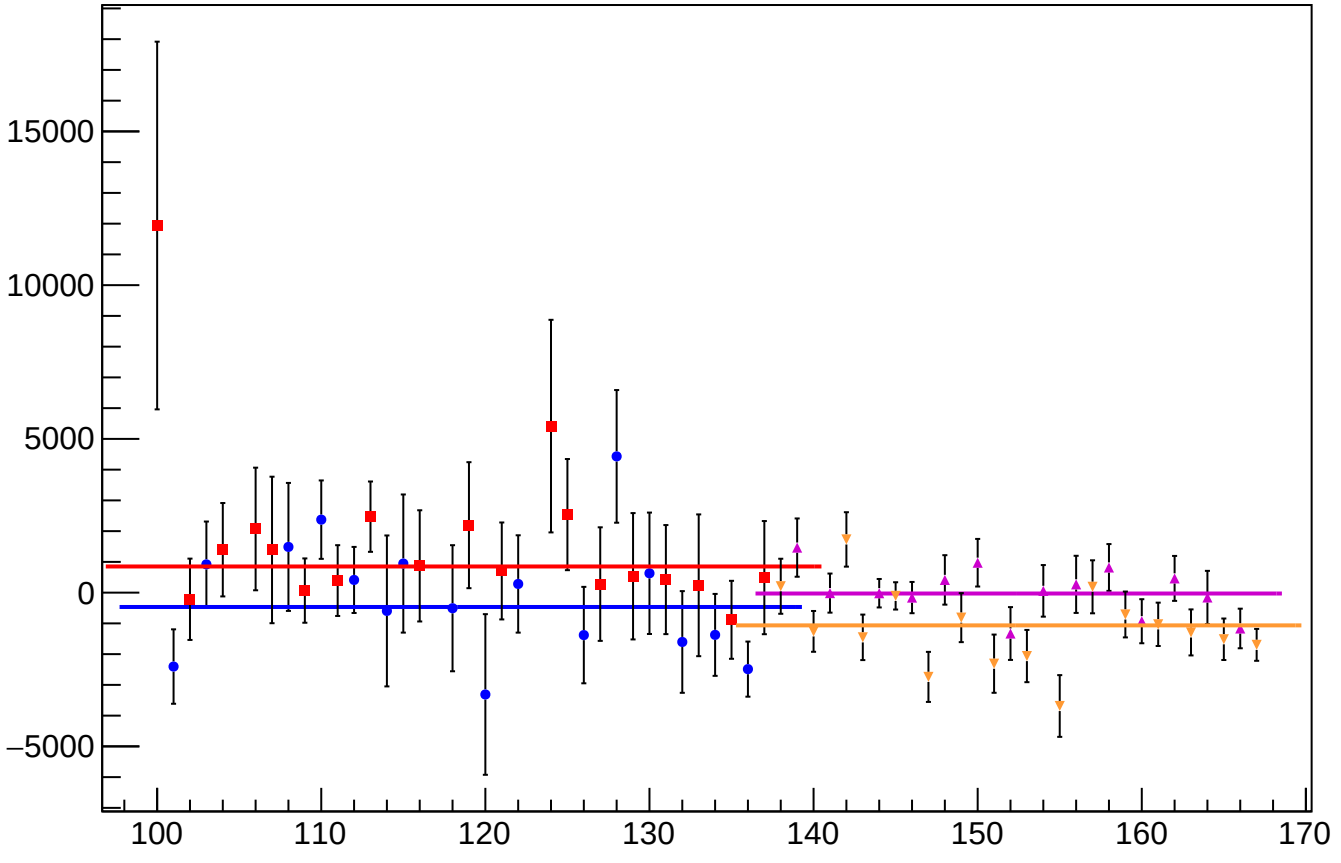
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.292+/-0.011 χ^2/NDF:1238525.8/29

Out: 67.743+/-0.011 χ^2/NDF:1314338.7/34

All: 68.007+/-0.008 χ^2/NDF: 2554058.7/64

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -1064.678+/-179.235 χ^2/NDF:35.7/15

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -28.403+/-187.092 χ^2/NDF:13.3/13

Left: -568.757+/-129.427 χ^2/NDF: 65.0/29

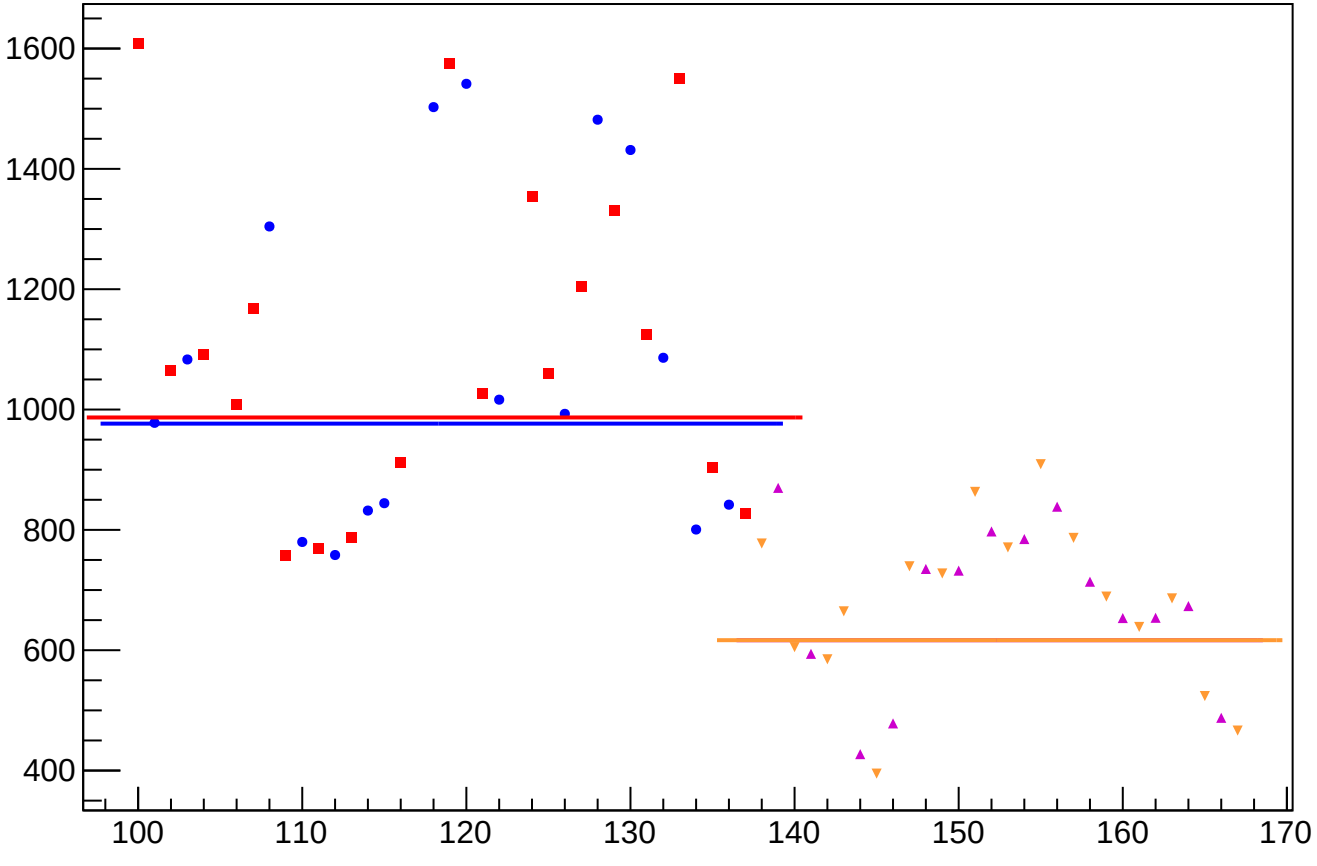
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -115.707+/-167.416 χ^2/NDF:38.1/29

Out: -705.510+/-161.559 χ^2/NDF:69.7/34

All: -421.106+/-116.255 χ^2/NDF: 114.2/64

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 616.667+/-0.127 χ^2/NDF:1351939.1/15

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 616.586+/-0.132 χ^2/NDF:1130767.4/13

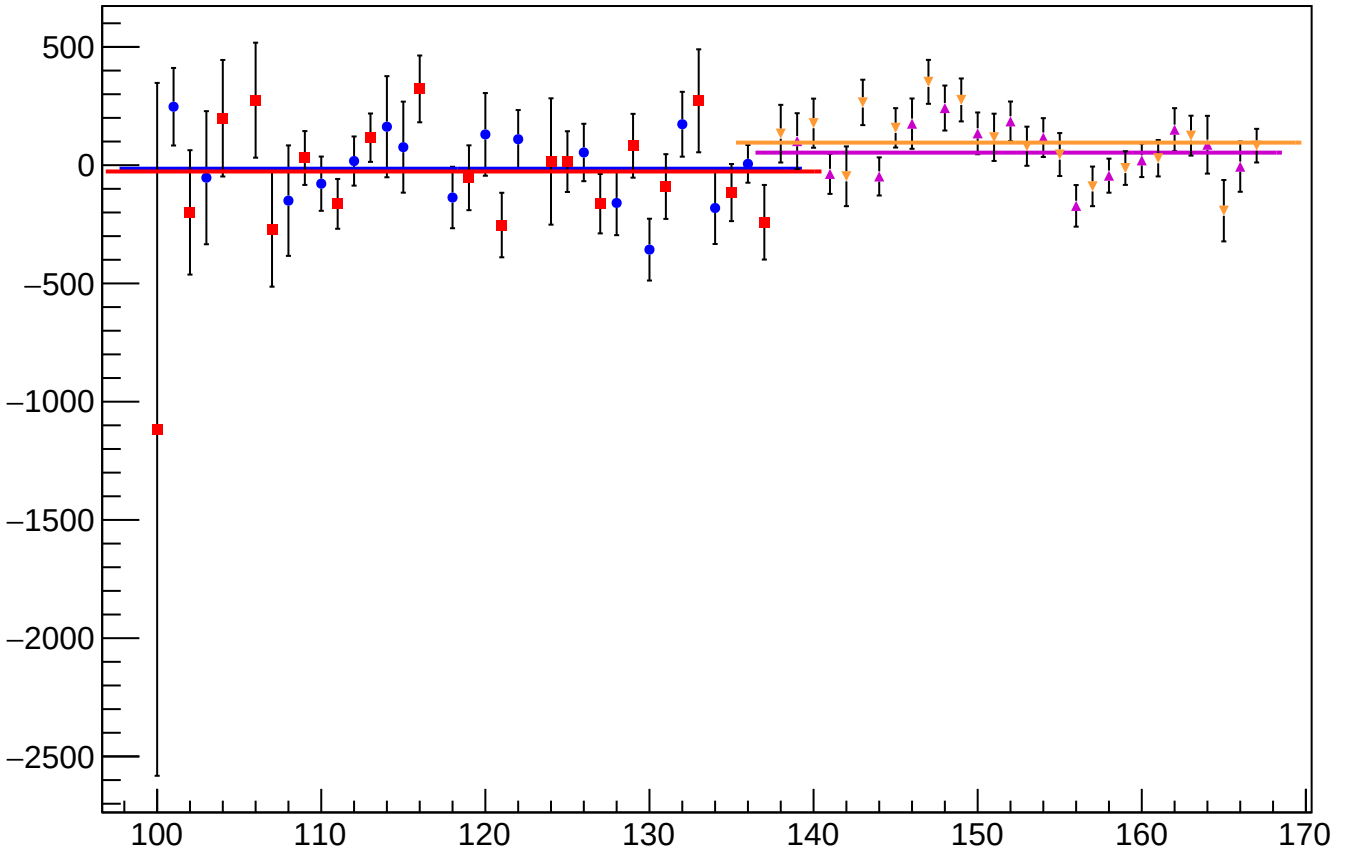
Left: 616.629+/-0.092 χ^2/NDF: 2482706.8/29

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 688.326+/-0.118 χ^2/NDF:3343049.7/29

Out: 686.076+/-0.114 χ^2/NDF:3664754.9/34

All: 687.161+/-0.082 χ^2/NDF: 7007991.6/64



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 95.427+/-22.433 χ^2/NDF:30.7/15

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 53.073+/-23.690 χ^2/NDF:22.2/13

Left: 75.404+/-16.289 χ^2/NDF: 54.5/29

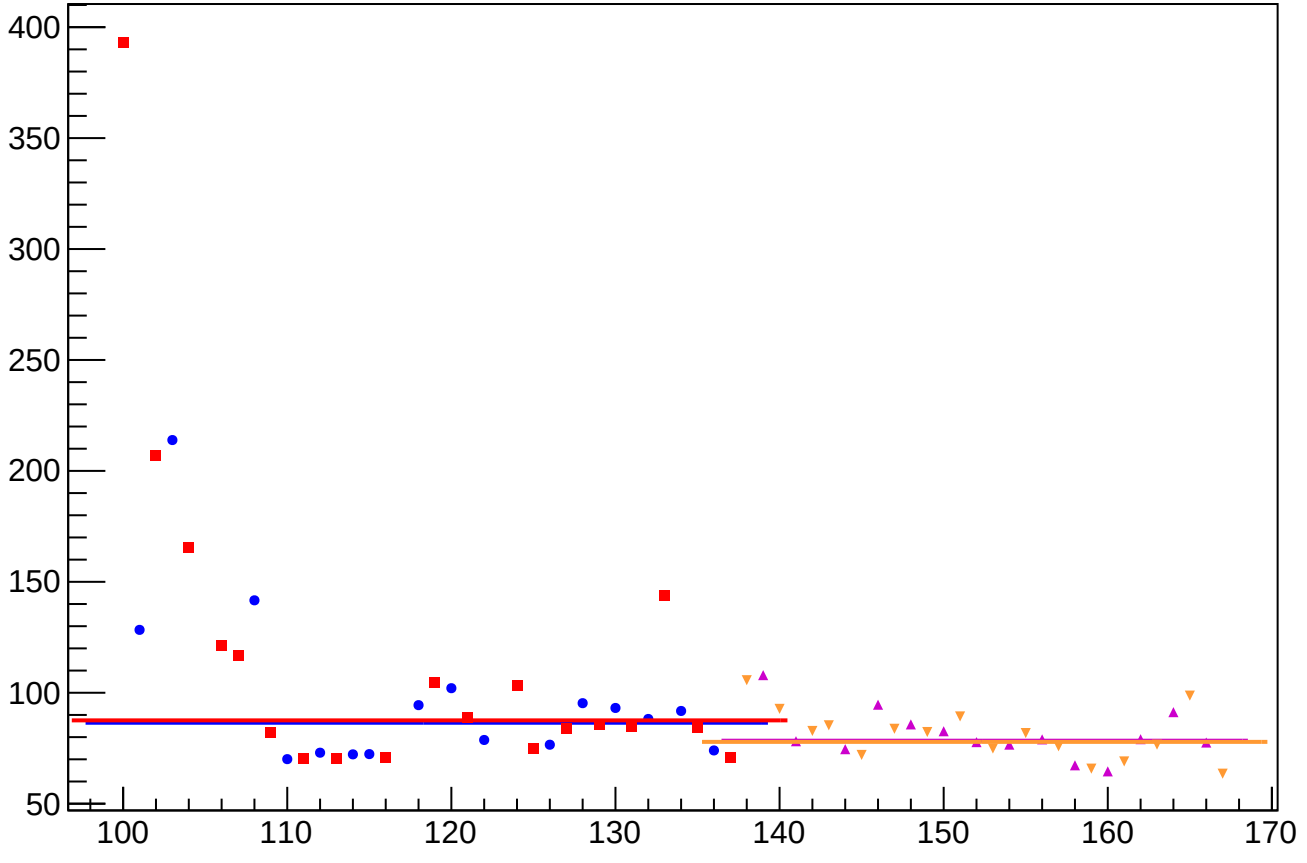
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 30.629+/-19.392 χ^2/NDF:43.1/29

Out: 58.511+/-18.737 χ^2/NDF:63.2/34

All: 45.049+/-13.475 χ^2/NDF: 107.4/64

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 77.863+/-0.016 χ^2/NDF:433916.5/15

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 78.388+/-0.017 χ^2/NDF:340713.4/13

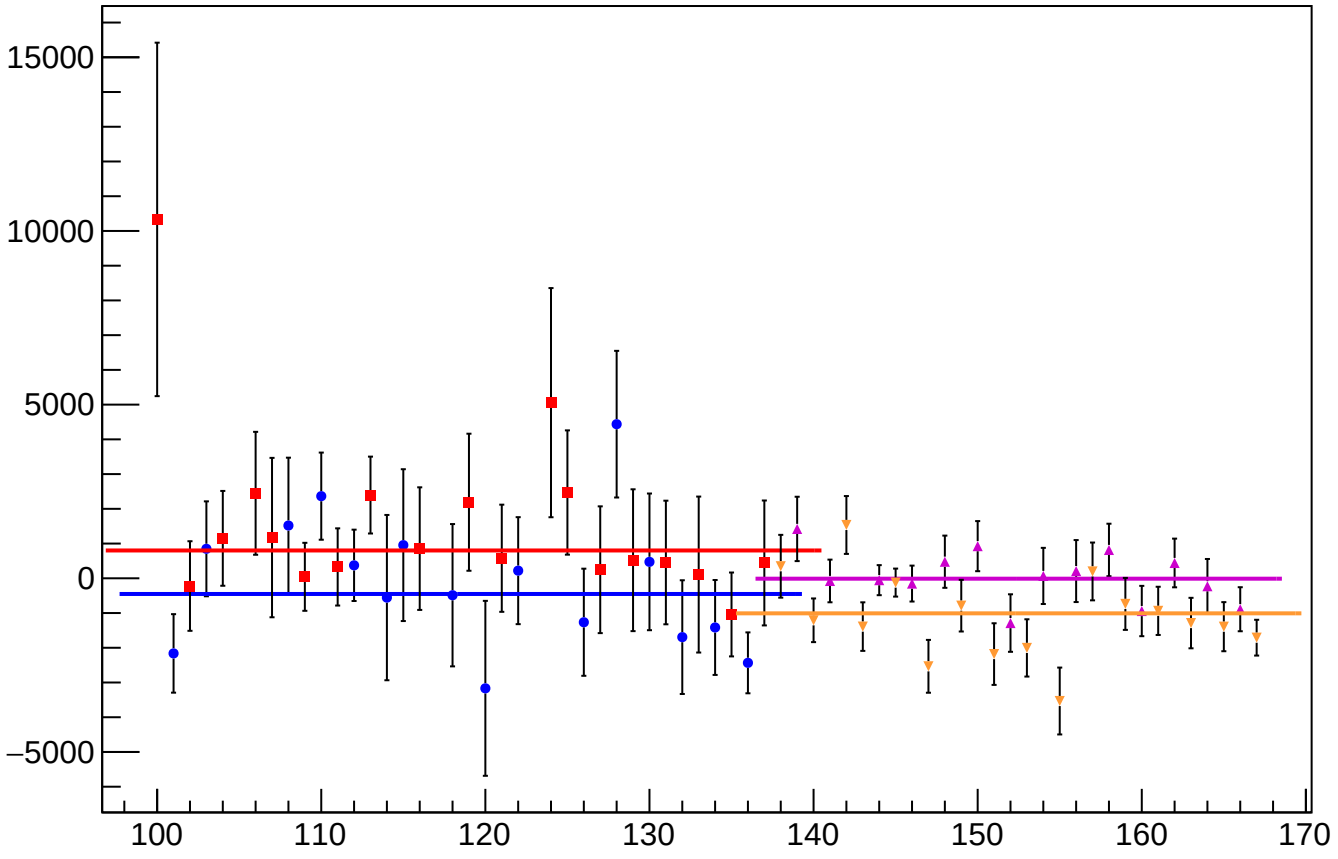
Left: 78.111+/-0.012 χ^2/NDF: 775146.9/29

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 81.061+/-0.014 χ^2/NDF:1274132.0/29

Out: 80.794+/-0.013 χ^2/NDF:1676578.3/34

All: 80.923+/-0.010 χ^2/NDF: 2950906.1/64



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -1008.705+/-172.206 χ^2/NDF:35.5/15

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: -11.216+/-180.636 χ^2/NDF:12.3/13

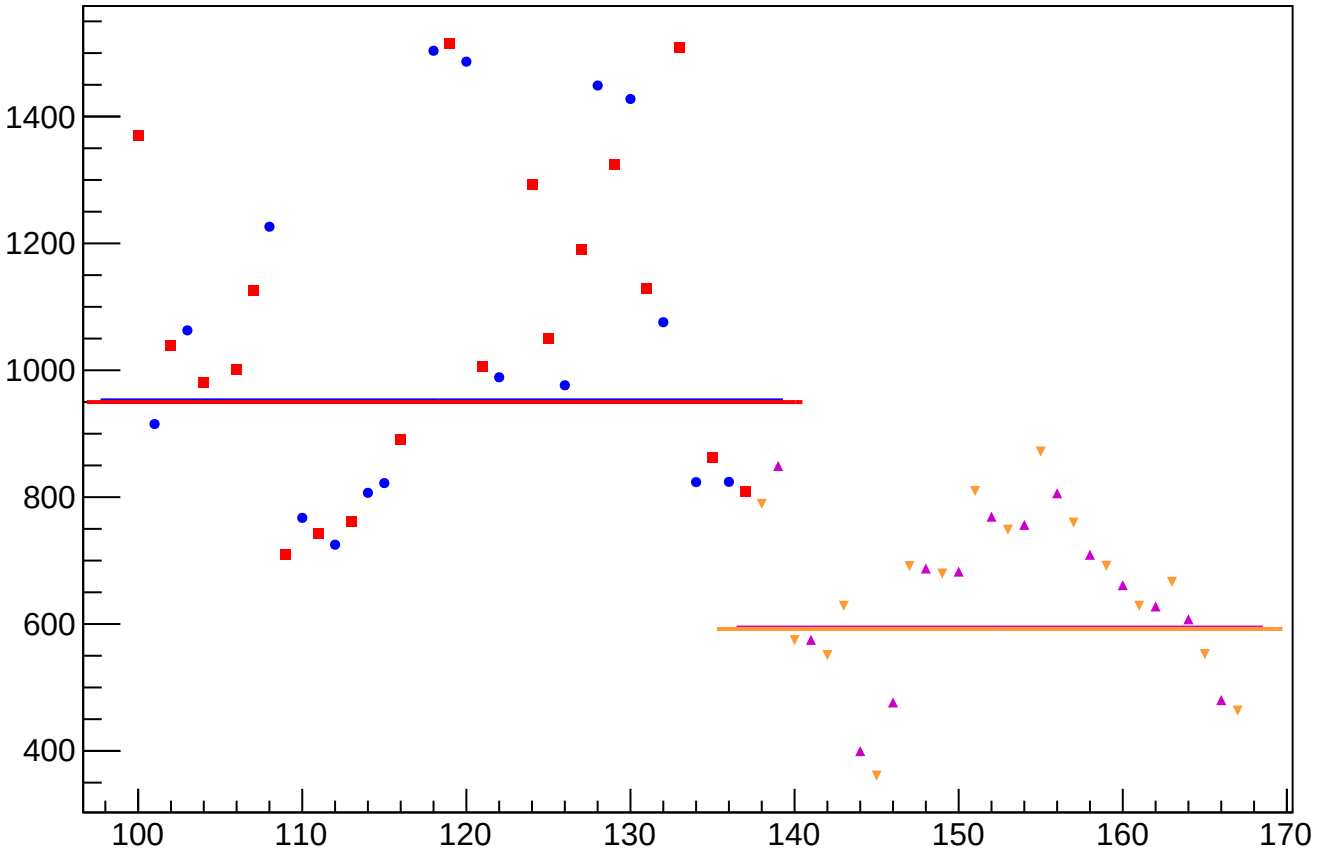
Left: -533.778+/-124.642 χ^2/NDF: 63.8/29

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -97.581+/-161.948 χ^2/NDF:37.2/29

Out: -668.406+/-155.175 χ^2/NDF:69.9/34

All: -395.179+/-112.043 χ^2/NDF: 113.6/64



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 592.192+/-0.122 χ^2/NDF:1460812.2/15

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 594.430+/-0.128 χ^2/NDF:1138434.8/13

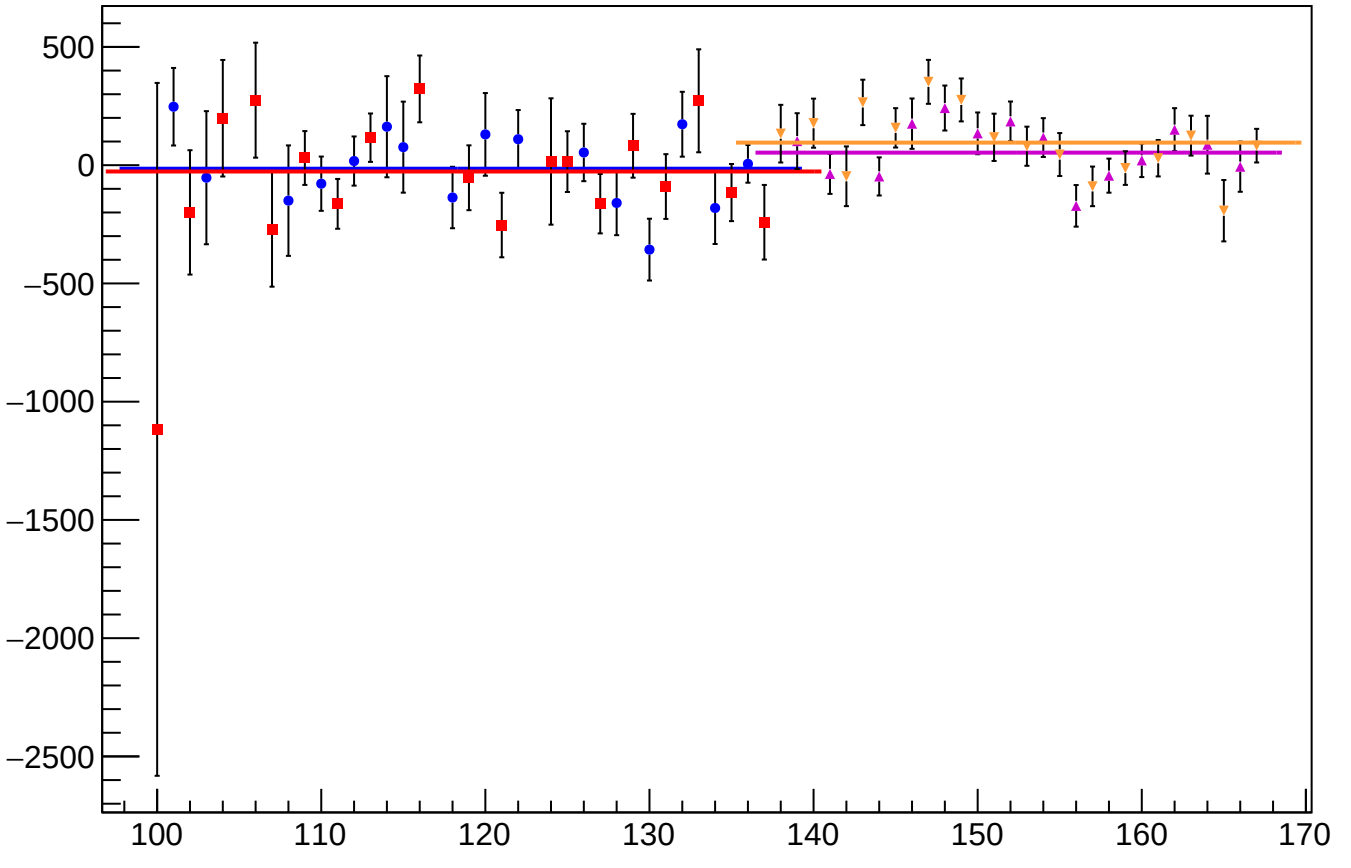
Left: 593.258+/-0.088 χ^2/NDF: 2599407.8/29

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 664.698+/-0.115 χ^2/NDF:3427210.9/29

Out: 659.447+/-0.110 χ^2/NDF:3834936.3/34

All: 661.960+/-0.079 χ^2/NDF: 7263243.4/64



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 95.429+/-22.433 χ^2/NDF:30.7/15

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 53.072+/-23.690 χ^2/NDF:22.2/13

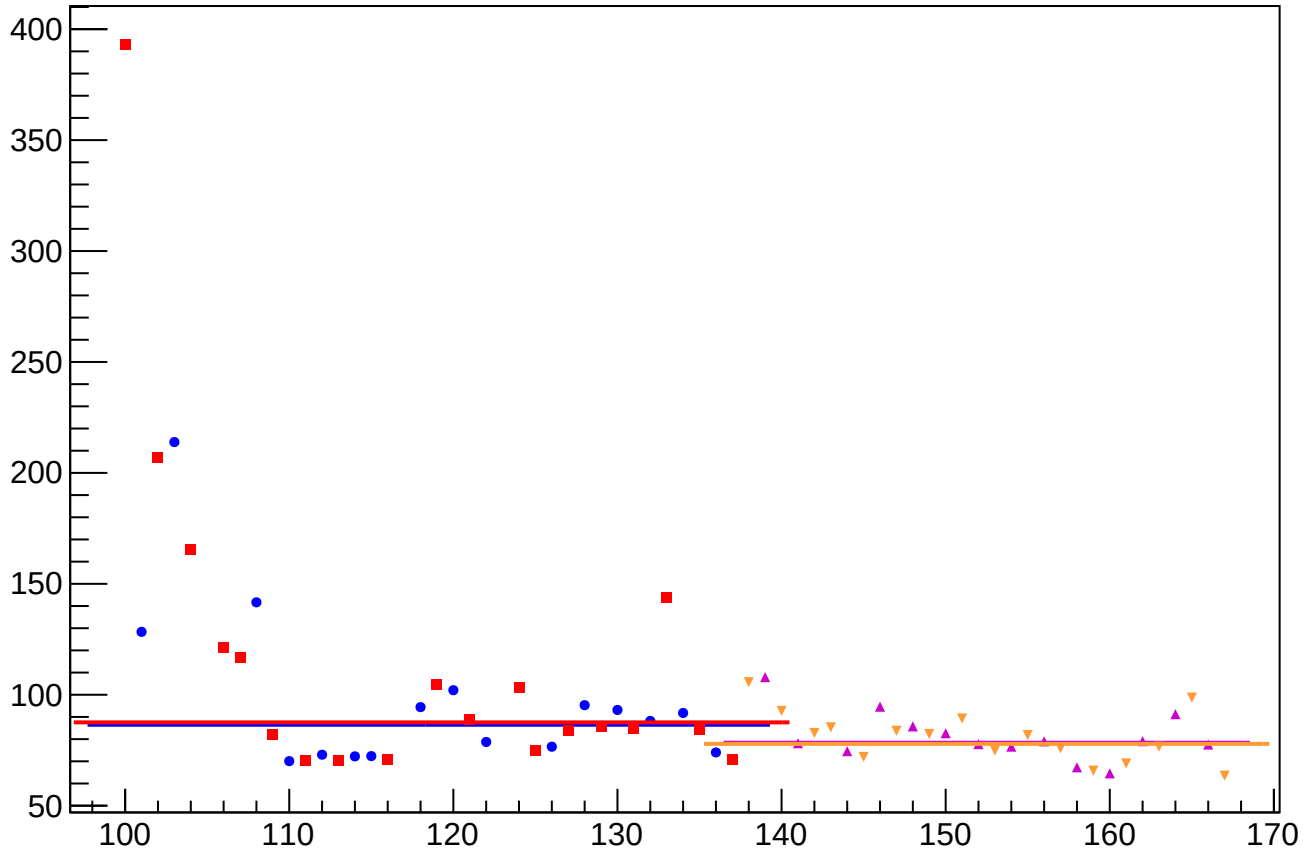
Left: 75.404+/-16.289 χ^2/NDF: 54.5/29

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 30.628+/-19.392 χ^2/NDF:43.1/29

Out: 58.511+/-18.737 χ^2/NDF:63.2/34

All: 45.049+/-13.475 χ^2/NDF: 107.4/64



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 77.864+/-0.016 χ^2/NDF:433921.4/15

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 78.388+/-0.017 χ^2/NDF:340719.2/13

Left: 78.112+/-0.012 χ^2/NDF: 775157.4/29

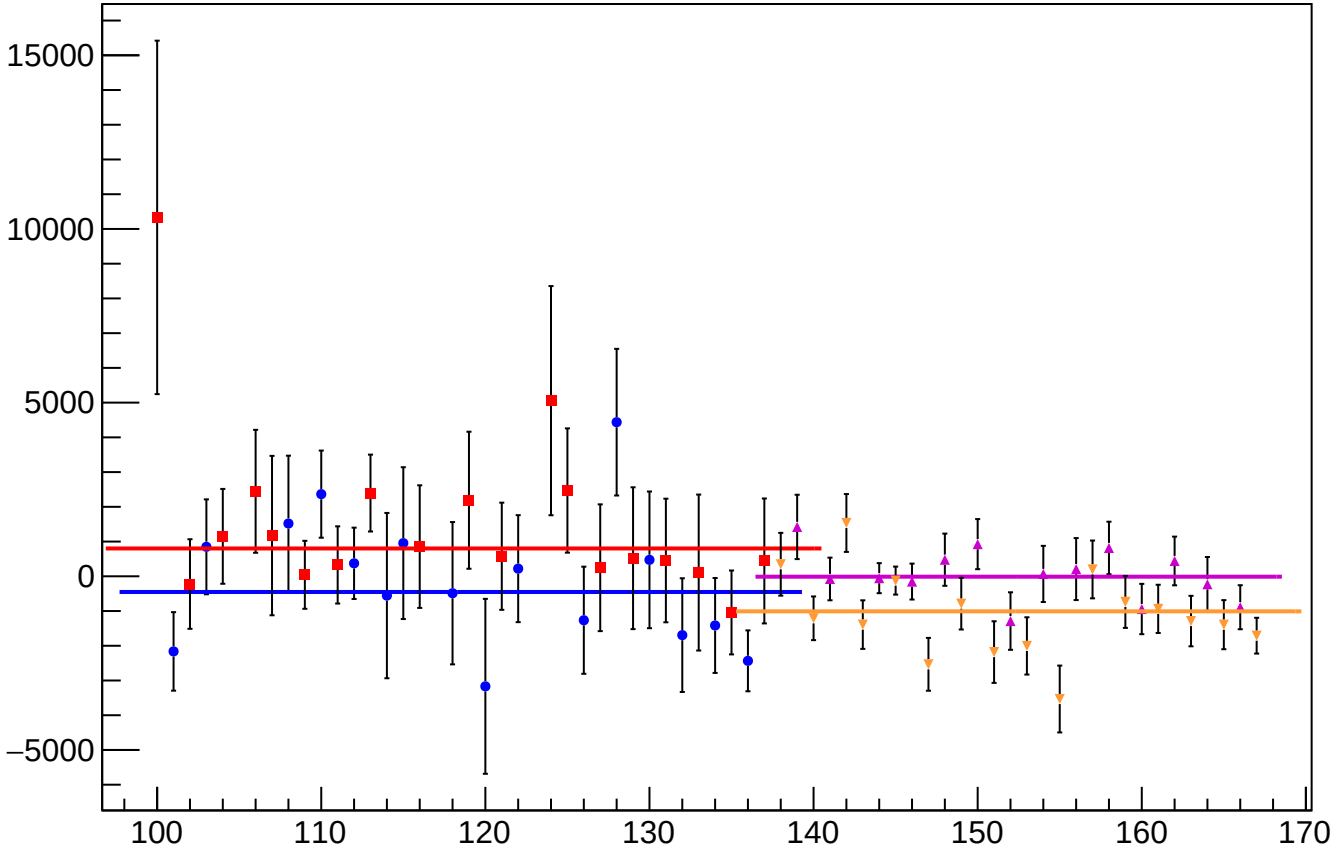
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 81.061+/-0.014 χ^2/NDF:1274131.1/29

Out: 80.794+/-0.013 χ^2/NDF:1676583.6/34

All: 80.923+/-0.010 χ^2/NDF: 2950910.5/64

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -1008.705+/-172.206 χ^2/NDF:35.5/15

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -11.217+/-180.636 χ^2/NDF:12.3/13

Left: -533.778+/-124.642 χ^2/NDF: 63.8/29

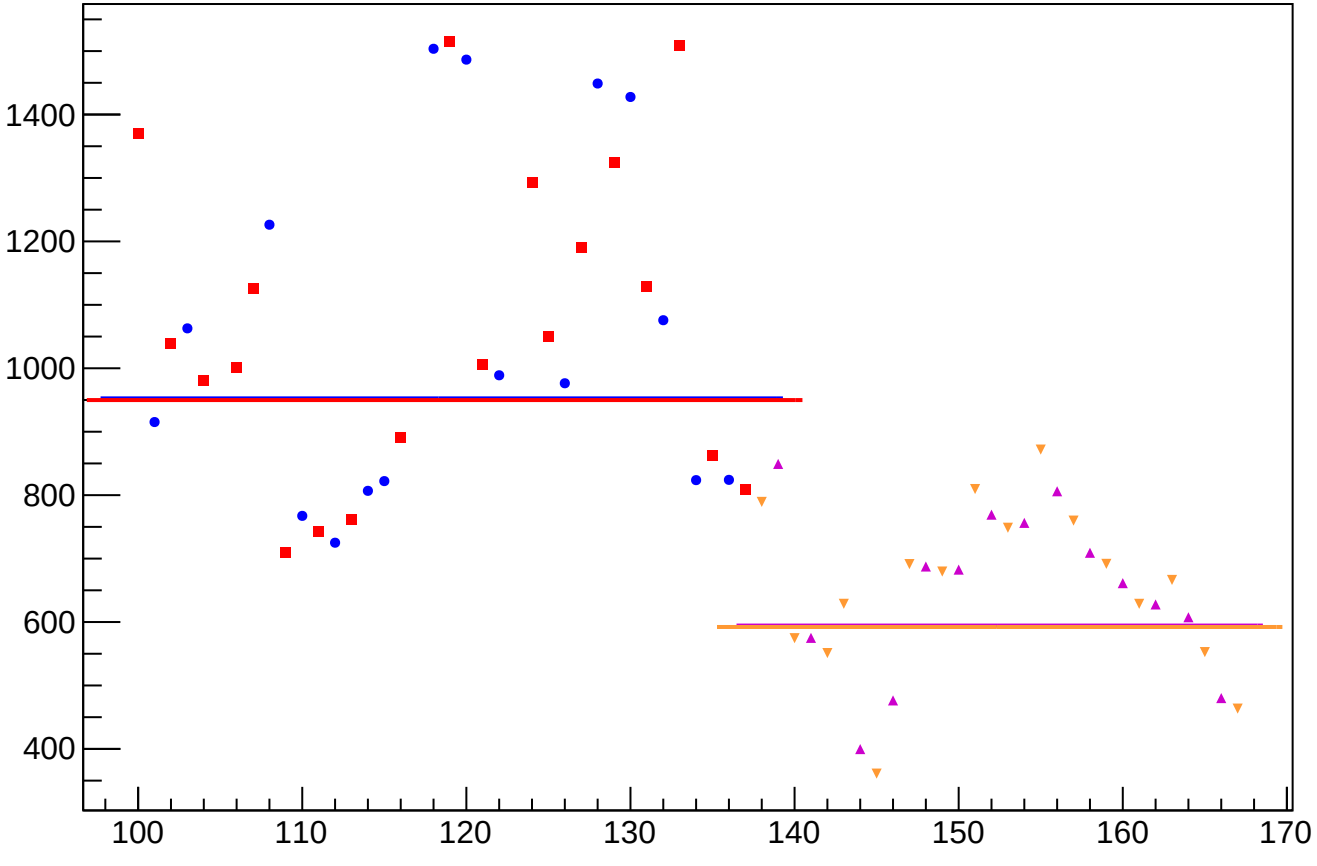
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -97.582+/-161.948 χ^2/NDF:37.2/29

Out: -668.405+/-155.175 χ^2/NDF:69.9/34

All: -395.179+/-112.043 χ^2/NDF: 113.6/64

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 592.192+/-0.122 χ^2/NDF:1460811.2/15

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 594.430+/-0.128 χ^2/NDF:1138433.5/13

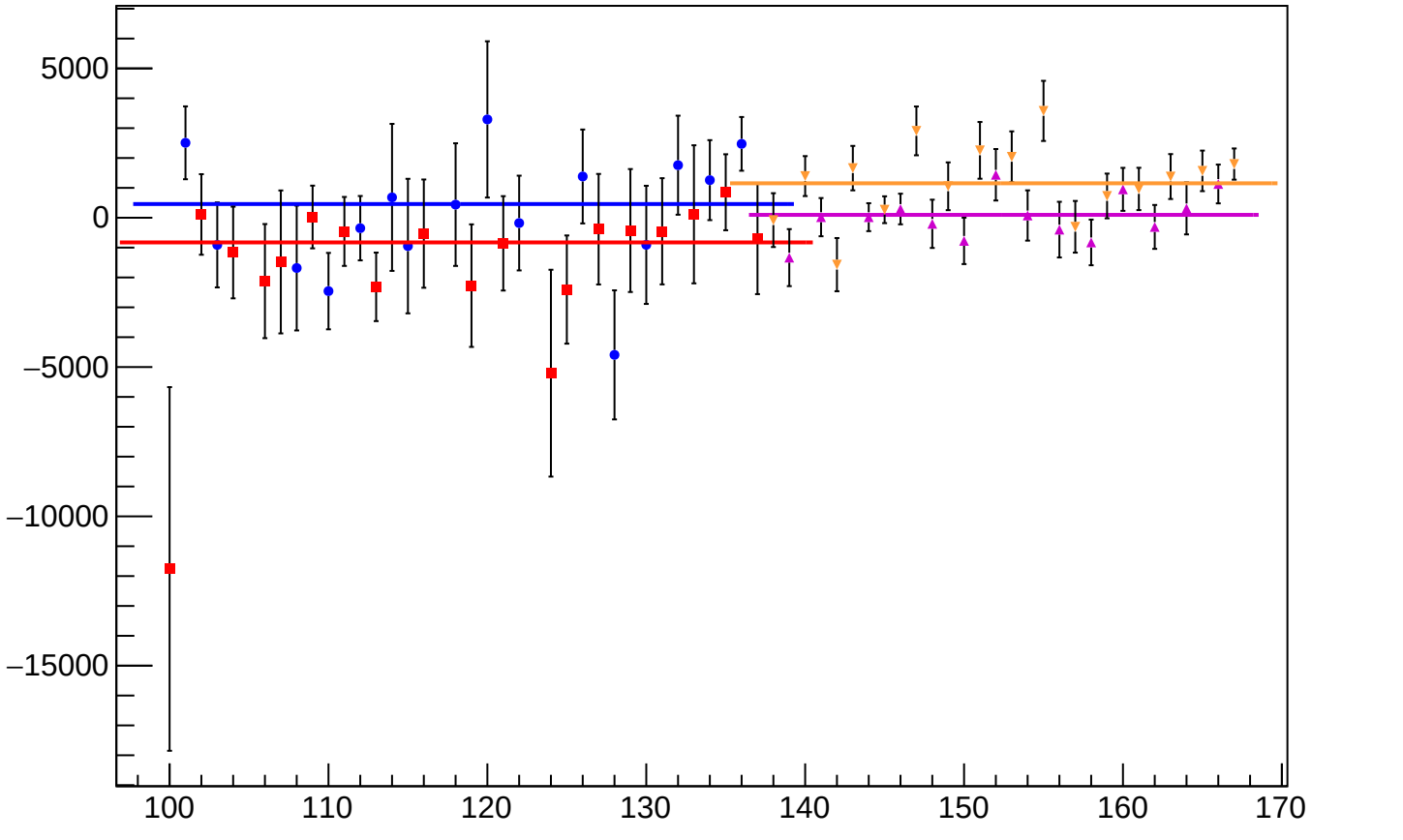
Left: 593.257+/-0.088 χ^2/NDF: 2599405.5/29

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 664.697+/-0.115 χ^2/NDF:3427206.7/29

Out: 659.446+/-0.110 χ^2/NDF:3834929.6/34

All: 661.959+/-0.079 χ^2/NDF: 7263232.5/64



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1153.472+/-180.378 χ^2/NDF:33.8/15

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: 96.231+/-188.318 χ^2/NDF:12.3/13

Left: 647.608+/-130.263 χ^2/NDF: 62.5/29

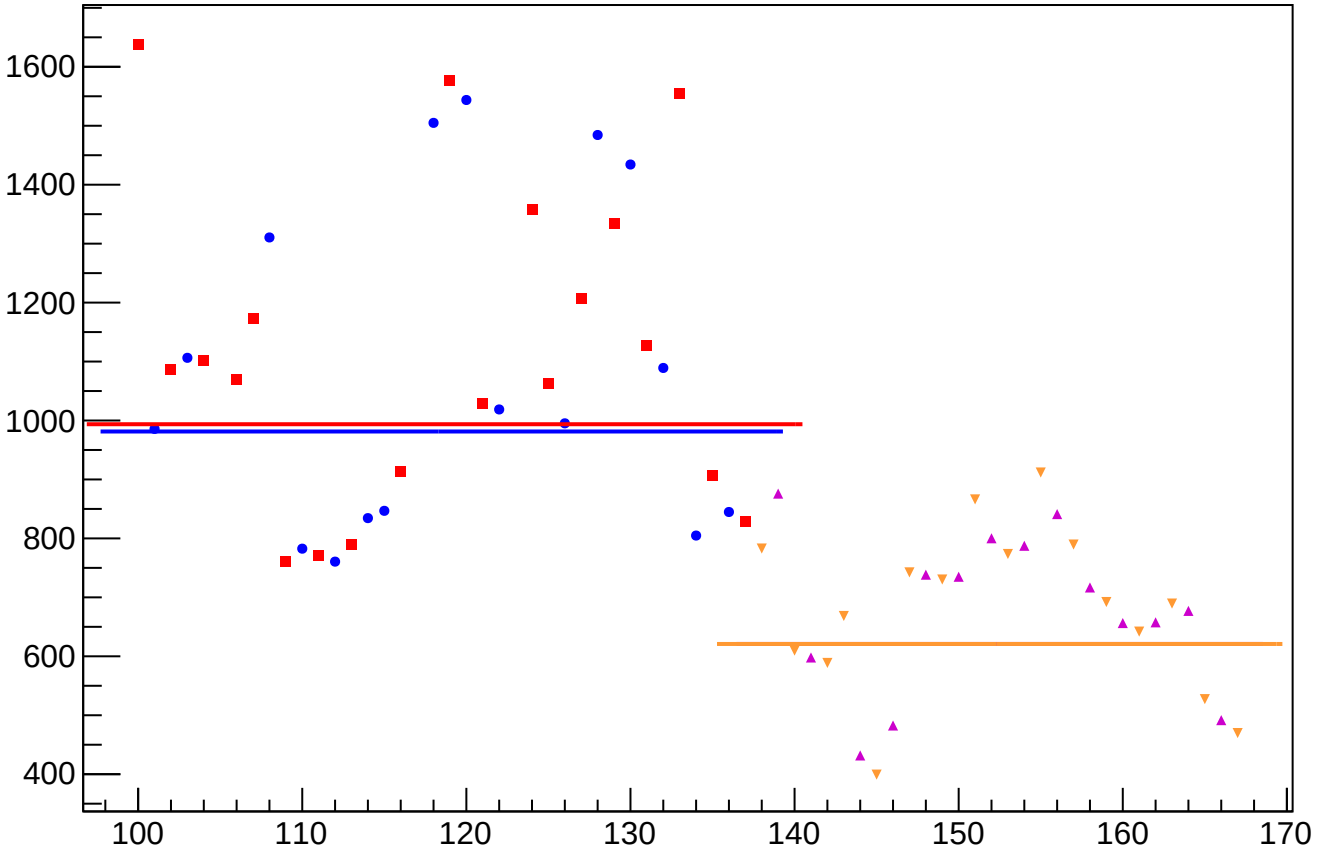
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 168.740+/-168.458 χ^2/NDF:37.6/29

Out: 780.215+/-162.490 χ^2/NDF:68.1/34

All: 485.502+/-116.951 χ^2/NDF: 112.6/64

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 620.917+/-0.128 χ^2/NDF:1326770.5/15

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 620.954+/-0.133 χ^2/NDF:1108709.3/13

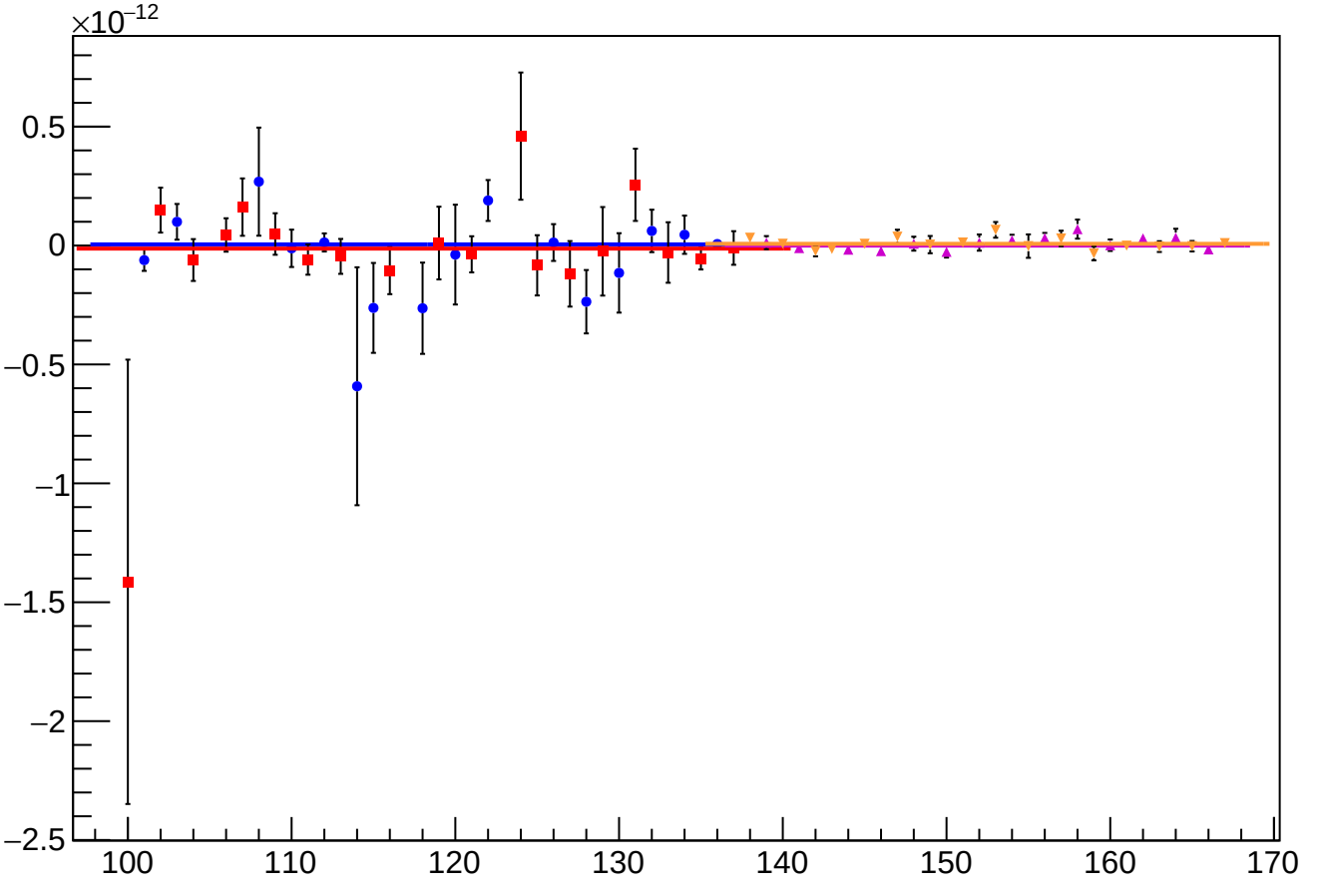
Left: 620.935+/-0.092 χ^2/NDF: 2435479.8/29

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 692.960+/-0.119 χ^2/NDF:3309850.7/29

Out: 691.189+/-0.115 χ^2/NDF:3656760.1/34

All: 692.043+/-0.083 χ^2/NDF: 6966725.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/13

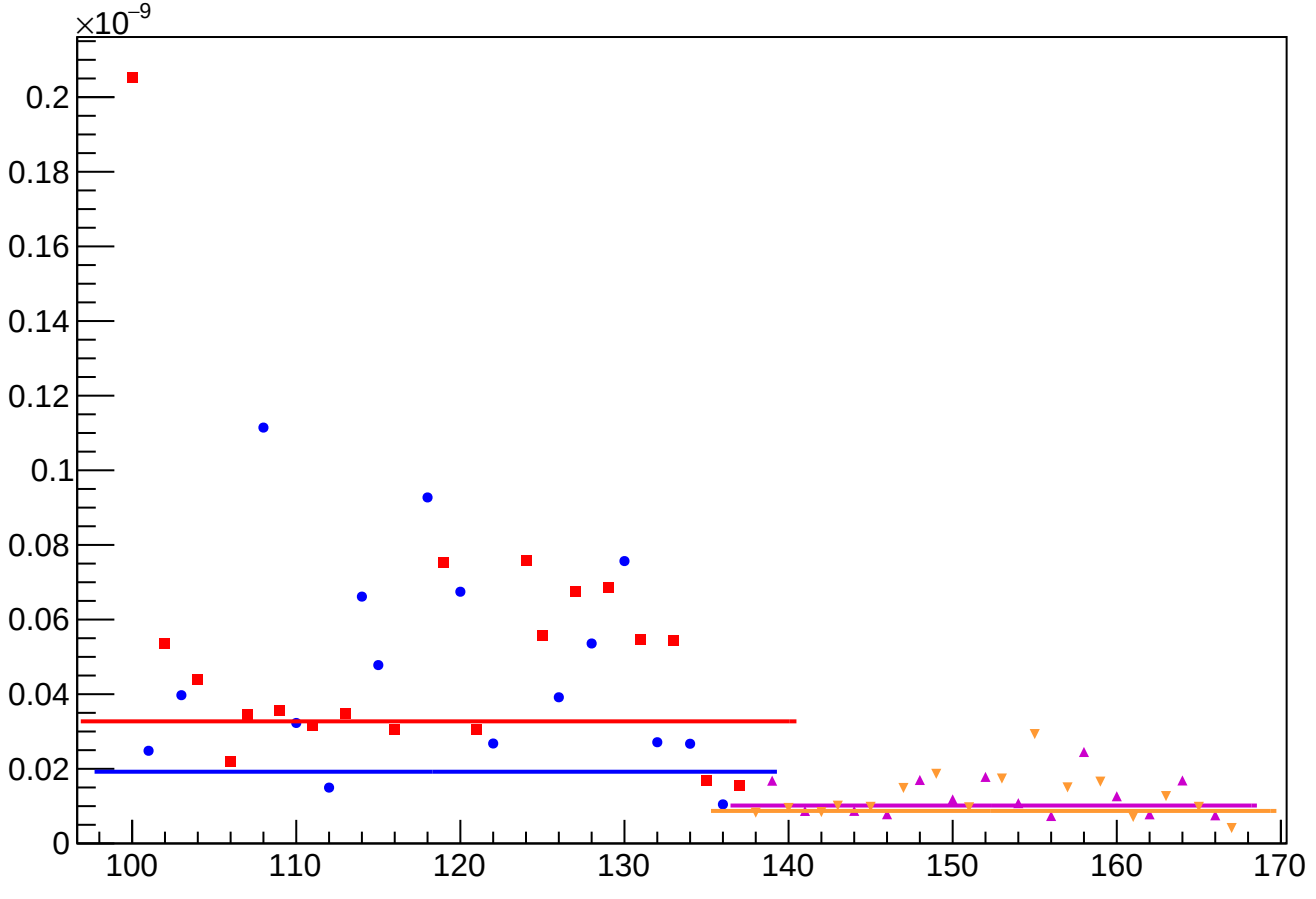
Left: 0.000+/-0.000 χ^2/NDF: 30.2/29

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:36.3/29

Out: 0.000+/-0.000 χ^2/NDF:32.0/34

All: 0.000+/-0.000 χ^2/NDF: 68.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1608143.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:881716.4/13

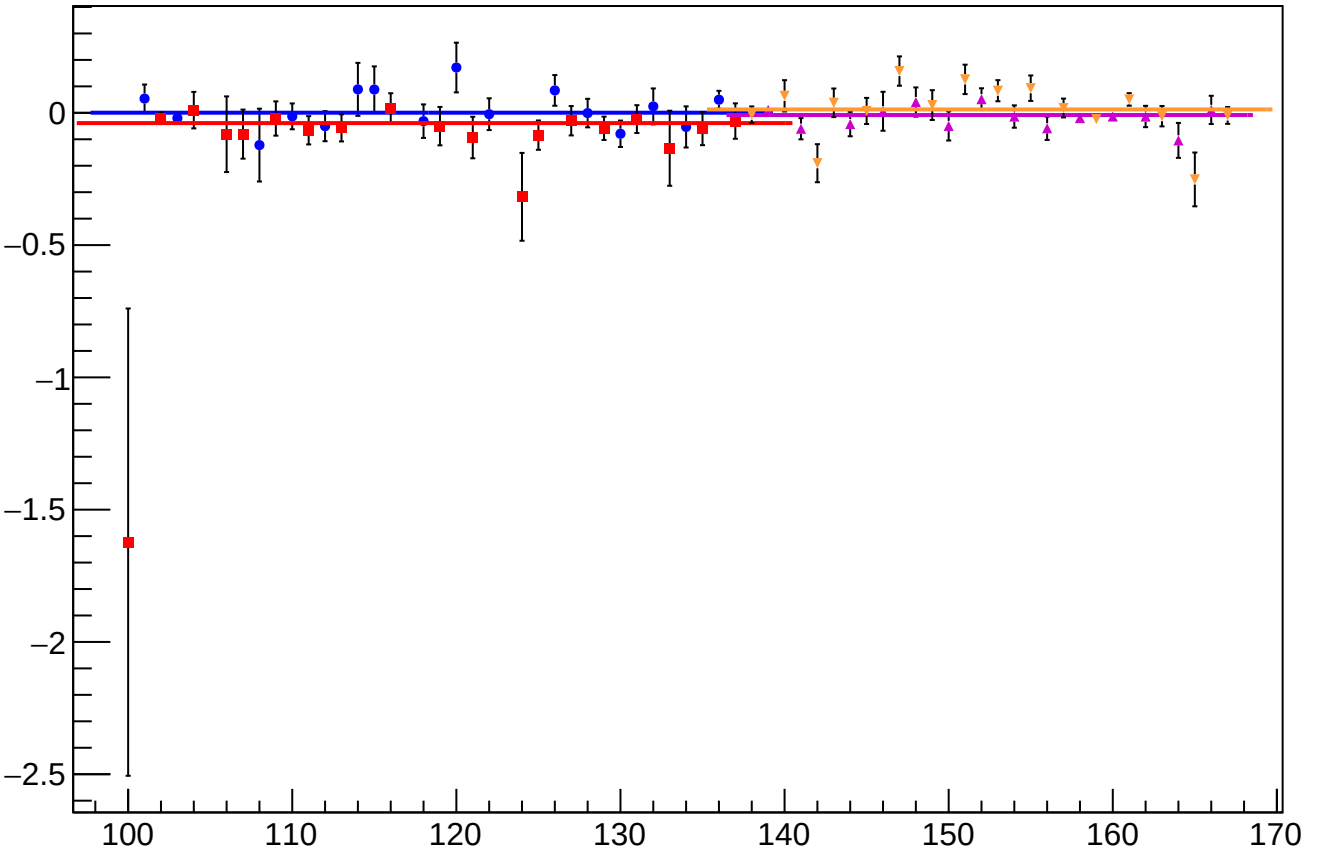
Left: 0.000+/-0.000 χ^2/NDF: 2566778.8/29

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:3543016.4/29

Out: 0.000+/-0.000 χ^2/NDF:5334554.7/34

All: 0.000+/-0.000 χ^2/NDF: 8961857.6/64



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.008+/-0.008 χ^2/NDF:11.9/13

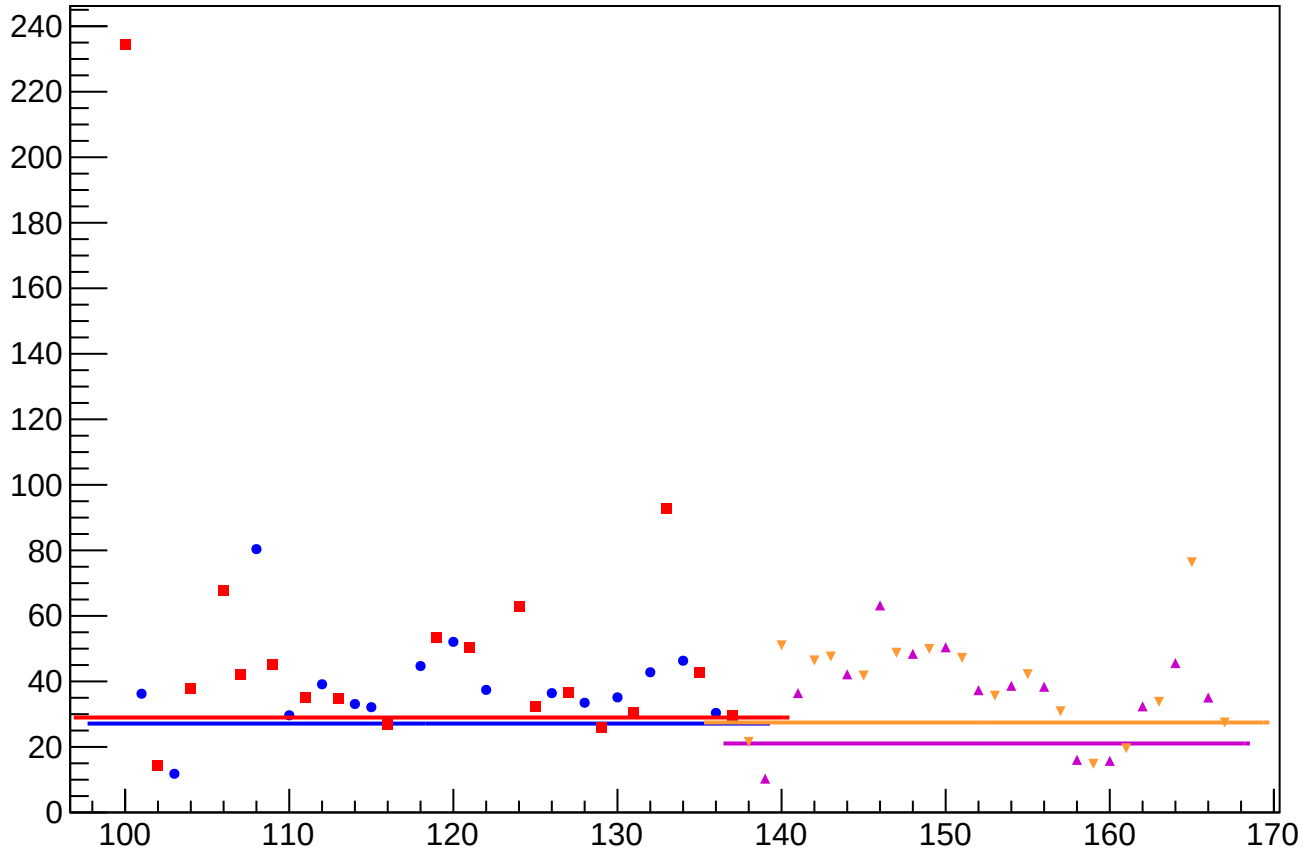
Left: 0.001+/-0.006 χ^2/NDF: 56.7/29

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.8/29

Out: -0.005+/-0.007 χ^2/NDF:63.8/34

All: -0.005+/-0.005 χ^2/NDF: 92.6/64



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.458+/-0.006 χ^2/NDF:4037922.1/15

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.052+/-0.005 χ^2/NDF:5576777.4/13

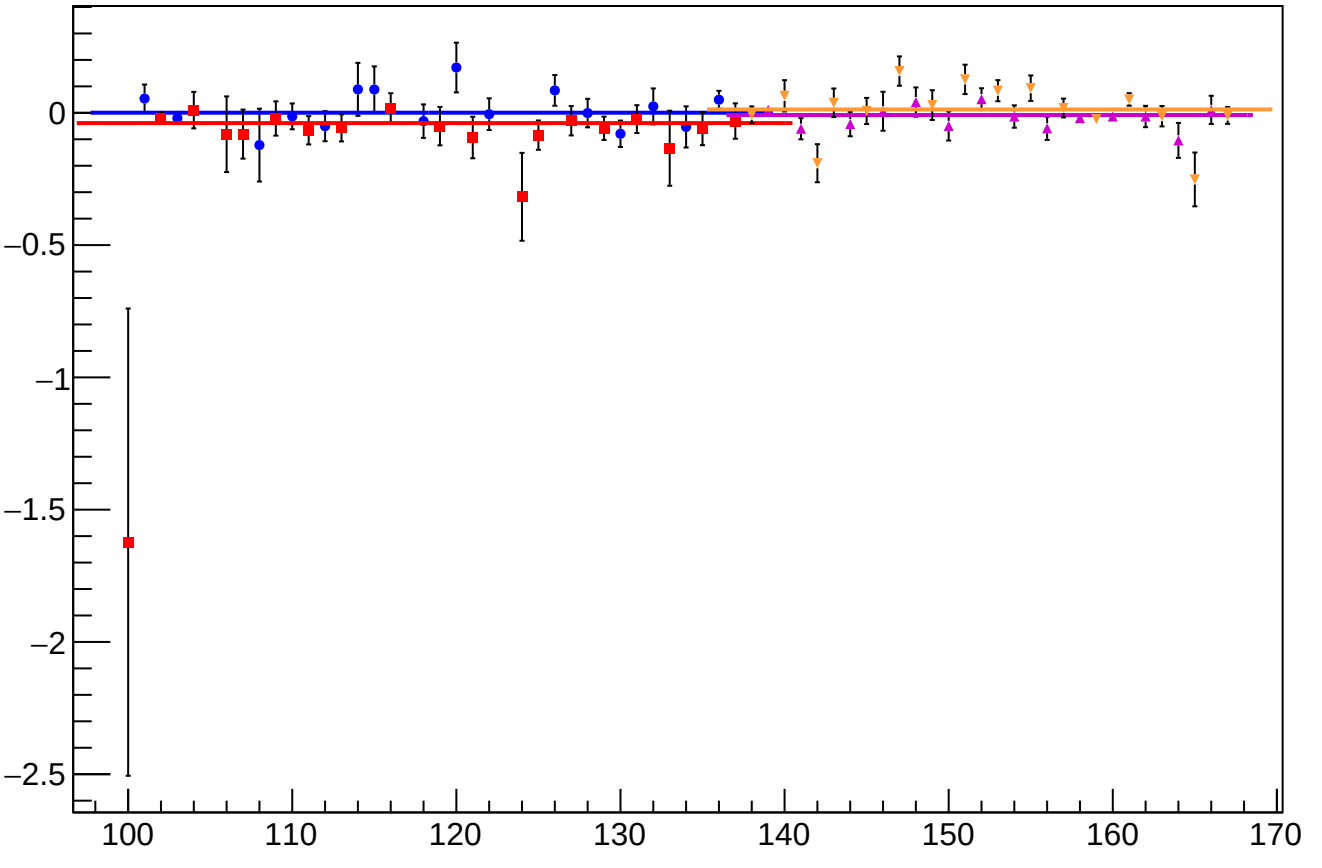
Left: 23.777+/-0.004 χ^2/NDF: 10194309.6/29

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.837+/-0.005 χ^2/NDF:8352198.9/29

Out: 27.971+/-0.005 χ^2/NDF:6513369.6/34

All: 25.102+/-0.003 χ^2/NDF: 15412289.0/64



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.008+/-0.008 χ^2/NDF:11.9/13

Left: 0.001+/-0.006 χ^2/NDF: 56.7/29

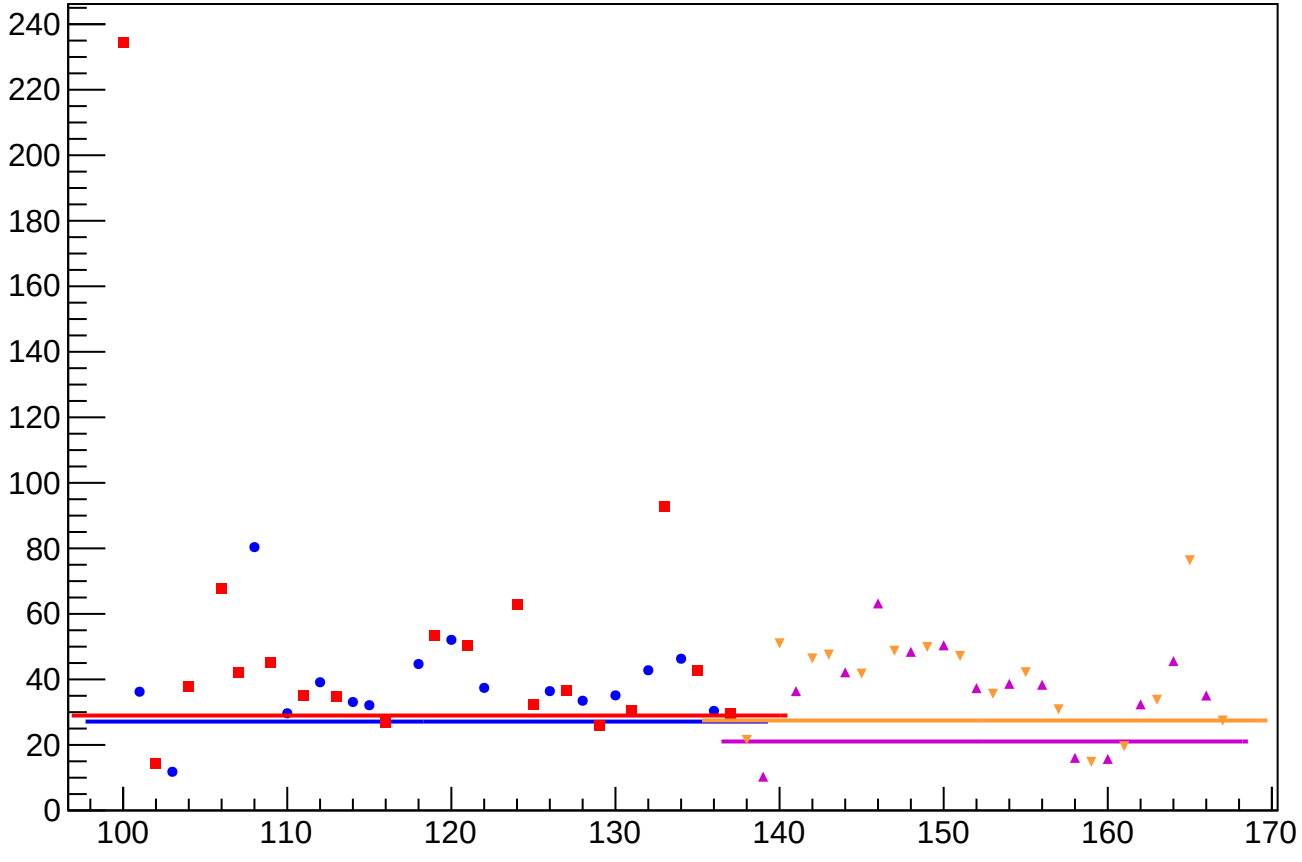
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.8/29

Out: -0.005+/-0.007 χ^2/NDF:63.8/34

All: -0.005+/-0.005 χ^2/NDF: 92.6/64

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.458+/-0.006 χ^2/NDF:4037922.1/15

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.052+/-0.005 χ^2/NDF:5576777.4/13

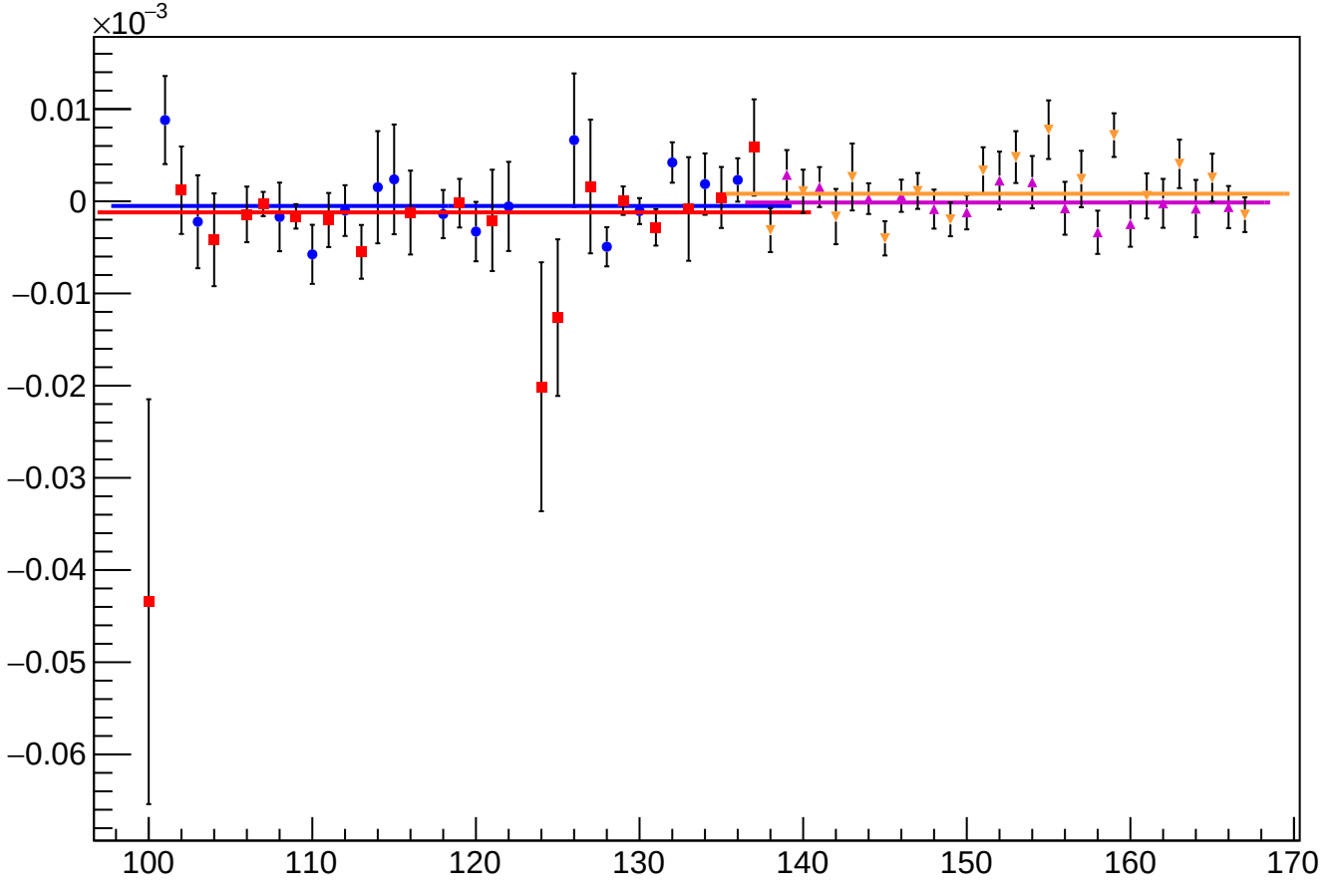
Left: 23.777+/-0.004 χ^2/NDF: 10194309.6/29

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.837+/-0.005 χ^2/NDF:8352198.9/29

Out: 27.971+/-0.005 χ^2/NDF:6513369.6/34

All: 25.102+/-0.003 χ^2/NDF: 15412289.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/13

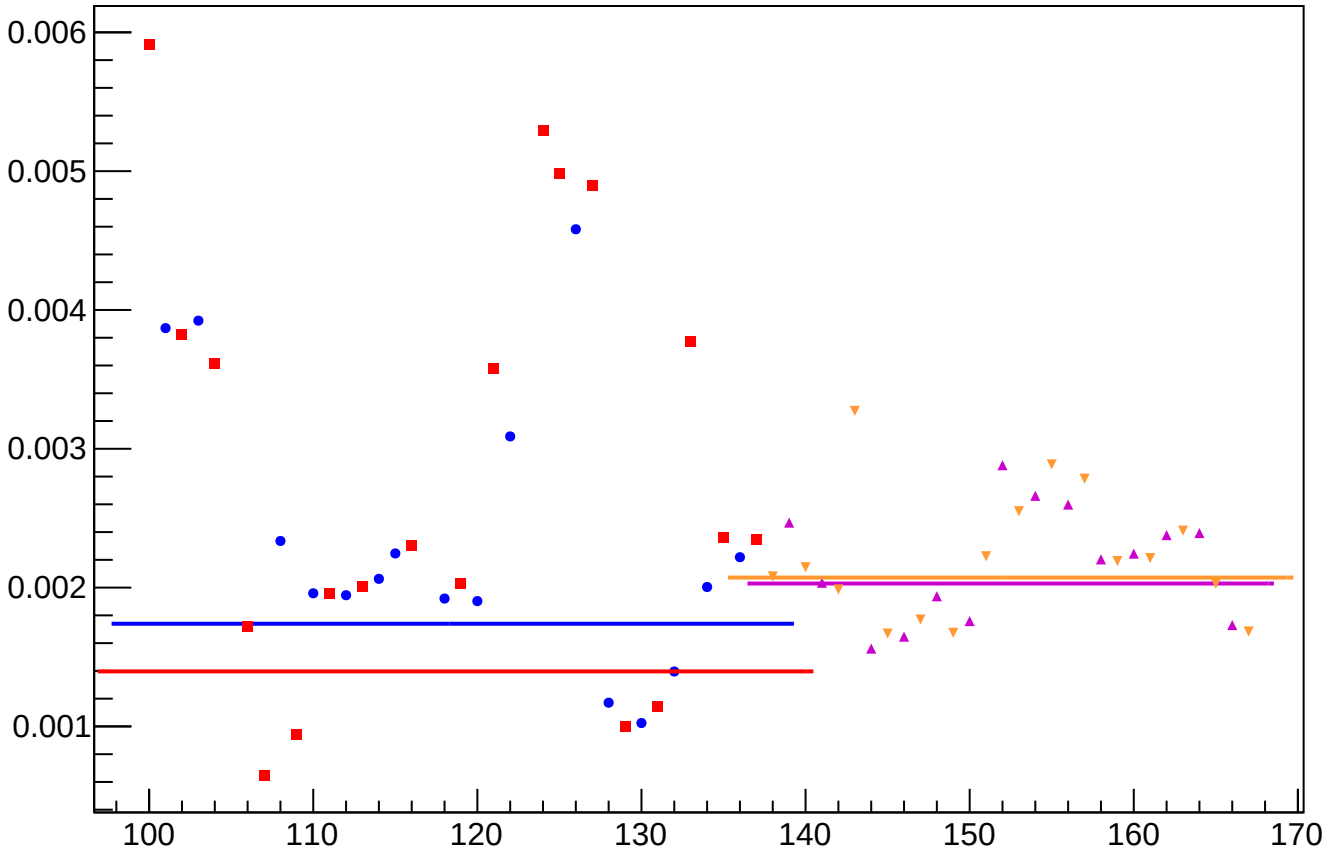
Left: 0.000+/-0.000 χ^2/NDF: 39.4/29

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:26.8/29

Out: -0.000+/-0.000 χ^2/NDF:51.7/34

All: -0.000+/-0.000 χ^2/NDF: 78.5/64



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:894372.6/15

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:801766.9/13

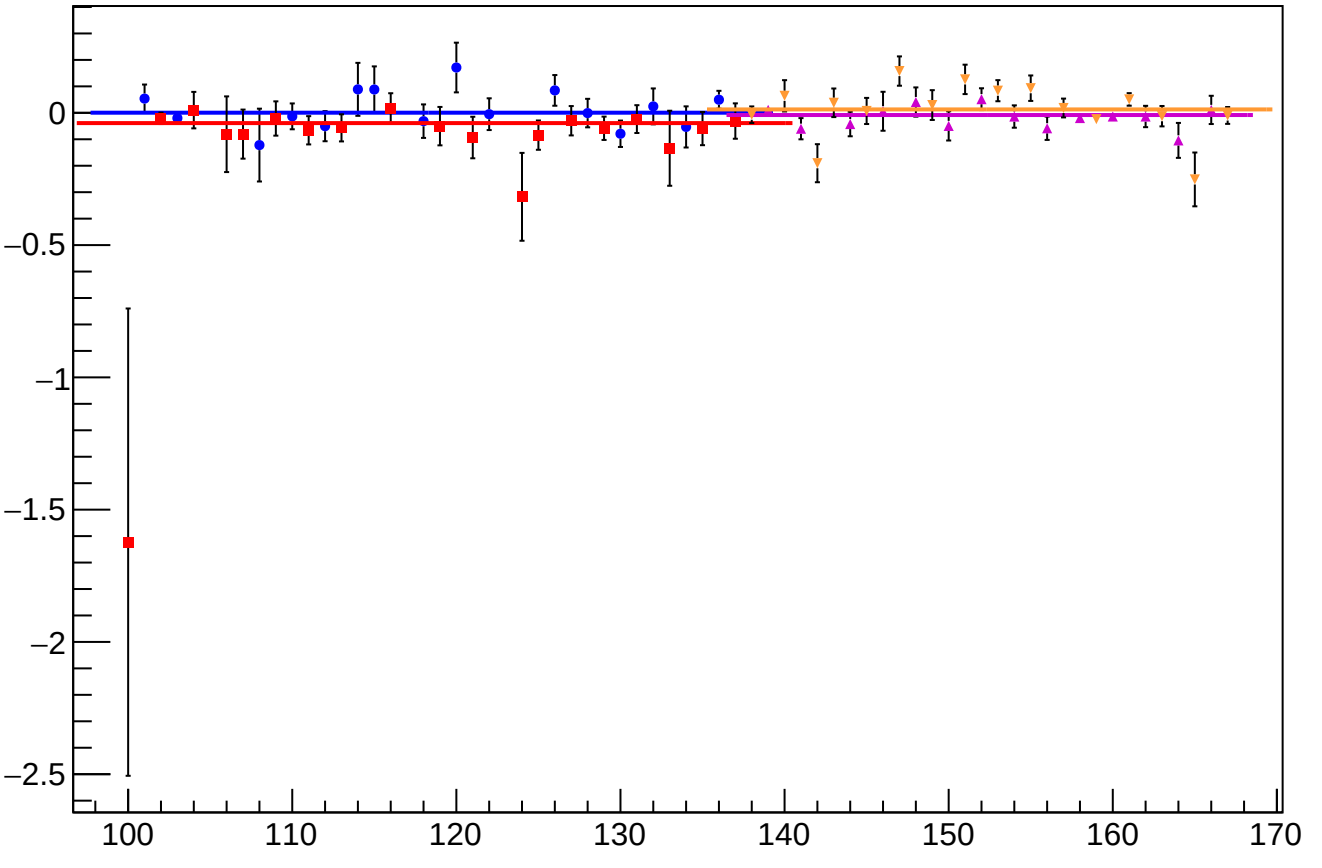
Left: 0.002+/-0.000 χ^2/NDF: 1701171.4/29

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3138002.6/29

Out: 0.002+/-0.000 χ^2/NDF:6468347.2/34

All: 0.002+/-0.000 χ^2/NDF: 9742963.0/64



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.008+/-0.008 χ^2/NDF:11.9/13

Left: 0.001+/-0.006 χ^2/NDF: 56.7/29

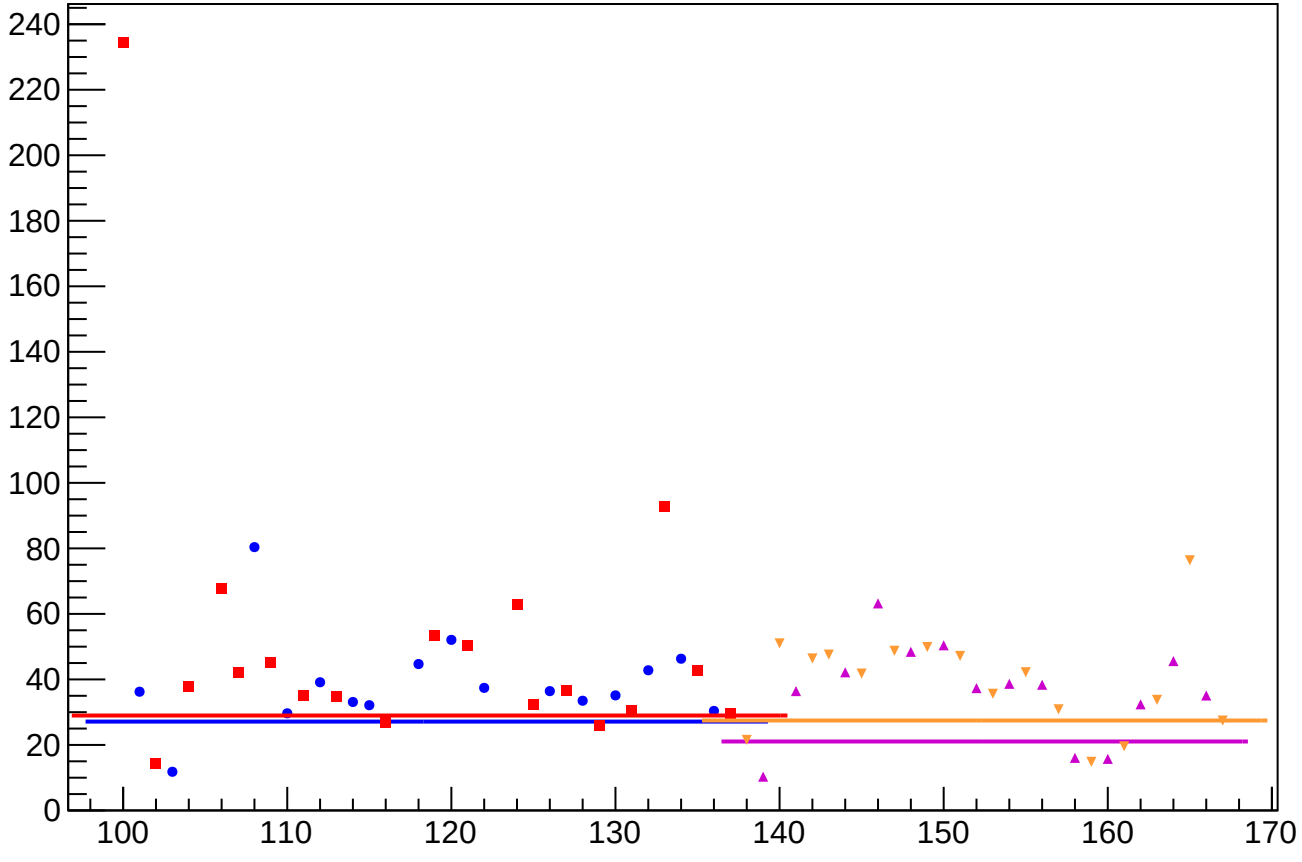
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.8/29

Out: -0.005+/-0.007 χ^2/NDF:63.8/34

All: -0.005+/-0.005 χ^2/NDF: 92.6/64

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.457+/-0.006 χ^2/NDF:4038360.0/15

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.051+/-0.005 χ^2/NDF:5577551.7/13

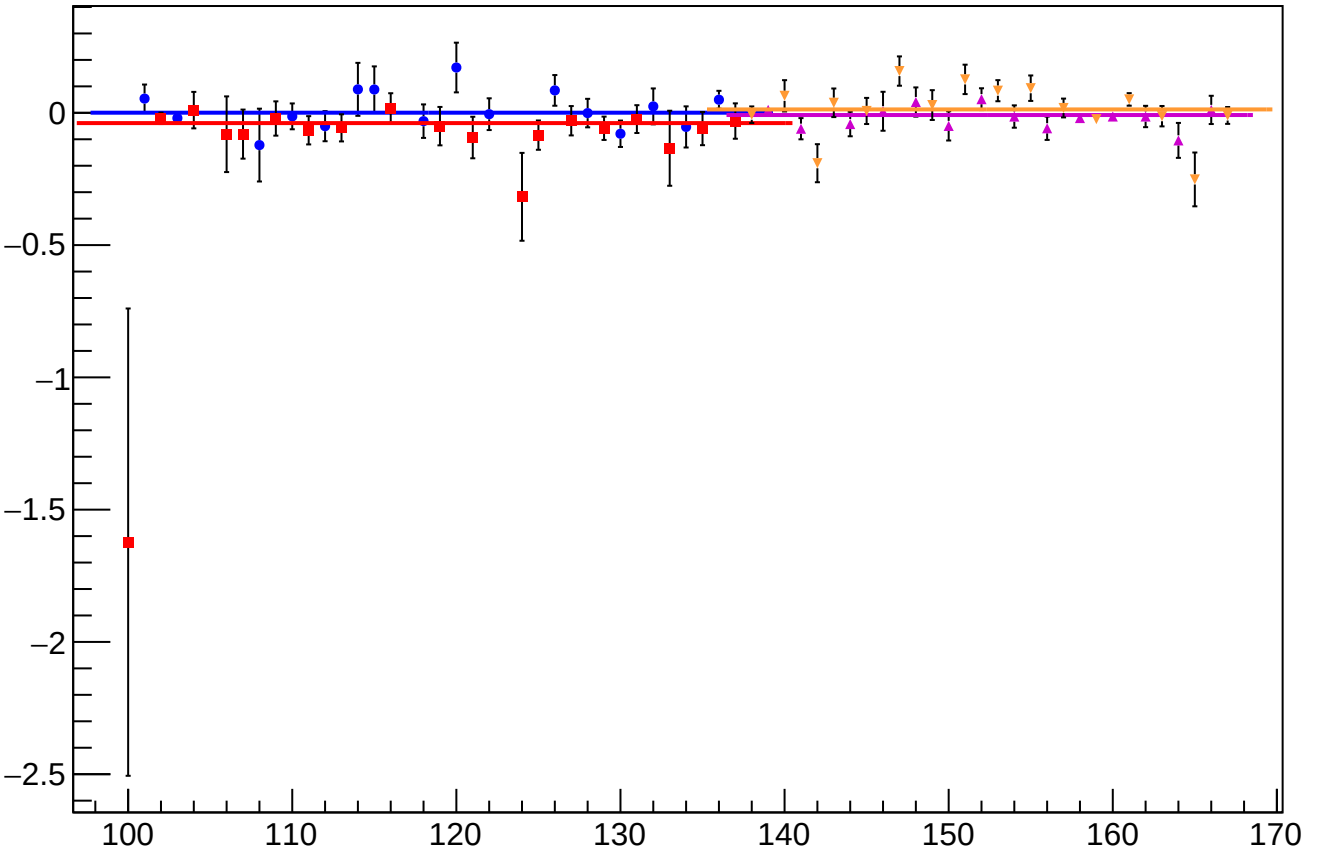
Left: 23.776+/-0.004 χ^2/NDF: 10195678.4/29

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.836+/-0.005 χ^2/NDF:8353395.1/29

Out: 27.972+/-0.005 χ^2/NDF:6513296.2/34

All: 25.101+/-0.003 χ^2/NDF: 15413780.3/64



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.008+/-0.008 χ^2/NDF:11.9/13

Left: 0.001+/-0.006 χ^2/NDF: 56.7/29

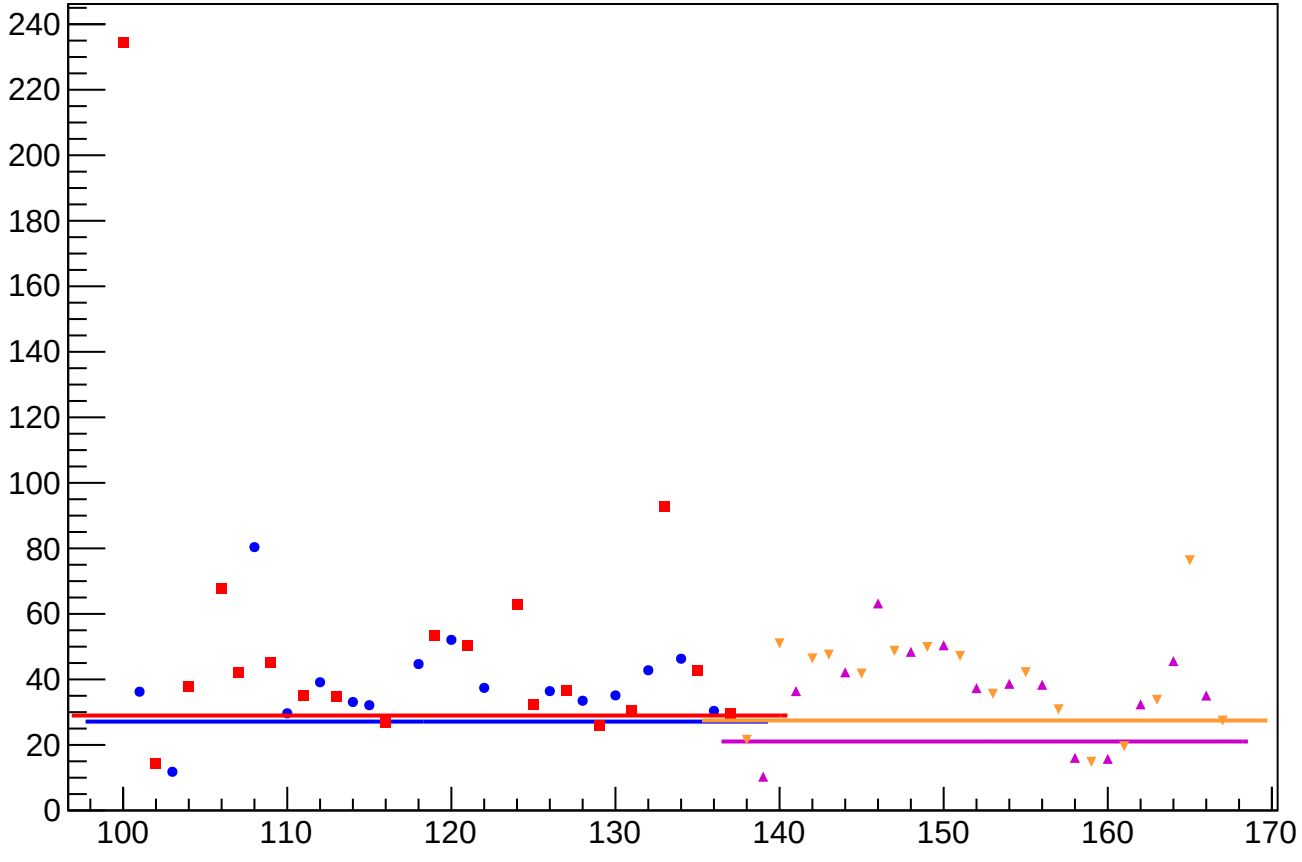
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.8/29

Out: -0.005+/-0.007 χ^2/NDF:63.8/34

All: -0.005+/-0.005 χ^2/NDF: 92.6/64

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.457+/-0.006 χ^2/NDF:4038360.0/15

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.051+/-0.005 χ^2/NDF:5577551.7/13

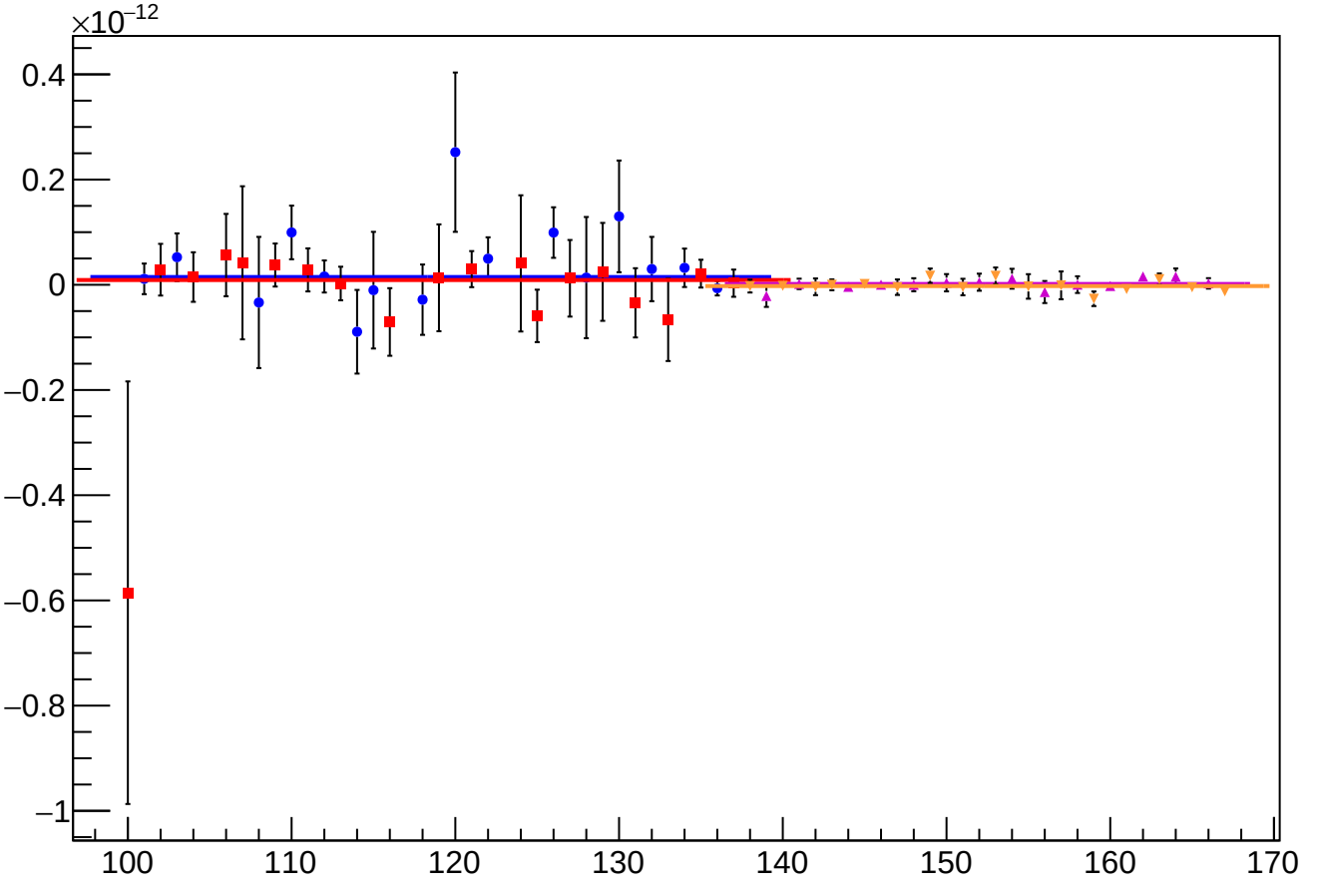
Left: 23.776+/-0.004 χ^2/NDF: 10195678.4/29

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.836+/-0.005 χ^2/NDF:8353395.1/29

Out: 27.972+/-0.005 χ^2/NDF:6513296.2/34

All: 25.101+/-0.003 χ^2/NDF: 15413780.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/13

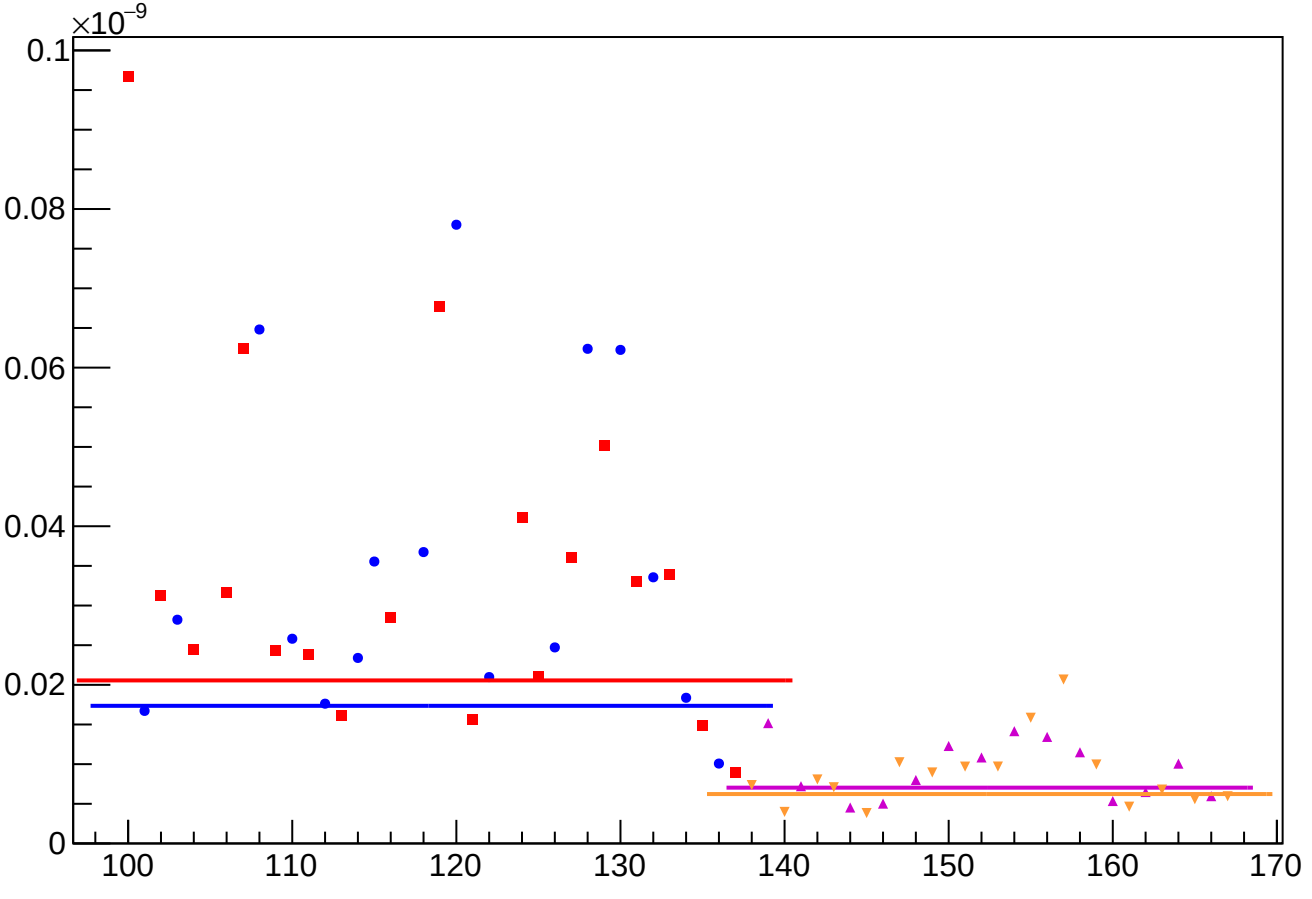
Left: -0.000+/-0.000 χ^2/NDF: 17.8/29

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:23.9/29

Out: -0.000+/-0.000 χ^2/NDF:20.7/34

All: 0.000+/-0.000 χ^2/NDF: 46.0/64



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2165989.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1851508.6/13

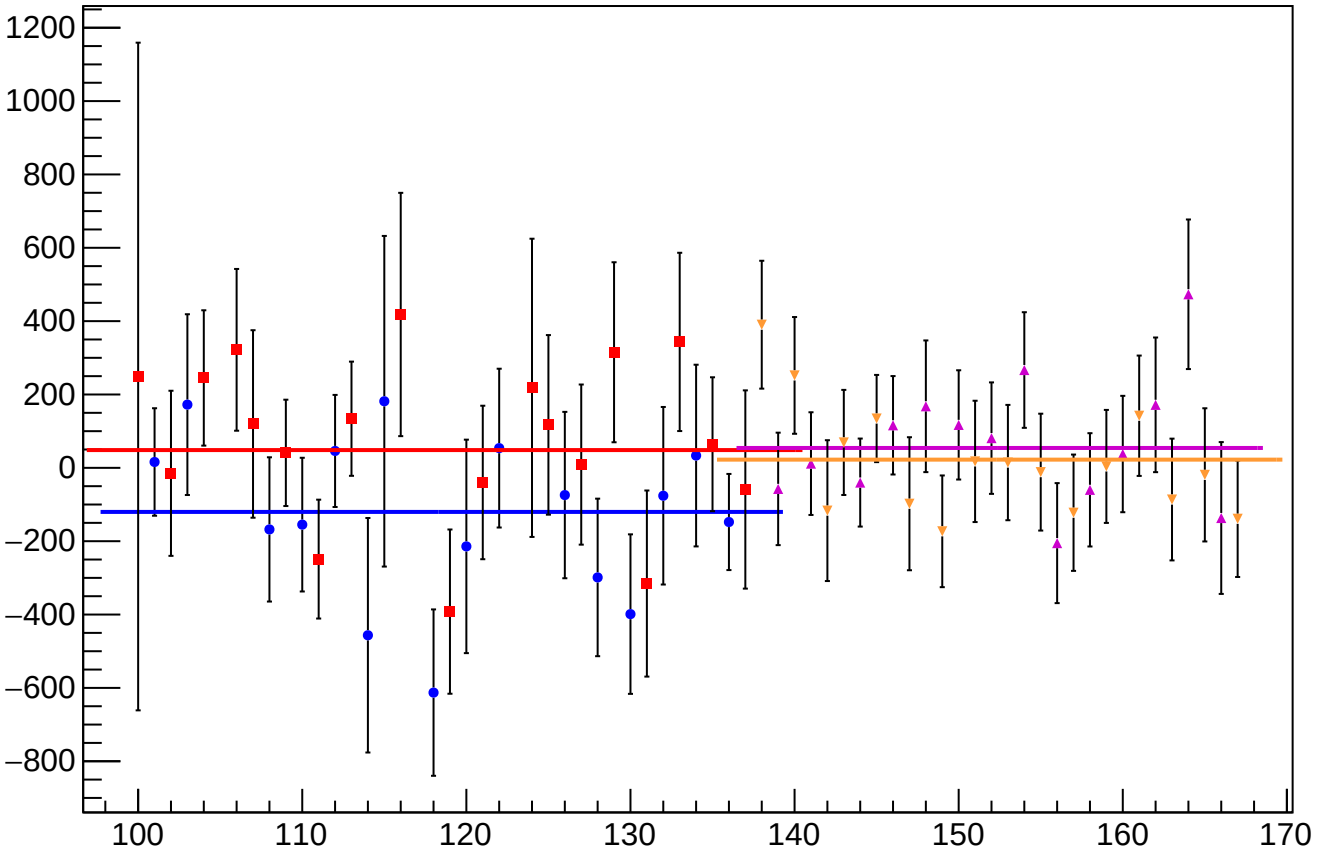
Left: 0.000+/-0.000 χ^2/NDF: 4099053.2/29

Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:6460728.8/29

Out: 0.000+/-0.000 χ^2/NDF:7398457.6/34

All: 0.000+/-0.000 χ^2/NDF: 13980360.8/64



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 22.386+/-39.708 χ^2/NDF:13.1/15

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 54.209+/-41.730 χ^2/NDF:12.4/13

Left: 37.508+/-28.766 χ^2/NDF: 25.8/29

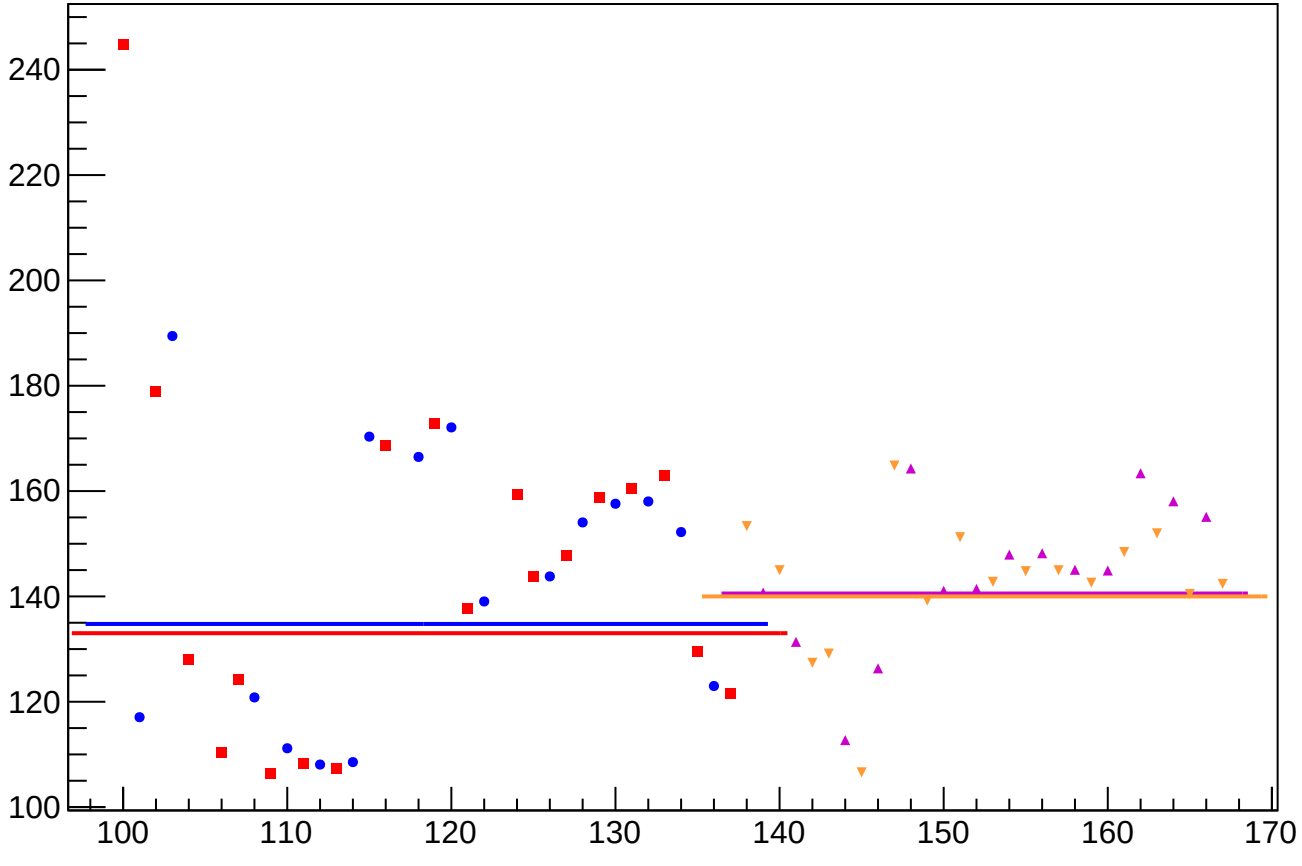
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -15.546+/-32.322 χ^2/NDF:32.8/29

Out: 32.488+/-31.073 χ^2/NDF:30.3/34

All: 9.417+/-22.401 χ^2/NDF: 64.2/64

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.997+/-0.028 χ^2/NDF:259614.3/15

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 140.551+/-0.030 χ^2/NDF:241223.1/13

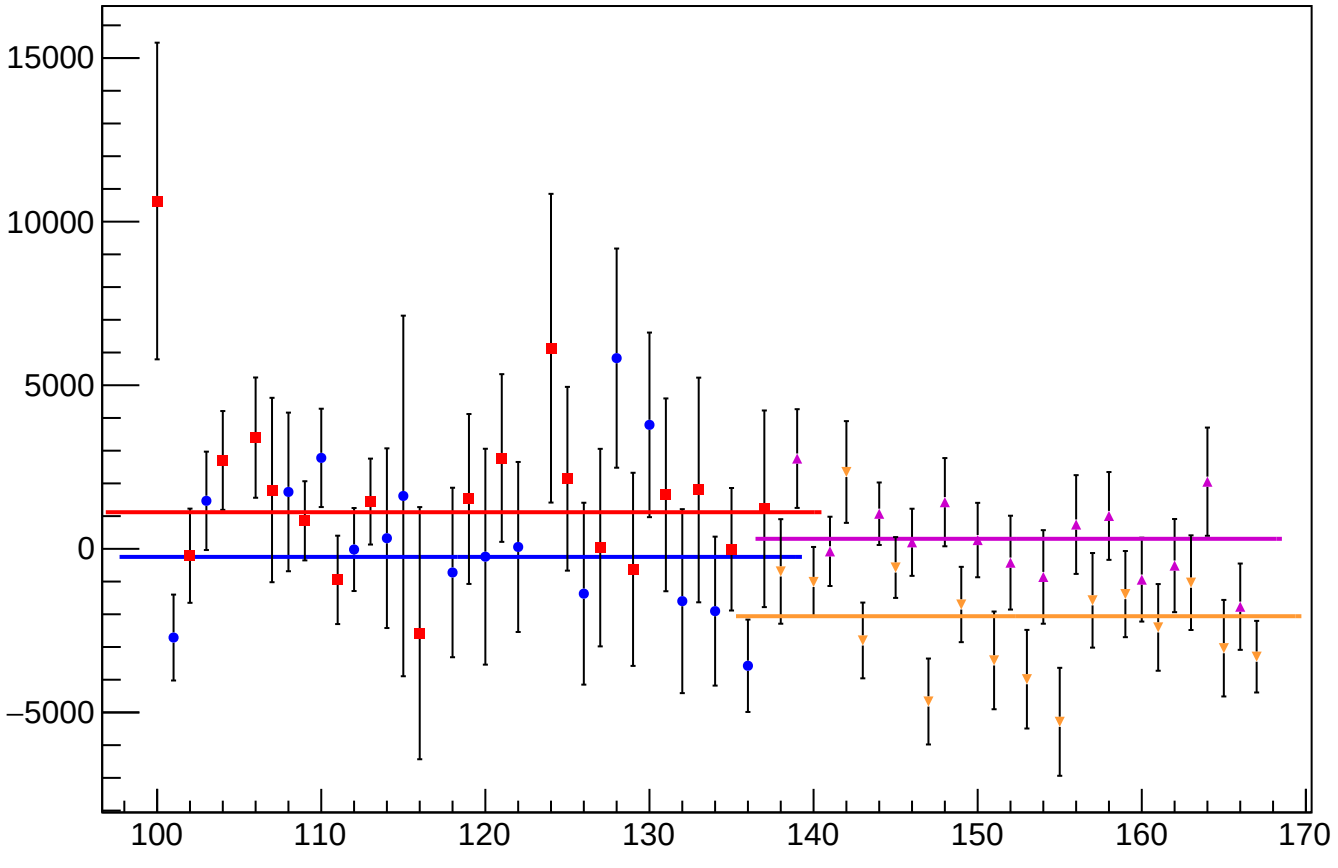
Left: 140.260+/-0.020 χ^2/NDF: 501022.3/29

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 138.238+/-0.023 χ^2/NDF:673348.3/29

Out: 137.292+/-0.022 χ^2/NDF:779267.6/34

All: 137.747+/-0.016 χ^2/NDF: 1453506.9/64



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -2059.209+/-323.231 χ^2/NDF:25.7/15

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 306.380+/-338.768 χ^2/NDF:10.3/13

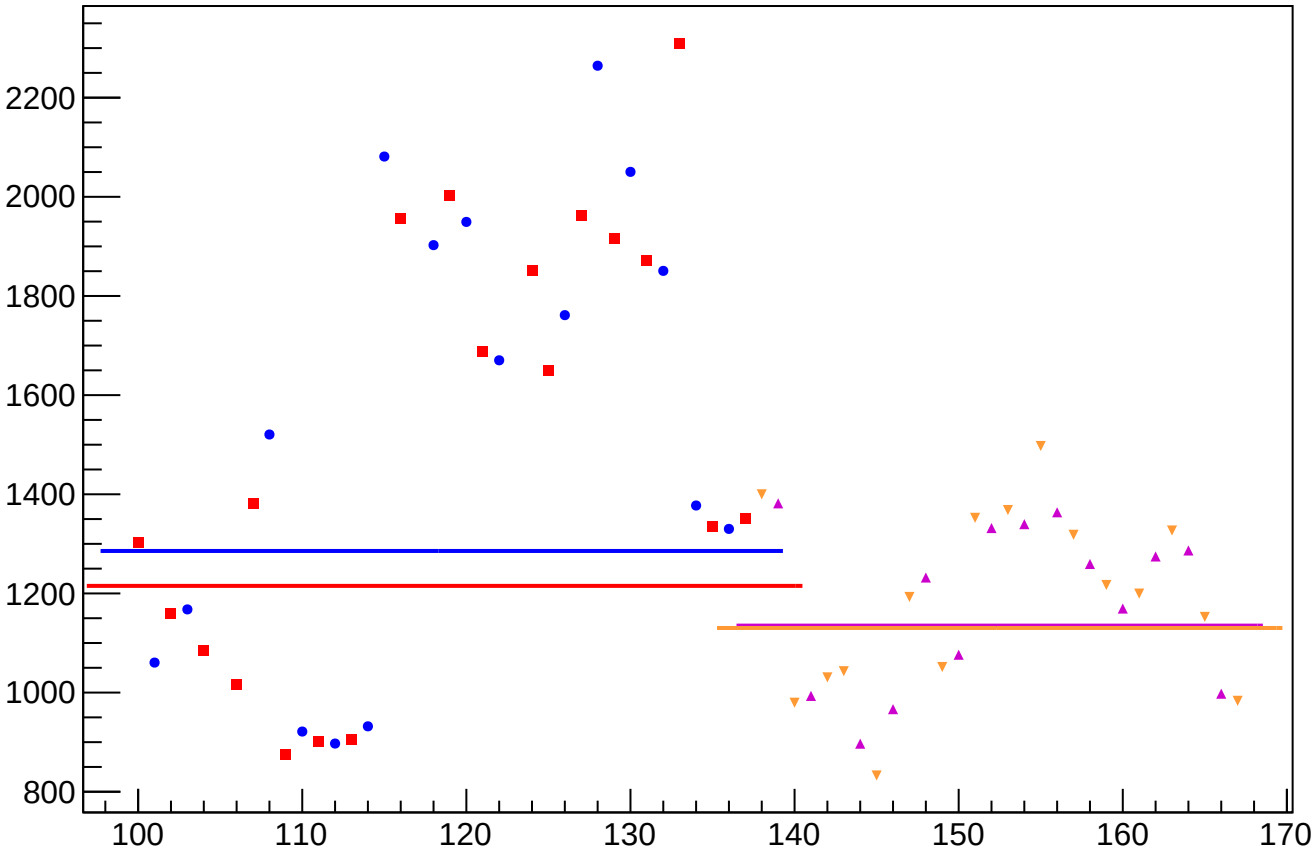
Left: -931.905+/-233.859 χ^2/NDF: 61.5/29

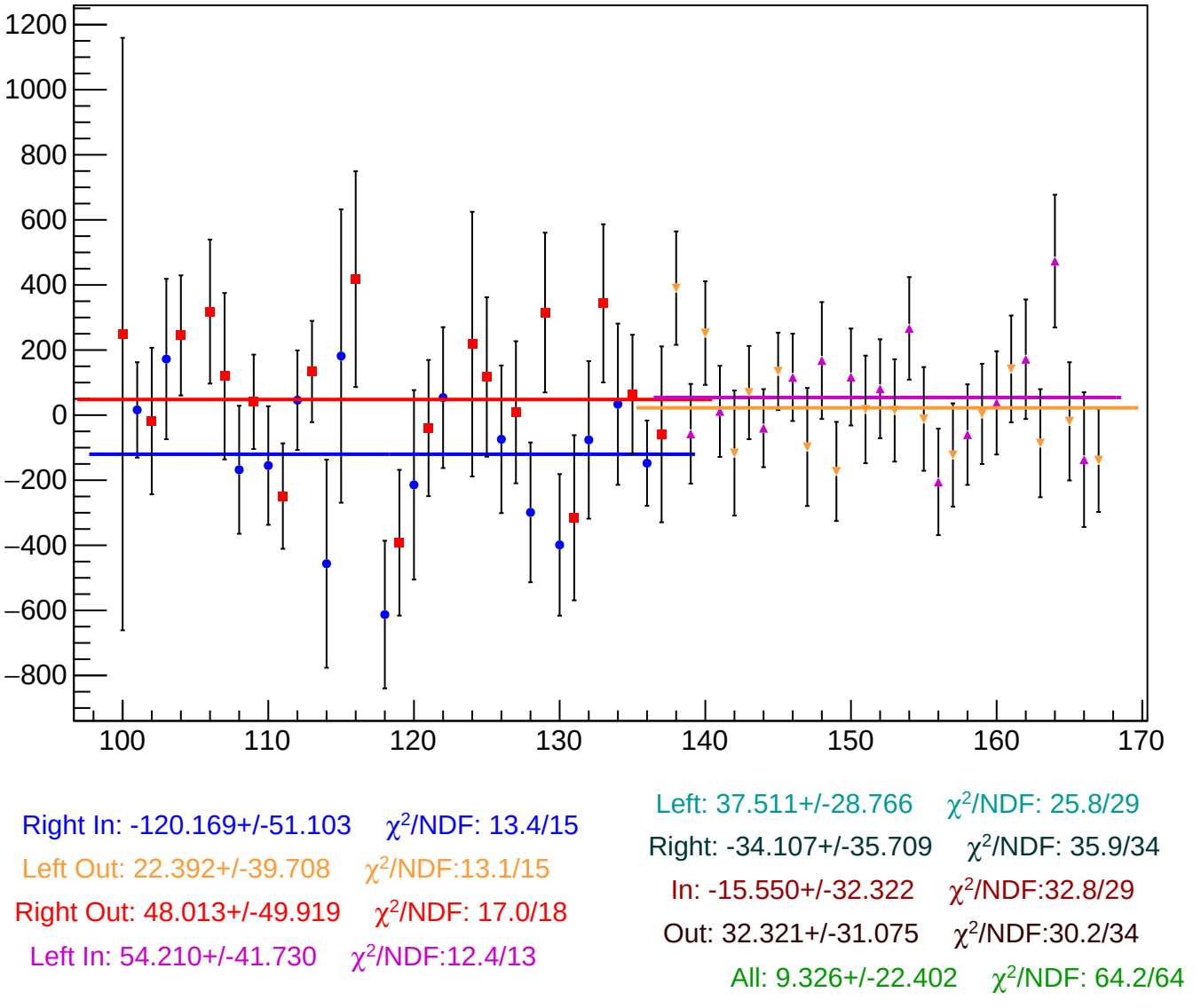
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

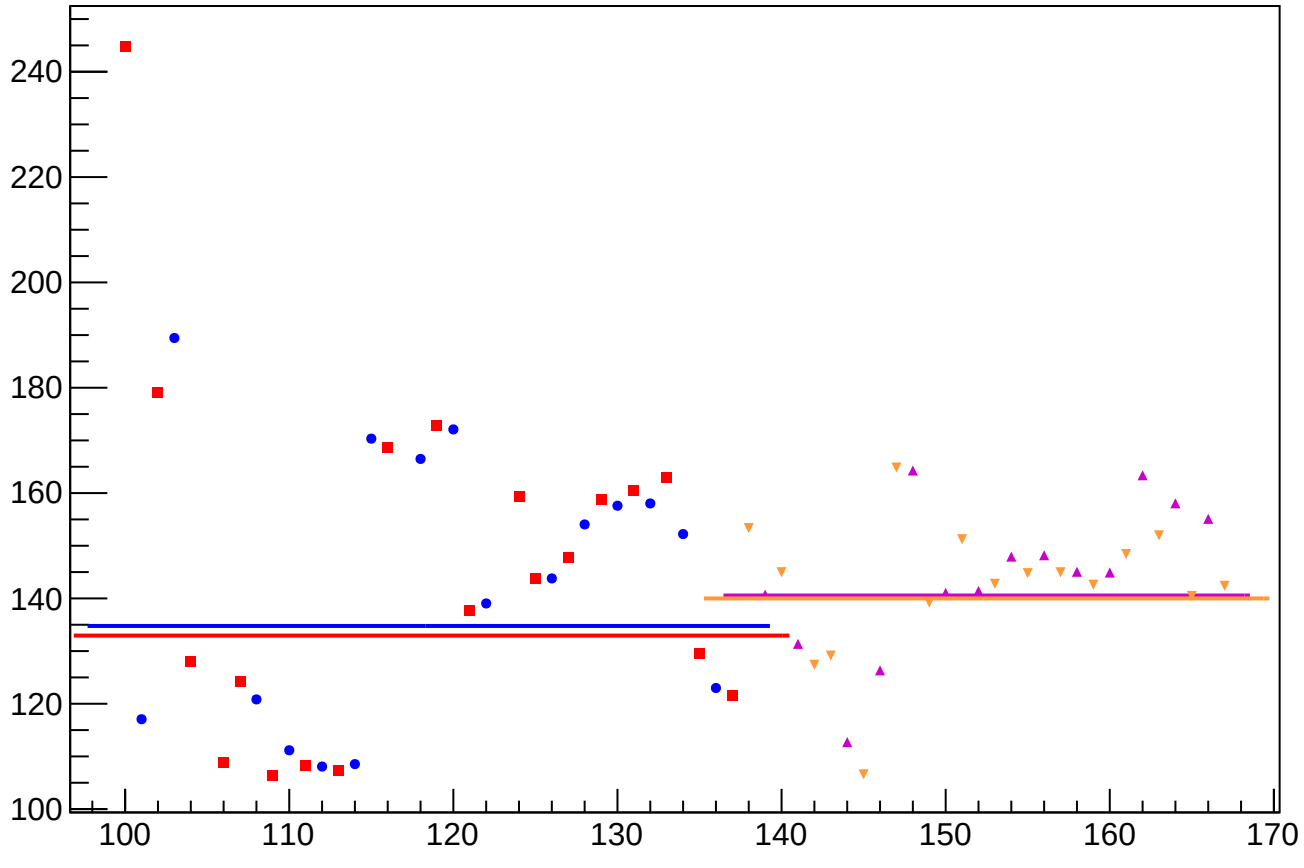
In: 133.147+/-280.706 χ^2/NDF:32.7/29

Out: -1033.825+/-266.036 χ^2/NDF:70.3/34

All: -481.629+/-193.094 χ^2/NDF: 112.1/64


asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1285.668+/-0.355 χ²/NDF: 1170437.4/15
Left Out: 1130.333+/-0.229 χ²/NDF:649576.8/15
Right Out: 1215.237+/-0.331 χ²/NDF: 1386290.4/18
Left In: 1135.087+/-0.240 χ²/NDF:484089.6/13
Left: 1132.598+/-0.165 χ²/NDF: 1133872.5/29
Right: 1248.058+/-0.242 χ²/NDF: 2577799.9/34
In: 1182.280+/-0.198 χ²/NDF:1778372.2/29
Out: 1157.722+/-0.188 χ²/NDF:2080382.8/34
All: 1169.342+/-0.137 χ²/NDF: 3866819.7/64


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 22.392+/-39.708 χ²/NDF:13.1/15
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 54.210+/-41.730 χ²/NDF:12.4/13
Left: 37.511+/-28.766 χ²/NDF: 25.8/29
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -15.550+/-32.322 χ²/NDF:32.8/29
Out: 32.321+/-31.075 χ²/NDF:30.2/34
All: 9.326+/-22.402 χ²/NDF: 64.2/64



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.997+/-0.028 χ^2/NDF:259614.3/15

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.551+/-0.030 χ^2/NDF:241223.2/13

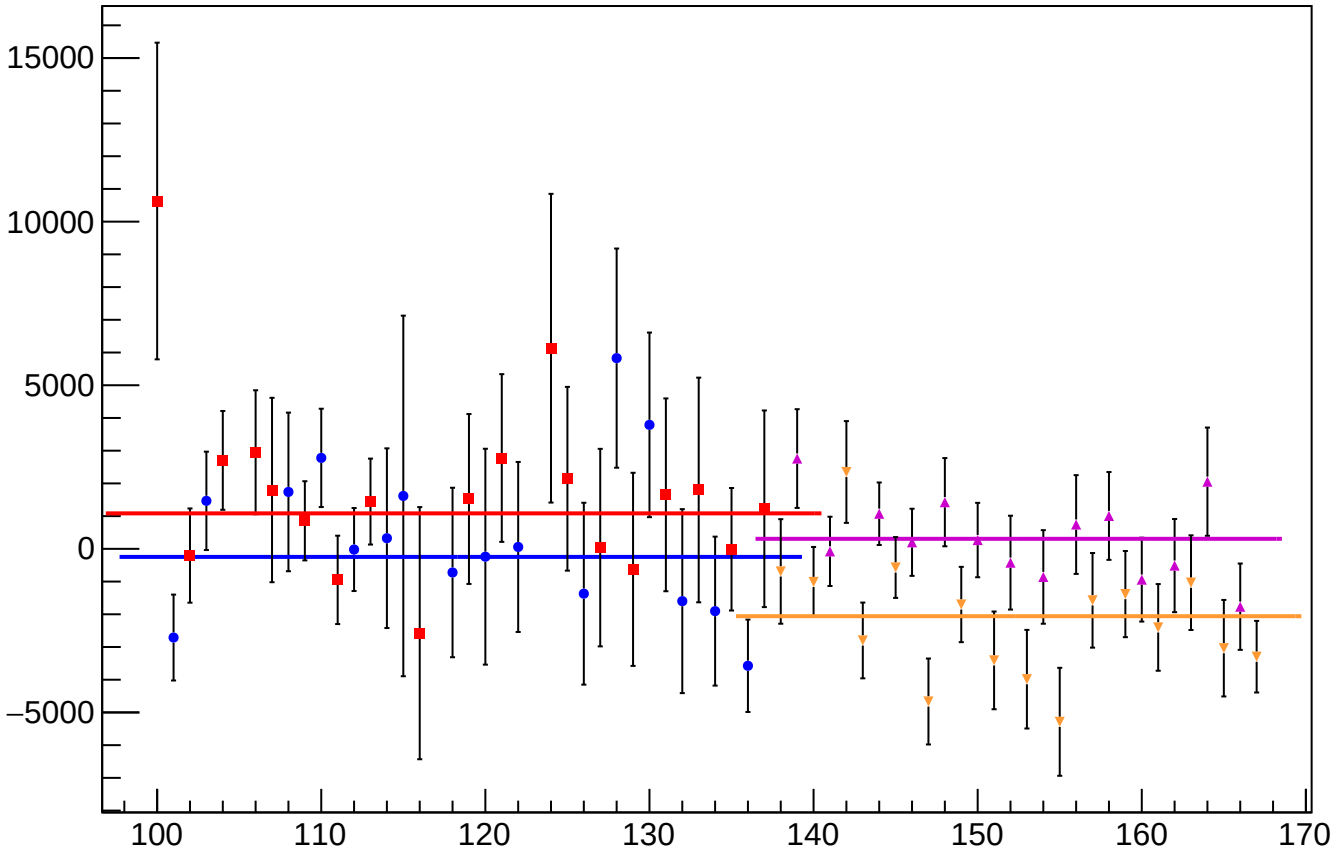
Left: 140.260+/-0.020 χ^2/NDF: 501022.3/29

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.239+/-0.023 χ^2/NDF:673351.2/29

Out: 137.265+/-0.022 χ^2/NDF:782894.9/34

All: 137.732+/-0.016 χ^2/NDF: 1457189.5/64



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -2059.198+/-323.231 χ^2/NDF:25.7/15

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 306.387+/-338.768 χ^2/NDF:10.3/13

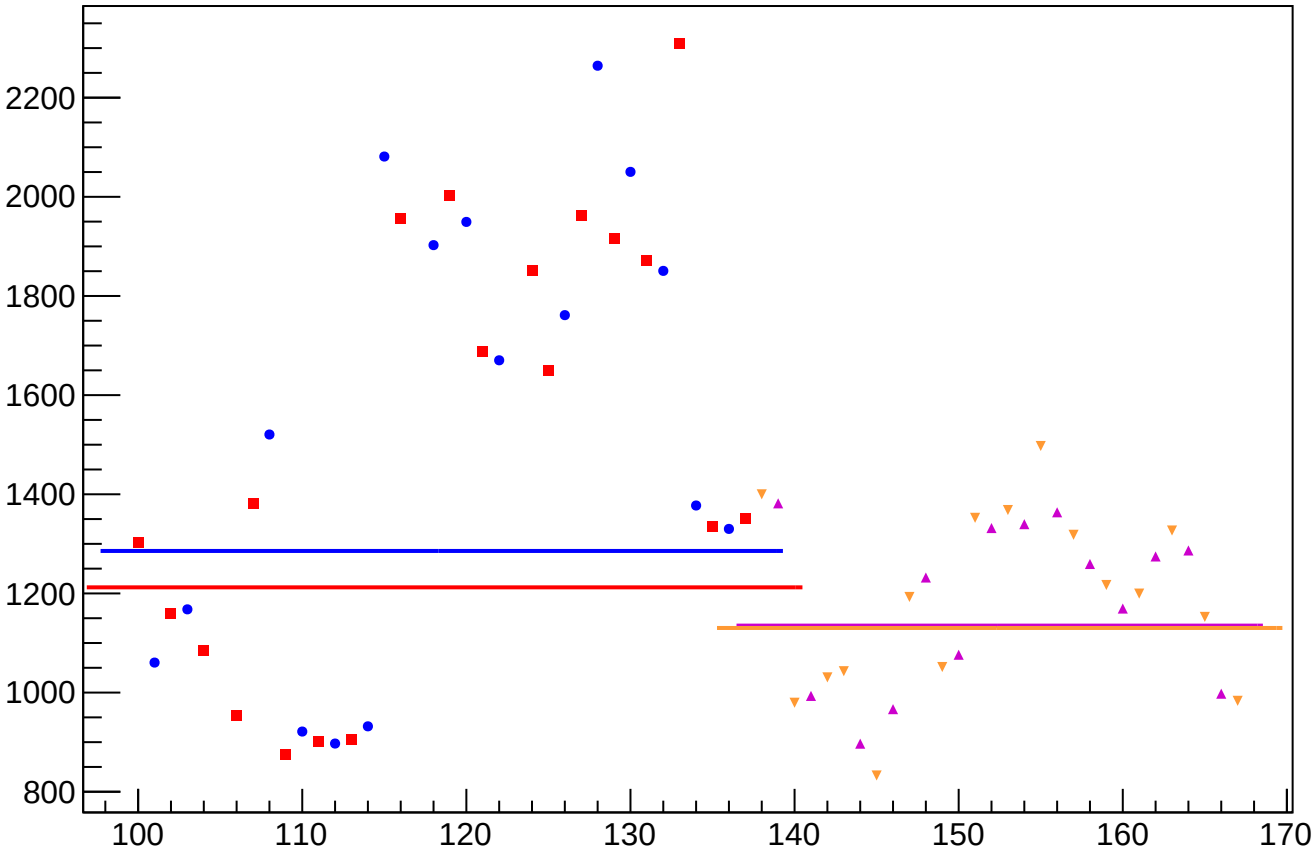
Left: -931.896+/-233.859 χ^2/NDF: 61.5/29

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 133.132+/-280.707 χ^2/NDF:32.7/29

Out: -1047.918+/-266.205 χ^2/NDF:68.9/34

All: -488.689+/-193.159 χ^2/NDF: 110.9/64



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1130.332+/-0.229 χ^2/NDF:649579.2/15

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1135.087+/-0.240 χ^2/NDF:484087.2/13

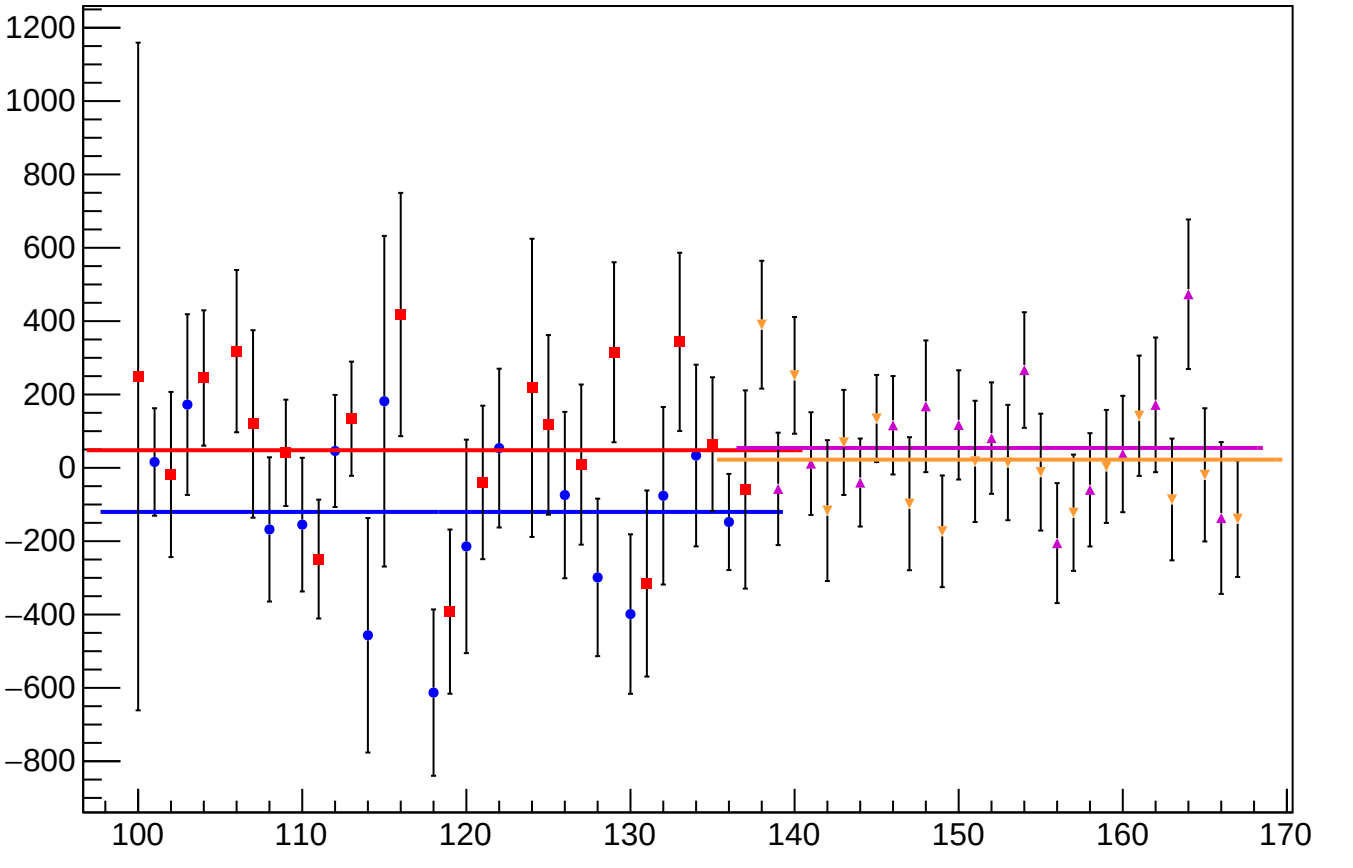
Left: 1132.598+/-0.165 χ^2/NDF: 1133872.7/29

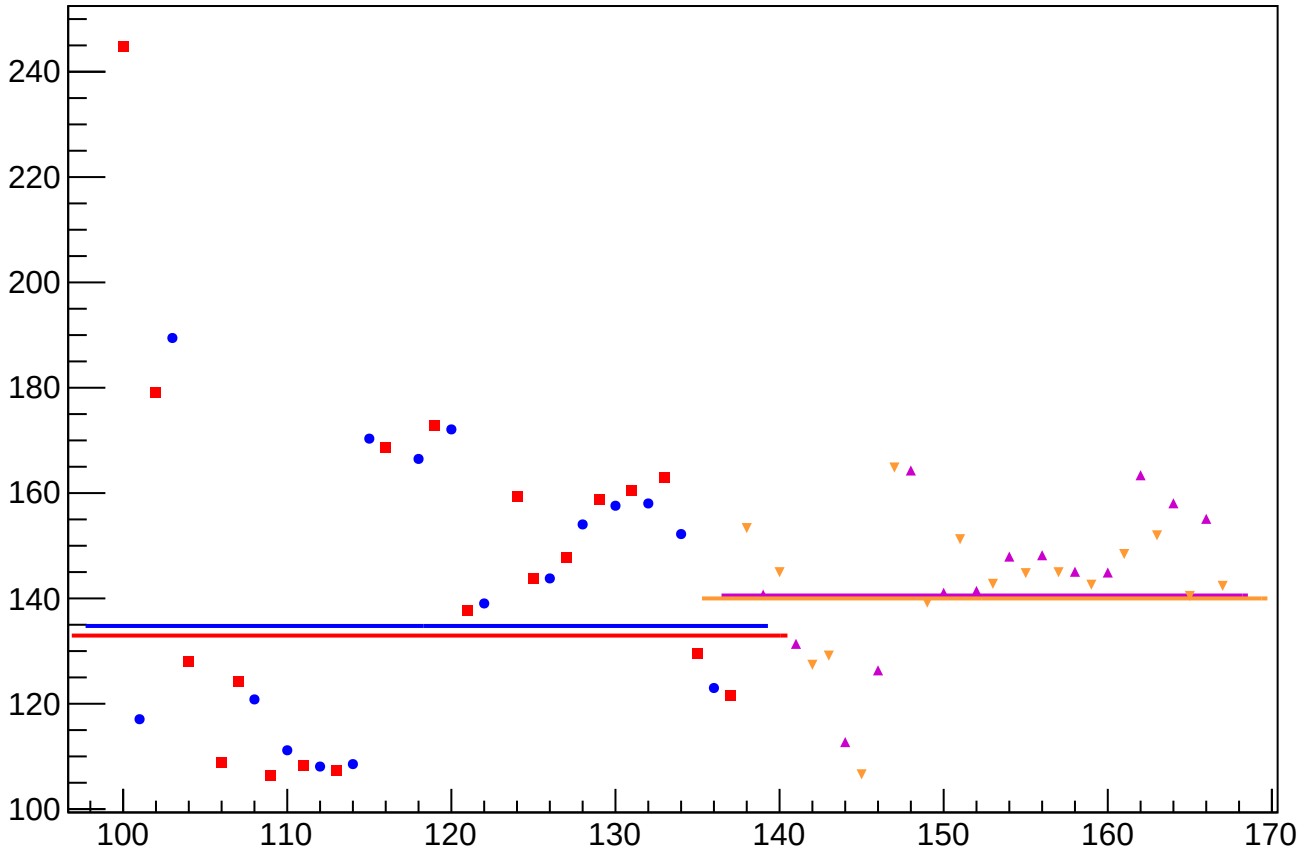
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1182.284+/-0.198 χ^2/NDF:1778365.1/29

Out: 1156.696+/-0.188 χ^2/NDF:2091568.8/34

All: 1168.812+/-0.137 χ^2/NDF: 3878683.9/64


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 22.392+/-39.708 χ²/NDF:13.1/15
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 54.210+/-41.730 χ²/NDF:12.4/13
Left: 37.511+/-28.766 χ²/NDF: 25.8/29
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -15.550+/-32.322 χ²/NDF:32.8/29
Out: 32.321+/-31.075 χ²/NDF:30.2/34
All: 9.326+/-22.402 χ²/NDF: 64.2/64



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.997+/-0.028 χ^2/NDF:259614.3/15

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.551+/-0.030 χ^2/NDF:241223.2/13

Left: 140.260+/-0.020 χ^2/NDF: 501022.3/29

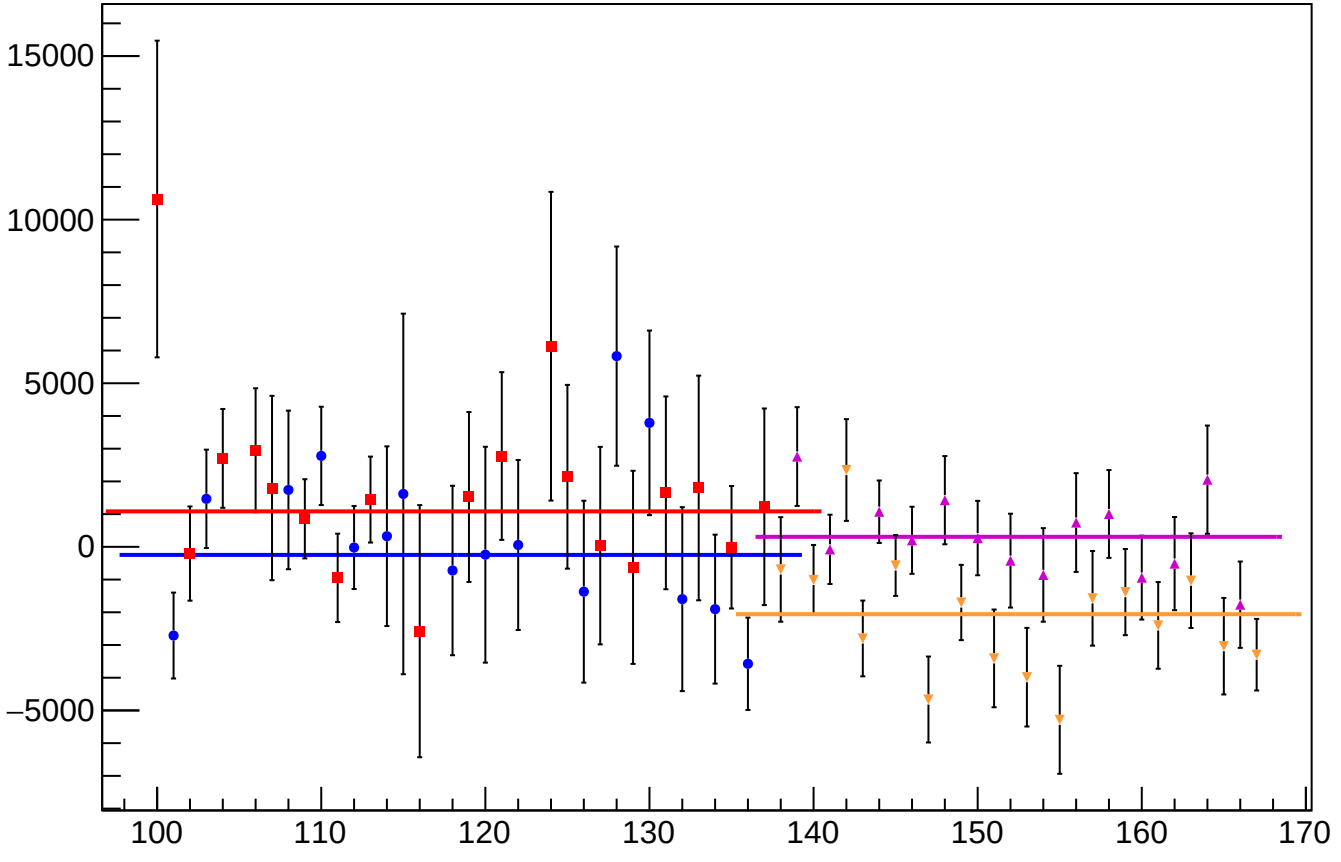
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.239+/-0.023 χ^2/NDF:673351.2/29

Out: 137.265+/-0.022 χ^2/NDF:782894.9/34

All: 137.732+/-0.016 χ^2/NDF: 1457189.5/64

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -2059.198+/-323.231 χ^2/NDF:25.7/15

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 306.387+/-338.768 χ^2/NDF:10.3/13

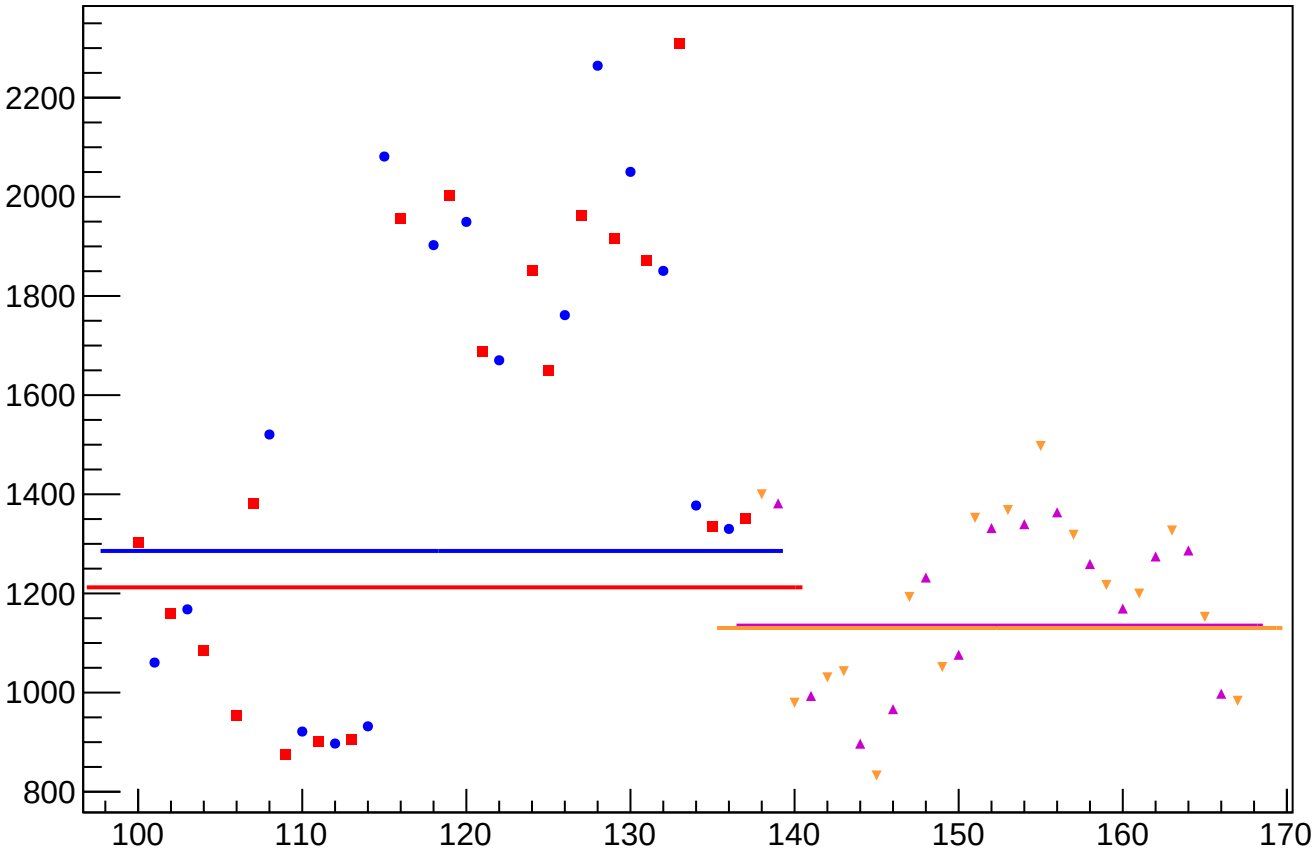
Left: -931.896+/-233.859 χ^2/NDF: 61.5/29

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 133.132+/-280.707 χ^2/NDF:32.7/29

Out: -1047.918+/-266.205 χ^2/NDF:68.9/34

All: -488.689+/-193.159 χ^2/NDF: 110.9/64



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1130.332+/-0.229 χ^2/NDF:649579.2/15

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1135.087+/-0.240 χ^2/NDF:484087.2/13

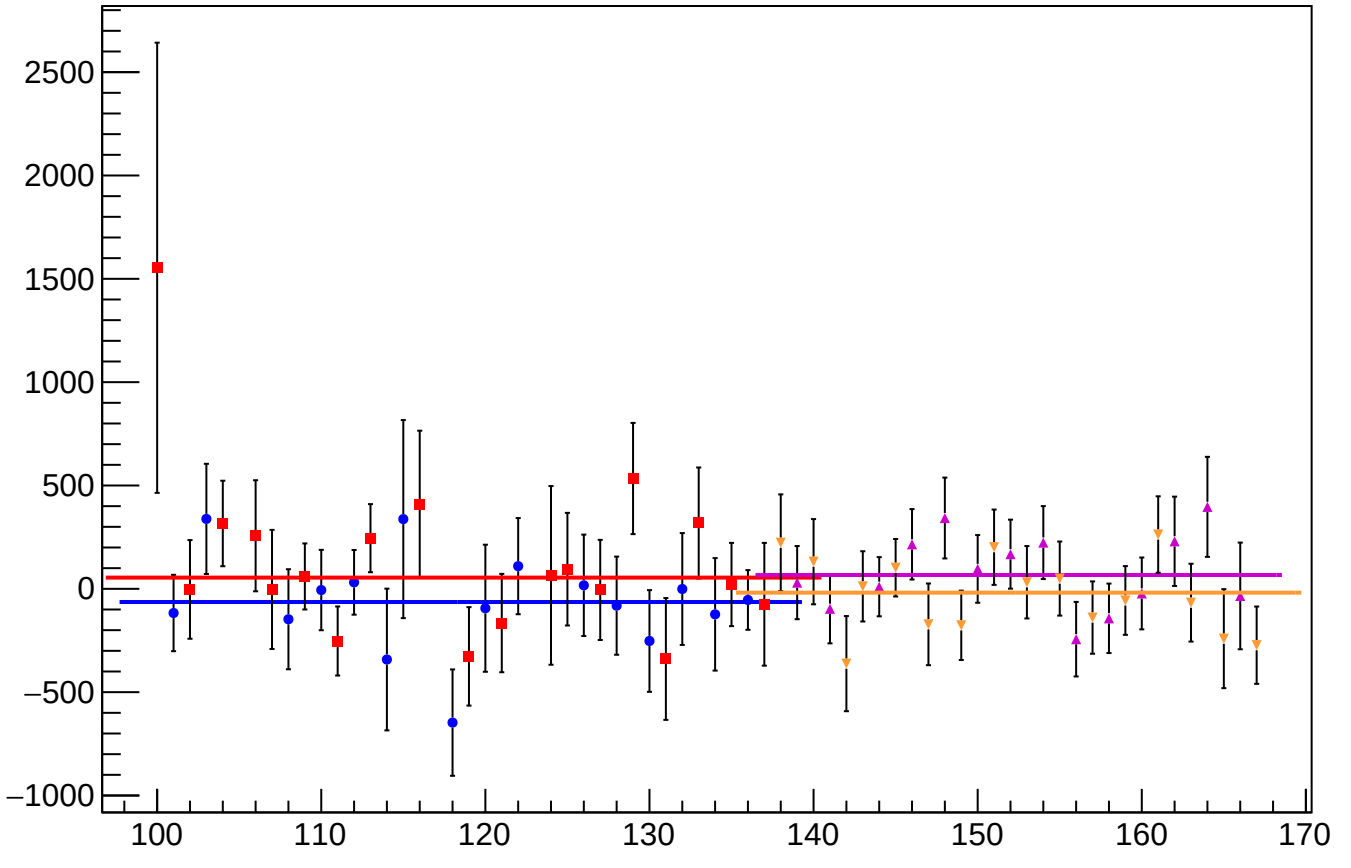
Left: 1132.598+/-0.165 χ^2/NDF: 1133872.7/29

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1182.284+/-0.198 χ^2/NDF:1778365.1/29

Out: 1156.696+/-0.188 χ^2/NDF:2091568.8/34

All: 1168.812+/-0.137 χ^2/NDF: 3878683.9/64



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: -18.506+/-45.922 χ^2/NDF:13.4/15

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 66.897+/-47.950 χ^2/NDF:12.4/13

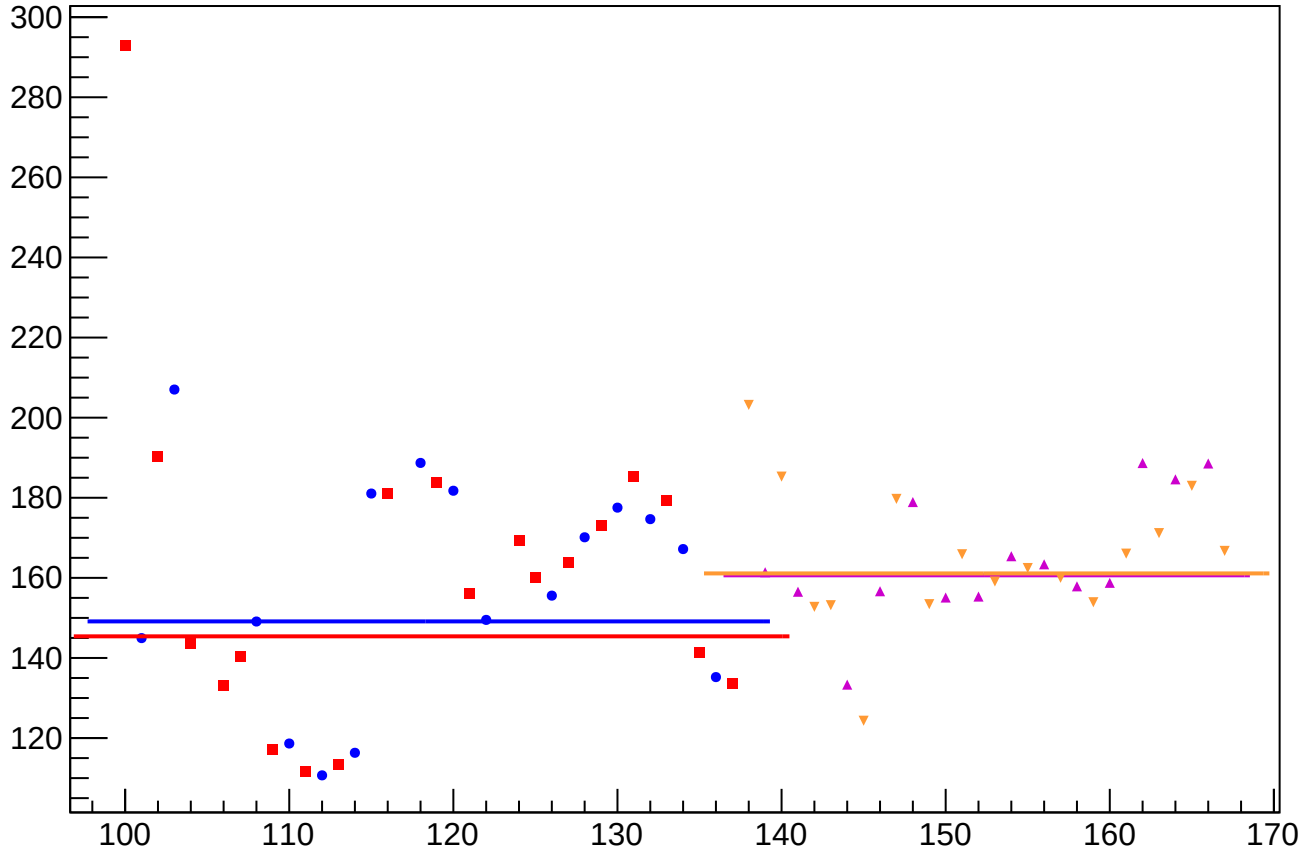
Left: 22.352+/-33.165 χ^2/NDF: 27.5/29

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 12.446+/-36.622 χ^2/NDF:26.4/29

Out: 11.568+/-35.182 χ^2/NDF:33.9/34

All: 11.990+/-25.371 χ^2/NDF: 60.3/64



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 161.111+/-0.032 χ^2/NDF:292177.4/15

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 160.636+/-0.034 χ^2/NDF:176092.2/13

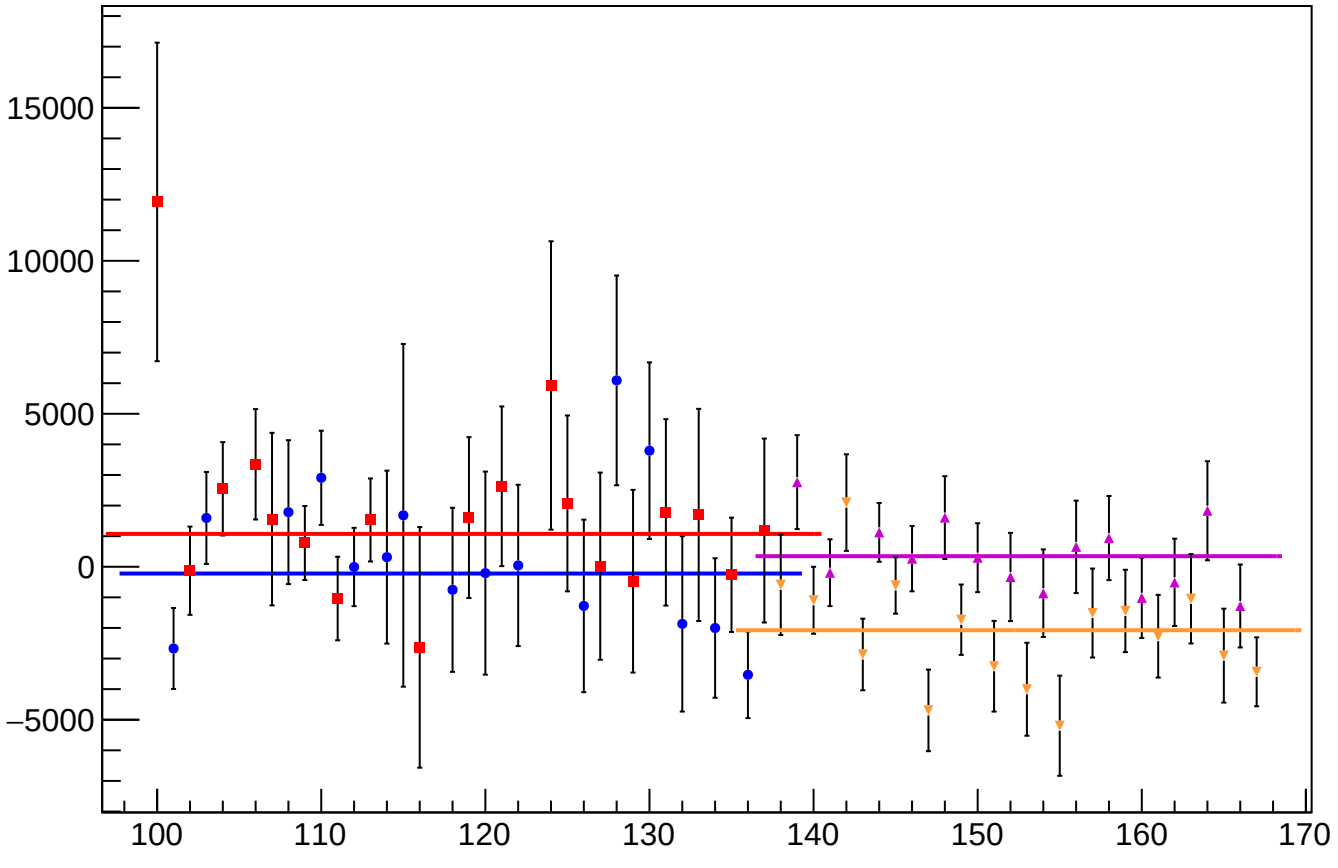
Left: 160.884+/-0.023 χ^2/NDF: 468371.7/29

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 155.842+/-0.026 χ^2/NDF:675082.5/29

Out: 154.621+/-0.025 χ^2/NDF:914697.4/34

All: 155.207+/-0.018 χ^2/NDF: 1590936.0/64



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -2074.669+/-327.110 χ^2/NDF:24.0/15

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 345.390+/-343.174 χ^2/NDF:9.1/13

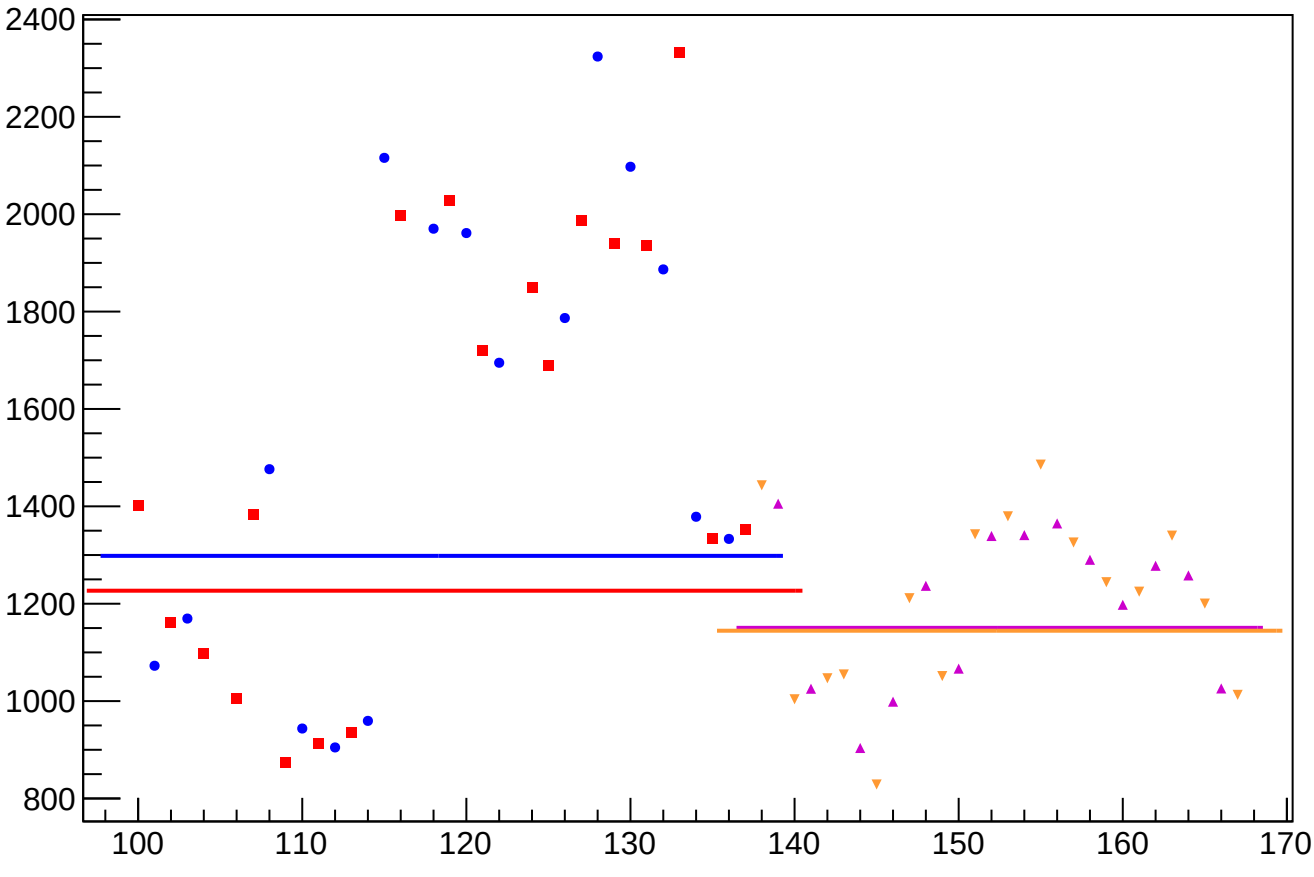
Left: -922.605+/-236.777 χ^2/NDF: 59.2/29

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 166.968+/-284.051 χ^2/NDF:31.9/29

Out: -1055.306+/-269.007 χ^2/NDF:67.7/34

All: -477.393+/-195.319 χ^2/NDF: 109.3/64



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1144.556+/-0.231 χ^2/NDF:656270.1/15

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1150.454+/-0.243 χ^2/NDF:447740.2/13

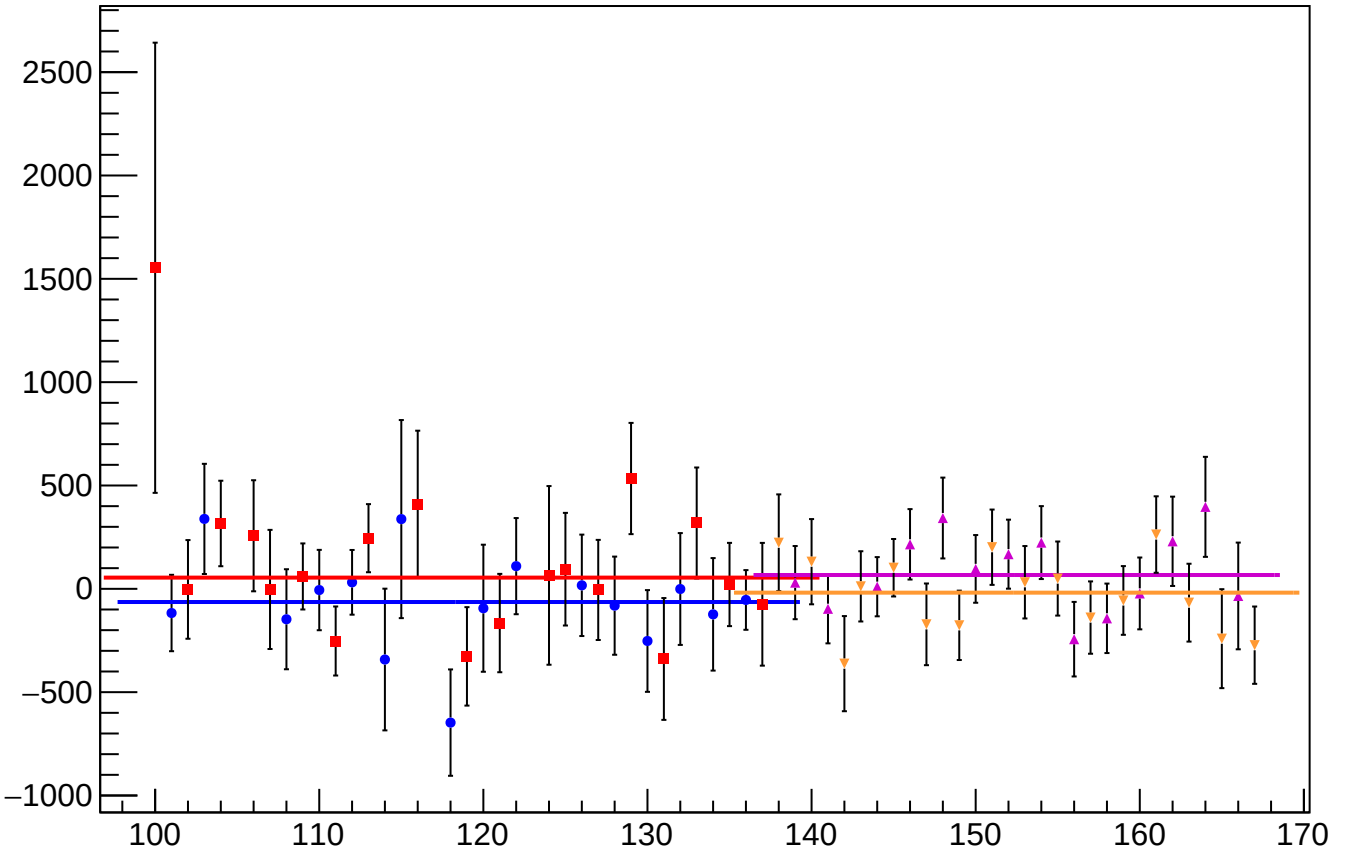
Left: 1147.364+/-0.167 χ^2/NDF: 1104319.8/29

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1197.006+/-0.201 χ^2/NDF:1746739.4/29

Out: 1171.155+/-0.190 χ^2/NDF:2101646.1/34

All: 1183.378+/-0.138 χ^2/NDF: 3857118.1/64



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -18.503+/-45.922 χ^2/NDF:13.4/15

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 66.897+/-47.950 χ^2/NDF:12.4/13

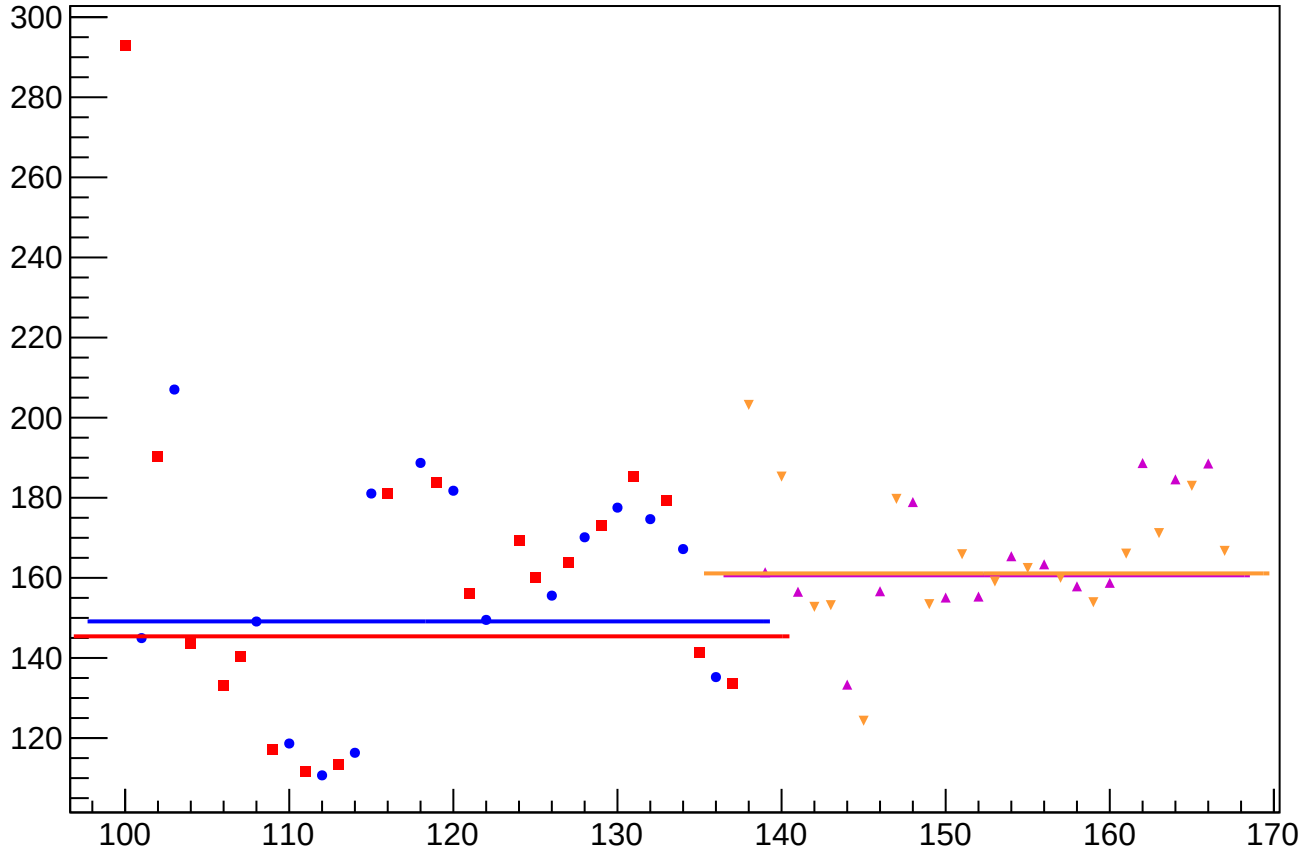
Left: 22.353+/-33.166 χ^2/NDF: 27.5/29

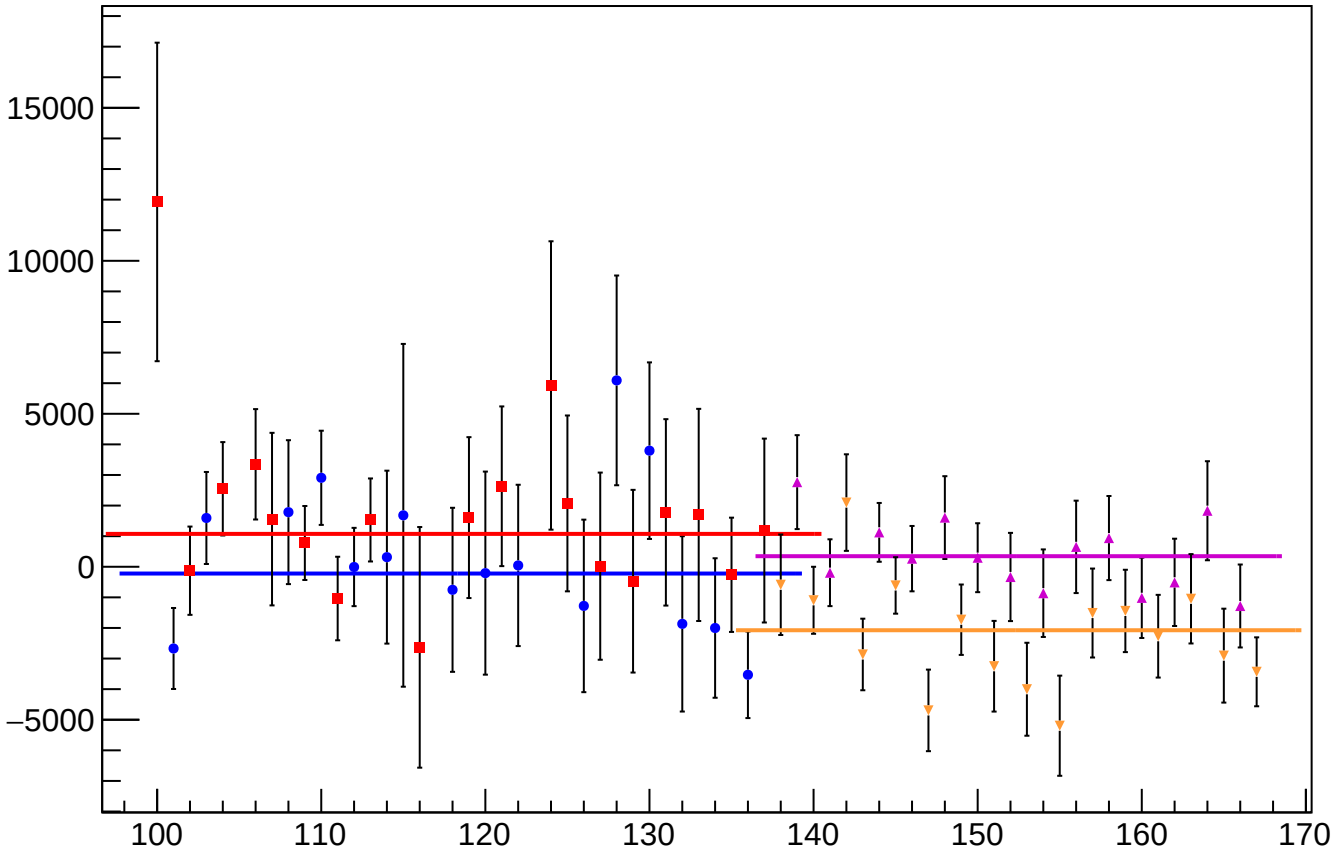
Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 12.447+/-36.622 χ^2/NDF:26.4/29

Out: 11.570+/-35.182 χ^2/NDF:33.9/34

All: 11.991+/-25.371 χ^2/NDF: 60.3/64


eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected
300
280
260
240
220
200
180
160
140
120
100
110
120
130
140
150
160
170
Right In: 149.130+/-0.040 χ²/NDF: 451005.1/15
Left Out: 161.111+/-0.032 χ²/NDF:292171.6/15
Right Out: 145.399+/-0.039 χ²/NDF: 525822.2/18
Left In: 160.637+/-0.034 χ²/NDF:176090.1/13
Left: 160.884+/-0.023 χ²/NDF: 468363.8/29
Right: 147.198+/-0.028 χ²/NDF: 981307.0/34
In: 155.842+/-0.026 χ²/NDF:675084.8/29
Out: 154.621+/-0.025 χ²/NDF:914698.8/34
All: 155.207+/-0.018 χ²/NDF: 1590939.6/64



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -2074.664+/-327.109 χ^2/NDF:24.0/15

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 345.389+/-343.174 χ^2/NDF:9.1/13

Left: -922.604+/-236.777 χ^2/NDF: 59.2/29

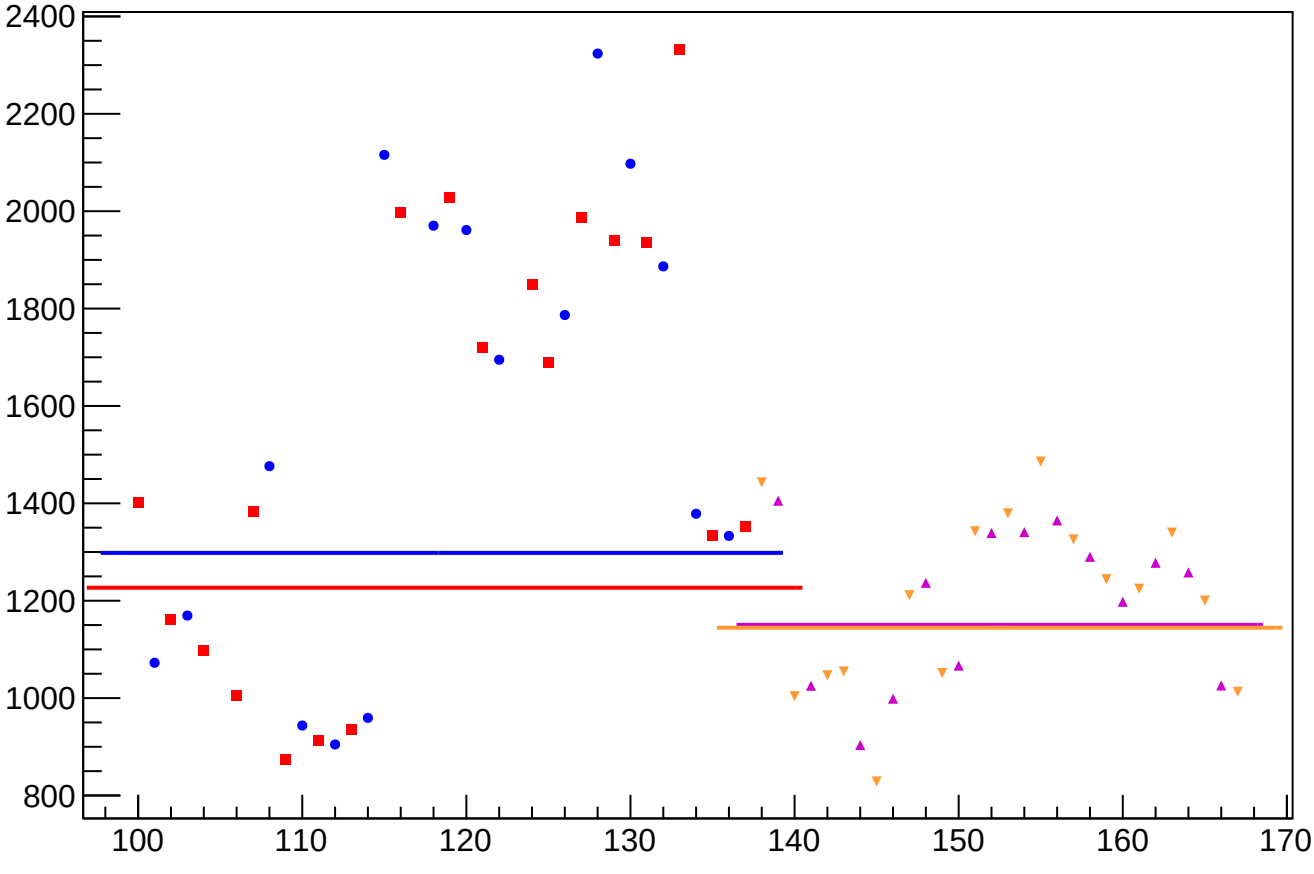
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 166.968+/-284.051 χ^2/NDF:31.9/29

Out: -1055.304+/-269.007 χ^2/NDF:67.7/34

All: -477.392+/-195.319 χ^2/NDF: 109.3/64

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1144.554+/-0.231 χ^2/NDF:656274.3/15

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1150.453+/-0.243 χ^2/NDF:447739.4/13

Left: 1147.362+/-0.167 χ^2/NDF: 1104323.3/29

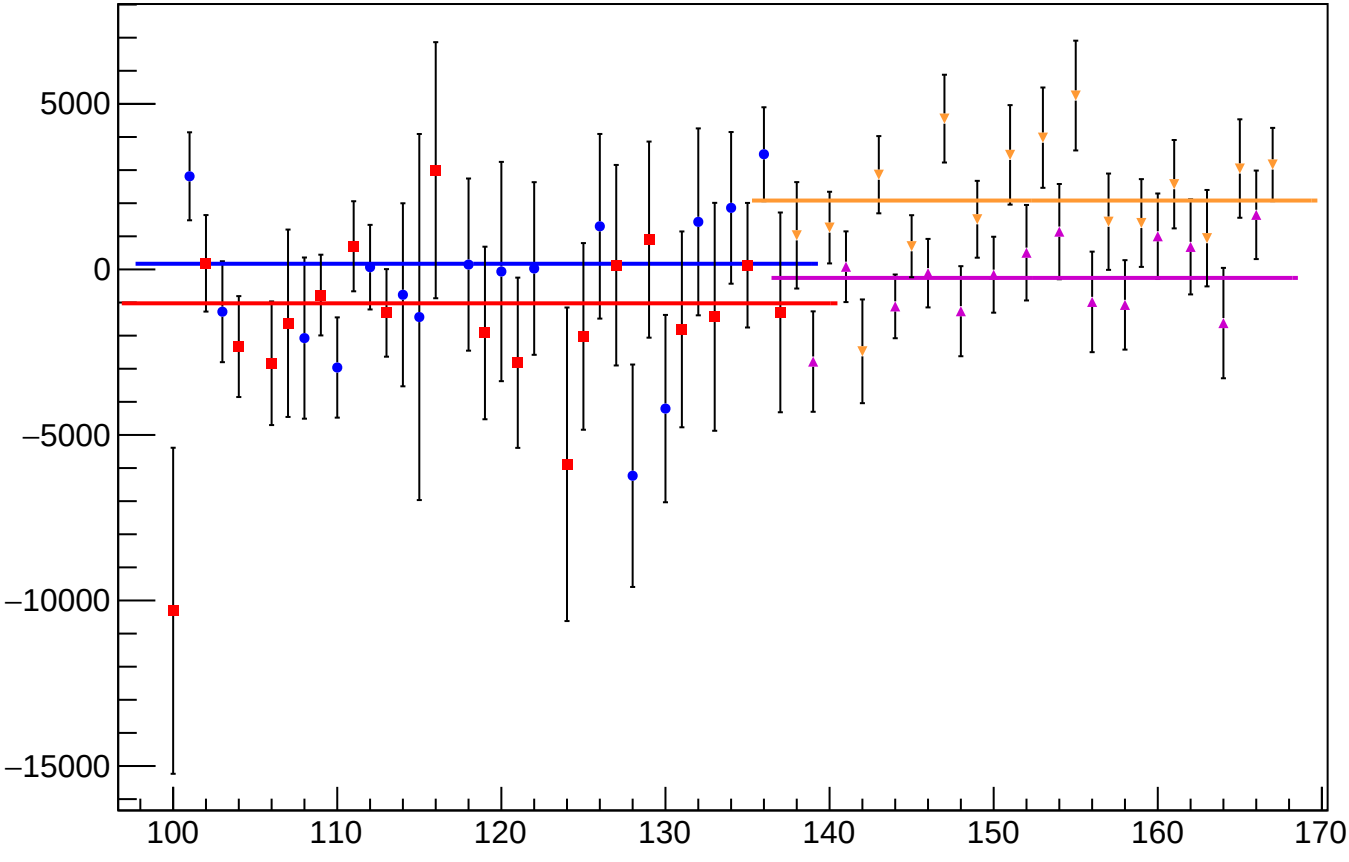
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1197.005+/-0.201 χ^2/NDF:1746742.8/29

Out: 1171.154+/-0.190 χ^2/NDF:2101653.7/34

All: 1183.376+/-0.138 χ^2/NDF: 3857129.3/64

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 2080.746+/-325.852 χ^2/NDF:24.4/15

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -256.511+/-341.515 χ^2/NDF:10.1/13

Left: 966.940+/-235.755 χ^2/NDF: 59.1/29

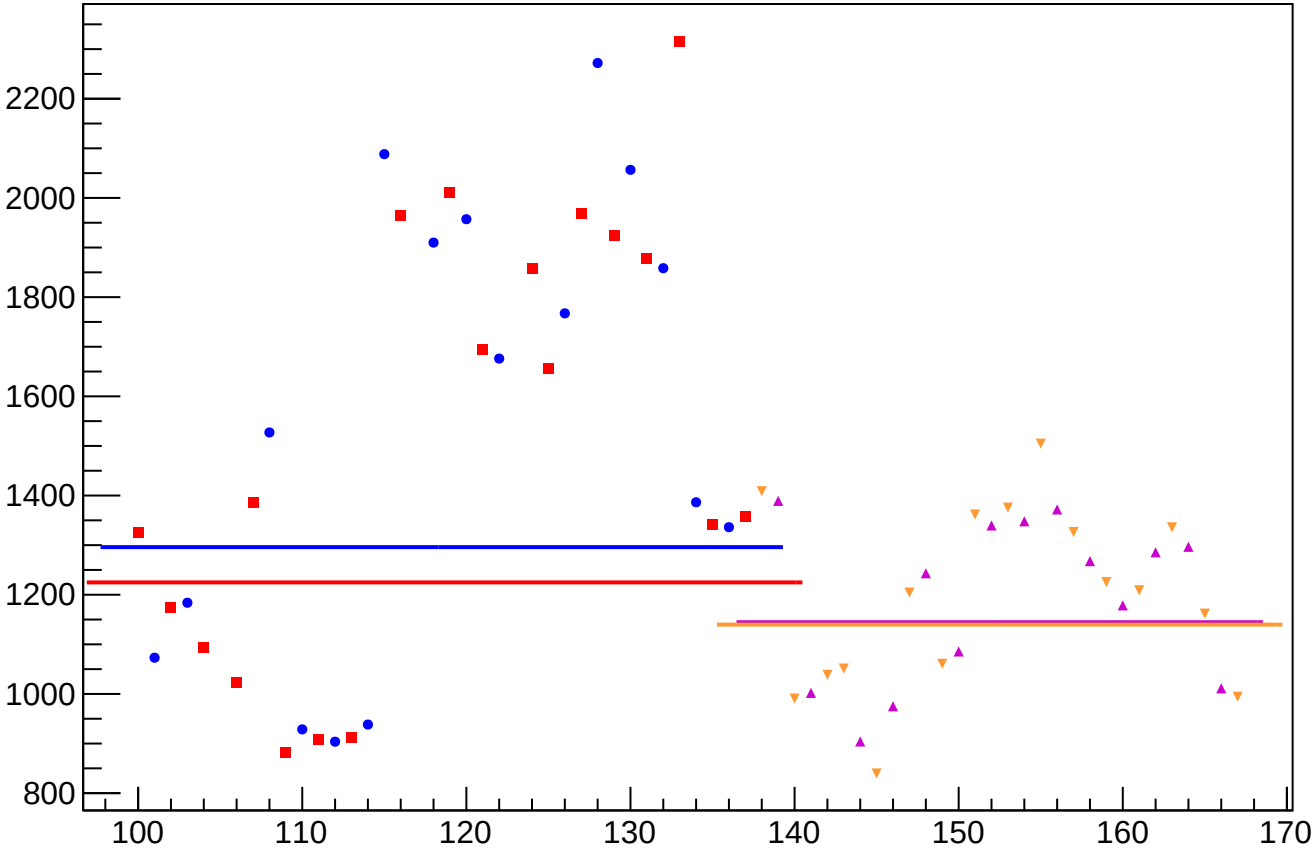
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -122.383+/-282.922 χ^2/NDF:33.2/29

Out: 1078.747+/-268.158 χ^2/NDF:65.3/34

All: 510.337+/-194.627 χ^2/NDF: 108.0/64

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1139.781+/-0.230 χ^2/NDF:639811.7/15

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1144.515+/-0.241 χ^2/NDF:477010.3/13

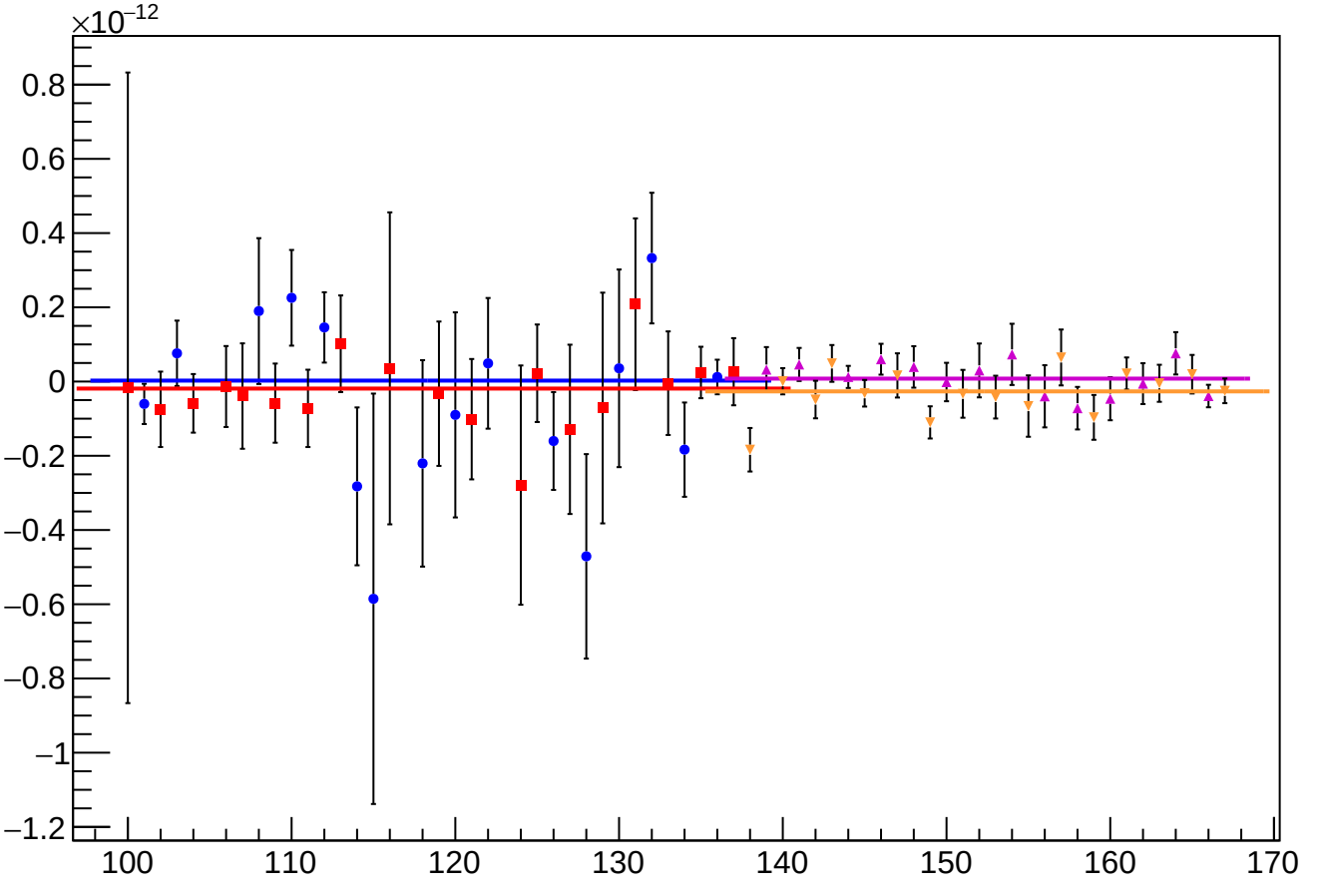
Left: 1142.036+/-0.167 χ^2/NDF: 1117023.2/29

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1192.032+/-0.200 χ^2/NDF:1754618.7/29

Out: 1167.245+/-0.190 χ^2/NDF:2055116.1/34

All: 1178.975+/-0.138 χ^2/NDF: 3817821.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/13

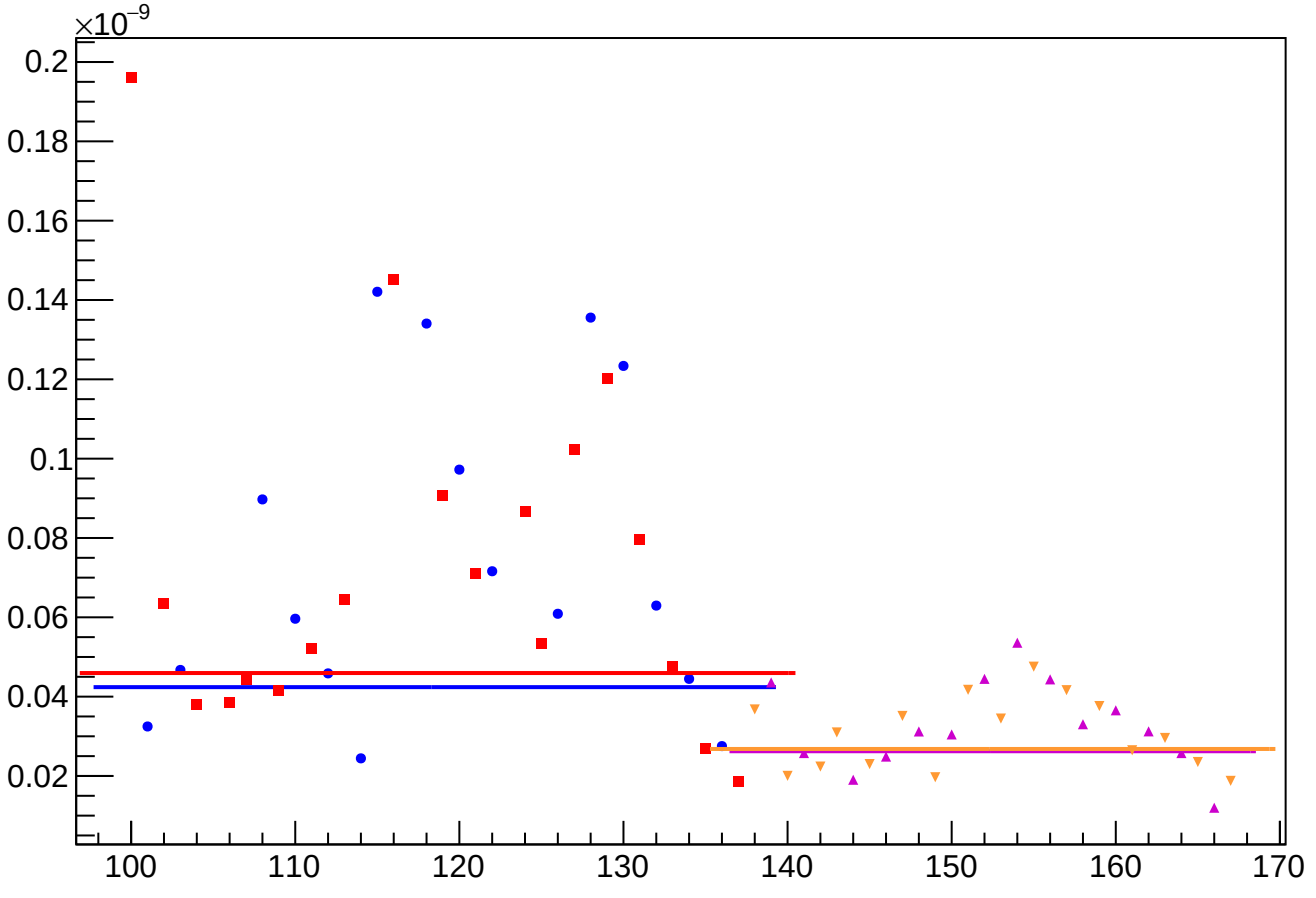
Left: -0.000+/-0.000 χ^2/NDF: 34.2/29

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:32.8/29

Out: -0.000+/-0.000 χ^2/NDF:24.7/34

All: -0.000+/-0.000 χ^2/NDF: 61.5/64



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:817852.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1301722.1/13

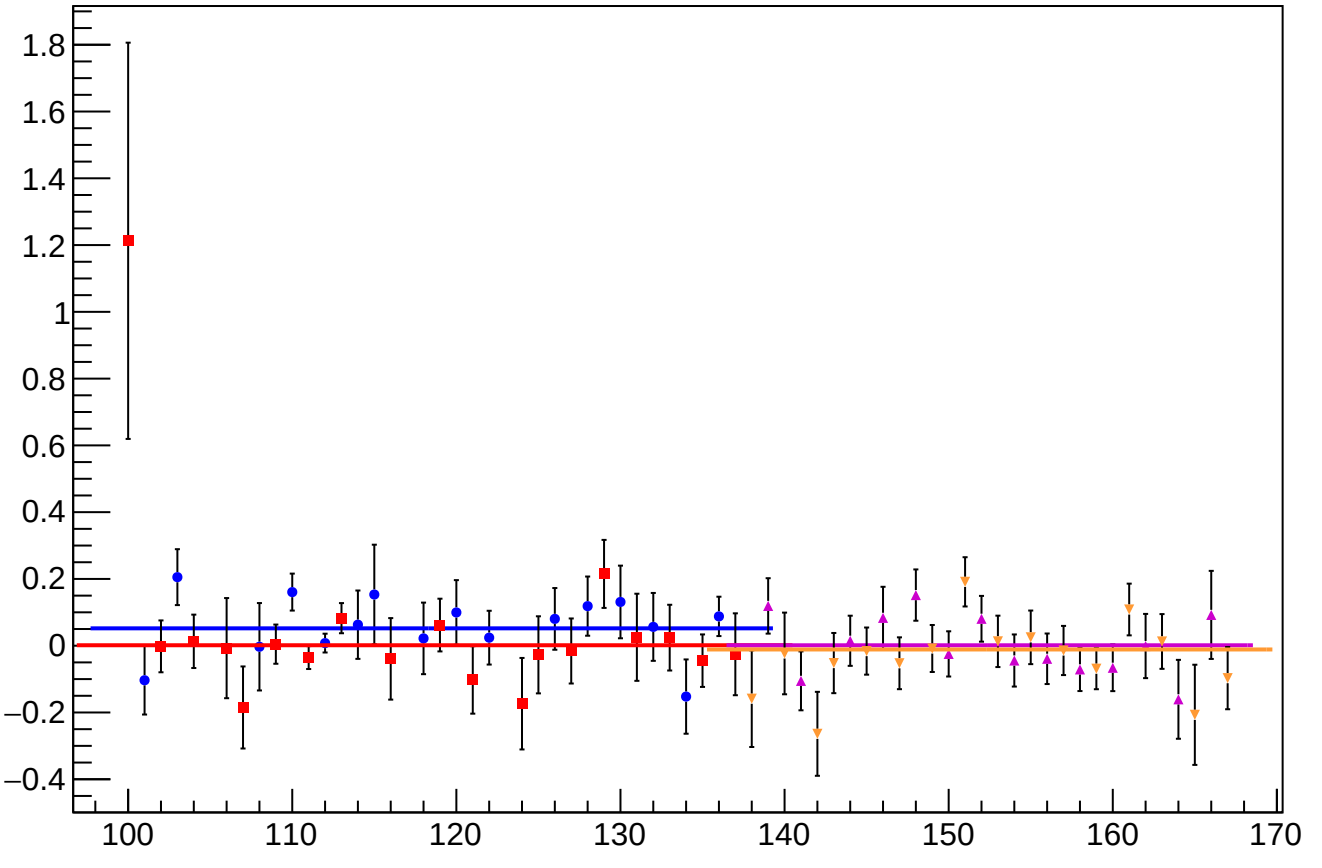
Left: 0.000+/-0.000 χ^2/NDF: 2121682.1/29

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3232069.8/29

Out: 0.000+/-0.000 χ^2/NDF:2684008.5/34

All: 0.000+/-0.000 χ^2/NDF: 5917234.9/64



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.001+/-0.021 χ^2/NDF:14.8/13

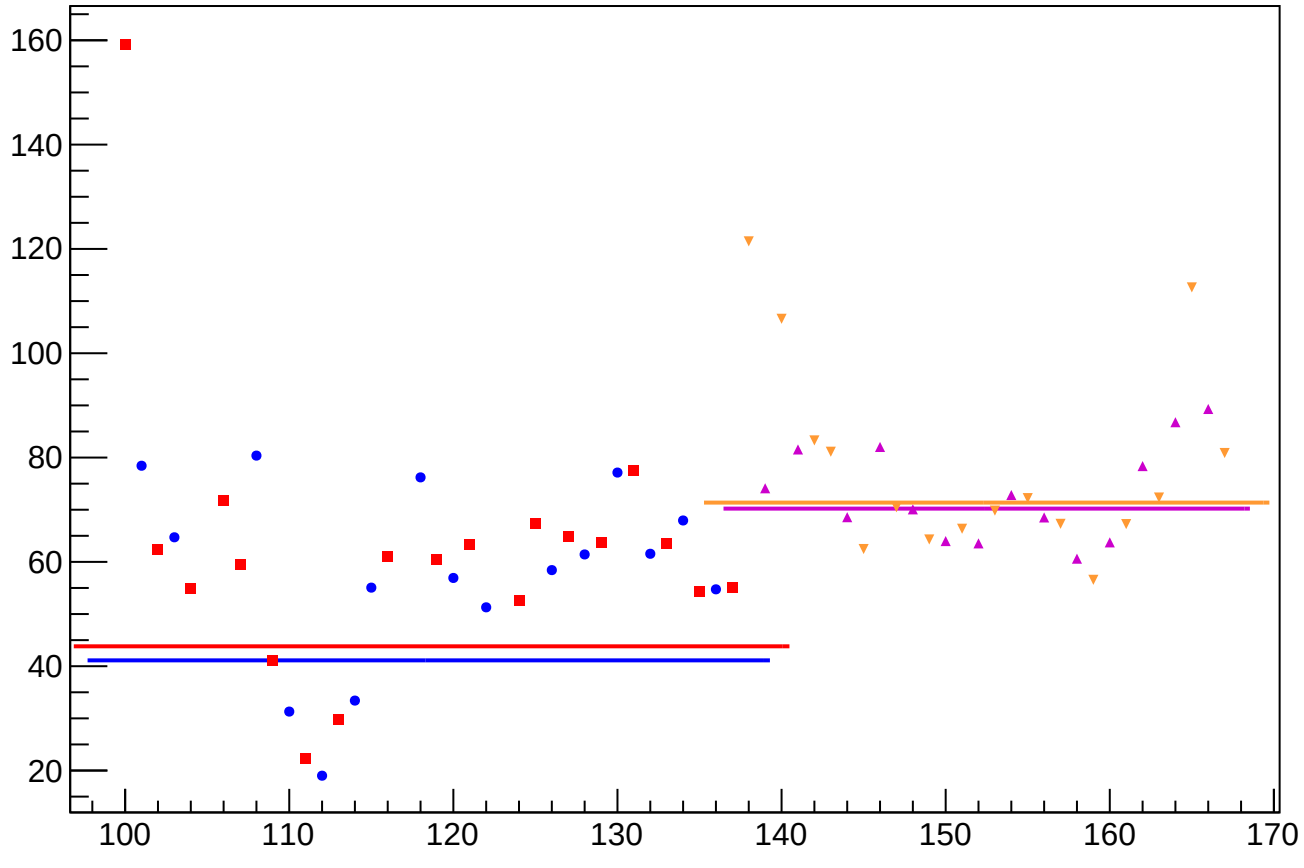
Left: -0.005+/-0.015 χ^2/NDF: 34.3/29

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:36.1/29

Out: -0.004+/-0.014 χ^2/NDF:38.8/34

All: 0.014+/-0.010 χ^2/NDF: 78.2/64



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.368+/-0.015 χ^2/NDF:809842.1/15

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.213+/-0.015 χ^2/NDF:266275.2/13

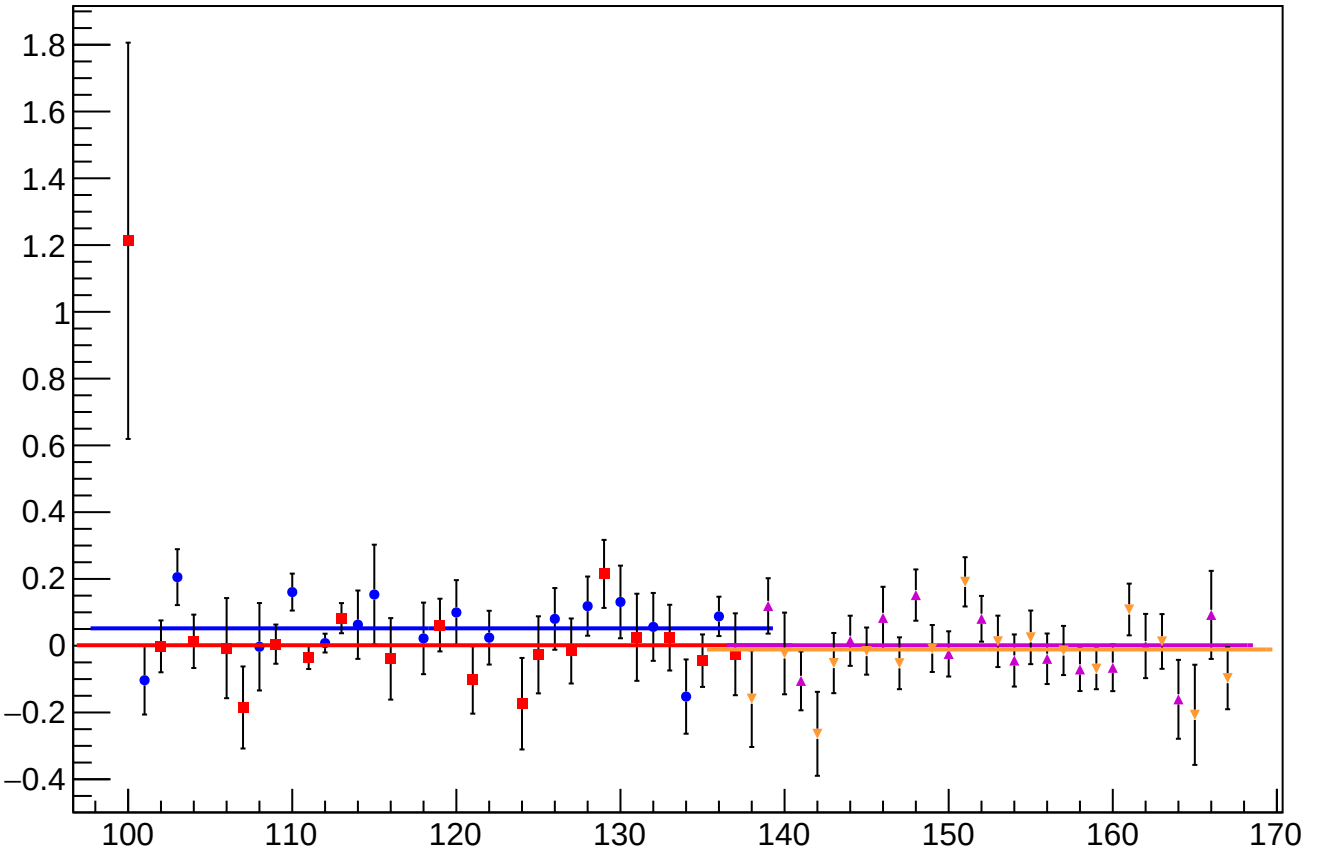
Left: 70.806+/-0.011 χ^2/NDF: 1079105.3/29

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 52.999+/-0.010 χ^2/NDF:5379918.6/29

Out: 55.530+/-0.010 χ^2/NDF:4867346.0/34

All: 54.272+/-0.007 χ^2/NDF: 10281753.4/64



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.001+/-0.021 χ^2/NDF:14.8/13

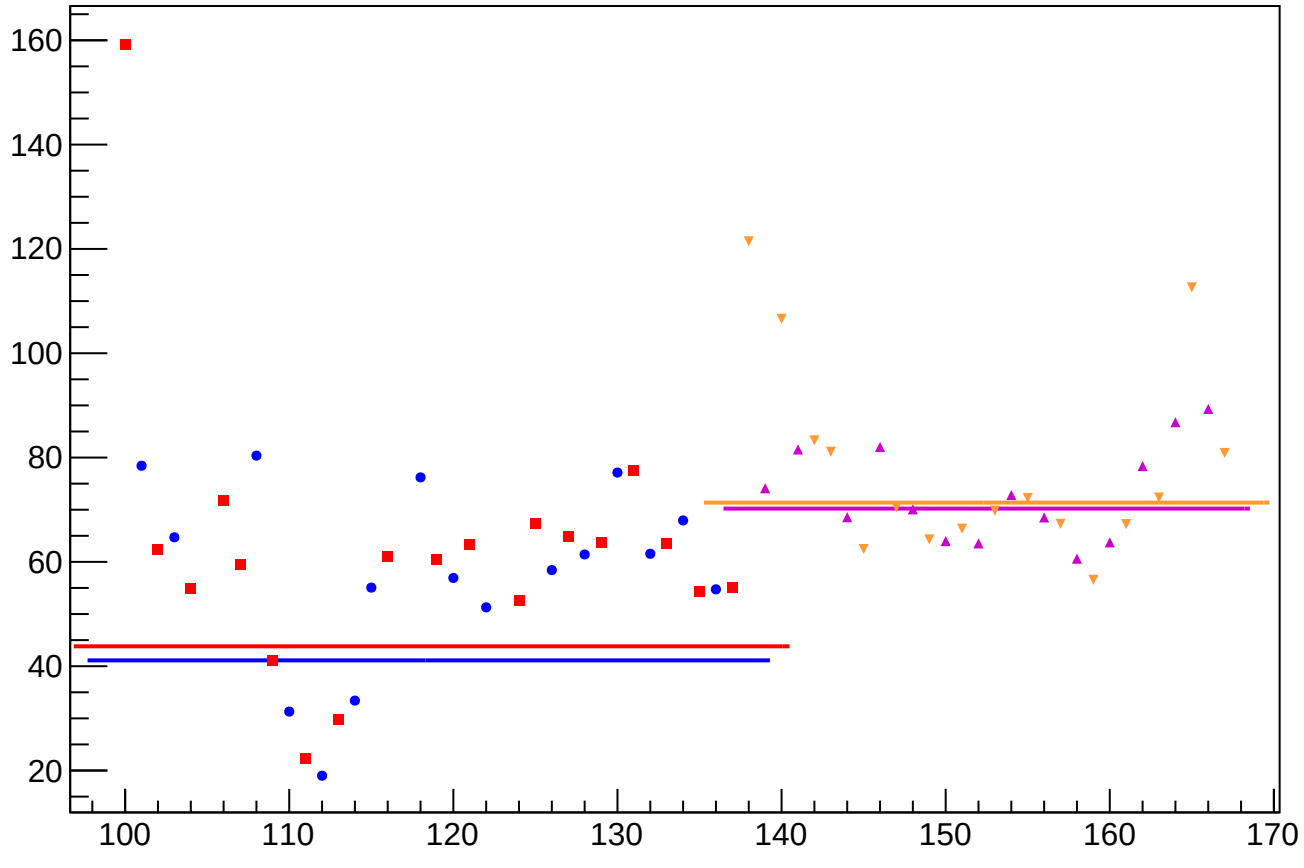
Left: -0.005+/-0.015 χ^2/NDF: 34.3/29

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:36.1/29

Out: -0.004+/-0.014 χ^2/NDF:38.8/34

All: 0.014+/-0.010 χ^2/NDF: 78.2/64



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.368+/-0.015 χ^2/NDF:809842.1/15

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.213+/-0.015 χ^2/NDF:266275.2/13

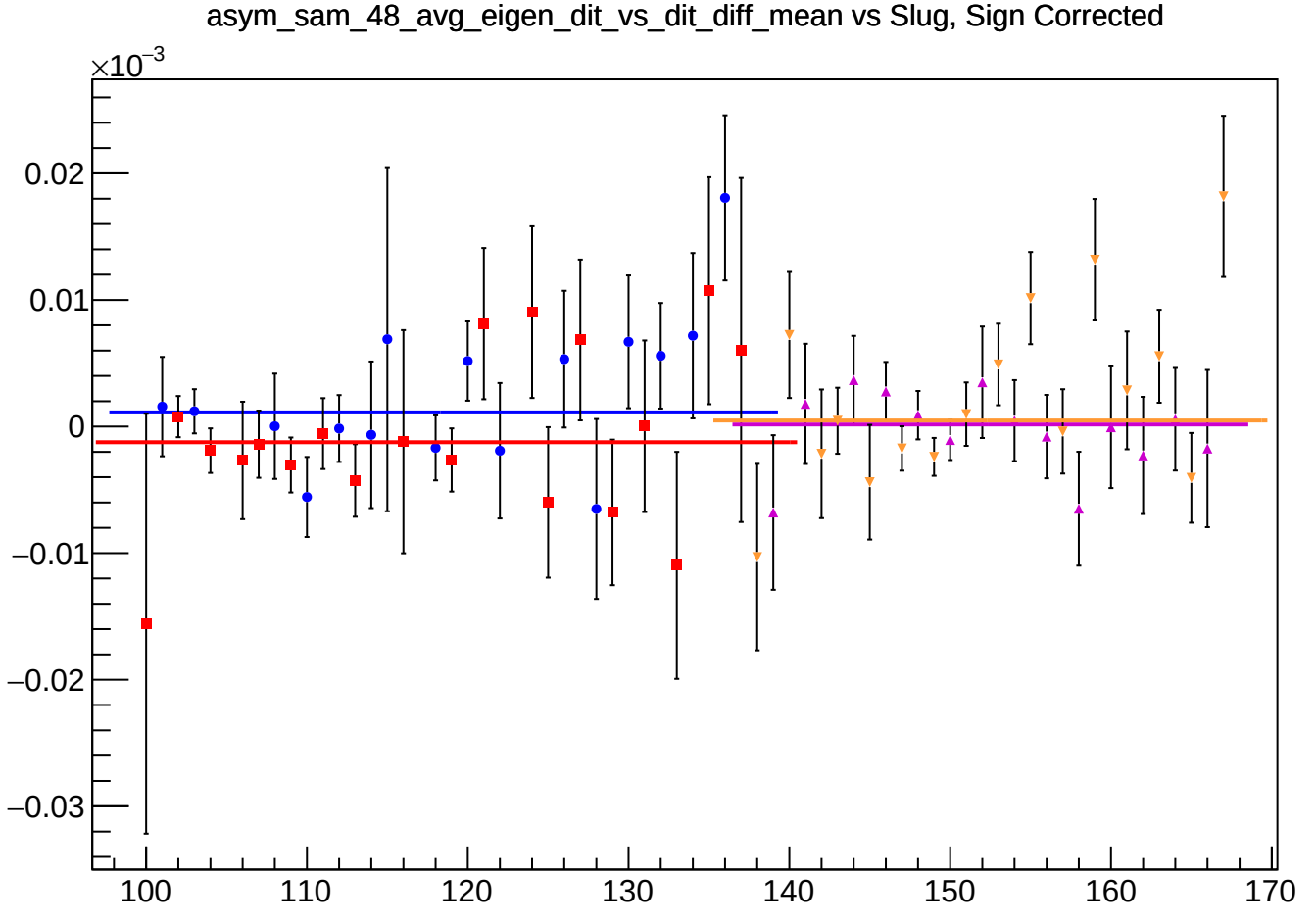
Left: 70.806+/-0.011 χ^2/NDF: 1079105.3/29

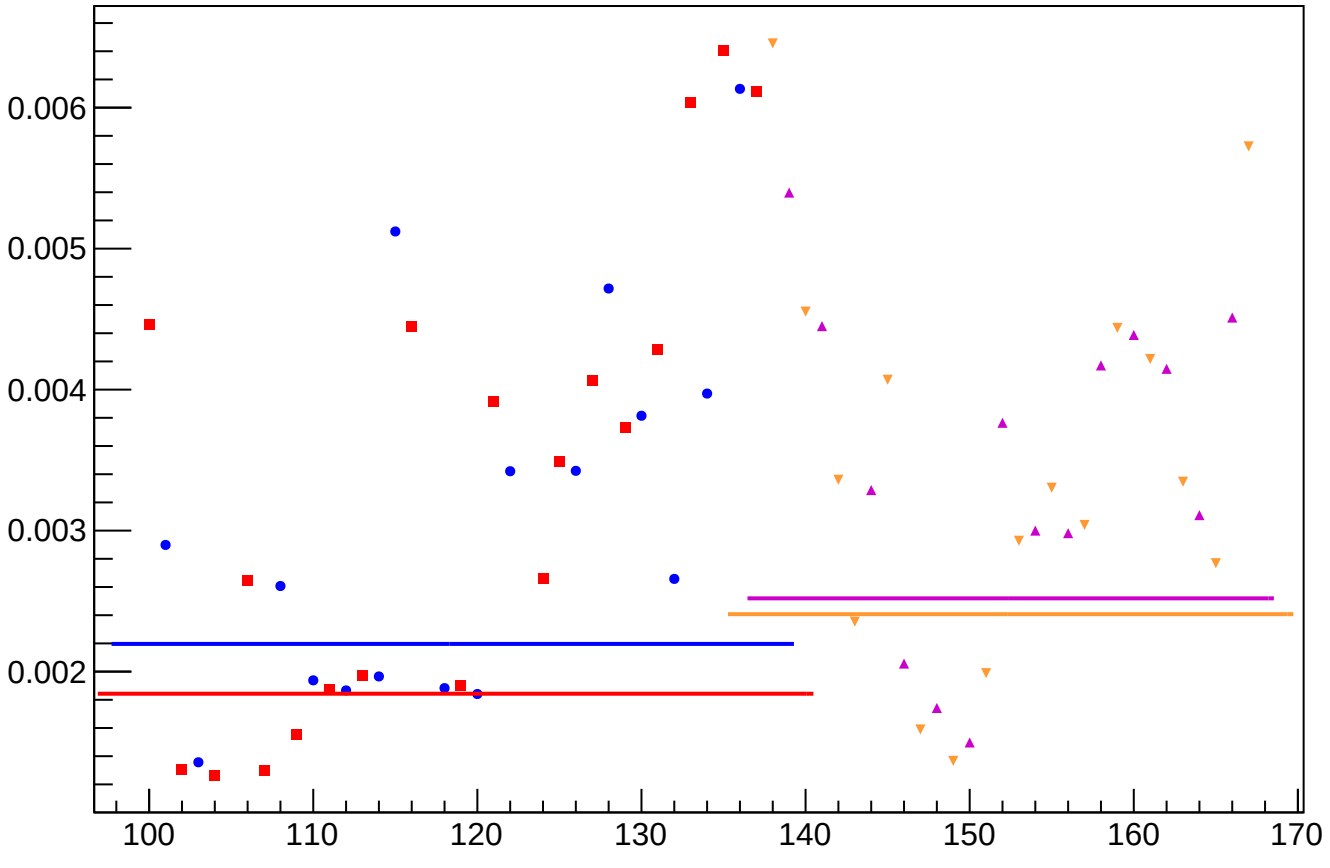
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 52.999+/-0.010 χ^2/NDF:5379918.6/29

Out: 55.530+/-0.010 χ^2/NDF:4867346.0/34

All: 54.272+/-0.007 χ^2/NDF: 10281753.4/64


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:38.3/15
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.7/13
Left: 0.000+/-0.000 χ²/NDF: 46.0/29
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:28.2/29
Out: -0.000+/-0.000 χ²/NDF:56.8/34
All: 0.000+/-0.000 χ²/NDF: 86.4/64



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4377823.4/15

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:3427449.6/13

Left: 0.002+/-0.000 χ^2/NDF: 7825461.3/29

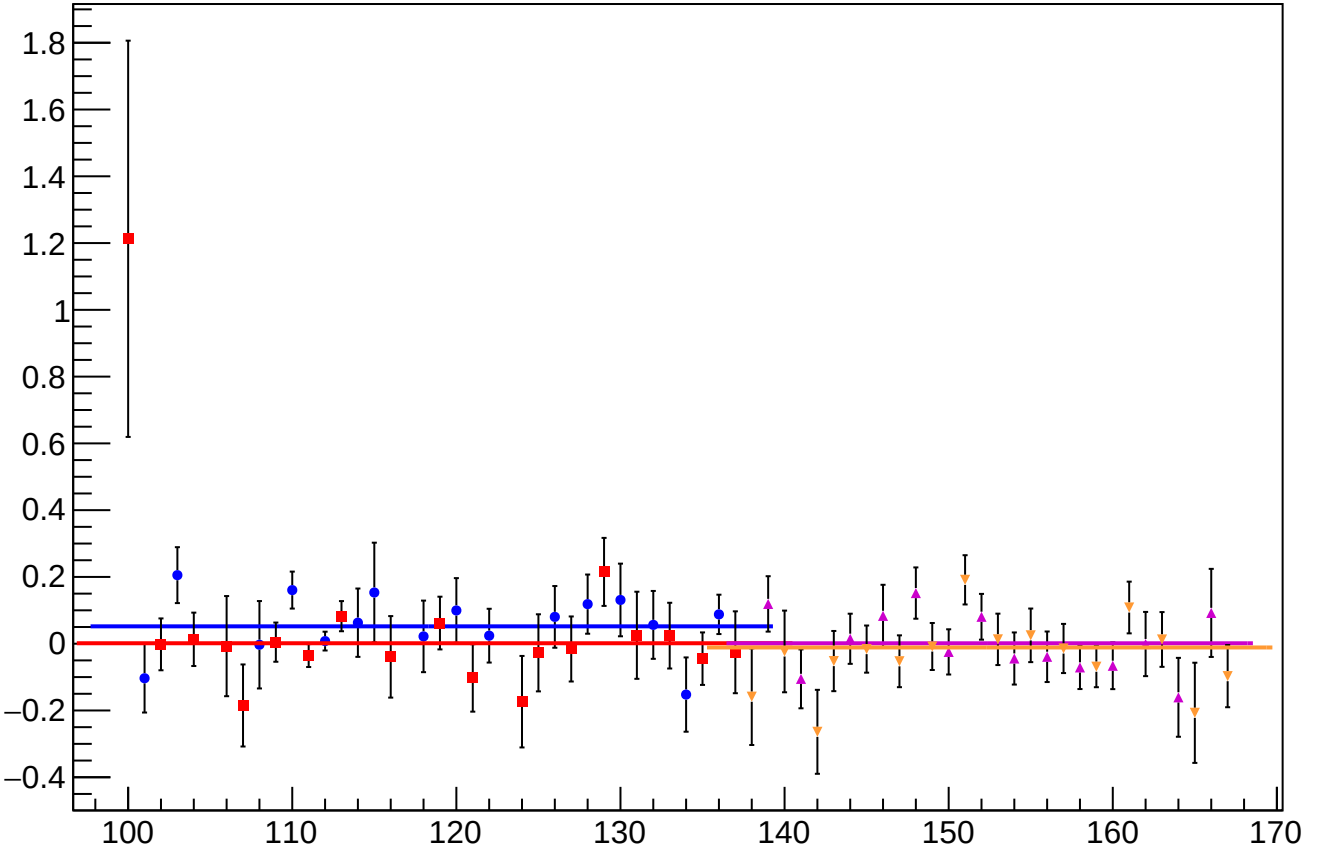
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:5859460.9/29

Out: 0.002+/-0.000 χ^2/NDF:8067396.9/34

All: 0.002+/-0.000 χ^2/NDF: 14109054.4/64

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.001+/-0.021 χ^2/NDF:14.8/13

Left: -0.005+/-0.015 χ^2/NDF: 34.3/29

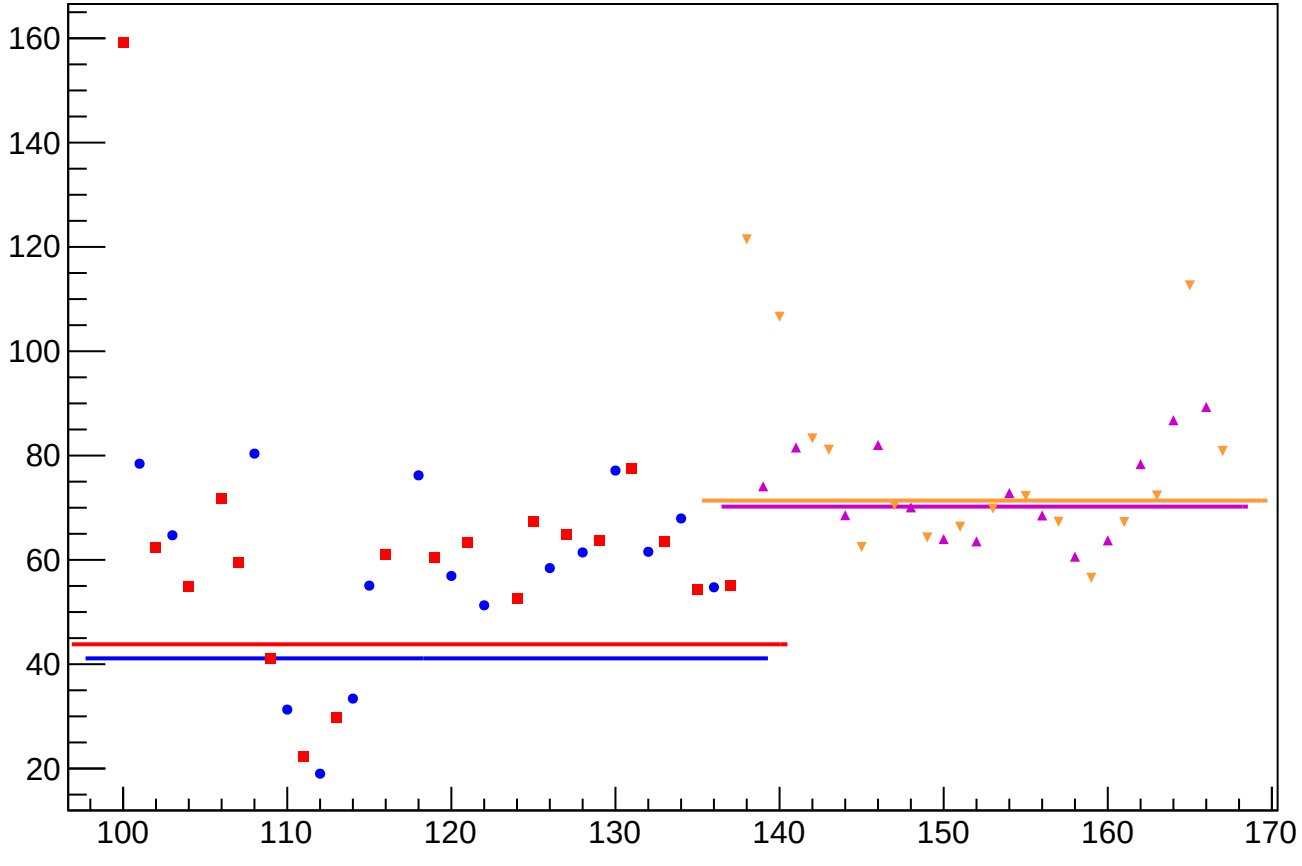
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:36.1/29

Out: -0.004+/-0.014 χ^2/NDF:38.8/34

All: 0.014+/-0.010 χ^2/NDF: 78.2/64

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.369+/-0.015 χ^2/NDF:809816.9/15

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.214+/-0.015 χ^2/NDF:266271.8/13

Left: 70.806+/-0.011 χ^2/NDF: 1079076.7/29

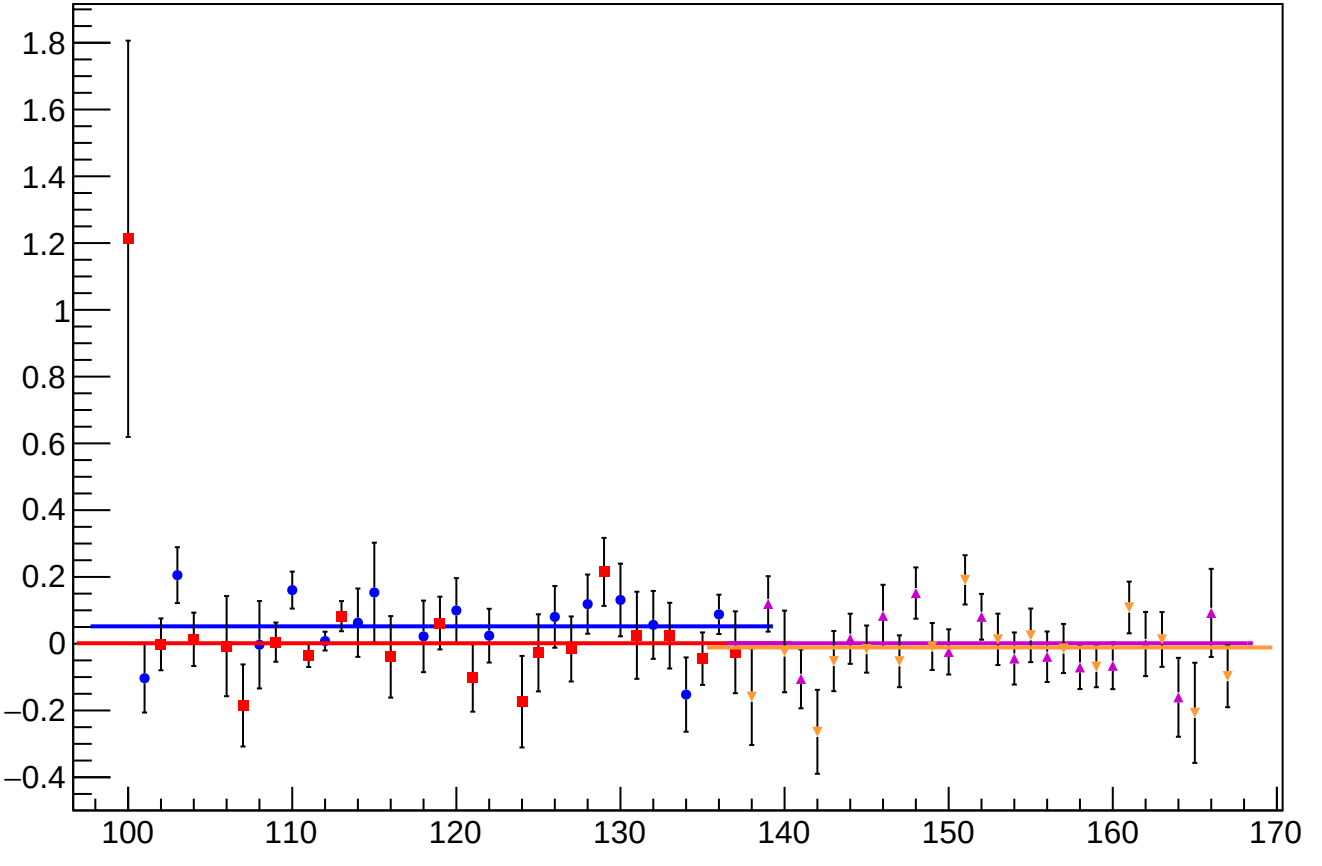
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 52.998+/-0.010 χ^2/NDF:5380323.7/29

Out: 55.530+/-0.010 χ^2/NDF:4867731.0/34

All: 54.271+/-0.007 χ^2/NDF: 10282546.0/64

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.001+/-0.021 χ^2/NDF:14.8/13

Left: -0.005+/-0.015 χ^2/NDF: 34.3/29

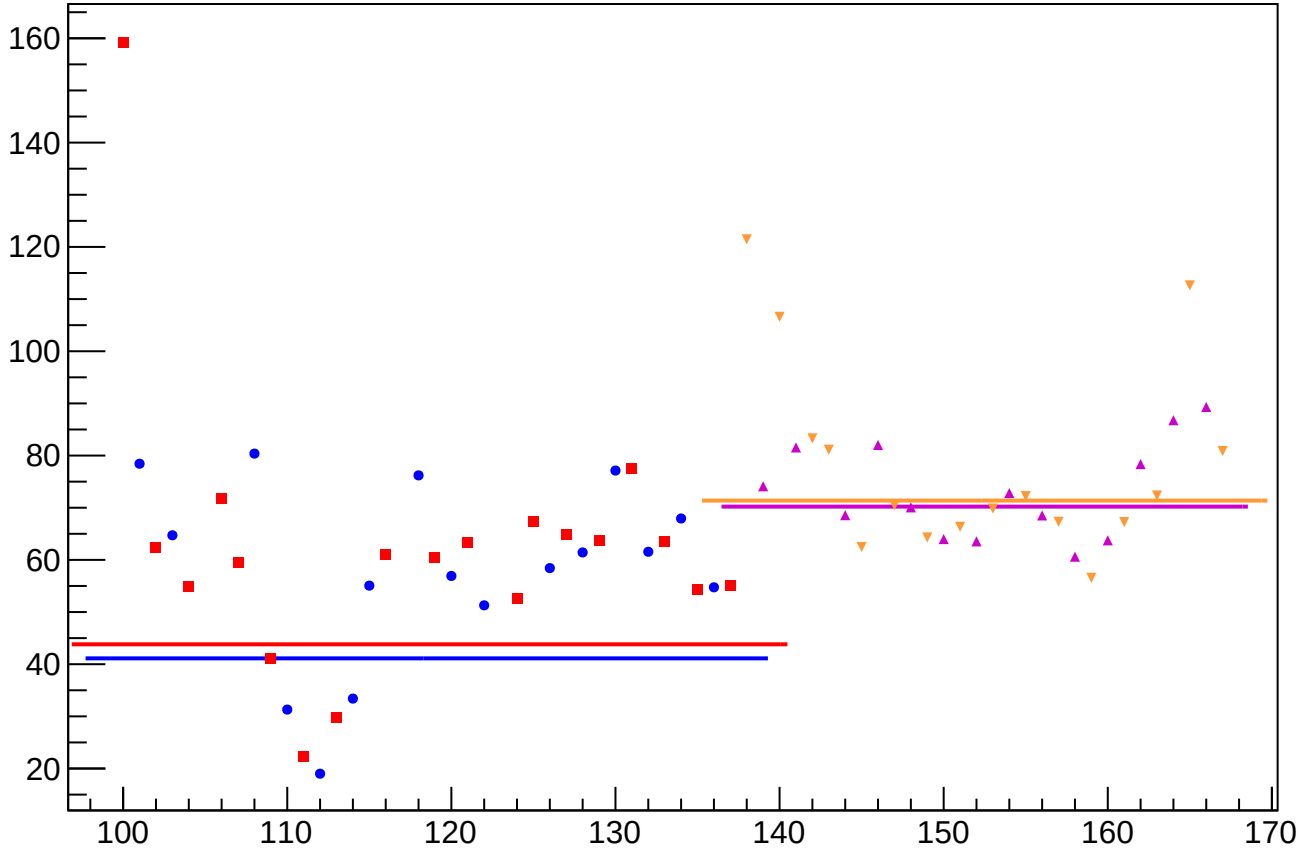
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:36.1/29

Out: -0.004+/-0.014 χ^2/NDF:38.8/34

All: 0.014+/-0.010 χ^2/NDF: 78.2/64

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.369+/-0.015 χ^2/NDF:809816.9/15

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.214+/-0.015 χ^2/NDF:266271.8/13

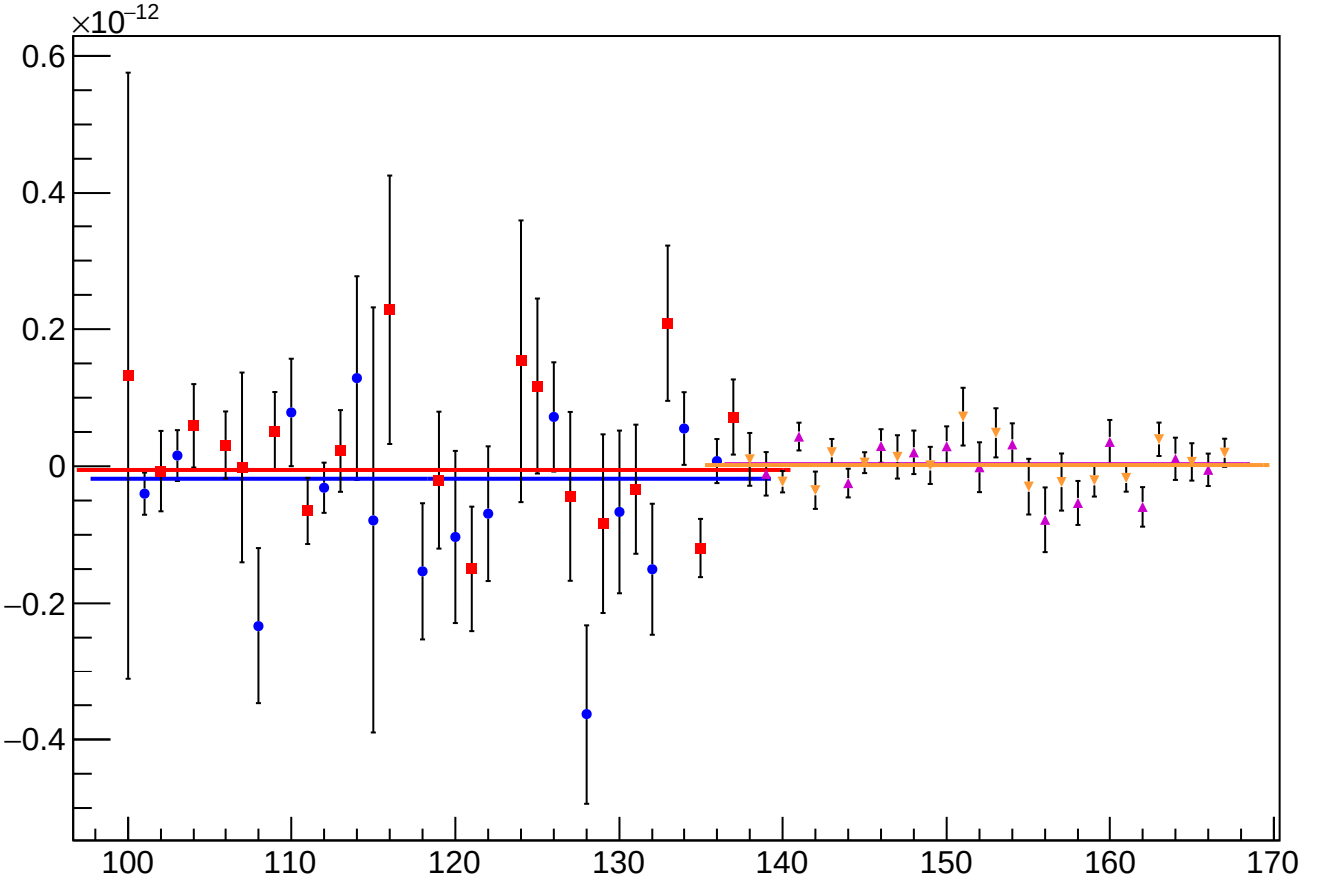
Left: 70.806+/-0.011 χ^2/NDF: 1079076.7/29

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 52.998+/-0.010 χ^2/NDF:5380323.7/29

Out: 55.530+/-0.010 χ^2/NDF:4867731.0/34

All: 54.271+/-0.007 χ^2/NDF: 10282546.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/13

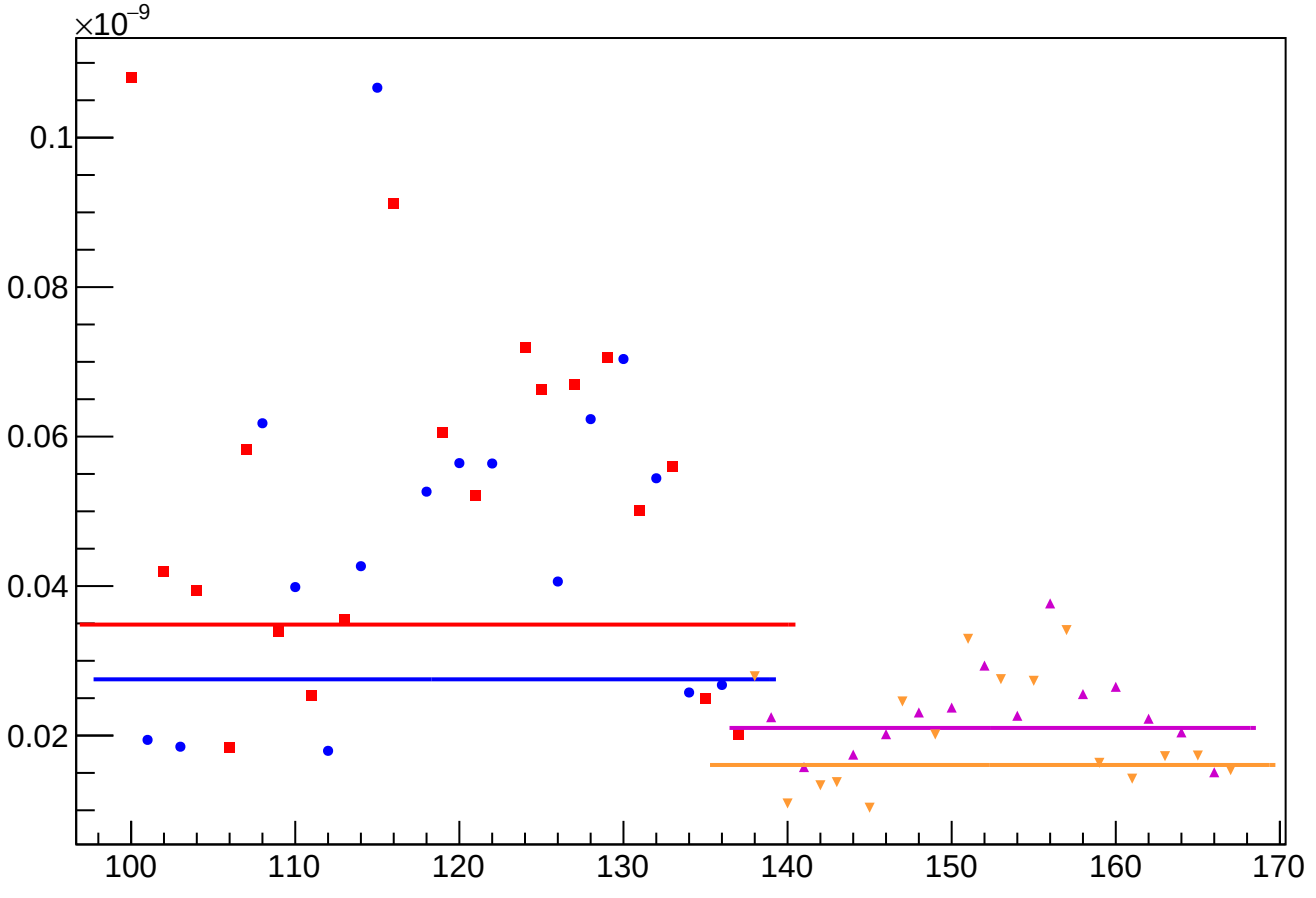
Left: 0.000+/-0.000 χ^2/NDF: 36.9/29

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: -0.000+/-0.000 χ^2/NDF:45.7/29

Out: 0.000+/-0.000 χ^2/NDF:39.3/34

All: -0.000+/-0.000 χ^2/NDF: 85.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2012038.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:813800.1/13

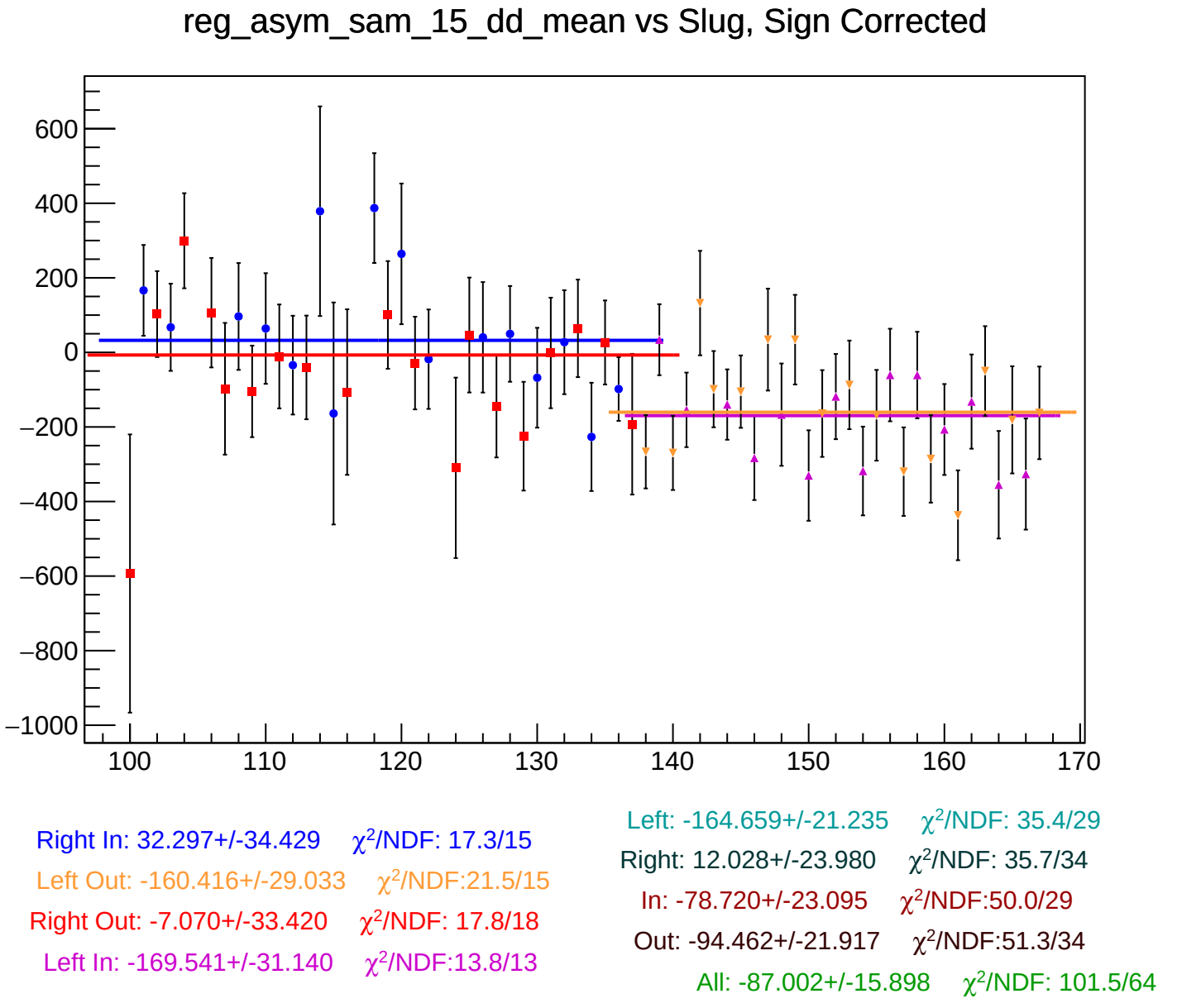
Left: 0.000+/-0.000 χ^2/NDF: 3358277.3/29

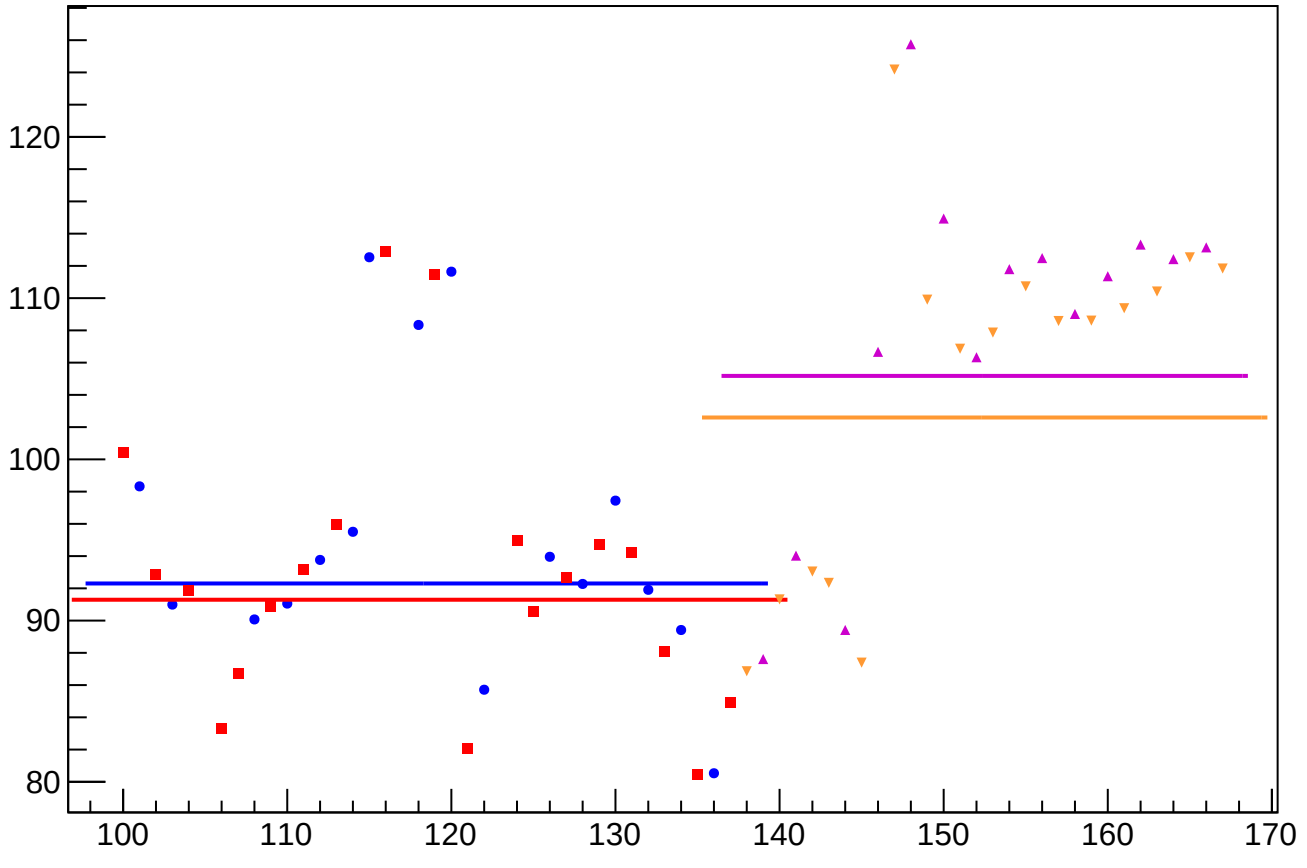
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2934230.1/29

Out: 0.000+/-0.000 χ^2/NDF:5930881.9/34

All: 0.000+/-0.000 χ^2/NDF: 9324421.7/64


reg_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 32.297+/-34.429 χ²/NDF: 17.3/15
Left Out: -160.416+/-29.033 χ²/NDF:21.5/15
Right Out: -7.070+/-33.420 χ²/NDF: 17.8/18
Left In: -169.541+/-31.140 χ²/NDF:13.8/13
Left: -164.659+/-21.235 χ²/NDF: 35.4/29
Right: 12.028+/-23.980 χ²/NDF: 35.7/34
In: -78.720+/-23.095 χ²/NDF:50.0/29
Out: -94.462+/-21.917 χ²/NDF:51.3/34
All: -87.002+/-15.898 χ²/NDF: 101.5/64



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.597+/-0.021 χ^2/NDF:273831.5/15

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 105.177+/-0.022 χ^2/NDF:246532.0/13

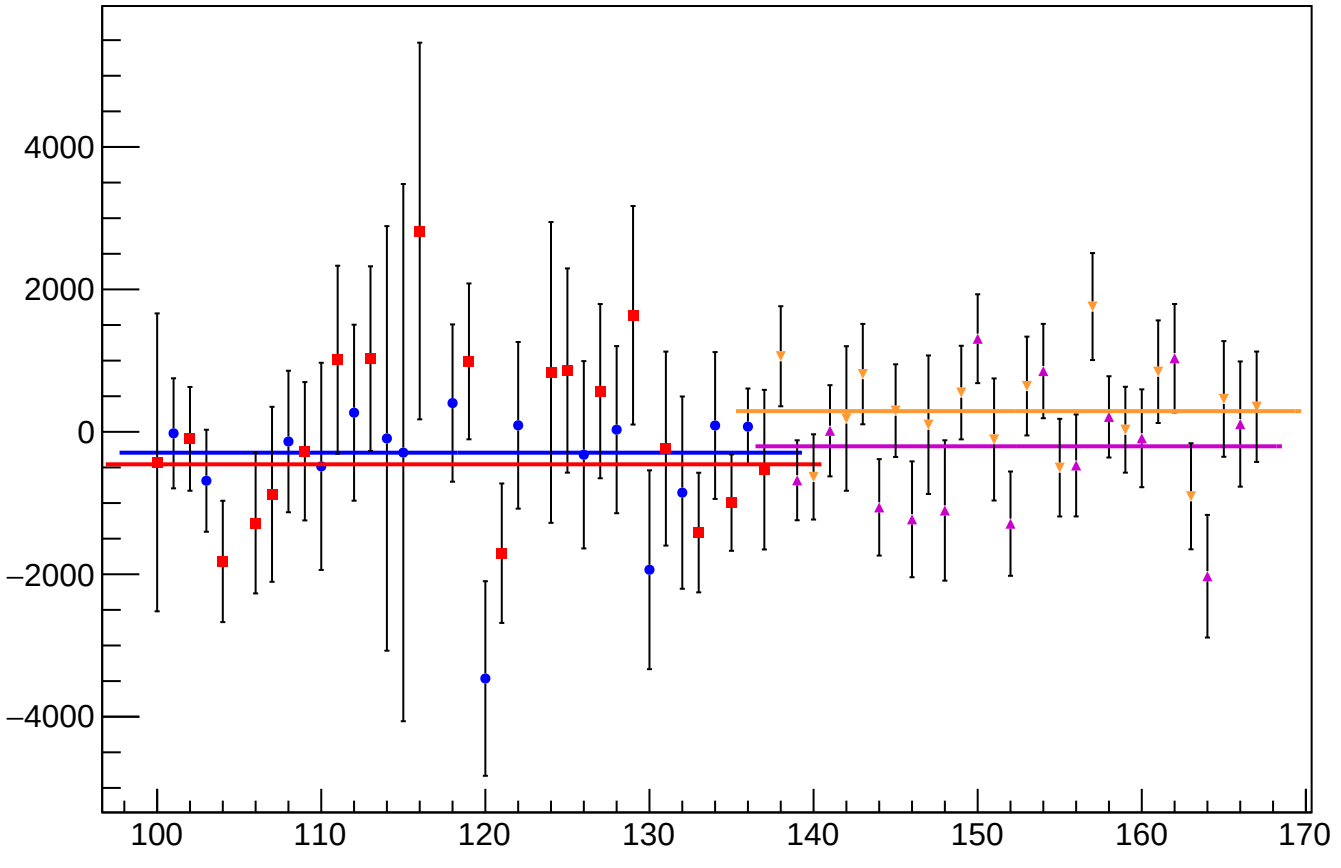
Left: 103.797+/-0.015 χ^2/NDF: 527708.8/29

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 99.384+/-0.016 χ^2/NDF:507430.6/29

Out: 97.735+/-0.015 χ^2/NDF:509314.9/34

All: 98.517+/-0.011 χ^2/NDF: 1022106.3/64



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 291.013+/-180.964 χ^2/NDF:13.4/15

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -203.202+/-187.152 χ^2/NDF:23.4/13

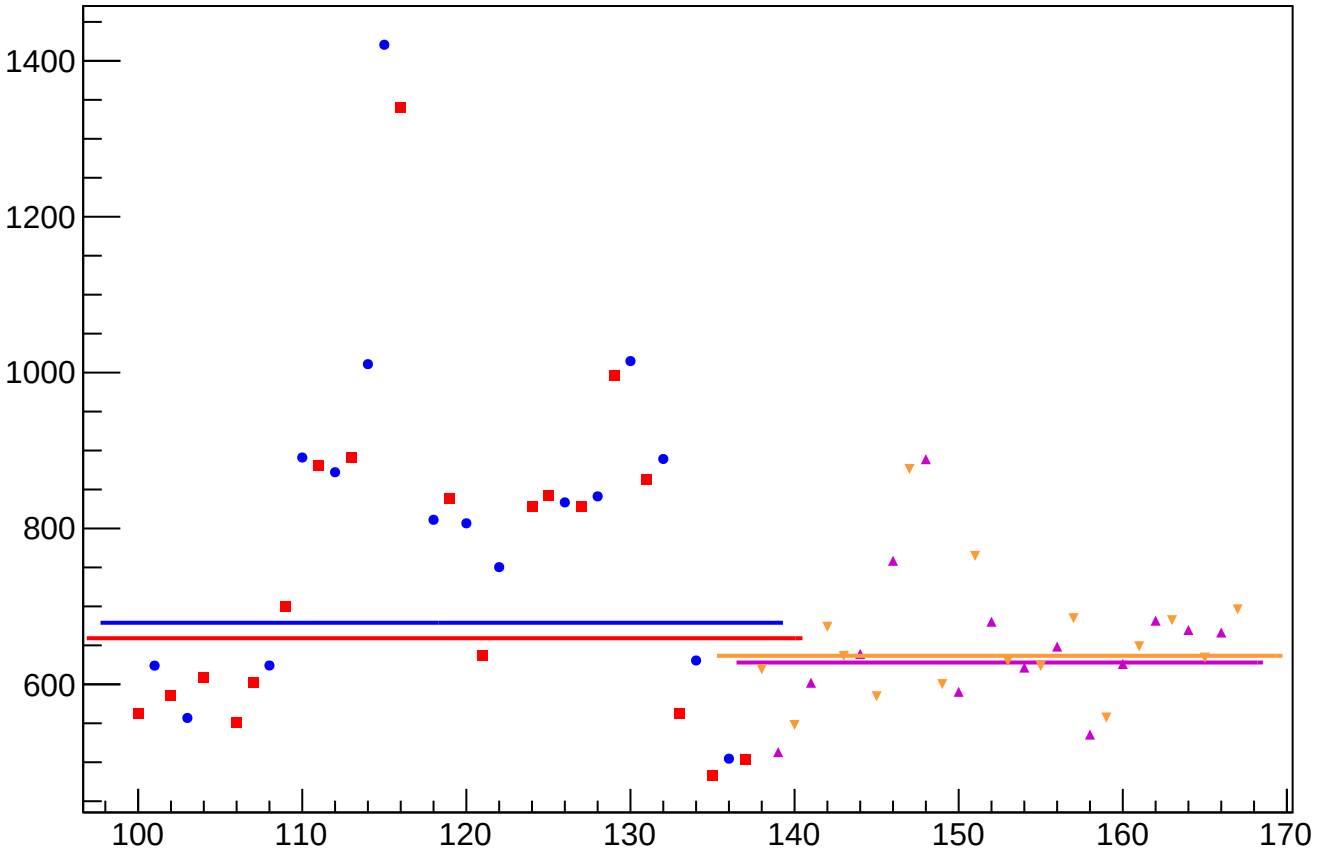
Left: 52.210+/-130.094 χ^2/NDF: 40.4/29

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -233.814+/-151.832 χ^2/NDF:32.3/29

Out: 32.497+/-146.330 χ^2/NDF:36.1/34

All: -95.746+/-105.362 χ^2/NDF: 70.0/64



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 636.601+/-0.128 χ^2/NDF:296608.3/15

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 627.981+/-0.132 χ^2/NDF:369651.2/13

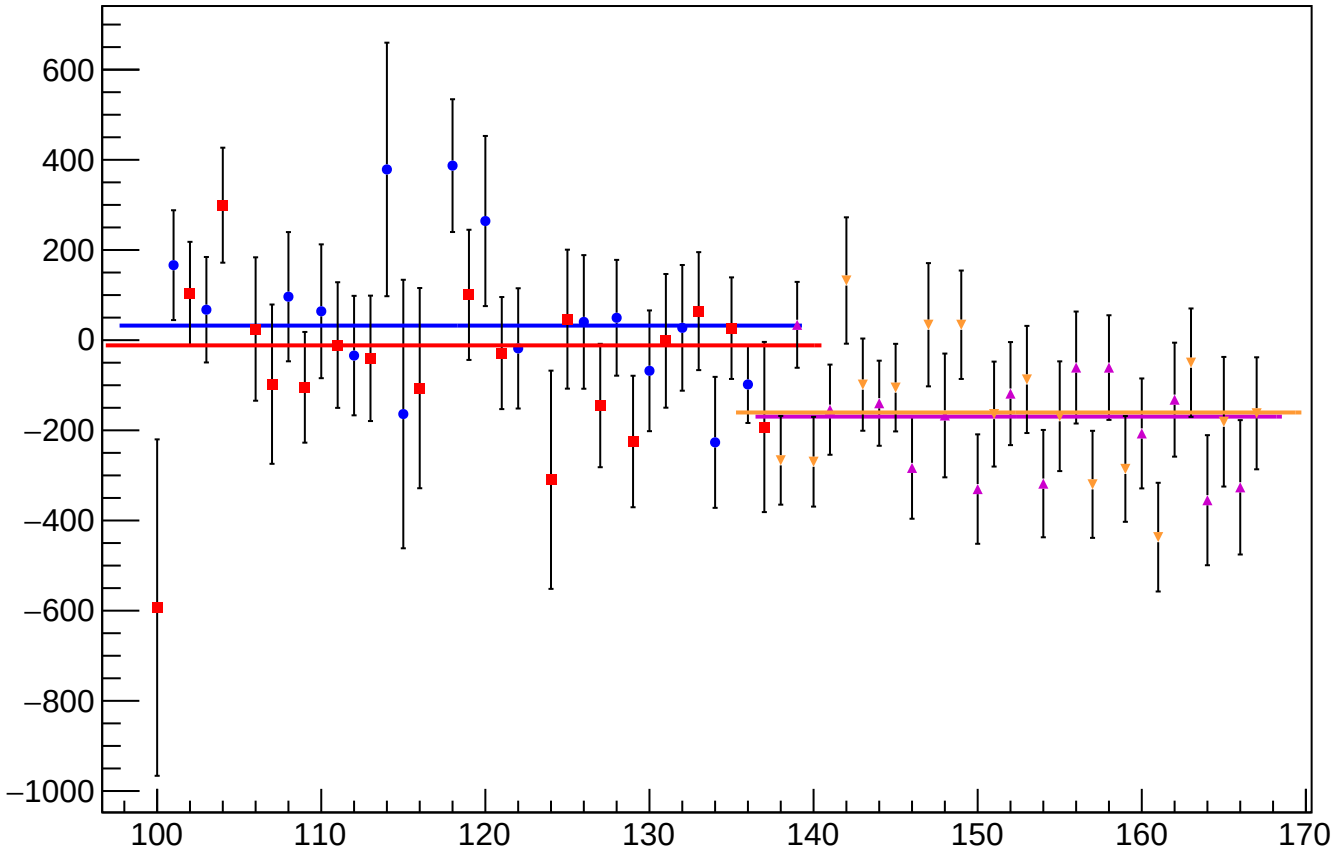
Left: 632.436+/-0.092 χ^2/NDF: 668451.8/29

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 645.422+/-0.107 χ^2/NDF:1188445.8/29

Out: 644.400+/-0.103 χ^2/NDF:1103219.1/34

All: 644.892+/-0.075 χ^2/NDF: 2291711.8/64



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.413+/-29.033 χ^2/NDF:21.5/15

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -169.543+/-31.140 χ^2/NDF:13.8/13

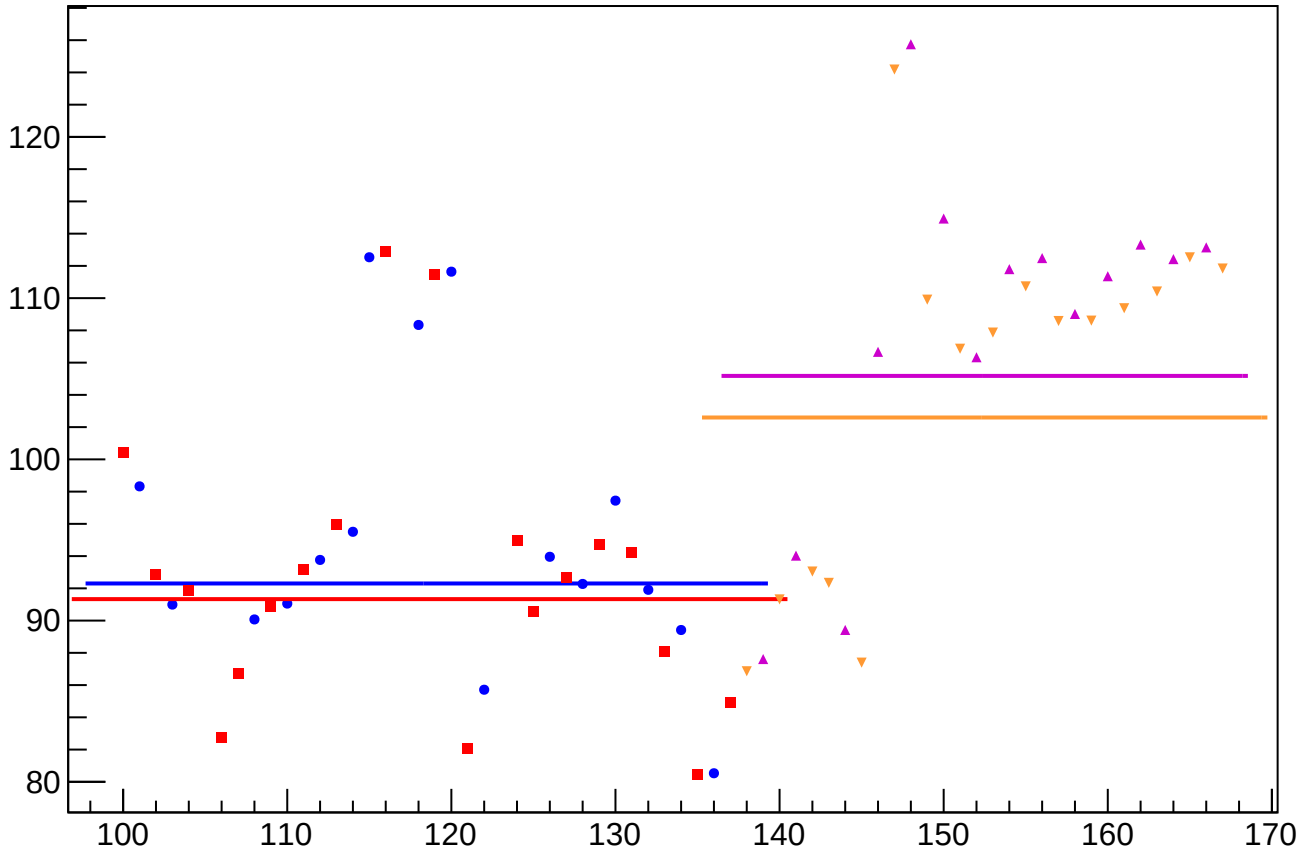
Left: -164.659+/-21.235 χ^2/NDF: 35.4/29

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -78.714+/-23.095 χ^2/NDF:50.0/29

Out: -96.678+/-21.954 χ^2/NDF:50.0/34

All: -88.151+/-15.912 χ^2/NDF: 100.3/64



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.597+/-0.021 χ^2/NDF:273831.5/15

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.177+/-0.022 χ^2/NDF:246532.0/13

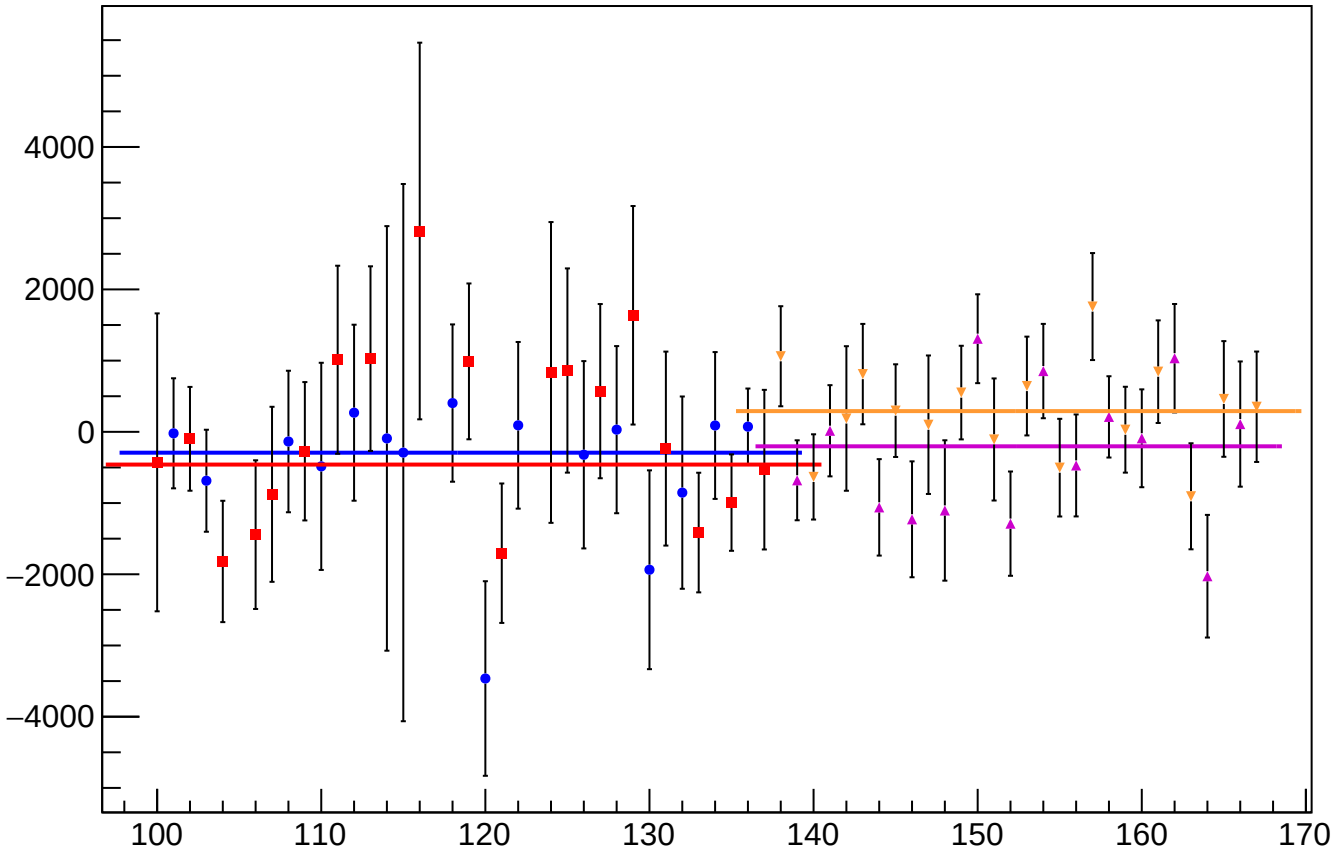
Left: 103.797+/-0.015 χ^2/NDF: 527708.8/29

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 99.384+/-0.016 χ^2/NDF:507430.5/29

Out: 97.773+/-0.016 χ^2/NDF:507687.1/34

All: 98.538+/-0.011 χ^2/NDF: 1020228.1/64



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 291.012+/-180.965 χ^2/NDF:13.4/15

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -203.204+/-187.152 χ^2/NDF:23.4/13

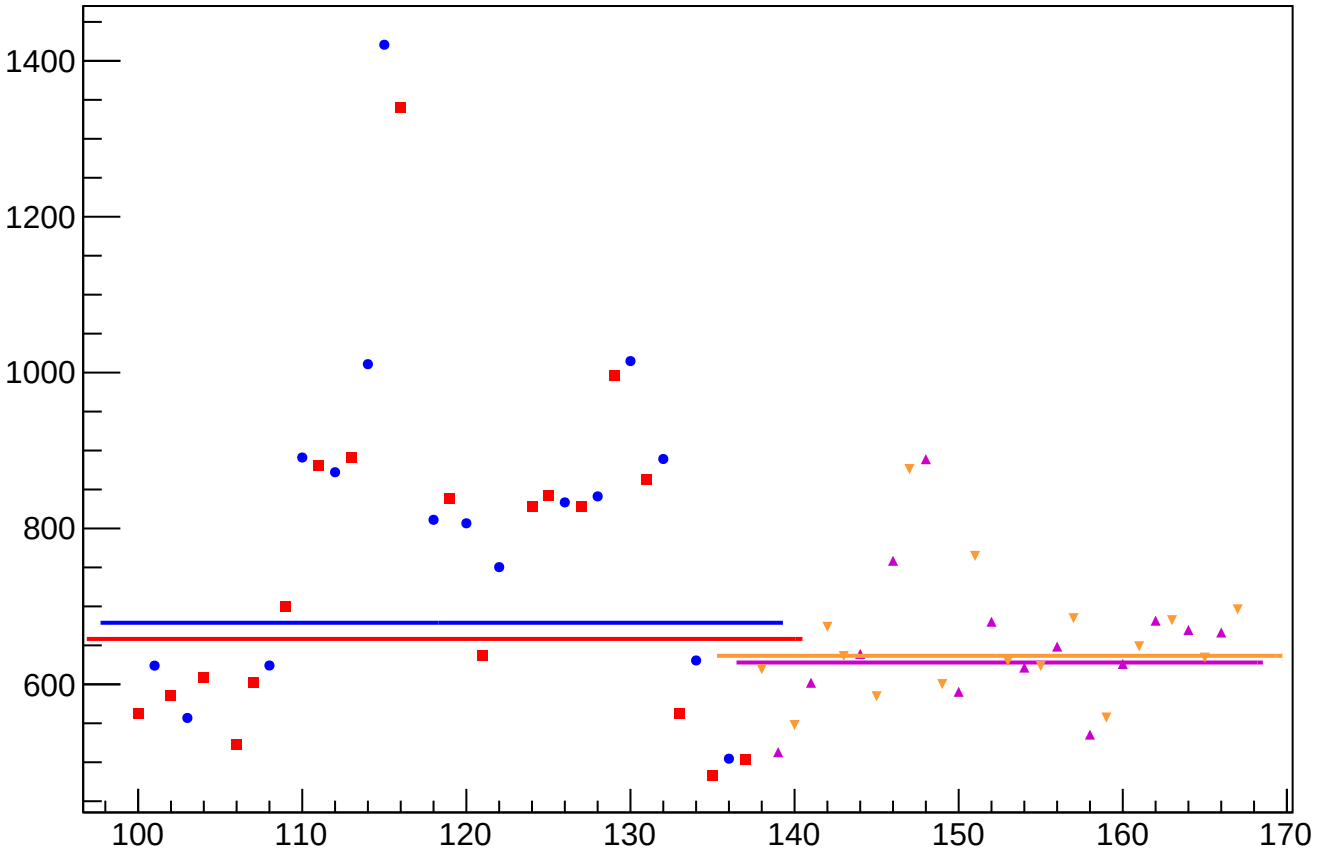
Left: 52.209+/-130.094 χ^2/NDF: 40.4/29

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -233.814+/-151.832 χ^2/NDF:32.3/29

Out: 32.319+/-146.498 χ^2/NDF:36.4/34

All: -95.991+/-105.425 χ^2/NDF: 70.3/64



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 636.601+/-0.128 χ^2/NDF:296609.2/15

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 627.982+/-0.132 χ^2/NDF:369651.2/13

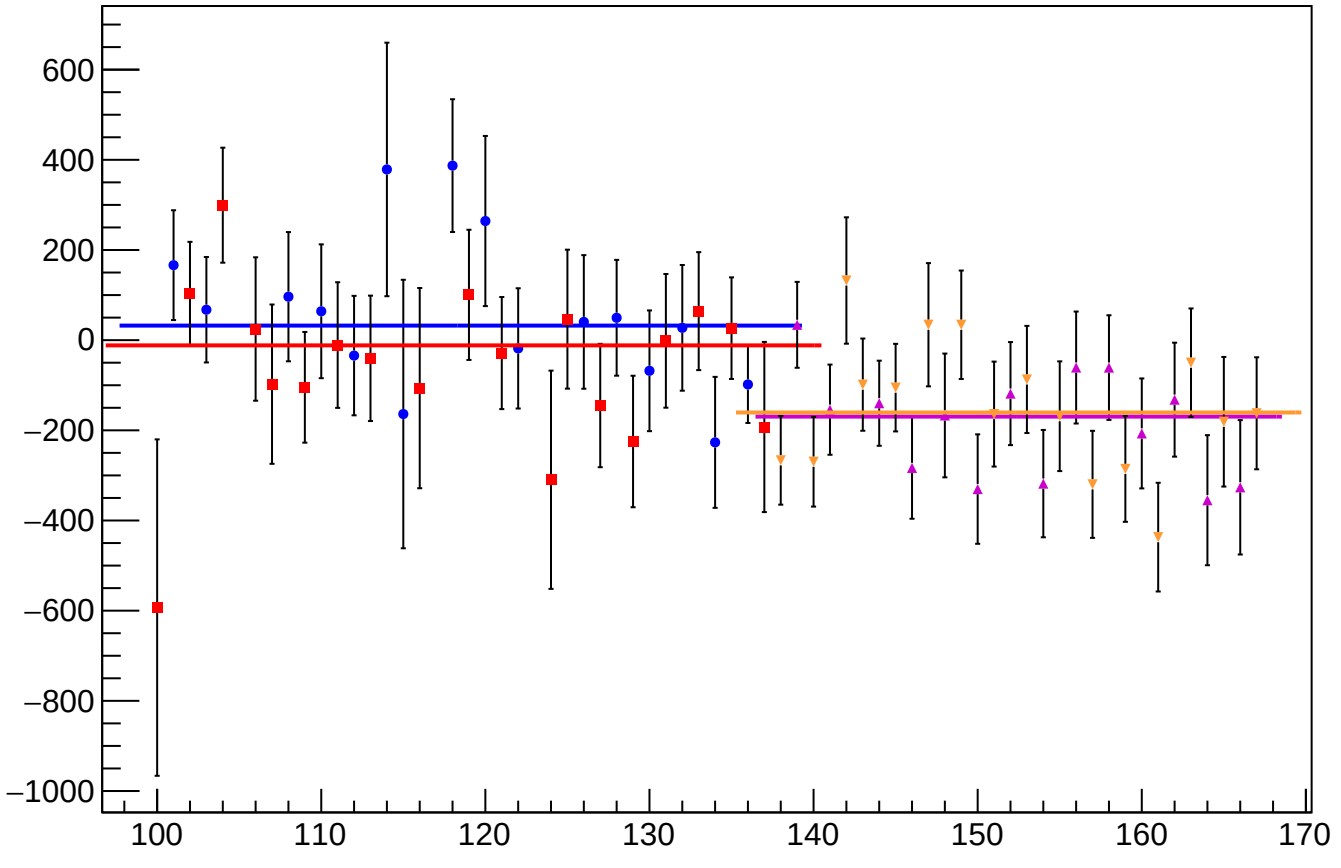
Left: 632.436+/-0.092 χ^2/NDF: 668452.7/29

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 645.422+/-0.107 χ^2/NDF:1188446.4/29

Out: 644.066+/-0.104 χ^2/NDF:1112383.1/34

All: 644.720+/-0.075 χ^2/NDF: 2300912.1/64


eigen_cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
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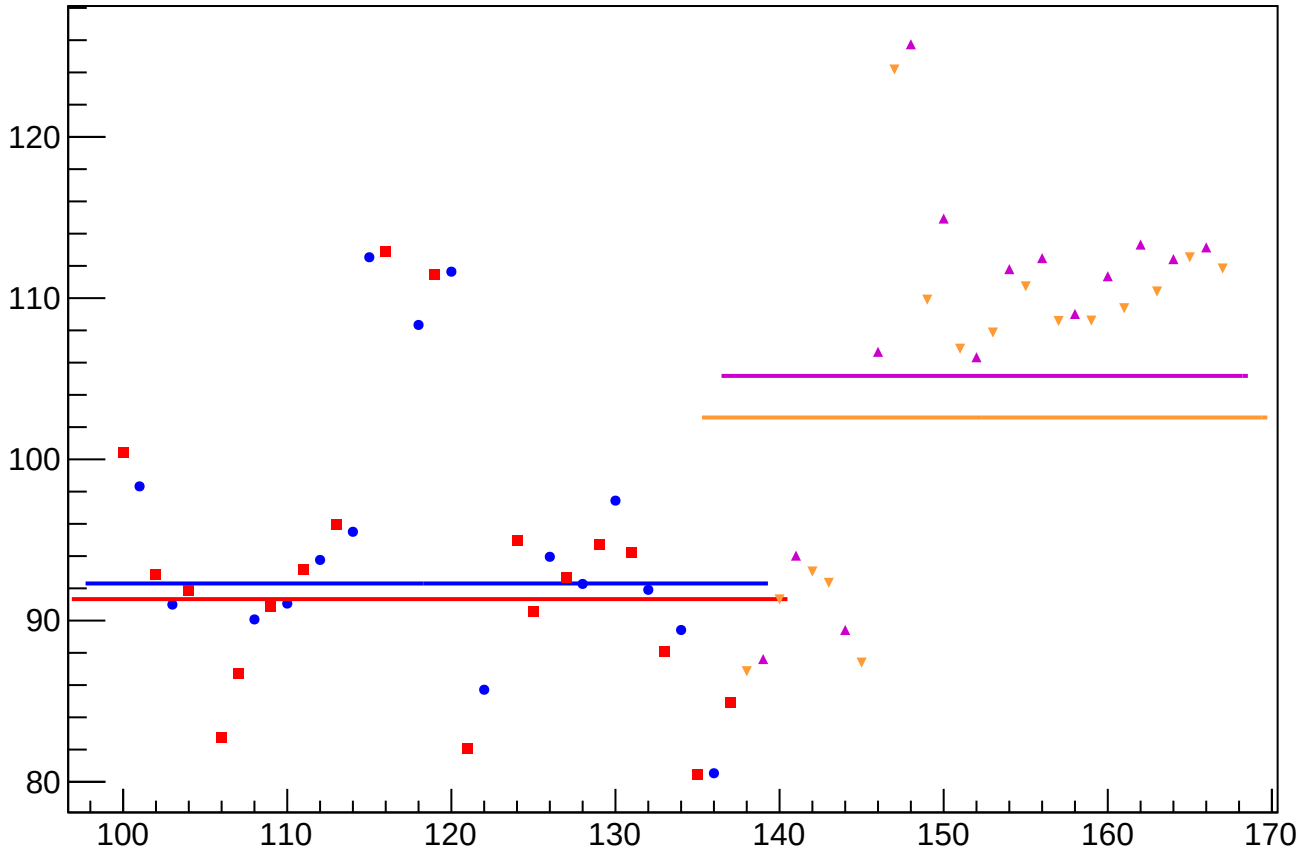
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -160.413+/-29.033 χ²/NDF:21.5/15
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -169.543+/-31.140 χ²/NDF:13.8/13
Left: -164.659+/-21.235 χ²/NDF: 35.4/29
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -78.714+/-23.095 χ²/NDF:50.0/29
Out: -96.678+/-21.954 χ²/NDF:50.0/34
All: -88.151+/-15.912 χ²/NDF: 100.3/64



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.597+/-0.021 χ^2/NDF:273831.5/15

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.177+/-0.022 χ^2/NDF:246532.0/13

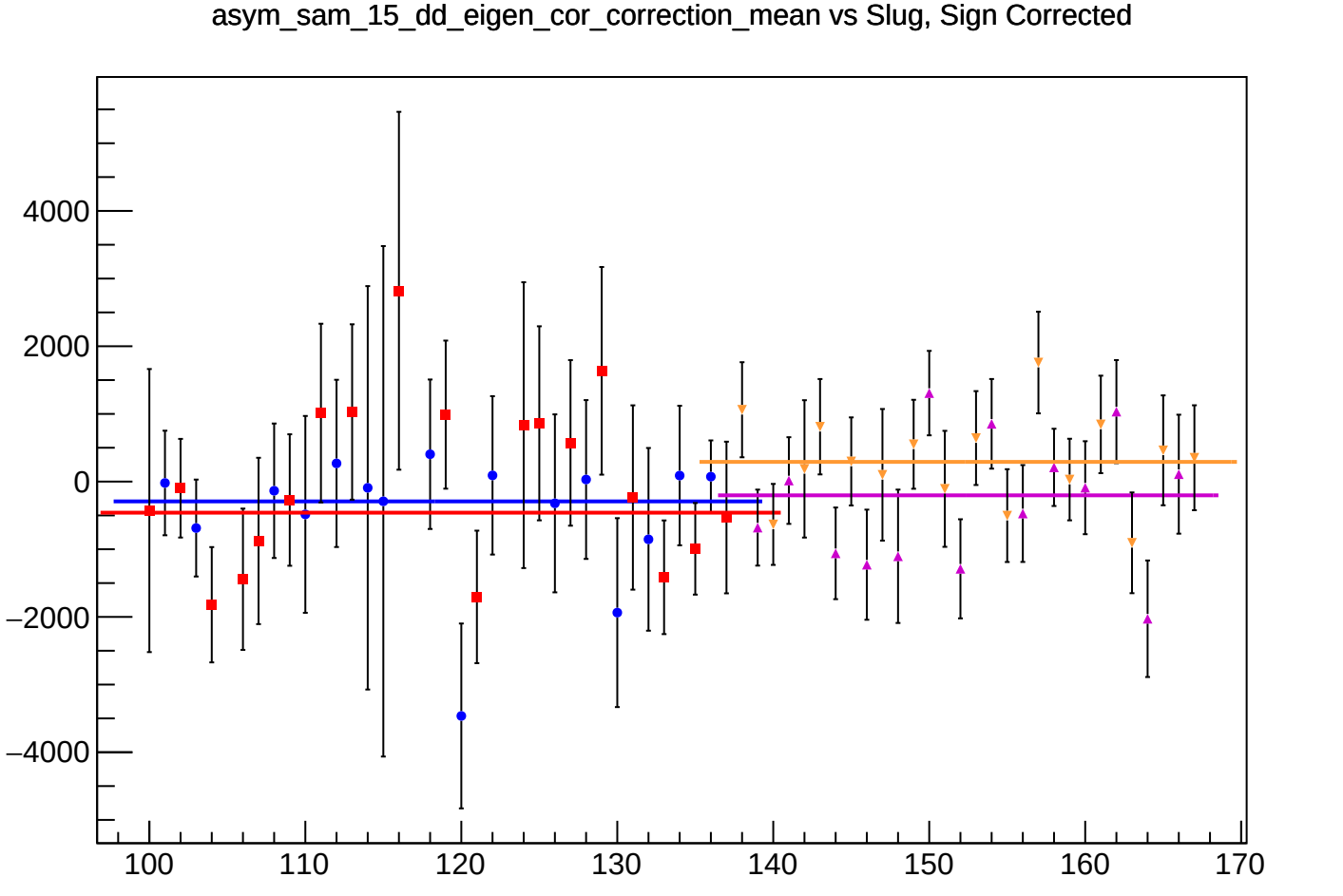
Left: 103.797+/-0.015 χ^2/NDF: 527708.8/29

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 99.384+/-0.016 χ^2/NDF:507430.5/29

Out: 97.773+/-0.016 χ^2/NDF:507687.1/34

All: 98.538+/-0.011 χ^2/NDF: 1020228.1/64



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 291.012+/-180.965 χ^2/NDF:13.4/15

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -203.204+/-187.152 χ^2/NDF:23.4/13

Left: 52.209+/-130.094 χ^2/NDF: 40.4/29

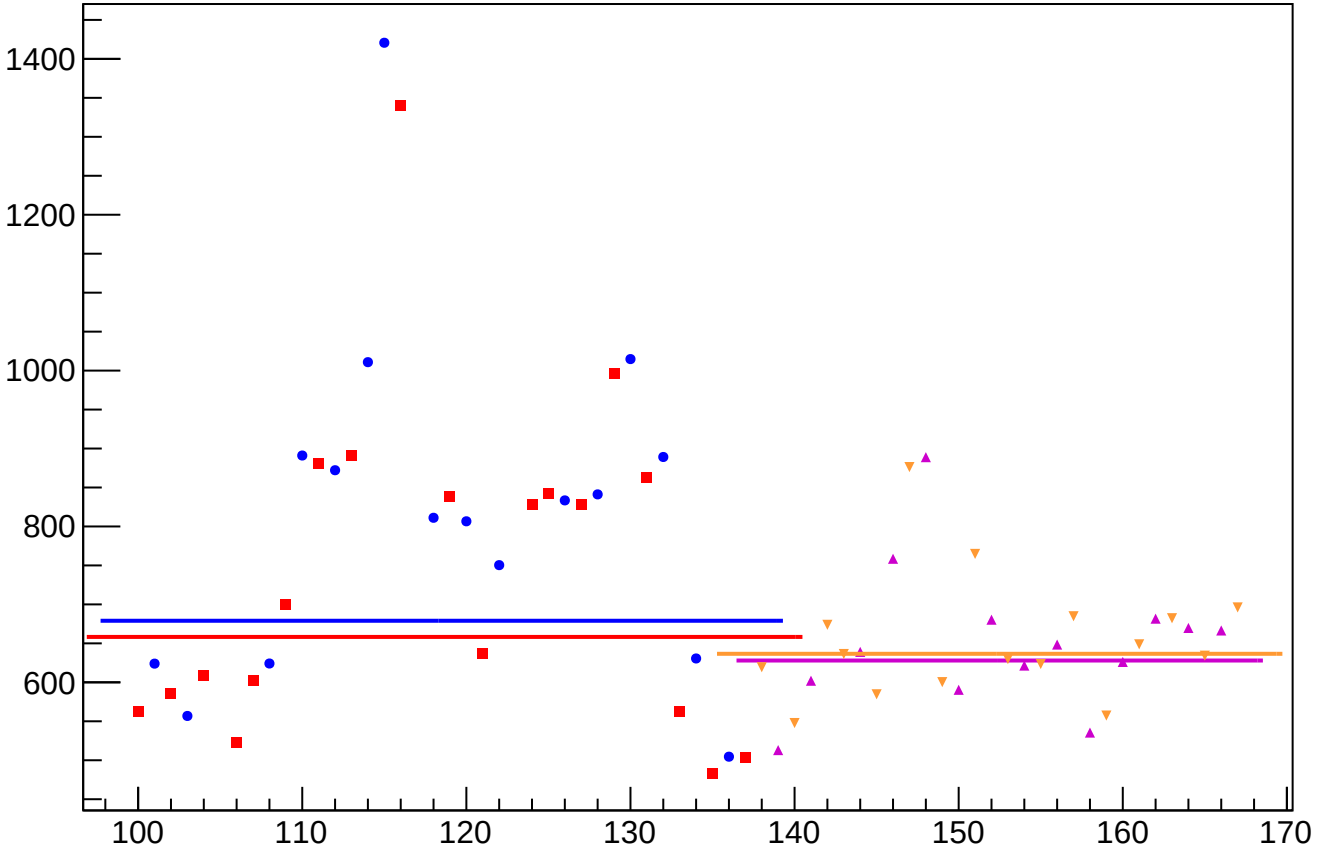
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -233.814+/-151.832 χ^2/NDF:32.3/29

Out: 32.319+/-146.498 χ^2/NDF:36.4/34

All: -95.991+/-105.425 χ^2/NDF: 70.3/64

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 636.601+/-0.128 χ^2/NDF:296609.2/15

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 627.982+/-0.132 χ^2/NDF:369651.2/13

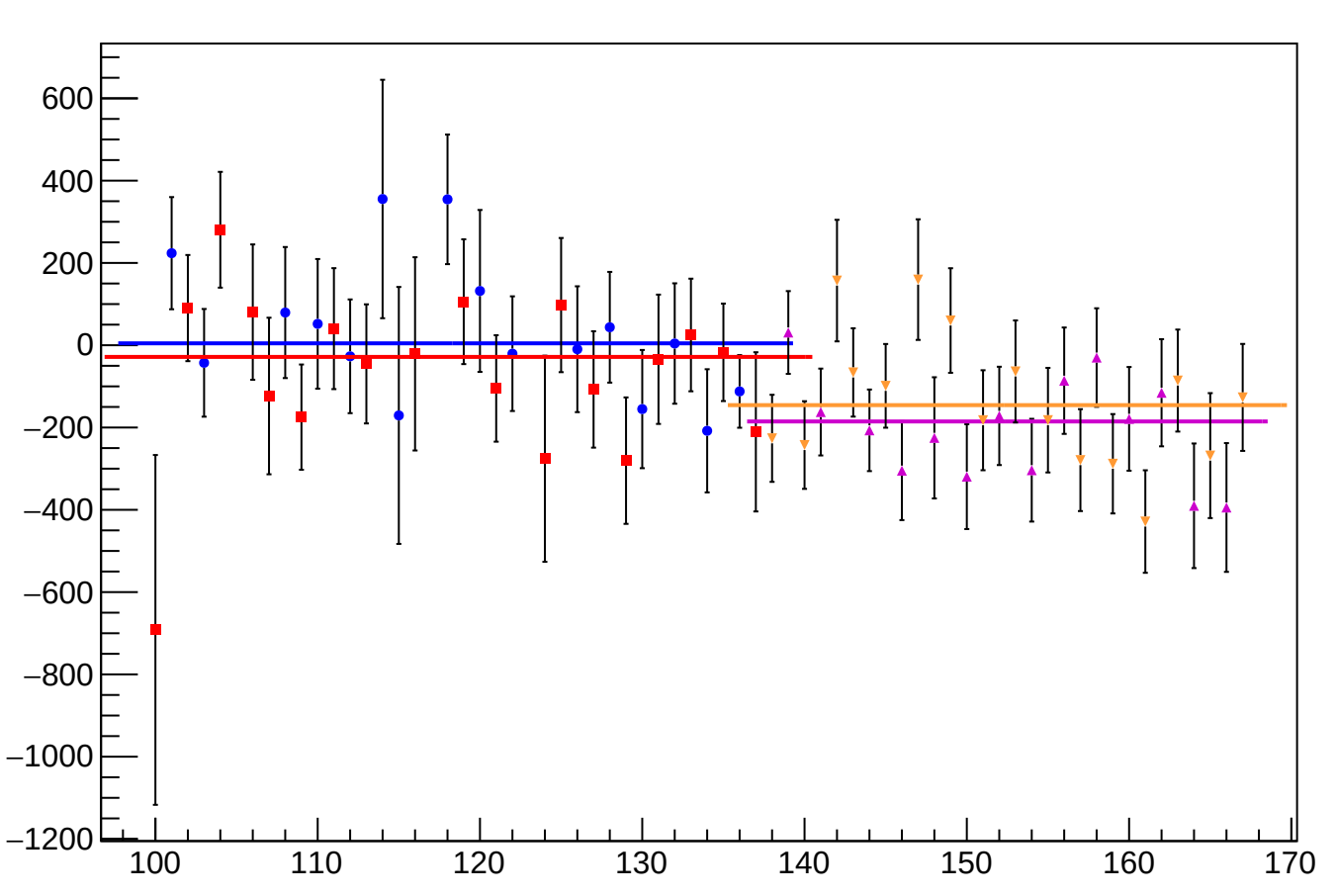
Left: 632.436+/-0.092 χ^2/NDF: 668452.7/29

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 645.422+/-0.107 χ^2/NDF:1188446.4/29

Out: 644.066+/-0.104 χ^2/NDF:1112383.1/34

All: 644.720+/-0.075 χ^2/NDF: 2300912.1/64



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -145.579+/-30.489 χ^2/NDF:22.5/15

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -185.275+/-32.662 χ^2/NDF:14.0/13

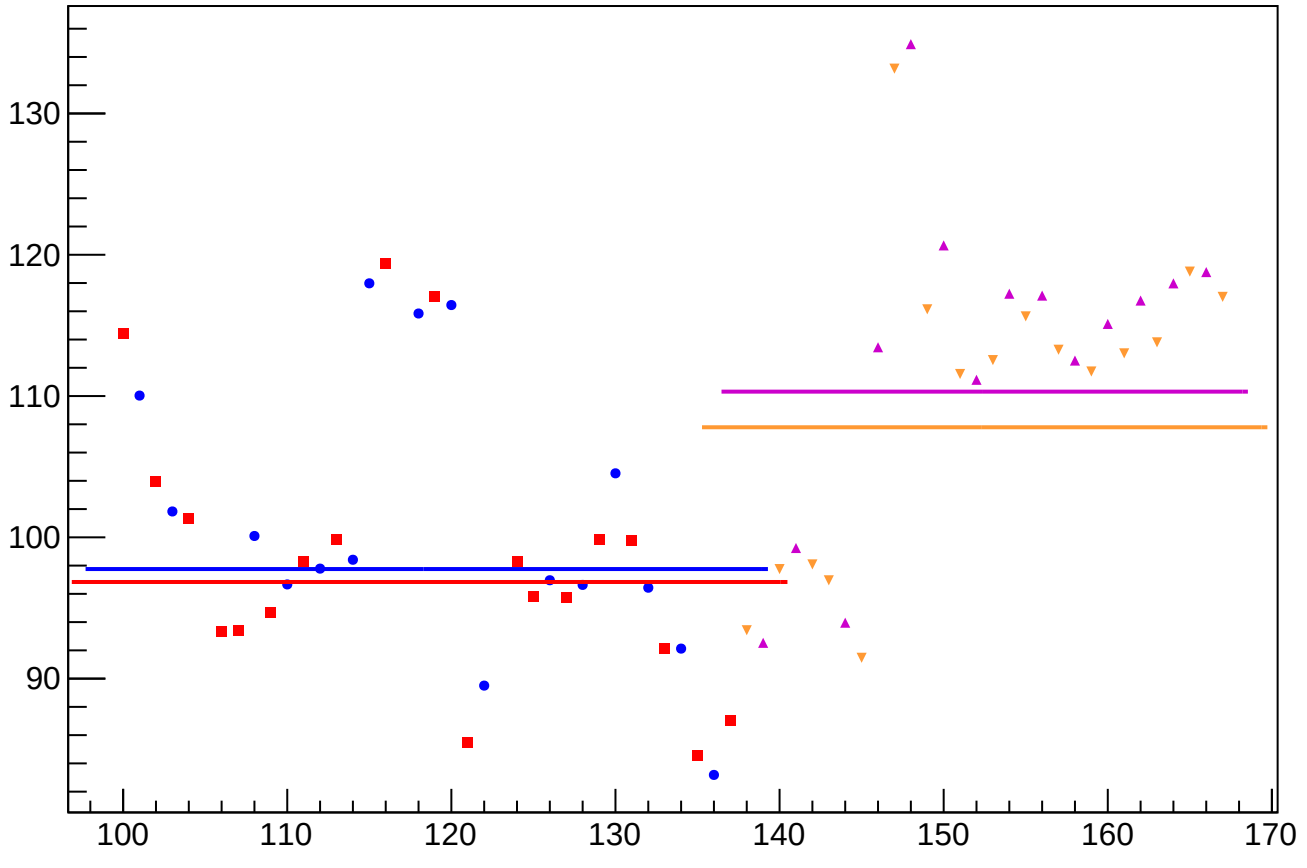
Left: -164.064+/-22.288 χ^2/NDF: 37.3/29

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -100.858+/-24.342 χ^2/NDF:44.3/29

Out: -95.782+/-23.120 χ^2/NDF:45.9/34

All: -98.190+/-16.764 χ^2/NDF: 90.3/64



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 107.791+/-0.022 χ^2/NDF:251111.7/15

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 110.313+/-0.023 χ^2/NDF:240454.3/13

Left: 108.965+/-0.016 χ^2/NDF: 497938.1/29

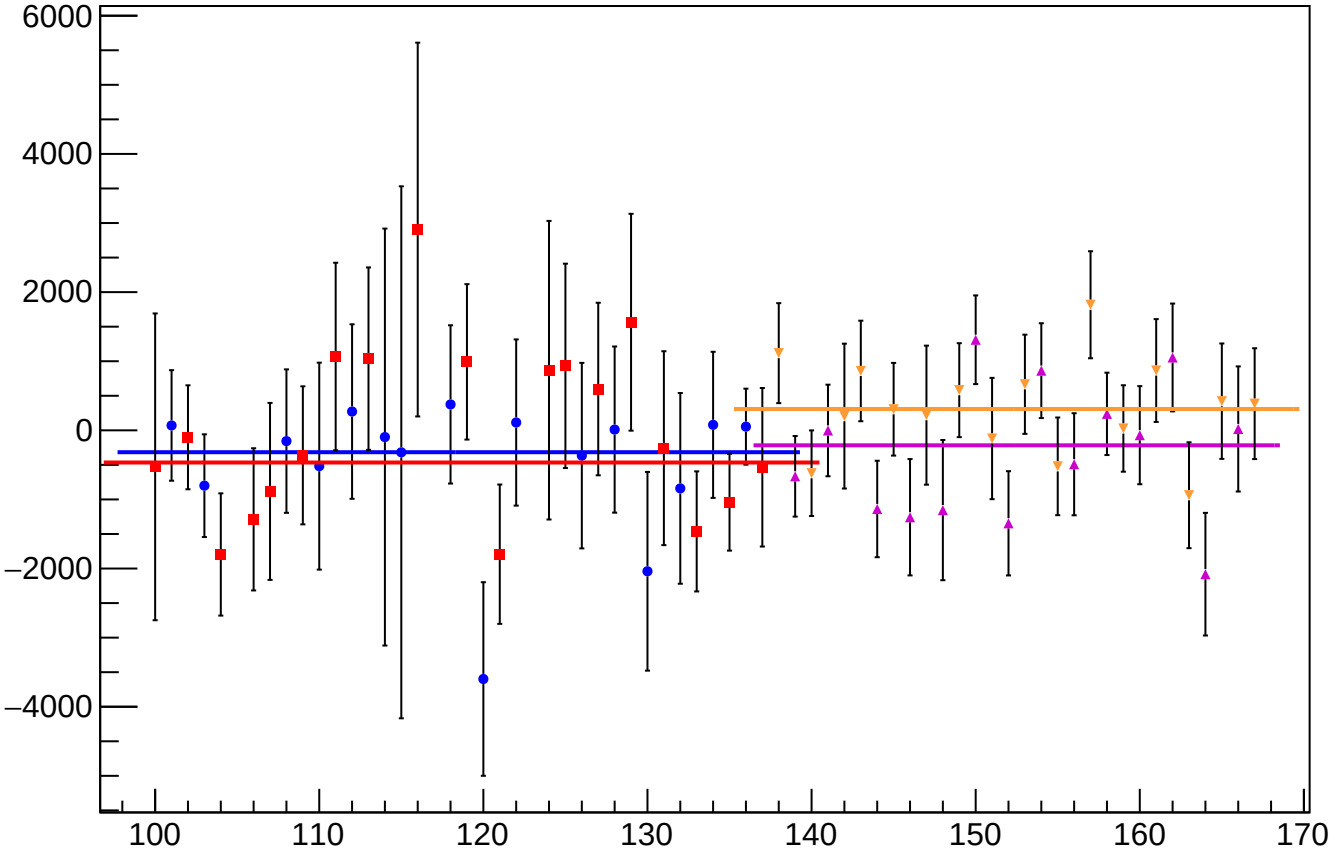
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 104.731+/-0.017 χ^2/NDF:512518.9/29

Out: 103.137+/-0.016 χ^2/NDF:475934.1/34

All: 103.893+/-0.012 χ^2/NDF: 992961.7/64

asym_sam_15_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 308.615+/-186.805 χ^2/NDF:13.4/15

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -216.844+/-193.424 χ^2/NDF:23.1/13

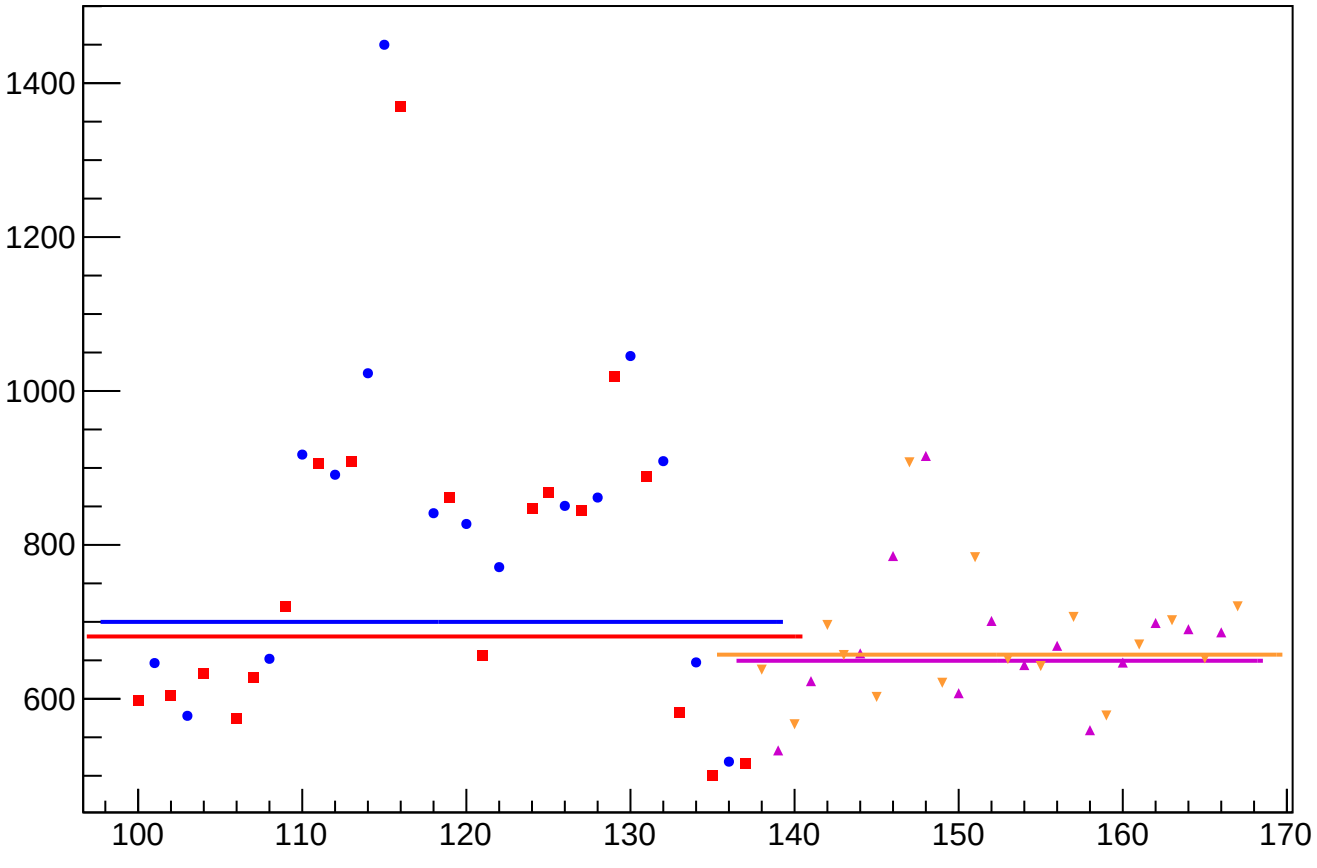
Left: 55.030+/-134.370 χ^2/NDF: 40.3/29

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -251.082+/-156.744 χ^2/NDF:32.4/29

Out: 40.499+/-151.033 χ^2/NDF:35.8/34

All: -99.883+/-108.759 χ^2/NDF: 69.9/64



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 657.408+/-0.132 χ^2/NDF:291751.6/15

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 649.447+/-0.137 χ^2/NDF:354143.4/13

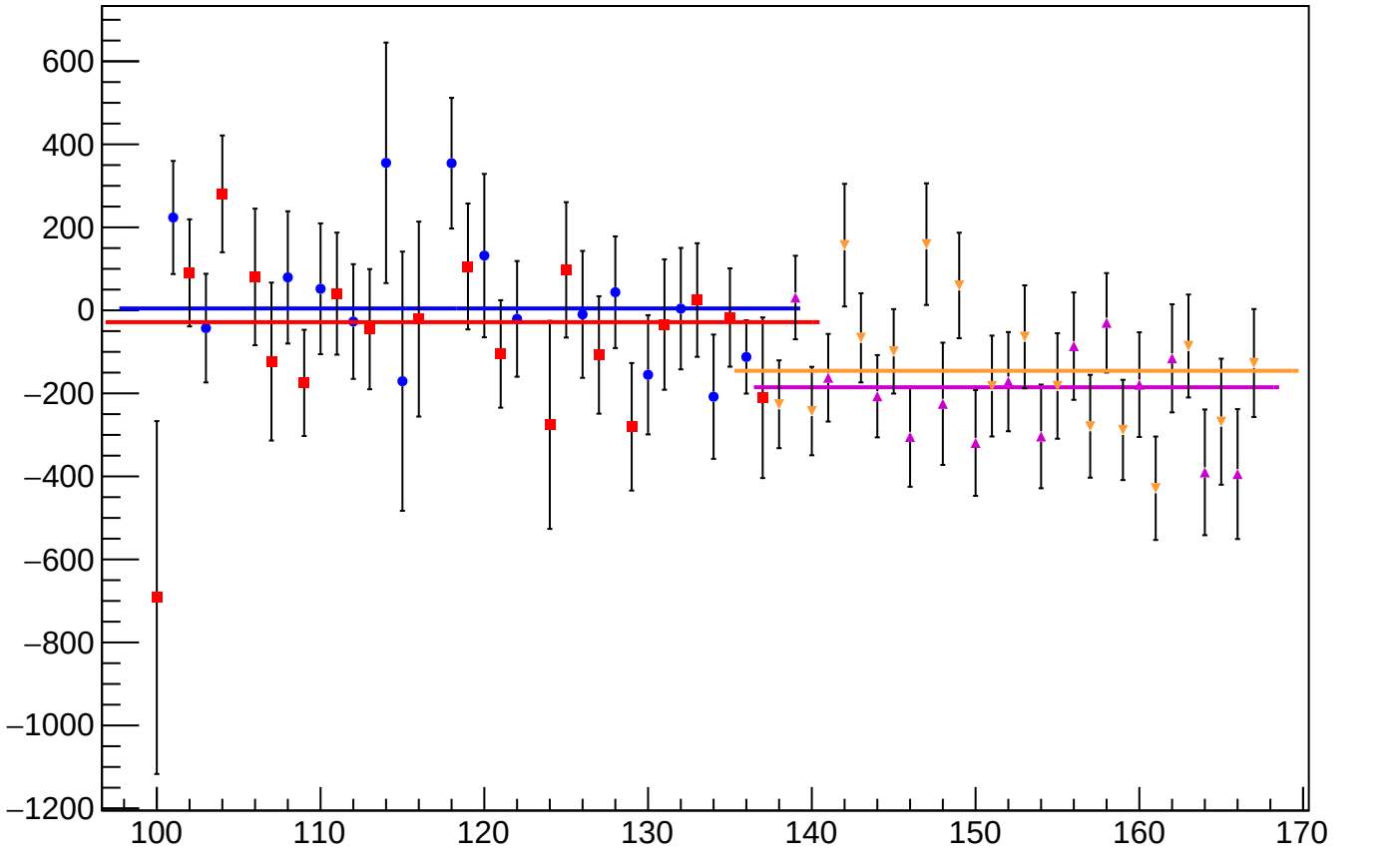
Left: 653.566+/-0.095 χ^2/NDF: 647648.1/29

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 666.793+/-0.111 χ^2/NDF:1154660.3/29

Out: 665.584+/-0.107 χ^2/NDF:1072211.7/34

All: 666.166+/-0.077 χ^2/NDF: 2226933.7/64



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -145.579+/-30.489 χ^2/NDF:22.5/15

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -185.276+/-32.662 χ^2/NDF:14.0/13

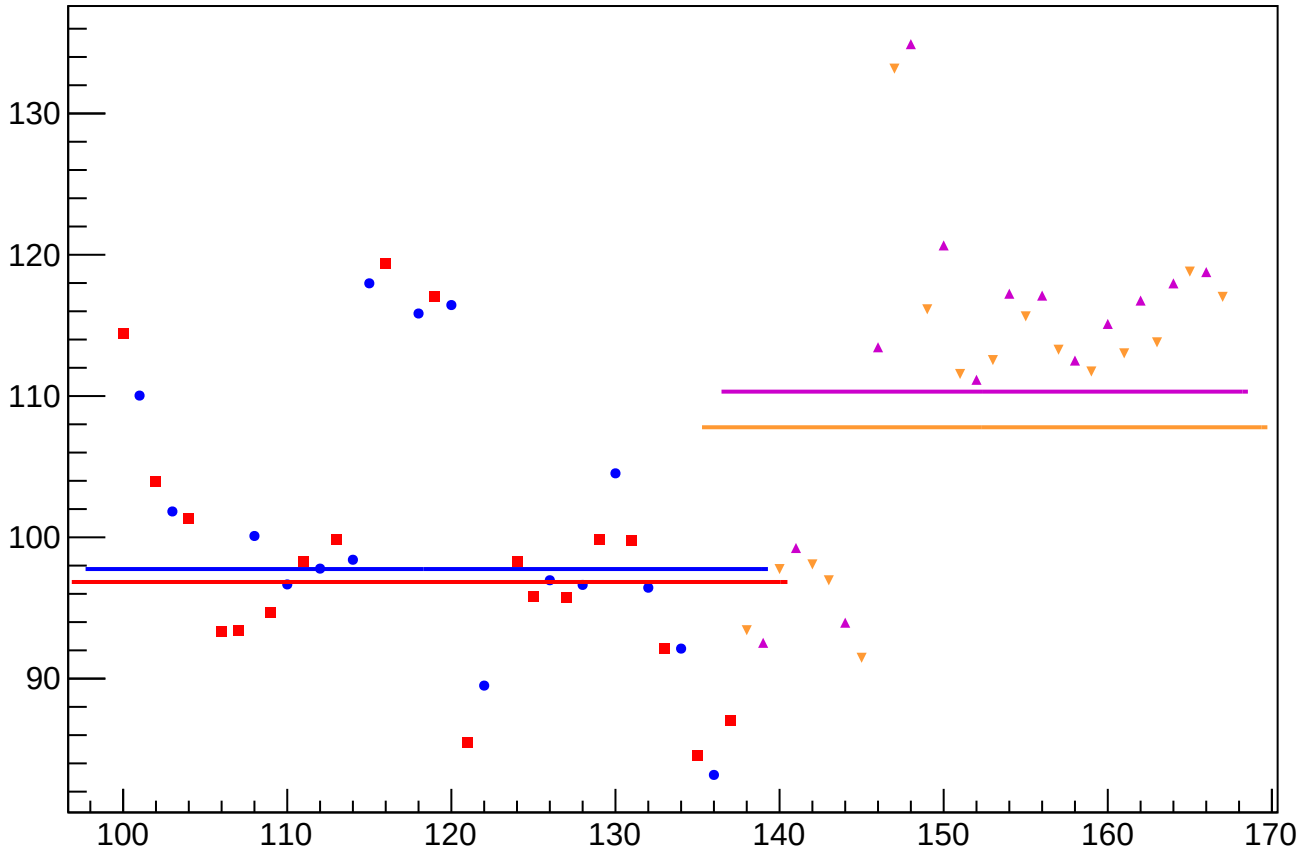
Left: -164.064+/-22.288 χ^2/NDF: 37.3/29

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -100.858+/-24.342 χ^2/NDF:44.3/29

Out: -95.782+/-23.120 χ^2/NDF:45.9/34

All: -98.189+/-16.764 χ^2/NDF: 90.3/64



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 107.791+/-0.022 χ^2/NDF:251110.5/15

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 110.313+/-0.023 χ^2/NDF:240451.7/13

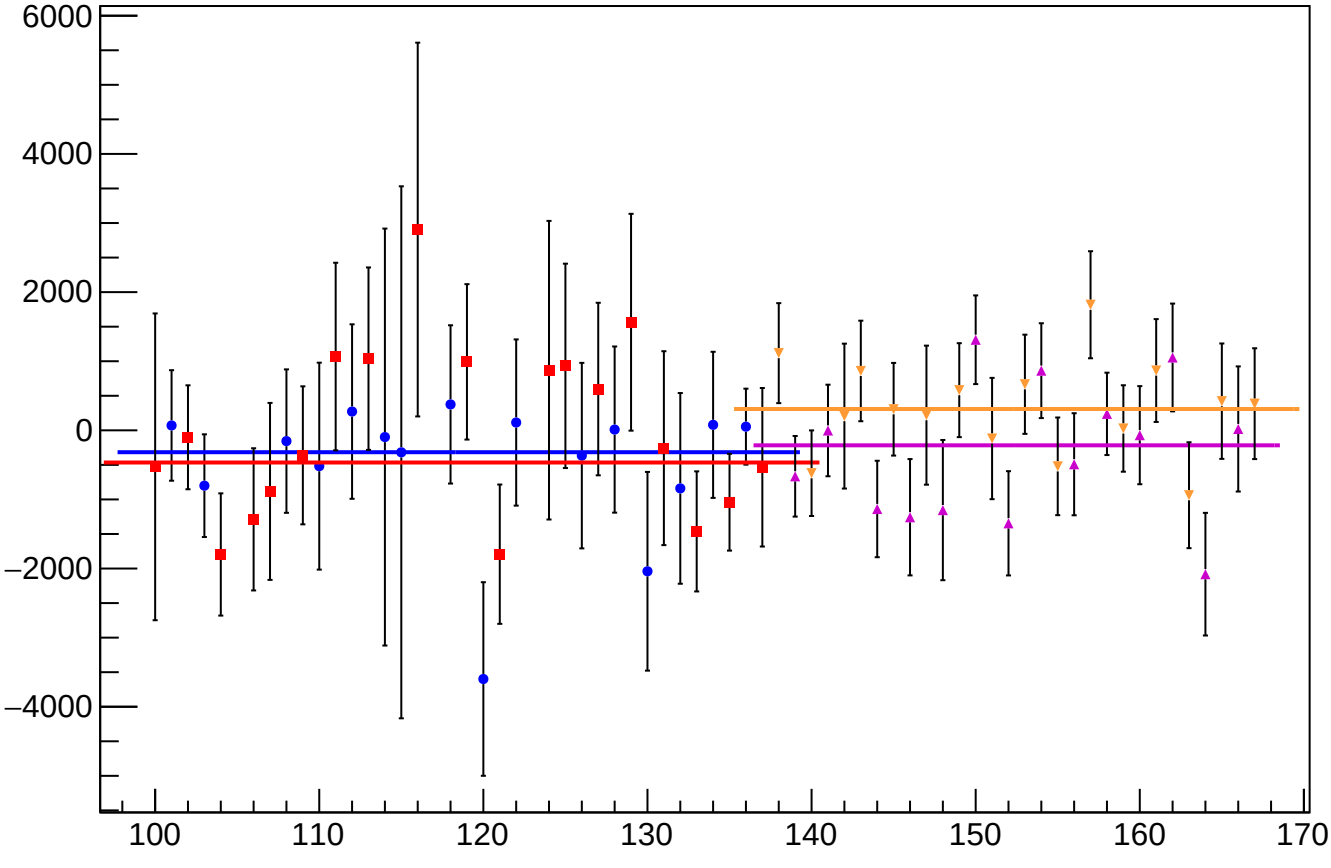
Left: 108.965+/-0.016 χ^2/NDF: 497934.5/29

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 104.730+/-0.017 χ^2/NDF:512524.9/29

Out: 103.136+/-0.016 χ^2/NDF:475943.1/34

All: 103.892+/-0.012 χ^2/NDF: 992976.7/64



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 308.615+/-186.805 χ^2/NDF:13.4/15

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -216.845+/-193.424 χ^2/NDF:23.1/13

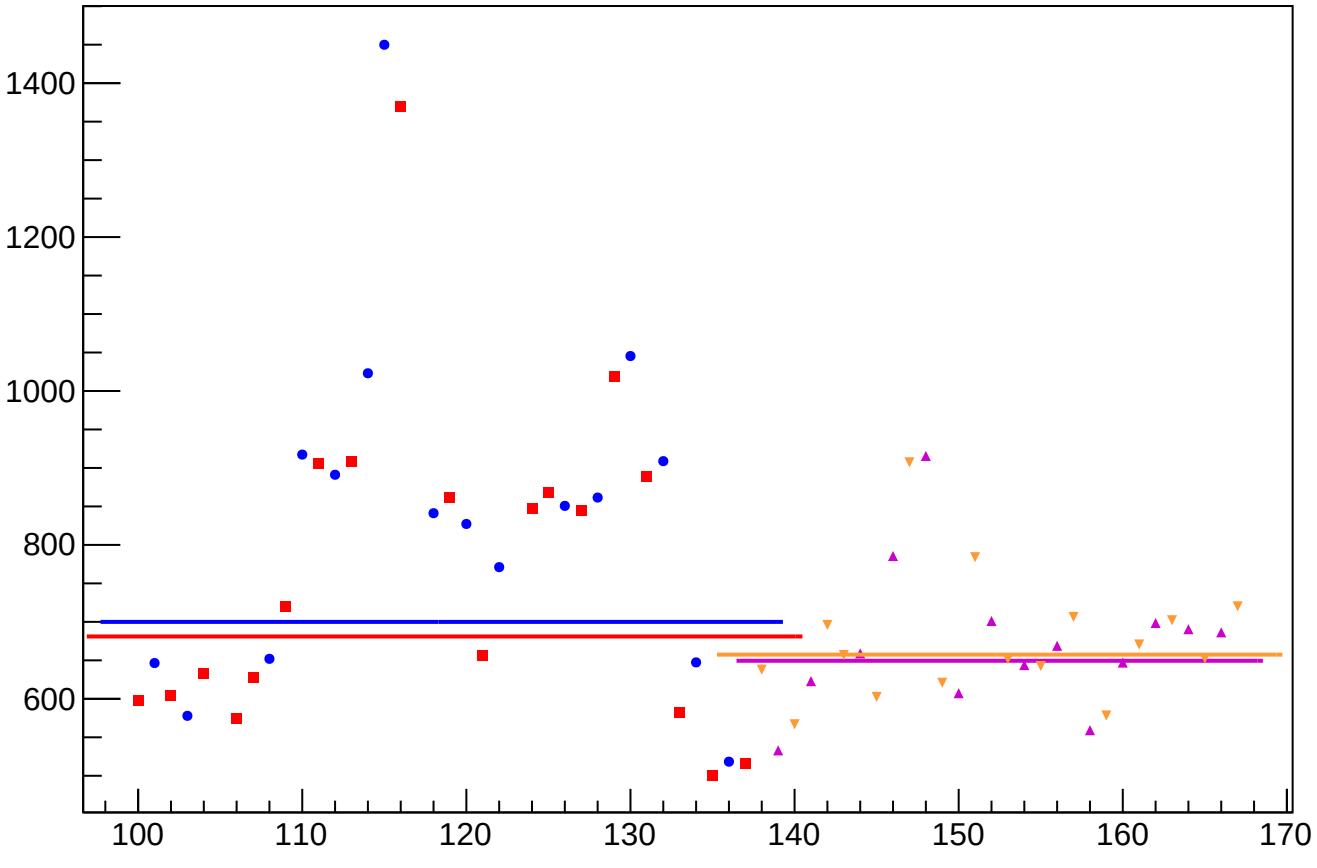
Left: 55.030+/-134.370 χ^2/NDF: 40.3/29

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -251.081+/-156.744 χ^2/NDF:32.4/29

Out: 40.498+/-151.033 χ^2/NDF:35.8/34

All: -99.883+/-108.759 χ^2/NDF: 69.9/64



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 657.409+/-0.132 χ^2/NDF:291751.3/15

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 649.447+/-0.137 χ^2/NDF:354143.7/13

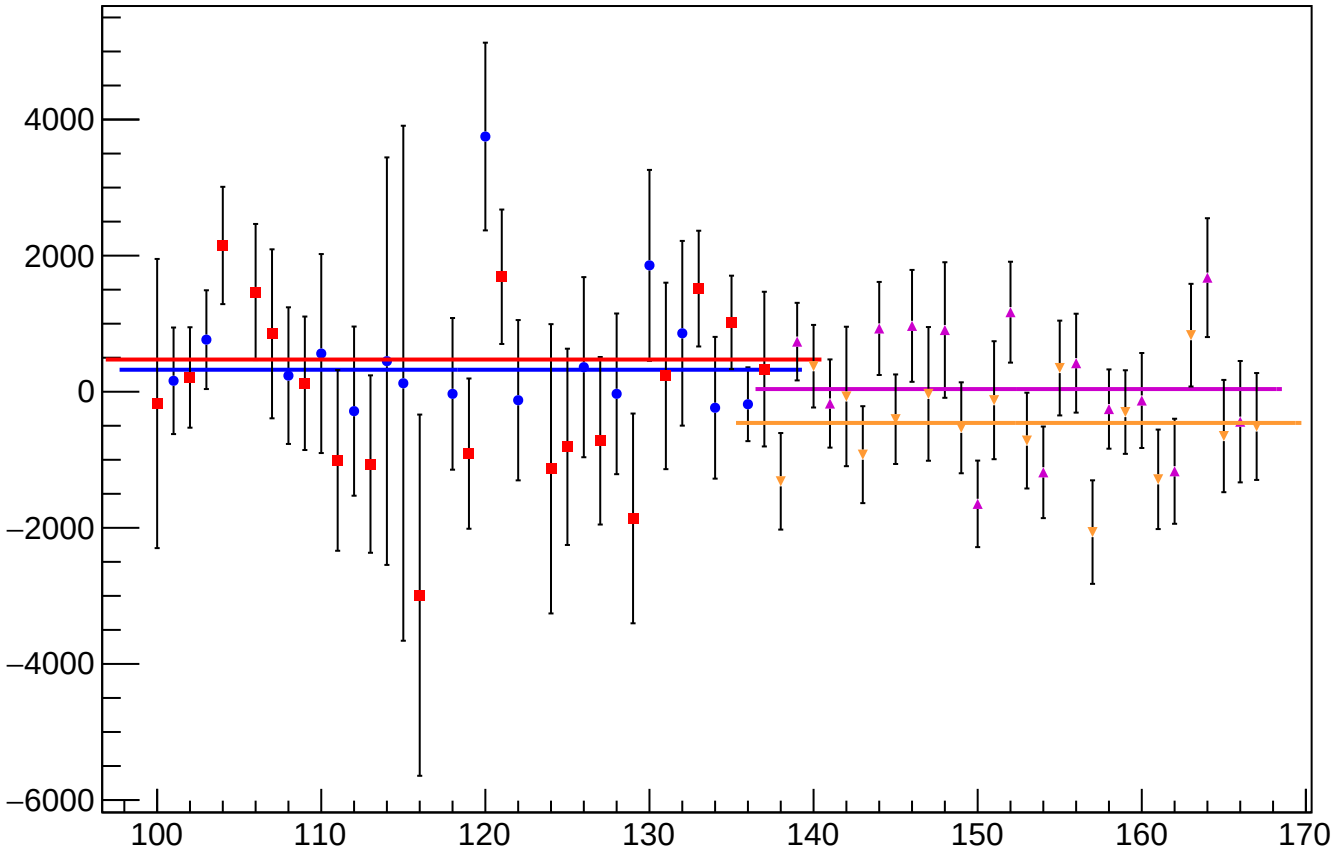
Left: 653.567+/-0.095 χ^2/NDF: 647648.0/29

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 666.793+/-0.111 χ^2/NDF:1154659.7/29

Out: 665.584+/-0.107 χ^2/NDF:1072212.4/34

All: 666.166+/-0.077 χ^2/NDF: 2226933.8/64



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -458.414+/-183.439 χ^2/NDF:14.5/15

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 39.286+/-189.914 χ^2/NDF:24.8/13

Left: -218.193+/-131.941 χ^2/NDF: 42.9/29

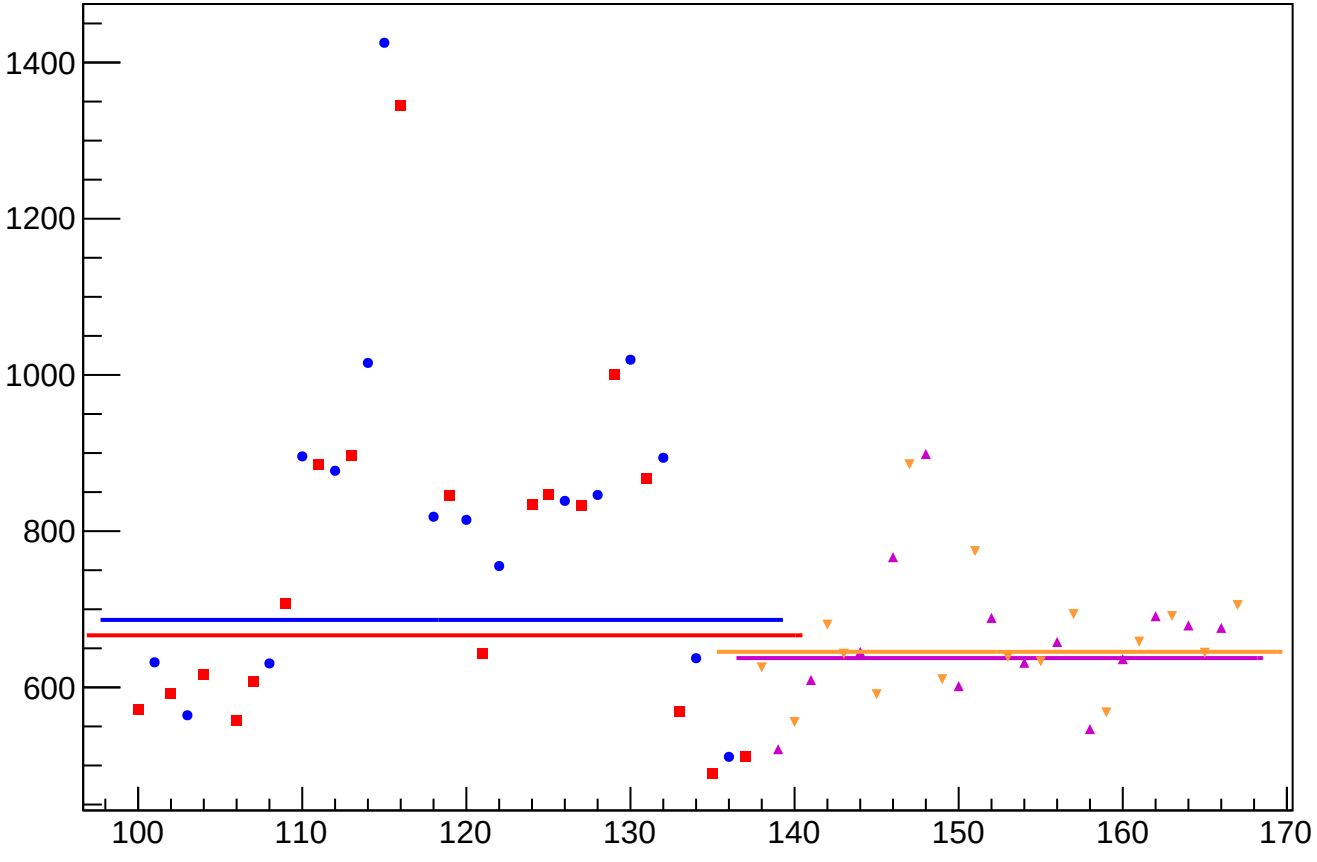
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 136.916+/-153.834 χ^2/NDF:35.3/29

Out: -134.609+/-148.170 χ^2/NDF:42.9/34

All: -3.937+/-106.718 χ^2/NDF: 79.8/64

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 645.501+/-0.130 χ^2/NDF:290952.3/15

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 637.497+/-0.134 χ^2/NDF:359351.6/13

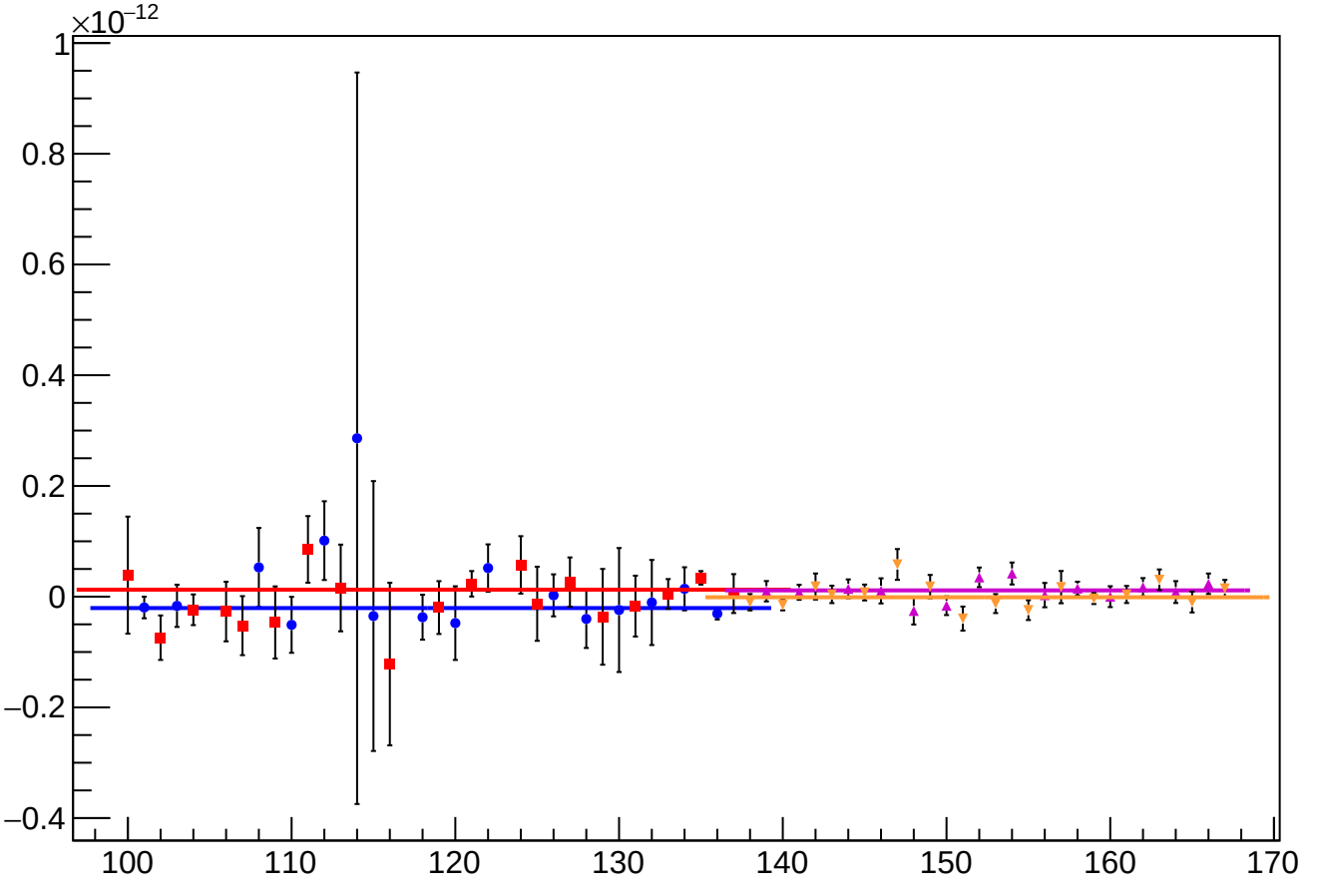
Left: 641.638+/-0.093 χ^2/NDF: 652141.6/29

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 654.312+/-0.109 χ^2/NDF:1154397.3/29

Out: 652.846+/-0.105 χ^2/NDF:1077212.2/34

All: 653.551+/-0.075 χ^2/NDF: 2231703.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/13

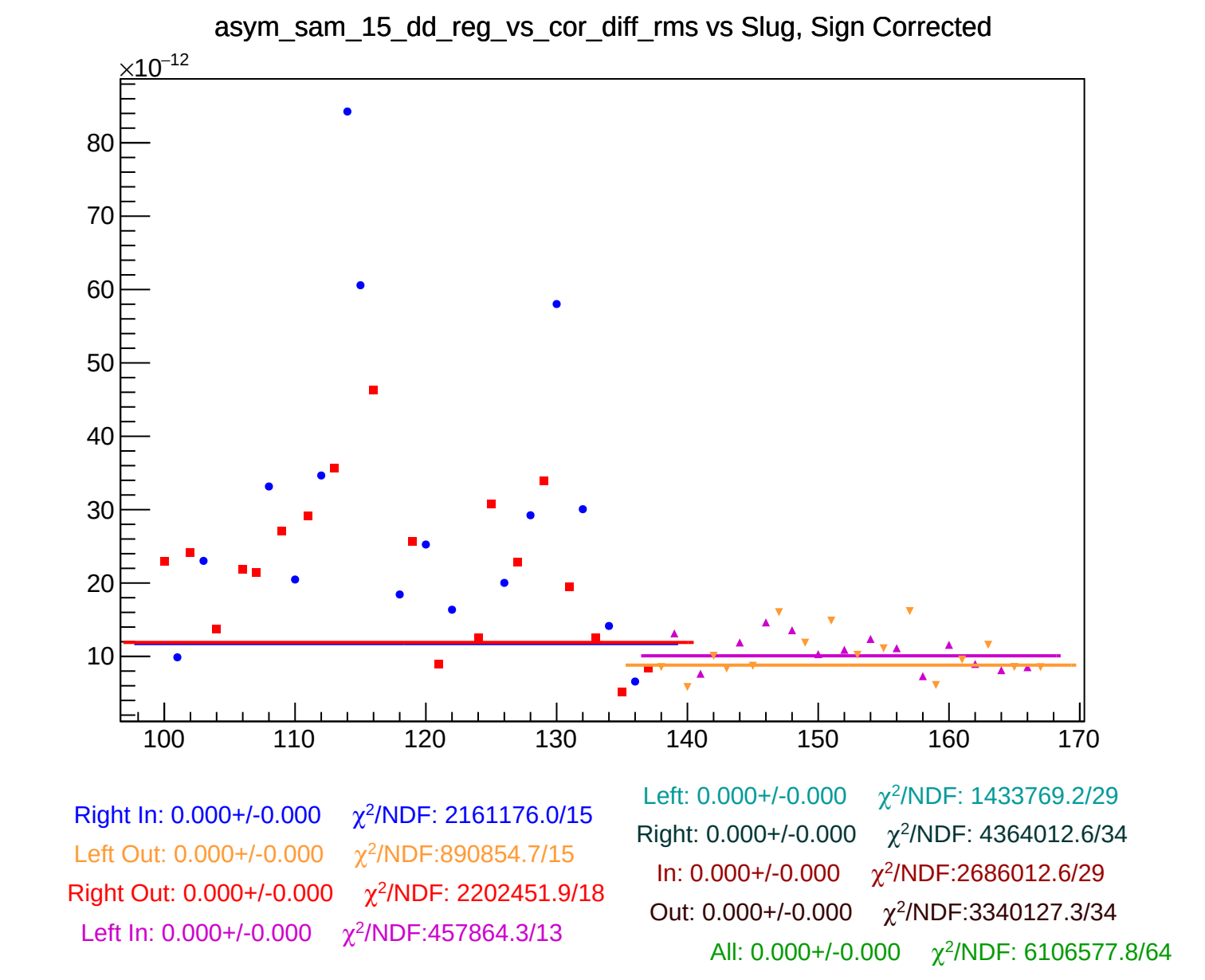
Left: 0.000+/-0.000 χ^2/NDF: 33.1/29

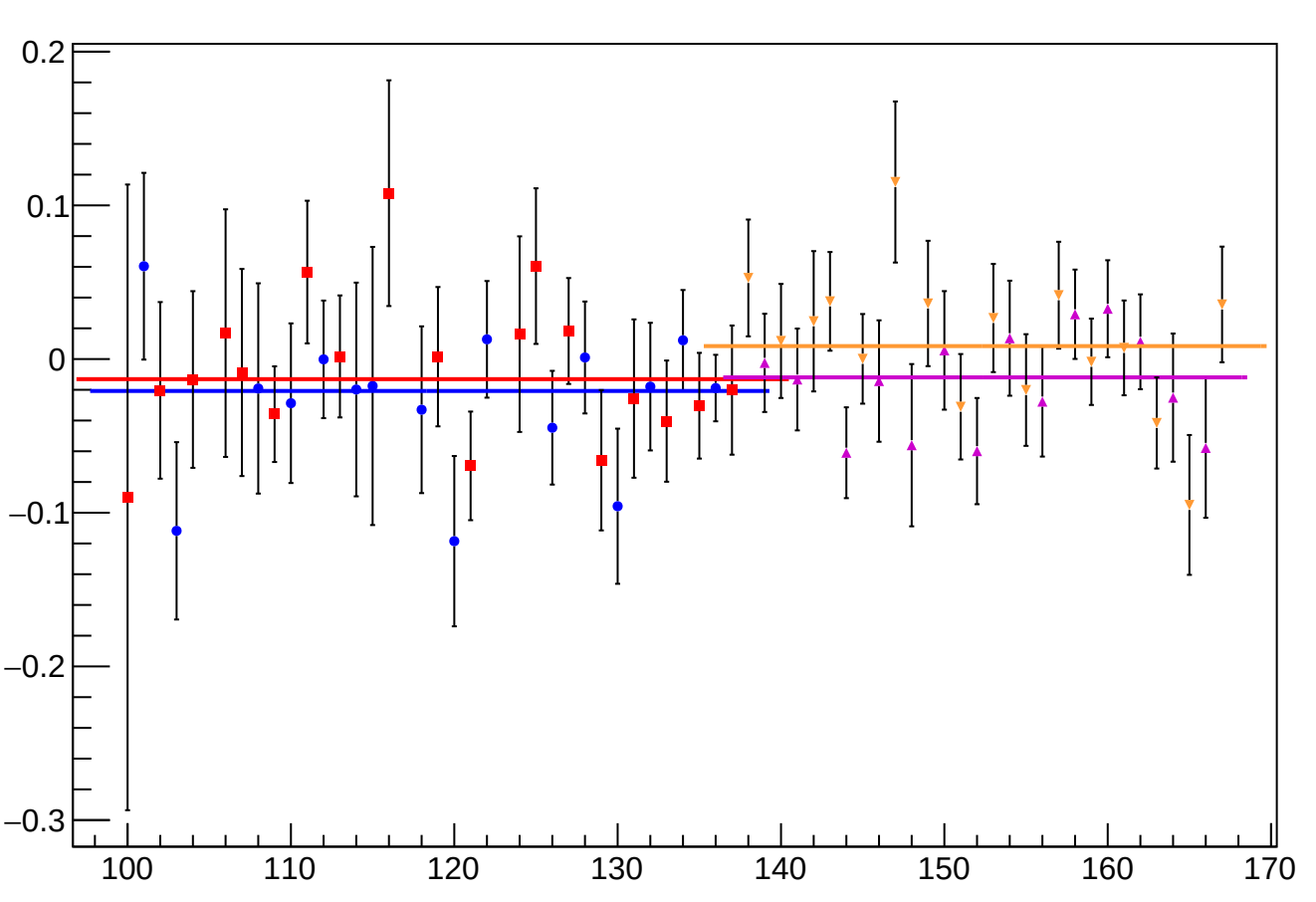
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:32.6/29

Out: 0.000+/-0.000 χ^2/NDF:38.2/34

All: 0.000+/-0.000 χ^2/NDF: 70.8/64


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:890854.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:457864.3/13
Left: 0.000+/-0.000 χ²/NDF: 1433769.2/29
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2686012.6/29
Out: 0.000+/-0.000 χ²/NDF:3340127.3/34
All: 0.000+/-0.000 χ²/NDF: 6106577.8/64



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.008+/-0.009 χ^2/NDF:18.8/15

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.009 χ^2/NDF:12.0/13

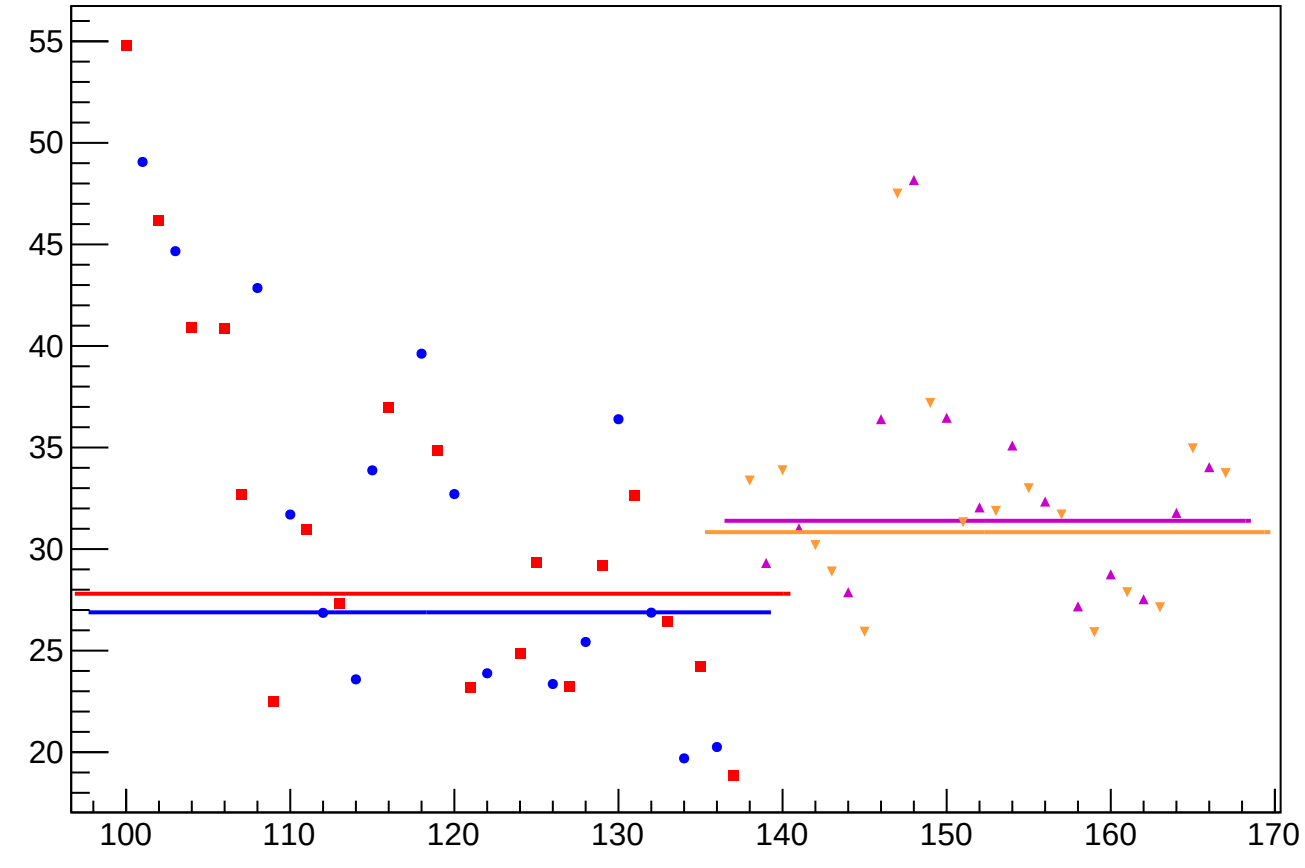
Left: -0.001+/-0.006 χ^2/NDF: 33.3/29

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:25.0/29

Out: -0.000+/-0.007 χ^2/NDF:35.1/34

All: -0.008+/-0.005 χ^2/NDF: 62.6/64



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.834+/-0.006 χ^2/NDF:487445.5/15

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.393+/-0.007 χ^2/NDF:421662.0/13

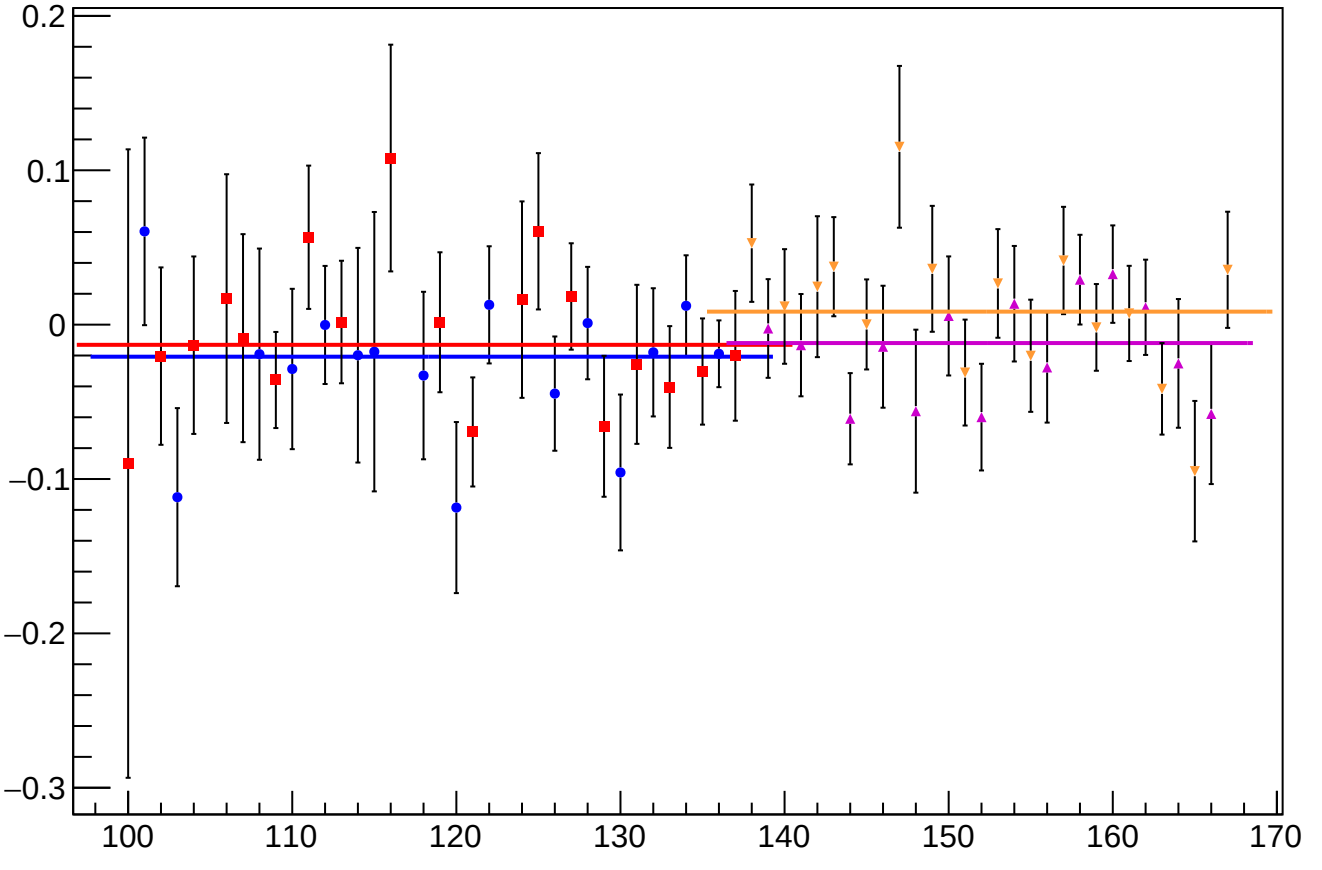
Left: 31.096+/-0.005 χ^2/NDF: 912882.4/29

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.392+/-0.005 χ^2/NDF:1746765.3/29

Out: 29.588+/-0.005 χ^2/NDF:1348020.4/34

All: 29.493+/-0.003 χ^2/NDF: 3095596.6/64



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.008+/-0.009 χ^2/NDF:18.8/15

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.009 χ^2/NDF:12.0/13

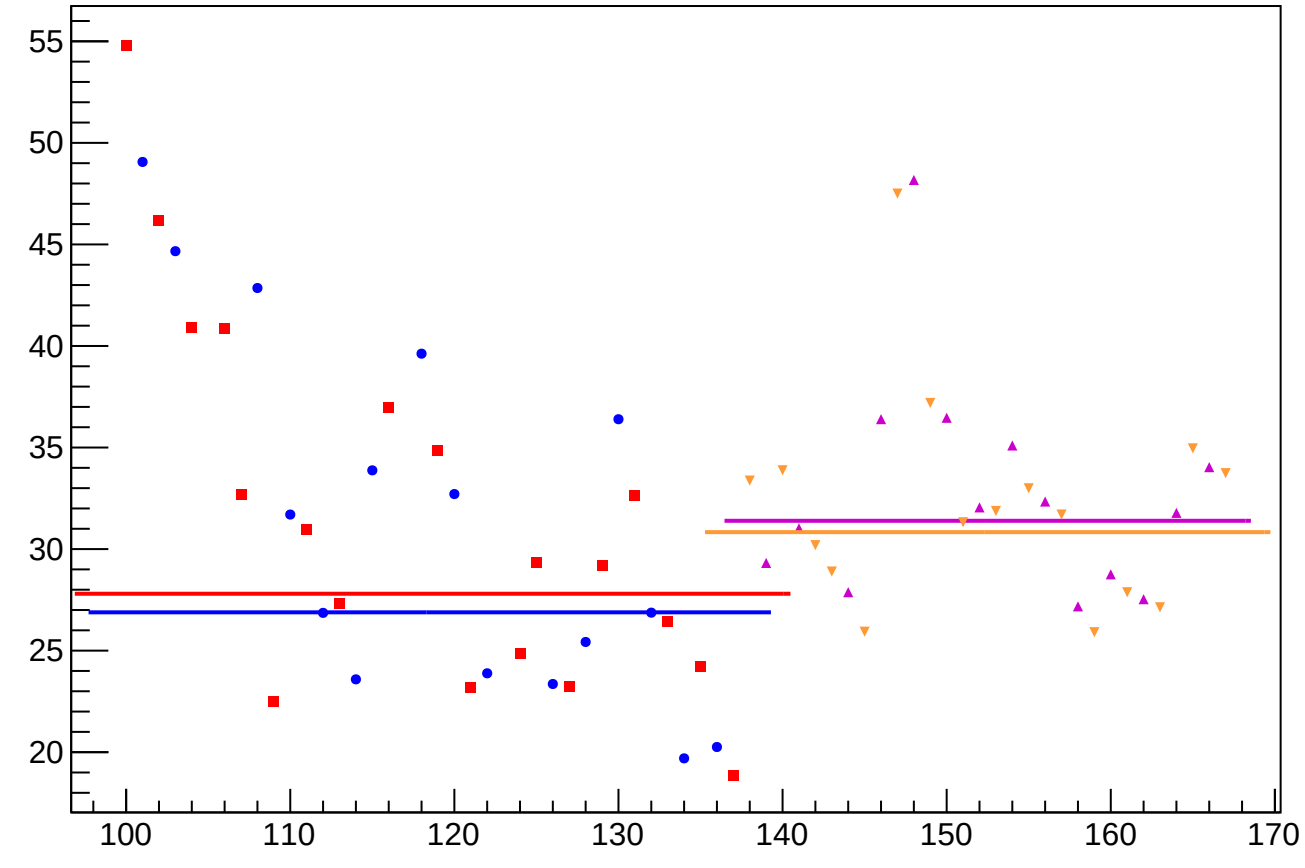
Left: -0.001+/-0.006 χ^2/NDF: 33.3/29

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:25.0/29

Out: -0.000+/-0.007 χ^2/NDF:35.1/34

All: -0.008+/-0.005 χ^2/NDF: 62.6/64



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.834+/-0.006 χ^2/NDF:487445.5/15

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.393+/-0.007 χ^2/NDF:421662.0/13

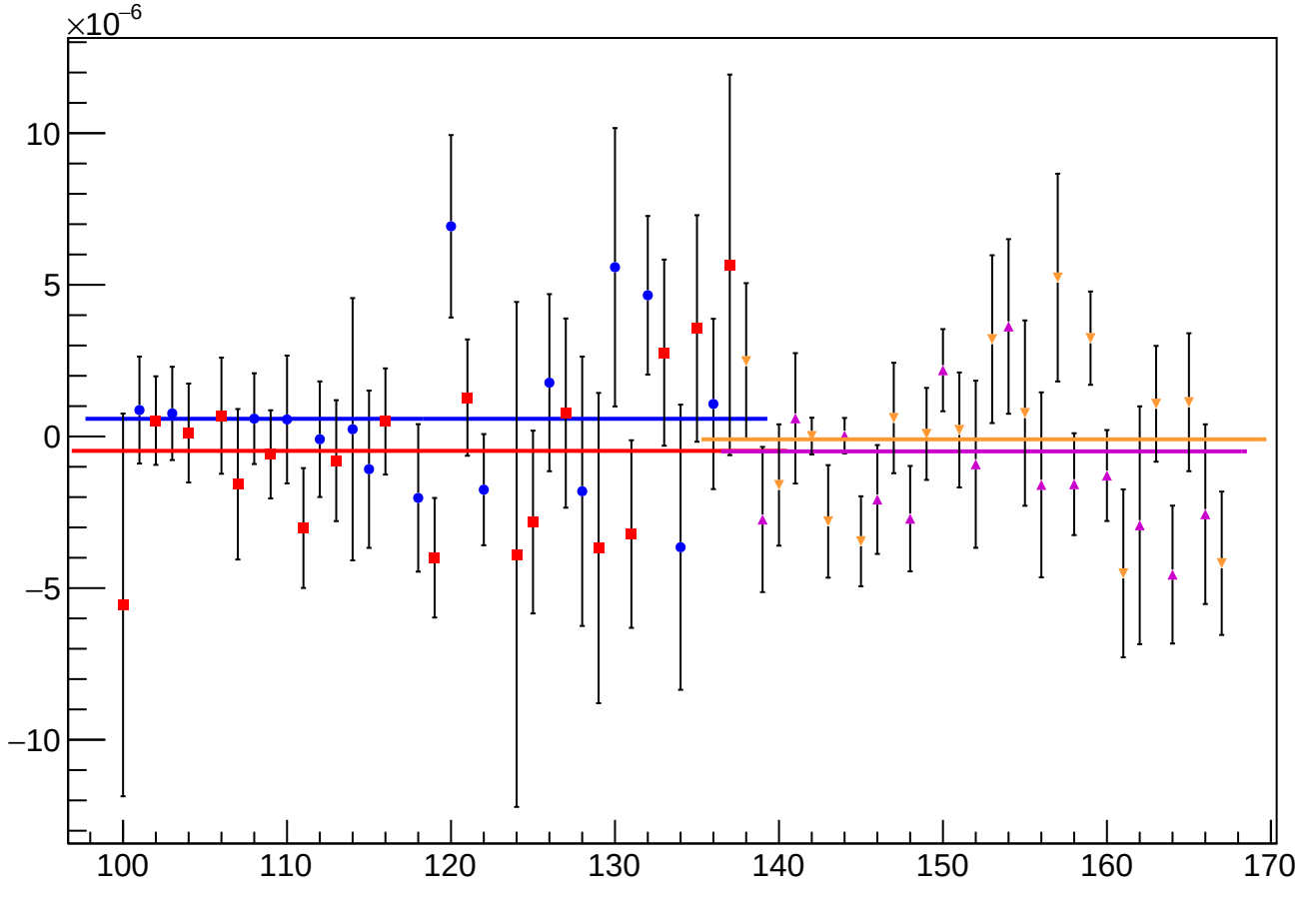
Left: 31.096+/-0.005 χ^2/NDF: 912882.4/29

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.392+/-0.005 χ^2/NDF:1746765.3/29

Out: 29.588+/-0.005 χ^2/NDF:1348020.4/34

All: 29.493+/-0.003 χ^2/NDF: 3095596.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/13

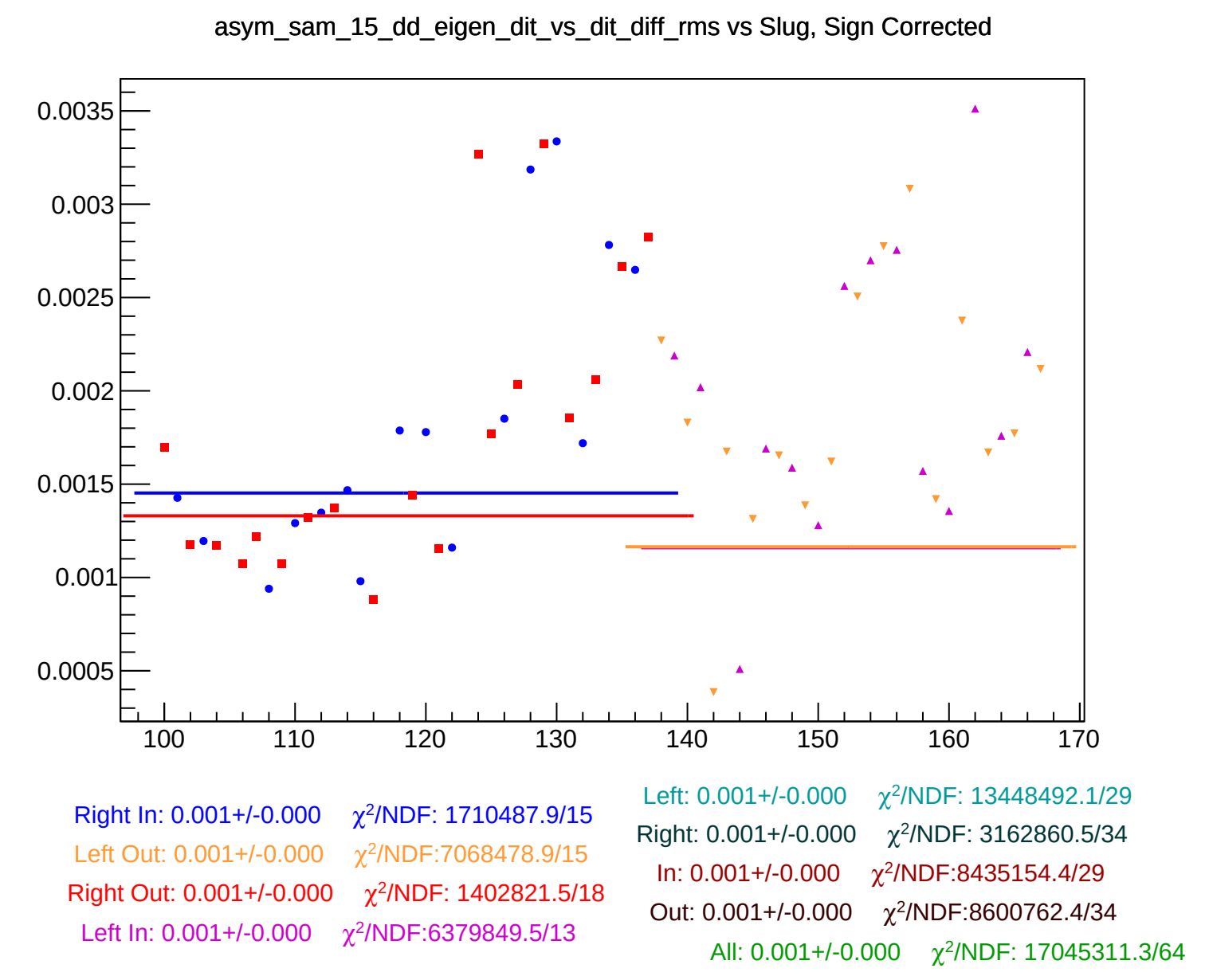
Left: -0.000+/-0.000 χ^2/NDF: 39.6/29

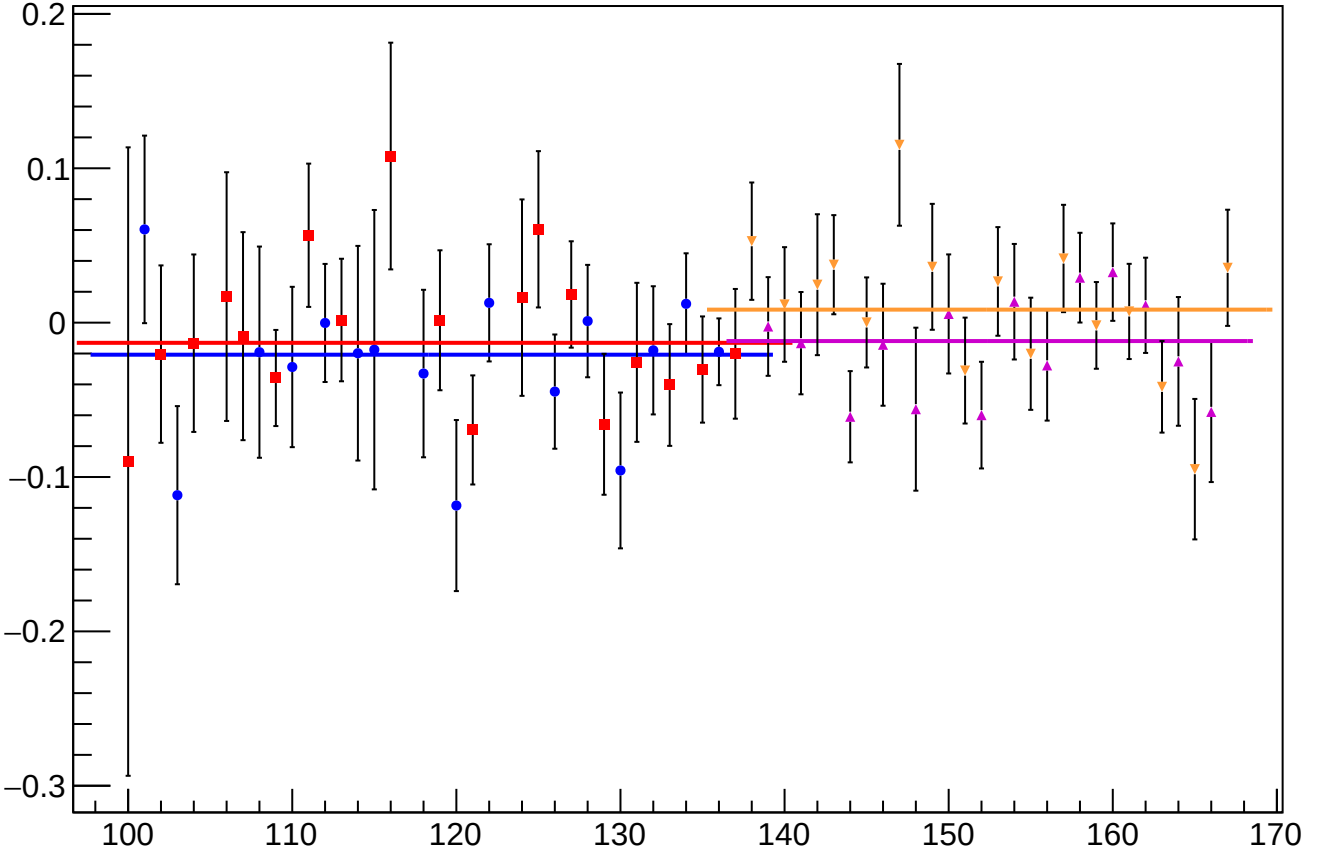
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:30.2/29

Out: -0.000+/-0.000 χ^2/NDF:37.4/34

All: -0.000+/-0.000 χ^2/NDF: 67.7/64


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:7068478.9/15
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6379849.5/13
Left: 0.001+/-0.000 χ²/NDF: 13448492.1/29
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:8435154.4/29
Out: 0.001+/-0.000 χ²/NDF:8600762.4/34
All: 0.001+/-0.000 χ²/NDF: 17045311.3/64



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.008+/-0.009 χ^2/NDF:18.8/15

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.009 χ^2/NDF:12.0/13

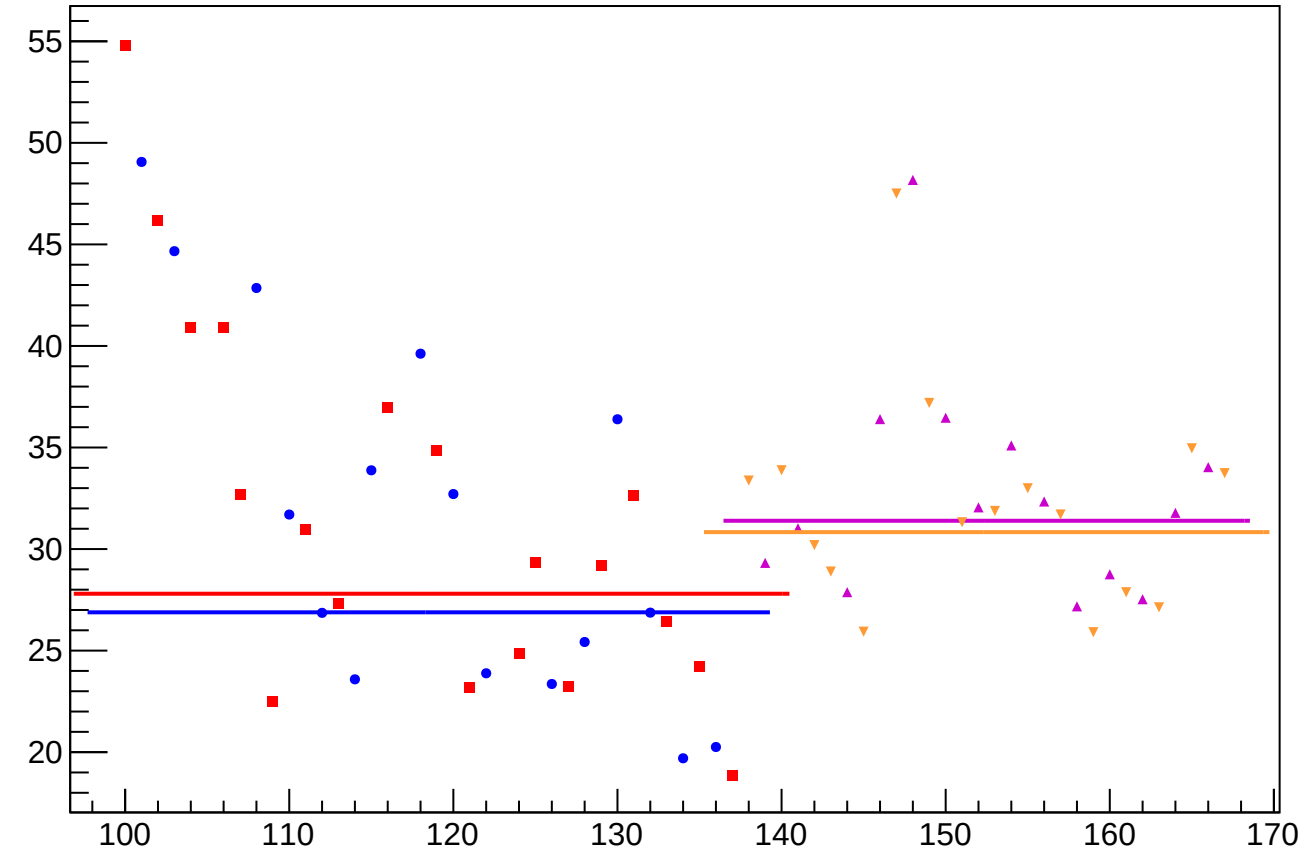
Left: -0.001+/-0.006 χ^2/NDF: 33.3/29

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:25.0/29

Out: -0.000+/-0.007 χ^2/NDF:35.1/34

All: -0.008+/-0.005 χ^2/NDF: 62.6/64



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.834+/-0.006 χ^2/NDF:487560.5/15

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.393+/-0.007 χ^2/NDF:421760.8/13

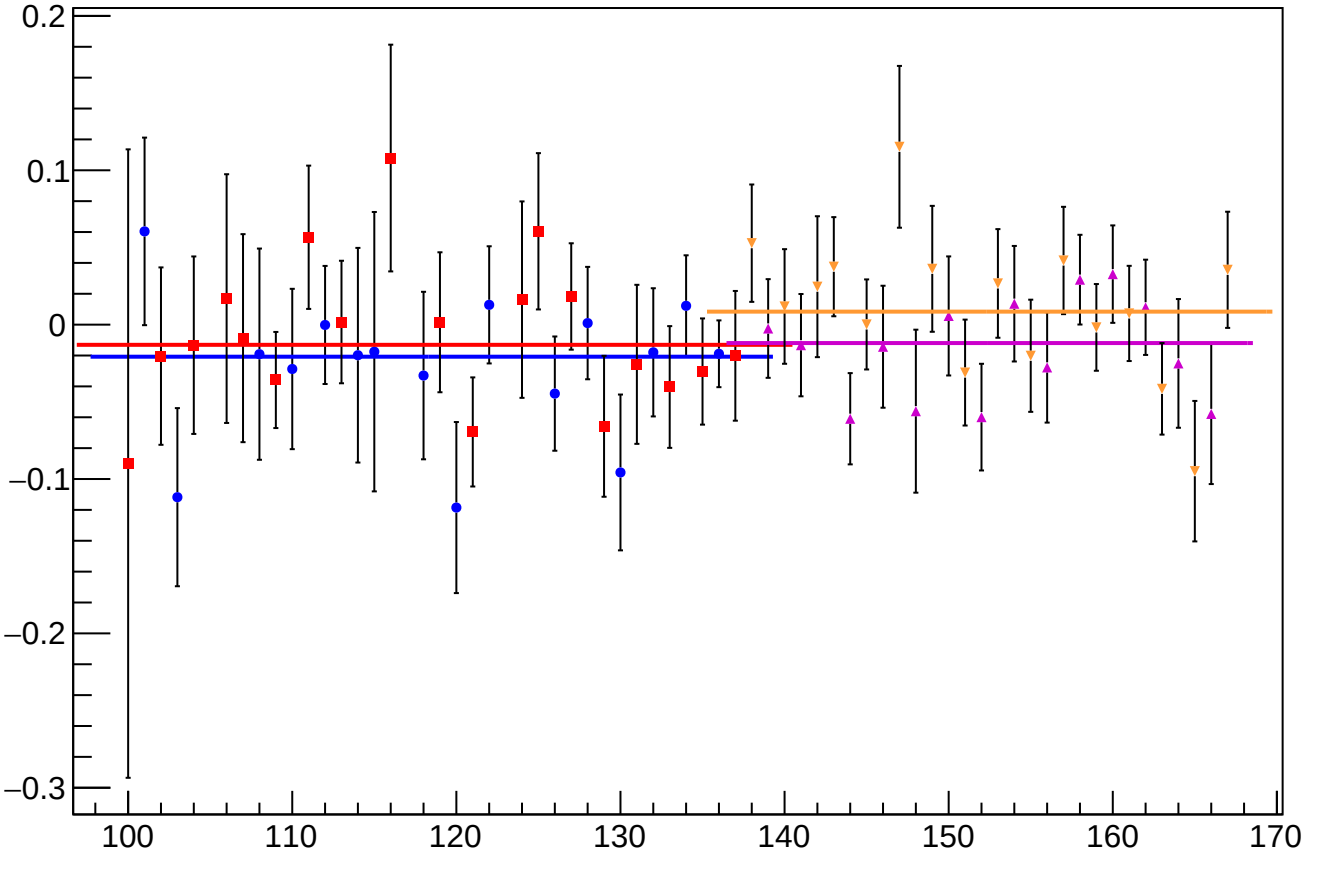
Left: 31.096+/-0.005 χ^2/NDF: 913096.6/29

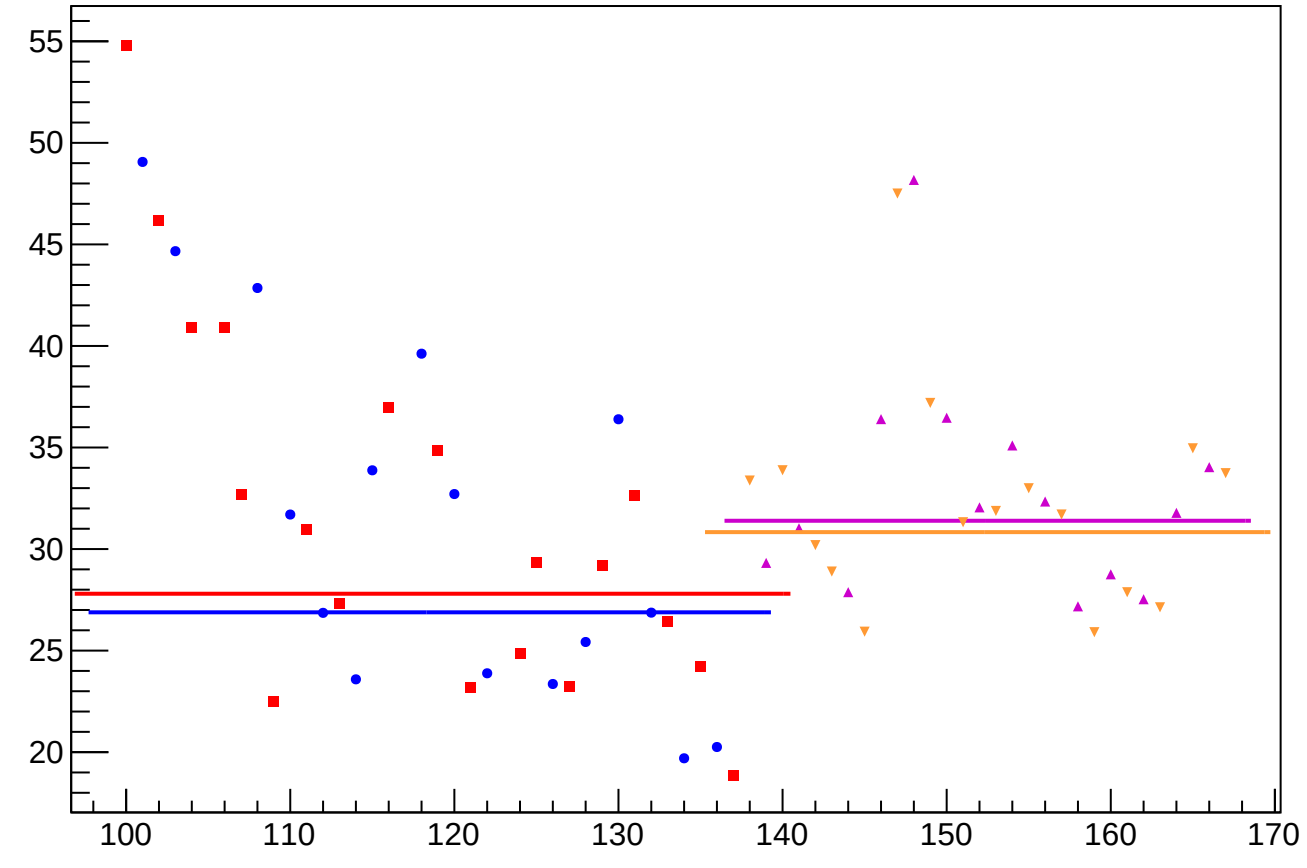
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.391+/-0.005 χ^2/NDF:1746948.9/29

Out: 29.587+/-0.005 χ^2/NDF:1348323.8/34

All: 29.493+/-0.003 χ^2/NDF: 3096082.1/64


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.008+/-0.009 χ²/NDF:18.8/15
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.012+/-0.009 χ²/NDF:12.0/13
Left: -0.001+/-0.006 χ²/NDF: 33.3/29
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.016+/-0.007 χ²/NDF:25.0/29
Out: -0.000+/-0.007 χ²/NDF:35.1/34
All: -0.008+/-0.005 χ²/NDF: 62.6/64



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.834+/-0.006 χ^2/NDF:487560.5/15

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.393+/-0.007 χ^2/NDF:421760.8/13

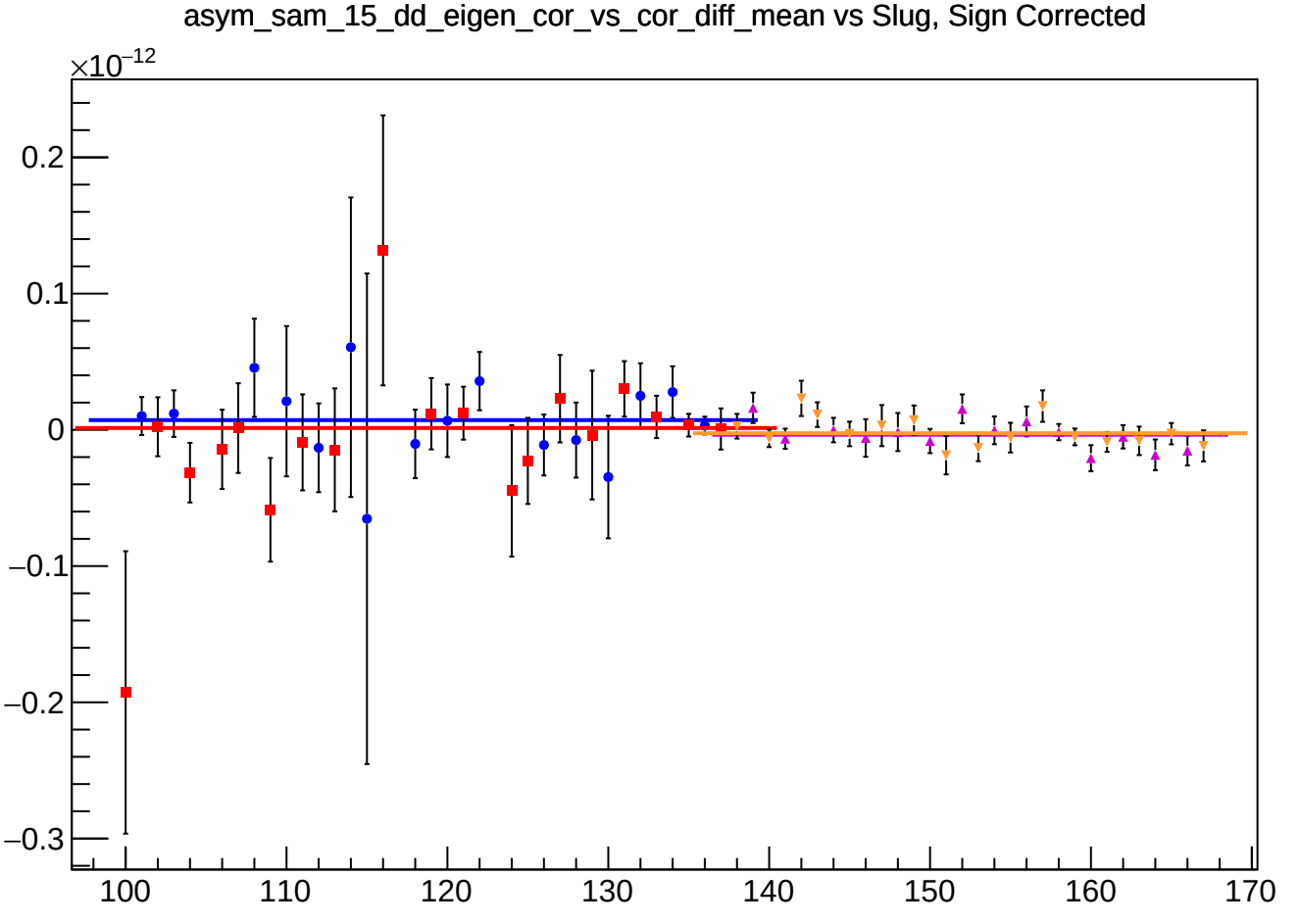
Left: 31.096+/-0.005 χ^2/NDF: 913096.6/29

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

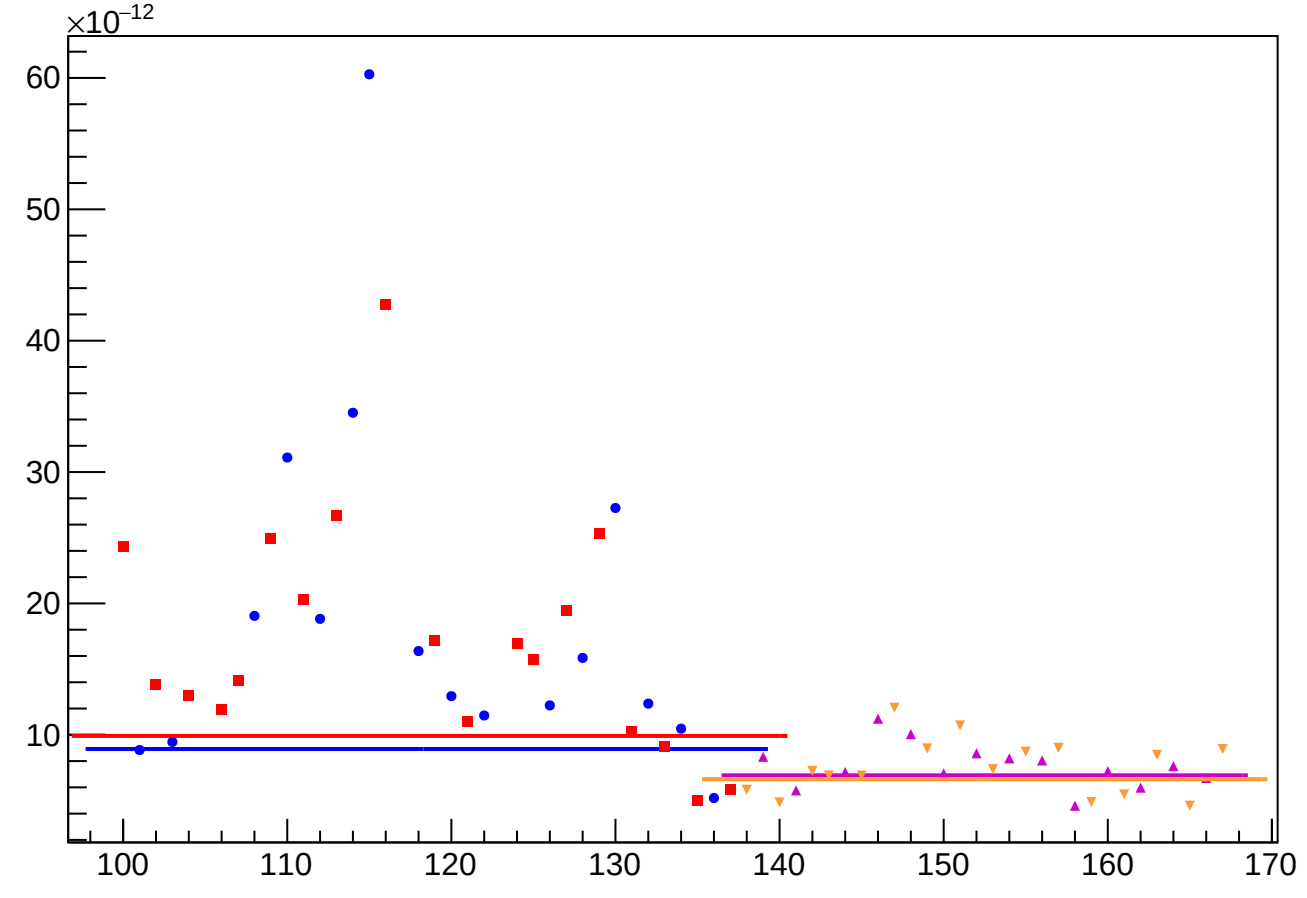
In: 29.391+/-0.005 χ^2/NDF:1746948.9/29

Out: 29.587+/-0.005 χ^2/NDF:1348323.8/34

All: 29.493+/-0.003 χ^2/NDF: 3096082.1/64


asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:15.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 15.2/18
Left In: -0.000+/-0.000 χ²/NDF:14.1/13
Left: -0.000+/-0.000 χ²/NDF: 29.5/29
Right: 0.000+/-0.000 χ²/NDF: 24.3/34
In: -0.000+/-0.000 χ²/NDF:26.7/29
Out: -0.000+/-0.000 χ²/NDF:31.0/34
All: -0.000+/-0.000 χ²/NDF: 57.7/64

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1359207.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:816545.8/13

Left: 0.000+/-0.000 χ^2/NDF: 2191251.2/29

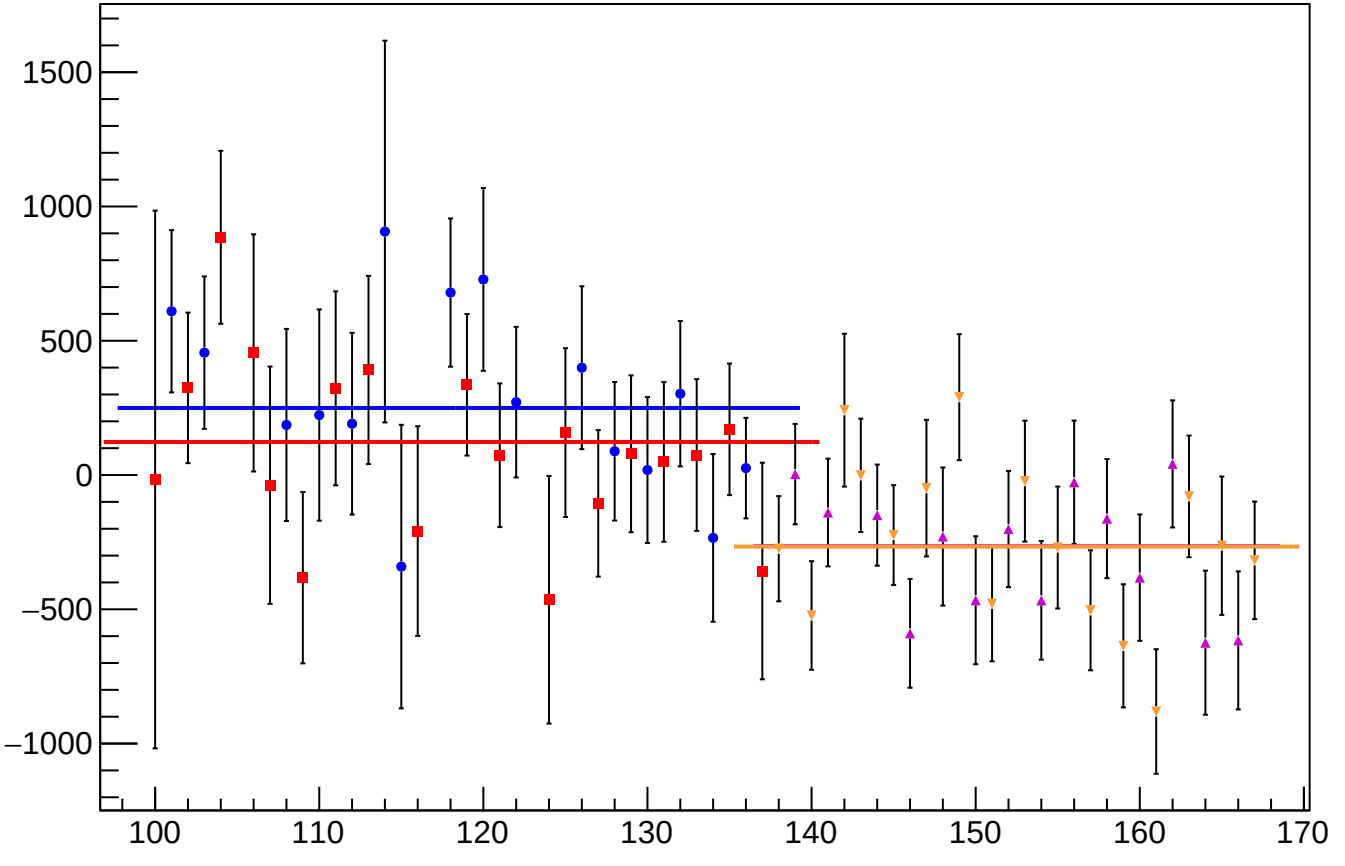
Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3512996.0/29

Out: 0.000+/-0.000 χ^2/NDF:4760517.8/34

All: 0.000+/-0.000 χ^2/NDF: 8280645.4/64

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -266.471+/-55.739 χ^2/NDF:26.4/15

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -264.844+/-59.240 χ^2/NDF:13.9/13

Left: -265.707+/-40.595 χ^2/NDF: 40.3/29

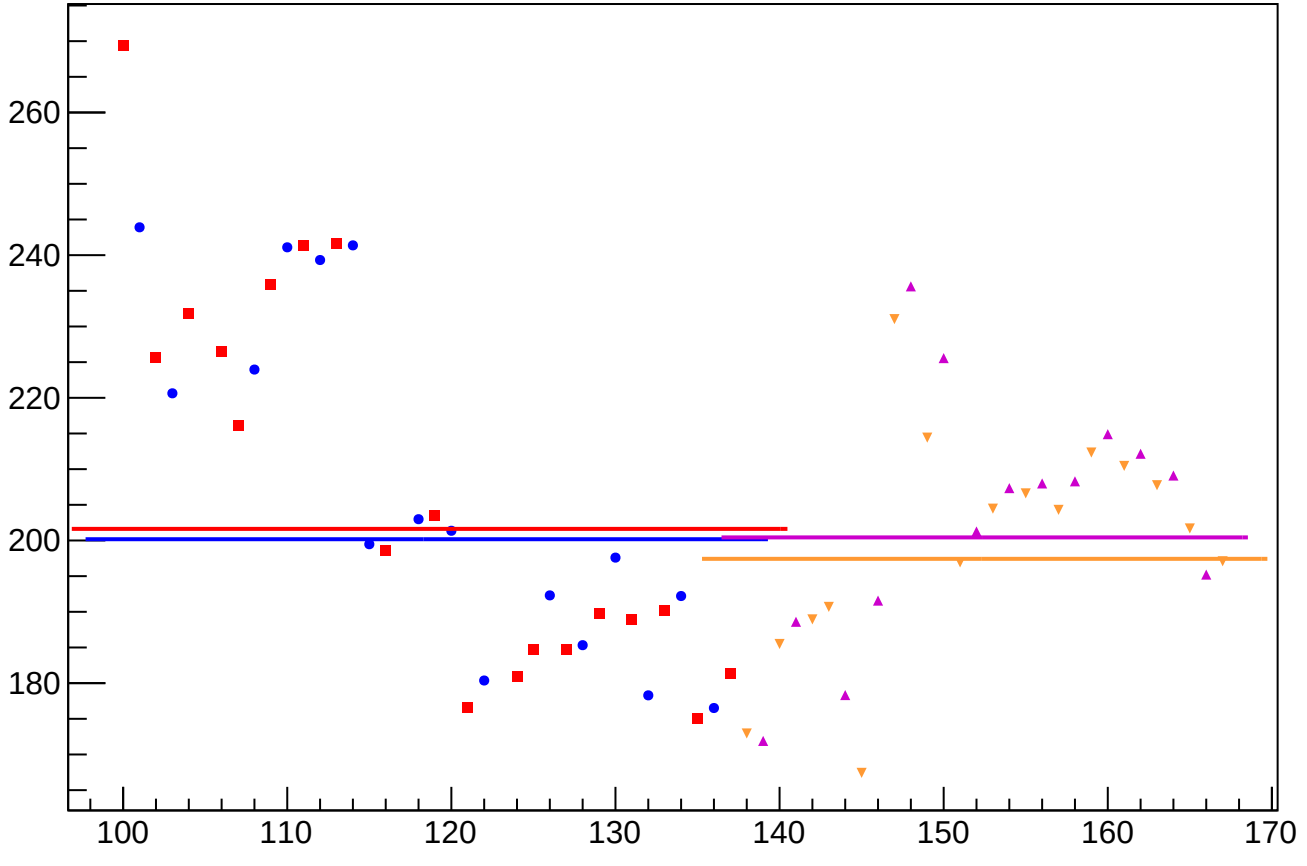
Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -66.735+/-46.458 χ^2/NDF:56.7/29

Out: -126.388+/-44.602 χ^2/NDF:59.5/34

All: -97.777+/-32.175 χ^2/NDF: 117.1/64

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.428+/-0.039 χ^2/NDF:166166.3/15

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.431+/-0.042 χ^2/NDF:166745.0/13

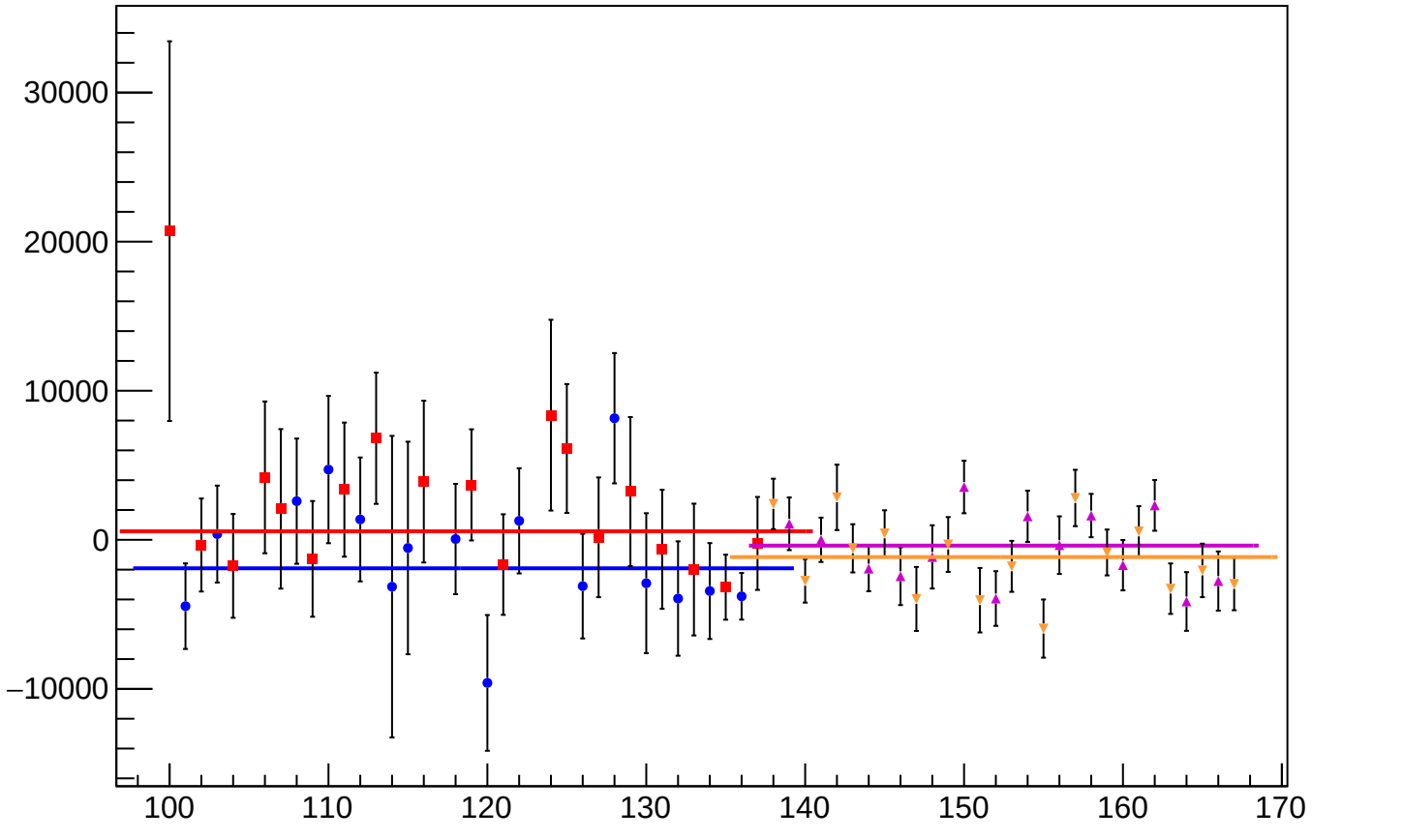
Left: 198.838+/-0.029 χ^2/NDF: 335637.9/29

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.333+/-0.033 χ^2/NDF:347760.6/29

Out: 198.938+/-0.032 χ^2/NDF:367494.7/34

All: 199.607+/-0.023 χ^2/NDF: 716193.6/64



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -1155.812+/-439.025 χ^2/NDF:28.4/15

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -388.760+/-466.212 χ^2/NDF:23.2/13

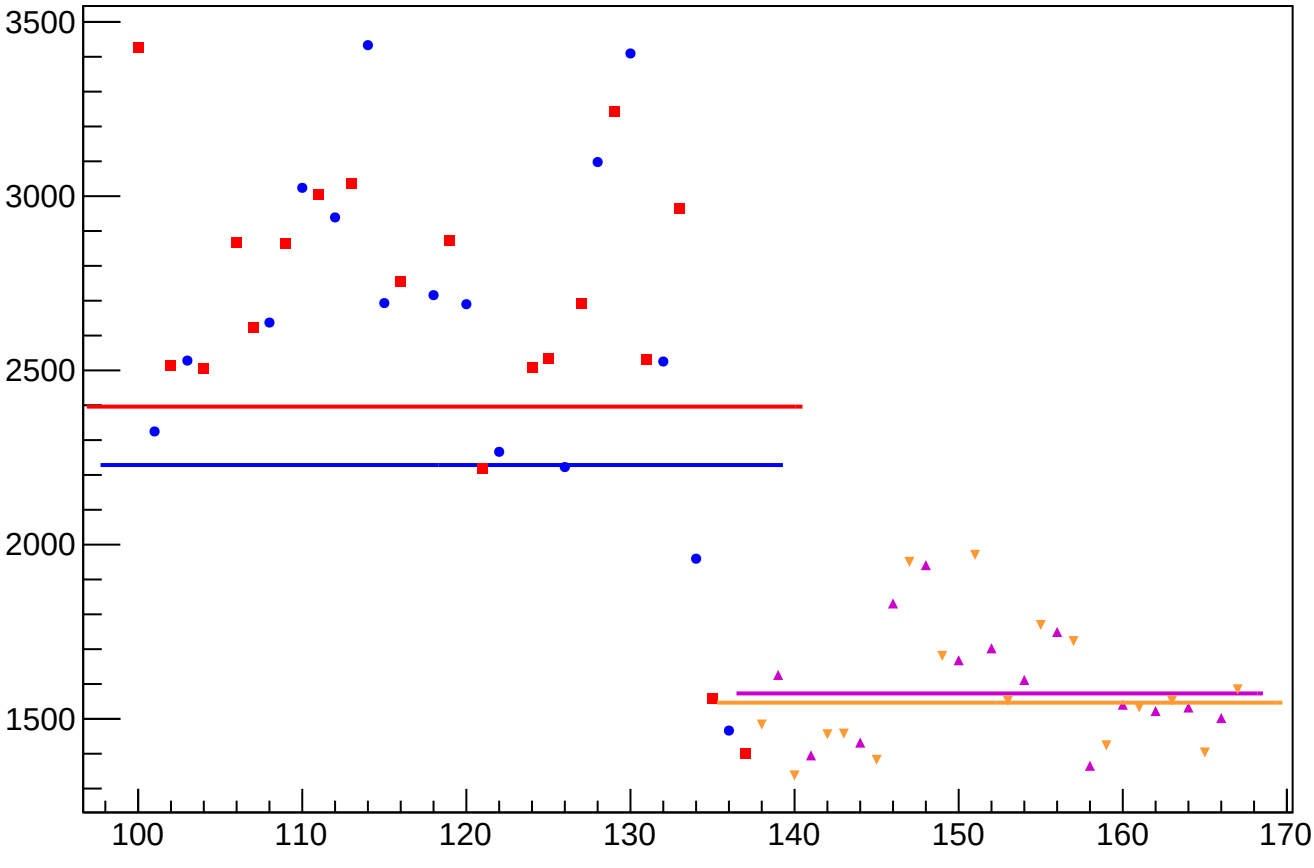
Left: -795.303+/-319.617 χ^2/NDF: 53.0/29

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -734.927+/-409.762 χ^2/NDF:41.8/29

Out: -824.172+/-394.619 χ^2/NDF:46.0/34

All: -781.229+/-284.241 χ^2/NDF: 87.8/64



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1546.562+/-0.310 χ^2/NDF:303919.2/15

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1573.015+/-0.330 χ^2/NDF:223403.6/13

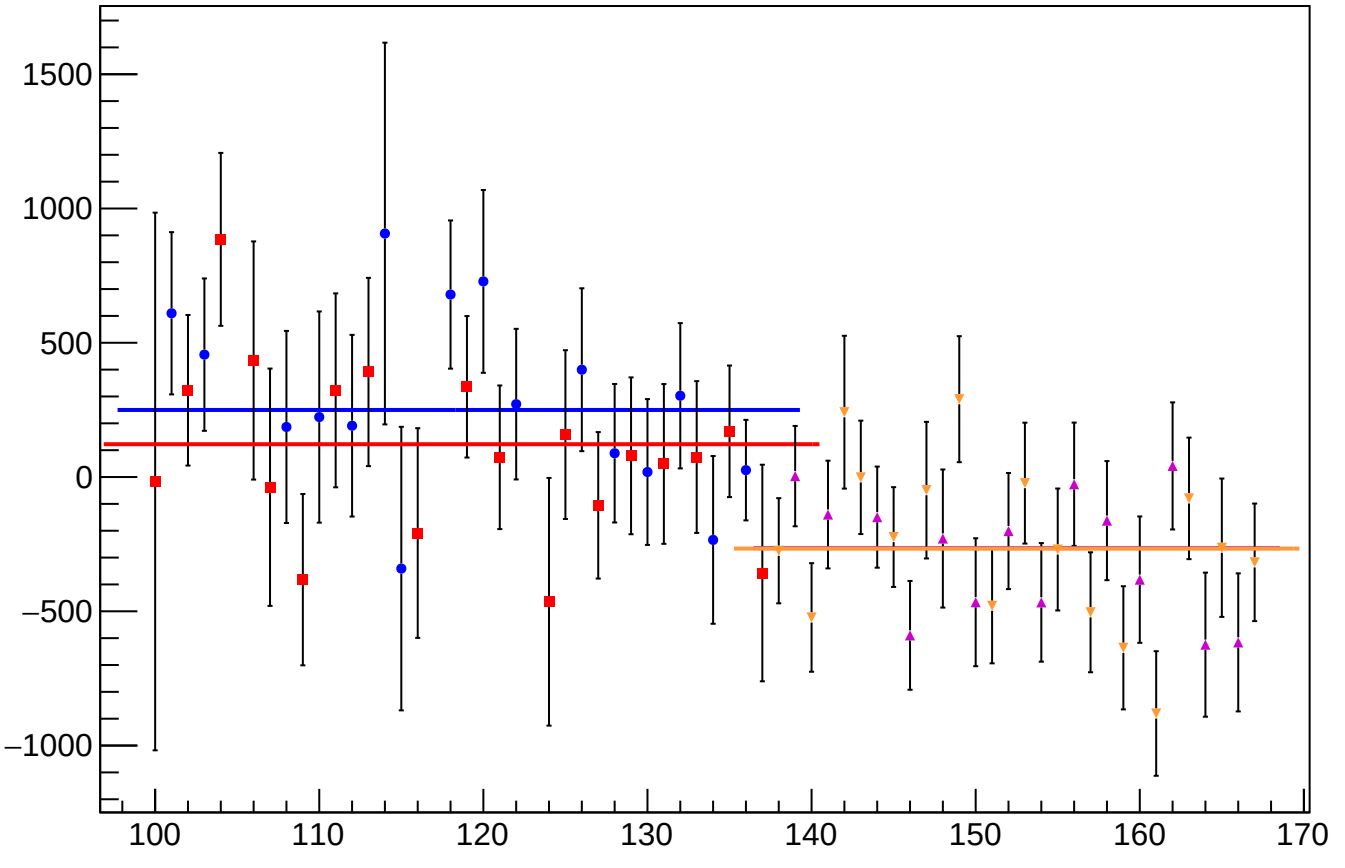
Left: 1558.995+/-0.226 χ^2/NDF: 530735.3/29

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1722.124+/-0.290 χ^2/NDF:2070321.0/29

Out: 1709.720+/-0.279 χ^2/NDF:2541608.1/34

All: 1715.689+/-0.201 χ^2/NDF: 4612879.9/64



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -266.465+/-55.739 χ^2/NDF:26.4/15

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -264.844+/-59.240 χ^2/NDF:13.9/13

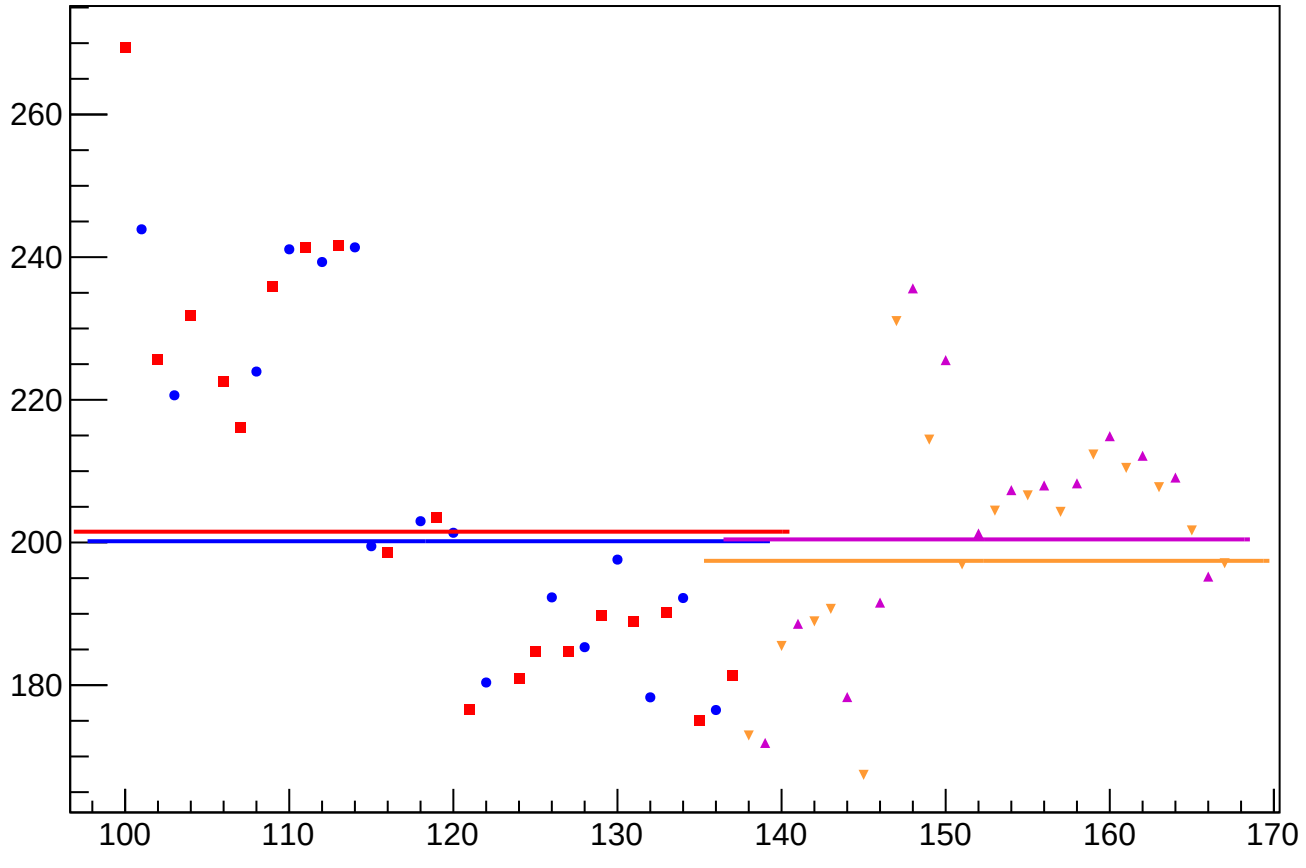
Left: -265.704+/-40.595 χ^2/NDF: 40.3/29

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -66.734+/-46.458 χ^2/NDF:56.7/29

Out: -126.691+/-44.604 χ^2/NDF:59.4/34

All: -97.933+/-32.176 χ^2/NDF: 117.0/64



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.428+/-0.039 χ^2/NDF:166166.3/15

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.431+/-0.042 χ^2/NDF:166745.0/13

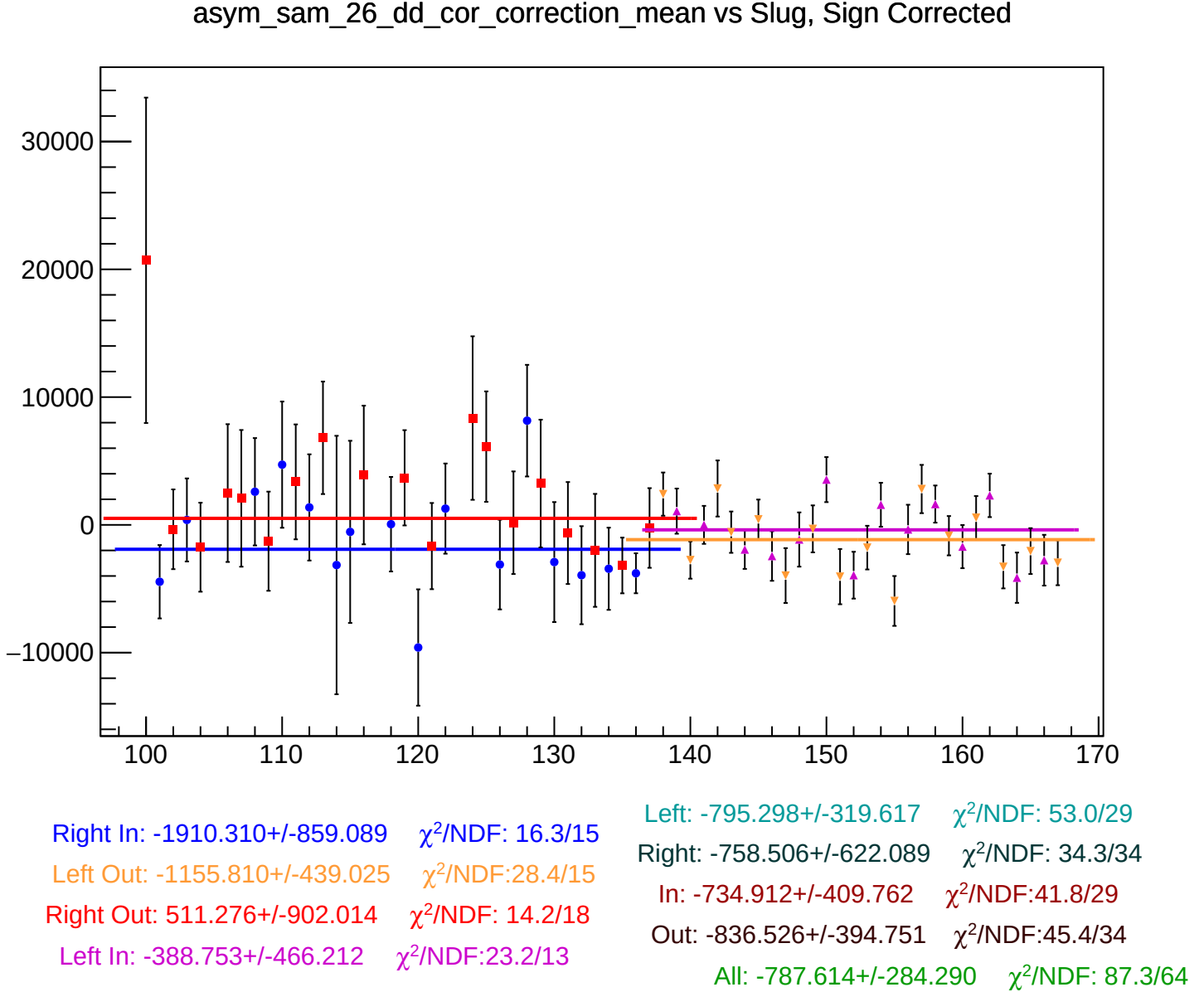
Left: 198.838+/-0.029 χ^2/NDF: 335637.9/29

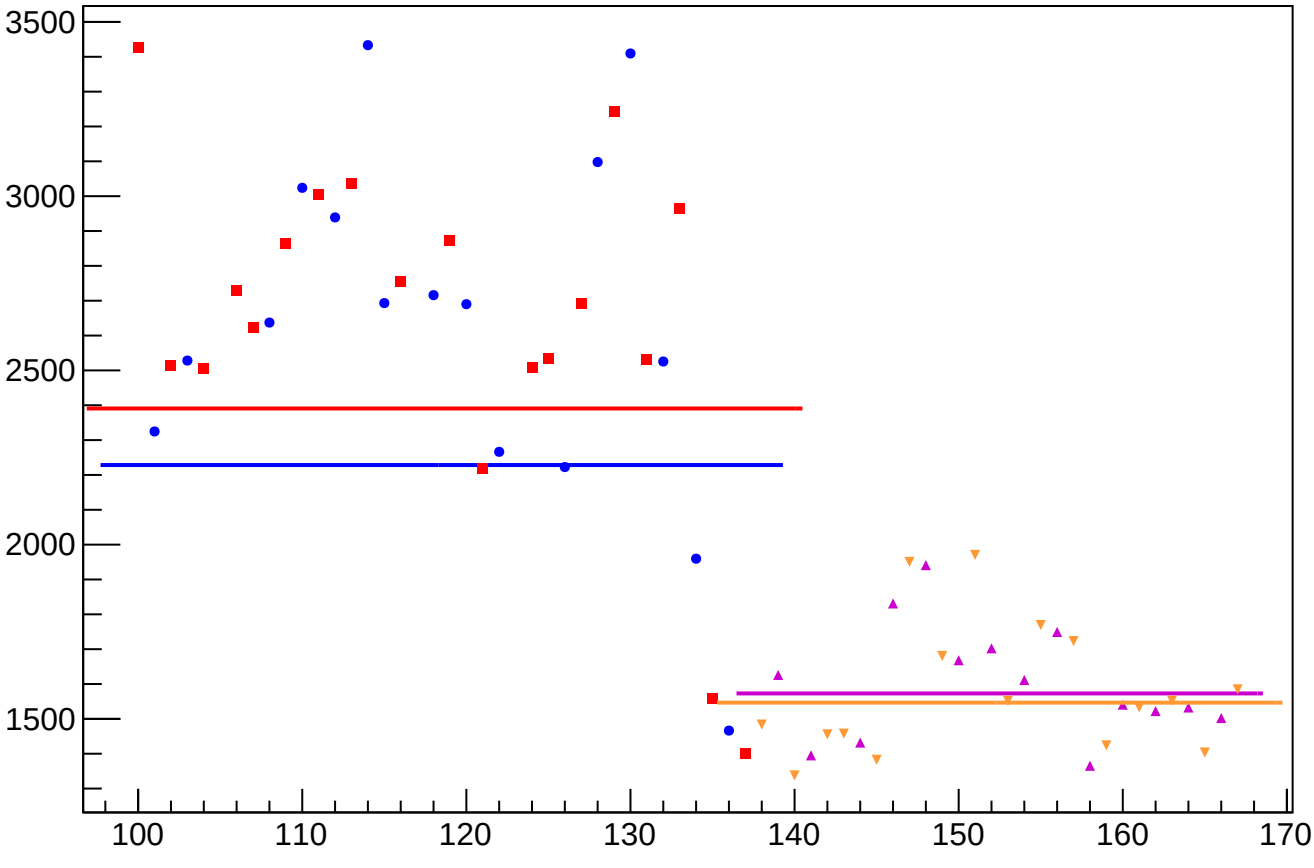
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.333+/-0.033 χ^2/NDF:347760.9/29

Out: 198.897+/-0.032 χ^2/NDF:365463.1/34

All: 199.586+/-0.023 χ^2/NDF: 714218.1/64


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -1155.810+/-439.025 χ²/NDF:28.4/15
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -388.753+/-466.212 χ²/NDF:23.2/13
Left: -795.298+/-319.617 χ²/NDF: 53.0/29
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -734.912+/-409.762 χ²/NDF:41.8/29
Out: -836.526+/-394.751 χ²/NDF:45.4/34
All: -787.614+/-284.290 χ²/NDF: 87.3/64



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1546.563+/-0.310 χ^2/NDF:303919.3/15

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1573.015+/-0.330 χ^2/NDF:223403.7/13

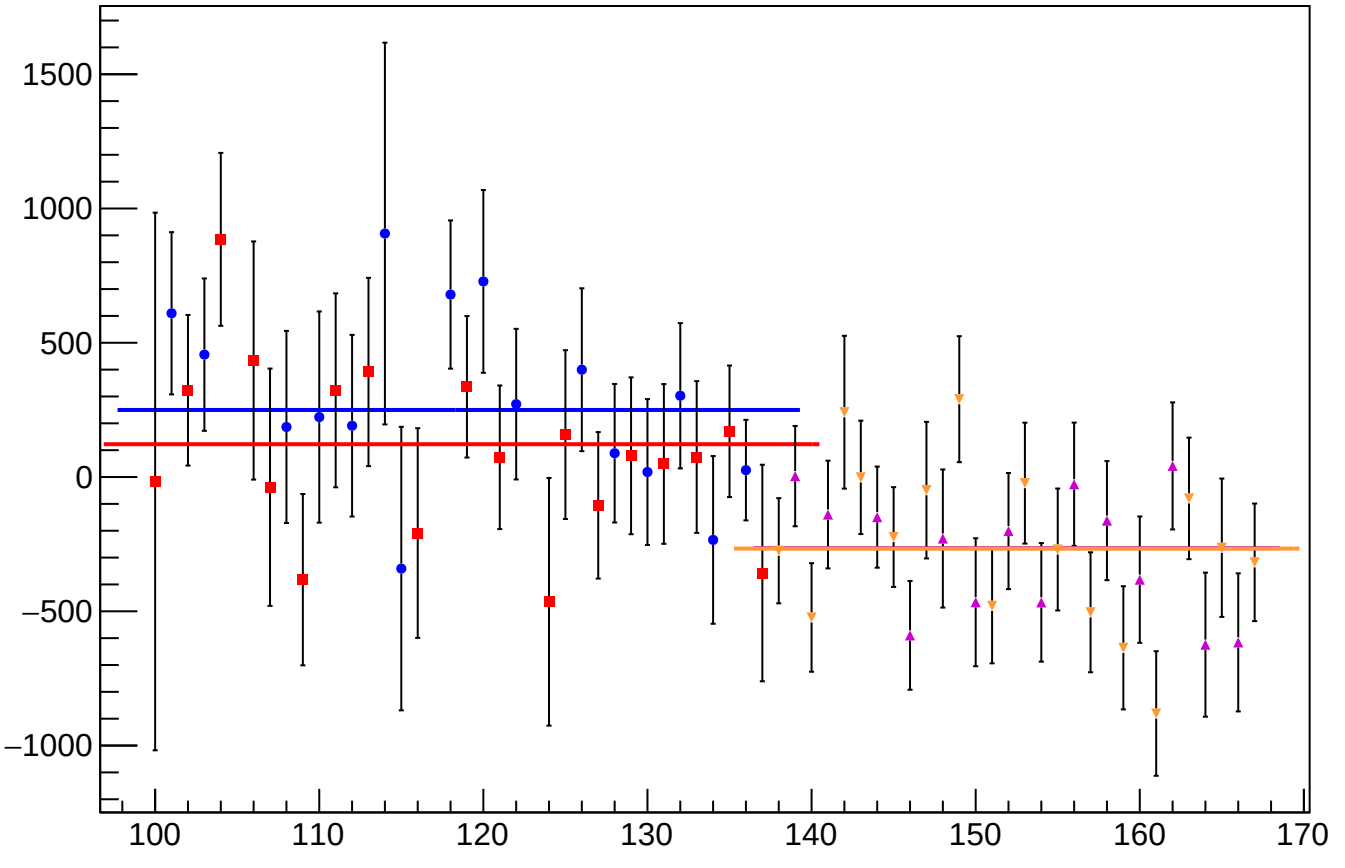
Left: 1558.995+/-0.226 χ^2/NDF: 530735.5/29

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1722.125+/-0.290 χ^2/NDF:2070331.3/29

Out: 1708.240+/-0.279 χ^2/NDF:2510139.2/34

All: 1714.923+/-0.201 χ^2/NDF: 4581661.6/64



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -266.465+/-55.739 χ^2/NDF:26.4/15

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -264.844+/-59.240 χ^2/NDF:13.9/13

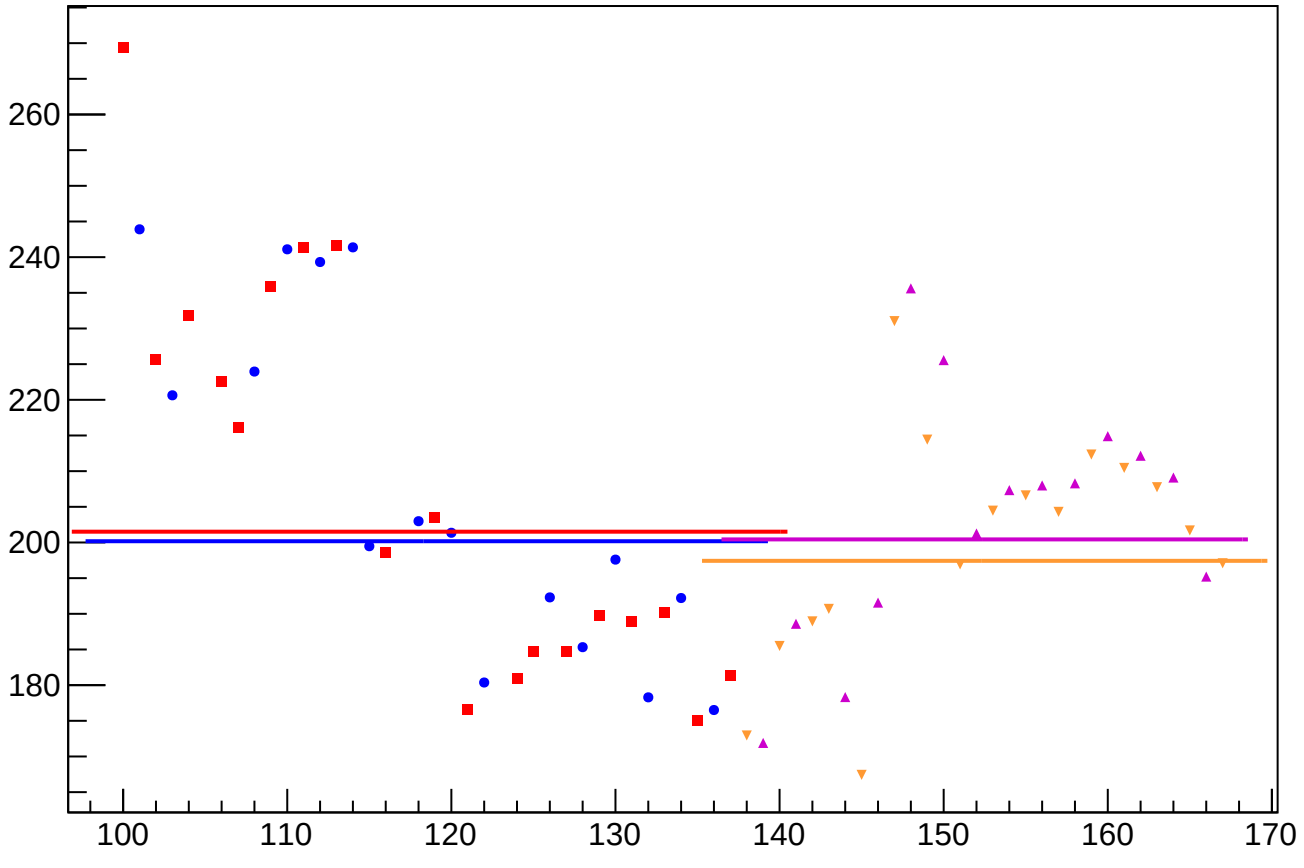
Left: -265.704+/-40.595 χ^2/NDF: 40.3/29

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -66.734+/-46.458 χ^2/NDF:56.7/29

Out: -126.691+/-44.604 χ^2/NDF:59.4/34

All: -97.933+/-32.176 χ^2/NDF: 117.0/64



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.428+/-0.039 χ^2/NDF:166166.3/15

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.431+/-0.042 χ^2/NDF:166745.0/13

Left: 198.838+/-0.029 χ^2/NDF: 335637.9/29

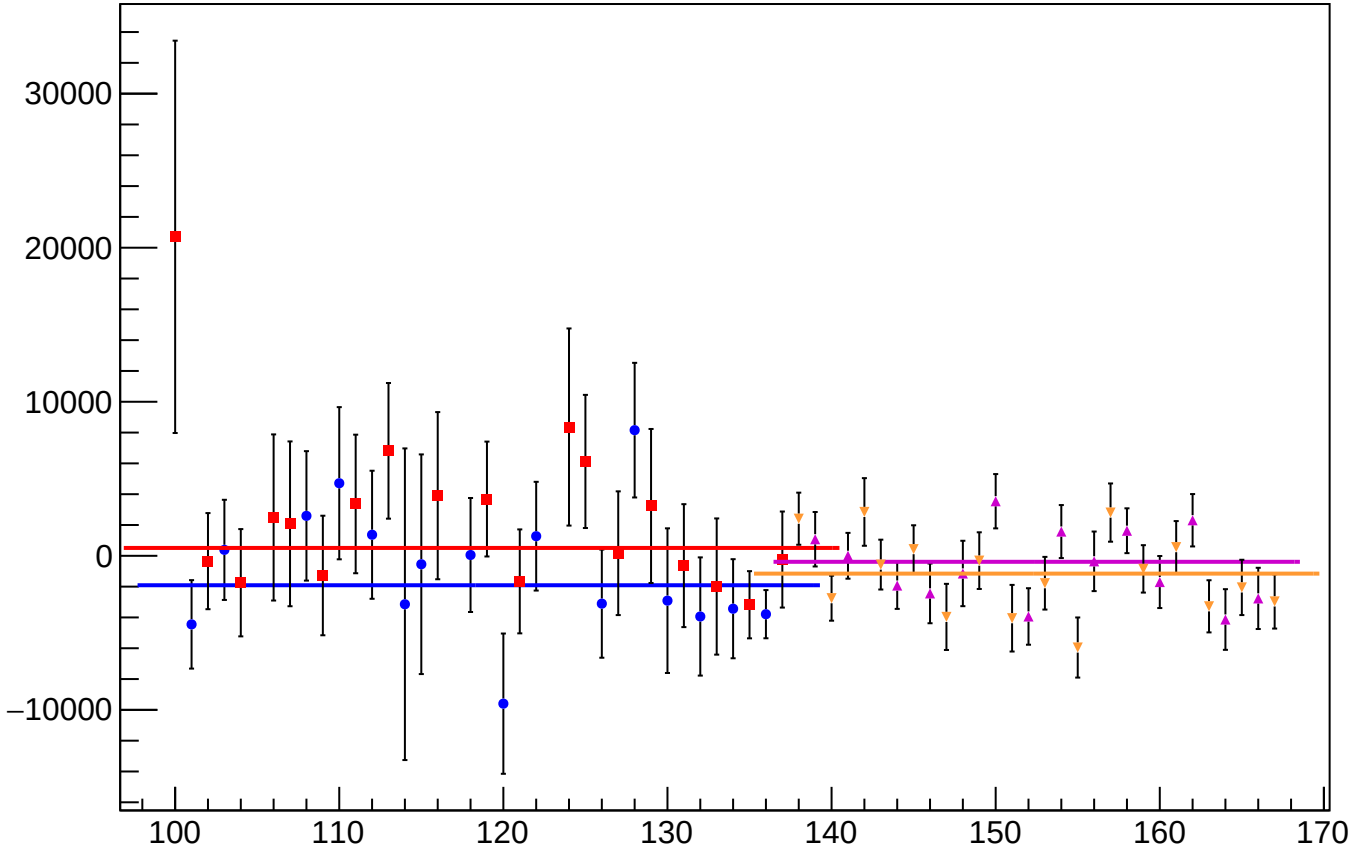
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.333+/-0.033 χ^2/NDF:347760.9/29

Out: 198.897+/-0.032 χ^2/NDF:365463.1/34

All: 199.586+/-0.023 χ^2/NDF: 714218.1/64

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1155.810+/-439.025 χ^2/NDF:28.4/15

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -388.753+/-466.212 χ^2/NDF:23.2/13

Left: -795.298+/-319.617 χ^2/NDF: 53.0/29

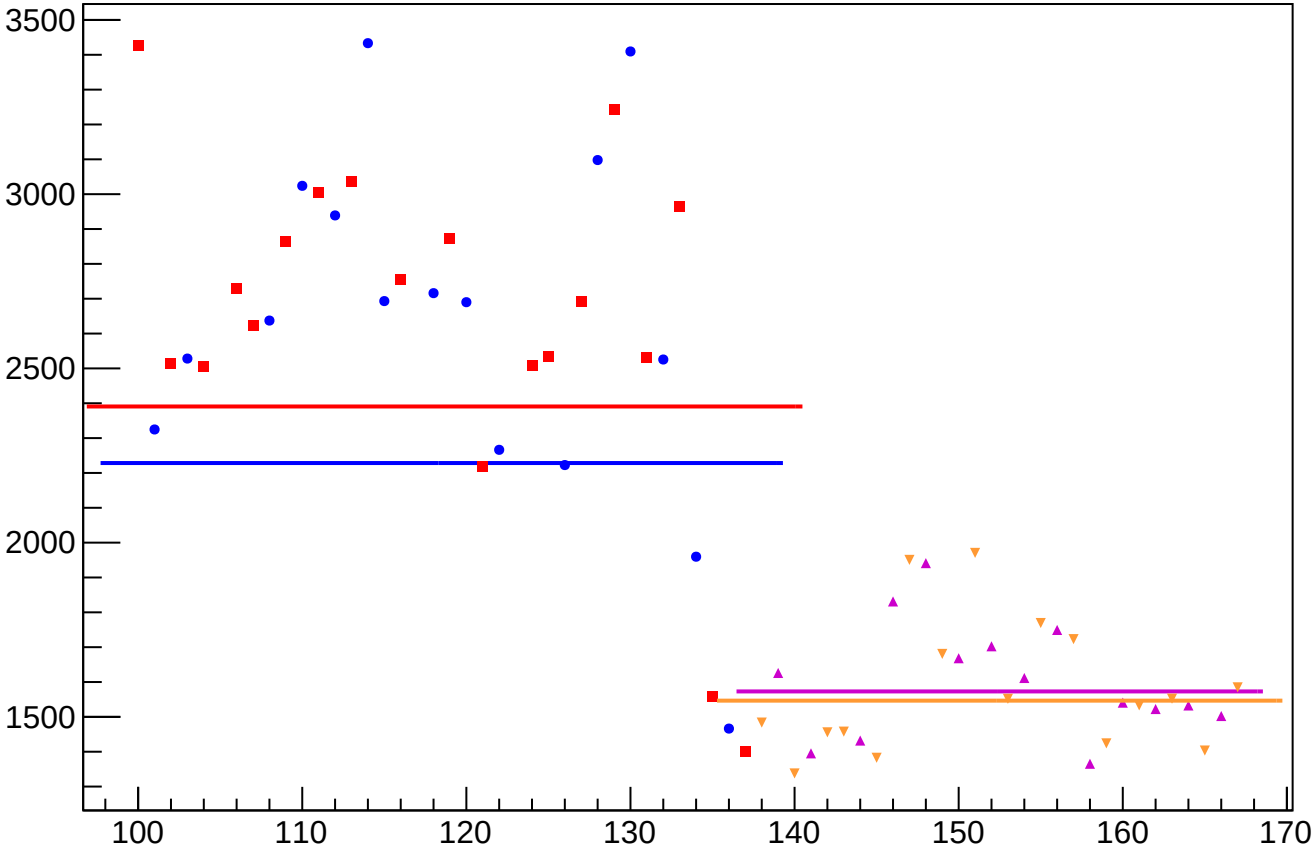
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -734.912+/-409.762 χ^2/NDF:41.8/29

Out: -836.526+/-394.751 χ^2/NDF:45.4/34

All: -787.614+/-284.290 χ^2/NDF: 87.3/64

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1546.563+/-0.310 χ^2/NDF:303919.3/15

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1573.015+/-0.330 χ^2/NDF:223403.7/13

Left: 1558.995+/-0.226 χ^2/NDF: 530735.5/29

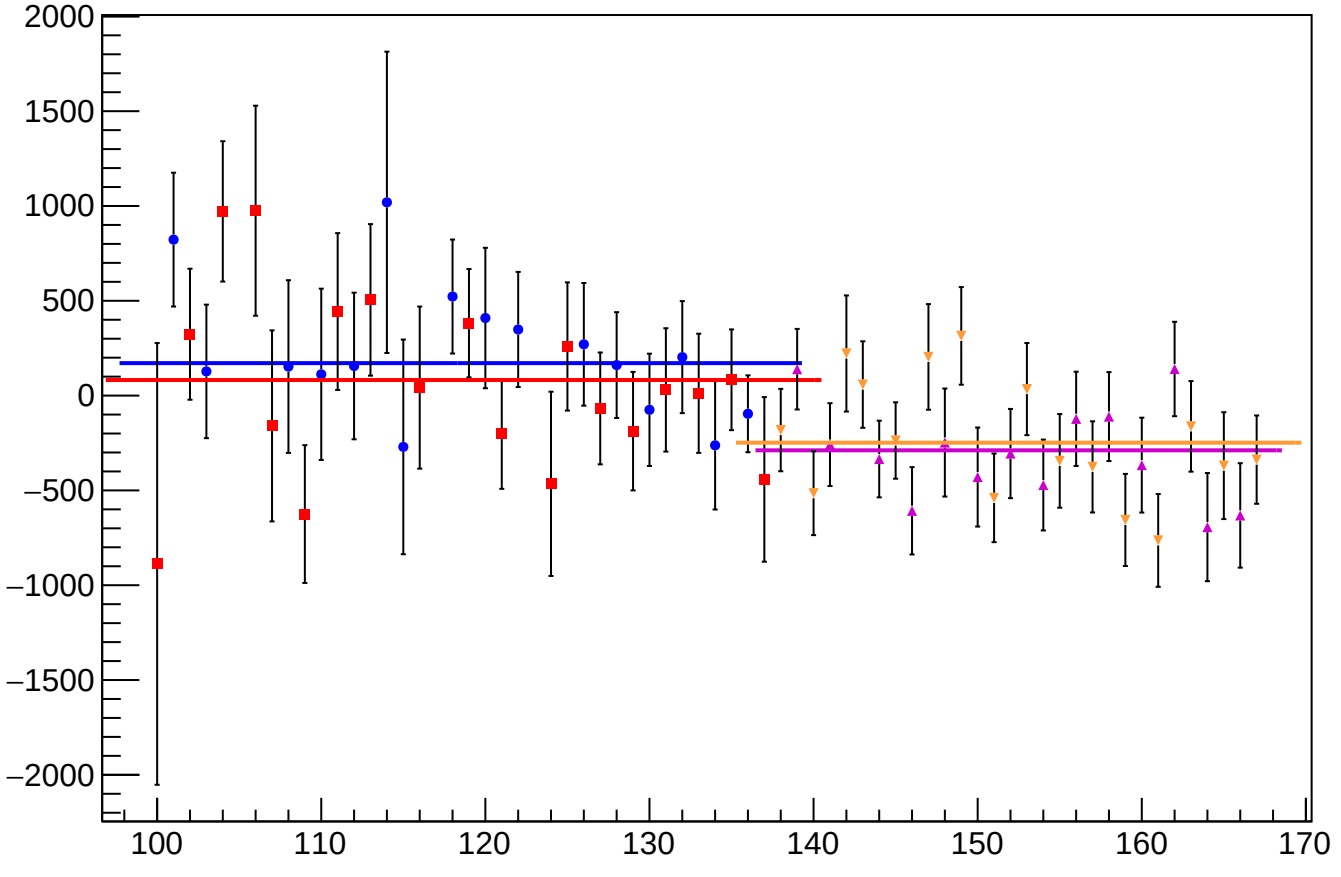
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1722.125+/-0.290 χ^2/NDF:2070331.3/29

Out: 1708.240+/-0.279 χ^2/NDF:2510139.2/34

All: 1714.923+/-0.201 χ^2/NDF: 4581661.6/64

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -248.376+/-60.266 χ^2/NDF:24.2/15

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -288.609+/-64.432 χ^2/NDF:14.6/13

Left: -267.150+/-44.014 χ^2/NDF: 39.0/29

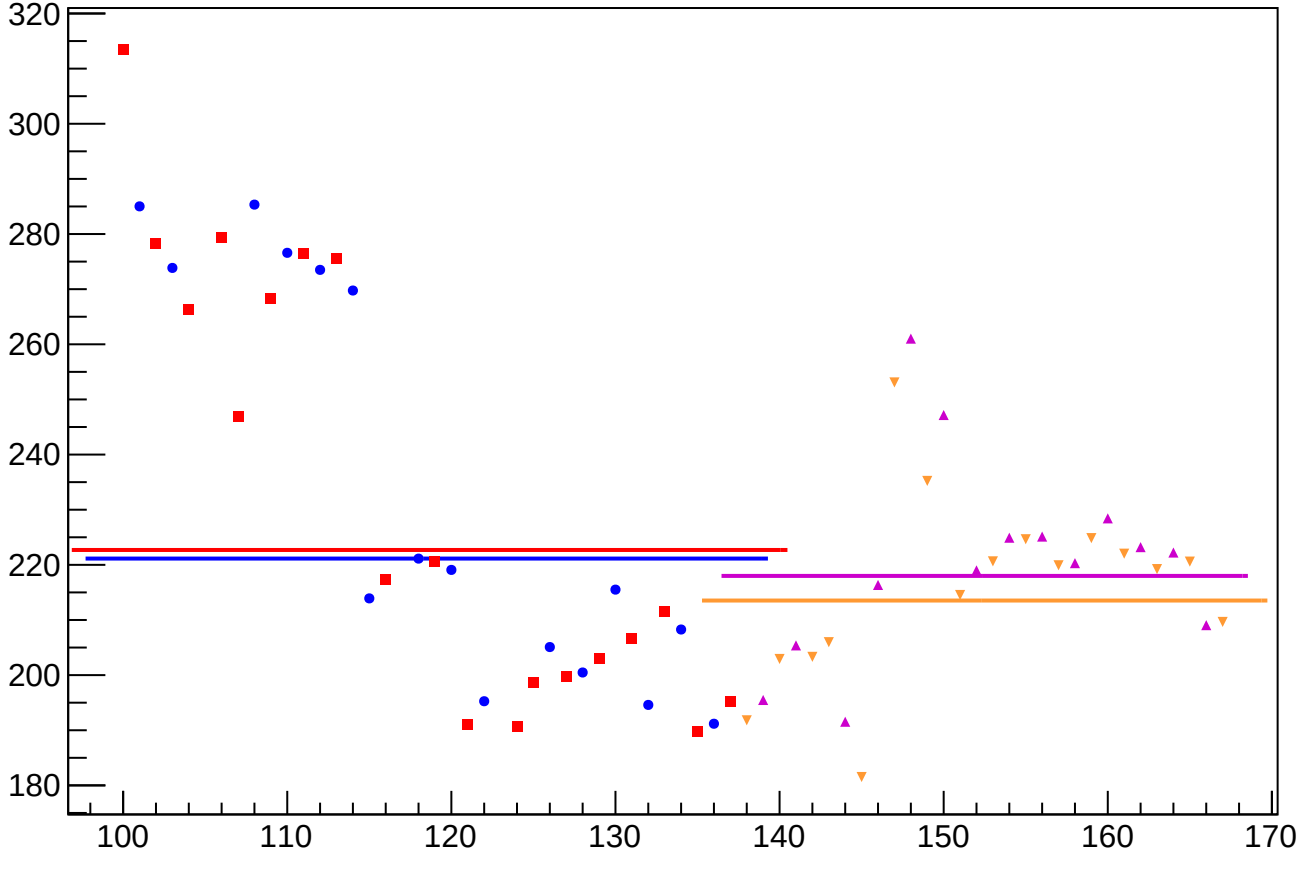
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -115.988+/-50.923 χ^2/NDF:45.2/29

Out: -133.451+/-48.674 χ^2/NDF:56.3/34

All: -125.114+/-35.186 χ^2/NDF: 101.5/64

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.527+/-0.043 χ^2/NDF:150930.9/15

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.994+/-0.046 χ^2/NDF:144491.7/13

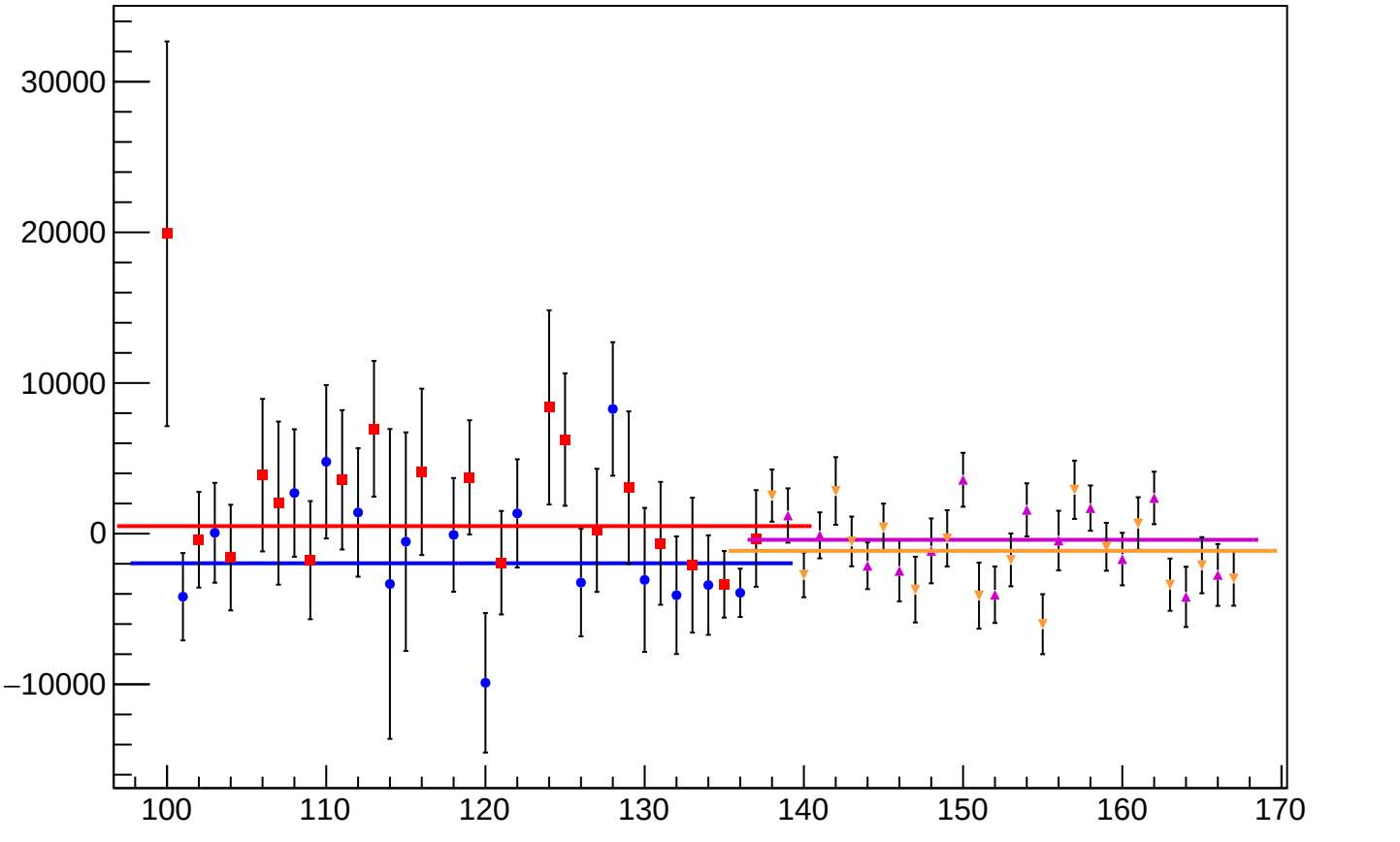
Left: 215.612+/-0.031 χ^2/NDF: 300549.5/29

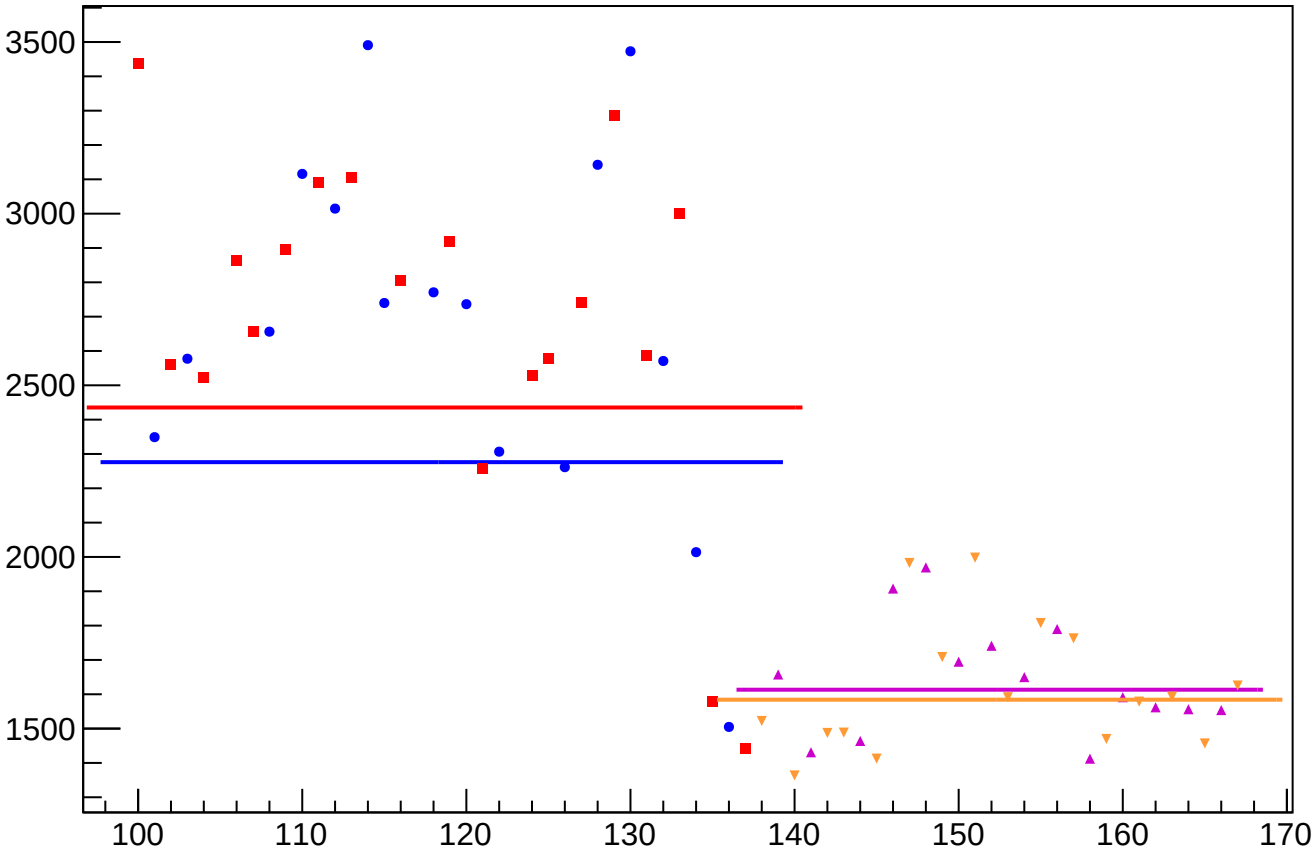
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 219.175+/-0.036 χ^2/NDF:464982.3/29

Out: 216.716+/-0.034 χ^2/NDF:494063.5/34

All: 217.890+/-0.025 χ^2/NDF: 961482.6/64


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -1139.384+/-449.471 χ²/NDF:27.9/15
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: -408.612+/-478.002 χ²/NDF:23.2/13
Left: -796.456+/-327.446 χ²/NDF: 52.3/29
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -765.873+/-419.666 χ²/NDF:41.7/29
Out: -821.090+/-403.405 χ²/NDF:45.2/34
All: -794.572+/-290.829 χ²/NDF: 87.0/64



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1584.213+/-0.318 χ^2/NDF:290421.3/15

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1613.265+/-0.338 χ^2/NDF:216991.9/13

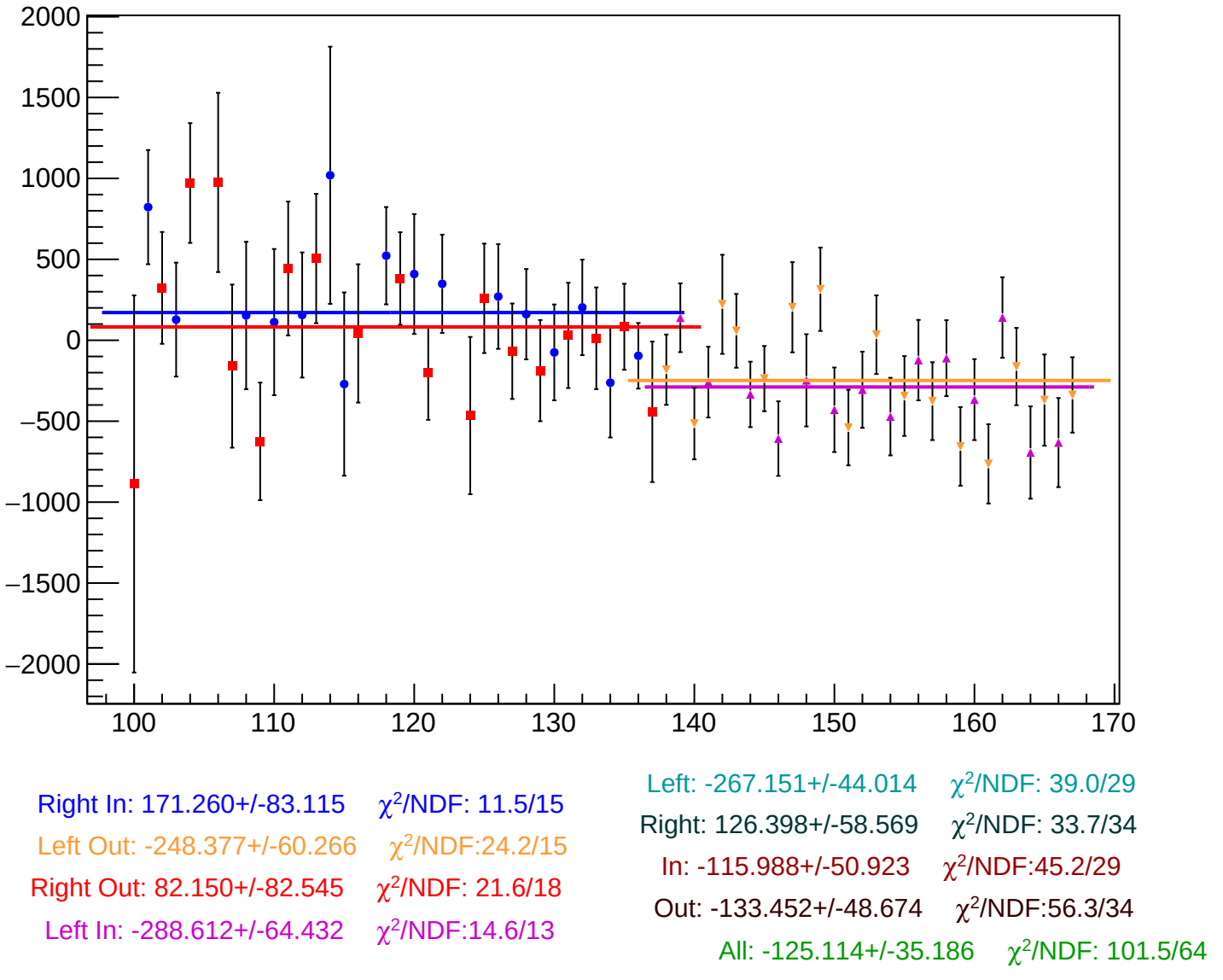
Left: 1597.846+/-0.232 χ^2/NDF: 511334.1/29

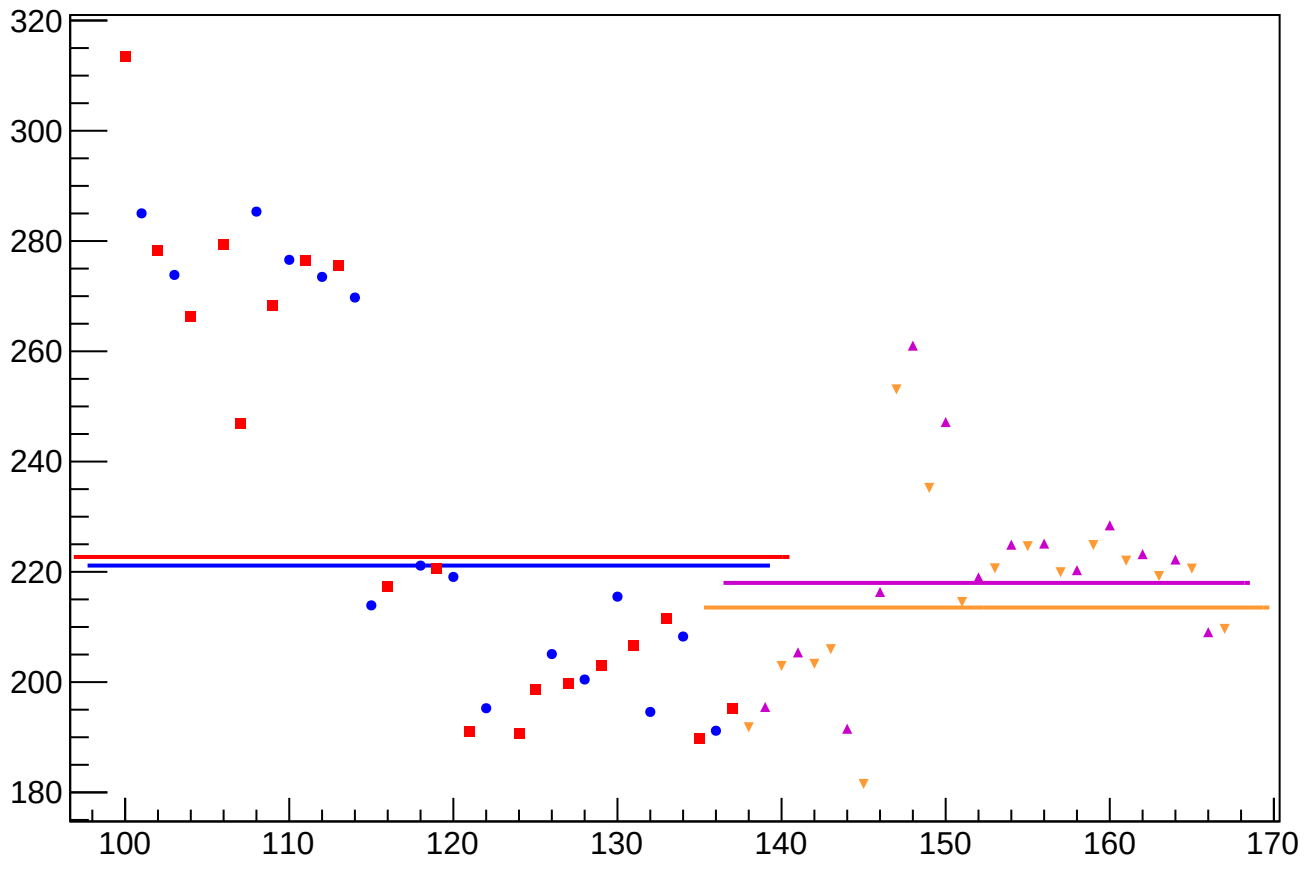
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1765.187+/-0.297 χ^2/NDF:2025473.2/29

Out: 1749.740+/-0.285 χ^2/NDF:2476692.5/34

All: 1757.159+/-0.206 χ^2/NDF: 4503573.9/64


eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
Right In: 171.260+/-83.115 χ²/NDF: 11.5/15
Left Out: -248.377+/-60.266 χ²/NDF:24.2/15
Right Out: 82.150+/-82.545 χ²/NDF: 21.6/18
Left In: -288.612+/-64.432 χ²/NDF:14.6/13
Left: -267.151+/-44.014 χ²/NDF: 39.0/29
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -115.988+/-50.923 χ²/NDF:45.2/29
Out: -133.452+/-48.674 χ²/NDF:56.3/34
All: -125.114+/-35.186 χ²/NDF: 101.5/64



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.527+/-0.043 χ^2/NDF:150935.0/15

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.994+/-0.046 χ^2/NDF:144494.0/13

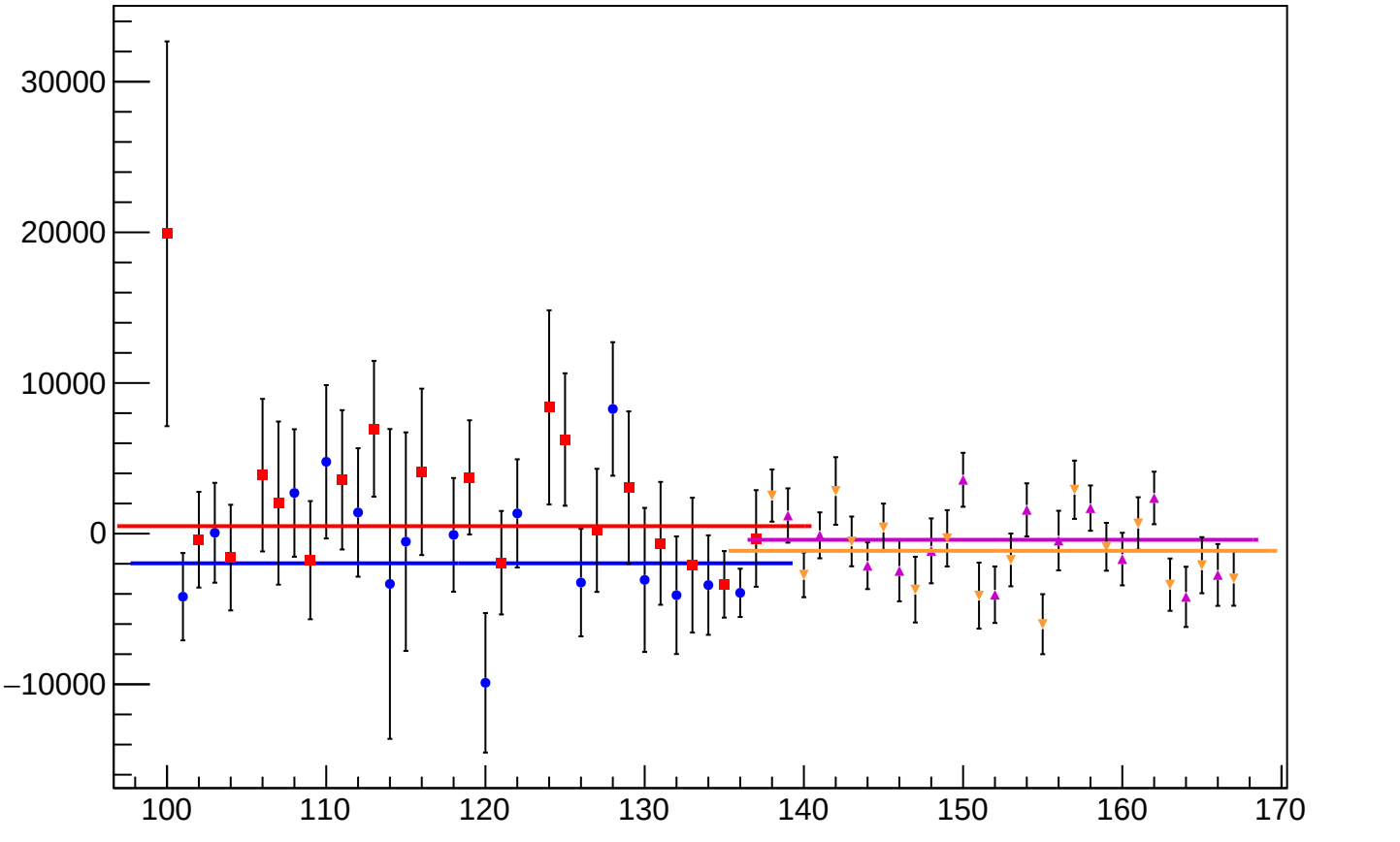
Left: 215.611+/-0.031 χ^2/NDF: 300555.7/29

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 219.174+/-0.036 χ^2/NDF:464978.3/29

Out: 216.715+/-0.034 χ^2/NDF:494057.9/34

All: 217.889+/-0.025 χ^2/NDF: 961472.7/64



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -1139.383+/-449.471 χ^2/NDF:27.9/15

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -408.612+/-478.002 χ^2/NDF:23.2/13

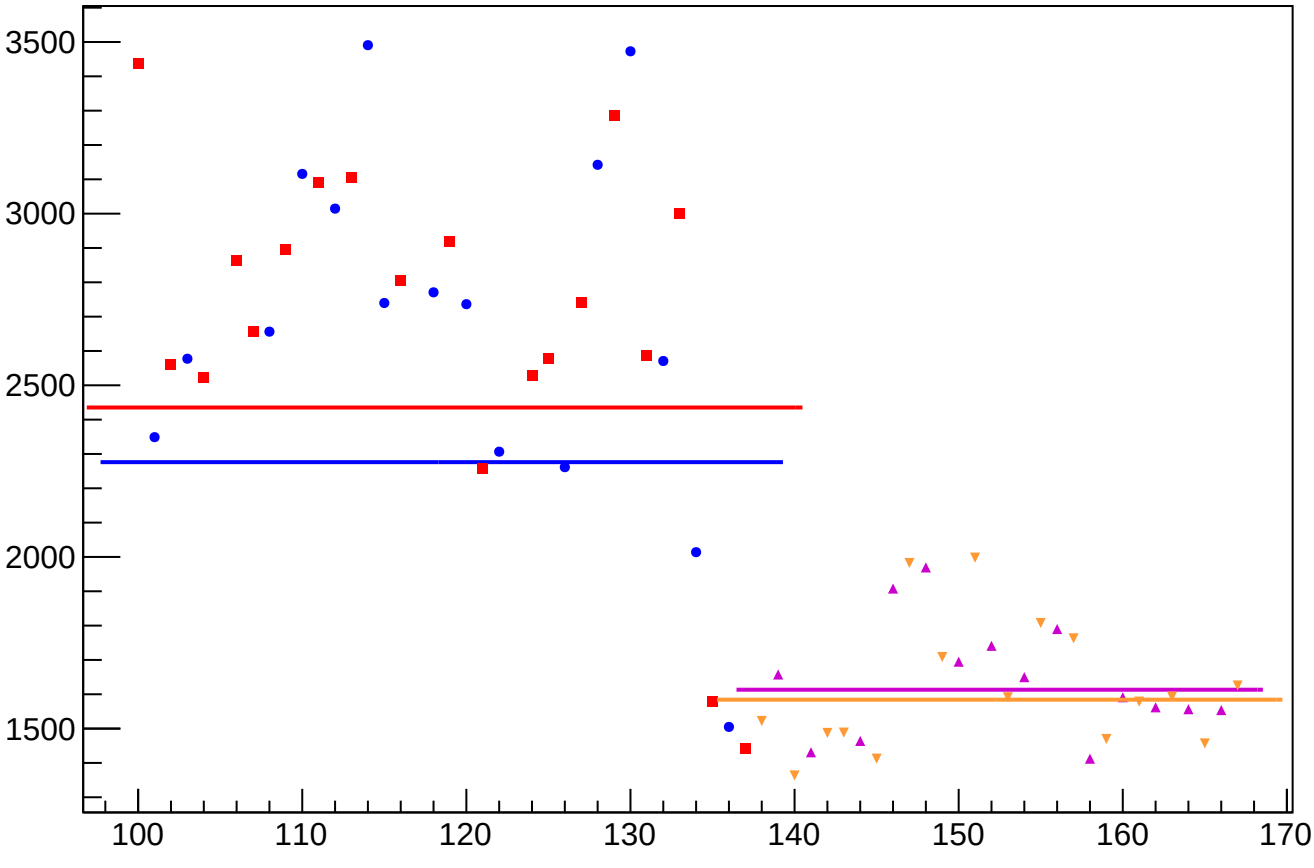
Left: -796.456+/-327.446 χ^2/NDF: 52.3/29

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -765.872+/-419.665 χ^2/NDF:41.7/29

Out: -821.088+/-403.404 χ^2/NDF:45.2/34

All: -794.571+/-290.829 χ^2/NDF: 87.0/64



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1584.213+/-0.318 χ^2/NDF:290424.4/15

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1613.264+/-0.338 χ^2/NDF:216993.2/13

Left: 1597.846+/-0.232 χ^2/NDF: 511338.5/29

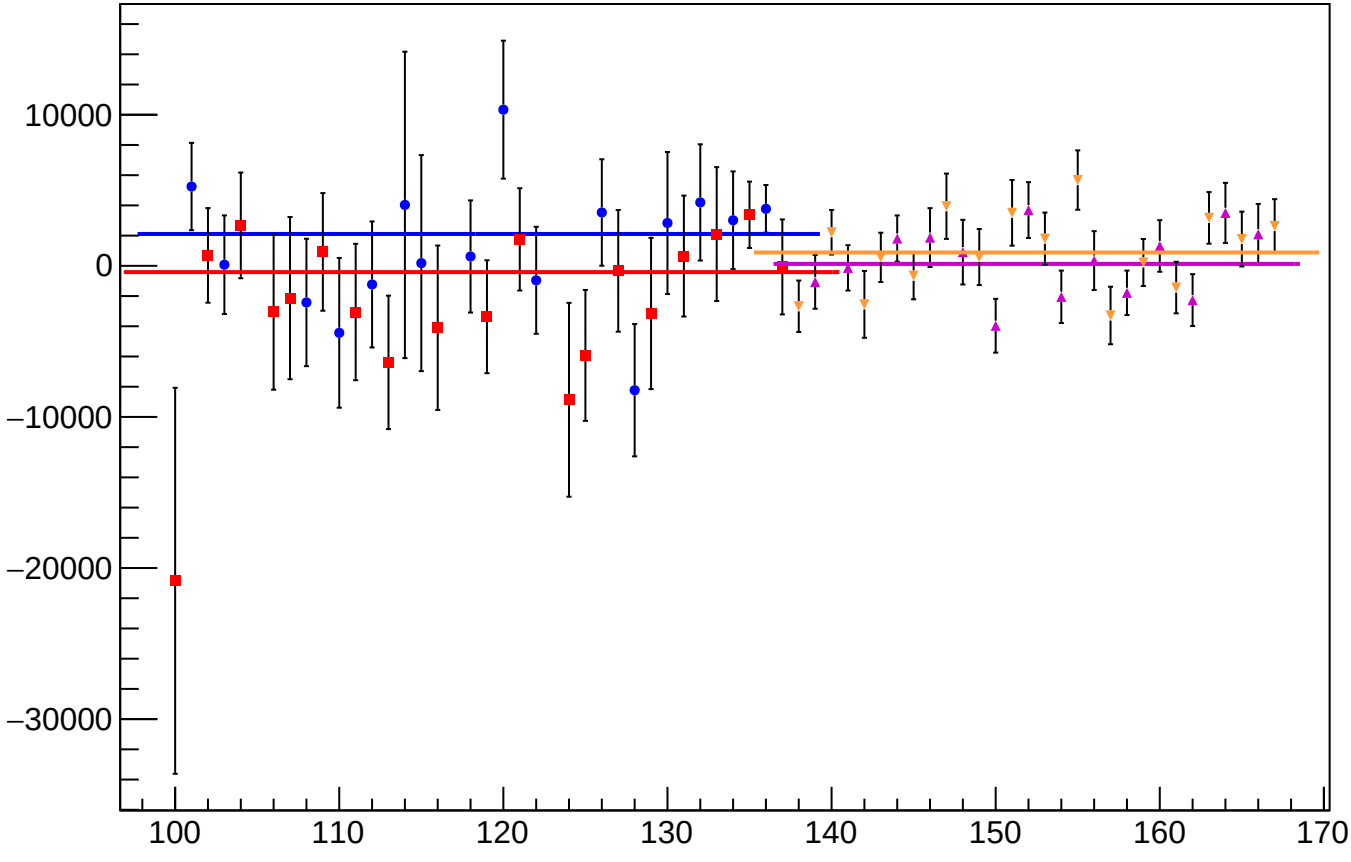
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1765.187+/-0.297 χ^2/NDF:2025460.4/29

Out: 1749.740+/-0.285 χ^2/NDF:2476682.2/34

All: 1757.158+/-0.206 χ^2/NDF: 4503550.9/64

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 884.104+/-442.744 χ^2/NDF:28.2/15

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 127.071+/-470.190 χ^2/NDF:21.2/13

Left: 528.326+/-322.333 χ^2/NDF: 50.7/29

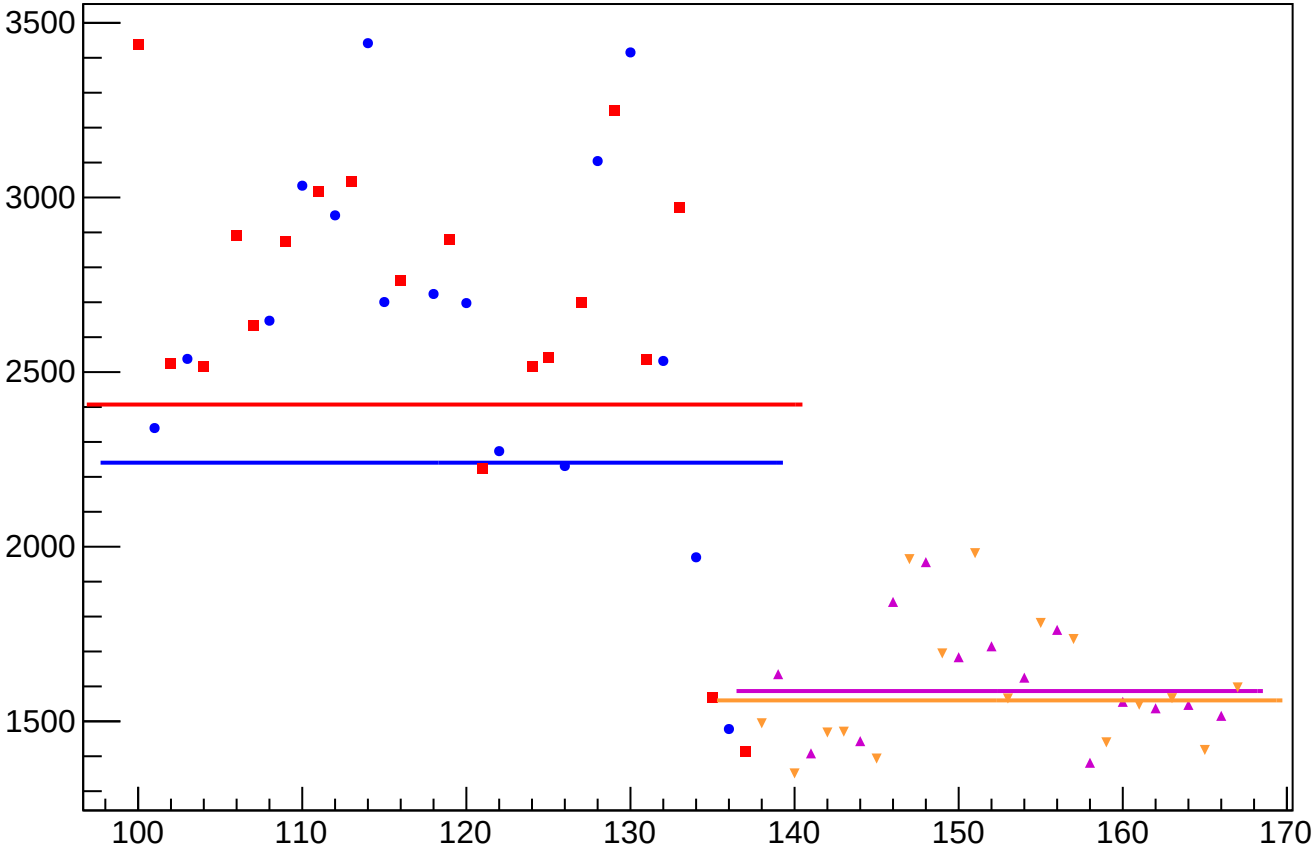
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 580.614+/-412.918 χ^2/NDF:41.9/29

Out: 633.138+/-397.652 χ^2/NDF:44.5/34

All: 607.865+/-286.427 χ^2/NDF: 86.4/64

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1559.948+/-0.313 χ^2/NDF:298837.6/15

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1586.701+/-0.332 χ^2/NDF:218530.0/13

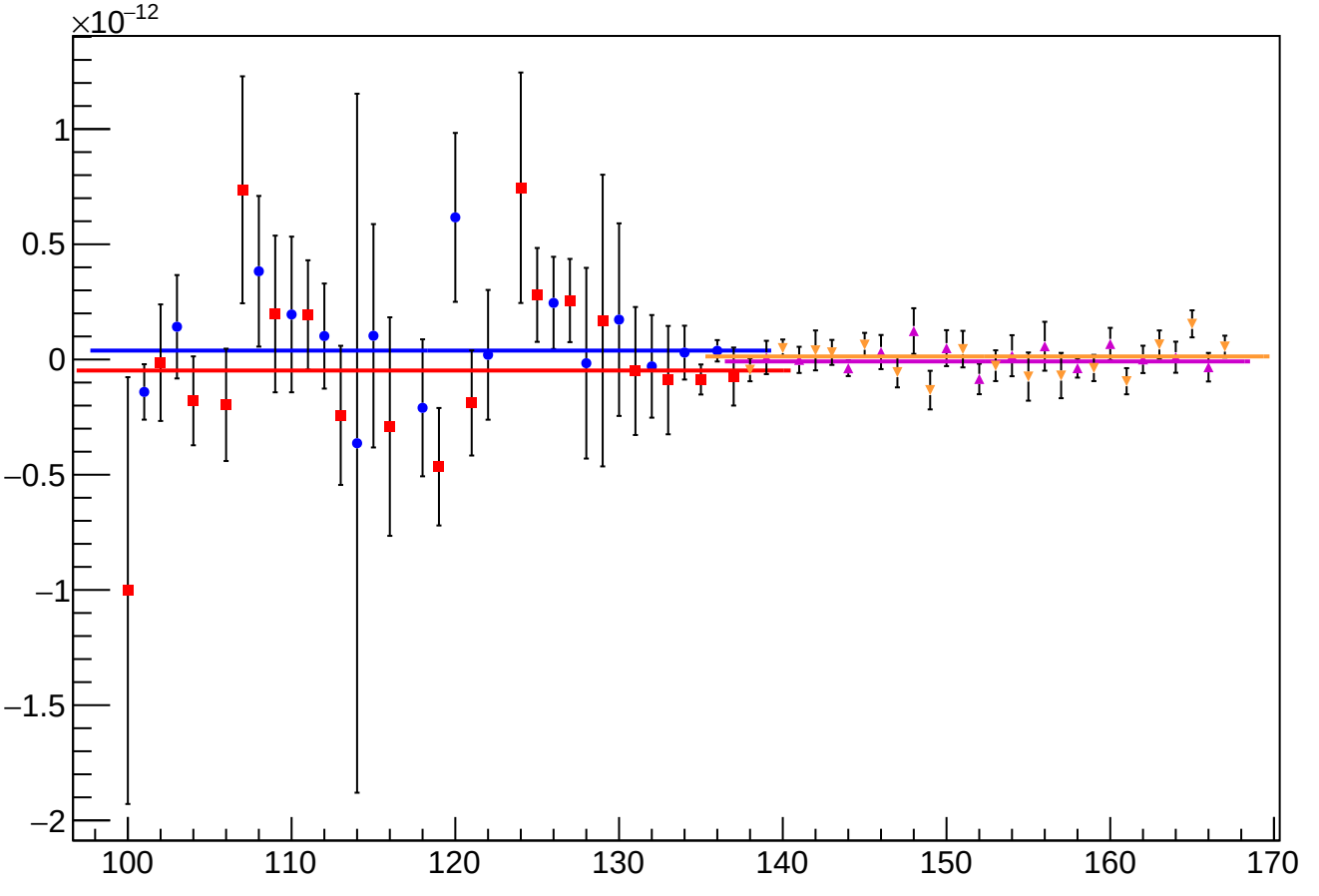
Left: 1572.521+/-0.228 χ^2/NDF: 520799.6/29

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1736.304+/-0.292 χ^2/NDF:2037136.5/29

Out: 1723.722+/-0.281 χ^2/NDF:2503429.8/34

All: 1729.776+/-0.203 χ^2/NDF: 4541529.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/13

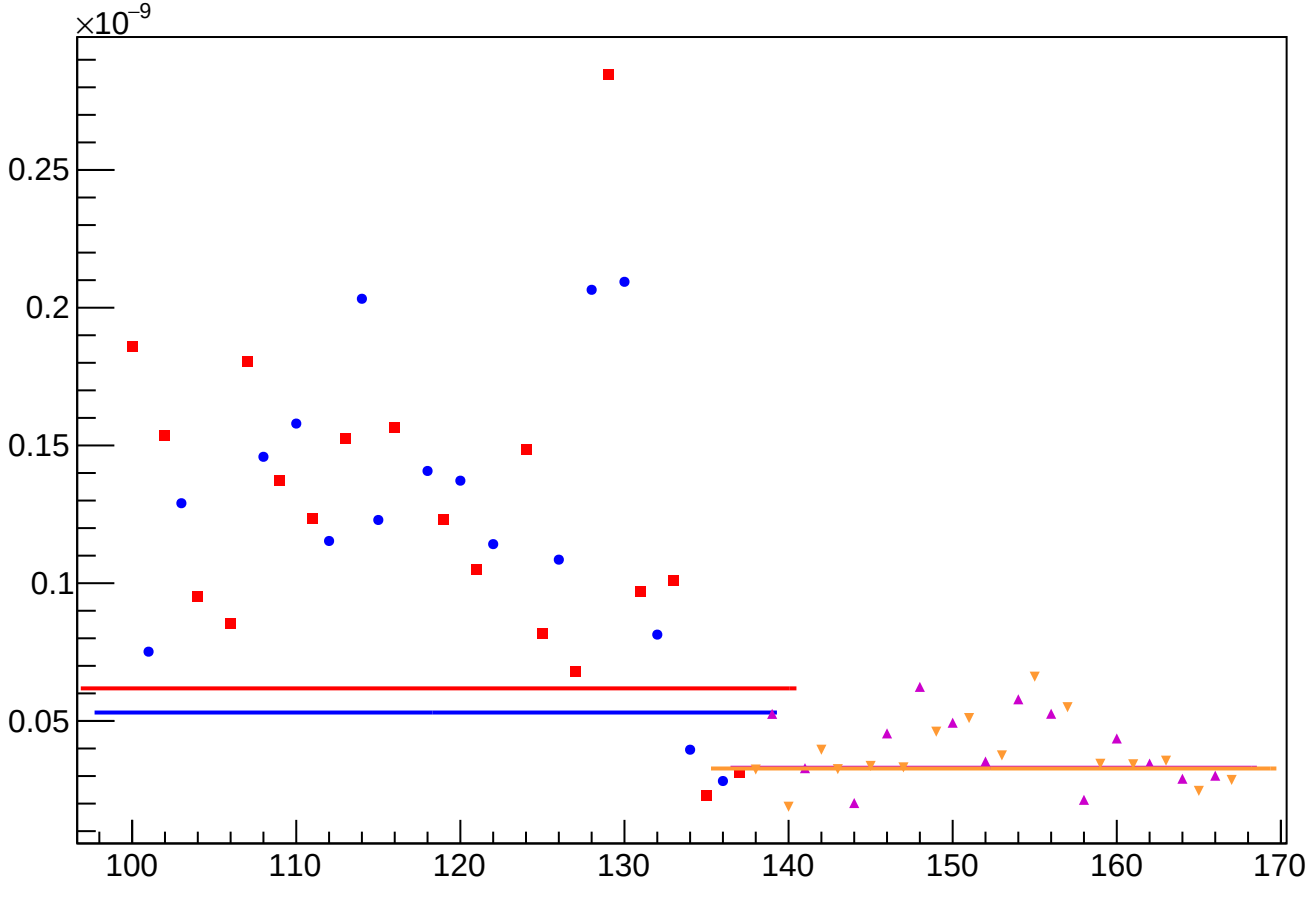
Left: 0.000+/-0.000 χ^2/NDF: 29.3/29

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:17.0/29

Out: 0.000+/-0.000 χ^2/NDF:41.2/34

All: 0.000+/-0.000 χ^2/NDF: 58.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:821893.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1195778.2/13

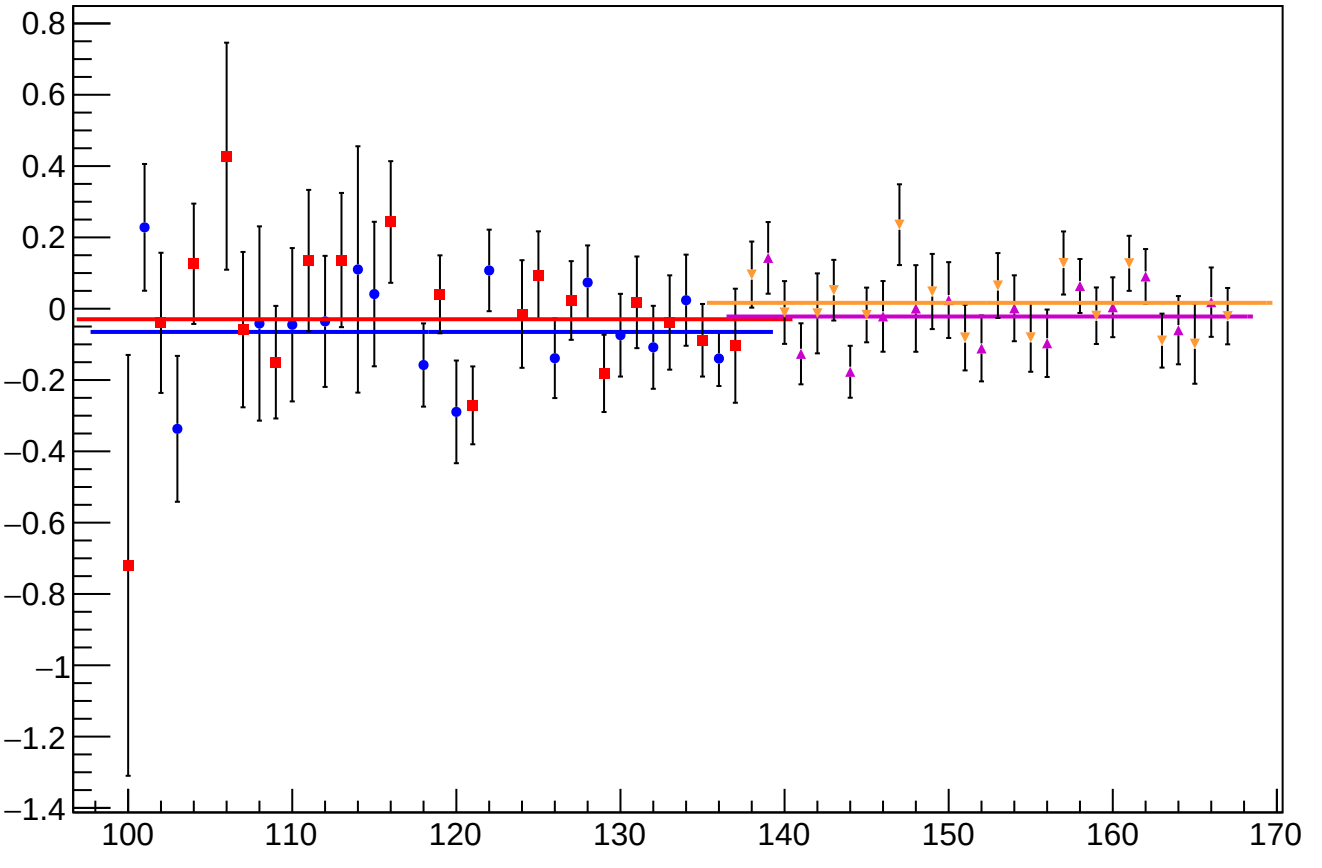
Left: 0.000+/-0.000 χ^2/NDF: 2017991.2/29

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4279343.8/29

Out: 0.000+/-0.000 χ^2/NDF:4043841.1/34

All: 0.000+/-0.000 χ^2/NDF: 8324589.1/64



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.024 χ^2/NDF:14.4/13

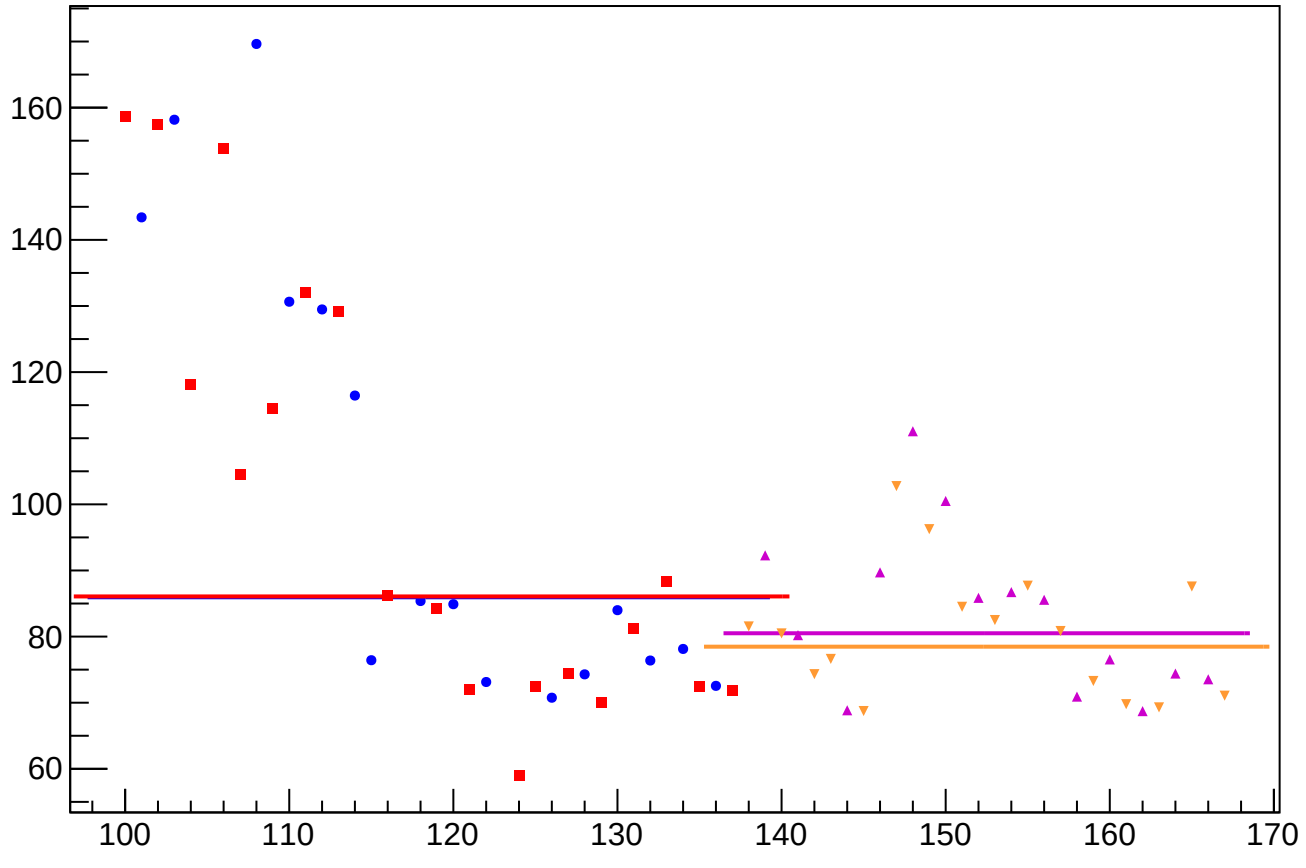
Left: -0.001+/-0.016 χ^2/NDF: 30.4/29

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.037+/-0.019 χ^2/NDF:29.7/29

Out: 0.002+/-0.018 χ^2/NDF:34.0/34

All: -0.016+/-0.013 χ^2/NDF: 65.8/64



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.474+/-0.016 χ^2/NDF:314254.1/15

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.503+/-0.017 χ^2/NDF:416798.7/13

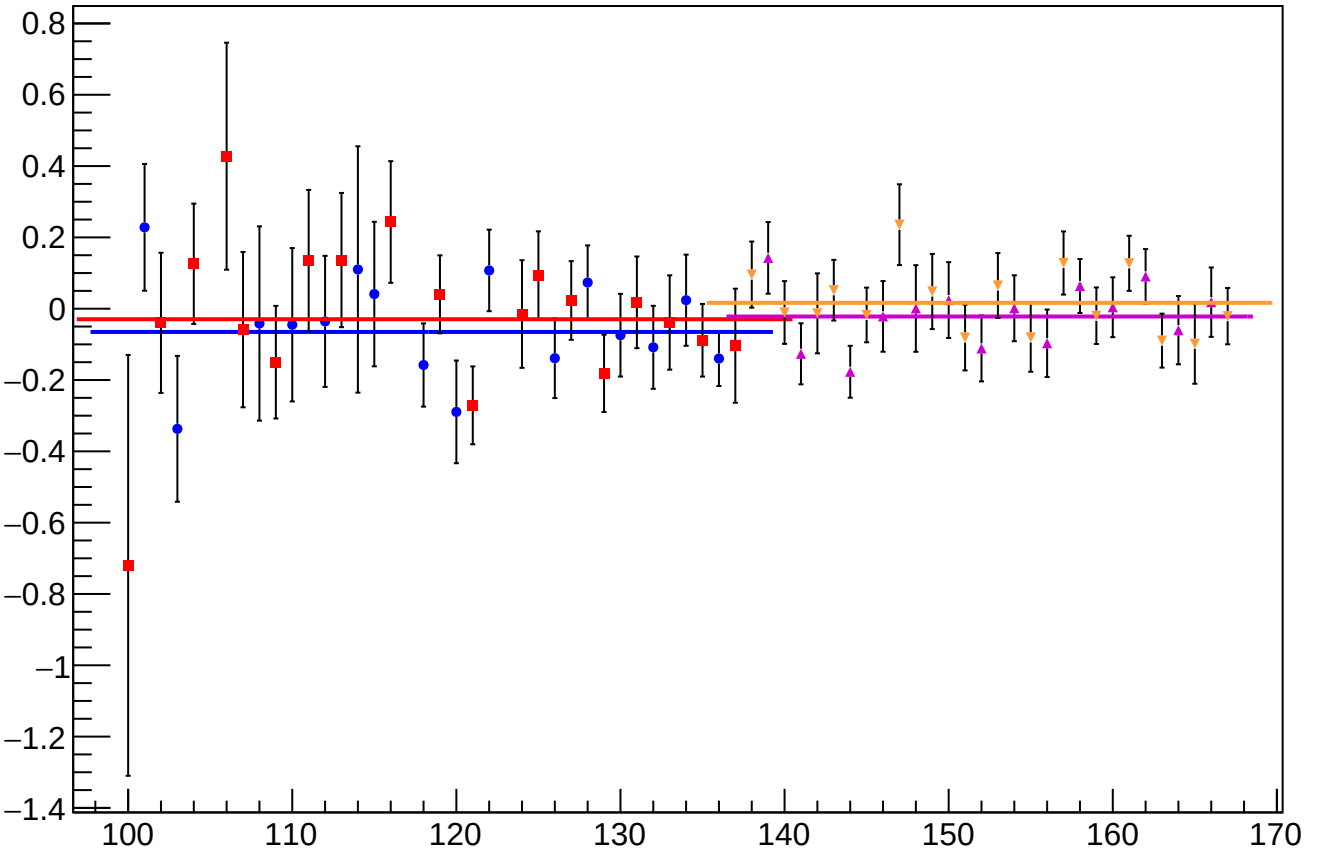
Left: 79.411+/-0.012 χ^2/NDF: 738718.0/29

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 82.368+/-0.014 χ^2/NDF:1486904.6/29

Out: 80.856+/-0.013 χ^2/NDF:1378592.8/34

All: 81.570+/-0.009 χ^2/NDF: 2871841.8/64



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.024 χ^2/NDF:14.4/13

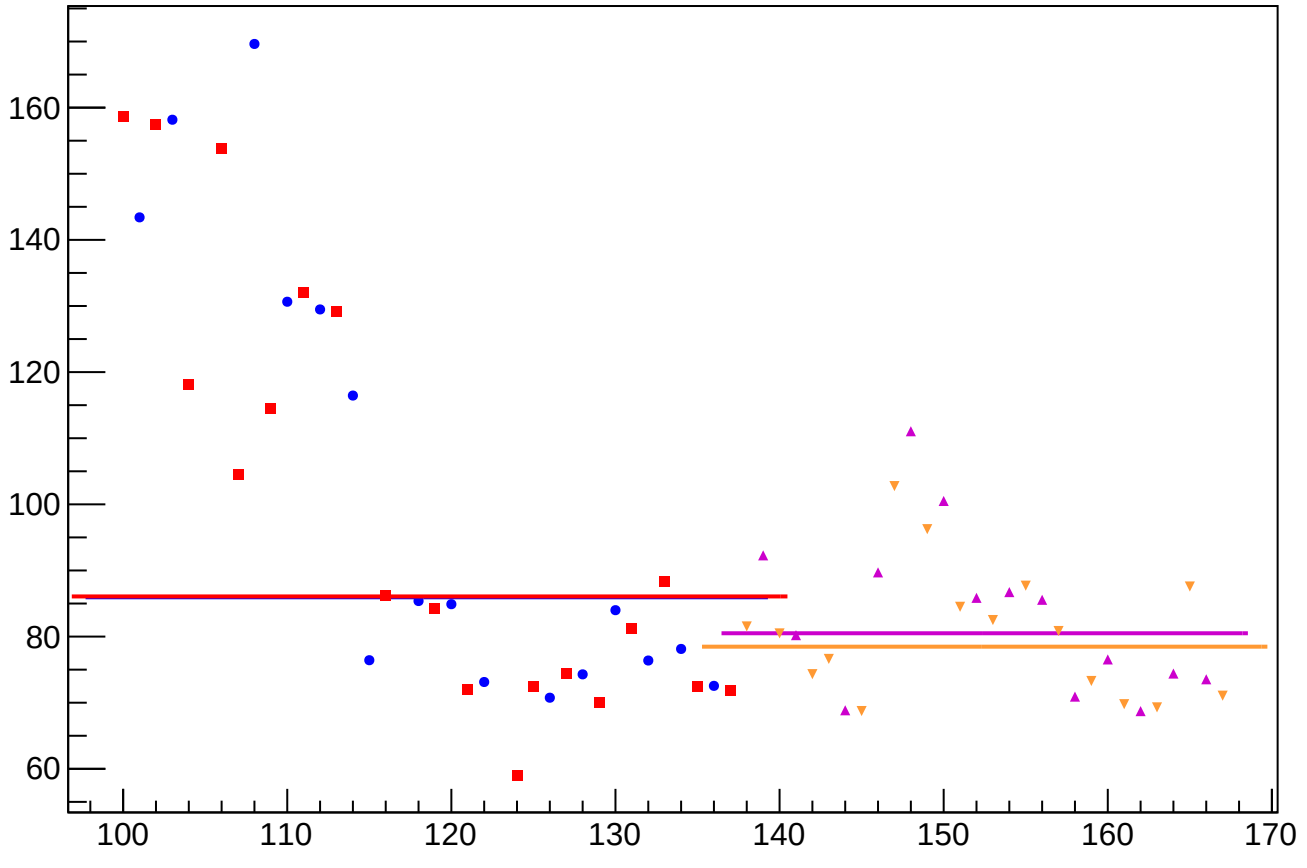
Left: -0.001+/-0.016 χ^2/NDF: 30.4/29

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.037+/-0.019 χ^2/NDF:29.7/29

Out: 0.002+/-0.018 χ^2/NDF:34.0/34

All: -0.016+/-0.013 χ^2/NDF: 65.8/64



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.474+/-0.016 χ^2/NDF:314254.1/15

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.503+/-0.017 χ^2/NDF:416798.7/13

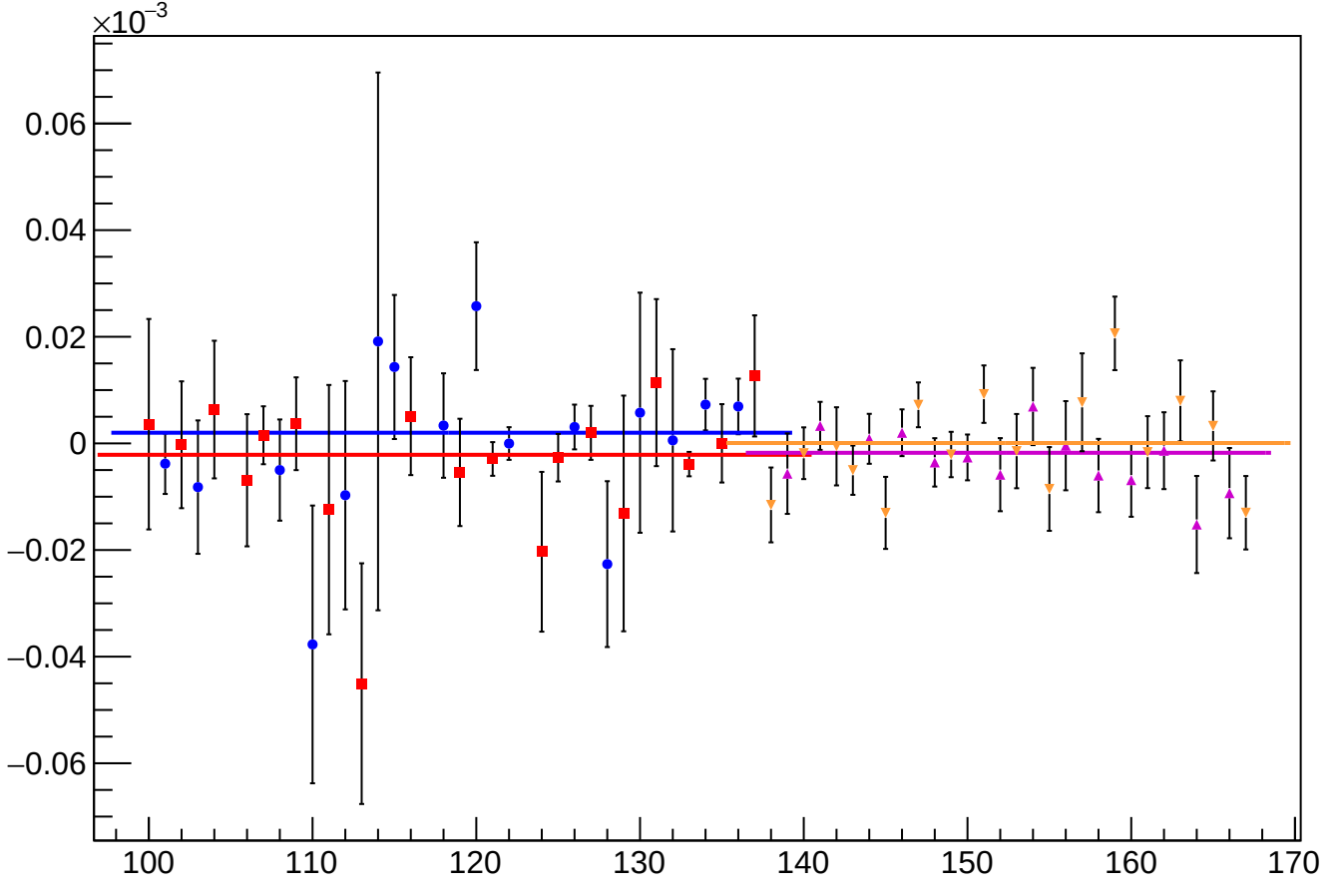
Left: 79.411+/-0.012 χ^2/NDF: 738718.0/29

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 82.368+/-0.014 χ^2/NDF:1486904.6/29

Out: 80.856+/-0.013 χ^2/NDF:1378592.8/34

All: 81.570+/-0.009 χ^2/NDF: 2871841.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/13

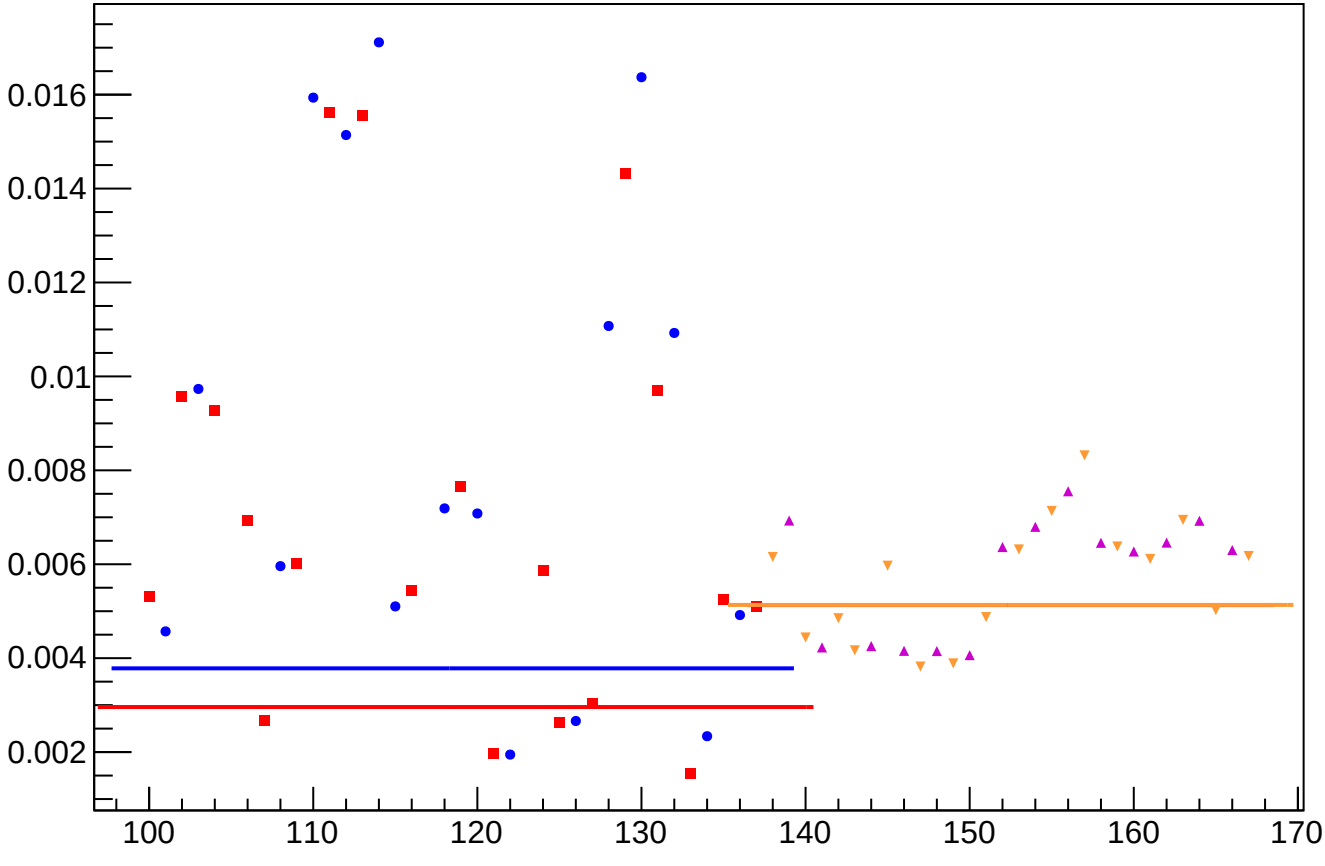
Left: -0.000+/-0.000 χ^2/NDF: 39.0/29

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:26.0/29

Out: -0.000+/-0.000 χ^2/NDF:42.4/34

All: -0.000+/-0.000 χ^2/NDF: 68.9/64



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1269881.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1230672.7/13

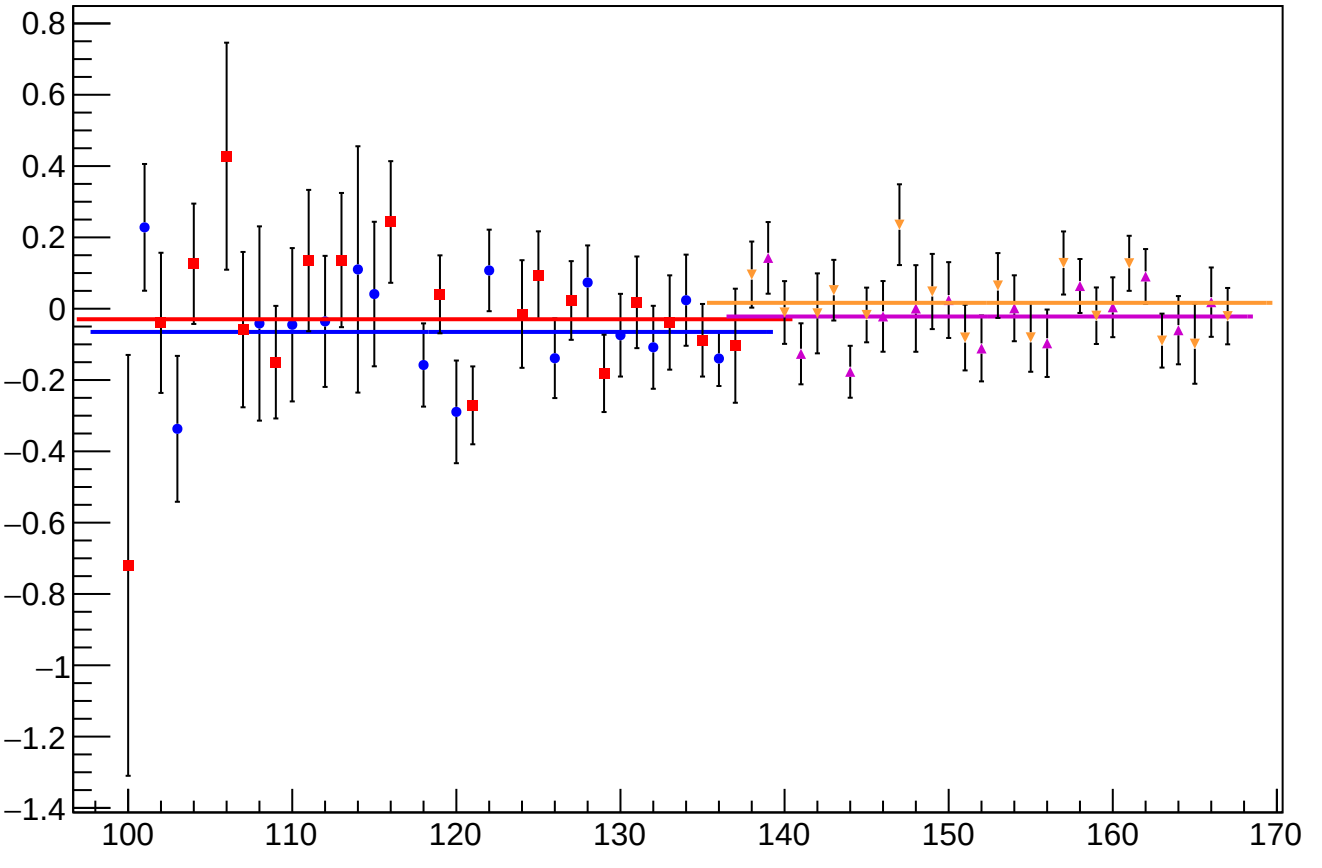
Left: 0.005+/-0.000 χ^2/NDF: 2500560.0/29

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6585359.8/29

Out: 0.004+/-0.000 χ^2/NDF:9076739.8/34

All: 0.004+/-0.000 χ^2/NDF: 15915234.8/64



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.024 χ^2/NDF:14.4/13

Left: -0.001+/-0.016 χ^2/NDF: 30.4/29

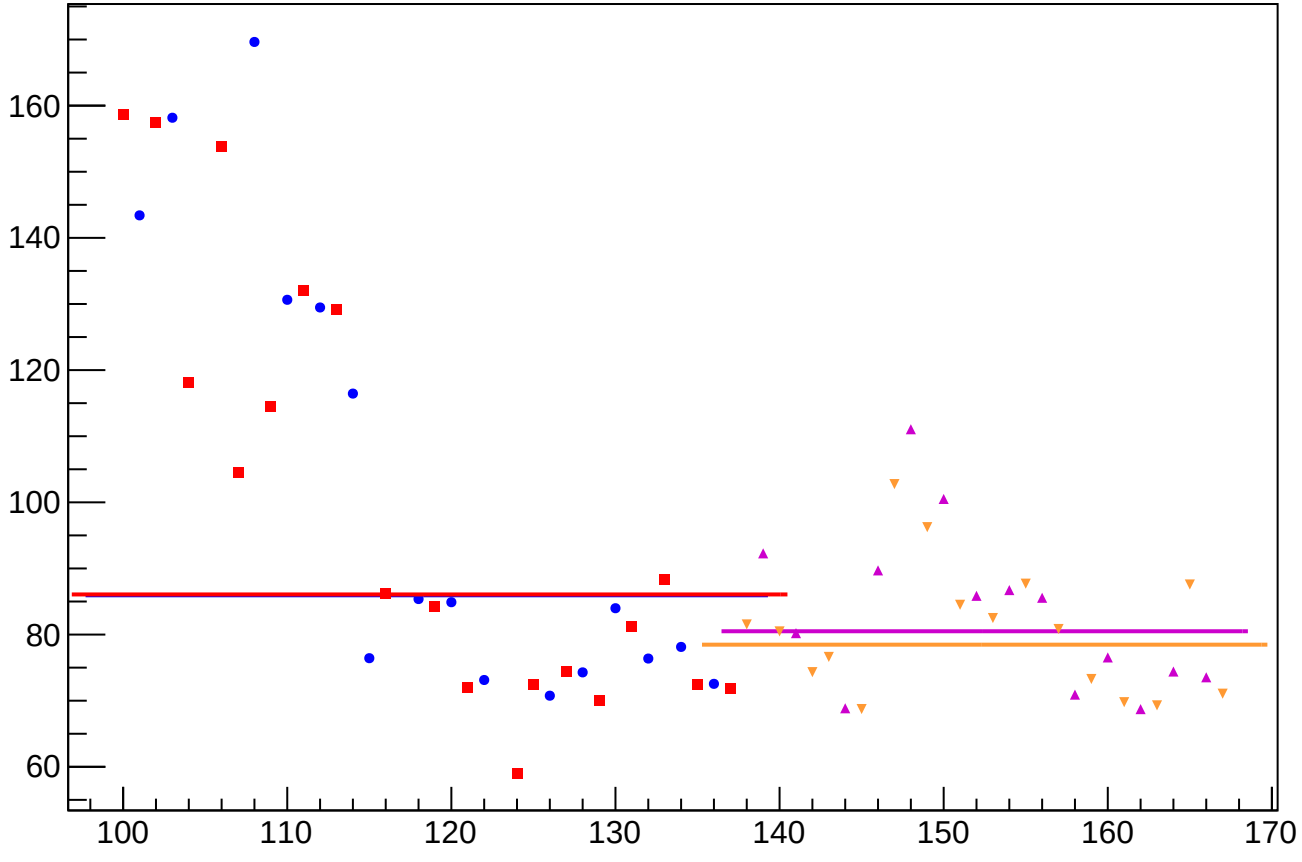
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.037+/-0.019 χ^2/NDF:29.7/29

Out: 0.002+/-0.018 χ^2/NDF:34.0/34

All: -0.016+/-0.013 χ^2/NDF: 65.8/64

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.473+/-0.016 χ^2/NDF:314299.9/15

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.502+/-0.017 χ^2/NDF:416837.2/13

Left: 79.410+/-0.012 χ^2/NDF: 738800.9/29

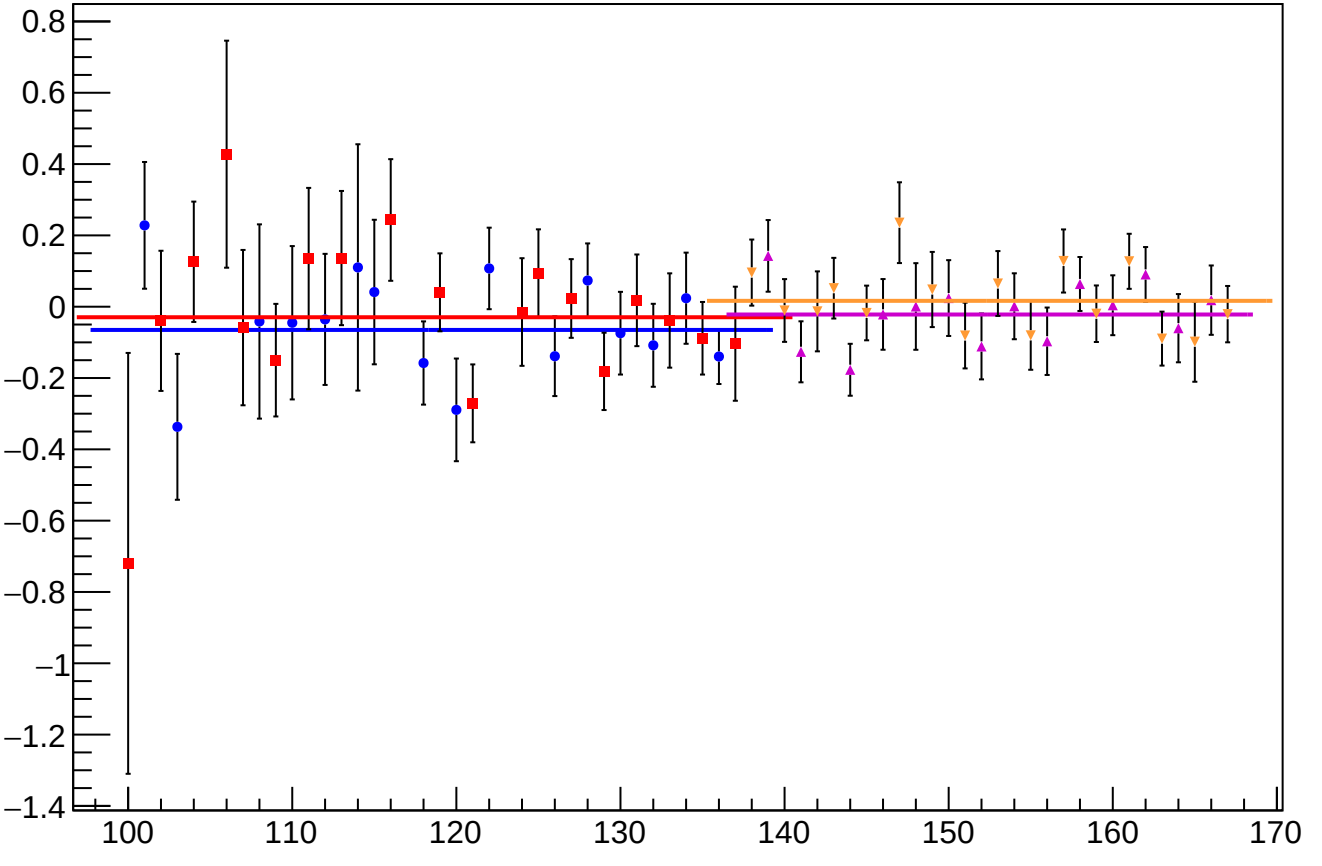
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 82.367+/-0.014 χ^2/NDF:1486904.8/29

Out: 80.855+/-0.013 χ^2/NDF:1378605.5/34

All: 81.569+/-0.009 χ^2/NDF: 2871852.4/64

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.024 χ^2/NDF:14.4/13

Left: -0.001+/-0.016 χ^2/NDF: 30.4/29

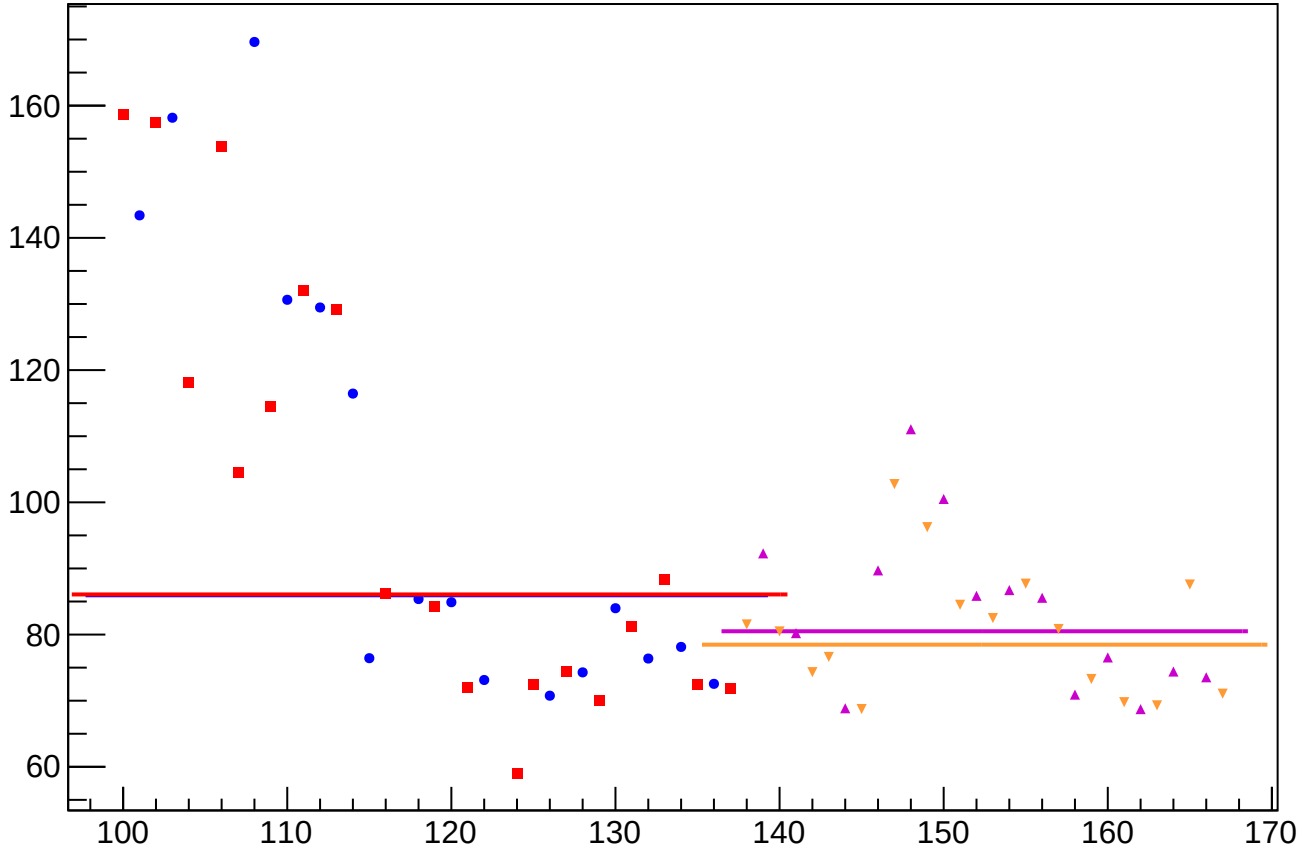
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.037+/-0.019 χ^2/NDF:29.7/29

Out: 0.002+/-0.018 χ^2/NDF:34.0/34

All: -0.016+/-0.013 χ^2/NDF: 65.8/64

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.473+/-0.016 χ^2/NDF:314299.9/15

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.502+/-0.017 χ^2/NDF:416837.2/13

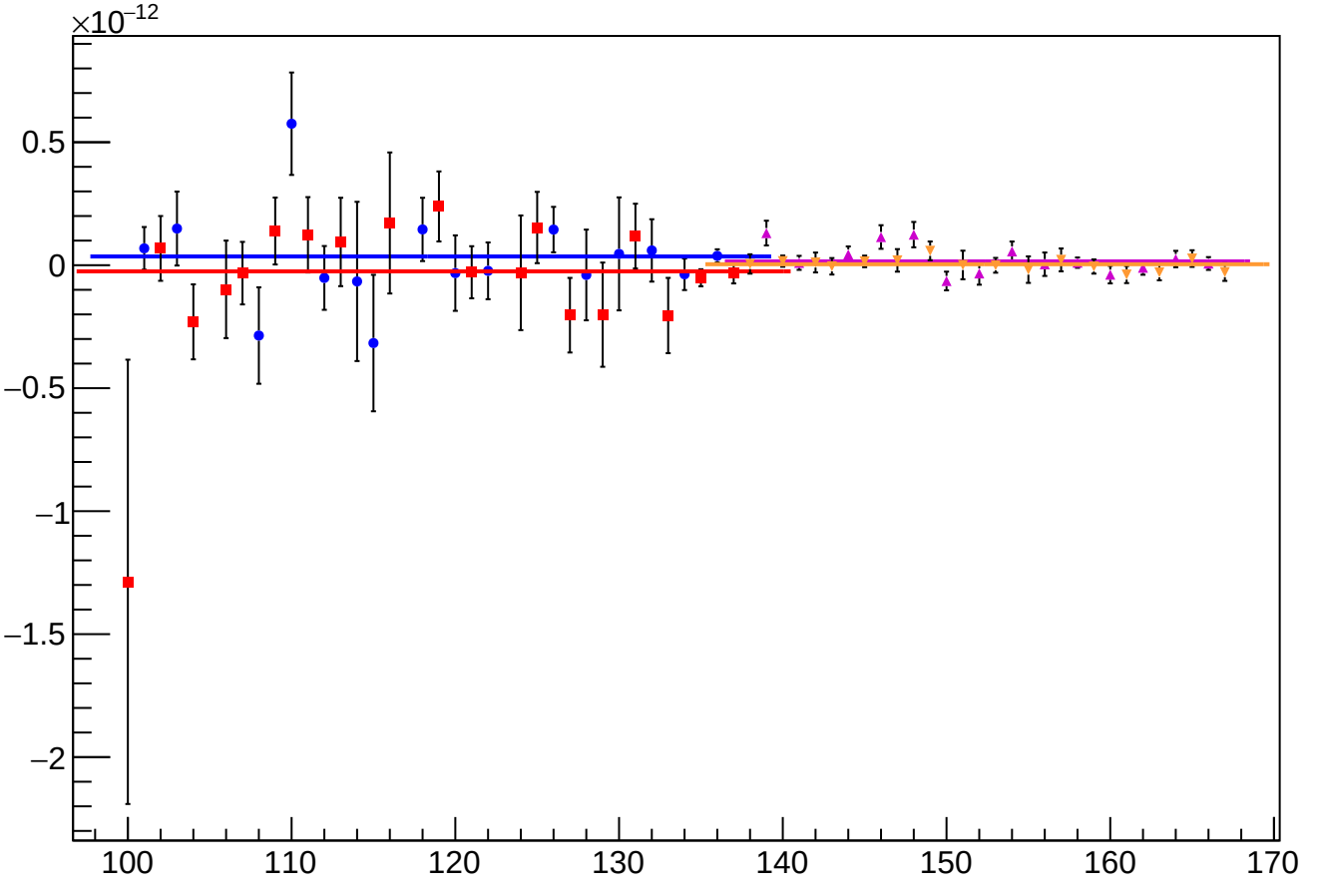
Left: 79.410+/-0.012 χ^2/NDF: 738800.9/29

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 82.367+/-0.014 χ^2/NDF:1486904.8/29

Out: 80.855+/-0.013 χ^2/NDF:1378605.5/34

All: 81.569+/-0.009 χ^2/NDF: 2871852.4/64



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.7/13

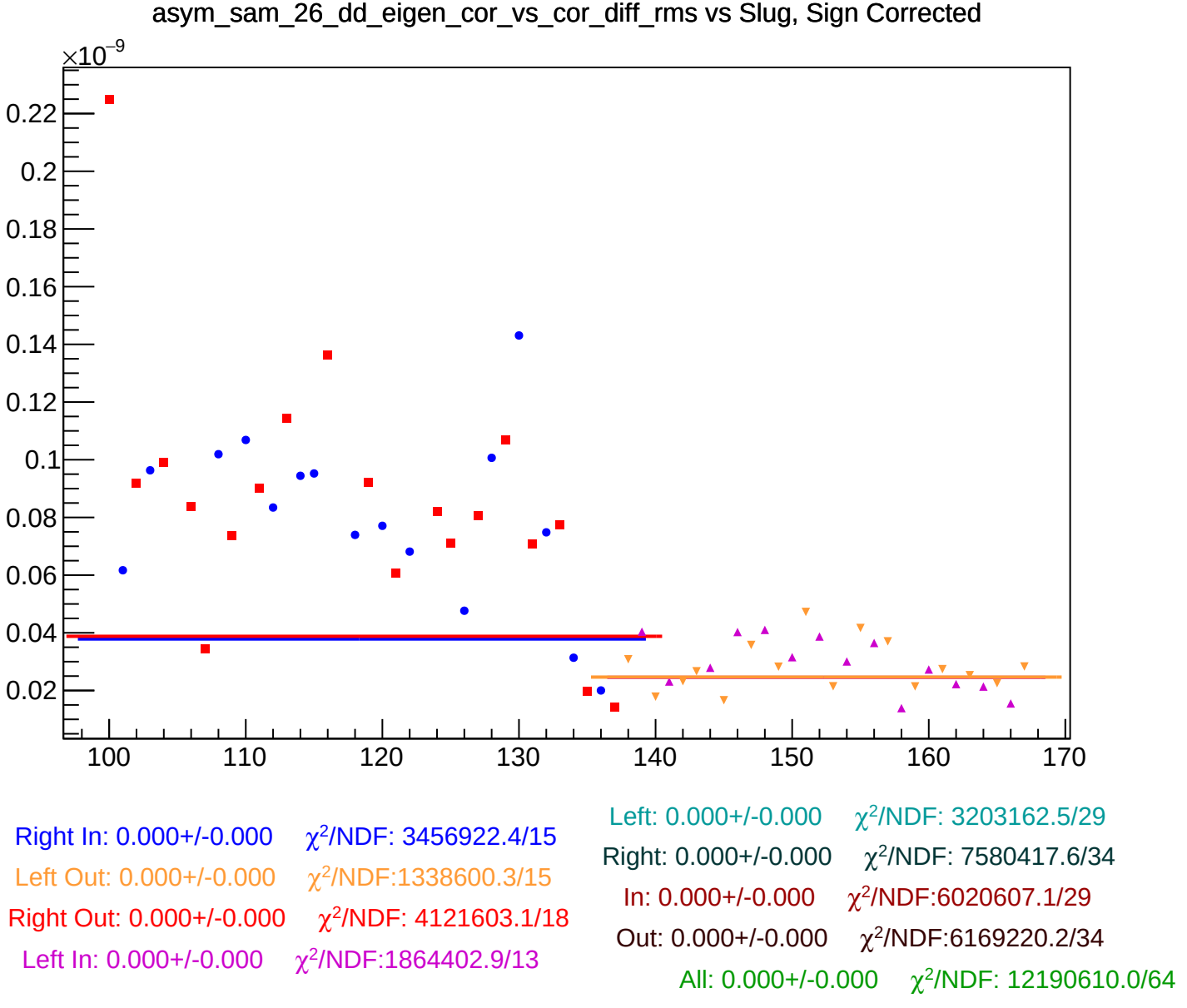
Left: 0.000+/-0.000 χ^2/NDF: 32.6/29

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

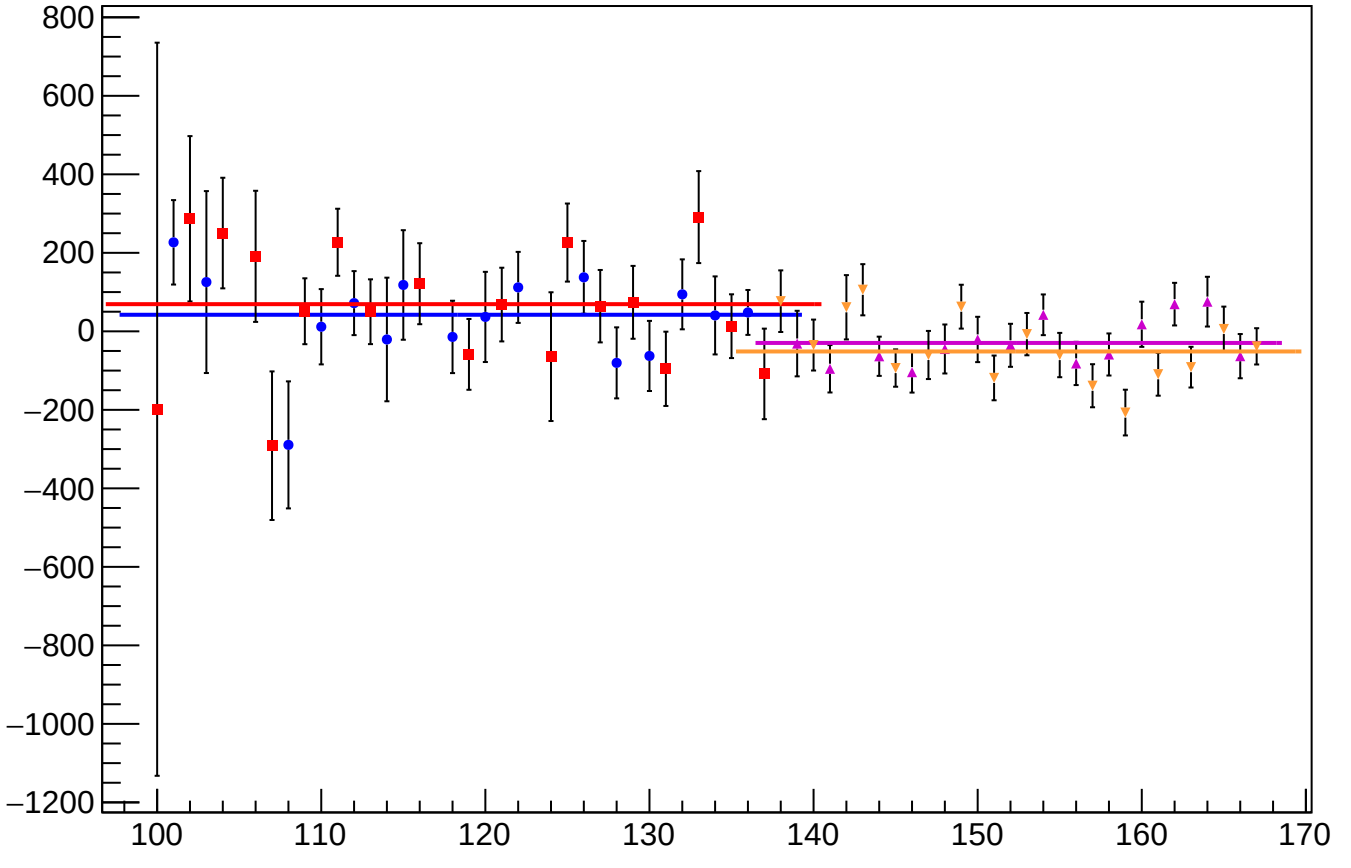
In: 0.000+/-0.000 χ^2/NDF:41.9/29

Out: 0.000+/-0.000 χ^2/NDF:26.4/34

All: 0.000+/-0.000 χ^2/NDF: 70.9/64


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1338600.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:1864402.9/13
Left: 0.000+/-0.000 χ²/NDF: 3203162.5/29
Right: 0.000+/-0.000 χ²/NDF: 7580417.6/34
In: 0.000+/-0.000 χ²/NDF:6020607.1/29
Out: 0.000+/-0.000 χ²/NDF:6169220.2/34
All: 0.000+/-0.000 χ²/NDF: 12190610.0/64

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -51.273+/-14.303 χ^2/NDF:30.0/15

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -29.542+/-15.192 χ^2/NDF:14.0/13

Left: -41.063+/-10.414 χ^2/NDF: 45.1/29

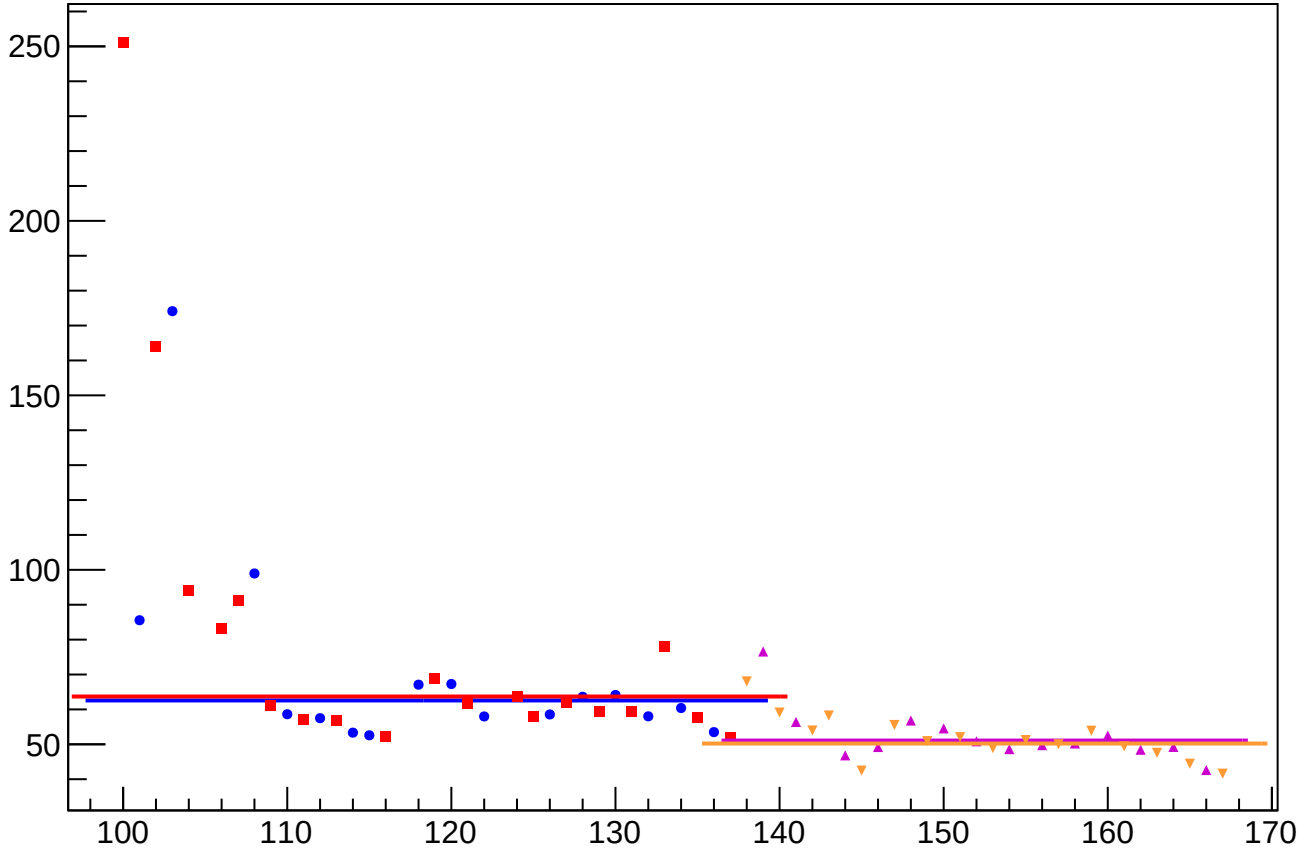
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -9.264+/-12.868 χ^2/NDF:33.9/29

Out: -20.486+/-12.341 χ^2/NDF:73.5/34

All: -15.109+/-8.907 χ^2/NDF: 107.8/64

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 50.224+/-0.010 χ^2/NDF:351314.1/15

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 51.074+/-0.011 χ^2/NDF:302250.2/13

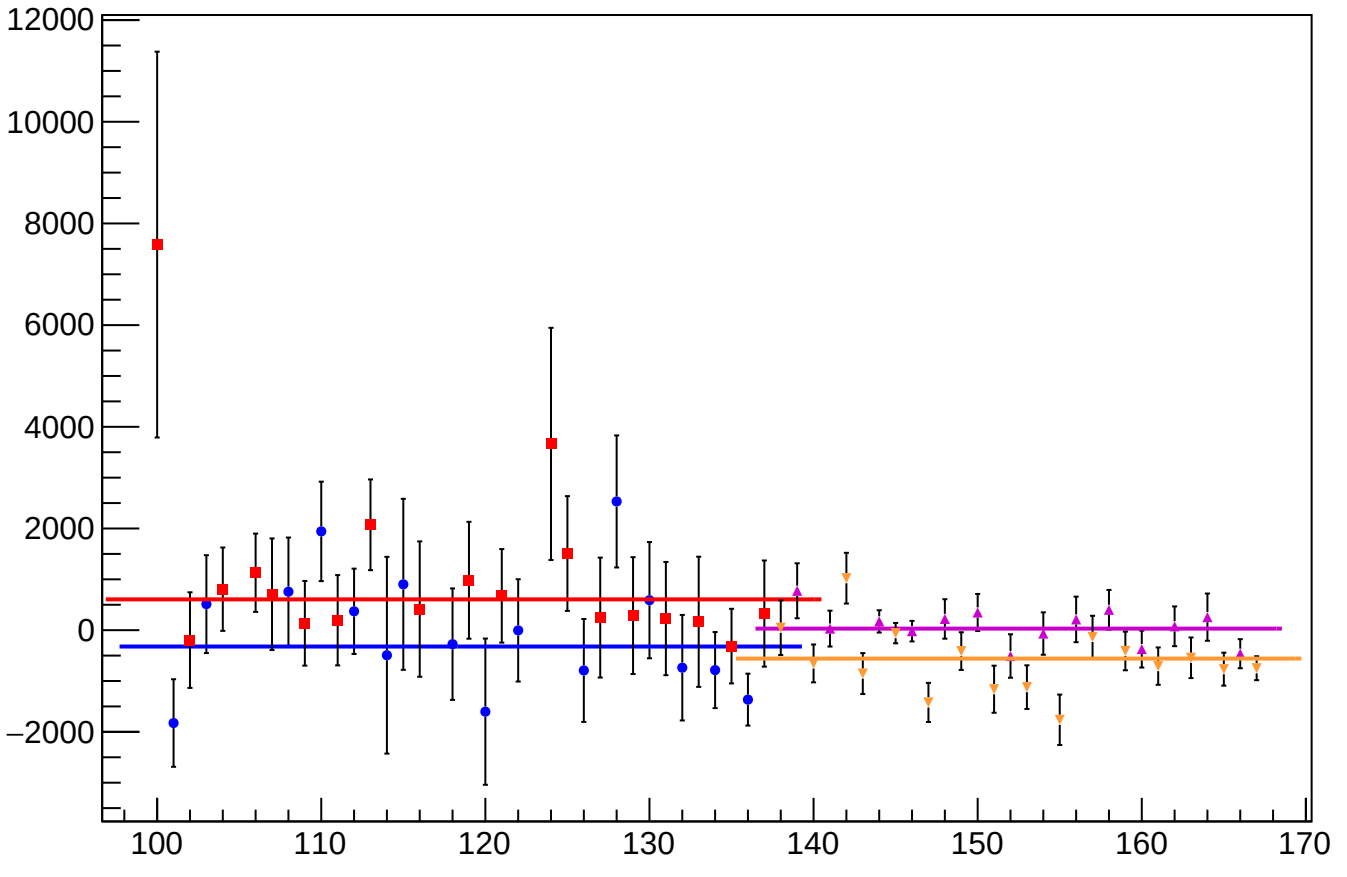
Left: 50.623+/-0.007 χ^2/NDF: 656883.5/29

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 54.321+/-0.009 χ^2/NDF:1384229.4/29

Out: 53.666+/-0.009 χ^2/NDF:1639013.2/34

All: 53.980+/-0.006 χ^2/NDF: 3025942.3/64



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -558.785+/-88.408 χ^2/NDF:35.1/15

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 30.456+/-89.625 χ^2/NDF:10.5/13

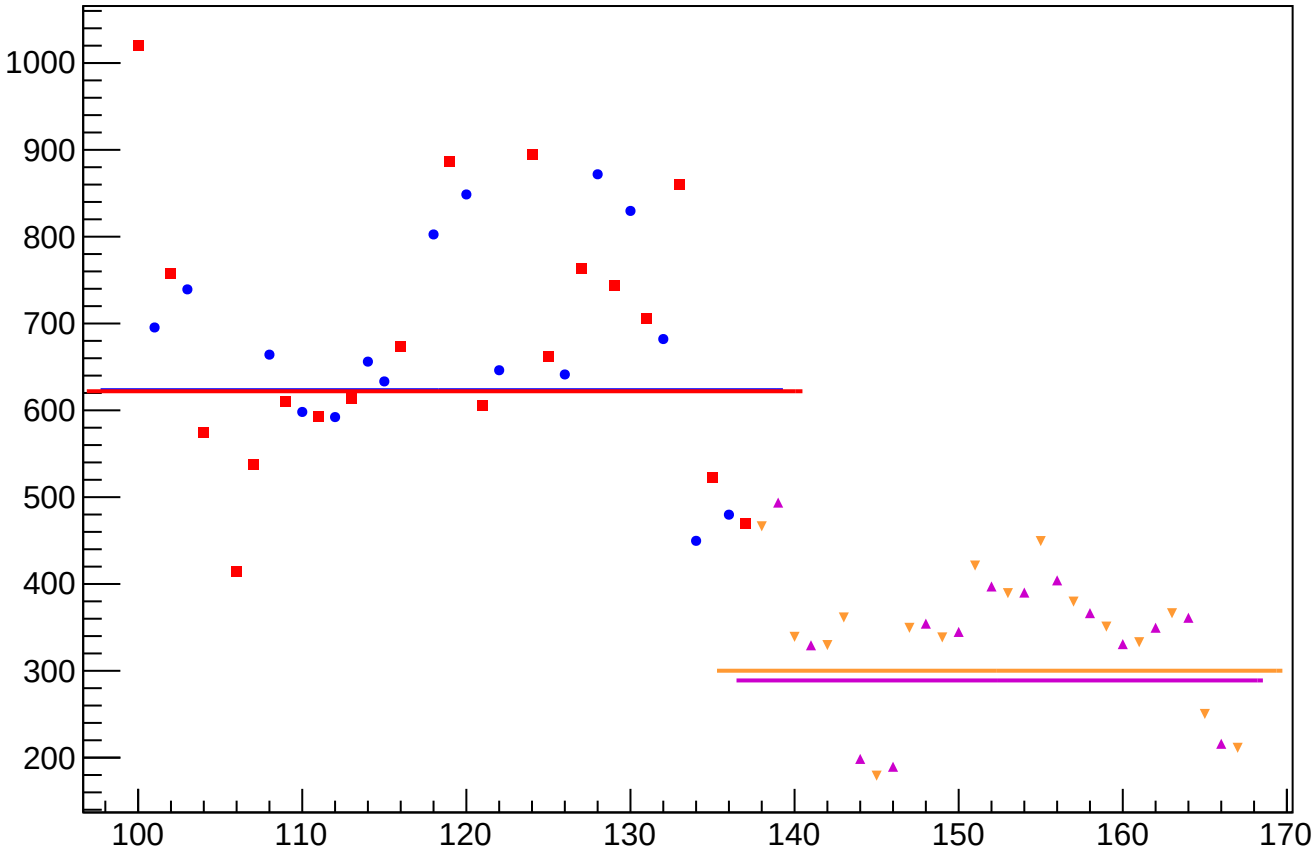
Left: -268.193+/-62.940 χ^2/NDF: 67.5/29

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -13.122+/-83.896 χ^2/NDF:35.2/29

Out: -412.918+/-82.686 χ^2/NDF:69.3/34

All: -215.923+/-58.891 χ^2/NDF: 116.0/64



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 300.106+/-0.063 χ^2/NDF:1966198.6/15

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 288.907+/-0.063 χ^2/NDF:1947482.1/13

Left: 294.583+/-0.045 χ^2/NDF: 3929506.8/29

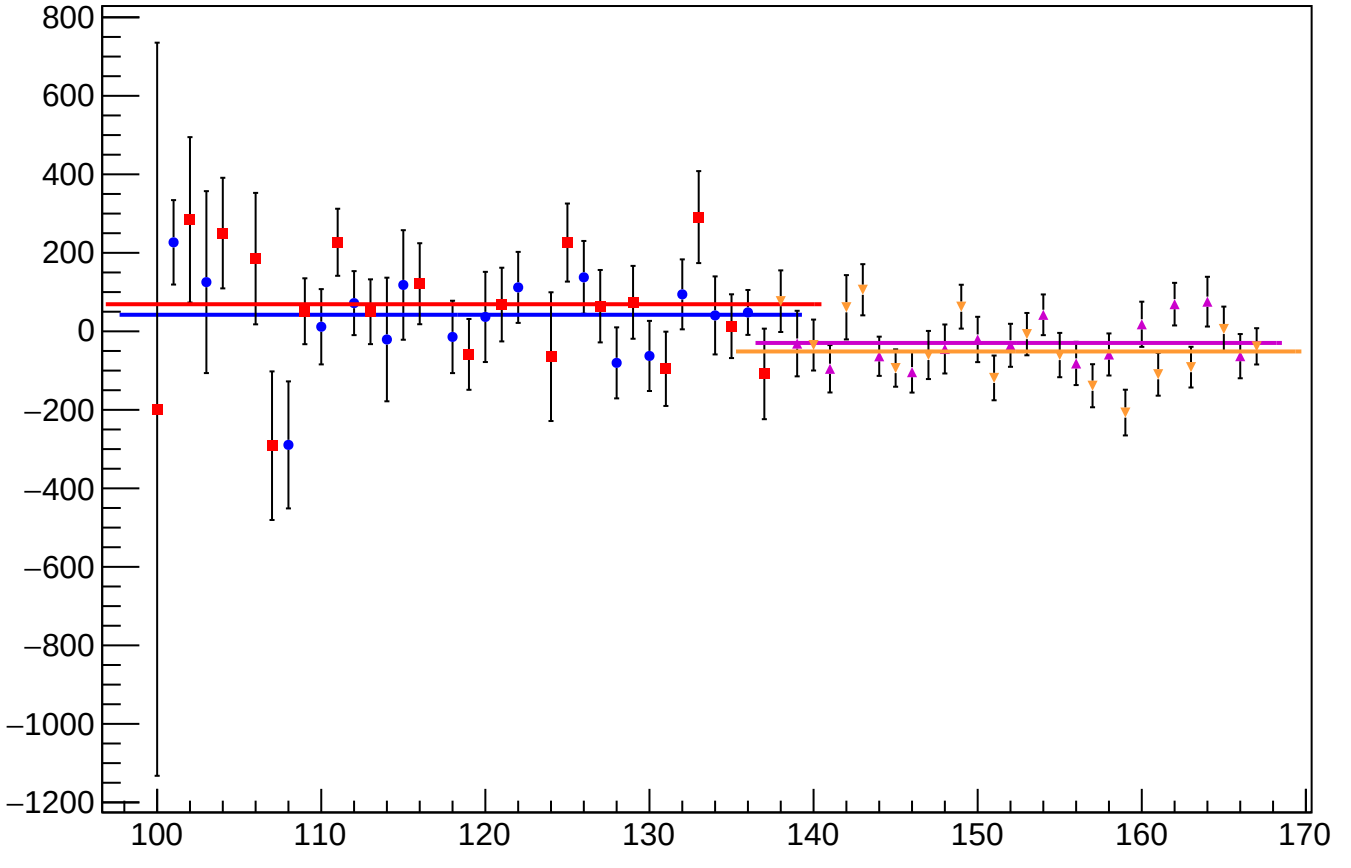
Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 330.276+/-0.059 χ^2/NDF:5956079.7/29

Out: 340.419+/-0.058 χ^2/NDF:5869017.6/34

All: 335.421+/-0.042 χ^2/NDF: 11839924.4/64

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -51.269+/-14.303 χ^2/NDF:30.0/15

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -29.542+/-15.192 χ^2/NDF:14.0/13

Left: -41.061+/-10.414 χ^2/NDF: 45.1/29

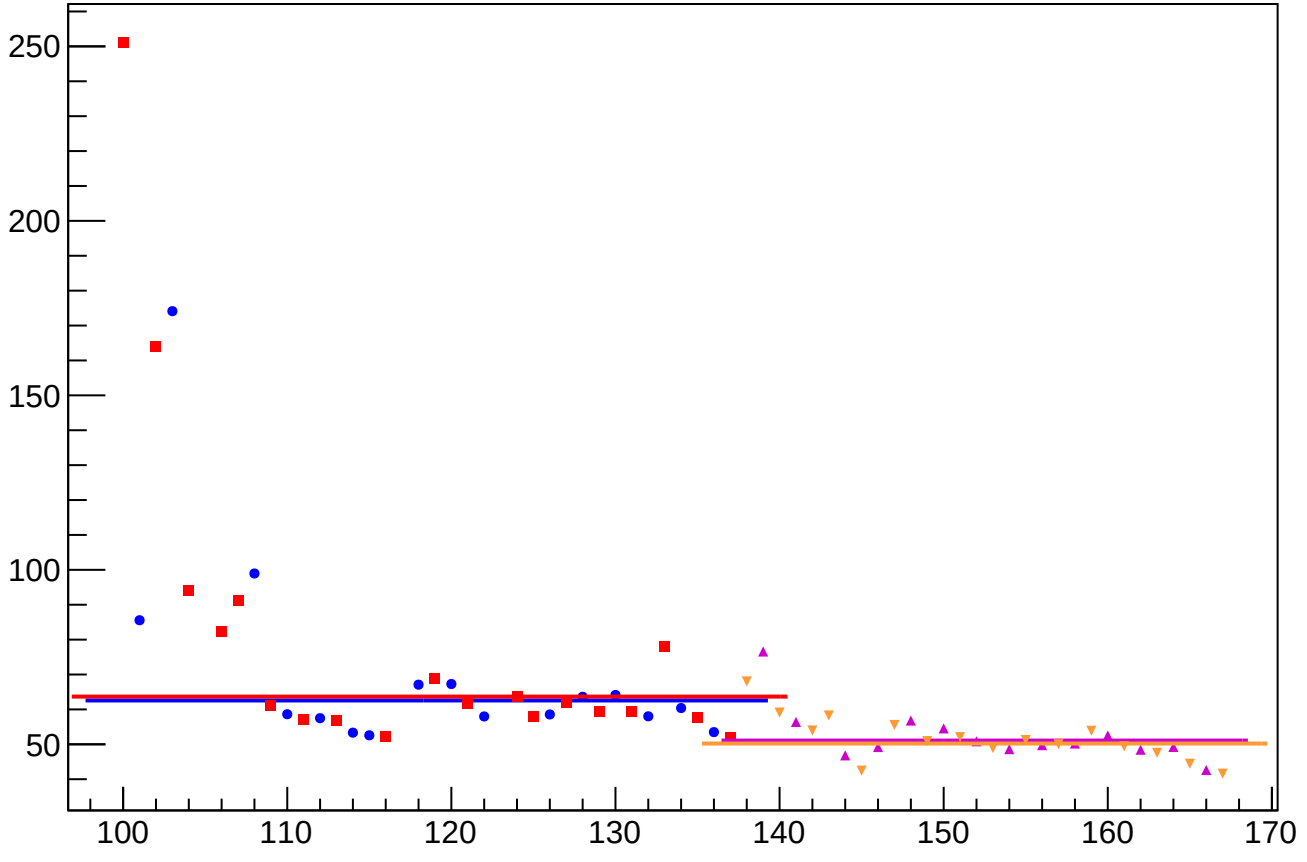
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -9.266+/-12.868 χ^2/NDF:33.9/29

Out: -20.532+/-12.342 χ^2/NDF:73.4/34

All: -15.134+/-8.907 χ^2/NDF: 107.6/64

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 50.224+/-0.010 χ^2/NDF:351314.0/15

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.074+/-0.011 χ^2/NDF:302250.2/13

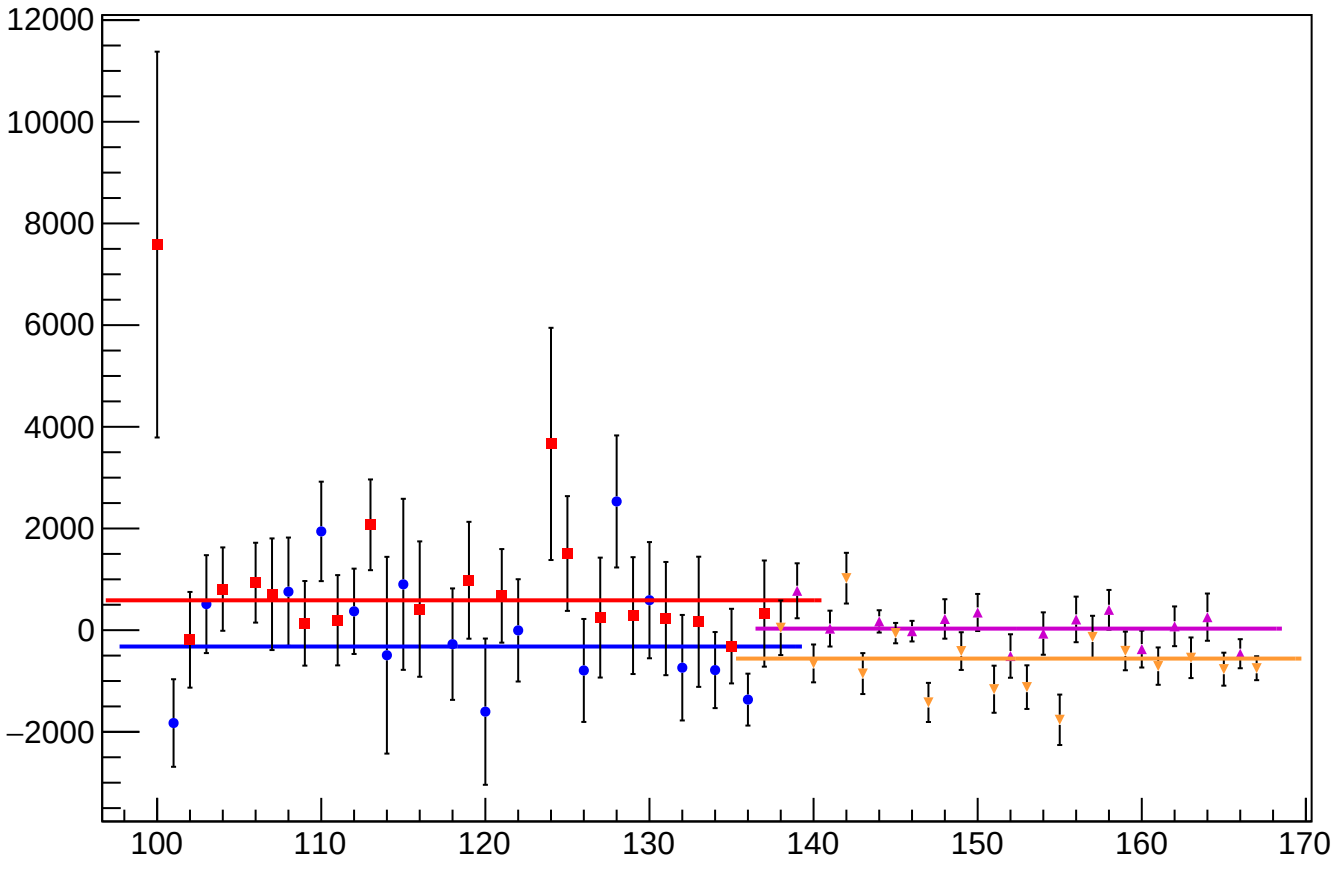
Left: 50.623+/-0.007 χ^2/NDF: 656883.4/29

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 54.321+/-0.009 χ^2/NDF:1384231.3/29

Out: 53.659+/-0.009 χ^2/NDF:1634601.2/34

All: 53.976+/-0.006 χ^2/NDF: 3021585.8/64



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -558.778+/-88.408 χ^2/NDF:35.1/15

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 30.458+/-89.625 χ^2/NDF:10.5/13

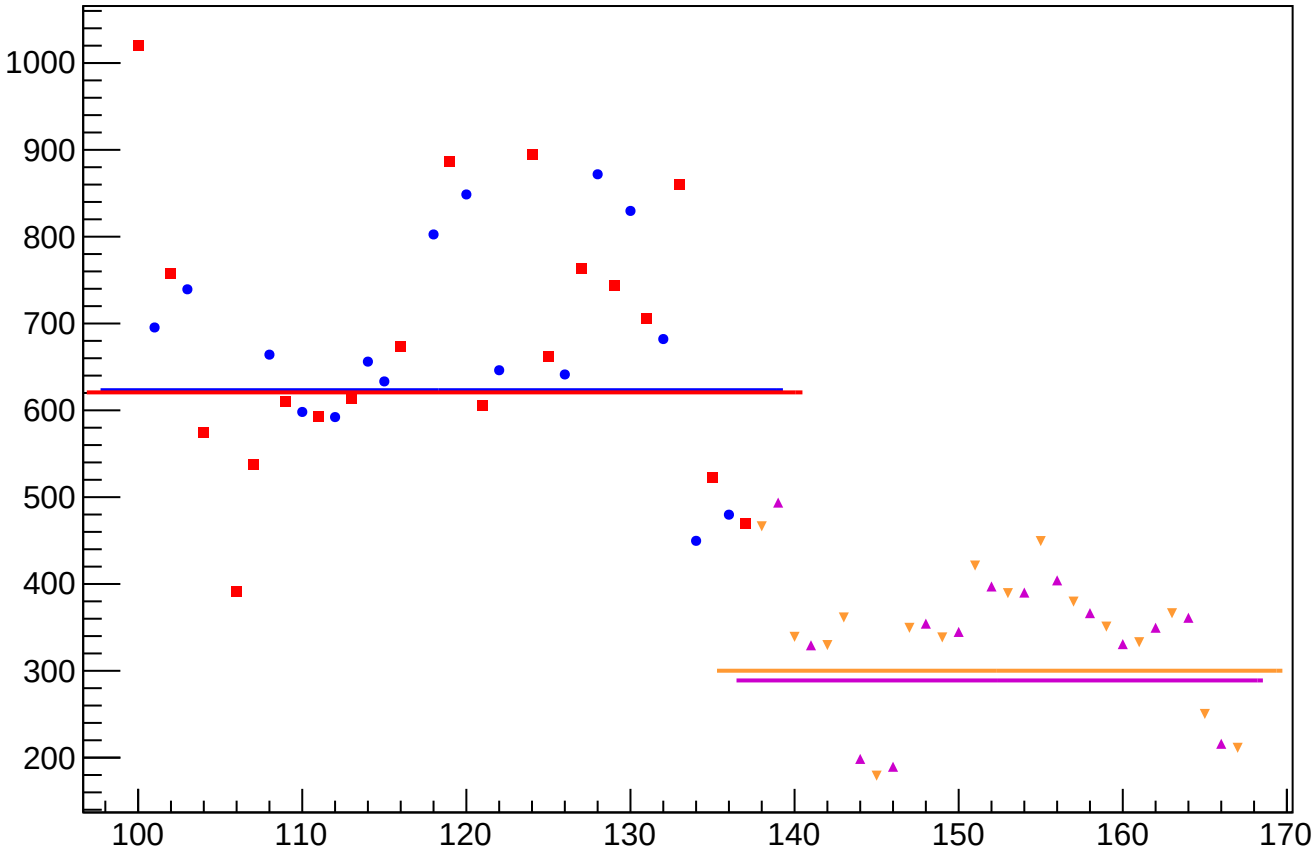
Left: -268.189+/-62.940 χ^2/NDF: 67.5/29

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -13.119+/-83.896 χ^2/NDF:35.2/29

Out: -415.715+/-82.706 χ^2/NDF:68.2/34

All: -217.294+/-58.898 χ^2/NDF: 115.1/64



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 300.105+/-0.063 χ^2/NDF:1966214.7/15

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 288.907+/-0.063 χ^2/NDF:1947486.1/13

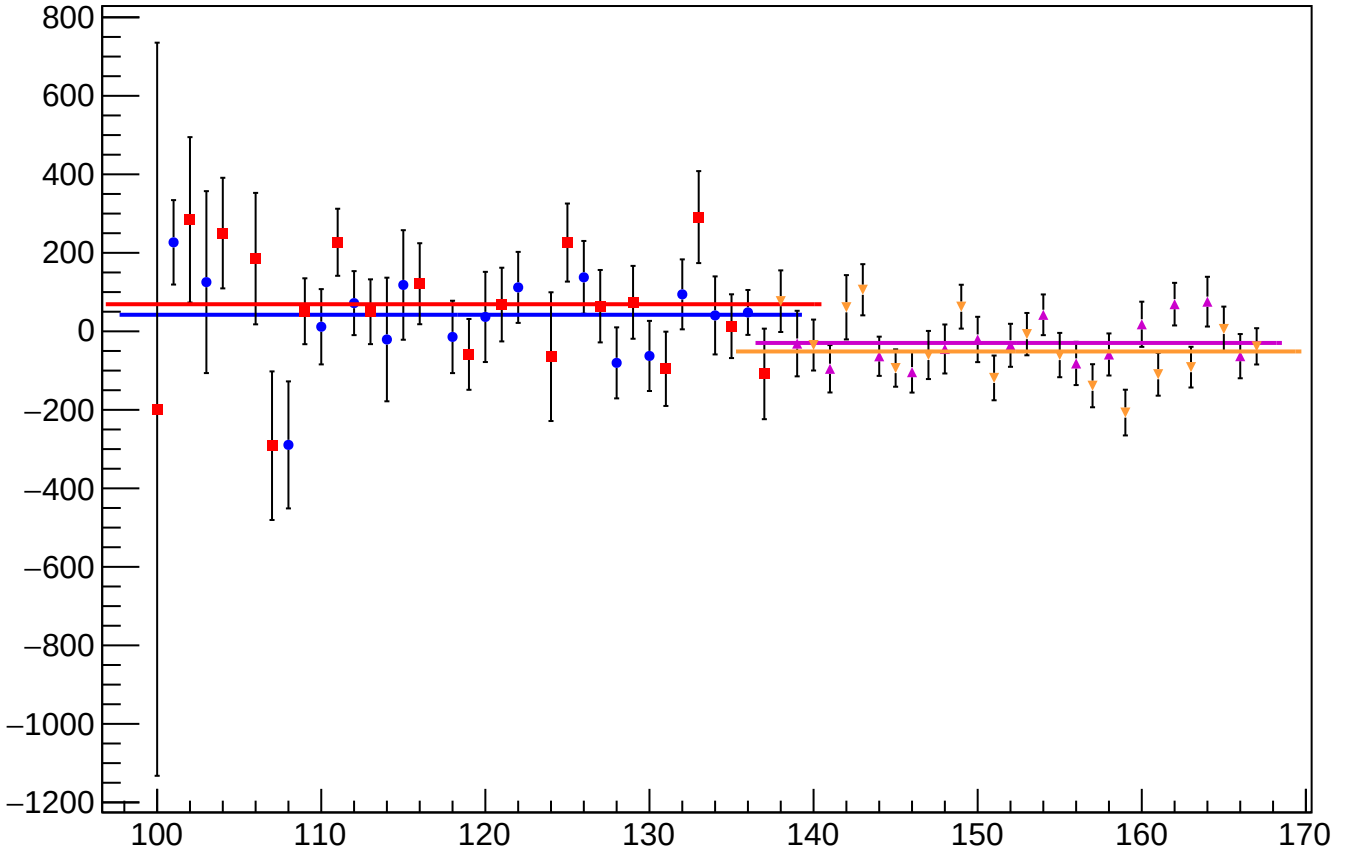
Left: 294.583+/-0.045 χ^2/NDF: 3929526.2/29

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

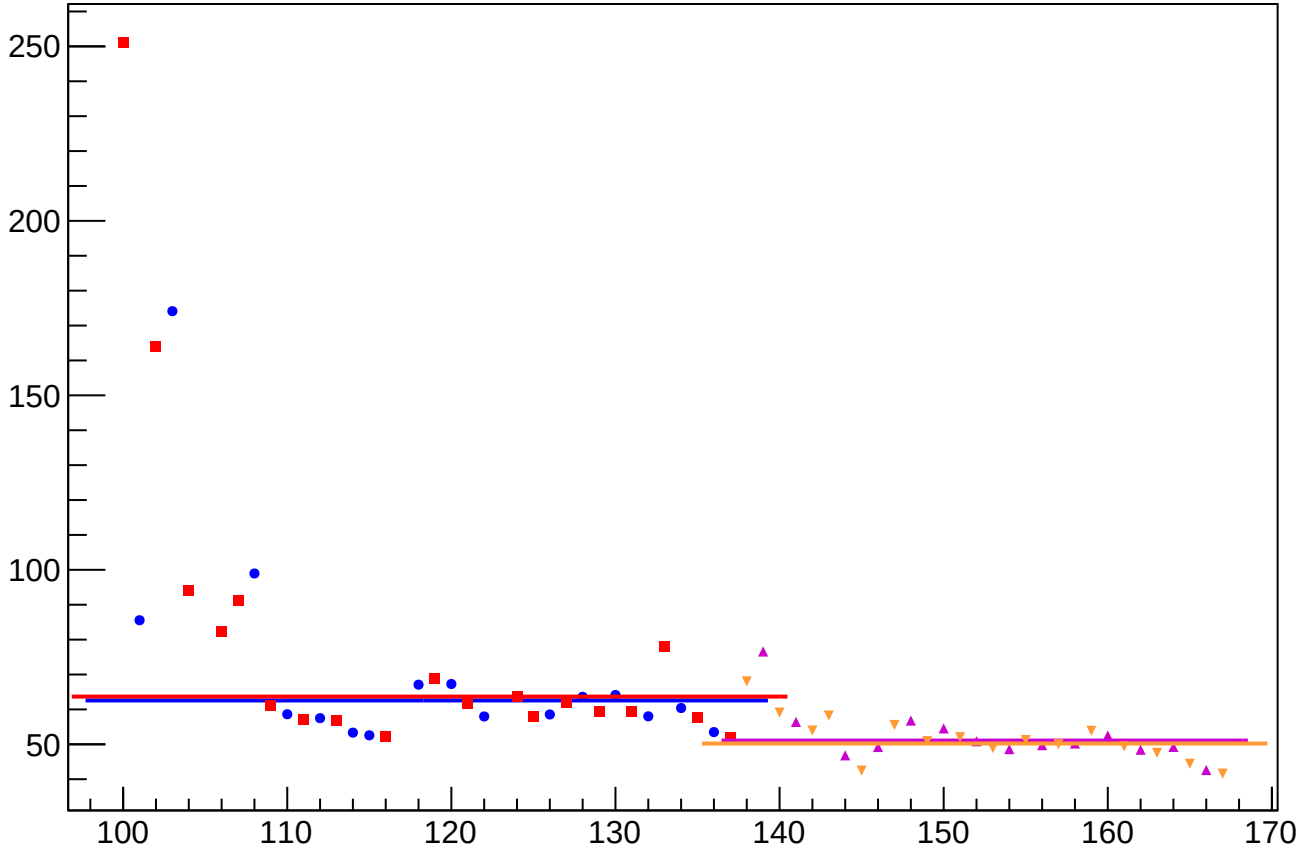
In: 330.276+/-0.059 χ^2/NDF:5956142.7/29

Out: 340.124+/-0.058 χ^2/NDF:5859425.3/34

All: 335.270+/-0.042 χ^2/NDF: 11829544.0/64


eigen_cor_asym_sam_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
Right In: 42.213+/-24.207 χ²/NDF: 13.6/15
Left Out: -51.269+/-14.303 χ²/NDF:30.0/15
Right Out: 69.068+/-24.420 χ²/NDF: 25.3/18
Left In: -29.542+/-15.192 χ²/NDF:14.0/13
Left: -41.061+/-10.414 χ²/NDF: 45.1/29
Right: 55.523+/-17.192 χ²/NDF: 39.4/34
In: -9.266+/-12.868 χ²/NDF:33.9/29
Out: -20.532+/-12.342 χ²/NDF:73.4/34
All: -15.134+/-8.907 χ²/NDF: 107.6/64

eigen_cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 50.224+/-0.010 χ^2/NDF:351314.0/15

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.074+/-0.011 χ^2/NDF:302250.2/13

Left: 50.623+/-0.007 χ^2/NDF: 656883.4/29

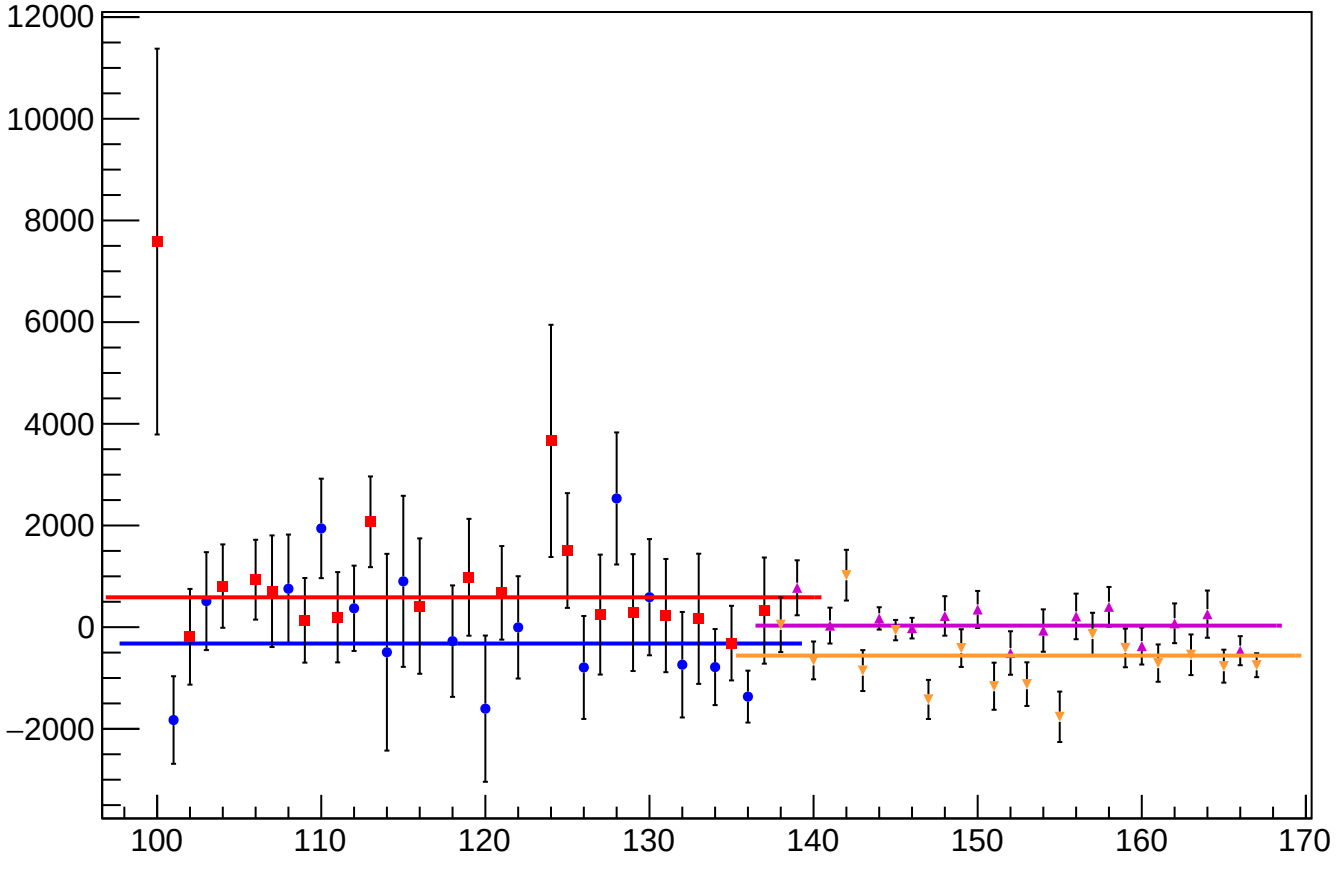
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 54.321+/-0.009 χ^2/NDF:1384231.3/29

Out: 53.659+/-0.009 χ^2/NDF:1634601.2/34

All: 53.976+/-0.006 χ^2/NDF: 3021585.8/64

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -558.778+/-88.408 χ^2/NDF:35.1/15

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 30.458+/-89.625 χ^2/NDF:10.5/13

Left: -268.189+/-62.940 χ^2/NDF: 67.5/29

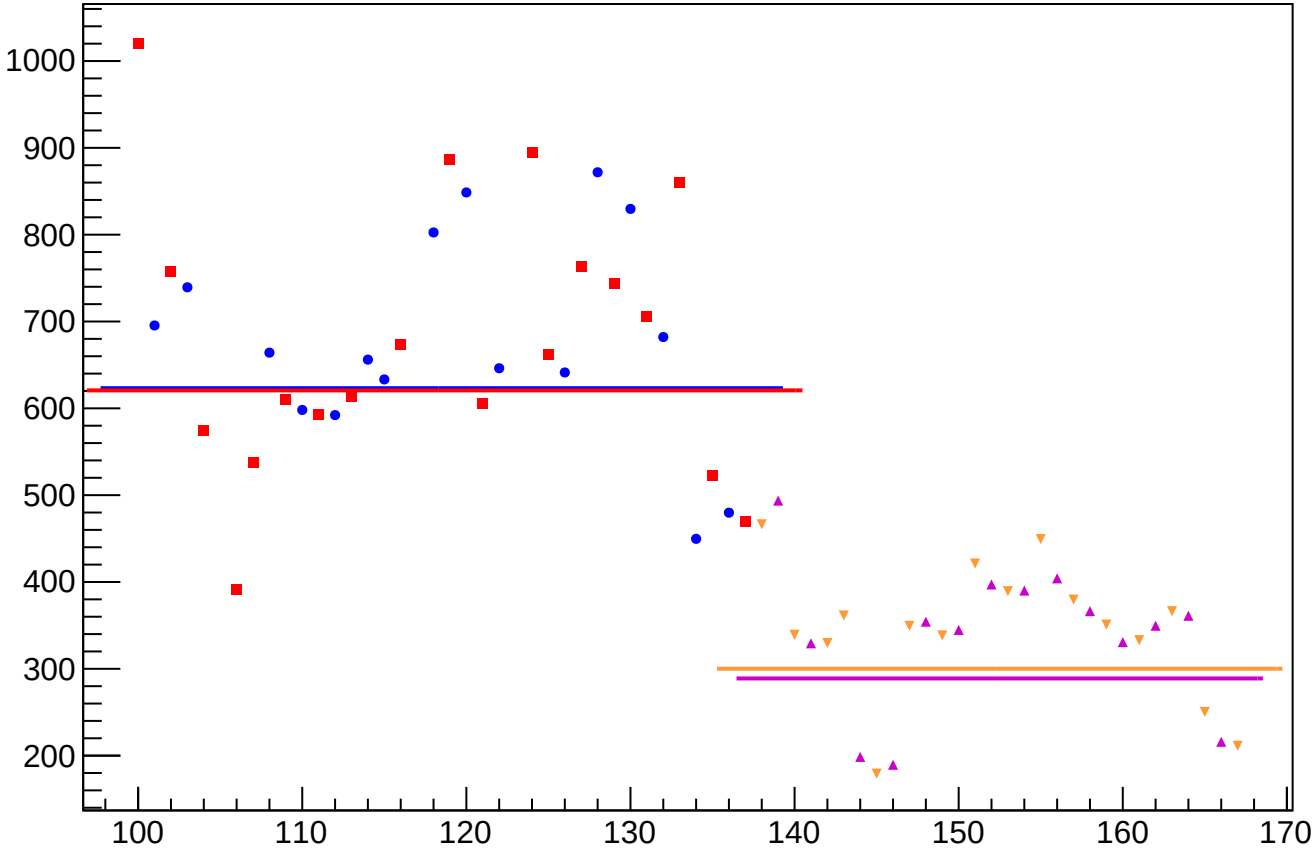
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -13.119+/-83.896 χ^2/NDF:35.2/29

Out: -415.715+/-82.706 χ^2/NDF:68.2/34

All: -217.294+/-58.898 χ^2/NDF: 115.1/64

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 300.105+/-0.063 χ^2/NDF:1966214.7/15

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 288.907+/-0.063 χ^2/NDF:1947486.1/13

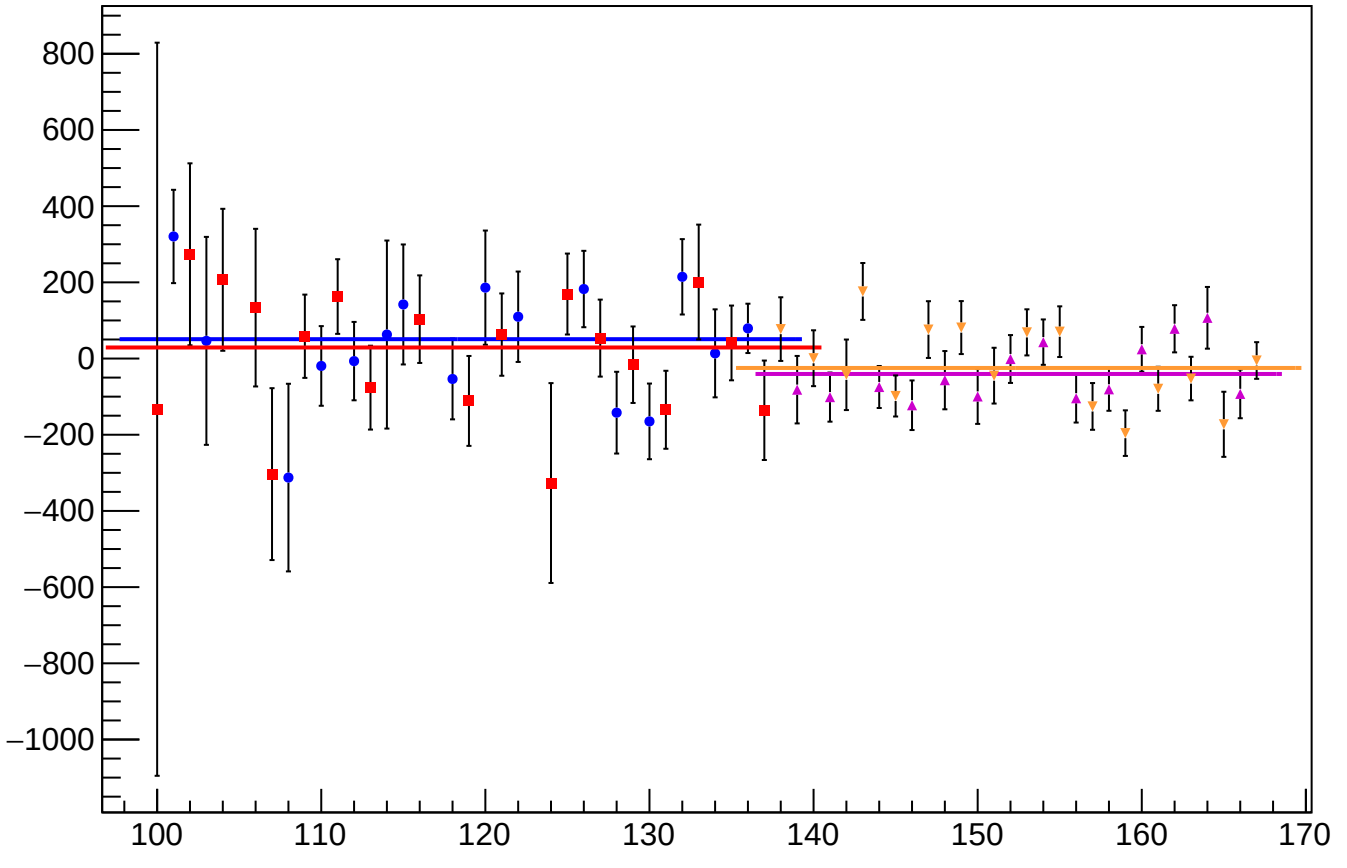
Left: 294.583+/-0.045 χ^2/NDF: 3929526.2/29

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 330.276+/-0.059 χ^2/NDF:5956142.7/29

Out: 340.124+/-0.058 χ^2/NDF:5859425.3/34

All: 335.270+/-0.042 χ^2/NDF: 11829544.0/64



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -24.707+/-16.306 χ^2/NDF:34.6/15

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -40.488+/-17.304 χ^2/NDF:16.5/13

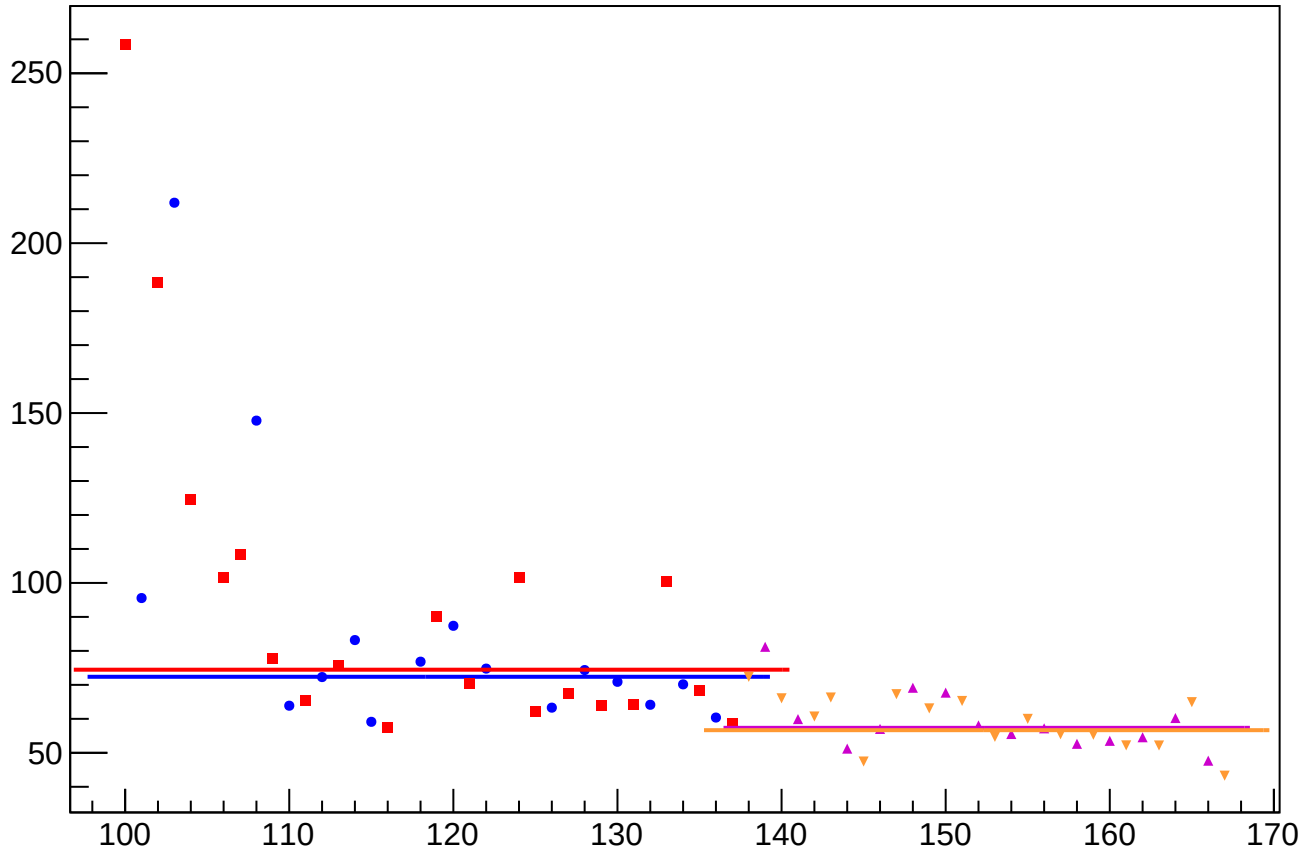
Left: -32.129+/-11.867 χ^2/NDF: 51.6/29

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -15.655+/-14.765 χ^2/NDF:47.0/29

Out: -11.735+/-14.203 χ^2/NDF:55.7/34

All: -13.619+/-10.236 χ^2/NDF: 102.7/64



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 56.664+/-0.012 χ^2/NDF:490653.2/15

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 57.352+/-0.012 χ^2/NDF:338648.7/13

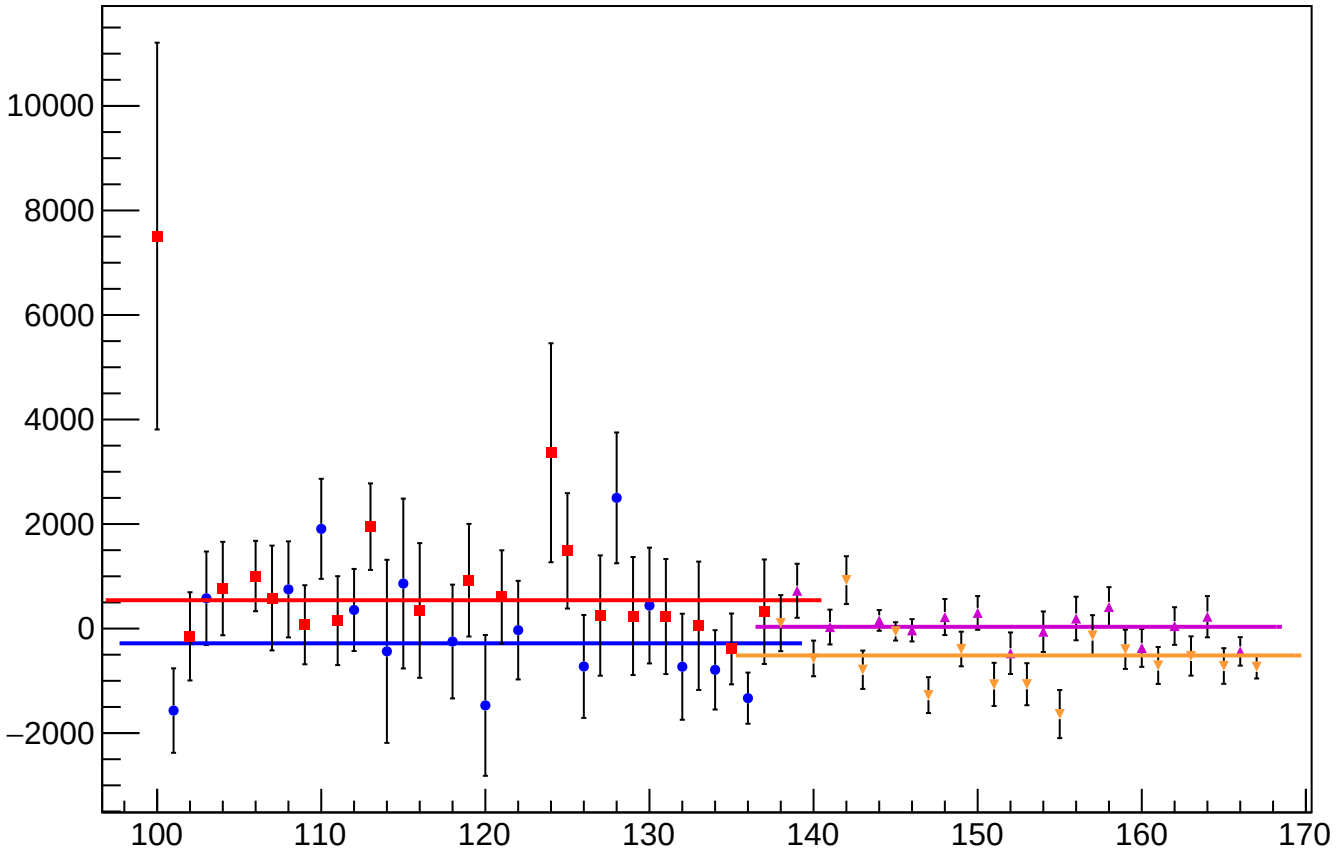
Left: 56.987+/-0.008 χ^2/NDF: 830976.1/29

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 61.437+/-0.010 χ^2/NDF:1686879.1/29

Out: 60.960+/-0.010 χ^2/NDF:2118140.2/34

All: 61.189+/-0.007 χ^2/NDF: 3806106.6/64



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -514.304+/-82.163 χ^2/NDF:36.0/15

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 33.447+/-84.848 χ^2/NDF:10.5/13

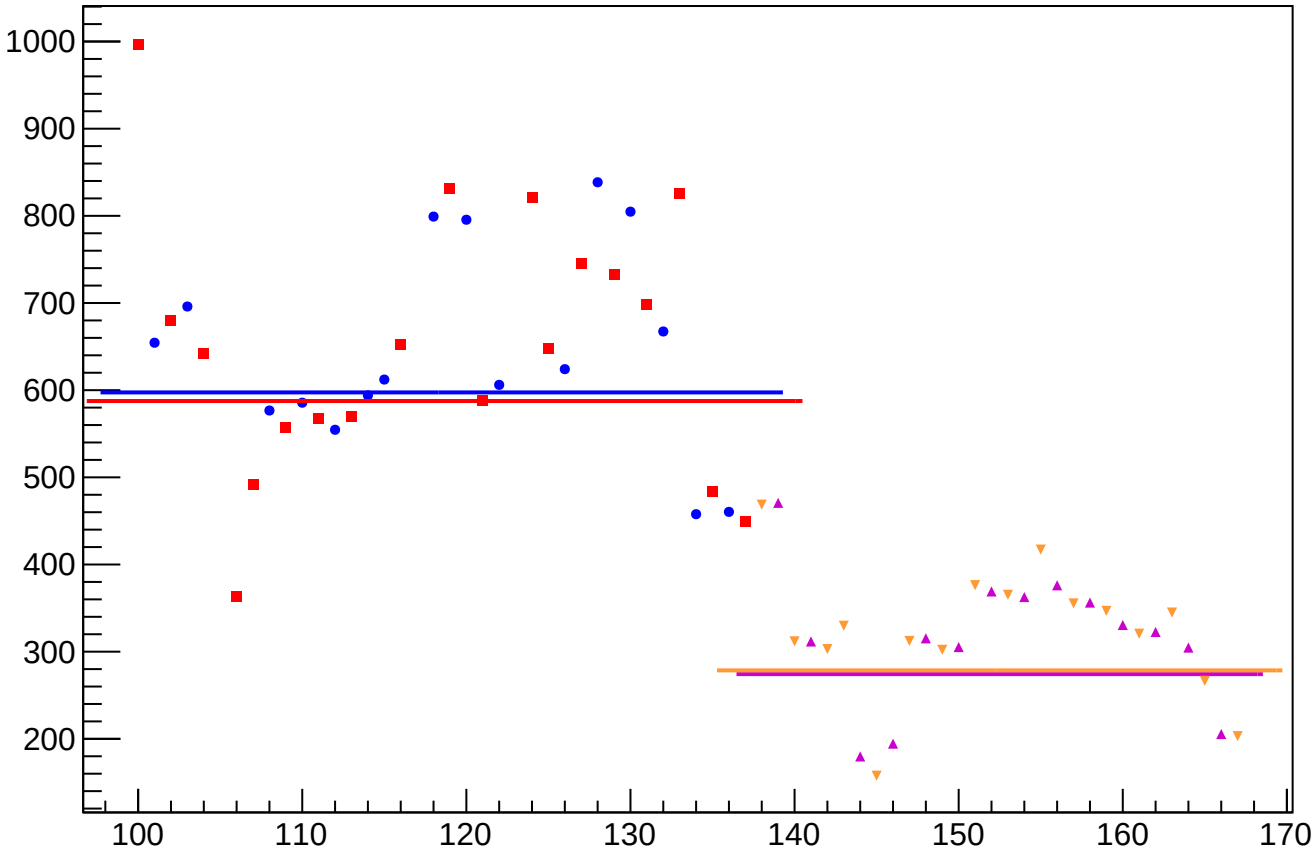
Left: -249.231+/-59.024 χ^2/NDF: 68.0/29

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -4.992+/-79.511 χ^2/NDF:35.0/29

Out: -385.932+/-77.009 χ^2/NDF:69.3/34

All: -201.550+/-55.317 χ^2/NDF: 116.2/64



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 278.536+/-0.058 χ^2/NDF:2139796.3/15

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 274.246+/-0.060 χ^2/NDF:1746036.5/13

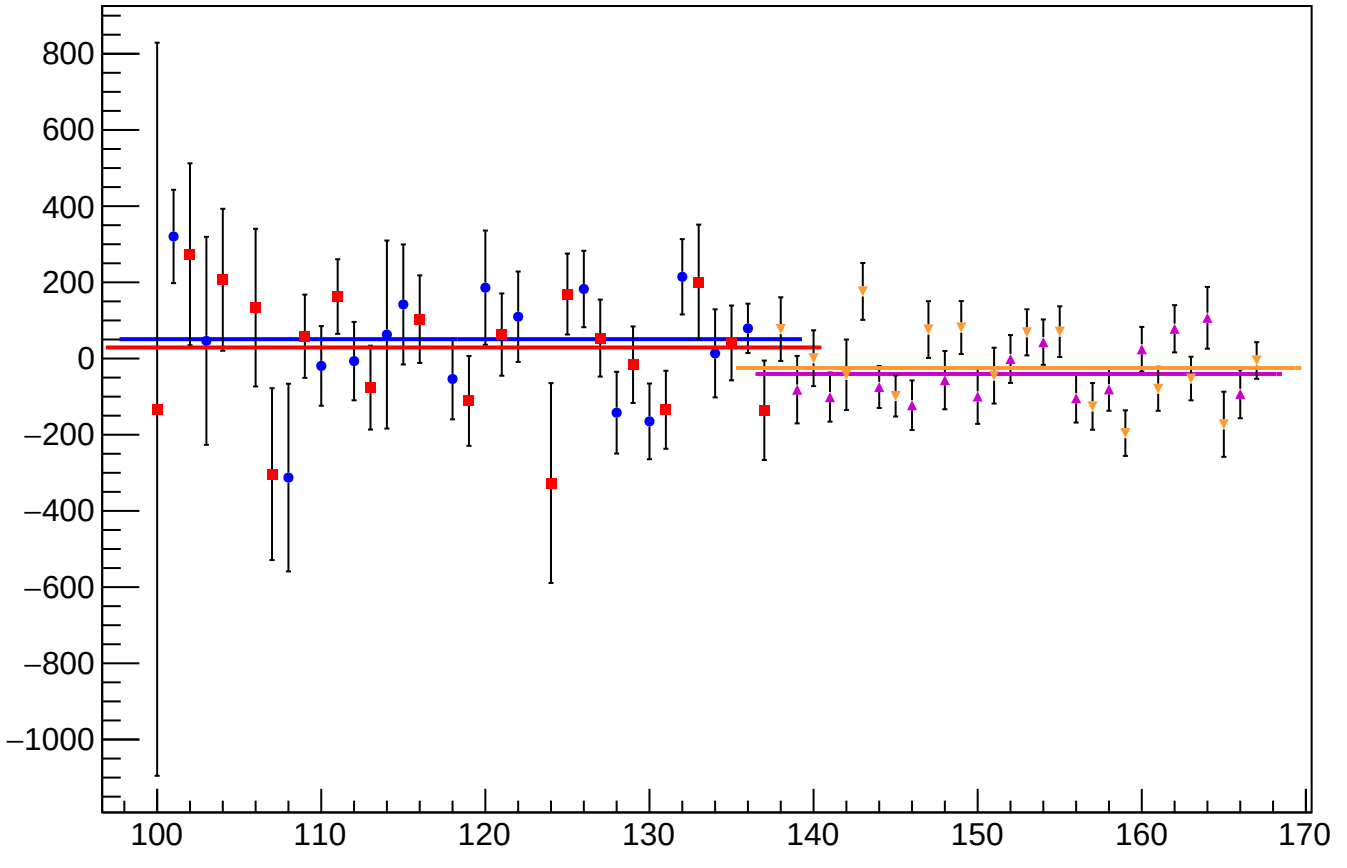
Left: 276.460+/-0.042 χ^2/NDF: 3888472.1/29

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 313.623+/-0.056 χ^2/NDF:5815398.7/29

Out: 316.092+/-0.054 χ^2/NDF:6267168.8/34

All: 314.897+/-0.039 χ^2/NDF: 12083562.0/64



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -24.706+/-16.306 χ^2/NDF:34.6/15

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -40.488+/-17.304 χ^2/NDF:16.5/13

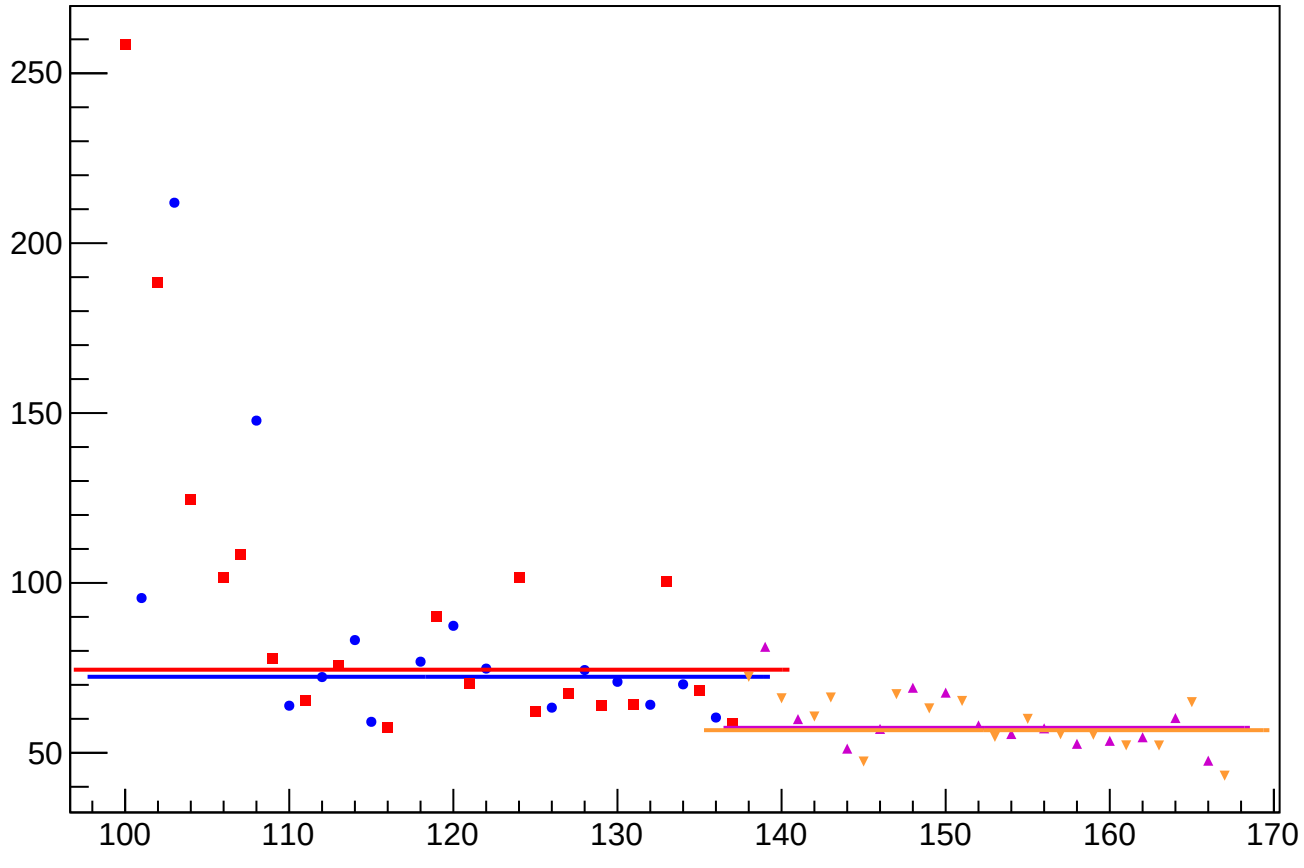
Left: -32.129+/-11.867 χ^2/NDF: 51.6/29

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -15.655+/-14.765 χ^2/NDF:47.0/29

Out: -11.735+/-14.203 χ^2/NDF:55.7/34

All: -13.619+/-10.236 χ^2/NDF: 102.7/64



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 56.664+/-0.012 χ^2/NDF:490669.0/15

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 57.352+/-0.012 χ^2/NDF:338652.9/13

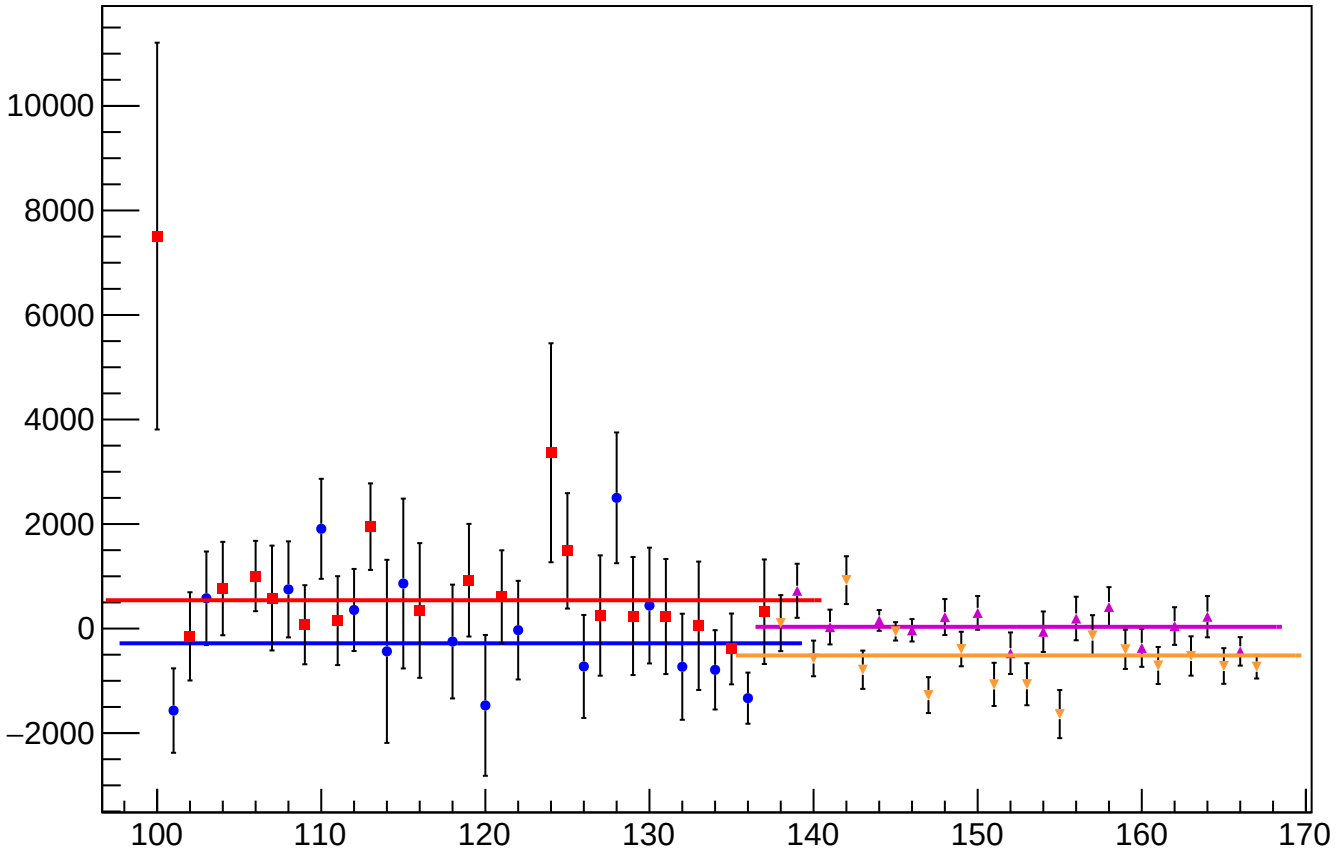
Left: 56.987+/-0.008 χ^2/NDF: 830996.0/29

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 61.437+/-0.010 χ^2/NDF:1686873.1/29

Out: 60.960+/-0.010 χ^2/NDF:2118135.1/34

All: 61.189+/-0.007 χ^2/NDF: 3806095.3/64



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -514.304+/-82.163 χ^2/NDF:36.0/15

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 33.447+/-84.848 χ^2/NDF:10.5/13

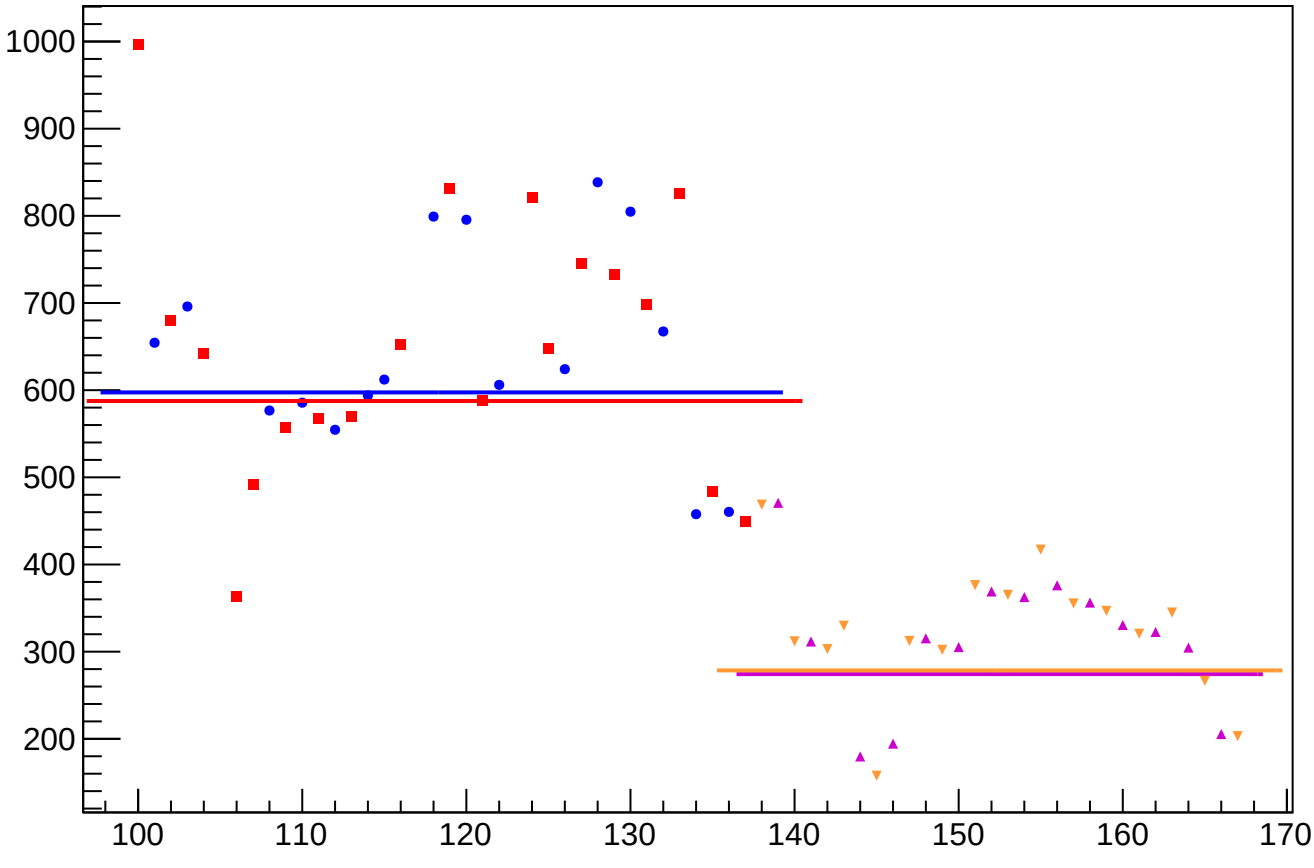
Left: -249.232+/-59.024 χ^2/NDF: 68.0/29

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -4.992+/-79.511 χ^2/NDF:35.0/29

Out: -385.932+/-77.009 χ^2/NDF:69.3/34

All: -201.550+/-55.317 χ^2/NDF: 116.2/64



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 278.536+/-0.058 χ^2/NDF:2139787.2/15

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 274.246+/-0.060 χ^2/NDF:1746030.9/13

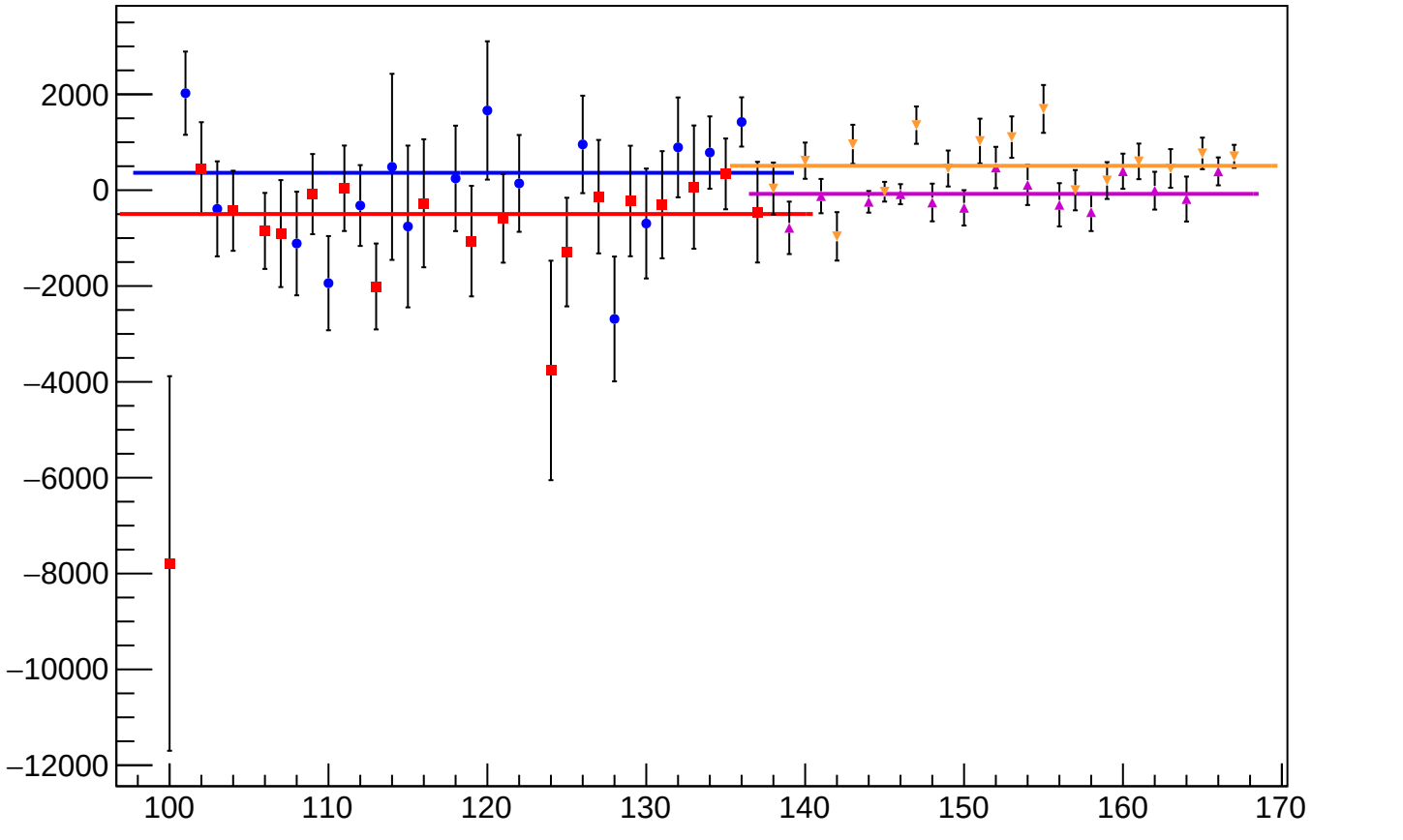
Left: 276.460+/-0.042 χ^2/NDF: 3888457.5/29

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 313.623+/-0.056 χ^2/NDF:5815402.8/29

Out: 316.091+/-0.054 χ^2/NDF:6267160.1/34

All: 314.897+/-0.039 χ^2/NDF: 12083557.5/64



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 508.982+/-89.810 χ^2/NDF:34.5/15

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -77.291+/-91.333 χ^2/NDF:10.4/13

Left: 220.776+/-64.037 χ^2/NDF: 65.8/29

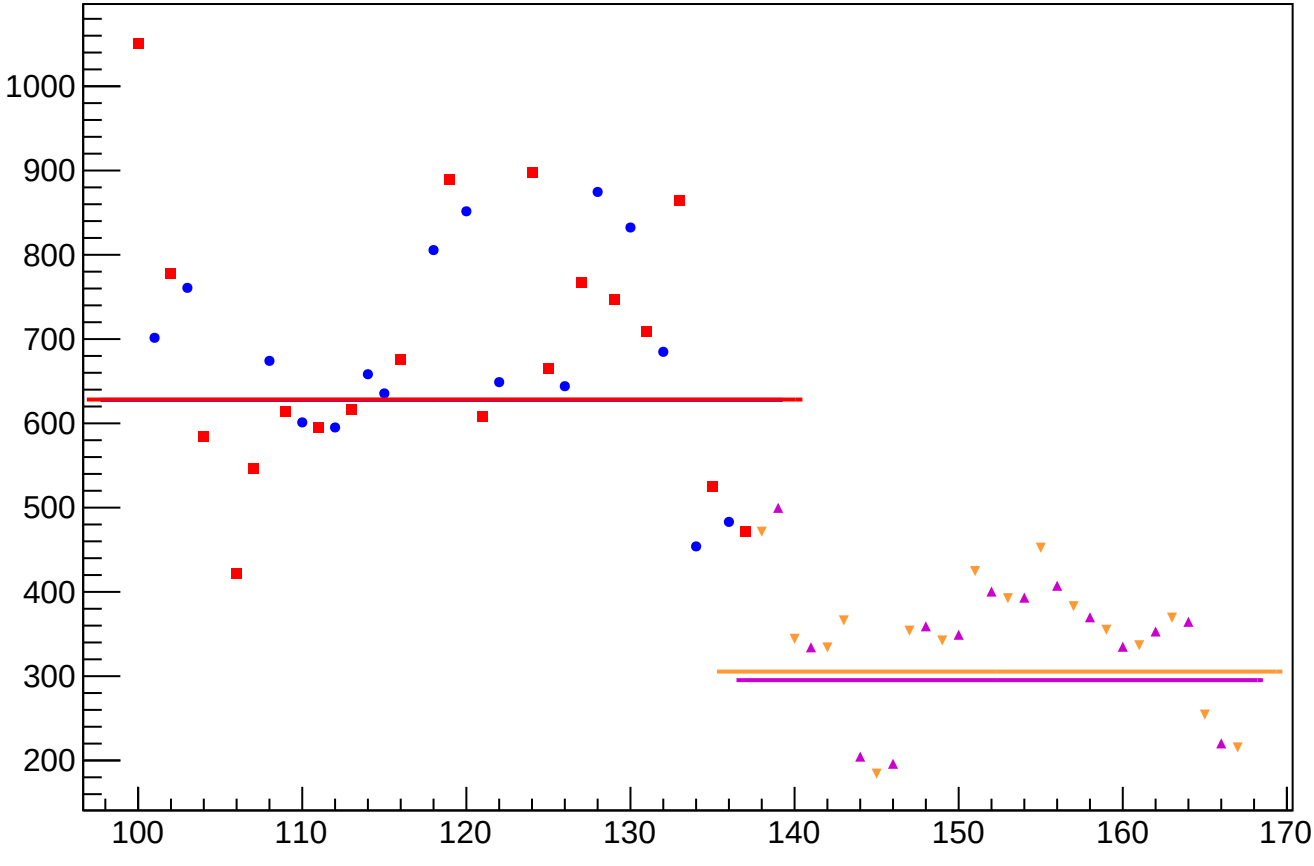
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -21.794+/-85.375 χ^2/NDF:38.4/29

Out: 381.799+/-83.939 χ^2/NDF:63.0/34

All: 183.426+/-59.855 χ^2/NDF: 112.8/64

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 305.436+/-0.064 χ^2/NDF:1881837.4/15

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 295.292+/-0.065 χ^2/NDF:1833994.8/13

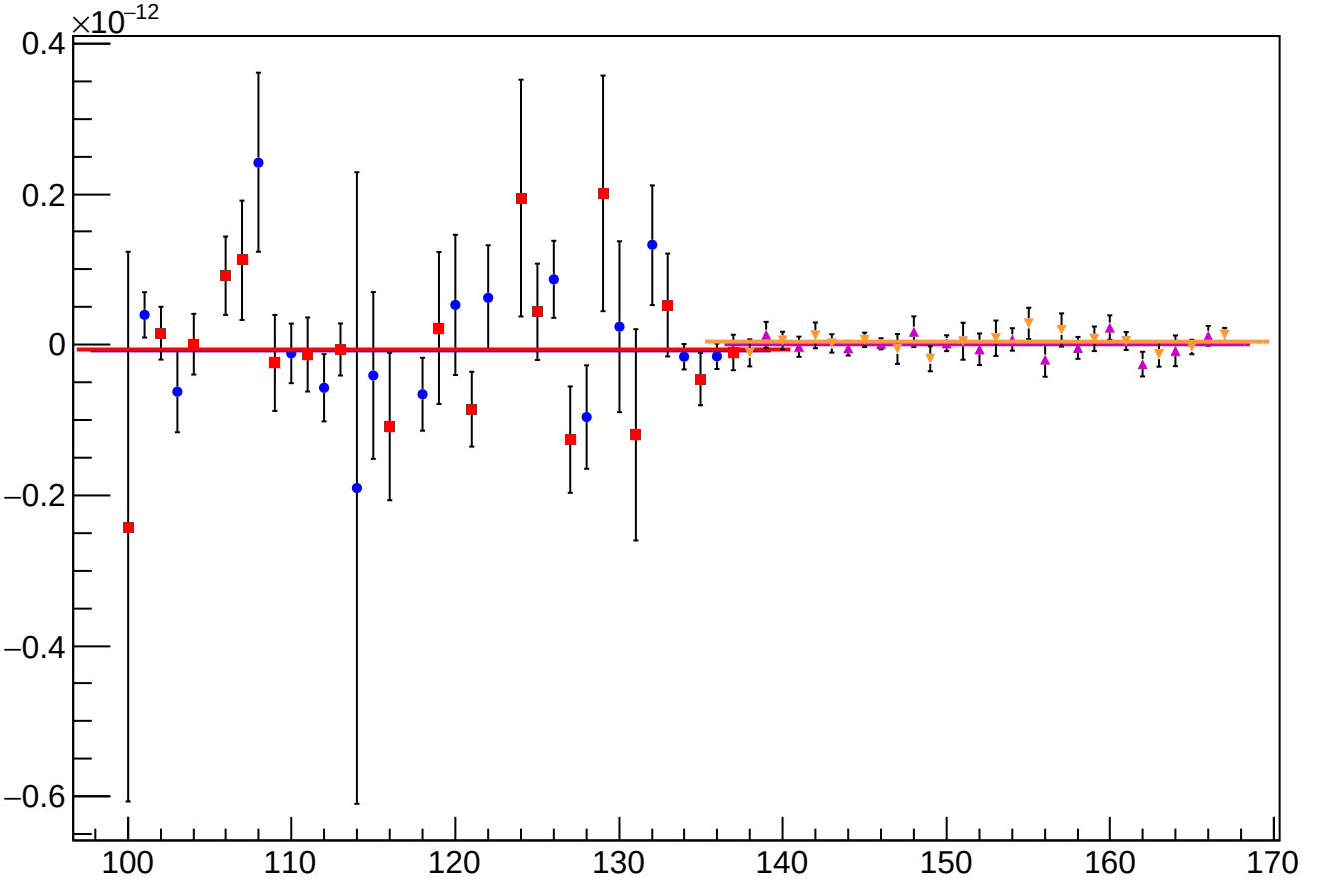
Left: 300.449+/-0.045 χ^2/NDF: 3728377.0/29

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 337.274+/-0.060 χ^2/NDF:5748654.0/29

Out: 346.263+/-0.059 χ^2/NDF:5720807.0/34

All: 341.845+/-0.042 χ^2/NDF: 11480734.8/64



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/13

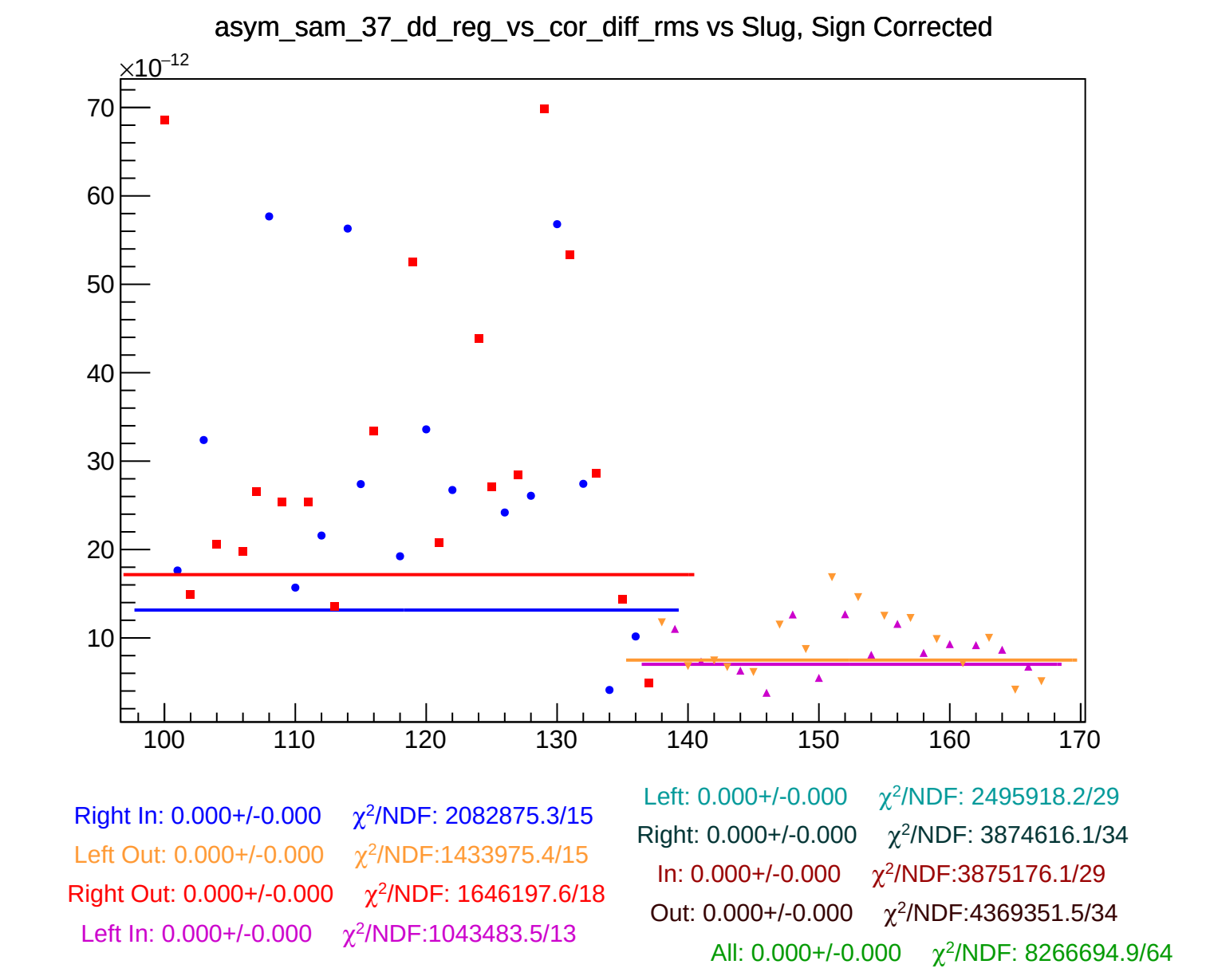
Left: 0.000+/-0.000 χ^2/NDF: 16.4/29

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:29.8/29

Out: 0.000+/-0.000 χ^2/NDF:28.6/34

All: 0.000+/-0.000 χ^2/NDF: 58.9/64


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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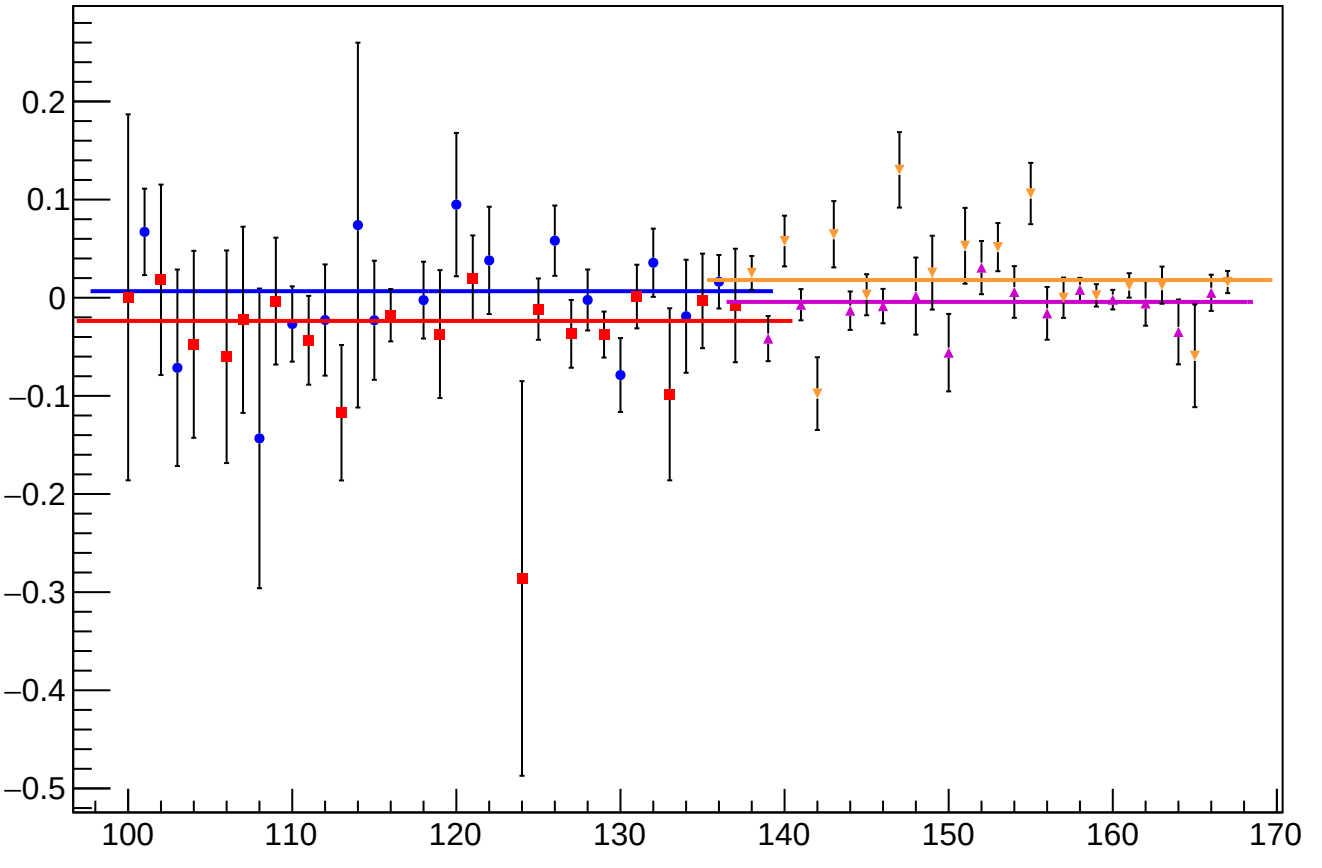
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1433975.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1043483.5/13
Left: 0.000+/-0.000 χ²/NDF: 2495918.2/29
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3875176.1/29
Out: 0.000+/-0.000 χ²/NDF:4369351.5/34
All: 0.000+/-0.000 χ²/NDF: 8266694.9/64



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.005 χ^2/NDF:39.0/15

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/13

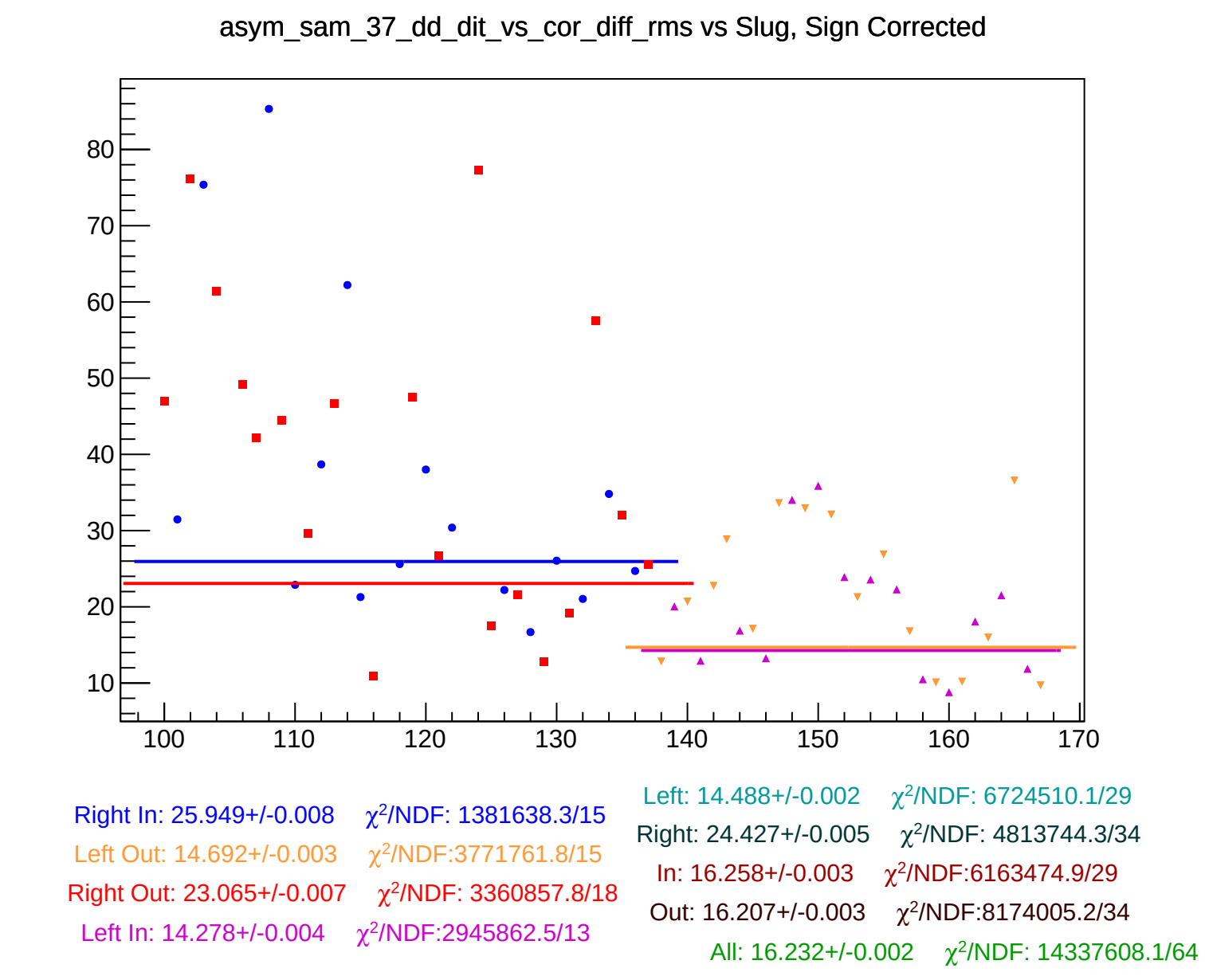
Left: 0.007+/-0.004 χ^2/NDF: 57.9/29

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:24.7/29

Out: 0.010+/-0.004 χ^2/NDF:59.4/34

All: 0.004+/-0.003 χ^2/NDF: 88.2/64


asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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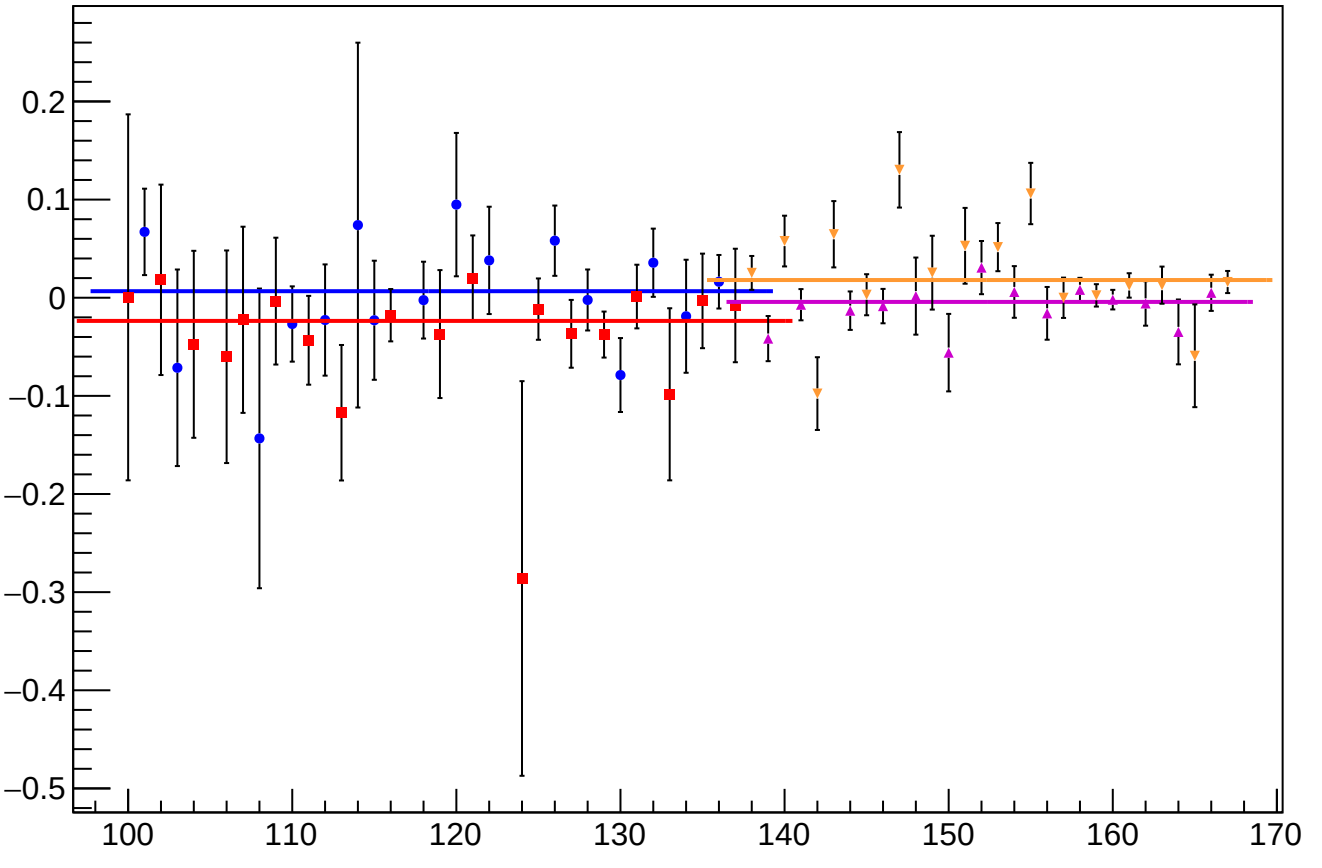
160
170
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 14.692+/-0.003 χ²/NDF:3771761.8/15
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 14.278+/-0.004 χ²/NDF:2945862.5/13
Left: 14.488+/-0.002 χ²/NDF: 6724510.1/29
Right: 24.427+/-0.005 χ²/NDF: 4813744.3/34
In: 16.258+/-0.003 χ²/NDF:6163474.9/29
Out: 16.207+/-0.003 χ²/NDF:8174005.2/34
All: 16.232+/-0.002 χ²/NDF: 14337608.1/64



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.005 χ^2/NDF:39.0/15

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/13

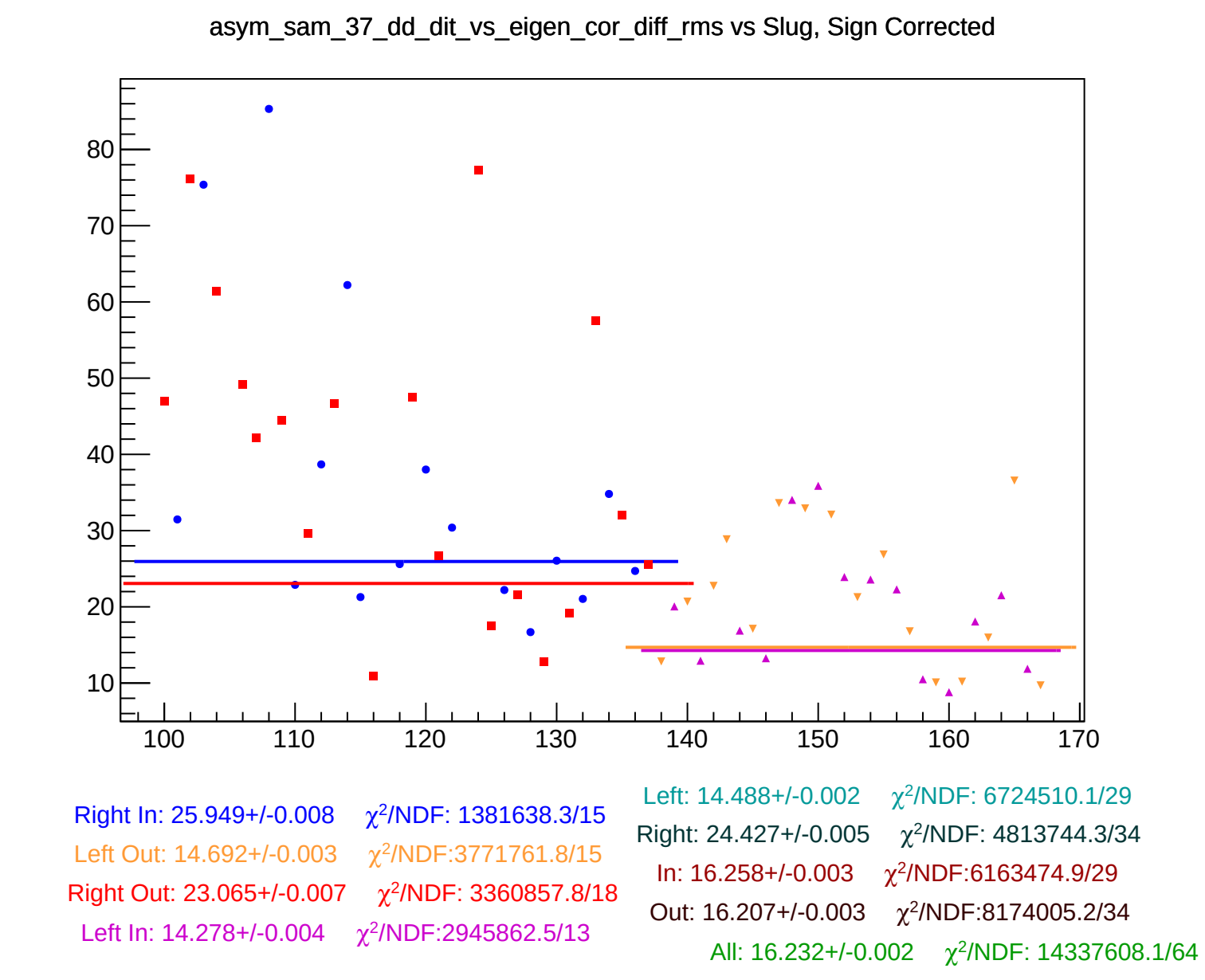
Left: 0.007+/-0.004 χ^2/NDF: 57.9/29

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:24.7/29

Out: 0.010+/-0.004 χ^2/NDF:59.4/34

All: 0.004+/-0.003 χ^2/NDF: 88.2/64


asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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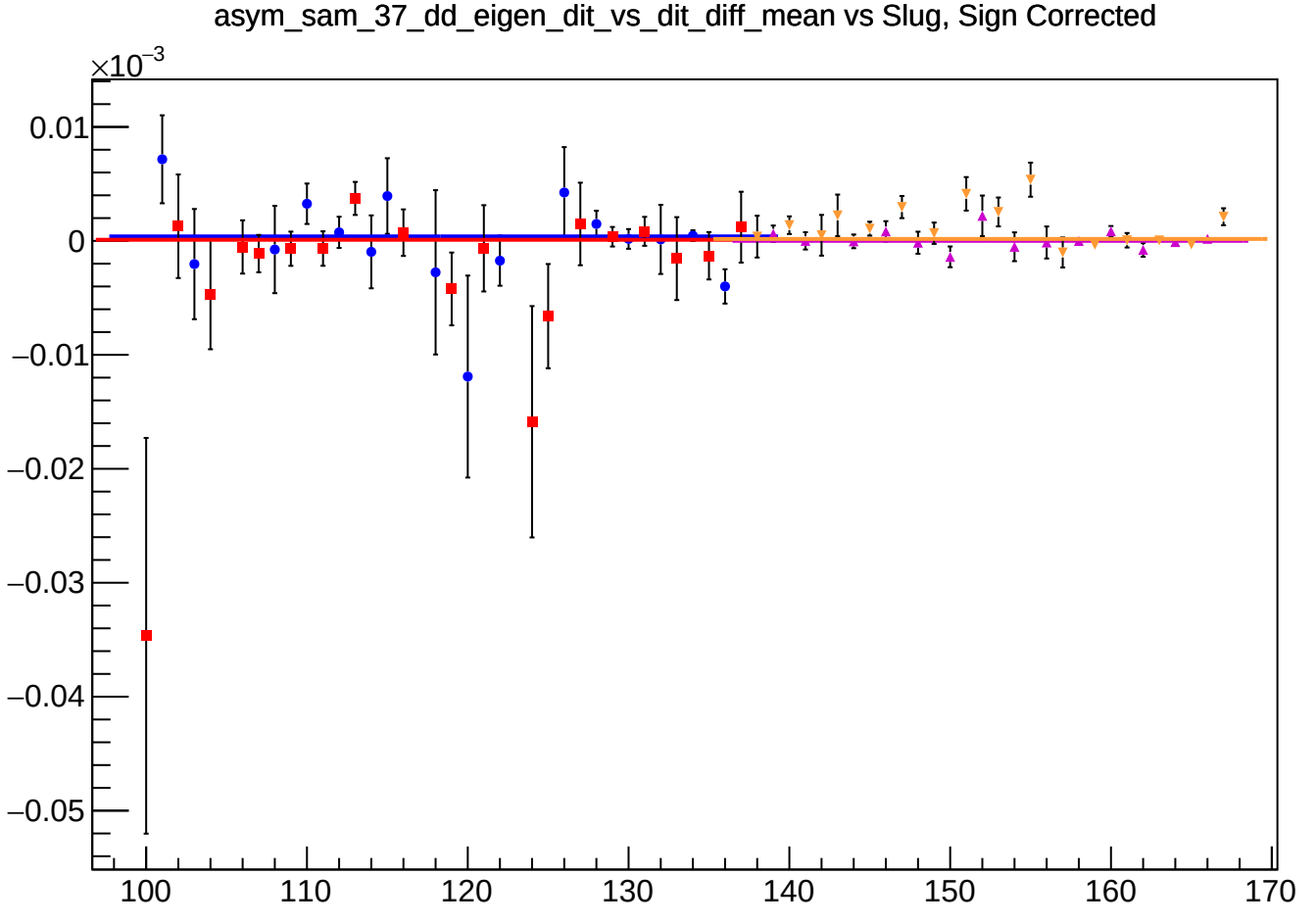
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 14.692+/-0.003 χ²/NDF:3771761.8/15
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 14.278+/-0.004 χ²/NDF:2945862.5/13
Left: 14.488+/-0.002 χ²/NDF: 6724510.1/29
Right: 24.427+/-0.005 χ²/NDF: 4813744.3/34
In: 16.258+/-0.003 χ²/NDF:6163474.9/29
Out: 16.207+/-0.003 χ²/NDF:8174005.2/34
All: 16.232+/-0.002 χ²/NDF: 14337608.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/13

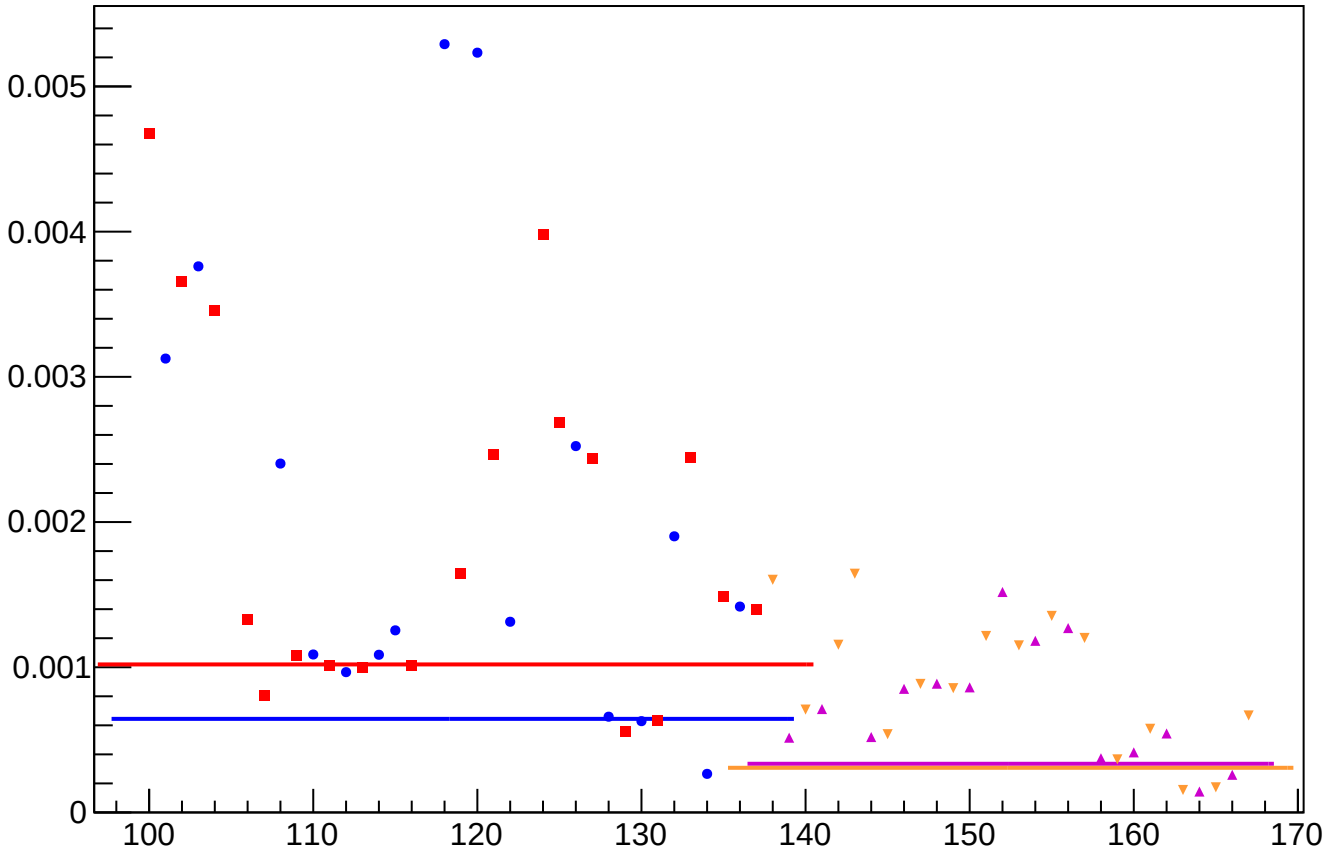
Left: 0.000+/-0.000 χ^2/NDF: 64.1/29

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:33.2/29

Out: 0.000+/-0.000 χ^2/NDF:72.4/34

All: 0.000+/-0.000 χ^2/NDF: 106.1/64



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11245526.6/15

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7924208.6/13

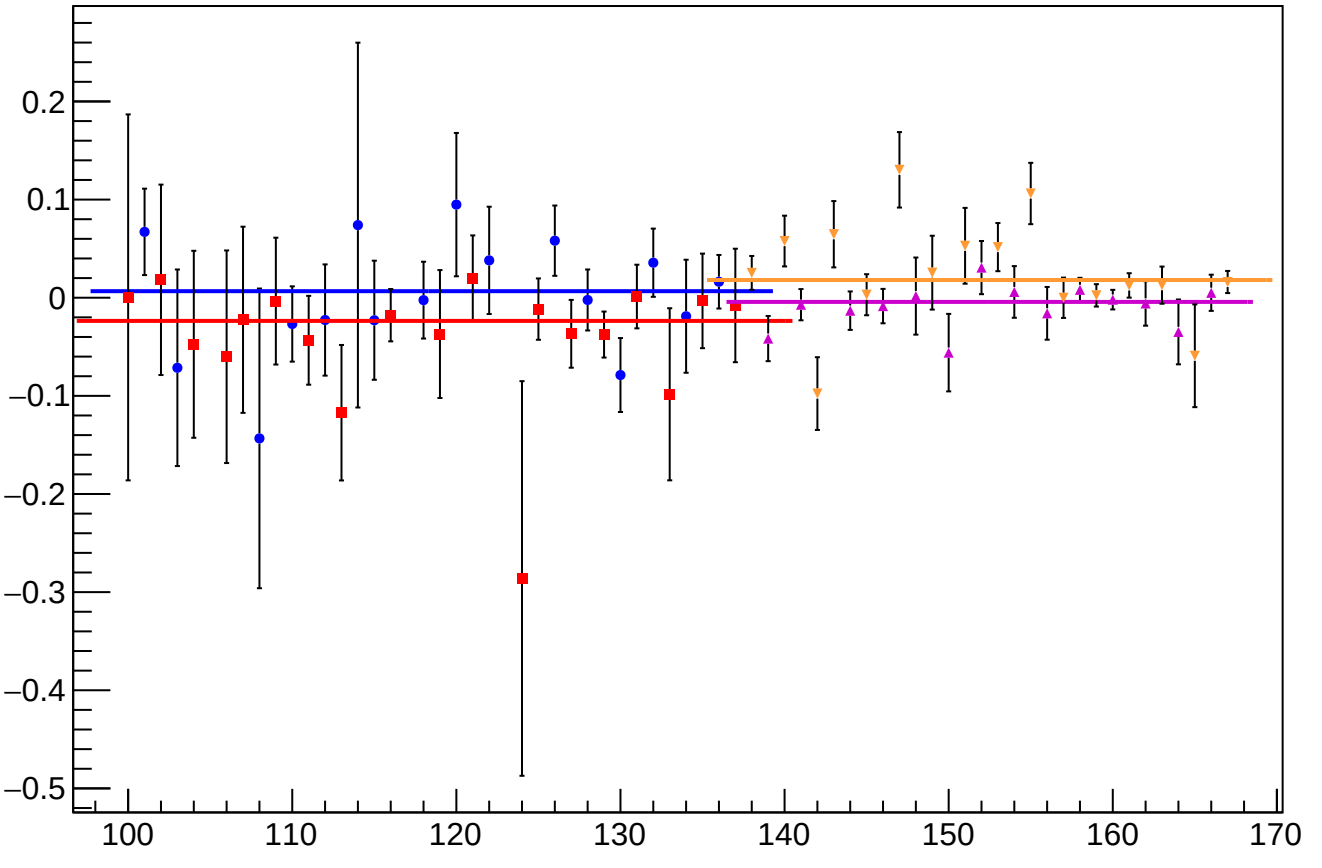
Left: 0.000+/-0.000 χ^2/NDF: 19218810.9/29

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:15943461.5/29

Out: 0.000+/-0.000 χ^2/NDF:19580334.8/34

All: 0.000+/-0.000 χ^2/NDF: 35552221.2/64



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.005 χ^2/NDF:39.1/15

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/13

Left: 0.007+/-0.004 χ^2/NDF: 57.9/29

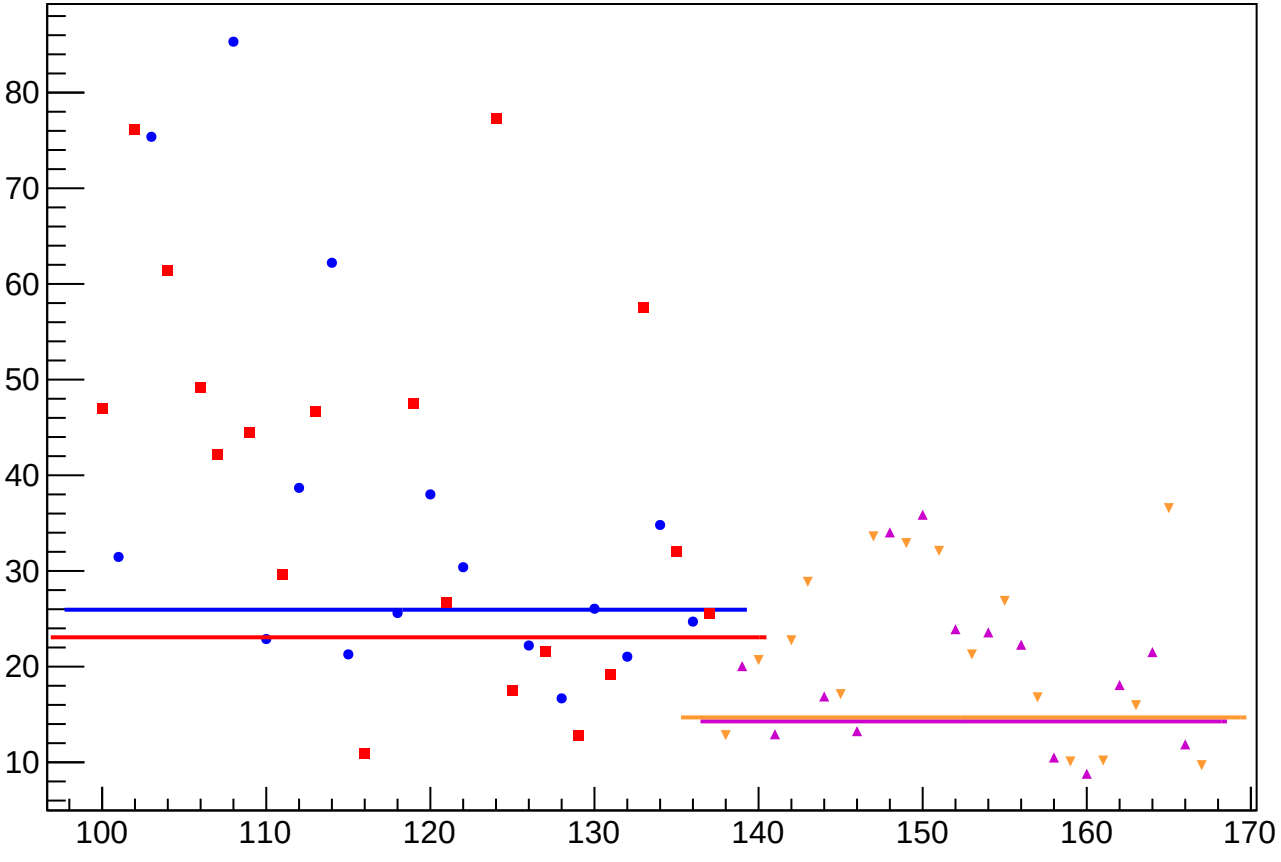
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:24.7/29

Out: 0.010+/-0.004 χ^2/NDF:59.4/34

All: 0.004+/-0.003 χ^2/NDF: 88.2/64

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 14.692+/-0.003 χ^2/NDF:3771935.1/15

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.279+/-0.004 χ^2/NDF:2946017.8/13

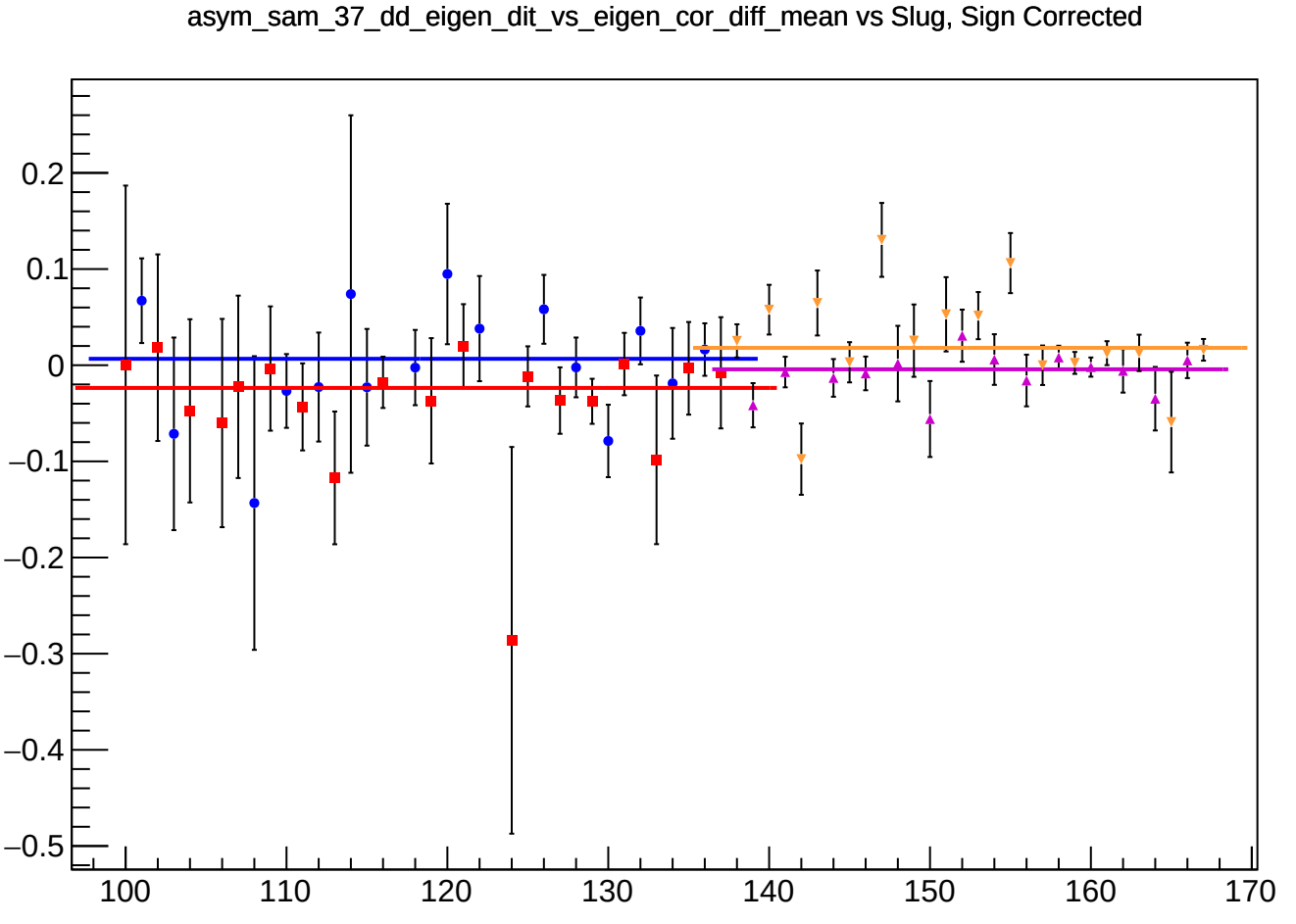
Left: 14.489+/-0.002 χ^2/NDF: 6724843.1/29

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

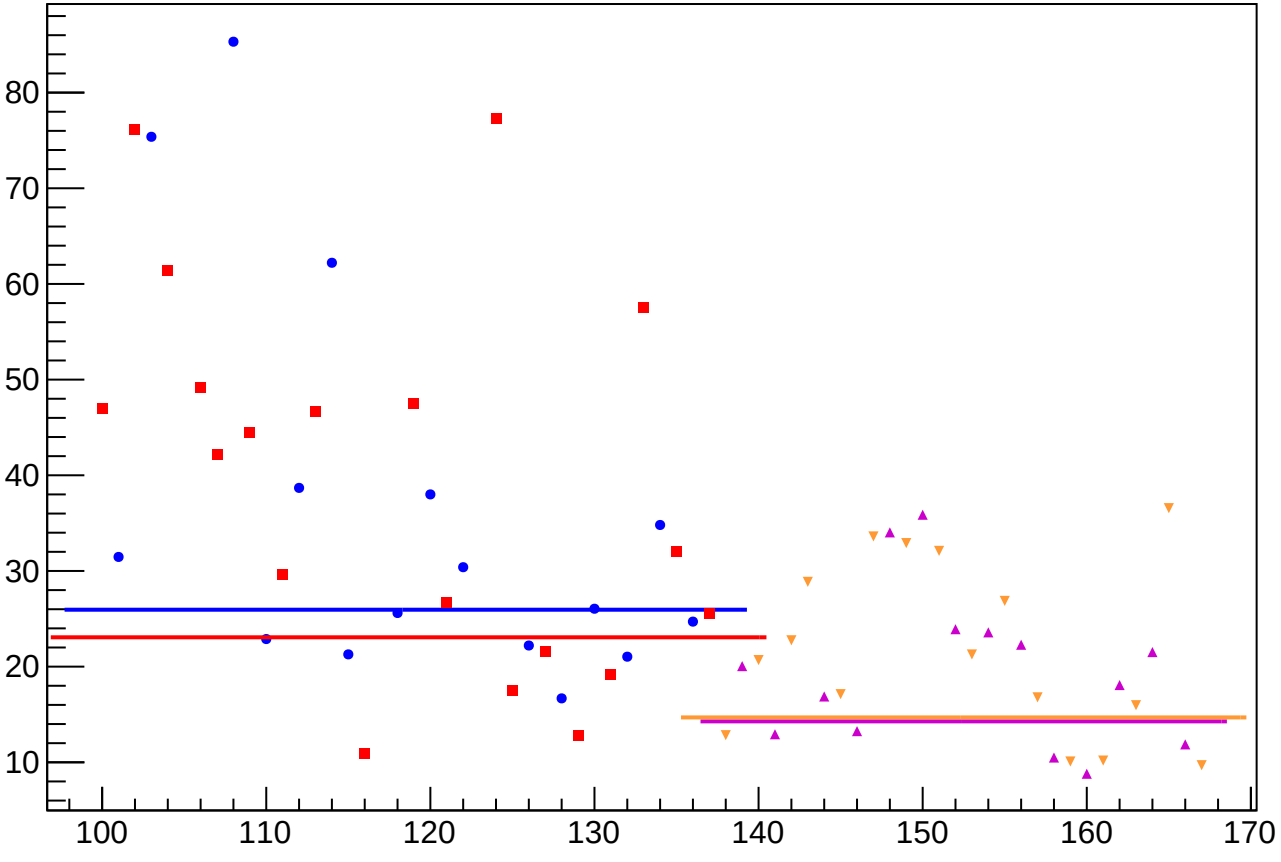
In: 16.258+/-0.003 χ^2/NDF:6163637.2/29

Out: 16.207+/-0.003 χ^2/NDF:8174052.0/34

All: 16.232+/-0.002 χ^2/NDF: 14337816.6/64


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.007+/-0.011 χ²/NDF: 15.0/15
Left Out: 0.018+/-0.005 χ²/NDF:39.1/15
Right Out: -0.024+/-0.011 χ²/NDF: 7.5/18
Left In: -0.004+/-0.005 χ²/NDF:8.9/13
Left: 0.007+/-0.004 χ²/NDF: 57.9/29
Right: -0.009+/-0.008 χ²/NDF: 26.4/34
In: -0.002+/-0.005 χ²/NDF:24.7/29
Out: 0.010+/-0.004 χ²/NDF:59.4/34
All: 0.004+/-0.003 χ²/NDF: 88.2/64

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 14.692+/-0.003 χ^2/NDF:3771935.1/15

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.279+/-0.004 χ^2/NDF:2946017.8/13

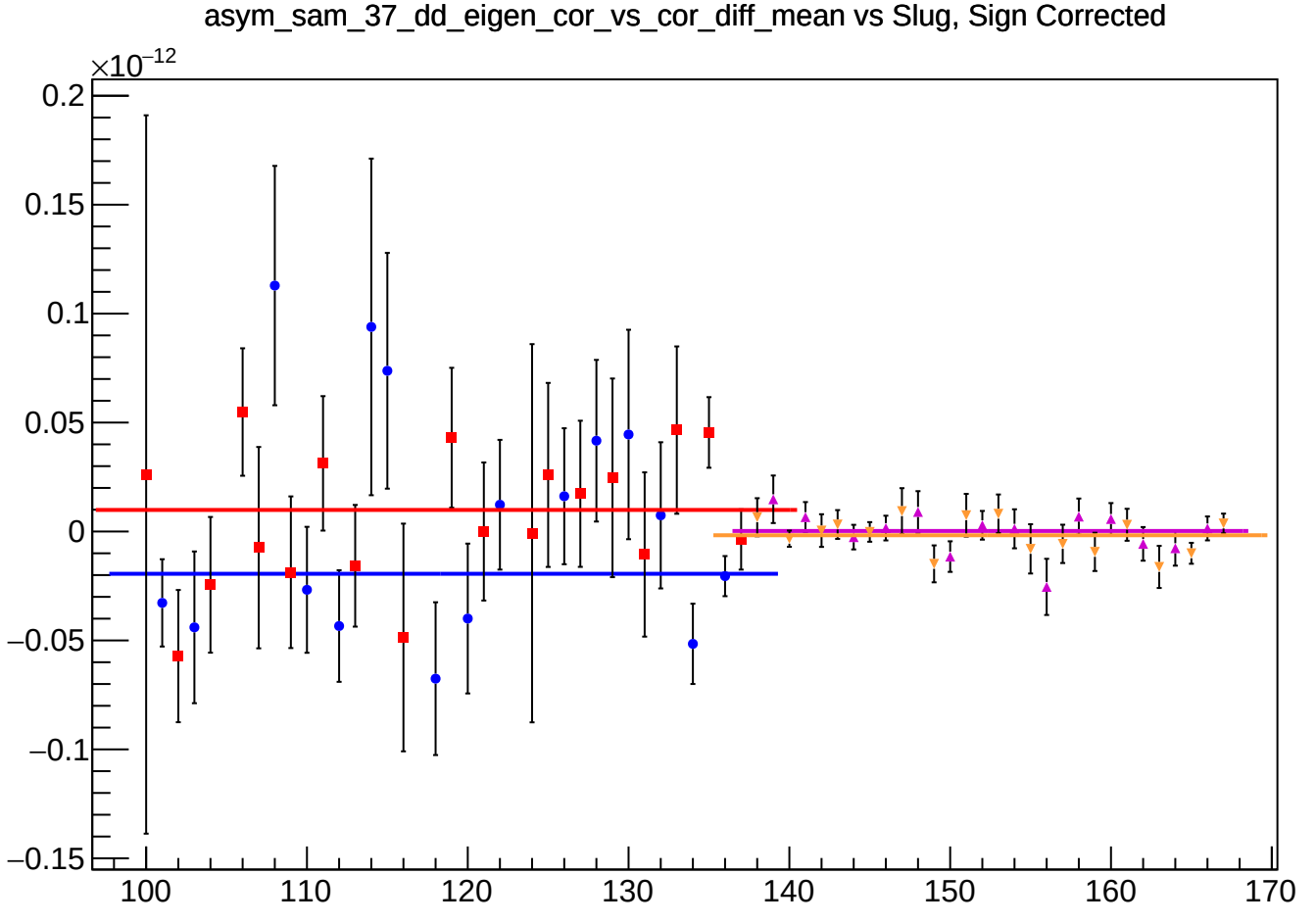
Left: 14.489+/-0.002 χ^2/NDF: 6724843.1/29

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.258+/-0.003 χ^2/NDF:6163637.2/29

Out: 16.207+/-0.003 χ^2/NDF:8174052.0/34

All: 16.232+/-0.002 χ^2/NDF: 14337816.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/13

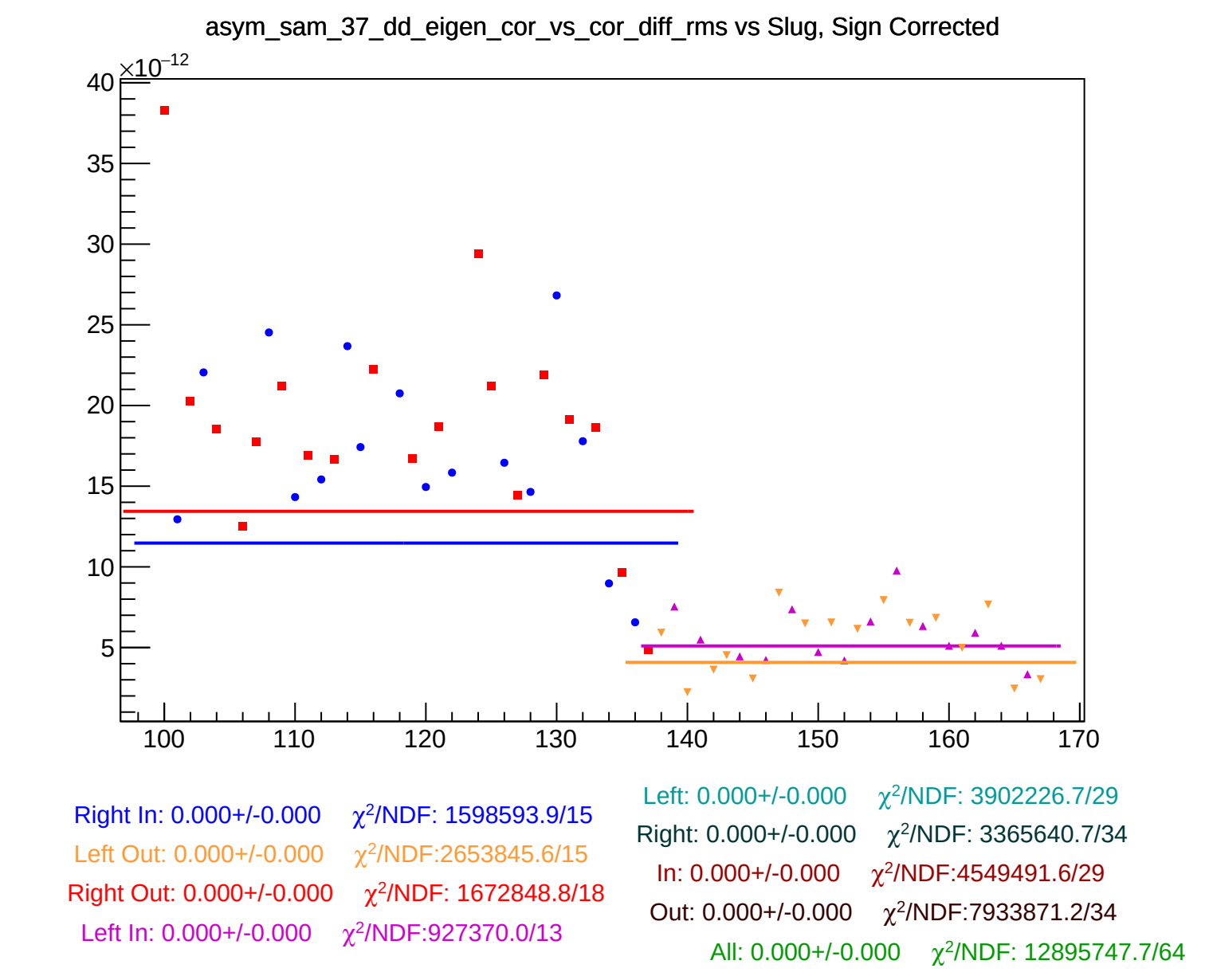
Left: -0.000+/-0.000 χ^2/NDF: 29.9/29

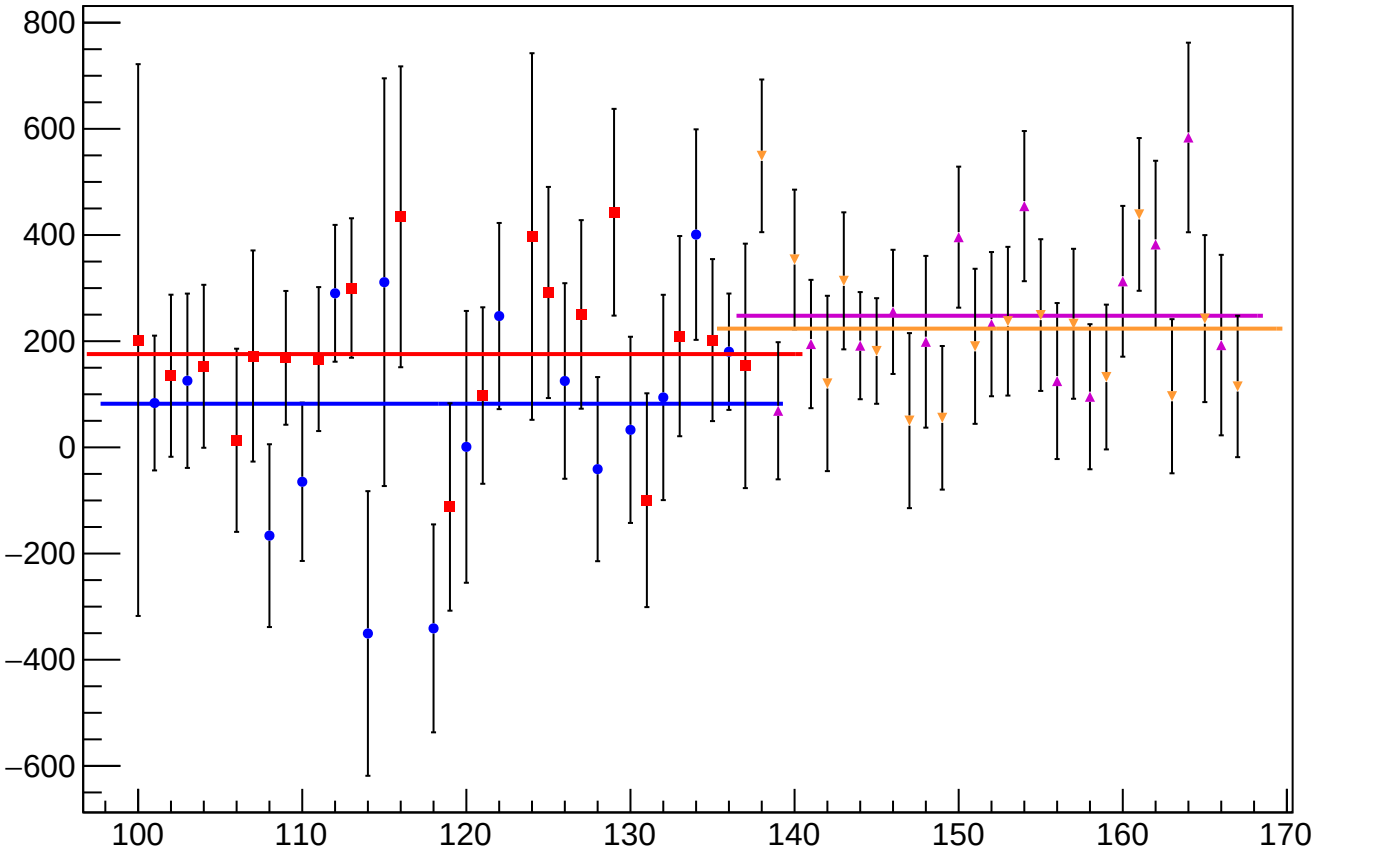
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:48.8/29

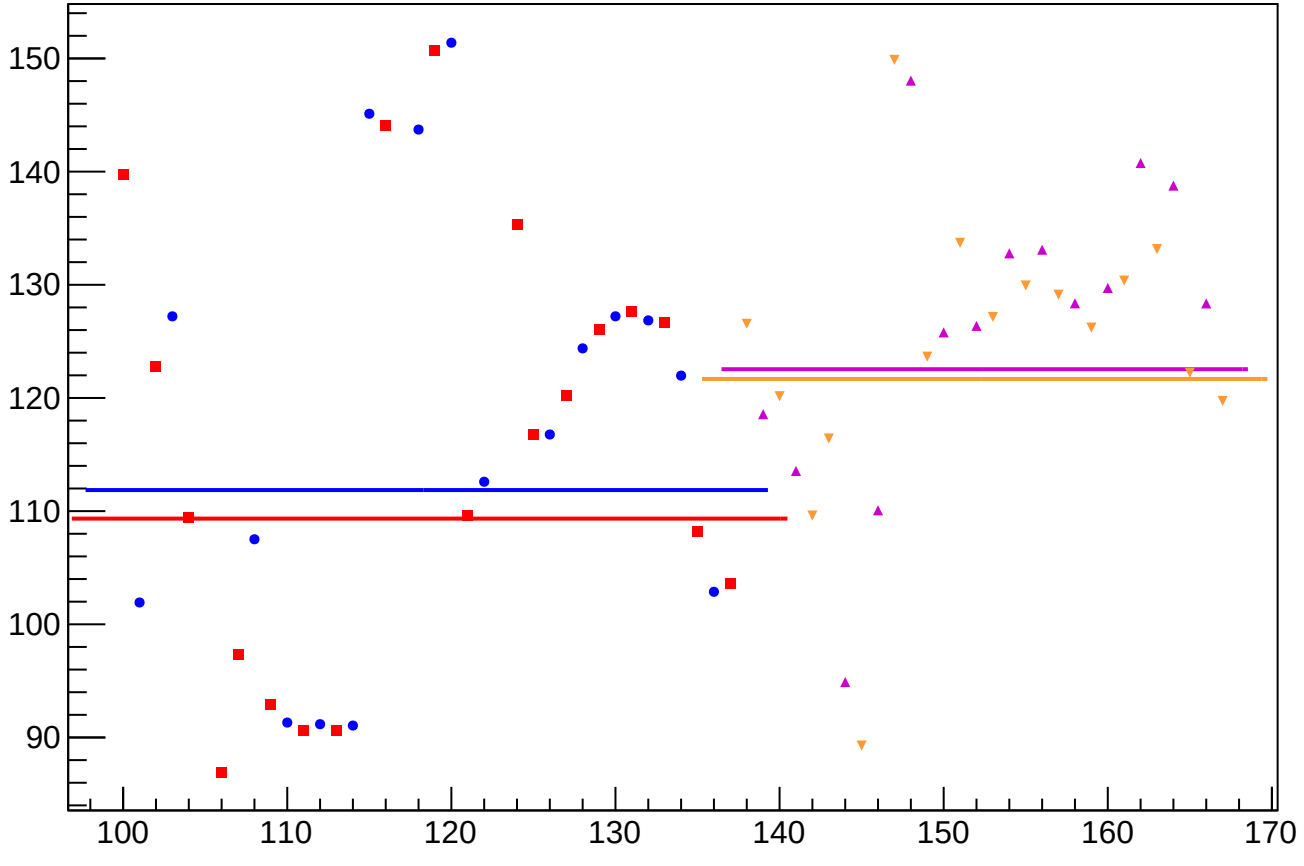
Out: -0.000+/-0.000 χ^2/NDF:38.9/34

All: -0.000+/-0.000 χ^2/NDF: 87.8/64


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2653845.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:927370.0/13
Left: 0.000+/-0.000 χ²/NDF: 3902226.7/29
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:4549491.6/29
Out: 0.000+/-0.000 χ²/NDF:7933871.2/34
All: 0.000+/-0.000 χ²/NDF: 12895747.7/64


reg_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 82.196+/-42.133 χ²/NDF: 18.4/15
Left Out: 223.687+/-34.529 χ²/NDF:14.0/15
Right Out: 175.732+/-40.673 χ²/NDF: 9.9/18
Left In: 247.927+/-36.407 χ²/NDF:12.4/13
Left: 235.166+/-25.053 χ²/NDF: 26.7/29
Right: 130.613+/-29.263 χ²/NDF: 30.8/34
In: 177.082+/-27.547 χ²/NDF:39.7/29
Out: 203.601+/-26.323 χ²/NDF:24.7/34
All: 190.944+/-19.031 χ²/NDF: 64.9/64

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.681+/-0.024 χ^2/NDF:338941.7/15

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 122.541+/-0.026 χ^2/NDF:313334.3/13

Left: 122.088+/-0.018 χ^2/NDF: 652864.6/29

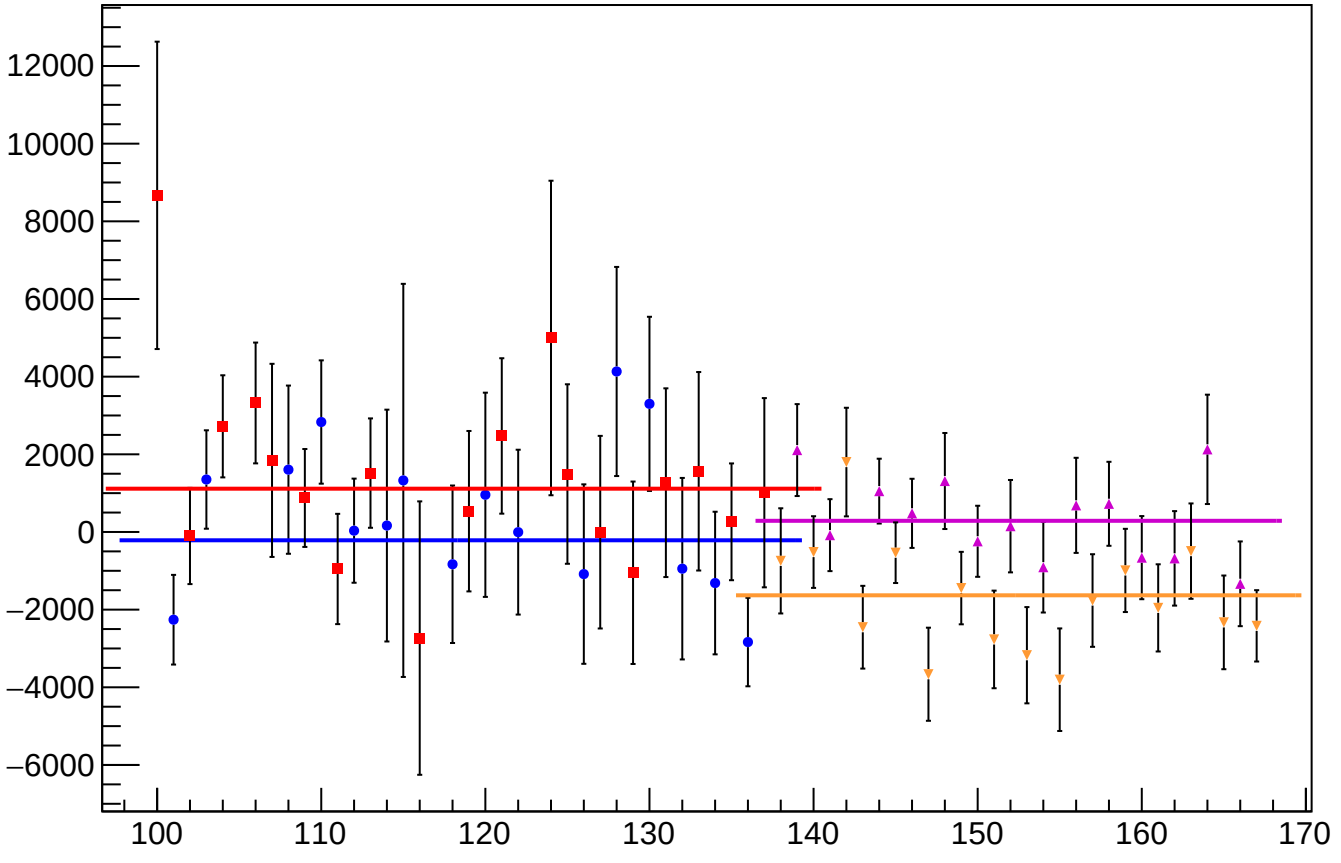
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.976+/-0.019 χ^2/NDF:692922.9/29

Out: 116.512+/-0.019 χ^2/NDF:813157.9/34

All: 117.211+/-0.013 χ^2/NDF: 1509035.0/64

asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1630.890+/-273.610 χ^2/NDF:20.8/15

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 287.558+/-285.370 χ^2/NDF:11.1/13

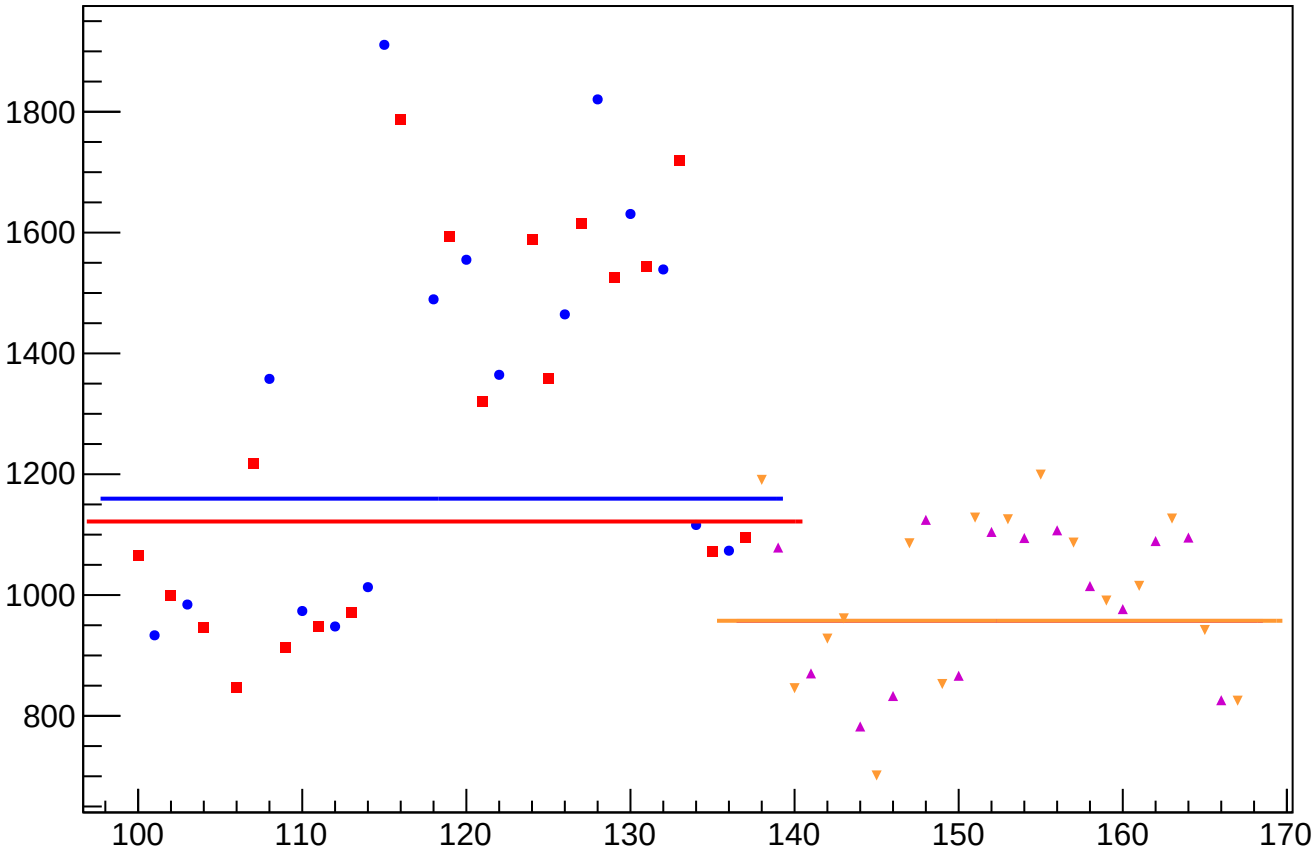
Left: -712.007+/-197.498 χ^2/NDF: 55.5/29

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 140.864+/-240.055 χ^2/NDF:32.4/29

Out: -821.111+/-229.745 χ^2/NDF:65.1/34

All: -361.225+/-165.979 χ^2/NDF: 105.9/64



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 957.424+/-0.193 χ^2/NDF:604238.2/15

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 957.098+/-0.202 χ^2/NDF:388039.4/13

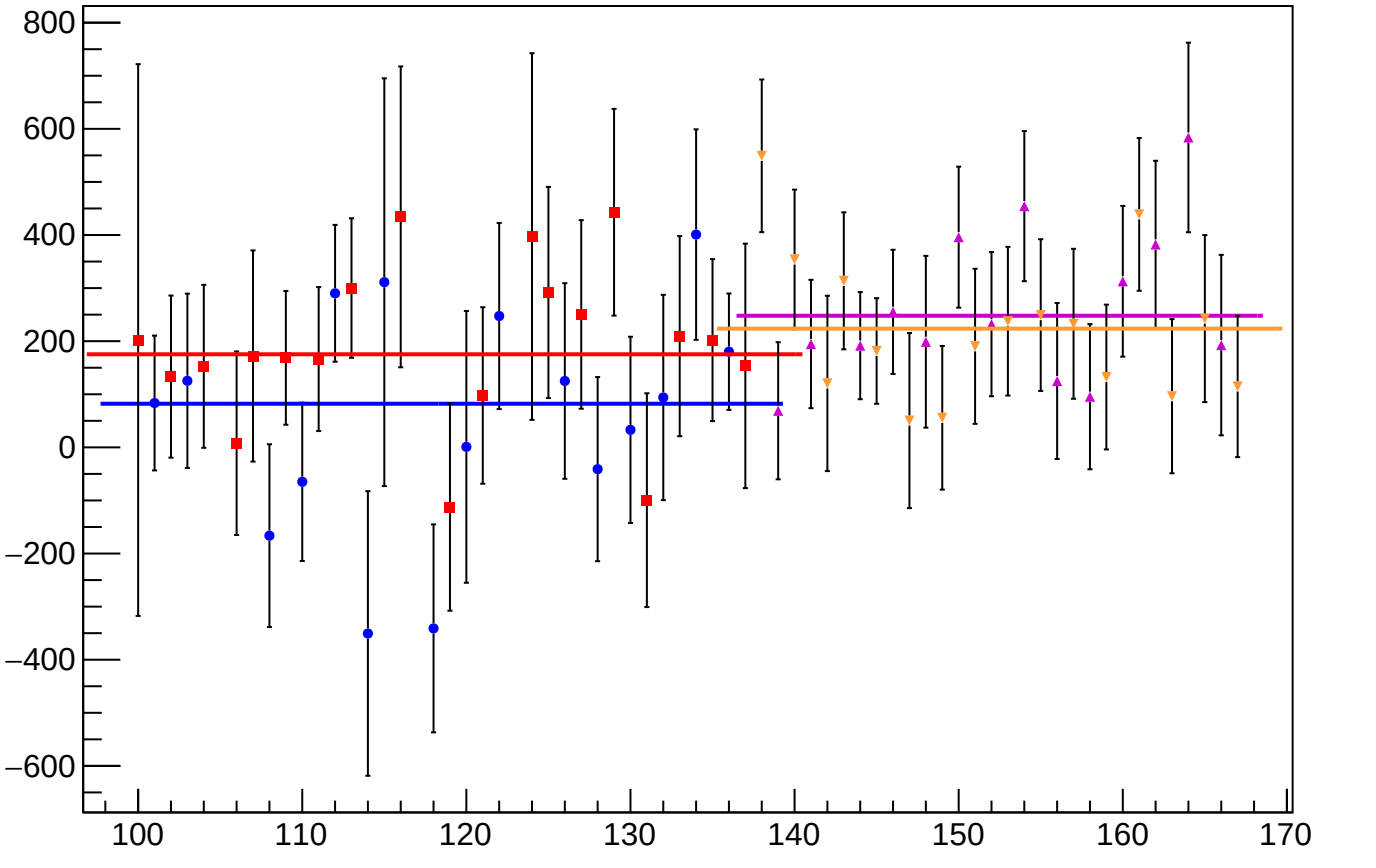
Left: 957.268+/-0.140 χ^2/NDF: 992279.0/29

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1016.294+/-0.170 χ^2/NDF:1366081.1/29

Out: 1005.891+/-0.162 χ^2/NDF:1599284.7/34

All: 1010.864+/-0.117 χ^2/NDF: 2967326.1/64



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 223.691+/-34.529 χ^2/NDF:14.0/15

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 247.928+/-36.407 χ^2/NDF:12.4/13

Left: 235.168+/-25.053 χ^2/NDF: 26.7/29

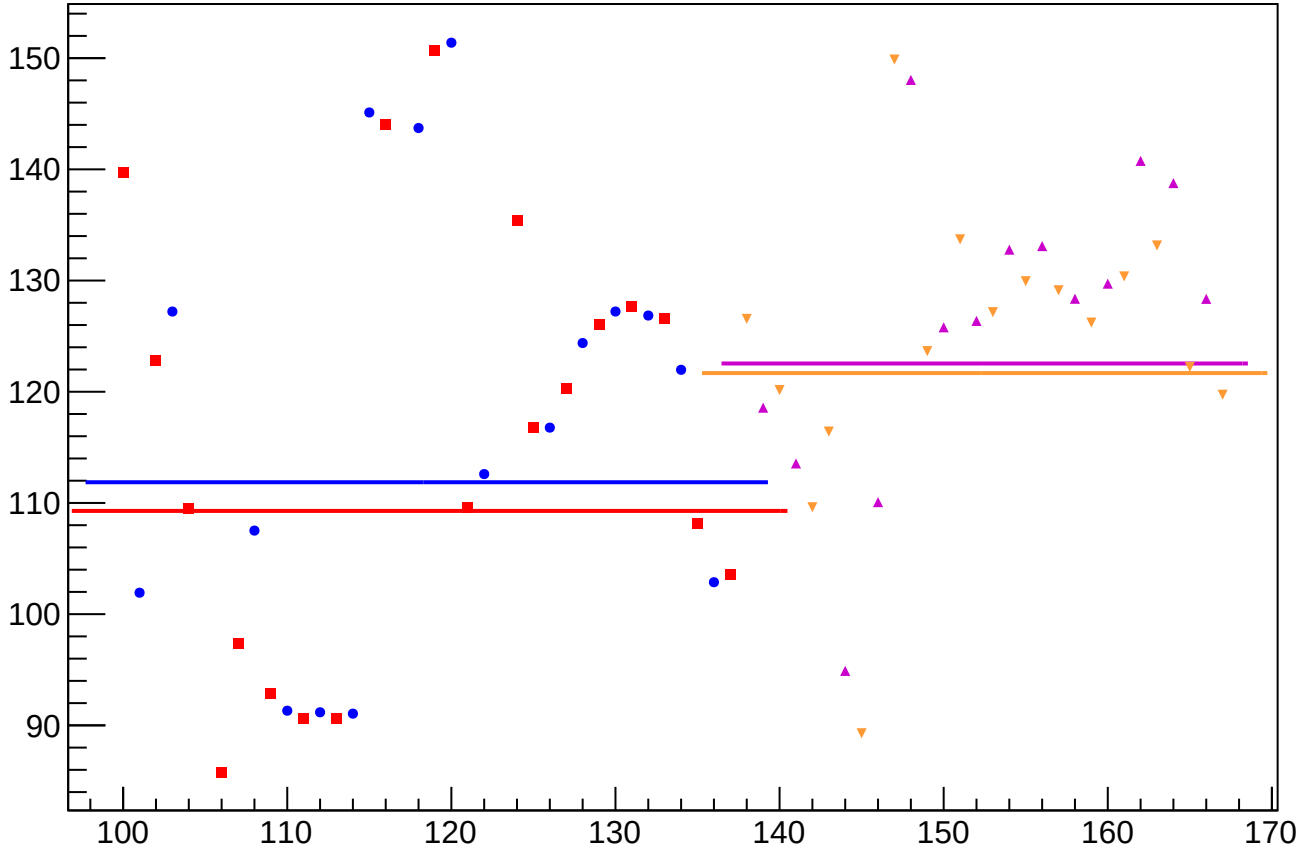
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 177.077+/-27.547 χ^2/NDF:39.7/29

Out: 203.442+/-26.324 χ^2/NDF:24.8/34

All: 190.858+/-19.032 χ^2/NDF: 64.9/64

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.681+/-0.024 χ^2/NDF:338941.7/15

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.541+/-0.026 χ^2/NDF:313334.4/13

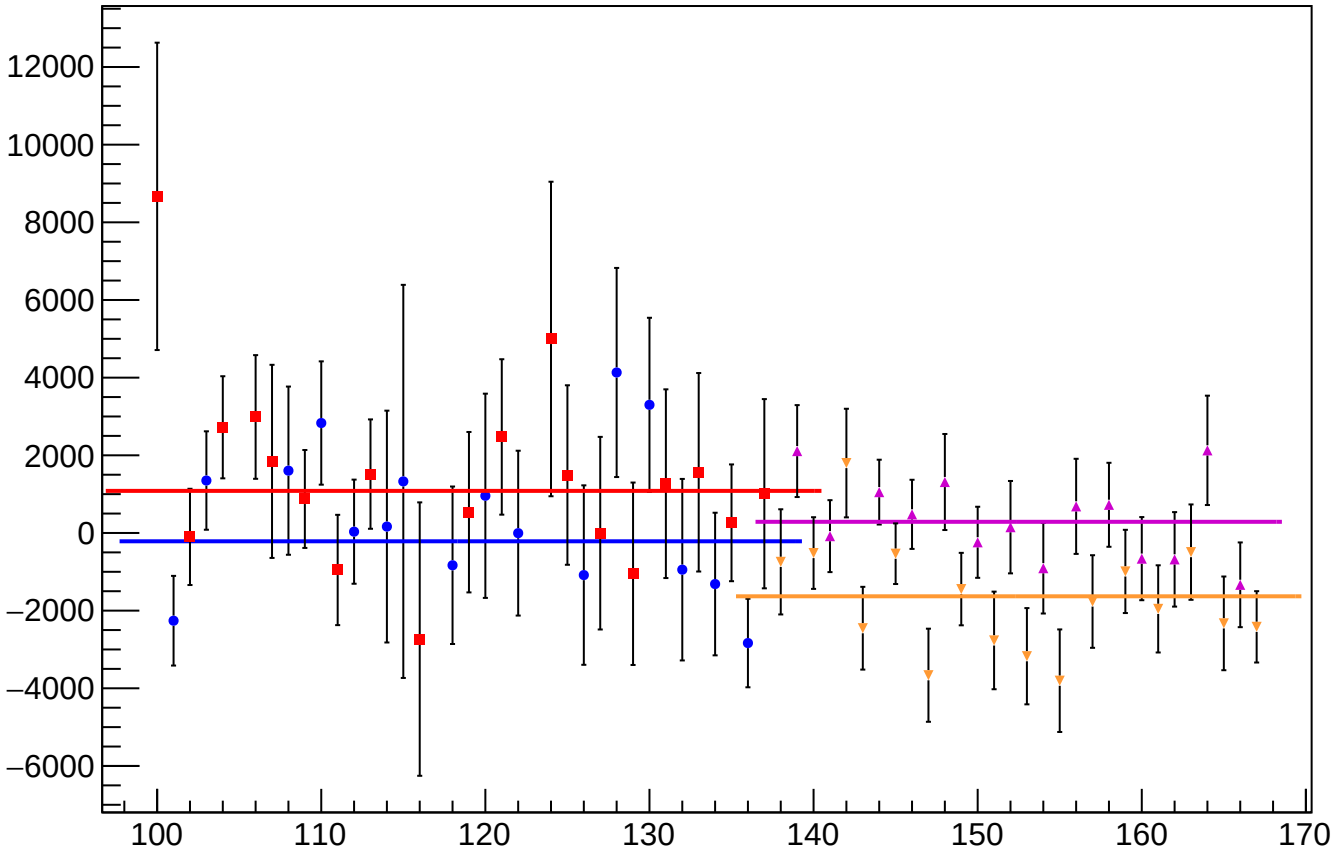
Left: 122.088+/-0.018 χ^2/NDF: 652864.6/29

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.976+/-0.019 χ^2/NDF:692923.7/29

Out: 116.489+/-0.019 χ^2/NDF:817608.0/34

All: 117.199+/-0.013 χ^2/NDF: 1513578.0/64



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1630.885+/-273.610 χ^2/NDF:20.8/15

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 287.564+/-285.370 χ^2/NDF:11.1/13

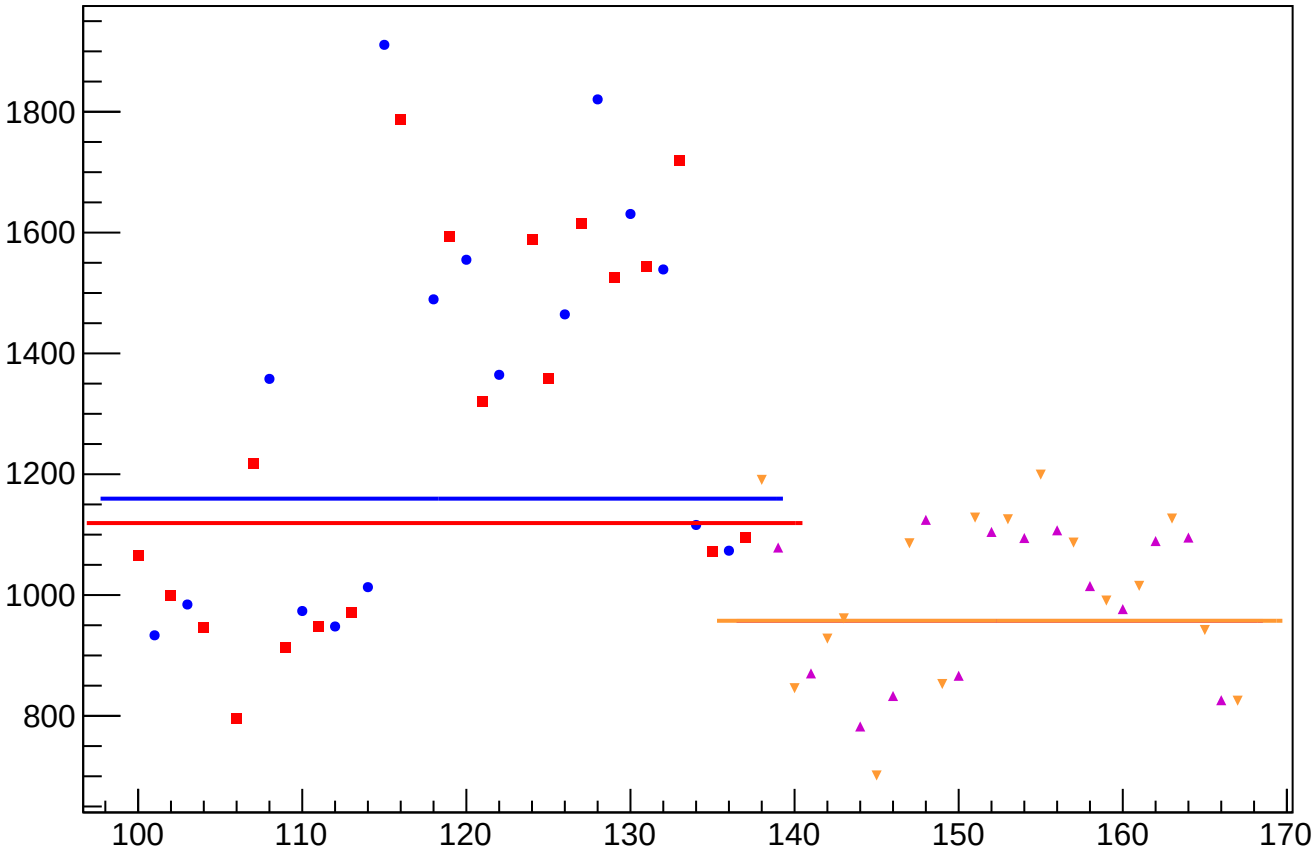
Left: -712.002+/-197.498 χ^2/NDF: 55.5/29

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 140.843+/-240.056 χ^2/NDF:32.4/29

Out: -832.139+/-229.862 χ^2/NDF:63.7/34

All: -366.744+/-166.024 χ^2/NDF: 104.7/64



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 957.424+/-0.193 χ^2/NDF:604240.1/15

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 957.098+/-0.202 χ^2/NDF:388037.3/13

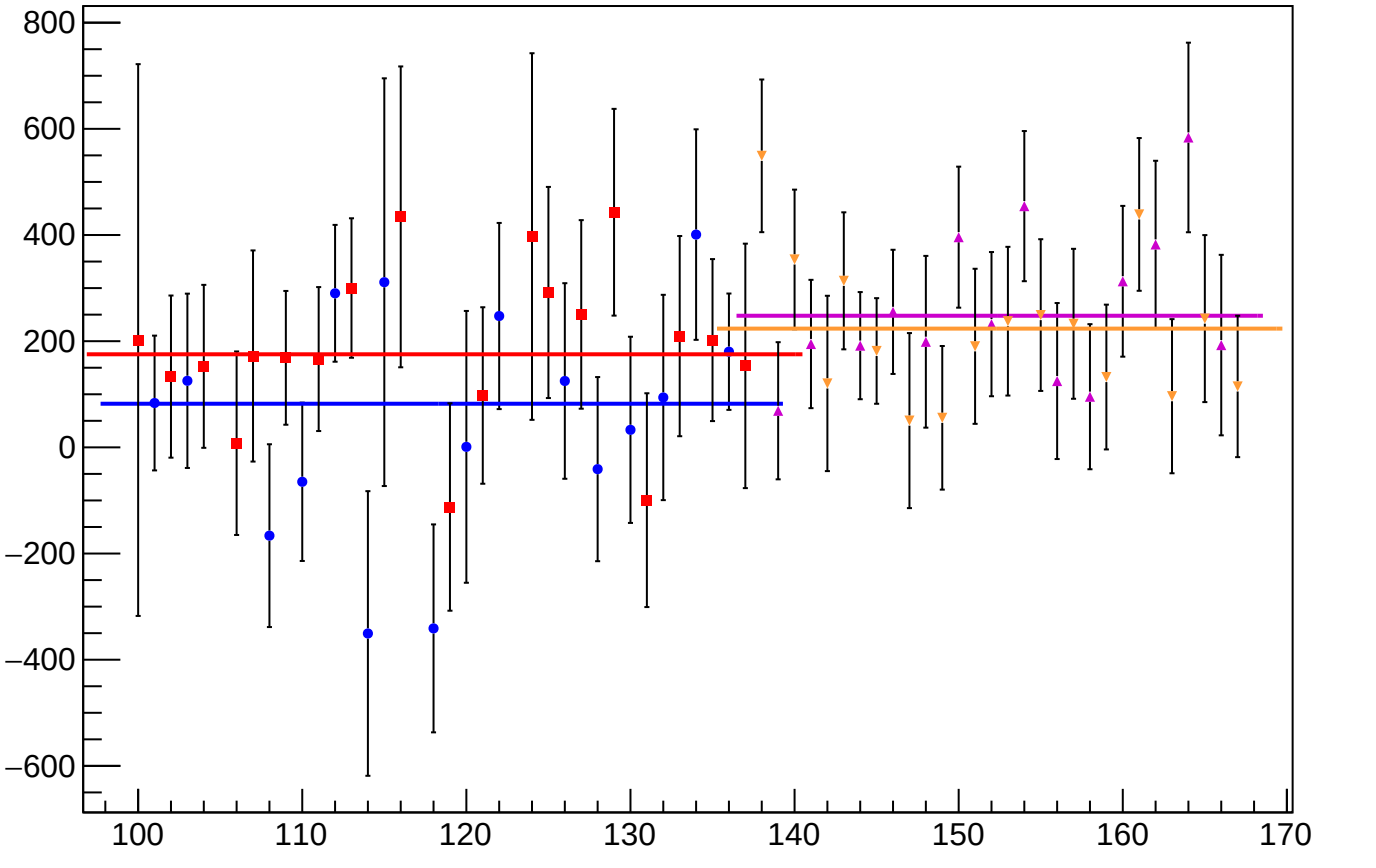
Left: 957.268+/-0.140 χ^2/NDF: 992278.8/29

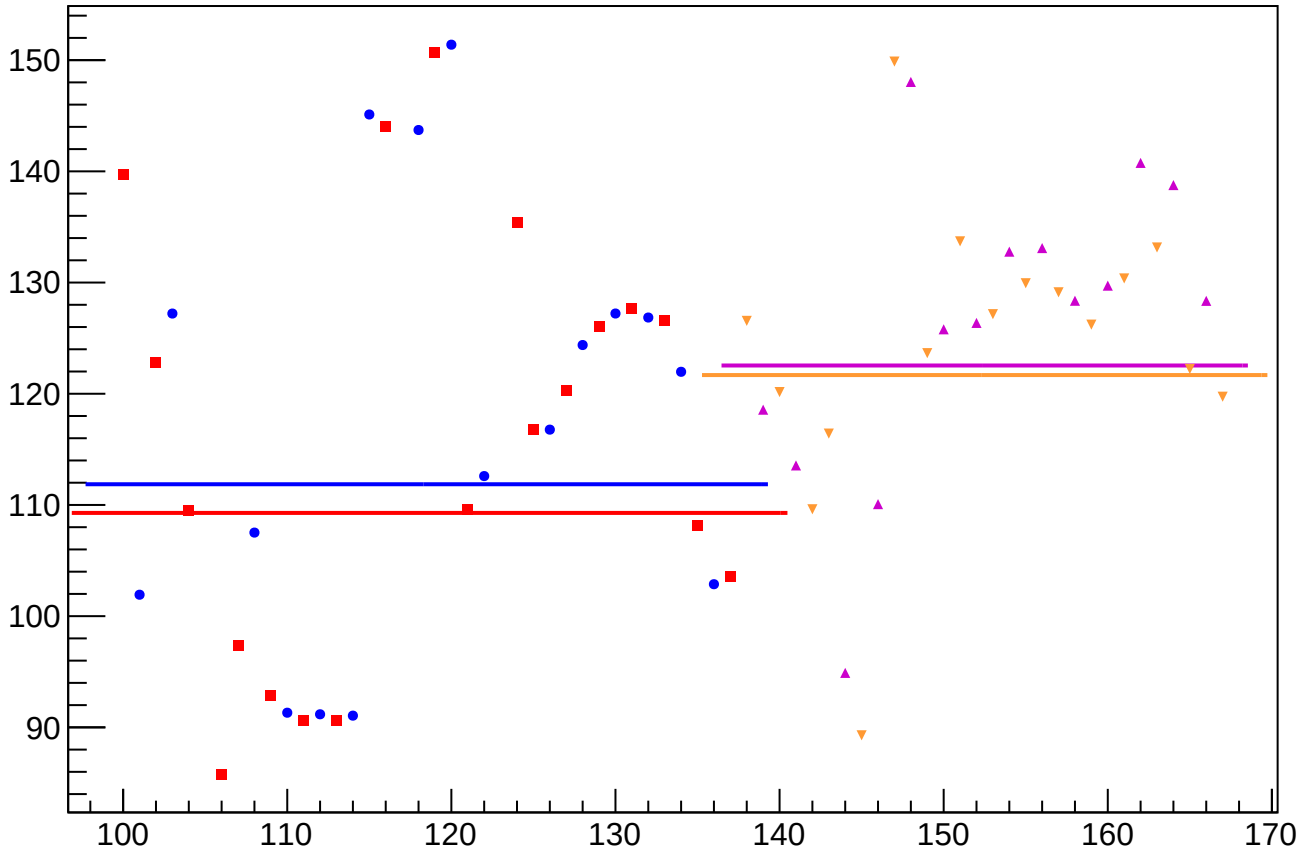
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1016.296+/-0.170 χ^2/NDF:1366071.8/29

Out: 1005.008+/-0.163 χ^2/NDF:1612994.1/34

All: 1010.407+/-0.117 χ^2/NDF: 2981373.0/64


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 223.691+/-34.529 χ²/NDF:14.0/15
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 247.928+/-36.407 χ²/NDF:12.4/13
Left: 235.168+/-25.053 χ²/NDF: 26.7/29
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 177.077+/-27.547 χ²/NDF:39.7/29
Out: 203.442+/-26.324 χ²/NDF:24.8/34
All: 190.858+/-19.032 χ²/NDF: 64.9/64



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.681+/-0.024 χ^2/NDF:338941.7/15

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.541+/-0.026 χ^2/NDF:313334.4/13

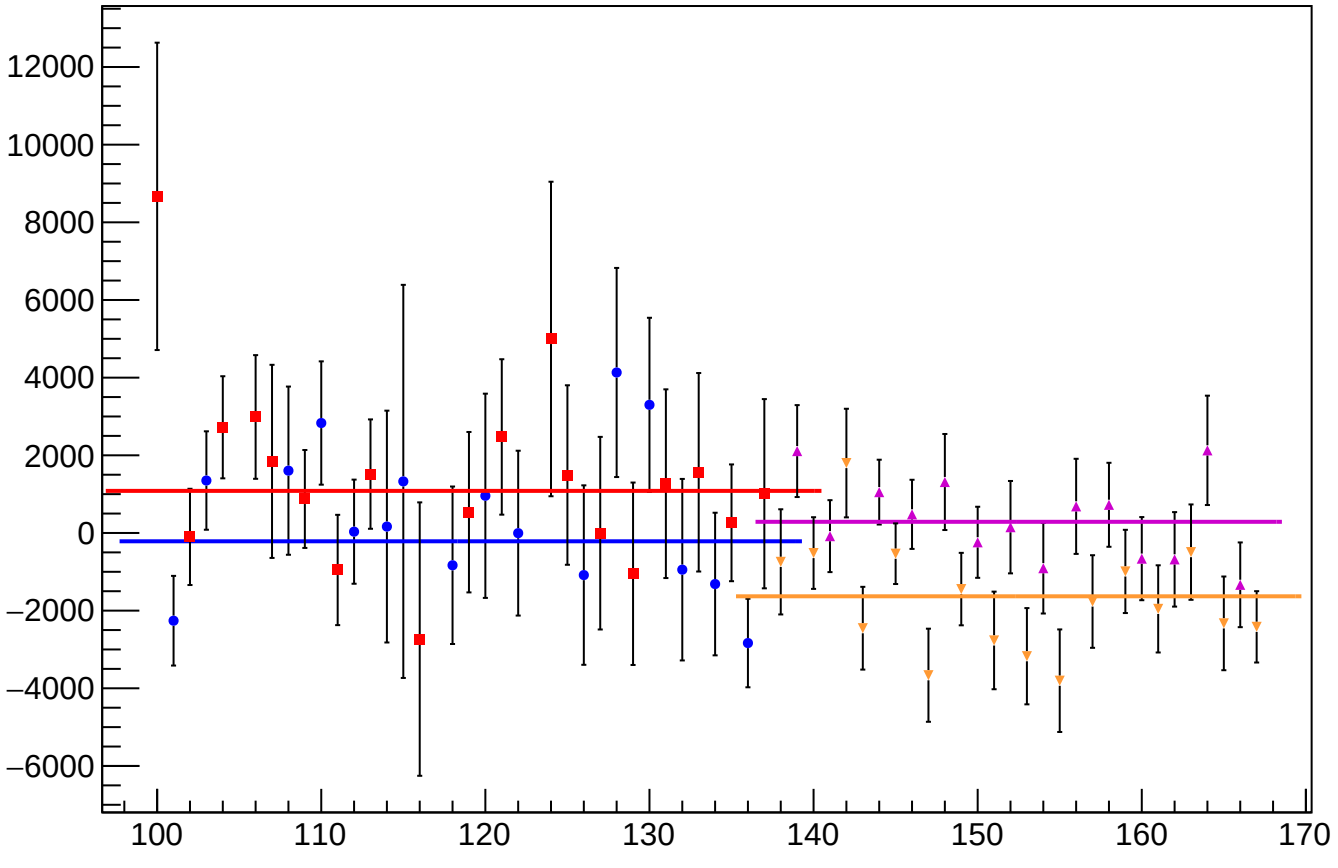
Left: 122.088+/-0.018 χ^2/NDF: 652864.6/29

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.976+/-0.019 χ^2/NDF:692923.7/29

Out: 116.489+/-0.019 χ^2/NDF:817608.0/34

All: 117.199+/-0.013 χ^2/NDF: 1513578.0/64



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1630.885+/-273.610 χ^2/NDF:20.8/15

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 287.564+/-285.370 χ^2/NDF:11.1/13

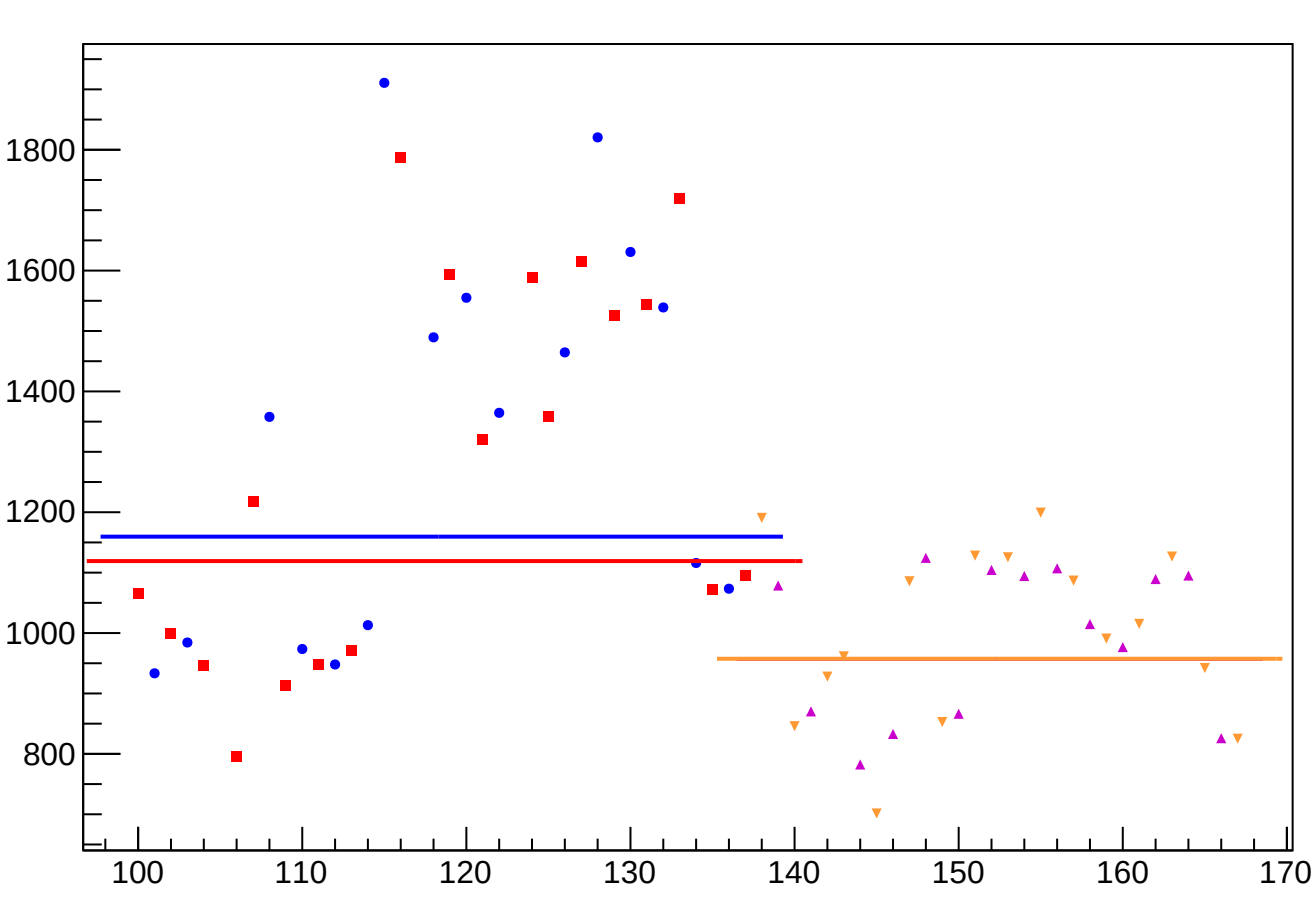
Left: -712.002+/-197.498 χ^2/NDF: 55.5/29

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 140.843+/-240.056 χ^2/NDF:32.4/29

Out: -832.139+/-229.862 χ^2/NDF:63.7/34

All: -366.744+/-166.024 χ^2/NDF: 104.7/64



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 957.424+/-0.193 χ^2/NDF:604240.1/15

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 957.098+/-0.202 χ^2/NDF:388037.3/13

Left: 957.268+/-0.140 χ^2/NDF: 992278.8/29

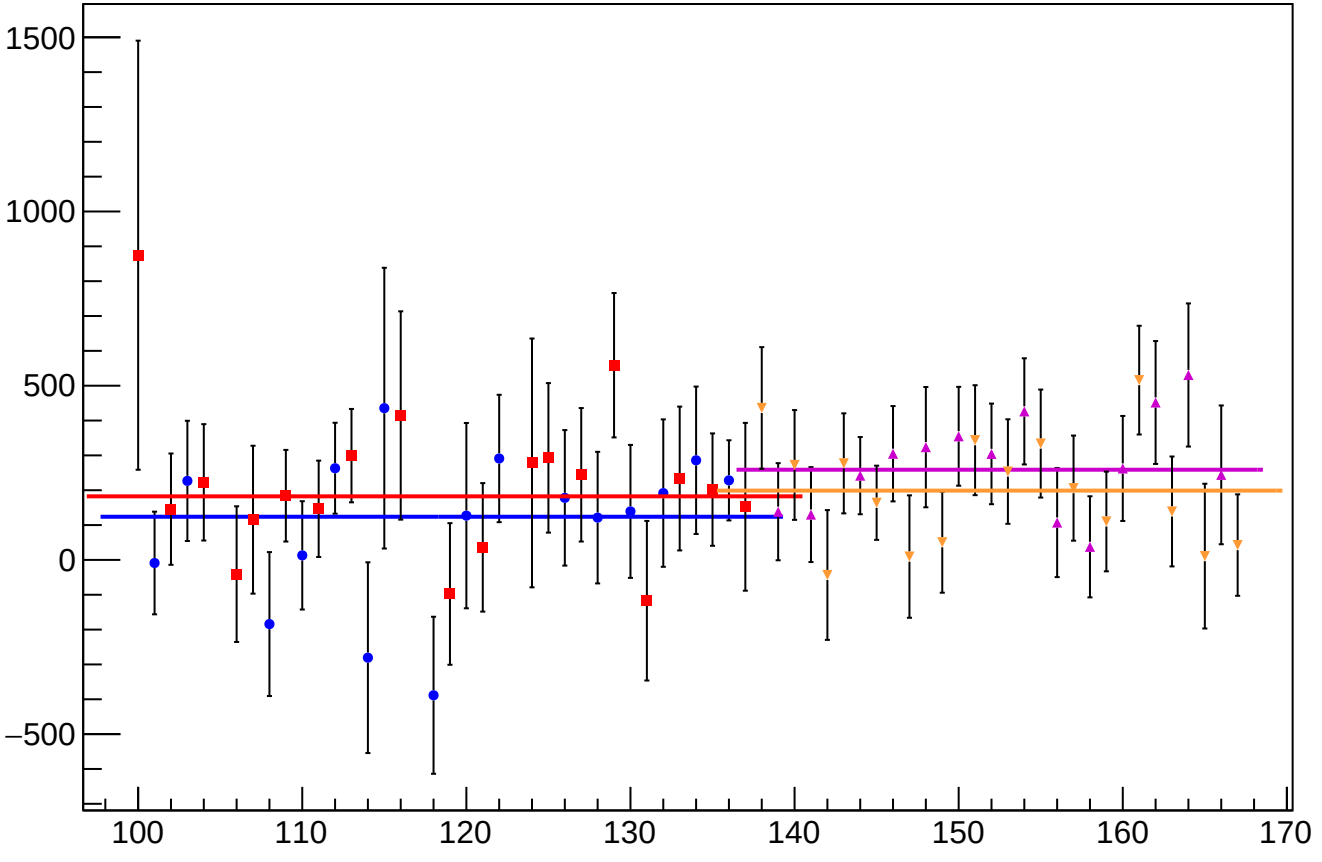
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1016.296+/-0.170 χ^2/NDF:1366071.8/29

Out: 1005.008+/-0.163 χ^2/NDF:1612994.1/34

All: 1010.407+/-0.117 χ^2/NDF: 2981373.0/64

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 198.929+/-38.087 χ^2/NDF:14.7/15

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 258.863+/-39.907 χ^2/NDF:9.9/13

Left: 227.498+/-27.552 χ^2/NDF: 25.8/29

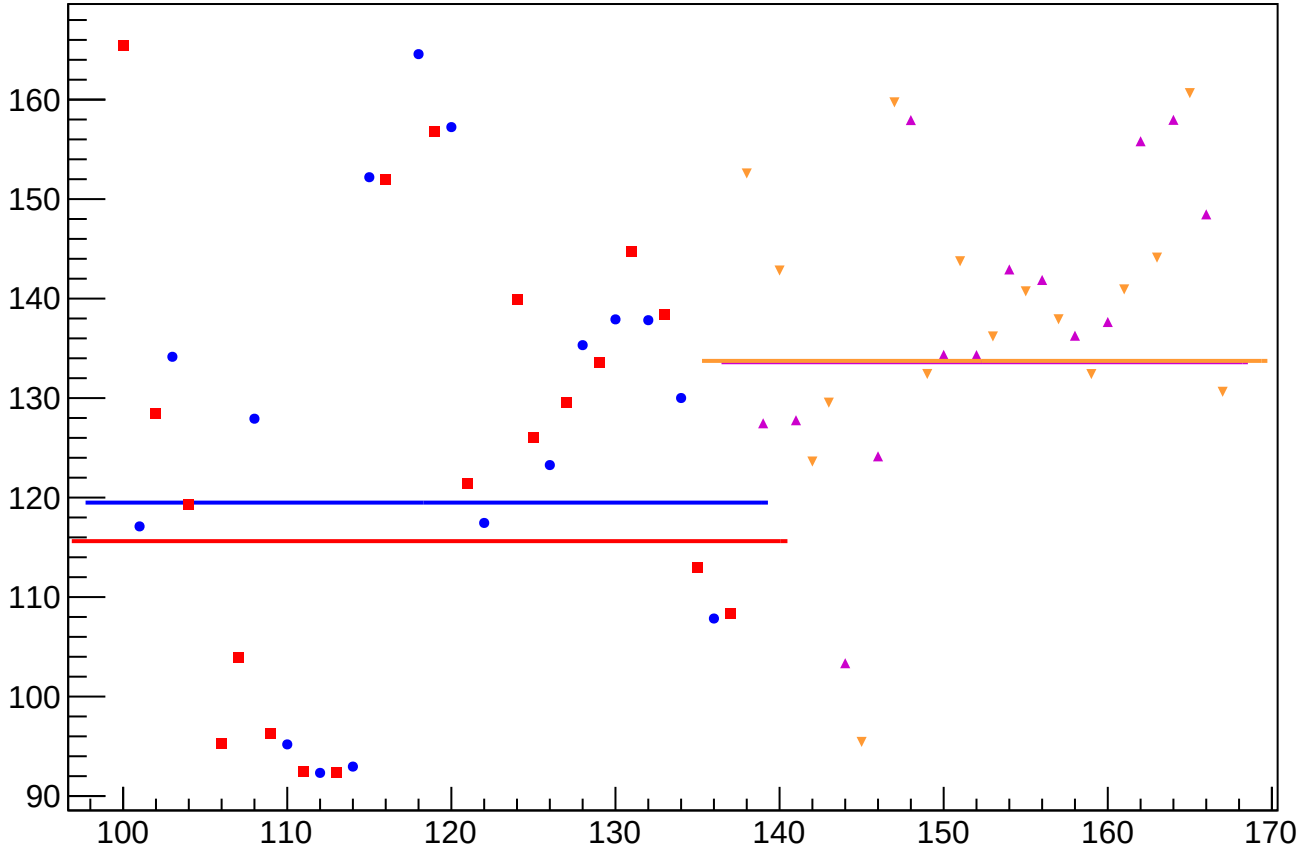
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 199.796+/-29.927 χ^2/NDF:30.3/29

Out: 191.734+/-28.576 χ^2/NDF:27.1/34

All: 195.579+/-20.667 χ^2/NDF: 57.5/64

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 133.738+/-0.027 χ^2/NDF:402004.3/15

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 133.603+/-0.028 χ^2/NDF:292224.0/13

Left: 133.674+/-0.019 χ^2/NDF: 694240.4/29

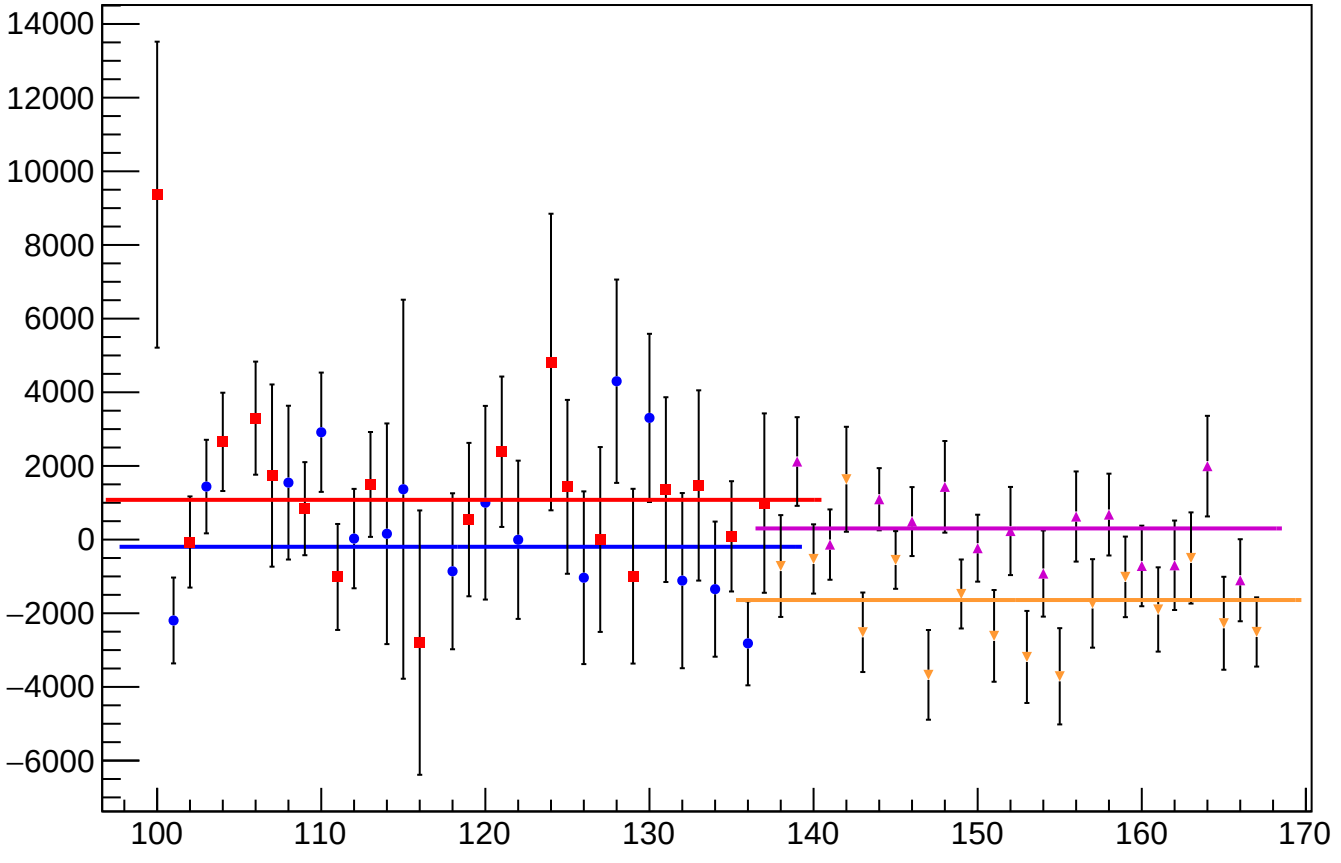
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 127.429+/-0.021 χ^2/NDF:781868.0/29

Out: 125.820+/-0.020 χ^2/NDF:1026749.9/34

All: 126.587+/-0.015 χ^2/NDF: 1811639.7/64

asym_sam_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1640.659+/-277.114 χ^2/NDF:19.5/15

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 303.022+/-289.263 χ^2/NDF:10.5/13

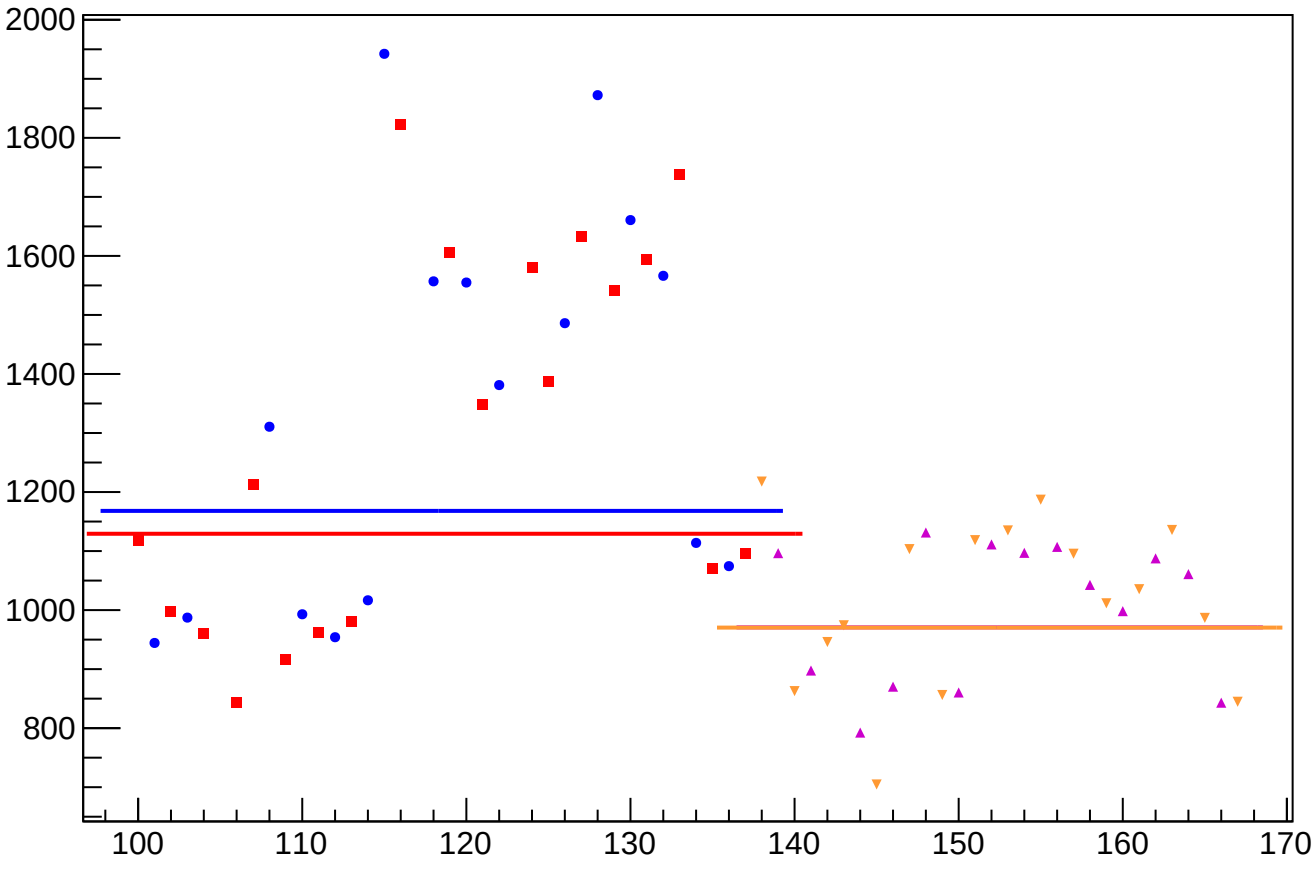
Left: -710.491+/-200.106 χ^2/NDF: 53.6/29

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 156.154+/-242.903 χ^2/NDF:31.8/29

Out: -831.759+/-232.283 χ^2/NDF:62.8/34

All: -359.871+/-167.878 χ^2/NDF: 103.2/64



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 970.355+/-0.196 χ^2/NDF:595374.4/15

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 970.722+/-0.205 χ^2/NDF:347403.1/13

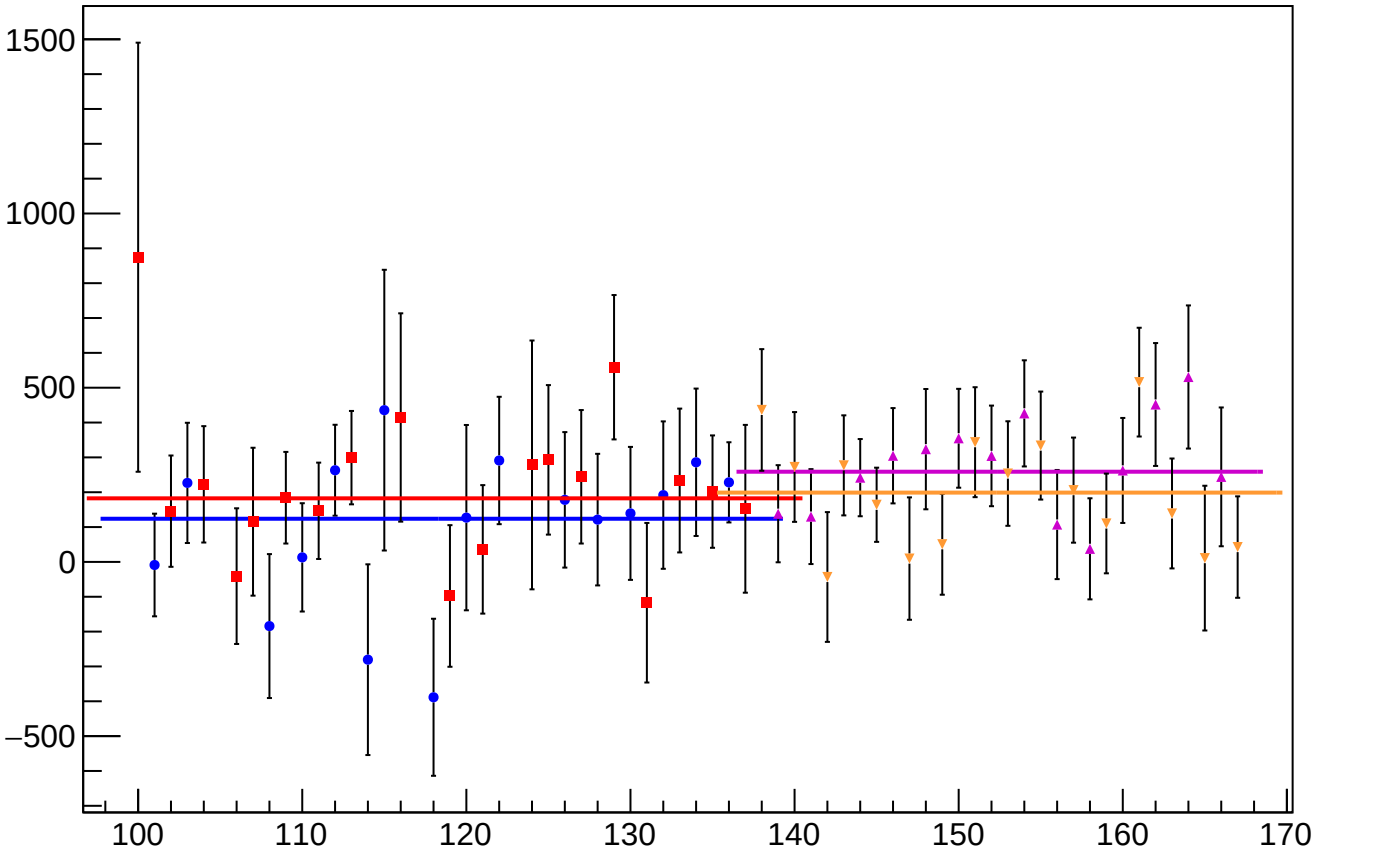
Left: 970.530+/-0.141 χ^2/NDF: 942779.1/29

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1028.908+/-0.172 χ^2/NDF:1331229.5/29

Out: 1017.628+/-0.164 χ^2/NDF:1598307.8/34

All: 1023.016+/-0.119 χ^2/NDF: 2931790.3/64



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 198.932+/-38.087 χ^2/NDF:14.7/15

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 258.864+/-39.907 χ^2/NDF:9.9/13

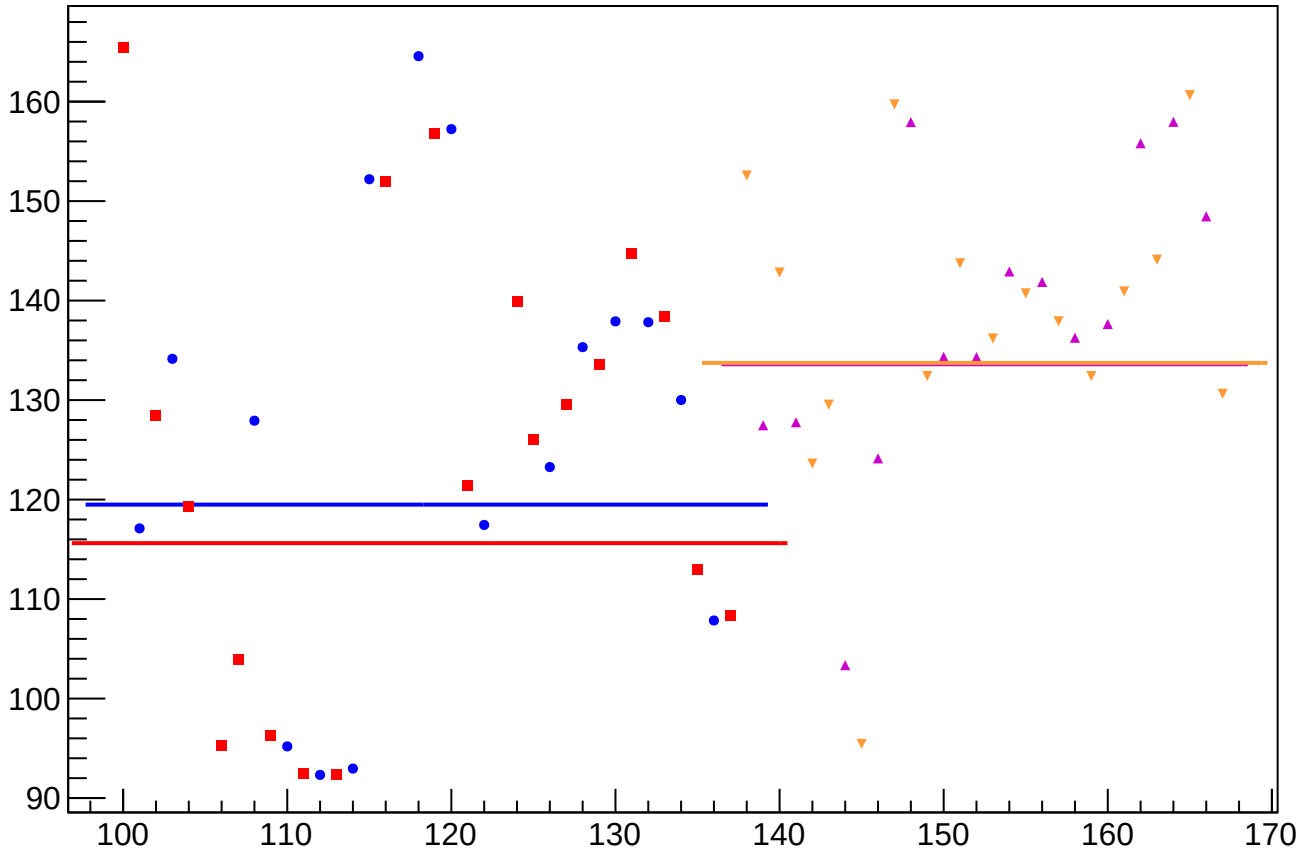
Left: 227.500+/-27.552 χ^2/NDF: 25.8/29

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 199.798+/-29.927 χ^2/NDF:30.3/29

Out: 191.736+/-28.576 χ^2/NDF:27.1/34

All: 195.581+/-20.667 χ^2/NDF: 57.5/64



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 133.739+/-0.027 χ^2/NDF:402004.8/15

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 133.603+/-0.028 χ^2/NDF:292222.8/13

Left: 133.674+/-0.019 χ^2/NDF: 694239.8/29

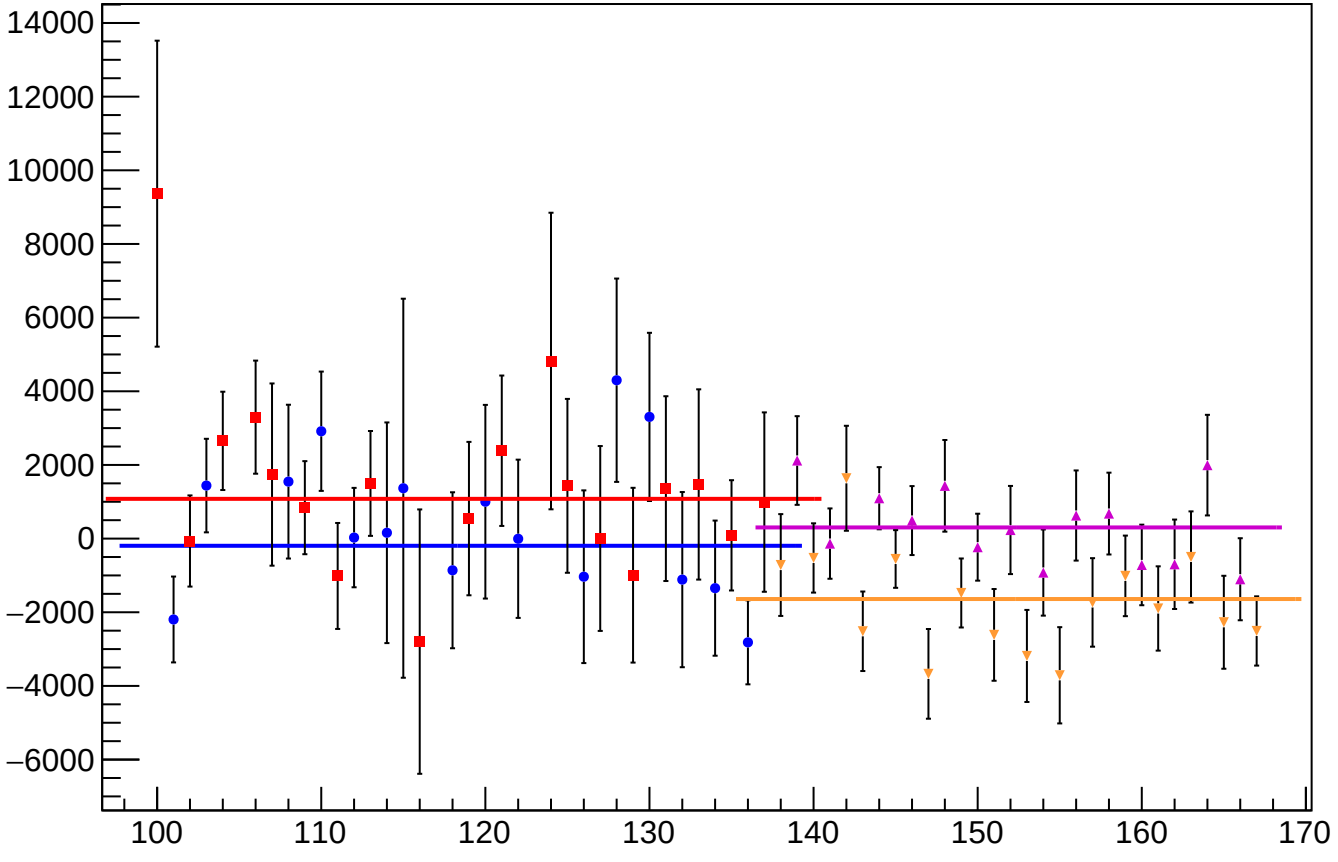
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 127.429+/-0.021 χ^2/NDF:781871.2/29

Out: 125.820+/-0.020 χ^2/NDF:1026757.6/34

All: 126.587+/-0.015 χ^2/NDF: 1811650.8/64

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1640.655+/-277.114 χ^2/NDF:19.5/15

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 303.021+/-289.263 χ^2/NDF:10.5/13

Left: -710.490+/-200.106 χ^2/NDF: 53.6/29

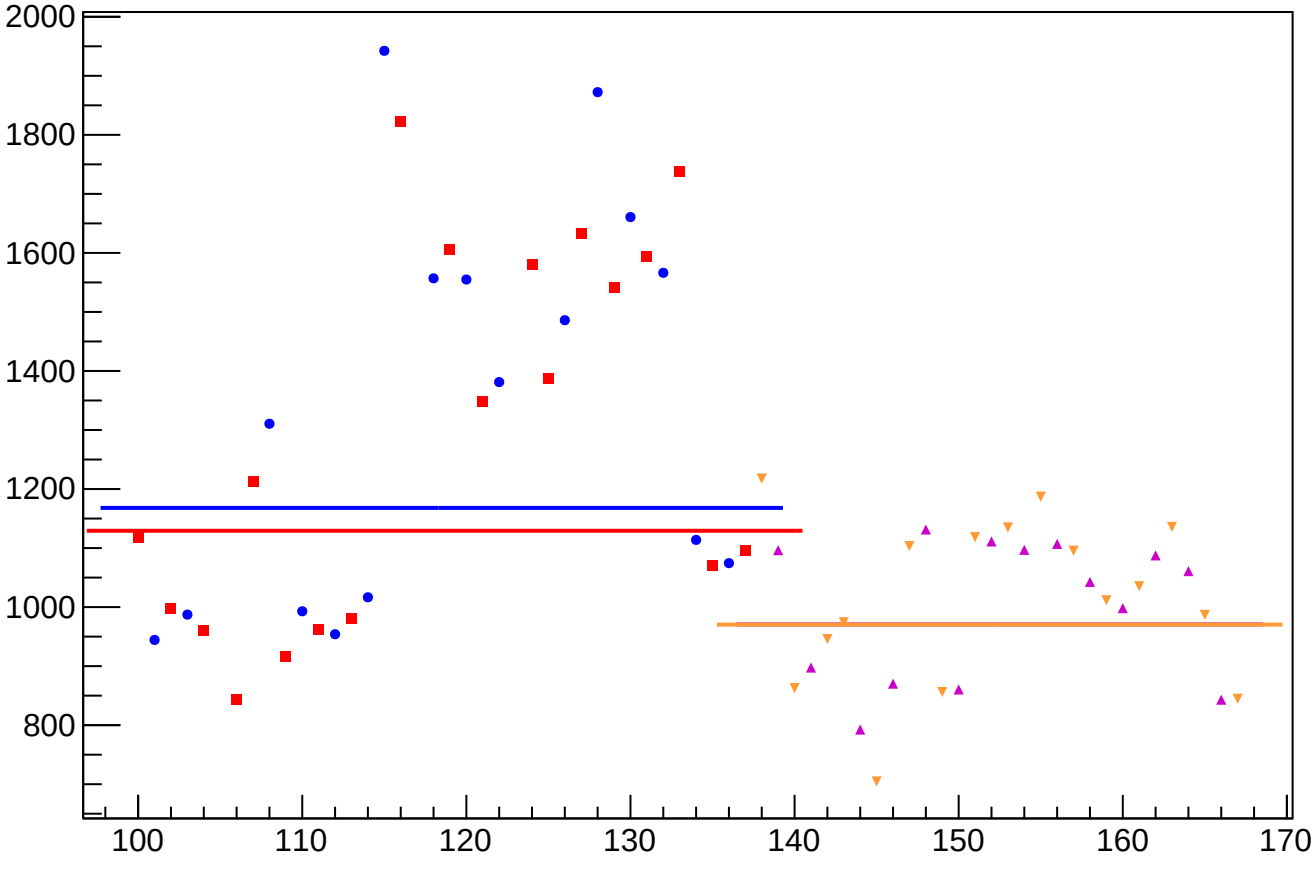
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 156.154+/-242.903 χ^2/NDF:31.8/29

Out: -831.758+/-232.283 χ^2/NDF:62.8/34

All: -359.870+/-167.878 χ^2/NDF: 103.2/64

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 970.354+/-0.196 χ^2/NDF:595379.8/15

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 970.721+/-0.205 χ^2/NDF:347402.6/13

Left: 970.530+/-0.141 χ^2/NDF: 942784.1/29

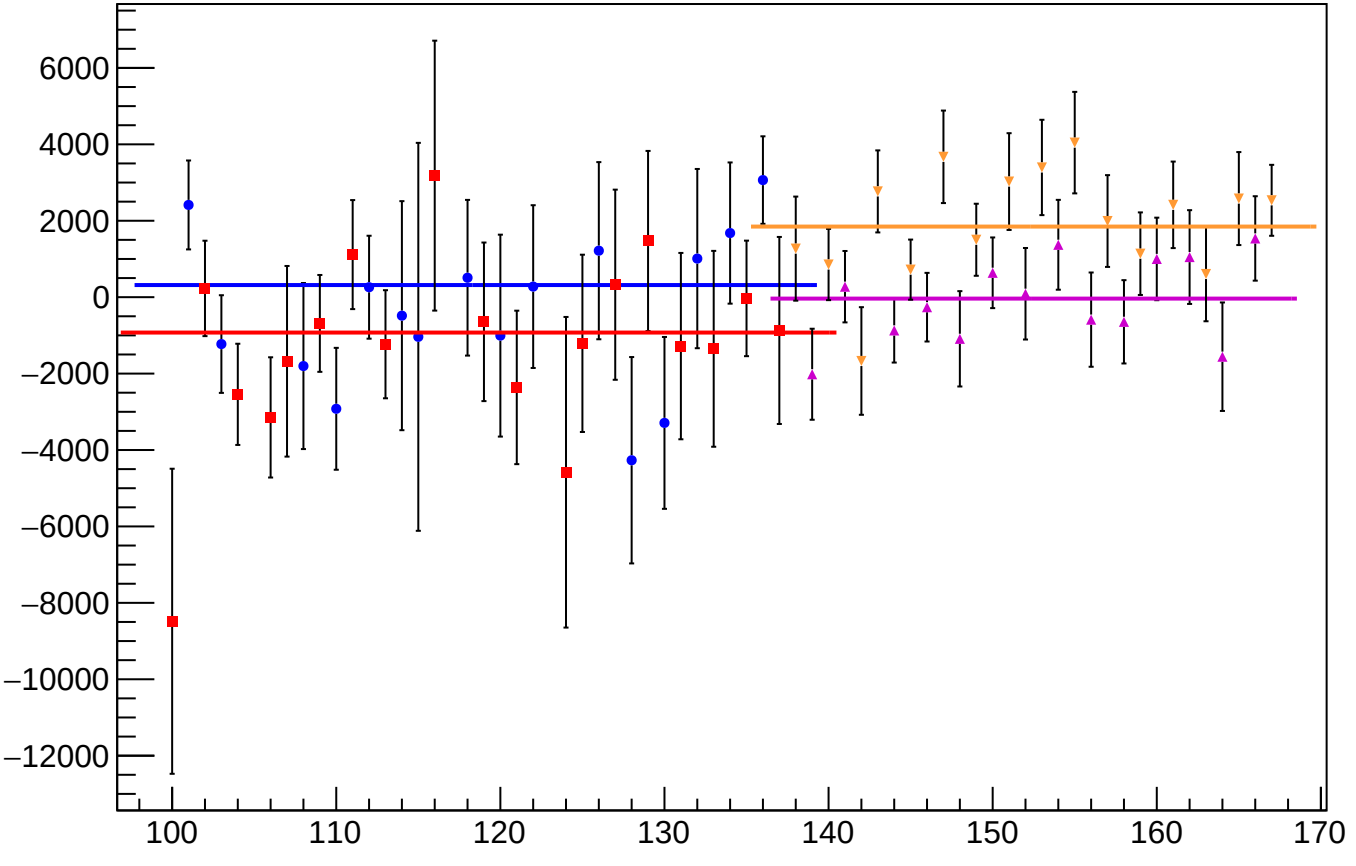
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1028.907+/-0.172 χ^2/NDF:1331231.9/29

Out: 1017.627+/-0.164 χ^2/NDF:1598316.5/34

All: 1023.015+/-0.119 χ^2/NDF: 2931801.5/64

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1847.682+/-275.907 χ^2/NDF:20.5/15

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -37.286+/-287.806 χ^2/NDF:12.0/13

Left: 944.969+/-199.169 χ^2/NDF: 54.9/29

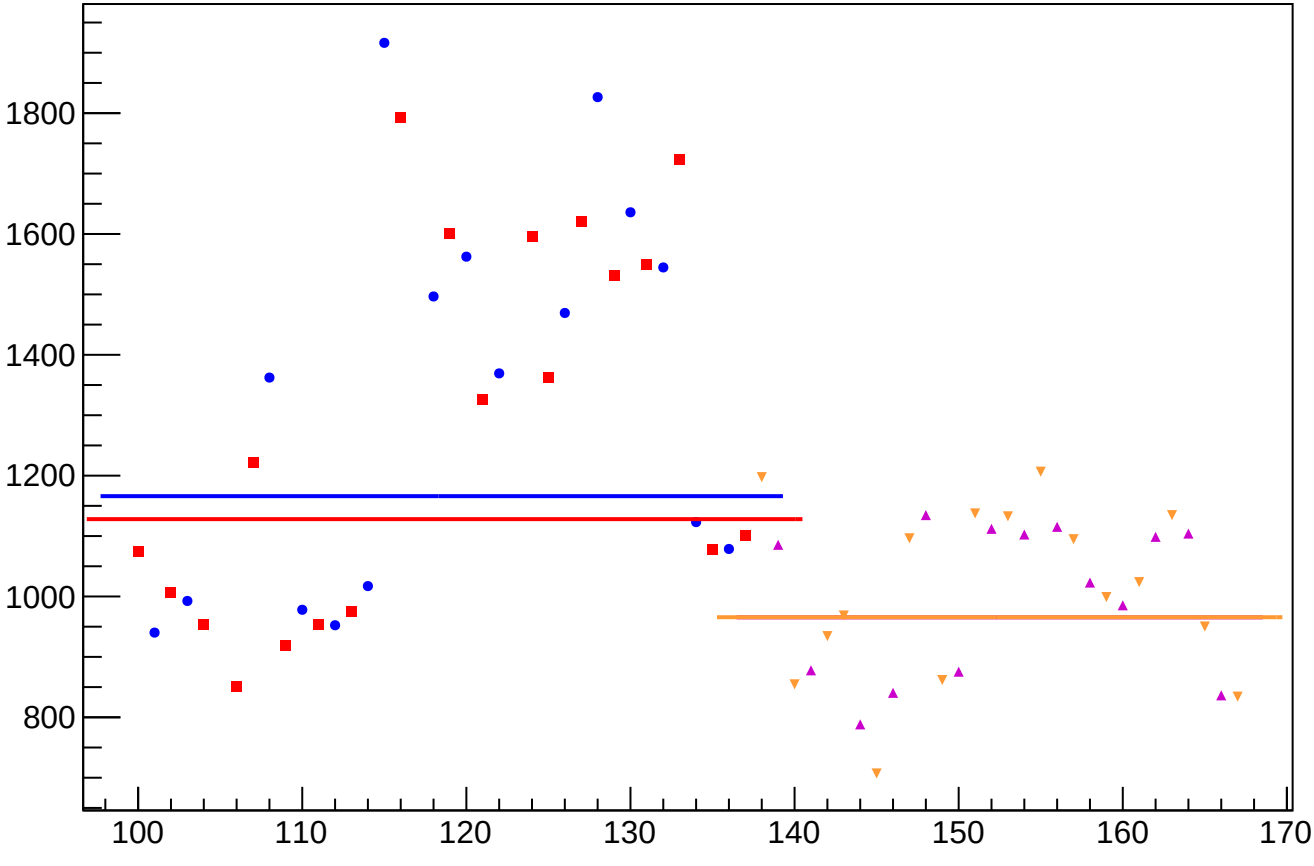
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 66.867+/-241.881 χ^2/NDF:34.6/29

Out: 1026.394+/-231.483 χ^2/NDF:65.0/34

All: 567.697+/-167.238 χ^2/NDF: 107.8/64

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 965.663+/-0.195 χ^2/NDF:597436.9/15

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 965.420+/-0.204 χ^2/NDF:384013.3/13

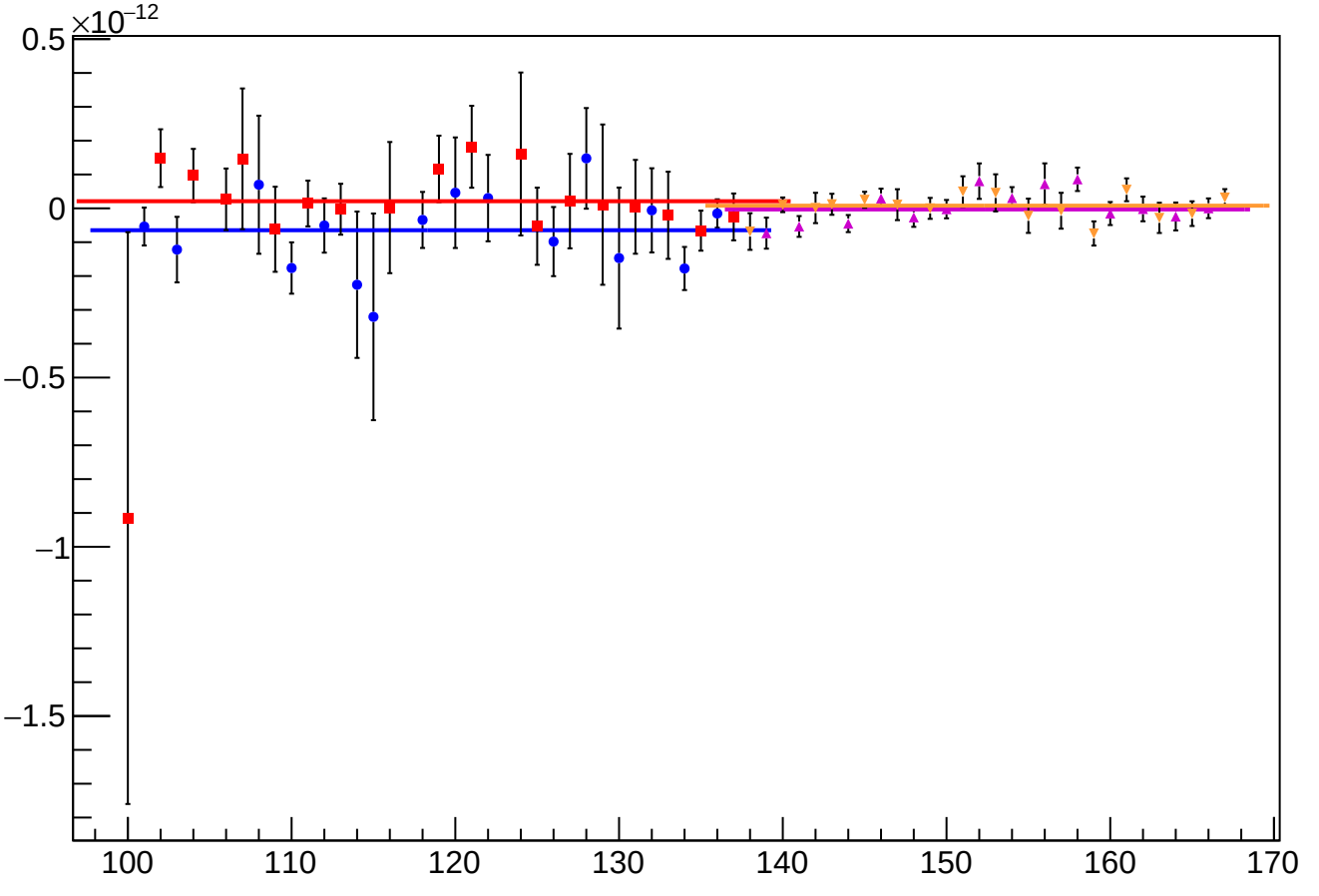
Left: 965.547+/-0.141 χ^2/NDF: 981450.9/29

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1024.343+/-0.171 χ^2/NDF:1346518.8/29

Out: 1013.732+/-0.164 χ^2/NDF:1578228.8/34

All: 1018.805+/-0.118 χ^2/NDF: 2926756.3/64



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/13

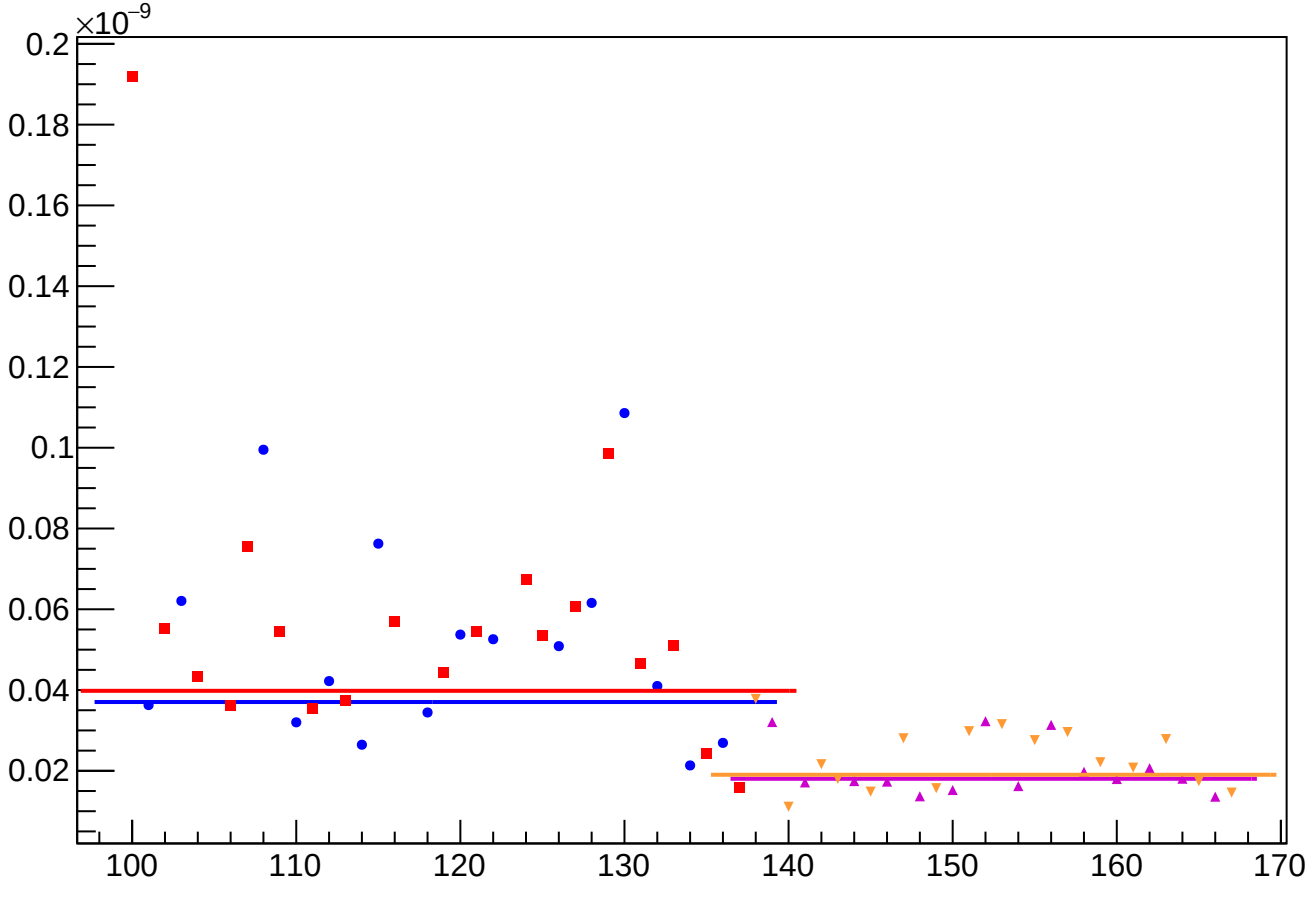
Left: 0.000+/-0.000 χ^2/NDF: 36.3/29

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:41.2/29

Out: 0.000+/-0.000 χ^2/NDF:25.4/34

All: -0.000+/-0.000 χ^2/NDF: 70.0/64



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1200221.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:571779.3/13

Left: 0.000+/-0.000 χ^2/NDF: 1785032.1/29

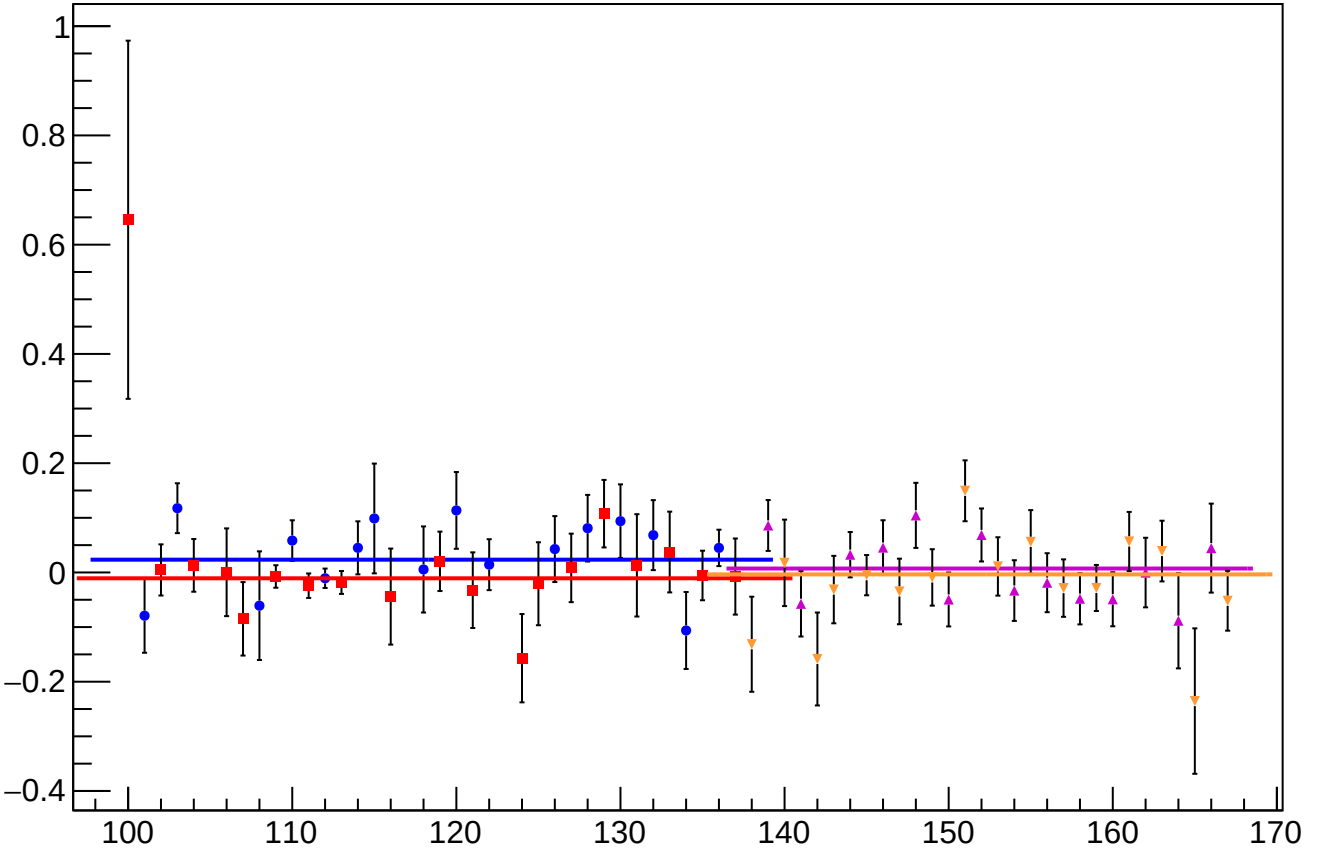
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2868749.8/29

Out: 0.000+/-0.000 χ^2/NDF:3522645.0/34

All: 0.000+/-0.000 χ^2/NDF: 6402626.3/64

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.004+/-0.014 χ^2/NDF:20.9/15

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.014 χ^2/NDF:15.4/13

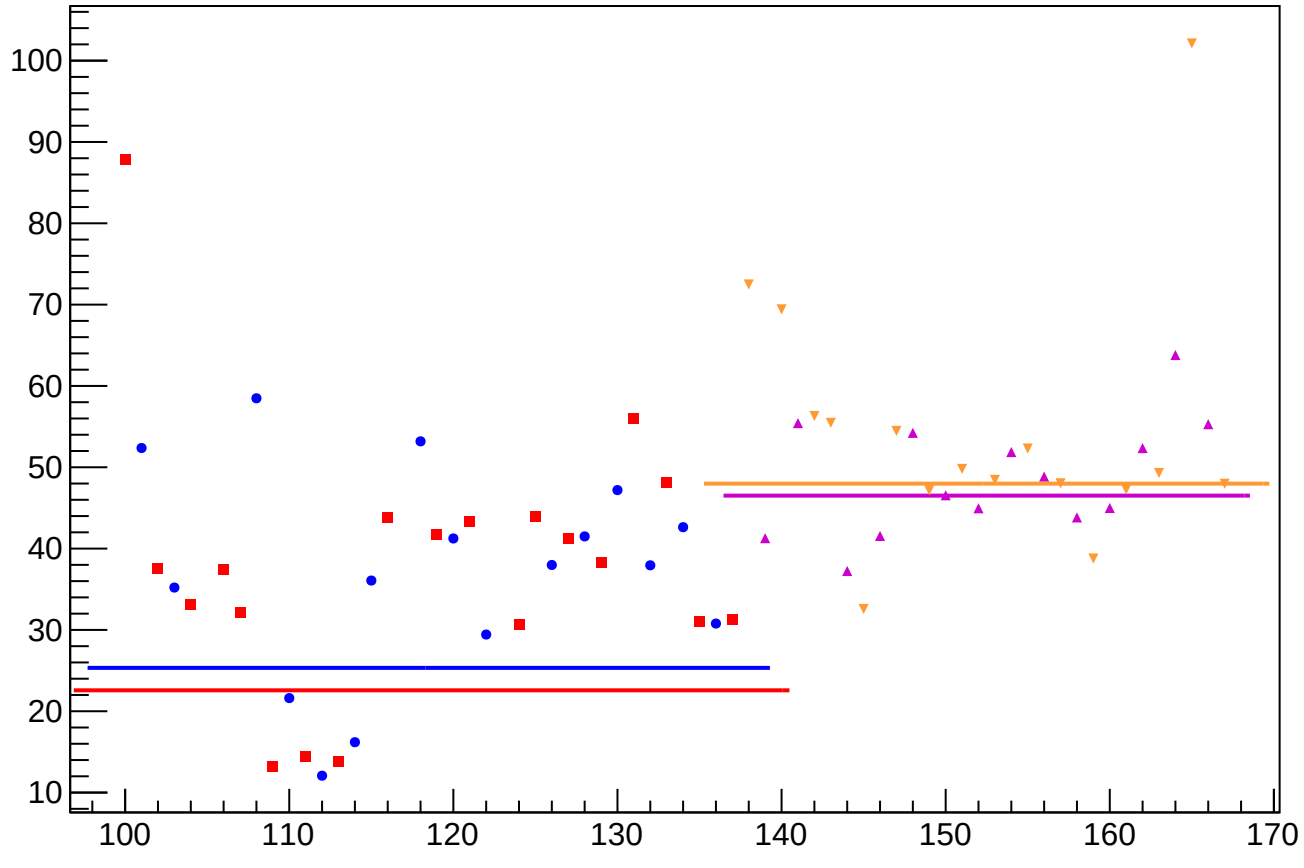
Left: 0.002+/-0.010 χ^2/NDF: 36.6/29

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:37.0/29

Out: -0.008+/-0.008 χ^2/NDF:35.3/34

All: 0.003+/-0.006 χ^2/NDF: 77.0/64



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.986+/-0.010 χ^2/NDF:1168070.4/15

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.513+/-0.010 χ^2/NDF:373923.4/13

Left: 47.260+/-0.007 χ^2/NDF: 1552760.7/29

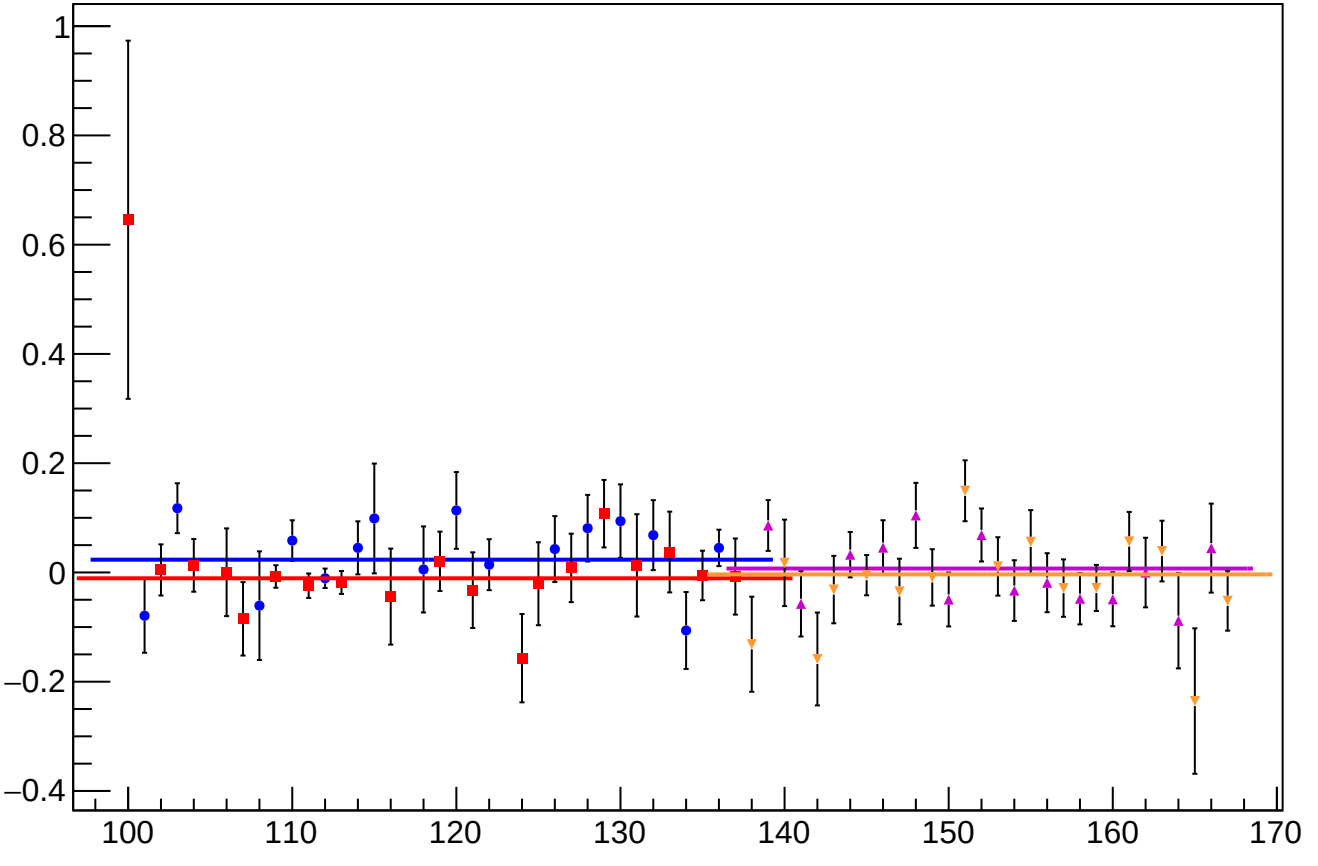
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.272+/-0.006 χ^2/NDF:6043509.5/29

Out: 30.851+/-0.006 χ^2/NDF:8688357.8/34

All: 31.960+/-0.004 χ^2/NDF: 14814759.9/64

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.004+/-0.014 χ^2/NDF:20.9/15

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.014 χ^2/NDF:15.4/13

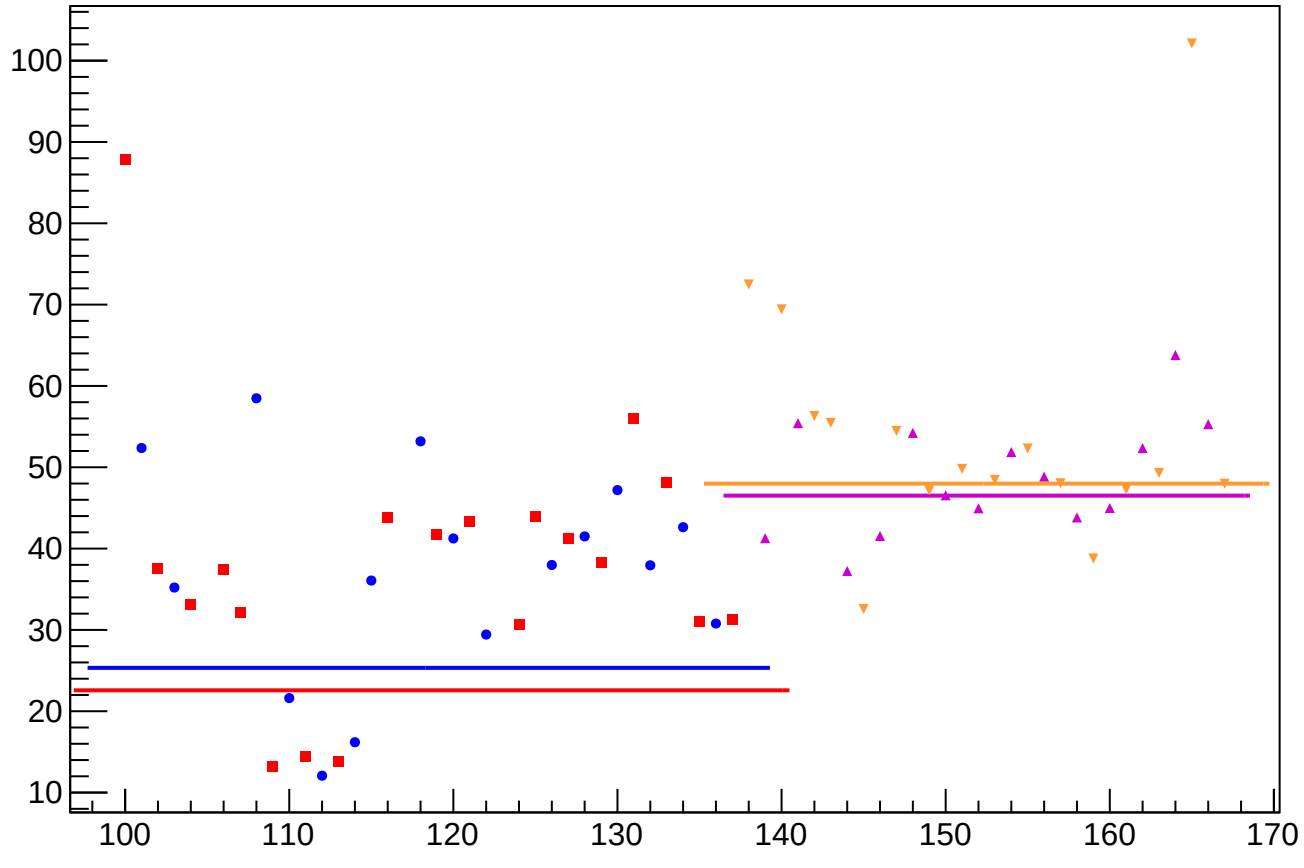
Left: 0.002+/-0.010 χ^2/NDF: 36.6/29

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:37.0/29

Out: -0.008+/-0.008 χ^2/NDF:35.3/34

All: 0.003+/-0.006 χ^2/NDF: 77.0/64



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.986+/-0.010 χ^2/NDF:1168070.4/15

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.513+/-0.010 χ^2/NDF:373923.4/13

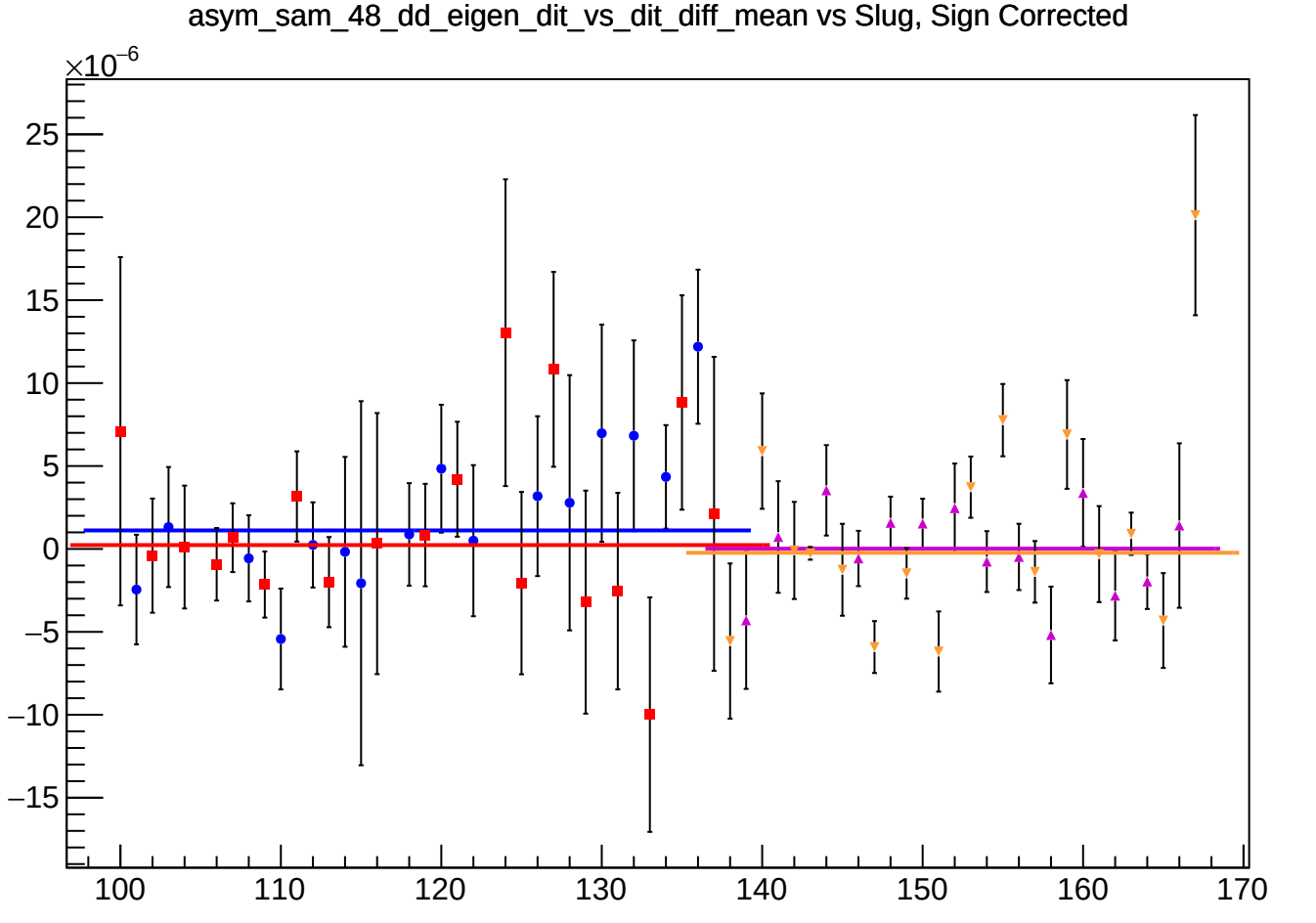
Left: 47.260+/-0.007 χ^2/NDF: 1552760.7/29

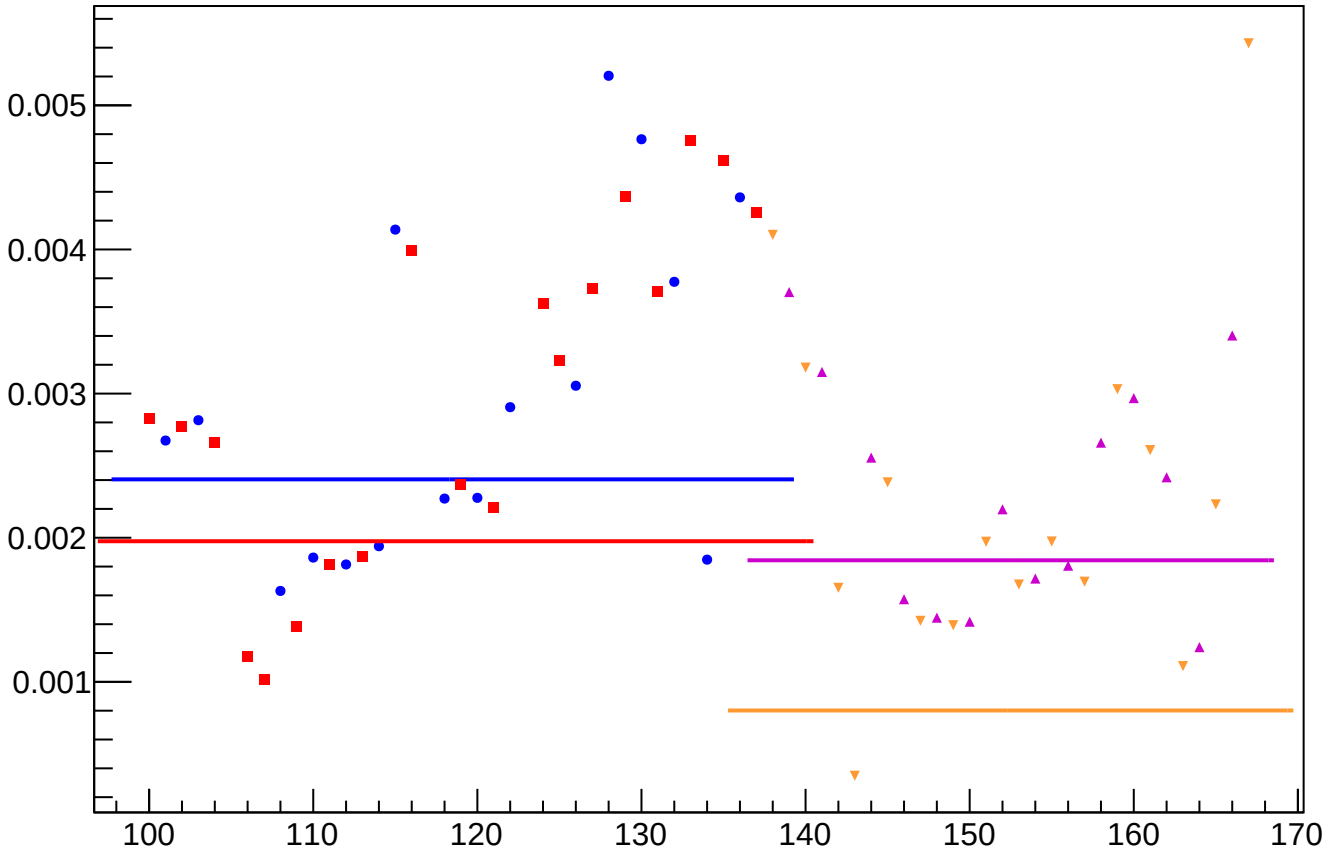
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.272+/-0.006 χ^2/NDF:6043509.5/29

Out: 30.851+/-0.006 χ^2/NDF:8688357.8/34

All: 31.960+/-0.004 χ^2/NDF: 14814759.9/64


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 16.2/15
Left Out: -0.000+/-0.000 χ²/NDF:61.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/18
Left In: 0.000+/-0.000 χ²/NDF:12.9/13
Left: -0.000+/-0.000 χ²/NDF: 74.9/29
Right: 0.000+/-0.000 χ²/NDF: 31.8/34
In: 0.000+/-0.000 χ²/NDF:30.0/29
Out: -0.000+/-0.000 χ²/NDF:77.3/34
All: -0.000+/-0.000 χ²/NDF: 108.0/64



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:11577117.9/15

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2181226.9/13

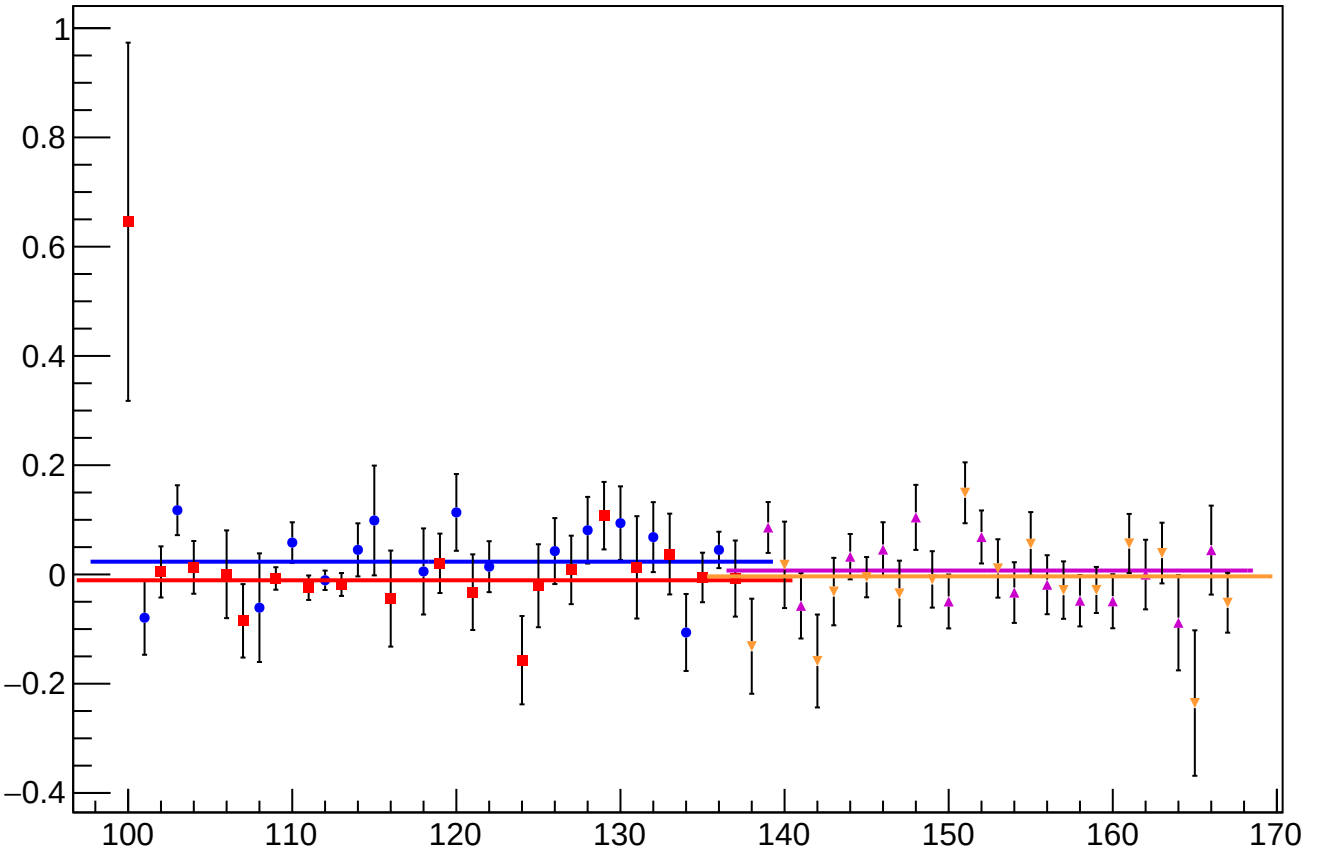
Left: 0.001+/-0.000 χ^2/NDF: 18663322.6/29

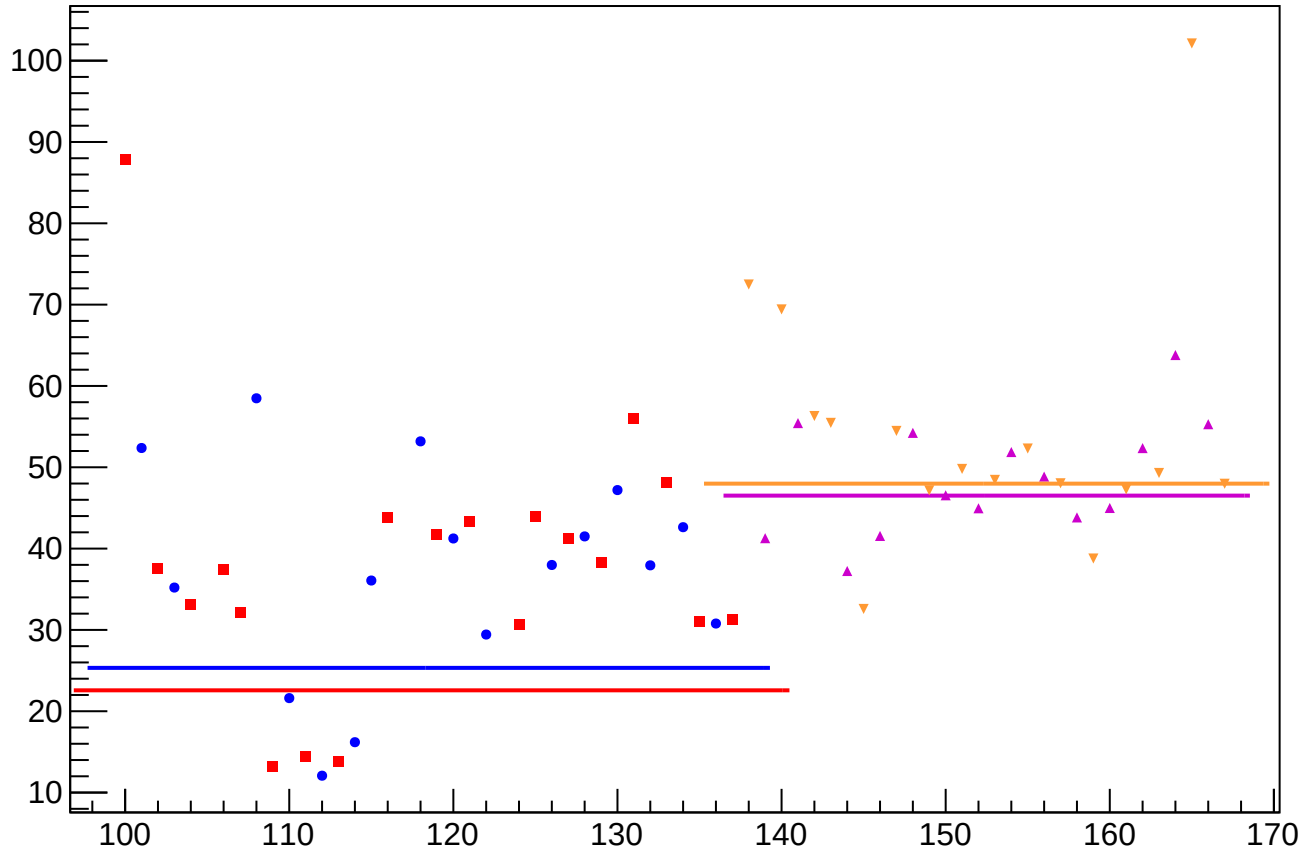
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4256541.8/29

Out: 0.001+/-0.000 χ^2/NDF:17973055.9/34

All: 0.001+/-0.000 χ^2/NDF: 28647689.3/64


asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.023+/-0.011 χ²/NDF: 20.7/15
Left Out: -0.004+/-0.014 χ²/NDF:20.9/15
Right Out: -0.011+/-0.010 χ²/NDF: 14.2/18
Left In: 0.007+/-0.014 χ²/NDF:15.4/13
Left: 0.002+/-0.010 χ²/NDF: 36.6/29
Right: 0.004+/-0.007 χ²/NDF: 40.3/34
In: 0.017+/-0.009 χ²/NDF:37.0/29
Out: -0.008+/-0.008 χ²/NDF:35.3/34
All: 0.003+/-0.006 χ²/NDF: 77.0/64



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168029.7/15

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.513+/-0.010 χ^2/NDF:373910.9/13

Left: 47.260+/-0.007 χ^2/NDF: 1552706.1/29

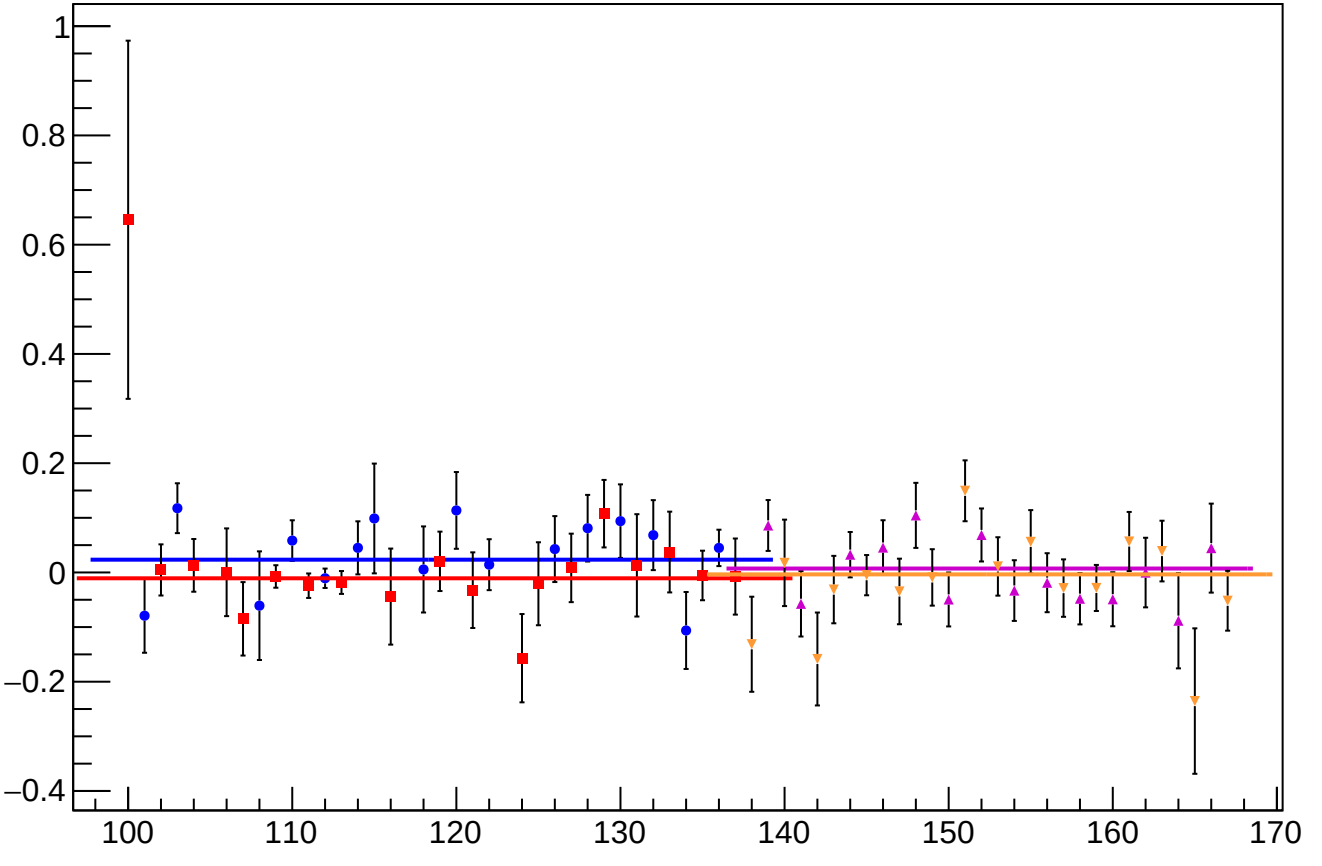
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.271+/-0.006 χ^2/NDF:6044418.9/29

Out: 30.851+/-0.006 χ^2/NDF:8688695.6/34

All: 31.960+/-0.004 χ^2/NDF: 14815955.1/64

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.004+/-0.014 χ^2/NDF:20.9/15

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.014 χ^2/NDF:15.4/13

Left: 0.002+/-0.010 χ^2/NDF: 36.6/29

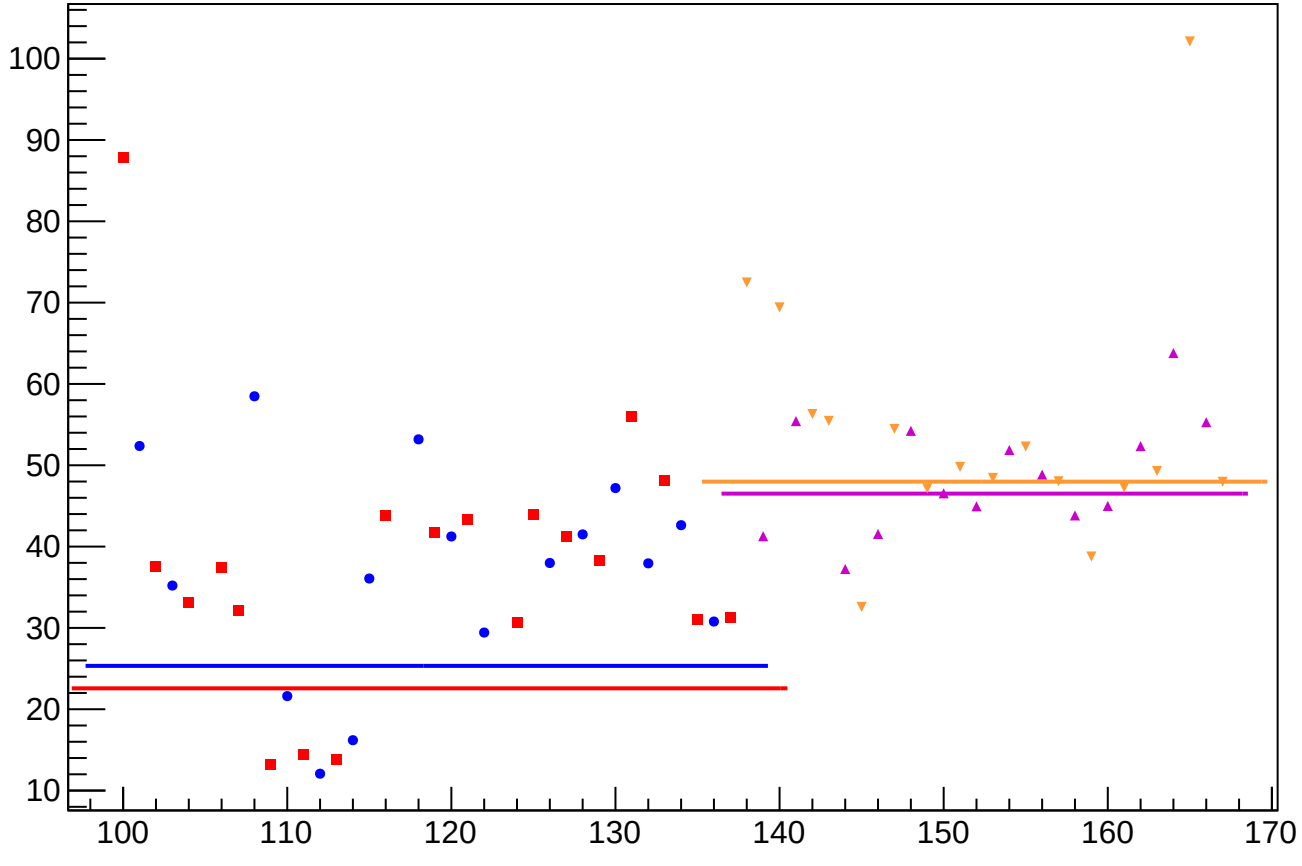
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:37.0/29

Out: -0.008+/-0.008 χ^2/NDF:35.3/34

All: 0.003+/-0.006 χ^2/NDF: 77.0/64

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168029.7/15

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.513+/-0.010 χ^2/NDF:373910.9/13

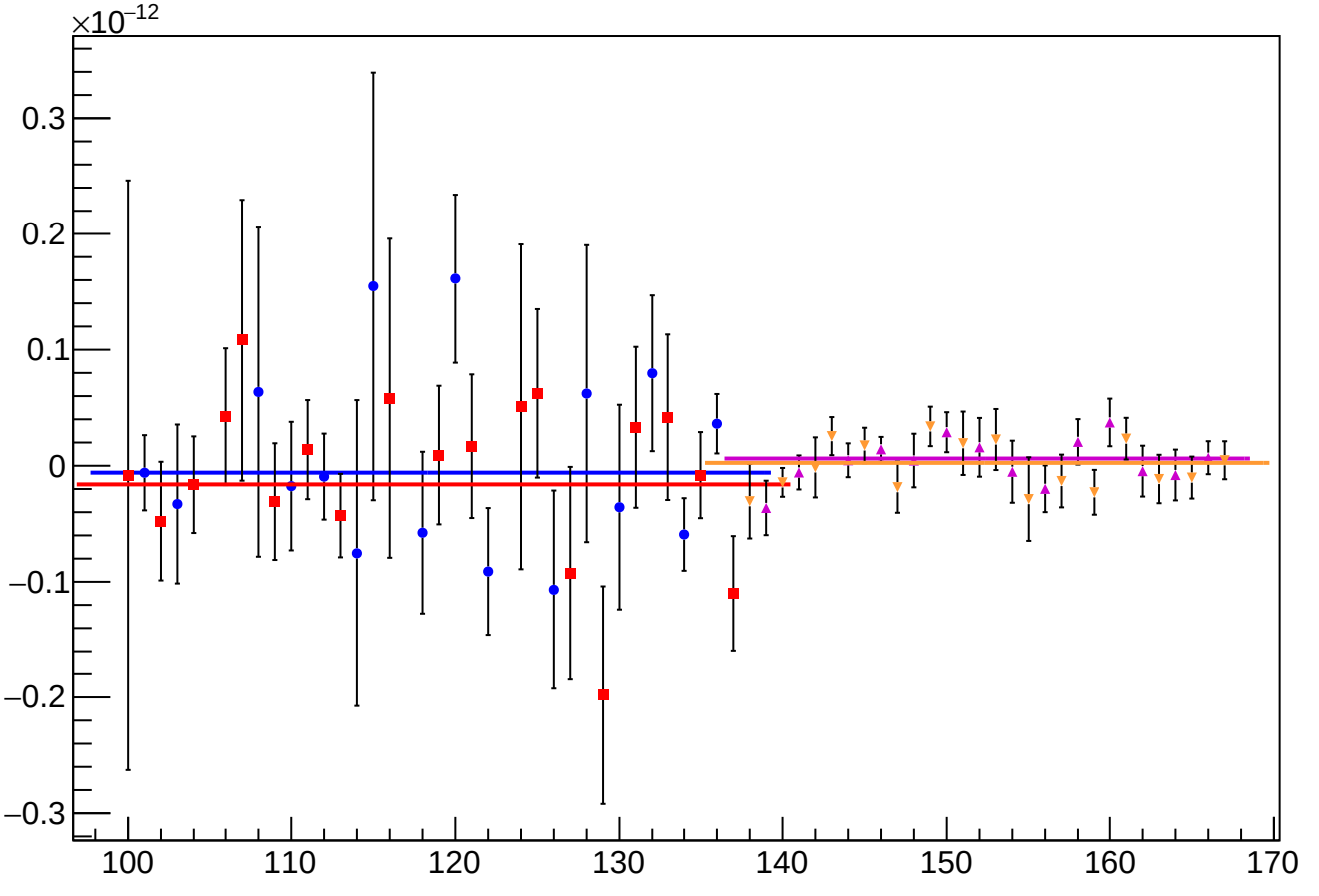
Left: 47.260+/-0.007 χ^2/NDF: 1552706.1/29

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.271+/-0.006 χ^2/NDF:6044418.9/29

Out: 30.851+/-0.006 χ^2/NDF:8688695.6/34

All: 31.960+/-0.004 χ^2/NDF: 14815955.1/64



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/13

Left: 0.000+/-0.000 χ^2/NDF: 28.5/29

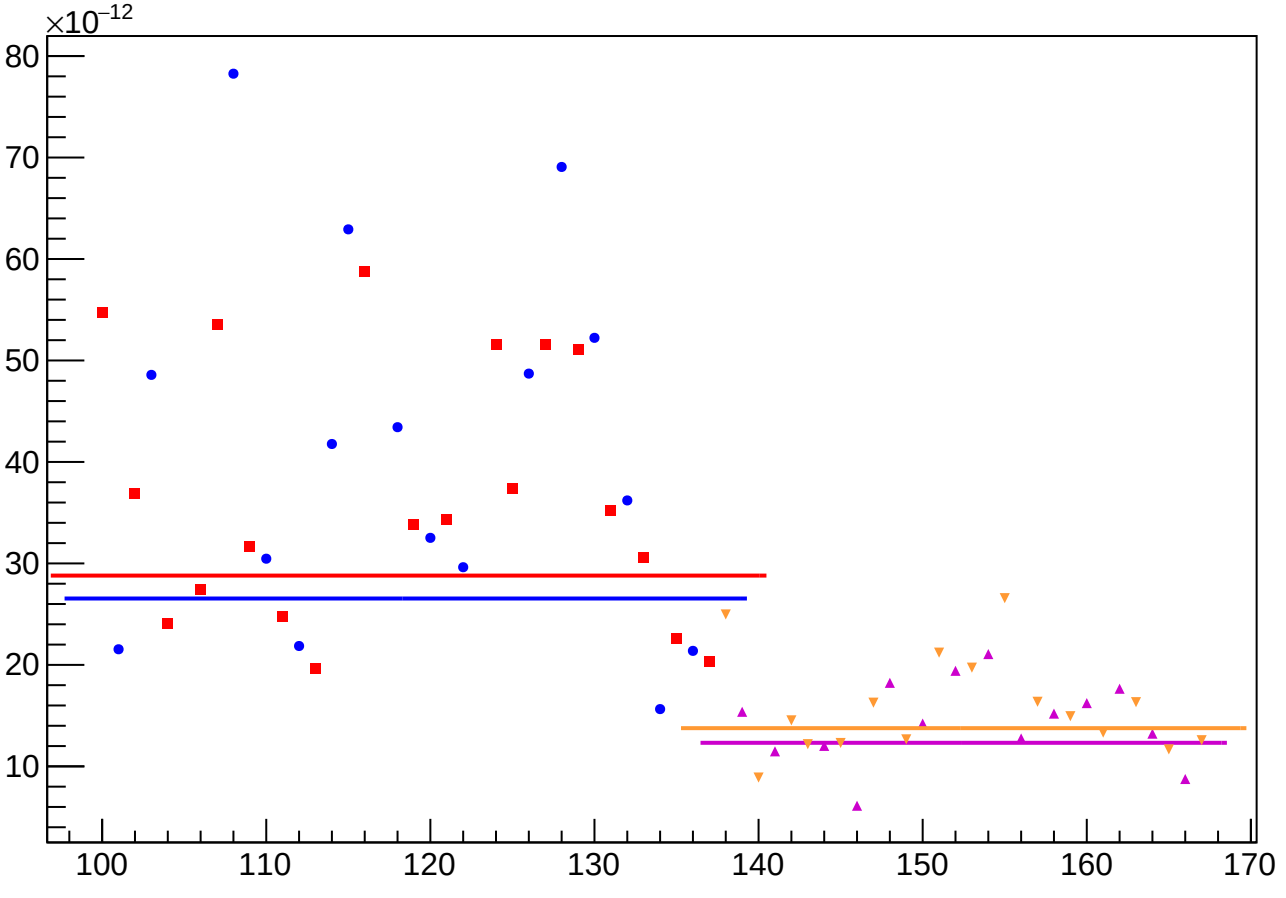
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:31.4/29

Out: 0.000+/-0.000 χ^2/NDF:33.1/34

All: 0.000+/-0.000 χ^2/NDF: 64.9/64

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1231345.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1605598.7/13

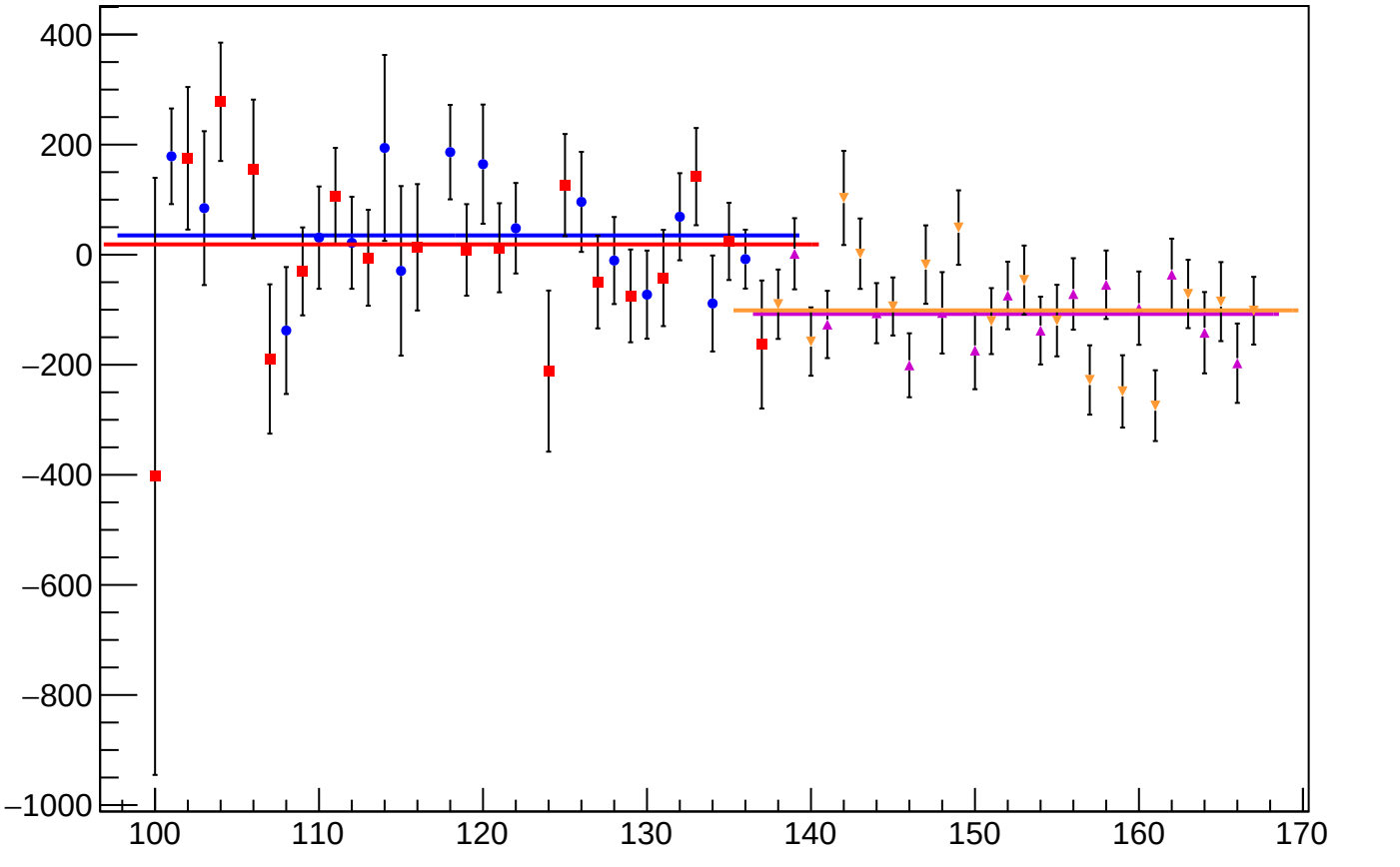
Left: 0.000+/-0.000 χ^2/NDF: 2928123.4/29

Right: 0.000+/-0.000 χ^2/NDF: 2634482.2/34

In: 0.000+/-0.000 χ^2/NDF:5496026.4/29

Out: 0.000+/-0.000 χ^2/NDF:4402360.9/34

All: 0.000+/-0.000 χ^2/NDF: 10005645.1/64



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.158+/-16.054 χ^2/NDF:33.0/15

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -107.682+/-17.189 χ^2/NDF:11.0/13

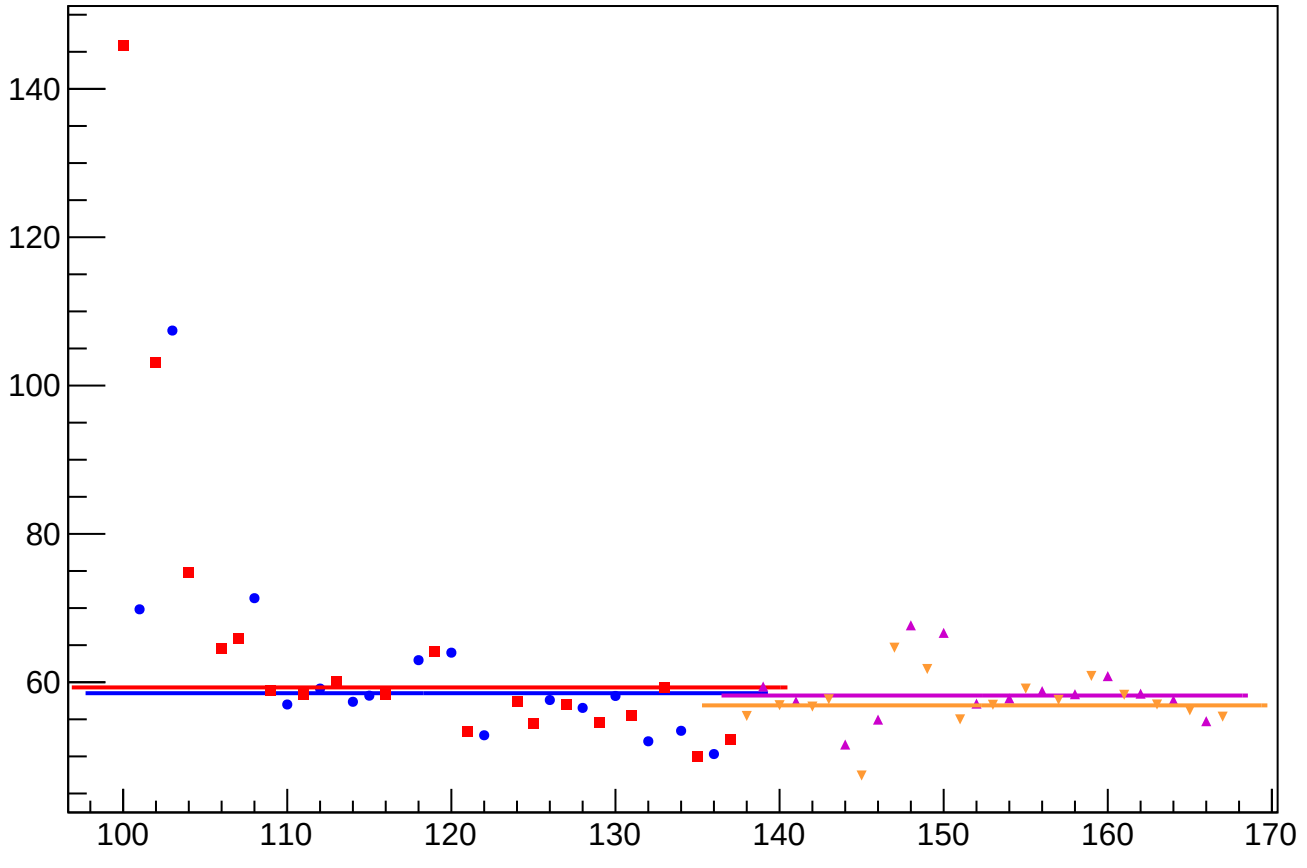
Left: -104.197+/-11.733 χ^2/NDF: 44.1/29

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -53.997+/-13.576 χ^2/NDF:53.1/29

Out: -59.850+/-12.996 χ^2/NDF:75.7/34

All: -57.051+/-9.388 χ^2/NDF: 128.9/64



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.880+/-0.011 χ^2/NDF:114433.1/15

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.209+/-0.012 χ^2/NDF:106936.9/13

Left: 57.499+/-0.008 χ^2/NDF: 227757.4/29

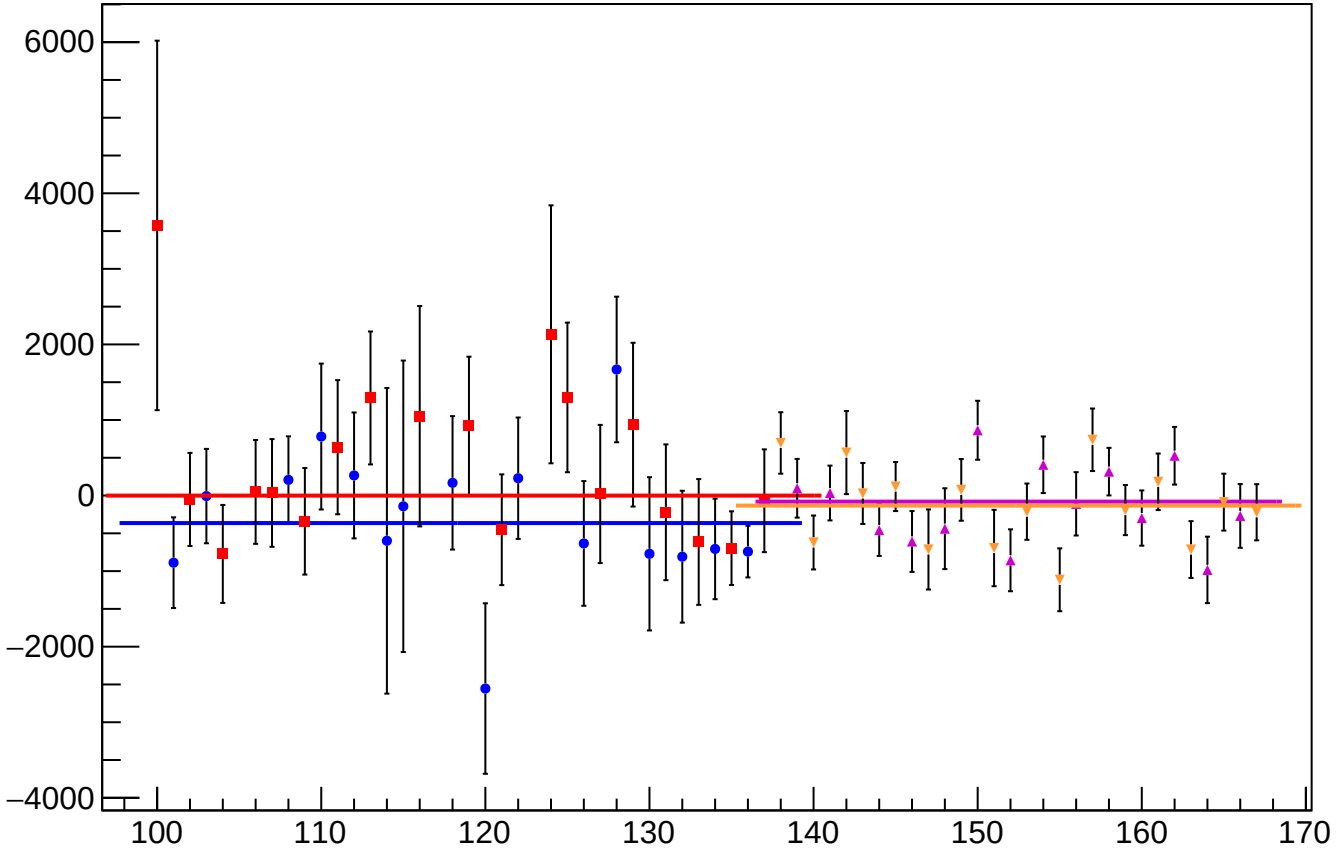
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.327+/-0.010 χ^2/NDF:499928.1/29

Out: 57.714+/-0.009 χ^2/NDF:536725.9/34

All: 58.007+/-0.007 χ^2/NDF: 1038776.2/64

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -133.212+/-98.643 χ^2/NDF:24.4/15

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -80.370+/-103.671 χ^2/NDF:23.7/13

Left: -108.104+/-71.463 χ^2/NDF: 48.2/29

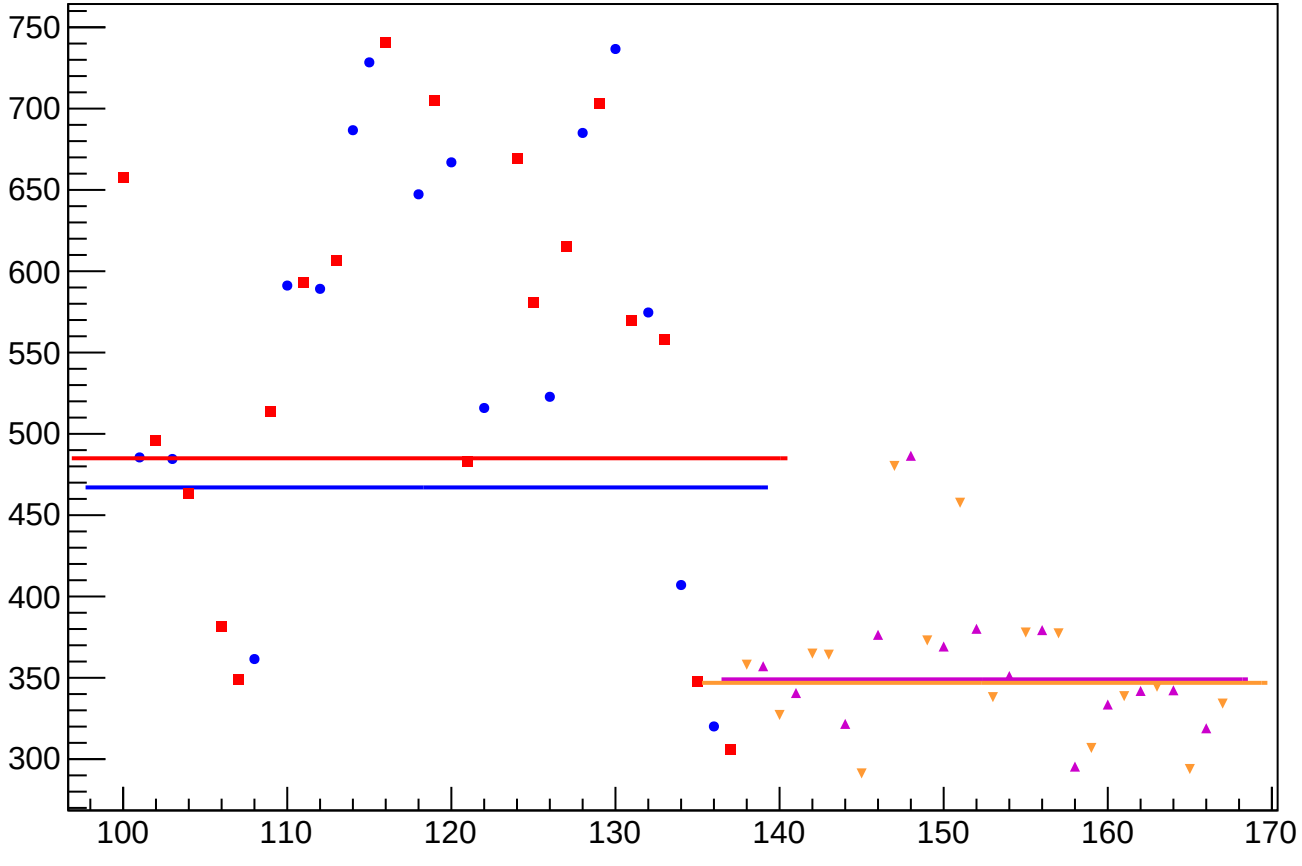
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -150.686+/-89.910 χ^2/NDF:40.8/29

Out: -103.370+/-86.841 χ^2/NDF:39.8/34

All: -126.207+/-62.463 χ^2/NDF: 80.8/64

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 346.906+/-0.070 χ^2/NDF:398308.3/15

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 349.049+/-0.073 χ^2/NDF:256483.4/13

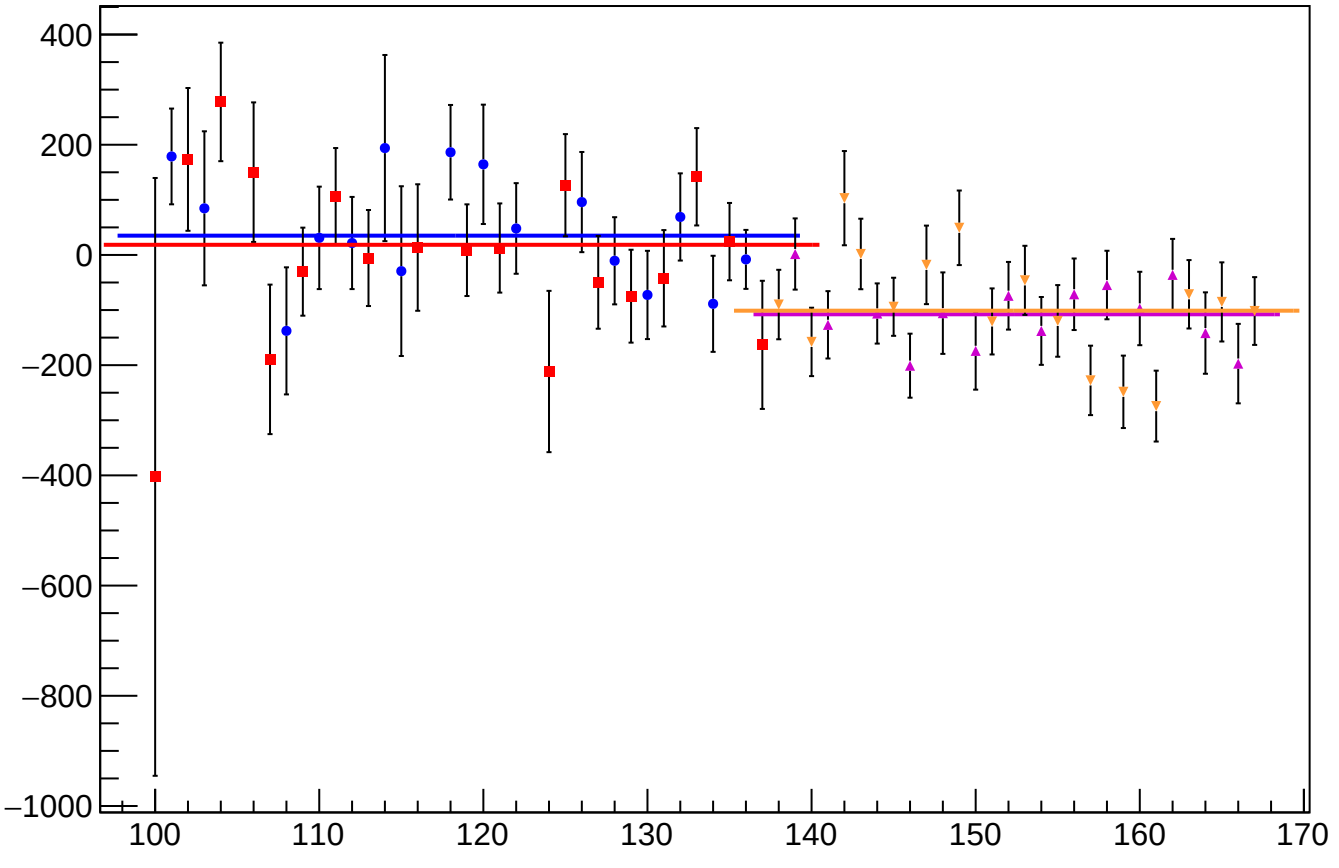
Left: 347.925+/-0.051 χ^2/NDF: 655240.3/29

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 378.300+/-0.064 χ^2/NDF:1929152.1/29

Out: 377.971+/-0.061 χ^2/NDF:2154003.2/34

All: 378.129+/-0.044 χ^2/NDF: 4083169.2/64



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.155+/-16.054 χ^2/NDF:33.0/15

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -107.683+/-17.189 χ^2/NDF:11.0/13

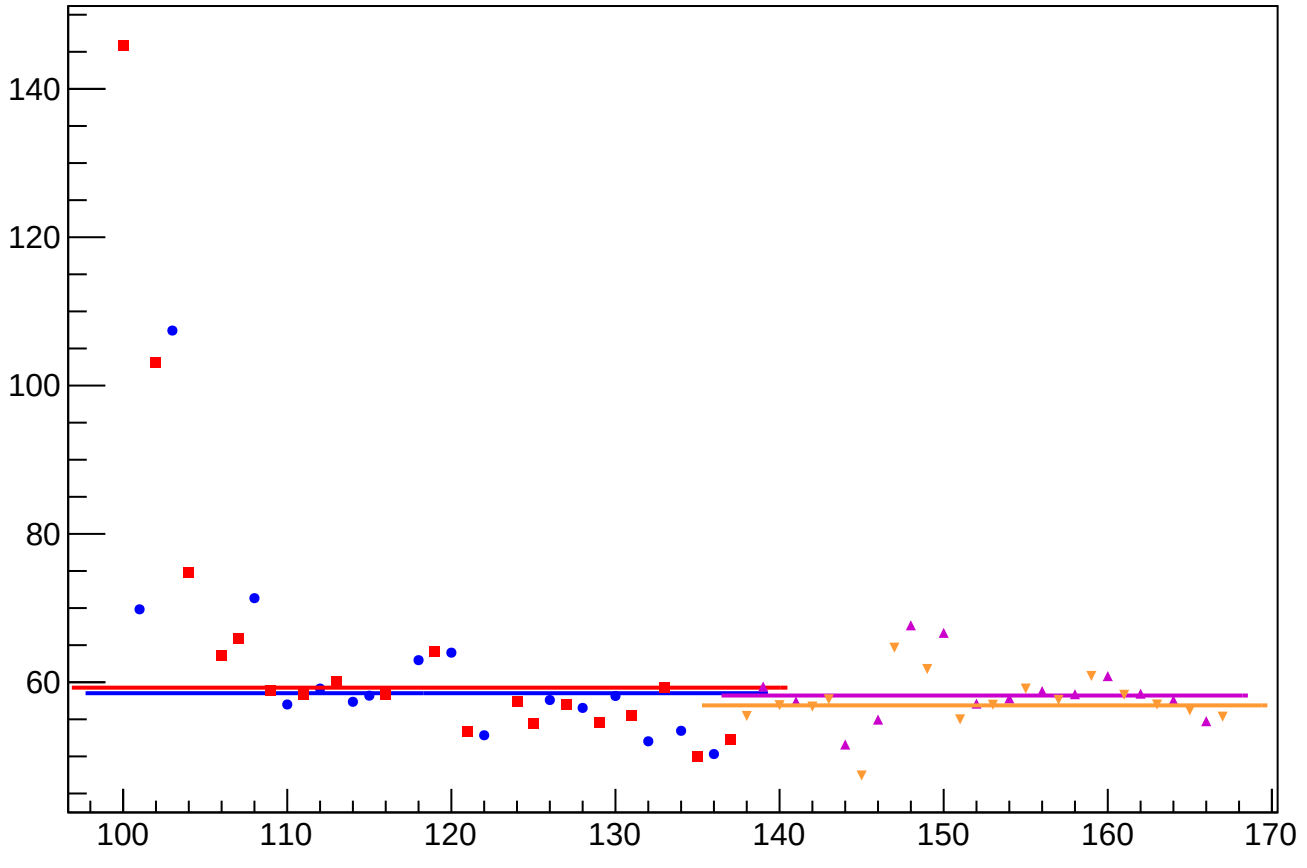
Left: -104.196+/-11.733 χ^2/NDF: 44.1/29

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -53.998+/-13.576 χ^2/NDF:53.1/29

Out: -59.952+/-12.997 χ^2/NDF:75.5/34

All: -57.105+/-9.388 χ^2/NDF: 128.7/64



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.880+/-0.011 χ^2/NDF:114433.2/15

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.209+/-0.012 χ^2/NDF:106936.9/13

Left: 57.499+/-0.008 χ^2/NDF: 227757.4/29

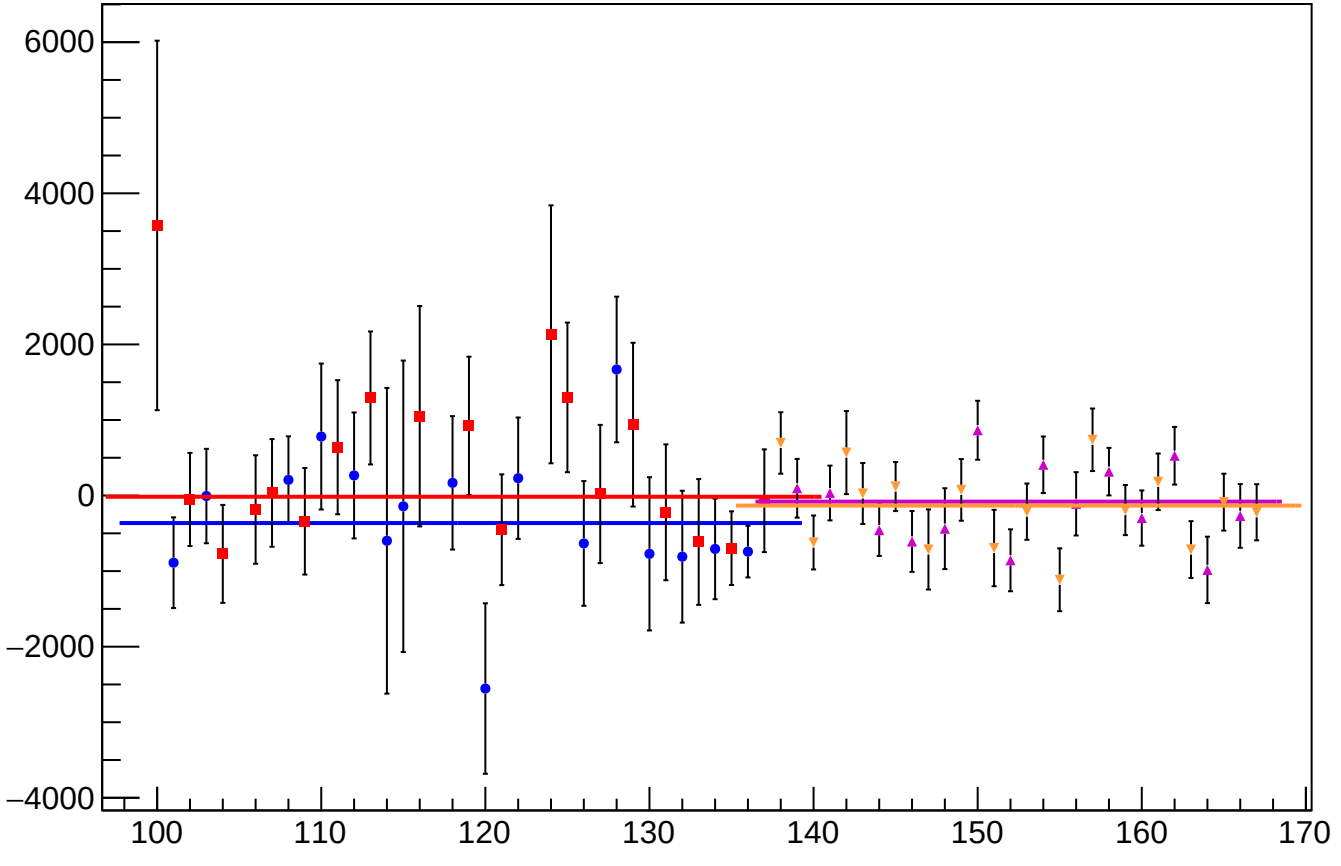
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.327+/-0.010 χ^2/NDF:499930.2/29

Out: 57.703+/-0.009 χ^2/NDF:535317.4/34

All: 58.001+/-0.007 χ^2/NDF: 1037447.9/64

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -133.211+/-98.644 χ^2/NDF:24.4/15

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -80.371+/-103.671 χ^2/NDF:23.7/13

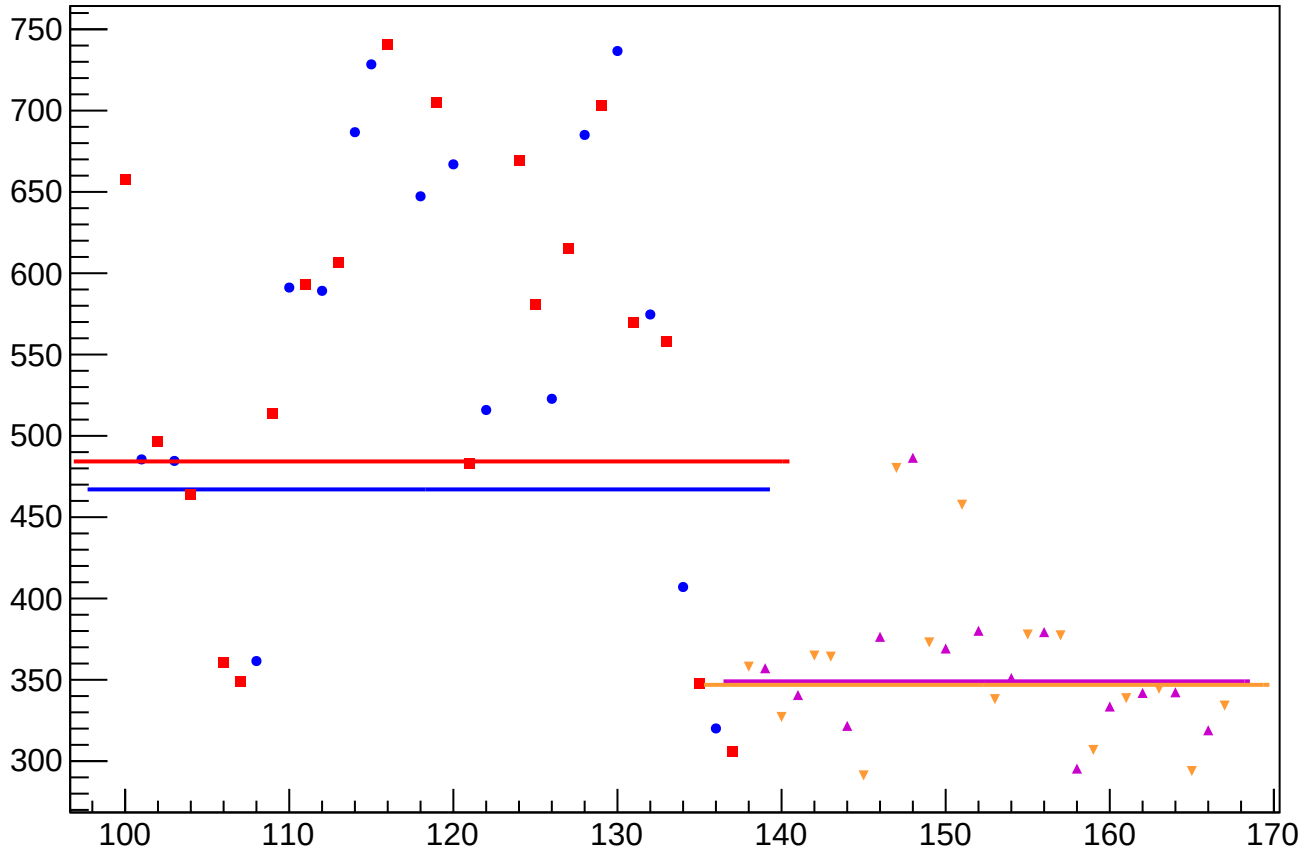
Left: -108.103+/-71.463 χ^2/NDF: 48.2/29

Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -150.676+/-89.911 χ^2/NDF:40.8/29

Out: -106.986+/-86.901 χ^2/NDF:39.8/34

All: -128.088+/-62.485 χ^2/NDF: 80.8/64



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 346.907+/-0.070 χ^2/NDF:398307.9/15

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 349.050+/-0.073 χ^2/NDF:256483.7/13

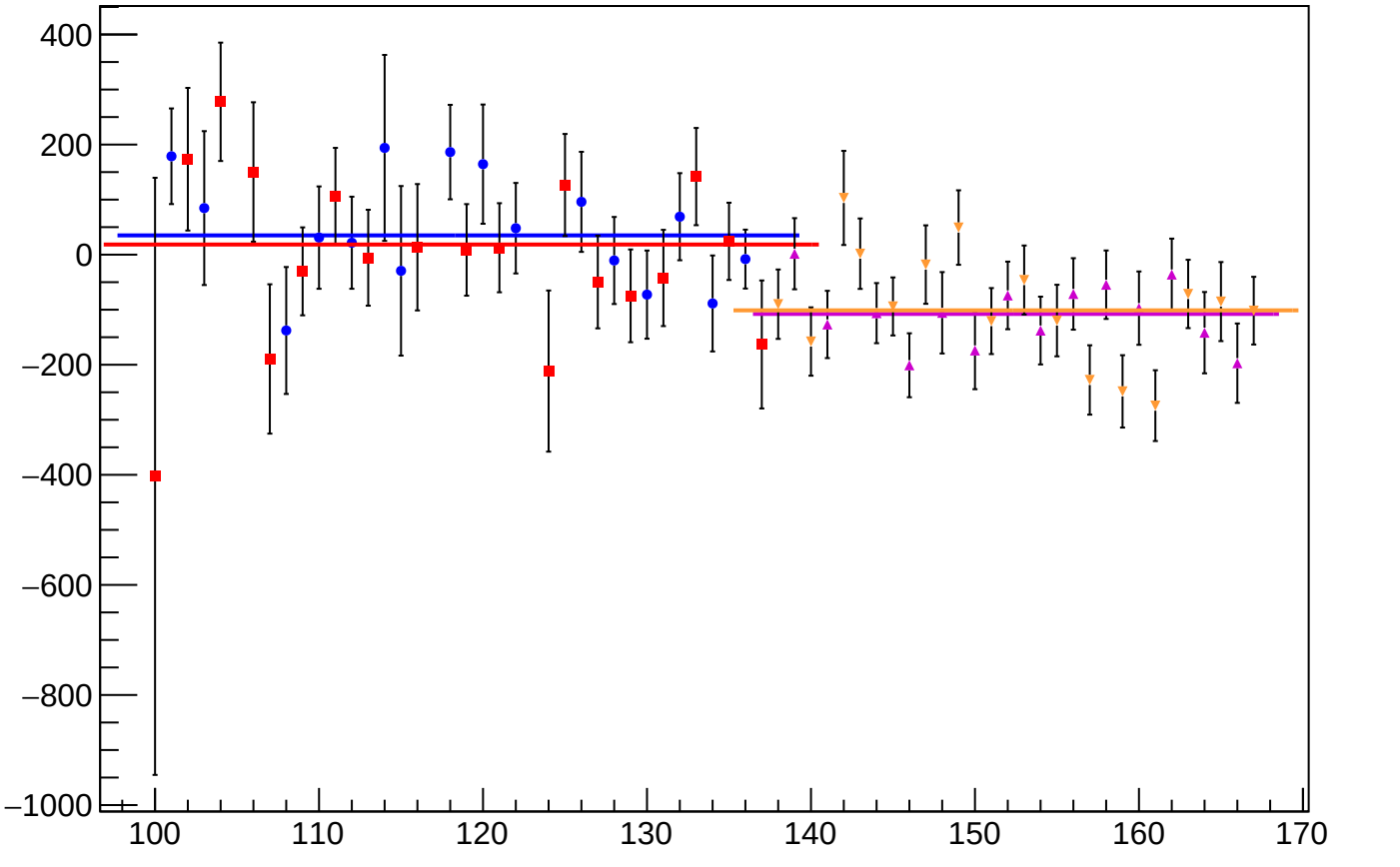
Left: 347.925+/-0.051 χ^2/NDF: 655240.2/29

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 378.300+/-0.064 χ^2/NDF:1929175.6/29

Out: 377.664+/-0.061 χ^2/NDF:2155517.0/34

All: 377.971+/-0.044 χ^2/NDF: 4084744.4/64



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.155+/-16.054 χ^2/NDF:33.0/15

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -107.683+/-17.189 χ^2/NDF:11.0/13

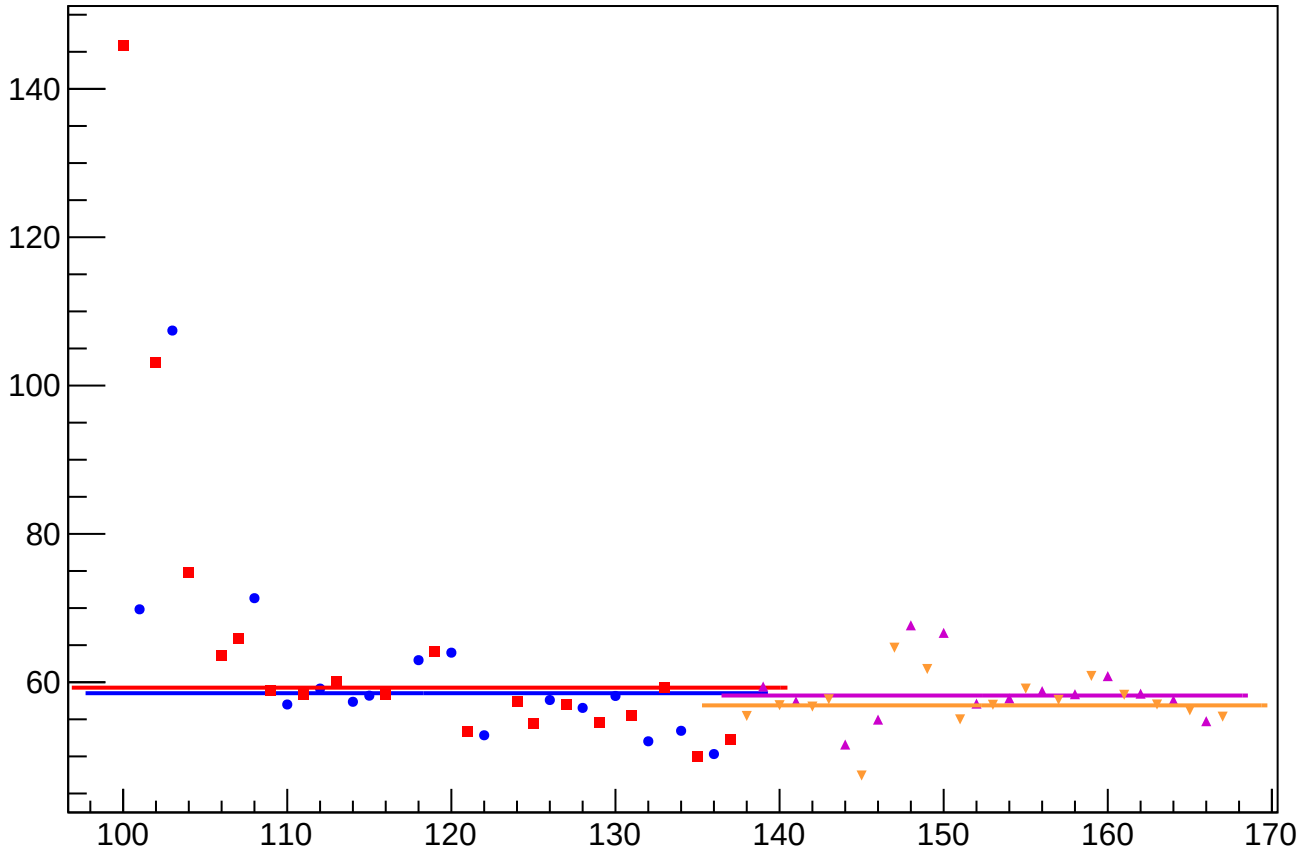
Left: -104.196+/-11.733 χ^2/NDF: 44.1/29

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -53.998+/-13.576 χ^2/NDF:53.1/29

Out: -59.952+/-12.997 χ^2/NDF:75.5/34

All: -57.105+/-9.388 χ^2/NDF: 128.7/64



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.880+/-0.011 χ^2/NDF:114433.2/15

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.209+/-0.012 χ^2/NDF:106936.9/13

Left: 57.499+/-0.008 χ^2/NDF: 227757.4/29

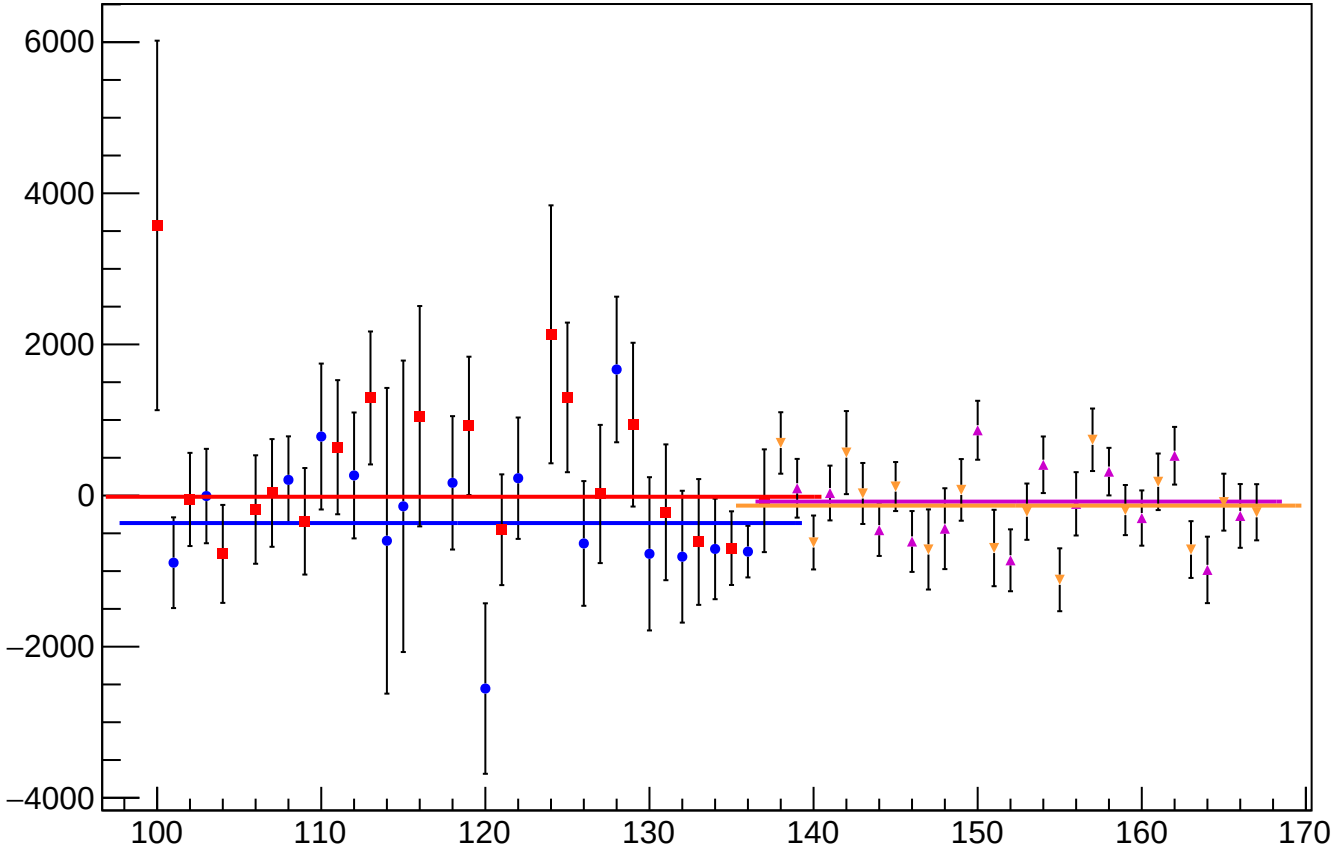
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.327+/-0.010 χ^2/NDF:499930.2/29

Out: 57.703+/-0.009 χ^2/NDF:535317.4/34

All: 58.001+/-0.007 χ^2/NDF: 1037447.9/64

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -133.211+/-98.644 χ^2/NDF:24.4/15

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -80.371+/-103.671 χ^2/NDF:23.7/13

Left: -108.103+/-71.463 χ^2/NDF: 48.2/29

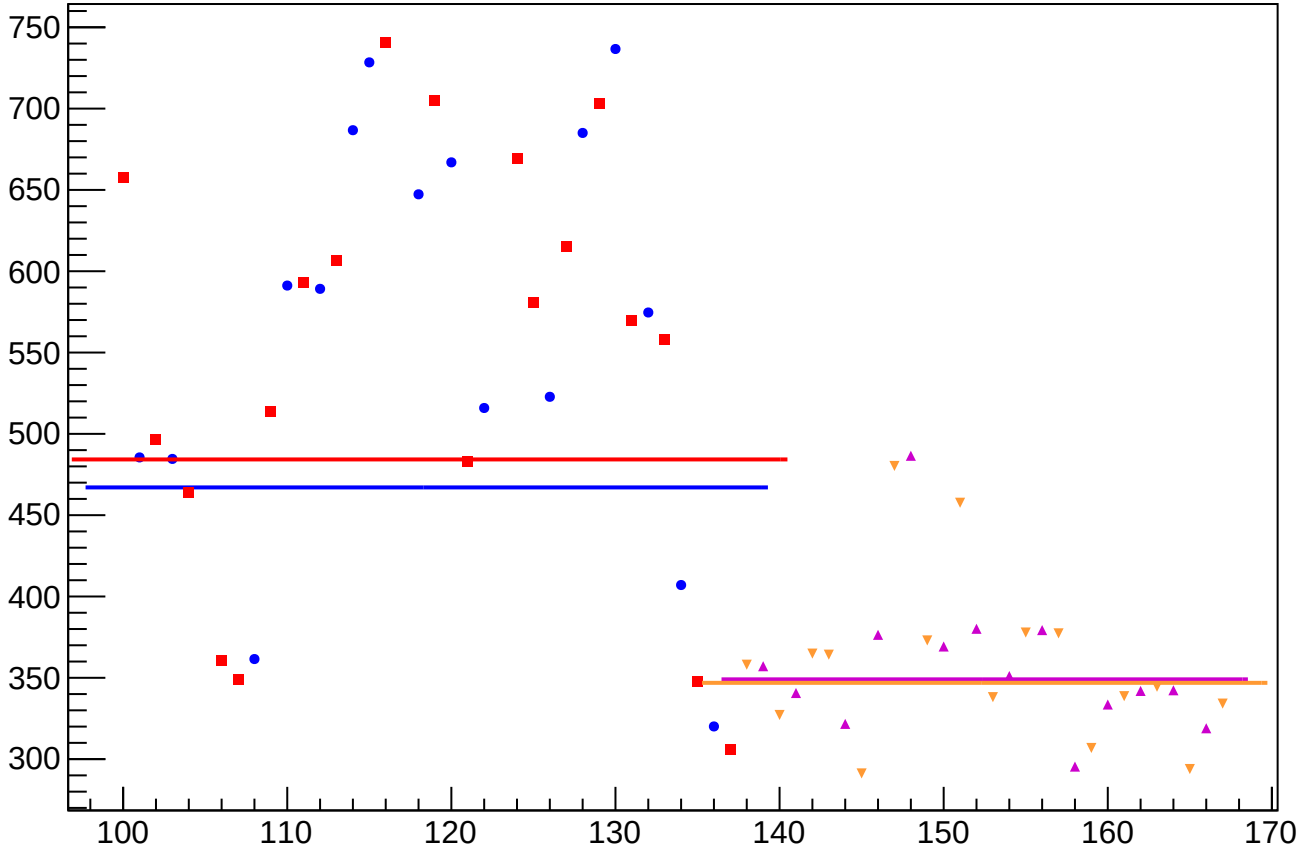
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -150.676+/-89.911 χ^2/NDF:40.8/29

Out: -106.986+/-86.901 χ^2/NDF:39.8/34

All: -128.088+/-62.485 χ^2/NDF: 80.8/64

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 346.907+/-0.070 χ^2/NDF:398307.9/15

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 349.050+/-0.073 χ^2/NDF:256483.7/13

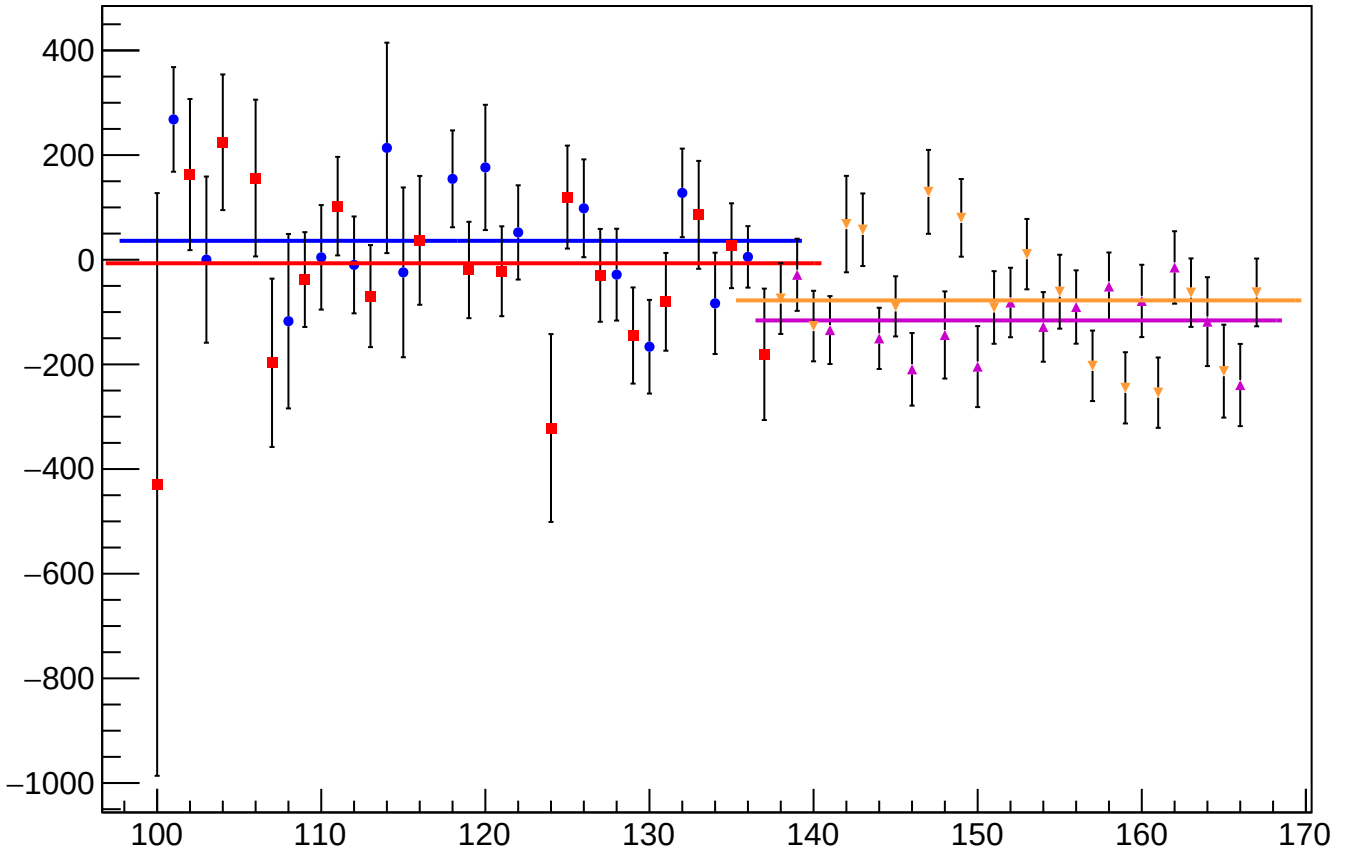
Left: 347.925+/-0.051 χ^2/NDF: 655240.2/29

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 378.300+/-0.064 χ^2/NDF:1929175.6/29

Out: 377.664+/-0.061 χ^2/NDF:2155517.0/34

All: 377.971+/-0.044 χ^2/NDF: 4084744.4/64



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -77.666+/-17.435 χ^2/NDF:38.7/15

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -115.956+/-18.660 χ^2/NDF:11.6/13

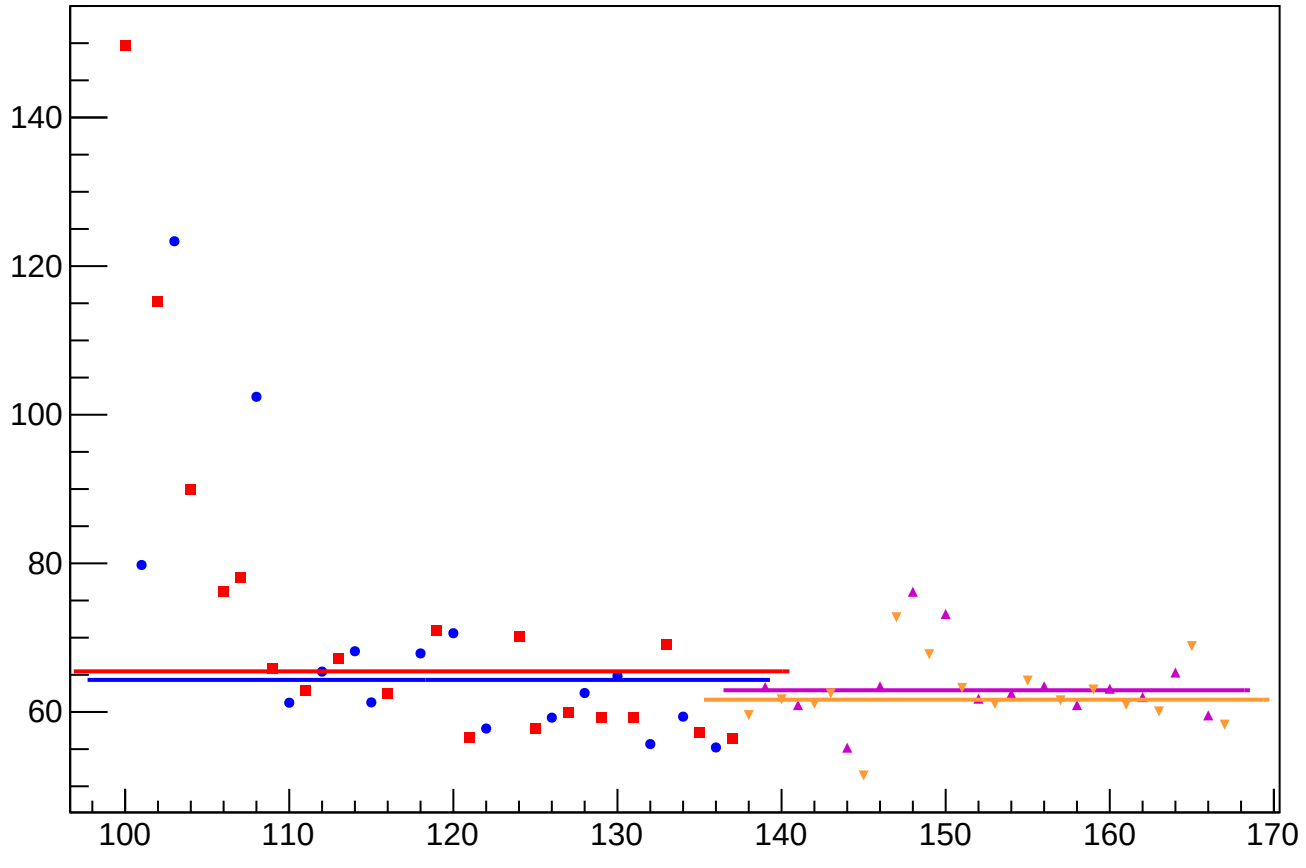
Left: -95.512+/-12.740 χ^2/NDF: 52.5/29

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -60.027+/-14.839 χ^2/NDF:55.7/29

Out: -53.905+/-14.218 χ^2/NDF:64.6/34

All: -56.835+/-10.266 χ^2/NDF: 120.3/64



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.652+/-0.012 χ^2/NDF:141754.7/15

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.924+/-0.013 χ^2/NDF:131190.9/13

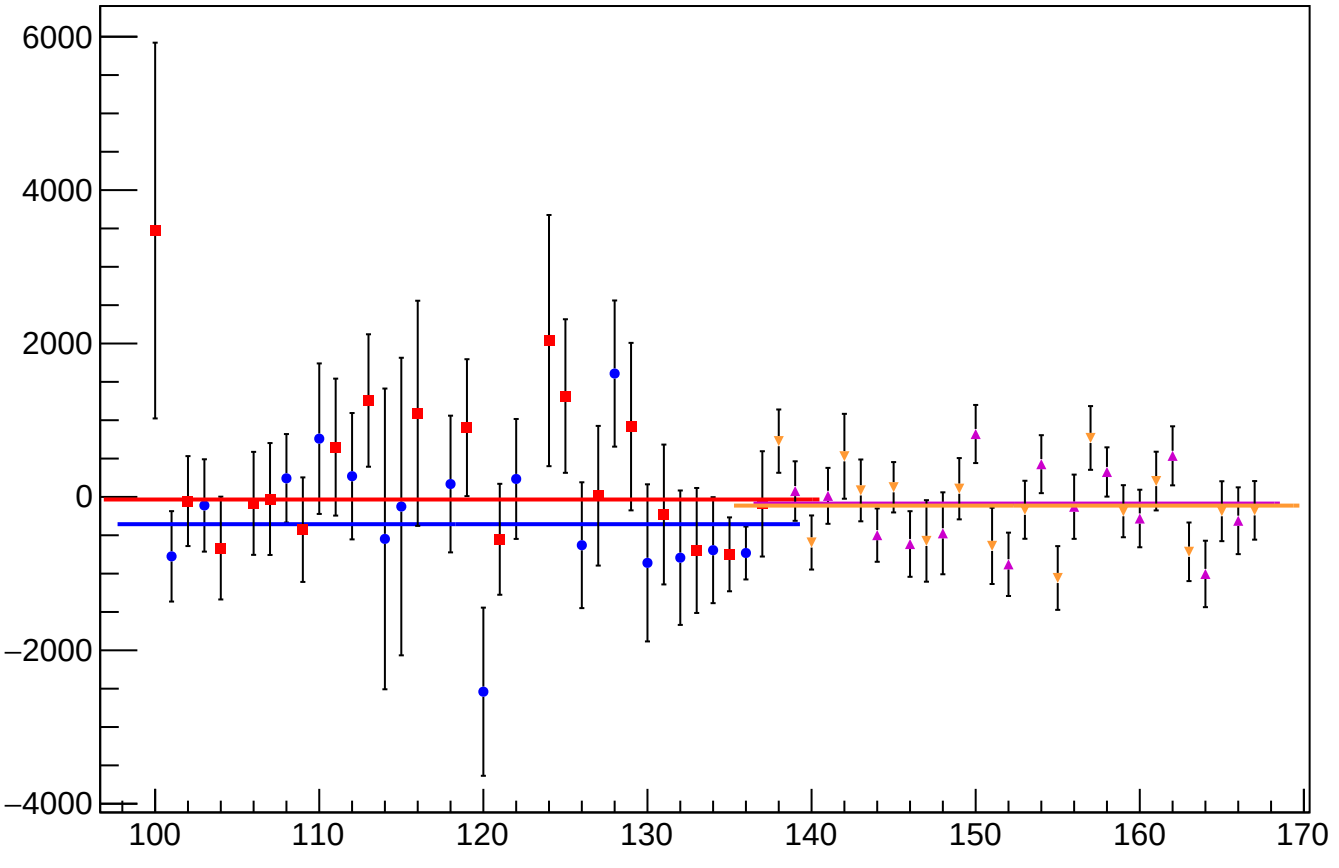
Left: 62.245+/-0.009 χ^2/NDF: 277906.0/29

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.436+/-0.010 χ^2/NDF:667348.7/29

Out: 62.930+/-0.010 χ^2/NDF:656173.0/34

All: 63.172+/-0.007 χ^2/NDF: 1324734.9/64



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -113.149+/-99.597 χ^2/NDF:23.3/15

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -86.983+/-104.781 χ^2/NDF:24.2/13

Left: -100.730+/-72.189 χ^2/NDF: 47.6/29

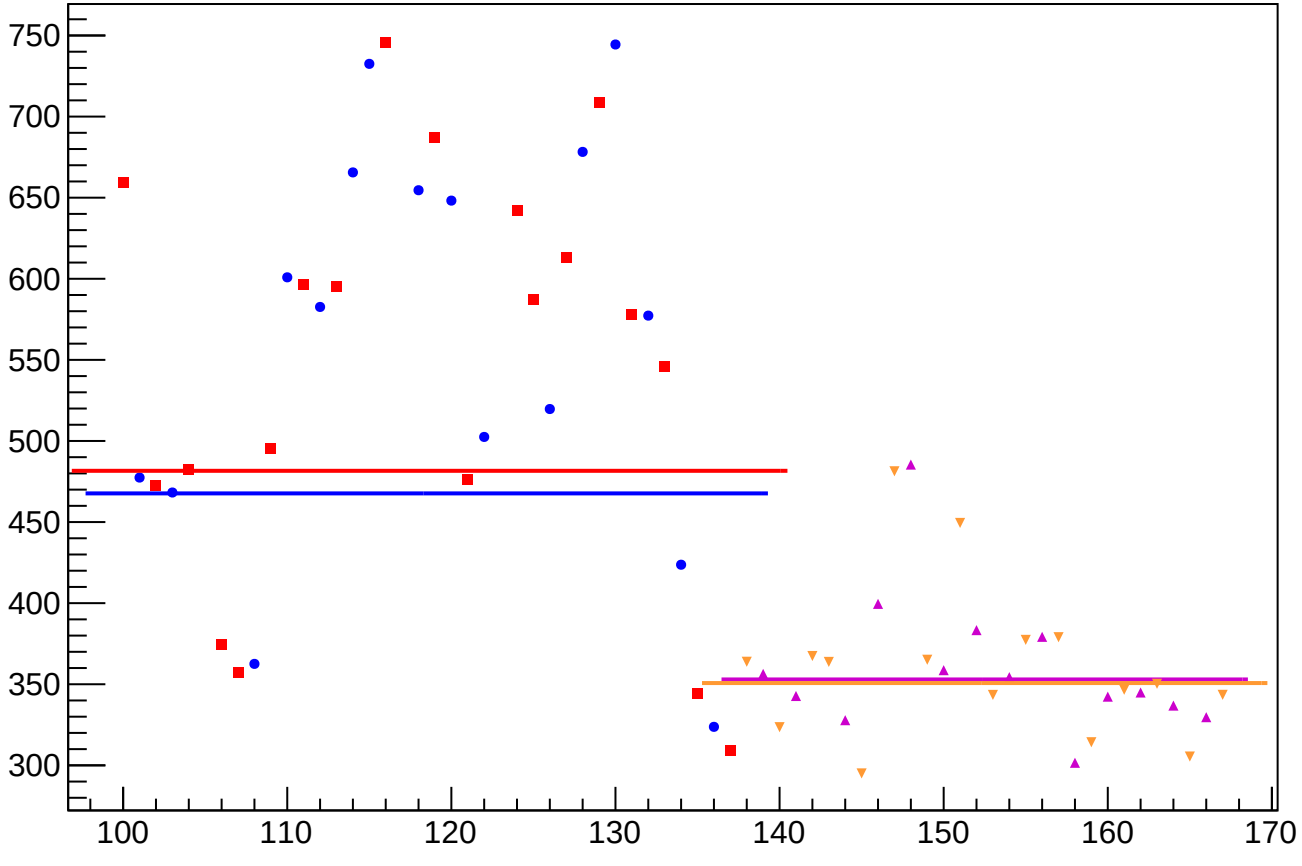
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -154.762+/-90.598 χ^2/NDF:40.7/29

Out: -94.792+/-87.321 χ^2/NDF:38.8/34

All: -123.673+/-62.872 χ^2/NDF: 79.8/64

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 350.737+/-0.070 χ^2/NDF:346855.0/15

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 352.959+/-0.074 χ^2/NDF:240218.6/13

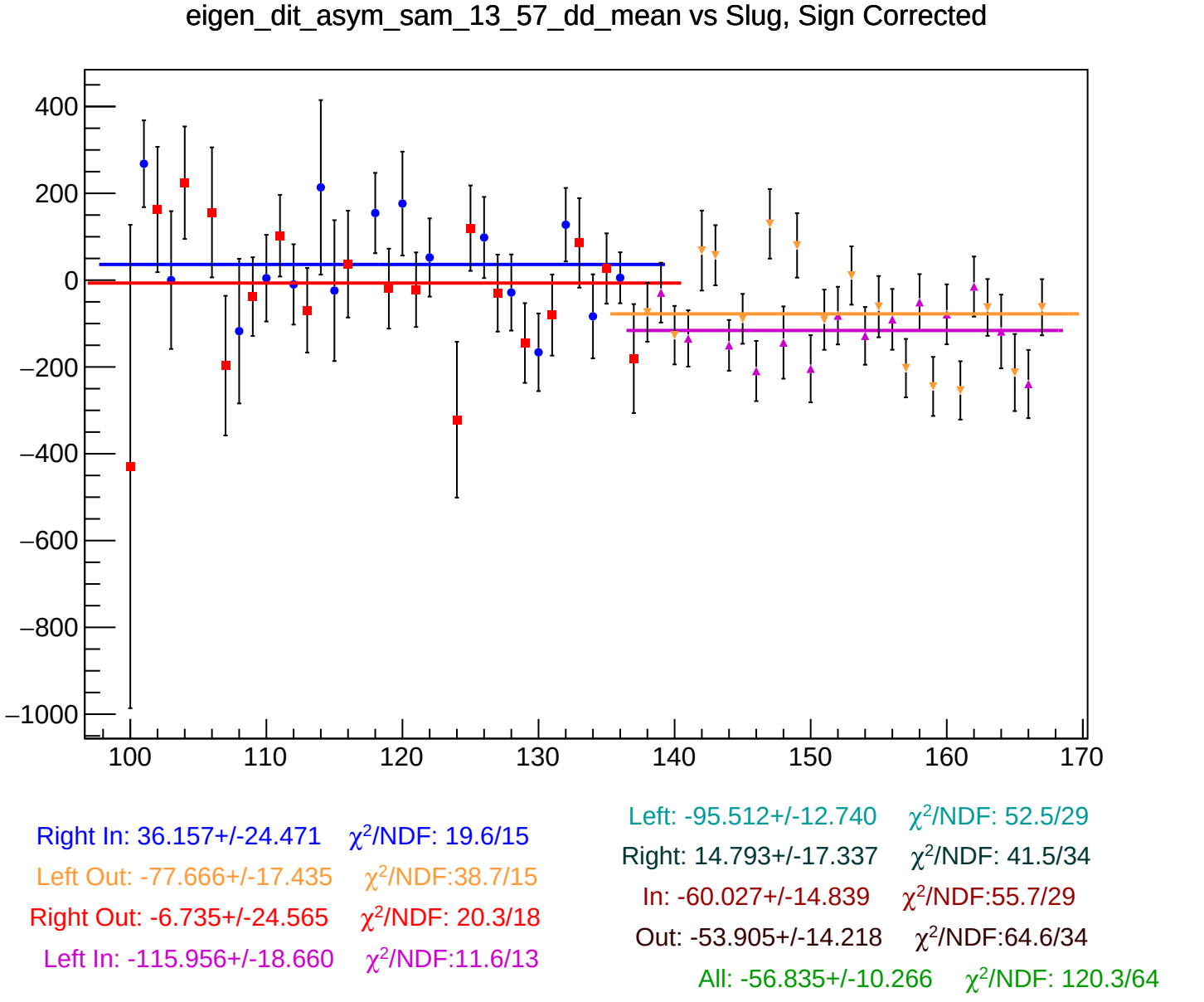
Left: 351.791+/-0.051 χ^2/NDF: 587546.0/29

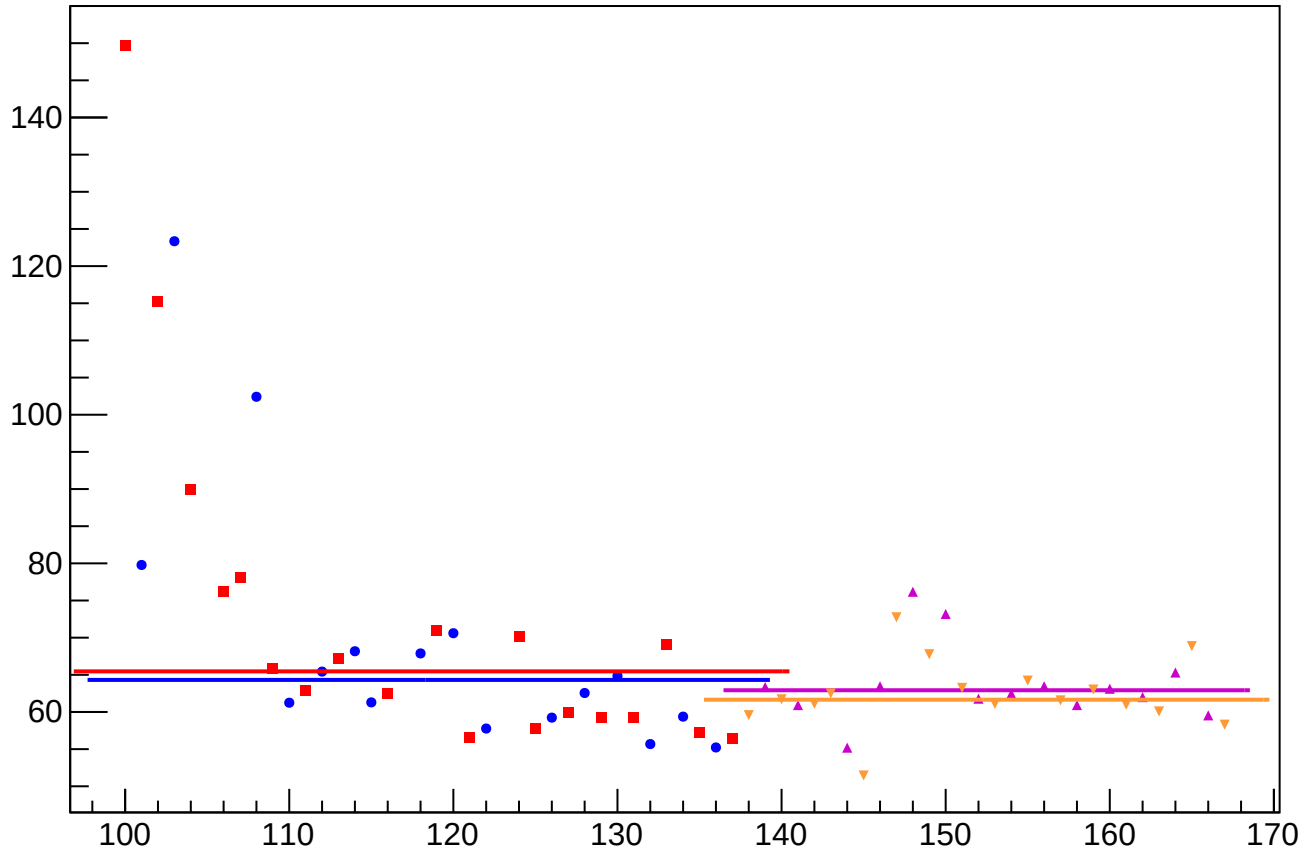
Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 381.912+/-0.064 χ^2/NDF:1831213.7/29

Out: 381.007+/-0.062 χ^2/NDF:1999808.6/34

All: 381.443+/-0.044 χ^2/NDF: 3831125.9/64


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -77.666+/-17.435 χ²/NDF:38.7/15
Right Out: -6.735+/-24.565 χ²/NDF: 20.3/18
Left In: -115.956+/-18.660 χ²/NDF:11.6/13
Left: -95.512+/-12.740 χ²/NDF: 52.5/29
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -60.027+/-14.839 χ²/NDF:55.7/29
Out: -53.905+/-14.218 χ²/NDF:64.6/34
All: -56.835+/-10.266 χ²/NDF: 120.3/64



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.652+/-0.012 χ^2/NDF:141759.1/15

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.924+/-0.013 χ^2/NDF:131194.4/13

Left: 62.245+/-0.009 χ^2/NDF: 277913.7/29

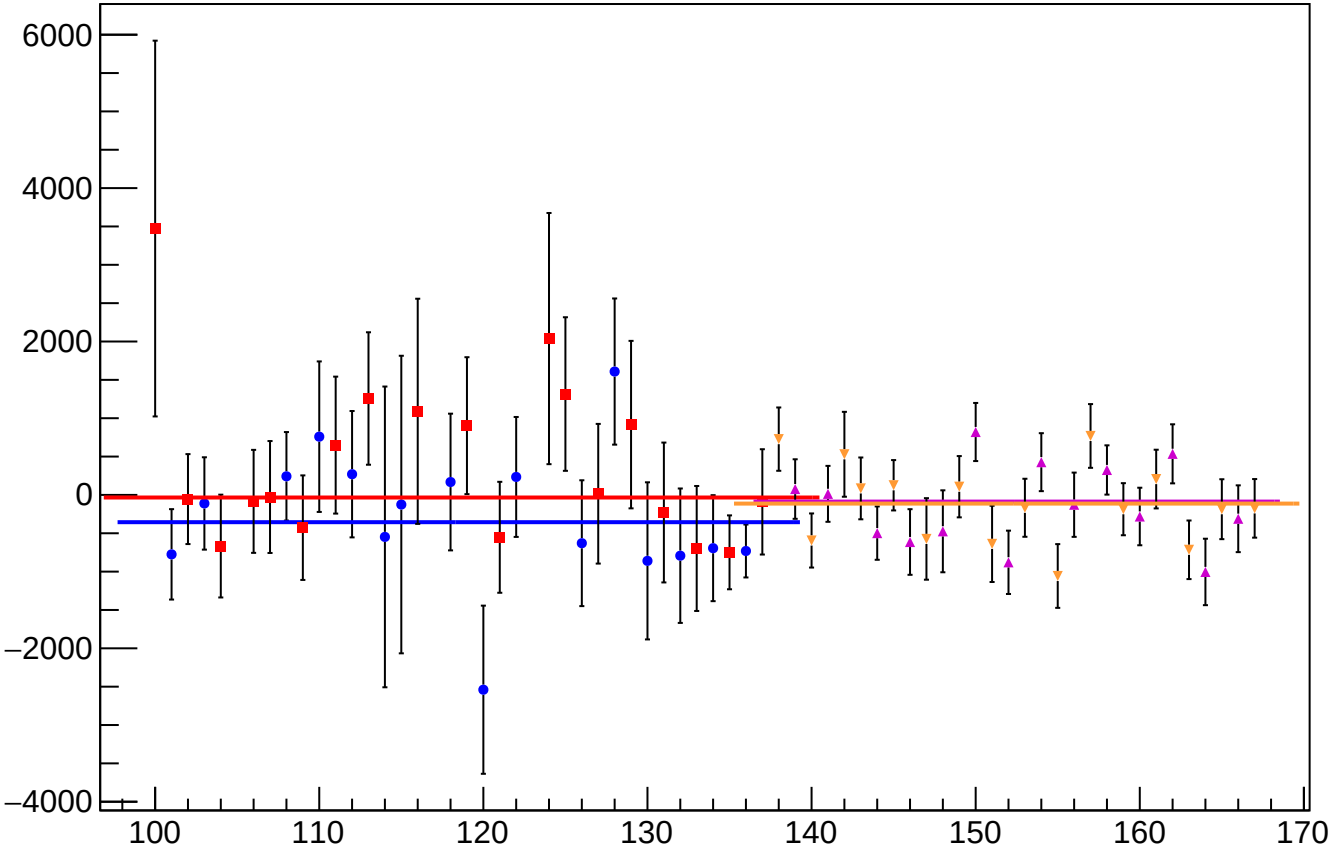
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.436+/-0.010 χ^2/NDF:667359.7/29

Out: 62.930+/-0.010 χ^2/NDF:656181.1/34

All: 63.172+/-0.007 χ^2/NDF: 1324753.9/64

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -113.149+/-99.597 χ^2/NDF:23.3/15

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -86.983+/-104.781 χ^2/NDF:24.2/13

Left: -100.729+/-72.189 χ^2/NDF: 47.6/29

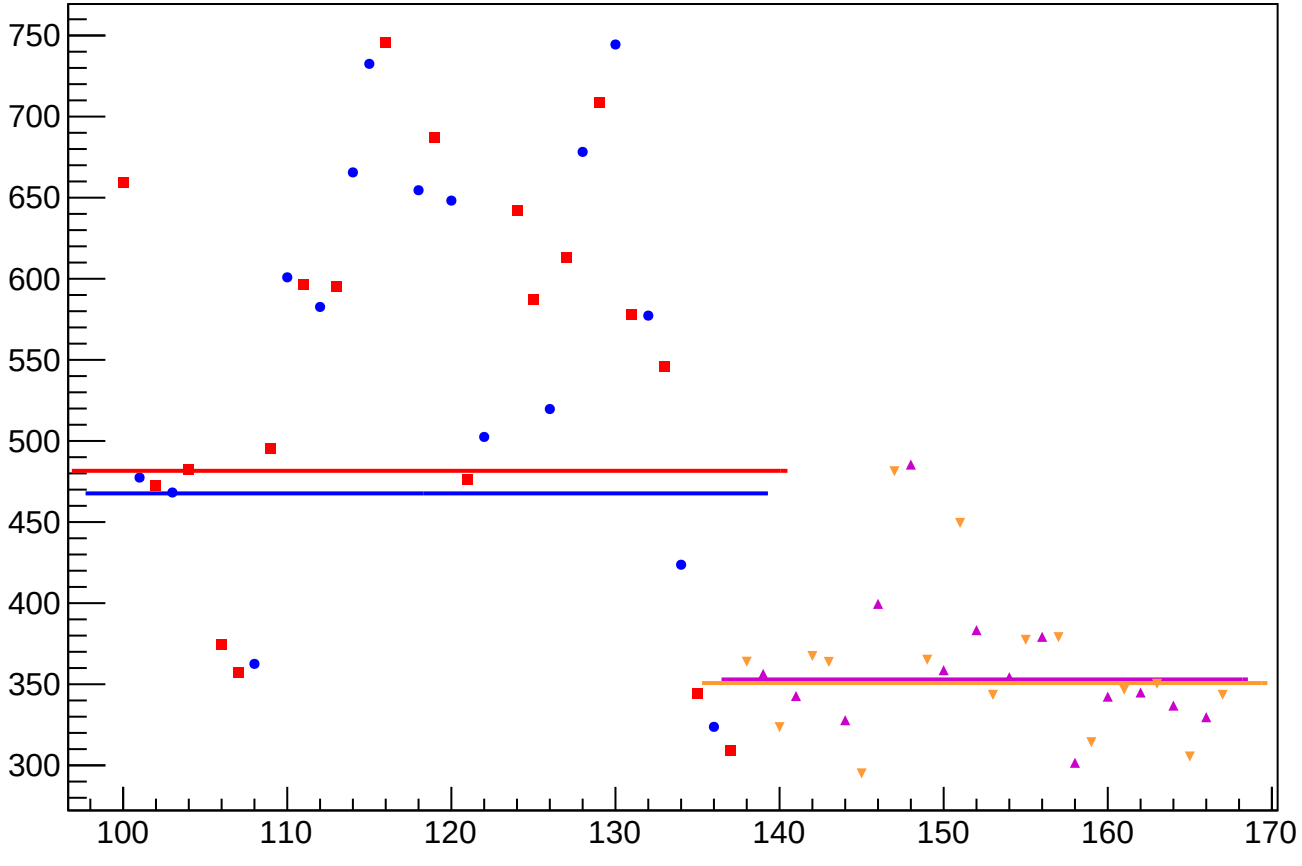
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -154.762+/-90.598 χ^2/NDF:40.7/29

Out: -94.792+/-87.321 χ^2/NDF:38.8/34

All: -123.673+/-62.872 χ^2/NDF: 79.8/64

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 350.737+/-0.070 χ^2/NDF:346854.7/15

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 352.959+/-0.074 χ^2/NDF:240220.1/13

Left: 351.791+/-0.051 χ^2/NDF: 587547.2/29

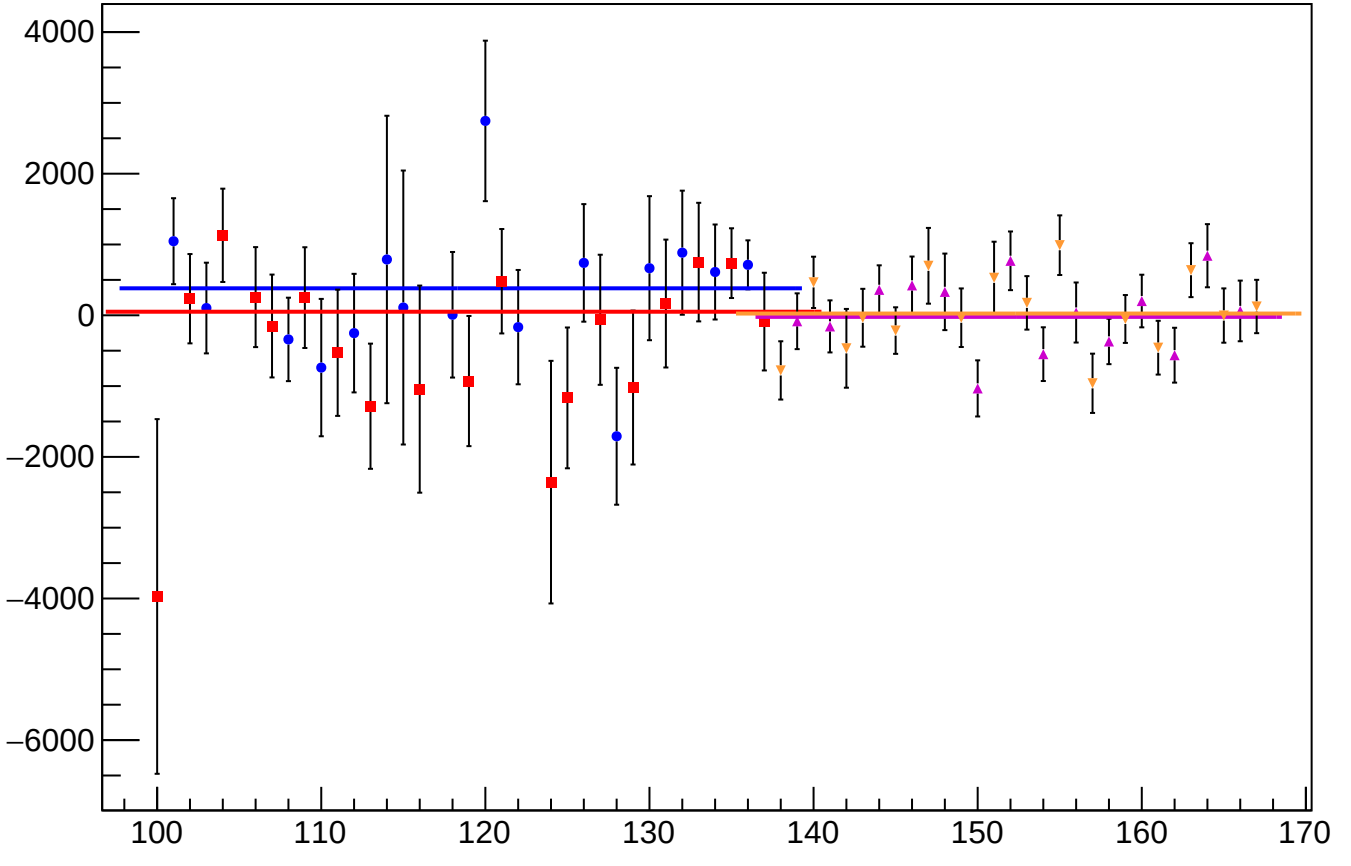
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 381.912+/-0.064 χ^2/NDF:1831211.3/29

Out: 381.007+/-0.062 χ^2/NDF:1999799.6/34

All: 381.443+/-0.044 χ^2/NDF: 3831114.5/64

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 24.607+/-100.022 χ^2/NDF:24.5/15

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -22.286+/-105.155 χ^2/NDF:22.4/13

Left: 2.333+/-72.473 χ^2/NDF: 47.0/29

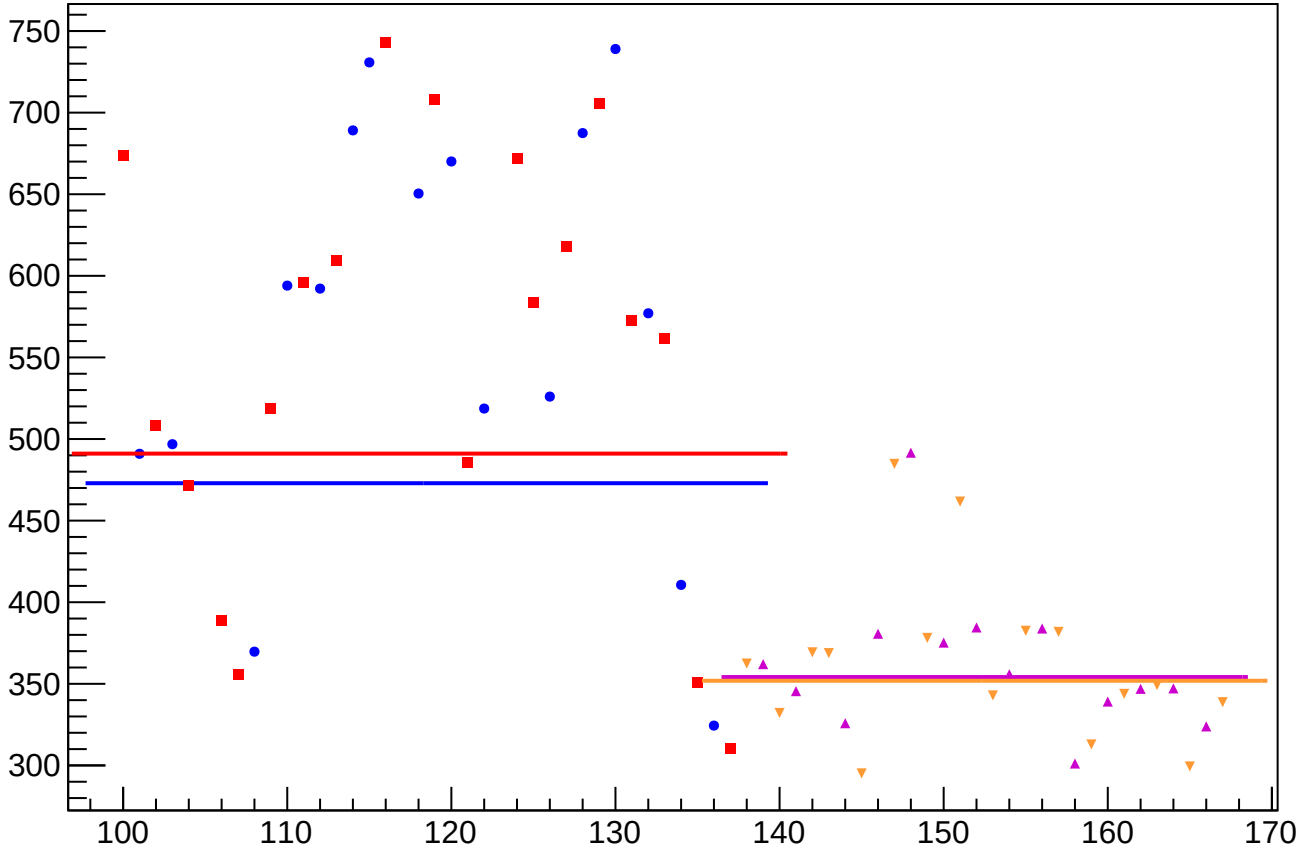
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 78.125+/-91.132 χ^2/NDF:42.2/29

Out: 30.426+/-88.014 χ^2/NDF:42.0/34

All: 53.446+/-63.309 χ^2/NDF: 84.3/64

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 351.877+/-0.071 χ^2/NDF:386044.2/15

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 354.145+/-0.074 χ^2/NDF:248456.3/13

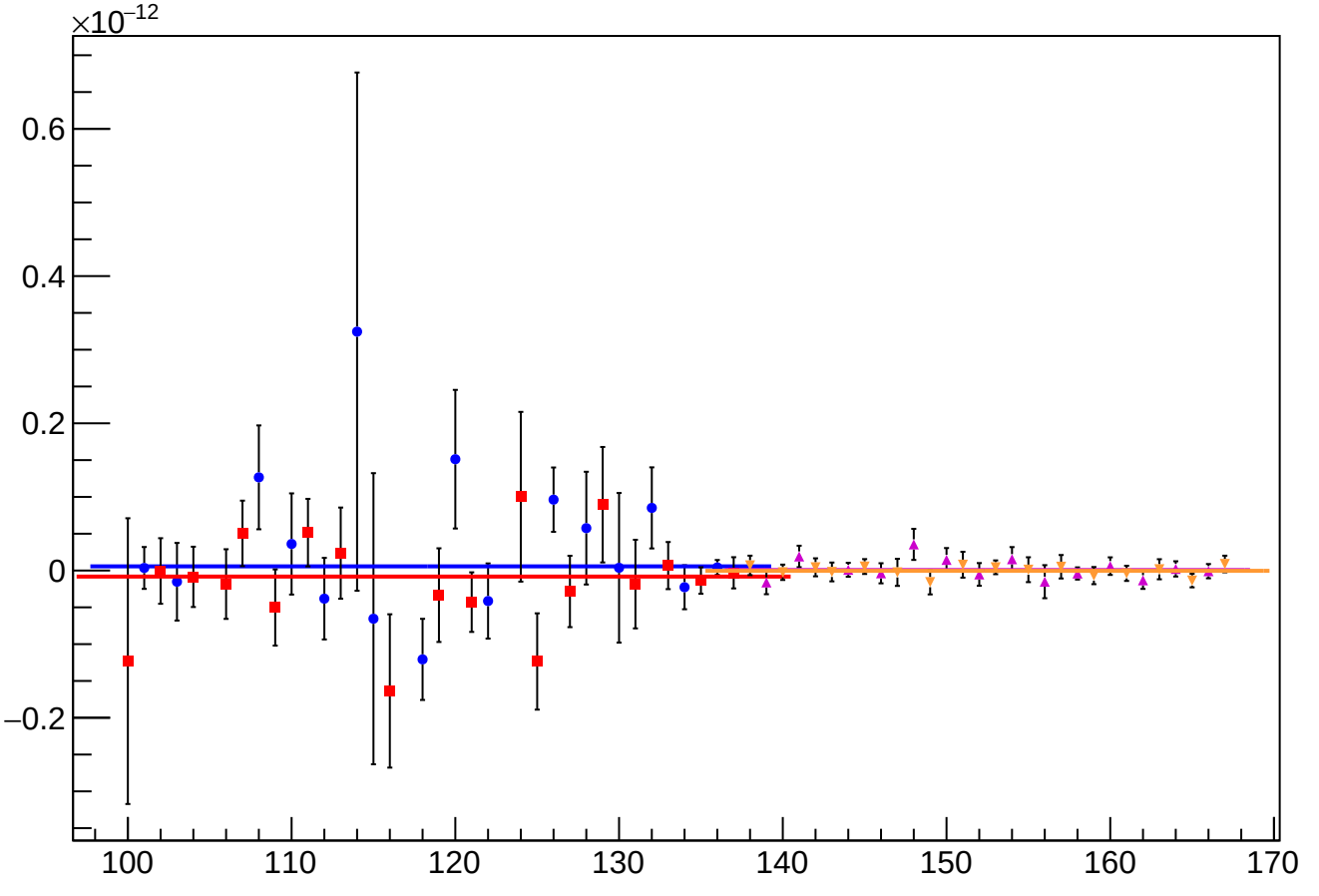
Left: 352.954+/-0.051 χ^2/NDF: 634989.2/29

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 383.713+/-0.064 χ^2/NDF:1883954.5/29

Out: 383.291+/-0.062 χ^2/NDF:2107635.8/34

All: 383.494+/-0.045 χ^2/NDF: 3991612.4/64



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/13

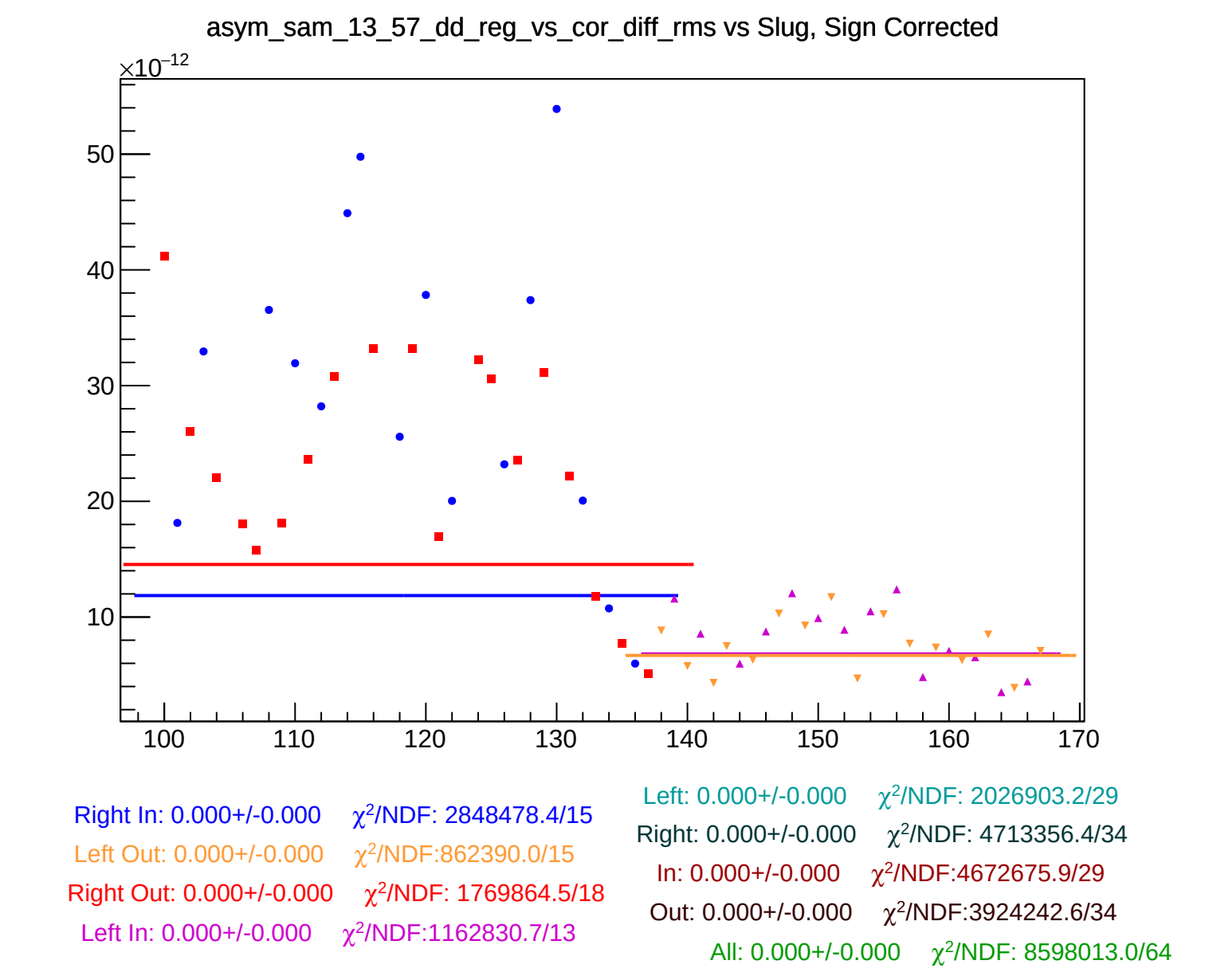
Left: 0.000+/-0.000 χ^2/NDF: 15.2/29

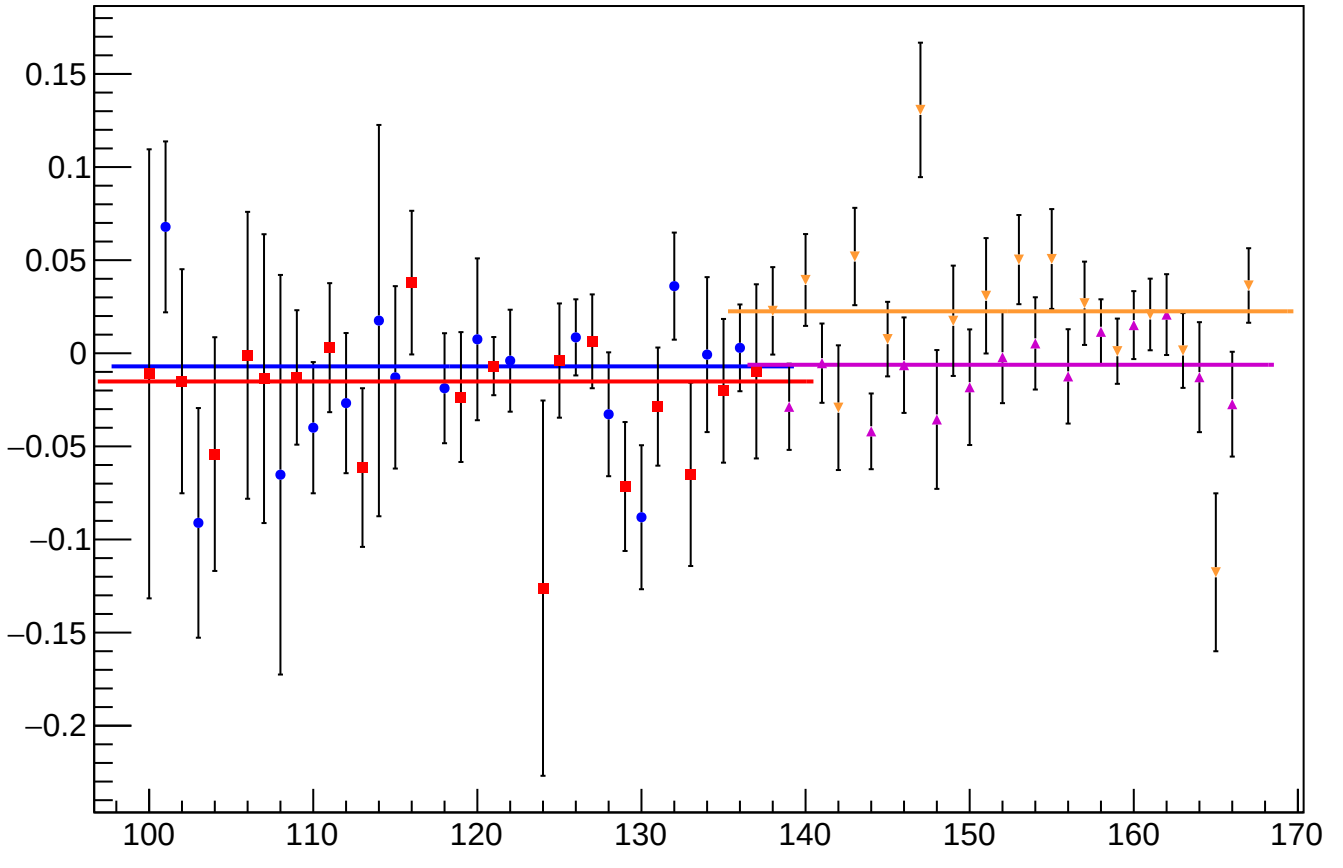
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:31.2/29

Out: -0.000+/-0.000 χ^2/NDF:20.1/34

All: 0.000+/-0.000 χ^2/NDF: 51.6/64


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:862390.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1162830.7/13
Left: 0.000+/-0.000 χ²/NDF: 2026903.2/29
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:4672675.9/29
Out: 0.000+/-0.000 χ²/NDF:3924242.6/34
All: 0.000+/-0.000 χ²/NDF: 8598013.0/64



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.023+/-0.006 χ^2/NDF:30.2/15

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.006+/-0.006 χ^2/NDF:9.7/13

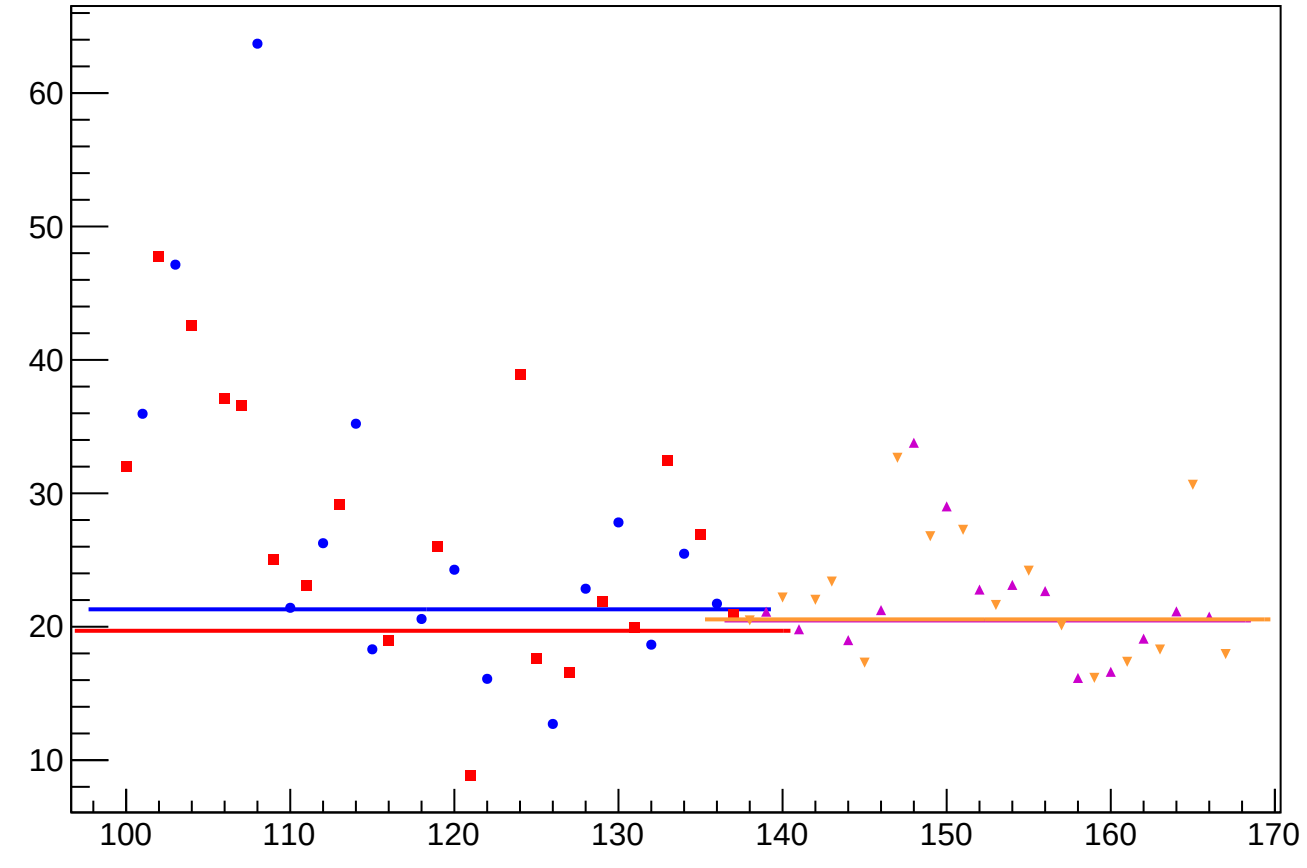
Left: 0.009+/-0.004 χ^2/NDF: 50.9/29

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:24.0/29

Out: 0.009+/-0.005 χ^2/NDF:54.0/34

All: 0.002+/-0.004 χ^2/NDF: 83.2/64



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.551+/-0.004 χ^2/NDF:890225.3/15

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.471+/-0.004 χ^2/NDF:698988.4/13

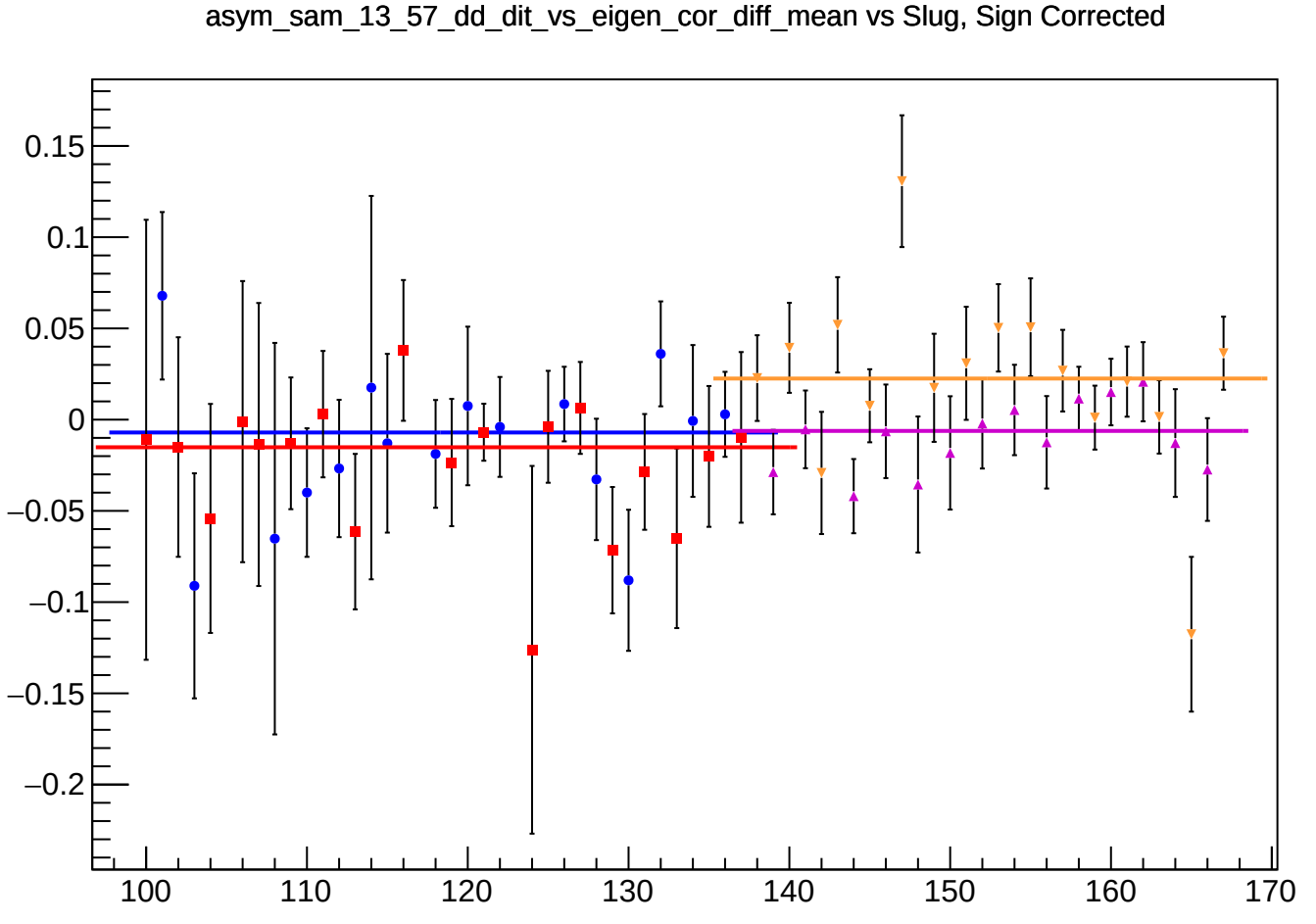
Left: 20.513+/-0.003 χ^2/NDF: 1589386.2/29

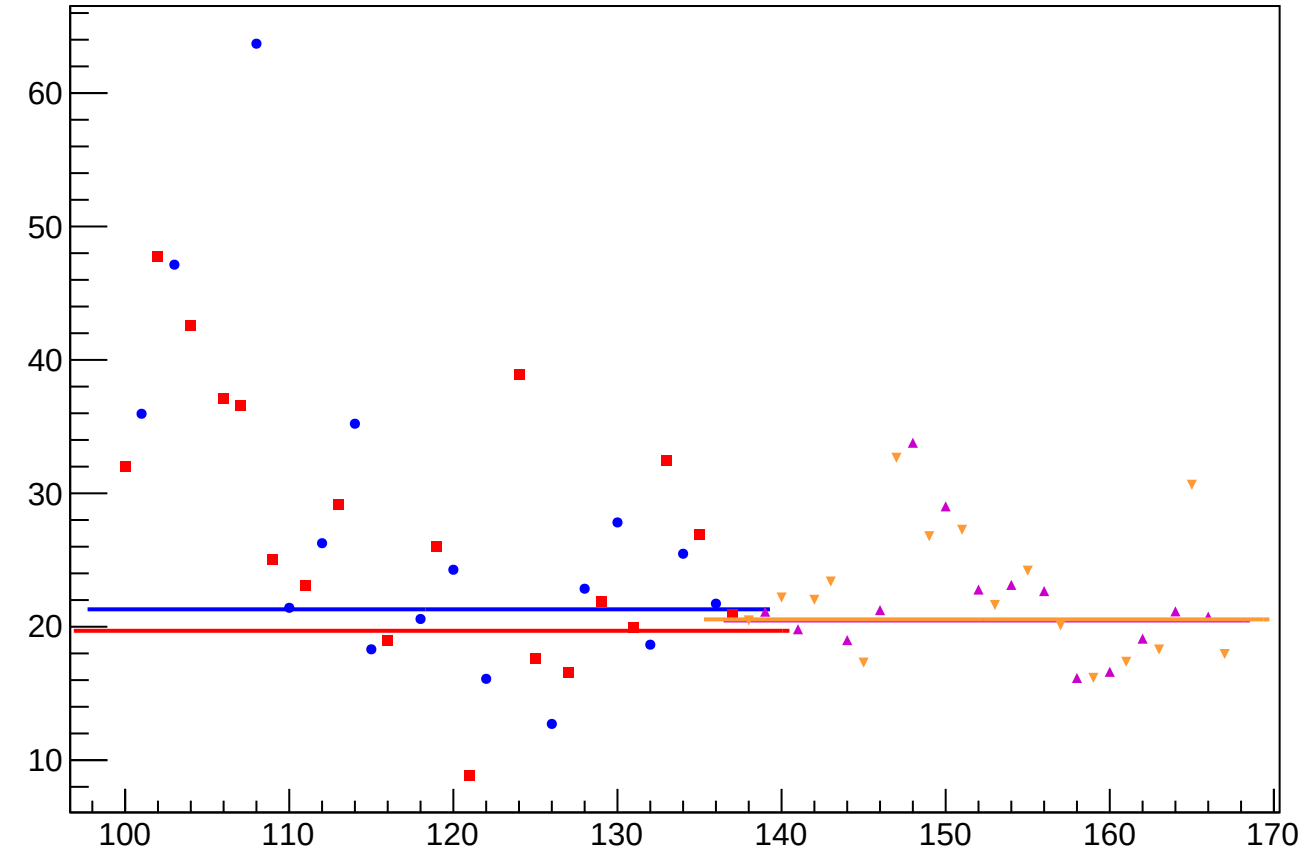
Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.759+/-0.004 χ^2/NDF:2190639.5/29

Out: 20.255+/-0.003 χ^2/NDF:3343308.4/34

All: 20.496+/-0.002 χ^2/NDF: 5544289.8/64


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.023+/-0.006 χ²/NDF:30.2/15
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.006+/-0.006 χ²/NDF:9.7/13
Left: 0.009+/-0.004 χ²/NDF: 50.9/29
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.006+/-0.005 χ²/NDF:24.0/29
Out: 0.009+/-0.005 χ²/NDF:54.0/34
All: 0.002+/-0.004 χ²/NDF: 83.2/64



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.551+/-0.004 χ^2/NDF:890225.3/15

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.471+/-0.004 χ^2/NDF:698988.4/13

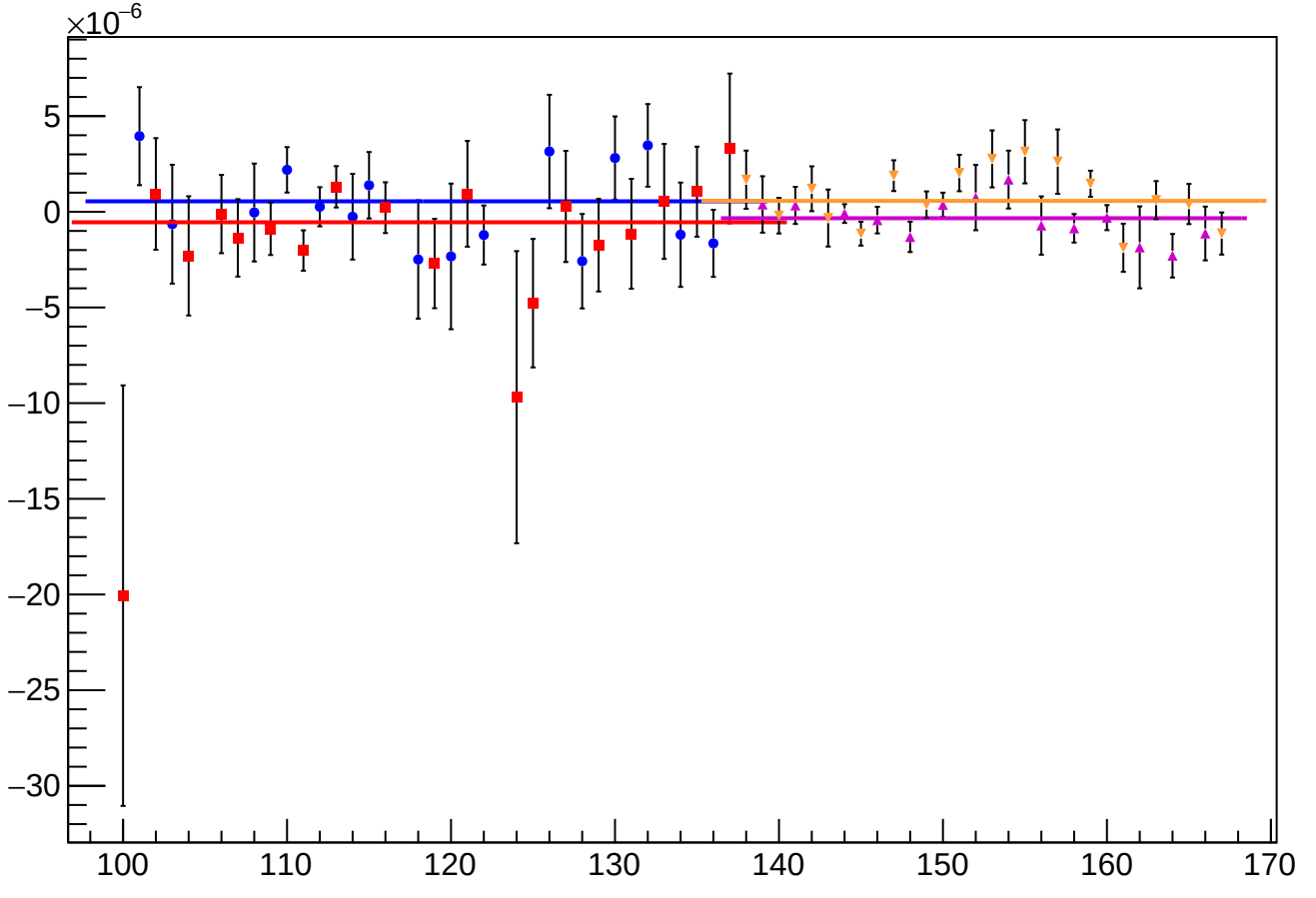
Left: 20.513+/-0.003 χ^2/NDF: 1589386.2/29

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.759+/-0.004 χ^2/NDF:2190639.5/29

Out: 20.255+/-0.003 χ^2/NDF:3343308.4/34

All: 20.496+/-0.002 χ^2/NDF: 5544289.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/13

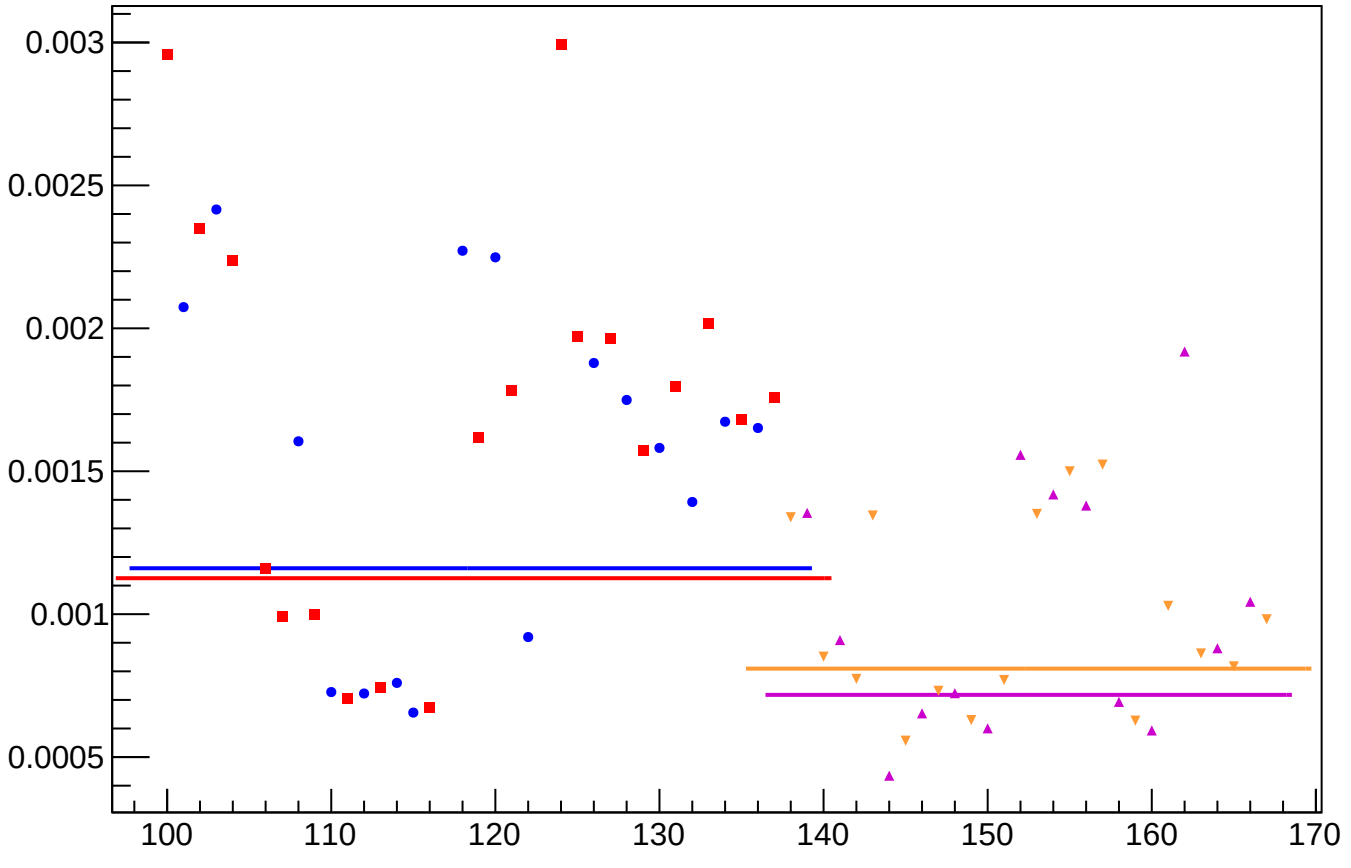
Left: 0.000+/-0.000 χ^2/NDF: 46.1/29

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:27.5/29

Out: 0.000+/-0.000 χ^2/NDF:48.5/34

All: 0.000+/-0.000 χ^2/NDF: 78.7/64



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2224387.5/15

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:3347880.6/13

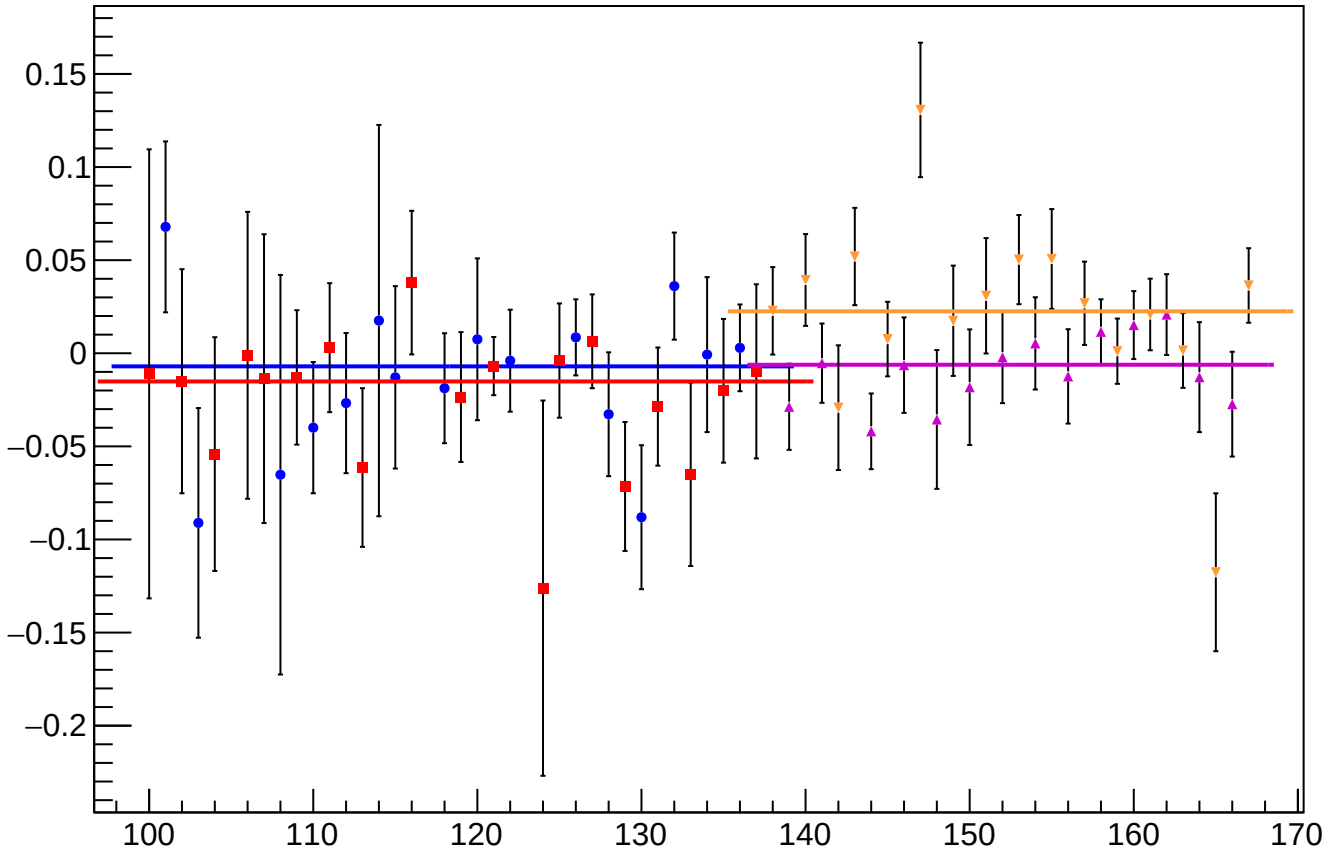
Left: 0.001+/-0.000 χ^2/NDF: 5721298.9/29

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7270741.5/29

Out: 0.001+/-0.000 χ^2/NDF:5590408.3/34

All: 0.001+/-0.000 χ^2/NDF: 12995755.3/64



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.023+/-0.006 χ^2/NDF:30.2/15

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.006+/-0.006 χ^2/NDF:9.7/13

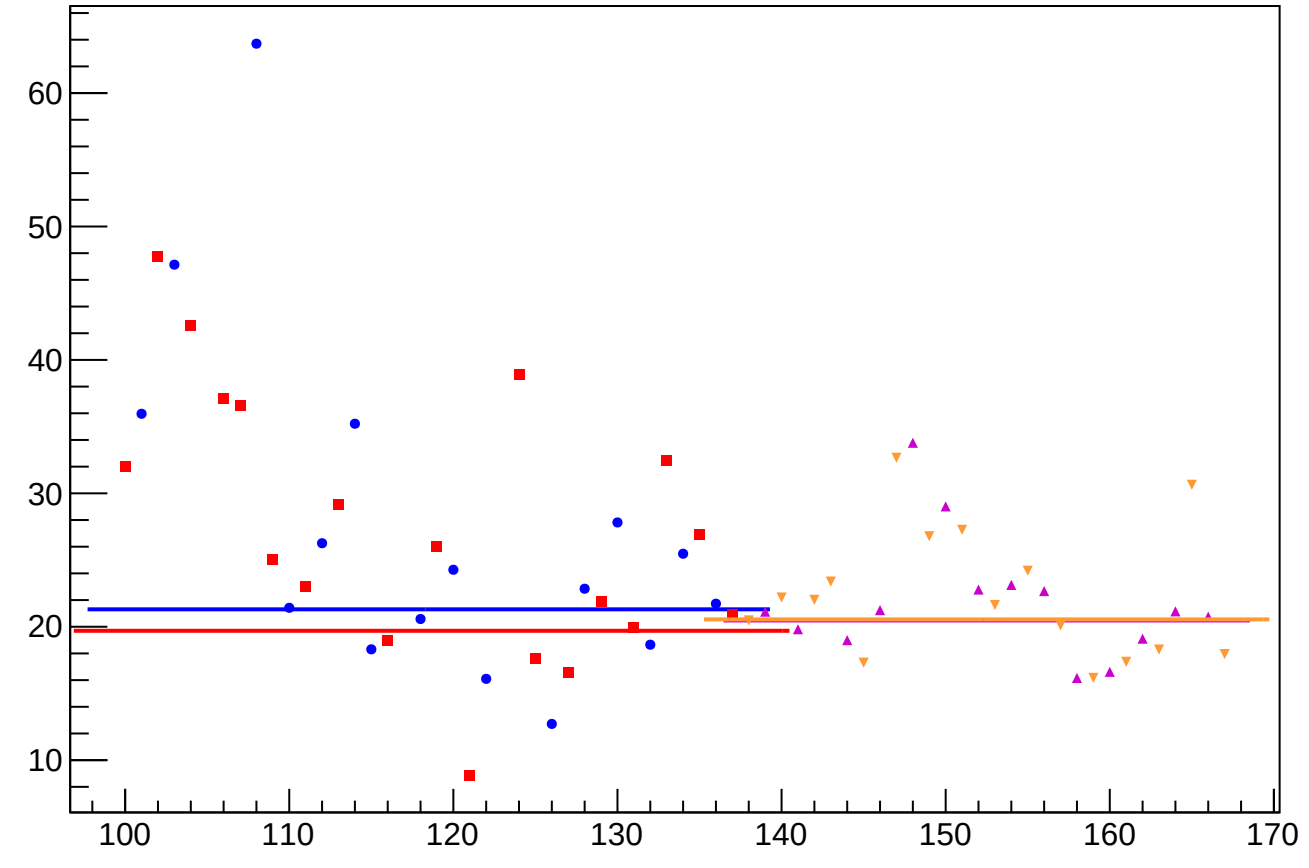
Left: 0.009+/-0.004 χ^2/NDF: 50.9/29

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:24.0/29

Out: 0.009+/-0.005 χ^2/NDF:54.0/34

All: 0.002+/-0.004 χ^2/NDF: 83.2/64



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.551+/-0.004 χ^2/NDF:890374.8/15

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.471+/-0.004 χ^2/NDF:699103.9/13

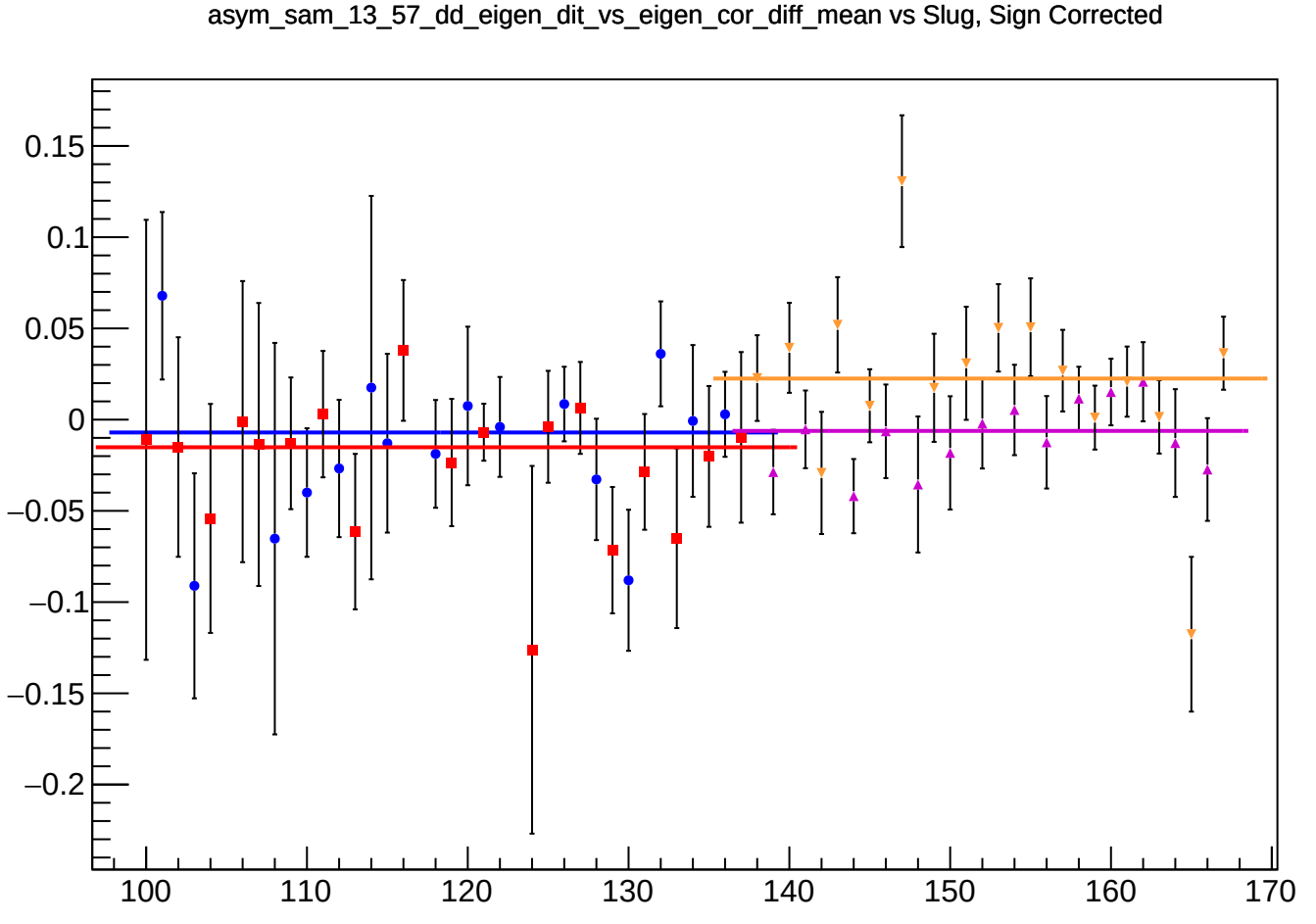
Left: 20.513+/-0.003 χ^2/NDF: 1589651.3/29

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.759+/-0.004 χ^2/NDF:2190599.9/29

Out: 20.255+/-0.003 χ^2/NDF:3343065.4/34

All: 20.496+/-0.002 χ^2/NDF: 5544001.9/64


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
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−0.05
−0.1
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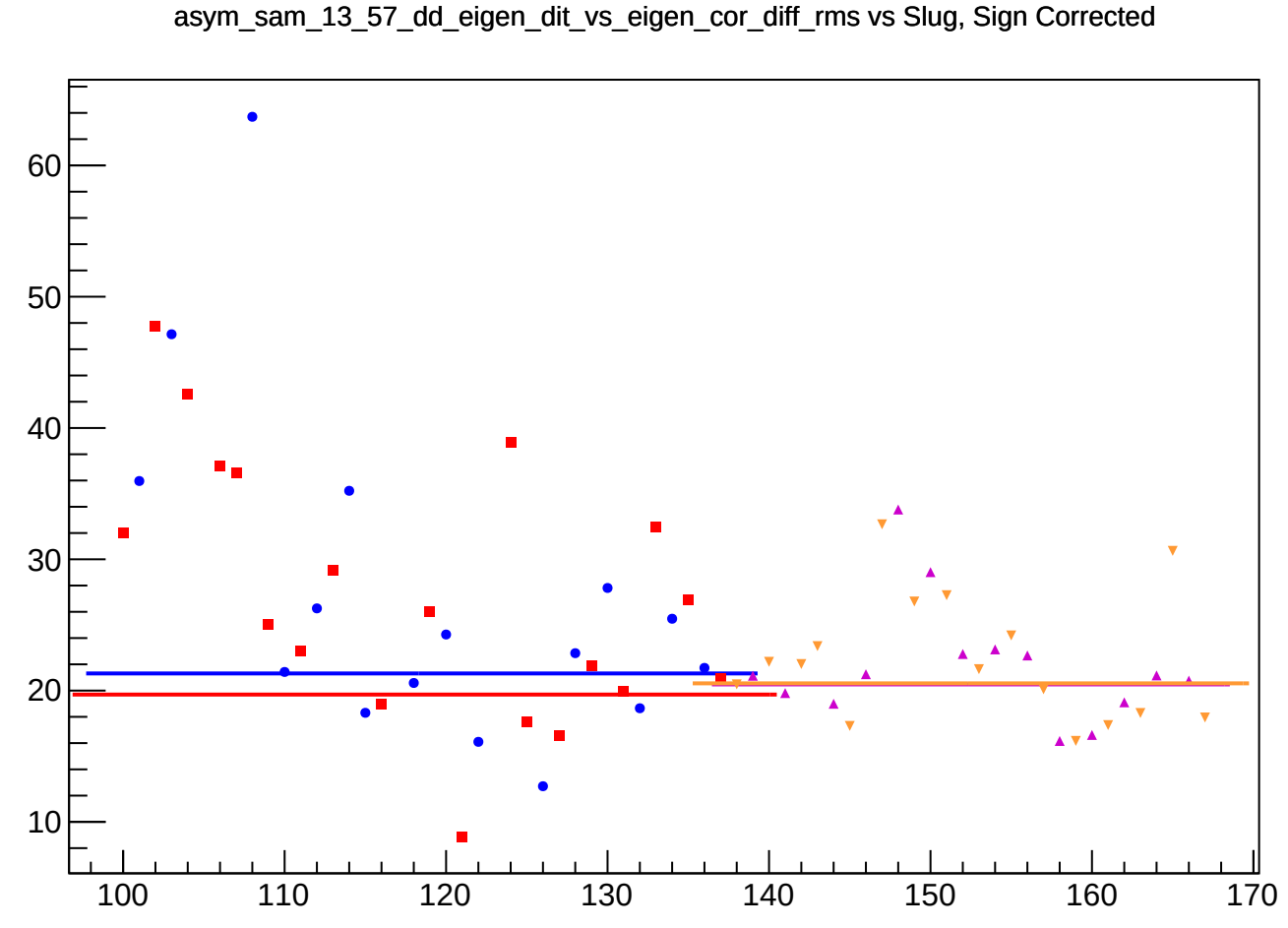
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.023+/-0.006 χ²/NDF:30.2/15
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.006+/-0.006 χ²/NDF:9.7/13
Left: 0.009+/-0.004 χ²/NDF: 50.9/29
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.006+/-0.005 χ²/NDF:24.0/29
Out: 0.009+/-0.005 χ²/NDF:54.0/34
All: 0.002+/-0.004 χ²/NDF: 83.2/64



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.551+/-0.004 χ^2/NDF:890374.8/15

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.471+/-0.004 χ^2/NDF:699103.9/13

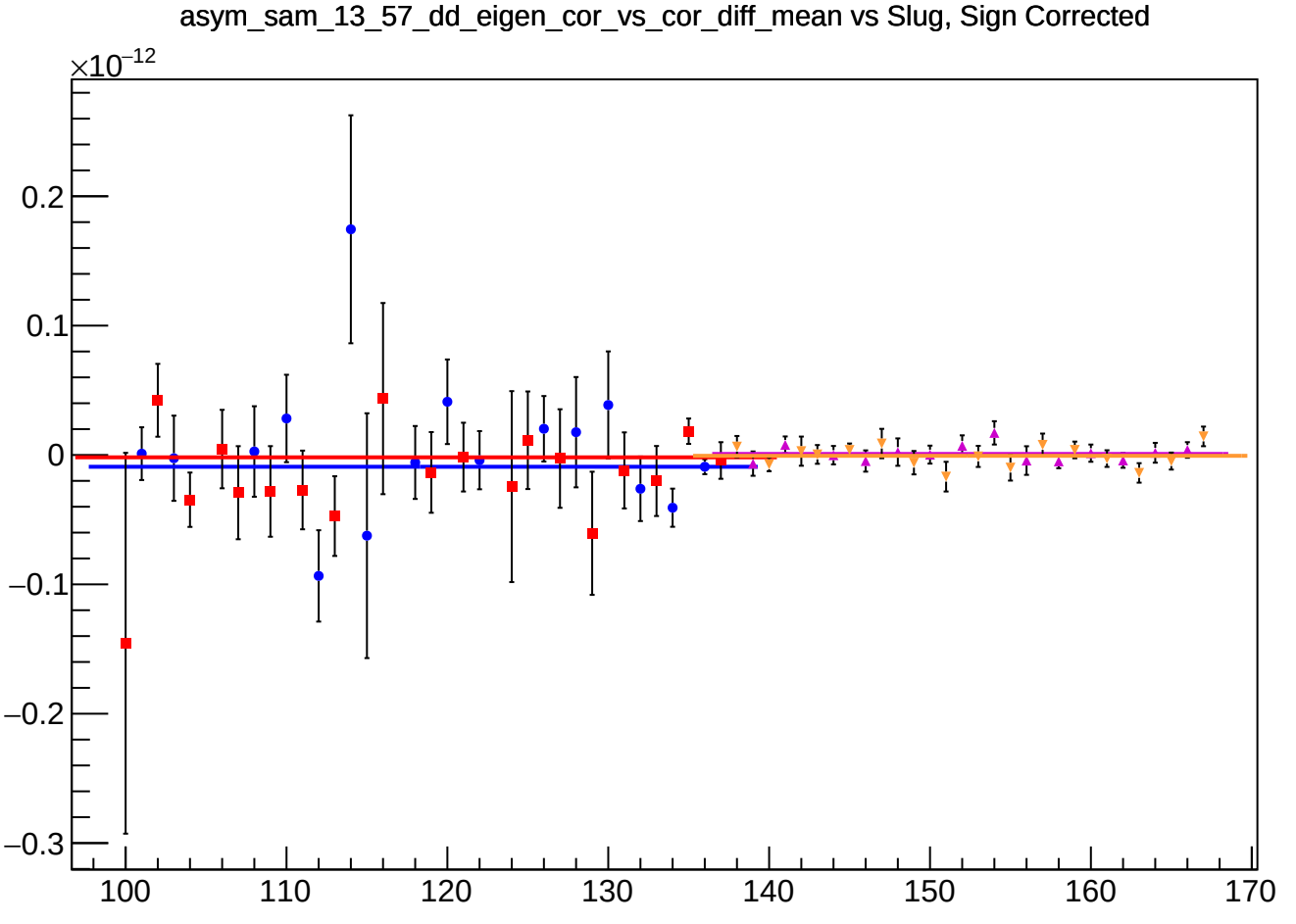
Left: 20.513+/-0.003 χ^2/NDF: 1589651.3/29

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.759+/-0.004 χ^2/NDF:2190599.9/29

Out: 20.255+/-0.003 χ^2/NDF:3343065.4/34

All: 20.496+/-0.002 χ^2/NDF: 5544001.9/64



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/13

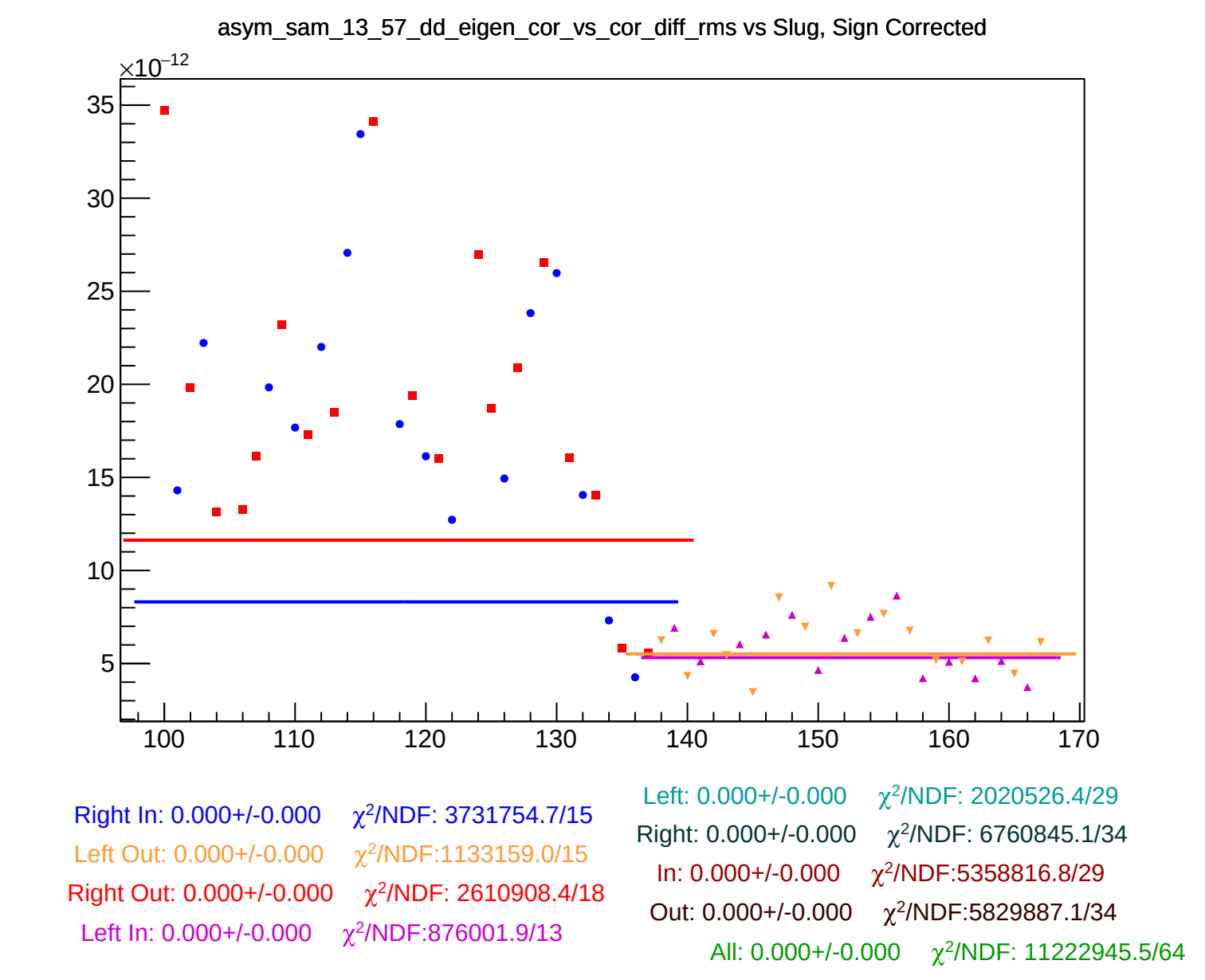
Left: 0.000+/-0.000 χ^2/NDF: 24.8/29

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:35.2/29

Out: -0.000+/-0.000 χ^2/NDF:33.0/34

All: -0.000+/-0.000 χ^2/NDF: 68.2/64


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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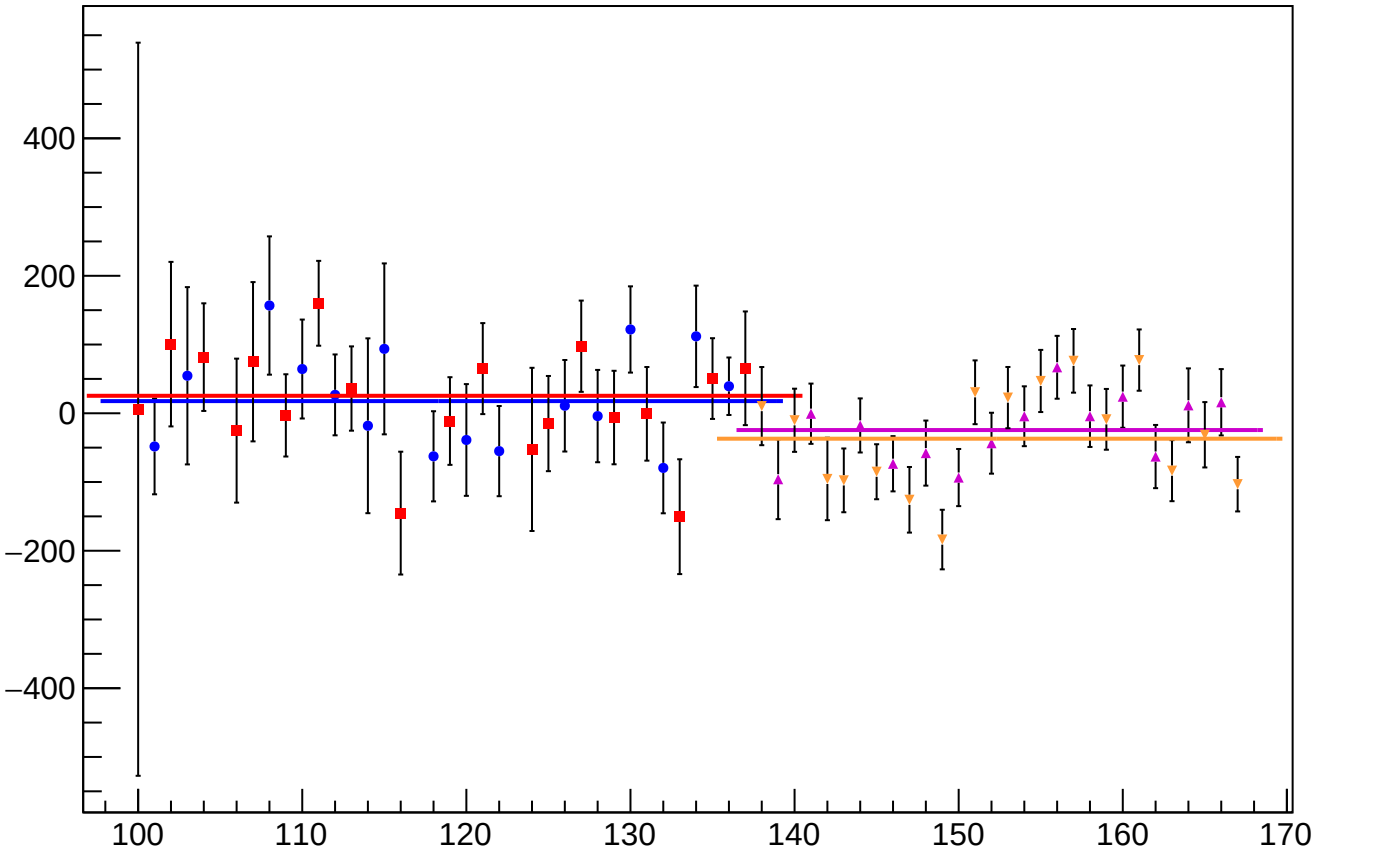
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1133159.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:876001.9/13
Left: 0.000+/-0.000 χ²/NDF: 2020526.4/29
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:5358816.8/29
Out: 0.000+/-0.000 χ²/NDF:5829887.1/34
All: 0.000+/-0.000 χ²/NDF: 11222945.5/64



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.993+/-11.437 χ^2/NDF:44.3/15

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -24.409+/-12.077 χ^2/NDF:14.2/13

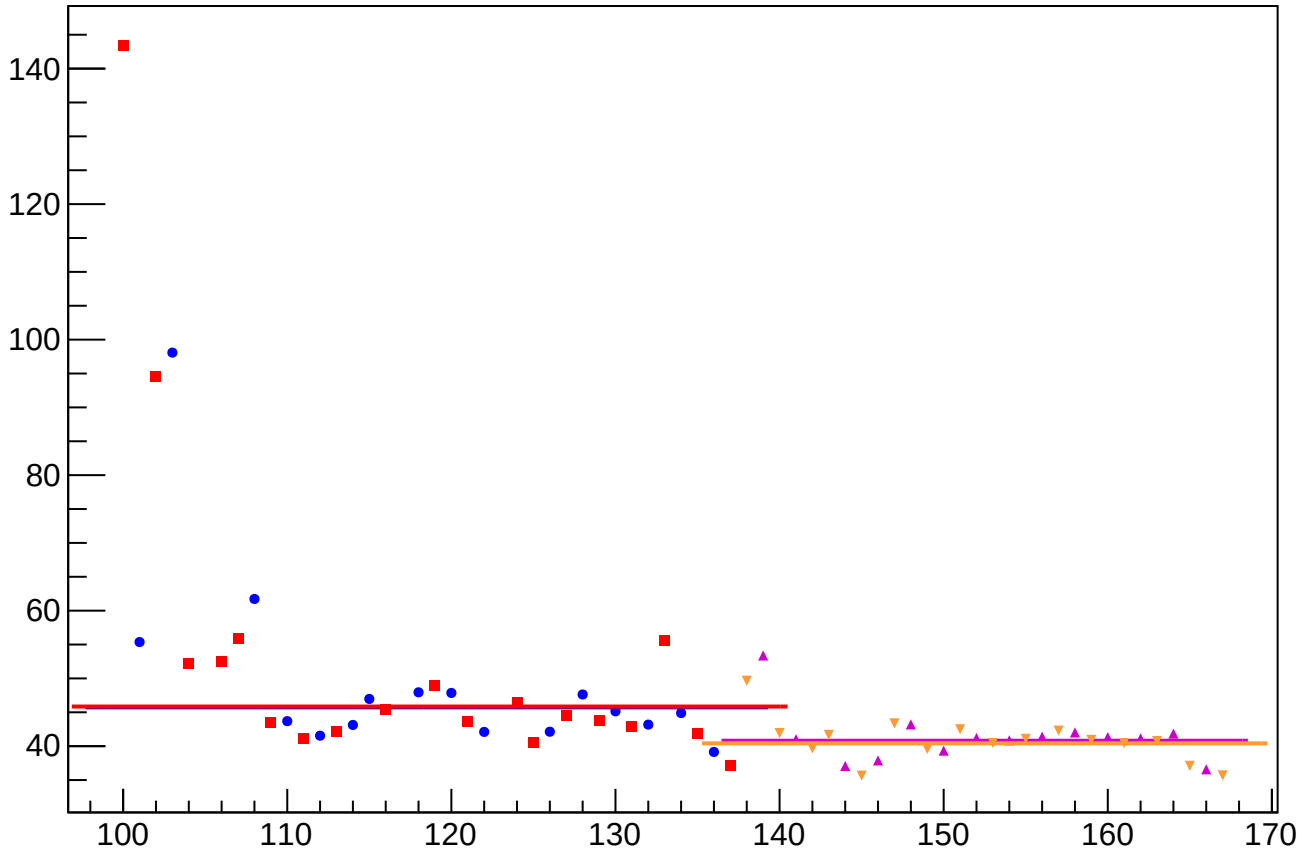
Left: -31.044+/-8.304 χ^2/NDF: 59.1/29

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -10.793+/-9.934 χ^2/NDF:32.1/29

Out: -18.062+/-9.547 χ^2/NDF:71.2/34

All: -14.572+/-6.883 χ^2/NDF: 103.5/64



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 40.416+/-0.008 χ^2/NDF:139699.1/15

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.803+/-0.009 χ^2/NDF:148279.8/13

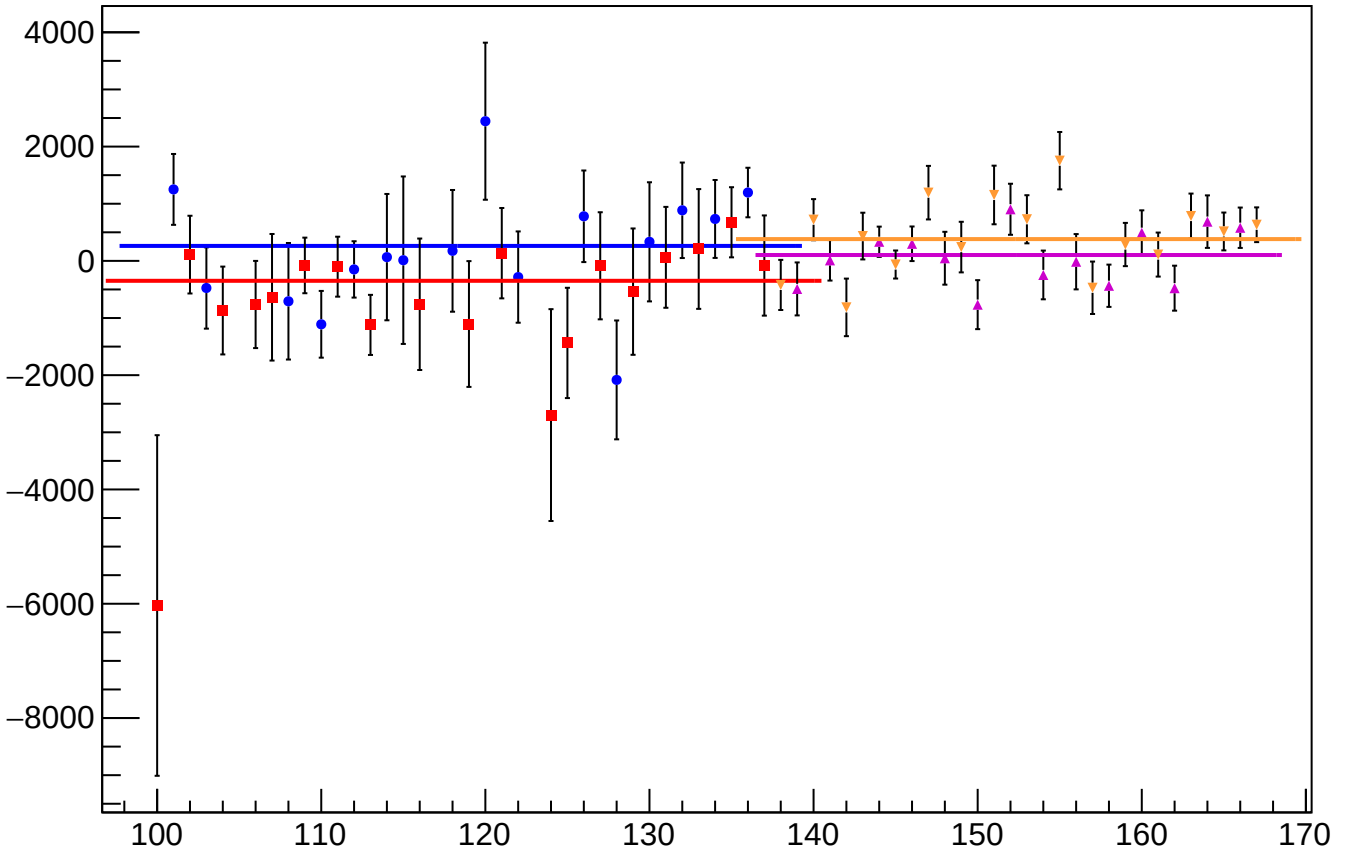
Left: 40.599+/-0.006 χ^2/NDF: 289057.4/29

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.395+/-0.007 χ^2/NDF:757248.8/29

Out: 42.064+/-0.007 χ^2/NDF:816701.1/34

All: 42.223+/-0.005 χ^2/NDF: 1575104.7/64



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 381.246+/-96.488 χ^2/NDF:32.6/15

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 102.622+/-102.205 χ^2/NDF:19.7/13

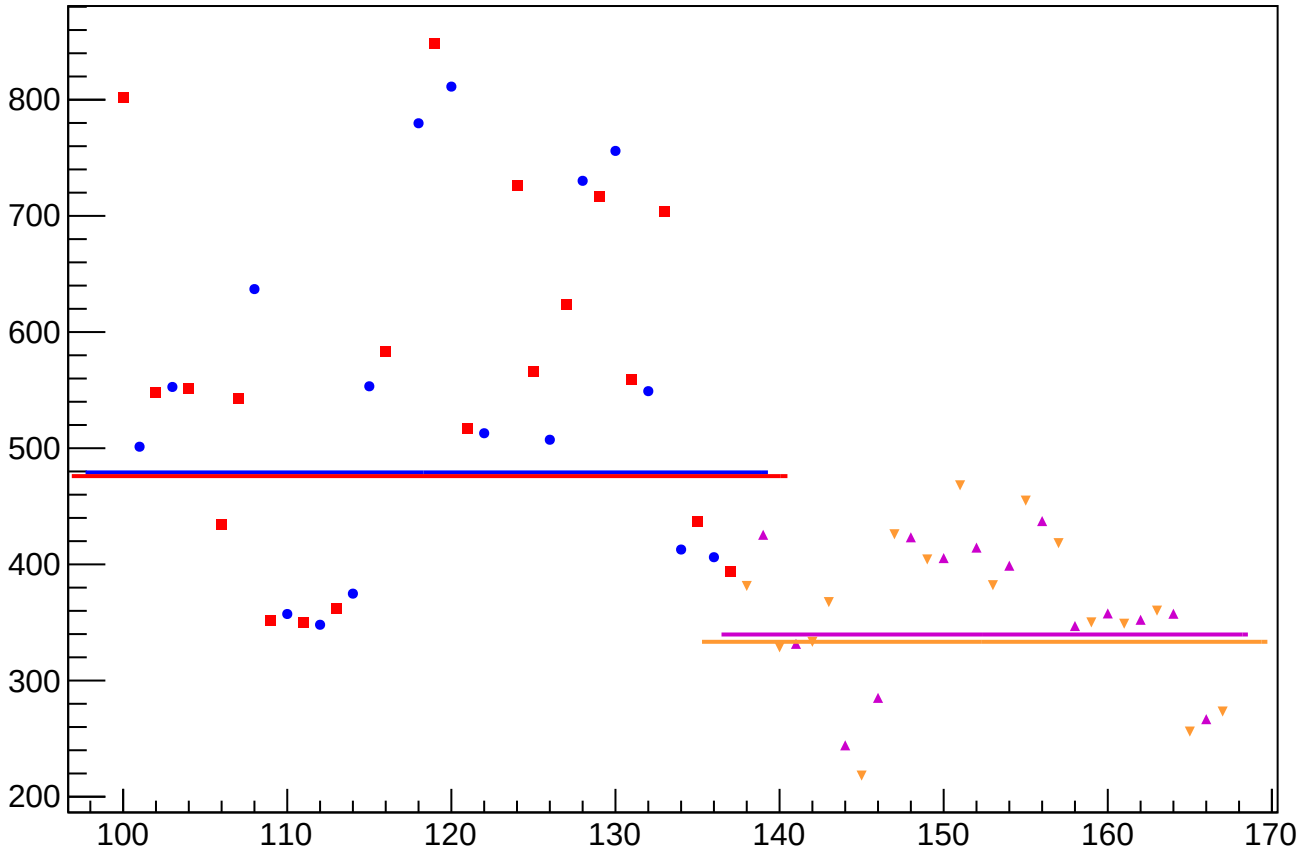
Left: 249.944+/-70.162 χ^2/NDF: 56.2/29

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 139.813+/-89.484 χ^2/NDF:45.2/29

Out: 219.275+/-85.112 χ^2/NDF:60.2/34

All: 181.532+/-61.671 χ^2/NDF: 105.8/64



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 333.362+/-0.068 χ^2/NDF:1161928.9/15

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 339.646+/-0.072 χ^2/NDF:778482.5/13

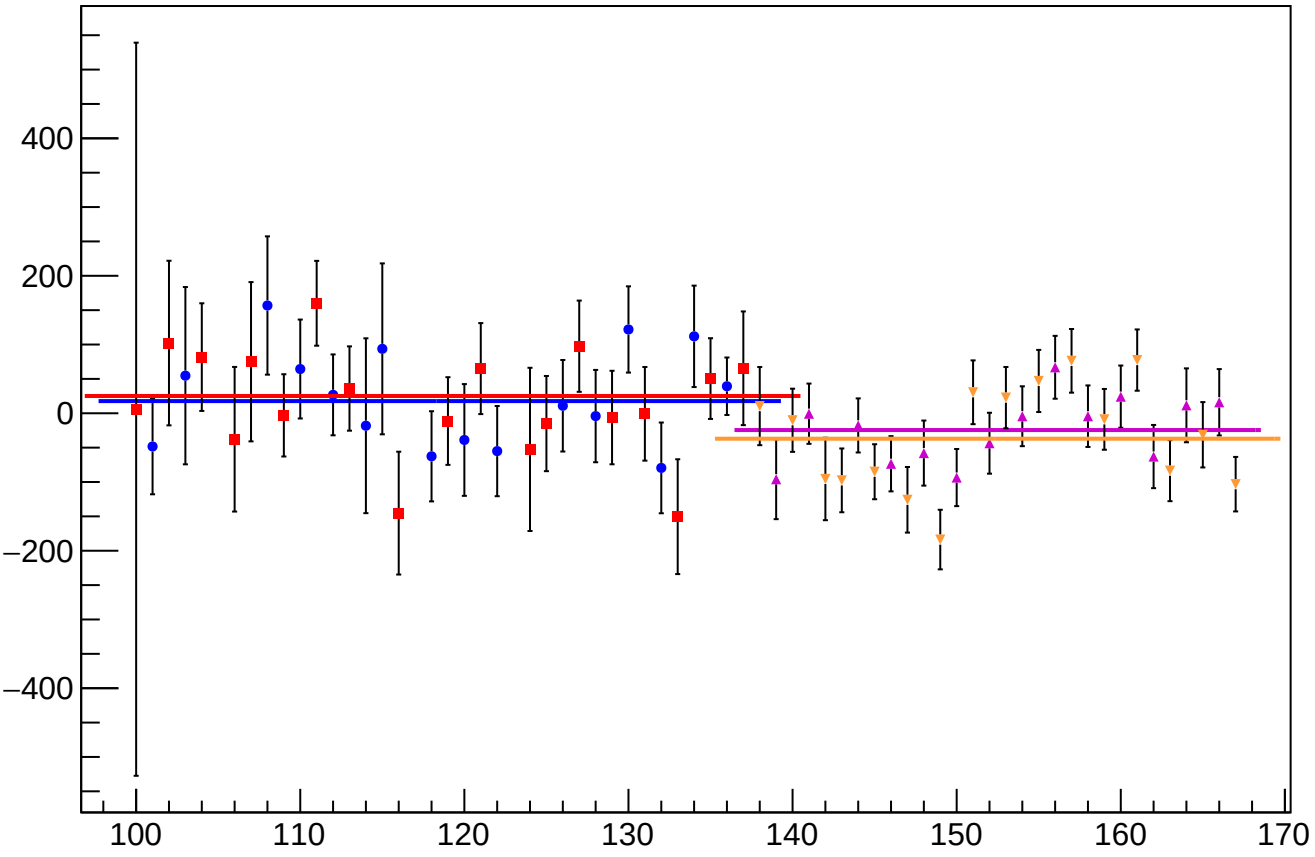
Left: 336.323+/-0.050 χ^2/NDF: 1944408.7/29

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 372.217+/-0.063 χ^2/NDF:2601325.0/29

Out: 365.011+/-0.060 χ^2/NDF:3138158.9/34

All: 368.434+/-0.044 χ^2/NDF: 5746292.5/64



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.995+/-11.437 χ^2/NDF:44.3/15

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -24.410+/-12.077 χ^2/NDF:14.2/13

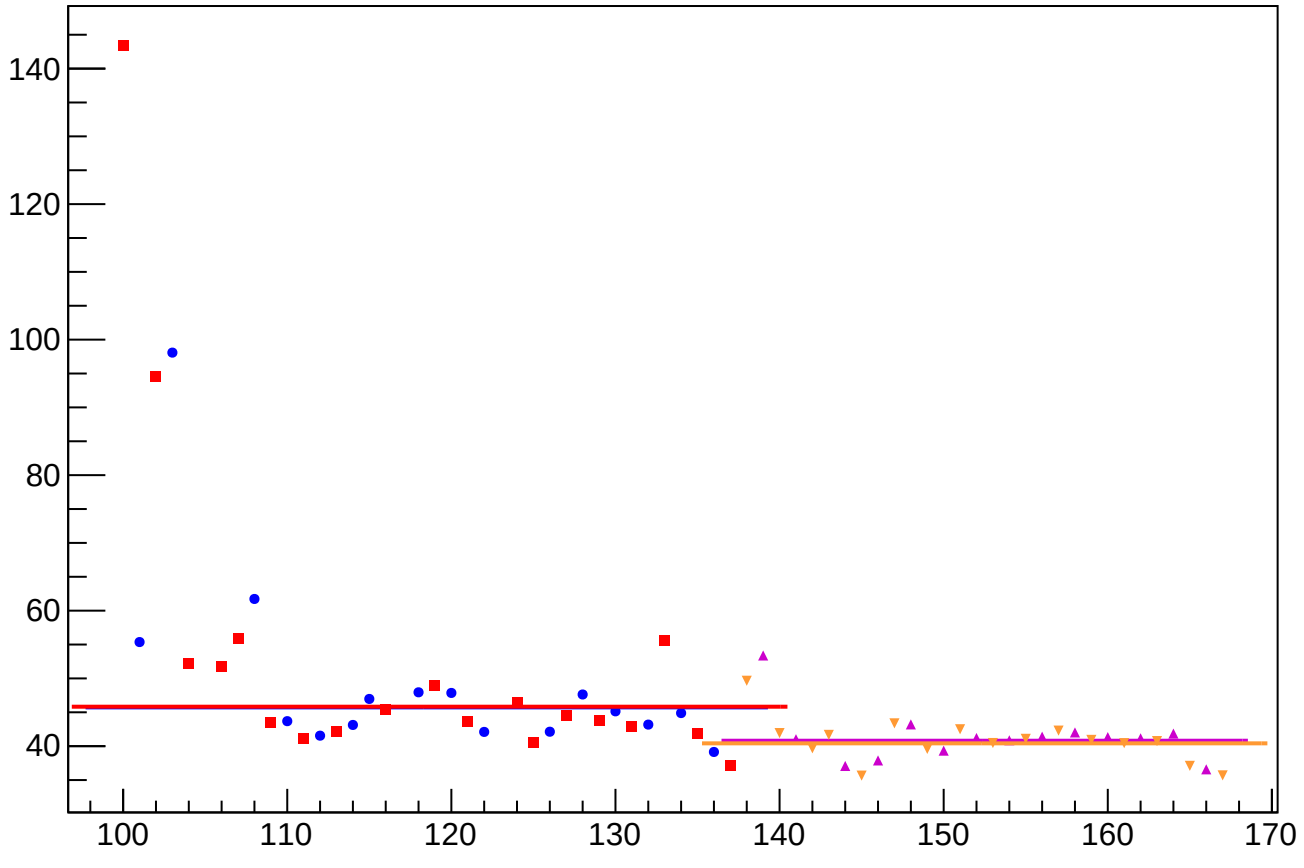
Left: -31.045+/-8.304 χ^2/NDF: 59.1/29

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -10.793+/-9.934 χ^2/NDF:32.1/29

Out: -18.156+/-9.547 χ^2/NDF:71.2/34

All: -14.621+/-6.883 χ^2/NDF: 103.6/64



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.416+/-0.008 χ^2/NDF:139699.1/15

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.803+/-0.009 χ^2/NDF:148279.8/13

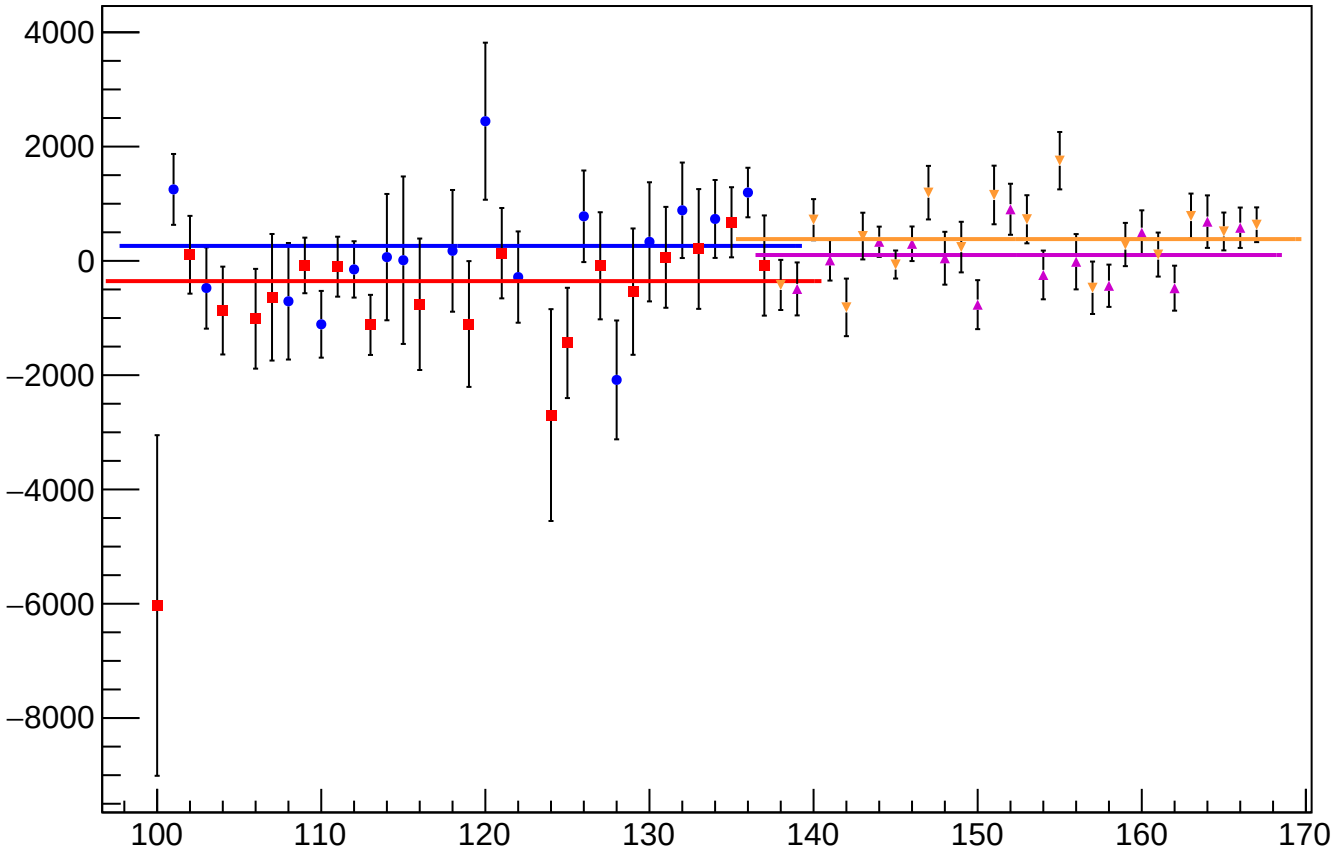
Left: 40.599+/-0.006 χ^2/NDF: 289057.4/29

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.395+/-0.007 χ^2/NDF:757251.8/29

Out: 42.056+/-0.007 χ^2/NDF:813790.7/34

All: 42.219+/-0.005 χ^2/NDF: 1572250.4/64



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 381.244+/-96.488 χ^2/NDF:32.6/15

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 102.622+/-102.205 χ^2/NDF:19.7/13

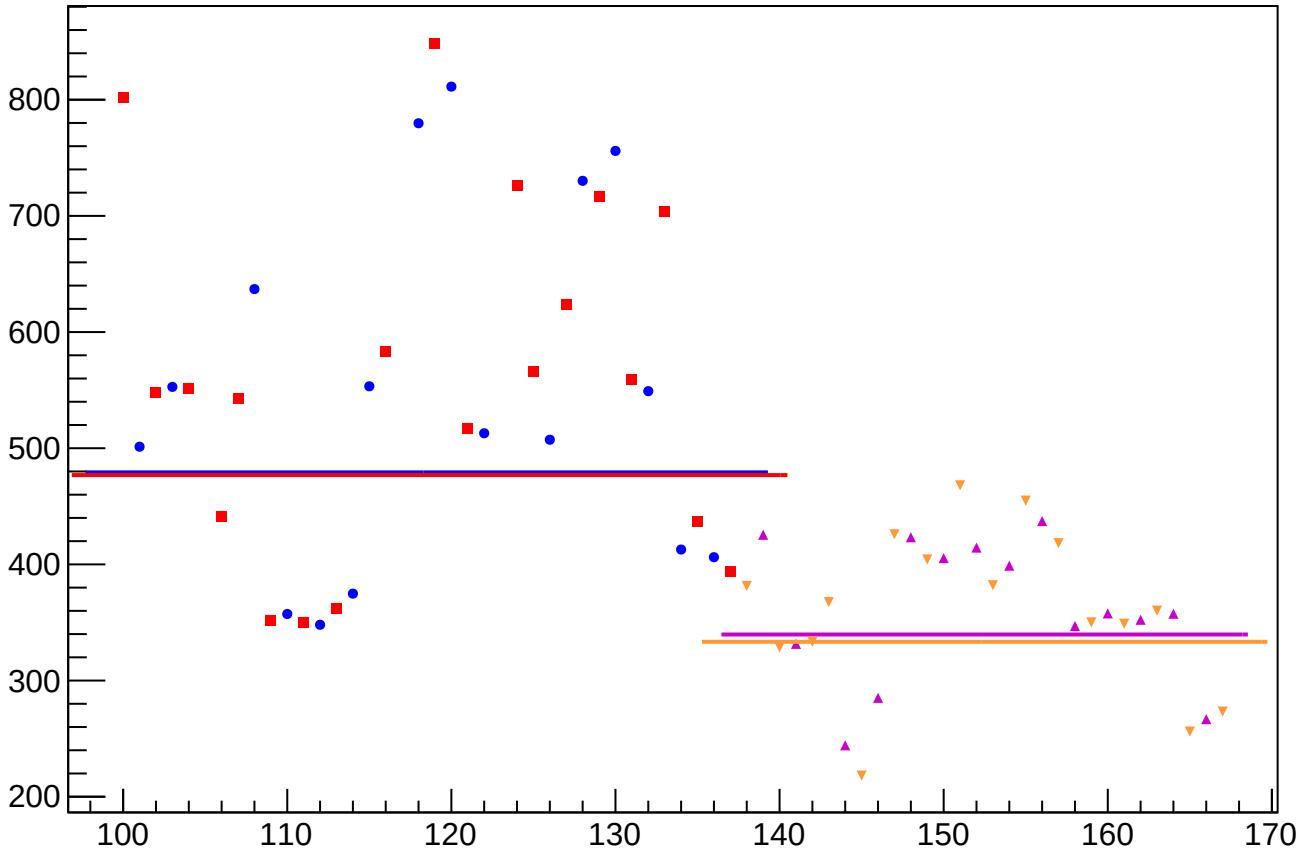
Left: 249.943+/-70.162 χ^2/NDF: 56.2/29

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 139.813+/-89.485 χ^2/NDF:45.2/29

Out: 219.752+/-85.239 χ^2/NDF:60.6/34

All: 181.724+/-61.719 χ^2/NDF: 106.2/64



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 333.362+/-0.068 χ^2/NDF:1161928.9/15

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 339.646+/-0.072 χ^2/NDF:778484.6/13

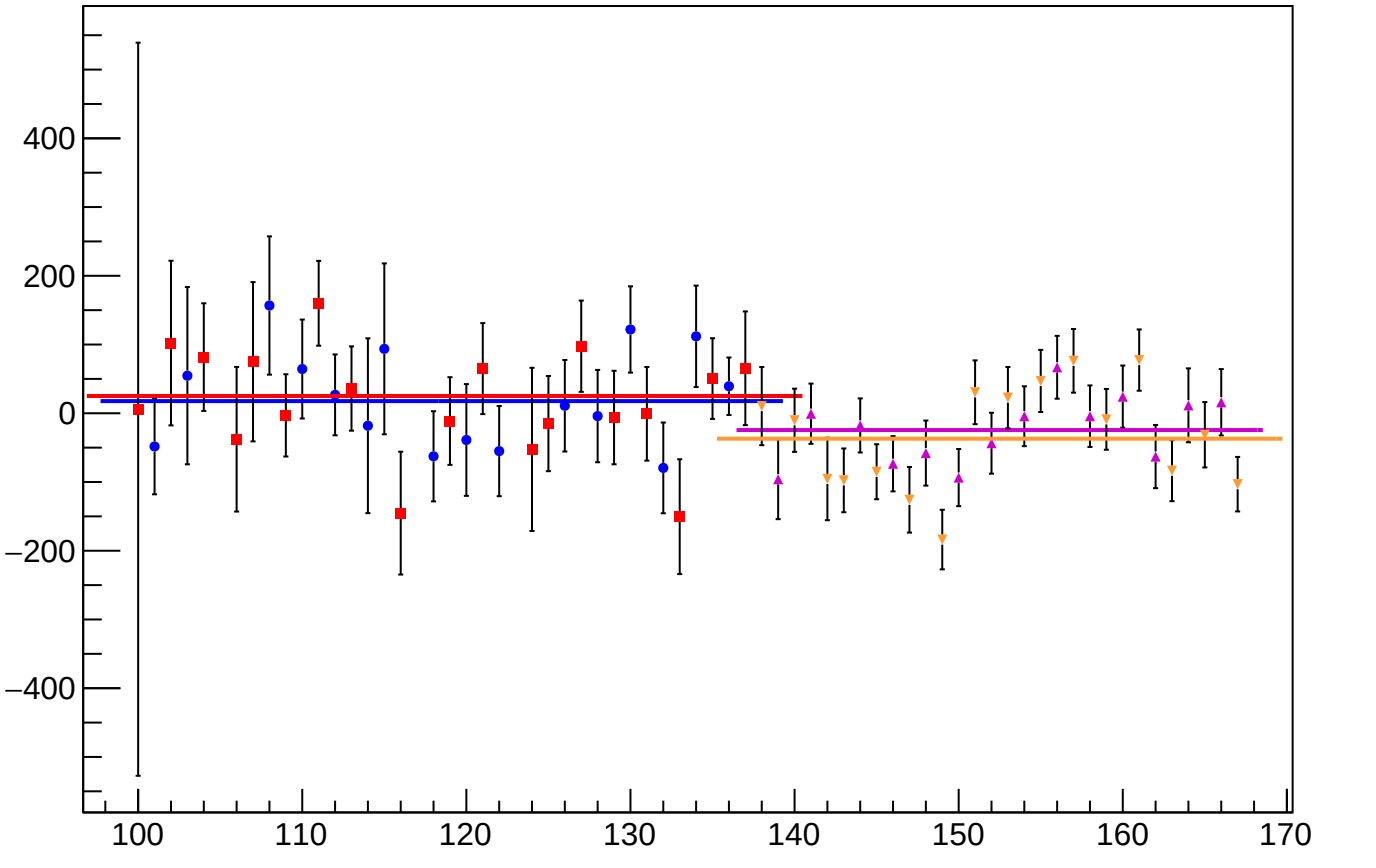
Left: 336.323+/-0.050 χ^2/NDF: 1944411.0/29

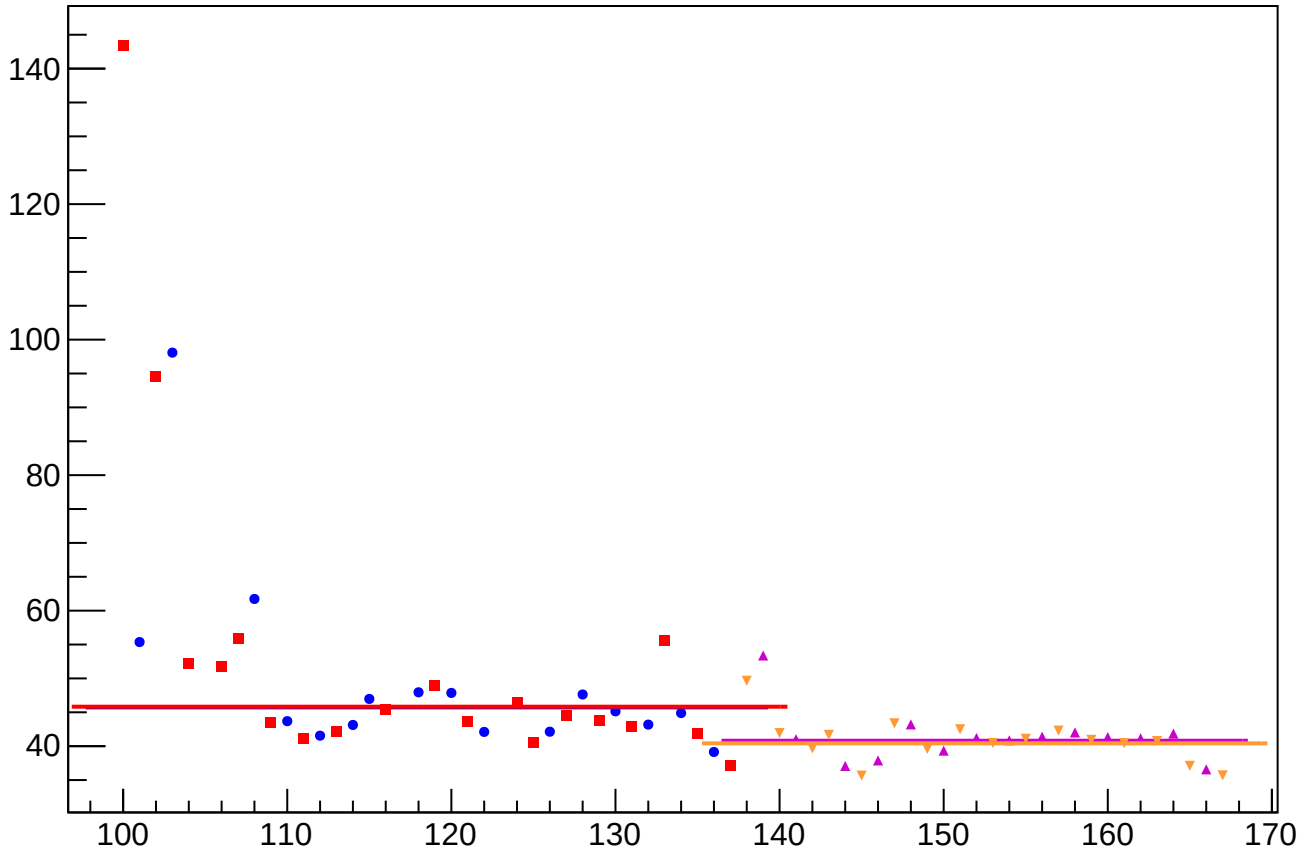
Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 372.217+/-0.063 χ^2/NDF:2601374.6/29

Out: 364.879+/-0.060 χ^2/NDF:3137478.3/34

All: 368.370+/-0.044 χ^2/NDF: 5745905.1/64


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: 17.706+/-17.470 χ²/NDF: 13.9/15
Left Out: -36.995+/-11.437 χ²/NDF:44.3/15
Right Out: 25.145+/-17.339 χ²/NDF: 18.0/18
Left In: -24.410+/-12.077 χ²/NDF:14.2/13
Left: -31.045+/-8.304 χ²/NDF: 59.1/29
Right: 21.453+/-12.307 χ²/NDF: 32.0/34
In: -10.793+/-9.934 χ²/NDF:32.1/29
Out: -18.156+/-9.547 χ²/NDF:71.2/34
All: -14.621+/-6.883 χ²/NDF: 103.6/64



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.416+/-0.008 χ^2/NDF:139699.1/15

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.803+/-0.009 χ^2/NDF:148279.8/13

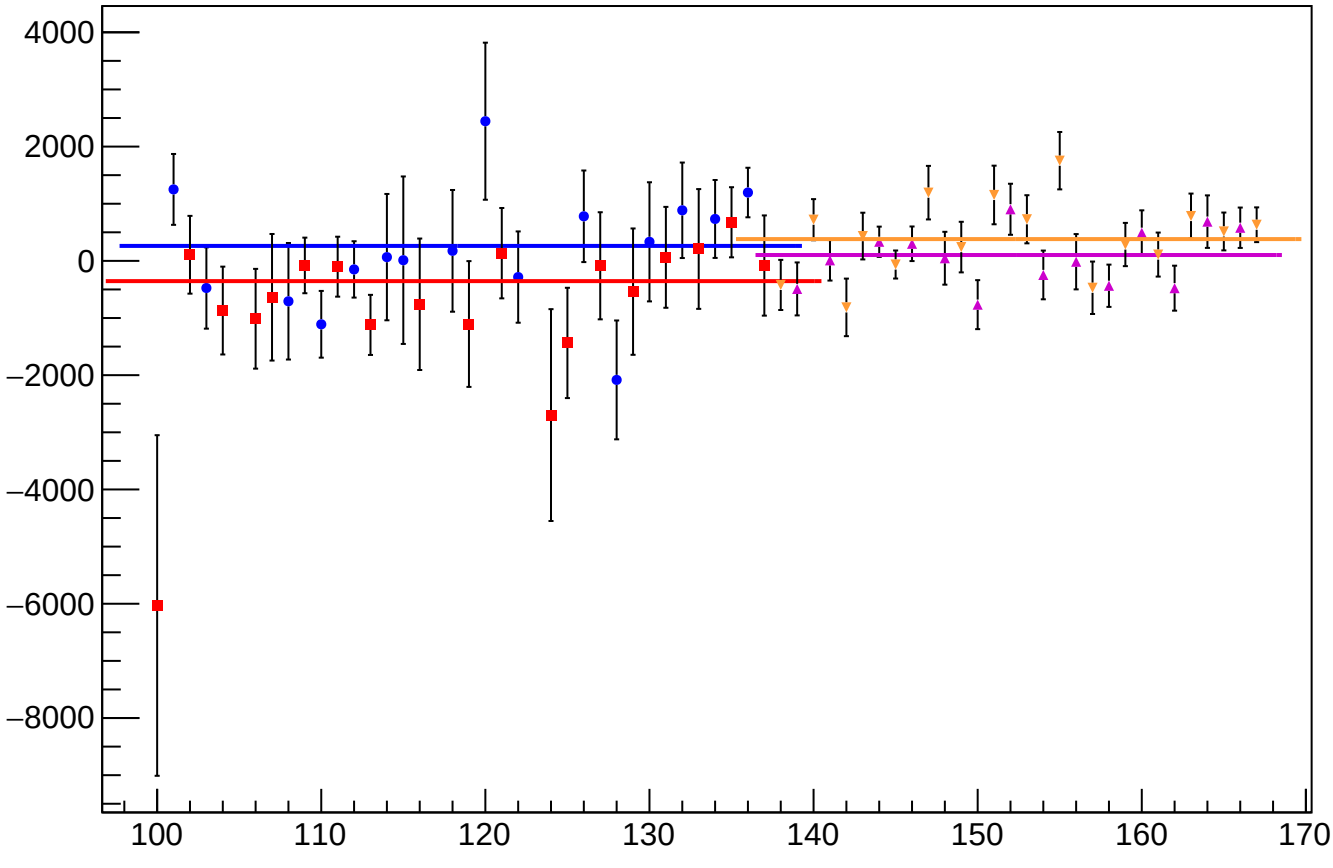
Left: 40.599+/-0.006 χ^2/NDF: 289057.4/29

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.395+/-0.007 χ^2/NDF:757251.8/29

Out: 42.056+/-0.007 χ^2/NDF:813790.7/34

All: 42.219+/-0.005 χ^2/NDF: 1572250.4/64



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 381.244+/-96.488 χ^2/NDF:32.6/15

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 102.622+/-102.205 χ^2/NDF:19.7/13

Left: 249.943+/-70.162 χ^2/NDF: 56.2/29

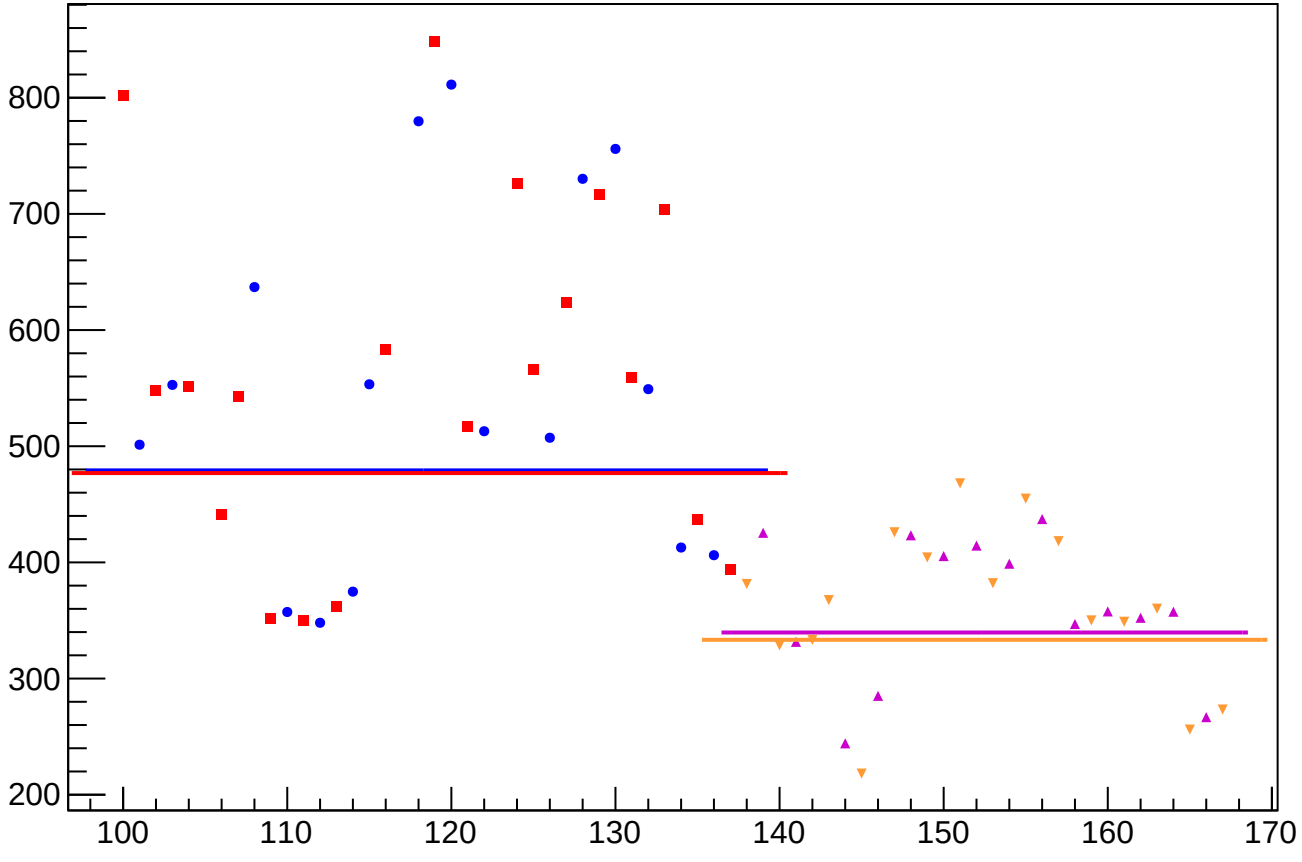
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 139.813+/-89.485 χ^2/NDF:45.2/29

Out: 219.752+/-85.239 χ^2/NDF:60.6/34

All: 181.724+/-61.719 χ^2/NDF: 106.2/64

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 333.362+/-0.068 χ^2/NDF:1161928.9/15

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 339.646+/-0.072 χ^2/NDF:778484.6/13

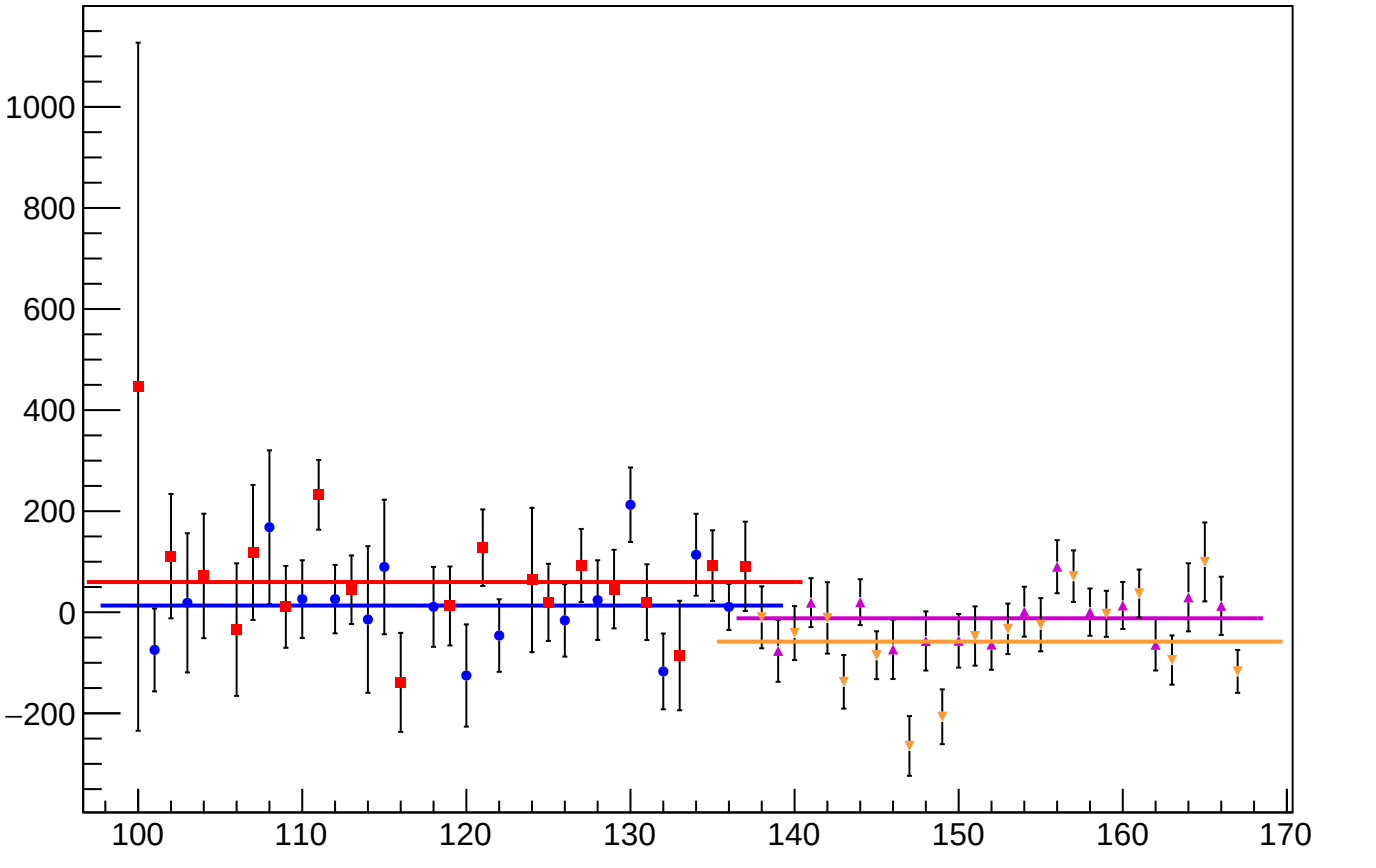
Left: 336.323+/-0.050 χ^2/NDF: 1944411.0/29

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 372.217+/-0.063 χ^2/NDF:2601374.6/29

Out: 364.879+/-0.060 χ^2/NDF:3137478.3/34

All: 368.370+/-0.044 χ^2/NDF: 5745905.1/64



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.144+/-13.194 χ^2/NDF:42.6/15

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -11.940+/-13.982 χ^2/NDF:11.3/13

Left: -36.381+/-9.596 χ^2/NDF: 59.7/29

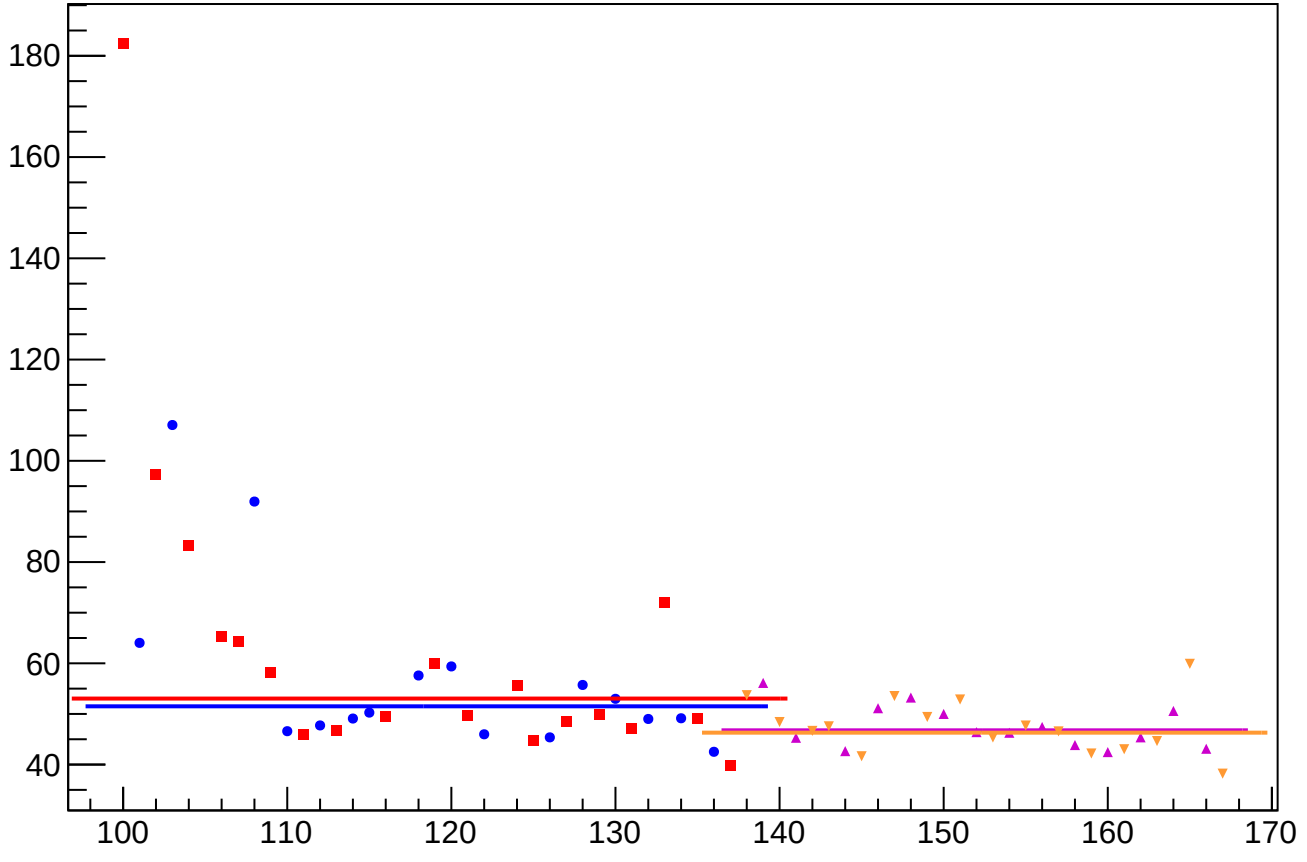
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -3.581+/-11.431 χ^2/NDF:29.6/29

Out: -22.954+/-11.052 χ^2/NDF:82.6/34

All: -13.594+/-7.945 χ^2/NDF: 113.7/64

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 46.303+/-0.009 χ^2/NDF:277941.5/15

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 46.763+/-0.010 χ^2/NDF:149509.9/13

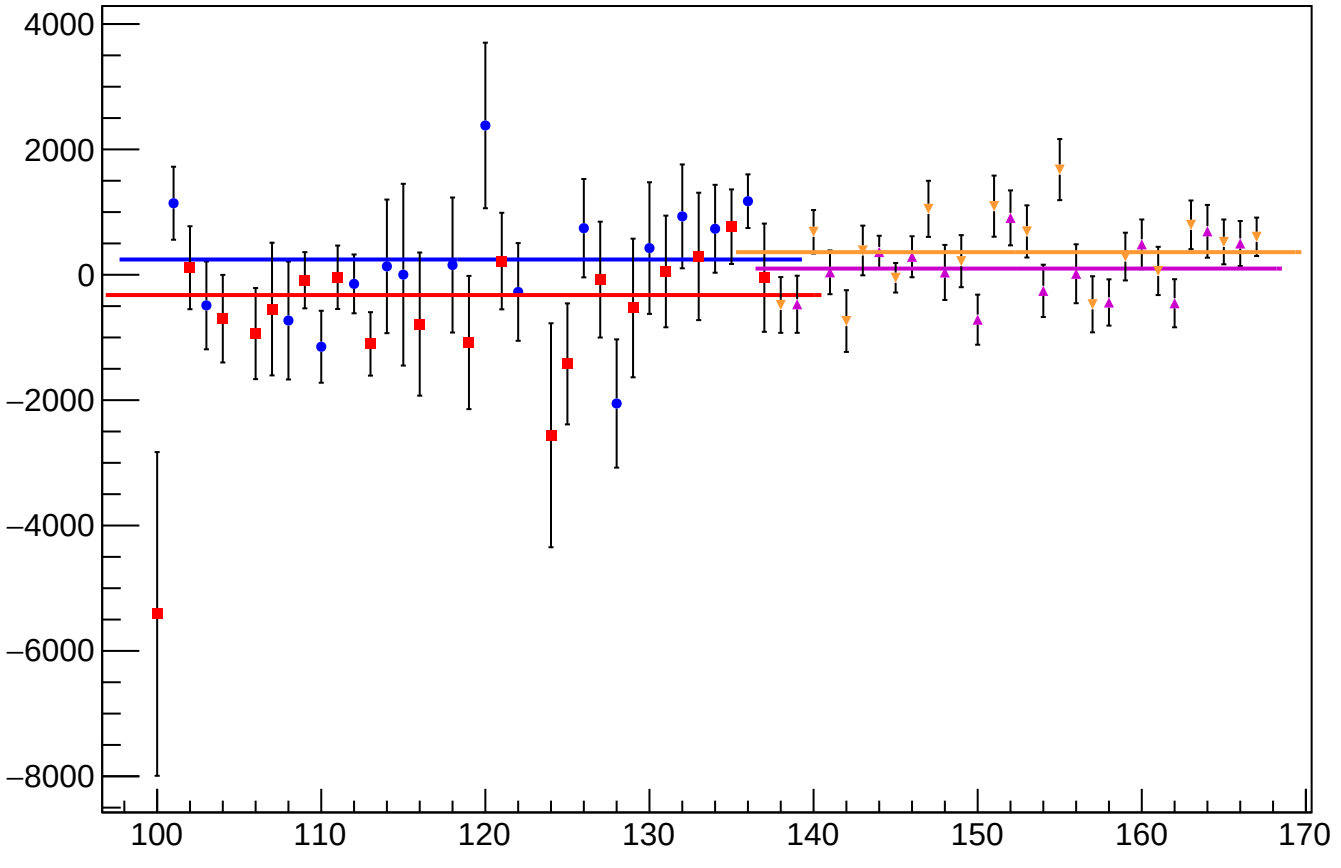
Left: 46.520+/-0.007 χ^2/NDF: 428593.3/29

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 48.336+/-0.008 χ^2/NDF:892887.5/29

Out: 48.312+/-0.008 χ^2/NDF:1146285.2/34

All: 48.324+/-0.006 χ^2/NDF: 2039177.0/64



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 360.979+/-95.092 χ^2/NDF:31.4/15

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 98.948+/-101.007 χ^2/NDF:19.7/13

Left: 237.860+/-69.237 χ^2/NDF: 54.6/29

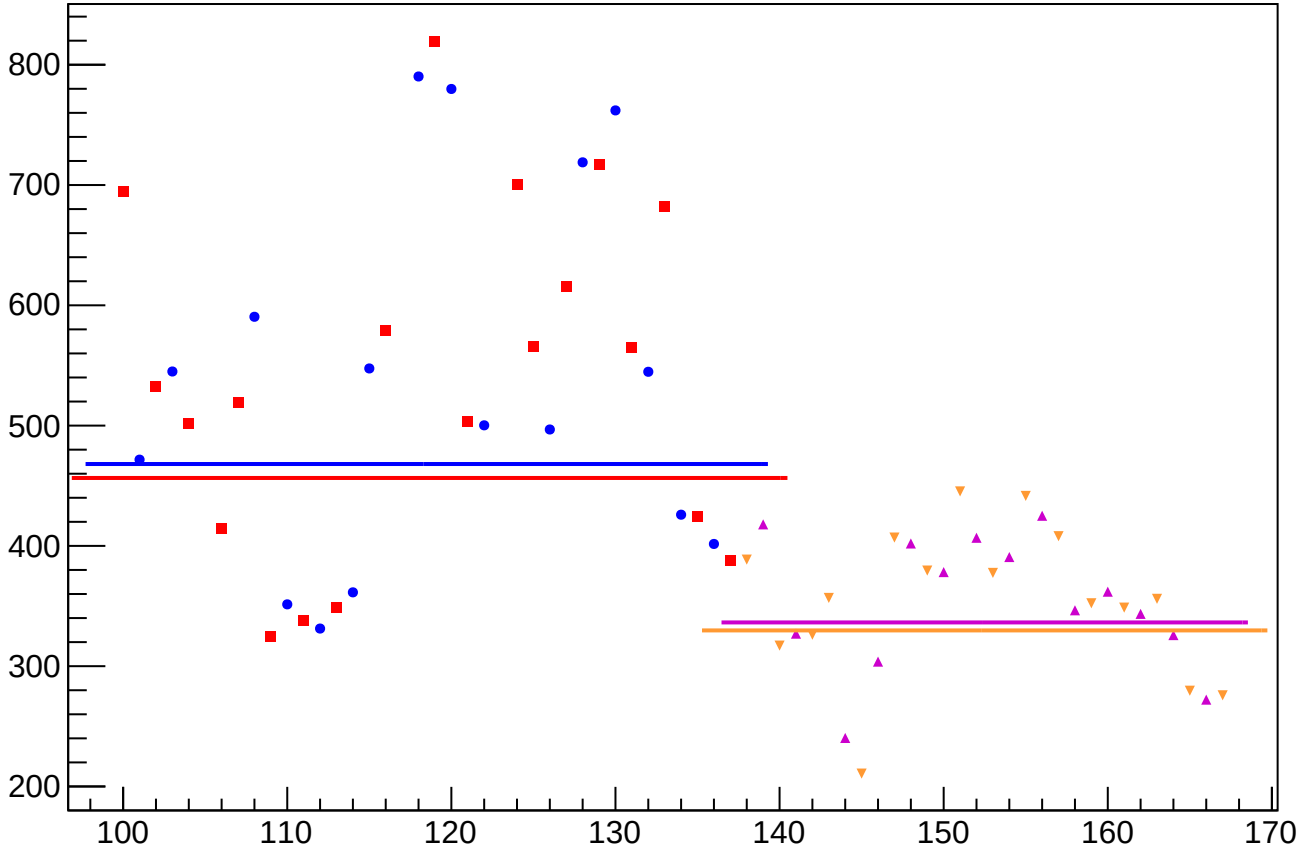
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 133.390+/-88.188 χ^2/NDF:45.8/29

Out: 203.017+/-83.404 χ^2/NDF:59.8/34

All: 170.143+/-60.596 χ^2/NDF: 105.9/64

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 329.732+/-0.067 χ^2/NDF:1072304.1/15

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 336.371+/-0.071 χ^2/NDF:657498.8/13

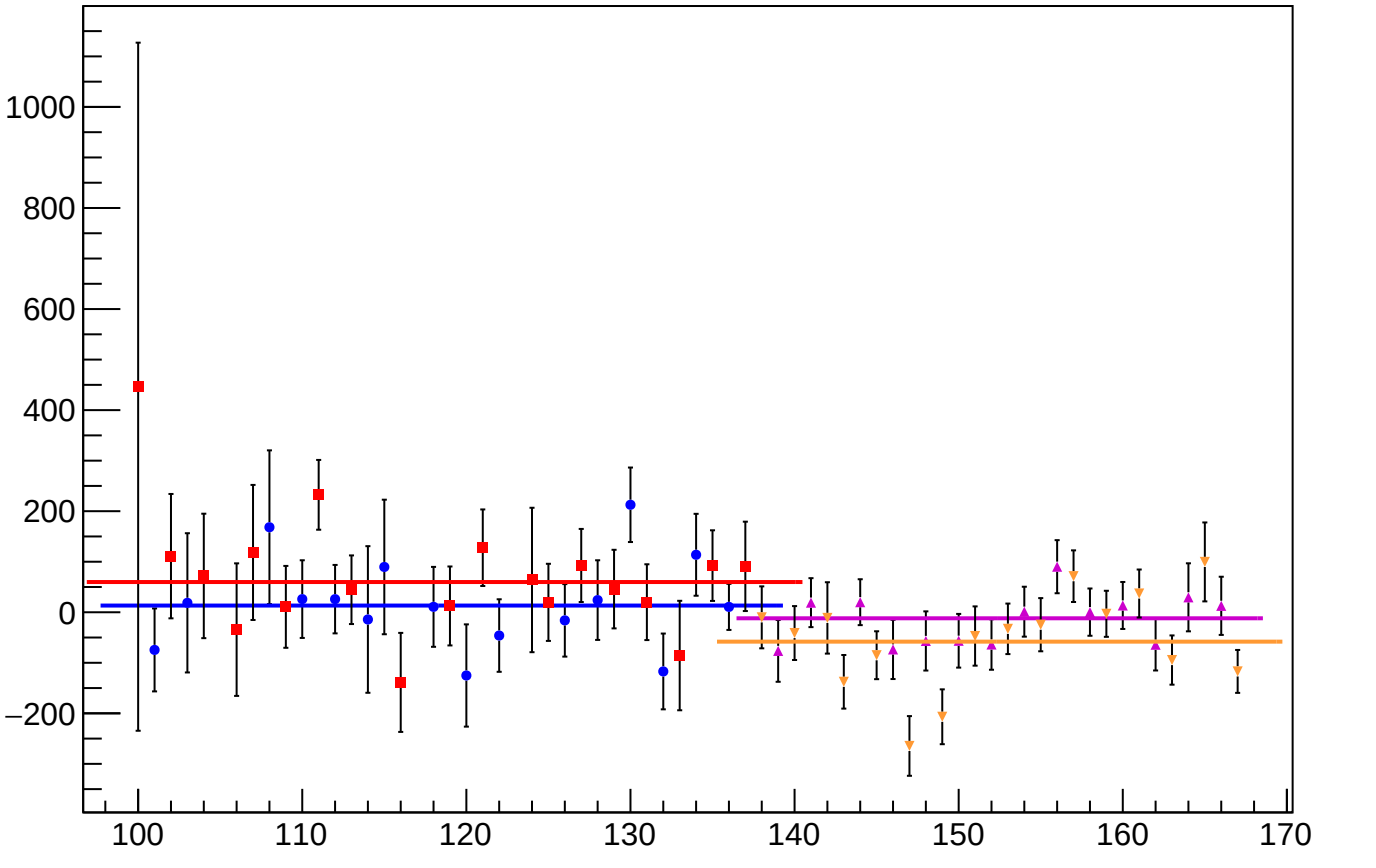
Left: 332.852+/-0.049 χ^2/NDF: 1734383.5/29

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 367.678+/-0.062 χ^2/NDF:2448642.3/29

Out: 358.974+/-0.059 χ^2/NDF:2974557.6/34

All: 363.084+/-0.043 χ^2/NDF: 5433483.6/64



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.145+/-13.194 χ^2/NDF:42.6/15

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -11.940+/-13.982 χ^2/NDF:11.3/13

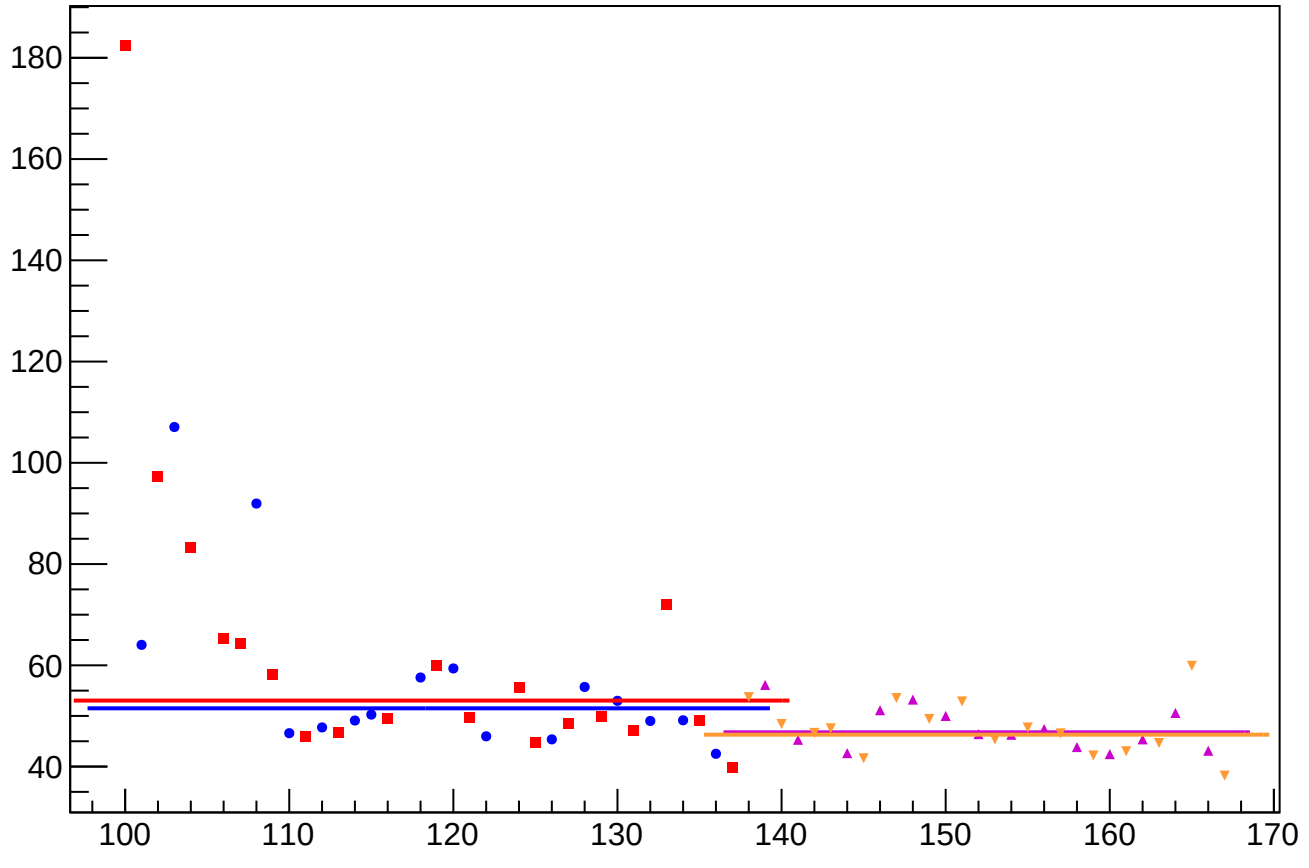
Left: -36.382+/-9.596 χ^2/NDF: 59.7/29

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -3.581+/-11.431 χ^2/NDF:29.6/29

Out: -22.954+/-11.052 χ^2/NDF:82.6/34

All: -13.594+/-7.945 χ^2/NDF: 113.7/64



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 46.303+/-0.009 χ^2/NDF:277946.0/15

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.763+/-0.010 χ^2/NDF:149512.1/13

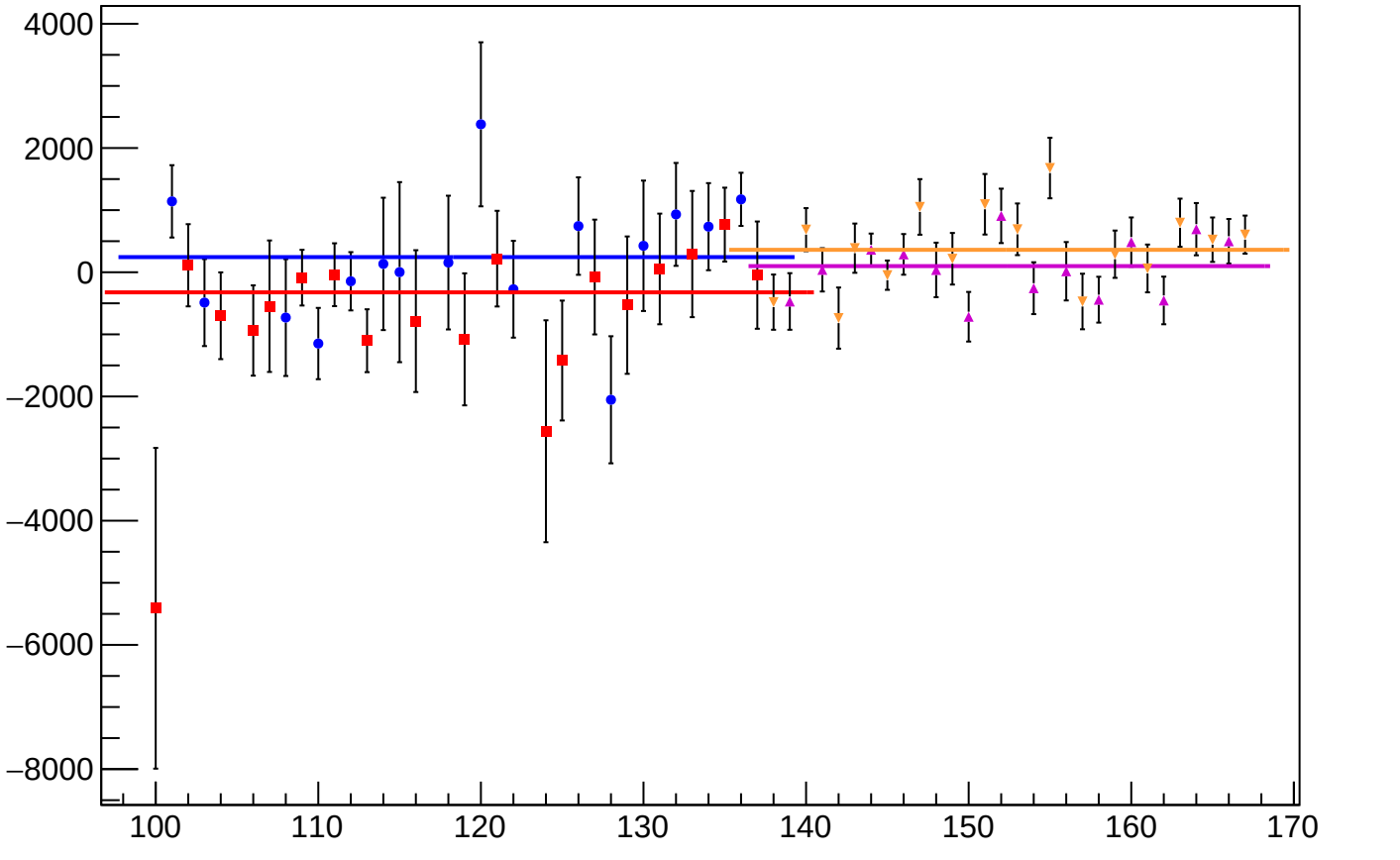
Left: 46.520+/-0.007 χ^2/NDF: 428600.1/29

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

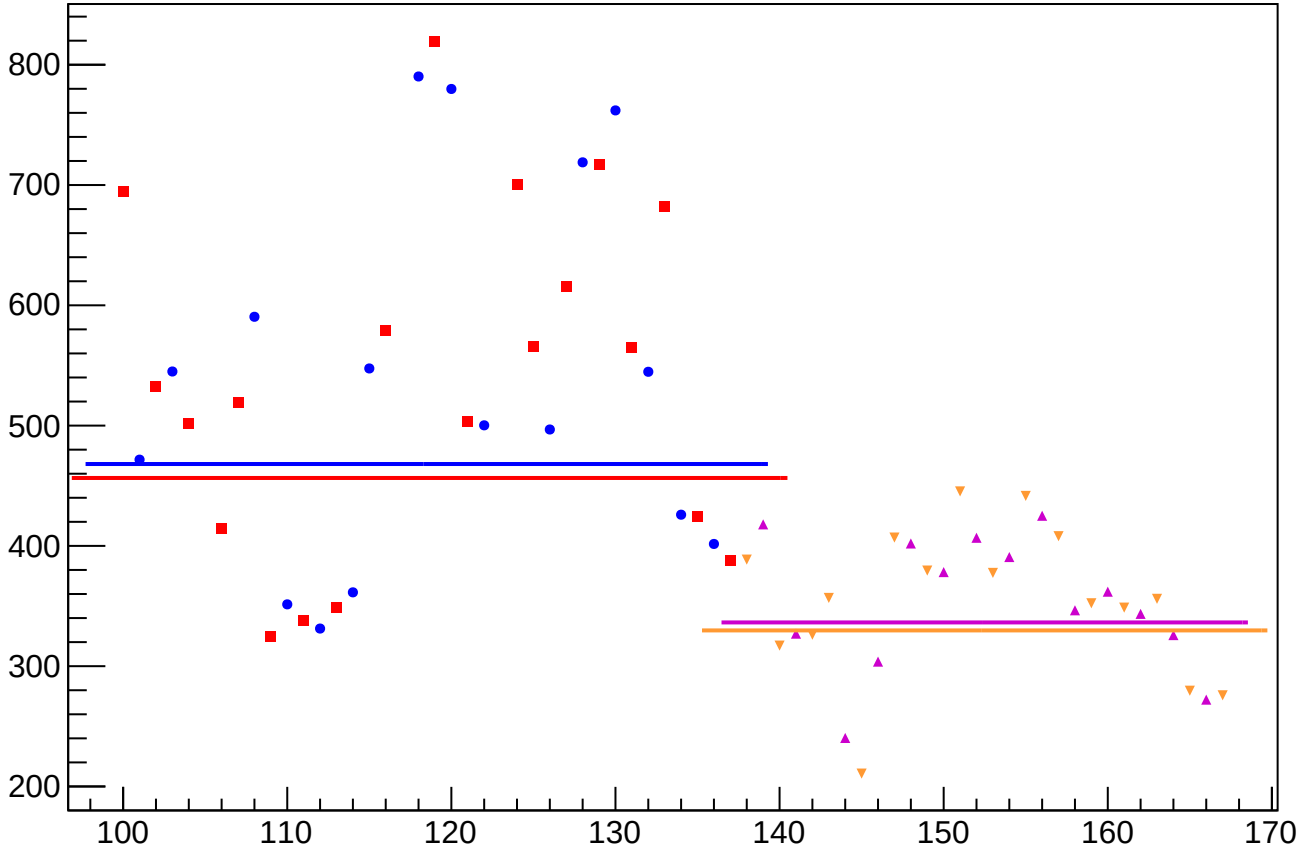
In: 48.336+/-0.008 χ^2/NDF:892895.3/29

Out: 48.312+/-0.008 χ^2/NDF:1146300.2/34

All: 48.324+/-0.006 χ^2/NDF: 2039199.8/64


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 243.826+/-180.872 χ²/NDF: 25.6/15
Left Out: 360.979+/-95.092 χ²/NDF:31.4/15
Right Out: -323.628+/-173.631 χ²/NDF: 16.5/18
Left In: 98.949+/-101.007 χ²/NDF:19.7/13
Left: 237.860+/-69.237 χ²/NDF: 54.6/29
Right: -51.485+/-125.257 χ²/NDF: 47.2/34
In: 133.390+/-88.188 χ²/NDF:45.8/29
Out: 203.017+/-83.404 χ²/NDF:59.8/34
All: 170.143+/-60.596 χ²/NDF: 105.9/64

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 329.732+/-0.067 χ^2/NDF:1072307.2/15

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 336.371+/-0.071 χ^2/NDF:657500.5/13

Left: 332.852+/-0.049 χ^2/NDF: 1734388.3/29

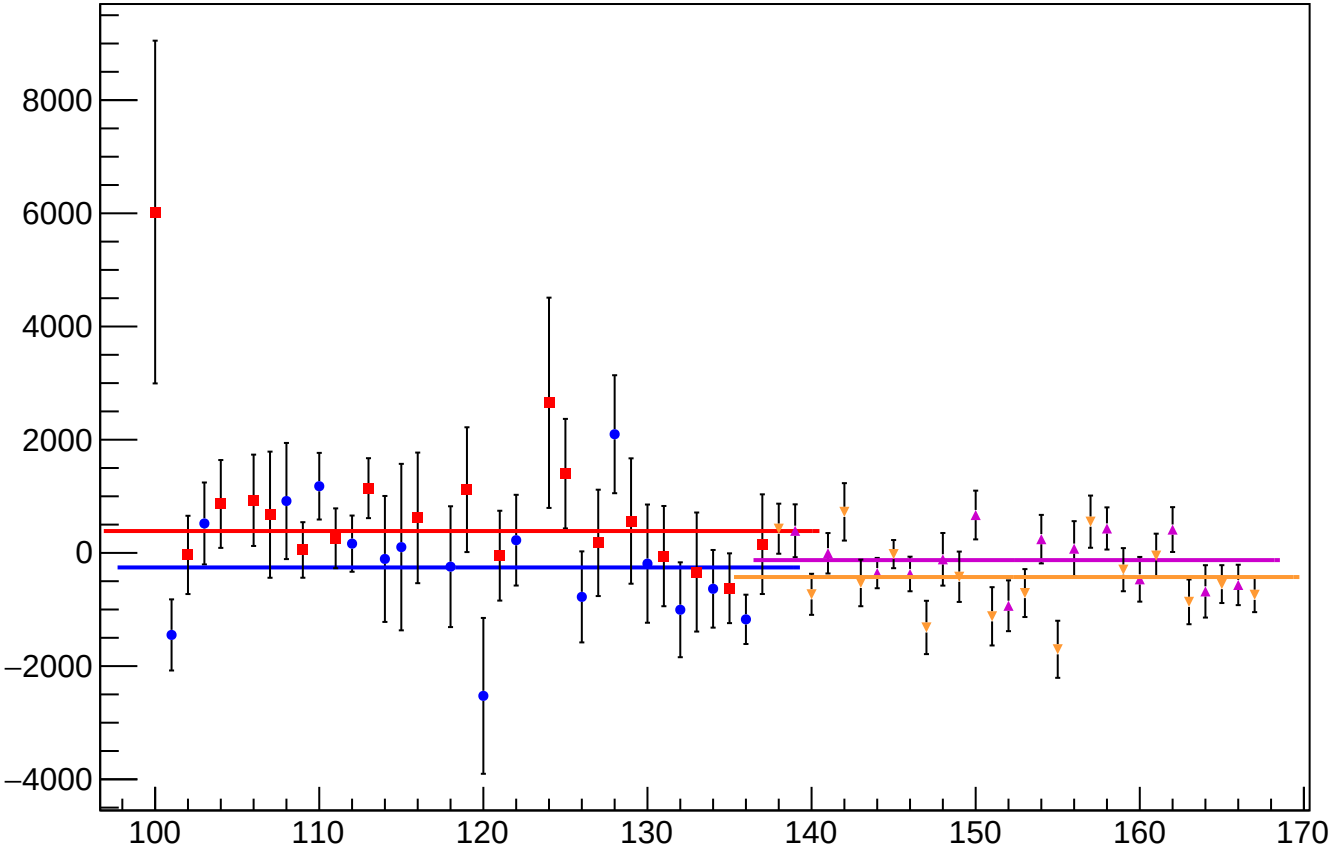
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 367.678+/-0.062 χ^2/NDF:2448635.8/29

Out: 358.974+/-0.059 χ^2/NDF:2974549.7/34

All: 363.084+/-0.043 χ^2/NDF: 5433469.4/64

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -426.260+/-97.258 χ^2/NDF:32.5/15

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -127.234+/-103.002 χ^2/NDF:18.1/13

Left: -285.317+/-70.715 χ^2/NDF: 55.1/29

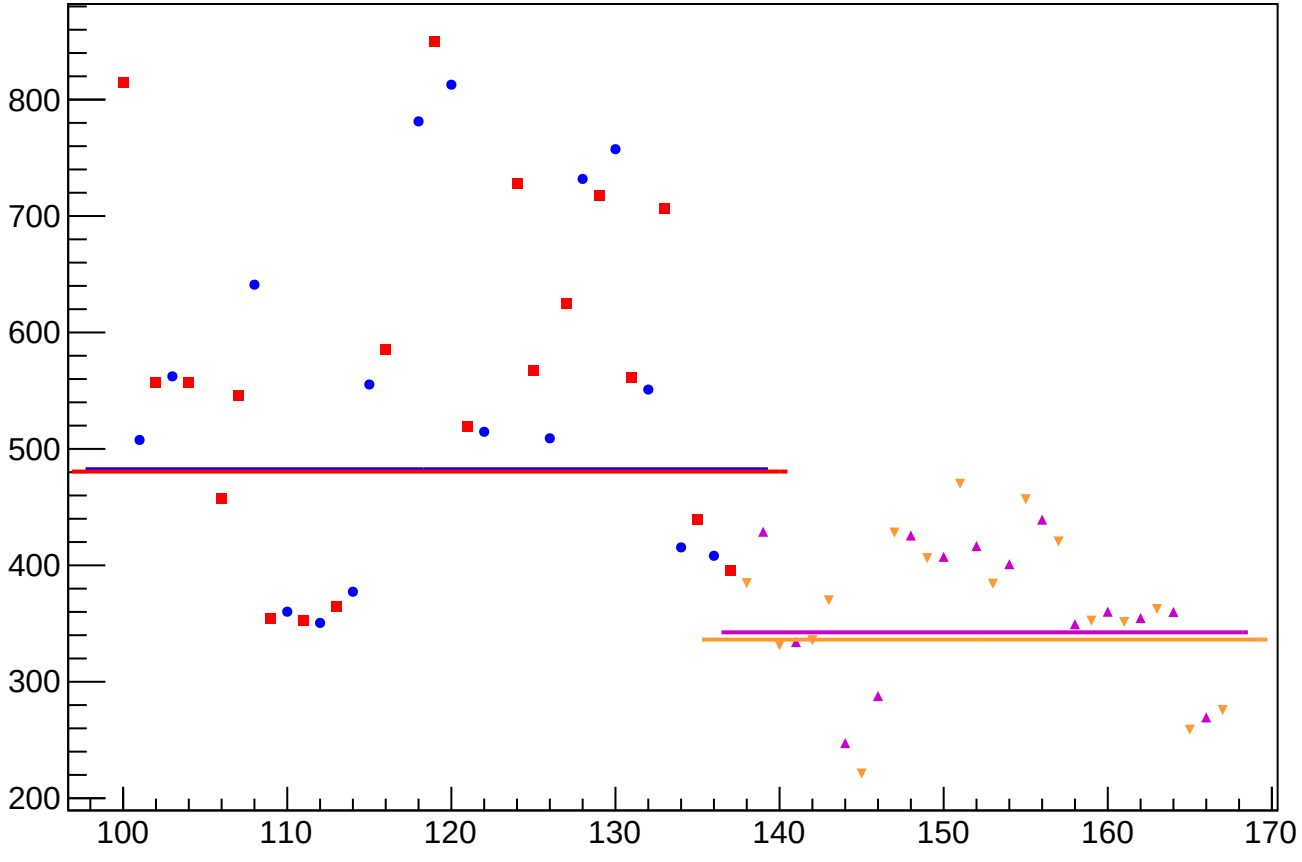
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -157.515+/-90.160 χ^2/NDF:45.4/29

Out: -246.289+/-85.816 χ^2/NDF:62.2/34

All: -204.092+/-62.160 χ^2/NDF: 108.1/64

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 336.235+/-0.069 χ^2/NDF:1133841.3/15

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 342.468+/-0.073 χ^2/NDF:759812.3/13

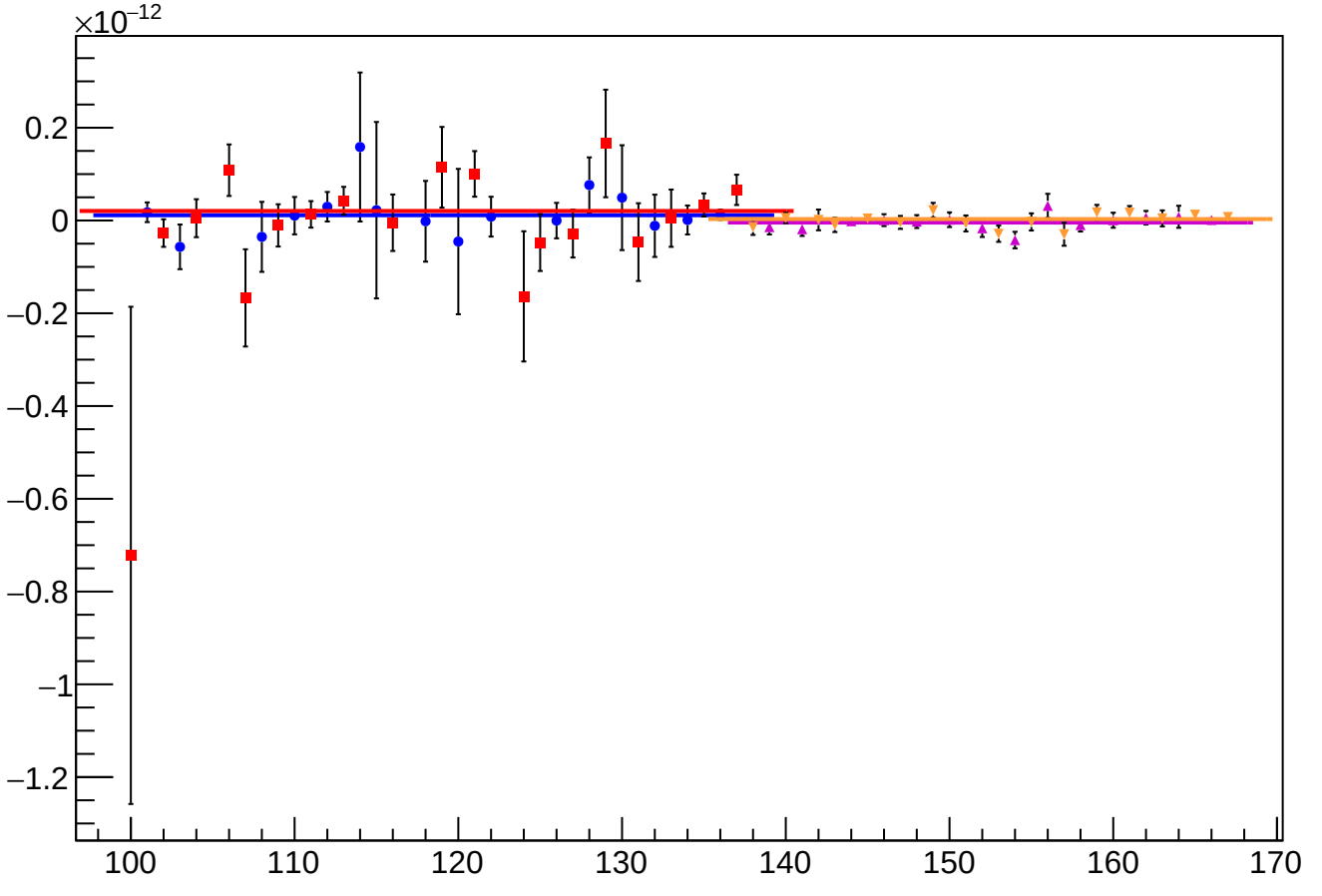
Left: 339.173+/-0.050 χ^2/NDF: 1897525.1/29

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 375.211+/-0.064 χ^2/NDF:2570754.5/29

Out: 368.195+/-0.061 χ^2/NDF:3102906.8/34

All: 371.530+/-0.044 χ^2/NDF: 5680015.0/64



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/13

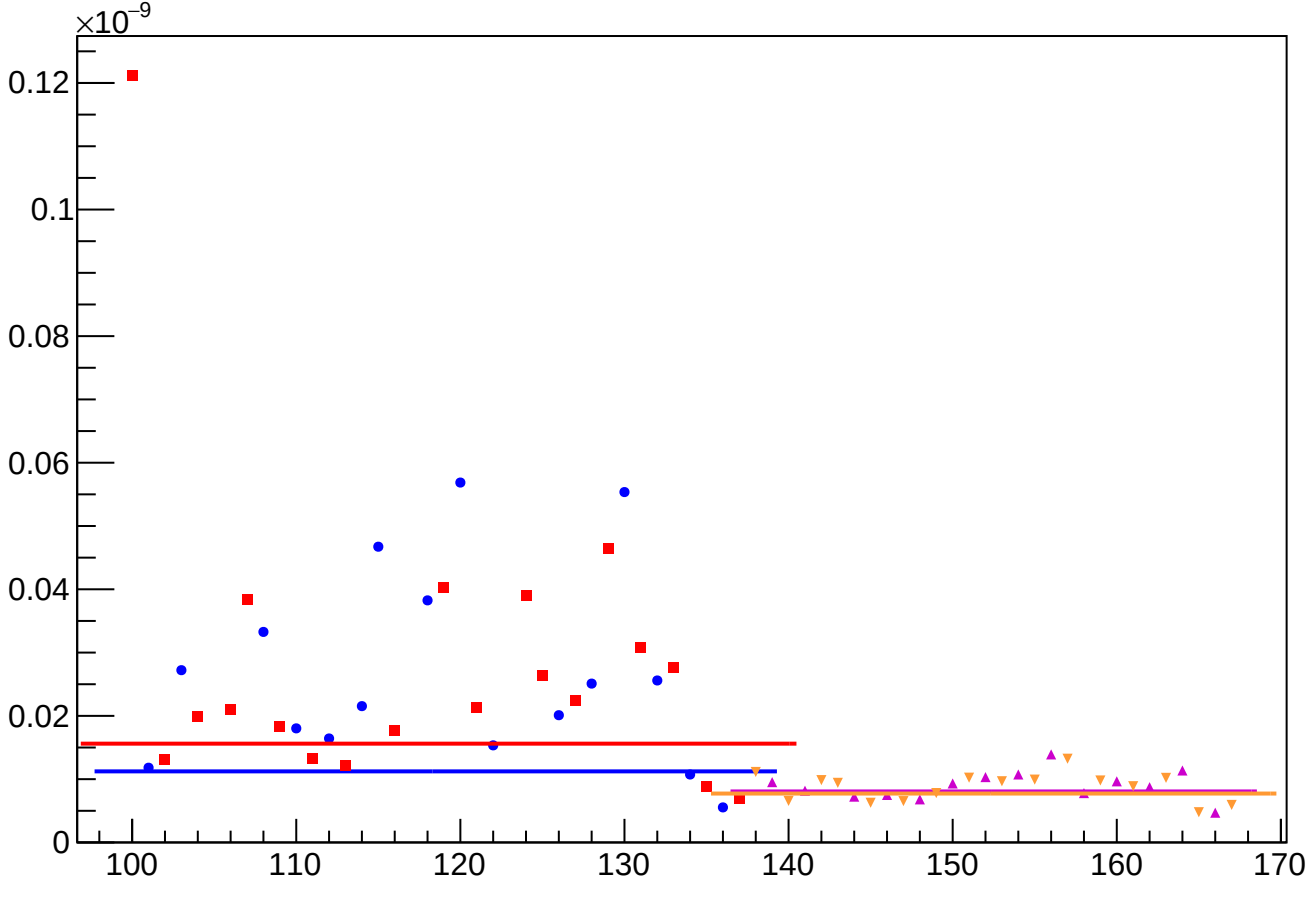
Left: -0.000+/-0.000 χ^2/NDF: 23.5/29

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:18.5/29

Out: 0.000+/-0.000 χ^2/NDF:37.9/34

All: 0.000+/-0.000 χ^2/NDF: 58.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:706572.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:513403.3/13

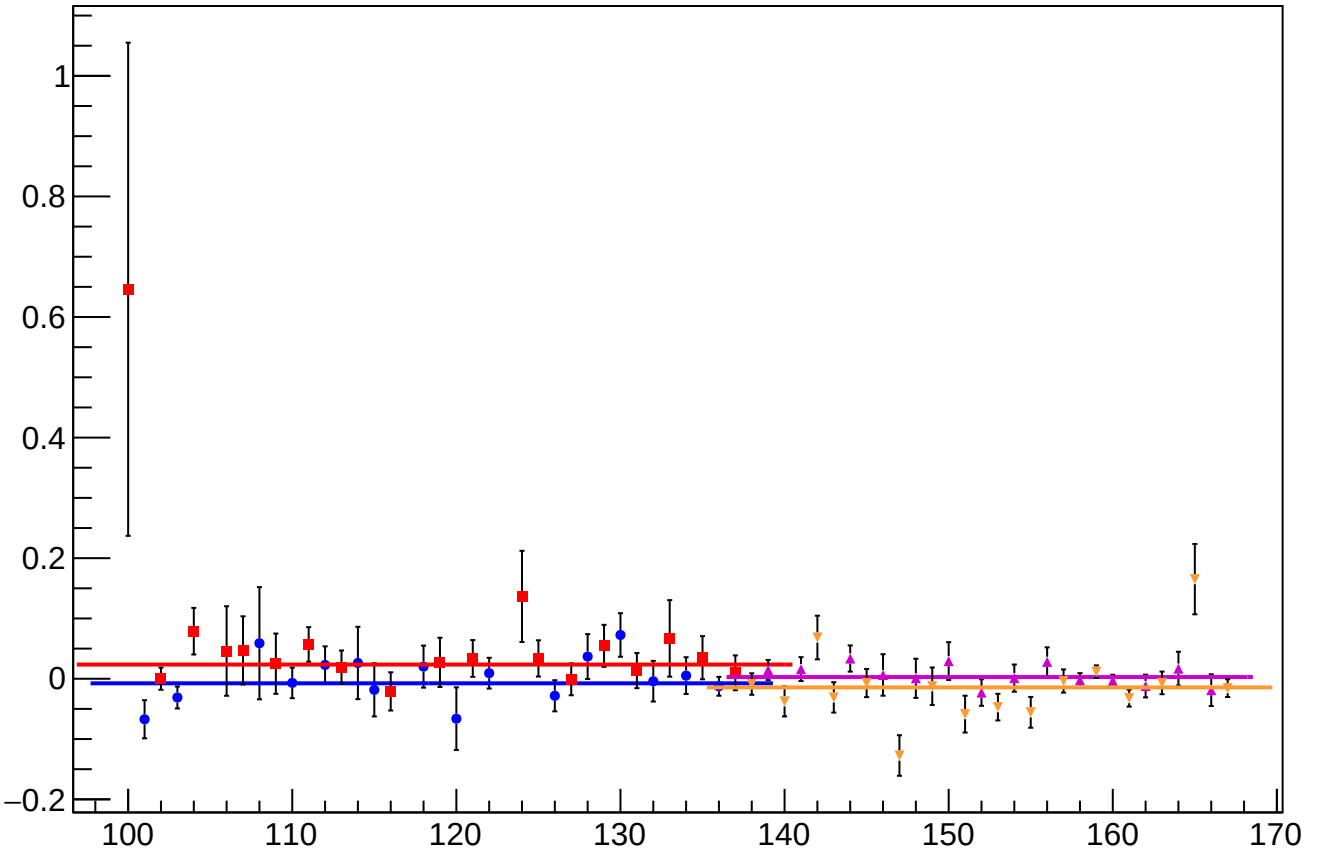
Left: 0.000+/-0.000 χ^2/NDF: 1227910.3/29

Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2870247.8/29

Out: 0.000+/-0.000 χ^2/NDF:2946365.2/34

All: 0.000+/-0.000 χ^2/NDF: 5817611.2/64



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:8.2/13

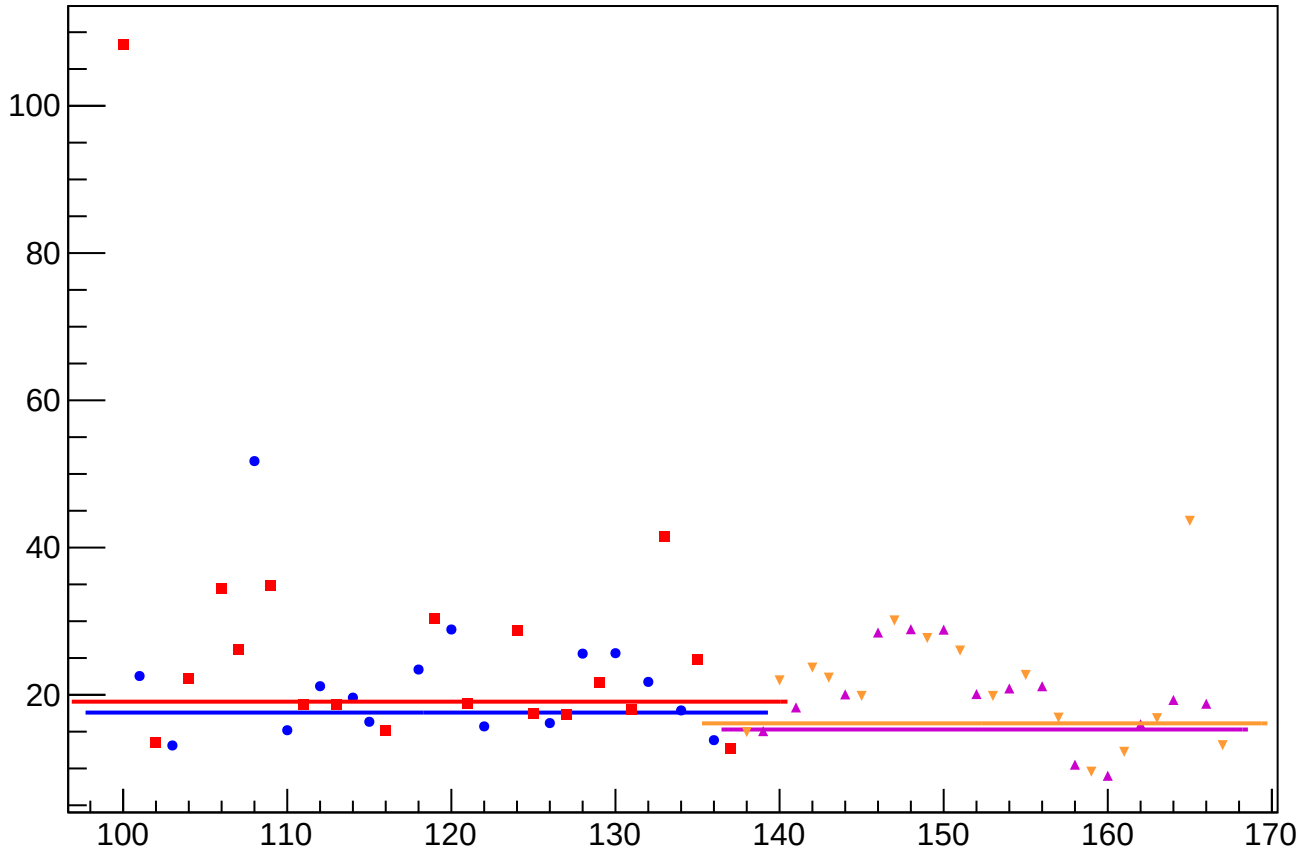
Left: -0.006+/-0.004 χ^2/NDF: 56.8/29

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:26.4/29

Out: -0.003+/-0.004 χ^2/NDF:74.2/34

All: -0.002+/-0.003 χ^2/NDF: 100.8/64



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.125+/-0.004 χ^2/NDF:2869946.5/15

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.290+/-0.004 χ^2/NDF:2704012.1/13

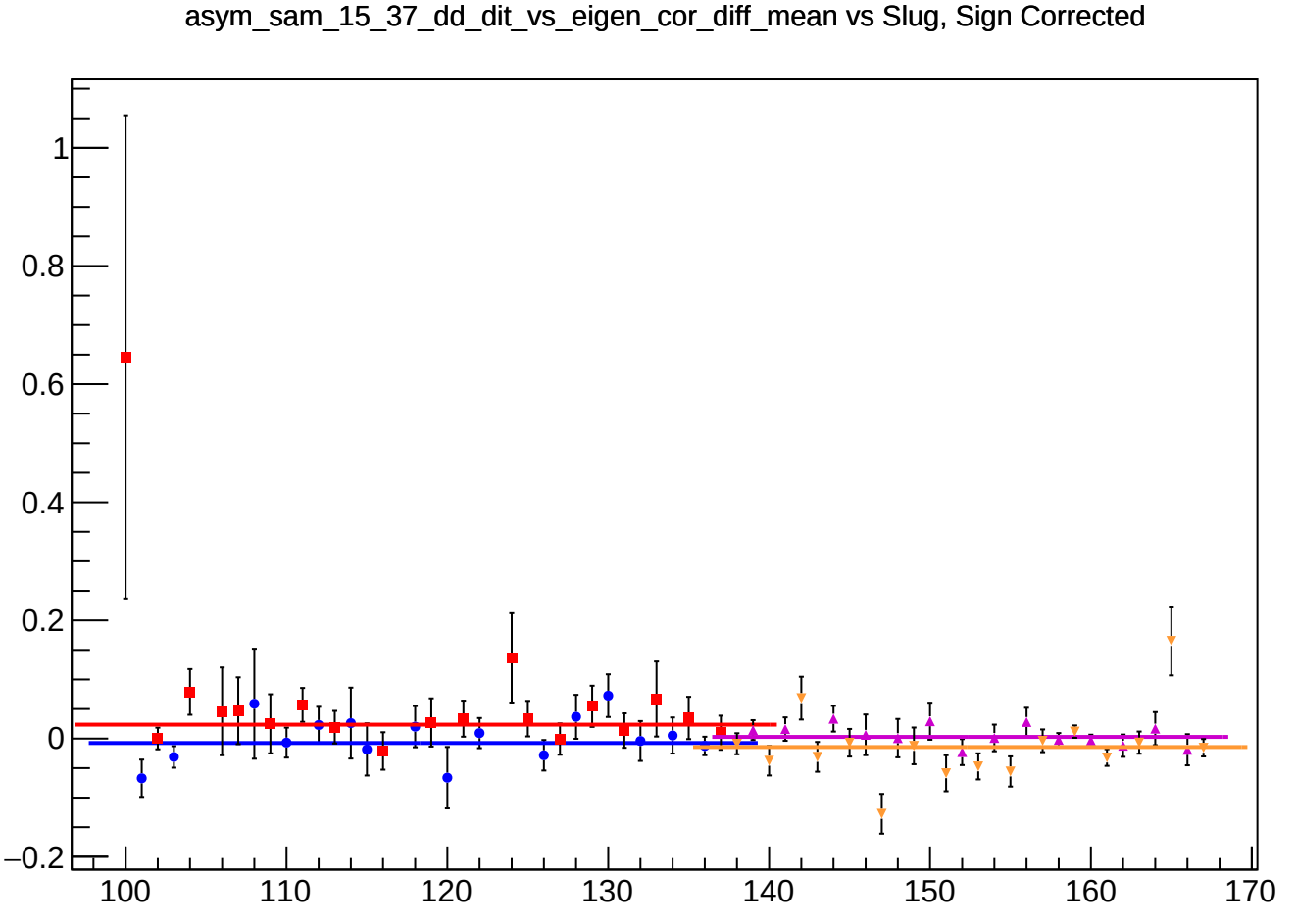
Left: 15.709+/-0.003 χ^2/NDF: 5601804.6/29

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.042+/-0.003 χ^2/NDF:3834797.8/29

Out: 16.991+/-0.003 χ^2/NDF:4322514.4/34

All: 16.507+/-0.002 χ^2/NDF: 8209364.3/64



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:8.2/13

Left: -0.006+/-0.004 χ^2/NDF: 56.8/29

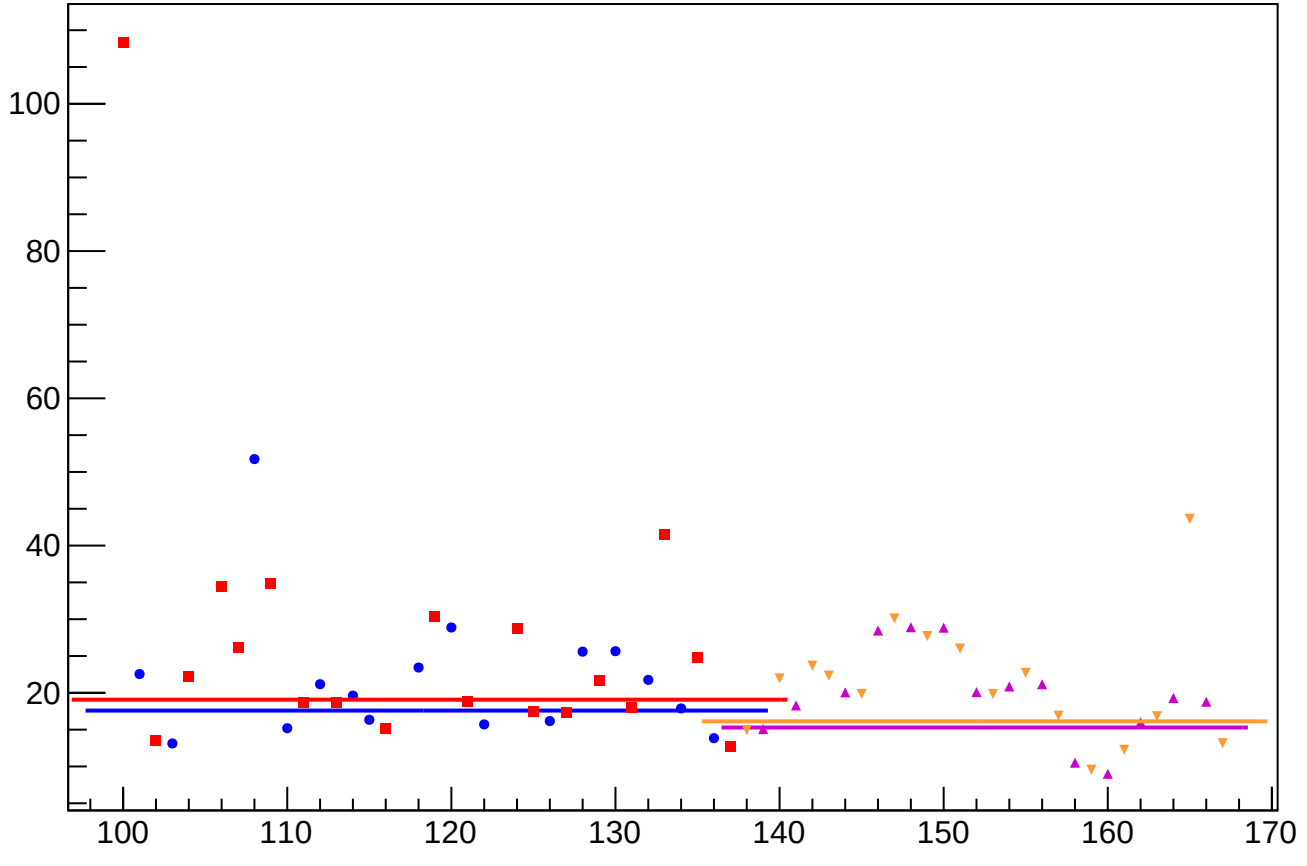
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:26.4/29

Out: -0.003+/-0.004 χ^2/NDF:74.2/34

All: -0.002+/-0.003 χ^2/NDF: 100.8/64

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.125+/-0.004 χ^2/NDF:2869946.5/15

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.290+/-0.004 χ^2/NDF:2704012.1/13

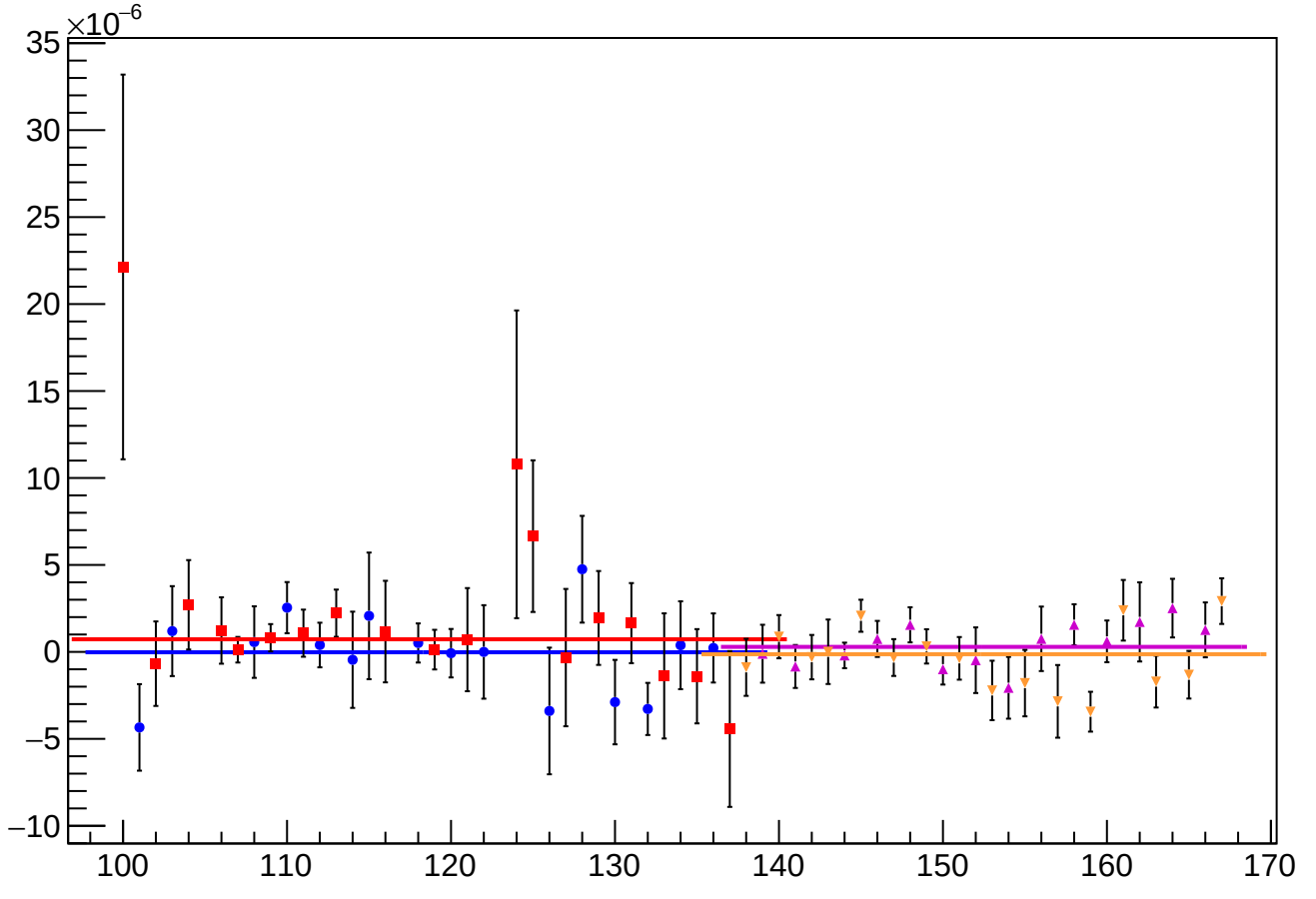
Left: 15.709+/-0.003 χ^2/NDF: 5601804.6/29

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.042+/-0.003 χ^2/NDF:3834797.8/29

Out: 16.991+/-0.003 χ^2/NDF:4322514.4/34

All: 16.507+/-0.002 χ^2/NDF: 8209364.3/64



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/13

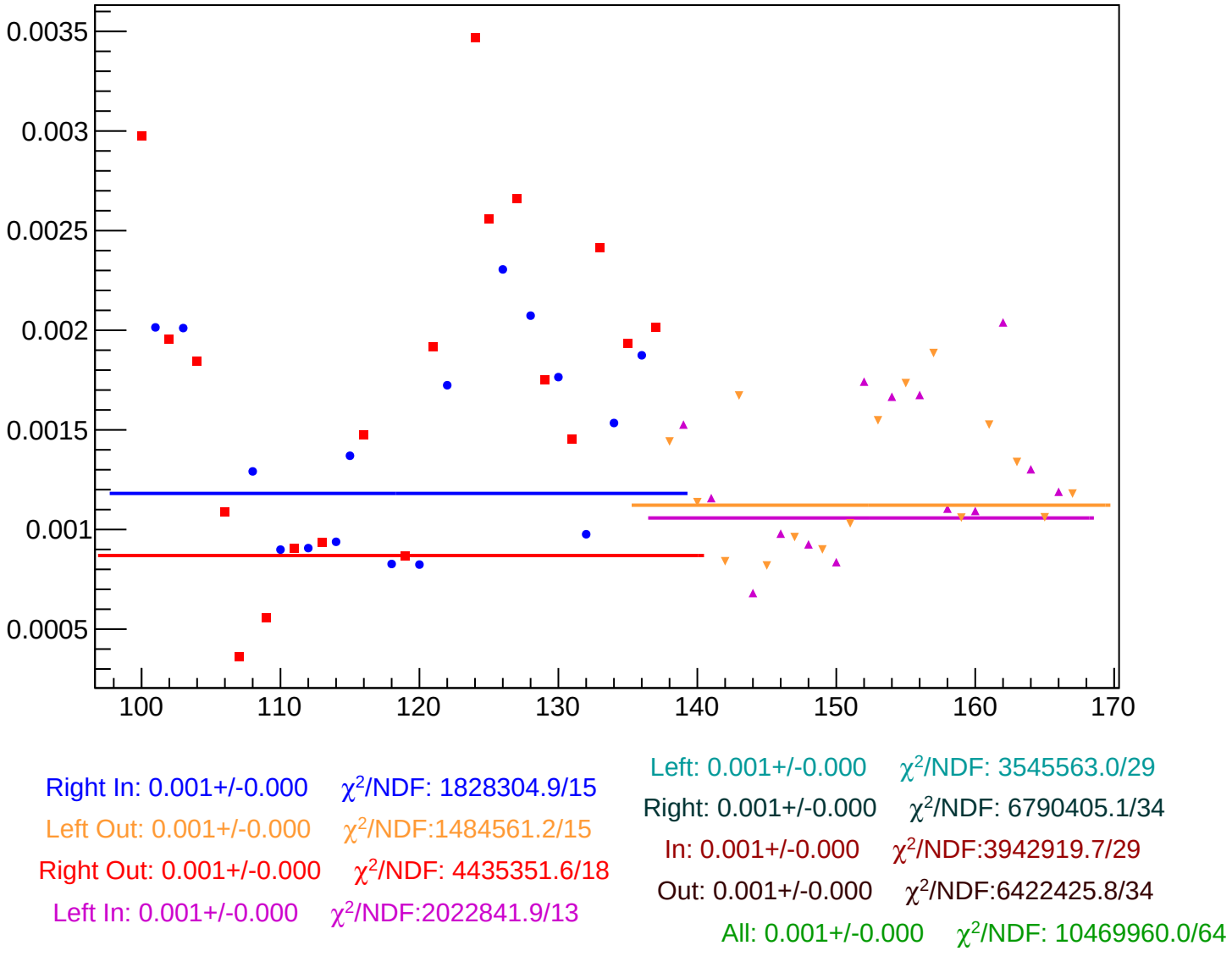
Left: 0.000+/-0.000 χ^2/NDF: 40.3/29

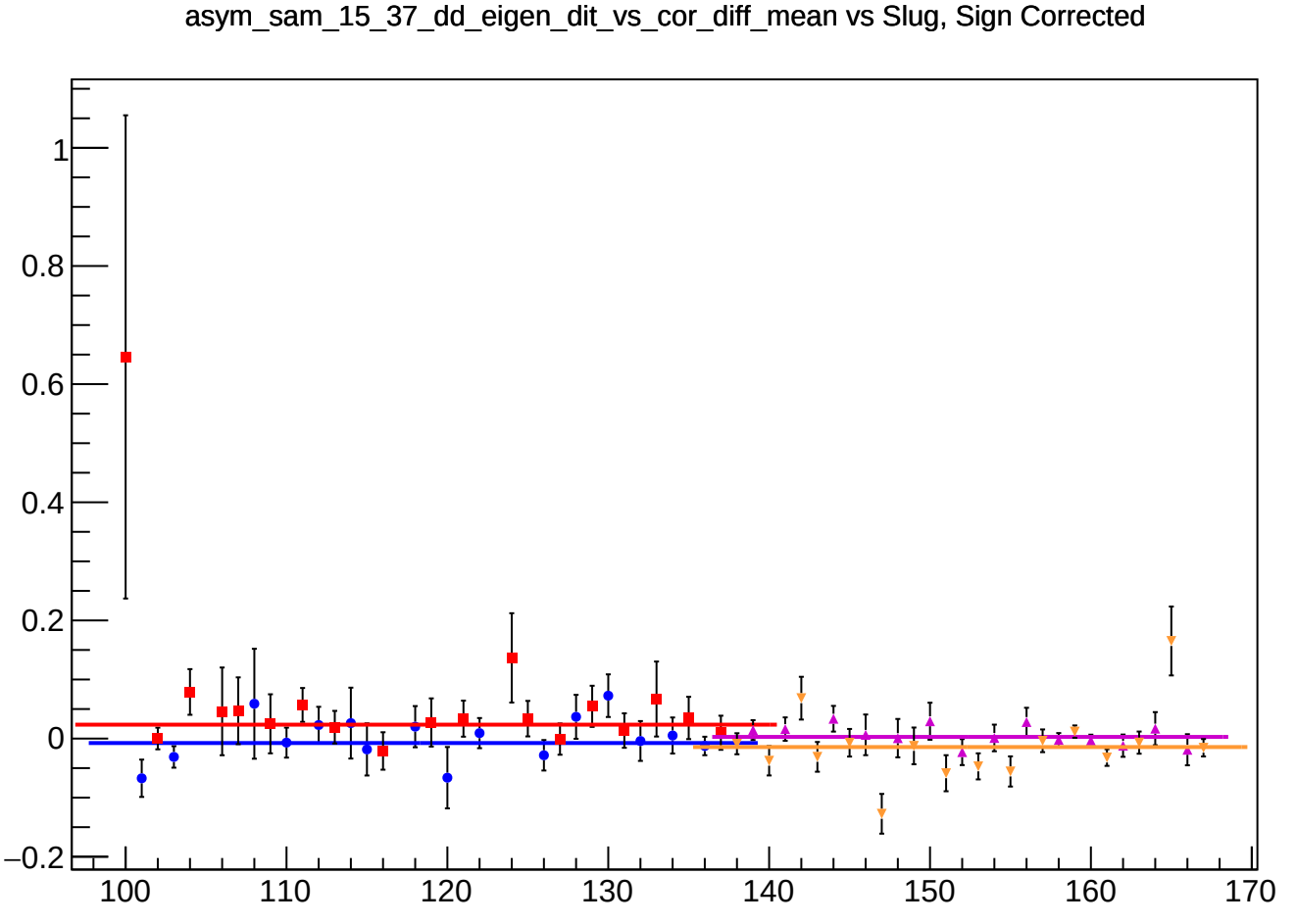
Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:27.7/29

Out: 0.000+/-0.000 χ^2/NDF:44.3/34

All: 0.000+/-0.000 χ^2/NDF: 72.1/64


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1484561.2/15
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2022841.9/13
Left: 0.001+/-0.000 χ²/NDF: 3545563.0/29
Right: 0.001+/-0.000 χ²/NDF: 6790405.1/34
In: 0.001+/-0.000 χ²/NDF:3942919.7/29
Out: 0.001+/-0.000 χ²/NDF:6422425.8/34
All: 0.001+/-0.000 χ²/NDF: 10469960.0/64



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:8.2/13

Left: -0.006+/-0.004 χ^2/NDF: 56.8/29

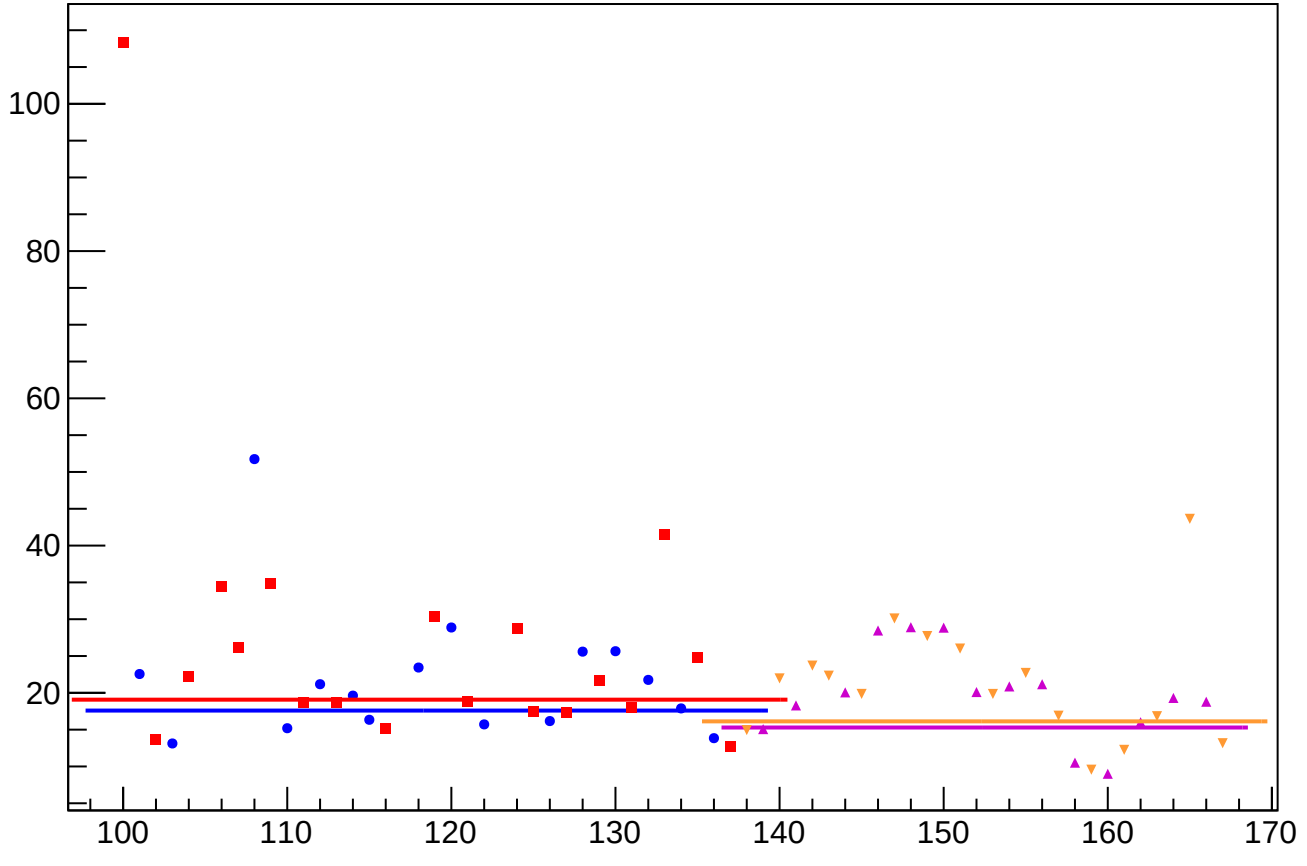
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:26.3/29

Out: -0.003+/-0.004 χ^2/NDF:74.2/34

All: -0.002+/-0.003 χ^2/NDF: 100.8/64

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.125+/-0.004 χ^2/NDF:2870242.1/15

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.289+/-0.004 χ^2/NDF:2704349.3/13

Left: 15.709+/-0.003 χ^2/NDF: 5602446.7/29

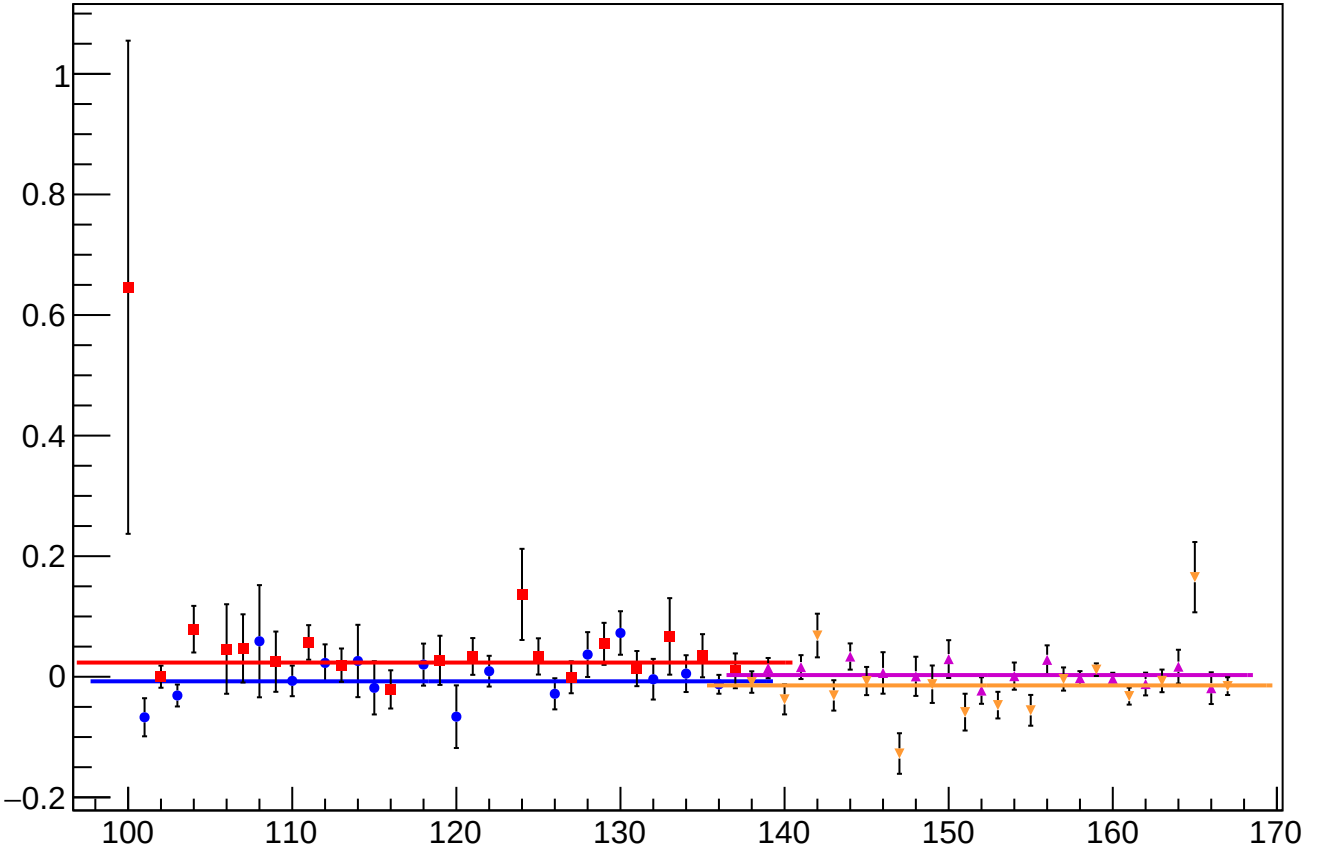
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.042+/-0.003 χ^2/NDF:3835236.8/29

Out: 16.991+/-0.003 χ^2/NDF:4322824.5/34

All: 16.507+/-0.002 χ^2/NDF: 8210130.6/64

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:8.2/13

Left: -0.006+/-0.004 χ^2/NDF: 56.8/29

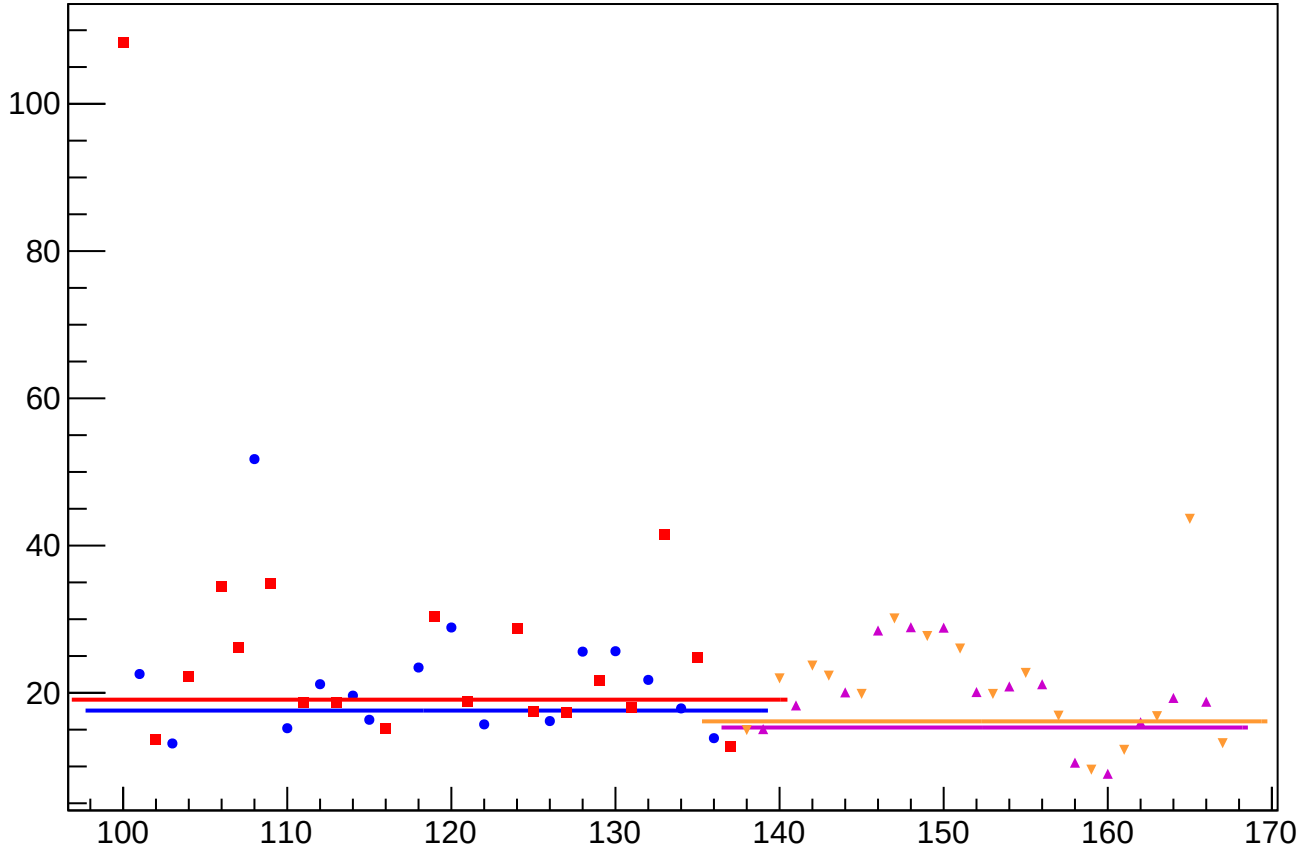
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:26.3/29

Out: -0.003+/-0.004 χ^2/NDF:74.2/34

All: -0.002+/-0.003 χ^2/NDF: 100.8/64

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.125+/-0.004 χ^2/NDF:2870242.1/15

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.289+/-0.004 χ^2/NDF:2704349.3/13

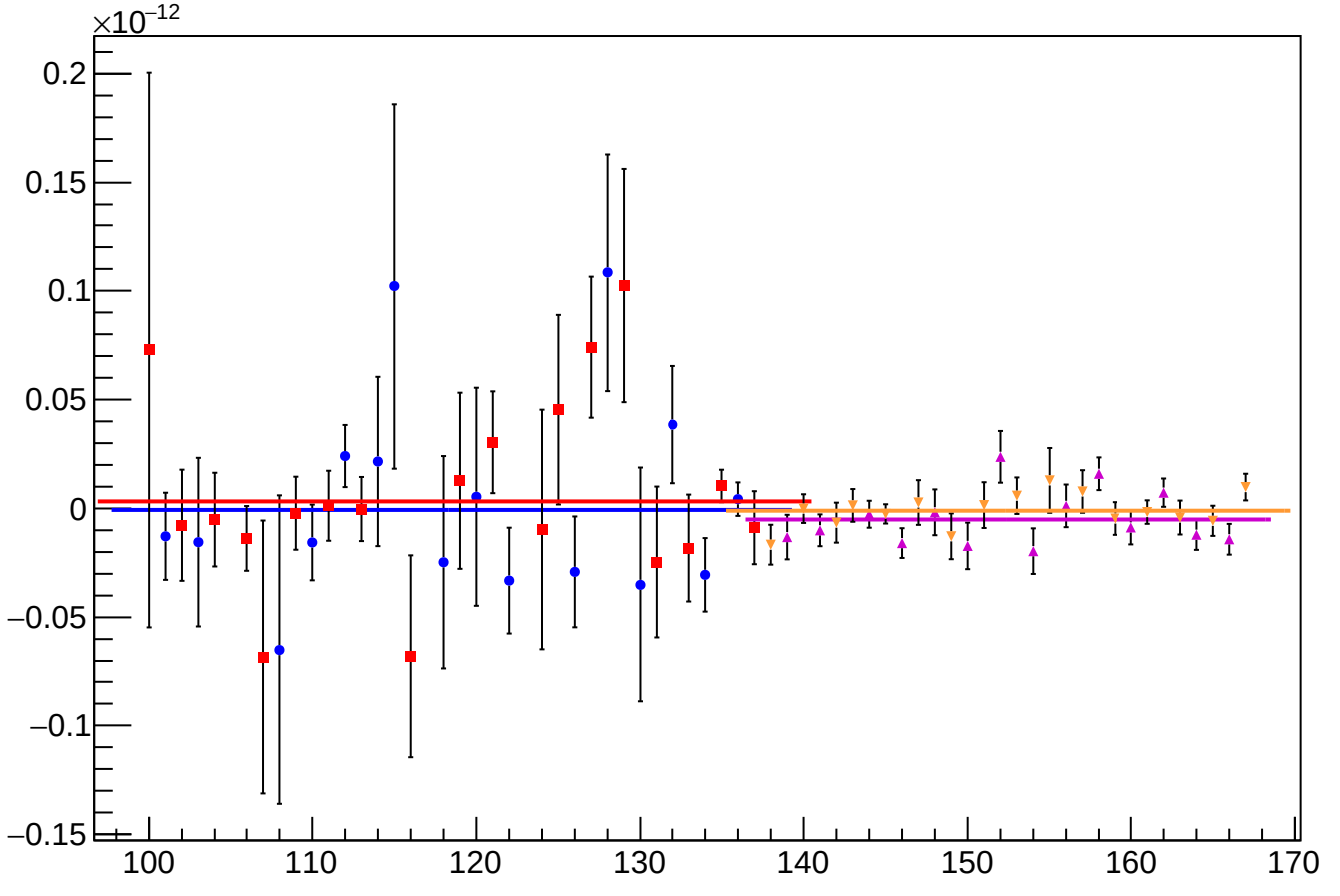
Left: 15.709+/-0.003 χ^2/NDF: 5602446.7/29

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.042+/-0.003 χ^2/NDF:3835236.8/29

Out: 16.991+/-0.003 χ^2/NDF:4322824.5/34

All: 16.507+/-0.002 χ^2/NDF: 8210130.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:27.6/13

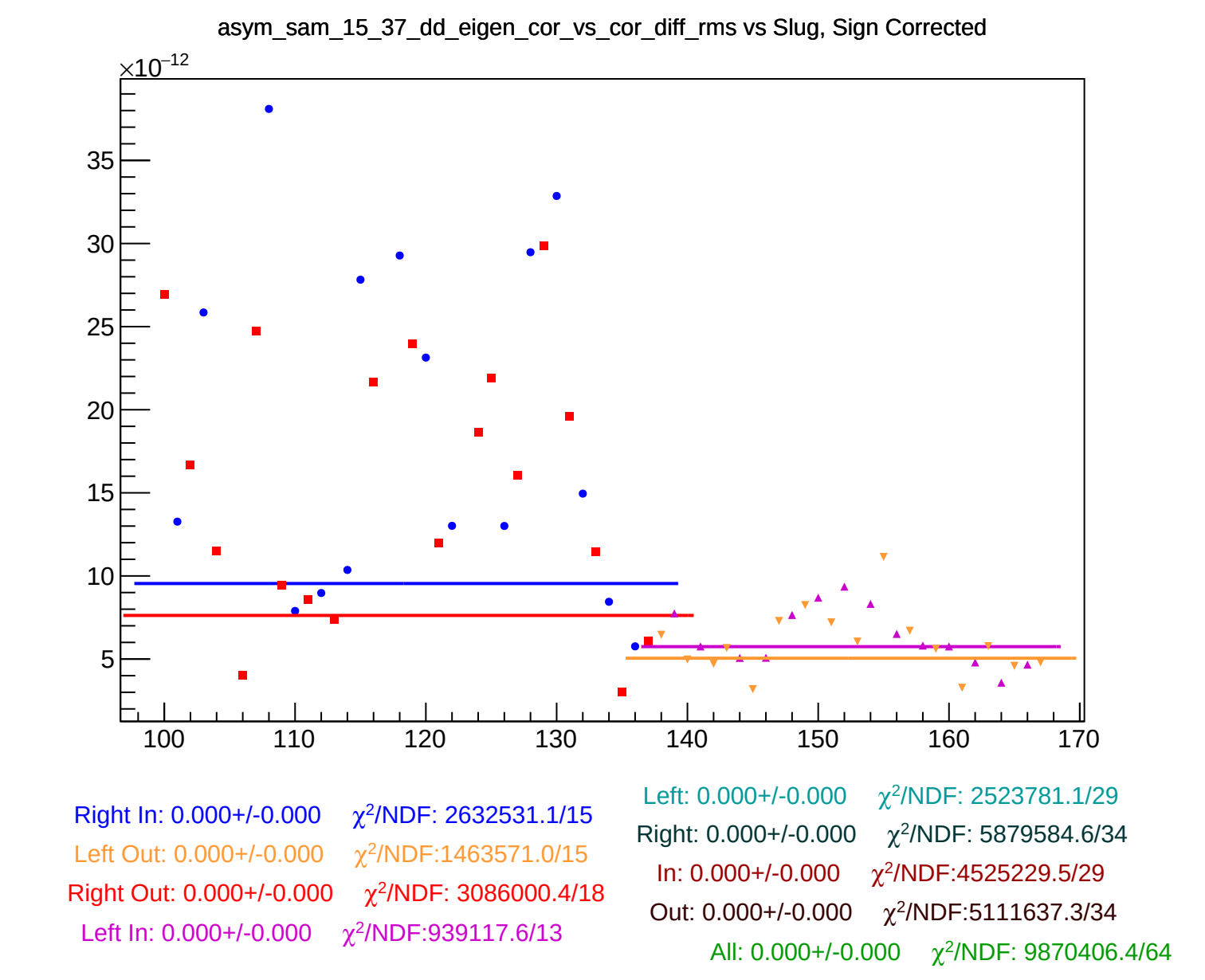
Left: -0.000+/-0.000 χ^2/NDF: 41.0/29

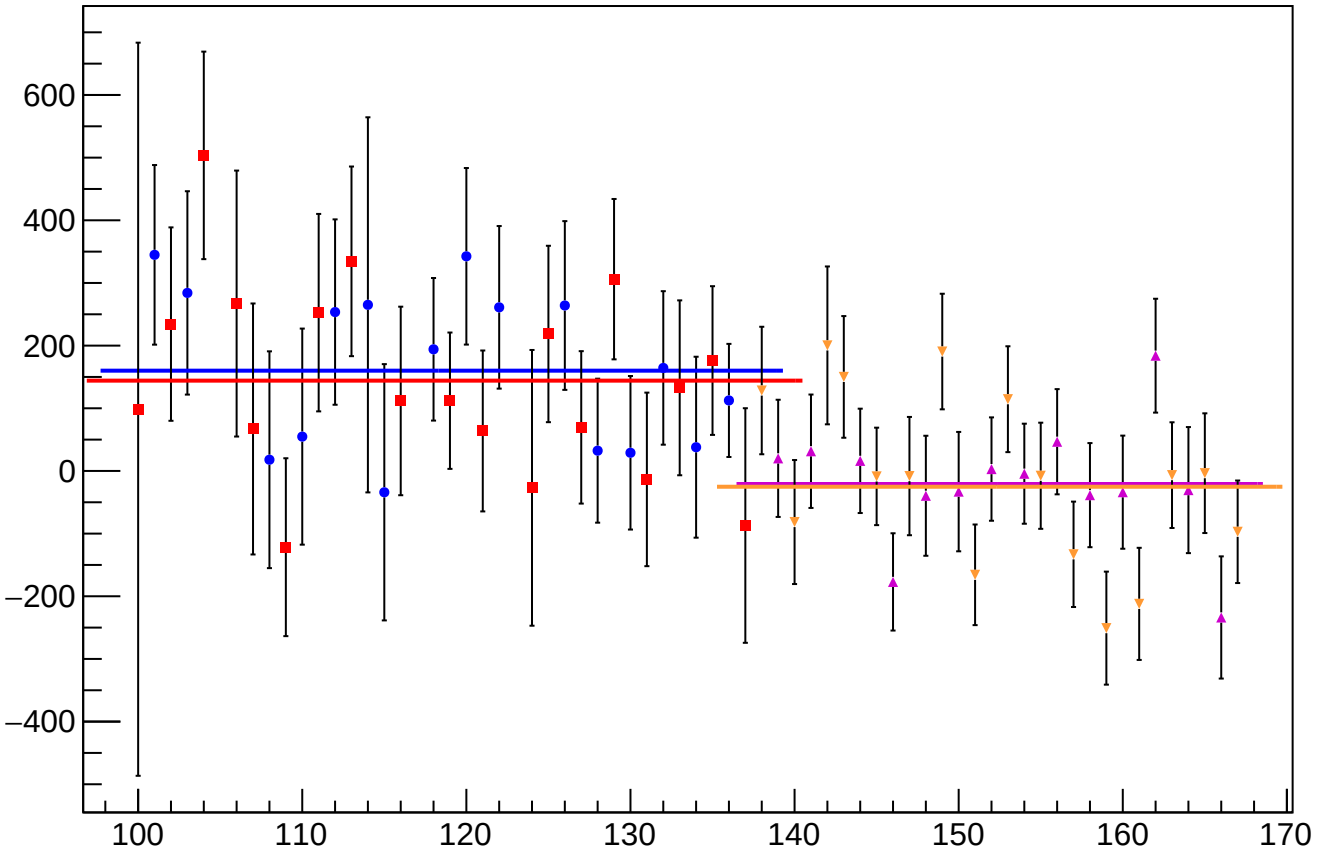
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:48.5/29

Out: -0.000+/-0.000 χ^2/NDF:31.3/34

All: -0.000+/-0.000 χ^2/NDF: 82.1/64


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1463571.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:939117.6/13
Left: 0.000+/-0.000 χ²/NDF: 2523781.1/29
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:4525229.5/29
Out: 0.000+/-0.000 χ²/NDF:5111637.3/34
All: 0.000+/-0.000 χ²/NDF: 9870406.4/64



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.207+/-22.436 χ^2/NDF:33.6/15

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -20.839+/-23.541 χ^2/NDF:15.5/13

Left: -23.128+/-16.241 χ^2/NDF: 49.1/29

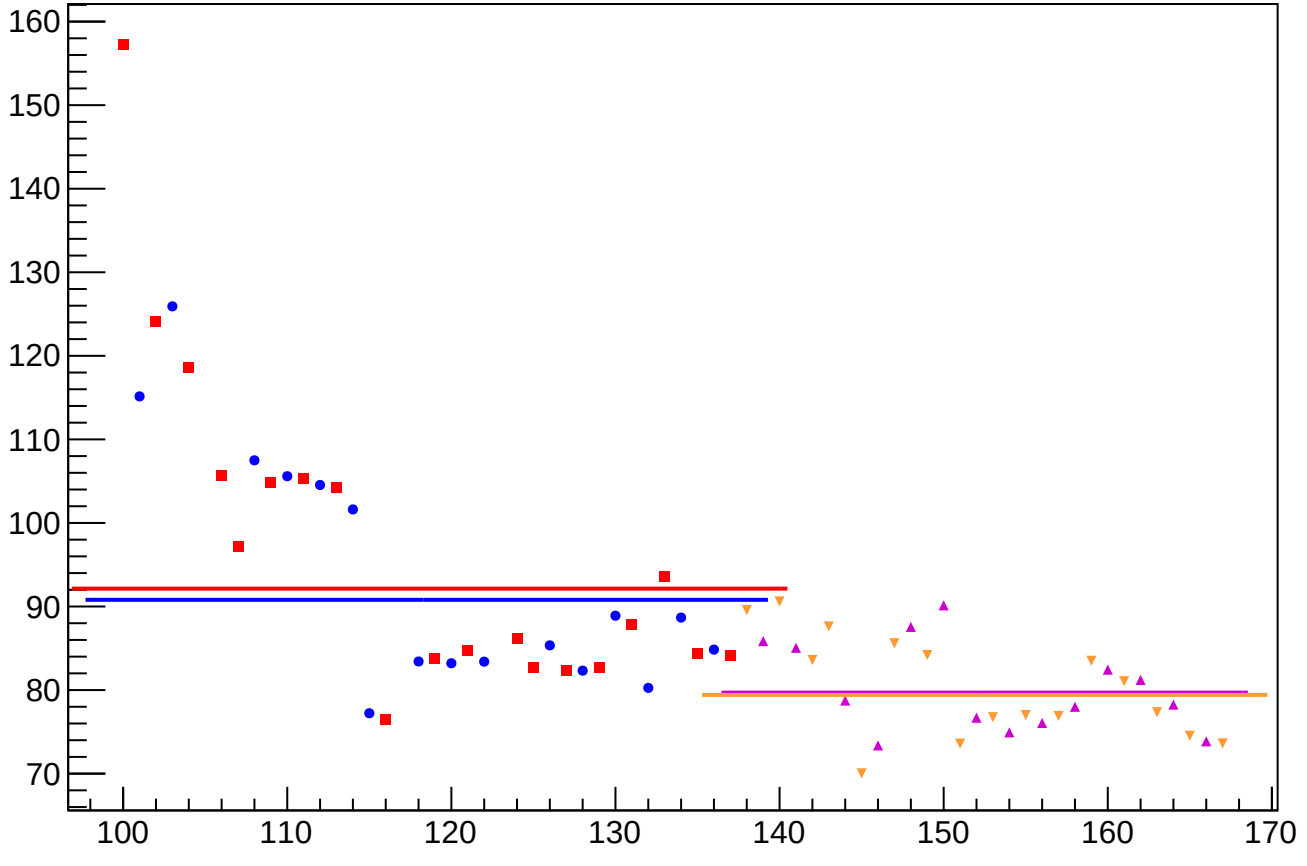
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 37.377+/-19.386 χ^2/NDF:45.6/29

Out: 25.711+/-18.762 χ^2/NDF:68.1/34

All: 31.353+/-13.482 χ^2/NDF: 113.9/64

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 79.421+/-0.016 χ^2/NDF:142195.3/15

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 79.696+/-0.017 χ^2/NDF:91053.4/13

Left: 79.552+/-0.011 χ^2/NDF: 233392.2/29

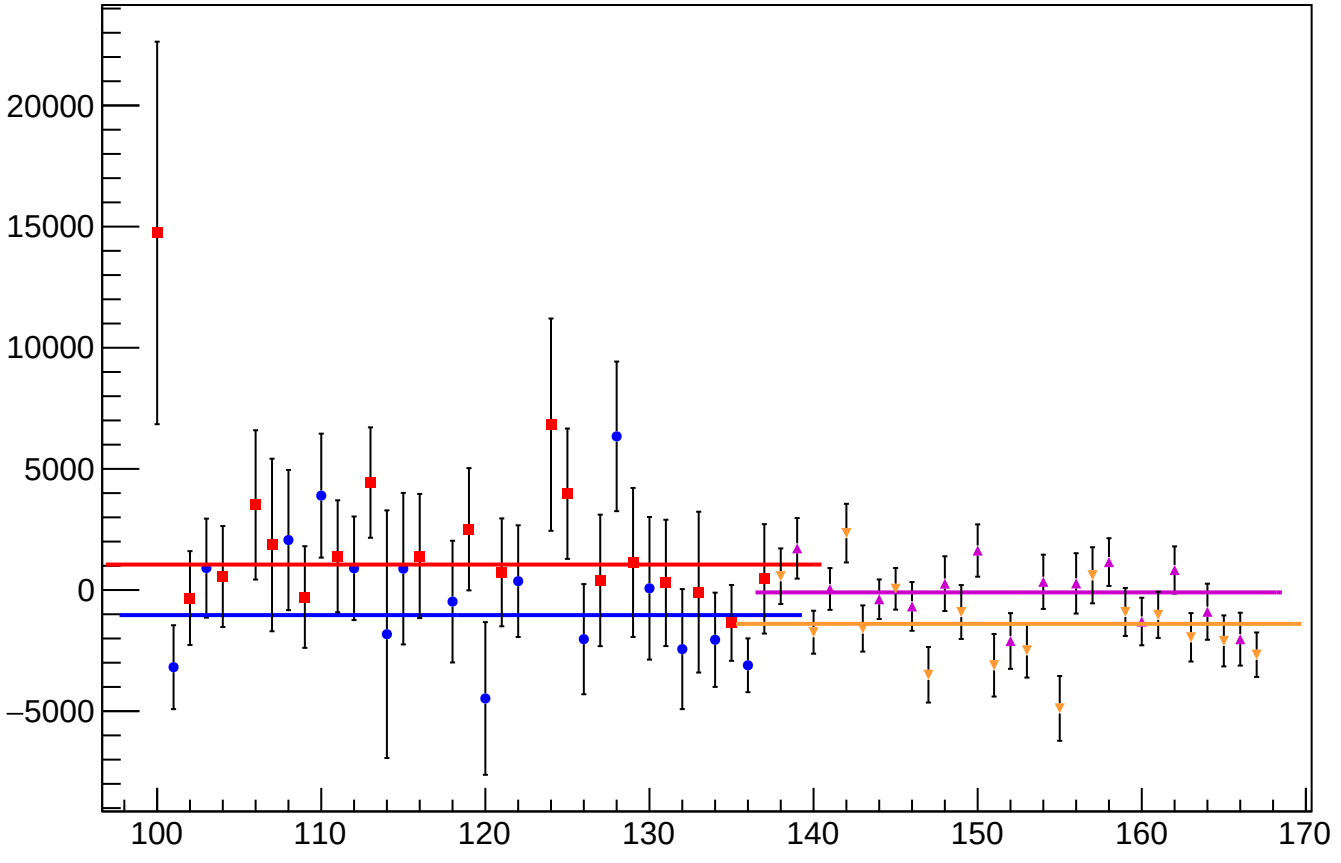
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 83.271+/-0.014 χ^2/NDF:507070.2/29

Out: 83.246+/-0.013 χ^2/NDF:637554.0/34

All: 83.258+/-0.010 χ^2/NDF: 1144625.9/64

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1395.545+/-261.342 χ^2/NDF:34.7/15

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: -97.649+/-277.136 χ^2/NDF:16.2/13

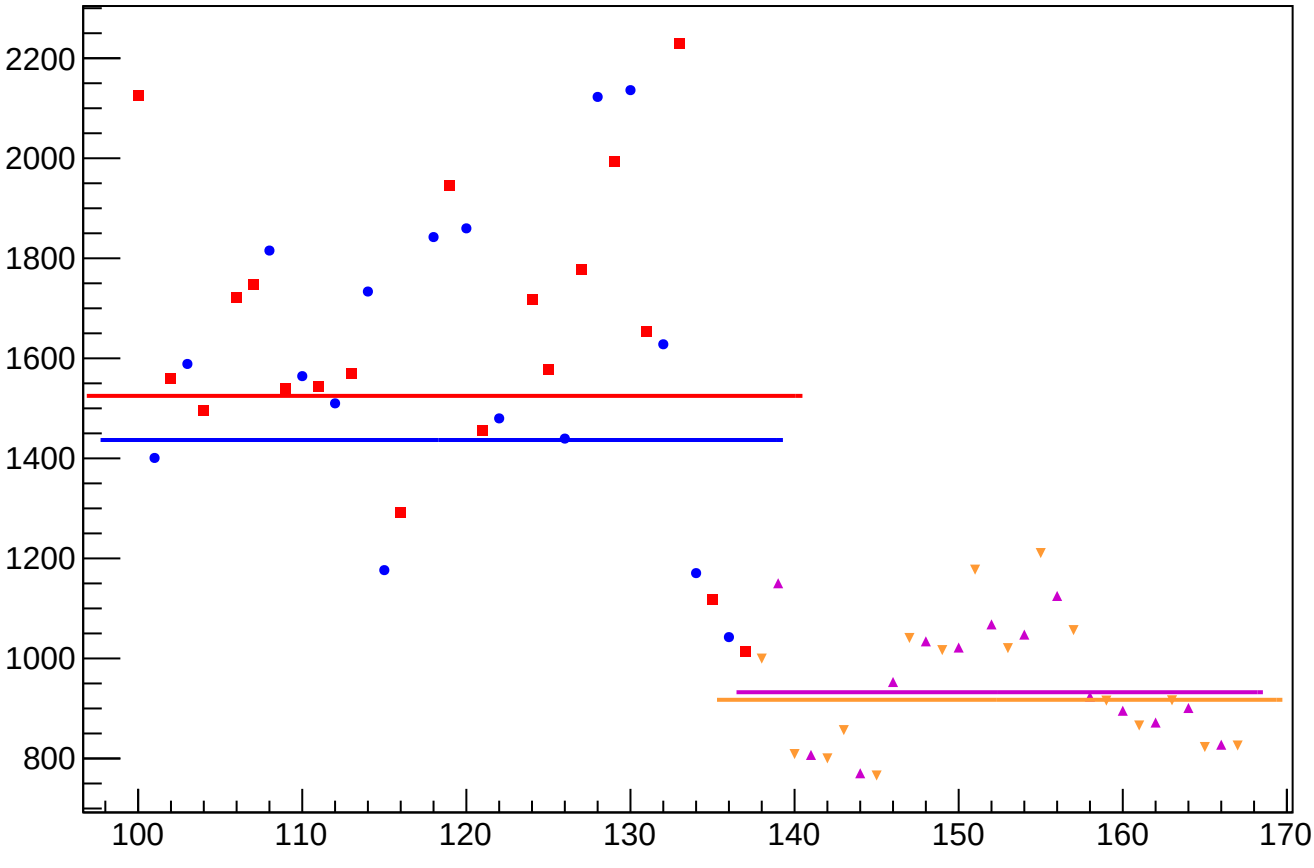
Left: -784.632+/-190.135 χ^2/NDF: 62.5/29

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -287.344+/-247.511 χ^2/NDF:38.7/29

Out: -969.168+/-237.485 χ^2/NDF:62.8/34

All: -642.345+/-171.362 χ^2/NDF: 105.5/64



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 917.334+/-0.185 χ^2/NDF:433359.0/15

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 932.476+/-0.196 χ^2/NDF:339802.6/13

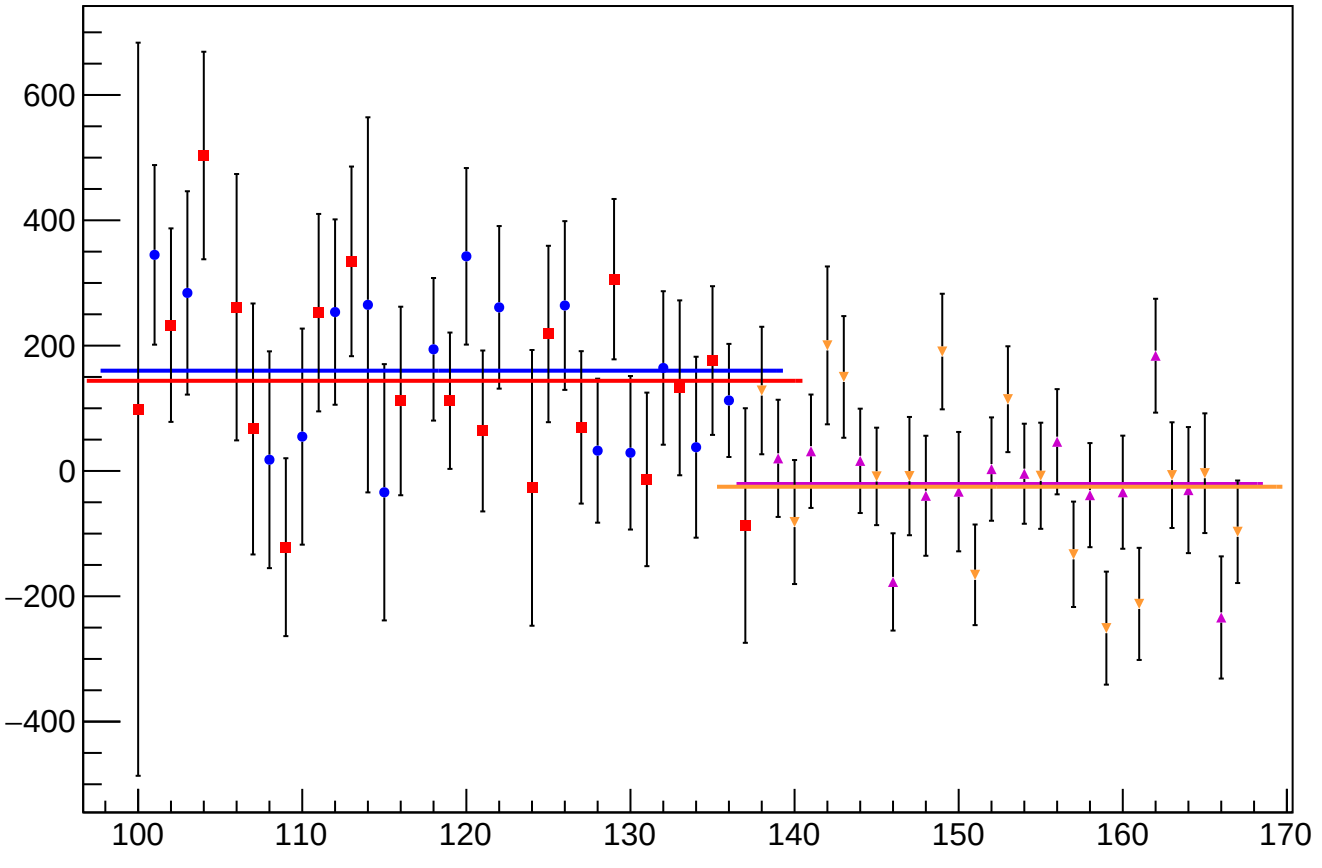
Left: 924.461+/-0.134 χ^2/NDF: 776321.7/29

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1034.521+/-0.175 χ^2/NDF:2355423.1/29

Out: 1023.206+/-0.168 χ^2/NDF:2821681.5/34

All: 1028.629+/-0.121 χ^2/NDF: 5179280.7/64



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.203+/-22.436 χ^2/NDF:33.6/15

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -20.839+/-23.541 χ^2/NDF:15.5/13

Left: -23.126+/-16.241 χ^2/NDF: 49.1/29

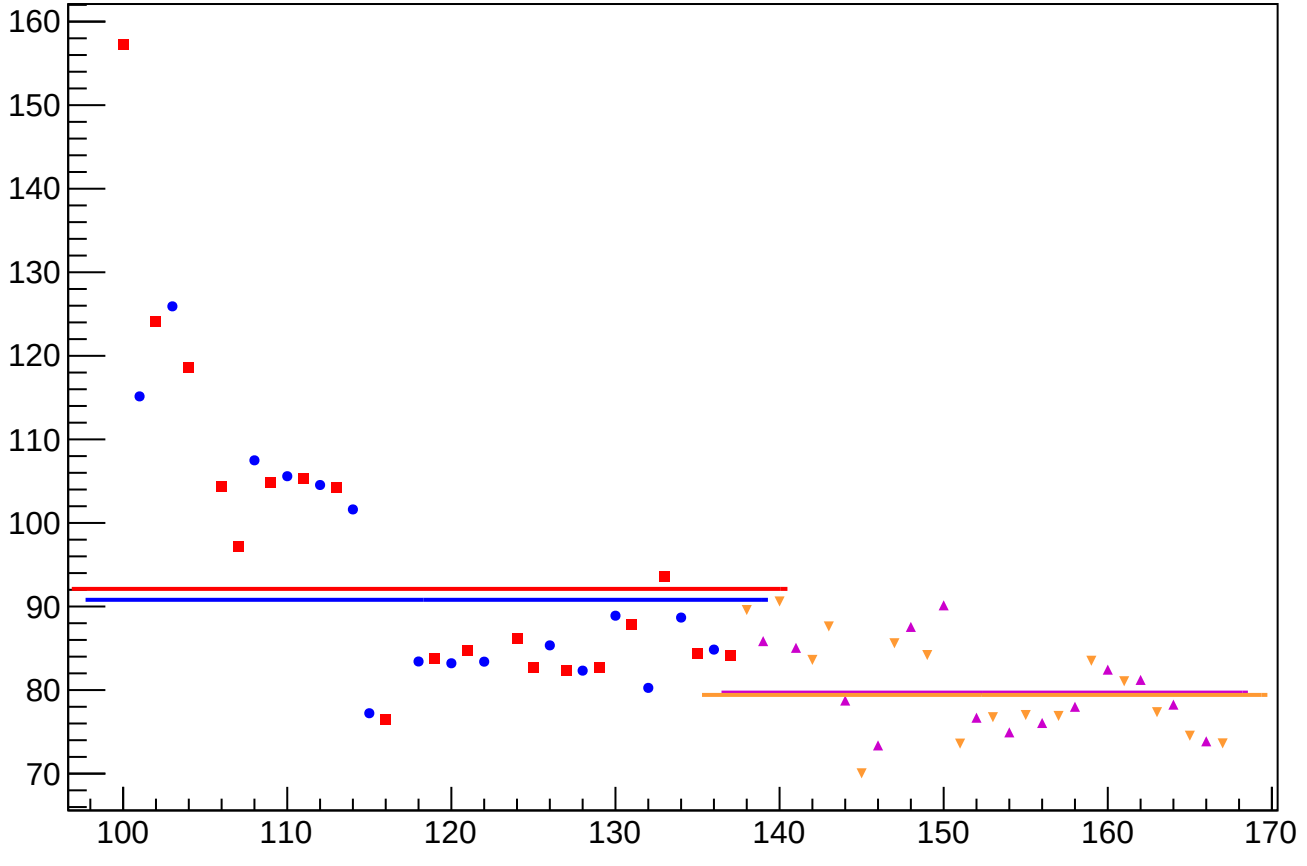
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 37.375+/-19.386 χ^2/NDF:45.6/29

Out: 25.633+/-18.762 χ^2/NDF:68.0/34

All: 31.312+/-13.482 χ^2/NDF: 113.8/64

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.421+/-0.016 χ^2/NDF:142195.3/15

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.696+/-0.017 χ^2/NDF:91053.4/13

Left: 79.552+/-0.011 χ^2/NDF: 233392.2/29

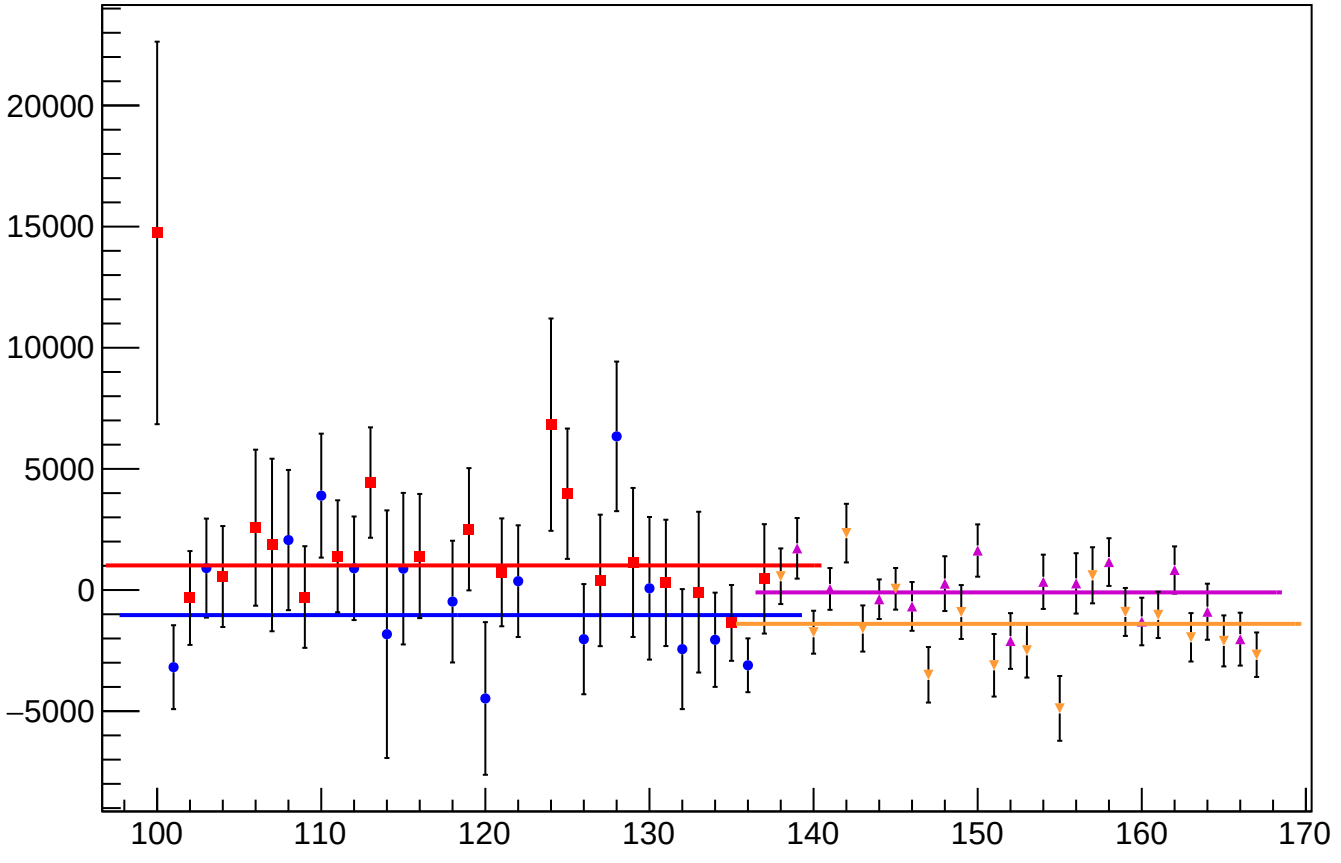
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 83.271+/-0.014 χ^2/NDF:507072.1/29

Out: 83.236+/-0.013 χ^2/NDF:635268.6/34

All: 83.253+/-0.010 χ^2/NDF: 1142344.1/64

asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1395.539+/-261.342 χ^2/NDF:34.7/15

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -97.646+/-277.136 χ^2/NDF:16.2/13

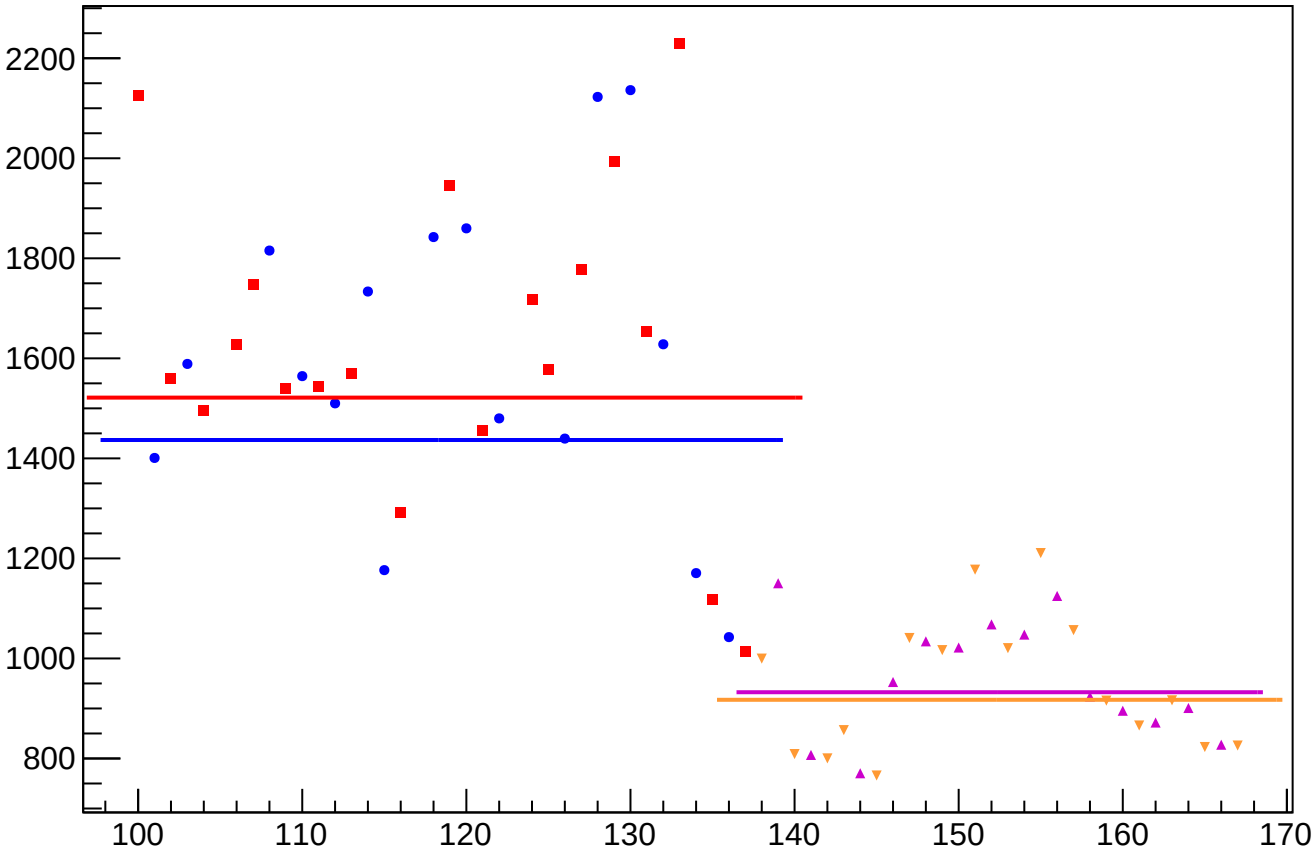
Left: -784.628+/-190.135 χ^2/NDF: 62.5/29

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -287.336+/-247.512 χ^2/NDF:38.7/29

Out: -976.479+/-237.546 χ^2/NDF:61.9/34

All: -646.060+/-171.385 χ^2/NDF: 104.7/64



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 917.334+/-0.185 χ^2/NDF:433360.1/15

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 932.476+/-0.196 χ^2/NDF:339802.9/13

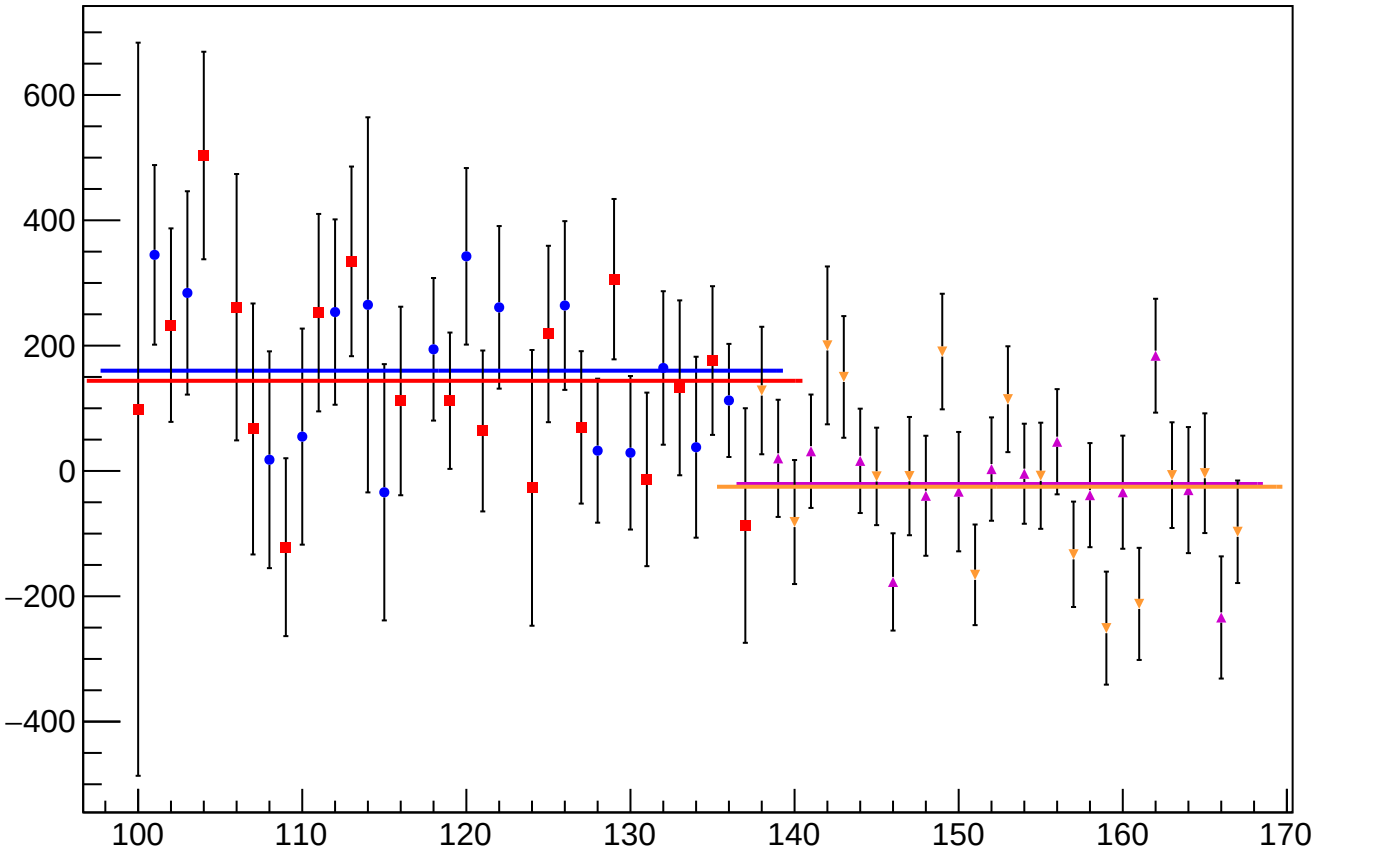
Left: 924.461+/-0.134 χ^2/NDF: 776323.1/29

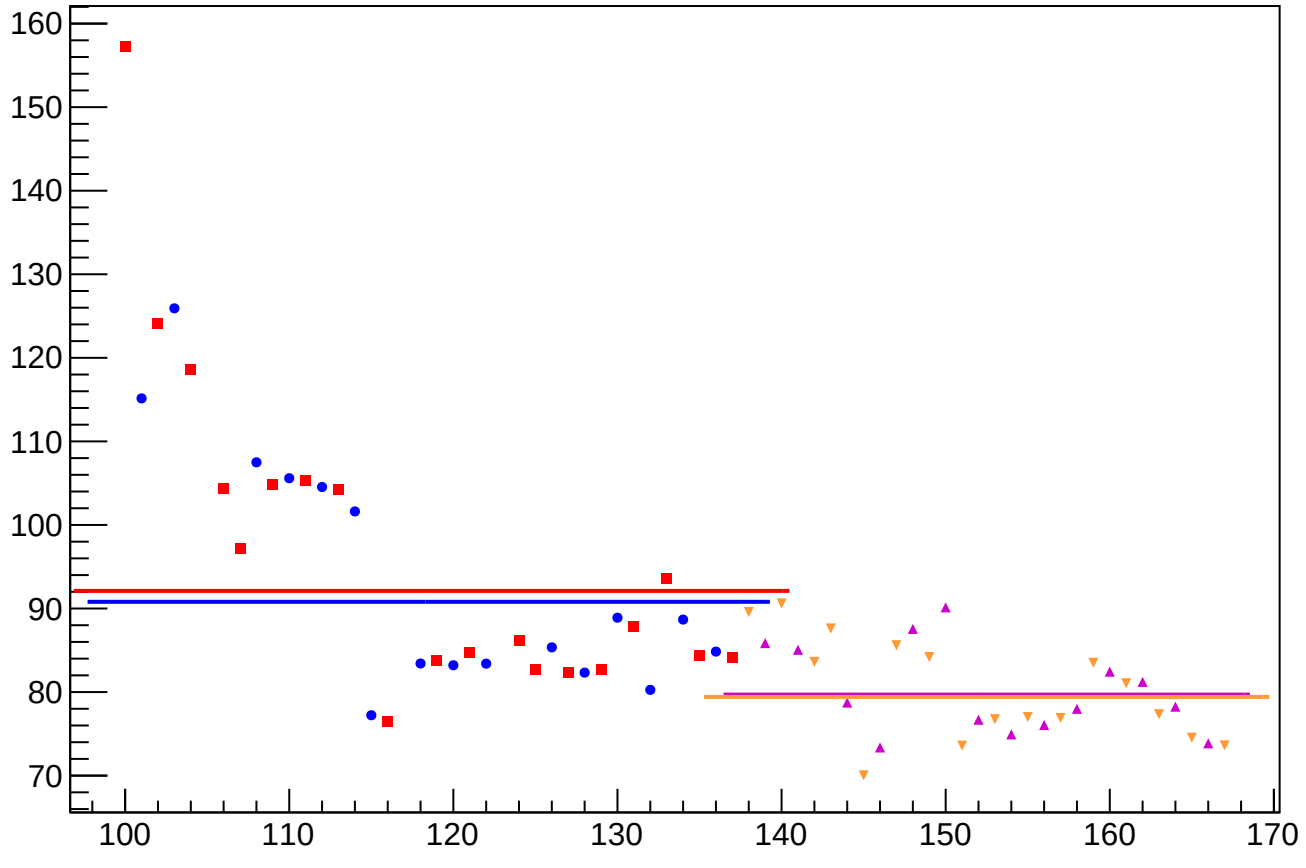
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1034.521+/-0.175 χ^2/NDF:2355444.2/29

Out: 1022.347+/-0.168 χ^2/NDF:2789573.7/34

All: 1028.184+/-0.121 χ^2/NDF: 5147536.2/64


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: -25.203+/-22.436 χ²/NDF:33.6/15
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -20.839+/-23.541 χ²/NDF:15.5/13
Left: -23.126+/-16.241 χ²/NDF: 49.1/29
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 37.375+/-19.386 χ²/NDF:45.6/29
Out: 25.633+/-18.762 χ²/NDF:68.0/34
All: 31.312+/-13.482 χ²/NDF: 113.8/64



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.421+/-0.016 χ^2/NDF:142195.3/15

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.696+/-0.017 χ^2/NDF:91053.4/13

Left: 79.552+/-0.011 χ^2/NDF: 233392.2/29

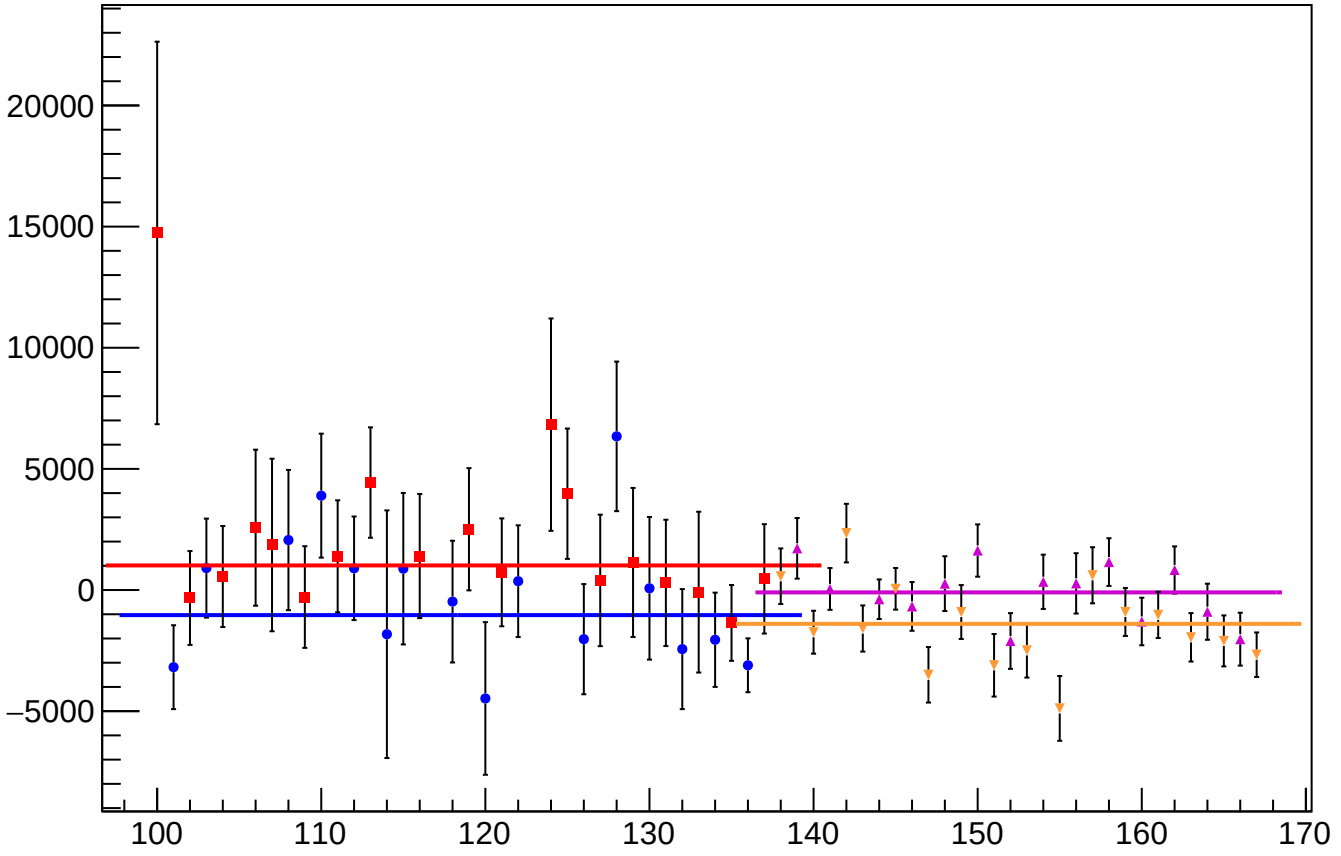
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 83.271+/-0.014 χ^2/NDF:507072.1/29

Out: 83.236+/-0.013 χ^2/NDF:635268.6/34

All: 83.253+/-0.010 χ^2/NDF: 1142344.1/64

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1395.539+/-261.342 χ^2/NDF:34.7/15

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -97.646+/-277.136 χ^2/NDF:16.2/13

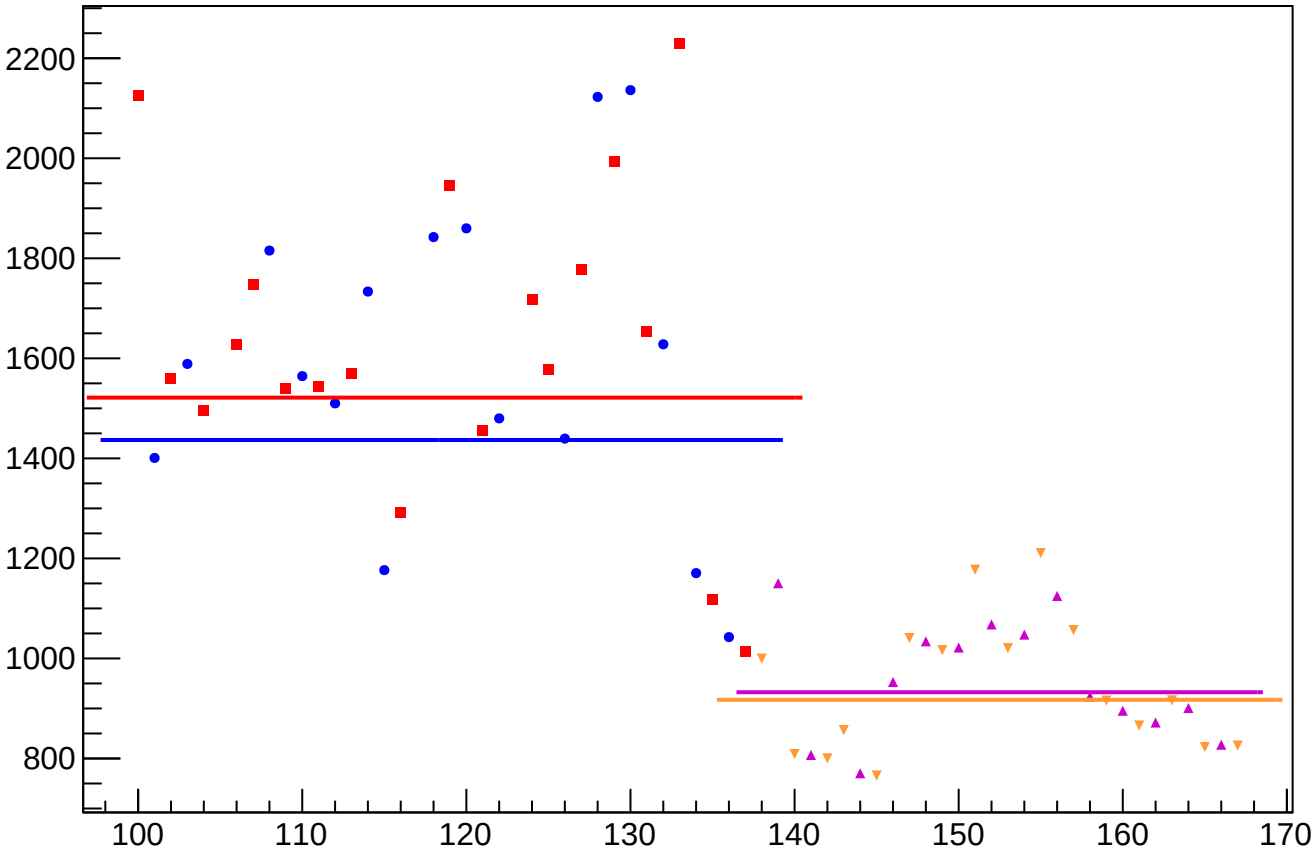
Left: -784.628+/-190.135 χ^2/NDF: 62.5/29

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -287.336+/-247.512 χ^2/NDF:38.7/29

Out: -976.479+/-237.546 χ^2/NDF:61.9/34

All: -646.060+/-171.385 χ^2/NDF: 104.7/64



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 917.334+/-0.185 χ^2/NDF:433360.1/15

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 932.476+/-0.196 χ^2/NDF:339802.9/13

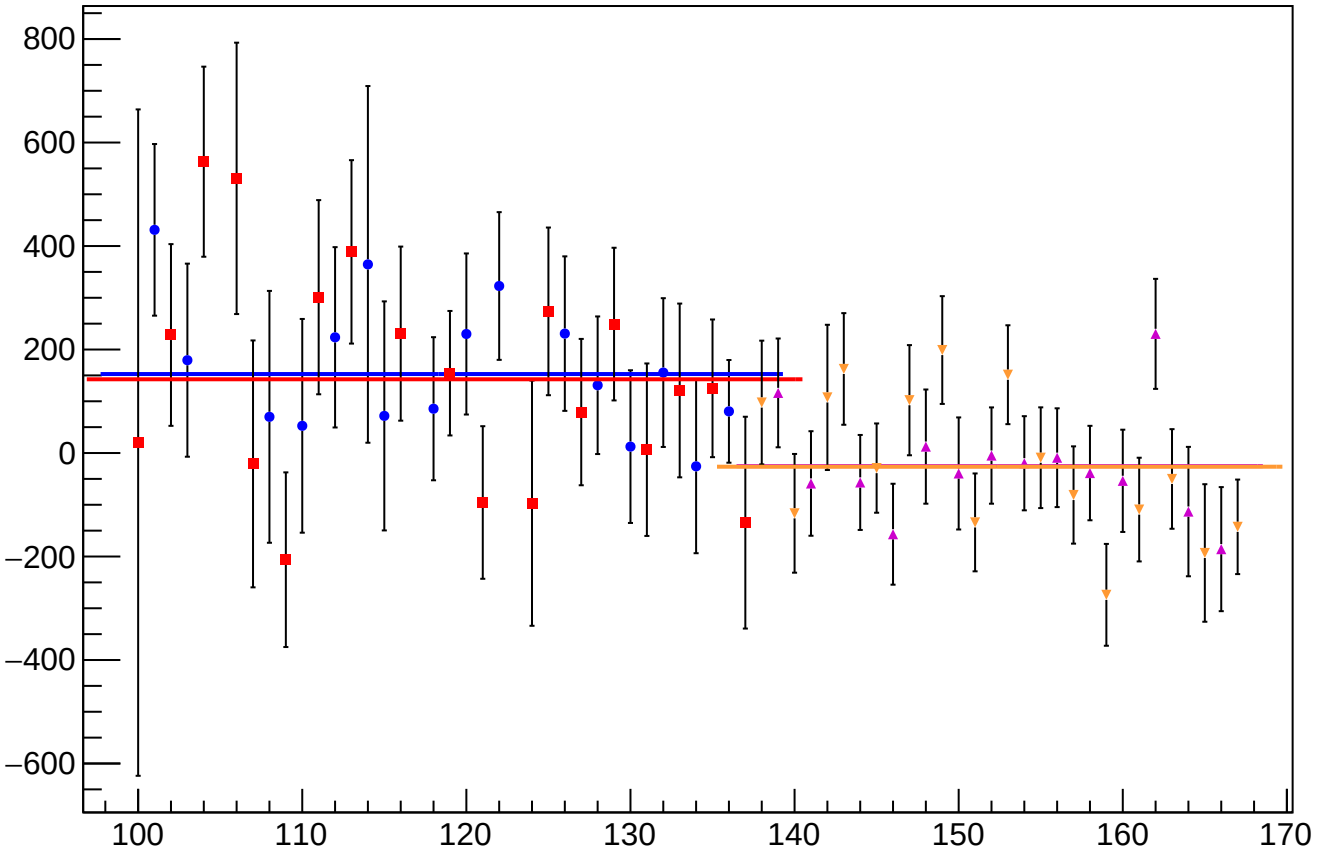
Left: 924.461+/-0.134 χ^2/NDF: 776323.1/29

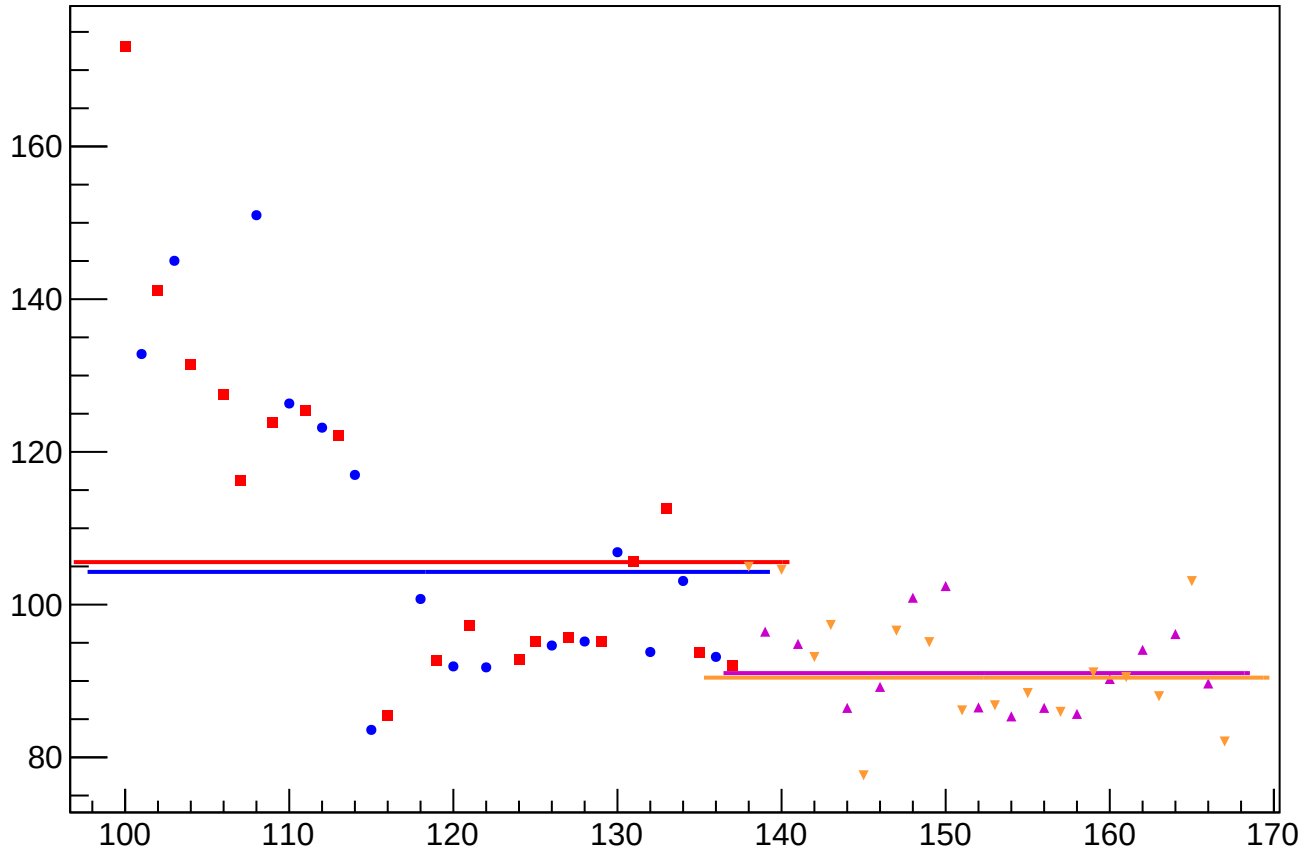
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1034.521+/-0.175 χ^2/NDF:2355444.2/29

Out: 1022.347+/-0.168 χ^2/NDF:2789573.7/34

All: 1028.184+/-0.121 χ^2/NDF: 5147536.2/64


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -26.447+/-25.607 χ²/NDF:27.2/15
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -25.349+/-27.013 χ²/NDF:12.2/13
Left: -25.927+/-18.584 χ²/NDF: 39.5/29
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 31.468+/-22.288 χ²/NDF:34.7/29
Out: 23.831+/-21.461 χ²/NDF:63.1/34
All: 27.505+/-15.459 χ²/NDF: 97.9/64



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.439+/-0.018 χ^2/NDF:172064.8/15

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.032+/-0.019 χ^2/NDF:81210.2/13

Left: 90.720+/-0.013 χ^2/NDF: 253782.9/29

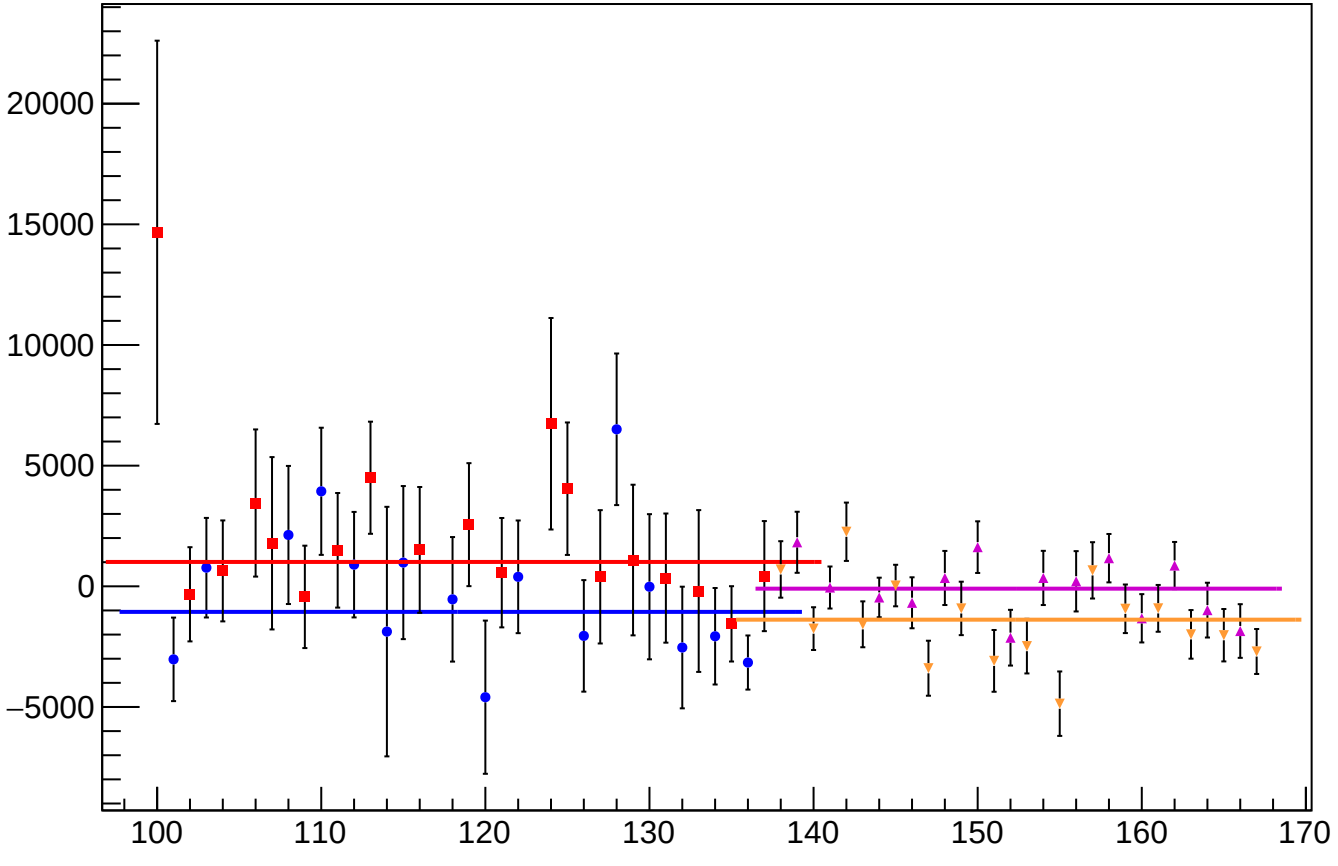
Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 95.264+/-0.016 χ^2/NDF:613226.2/29

Out: 94.942+/-0.015 χ^2/NDF:724425.8/34

All: 95.097+/-0.011 χ^2/NDF: 1337868.5/64

asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1382.301+/-263.033 χ^2/NDF:34.2/15

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: -97.196+/-279.422 χ^2/NDF:16.0/13

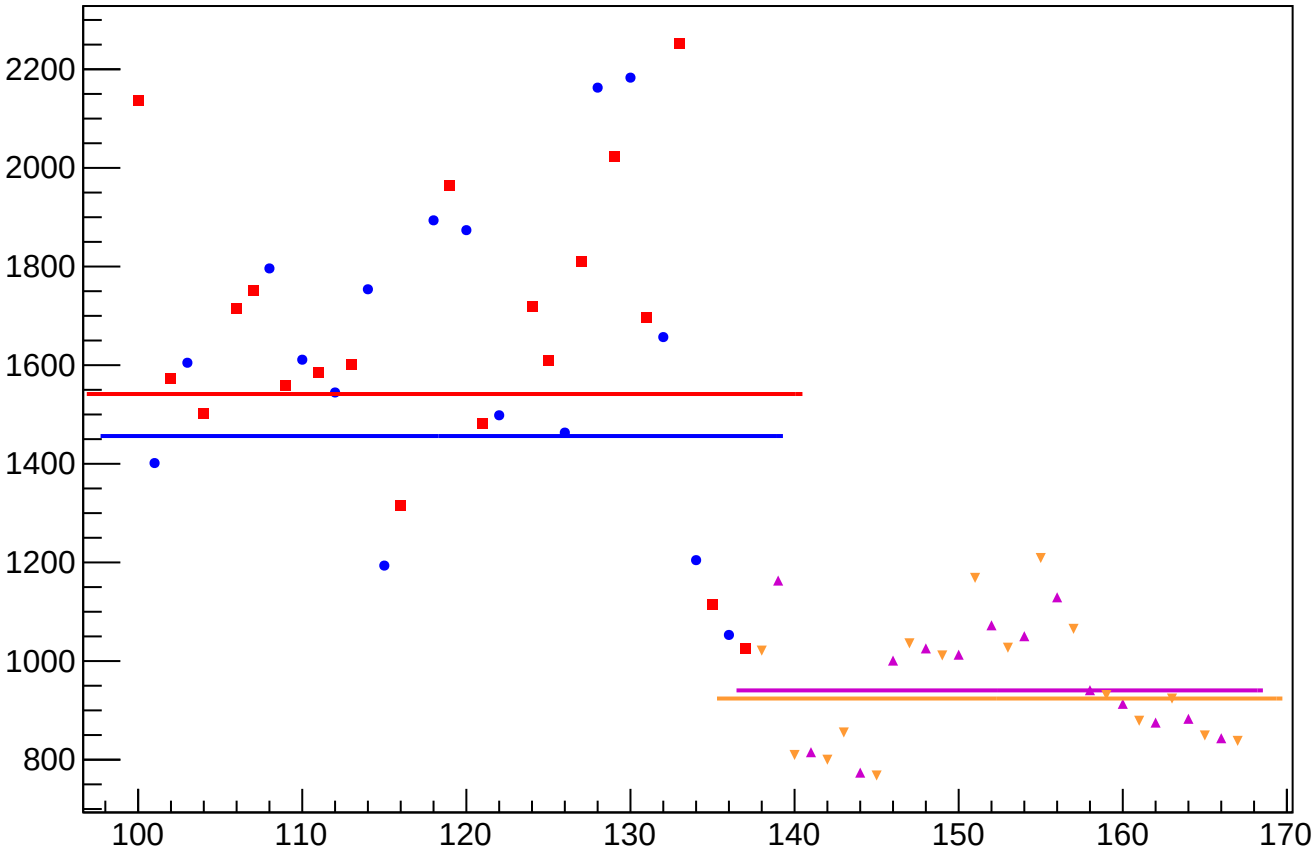
Left: -778.539+/-191.524 χ^2/NDF: 61.4/29

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -290.290+/-249.815 χ^2/NDF:38.4/29

Out: -968.455+/-239.201 χ^2/NDF:61.8/34

All: -644.085+/-172.771 χ^2/NDF: 104.1/64



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 924.060+/-0.186 χ^2/NDF:417234.5/15

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 940.526+/-0.198 χ^2/NDF:335144.1/13

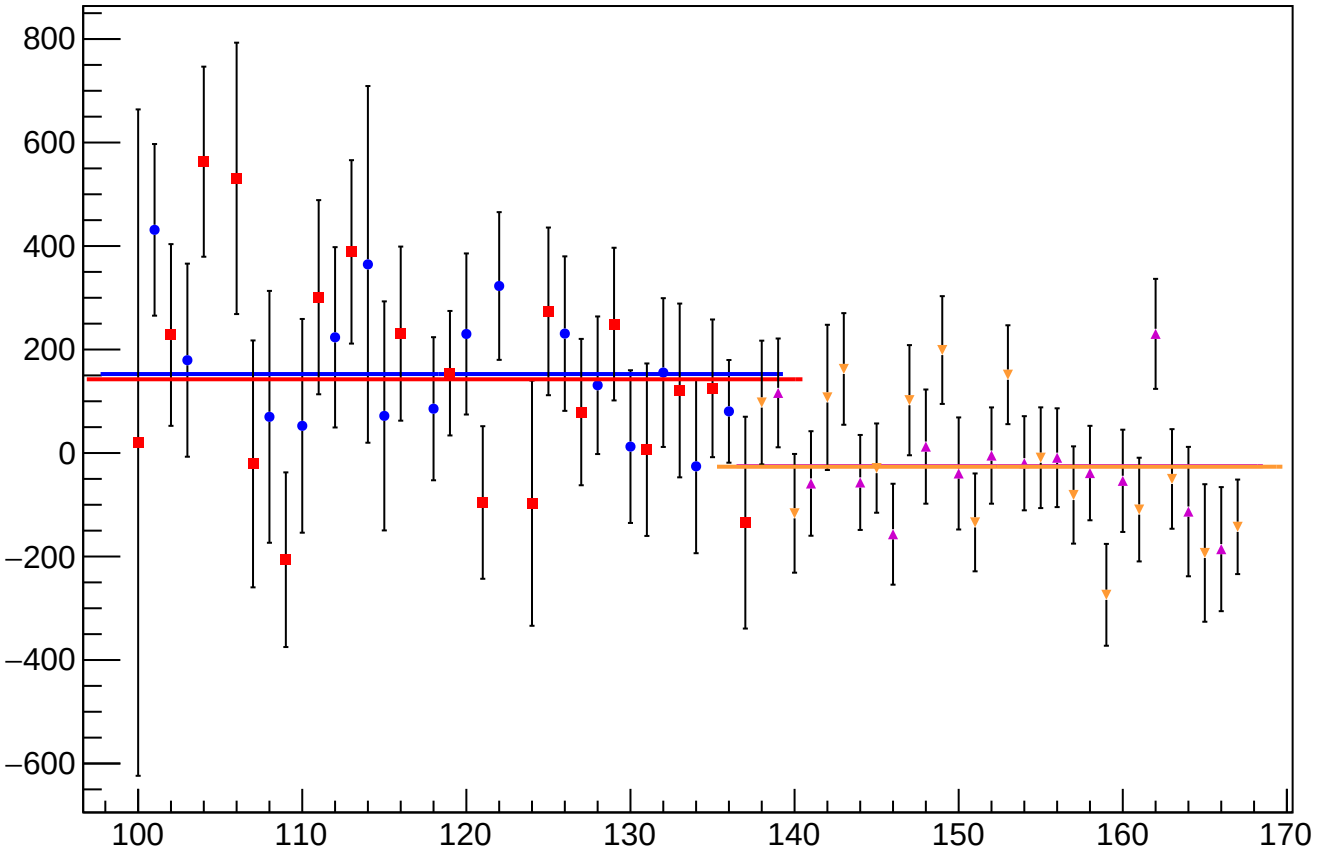
Left: 931.796+/-0.135 χ^2/NDF: 756060.6/29

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1044.036+/-0.177 χ^2/NDF:2387539.3/29

Out: 1030.880+/-0.169 χ^2/NDF:2843219.6/34

All: 1037.173+/-0.122 χ^2/NDF: 5233652.8/64



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -26.446+/-25.608 χ^2/NDF:27.2/15

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -25.350+/-27.013 χ^2/NDF:12.2/13

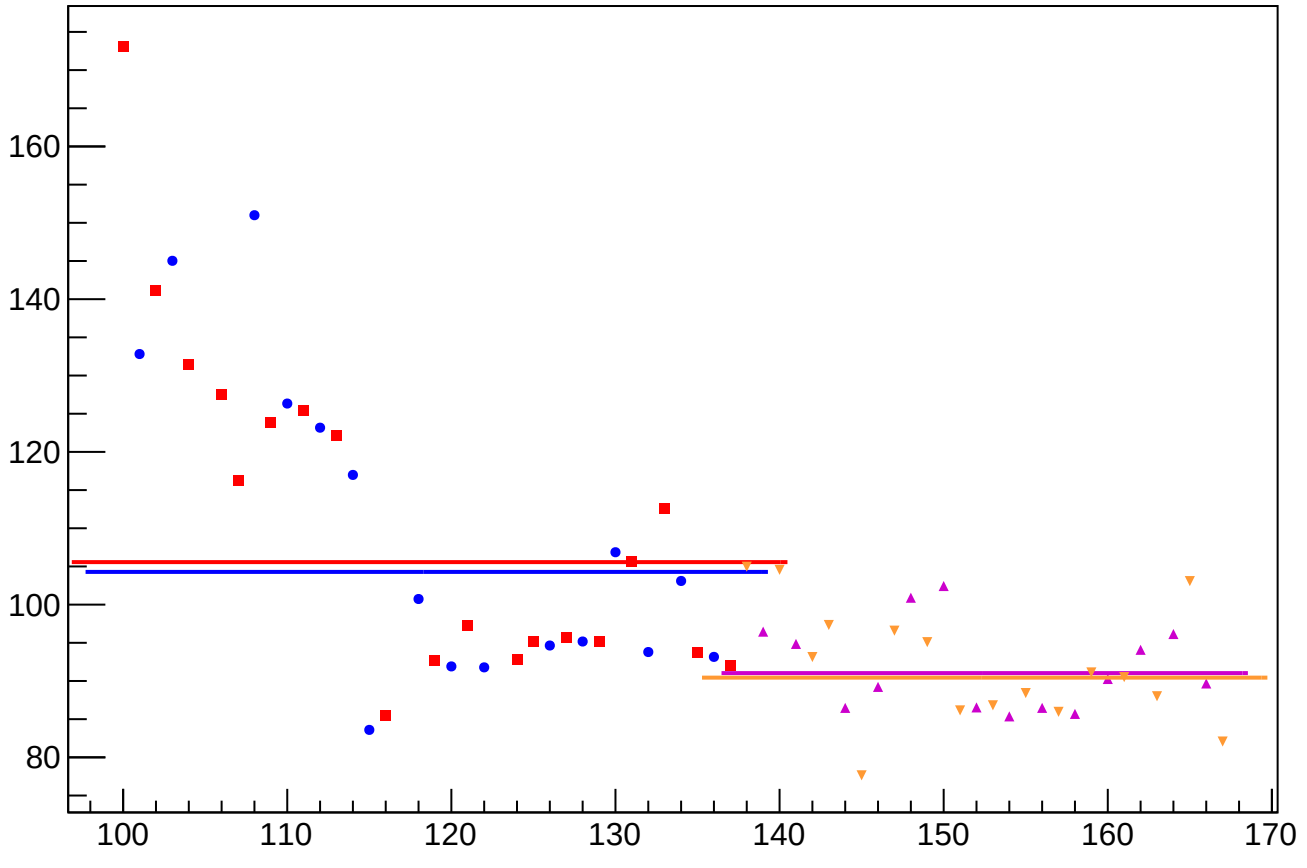
Left: -25.927+/-18.584 χ^2/NDF: 39.5/29

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 31.469+/-22.288 χ^2/NDF:34.7/29

Out: 23.832+/-21.461 χ^2/NDF:63.1/34

All: 27.506+/-15.459 χ^2/NDF: 97.9/64



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.439+/-0.018 χ^2/NDF:172062.4/15

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.032+/-0.019 χ^2/NDF:81209.3/13

Left: 90.720+/-0.013 χ^2/NDF: 253779.5/29

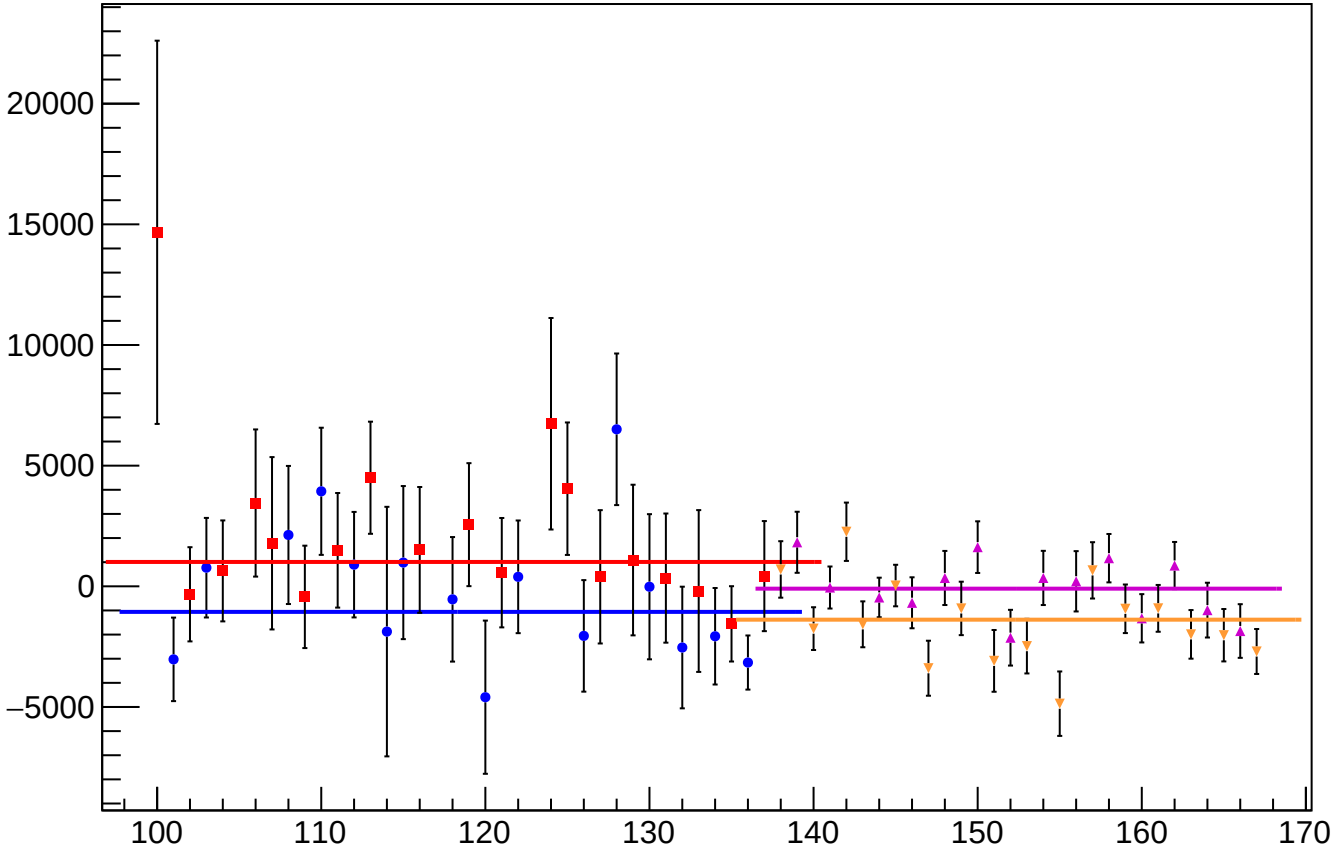
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 95.263+/-0.016 χ^2/NDF:613206.0/29

Out: 94.942+/-0.015 χ^2/NDF:724401.9/34

All: 95.096+/-0.011 χ^2/NDF: 1337824.2/64

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1382.299+/-263.032 χ^2/NDF:34.2/15

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -97.197+/-279.421 χ^2/NDF:16.0/13

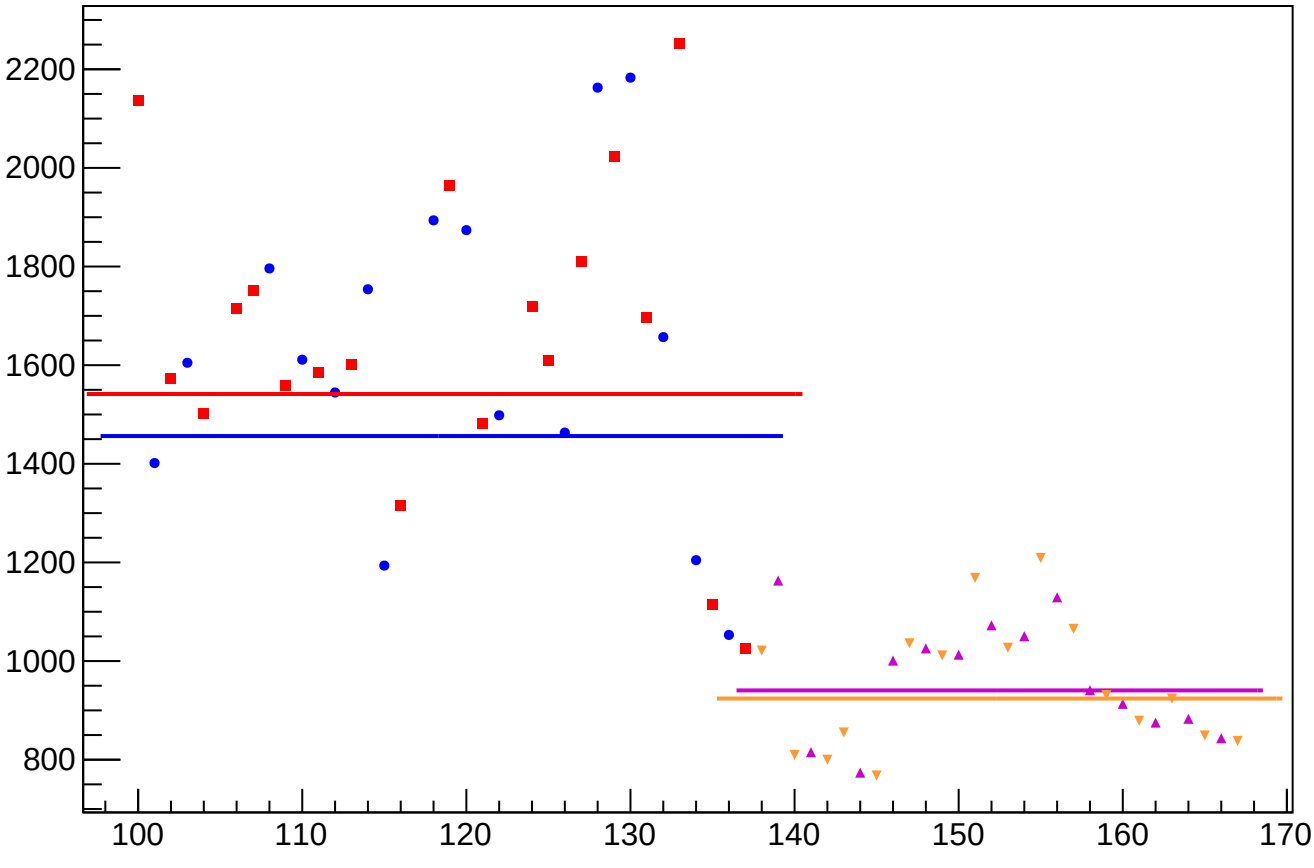
Left: -778.539+/-191.524 χ^2/NDF: 61.4/29

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -290.290+/-249.814 χ^2/NDF:38.4/29

Out: -968.453+/-239.201 χ^2/NDF:61.8/34

All: -644.084+/-172.771 χ^2/NDF: 104.1/64



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 924.059+/-0.186 χ^2/NDF:417238.0/15

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 940.525+/-0.198 χ^2/NDF:335145.6/13

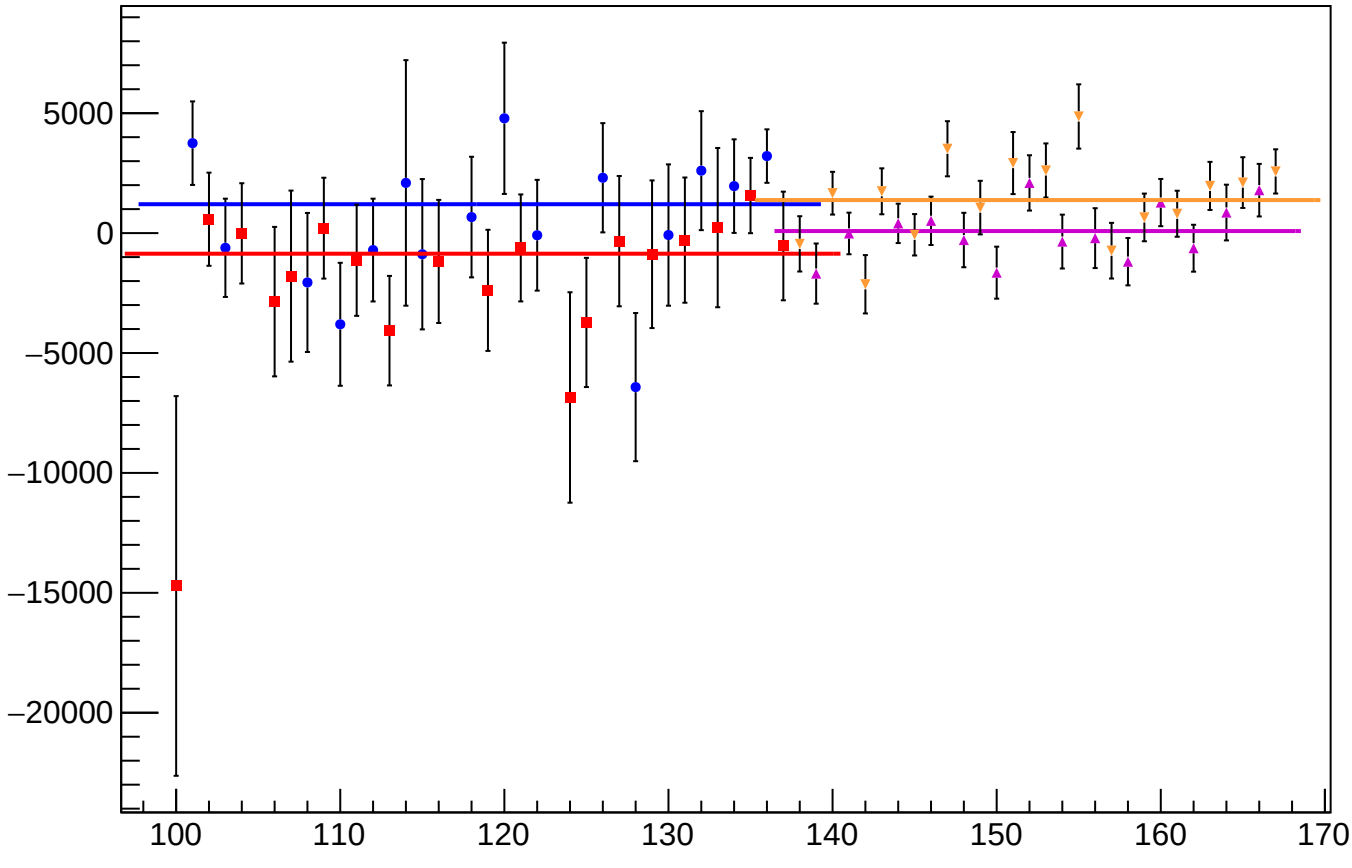
Left: 931.795+/-0.135 χ^2/NDF: 756065.6/29

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1044.035+/-0.177 χ^2/NDF:2387533.7/29

Out: 1030.879+/-0.169 χ^2/NDF:2843217.7/34

All: 1037.171+/-0.122 χ^2/NDF: 5233645.3/64



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1377.270+/-262.421 χ^2/NDF:33.5/15

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: 85.238+/-278.234 χ^2/NDF:14.8/13

Left: 769.009+/-190.905 χ^2/NDF: 59.7/29

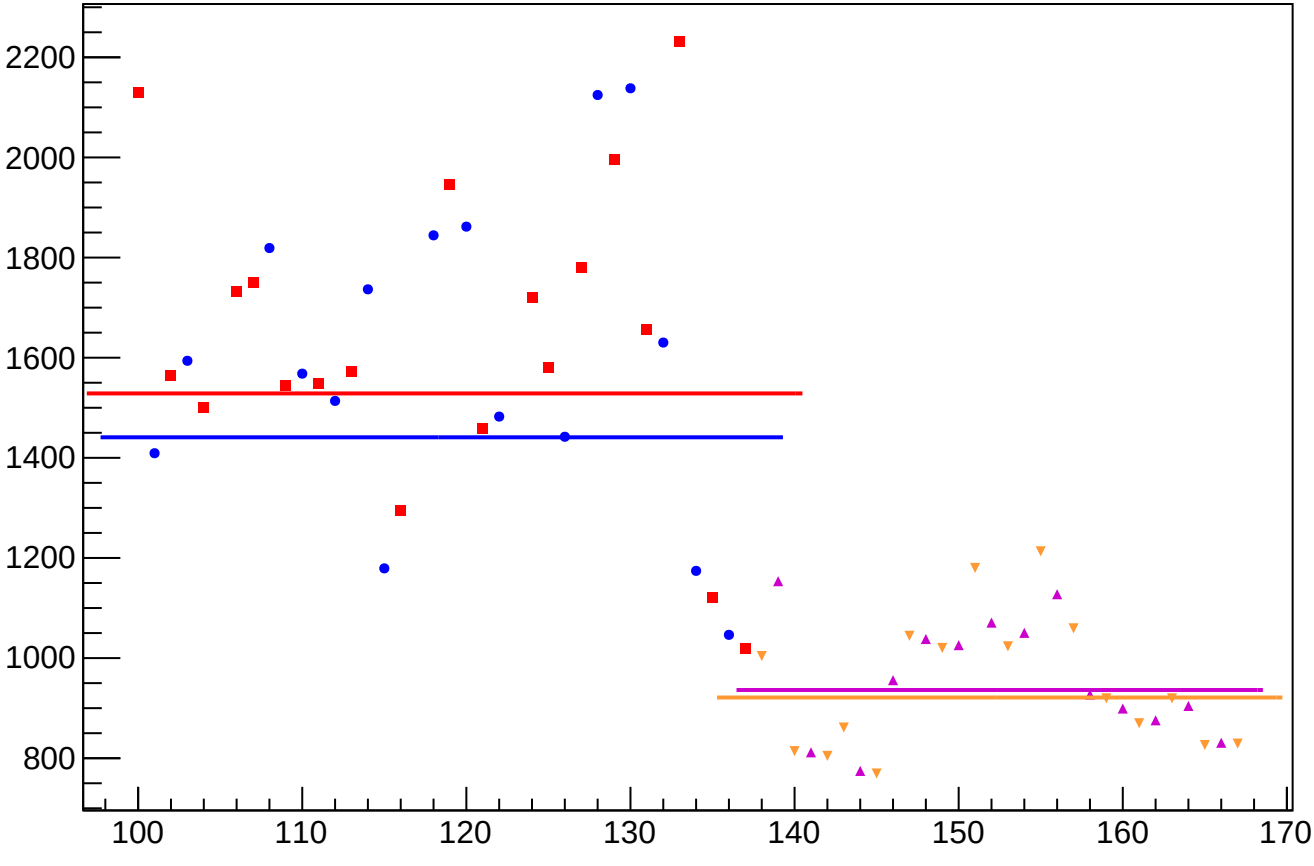
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 312.208+/-248.431 χ^2/NDF:39.2/29

Out: 986.564+/-238.401 χ^2/NDF:58.7/34

All: 663.274+/-172.012 χ^2/NDF: 101.7/64

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 921.276+/-0.186 χ^2/NDF:427498.9/15

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 936.297+/-0.197 χ^2/NDF:334788.8/13

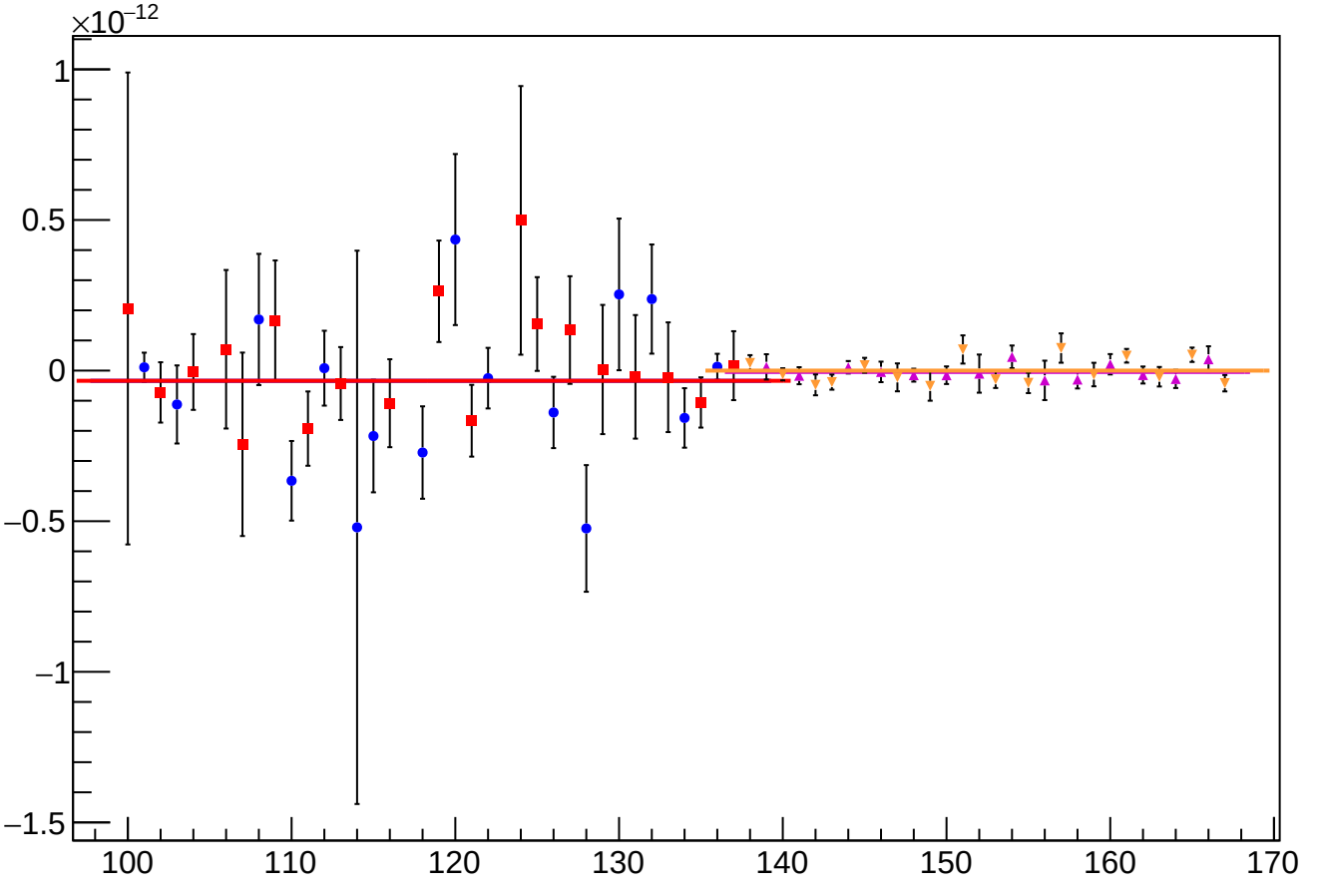
Left: 928.348+/-0.135 χ^2/NDF: 765372.8/29

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1038.631+/-0.176 χ^2/NDF:2339866.1/29

Out: 1027.379+/-0.169 χ^2/NDF:2800830.0/34

All: 1032.773+/-0.122 χ^2/NDF: 5142832.1/64



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/13

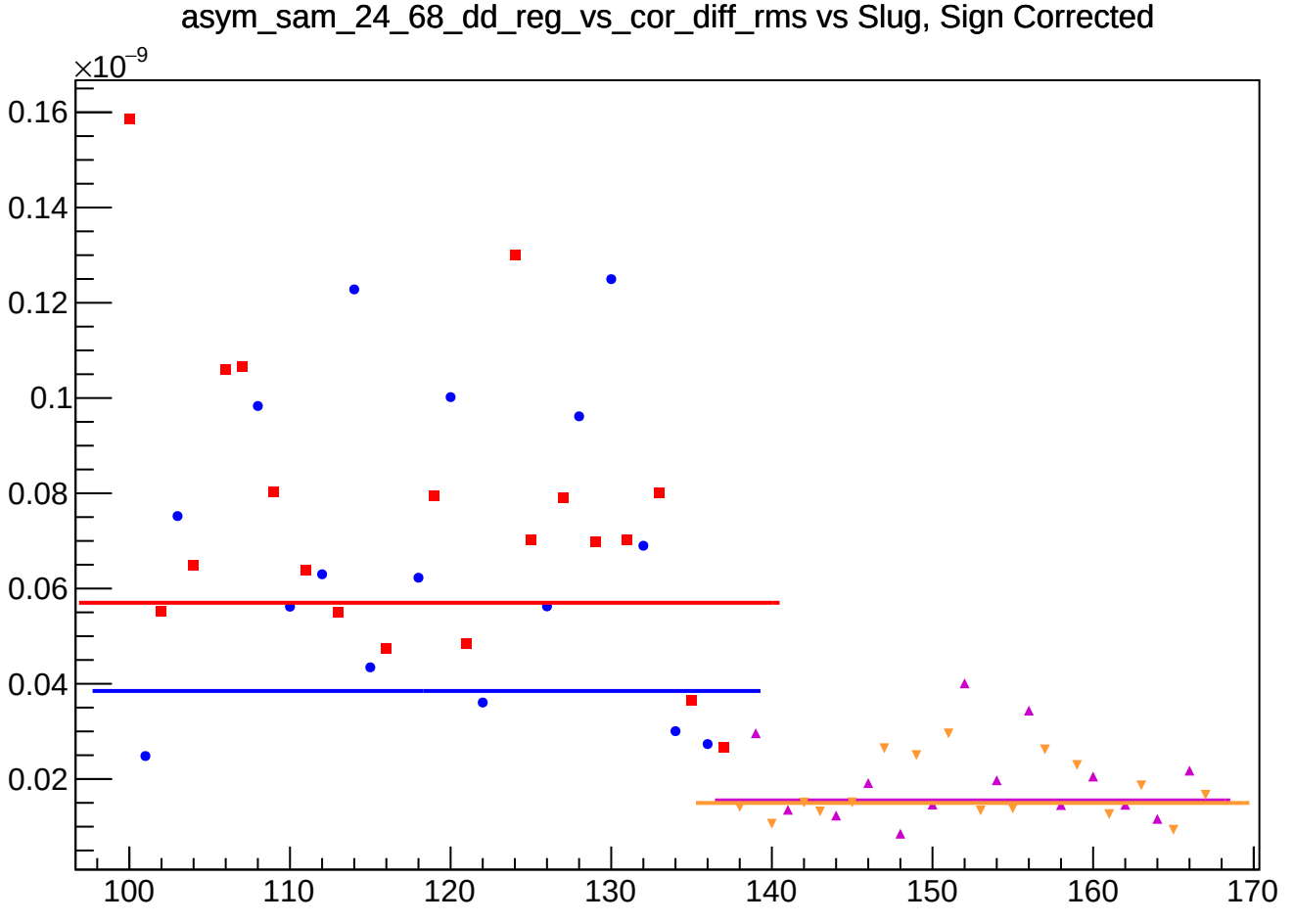
Left: -0.000+/-0.000 χ^2/NDF: 33.2/29

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:34.9/29

Out: -0.000+/-0.000 χ^2/NDF:40.8/34

All: -0.000+/-0.000 χ^2/NDF: 75.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:871499.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1135421.8/13

Left: 0.000+/-0.000 χ^2/NDF: 2011472.4/29

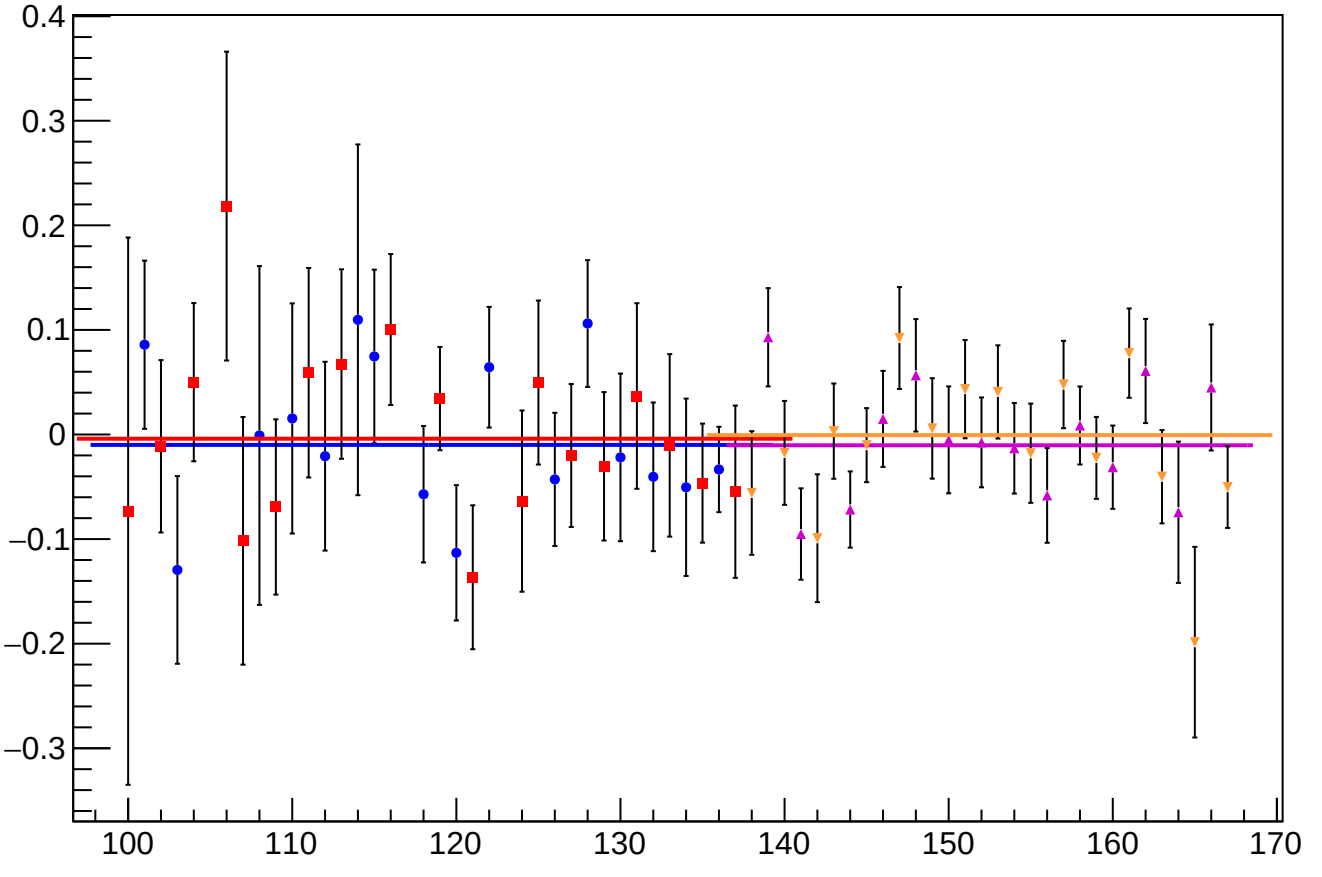
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4034370.7/29

Out: 0.000+/-0.000 χ^2/NDF:4486545.9/34

All: 0.000+/-0.000 χ^2/NDF: 8535544.1/64

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.001+/-0.012 χ^2/NDF:21.3/15

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.012 χ^2/NDF:18.7/13

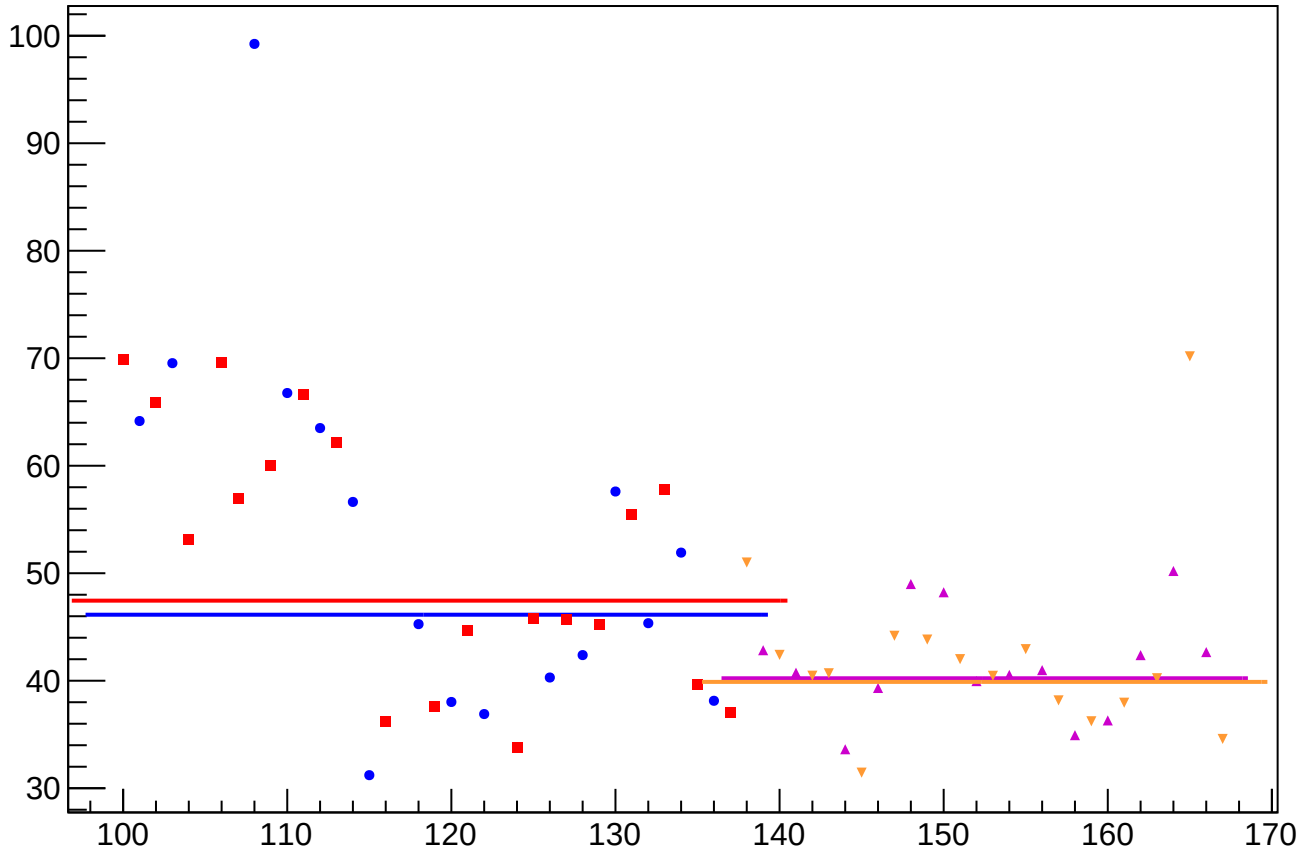
Left: -0.005+/-0.008 χ^2/NDF: 40.4/29

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.010 χ^2/NDF:33.0/29

Out: -0.002+/-0.010 χ^2/NDF:35.2/34

All: -0.006+/-0.007 χ^2/NDF: 68.6/64



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.892+/-0.008 χ^2/NDF:514925.2/15

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.228+/-0.009 χ^2/NDF:286174.7/13

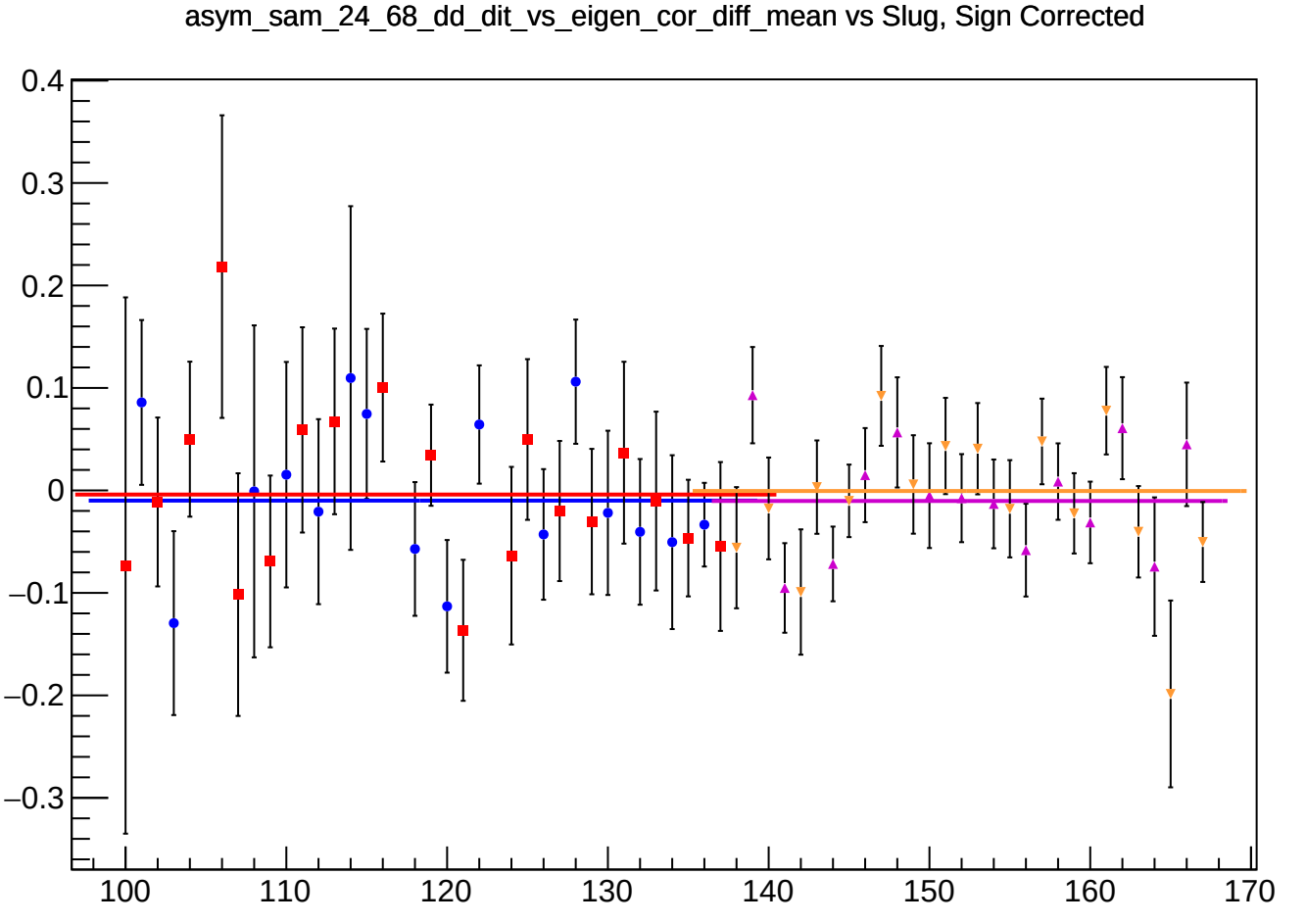
Left: 40.051+/-0.006 χ^2/NDF: 801908.0/29

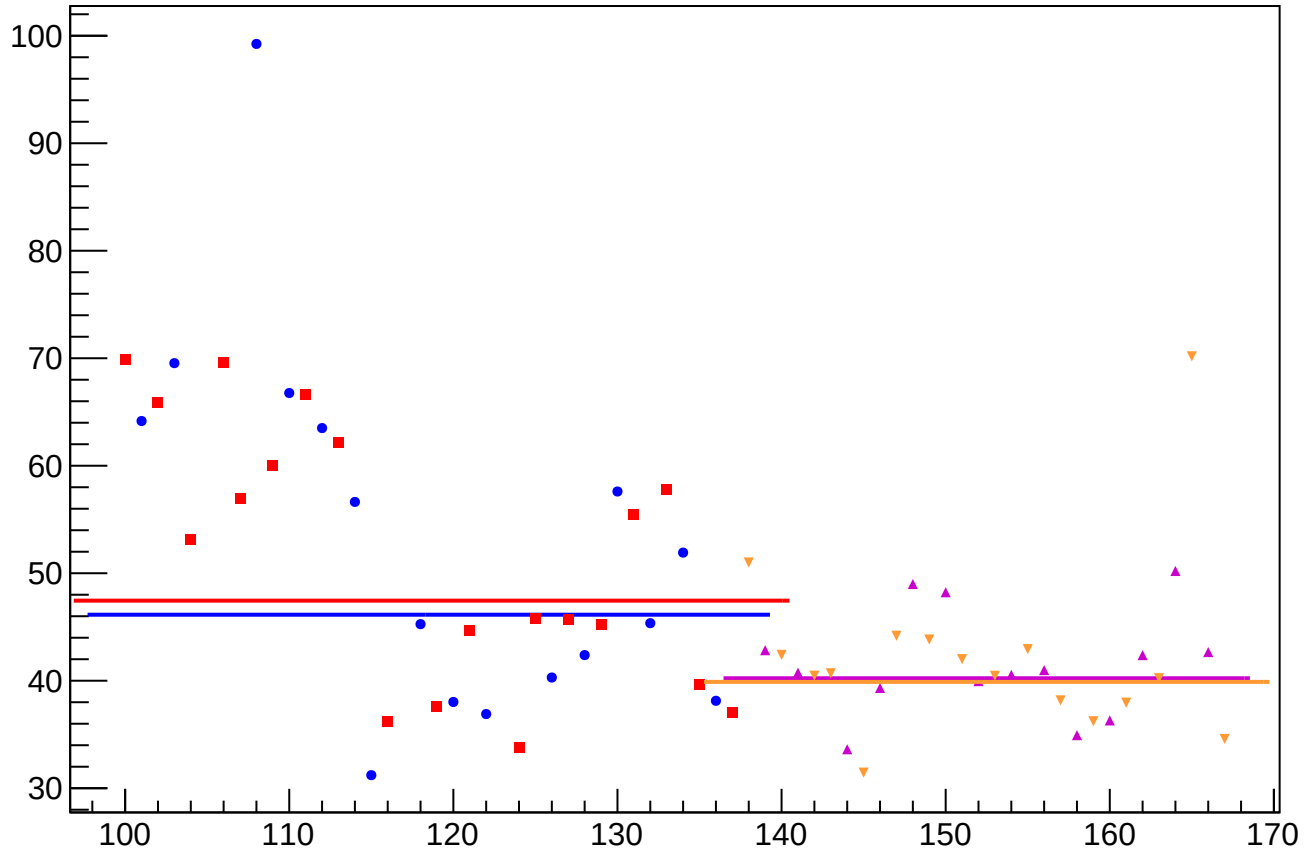
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.086+/-0.007 χ^2/NDF:1337596.1/29

Out: 42.069+/-0.007 χ^2/NDF:1418085.0/34

All: 42.077+/-0.005 χ^2/NDF: 2755684.1/64


asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: -0.010+/-0.018 χ²/NDF: 14.2/15
Left Out: -0.001+/-0.012 χ²/NDF:21.3/15
Right Out: -0.004+/-0.018 χ²/NDF: 13.9/18
Left In: -0.010+/-0.012 χ²/NDF:18.7/13
Left: -0.005+/-0.008 χ²/NDF: 40.4/29
Right: -0.007+/-0.013 χ²/NDF: 28.1/34
In: -0.010+/-0.010 χ²/NDF:33.0/29
Out: -0.002+/-0.010 χ²/NDF:35.2/34
All: -0.006+/-0.007 χ²/NDF: 68.6/64



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.892+/-0.008 χ^2/NDF:514925.2/15

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.228+/-0.009 χ^2/NDF:286174.7/13

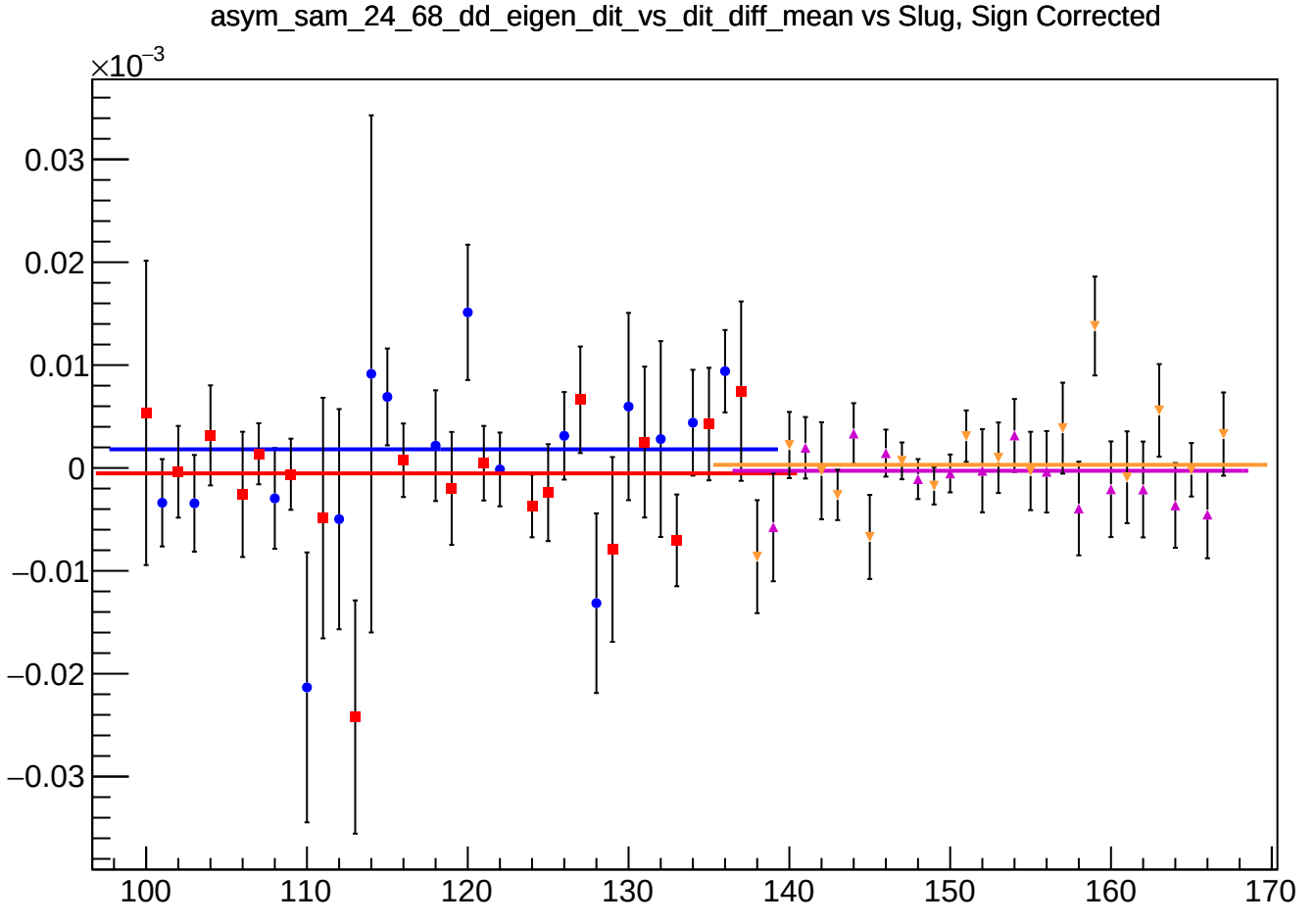
Left: 40.051+/-0.006 χ^2/NDF: 801908.0/29

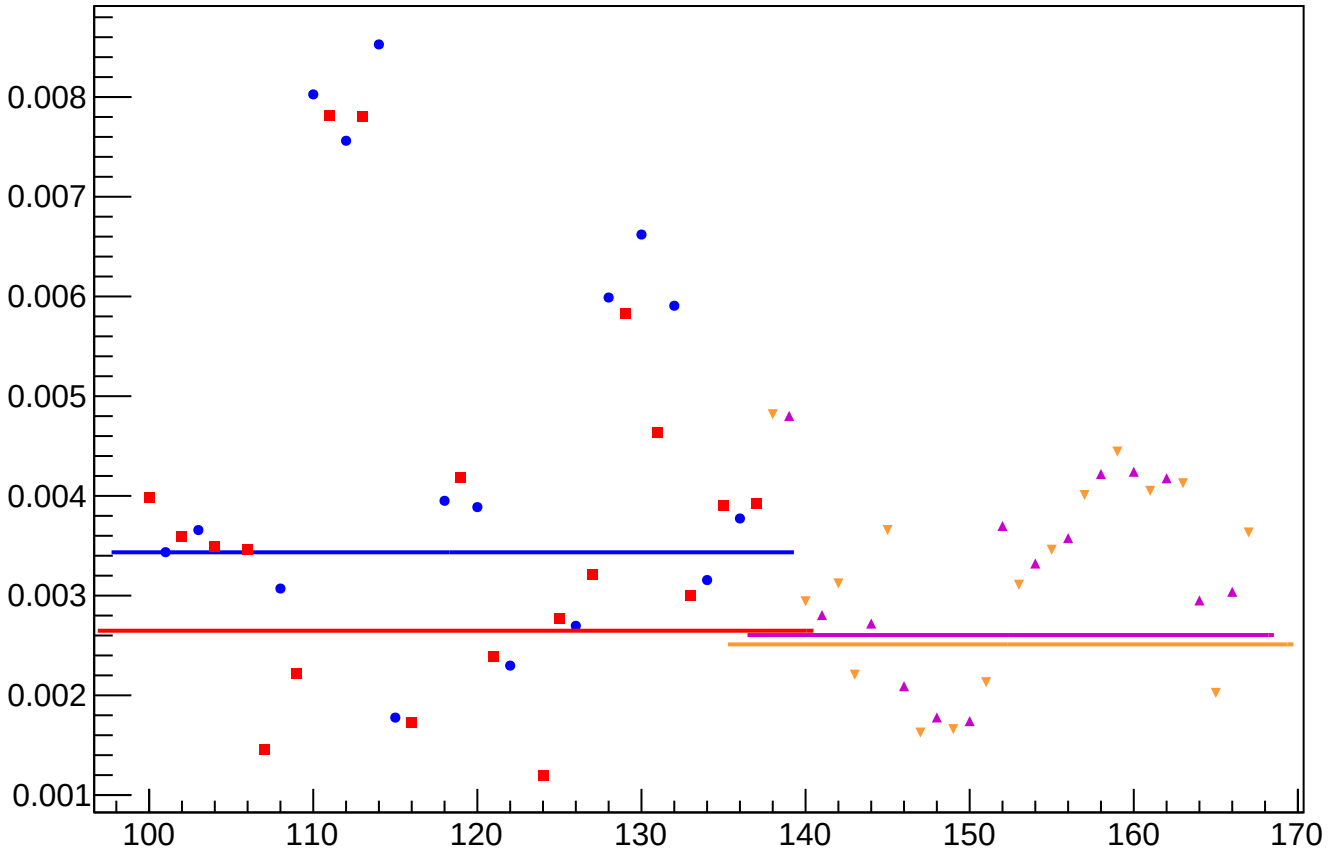
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.086+/-0.007 χ^2/NDF:1337596.1/29

Out: 42.069+/-0.007 χ^2/NDF:1418085.0/34

All: 42.077+/-0.005 χ^2/NDF: 2755684.1/64


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: 0.000+/-0.000 χ²/NDF:20.6/15
Right Out: -0.000+/-0.000 χ²/NDF: 13.8/18
Left In: -0.000+/-0.000 χ²/NDF:7.5/13
Left: 0.000+/-0.000 χ²/NDF: 28.3/29
Right: 0.000+/-0.000 χ²/NDF: 35.5/34
In: 0.000+/-0.000 χ²/NDF:29.1/29
Out: 0.000+/-0.000 χ²/NDF:34.7/34
All: 0.000+/-0.000 χ²/NDF: 63.9/64



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3040253.3/15

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2374889.8/13

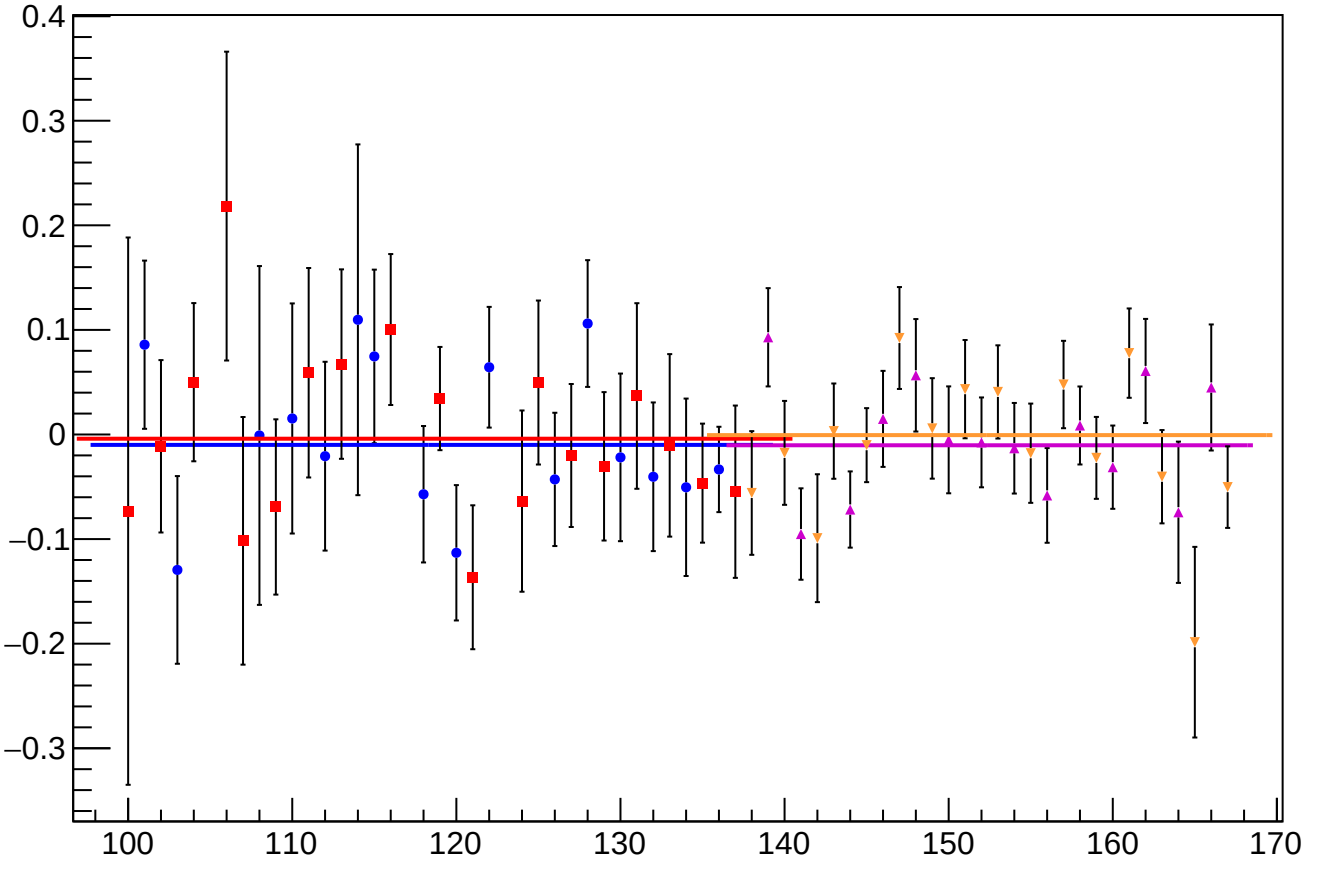
Left: 0.003+/-0.000 χ^2/NDF: 5429208.8/29

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4660695.9/29

Out: 0.003+/-0.000 χ^2/NDF:5758474.3/34

All: 0.003+/-0.000 χ^2/NDF: 10582124.8/64



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.001+/-0.012 χ^2/NDF:21.3/15

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.012 χ^2/NDF:18.7/13

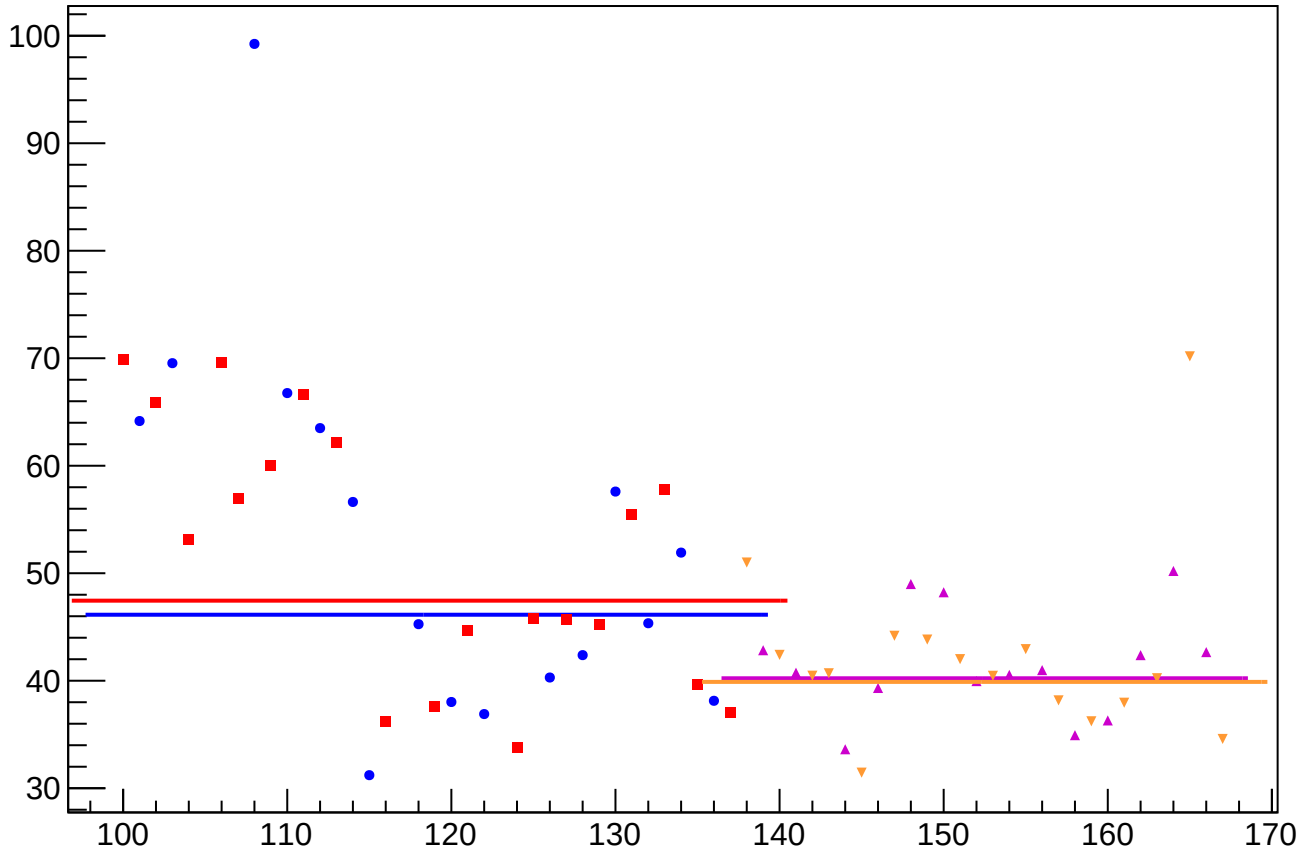
Left: -0.005+/-0.008 χ^2/NDF: 40.4/29

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.010 χ^2/NDF:33.0/29

Out: -0.002+/-0.010 χ^2/NDF:35.2/34

All: -0.006+/-0.007 χ^2/NDF: 68.6/64



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.892+/-0.008 χ^2/NDF:514958.8/15

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.228+/-0.009 χ^2/NDF:286217.5/13

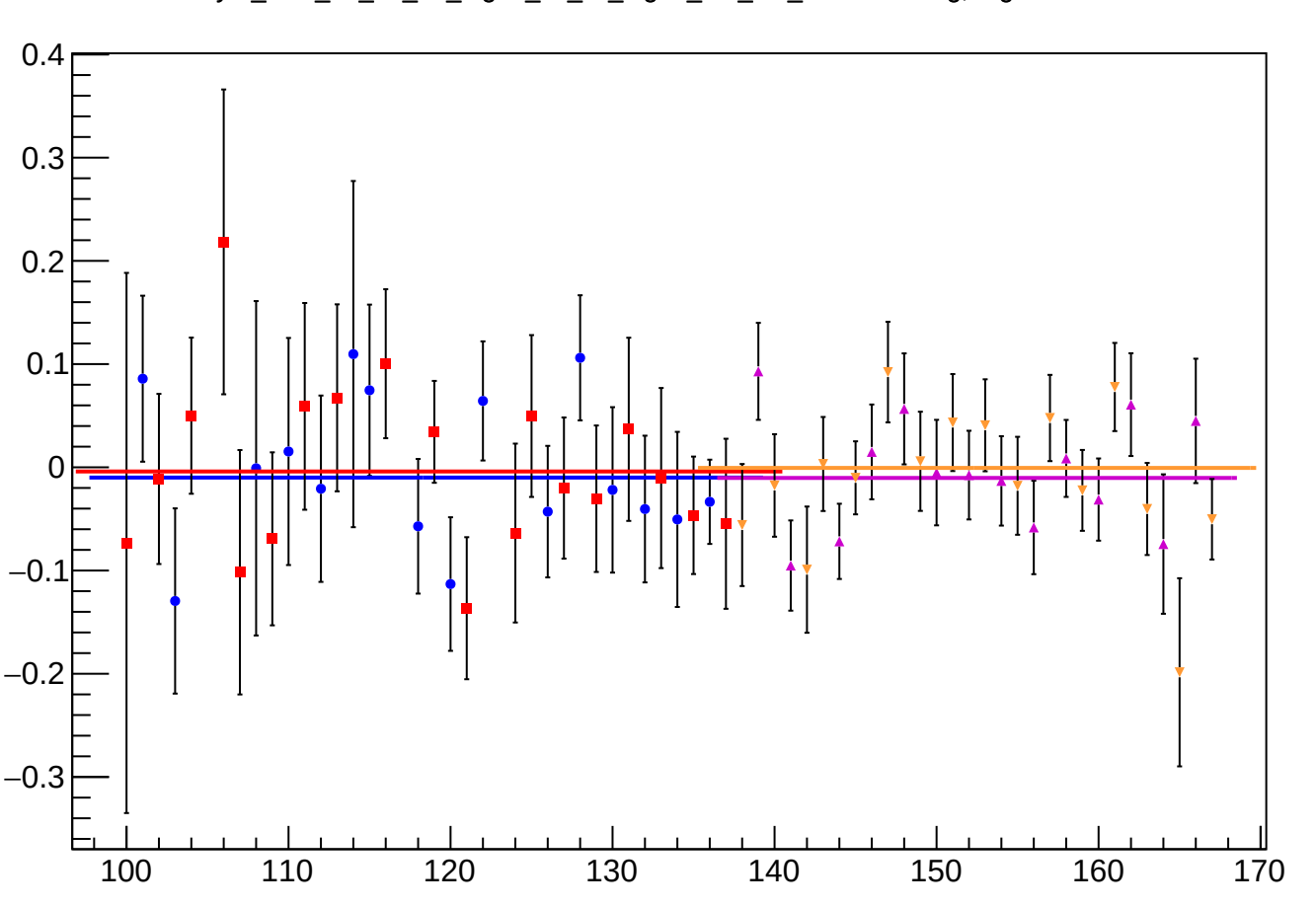
Left: 40.050+/-0.006 χ^2/NDF: 801983.2/29

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

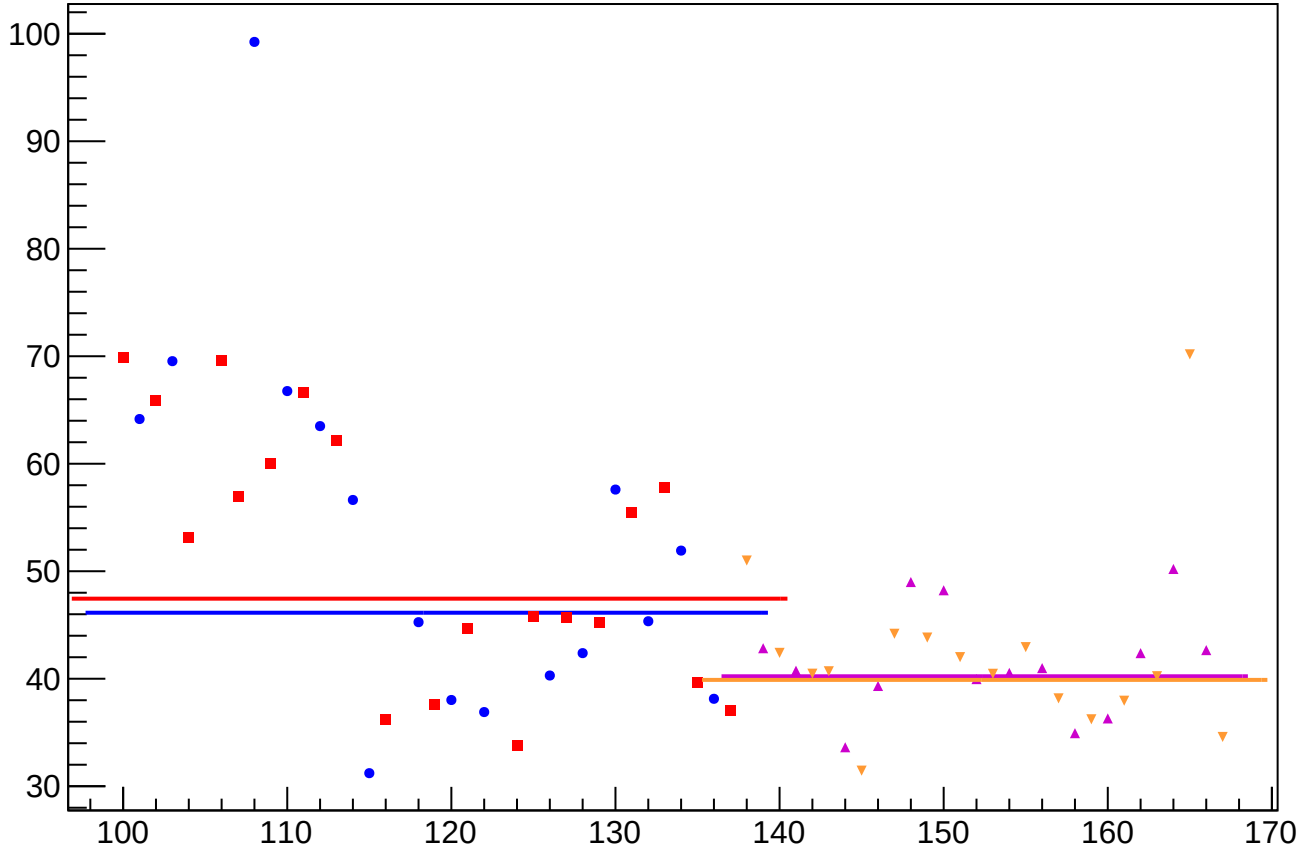
In: 42.085+/-0.007 χ^2/NDF:1337546.7/29

Out: 42.069+/-0.007 χ^2/NDF:1418036.9/34

All: 42.077+/-0.005 χ^2/NDF: 2755586.4/64


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: -0.010+/-0.018 χ²/NDF: 14.2/15
Left Out: -0.001+/-0.012 χ²/NDF:21.3/15
Right Out: -0.004+/-0.018 χ²/NDF: 13.9/18
Left In: -0.010+/-0.012 χ²/NDF:18.7/13
Left: -0.005+/-0.008 χ²/NDF: 40.4/29
Right: -0.007+/-0.013 χ²/NDF: 28.1/34
In: -0.010+/-0.010 χ²/NDF:33.0/29
Out: -0.002+/-0.010 χ²/NDF:35.2/34
All: -0.006+/-0.007 χ²/NDF: 68.6/64

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.892+/-0.008 χ^2/NDF:514958.8/15

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.228+/-0.009 χ^2/NDF:286217.5/13

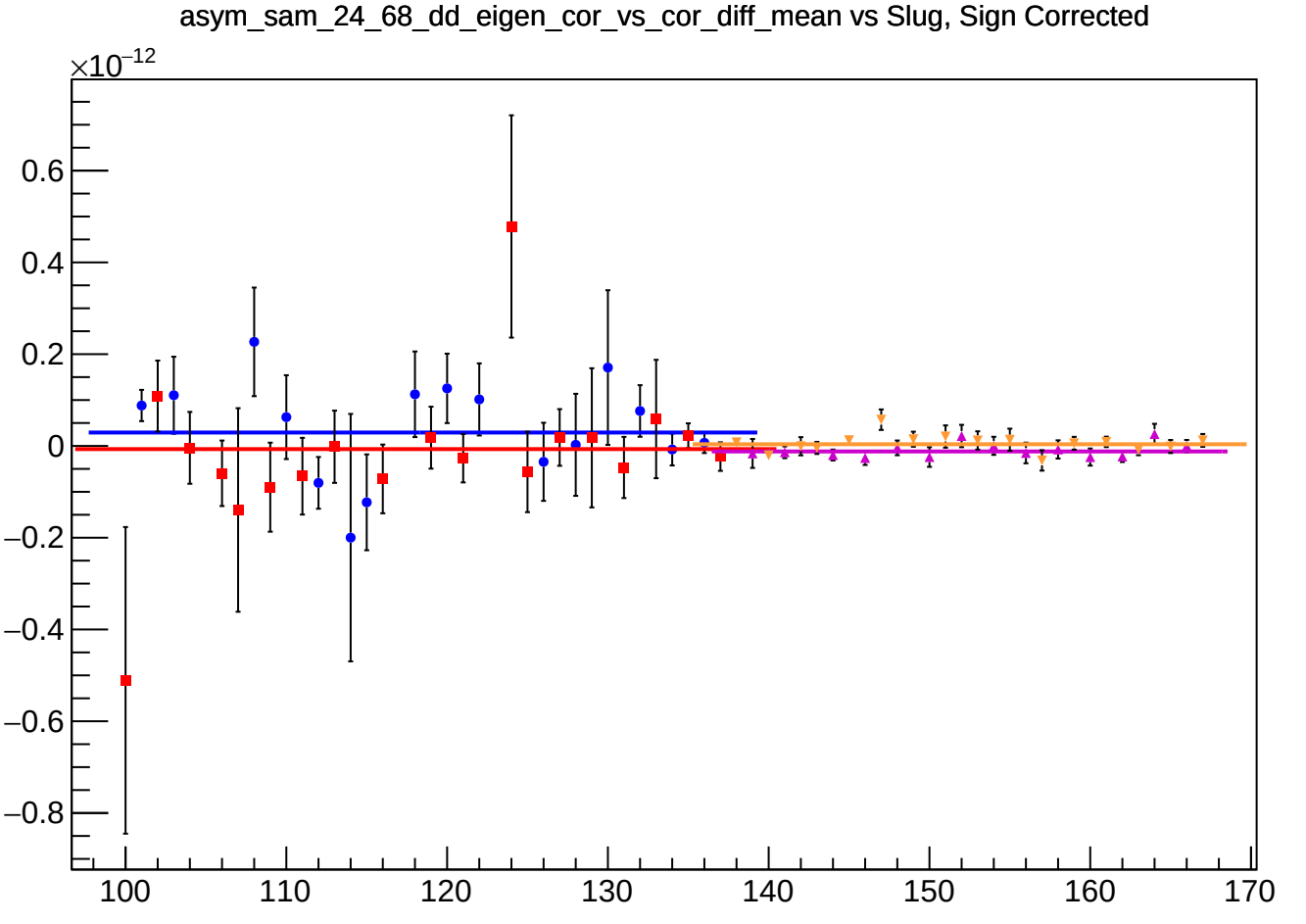
Left: 40.050+/-0.006 χ^2/NDF: 801983.2/29

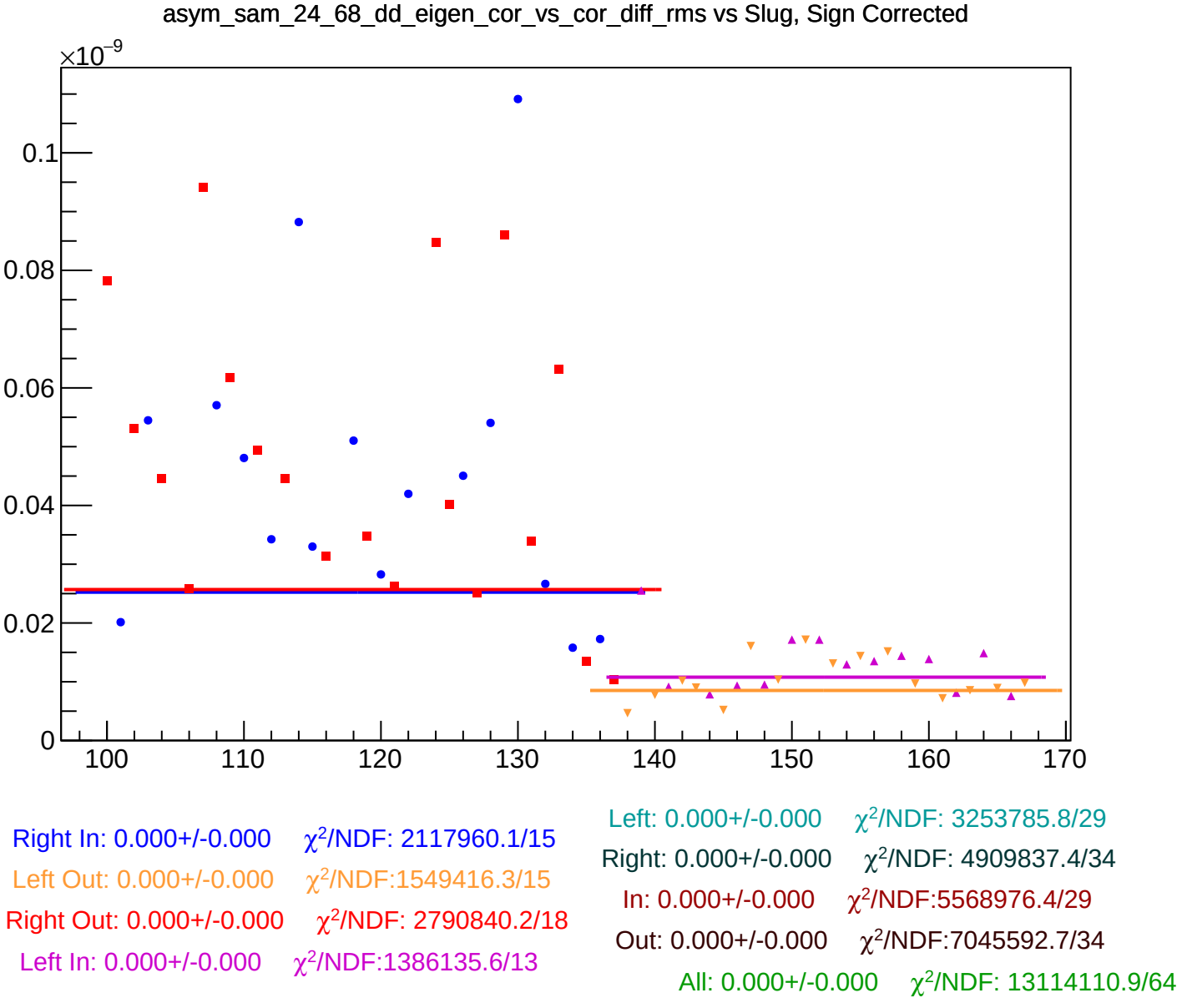
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

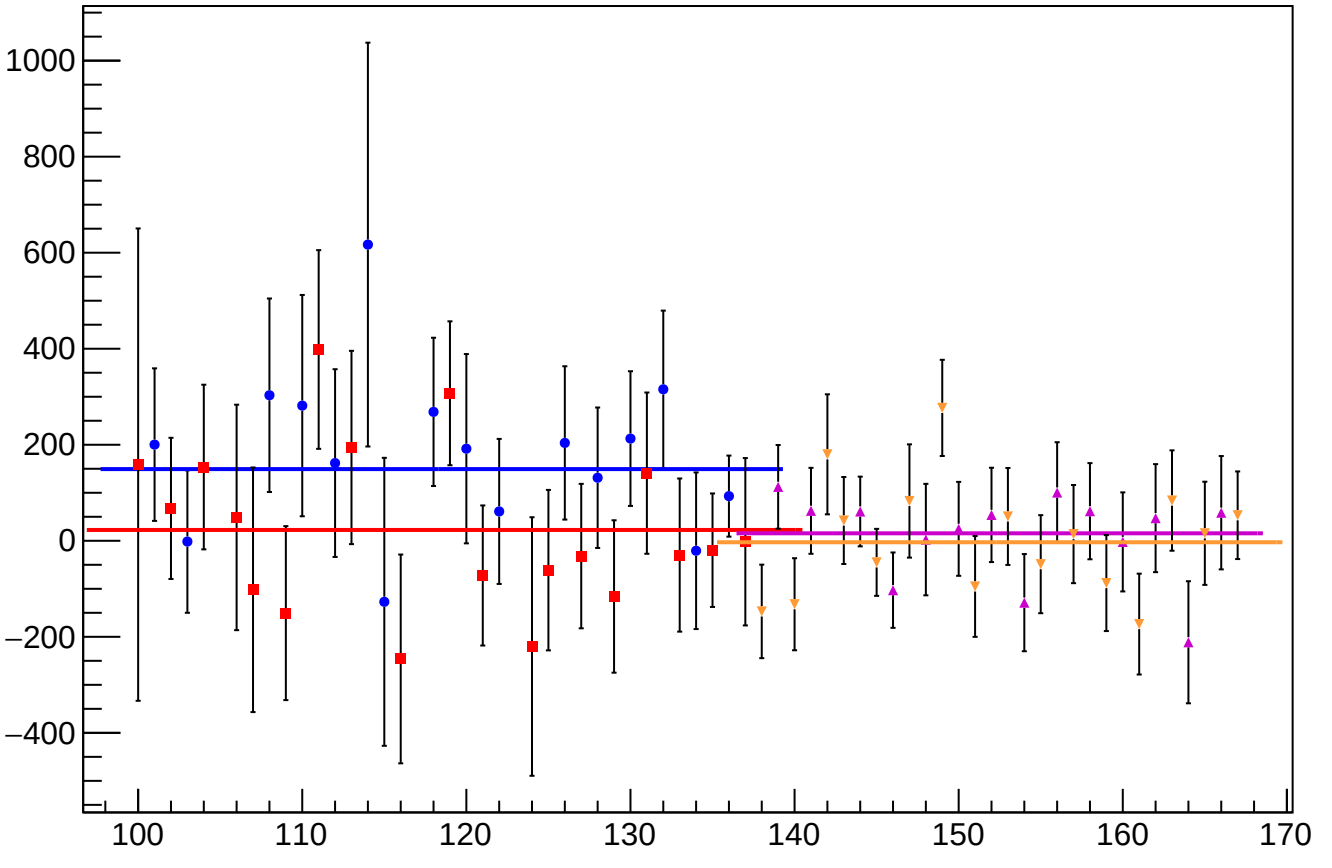
In: 42.085+/-0.007 χ^2/NDF:1337546.7/29

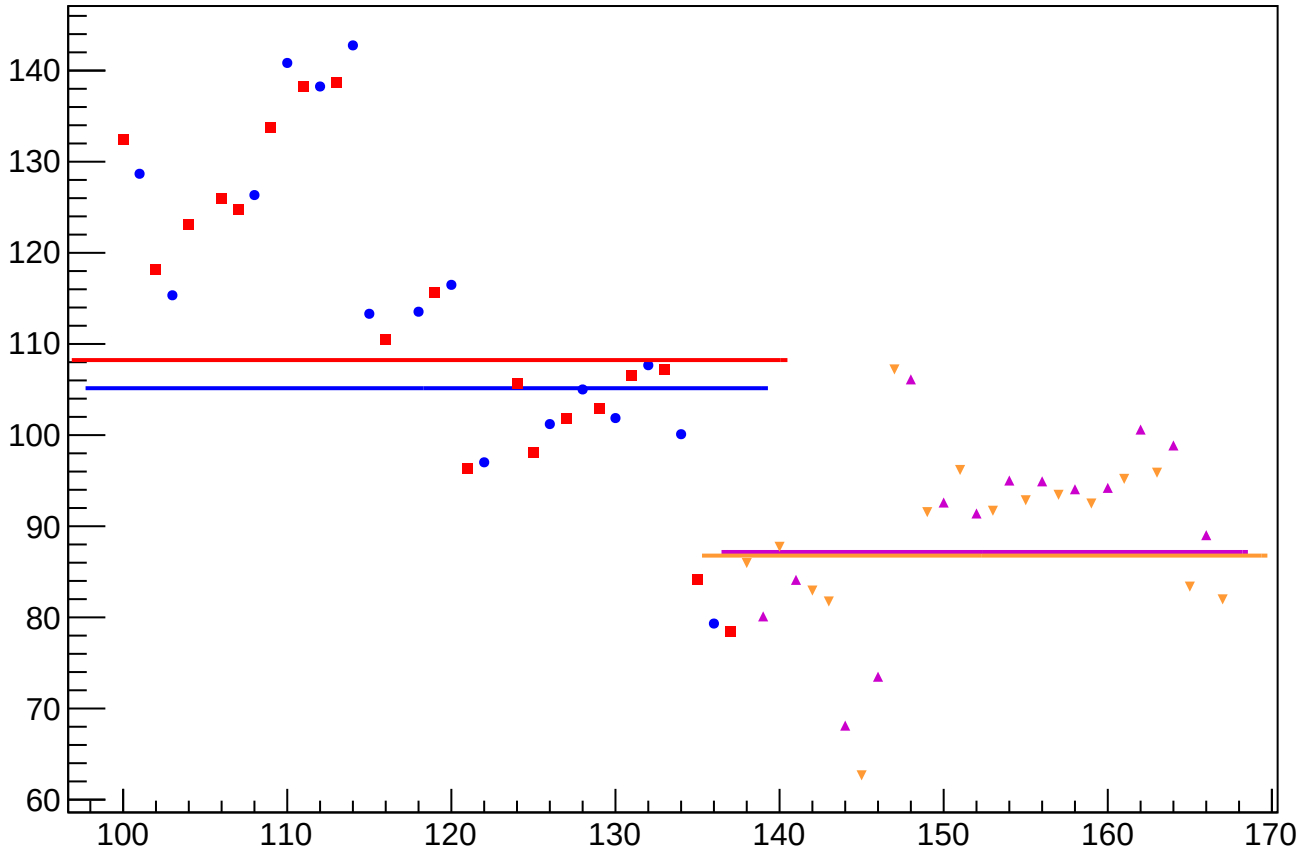
Out: 42.069+/-0.007 χ^2/NDF:1418036.9/34

All: 42.077+/-0.005 χ^2/NDF: 2755586.4/64


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.7/15
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:9.1/13
Left: -0.000+/-0.000 χ²/NDF: 34.5/29
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: -0.000+/-0.000 χ²/NDF:38.4/29
Out: 0.000+/-0.000 χ²/NDF:32.4/34
All: -0.000+/-0.000 χ²/NDF: 75.0/64


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2117960.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1549416.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 2790840.2/18
Left In: 0.000+/-0.000 χ²/NDF:1386135.6/13
Left: 0.000+/-0.000 χ²/NDF: 3253785.8/29
Right: 0.000+/-0.000 χ²/NDF: 4909837.4/34
In: 0.000+/-0.000 χ²/NDF:5568976.4/29
Out: 0.000+/-0.000 χ²/NDF:7045592.7/34
All: 0.000+/-0.000 χ²/NDF: 13114110.9/64


reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: 149.303+/-39.687 χ²/NDF: 8.0/15
Left Out: -3.060+/-24.643 χ²/NDF:20.8/15
Right Out: 22.549+/-40.100 χ²/NDF: 14.2/18
Left In: 15.592+/-25.942 χ²/NDF:10.7/13
Left: 5.788+/-17.867 χ²/NDF: 31.8/29
Right: 86.583+/-28.208 χ²/NDF: 27.3/34
In: 55.620+/-21.714 χ²/NDF:26.7/29
Out: 3.960+/-20.996 χ²/NDF:35.3/34
All: 28.921+/-15.094 χ²/NDF: 64.9/64



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.778+/-0.017 χ^2/NDF:390279.8/15

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 87.176+/-0.018 χ^2/NDF:364756.2/13

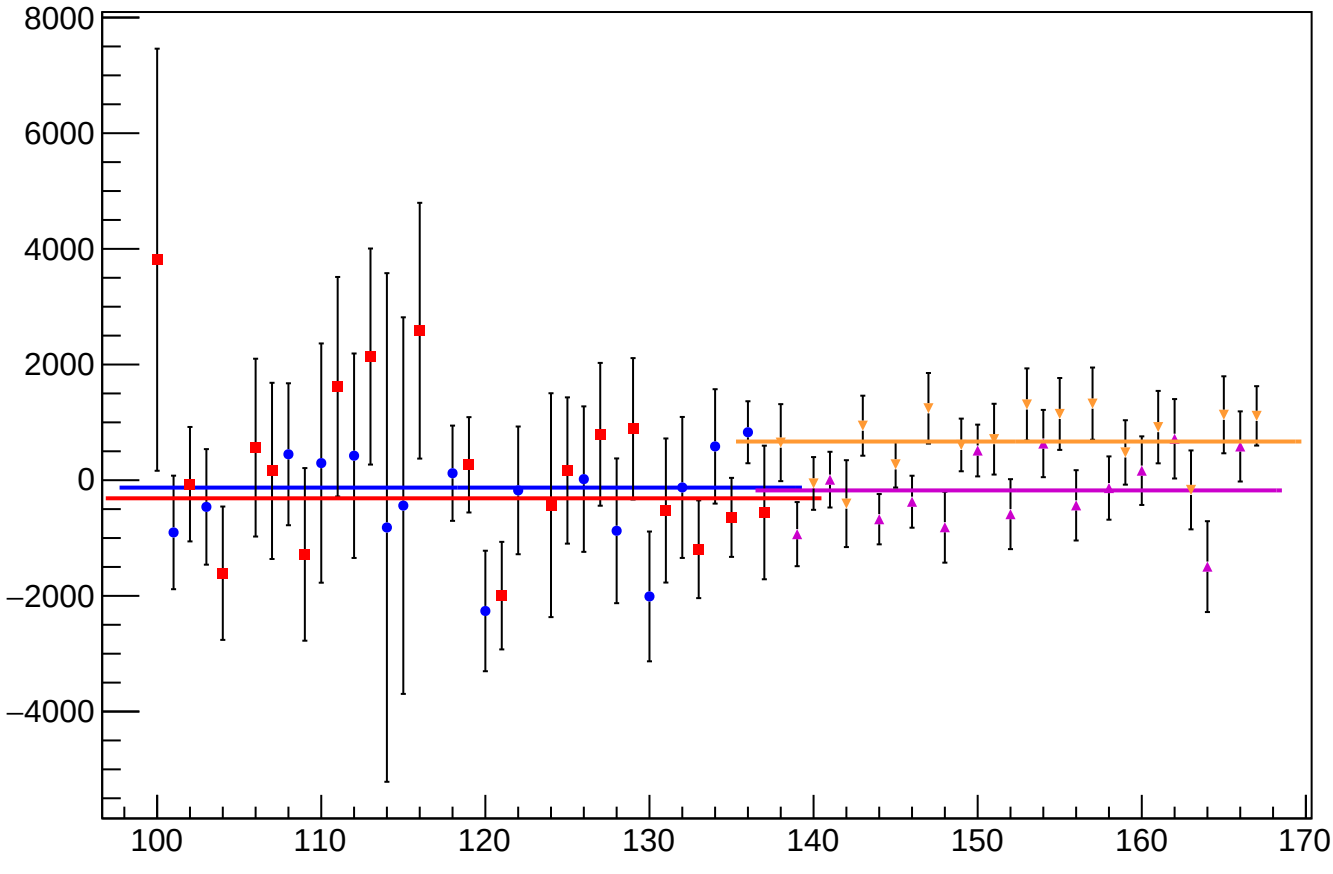
Left: 86.967+/-0.013 χ^2/NDF: 755282.9/29

Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 92.555+/-0.015 χ^2/NDF:1060472.2/29

Out: 92.660+/-0.015 χ^2/NDF:1155779.0/34

All: 92.609+/-0.011 χ^2/NDF: 2216275.0/64



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 668.649+/-140.488 χ^2/NDF:12.5/15

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -176.541+/-146.660 χ^2/NDF:16.0/13

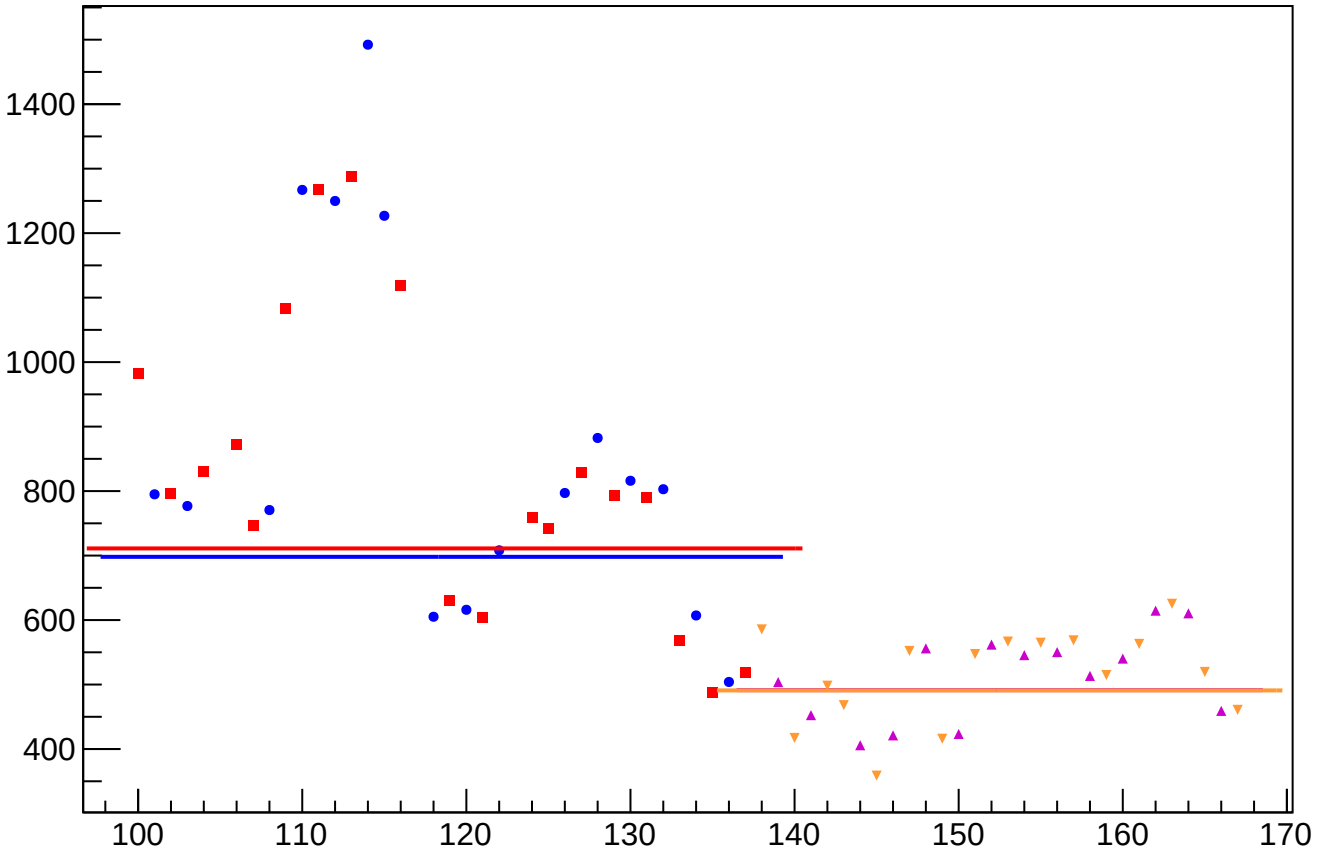
Left: 264.215+/-101.452 χ^2/NDF: 45.8/29

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -165.407+/-128.723 χ^2/NDF:28.3/29

Out: 459.656+/-124.639 χ^2/NDF:37.9/34

All: 157.198+/-89.542 χ^2/NDF: 78.3/64



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 490.906+/-0.099 χ^2/NDF:613109.9/15

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 491.344+/-0.104 χ^2/NDF:404748.3/13

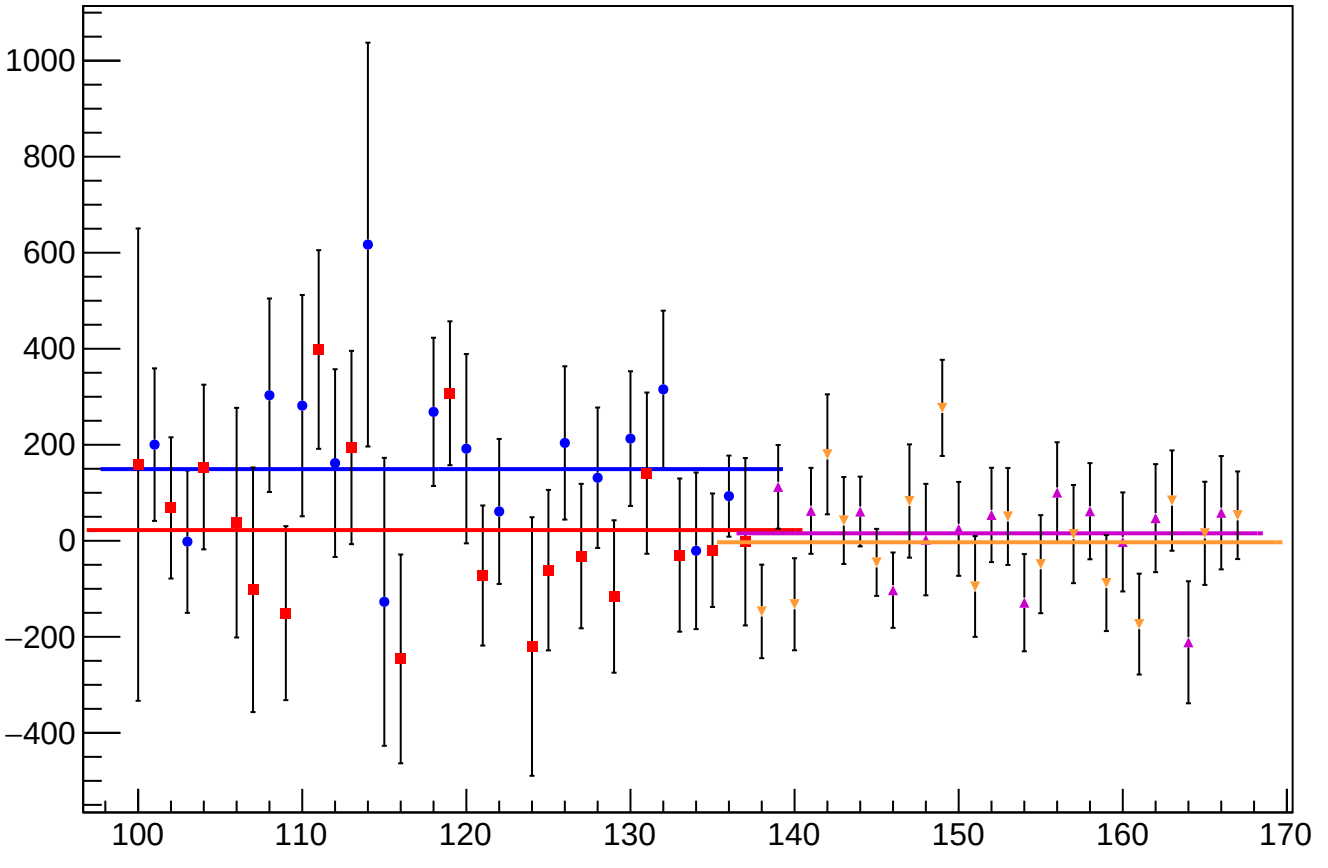
Left: 491.116+/-0.072 χ^2/NDF: 1017867.5/29

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 538.815+/-0.091 χ^2/NDF:2230017.9/29

Out: 537.781+/-0.088 χ^2/NDF:2694096.8/34

All: 538.282+/-0.063 χ^2/NDF: 4924181.3/64



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.062+/-24.643 χ^2/NDF:20.8/15

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 15.593+/-25.942 χ^2/NDF:10.7/13

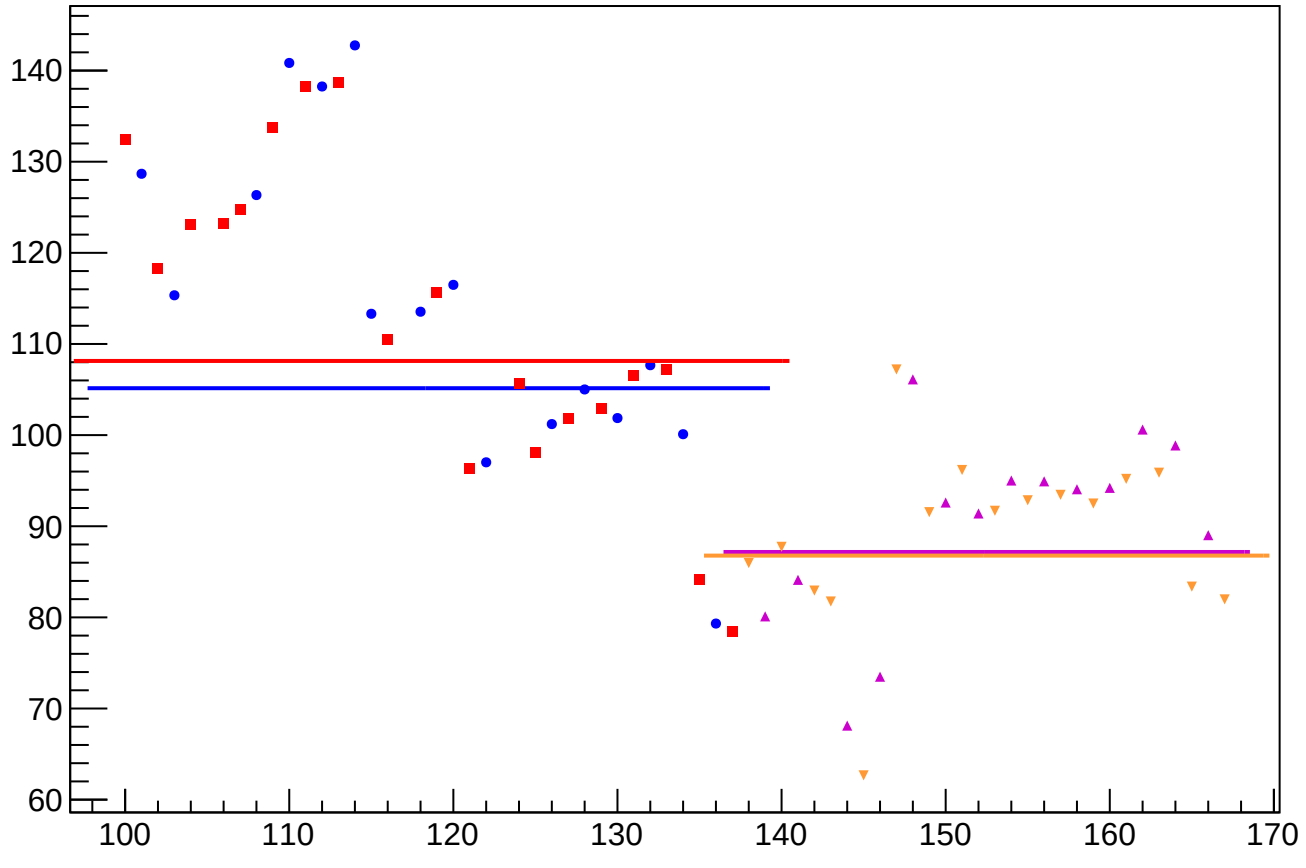
Left: 5.787+/-17.867 χ^2/NDF: 31.8/29

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 55.618+/-21.714 χ^2/NDF:26.7/29

Out: 3.884+/-20.999 χ^2/NDF:35.3/34

All: 28.885+/-15.095 χ^2/NDF: 64.9/64



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.778+/-0.017 χ^2/NDF:390279.8/15

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.176+/-0.018 χ^2/NDF:364756.2/13

Left: 86.967+/-0.013 χ^2/NDF: 755282.9/29

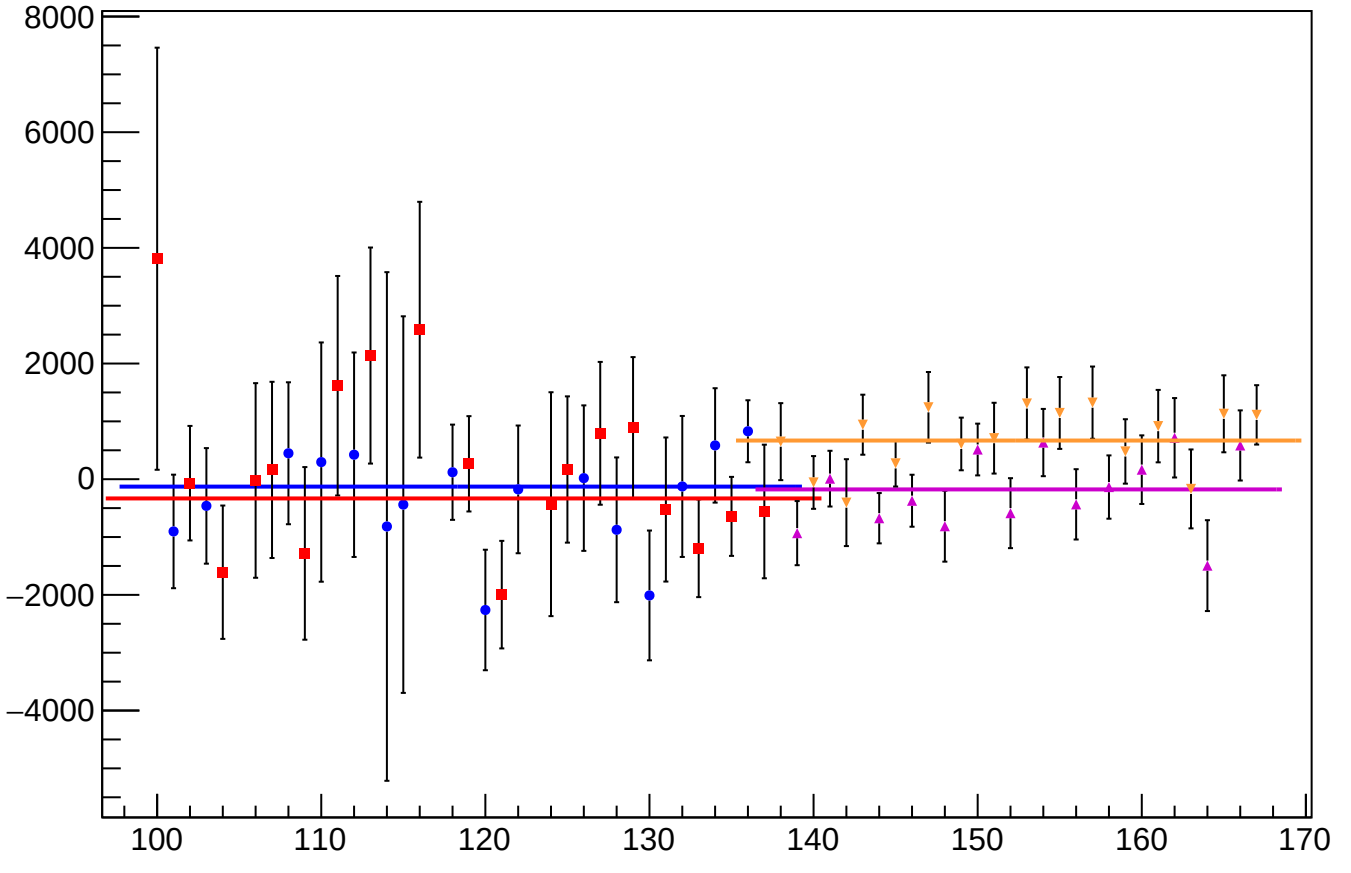
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.555+/-0.015 χ^2/NDF:1060472.5/29

Out: 92.628+/-0.015 χ^2/NDF:1148110.1/34

All: 92.593+/-0.011 χ^2/NDF: 2208594.3/64

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 668.648+/-140.488 χ^2/NDF:12.5/15

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -176.540+/-146.660 χ^2/NDF:16.0/13

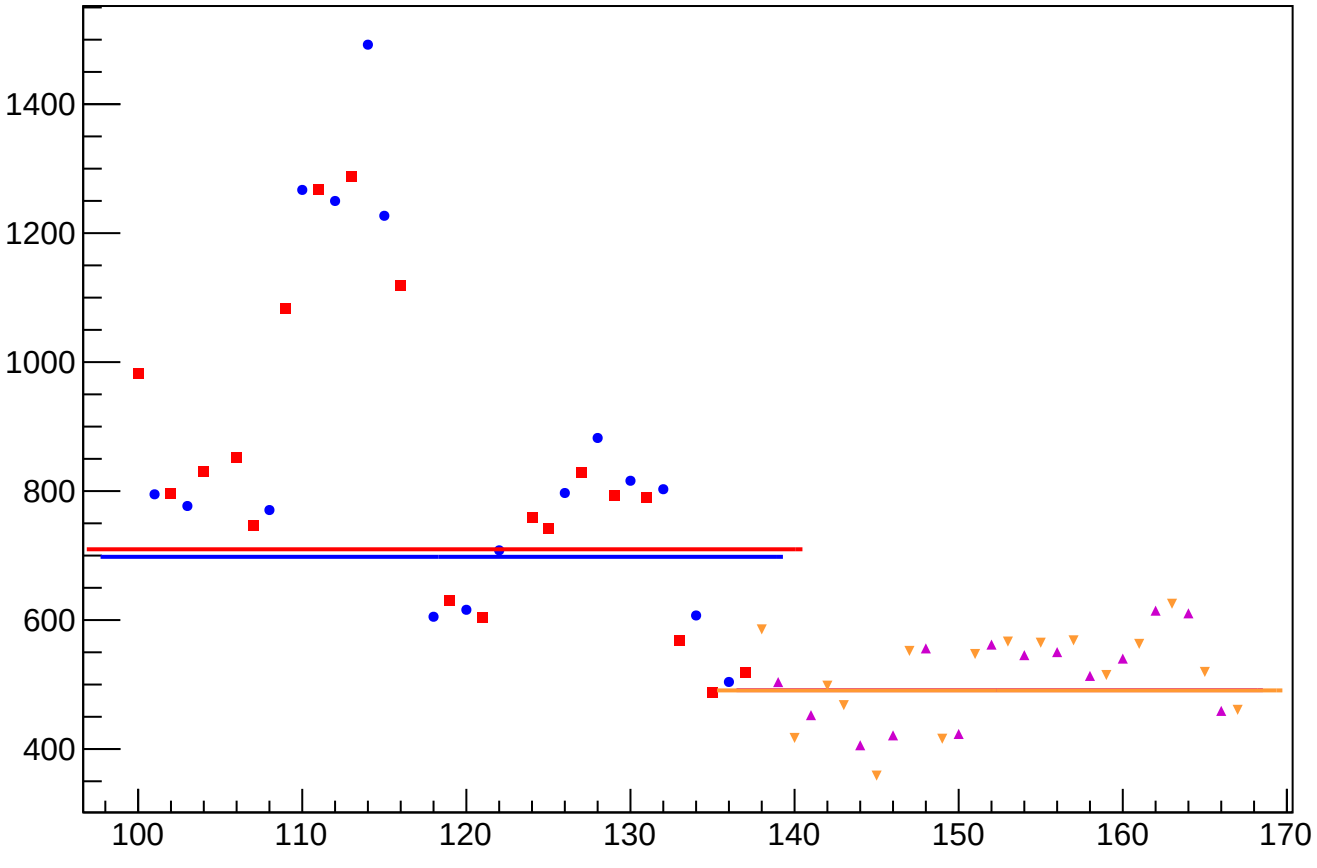
Left: 264.215+/-101.452 χ^2/NDF: 45.8/29

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -165.403+/-128.723 χ^2/NDF:28.3/29

Out: 456.349+/-124.708 χ^2/NDF:37.9/34

All: 155.320+/-89.568 χ^2/NDF: 78.3/64



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 490.906+/-0.099 χ^2/NDF:613110.1/15

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 491.345+/-0.104 χ^2/NDF:404748.3/13

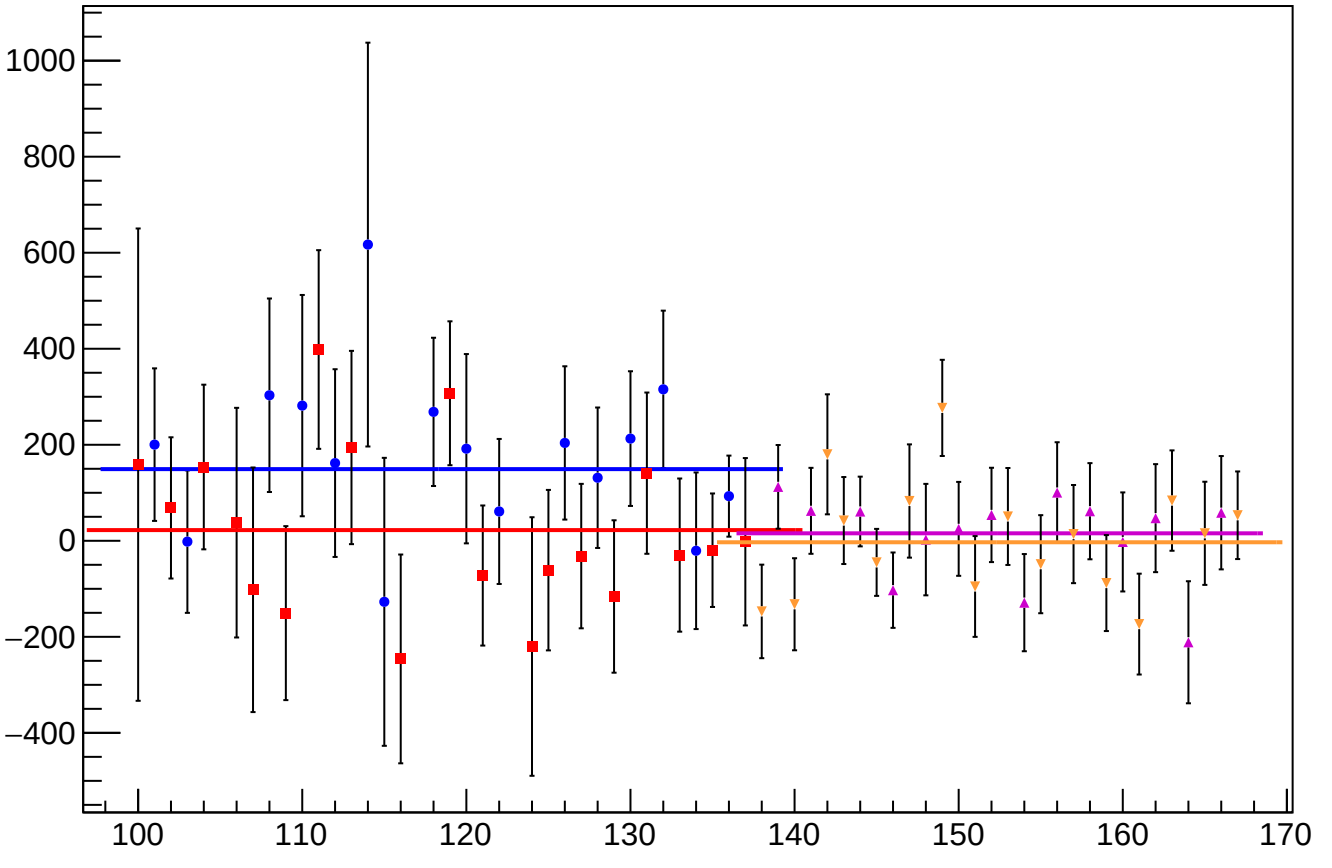
Left: 491.116+/-0.072 χ^2/NDF: 1017867.8/29

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.816+/-0.091 χ^2/NDF:2230029.5/29

Out: 537.305+/-0.088 χ^2/NDF:2669177.8/34

All: 538.037+/-0.063 χ^2/NDF: 4899349.2/64



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.062+/-24.643 χ^2/NDF:20.8/15

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 15.593+/-25.942 χ^2/NDF:10.7/13

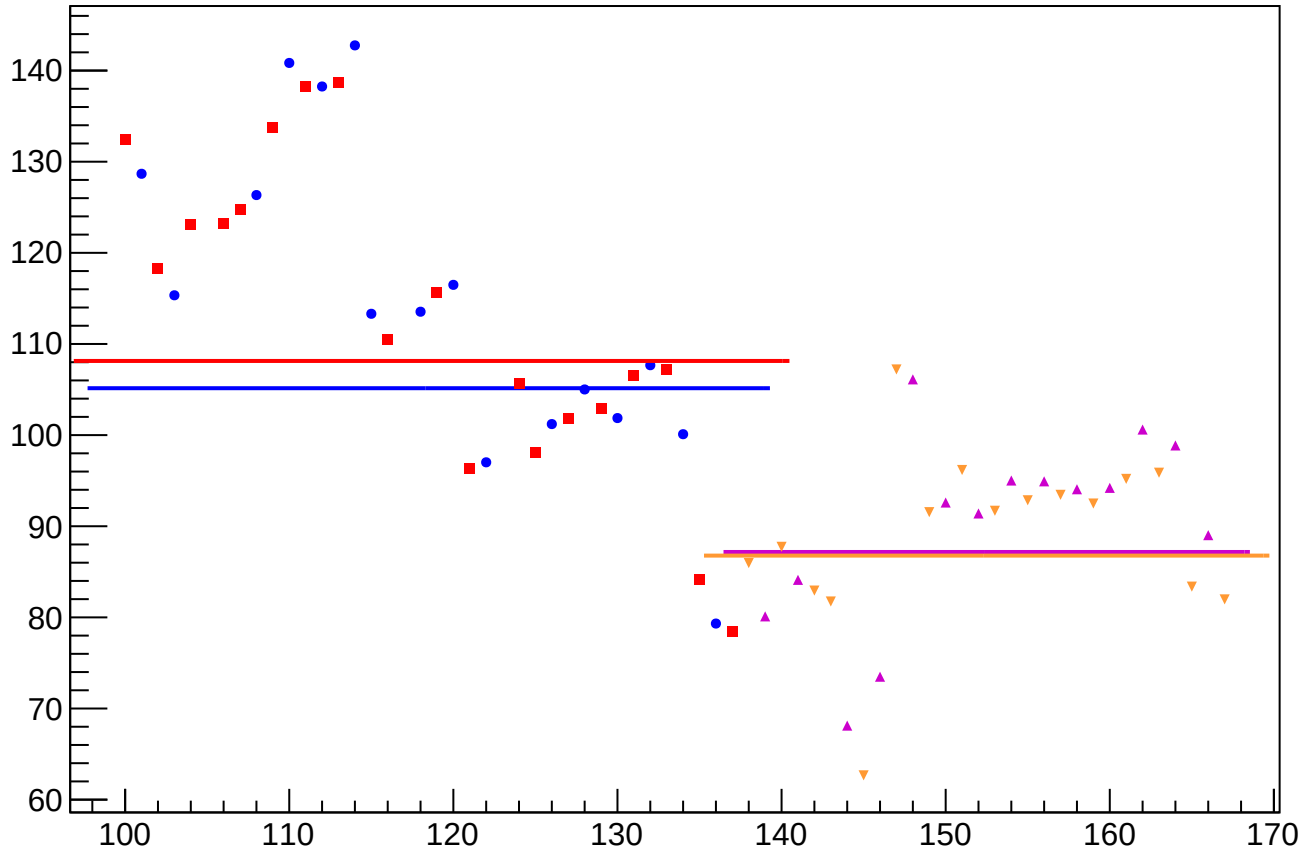
Left: 5.787+/-17.867 χ^2/NDF: 31.8/29

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 55.618+/-21.714 χ^2/NDF:26.7/29

Out: 3.884+/-20.999 χ^2/NDF:35.3/34

All: 28.885+/-15.095 χ^2/NDF: 64.9/64



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.778+/-0.017 χ^2/NDF:390279.8/15

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.176+/-0.018 χ^2/NDF:364756.2/13

Left: 86.967+/-0.013 χ^2/NDF: 755282.9/29

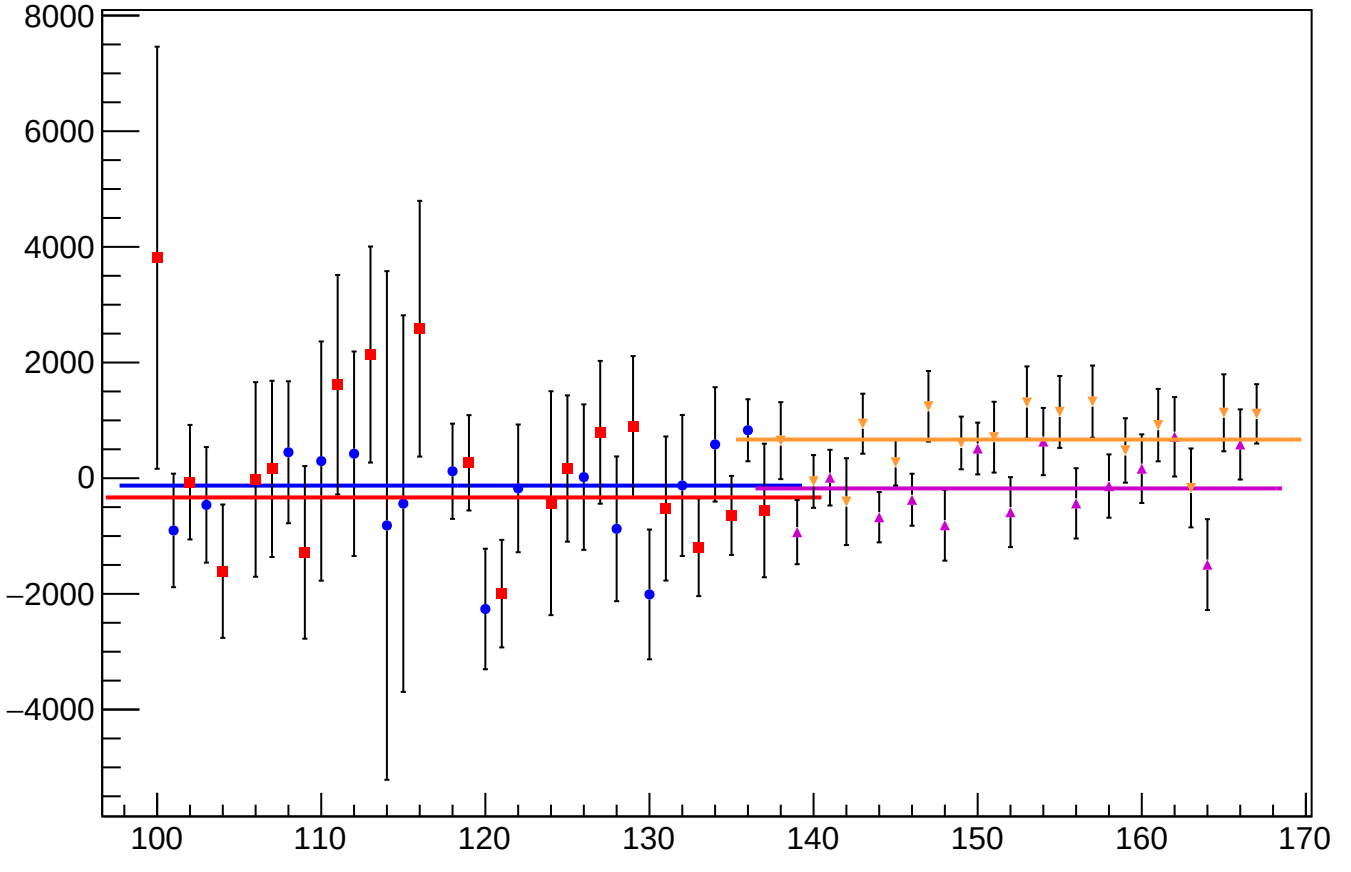
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.555+/-0.015 χ^2/NDF:1060472.5/29

Out: 92.628+/-0.015 χ^2/NDF:1148110.1/34

All: 92.593+/-0.011 χ^2/NDF: 2208594.3/64

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 668.648+/-140.488 χ^2/NDF:12.5/15

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -176.540+/-146.660 χ^2/NDF:16.0/13

Left: 264.215+/-101.452 χ^2/NDF: 45.8/29

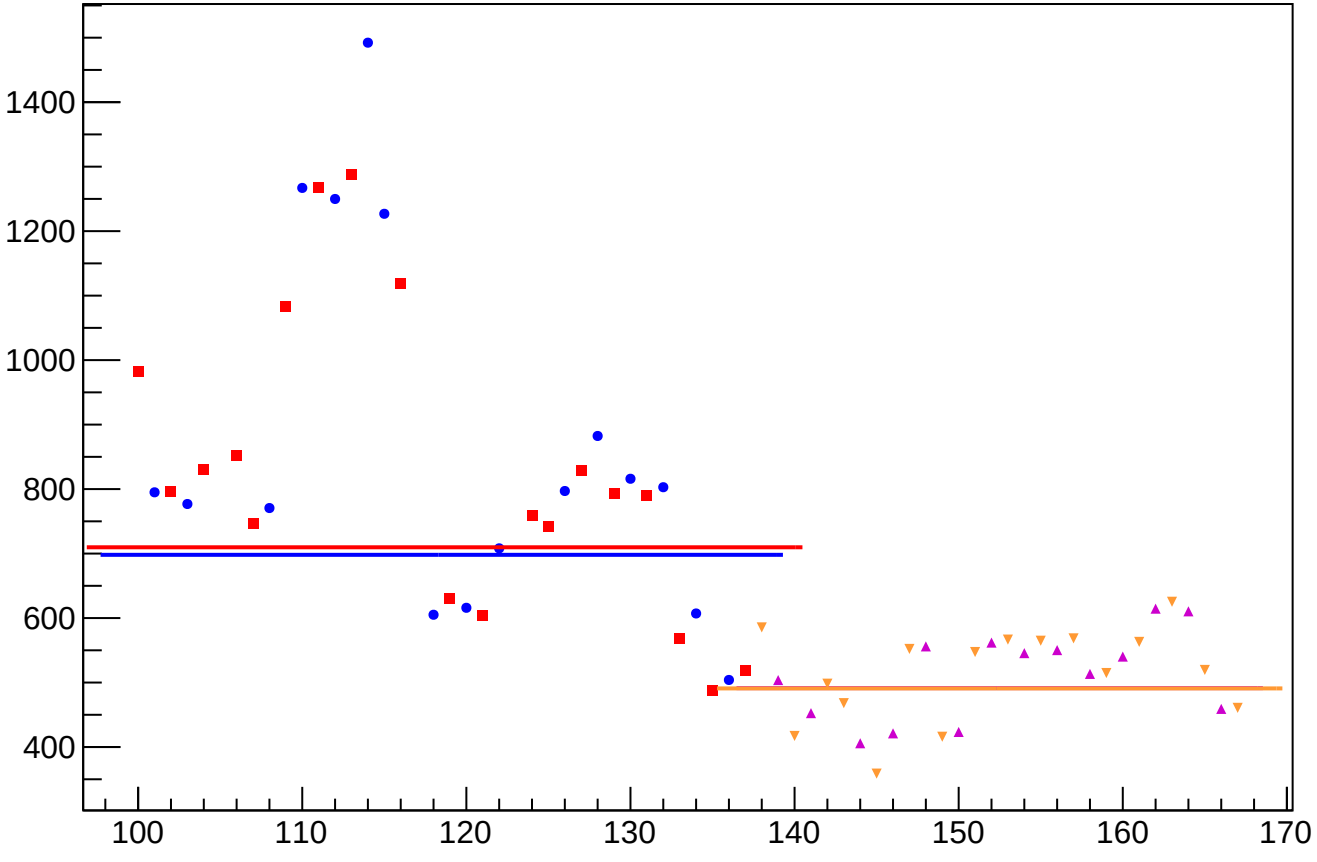
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -165.403+/-128.723 χ^2/NDF:28.3/29

Out: 456.349+/-124.708 χ^2/NDF:37.9/34

All: 155.320+/-89.568 χ^2/NDF: 78.3/64

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 490.906+/-0.099 χ^2/NDF:613110.1/15

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 491.345+/-0.104 χ^2/NDF:404748.3/13

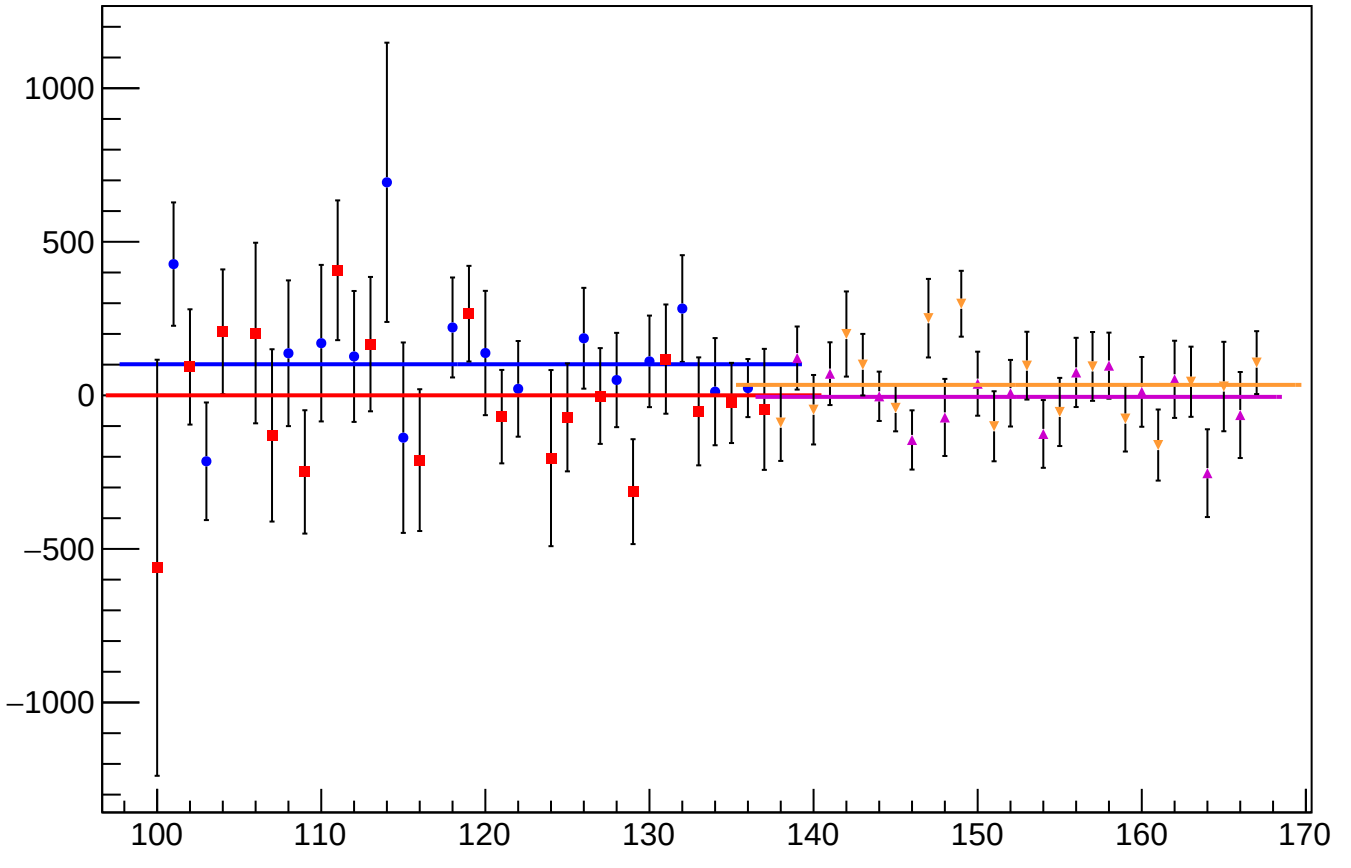
Left: 491.116+/-0.072 χ^2/NDF: 1017867.8/29

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.816+/-0.091 χ^2/NDF:2230029.5/29

Out: 537.305+/-0.088 χ^2/NDF:2669177.8/34

All: 538.037+/-0.063 χ^2/NDF: 4899349.2/64



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 34.108+/-27.582 χ^2/NDF:20.3/15

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -4.940+/-29.089 χ^2/NDF:10.7/13

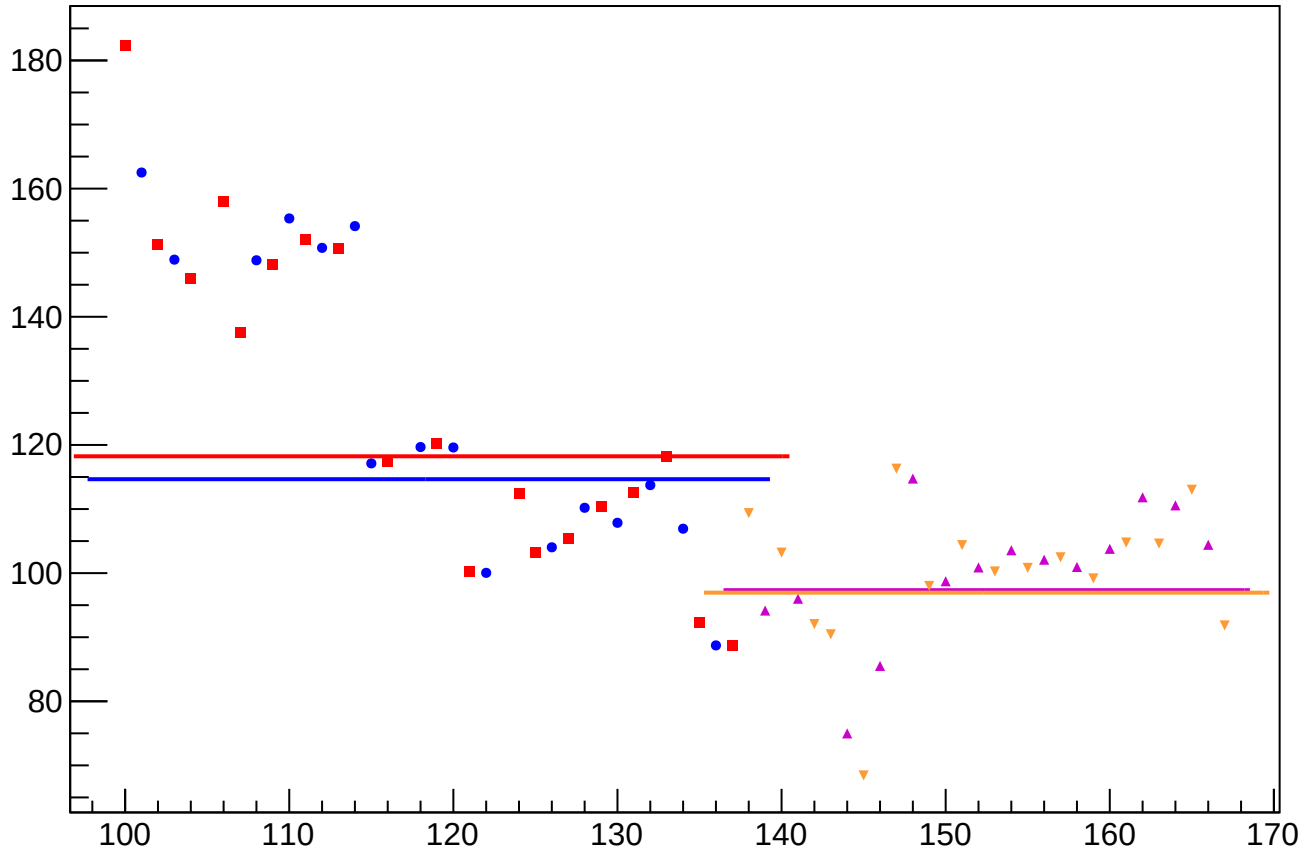
Left: 15.622+/-20.015 χ^2/NDF: 31.9/29

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 27.872+/-24.182 χ^2/NDF:25.8/29

Out: 24.532+/-23.375 χ^2/NDF:37.4/34

All: 26.146+/-16.807 χ^2/NDF: 63.2/64



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.950+/-0.020 χ^2/NDF:427460.4/15

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 97.339+/-0.021 χ^2/NDF:295737.8/13

Left: 97.134+/-0.014 χ^2/NDF: 723386.6/29

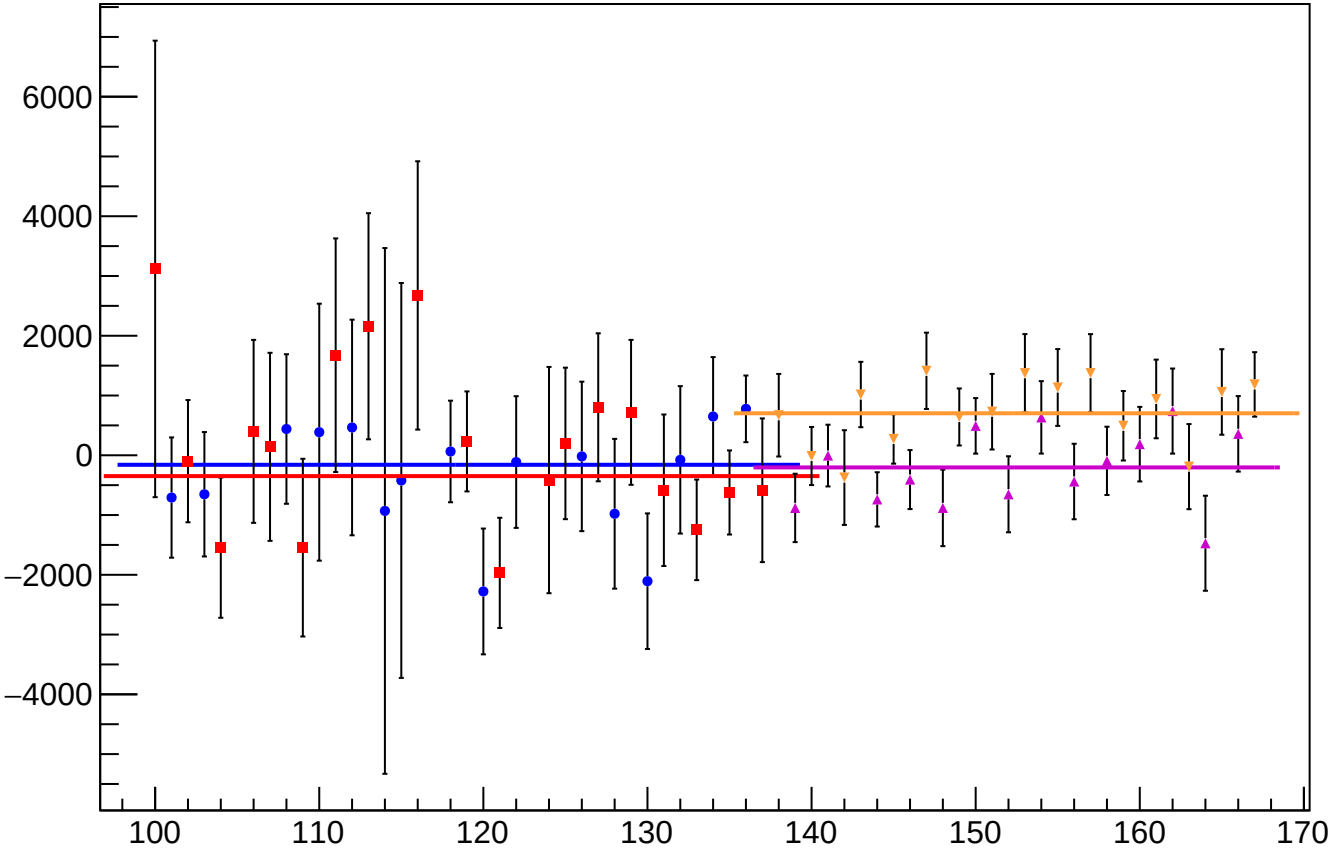
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.688+/-0.017 χ^2/NDF:1046621.3/29

Out: 102.947+/-0.017 χ^2/NDF:1246336.1/34

All: 102.822+/-0.012 χ^2/NDF: 2293075.6/64

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 702.752+/-147.141 χ^2/NDF:12.1/15

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -203.336+/-153.910 χ^2/NDF:14.5/13

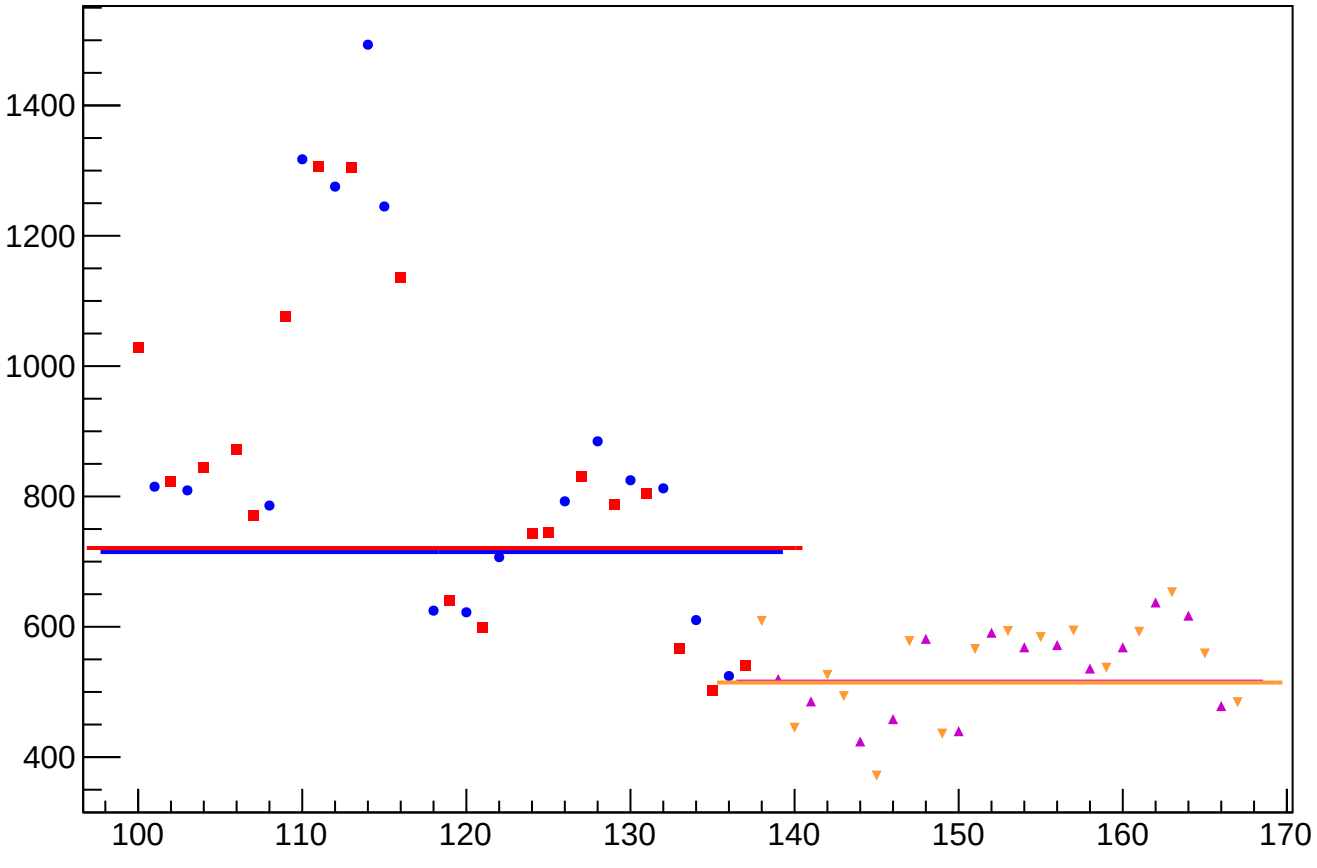
Left: 270.072+/-106.357 χ^2/NDF: 44.8/29

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -192.761+/-134.255 χ^2/NDF:26.5/29

Out: 466.901+/-129.589 χ^2/NDF:37.9/34

All: 148.732+/-93.239 χ^2/NDF: 76.9/64



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 514.479+/-0.104 χ^2/NDF:609959.2/15

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 515.847+/-0.109 χ^2/NDF:363625.3/13

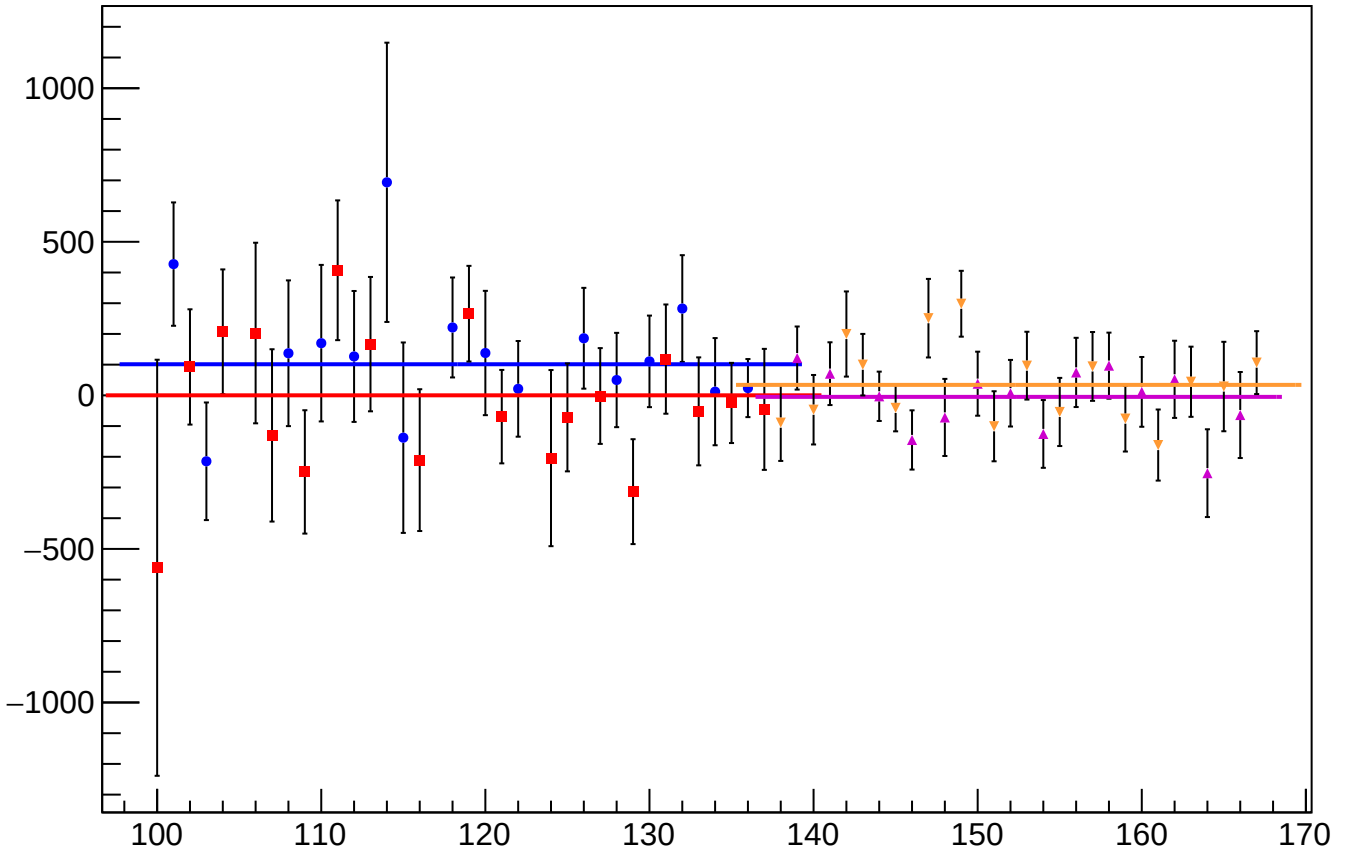
Left: 515.132+/-0.075 χ^2/NDF: 973667.0/29

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 563.386+/-0.095 χ^2/NDF:2037845.0/29

Out: 560.785+/-0.092 χ^2/NDF:2511320.2/34

All: 562.040+/-0.066 χ^2/NDF: 4549553.7/64



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 34.107+/-27.582 χ^2/NDF:20.3/15

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -4.941+/-29.089 χ^2/NDF:10.7/13

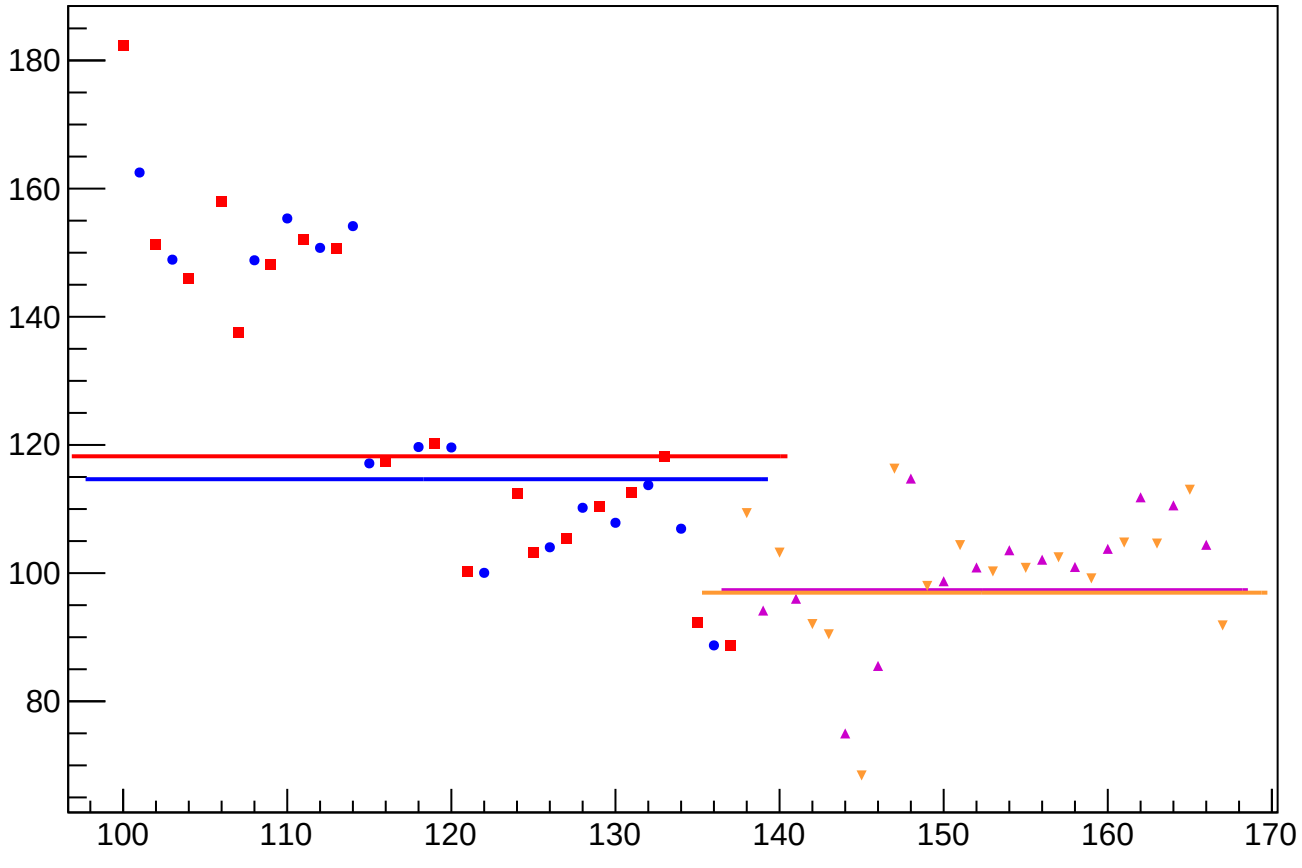
Left: 15.621+/-20.015 χ^2/NDF: 31.9/29

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 27.871+/-24.182 χ^2/NDF:25.8/29

Out: 24.531+/-23.375 χ^2/NDF:37.4/34

All: 26.144+/-16.807 χ^2/NDF: 63.2/64



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.950+/-0.020 χ^2/NDF:427467.7/15

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 97.339+/-0.021 χ^2/NDF:295737.9/13

Left: 97.134+/-0.014 χ^2/NDF: 723394.0/29

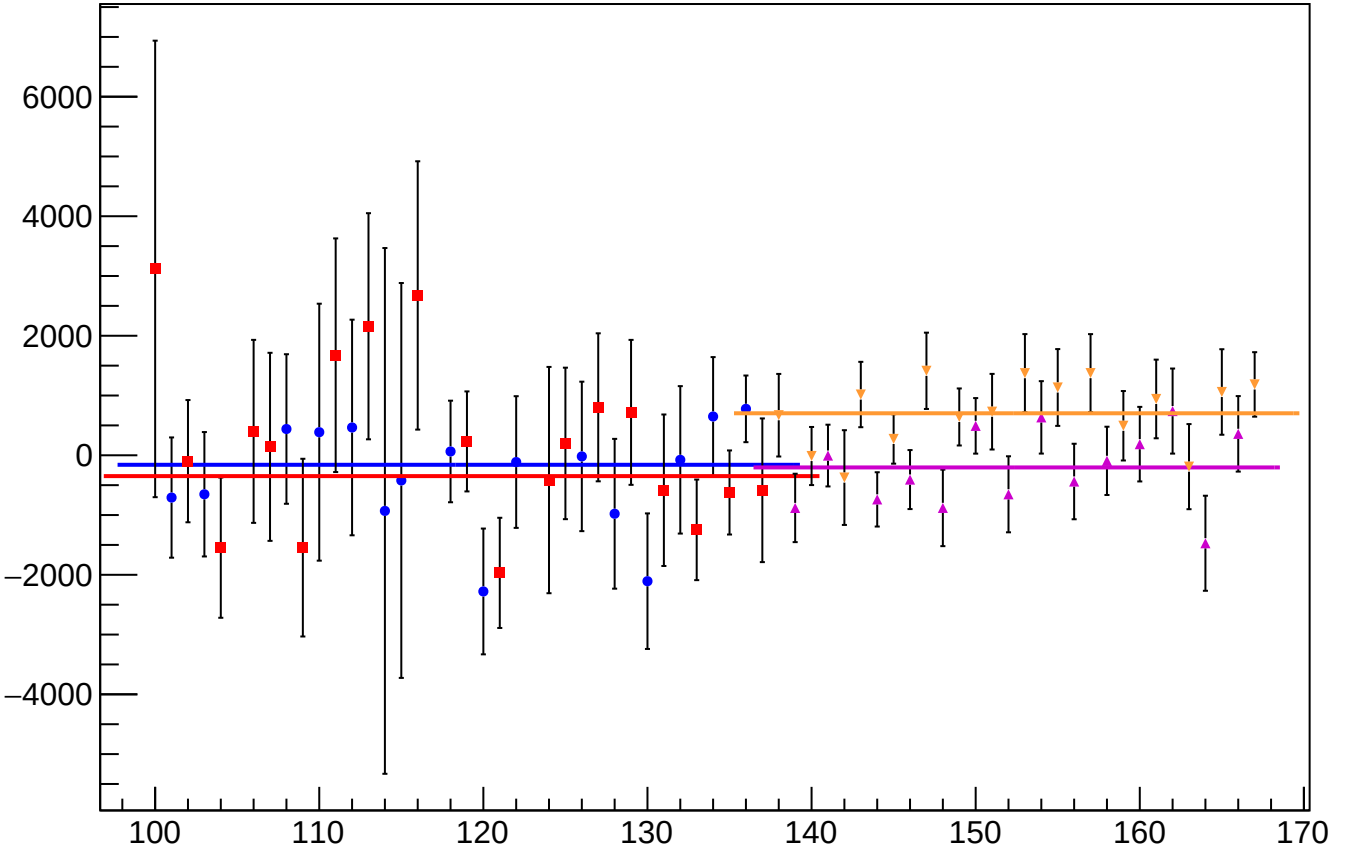
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.688+/-0.017 χ^2/NDF:1046610.2/29

Out: 102.947+/-0.017 χ^2/NDF:1246336.8/34

All: 102.822+/-0.012 χ^2/NDF: 2293065.0/64

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 702.751+/-147.141 χ^2/NDF:12.1/15

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -203.336+/-153.910 χ^2/NDF:14.5/13

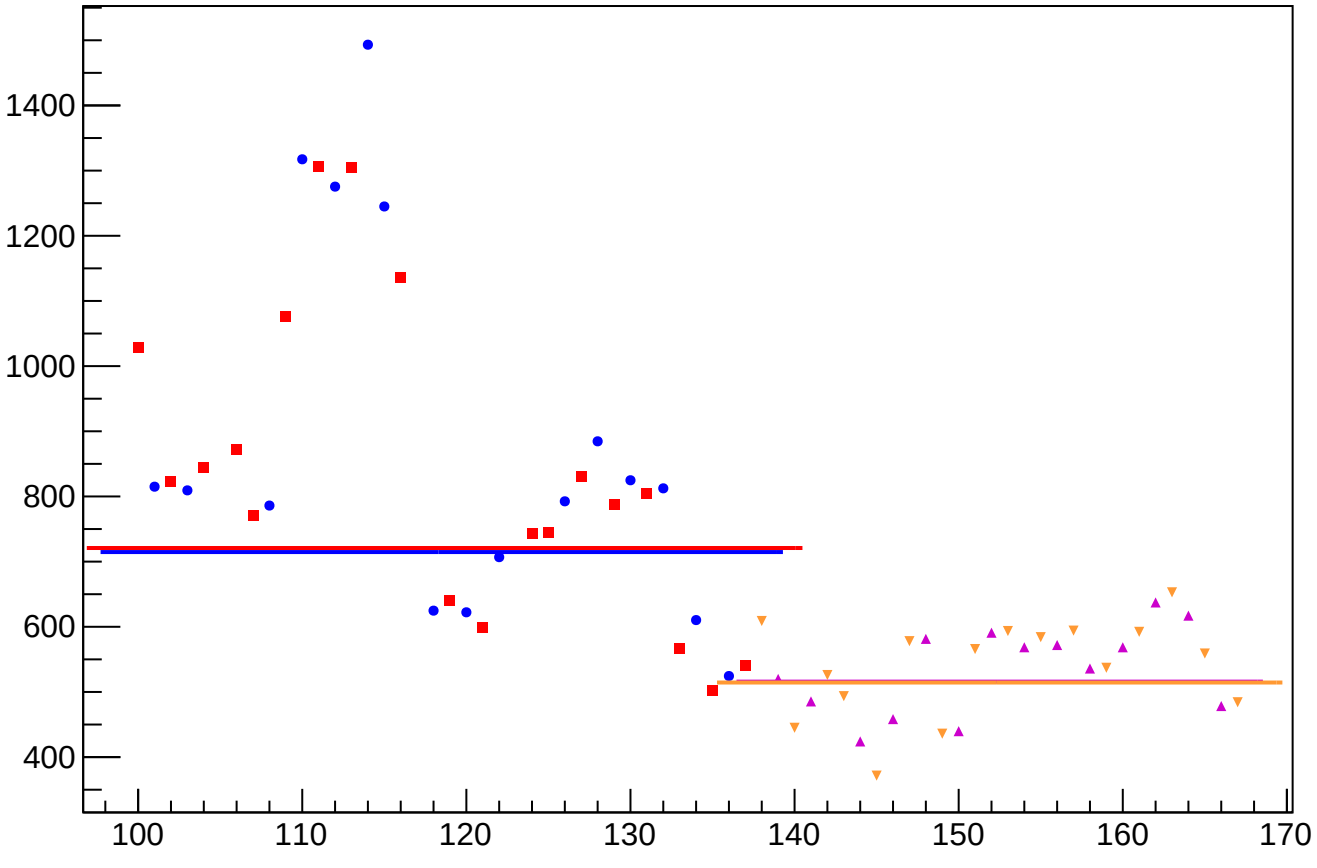
Left: 270.071+/-106.357 χ^2/NDF: 44.8/29

Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -192.762+/-134.255 χ^2/NDF:26.5/29

Out: 466.900+/-129.589 χ^2/NDF:37.9/34

All: 148.731+/-93.239 χ^2/NDF: 76.9/64



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 514.479+/-0.104 χ^2/NDF:609961.6/15

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 515.847+/-0.109 χ^2/NDF:363624.2/13

Left: 515.132+/-0.075 χ^2/NDF: 973668.3/29

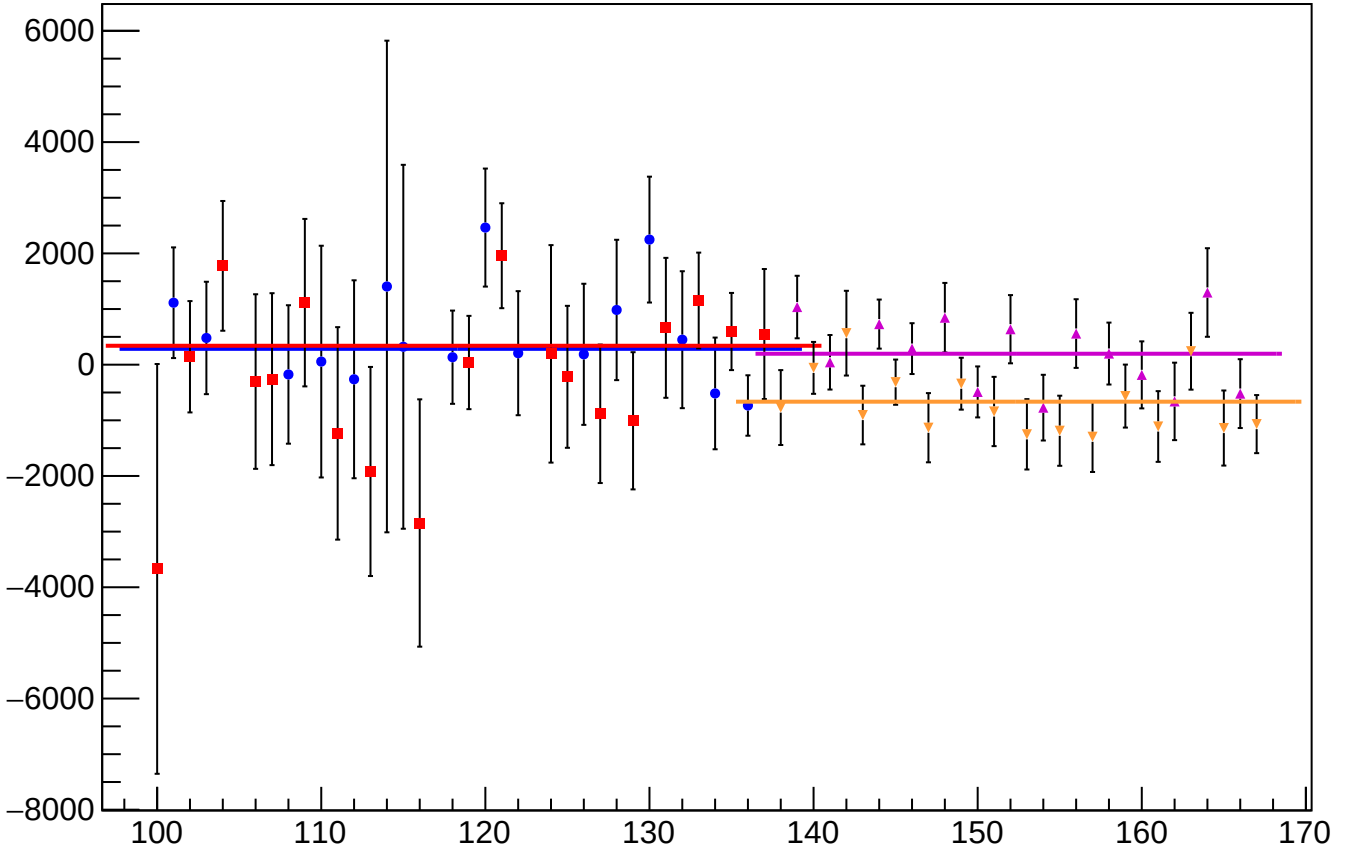
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 563.386+/-0.095 χ^2/NDF:2037837.1/29

Out: 560.785+/-0.092 χ^2/NDF:2511315.1/34

All: 562.040+/-0.066 χ^2/NDF: 4549540.7/64

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -664.937+/-142.802 χ^2/NDF:12.3/15

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 196.571+/-149.079 χ^2/NDF:15.9/13

Left: -252.702+/-103.124 χ^2/NDF: 45.6/29

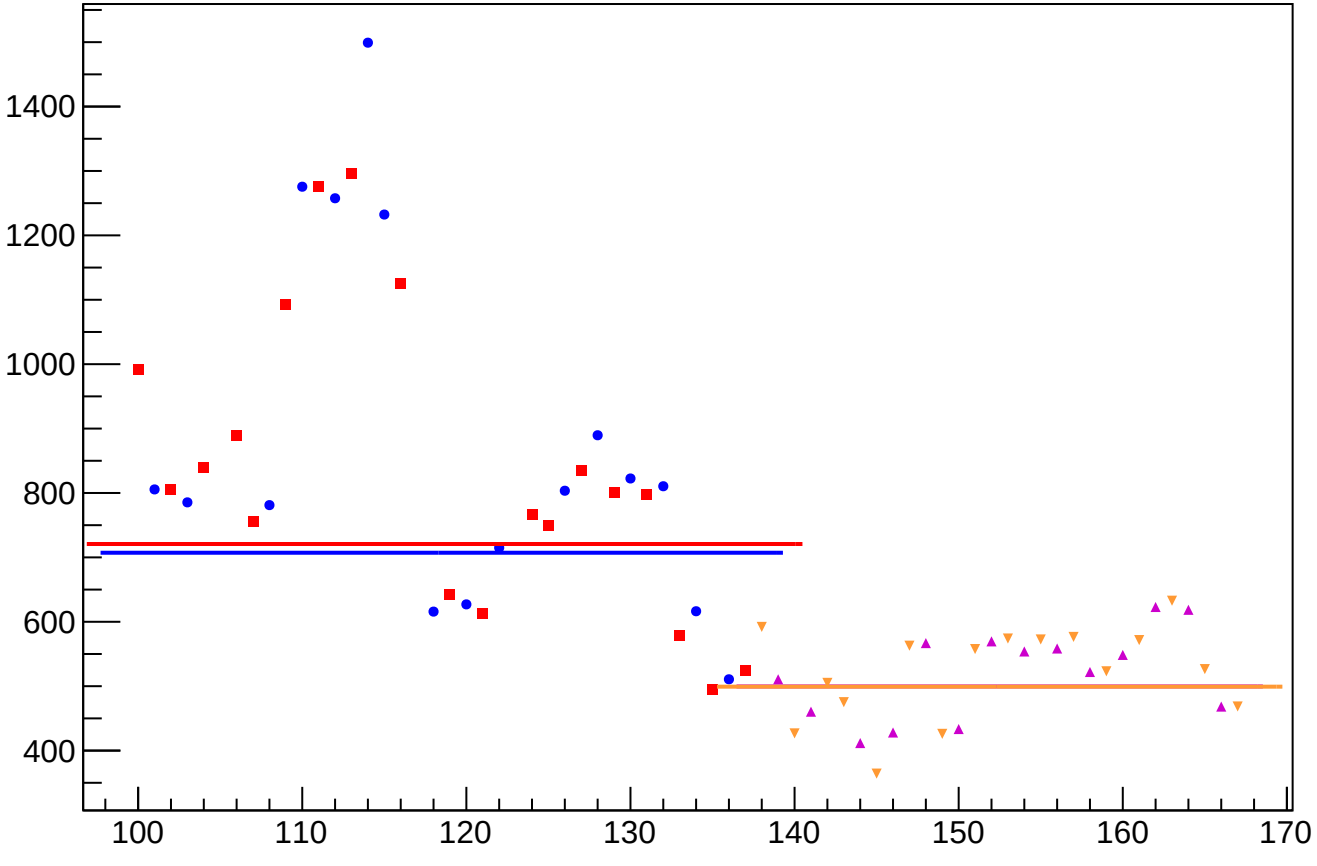
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 216.954+/-130.725 χ^2/NDF:28.7/29

Out: -449.784+/-126.596 χ^2/NDF:37.0/34

All: -127.111+/-90.941 χ^2/NDF: 79.1/64

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 499.253+/-0.101 χ^2/NDF:598738.5/15

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 499.610+/-0.105 χ^2/NDF:397351.8/13

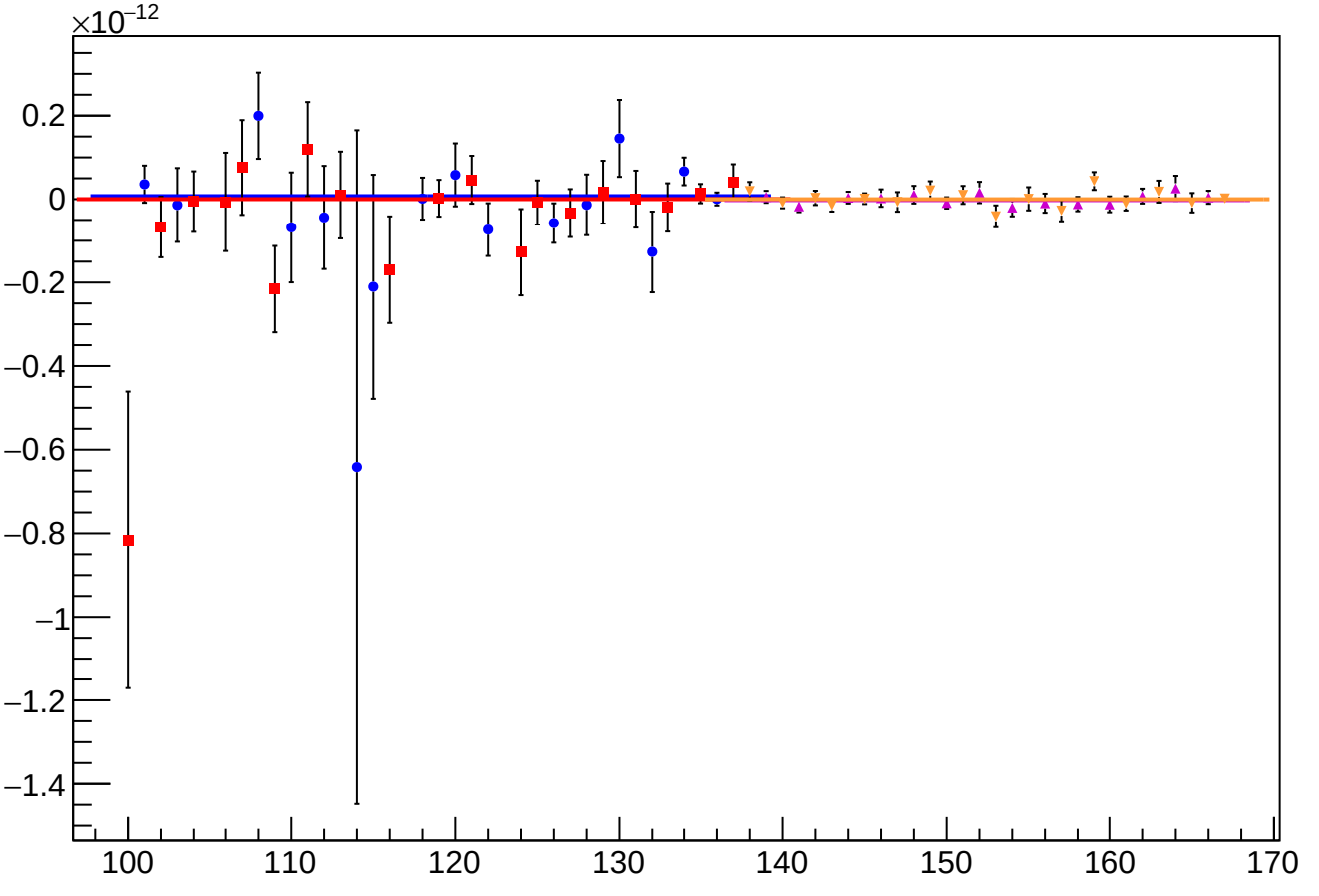
Left: 499.424+/-0.073 χ^2/NDF: 996096.3/29

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 547.581+/-0.092 χ^2/NDF:2190246.6/29

Out: 546.680+/-0.090 χ^2/NDF:2644421.5/34

All: 547.116+/-0.064 χ^2/NDF: 4834717.2/64



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/13

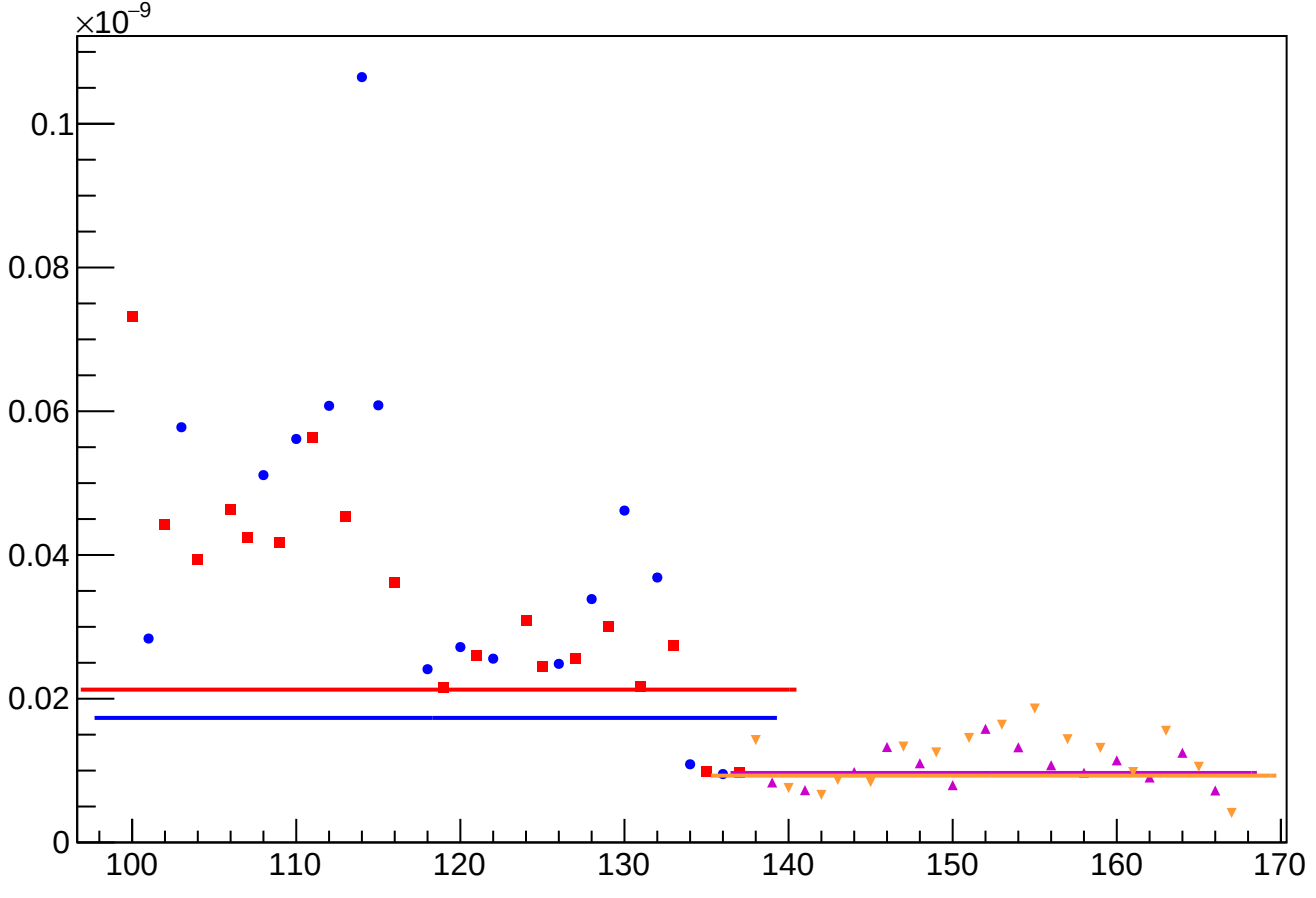
Left: -0.000+/-0.000 χ^2/NDF: 17.7/29

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:23.4/29

Out: -0.000+/-0.000 χ^2/NDF:29.9/34

All: -0.000+/-0.000 χ^2/NDF: 53.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1675938.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:434580.2/13

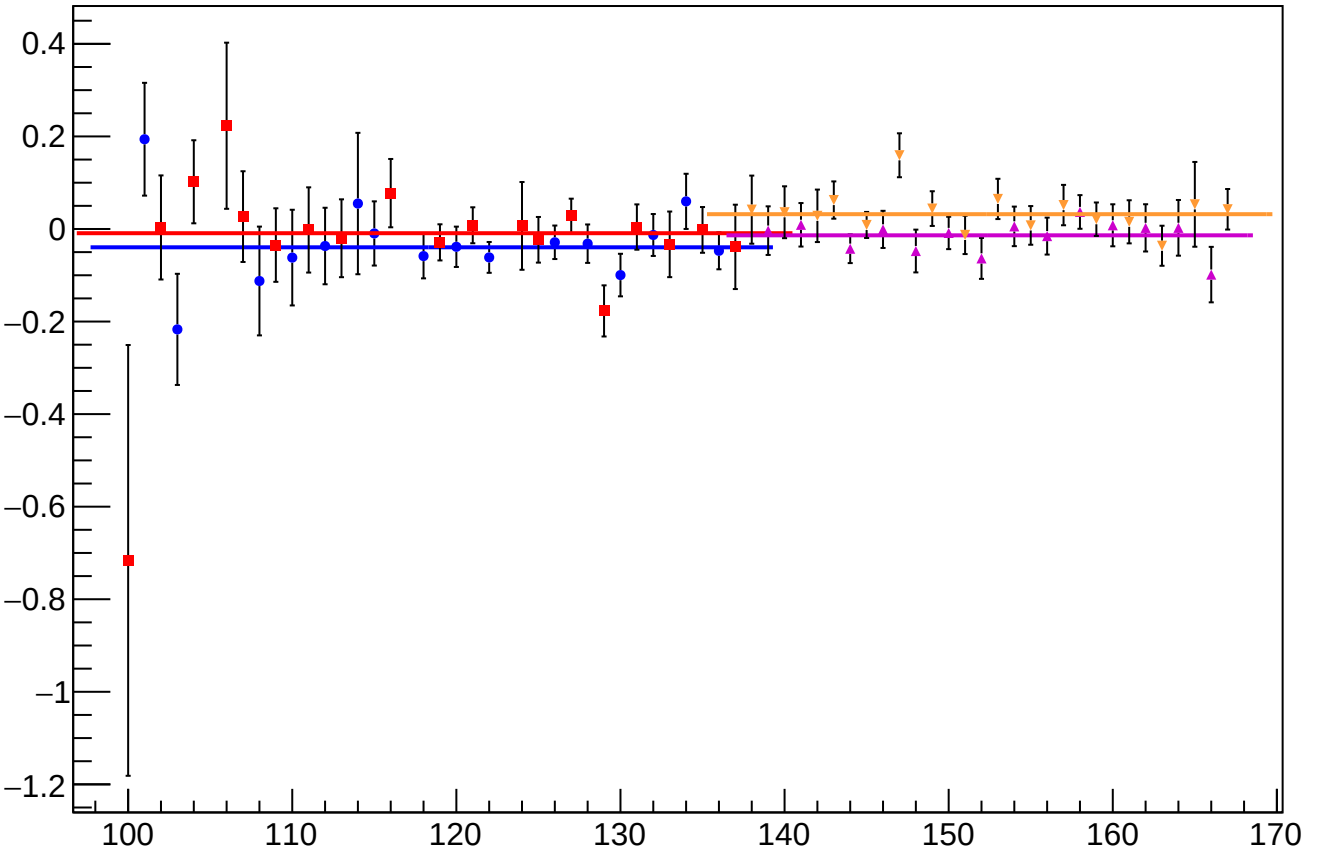
Left: 0.000+/-0.000 χ^2/NDF: 2117143.9/29

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3565105.9/29

Out: 0.000+/-0.000 χ^2/NDF:4788337.3/34

All: 0.000+/-0.000 χ^2/NDF: 8359284.9/64



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.014+/-0.011 χ^2/NDF:7.6/13

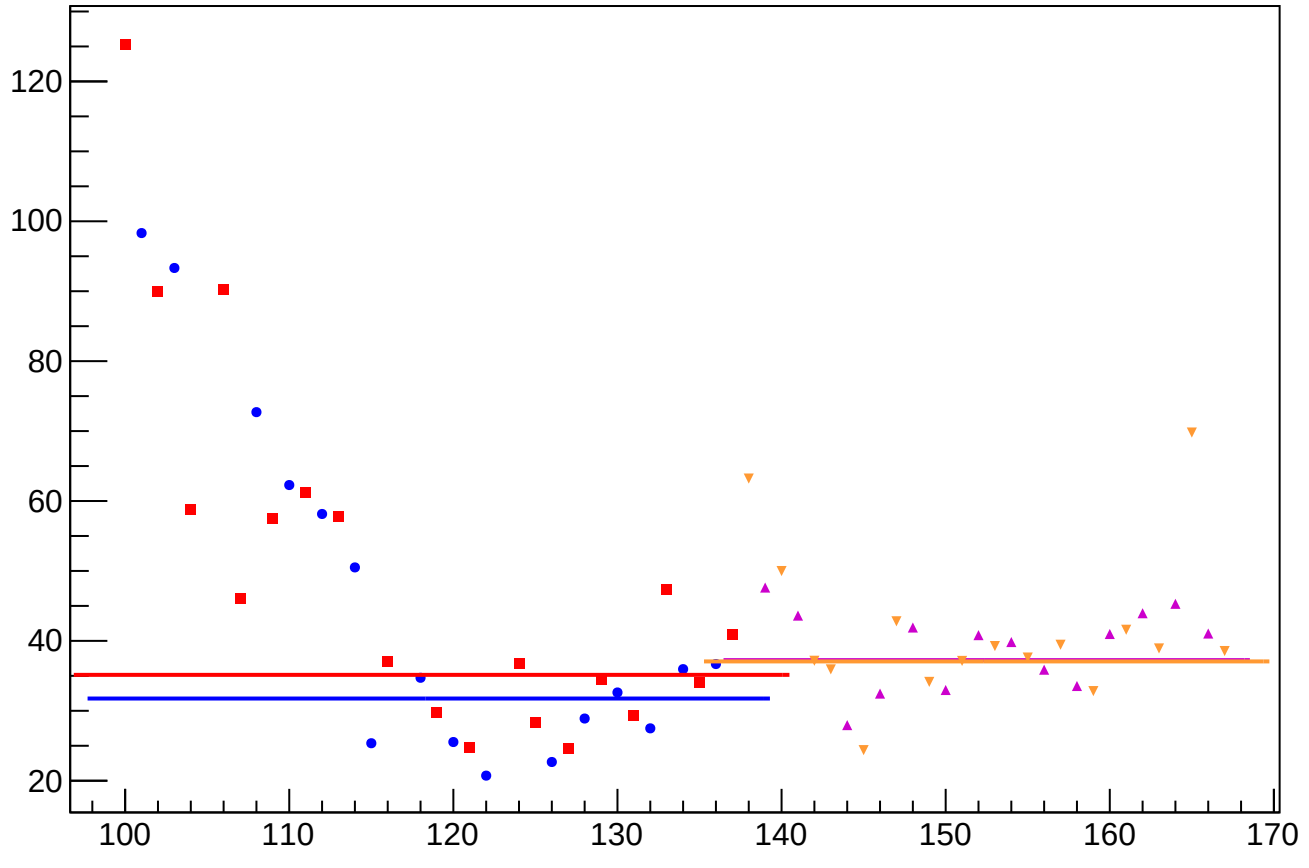
Left: 0.010+/-0.008 χ^2/NDF: 29.7/29

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:22.2/29

Out: 0.017+/-0.009 χ^2/NDF:37.3/34

All: -0.004+/-0.006 χ^2/NDF: 71.1/64



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 37.062+/-0.008 χ^2/NDF:1127242.5/15

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.248+/-0.008 χ^2/NDF:507700.6/13

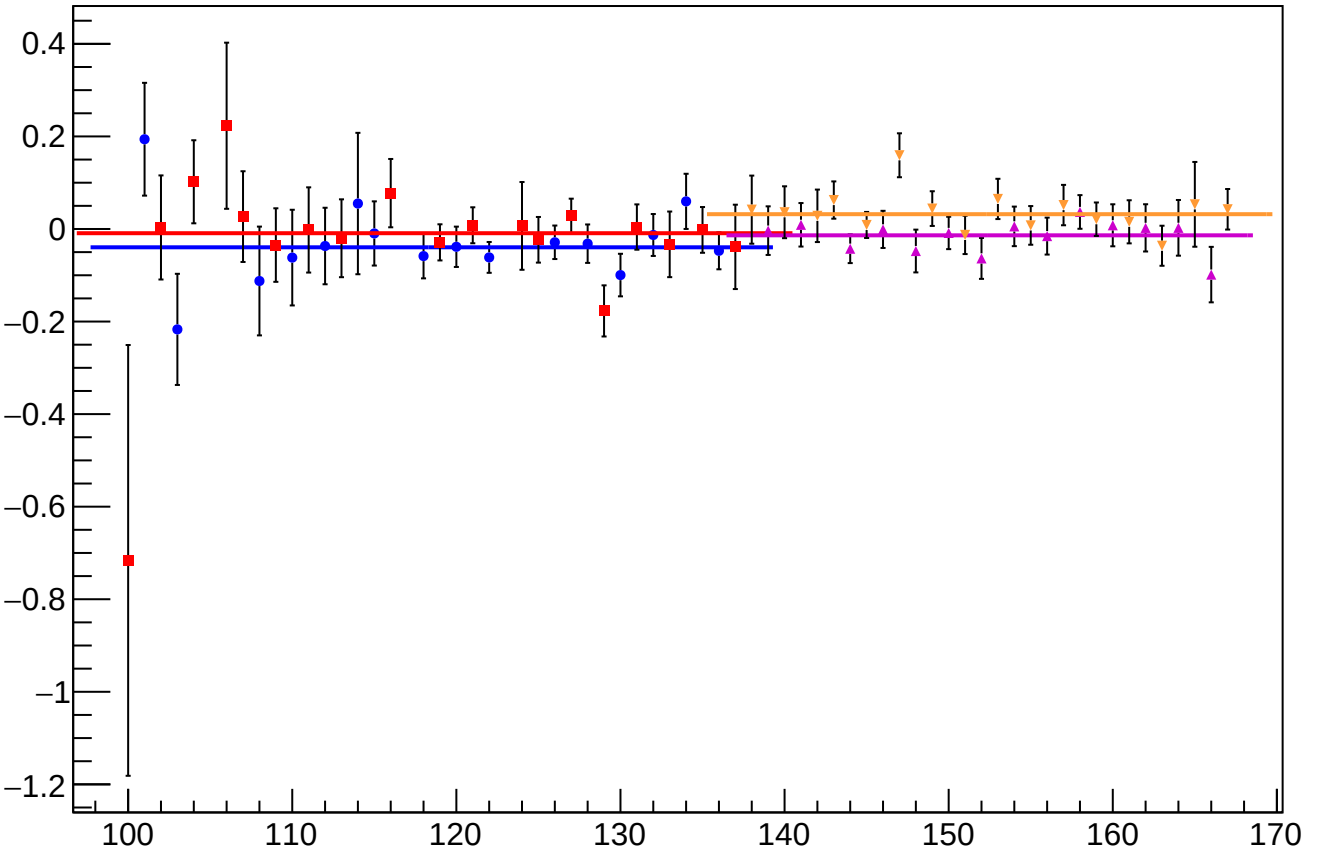
Left: 37.150+/-0.006 χ^2/NDF: 1635220.6/29

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.881+/-0.006 χ^2/NDF:2958310.8/29

Out: 36.349+/-0.006 χ^2/NDF:2995100.7/34

All: 35.617+/-0.004 χ^2/NDF: 5982339.3/64



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.014+/-0.011 χ^2/NDF:7.6/13

Left: 0.010+/-0.008 χ^2/NDF: 29.7/29

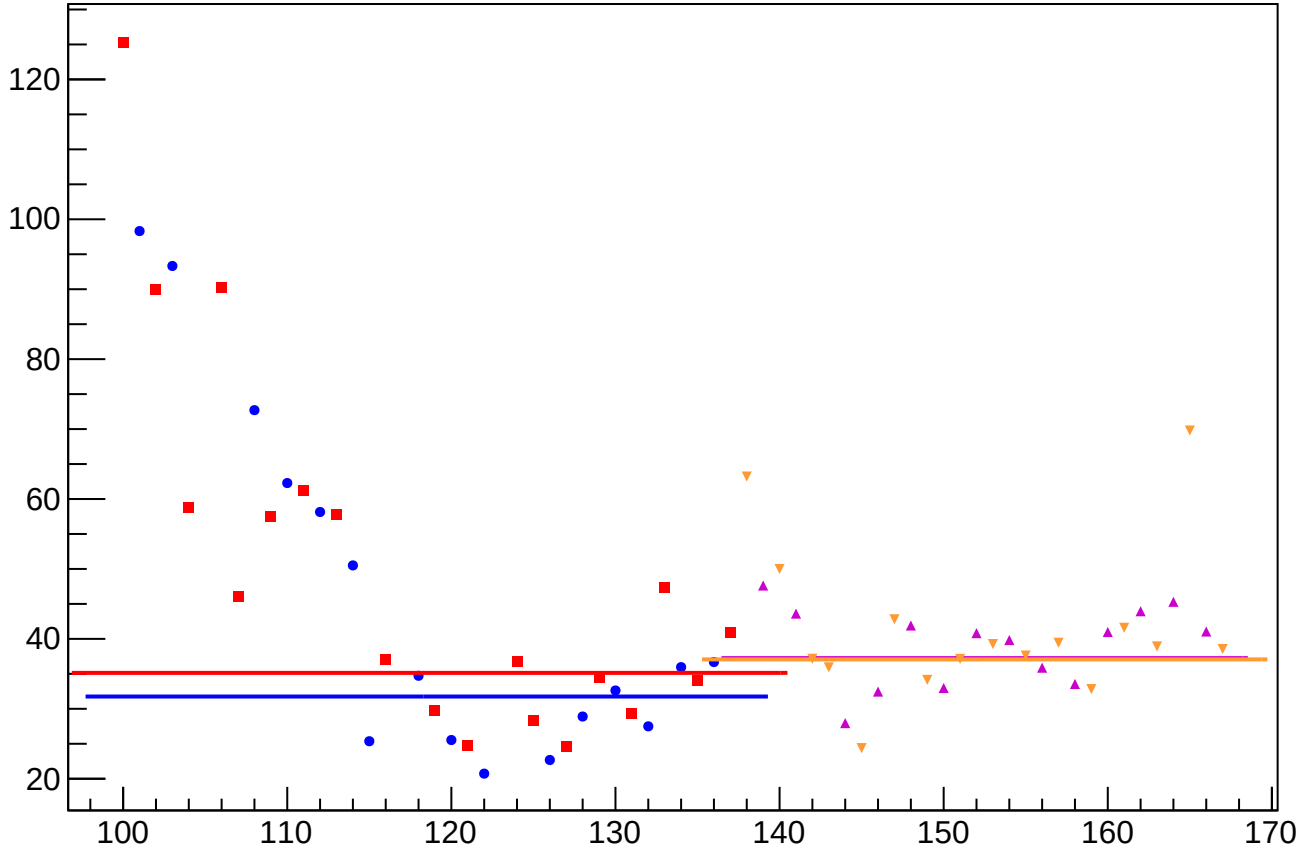
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:22.2/29

Out: 0.017+/-0.009 χ^2/NDF:37.3/34

All: -0.004+/-0.006 χ^2/NDF: 71.1/64

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 37.062+/-0.008 χ^2/NDF:1127242.5/15

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.248+/-0.008 χ^2/NDF:507700.6/13

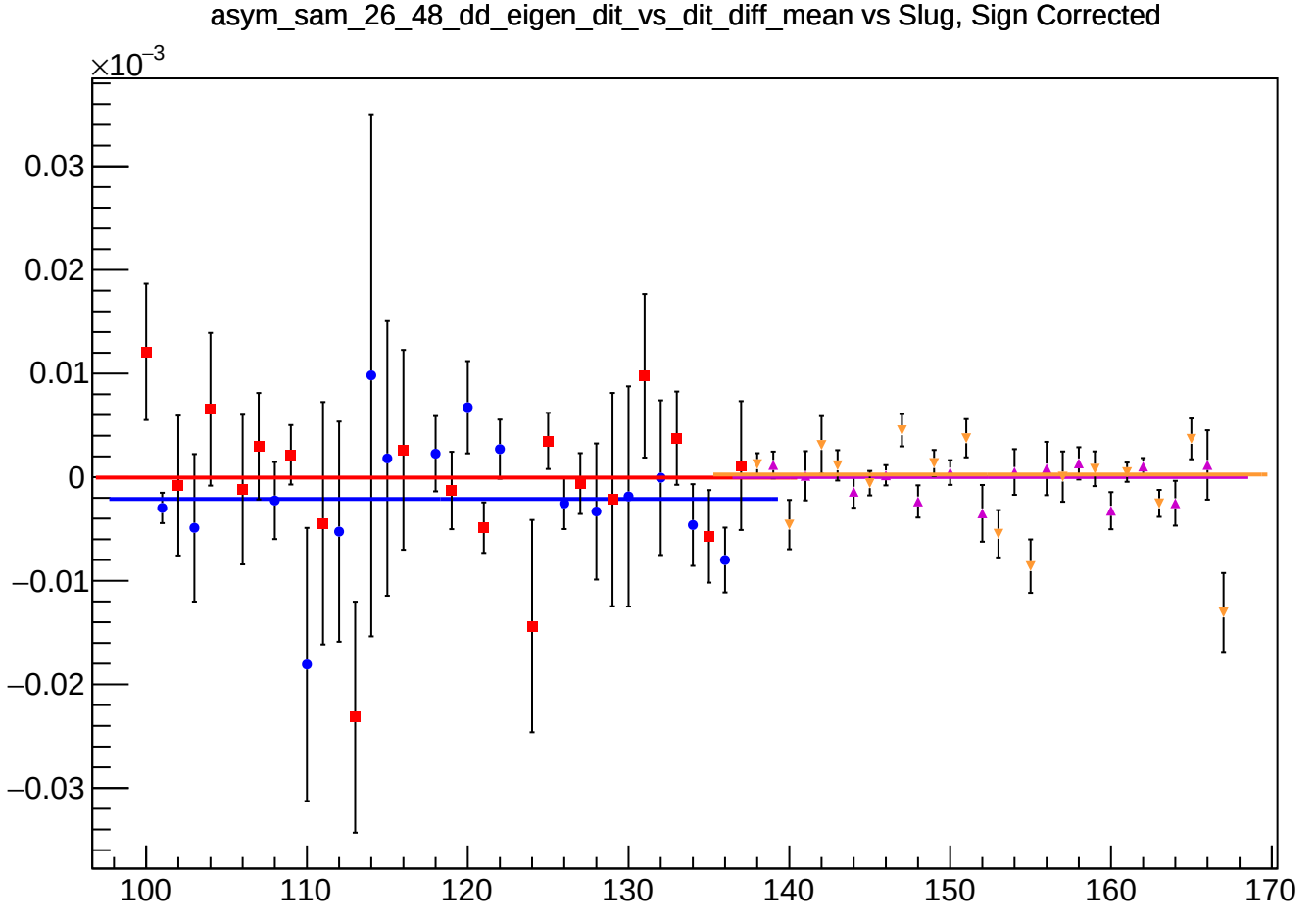
Left: 37.150+/-0.006 χ^2/NDF: 1635220.6/29

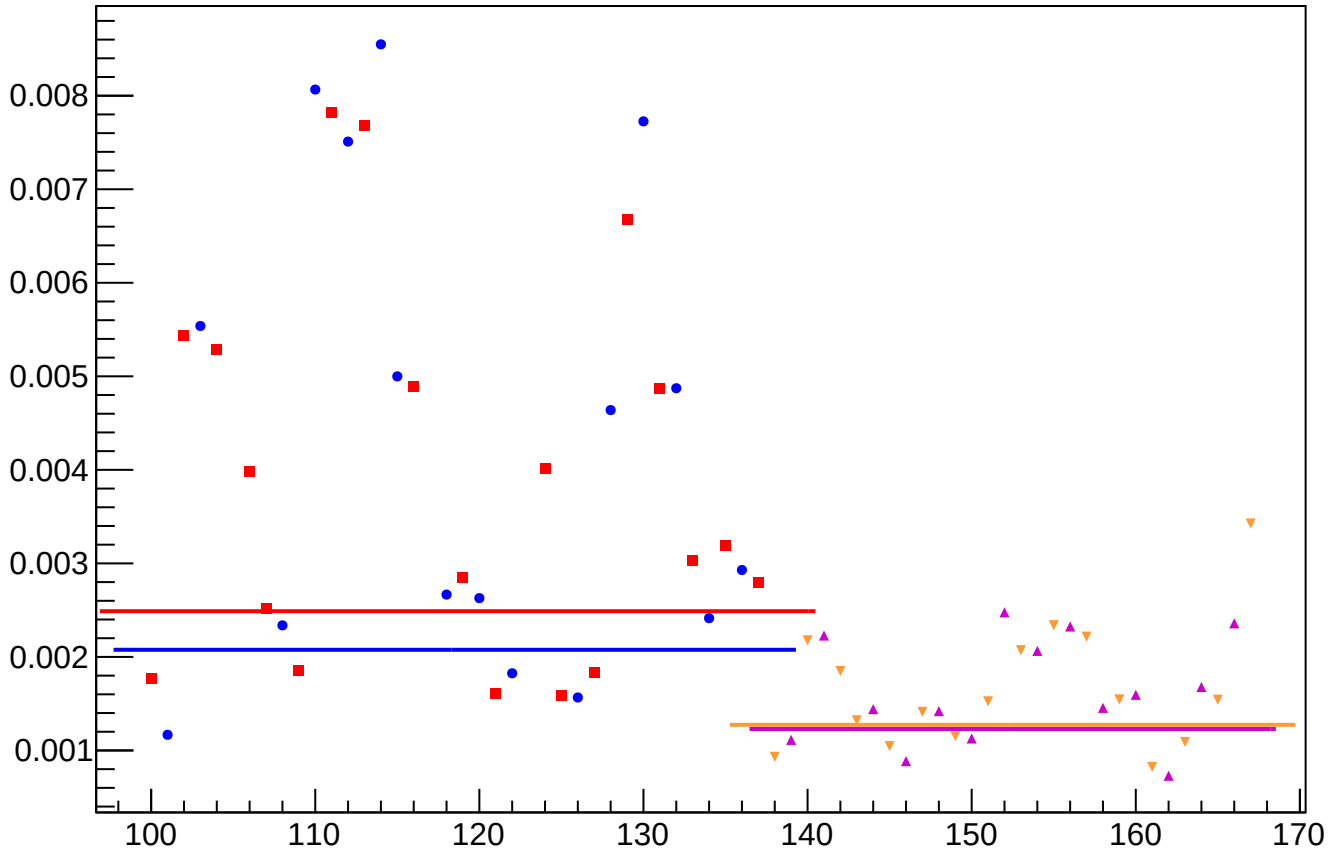
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.881+/-0.006 χ^2/NDF:2958310.8/29

Out: 36.349+/-0.006 χ^2/NDF:2995100.7/34

All: 35.617+/-0.004 χ^2/NDF: 5982339.3/64


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 14.7/15
Left Out: 0.000+/-0.000 χ²/NDF:56.9/15
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:13.0/13
Left: 0.000+/-0.000 χ²/NDF: 70.1/29
Right: -0.000+/-0.000 χ²/NDF: 38.4/34
In: -0.000+/-0.000 χ²/NDF:32.3/29
Out: 0.000+/-0.000 χ²/NDF:78.4/34
All: -0.000+/-0.000 χ²/NDF: 111.8/64



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2853145.1/15

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:2956082.3/13

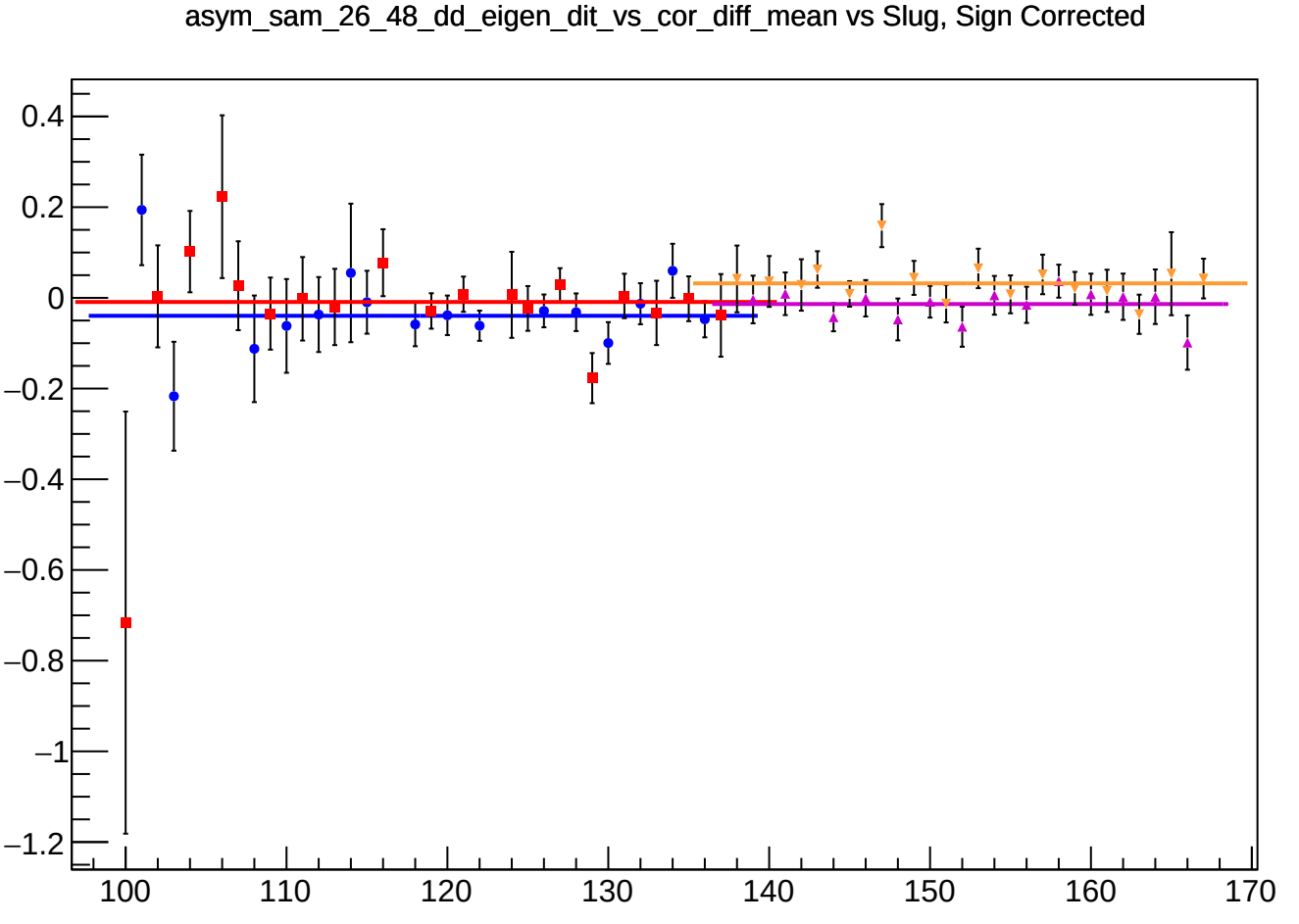
Left: 0.001+/-0.000 χ^2/NDF: 5822202.2/29

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

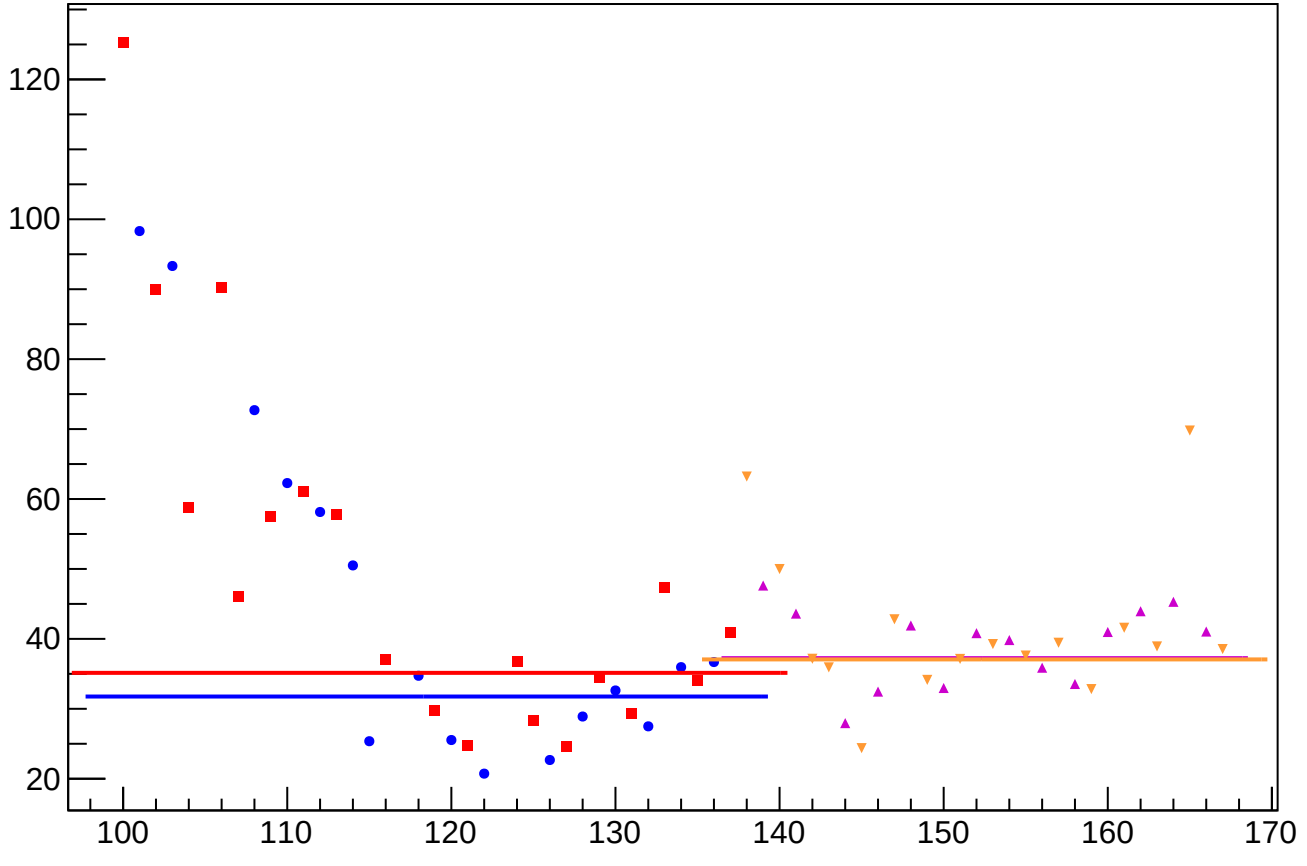
In: 0.001+/-0.000 χ^2/NDF:8330391.1/29

Out: 0.001+/-0.000 χ^2/NDF:8331707.6/34

All: 0.001+/-0.000 χ^2/NDF: 16687083.3/64


asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
Right In: -0.040+/-0.013 χ²/NDF: 12.4/15
Left Out: 0.032+/-0.011 χ²/NDF:13.7/15
Right Out: -0.009+/-0.014 χ²/NDF: 18.3/18
Left In: -0.014+/-0.011 χ²/NDF:7.6/13
Left: 0.010+/-0.008 χ²/NDF: 29.7/29
Right: -0.025+/-0.010 χ²/NDF: 33.2/34
In: -0.025+/-0.009 χ²/NDF:22.2/29
Out: 0.017+/-0.009 χ²/NDF:37.3/34
All: -0.004+/-0.006 χ²/NDF: 71.1/64

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 37.062+/-0.008 χ^2/NDF:1127267.6/15

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.248+/-0.008 χ^2/NDF:507689.7/13

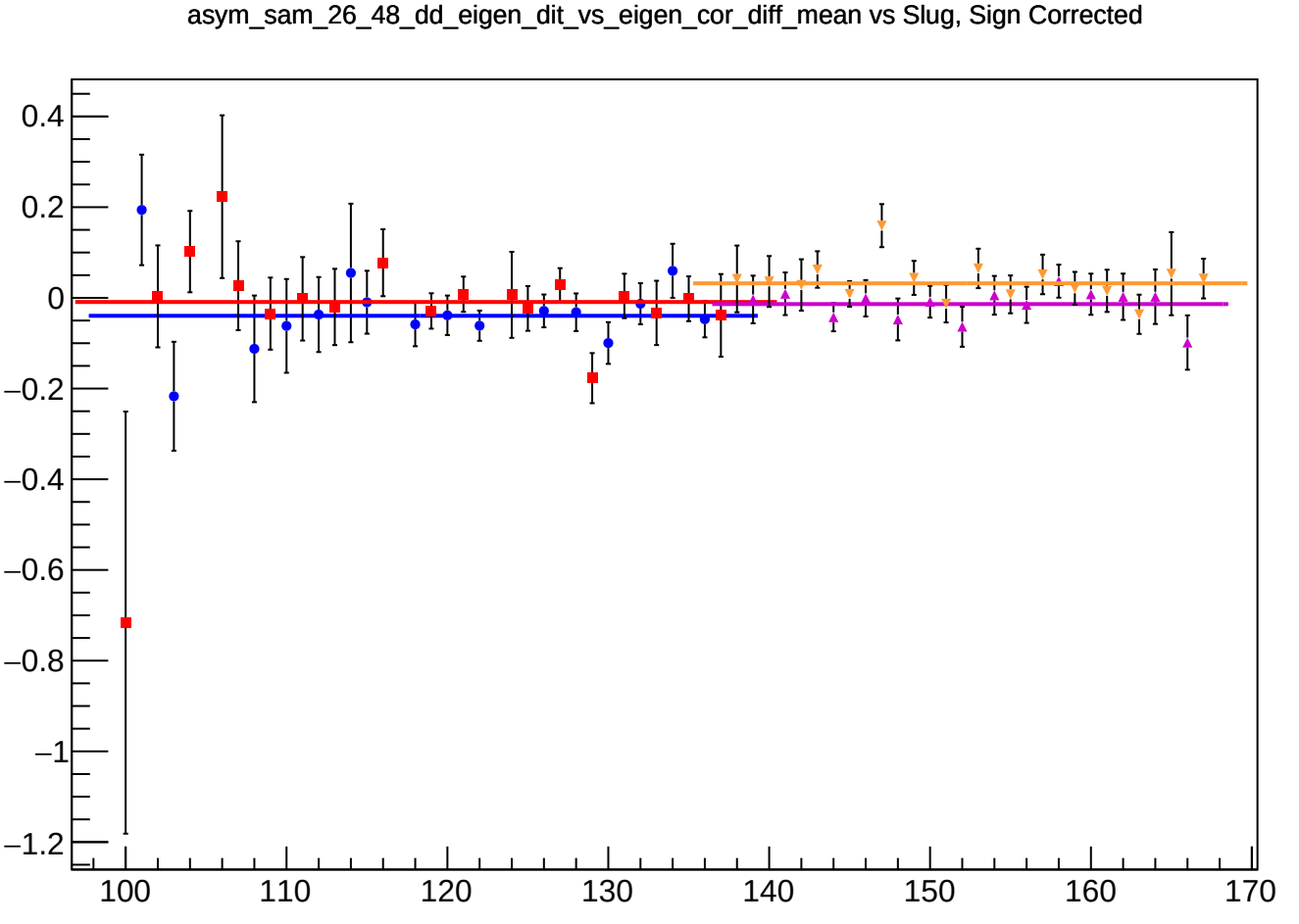
Left: 37.150+/-0.006 χ^2/NDF: 1635235.0/29

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.881+/-0.006 χ^2/NDF:2958252.3/29

Out: 36.350+/-0.006 χ^2/NDF:2995010.3/34

All: 35.617+/-0.004 χ^2/NDF: 5982188.5/64



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.014+/-0.011 χ^2/NDF:7.6/13

Left: 0.010+/-0.008 χ^2/NDF: 29.7/29

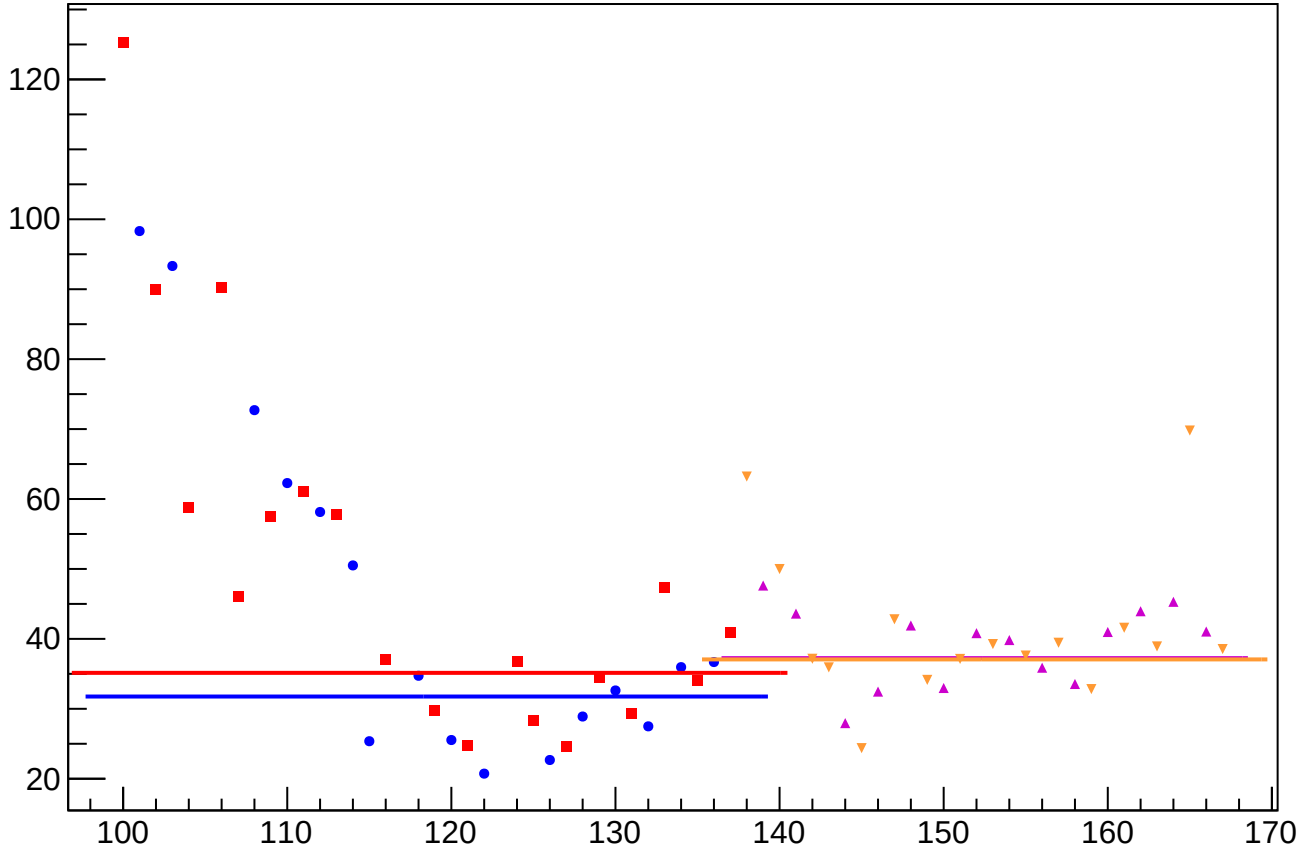
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:22.2/29

Out: 0.017+/-0.009 χ^2/NDF:37.3/34

All: -0.004+/-0.006 χ^2/NDF: 71.1/64

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 37.062+/-0.008 χ^2/NDF:1127267.6/15

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.248+/-0.008 χ^2/NDF:507689.7/13

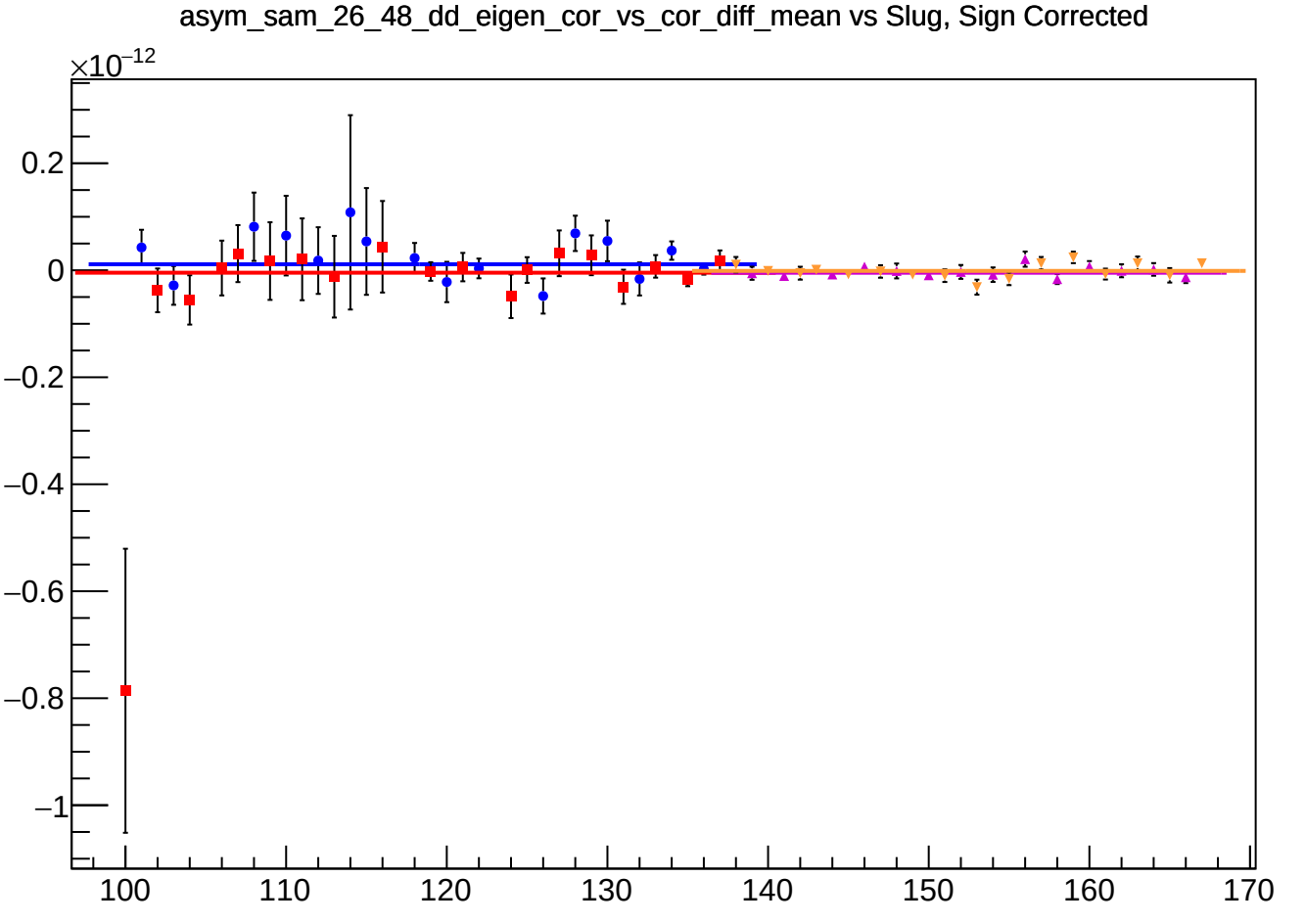
Left: 37.150+/-0.006 χ^2/NDF: 1635235.0/29

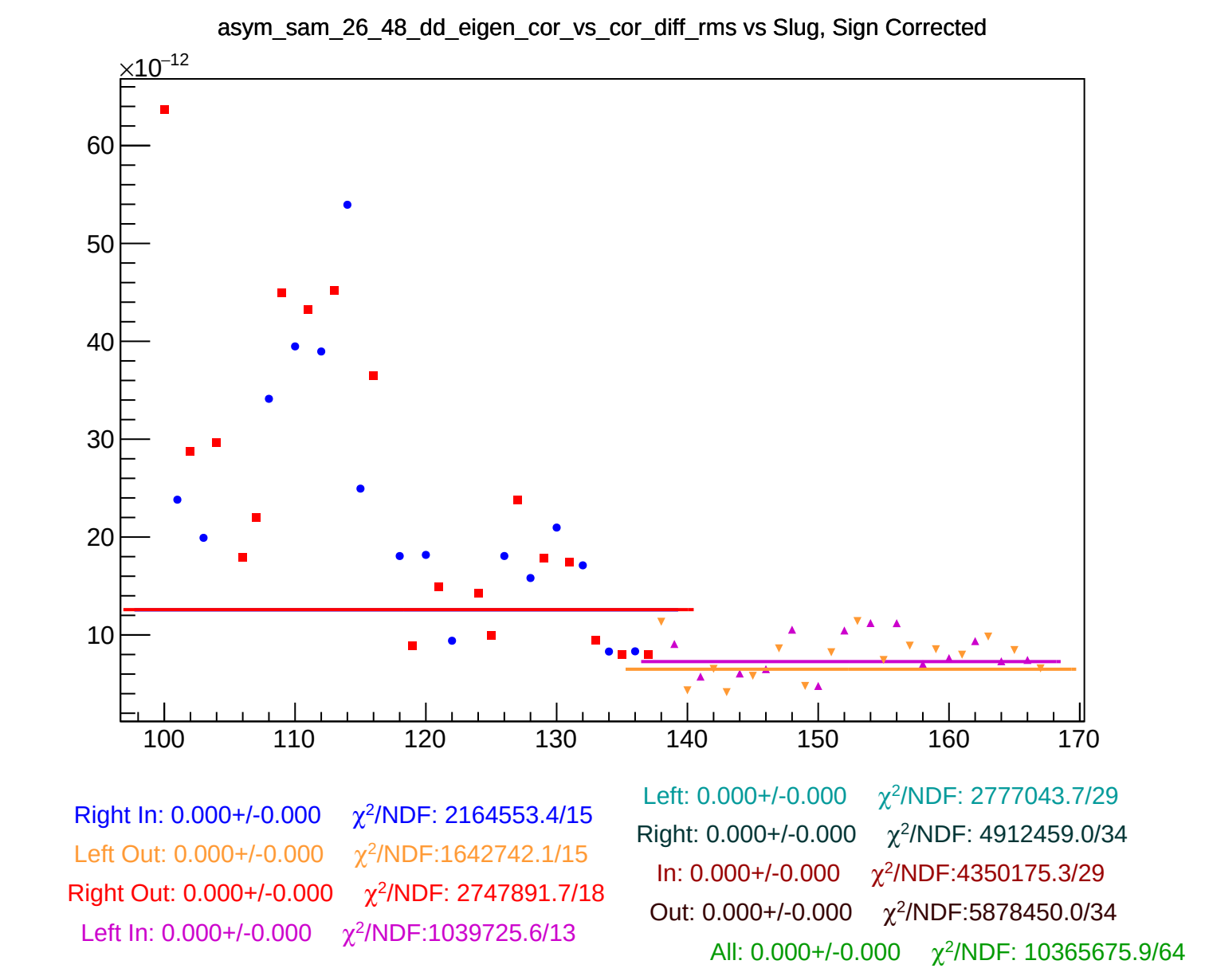
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

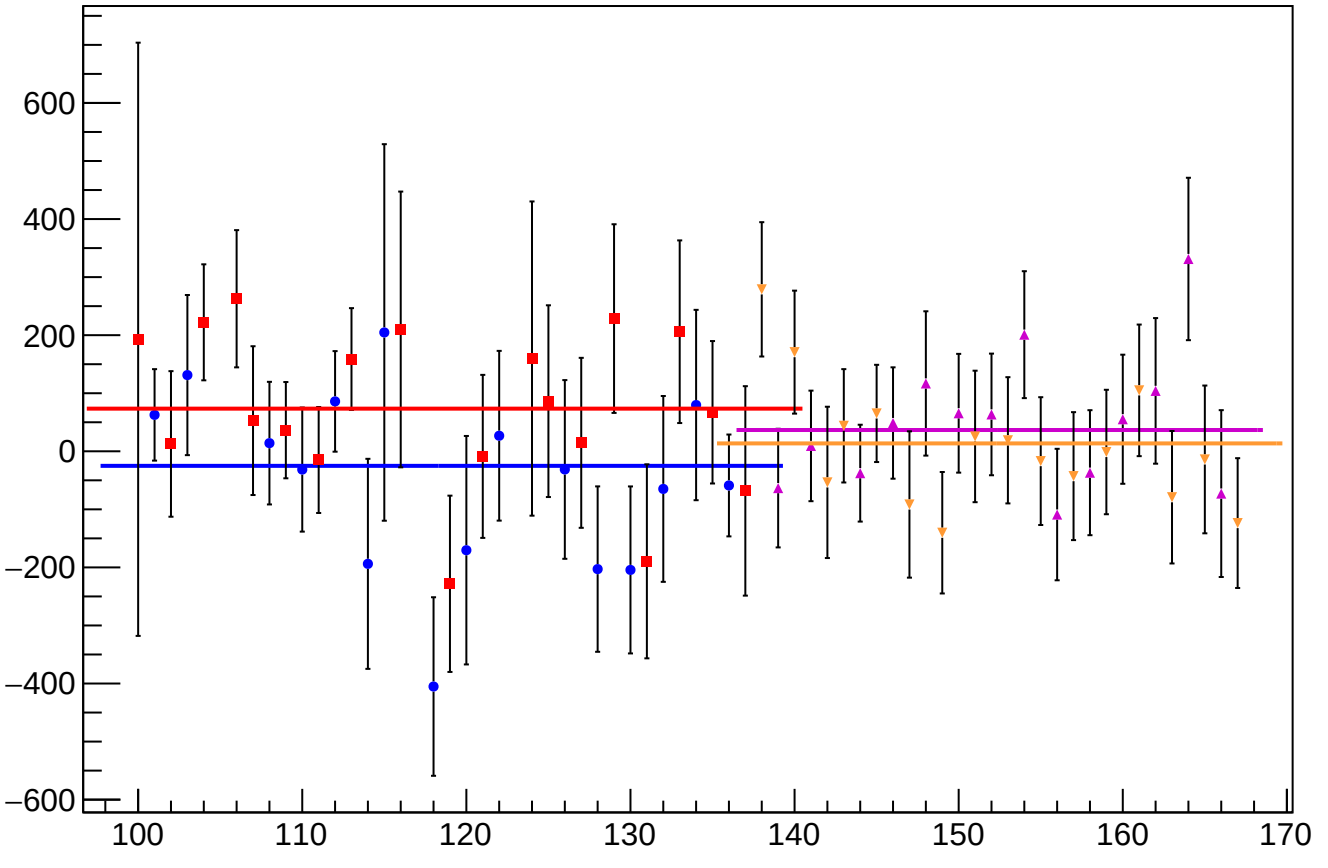
In: 34.881+/-0.006 χ^2/NDF:2958252.3/29

Out: 36.350+/-0.006 χ^2/NDF:2995010.3/34

All: 35.617+/-0.004 χ^2/NDF: 5982188.5/64


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:20.8/15
Right Out: -0.000+/-0.000 χ²/NDF: 17.5/18
Left In: -0.000+/-0.000 χ²/NDF:10.2/13
Left: -0.000+/-0.000 χ²/NDF: 31.9/29
Right: 0.000+/-0.000 χ²/NDF: 37.3/34
In: -0.000+/-0.000 χ²/NDF:32.2/29
Out: -0.000+/-0.000 χ²/NDF:38.5/34
All: -0.000+/-0.000 χ²/NDF: 70.8/64


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1642742.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1039725.6/13
Left: 0.000+/-0.000 χ²/NDF: 2777043.7/29
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4350175.3/29
Out: 0.000+/-0.000 χ²/NDF:5878450.0/34
All: 0.000+/-0.000 χ²/NDF: 10365675.9/64



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 13.580+/-27.362 χ^2/NDF:14.3/15

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 36.660+/-28.844 χ^2/NDF:12.1/13

Left: 24.512+/-19.851 χ^2/NDF: 26.8/29

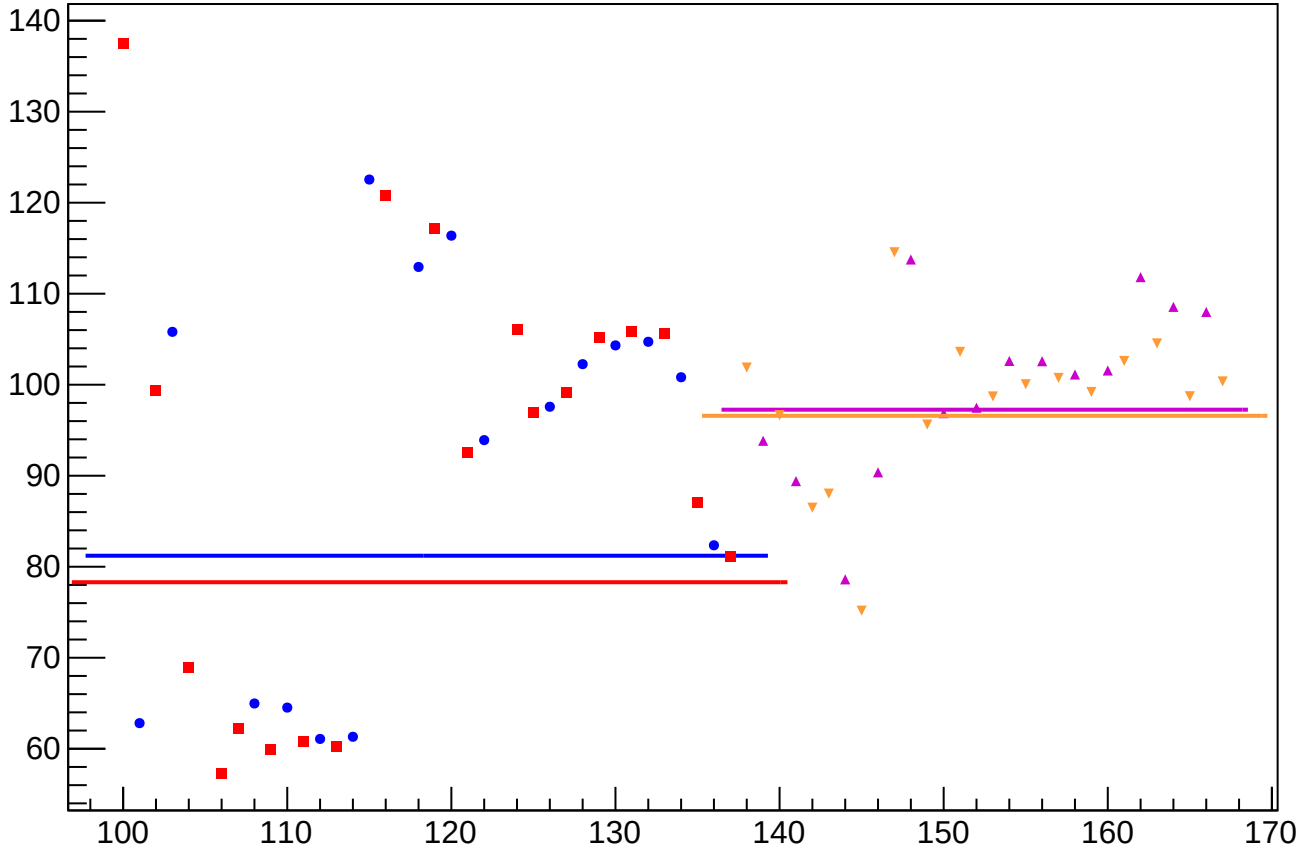
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 8.242+/-21.189 χ^2/NDF:30.4/29

Out: 40.835+/-20.196 χ^2/NDF:33.3/34

All: 25.320+/-14.619 χ^2/NDF: 64.9/64

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.585+/-0.019 χ^2/NDF:235859.3/15

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 97.256+/-0.020 χ^2/NDF:227338.4/13

Left: 96.903+/-0.014 χ^2/NDF: 463768.0/29

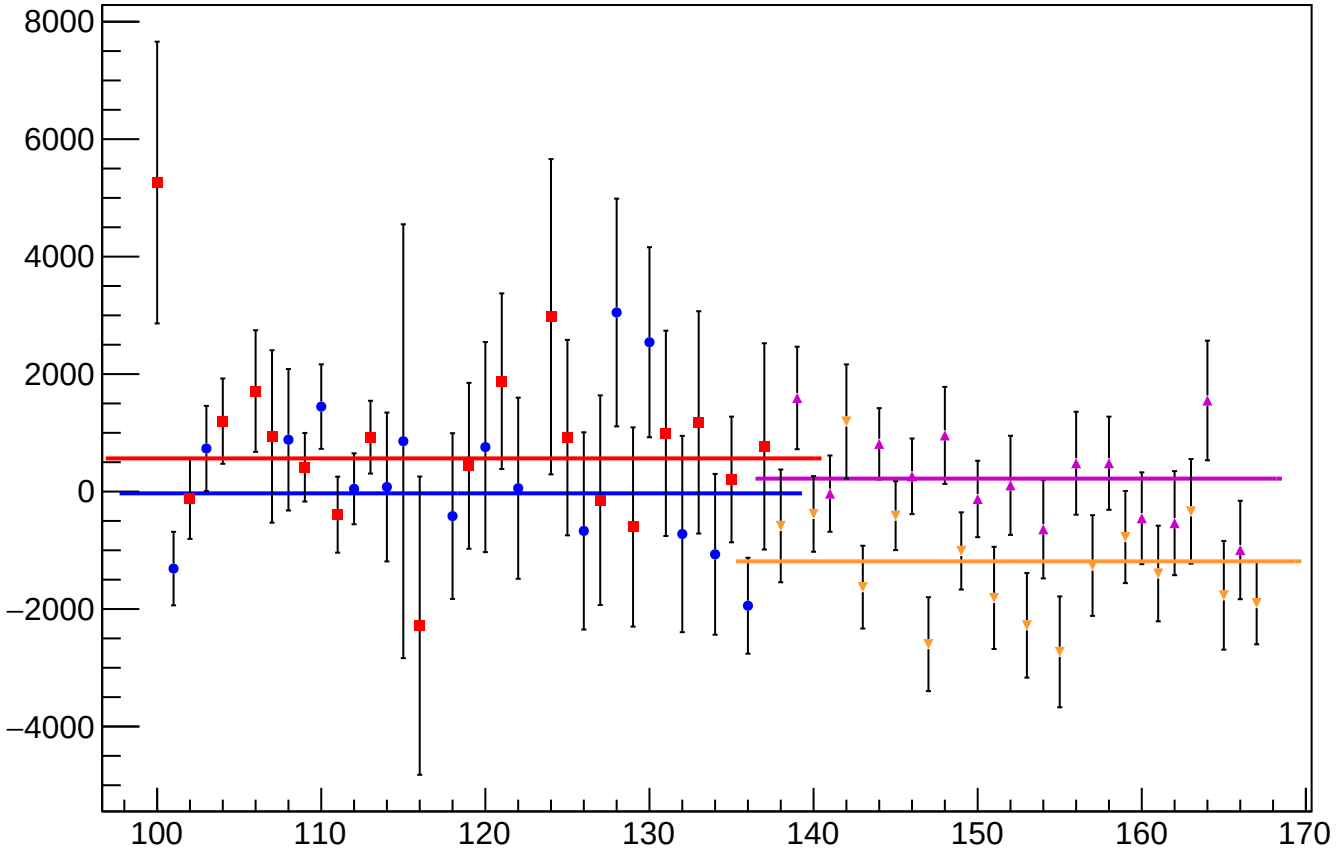
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 89.869+/-0.015 χ^2/NDF:1299961.0/29

Out: 88.261+/-0.014 χ^2/NDF:1577155.1/34

All: 89.026+/-0.010 χ^2/NDF: 2883154.7/64

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1188.123+/-196.043 χ^2/NDF:20.7/15

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 220.514+/-205.566 χ^2/NDF:11.2/13

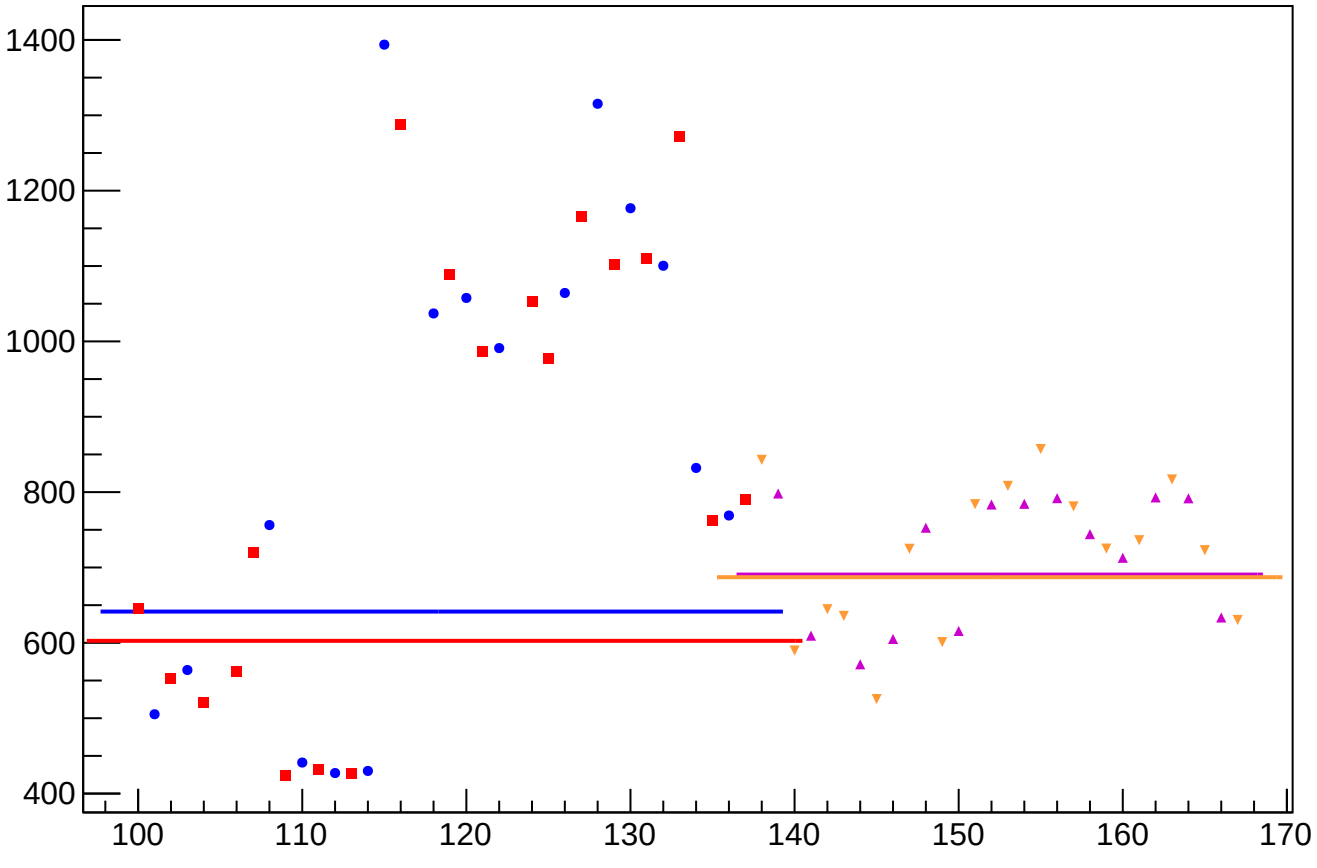
Left: -517.188+/-141.871 χ^2/NDF: 56.5/29

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 122.613+/-160.530 χ^2/NDF:33.7/29

Out: -481.246+/-151.444 χ^2/NDF:66.2/34

All: -196.888+/-110.160 χ^2/NDF: 107.4/64



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 687.110+/-0.139 χ^2/NDF:525162.6/15

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 690.617+/-0.145 χ^2/NDF:354167.6/13

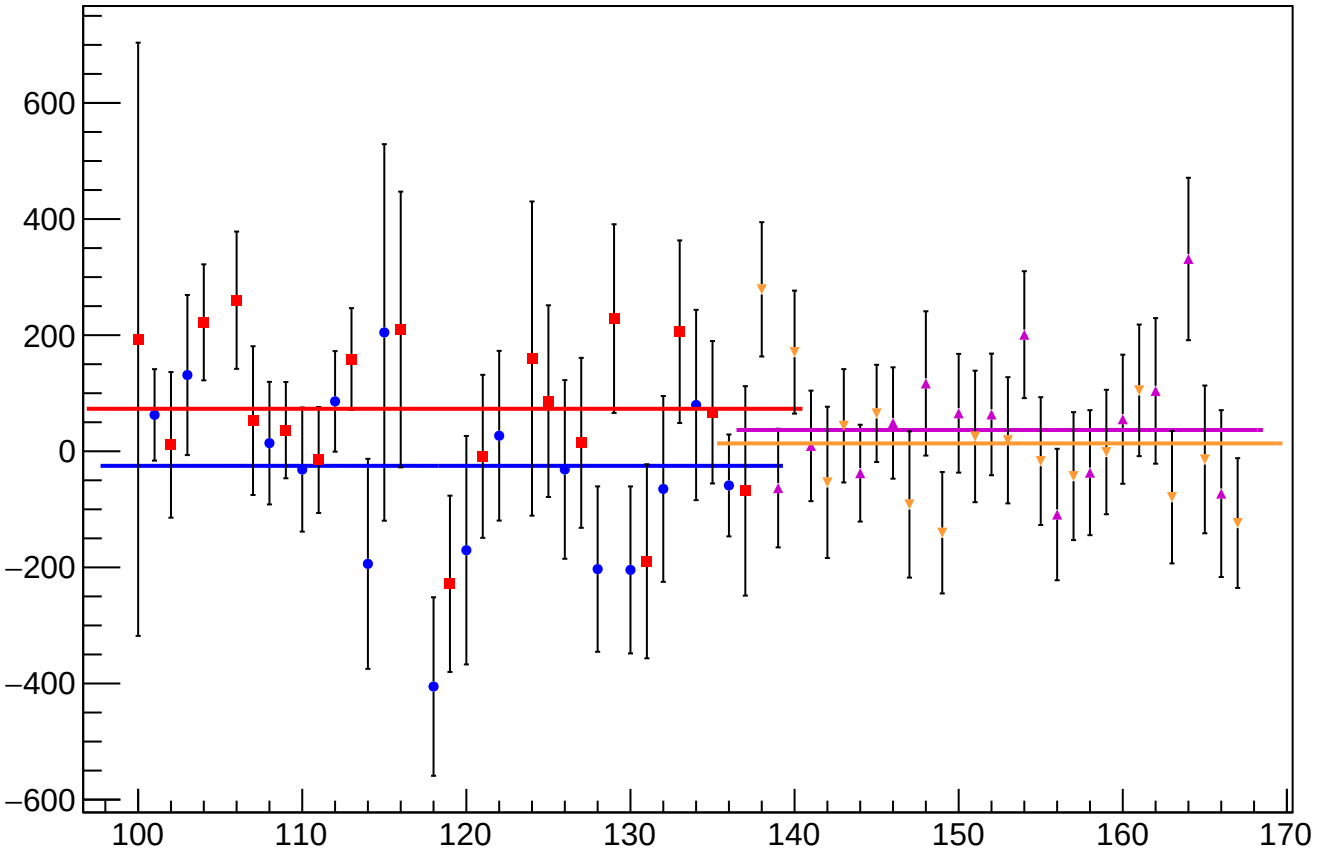
Left: 688.781+/-0.100 χ^2/NDF: 879635.0/29

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 671.453+/-0.114 χ^2/NDF:2273710.6/29

Out: 653.054+/-0.107 χ^2/NDF:2745146.3/34

All: 661.718+/-0.078 χ^2/NDF: 5032756.8/64



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 13.583+/-27.362 χ^2/NDF:14.3/15

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 36.659+/-28.844 χ^2/NDF:12.1/13

Left: 24.514+/-19.851 χ^2/NDF: 26.8/29

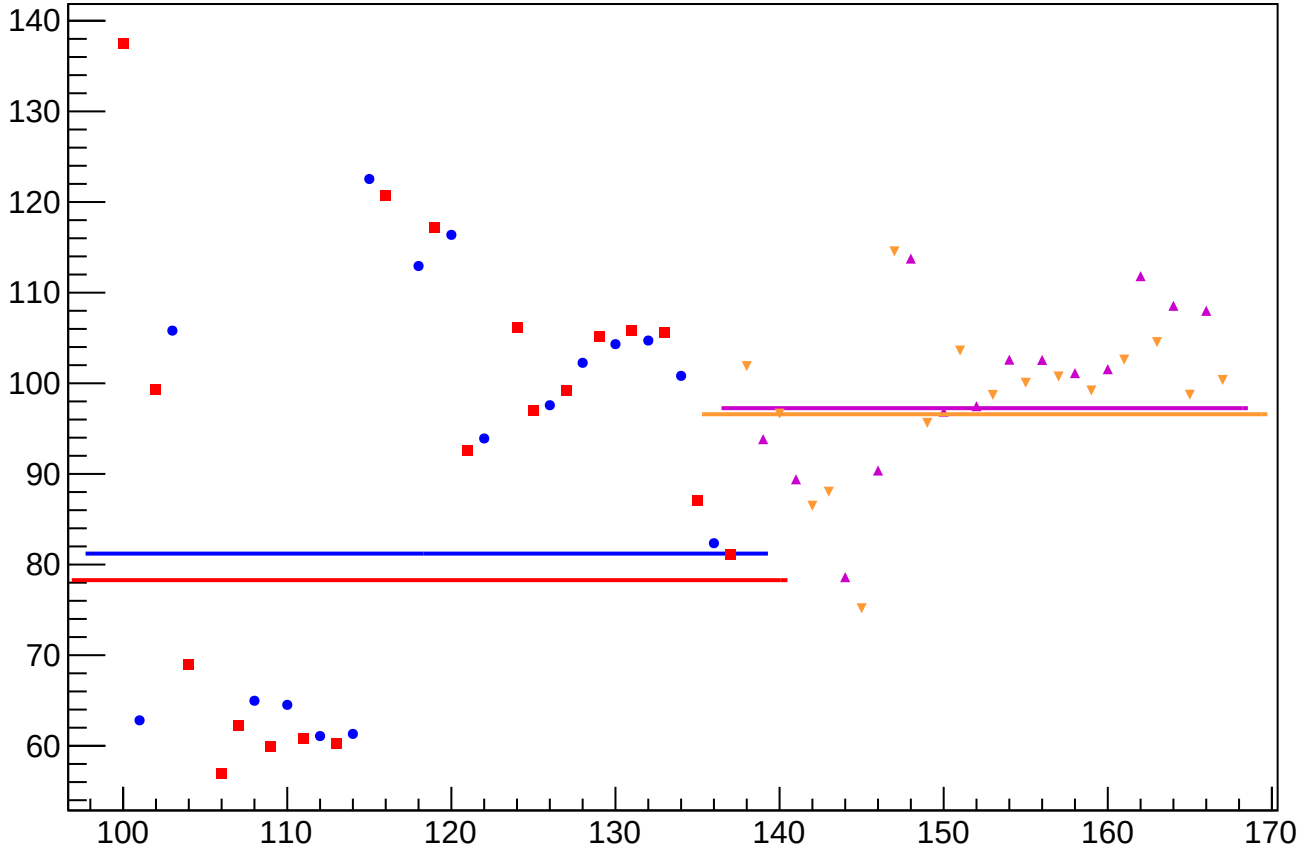
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 8.240+/-21.189 χ^2/NDF:30.4/29

Out: 40.715+/-20.197 χ^2/NDF:33.2/34

All: 25.256+/-14.619 χ^2/NDF: 64.9/64

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.585+/-0.019 χ^2/NDF:235859.3/15

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.256+/-0.020 χ^2/NDF:227338.5/13

Left: 96.903+/-0.014 χ^2/NDF: 463768.0/29

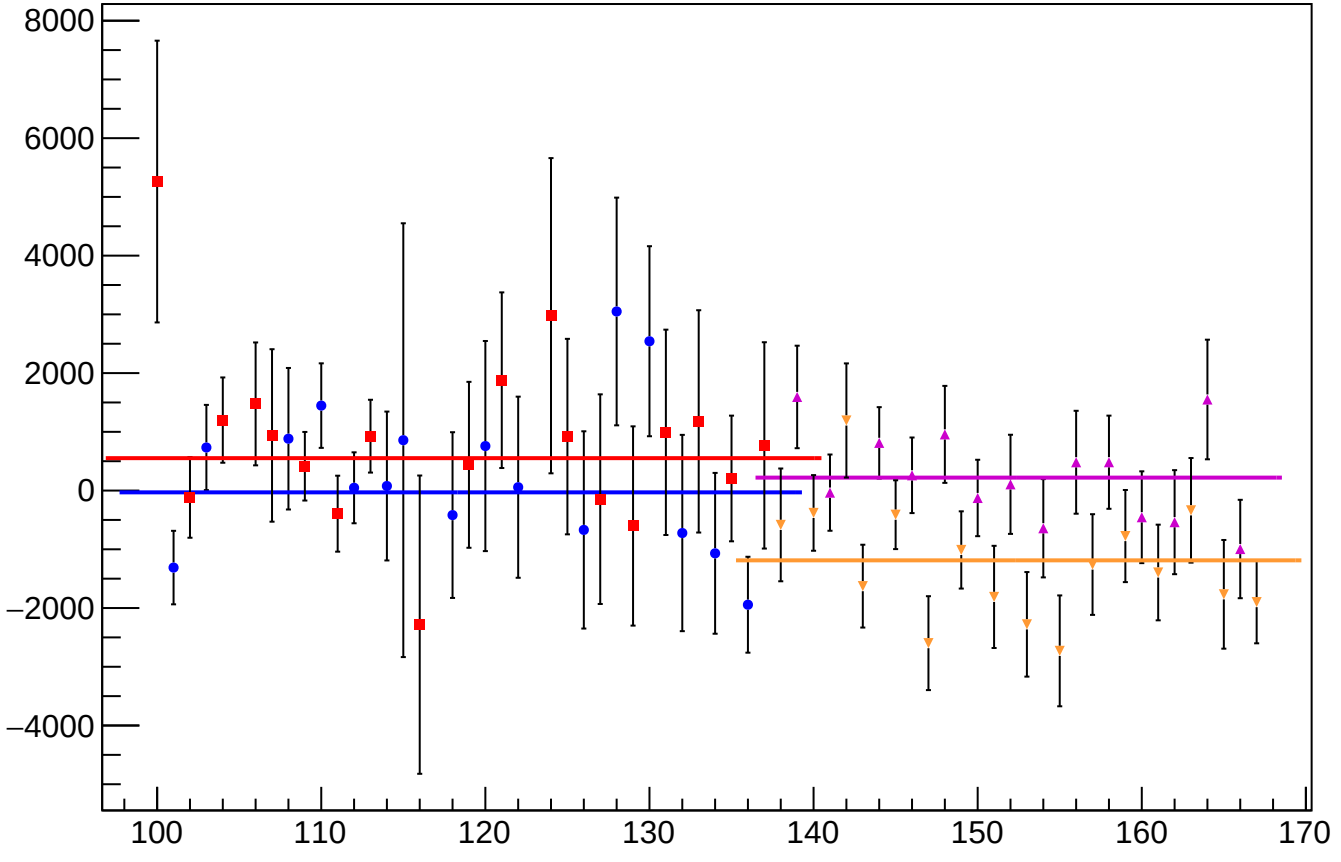
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.869+/-0.015 χ^2/NDF:1299962.7/29

Out: 88.253+/-0.014 χ^2/NDF:1580095.8/34

All: 89.022+/-0.010 χ^2/NDF: 2886156.7/64

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1188.116+/-196.043 χ^2/NDF:20.7/15

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 220.518+/-205.566 χ^2/NDF:11.2/13

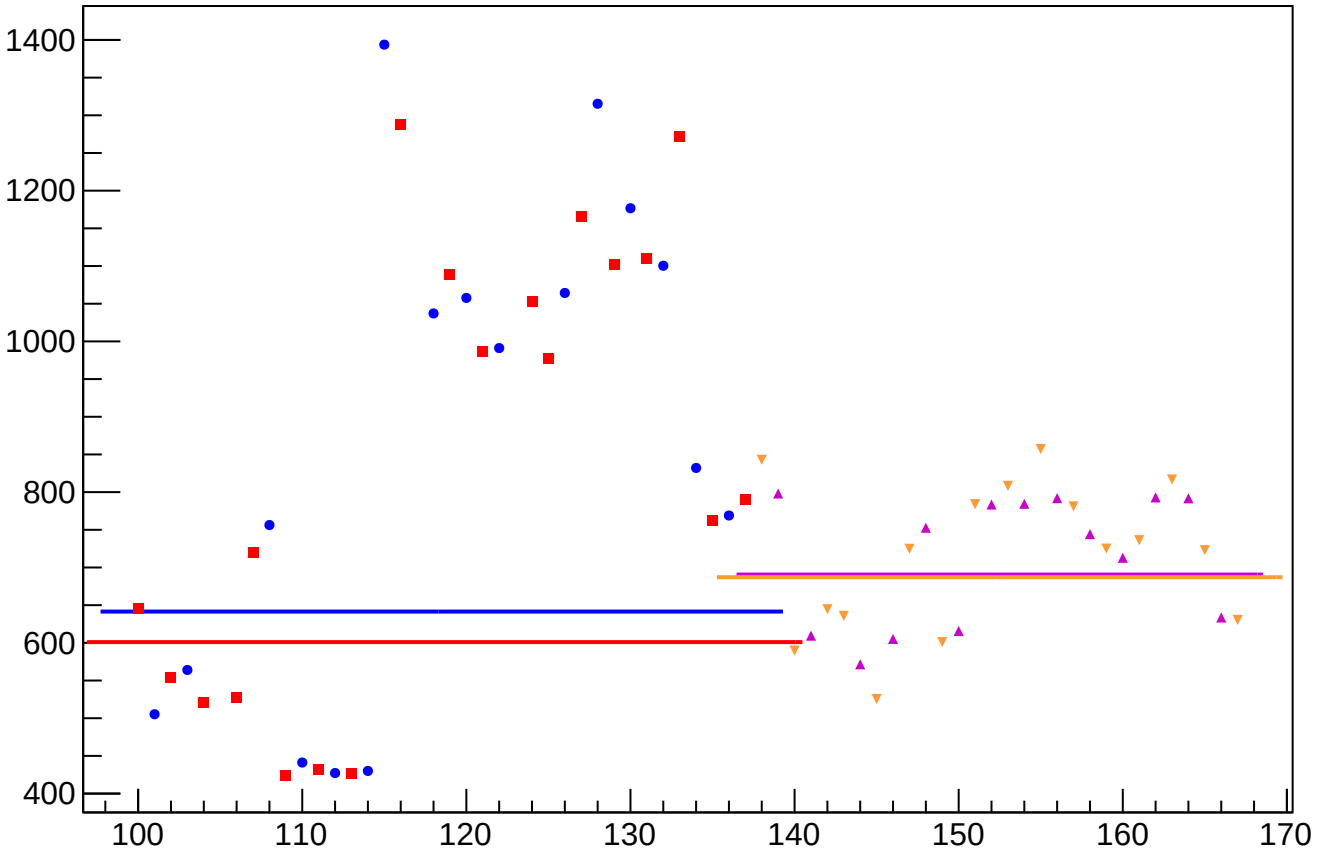
Left: -517.183+/-141.871 χ^2/NDF: 56.5/29

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 122.606+/-160.531 χ^2/NDF:33.7/29

Out: -486.980+/-151.482 χ^2/NDF:65.2/34

All: -199.851+/-110.174 χ^2/NDF: 106.5/64



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 687.110+/-0.139 χ^2/NDF:525164.0/15

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 690.617+/-0.145 χ^2/NDF:354166.2/13

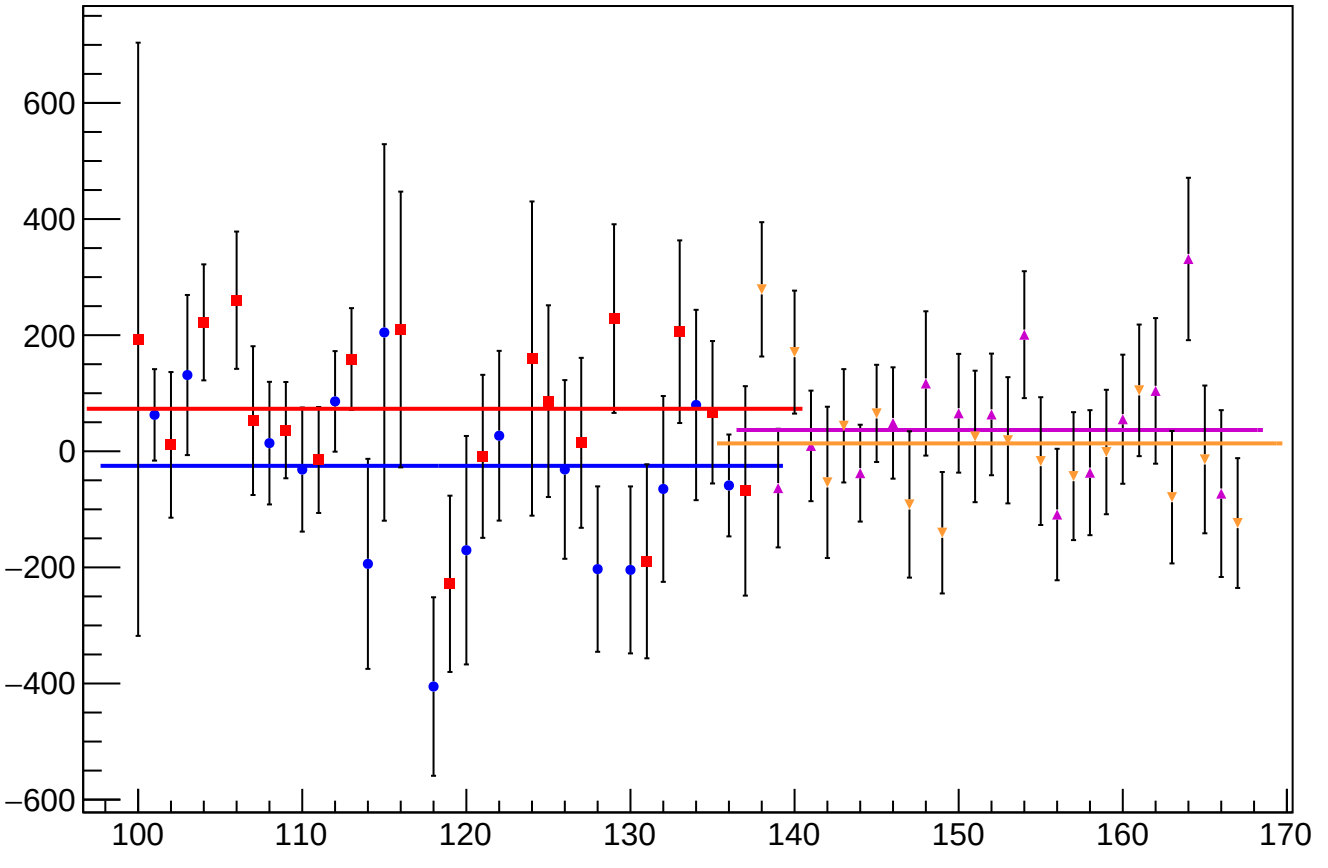
Left: 688.781+/-0.100 χ^2/NDF: 879635.1/29

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 671.457+/-0.114 χ^2/NDF:2273651.8/29

Out: 652.403+/-0.107 χ^2/NDF:2757964.3/34

All: 661.378+/-0.078 χ^2/NDF: 5046519.6/64



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 13.583+/-27.362 χ^2/NDF:14.3/15

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 36.659+/-28.844 χ^2/NDF:12.1/13

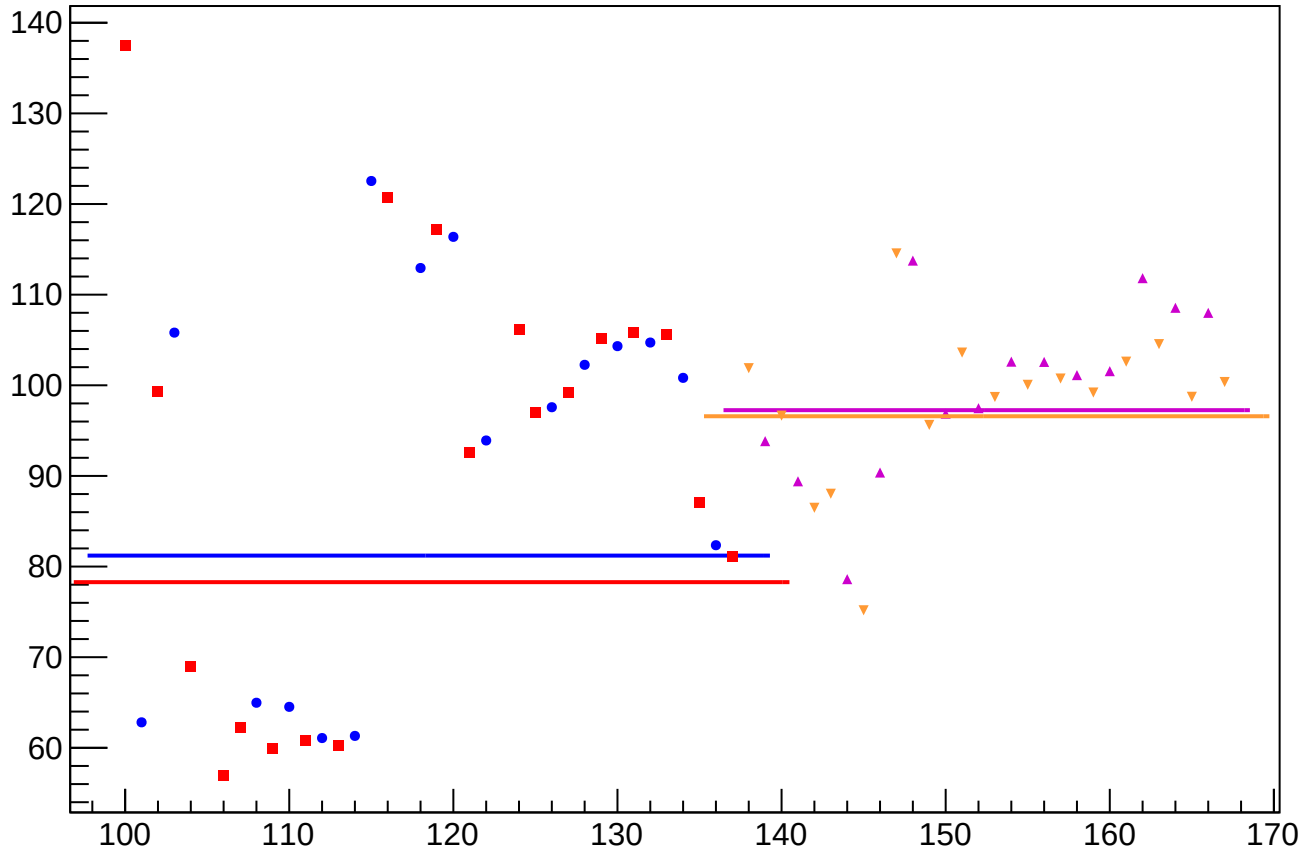
Left: 24.514+/-19.851 χ^2/NDF: 26.8/29

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 8.240+/-21.189 χ^2/NDF:30.4/29

Out: 40.715+/-20.197 χ^2/NDF:33.2/34

All: 25.256+/-14.619 χ^2/NDF: 64.9/64



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.585+/-0.019 χ^2/NDF:235859.3/15

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.256+/-0.020 χ^2/NDF:227338.5/13

Left: 96.903+/-0.014 χ^2/NDF: 463768.0/29

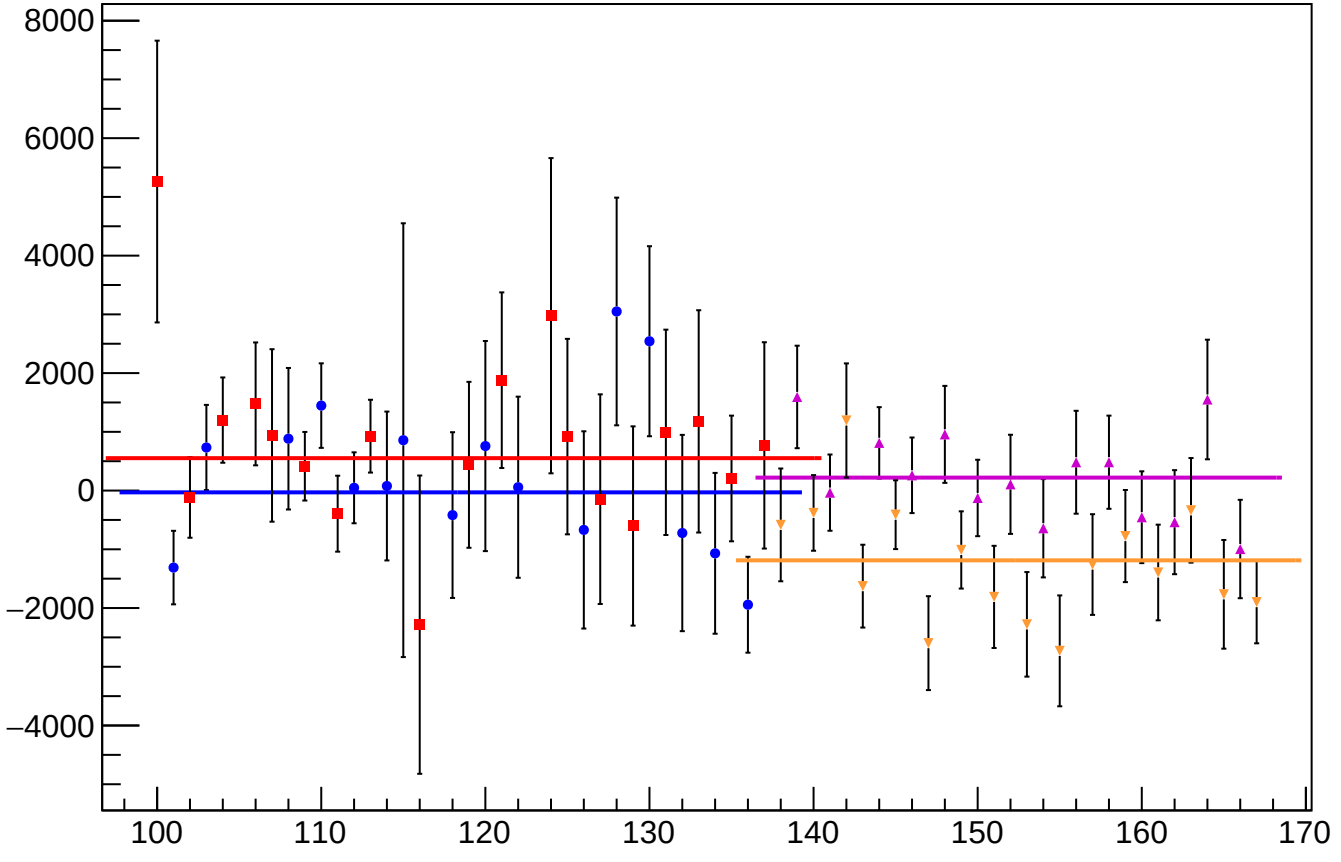
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.869+/-0.015 χ^2/NDF:1299962.7/29

Out: 88.253+/-0.014 χ^2/NDF:1580095.8/34

All: 89.022+/-0.010 χ^2/NDF: 2886156.7/64

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1188.116+/-196.043 χ^2/NDF:20.7/15

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 220.518+/-205.566 χ^2/NDF:11.2/13

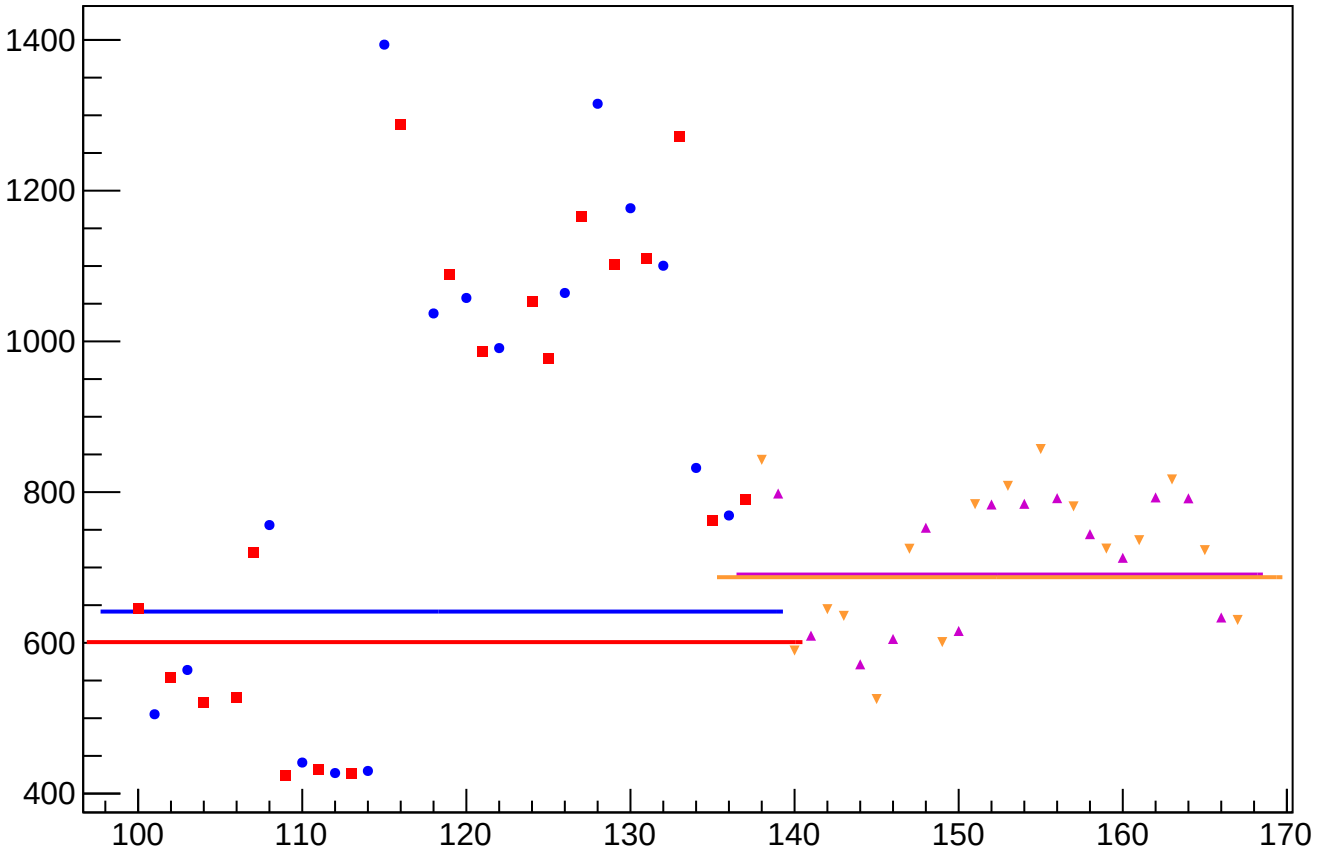
Left: -517.183+/-141.871 χ^2/NDF: 56.5/29

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 122.606+/-160.531 χ^2/NDF:33.7/29

Out: -486.980+/-151.482 χ^2/NDF:65.2/34

All: -199.851+/-110.174 χ^2/NDF: 106.5/64



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 687.110+/-0.139 χ^2/NDF:525164.0/15

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 690.617+/-0.145 χ^2/NDF:354166.2/13

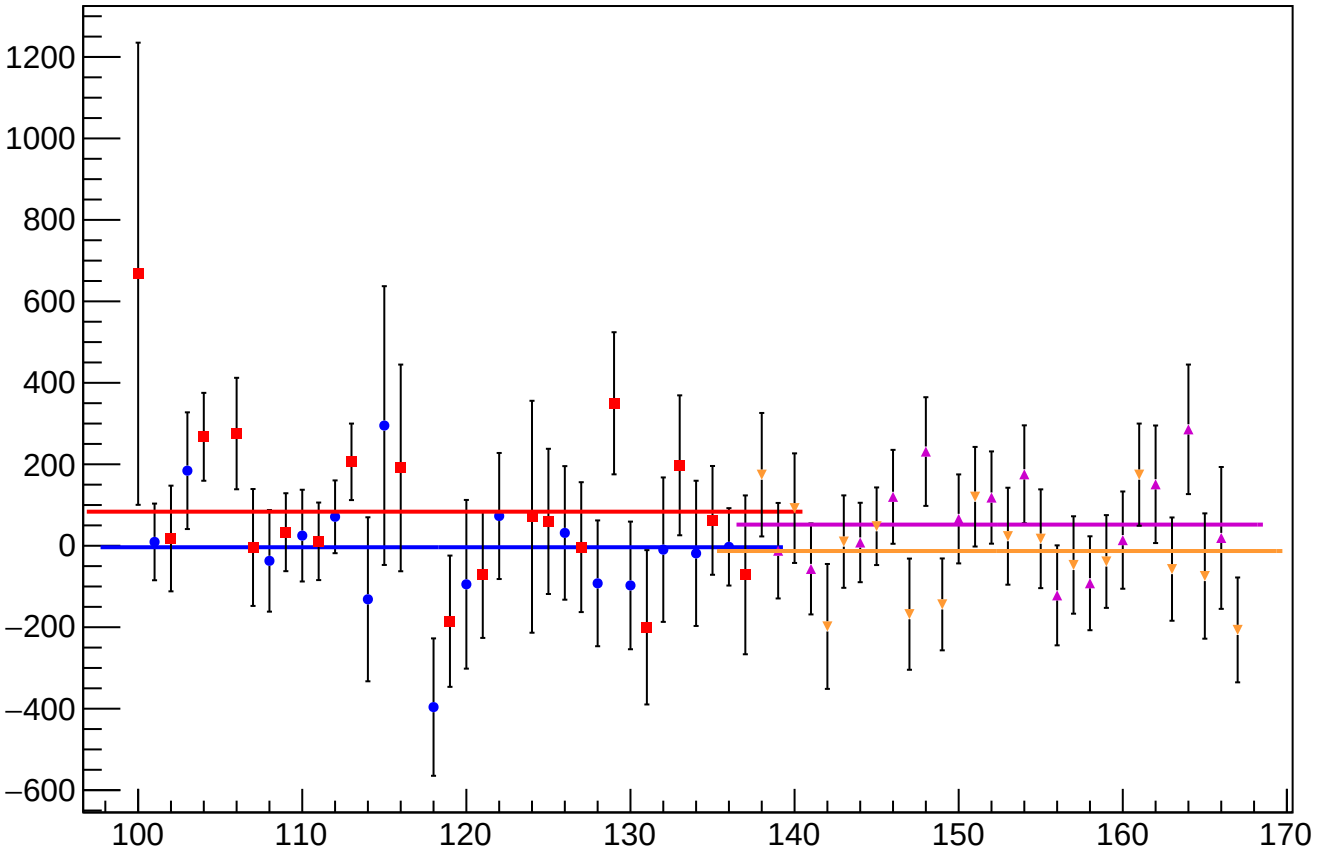
Left: 688.781+/-0.100 χ^2/NDF: 879635.1/29

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 671.457+/-0.114 χ^2/NDF:2273651.8/29

Out: 652.403+/-0.107 χ^2/NDF:2757964.3/34

All: 661.378+/-0.078 χ^2/NDF: 5046519.6/64



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -12.923+/-30.974 χ^2/NDF:12.9/15

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 51.936+/-32.396 χ^2/NDF:11.4/13

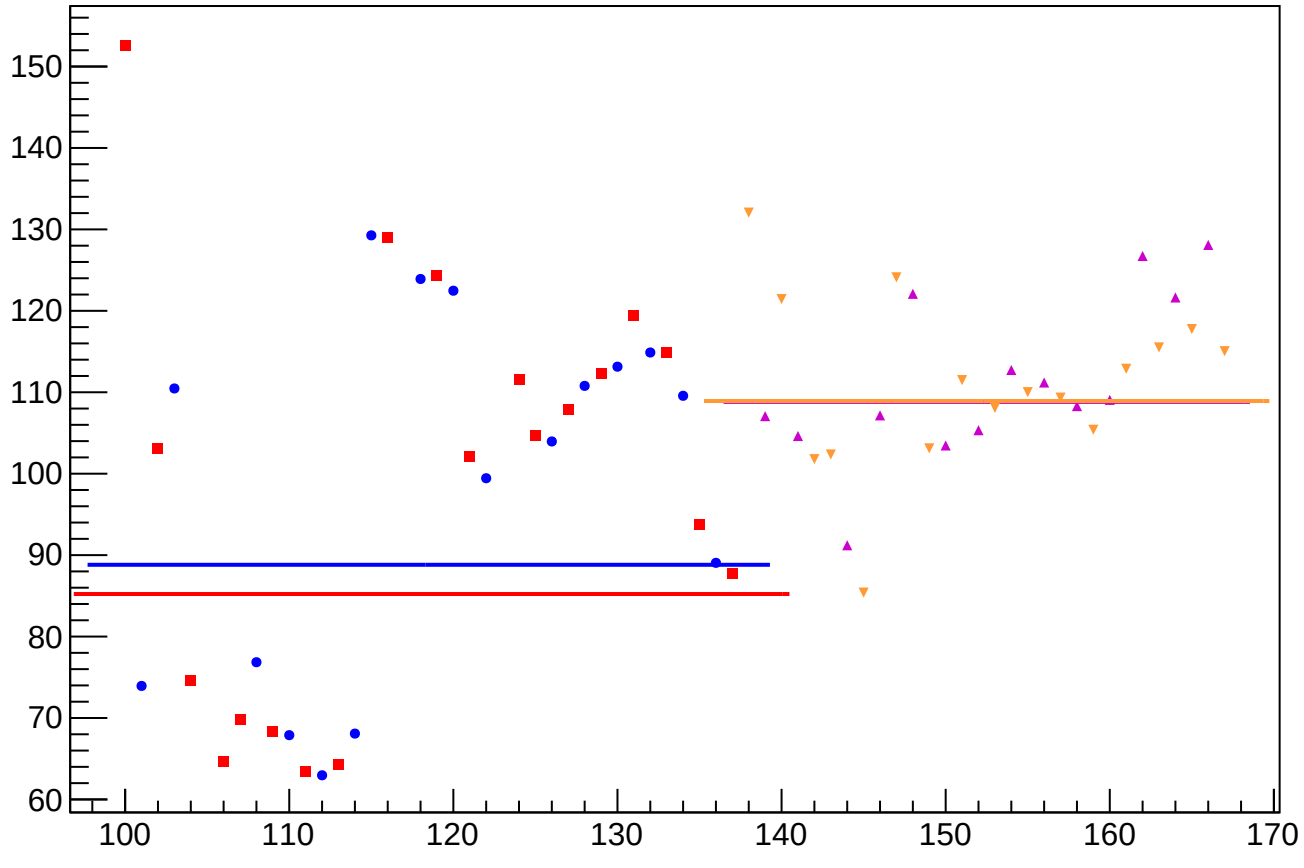
Left: 18.051+/-22.388 χ^2/NDF: 26.4/29

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 25.616+/-23.504 χ^2/NDF:23.1/29

Out: 32.859+/-22.465 χ^2/NDF:36.6/34

All: 29.401+/-16.240 χ^2/NDF: 59.8/64



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.925+/-0.022 χ^2/NDF:248555.8/15

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.815+/-0.023 χ^2/NDF:166637.4/13

Left: 108.872+/-0.016 χ^2/NDF: 415205.2/29

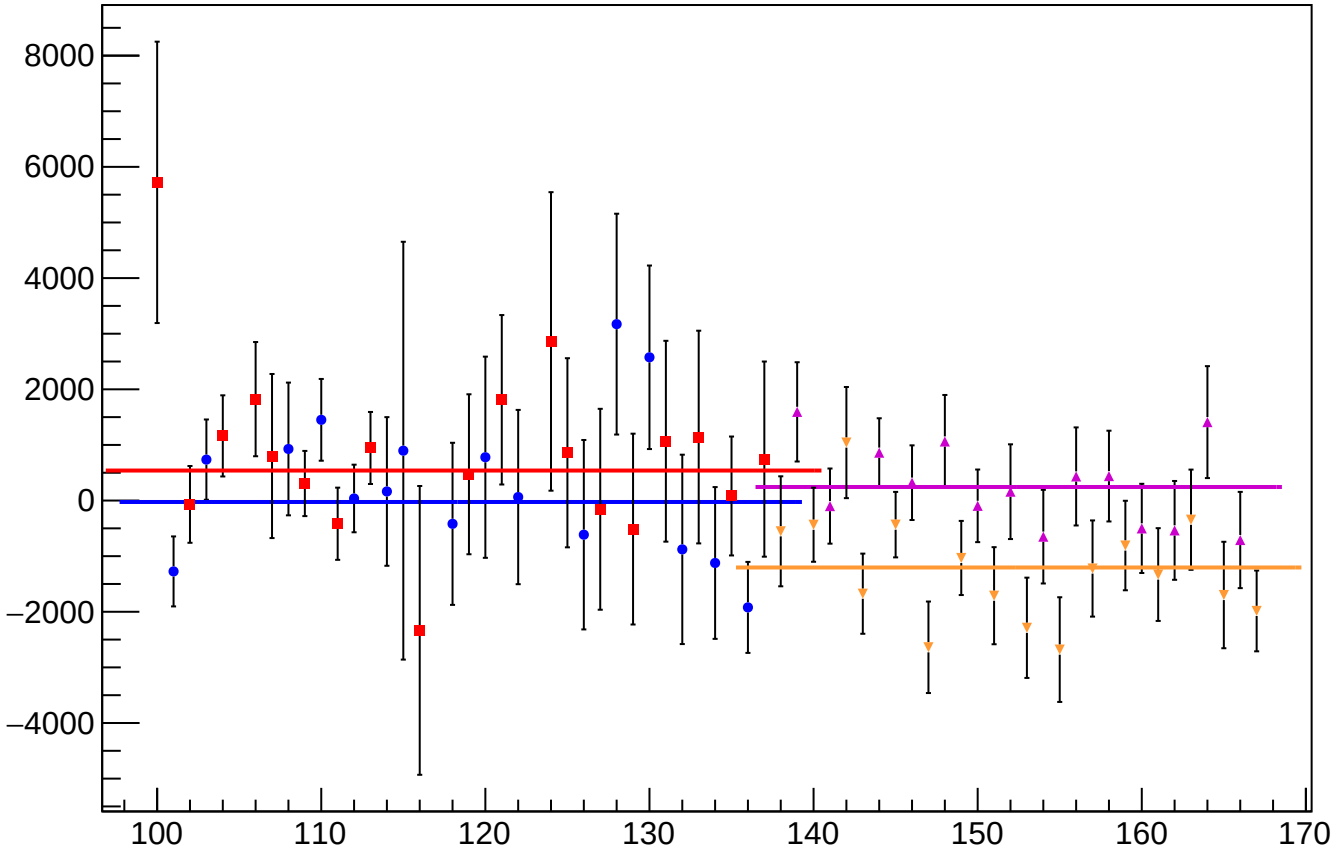
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 99.341+/-0.017 χ^2/NDF:1252318.8/29

Out: 97.692+/-0.016 χ^2/NDF:1687584.1/34

All: 98.480+/-0.011 χ^2/NDF: 2945047.7/64

asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1203.618+/-199.890 χ^2/NDF:18.9/15

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 243.724+/-209.523 χ^2/NDF:10.2/13

Left: -513.981+/-144.629 χ^2/NDF: 54.1/29

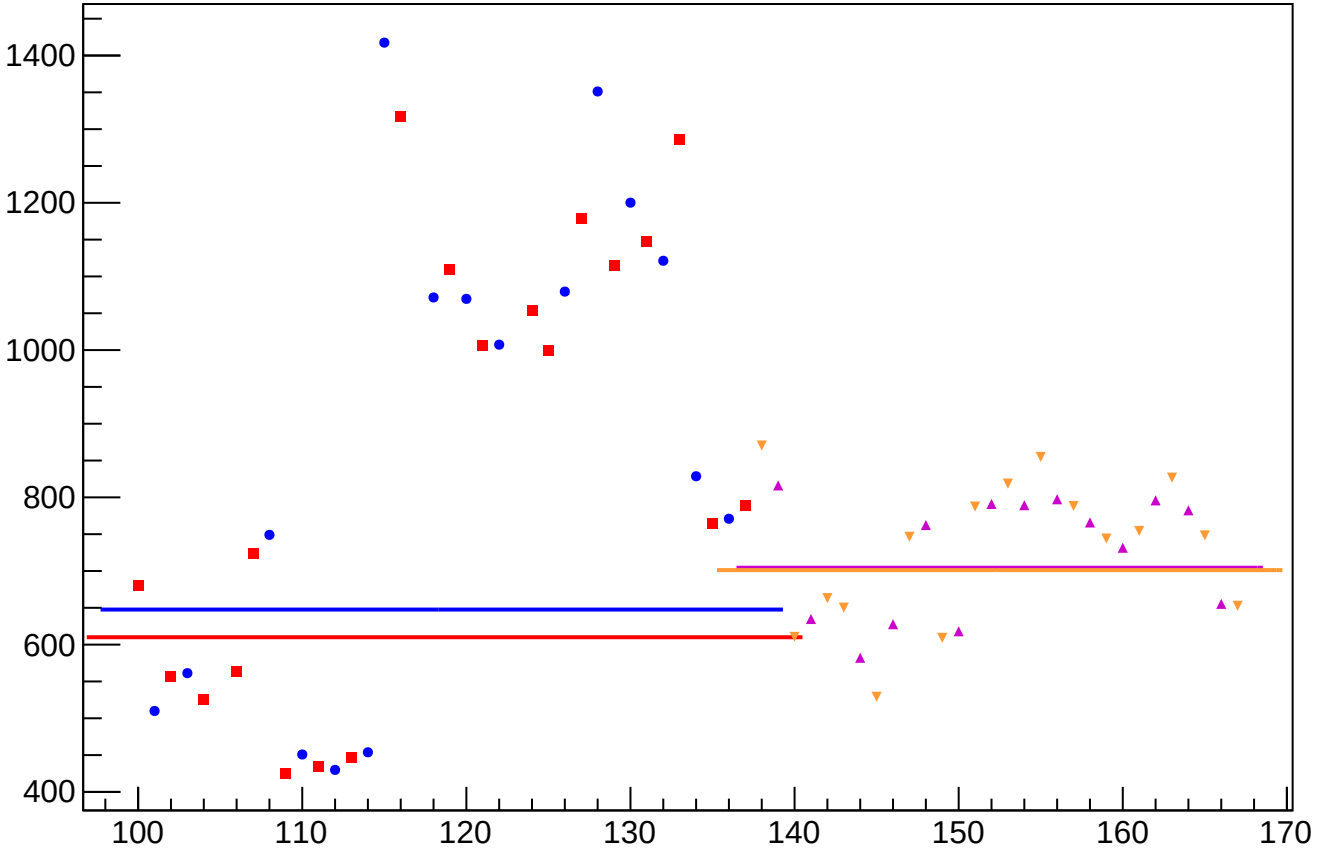
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 137.322+/-162.995 χ^2/NDF:32.4/29

Out: -493.968+/-153.918 χ^2/NDF:63.5/34

All: -196.389+/-111.908 χ^2/NDF: 103.9/64

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 701.202+/-0.141 χ^2/NDF:516771.8/15

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 704.424+/-0.148 χ^2/NDF:317987.8/13

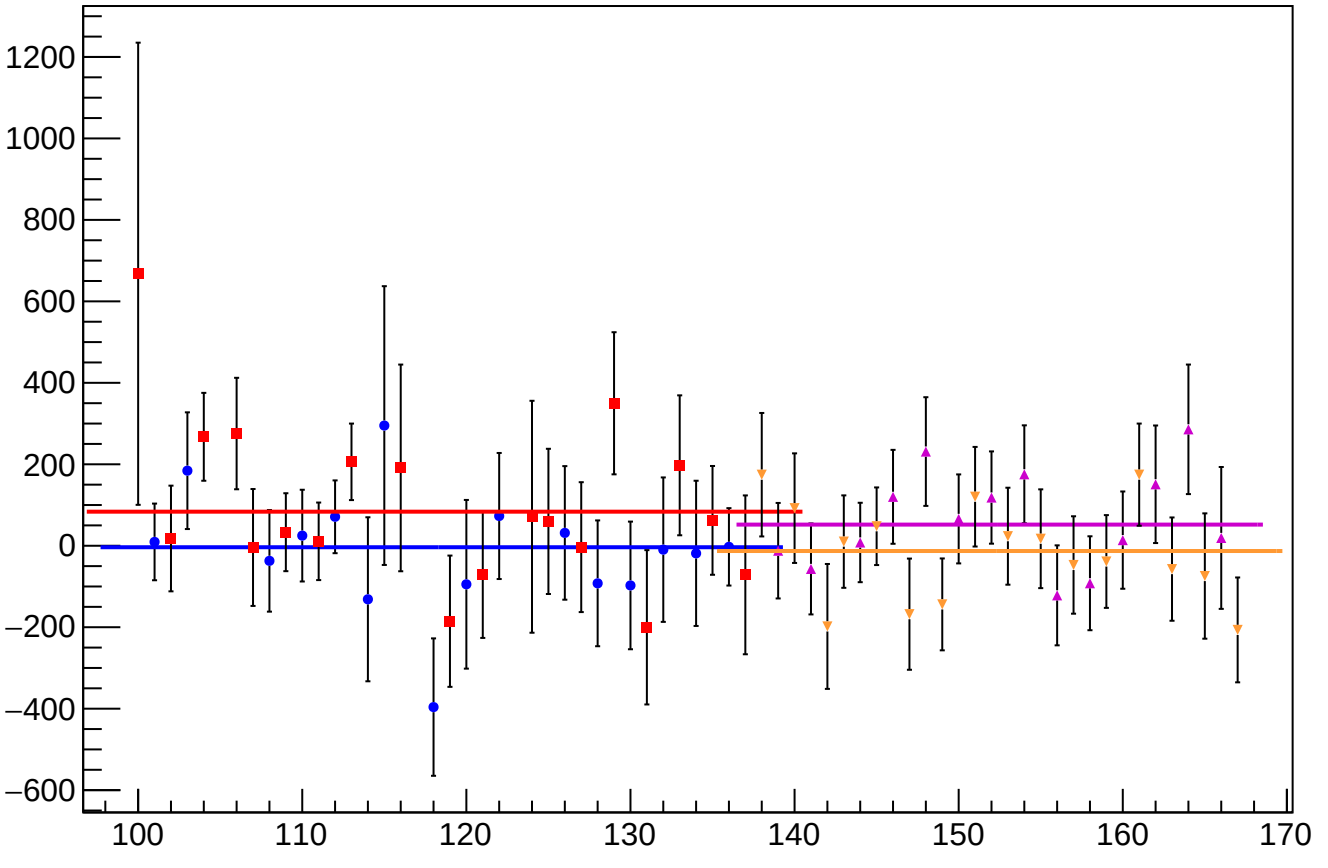
Left: 702.737+/-0.102 χ^2/NDF: 835007.2/29

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 682.004+/-0.115 χ^2/NDF:2263800.7/29

Out: 664.100+/-0.109 χ^2/NDF:2760282.5/34

All: 672.540+/-0.079 χ^2/NDF: 5036840.5/64



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -12.921+/-30.974 χ^2/NDF:12.9/15

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 51.937+/-32.396 χ^2/NDF:11.4/13

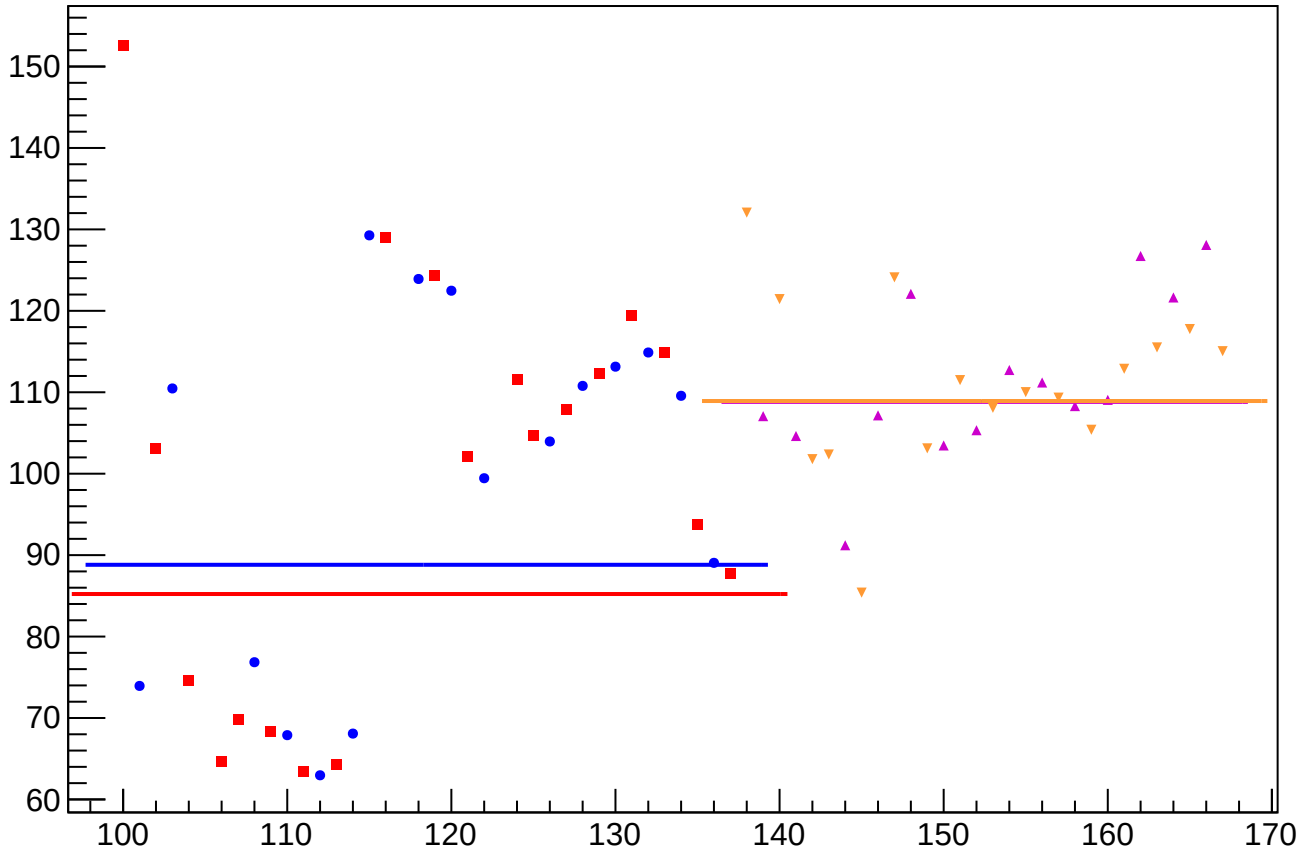
Left: 18.052+/-22.388 χ^2/NDF: 26.4/29

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 25.617+/-23.504 χ^2/NDF:23.1/29

Out: 32.860+/-22.465 χ^2/NDF:36.6/34

All: 29.402+/-16.240 χ^2/NDF: 59.8/64



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.925+/-0.022 χ^2/NDF:248553.7/15

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.815+/-0.023 χ^2/NDF:166635.2/13

Left: 108.872+/-0.016 χ^2/NDF: 415200.9/29

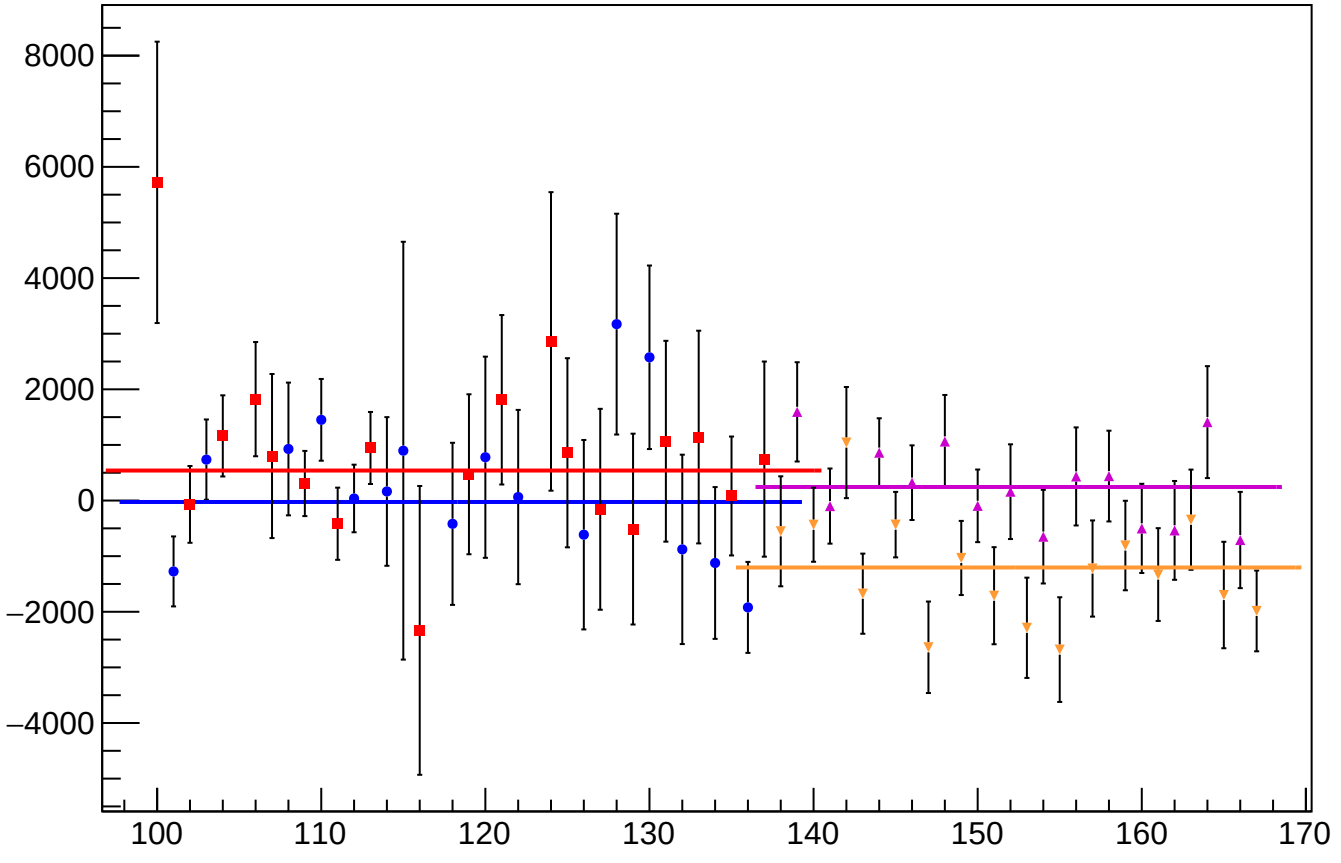
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 99.341+/-0.017 χ^2/NDF:1252324.0/29

Out: 97.692+/-0.016 χ^2/NDF:1687593.5/34

All: 98.480+/-0.011 χ^2/NDF: 2945062.6/64

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1203.616+/-199.890 χ^2/NDF:18.9/15

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 243.724+/-209.523 χ^2/NDF:10.2/13

Left: -513.980+/-144.629 χ^2/NDF: 54.1/29

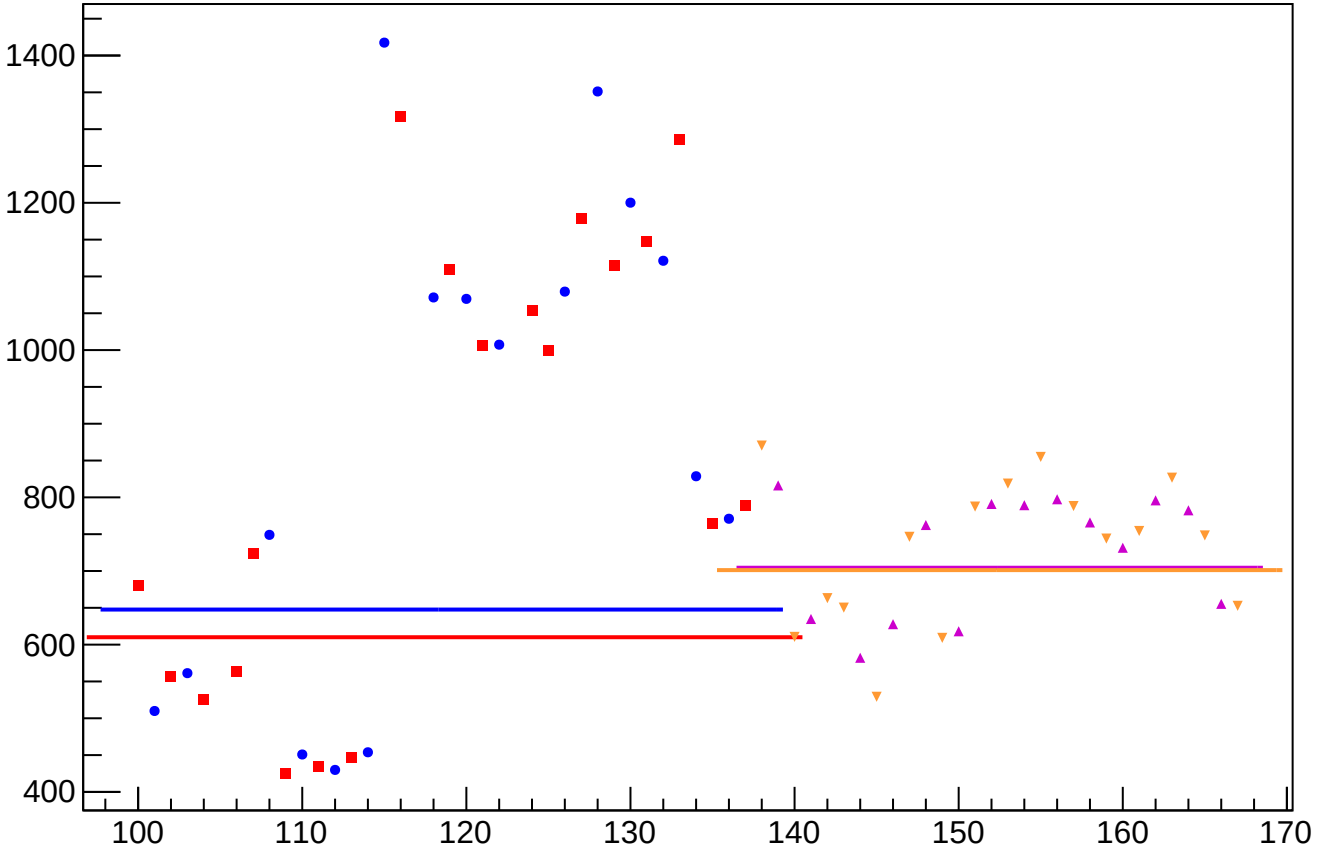
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 137.321+/-162.994 χ^2/NDF:32.4/29

Out: -493.967+/-153.917 χ^2/NDF:63.5/34

All: -196.389+/-111.907 χ^2/NDF: 103.9/64

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 701.201+/-0.141 χ^2/NDF:516773.3/15

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 704.423+/-0.148 χ^2/NDF:317985.6/13

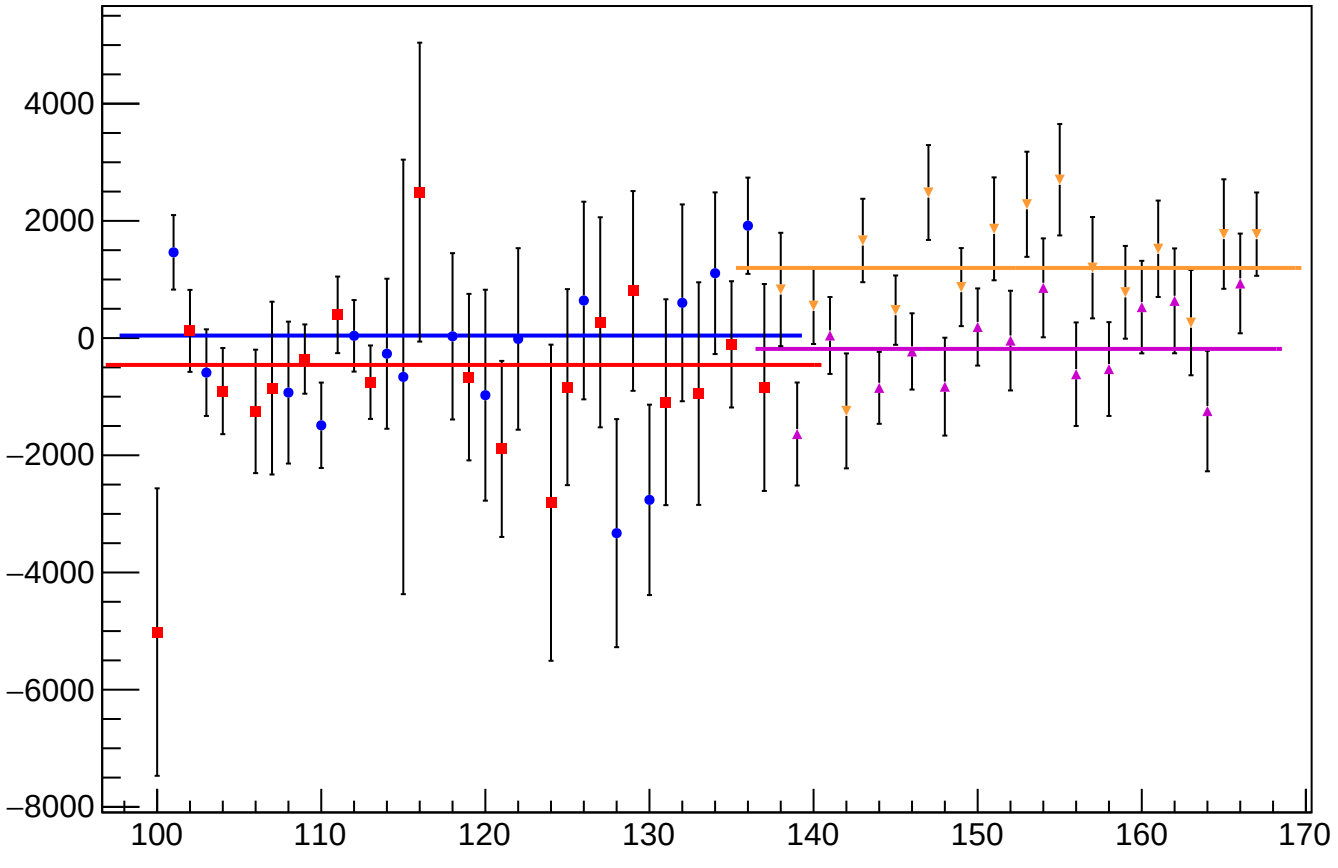
Left: 702.736+/-0.102 χ^2/NDF: 835006.5/29

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 682.004+/-0.115 χ^2/NDF:2263804.1/29

Out: 664.099+/-0.109 χ^2/NDF:2760287.7/34

All: 672.539+/-0.079 χ^2/NDF: 5036849.3/64



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1197.140+/-198.071 χ^2/NDF:19.1/15

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -184.625+/-207.696 χ^2/NDF:11.4/13

Left: 539.017+/-143.339 χ^2/NDF: 53.6/29

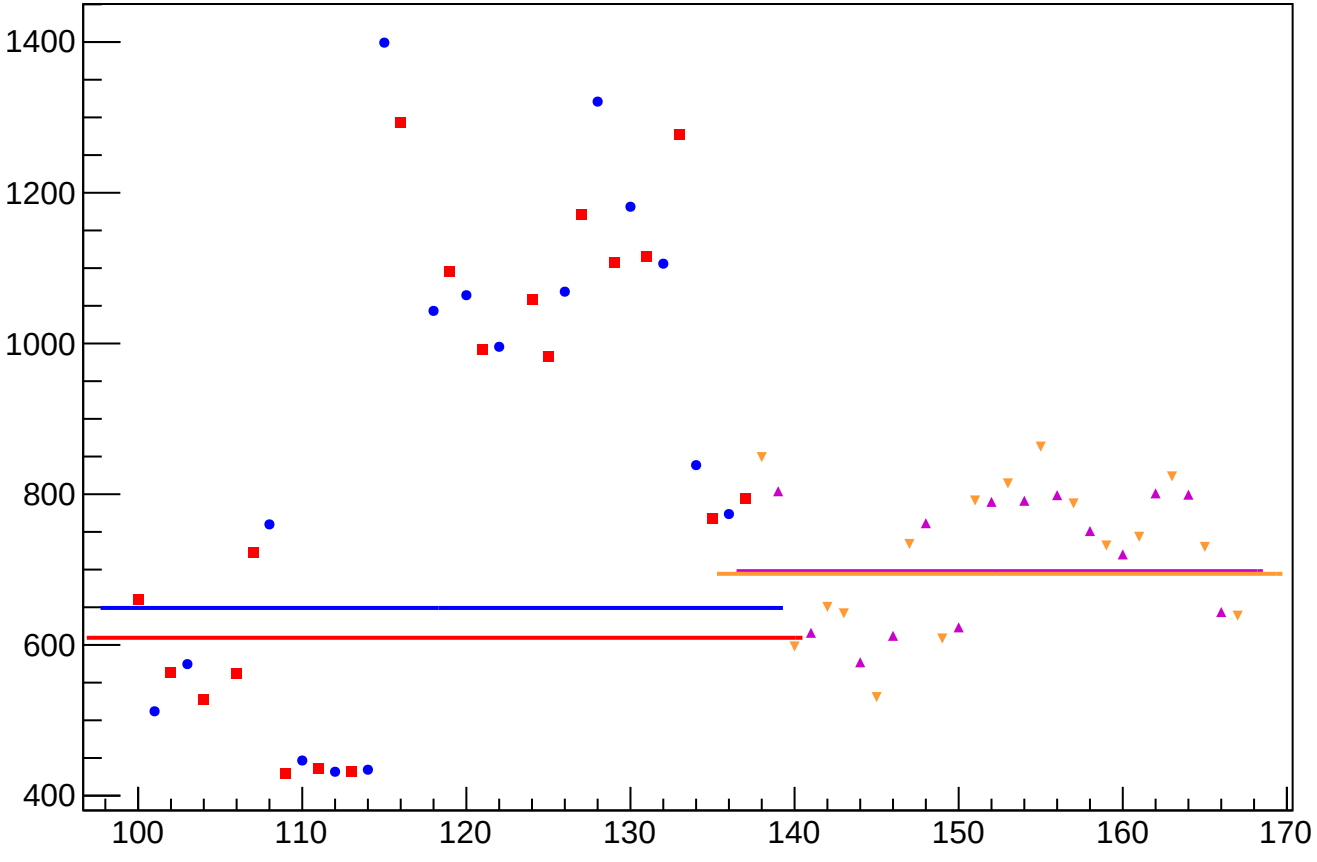
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -95.810+/-162.226 χ^2/NDF:35.1/29

Out: 530.210+/-153.051 χ^2/NDF:58.5/34

All: 235.403+/-111.326 χ^2/NDF: 101.4/64

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 694.409+/-0.140 χ^2/NDF:515535.9/15

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 697.910+/-0.147 χ^2/NDF:348358.7/13

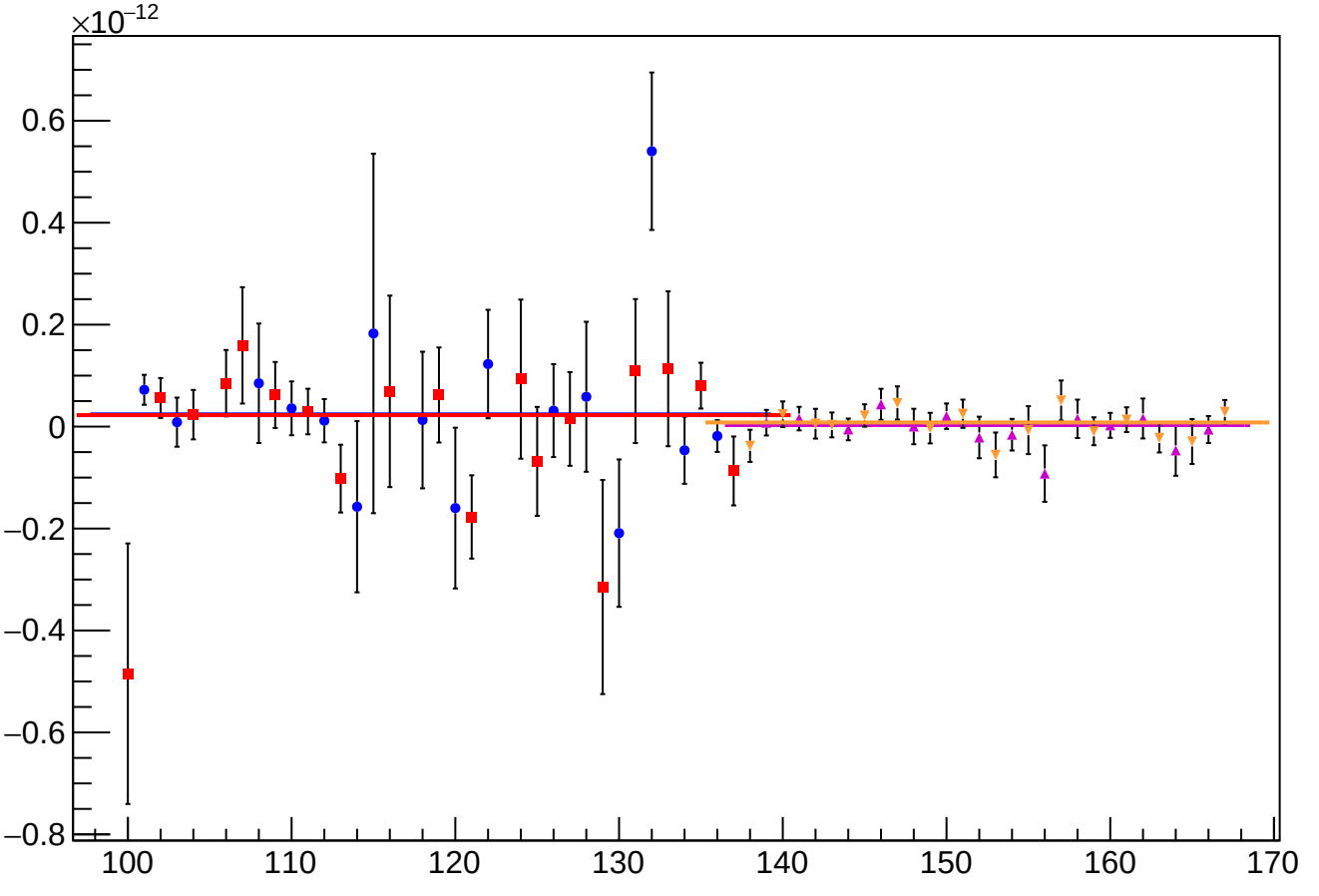
Left: 696.076+/-0.101 χ^2/NDF: 864192.2/29

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 678.874+/-0.115 χ^2/NDF:2237259.4/29

Out: 660.204+/-0.108 χ^2/NDF:2707155.4/34

All: 668.996+/-0.079 χ^2/NDF: 4958429.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/13

Left: 0.000+/-0.000 χ^2/NDF: 19.4/29

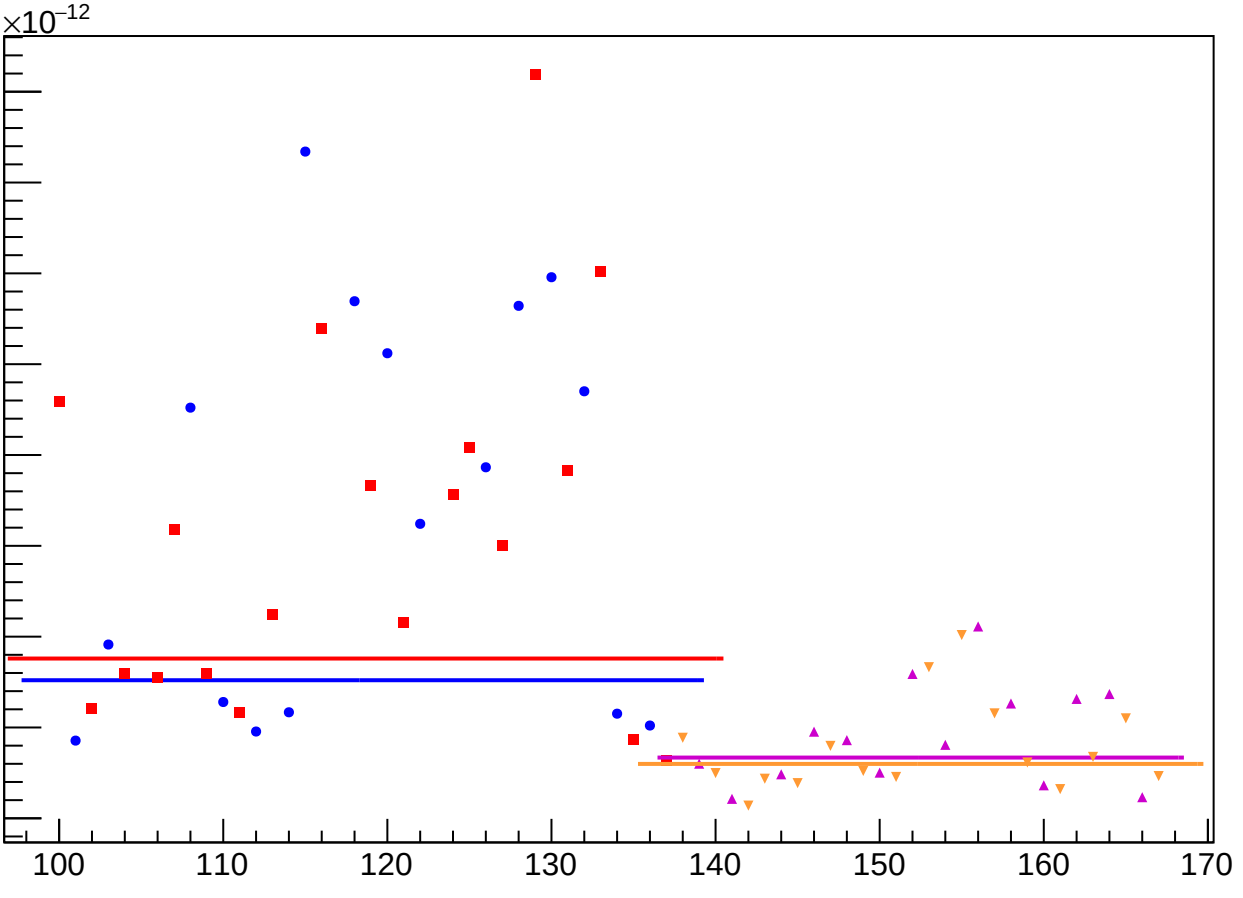
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:32.9/29

Out: 0.000+/-0.000 χ^2/NDF:37.7/34

All: 0.000+/-0.000 χ^2/NDF: 70.7/64

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:510841.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:597908.9/13

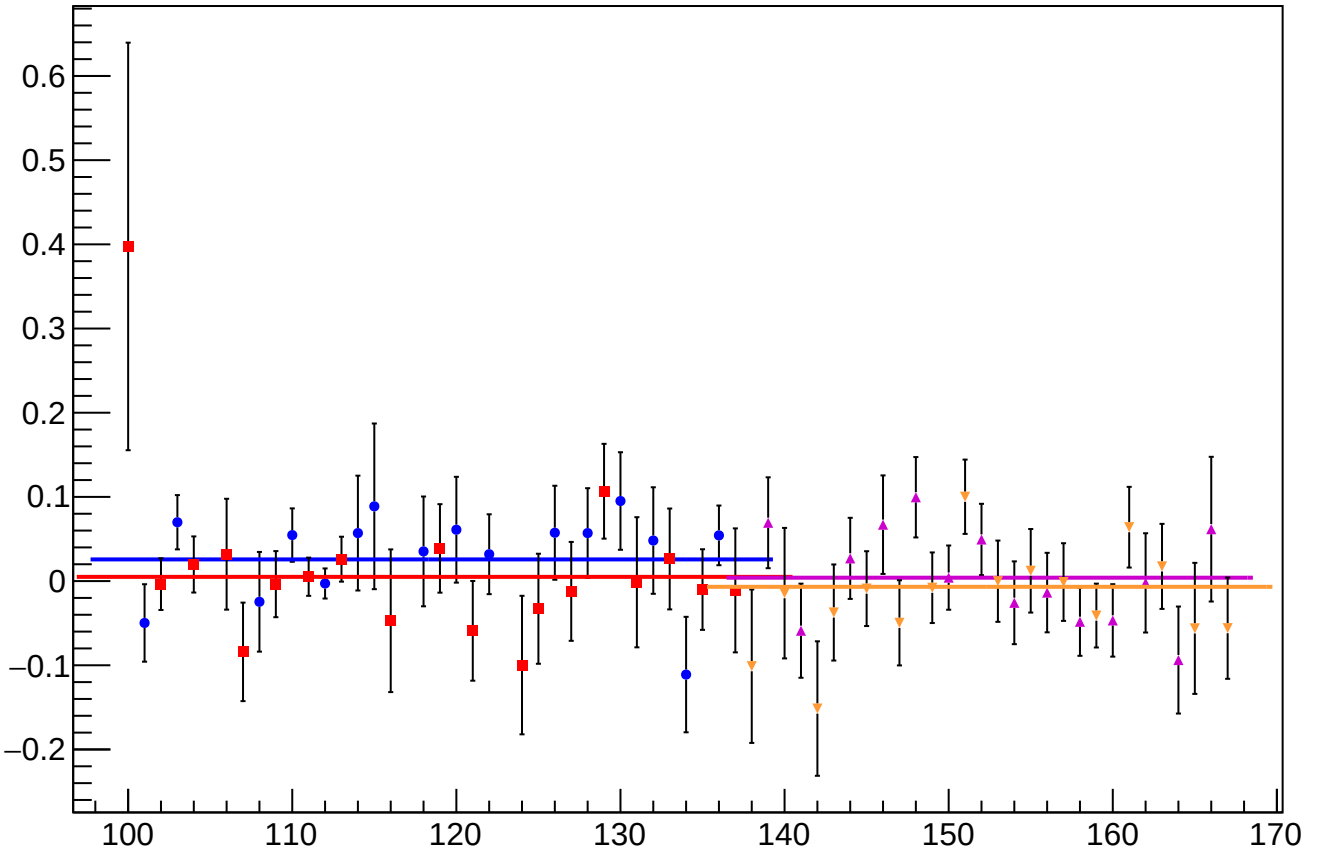
Left: 0.000+/-0.000 χ^2/NDF: 1117249.4/29

Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2403829.0/29

Out: 0.000+/-0.000 χ^2/NDF:2342376.3/34

All: 0.000+/-0.000 χ^2/NDF: 4754212.8/64



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.013 χ^2/NDF:15.7/15

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.013 χ^2/NDF:15.7/13

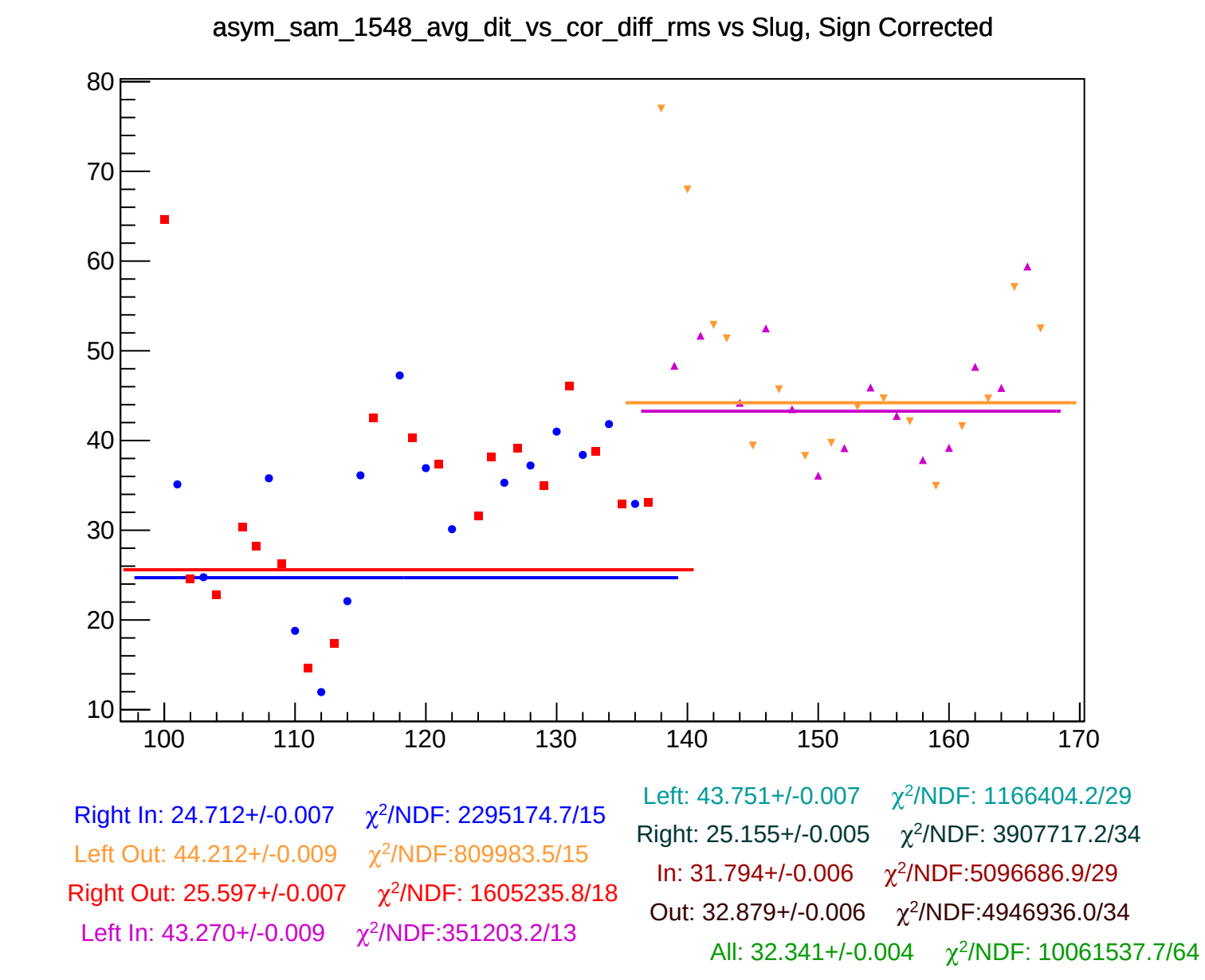
Left: -0.002+/-0.009 χ^2/NDF: 31.7/29

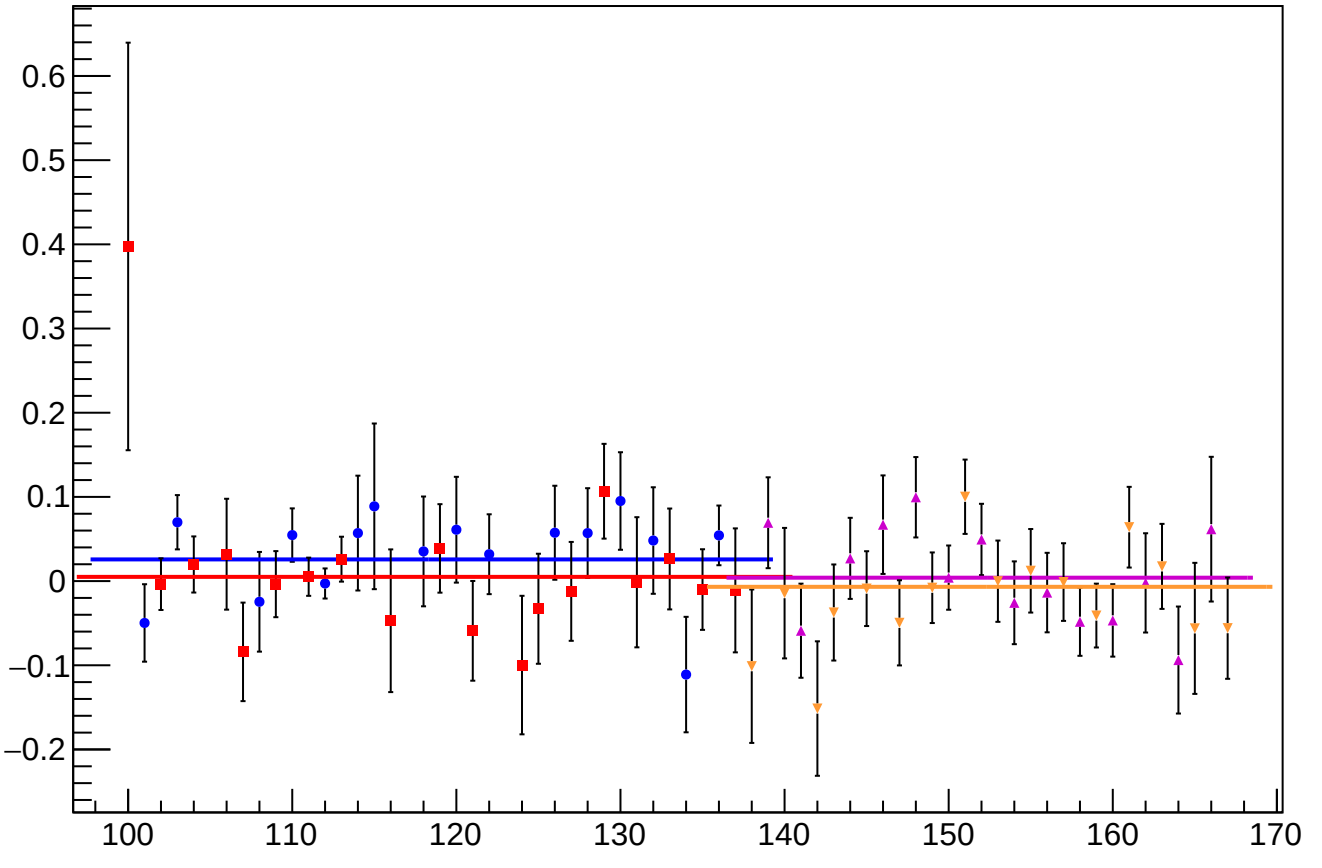
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.9/29

Out: 0.000+/-0.008 χ^2/NDF:29.8/34

All: 0.009+/-0.006 χ^2/NDF: 65.9/64


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 44.212+/-0.009 χ²/NDF:809983.5/15
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 43.270+/-0.009 χ²/NDF:351203.2/13
Left: 43.751+/-0.007 χ²/NDF: 1166404.2/29
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 31.794+/-0.006 χ²/NDF:5096686.9/29
Out: 32.879+/-0.006 χ²/NDF:4946936.0/34
All: 32.341+/-0.004 χ²/NDF: 10061537.7/64



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.013 χ^2/NDF:15.7/15

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.013 χ^2/NDF:15.7/13

Left: -0.002+/-0.009 χ^2/NDF: 31.7/29

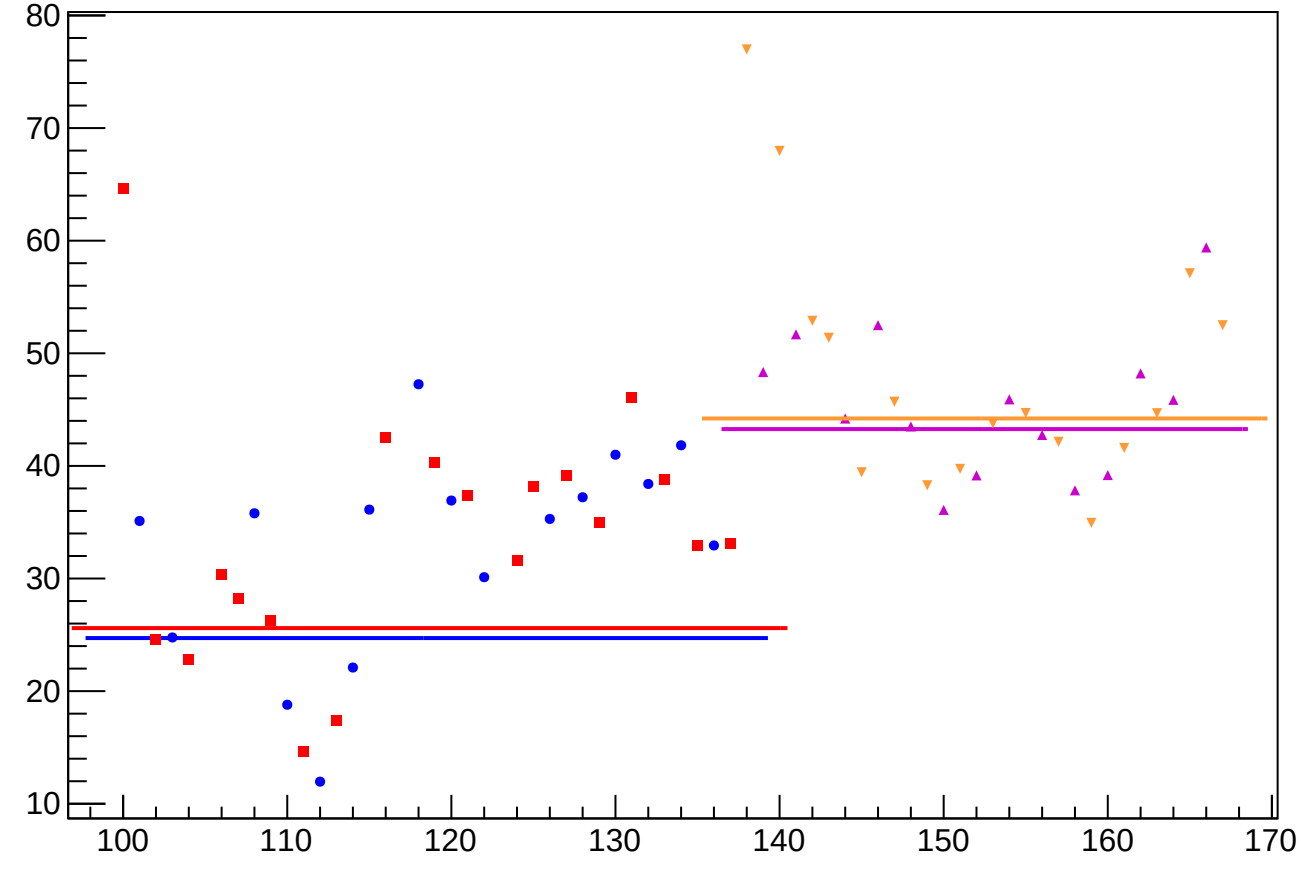
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.9/29

Out: 0.000+/-0.008 χ^2/NDF:29.8/34

All: 0.009+/-0.006 χ^2/NDF: 65.9/64

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.212+/-0.009 χ^2/NDF:809983.5/15

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.270+/-0.009 χ^2/NDF:351203.2/13

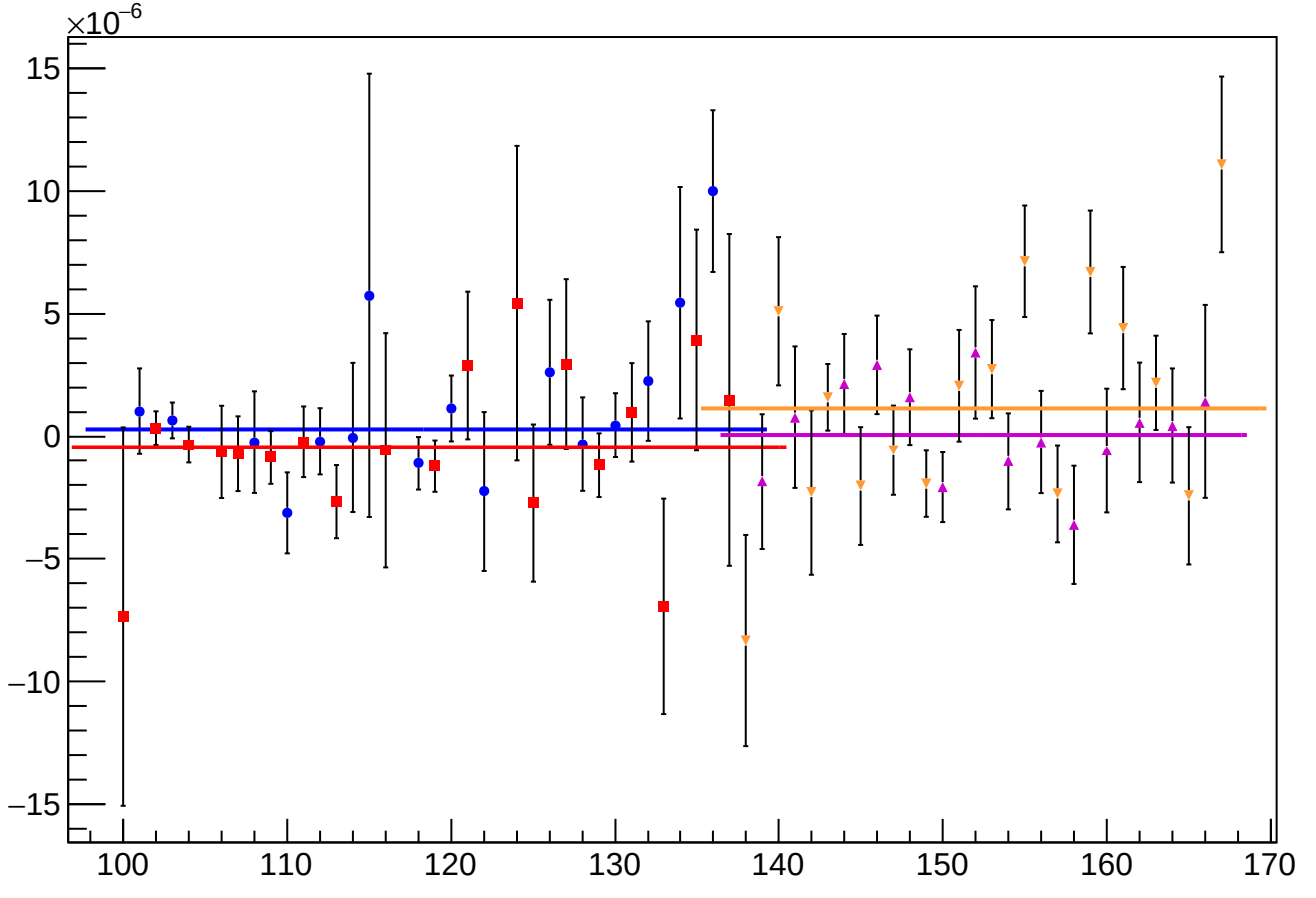
Left: 43.751+/-0.007 χ^2/NDF: 1166404.2/29

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 31.794+/-0.006 χ^2/NDF:5096686.9/29

Out: 32.879+/-0.006 χ^2/NDF:4946936.0/34

All: 32.341+/-0.004 χ^2/NDF: 10061537.7/64



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/13

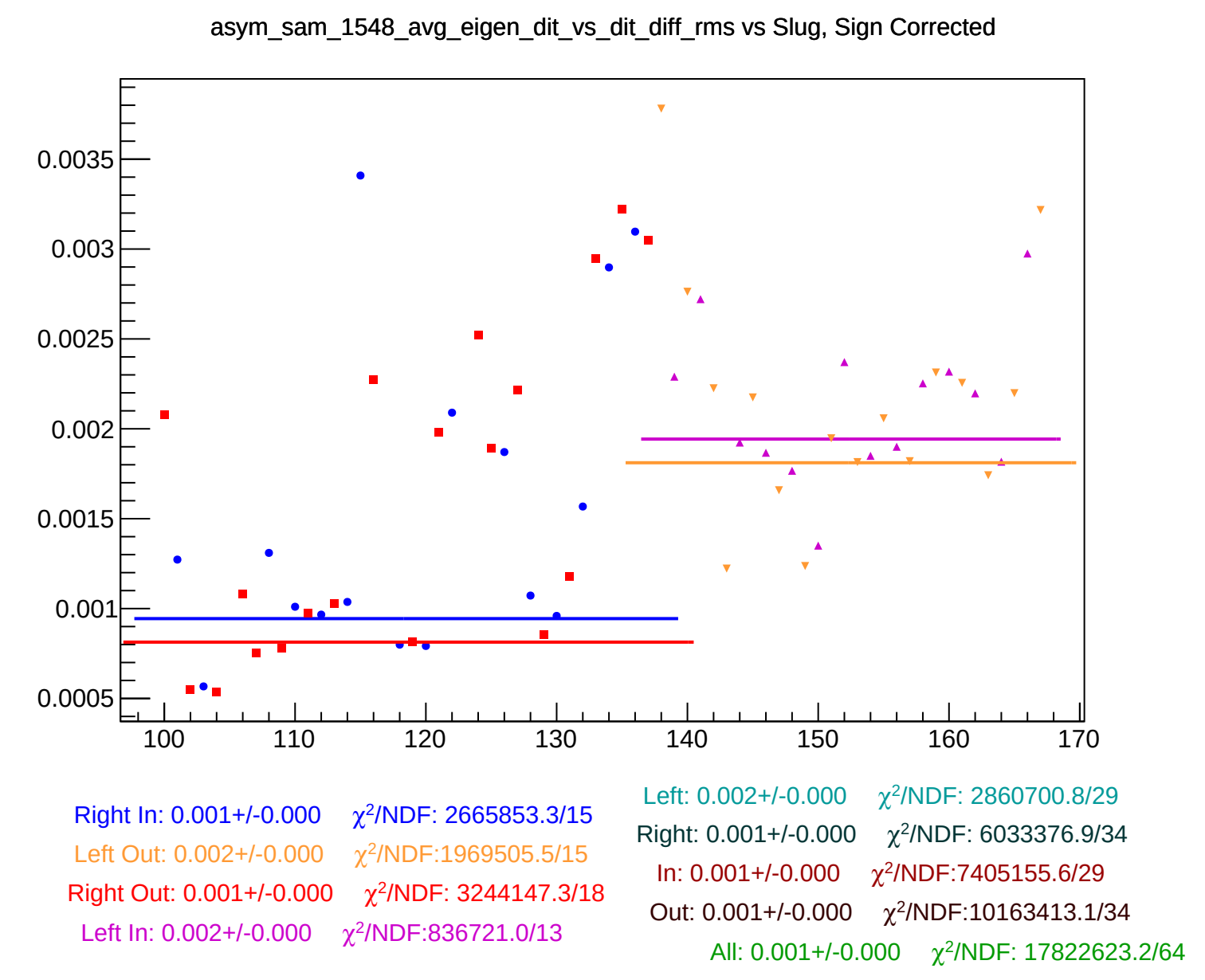
Left: 0.000+/-0.000 χ^2/NDF: 55.6/29

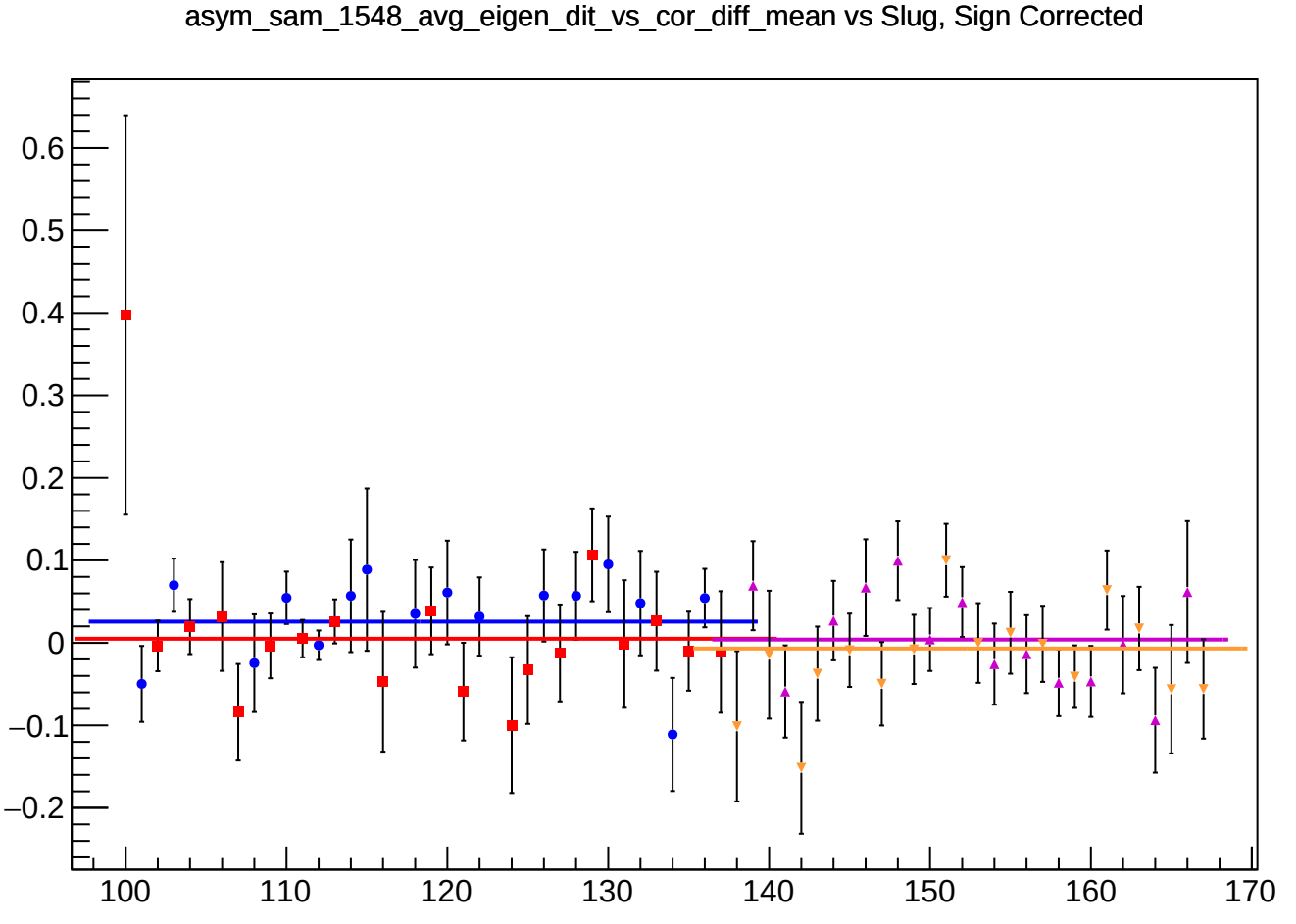
Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

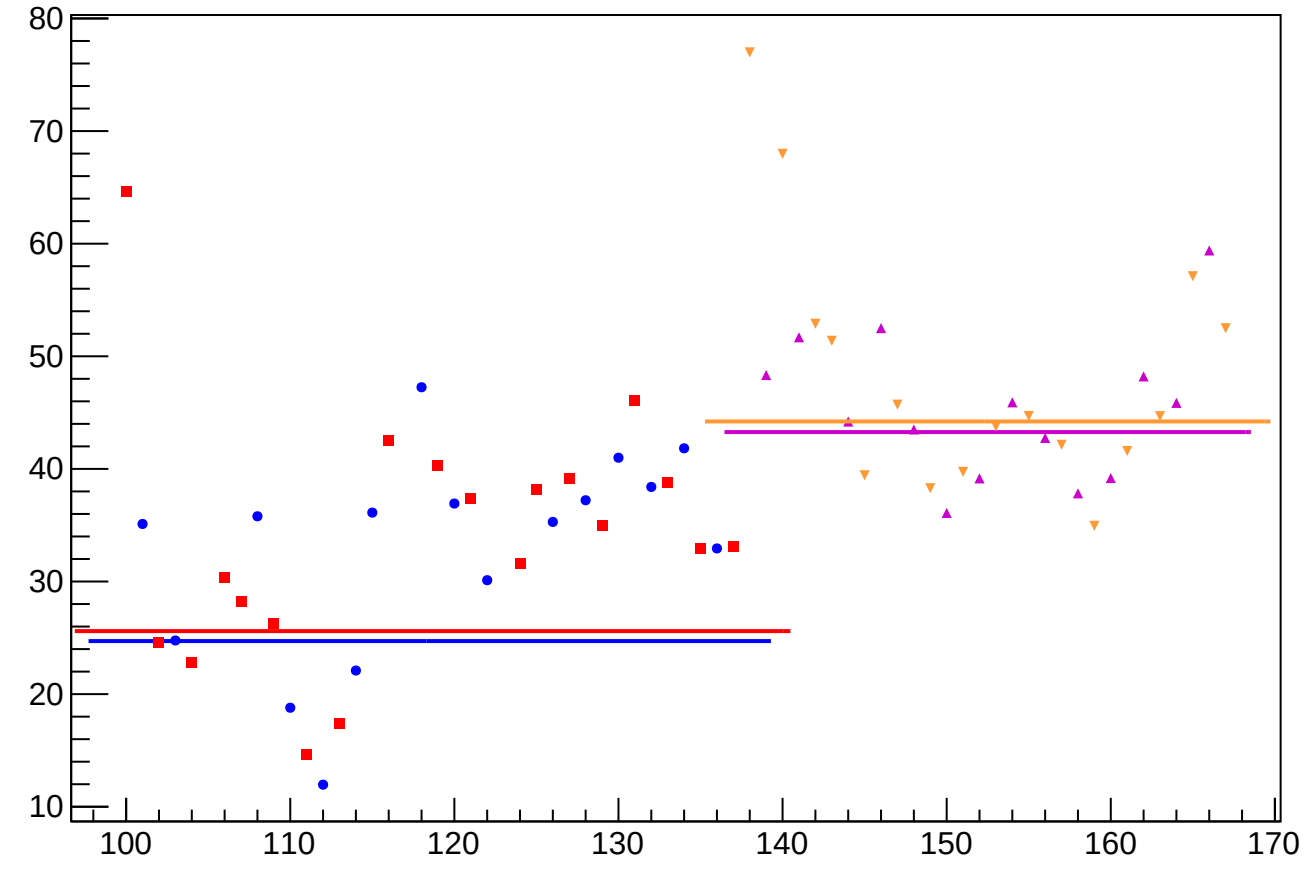
In: 0.000+/-0.000 χ^2/NDF:30.4/29

Out: 0.000+/-0.000 χ^2/NDF:61.7/34

All: 0.000+/-0.000 χ^2/NDF: 92.4/64


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1969505.5/15
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:836721.0/13
Left: 0.002+/-0.000 χ²/NDF: 2860700.8/29
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:7405155.6/29
Out: 0.001+/-0.000 χ²/NDF:10163413.1/34
All: 0.001+/-0.000 χ²/NDF: 17822623.2/64


asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.026+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.007+/-0.013 χ²/NDF:15.7/15
Right Out: 0.005+/-0.010 χ²/NDF: 13.6/18
Left In: 0.004+/-0.013 χ²/NDF:15.7/13
Left: -0.002+/-0.009 χ²/NDF: 31.7/29
Right: 0.015+/-0.007 χ²/NDF: 32.1/34
In: 0.017+/-0.008 χ²/NDF:33.9/29
Out: 0.000+/-0.008 χ²/NDF:29.8/34
All: 0.009+/-0.006 χ²/NDF: 65.9/64



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.213+/-0.009 χ^2/NDF:809973.0/15

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.270+/-0.009 χ^2/NDF:351205.3/13

Left: 43.751+/-0.007 χ^2/NDF: 1166395.3/29

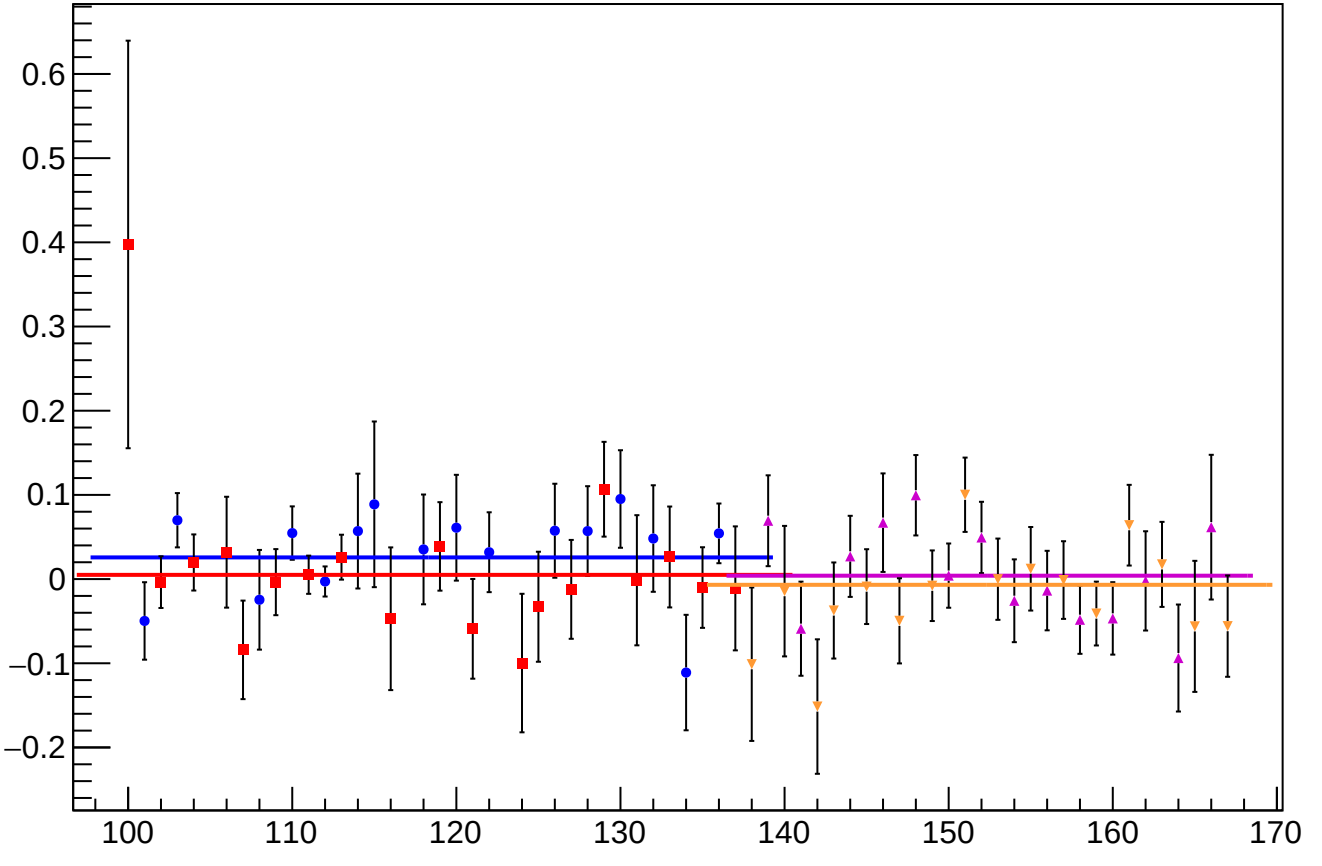
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 31.793+/-0.006 χ^2/NDF:5097122.9/29

Out: 32.879+/-0.006 χ^2/NDF:4947288.4/34

All: 32.341+/-0.004 χ^2/NDF: 10062330.8/64

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.013 χ^2/NDF:15.7/15

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.013 χ^2/NDF:15.7/13

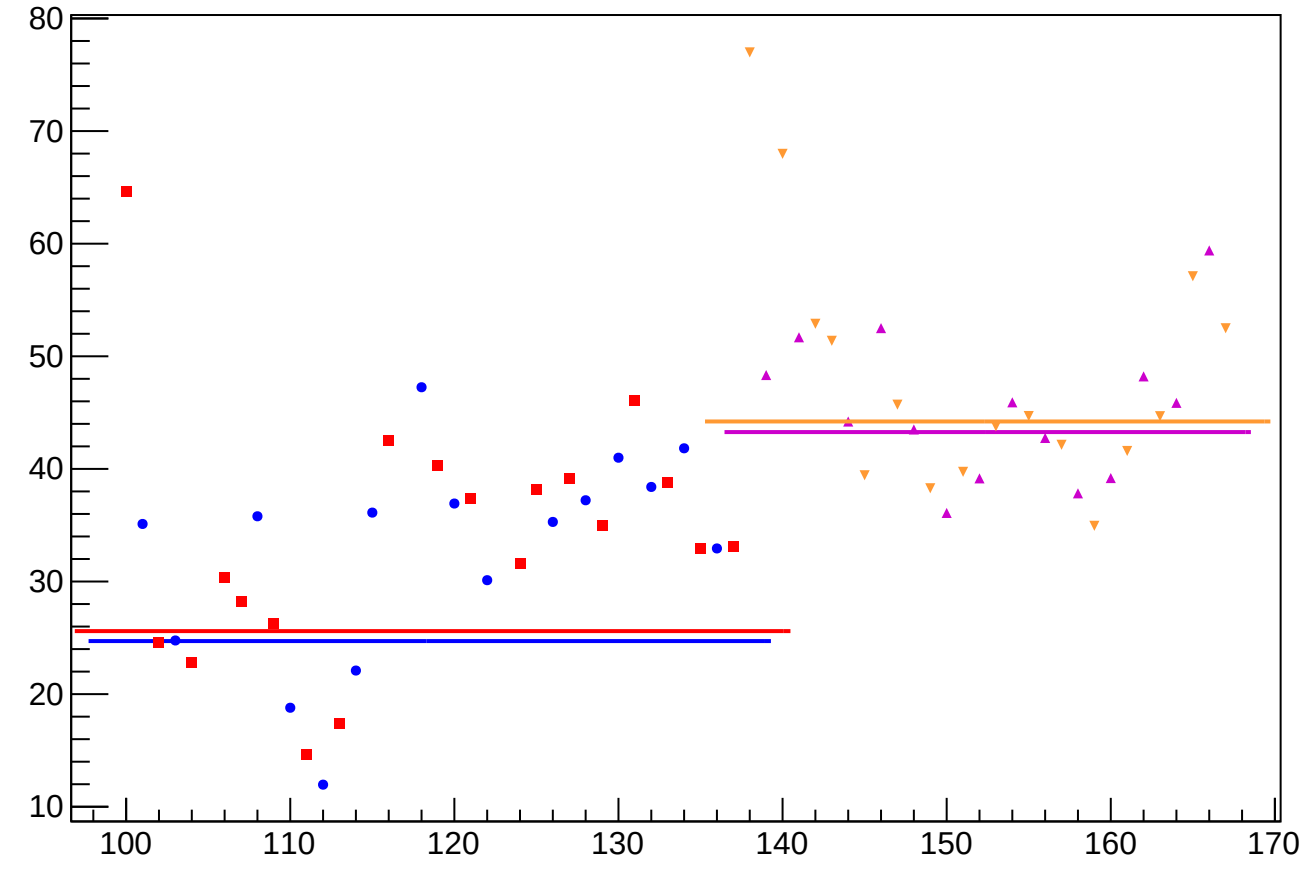
Left: -0.002+/-0.009 χ^2/NDF: 31.7/29

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.9/29

Out: 0.000+/-0.008 χ^2/NDF:29.8/34

All: 0.009+/-0.006 χ^2/NDF: 65.9/64



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.213+/-0.009 χ^2/NDF:809973.0/15

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.270+/-0.009 χ^2/NDF:351205.3/13

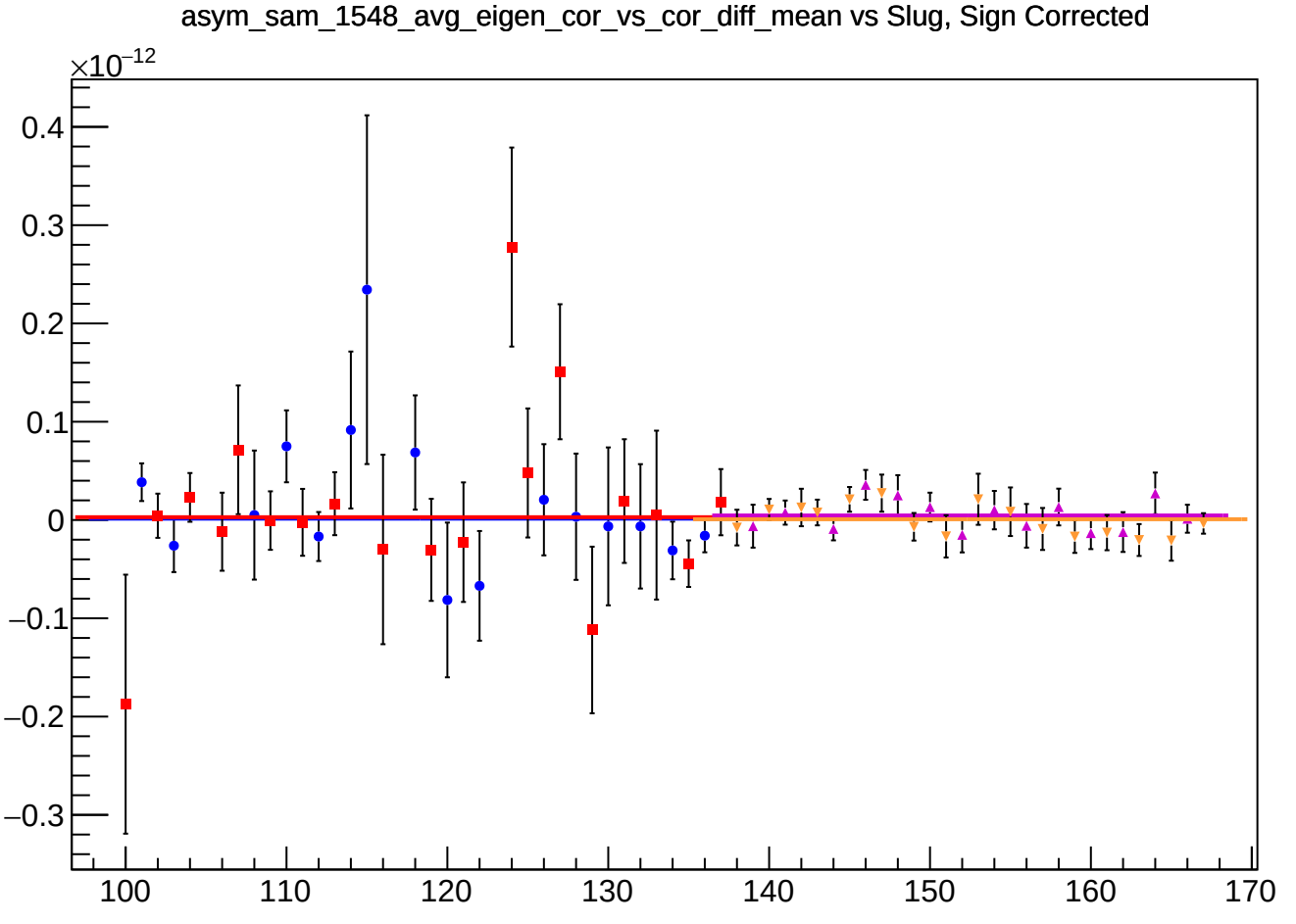
Left: 43.751+/-0.007 χ^2/NDF: 1166395.3/29

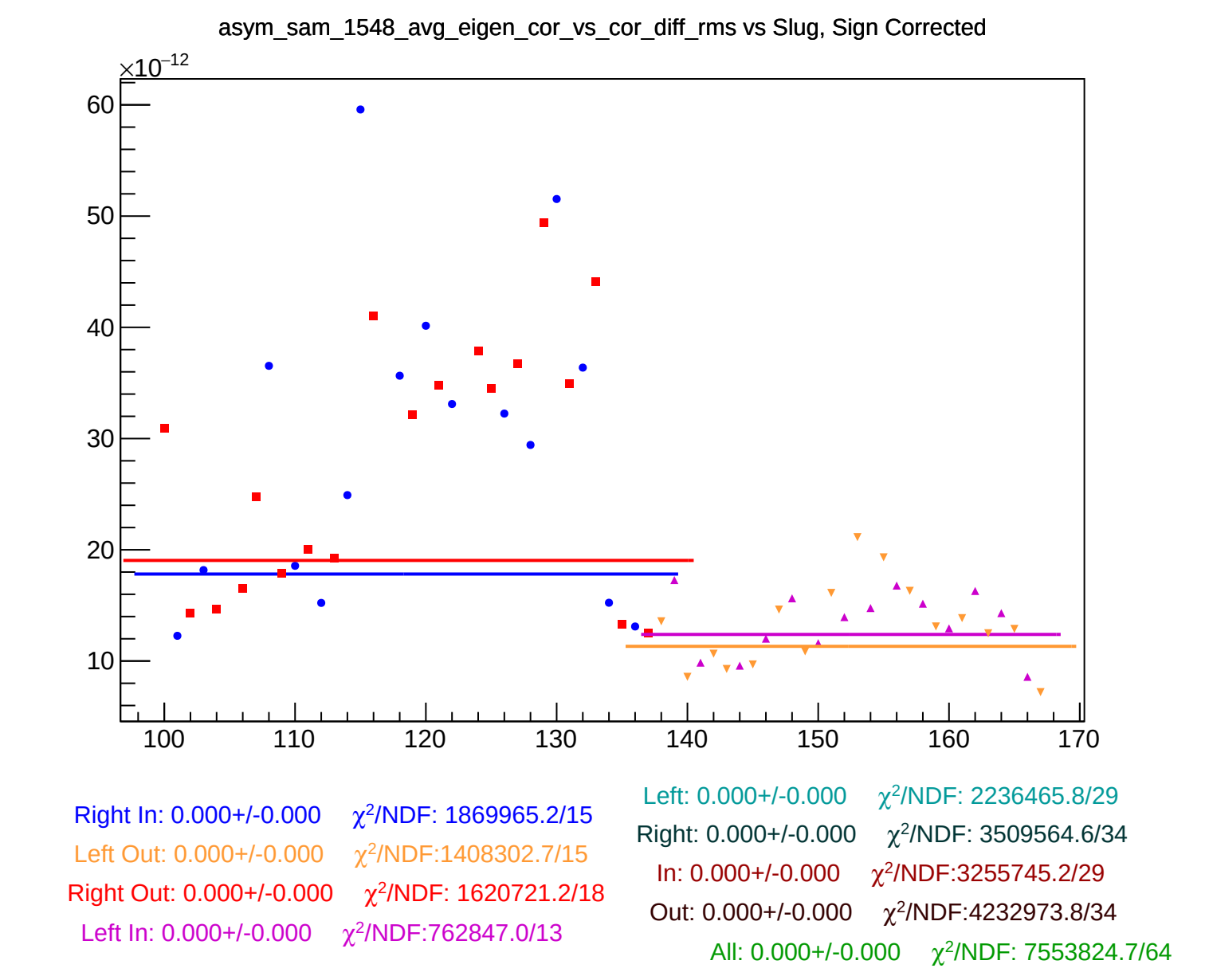
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

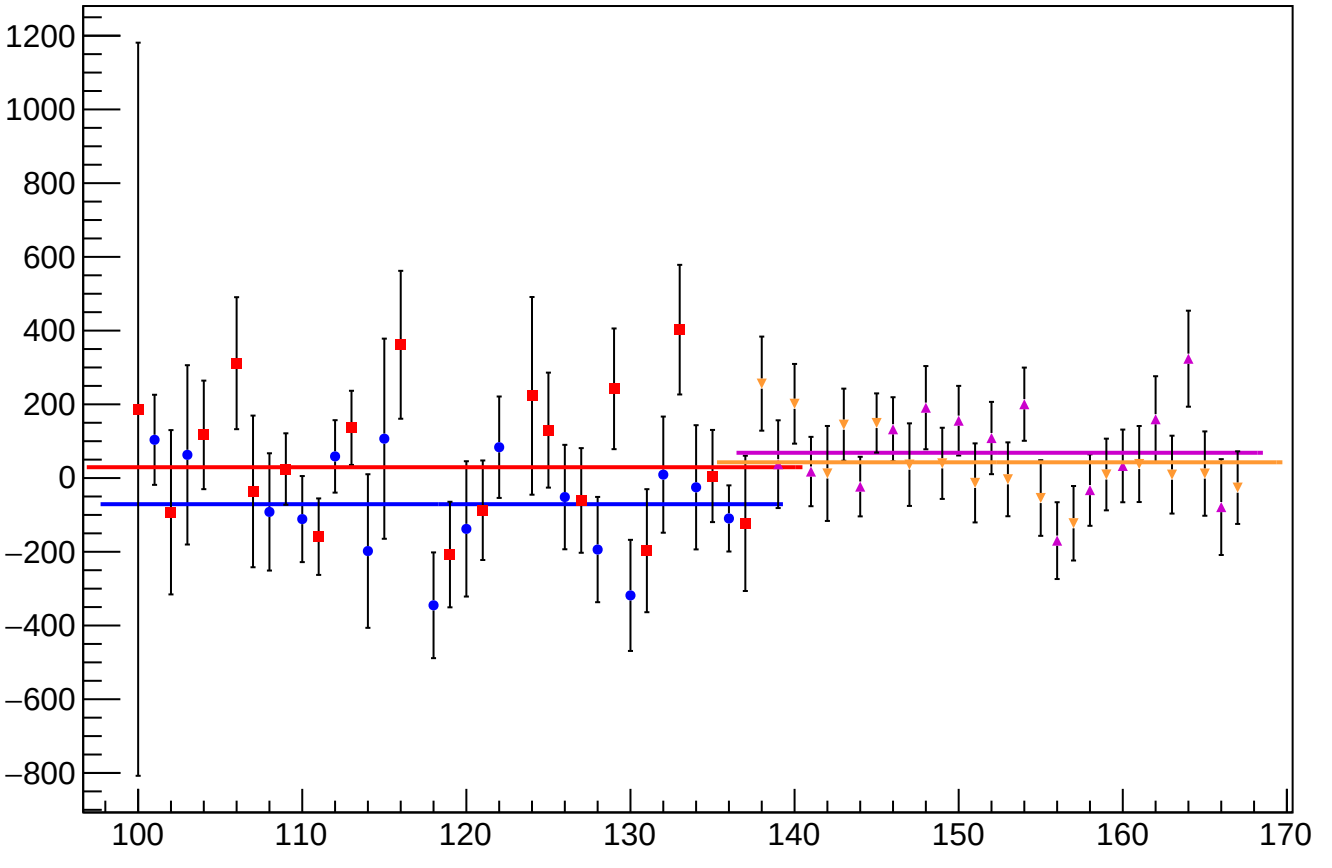
In: 31.793+/-0.006 χ^2/NDF:5097122.9/29

Out: 32.879+/-0.006 χ^2/NDF:4947288.4/34

All: 32.341+/-0.004 χ^2/NDF: 10062330.8/64


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.7/15
Left Out: 0.000+/-0.000 χ²/NDF:12.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/18
Left In: 0.000+/-0.000 χ²/NDF:12.1/13
Left: 0.000+/-0.000 χ²/NDF: 25.3/29
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:30.9/29
Out: 0.000+/-0.000 χ²/NDF:36.4/34
All: 0.000+/-0.000 χ²/NDF: 67.6/64


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1408302.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:762847.0/13
Left: 0.000+/-0.000 χ²/NDF: 2236465.8/29
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:3255745.2/29
Out: 0.000+/-0.000 χ²/NDF:4232973.8/34
All: 0.000+/-0.000 χ²/NDF: 7553824.7/64



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 42.759+/-25.804 χ^2/NDF:12.7/15

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 68.585+/-27.133 χ^2/NDF:18.3/13

Left: 55.024+/-18.698 χ^2/NDF: 31.5/29

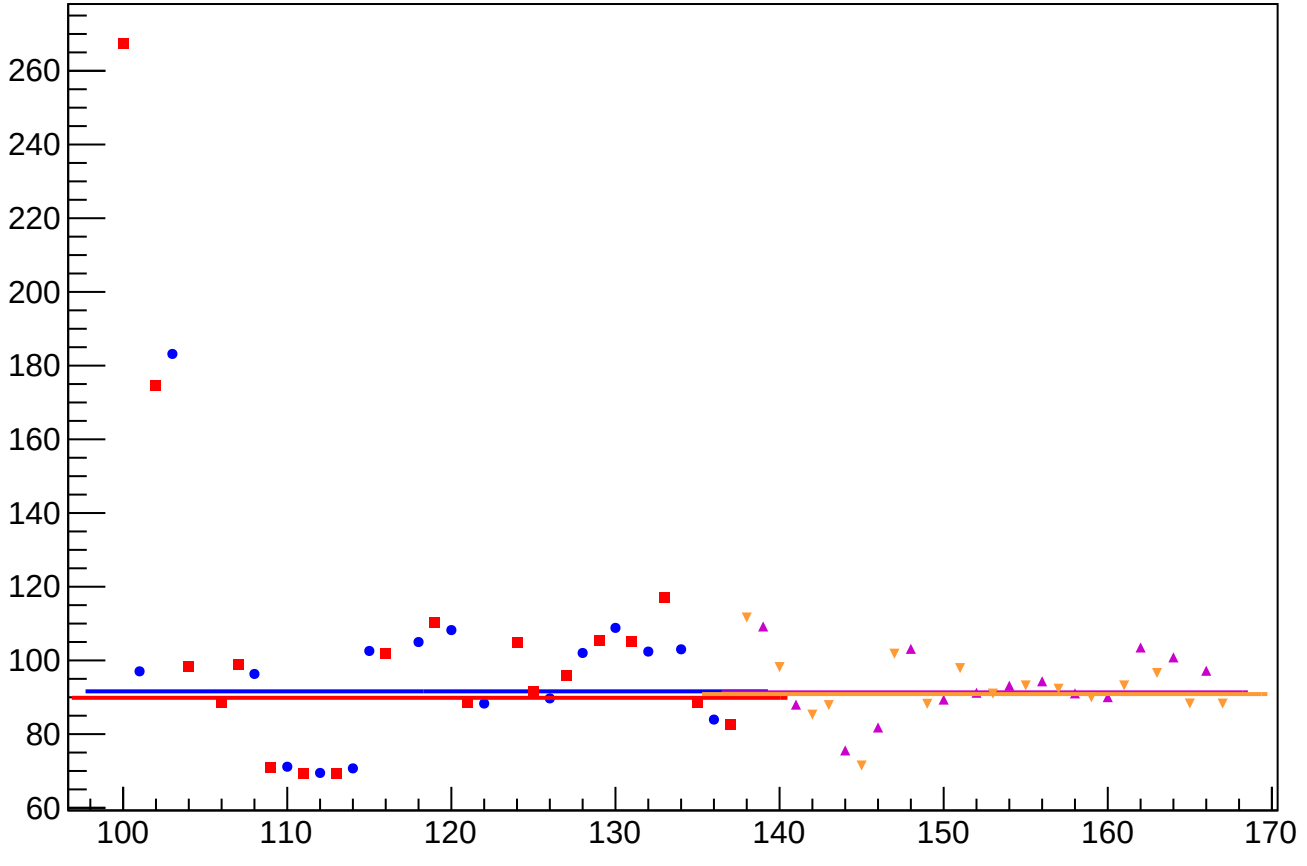
Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 16.455+/-21.472 χ^2/NDF:42.3/29

Out: 37.924+/-20.608 χ^2/NDF:36.8/34

All: 27.630+/-14.868 χ^2/NDF: 79.6/64

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.868+/-0.018 χ^2/NDF:224382.1/15

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 91.339+/-0.019 χ^2/NDF:209700.7/13

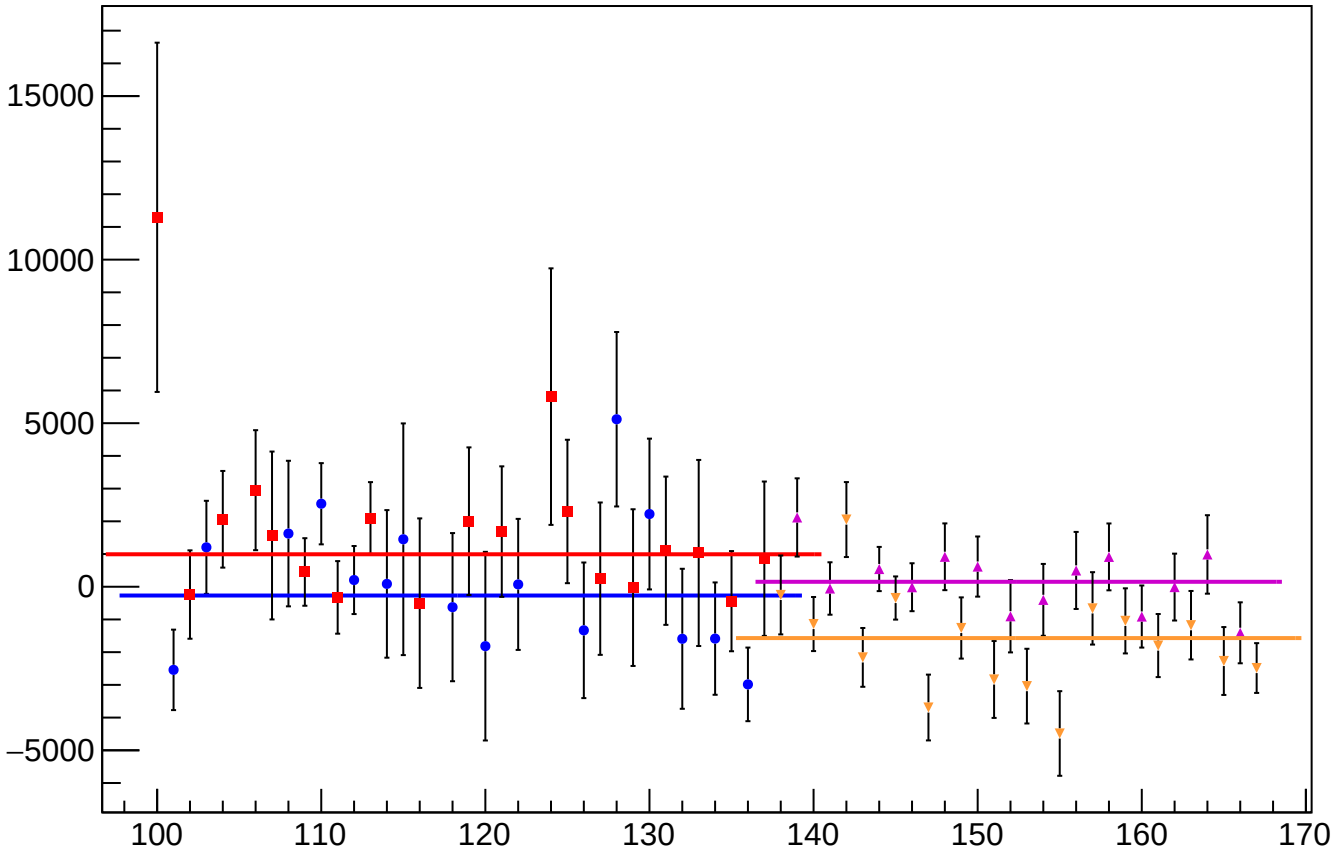
Left: 91.092+/-0.013 χ^2/NDF: 434398.9/29

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 91.439+/-0.015 χ^2/NDF:790447.0/29

Out: 90.501+/-0.015 χ^2/NDF:971789.0/34

All: 90.951+/-0.011 χ^2/NDF: 1764224.6/64



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1569.543+/-241.582 χ^2/NDF:30.9/15

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 151.202+/-252.437 χ^2/NDF:10.3/13

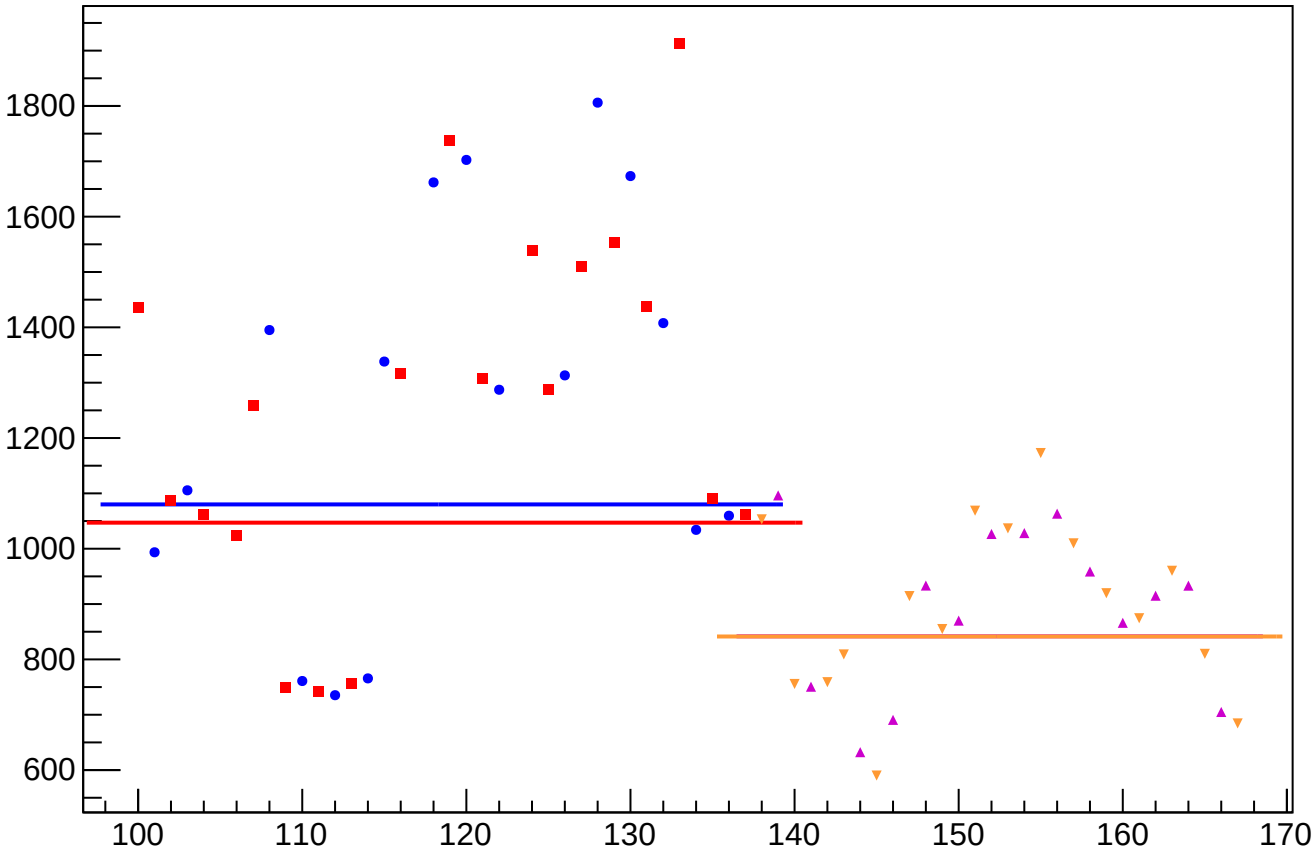
Left: -746.962+/-174.536 χ^2/NDF: 65.4/29

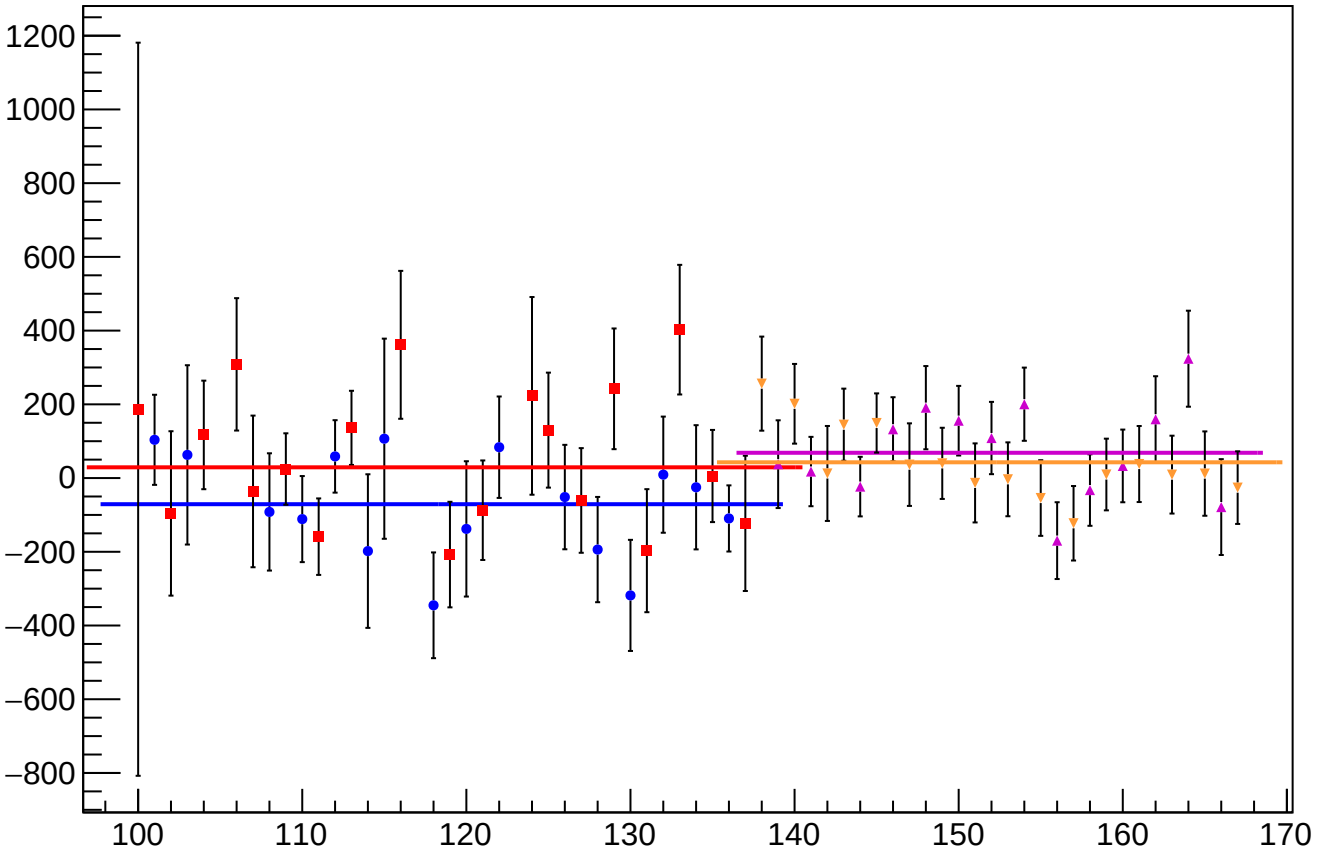
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 39.660+/-216.306 χ^2/NDF:34.5/29

Out: -886.800+/-206.907 χ^2/NDF:73.5/34

All: -444.135+/-149.518 χ^2/NDF: 117.6/64


asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
100
110
120
130
140
150
160
170
Right In: 1080.045+/-0.297 χ²/NDF: 1053468.5/15
Left Out: 841.394+/-0.171 χ²/NDF:835418.3/15
Right Out: 1047.068+/-0.283 χ²/NDF: 1198646.2/18
Left In: 841.704+/-0.179 χ²/NDF:688449.4/13
Left: 841.542+/-0.123 χ²/NDF: 1523869.2/29
Right: 1062.803+/-0.205 χ²/NDF: 2258574.4/34
In: 905.049+/-0.153 χ²/NDF:2215758.5/29
Out: 896.199+/-0.146 χ²/NDF:2420343.7/34
All: 900.427+/-0.106 χ²/NDF: 4637850.6/64



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 42.765+/-25.804 χ^2/NDF:12.7/15

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 68.586+/-27.133 χ^2/NDF:18.3/13

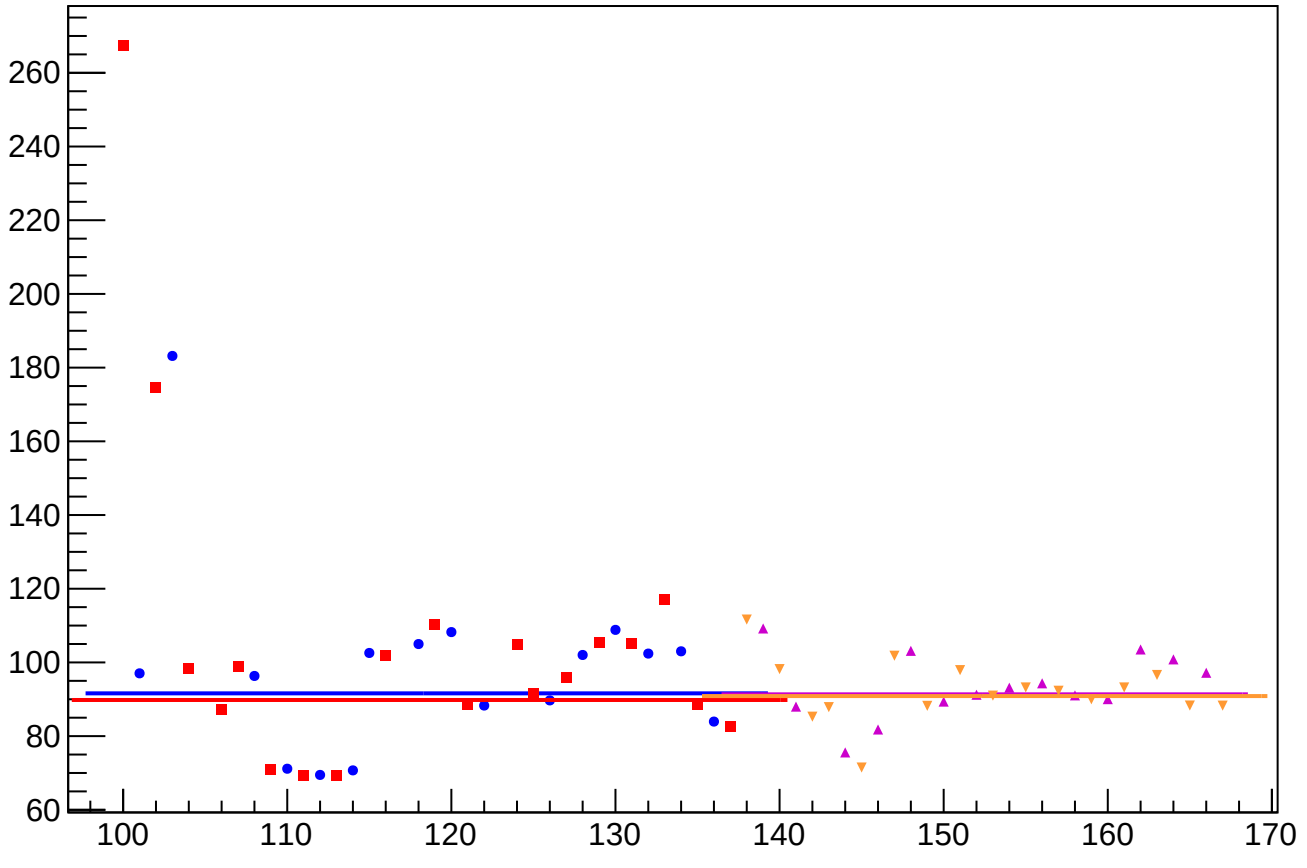
Left: 55.027+/-18.698 χ^2/NDF: 31.5/29

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 16.451+/-21.472 χ^2/NDF:42.3/29

Out: 37.838+/-20.609 χ^2/NDF:36.8/34

All: 27.583+/-14.868 χ^2/NDF: 79.5/64



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.868+/-0.018 χ^2/NDF:224382.1/15

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.339+/-0.019 χ^2/NDF:209700.7/13

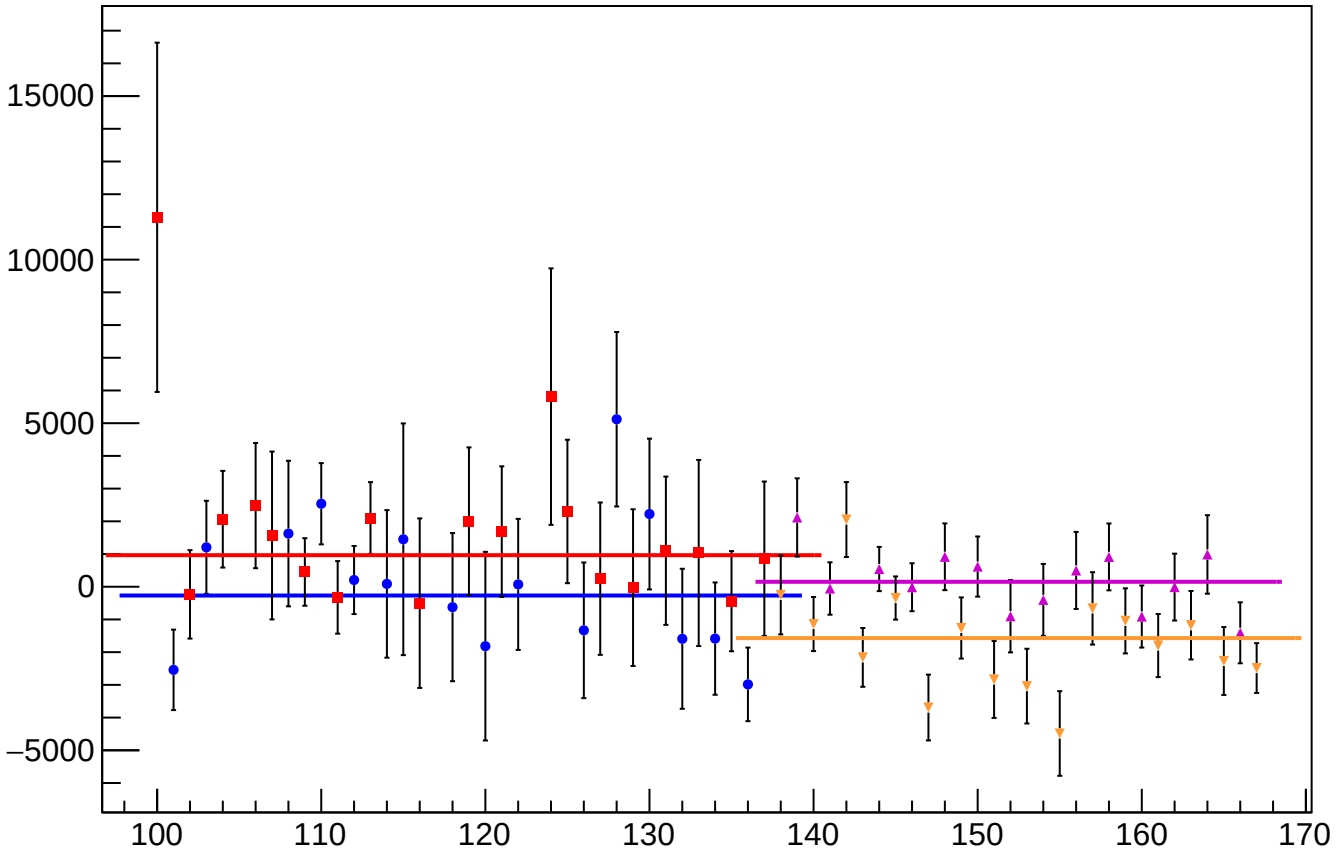
Left: 91.092+/-0.013 χ^2/NDF: 434398.9/29

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.439+/-0.015 χ^2/NDF:790450.1/29

Out: 90.484+/-0.015 χ^2/NDF:972440.3/34

All: 90.942+/-0.011 χ^2/NDF: 1764952.1/64



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1569.535+/-241.582 χ^2/NDF:30.9/15

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 151.206+/-252.437 χ^2/NDF:10.3/13

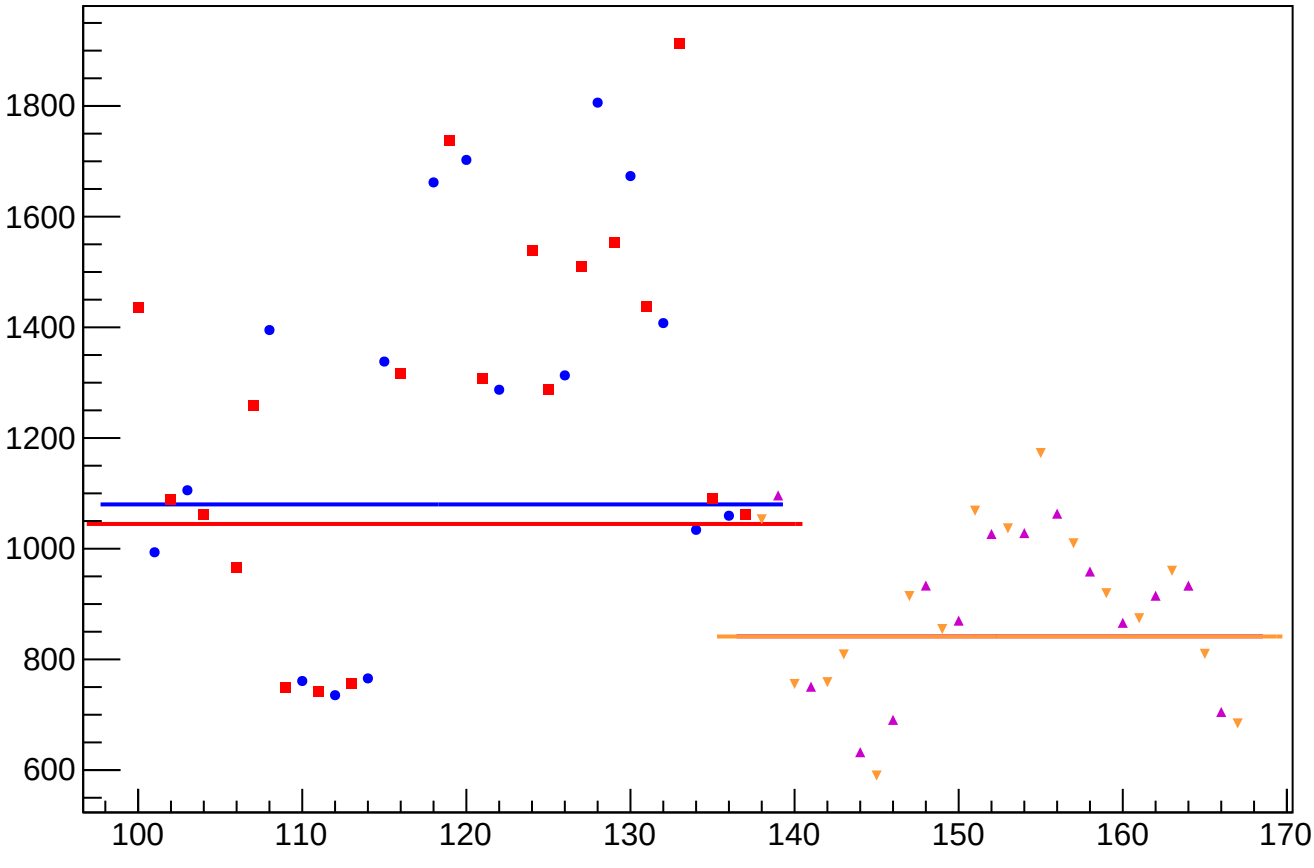
Left: -746.956+/-174.536 χ^2/NDF: 65.4/29

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 39.659+/-216.307 χ^2/NDF:34.5/29

Out: -896.165+/-207.018 χ^2/NDF:72.2/34

All: -448.777+/-149.560 χ^2/NDF: 116.5/64



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 841.393+/-0.171 χ^2/NDF:835421.8/15

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 841.704+/-0.179 χ^2/NDF:688447.3/13

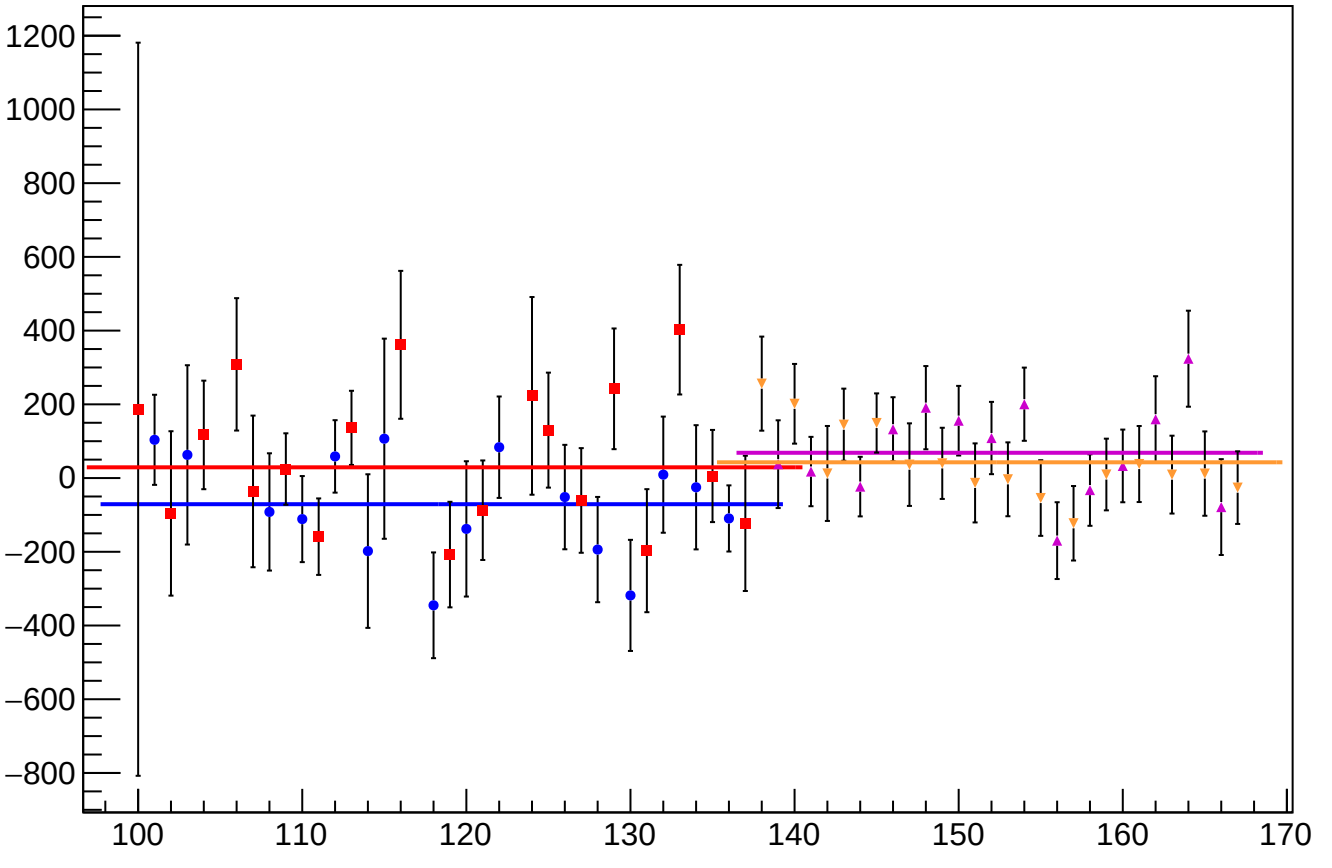
Left: 841.542+/-0.123 χ^2/NDF: 1523870.7/29

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 905.051+/-0.153 χ^2/NDF:2215790.8/29

Out: 895.412+/-0.146 χ^2/NDF:2413632.8/34

All: 900.020+/-0.106 χ^2/NDF: 4631496.3/64



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 42.765+/-25.804 χ^2/NDF:12.7/15

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 68.586+/-27.133 χ^2/NDF:18.3/13

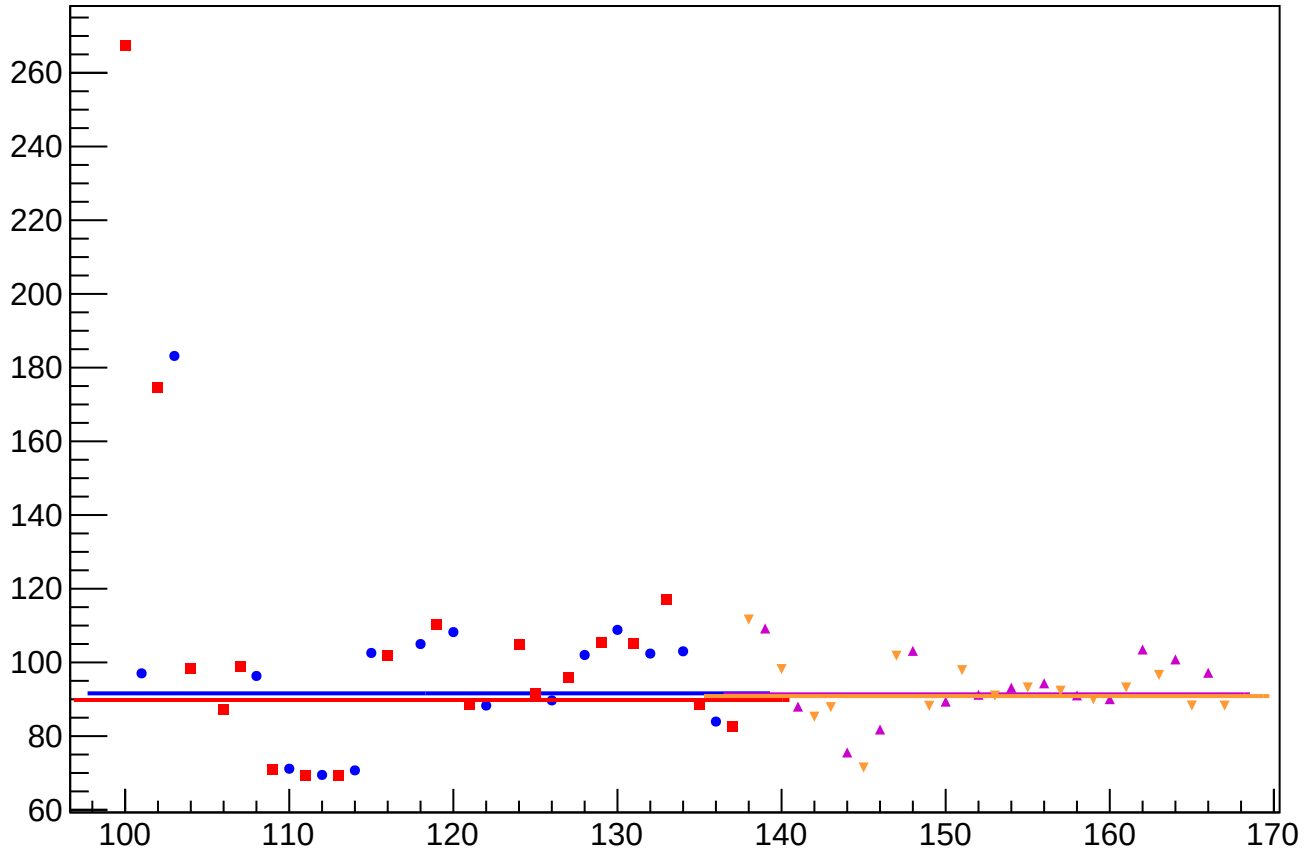
Left: 55.027+/-18.698 χ^2/NDF: 31.5/29

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 16.451+/-21.472 χ^2/NDF:42.3/29

Out: 37.838+/-20.609 χ^2/NDF:36.8/34

All: 27.583+/-14.868 χ^2/NDF: 79.5/64



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.868+/-0.018 χ^2/NDF:224382.1/15

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.339+/-0.019 χ^2/NDF:209700.7/13

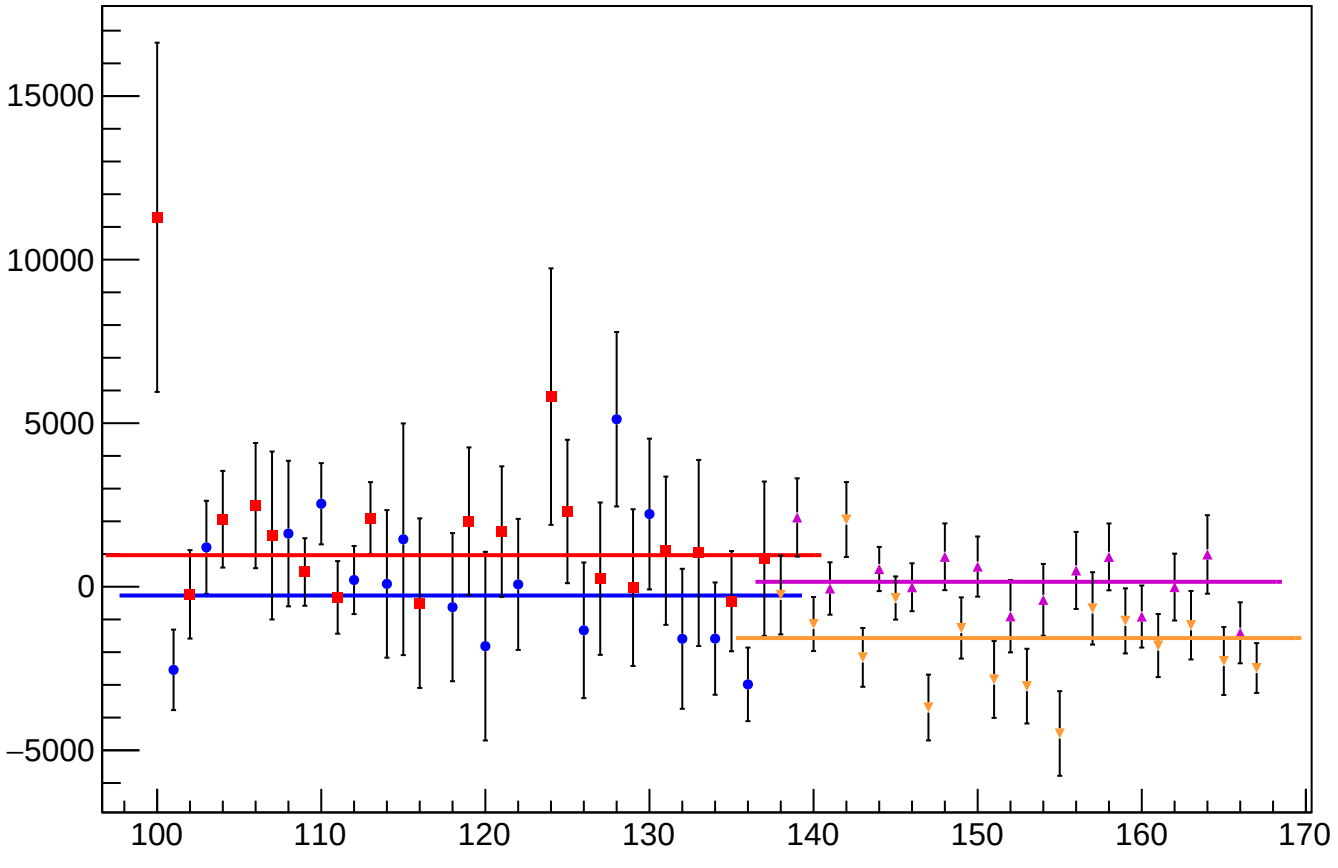
Left: 91.092+/-0.013 χ^2/NDF: 434398.9/29

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.439+/-0.015 χ^2/NDF:790450.1/29

Out: 90.484+/-0.015 χ^2/NDF:972440.3/34

All: 90.942+/-0.011 χ^2/NDF: 1764952.1/64



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1569.535+/-241.582 χ^2/NDF:30.9/15

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 151.206+/-252.437 χ^2/NDF:10.3/13

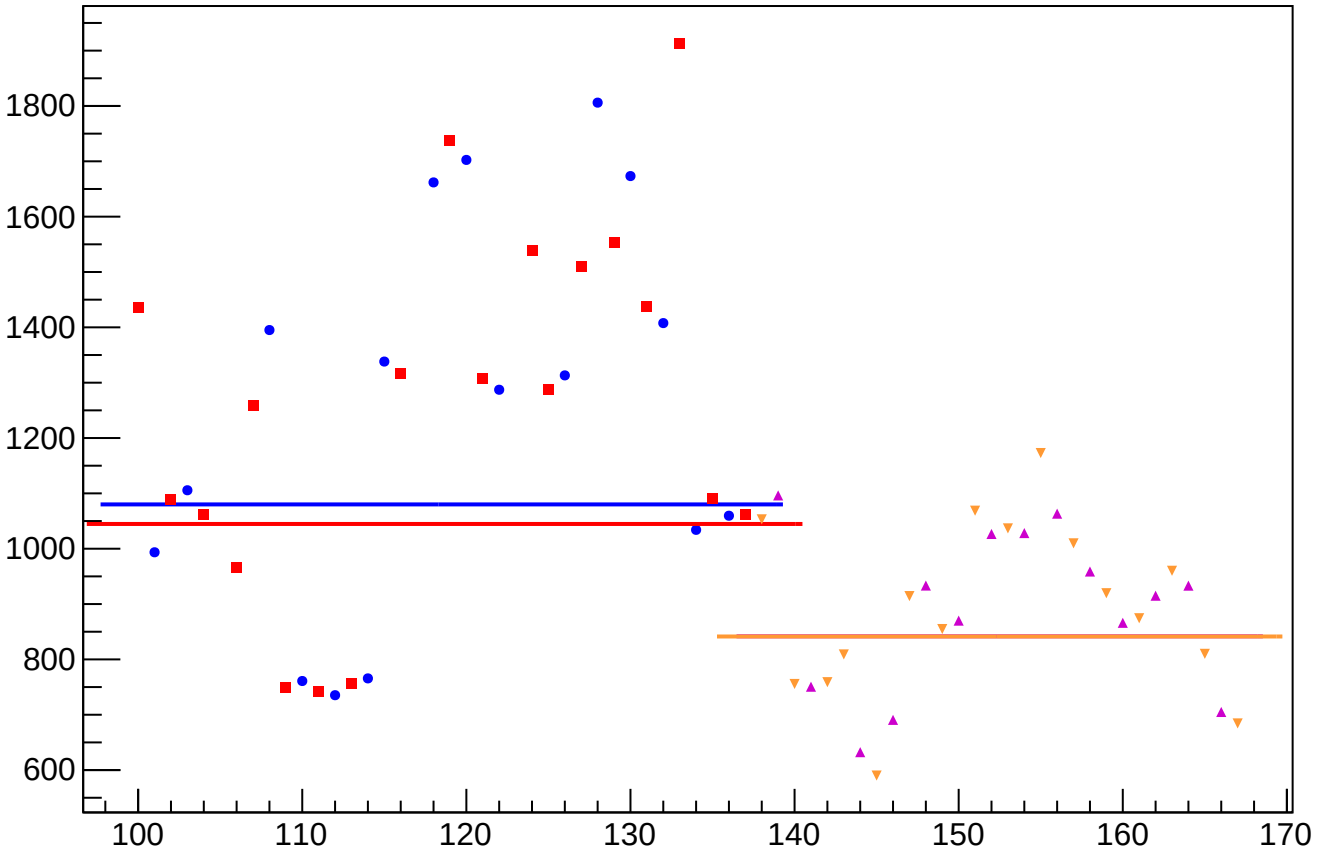
Left: -746.956+/-174.536 χ^2/NDF: 65.4/29

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 39.659+/-216.307 χ^2/NDF:34.5/29

Out: -896.165+/-207.018 χ^2/NDF:72.2/34

All: -448.777+/-149.560 χ^2/NDF: 116.5/64



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 841.393+/-0.171 χ^2/NDF:835421.8/15

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 841.704+/-0.179 χ^2/NDF:688447.3/13

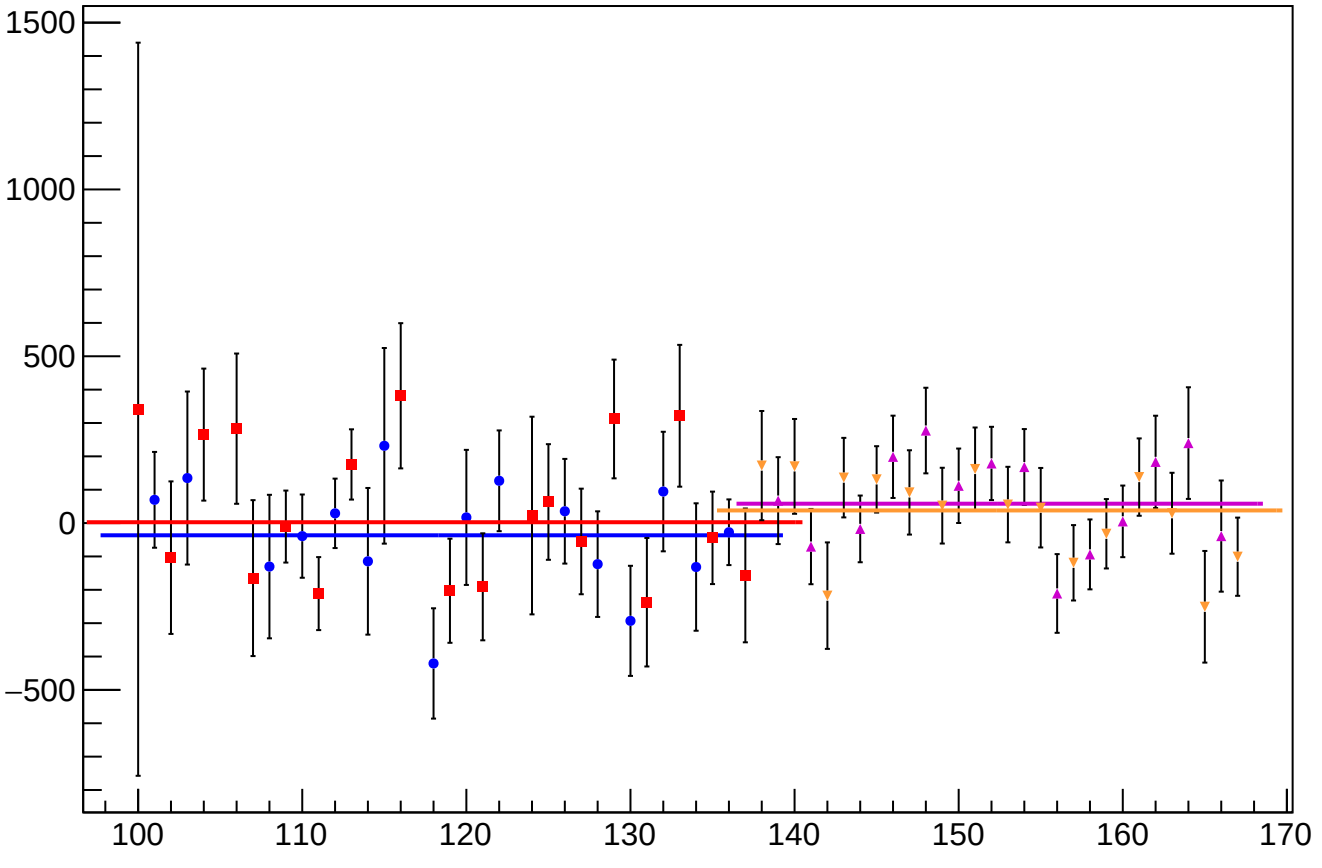
Left: 841.542+/-0.123 χ^2/NDF: 1523870.7/29

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 905.051+/-0.153 χ^2/NDF:2215790.8/29

Out: 895.412+/-0.146 χ^2/NDF:2413632.8/34

All: 900.020+/-0.106 χ^2/NDF: 4631496.3/64



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 37.912+/-30.536 χ^2/NDF:14.4/15

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 58.099+/-31.971 χ^2/NDF:18.4/13

Left: 47.542+/-22.082 χ^2/NDF: 32.9/29

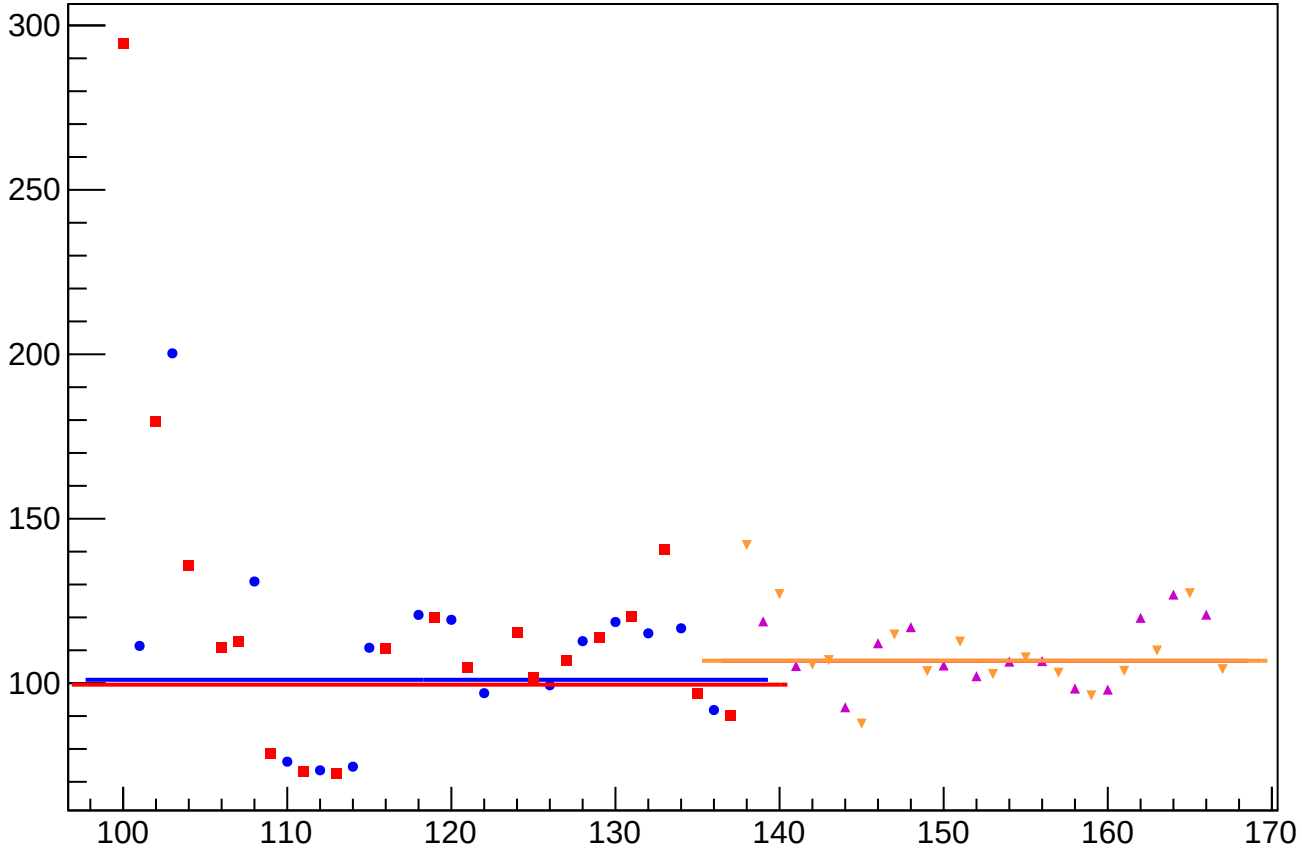
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 20.030+/-24.723 χ^2/NDF:34.8/29

Out: 24.117+/-23.843 χ^2/NDF:39.7/34

All: 22.148+/-17.162 χ^2/NDF: 74.4/64

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 106.818+/-0.022 χ^2/NDF:279959.7/15

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.798+/-0.023 χ^2/NDF:164986.3/13

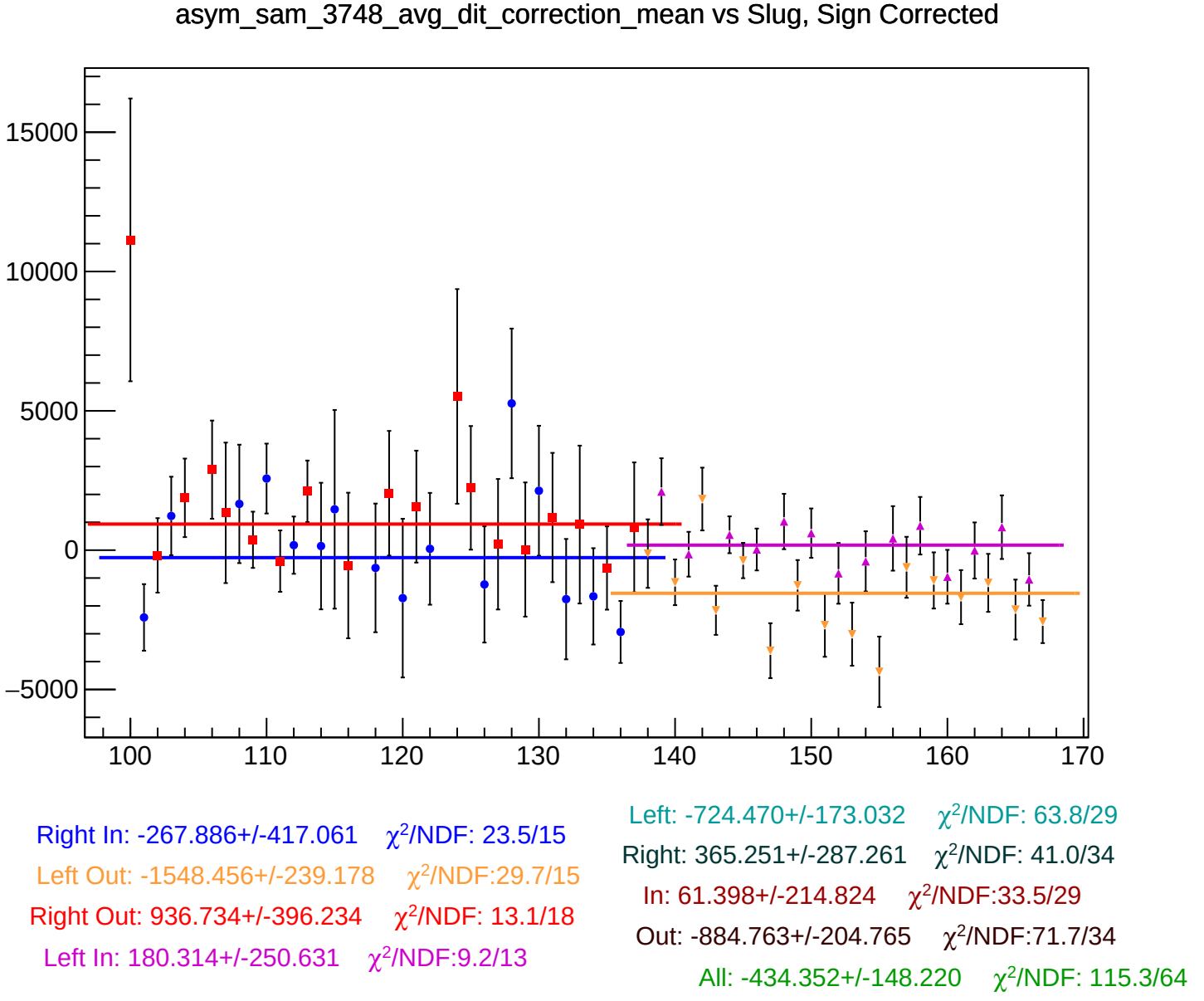
Left: 106.808+/-0.016 χ^2/NDF: 444946.5/29

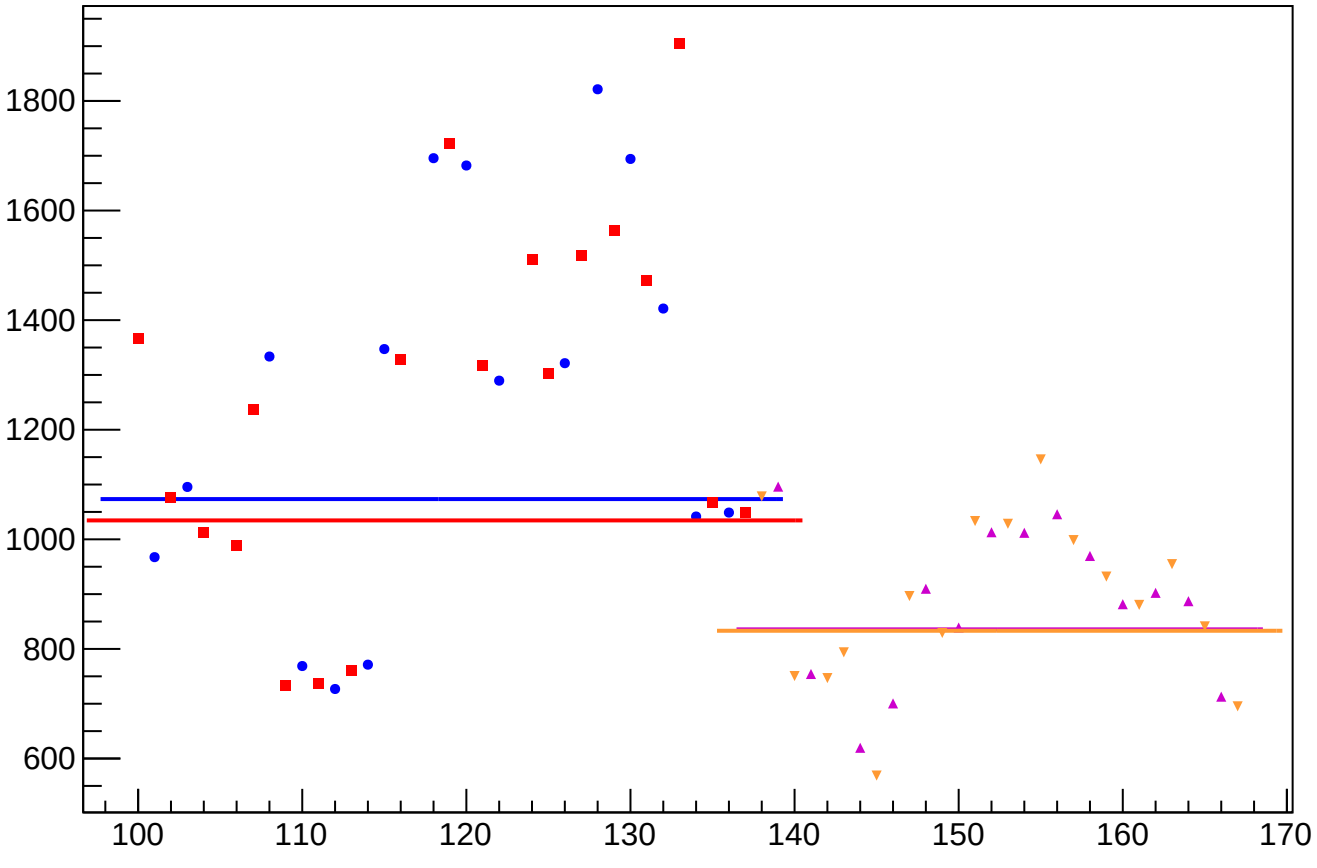
Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 104.480+/-0.017 χ^2/NDF:907244.0/29

Out: 103.980+/-0.017 χ^2/NDF:1204715.7/34

All: 104.221+/-0.012 χ^2/NDF: 2112382.6/64


asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: -267.886+/-417.061 χ²/NDF: 23.5/15
Left Out: -1548.456+/-239.178 χ²/NDF:29.7/15
Right Out: 936.734+/-396.234 χ²/NDF: 13.1/18
Left In: 180.314+/-250.631 χ²/NDF:9.2/13
Left: -724.470+/-173.032 χ²/NDF: 63.8/29
Right: 365.251+/-287.261 χ²/NDF: 41.0/34
In: 61.398+/-214.824 χ²/NDF:33.5/29
Out: -884.763+/-204.765 χ²/NDF:71.7/34
All: -434.352+/-148.220 χ²/NDF: 115.3/64



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 833.152+/-0.169 χ^2/NDF:876242.5/15

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 835.723+/-0.177 χ^2/NDF:661662.4/13

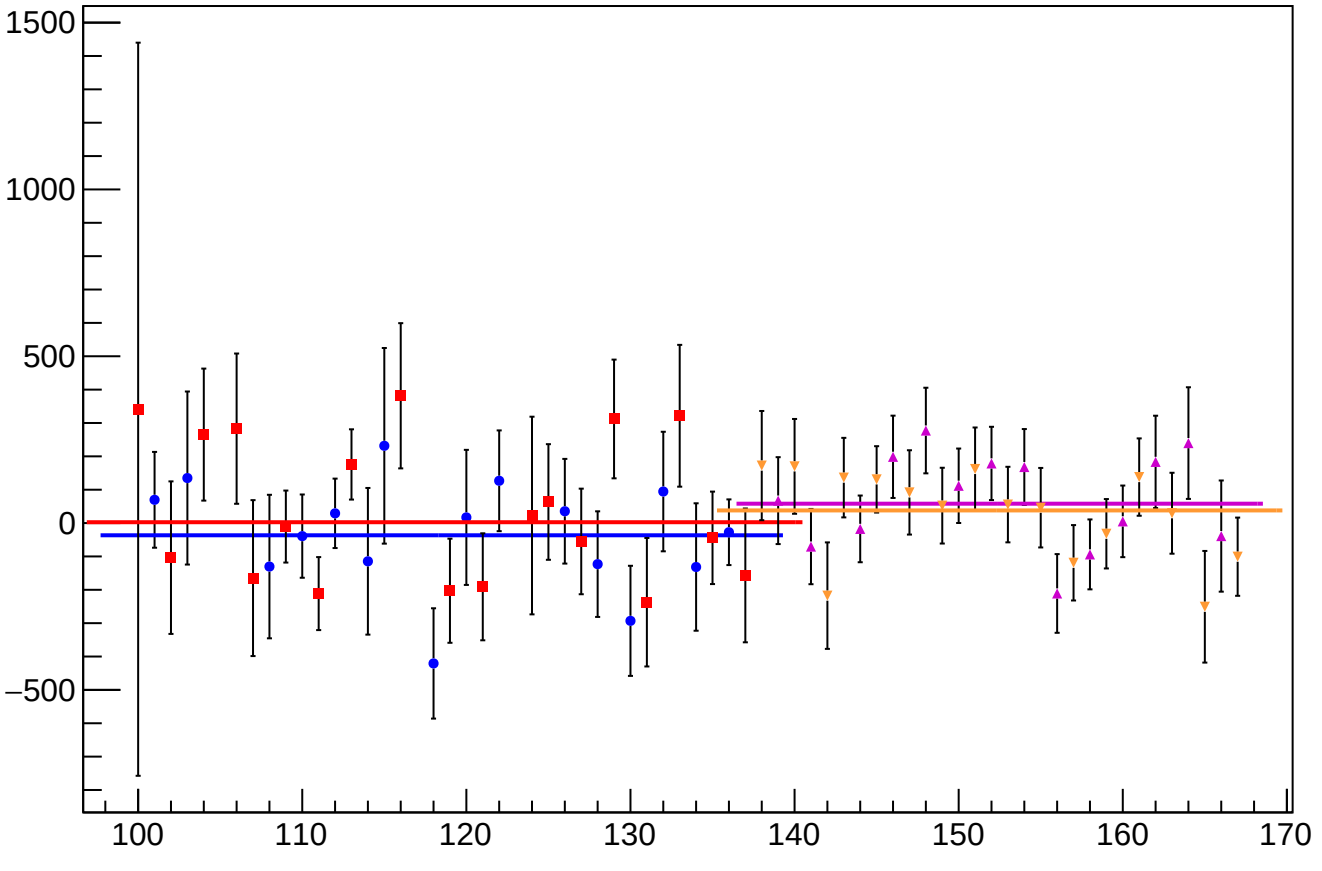
Left: 834.377+/-0.122 χ^2/NDF: 1538015.1/29

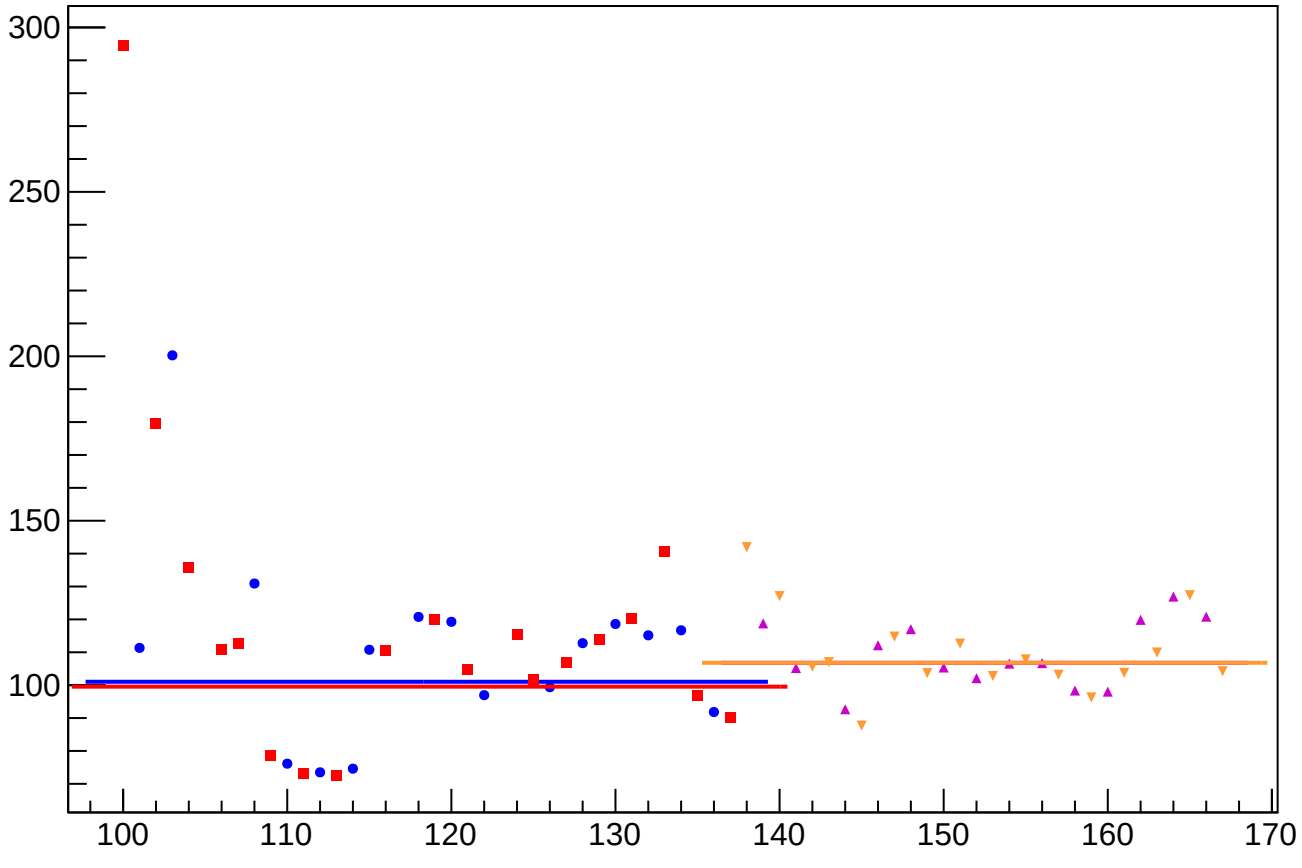
Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 898.798+/-0.152 χ^2/NDF:2216146.7/29

Out: 886.933+/-0.145 χ^2/NDF:2484237.7/34

All: 892.581+/-0.105 χ^2/NDF: 4703580.6/64


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
Right In: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 37.915+/-30.536 χ²/NDF:14.4/15
Right Out: 2.566+/-38.165 χ²/NDF: 24.7/18
Left In: 58.099+/-31.971 χ²/NDF:18.4/13
Left: 47.543+/-22.082 χ²/NDF: 32.9/29
Right: -16.593+/-27.274 χ²/NDF: 38.1/34
In: 20.030+/-24.723 χ²/NDF:34.8/29
Out: 24.118+/-23.843 χ²/NDF:39.6/34
All: 22.148+/-17.162 χ²/NDF: 74.4/64



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 106.818+/-0.022 χ^2/NDF:279954.6/15

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.798+/-0.023 χ^2/NDF:164985.0/13

Left: 106.809+/-0.016 χ^2/NDF: 444940.1/29

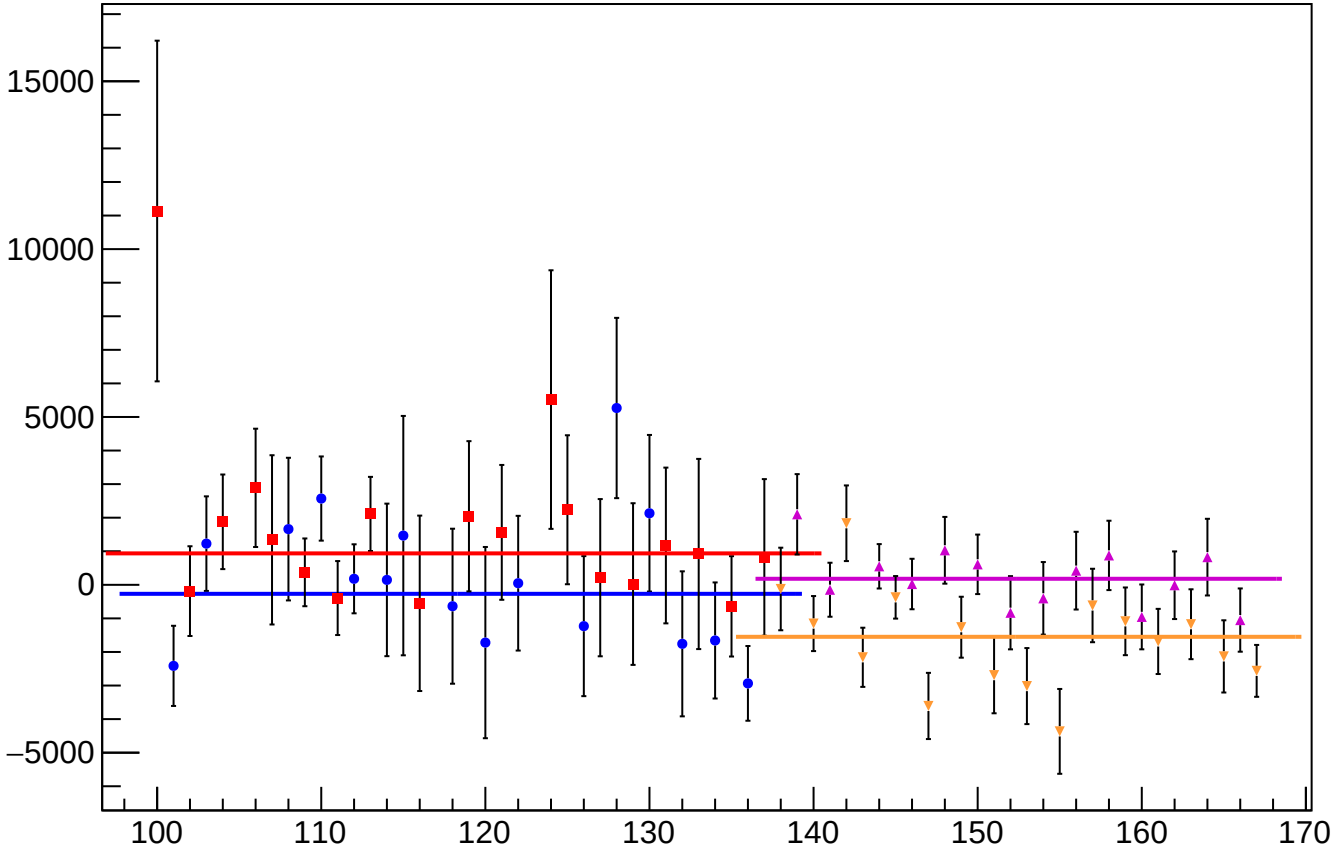
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 104.480+/-0.017 χ^2/NDF:907243.4/29

Out: 103.980+/-0.017 χ^2/NDF:1204715.7/34

All: 104.221+/-0.012 χ^2/NDF: 2112382.0/64

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1548.454+/-239.178 χ^2/NDF:29.7/15

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 180.313+/-250.630 χ^2/NDF:9.2/13

Left: -724.469+/-173.031 χ^2/NDF: 63.8/29

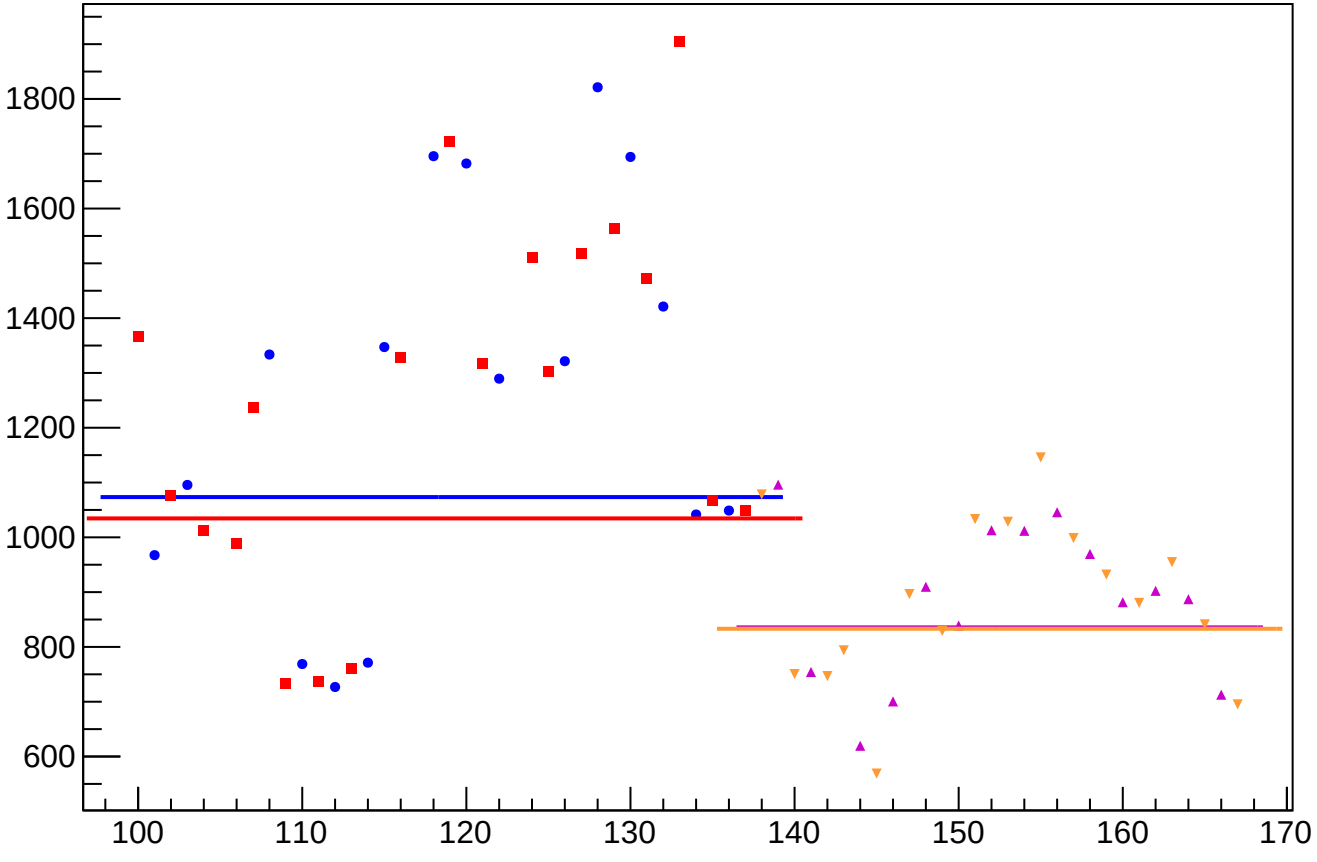
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 61.398+/-214.824 χ^2/NDF:33.5/29

Out: -884.761+/-204.765 χ^2/NDF:71.7/34

All: -434.352+/-148.219 χ^2/NDF: 115.3/64

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 833.151+/-0.169 χ^2/NDF:876246.9/15

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 835.721+/-0.177 χ^2/NDF:661661.7/13

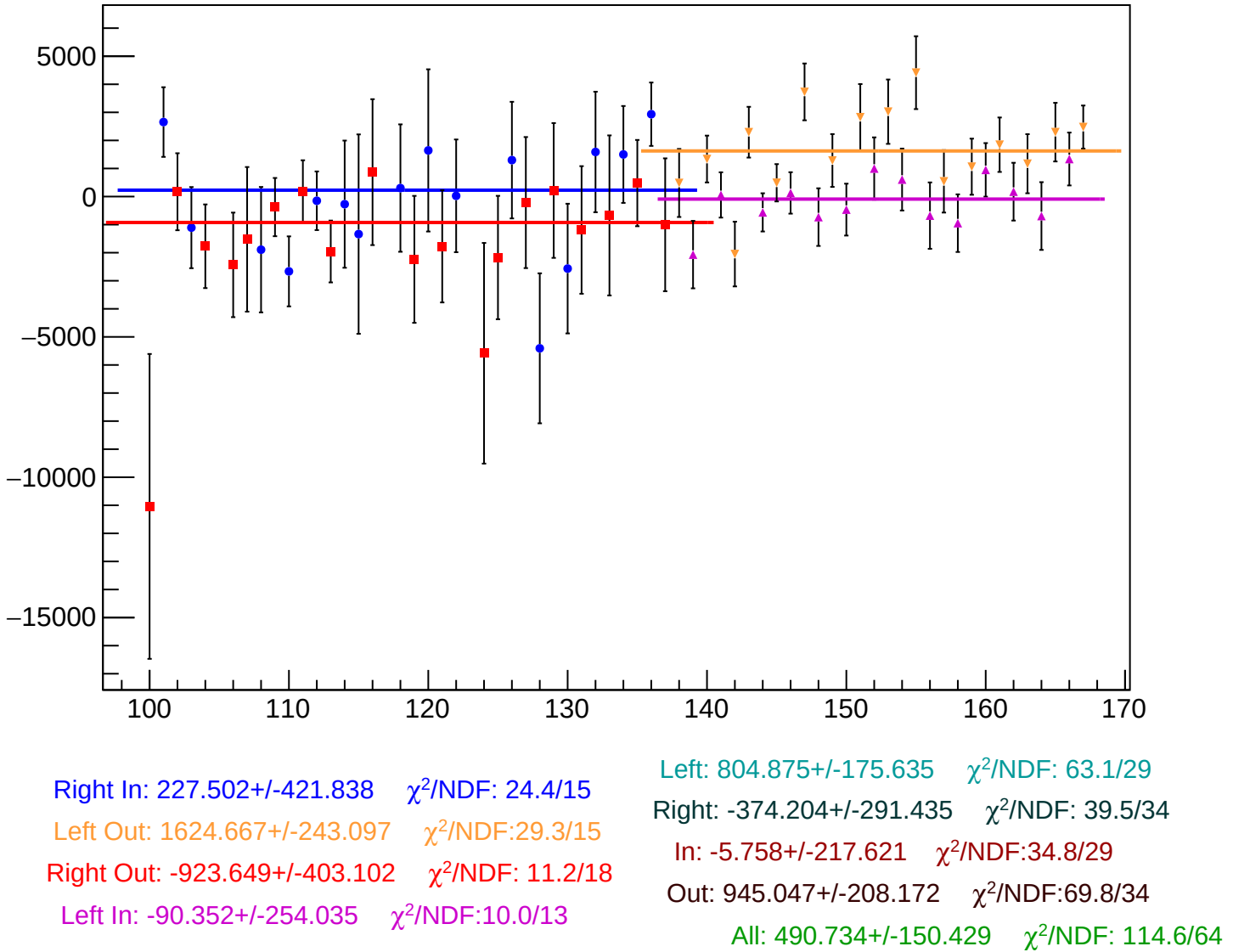
Left: 834.376+/-0.122 χ^2/NDF: 1538018.8/29

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

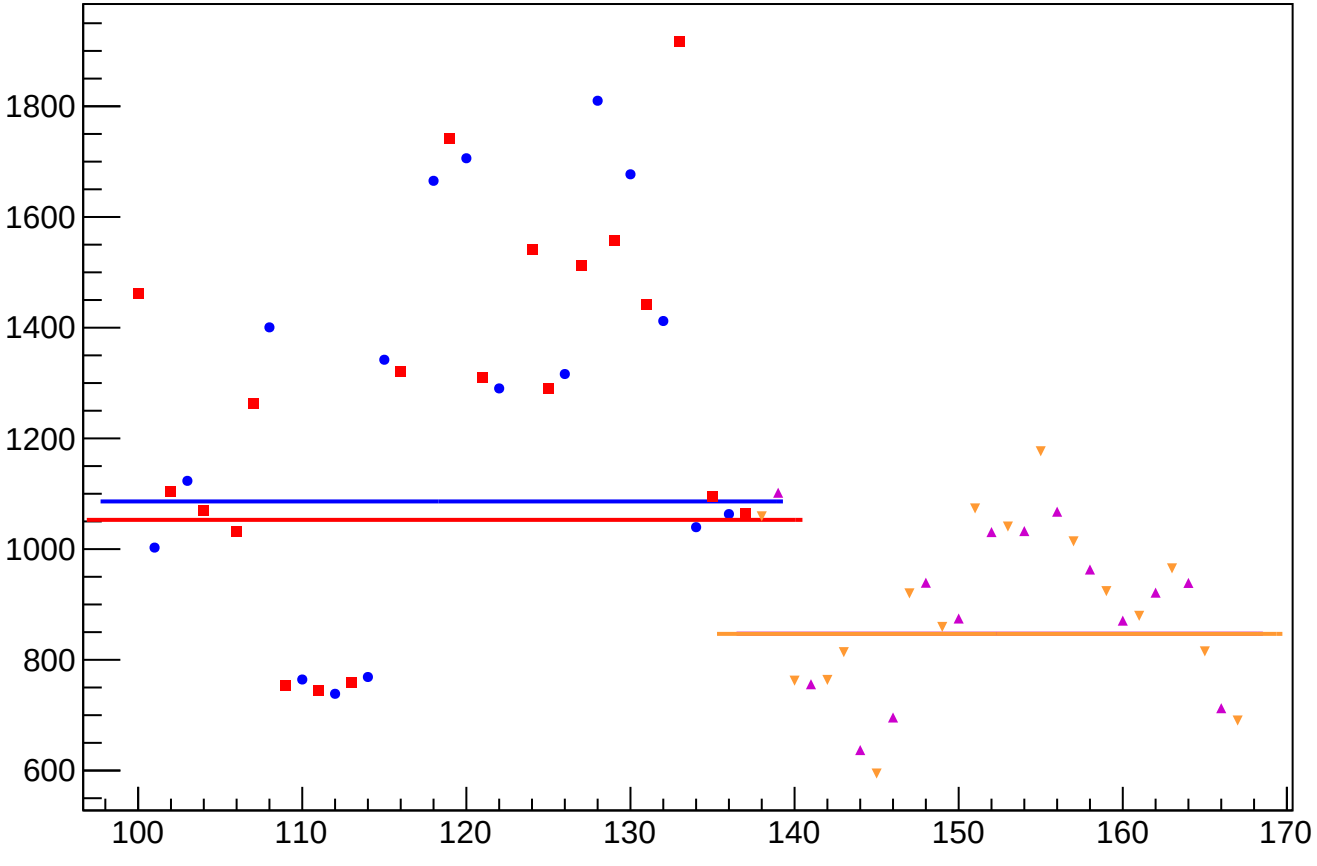
In: 898.796+/-0.152 χ^2/NDF:2216149.7/29

Out: 886.932+/-0.145 χ^2/NDF:2484244.7/34

All: 892.580+/-0.105 χ^2/NDF: 4703590.7/64


asym_sam_3748_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 227.502+/-421.838 χ²/NDF: 24.4/15
Left Out: 1624.667+/-243.097 χ²/NDF:29.3/15
Right Out: -923.649+/-403.102 χ²/NDF: 11.2/18
Left In: -90.352+/-254.035 χ²/NDF:10.0/13
Left: 804.875+/-175.635 χ²/NDF: 63.1/29
Right: -374.204+/-291.435 χ²/NDF: 39.5/34
In: -5.758+/-217.621 χ²/NDF:34.8/29
Out: 945.047+/-208.172 χ²/NDF:69.8/34
All: 490.734+/-150.429 χ²/NDF: 114.6/64

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 846.885+/-0.172 χ^2/NDF:823515.8/15

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 847.238+/-0.180 χ^2/NDF:678375.2/13

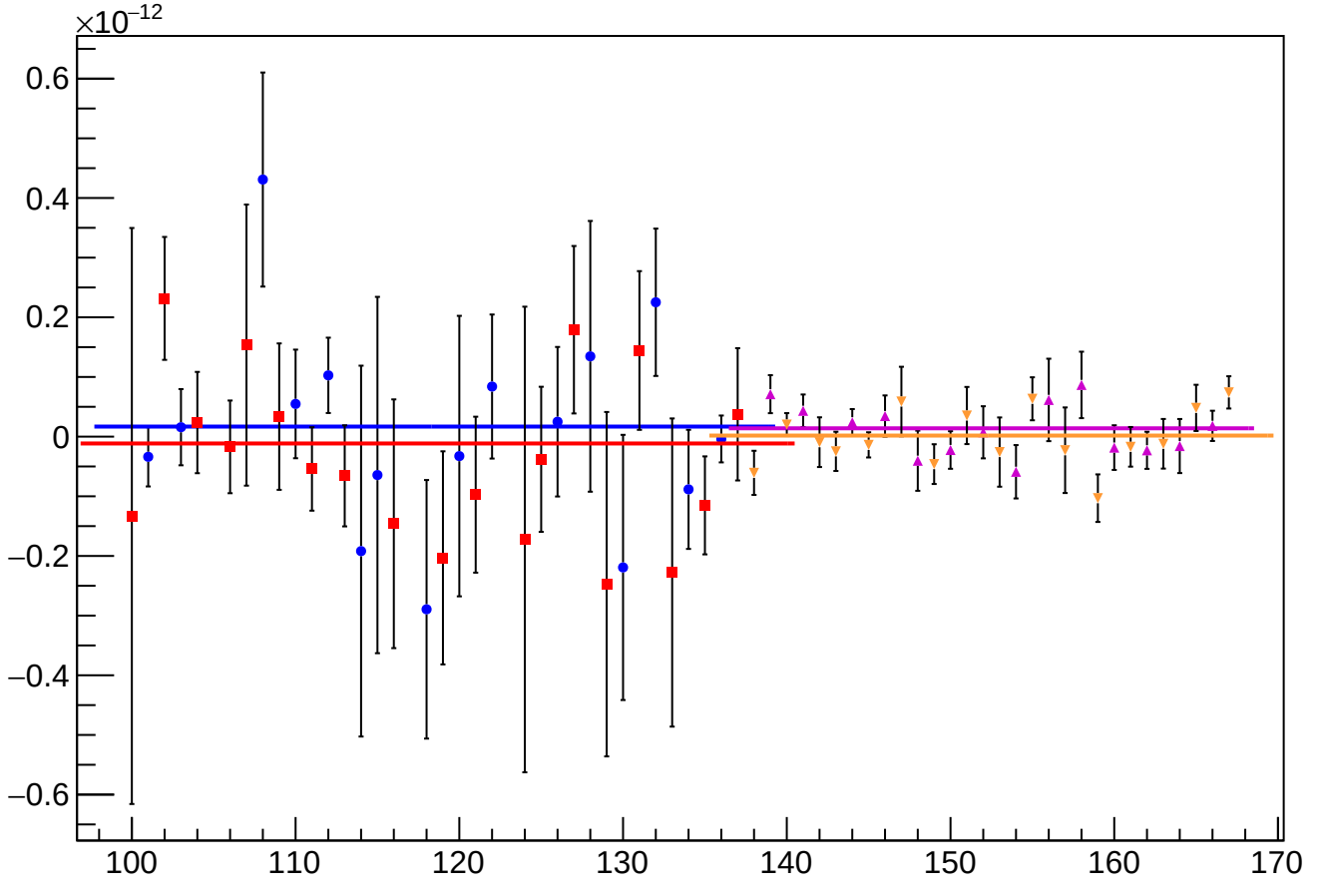
Left: 847.054+/-0.124 χ^2/NDF: 1501893.0/29

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 910.819+/-0.154 χ^2/NDF:2196594.8/29

Out: 901.810+/-0.147 χ^2/NDF:2400753.1/34

All: 906.114+/-0.106 χ^2/NDF: 4599137.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/13

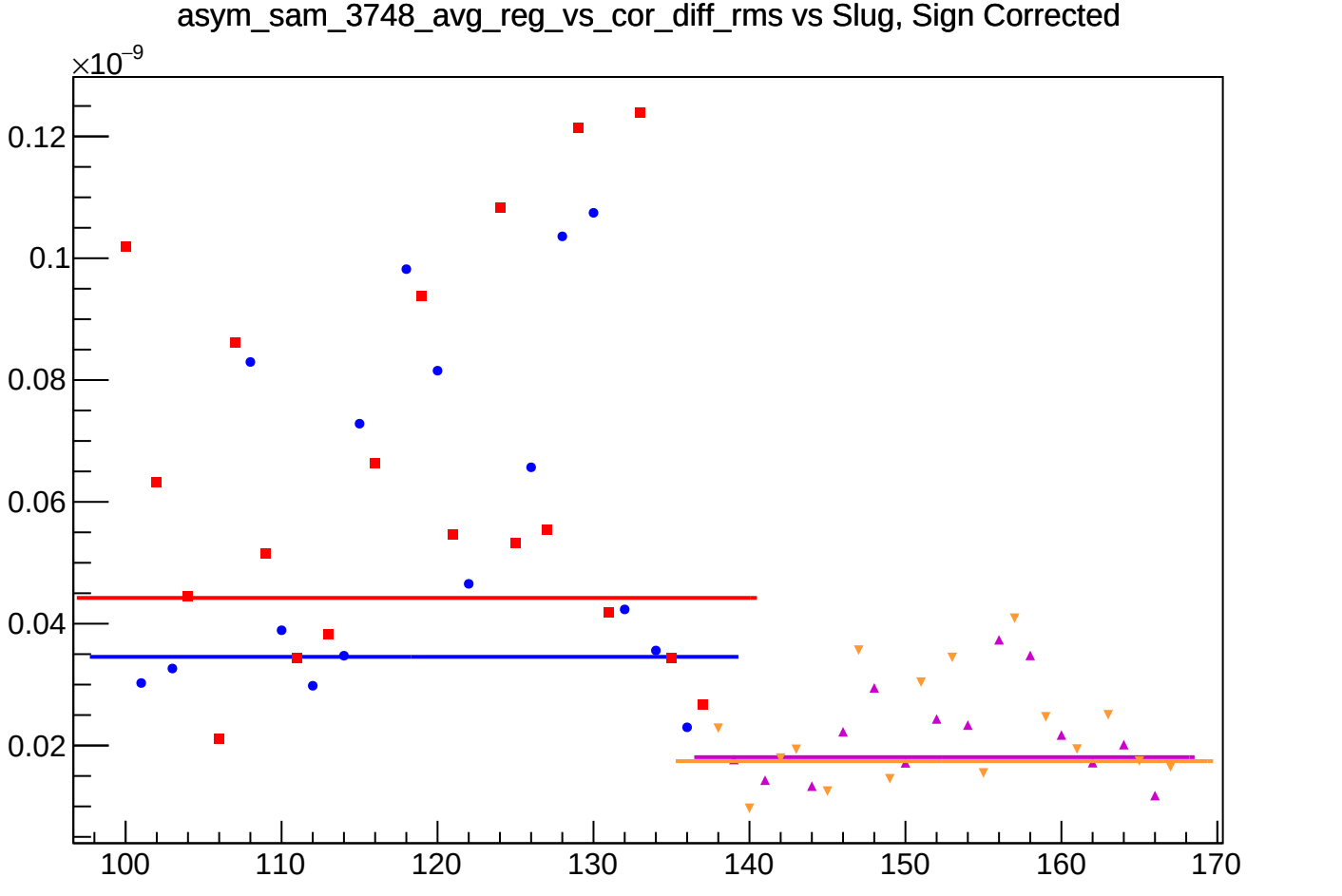
Left: 0.000+/-0.000 χ^2/NDF: 43.6/29

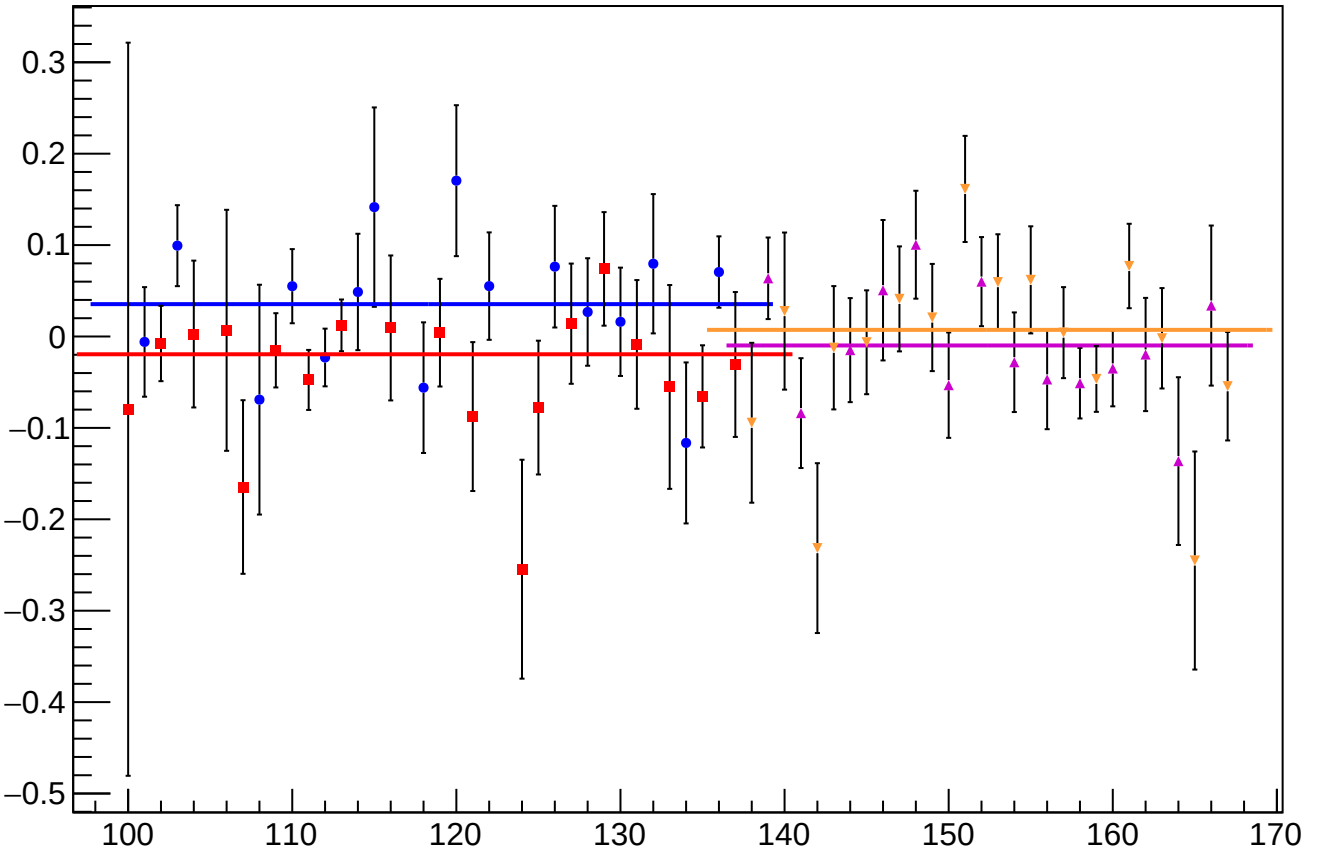
Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:31.8/29

Out: 0.000+/-0.000 χ^2/NDF:43.8/34

All: 0.000+/-0.000 χ^2/NDF: 77.0/64


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1376988.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:817129.2/13
Left: 0.000+/-0.000 χ²/NDF: 2199706.3/29
Right: 0.000+/-0.000 χ²/NDF: 2418011.3/34
In: 0.000+/-0.000 χ²/NDF:2974707.2/29
Out: 0.000+/-0.000 χ²/NDF:4260105.0/34
All: 0.000+/-0.000 χ²/NDF: 7242979.0/64



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.007+/-0.014 χ^2/NDF:27.6/15

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.010+/-0.015 χ^2/NDF:15.2/13

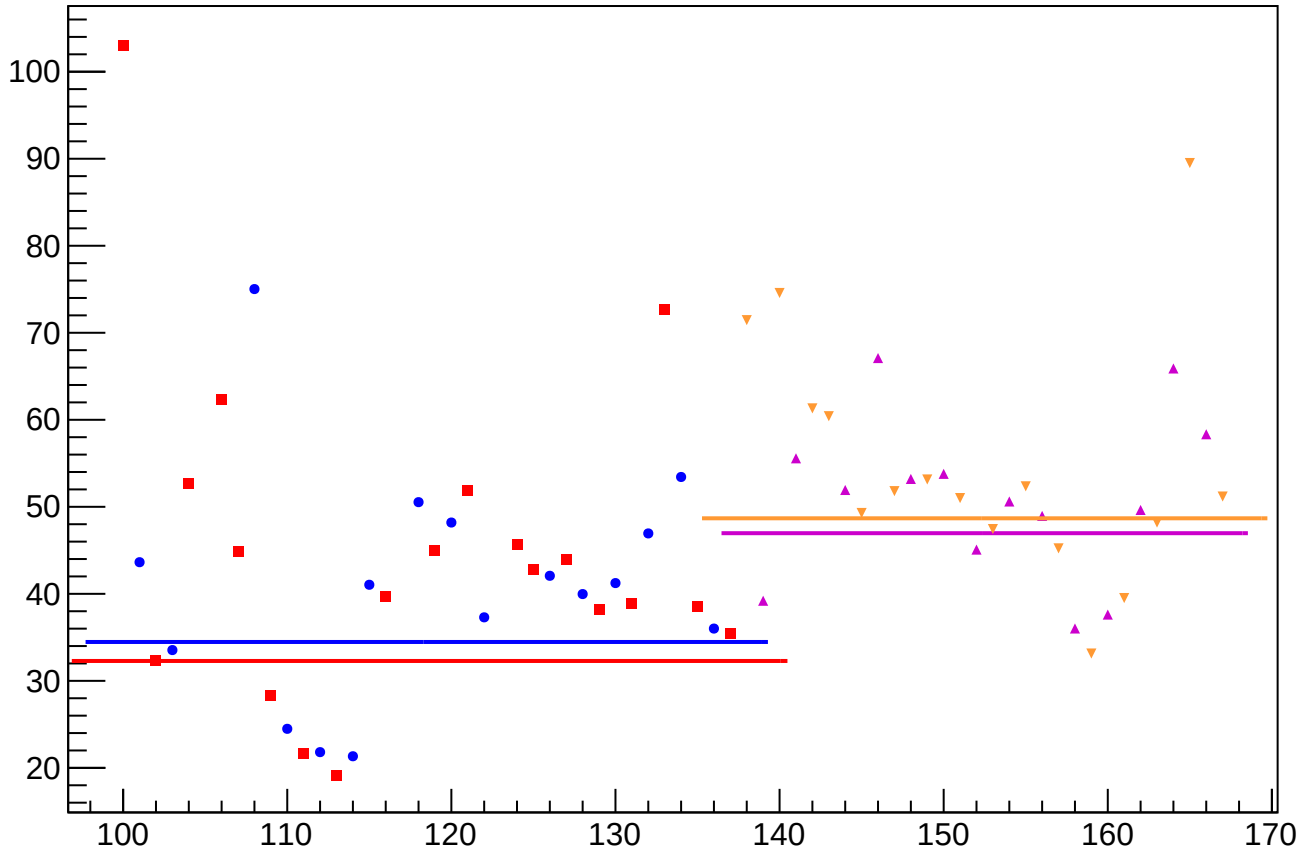
Left: -0.001+/-0.010 χ^2/NDF: 43.5/29

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.014+/-0.010 χ^2/NDF:37.2/29

Out: -0.007+/-0.010 χ^2/NDF:42.8/34

All: 0.003+/-0.007 χ^2/NDF: 82.3/64



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.679+/-0.010 χ^2/NDF:1143734.6/15

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.968+/-0.010 χ^2/NDF:704576.0/13

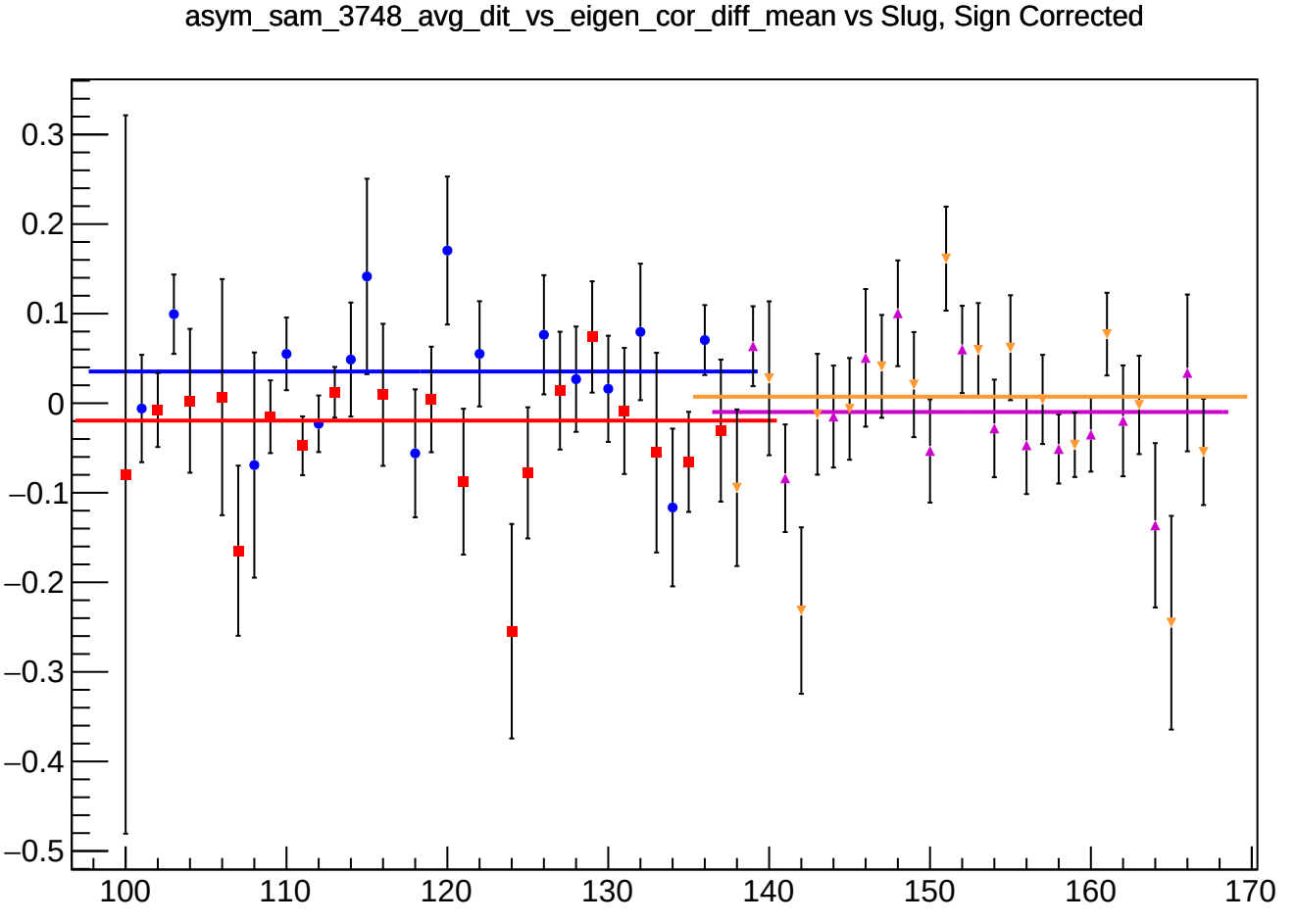
Left: 47.831+/-0.007 χ^2/NDF: 1862203.8/29

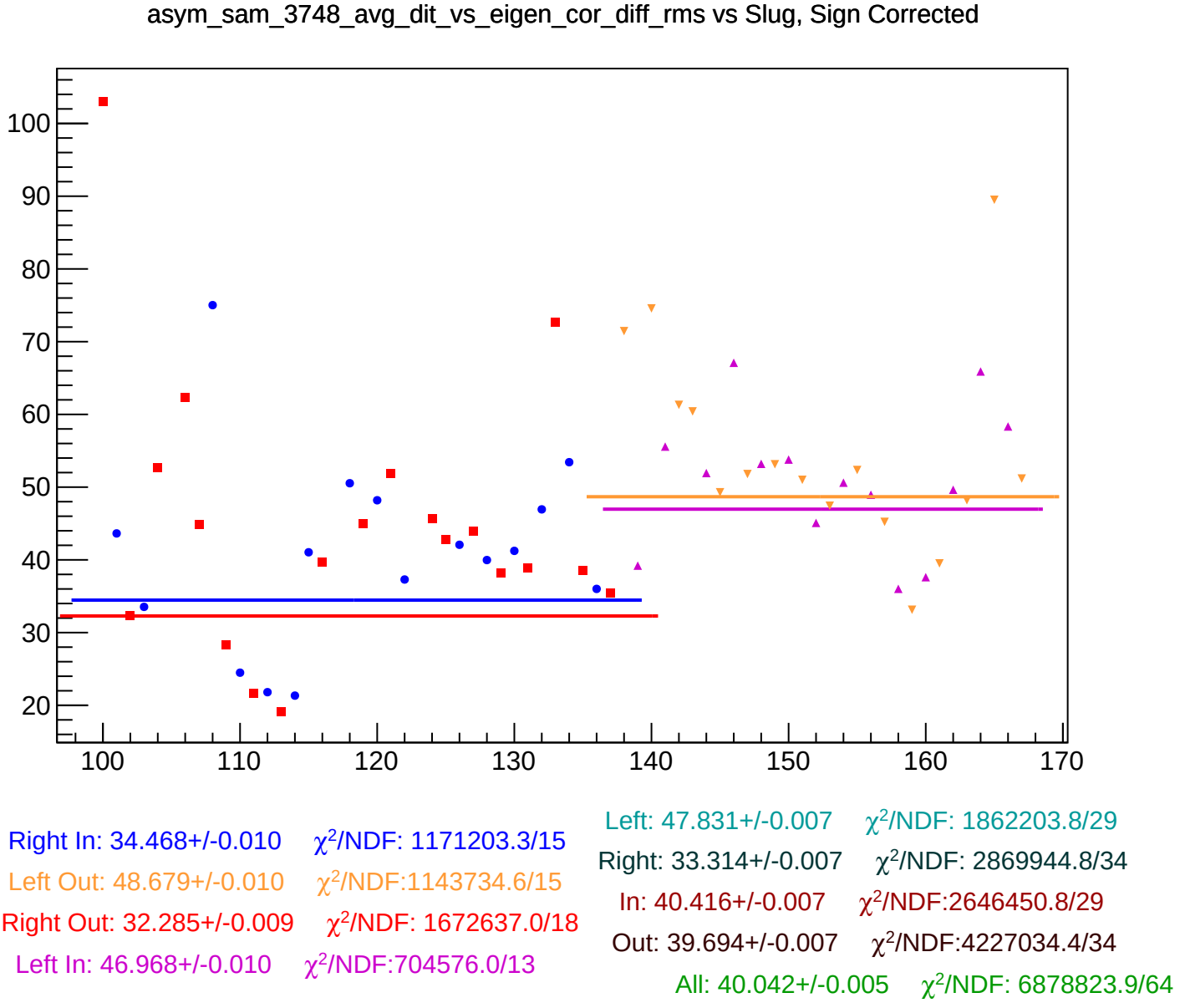
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

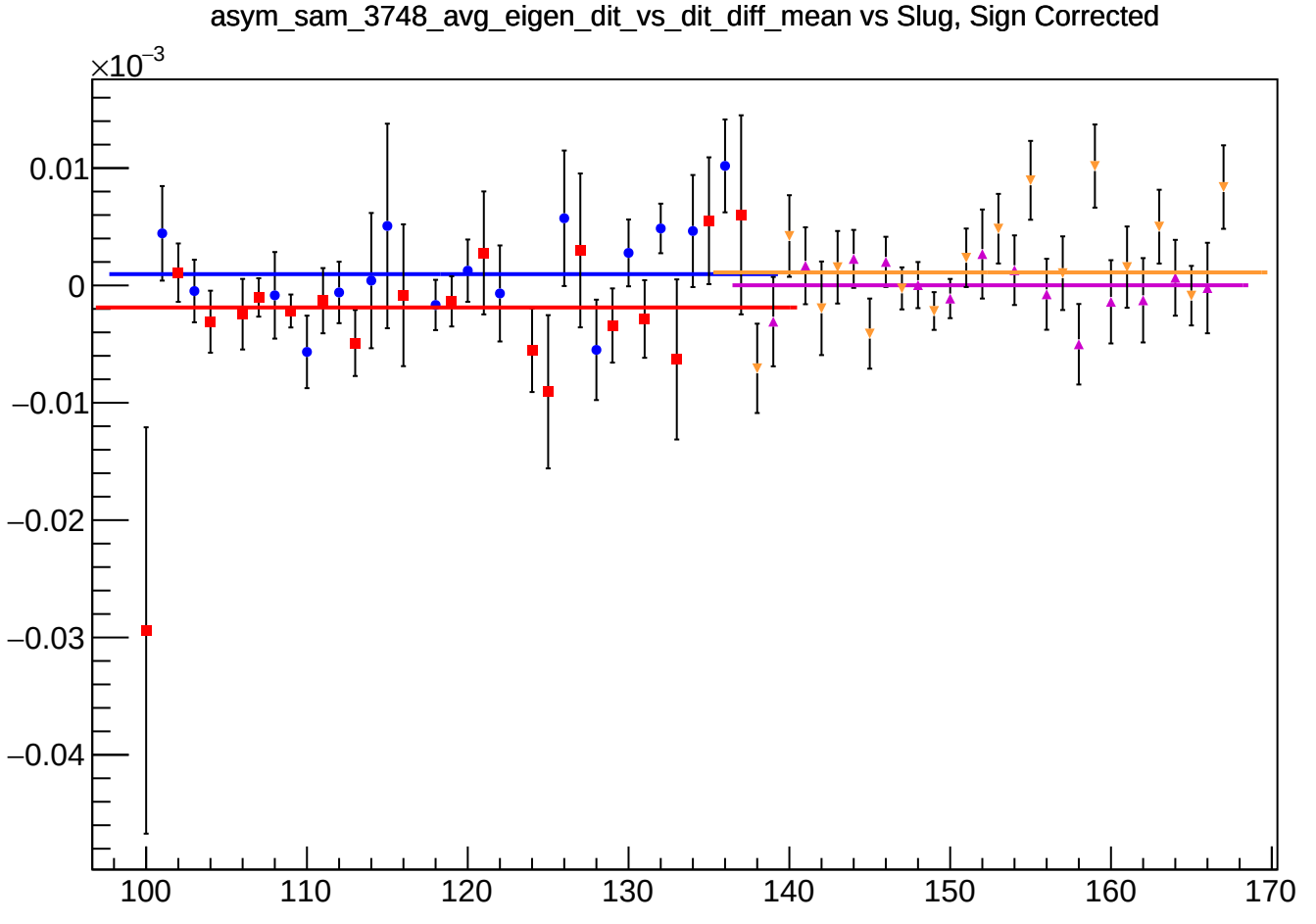
In: 40.416+/-0.007 χ^2/NDF:2646450.8/29

Out: 39.694+/-0.007 χ^2/NDF:4227034.4/34

All: 40.042+/-0.005 χ^2/NDF: 6878823.9/64


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.007+/-0.014 χ²/NDF:27.6/15
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.010+/-0.015 χ²/NDF:15.2/13
Left: -0.001+/-0.010 χ²/NDF: 43.5/29
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.014+/-0.010 χ²/NDF:37.2/29
Out: -0.007+/-0.010 χ²/NDF:42.8/34
All: 0.003+/-0.007 χ²/NDF: 82.3/64


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 48.679+/-0.010 χ²/NDF:1143734.6/15
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 46.968+/-0.010 χ²/NDF:704576.0/13
Left: 47.831+/-0.007 χ²/NDF: 1862203.8/29
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 40.416+/-0.007 χ²/NDF:2646450.8/29
Out: 39.694+/-0.007 χ²/NDF:4227034.4/34
All: 40.042+/-0.005 χ²/NDF: 6878823.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/13

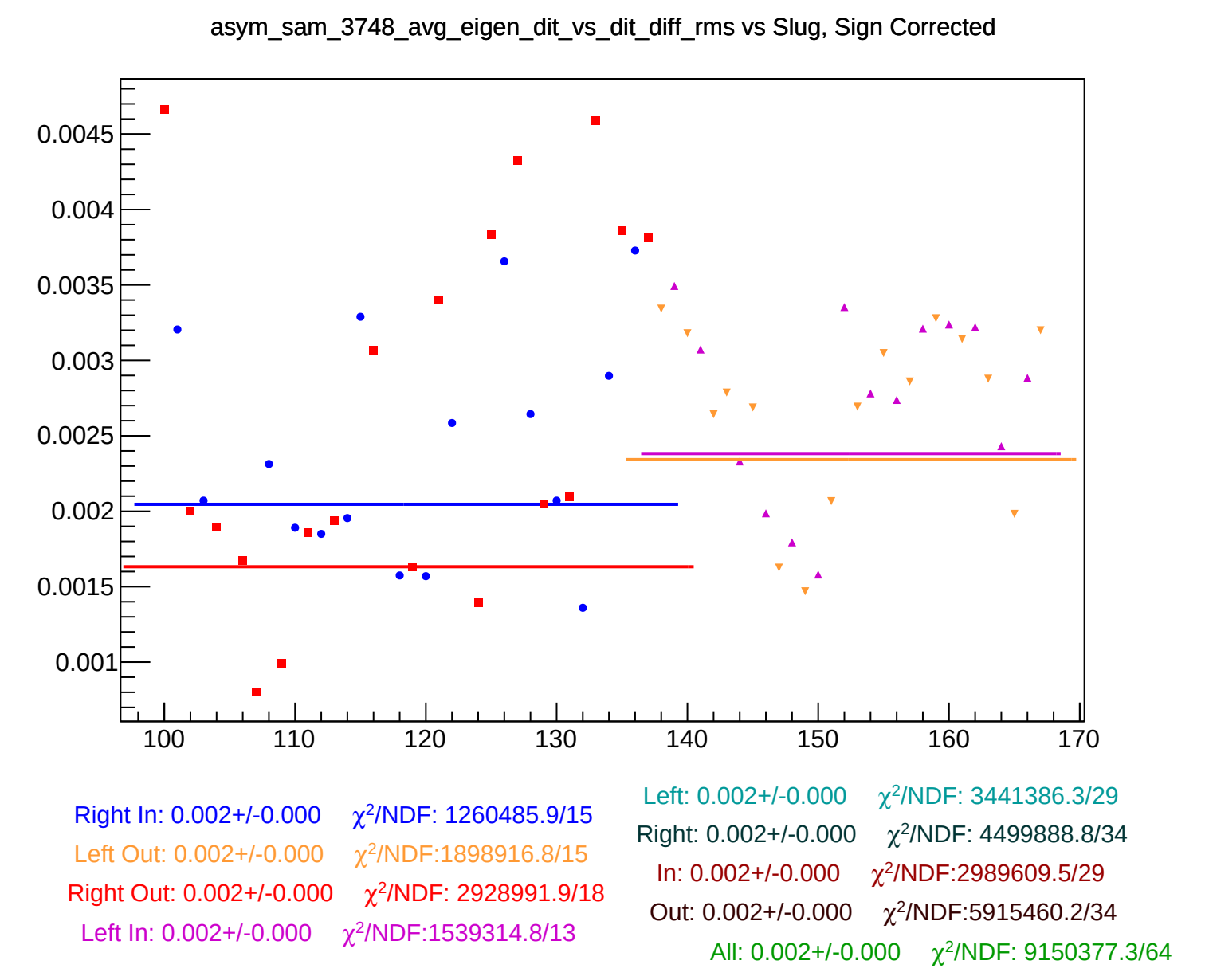
Left: 0.000+/-0.000 χ^2/NDF: 41.5/29

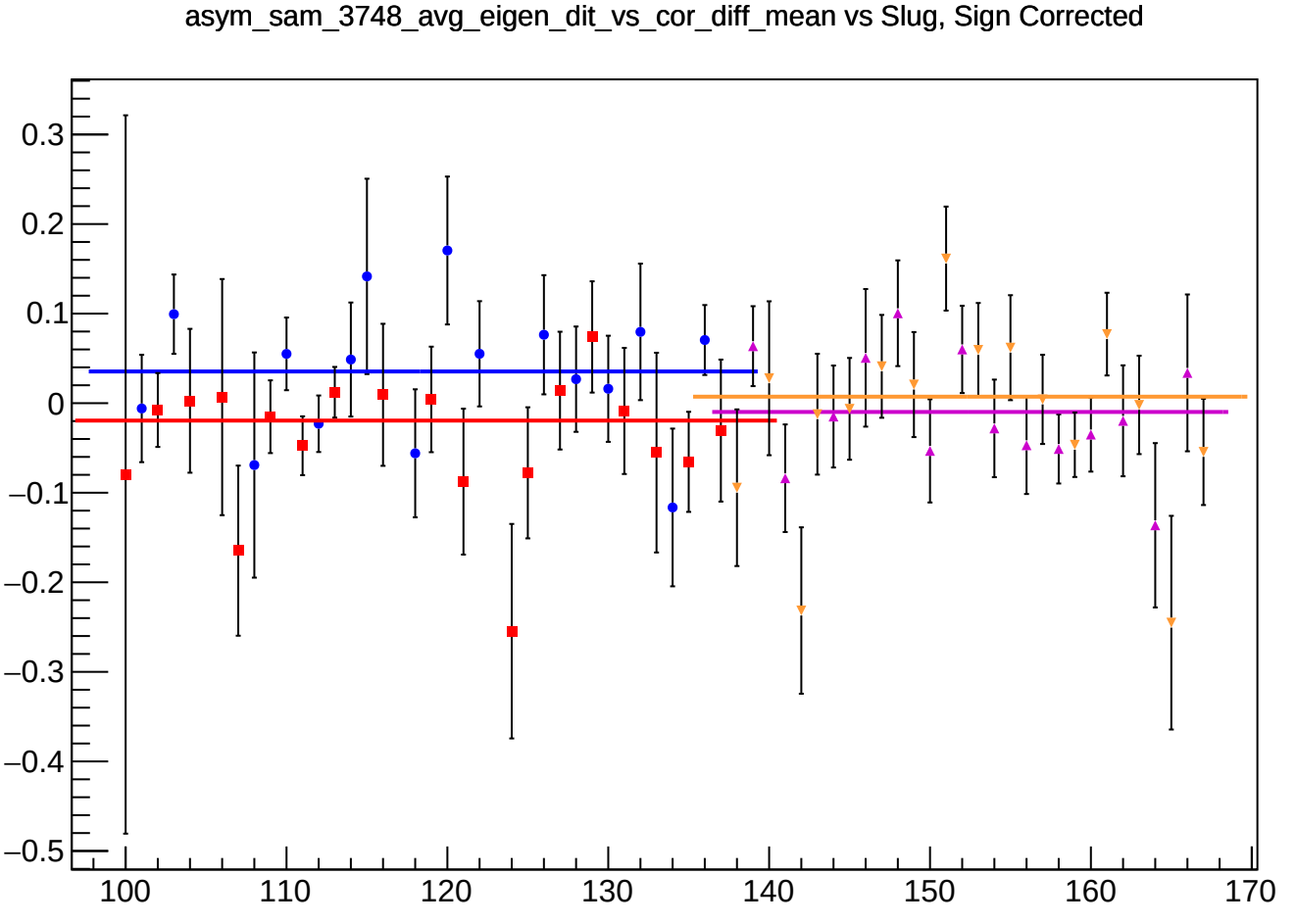
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

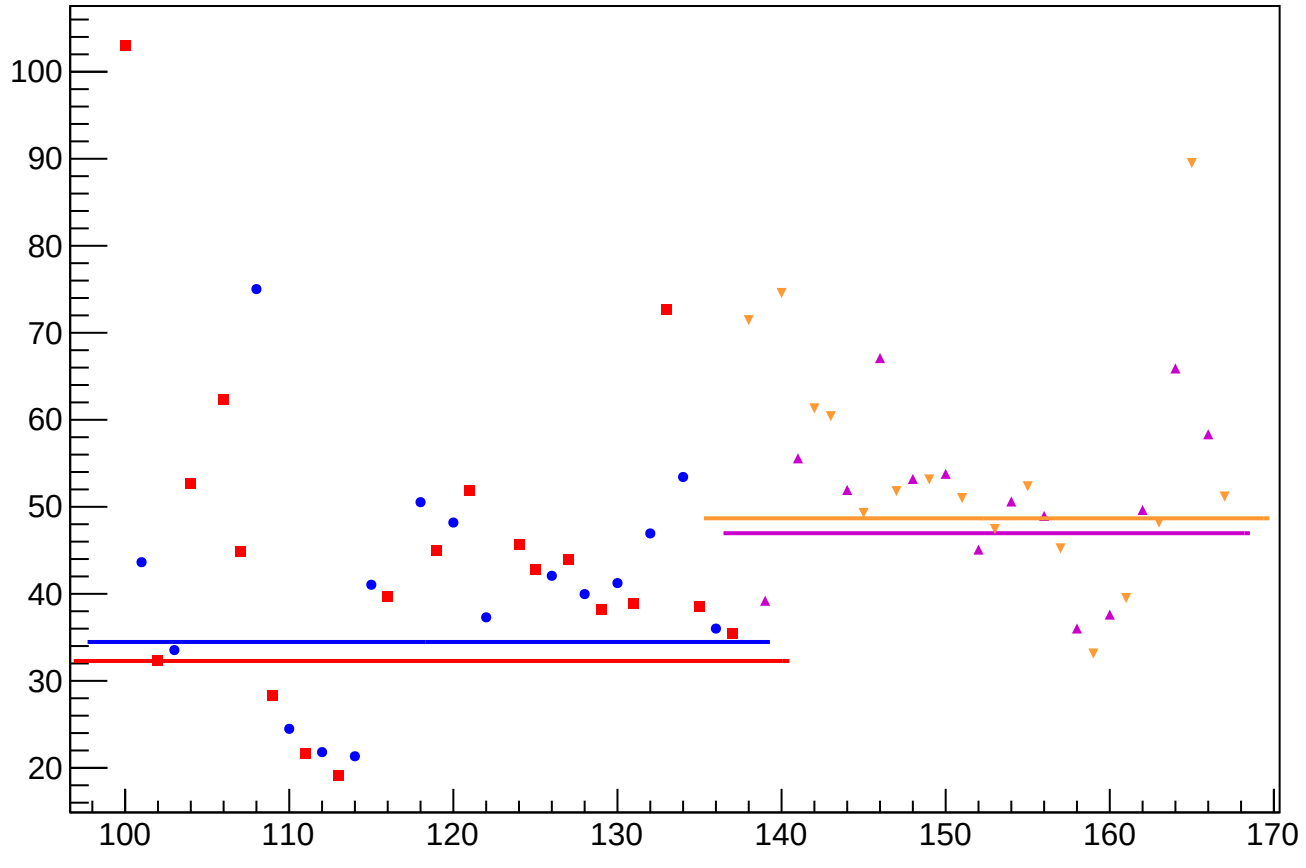
In: 0.000+/-0.000 χ^2/NDF:28.0/29

Out: -0.000+/-0.000 χ^2/NDF:56.5/34

All: -0.000+/-0.000 χ^2/NDF: 85.9/64


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1898916.8/15
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1539314.8/13
Left: 0.002+/-0.000 χ²/NDF: 3441386.3/29
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:2989609.5/29
Out: 0.002+/-0.000 χ²/NDF:5915460.2/34
All: 0.002+/-0.000 χ²/NDF: 9150377.3/64


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.007+/-0.014 χ²/NDF:27.6/15
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.010+/-0.015 χ²/NDF:15.2/13
Left: -0.001+/-0.010 χ²/NDF: 43.5/29
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.014+/-0.010 χ²/NDF:37.2/29
Out: -0.007+/-0.010 χ²/NDF:42.8/34
All: 0.003+/-0.007 χ²/NDF: 82.3/64



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.680+/-0.010 χ^2/NDF:1143742.3/15

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.969+/-0.010 χ^2/NDF:704611.5/13

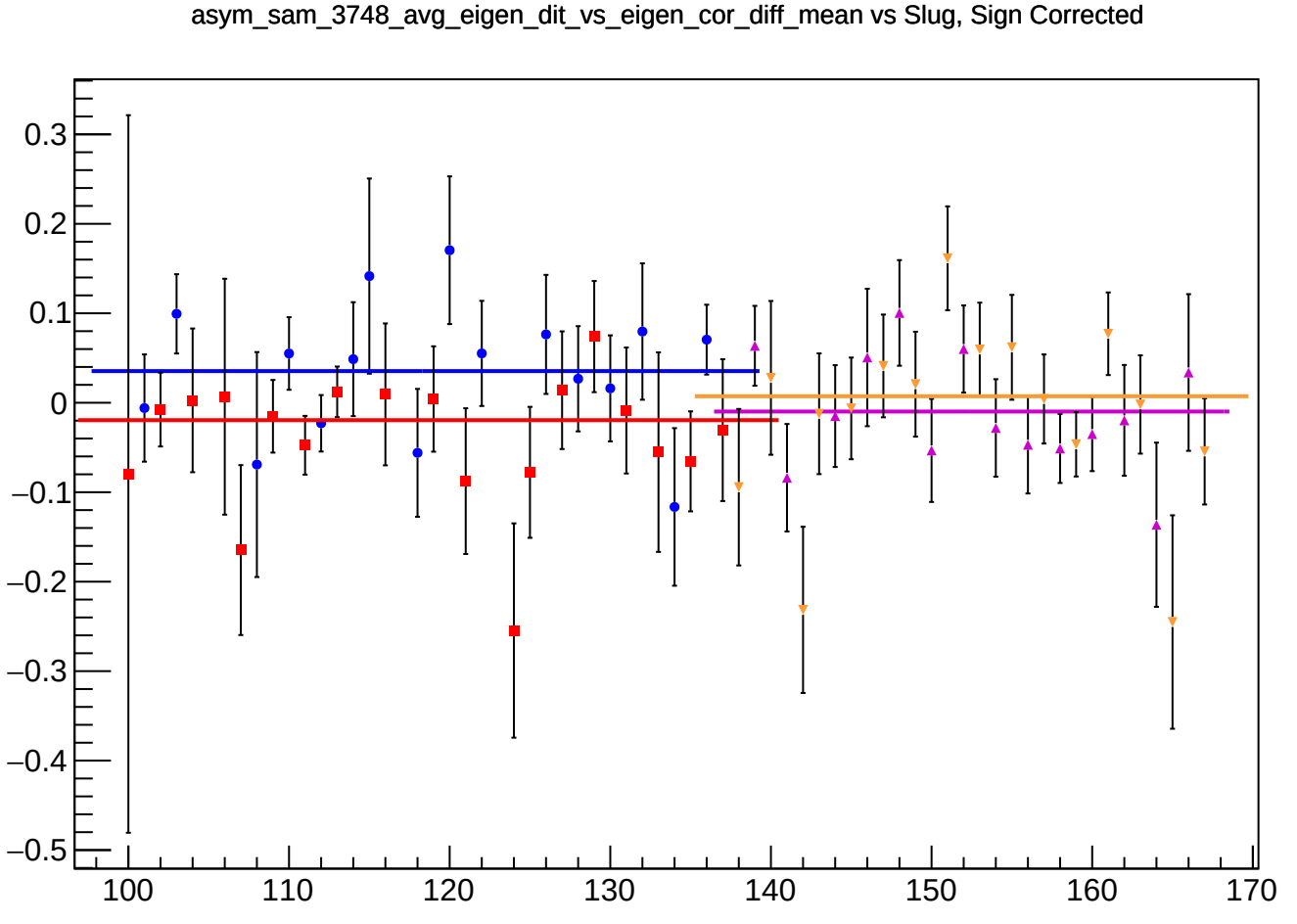
Left: 47.832+/-0.007 χ^2/NDF: 1862248.1/29

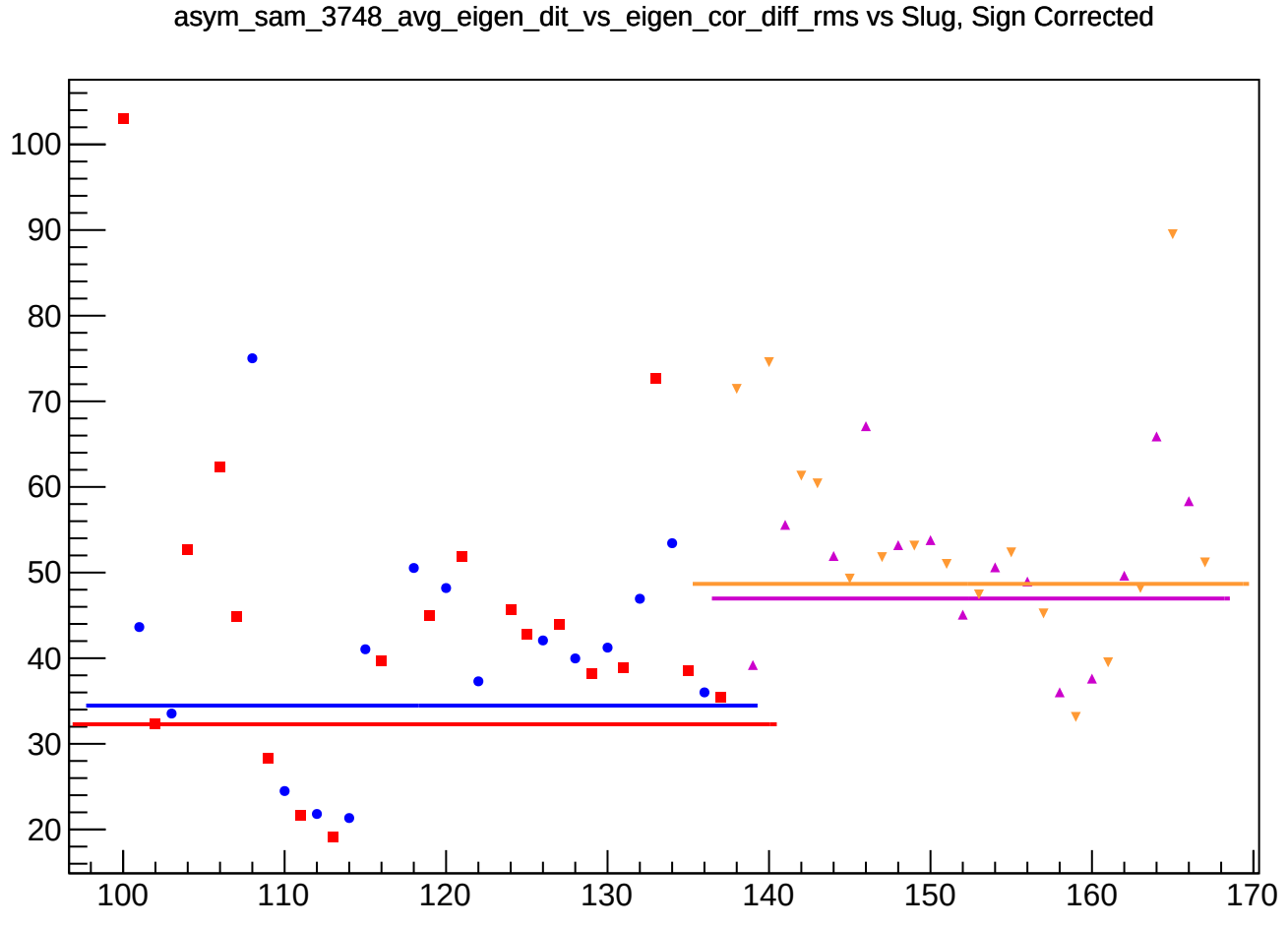
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

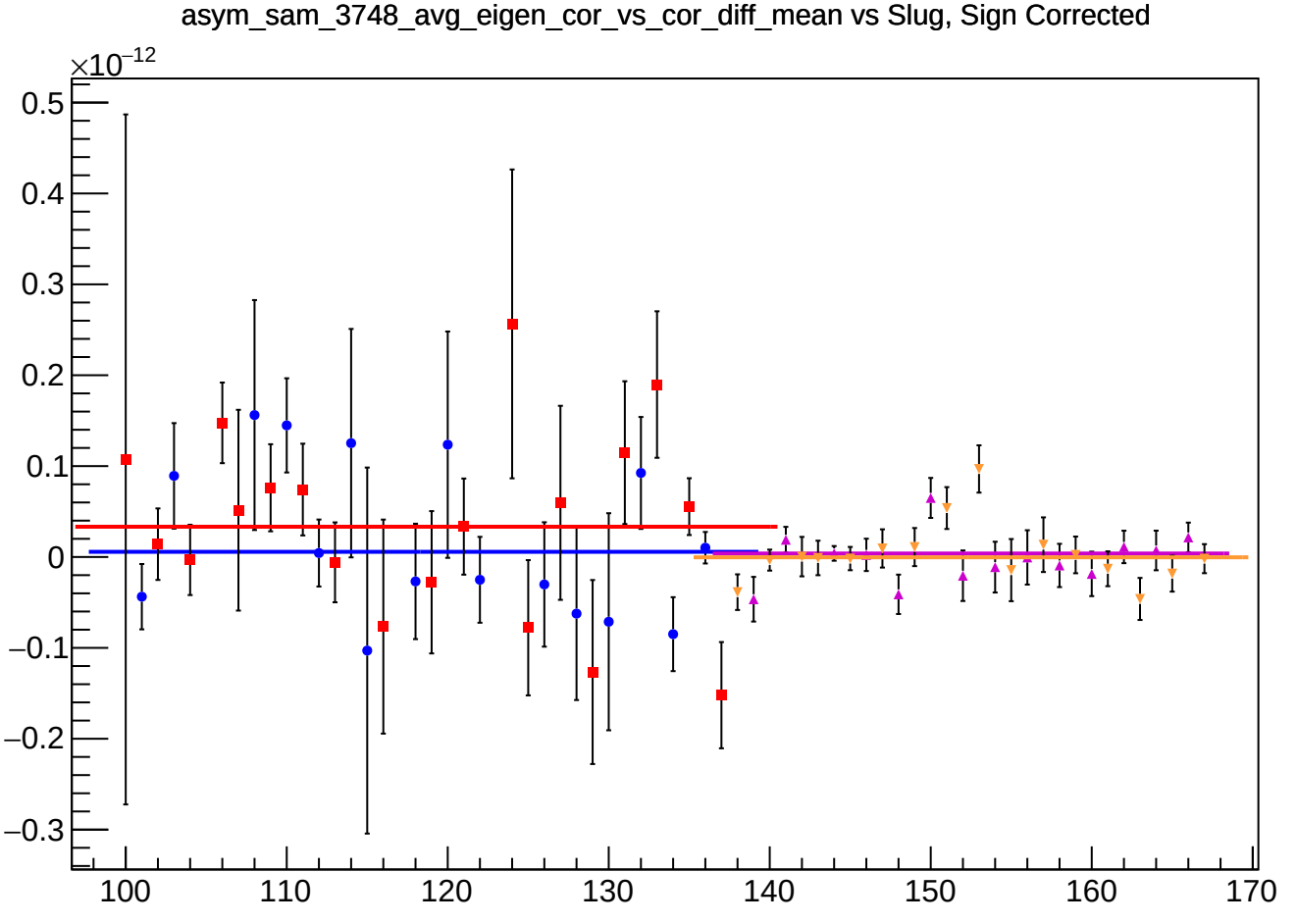
In: 40.417+/-0.007 χ^2/NDF:2646452.1/29

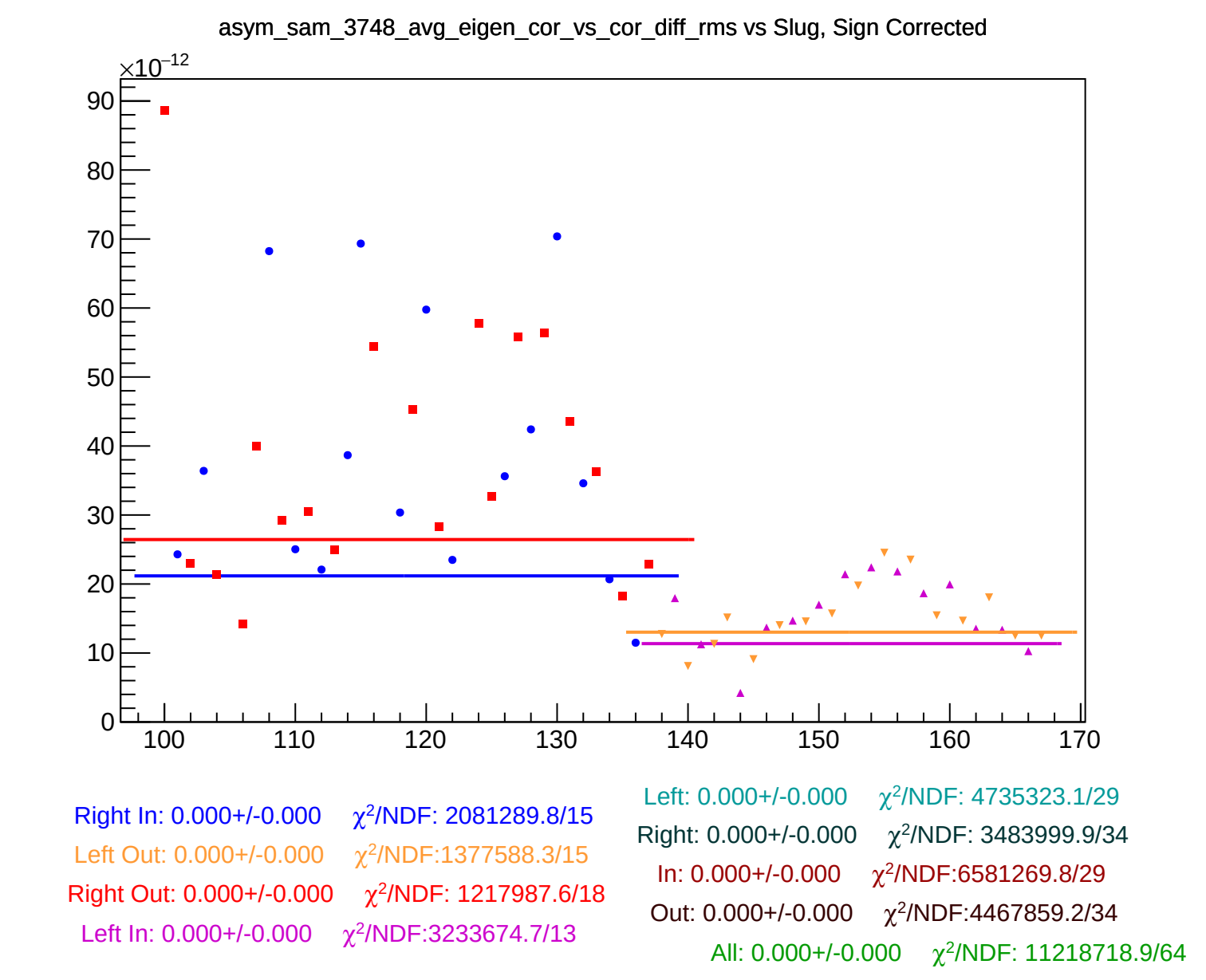
Out: 39.694+/-0.007 χ^2/NDF:4227027.0/34

All: 40.043+/-0.005 χ^2/NDF: 6878817.0/64

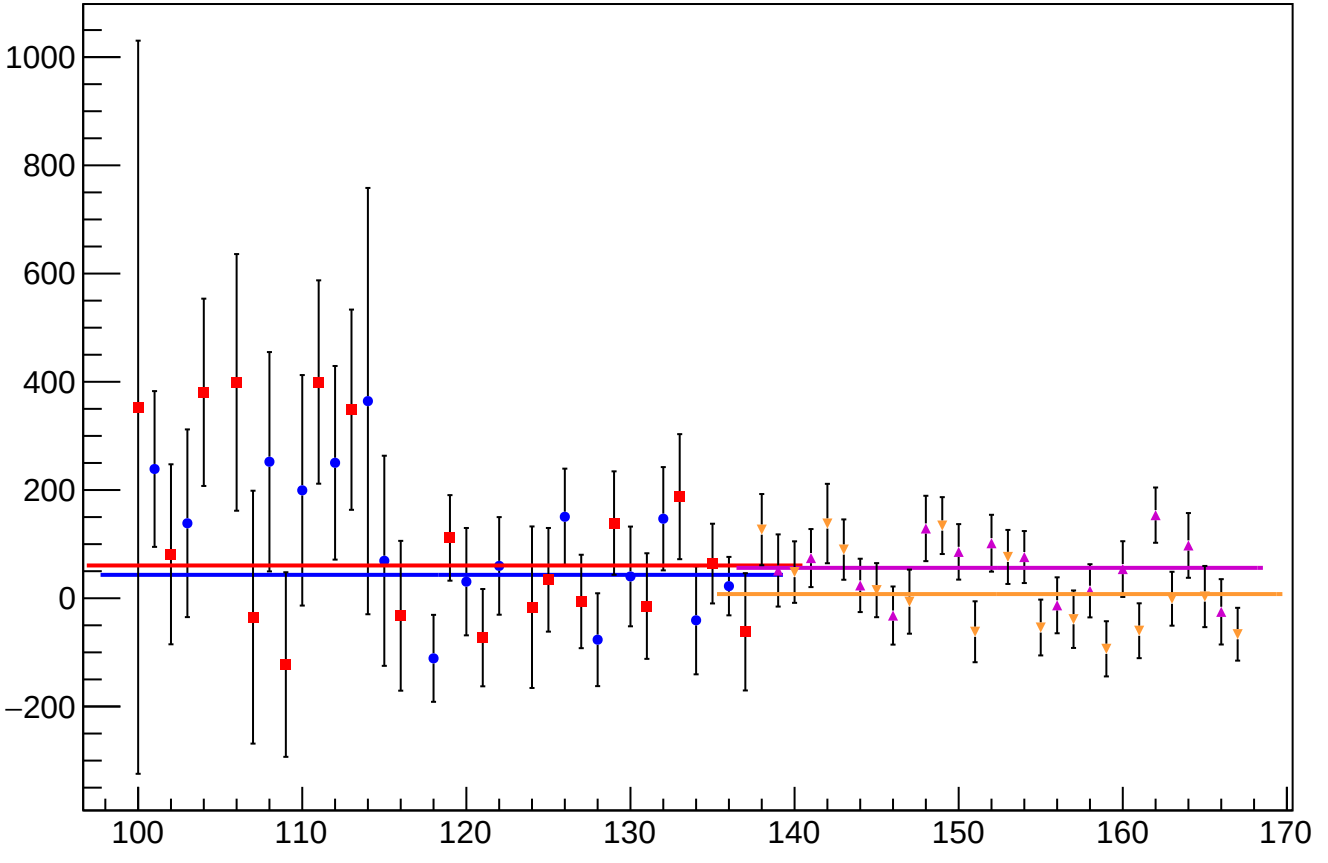

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.007+/-0.014 χ²/NDF:27.6/15
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.010+/-0.015 χ²/NDF:15.2/13
Left: -0.001+/-0.010 χ²/NDF: 43.5/29
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.014+/-0.010 χ²/NDF:37.2/29
Out: -0.007+/-0.010 χ²/NDF:42.8/34
All: 0.003+/-0.007 χ²/NDF: 82.3/64


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 48.680+/-0.010 χ²/NDF:1143742.3/15
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.969+/-0.010 χ²/NDF:704611.5/13
Left: 47.832+/-0.007 χ²/NDF: 1862248.1/29
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 40.417+/-0.007 χ²/NDF:2646452.1/29
Out: 39.694+/-0.007 χ²/NDF:4227027.0/34
All: 40.043+/-0.005 χ²/NDF: 6878817.0/64


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:29.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:21.0/13
Left: 0.000+/-0.000 χ²/NDF: 50.9/29
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:44.6/29
Out: 0.000+/-0.000 χ²/NDF:68.9/34
All: 0.000+/-0.000 χ²/NDF: 113.4/64


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1377588.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3233674.7/13
Left: 0.000+/-0.000 χ²/NDF: 4735323.1/29
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6581269.8/29
Out: 0.000+/-0.000 χ²/NDF:4467859.2/34
All: 0.000+/-0.000 χ²/NDF: 11218718.9/64

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.726+/-13.543 χ^2/NDF:28.7/15

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 56.174+/-14.310 χ^2/NDF:14.4/13

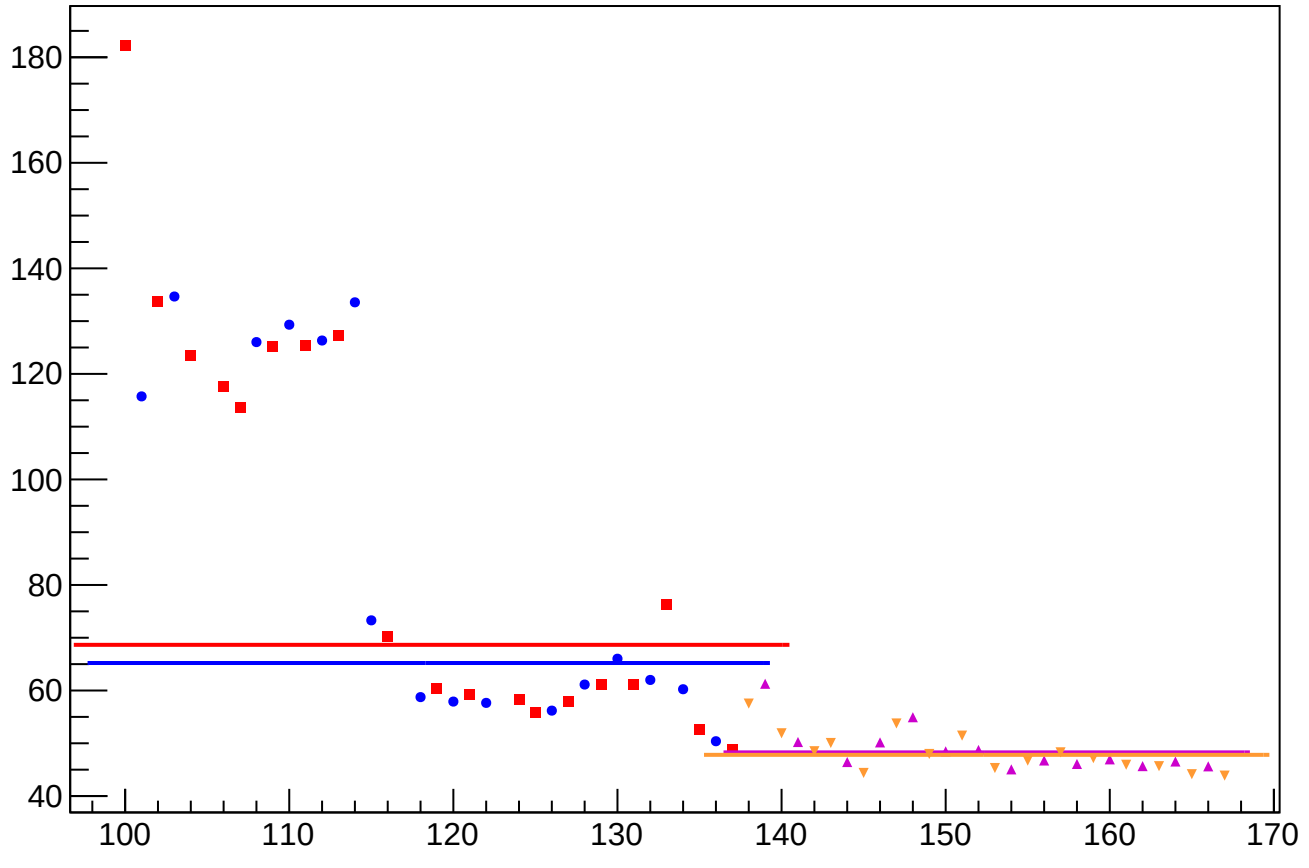
Left: 30.616+/-9.836 χ^2/NDF: 49.1/29

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 53.129+/-12.512 χ^2/NDF:29.6/29

Out: 18.417+/-12.096 χ^2/NDF:52.2/34

All: 35.186+/-8.696 χ^2/NDF: 85.7/64



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 47.810+/-0.010 χ^2/NDF:129640.4/15

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.276+/-0.010 χ^2/NDF:135200.9/13

Left: 48.030+/-0.007 χ^2/NDF: 265960.0/29

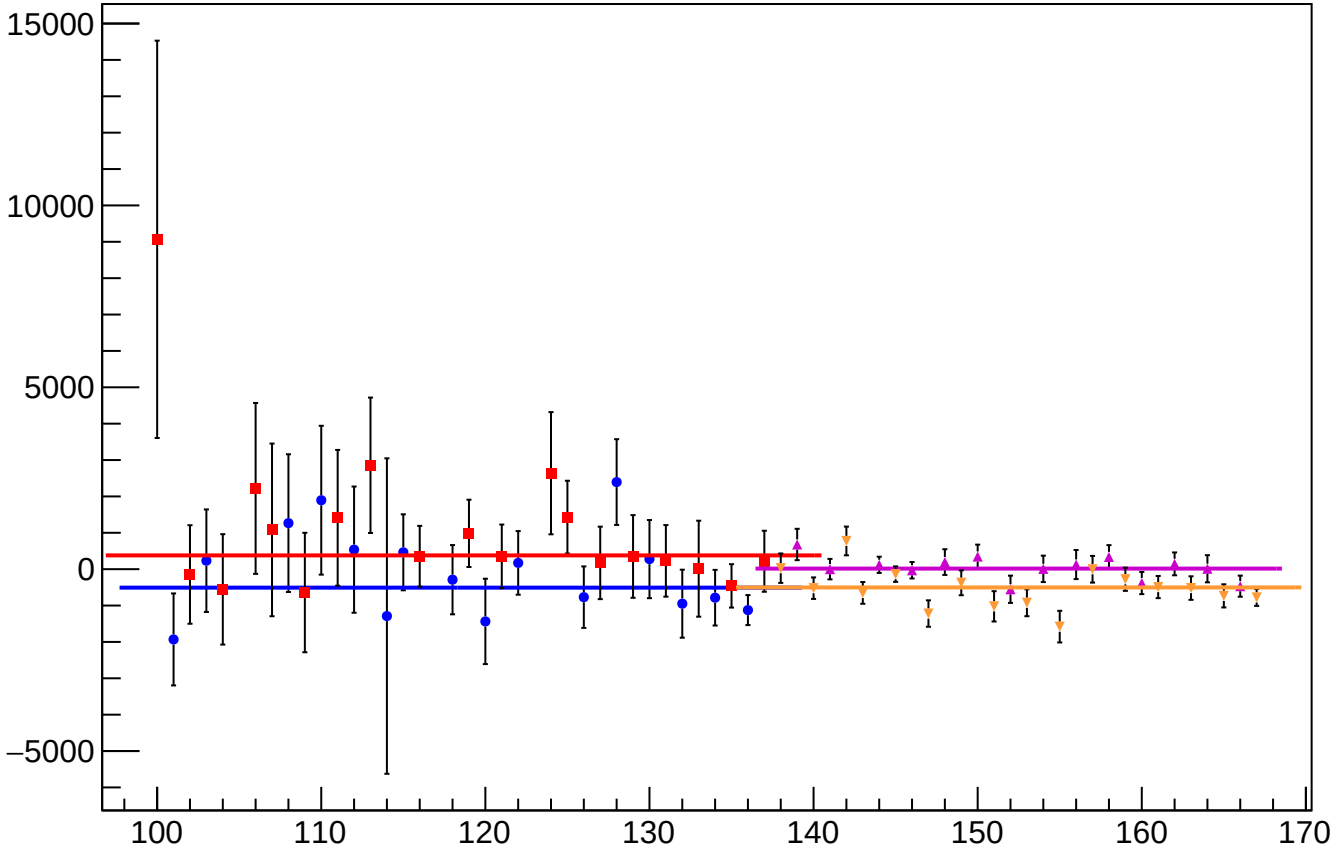
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 52.265+/-0.009 χ^2/NDF:2241529.6/29

Out: 52.027+/-0.009 χ^2/NDF:2729080.2/34

All: 52.142+/-0.006 χ^2/NDF: 4970985.6/64

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -502.520+/-79.624 χ^2/NDF:32.7/15

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 15.913+/-82.896 χ^2/NDF:11.9/13

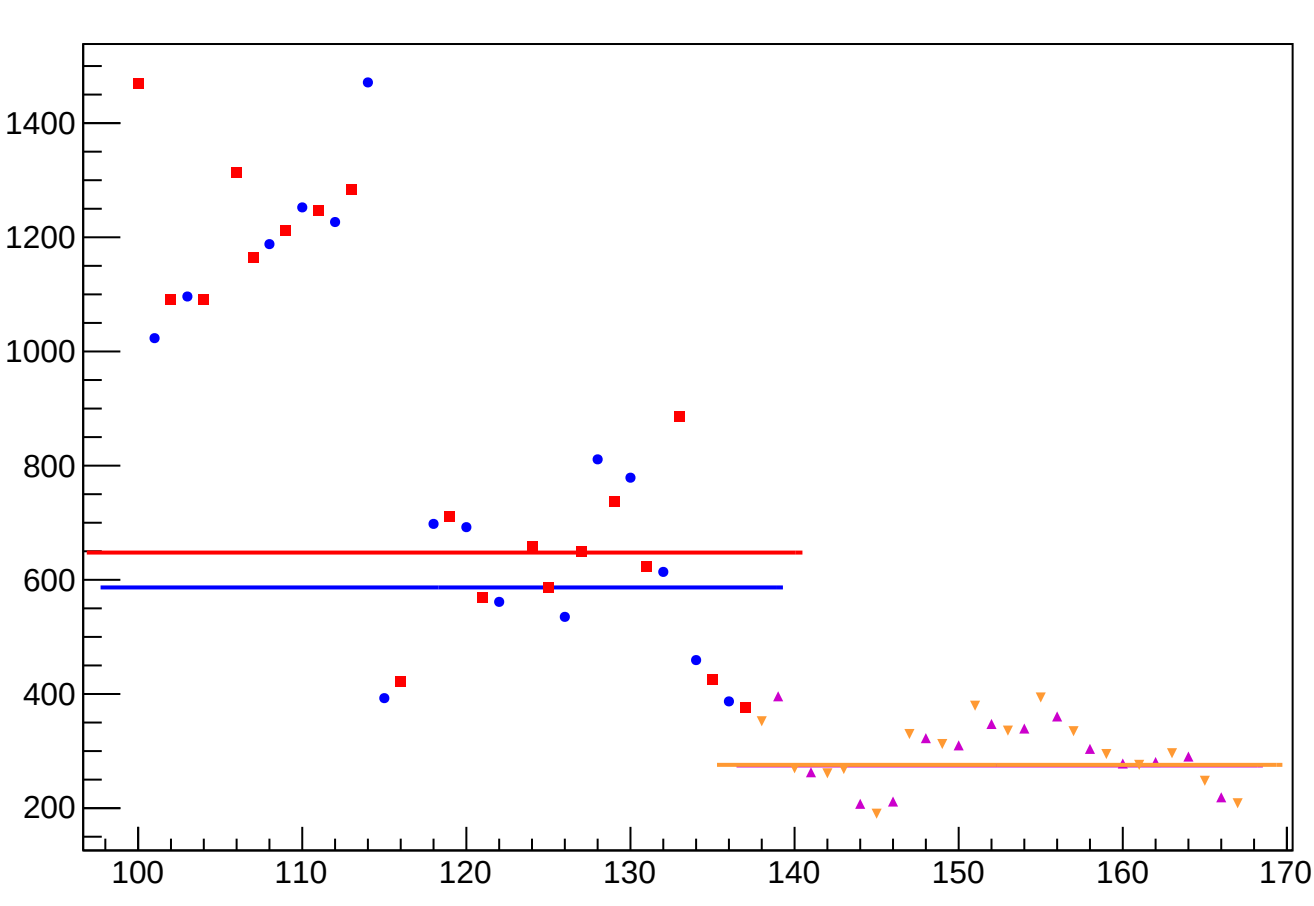
Left: -253.736+/-57.425 χ^2/NDF: 65.0/29

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -41.212+/-78.246 χ^2/NDF:31.9/29

Out: -424.998+/-76.042 χ^2/NDF:55.2/34

All: -238.585+/-54.532 χ^2/NDF: 99.5/64



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 275.883+/-0.056 χ^2/NDF:1039639.5/15

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 274.781+/-0.059 χ^2/NDF:884848.7/13

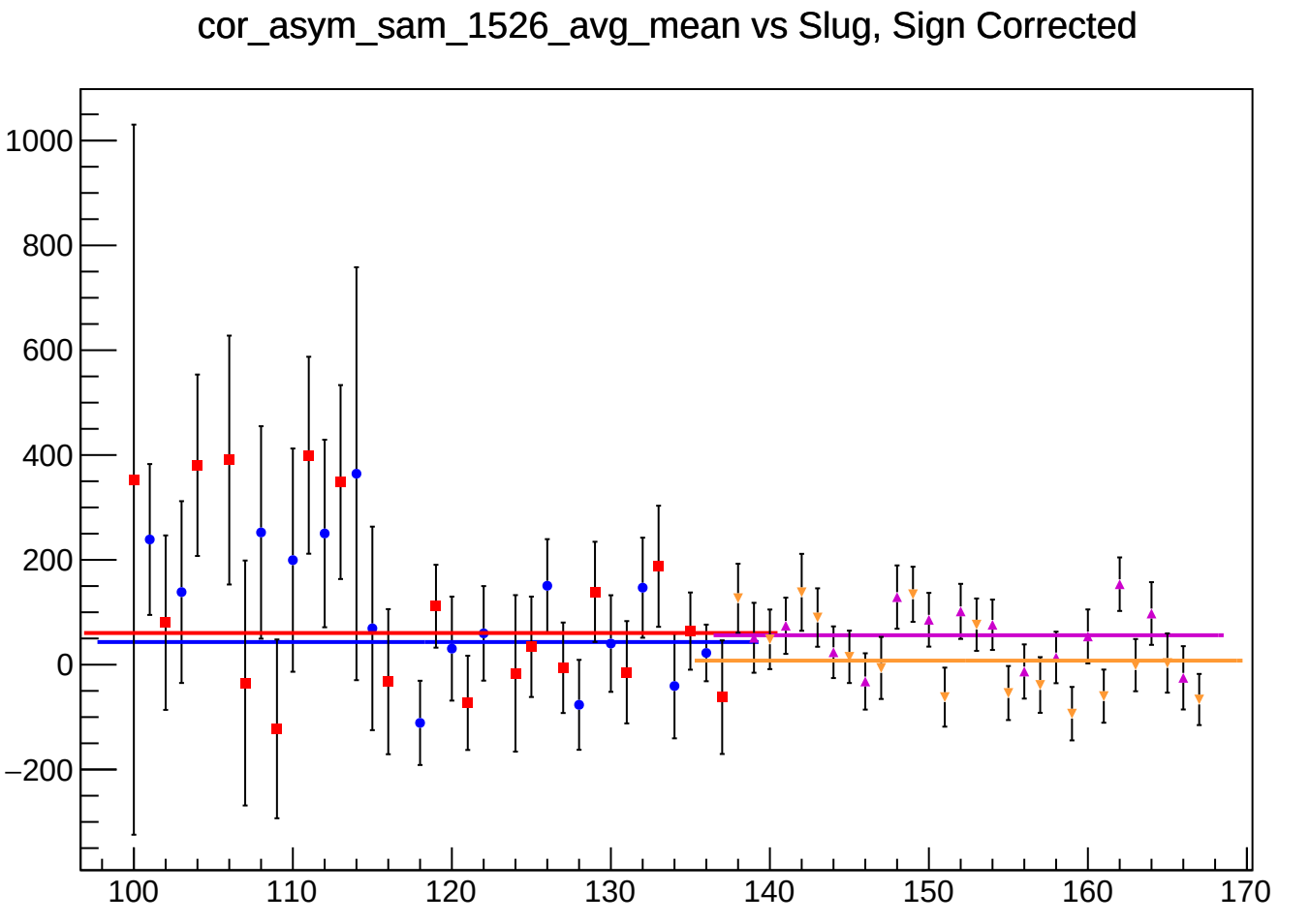
Left: 275.354+/-0.041 χ^2/NDF: 1924672.0/29

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 308.790+/-0.055 χ^2/NDF:6024862.4/29

Out: 308.588+/-0.054 χ^2/NDF:6981734.5/34

All: 308.686+/-0.039 χ^2/NDF: 13006603.7/64



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.728+/-13.543 χ^2/NDF:28.7/15

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 56.173+/-14.310 χ^2/NDF:14.4/13

Left: 30.616+/-9.836 χ^2/NDF: 49.1/29

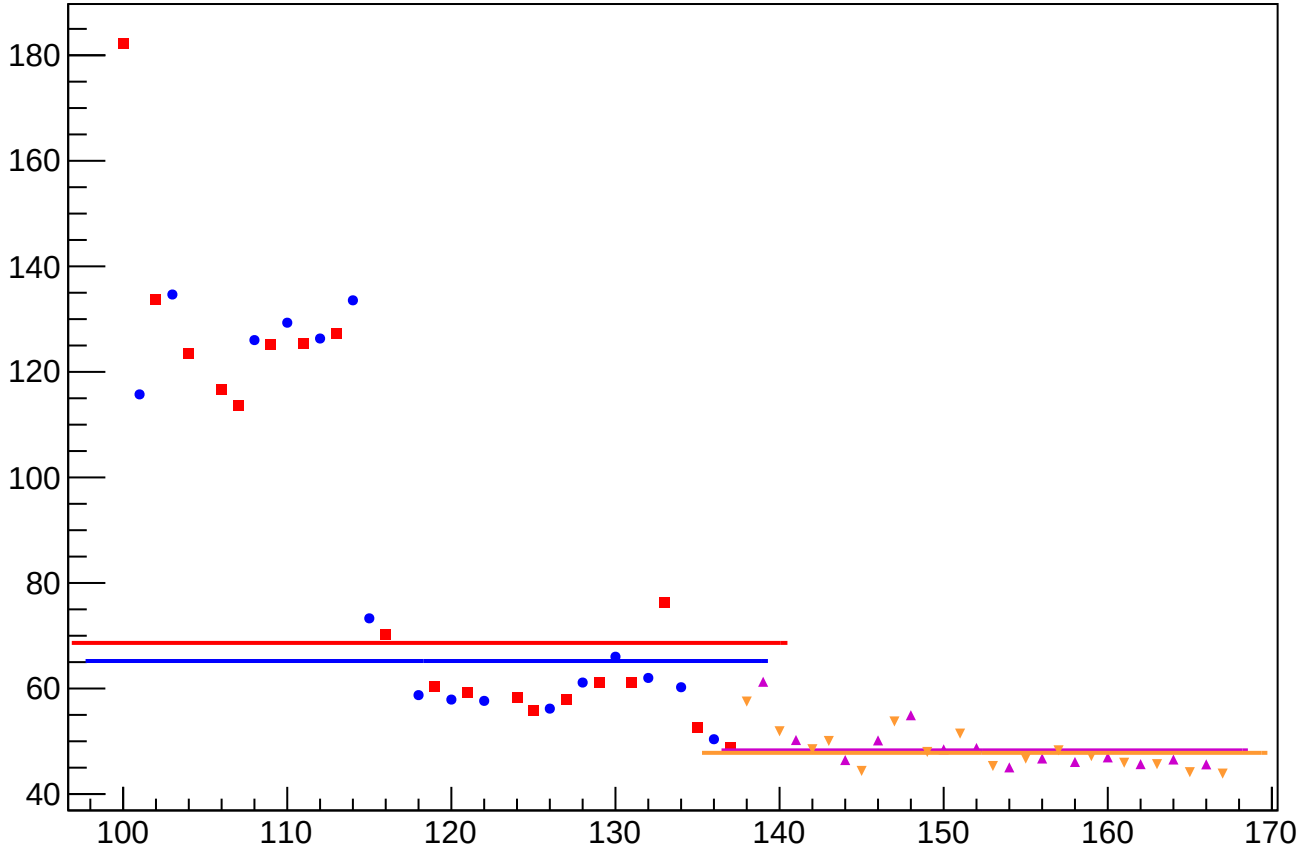
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 53.127+/-12.512 χ^2/NDF:29.6/29

Out: 18.388+/-12.096 χ^2/NDF:52.1/34

All: 35.170+/-8.696 χ^2/NDF: 85.6/64

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.810+/-0.010 χ^2/NDF:129640.4/15

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.276+/-0.010 χ^2/NDF:135200.9/13

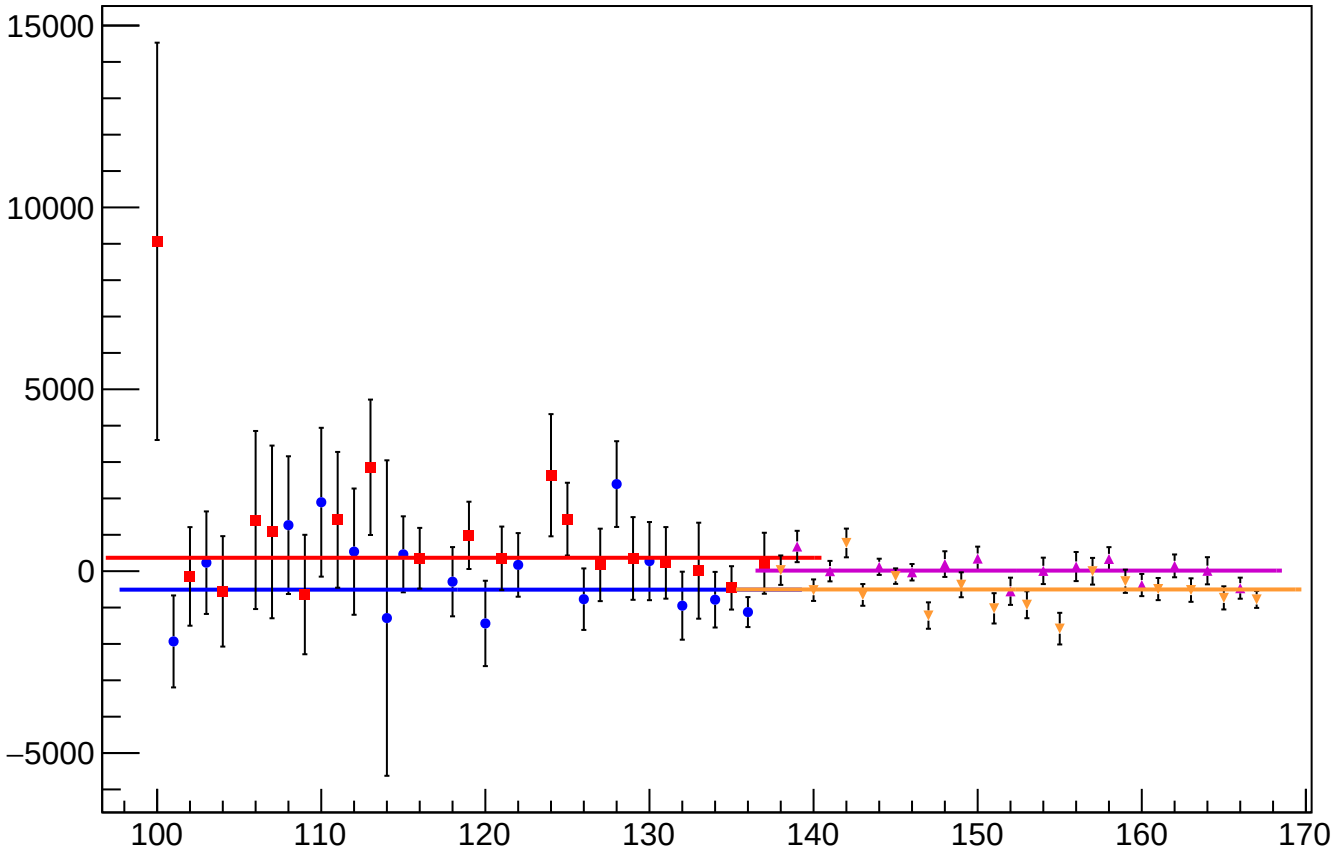
Left: 48.030+/-0.007 χ^2/NDF: 265960.0/29

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 52.265+/-0.009 χ^2/NDF:2241531.7/29

Out: 52.024+/-0.009 χ^2/NDF:2724368.2/34

All: 52.141+/-0.006 χ^2/NDF: 4966285.6/64



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -502.515+/-79.624 χ^2/NDF:32.7/15

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 15.912+/-82.896 χ^2/NDF:11.9/13

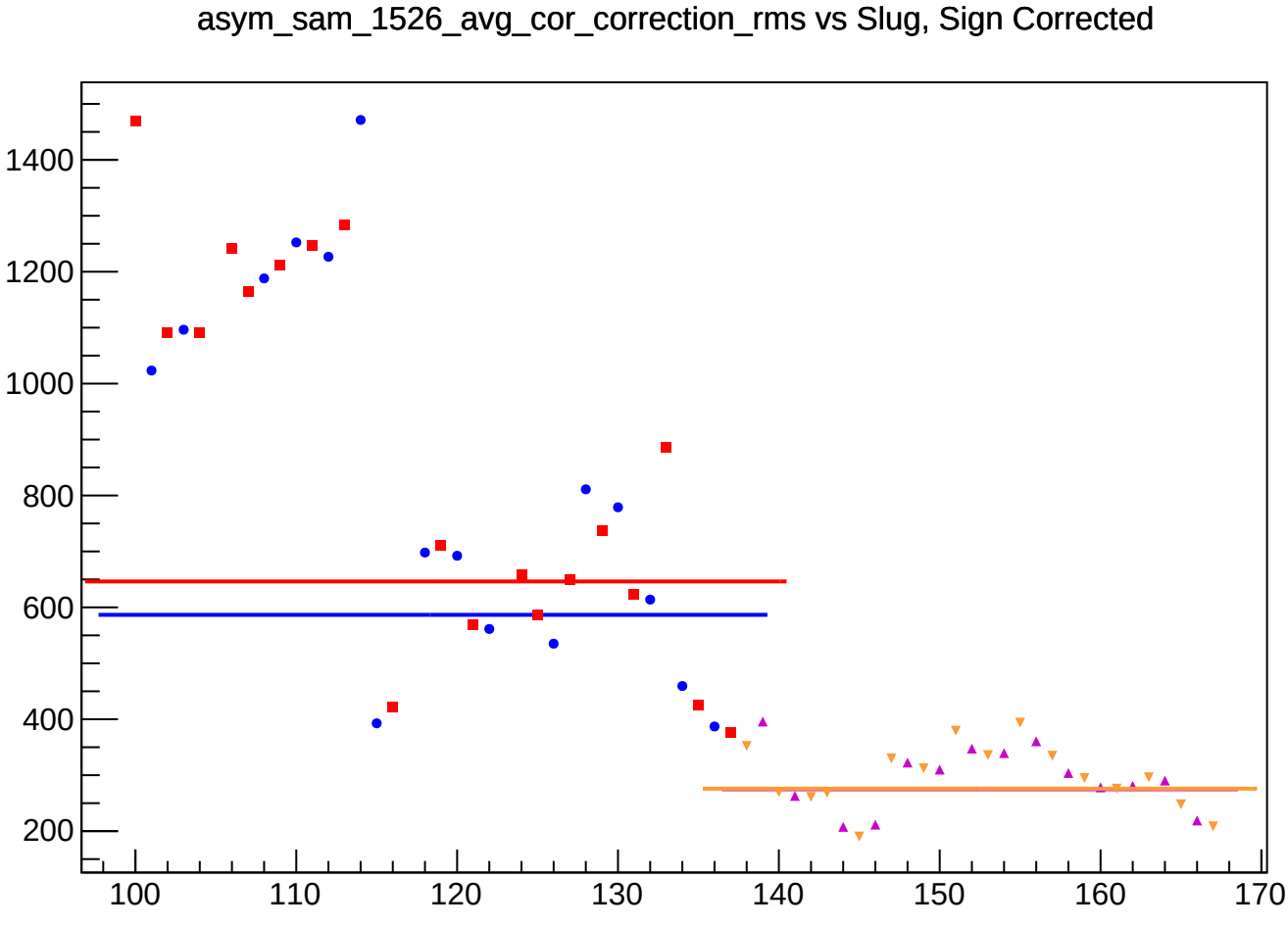
Left: -253.734+/-57.425 χ^2/NDF: 65.0/29

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -41.211+/-78.246 χ^2/NDF:31.9/29

Out: -425.991+/-76.046 χ^2/NDF:54.5/34

All: -239.086+/-54.534 χ^2/NDF: 98.9/64



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 275.883+/-0.056 χ^2/NDF:1039646.2/15

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 274.781+/-0.059 χ^2/NDF:884845.9/13

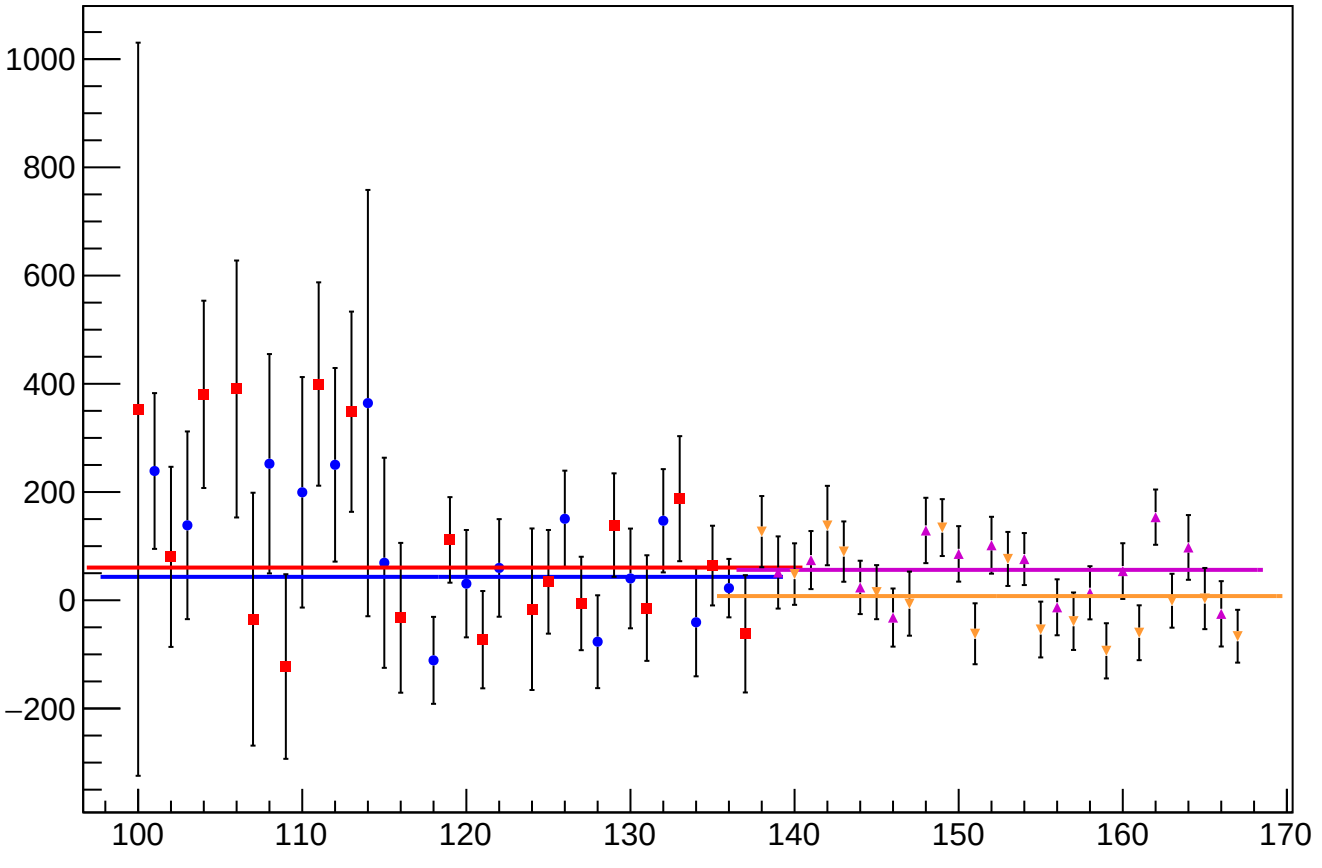
Left: 275.354+/-0.041 χ^2/NDF: 1924675.8/29

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 308.790+/-0.055 χ^2/NDF:6024882.1/29

Out: 308.435+/-0.054 χ^2/NDF:6906857.8/34

All: 308.607+/-0.039 χ^2/NDF: 12931761.1/64



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.728+/-13.543 χ^2/NDF:28.7/15

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 56.173+/-14.310 χ^2/NDF:14.4/13

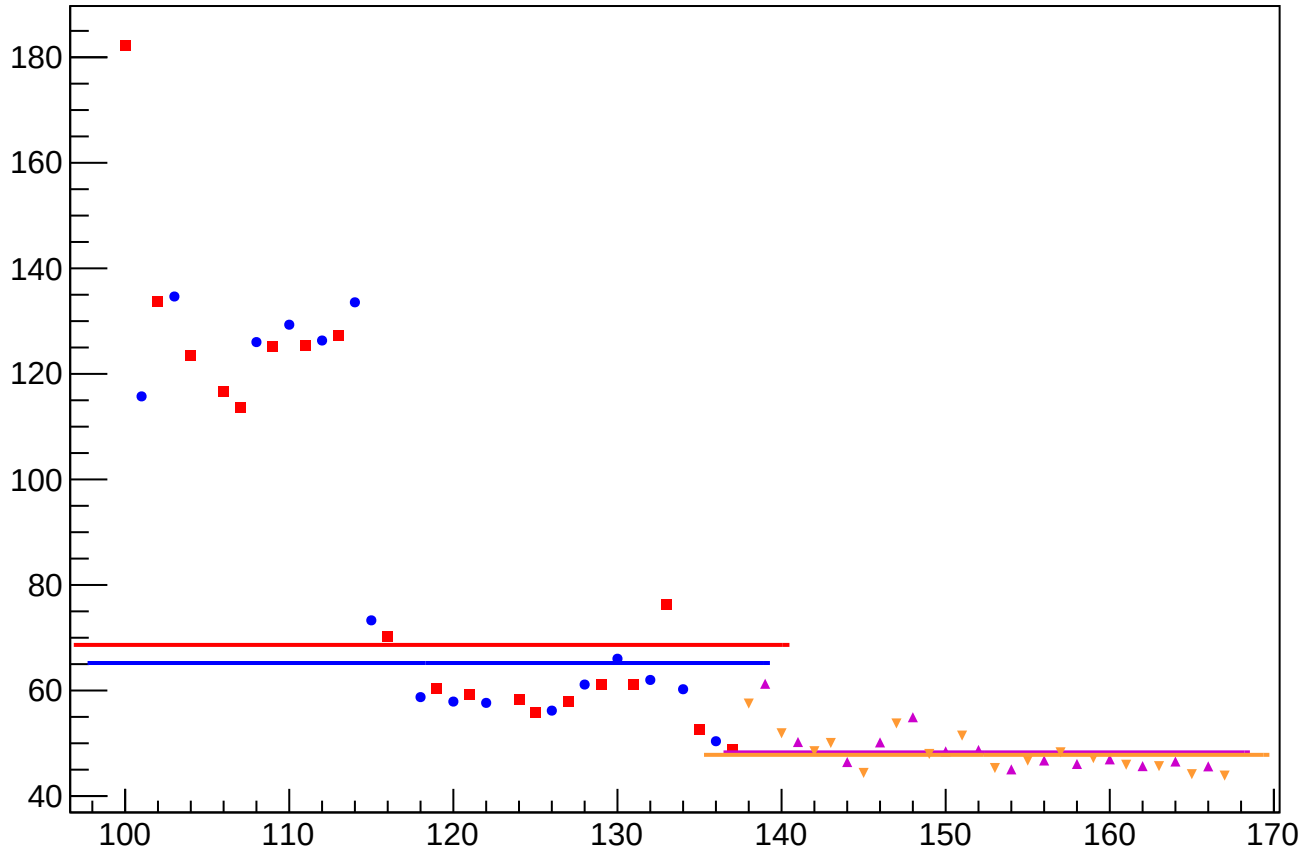
Left: 30.616+/-9.836 χ^2/NDF: 49.1/29

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 53.127+/-12.512 χ^2/NDF:29.6/29

Out: 18.388+/-12.096 χ^2/NDF:52.1/34

All: 35.170+/-8.696 χ^2/NDF: 85.6/64



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.810+/-0.010 χ^2/NDF:129640.4/15

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.276+/-0.010 χ^2/NDF:135200.9/13

Left: 48.030+/-0.007 χ^2/NDF: 265960.0/29

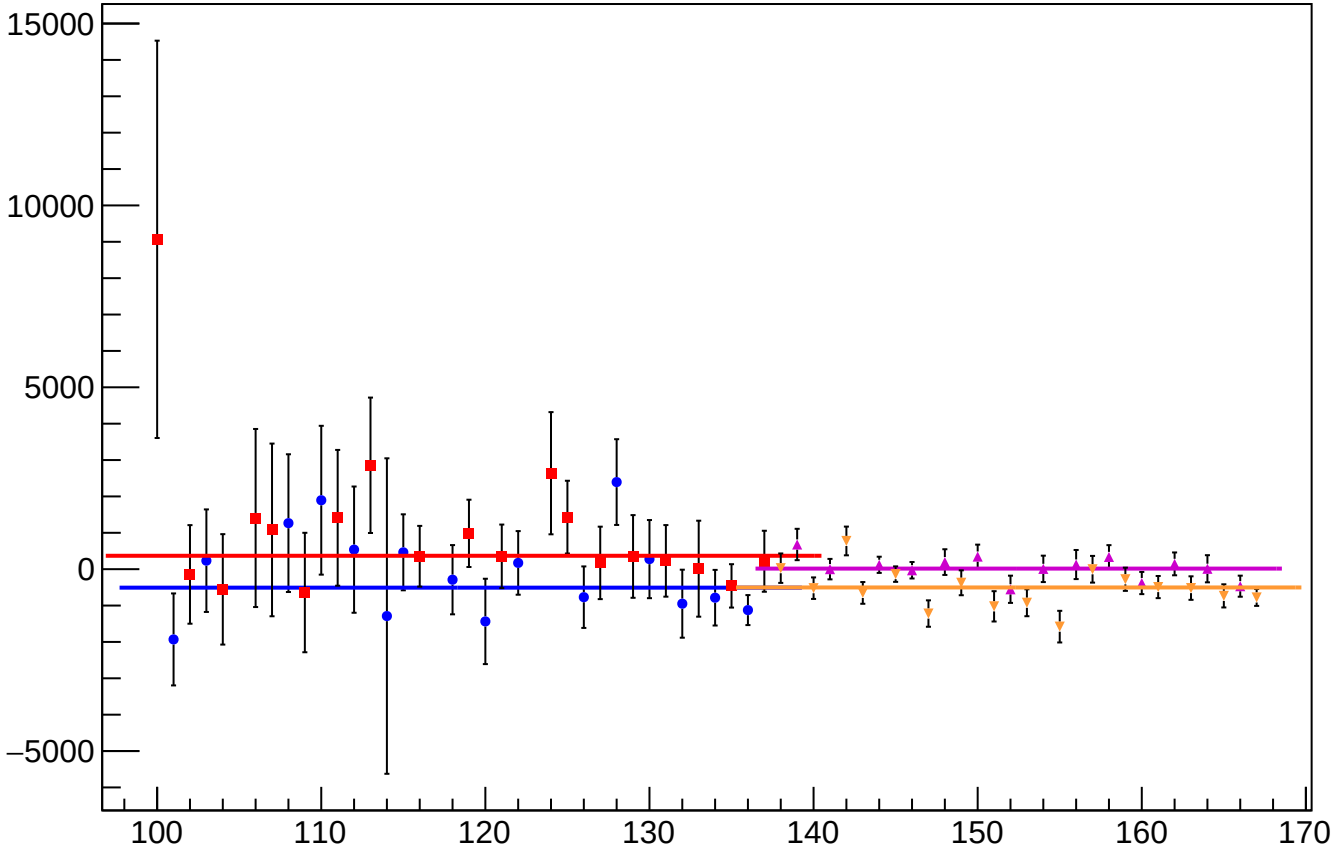
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 52.265+/-0.009 χ^2/NDF:2241531.7/29

Out: 52.024+/-0.009 χ^2/NDF:2724368.2/34

All: 52.141+/-0.006 χ^2/NDF: 4966285.6/64

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -502.515+/-79.624 χ^2/NDF:32.7/15

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 15.912+/-82.896 χ^2/NDF:11.9/13

Left: -253.734+/-57.425 χ^2/NDF: 65.0/29

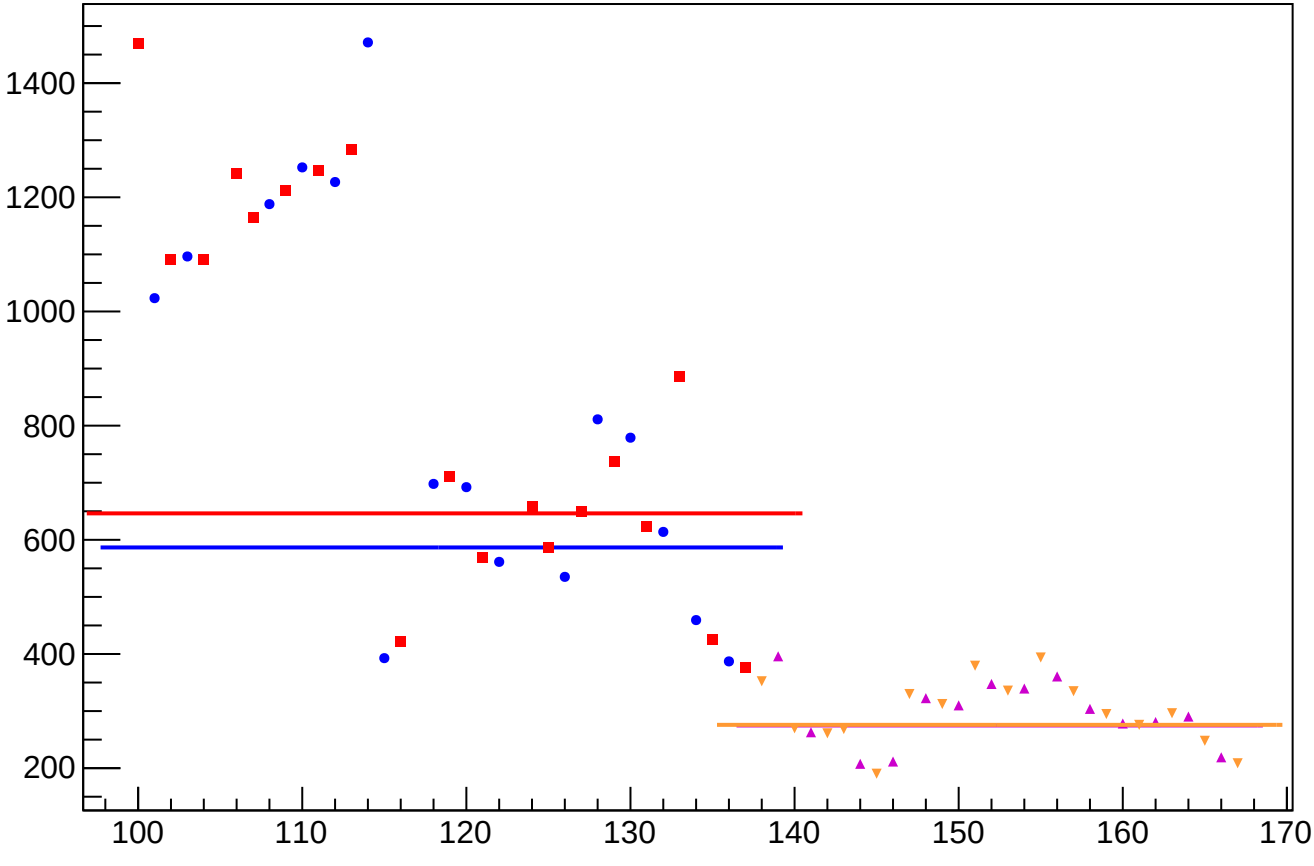
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -41.211+/-78.246 χ^2/NDF:31.9/29

Out: -425.991+/-76.046 χ^2/NDF:54.5/34

All: -239.086+/-54.534 χ^2/NDF: 98.9/64

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 275.883+/-0.056 χ^2/NDF:1039646.2/15

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 274.781+/-0.059 χ^2/NDF:884845.9/13

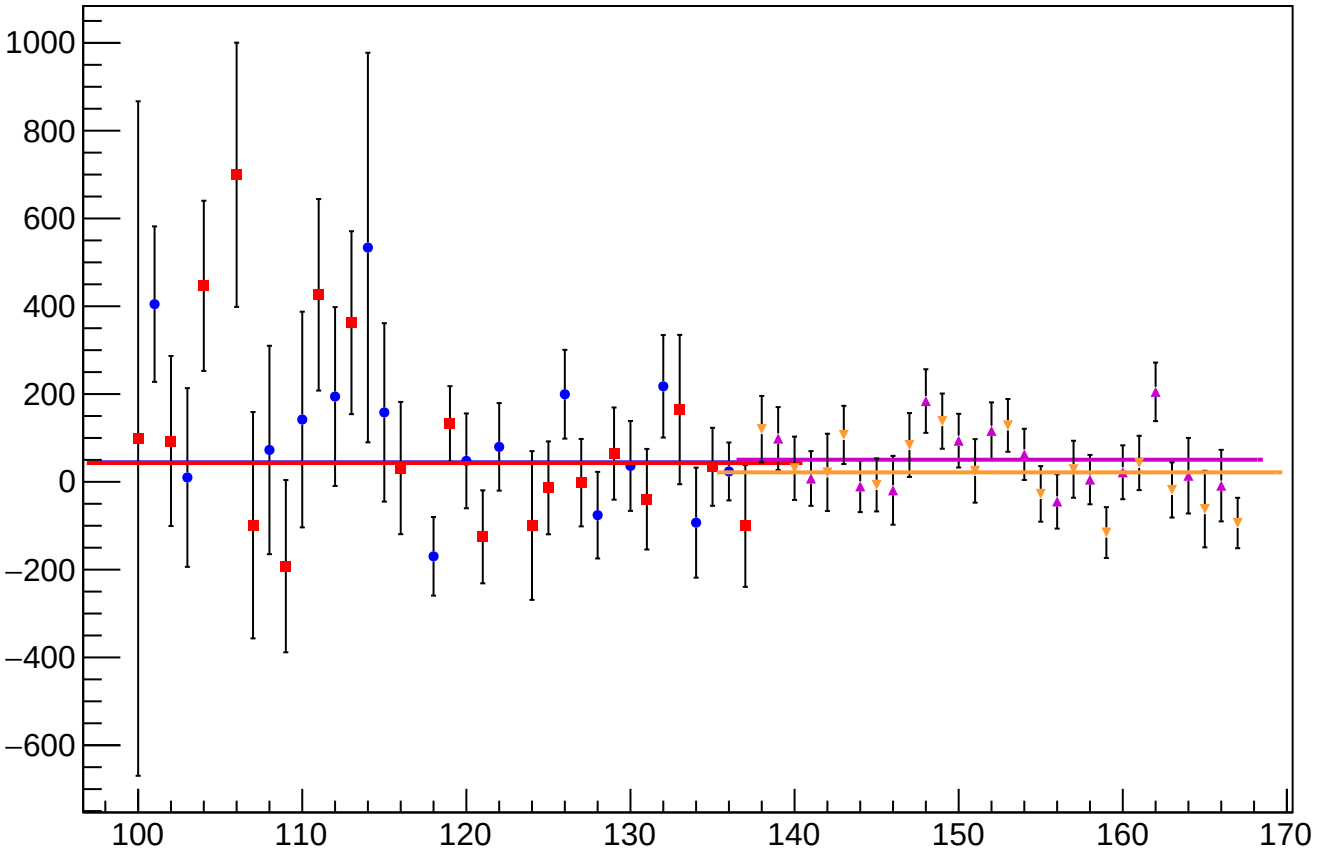
Left: 275.354+/-0.041 χ^2/NDF: 1924675.8/29

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 308.790+/-0.055 χ^2/NDF:6024882.1/29

Out: 308.435+/-0.054 χ^2/NDF:6906857.8/34

All: 308.607+/-0.039 χ^2/NDF: 12931761.1/64



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 21.631+/-16.573 χ^2/NDF:22.6/15

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 50.432+/-17.542 χ^2/NDF:17.1/13

Left: 35.214+/-12.047 χ^2/NDF: 41.1/29

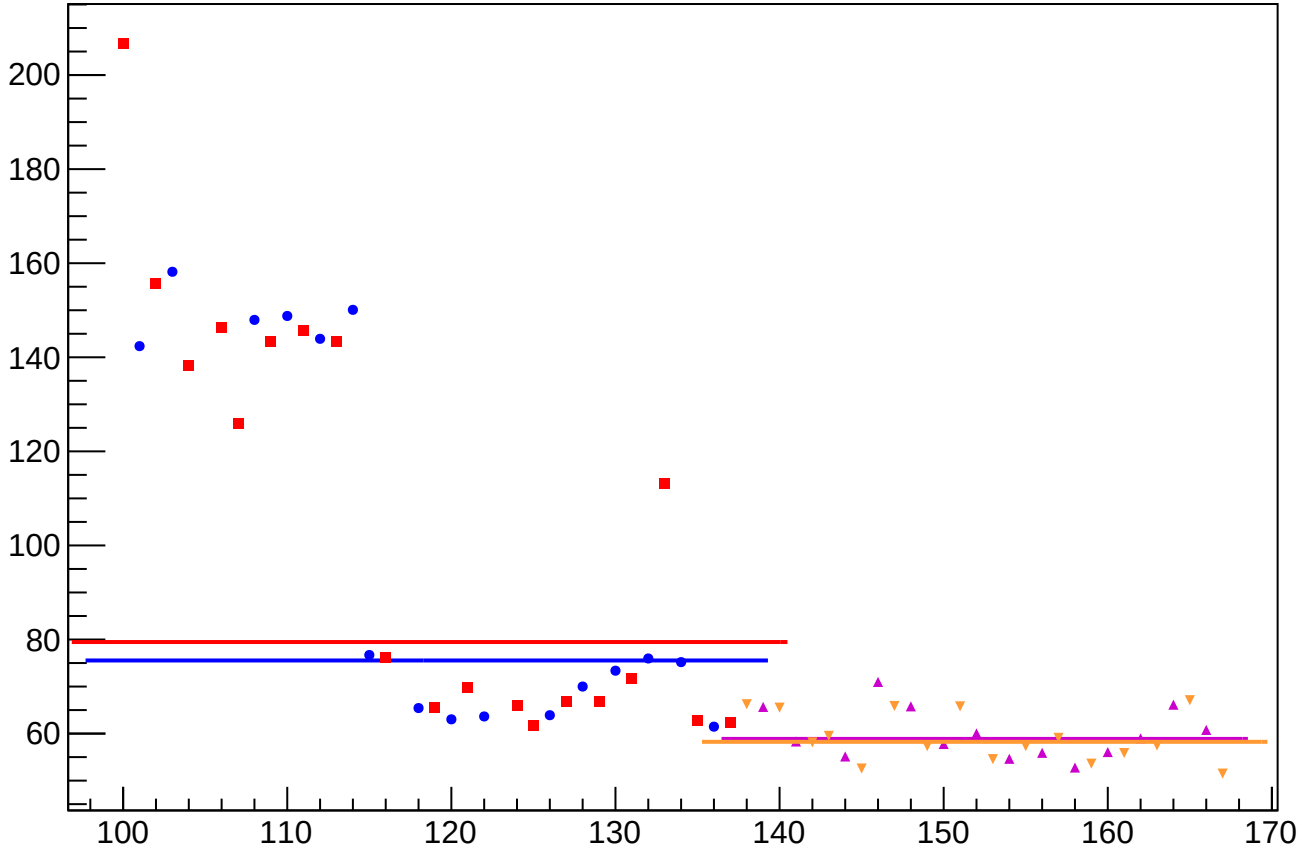
Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 48.885+/-15.131 χ^2/NDF:36.7/29

Out: 26.301+/-14.641 χ^2/NDF:46.3/34

All: 37.221+/-10.522 χ^2/NDF: 84.2/64

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.252+/-0.012 χ^2/NDF:177738.4/15

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.870+/-0.012 χ^2/NDF:151692.3/13

Left: 58.544+/-0.009 χ^2/NDF: 330743.5/29

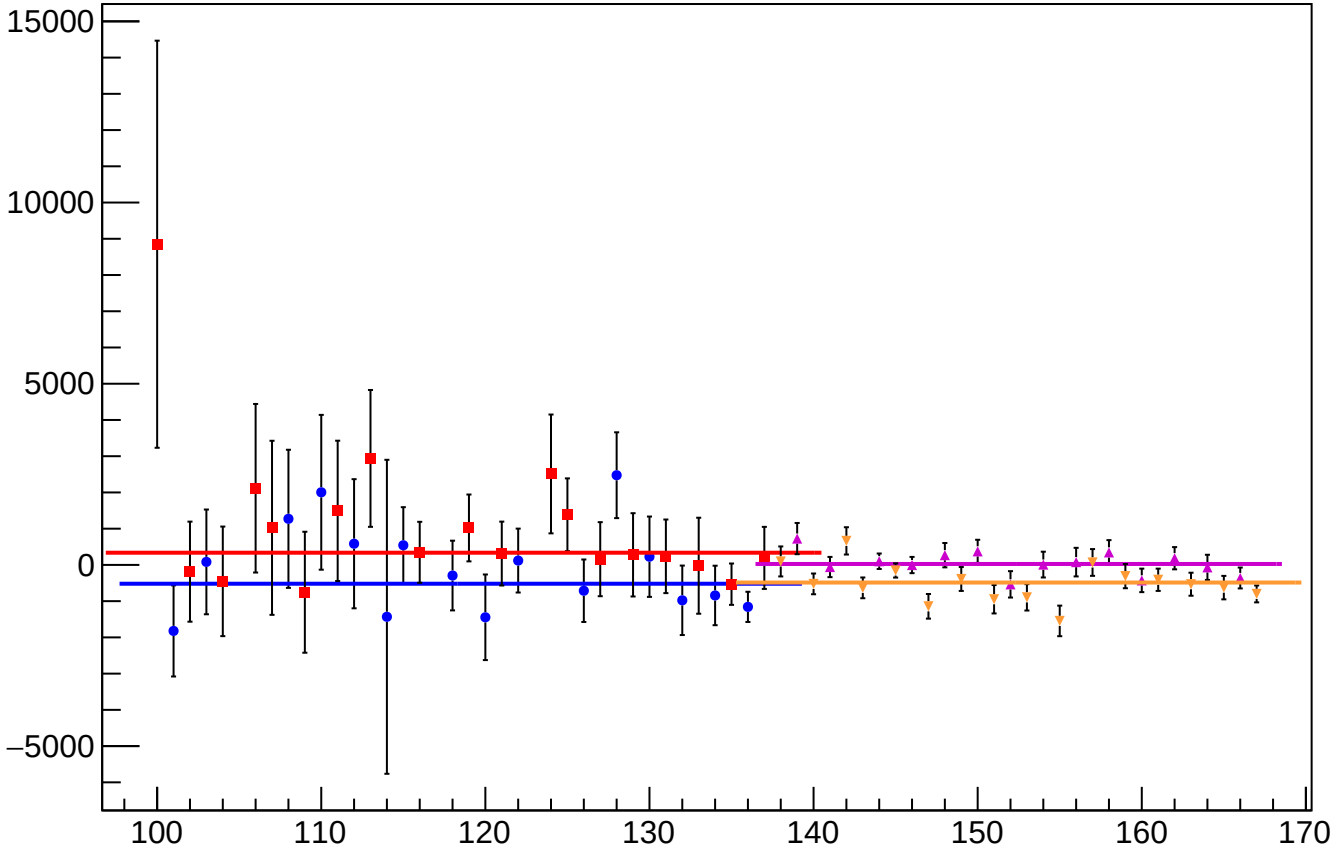
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 63.138+/-0.011 χ^2/NDF:2079744.7/29

Out: 62.909+/-0.010 χ^2/NDF:2580740.0/34

All: 63.020+/-0.007 χ^2/NDF: 4660721.5/64

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -486.405+/-77.735 χ^2/NDF:31.8/15

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 26.032+/-81.695 χ^2/NDF:12.0/13

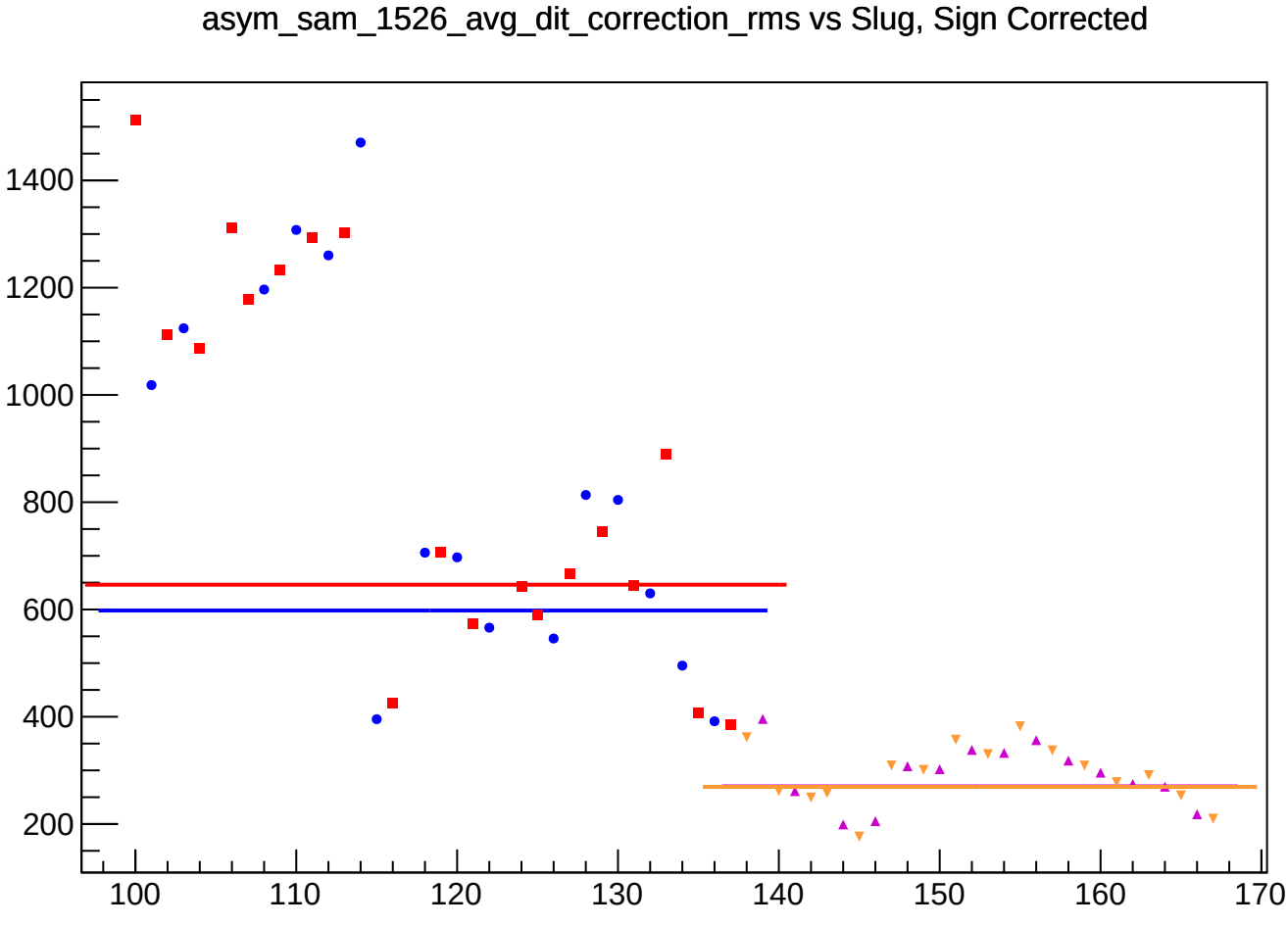
Left: -242.908+/-56.315 χ^2/NDF: 64.4/29

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -30.037+/-77.381 χ^2/NDF:32.4/29

Out: -417.221+/-74.397 χ^2/NDF:53.2/34

All: -231.240+/-53.630 χ^2/NDF: 98.5/64



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 269.214+/-0.055 χ^2/NDF:1143960.1/15

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 270.210+/-0.058 χ^2/NDF:951104.0/13

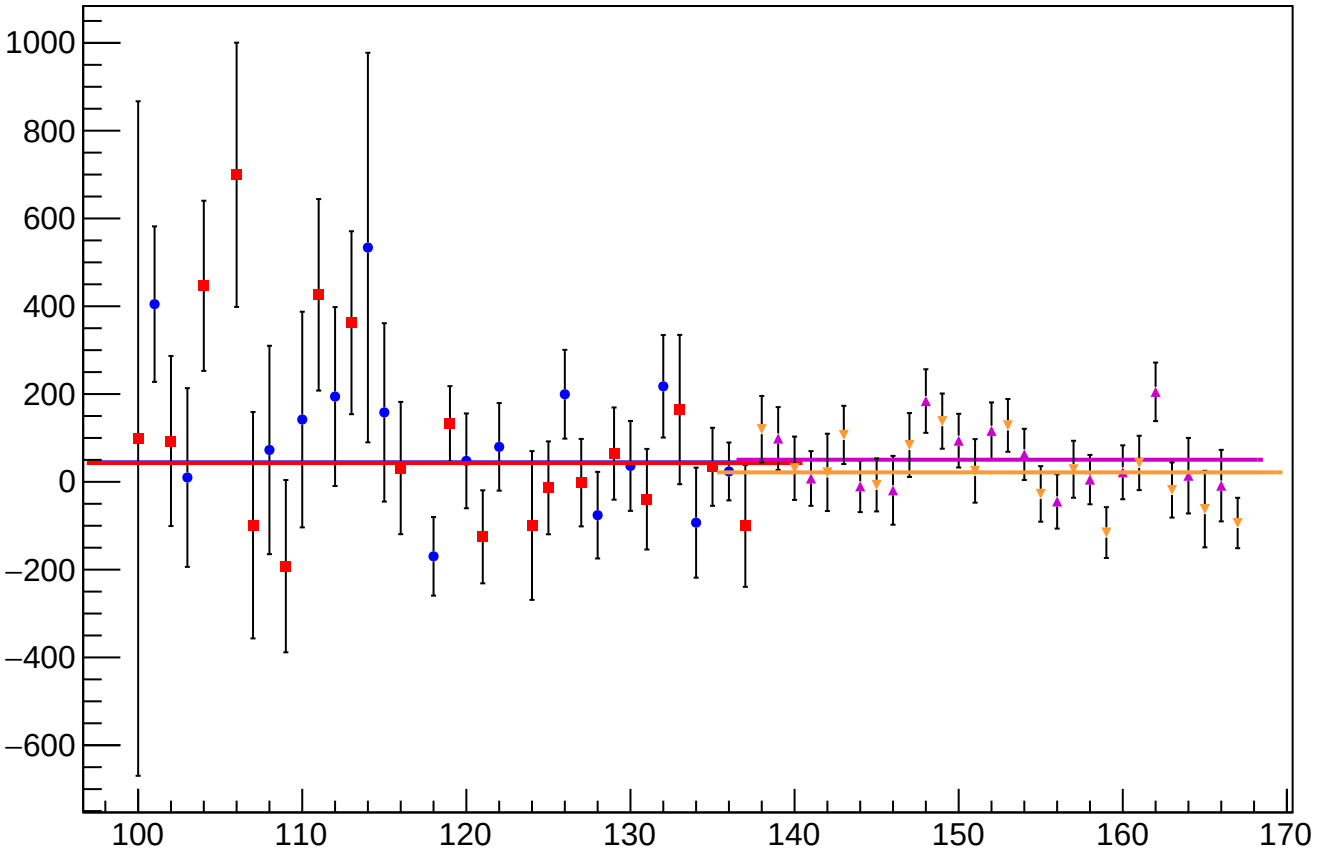
Left: 269.687+/-0.040 χ^2/NDF: 2095220.1/29

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 303.919+/-0.055 χ^2/NDF:6310555.1/29

Out: 300.899+/-0.053 χ^2/NDF:7302661.8/34

All: 302.350+/-0.038 χ^2/NDF: 13614800.7/64



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 21.632+/-16.573 χ^2/NDF:22.6/15

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 50.431+/-17.542 χ^2/NDF:17.1/13

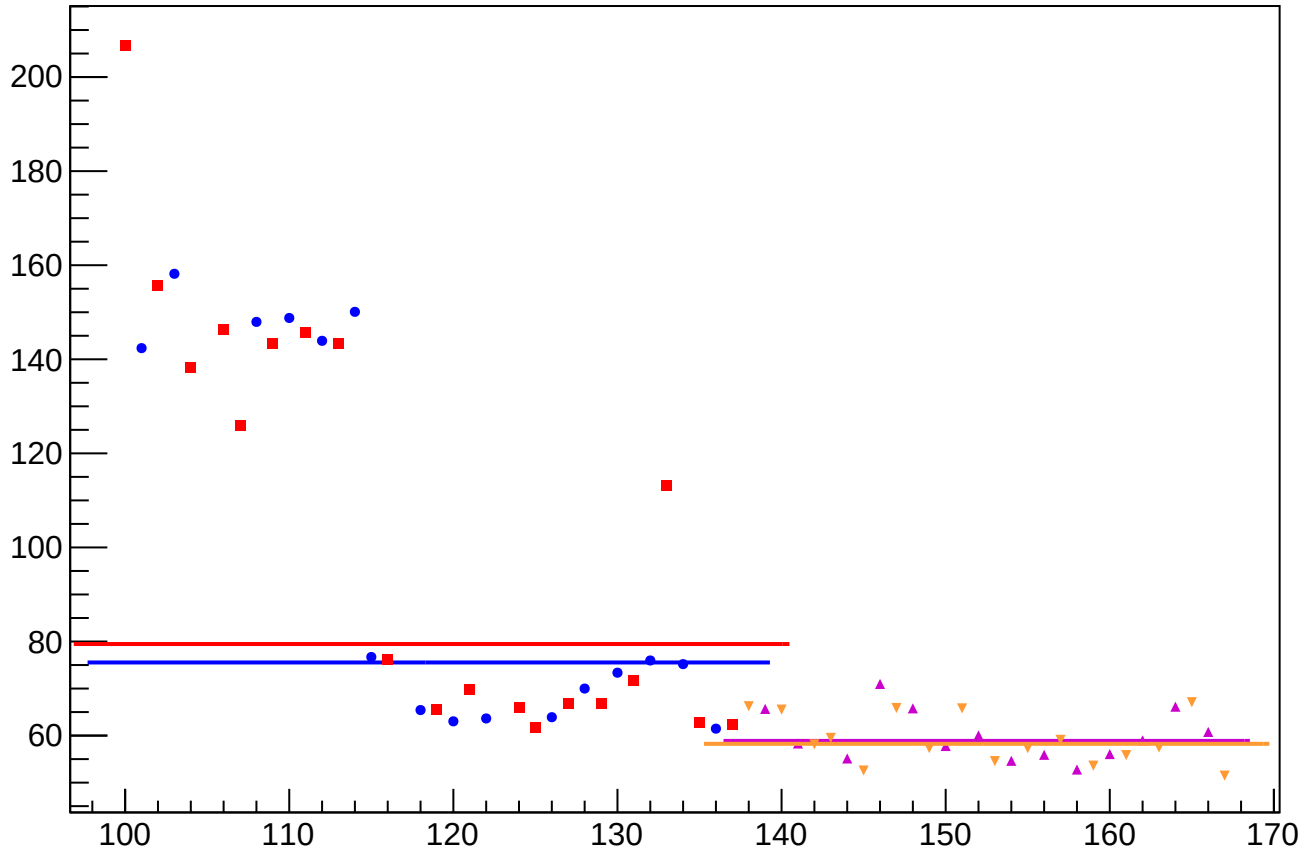
Left: 35.214+/-12.047 χ^2/NDF: 41.1/29

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 48.884+/-15.131 χ^2/NDF:36.7/29

Out: 26.301+/-14.641 χ^2/NDF:46.3/34

All: 37.221+/-10.522 χ^2/NDF: 84.2/64



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.252+/-0.012 χ^2/NDF:177736.5/15

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.871+/-0.012 χ^2/NDF:151697.8/13

Left: 58.544+/-0.009 χ^2/NDF: 330747.1/29

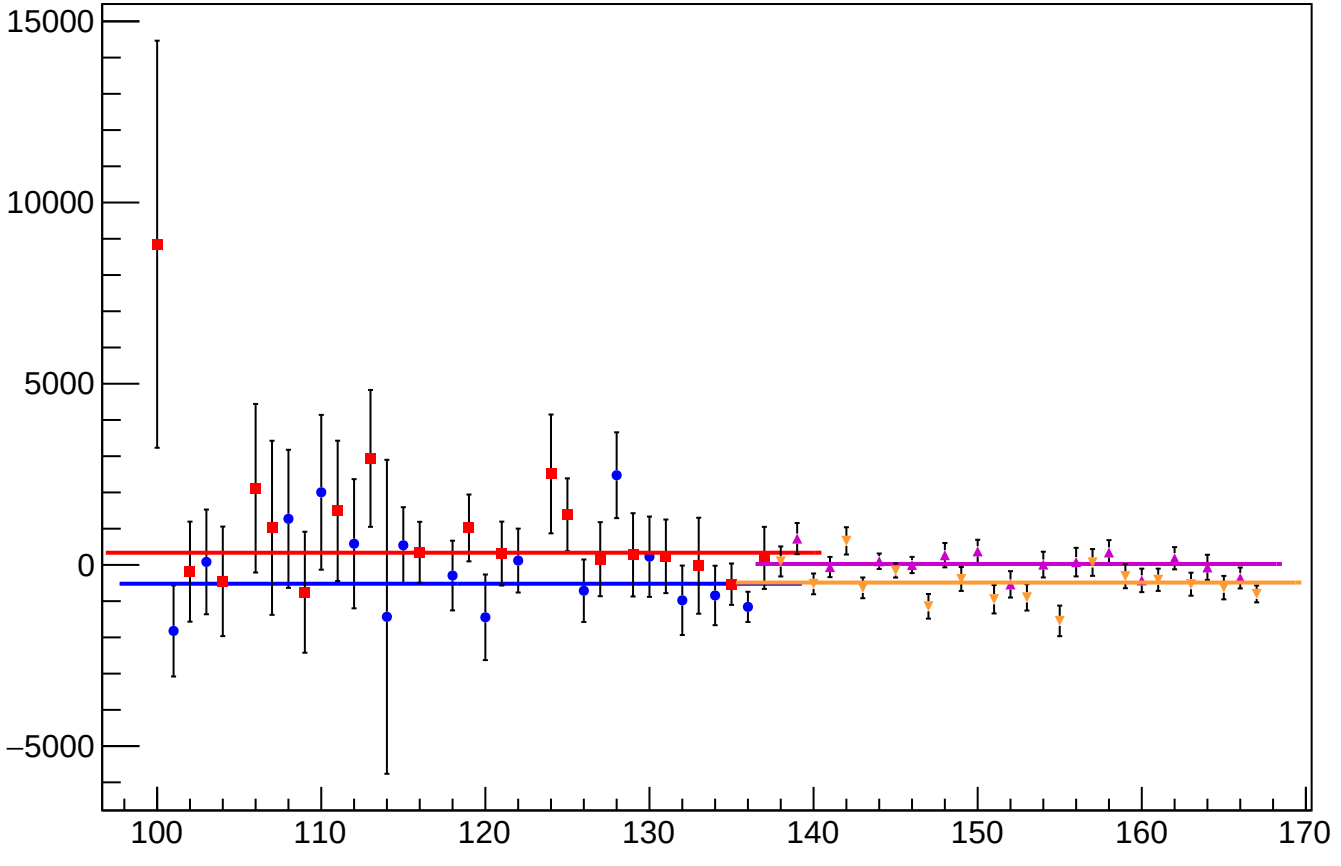
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 63.138+/-0.011 χ^2/NDF:2079711.7/29

Out: 62.909+/-0.010 χ^2/NDF:2580706.3/34

All: 63.020+/-0.007 χ^2/NDF: 4660655.0/64

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -486.404+/-77.735 χ^2/NDF:31.8/15

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 26.031+/-81.695 χ^2/NDF:12.0/13

Left: -242.908+/-56.315 χ^2/NDF: 64.4/29

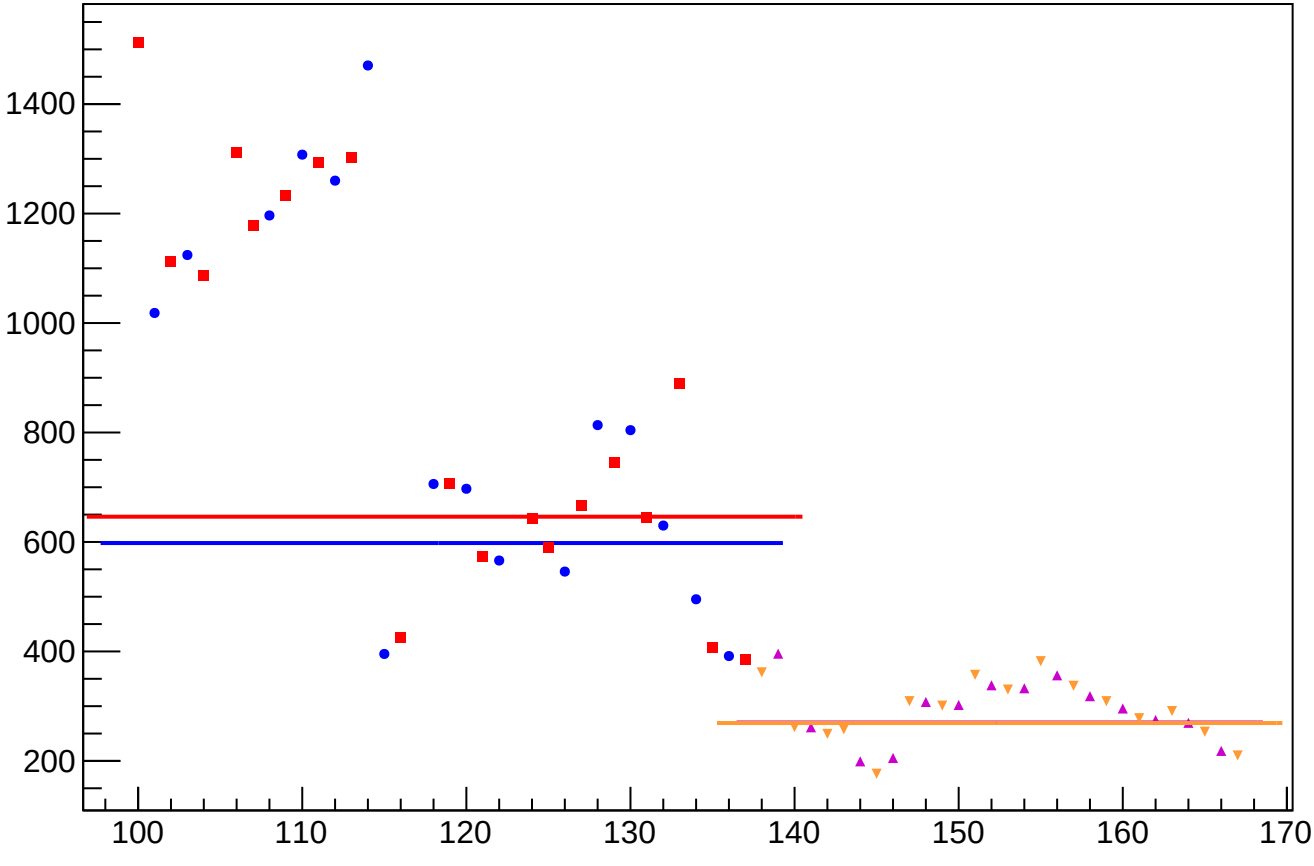
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -30.037+/-77.381 χ^2/NDF:32.4/29

Out: -417.221+/-74.396 χ^2/NDF:53.2/34

All: -231.240+/-53.630 χ^2/NDF: 98.5/64

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 269.214+/-0.055 χ^2/NDF:1143963.6/15

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 270.210+/-0.058 χ^2/NDF:951099.1/13

Left: 269.687+/-0.040 χ^2/NDF: 2095218.7/29

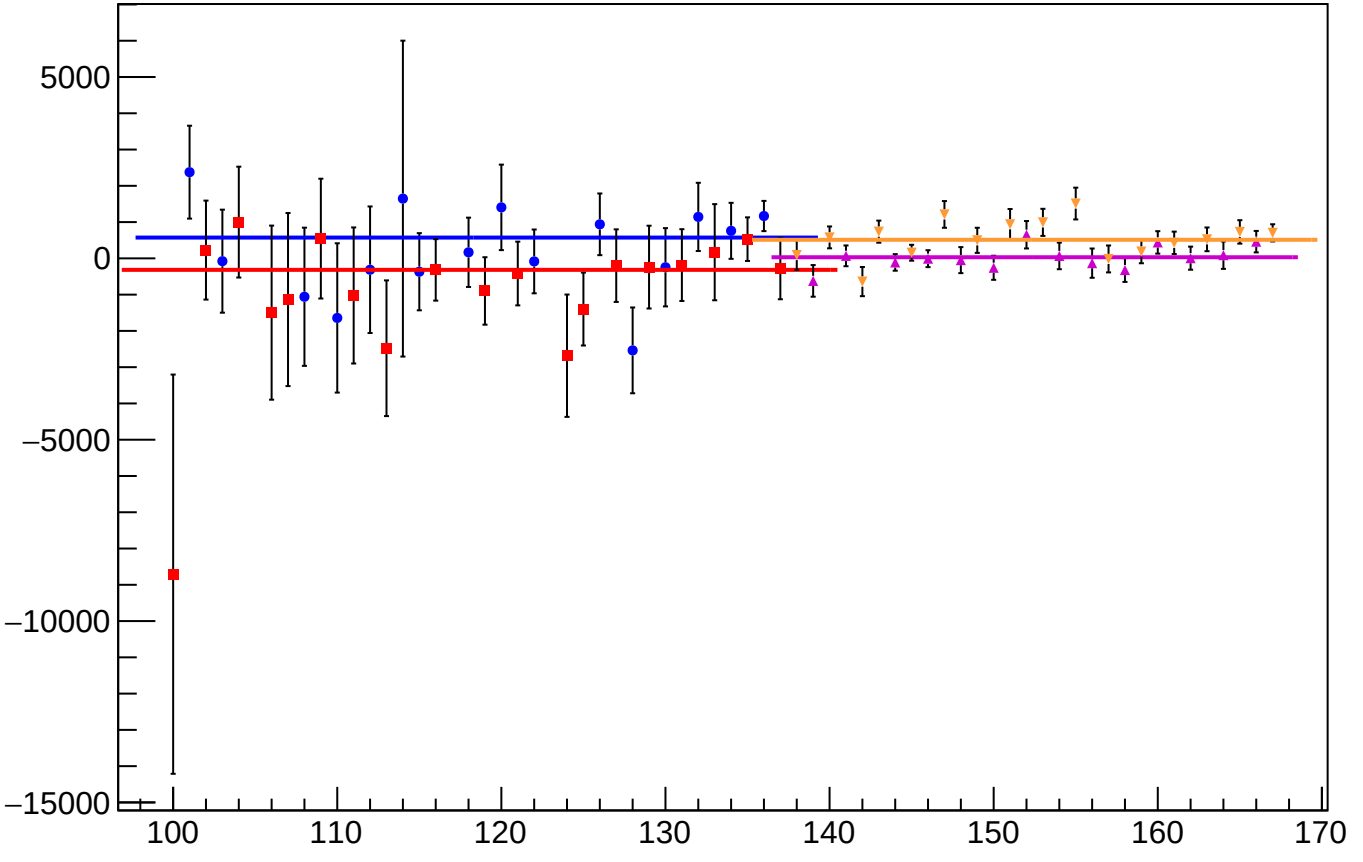
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 303.919+/-0.055 χ^2/NDF:6310536.9/29

Out: 300.898+/-0.053 χ^2/NDF:7302657.6/34

All: 302.349+/-0.038 χ^2/NDF: 13614778.4/64

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 511.769+/-80.948 χ^2/NDF:28.2/15

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: 30.863+/-84.388 χ^2/NDF:11.4/13

Left: 281.318+/-58.417 χ^2/NDF: 56.5/29

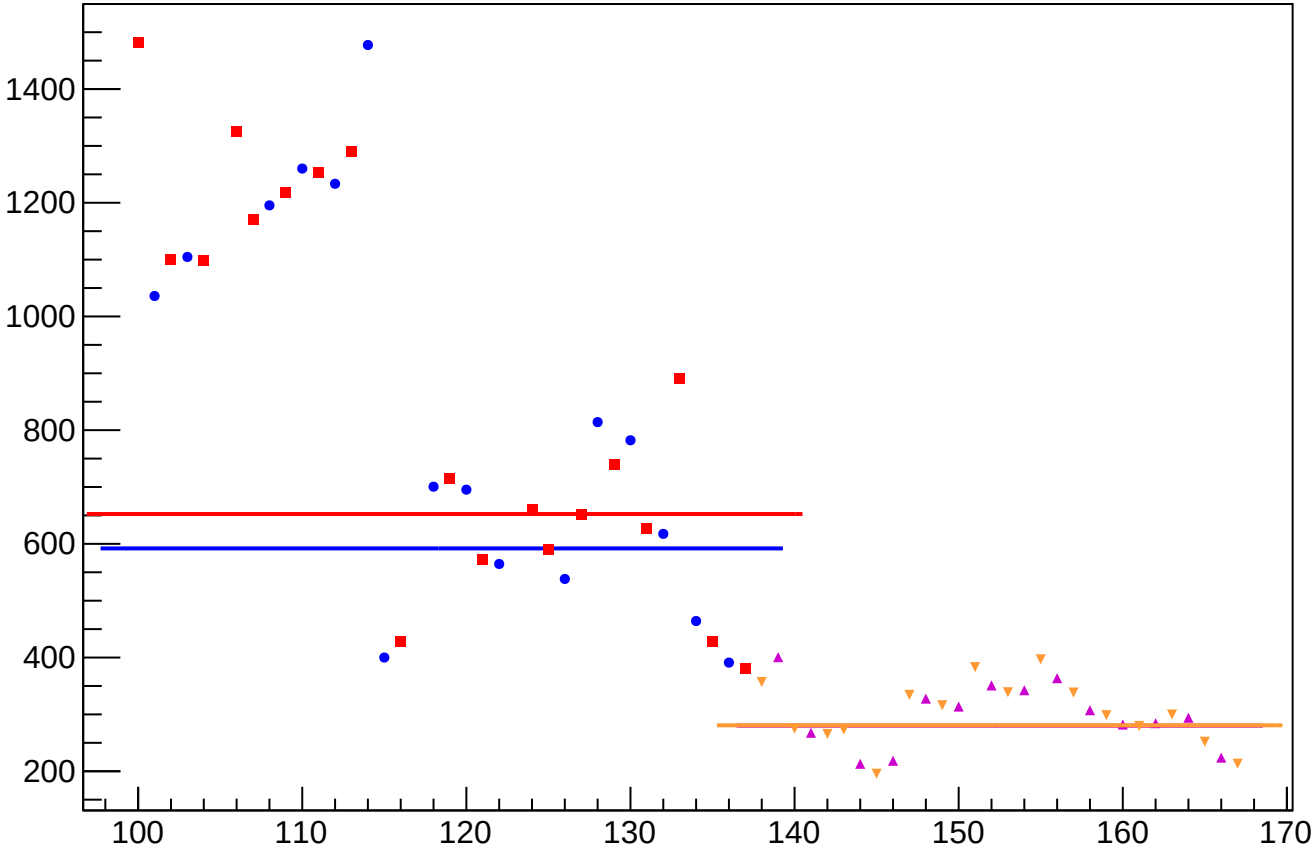
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 91.036+/-79.571 χ^2/NDF:32.5/29

Out: 437.636+/-77.242 χ^2/NDF:48.6/34

All: 269.482+/-55.423 χ^2/NDF: 90.9/64

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 280.797+/-0.057 χ^2/NDF:985621.9/15

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 280.121+/-0.060 χ^2/NDF:826970.4/13

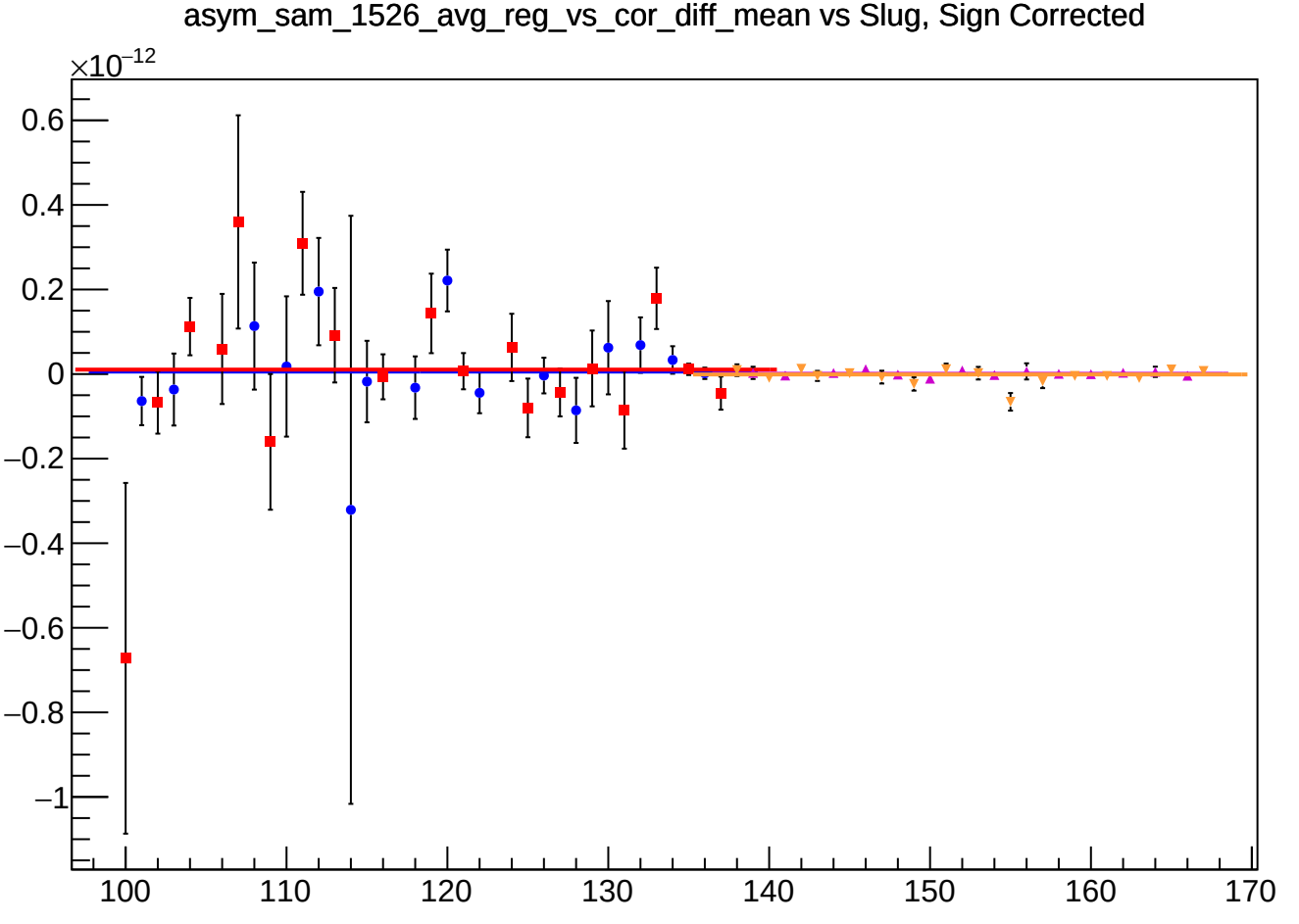
Left: 280.473+/-0.041 χ^2/NDF: 1812659.2/29

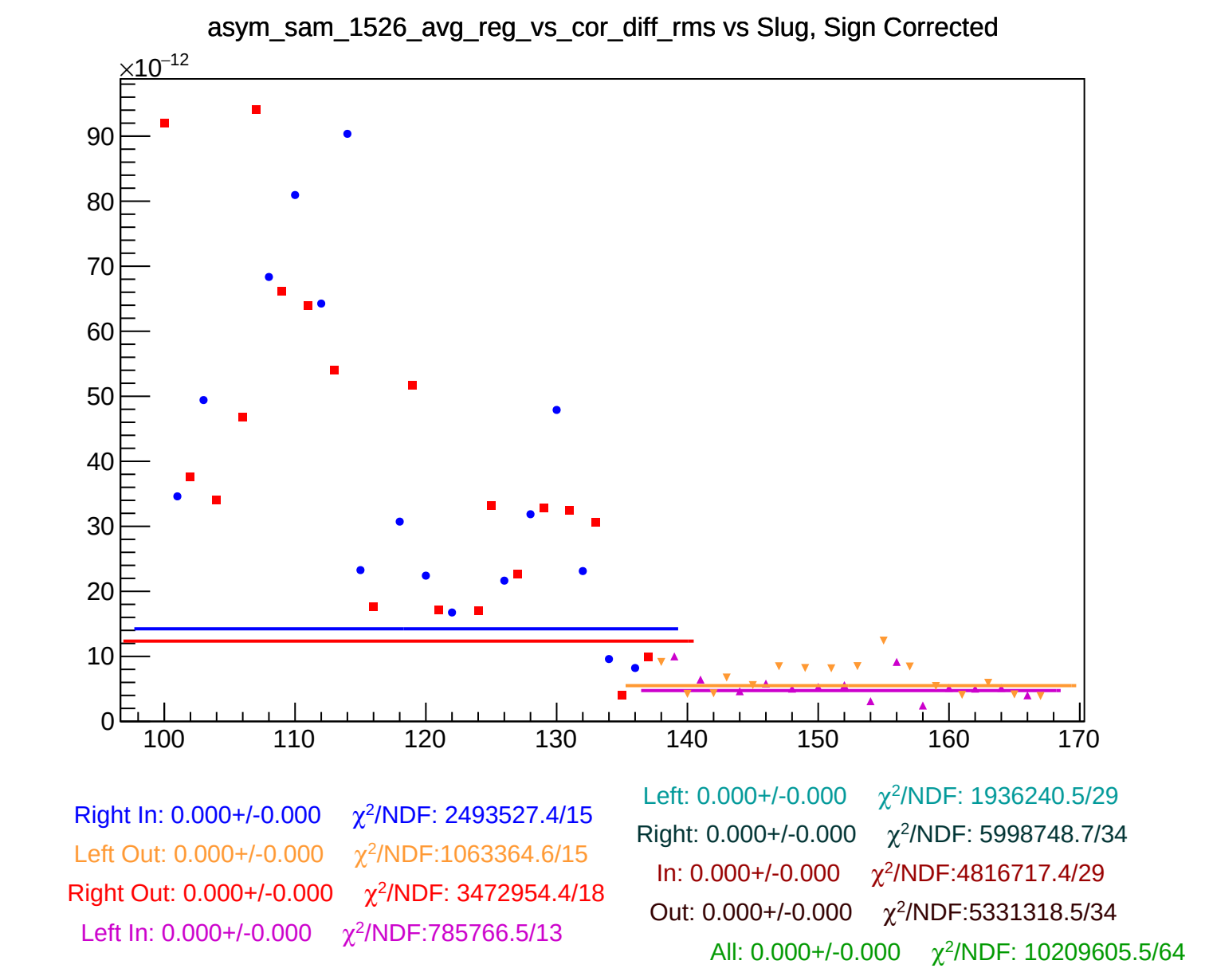
Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

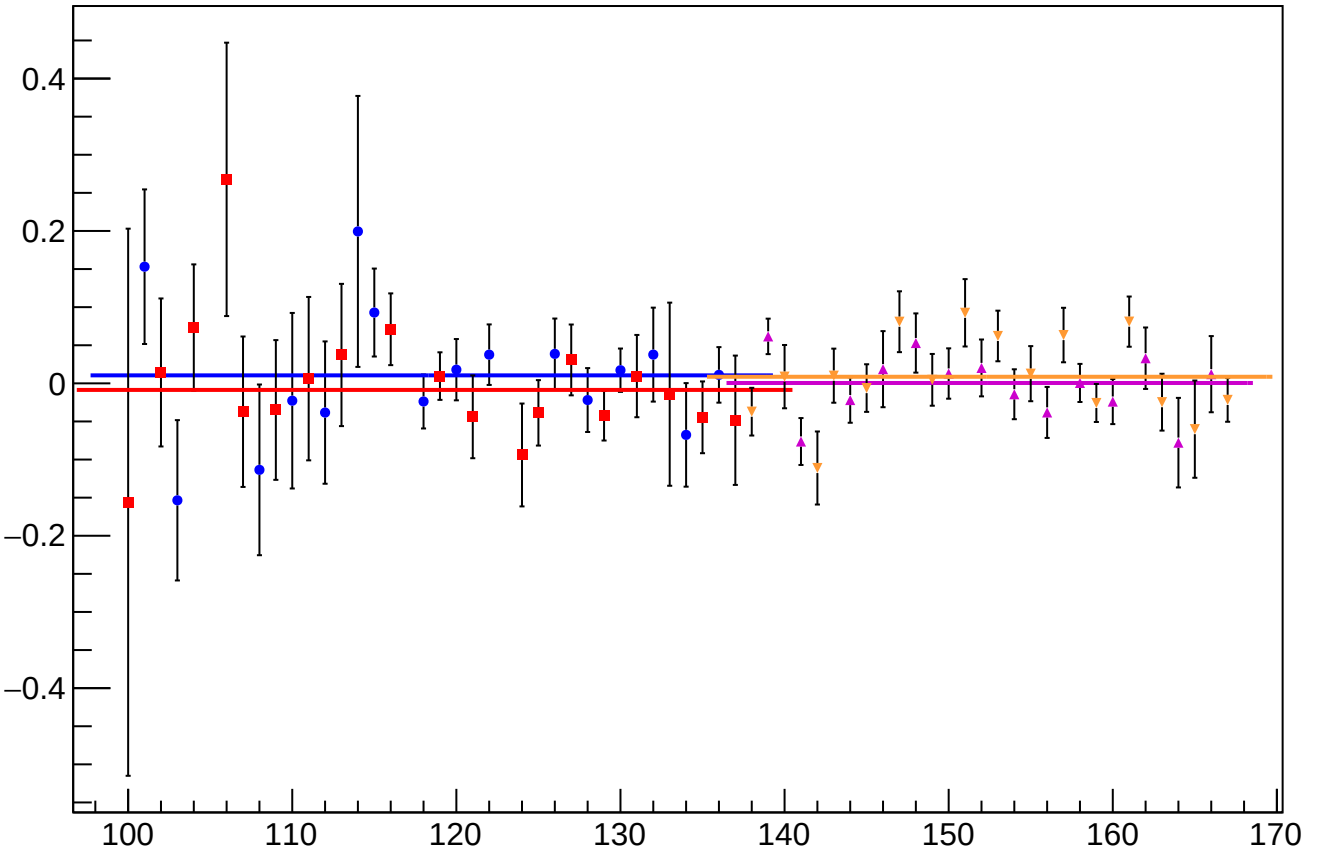
In: 314.711+/-0.056 χ^2/NDF:5892117.9/29

Out: 314.049+/-0.055 χ^2/NDF:6847672.9/34

All: 314.370+/-0.039 χ^2/NDF: 12739862.0/64


asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.2/15
Left Out: -0.000+/-0.000 χ²/NDF:21.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/18
Left In: 0.000+/-0.000 χ²/NDF:4.1/13
Left: -0.000+/-0.000 χ²/NDF: 25.7/29
Right: 0.000+/-0.000 χ²/NDF: 47.8/34
In: 0.000+/-0.000 χ²/NDF:22.5/29
Out: -0.000+/-0.000 χ²/NDF:52.0/34
All: 0.000+/-0.000 χ²/NDF: 74.7/64


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1063364.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:785766.5/13
Left: 0.000+/-0.000 χ²/NDF: 1936240.5/29
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:4816717.4/29
Out: 0.000+/-0.000 χ²/NDF:5331318.5/34
All: 0.000+/-0.000 χ²/NDF: 10209605.5/64



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.009+/-0.009 χ^2/NDF:30.3/15

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.8/13

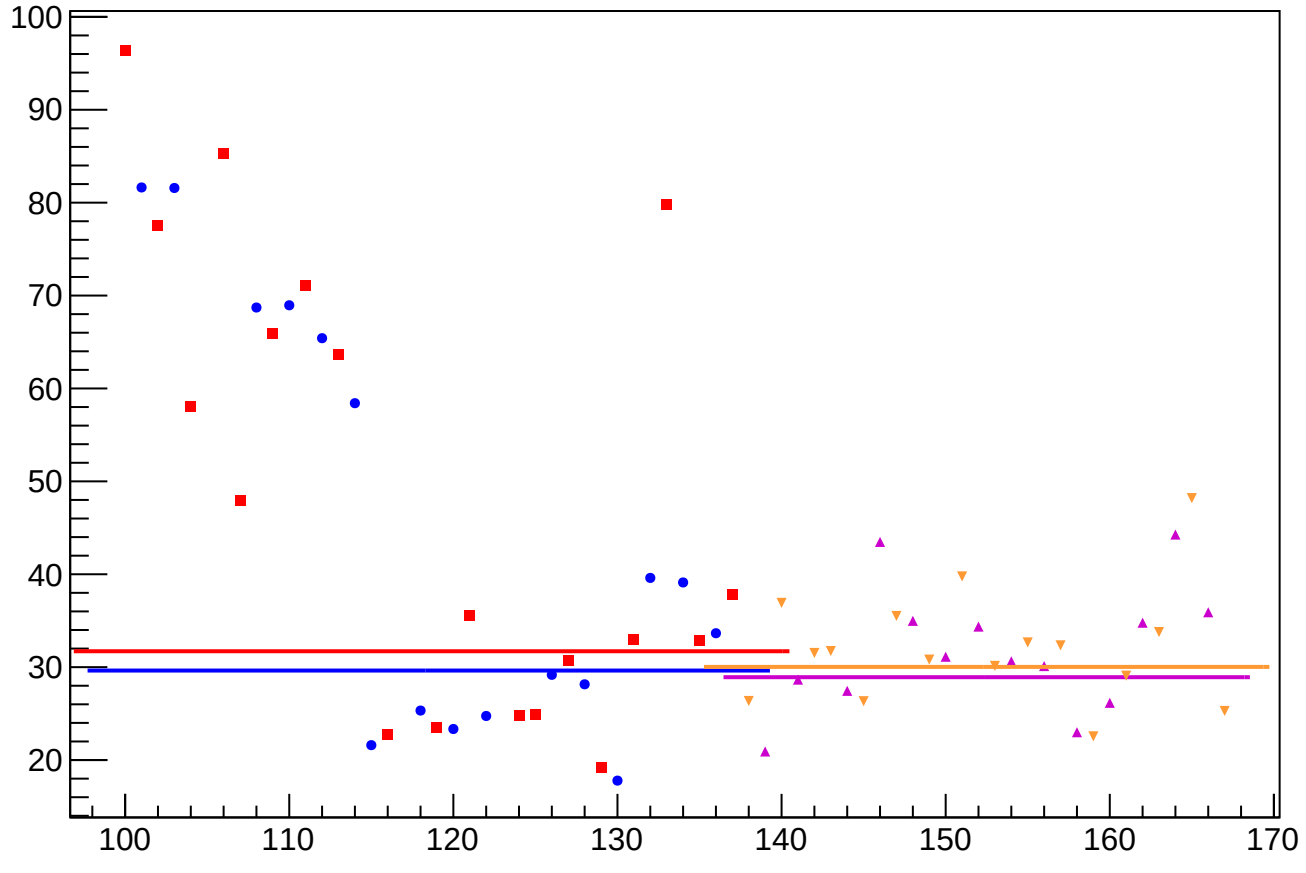
Left: 0.005+/-0.006 χ^2/NDF: 51.5/29

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/29

Out: 0.003+/-0.007 χ^2/NDF:43.9/34

All: 0.004+/-0.005 χ^2/NDF: 78.2/64



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.027+/-0.006 χ^2/NDF:690474.5/15

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.919+/-0.006 χ^2/NDF:867069.5/13

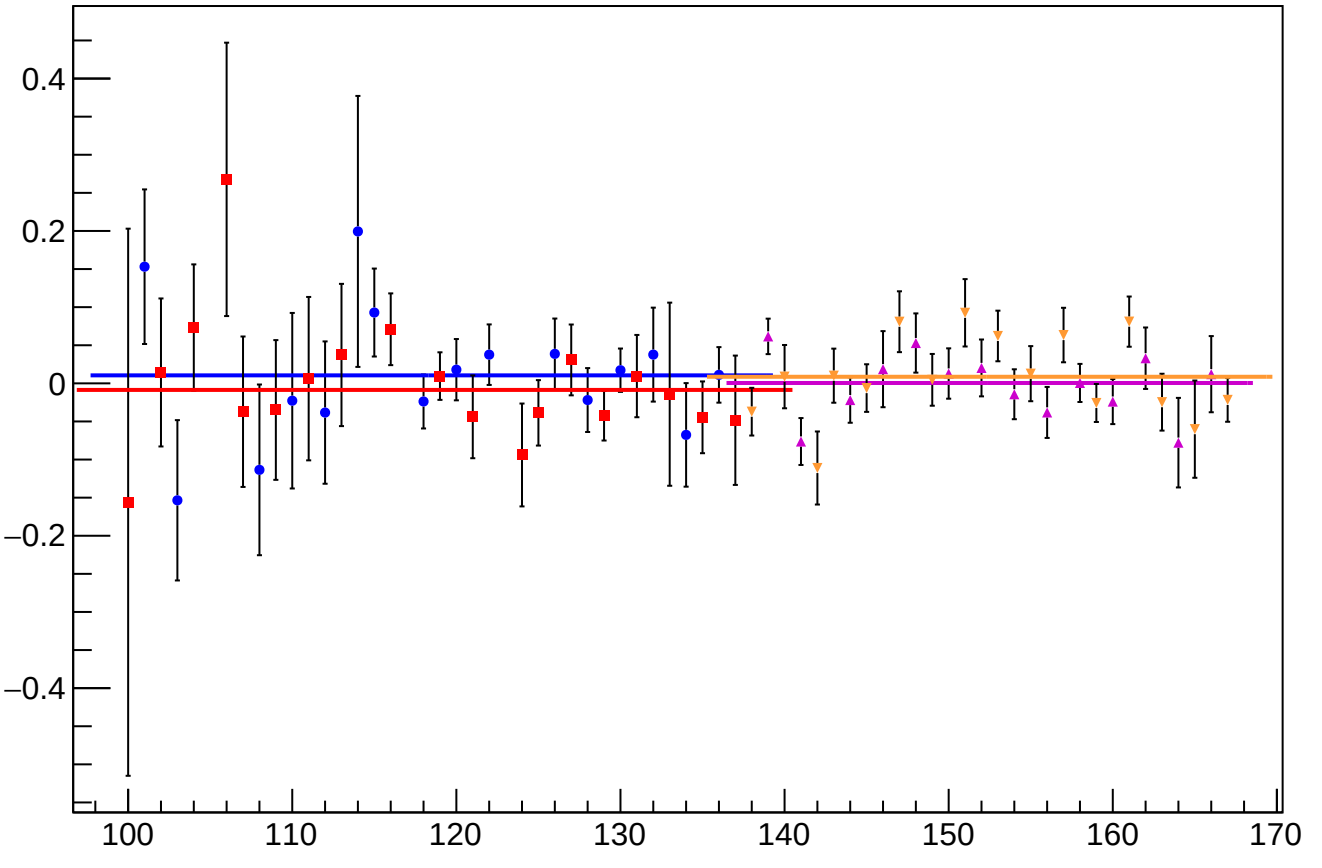
Left: 29.482+/-0.004 χ^2/NDF: 1573252.9/29

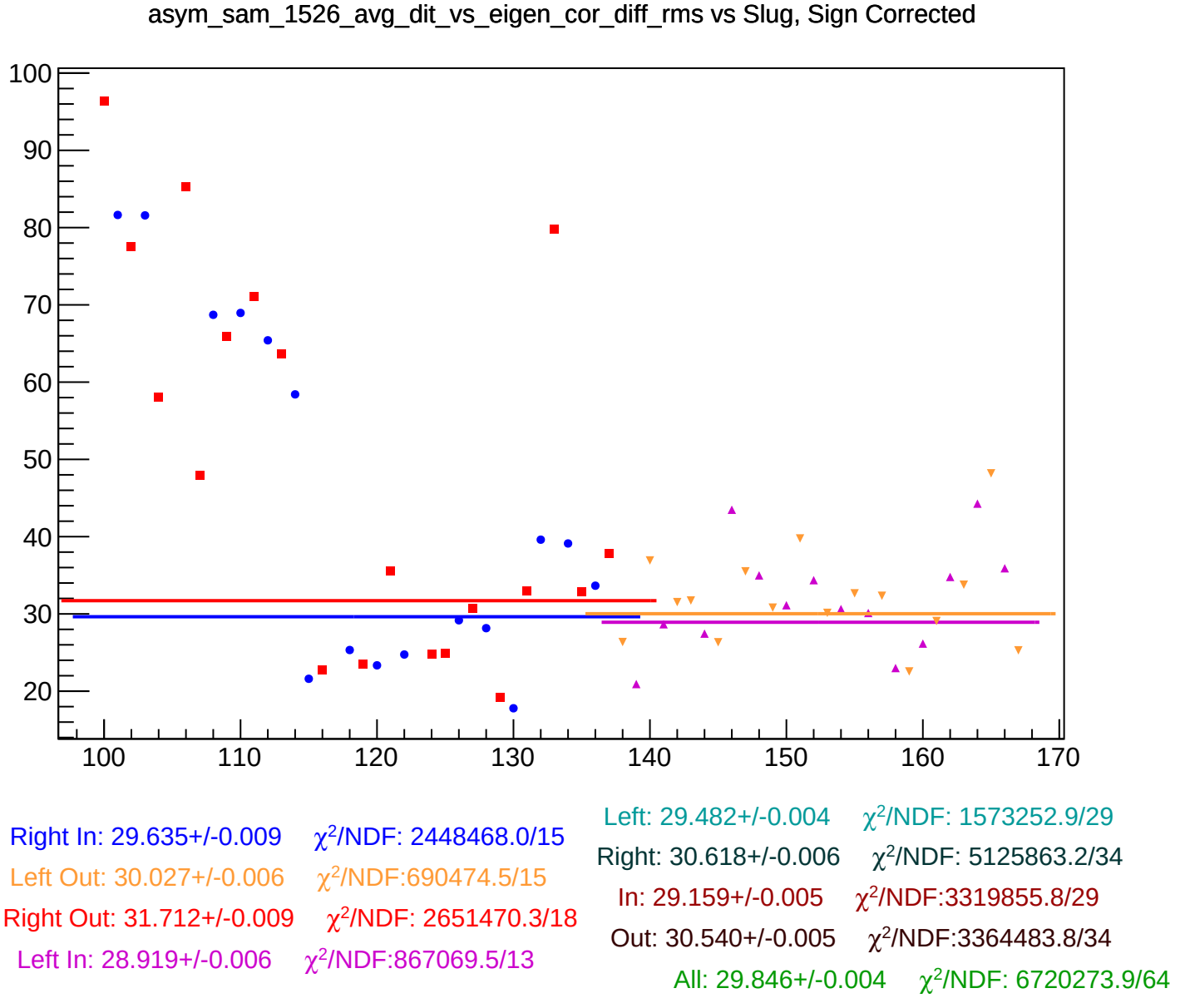
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

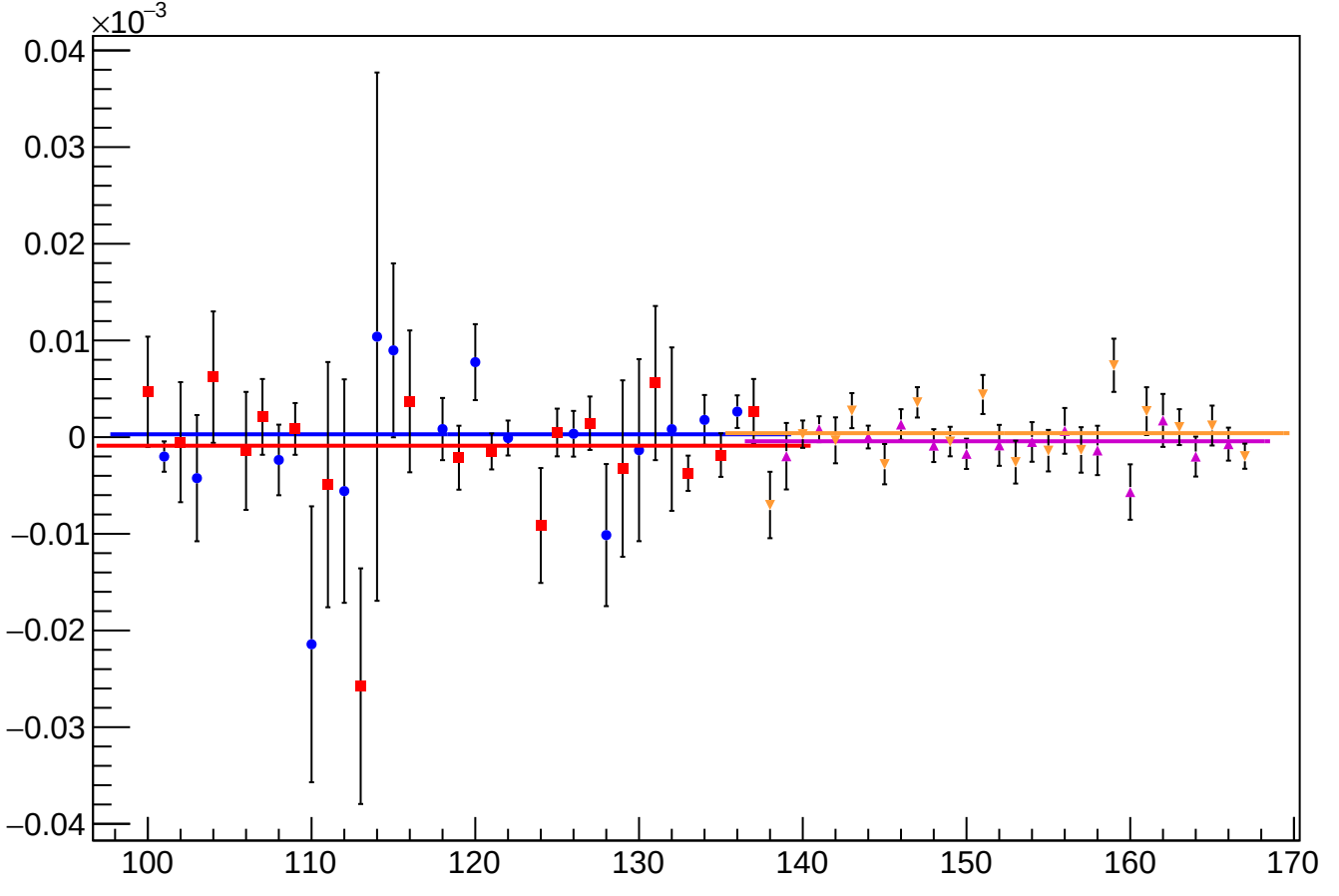
In: 29.159+/-0.005 χ^2/NDF:3319855.8/29

Out: 30.540+/-0.005 χ^2/NDF:3364483.8/34

All: 29.846+/-0.004 χ^2/NDF: 6720273.9/64


asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.009+/-0.009 χ²/NDF:30.3/15
Right Out: -0.009+/-0.013 χ²/NDF: 12.4/18
Left In: 0.000+/-0.009 χ²/NDF:20.8/13
Left: 0.005+/-0.006 χ²/NDF: 51.5/29
Right: 0.001+/-0.009 χ²/NDF: 26.7/34
In: 0.004+/-0.007 χ²/NDF:34.3/29
Out: 0.003+/-0.007 χ²/NDF:43.9/34
All: 0.004+/-0.005 χ²/NDF: 78.2/64


asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 29.635+/-0.009 χ²/NDF: 2448468.0/15
Left Out: 30.027+/-0.006 χ²/NDF:690474.5/15
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 28.919+/-0.006 χ²/NDF:867069.5/13
Left: 29.482+/-0.004 χ²/NDF: 1573252.9/29
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 29.159+/-0.005 χ²/NDF:3319855.8/29
Out: 30.540+/-0.005 χ²/NDF:3364483.8/34
All: 29.846+/-0.004 χ²/NDF: 6720273.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/13

Left: 0.000+/-0.000 χ^2/NDF: 40.9/29

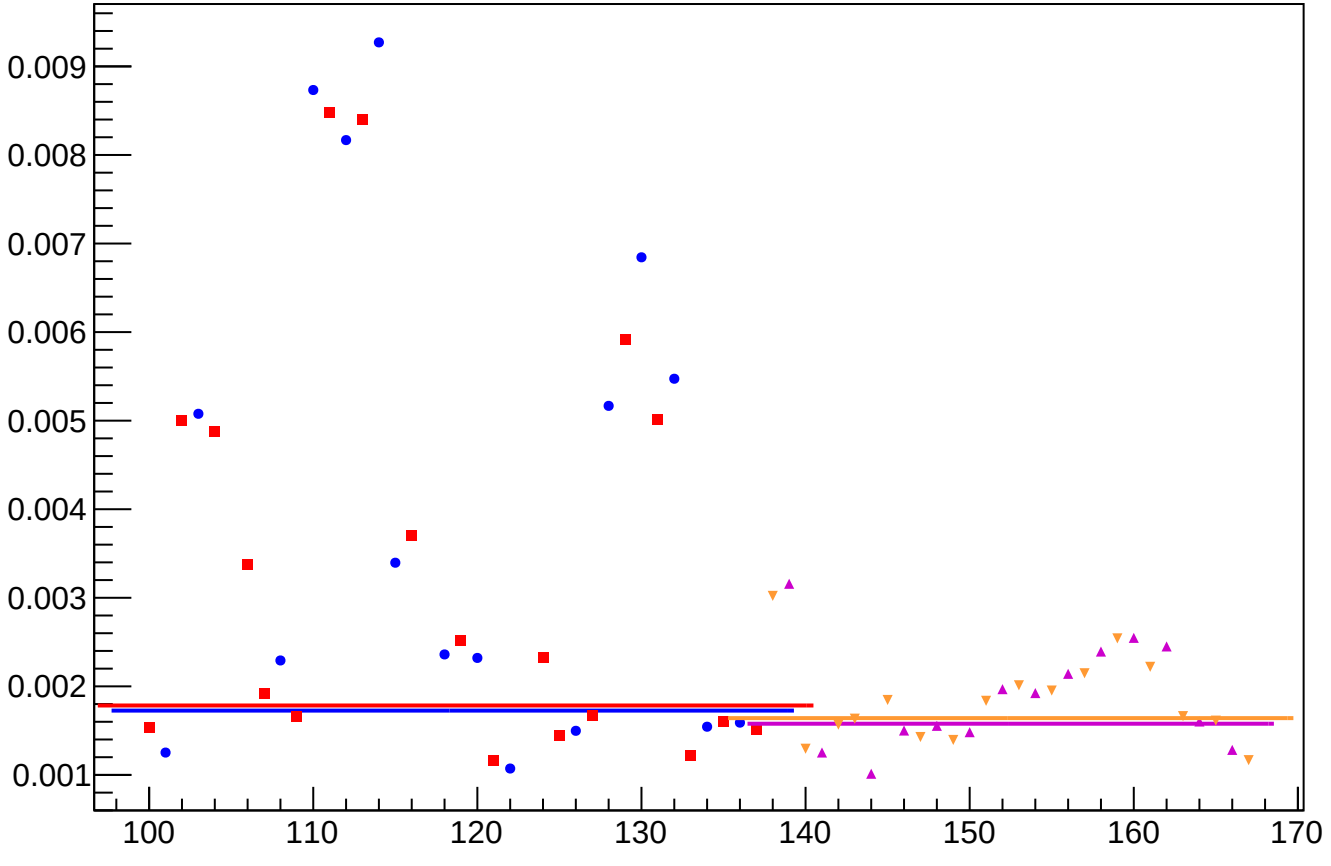
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:23.6/29

Out: 0.000+/-0.000 χ^2/NDF:48.6/34

All: -0.000+/-0.000 χ^2/NDF: 72.4/64

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1353446.4/15

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1948963.7/13

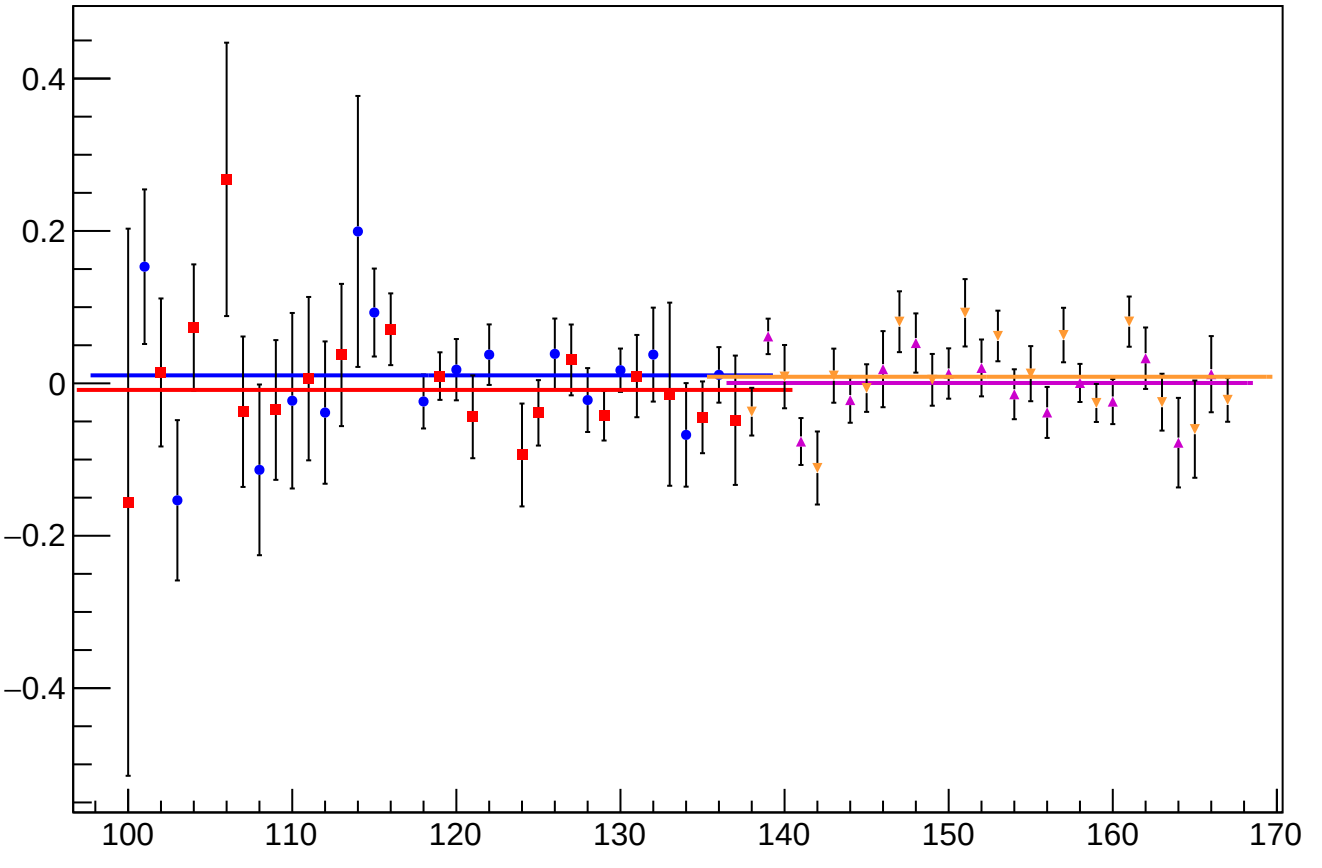
Left: 0.002+/-0.000 χ^2/NDF: 3319399.2/29

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5934643.4/29

Out: 0.002+/-0.000 χ^2/NDF:5121287.0/34

All: 0.002+/-0.000 χ^2/NDF: 11076526.9/64



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.009+/-0.009 χ^2/NDF:30.3/15

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.8/13

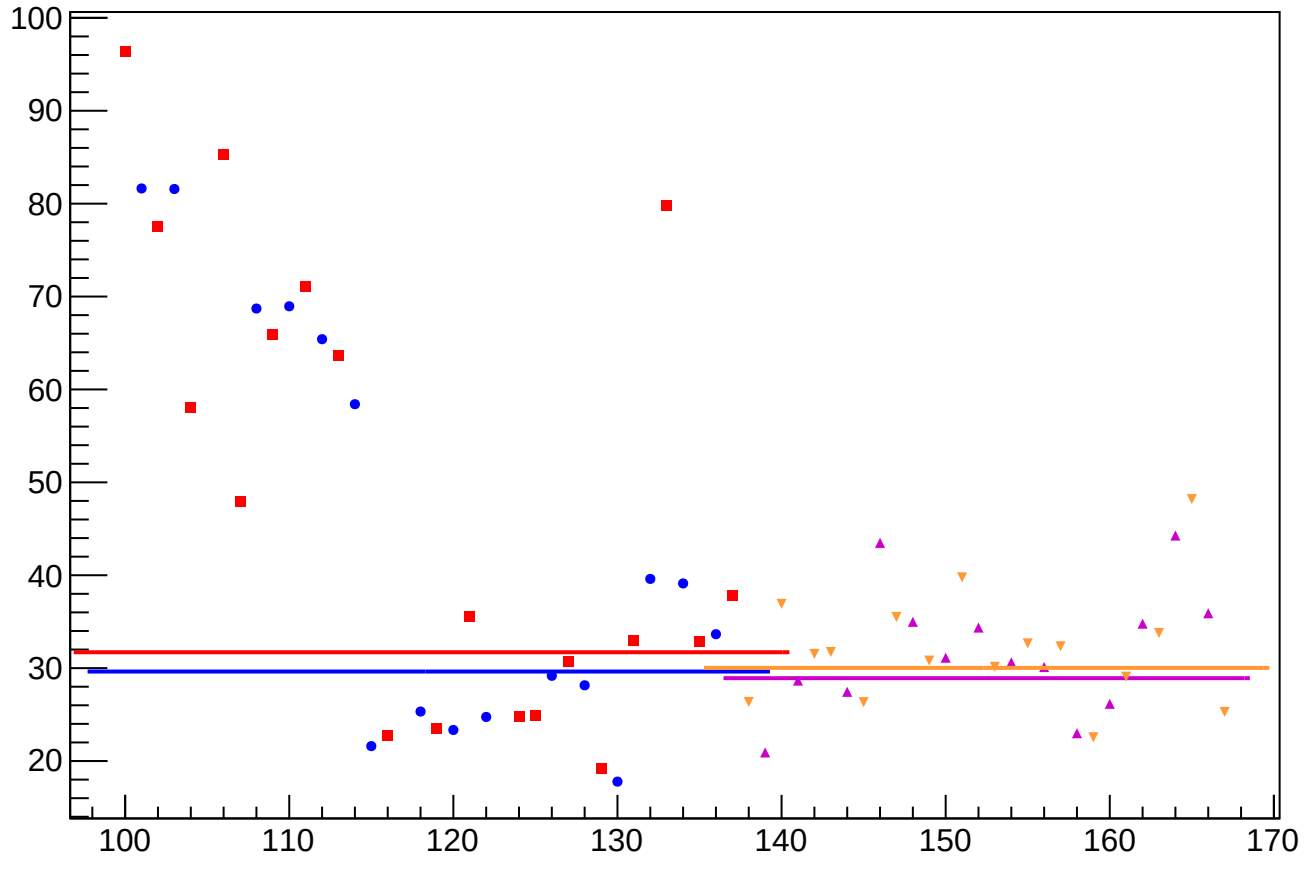
Left: 0.005+/-0.006 χ^2/NDF: 51.5/29

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/29

Out: 0.003+/-0.007 χ^2/NDF:43.9/34

All: 0.004+/-0.005 χ^2/NDF: 78.2/64



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.027+/-0.006 χ^2/NDF:690486.0/15

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.919+/-0.006 χ^2/NDF:867101.2/13

Left: 29.482+/-0.004 χ^2/NDF: 1573294.7/29

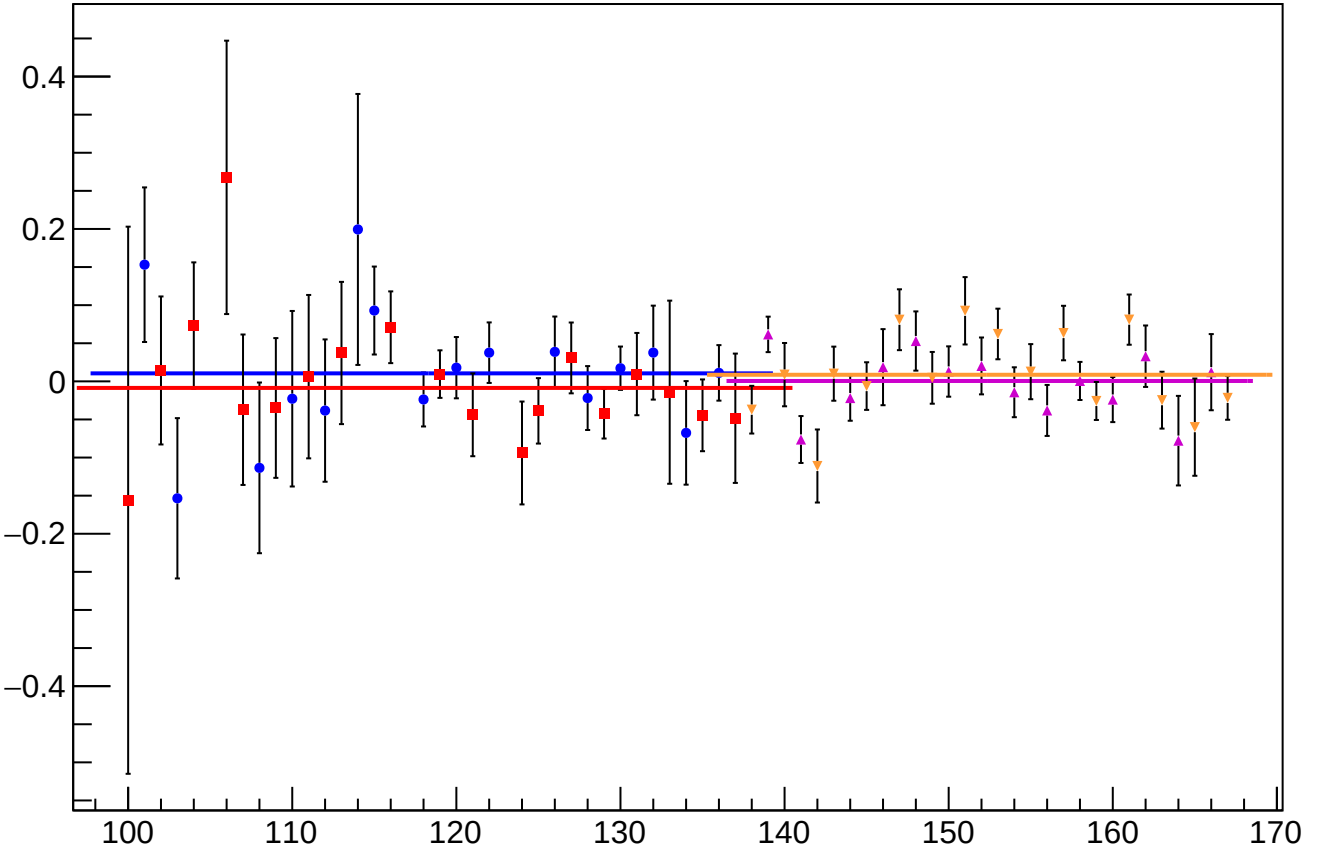
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.158+/-0.005 χ^2/NDF:3320071.5/29

Out: 30.540+/-0.005 χ^2/NDF:3364623.4/34

All: 29.845+/-0.004 χ^2/NDF: 6720630.9/64

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.009+/-0.009 χ^2/NDF:30.3/15

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.8/13

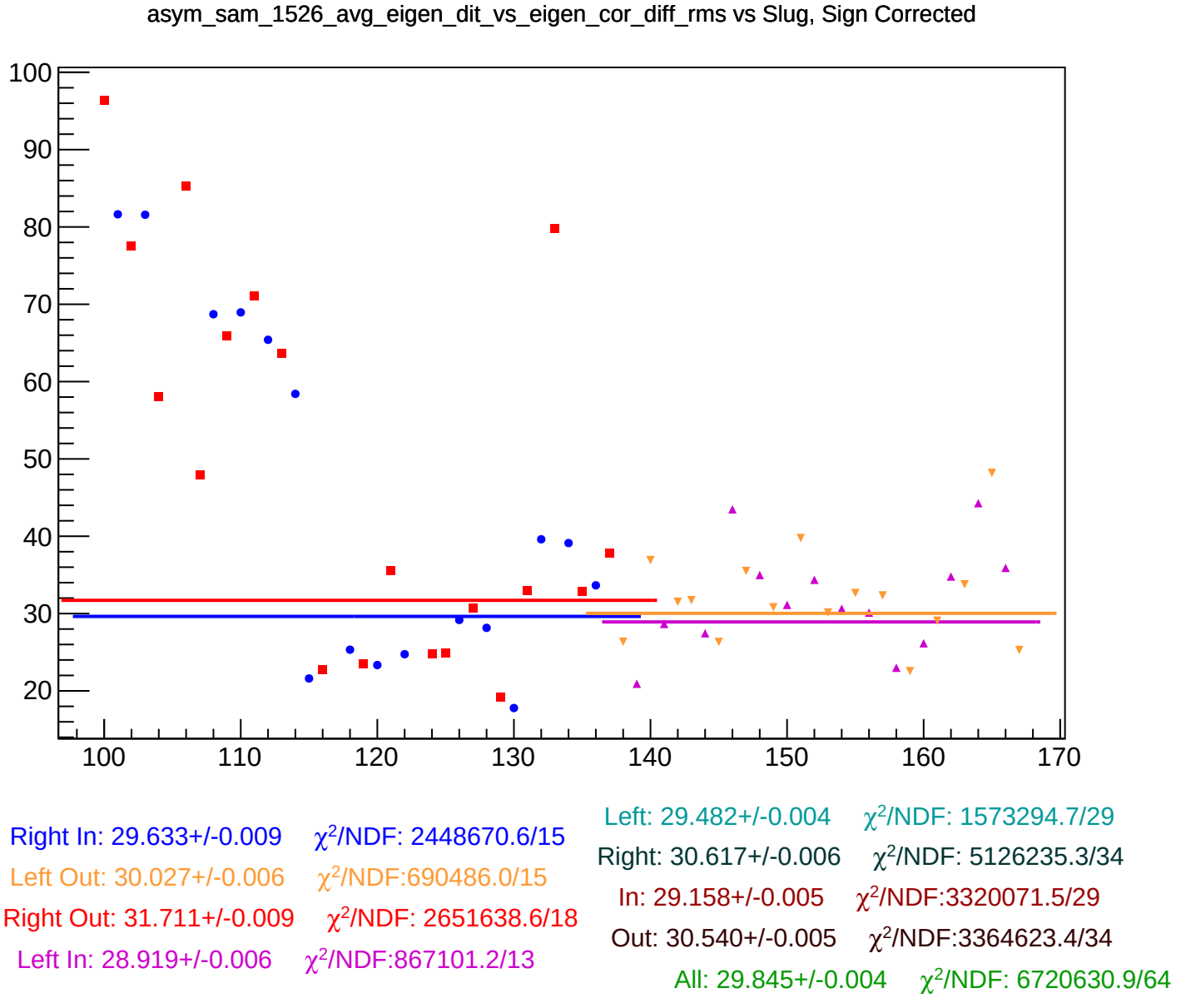
Left: 0.005+/-0.006 χ^2/NDF: 51.5/29

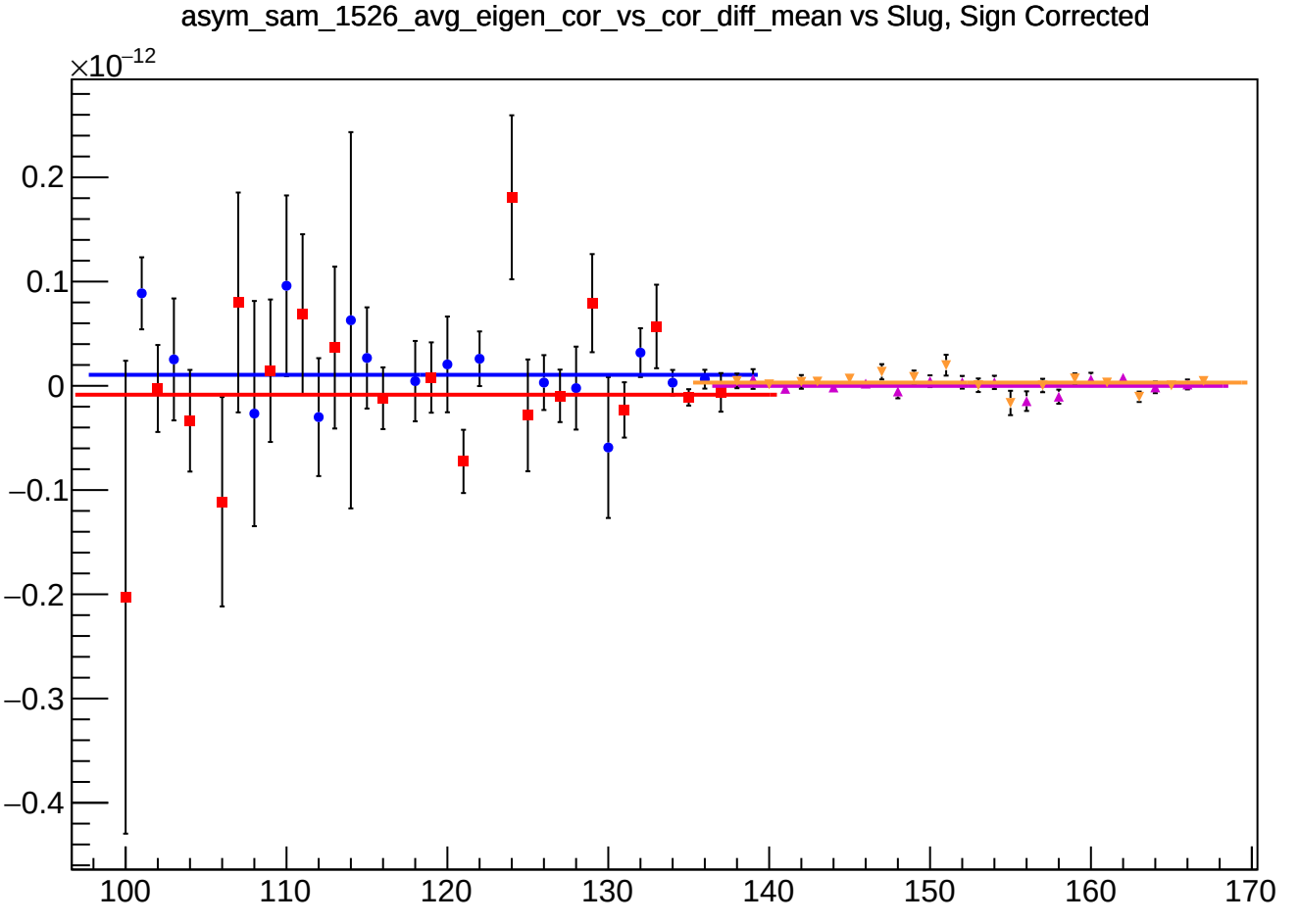
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/29

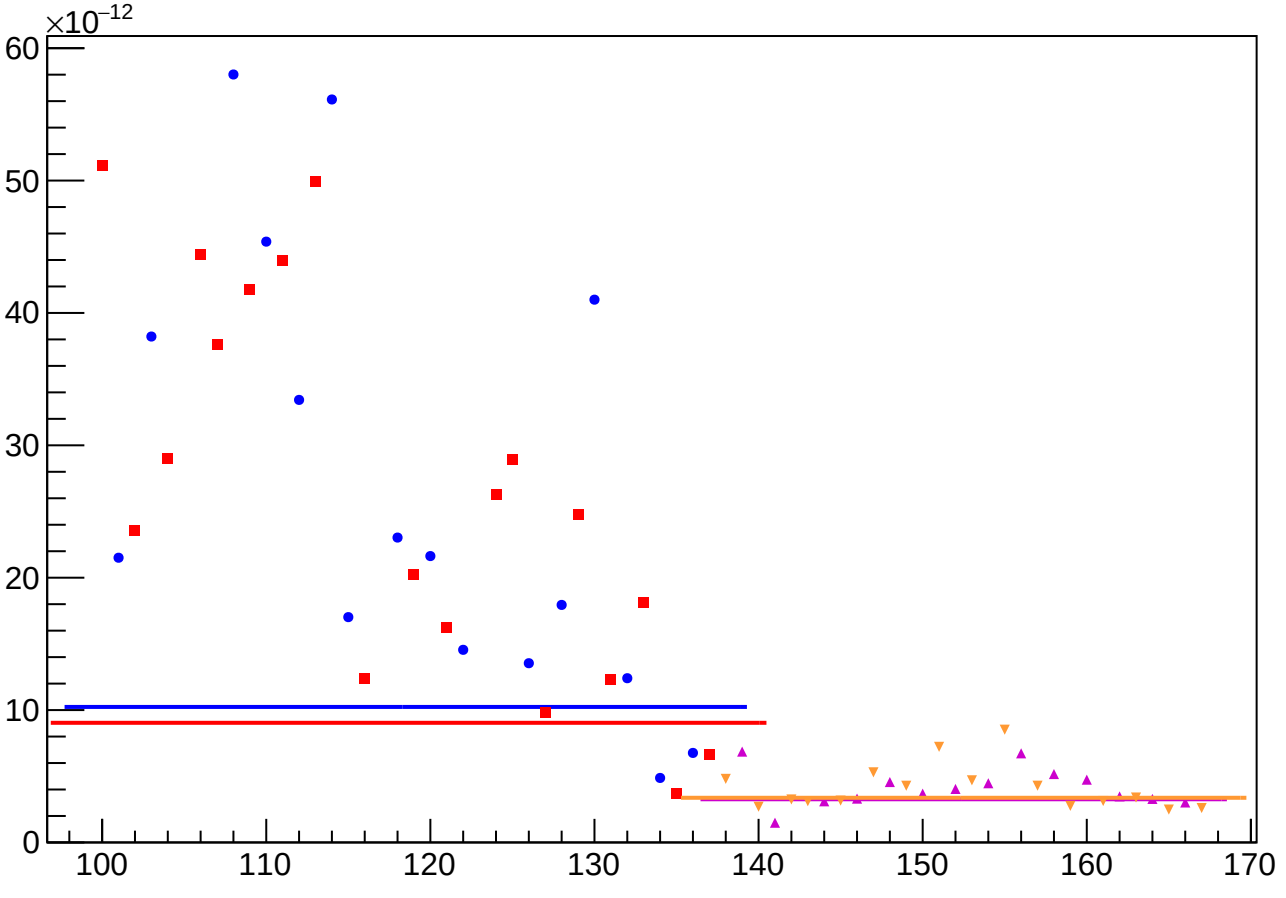
Out: 0.003+/-0.007 χ^2/NDF:43.9/34

All: 0.004+/-0.005 χ^2/NDF: 78.2/64


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 30.027+/-0.006 χ²/NDF:690486.0/15
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 28.919+/-0.006 χ²/NDF:867101.2/13
Left: 29.482+/-0.004 χ²/NDF: 1573294.7/29
Right: 30.617+/-0.006 χ²/NDF: 5126235.3/34
In: 29.158+/-0.005 χ²/NDF:3320071.5/29
Out: 30.540+/-0.005 χ²/NDF:3364623.4/34
All: 29.845+/-0.004 χ²/NDF: 6720630.9/64


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:18.5/15
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:12.3/13
Left: 0.000+/-0.000 χ²/NDF: 33.6/29
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:25.3/29
Out: 0.000+/-0.000 χ²/NDF:43.6/34
All: 0.000+/-0.000 χ²/NDF: 70.3/64

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1361446.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1894856.1/13

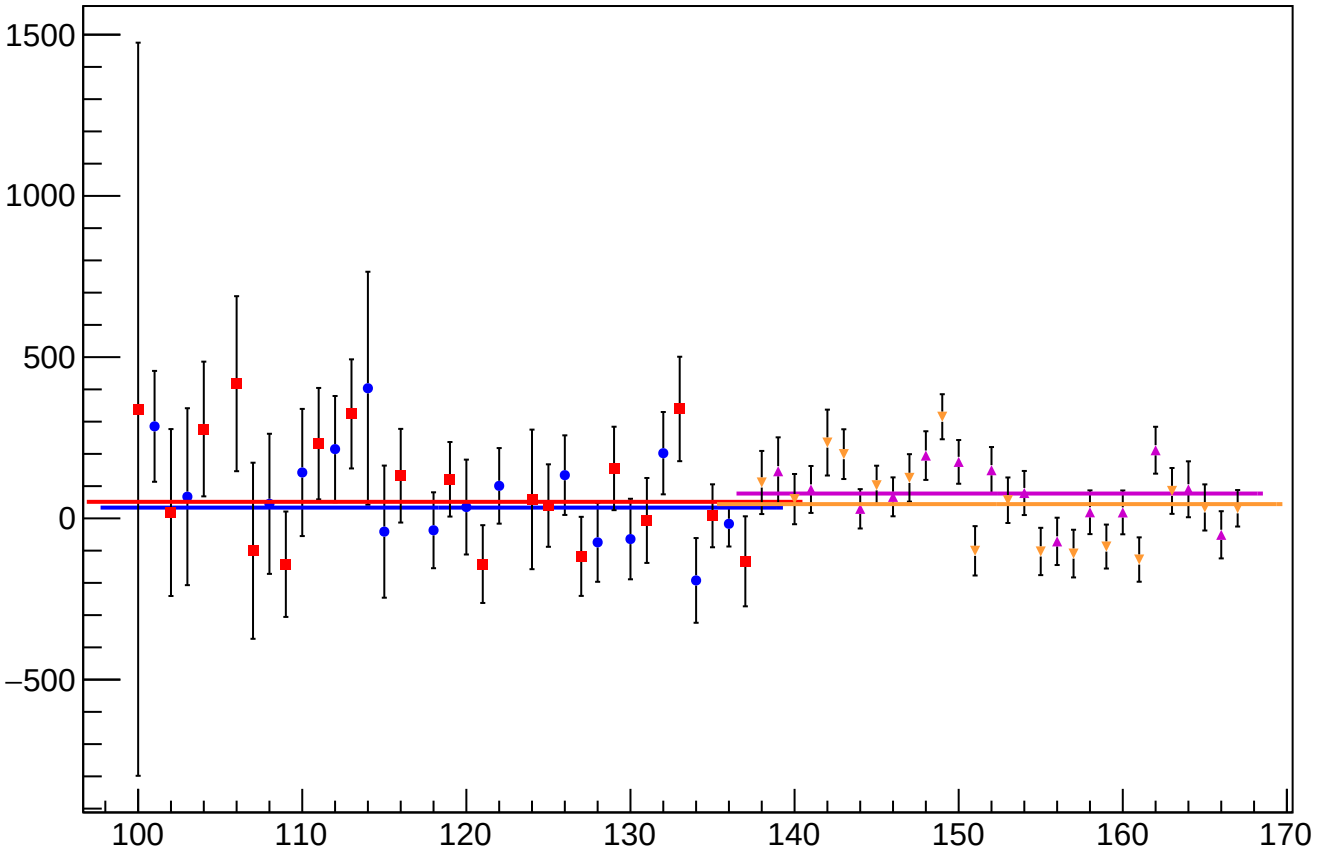
Left: 0.000+/-0.000 χ^2/NDF: 3263497.8/29

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7980911.2/29

Out: 0.000+/-0.000 χ^2/NDF:7620251.7/34

All: 0.000+/-0.000 χ^2/NDF: 15601869.6/64



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 44.237+/-18.059 χ^2/NDF:47.5/15

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 77.035+/-19.060 χ^2/NDF:18.7/13

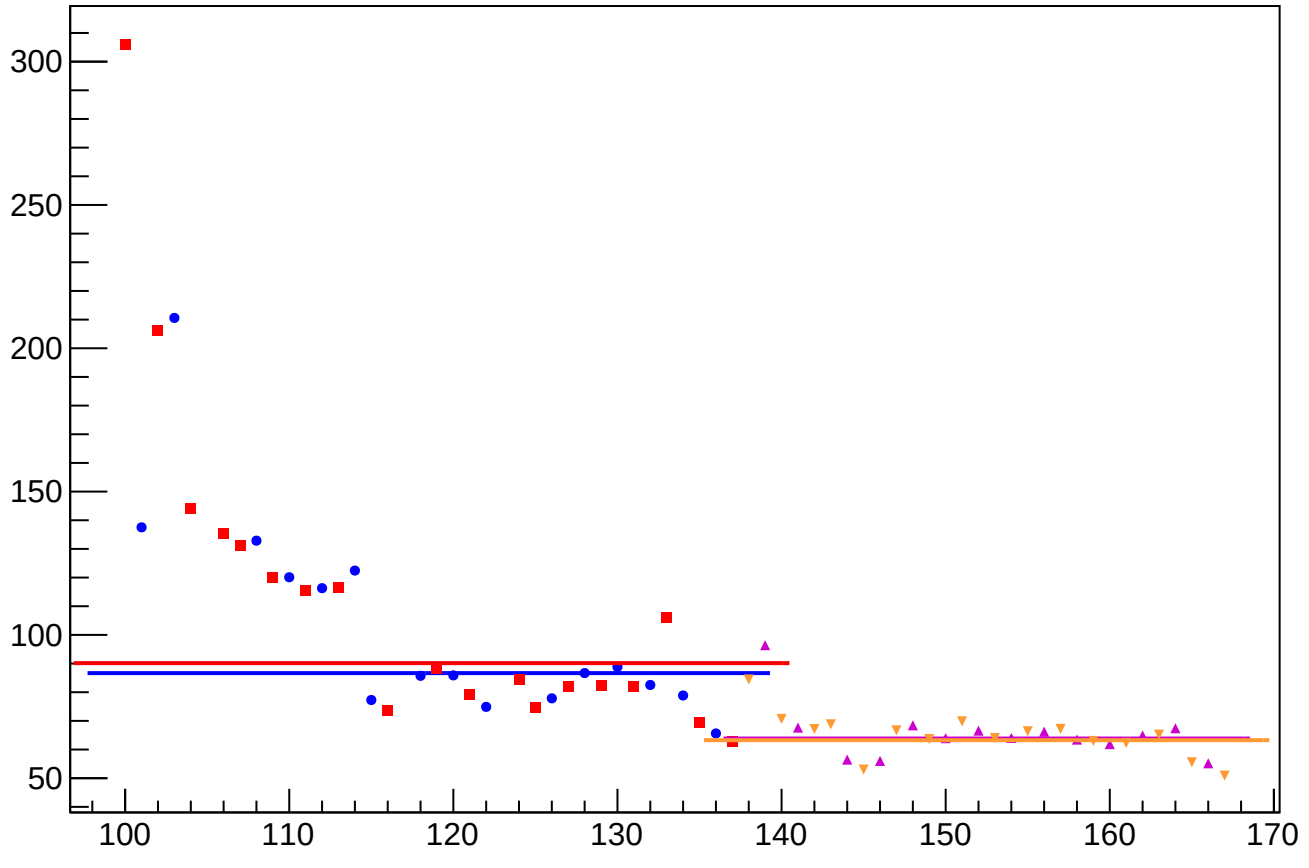
Left: 59.752+/-13.109 χ^2/NDF: 67.8/29

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 66.552+/-16.612 χ^2/NDF:32.8/29

Out: 45.739+/-16.035 χ^2/NDF:67.1/34

All: 55.778+/-11.537 χ^2/NDF: 100.7/64



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 63.263+/-0.013 χ^2/NDF:331702.0/15

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 63.842+/-0.013 χ^2/NDF:305951.5/13

Left: 63.537+/-0.009 χ^2/NDF: 638626.8/29

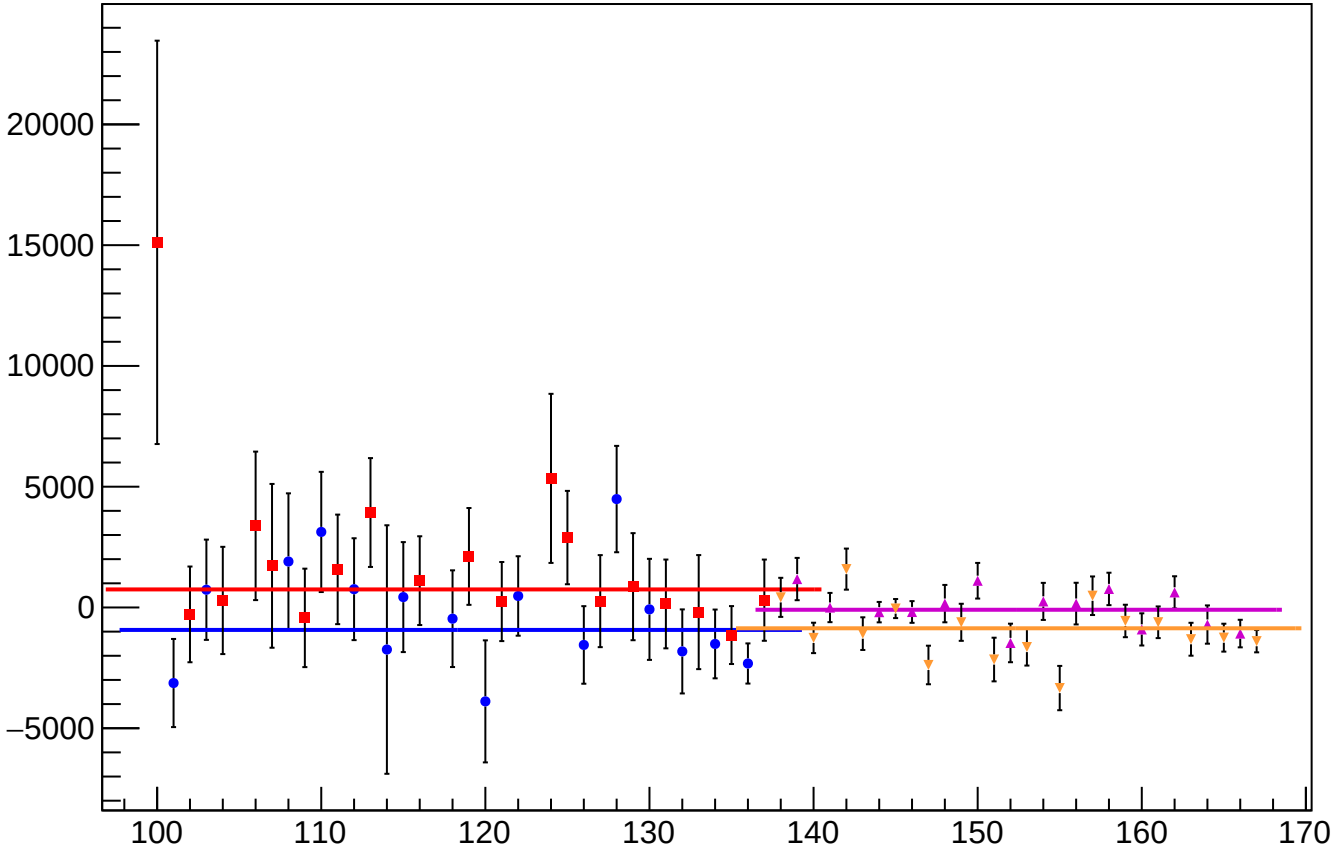
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 69.329+/-0.012 χ^2/NDF:2034228.4/29

Out: 68.955+/-0.011 χ^2/NDF:2420312.5/34

All: 69.135+/-0.008 χ^2/NDF: 4455065.6/64

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -861.937+/-163.586 χ^2/NDF:35.1/15

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -94.886+/-171.258 χ^2/NDF:16.1/13

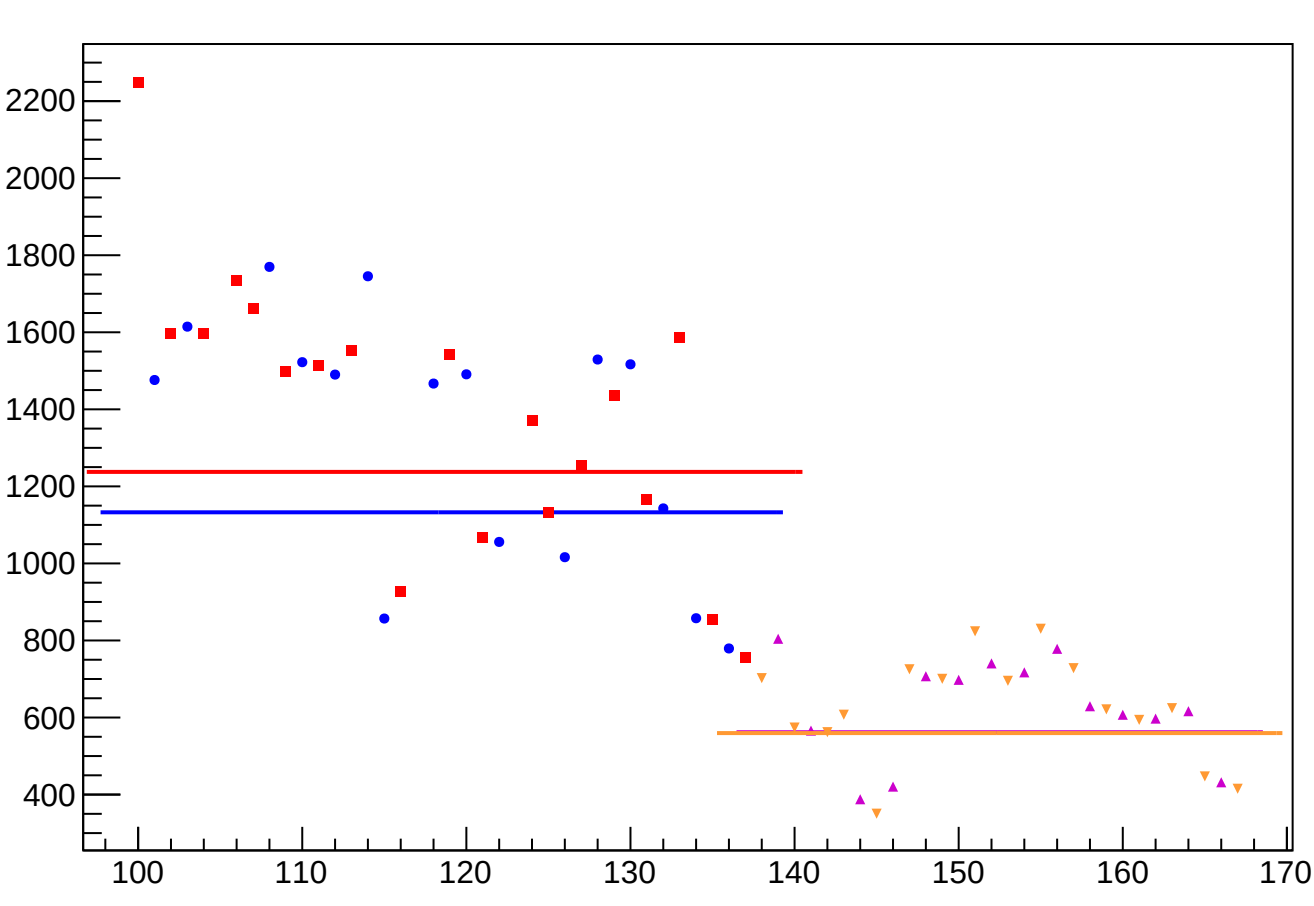
Left: -495.978+/-118.292 χ^2/NDF: 61.7/29

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -204.346+/-159.638 χ^2/NDF:37.8/29

Out: -686.674+/-154.420 χ^2/NDF:58.6/34

All: -453.521+/-110.990 χ^2/NDF: 101.1/64



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 559.612+/-0.116 χ^2/NDF:1597356.8/15

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 561.895+/-0.121 χ^2/NDF:1285335.0/13

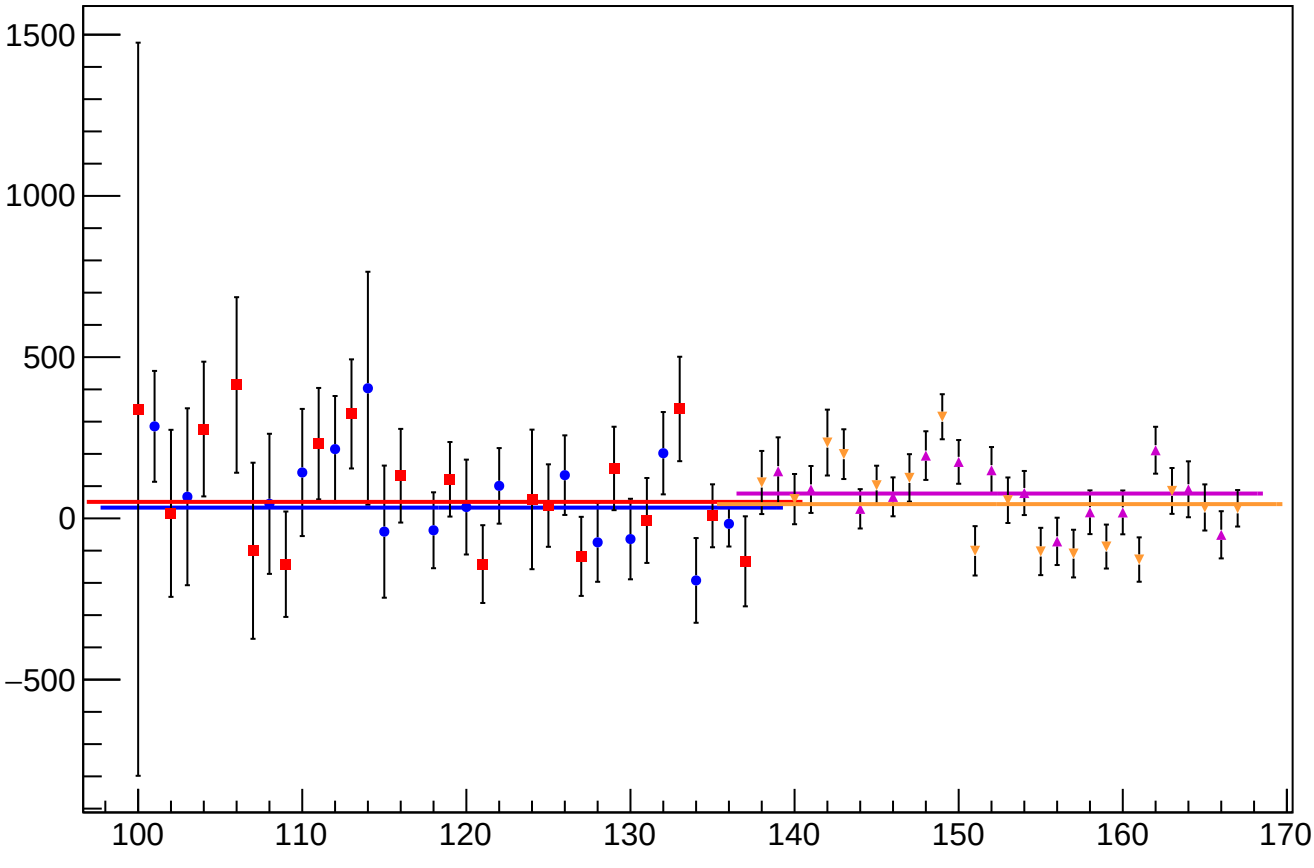
Left: 560.701+/-0.084 χ^2/NDF: 2882877.7/29

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 636.727+/-0.113 χ^2/NDF:5322146.2/29

Out: 633.456+/-0.109 χ^2/NDF:6234378.8/34

All: 635.037+/-0.078 χ^2/NDF: 11556958.7/64



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 44.240+/-18.059 χ^2/NDF:47.5/15

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 77.035+/-19.060 χ^2/NDF:18.7/13

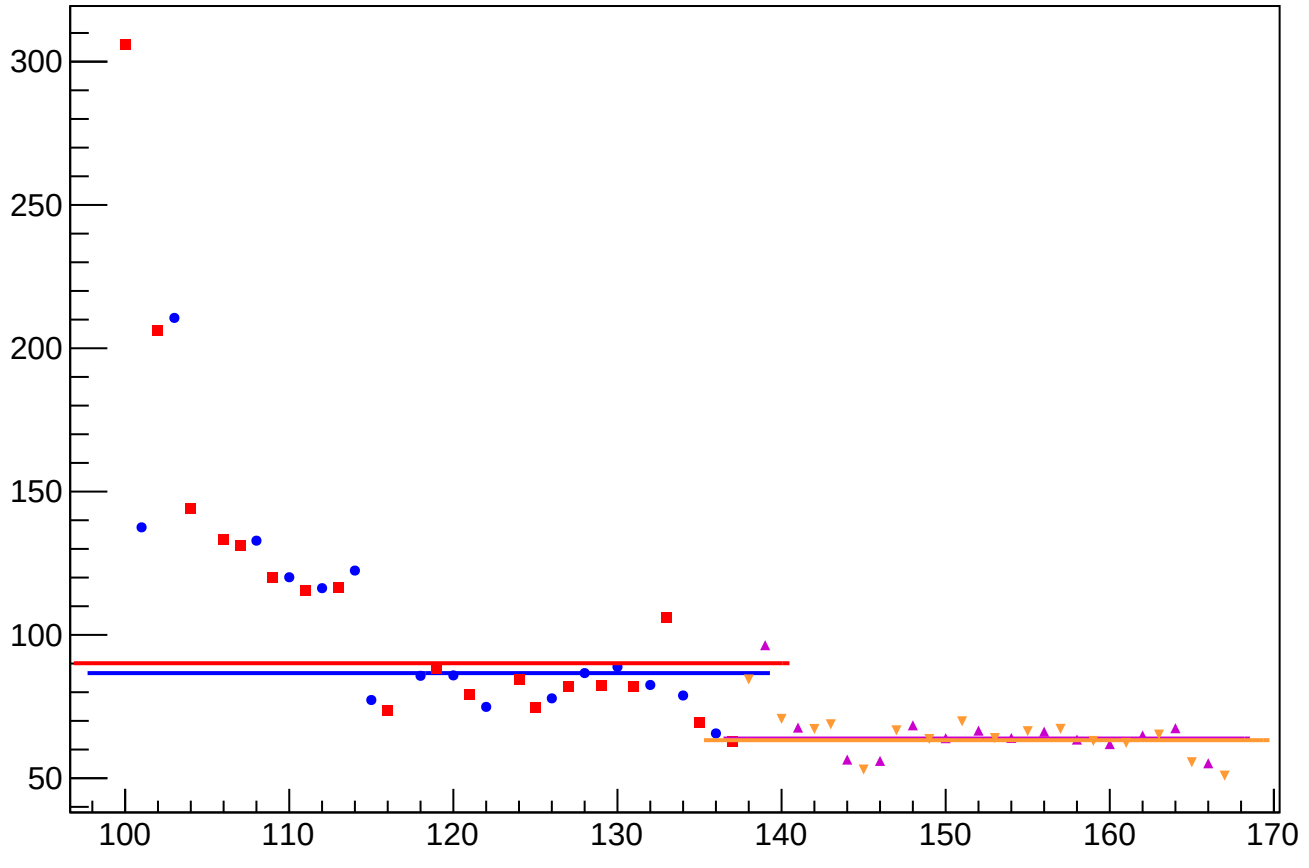
Left: 59.754+/-13.109 χ^2/NDF: 67.8/29

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 66.551+/-16.612 χ^2/NDF:32.8/29

Out: 45.711+/-16.035 χ^2/NDF:67.1/34

All: 55.763+/-11.537 χ^2/NDF: 100.7/64



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 63.263+/-0.013 χ^2/NDF:331702.0/15

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.842+/-0.013 χ^2/NDF:305951.5/13

Left: 63.537+/-0.009 χ^2/NDF: 638626.7/29

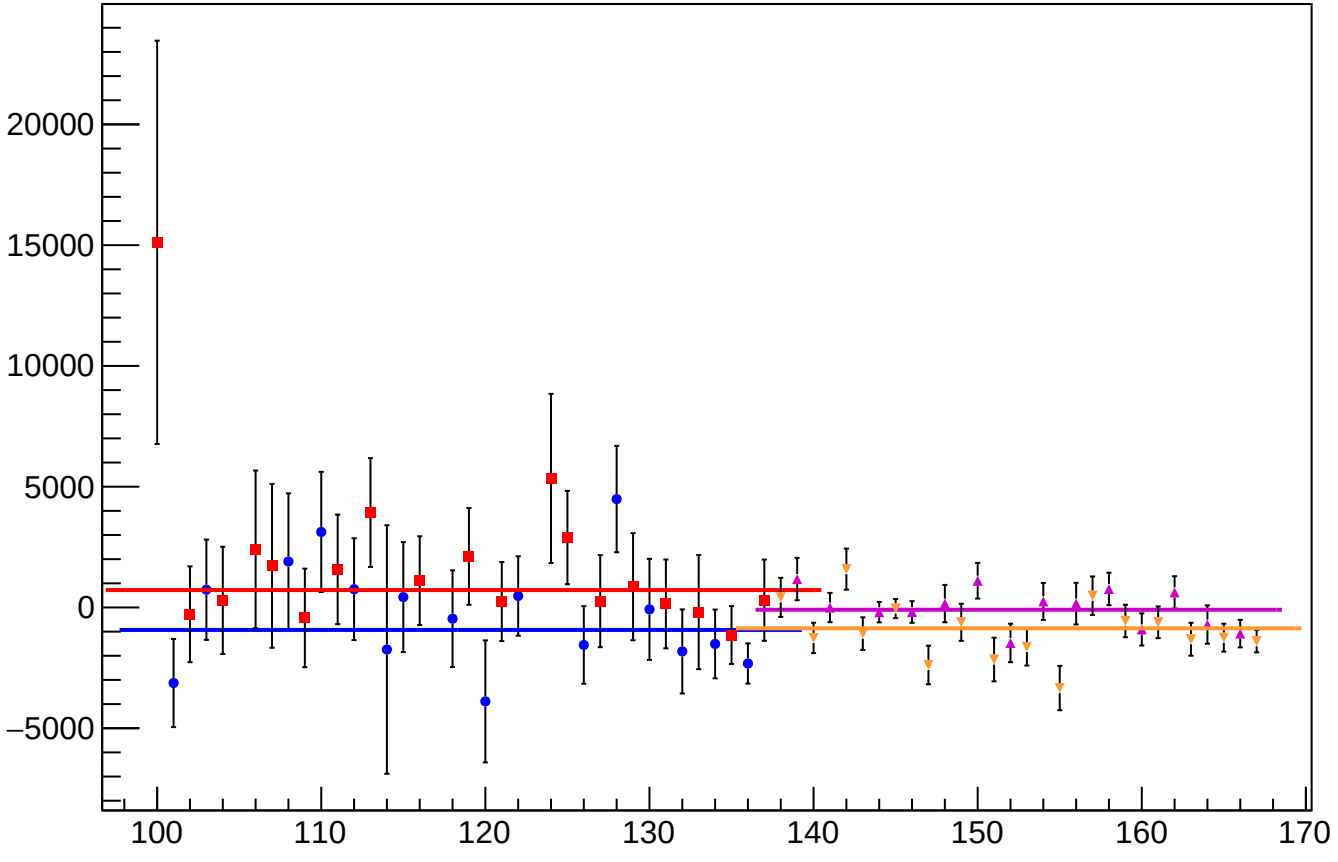
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 69.329+/-0.012 χ^2/NDF:2034230.9/29

Out: 68.946+/-0.011 χ^2/NDF:2412941.4/34

All: 69.131+/-0.008 χ^2/NDF: 4447720.8/64

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -861.932+/-163.586 χ^2/NDF:35.1/15

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -94.884+/-171.258 χ^2/NDF:16.1/13

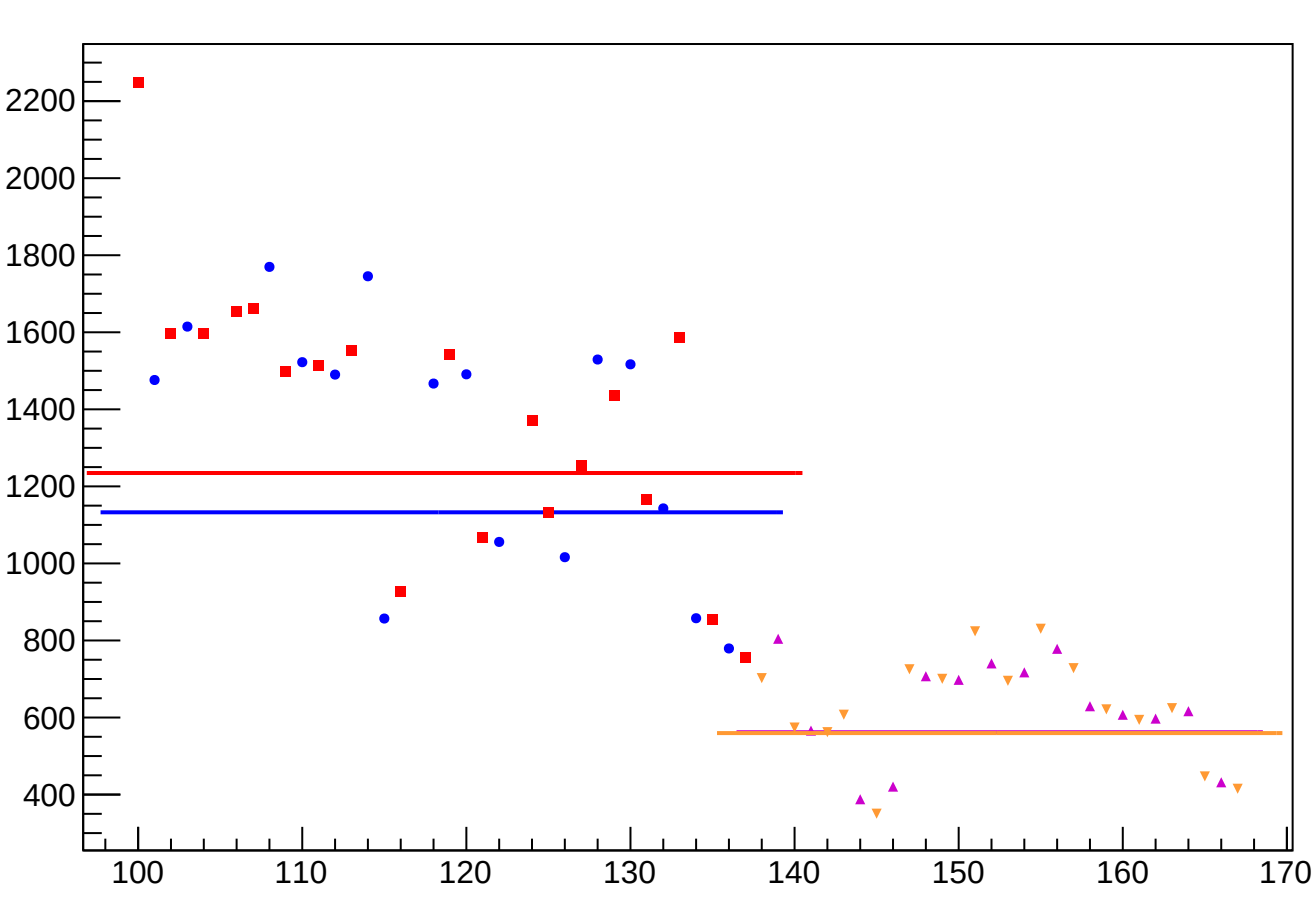
Left: -495.974+/-118.292 χ^2/NDF: 61.7/29

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -204.340+/-159.638 χ^2/NDF:37.8/29

Out: -689.984+/-154.443 χ^2/NDF:57.8/34

All: -455.192+/-110.999 χ^2/NDF: 100.3/64



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 559.612+/-0.116 χ^2/NDF:1597361.2/15

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 561.895+/-0.121 χ^2/NDF:1285336.6/13

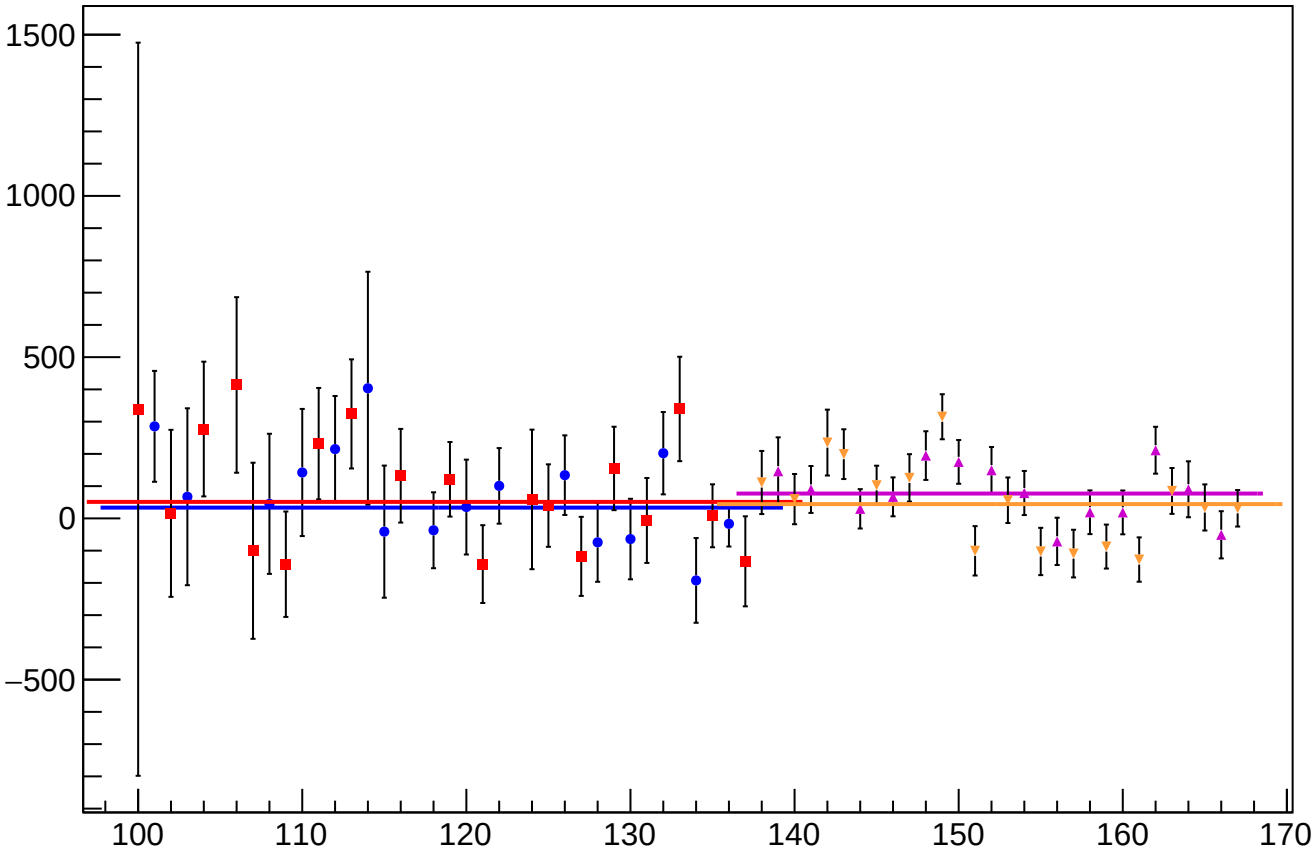
Left: 560.701+/-0.084 χ^2/NDF: 2882883.7/29

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 636.726+/-0.113 χ^2/NDF:5322183.6/29

Out: 632.963+/-0.109 χ^2/NDF:6174605.1/34

All: 634.783+/-0.078 χ^2/NDF: 11497362.8/64



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 44.240+/-18.059 χ^2/NDF:47.5/15

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 77.035+/-19.060 χ^2/NDF:18.7/13

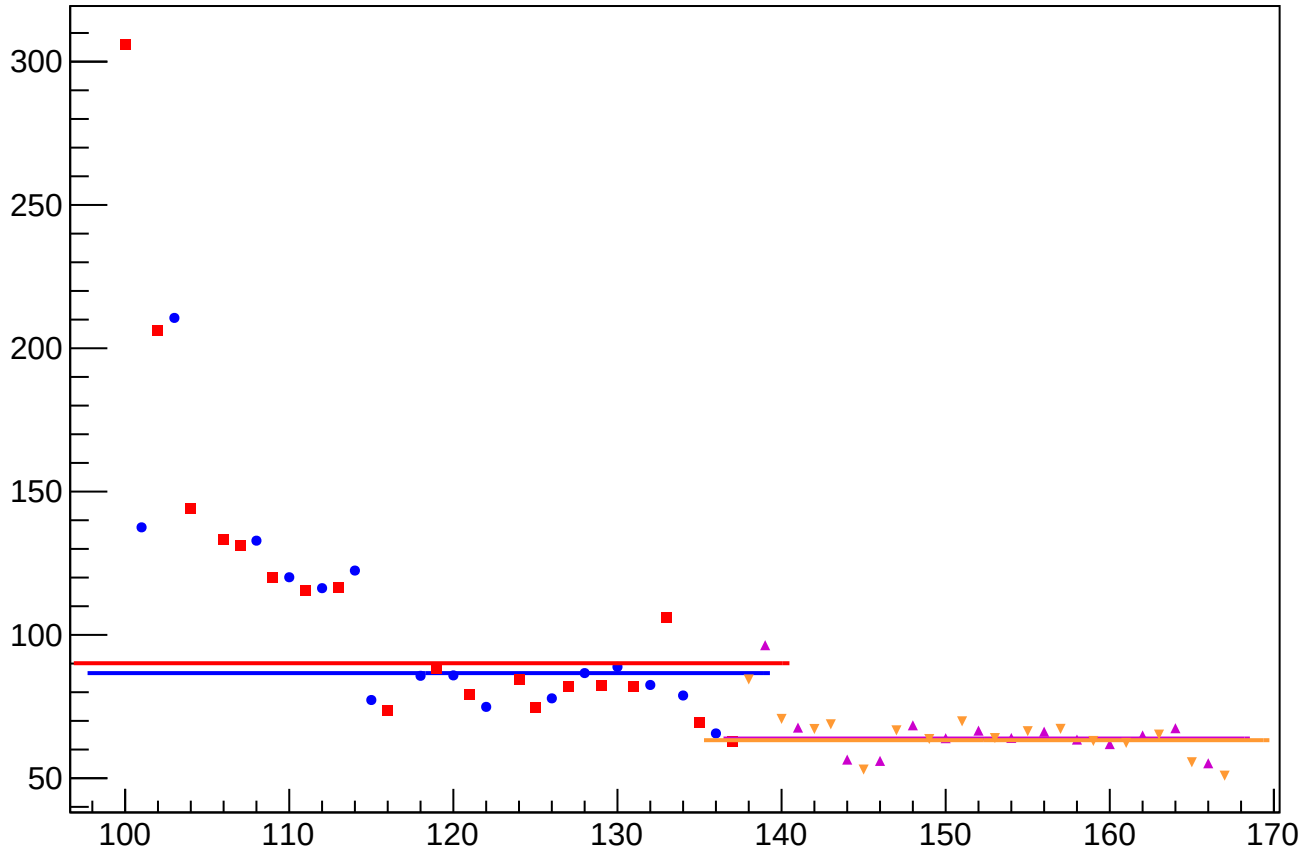
Left: 59.754+/-13.109 χ^2/NDF: 67.8/29

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 66.551+/-16.612 χ^2/NDF:32.8/29

Out: 45.711+/-16.035 χ^2/NDF:67.1/34

All: 55.763+/-11.537 χ^2/NDF: 100.7/64



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 63.263+/-0.013 χ^2/NDF:331702.0/15

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.842+/-0.013 χ^2/NDF:305951.5/13

Left: 63.537+/-0.009 χ^2/NDF: 638626.7/29

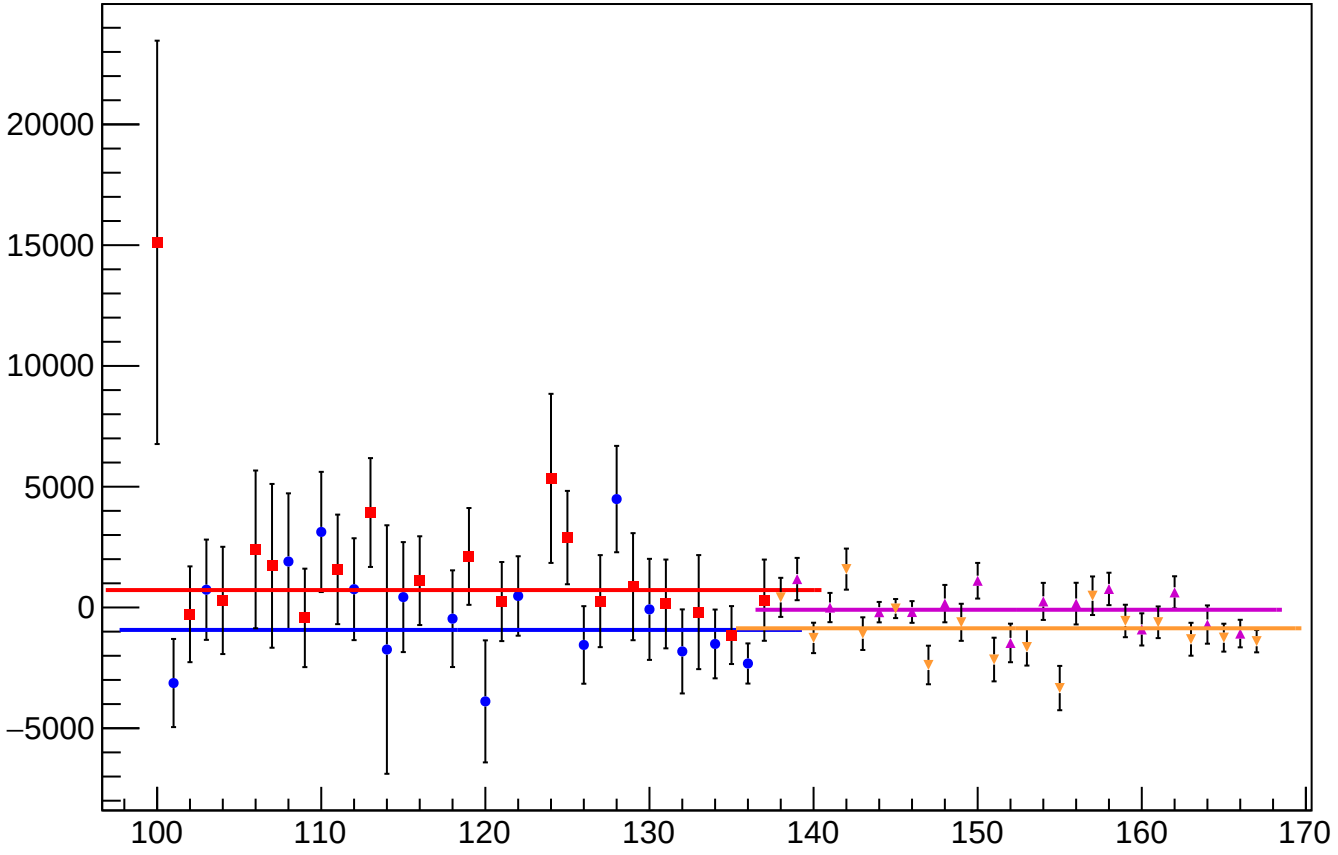
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 69.329+/-0.012 χ^2/NDF:2034230.9/29

Out: 68.946+/-0.011 χ^2/NDF:2412941.4/34

All: 69.131+/-0.008 χ^2/NDF: 4447720.8/64

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -861.932+/-163.586 χ^2/NDF:35.1/15

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -94.884+/-171.258 χ^2/NDF:16.1/13

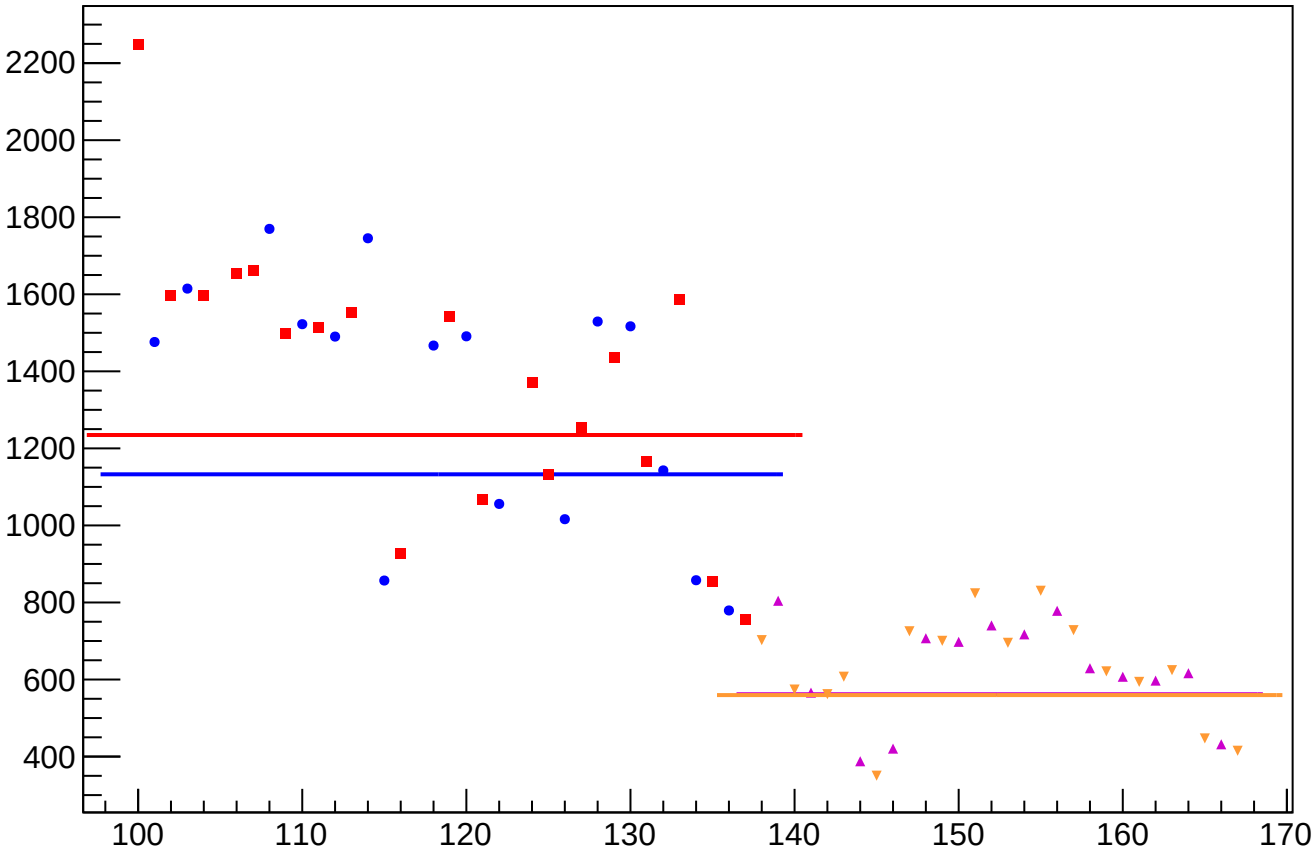
Left: -495.974+/-118.292 χ^2/NDF: 61.7/29

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -204.340+/-159.638 χ^2/NDF:37.8/29

Out: -689.984+/-154.443 χ^2/NDF:57.8/34

All: -455.192+/-110.999 χ^2/NDF: 100.3/64



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 559.612+/-0.116 χ^2/NDF:1597361.2/15

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 561.895+/-0.121 χ^2/NDF:1285336.6/13

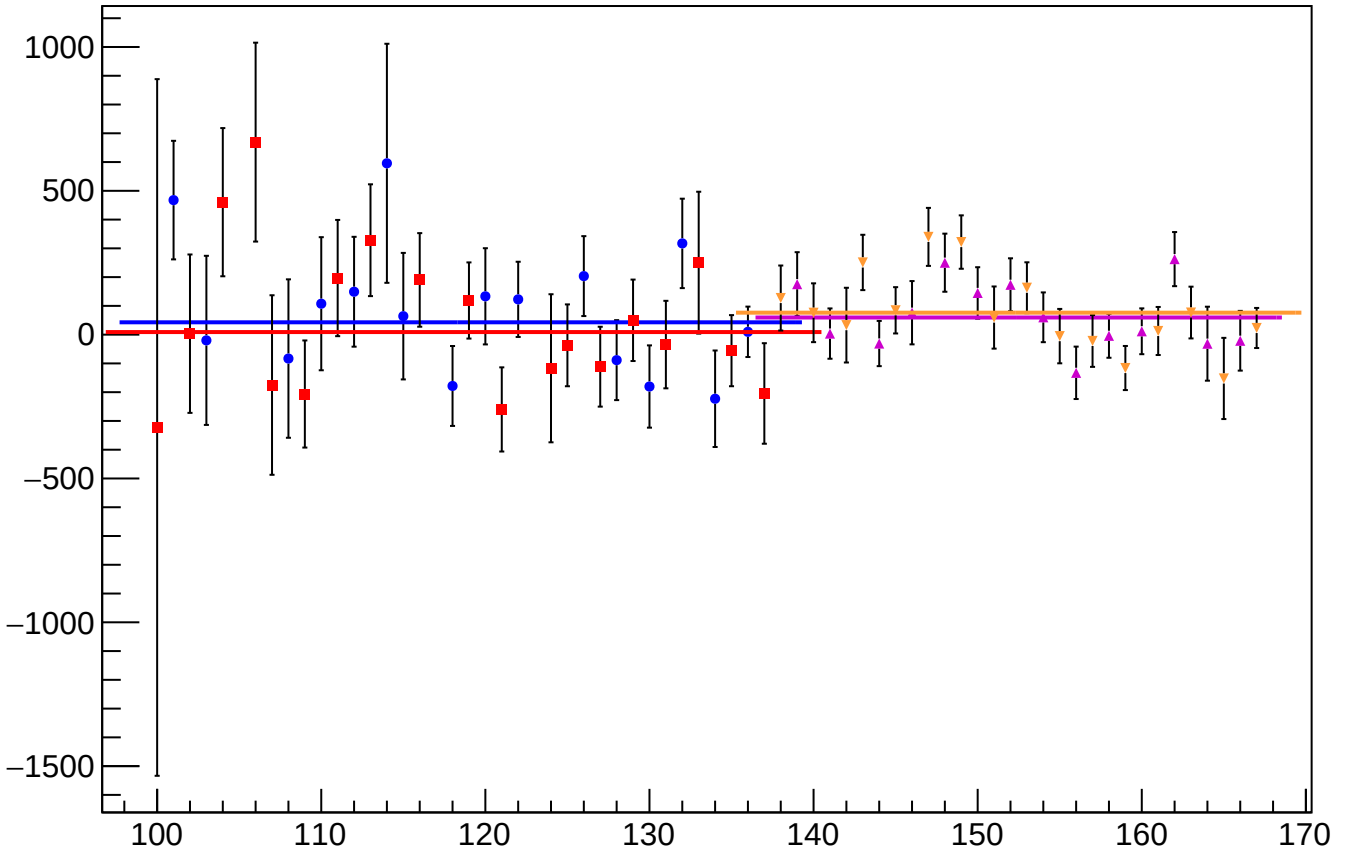
Left: 560.701+/-0.084 χ^2/NDF: 2882883.7/29

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 636.726+/-0.113 χ^2/NDF:5322183.6/29

Out: 632.963+/-0.109 χ^2/NDF:6174605.1/34

All: 634.783+/-0.078 χ^2/NDF: 11497362.8/64



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 76.441+/-23.236 χ^2/NDF:30.5/15

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 59.601+/-24.641 χ^2/NDF:20.1/13

Left: 68.515+/-16.905 χ^2/NDF: 50.8/29

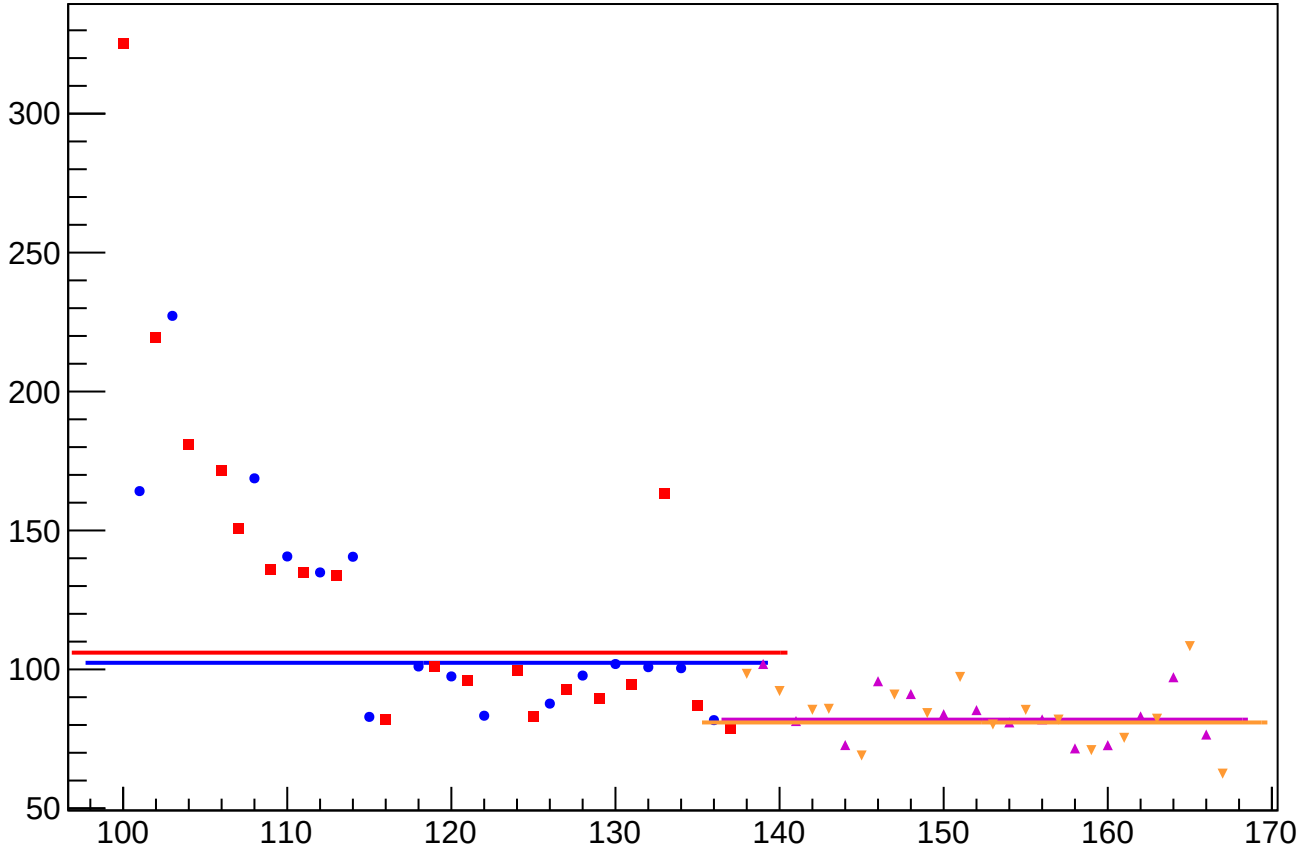
Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 55.002+/-20.972 χ^2/NDF:40.6/29

Out: 60.080+/-20.222 χ^2/NDF:53.8/34

All: 57.633+/-14.557 χ^2/NDF: 94.4/64

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 80.906+/-0.016 χ^2/NDF:455701.8/15

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 81.918+/-0.017 χ^2/NDF:241473.2/13

Left: 81.382+/-0.012 χ^2/NDF: 698960.1/29

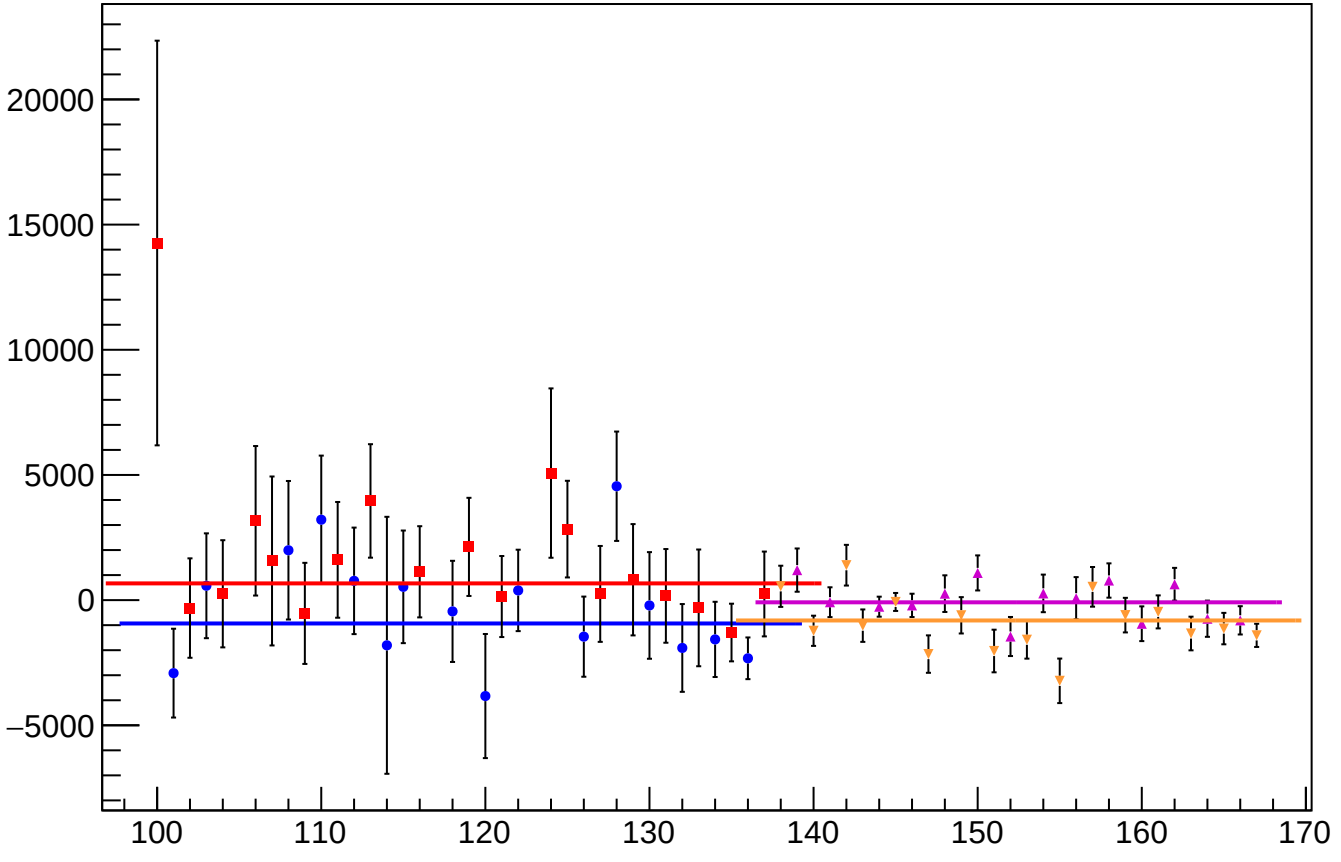
Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 87.557+/-0.015 χ^2/NDF:1603842.7/29

Out: 87.001+/-0.014 χ^2/NDF:2214288.4/34

All: 87.269+/-0.010 χ^2/NDF: 3818860.4/64

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -812.566+/-159.405 χ^2/NDF:34.4/15

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -87.629+/-168.205 χ^2/NDF:15.6/13

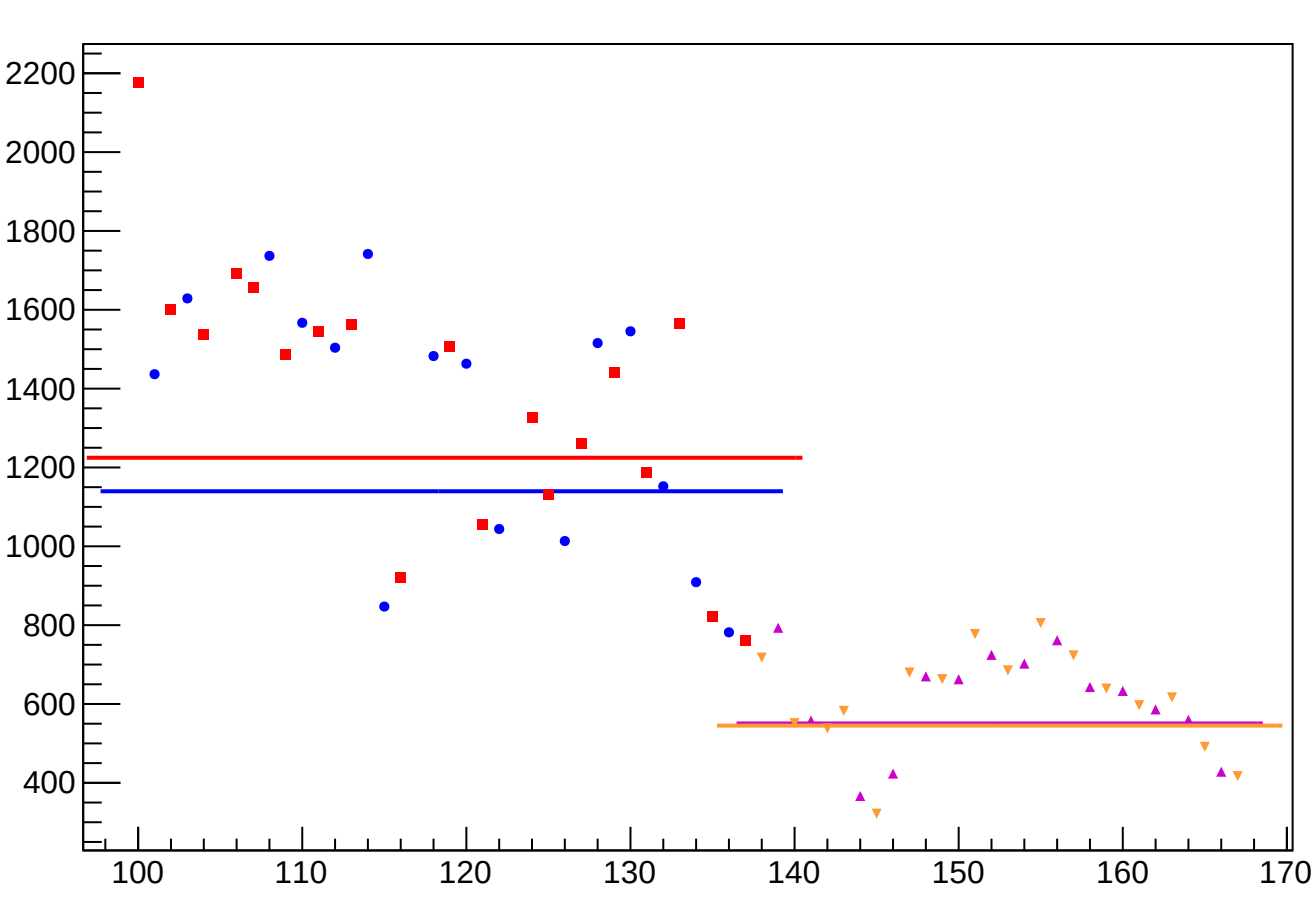
Left: -469.557+/-115.702 χ^2/NDF: 59.9/29

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -194.186+/-157.239 χ^2/NDF:37.3/29

Out: -655.741+/-150.729 χ^2/NDF:57.0/34

All: -434.715+/-108.810 χ^2/NDF: 98.8/64



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 545.175+/-0.113 χ^2/NDF:1716712.0/15

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 550.559+/-0.119 χ^2/NDF:1307106.9/13

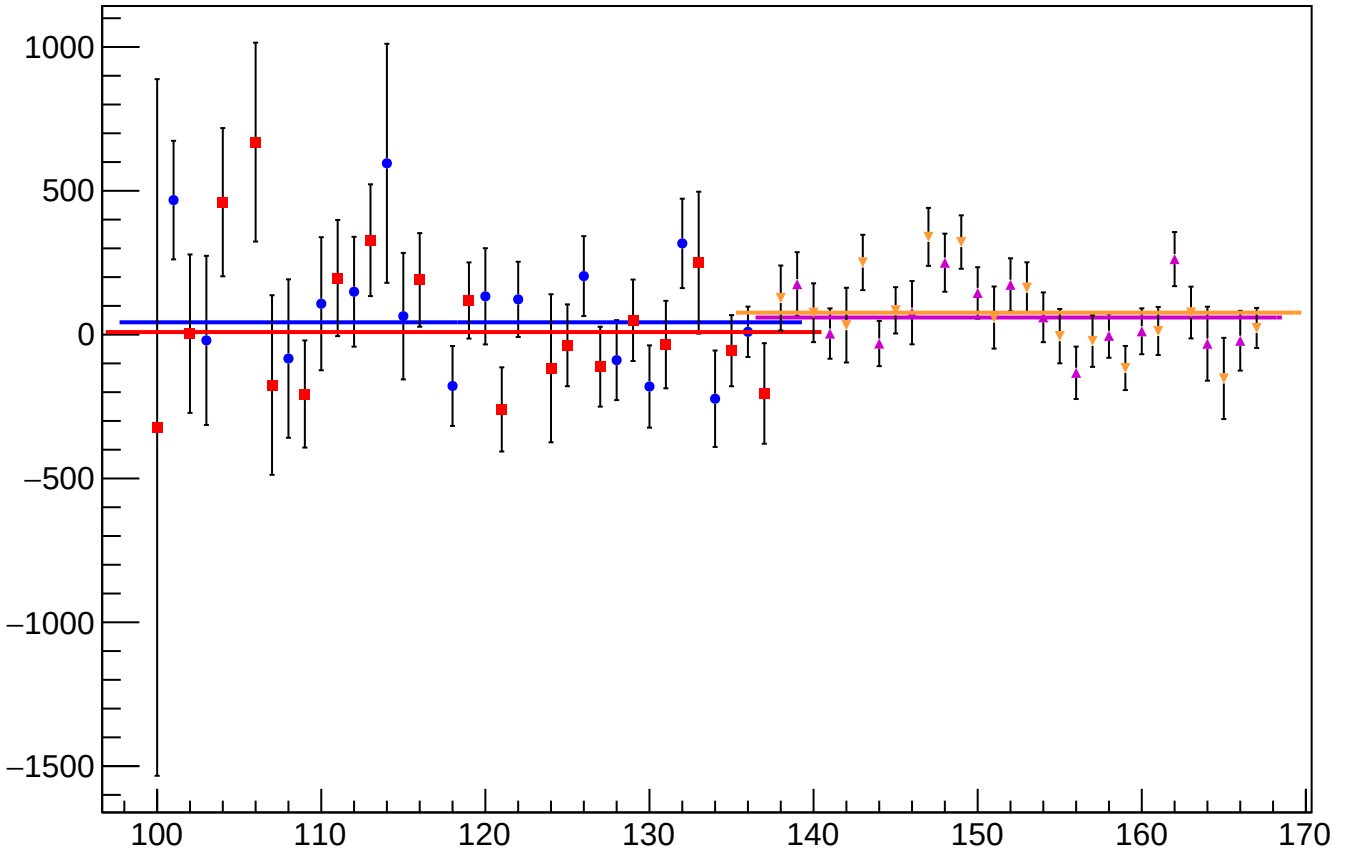
Left: 547.722+/-0.082 χ^2/NDF: 3024898.4/29

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 624.867+/-0.111 χ^2/NDF:5494951.7/29

Out: 617.119+/-0.107 χ^2/NDF:6486730.0/34

All: 620.830+/-0.077 χ^2/NDF: 11984212.4/64



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 76.442+/-23.236 χ^2/NDF:30.5/15

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 59.599+/-24.641 χ^2/NDF:20.1/13

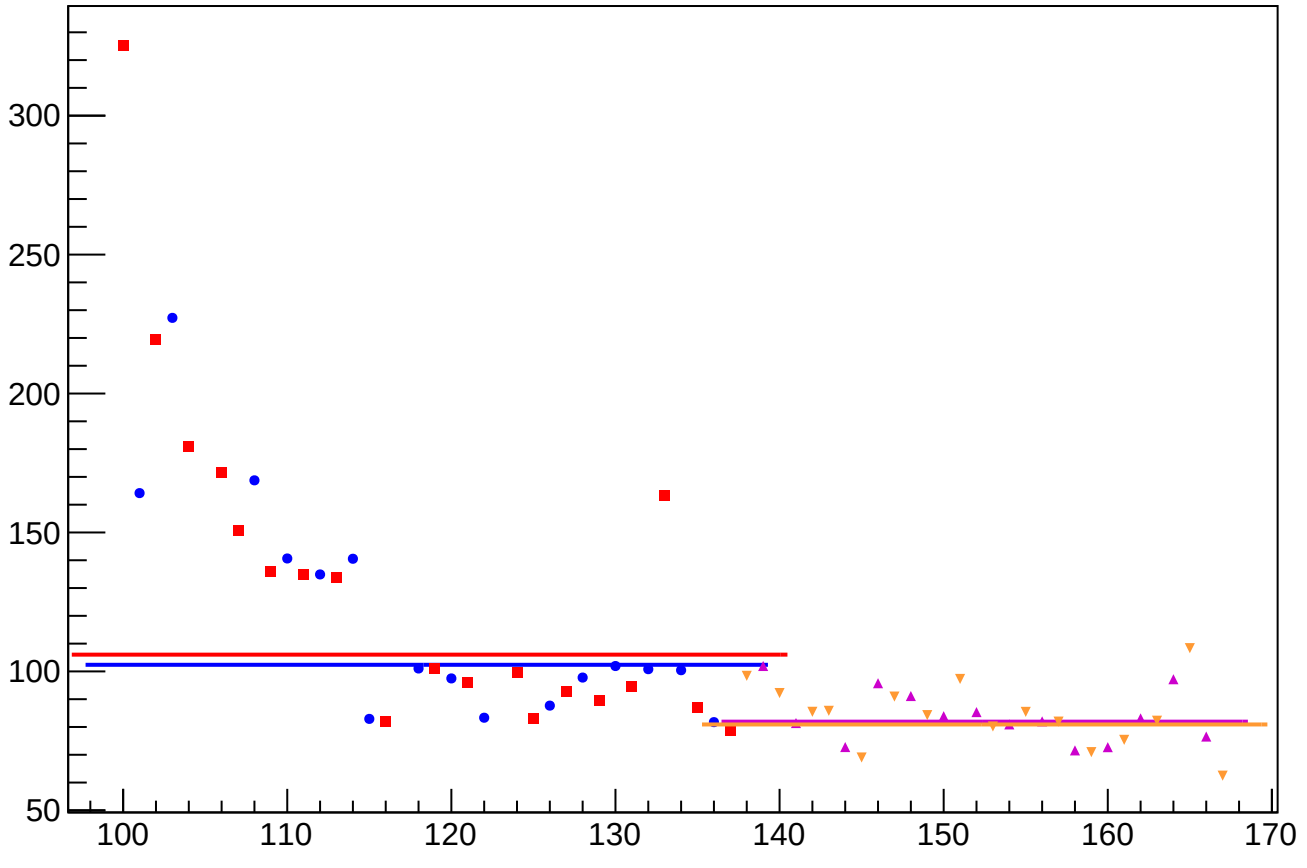
Left: 68.514+/-16.905 χ^2/NDF: 50.8/29

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 55.001+/-20.972 χ^2/NDF:40.6/29

Out: 60.079+/-20.222 χ^2/NDF:53.8/34

All: 57.632+/-14.557 χ^2/NDF: 94.4/64



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 80.906+/-0.016 χ^2/NDF:455698.7/15

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 81.918+/-0.017 χ^2/NDF:241479.7/13

Left: 81.382+/-0.012 χ^2/NDF: 698963.4/29

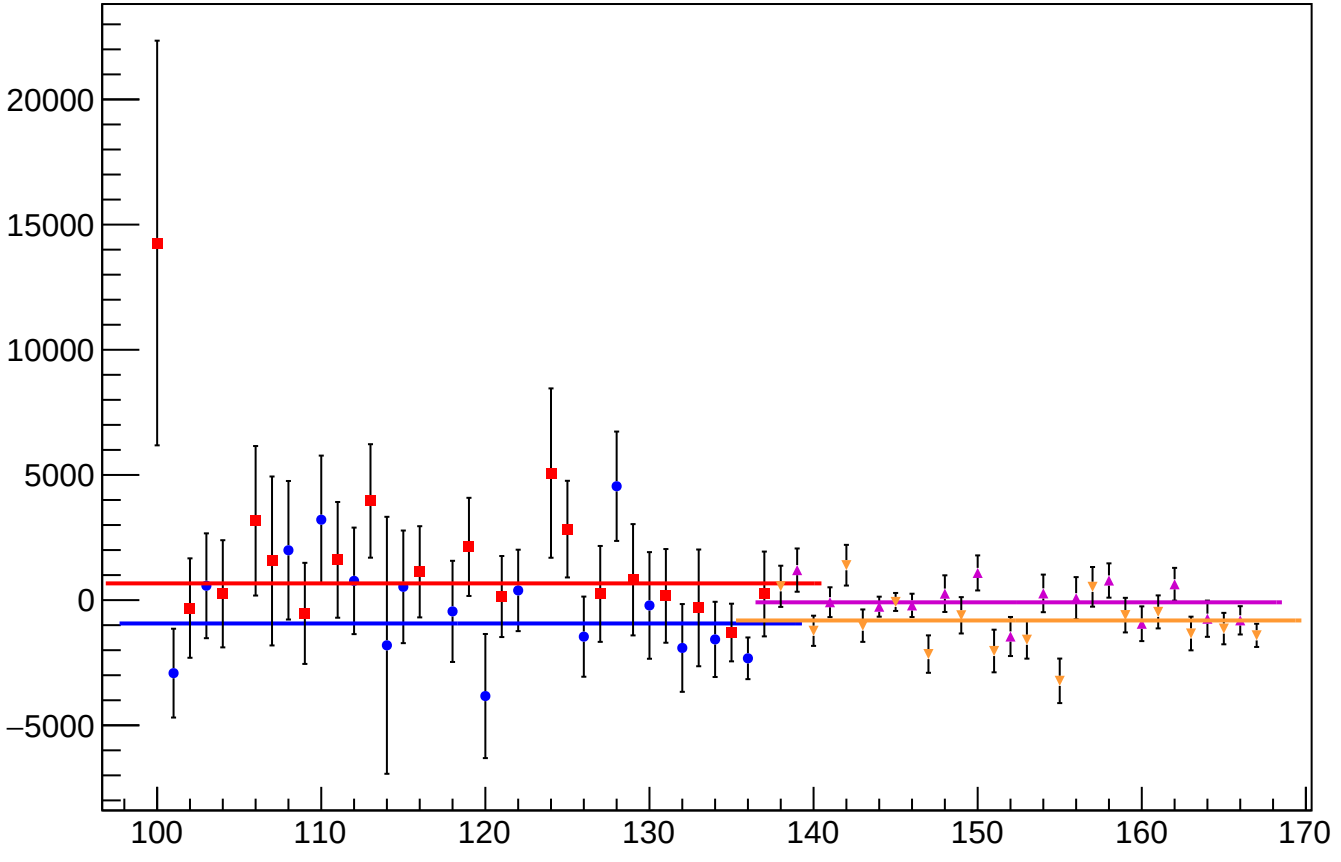
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 87.557+/-0.015 χ^2/NDF:1603827.9/29

Out: 87.001+/-0.014 χ^2/NDF:2214271.9/34

All: 87.269+/-0.010 χ^2/NDF: 3818828.9/64

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -812.565+/-159.404 χ^2/NDF:34.4/15

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -87.630+/-168.205 χ^2/NDF:15.6/13

Left: -469.557+/-115.702 χ^2/NDF: 59.9/29

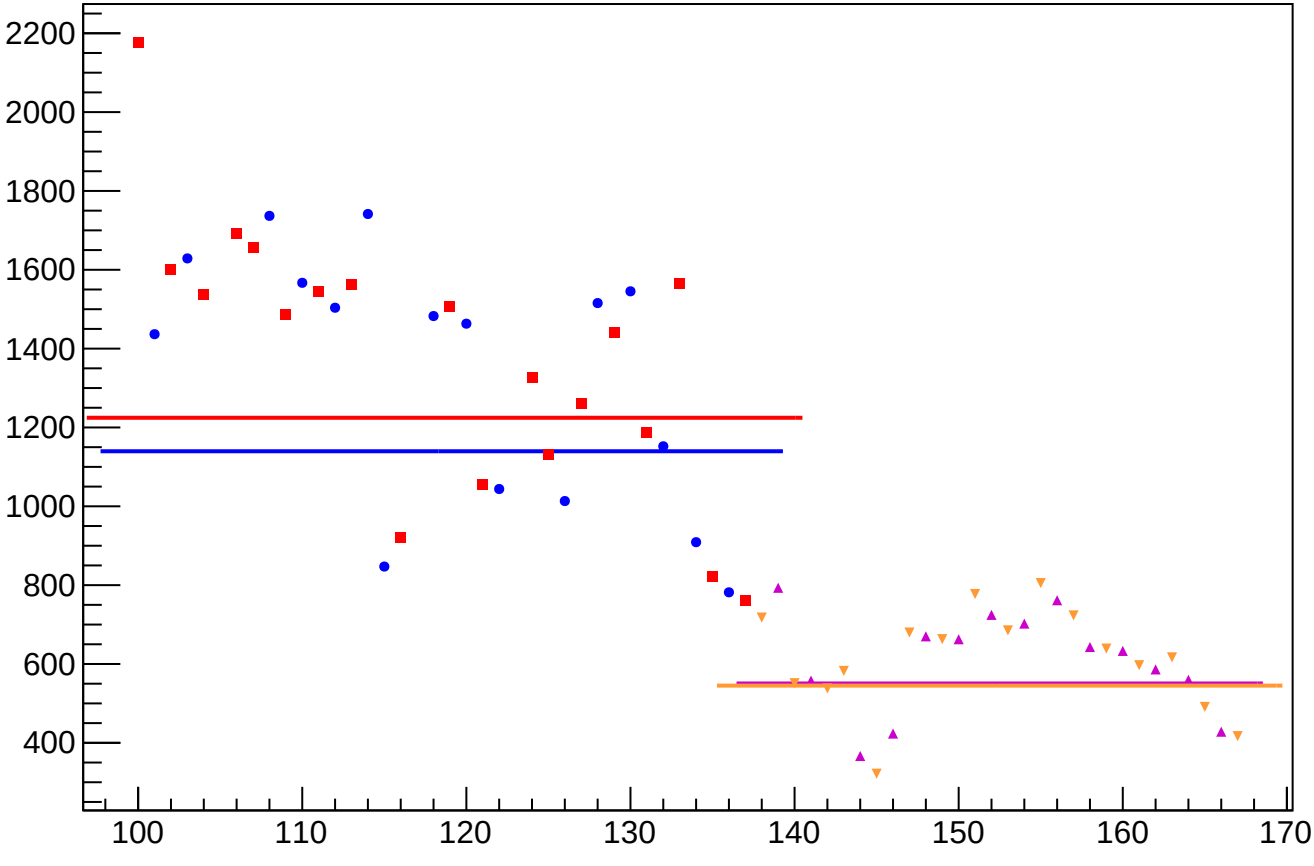
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -194.187+/-157.239 χ^2/NDF:37.3/29

Out: -655.740+/-150.729 χ^2/NDF:57.0/34

All: -434.715+/-108.810 χ^2/NDF: 98.8/64

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 545.174+/-0.113 χ^2/NDF:1716726.8/15

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 550.558+/-0.119 χ^2/NDF:1307111.0/13

Left: 547.721+/-0.082 χ^2/NDF: 3024917.5/29

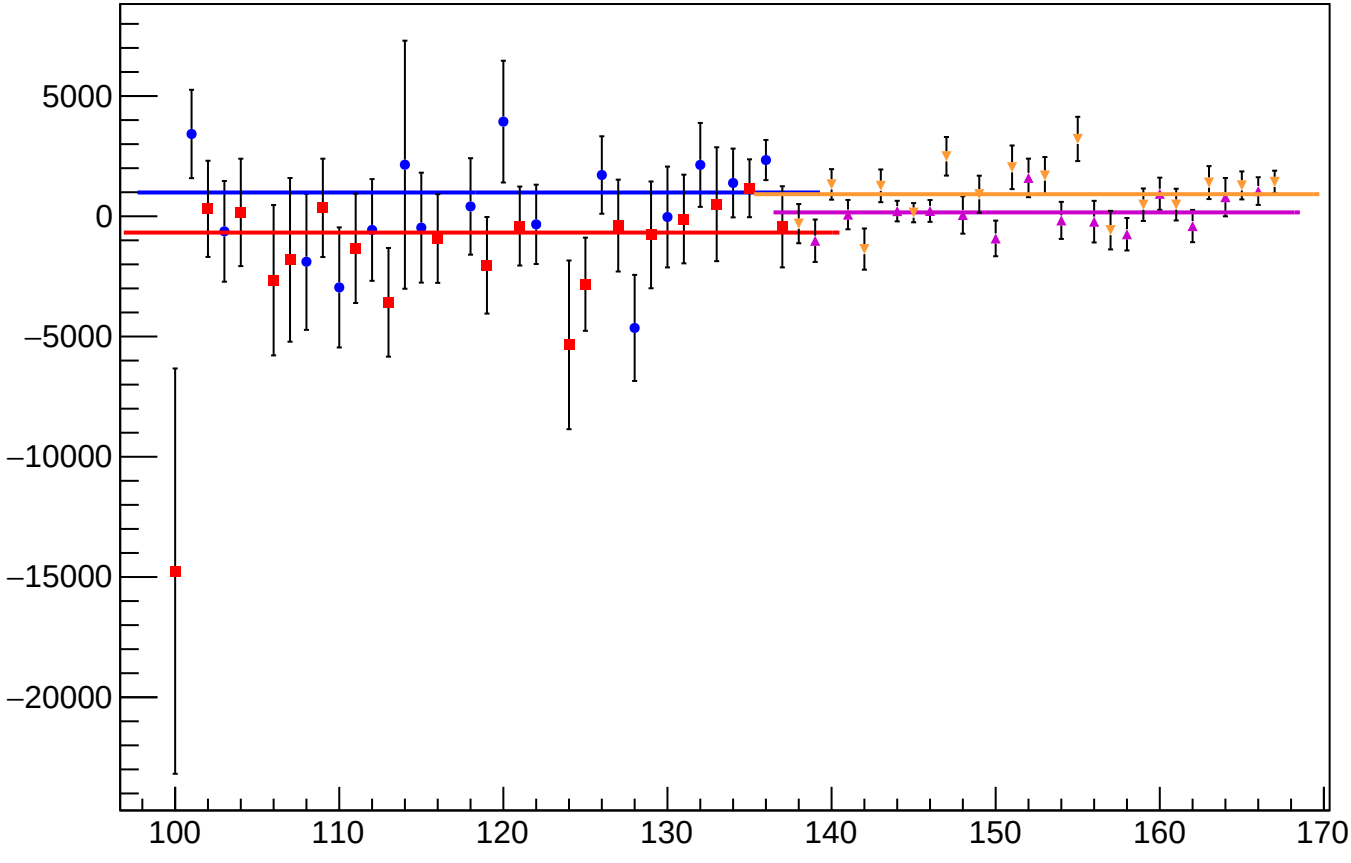
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 624.867+/-0.111 χ^2/NDF:5494945.7/29

Out: 617.118+/-0.107 χ^2/NDF:6486737.7/34

All: 620.829+/-0.077 χ^2/NDF: 11984214.3/64

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 919.063+/-164.763 χ^2/NDF:32.8/15

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 161.105+/-172.540 χ^2/NDF:14.5/13

Left: 557.552+/-119.160 χ^2/NDF: 57.3/29

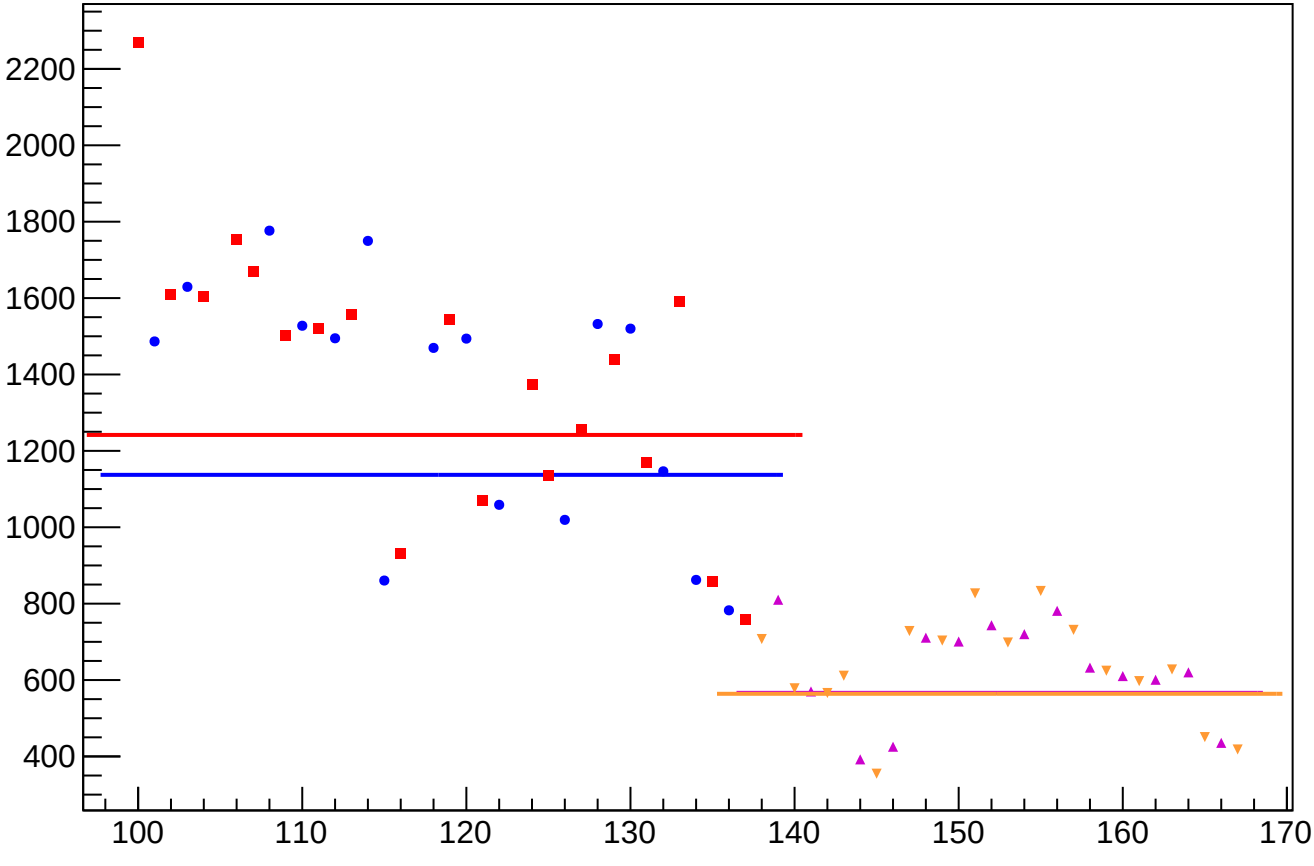
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 270.351+/-160.759 χ^2/NDF:36.5/29

Out: 744.087+/-155.473 χ^2/NDF:55.0/34

All: 515.135+/-111.758 χ^2/NDF: 96.0/64

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 563.994+/-0.117 χ^2/NDF:1566978.6/15

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 566.467+/-0.122 χ^2/NDF:1258426.1/13

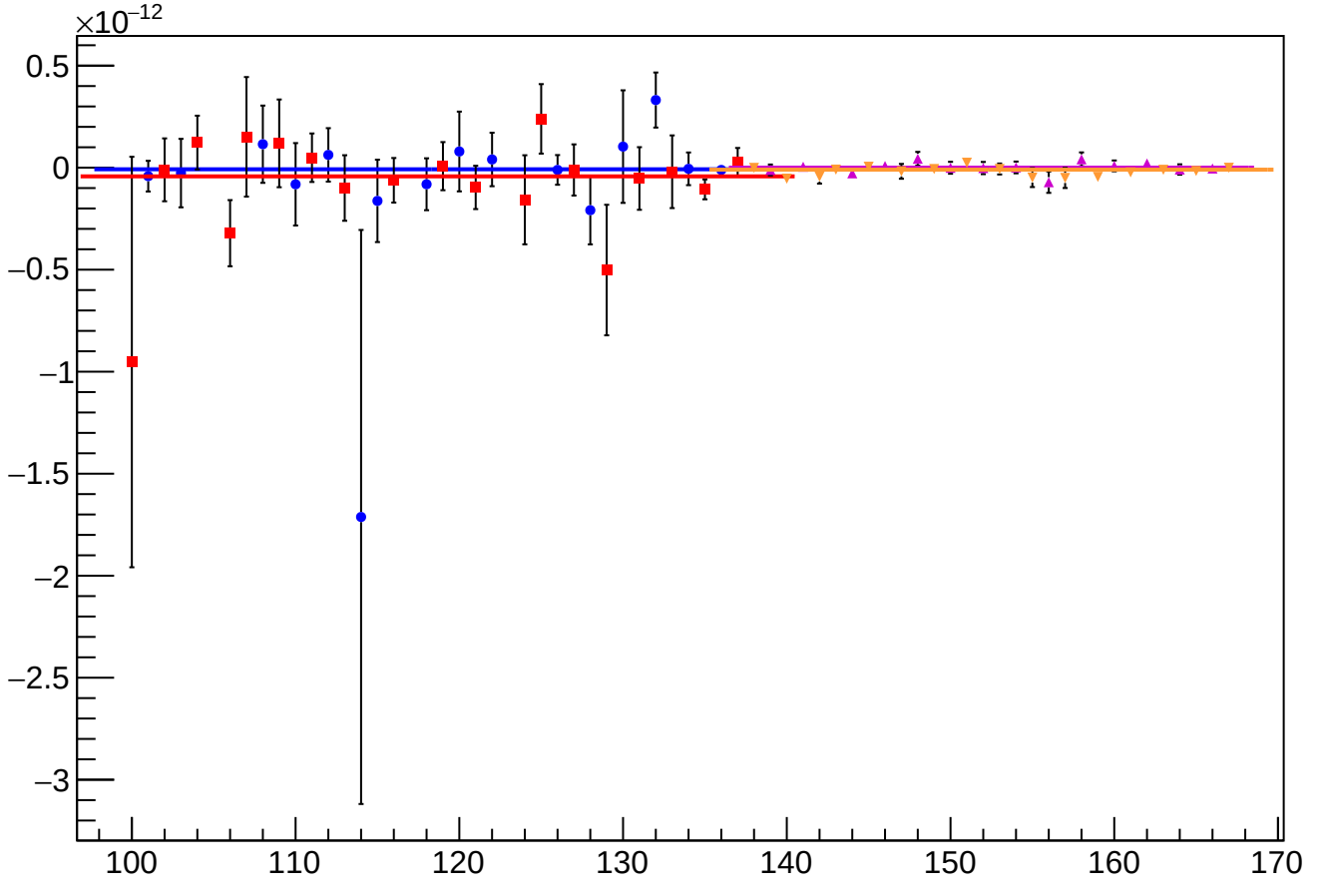
Left: 565.174+/-0.084 χ^2/NDF: 2825619.5/29

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 641.752+/-0.114 χ^2/NDF:5268823.5/29

Out: 638.263+/-0.110 χ^2/NDF:6174598.5/34

All: 639.949+/-0.079 χ^2/NDF: 11443908.7/64



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/13

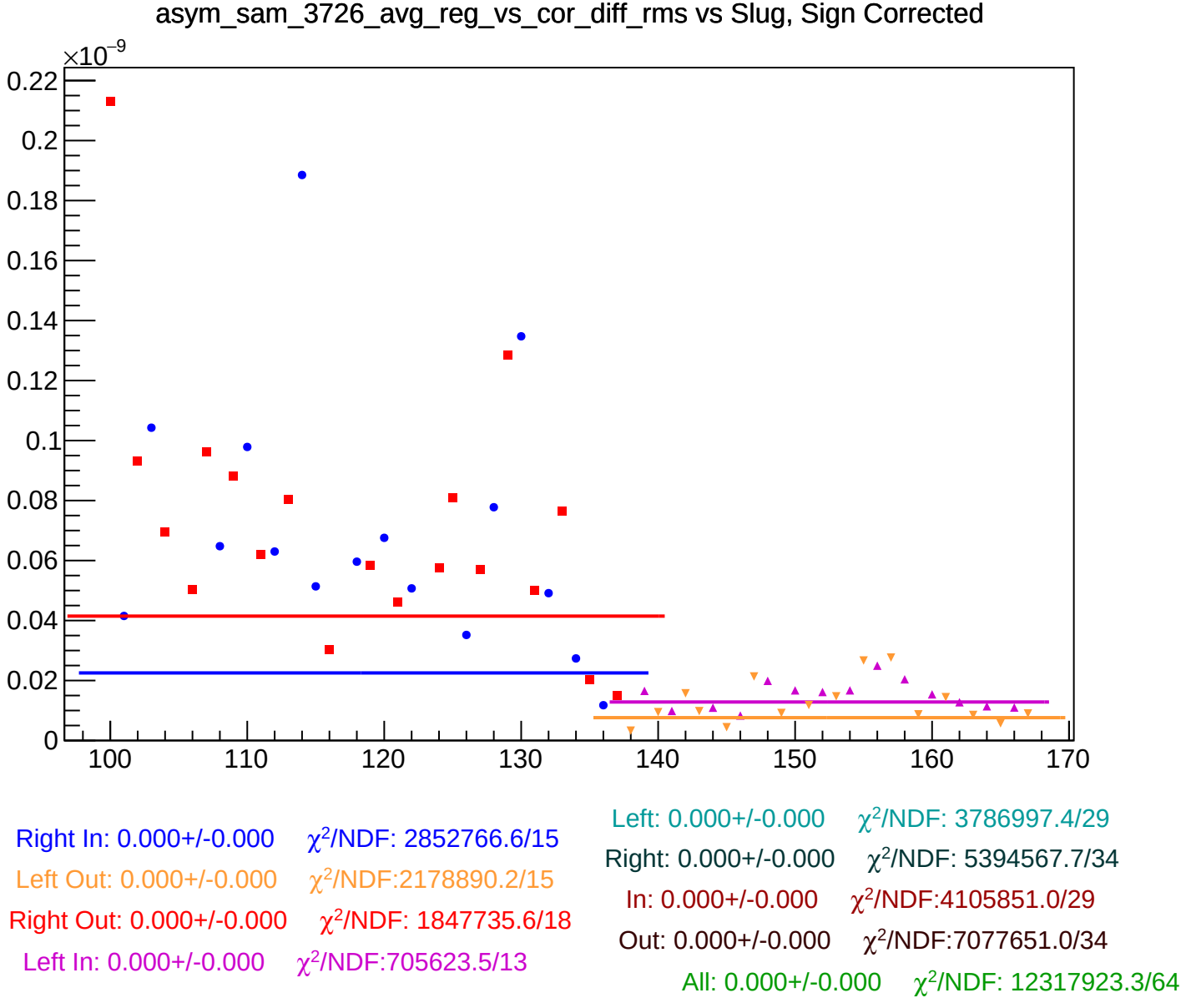
Left: -0.000+/-0.000 χ^2/NDF: 29.5/29

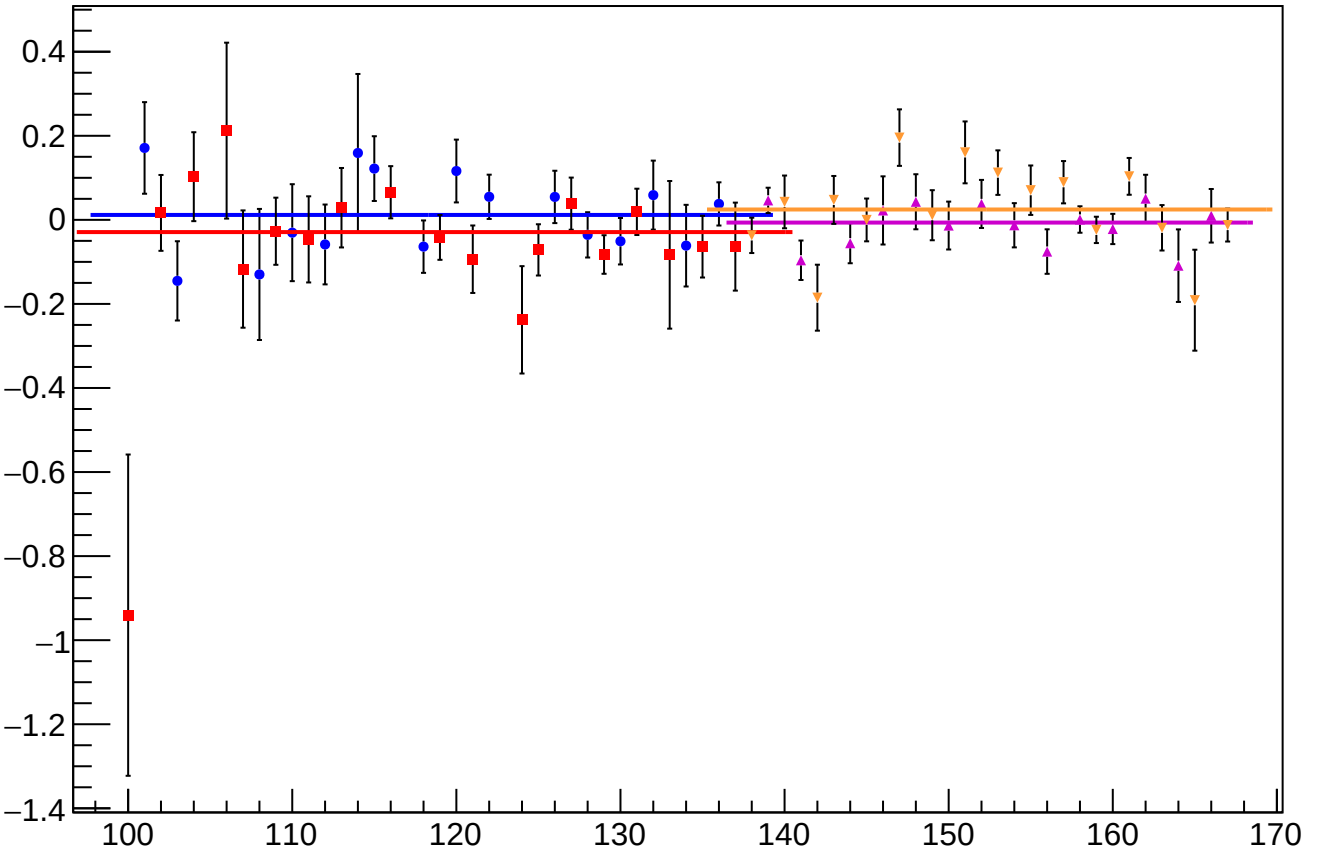
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:21.2/29

Out: -0.000+/-0.000 χ^2/NDF:35.6/34

All: -0.000+/-0.000 χ^2/NDF: 58.5/64


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2178890.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:705623.5/13
Left: 0.000+/-0.000 χ²/NDF: 3786997.4/29
Right: 0.000+/-0.000 χ²/NDF: 5394567.7/34
In: 0.000+/-0.000 χ²/NDF:4105851.0/29
Out: 0.000+/-0.000 χ²/NDF:7077651.0/34
All: 0.000+/-0.000 χ²/NDF: 12317923.3/64



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.025+/-0.013 χ^2/NDF:35.1/15

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.013 χ^2/NDF:13.5/13

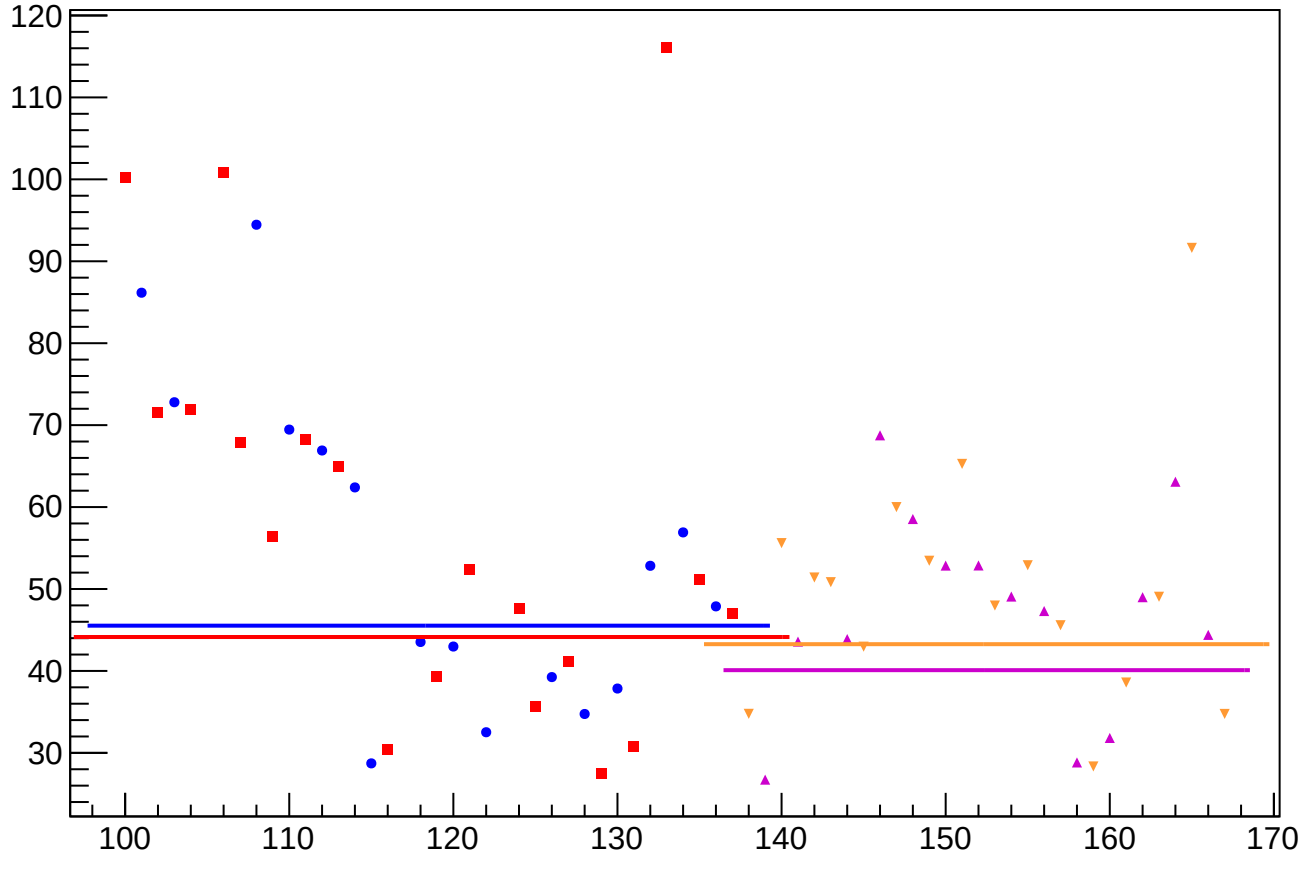
Left: 0.009+/-0.009 χ^2/NDF: 51.6/29

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.010 χ^2/NDF:31.0/29

Out: 0.006+/-0.010 χ^2/NDF:60.6/34

All: 0.003+/-0.007 χ^2/NDF: 91.9/64



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.266+/-0.009 χ^2/NDF:1569504.4/15

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.095+/-0.009 χ^2/NDF:1684084.1/13

Left: 41.657+/-0.006 χ^2/NDF: 3314899.1/29

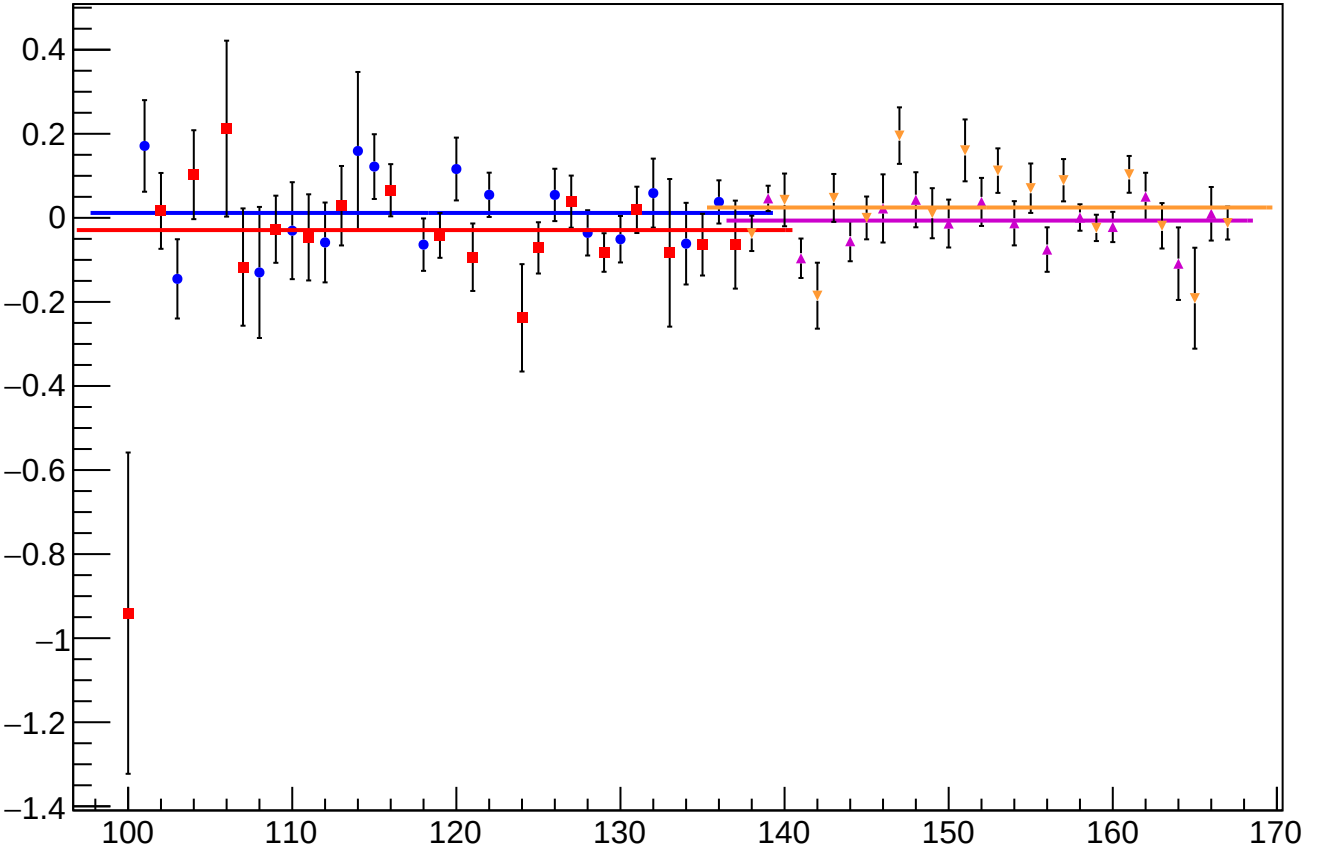
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.860+/-0.007 χ^2/NDF:3056655.3/29

Out: 43.566+/-0.007 χ^2/NDF:3316082.5/34

All: 42.711+/-0.005 χ^2/NDF: 6399356.3/64

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.025+/-0.013 χ^2/NDF:35.1/15

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.013 χ^2/NDF:13.5/13

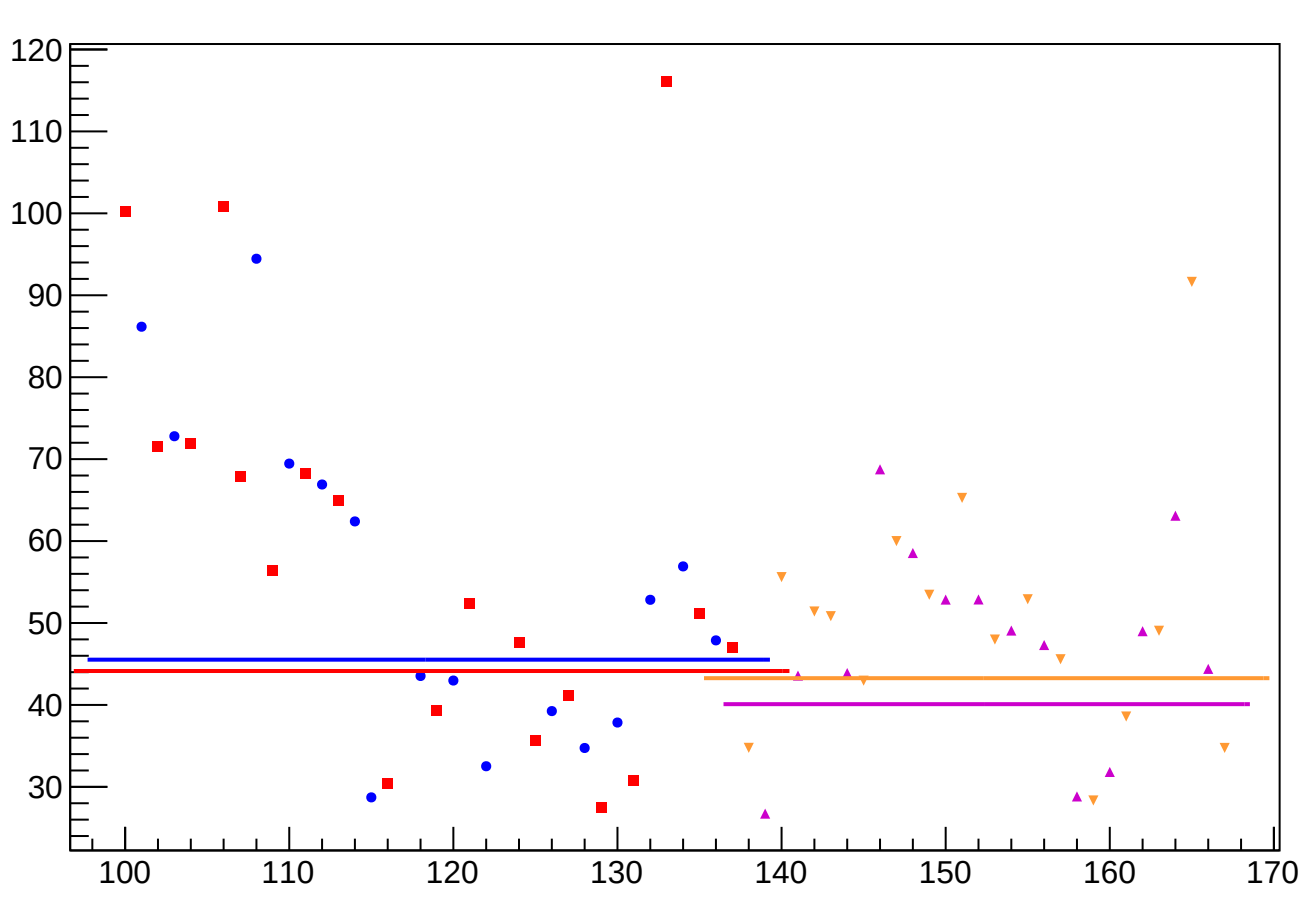
Left: 0.009+/-0.009 χ^2/NDF: 51.6/29

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.010 χ^2/NDF:31.0/29

Out: 0.006+/-0.010 χ^2/NDF:60.6/34

All: 0.003+/-0.007 χ^2/NDF: 91.9/64



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.266+/-0.009 χ^2/NDF:1569504.4/15

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.095+/-0.009 χ^2/NDF:1684084.1/13

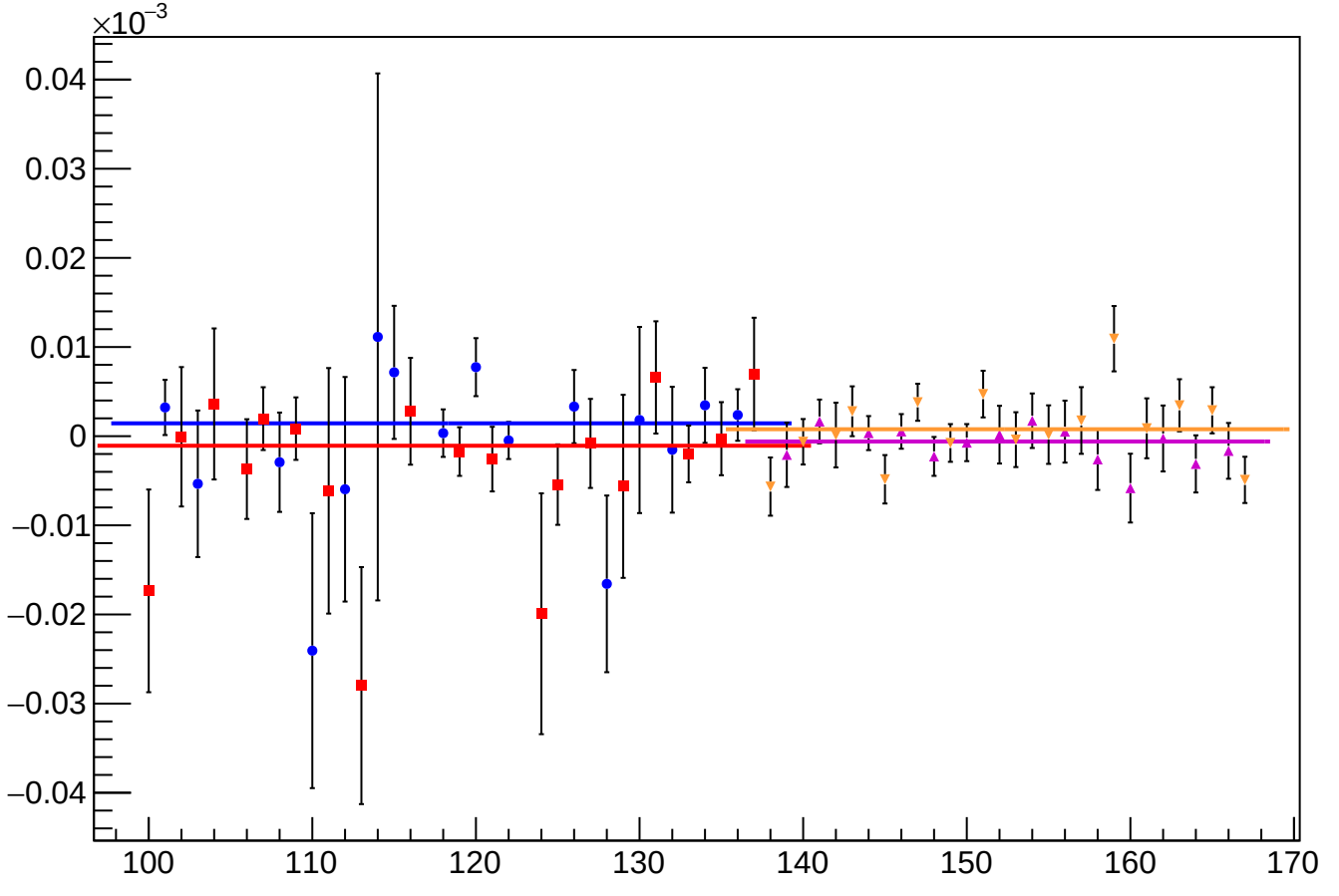
Left: 41.657+/-0.006 χ^2/NDF: 3314899.1/29

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.860+/-0.007 χ^2/NDF:3056655.3/29

Out: 43.566+/-0.007 χ^2/NDF:3316082.5/34

All: 42.711+/-0.005 χ^2/NDF: 6399356.3/64



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/13

Left: 0.000+/-0.000 χ^2/NDF: 35.9/29

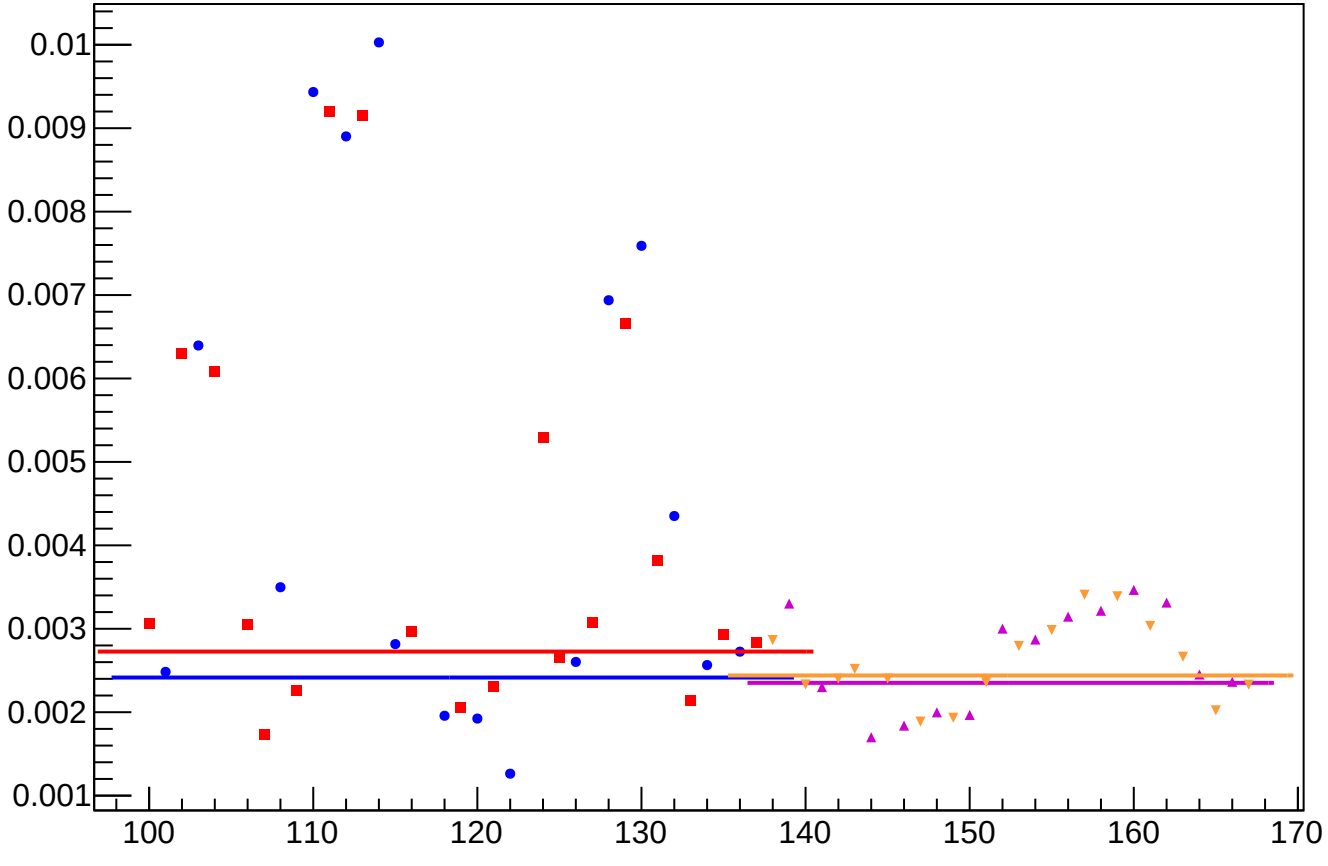
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:22.6/29

Out: 0.000+/-0.000 χ^2/NDF:45.0/34

All: 0.000+/-0.000 χ^2/NDF: 67.6/64

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:777319.0/15

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1306529.3/13

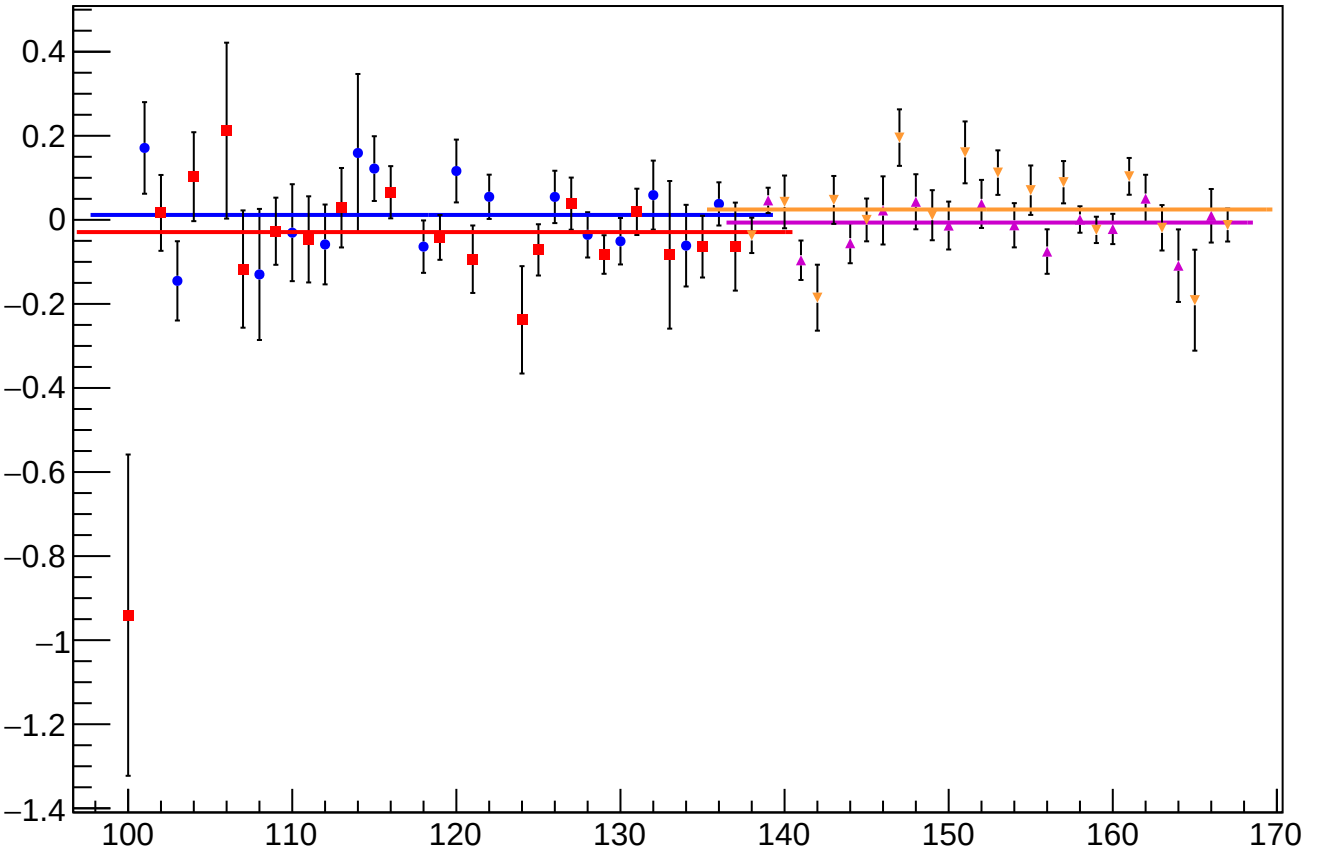
Left: 0.002+/-0.000 χ^2/NDF: 2099364.7/29

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4743709.8/29

Out: 0.003+/-0.000 χ^2/NDF:3376111.5/34

All: 0.002+/-0.000 χ^2/NDF: 8182291.2/64



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.025+/-0.013 χ^2/NDF:35.1/15

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.013 χ^2/NDF:13.5/13

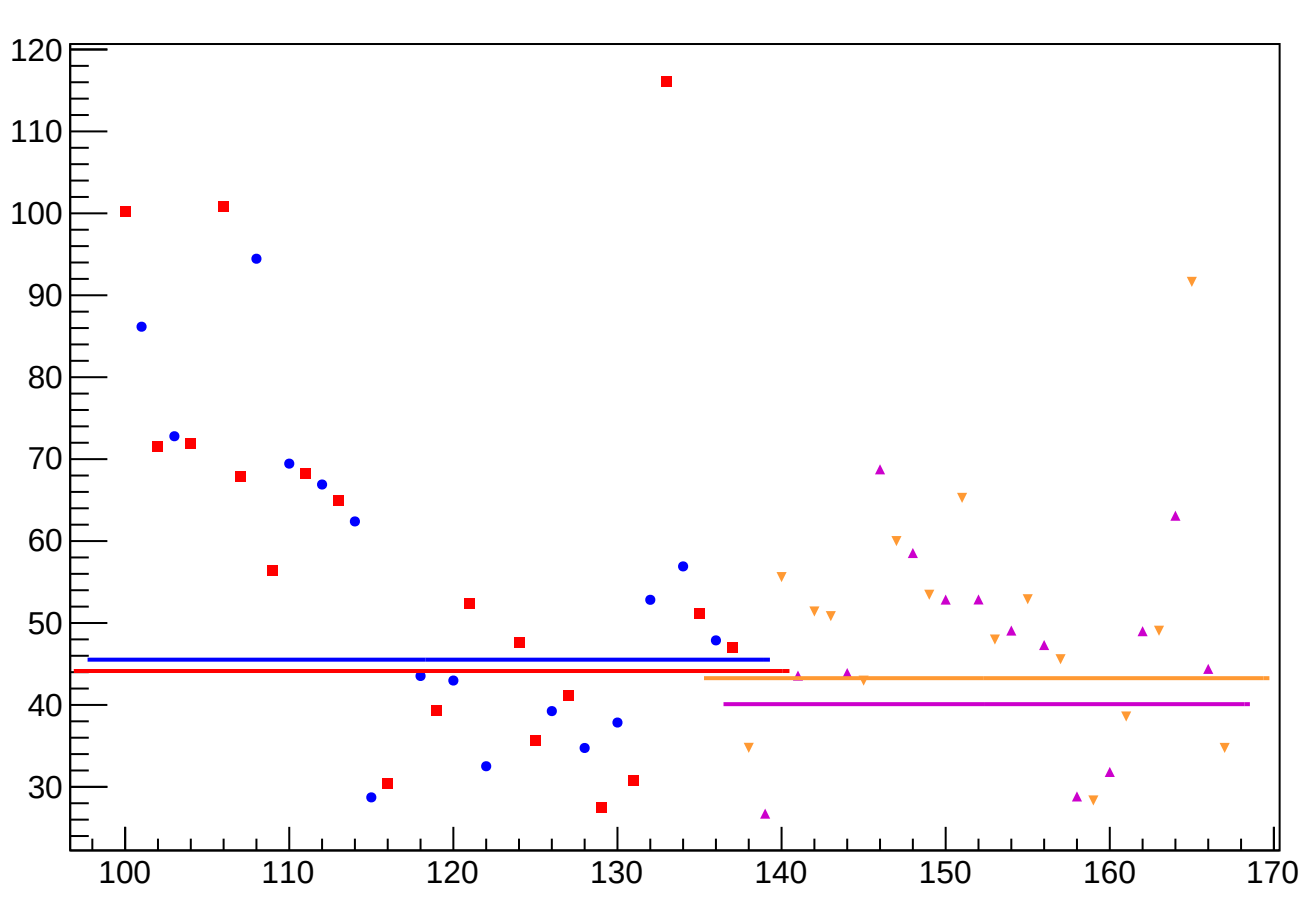
Left: 0.009+/-0.009 χ^2/NDF: 51.6/29

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.010 χ^2/NDF:31.0/29

Out: 0.006+/-0.010 χ^2/NDF:60.6/34

All: 0.003+/-0.007 χ^2/NDF: 91.9/64



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.266+/-0.009 χ^2/NDF:1569552.0/15

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.095+/-0.009 χ^2/NDF:1684143.6/13

Left: 41.657+/-0.006 χ^2/NDF: 3315006.0/29

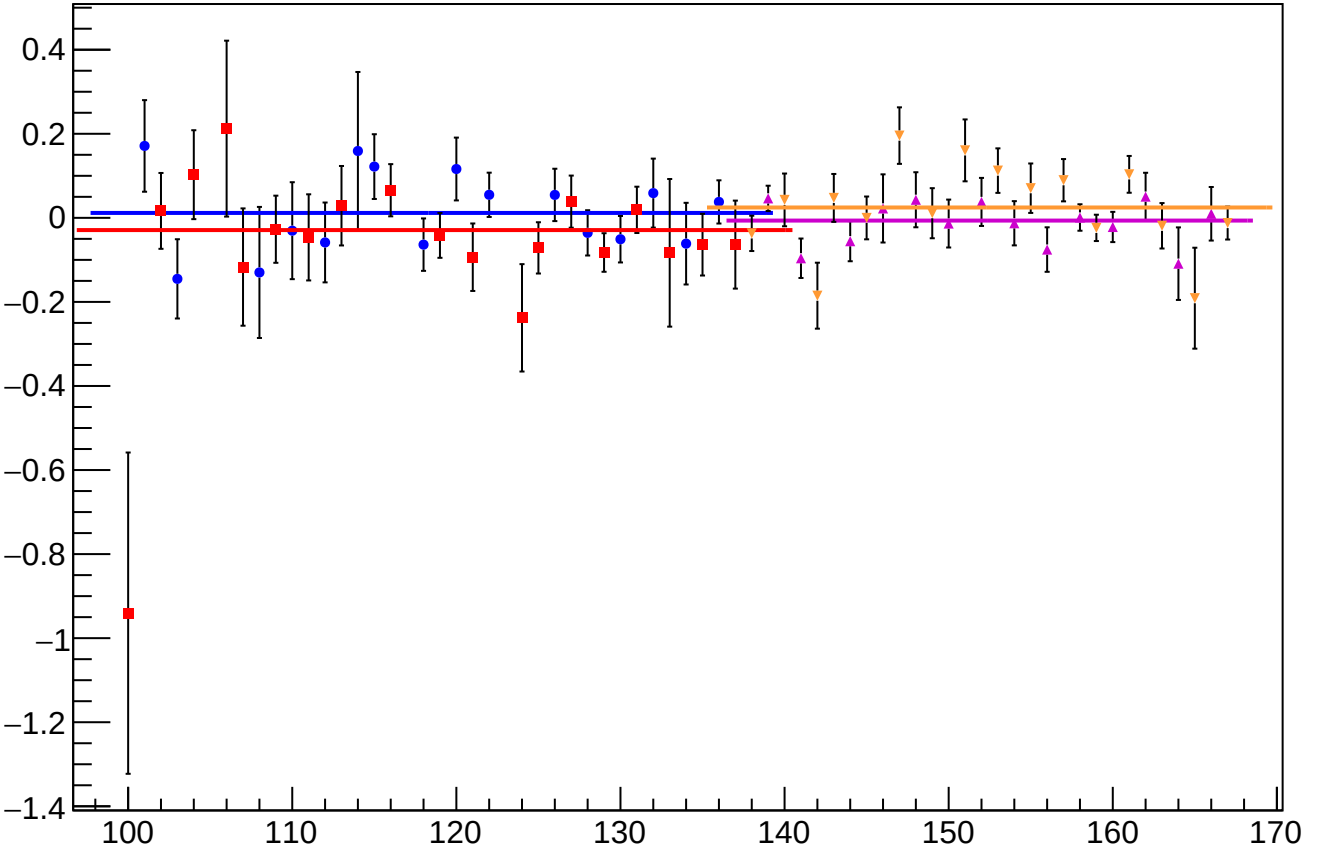
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.860+/-0.007 χ^2/NDF:3056661.3/29

Out: 43.566+/-0.007 χ^2/NDF:3316051.3/34

All: 42.712+/-0.005 χ^2/NDF: 6399334.4/64

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.025+/-0.013 χ^2/NDF:35.1/15

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.013 χ^2/NDF:13.5/13

Left: 0.009+/-0.009 χ^2/NDF: 51.6/29

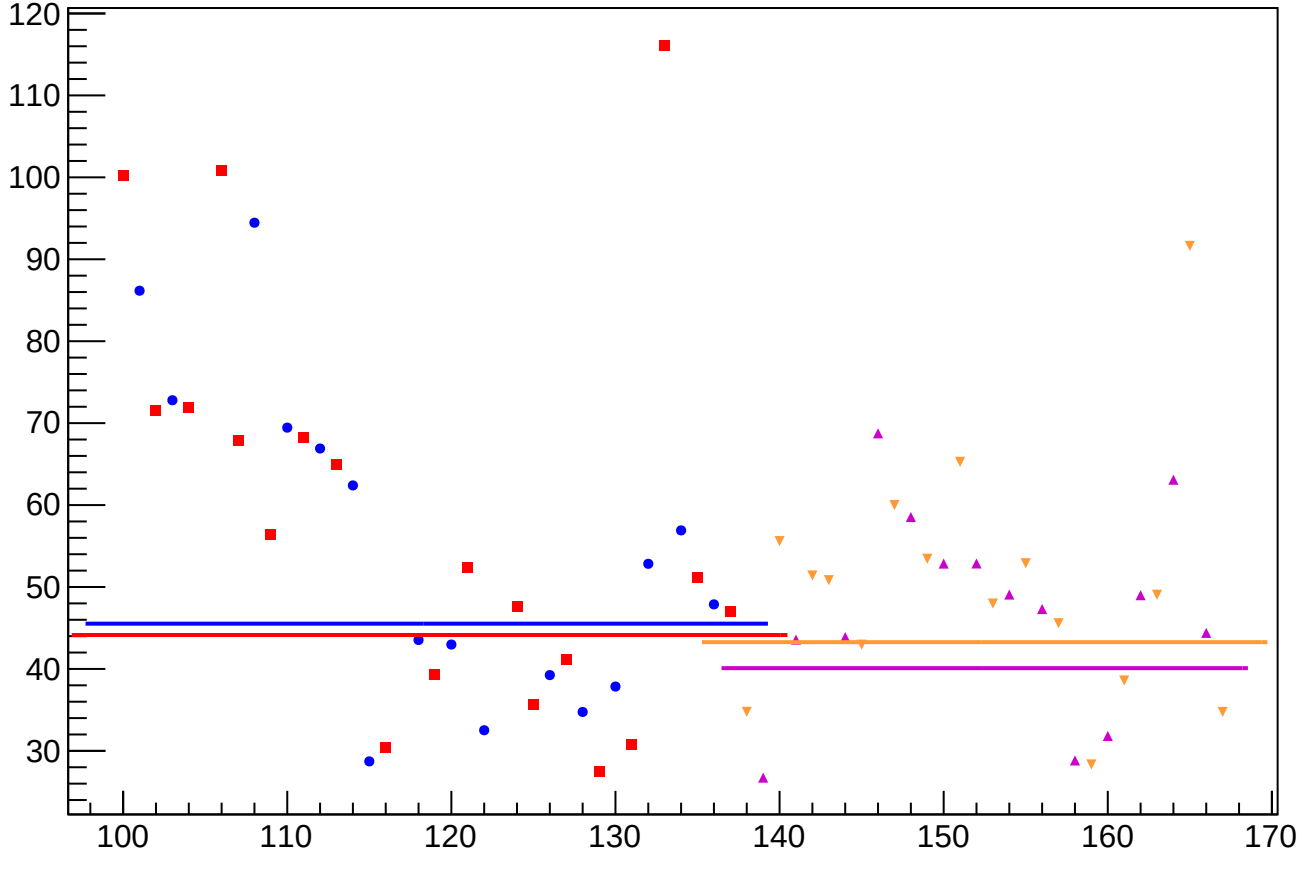
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.010 χ^2/NDF:31.0/29

Out: 0.006+/-0.010 χ^2/NDF:60.6/34

All: 0.003+/-0.007 χ^2/NDF: 91.9/64

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.266+/-0.009 χ^2/NDF:1569552.0/15

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.095+/-0.009 χ^2/NDF:1684143.6/13

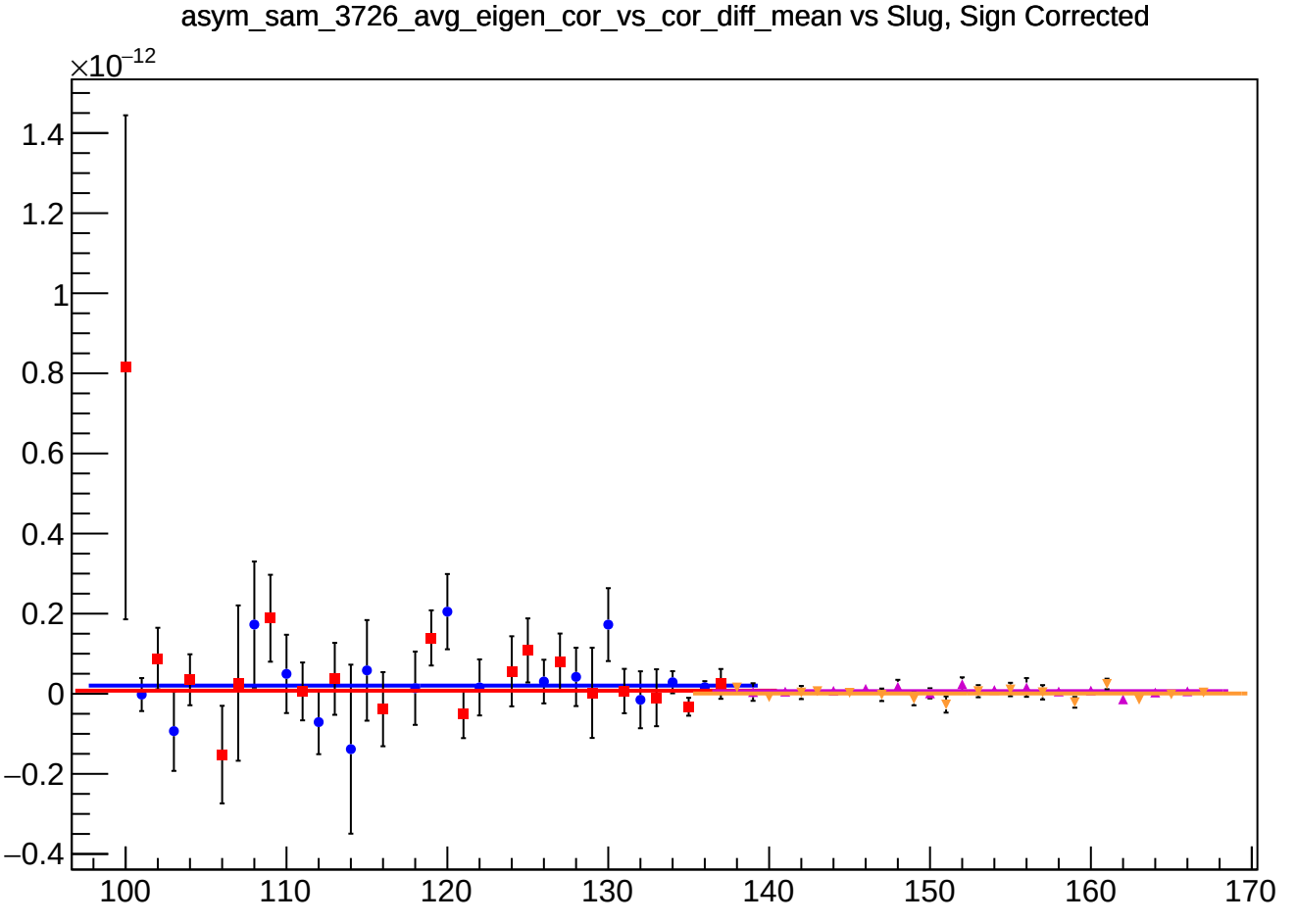
Left: 41.657+/-0.006 χ^2/NDF: 3315006.0/29

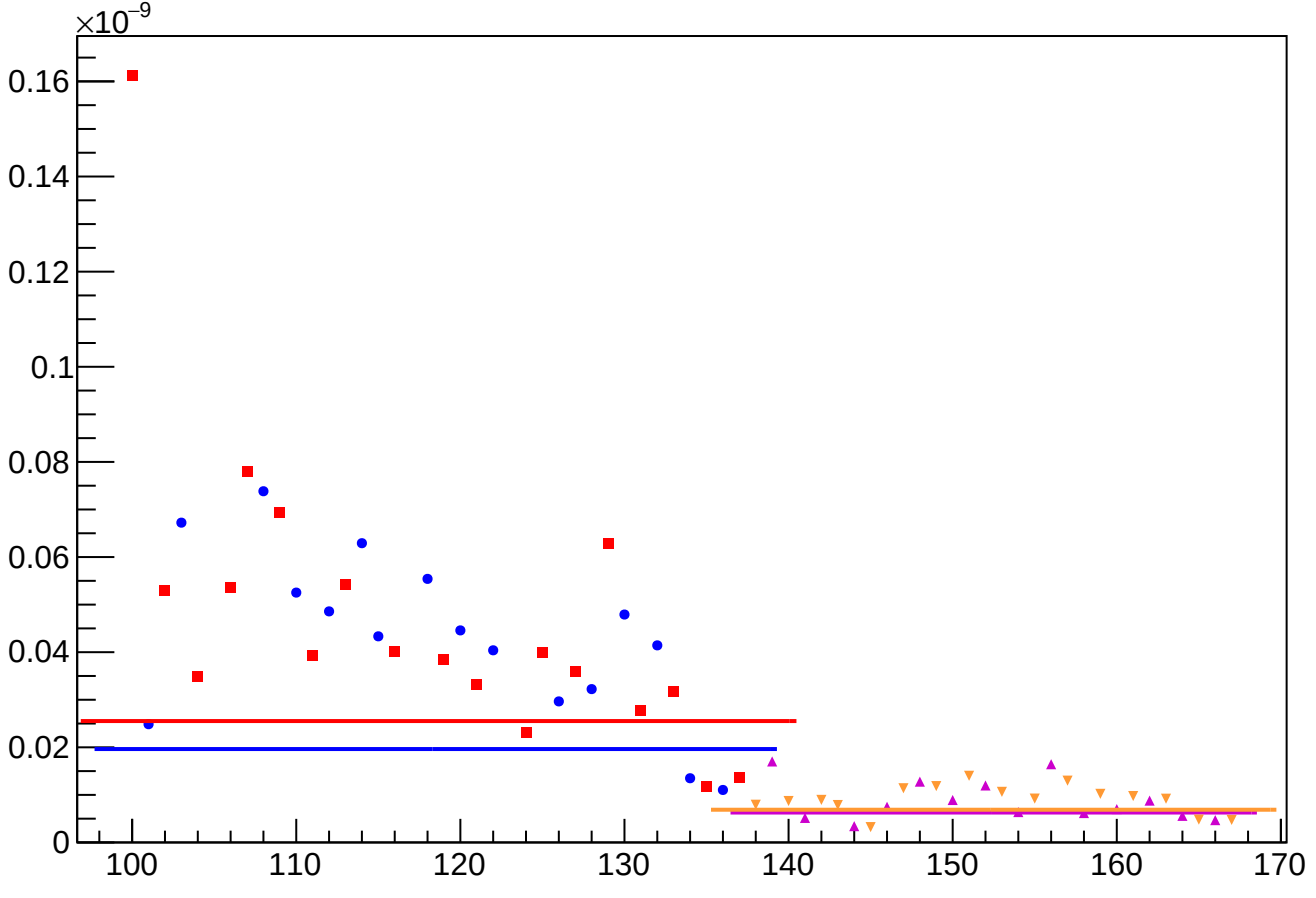
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.860+/-0.007 χ^2/NDF:3056661.3/29

Out: 43.566+/-0.007 χ^2/NDF:3316051.3/34

All: 42.712+/-0.005 χ^2/NDF: 6399334.4/64


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:13.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/18
Left In: 0.000+/-0.000 χ²/NDF:5.2/13
Left: 0.000+/-0.000 χ²/NDF: 20.8/29
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:18.5/29
Out: 0.000+/-0.000 χ²/NDF:32.4/34
All: 0.000+/-0.000 χ²/NDF: 53.6/64



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2562653.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2184664.3/13

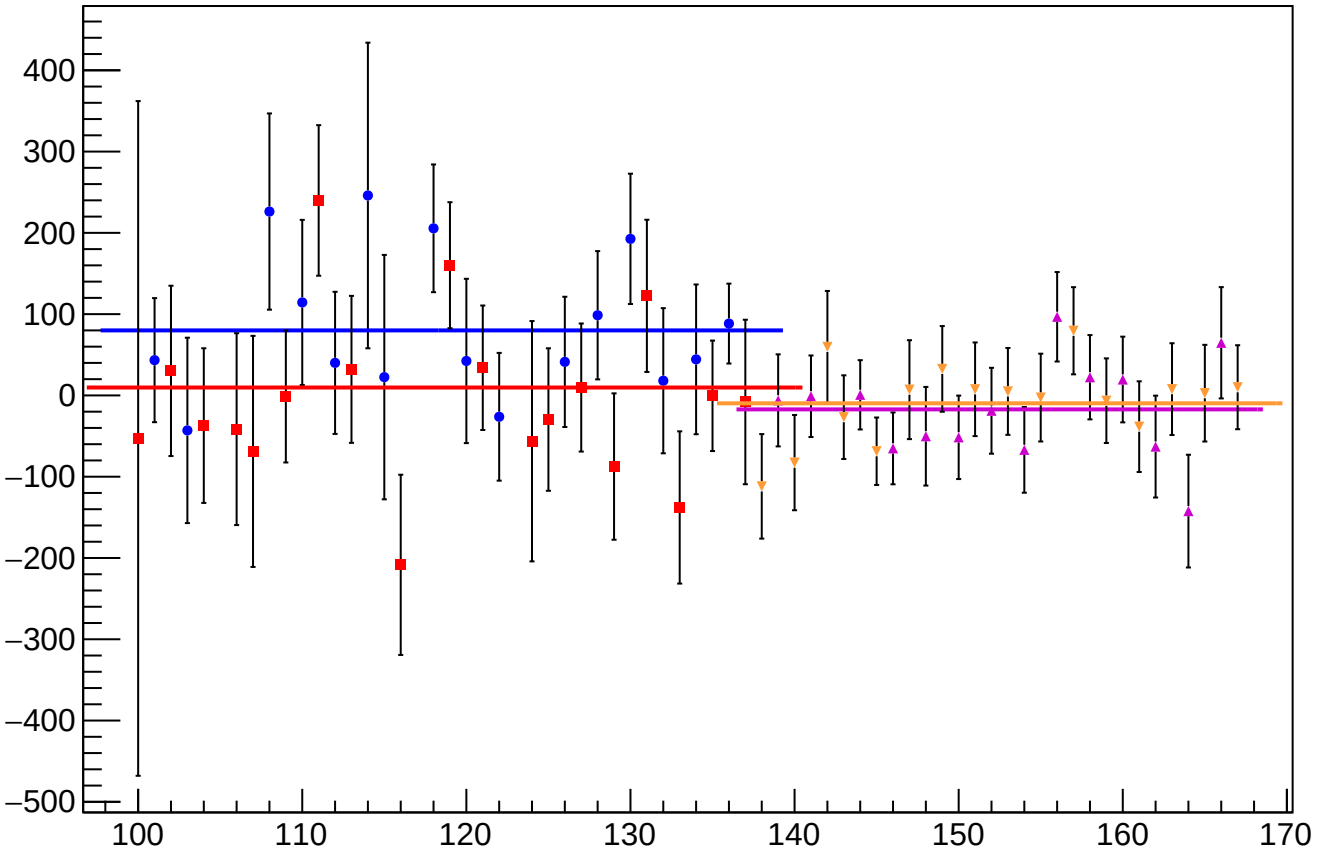
Left: 0.000+/-0.000 χ^2/NDF: 4792559.3/29

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8112006.8/29

Out: 0.000+/-0.000 χ^2/NDF:8826533.9/34

All: 0.000+/-0.000 χ^2/NDF: 16978576.2/64



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -9.713+/-13.689 χ^2/NDF:11.5/15

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -17.183+/-14.319 χ^2/NDF:13.7/13

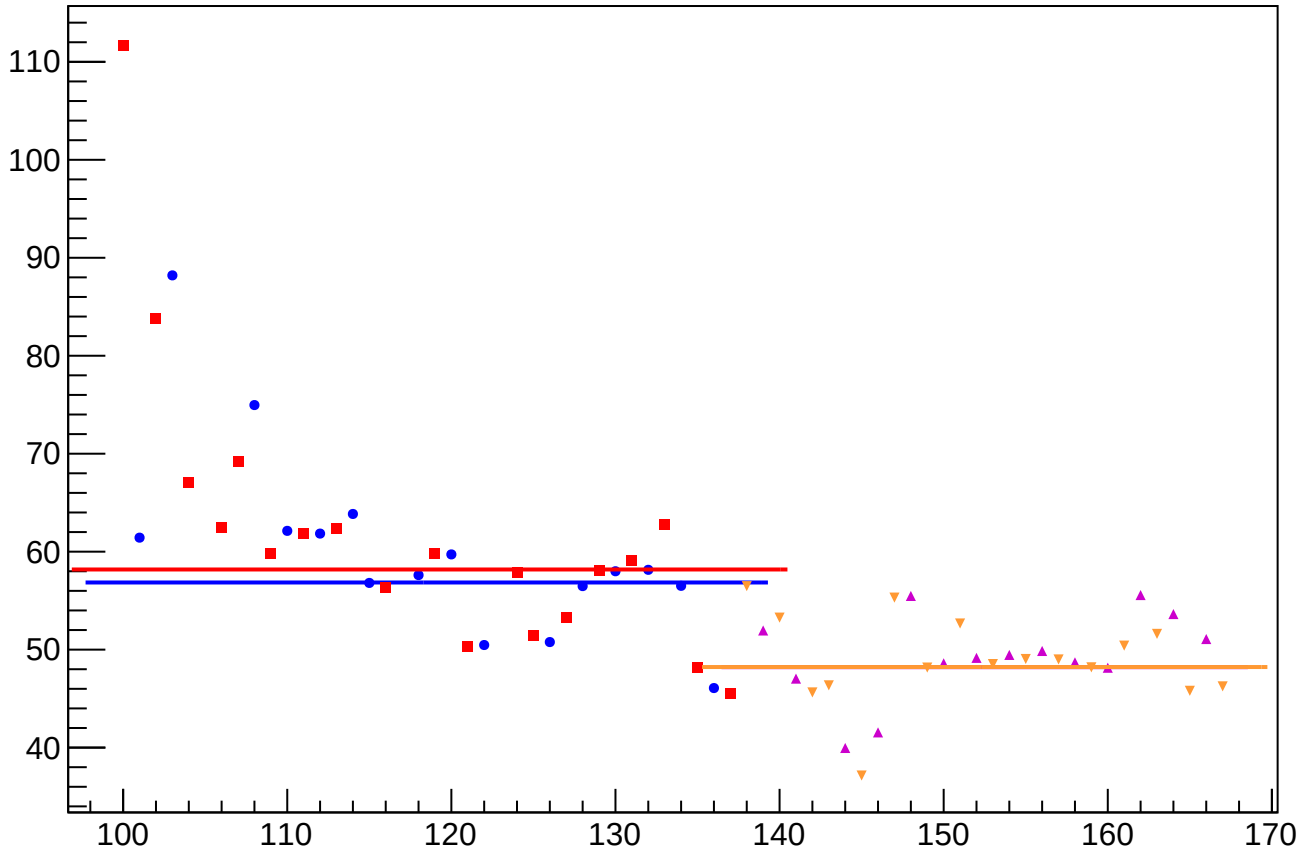
Left: -13.280+/-9.895 χ^2/NDF: 25.3/29

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 12.726+/-11.914 χ^2/NDF:39.4/29

Out: -4.148+/-11.565 χ^2/NDF:32.4/34

All: 4.039+/-8.298 χ^2/NDF: 72.8/64



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.224+/-0.010 χ^2/NDF:252196.7/15

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 48.211+/-0.010 χ^2/NDF:205922.9/13

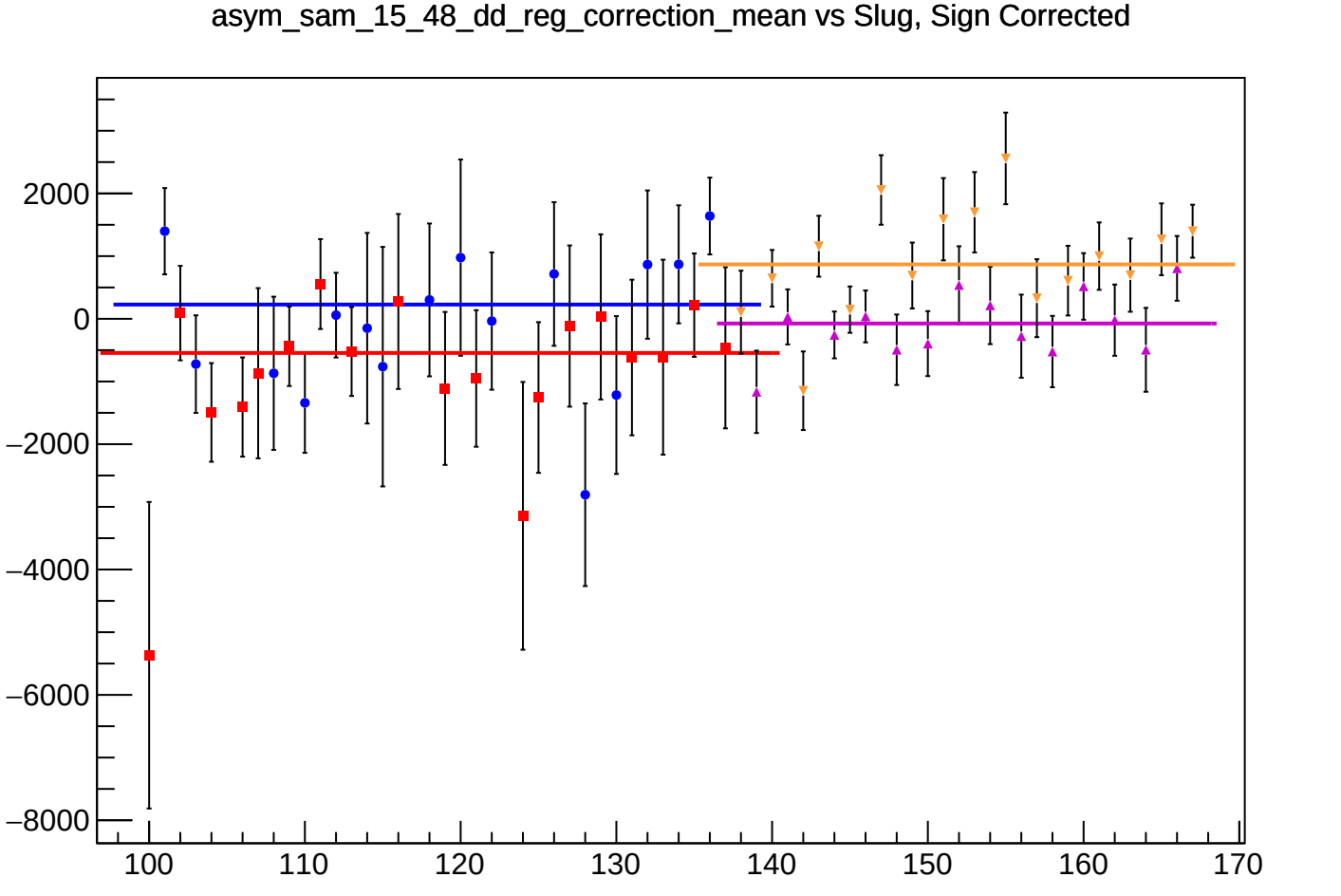
Left: 48.218+/-0.007 χ^2/NDF: 458120.4/29

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.871+/-0.008 χ^2/NDF:771811.0/29

Out: 51.074+/-0.008 χ^2/NDF:869762.8/34

All: 50.976+/-0.006 χ^2/NDF: 1641872.1/64



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 867.731+/-134.054 χ^2/NDF:32.2/15

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -75.116+/-140.552 χ^2/NDF:10.5/13

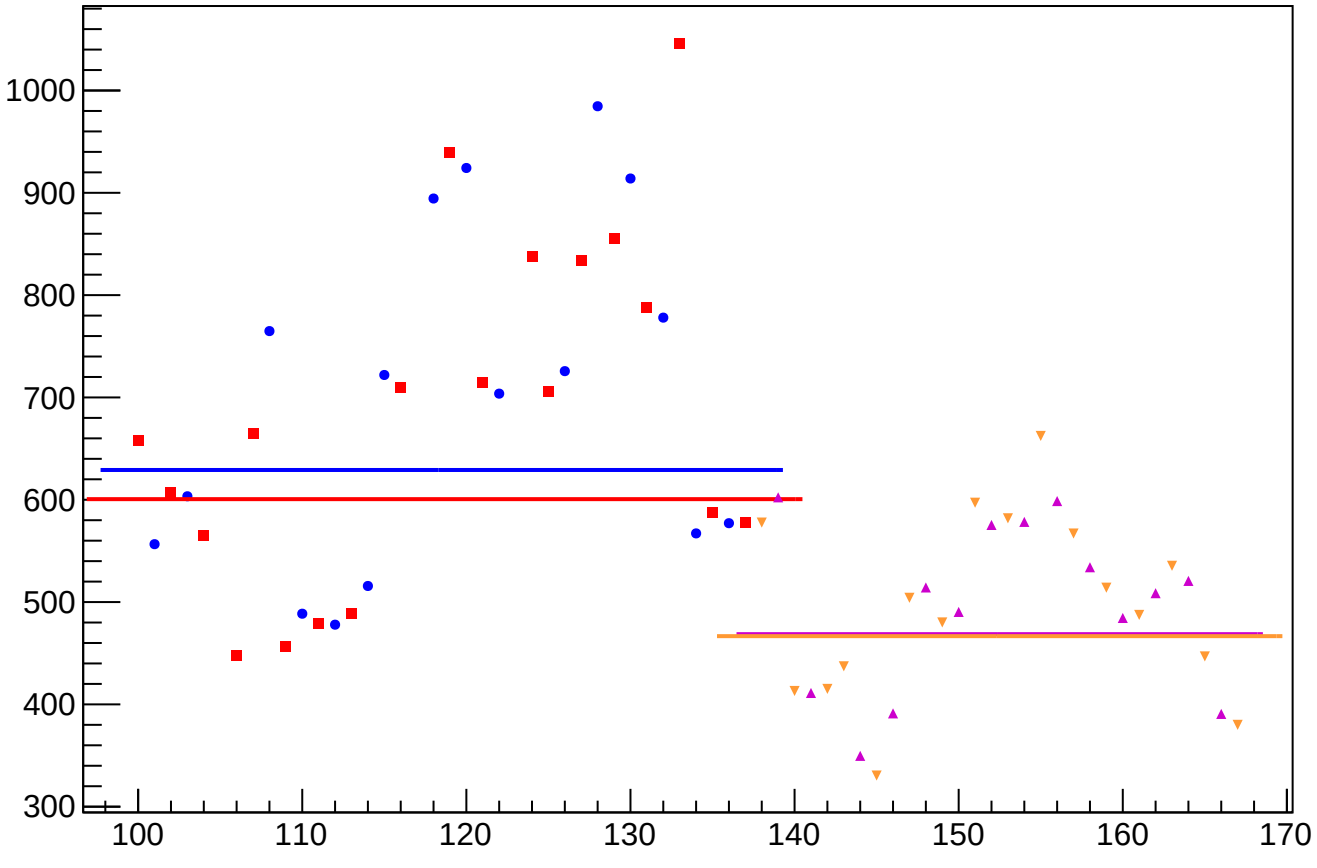
Left: 418.605+/-97.007 χ^2/NDF: 66.3/29

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: 1.584+/-121.442 χ^2/NDF:33.3/29

Out: 503.078+/-115.461 χ^2/NDF:74.2/34

All: 264.982+/-83.678 χ^2/NDF: 116.5/64



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 466.676+/-0.095 χ^2/NDF:858296.2/15

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 468.633+/-0.099 χ^2/NDF:701990.2/13

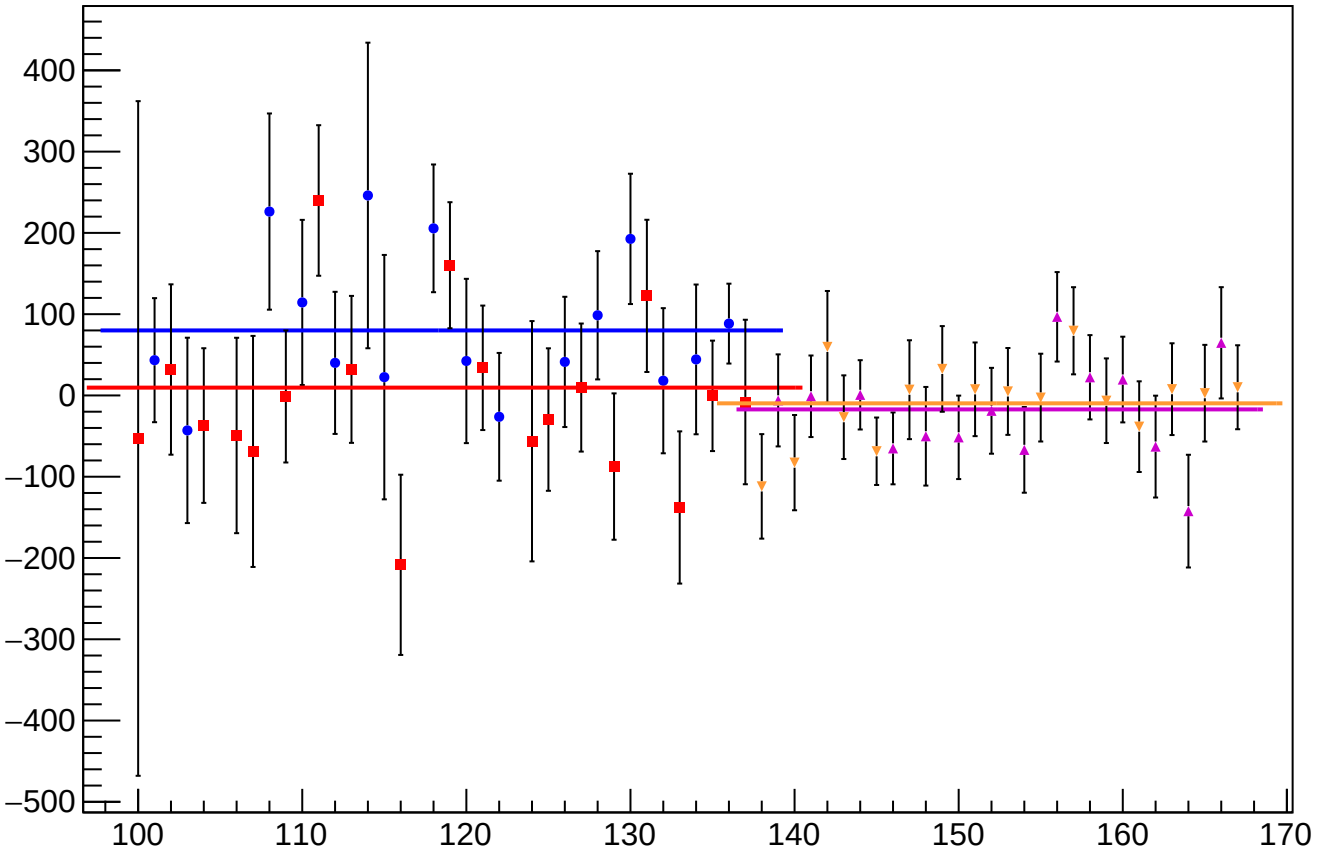
Left: 467.608+/-0.069 χ^2/NDF: 1560489.4/29

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 509.302+/-0.086 χ^2/NDF:2055399.7/29

Out: 501.249+/-0.082 χ^2/NDF:2248174.4/34

All: 505.072+/-0.059 χ^2/NDF: 4308193.7/64



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -9.715+/-13.689 χ^2/NDF:11.5/15

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -17.184+/-14.319 χ^2/NDF:13.7/13

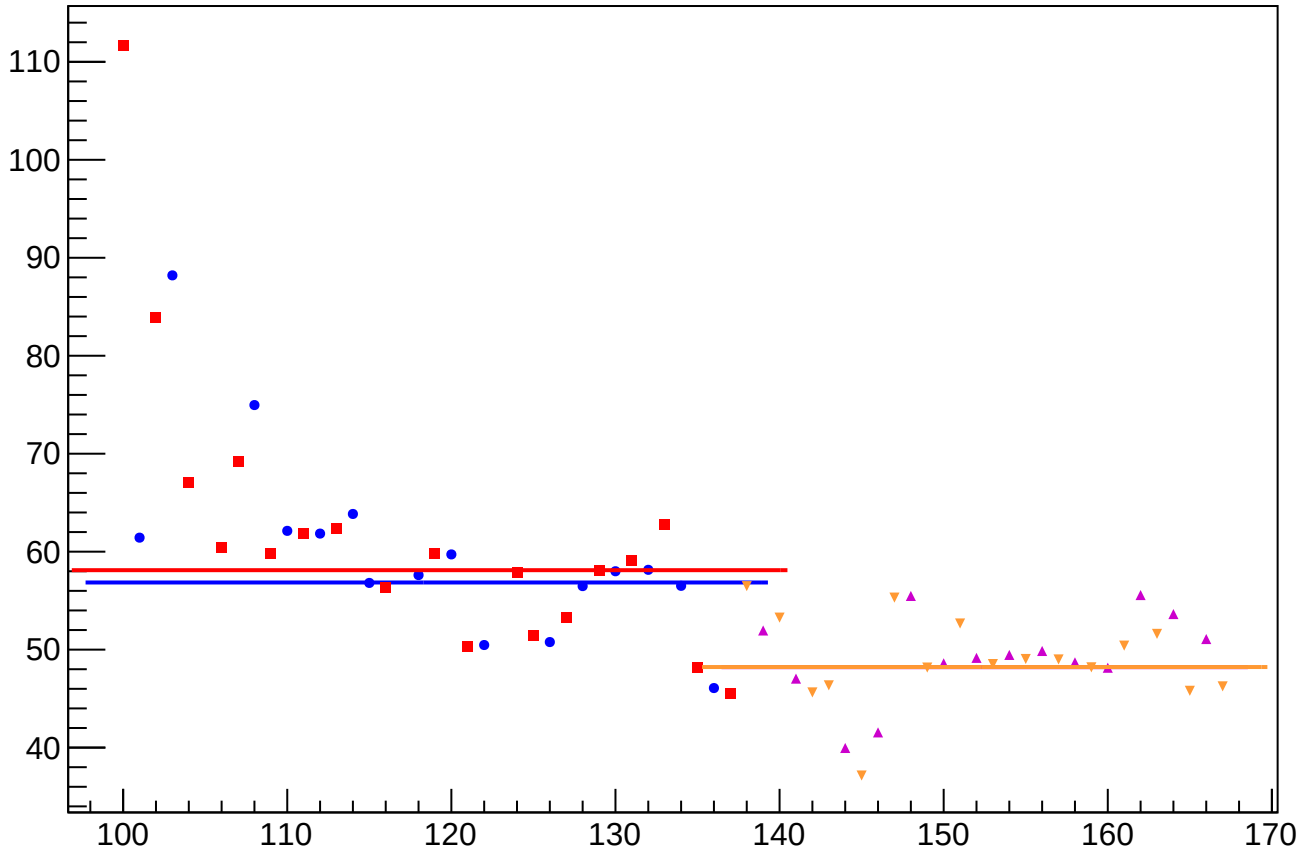
Left: -13.282+/-9.895 χ^2/NDF: 25.3/29

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 12.727+/-11.914 χ^2/NDF:39.4/29

Out: -4.186+/-11.567 χ^2/NDF:32.4/34

All: 4.021+/-8.299 χ^2/NDF: 72.9/64



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.224+/-0.010 χ^2/NDF:252196.7/15

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.211+/-0.010 χ^2/NDF:205922.9/13

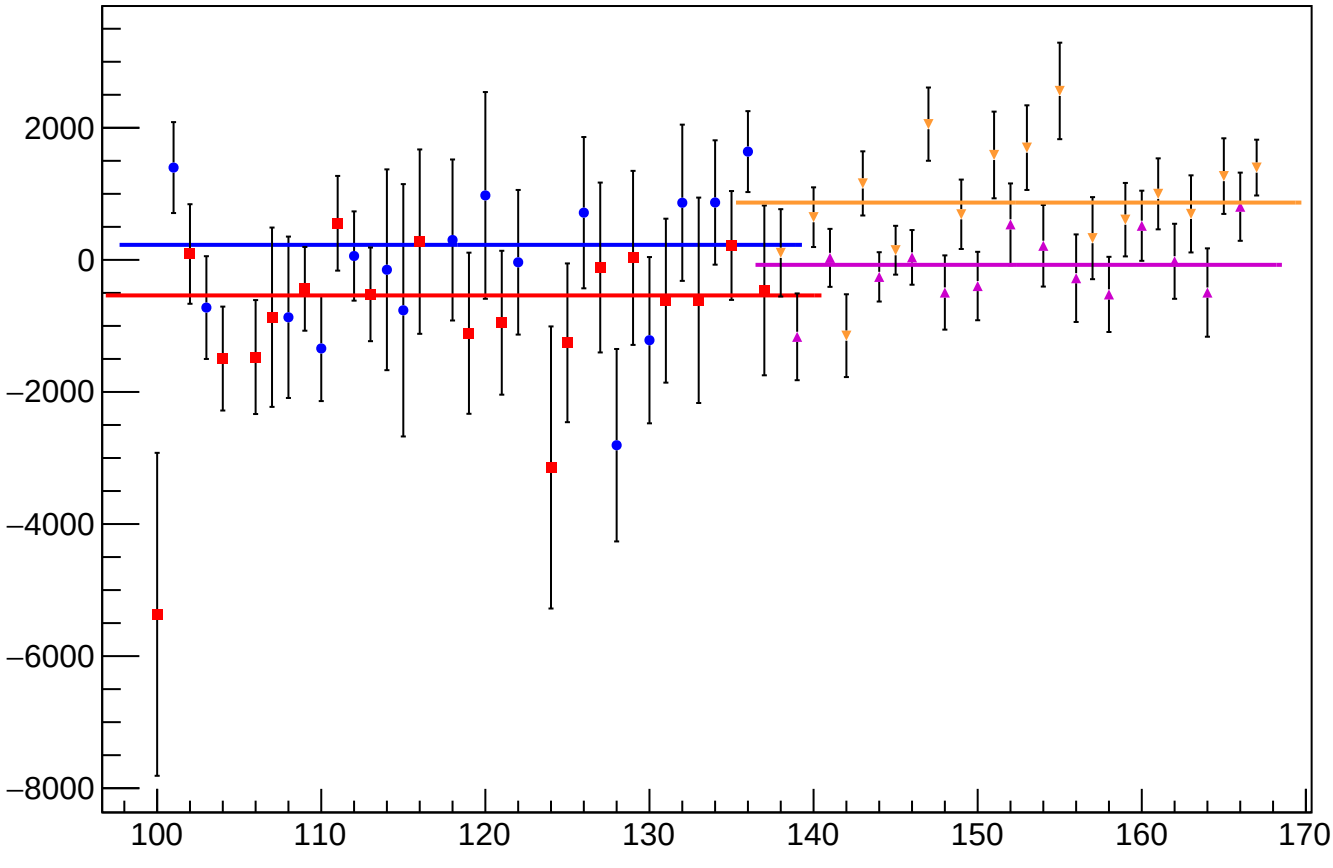
Left: 48.218+/-0.007 χ^2/NDF: 458120.4/29

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.871+/-0.008 χ^2/NDF:771815.0/29

Out: 51.051+/-0.008 χ^2/NDF:863485.5/34

All: 50.964+/-0.006 χ^2/NDF: 1635535.5/64



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 867.728+/-134.054 χ^2/NDF:32.2/15

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -75.119+/-140.552 χ^2/NDF:10.5/13

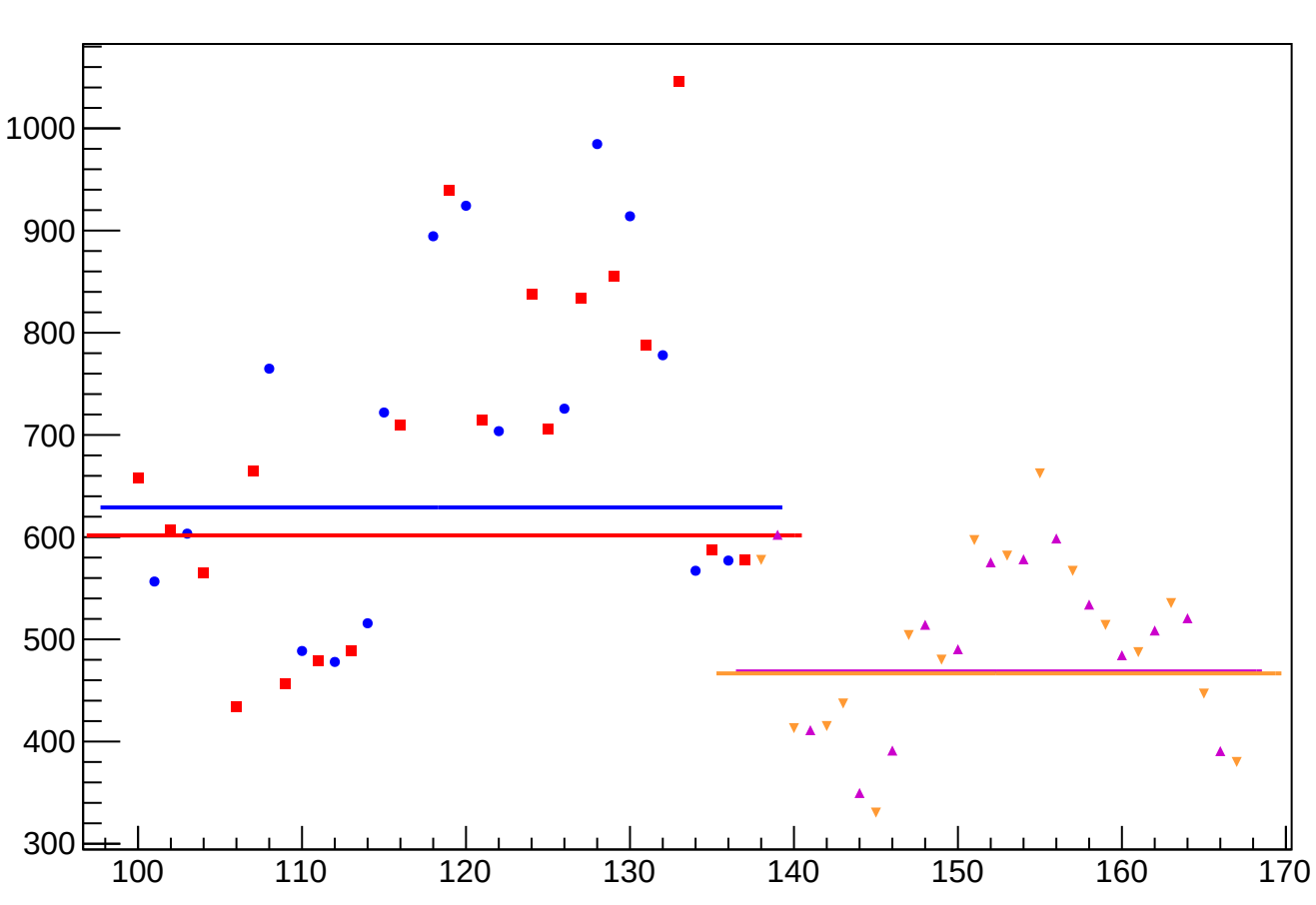
Left: 418.602+/-97.007 χ^2/NDF: 66.3/29

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 1.591+/-121.442 χ^2/NDF:33.3/29

Out: 508.351+/-115.658 χ^2/NDF:73.6/34

All: 267.326+/-83.753 χ^2/NDF: 116.1/64



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 466.676+/-0.095 χ^2/NDF:858298.4/15

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 468.633+/-0.099 χ^2/NDF:701987.7/13

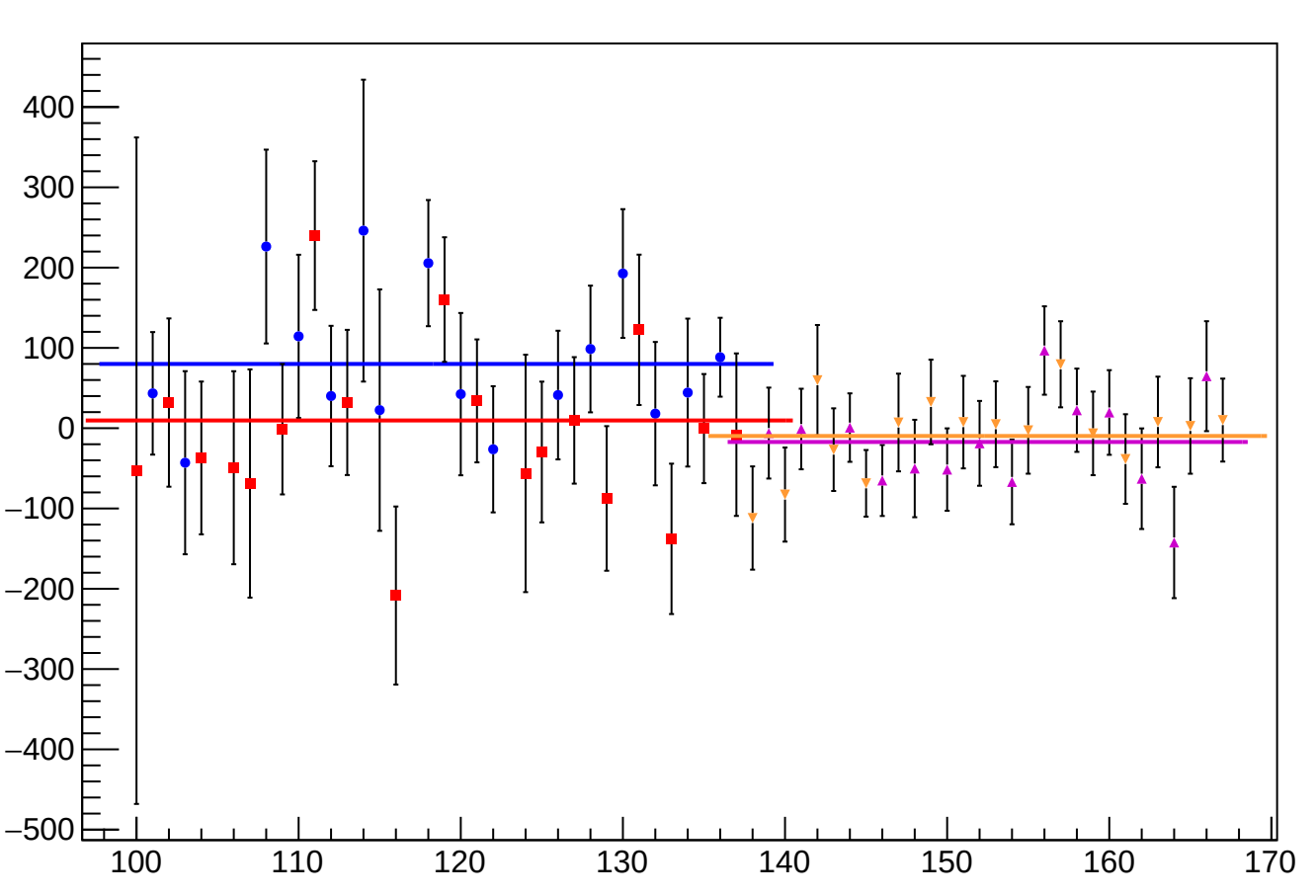
Left: 467.608+/-0.069 χ^2/NDF: 1560489.1/29

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 509.303+/-0.086 χ^2/NDF:2055419.2/29

Out: 501.198+/-0.082 χ^2/NDF:2251181.2/34

All: 505.053+/-0.059 χ^2/NDF: 4311272.1/64



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -9.715+/-13.689 χ^2/NDF:11.5/15

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -17.184+/-14.319 χ^2/NDF:13.7/13

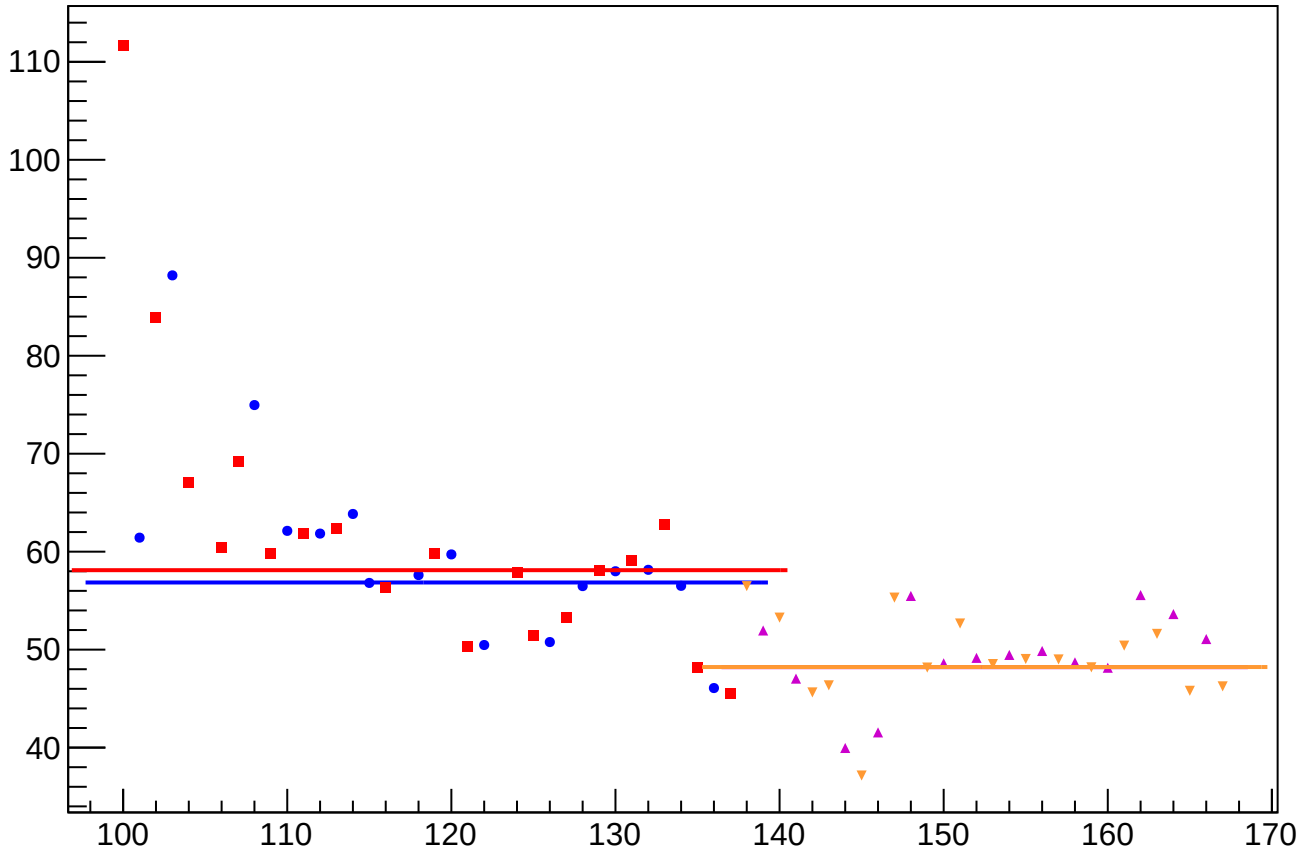
Left: -13.282+/-9.895 χ^2/NDF: 25.3/29

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 12.727+/-11.914 χ^2/NDF:39.4/29

Out: -4.186+/-11.567 χ^2/NDF:32.4/34

All: 4.021+/-8.299 χ^2/NDF: 72.9/64



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.224+/-0.010 χ^2/NDF:252196.7/15

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.211+/-0.010 χ^2/NDF:205922.9/13

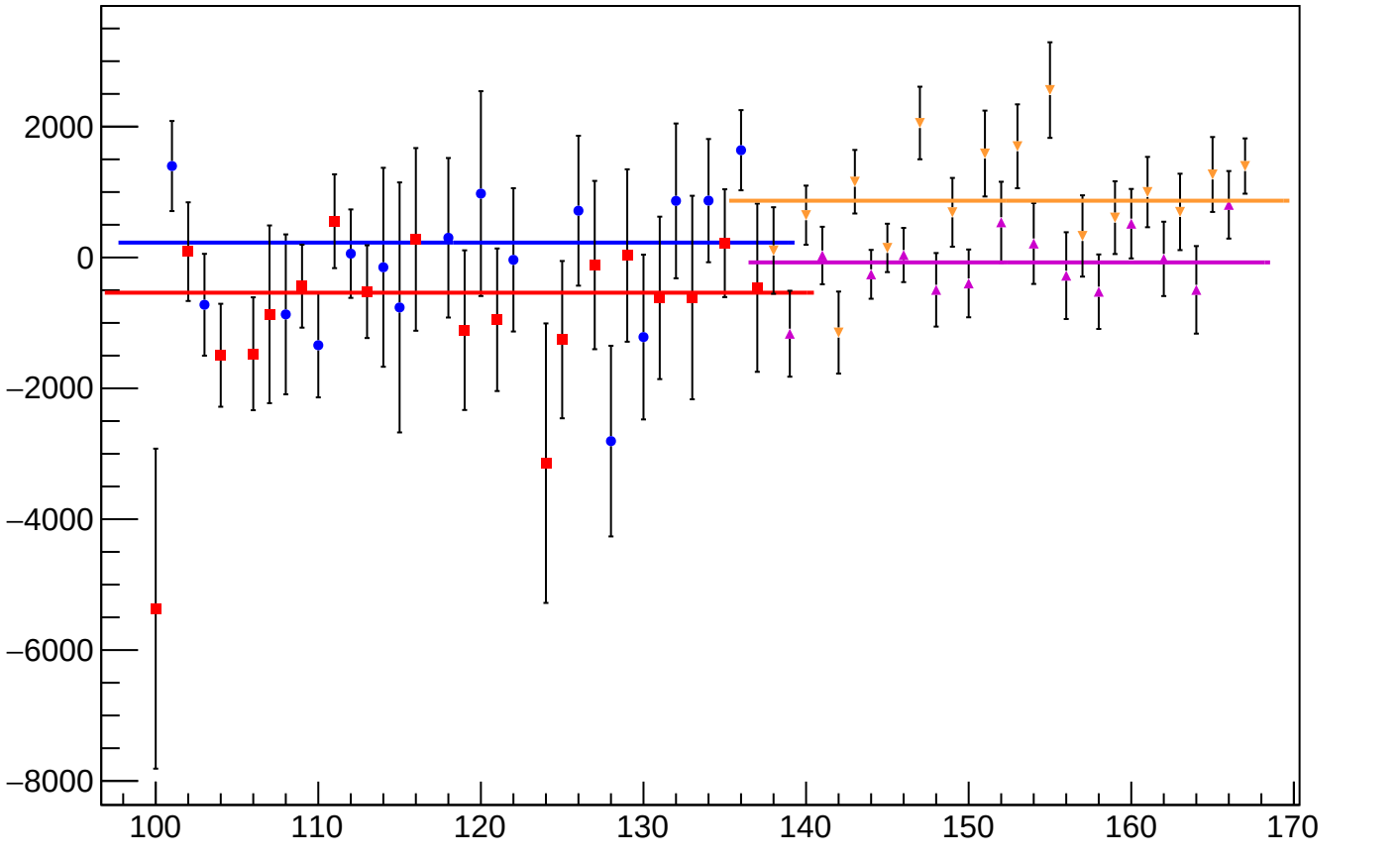
Left: 48.218+/-0.007 χ^2/NDF: 458120.4/29

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.871+/-0.008 χ^2/NDF:771815.0/29

Out: 51.051+/-0.008 χ^2/NDF:863485.5/34

All: 50.964+/-0.006 χ^2/NDF: 1635535.5/64



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 867.728+/-134.054 χ^2/NDF:32.2/15

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -75.119+/-140.552 χ^2/NDF:10.5/13

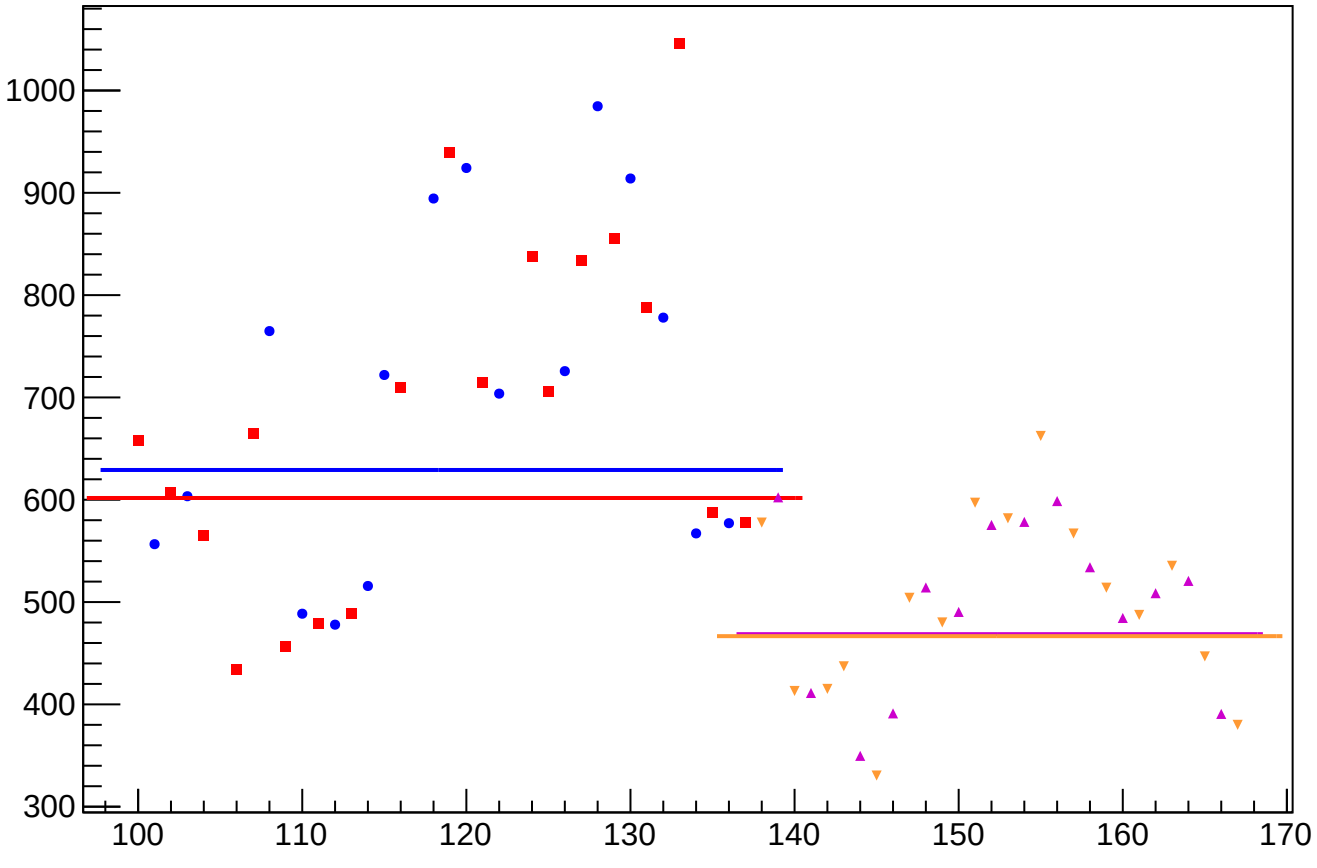
Left: 418.602+/-97.007 χ^2/NDF: 66.3/29

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 1.591+/-121.442 χ^2/NDF:33.3/29

Out: 508.351+/-115.658 χ^2/NDF:73.6/34

All: 267.326+/-83.753 χ^2/NDF: 116.1/64



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 466.676+/-0.095 χ^2/NDF:858298.4/15

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 468.633+/-0.099 χ^2/NDF:701987.7/13

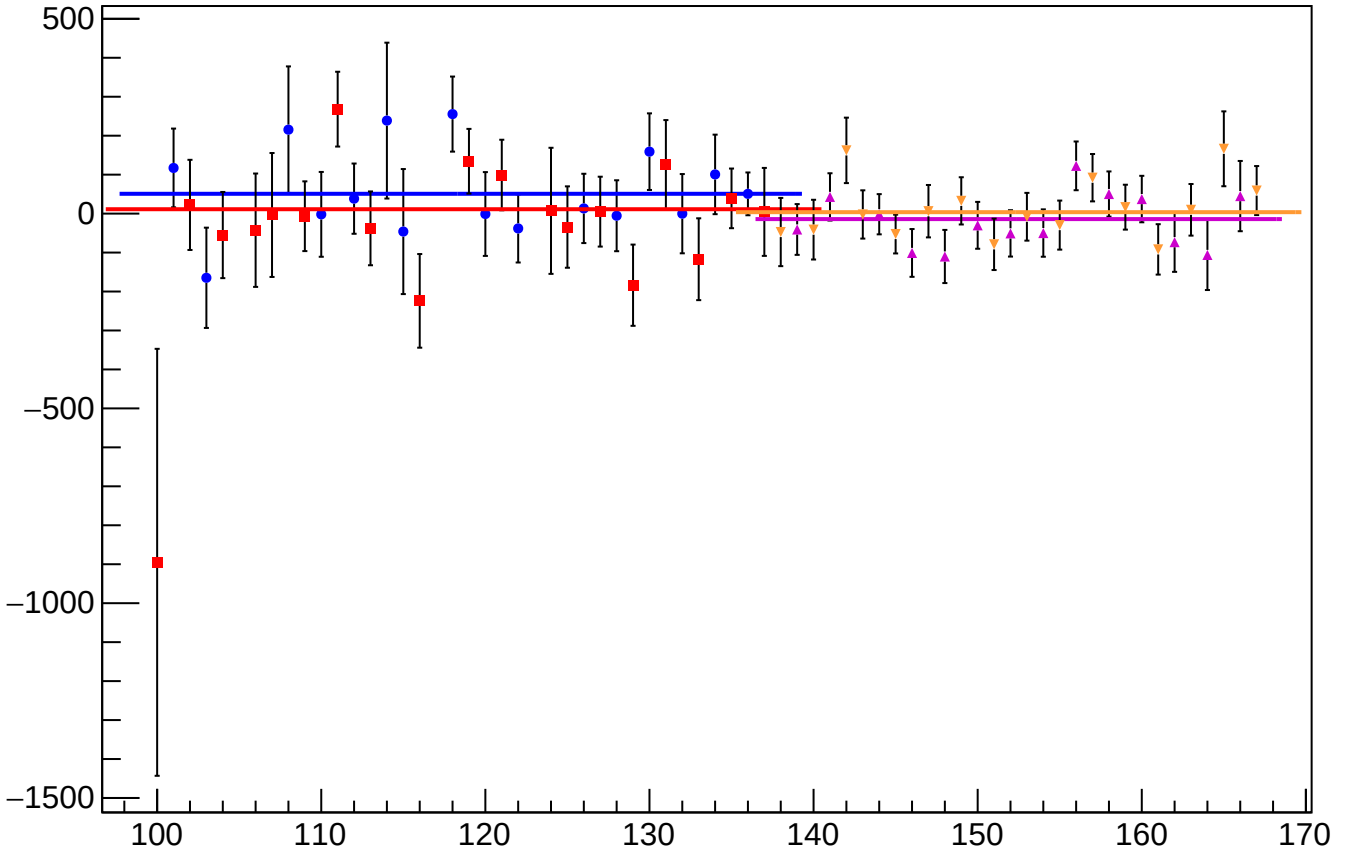
Left: 467.608+/-0.069 χ^2/NDF: 1560489.1/29

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 509.303+/-0.086 χ^2/NDF:2055419.2/29

Out: 501.198+/-0.082 χ^2/NDF:2251181.2/34

All: 505.053+/-0.059 χ^2/NDF: 4311272.1/64



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: 3.687+/-16.336 χ^2/NDF:15.6/15

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -14.081+/-17.038 χ^2/NDF:14.7/13

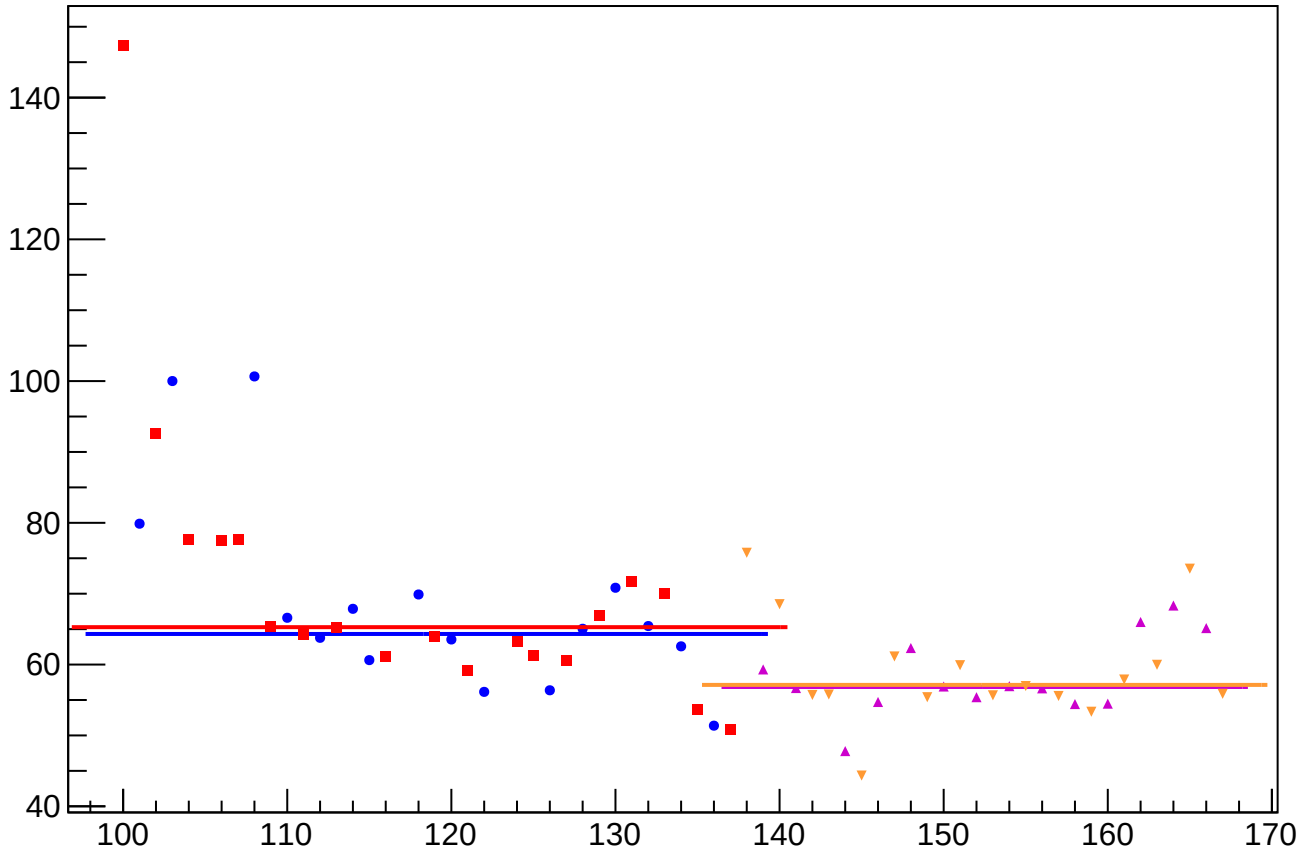
Left: -4.823+/-11.792 χ^2/NDF: 30.9/29

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 7.097+/-13.986 χ^2/NDF:33.3/29

Out: 6.041+/-13.561 χ^2/NDF:39.7/34

All: 6.553+/-9.736 χ^2/NDF: 73.0/64



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 57.130+/-0.012 χ^2/NDF:354693.6/15

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 56.837+/-0.012 χ^2/NDF:165905.7/13

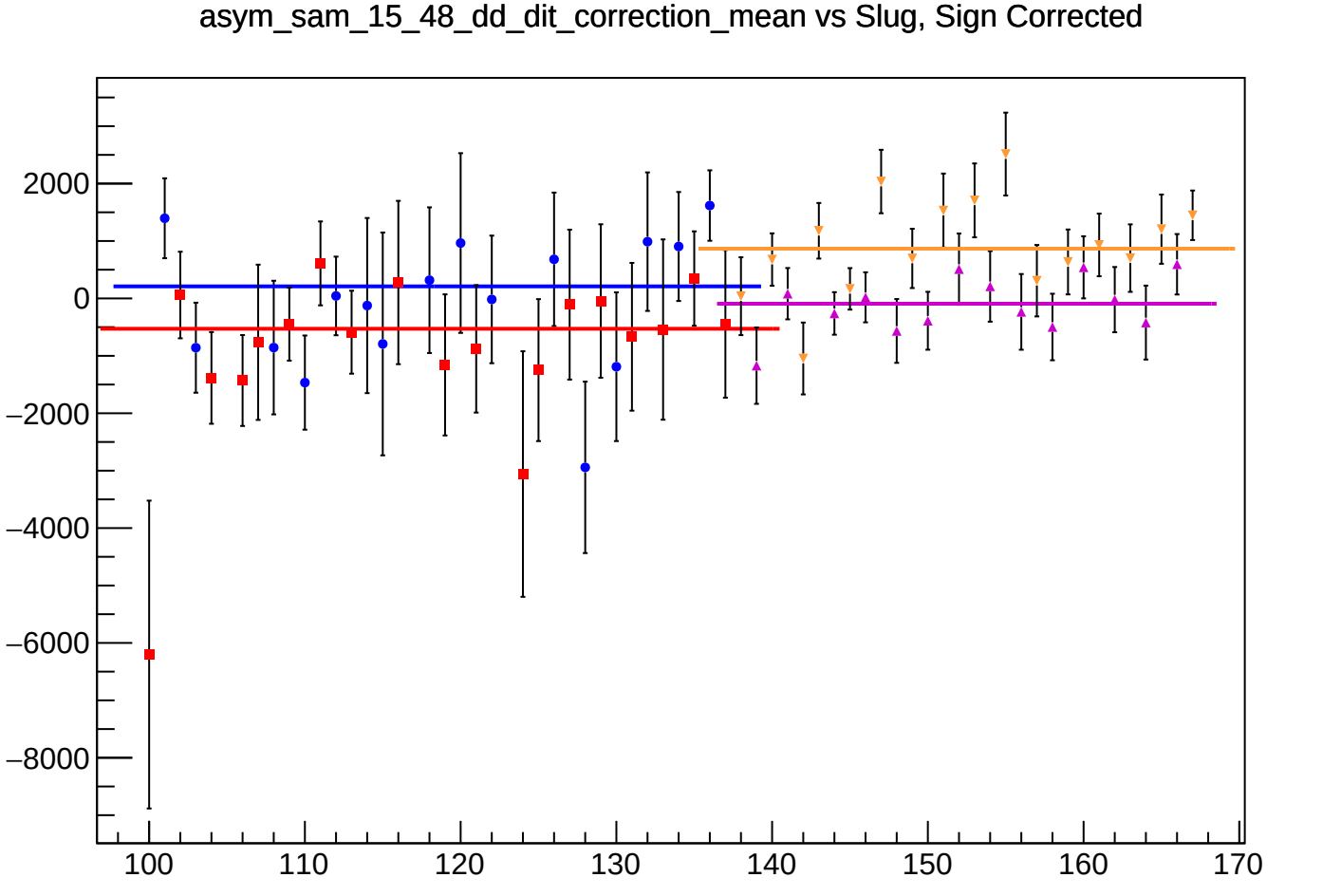
Left: 56.990+/-0.008 χ^2/NDF: 520908.8/29

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.276+/-0.010 χ^2/NDF:756571.8/29

Out: 59.663+/-0.010 χ^2/NDF:828451.2/34

All: 59.475+/-0.007 χ^2/NDF: 1585810.9/64



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 866.673+/-134.430 χ^2/NDF:30.9/15

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -92.425+/-141.350 χ^2/NDF:9.2/13

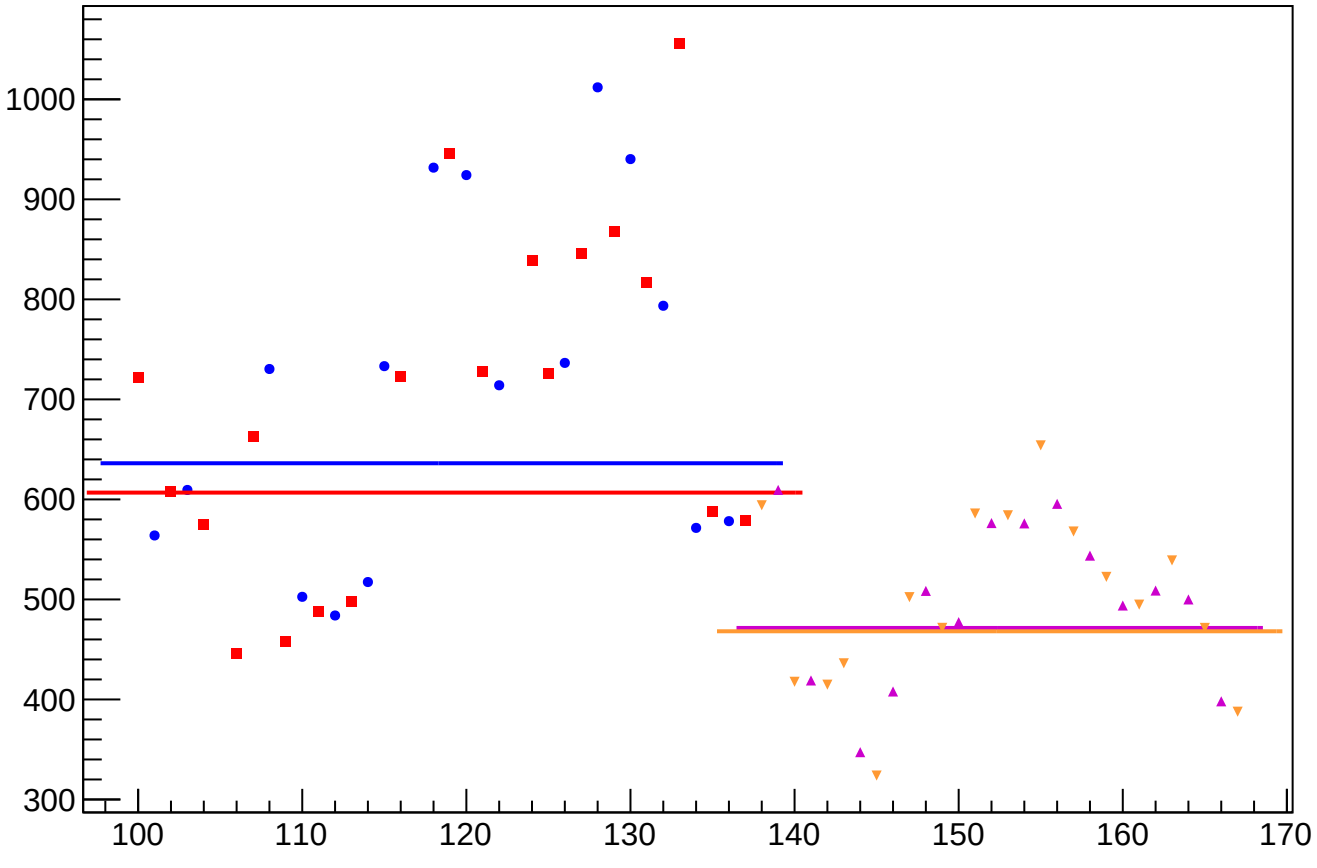
Left: 411.176+/-97.411 χ^2/NDF: 64.3/29

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -16.336+/-122.284 χ^2/NDF:32.8/29

Out: 510.634+/-116.019 χ^2/NDF:72.3/34

All: 260.994+/-84.165 χ^2/NDF: 114.8/64



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 468.157+/-0.095 χ^2/NDF:881149.7/15

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 471.479+/-0.100 χ^2/NDF:661865.5/13

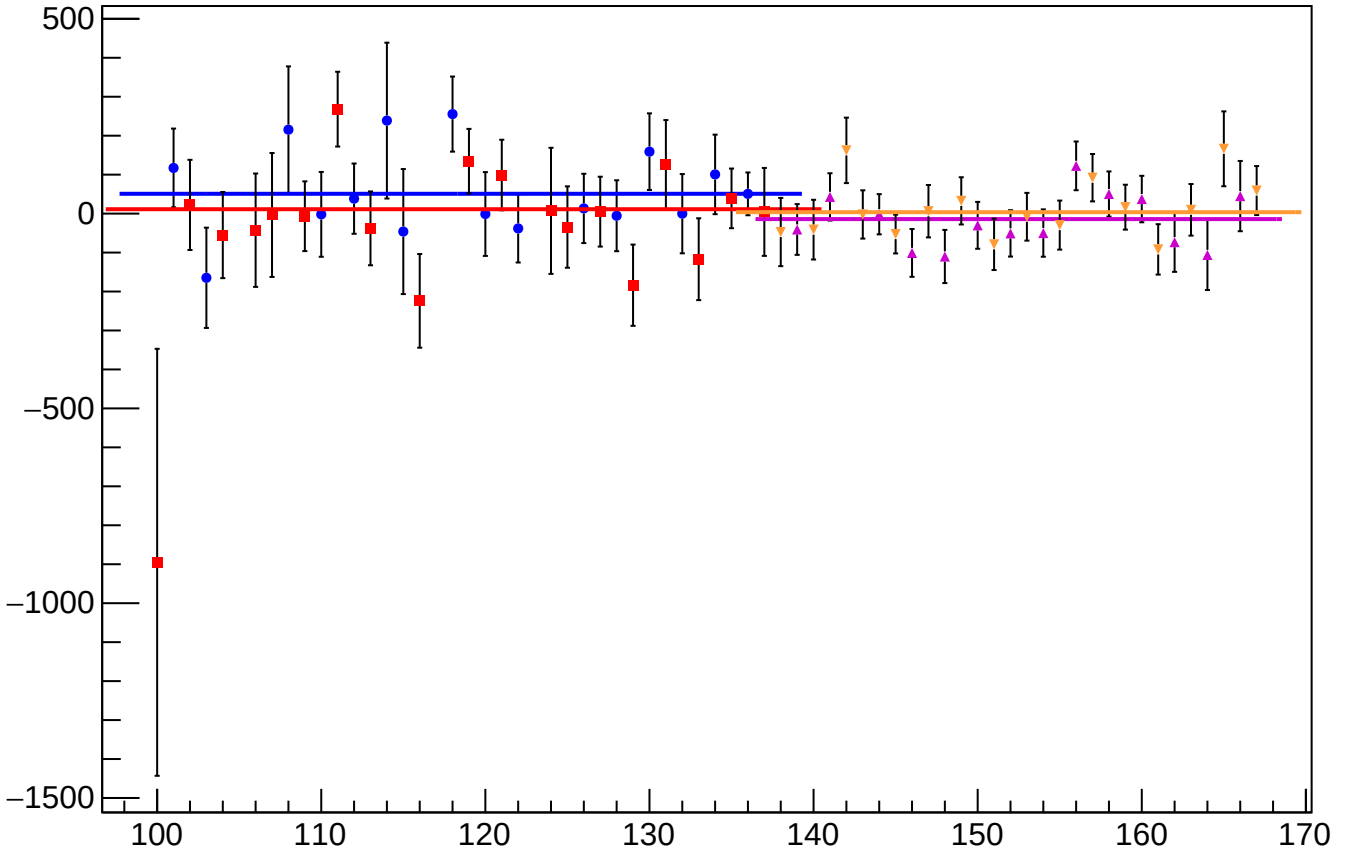
Left: 469.735+/-0.069 χ^2/NDF: 1543595.0/29

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 512.905+/-0.086 χ^2/NDF:2049947.3/29

Out: 503.534+/-0.082 χ^2/NDF:2317857.7/34

All: 507.974+/-0.060 χ^2/NDF: 4373986.5/64



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: 3.686+/-16.336 χ^2/NDF:15.6/15

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -14.080+/-17.038 χ^2/NDF:14.7/13

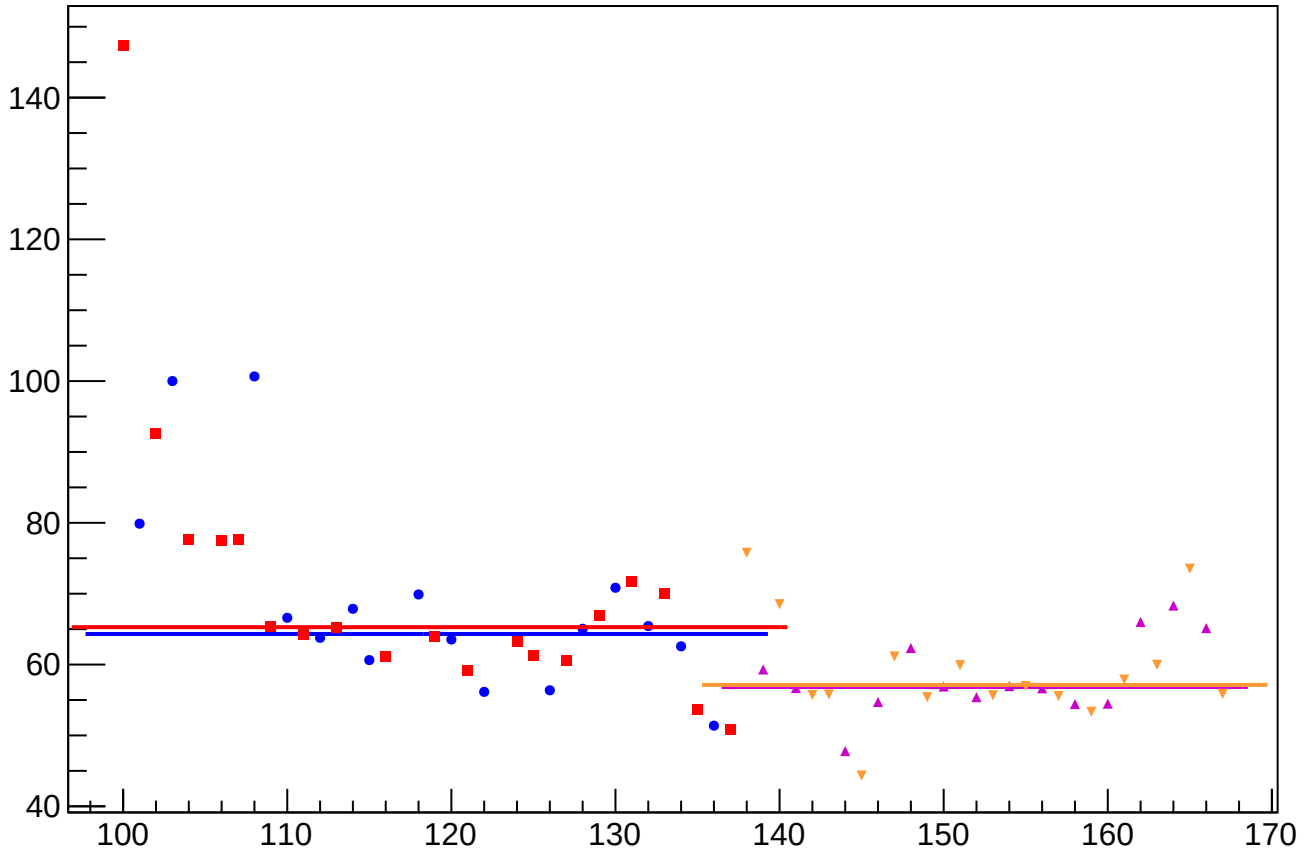
Left: -4.824+/-11.792 χ^2/NDF: 30.9/29

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 7.097+/-13.986 χ^2/NDF:33.3/29

Out: 6.040+/-13.561 χ^2/NDF:39.7/34

All: 6.552+/-9.736 χ^2/NDF: 73.0/64



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 57.131+/-0.012 χ^2/NDF:354681.7/15

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.837+/-0.012 χ^2/NDF:165902.3/13

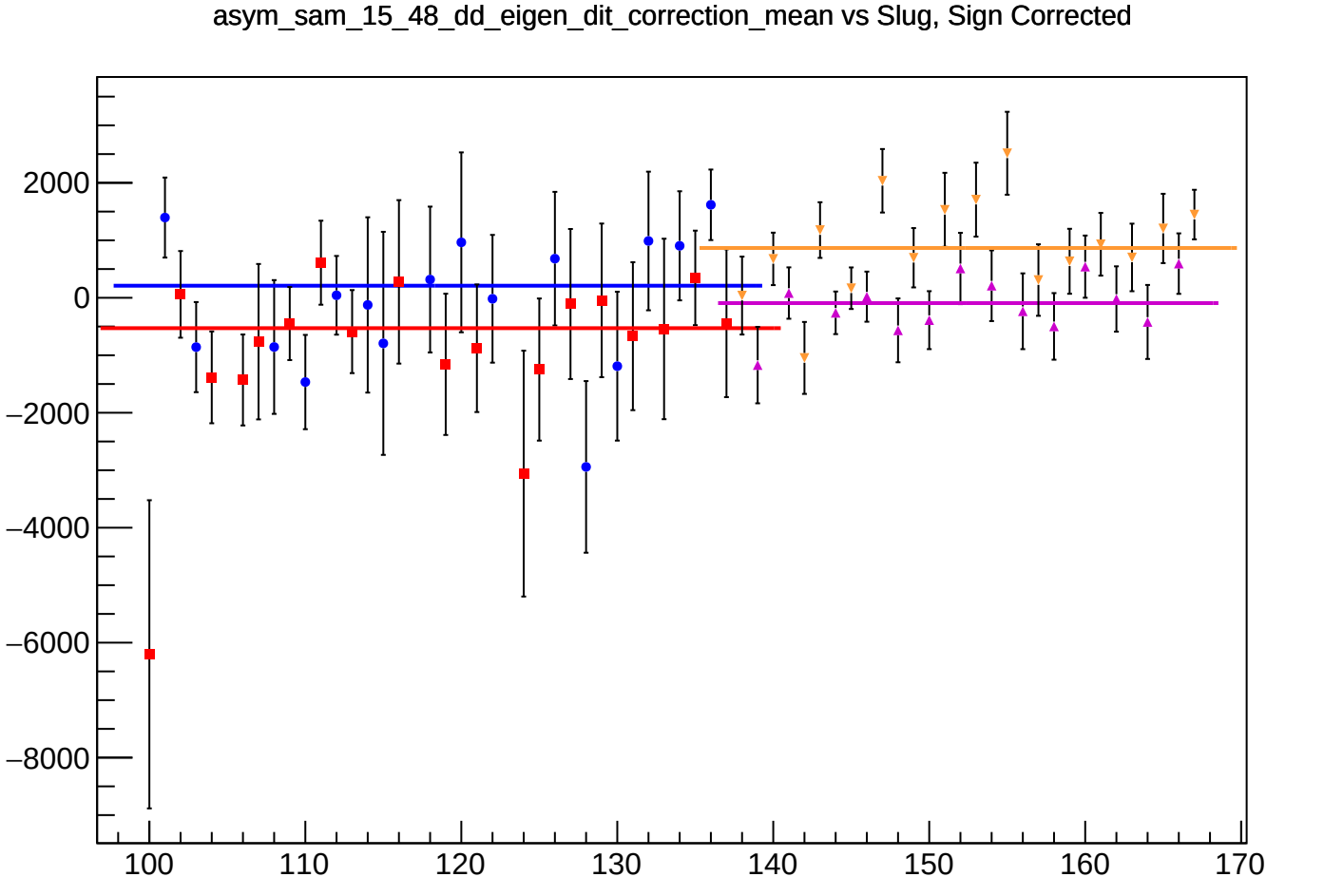
Left: 56.990+/-0.008 χ^2/NDF: 520893.6/29

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

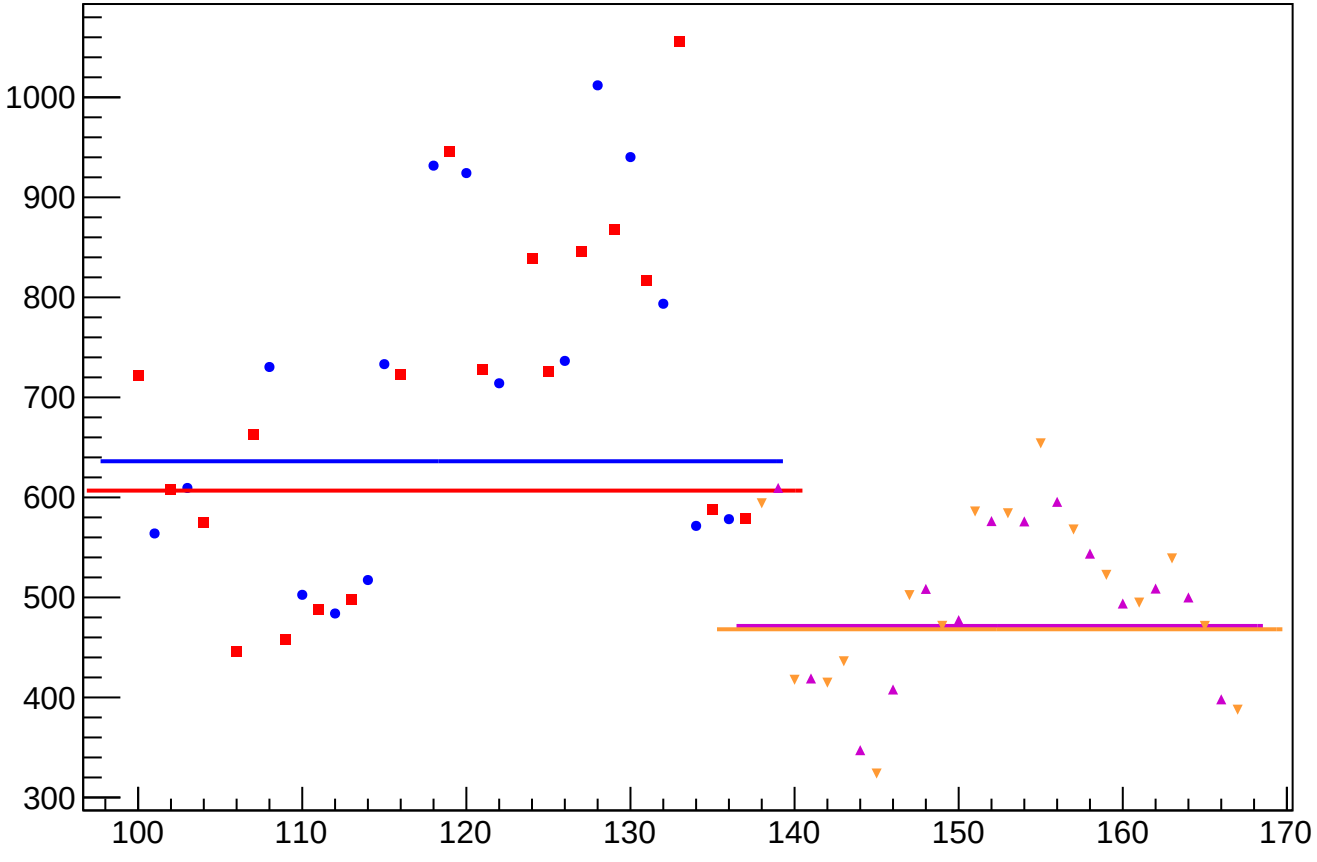
In: 59.276+/-0.010 χ^2/NDF:756560.4/29

Out: 59.663+/-0.010 χ^2/NDF:828432.2/34

All: 59.475+/-0.007 χ^2/NDF: 1585780.6/64


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 210.017+/-243.798 χ²/NDF: 22.4/15
Left Out: 866.671+/-134.430 χ²/NDF:30.9/15
Right Out: -528.674+/-229.678 χ²/NDF: 13.8/18
Left In: -92.424+/-141.350 χ²/NDF:9.2/13
Left: 411.175+/-97.411 χ²/NDF: 64.3/29
Right: -181.337+/-167.176 χ²/NDF: 41.1/34
In: -16.336+/-122.284 χ²/NDF:32.8/29
Out: 510.633+/-116.019 χ²/NDF:72.3/34
All: 260.994+/-84.165 χ²/NDF: 114.8/64

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 468.156+/-0.095 χ^2/NDF:881159.8/15

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 471.478+/-0.100 χ^2/NDF:661867.6/13

Left: 469.734+/-0.069 χ^2/NDF: 1543607.3/29

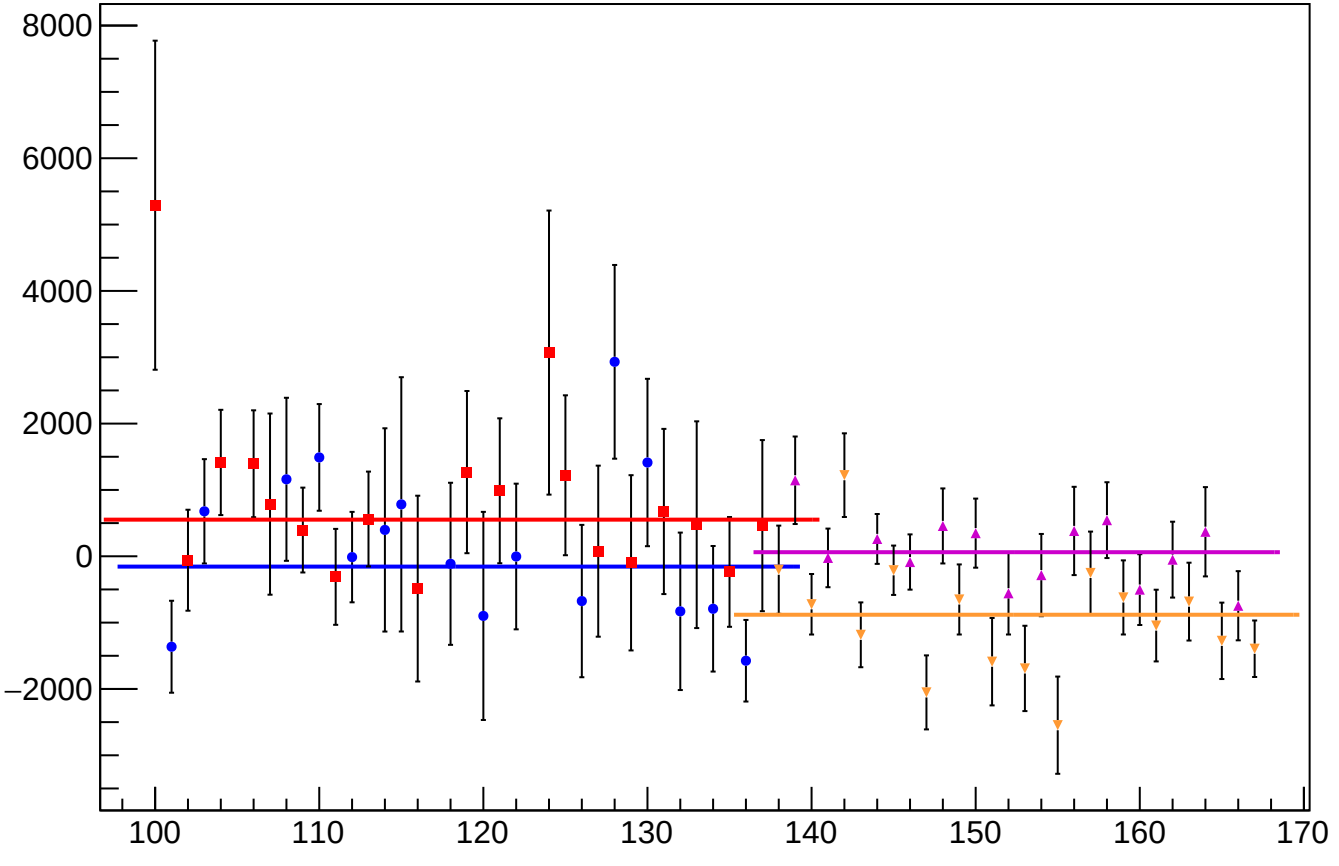
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 512.905+/-0.086 χ^2/NDF:2049954.6/29

Out: 503.533+/-0.082 χ^2/NDF:2317873.8/34

All: 507.973+/-0.060 χ^2/NDF: 4374010.2/64

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -881.314+/-134.829 χ^2/NDF:31.8/15

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 61.514+/-141.360 χ^2/NDF:10.0/13

Left: -432.183+/-97.565 χ^2/NDF: 65.0/29

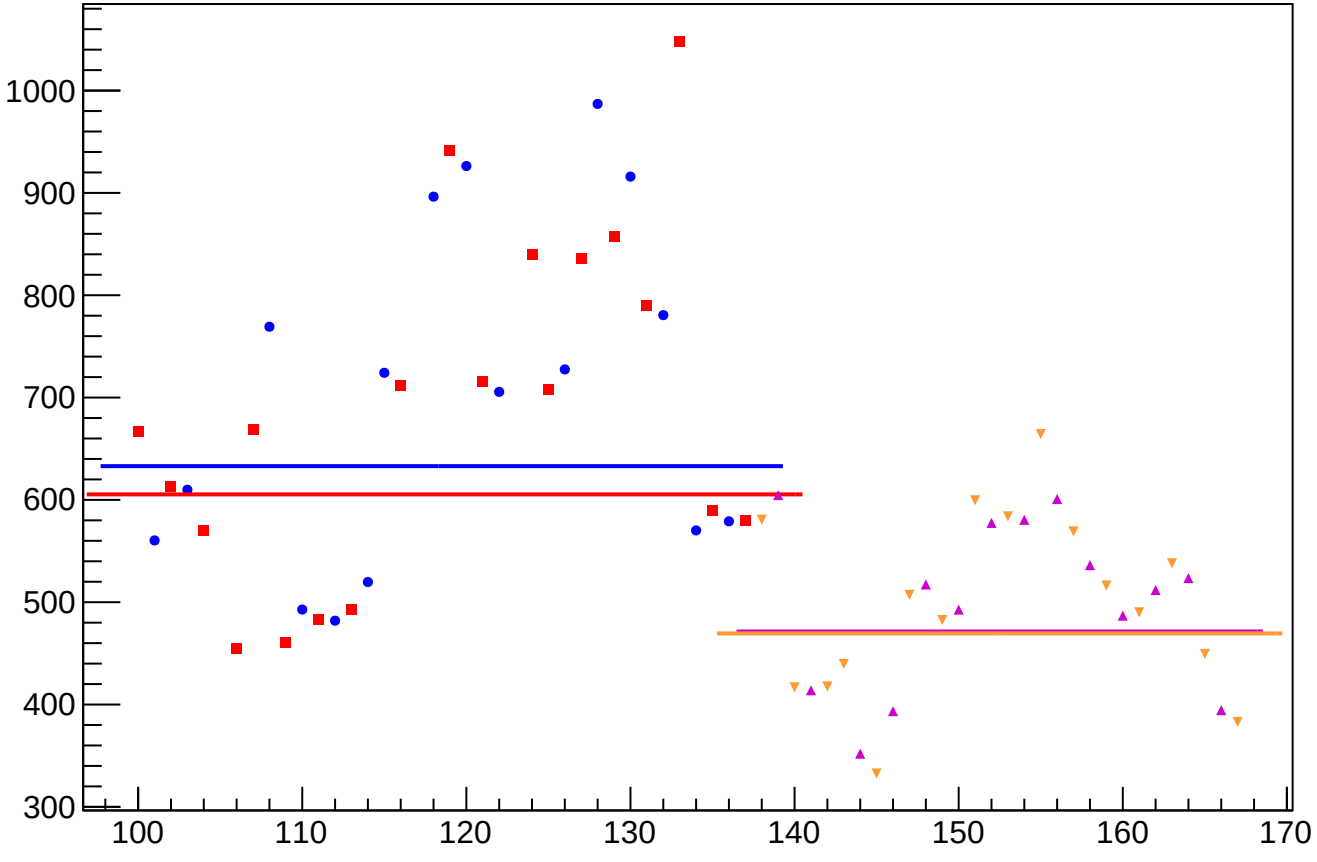
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 6.468+/-122.137 χ^2/NDF:33.0/29

Out: -512.046+/-116.172 χ^2/NDF:73.0/34

All: -265.760+/-84.176 χ^2/NDF: 115.5/64

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 469.488+/-0.095 χ^2/NDF:847616.0/15

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 471.434+/-0.100 χ^2/NDF:692582.4/13

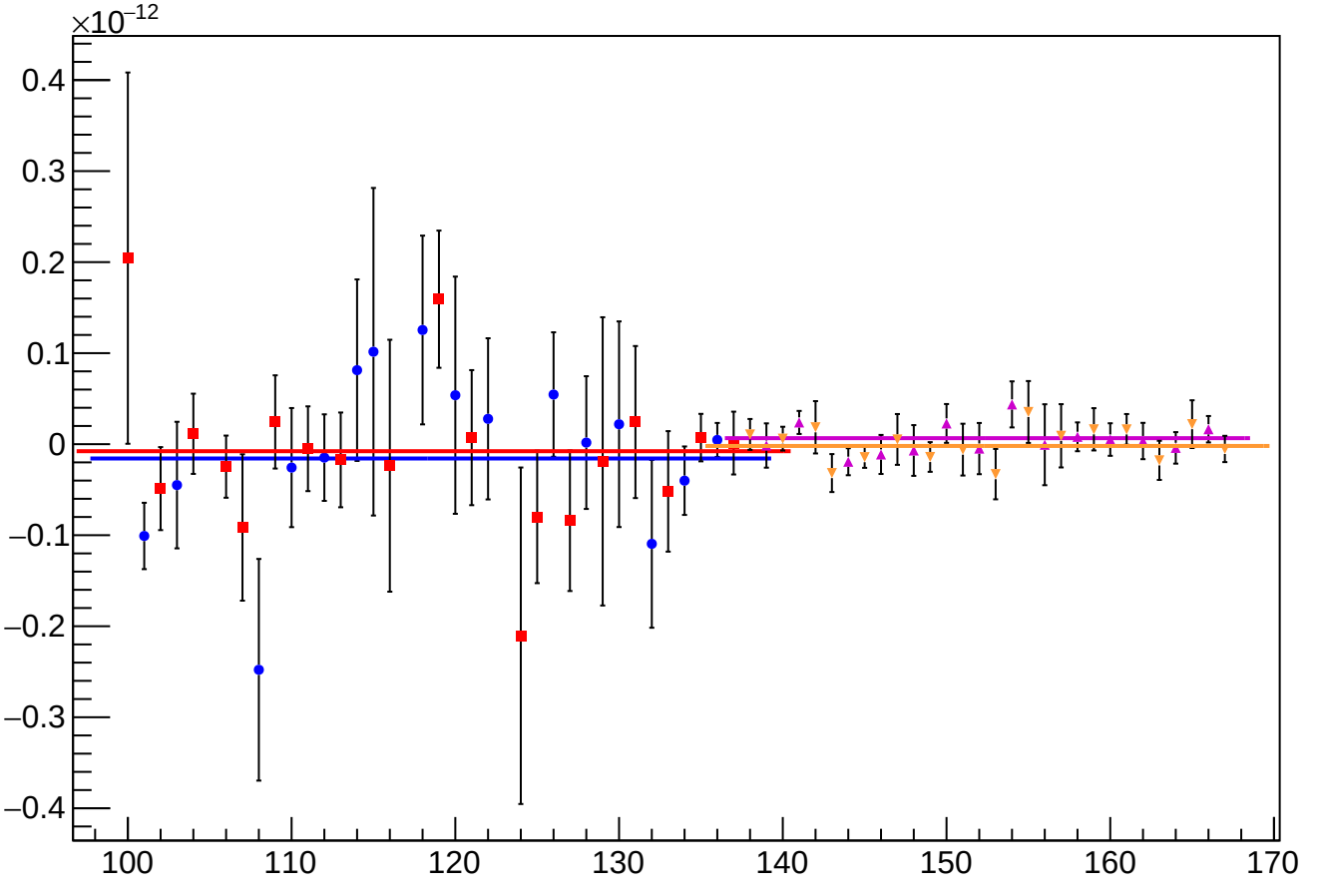
Left: 470.415+/-0.069 χ^2/NDF: 1540396.8/29

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 512.378+/-0.086 χ^2/NDF:2035680.7/29

Out: 504.492+/-0.082 χ^2/NDF:2224920.1/34

All: 508.238+/-0.060 χ^2/NDF: 4264977.9/64



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/13

Left: 0.000+/-0.000 χ^2/NDF: 22.2/29

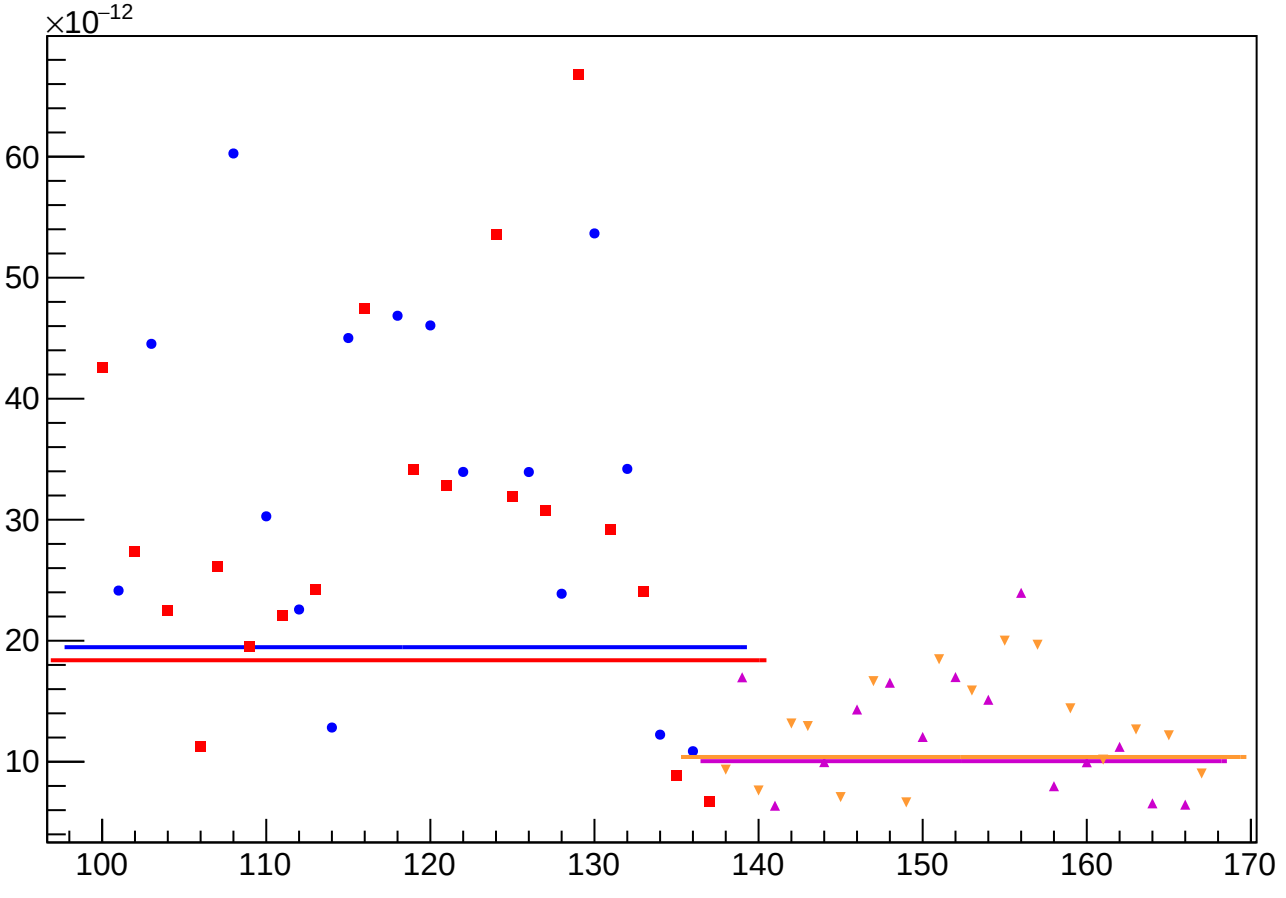
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:29.4/29

Out: -0.000+/-0.000 χ^2/NDF:24.2/34

All: 0.000+/-0.000 χ^2/NDF: 54.5/64

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1164474.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1179637.4/13

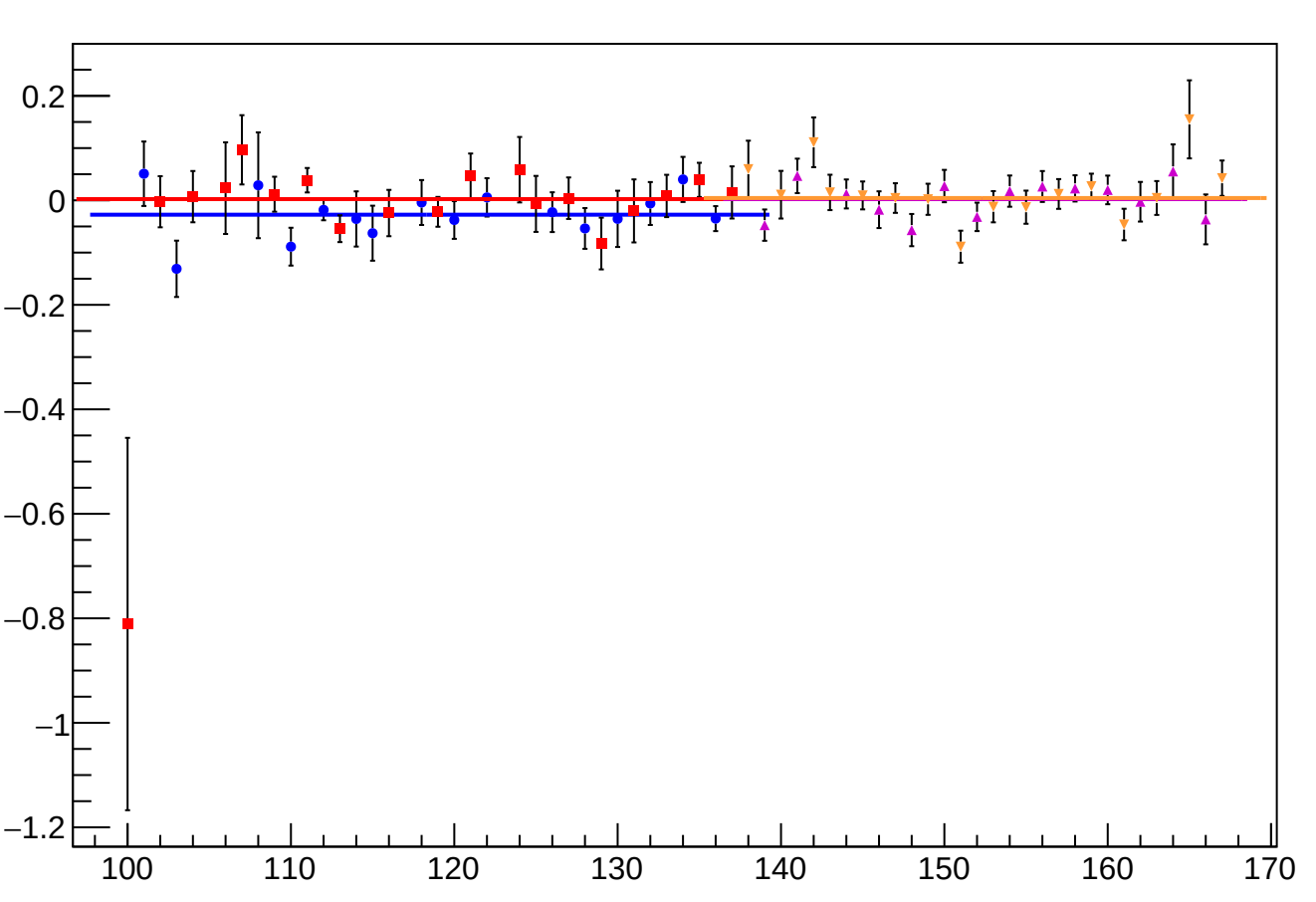
Left: 0.000+/-0.000 χ^2/NDF: 2349030.7/29

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:3876961.3/29

Out: 0.000+/-0.000 χ^2/NDF:3356251.3/34

All: 0.000+/-0.000 χ^2/NDF: 7233959.1/64



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.008 χ^2/NDF:14.7/13

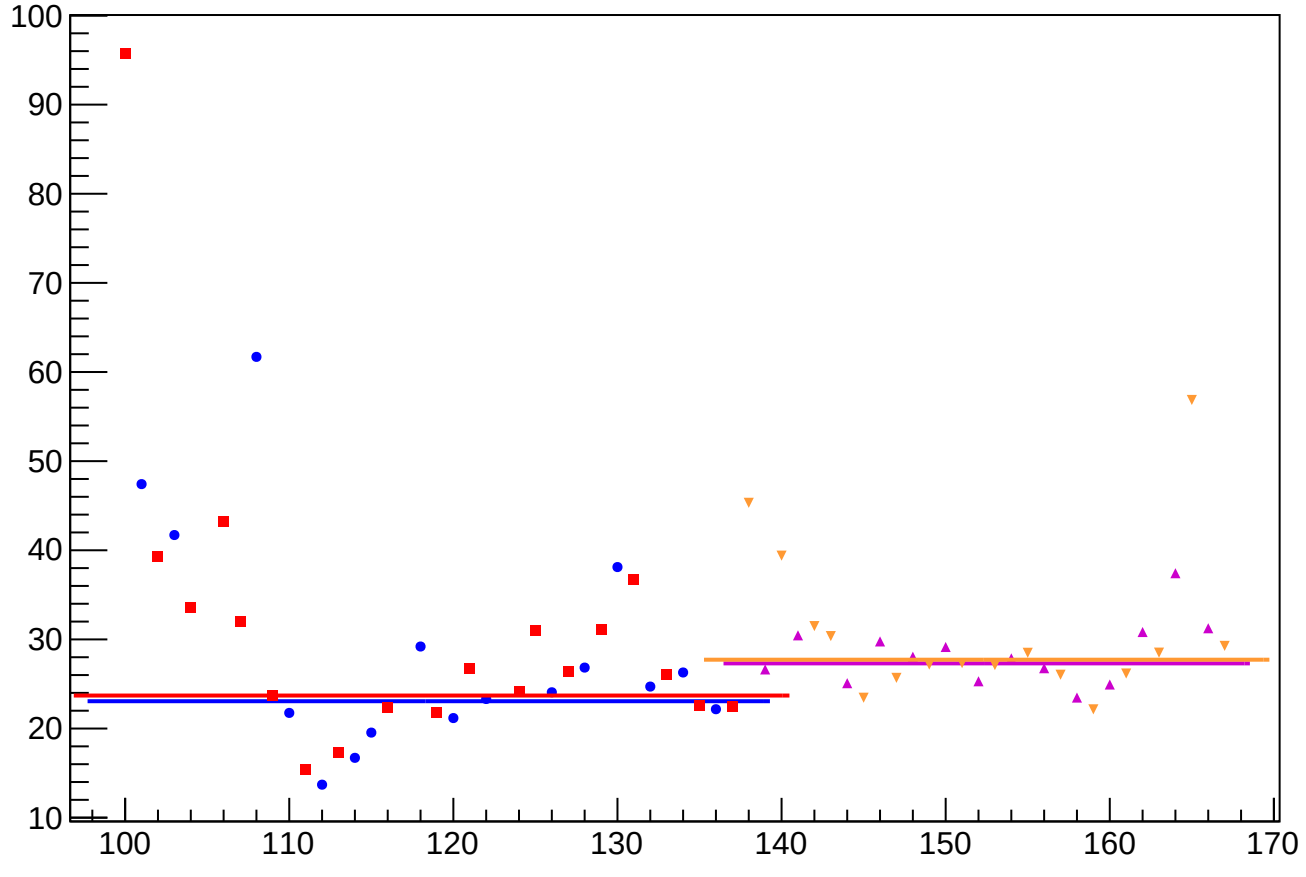
Left: 0.003+/-0.006 χ^2/NDF: 39.9/29

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.0/29

Out: 0.004+/-0.006 χ^2/NDF:47.3/34

All: -0.004+/-0.004 χ^2/NDF: 84.0/64



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.723+/-0.006 χ^2/NDF:857673.9/15

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.310+/-0.006 χ^2/NDF:231355.8/13

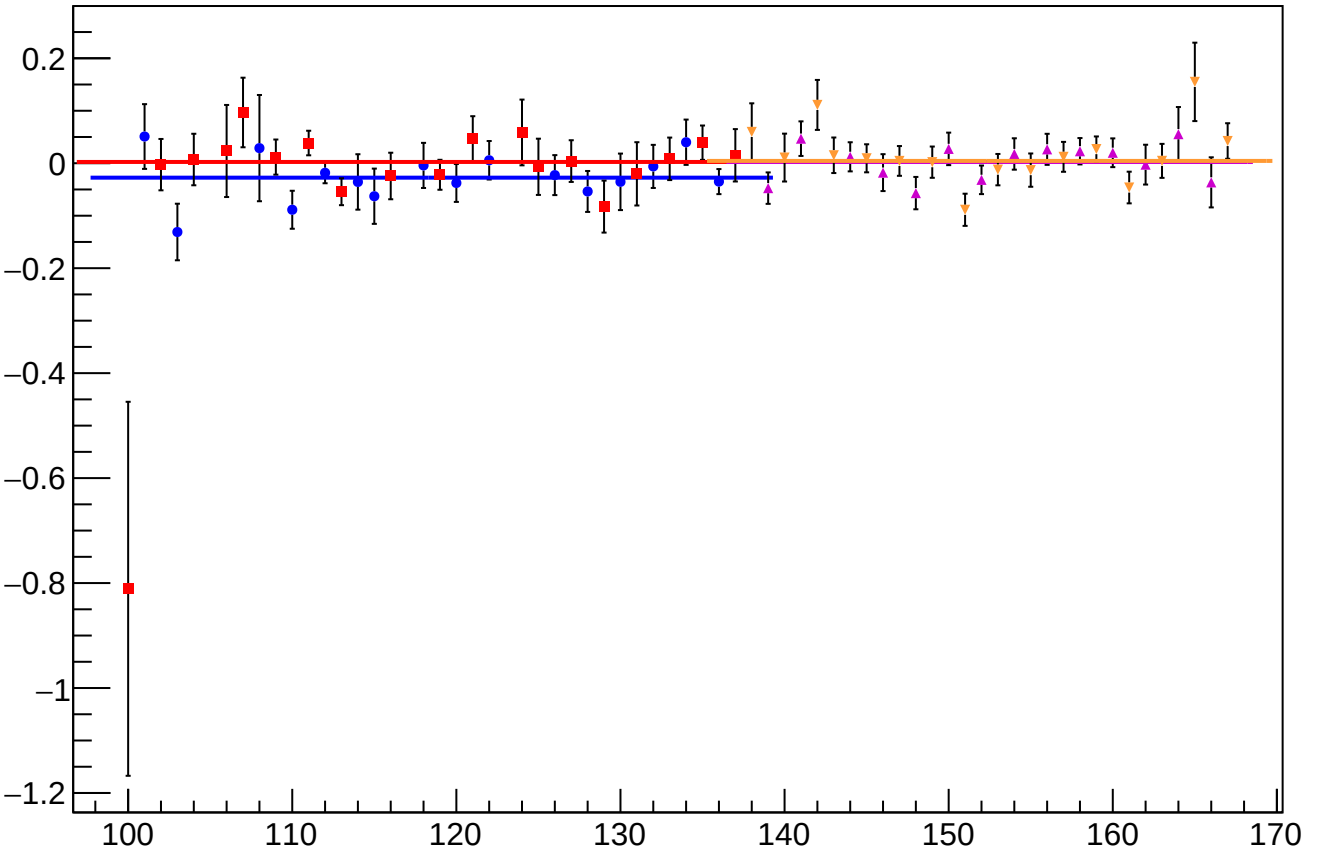
Left: 27.523+/-0.004 χ^2/NDF: 1091534.2/29

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.432+/-0.004 χ^2/NDF:2023459.1/29

Out: 25.980+/-0.004 χ^2/NDF:2158367.8/34

All: 25.712+/-0.003 χ^2/NDF: 4189699.3/64



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.008 χ^2/NDF:14.7/13

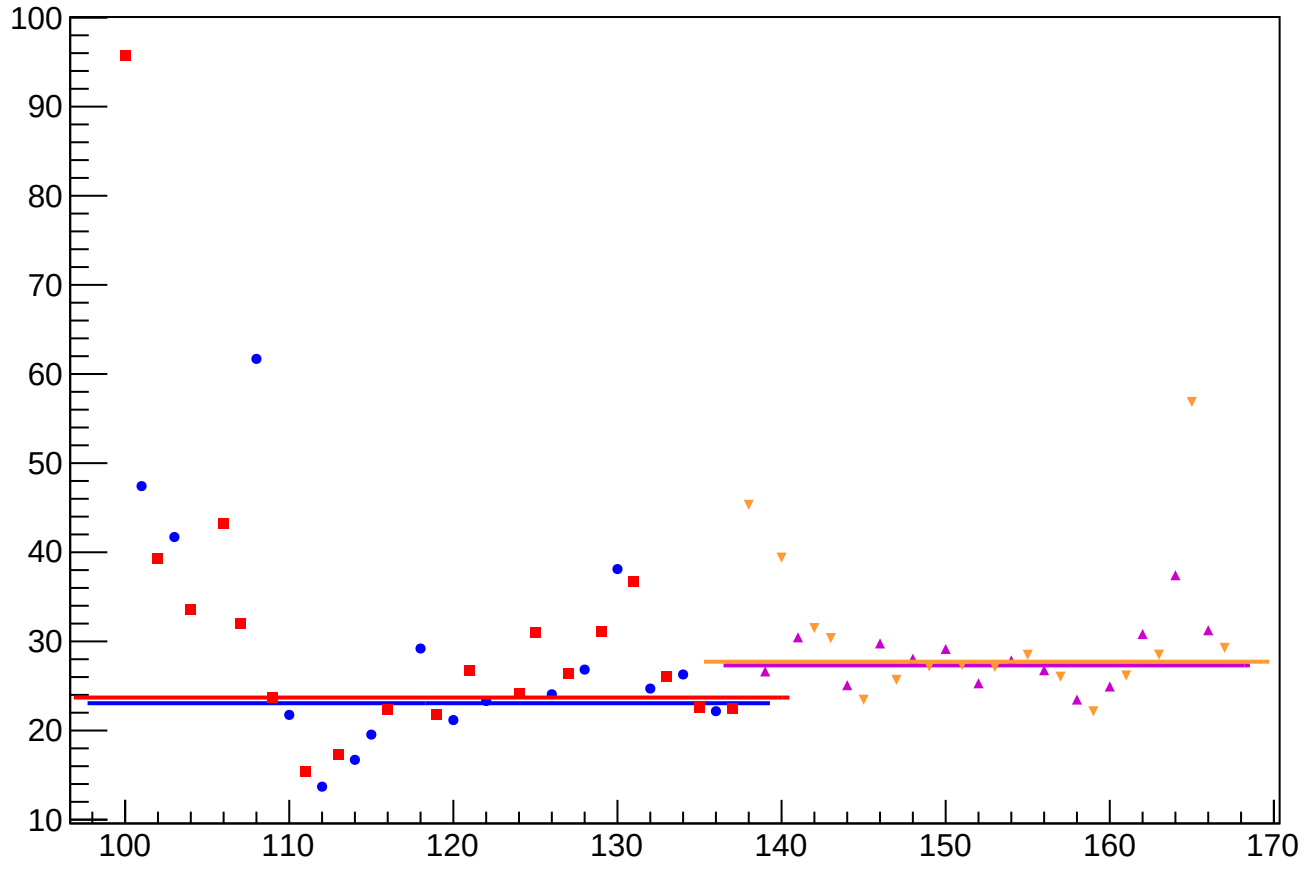
Left: 0.003+/-0.006 χ^2/NDF: 39.9/29

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.0/29

Out: 0.004+/-0.006 χ^2/NDF:47.3/34

All: -0.004+/-0.004 χ^2/NDF: 84.0/64



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.723+/-0.006 χ^2/NDF:857673.9/15

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.310+/-0.006 χ^2/NDF:231355.8/13

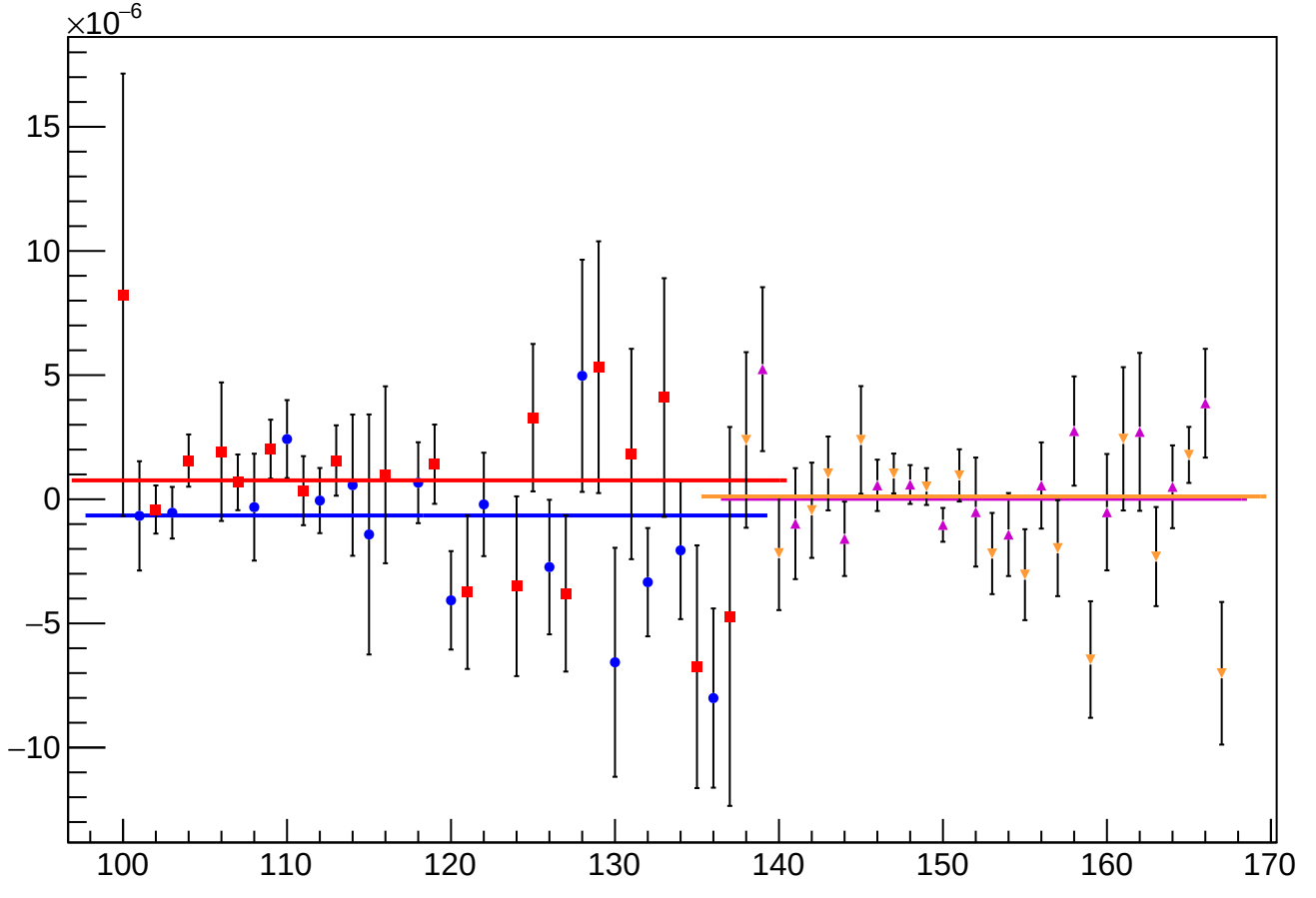
Left: 27.523+/-0.004 χ^2/NDF: 1091534.2/29

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.432+/-0.004 χ^2/NDF:2023459.1/29

Out: 25.980+/-0.004 χ^2/NDF:2158367.8/34

All: 25.712+/-0.003 χ^2/NDF: 4189699.3/64



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/13

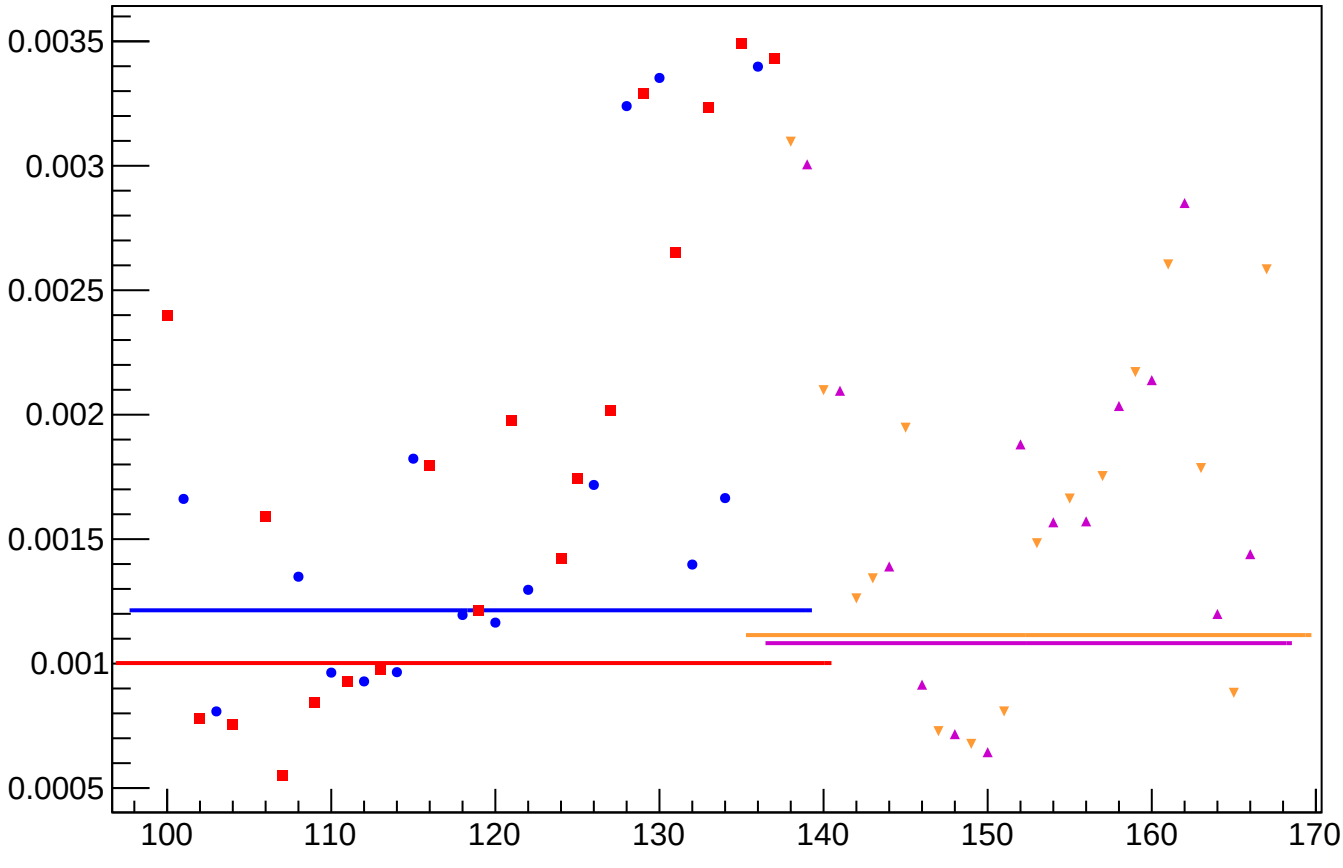
Left: 0.000+/-0.000 χ^2/NDF: 43.1/29

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:32.2/29

Out: 0.000+/-0.000 χ^2/NDF:46.2/34

All: 0.000+/-0.000 χ^2/NDF: 80.6/64



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4950883.1/15

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4547740.7/13

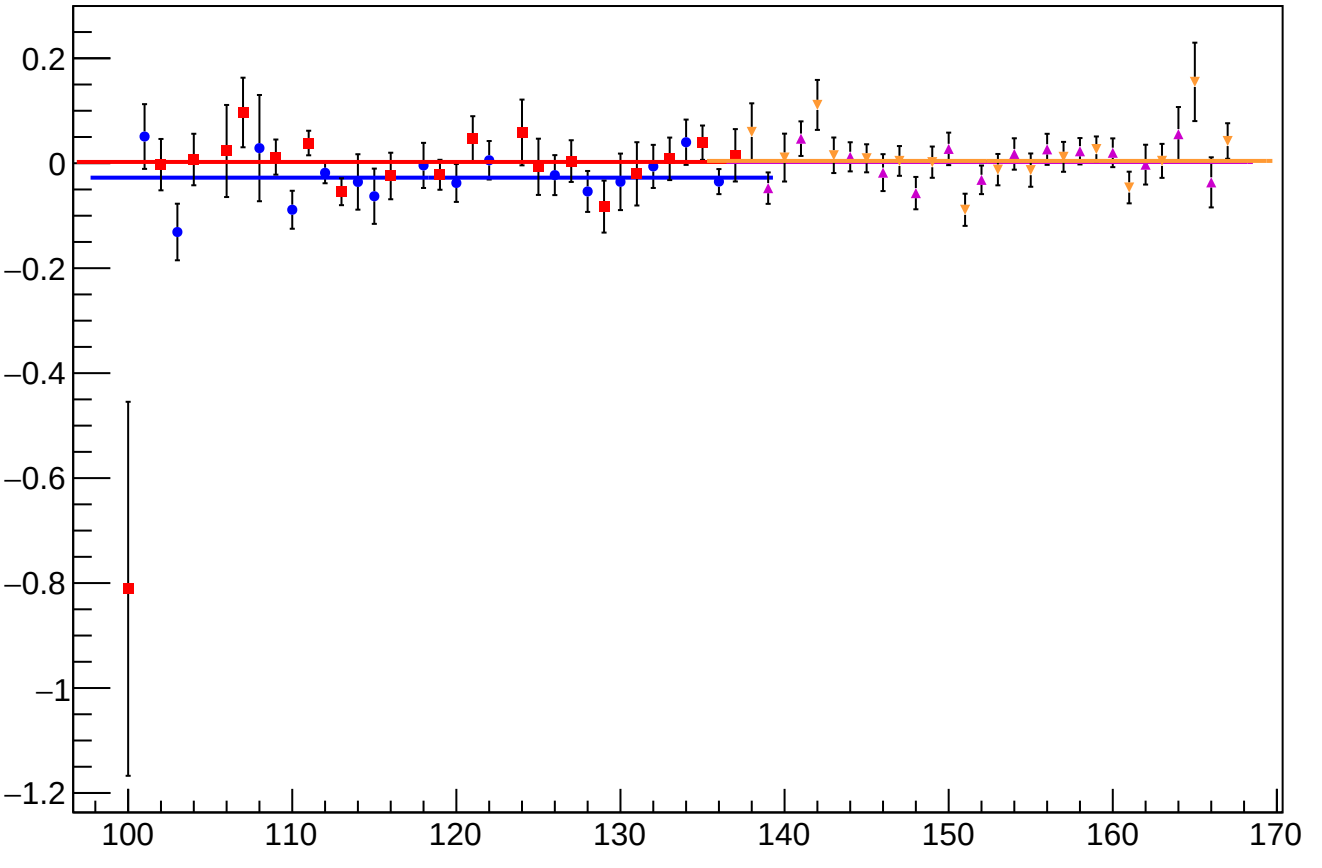
Left: 0.001+/-0.000 χ^2/NDF: 9506637.9/29

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:6905727.4/29

Out: 0.001+/-0.000 χ^2/NDF:8311589.5/34

All: 0.001+/-0.000 χ^2/NDF: 15263499.6/64



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.008 χ^2/NDF:14.7/13

Left: 0.003+/-0.006 χ^2/NDF: 39.9/29

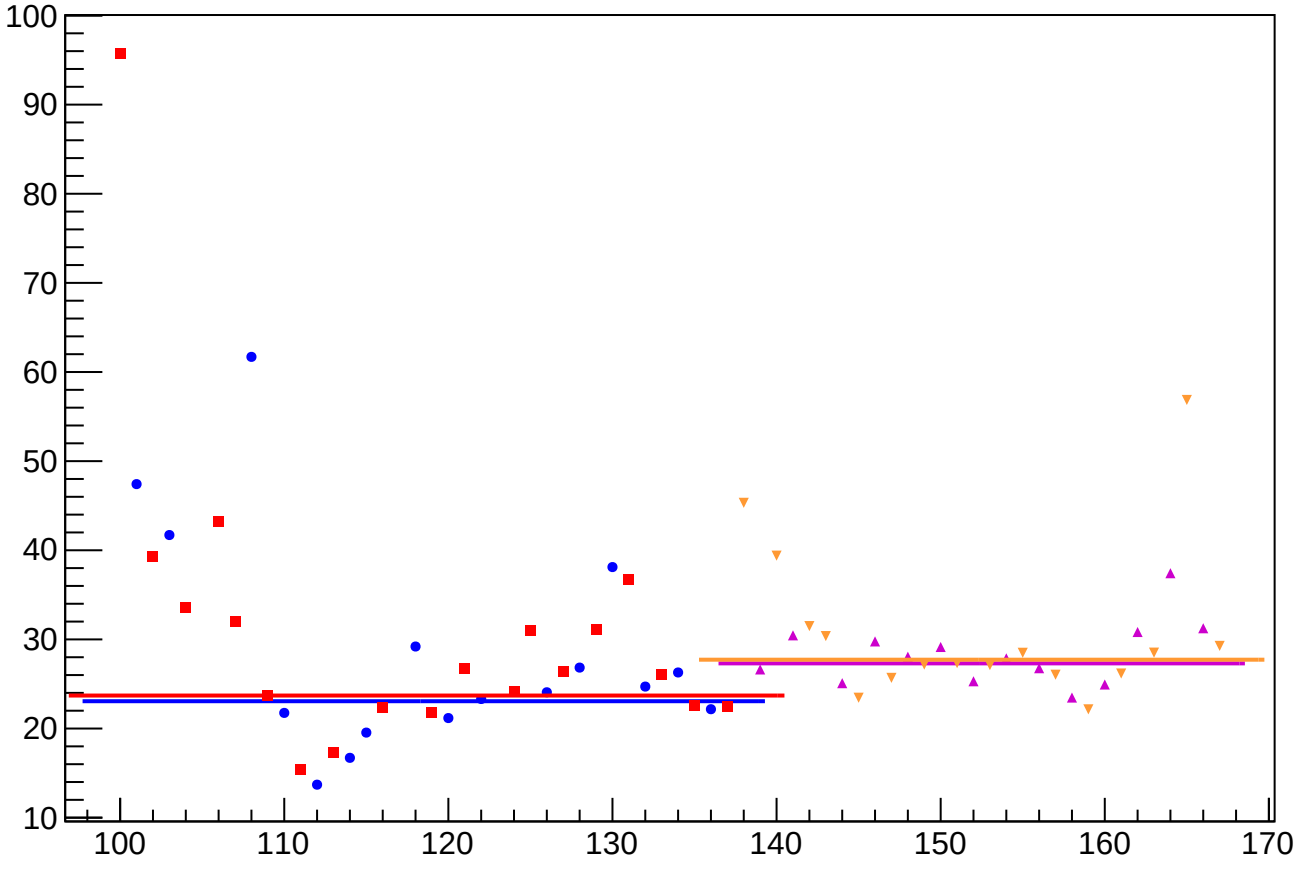
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.0/29

Out: 0.004+/-0.006 χ^2/NDF:47.3/34

All: -0.004+/-0.004 χ^2/NDF: 84.0/64

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.724+/-0.006 χ^2/NDF:857627.1/15

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.311+/-0.006 χ^2/NDF:231348.9/13

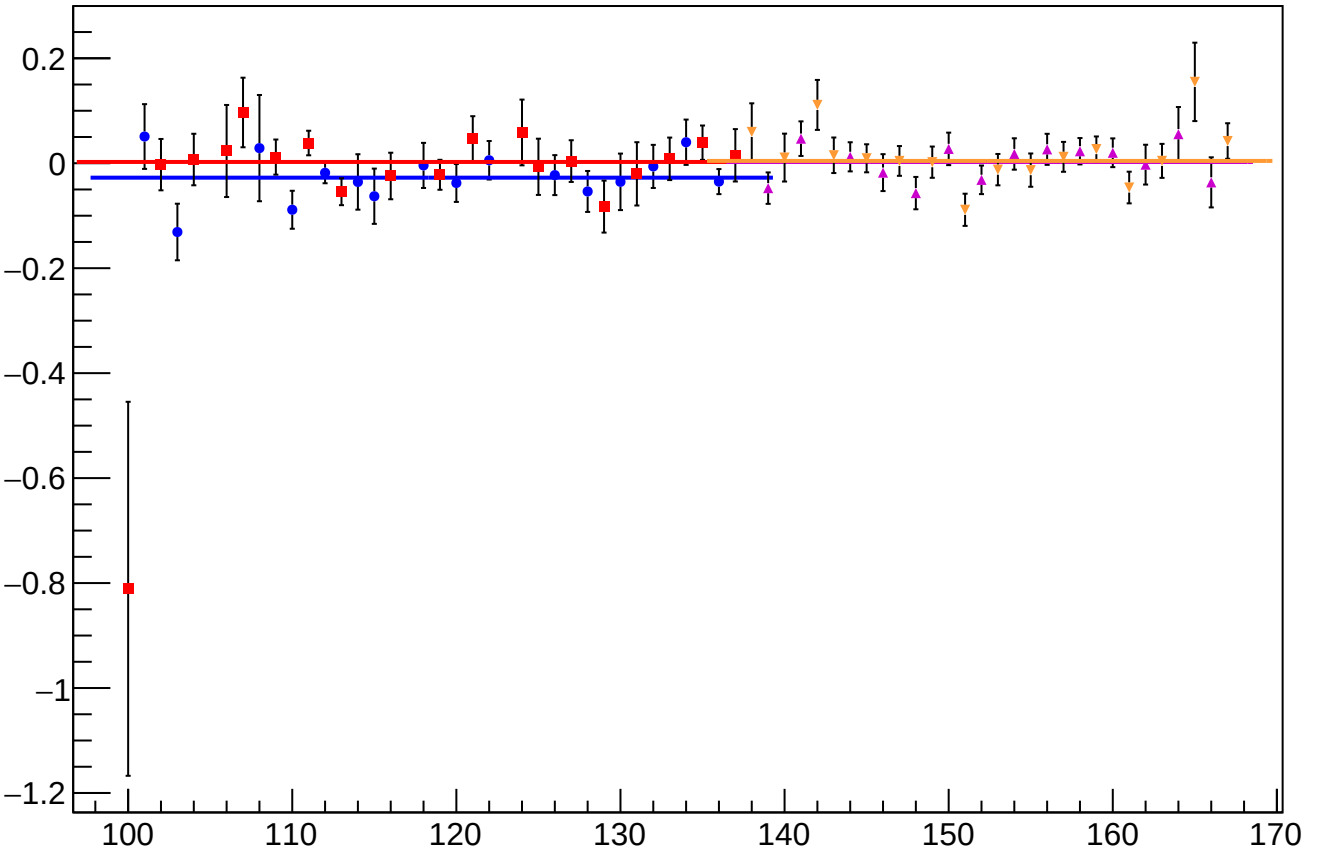
Left: 27.523+/-0.004 χ^2/NDF: 1091481.4/29

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.432+/-0.004 χ^2/NDF:2023516.2/29

Out: 25.980+/-0.004 χ^2/NDF:2158420.2/34

All: 25.712+/-0.003 χ^2/NDF: 4189809.5/64



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.008 χ^2/NDF:14.7/13

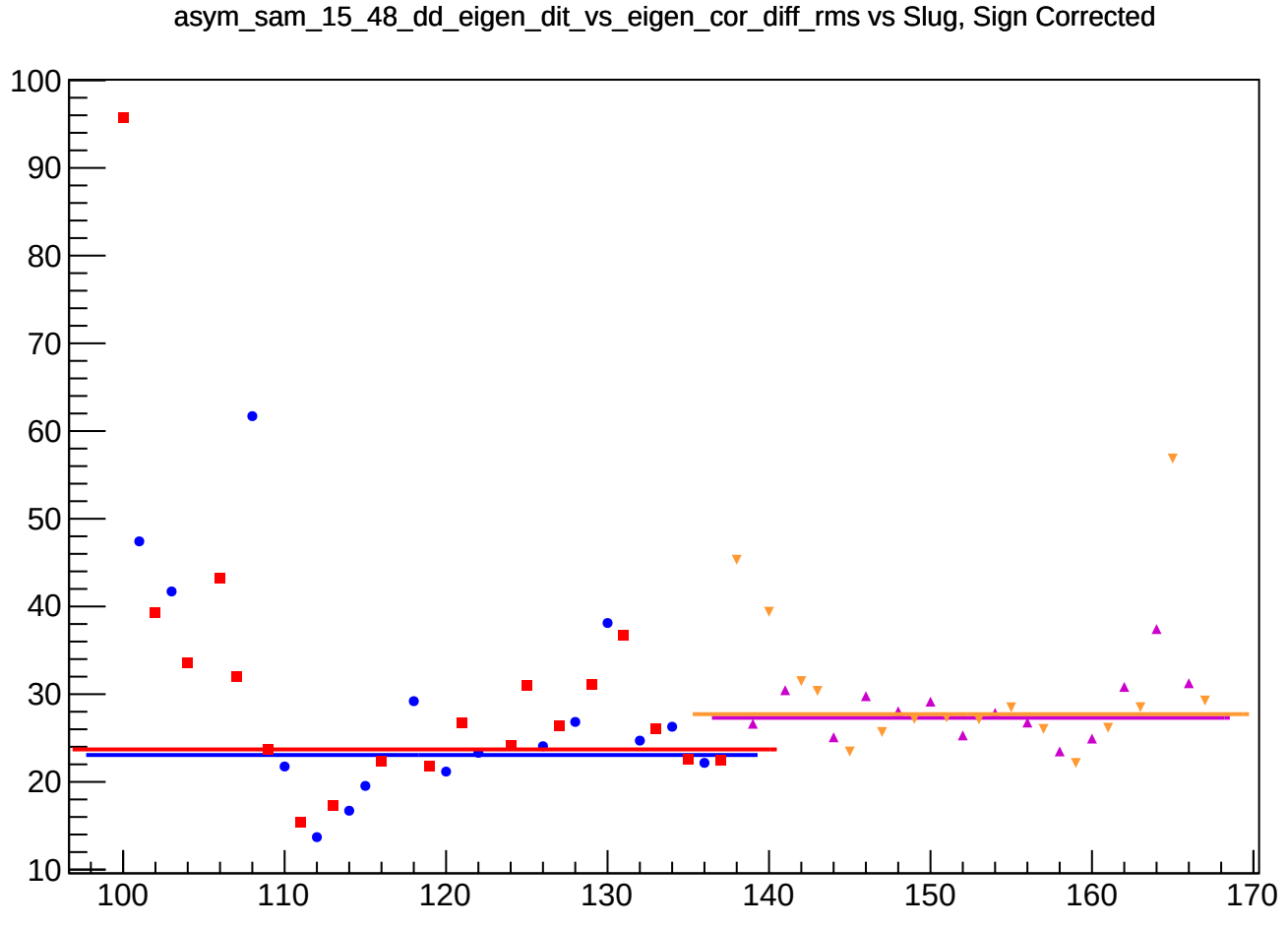
Left: 0.003+/-0.006 χ^2/NDF: 39.9/29

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.0/29

Out: 0.004+/-0.006 χ^2/NDF:47.3/34

All: -0.004+/-0.004 χ^2/NDF: 84.0/64



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.724+/-0.006 χ^2/NDF:857627.1/15

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.311+/-0.006 χ^2/NDF:231348.9/13

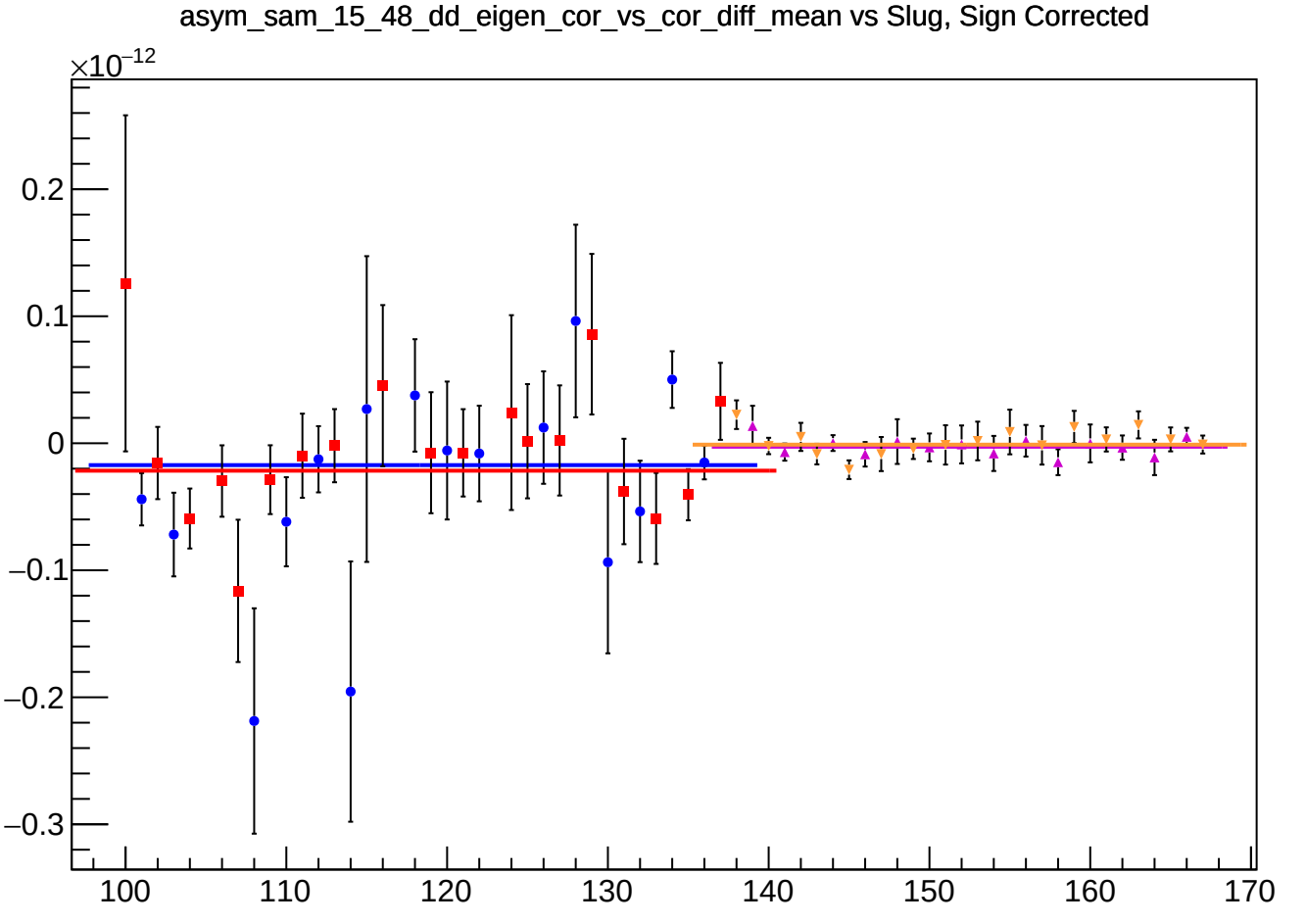
Left: 27.523+/-0.004 χ^2/NDF: 1091481.4/29

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.432+/-0.004 χ^2/NDF:2023516.2/29

Out: 25.980+/-0.004 χ^2/NDF:2158420.2/34

All: 25.712+/-0.003 χ^2/NDF: 4189809.5/64



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/13

Left: -0.000+/-0.000 χ^2/NDF: 23.0/29

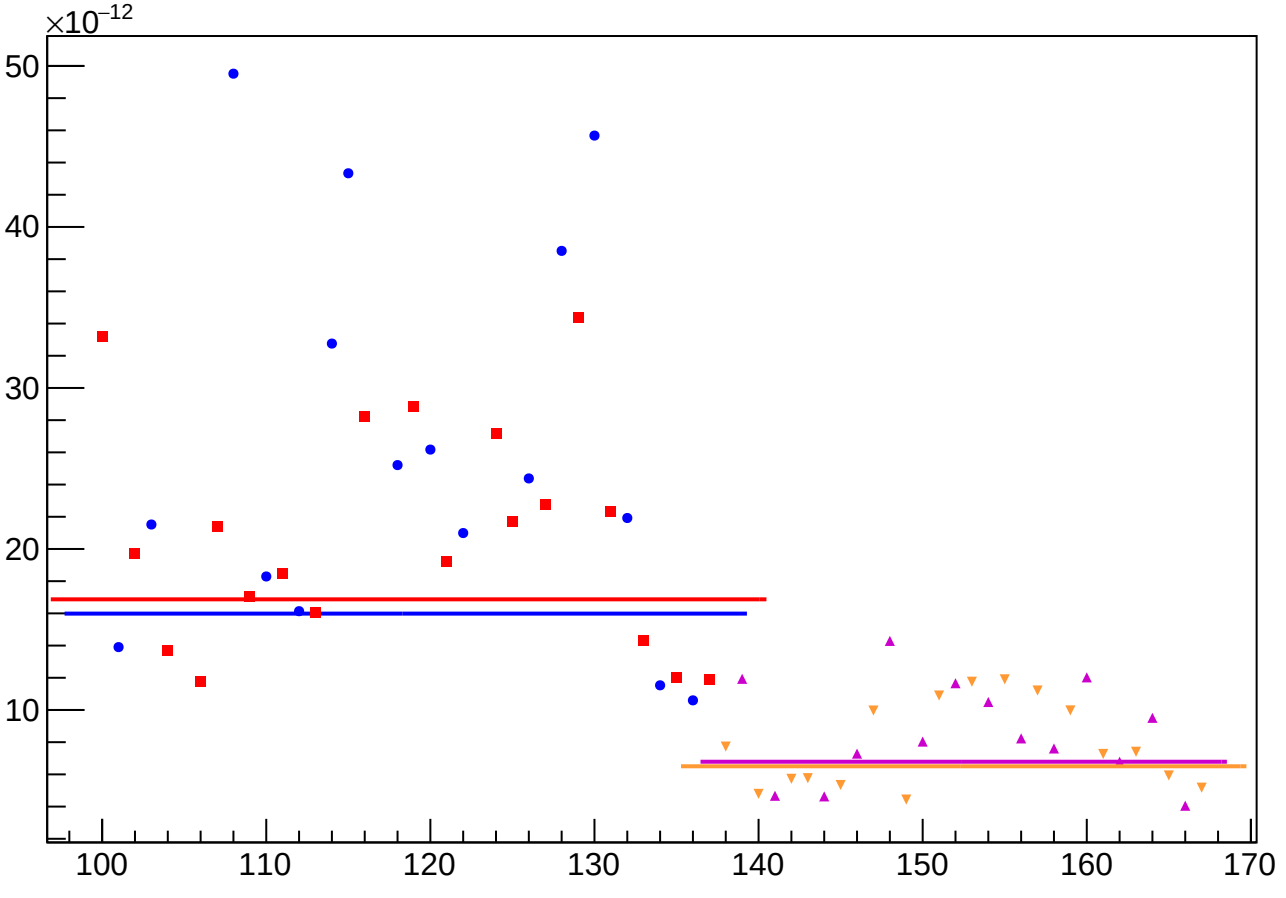
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:38.4/29

Out: -0.000+/-0.000 χ^2/NDF:41.4/34

All: -0.000+/-0.000 χ^2/NDF: 80.0/64

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1543069.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2062163.9/13

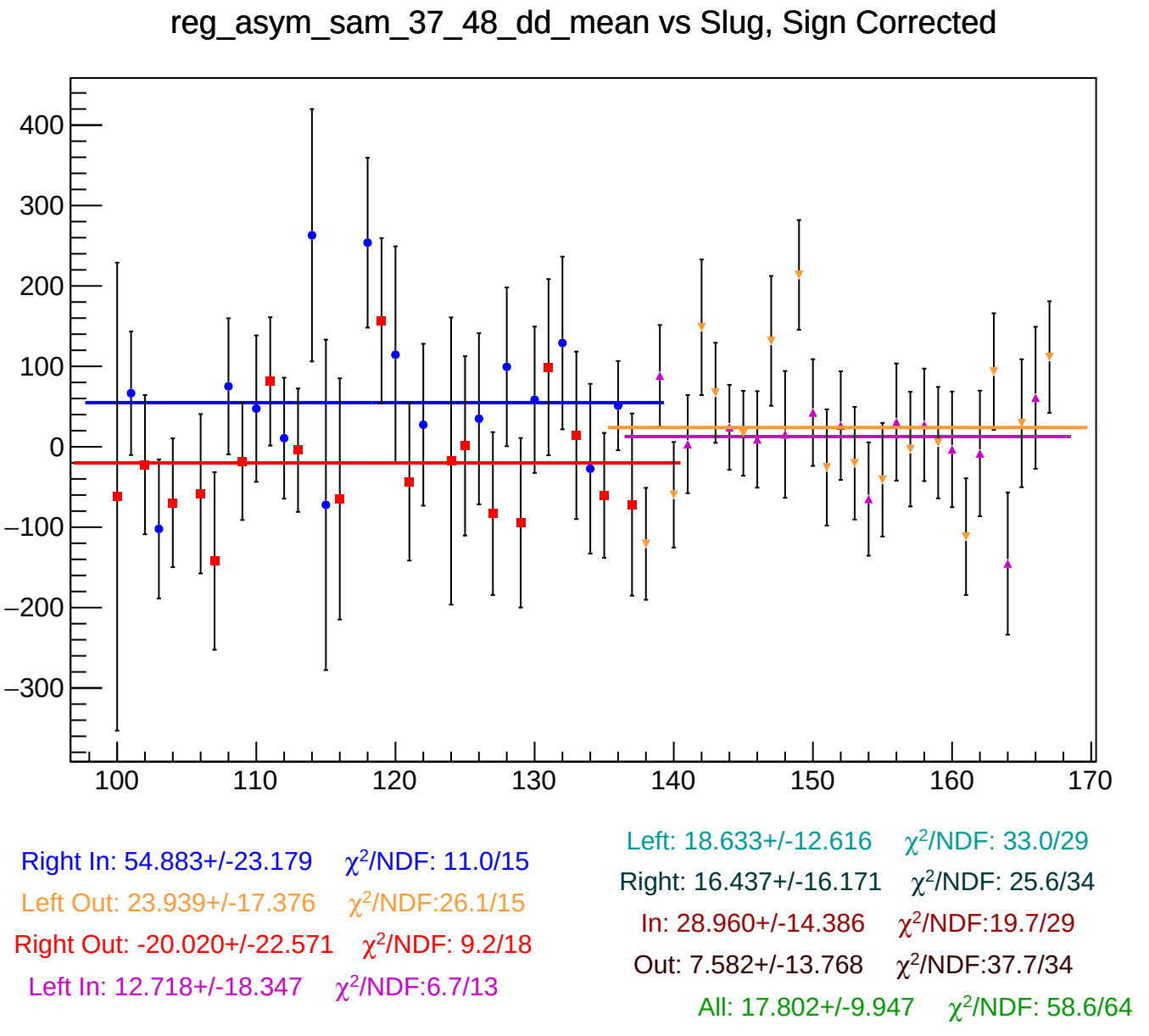
Left: 0.000+/-0.000 χ^2/NDF: 3617441.9/29

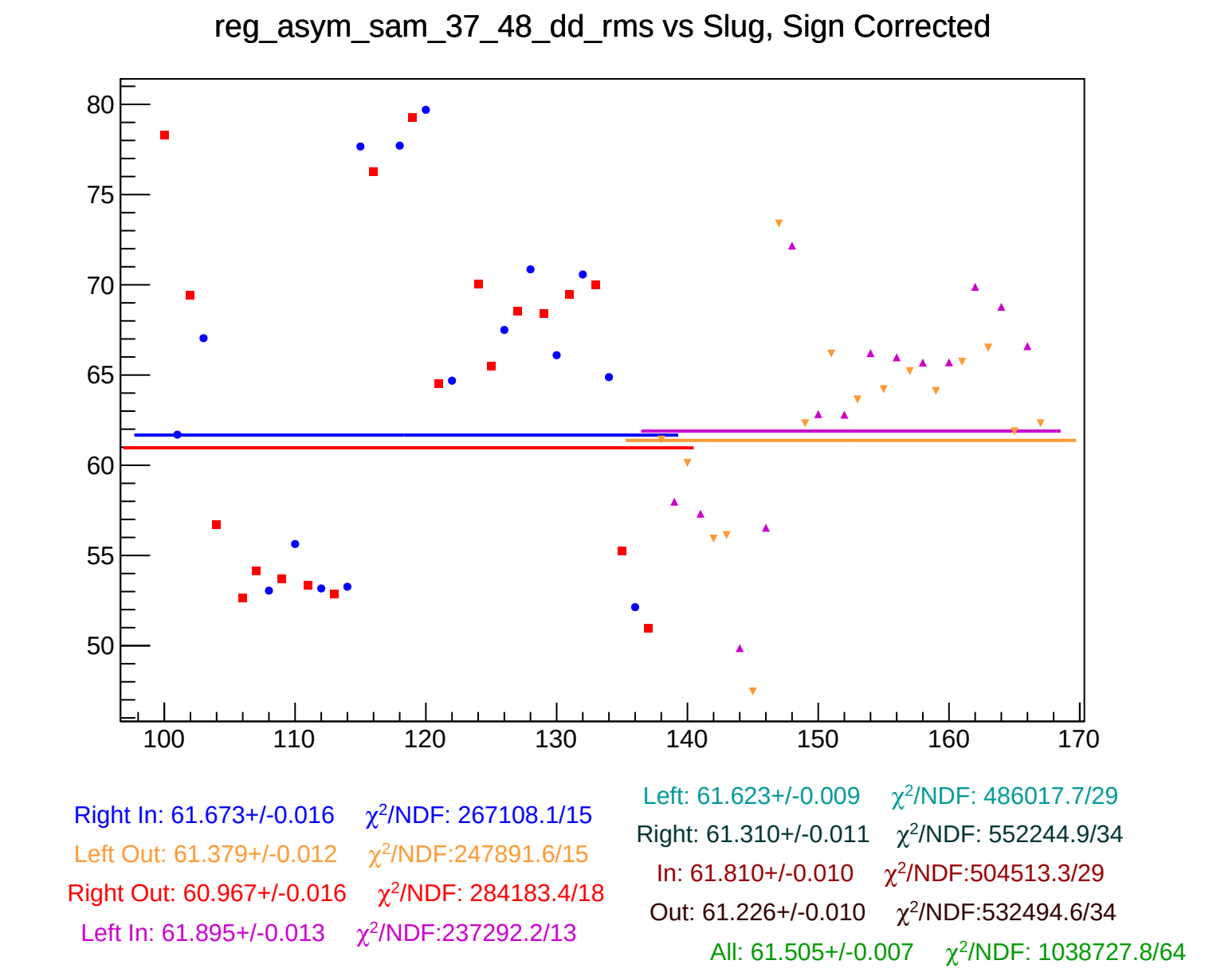
Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

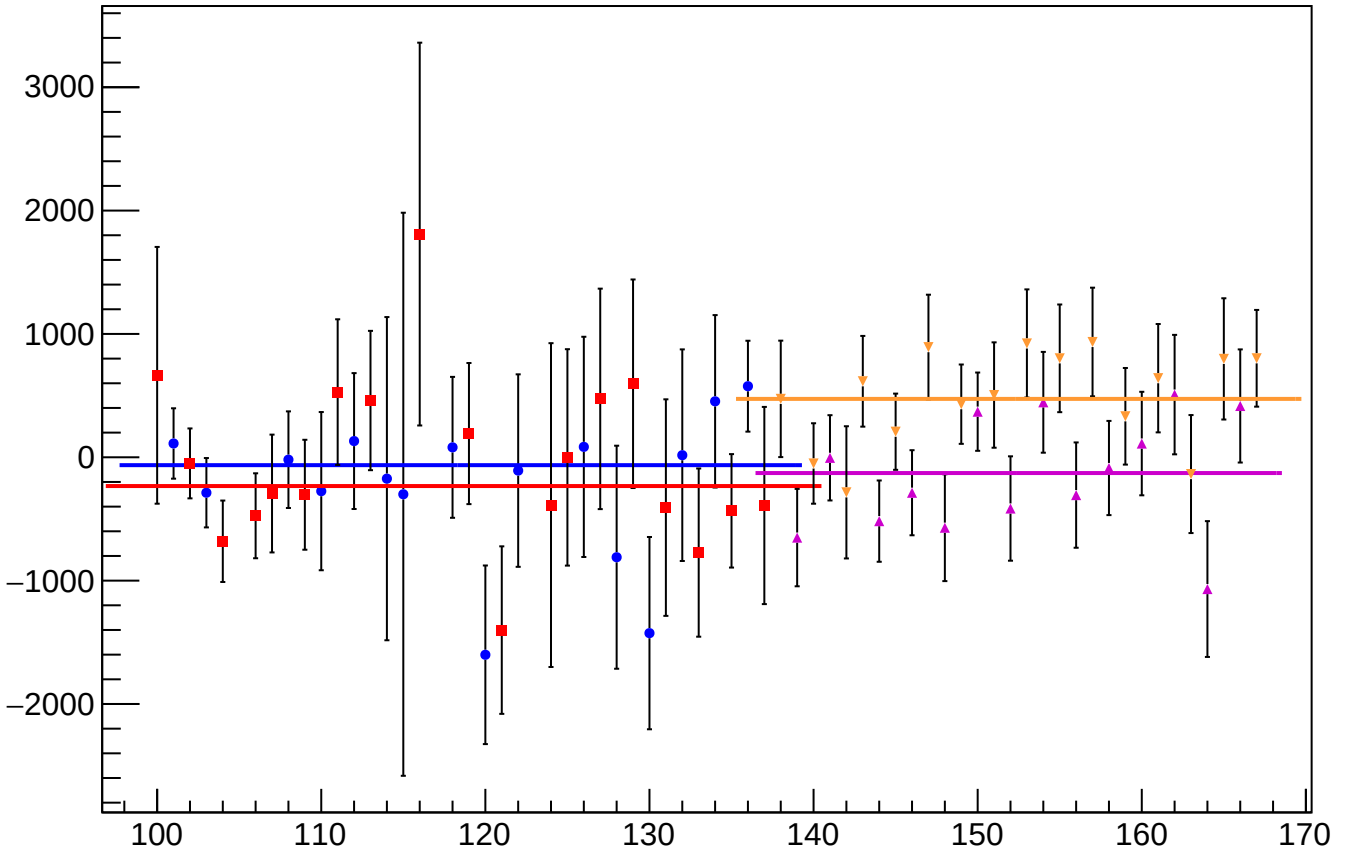
In: 0.000+/-0.000 χ^2/NDF:6337548.0/29

Out: 0.000+/-0.000 χ^2/NDF:5529619.9/34

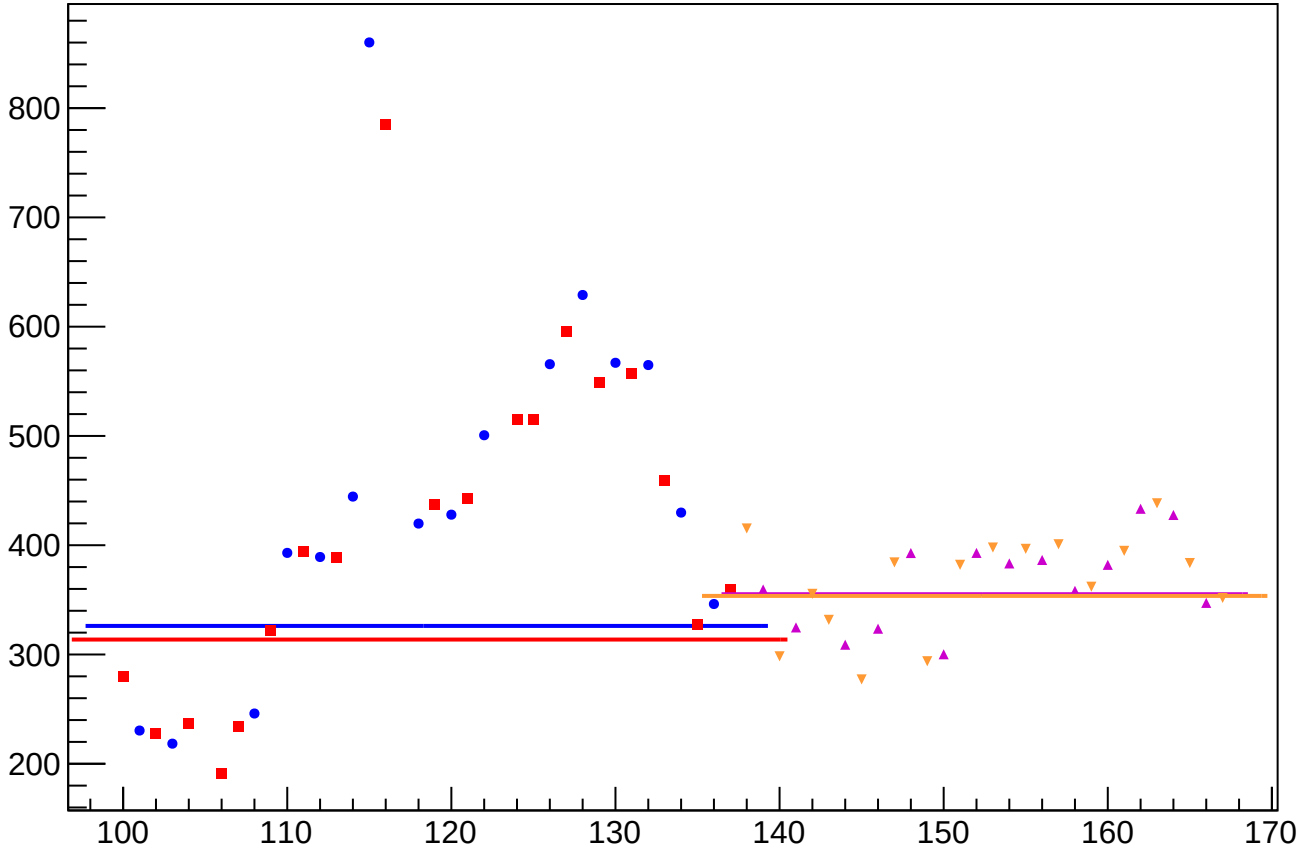
All: 0.000+/-0.000 χ^2/NDF: 11888096.5/64


reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: 23.939+/-17.376 χ²/NDF:26.1/15
Right Out: -20.020+/-22.571 χ²/NDF: 9.2/18
Left In: 12.718+/-18.347 χ²/NDF:6.7/13
Left: 18.633+/-12.616 χ²/NDF: 33.0/29
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 28.960+/-14.386 χ²/NDF:19.7/29
Out: 7.582+/-13.768 χ²/NDF:37.7/34
All: 17.802+/-9.947 χ²/NDF: 58.6/64


reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected
80
75
70
65
60
55
50
100
110
120
130
140
150
160
170
Right In: 61.673+/-0.016 χ²/NDF: 267108.1/15
Left Out: 61.379+/-0.012 χ²/NDF:247891.6/15
Right Out: 60.967+/-0.016 χ²/NDF: 284183.4/18
Left In: 61.895+/-0.013 χ²/NDF:237292.2/13
Left: 61.623+/-0.009 χ²/NDF: 486017.7/29
Right: 61.310+/-0.011 χ²/NDF: 552244.9/34
In: 61.810+/-0.010 χ²/NDF:504513.3/29
Out: 61.226+/-0.010 χ²/NDF:532494.6/34
All: 61.505+/-0.007 χ²/NDF: 1038727.8/64


asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 473.361+/-100.883 χ²/NDF:12.2/15
Right Out: -233.206+/-122.791 χ²/NDF: 14.5/18
Left In: -127.751+/-105.646 χ²/NDF:16.0/13
Left: 186.659+/-72.961 χ²/NDF: 45.2/29
Right: -153.135+/-89.161 χ²/NDF: 28.6/34
In: -102.252+/-81.905 χ²/NDF:29.3/29
Out: 188.624+/-77.949 χ²/NDF:46.5/34
All: 50.380+/-56.465 χ²/NDF: 82.5/64

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 353.613+/-0.071 χ^2/NDF:461401.1/15

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 355.157+/-0.075 χ^2/NDF:279031.9/13

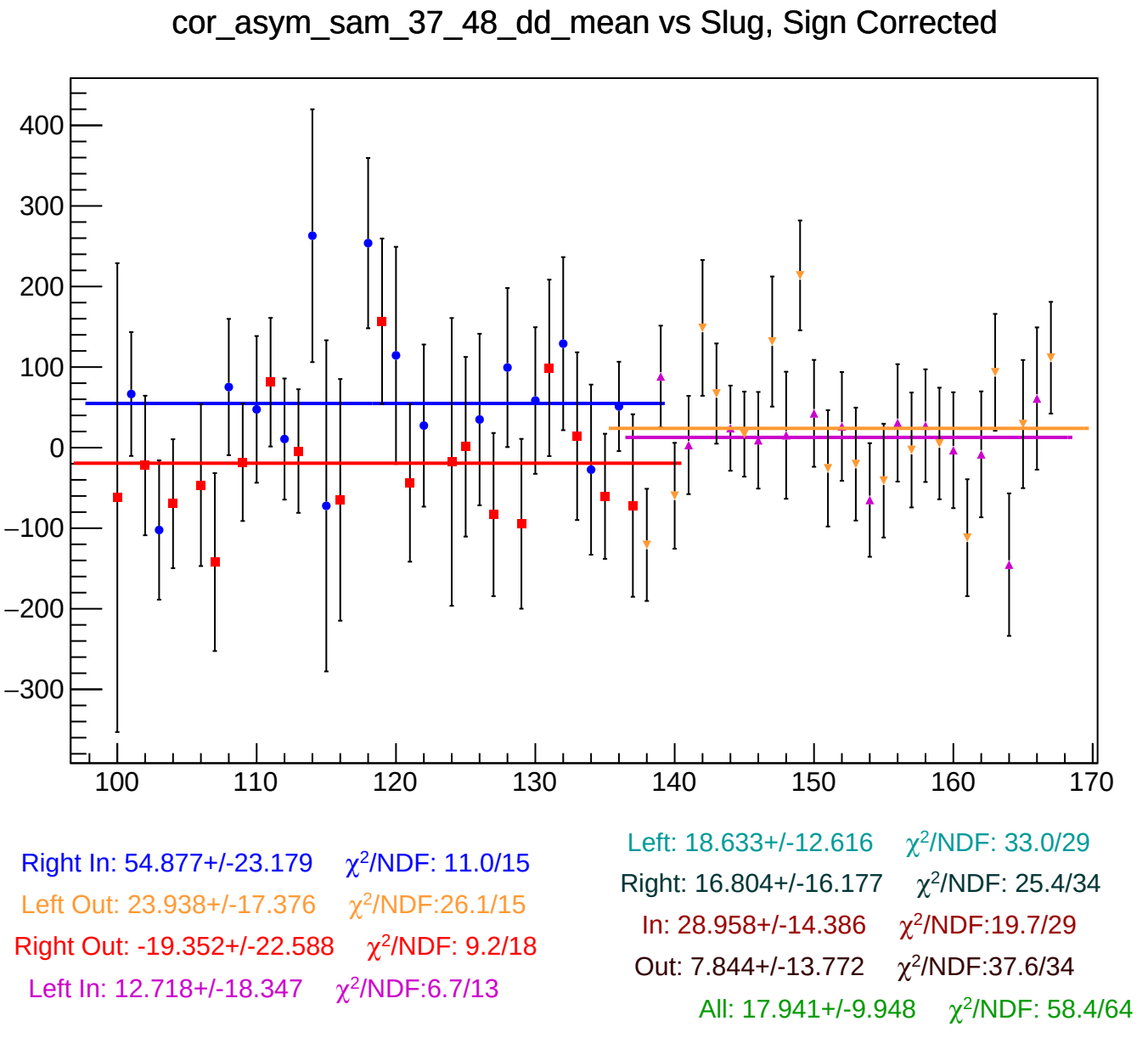
Left: 354.349+/-0.052 χ^2/NDF: 740656.5/29

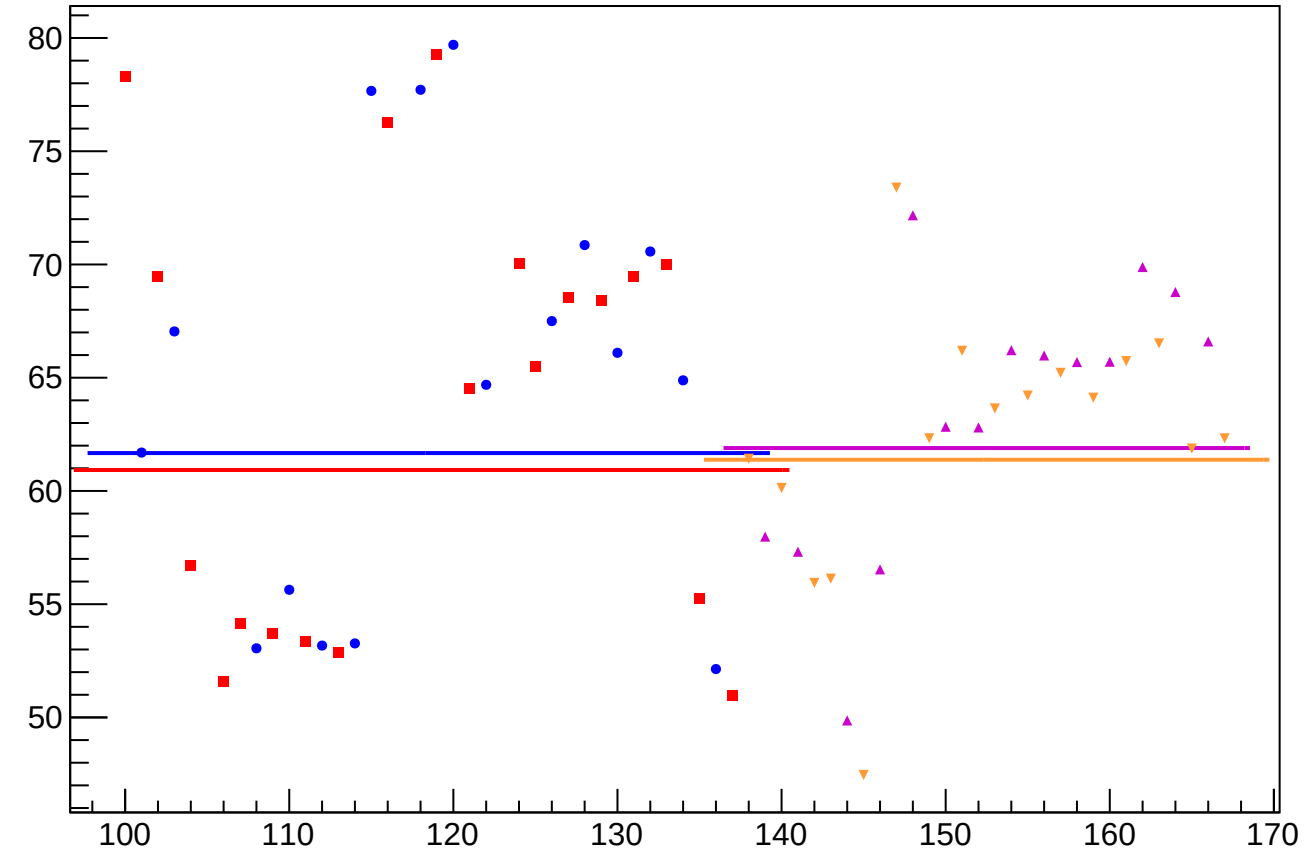
Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 343.584+/-0.058 χ^2/NDF:2073188.8/29

Out: 337.517+/-0.055 χ^2/NDF:2375079.7/34

All: 340.400+/-0.040 χ^2/NDF: 4454025.9/64


cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 23.938+/-17.376 χ²/NDF:26.1/15
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 12.718+/-18.347 χ²/NDF:6.7/13
Left: 18.633+/-12.616 χ²/NDF: 33.0/29
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 28.958+/-14.386 χ²/NDF:19.7/29
Out: 7.844+/-13.772 χ²/NDF:37.6/34
All: 17.941+/-9.948 χ²/NDF: 58.4/64



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.379+/-0.012 χ^2/NDF:247891.6/15

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.895+/-0.013 χ^2/NDF:237292.2/13

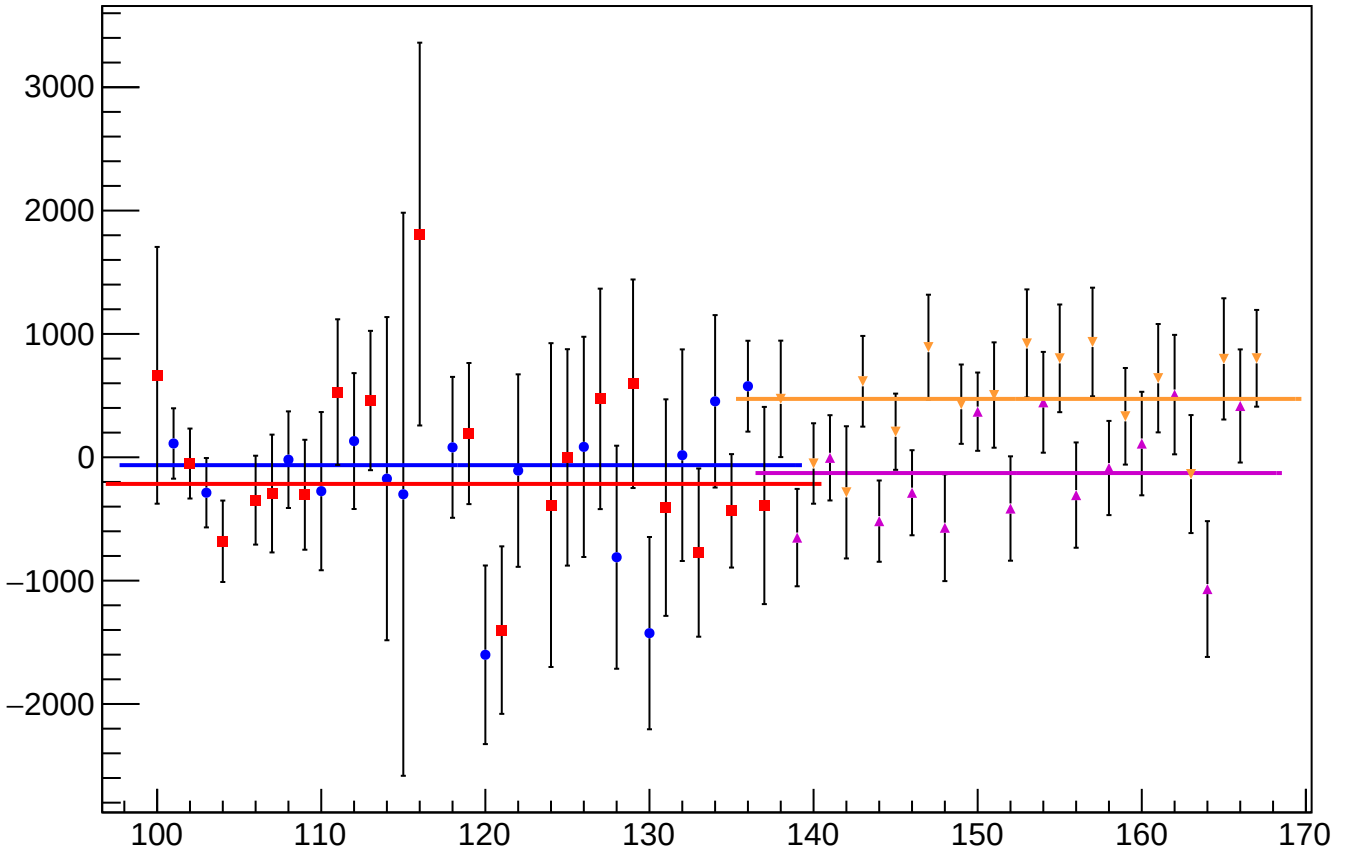
Left: 61.623+/-0.009 χ^2/NDF: 486017.8/29

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.810+/-0.010 χ^2/NDF:504513.5/29

Out: 61.211+/-0.010 χ^2/NDF:535977.6/34

All: 61.497+/-0.007 χ^2/NDF: 1042300.2/64



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 473.360+/-100.883 χ^2/NDF:12.2/15

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -127.750+/-105.646 χ^2/NDF:16.0/13

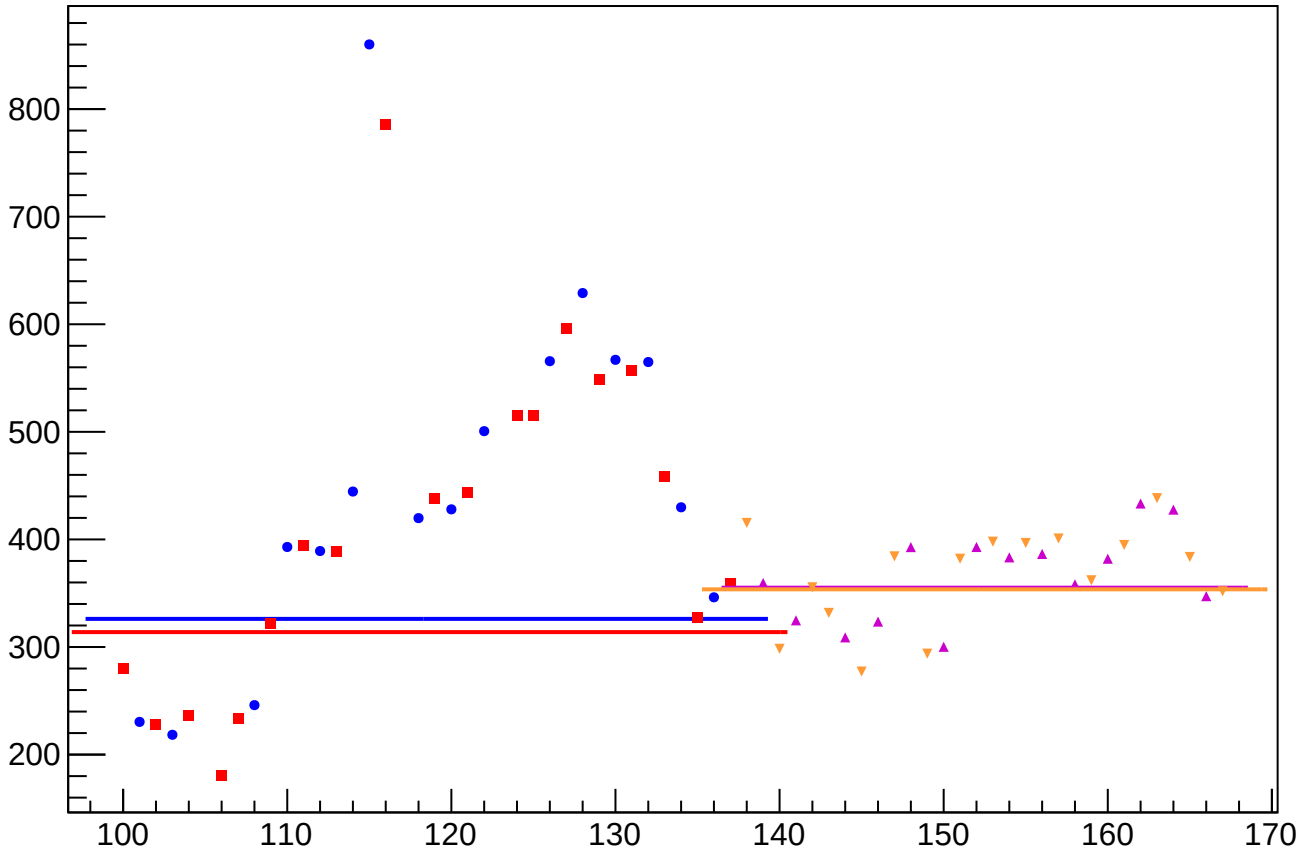
Left: 186.659+/-72.961 χ^2/NDF: 45.2/29

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -102.246+/-81.905 χ^2/NDF:29.3/29

Out: 197.477+/-78.127 χ^2/NDF:45.0/34

All: 54.687+/-56.533 χ^2/NDF: 81.4/64



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.613+/-0.071 χ^2/NDF:461400.3/15

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 355.157+/-0.075 χ^2/NDF:279031.9/13

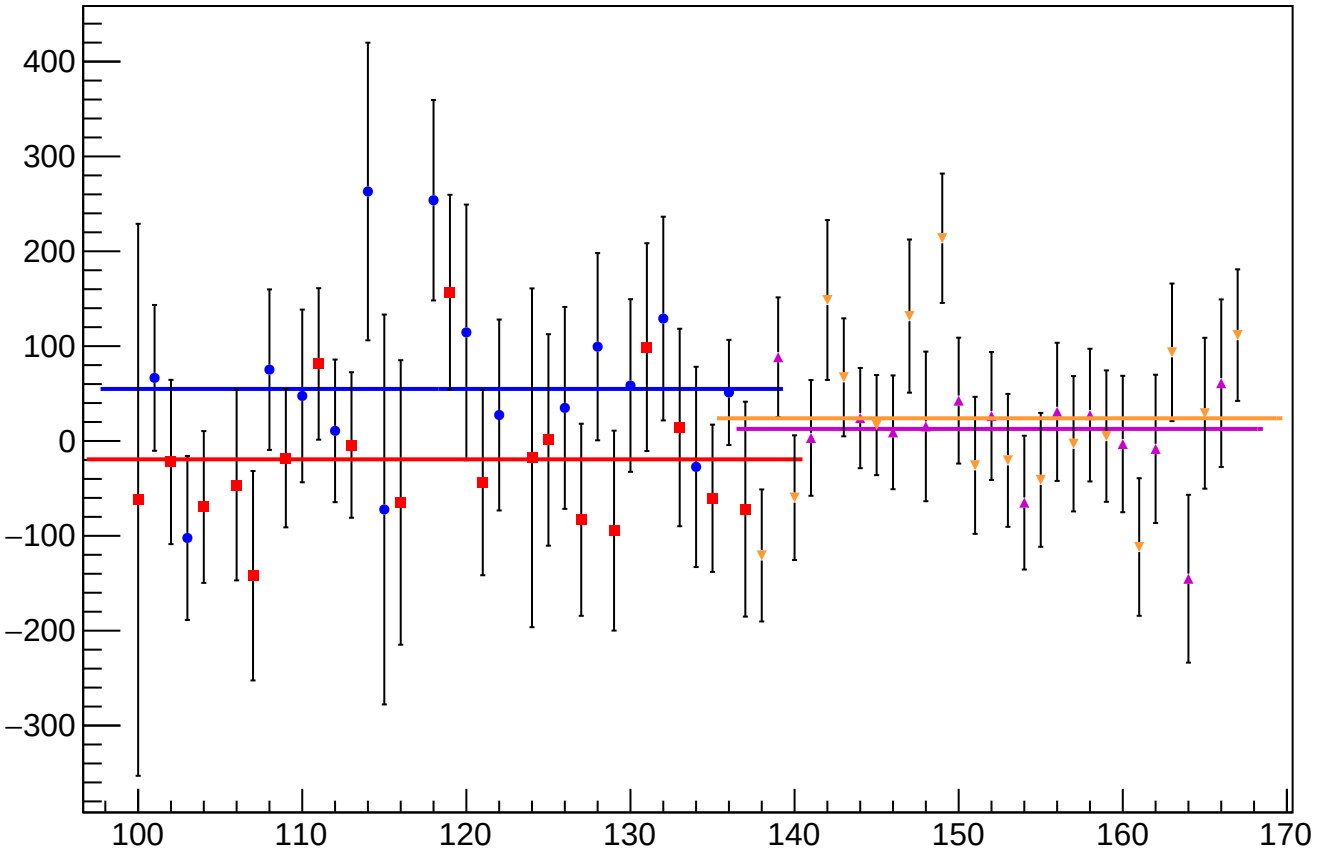
Left: 354.349+/-0.052 χ^2/NDF: 740655.7/29

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.585+/-0.058 χ^2/NDF:2073116.2/29

Out: 337.702+/-0.055 χ^2/NDF:2391470.9/34

All: 340.505+/-0.040 χ^2/NDF: 4469989.9/64



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 23.938+/-17.376 χ^2/NDF:26.1/15

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 12.718+/-18.347 χ^2/NDF:6.7/13

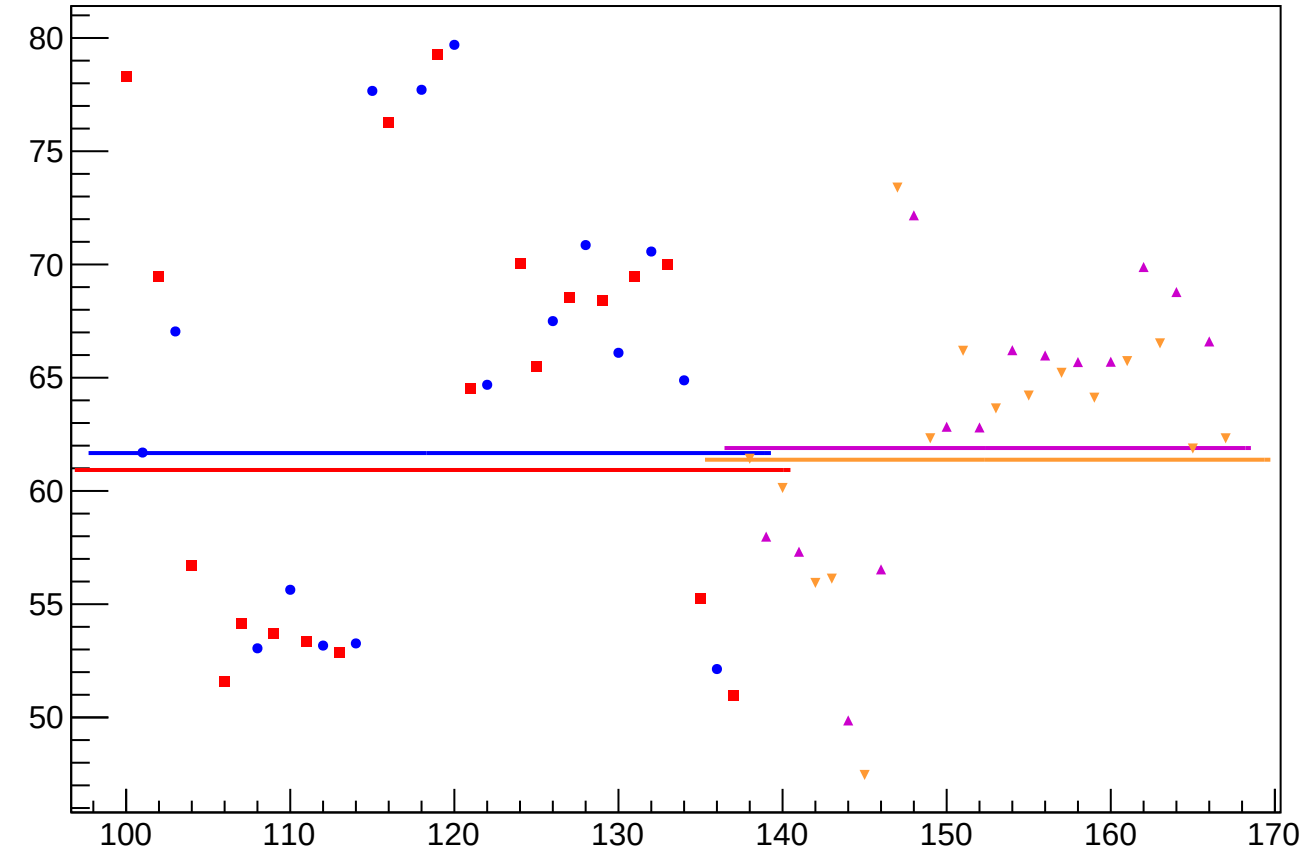
Left: 18.633+/-12.616 χ^2/NDF: 33.0/29

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 28.958+/-14.386 χ^2/NDF:19.7/29

Out: 7.844+/-13.772 χ^2/NDF:37.6/34

All: 17.941+/-9.948 χ^2/NDF: 58.4/64



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.379+/-0.012 χ^2/NDF:247891.6/15

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.895+/-0.013 χ^2/NDF:237292.2/13

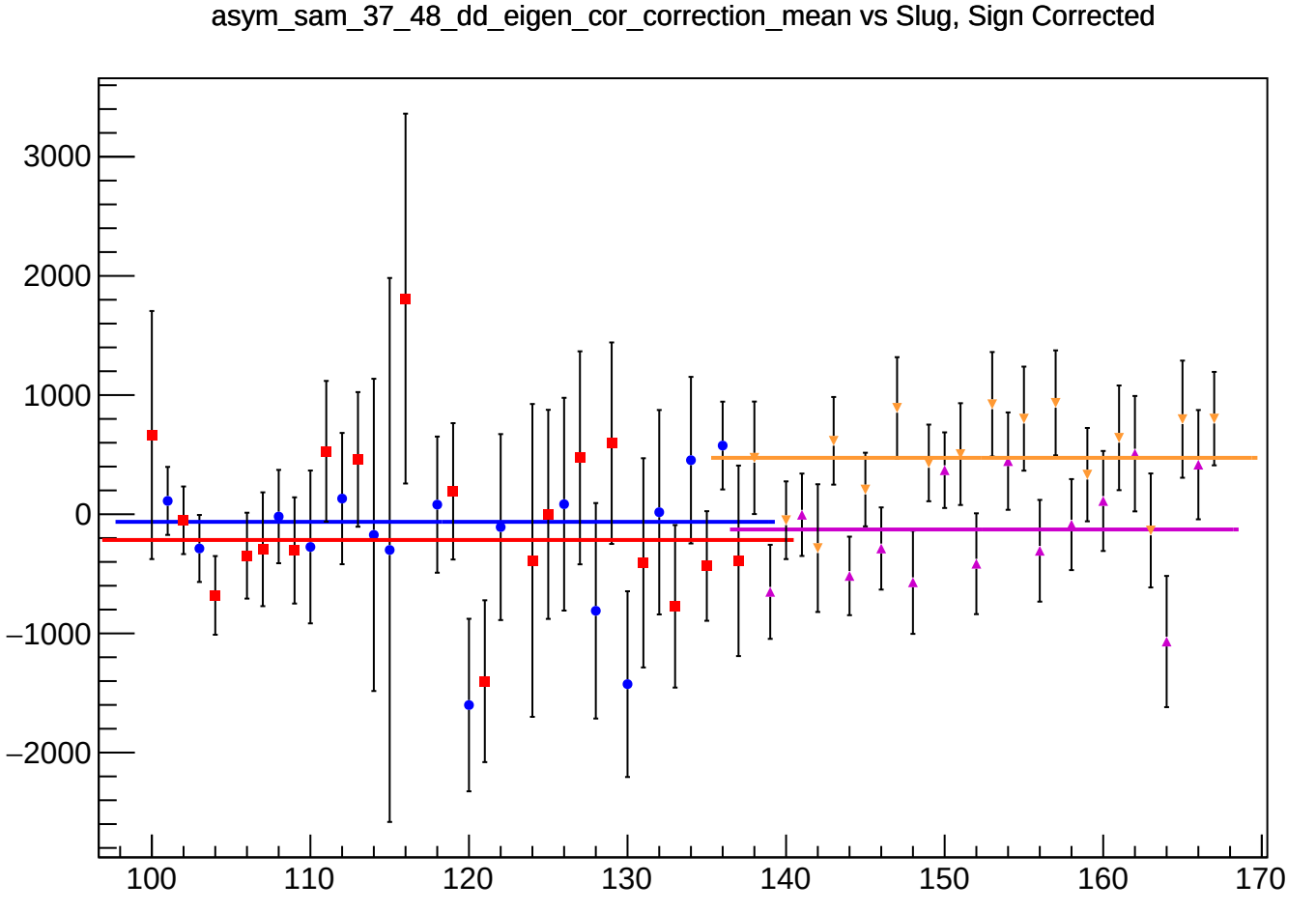
Left: 61.623+/-0.009 χ^2/NDF: 486017.8/29

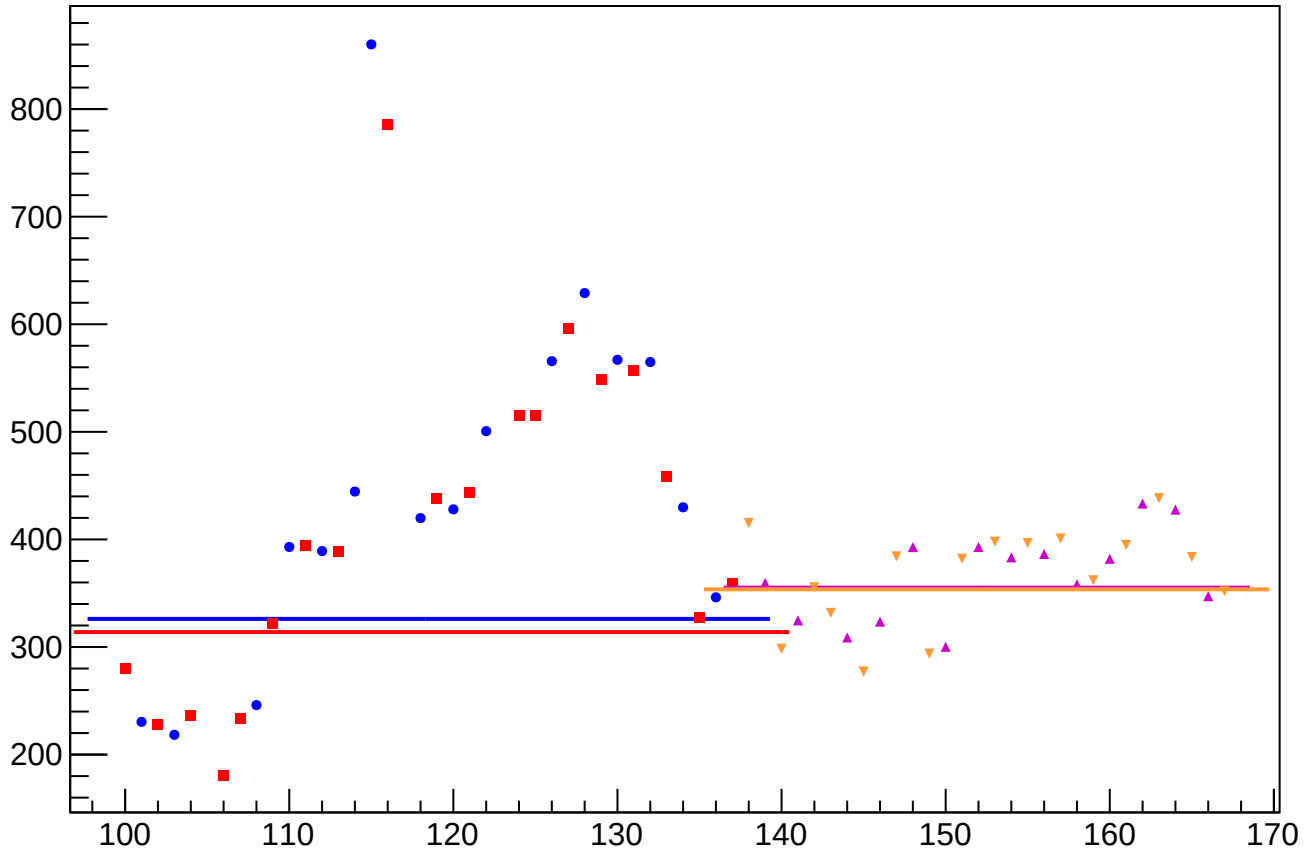
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.810+/-0.010 χ^2/NDF:504513.5/29

Out: 61.211+/-0.010 χ^2/NDF:535977.6/34

All: 61.497+/-0.007 χ^2/NDF: 1042300.2/64


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 473.360+/-100.883 χ²/NDF:12.2/15
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -127.750+/-105.646 χ²/NDF:16.0/13
Left: 186.659+/-72.961 χ²/NDF: 45.2/29
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -102.246+/-81.905 χ²/NDF:29.3/29
Out: 197.477+/-78.127 χ²/NDF:45.0/34
All: 54.687+/-56.533 χ²/NDF: 81.4/64



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.613+/-0.071 χ^2/NDF:461400.3/15

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 355.157+/-0.075 χ^2/NDF:279031.9/13

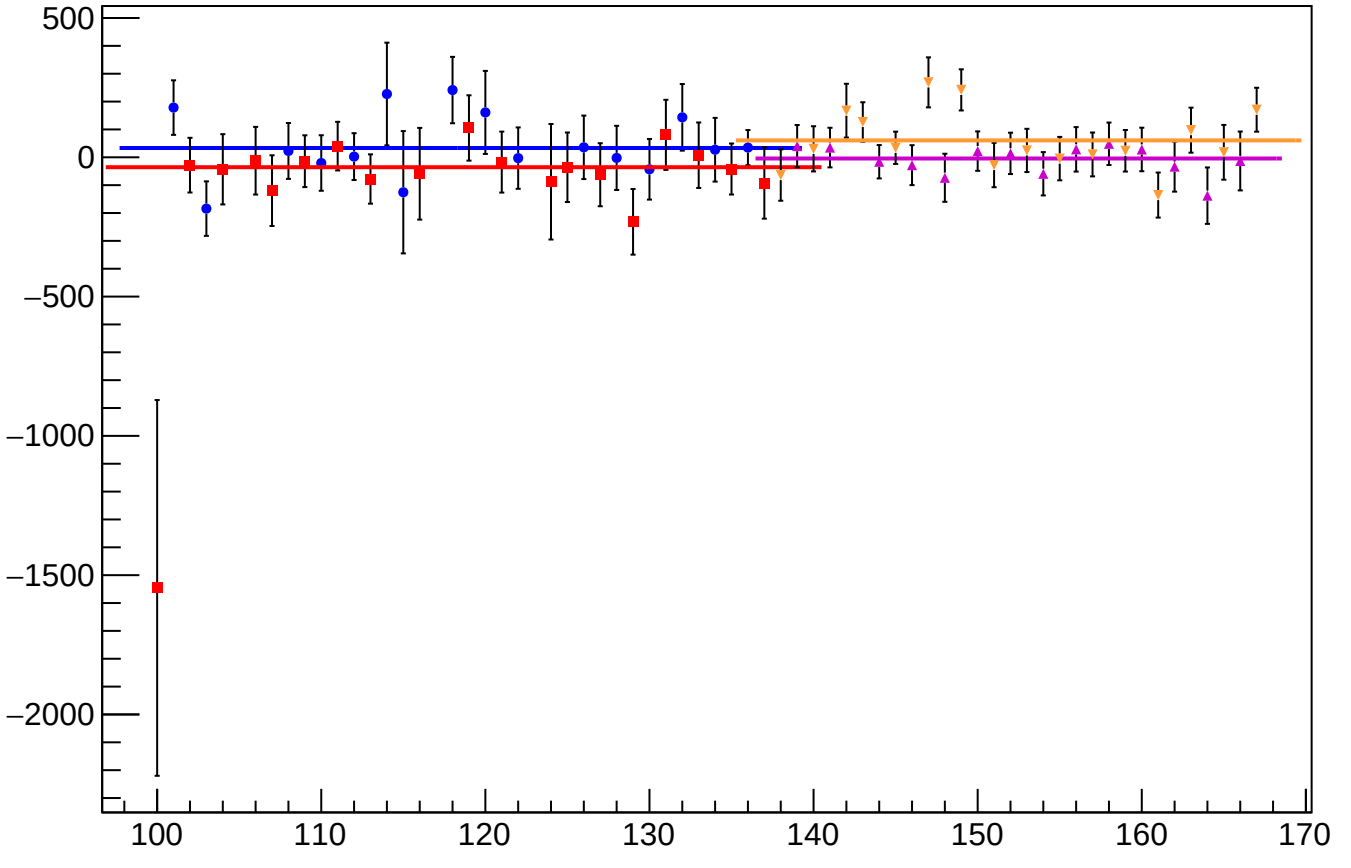
Left: 354.349+/-0.052 χ^2/NDF: 740655.7/29

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.585+/-0.058 χ^2/NDF:2073116.2/29

Out: 337.702+/-0.055 χ^2/NDF:2391470.9/34

All: 340.505+/-0.040 χ^2/NDF: 4469989.9/64



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 60.626+/-19.681 χ^2/NDF:26.7/15

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -4.304+/-20.716 χ^2/NDF:4.8/13

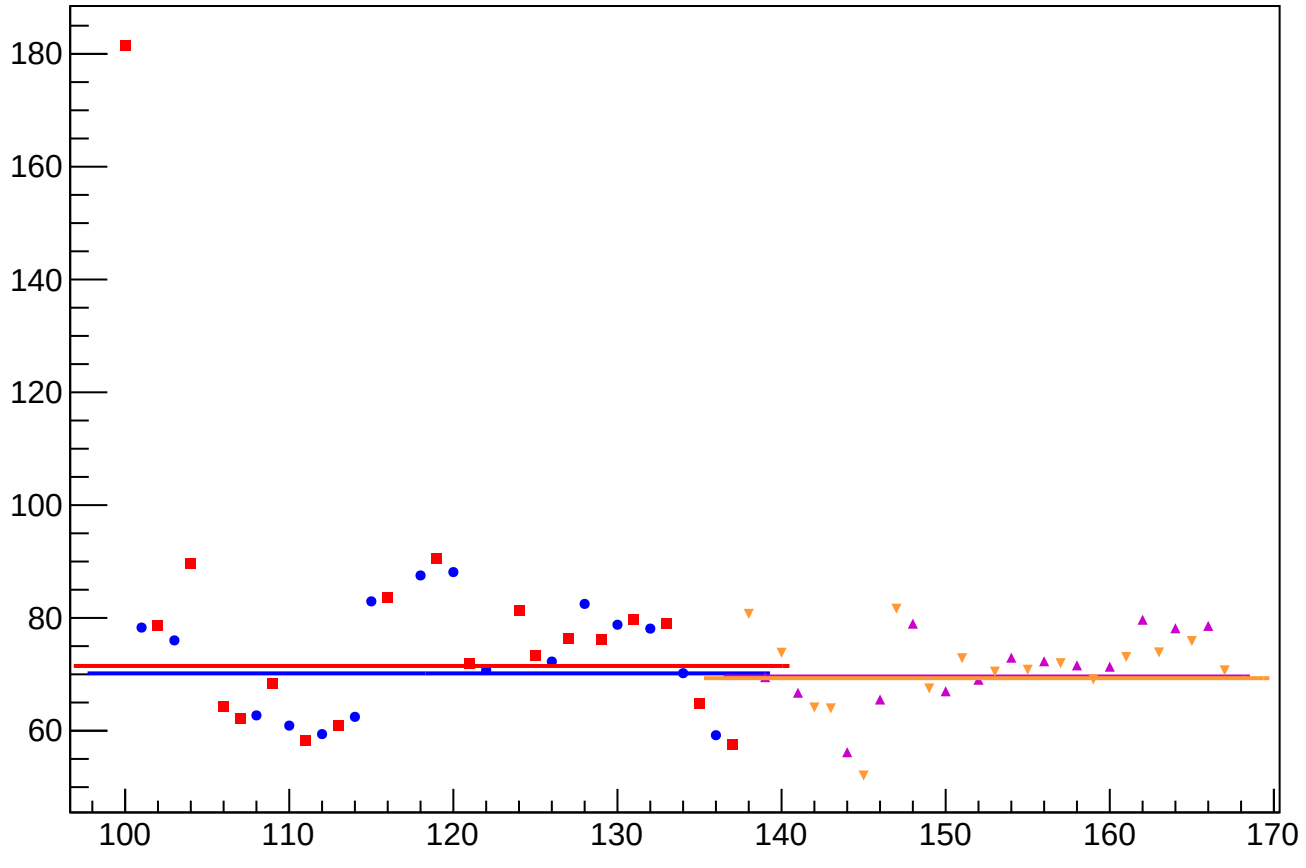
Left: 29.824+/-14.268 χ^2/NDF: 36.7/29

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 10.055+/-16.301 χ^2/NDF:20.6/29

Out: 26.487+/-15.808 χ^2/NDF:47.3/34

All: 18.523+/-11.348 χ^2/NDF: 68.4/64



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.321+/-0.014 χ^2/NDF:298271.1/15

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.614+/-0.015 χ^2/NDF:198721.2/13

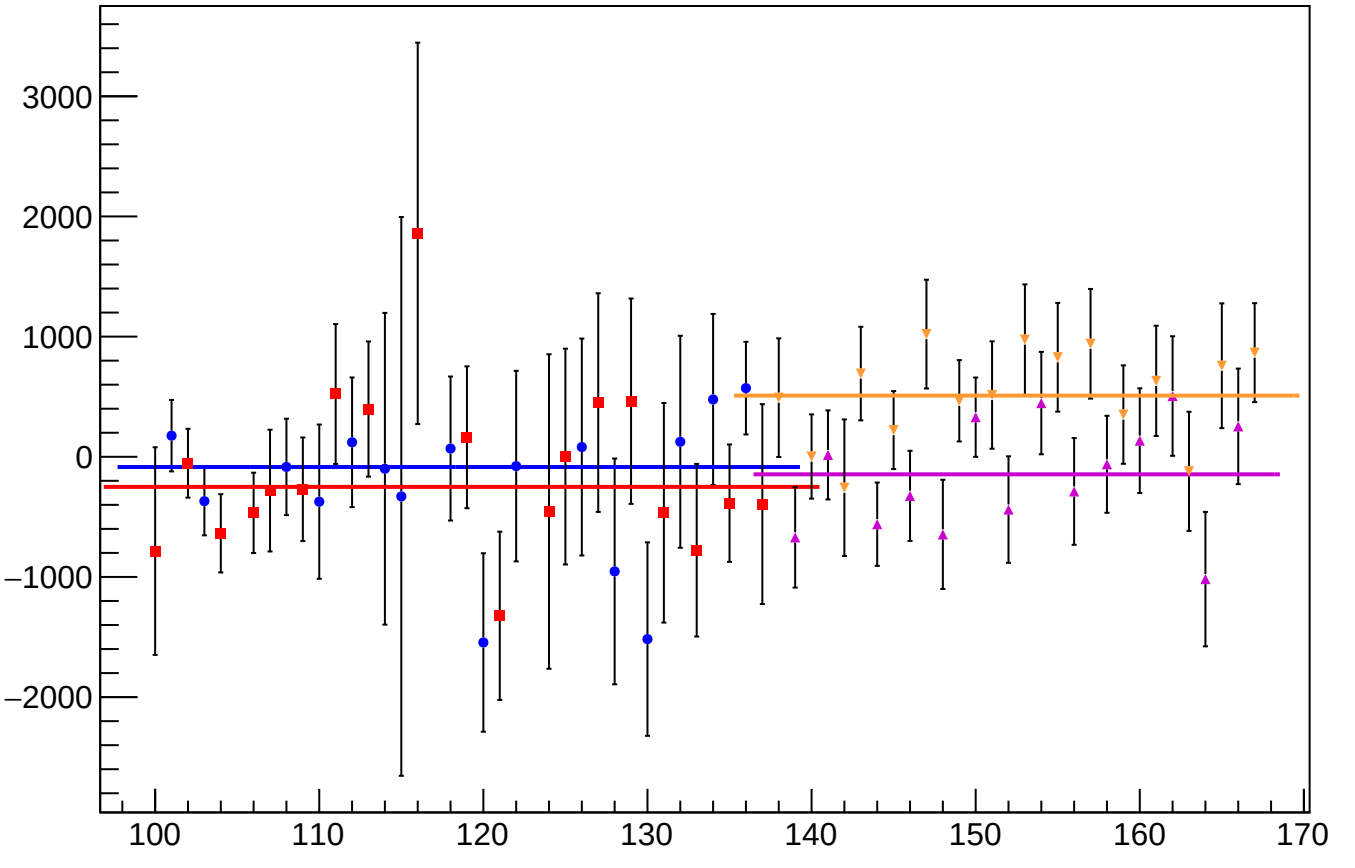
Left: 69.460+/-0.010 χ^2/NDF: 497203.4/29

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.825+/-0.012 χ^2/NDF:468514.2/29

Out: 70.088+/-0.011 χ^2/NDF:632554.7/34

All: 69.960+/-0.008 χ^2/NDF: 1101337.6/64



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 509.177+/-106.064 χ^2/NDF:11.5/15

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -145.984+/-111.045 χ^2/NDF:14.5/13

Left: 196.620+/-76.699 χ^2/NDF: 44.1/29

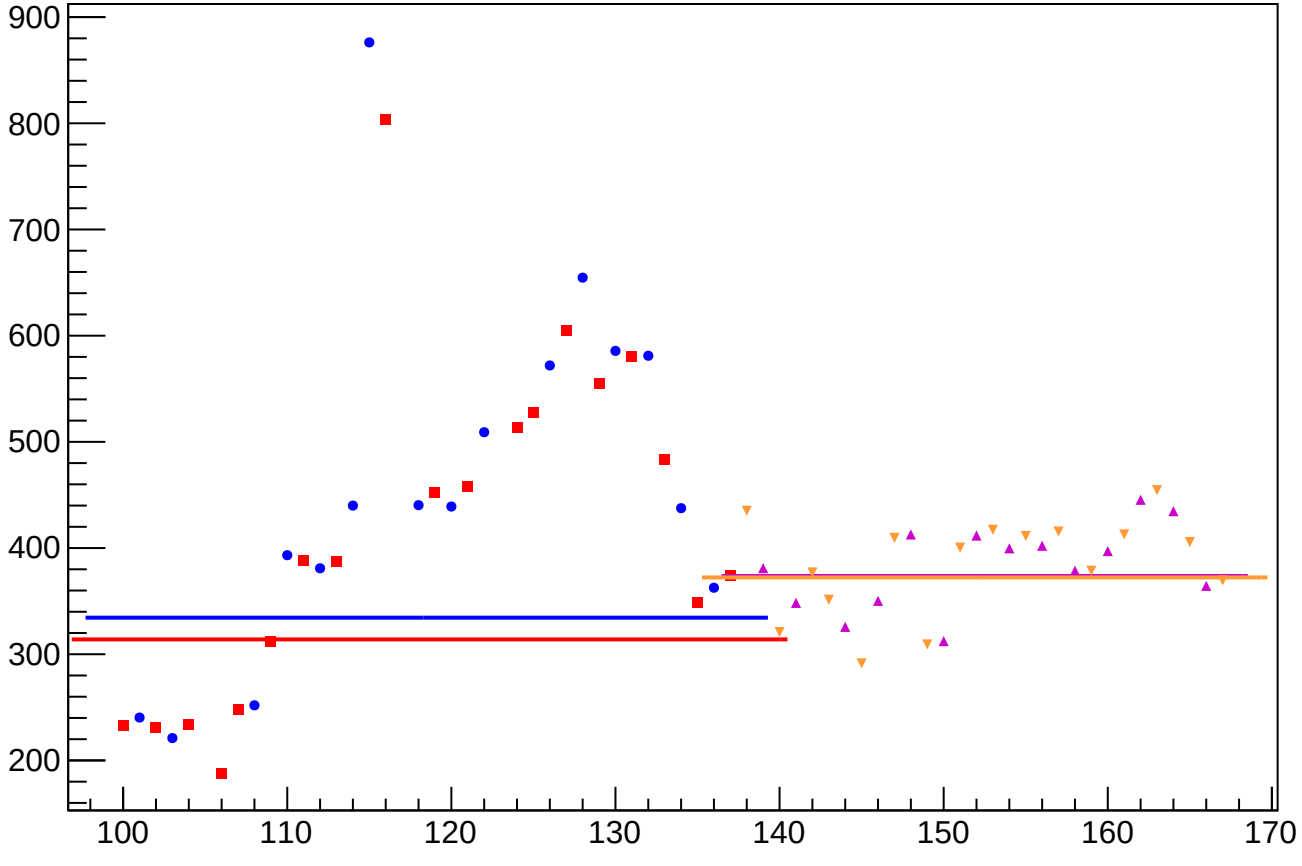
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -120.983+/-85.208 χ^2/NDF:28.3/29

Out: 186.136+/-80.408 χ^2/NDF:45.7/34

All: 41.470+/-58.480 χ^2/NDF: 80.9/64

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 372.313+/-0.075 χ^2/NDF:428068.0/15

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 373.693+/-0.079 χ^2/NDF:242457.4/13

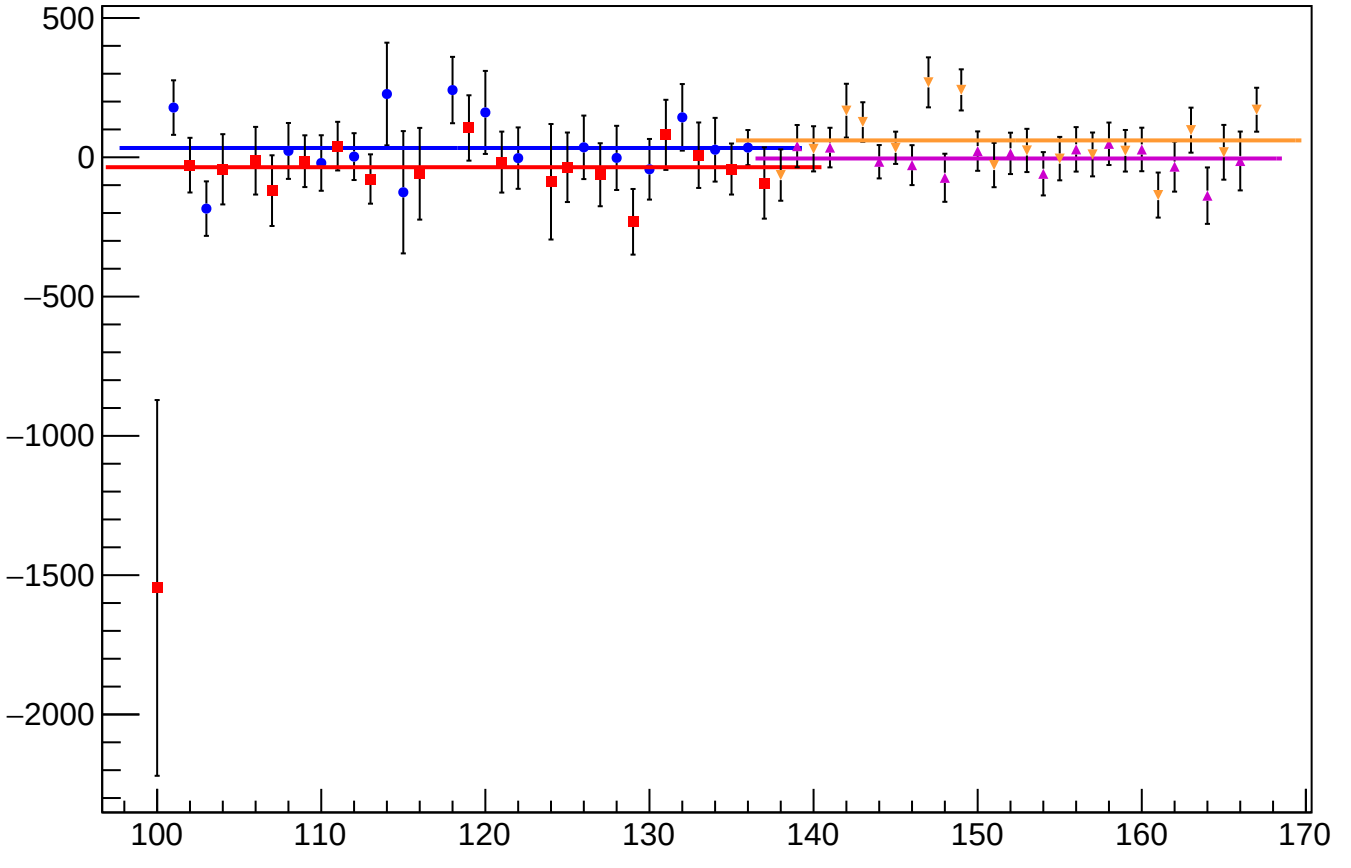
Left: 372.971+/-0.054 χ^2/NDF: 670686.8/29

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 357.548+/-0.060 χ^2/NDF:2075877.1/29

Out: 347.502+/-0.057 χ^2/NDF:2590023.0/34

All: 352.234+/-0.041 χ^2/NDF: 4680604.6/64



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 60.625+/-19.681 χ^2/NDF:26.7/15

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -4.304+/-20.716 χ^2/NDF:4.8/13

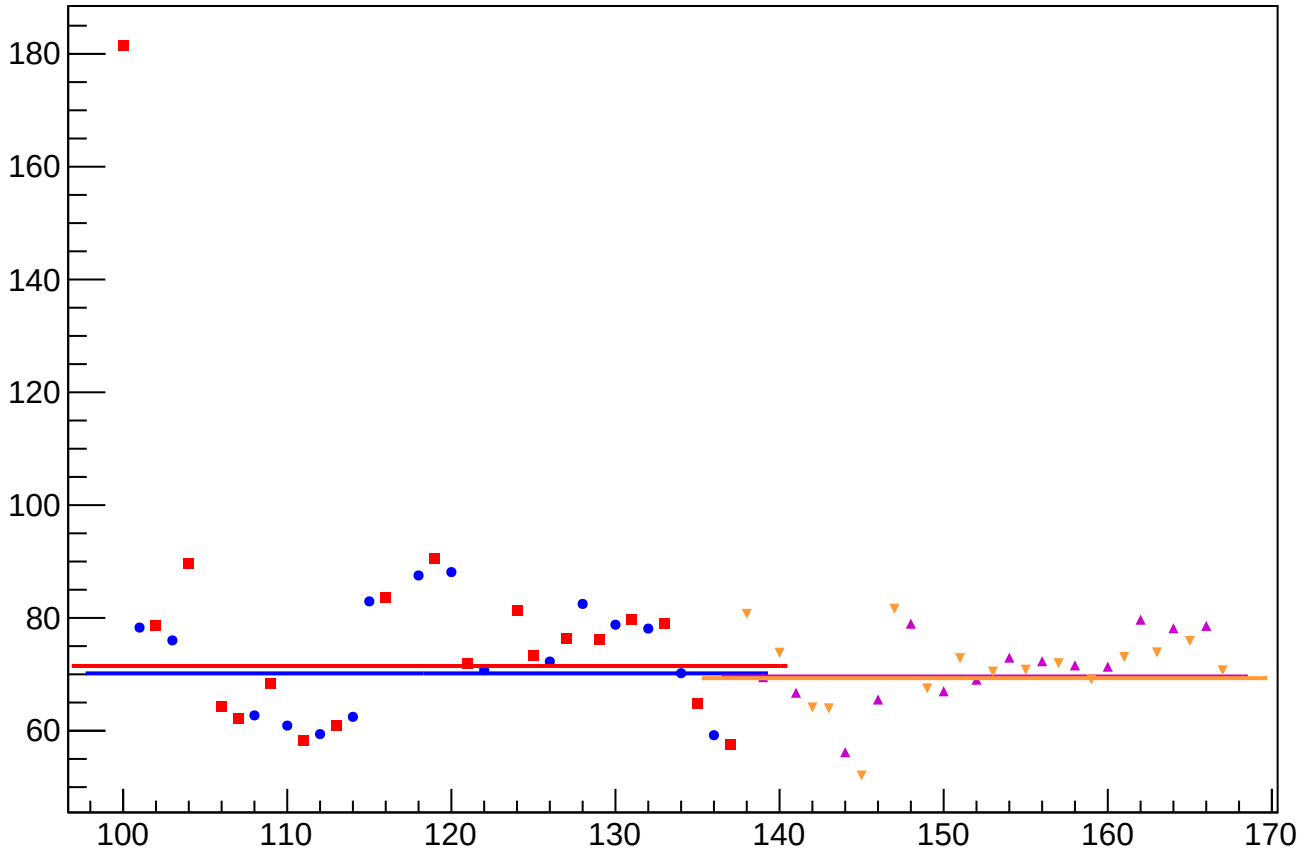
Left: 29.824+/-14.268 χ^2/NDF: 36.7/29

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 10.054+/-16.301 χ^2/NDF:20.6/29

Out: 26.487+/-15.808 χ^2/NDF:47.3/34

All: 18.523+/-11.348 χ^2/NDF: 68.4/64



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.321+/-0.014 χ^2/NDF:298277.0/15

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.614+/-0.015 χ^2/NDF:198723.0/13

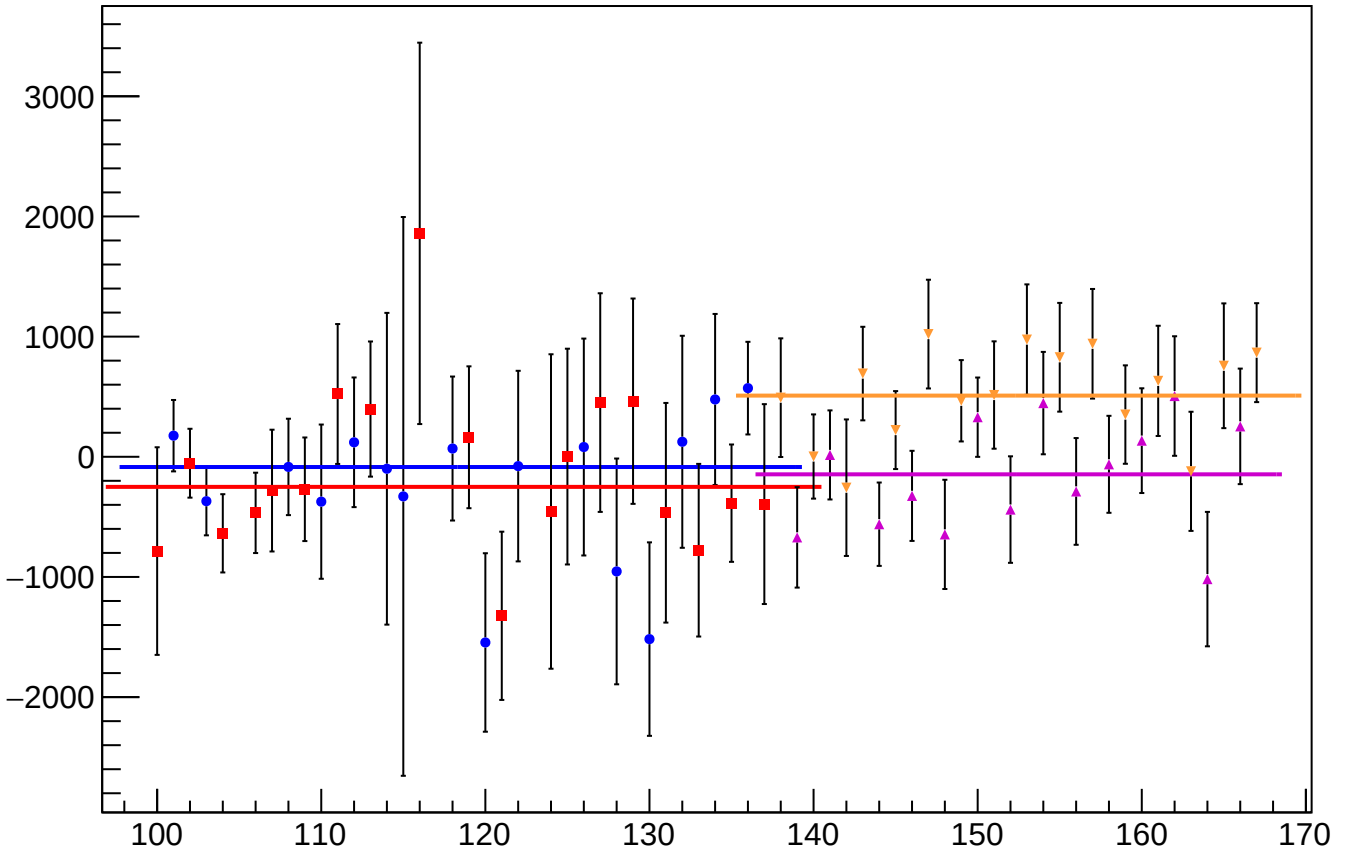
Left: 69.460+/-0.010 χ^2/NDF: 497211.0/29

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

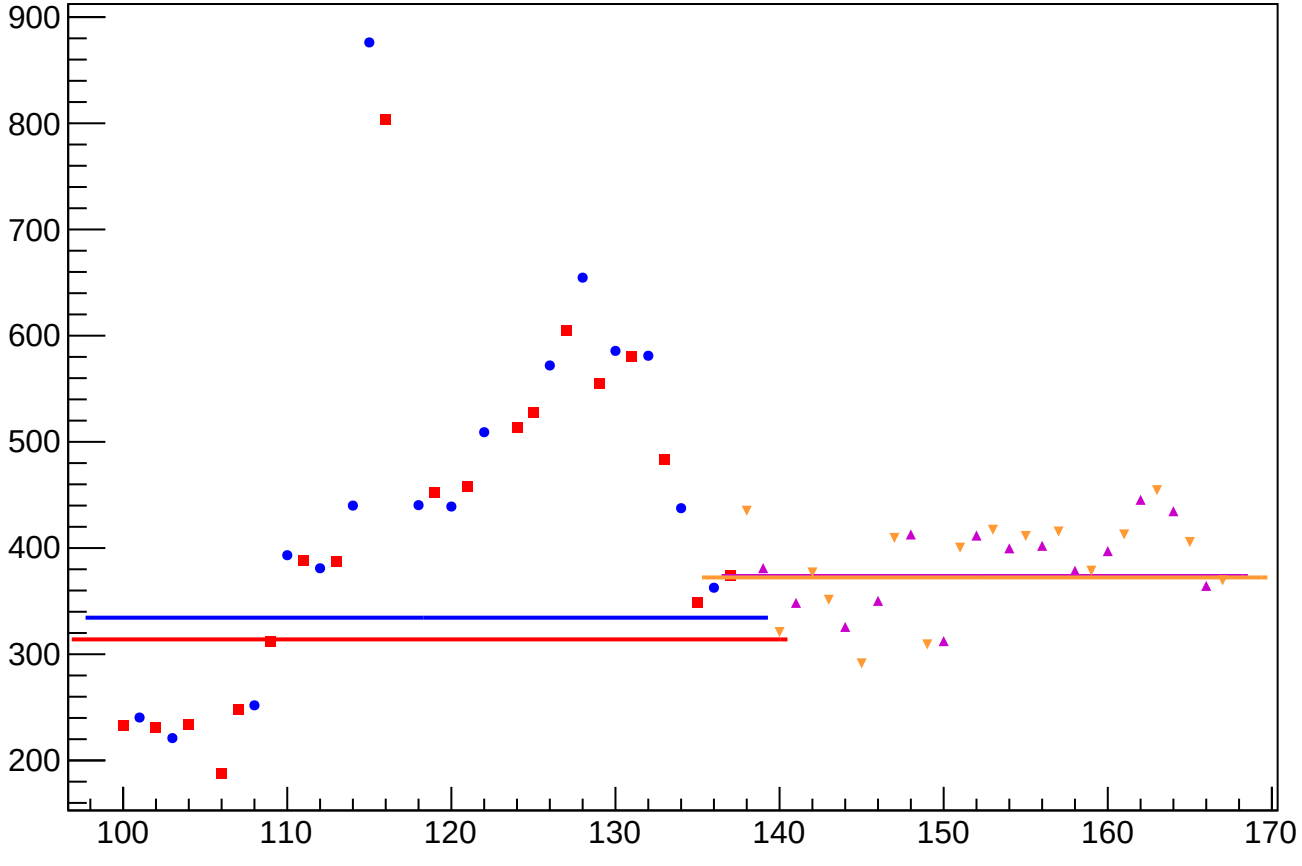
In: 69.825+/-0.012 χ^2/NDF:468519.2/29

Out: 70.088+/-0.011 χ^2/NDF:632567.9/34

All: 69.960+/-0.008 χ^2/NDF: 1101355.8/64


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -85.185+/-132.877 χ²/NDF: 13.7/15
Left Out: 509.176+/-106.064 χ²/NDF:11.5/15
Right Out: -250.440+/-123.302 χ²/NDF: 12.5/18
Left In: -145.984+/-111.045 χ²/NDF:14.5/13
Left: 196.619+/-76.699 χ²/NDF: 44.1/29
Right: -173.981+/-90.383 χ²/NDF: 27.0/34
In: -120.983+/-85.208 χ²/NDF:28.3/29
Out: 186.135+/-80.408 χ²/NDF:45.7/34
All: 41.469+/-58.480 χ²/NDF: 80.9/64

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 372.313+/-0.075 χ^2/NDF:428072.1/15

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 373.693+/-0.079 χ^2/NDF:242457.3/13

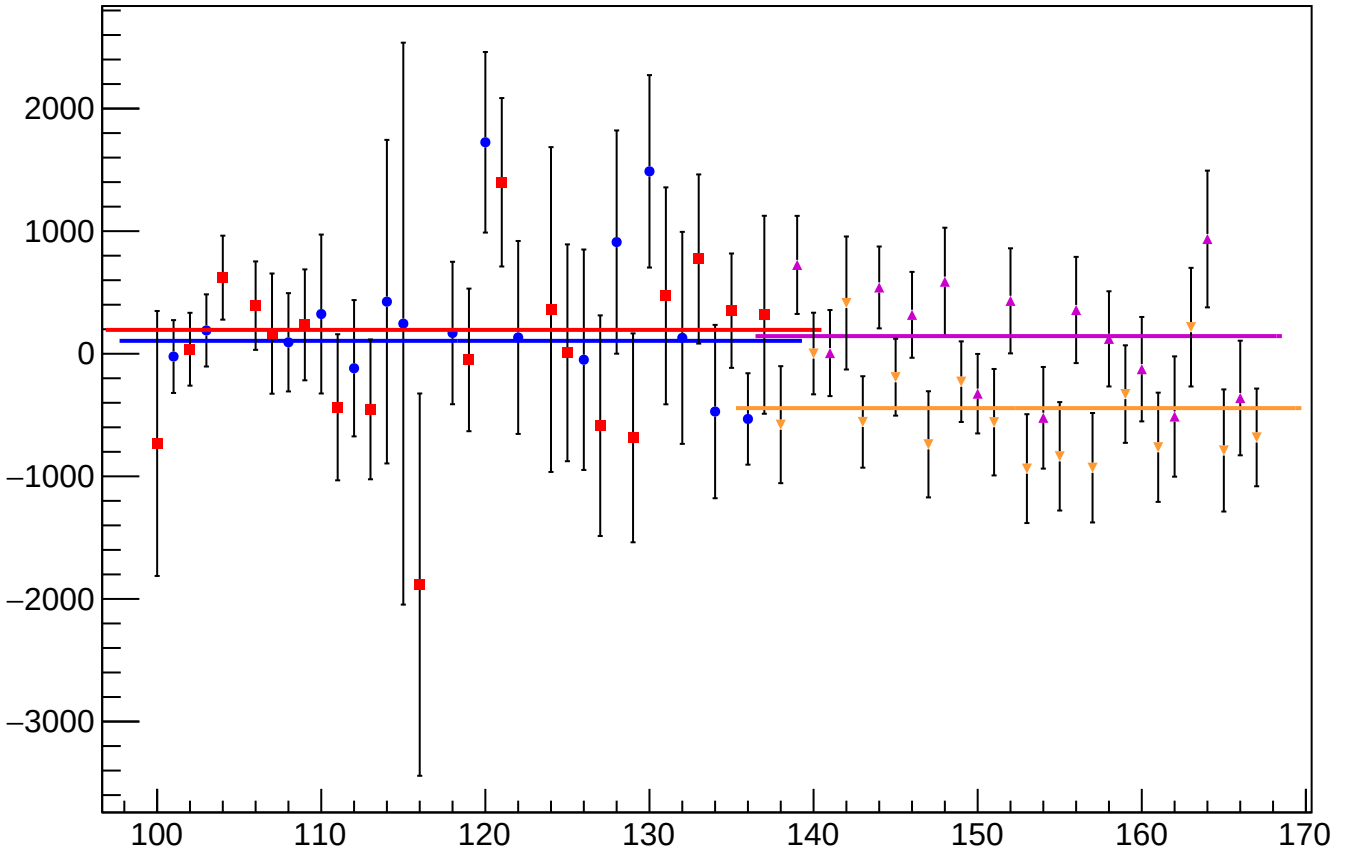
Left: 372.971+/-0.054 χ^2/NDF: 670690.9/29

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 357.548+/-0.060 χ^2/NDF:2075874.9/29

Out: 347.502+/-0.057 χ^2/NDF:2590023.9/34

All: 352.234+/-0.041 χ^2/NDF: 4680603.9/64



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -443.573+/-102.474 χ^2/NDF:12.6/15

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 143.991+/-107.313 χ^2/NDF:15.7/13

Left: -163.336+/-74.112 χ^2/NDF: 43.9/29

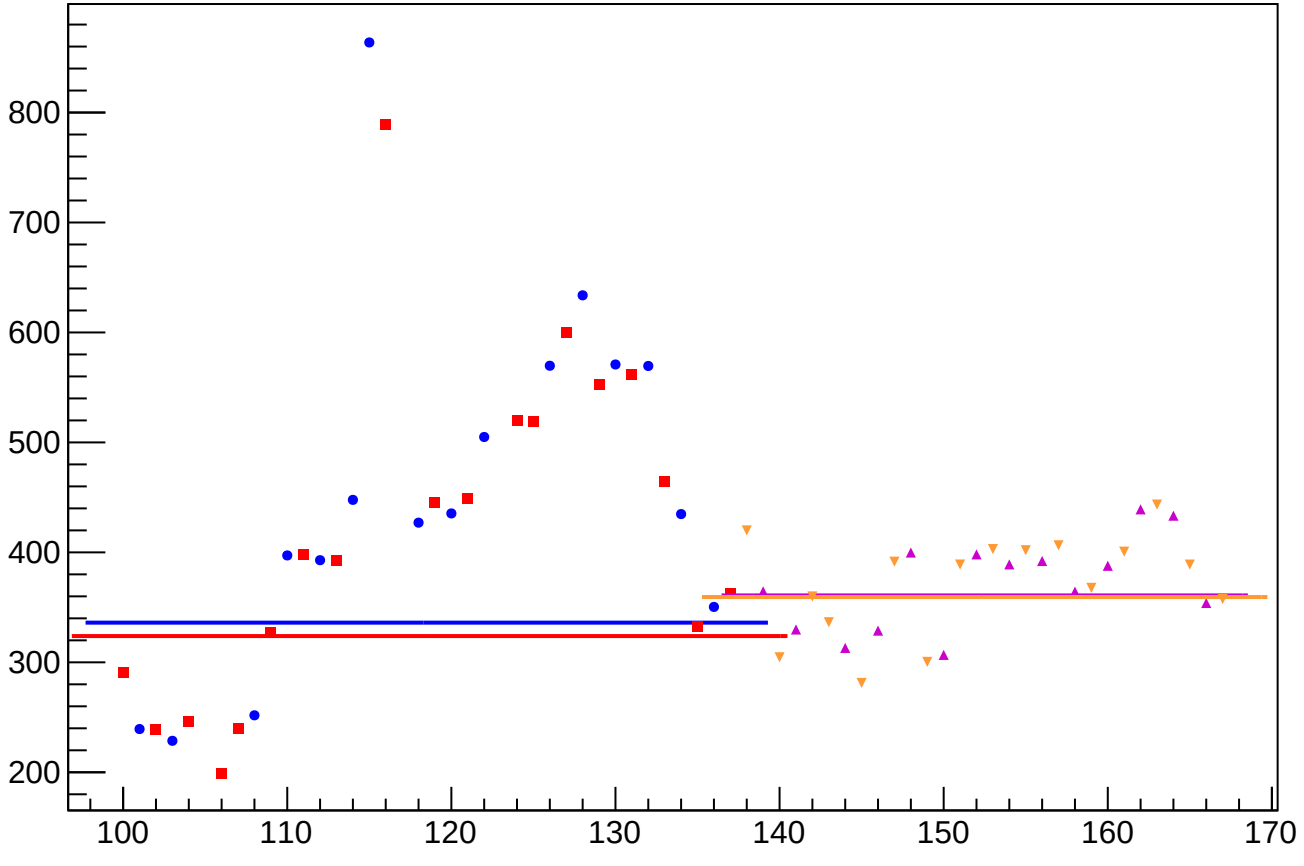
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 128.776+/-83.528 χ^2/NDF:28.7/29

Out: -189.946+/-79.551 χ^2/NDF:41.1/34

All: -38.354+/-57.606 χ^2/NDF: 77.5/64

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 359.365+/-0.072 χ^2/NDF:448352.9/15

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 360.872+/-0.076 χ^2/NDF:272876.8/13

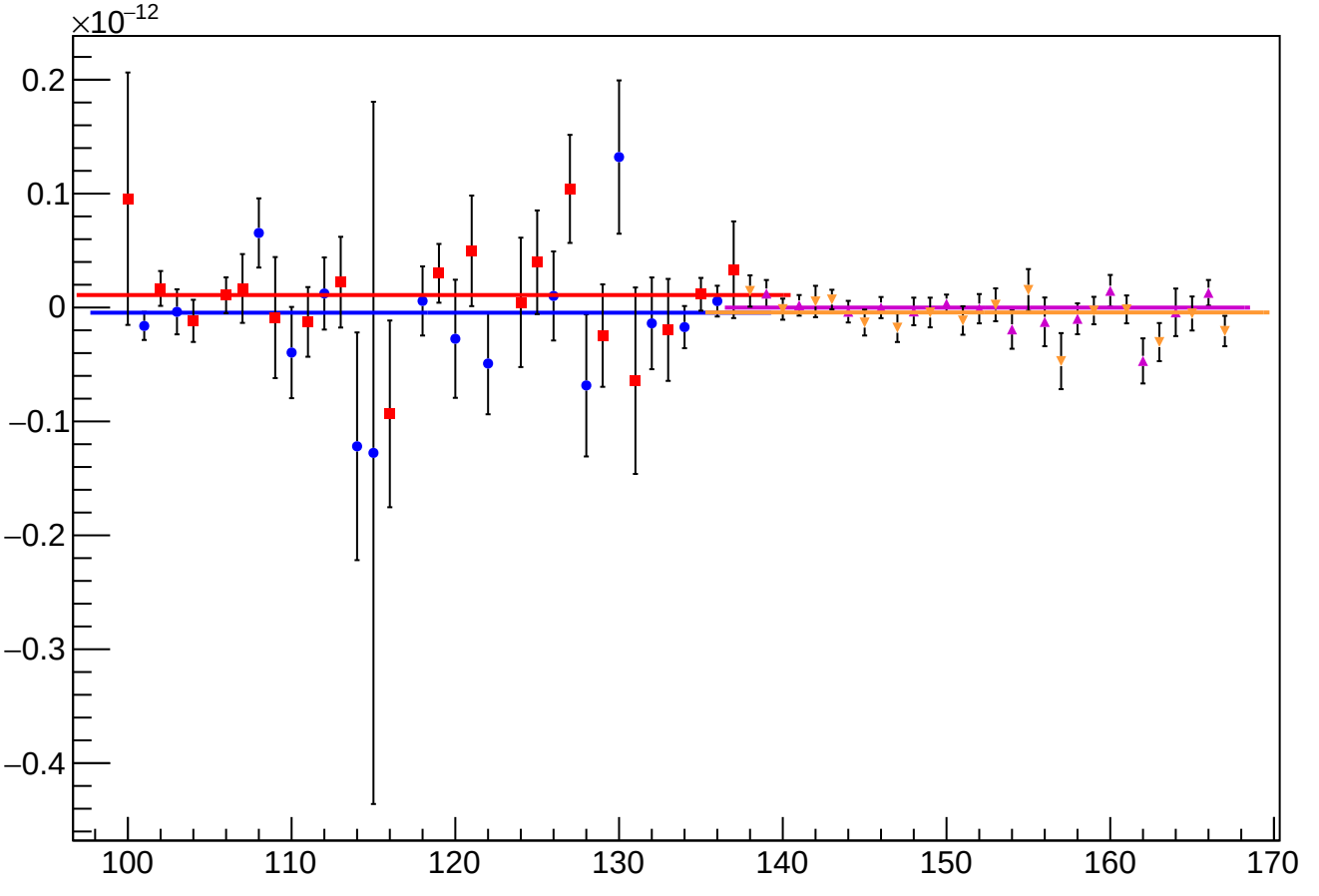
Left: 360.084+/-0.052 χ^2/NDF: 721435.9/29

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 351.105+/-0.059 χ^2/NDF:1933907.0/29

Out: 345.267+/-0.056 χ^2/NDF:2209041.0/34

All: 348.044+/-0.041 χ^2/NDF: 4148070.9/64



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.7/13

Left: -0.000+/-0.000 χ^2/NDF: 27.3/29

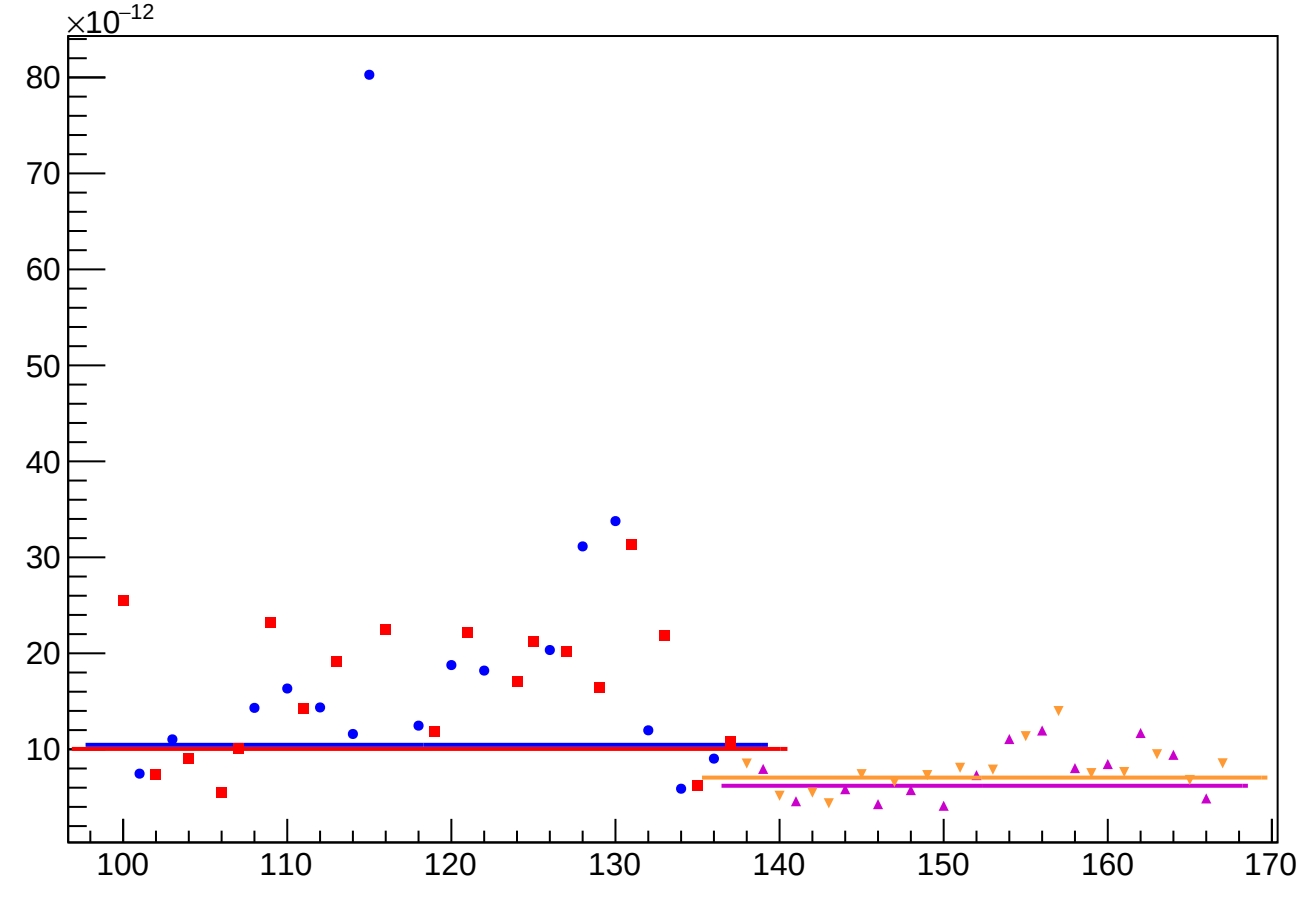
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:28.6/29

Out: -0.000+/-0.000 χ^2/NDF:31.6/34

All: -0.000+/-0.000 χ^2/NDF: 60.2/64

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:696385.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:975294.7/13

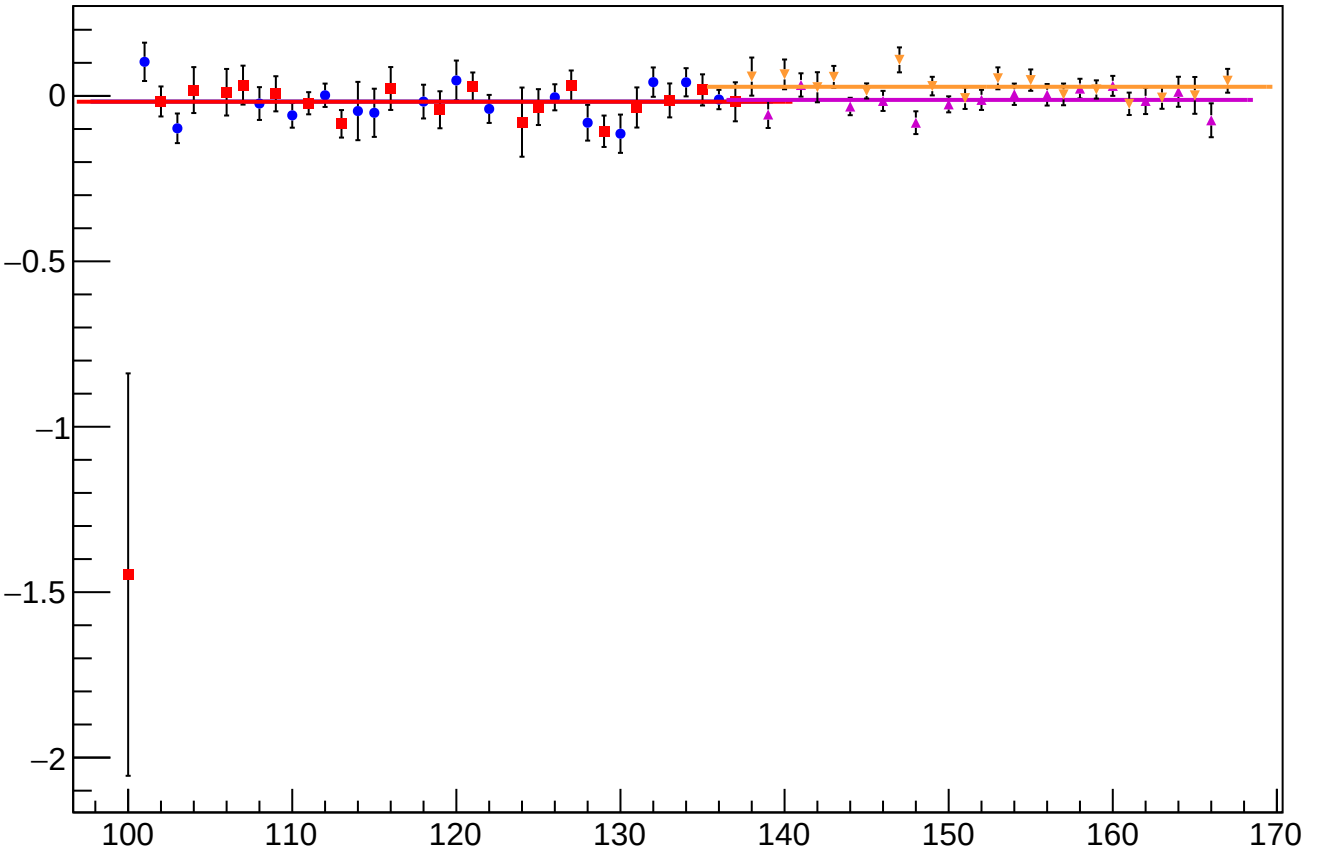
Left: 0.000+/-0.000 χ^2/NDF: 1743682.7/29

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2864533.1/29

Out: 0.000+/-0.000 χ^2/NDF:2459971.3/34

All: 0.000+/-0.000 χ^2/NDF: 5370464.0/64



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.009 χ^2/NDF:13.2/13

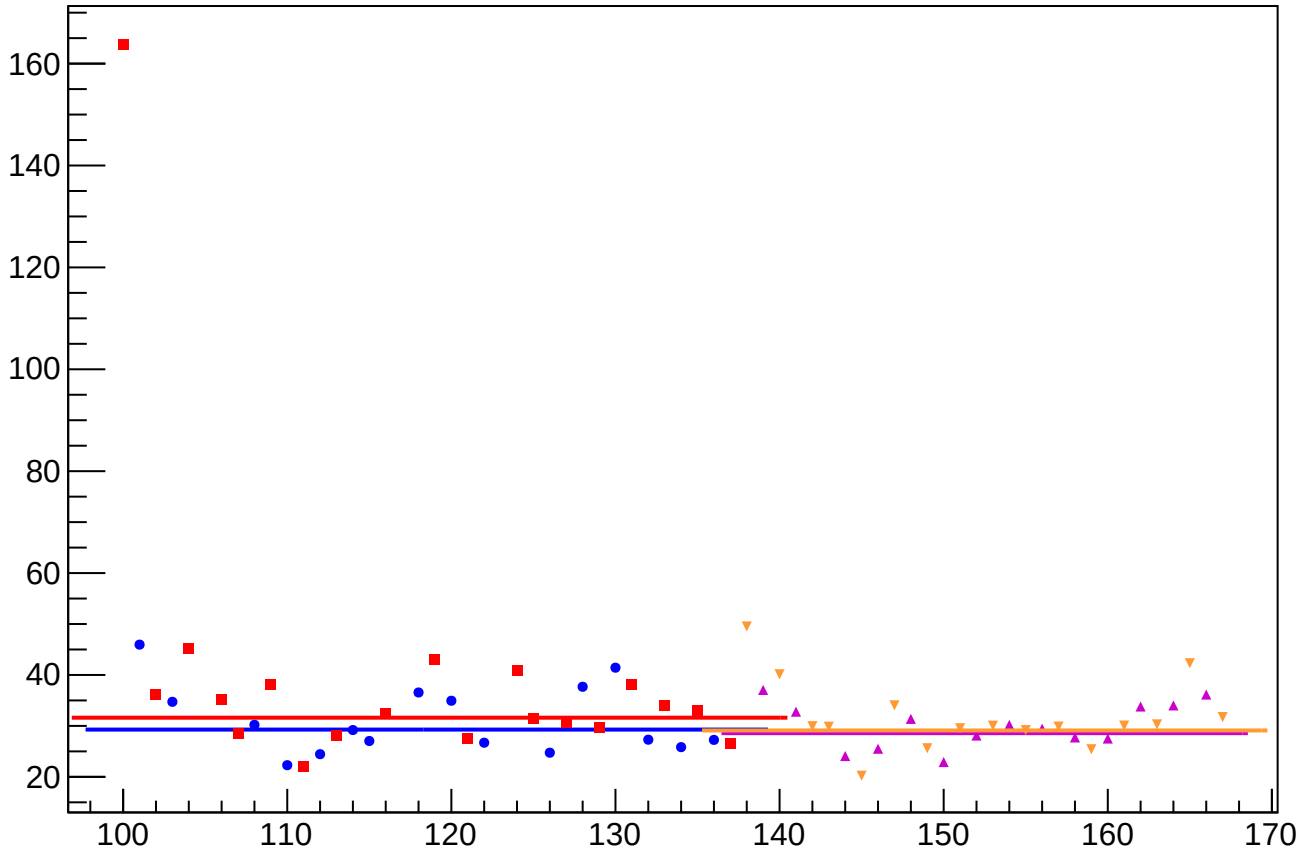
Left: 0.008+/-0.006 χ^2/NDF: 37.1/29

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/29

Out: 0.013+/-0.007 χ^2/NDF:39.3/34

All: -0.001+/-0.005 χ^2/NDF: 79.0/64



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.105+/-0.006 χ^2/NDF:907244.4/15

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.578+/-0.006 χ^2/NDF:434412.2/13

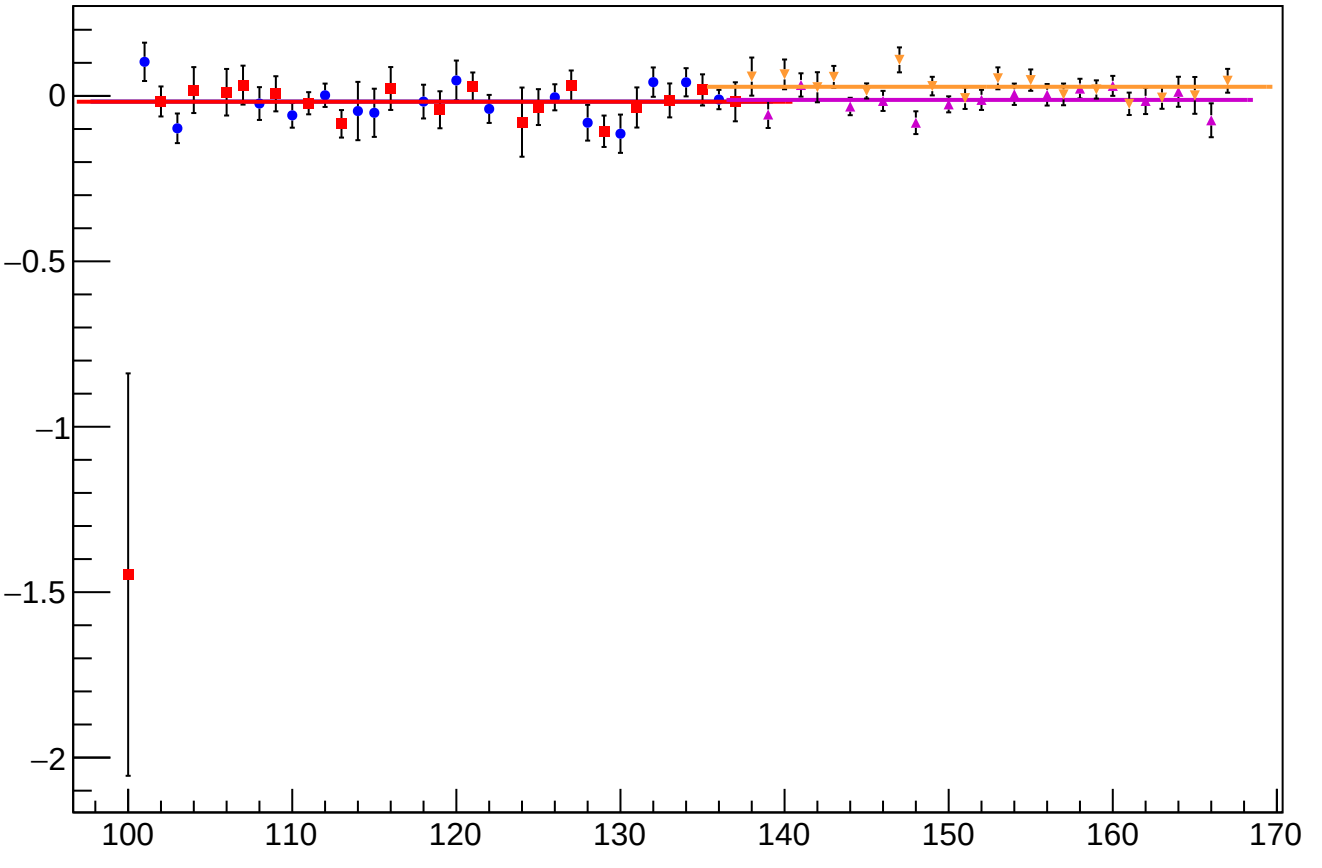
Left: 28.849+/-0.004 χ^2/NDF: 1345431.9/29

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.837+/-0.005 χ^2/NDF:999870.4/29

Out: 29.928+/-0.005 χ^2/NDF:1537183.5/34

All: 29.381+/-0.003 χ^2/NDF: 2561909.4/64



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.009 χ^2/NDF:13.2/13

Left: 0.008+/-0.006 χ^2/NDF: 37.1/29

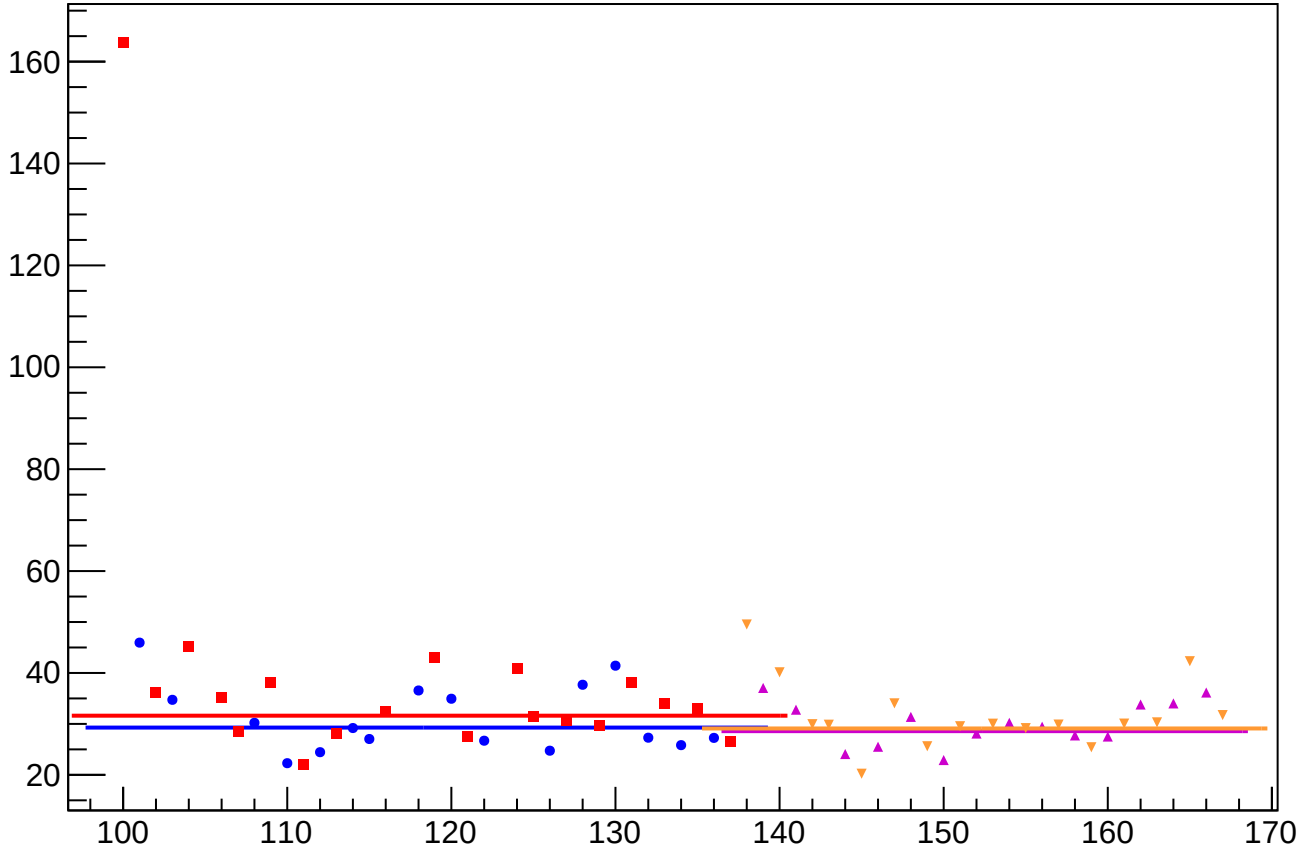
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/29

Out: 0.013+/-0.007 χ^2/NDF:39.3/34

All: -0.001+/-0.005 χ^2/NDF: 79.0/64

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.105+/-0.006 χ^2/NDF:907244.4/15

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.578+/-0.006 χ^2/NDF:434412.2/13

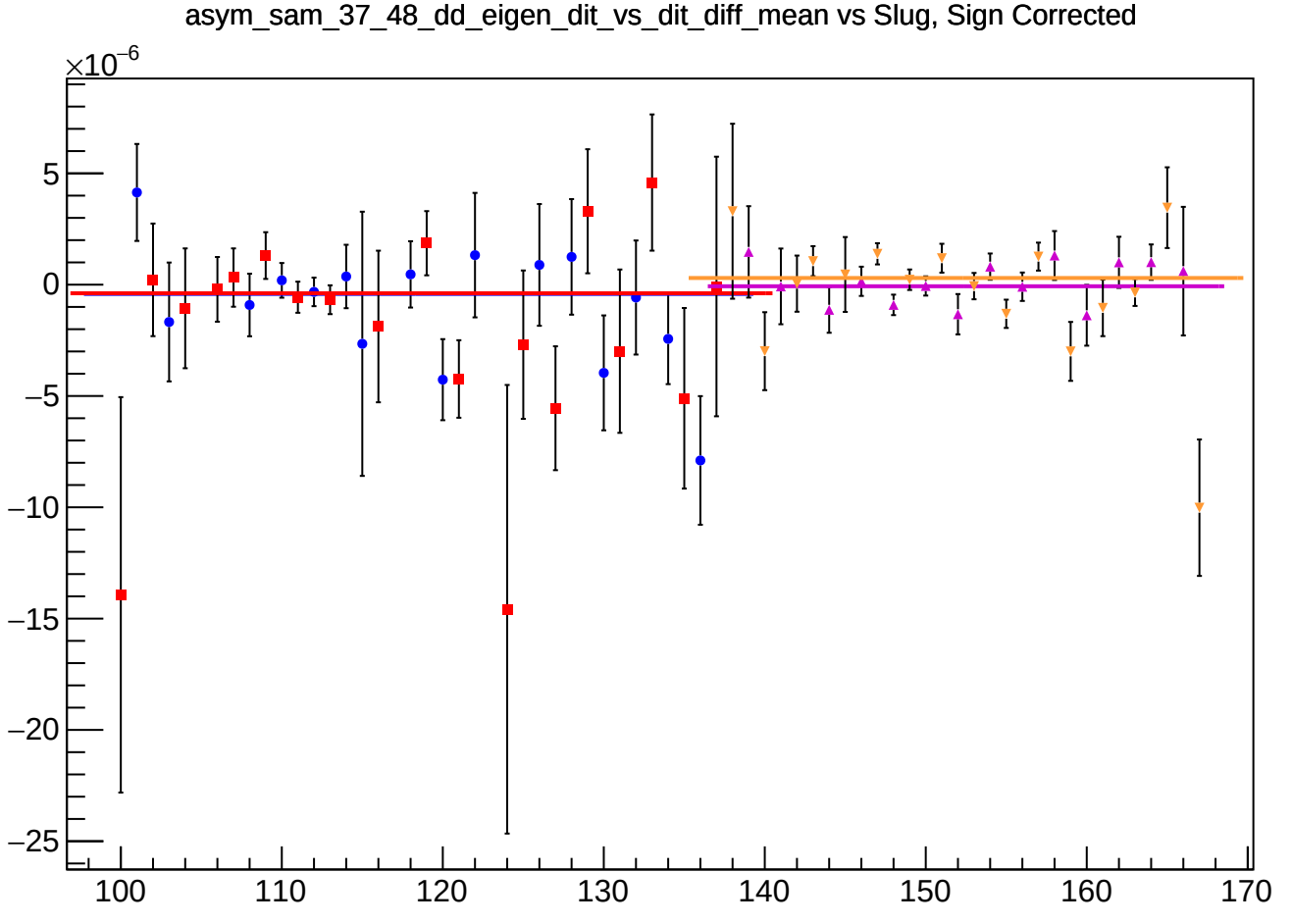
Left: 28.849+/-0.004 χ^2/NDF: 1345431.9/29

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.837+/-0.005 χ^2/NDF:999870.4/29

Out: 29.928+/-0.005 χ^2/NDF:1537183.5/34

All: 29.381+/-0.003 χ^2/NDF: 2561909.4/64



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/13

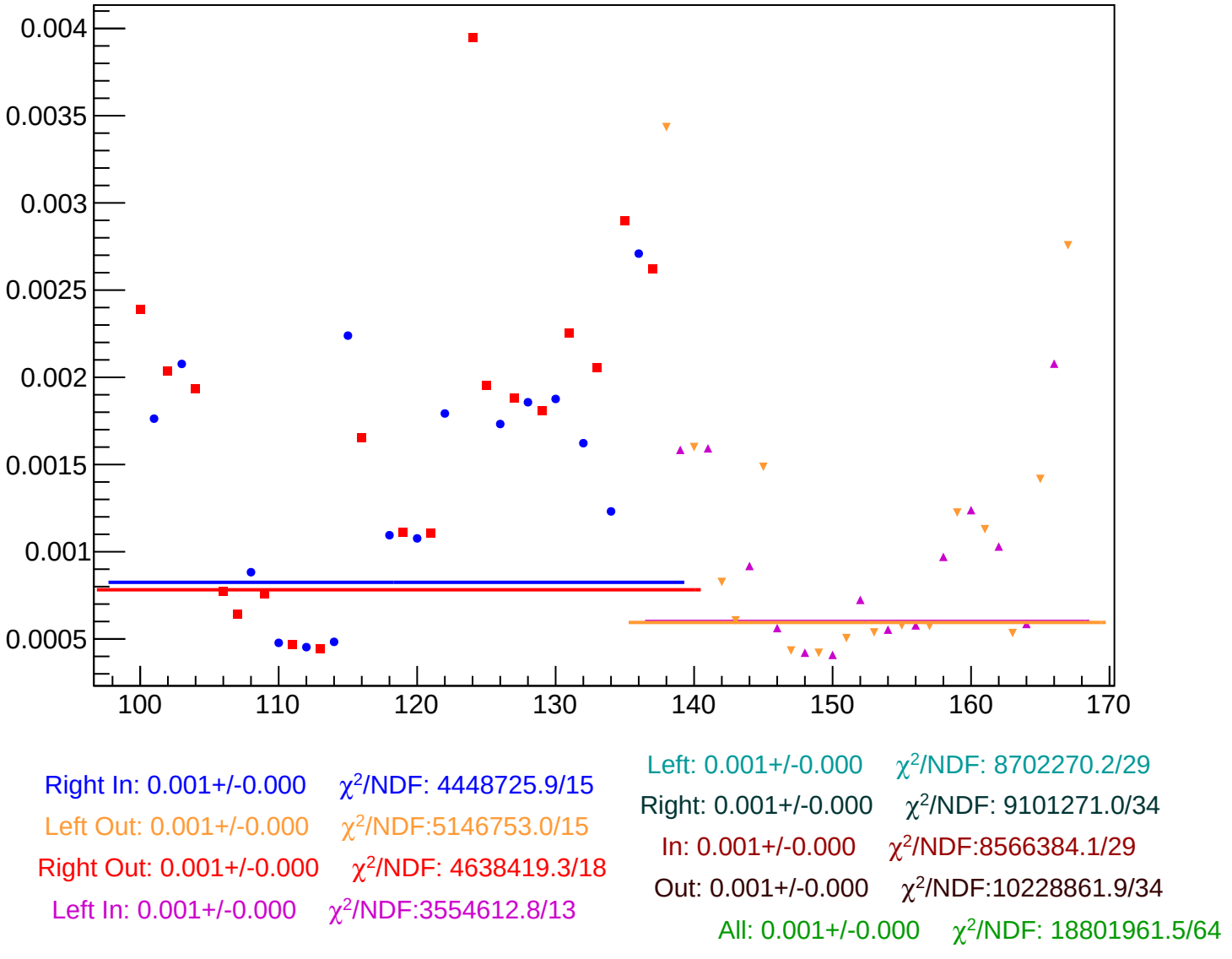
Left: 0.000+/-0.000 χ^2/NDF: 60.7/29

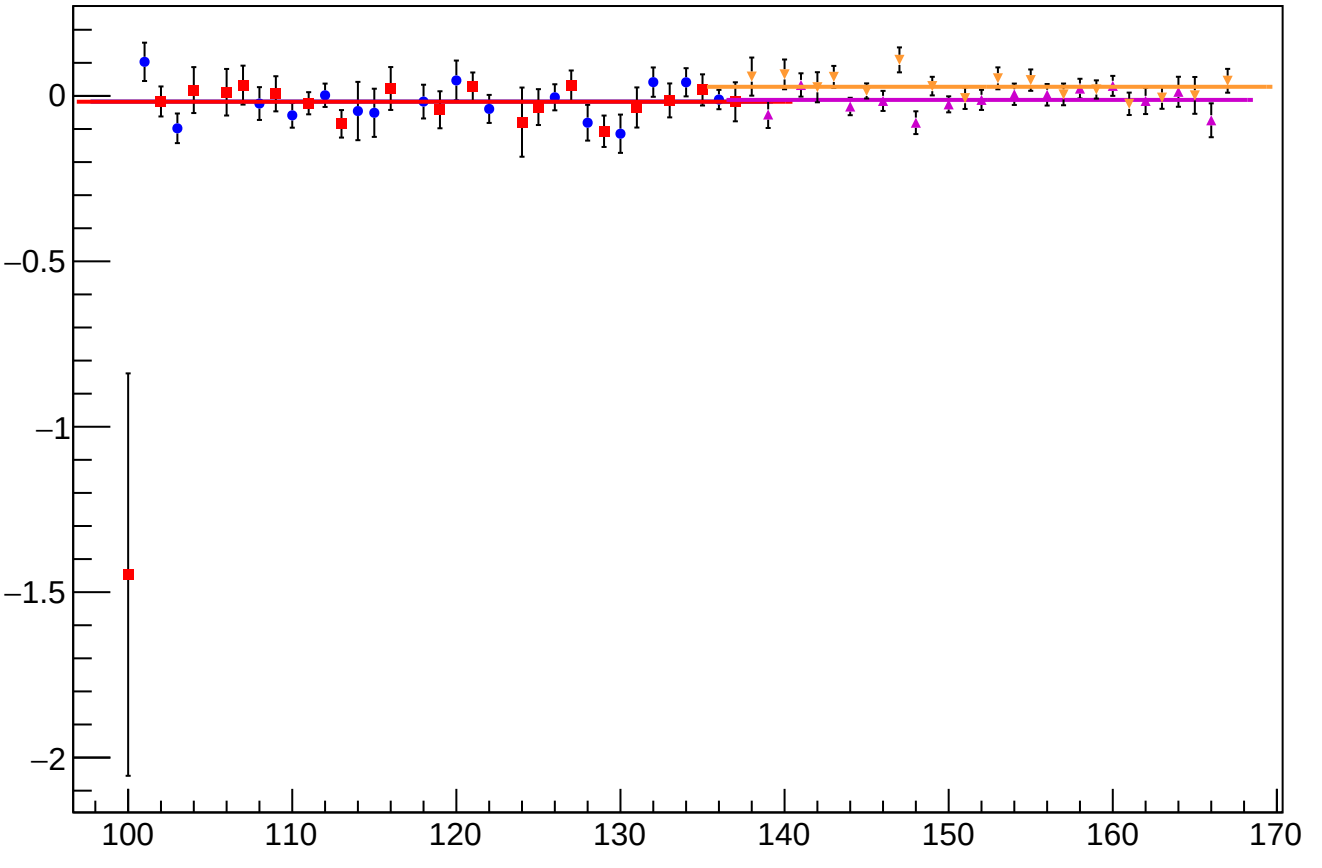
Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:36.4/29

Out: 0.000+/-0.000 χ^2/NDF:72.7/34

All: 0.000+/-0.000 χ^2/NDF: 110.5/64


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:5146753.0/15
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:3554612.8/13
Left: 0.001+/-0.000 χ²/NDF: 8702270.2/29
Right: 0.001+/-0.000 χ²/NDF: 9101271.0/34
In: 0.001+/-0.000 χ²/NDF:8566384.1/29
Out: 0.001+/-0.000 χ²/NDF:10228861.9/34
All: 0.001+/-0.000 χ²/NDF: 18801961.5/64



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.009 χ^2/NDF:13.2/13

Left: 0.008+/-0.006 χ^2/NDF: 37.1/29

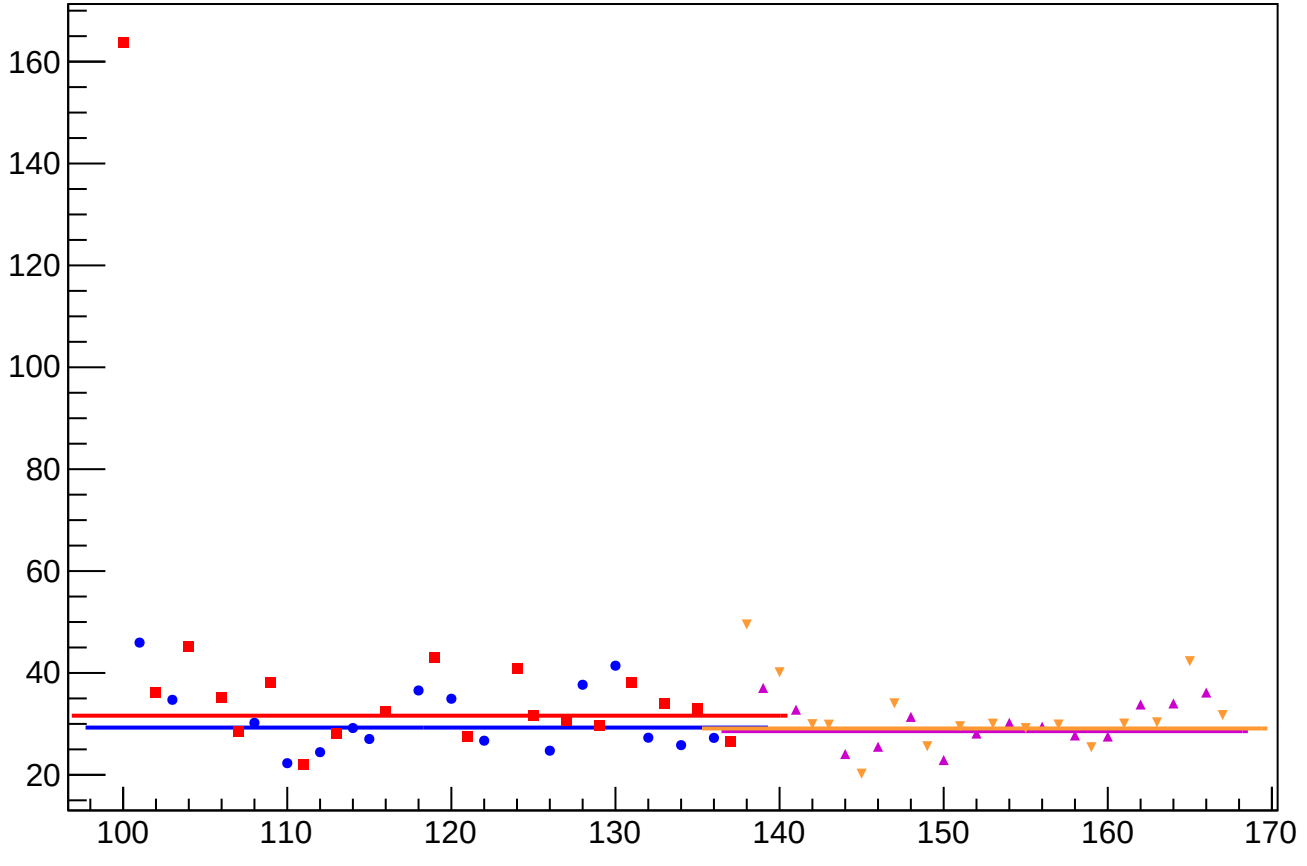
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/29

Out: 0.013+/-0.007 χ^2/NDF:39.3/34

All: -0.001+/-0.005 χ^2/NDF: 79.0/64

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.105+/-0.006 χ^2/NDF:907297.8/15

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.578+/-0.006 χ^2/NDF:434376.5/13

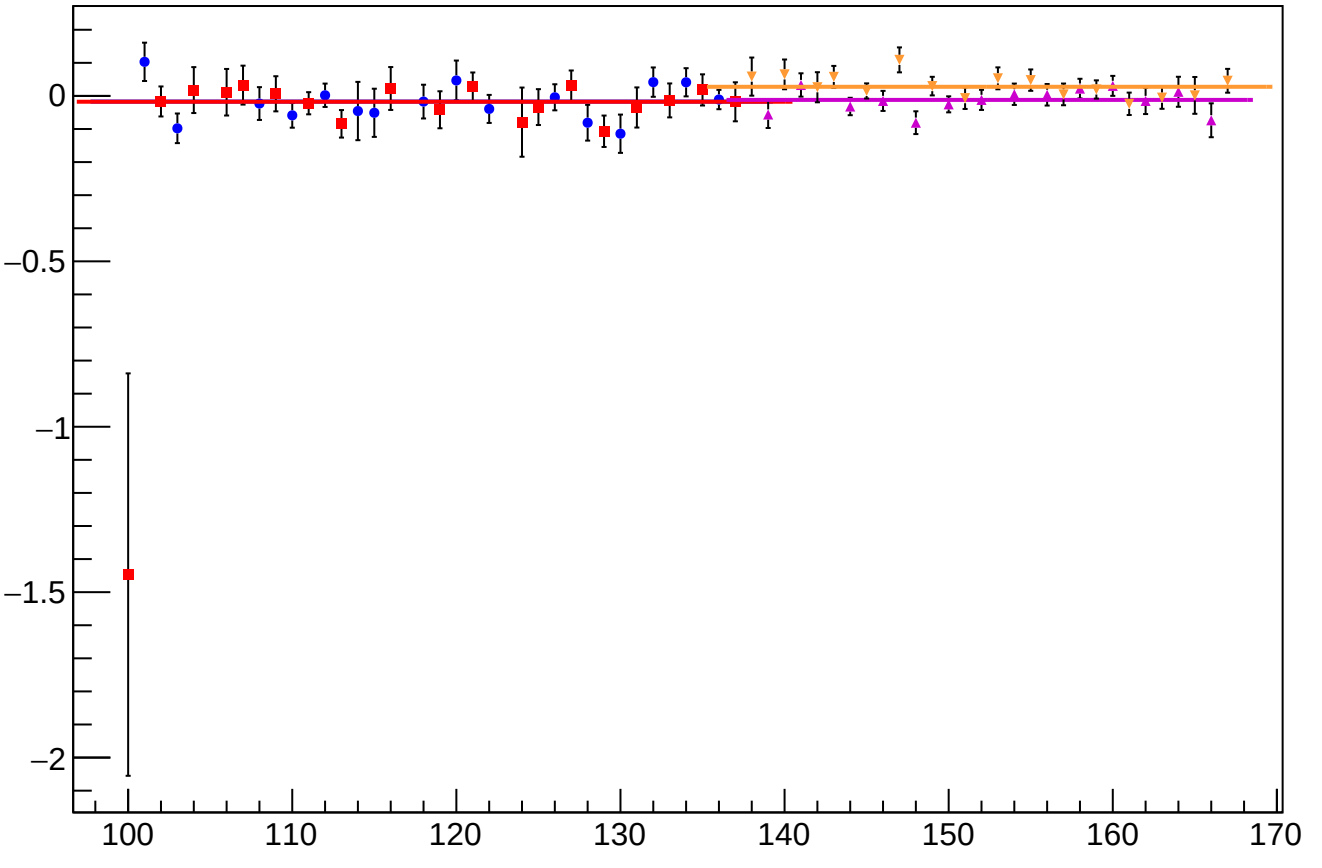
Left: 28.849+/-0.004 χ^2/NDF: 1345447.2/29

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.837+/-0.005 χ^2/NDF:999836.0/29

Out: 29.928+/-0.005 χ^2/NDF:1537254.1/34

All: 29.381+/-0.003 χ^2/NDF: 2561941.4/64



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.009 χ^2/NDF:13.2/13

Left: 0.008+/-0.006 χ^2/NDF: 37.1/29

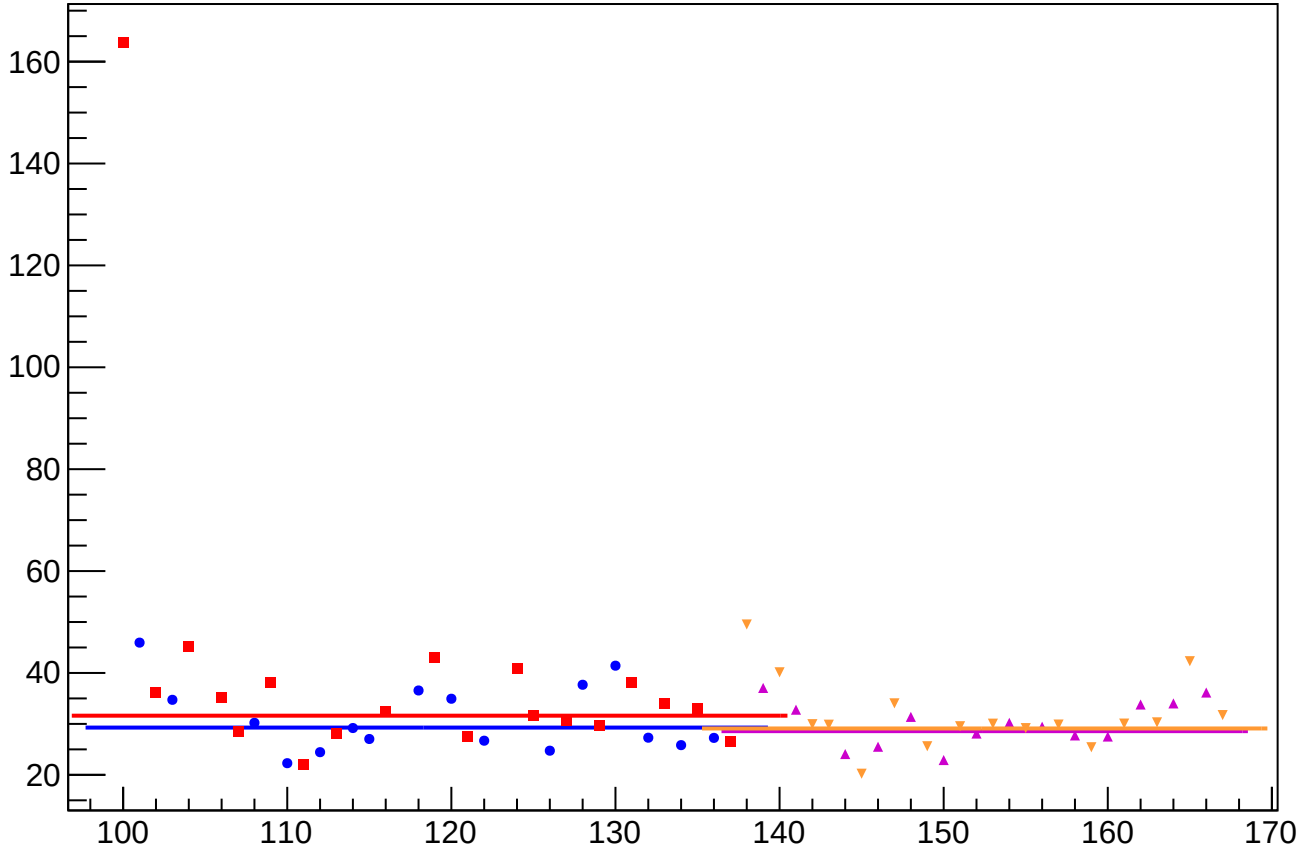
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/29

Out: 0.013+/-0.007 χ^2/NDF:39.3/34

All: -0.001+/-0.005 χ^2/NDF: 79.0/64

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.105+/-0.006 χ^2/NDF:907297.8/15

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.578+/-0.006 χ^2/NDF:434376.5/13

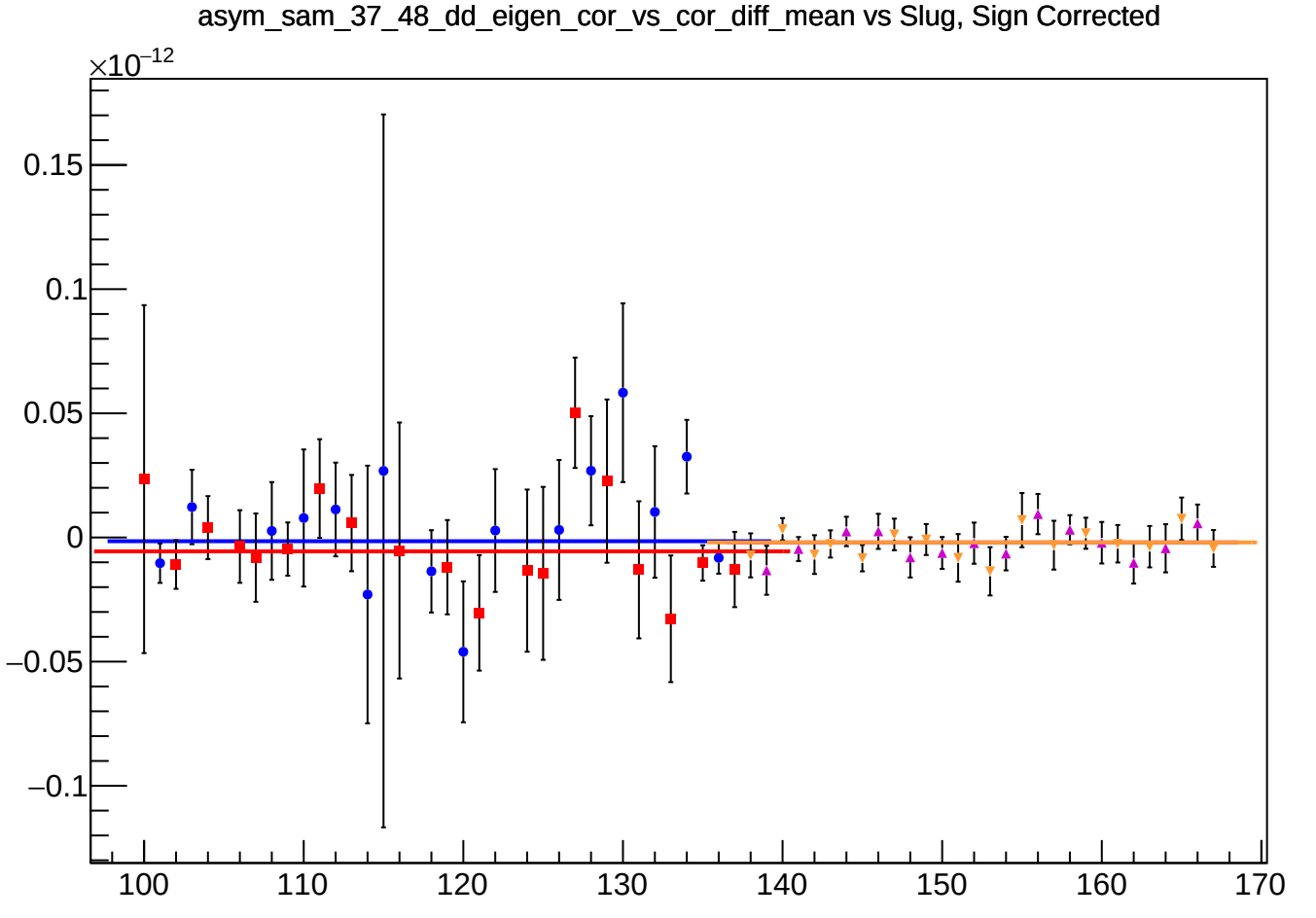
Left: 28.849+/-0.004 χ^2/NDF: 1345447.2/29

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

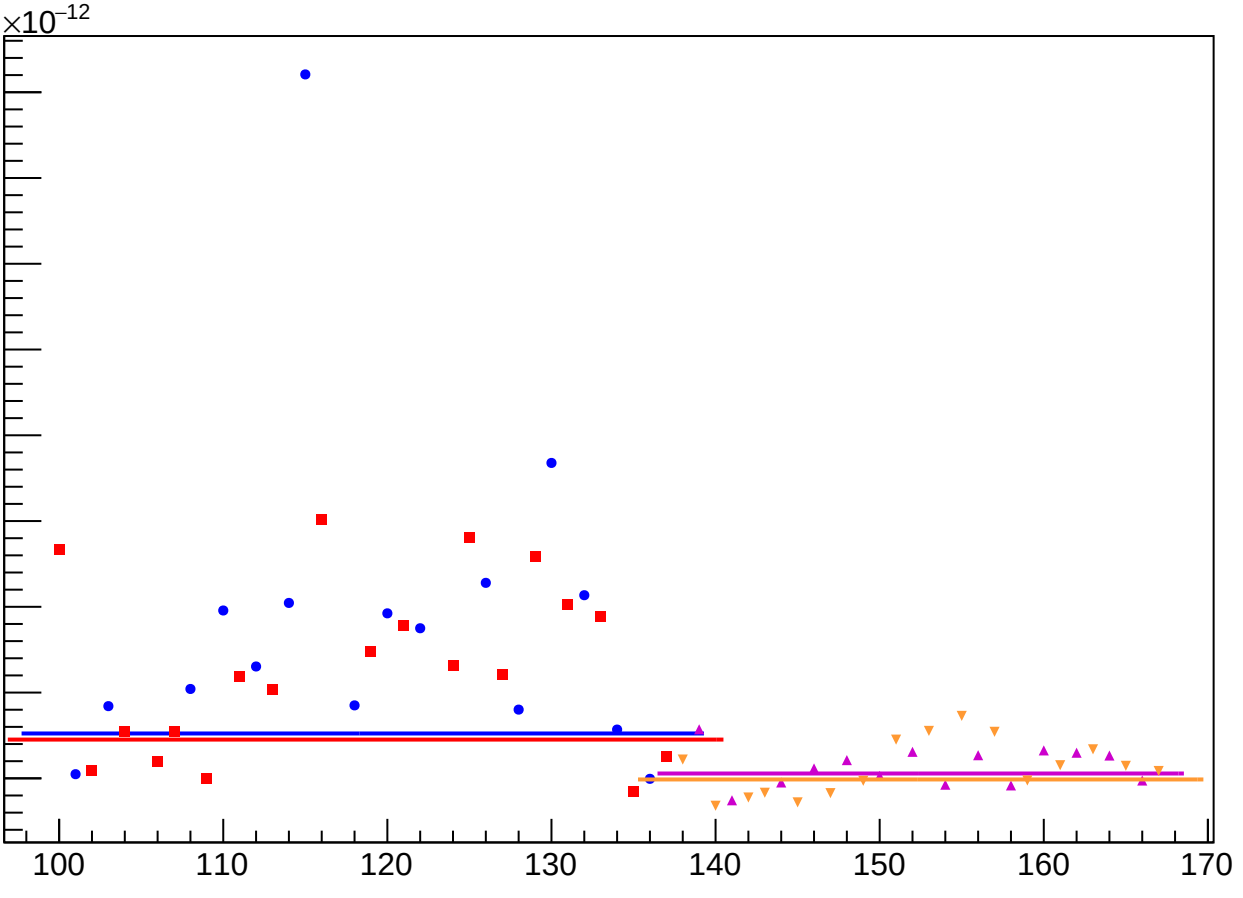
In: 28.837+/-0.005 χ^2/NDF:999836.0/29

Out: 29.928+/-0.005 χ^2/NDF:1537254.1/34

All: 29.381+/-0.003 χ^2/NDF: 2561941.4/64


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:8.1/15
Right Out: -0.000+/-0.000 χ²/NDF: 13.3/18
Left In: -0.000+/-0.000 χ²/NDF:8.8/13
Left: -0.000+/-0.000 χ²/NDF: 16.9/29
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:25.7/29
Out: -0.000+/-0.000 χ²/NDF:22.3/34
All: -0.000+/-0.000 χ²/NDF: 48.1/64

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1316925.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:634276.8/13

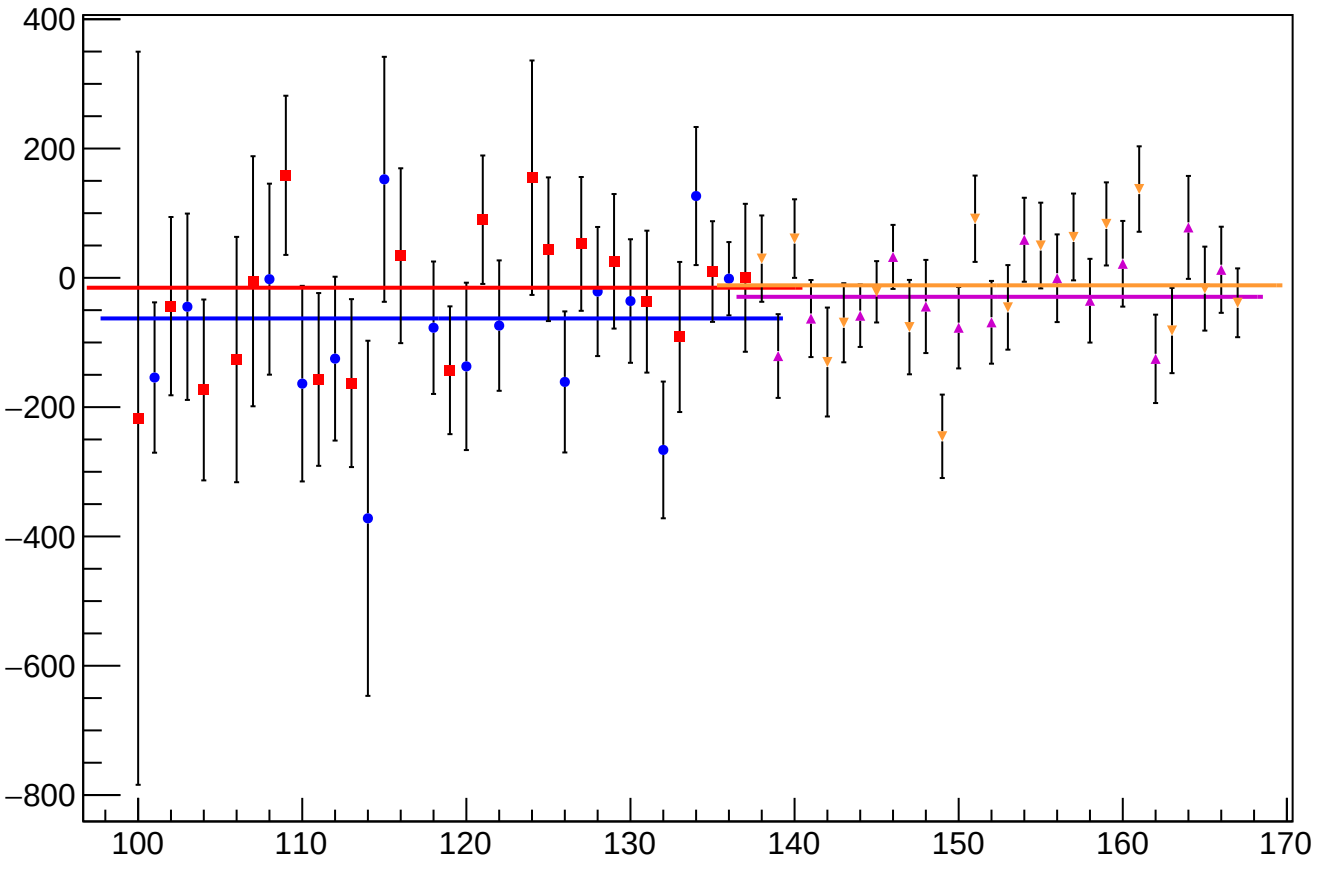
Left: 0.000+/-0.000 χ^2/NDF: 1987557.0/29

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3253896.8/29

Out: 0.000+/-0.000 χ^2/NDF:3975358.8/34

All: 0.000+/-0.000 χ^2/NDF: 7281429.9/64



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -11.590+/-15.862 χ^2/NDF:32.0/15

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -29.356+/-16.755 χ^2/NDF:12.0/13

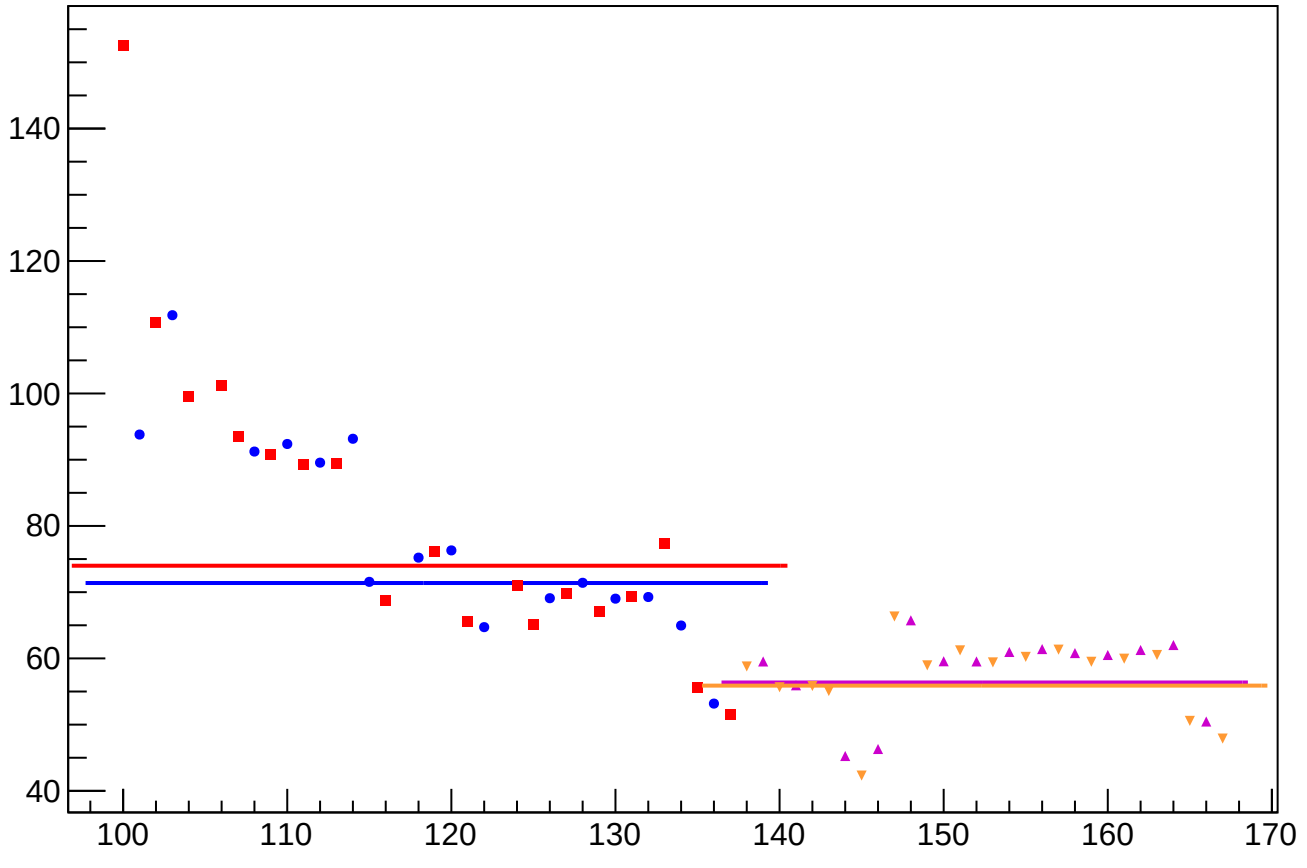
Left: -19.987+/-11.519 χ^2/NDF: 44.7/29

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -38.548+/-14.267 χ^2/NDF:26.6/29

Out: -12.500+/-13.773 χ^2/NDF:43.5/34

All: -25.065+/-9.909 χ^2/NDF: 71.9/64



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 55.891+/-0.011 χ^2/NDF:335804.6/15

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 56.364+/-0.012 χ^2/NDF:311091.2/13

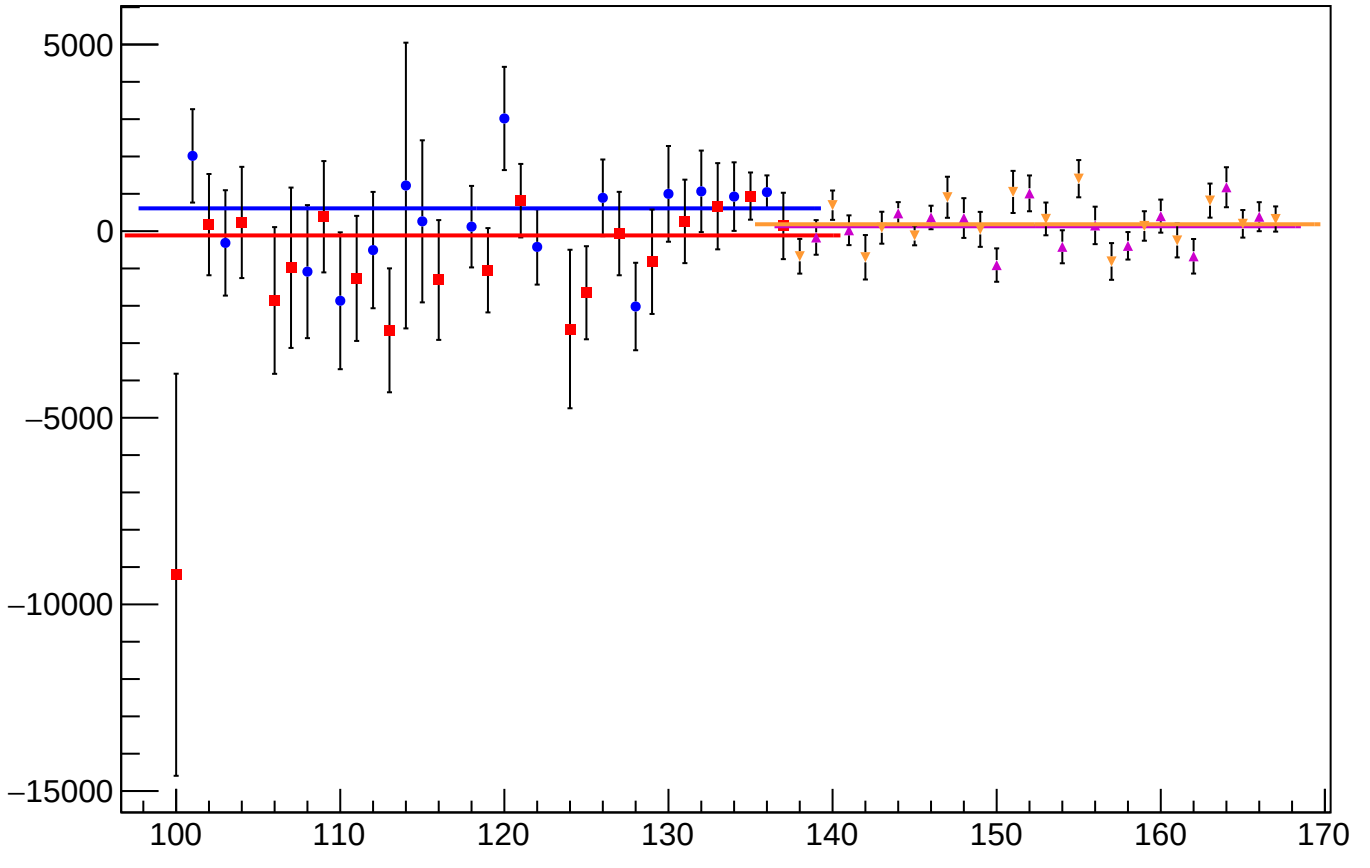
Left: 56.114+/-0.008 χ^2/NDF: 647735.6/29

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.492+/-0.010 χ^2/NDF:1343779.1/29

Out: 60.344+/-0.010 χ^2/NDF:1615084.0/34

All: 60.415+/-0.007 χ^2/NDF: 2958974.6/64



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 184.324+/-105.265 χ^2/NDF:26.0/15

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 130.690+/-110.892 χ^2/NDF:22.5/13

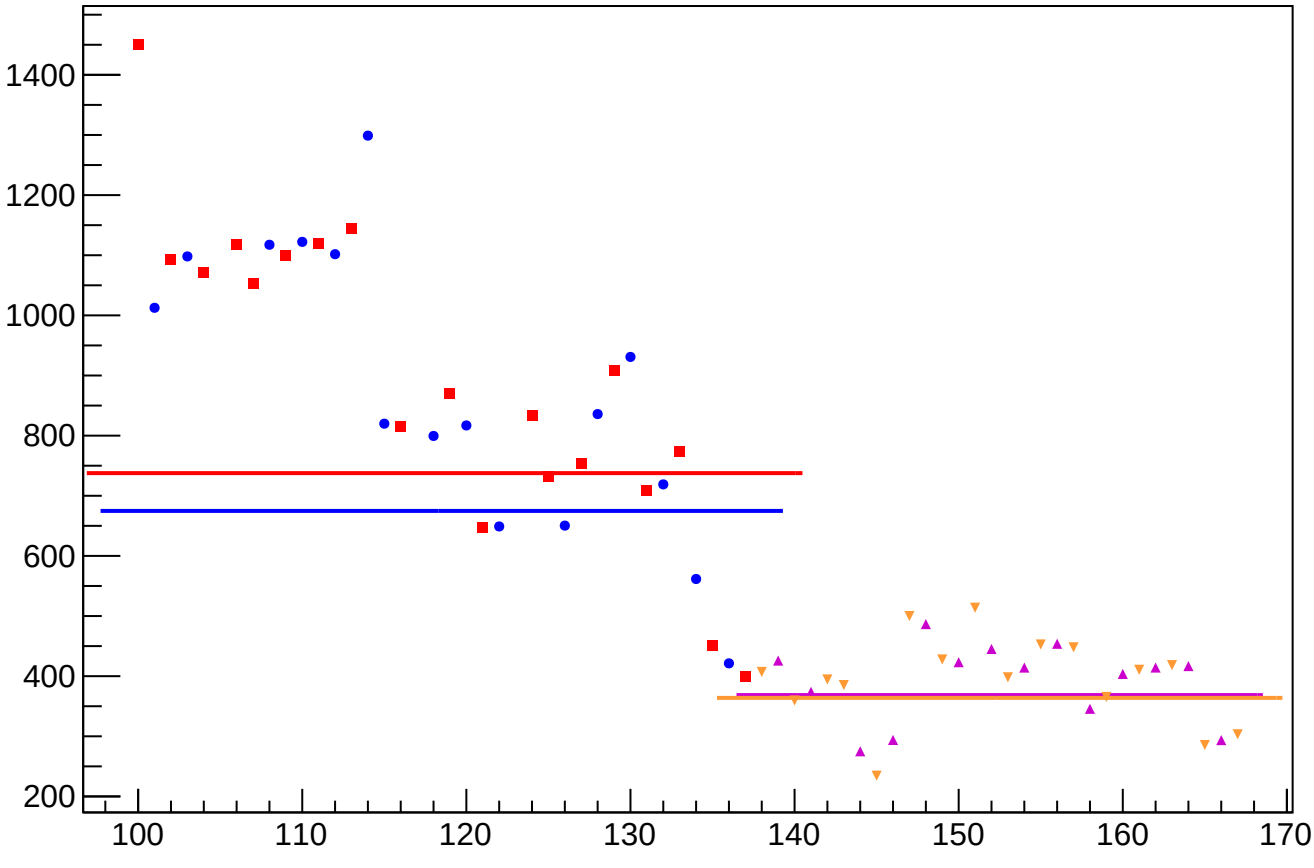
Left: 158.903+/-76.345 χ^2/NDF: 48.7/29

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 201.377+/-102.399 χ^2/NDF:41.0/29

Out: 148.284+/-98.716 χ^2/NDF:42.6/34

All: 173.858+/-71.069 χ^2/NDF: 83.7/64



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 363.893+/-0.074 χ^2/NDF:1148208.1/15

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 368.541+/-0.078 χ^2/NDF:726700.6/13

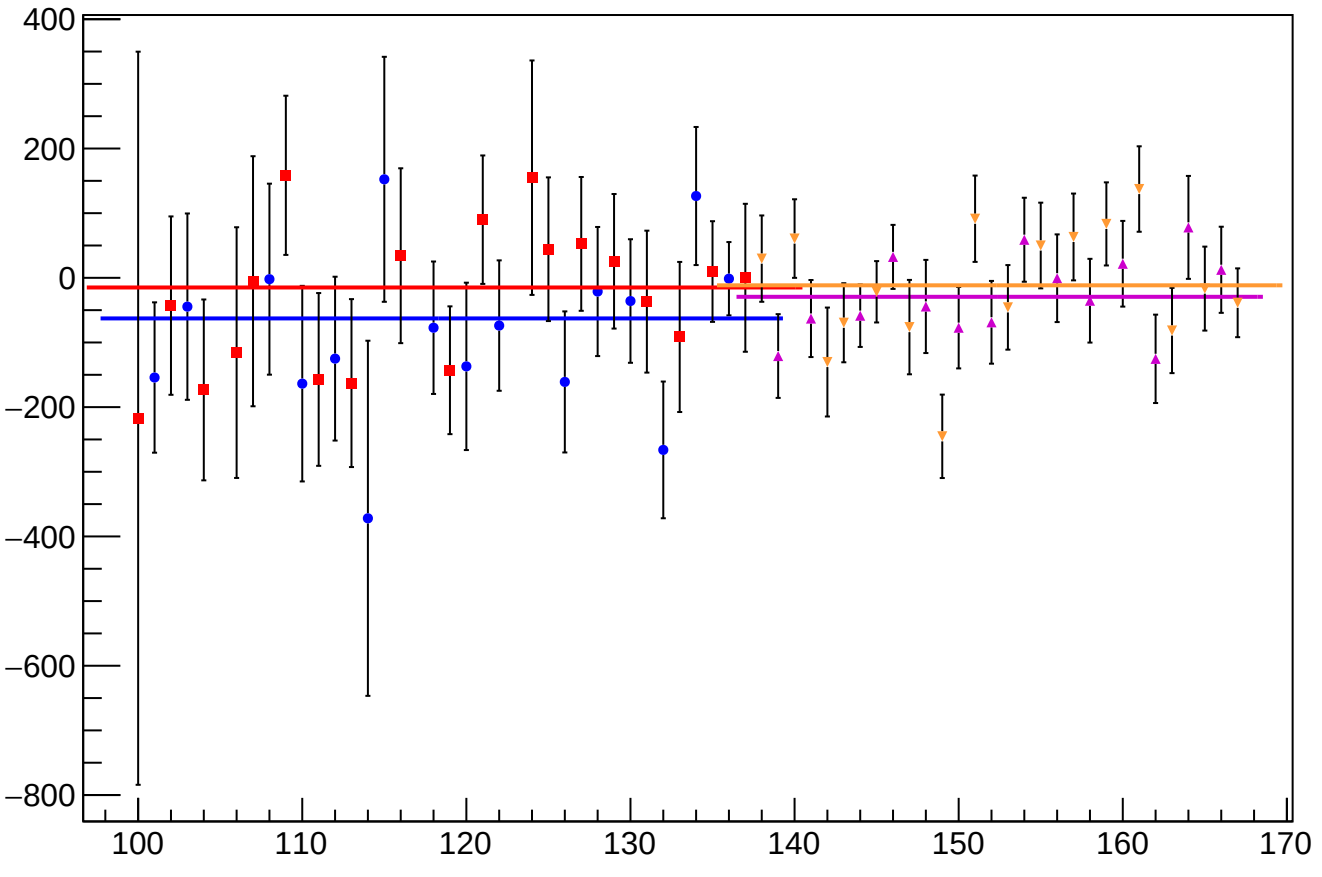
Left: 366.096+/-0.054 χ^2/NDF: 1876757.4/29

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 413.659+/-0.072 χ^2/NDF:4591841.2/29

Out: 408.954+/-0.070 χ^2/NDF:5705029.5/34

All: 411.221+/-0.050 χ^2/NDF: 10299059.2/64



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -11.590+/-15.862 χ^2/NDF:32.0/15

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -29.358+/-16.755 χ^2/NDF:12.0/13

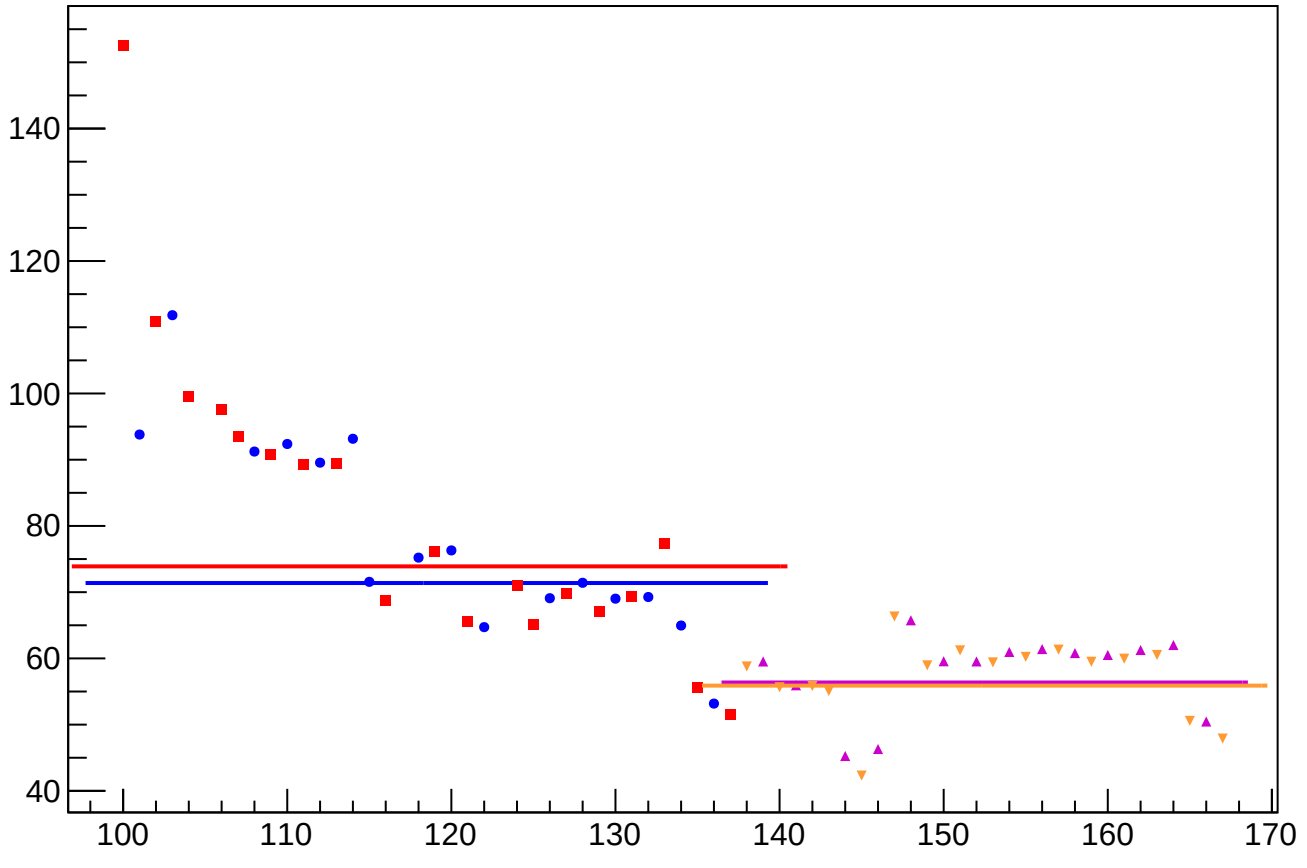
Left: -19.988+/-11.519 χ^2/NDF: 44.7/29

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -38.547+/-14.267 χ^2/NDF:26.6/29

Out: -12.412+/-13.775 χ^2/NDF:43.4/34

All: -25.021+/-9.910 χ^2/NDF: 71.8/64



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.891+/-0.011 χ^2/NDF:335804.6/15

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.364+/-0.012 χ^2/NDF:311091.2/13

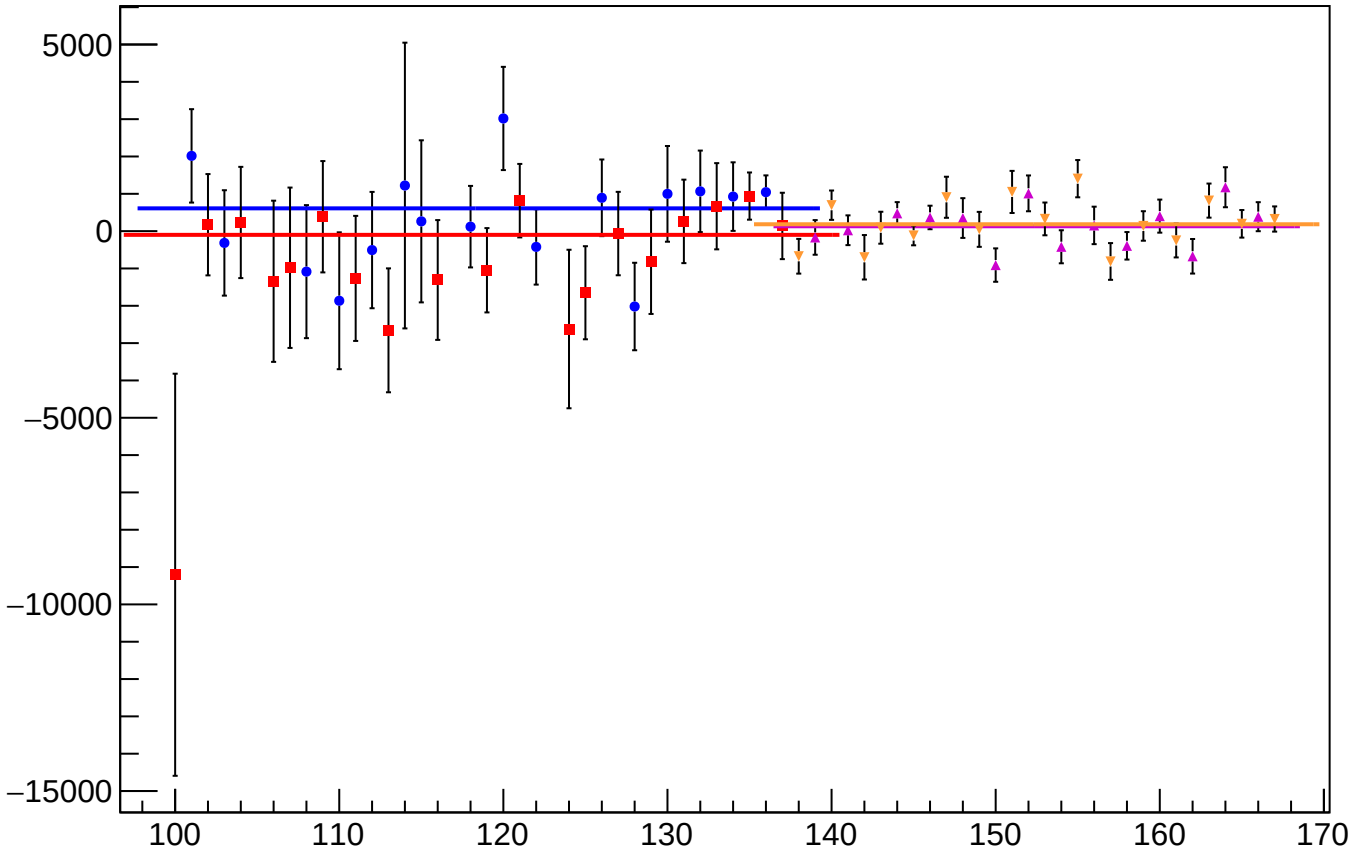
Left: 56.114+/-0.008 χ^2/NDF: 647735.6/29

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.492+/-0.010 χ^2/NDF:1343781.8/29

Out: 60.316+/-0.010 χ^2/NDF:1596154.7/34

All: 60.401+/-0.007 χ^2/NDF: 2940093.5/64



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 184.323+/-105.265 χ^2/NDF:26.0/15

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 130.686+/-110.892 χ^2/NDF:22.5/13

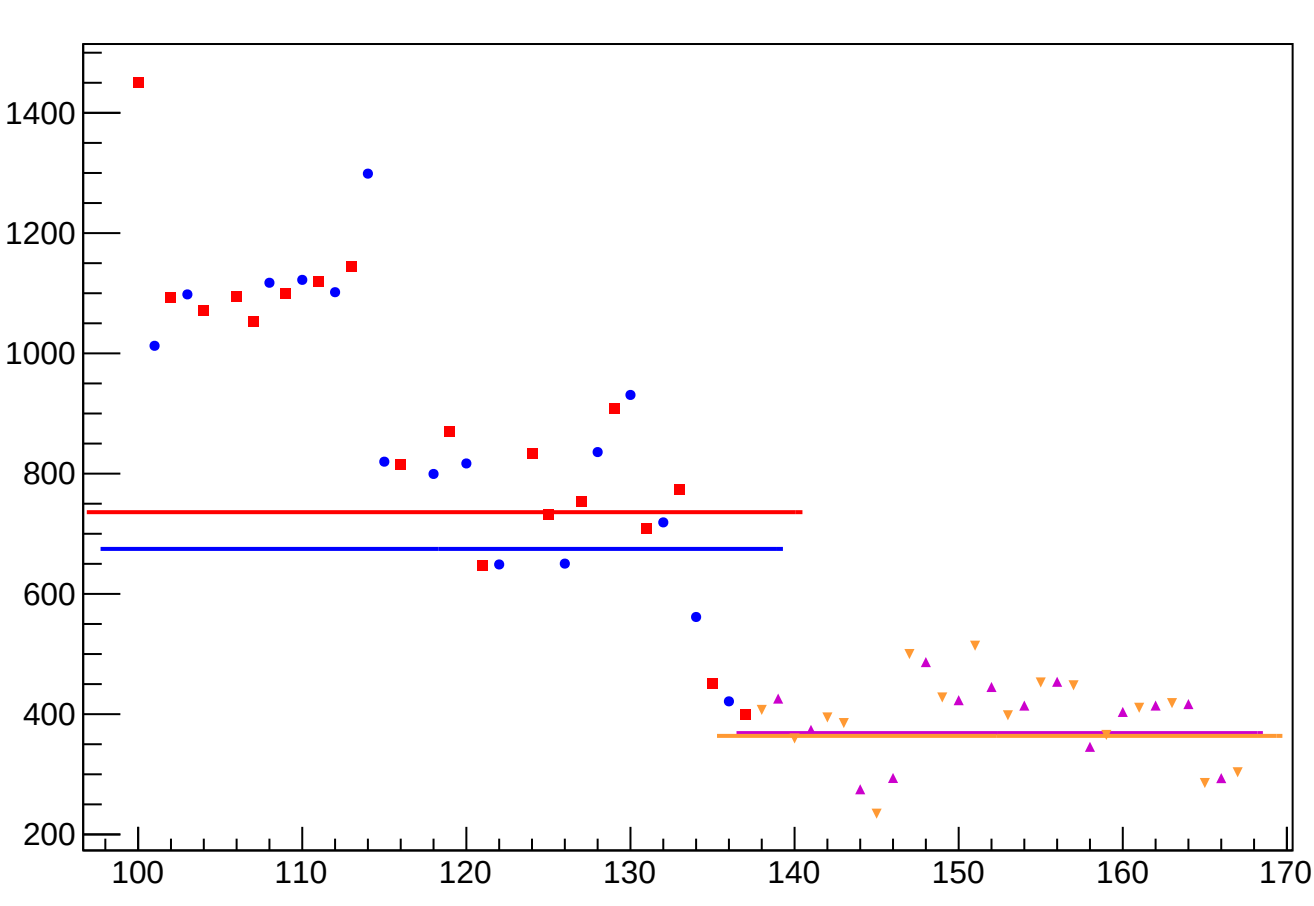
Left: 158.900+/-76.345 χ^2/NDF: 48.7/29

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 201.372+/-102.400 χ^2/NDF:41.0/29

Out: 150.210+/-98.738 χ^2/NDF:42.0/34

All: 174.860+/-71.077 χ^2/NDF: 83.1/64



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 363.893+/-0.074 χ^2/NDF:1148213.1/15

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 368.541+/-0.078 χ^2/NDF:726704.2/13

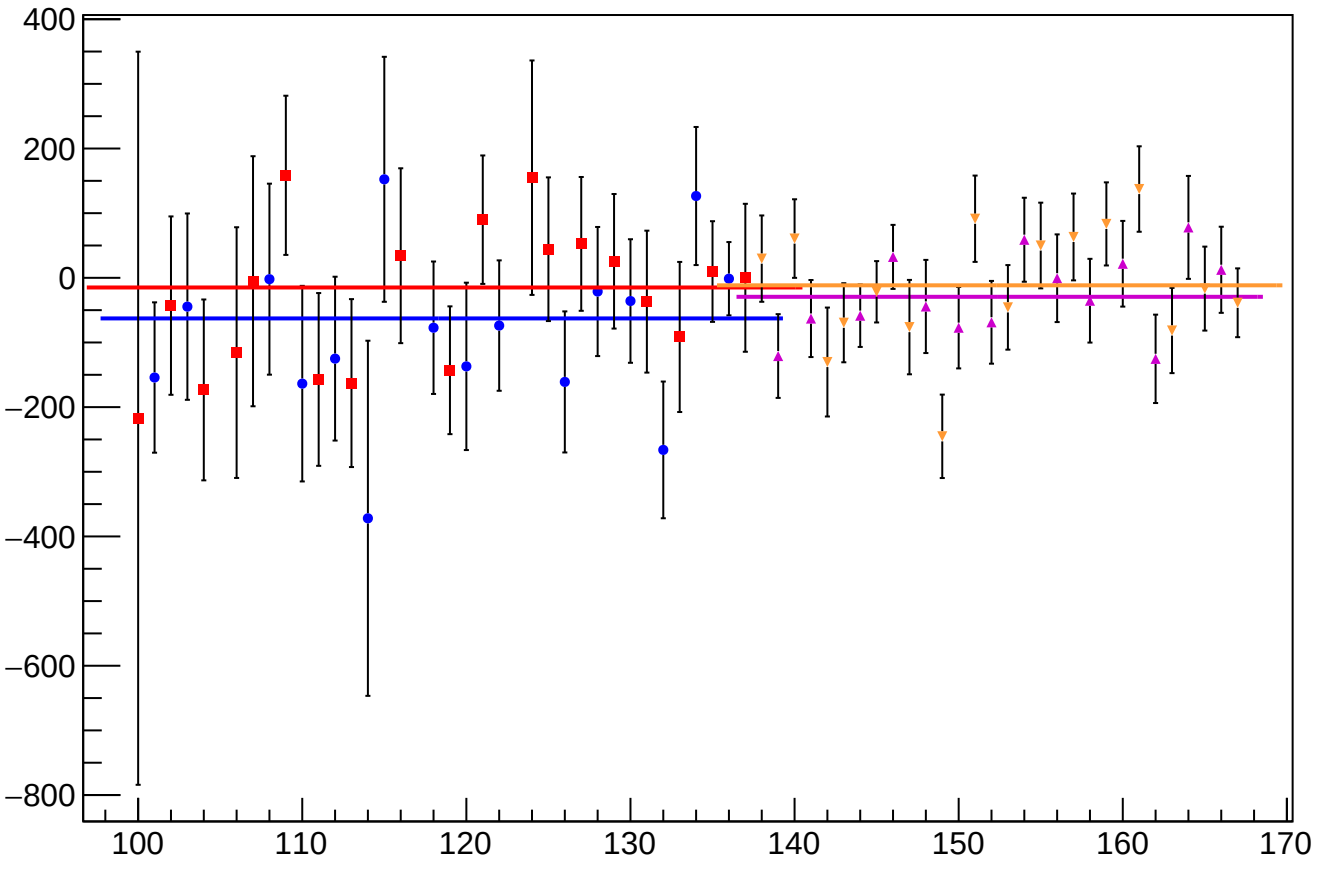
Left: 366.096+/-0.054 χ^2/NDF: 1876766.2/29

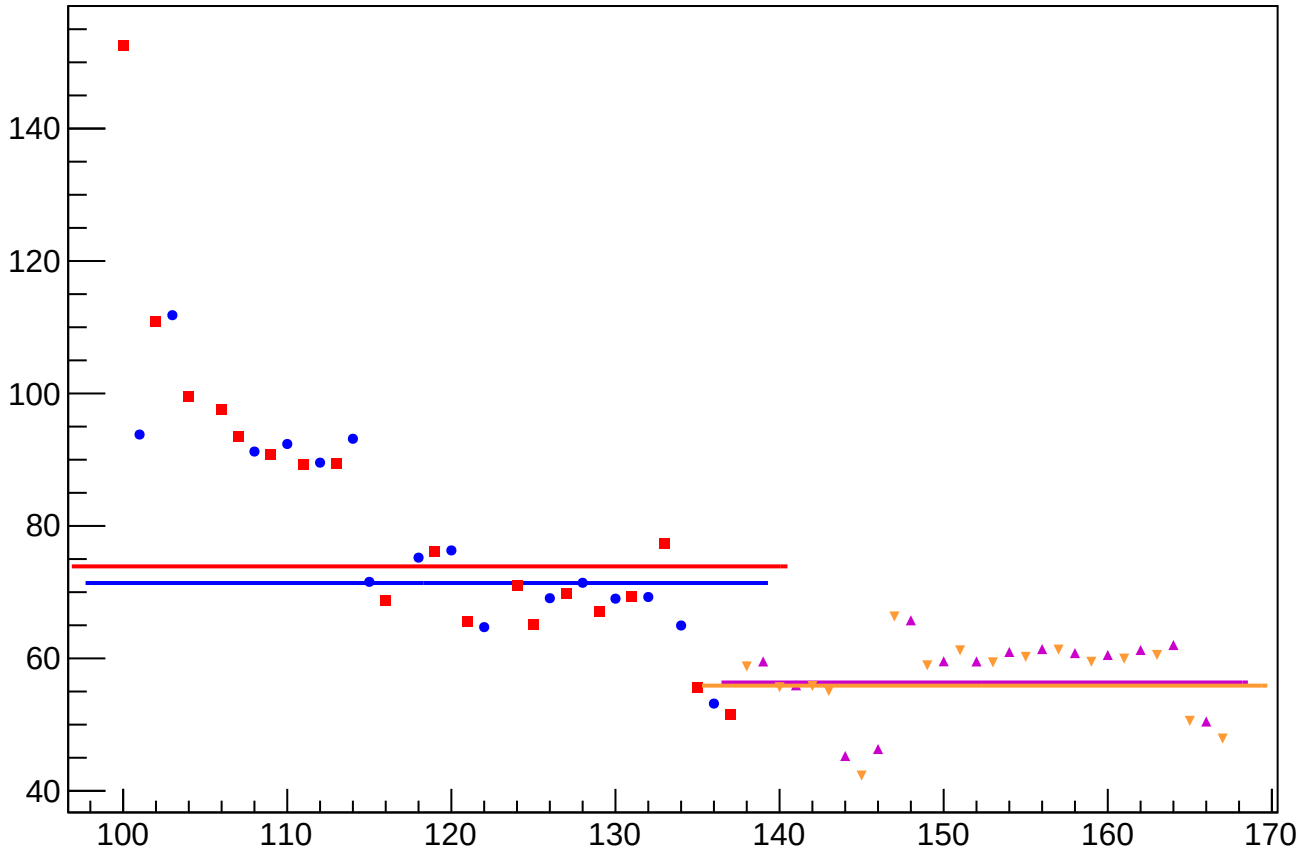
Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 413.659+/-0.072 χ^2/NDF:4591867.6/29

Out: 408.599+/-0.070 χ^2/NDF:5647136.9/34

All: 411.037+/-0.050 χ^2/NDF: 10241535.6/64


eigen_cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -62.789+/-27.213 χ²/NDF: 13.5/15
Left Out: -11.590+/-15.862 χ²/NDF:32.0/15
Right Out: -14.932+/-27.783 χ²/NDF: 11.4/18
Left In: -29.358+/-16.755 χ²/NDF:12.0/13
Left: -19.988+/-11.519 χ²/NDF: 44.7/29
Right: -39.357+/-19.441 χ²/NDF: 26.4/34
In: -38.547+/-14.267 χ²/NDF:26.6/29
Out: -12.412+/-13.775 χ²/NDF:43.4/34
All: -25.021+/-9.910 χ²/NDF: 71.8/64



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.891+/-0.011 χ^2/NDF:335804.6/15

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.364+/-0.012 χ^2/NDF:311091.2/13

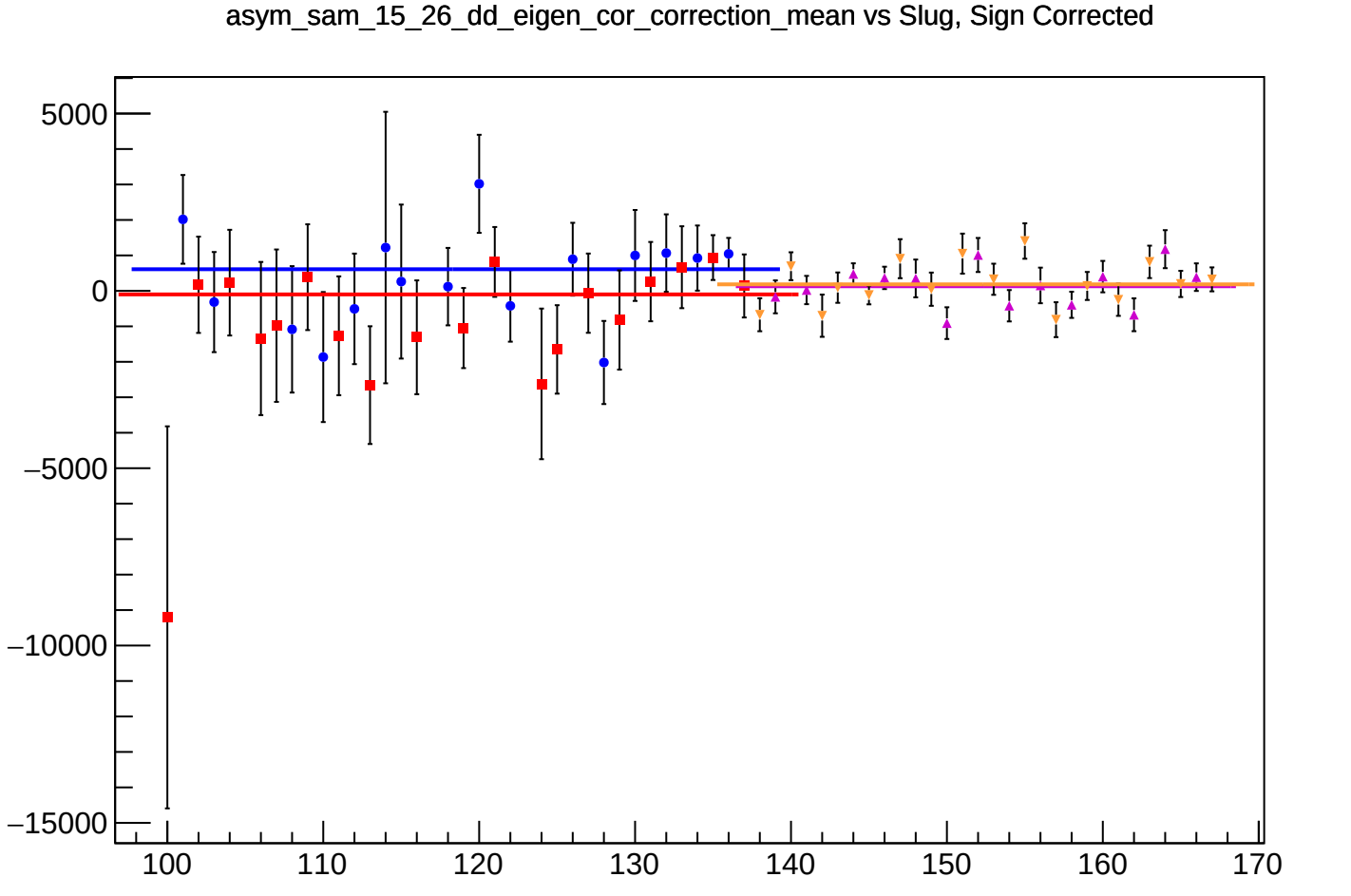
Left: 56.114+/-0.008 χ^2/NDF: 647735.6/29

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.492+/-0.010 χ^2/NDF:1343781.8/29

Out: 60.316+/-0.010 χ^2/NDF:1596154.7/34

All: 60.401+/-0.007 χ^2/NDF: 2940093.5/64



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 184.323+/-105.265 χ^2/NDF:26.0/15

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 130.686+/-110.892 χ^2/NDF:22.5/13

Left: 158.900+/-76.345 χ^2/NDF: 48.7/29

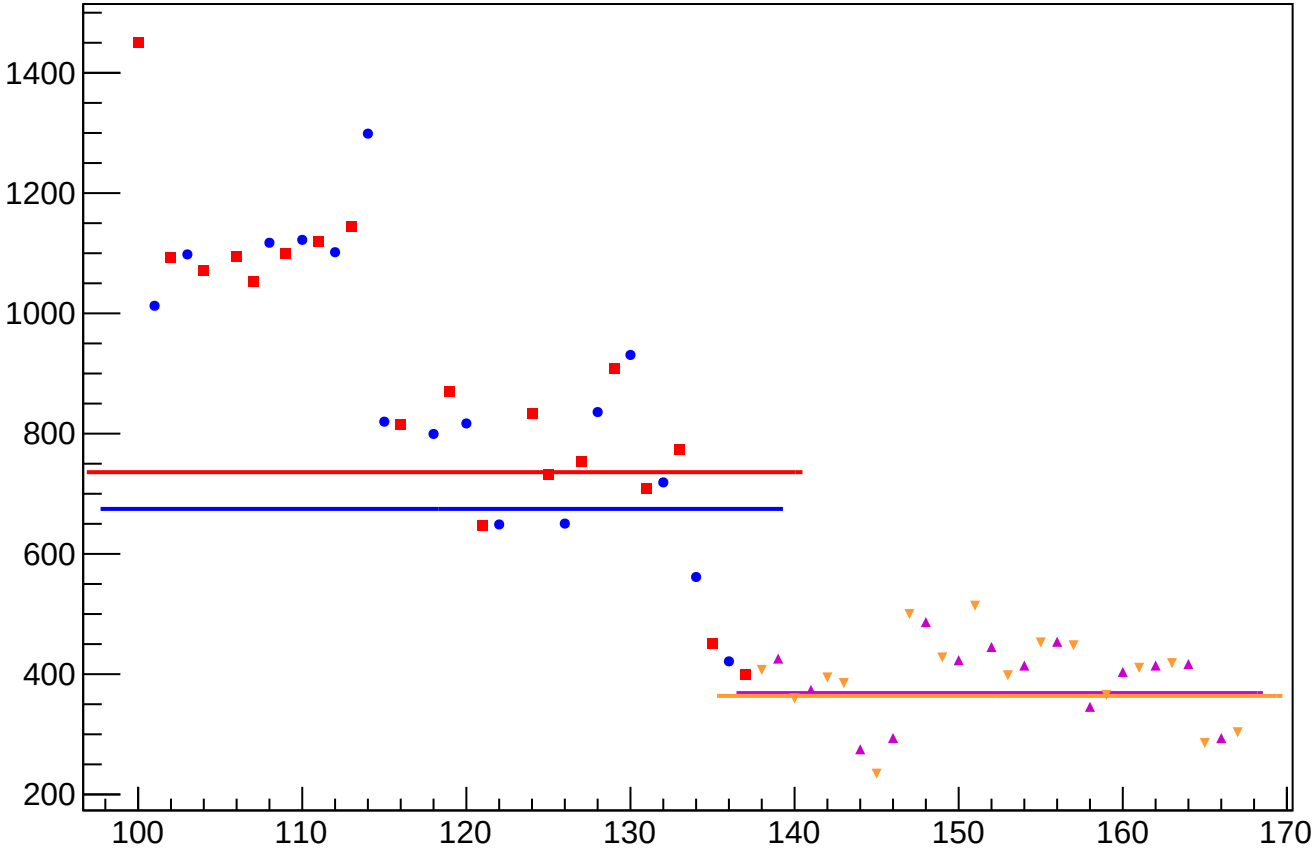
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 201.372+/-102.400 χ^2/NDF:41.0/29

Out: 150.210+/-98.738 χ^2/NDF:42.0/34

All: 174.860+/-71.077 χ^2/NDF: 83.1/64

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 363.893+/-0.074 χ^2/NDF:1148213.1/15

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 368.541+/-0.078 χ^2/NDF:726704.2/13

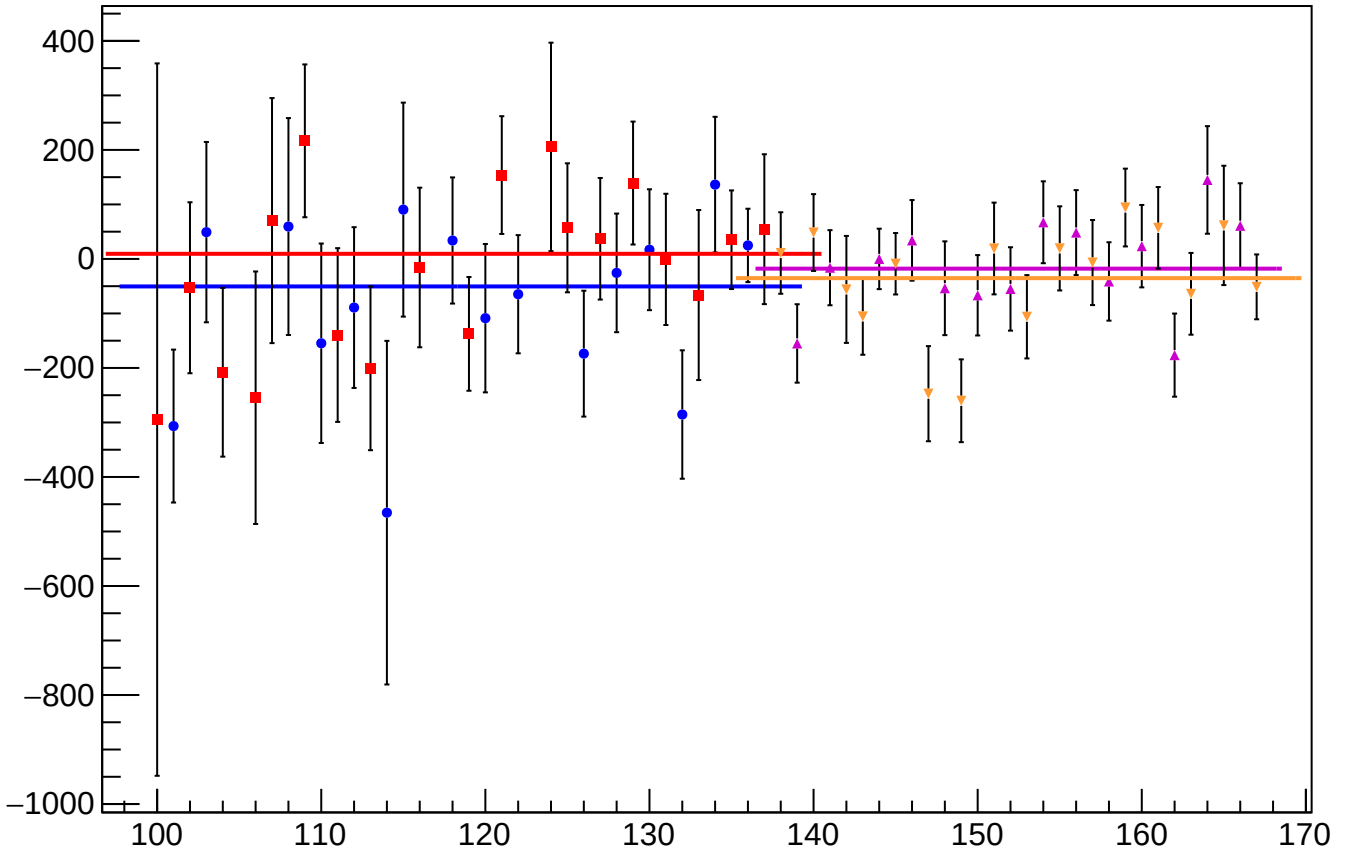
Left: 366.096+/-0.054 χ^2/NDF: 1876766.2/29

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 413.659+/-0.072 χ^2/NDF:4591867.6/29

Out: 408.599+/-0.070 χ^2/NDF:5647136.9/34

All: 411.037+/-0.050 χ^2/NDF: 10241535.6/64



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -35.247+/-18.668 χ^2/NDF:25.5/15

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -17.840+/-19.797 χ^2/NDF:15.6/13

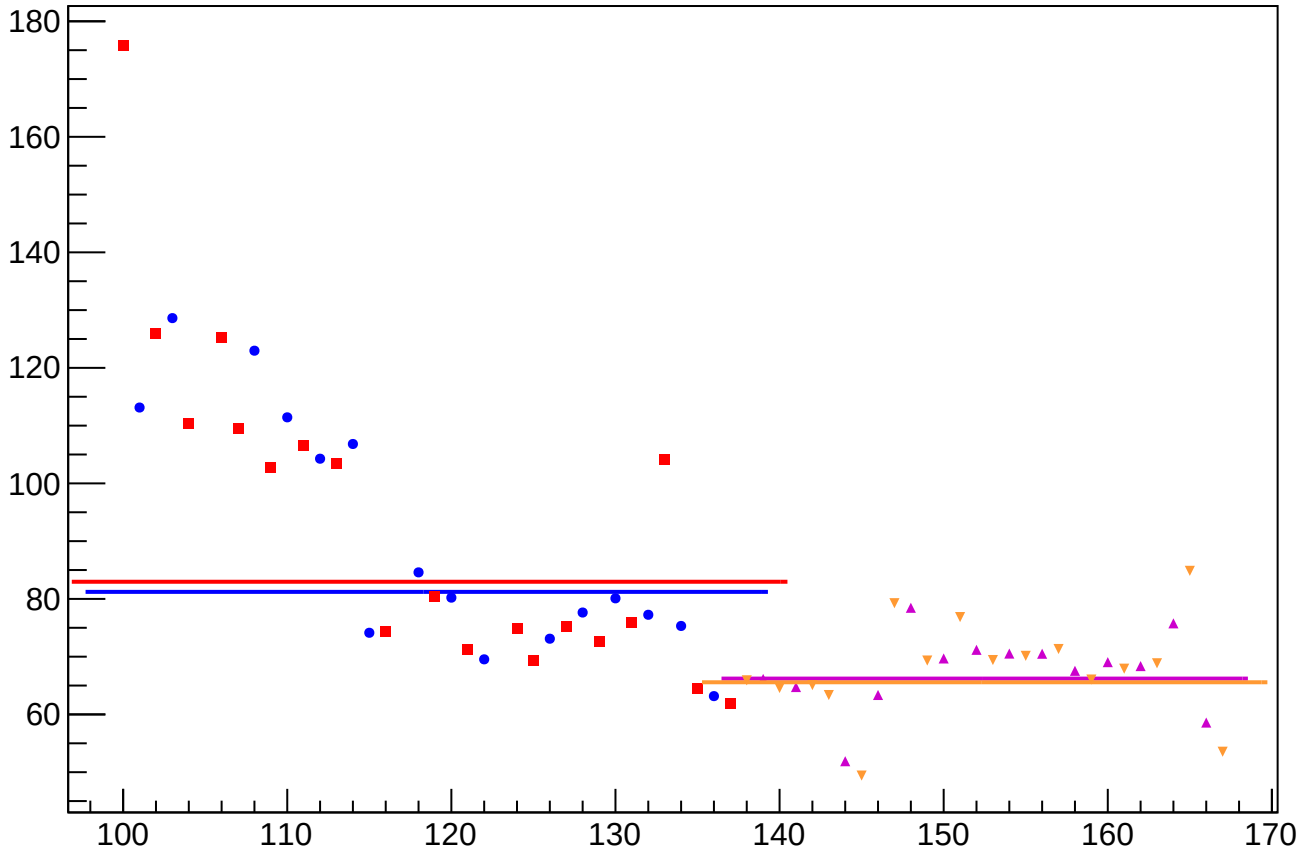
Left: -27.053+/-13.582 χ^2/NDF: 41.4/29

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -27.264+/-16.694 χ^2/NDF:32.8/29

Out: -23.501+/-16.024 χ^2/NDF:42.5/34

All: -25.306+/-11.560 χ^2/NDF: 75.3/64



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.568+/-0.013 χ^2/NDF:429563.1/15

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 66.204+/-0.014 χ^2/NDF:246350.2/13

Left: 65.868+/-0.010 χ^2/NDF: 677007.1/29

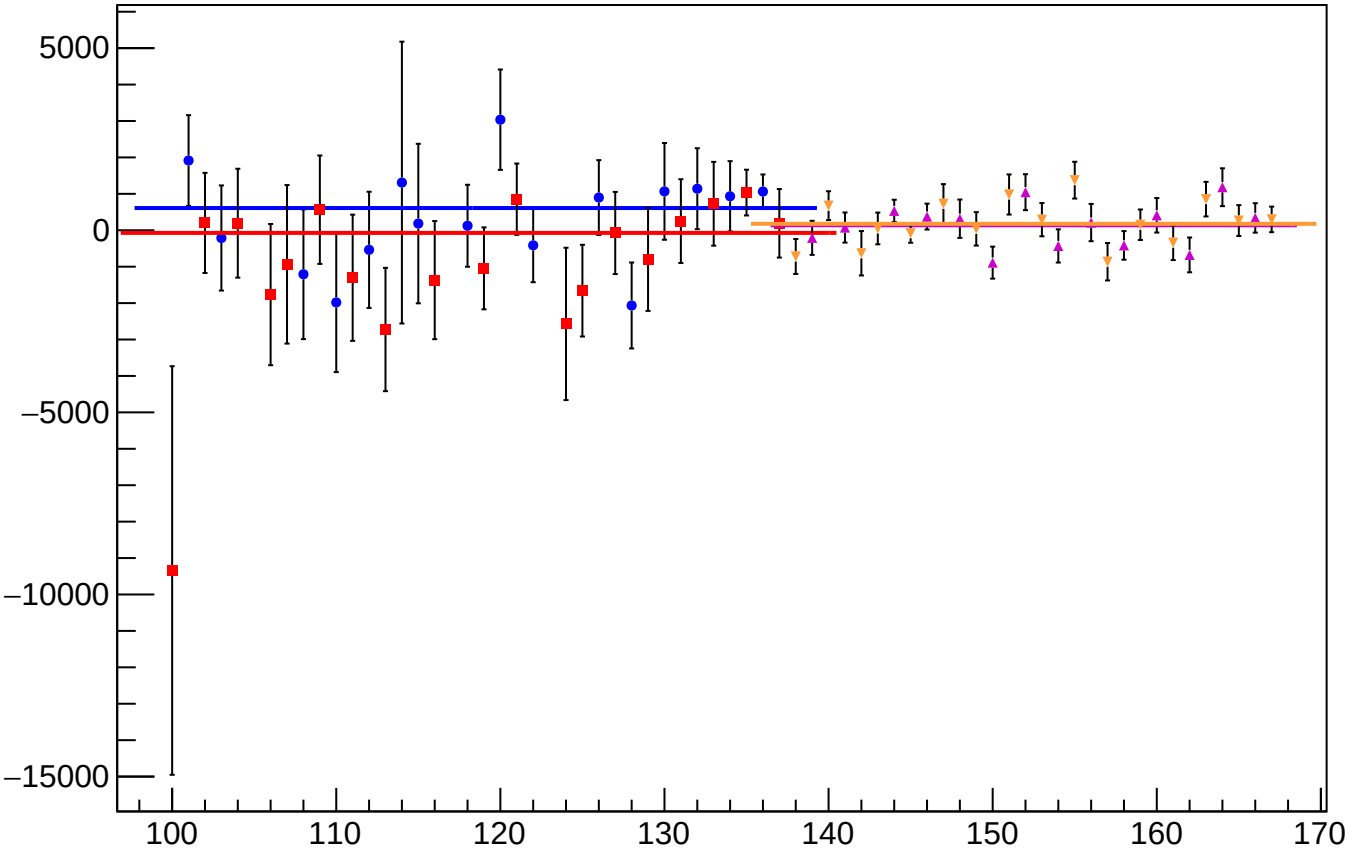
Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 70.541+/-0.012 χ^2/NDF:1241508.2/29

Out: 70.148+/-0.011 χ^2/NDF:1617397.8/34

All: 70.337+/-0.008 χ^2/NDF: 2859482.6/64

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 176.650+/-108.223 χ^2/NDF:24.3/15

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 136.873+/-114.906 χ^2/NDF:22.7/13

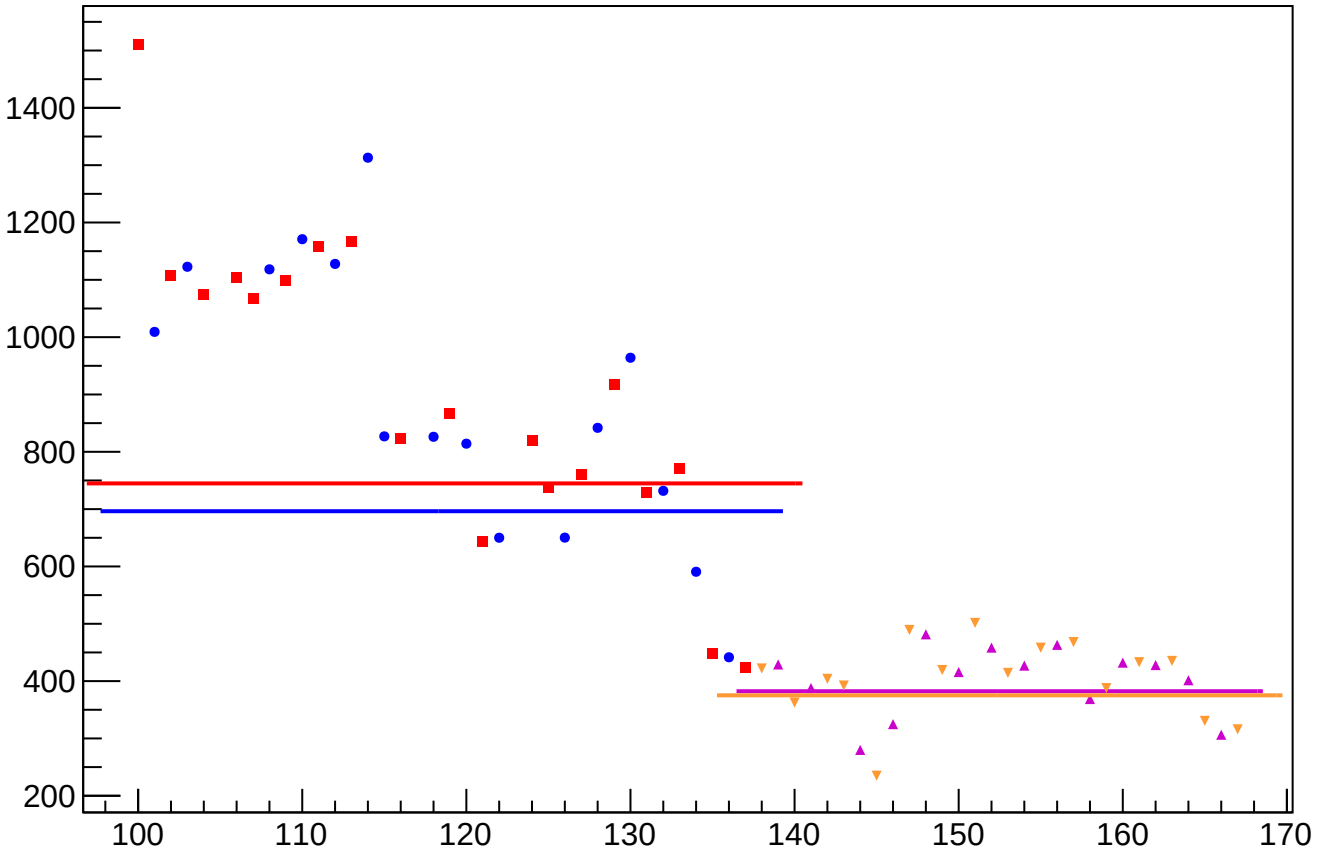
Left: 157.952+/-78.782 χ^2/NDF: 47.1/29

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 207.701+/-105.965 χ^2/NDF:41.1/29

Out: 145.625+/-101.255 χ^2/NDF:41.2/34

All: 175.253+/-73.206 χ^2/NDF: 82.4/64



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 375.207+/-0.077 χ^2/NDF:1089758.9/15

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 382.358+/-0.081 χ^2/NDF:613022.3/13

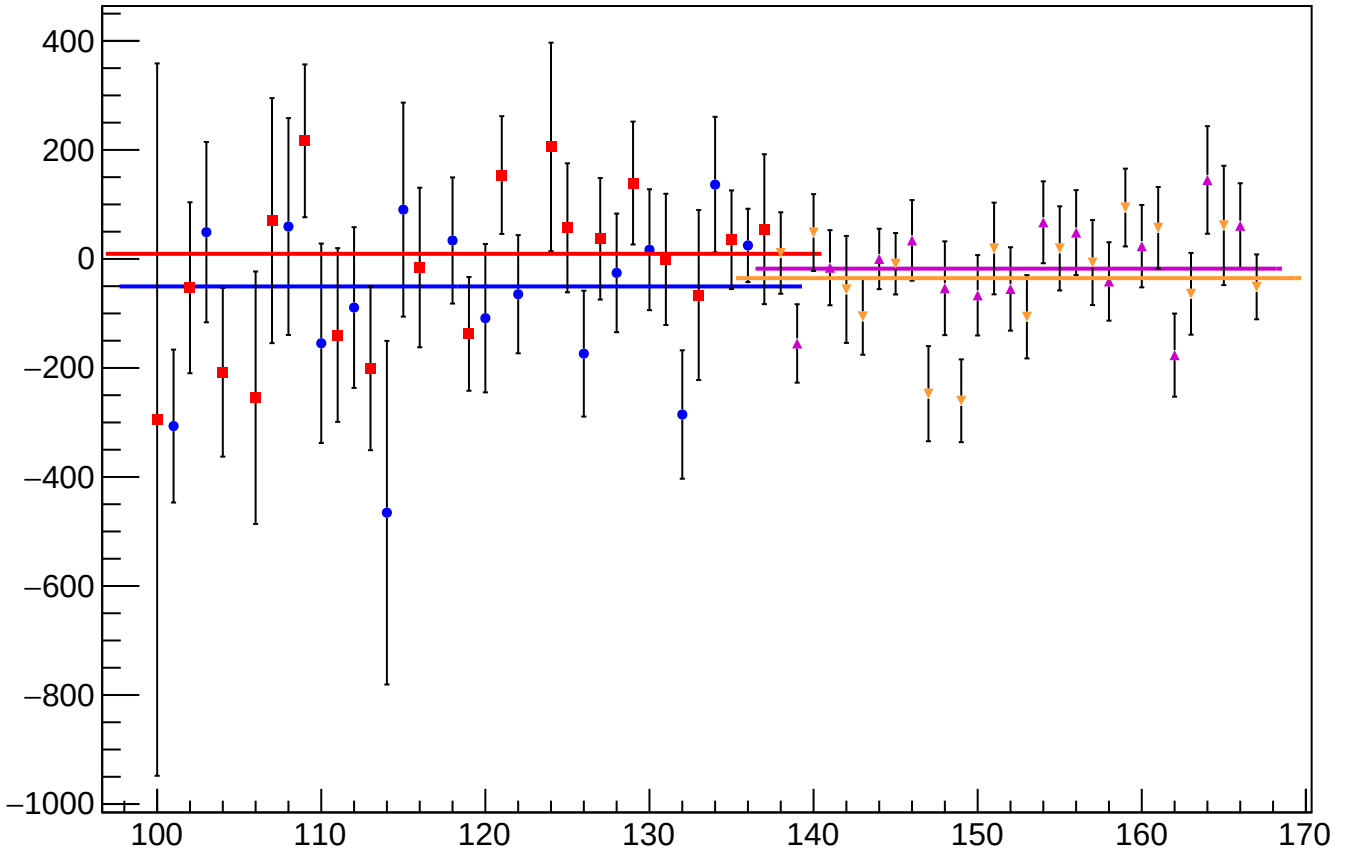
Left: 378.568+/-0.056 χ^2/NDF: 1706886.0/29

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 429.328+/-0.075 χ^2/NDF:4362662.0/29

Out: 421.274+/-0.072 χ^2/NDF:5496169.0/34

All: 425.118+/-0.052 χ^2/NDF: 9864870.4/64



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -35.246+/-18.668 χ^2/NDF:25.5/15

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -17.838+/-19.797 χ^2/NDF:15.6/13

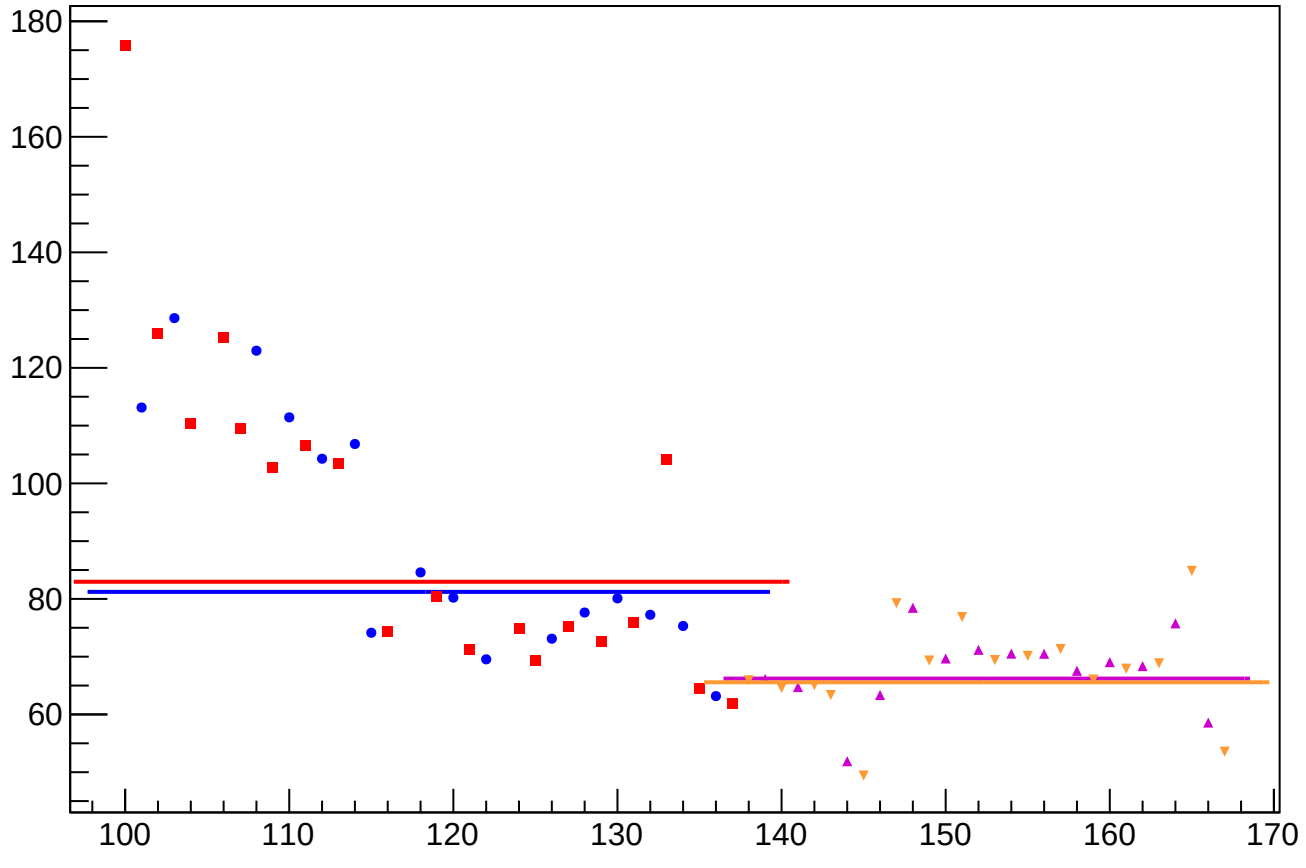
Left: -27.053+/-13.582 χ^2/NDF: 41.4/29

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -27.263+/-16.694 χ^2/NDF:32.8/29

Out: -23.501+/-16.024 χ^2/NDF:42.5/34

All: -25.305+/-11.560 χ^2/NDF: 75.3/64



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.568+/-0.013 χ^2/NDF:429562.9/15

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.205+/-0.014 χ^2/NDF:246349.5/13

Left: 65.868+/-0.010 χ^2/NDF: 677006.3/29

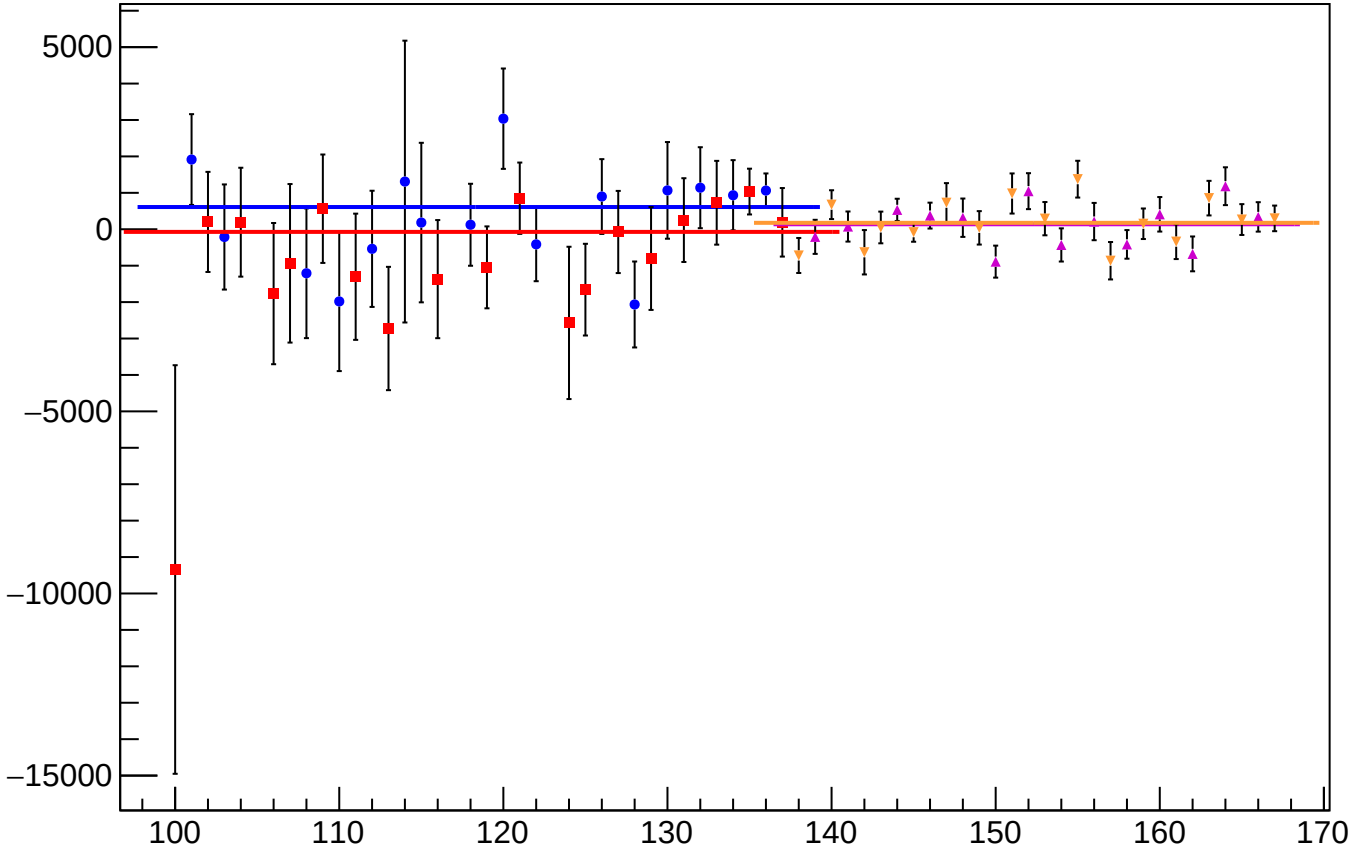
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 70.541+/-0.012 χ^2/NDF:1241471.8/29

Out: 70.148+/-0.011 χ^2/NDF:1617368.8/34

All: 70.337+/-0.008 χ^2/NDF: 2859417.2/64

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 176.650+/-108.223 χ^2/NDF:24.3/15

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 136.873+/-114.907 χ^2/NDF:22.7/13

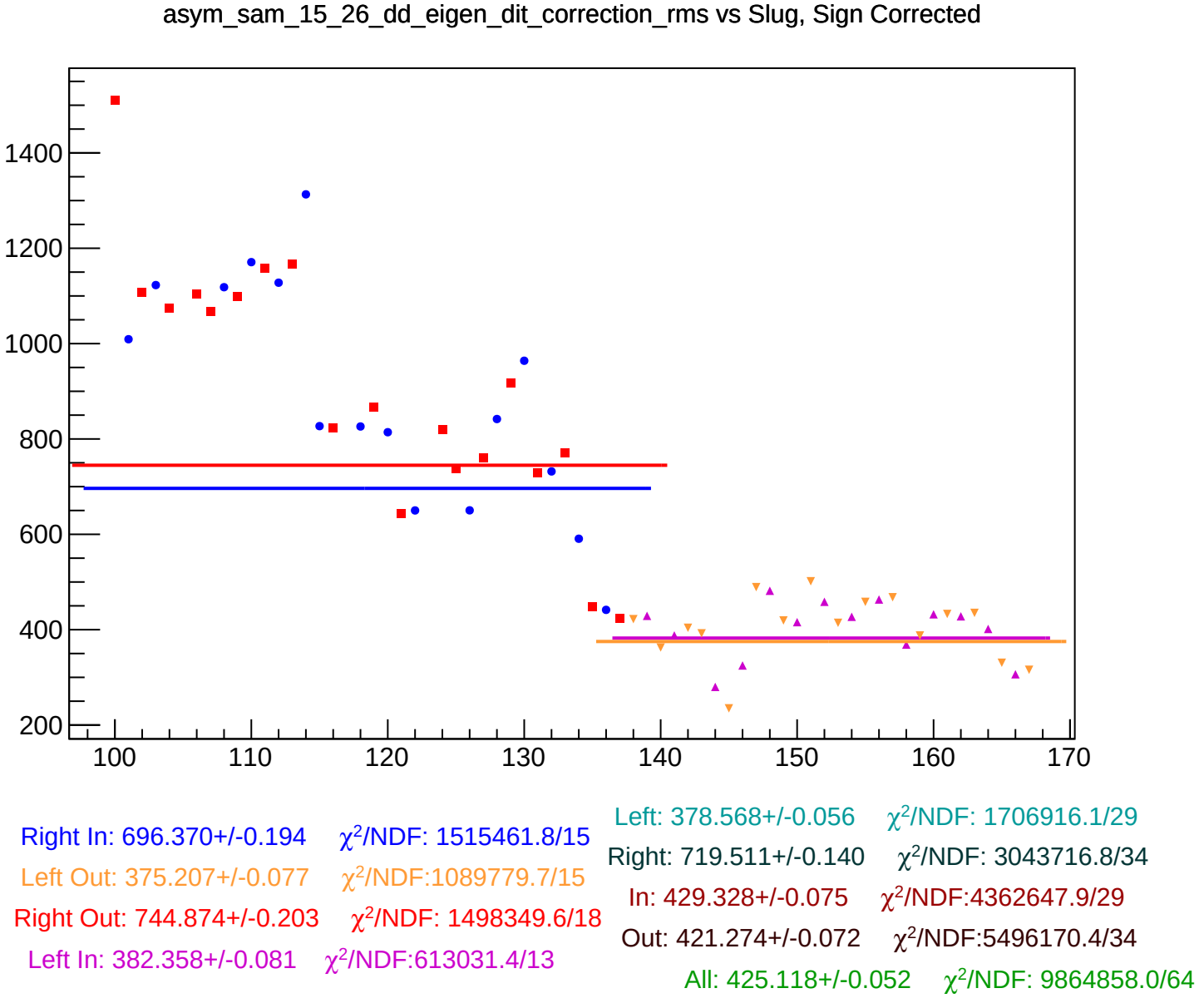
Left: 157.952+/-78.782 χ^2/NDF: 47.1/29

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

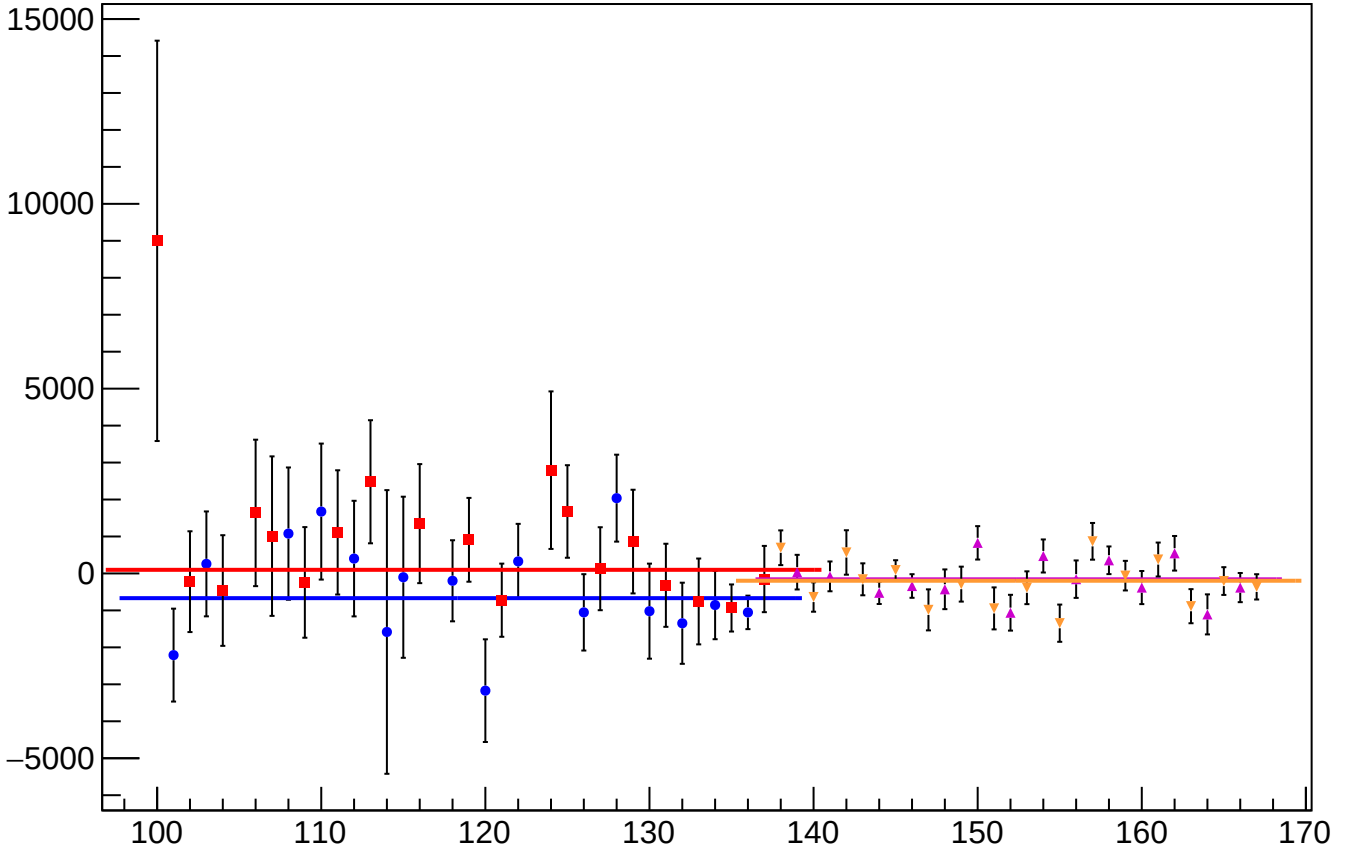
In: 207.702+/-105.965 χ^2/NDF:41.1/29

Out: 145.624+/-101.255 χ^2/NDF:41.2/34

All: 175.253+/-73.206 χ^2/NDF: 82.4/64


asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 696.370+/-0.194 χ²/NDF: 1515461.8/15
Left Out: 375.207+/-0.077 χ²/NDF:1089779.7/15
Right Out: 744.874+/-0.203 χ²/NDF: 1498349.6/18
Left In: 382.358+/-0.081 χ²/NDF:613031.4/13
Left: 378.568+/-0.056 χ²/NDF: 1706916.1/29
Right: 719.511+/-0.140 χ²/NDF: 3043716.8/34
In: 429.328+/-0.075 χ²/NDF:4362647.9/29
Out: 421.274+/-0.072 χ²/NDF:5496170.4/34
All: 425.118+/-0.052 χ²/NDF: 9864858.0/64

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -197.422+/-106.532 χ^2/NDF:25.5/15

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -159.127+/-112.227 χ^2/NDF:20.3/13

Left: -179.271+/-77.264 χ^2/NDF: 45.9/29

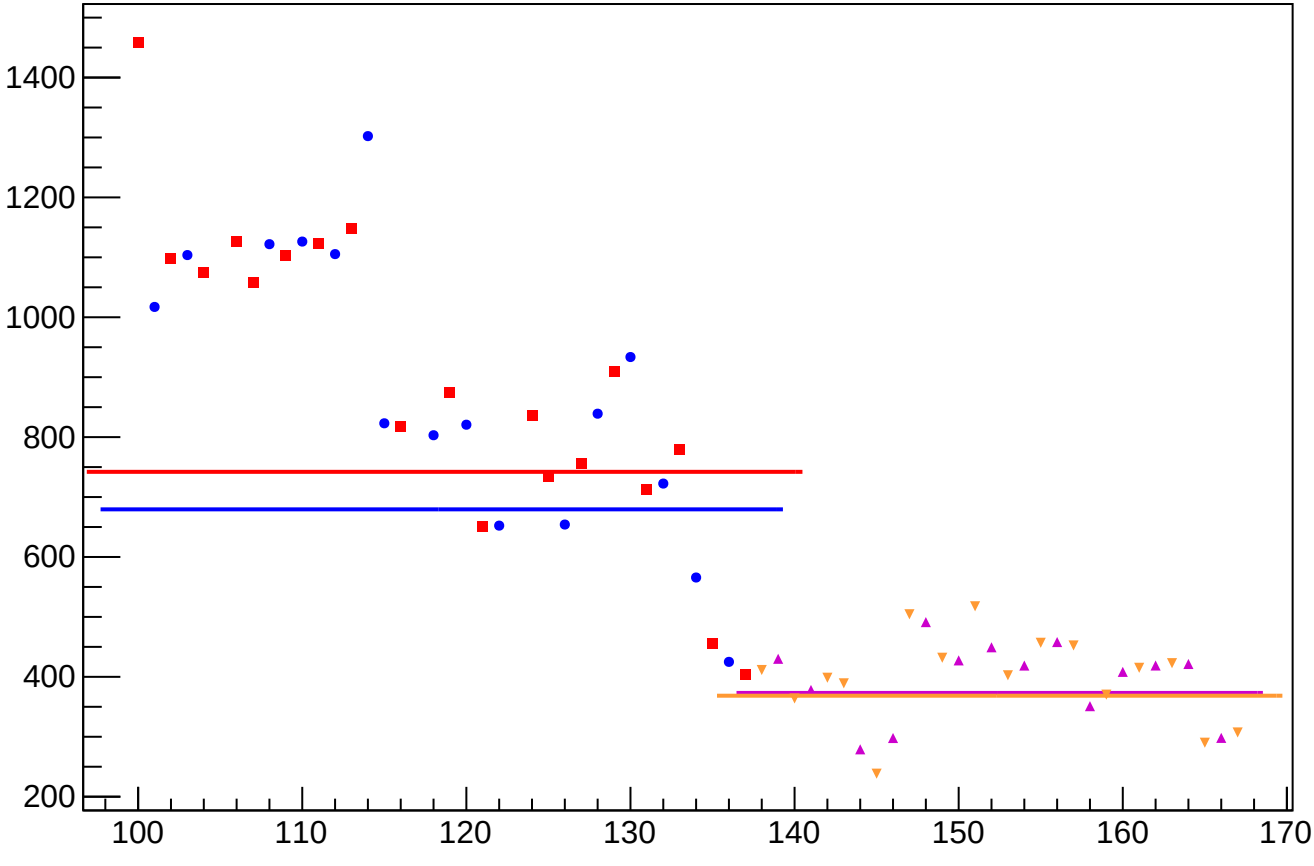
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -234.906+/-103.543 χ^2/NDF:39.5/29

Out: -161.400+/-99.826 χ^2/NDF:41.3/34

All: -196.810+/-71.866 χ^2/NDF: 81.0/64

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 368.512+/-0.075 χ^2/NDF:1121940.4/15

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 373.150+/-0.079 χ^2/NDF:711655.0/13

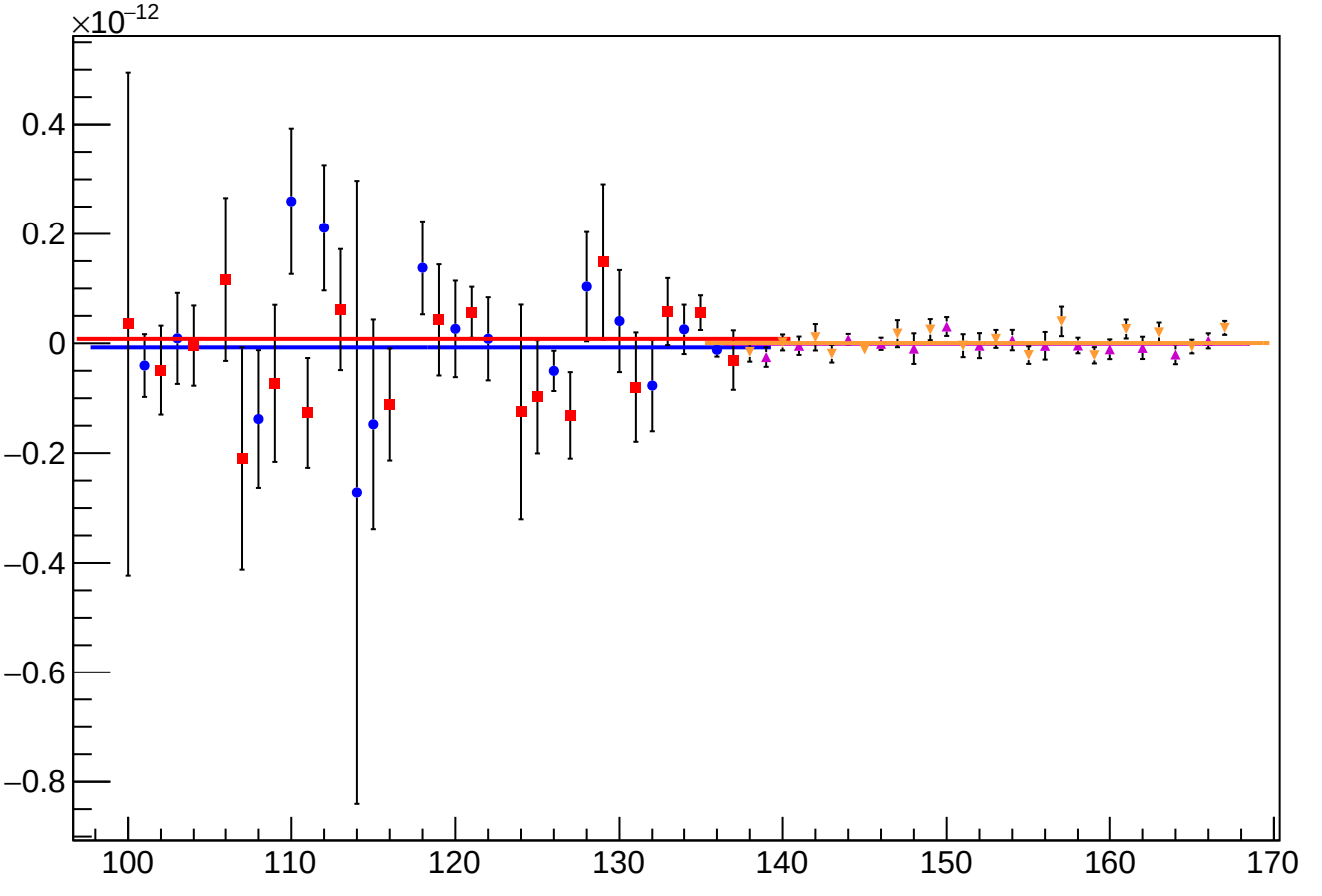
Left: 370.710+/-0.055 χ^2/NDF: 1835392.3/29

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 418.720+/-0.073 χ^2/NDF:4529196.2/29

Out: 414.062+/-0.071 χ^2/NDF:5624993.1/34

All: 416.306+/-0.051 χ^2/NDF: 10156287.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/13

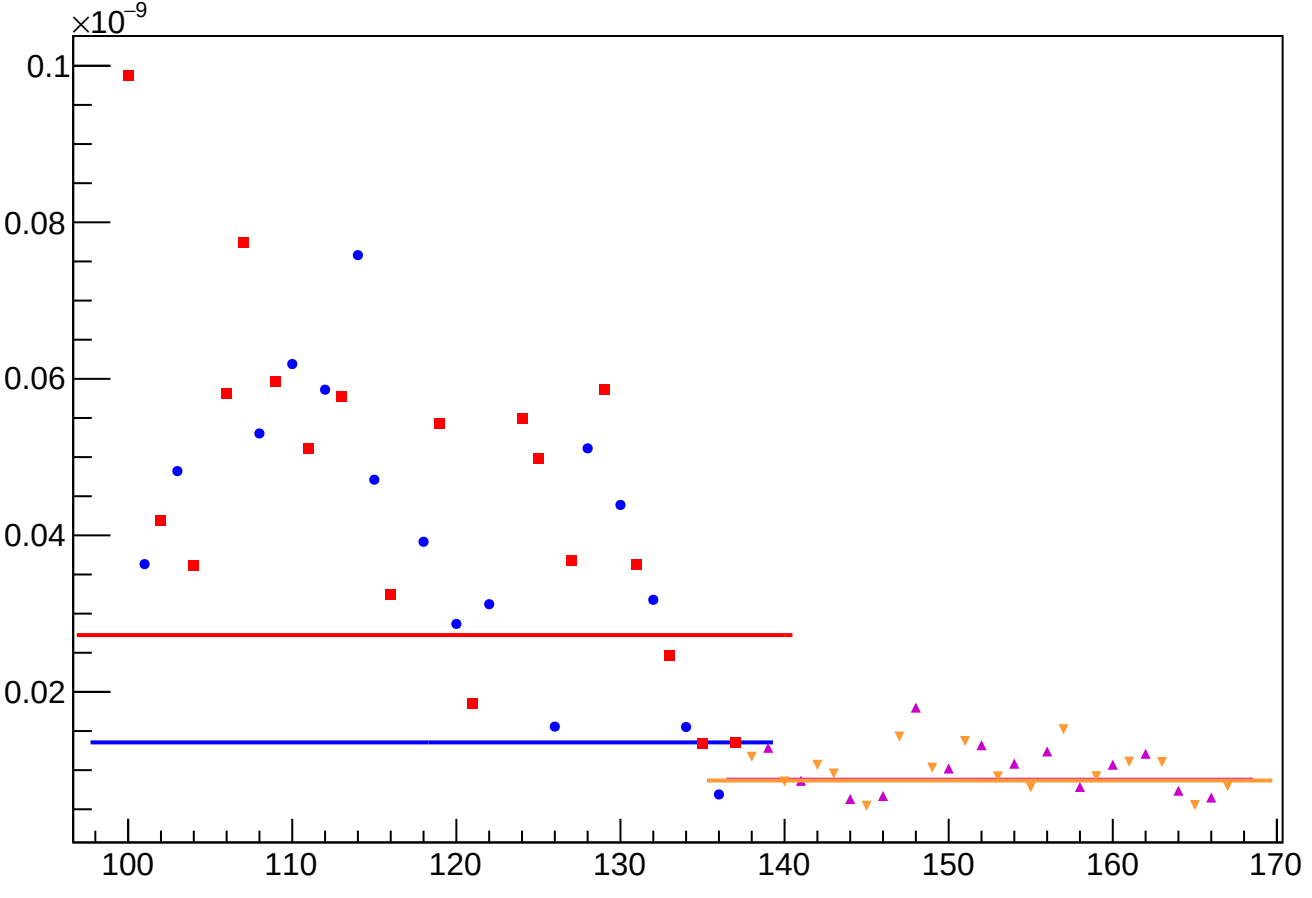
Left: -0.000+/-0.000 χ^2/NDF: 29.3/29

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:25.6/29

Out: 0.000+/-0.000 χ^2/NDF:38.4/34

All: -0.000+/-0.000 χ^2/NDF: 64.2/64



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:914263.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:824682.4/13

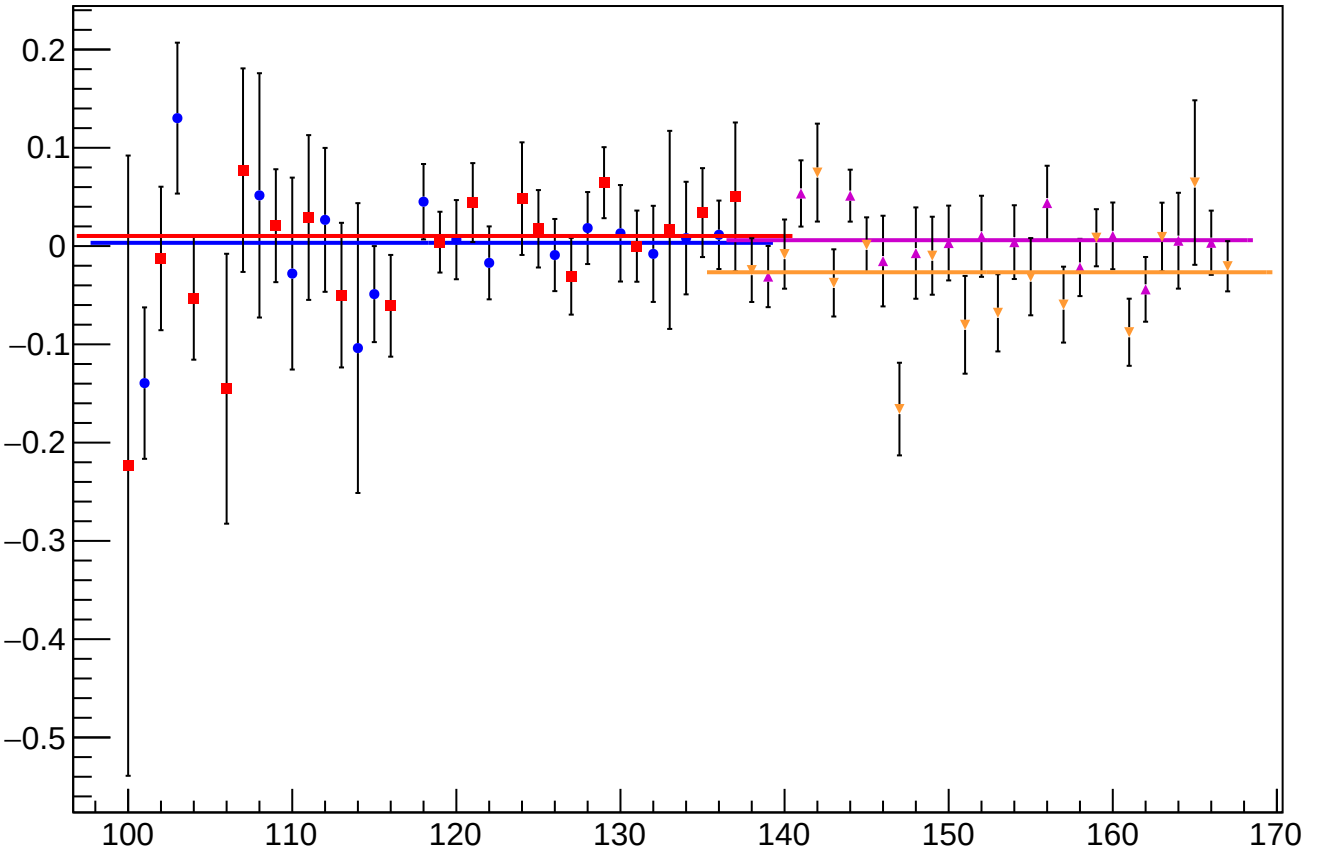
Left: 0.000+/-0.000 χ^2/NDF: 1739571.5/29

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4226293.1/29

Out: 0.000+/-0.000 χ^2/NDF:4842320.6/34

All: 0.000+/-0.000 χ^2/NDF: 9069540.1/64



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.009 χ^2/NDF:24.4/15

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.009 χ^2/NDF:10.9/13

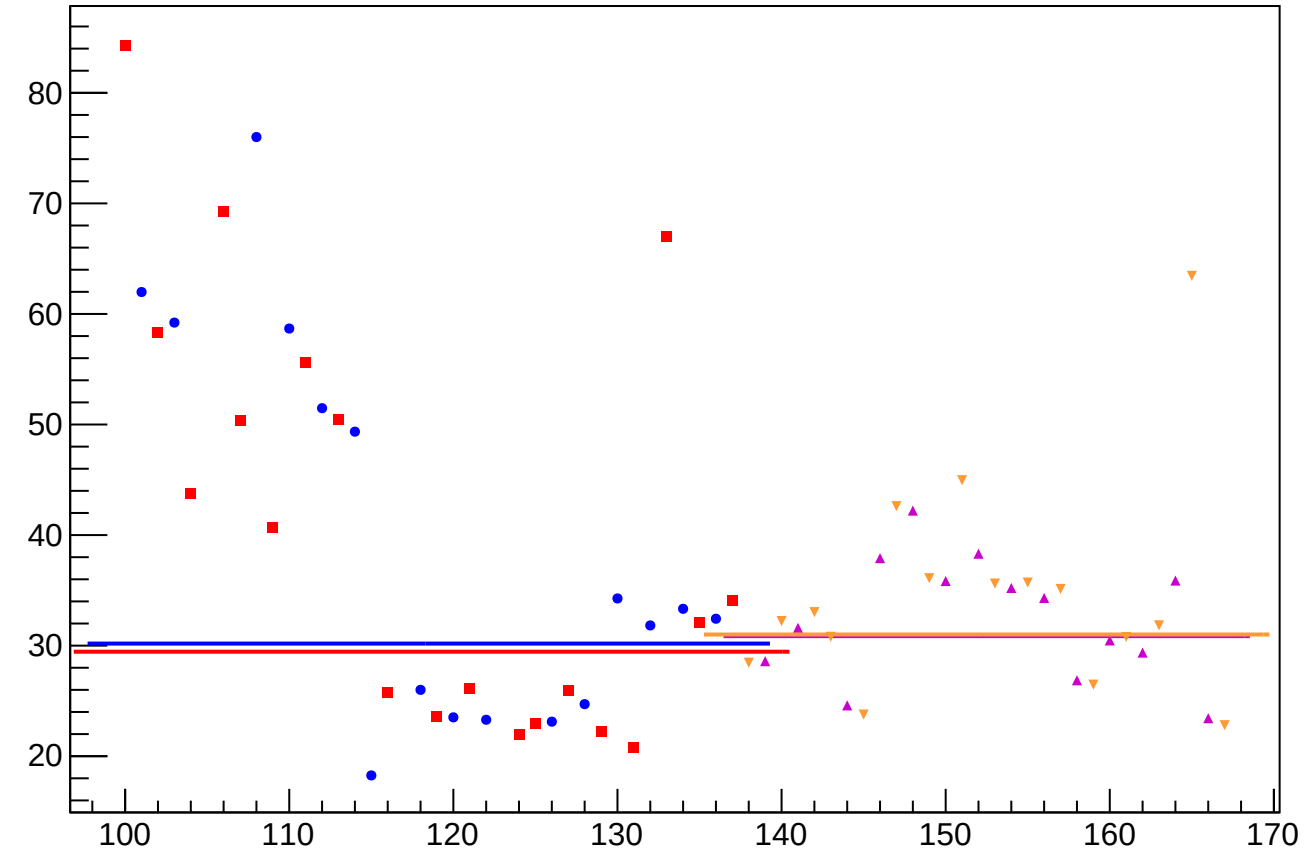
Left: -0.011+/-0.007 χ^2/NDF: 41.5/29

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.007 χ^2/NDF:21.0/29

Out: -0.013+/-0.007 χ^2/NDF:41.8/34

All: -0.004+/-0.005 χ^2/NDF: 65.9/64



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.006+/-0.006 χ^2/NDF:1099291.6/15

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.858+/-0.007 χ^2/NDF:599593.9/13

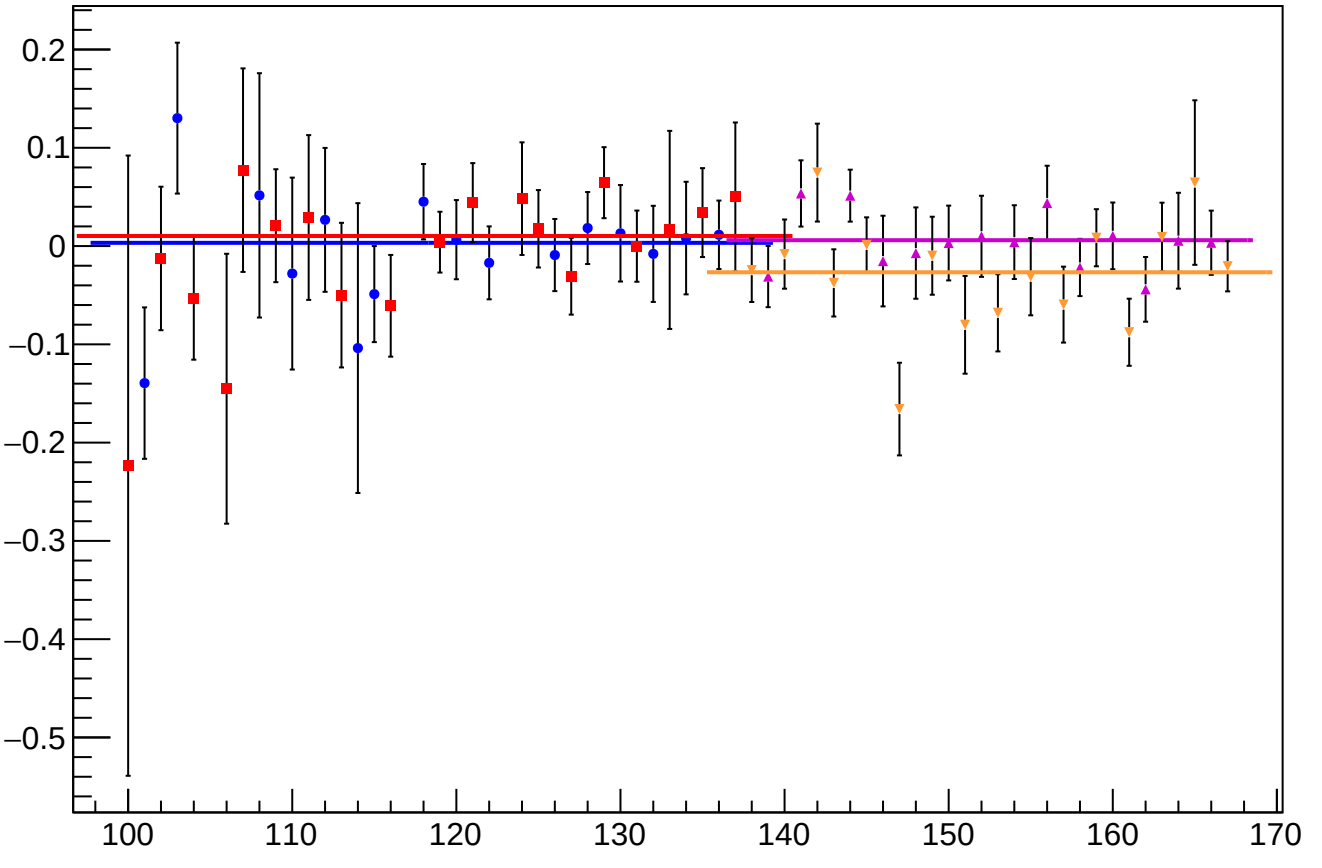
Left: 30.936+/-0.005 χ^2/NDF: 1699143.3/29

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.610+/-0.005 χ^2/NDF:2290736.6/29

Out: 30.434+/-0.005 χ^2/NDF:2969814.1/34

All: 30.518+/-0.004 χ^2/NDF: 5261128.6/64



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.009 χ^2/NDF:24.4/15

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.009 χ^2/NDF:10.9/13

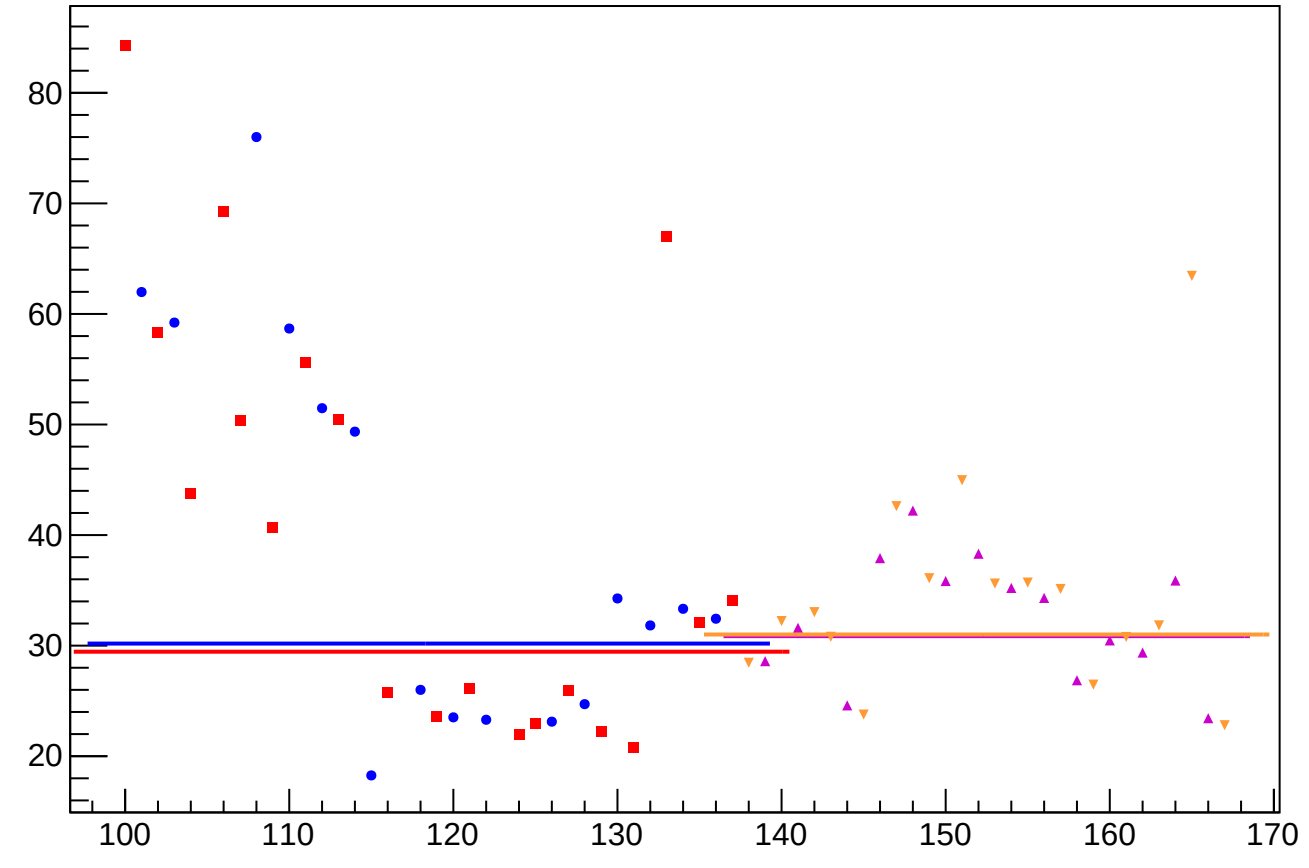
Left: -0.011+/-0.007 χ^2/NDF: 41.5/29

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.007 χ^2/NDF:21.0/29

Out: -0.013+/-0.007 χ^2/NDF:41.8/34

All: -0.004+/-0.005 χ^2/NDF: 65.9/64



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.006+/-0.006 χ^2/NDF:1099291.6/15

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.858+/-0.007 χ^2/NDF:599593.9/13

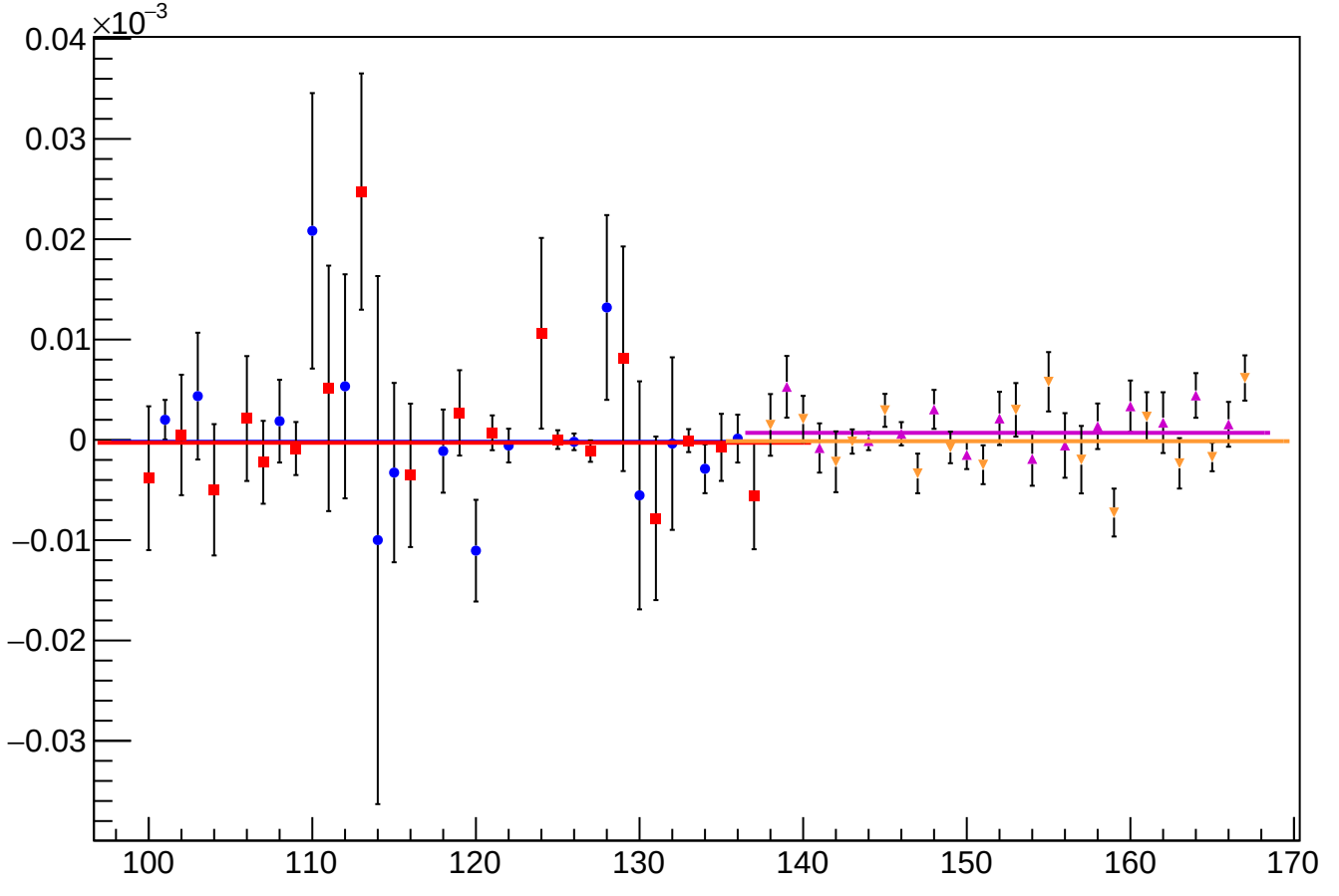
Left: 30.936+/-0.005 χ^2/NDF: 1699143.3/29

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.610+/-0.005 χ^2/NDF:2290736.6/29

Out: 30.434+/-0.005 χ^2/NDF:2969814.1/34

All: 30.518+/-0.004 χ^2/NDF: 5261128.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/13

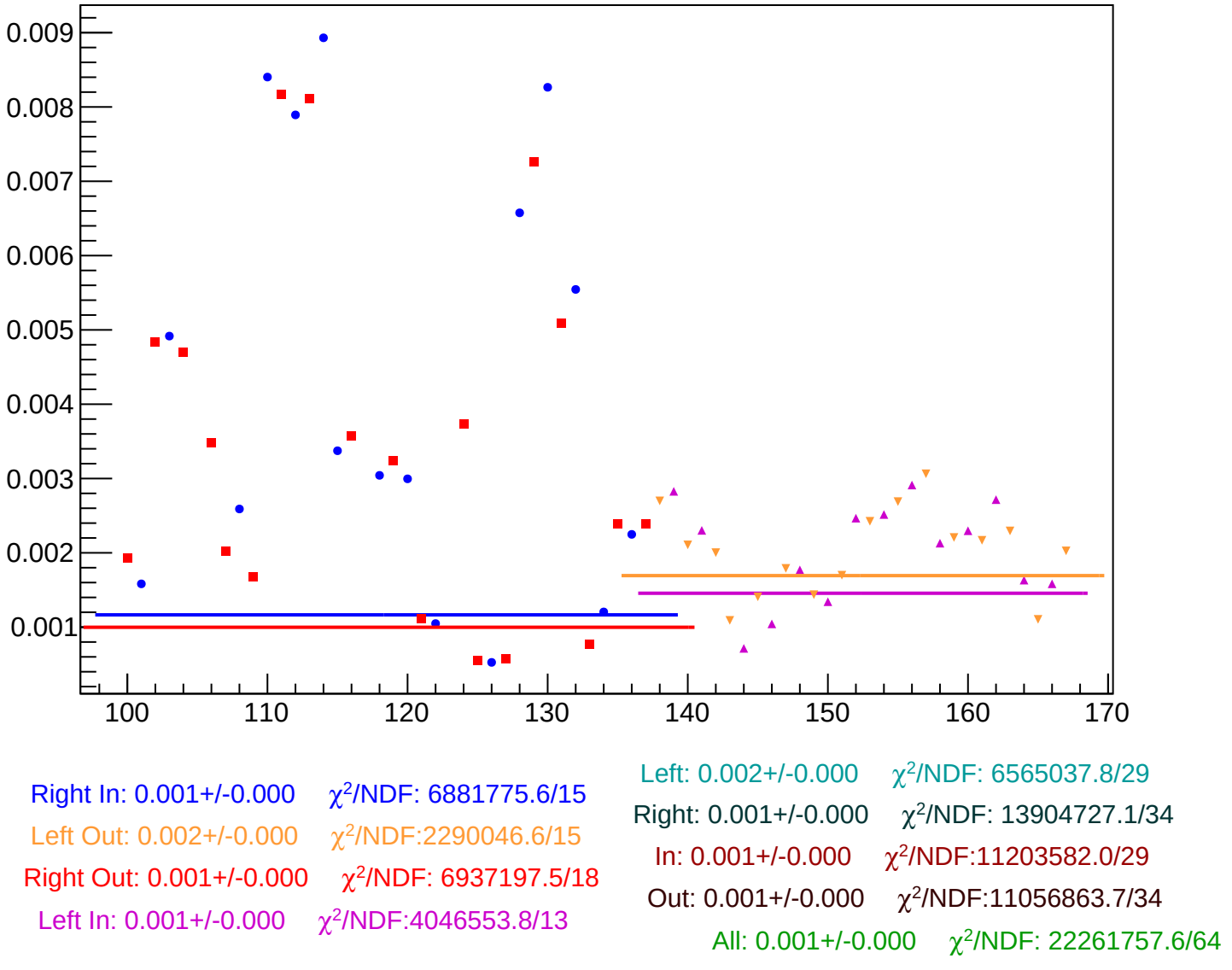
Left: 0.000+/-0.000 χ^2/NDF: 49.0/29

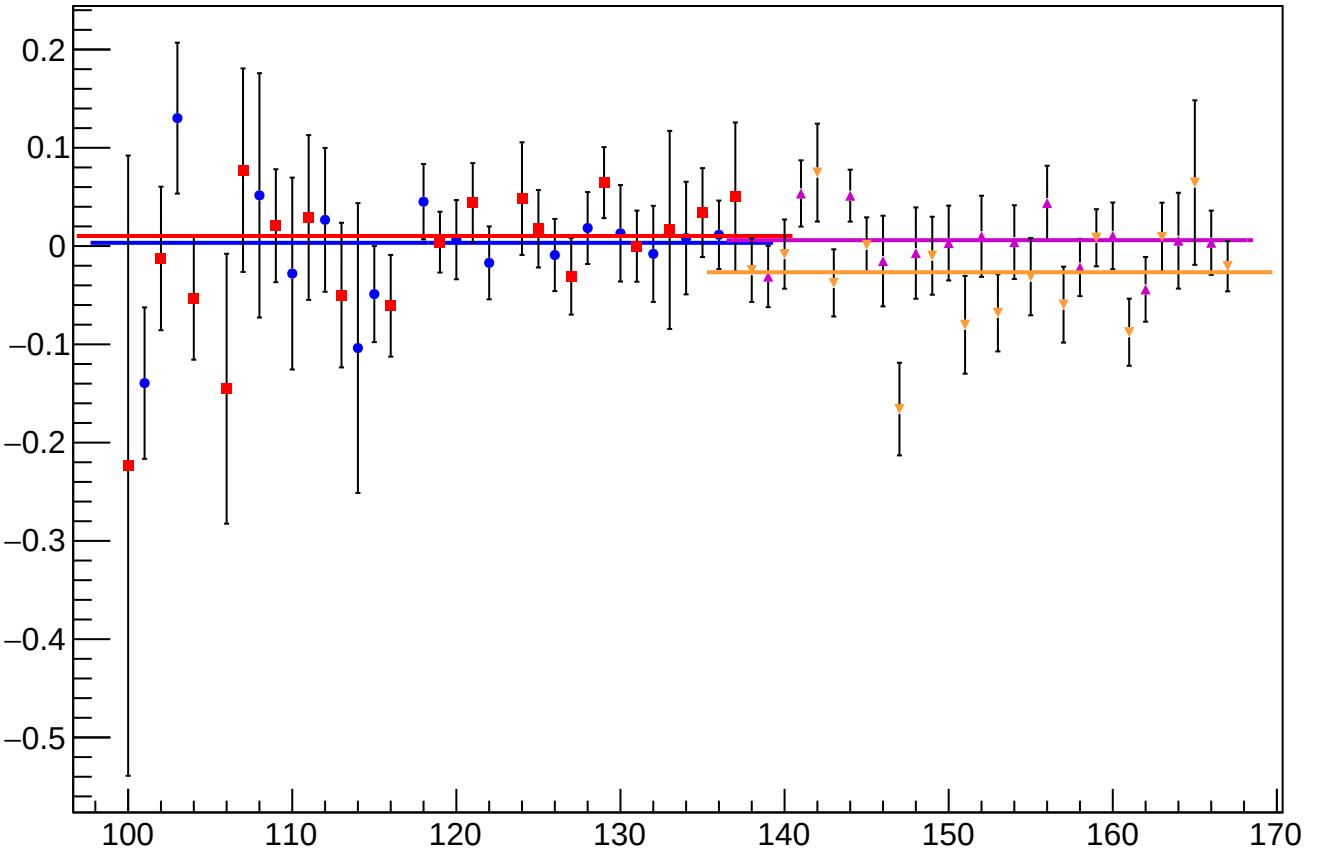
Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:27.2/29

Out: -0.000+/-0.000 χ^2/NDF:46.3/34

All: 0.000+/-0.000 χ^2/NDF: 74.7/64


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2290046.6/15
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.001+/-0.000 χ²/NDF:4046553.8/13
Left: 0.002+/-0.000 χ²/NDF: 6565037.8/29
Right: 0.001+/-0.000 χ²/NDF: 13904727.1/34
In: 0.001+/-0.000 χ²/NDF:11203582.0/29
Out: 0.001+/-0.000 χ²/NDF:11056863.7/34
All: 0.001+/-0.000 χ²/NDF: 22261757.6/64



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.009 χ^2/NDF:24.4/15

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.009 χ^2/NDF:10.9/13

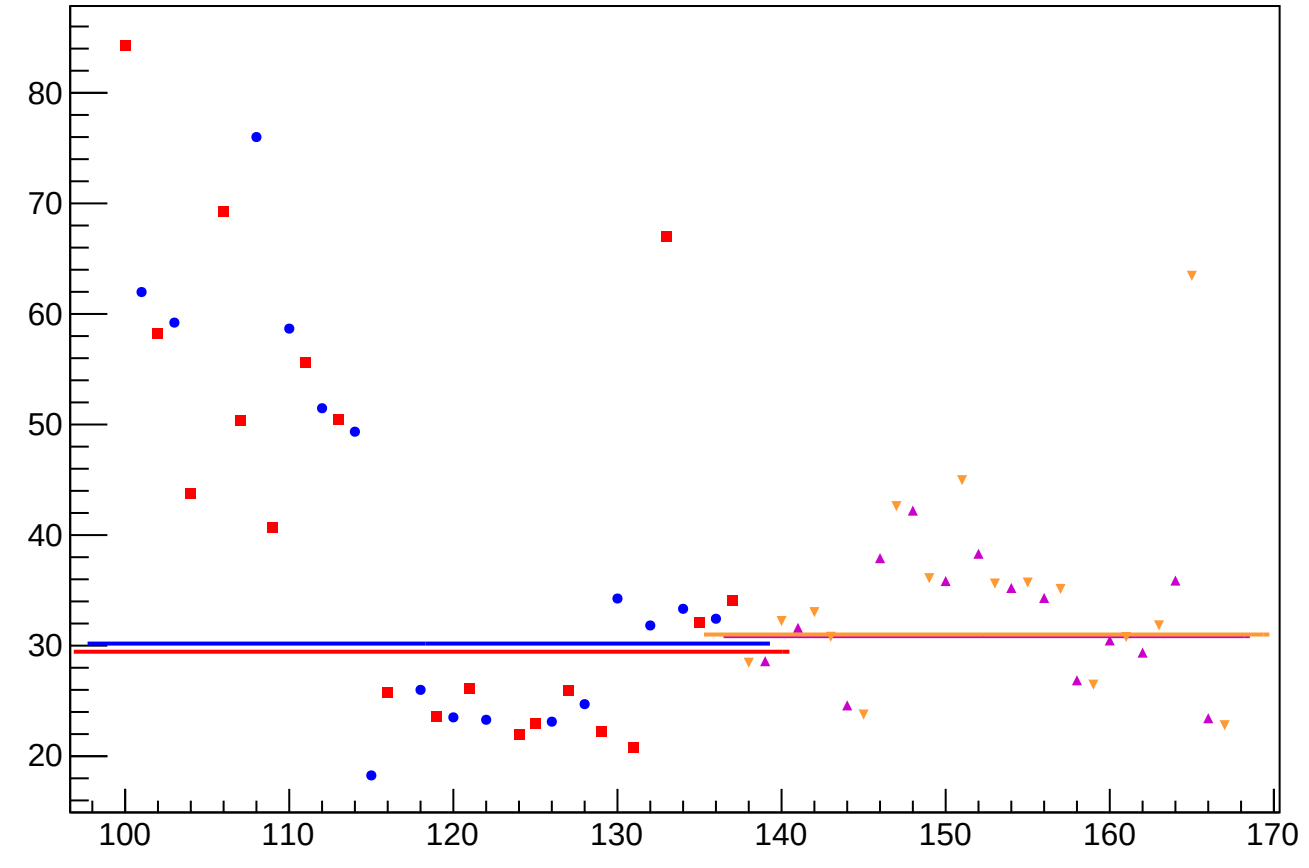
Left: -0.011+/-0.007 χ^2/NDF: 41.5/29

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.007 χ^2/NDF:21.0/29

Out: -0.013+/-0.007 χ^2/NDF:41.8/34

All: -0.004+/-0.005 χ^2/NDF: 65.9/64



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.007+/-0.006 χ^2/NDF:1099317.9/15

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.859+/-0.007 χ^2/NDF:599620.6/13

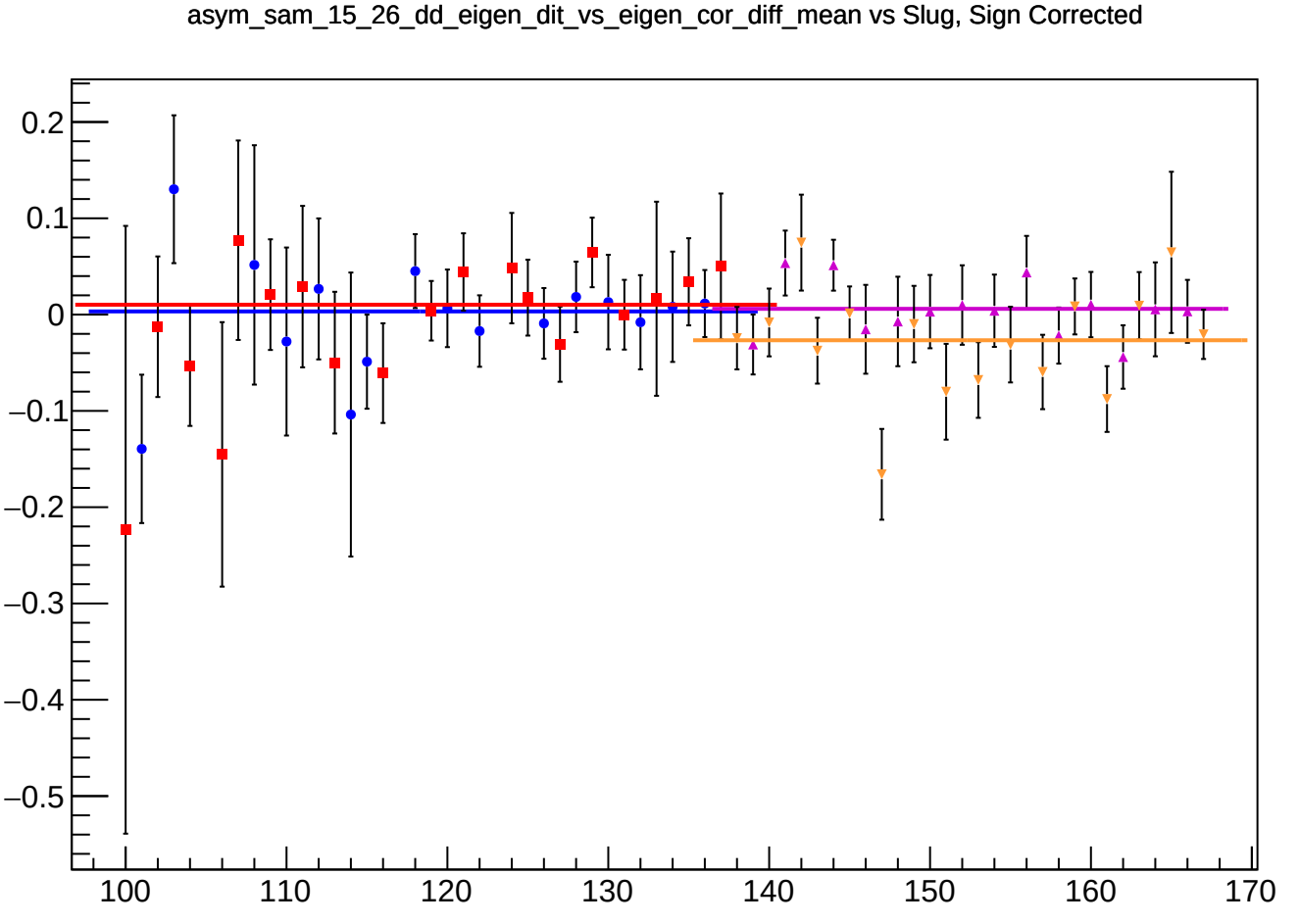
Left: 30.936+/-0.005 χ^2/NDF: 1699196.2/29

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

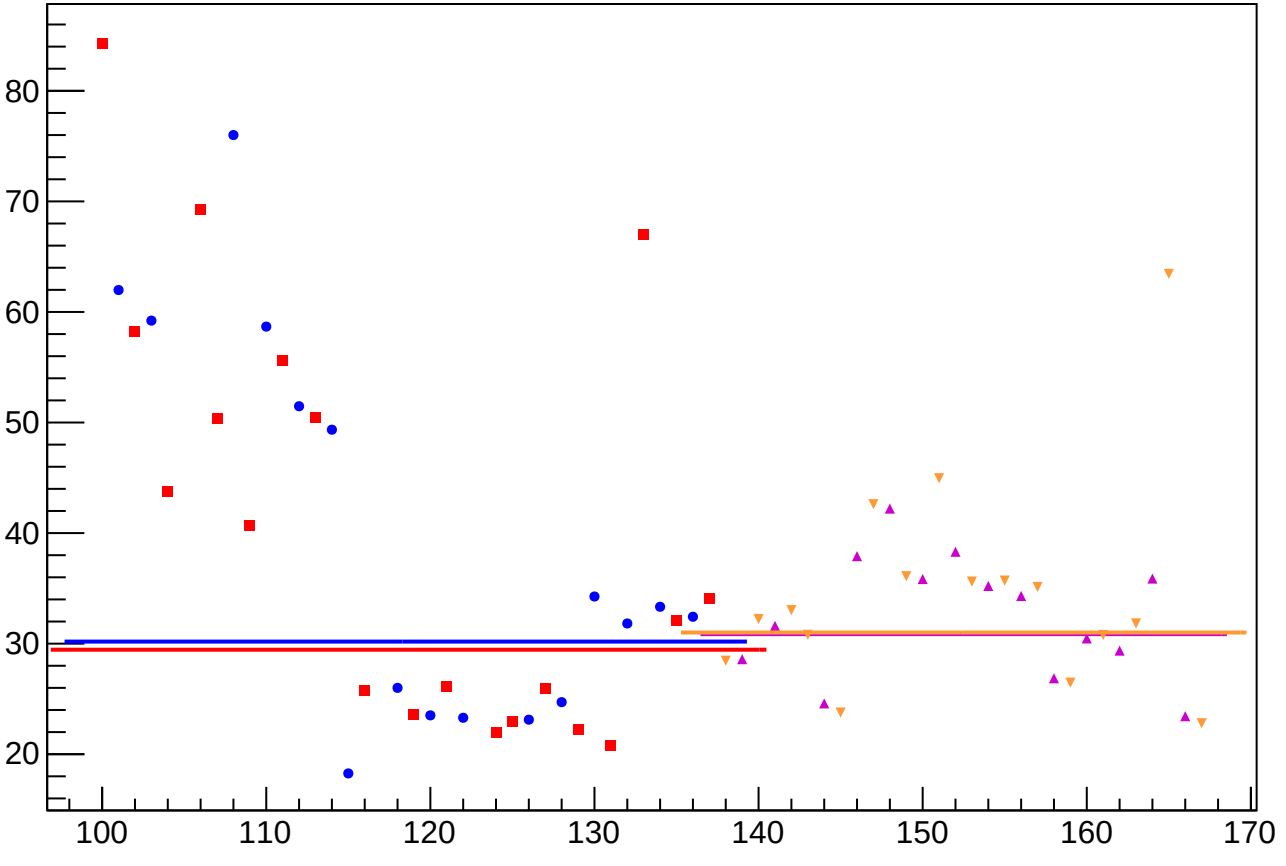
In: 30.610+/-0.005 χ^2/NDF:2290578.5/29

Out: 30.434+/-0.005 χ^2/NDF:2969854.5/34

All: 30.518+/-0.004 χ^2/NDF: 5261012.6/64


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.027+/-0.009 χ²/NDF:24.4/15
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.006+/-0.009 χ²/NDF:10.9/13
Left: -0.011+/-0.007 χ²/NDF: 41.5/29
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.005+/-0.007 χ²/NDF:21.0/29
Out: -0.013+/-0.007 χ²/NDF:41.8/34
All: -0.004+/-0.005 χ²/NDF: 65.9/64

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.007+/-0.006 χ^2/NDF:1099317.9/15

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.859+/-0.007 χ^2/NDF:599620.6/13

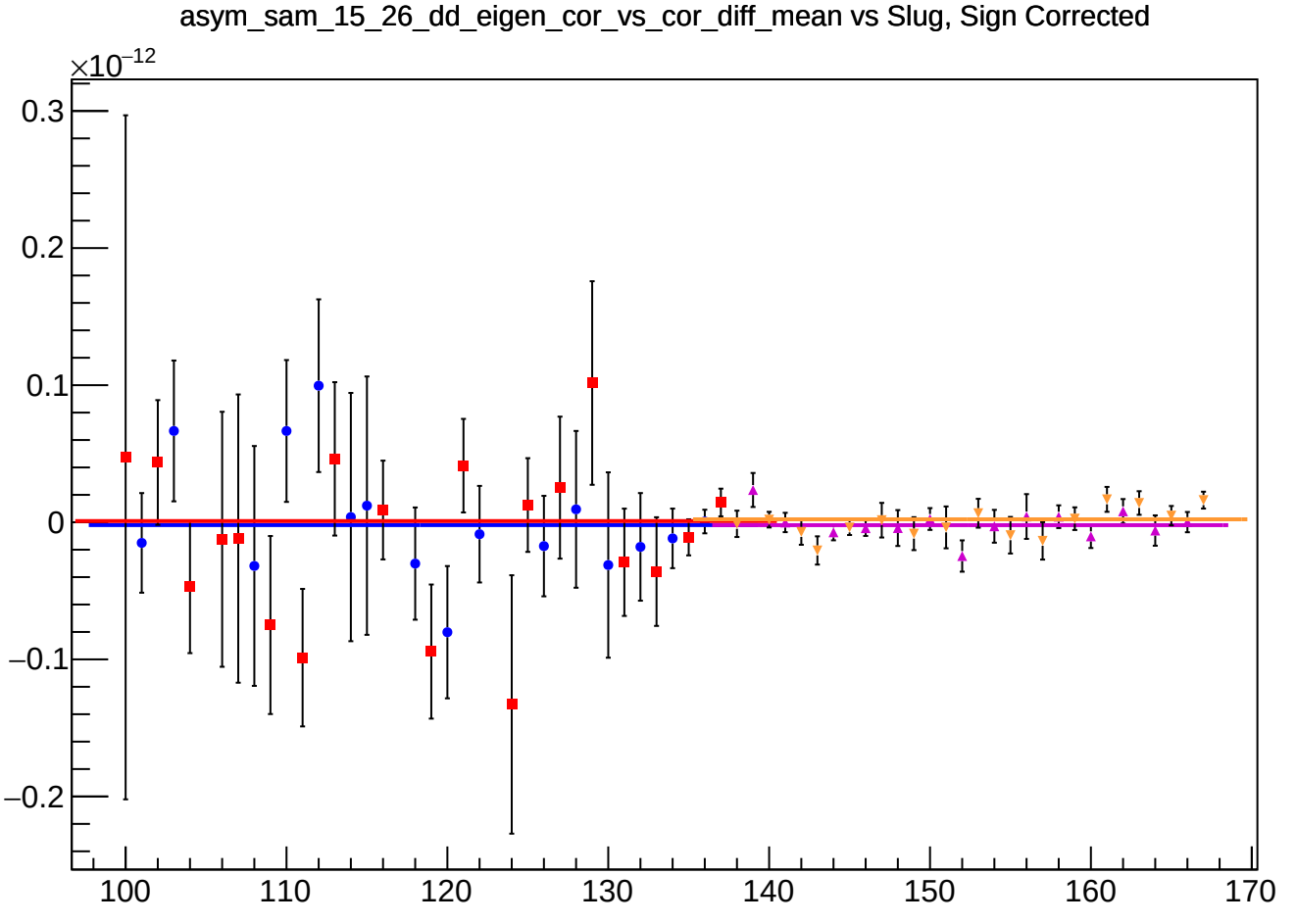
Left: 30.936+/-0.005 χ^2/NDF: 1699196.2/29

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.610+/-0.005 χ^2/NDF:2290578.5/29

Out: 30.434+/-0.005 χ^2/NDF:2969854.5/34

All: 30.518+/-0.004 χ^2/NDF: 5261012.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/13

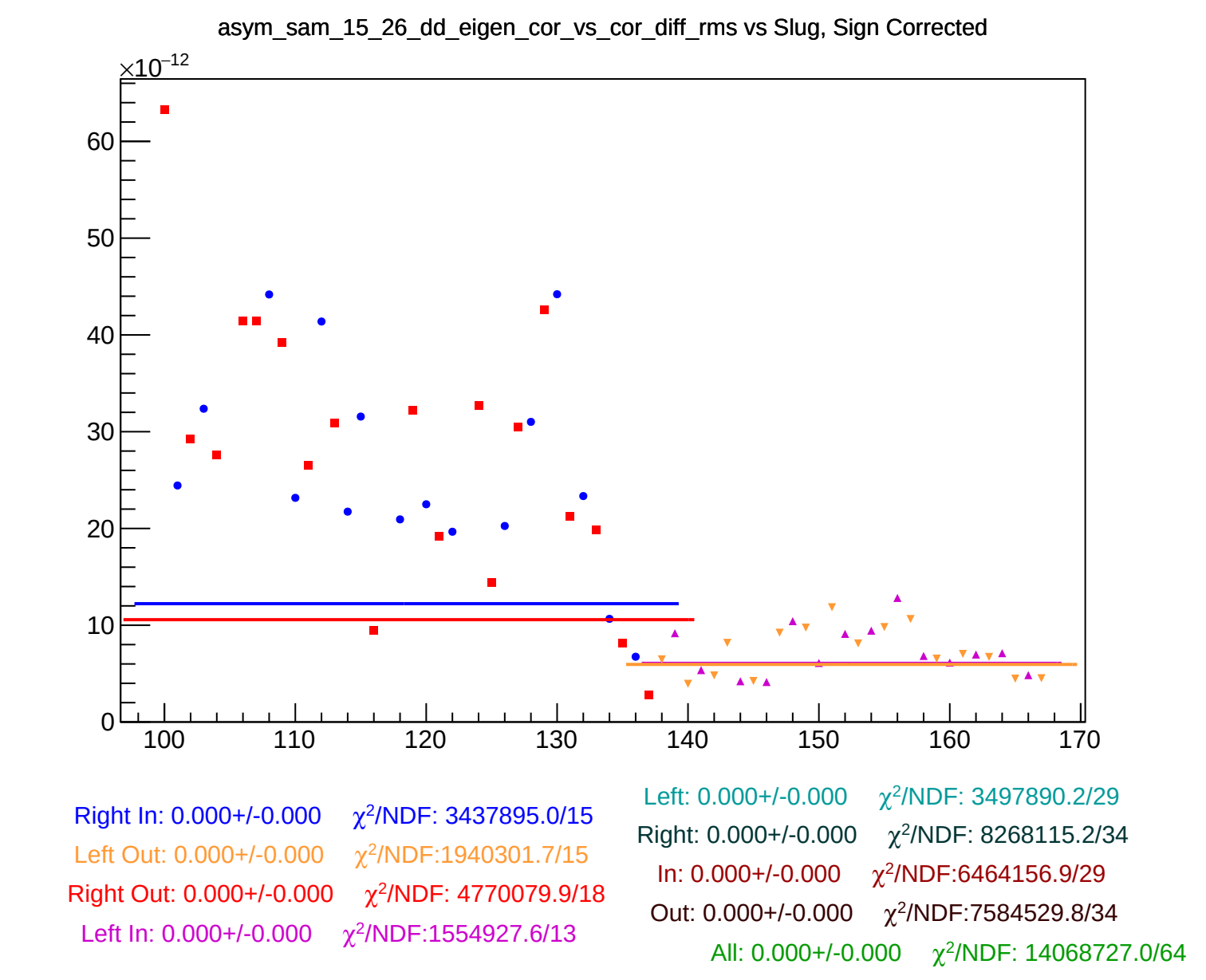
Left: 0.000+/-0.000 χ^2/NDF: 34.6/29

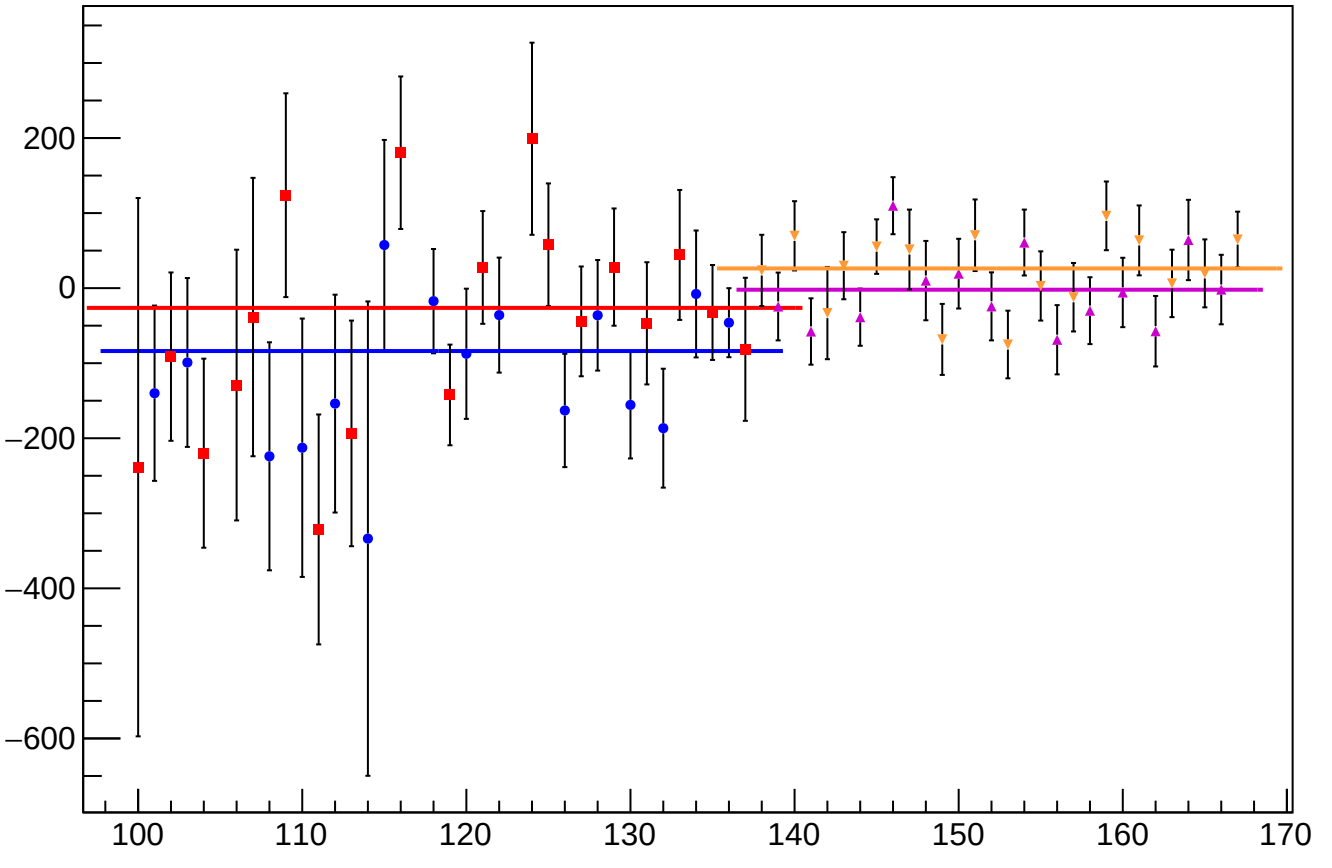
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:23.1/29

Out: 0.000+/-0.000 χ^2/NDF:41.5/34

All: 0.000+/-0.000 χ^2/NDF: 66.5/64


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1940301.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:1554927.6/13
Left: 0.000+/-0.000 χ²/NDF: 3497890.2/29
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:6464156.9/29
Out: 0.000+/-0.000 χ²/NDF:7584529.8/34
All: 0.000+/-0.000 χ²/NDF: 14068727.0/64



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 26.224+/-11.349 χ^2/NDF:17.9/15

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -2.088+/-12.022 χ^2/NDF:19.4/13

Left: 12.883+/-8.252 χ^2/NDF: 40.2/29

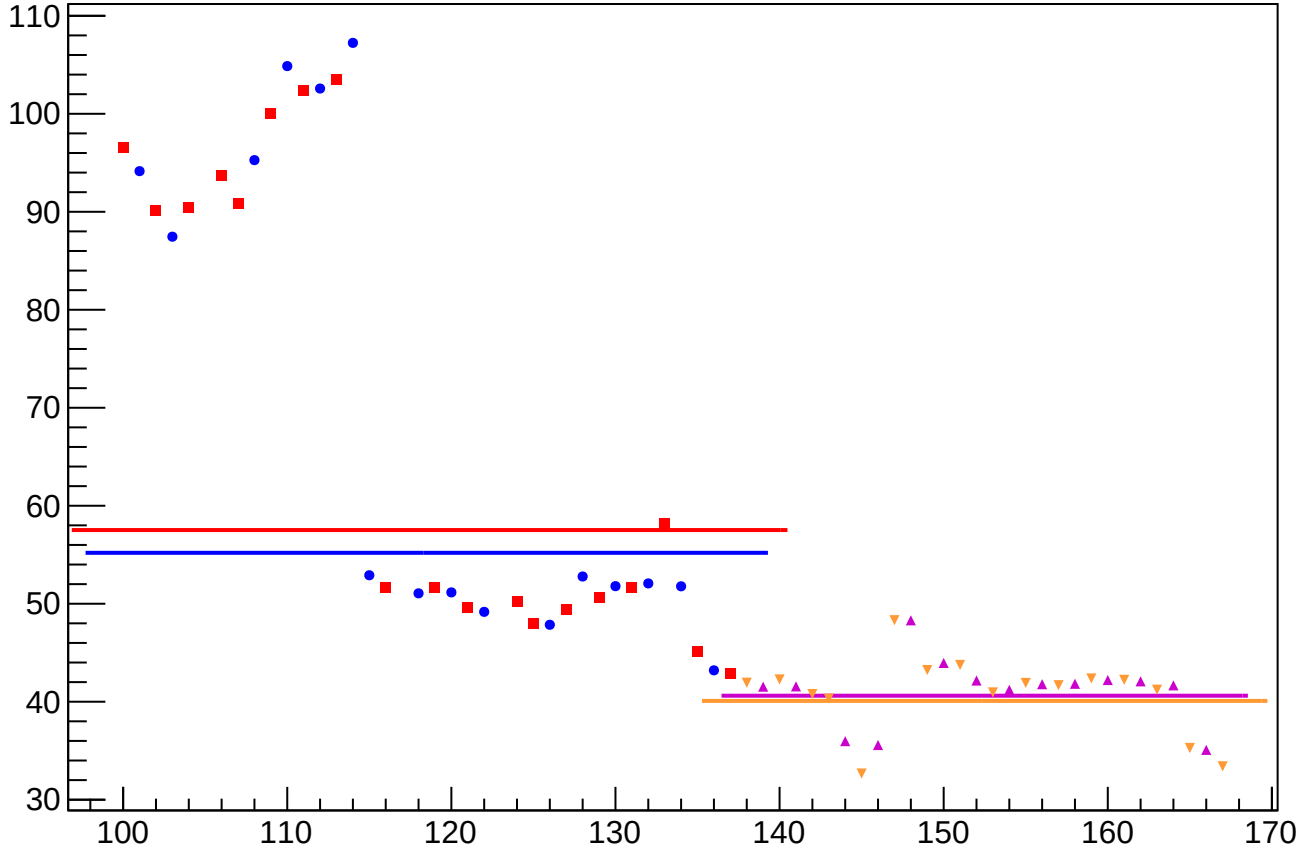
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -21.642+/-10.485 χ^2/NDF:41.0/29

Out: 15.237+/-10.092 χ^2/NDF:45.3/34

All: -2.499+/-7.271 χ^2/NDF: 92.7/64

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.084+/-0.008 χ^2/NDF:263965.1/15

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 40.615+/-0.009 χ^2/NDF:158275.2/13

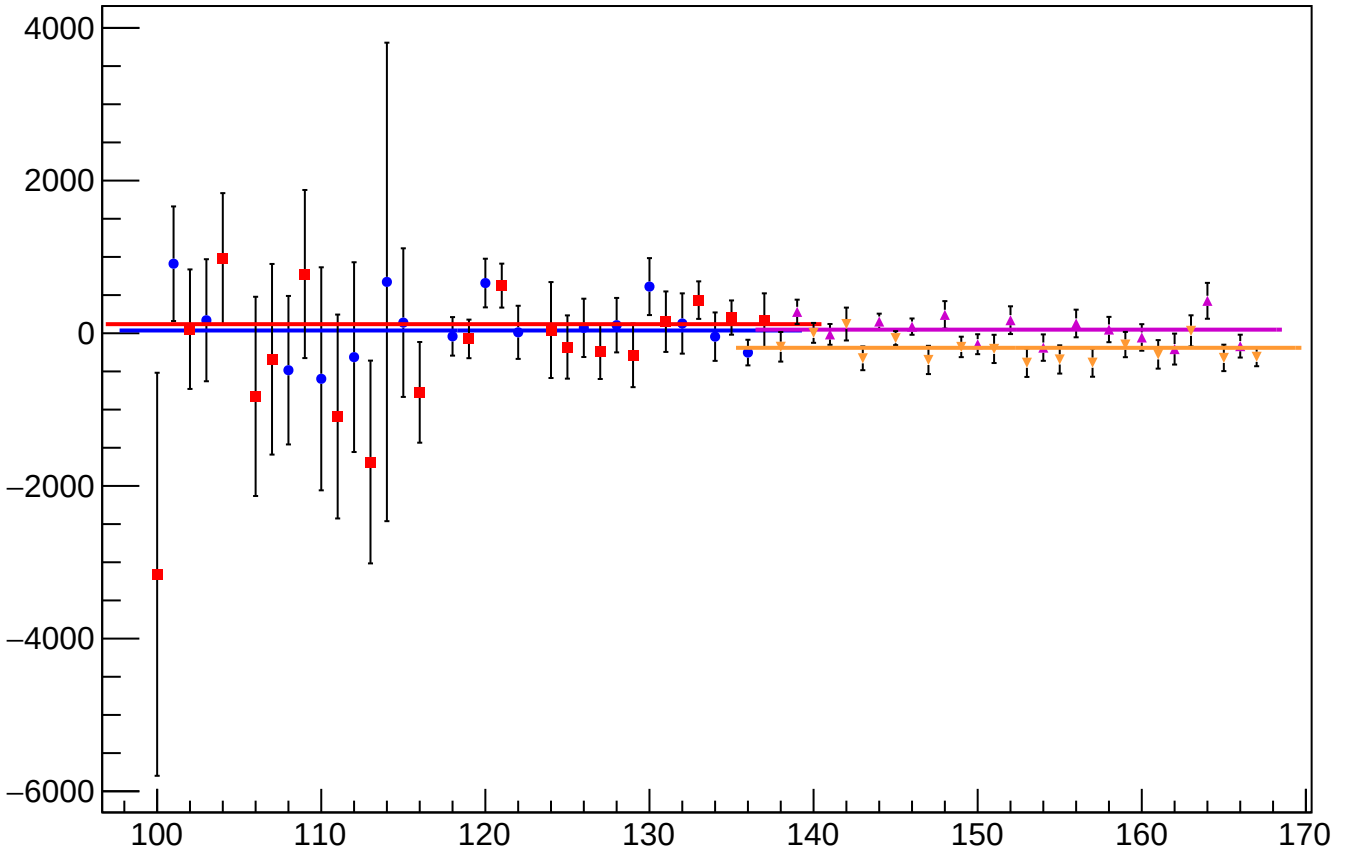
Left: 40.334+/-0.006 χ^2/NDF: 424302.2/29

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 44.104+/-0.007 χ^2/NDF:2015095.5/29

Out: 43.731+/-0.007 χ^2/NDF:2533149.2/34

All: 43.910+/-0.005 χ^2/NDF: 4549561.2/64



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -190.621+/-38.991 χ^2/NDF:13.7/15

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 47.277+/-40.346 χ^2/NDF:15.9/13

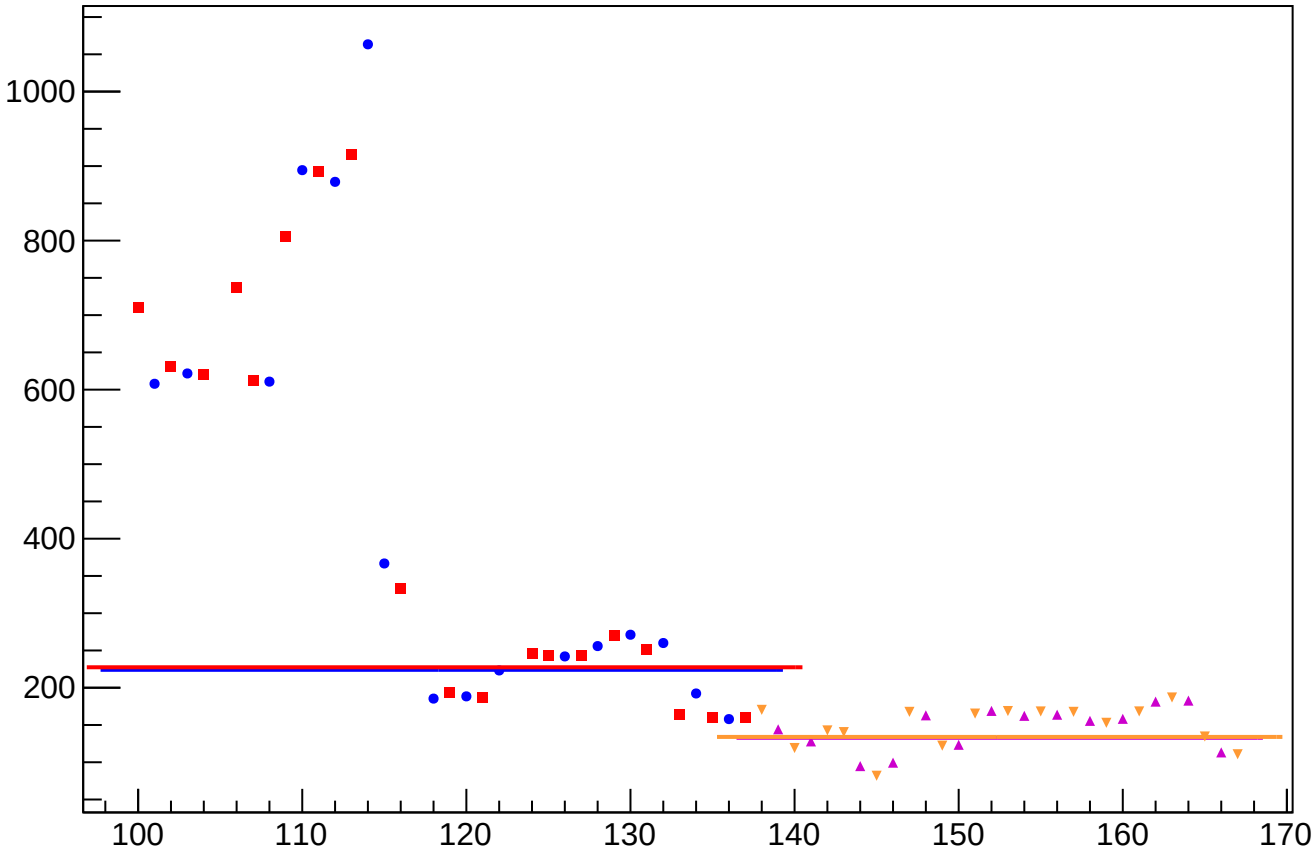
Left: -75.735+/-28.037 χ^2/NDF: 47.6/29

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 45.560+/-37.048 χ^2/NDF:27.3/29

Out: -146.624+/-36.116 χ^2/NDF:38.6/34

All: -52.981+/-25.861 χ^2/NDF: 79.8/64



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 133.989+/-0.028 χ^2/NDF:1392727.2/15

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 132.828+/-0.029 χ^2/NDF:1058708.3/13

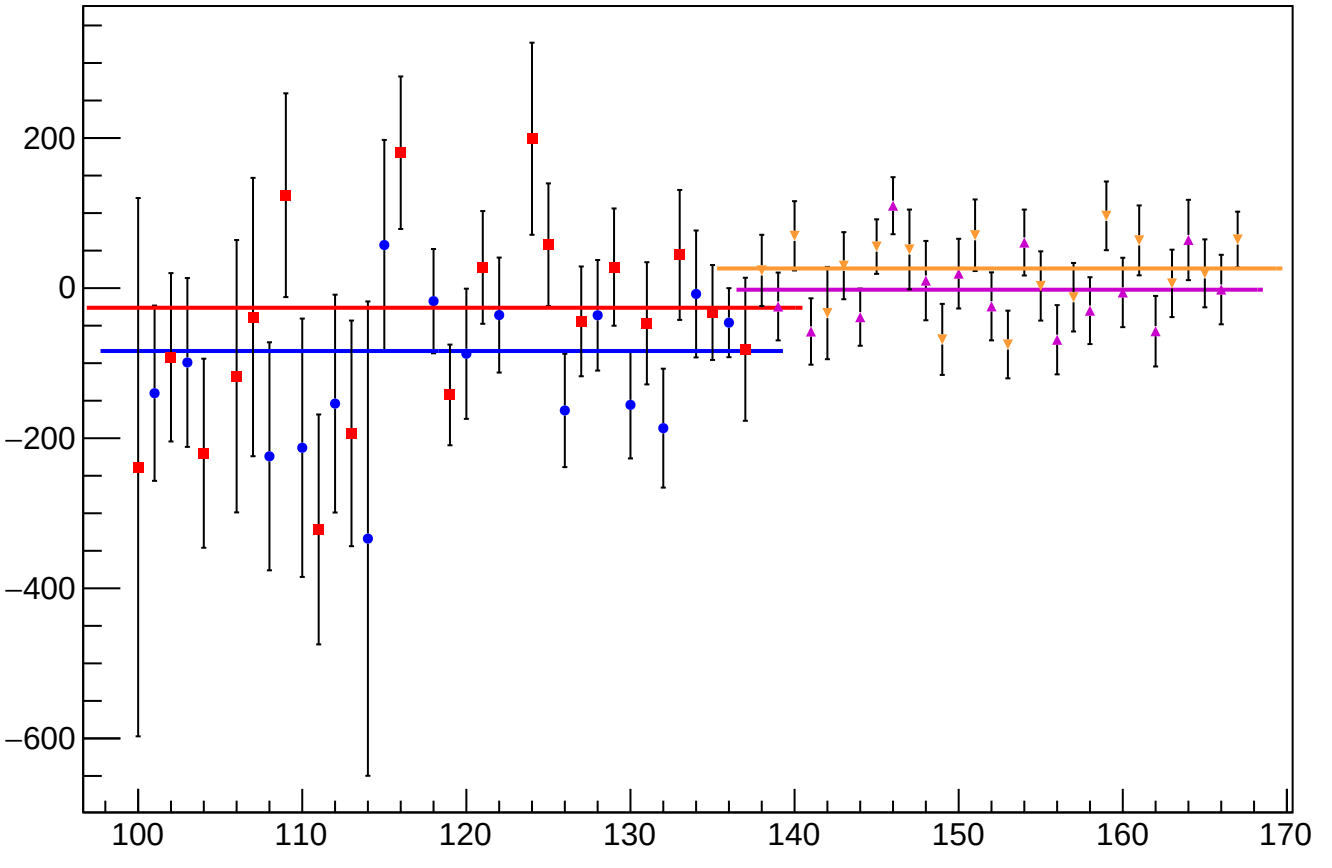
Left: 133.428+/-0.020 χ^2/NDF: 2452291.4/29

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 147.130+/-0.026 χ^2/NDF:5629549.3/29

Out: 147.263+/-0.026 χ^2/NDF:6665443.1/34

All: 147.198+/-0.018 χ^2/NDF: 12295005.6/64



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 26.226+/-11.349 χ^2/NDF:17.9/15

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -2.088+/-12.022 χ^2/NDF:19.4/13

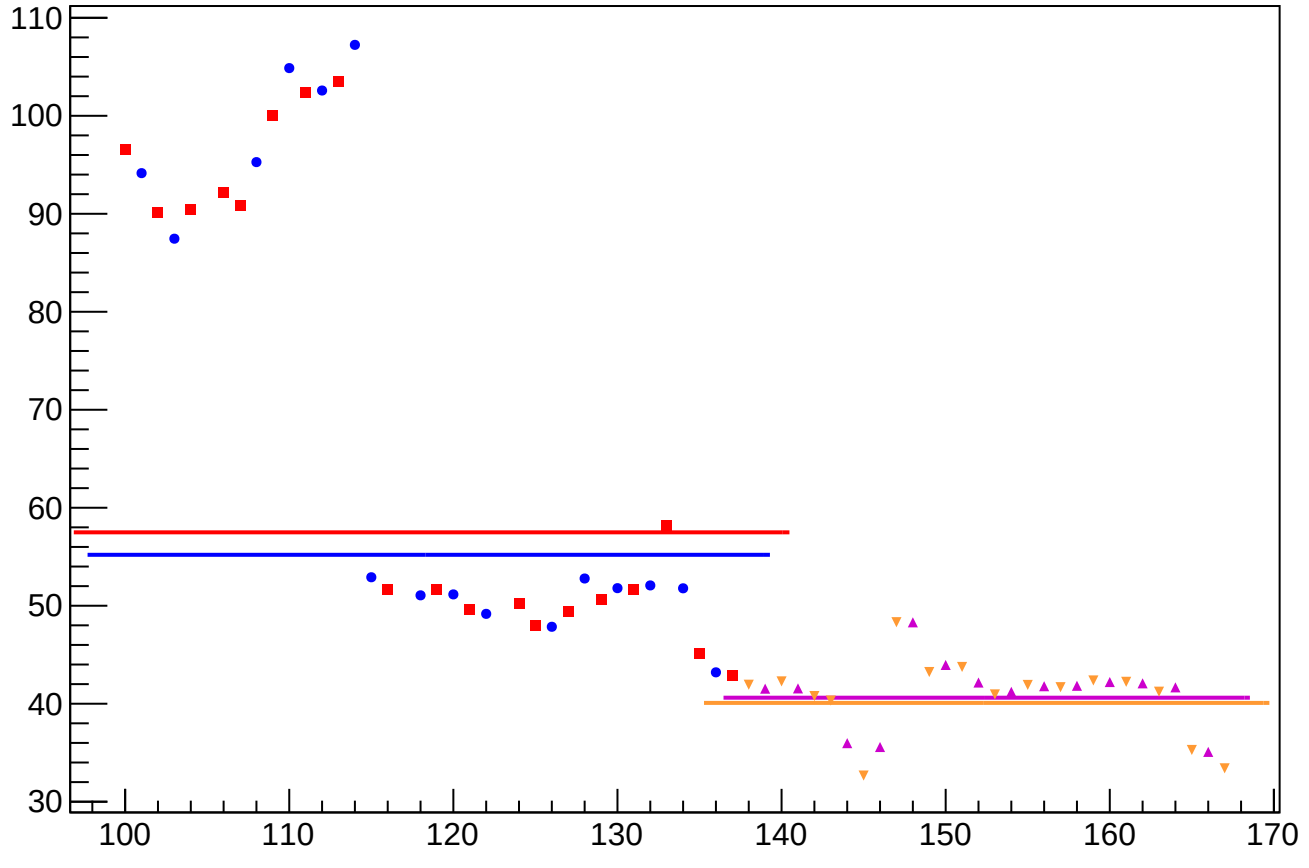
Left: 12.883+/-8.252 χ^2/NDF: 40.2/29

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -21.642+/-10.485 χ^2/NDF:41.0/29

Out: 15.273+/-10.093 χ^2/NDF:45.2/34

All: -2.480+/-7.271 χ^2/NDF: 92.6/64



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.084+/-0.008 χ^2/NDF:263965.1/15

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.615+/-0.009 χ^2/NDF:158275.3/13

Left: 40.334+/-0.006 χ^2/NDF: 424302.2/29

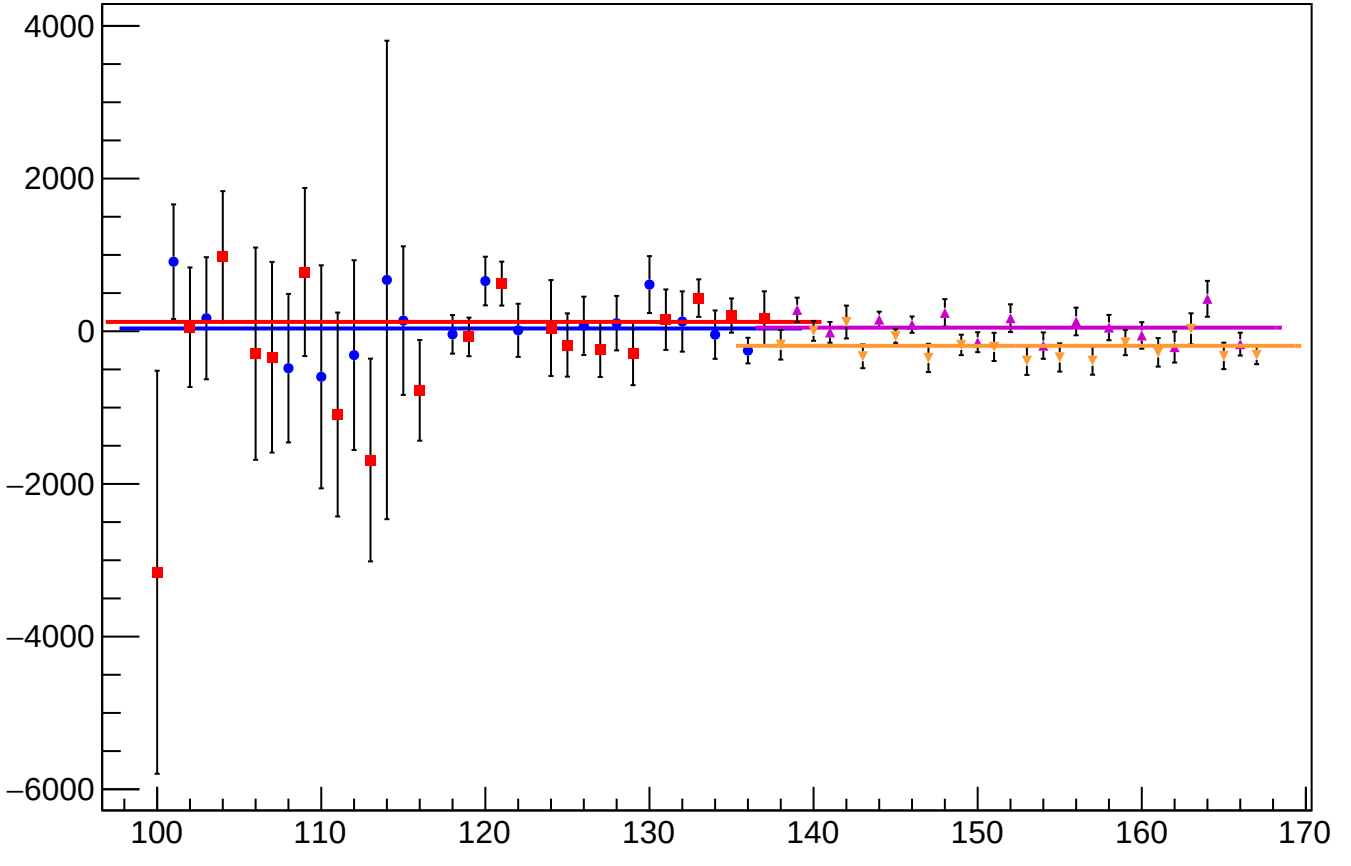
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.104+/-0.007 χ^2/NDF:2015095.7/29

Out: 43.724+/-0.007 χ^2/NDF:2522326.5/34

All: 43.907+/-0.005 χ^2/NDF: 4538785.6/64

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -190.622+/-38.991 χ^2/NDF:13.7/15

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 47.277+/-40.346 χ^2/NDF:15.9/13

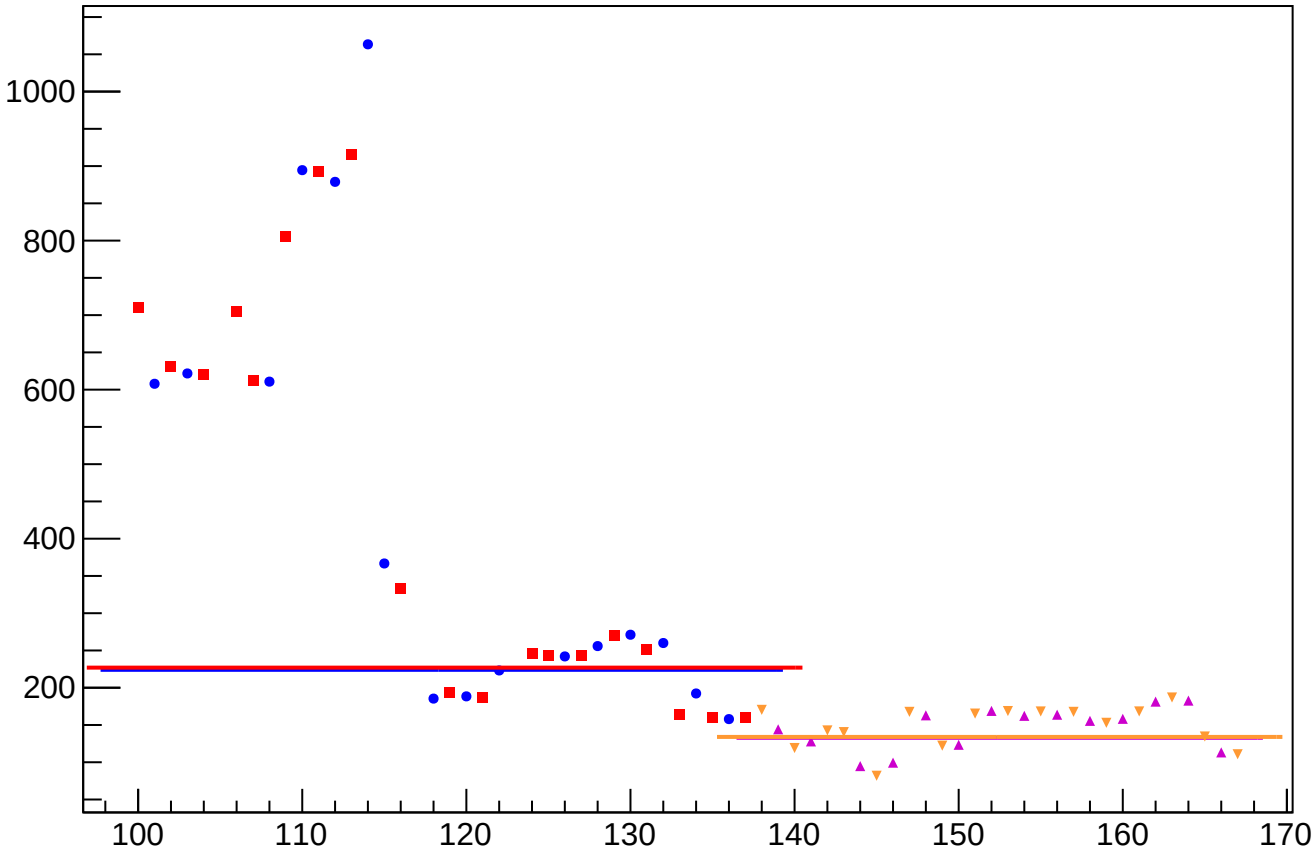
Left: -75.736+/-28.037 χ^2/NDF: 47.6/29

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 45.560+/-37.048 χ^2/NDF:27.3/29

Out: -146.206+/-36.117 χ^2/NDF:38.4/34

All: -52.762+/-25.862 χ^2/NDF: 79.5/64



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 133.989+/-0.028 χ^2/NDF:1392730.3/15

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 132.828+/-0.029 χ^2/NDF:1058711.7/13

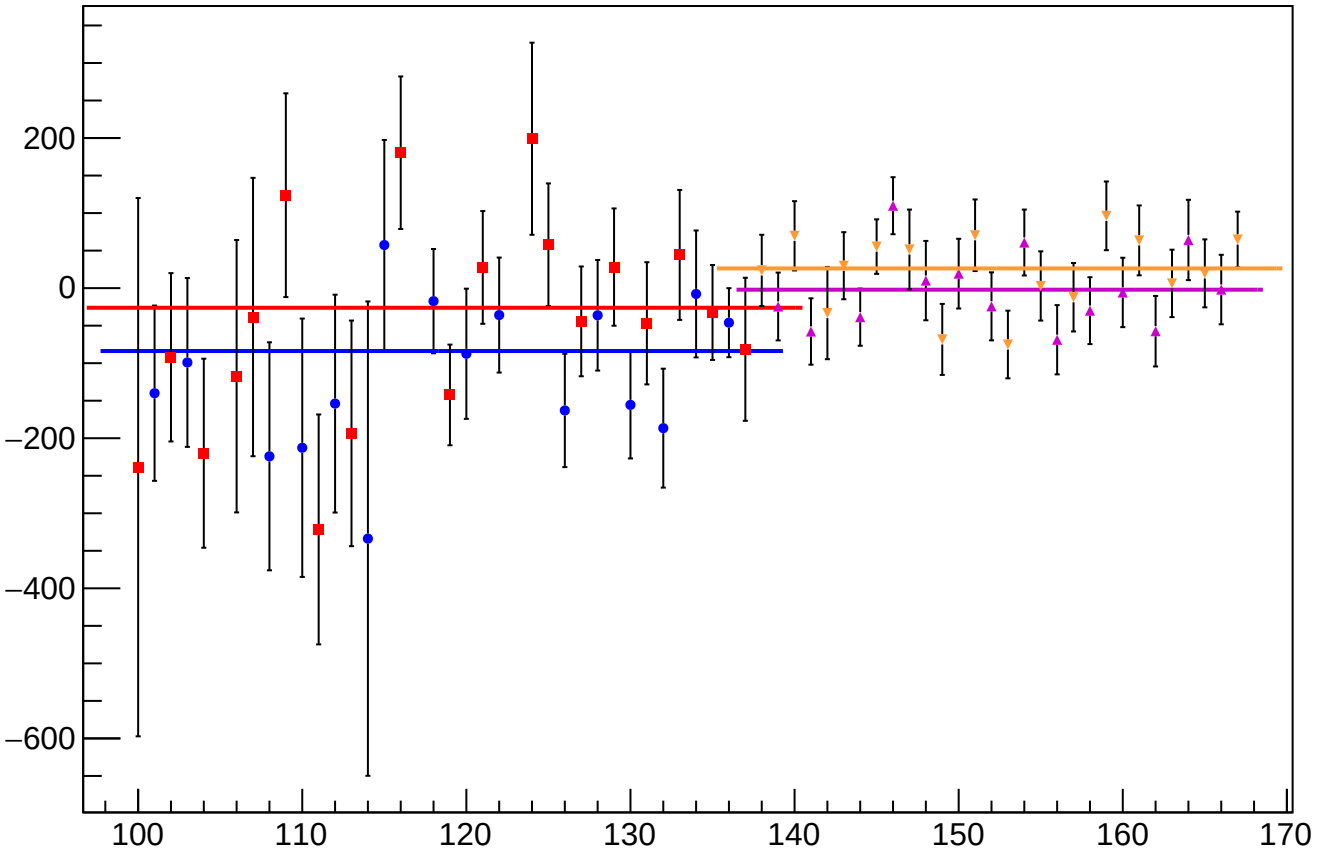
Left: 133.428+/-0.020 χ^2/NDF: 2452297.9/29

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 147.130+/-0.026 χ^2/NDF:5629562.9/29

Out: 147.187+/-0.026 χ^2/NDF:6579138.4/34

All: 147.159+/-0.018 χ^2/NDF: 12208703.7/64



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 26.226+/-11.349 χ^2/NDF:17.9/15

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -2.088+/-12.022 χ^2/NDF:19.4/13

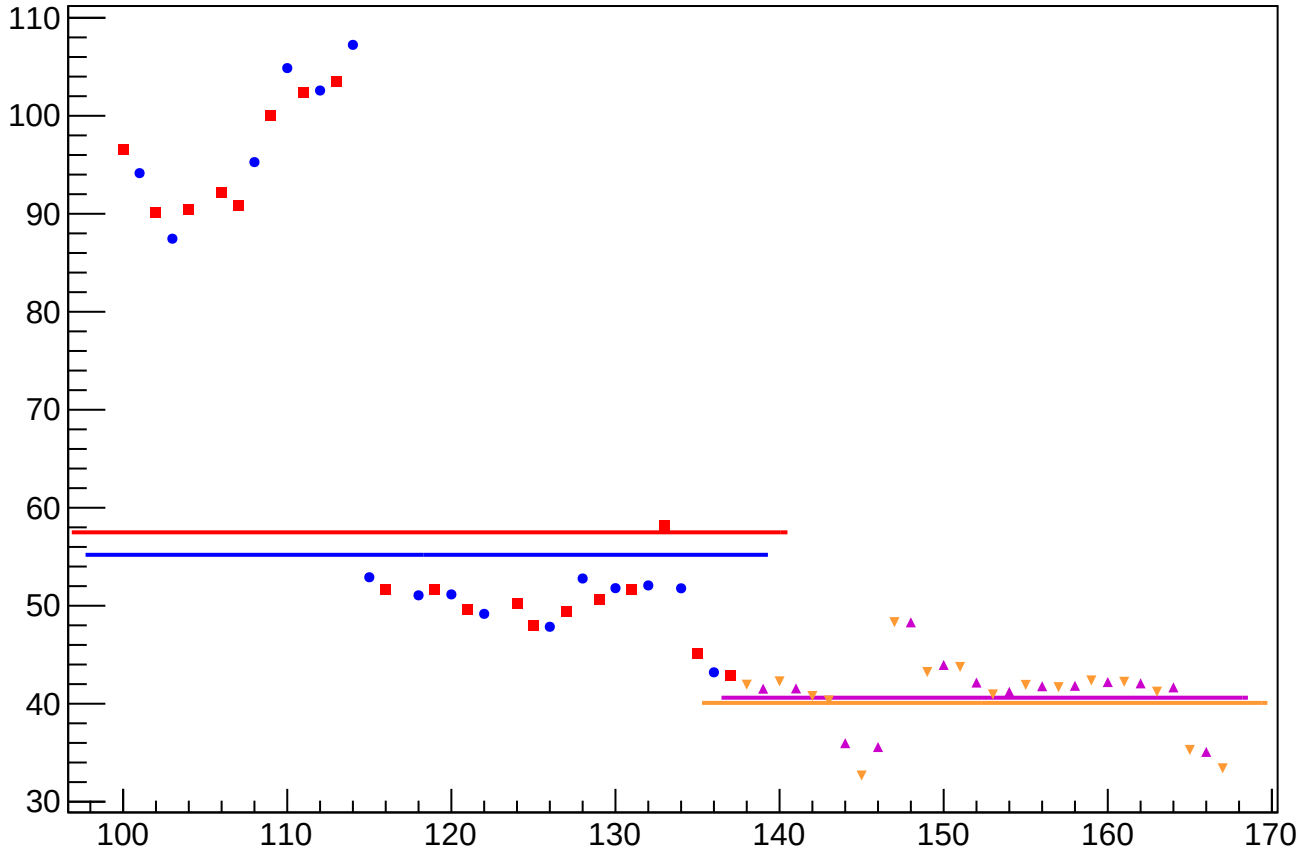
Left: 12.883+/-8.252 χ^2/NDF: 40.2/29

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -21.642+/-10.485 χ^2/NDF:41.0/29

Out: 15.273+/-10.093 χ^2/NDF:45.2/34

All: -2.480+/-7.271 χ^2/NDF: 92.6/64



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.084+/-0.008 χ^2/NDF:263965.1/15

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.615+/-0.009 χ^2/NDF:158275.3/13

Left: 40.334+/-0.006 χ^2/NDF: 424302.2/29

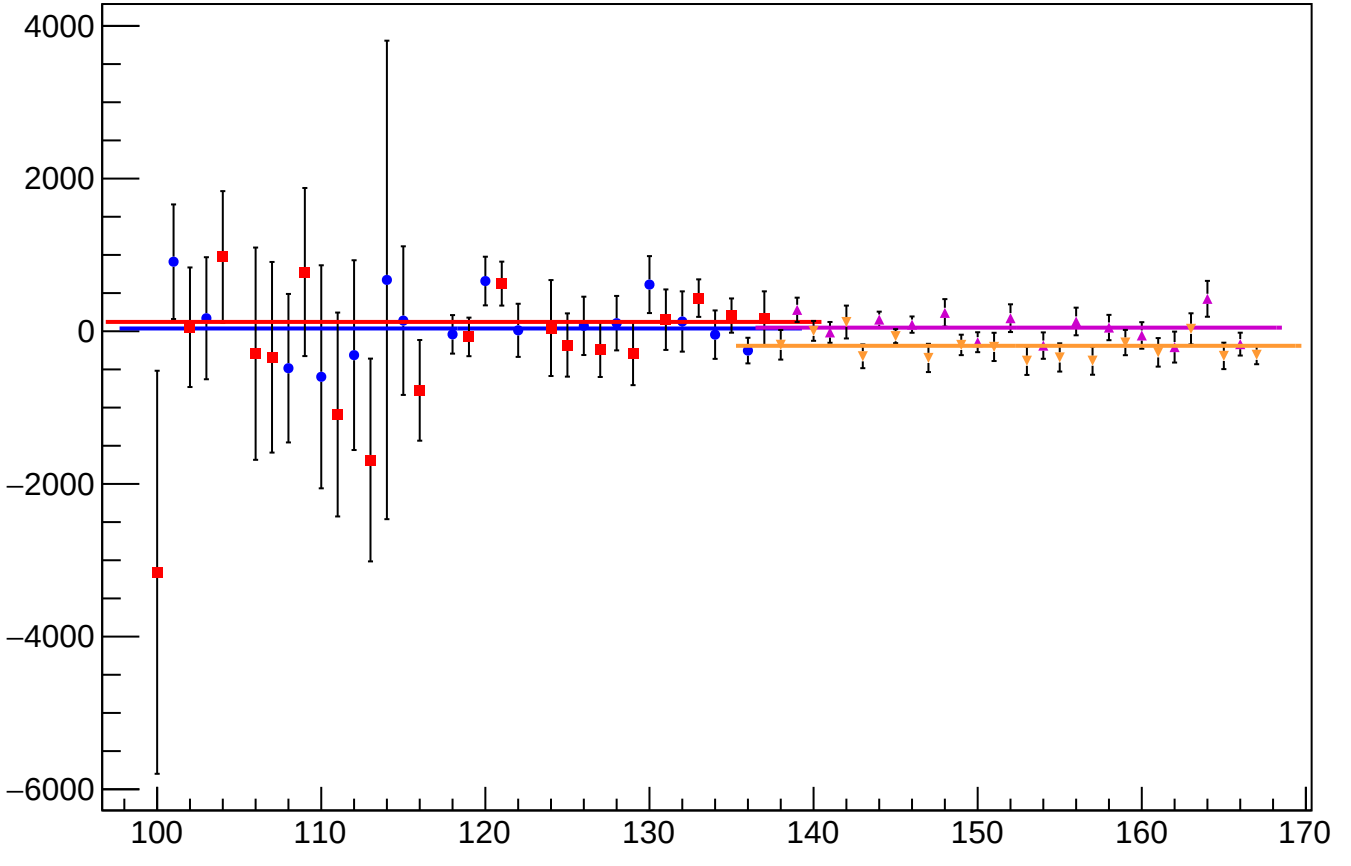
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.104+/-0.007 χ^2/NDF:2015095.7/29

Out: 43.724+/-0.007 χ^2/NDF:2522326.5/34

All: 43.907+/-0.005 χ^2/NDF: 4538785.6/64

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -190.622+/-38.991 χ^2/NDF:13.7/15

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 47.277+/-40.346 χ^2/NDF:15.9/13

Left: -75.736+/-28.037 χ^2/NDF: 47.6/29

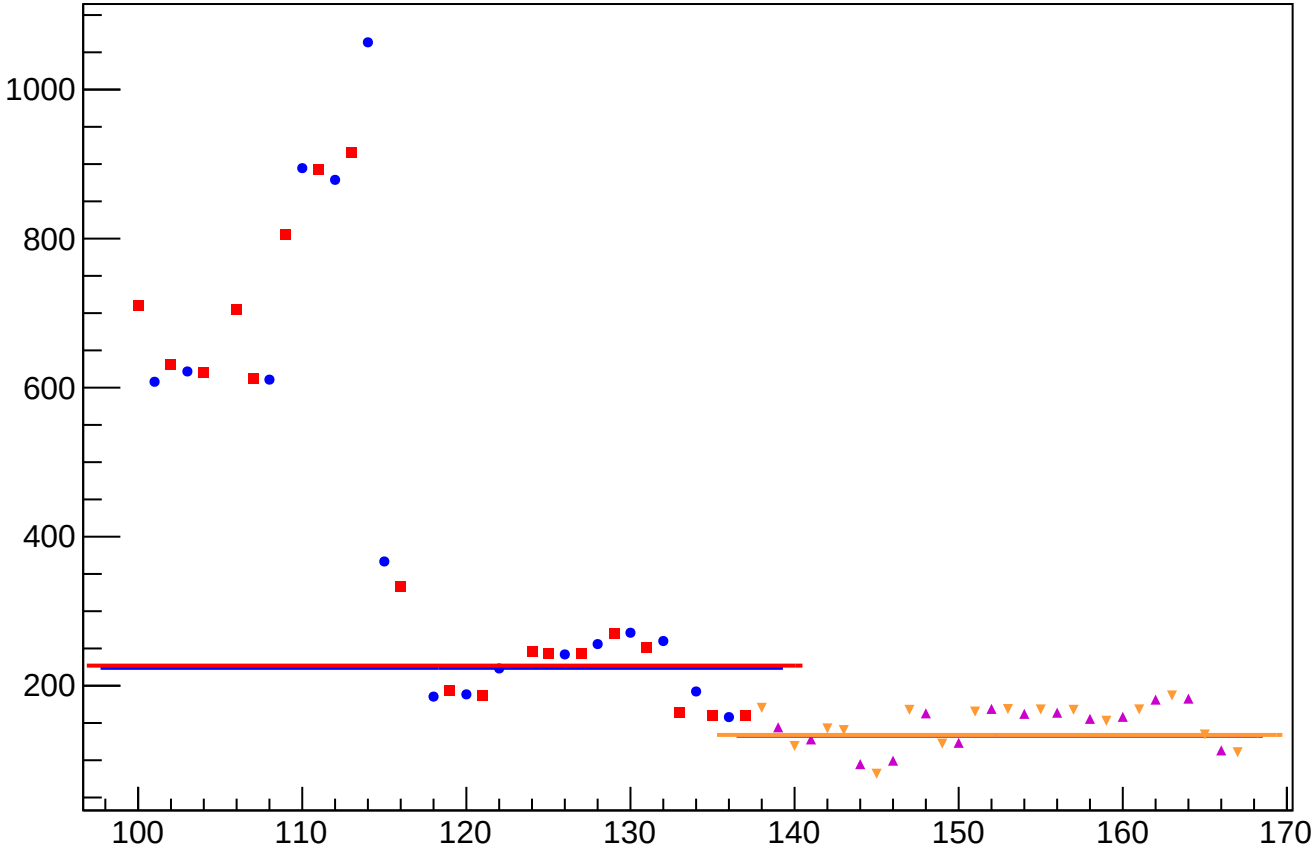
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 45.560+/-37.048 χ^2/NDF:27.3/29

Out: -146.206+/-36.117 χ^2/NDF:38.4/34

All: -52.762+/-25.862 χ^2/NDF: 79.5/64

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 133.989+/-0.028 χ^2/NDF:1392730.3/15

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 132.828+/-0.029 χ^2/NDF:1058711.7/13

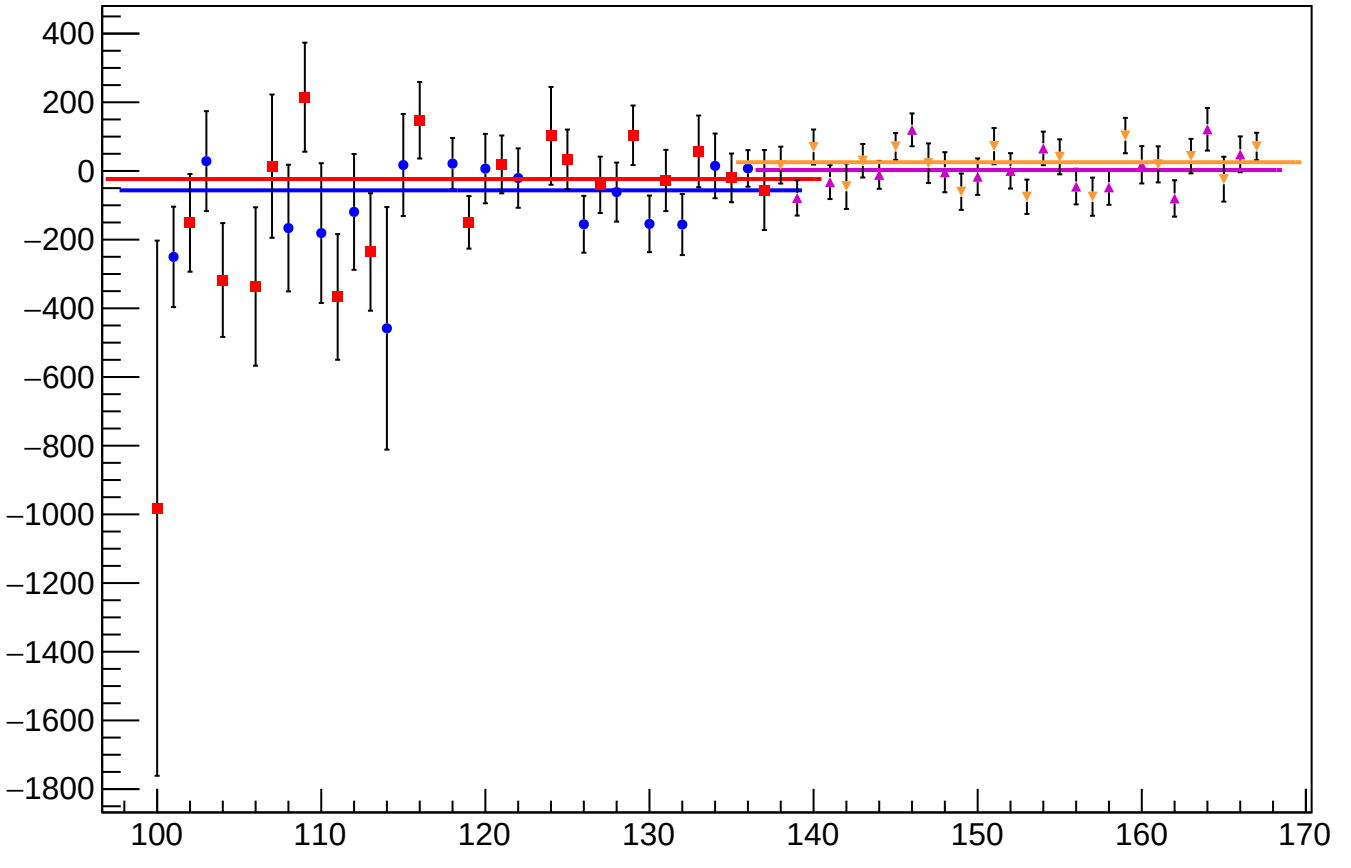
Left: 133.428+/-0.020 χ^2/NDF: 2452297.9/29

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 147.130+/-0.026 χ^2/NDF:5629562.9/29

Out: 147.187+/-0.026 χ^2/NDF:6579138.4/34

All: 147.159+/-0.018 χ^2/NDF: 12208703.7/64



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.397+/-12.743 χ^2/NDF:18.4/15

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 2.771+/-13.667 χ^2/NDF:19.7/13

Left: 14.875+/-9.320 χ^2/NDF: 39.6/29

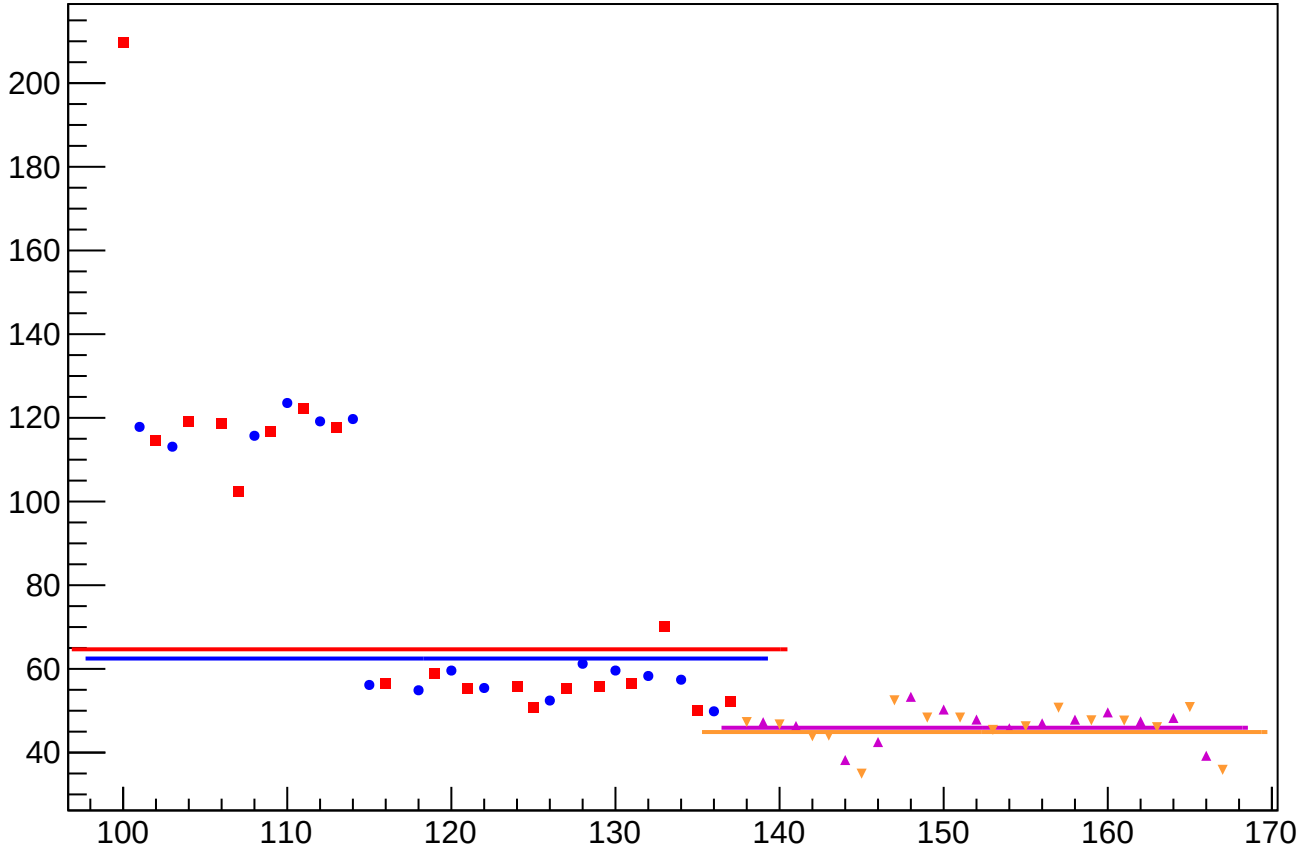
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -11.285+/-11.934 χ^2/NDF:36.4/29

Out: 15.416+/-11.368 χ^2/NDF:45.5/34

All: 2.714+/-8.231 χ^2/NDF: 84.5/64

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 44.907+/-0.009 χ^2/NDF:344086.8/15

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 45.934+/-0.010 χ^2/NDF:182389.8/13

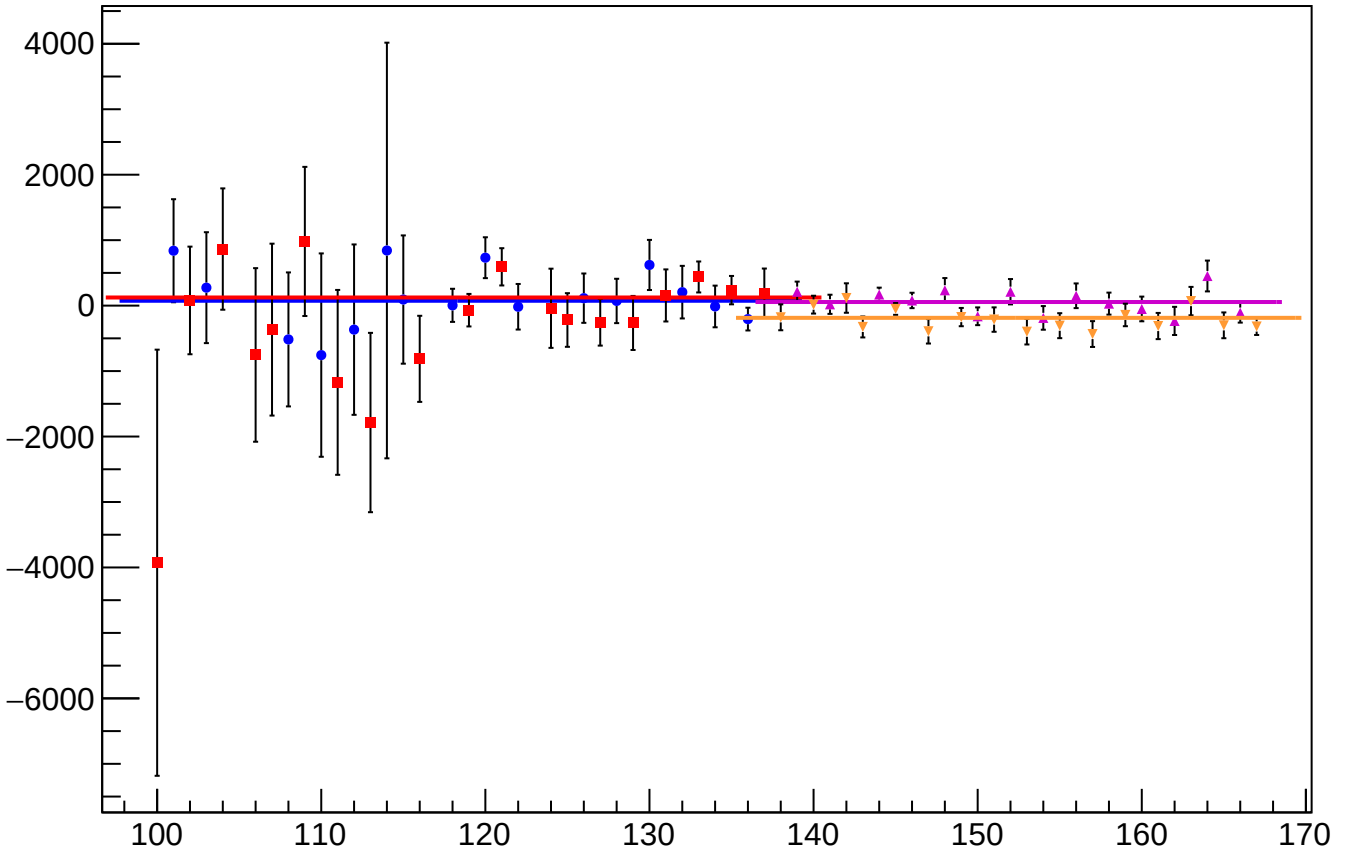
Left: 45.385+/-0.007 χ^2/NDF: 532522.5/29

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 49.863+/-0.008 χ^2/NDF:2226268.8/29

Out: 48.944+/-0.008 χ^2/NDF:2917599.4/34

All: 49.381+/-0.006 χ^2/NDF: 5150084.3/64



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -186.676+/-40.303 χ^2/NDF:14.7/15

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 55.050+/-41.983 χ^2/NDF:14.7/13

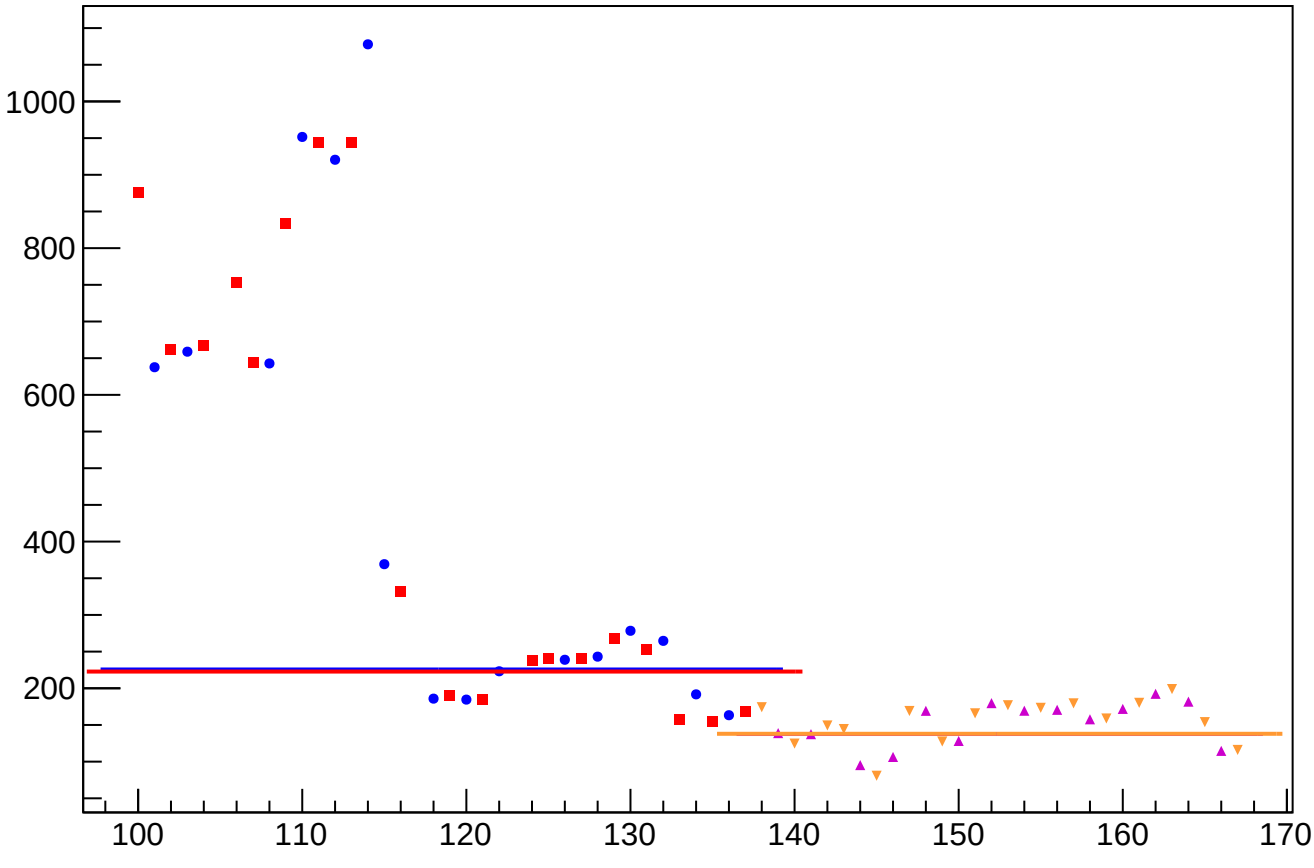
Left: -70.748+/-29.074 χ^2/NDF: 46.6/29

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 58.222+/-38.367 χ^2/NDF:25.9/29

Out: -138.974+/-37.082 χ^2/NDF:40.1/34

All: -43.733+/-26.664 χ^2/NDF: 79.7/64



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 137.954+/-0.028 χ^2/NDF:1597809.0/15

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 137.659+/-0.030 χ^2/NDF:1094645.1/13

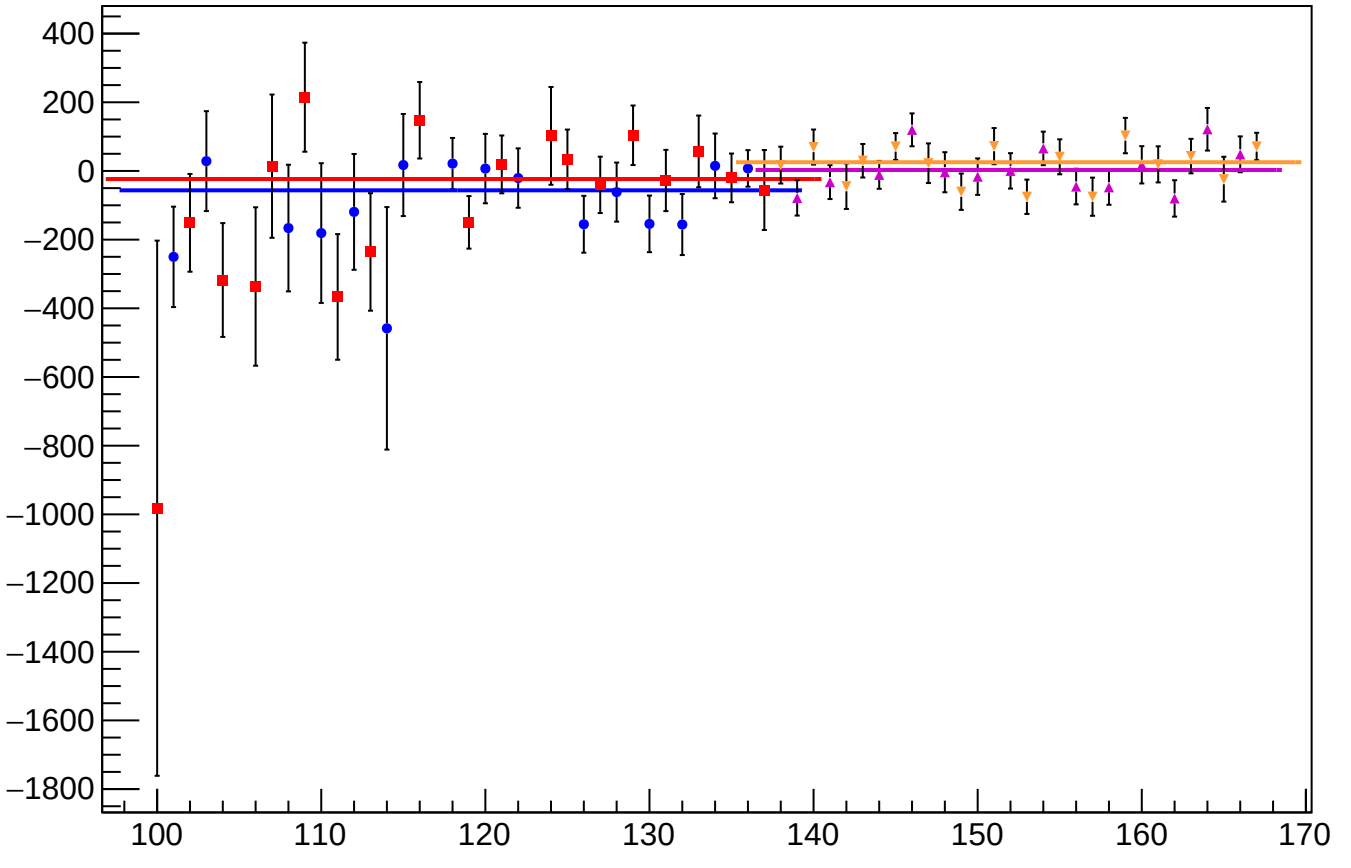
Left: 137.813+/-0.021 χ^2/NDF: 2692505.6/29

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 152.160+/-0.027 χ^2/NDF:5567817.0/29

Out: 150.971+/-0.026 χ^2/NDF:6805597.3/34

All: 151.545+/-0.019 χ^2/NDF: 12374406.6/64



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.398+/-12.743 χ^2/NDF:18.4/15

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 2.772+/-13.667 χ^2/NDF:19.7/13

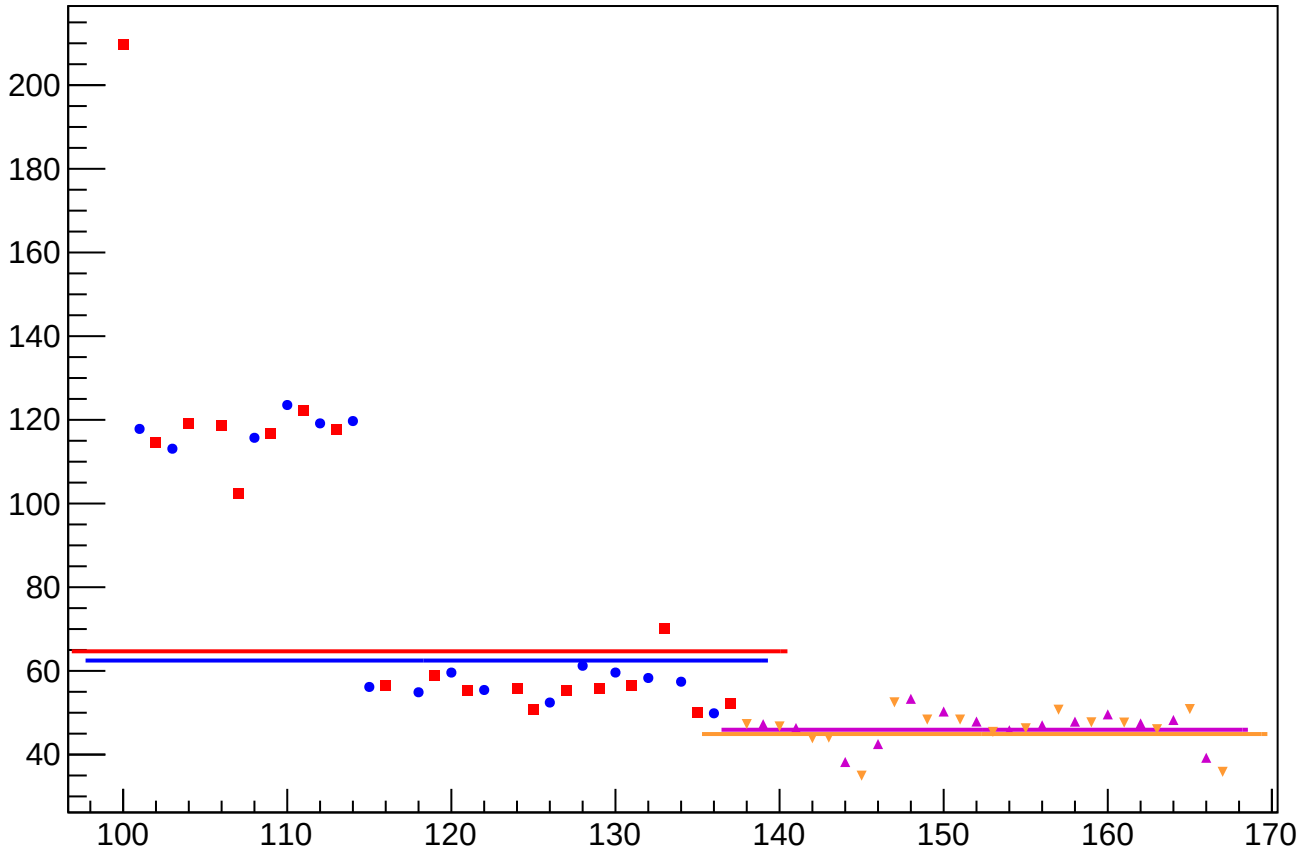
Left: 14.876+/-9.320 χ^2/NDF: 39.6/29

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -11.284+/-11.934 χ^2/NDF:36.4/29

Out: 15.416+/-11.368 χ^2/NDF:45.5/34

All: 2.714+/-8.231 χ^2/NDF: 84.5/64



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.907+/-0.009 χ^2/NDF:344095.0/15

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.935+/-0.010 χ^2/NDF:182391.6/13

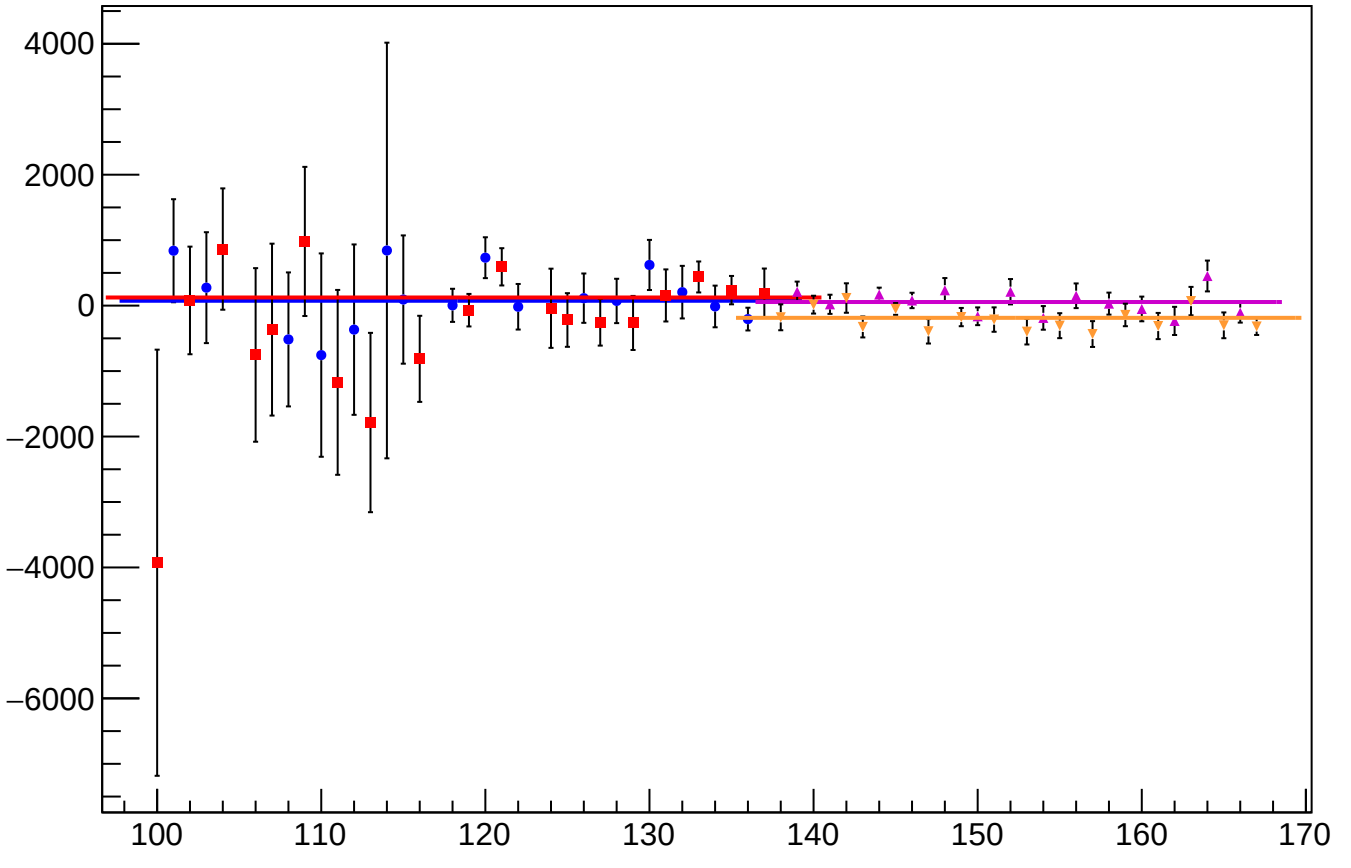
Left: 45.385+/-0.007 χ^2/NDF: 532532.8/29

Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

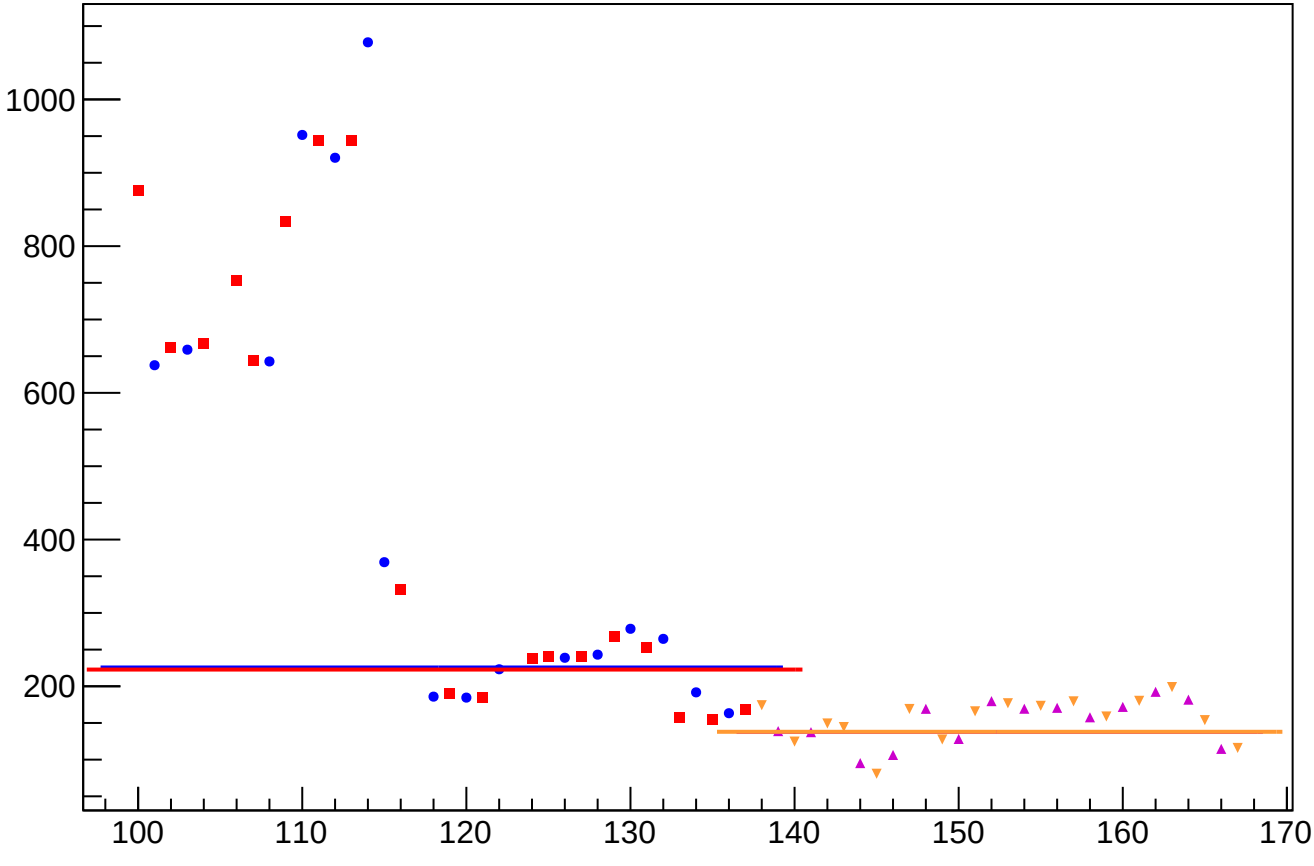
In: 49.863+/-0.008 χ^2/NDF:2226207.8/29

Out: 48.944+/-0.008 χ^2/NDF:2917558.9/34

All: 49.381+/-0.006 χ^2/NDF: 5149982.3/64


asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 74.295+/-94.492 χ²/NDF: 11.2/15
Left Out: -186.676+/-40.303 χ²/NDF:14.7/15
Right Out: 124.199+/-94.666 χ²/NDF: 16.3/18
Left In: 55.050+/-41.983 χ²/NDF:14.7/13
Left: -70.748+/-29.074 χ²/NDF: 46.6/29
Right: 99.201+/-66.877 χ²/NDF: 27.7/34
In: 58.223+/-38.367 χ²/NDF:25.9/29
Out: -138.975+/-37.082 χ²/NDF:40.1/34
All: -43.733+/-26.664 χ²/NDF: 79.7/64

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 137.954+/-0.028 χ^2/NDF:1597801.9/15

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 137.659+/-0.030 χ^2/NDF:1094648.3/13

Left: 137.813+/-0.021 χ^2/NDF: 2692501.6/29

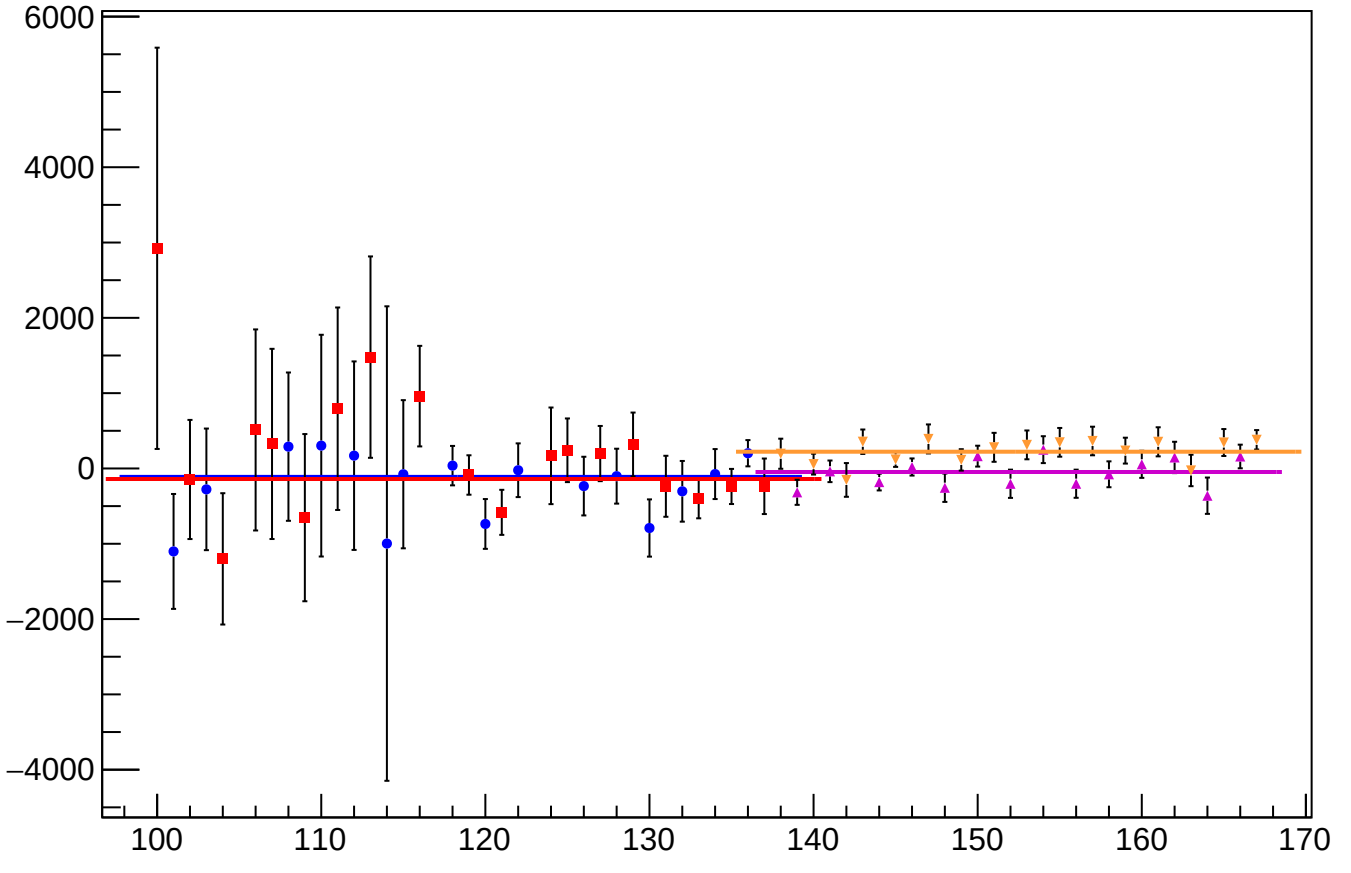
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 152.160+/-0.027 χ^2/NDF:5567803.2/29

Out: 150.971+/-0.026 χ^2/NDF:6805574.7/34

All: 151.545+/-0.019 χ^2/NDF: 12374369.9/64

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 222.371+/-40.858 χ^2/NDF:12.5/15

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -46.962+/-42.350 χ^2/NDF:16.7/13

Left: 92.531+/-29.404 χ^2/NDF: 50.2/29

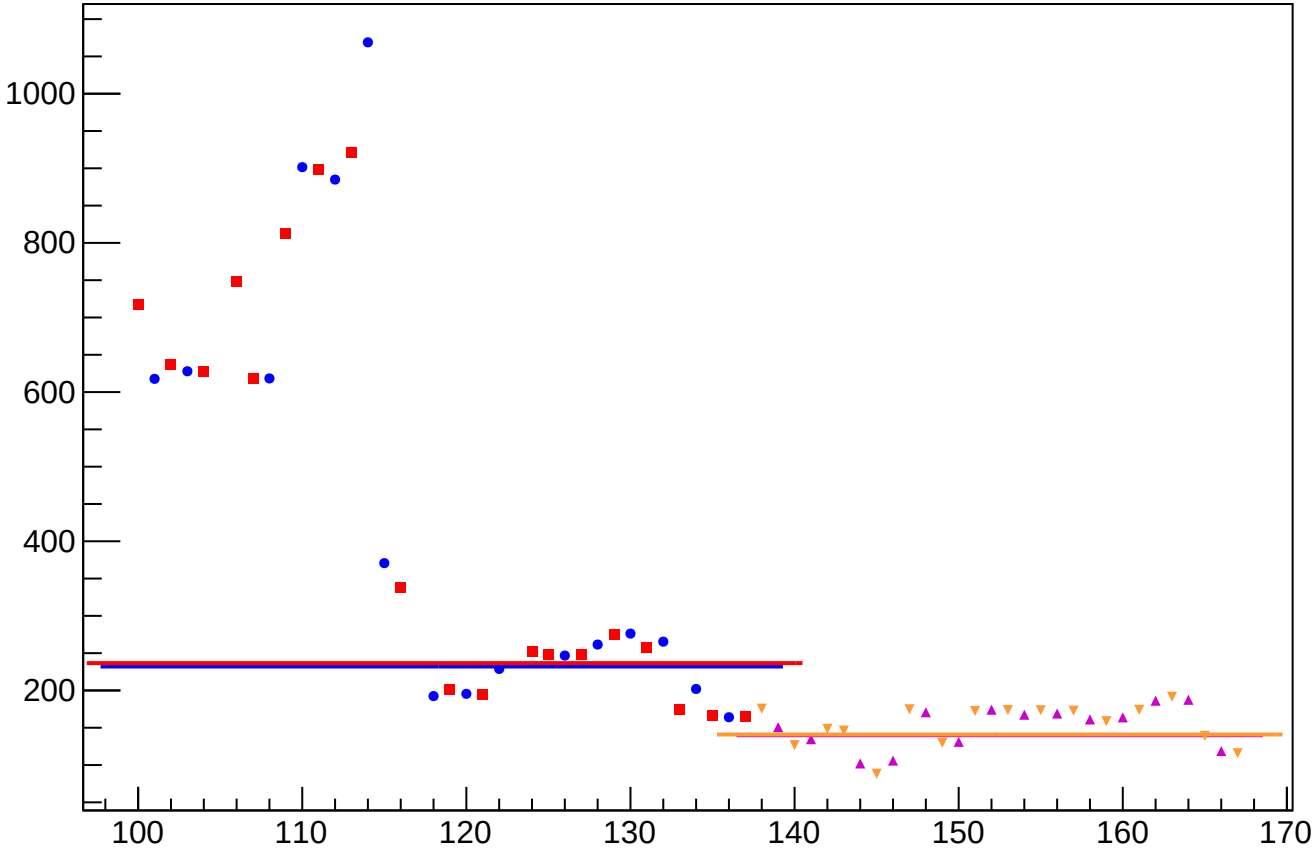
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -57.442+/-38.783 χ^2/NDF:30.0/29

Out: 169.794+/-37.778 χ^2/NDF:38.6/34

All: 59.159+/-27.061 χ^2/NDF: 86.2/64

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 140.984+/-0.029 χ^2/NDF:1227642.8/15

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 139.971+/-0.030 χ^2/NDF:925789.1/13

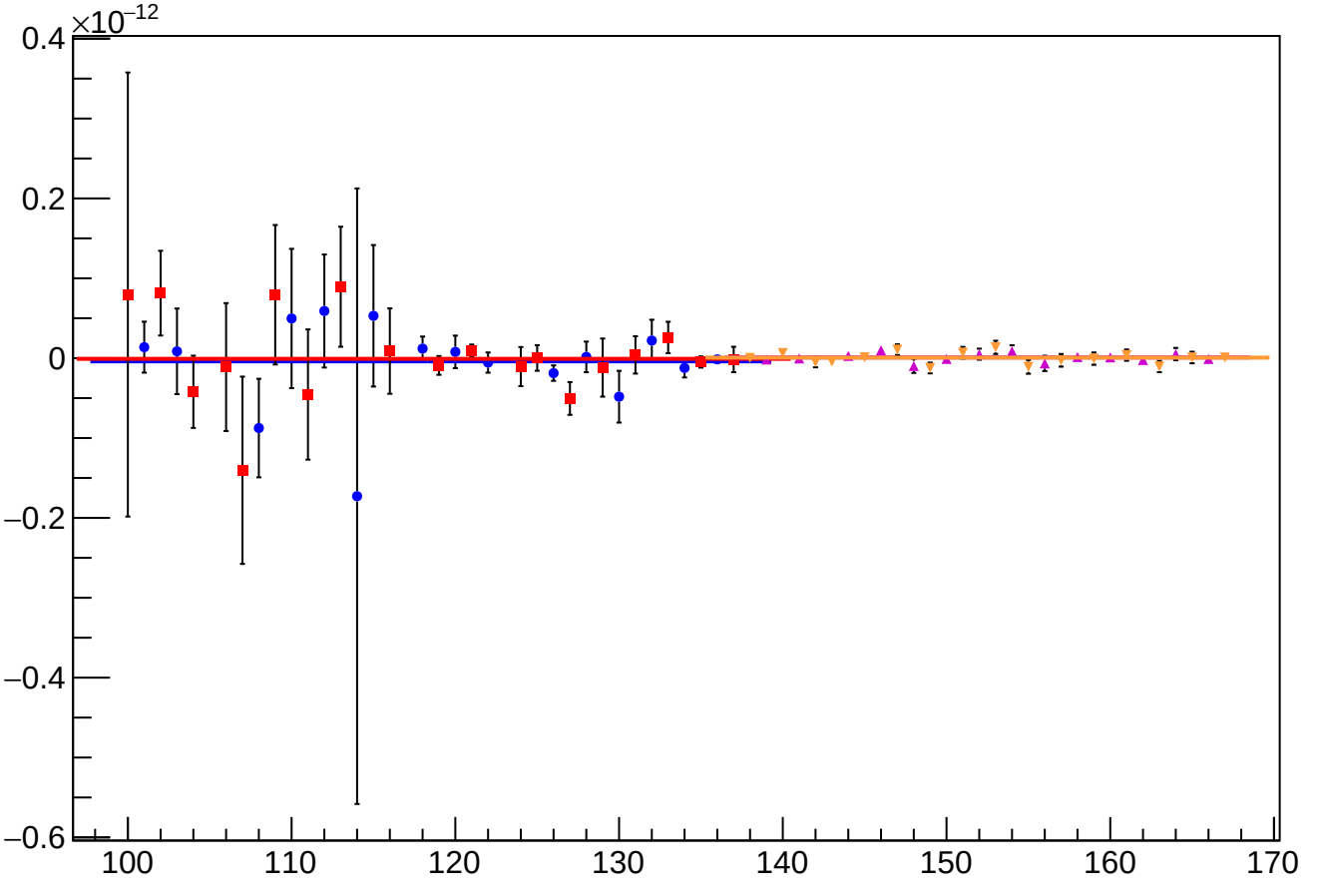
Left: 140.496+/-0.021 χ^2/NDF: 2154024.4/29

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 154.837+/-0.027 χ^2/NDF:5338705.7/29

Out: 154.865+/-0.027 χ^2/NDF:6339546.8/34

All: 154.852+/-0.019 χ^2/NDF: 11678253.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/13

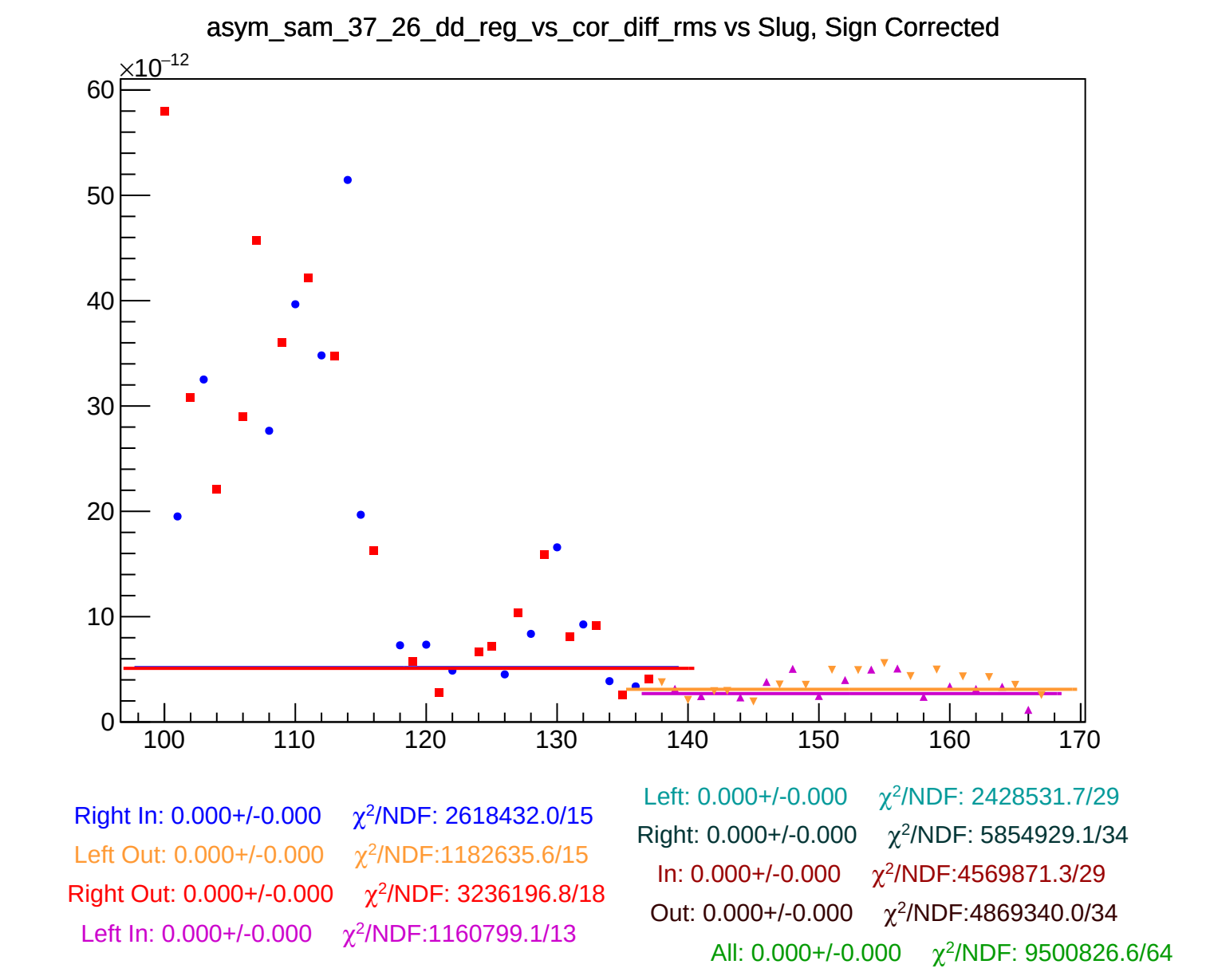
Left: 0.000+/-0.000 χ^2/NDF: 25.4/29

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:20.4/29

Out: 0.000+/-0.000 χ^2/NDF:36.1/34

All: 0.000+/-0.000 χ^2/NDF: 56.6/64


asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
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20
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0
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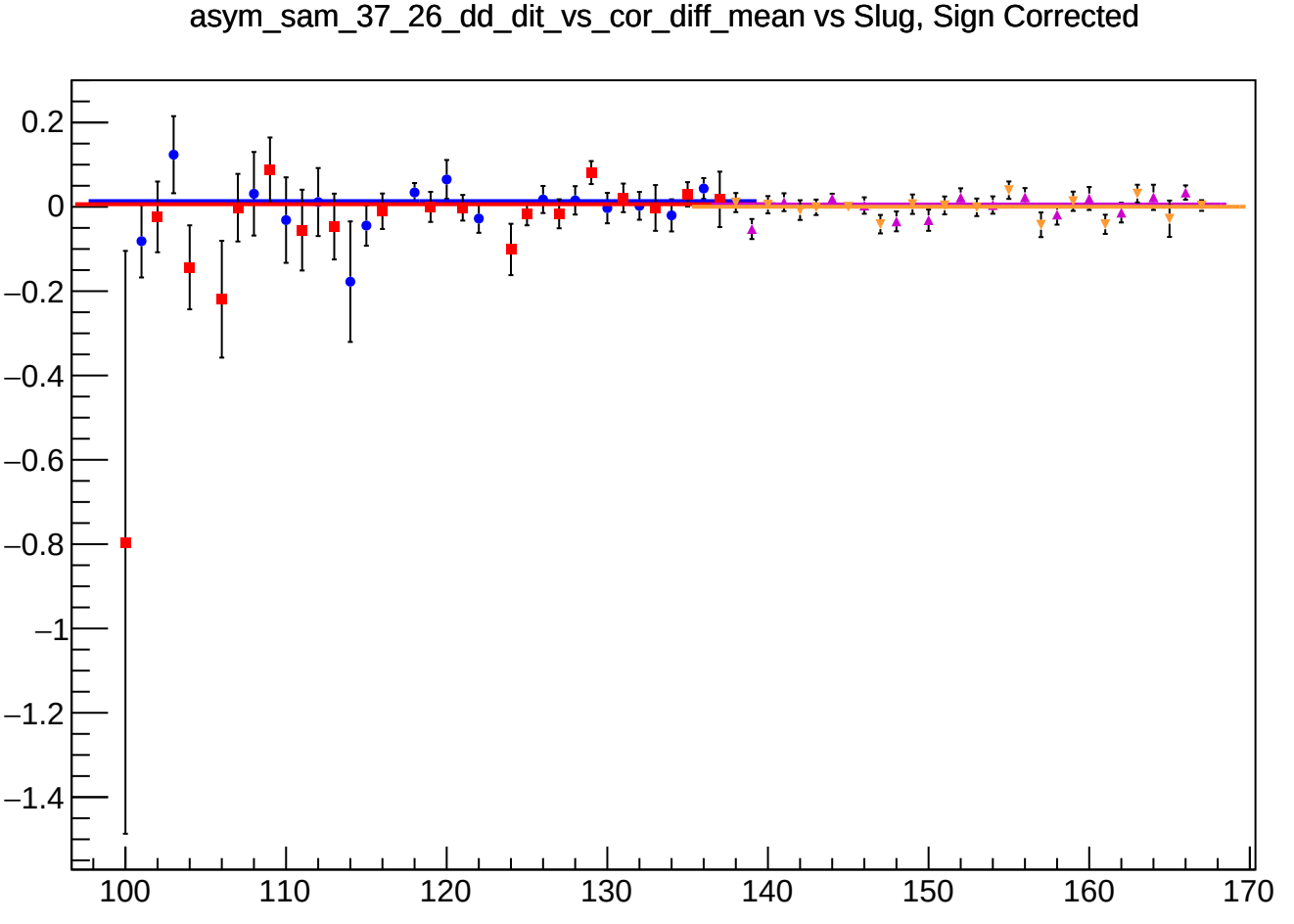
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2618432.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1182635.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:1160799.1/13
Left: 0.000+/-0.000 χ²/NDF: 2428531.7/29
Right: 0.000+/-0.000 χ²/NDF: 5854929.1/34
In: 0.000+/-0.000 χ²/NDF:4569871.3/29
Out: 0.000+/-0.000 χ²/NDF:4869340.0/34
All: 0.000+/-0.000 χ²/NDF: 9500826.6/64



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:16.1/15

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.005+/-0.005 χ^2/NDF:18.7/13

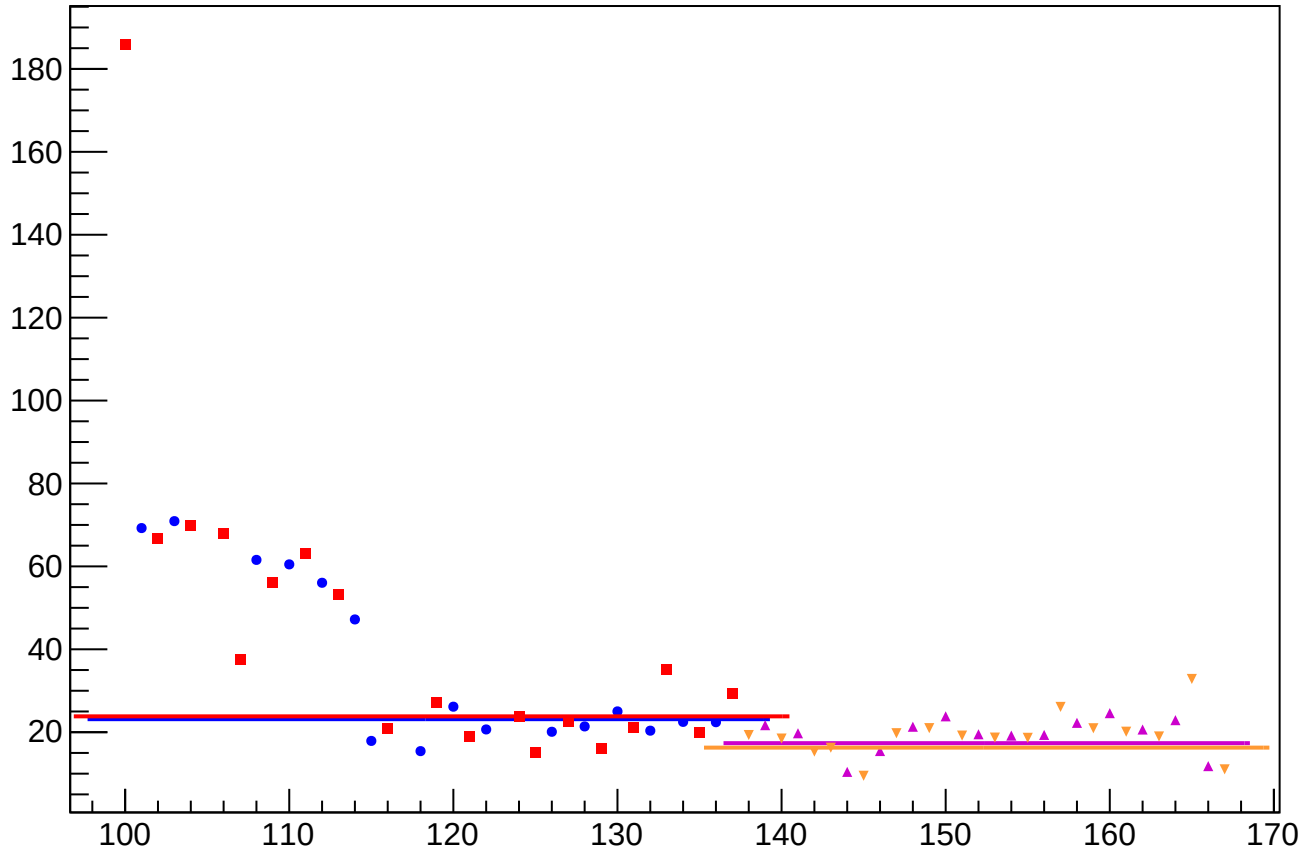
Left: 0.003+/-0.004 χ^2/NDF: 35.4/29

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.007+/-0.005 χ^2/NDF:31.6/29

Out: 0.001+/-0.004 χ^2/NDF:37.9/34

All: 0.004+/-0.003 χ^2/NDF: 70.3/64



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.282+/-0.003 χ^2/NDF:2044238.8/15

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.358+/-0.004 χ^2/NDF:1585882.1/13

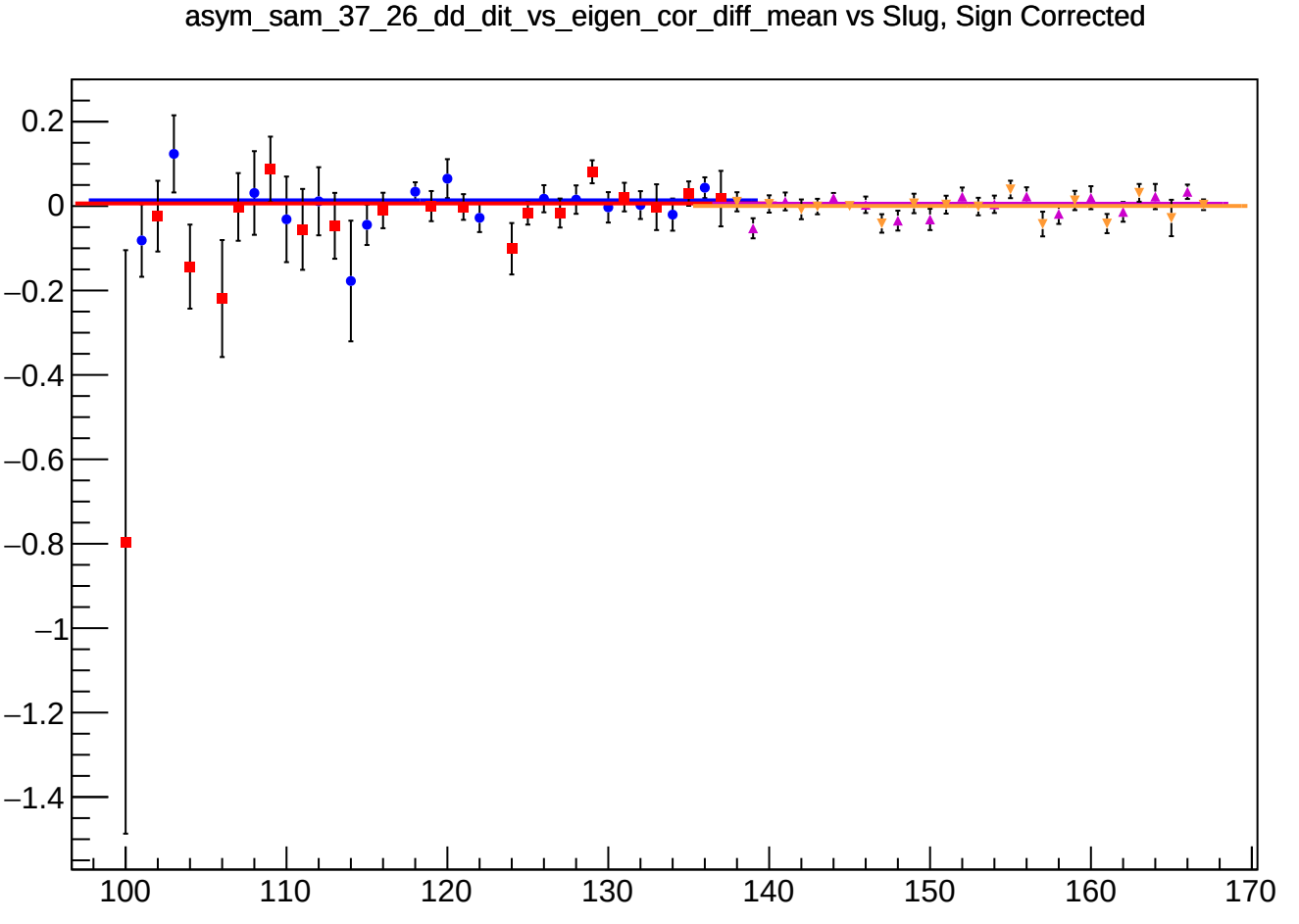
Left: 16.758+/-0.003 χ^2/NDF: 3673020.3/29

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

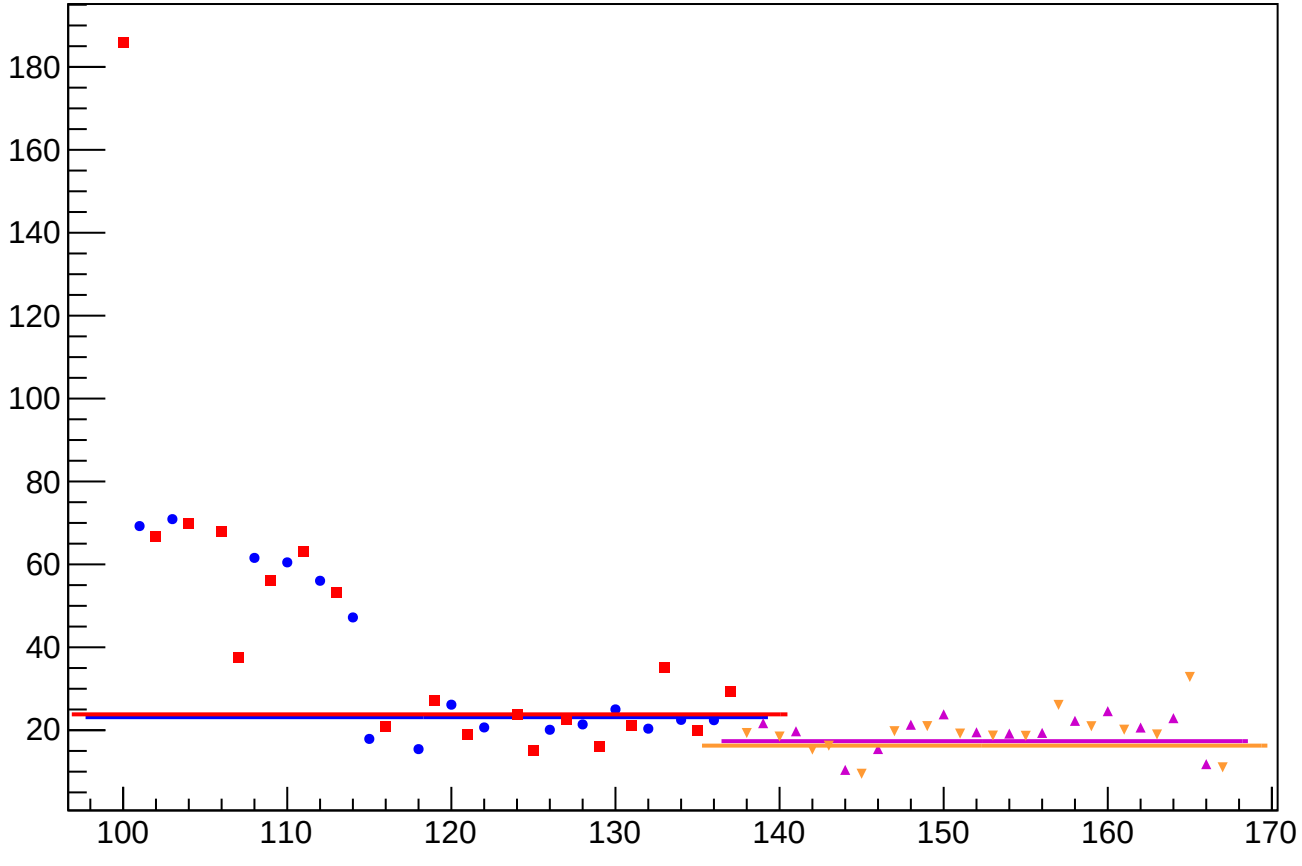
In: 18.728+/-0.003 χ^2/NDF:4519628.3/29

Out: 17.721+/-0.003 χ^2/NDF:5851650.9/34

All: 18.181+/-0.002 χ^2/NDF: 10419232.5/64


asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.005 χ²/NDF:16.1/15
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/18
Left In: 0.005+/-0.005 χ²/NDF:18.7/13
Left: 0.003+/-0.004 χ²/NDF: 35.4/29
Right: 0.010+/-0.007 χ²/NDF: 34.1/34
In: 0.007+/-0.005 χ²/NDF:31.6/29
Out: 0.001+/-0.004 χ²/NDF:37.9/34
All: 0.004+/-0.003 χ²/NDF: 70.3/64

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.282+/-0.003 χ^2/NDF:2044238.8/15

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.358+/-0.004 χ^2/NDF:1585882.1/13

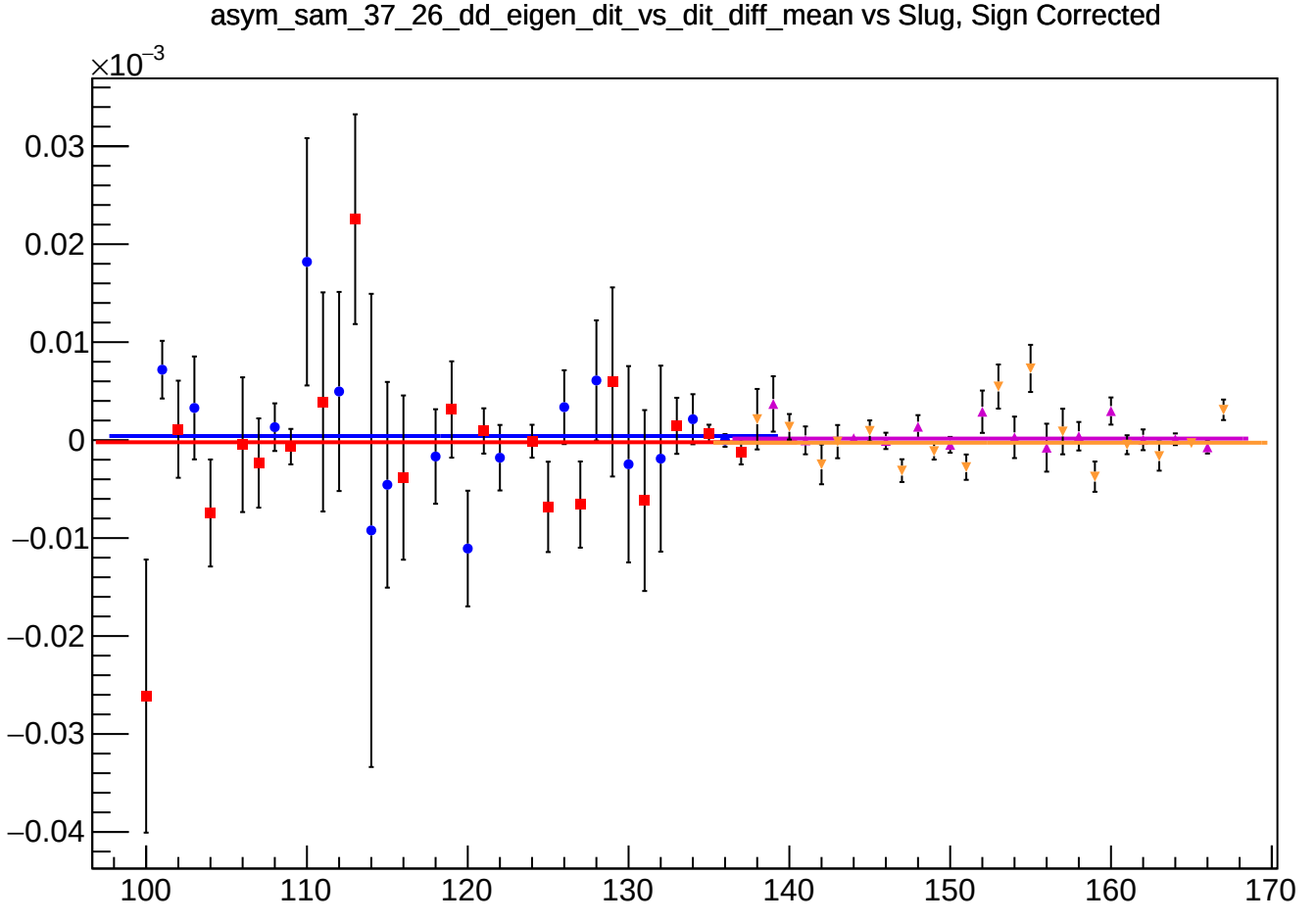
Left: 16.758+/-0.003 χ^2/NDF: 3673020.3/29

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.728+/-0.003 χ^2/NDF:4519628.3/29

Out: 17.721+/-0.003 χ^2/NDF:5851650.9/34

All: 18.181+/-0.002 χ^2/NDF: 10419232.5/64



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/13

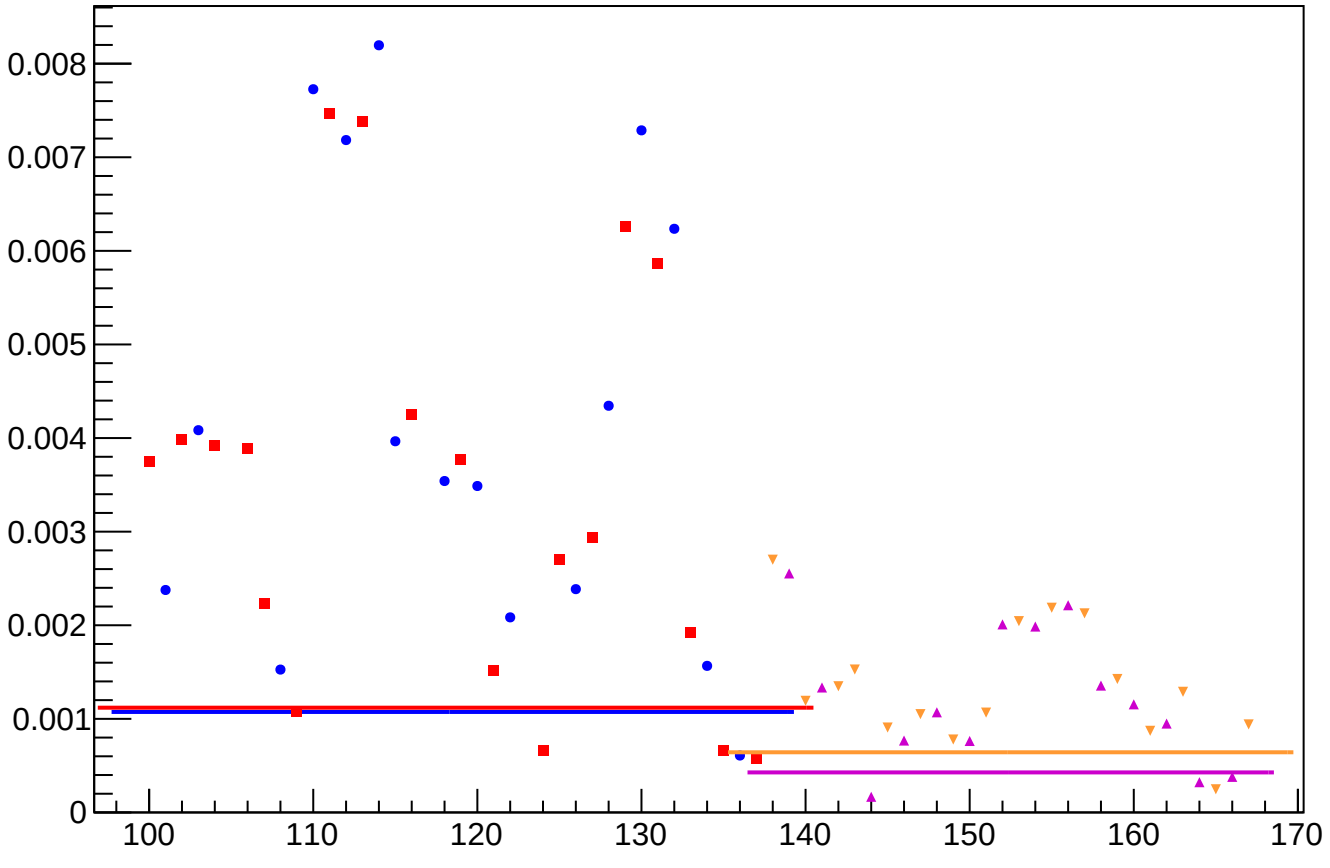
Left: -0.000+/-0.000 χ^2/NDF: 61.4/29

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:26.7/29

Out: -0.000+/-0.000 χ^2/NDF:66.1/34

All: 0.000+/-0.000 χ^2/NDF: 95.3/64



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:9357551.3/15

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10460766.5/13

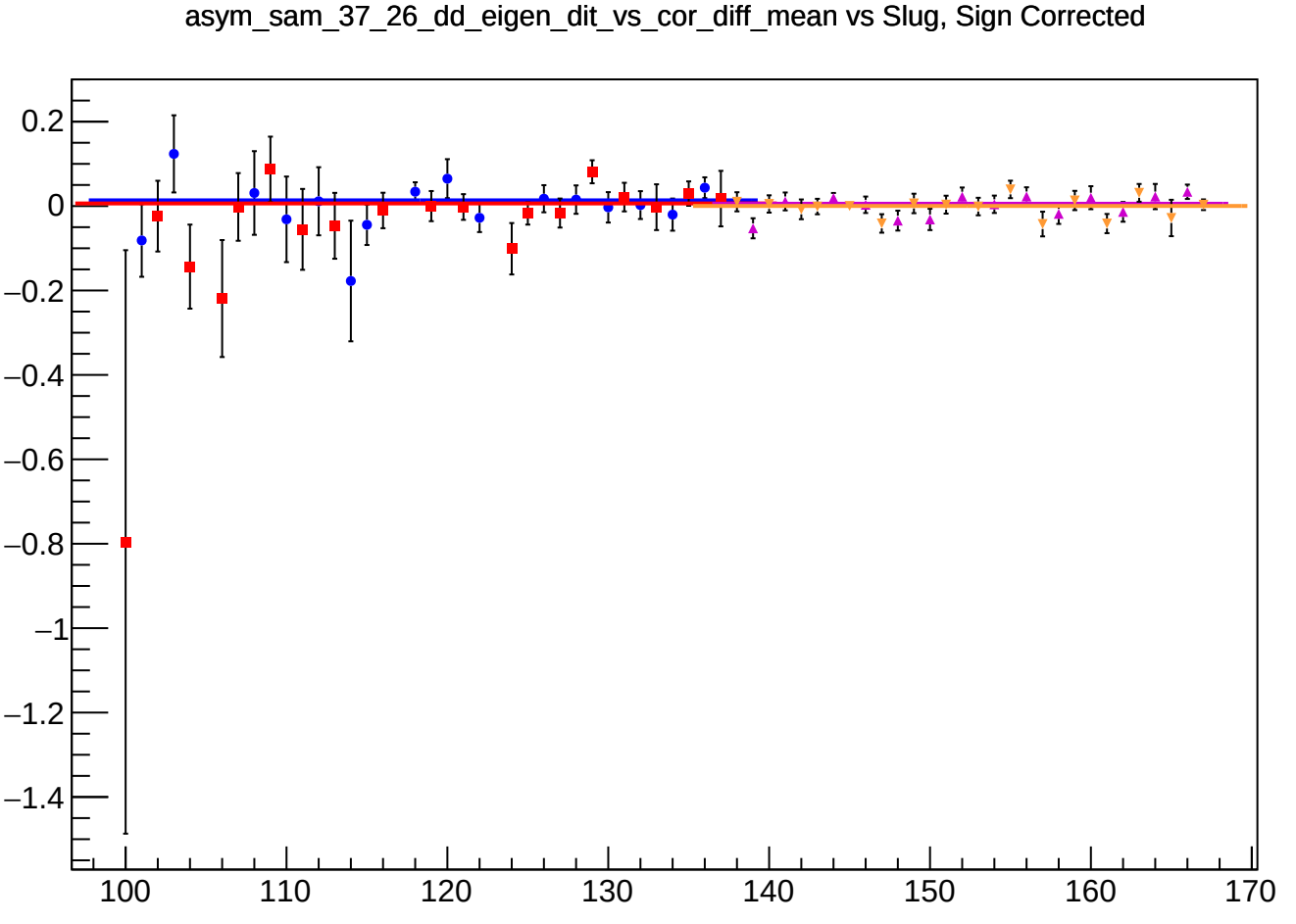
Left: 0.001+/-0.000 χ^2/NDF: 20834335.8/29

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.000+/-0.000 χ^2/NDF:19881647.3/29

Out: 0.001+/-0.000 χ^2/NDF:17355494.9/34

All: 0.001+/-0.000 χ^2/NDF: 38429278.4/64



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:16.1/15

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.005+/-0.005 χ^2/NDF:18.7/13

Left: 0.003+/-0.004 χ^2/NDF: 35.4/29

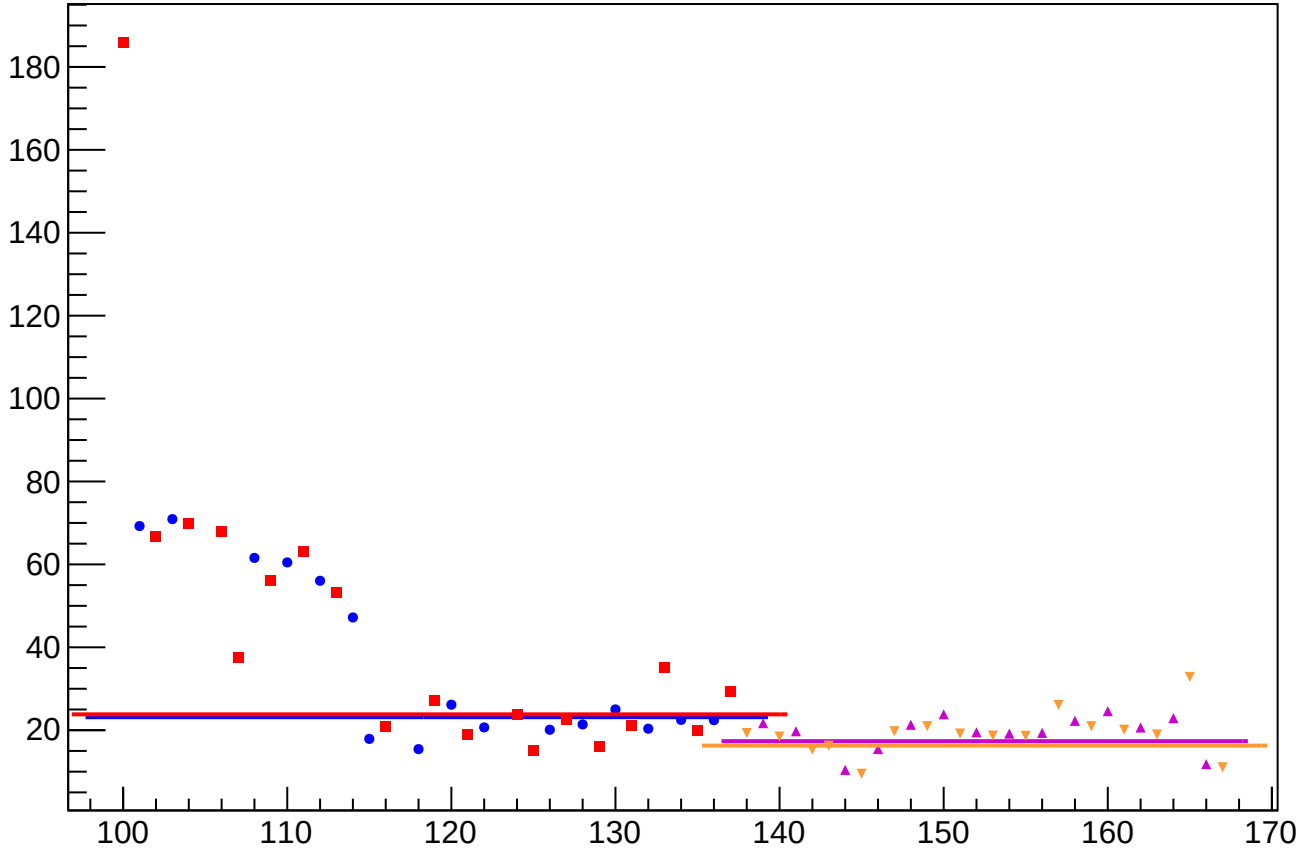
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.007+/-0.005 χ^2/NDF:31.6/29

Out: 0.001+/-0.004 χ^2/NDF:37.9/34

All: 0.004+/-0.003 χ^2/NDF: 70.3/64

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.282+/-0.003 χ^2/NDF:2044388.3/15

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.358+/-0.004 χ^2/NDF:1585865.8/13

Left: 16.758+/-0.003 χ^2/NDF: 3673163.9/29

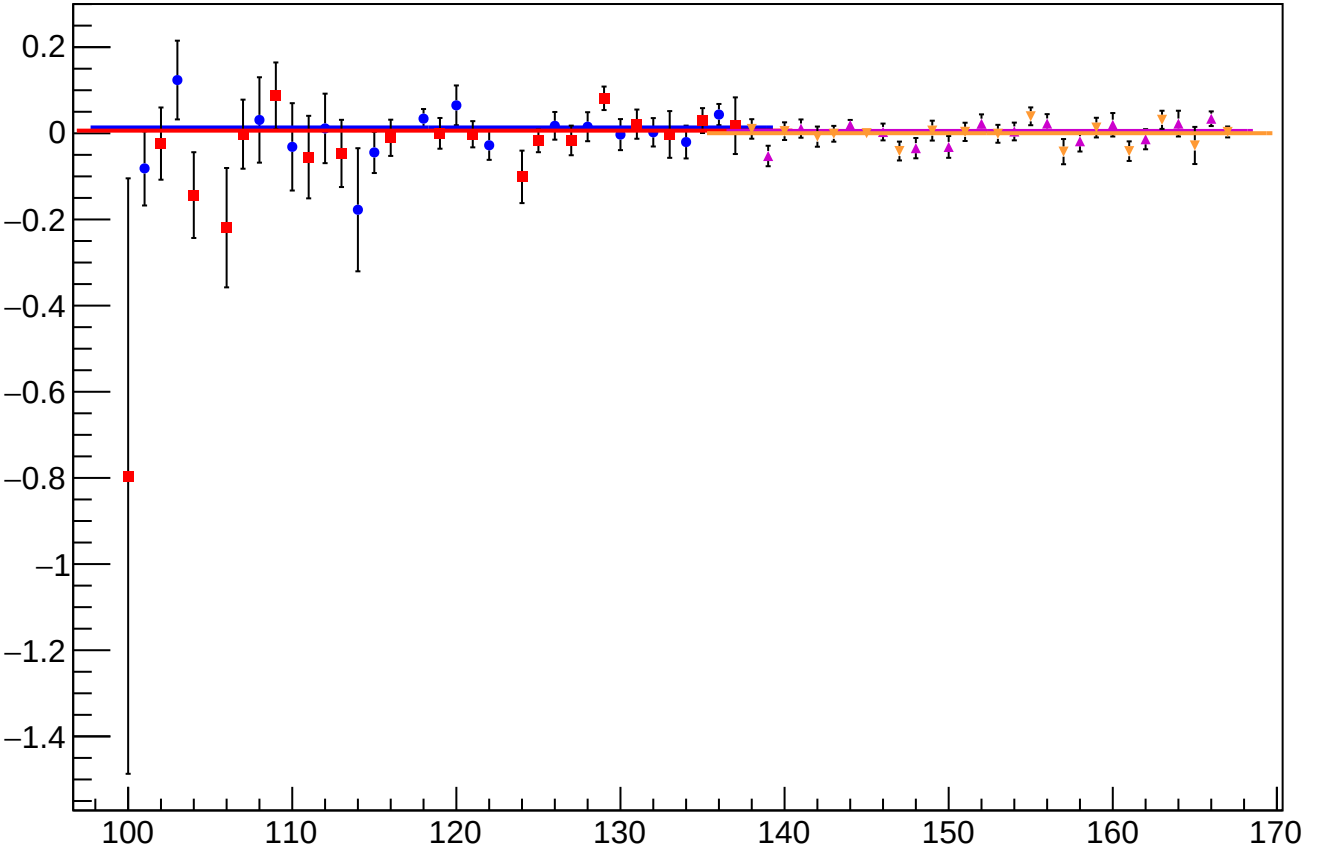
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.728+/-0.003 χ^2/NDF:4519404.6/29

Out: 17.721+/-0.003 χ^2/NDF:5851628.7/34

All: 18.181+/-0.002 χ^2/NDF: 10418983.8/64

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:16.1/15

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.005+/-0.005 χ^2/NDF:18.7/13

Left: 0.003+/-0.004 χ^2/NDF: 35.4/29

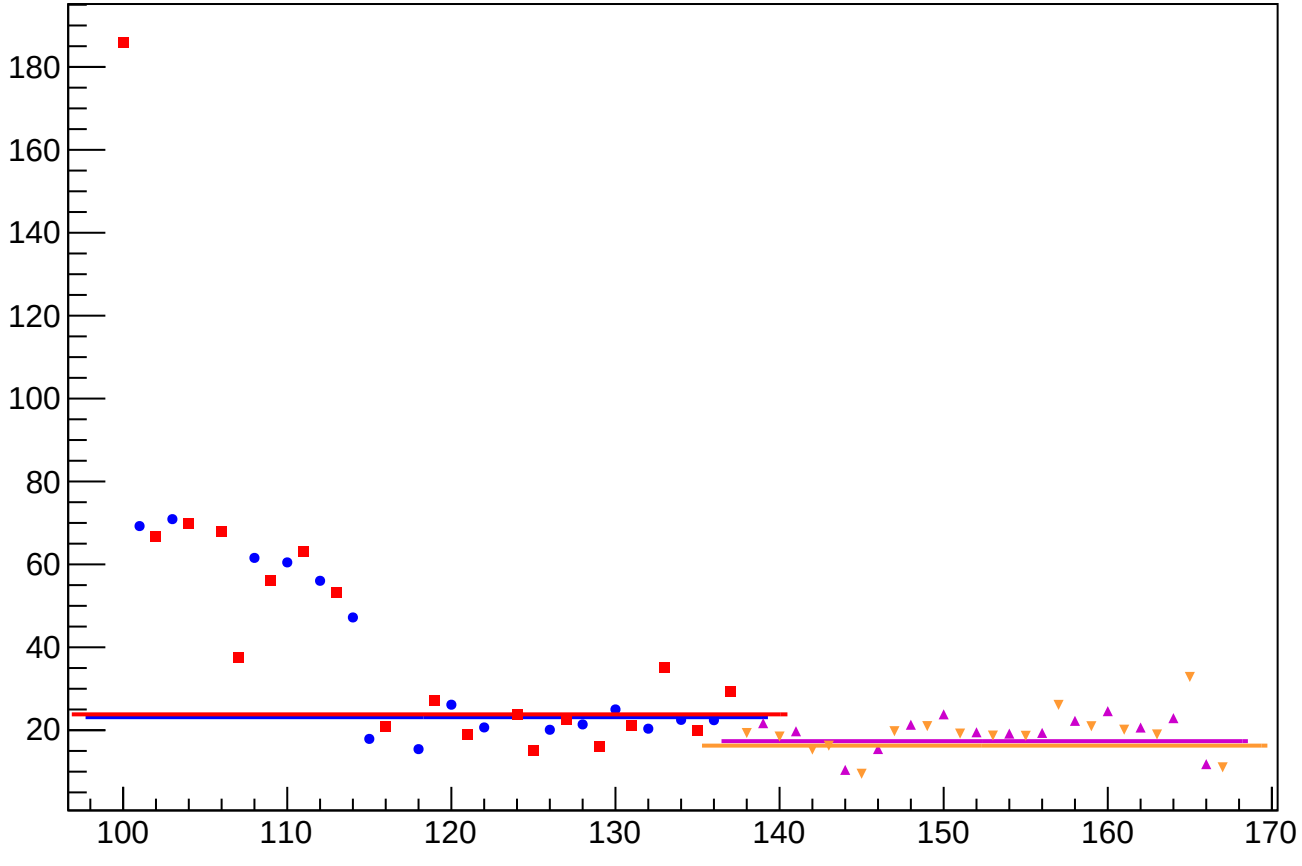
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.007+/-0.005 χ^2/NDF:31.6/29

Out: 0.001+/-0.004 χ^2/NDF:37.9/34

All: 0.004+/-0.003 χ^2/NDF: 70.3/64

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.282+/-0.003 χ^2/NDF:2044388.3/15

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.358+/-0.004 χ^2/NDF:1585865.8/13

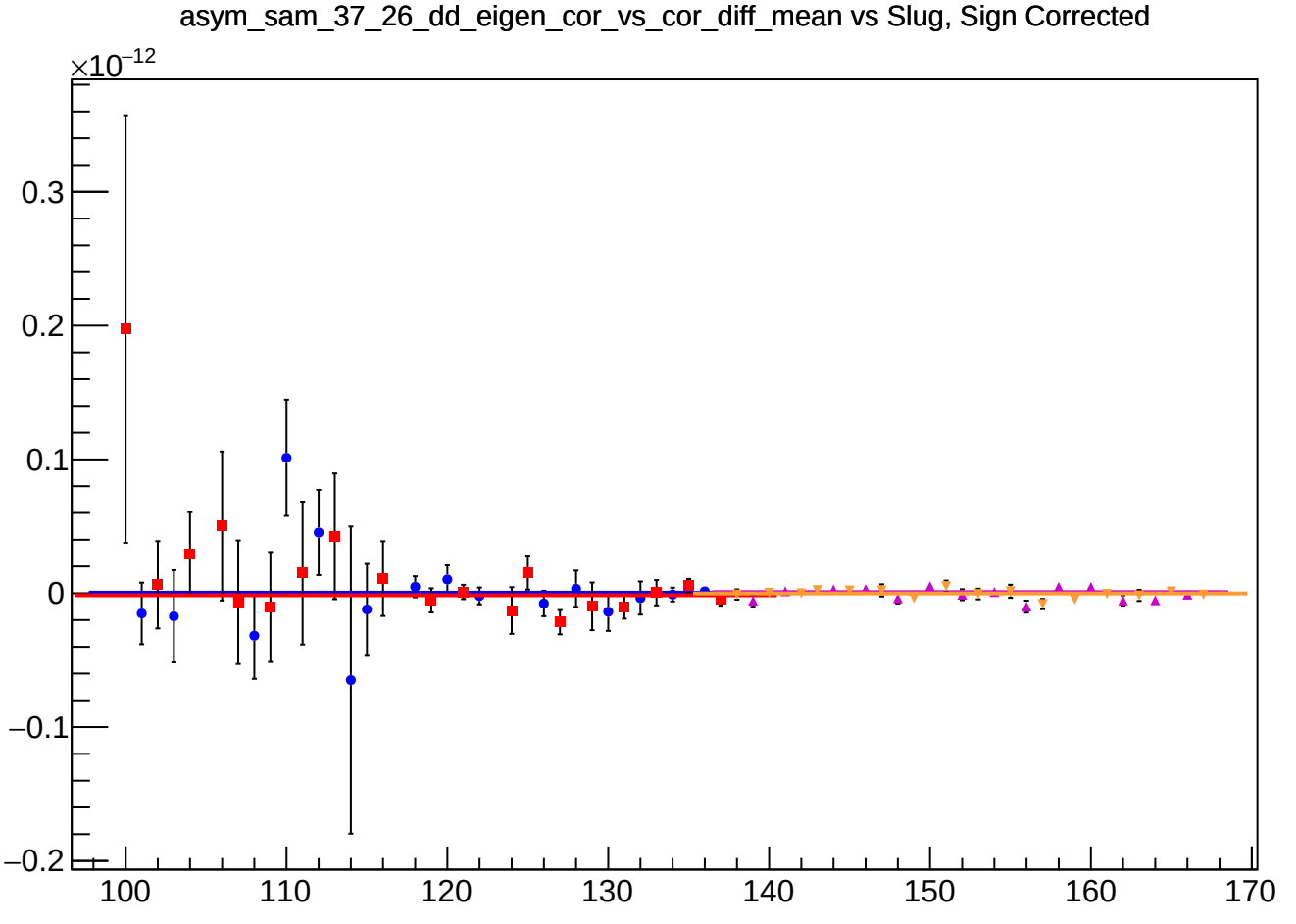
Left: 16.758+/-0.003 χ^2/NDF: 3673163.9/29

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.728+/-0.003 χ^2/NDF:4519404.6/29

Out: 17.721+/-0.003 χ^2/NDF:5851628.7/34

All: 18.181+/-0.002 χ^2/NDF: 10418983.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.9/13

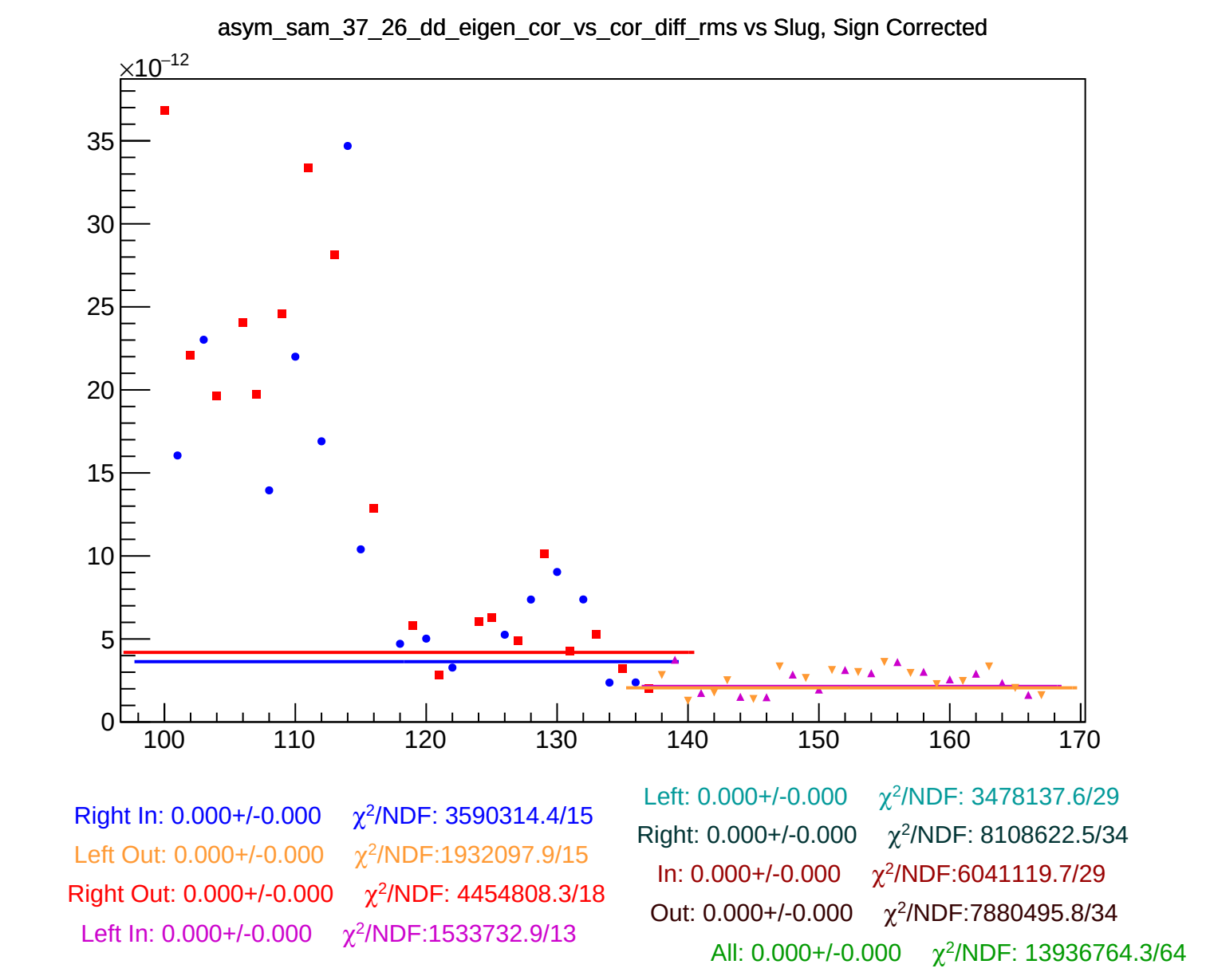
Left: 0.000+/-0.000 χ^2/NDF: 36.2/29

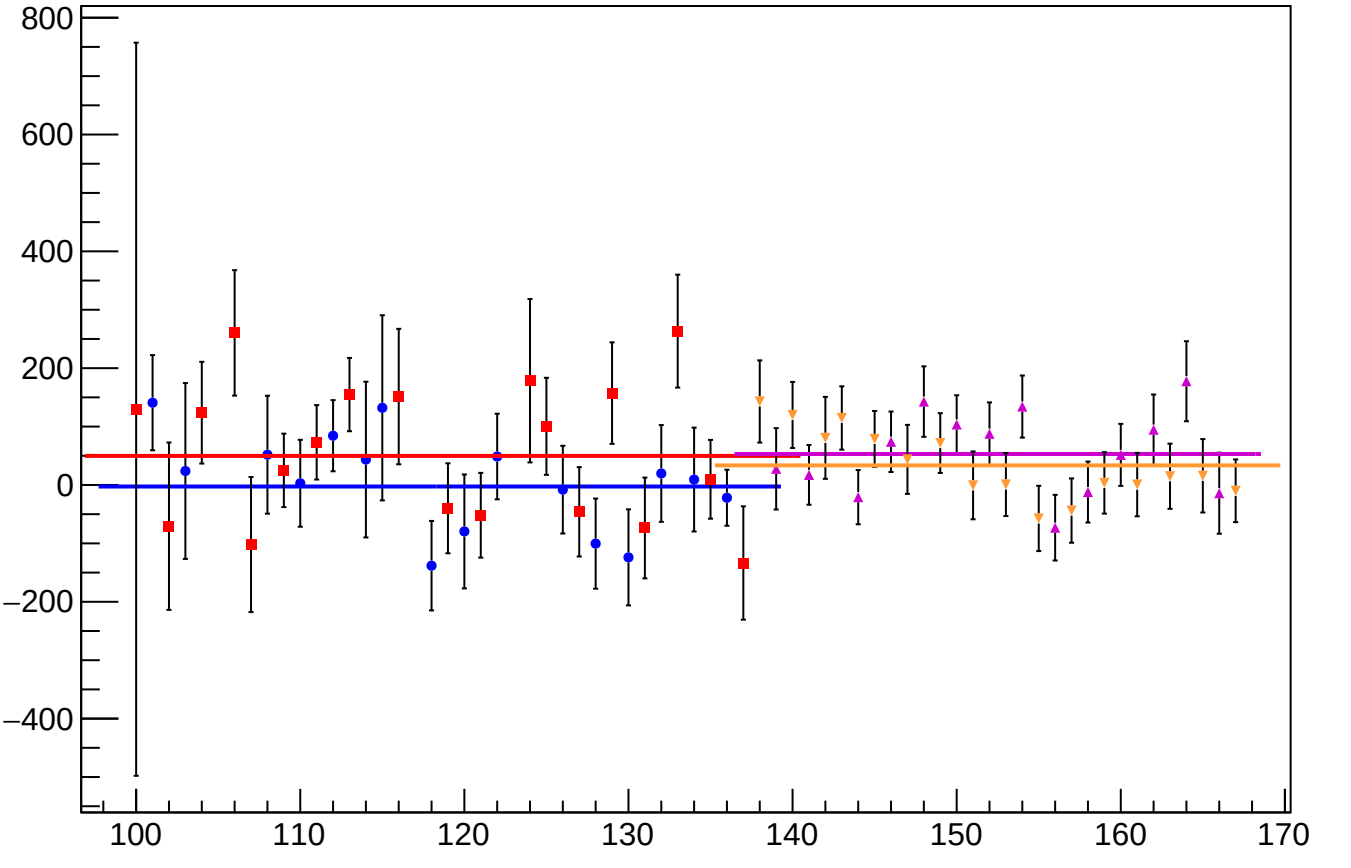
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:35.8/29

Out: -0.000+/-0.000 χ^2/NDF:28.4/34

All: 0.000+/-0.000 χ^2/NDF: 65.2/64


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1932097.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1533732.9/13
Left: 0.000+/-0.000 χ²/NDF: 3478137.6/29
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:6041119.7/29
Out: 0.000+/-0.000 χ²/NDF:7880495.8/34
All: 0.000+/-0.000 χ²/NDF: 13936764.3/64



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 33.561+/-14.036 χ^2/NDF:15.8/15

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 53.046+/-14.844 χ^2/NDF:20.6/13

Left: 42.758+/-10.199 χ^2/NDF: 37.3/29

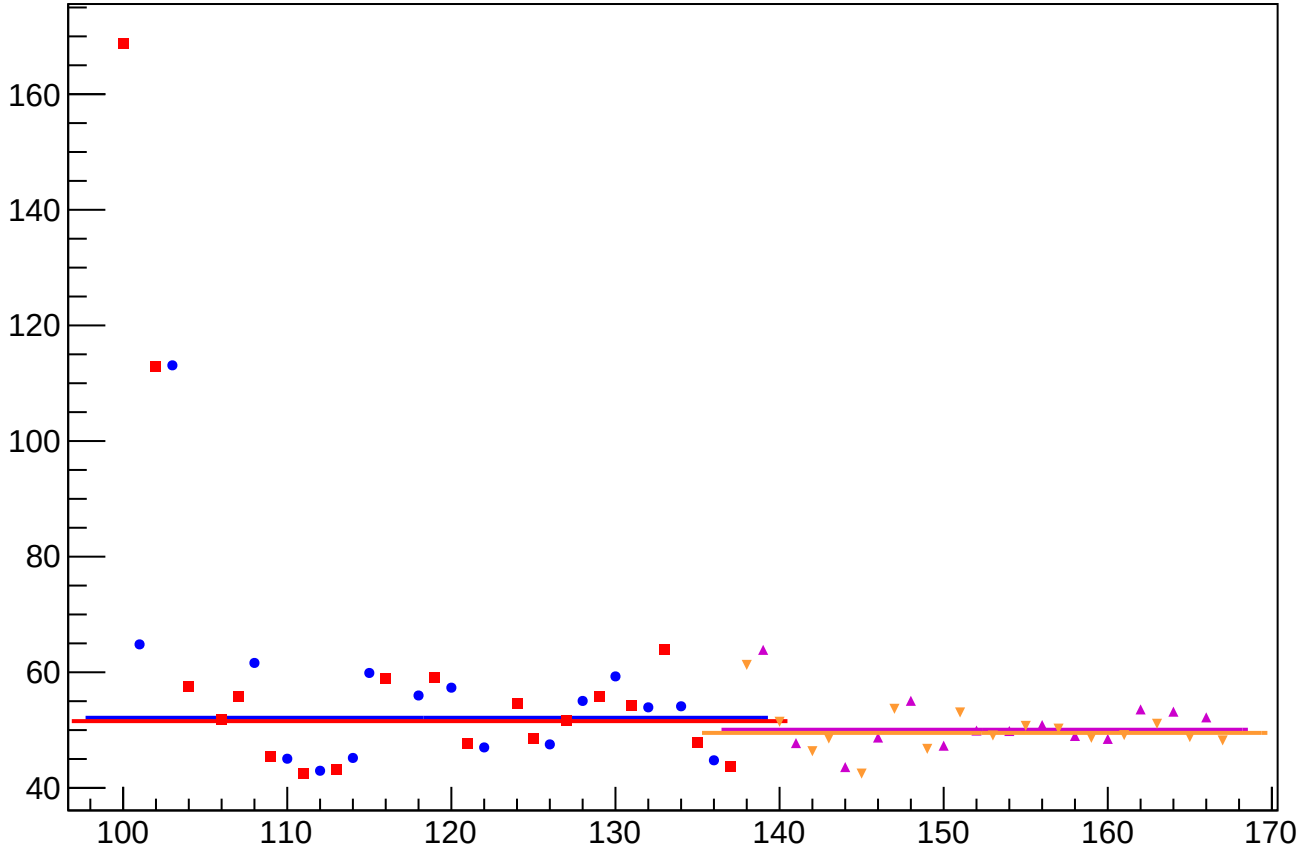
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 33.268+/-11.919 χ^2/NDF:40.2/29

Out: 39.061+/-11.416 χ^2/NDF:45.6/34

All: 36.289+/-8.244 χ^2/NDF: 85.9/64

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.516+/-0.010 χ^2/NDF:134540.3/15

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 50.061+/-0.010 χ^2/NDF:158675.7/13

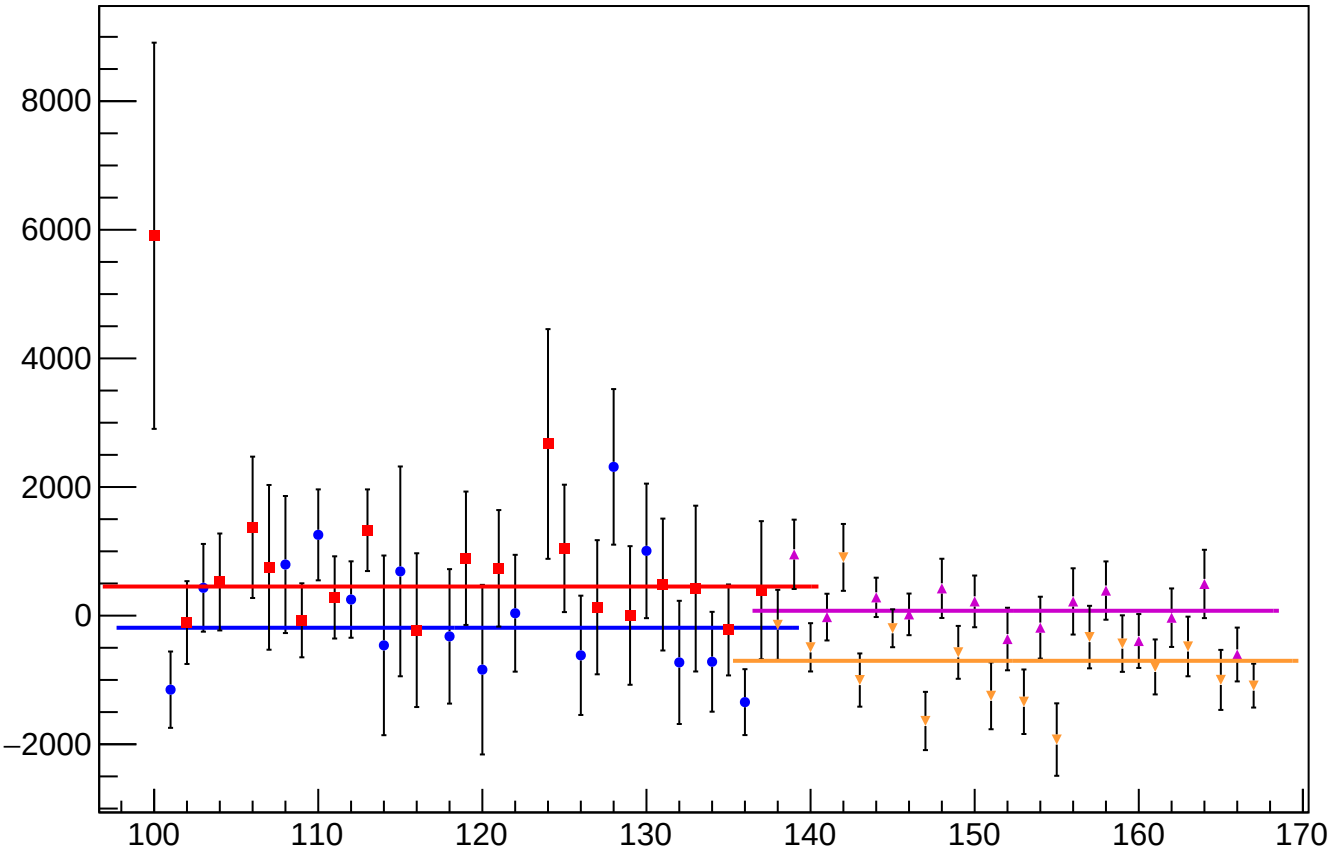
Left: 49.773+/-0.007 χ^2/NDF: 294640.4/29

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.796+/-0.008 χ^2/NDF:735380.4/29

Out: 50.204+/-0.008 χ^2/NDF:788324.2/34

All: 50.487+/-0.006 χ^2/NDF: 1526272.0/64



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -702.526+/-107.933 χ^2/NDF:29.1/15

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 75.620+/-112.419 χ^2/NDF:10.2/13

Left: -329.286+/-77.858 χ^2/NDF: 64.2/29

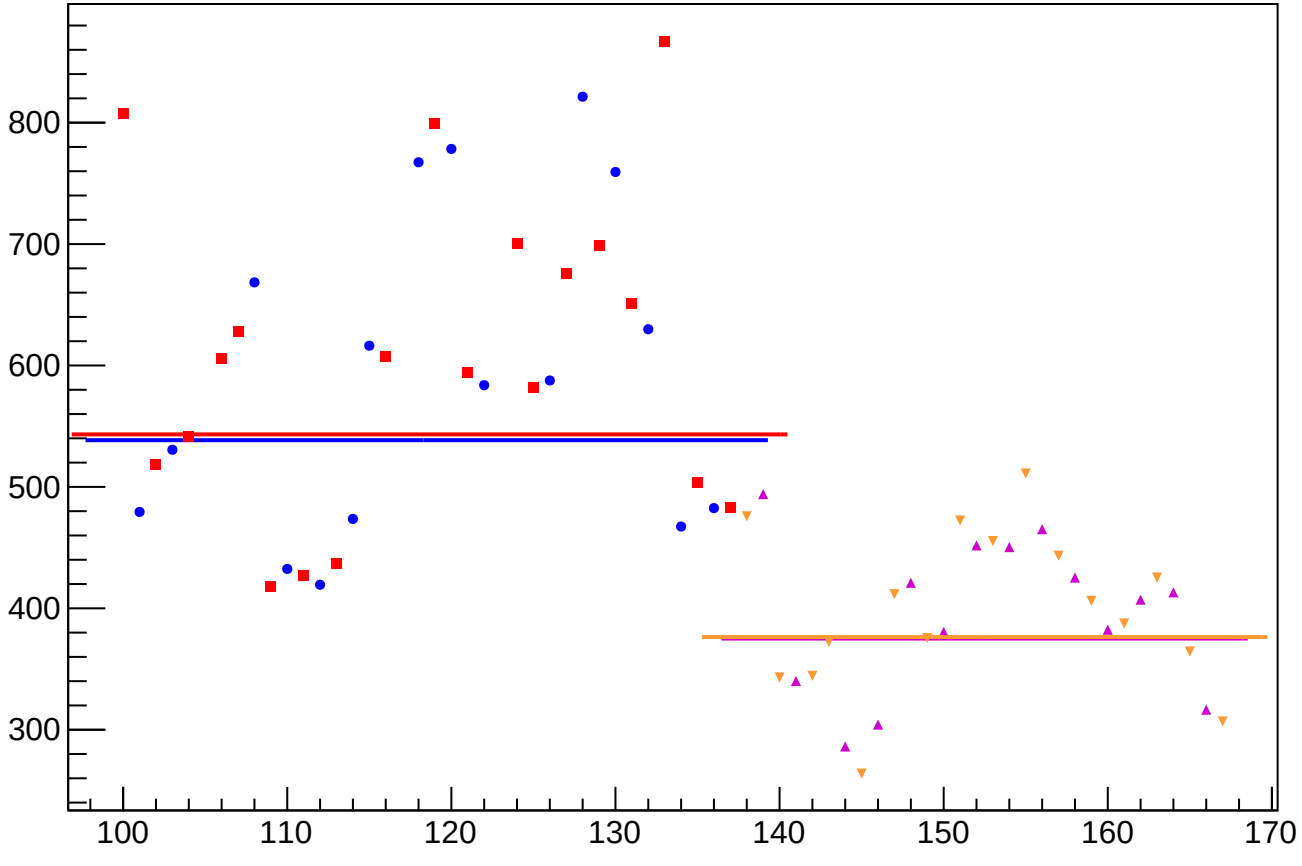
Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 14.911+/-98.660 χ^2/NDF:32.8/29

Out: -449.745+/-95.395 χ^2/NDF:65.5/34

All: -225.233+/-68.580 χ^2/NDF: 109.7/64

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 376.342+/-0.076 χ^2/NDF:780294.8/15

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 375.091+/-0.079 χ^2/NDF:645425.9/13

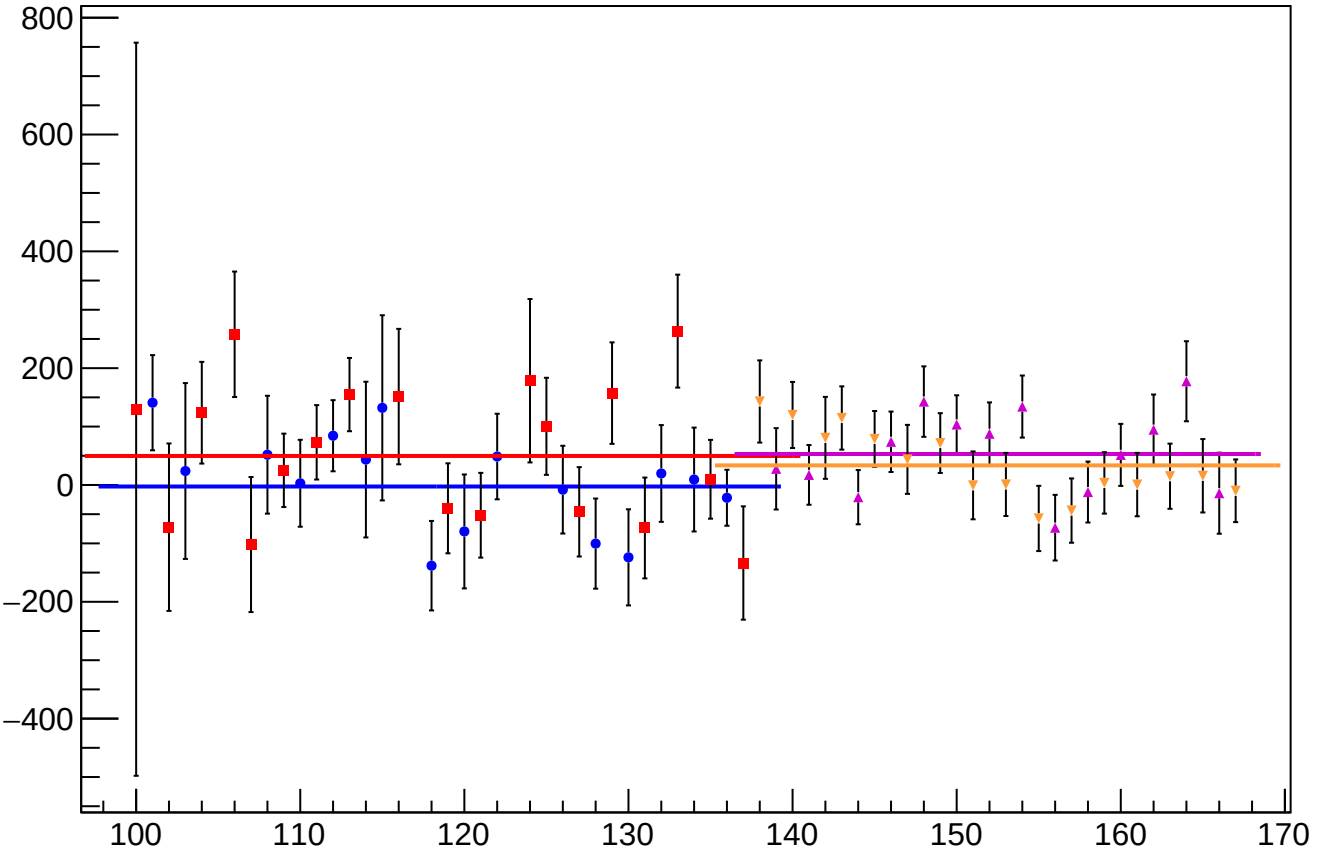
Left: 375.742+/-0.055 χ^2/NDF: 1425849.5/29

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 412.634+/-0.070 χ^2/NDF:2230107.5/29

Out: 412.867+/-0.067 χ^2/NDF:2463977.2/34

All: 412.755+/-0.048 χ^2/NDF: 4694090.5/64



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 33.563+/-14.036 χ^2/NDF:15.8/15

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 53.046+/-14.844 χ^2/NDF:20.6/13

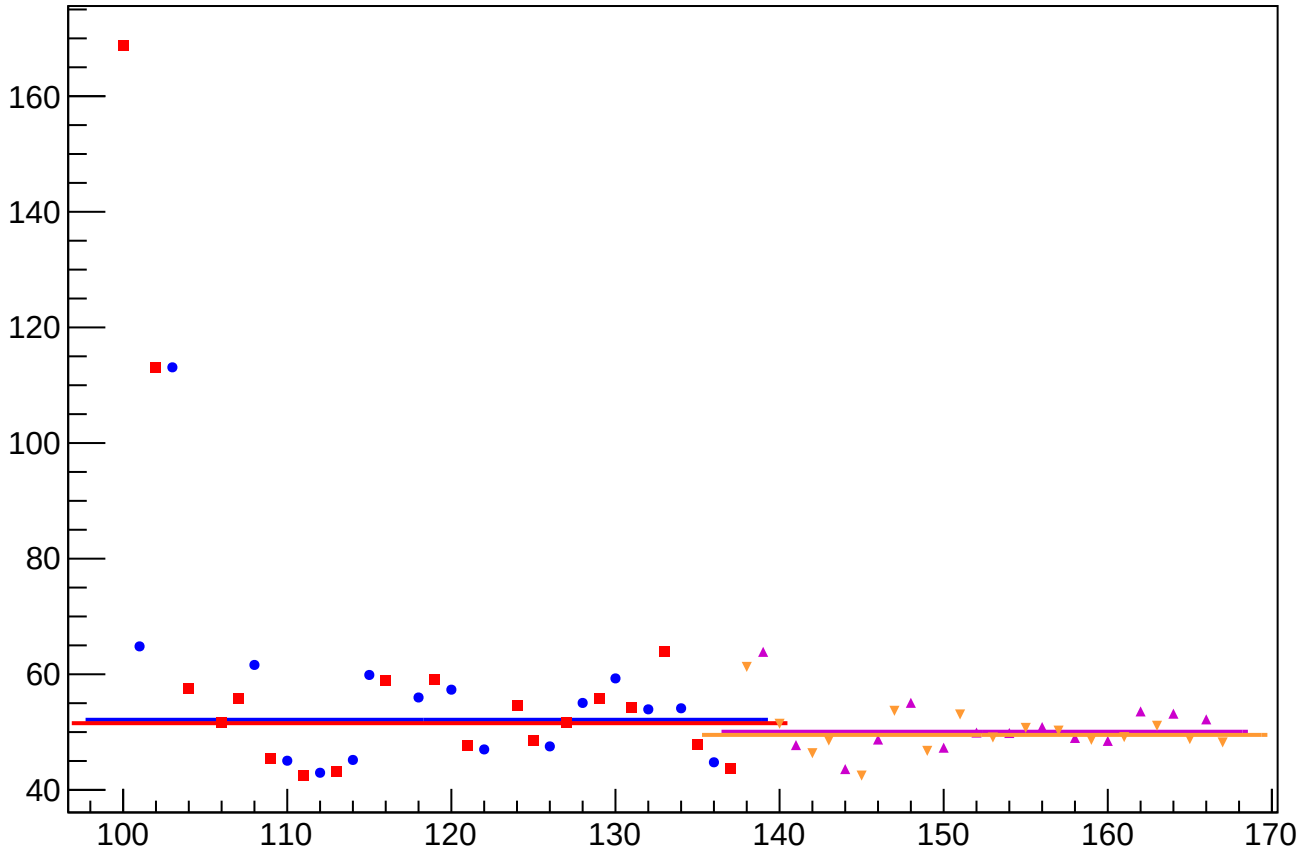
Left: 42.760+/-10.199 χ^2/NDF: 37.3/29

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 33.267+/-11.919 χ^2/NDF:40.2/29

Out: 39.023+/-11.416 χ^2/NDF:45.5/34

All: 36.269+/-8.244 χ^2/NDF: 85.9/64



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.516+/-0.010 χ^2/NDF:134540.3/15

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 50.061+/-0.010 χ^2/NDF:158675.7/13

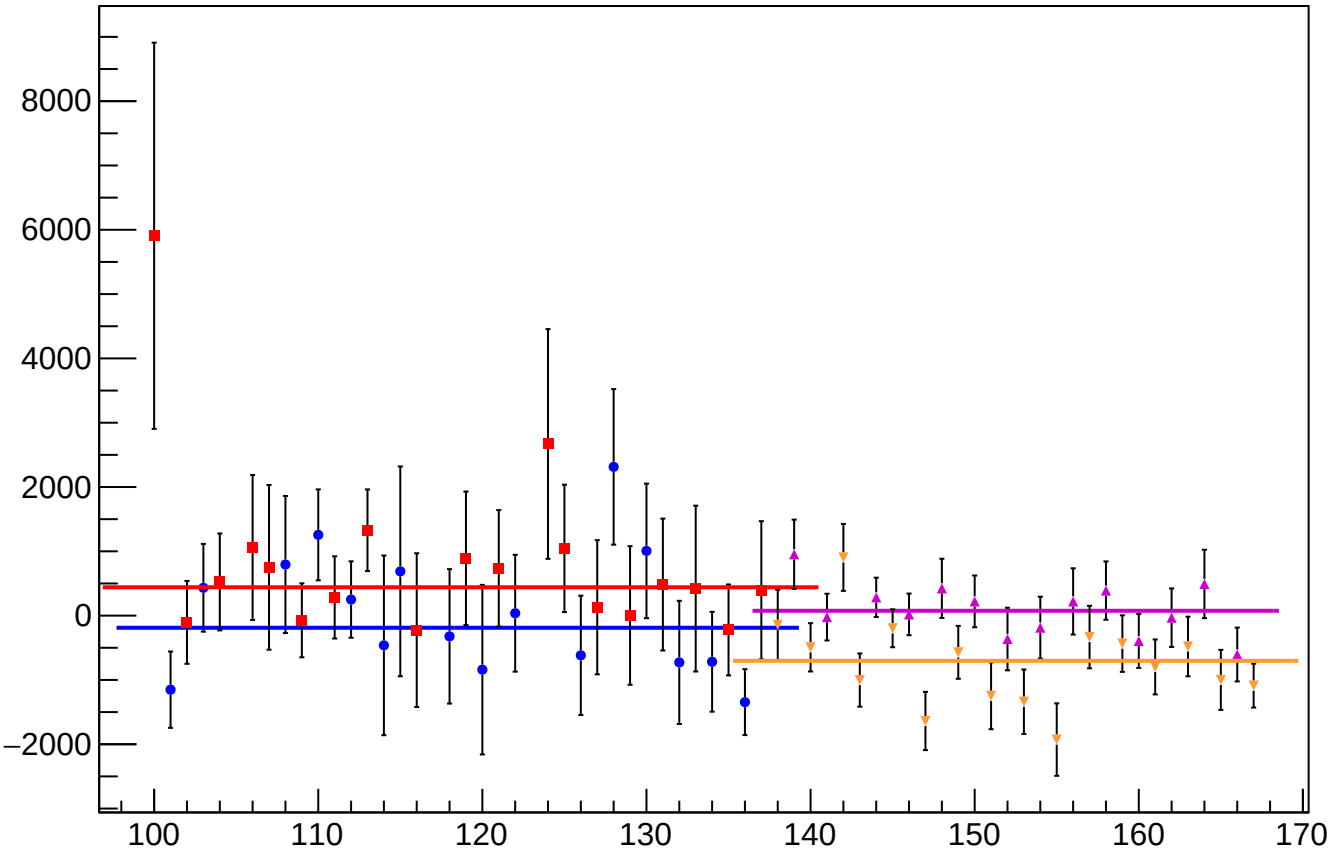
Left: 49.773+/-0.007 χ^2/NDF: 294640.4/29

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.796+/-0.008 χ^2/NDF:735382.7/29

Out: 50.201+/-0.008 χ^2/NDF:788399.9/34

All: 50.485+/-0.006 χ^2/NDF: 1526380.5/64



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -702.521+/-107.933 χ^2/NDF:29.1/15

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 75.622+/-112.419 χ^2/NDF:10.2/13

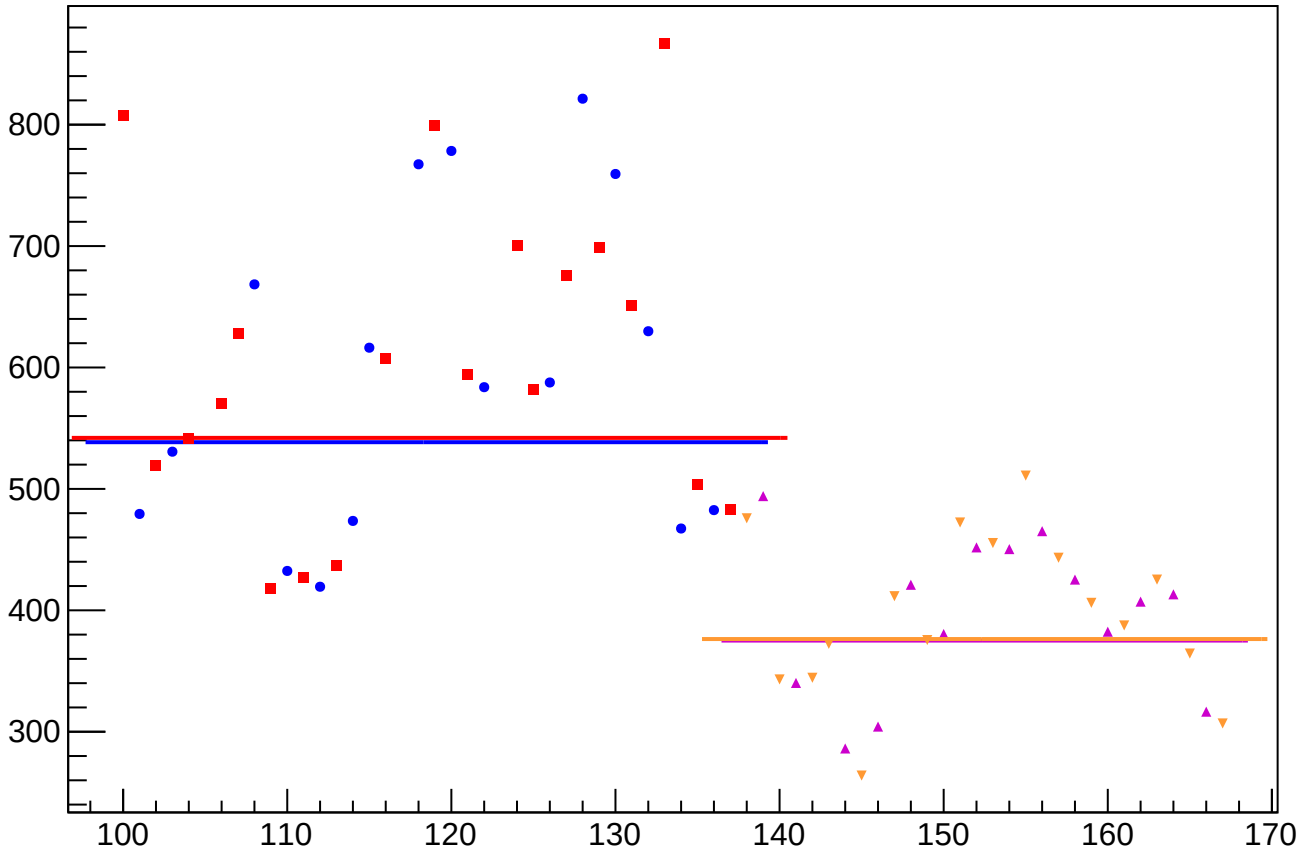
Left: -329.282+/-77.858 χ^2/NDF: 64.2/29

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 14.919+/-98.660 χ^2/NDF:32.8/29

Out: -452.599+/-95.414 χ^2/NDF:64.5/34

All: -226.657+/-68.587 χ^2/NDF: 108.9/64



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 376.342+/-0.076 χ^2/NDF:780299.6/15

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.091+/-0.079 χ^2/NDF:645424.5/13

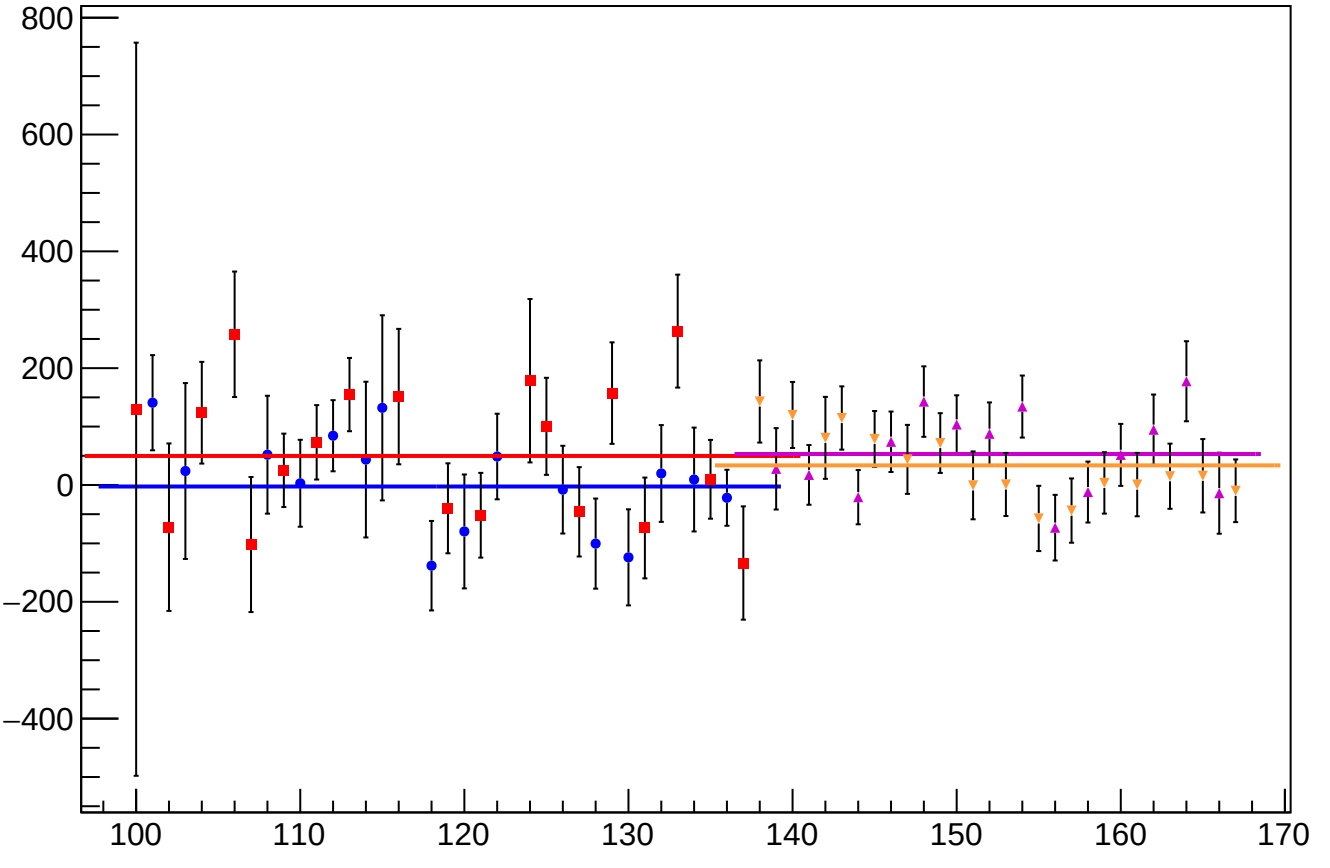
Left: 375.742+/-0.055 χ^2/NDF: 1425853.0/29

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 412.635+/-0.070 χ^2/NDF:2230151.2/29

Out: 412.547+/-0.067 χ^2/NDF:2441706.0/34

All: 412.590+/-0.048 χ^2/NDF: 4671858.0/64



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 33.563+/-14.036 χ^2/NDF:15.8/15

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 53.046+/-14.844 χ^2/NDF:20.6/13

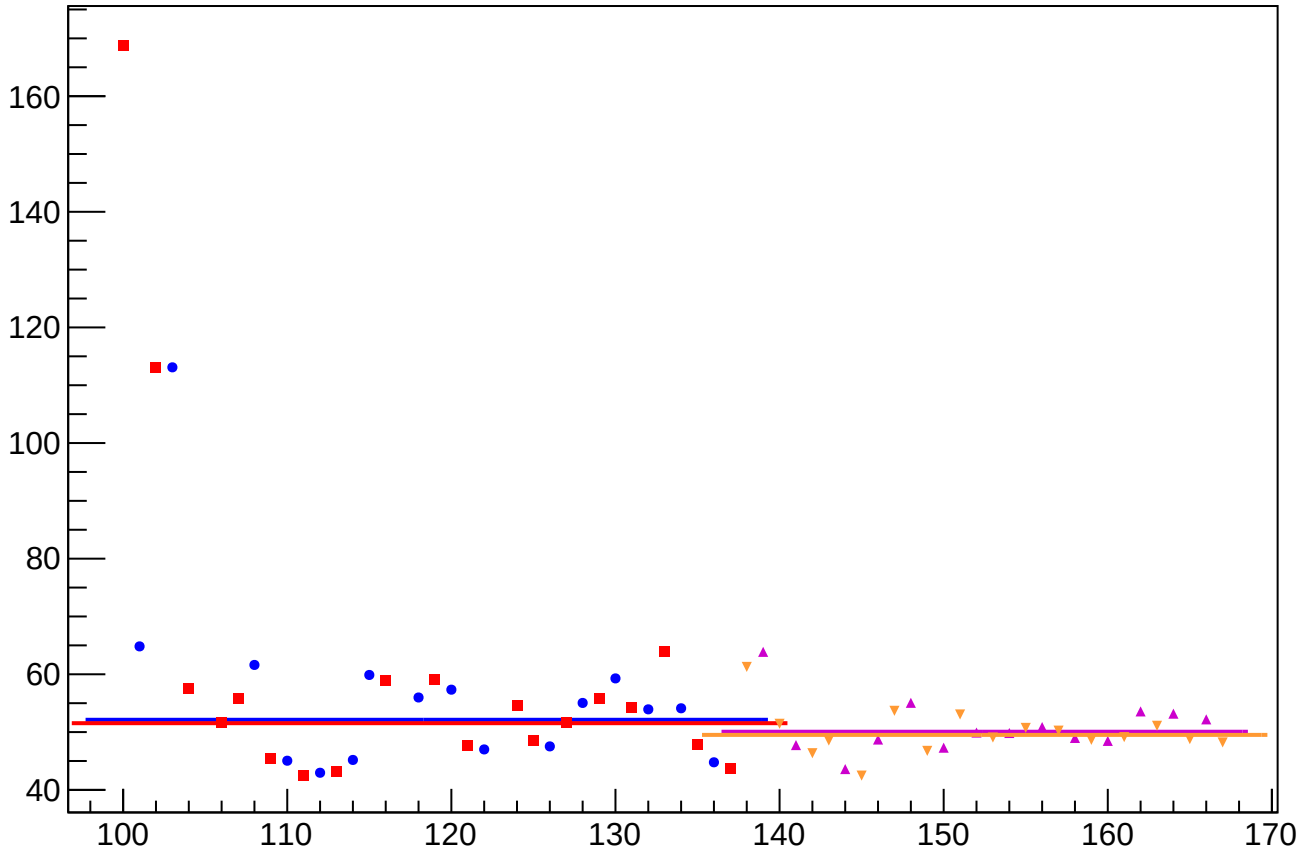
Left: 42.760+/-10.199 χ^2/NDF: 37.3/29

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 33.267+/-11.919 χ^2/NDF:40.2/29

Out: 39.023+/-11.416 χ^2/NDF:45.5/34

All: 36.269+/-8.244 χ^2/NDF: 85.9/64



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.516+/-0.010 χ^2/NDF:134540.3/15

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 50.061+/-0.010 χ^2/NDF:158675.7/13

Left: 49.773+/-0.007 χ^2/NDF: 294640.4/29

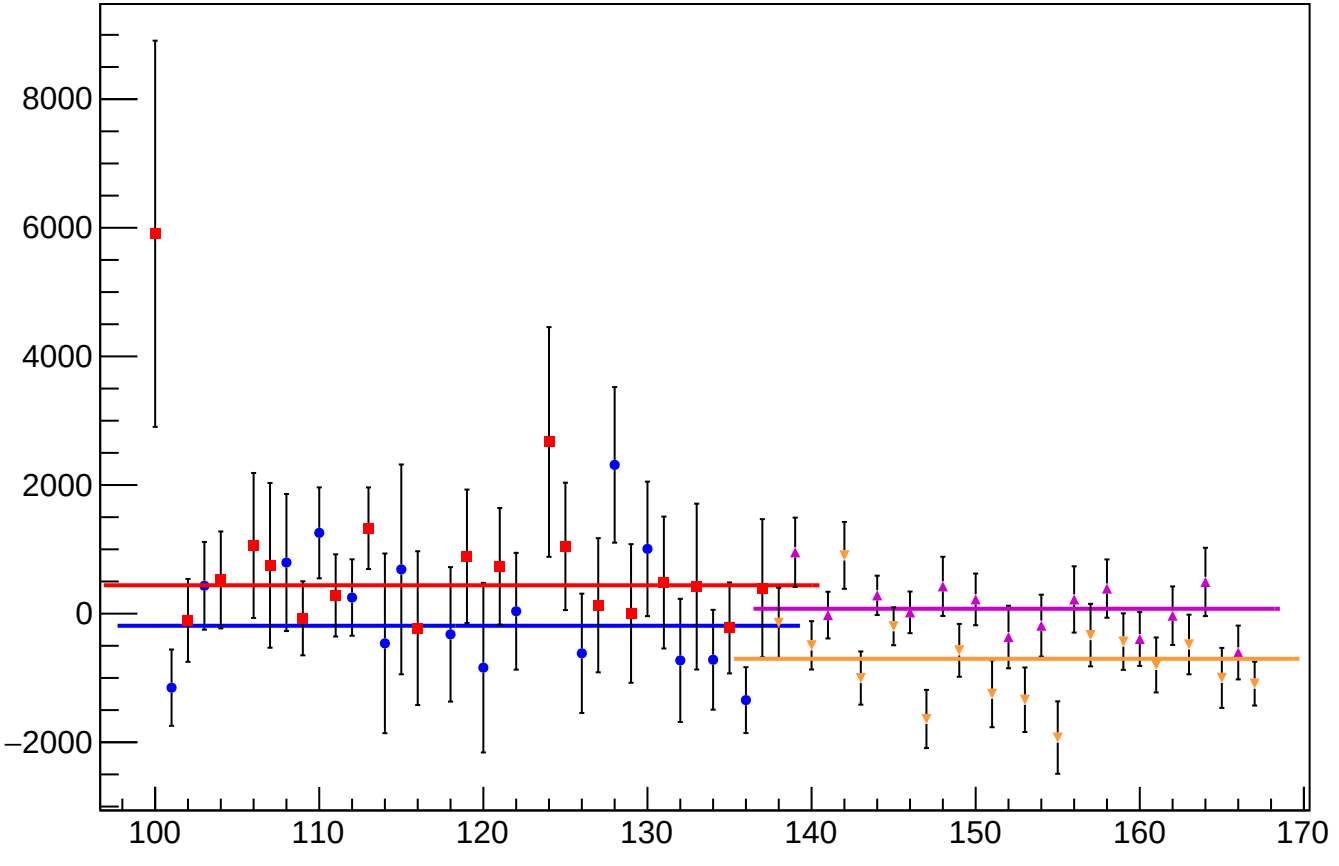
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.796+/-0.008 χ^2/NDF:735382.7/29

Out: 50.201+/-0.008 χ^2/NDF:788399.9/34

All: 50.485+/-0.006 χ^2/NDF: 1526380.5/64

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -702.521+/-107.933 χ^2/NDF:29.1/15

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 75.622+/-112.419 χ^2/NDF:10.2/13

Left: -329.282+/-77.858 χ^2/NDF: 64.2/29

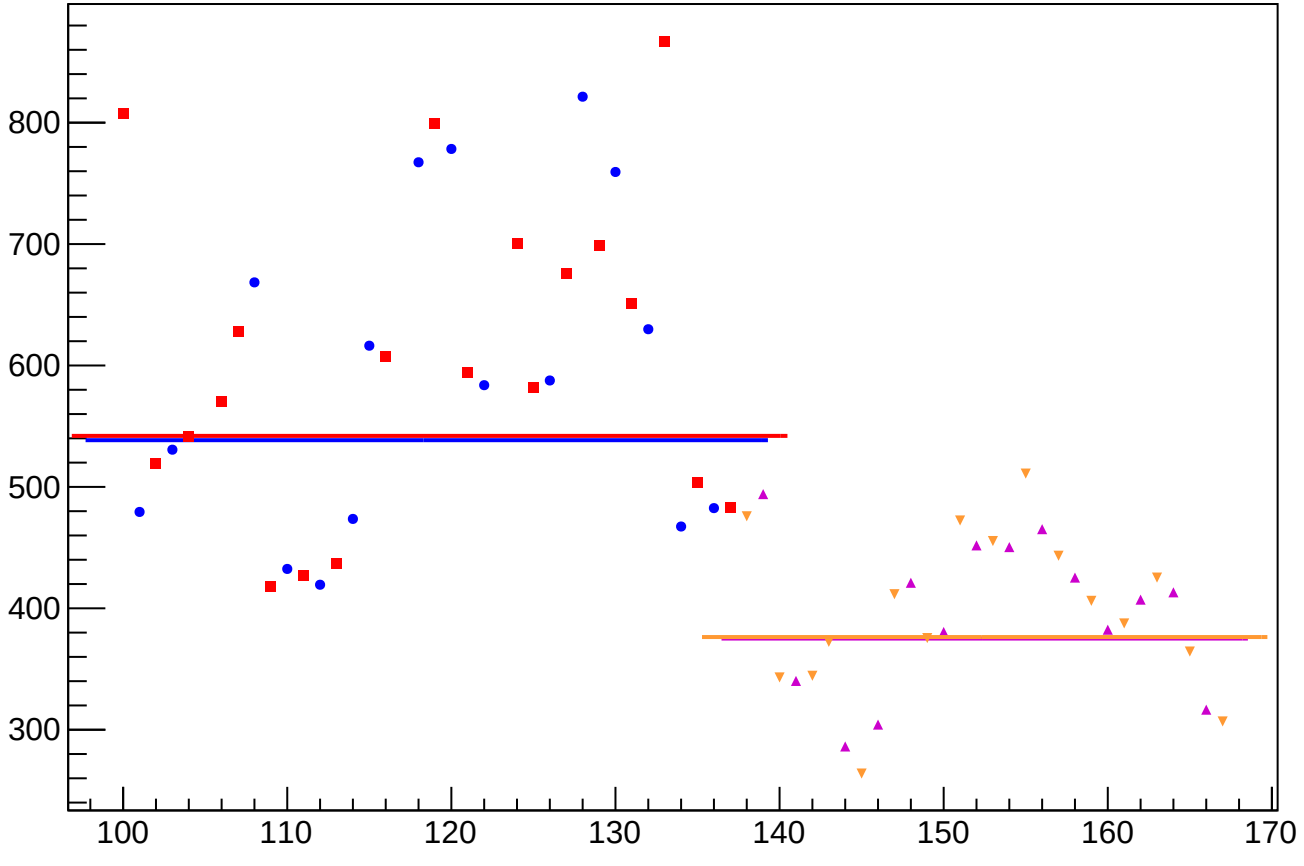
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 14.919+/-98.660 χ^2/NDF:32.8/29

Out: -452.599+/-95.414 χ^2/NDF:64.5/34

All: -226.657+/-68.587 χ^2/NDF: 108.9/64

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 376.342+/-0.076 χ^2/NDF:780299.6/15

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.091+/-0.079 χ^2/NDF:645424.5/13

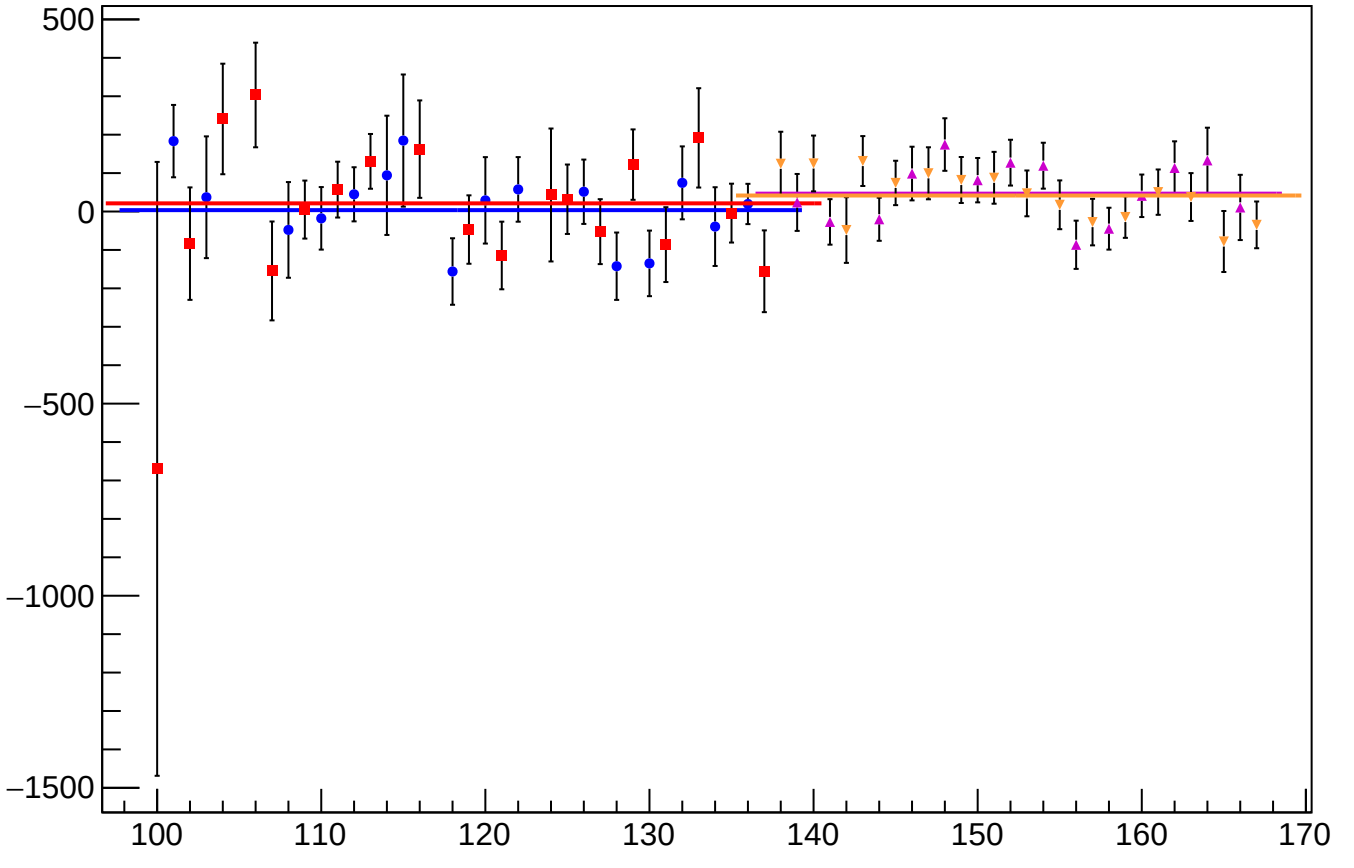
Left: 375.742+/-0.055 χ^2/NDF: 1425853.0/29

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 412.635+/-0.070 χ^2/NDF:2230151.2/29

Out: 412.547+/-0.067 χ^2/NDF:2441706.0/34

All: 412.590+/-0.048 χ^2/NDF: 4671858.0/64



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 41.678+/-16.136 χ^2/NDF:13.7/15

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 46.508+/-16.980 χ^2/NDF:20.2/13

Left: 43.970+/-11.697 χ^2/NDF: 34.0/29

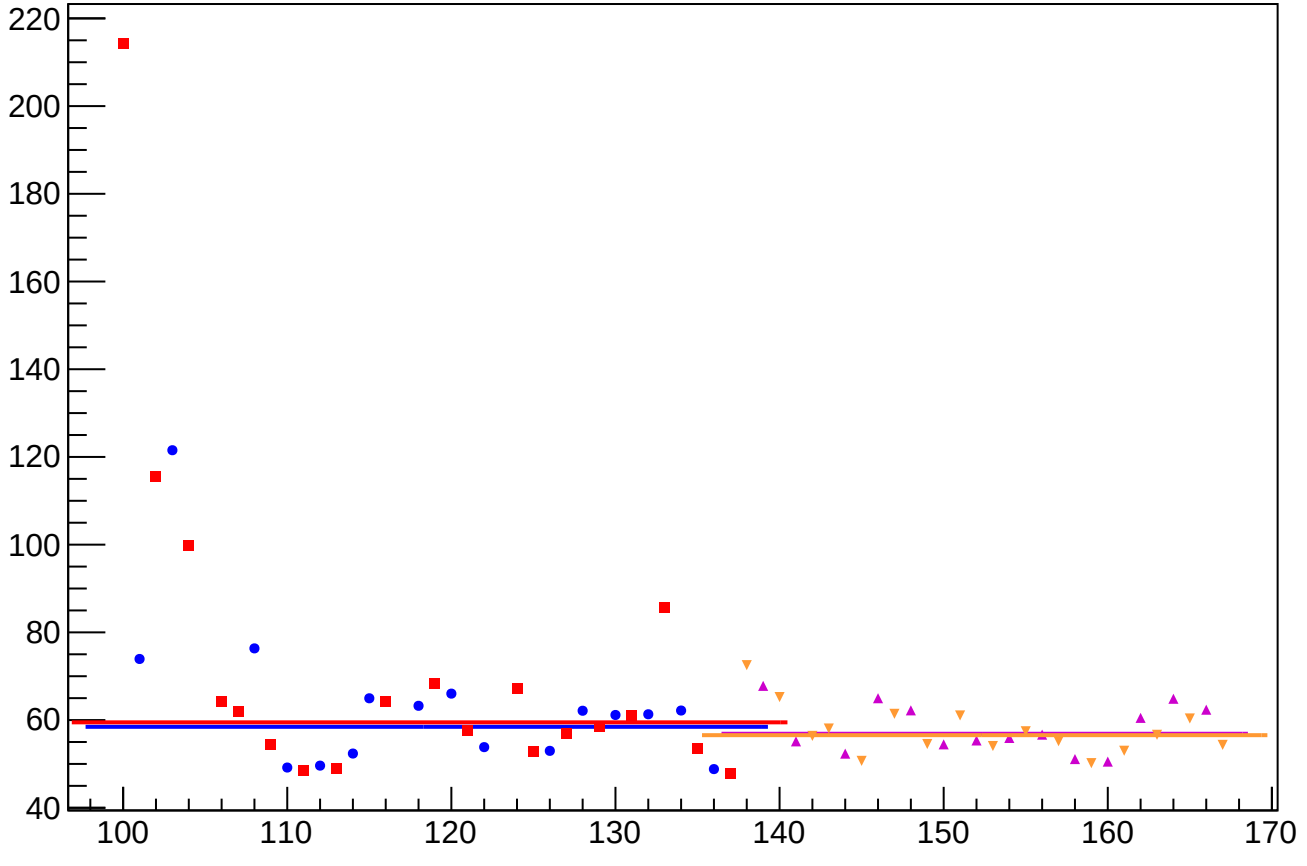
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 30.919+/-13.549 χ^2/NDF:38.7/29

Out: 34.849+/-13.165 χ^2/NDF:38.6/34

All: 32.941+/-9.442 χ^2/NDF: 77.4/64

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.557+/-0.011 χ^2/NDF:192178.4/15

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.879+/-0.012 χ^2/NDF:182892.0/13

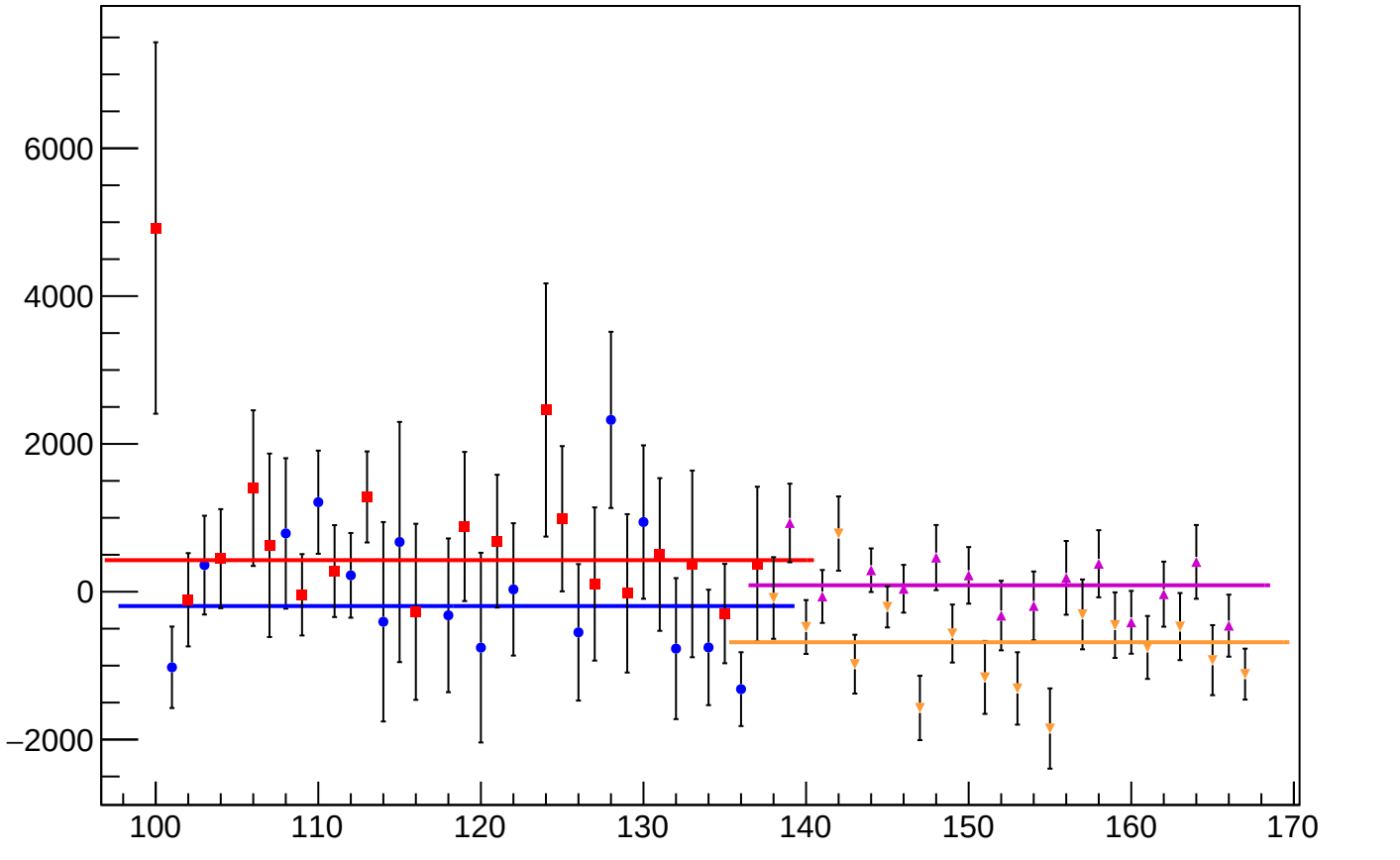
Left: 56.710+/-0.008 χ^2/NDF: 375447.6/29

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.455+/-0.010 χ^2/NDF:772219.1/29

Out: 57.536+/-0.009 χ^2/NDF:999058.5/34

All: 57.497+/-0.007 χ^2/NDF: 1771313.9/64



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -683.443+/-105.258 χ^2/NDF:28.0/15

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 87.210+/-109.936 χ^2/NDF:9.2/13

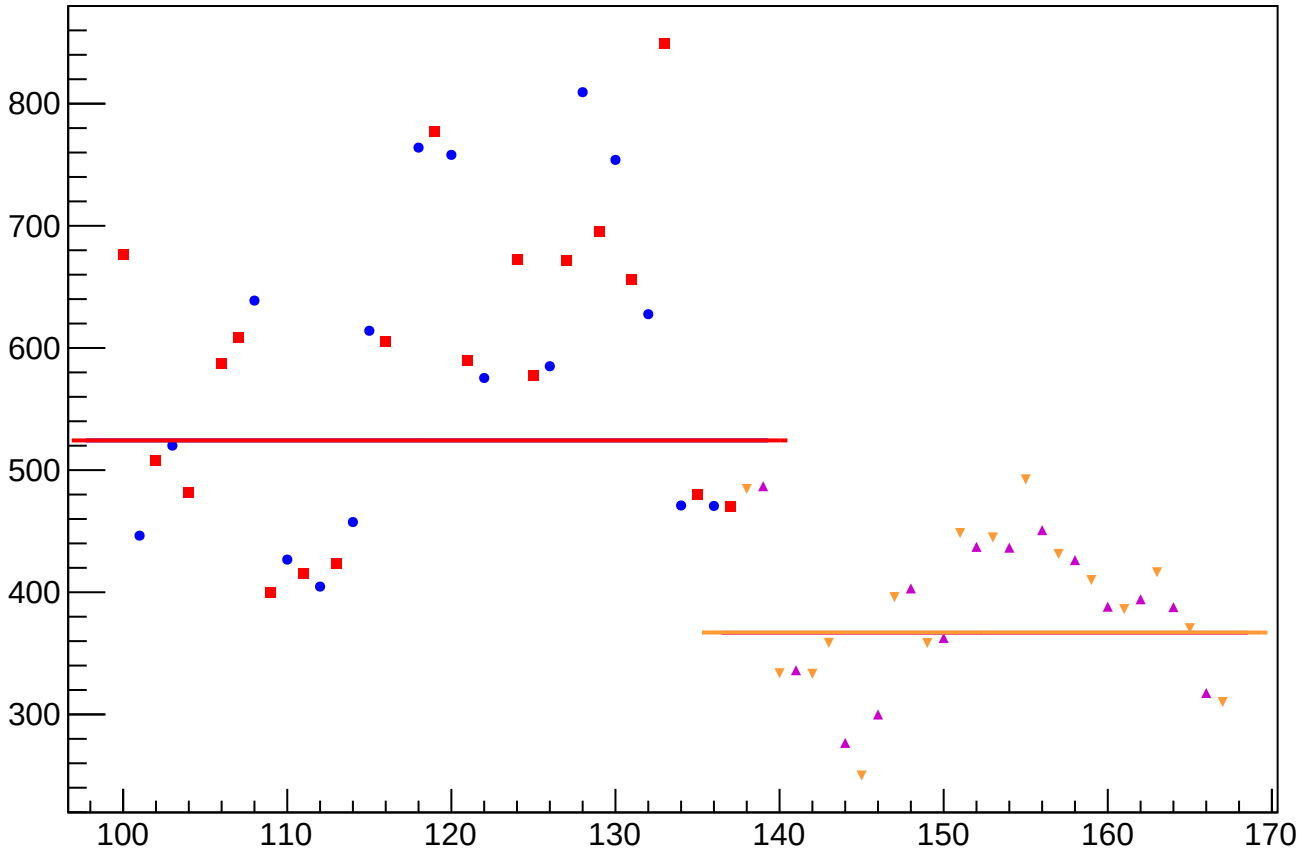
Left: -314.862+/-76.029 χ^2/NDF: 62.8/29

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 22.283+/-96.408 χ^2/NDF:31.5/29

Out: -436.848+/-92.838 χ^2/NDF:64.0/34

All: -215.941+/-66.873 χ^2/NDF: 107.3/64



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 367.052+/-0.074 χ^2/NDF:831464.6/15

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 366.788+/-0.078 χ^2/NDF:627277.2/13

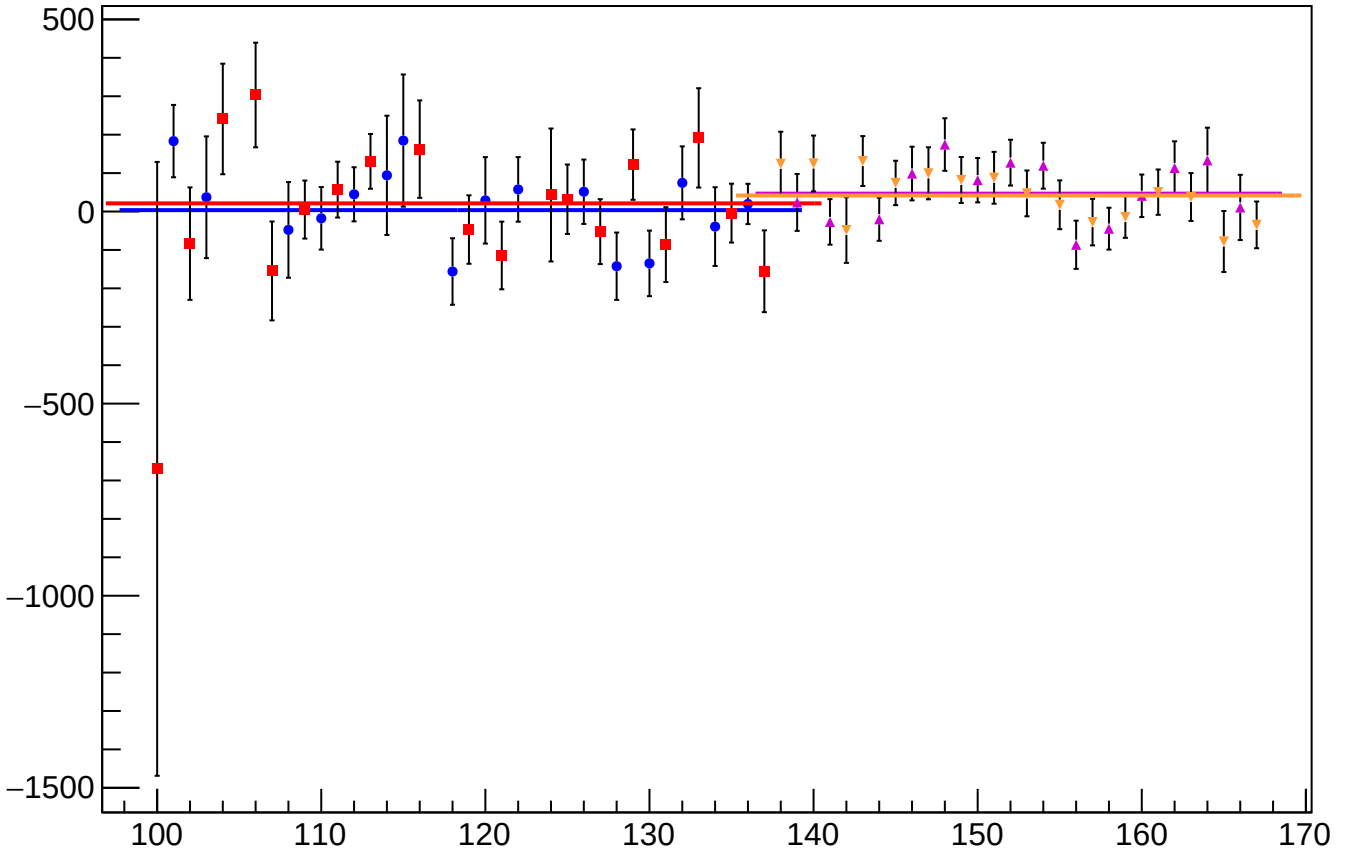
Left: 366.925+/-0.054 χ^2/NDF: 1458747.9/29

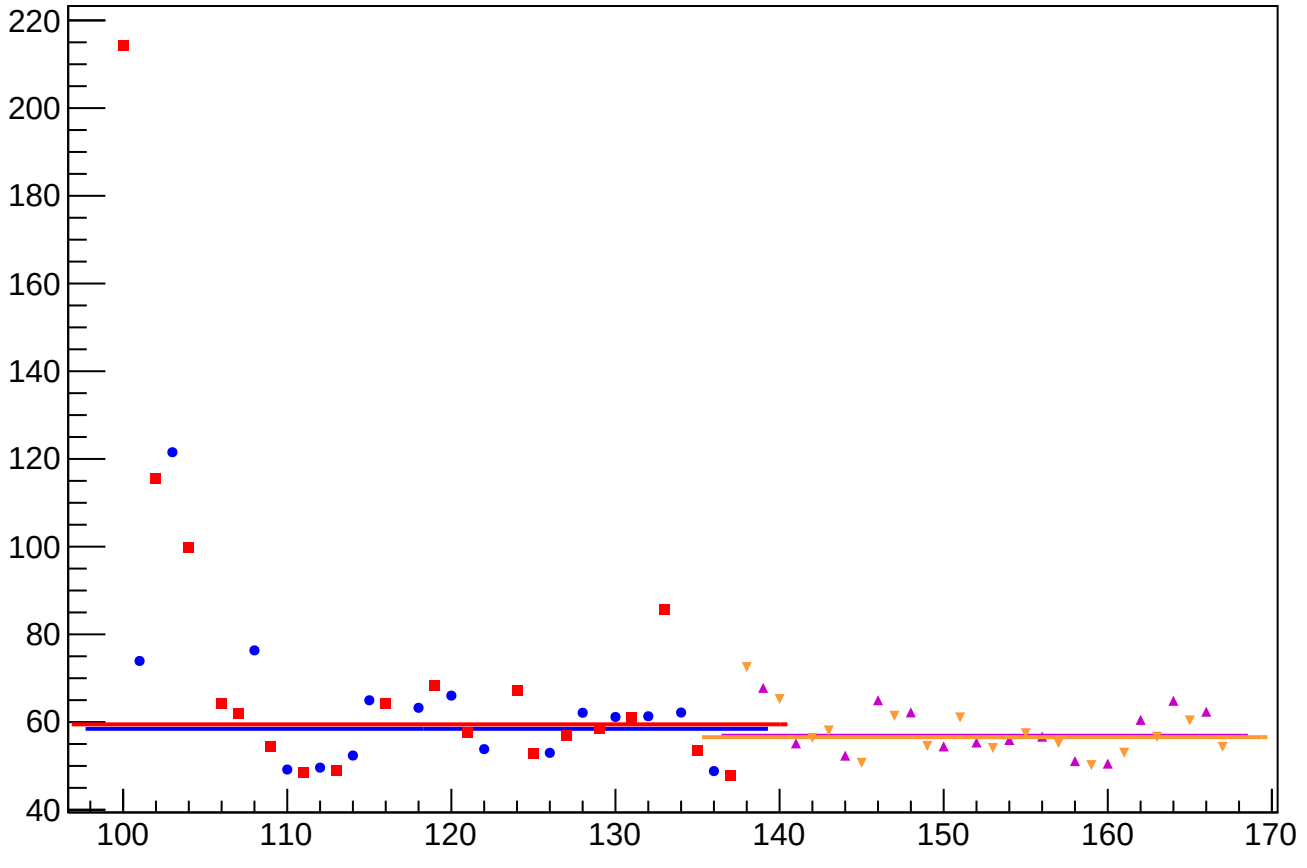
Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 403.174+/-0.068 χ^2/NDF:2234339.6/29

Out: 401.974+/-0.066 χ^2/NDF:2508862.9/34

All: 402.551+/-0.047 χ^2/NDF: 4743363.3/64


eigen_dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
Right In: 3.597+/-22.480 χ²/NDF: 16.1/15
Left Out: 41.679+/-16.136 χ²/NDF:13.7/15
Right Out: 21.251+/-22.769 χ²/NDF: 24.4/18
Left In: 46.508+/-16.981 χ²/NDF:20.2/13
Left: 43.970+/-11.697 χ²/NDF: 34.0/29
Right: 12.312+/-15.997 χ²/NDF: 40.9/34
In: 30.919+/-13.549 χ²/NDF:38.7/29
Out: 34.849+/-13.165 χ²/NDF:38.6/34
All: 32.941+/-9.442 χ²/NDF: 77.4/64



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.557+/-0.011 χ^2/NDF:192183.3/15

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.879+/-0.012 χ^2/NDF:182893.7/13

Left: 56.710+/-0.008 χ^2/NDF: 375454.2/29

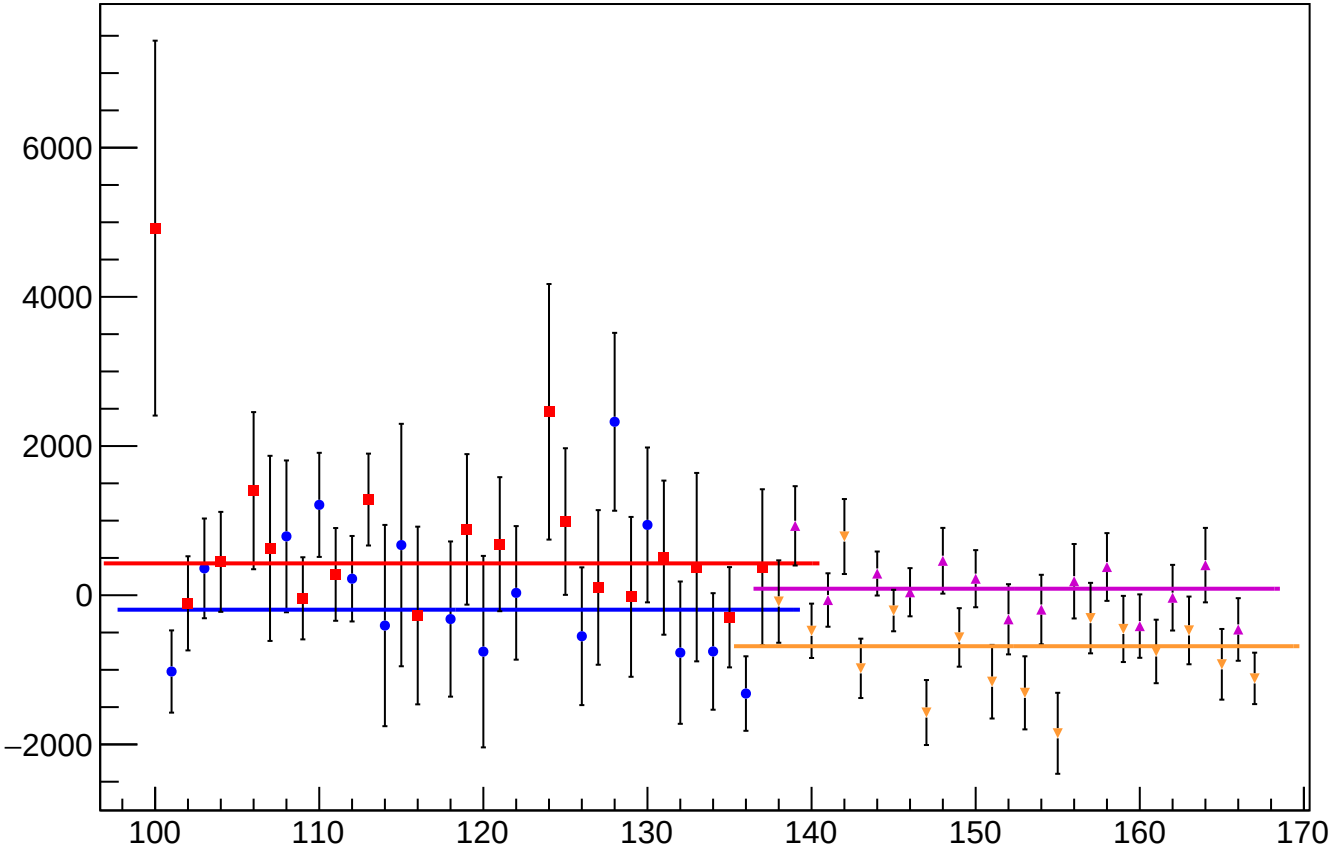
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.455+/-0.010 χ^2/NDF:772216.8/29

Out: 57.536+/-0.009 χ^2/NDF:999063.0/34

All: 57.497+/-0.007 χ^2/NDF: 1771316.1/64

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -683.443+/-105.258 χ^2/NDF:28.0/15

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 87.210+/-109.936 χ^2/NDF:9.2/13

Left: -314.862+/-76.029 χ^2/NDF: 62.8/29

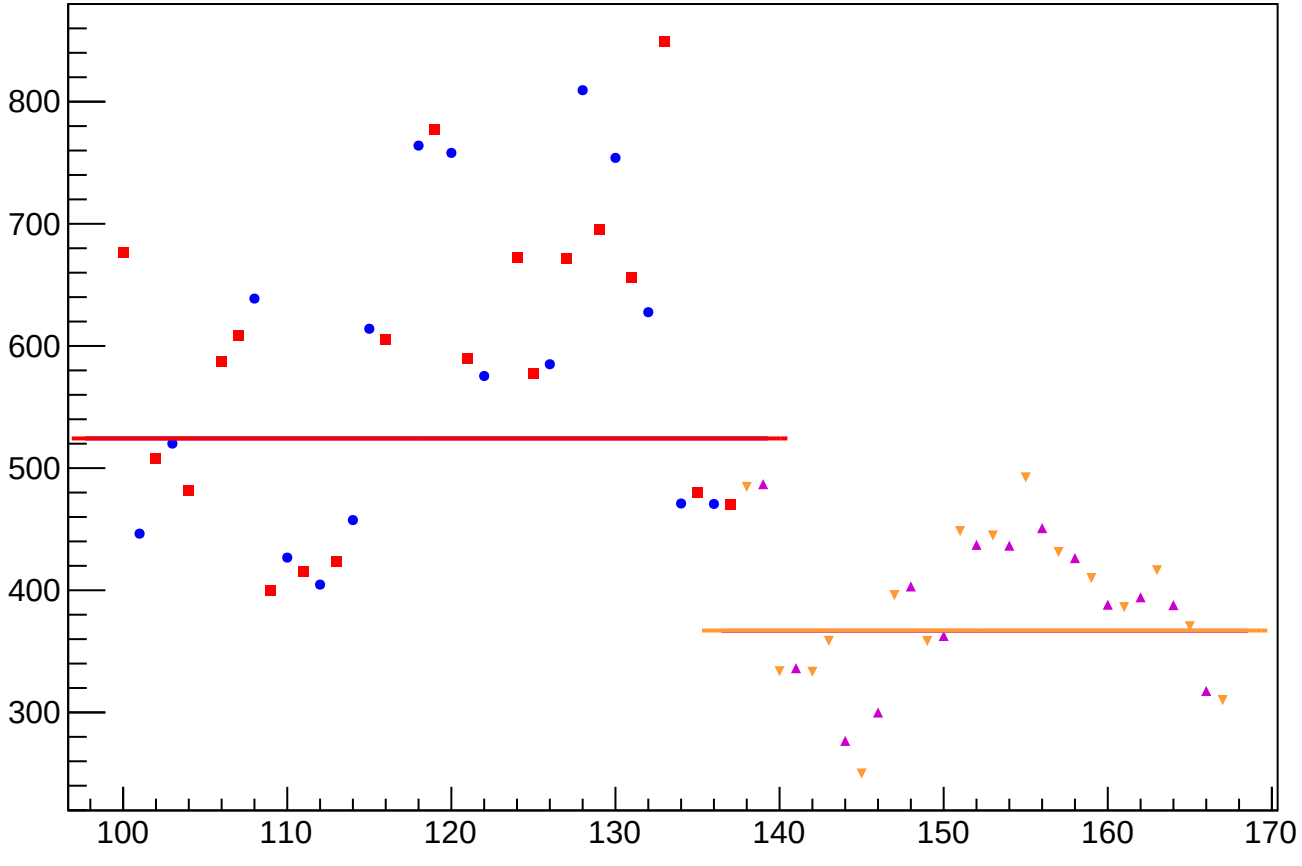
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 22.283+/-96.408 χ^2/NDF:31.5/29

Out: -436.848+/-92.838 χ^2/NDF:64.0/34

All: -215.941+/-66.873 χ^2/NDF: 107.3/64

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 367.051+/-0.074 χ^2/NDF:831461.6/15

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 366.787+/-0.078 χ^2/NDF:627273.5/13

Left: 366.925+/-0.054 χ^2/NDF: 1458741.1/29

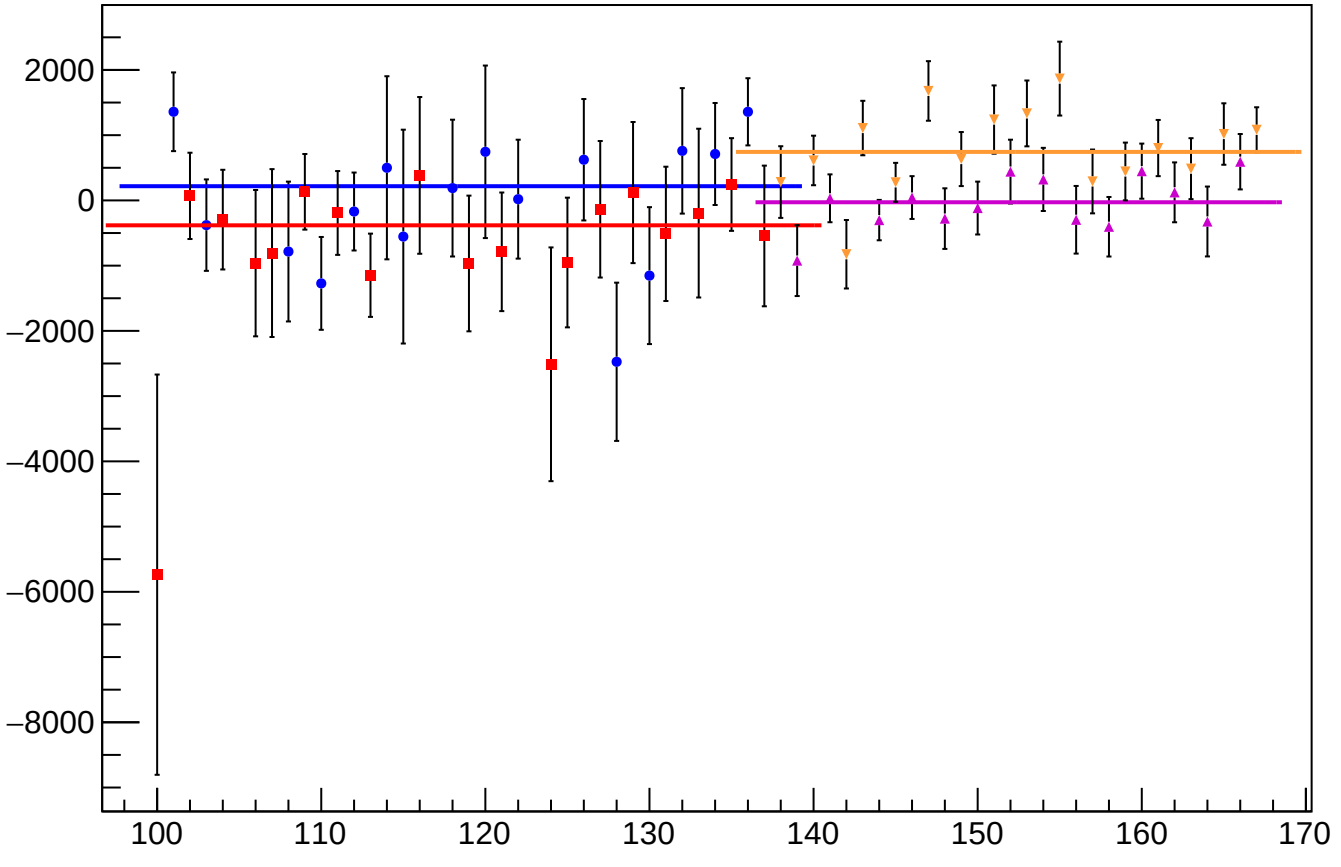
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 403.174+/-0.068 χ^2/NDF:2234335.1/29

Out: 401.973+/-0.066 χ^2/NDF:2508856.4/34

All: 402.551+/-0.047 χ^2/NDF: 4743352.3/64

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 743.505+/-108.933 χ^2/NDF:26.4/15

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -28.284+/-113.497 χ^2/NDF:10.1/13

Left: 373.438+/-78.591 χ^2/NDF: 60.6/29

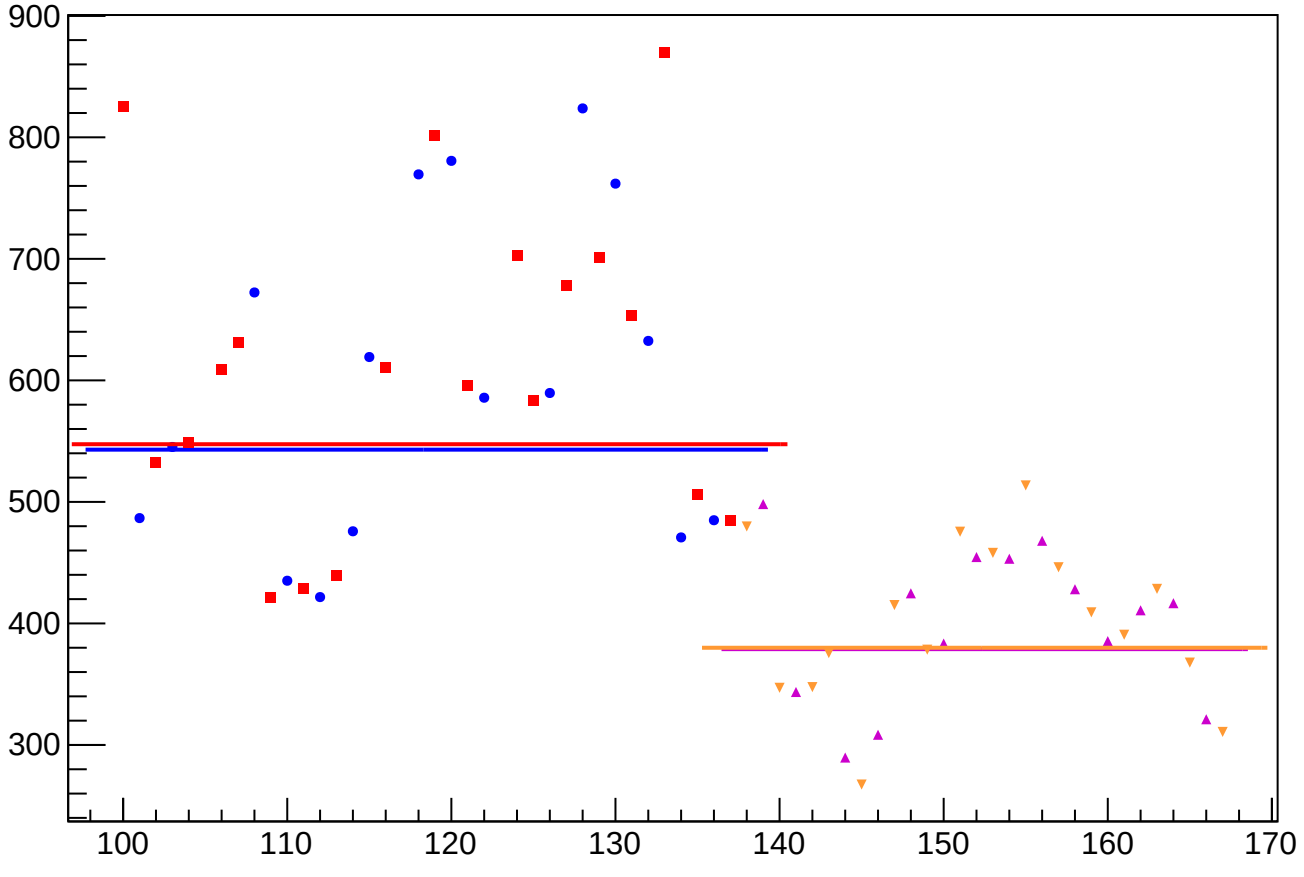
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 28.378+/-99.574 χ^2/NDF:34.1/29

Out: 496.814+/-96.256 χ^2/NDF:59.7/34

All: 270.531+/-69.206 χ^2/NDF: 105.3/64

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 379.986+/-0.077 χ^2/NDF:760155.7/15

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 378.851+/-0.080 χ^2/NDF:627980.6/13

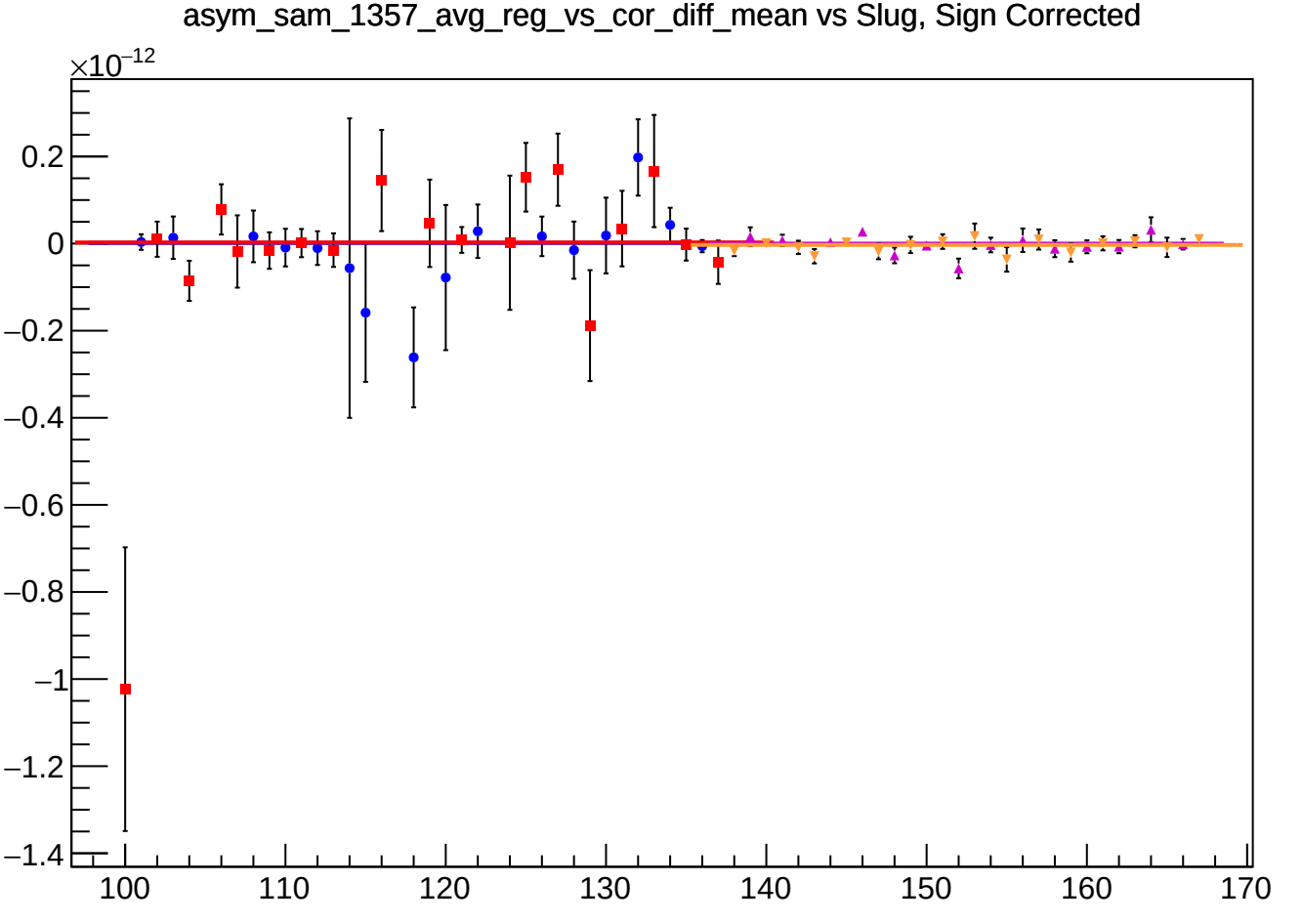
Left: 379.442+/-0.056 χ^2/NDF: 1388240.5/29

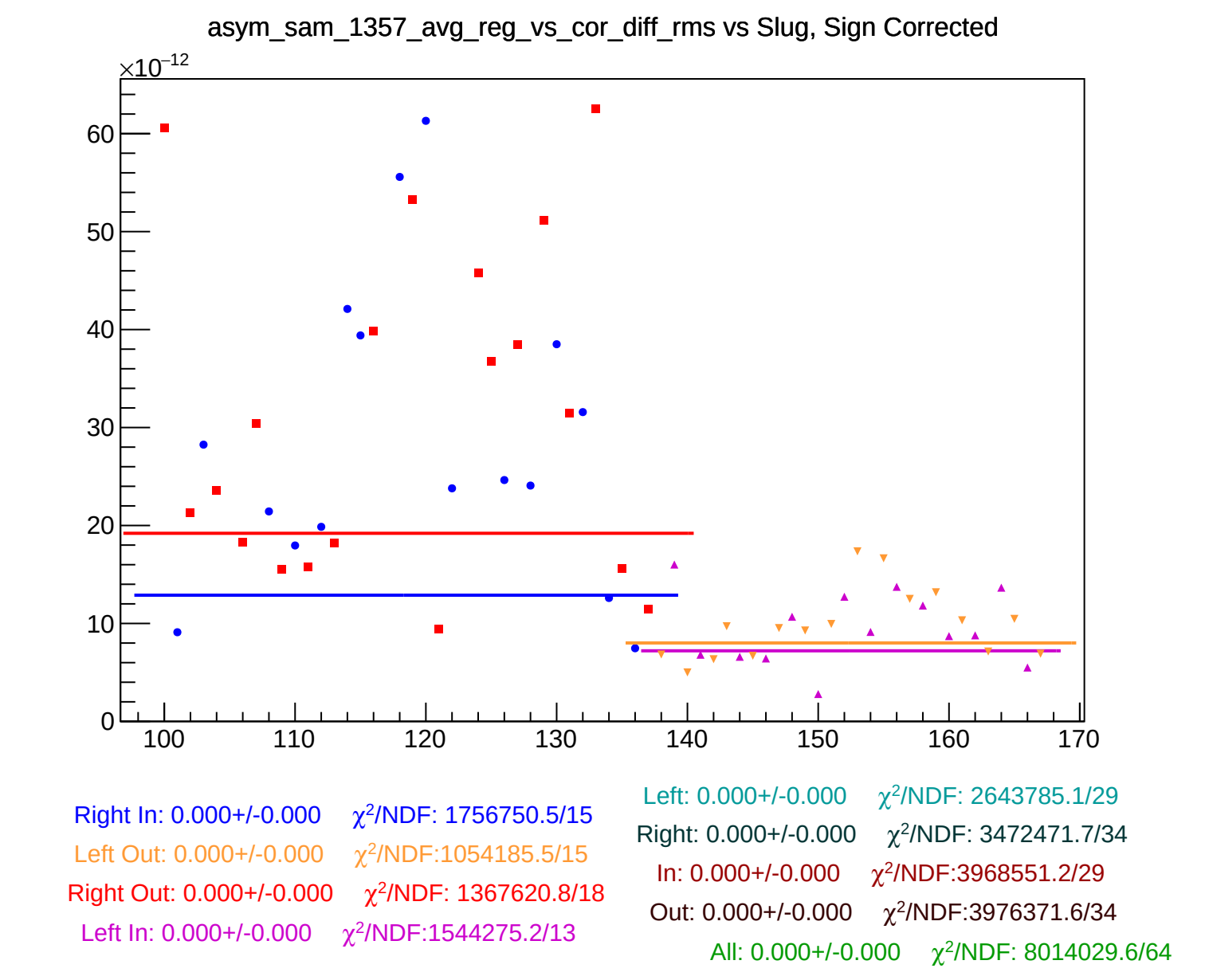
Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 416.653+/-0.070 χ^2/NDF:2196646.5/29

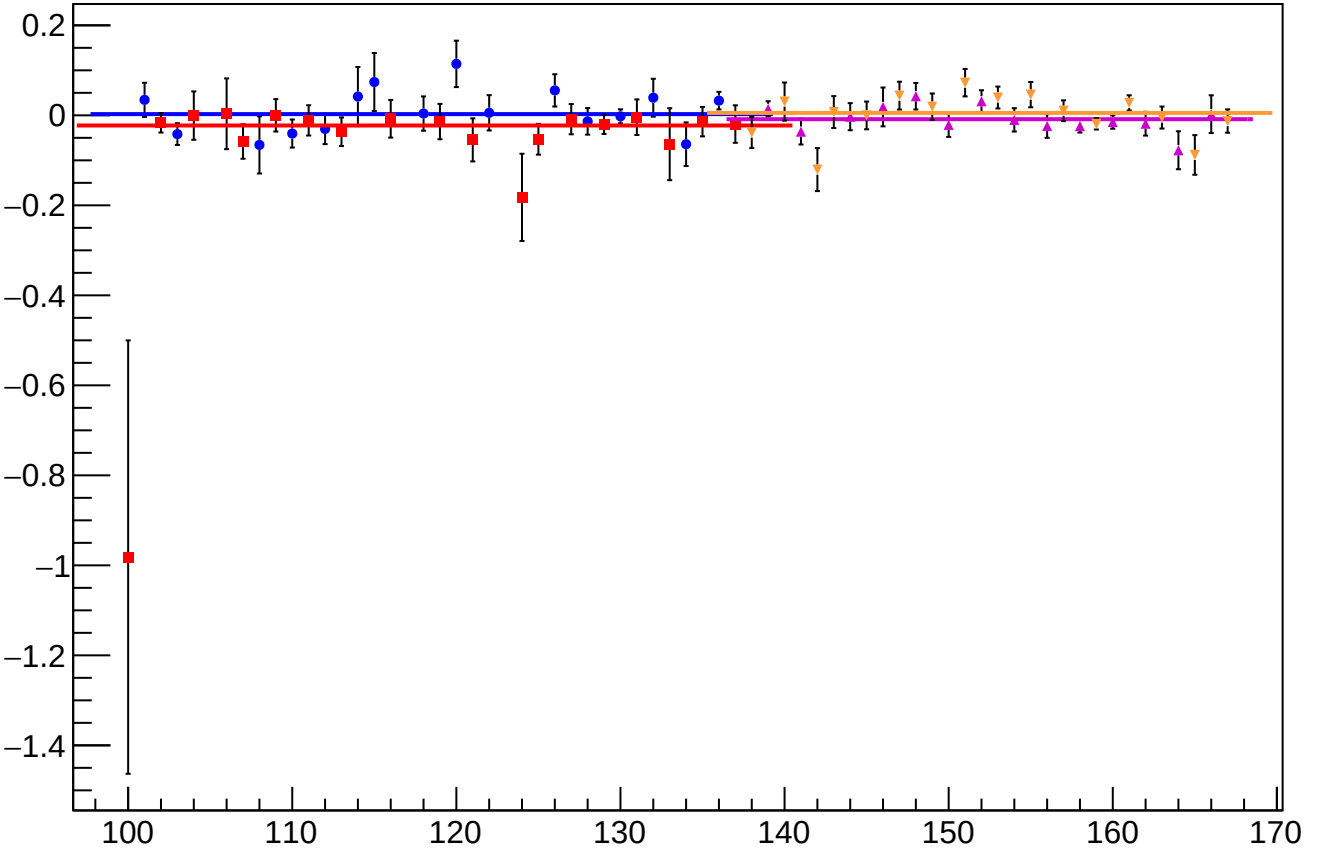
Out: 416.700+/-0.068 χ^2/NDF:2426761.9/34

All: 416.678+/-0.049 χ^2/NDF: 4623408.6/64


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:10.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 30.1/18
Left In: -0.000+/-0.000 χ²/NDF:18.0/13
Left: -0.000+/-0.000 χ²/NDF: 28.3/29
Right: 0.000+/-0.000 χ²/NDF: 43.7/34
In: 0.000+/-0.000 χ²/NDF:31.7/29
Out: -0.000+/-0.000 χ²/NDF:40.2/34
All: -0.000+/-0.000 χ²/NDF: 72.2/64


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1054185.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1544275.2/13
Left: 0.000+/-0.000 χ²/NDF: 2643785.1/29
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3968551.2/29
Out: 0.000+/-0.000 χ²/NDF:3976371.6/34
All: 0.000+/-0.000 χ²/NDF: 8014029.6/64

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF:30.3/15

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.7/13

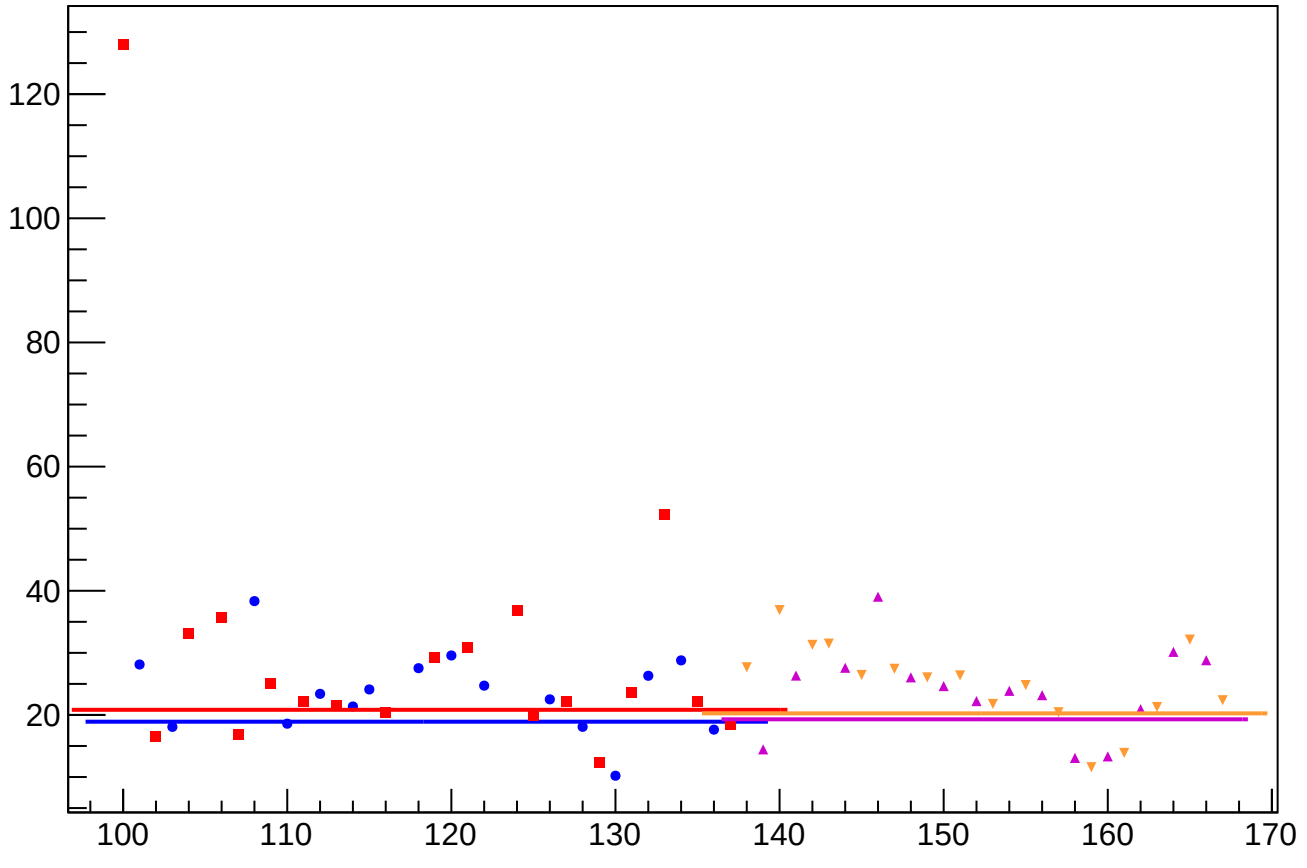
Left: -0.002+/-0.004 χ^2/NDF: 46.4/29

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/29

Out: -0.005+/-0.005 χ^2/NDF:48.1/34

All: -0.004+/-0.004 χ^2/NDF: 85.0/64



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503634.5/15

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.296+/-0.004 χ^2/NDF:2127005.5/13

Left: 19.771+/-0.003 χ^2/NDF: 4653907.3/29

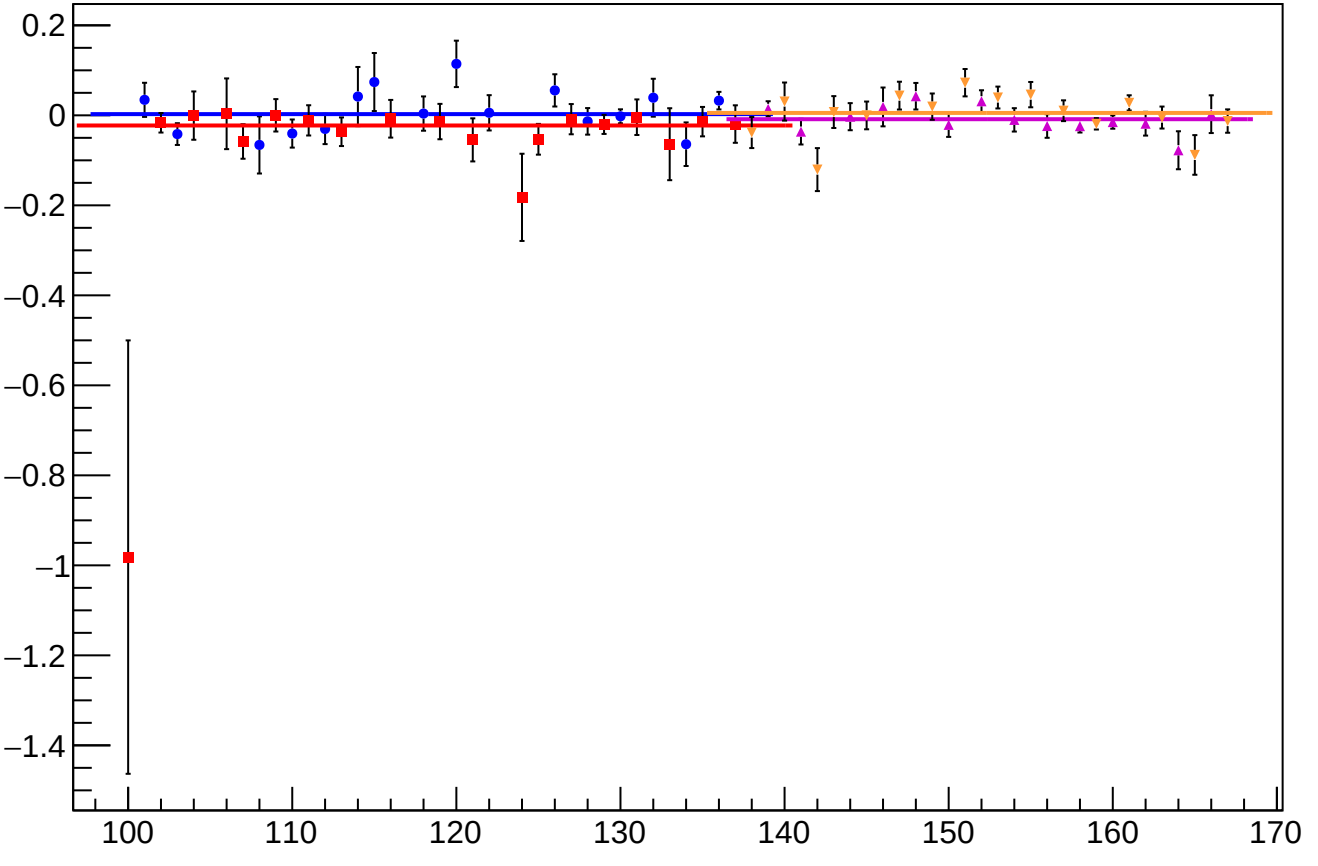
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.145+/-0.003 χ^2/NDF:3520312.9/29

Out: 20.458+/-0.004 χ^2/NDF:3801097.7/34

All: 19.779+/-0.002 χ^2/NDF: 7391263.9/64

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF:30.3/15

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.7/13

Left: -0.002+/-0.004 χ^2/NDF: 46.4/29

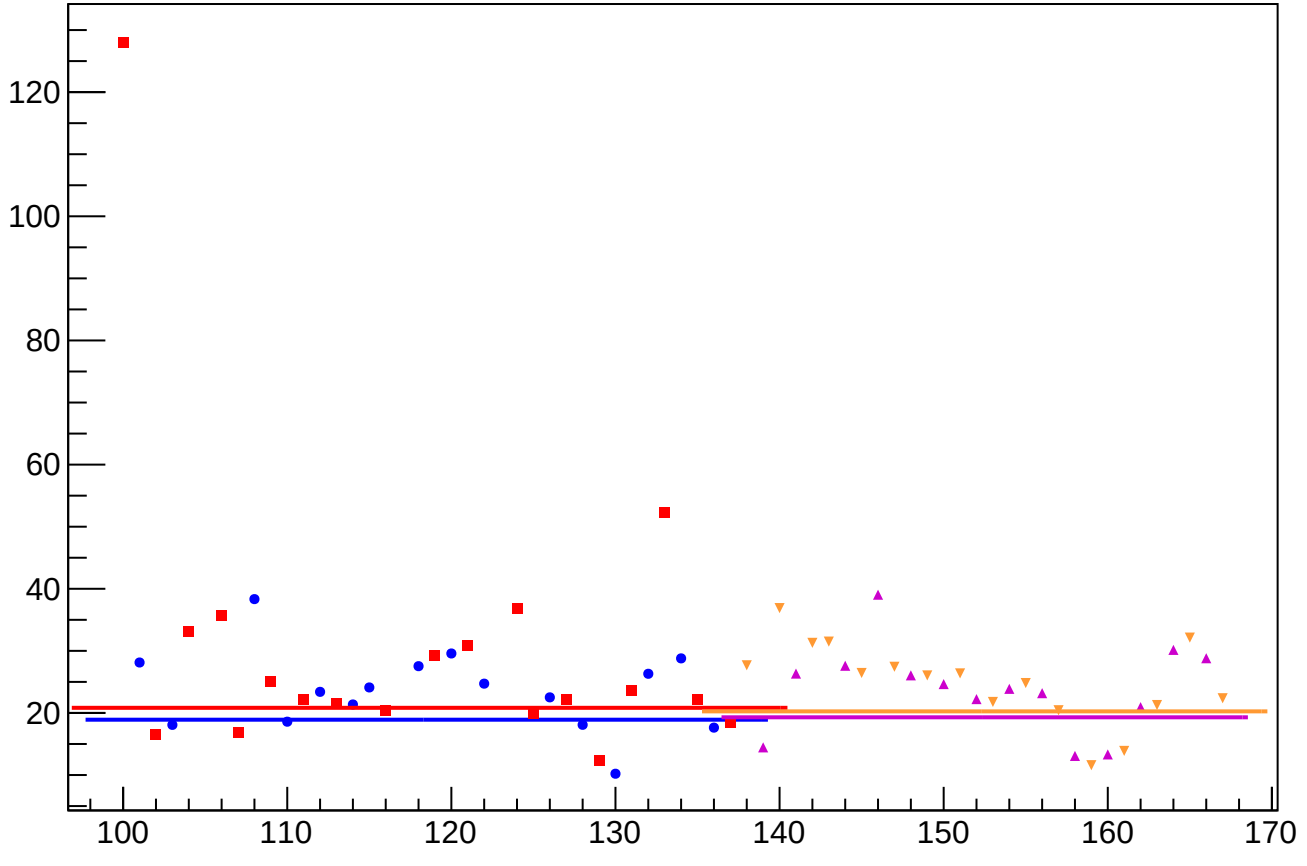
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/29

Out: -0.005+/-0.005 χ^2/NDF:48.1/34

All: -0.004+/-0.004 χ^2/NDF: 85.0/64

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503634.5/15

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.296+/-0.004 χ^2/NDF:2127005.5/13

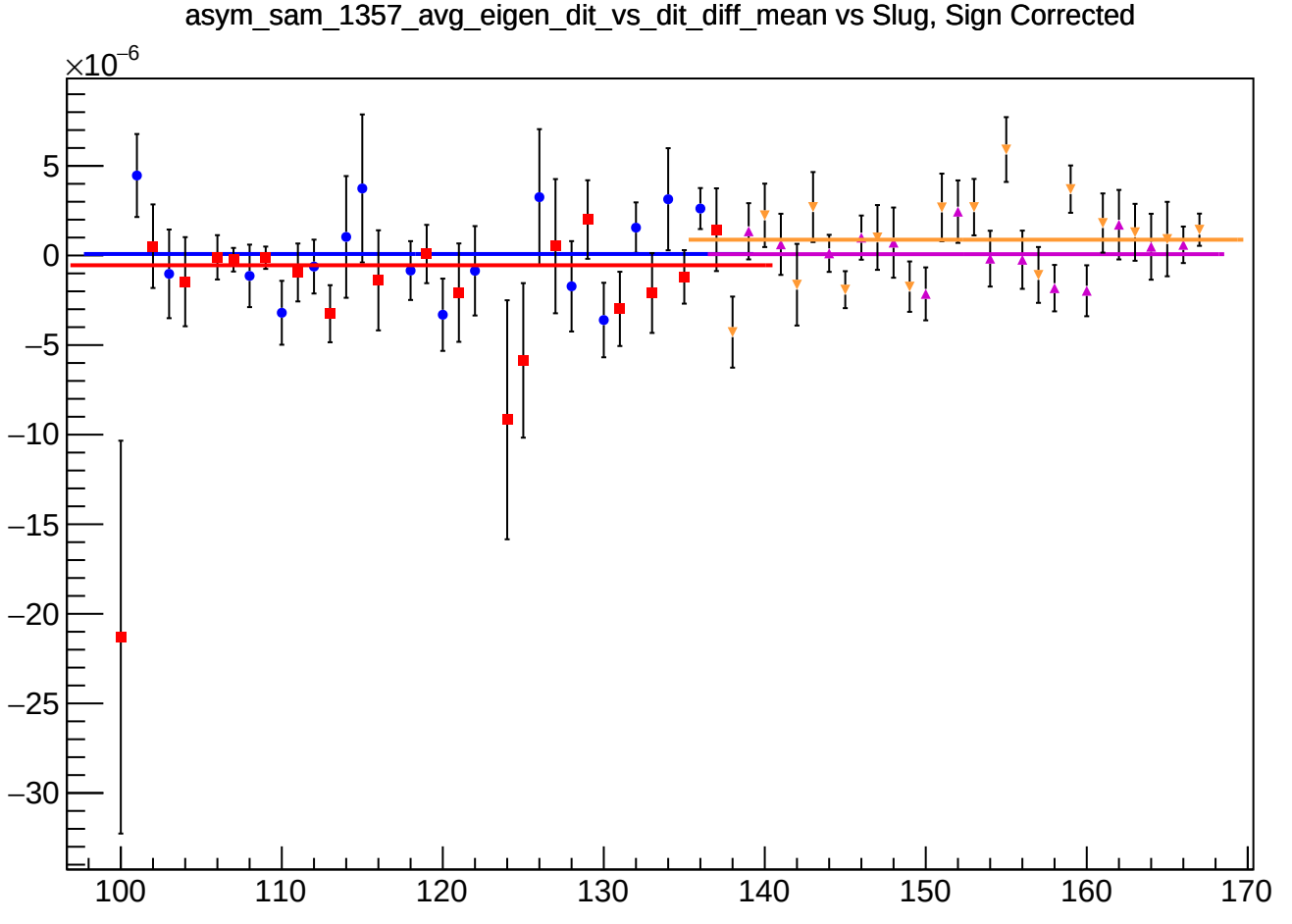
Left: 19.771+/-0.003 χ^2/NDF: 4653907.3/29

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.145+/-0.003 χ^2/NDF:3520312.9/29

Out: 20.458+/-0.004 χ^2/NDF:3801097.7/34

All: 19.779+/-0.002 χ^2/NDF: 7391263.9/64



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/13

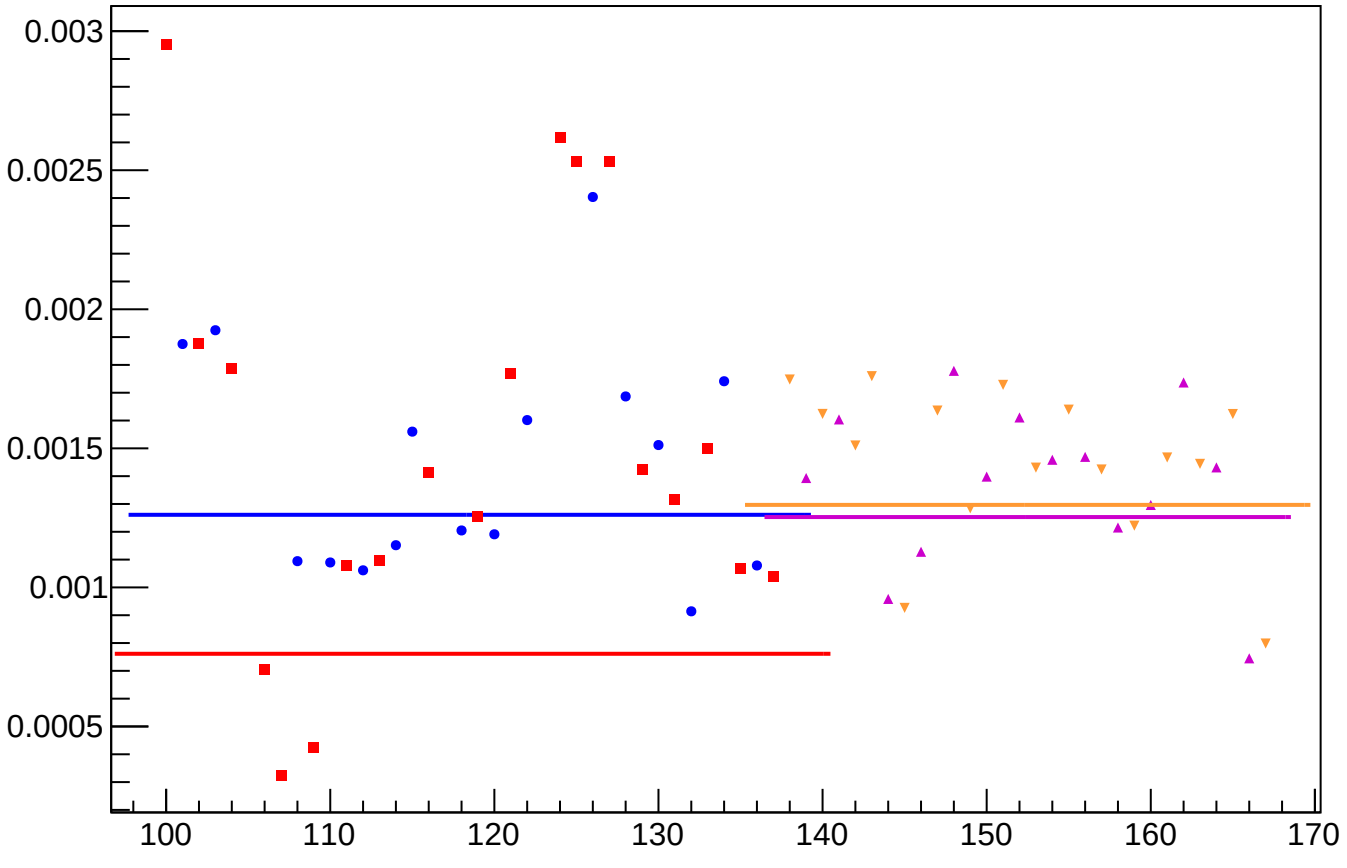
Left: 0.000+/-0.000 χ^2/NDF: 50.2/29

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:34.4/29

Out: 0.000+/-0.000 χ^2/NDF:60.7/34

All: 0.000+/-0.000 χ^2/NDF: 95.0/64



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:1543662.8/15

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1245203.8/13

Left: 0.001+/-0.000 χ^2/NDF: 2802066.0/29

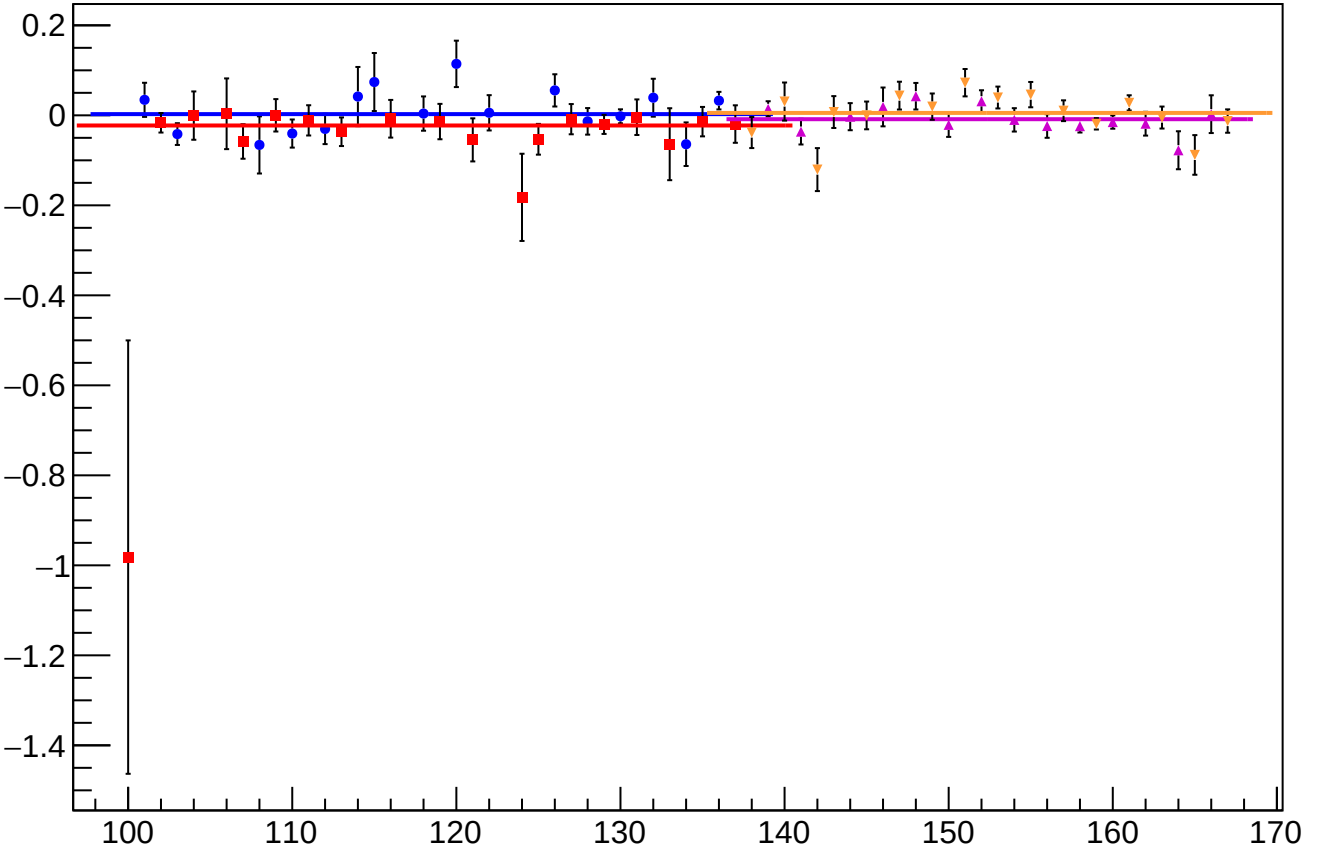
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2152887.6/29

Out: 0.001+/-0.000 χ^2/NDF:8441811.8/34

All: 0.001+/-0.000 χ^2/NDF: 11448266.3/64

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF:30.3/15

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.7/13

Left: -0.002+/-0.004 χ^2/NDF: 46.4/29

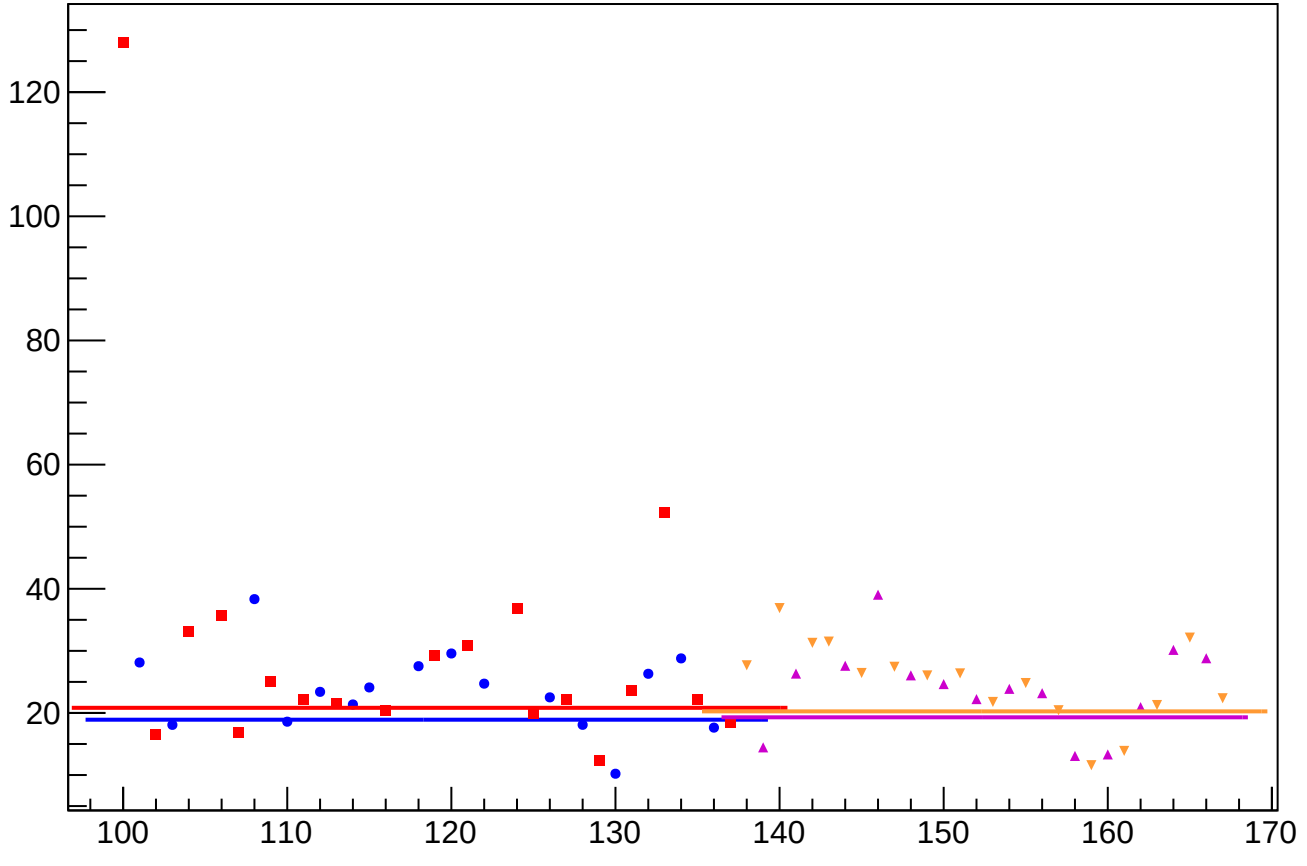
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/29

Out: -0.005+/-0.005 χ^2/NDF:48.1/34

All: -0.004+/-0.004 χ^2/NDF: 85.0/64

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503831.6/15

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.296+/-0.004 χ^2/NDF:2127103.0/13

Left: 19.772+/-0.003 χ^2/NDF: 4654194.9/29

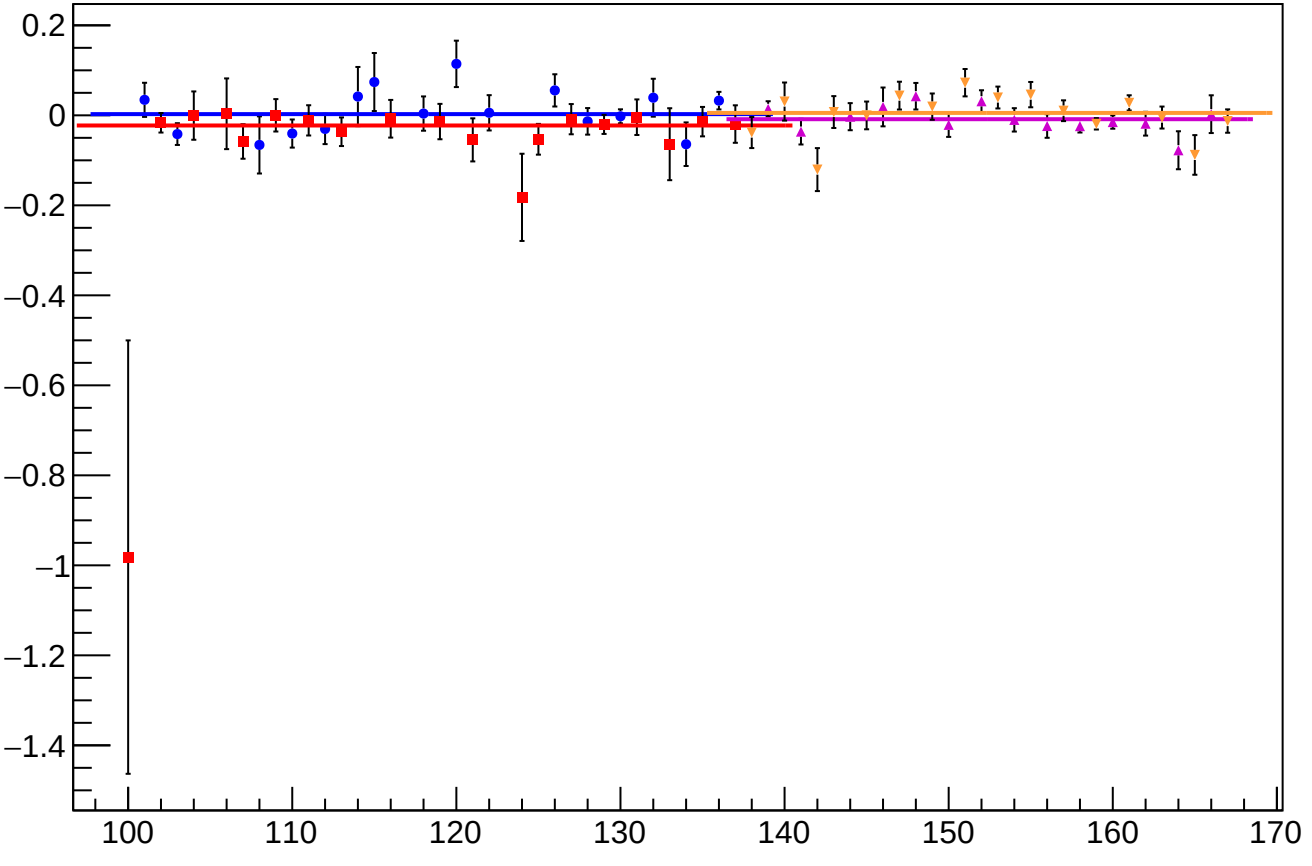
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.146+/-0.003 χ^2/NDF:3520291.0/29

Out: 20.458+/-0.004 χ^2/NDF:3801294.3/34

All: 19.780+/-0.002 χ^2/NDF: 7391419.6/64

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF:30.3/15

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.7/13

Left: -0.002+/-0.004 χ^2/NDF: 46.4/29

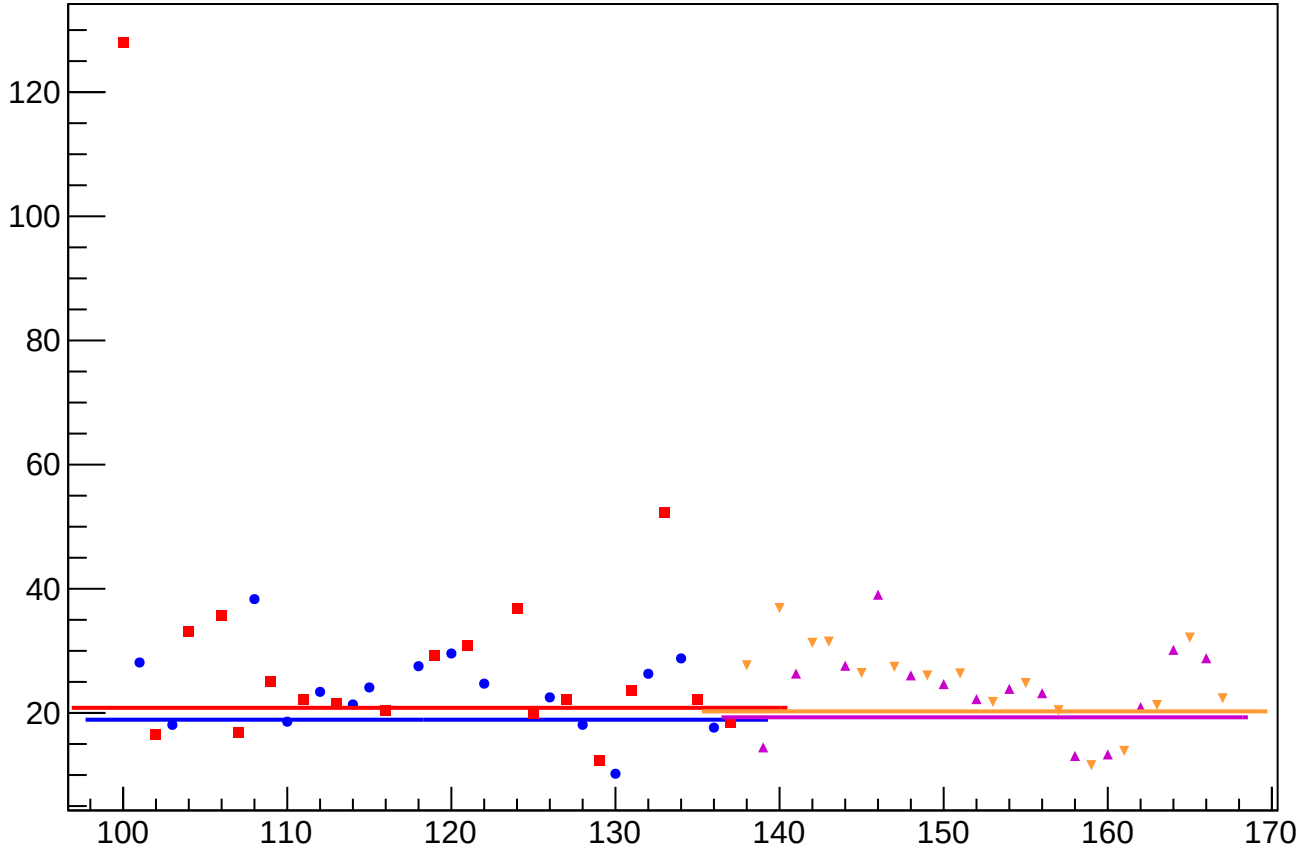
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/29

Out: -0.005+/-0.005 χ^2/NDF:48.1/34

All: -0.004+/-0.004 χ^2/NDF: 85.0/64

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503831.6/15

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.296+/-0.004 χ^2/NDF:2127103.0/13

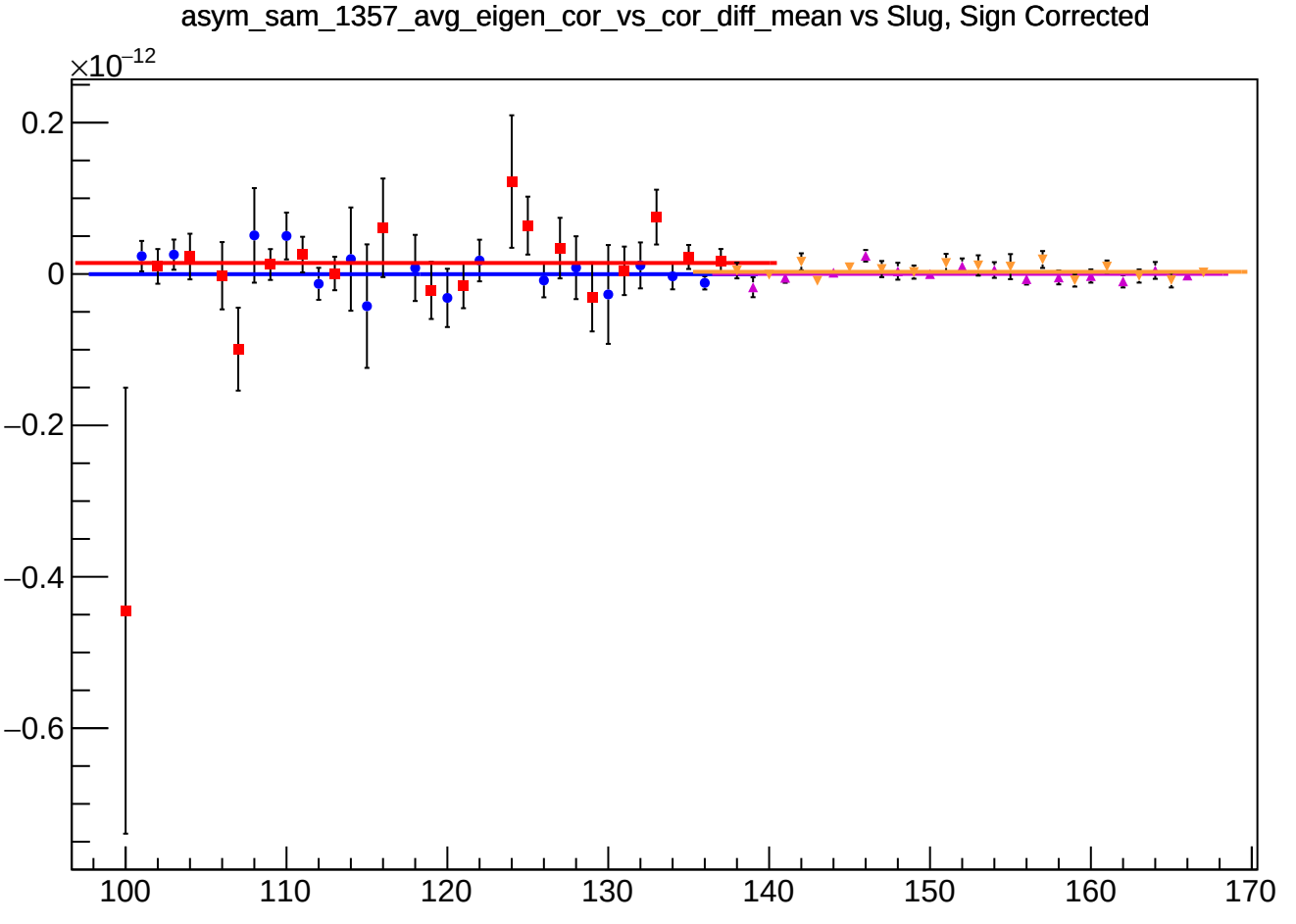
Left: 19.772+/-0.003 χ^2/NDF: 4654194.9/29

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.146+/-0.003 χ^2/NDF:3520291.0/29

Out: 20.458+/-0.004 χ^2/NDF:3801294.3/34

All: 19.780+/-0.002 χ^2/NDF: 7391419.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/13

Left: 0.000+/-0.000 χ^2/NDF: 32.0/29

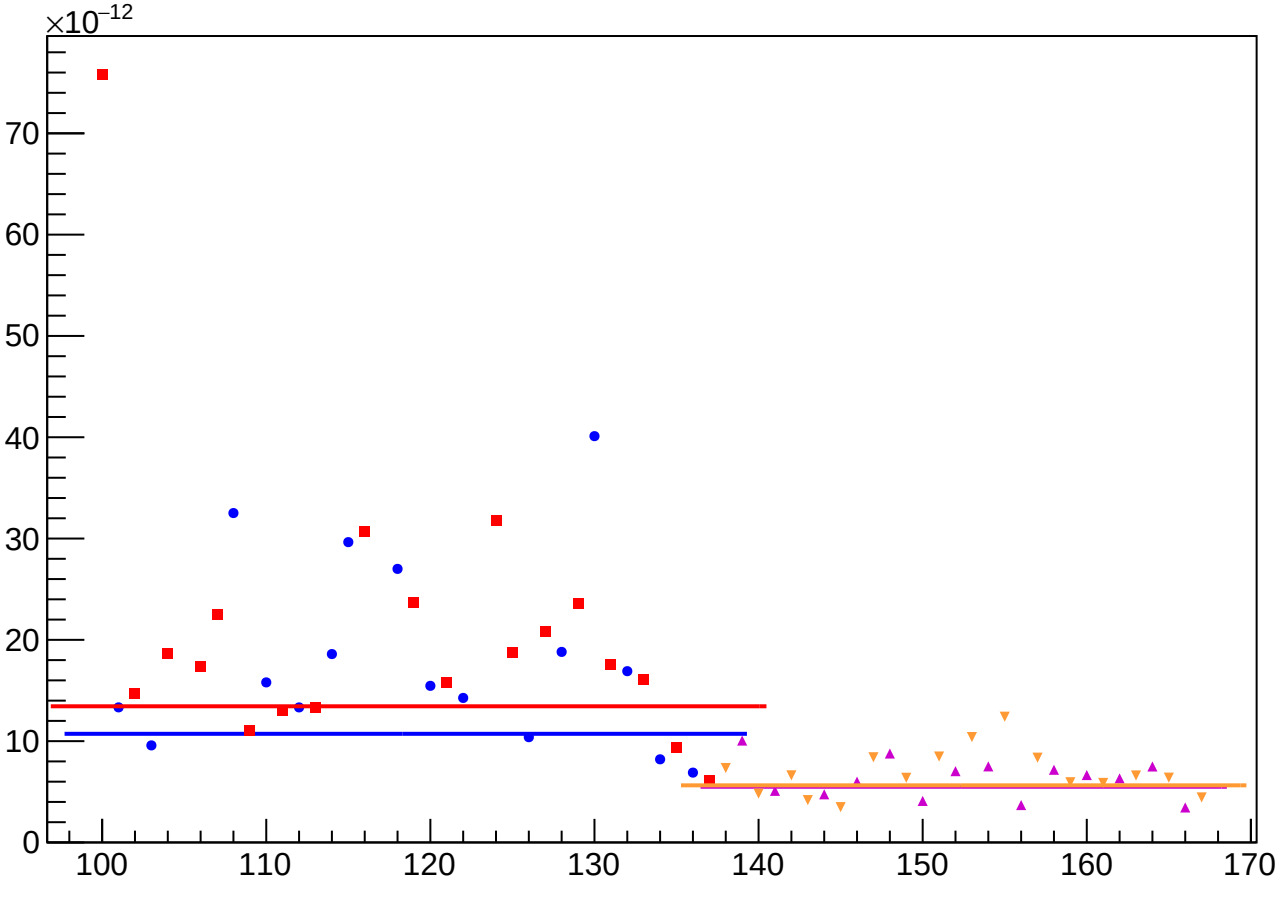
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.0/29

Out: 0.000+/-0.000 χ^2/NDF:35.2/34

All: 0.000+/-0.000 χ^2/NDF: 64.1/64

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1674504.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1232186.3/13

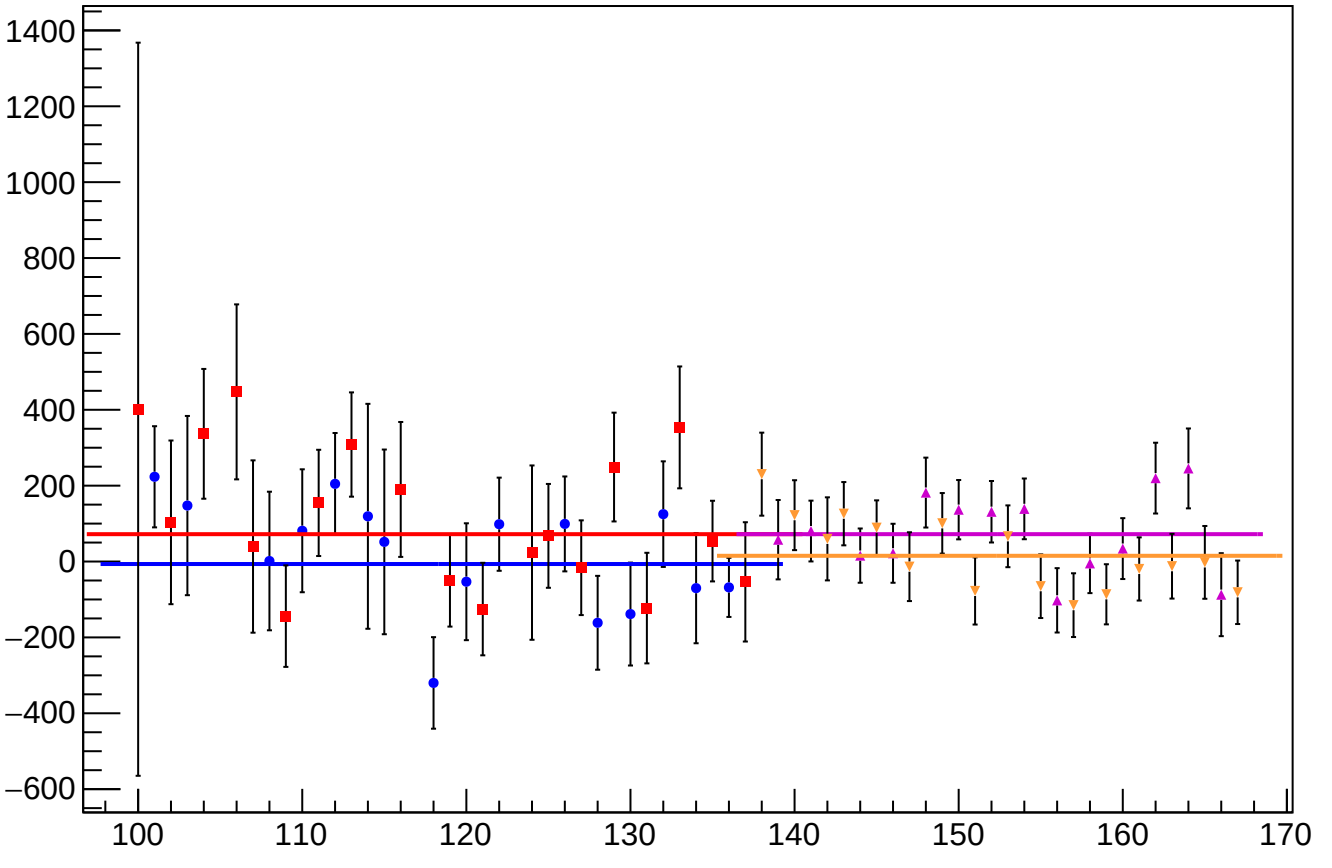
Left: 0.000+/-0.000 χ^2/NDF: 2911227.8/29

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:4588902.0/29

Out: 0.000+/-0.000 χ^2/NDF:5671707.0/34

All: 0.000+/-0.000 χ^2/NDF: 10268790.7/64



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 15.130+/-21.548 χ^2/NDF:17.5/15

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 72.153+/-22.683 χ^2/NDF:17.2/13

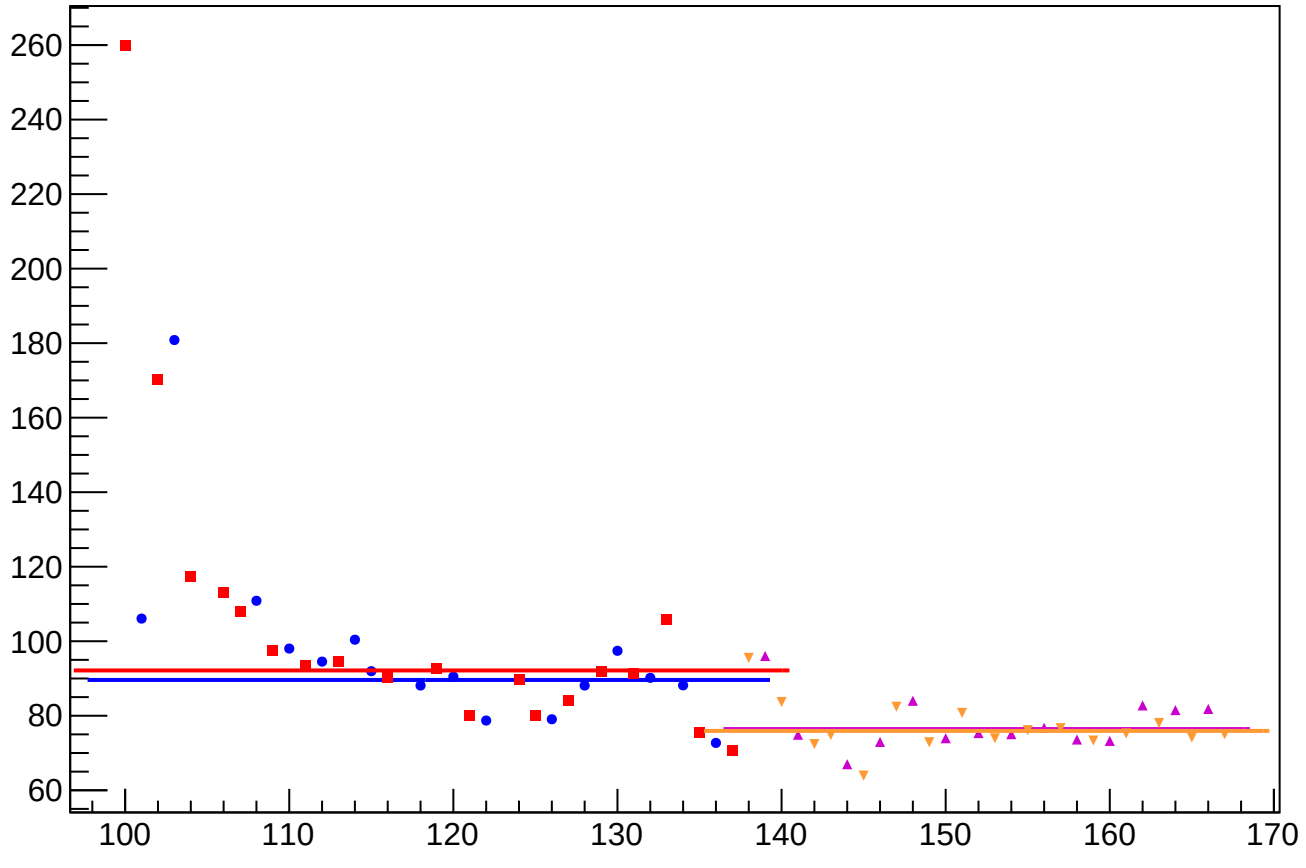
Left: 42.179+/-15.622 χ^2/NDF: 38.0/29

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 48.190+/-18.918 χ^2/NDF:39.7/29

Out: 30.871+/-18.332 χ^2/NDF:42.3/34

All: 39.259+/-13.165 χ^2/NDF: 82.4/64



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.936+/-0.015 χ^2/NDF:161054.8/15

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.422+/-0.016 χ^2/NDF:150703.8/13

Left: 76.166+/-0.011 χ^2/NDF: 312242.7/29

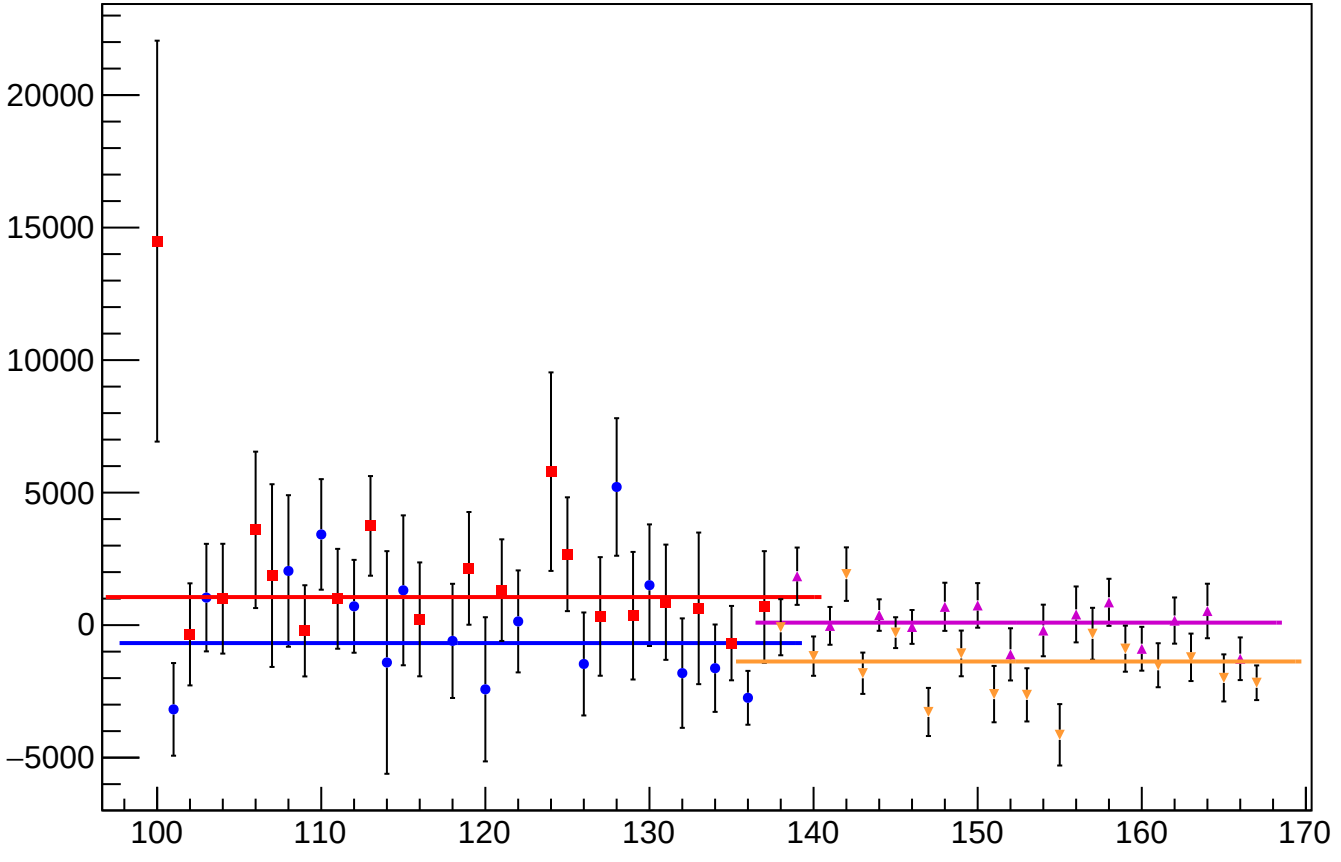
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 80.435+/-0.013 χ^2/NDF:854696.6/29

Out: 80.417+/-0.013 χ^2/NDF:1016332.8/34

All: 80.426+/-0.009 χ^2/NDF: 1871030.4/64

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1372.375+/-212.526 χ^2/NDF:32.7/15

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 93.549+/-222.243 χ^2/NDF:10.9/13

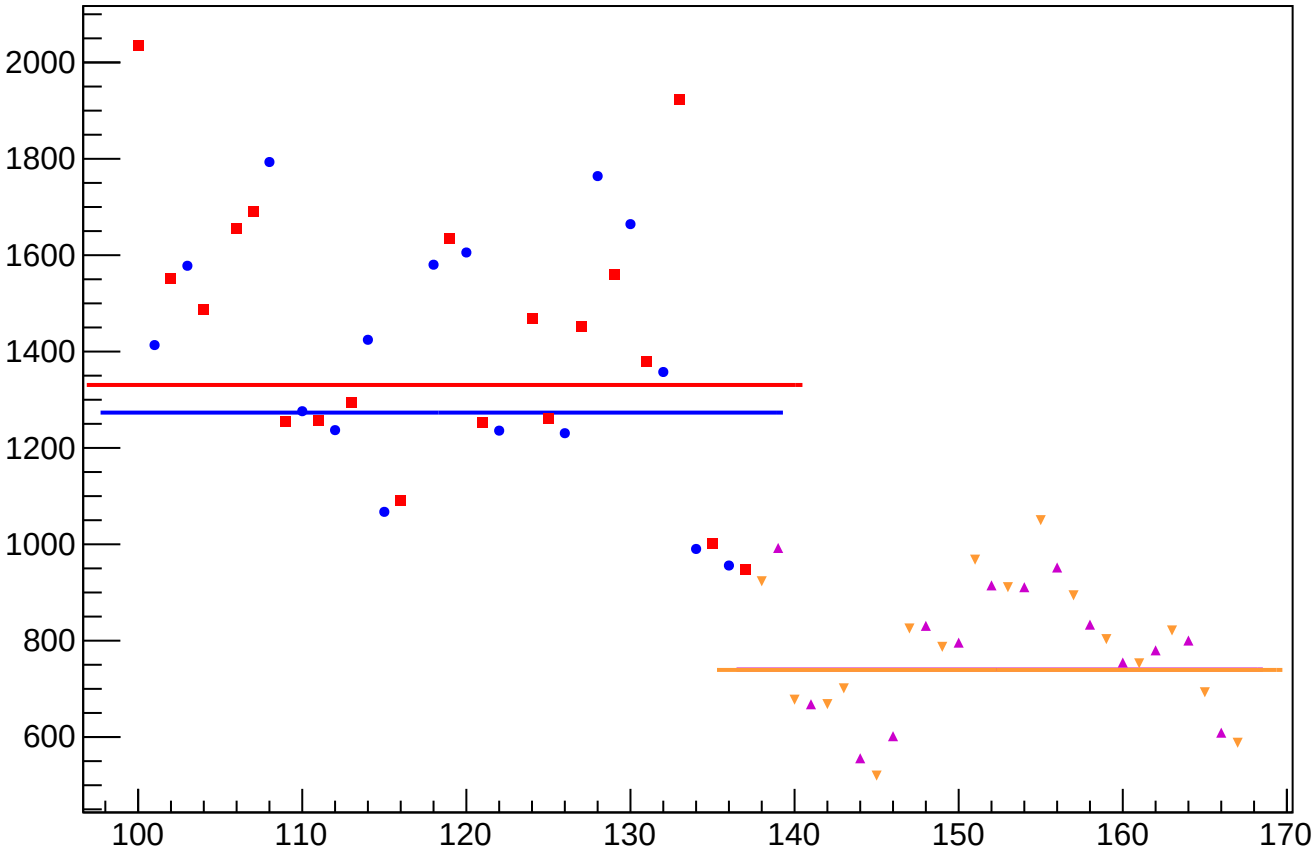
Left: -672.158+/-153.599 χ^2/NDF: 66.3/29

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -39.564+/-202.147 χ^2/NDF:33.2/29

Out: -995.715+/-195.370 χ^2/NDF:64.4/34

All: -533.936+/-140.482 χ^2/NDF: 109.2/64



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 739.305+/-0.150 χ^2/NDF:882529.5/15

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 740.126+/-0.157 χ^2/NDF:735729.4/13

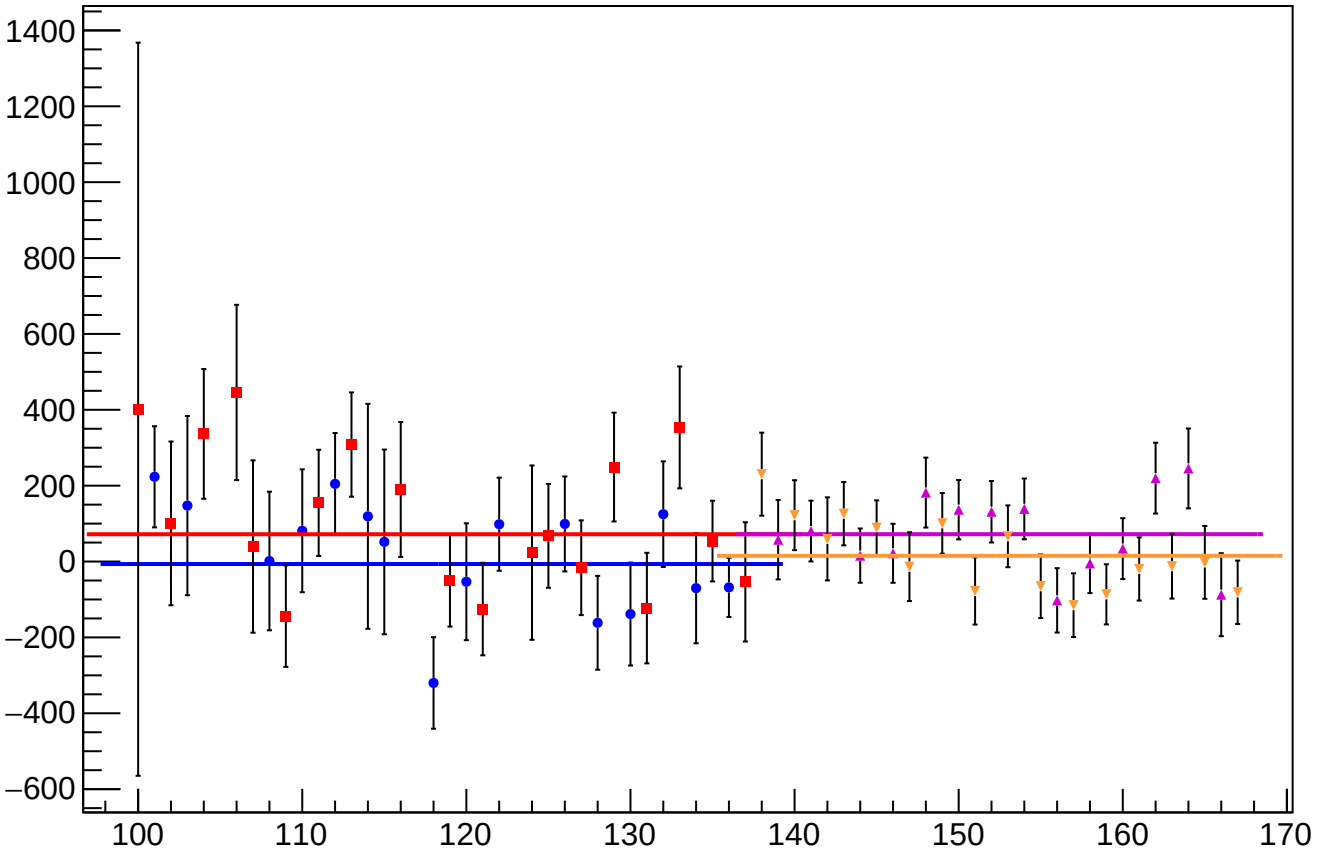
Left: 739.697+/-0.109 χ^2/NDF: 1618273.1/29

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 832.191+/-0.143 χ^2/NDF:3320989.0/29

Out: 830.928+/-0.138 χ^2/NDF:3752486.3/34

All: 831.538+/-0.099 χ^2/NDF: 7073515.7/64


cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected
1400
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−600
100
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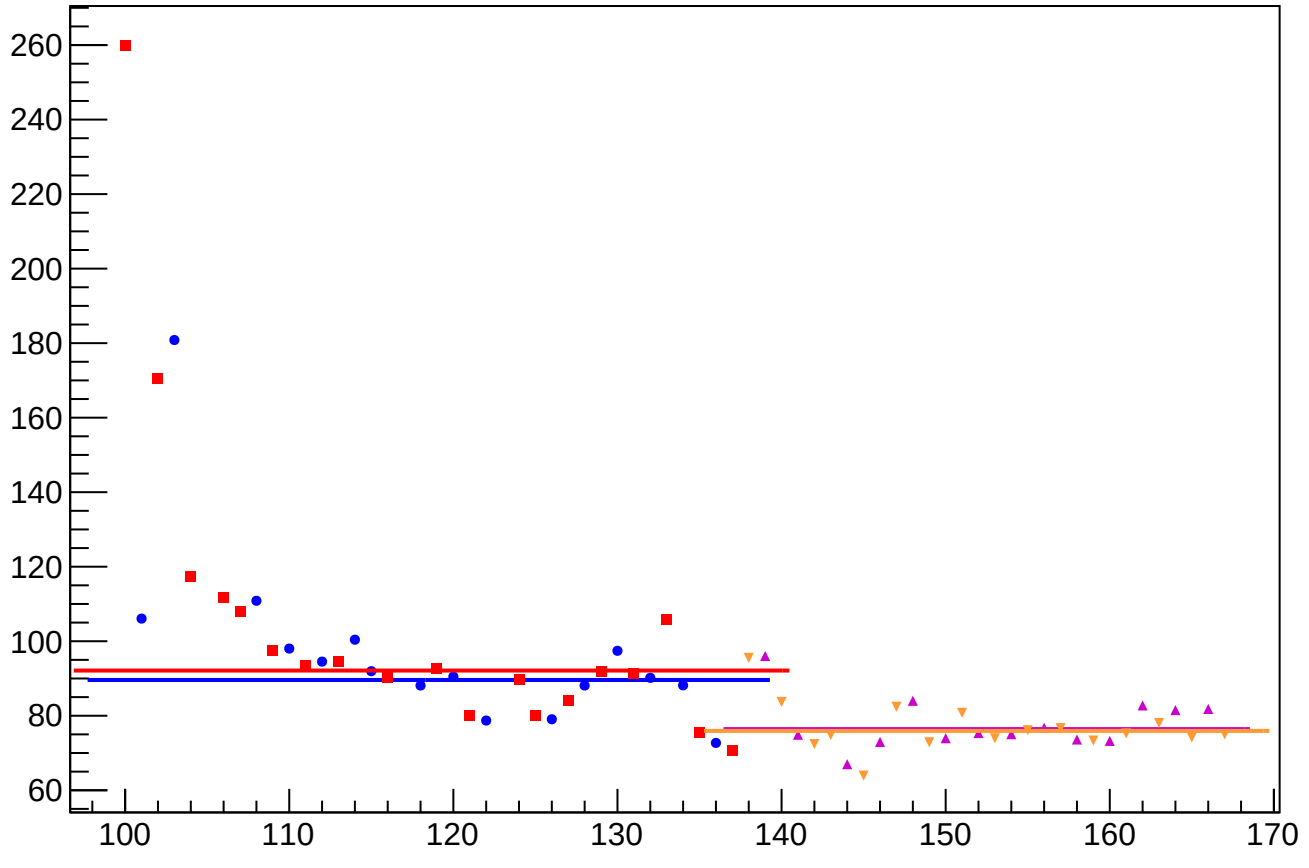
130
140
150
160
170
Right In: -6.568+/-34.286 χ²/NDF: 18.9/15
Left Out: 15.135+/-21.548 χ²/NDF:17.5/15
Right Out: 71.981+/-34.885 χ²/NDF: 22.8/18
Left In: 72.154+/-22.683 χ²/NDF:17.2/13
Left: 42.182+/-15.622 χ²/NDF: 38.0/29
Right: 32.026+/-24.453 χ²/NDF: 44.3/34
In: 48.188+/-18.918 χ²/NDF:39.7/29
Out: 30.833+/-18.332 χ²/NDF:42.2/34
All: 39.238+/-13.165 χ²/NDF: 82.4/64



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.936+/-0.015 χ^2/NDF:161054.8/15

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.422+/-0.016 χ^2/NDF:150703.8/13

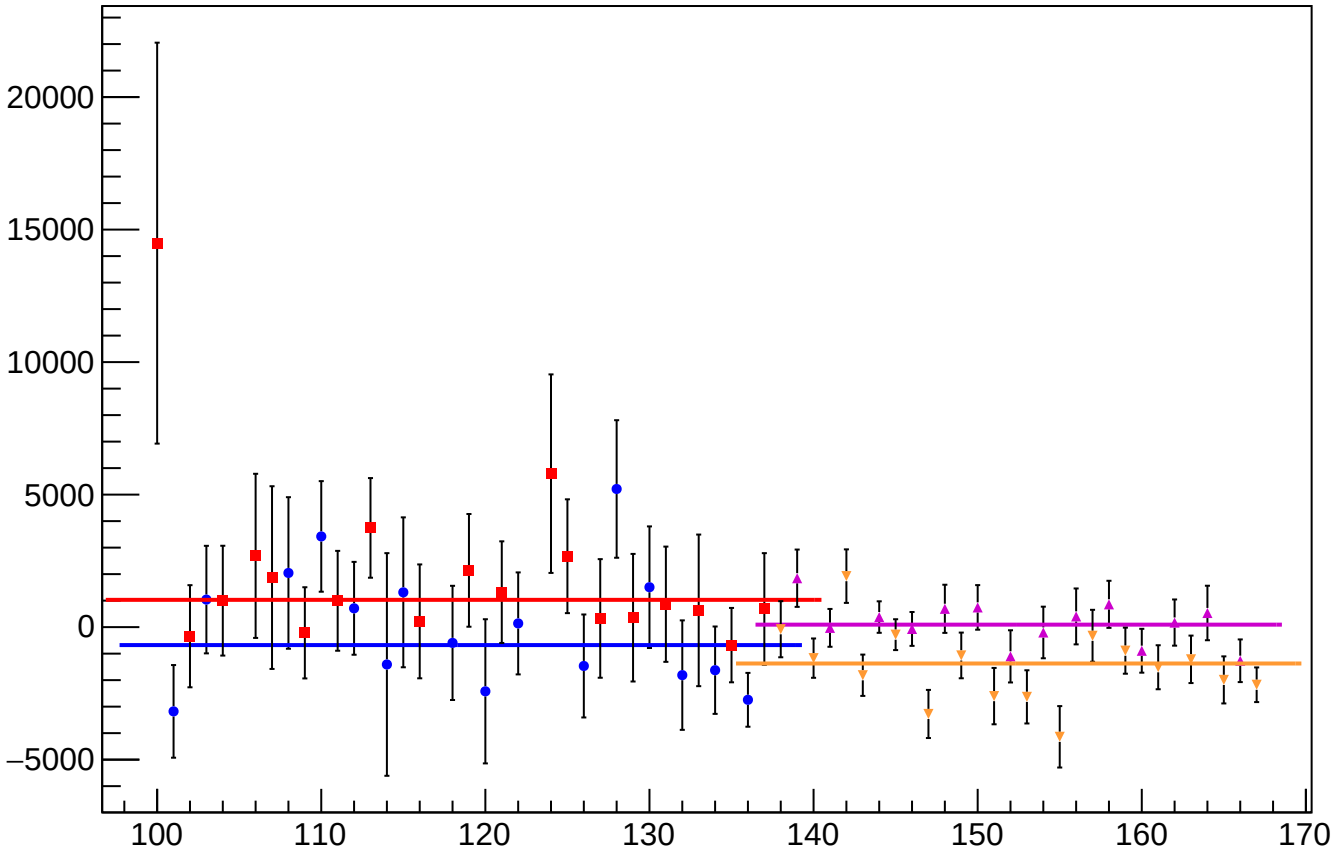
Left: 76.166+/-0.011 χ^2/NDF: 312242.7/29

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.435+/-0.013 χ^2/NDF:854700.1/29

Out: 80.408+/-0.013 χ^2/NDF:1013315.9/34

All: 80.421+/-0.009 χ^2/NDF: 1868018.2/64



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1372.367+/-212.526 χ^2/NDF:32.7/15

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 93.551+/-222.243 χ^2/NDF:10.9/13

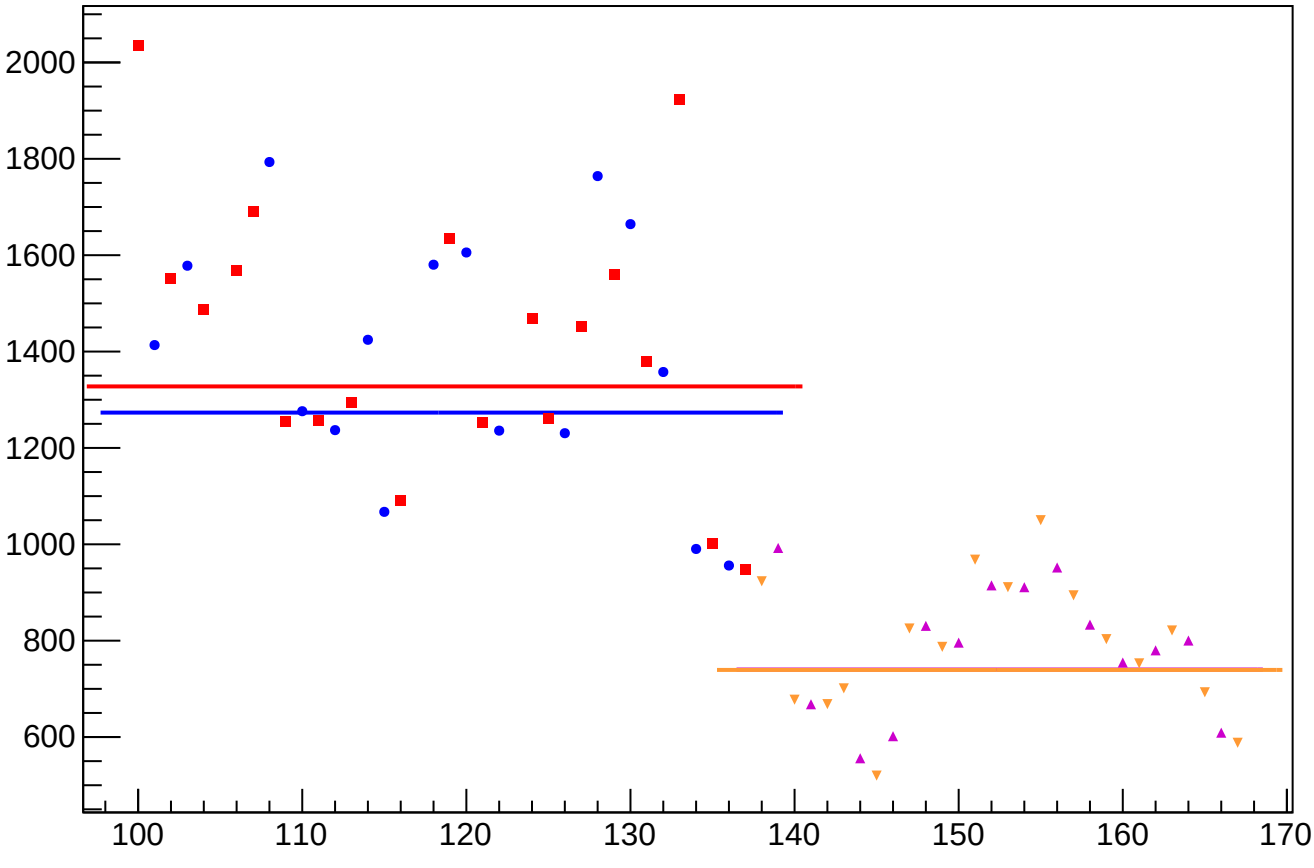
Left: -672.153+/-153.599 χ^2/NDF: 66.3/29

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -39.555+/-202.147 χ^2/NDF:33.2/29

Out: -1001.102+/-195.411 χ^2/NDF:63.4/34

All: -536.618+/-140.497 χ^2/NDF: 108.3/64



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 739.305+/-0.150 χ^2/NDF:882533.8/15

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 740.126+/-0.157 χ^2/NDF:735726.9/13

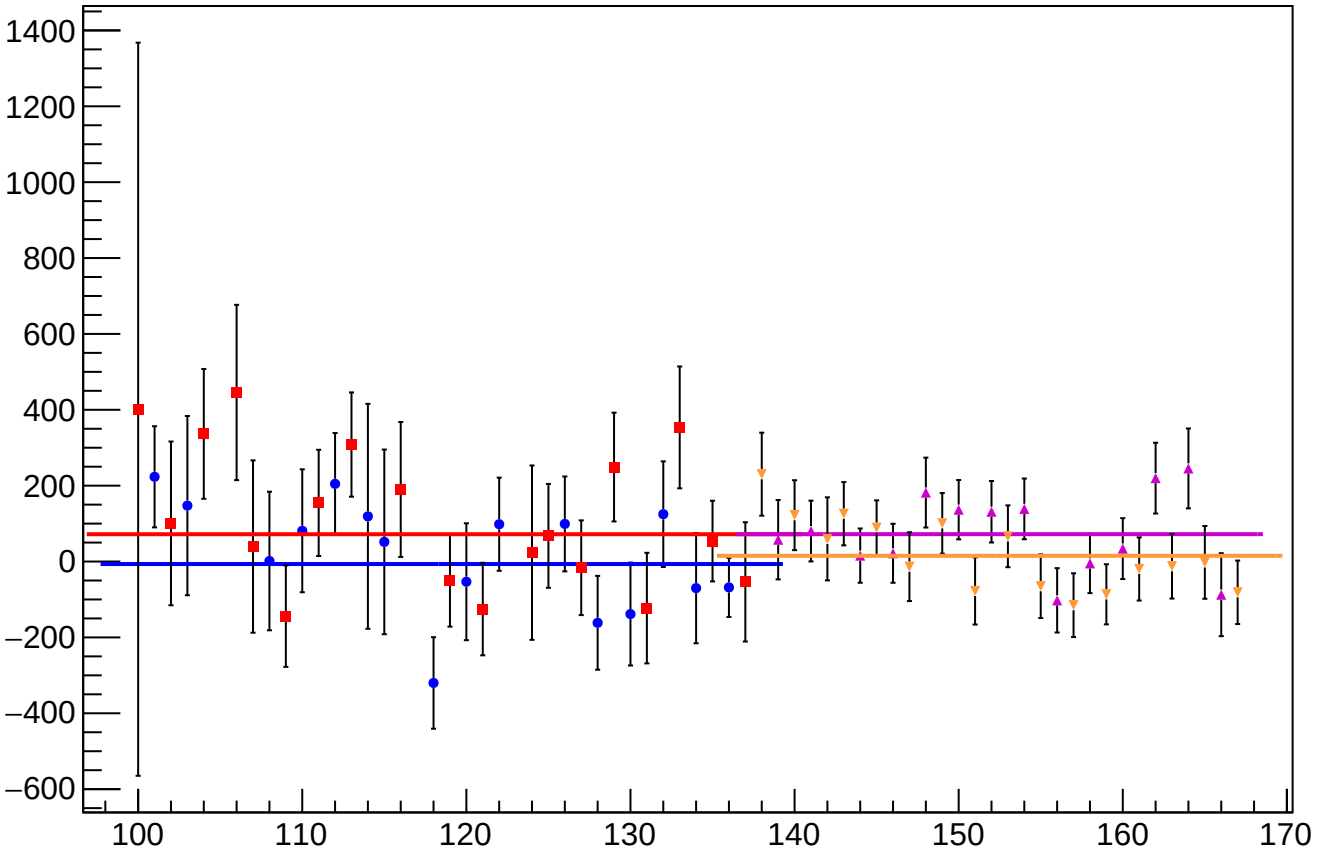
Left: 739.697+/-0.109 χ^2/NDF: 1618274.9/29

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 832.191+/-0.143 χ^2/NDF:3321024.8/29

Out: 830.253+/-0.138 χ^2/NDF:3710420.2/34

All: 831.189+/-0.099 χ^2/NDF: 7031540.0/64


eigen_cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected
1400
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−200
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100
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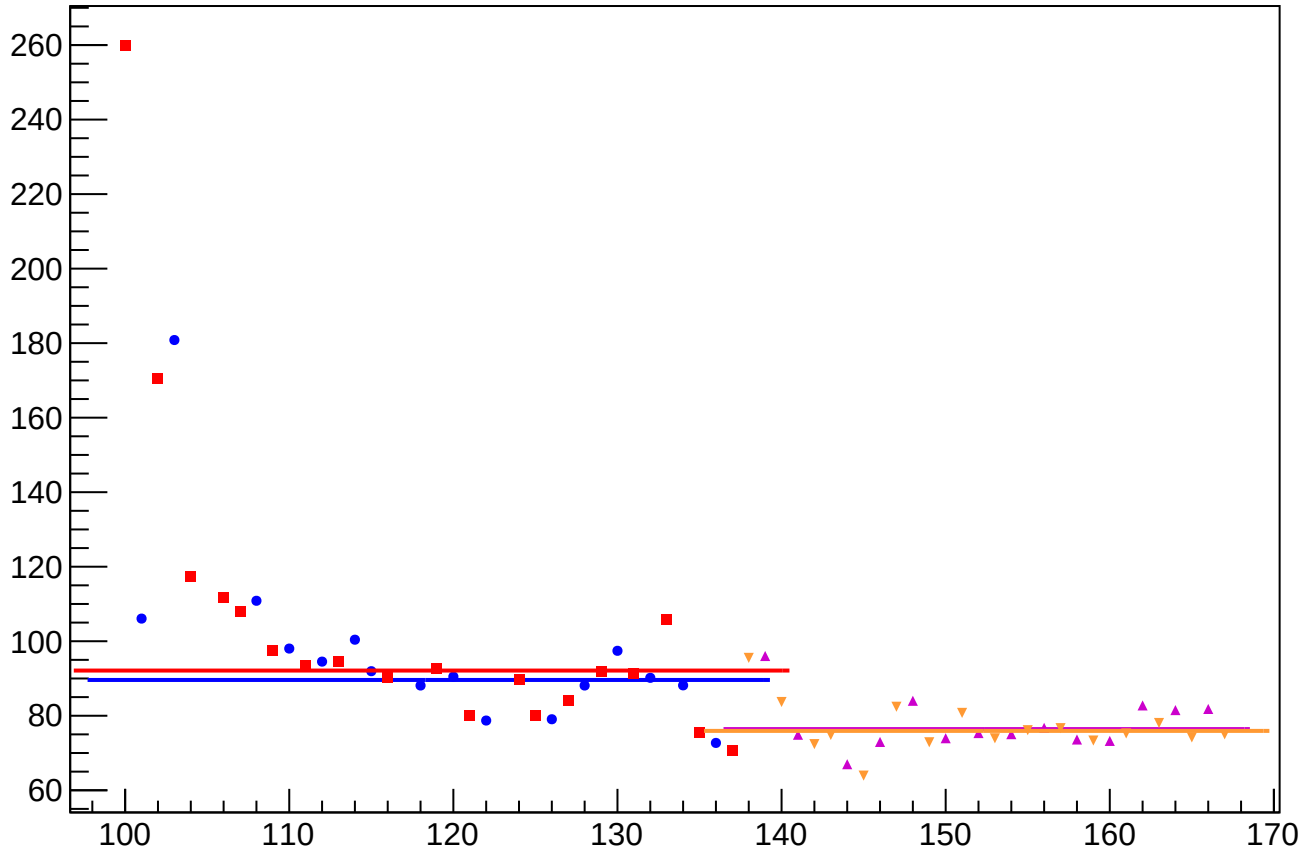
130
140
150
160
170
Right In: -6.568+/-34.286 χ²/NDF: 18.9/15
Left Out: 15.135+/-21.548 χ²/NDF:17.5/15
Right Out: 71.981+/-34.885 χ²/NDF: 22.8/18
Left In: 72.154+/-22.683 χ²/NDF:17.2/13
Left: 42.182+/-15.622 χ²/NDF: 38.0/29
Right: 32.026+/-24.453 χ²/NDF: 44.3/34
In: 48.188+/-18.918 χ²/NDF:39.7/29
Out: 30.833+/-18.332 χ²/NDF:42.2/34
All: 39.238+/-13.165 χ²/NDF: 82.4/64



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.936+/-0.015 χ^2/NDF:161054.8/15

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.422+/-0.016 χ^2/NDF:150703.8/13

Left: 76.166+/-0.011 χ^2/NDF: 312242.7/29

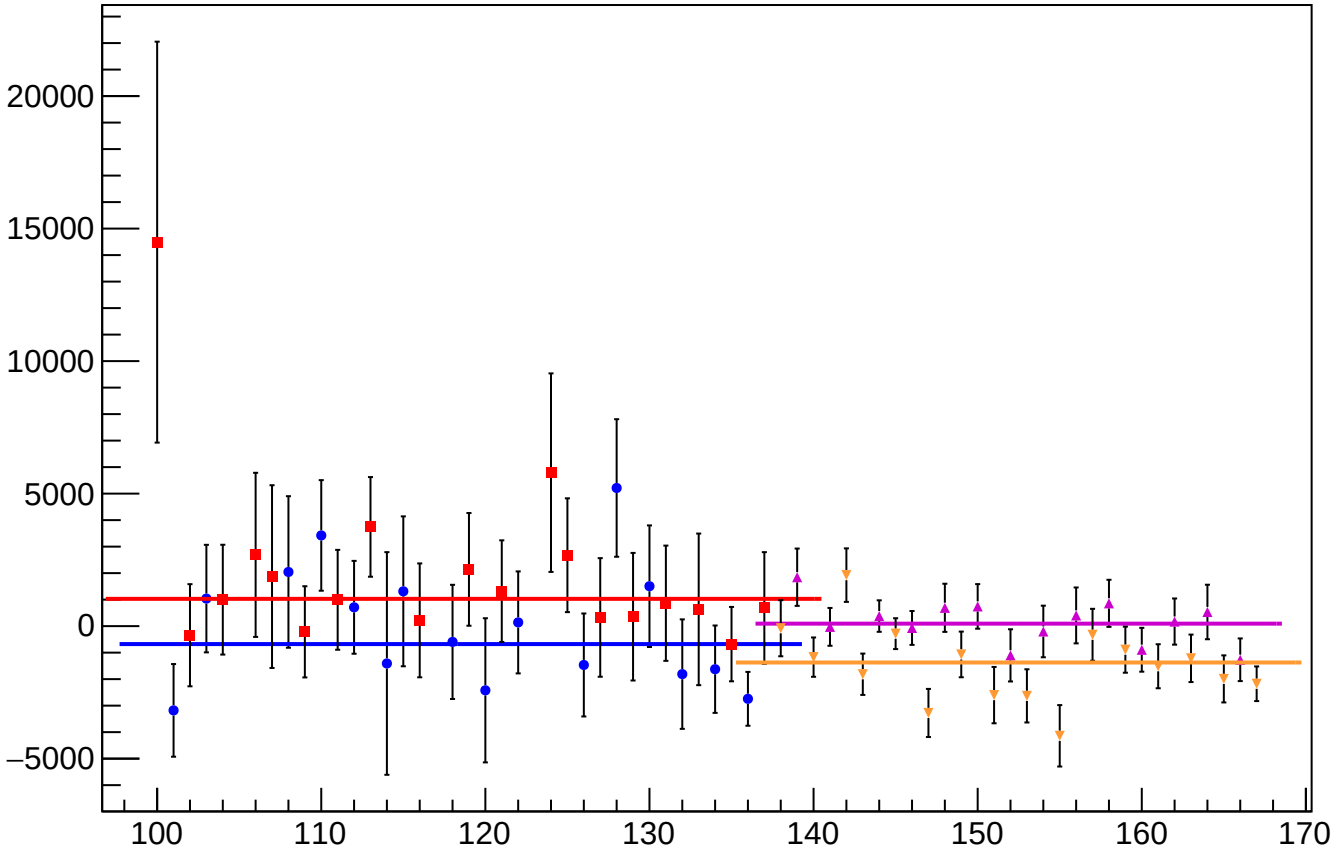
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.435+/-0.013 χ^2/NDF:854700.1/29

Out: 80.408+/-0.013 χ^2/NDF:1013315.9/34

All: 80.421+/-0.009 χ^2/NDF: 1868018.2/64

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1372.367+/-212.526 χ^2/NDF:32.7/15

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 93.551+/-222.243 χ^2/NDF:10.9/13

Left: -672.153+/-153.599 χ^2/NDF: 66.3/29

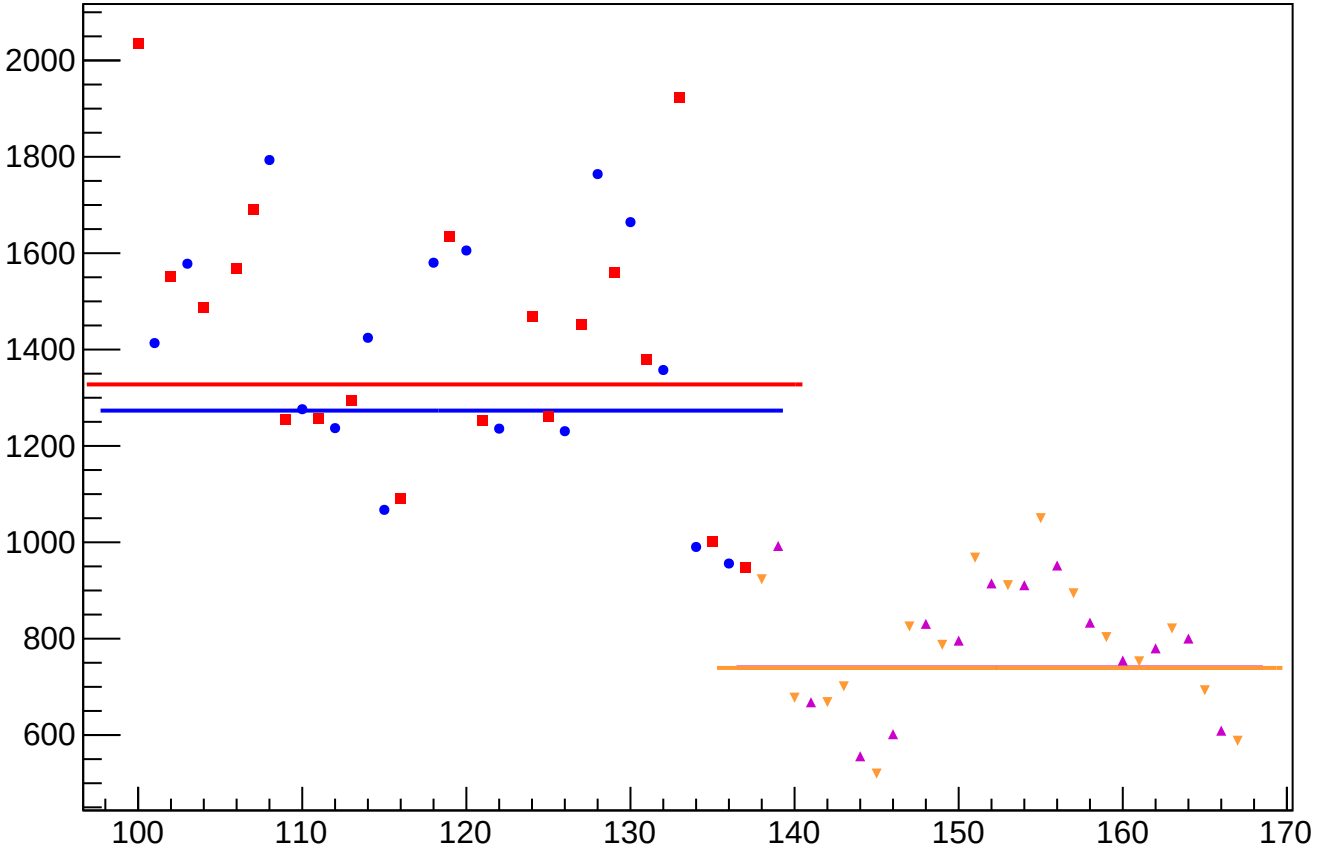
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -39.555+/-202.147 χ^2/NDF:33.2/29

Out: -1001.102+/-195.411 χ^2/NDF:63.4/34

All: -536.618+/-140.497 χ^2/NDF: 108.3/64

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 739.305+/-0.150 χ^2/NDF:882533.8/15

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 740.126+/-0.157 χ^2/NDF:735726.9/13

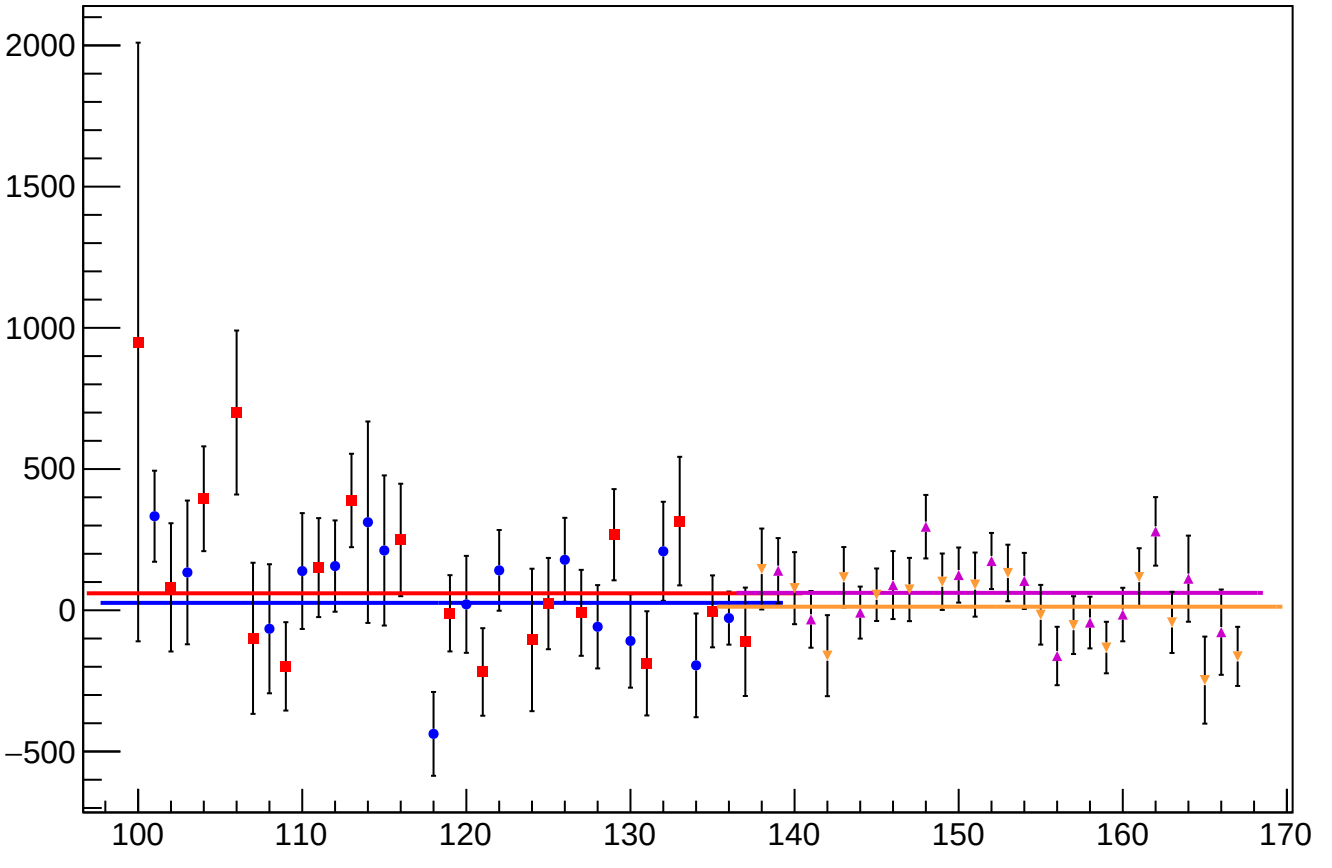
Left: 739.697+/-0.109 χ^2/NDF: 1618274.9/29

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 832.191+/-0.143 χ^2/NDF:3321024.8/29

Out: 830.253+/-0.138 χ^2/NDF:3710420.2/34

All: 831.189+/-0.099 χ^2/NDF: 7031540.0/64



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 12.634+/-27.330 χ^2/NDF:16.7/15

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 61.644+/-28.549 χ^2/NDF:19.0/13

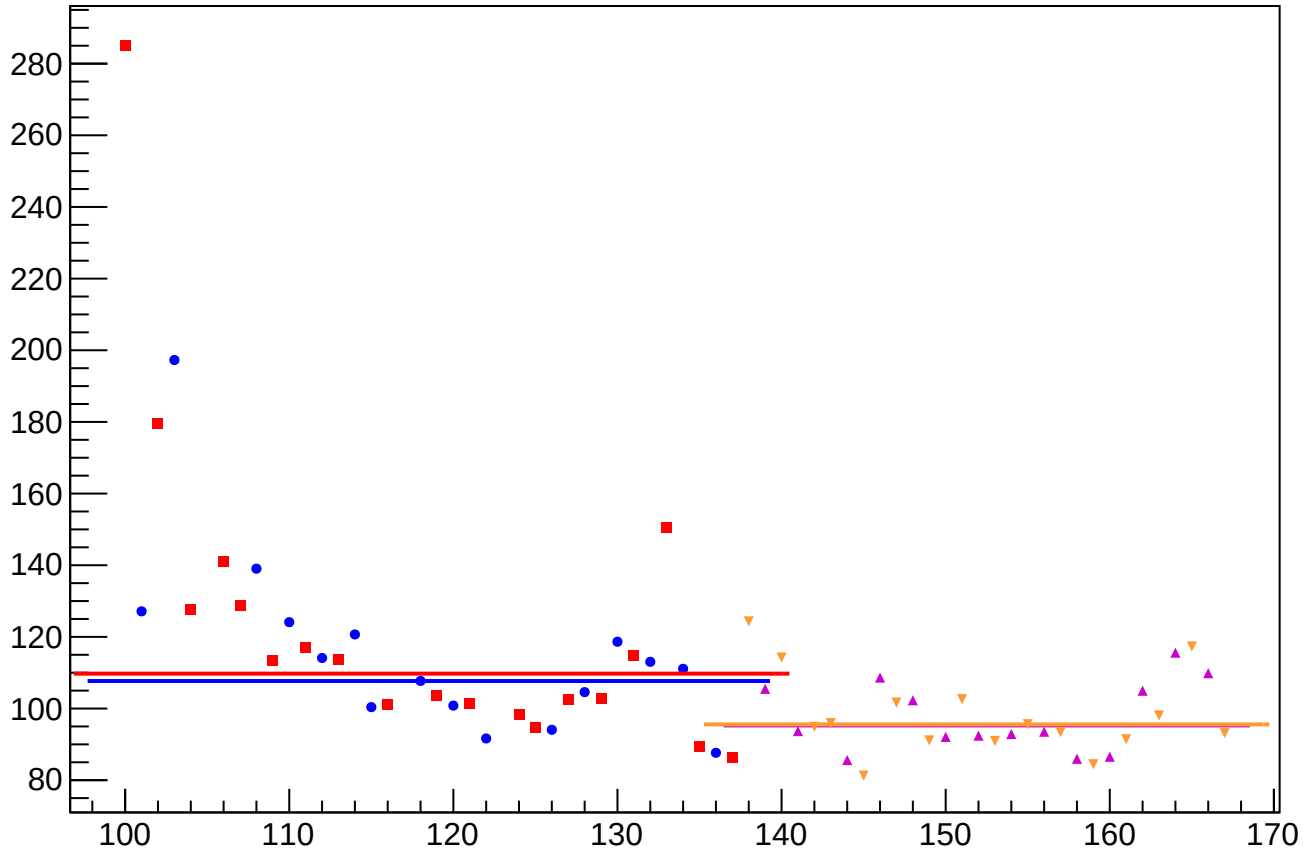
Left: 36.071+/-19.742 χ^2/NDF: 37.3/29

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 50.170+/-23.469 χ^2/NDF:40.9/29

Out: 26.985+/-22.830 χ^2/NDF:44.6/34

All: 38.257+/-16.365 χ^2/NDF: 86.0/64



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 95.567+/-0.019 χ^2/NDF:268314.8/15

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 95.286+/-0.020 χ^2/NDF:180637.5/13

Left: 95.433+/-0.014 χ^2/NDF: 449053.1/29

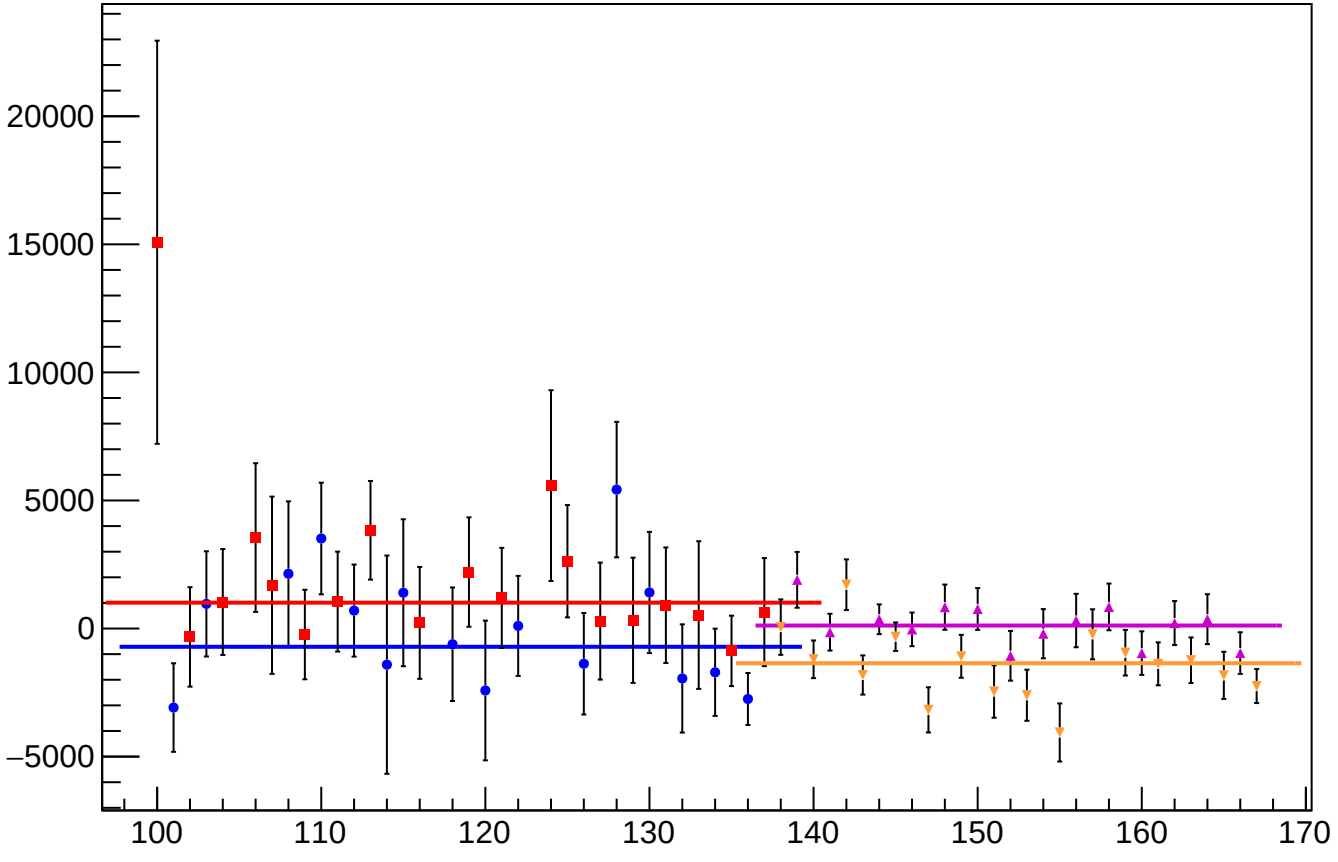
Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 99.304+/-0.017 χ^2/NDF:785953.6/29

Out: 99.850+/-0.016 χ^2/NDF:922641.6/34

All: 99.585+/-0.012 χ^2/NDF: 1709151.4/64

asym_sam_2468_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1353.485+/-210.546 χ^2/NDF:31.6/15

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 116.987+/-221.254 χ^2/NDF:10.0/13

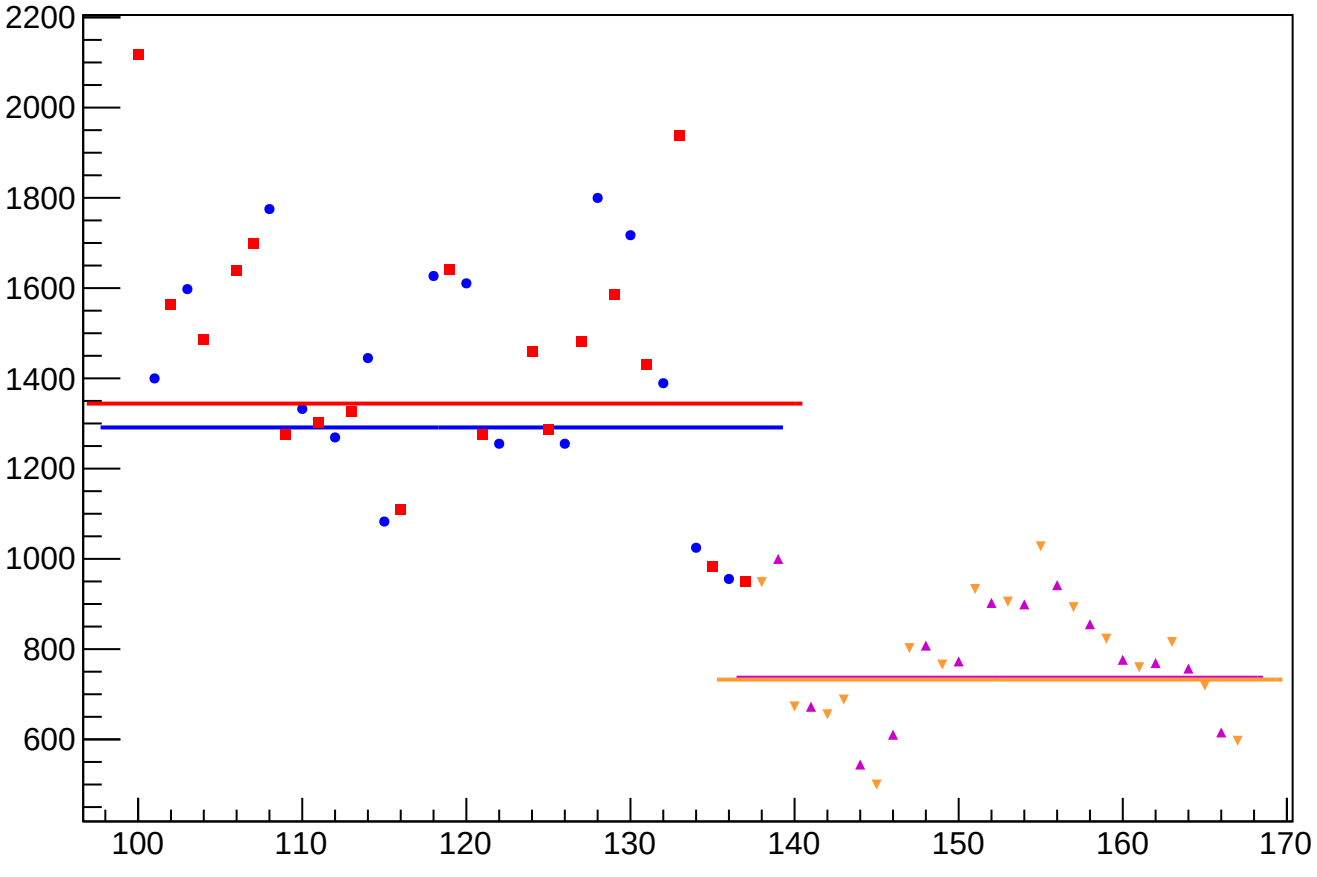
Left: -654.692+/-152.524 χ^2/NDF: 64.8/29

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -22.020+/-201.875 χ^2/NDF:32.5/29

Out: -999.087+/-194.124 χ^2/NDF:62.2/34

All: -529.670+/-139.927 χ^2/NDF: 106.9/64



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 732.580+/-0.149 χ^2/NDF:927118.6/15

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 736.670+/-0.156 χ^2/NDF:722414.2/13

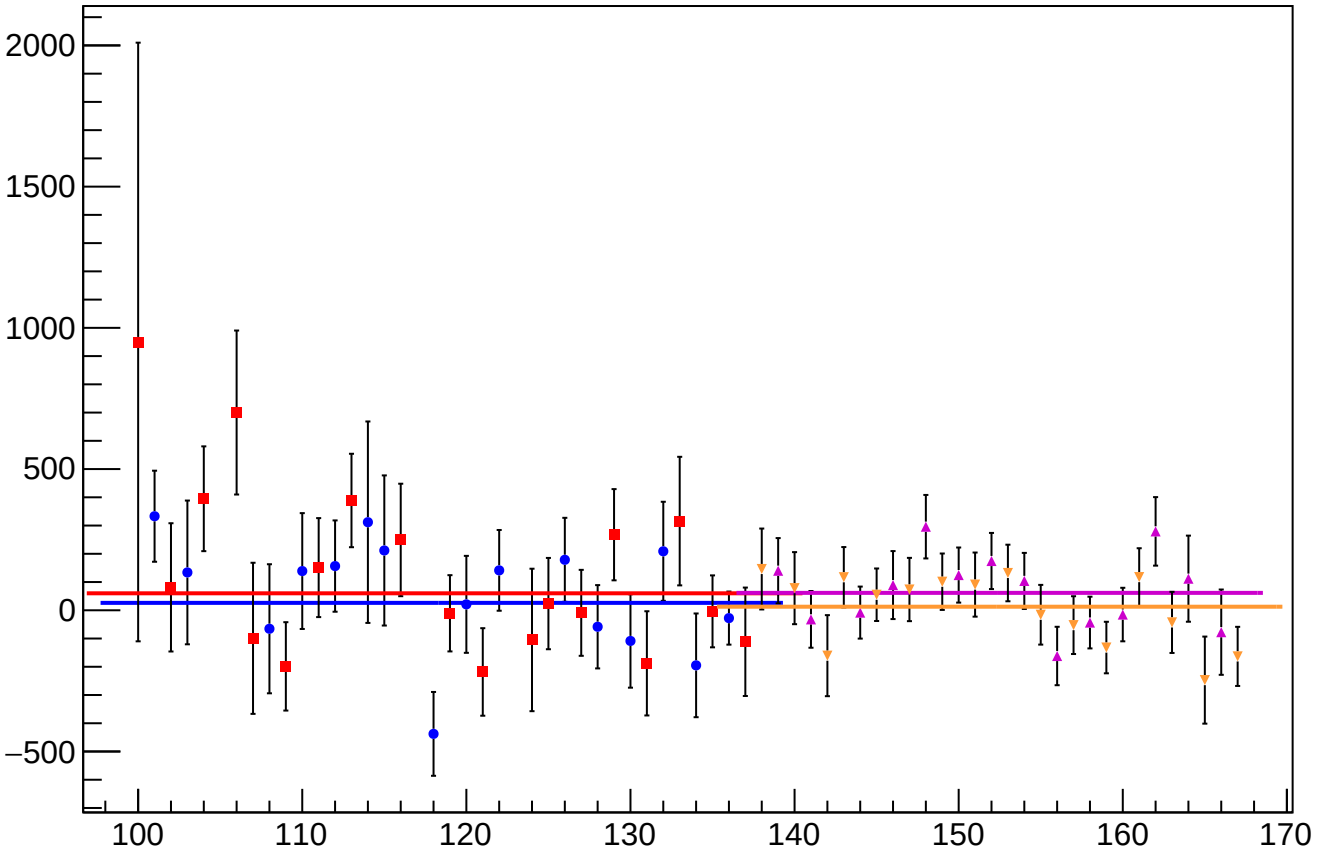
Left: 734.524+/-0.108 χ^2/NDF: 1649891.5/29

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 829.560+/-0.143 χ^2/NDF:3437856.6/29

Out: 824.257+/-0.137 χ^2/NDF:3947478.7/34

All: 826.805+/-0.099 χ^2/NDF: 7386052.4/64



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 12.636+/-27.330 χ^2/NDF:16.7/15

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 61.642+/-28.549 χ^2/NDF:19.0/13

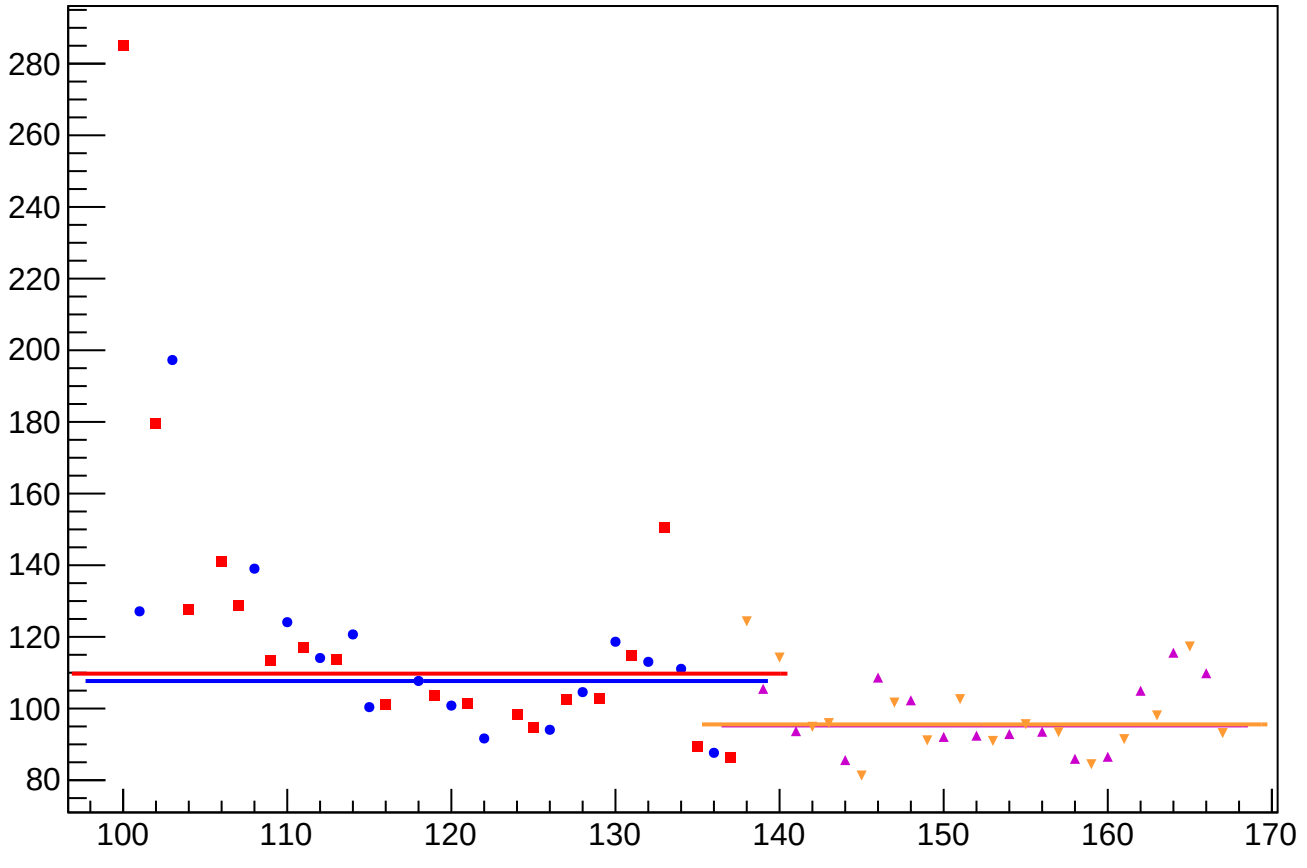
Left: 36.071+/-19.742 χ^2/NDF: 37.3/29

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 50.169+/-23.469 χ^2/NDF:40.9/29

Out: 26.986+/-22.830 χ^2/NDF:44.6/34

All: 38.257+/-16.365 χ^2/NDF: 86.0/64



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 95.567+/-0.019 χ^2/NDF:268306.9/15

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 95.287+/-0.020 χ^2/NDF:180642.1/13

Left: 95.433+/-0.014 χ^2/NDF: 449049.8/29

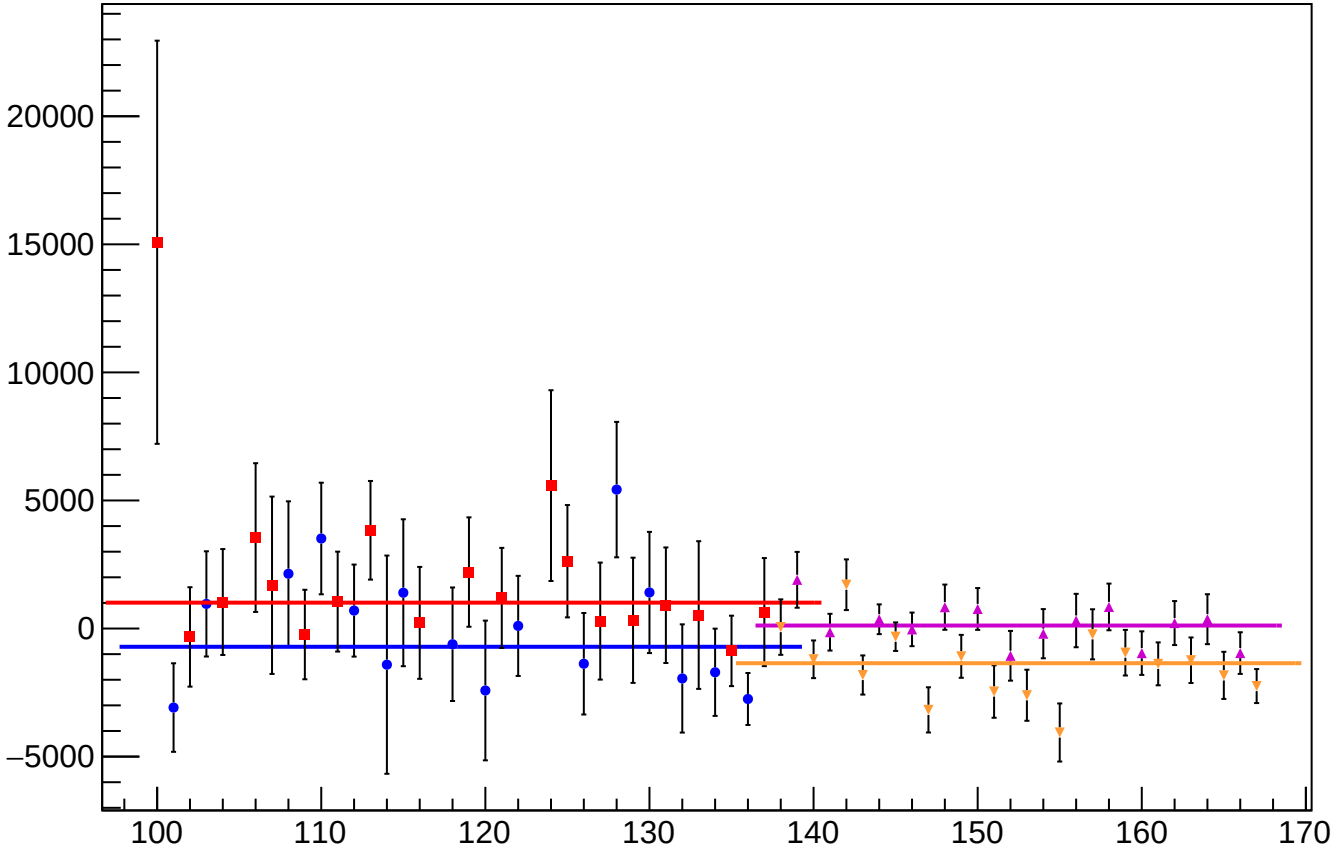
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 99.304+/-0.017 χ^2/NDF:785925.4/29

Out: 99.850+/-0.016 χ^2/NDF:922609.4/34

All: 99.585+/-0.012 χ^2/NDF: 1709091.2/64

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1353.483+/-210.546 χ^2/NDF:31.6/15

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 116.986+/-221.254 χ^2/NDF:10.0/13

Left: -654.691+/-152.524 χ^2/NDF: 64.8/29

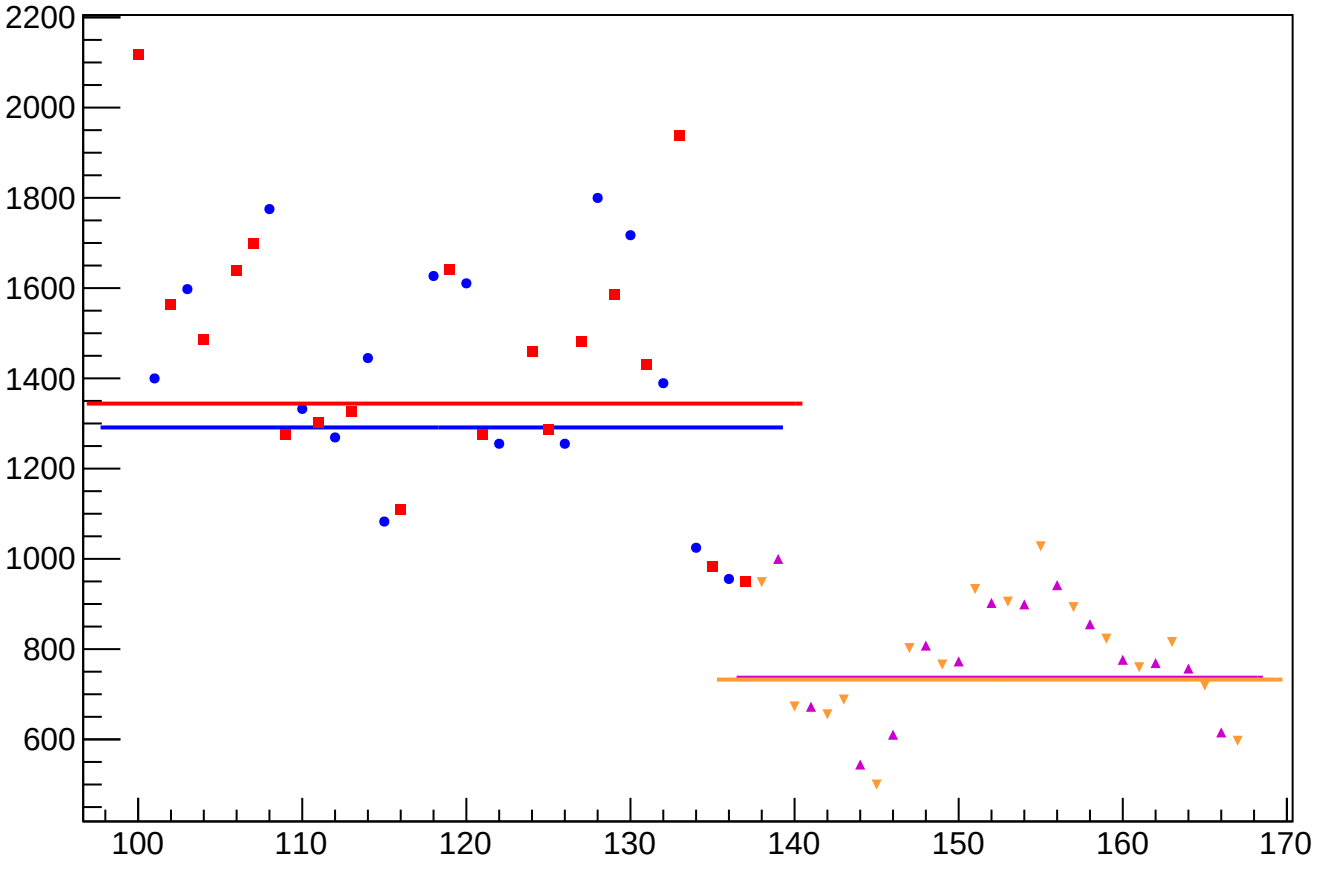
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -22.021+/-201.875 χ^2/NDF:32.5/29

Out: -999.084+/-194.124 χ^2/NDF:62.2/34

All: -529.669+/-139.926 χ^2/NDF: 106.9/64

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 732.579+/-0.149 χ^2/NDF:927127.4/15

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 736.669+/-0.156 χ^2/NDF:722414.5/13

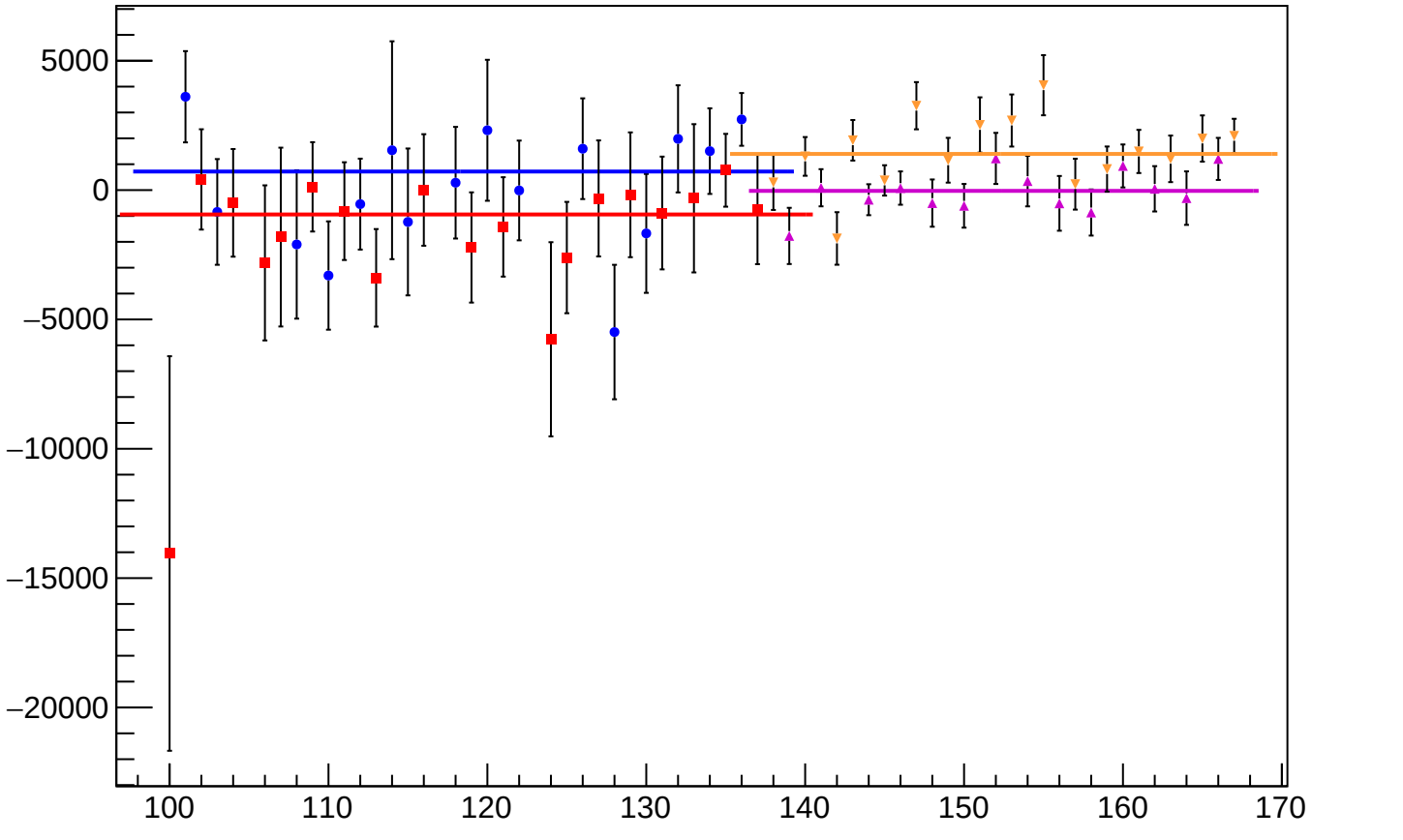
Left: 734.523+/-0.108 χ^2/NDF: 1649900.6/29

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 829.559+/-0.143 χ^2/NDF:3437850.3/29

Out: 824.256+/-0.137 χ^2/NDF:3947484.9/34

All: 826.804+/-0.099 χ^2/NDF: 7386052.5/64



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1397.448+/-213.765 χ^2/NDF:30.6/15

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -30.221+/-223.568 χ^2/NDF:10.3/13

Left: 715.599+/-154.504 χ^2/NDF: 62.2/29

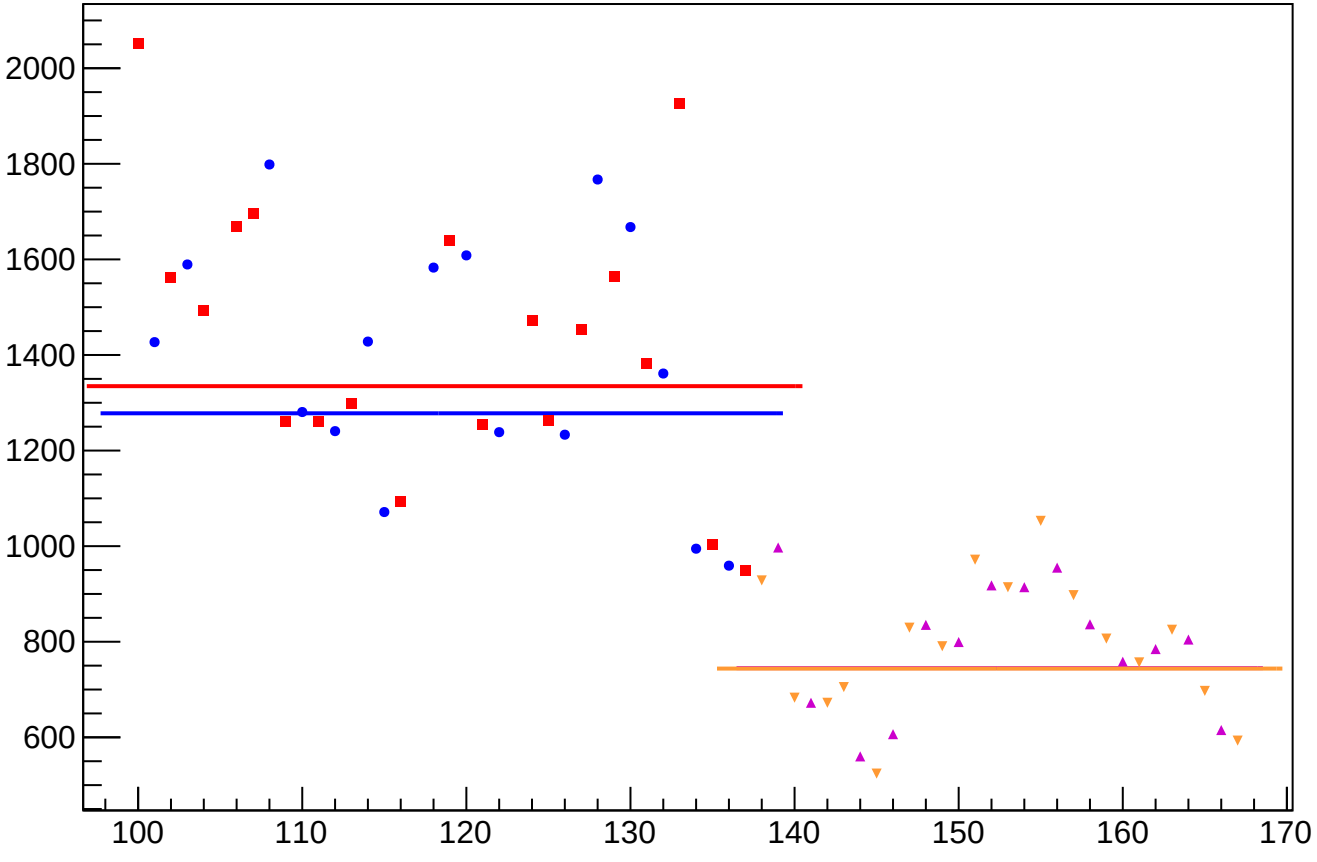
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 99.405+/-203.271 χ^2/NDF:33.2/29

Out: 1033.479+/-196.436 χ^2/NDF:59.9/34

All: 582.409+/-141.256 χ^2/NDF: 104.0/64

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 743.843+/-0.151 χ^2/NDF:867986.1/15

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 744.774+/-0.158 χ^2/NDF:722455.6/13

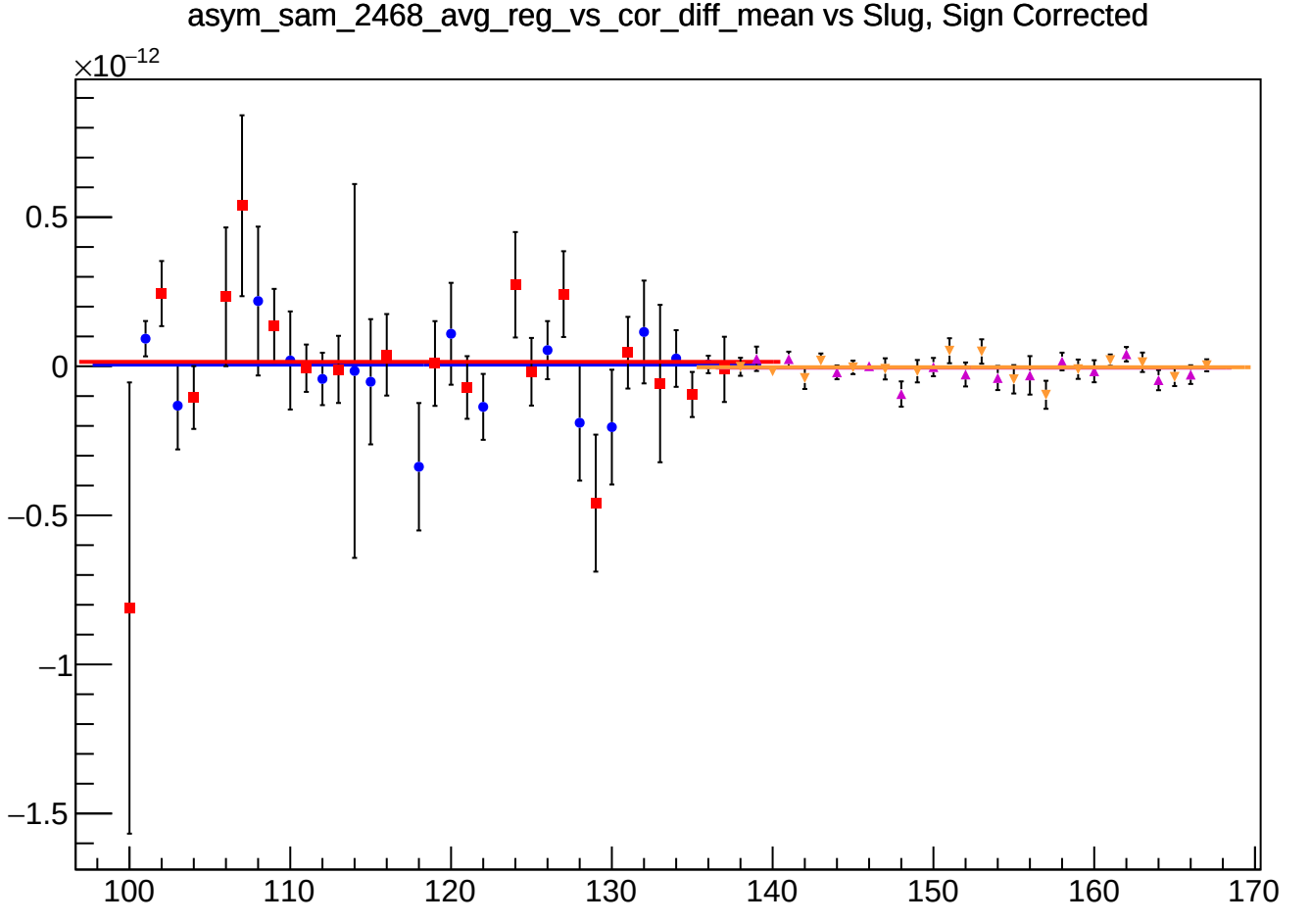
Left: 744.288+/-0.109 χ^2/NDF: 1590459.8/29

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 837.197+/-0.144 χ^2/NDF:3292018.8/29

Out: 835.768+/-0.139 χ^2/NDF:3717409.3/34

All: 836.458+/-0.100 χ^2/NDF: 7009479.2/64



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/13

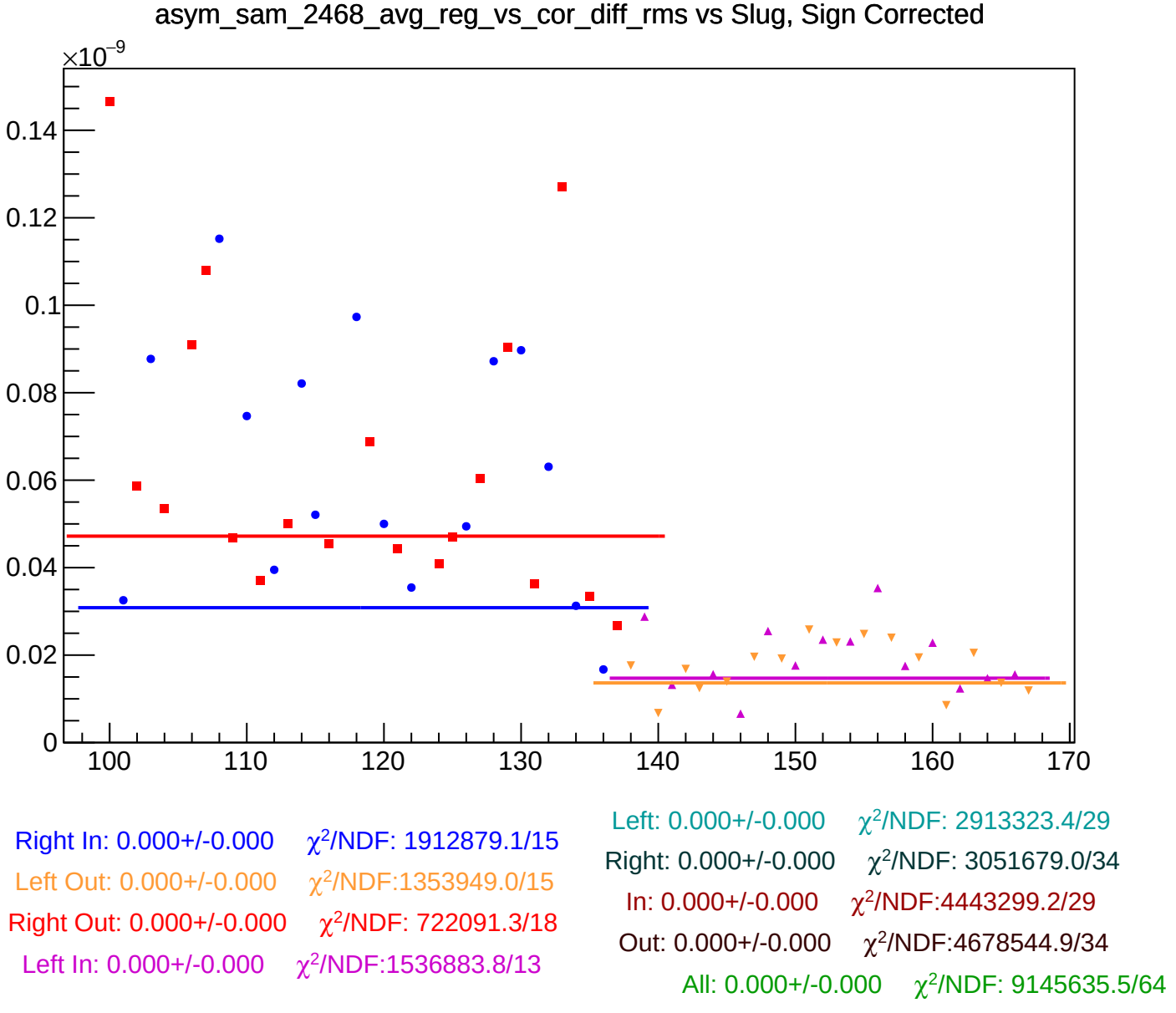
Left: -0.000+/-0.000 χ^2/NDF: 28.0/29

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

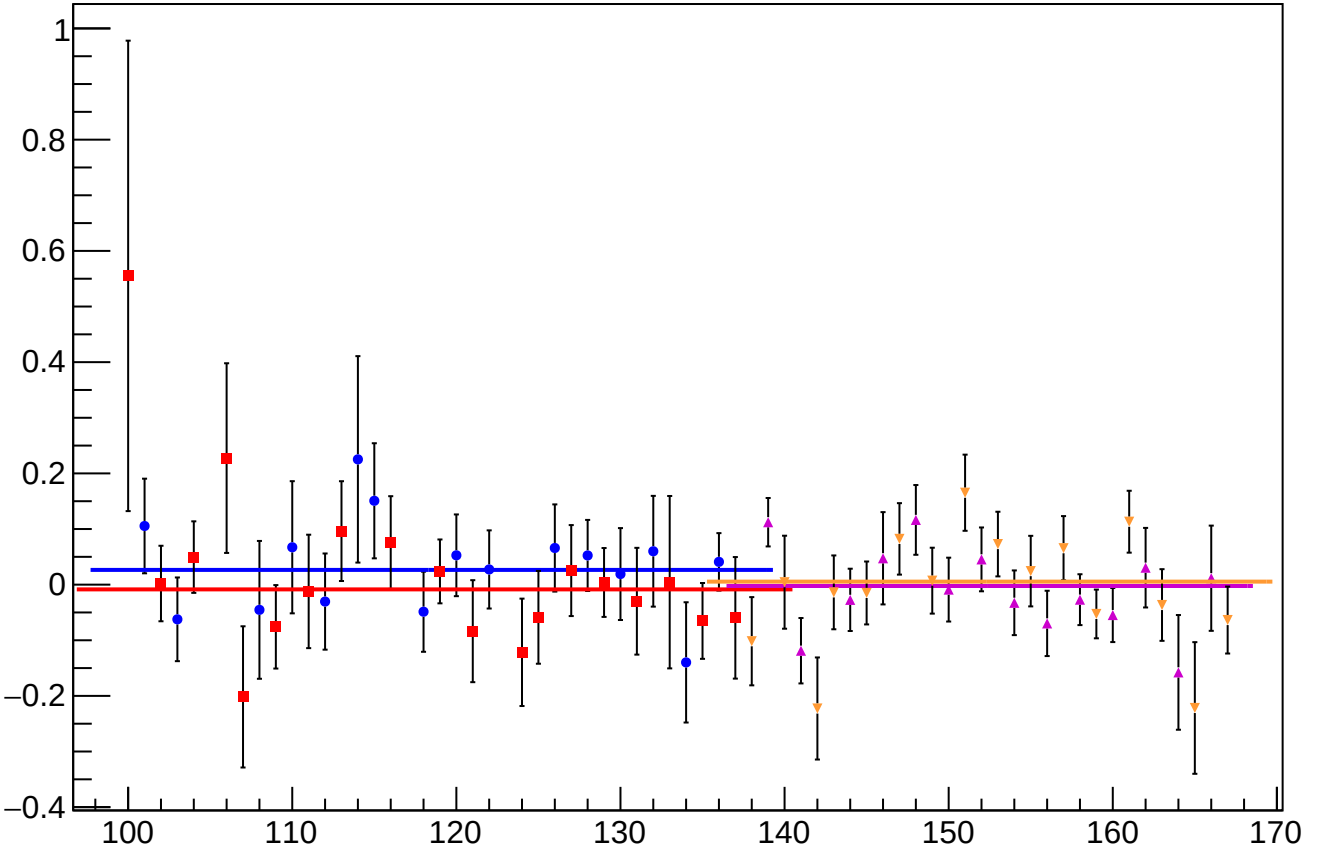
In: -0.000+/-0.000 χ^2/NDF:25.9/29

Out: -0.000+/-0.000 χ^2/NDF:38.0/34

All: -0.000+/-0.000 χ^2/NDF: 64.0/64


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1353949.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1536883.8/13
Left: 0.000+/-0.000 χ²/NDF: 2913323.4/29
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4443299.2/29
Out: 0.000+/-0.000 χ²/NDF:4678544.9/34
All: 0.000+/-0.000 χ²/NDF: 9145635.5/64

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.005+/-0.016 χ^2/NDF:28.6/15

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.016 χ^2/NDF:21.2/13

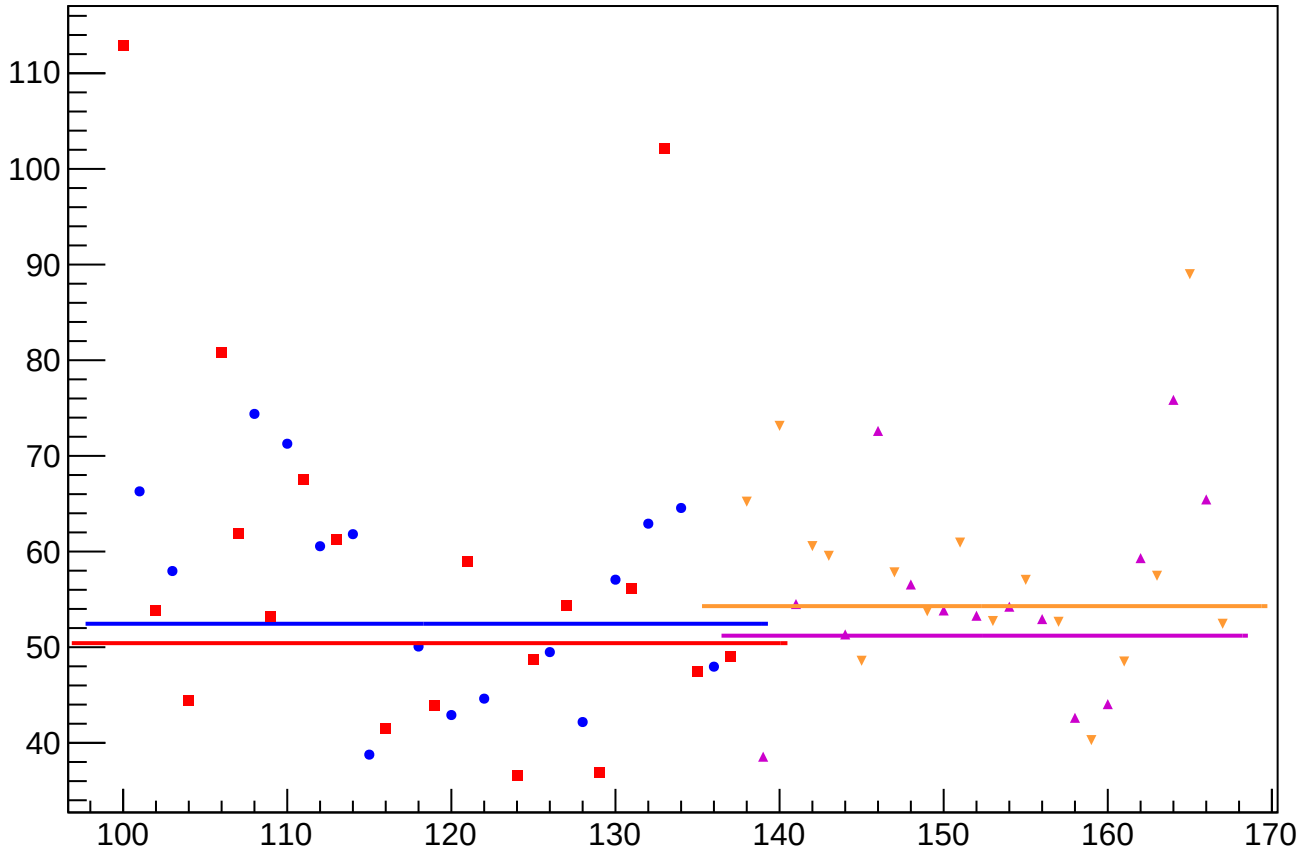
Left: 0.001+/-0.011 χ^2/NDF: 49.9/29

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.012 χ^2/NDF:32.4/29

Out: -0.000+/-0.012 χ^2/NDF:42.8/34

All: 0.004+/-0.009 χ^2/NDF: 75.5/64



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.293+/-0.011 χ^2/NDF:618532.9/15

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.204+/-0.011 χ^2/NDF:636042.7/13

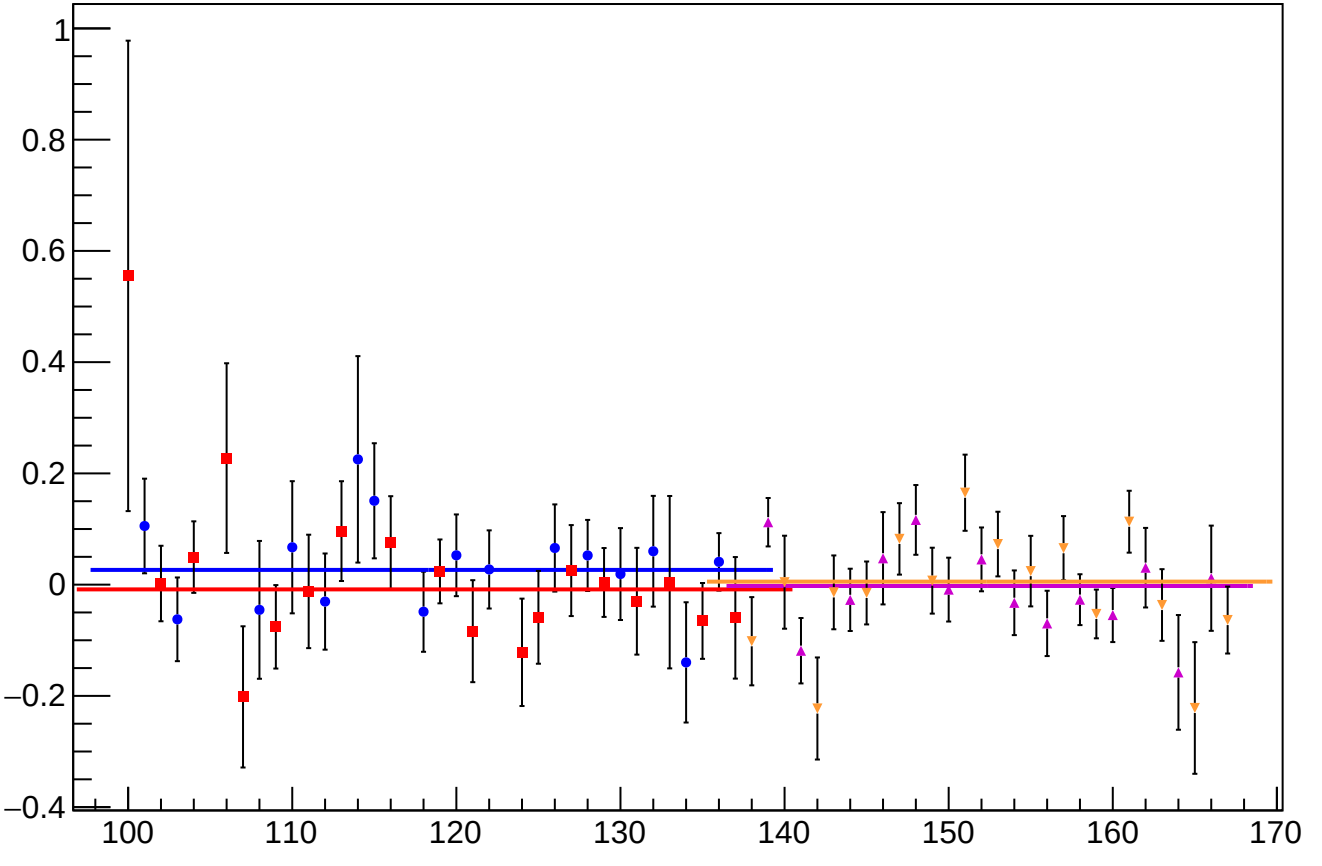
Left: 52.739+/-0.008 χ^2/NDF: 1292783.3/29

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.670+/-0.009 χ^2/NDF:1058735.7/29

Out: 52.751+/-0.009 χ^2/NDF:1342776.3/34

All: 52.218+/-0.006 χ^2/NDF: 2409134.0/64



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.005+/-0.016 χ^2/NDF:28.6/15

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.016 χ^2/NDF:21.2/13

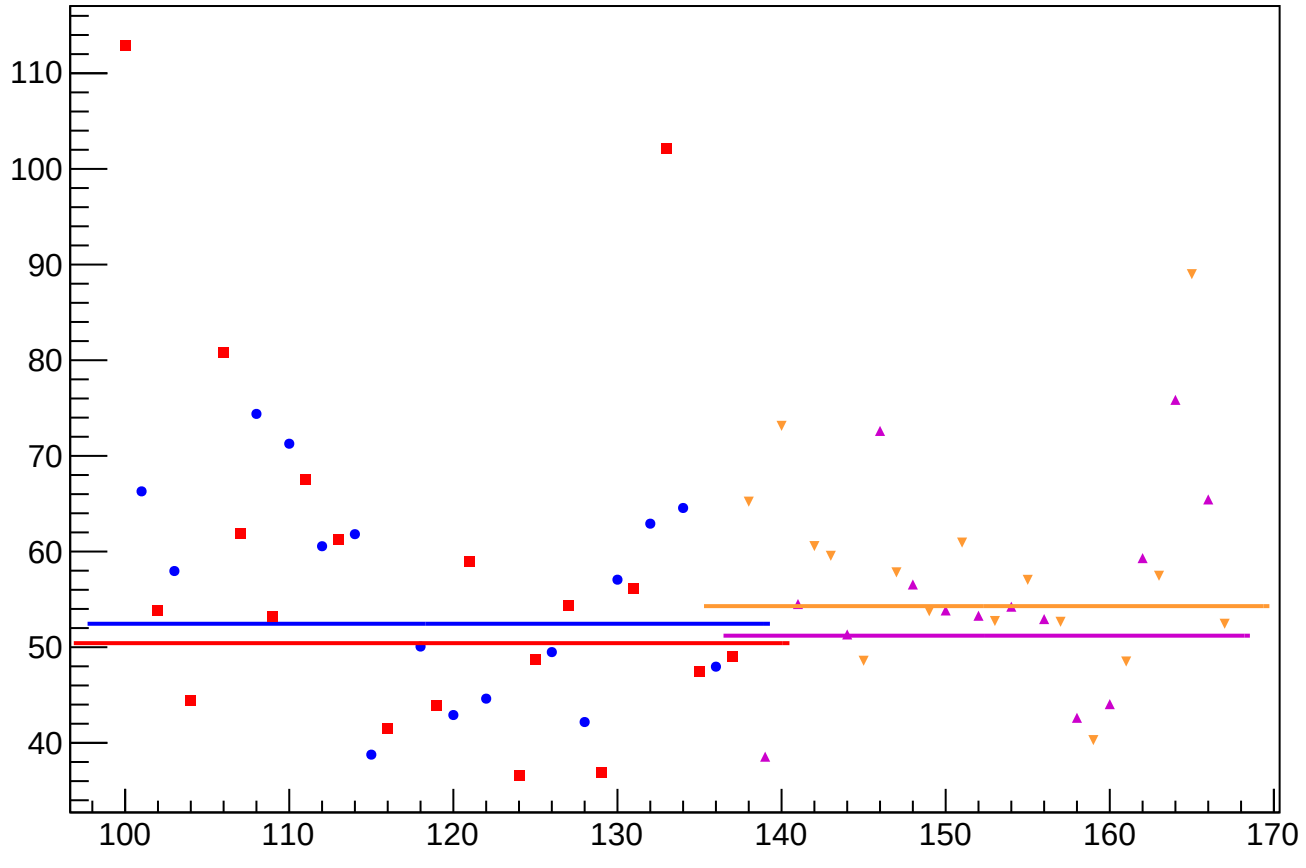
Left: 0.001+/-0.011 χ^2/NDF: 49.9/29

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.012 χ^2/NDF:32.4/29

Out: -0.000+/-0.012 χ^2/NDF:42.8/34

All: 0.004+/-0.009 χ^2/NDF: 75.5/64



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.293+/-0.011 χ^2/NDF:618532.9/15

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.204+/-0.011 χ^2/NDF:636042.7/13

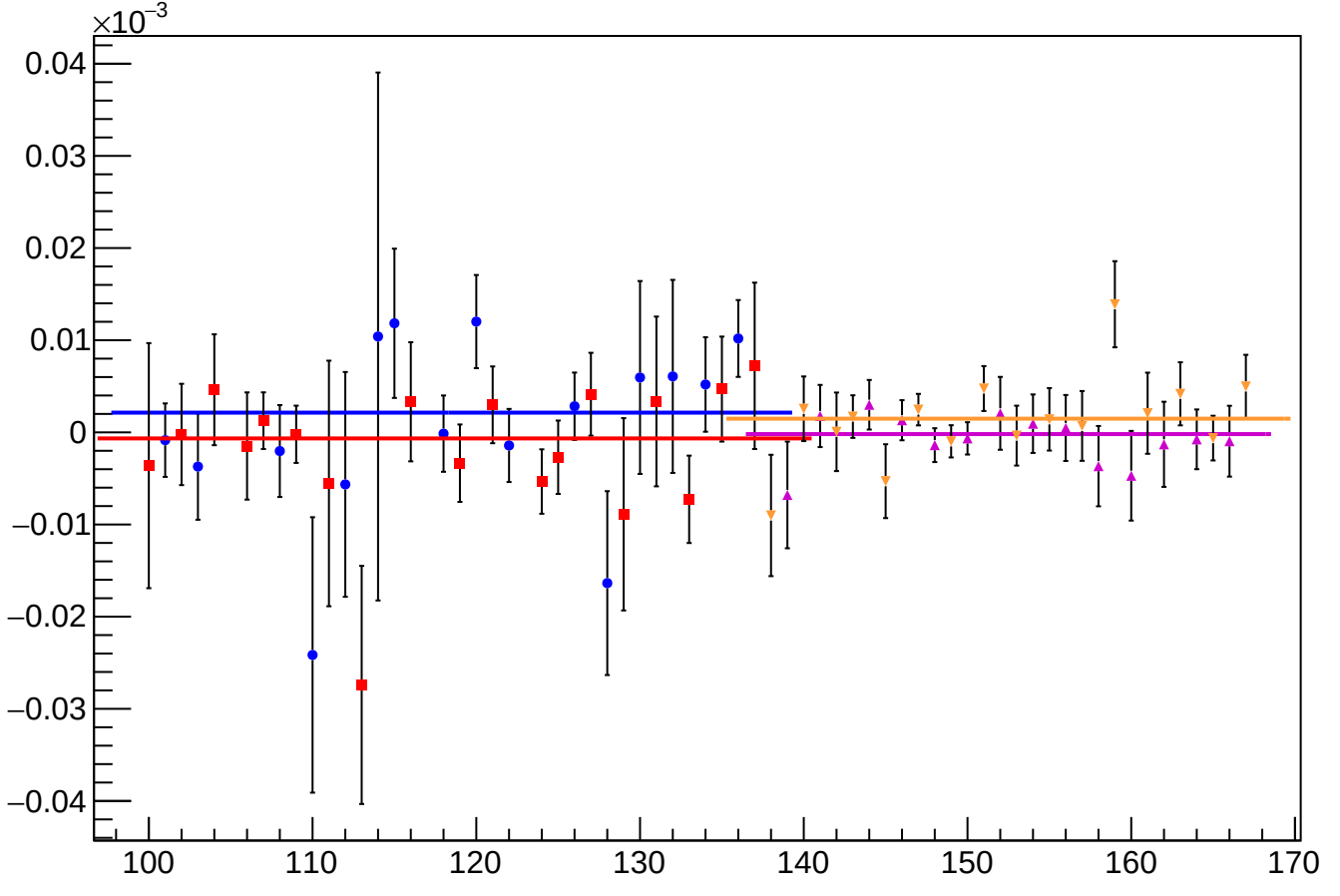
Left: 52.739+/-0.008 χ^2/NDF: 1292783.3/29

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.670+/-0.009 χ^2/NDF:1058735.7/29

Out: 52.751+/-0.009 χ^2/NDF:1342776.3/34

All: 52.218+/-0.006 χ^2/NDF: 2409134.0/64



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/13

Left: 0.000+/-0.000 χ^2/NDF: 28.2/29

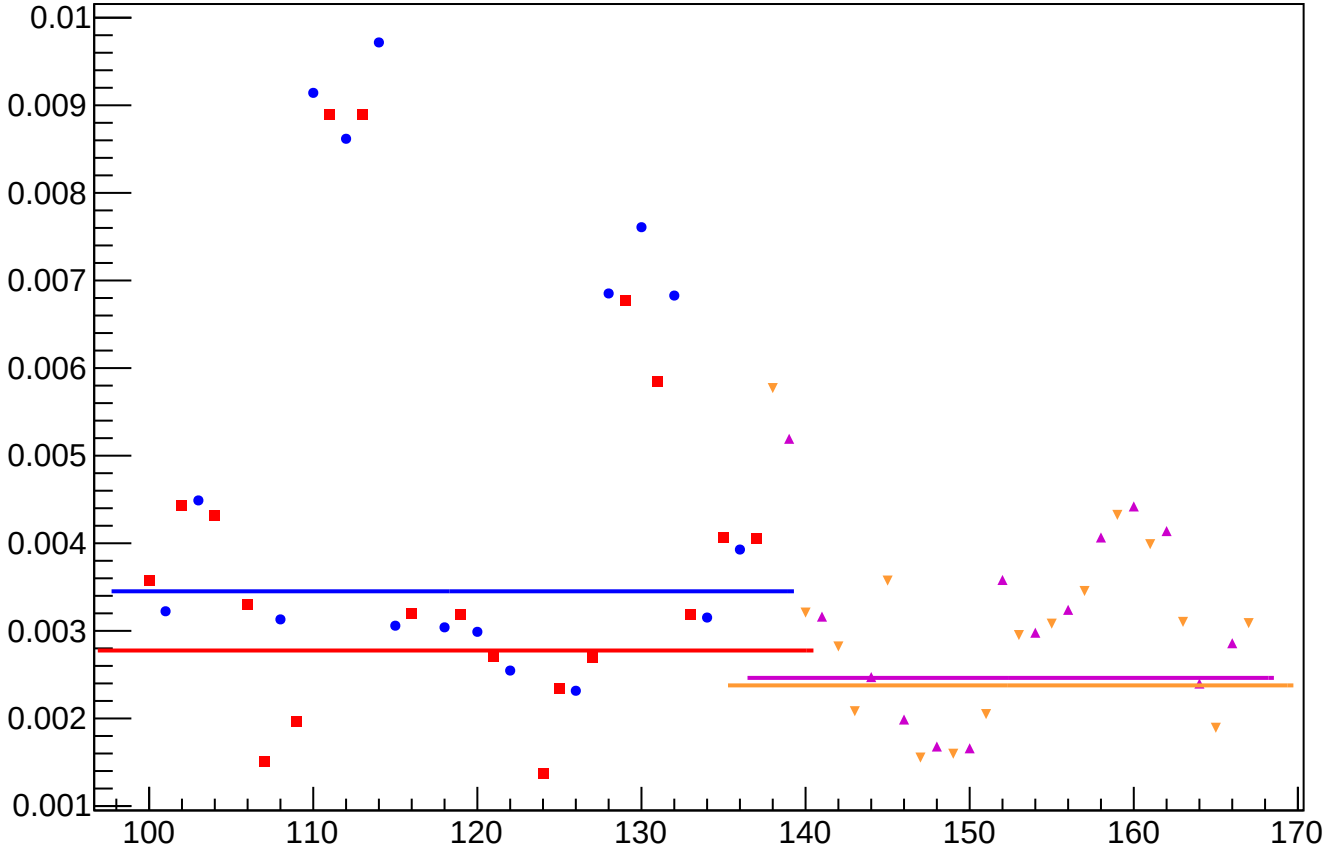
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:28.3/29

Out: 0.000+/-0.000 χ^2/NDF:36.9/34

All: 0.000+/-0.000 χ^2/NDF: 65.6/64

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2957350.5/15

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2597901.5/13

Left: 0.002+/-0.000 χ^2/NDF: 5568266.8/29

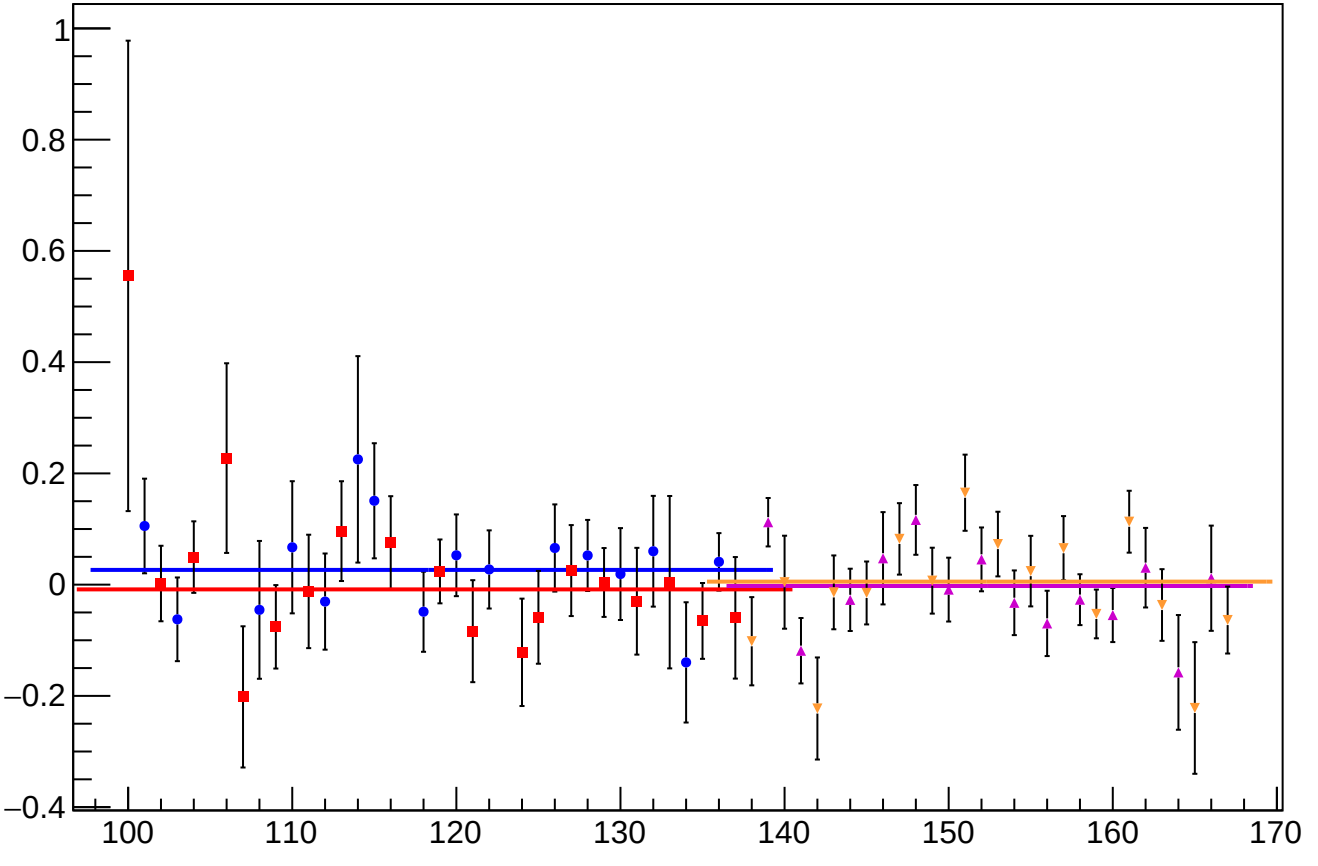
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5320915.4/29

Out: 0.002+/-0.000 χ^2/NDF:5865195.3/34

All: 0.003+/-0.000 χ^2/NDF: 11294131.0/64

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.005+/-0.016 χ^2/NDF:28.6/15

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.016 χ^2/NDF:21.2/13

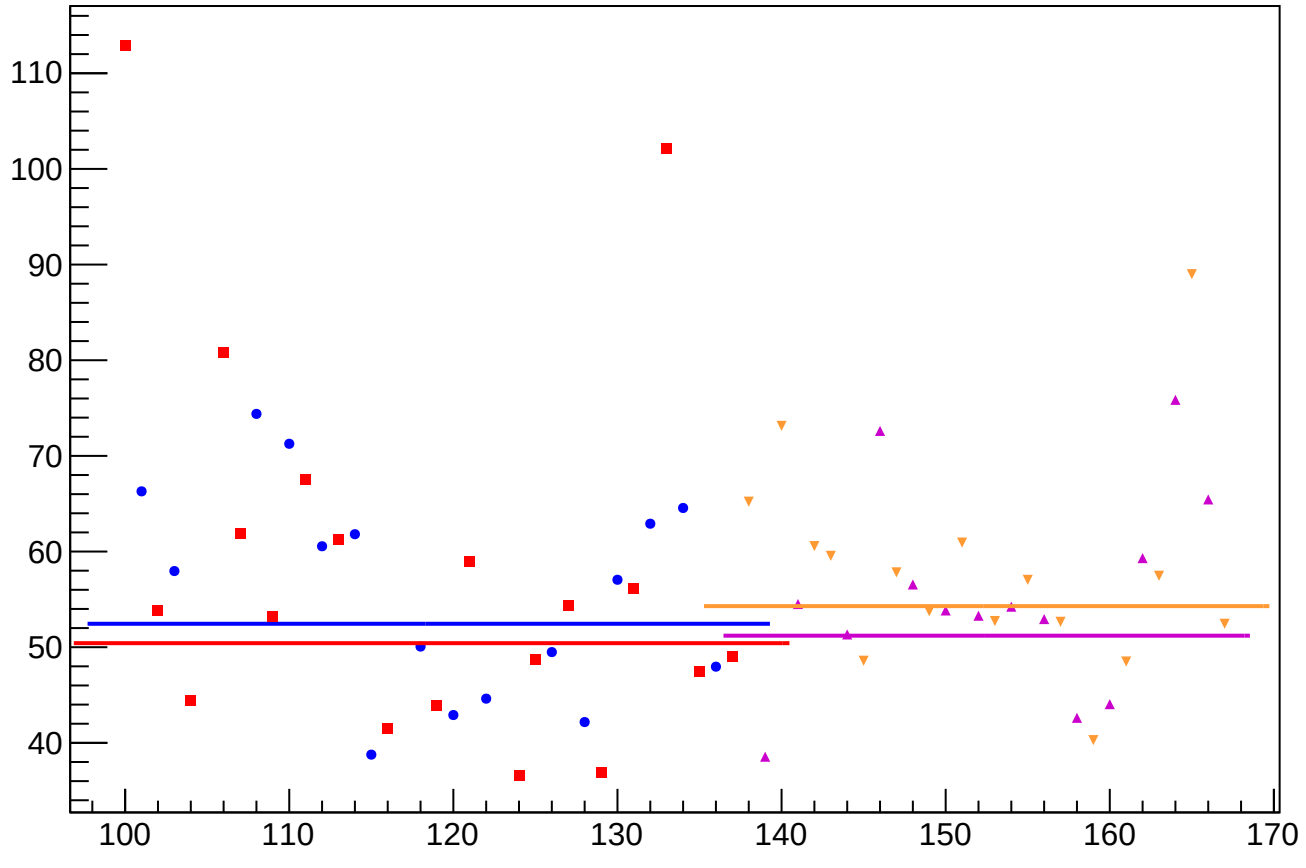
Left: 0.001+/-0.011 χ^2/NDF: 49.9/29

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.012 χ^2/NDF:32.4/29

Out: -0.000+/-0.012 χ^2/NDF:42.8/34

All: 0.004+/-0.009 χ^2/NDF: 75.5/64



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.294+/-0.011 χ^2/NDF:618549.2/15

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.204+/-0.011 χ^2/NDF:636132.6/13

Left: 52.739+/-0.008 χ^2/NDF: 1292895.0/29

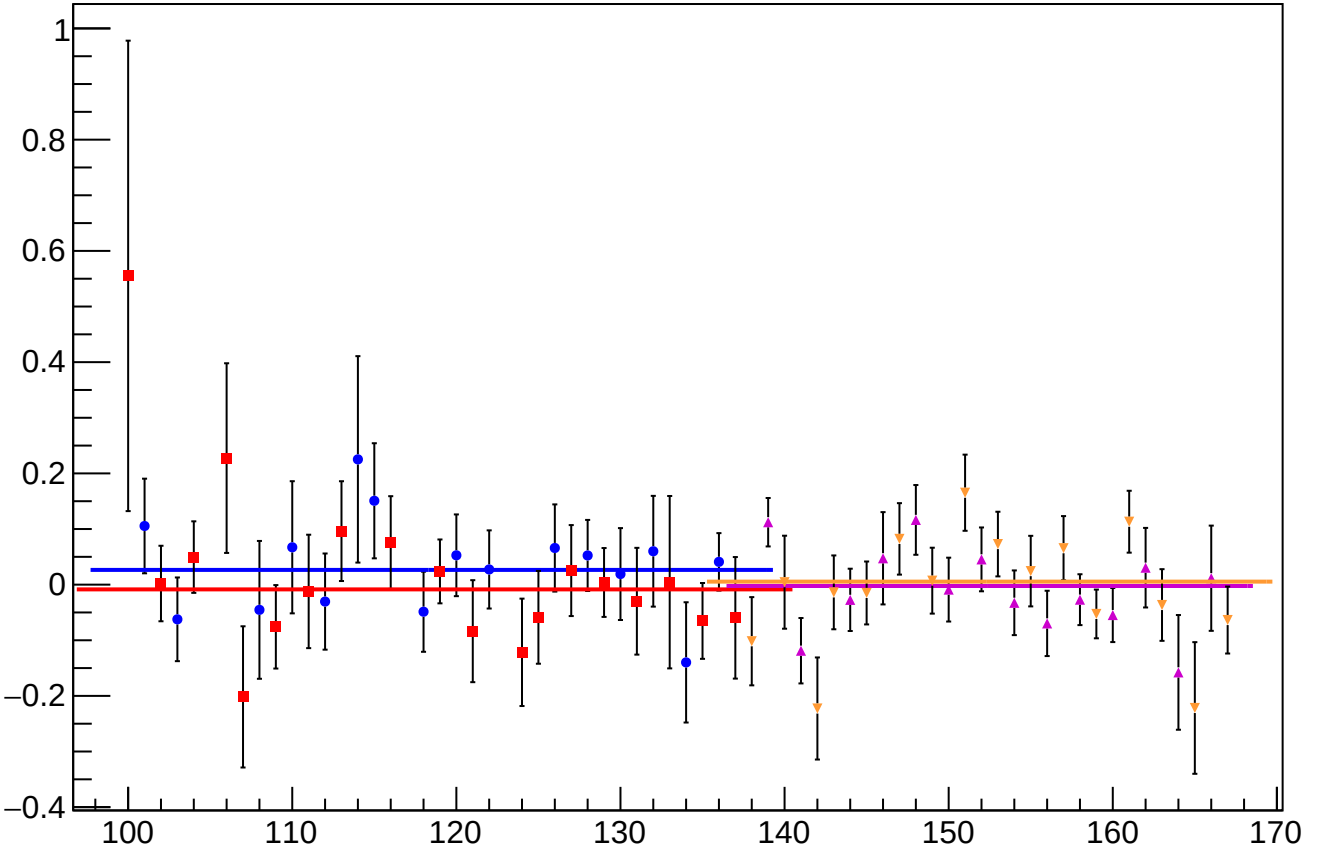
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.670+/-0.009 χ^2/NDF:1058769.2/29

Out: 52.751+/-0.009 χ^2/NDF:1342836.0/34

All: 52.218+/-0.006 χ^2/NDF: 2409228.1/64

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.005+/-0.016 χ^2/NDF:28.6/15

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.016 χ^2/NDF:21.2/13

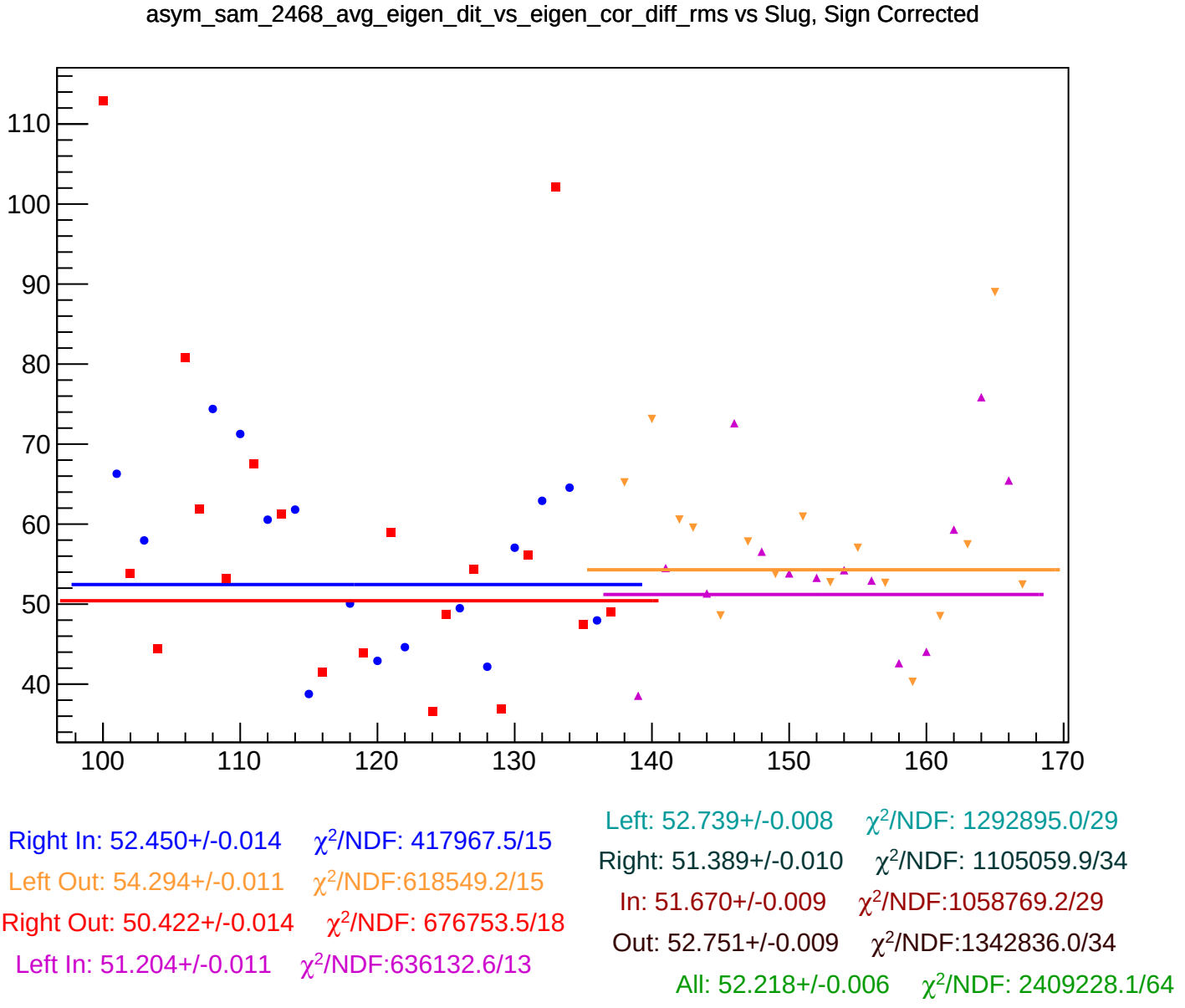
Left: 0.001+/-0.011 χ^2/NDF: 49.9/29

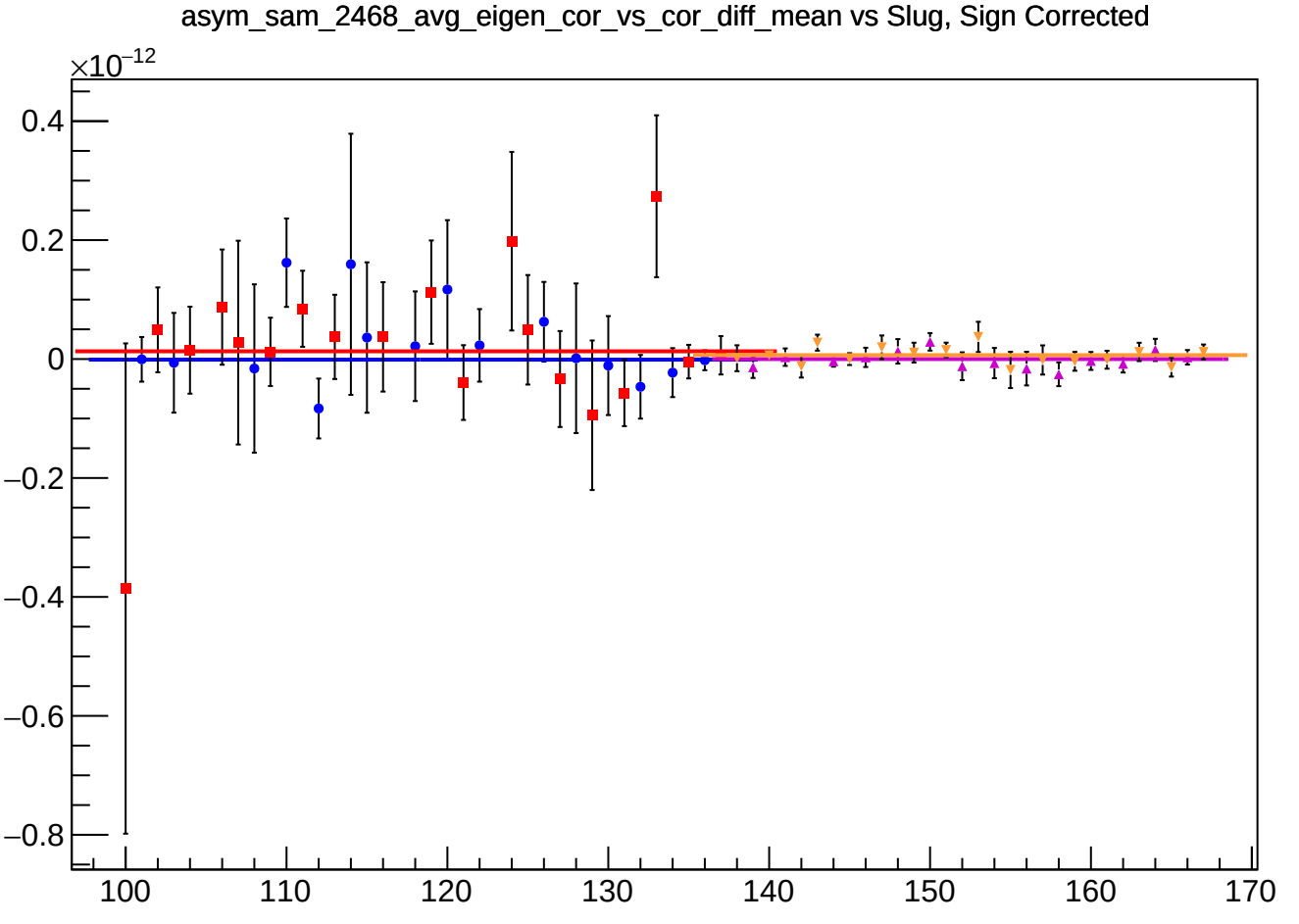
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

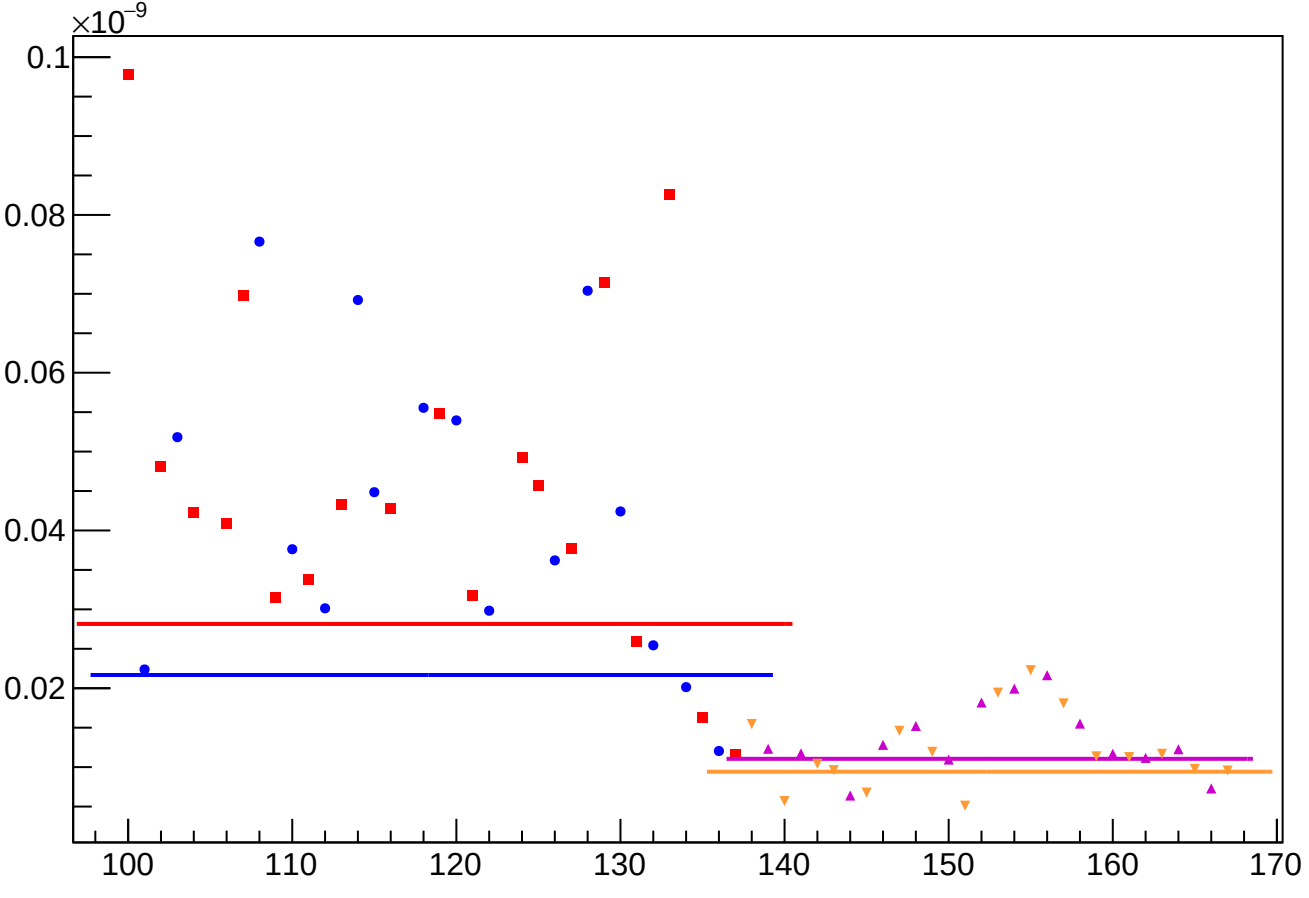
In: 0.008+/-0.012 χ^2/NDF:32.4/29

Out: -0.000+/-0.012 χ^2/NDF:42.8/34

All: 0.004+/-0.009 χ^2/NDF: 75.5/64


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
110
100
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 52.450+/-0.014 χ2/NDF: 417967.5/15
Left Out: 54.294+/-0.011 χ2/NDF:618549.2/15
Right Out: 50.422+/-0.014 χ2/NDF: 676753.5/18
Left In: 51.204+/-0.011 χ2/NDF:636132.6/13
Left: 52.739+/-0.008 χ2/NDF: 1292895.0/29
Right: 51.389+/-0.010 χ2/NDF: 1105059.9/34
In: 51.670+/-0.009 χ2/NDF:1058769.2/29
Out: 52.751+/-0.009 χ2/NDF:1342836.0/34
All: 52.218+/-0.006 χ2/NDF: 2409228.1/64


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:9.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:8.5/13
Left: 0.000+/-0.000 χ²/NDF: 19.6/29
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:19.7/29
Out: 0.000+/-0.000 χ²/NDF:23.5/34
All: 0.000+/-0.000 χ²/NDF: 45.1/64



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2160256.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1657368.3/13

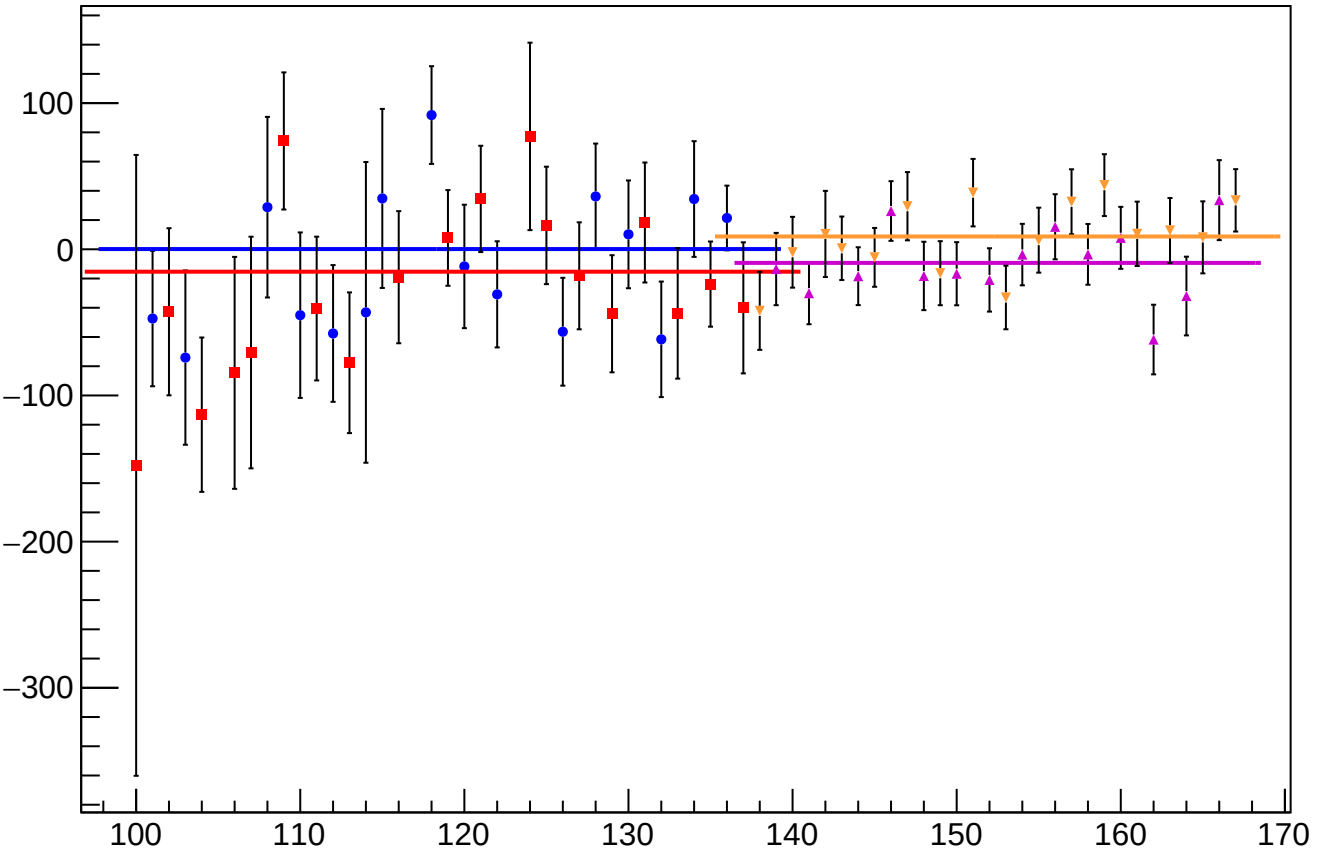
Left: 0.000+/-0.000 χ^2/NDF: 3989909.0/29

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5580265.2/29

Out: 0.000+/-0.000 χ^2/NDF:7682037.6/34

All: 0.000+/-0.000 χ^2/NDF: 13463980.4/64



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.767+/-5.682 χ^2/NDF:17.3/15

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -9.301+/-5.955 χ^2/NDF:14.8/13

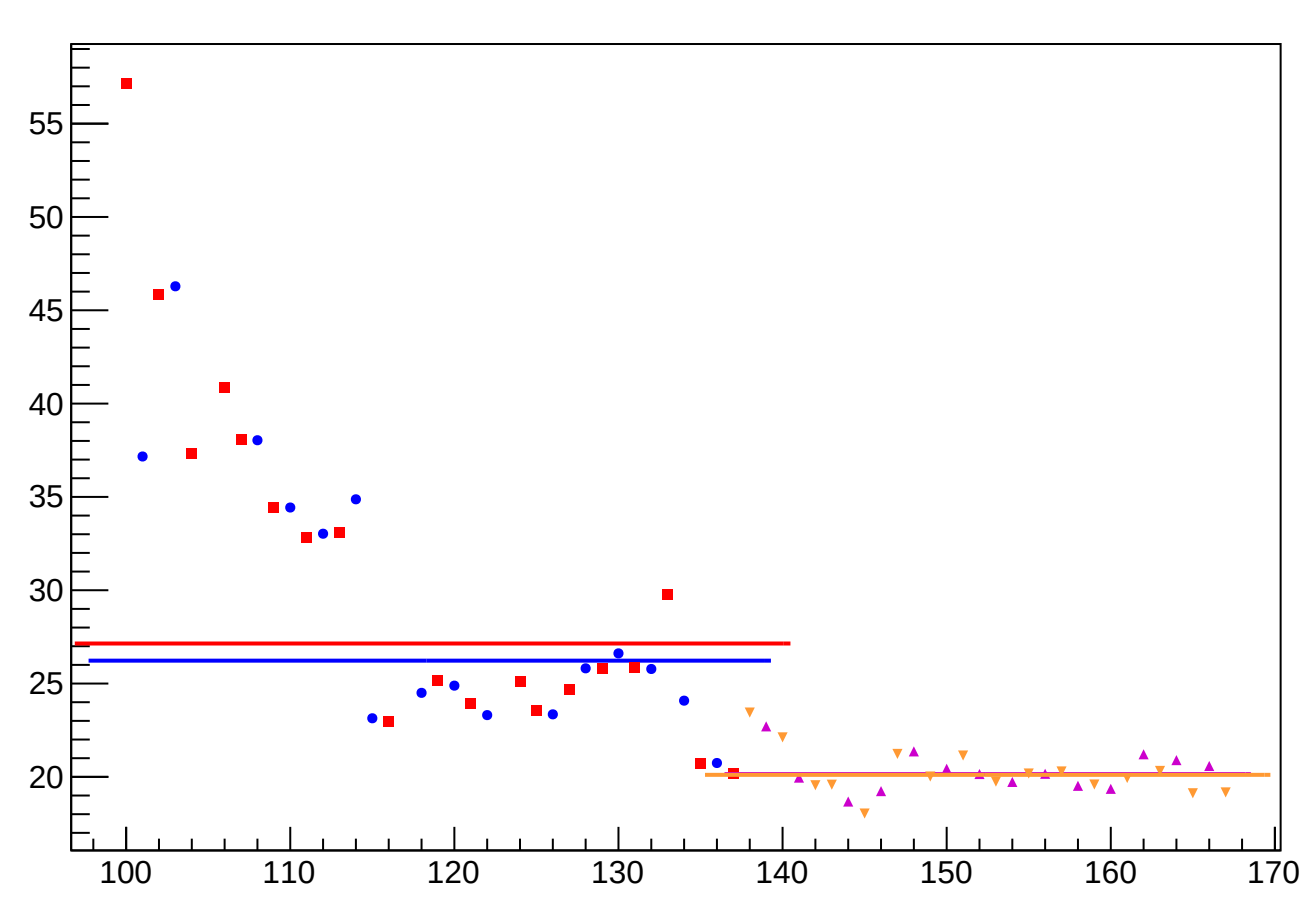
Left: 0.158+/-4.111 χ^2/NDF: 36.9/29

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.843+/-5.123 χ^2/NDF:36.8/29

Out: 3.117+/-4.971 χ^2/NDF:39.4/34

All: -1.713+/-3.568 χ^2/NDF: 78.2/64



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.109+/-0.004 χ^2/NDF:86141.5/15

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.150+/-0.004 χ^2/NDF:53760.5/13

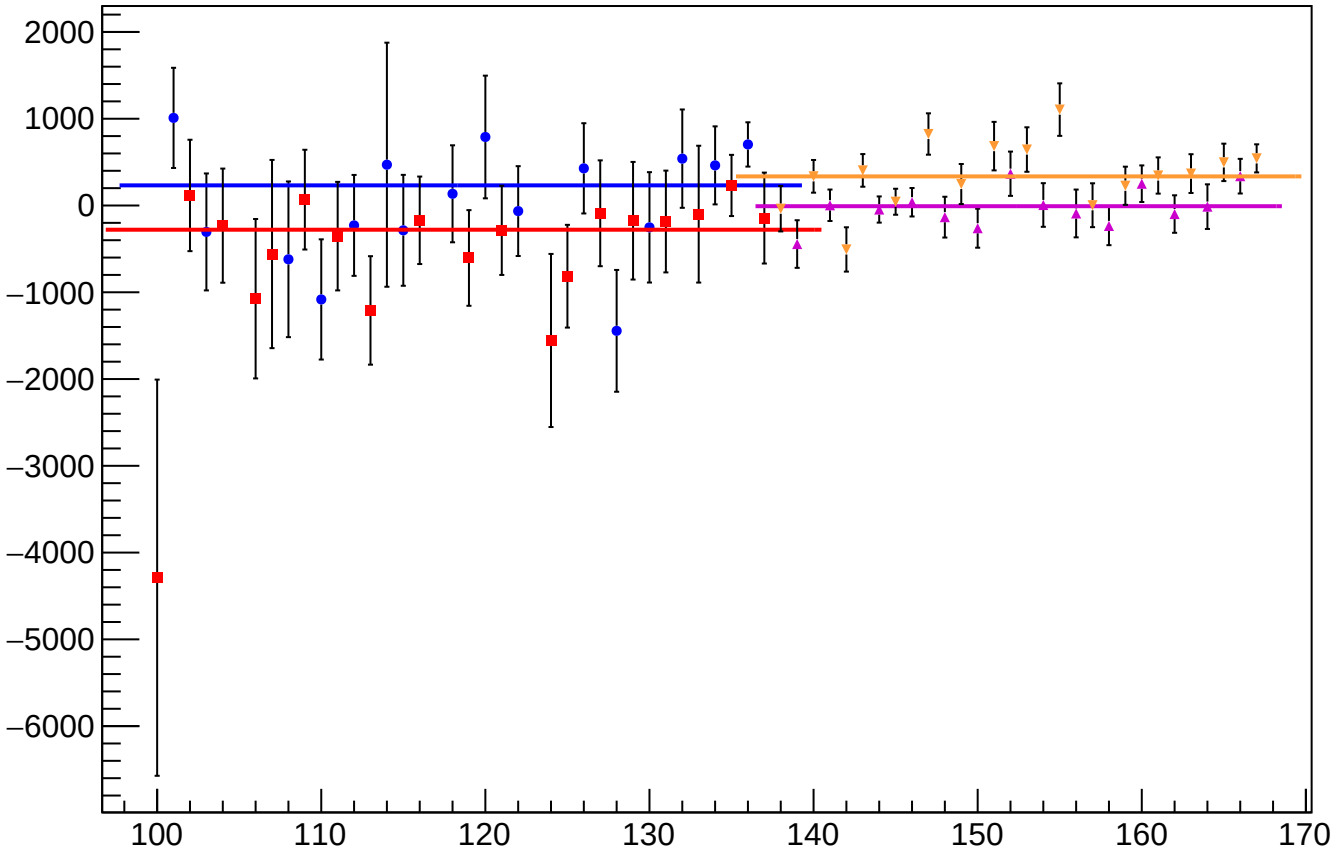
Left: 20.128+/-0.003 χ^2/NDF: 139951.3/29

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.730+/-0.004 χ^2/NDF:1271259.7/29

Out: 21.758+/-0.004 χ^2/NDF:1560764.4/34

All: 21.744+/-0.003 χ^2/NDF: 2832057.0/64



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 335.455+/-53.832 χ^2/NDF:34.9/15

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -8.056+/-56.660 χ^2/NDF:12.2/13

Left: 172.485+/-39.026 χ^2/NDF: 66.4/29

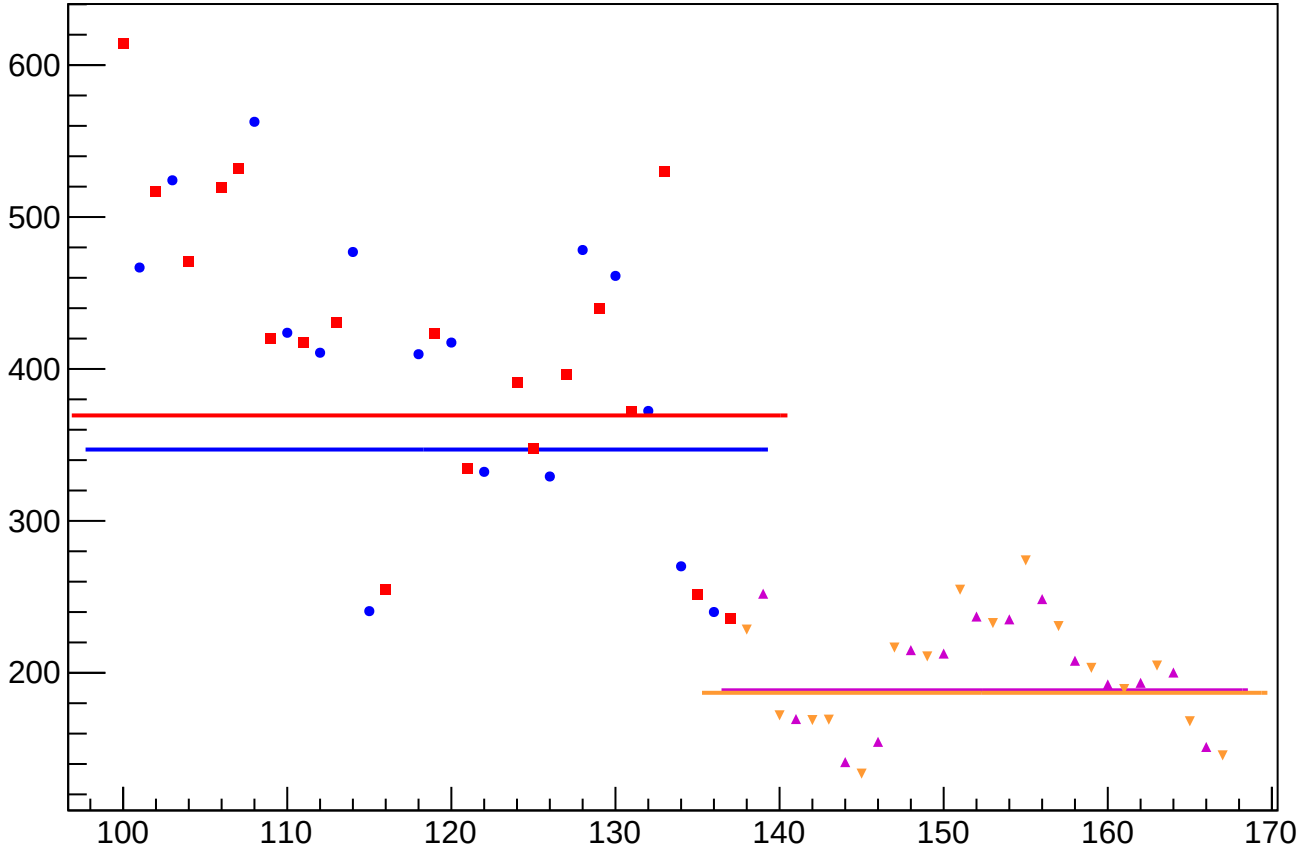
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 27.968+/-52.237 χ^2/NDF:34.6/29

Out: 256.270+/-50.244 χ^2/NDF:63.7/34

All: 146.558+/-36.212 χ^2/NDF: 108.2/64

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 186.864+/-0.038 χ^2/NDF:972196.3/15

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 188.495+/-0.040 χ^2/NDF:786613.9/13

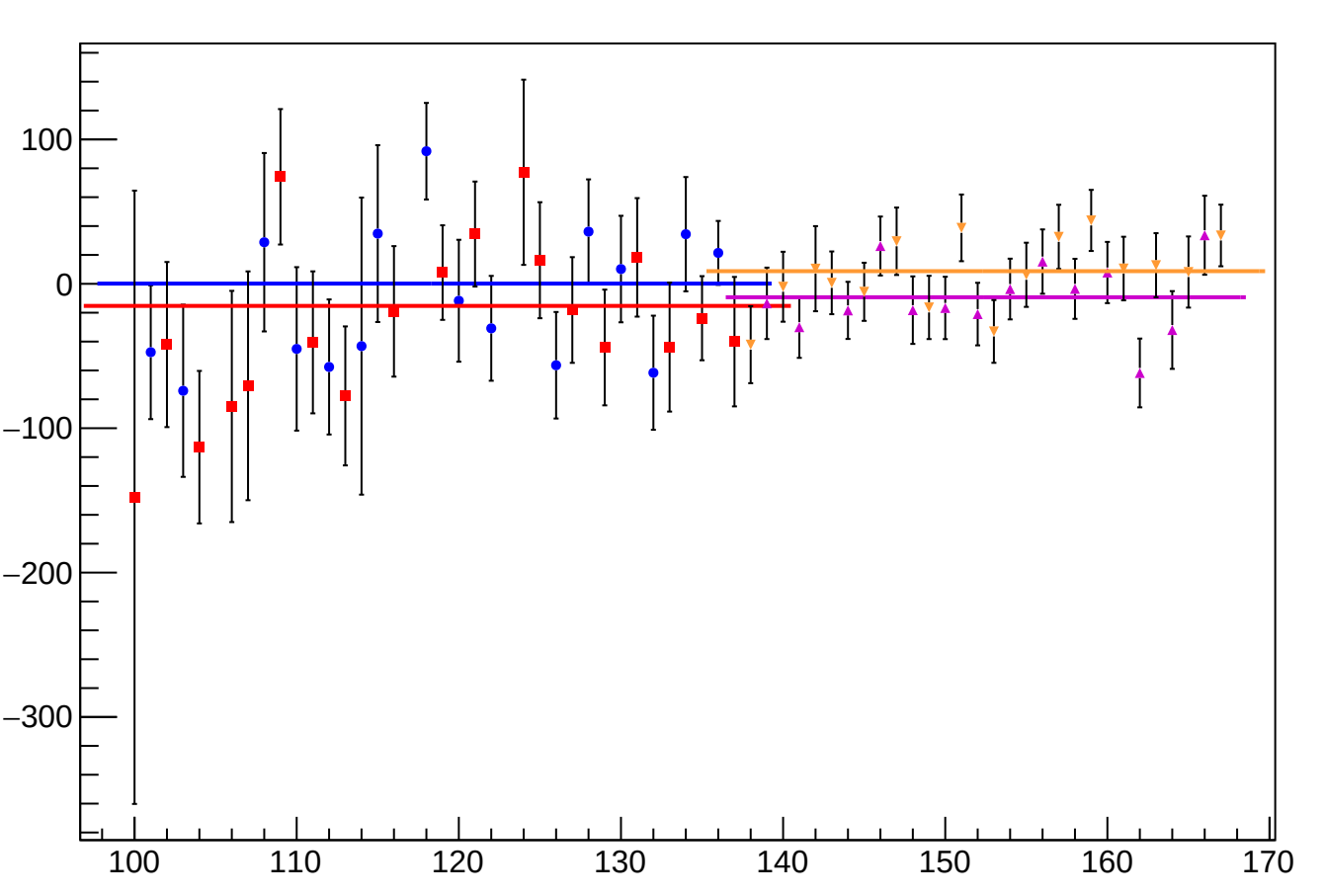
Left: 187.638+/-0.028 χ^2/NDF: 1759681.4/29

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 212.268+/-0.037 χ^2/NDF:4191693.1/29

Out: 210.387+/-0.036 χ^2/NDF:4854674.9/34

All: 211.291+/-0.026 χ^2/NDF: 9047714.8/64



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.767+/-5.682 χ^2/NDF:17.3/15

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -9.301+/-5.955 χ^2/NDF:14.8/13

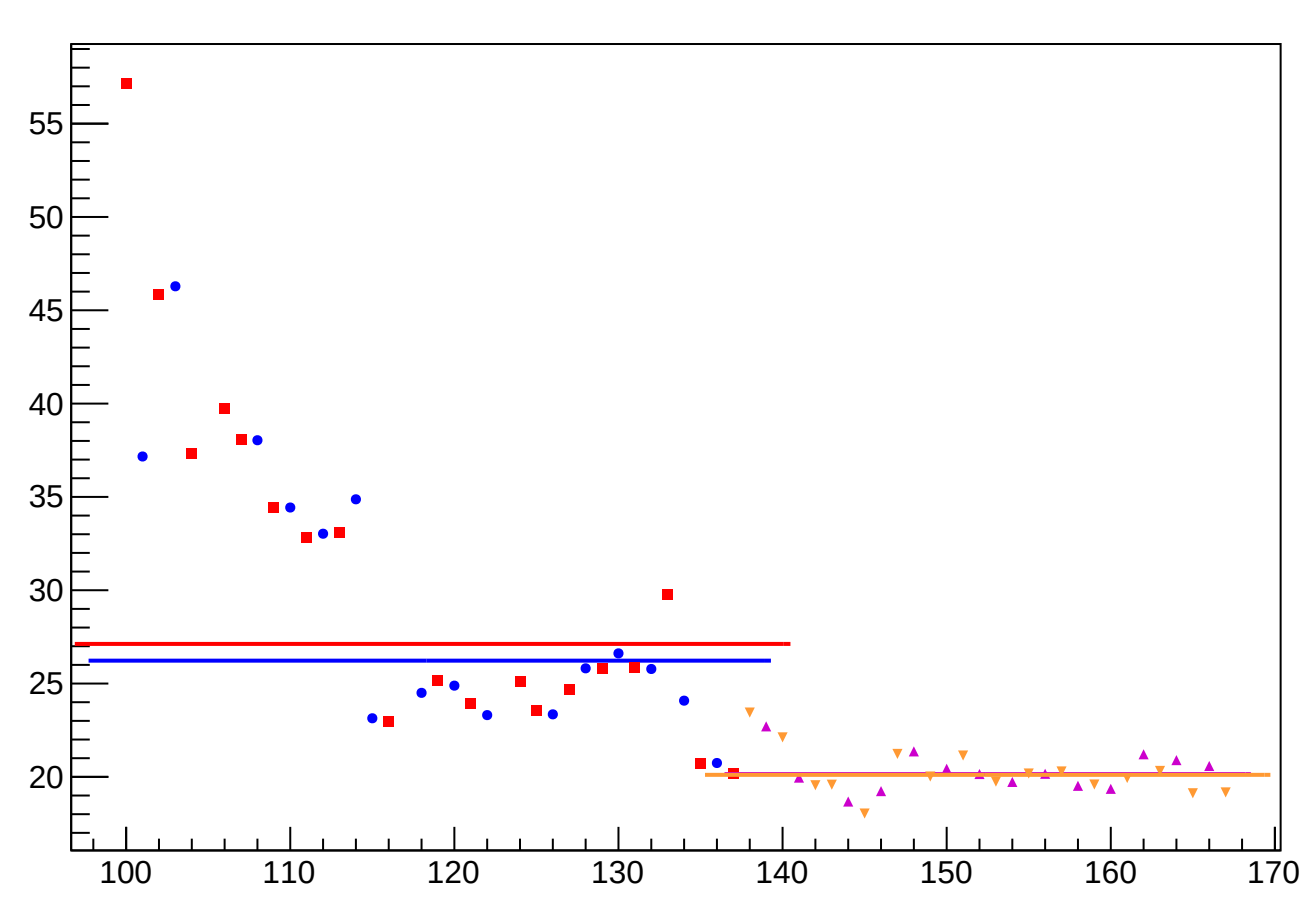
Left: 0.157+/-4.111 χ^2/NDF: 36.9/29

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.842+/-5.123 χ^2/NDF:36.8/29

Out: 3.128+/-4.971 χ^2/NDF:39.4/34

All: -1.708+/-3.568 χ^2/NDF: 78.1/64



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.109+/-0.004 χ^2/NDF:86141.5/15

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.150+/-0.004 χ^2/NDF:53760.5/13

Left: 20.128+/-0.003 χ^2/NDF: 139951.3/29

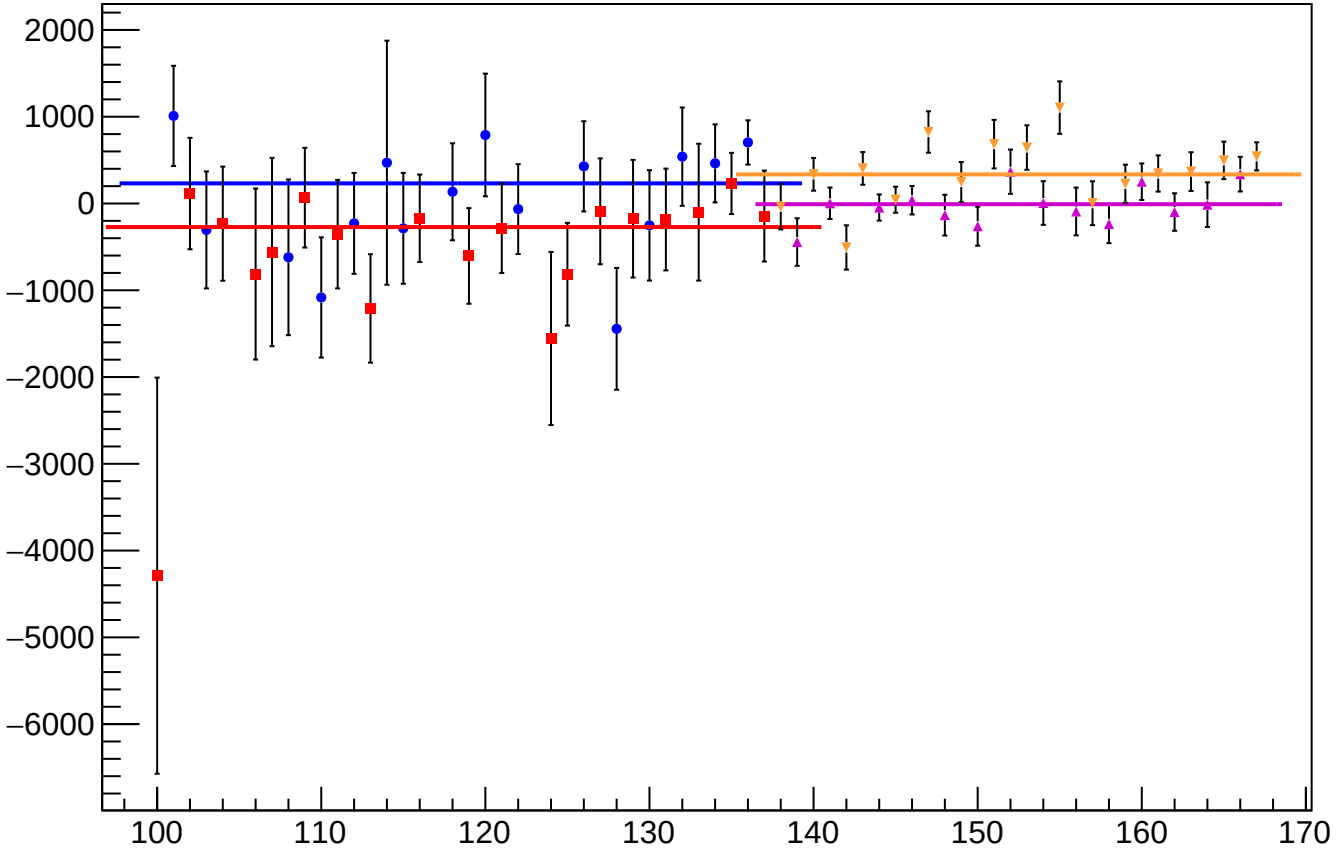
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.730+/-0.004 χ^2/NDF:1271263.1/29

Out: 21.753+/-0.004 χ^2/NDF:1546365.7/34

All: 21.742+/-0.003 χ^2/NDF: 2817650.2/64

asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 335.453+/-53.832 χ^2/NDF:34.9/15

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -8.057+/-56.660 χ^2/NDF:12.2/13

Left: 172.484+/-39.026 χ^2/NDF: 66.4/29

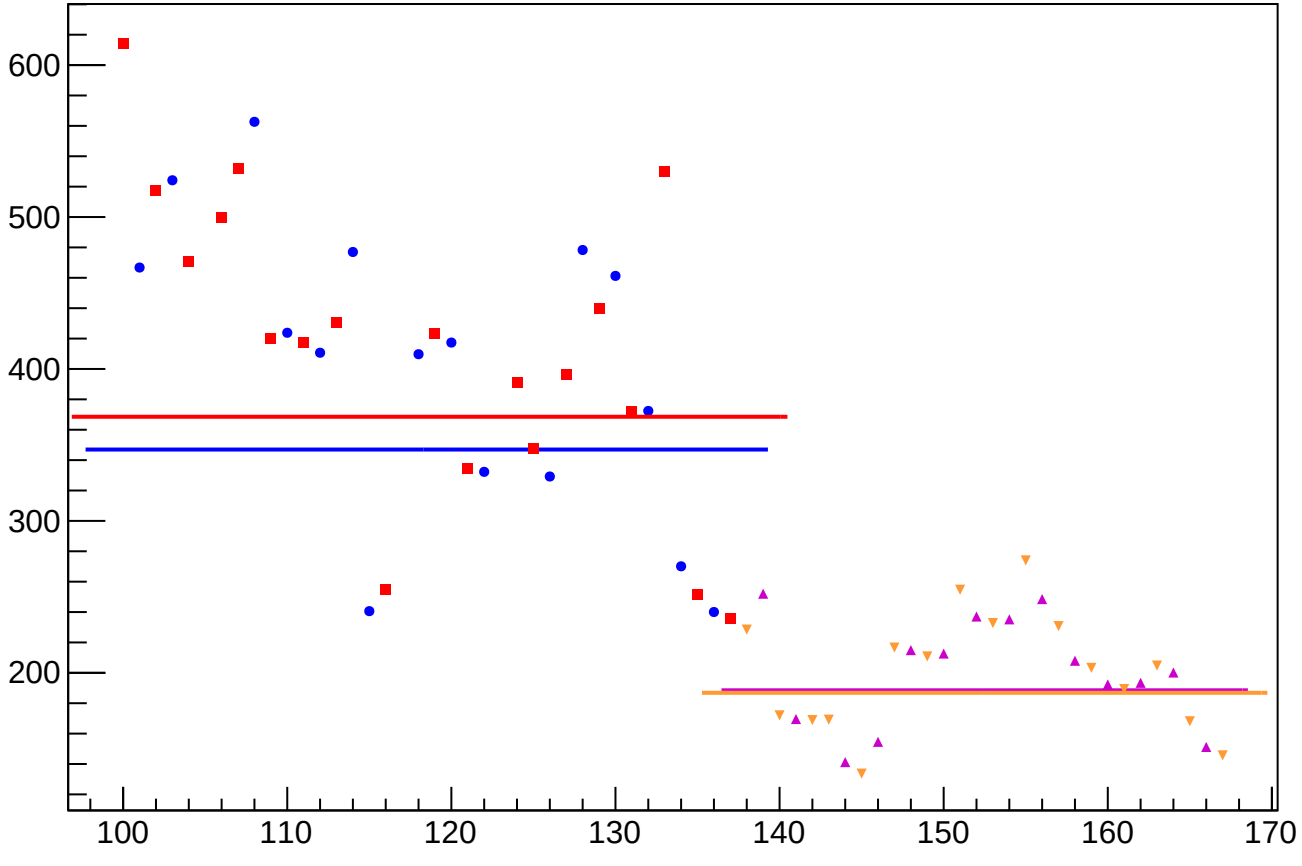
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 27.967+/-52.237 χ^2/NDF:34.6/29

Out: 257.463+/-50.254 χ^2/NDF:62.8/34

All: 147.154+/-36.216 χ^2/NDF: 107.4/64

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 186.864+/-0.038 χ^2/NDF:972199.4/15

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 188.495+/-0.040 χ^2/NDF:786611.3/13

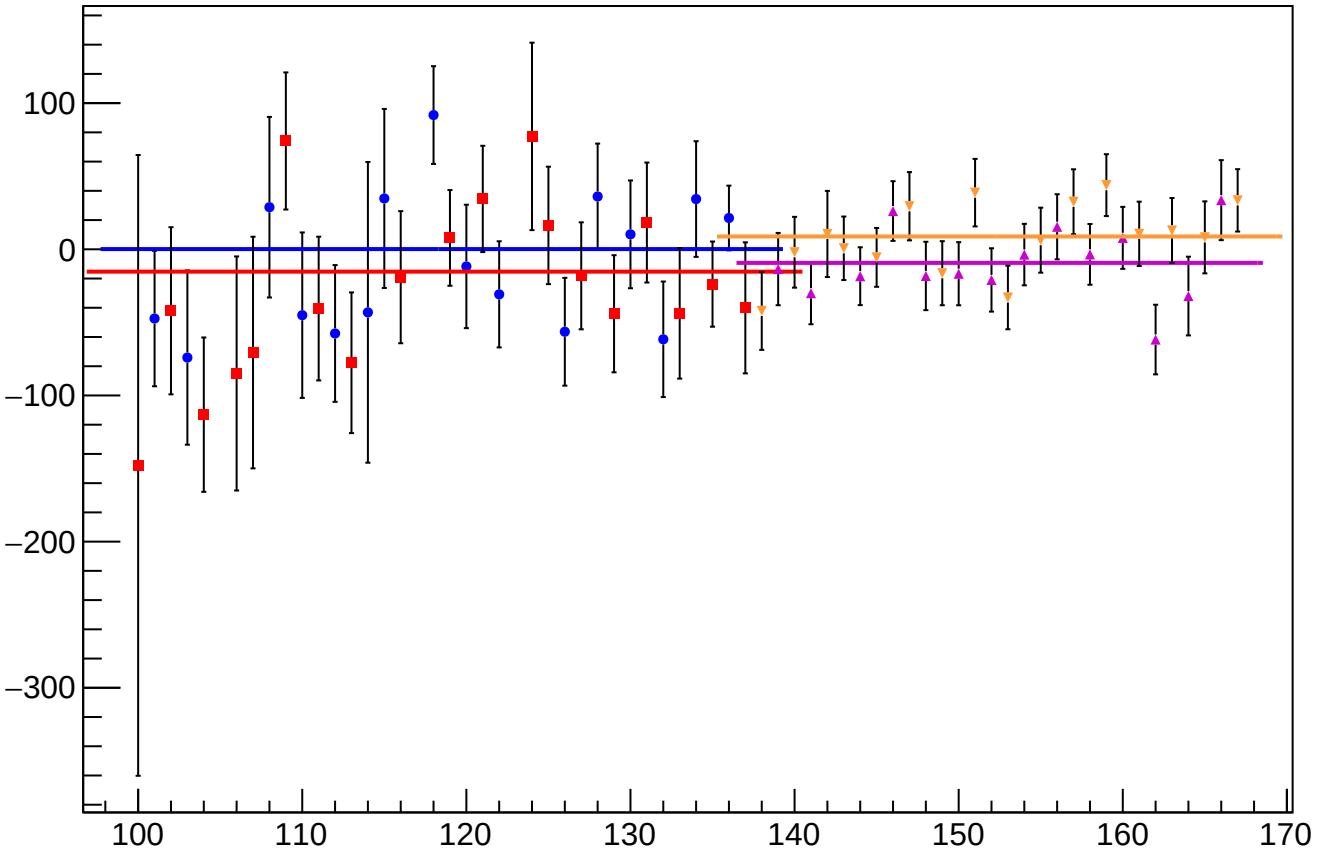
Left: 187.638+/-0.028 χ^2/NDF: 1759682.0/29

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 212.268+/-0.037 χ^2/NDF:4191713.8/29

Out: 210.212+/-0.036 χ^2/NDF:4800029.3/34

All: 211.200+/-0.026 χ^2/NDF: 8993352.0/64



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.767+/-5.682 χ^2/NDF:17.3/15

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -9.301+/-5.955 χ^2/NDF:14.8/13

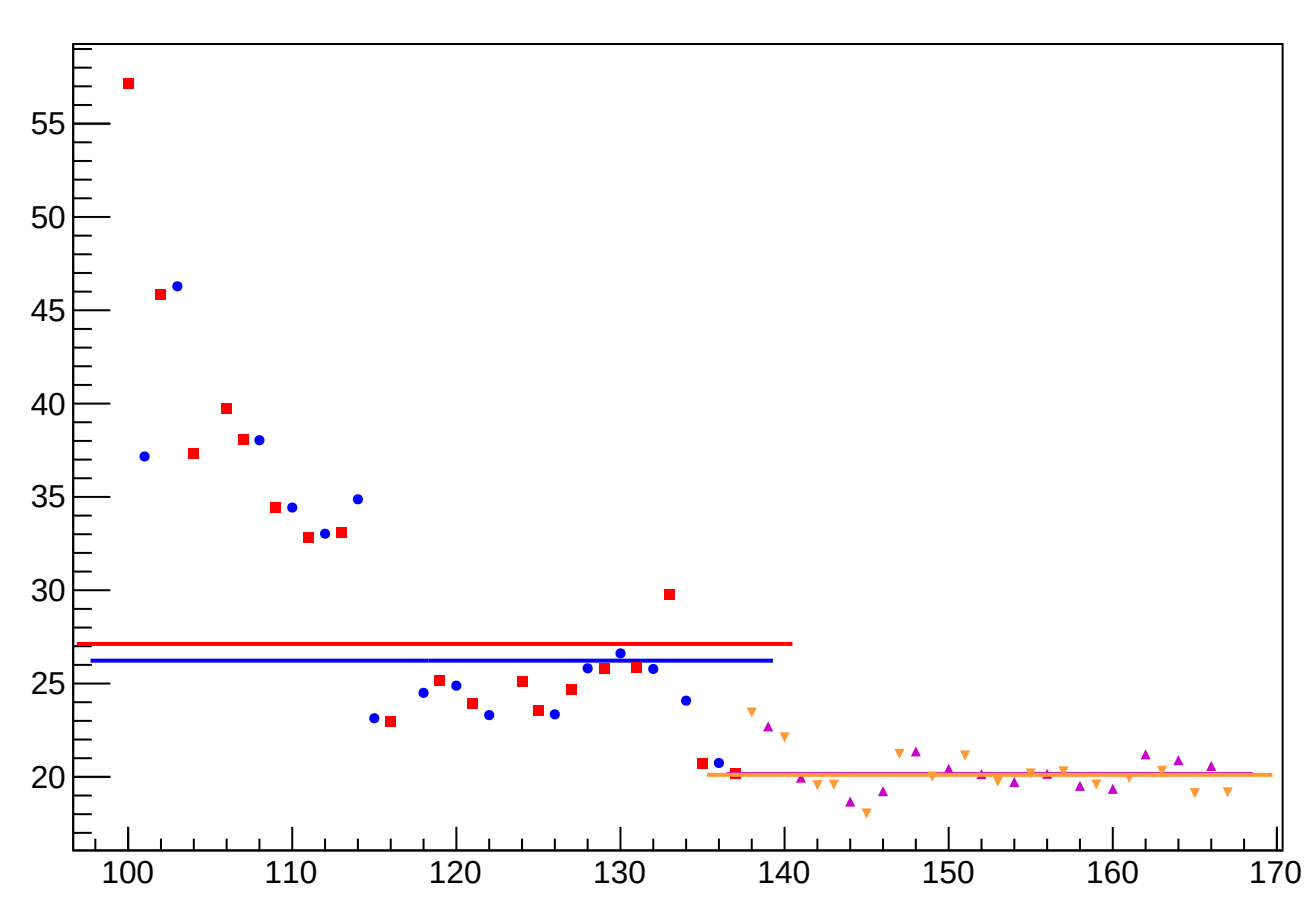
Left: 0.157+/-4.111 χ^2/NDF: 36.9/29

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.842+/-5.123 χ^2/NDF:36.8/29

Out: 3.128+/-4.971 χ^2/NDF:39.4/34

All: -1.708+/-3.568 χ^2/NDF: 78.1/64



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.109+/-0.004 χ^2/NDF:86141.5/15

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.150+/-0.004 χ^2/NDF:53760.5/13

Left: 20.128+/-0.003 χ^2/NDF: 139951.3/29

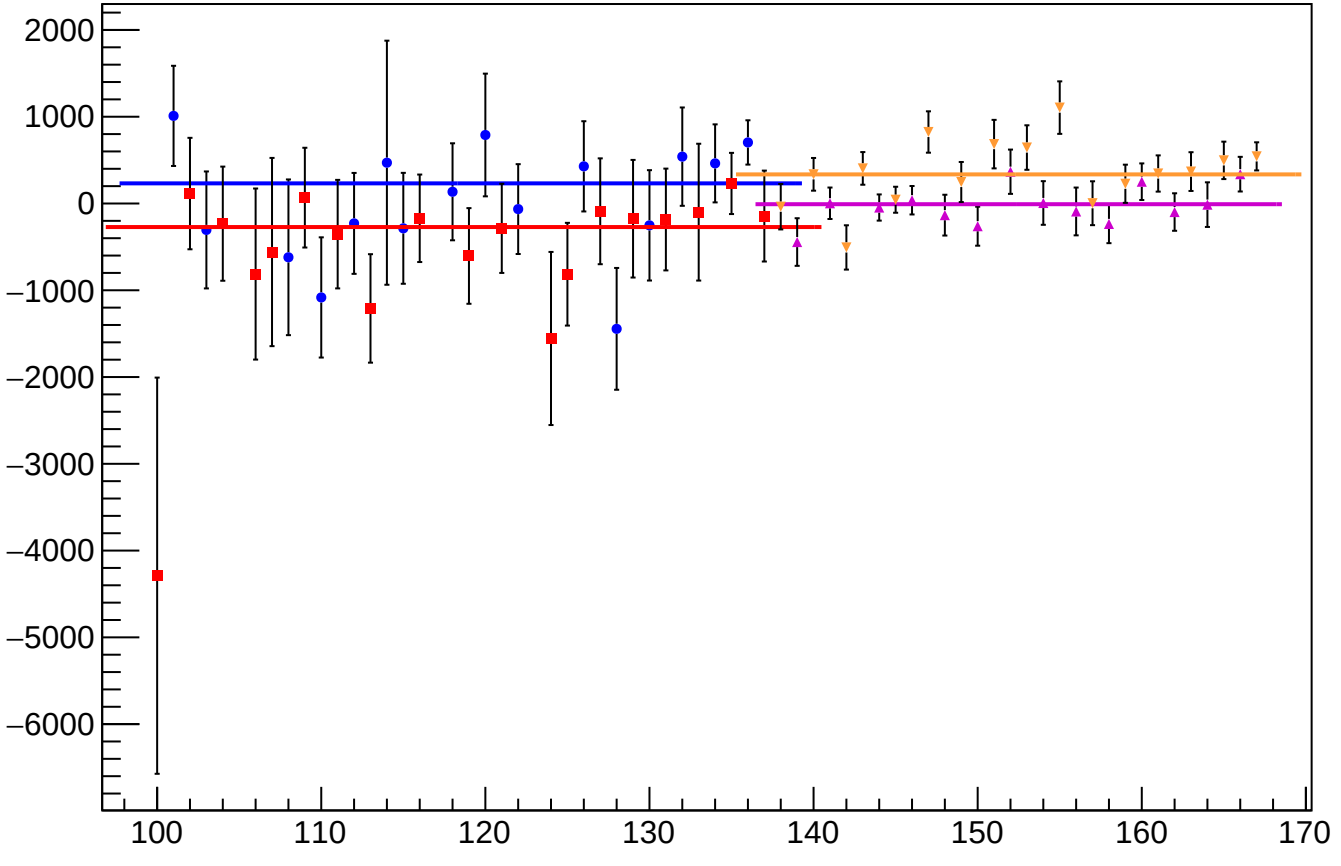
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.730+/-0.004 χ^2/NDF:1271263.1/29

Out: 21.753+/-0.004 χ^2/NDF:1546365.7/34

All: 21.742+/-0.003 χ^2/NDF: 2817650.2/64

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 335.453+/-53.832 χ^2/NDF:34.9/15

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -8.057+/-56.660 χ^2/NDF:12.2/13

Left: 172.484+/-39.026 χ^2/NDF: 66.4/29

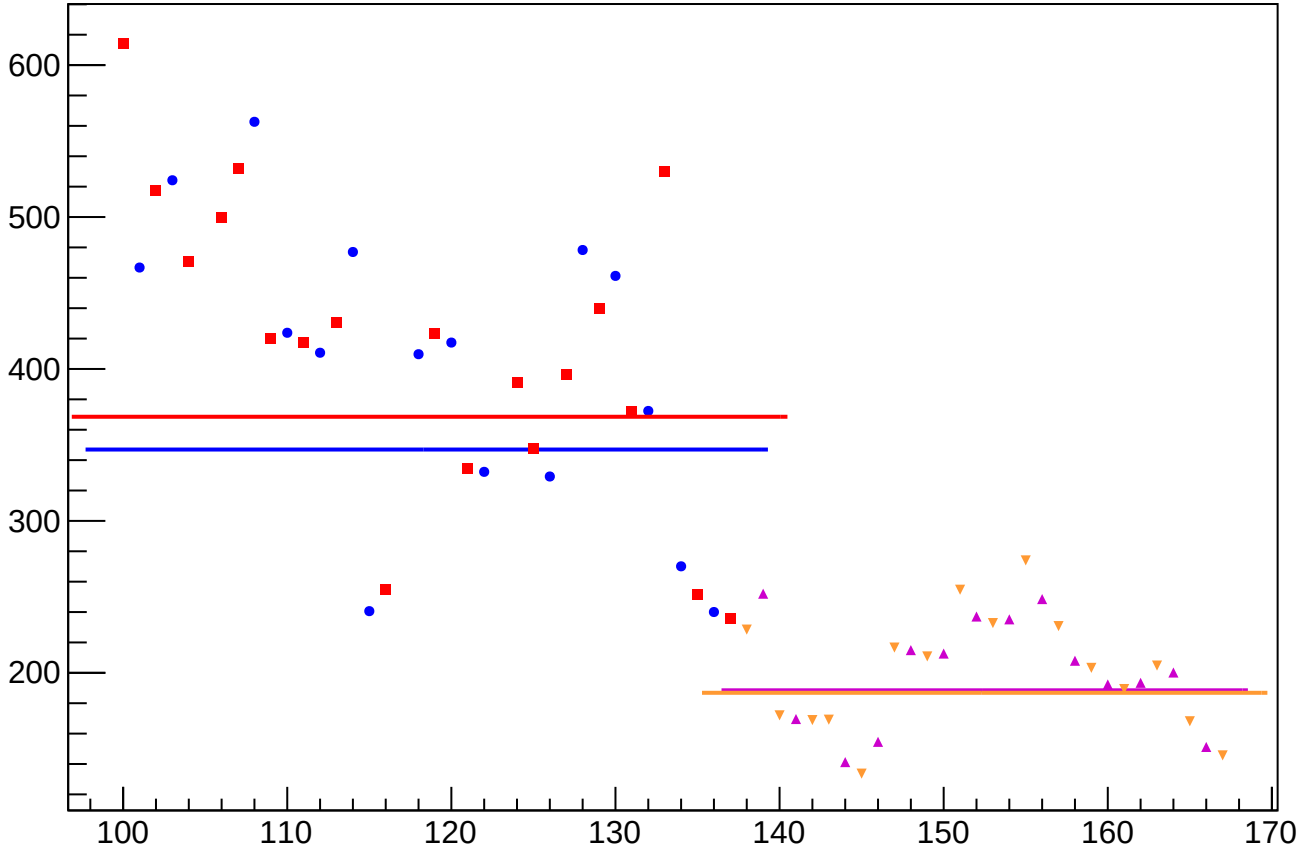
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 27.967+/-52.237 χ^2/NDF:34.6/29

Out: 257.463+/-50.254 χ^2/NDF:62.8/34

All: 147.154+/-36.216 χ^2/NDF: 107.4/64

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 186.864+/-0.038 χ^2/NDF:972199.4/15

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 188.495+/-0.040 χ^2/NDF:786611.3/13

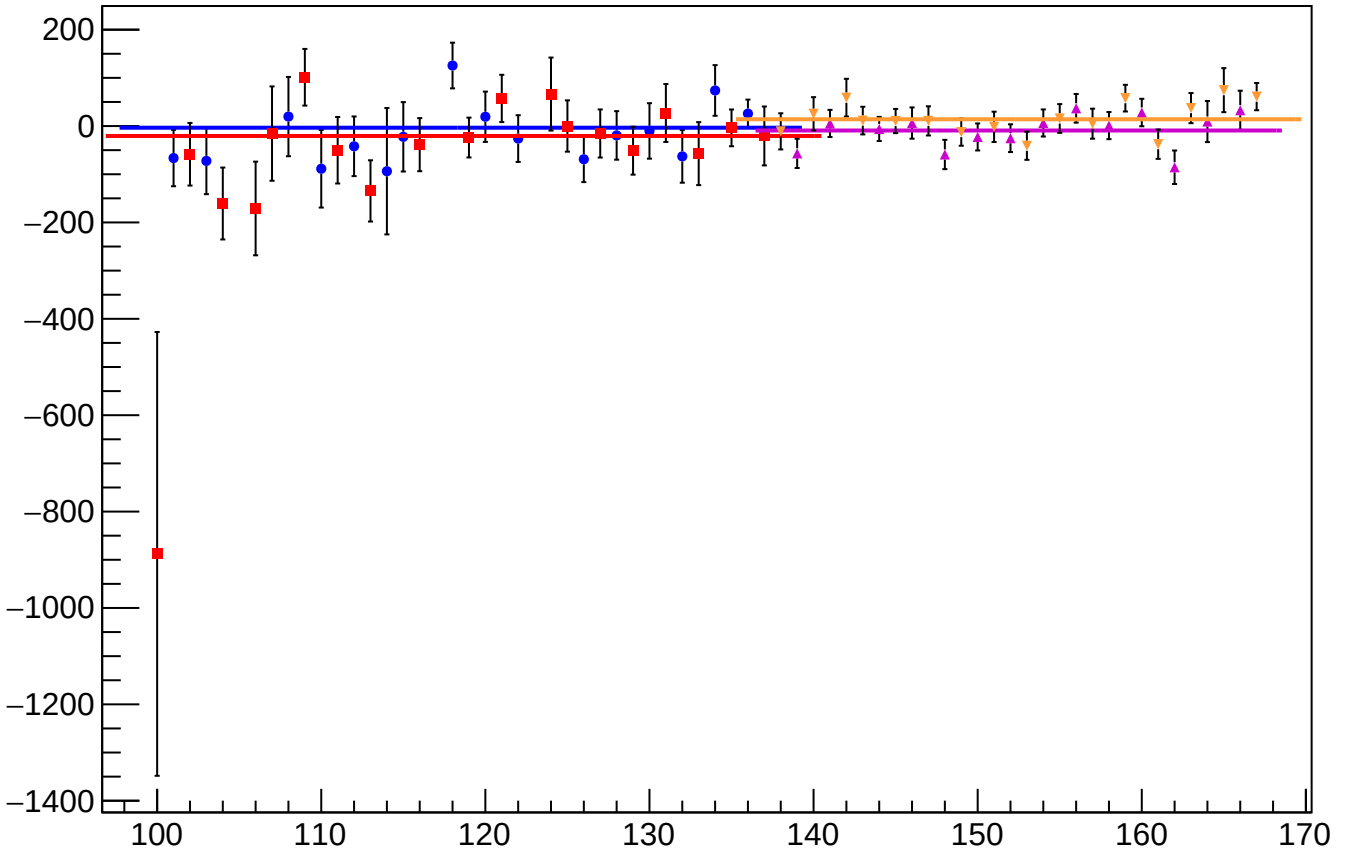
Left: 187.638+/-0.028 χ^2/NDF: 1759682.0/29

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 212.268+/-0.037 χ^2/NDF:4191713.8/29

Out: 210.212+/-0.036 χ^2/NDF:4800029.3/34

All: 211.200+/-0.026 χ^2/NDF: 8993352.0/64



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 14.092+/-7.711 χ^2/NDF:17.1/15

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -9.215+/-8.073 χ^2/NDF:16.8/13

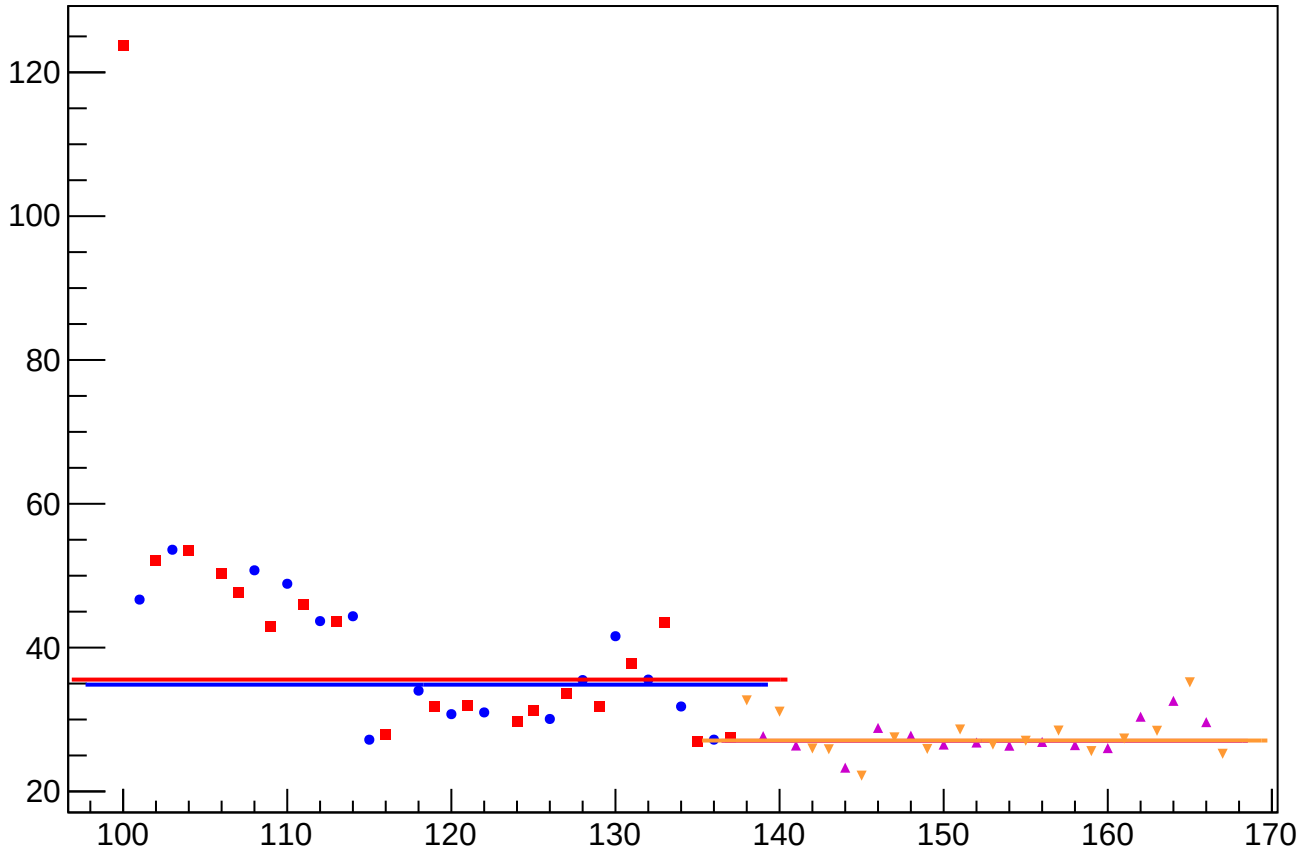
Left: 2.973+/-5.576 χ^2/NDF: 38.3/29

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.672+/-6.914 χ^2/NDF:35.4/29

Out: 5.542+/-6.692 χ^2/NDF:45.2/34

All: -0.850+/-4.809 χ^2/NDF: 82.6/64



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 27.078+/-0.005 χ^2/NDF:246468.9/15

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 27.028+/-0.006 χ^2/NDF:120186.5/13

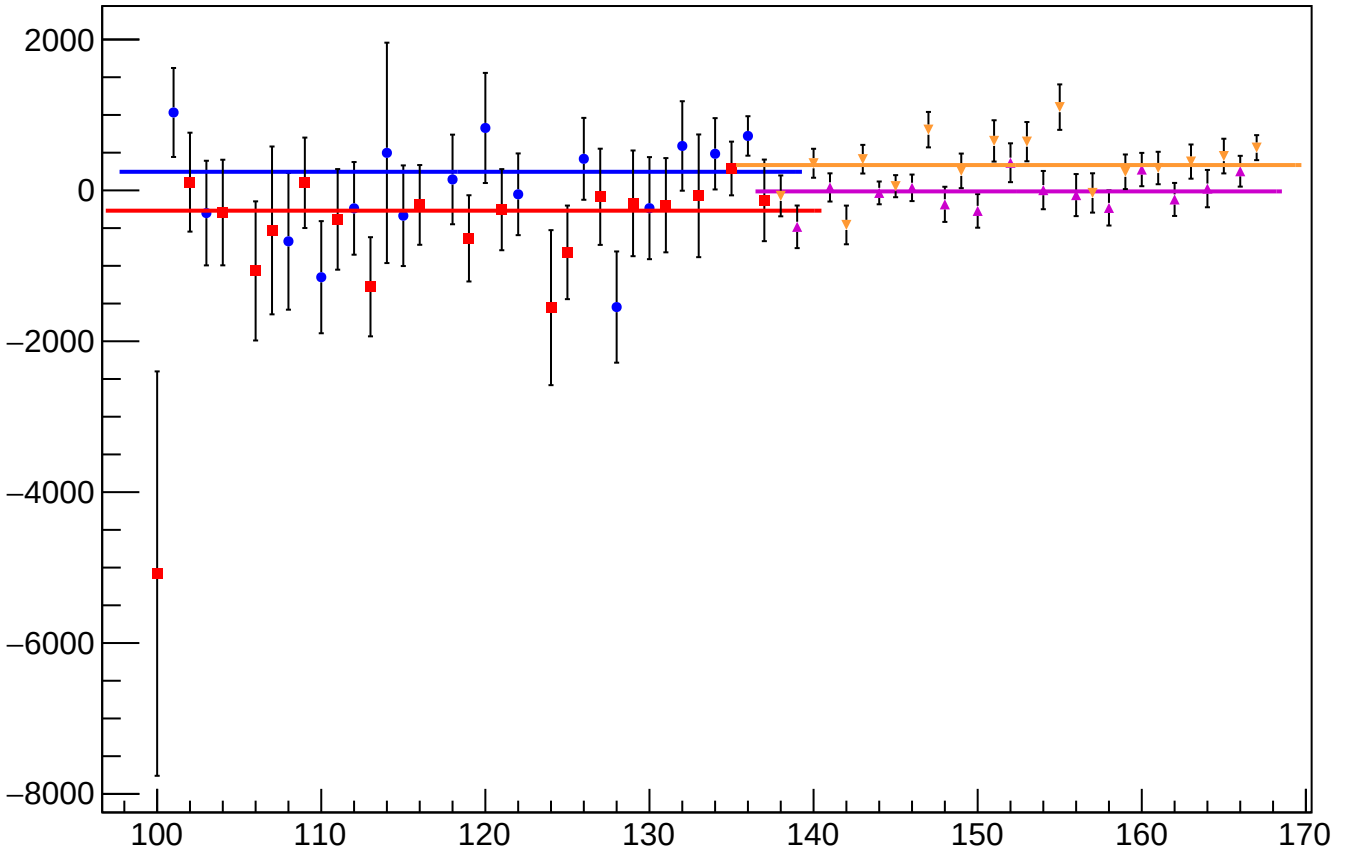
Left: 27.054+/-0.004 χ^2/NDF: 366695.9/29

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.113+/-0.005 χ^2/NDF:1278818.4/29

Out: 29.169+/-0.005 χ^2/NDF:1622338.1/34

All: 29.142+/-0.003 χ^2/NDF: 2901223.8/64



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 335.805+/-54.493 χ^2/NDF:33.5/15

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -13.371+/-57.791 χ^2/NDF:11.6/13

Left: 171.464+/-39.647 χ^2/NDF: 64.5/29

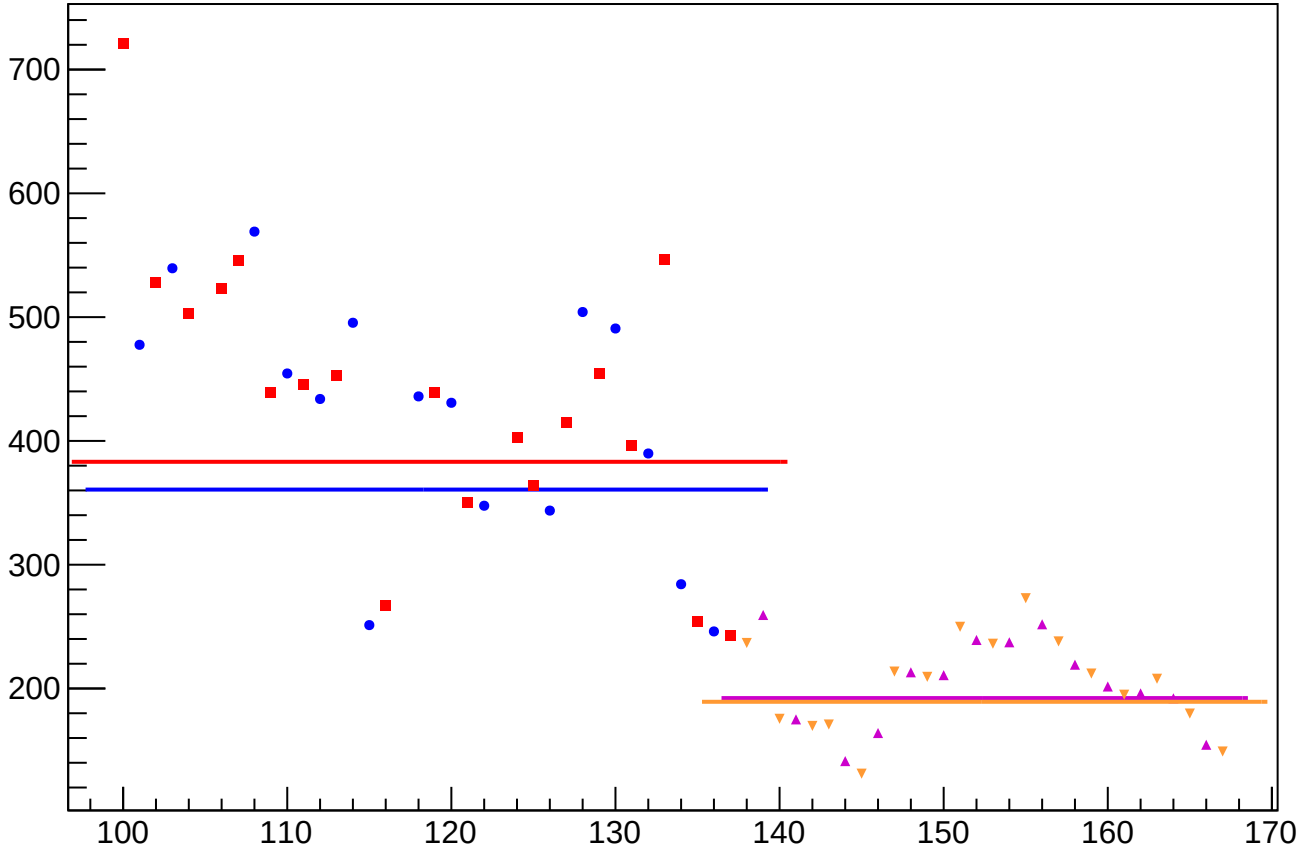
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 24.337+/-53.434 χ^2/NDF:34.3/29

Out: 261.235+/-51.022 χ^2/NDF:61.3/34

All: 148.252+/-36.901 χ^2/NDF: 105.9/64

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 189.267+/-0.039 χ^2/NDF:996724.1/15

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 192.259+/-0.041 χ^2/NDF:758846.5/13

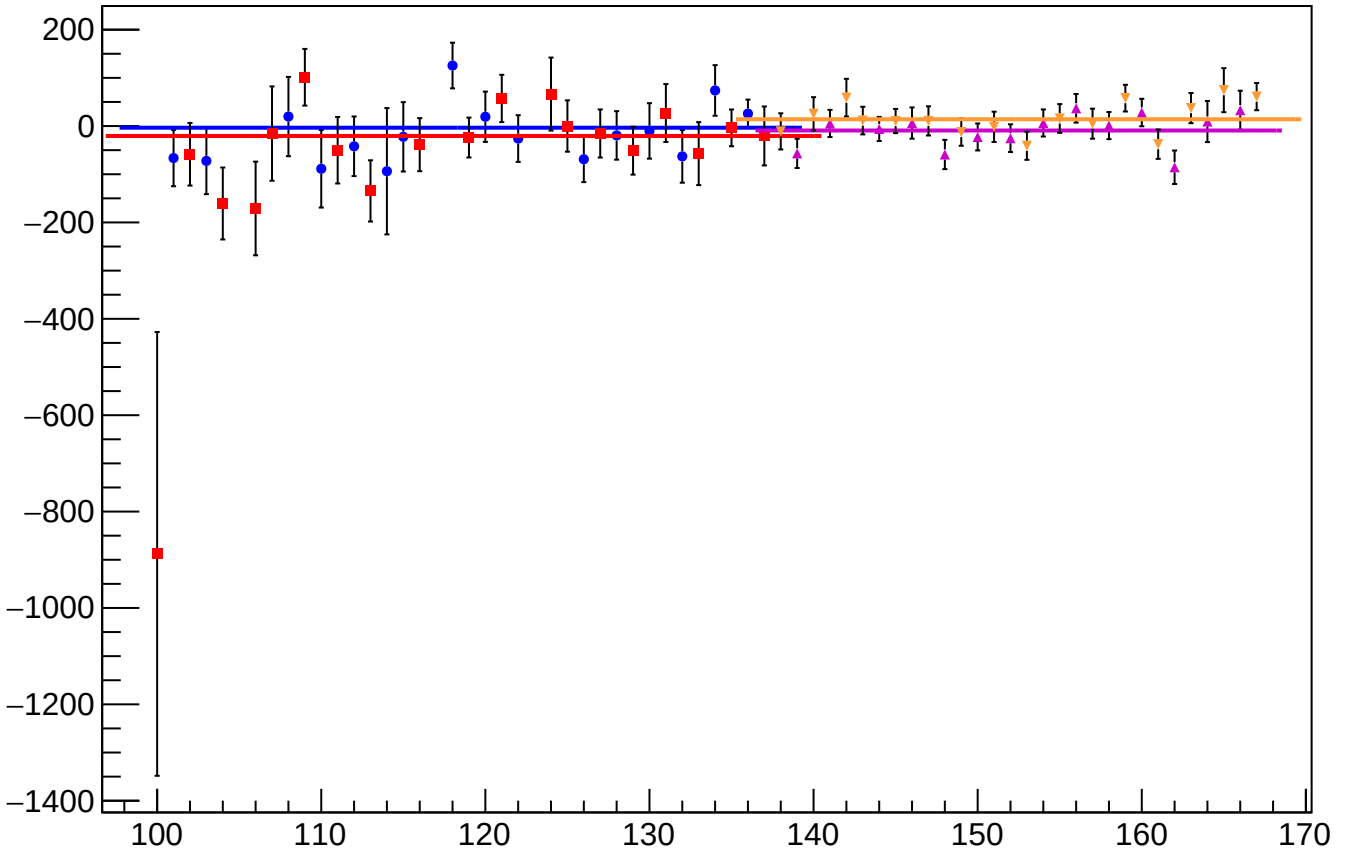
Left: 190.675+/-0.028 χ^2/NDF: 1758408.2/29

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 216.699+/-0.038 χ^2/NDF:4316751.8/29

Out: 213.173+/-0.036 χ^2/NDF:5081380.0/34

All: 214.855+/-0.026 χ^2/NDF: 9402685.5/64



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 14.092+/-7.711 χ^2/NDF:17.1/15

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -9.215+/-8.073 χ^2/NDF:16.8/13

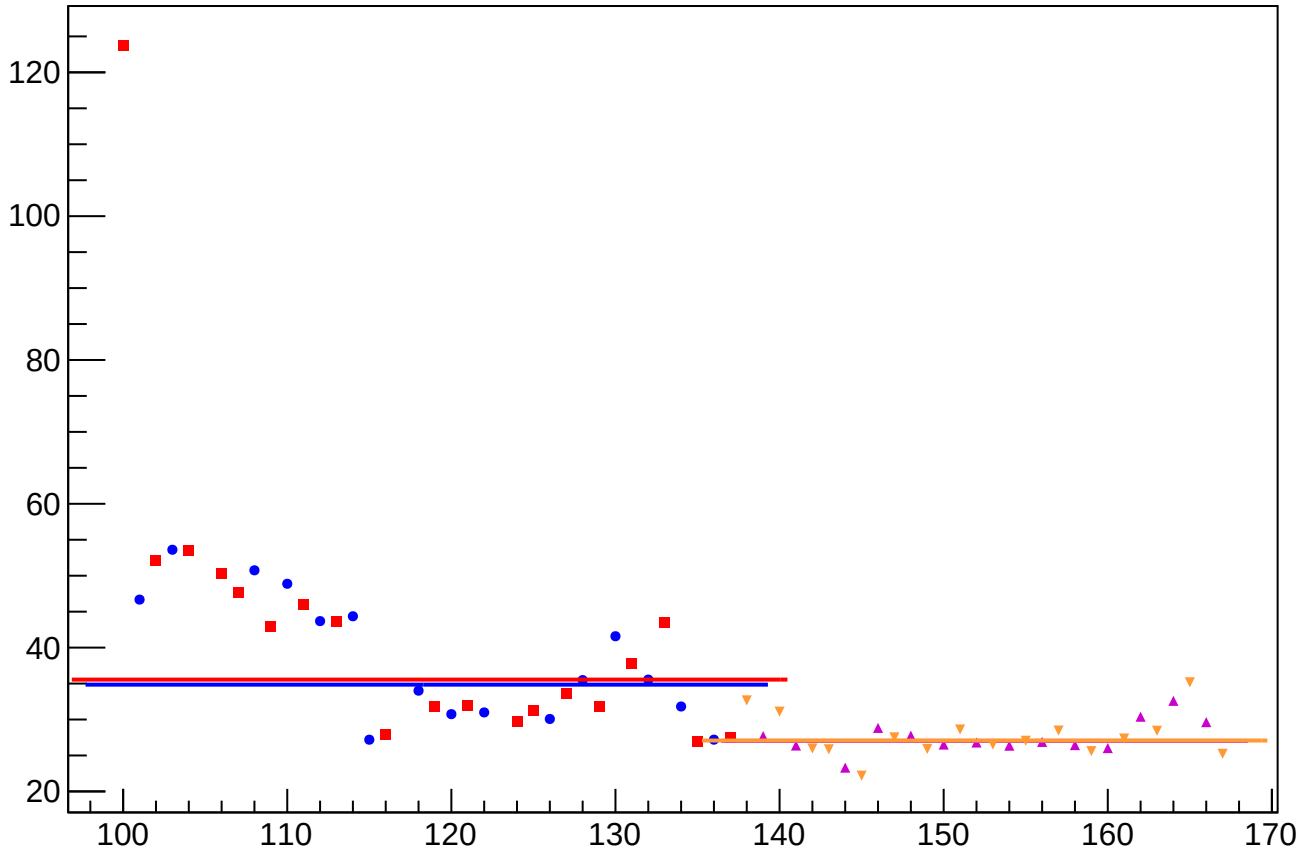
Left: 2.973+/-5.576 χ^2/NDF: 38.3/29

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.672+/-6.914 χ^2/NDF:35.4/29

Out: 5.541+/-6.692 χ^2/NDF:45.2/34

All: -0.850+/-4.809 χ^2/NDF: 82.6/64



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 27.078+/-0.005 χ^2/NDF:246459.6/15

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 27.028+/-0.006 χ^2/NDF:120187.3/13

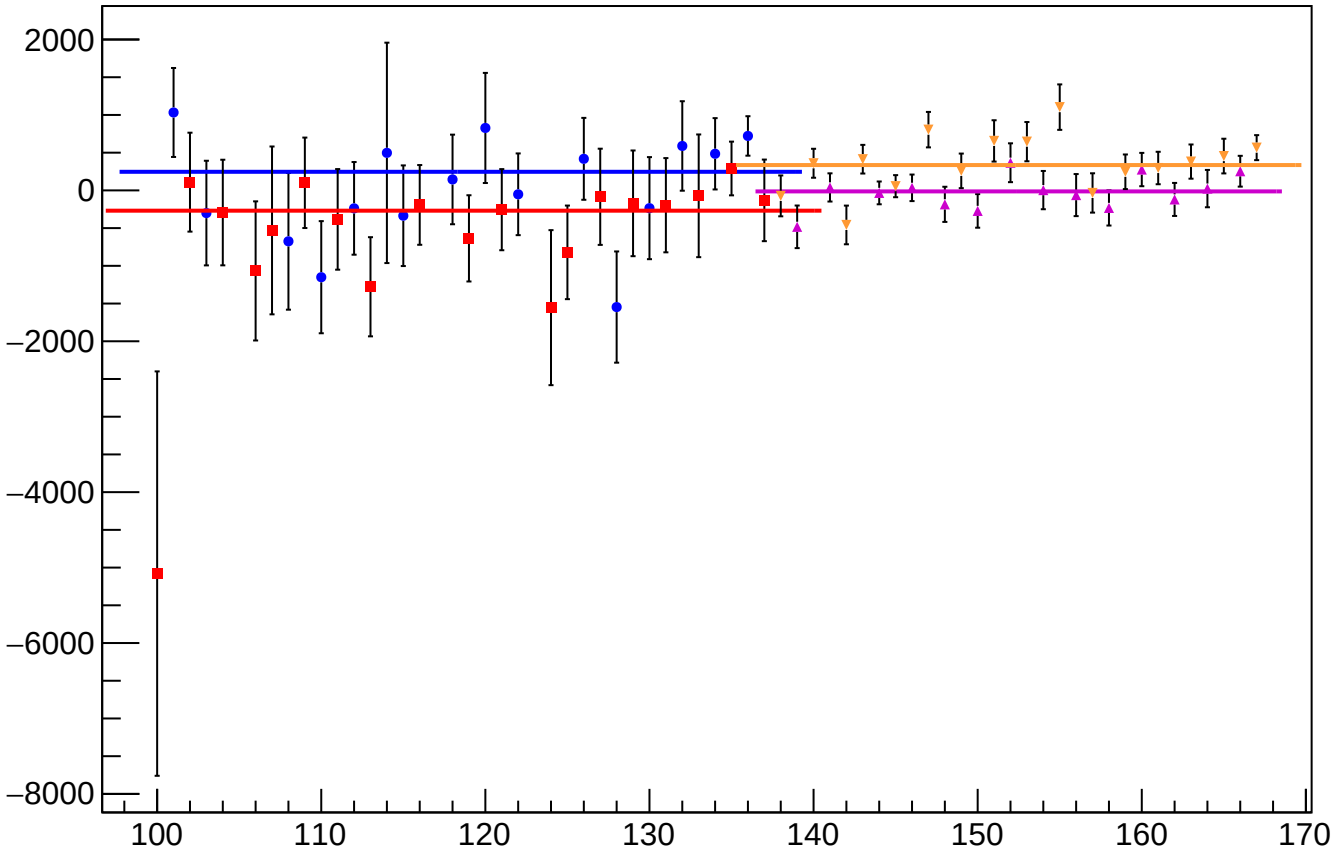
Left: 27.054+/-0.004 χ^2/NDF: 366687.3/29

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 29.113+/-0.005 χ^2/NDF:1278707.5/29

Out: 29.169+/-0.005 χ^2/NDF:1622239.9/34

All: 29.142+/-0.003 χ^2/NDF: 2901014.8/64



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 335.804+/-54.492 χ^2/NDF:33.5/15

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -13.371+/-57.790 χ^2/NDF:11.6/13

Left: 171.464+/-39.647 χ^2/NDF: 64.5/29

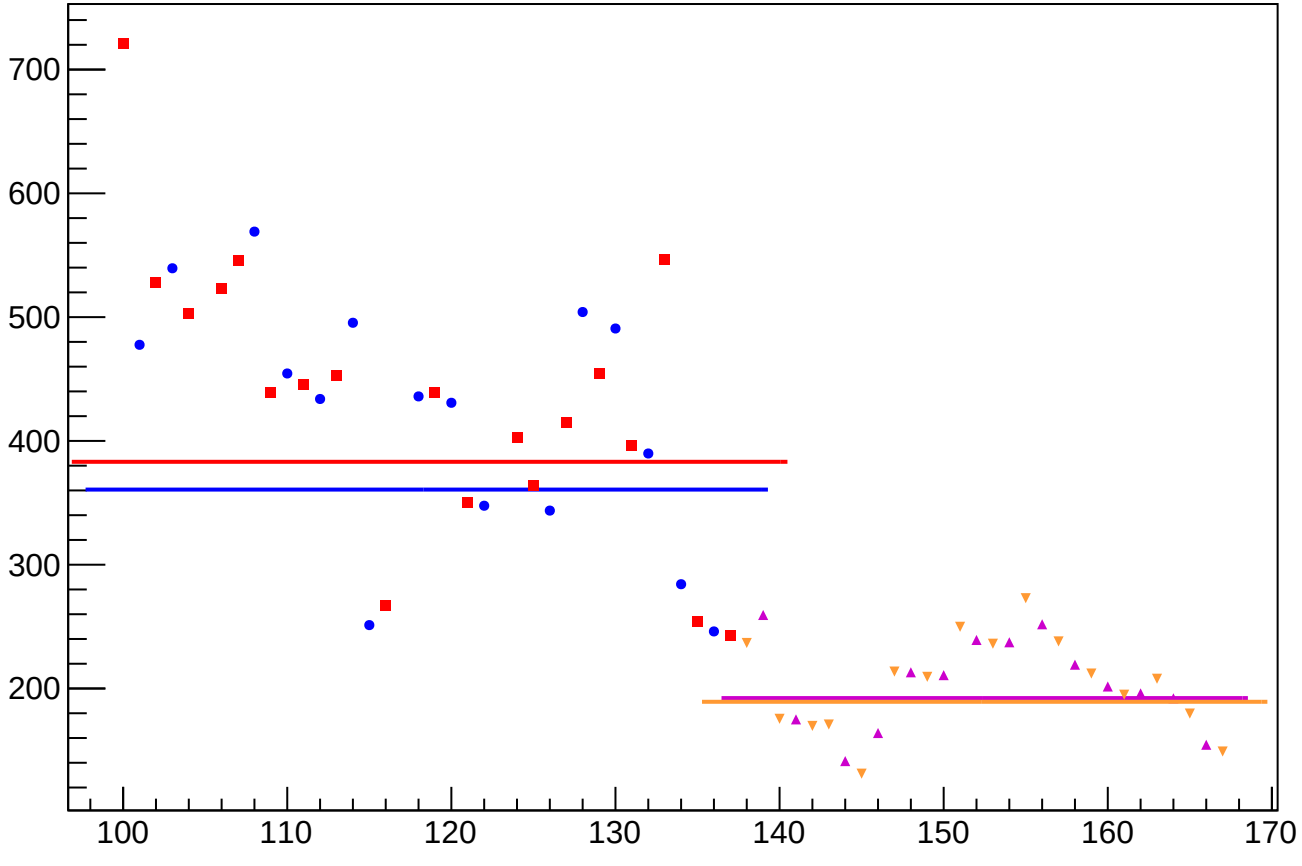
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 24.337+/-53.433 χ^2/NDF:34.3/29

Out: 261.234+/-51.022 χ^2/NDF:61.3/34

All: 148.251+/-36.901 χ^2/NDF: 105.9/64

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 189.266+/-0.039 χ^2/NDF:996745.4/15

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 192.258+/-0.041 χ^2/NDF:758852.0/13

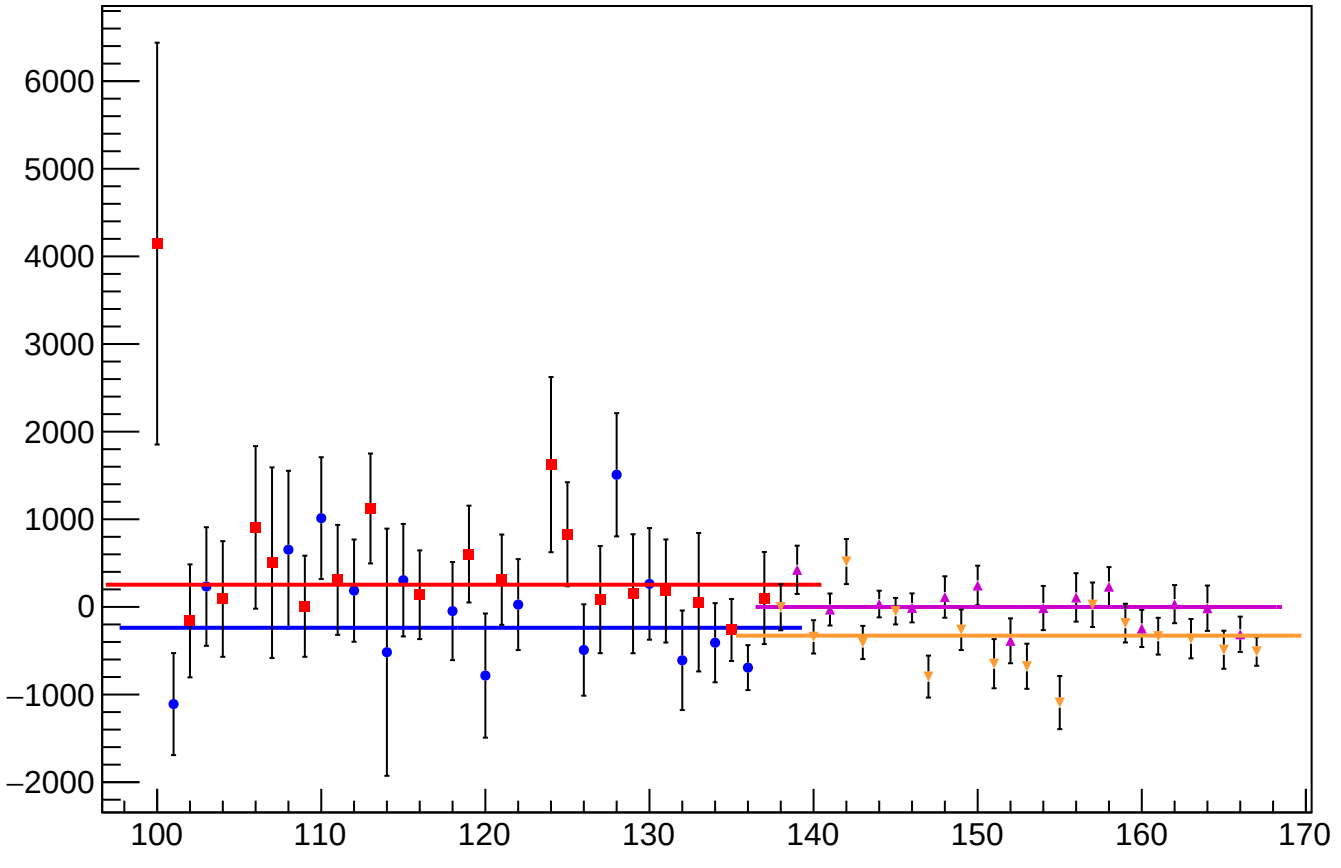
Left: 190.675+/-0.028 χ^2/NDF: 1758435.2/29

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 216.698+/-0.038 χ^2/NDF:4316747.1/29

Out: 213.173+/-0.036 χ^2/NDF:5081400.7/34

All: 214.854+/-0.026 χ^2/NDF: 9402701.9/64



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -327.803+/-54.174 χ^2/NDF:33.4/15

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: -0.616+/-57.020 χ^2/NDF:11.1/13

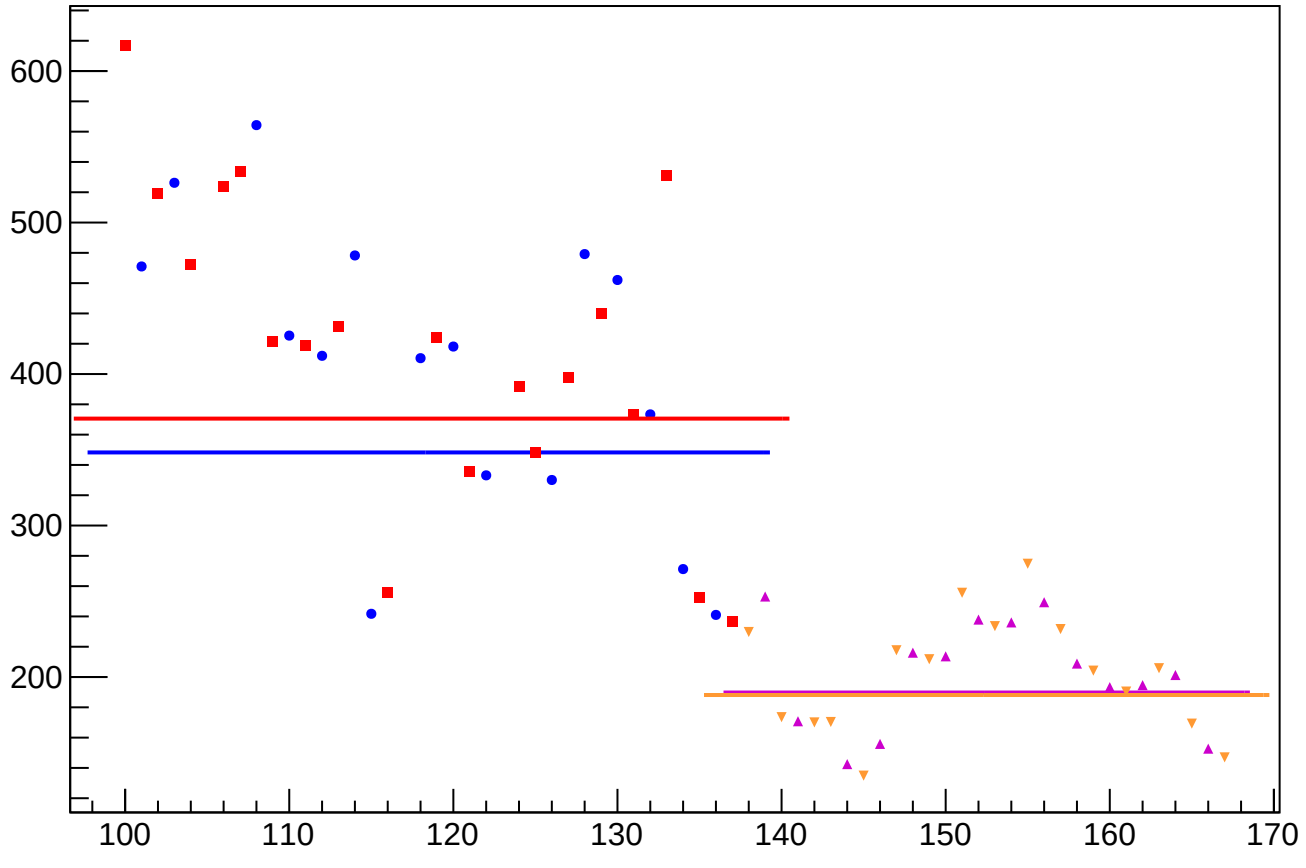
Left: -172.576+/-39.274 χ^2/NDF: 61.9/29

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -36.402+/-52.547 χ^2/NDF:33.7/29

Out: -252.491+/-50.543 χ^2/NDF:60.0/34

All: -148.645+/-36.427 χ^2/NDF: 102.5/64



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 188.134+/-0.038 χ^2/NDF:953742.2/15

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 189.772+/-0.040 χ^2/NDF:769947.9/13

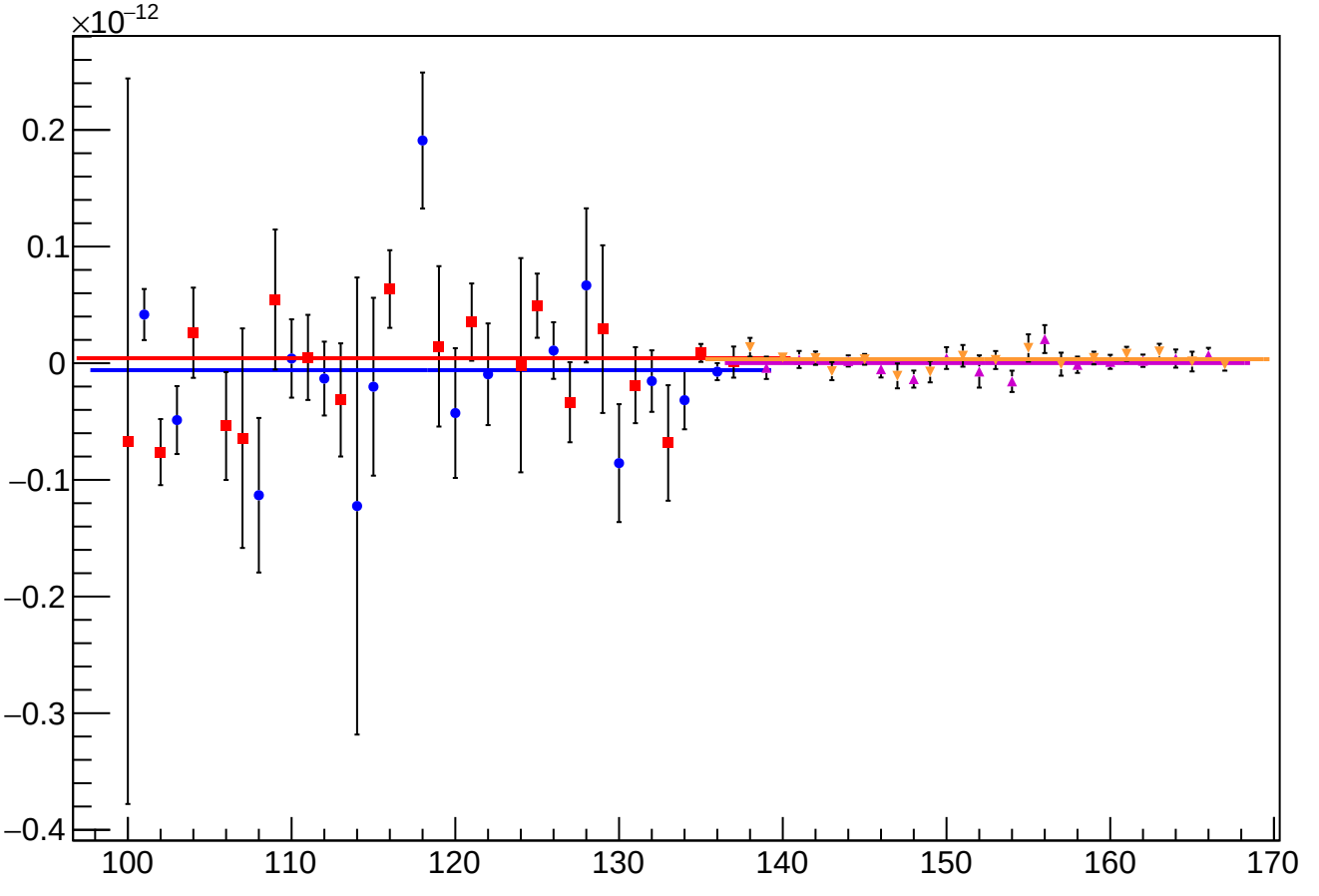
Left: 188.911+/-0.028 χ^2/NDF: 1724556.6/29

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 213.659+/-0.037 χ^2/NDF:4155516.6/29

Out: 211.775+/-0.036 χ^2/NDF:4810900.3/34

All: 212.680+/-0.026 χ^2/NDF: 8967752.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/13

Left: 0.000+/-0.000 χ^2/NDF: 24.4/29

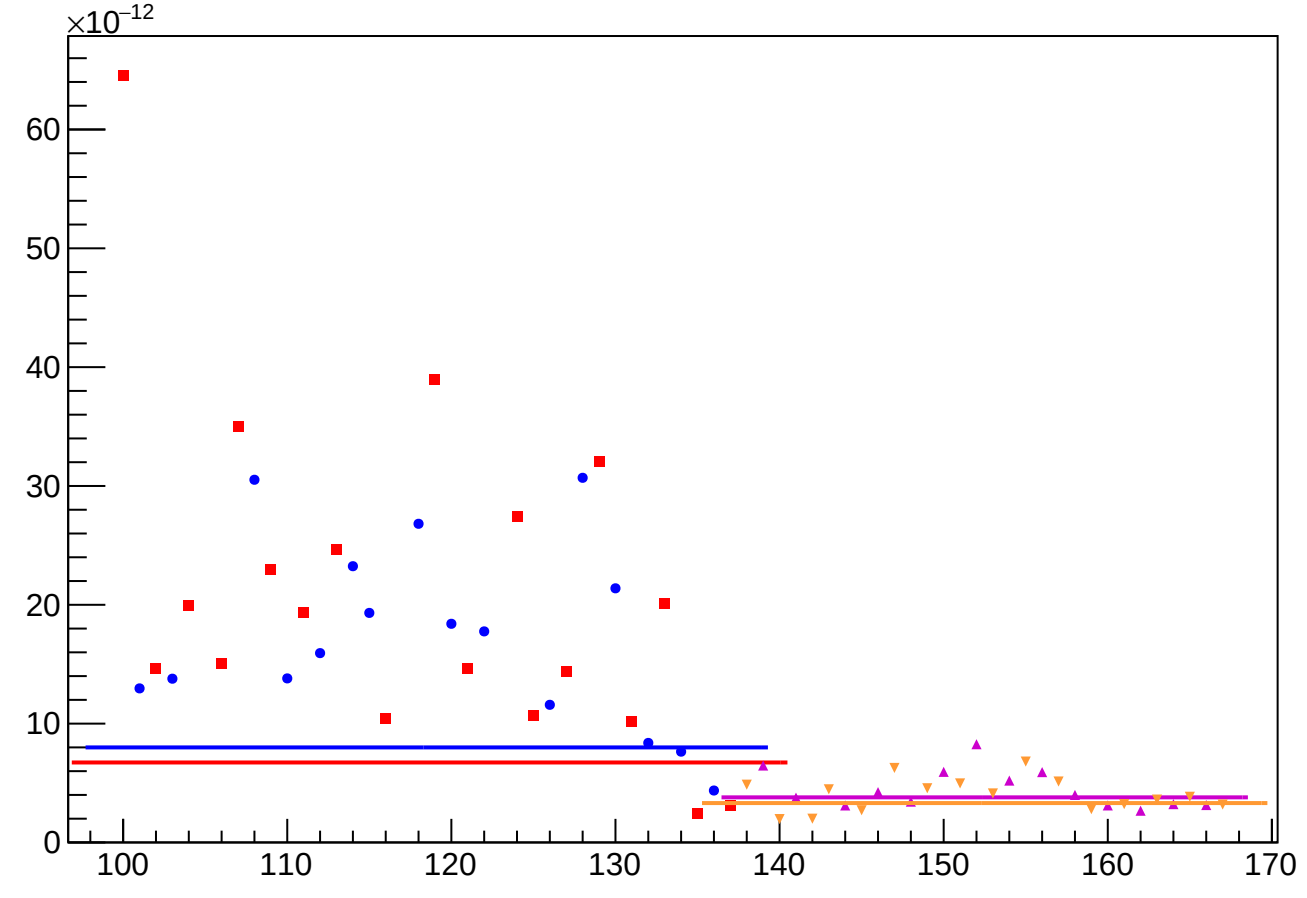
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:40.9/29

Out: 0.000+/-0.000 χ^2/NDF:33.1/34

All: 0.000+/-0.000 χ^2/NDF: 76.8/64

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1032946.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:784931.4/13

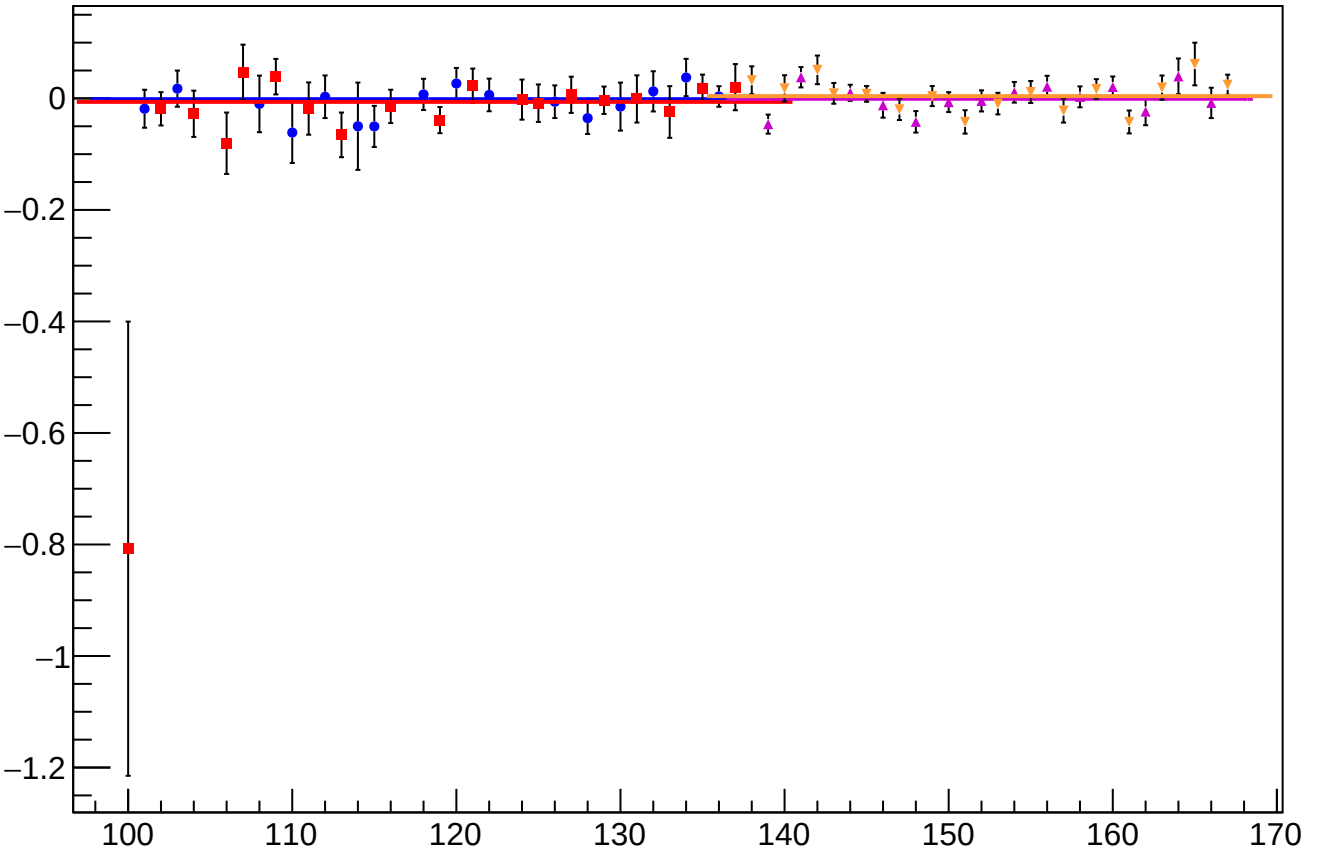
Left: 0.000+/-0.000 χ^2/NDF: 1890845.8/29

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3715355.5/29

Out: 0.000+/-0.000 χ^2/NDF:5107577.8/34

All: 0.000+/-0.000 χ^2/NDF: 8963095.5/64



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.005 χ^2/NDF:22.6/13

Left: 0.002+/-0.004 χ^2/NDF: 46.3/29

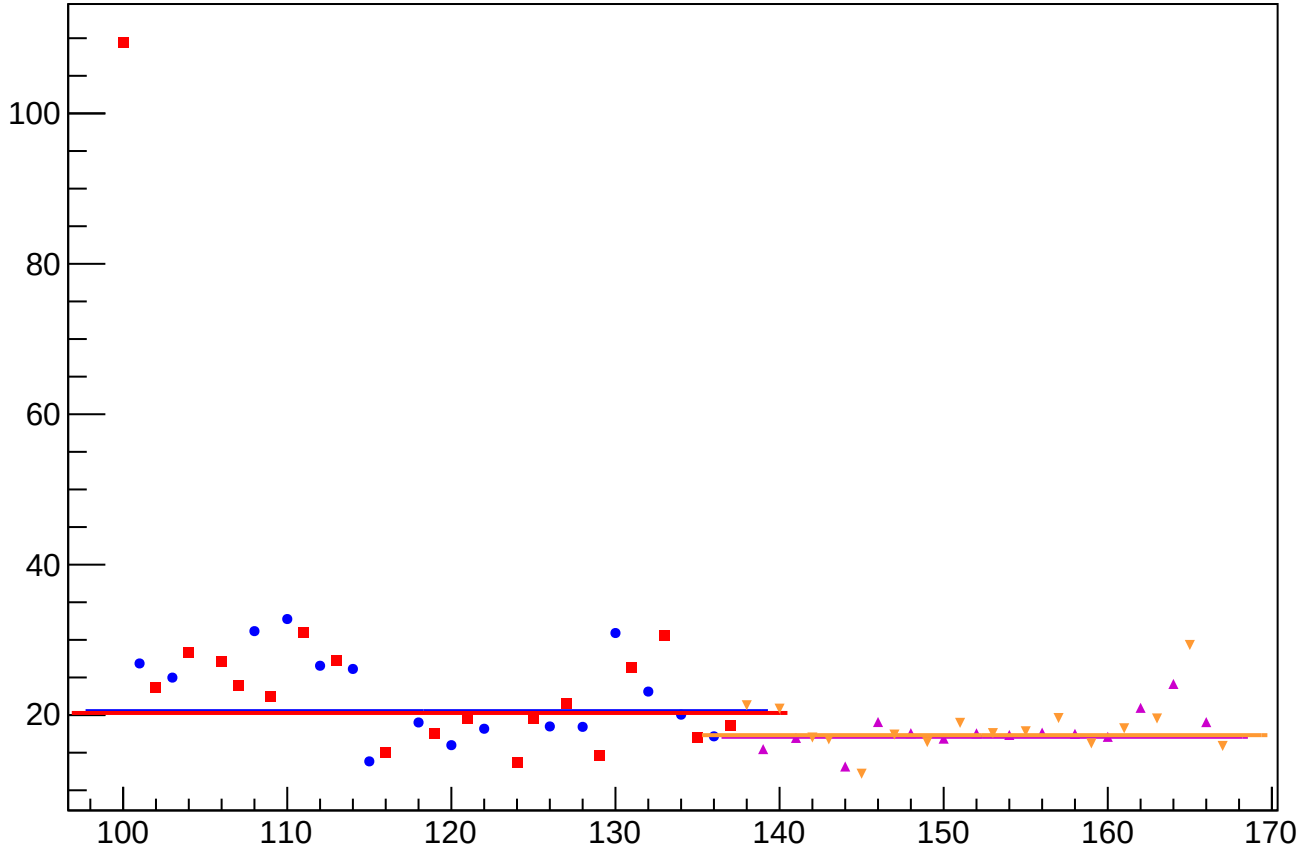
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.9/29

Out: 0.001+/-0.004 χ^2/NDF:40.7/34

All: 0.000+/-0.003 χ^2/NDF: 71.7/64

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.330+/-0.004 χ^2/NDF:644218.1/15

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.111+/-0.004 χ^2/NDF:345917.2/13

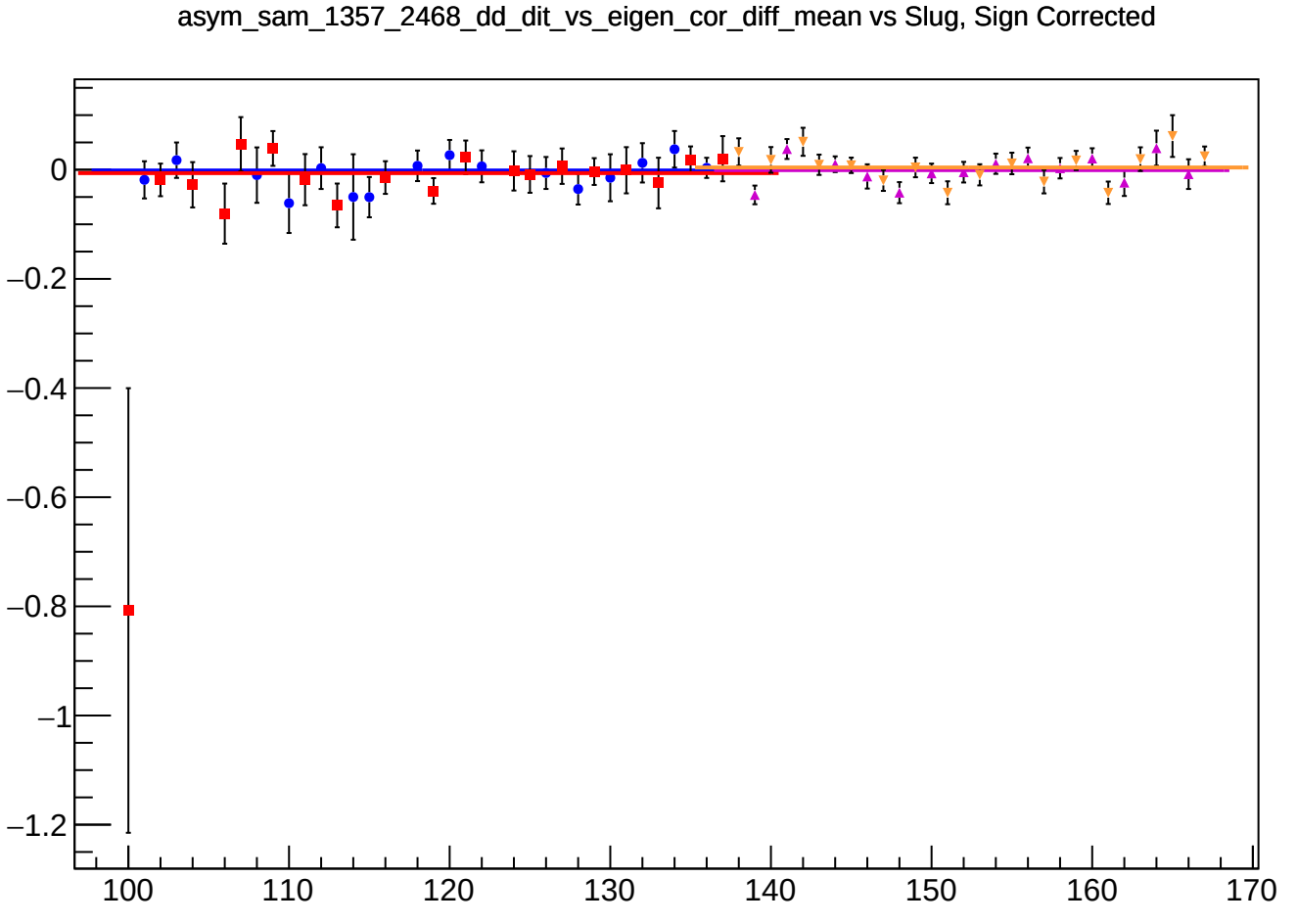
Left: 17.225+/-0.003 χ^2/NDF: 991969.4/29

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.111+/-0.003 χ^2/NDF:1304976.7/29

Out: 18.180+/-0.003 χ^2/NDF:1708174.2/34

All: 18.147+/-0.002 χ^2/NDF: 3013407.6/64



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.005 χ^2/NDF:22.6/13

Left: 0.002+/-0.004 χ^2/NDF: 46.3/29

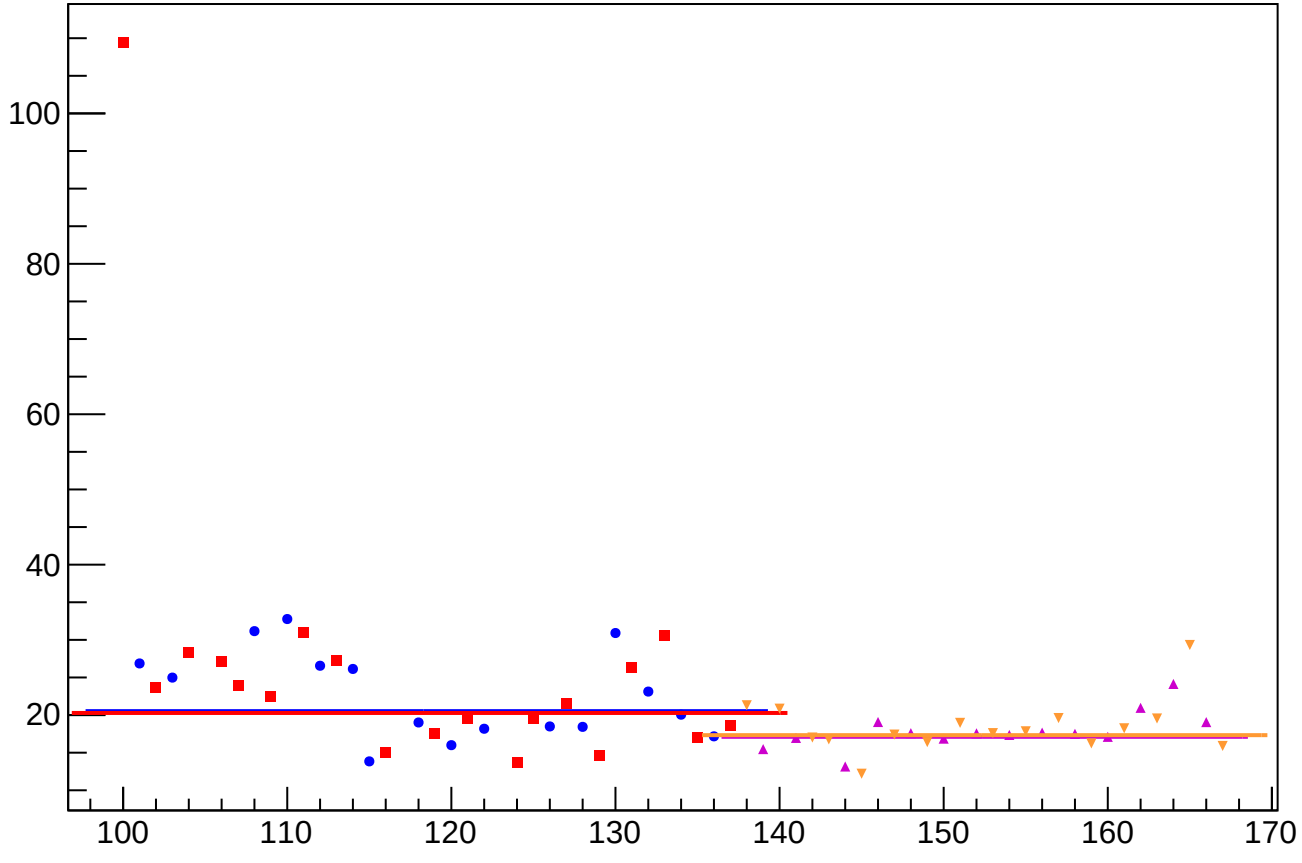
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.9/29

Out: 0.001+/-0.004 χ^2/NDF:40.7/34

All: 0.000+/-0.003 χ^2/NDF: 71.7/64

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.330+/-0.004 χ^2/NDF:644218.1/15

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.111+/-0.004 χ^2/NDF:345917.2/13

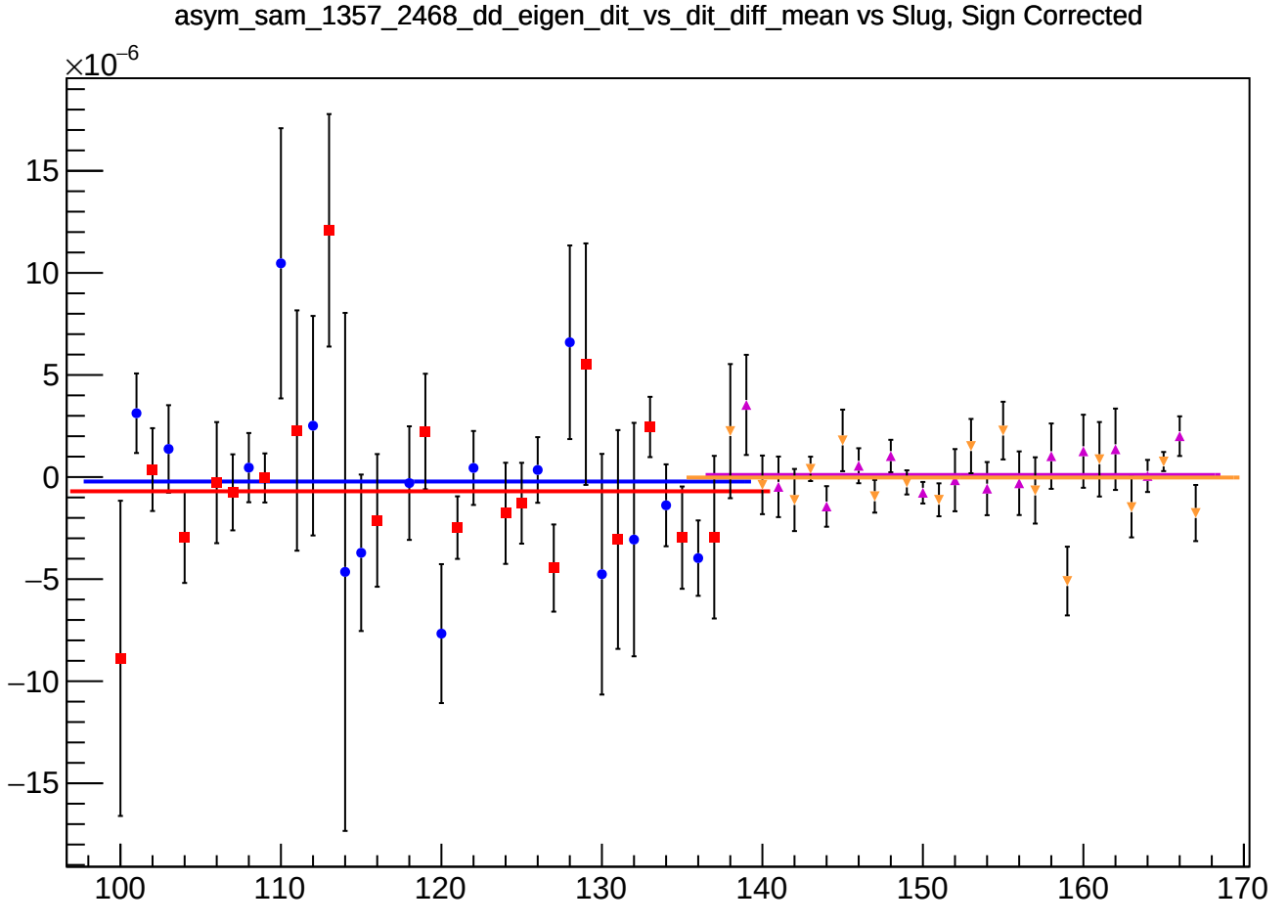
Left: 17.225+/-0.003 χ^2/NDF: 991969.4/29

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.111+/-0.003 χ^2/NDF:1304976.7/29

Out: 18.180+/-0.003 χ^2/NDF:1708174.2/34

All: 18.147+/-0.002 χ^2/NDF: 3013407.6/64



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/13

Left: 0.000+/-0.000 χ^2/NDF: 39.5/29

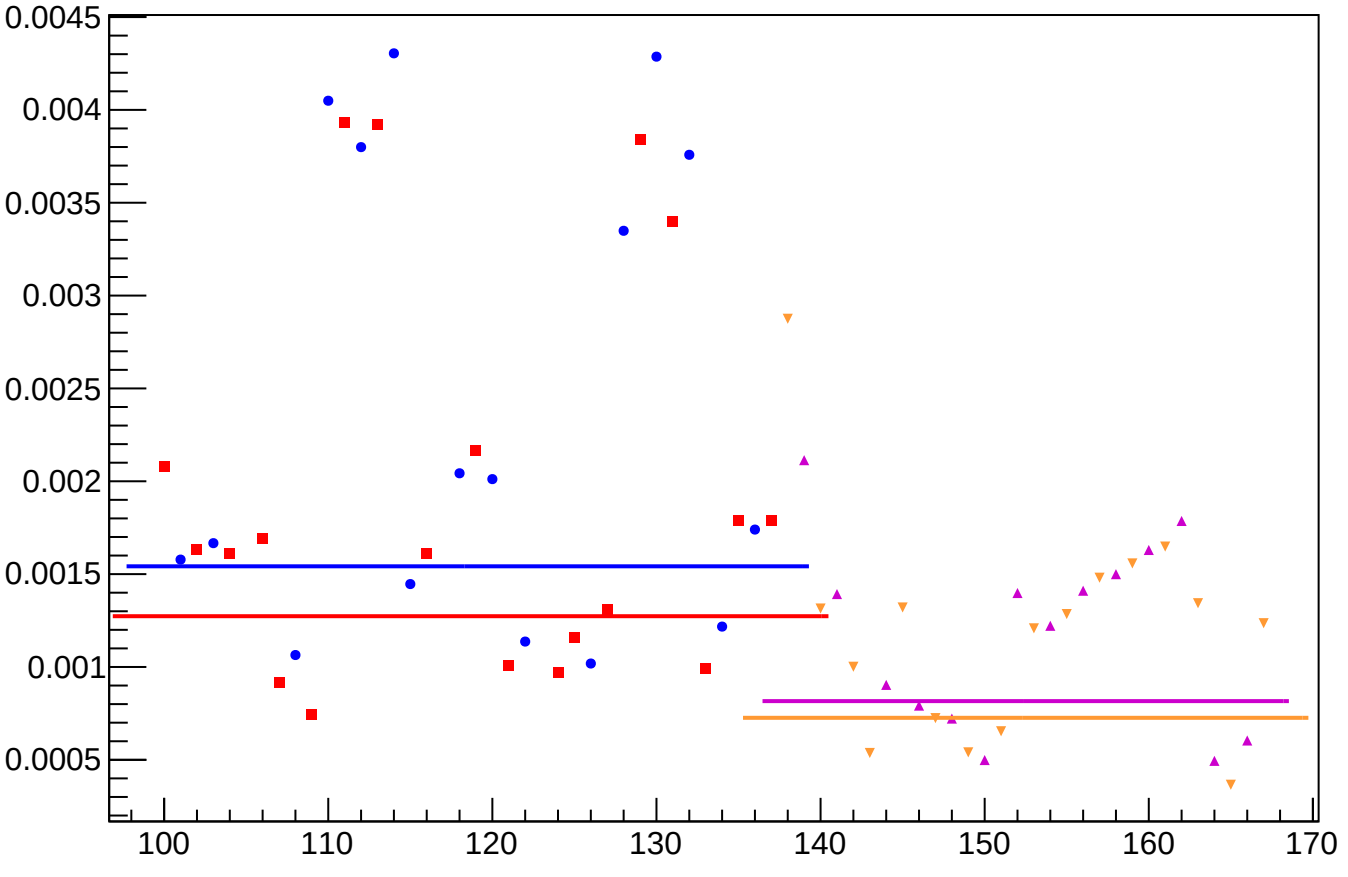
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:34.3/29

Out: -0.000+/-0.000 χ^2/NDF:47.5/34

All: -0.000+/-0.000 χ^2/NDF: 82.2/64

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:5797711.0/15

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4090075.8/13

Left: 0.001+/-0.000 χ^2/NDF: 10010682.7/29

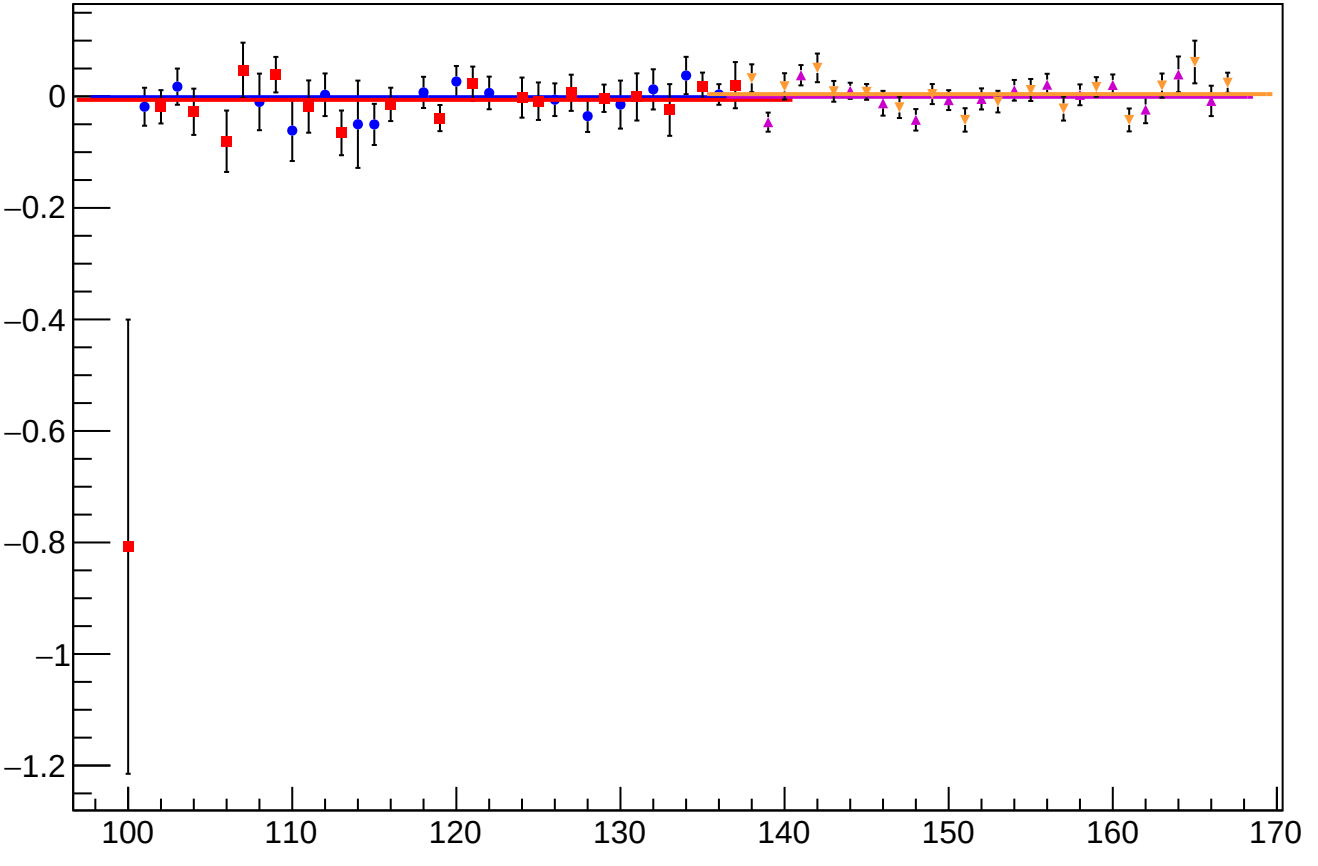
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:8733372.3/29

Out: 0.001+/-0.000 χ^2/NDF:10275697.9/34

All: 0.001+/-0.000 χ^2/NDF: 19242032.2/64

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.005 χ^2/NDF:22.6/13

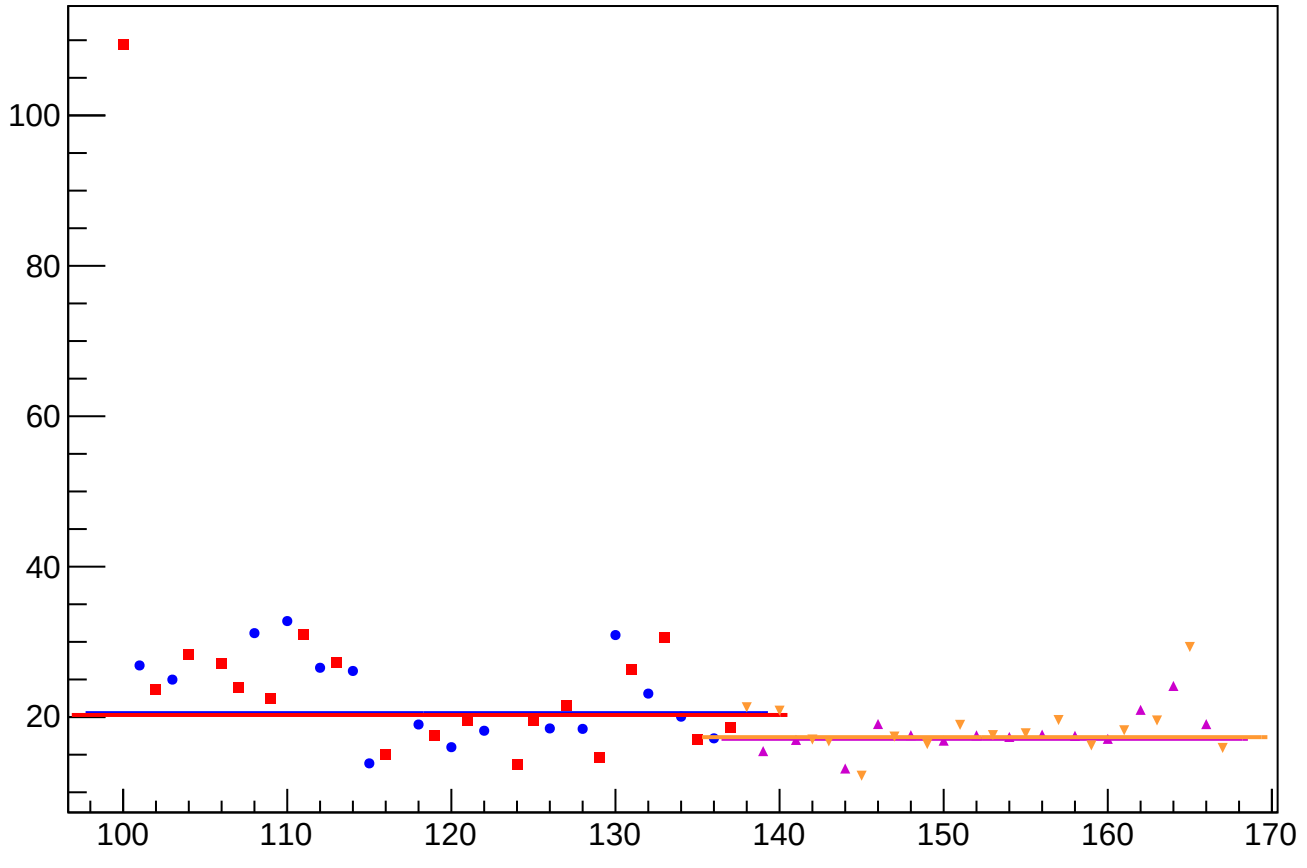
Left: 0.002+/-0.004 χ^2/NDF: 46.3/29

Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.9/29

Out: 0.001+/-0.004 χ^2/NDF:40.7/34

All: 0.000+/-0.003 χ^2/NDF: 71.7/64



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.330+/-0.004 χ^2/NDF:644172.0/15

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.111+/-0.004 χ^2/NDF:345947.7/13

Left: 17.225+/-0.003 χ^2/NDF: 991955.6/29

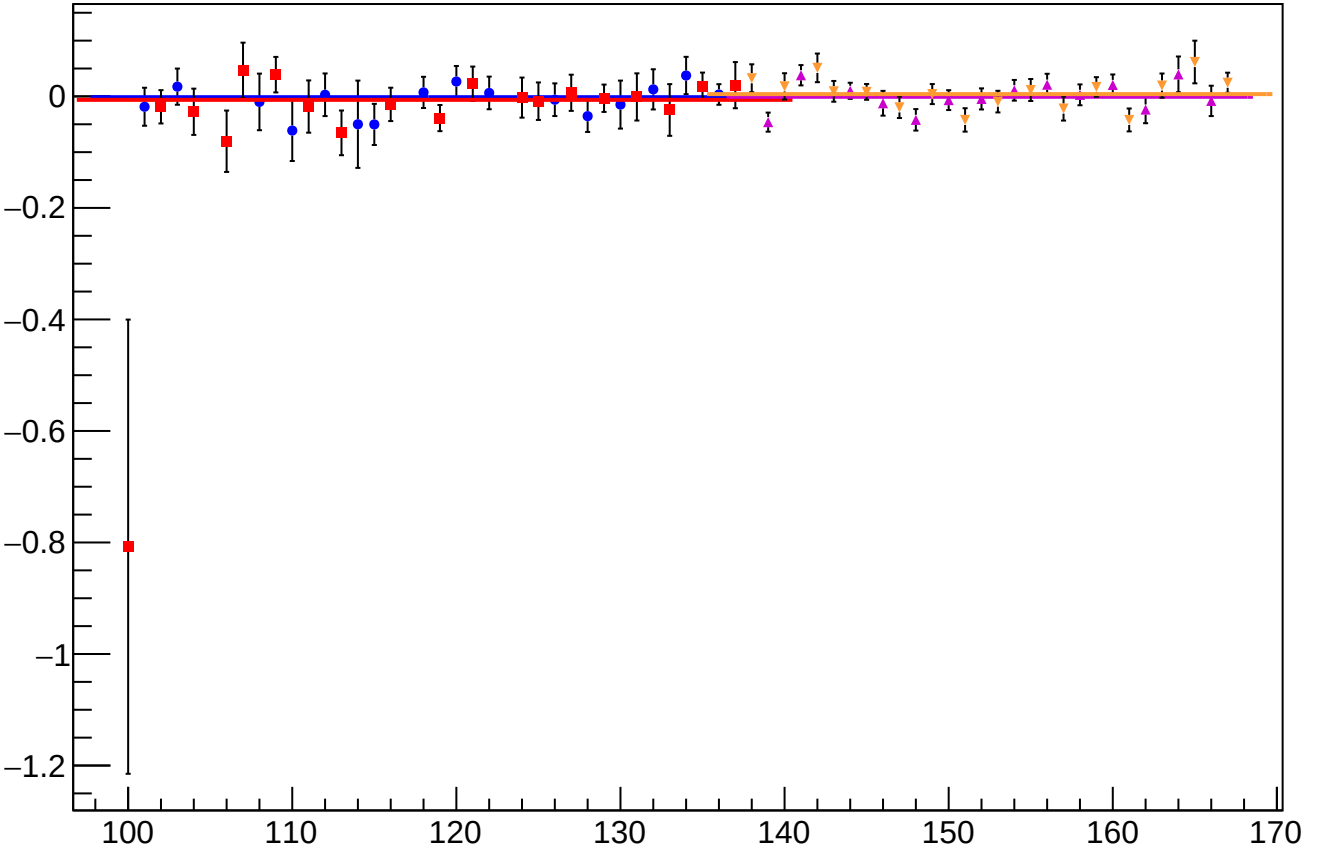
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.111+/-0.003 χ^2/NDF:1304798.6/29

Out: 18.180+/-0.003 χ^2/NDF:1708023.4/34

All: 18.147+/-0.002 χ^2/NDF: 3013079.0/64

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.005 χ^2/NDF:22.6/13

Left: 0.002+/-0.004 χ^2/NDF: 46.3/29

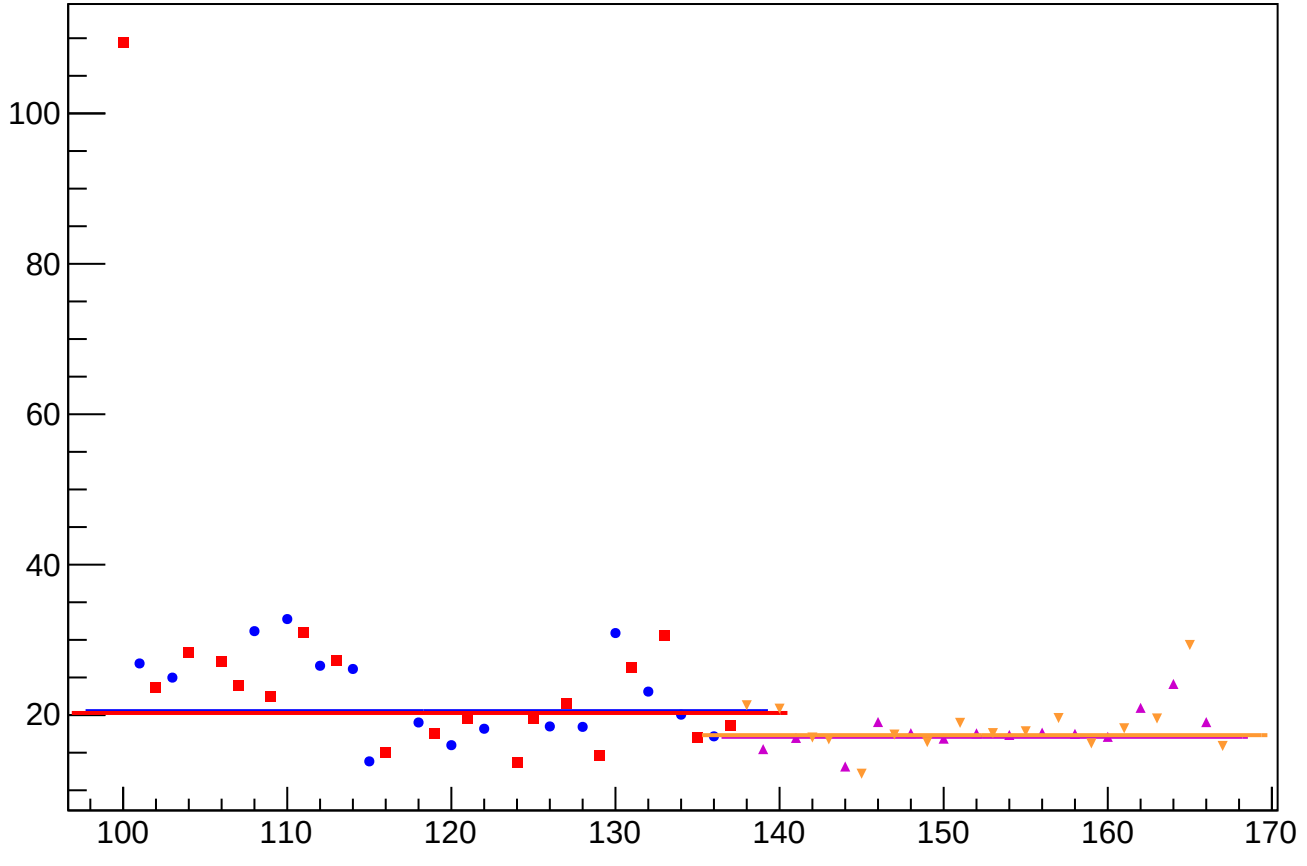
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.9/29

Out: 0.001+/-0.004 χ^2/NDF:40.7/34

All: 0.000+/-0.003 χ^2/NDF: 71.7/64

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.330+/-0.004 χ^2/NDF:644172.0/15

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.111+/-0.004 χ^2/NDF:345947.7/13

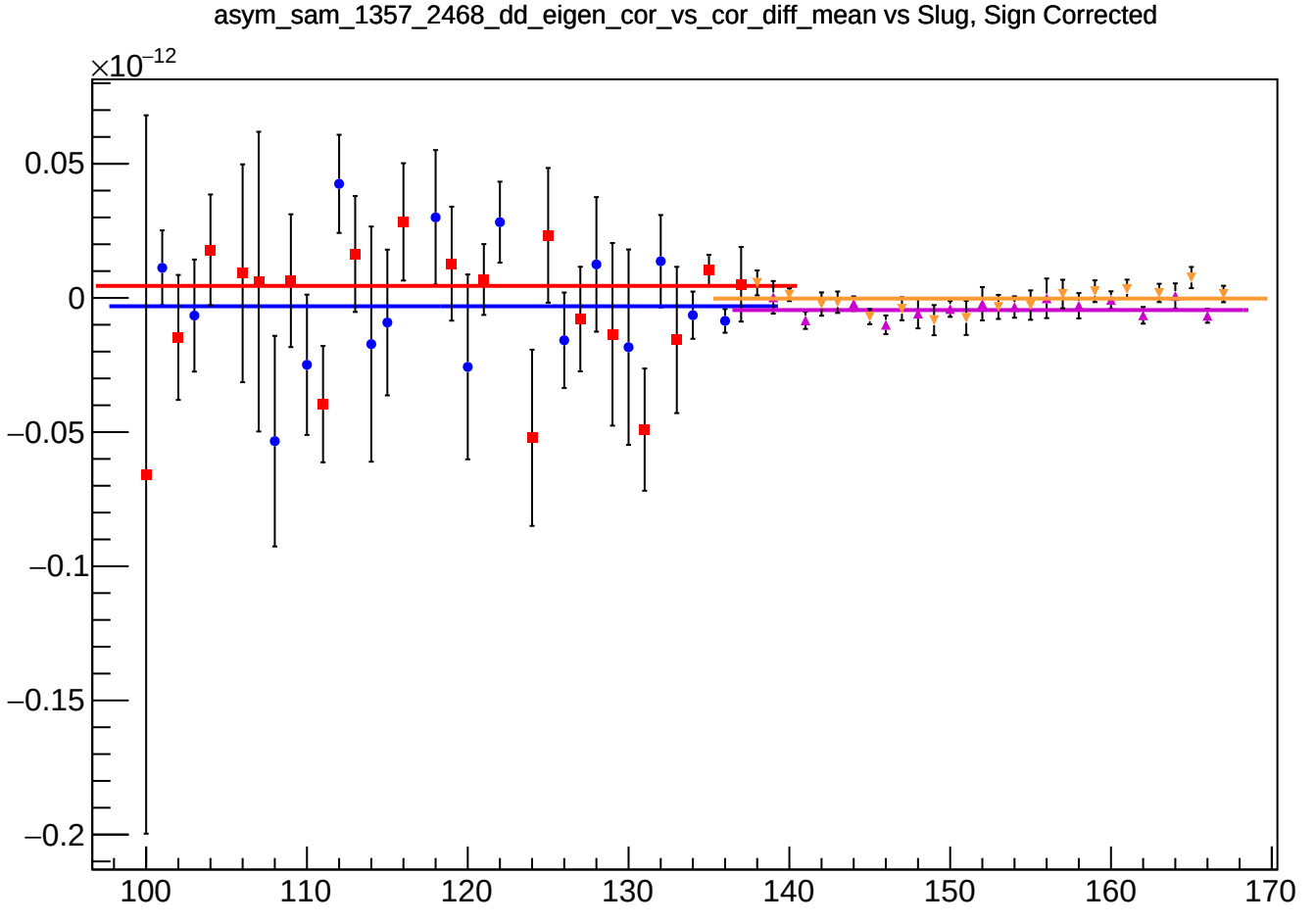
Left: 17.225+/-0.003 χ^2/NDF: 991955.6/29

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.111+/-0.003 χ^2/NDF:1304798.6/29

Out: 18.180+/-0.003 χ^2/NDF:1708023.4/34

All: 18.147+/-0.002 χ^2/NDF: 3013079.0/64



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/13

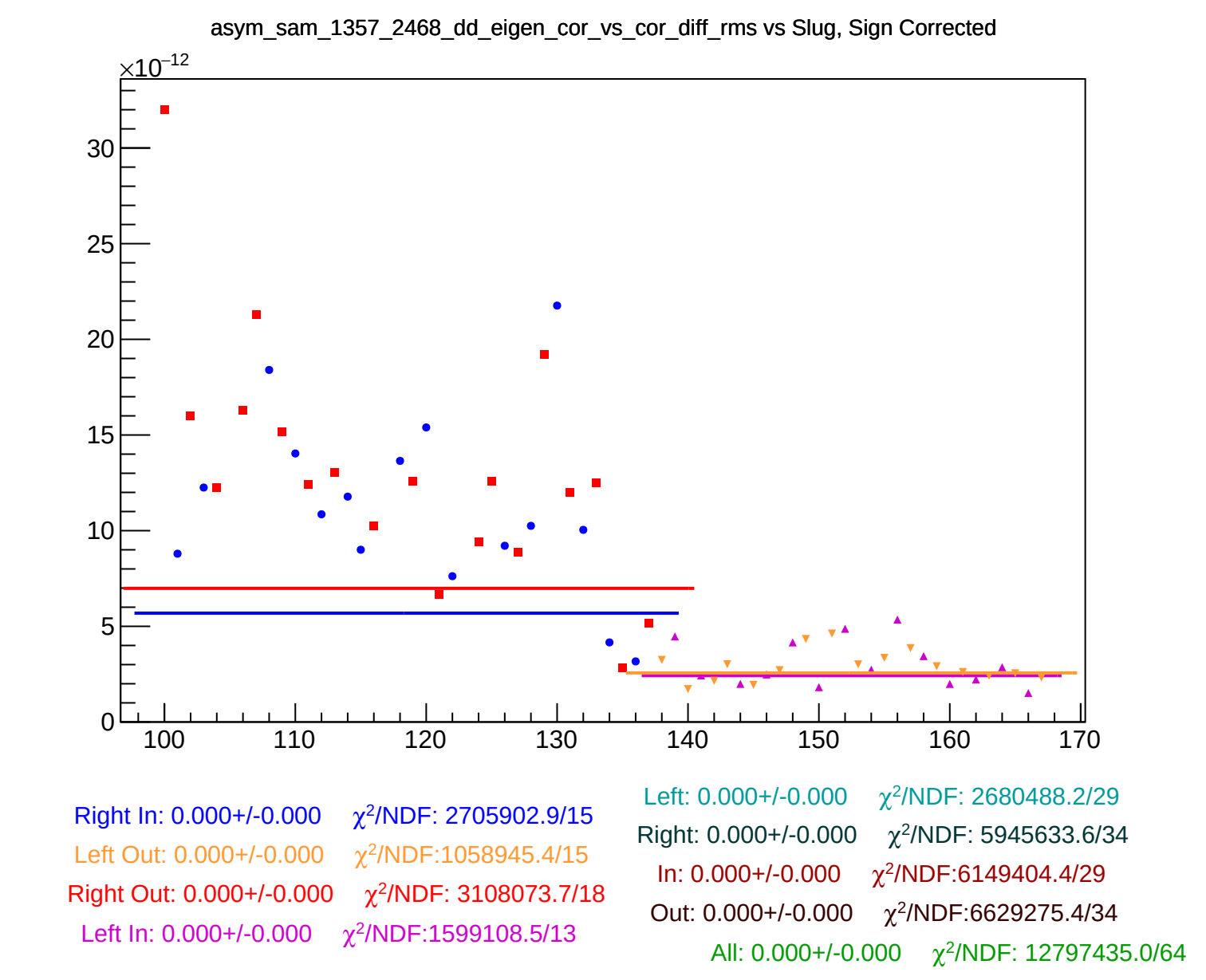
Left: -0.000+/-0.000 χ^2/NDF: 38.4/29

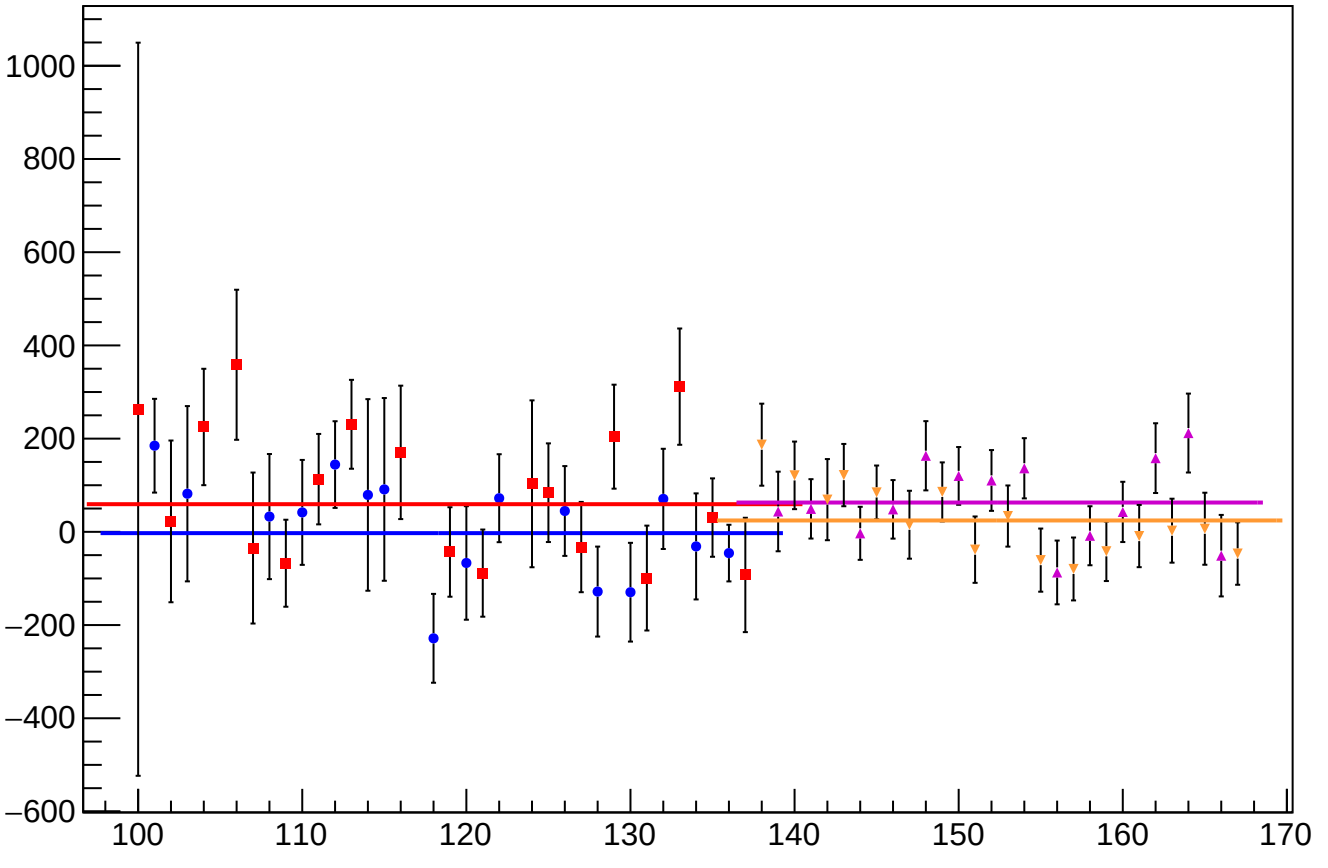
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:29.9/29

Out: 0.000+/-0.000 χ^2/NDF:39.0/34

All: -0.000+/-0.000 χ^2/NDF: 80.1/64


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1058945.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1599108.5/13
Left: 0.000+/-0.000 χ²/NDF: 2680488.2/29
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:6149404.4/29
Out: 0.000+/-0.000 χ²/NDF:6629275.4/34
All: 0.000+/-0.000 χ²/NDF: 12797435.0/64



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 24.404+/-17.270 χ^2/NDF:17.0/15

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 62.876+/-18.216 χ^2/NDF:18.6/13

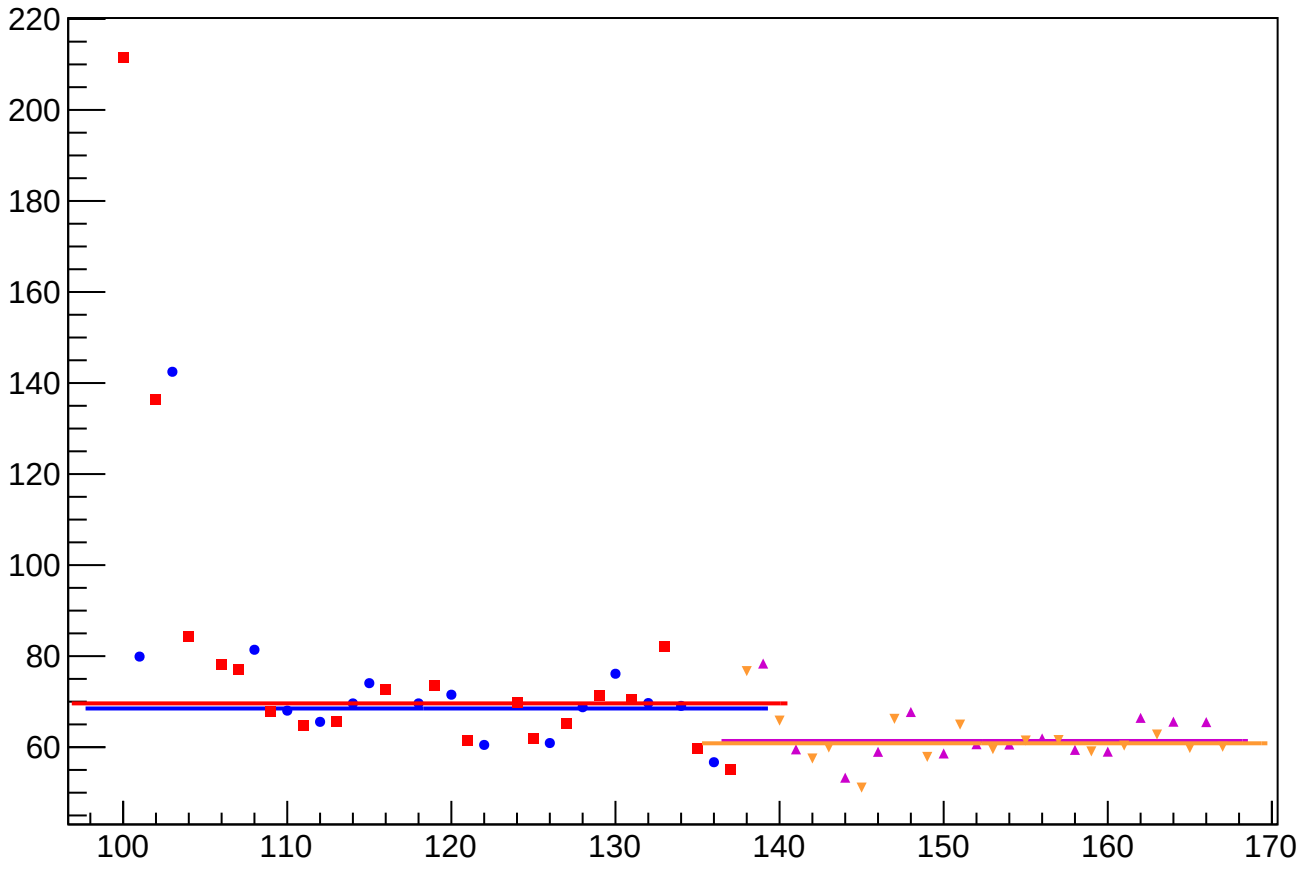
Left: 42.615+/-12.533 χ^2/NDF: 37.9/29

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 41.500+/-14.959 χ^2/NDF:40.5/29

Out: 34.886+/-14.450 χ^2/NDF:43.9/34

All: 38.078+/-10.393 χ^2/NDF: 84.5/64



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.851+/-0.012 χ^2/NDF:161622.6/15

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.359+/-0.013 χ^2/NDF:166487.5/13

Left: 61.091+/-0.009 χ^2/NDF: 328928.3/29

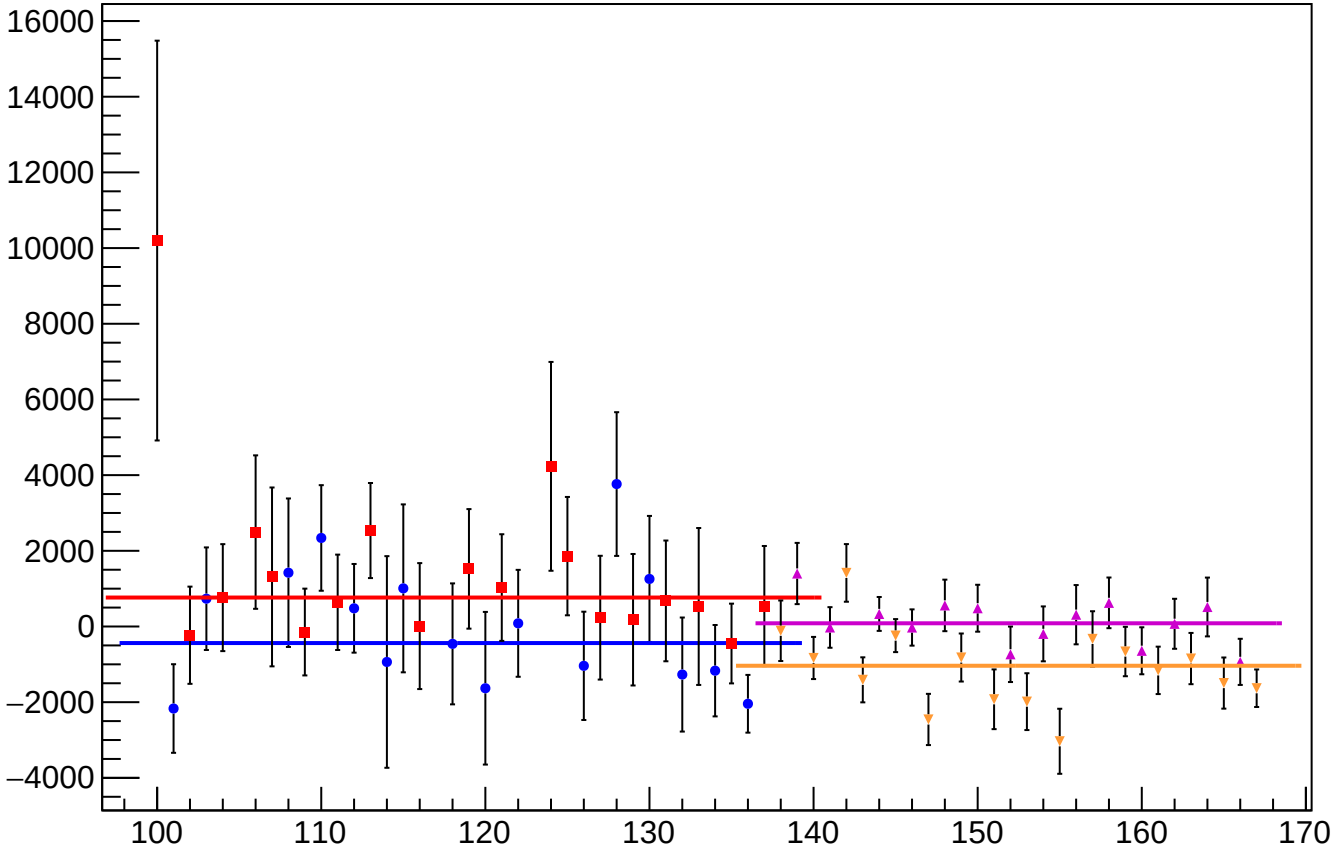
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.684+/-0.011 χ^2/NDF:738417.9/29

Out: 63.481+/-0.010 χ^2/NDF:836696.3/34

All: 63.579+/-0.007 χ^2/NDF: 1575303.7/64

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -1037.298+/-159.725 χ^2/NDF:31.6/15

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 84.973+/-166.761 χ^2/NDF:10.5/13

Left: -500.337+/-115.350 χ^2/NDF: 65.8/29

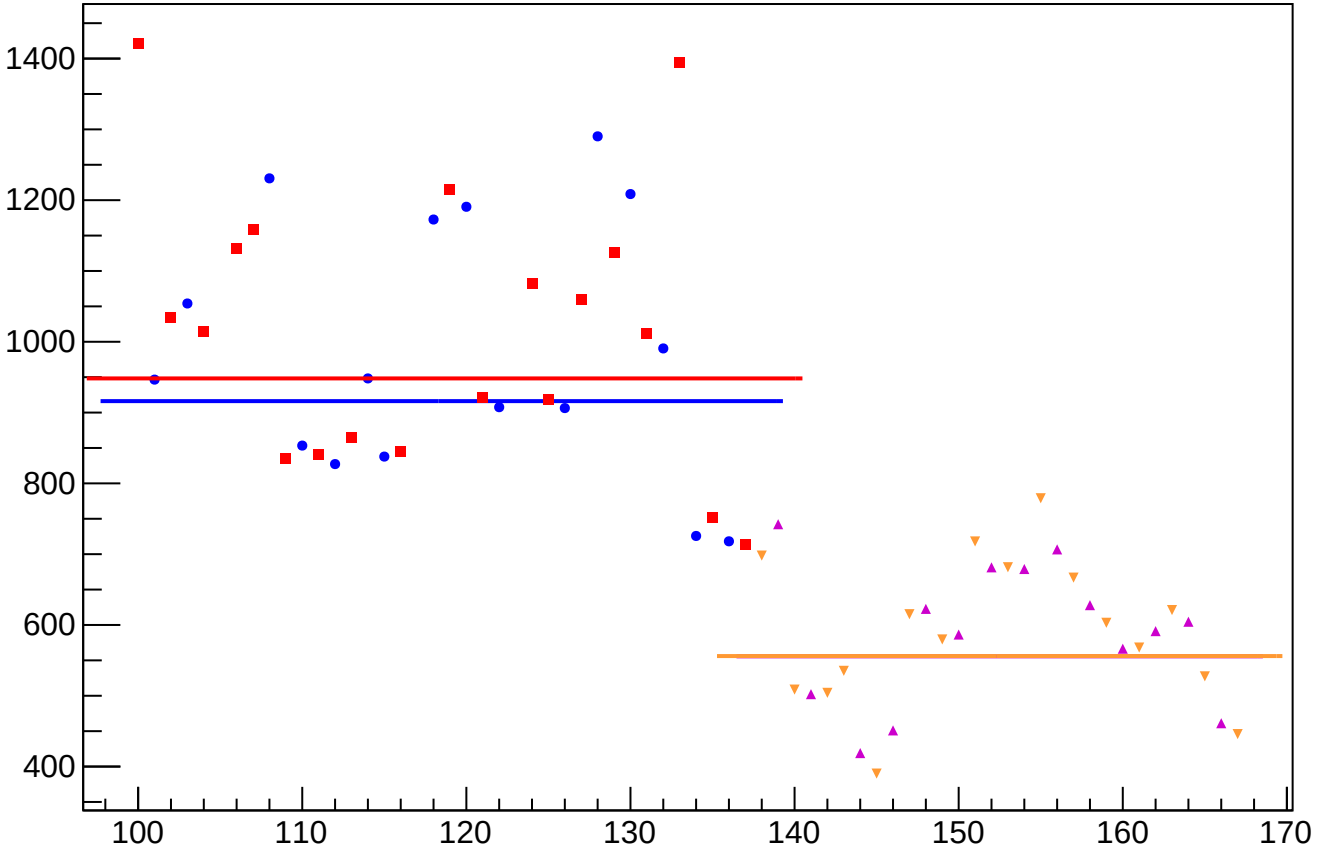
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -12.188+/-150.457 χ^2/NDF:32.9/29

Out: -731.026+/-145.525 χ^2/NDF:64.6/34

All: -383.581+/-104.602 χ^2/NDF: 109.3/64

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 556.064+/-0.113 χ^2/NDF:849237.3/15

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 555.675+/-0.118 χ^2/NDF:708796.9/13

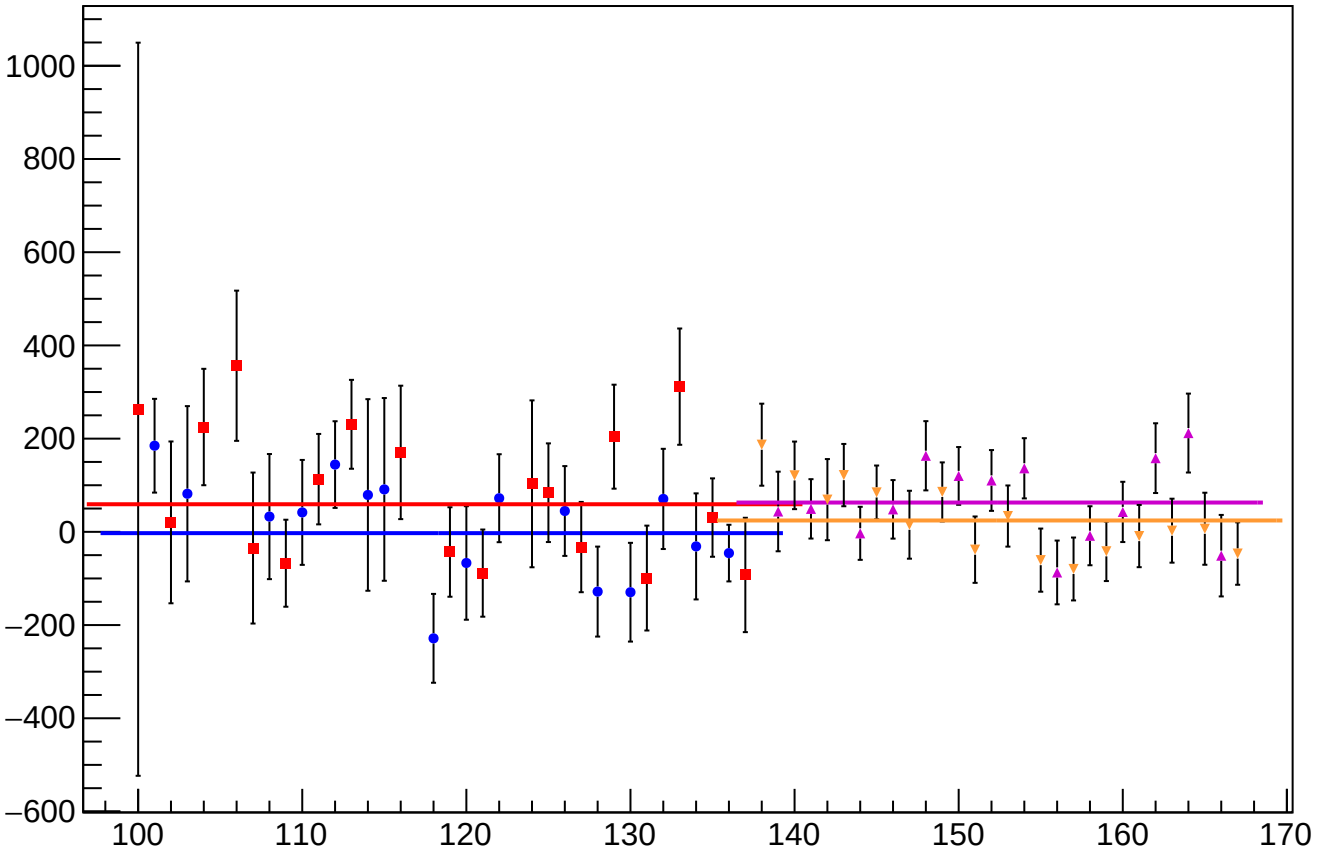
Left: 555.878+/-0.082 χ^2/NDF: 1558039.9/29

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 622.721+/-0.106 χ^2/NDF:2956175.9/29

Out: 622.695+/-0.103 χ^2/NDF:3312917.7/34

All: 622.707+/-0.074 χ^2/NDF: 6269093.6/64



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 24.407+/-17.270 χ^2/NDF:17.0/15

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 62.876+/-18.216 χ^2/NDF:18.6/13

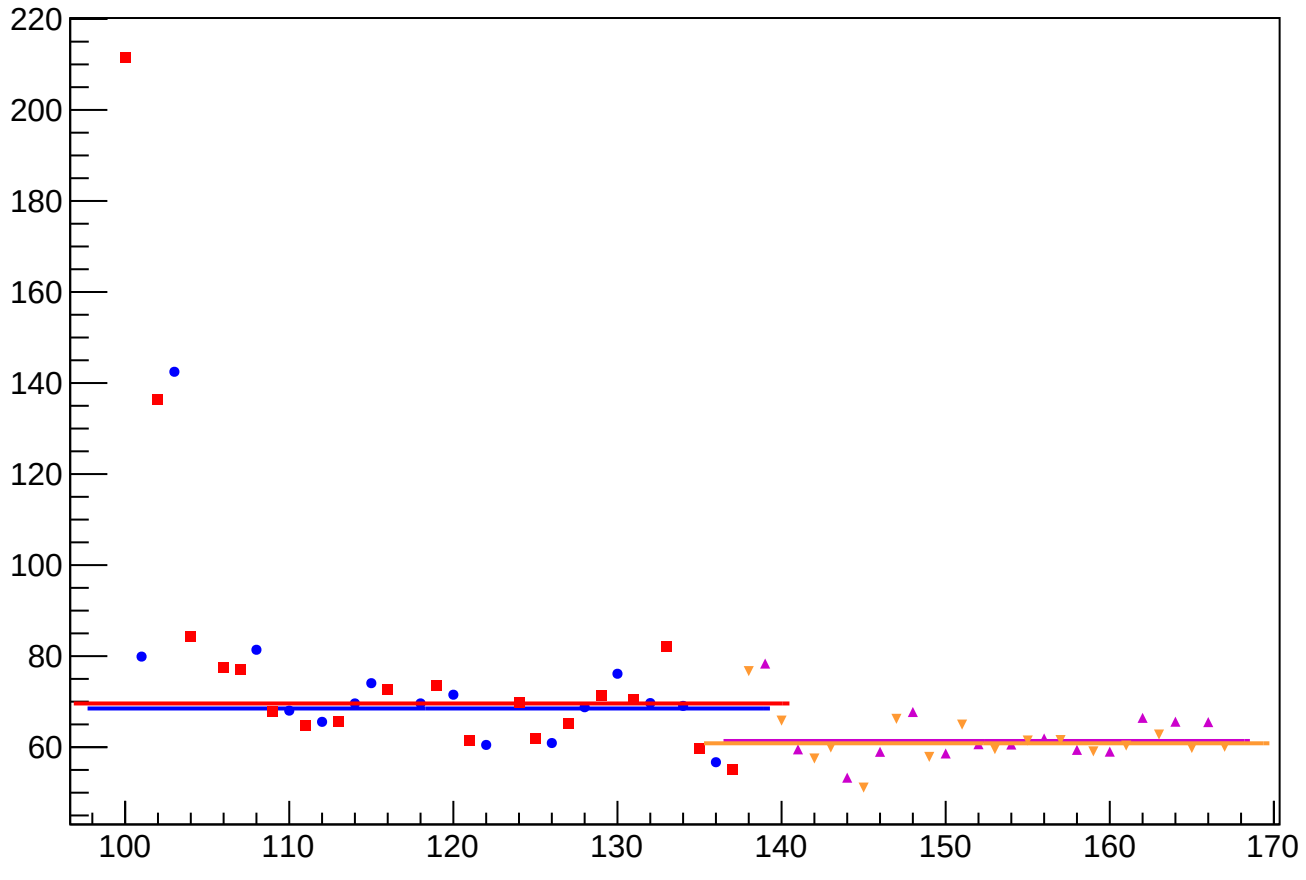
Left: 42.617+/-12.533 χ^2/NDF: 37.9/29

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 41.497+/-14.959 χ^2/NDF:40.5/29

Out: 34.851+/-14.450 χ^2/NDF:43.9/34

All: 38.059+/-10.393 χ^2/NDF: 84.5/64



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.851+/-0.012 χ^2/NDF:161622.6/15

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.359+/-0.013 χ^2/NDF:166487.5/13

Left: 61.091+/-0.009 χ^2/NDF: 328928.3/29

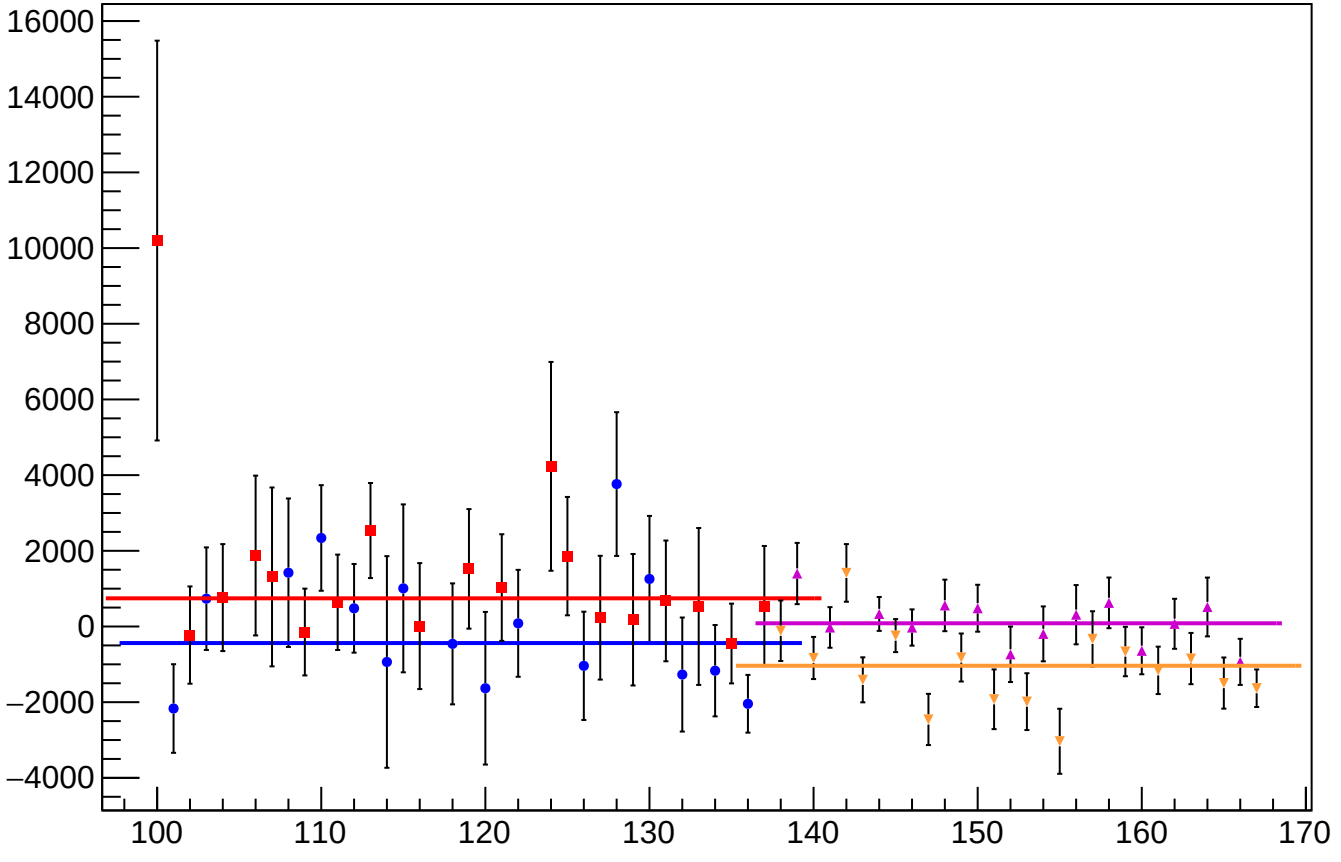
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.684+/-0.011 χ^2/NDF:738420.9/29

Out: 63.475+/-0.010 χ^2/NDF:835394.1/34

All: 63.576+/-0.007 χ^2/NDF: 1574015.7/64

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -1037.291+/-159.725 χ^2/NDF:31.6/15

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 84.975+/-166.761 χ^2/NDF:10.5/13

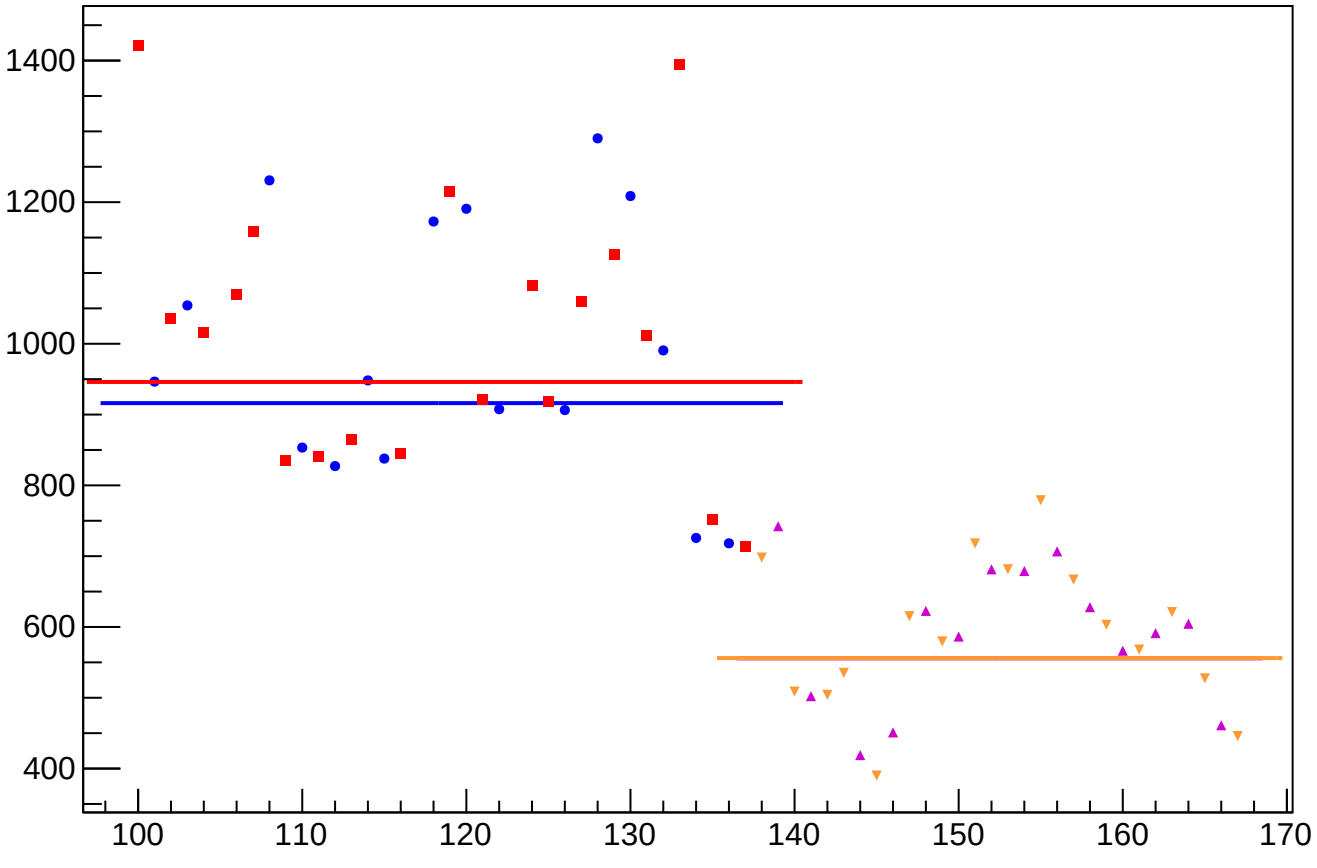
Left: -500.333+/-115.350 χ^2/NDF: 65.8/29

Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -12.180+/-150.457 χ^2/NDF:32.9/29

Out: -735.200+/-145.556 χ^2/NDF:63.6/34

All: -385.658+/-104.613 χ^2/NDF: 108.4/64



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 556.064+/-0.113 χ^2/NDF:849241.8/15

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 555.675+/-0.118 χ^2/NDF:708794.7/13

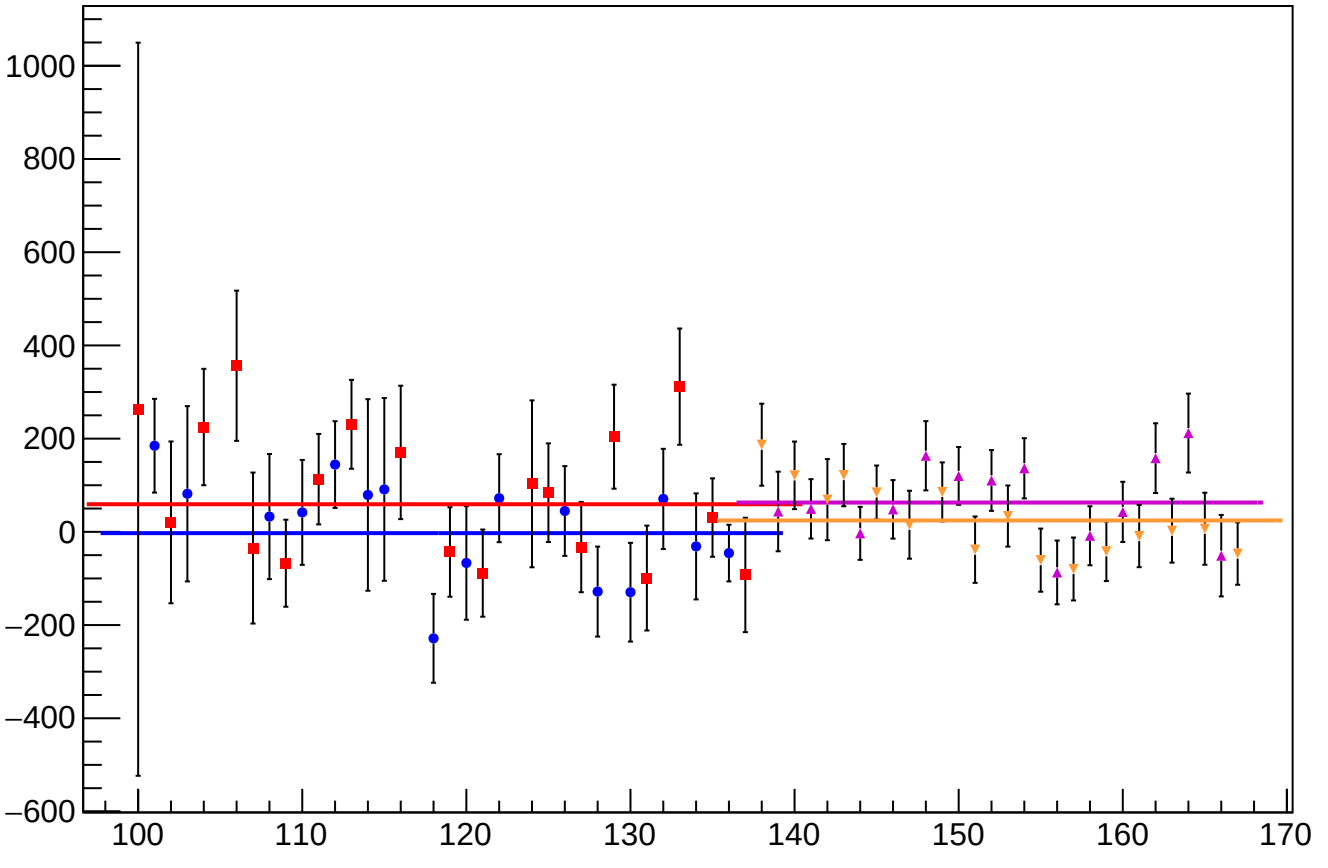
Left: 555.877+/-0.082 χ^2/NDF: 1558042.2/29

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 622.721+/-0.106 χ^2/NDF:2956217.5/29

Out: 622.195+/-0.103 χ^2/NDF:3276673.6/34

All: 622.449+/-0.074 χ^2/NDF: 6232903.8/64



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 24.407+/-17.270 χ^2/NDF:17.0/15

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 62.876+/-18.216 χ^2/NDF:18.6/13

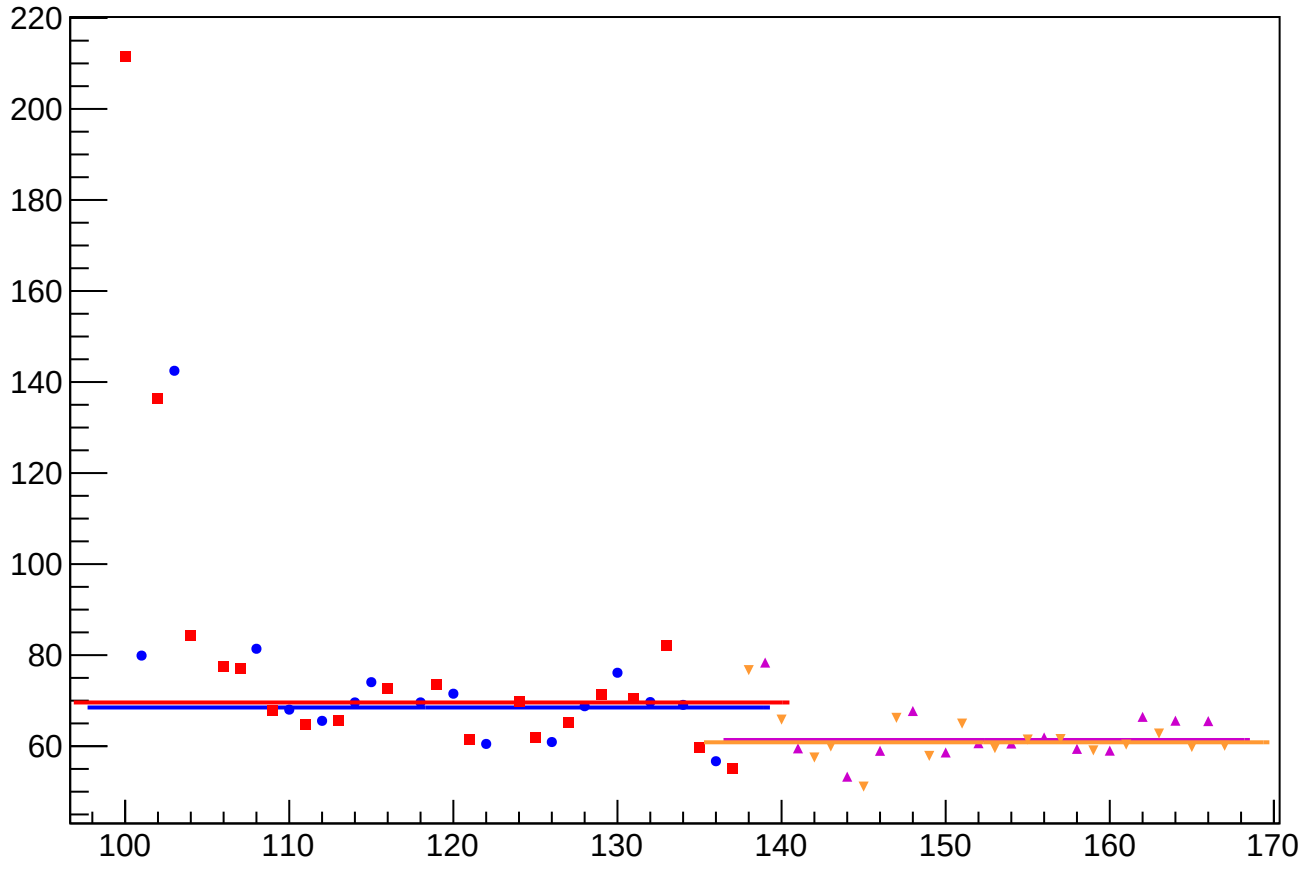
Left: 42.617+/-12.533 χ^2/NDF: 37.9/29

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 41.497+/-14.959 χ^2/NDF:40.5/29

Out: 34.851+/-14.450 χ^2/NDF:43.9/34

All: 38.059+/-10.393 χ^2/NDF: 84.5/64



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.851+/-0.012 χ^2/NDF:161622.6/15

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.359+/-0.013 χ^2/NDF:166487.5/13

Left: 61.091+/-0.009 χ^2/NDF: 328928.3/29

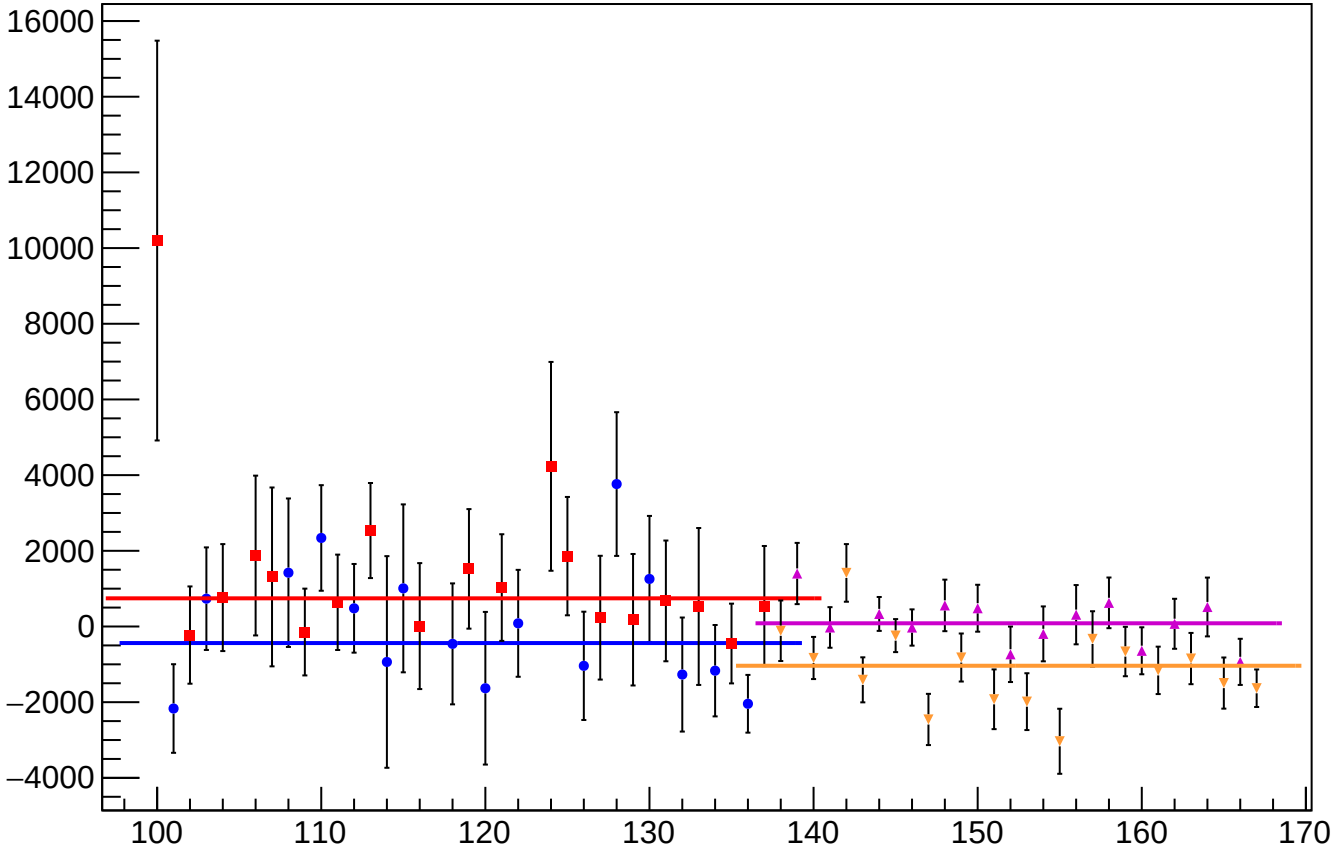
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.684+/-0.011 χ^2/NDF:738420.9/29

Out: 63.475+/-0.010 χ^2/NDF:835394.1/34

All: 63.576+/-0.007 χ^2/NDF: 1574015.7/64

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -1037.291+/-159.725 χ^2/NDF:31.6/15

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 84.975+/-166.761 χ^2/NDF:10.5/13

Left: -500.333+/-115.350 χ^2/NDF: 65.8/29

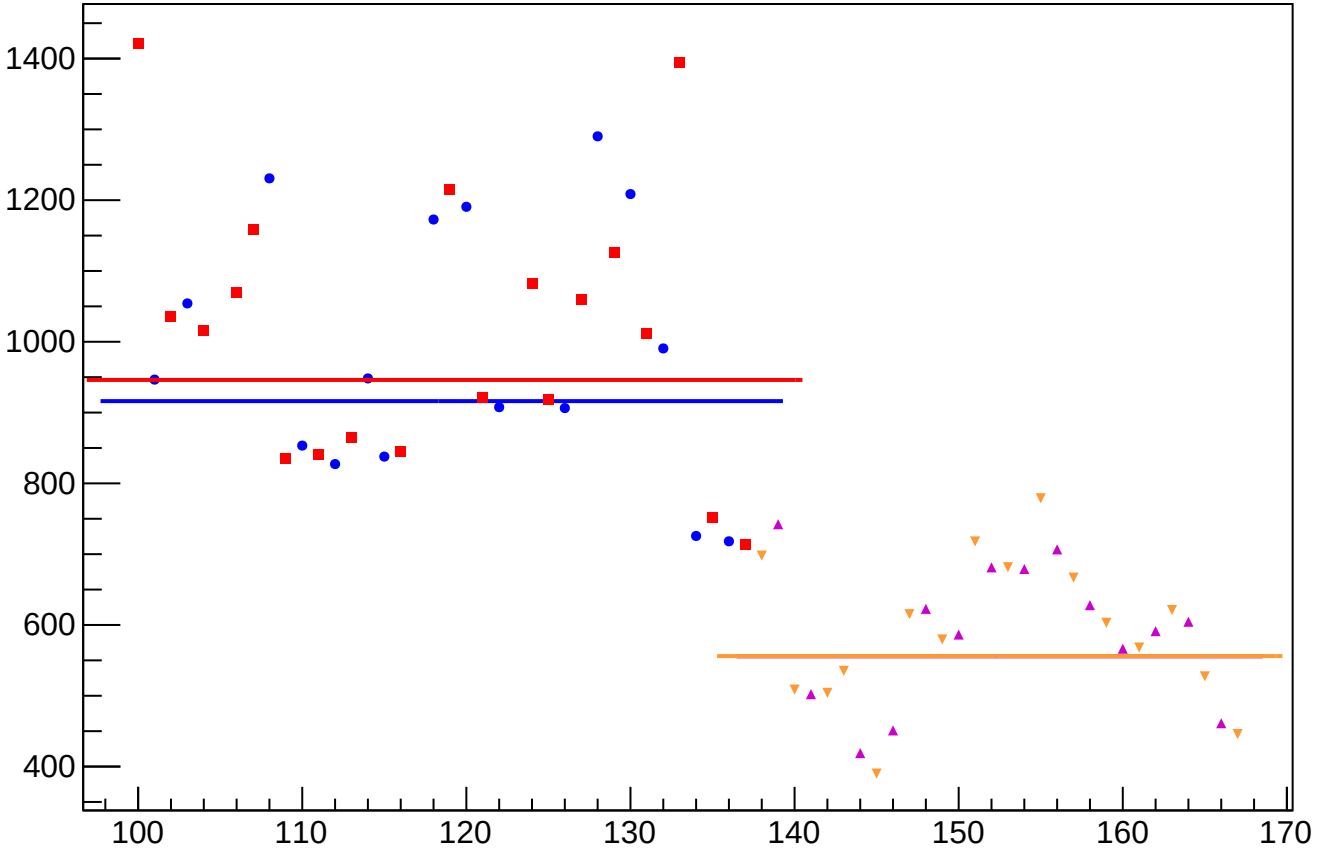
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -12.180+/-150.457 χ^2/NDF:32.9/29

Out: -735.200+/-145.556 χ^2/NDF:63.6/34

All: -385.658+/-104.613 χ^2/NDF: 108.4/64

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 556.064+/-0.113 χ^2/NDF:849241.8/15

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 555.675+/-0.118 χ^2/NDF:708794.7/13

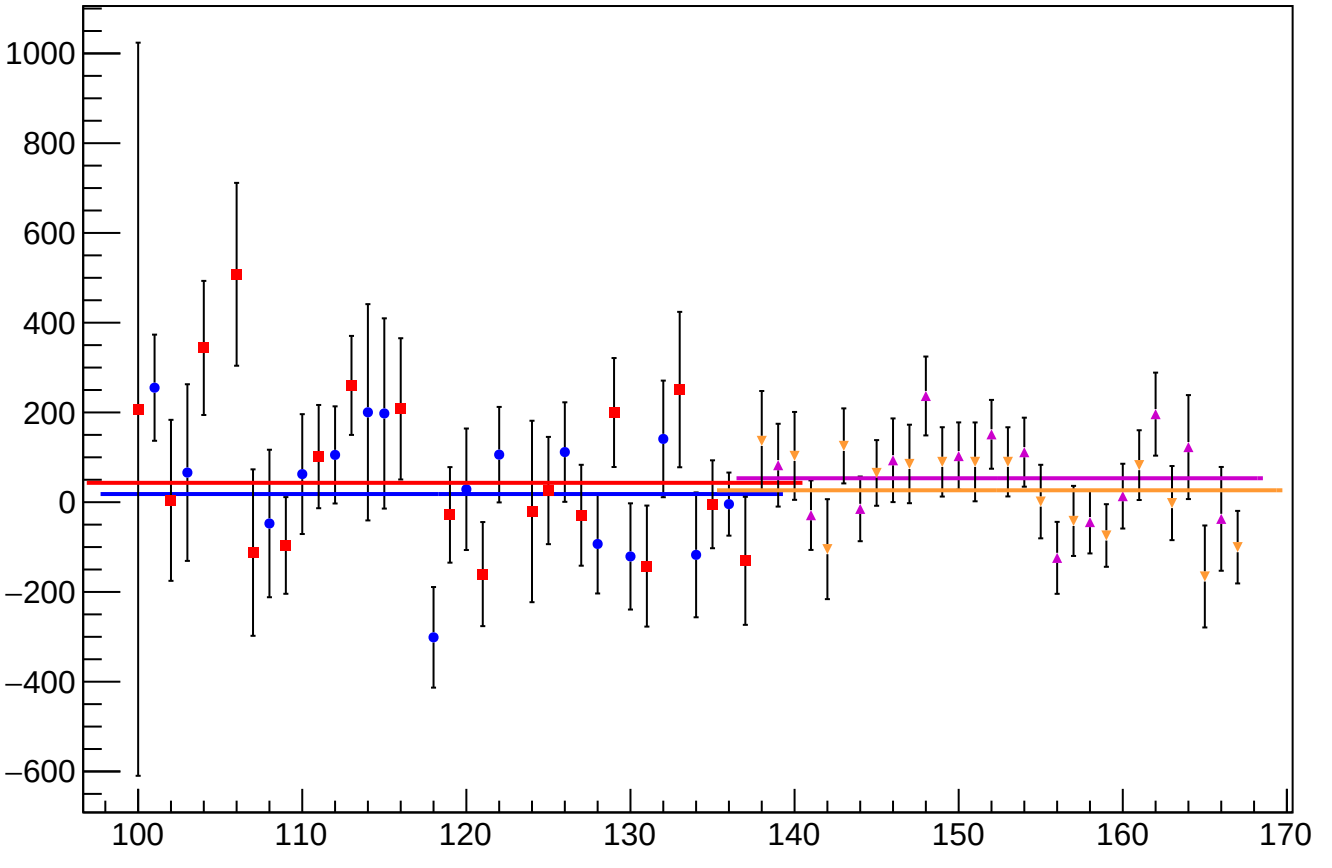
Left: 555.877+/-0.082 χ^2/NDF: 1558042.2/29

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 622.721+/-0.106 χ^2/NDF:2956217.5/29

Out: 622.195+/-0.103 χ^2/NDF:3276673.6/34

All: 622.449+/-0.074 χ^2/NDF: 6232903.8/64



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 26.545+/-21.068 χ^2/NDF:15.9/15

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 53.366+/-22.053 χ^2/NDF:19.8/13

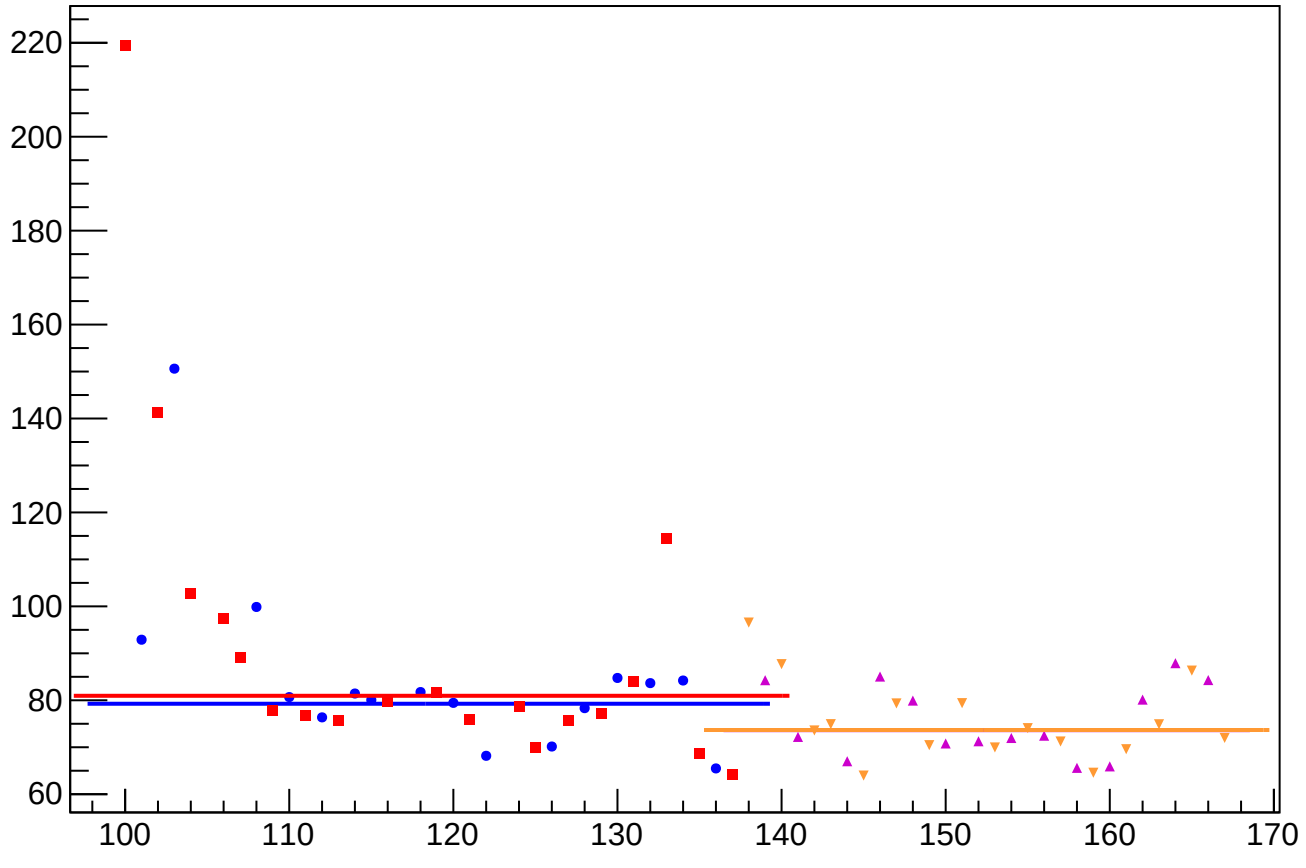
Left: 39.343+/-15.234 χ^2/NDF: 36.4/29

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 41.204+/-17.840 χ^2/NDF:40.8/29

Out: 31.859+/-17.373 χ^2/NDF:43.8/34

All: 36.407+/-12.446 χ^2/NDF: 84.8/64



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.672+/-0.015 χ^2/NDF:253952.3/15

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.637+/-0.016 χ^2/NDF:196919.6/13

Left: 73.655+/-0.011 χ^2/NDF: 450874.4/29

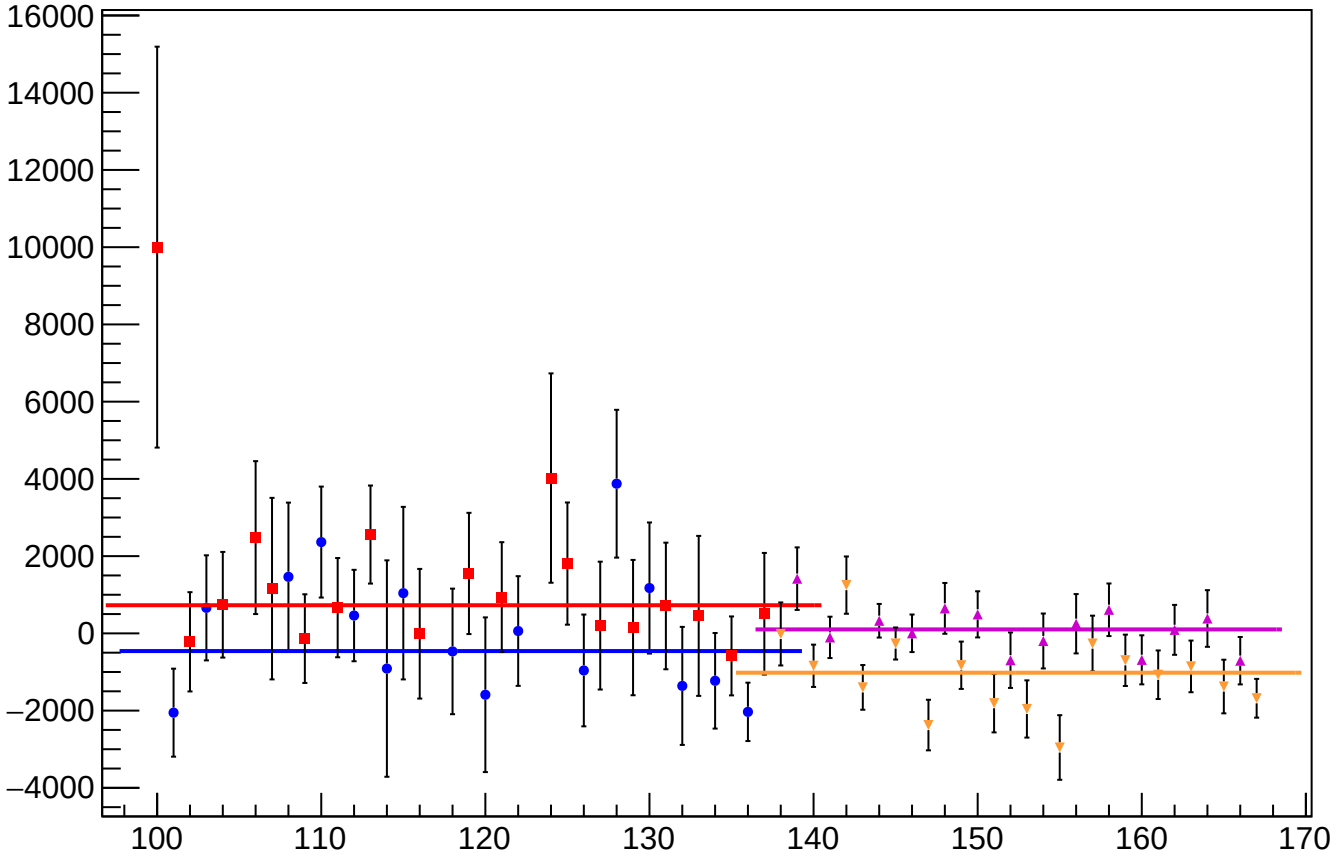
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 75.582+/-0.013 χ^2/NDF:686852.6/29

Out: 76.004+/-0.012 χ^2/NDF:844707.4/34

All: 75.798+/-0.009 χ^2/NDF: 1532135.6/64

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -1018.254+/-157.283 χ^2/NDF:30.6/15

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 102.580+/-164.880 χ^2/NDF:9.6/13

Left: -484.255+/-113.807 χ^2/NDF: 64.4/29

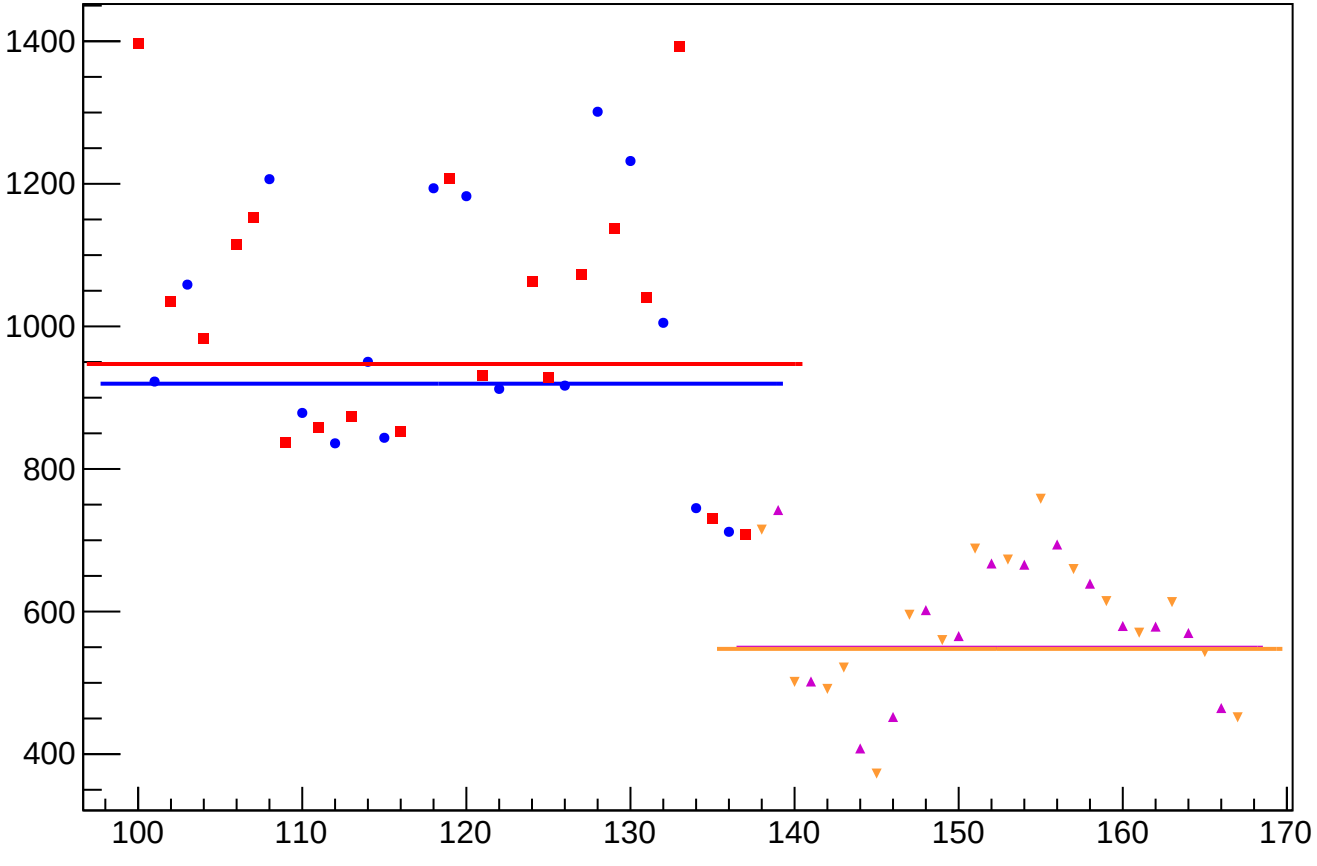
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 0.785+/-149.164 χ^2/NDF:32.0/29

Out: -728.296+/-143.639 χ^2/NDF:62.6/34

All: -377.509+/-103.466 χ^2/NDF: 107.0/64

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 547.648+/-0.111 χ^2/NDF:897422.3/15

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 549.289+/-0.117 χ^2/NDF:696312.8/13

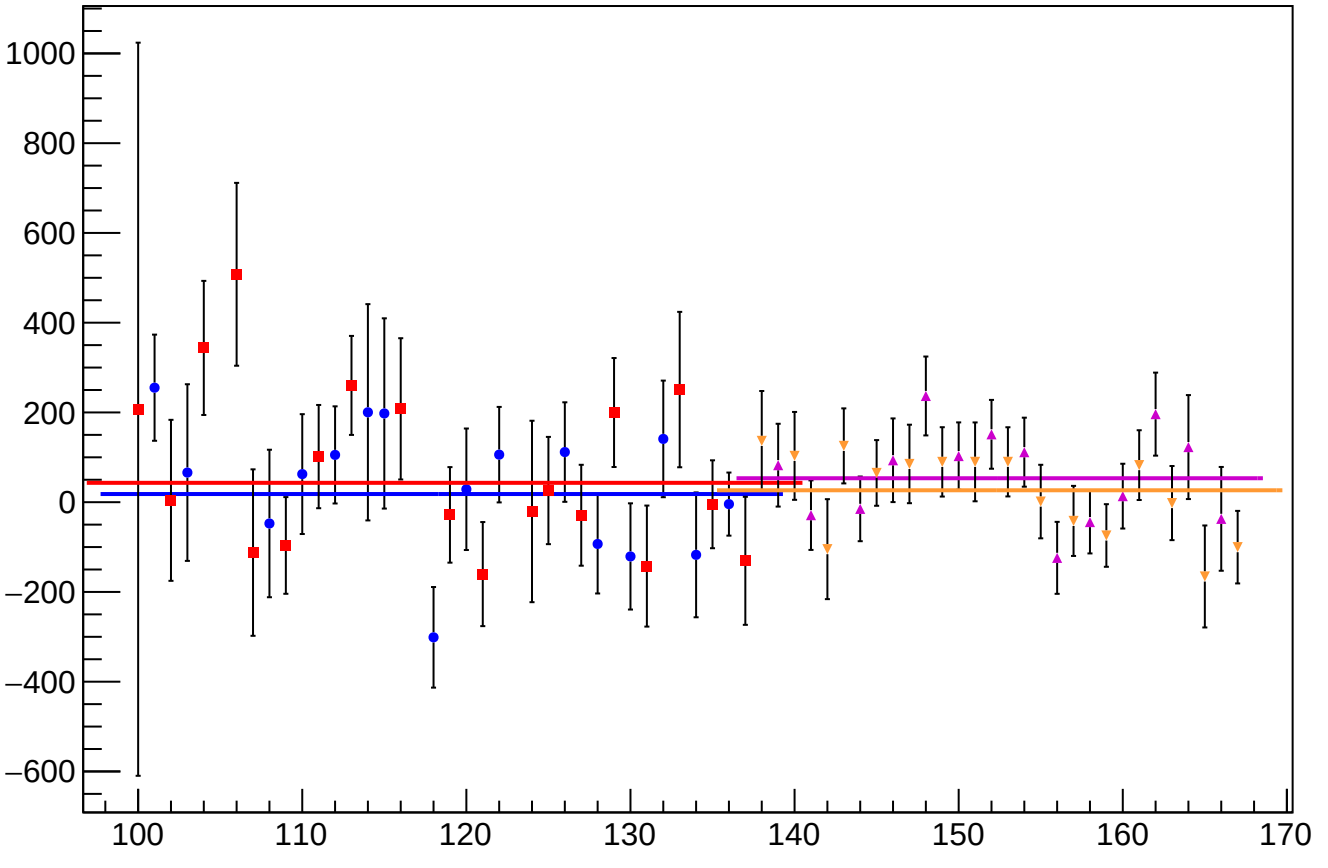
Left: 548.430+/-0.080 χ^2/NDF: 1593838.7/29

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 616.527+/-0.105 χ^2/NDF:3043742.0/29

Out: 613.976+/-0.102 χ^2/NDF:3465937.5/34

All: 615.203+/-0.073 χ^2/NDF: 6509983.2/64



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 26.547+/-21.069 χ^2/NDF:15.9/15

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 53.365+/-22.054 χ^2/NDF:19.8/13

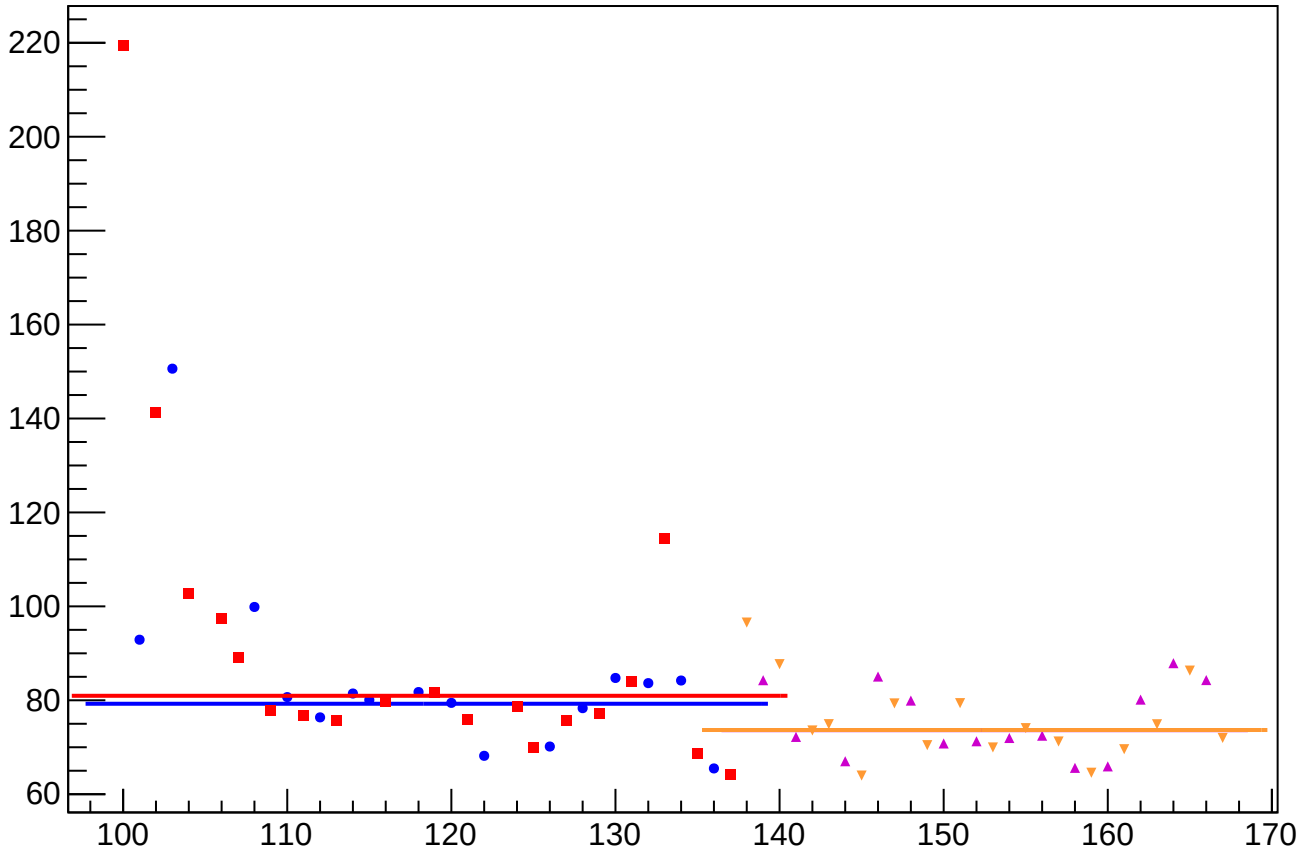
Left: 39.344+/-15.234 χ^2/NDF: 36.4/29

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 41.203+/-17.840 χ^2/NDF:40.8/29

Out: 31.859+/-17.373 χ^2/NDF:43.8/34

All: 36.407+/-12.446 χ^2/NDF: 84.8/64



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.672+/-0.015 χ^2/NDF:253949.2/15

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.637+/-0.016 χ^2/NDF:196924.2/13

Left: 73.655+/-0.011 χ^2/NDF: 450875.9/29

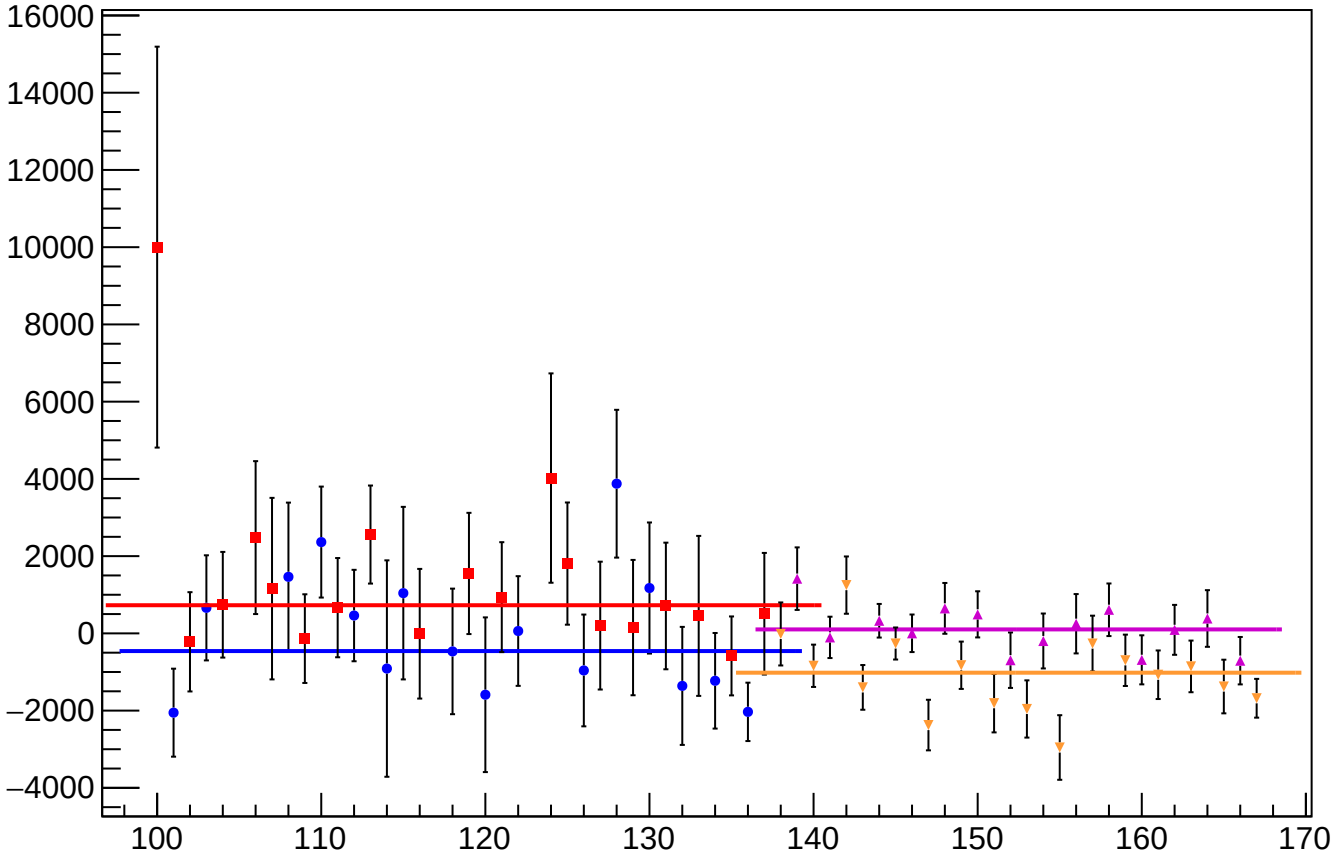
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 75.582+/-0.013 χ^2/NDF:686846.9/29

Out: 76.004+/-0.012 χ^2/NDF:844703.4/34

All: 75.798+/-0.009 χ^2/NDF: 1532125.9/64

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -1018.253+/-157.283 χ^2/NDF:30.6/15

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 102.579+/-164.880 χ^2/NDF:9.6/13

Left: -484.255+/-113.807 χ^2/NDF: 64.4/29

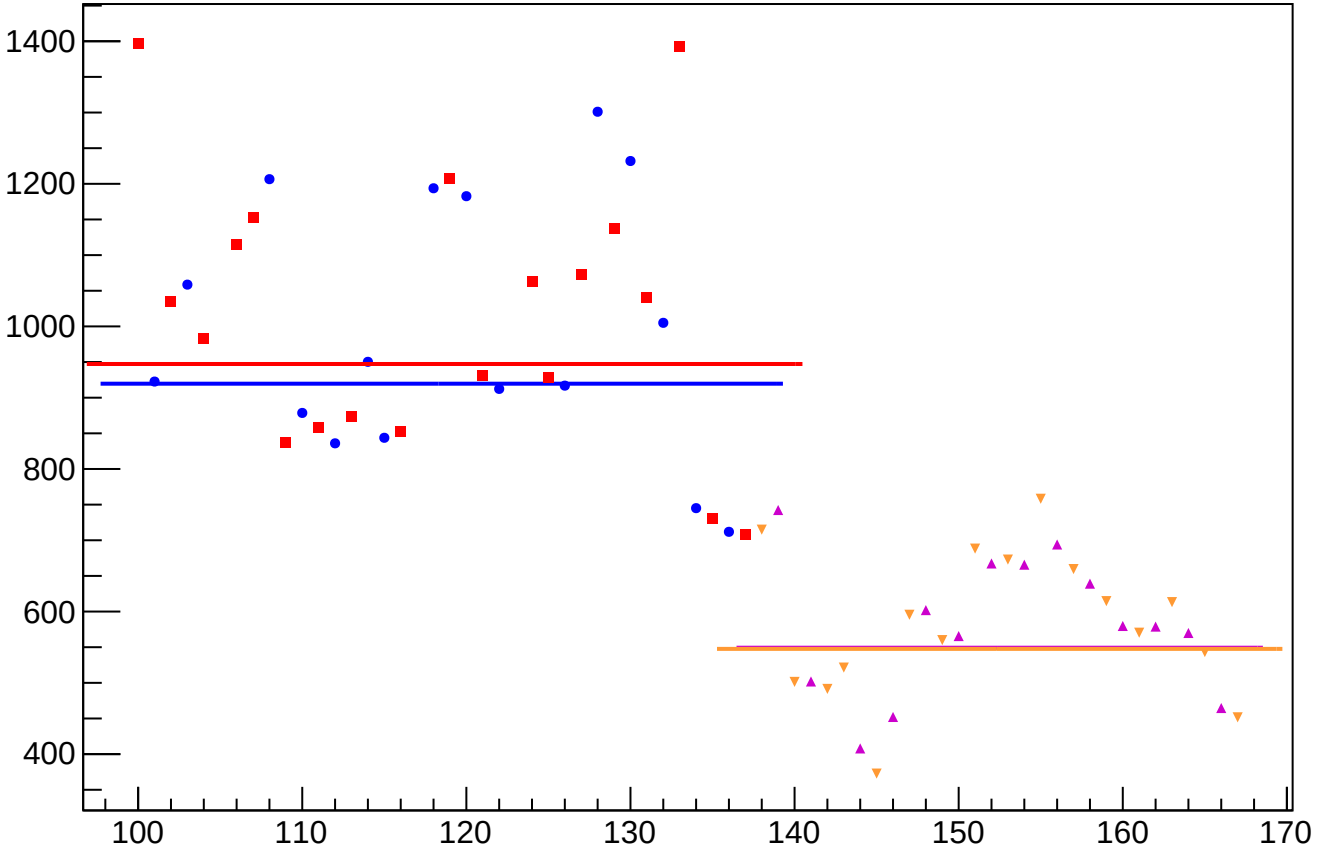
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 0.785+/-149.164 χ^2/NDF:32.0/29

Out: -728.295+/-143.638 χ^2/NDF:62.6/34

All: -377.509+/-103.466 χ^2/NDF: 107.0/64

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 547.647+/-0.111 χ^2/NDF:897426.9/15

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 549.288+/-0.117 χ^2/NDF:696311.6/13

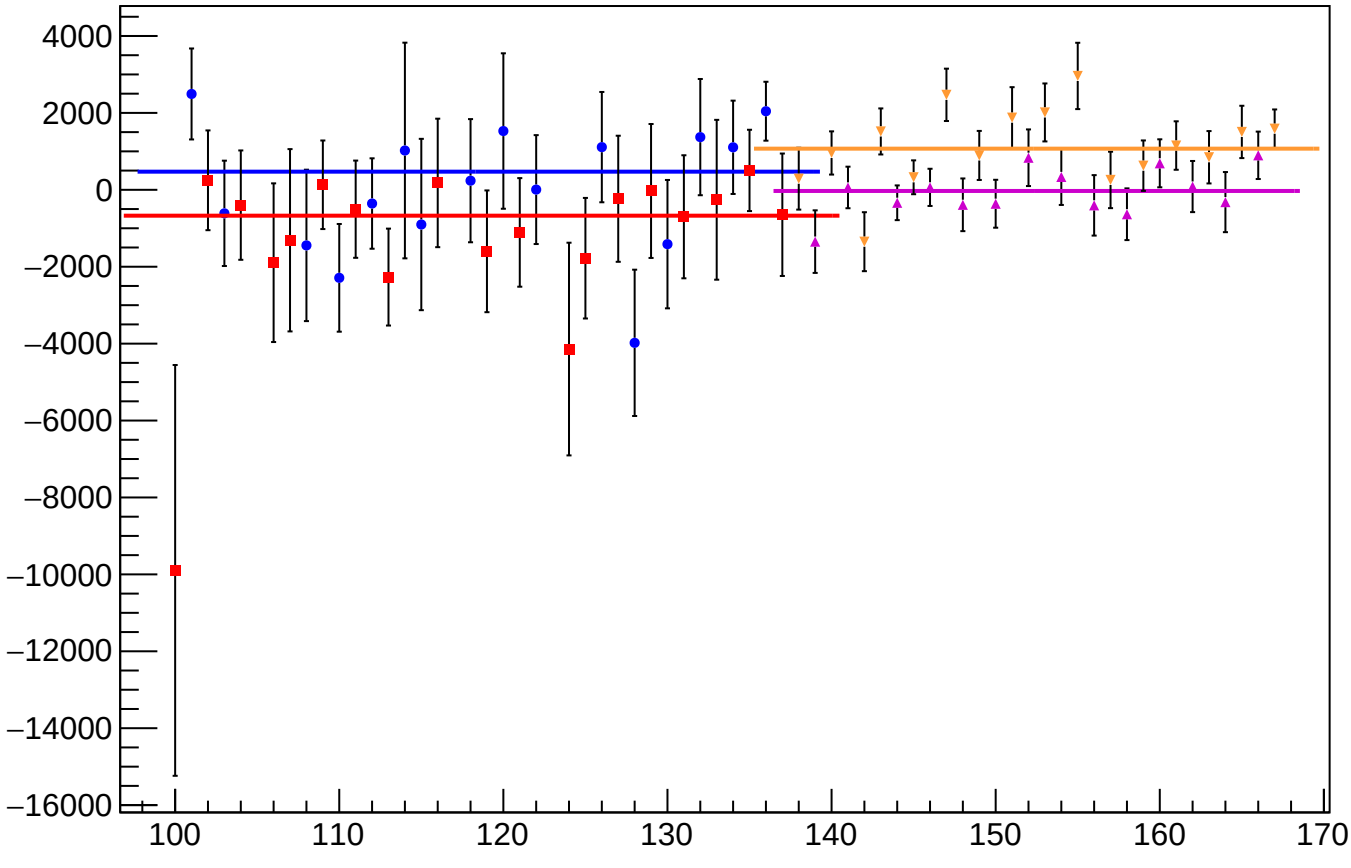
Left: 548.429+/-0.080 χ^2/NDF: 1593842.1/29

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 616.526+/-0.105 χ^2/NDF:3043735.7/29

Out: 613.974+/-0.102 χ^2/NDF:3465938.8/34

All: 615.202+/-0.073 χ^2/NDF: 6509978.2/64



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1070.275+/-160.773 χ^2/NDF:29.4/15

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -29.843+/-167.887 χ^2/NDF:10.1/13

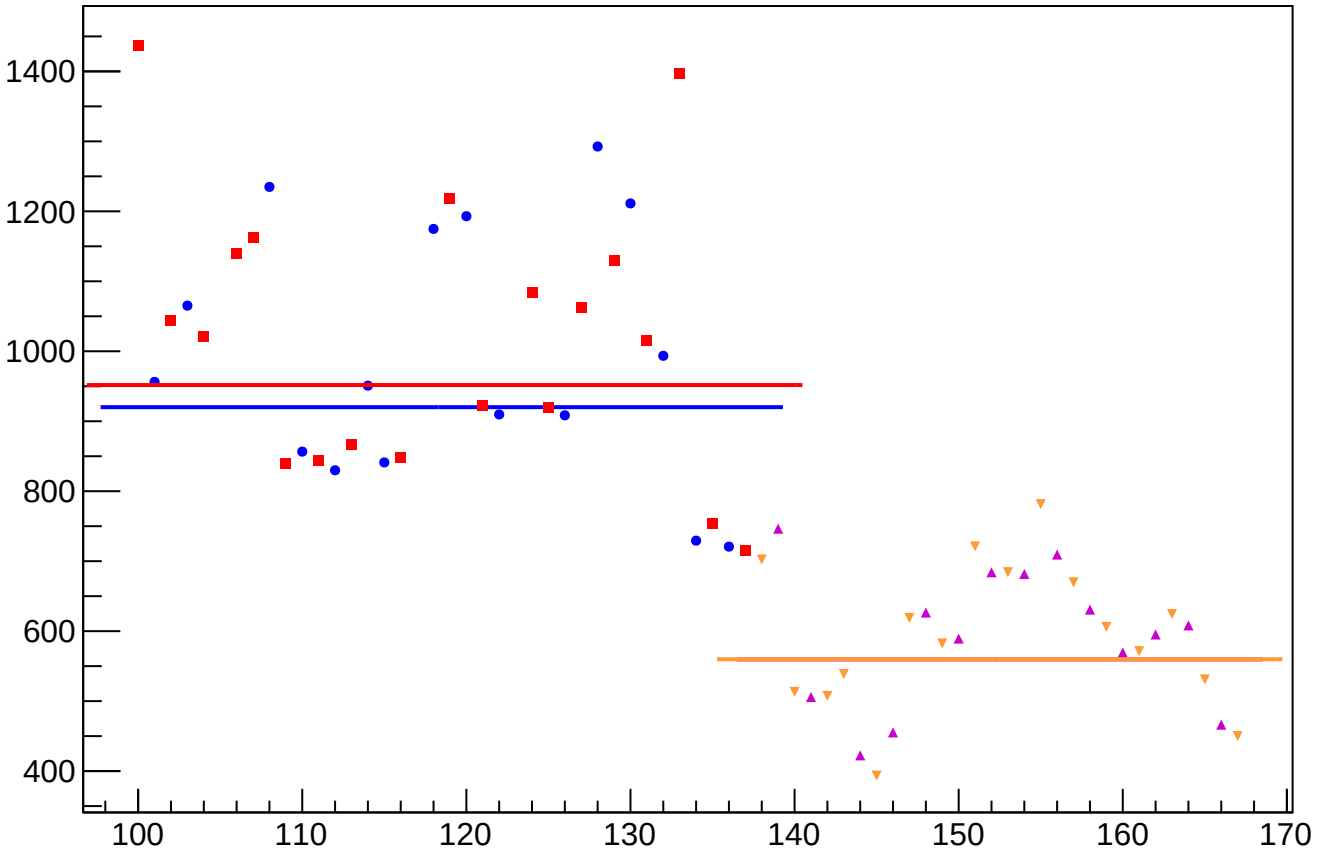
Left: 544.017+/-116.117 χ^2/NDF: 61.9/29

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 63.866+/-151.403 χ^2/NDF:33.3/29

Out: 772.981+/-146.420 χ^2/NDF:59.7/34

All: 430.286+/-105.252 χ^2/NDF: 104.3/64



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 559.891+/-0.114 χ^2/NDF:833696.5/15

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 559.610+/-0.119 χ^2/NDF:694809.5/13

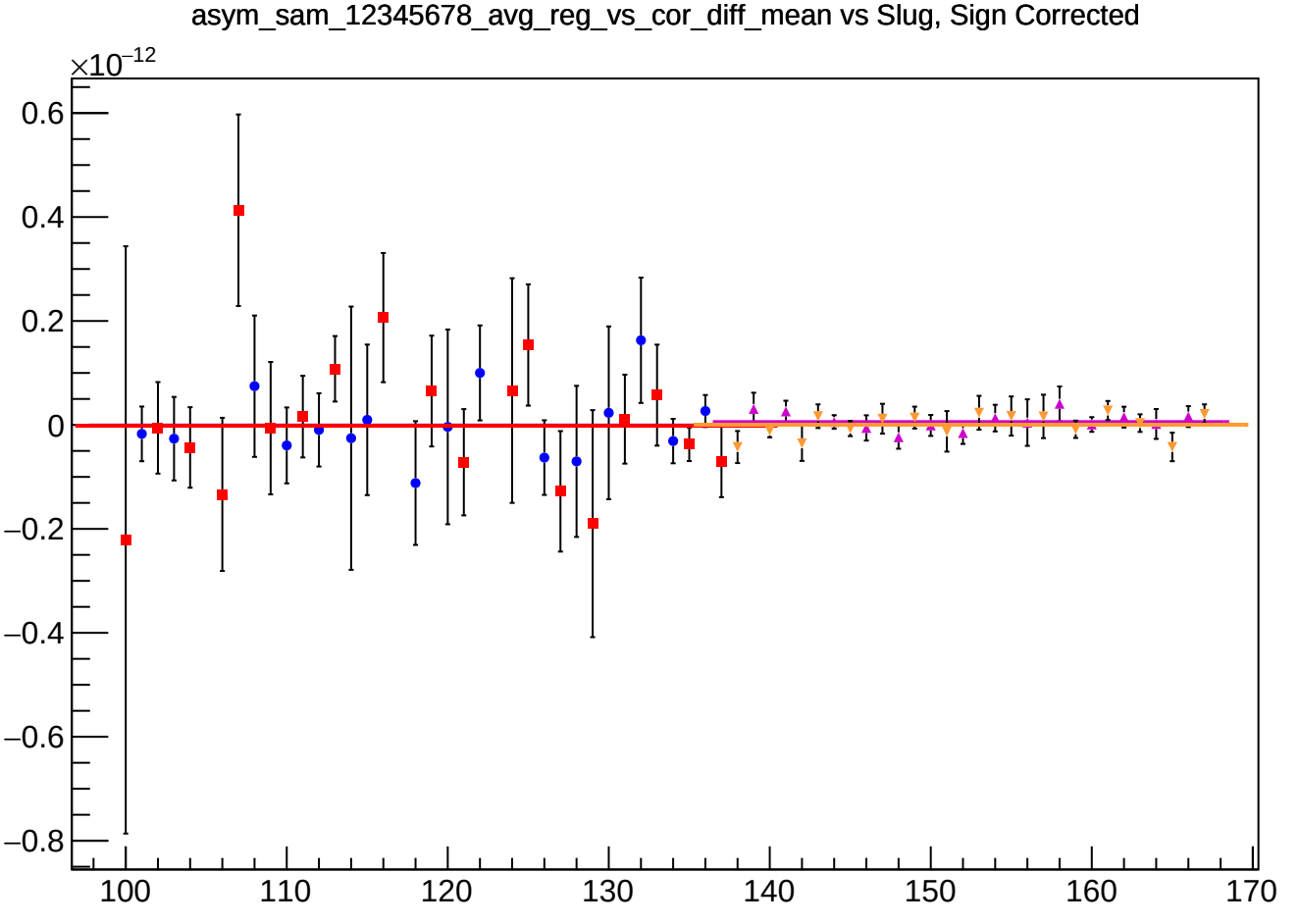
Left: 559.756+/-0.082 χ^2/NDF: 1528508.9/29

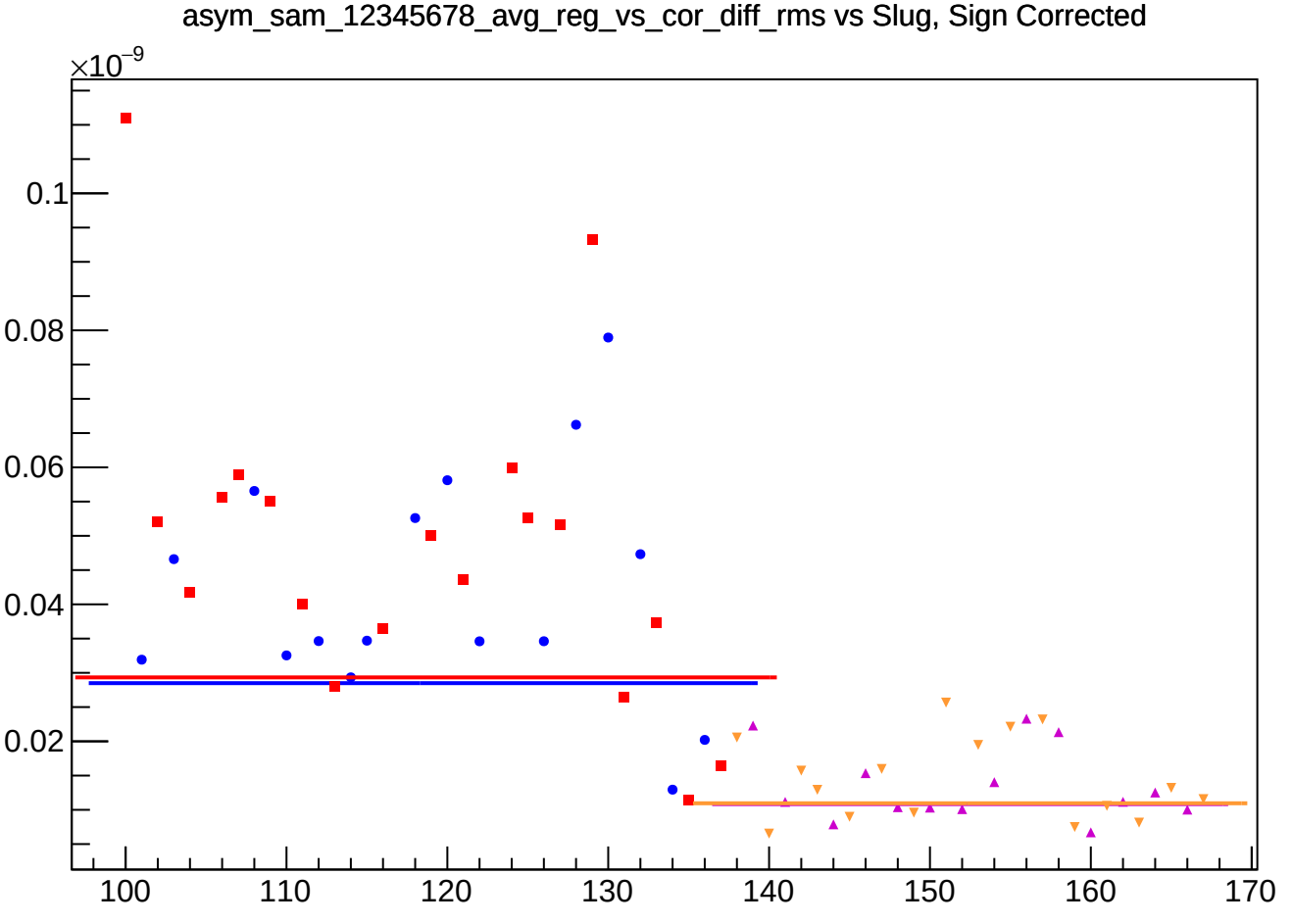
Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 626.927+/-0.107 χ^2/NDF:2925545.5/29

Out: 626.731+/-0.104 χ^2/NDF:3276318.9/34

All: 626.826+/-0.074 χ^2/NDF: 6201866.1/64


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 7.0/15
Left Out: 0.000+/-0.000 χ²/NDF:12.3/15
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: 0.000+/-0.000 χ²/NDF:6.5/13
Left: 0.000+/-0.000 χ²/NDF: 19.3/29
Right: -0.000+/-0.000 χ²/NDF: 26.5/34
In: 0.000+/-0.000 χ²/NDF:13.7/29
Out: 0.000+/-0.000 χ²/NDF:31.7/34
All: 0.000+/-0.000 χ²/NDF: 45.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1510247.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1015216.3/13

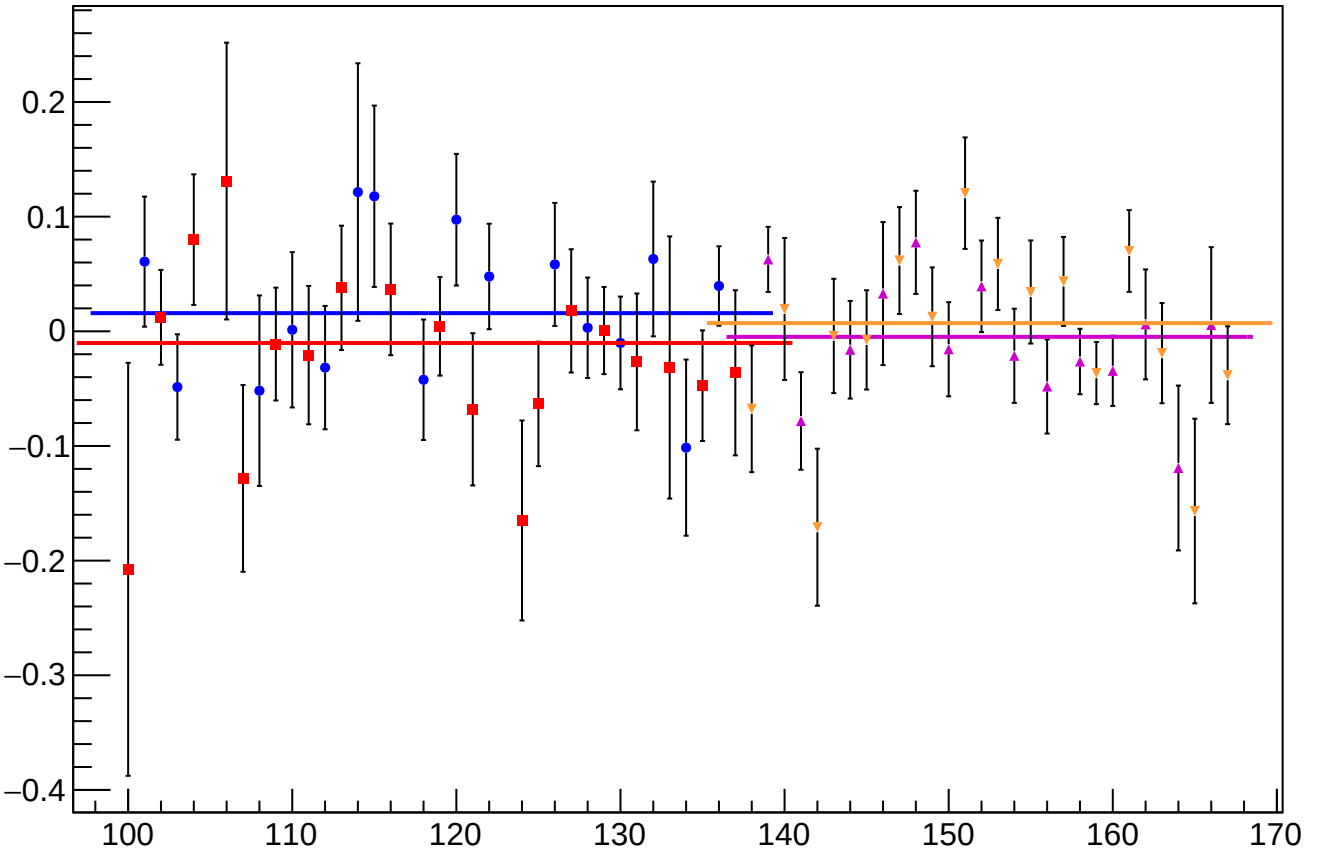
Left: 0.000+/-0.000 χ^2/NDF: 2525990.2/29

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3975905.2/29

Out: 0.000+/-0.000 χ^2/NDF:4847053.5/34

All: 0.000+/-0.000 χ^2/NDF: 8823985.9/64



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.007+/-0.011 χ^2/NDF:29.8/15

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/13

Left: 0.001+/-0.008 χ^2/NDF: 49.5/29

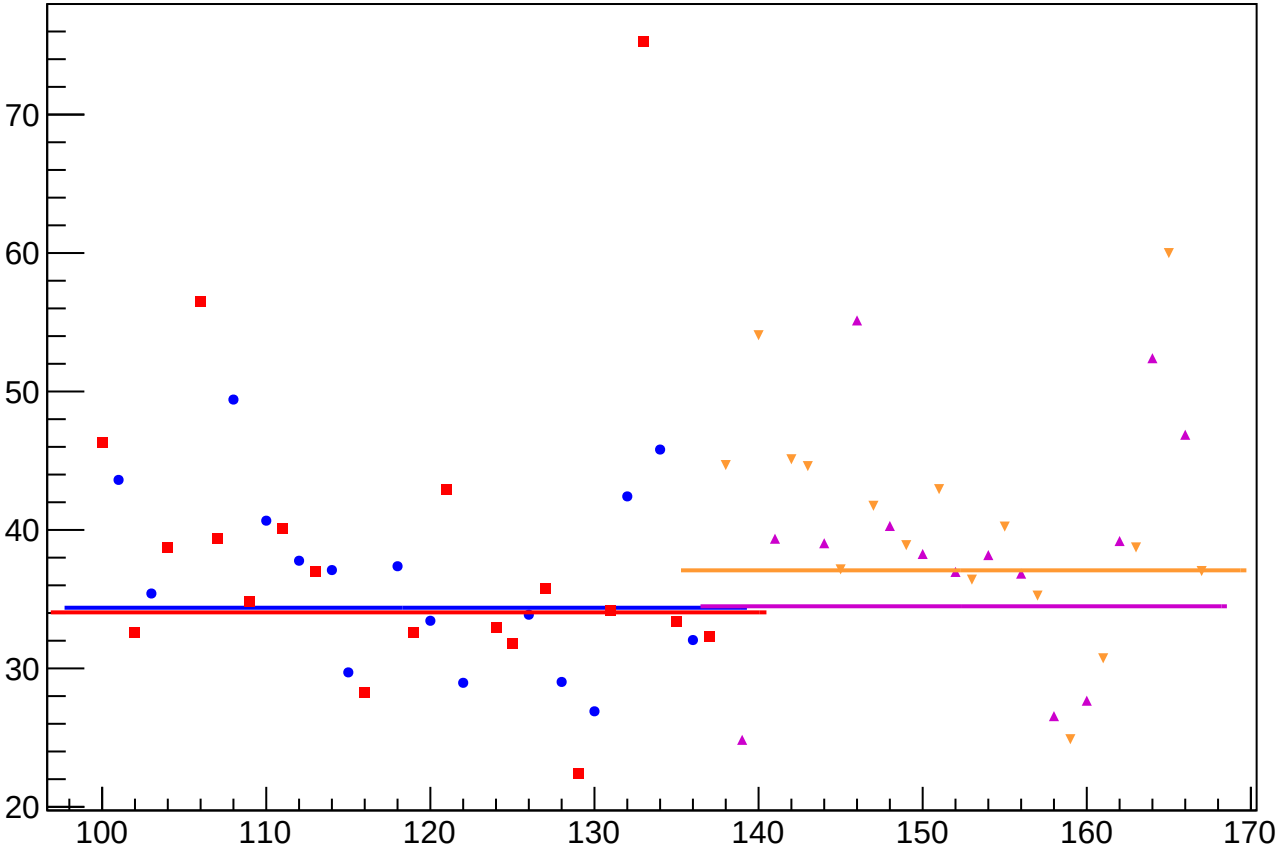
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/29

Out: 0.000+/-0.008 χ^2/NDF:46.0/34

All: 0.002+/-0.006 χ^2/NDF: 81.4/64

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.083+/-0.008 χ^2/NDF:962423.4/15

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.487+/-0.008 χ^2/NDF:1043705.3/13

Left: 35.760+/-0.005 χ^2/NDF: 2063225.1/29

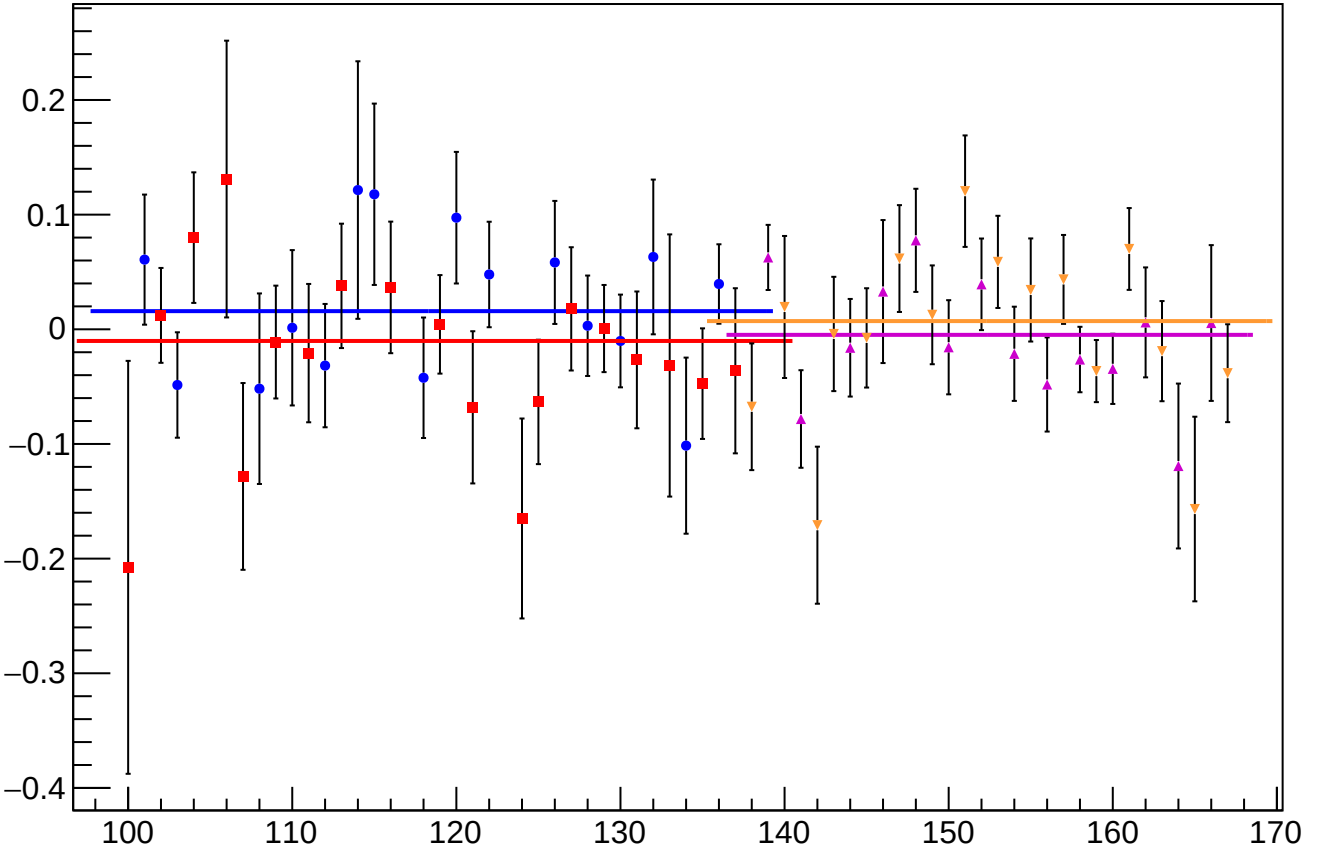
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.446+/-0.006 χ^2/NDF:1411663.1/29

Out: 35.844+/-0.006 χ^2/NDF:1667640.5/34

All: 35.141+/-0.004 χ^2/NDF: 3106922.8/64

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.007+/-0.011 χ^2/NDF:29.8/15

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/13

Left: 0.001+/-0.008 χ^2/NDF: 49.5/29

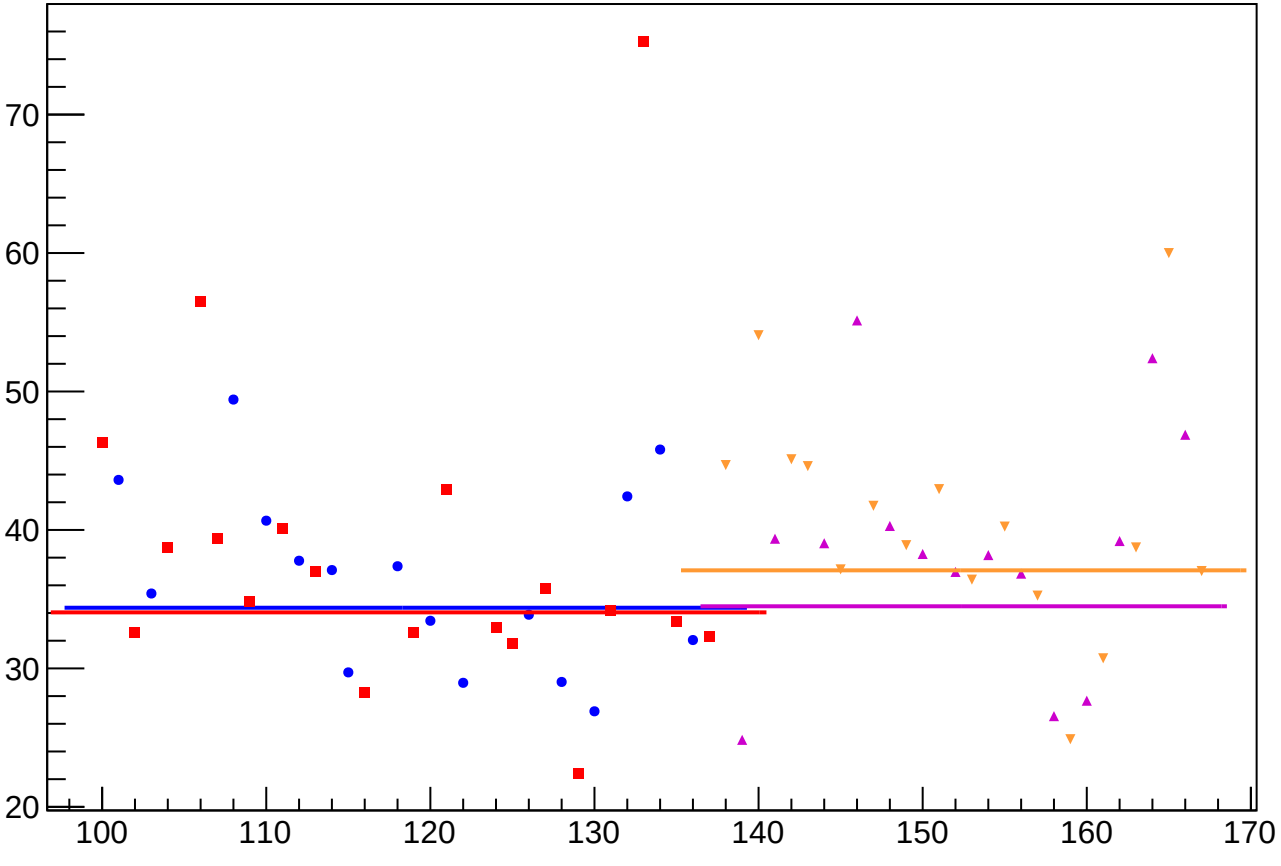
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/29

Out: 0.000+/-0.008 χ^2/NDF:46.0/34

All: 0.002+/-0.006 χ^2/NDF: 81.4/64

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.083+/-0.008 χ^2/NDF:962423.4/15

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.487+/-0.008 χ^2/NDF:1043705.3/13

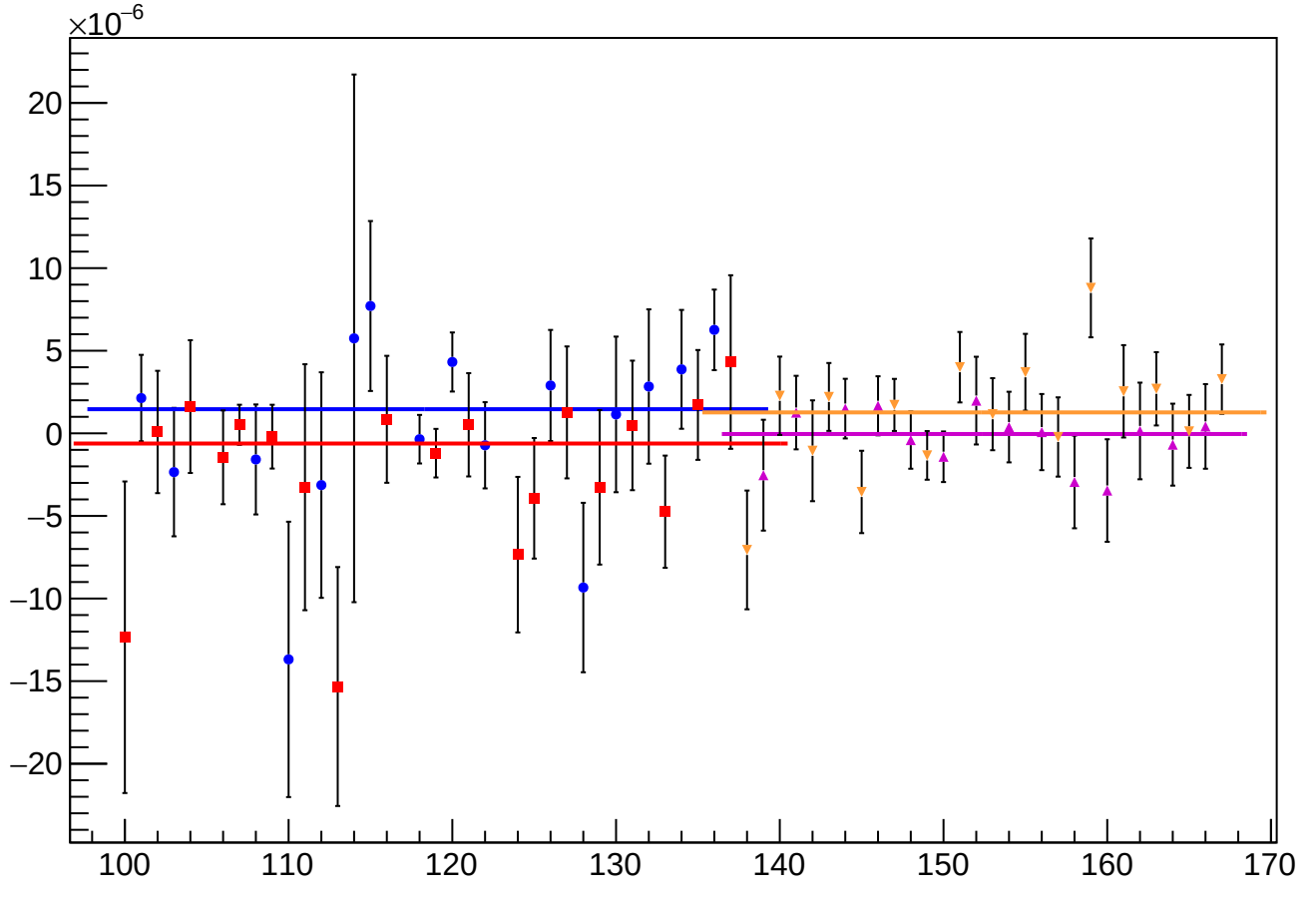
Left: 35.760+/-0.005 χ^2/NDF: 2063225.1/29

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.446+/-0.006 χ^2/NDF:1411663.1/29

Out: 35.844+/-0.006 χ^2/NDF:1667640.5/34

All: 35.141+/-0.004 χ^2/NDF: 3106922.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/13

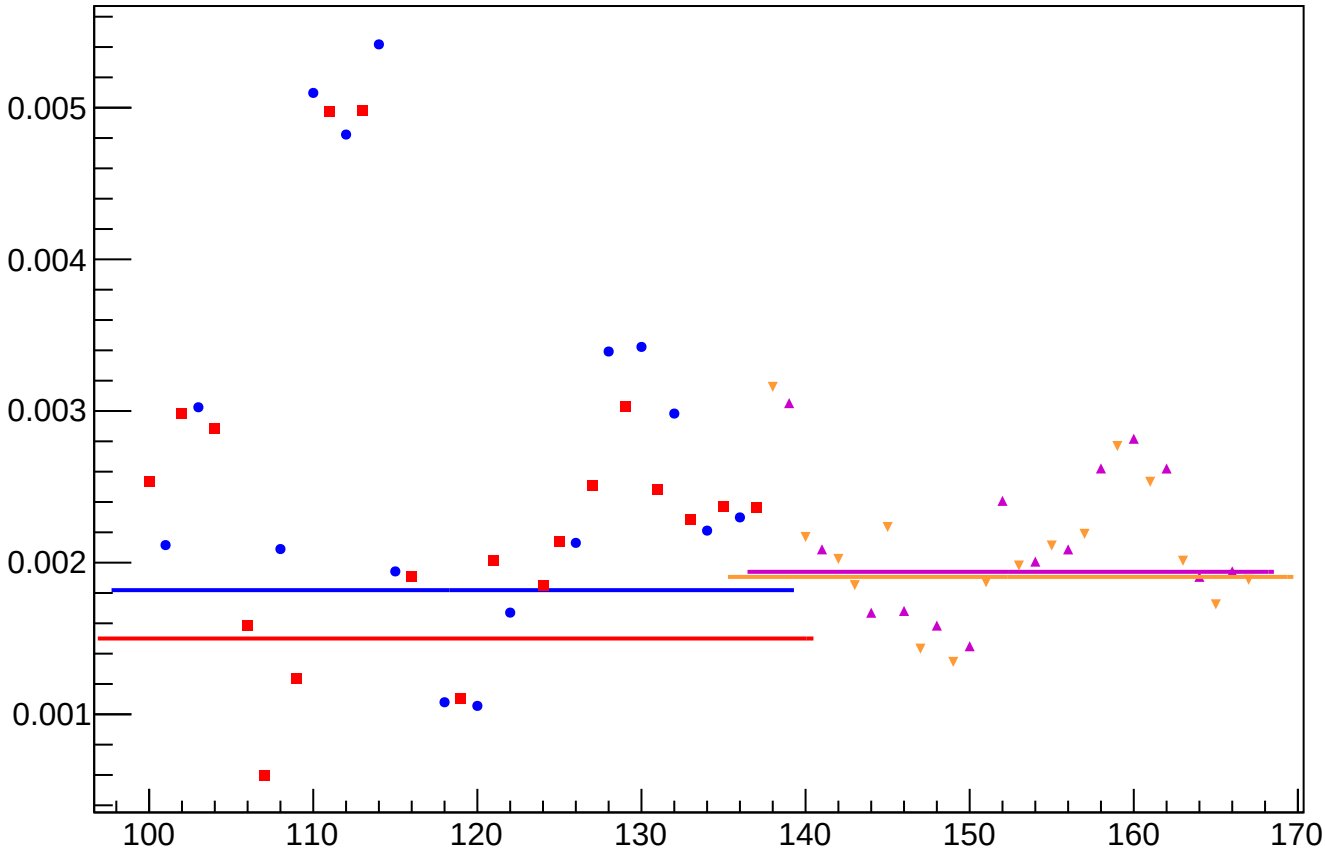
Left: 0.000+/-0.000 χ^2/NDF: 33.6/29

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:29.8/29

Out: 0.000+/-0.000 χ^2/NDF:43.4/34

All: 0.000+/-0.000 χ^2/NDF: 73.2/64



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1108931.1/15

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1063125.2/13

Left: 0.002+/-0.000 χ^2/NDF: 2175494.1/29

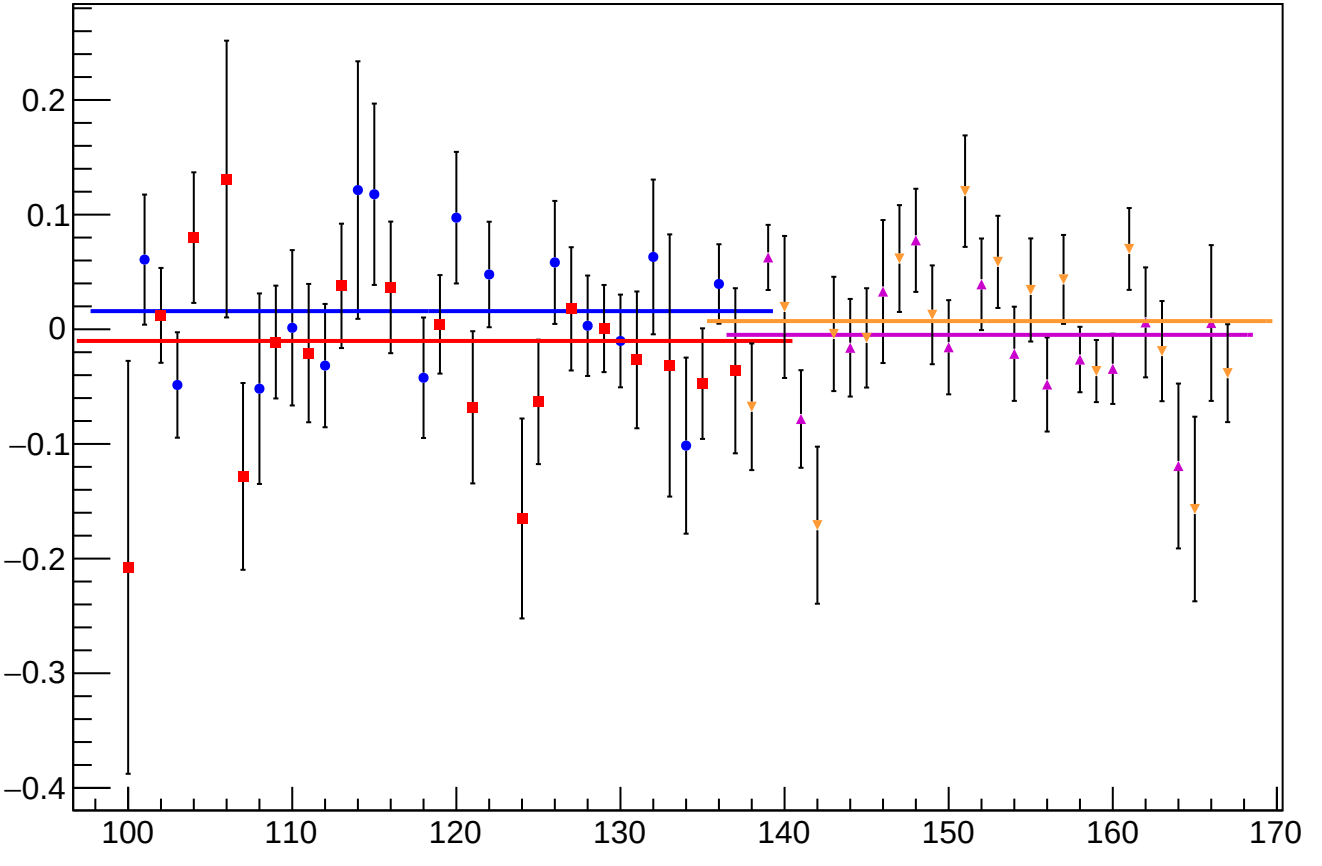
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3665343.7/29

Out: 0.002+/-0.000 χ^2/NDF:5255643.4/34

All: 0.002+/-0.000 χ^2/NDF: 9049768.2/64

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.007+/-0.011 χ^2/NDF:29.8/15

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/13

Left: 0.001+/-0.008 χ^2/NDF: 49.5/29

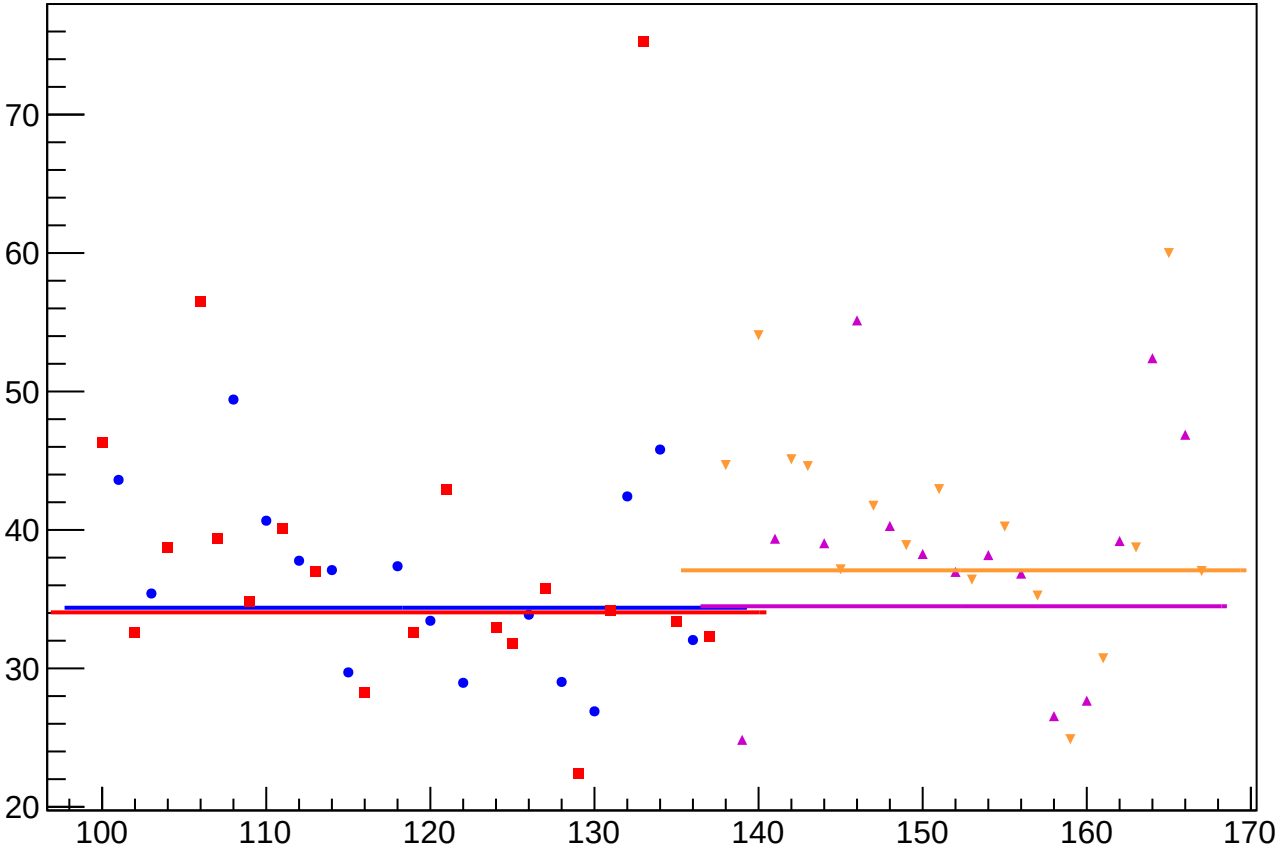
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/29

Out: 0.000+/-0.008 χ^2/NDF:46.0/34

All: 0.002+/-0.006 χ^2/NDF: 81.4/64

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.083+/-0.008 χ^2/NDF:962488.0/15

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.487+/-0.008 χ^2/NDF:1043781.5/13

Left: 35.760+/-0.005 χ^2/NDF: 2063365.2/29

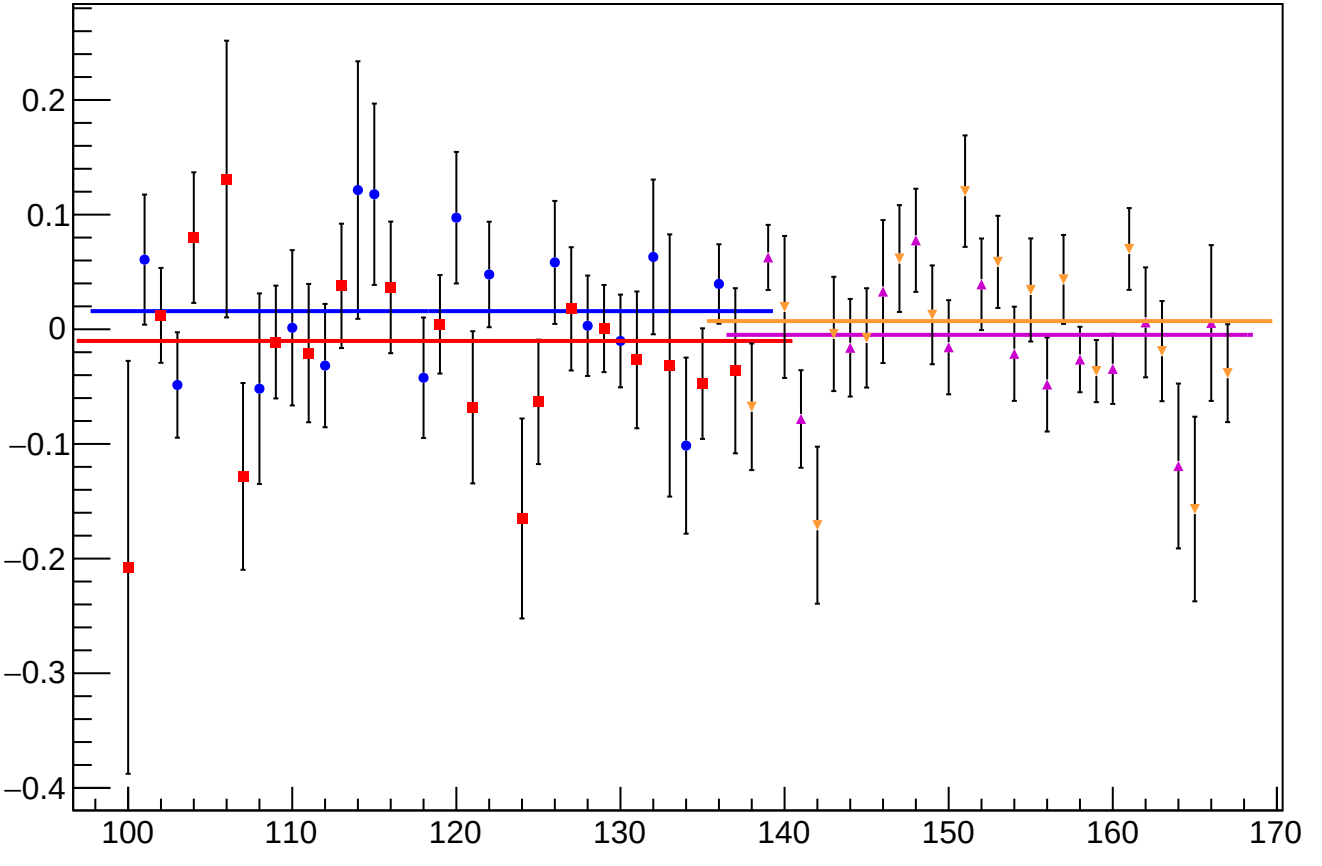
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.446+/-0.006 χ^2/NDF:1411798.0/29

Out: 35.844+/-0.006 χ^2/NDF:1667780.6/34

All: 35.141+/-0.004 χ^2/NDF: 3107199.8/64

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.007+/-0.011 χ^2/NDF:29.8/15

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/13

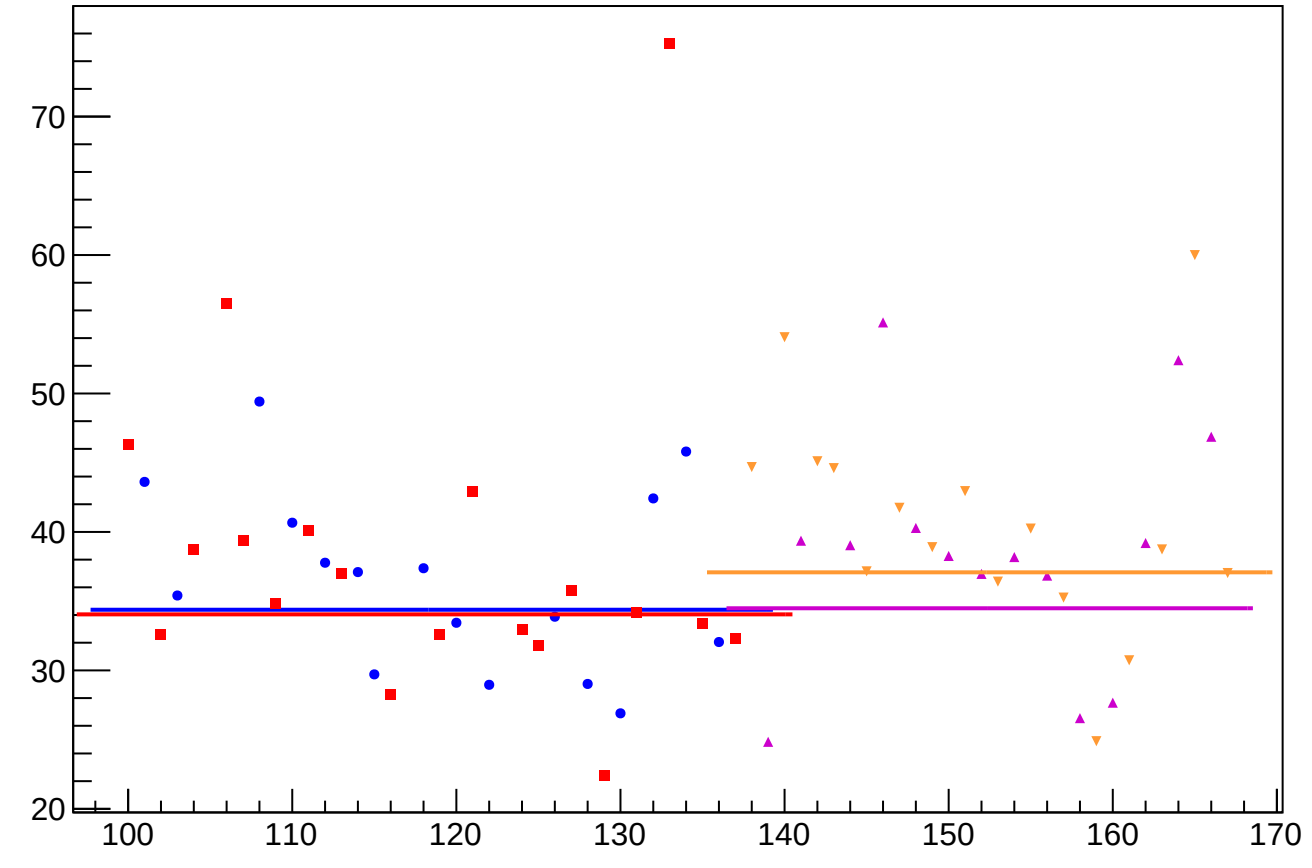
Left: 0.001+/-0.008 χ^2/NDF: 49.5/29

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/29

Out: 0.000+/-0.008 χ^2/NDF:46.0/34

All: 0.002+/-0.006 χ^2/NDF: 81.4/64



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.083+/-0.008 χ^2/NDF:962488.0/15

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.487+/-0.008 χ^2/NDF:1043781.5/13

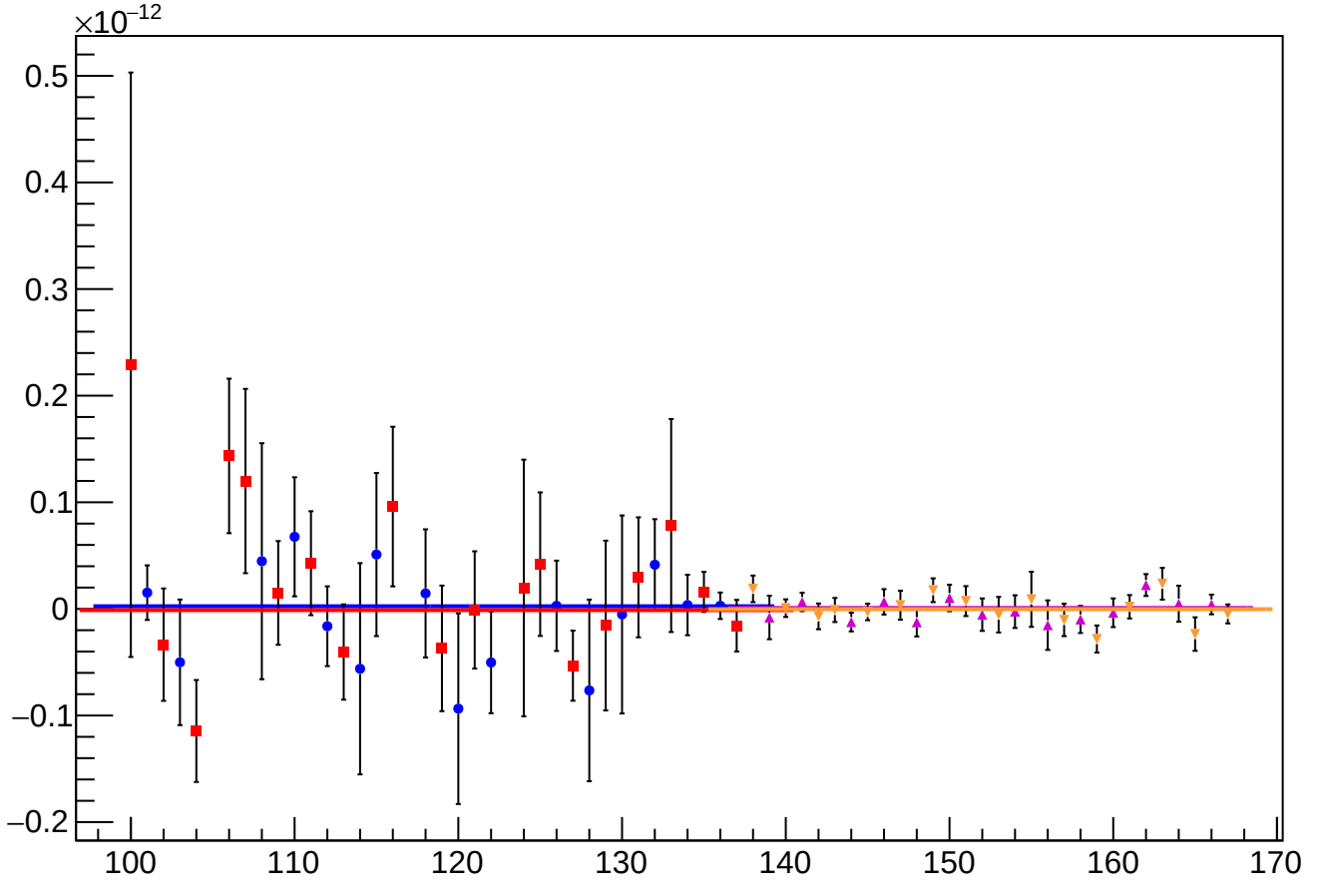
Left: 35.760+/-0.005 χ^2/NDF: 2063365.2/29

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.446+/-0.006 χ^2/NDF:1411798.0/29

Out: 35.844+/-0.006 χ^2/NDF:1667780.6/34

All: 35.141+/-0.004 χ^2/NDF: 3107199.8/64



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/13

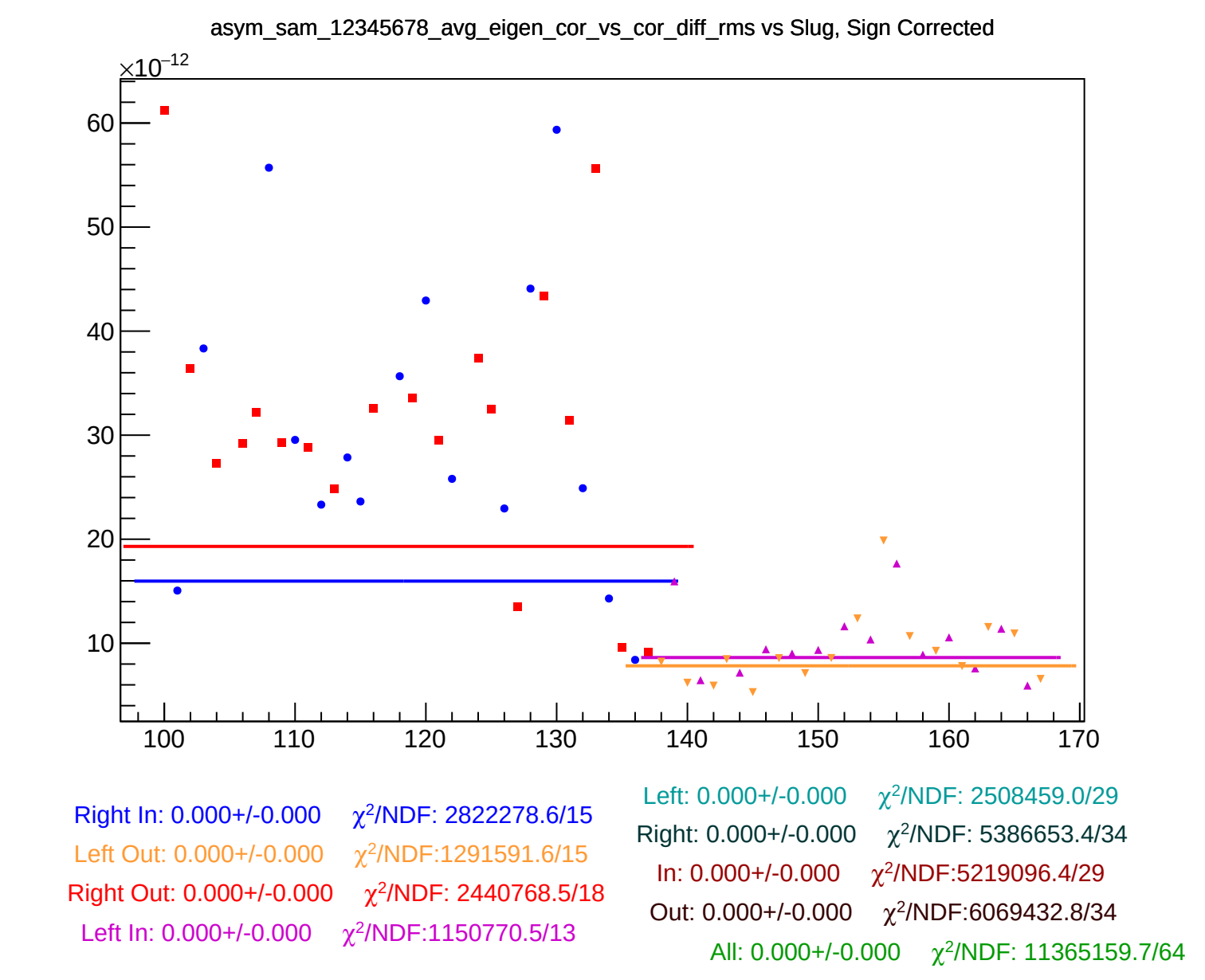
Left: 0.000+/-0.000 χ^2/NDF: 27.1/29

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

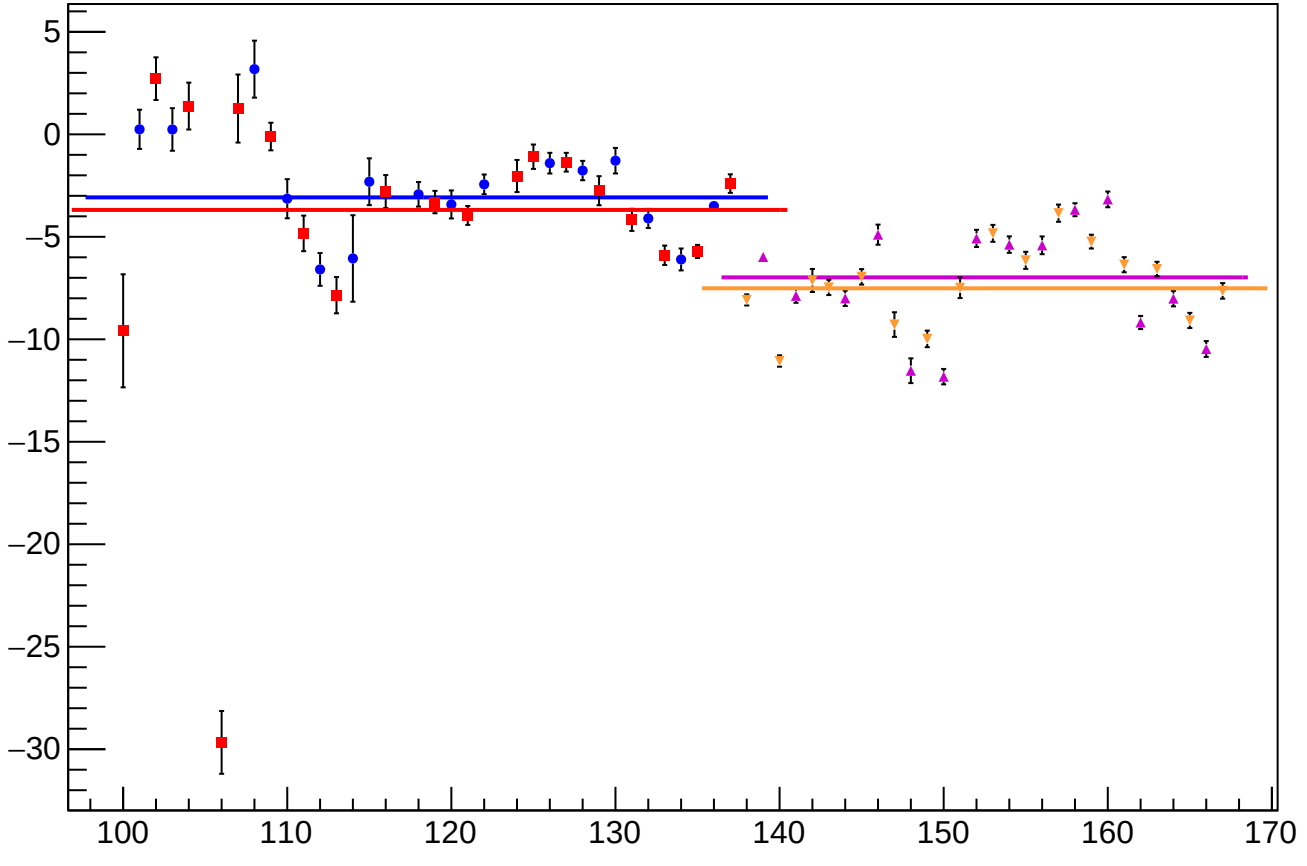
In: 0.000+/-0.000 χ^2/NDF:18.5/29

Out: -0.000+/-0.000 χ^2/NDF:37.8/34

All: 0.000+/-0.000 χ^2/NDF: 56.4/64


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1291591.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1150770.5/13
Left: 0.000+/-0.000 χ²/NDF: 2508459.0/29
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:5219096.4/29
Out: 0.000+/-0.000 χ²/NDF:6069432.8/34
All: 0.000+/-0.000 χ²/NDF: 11365159.7/64

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.512+/-0.094 χ^2/NDF:425.7/15

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.979+/-0.098 χ^2/NDF:664.7/13

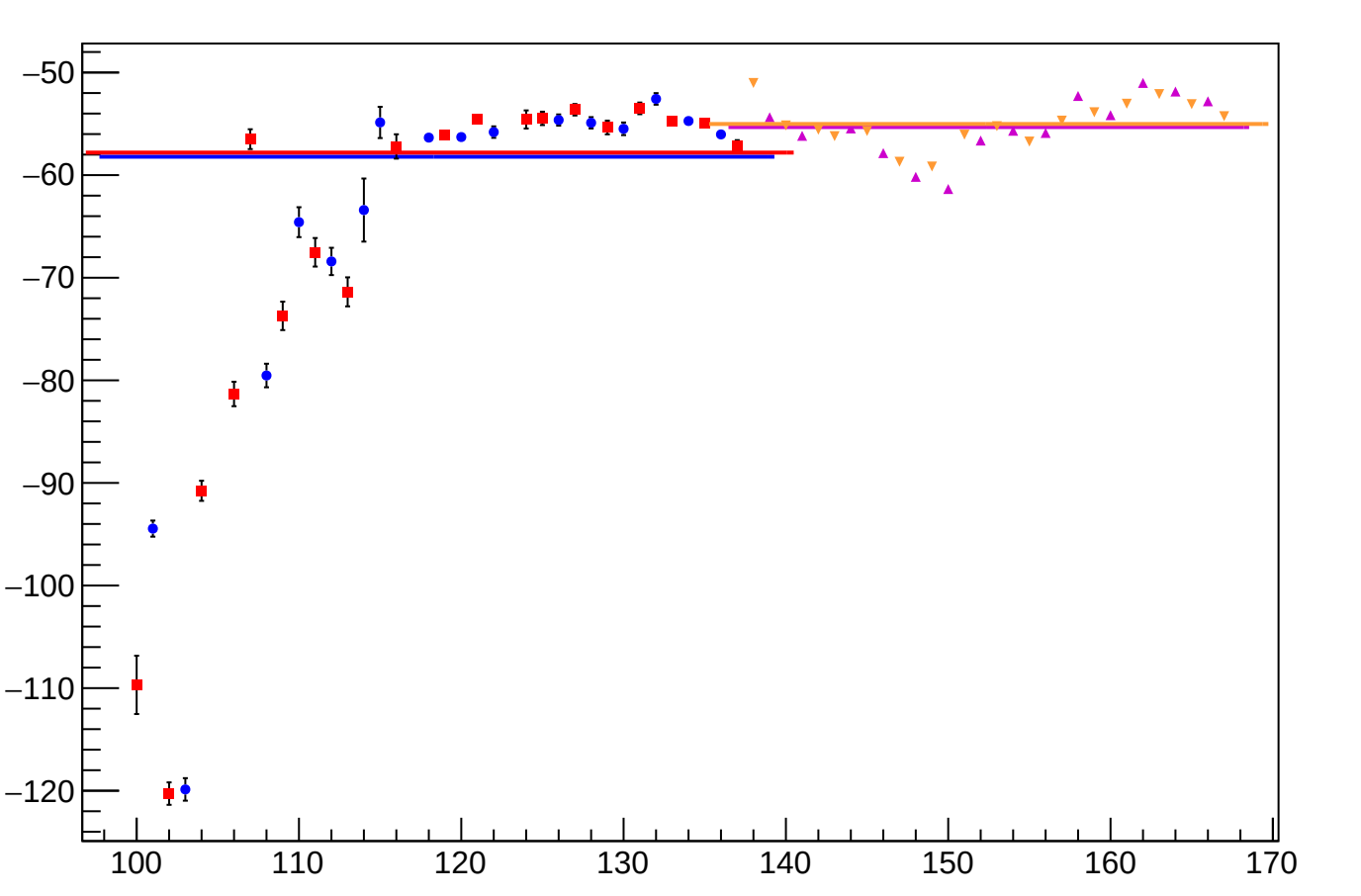
Left: -7.256+/-0.068 χ^2/NDF: 1105.8/29

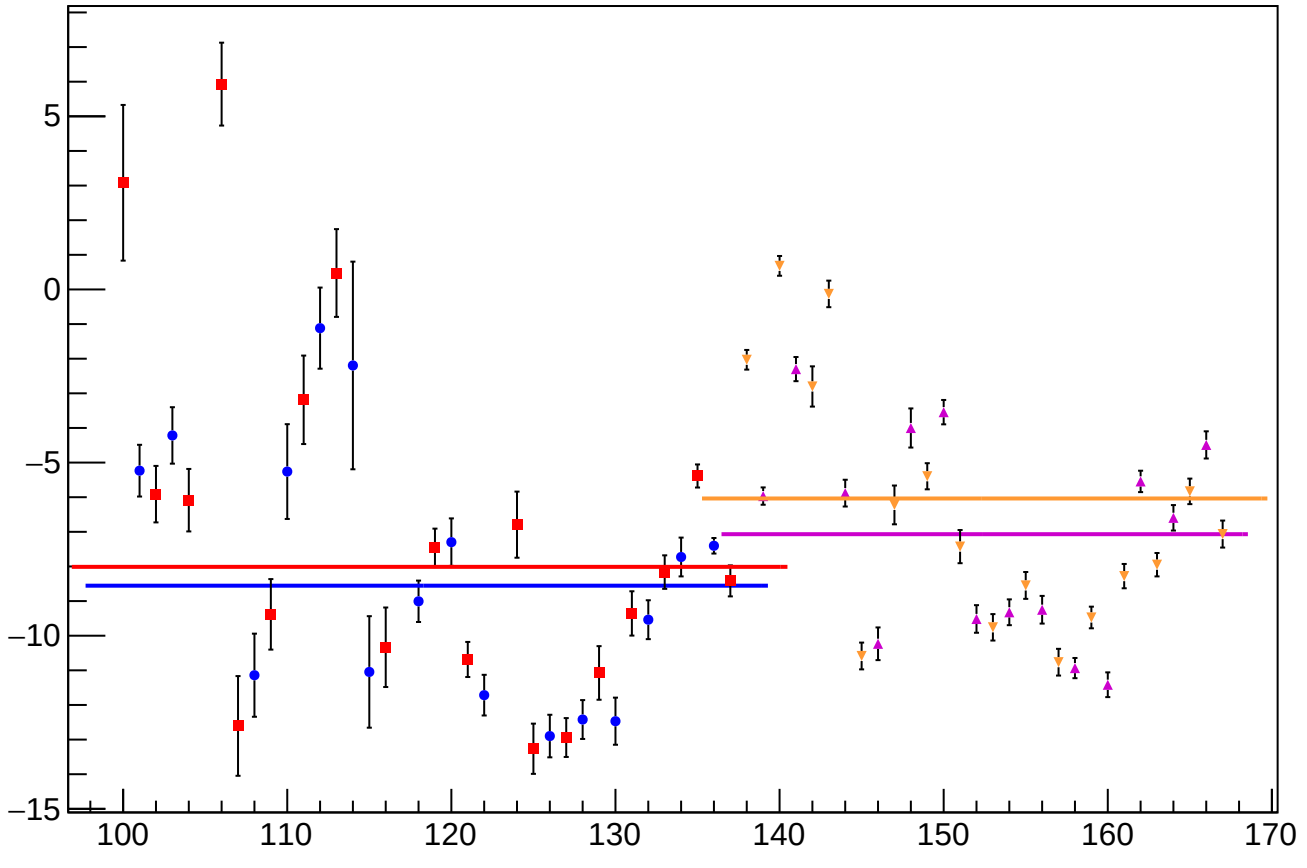
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.638+/-0.079 χ^2/NDF:1345.0/29

Out: -6.321+/-0.078 χ^2/NDF:1473.1/34

All: -5.984+/-0.056 χ^2/NDF: 2855.7/64


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
170
Right In: -58.204+/-0.136 χ²/NDF: 6126.9/15
Left Out: -55.016+/-0.070 χ²/NDF:933.1/15
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -55.317+/-0.074 χ²/NDF:1654.9/13
Left: -55.157+/-0.051 χ²/NDF: 2596.8/29
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -55.981+/-0.065 χ²/NDF:8131.2/29
Out: -55.578+/-0.062 χ²/NDF:7049.4/34
All: -55.770+/-0.045 χ²/NDF: 15200.7/64



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -6.037+/-0.092 χ^2/NDF:1658.4/15

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.068+/-0.095 χ^2/NDF:887.1/13

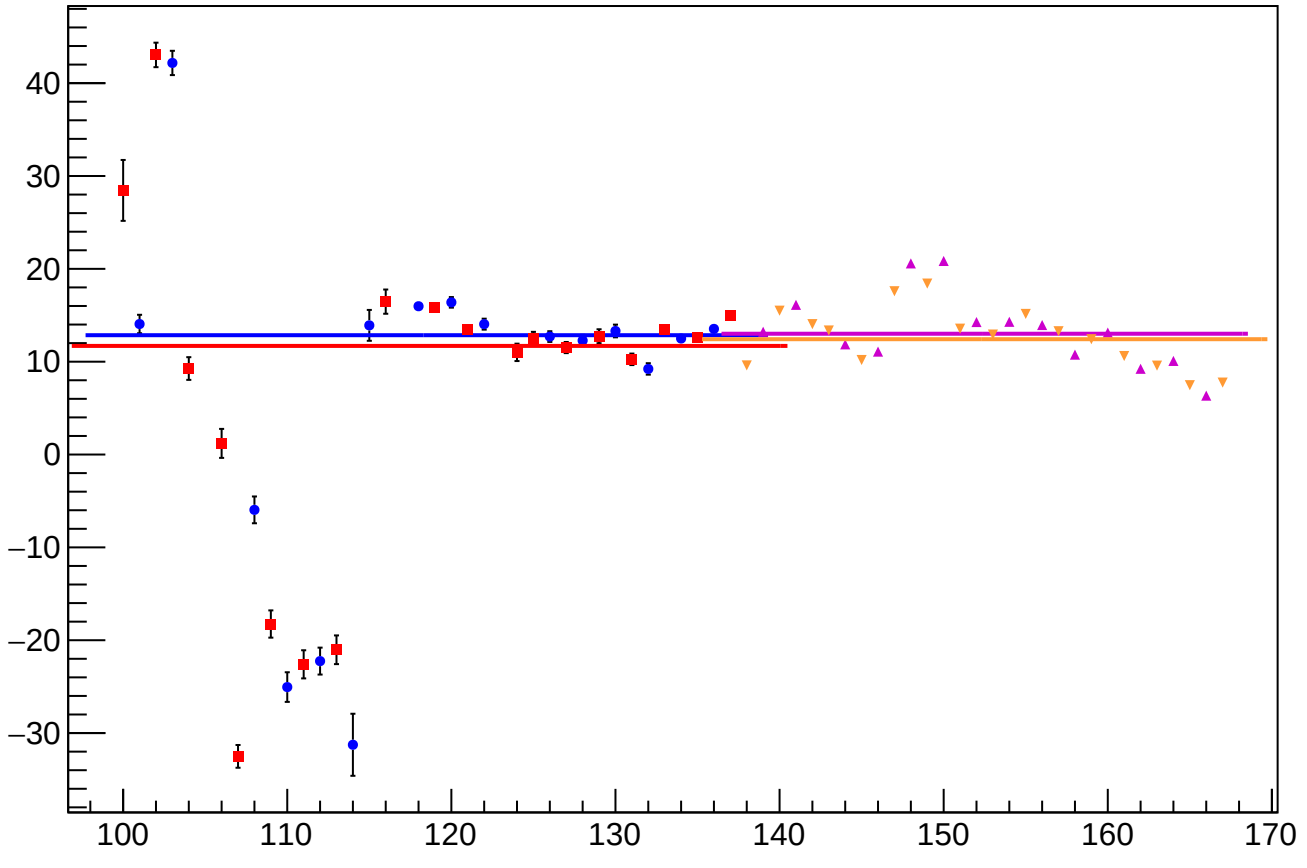
Left: -6.537+/-0.066 χ^2/NDF: 2605.8/29

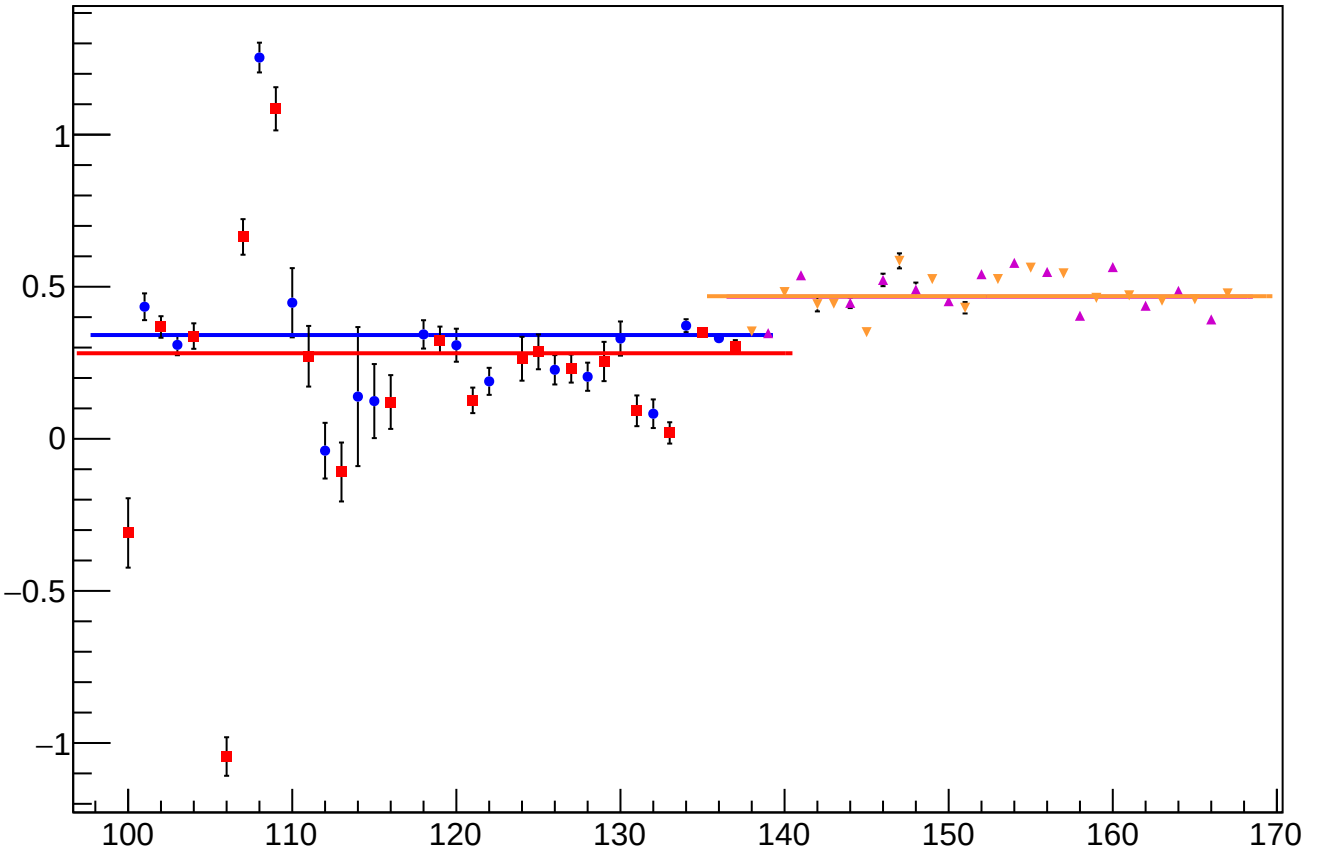
Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.517+/-0.080 χ^2/NDF:1261.5/29

Out: -6.566+/-0.079 χ^2/NDF:2269.8/34

All: -7.039+/-0.056 χ^2/NDF: 3603.3/64


reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
Right In: 12.853+/-0.150 χ²/NDF: 2128.4/15
Left Out: 12.422+/-0.079 χ²/NDF:1489.9/15
Right Out: 11.699+/-0.155 χ²/NDF: 3498.8/18
Left In: 13.011+/-0.083 χ²/NDF:2014.7/13
Left: 12.702+/-0.057 χ²/NDF: 3531.0/29
Right: 12.294+/-0.108 χ²/NDF: 5655.7/34
In: 12.974+/-0.073 χ²/NDF:4143.9/29
Out: 12.274+/-0.070 χ²/NDF:5005.9/34
All: 12.612+/-0.051 χ²/NDF: 9197.9/64



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.469+/-0.003 χ^2/NDF:324.3/15

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.467+/-0.004 χ^2/NDF:489.6/13

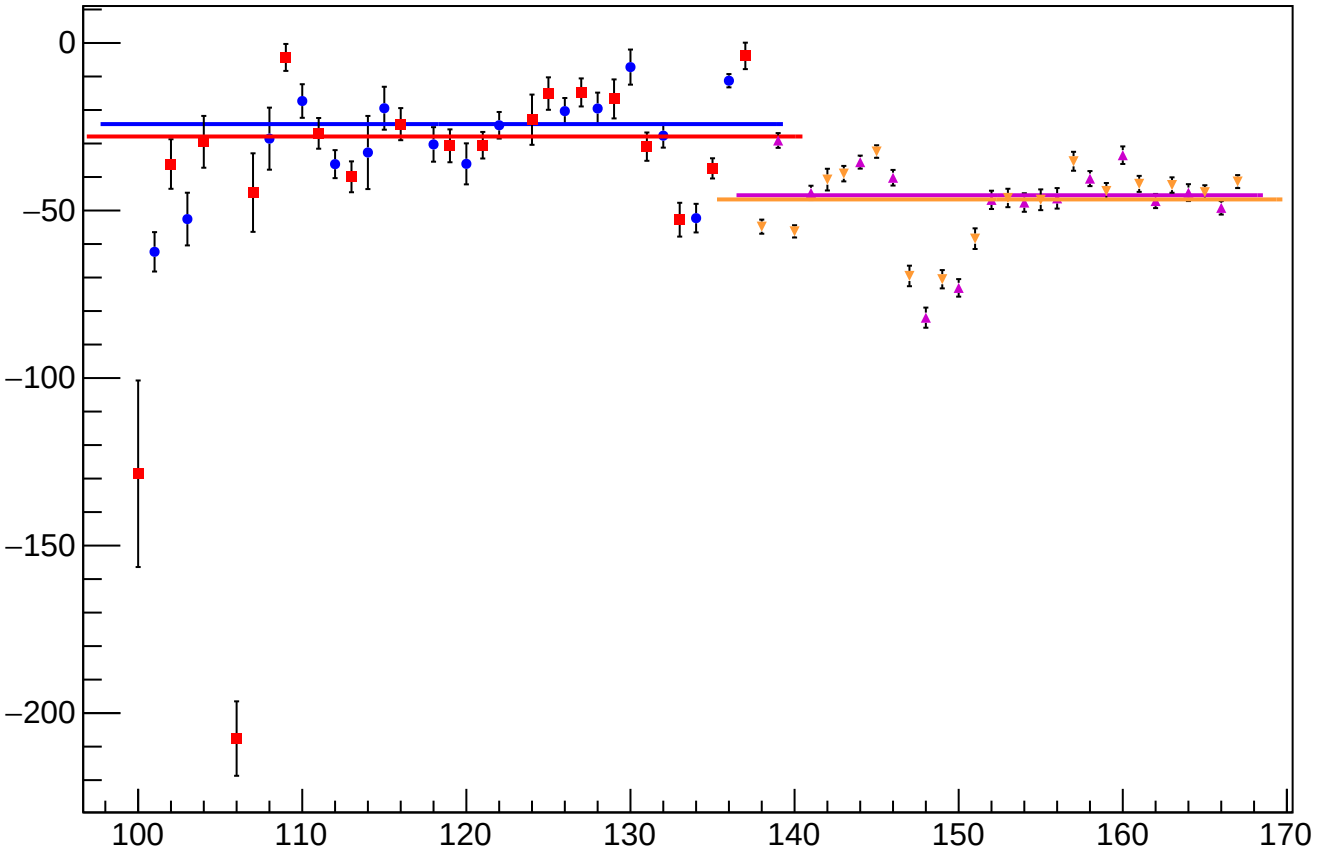
Left: 0.468+/-0.002 χ^2/NDF: 814.0/29

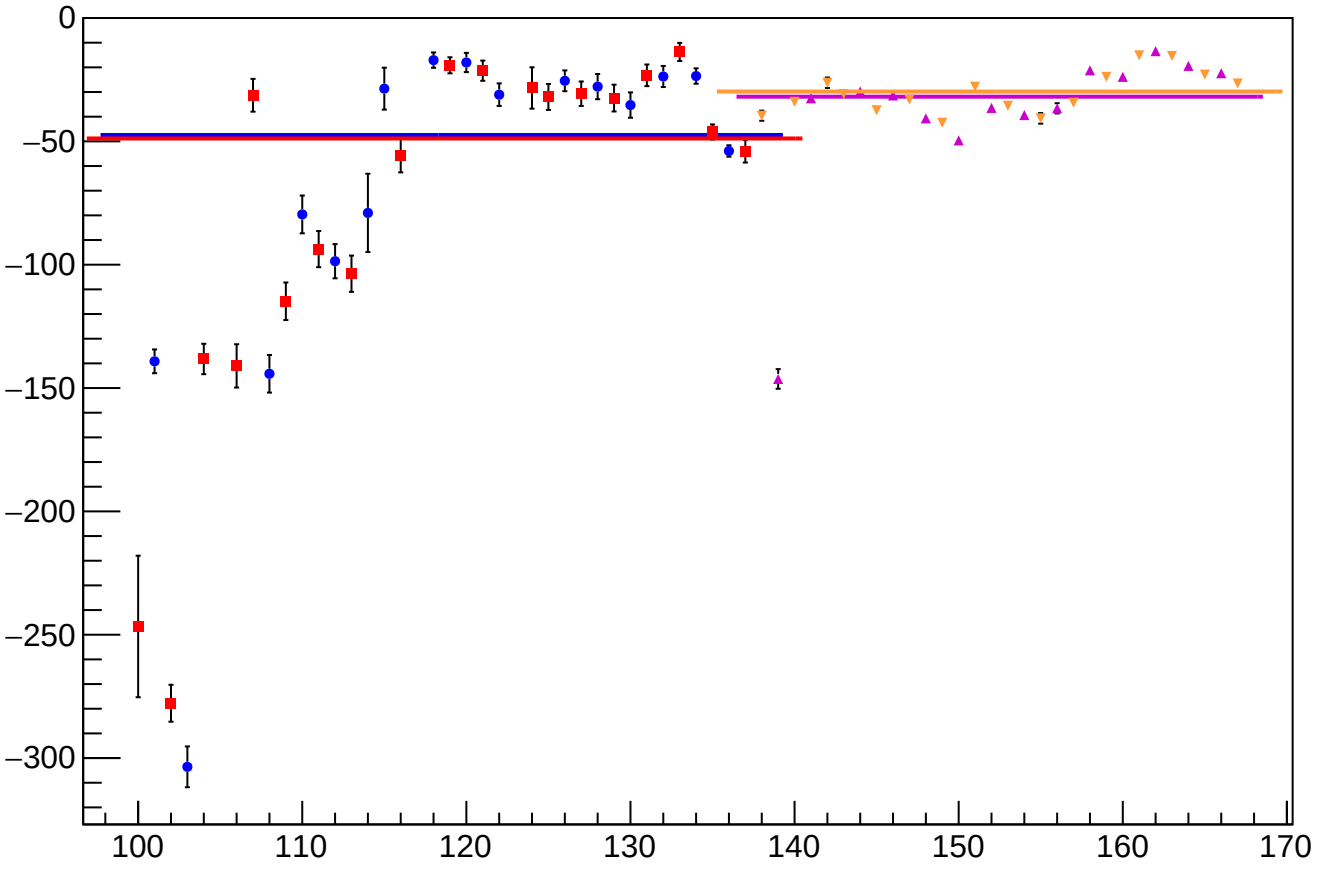
Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.446+/-0.003 χ^2/NDF:1138.2/29

Out: 0.442+/-0.003 χ^2/NDF:1521.7/34

All: 0.444+/-0.002 χ^2/NDF: 2660.8/64


reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -24.205+/-1.086 χ²/NDF: 170.7/15
Left Out: -46.690+/-0.594 χ²/NDF:293.7/15
Right Out: -27.906+/-1.137 χ²/NDF: 413.4/18
Left In: -45.445+/-0.636 χ²/NDF:376.2/13
Left: -46.110+/-0.434 χ²/NDF: 672.0/29
Right: -25.971+/-0.785 χ²/NDF: 589.7/34
In: -40.027+/-0.549 χ²/NDF:831.7/29
Out: -42.663+/-0.526 χ²/NDF:921.5/34
All: -41.399+/-0.380 χ²/NDF: 1765.2/64



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -29.799+/-0.424 χ^2/NDF:355.4/15

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -31.888+/-0.453 χ^2/NDF:1267.1/13

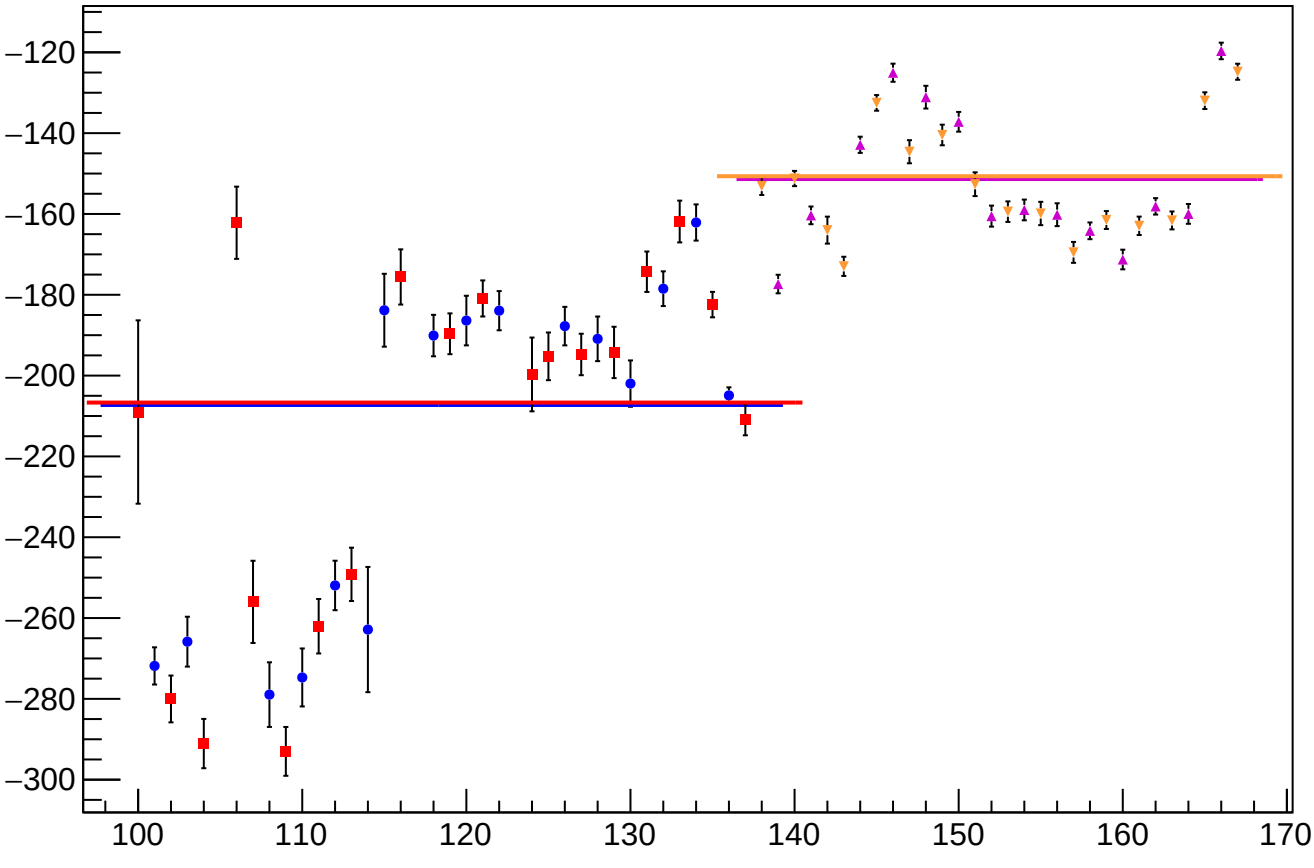
Left: -30.775+/-0.310 χ^2/NDF: 1633.9/29

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -34.135+/-0.419 χ^2/NDF:3310.9/29

Out: -31.968+/-0.399 χ^2/NDF:2359.6/34

All: -33.000+/-0.289 χ^2/NDF: 5684.5/64



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -150.662+/-0.585 χ^2/NDF:618.9/15

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -151.357+/-0.618 χ^2/NDF:786.0/13

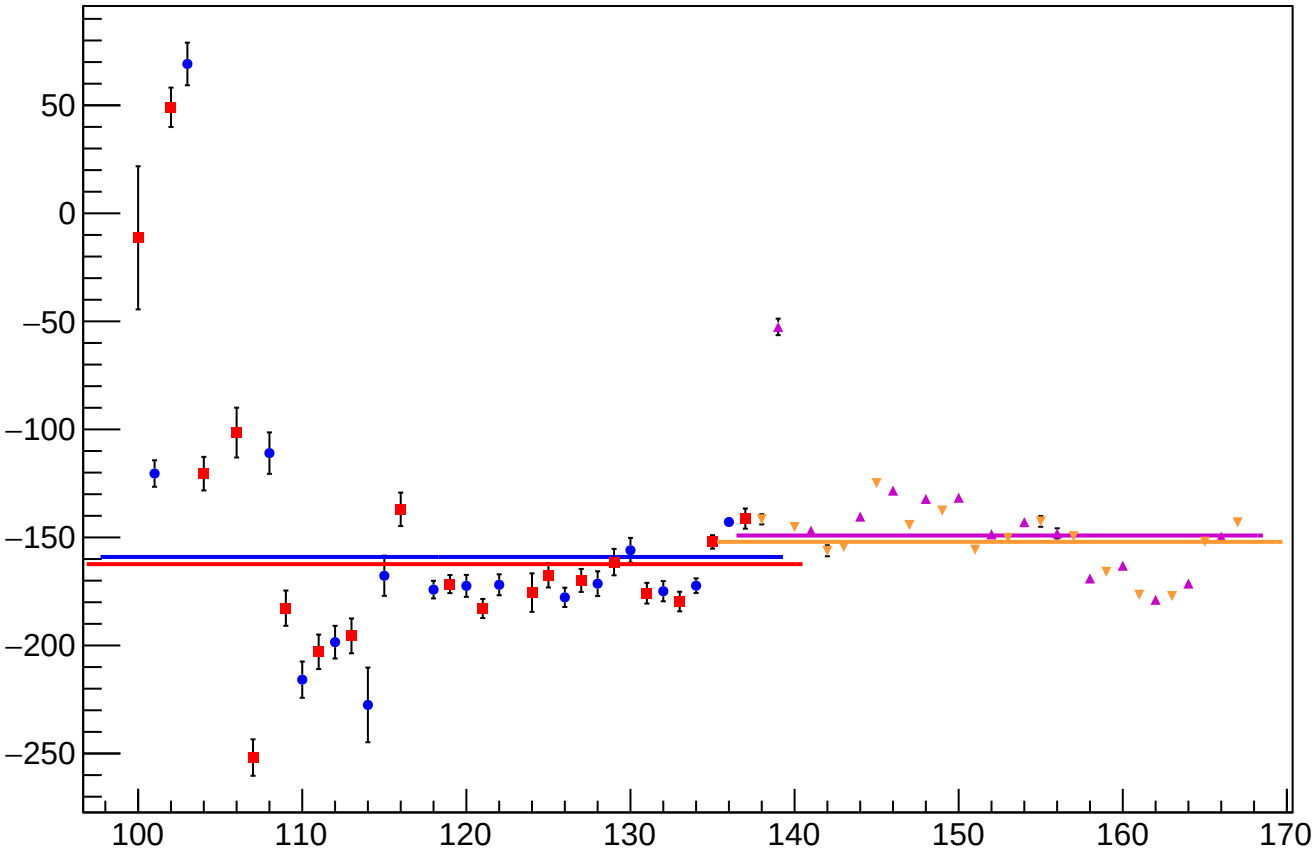
Left: -150.990+/-0.425 χ^2/NDF: 1405.6/29

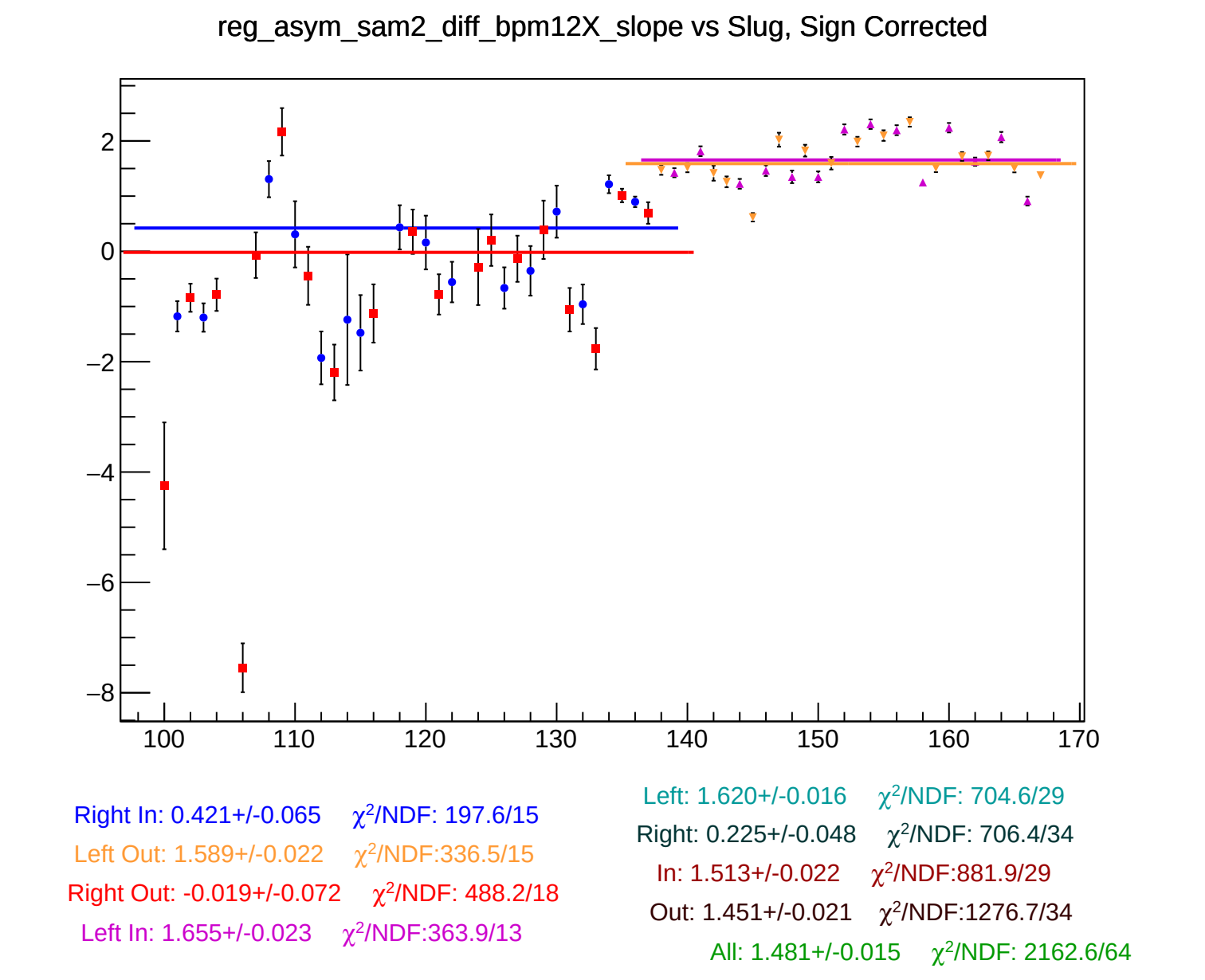
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

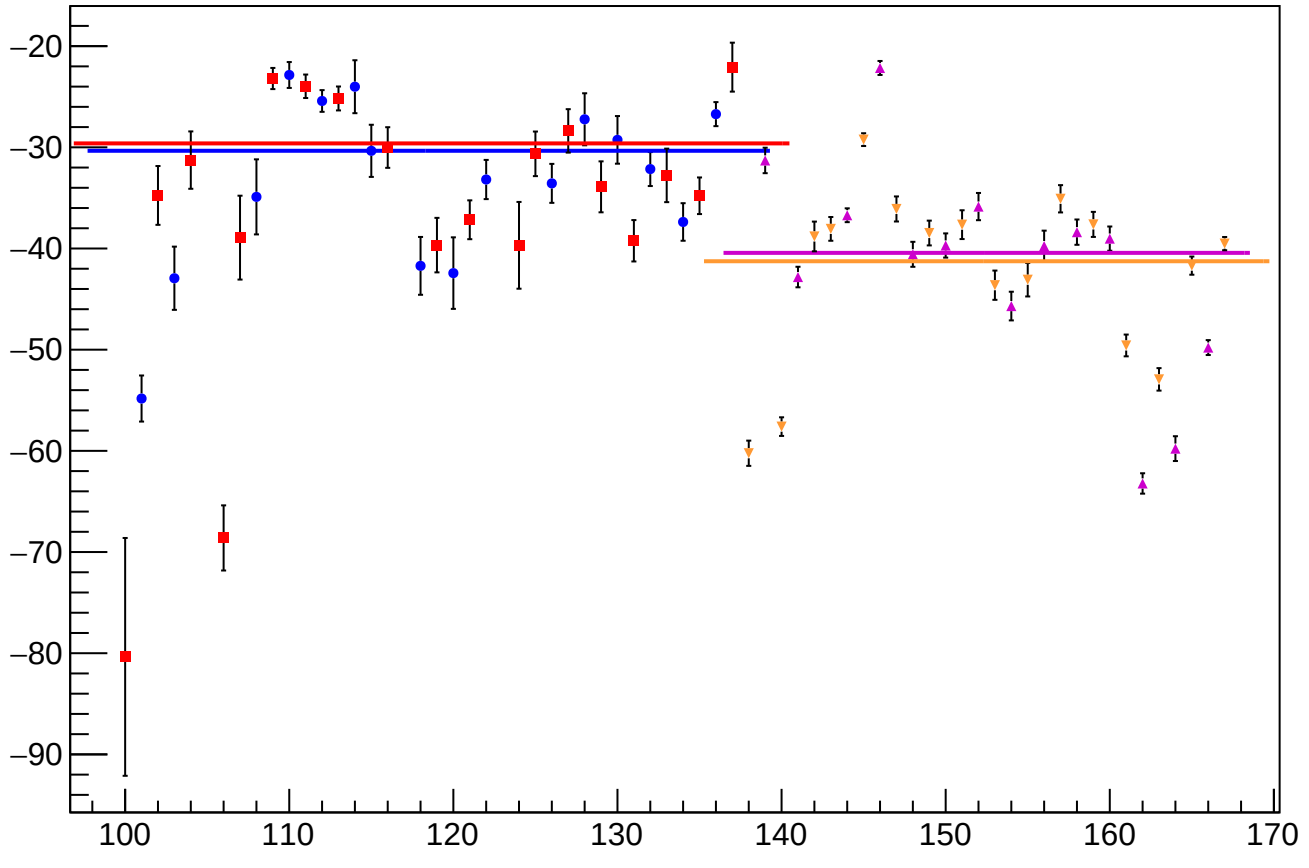
In: -163.431+/-0.548 χ^2/NDF:3299.6/29

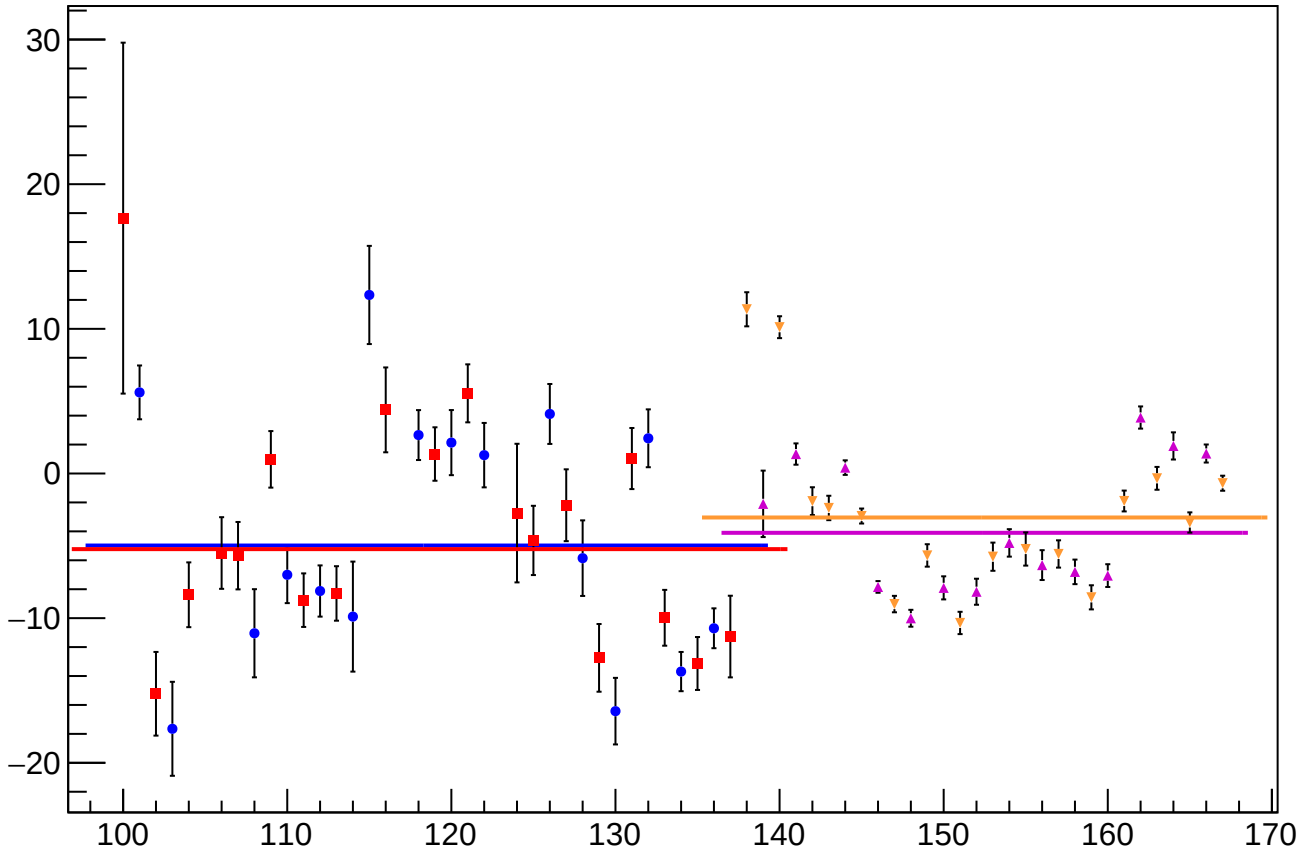
Out: -160.334+/-0.532 χ^2/NDF:3173.9/34

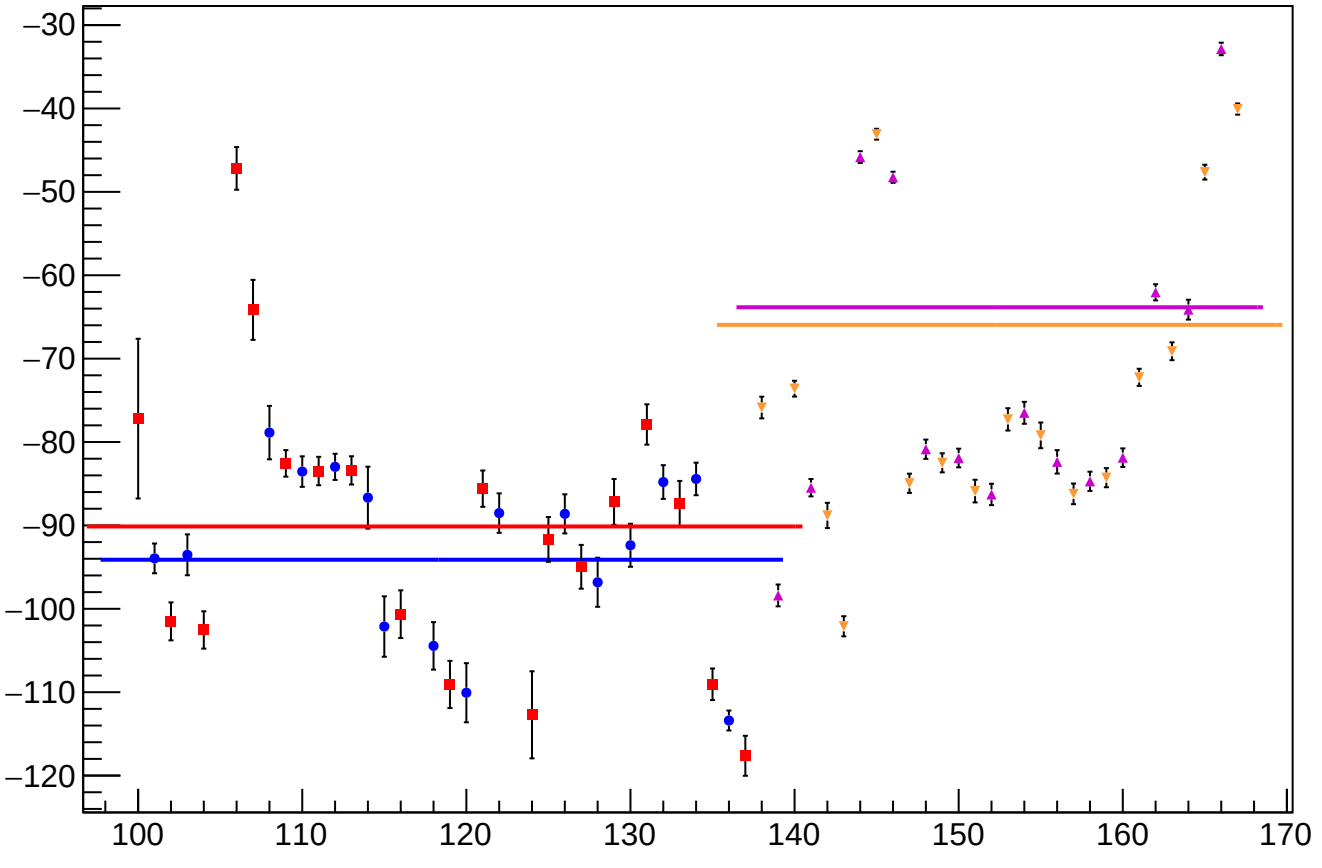
All: -161.837+/-0.381 χ^2/NDF: 6489.9/64


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -152.049+/-0.487 χ²/NDF:875.5/15
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -149.107+/-0.518 χ²/NDF:1602.7/13
Left: -150.671+/-0.355 χ²/NDF: 2495.3/29
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -150.616+/-0.477 χ²/NDF:2474.3/29
Out: -153.277+/-0.457 χ²/NDF:1801.6/34
All: -152.005+/-0.330 χ²/NDF: 4292.1/64


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.589+/-0.022 χ²/NDF:336.5/15
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.655+/-0.023 χ²/NDF:363.9/13
Left: 1.620+/-0.016 χ²/NDF: 704.6/29
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.513+/-0.022 χ²/NDF:881.9/29
Out: 1.451+/-0.021 χ²/NDF:1276.7/34
All: 1.481+/-0.015 χ²/NDF: 2162.6/64


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
170
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -41.260+/-0.261 χ²/NDF:1158.7/15
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -40.431+/-0.272 χ²/NDF:1738.5/13
Left: -40.862+/-0.189 χ²/NDF: 2902.0/29
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -37.879+/-0.235 χ²/NDF:2339.6/29
Out: -38.324+/-0.226 χ²/NDF:1987.9/34
All: -38.111+/-0.163 χ²/NDF: 4329.4/64


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: -3.041+/-0.186 χ²/NDF:762.7/15
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -4.100+/-0.188 χ²/NDF:622.6/13
Left: -3.566+/-0.132 χ²/NDF: 1401.3/29
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -4.205+/-0.176 χ²/NDF:862.5/29
Out: -3.287+/-0.176 χ²/NDF:914.7/34
All: -3.744+/-0.124 χ²/NDF: 1790.8/64



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -65.947+/-0.259 χ^2/NDF:5807.7/15

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -63.839+/-0.266 χ^2/NDF:5675.2/13

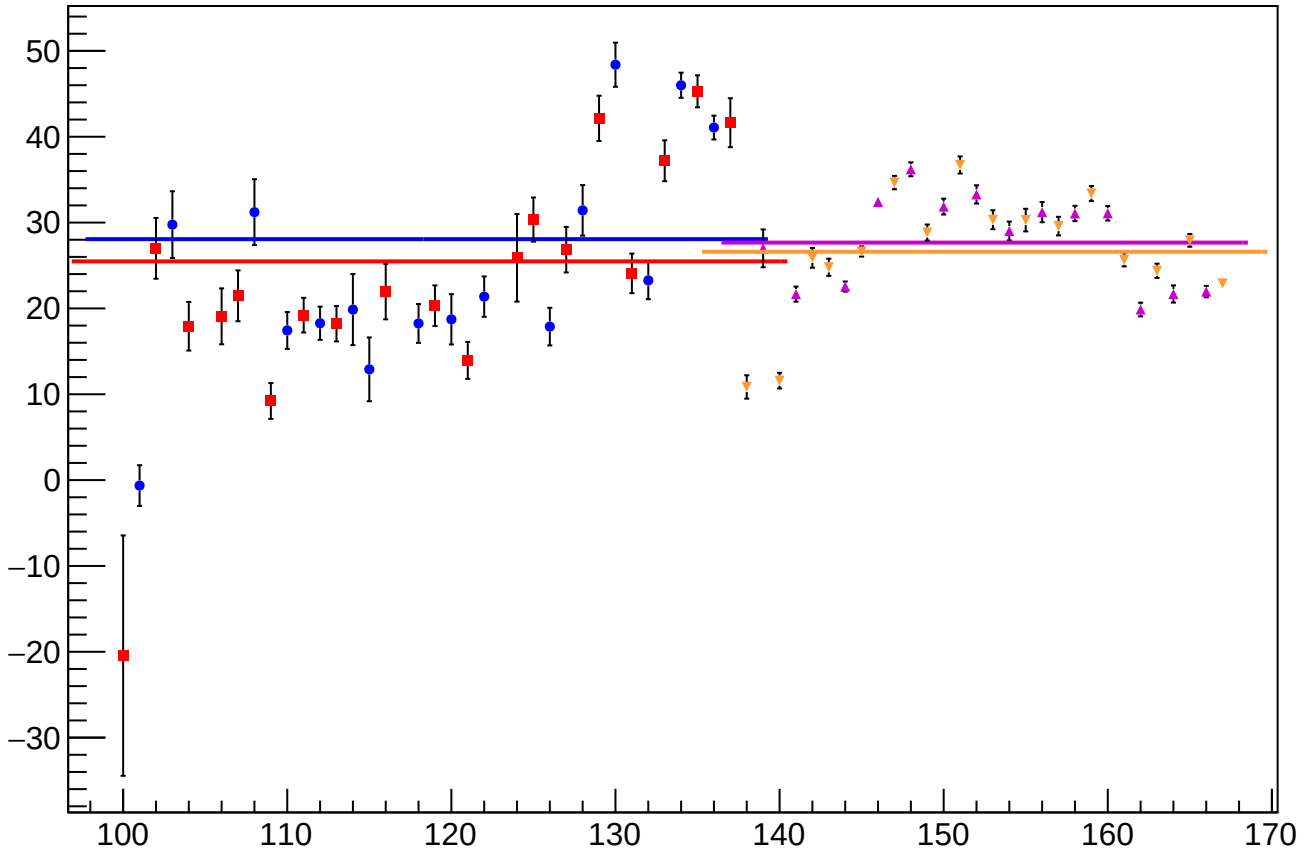
Left: -64.923+/-0.185 χ^2/NDF: 11515.2/29

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -69.809+/-0.238 χ^2/NDF:8693.7/29

Out: -70.421+/-0.234 χ^2/NDF:8213.5/34

All: -70.121+/-0.167 χ^2/NDF: 16910.6/64



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.600+/-0.214 χ^2/NDF:764.4/15

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 27.669+/-0.219 χ^2/NDF:613.0/13

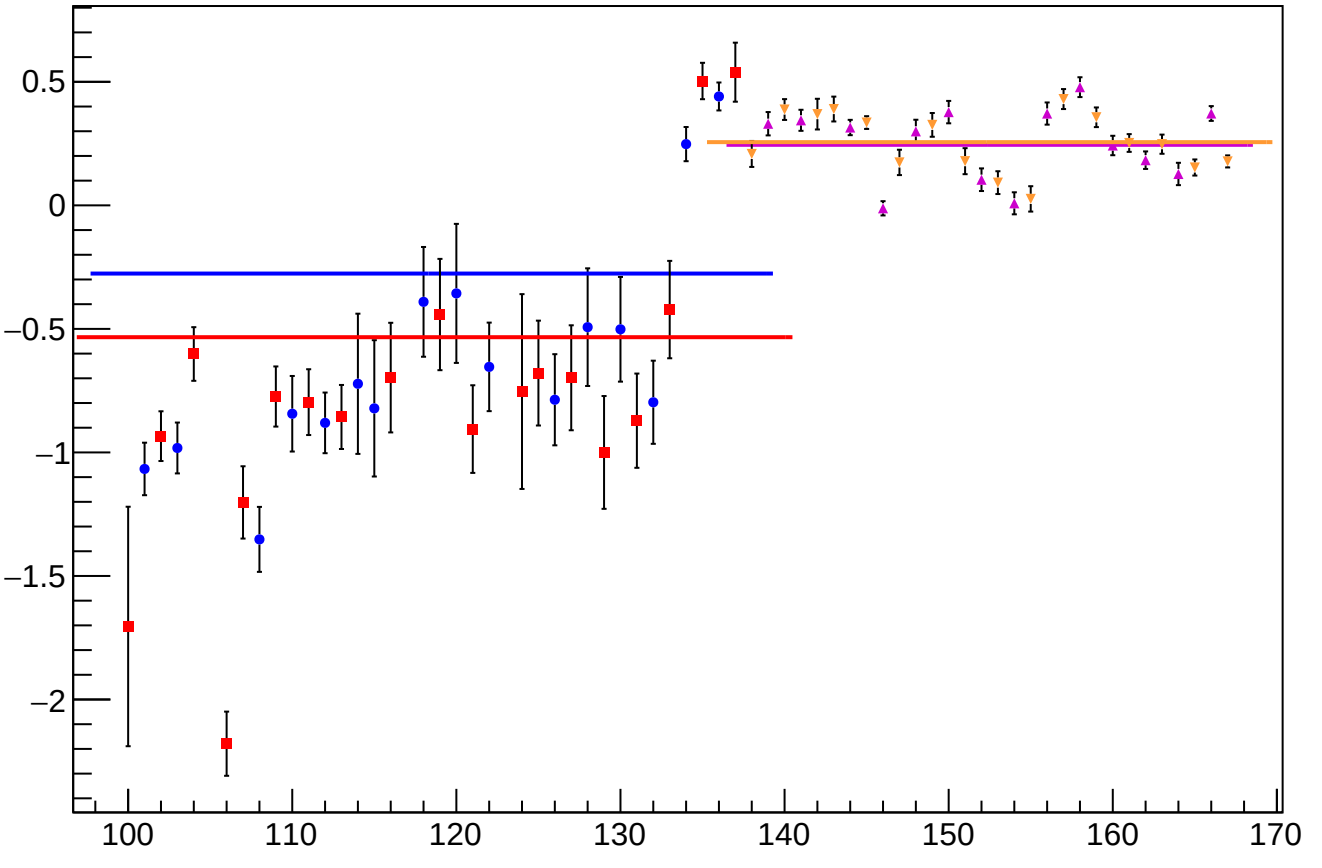
Left: 27.122+/-0.153 χ^2/NDF: 1389.5/29

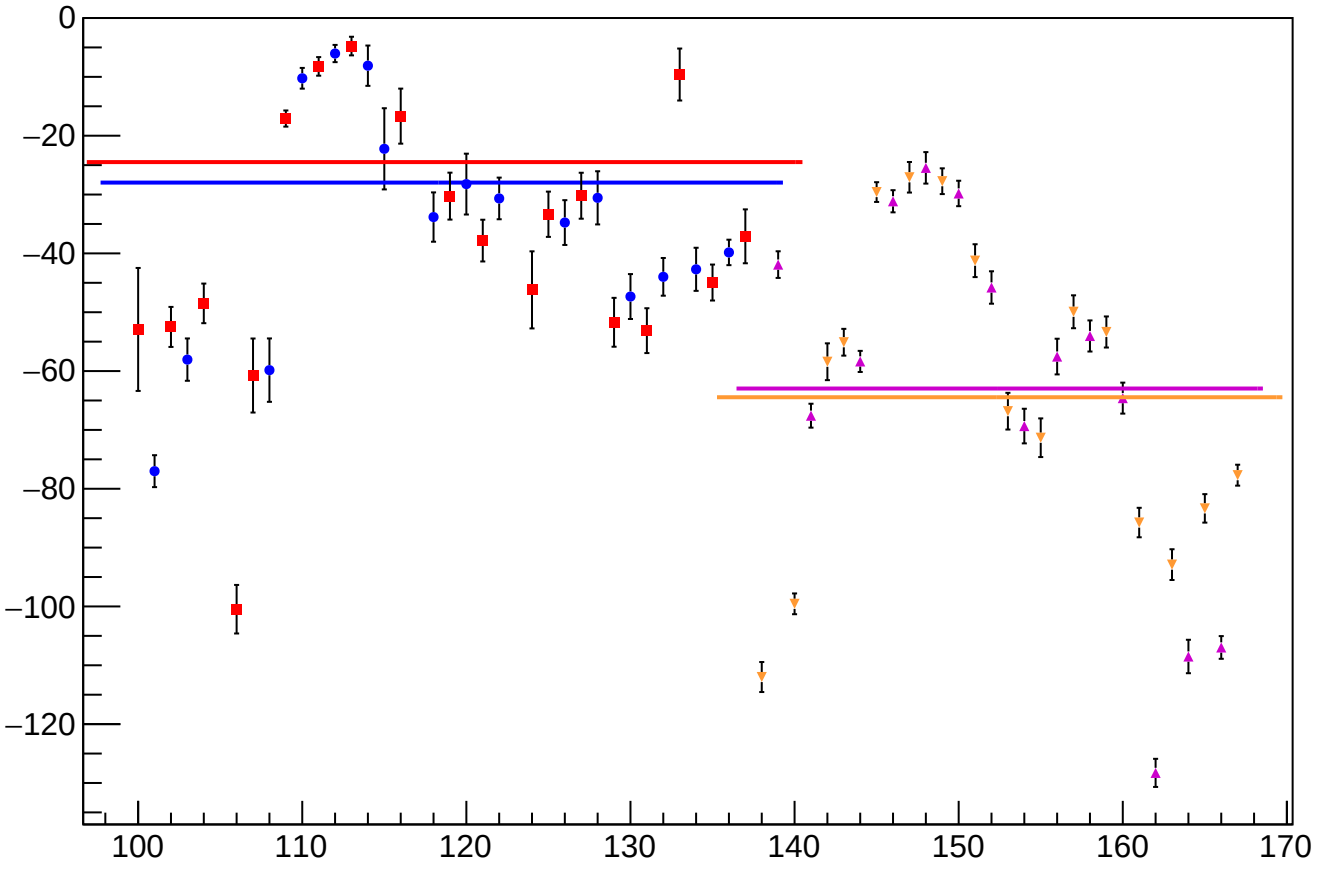
Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 27.721+/-0.205 χ^2/NDF:1196.5/29

Out: 26.469+/-0.202 χ^2/NDF:1122.2/34

All: 27.085+/-0.144 χ^2/NDF: 2337.7/64


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -0.276+/-0.031 χ²/NDF: 455.6/15
Left Out: 0.256+/-0.010 χ²/NDF:115.1/15
Right Out: -0.534+/-0.033 χ²/NDF: 510.3/18
Left In: 0.245+/-0.010 χ²/NDF:210.2/13
Left: 0.251+/-0.007 χ²/NDF: 325.8/29
Right: -0.396+/-0.022 χ²/NDF: 998.8/34
In: 0.192+/-0.010 χ²/NDF:925.4/29
Out: 0.191+/-0.009 χ²/NDF:1155.7/34
All: 0.191+/-0.007 χ²/NDF: 2081.1/64



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -64.448+/-0.590 χ^2/NDF:2109.4/15

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -62.966+/-0.621 χ^2/NDF:2397.5/13

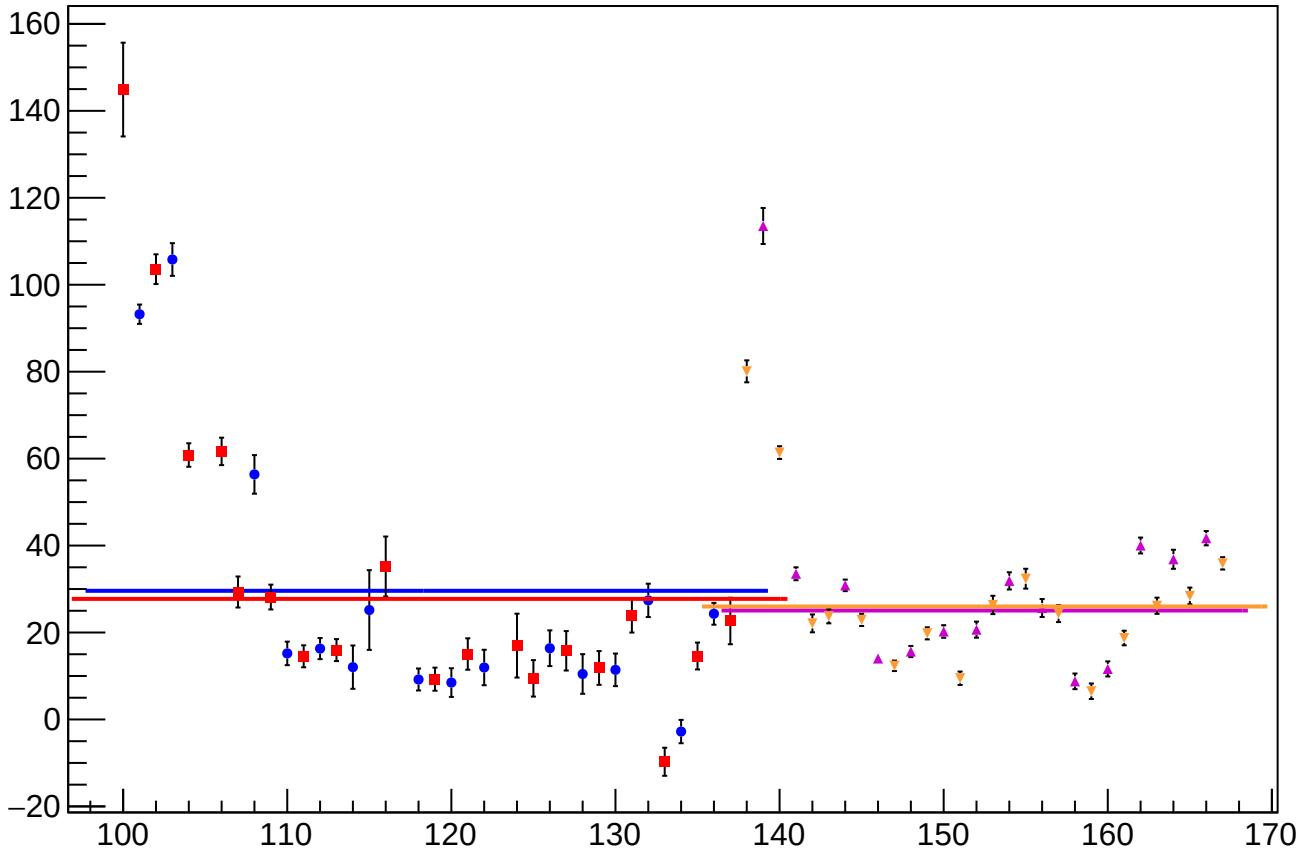
Left: -63.744+/-0.428 χ^2/NDF: 4509.9/29

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -48.221+/-0.472 χ^2/NDF:4631.2/29

Out: -46.772+/-0.441 χ^2/NDF:5126.2/34

All: -47.447+/-0.322 χ^2/NDF: 9762.4/64



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 25.985+/-0.417 χ^2/NDF:1509.5/15

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 25.061+/-0.438 χ^2/NDF:1022.7/13

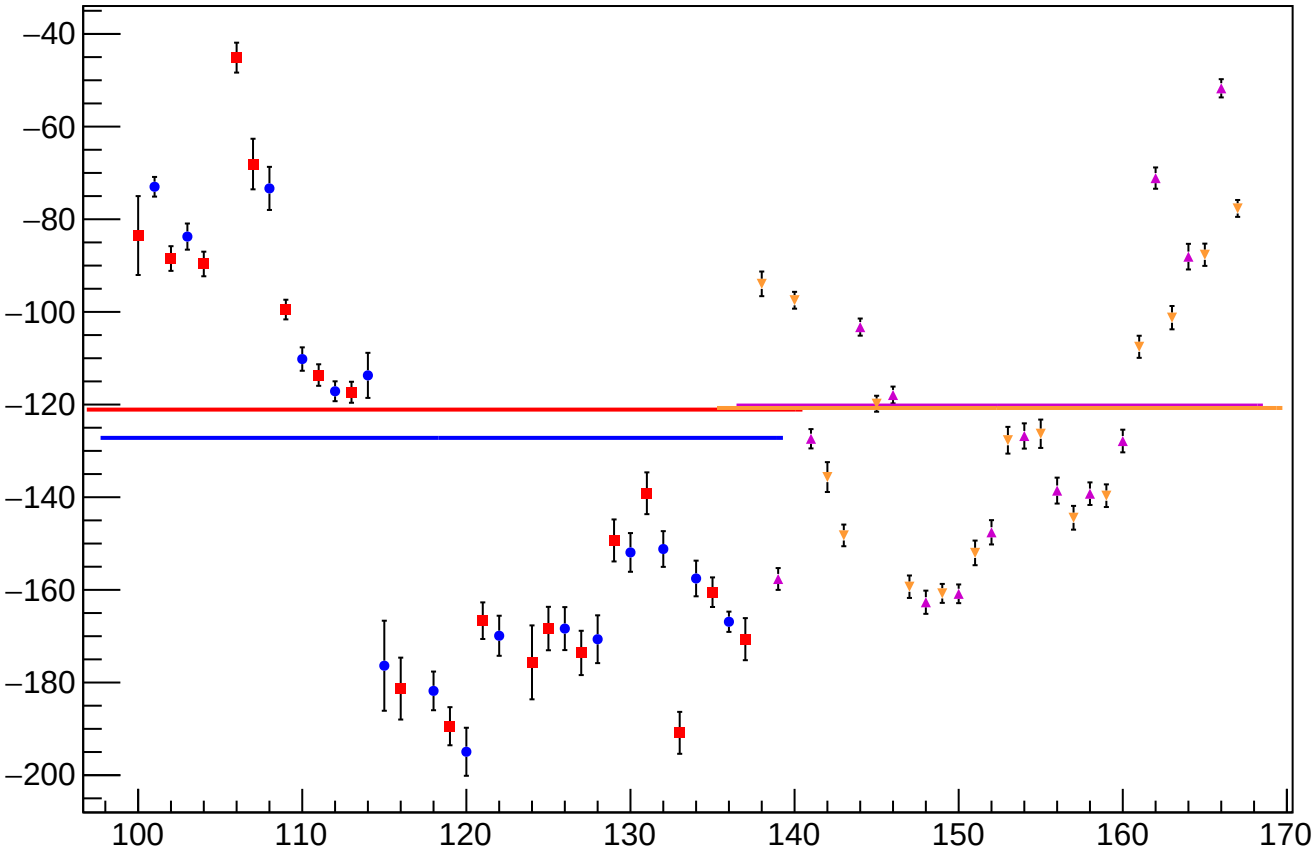
Left: 25.546+/-0.302 χ^2/NDF: 2534.6/29

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 26.091+/-0.385 χ^2/NDF:2712.8/29

Out: 26.361+/-0.369 χ^2/NDF:2698.4/34

All: 26.231+/-0.266 χ^2/NDF: 5411.4/64



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -120.737+/-0.581 χ^2/NDF:2192.9/15

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -120.214+/-0.605 χ^2/NDF:3071.3/13

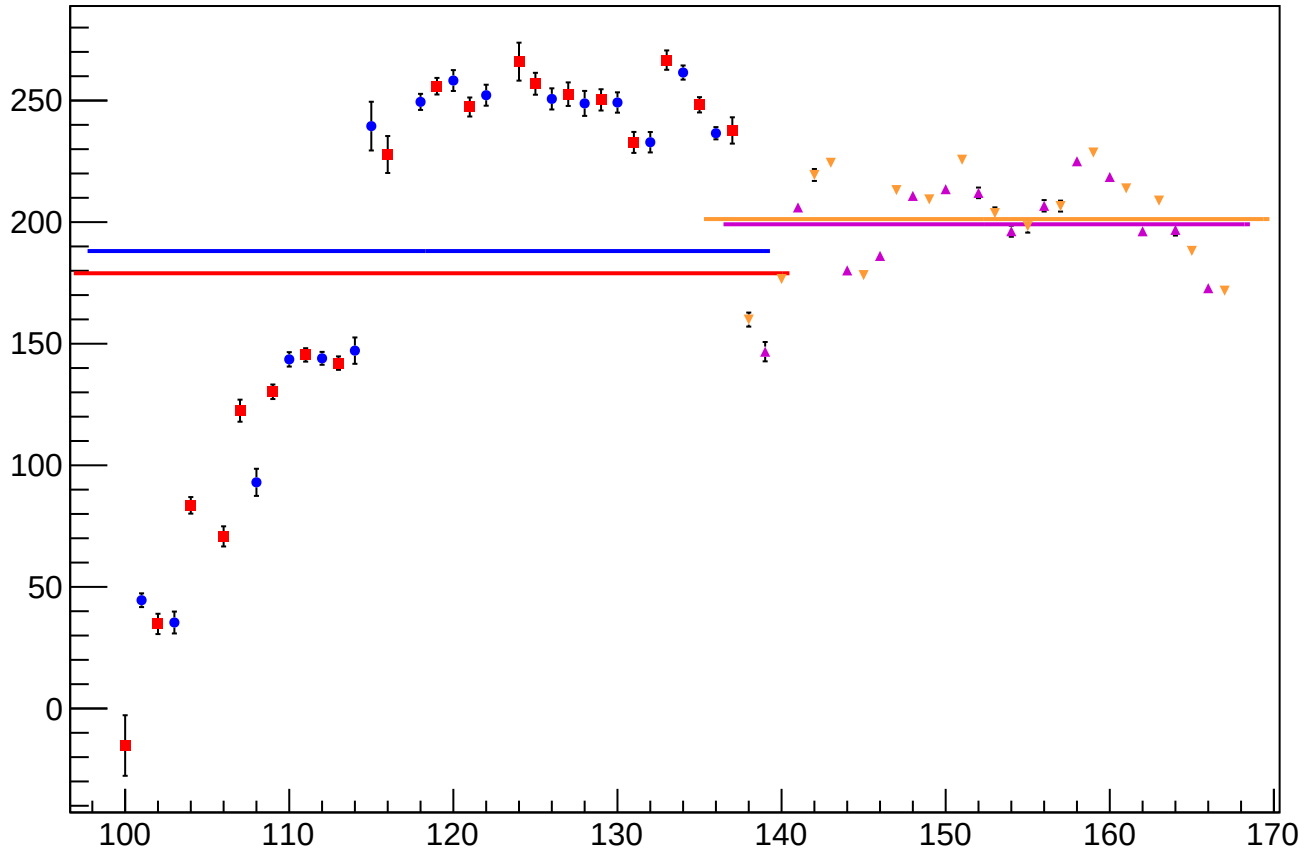
Left: -120.486+/-0.419 χ^2/NDF: 5264.6/29

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -122.636+/-0.489 χ^2/NDF:5295.7/29

Out: -120.858+/-0.470 χ^2/NDF:4590.3/34

All: -121.711+/-0.339 χ^2/NDF: 9892.9/64



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.258+/-0.483 χ^2/NDF:1721.5/15

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 199.111+/-0.506 χ^2/NDF:1108.6/13

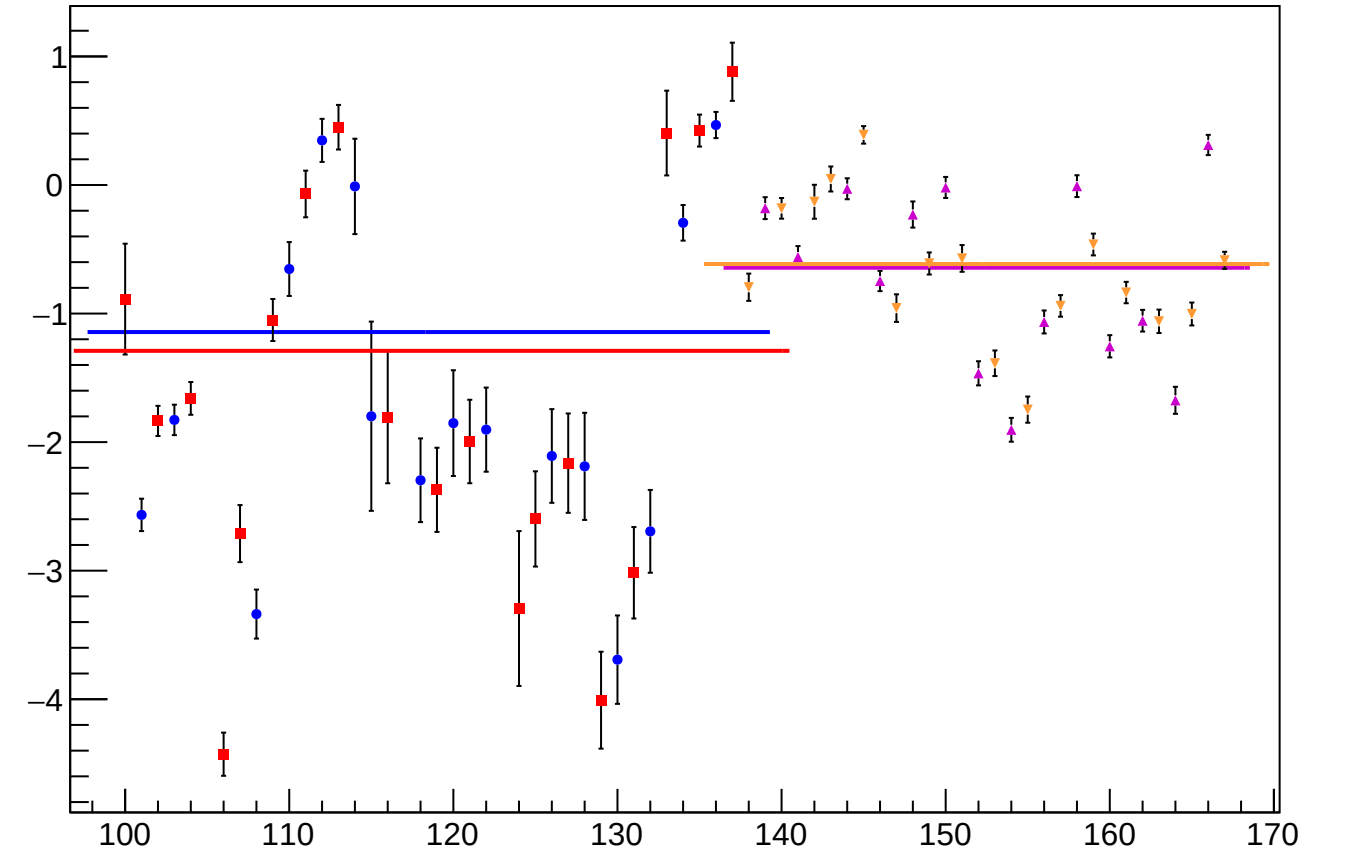
Left: 200.235+/-0.350 χ^2/NDF: 2839.5/29

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 196.544+/-0.443 χ^2/NDF:8337.4/29

Out: 196.340+/-0.427 χ^2/NDF:8859.8/34

All: 196.438+/-0.307 χ^2/NDF: 17197.3/64



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.615+/-0.022 χ^2/NDF:571.5/15

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.644+/-0.023 χ^2/NDF:821.1/13

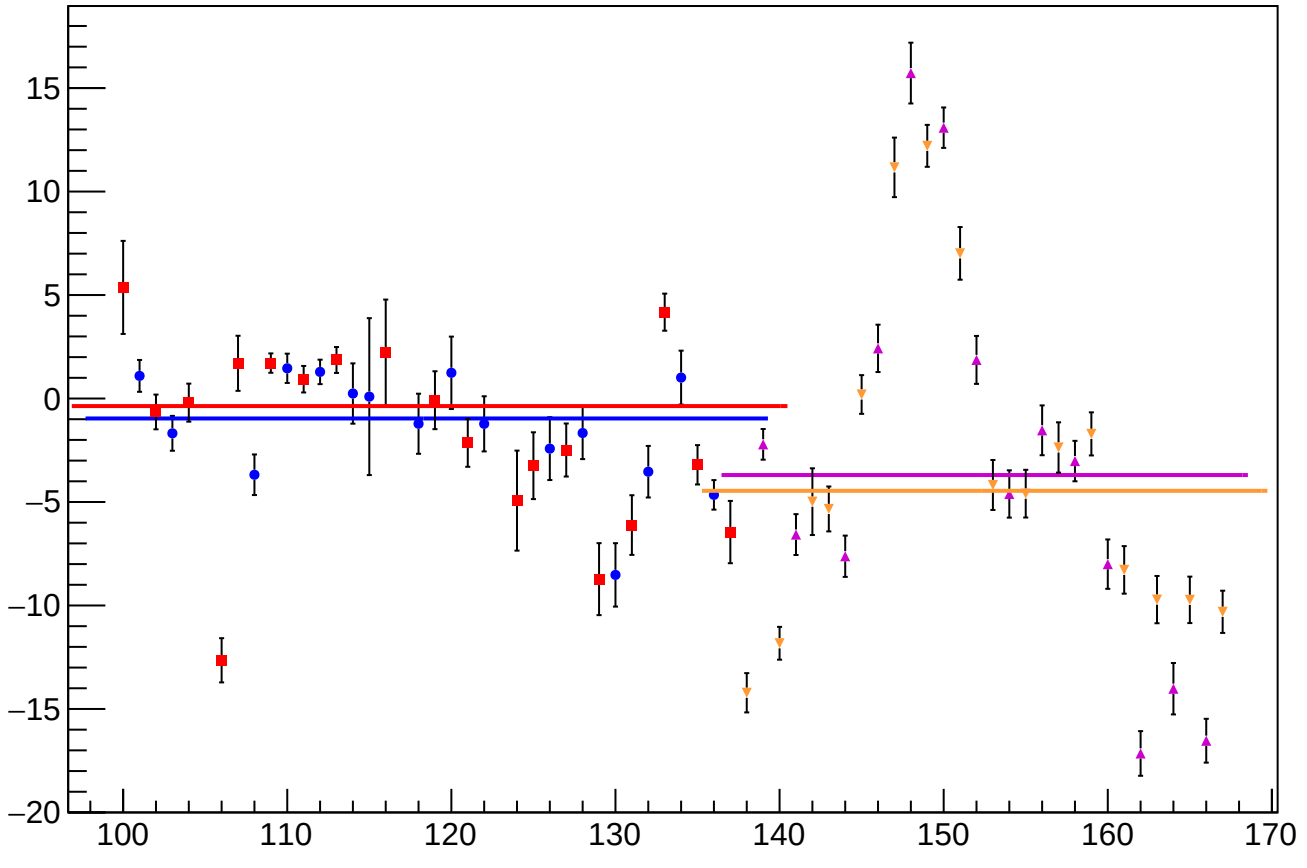
Left: -0.629+/-0.016 χ^2/NDF: 1393.4/29

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.738+/-0.021 χ^2/NDF:1696.5/29

Out: -0.736+/-0.020 χ^2/NDF:1735.9/34

All: -0.737+/-0.014 χ^2/NDF: 3432.4/64



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.459+/-0.272 χ^2/NDF:784.5/15

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -3.697+/-0.283 χ^2/NDF:938.6/13

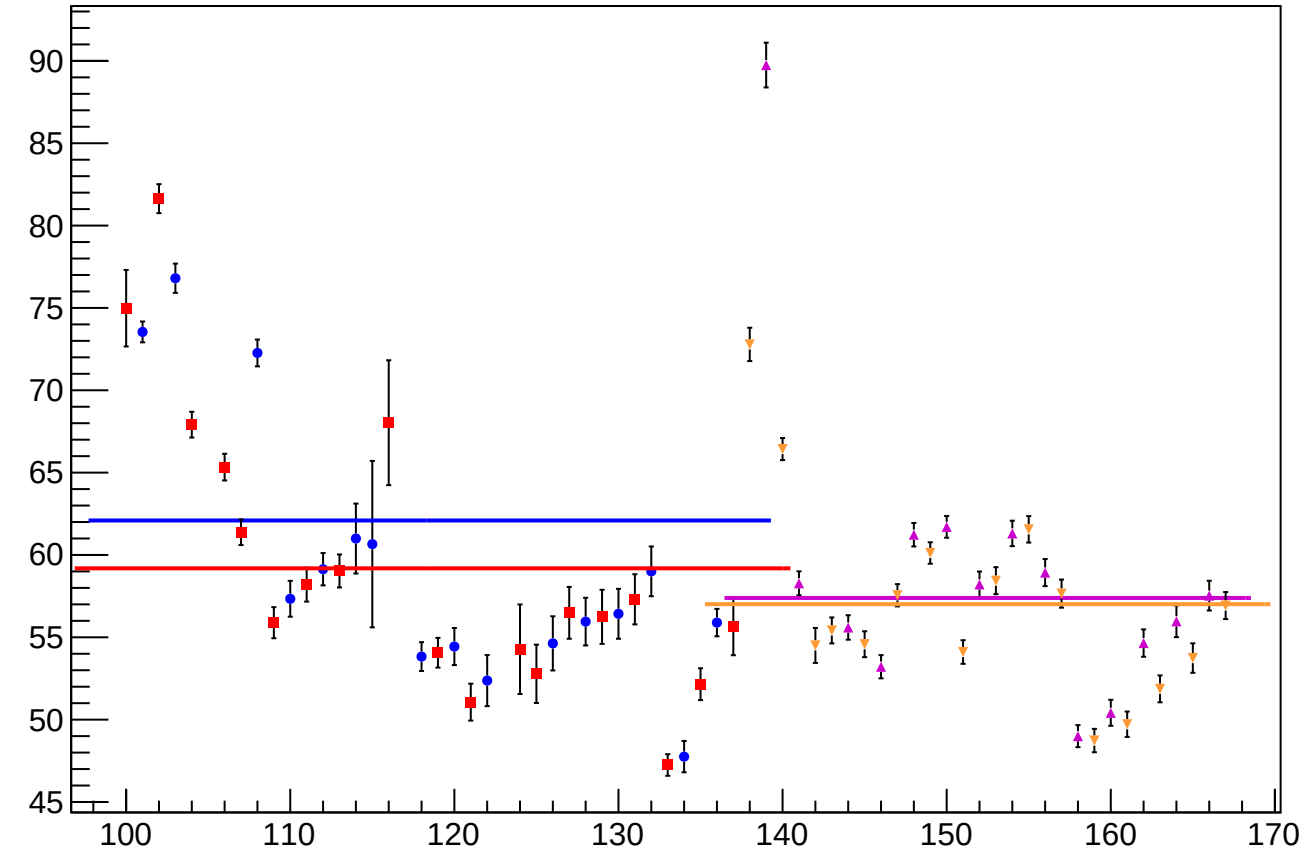
Left: -4.093+/-0.196 χ^2/NDF: 1726.8/29

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -2.179+/-0.189 χ^2/NDF:1093.5/29

Out: -2.014+/-0.173 χ^2/NDF:1200.0/34

All: -2.089+/-0.127 χ^2/NDF: 2293.9/64



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.010+/-0.196 χ^2/NDF:814.0/15

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.389+/-0.209 χ^2/NDF:959.8/13

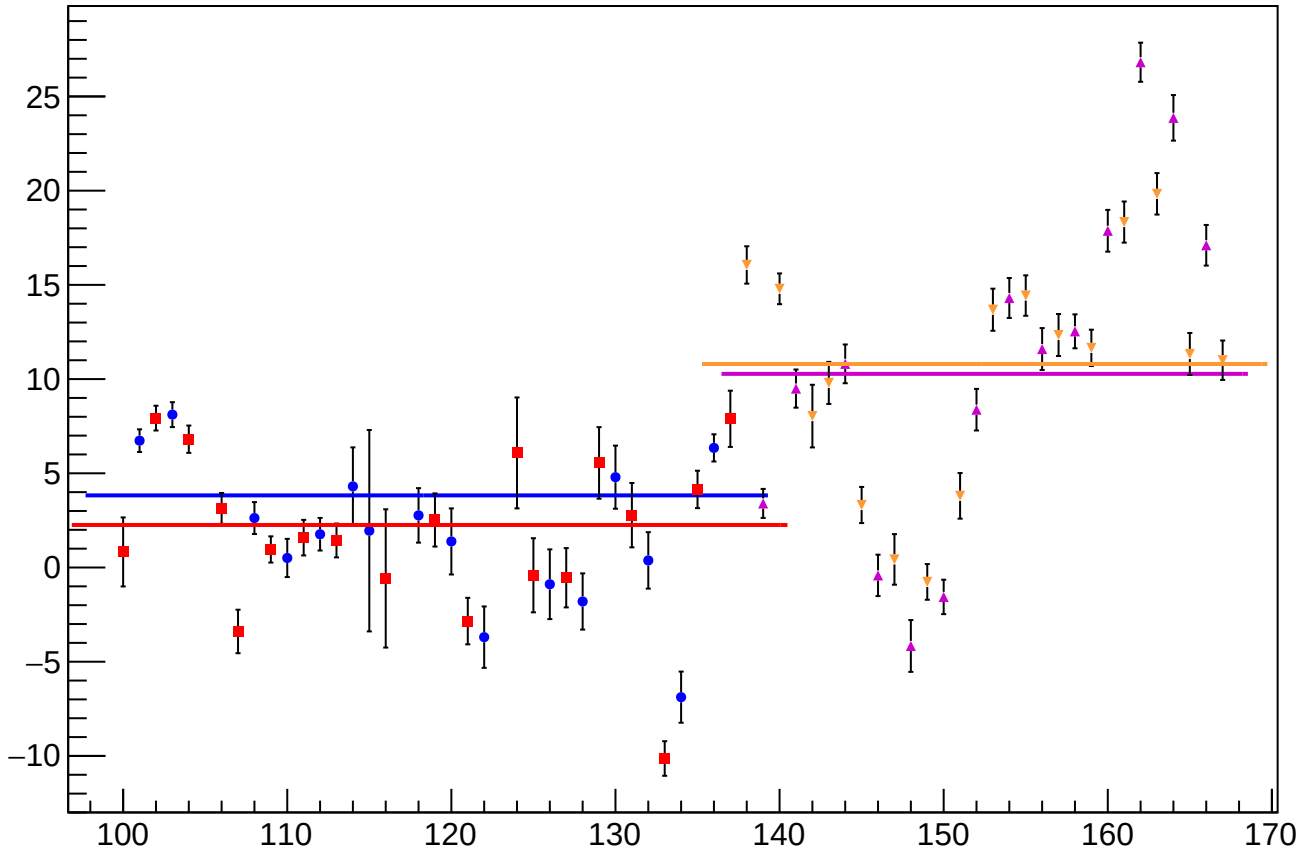
Left: 57.187+/-0.143 χ^2/NDF: 1775.5/29

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.189+/-0.164 χ^2/NDF:2455.1/29

Out: 57.863+/-0.153 χ^2/NDF:2264.7/34

All: 58.478+/-0.112 χ^2/NDF: 4754.8/64



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 10.801+/-0.267 χ^2/NDF:494.8/15

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 10.278+/-0.275 χ^2/NDF:946.1/13

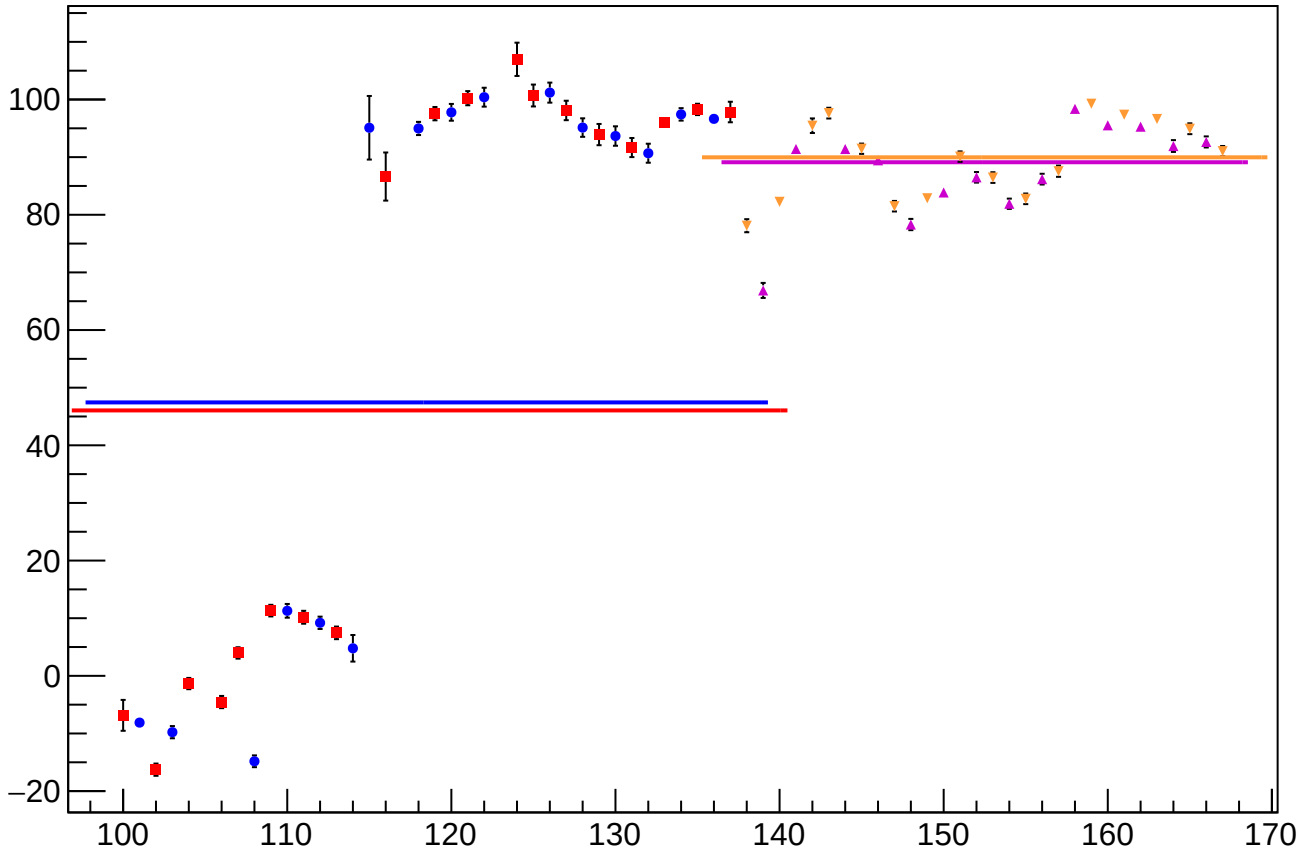
Left: 10.547+/-0.192 χ^2/NDF: 1442.8/29

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 6.934+/-0.191 χ^2/NDF:1439.4/29

Out: 6.192+/-0.181 χ^2/NDF:1420.2/34

All: 6.543+/-0.131 χ^2/NDF: 2867.6/64



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.969+/-0.224 χ^2/NDF:869.1/15

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.113+/-0.237 χ^2/NDF:859.9/13

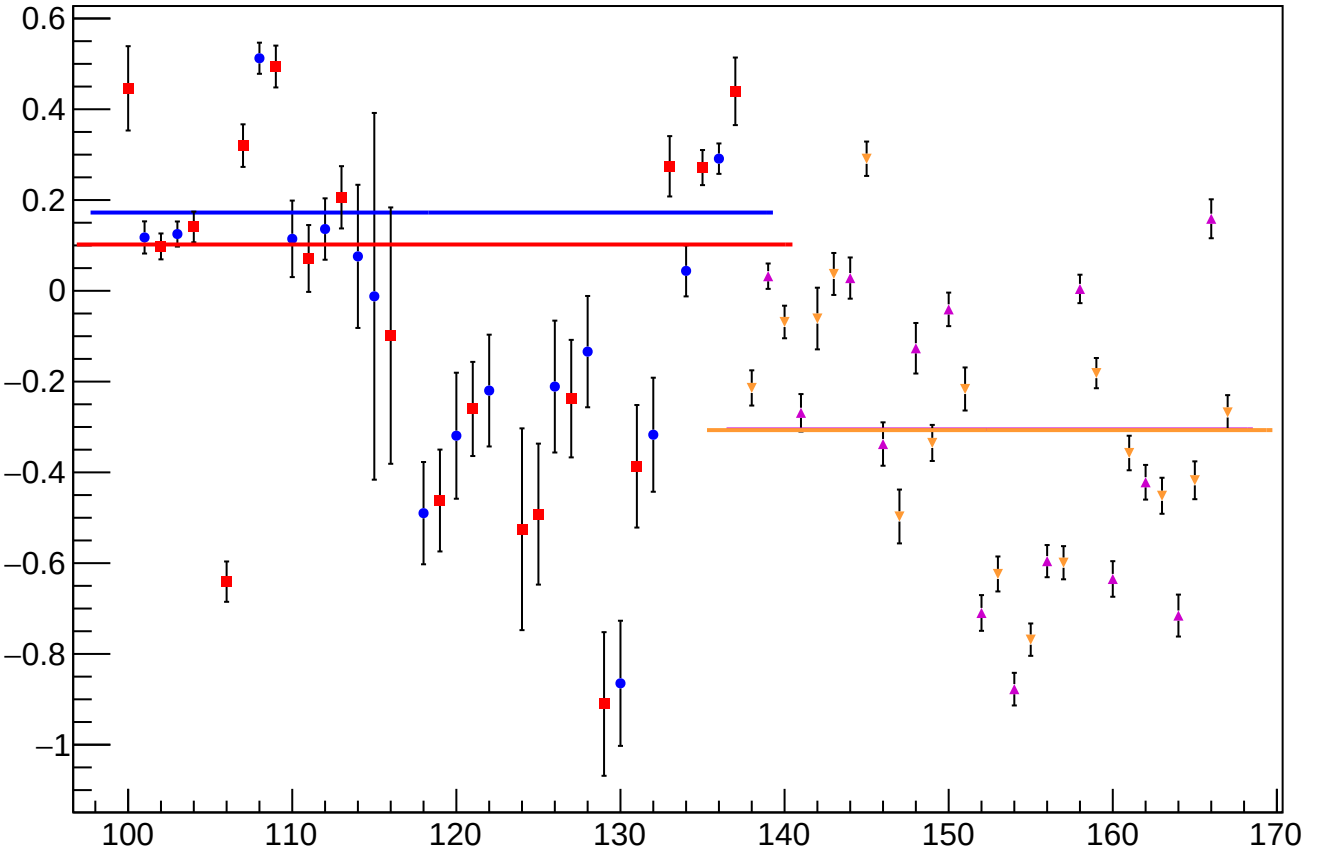
Left: 89.565+/-0.163 χ^2/NDF: 1735.8/29

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 73.589+/-0.188 χ^2/NDF:39227.6/29

Out: 73.114+/-0.176 χ^2/NDF:44456.5/34

All: 73.336+/-0.129 χ^2/NDF: 83687.5/64



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.307+/-0.010 χ^2/NDF:718.5/15

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.305+/-0.010 χ^2/NDF:1062.0/13

Left: -0.306+/-0.007 χ^2/NDF: 1780.4/29

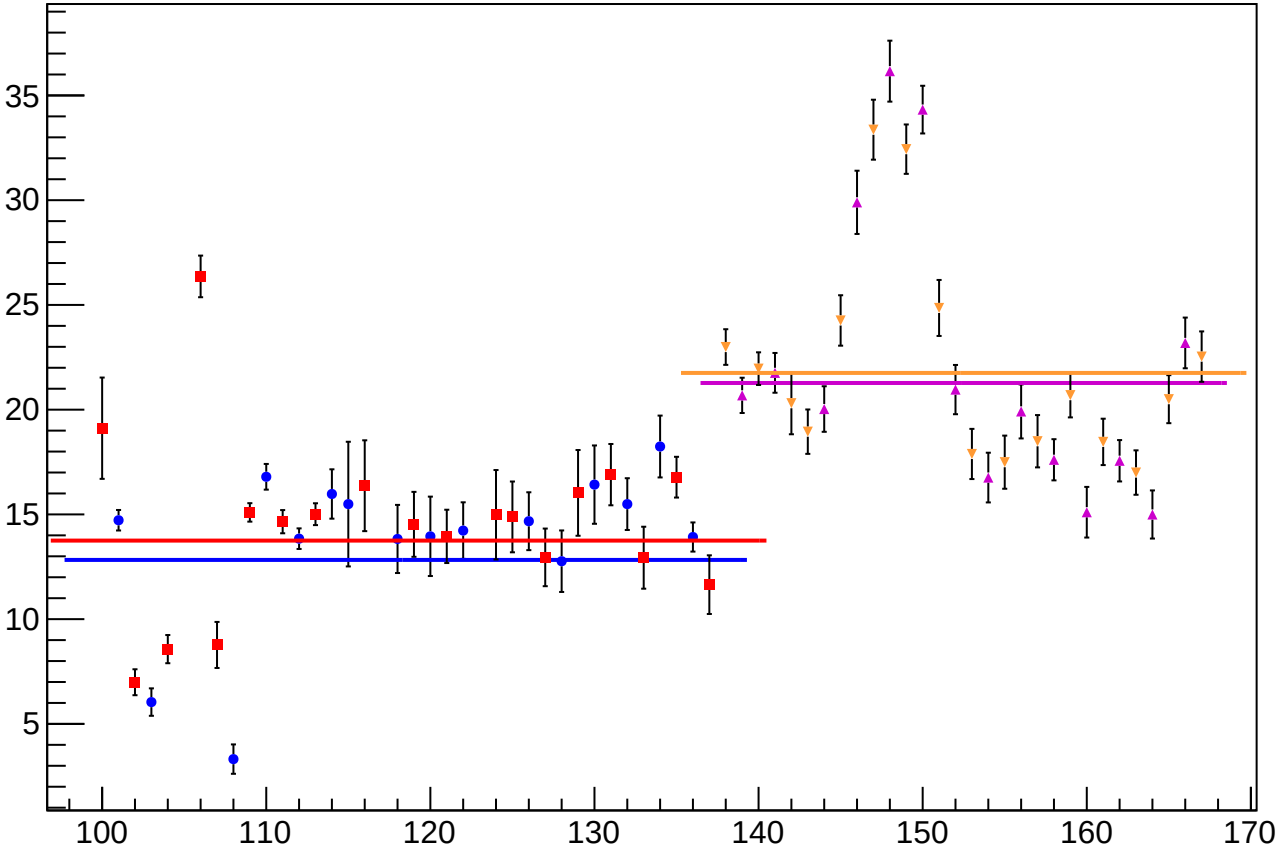
Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.140+/-0.008 χ^2/NDF:2072.5/29

Out: -0.160+/-0.008 χ^2/NDF:1869.9/34

All: -0.150+/-0.006 χ^2/NDF: 3945.5/64

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.754+/-0.279 χ^2/NDF:227.9/15

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.274+/-0.298 χ^2/NDF:372.9/13

Left: 21.530+/-0.204 χ^2/NDF: 602.2/29

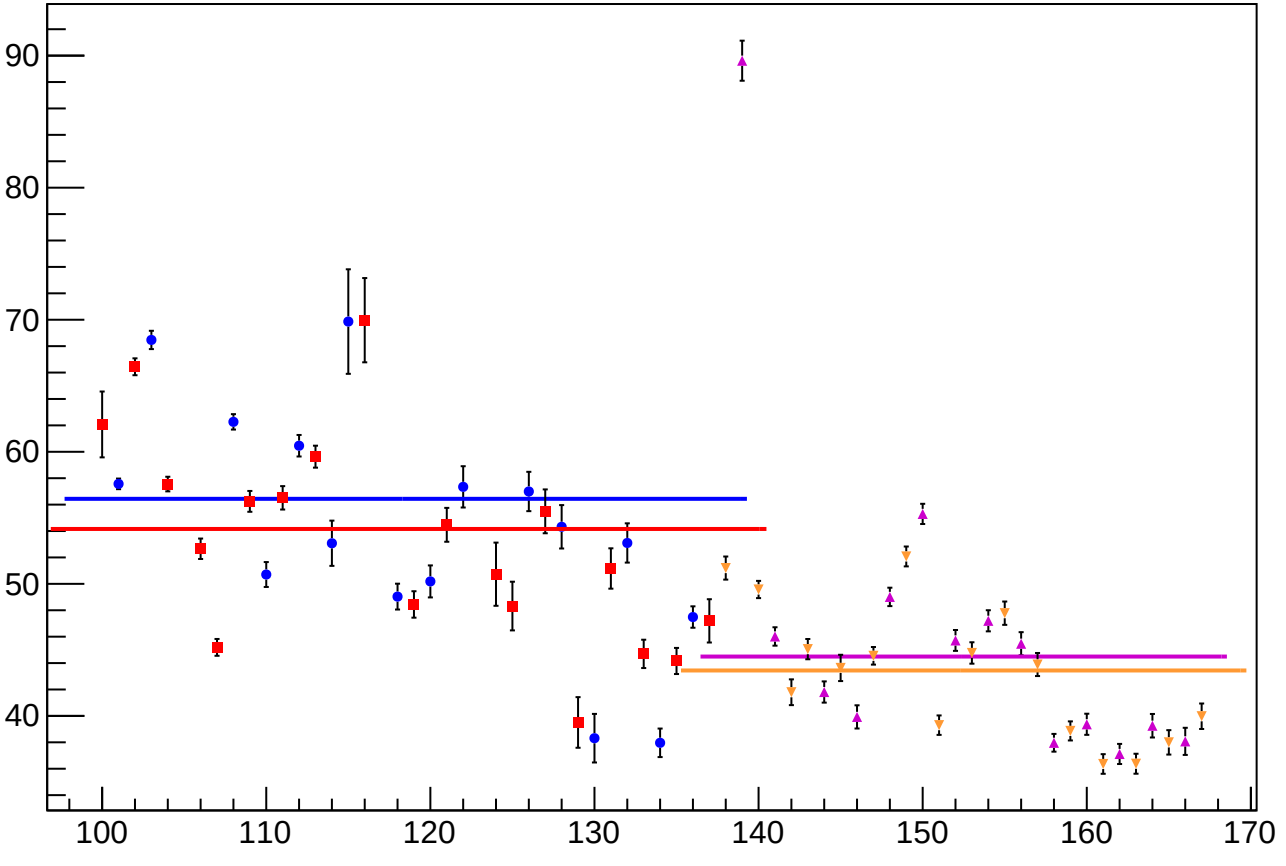
Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.704+/-0.174 χ^2/NDF:1291.2/29

Out: 16.539+/-0.165 χ^2/NDF:1167.6/34

All: 16.144+/-0.120 χ^2/NDF: 2471.0/64

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.440+/-0.200 χ^2/NDF:633.1/15

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 44.495+/-0.217 χ^2/NDF:1486.9/13

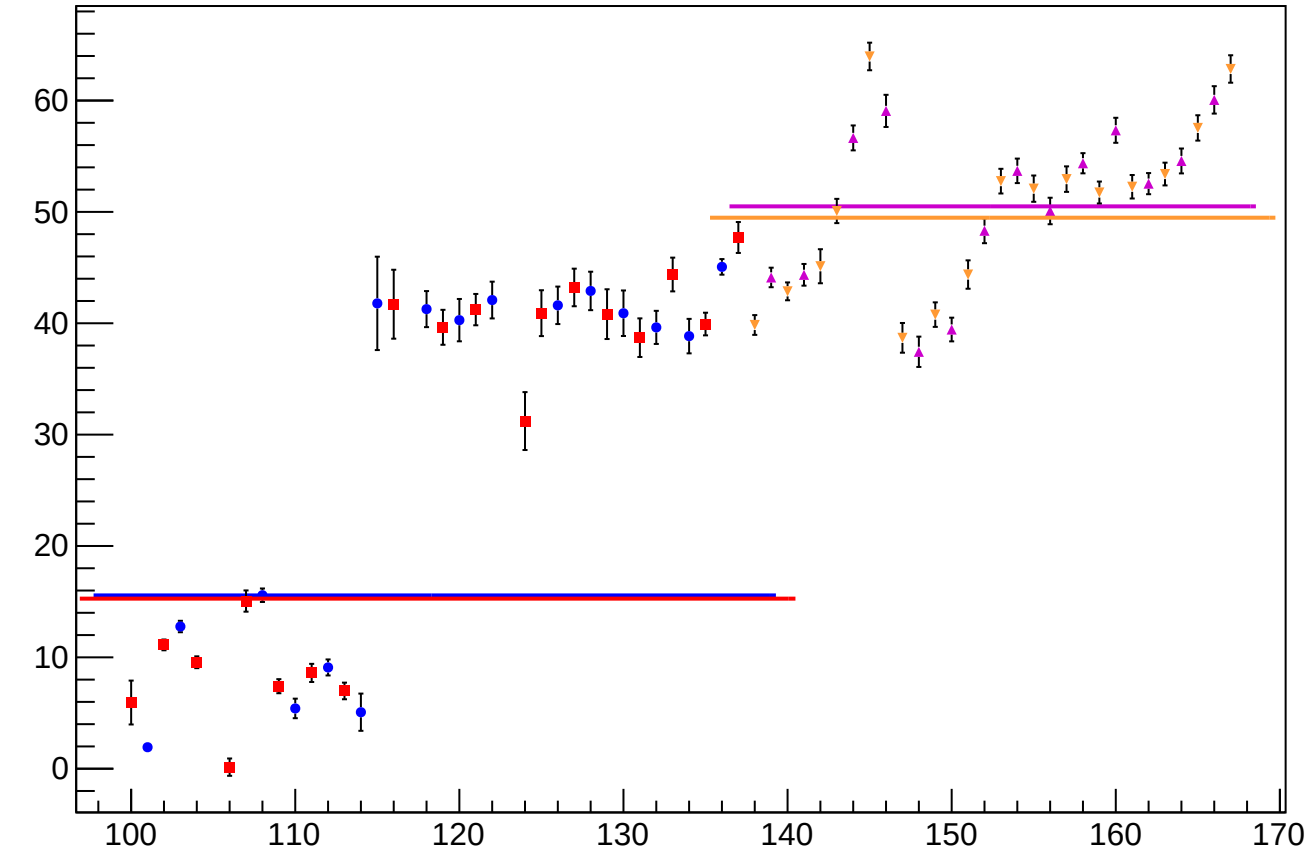
Left: 43.924+/-0.147 χ^2/NDF: 2132.8/29

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 50.328+/-0.155 χ^2/NDF:4058.0/29

Out: 48.169+/-0.149 χ^2/NDF:2912.3/34

All: 49.207+/-0.107 χ^2/NDF: 7071.0/64



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 49.479+/-0.274 χ^2/NDF:691.9/15

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 50.497+/-0.289 χ^2/NDF:504.1/13

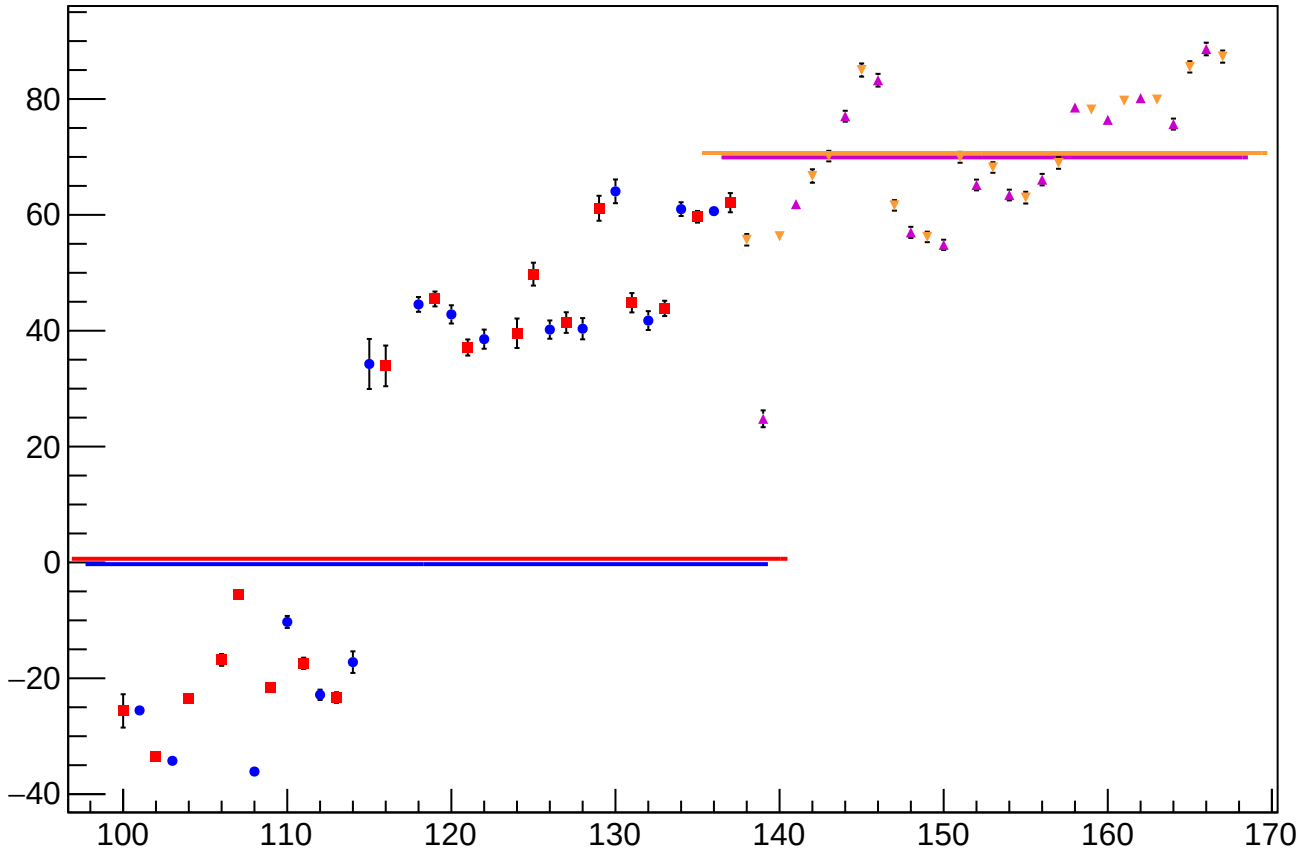
Left: 49.960+/-0.199 χ^2/NDF: 1202.5/29

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 27.926+/-0.172 χ^2/NDF:15113.9/29

Out: 28.640+/-0.171 χ^2/NDF:14087.9/34

All: 28.285+/-0.121 χ^2/NDF: 29210.5/64



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 70.678+/-0.229 χ^2/NDF:2008.2/15

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 69.924+/-0.246 χ^2/NDF:2526.9/13

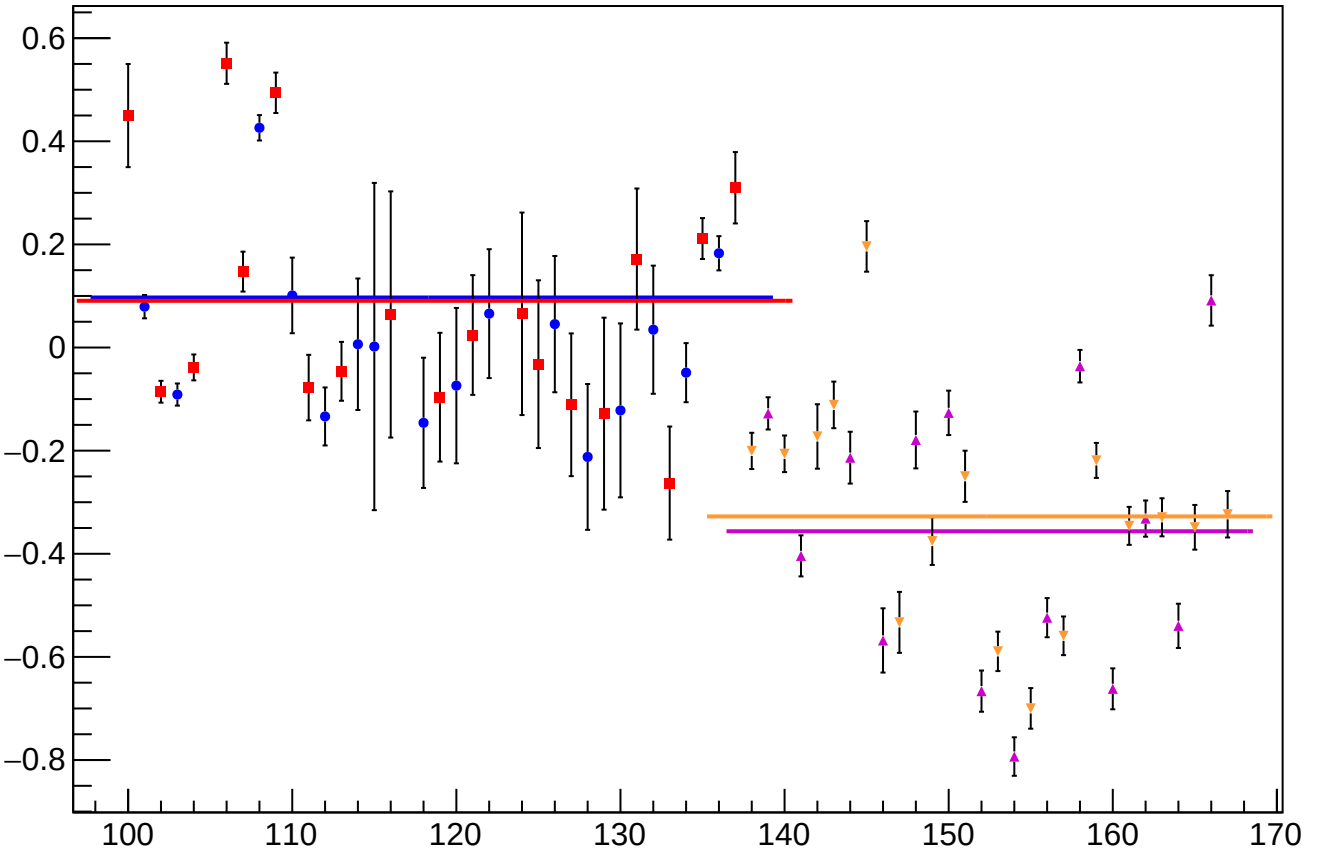
Left: 70.328+/-0.168 χ^2/NDF: 4540.1/29

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 36.898+/-0.179 χ^2/NDF:61781.3/29

Out: 40.484+/-0.173 χ^2/NDF:58206.1/34

All: 38.754+/-0.125 χ^2/NDF: 120194.5/64



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.328+/-0.010 χ^2/NDF:368.7/15

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.356+/-0.011 χ^2/NDF:594.6/13

Left: -0.341+/-0.007 χ^2/NDF: 967.0/29

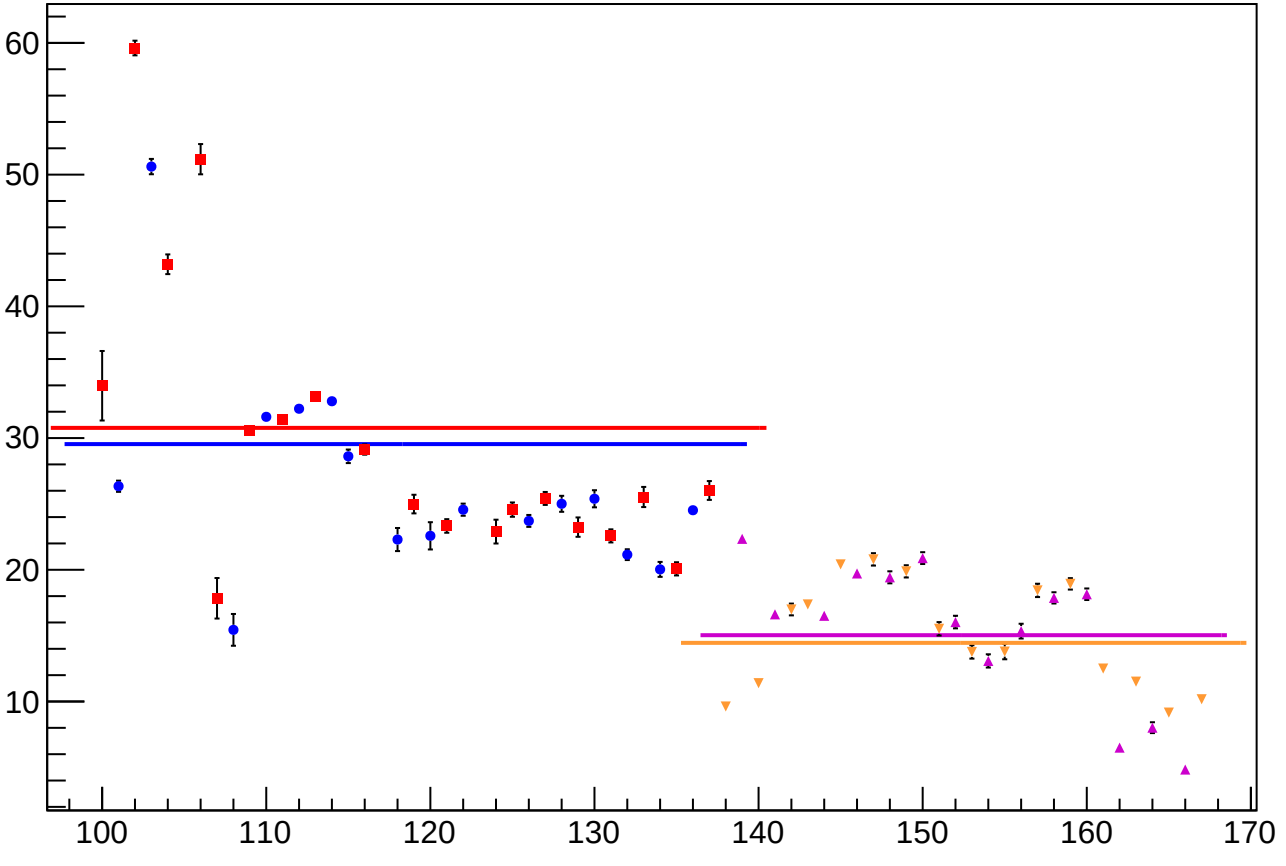
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.139+/-0.008 χ^2/NDF:1743.6/29

Out: -0.138+/-0.008 χ^2/NDF:1506.0/34

All: -0.139+/-0.005 χ^2/NDF: 3249.6/64

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 14.453+/-0.095 χ^2/NDF:1921.1/15

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 15.034+/-0.102 χ^2/NDF:2934.2/13

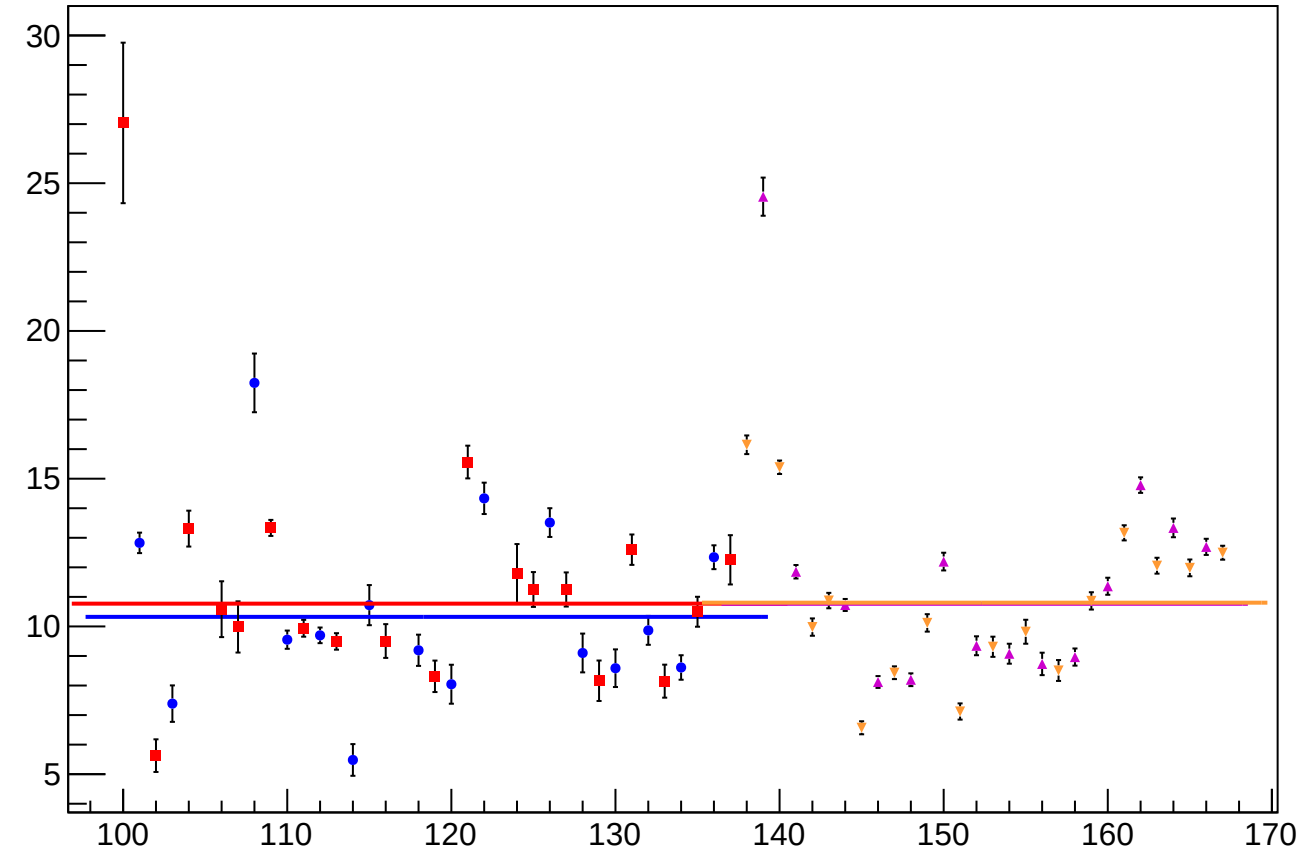
Left: 14.722+/-0.070 χ^2/NDF: 4872.6/29

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 23.069+/-0.068 χ^2/NDF:17410.9/29

Out: 24.003+/-0.061 χ^2/NDF:24202.2/34

All: 23.587+/-0.046 χ^2/NDF: 41716.2/64



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.804+/-0.068 χ^2/NDF:1614.1/15

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.766+/-0.072 χ^2/NDF:1281.5/13

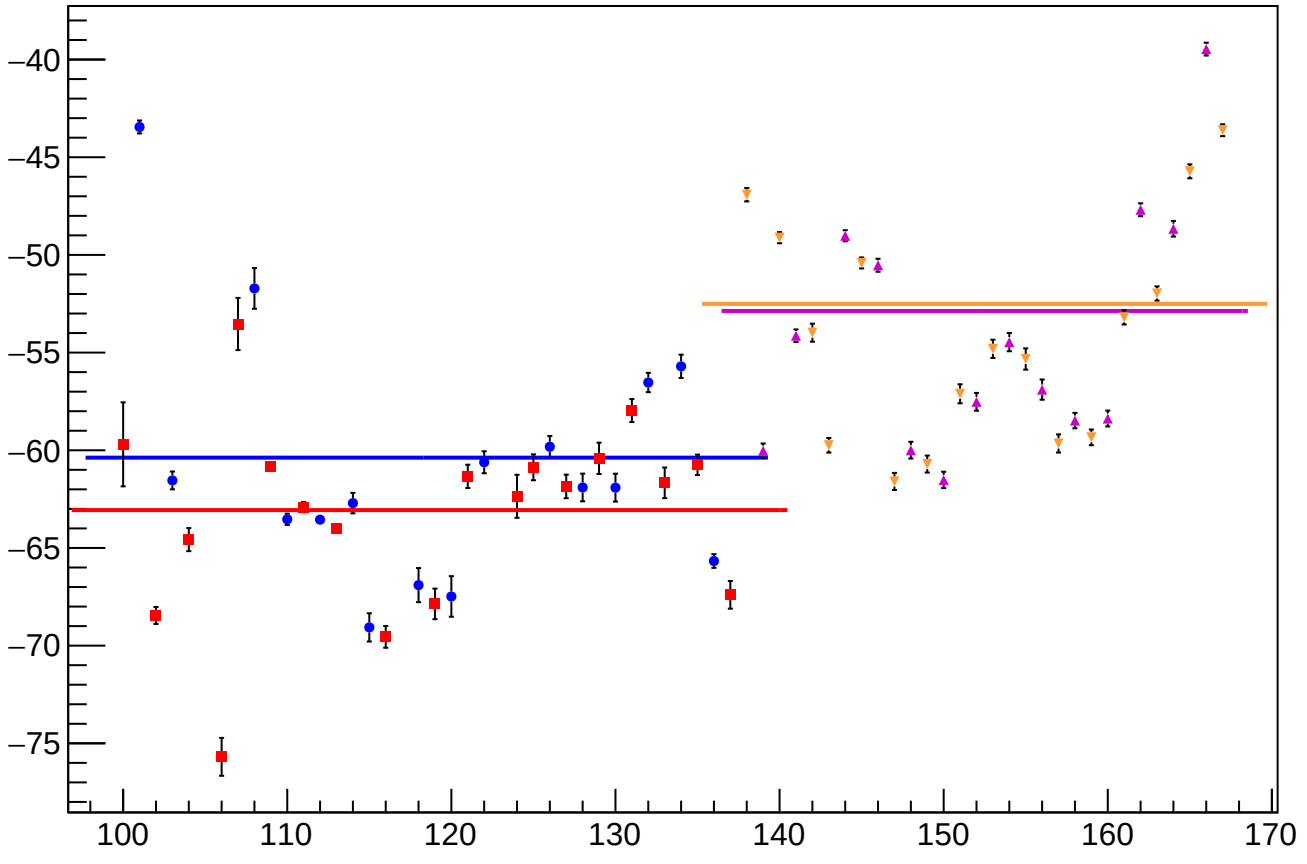
Left: 10.786+/-0.050 χ^2/NDF: 2895.8/29

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.638+/-0.061 χ^2/NDF:1694.9/29

Out: 10.795+/-0.058 χ^2/NDF:2030.0/34

All: 10.721+/-0.042 χ^2/NDF: 3728.3/64



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -52.507+/-0.094 χ^2/NDF:3524.2/15

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -52.869+/-0.100 χ^2/NDF:3897.6/13

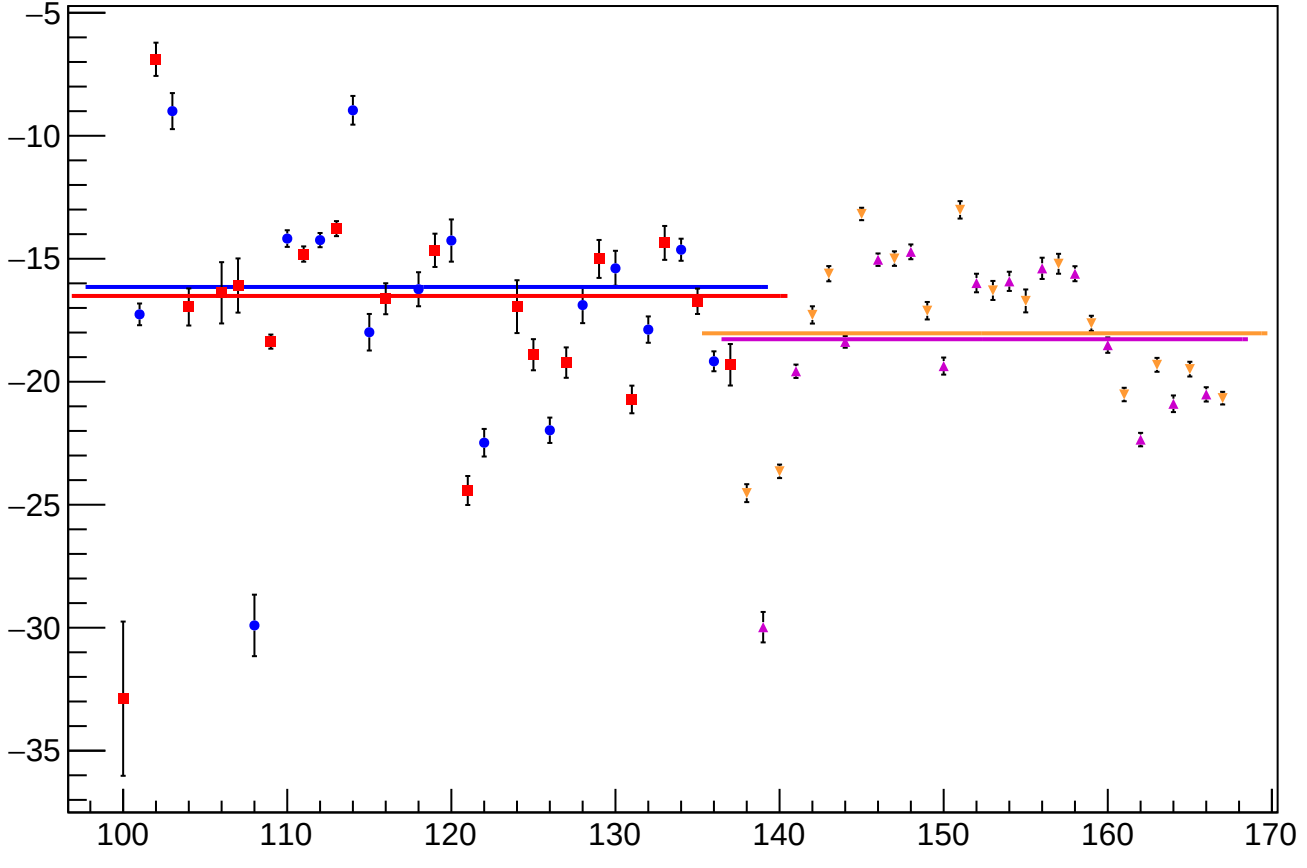
Left: -52.677+/-0.069 χ^2/NDF: 7428.8/29

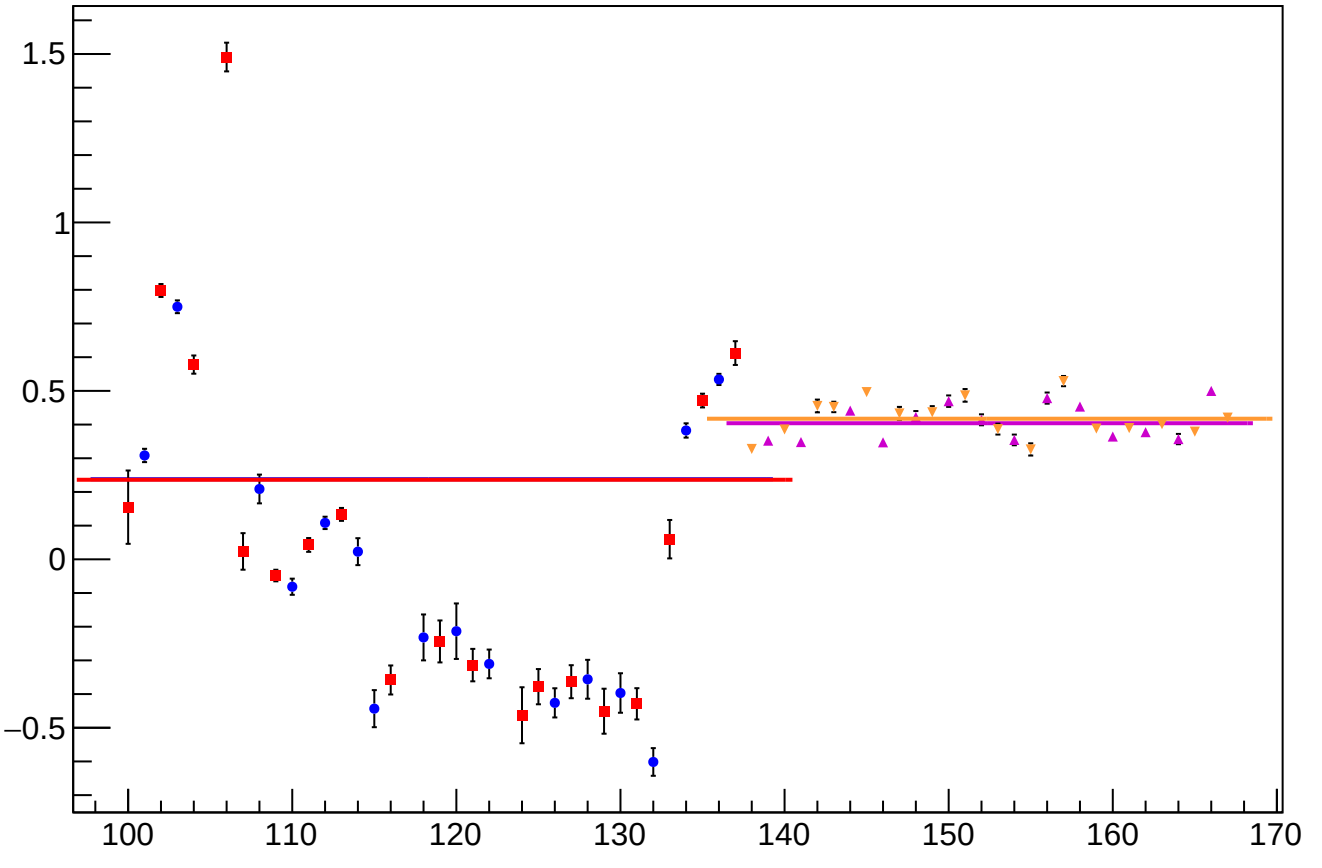
Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -56.174+/-0.075 χ^2/NDF:9966.5/29

Out: -57.107+/-0.071 χ^2/NDF:9832.0/34

All: -56.667+/-0.051 χ^2/NDF: 19880.2/64


reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
160
170
Right In: -16.147+/-0.127 χ²/NDF: 797.1/15
Left Out: -18.031+/-0.079 χ²/NDF:1791.6/15
Right Out: -16.512+/-0.125 χ²/NDF: 684.7/18
Left In: -18.272+/-0.084 χ²/NDF:1228.4/13
Left: -18.144+/-0.057 χ²/NDF: 3024.3/29
Right: -16.333+/-0.089 χ²/NDF: 1486.0/34
In: -17.628+/-0.070 χ²/NDF:2220.1/29
Out: -17.600+/-0.066 χ²/NDF:2582.6/34
All: -17.613+/-0.048 χ²/NDF: 4802.8/64



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.417+/-0.004 χ^2/NDF:224.8/15

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.404+/-0.004 χ^2/NDF:192.2/13

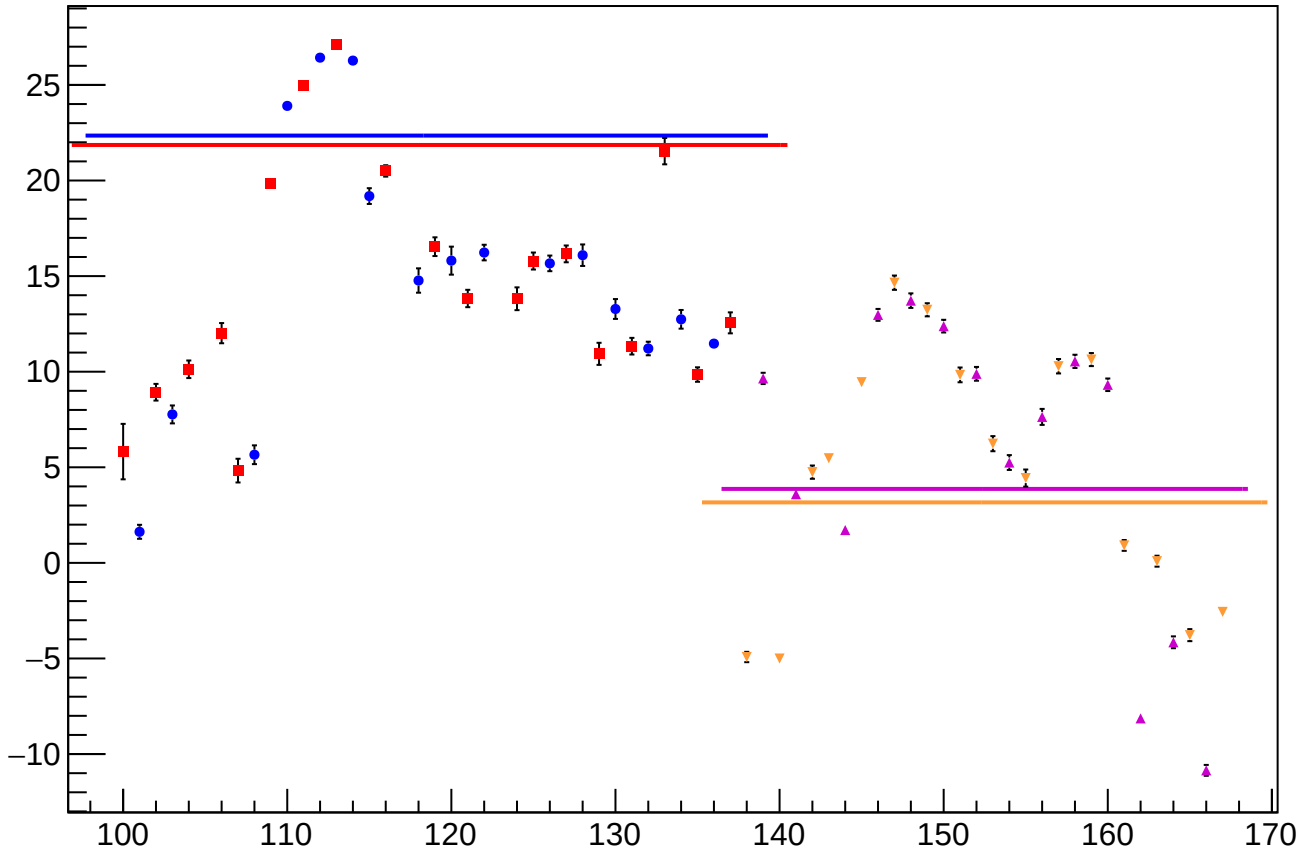
Left: 0.411+/-0.003 χ^2/NDF: 423.5/29

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.366+/-0.003 χ^2/NDF:3252.5/29

Out: 0.380+/-0.003 χ^2/NDF:4338.6/34

All: 0.373+/-0.002 χ^2/NDF: 7600.3/64



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.164+/-0.075 χ^2/NDF:7273.0/15

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 3.869+/-0.082 χ^2/NDF:9167.0/13

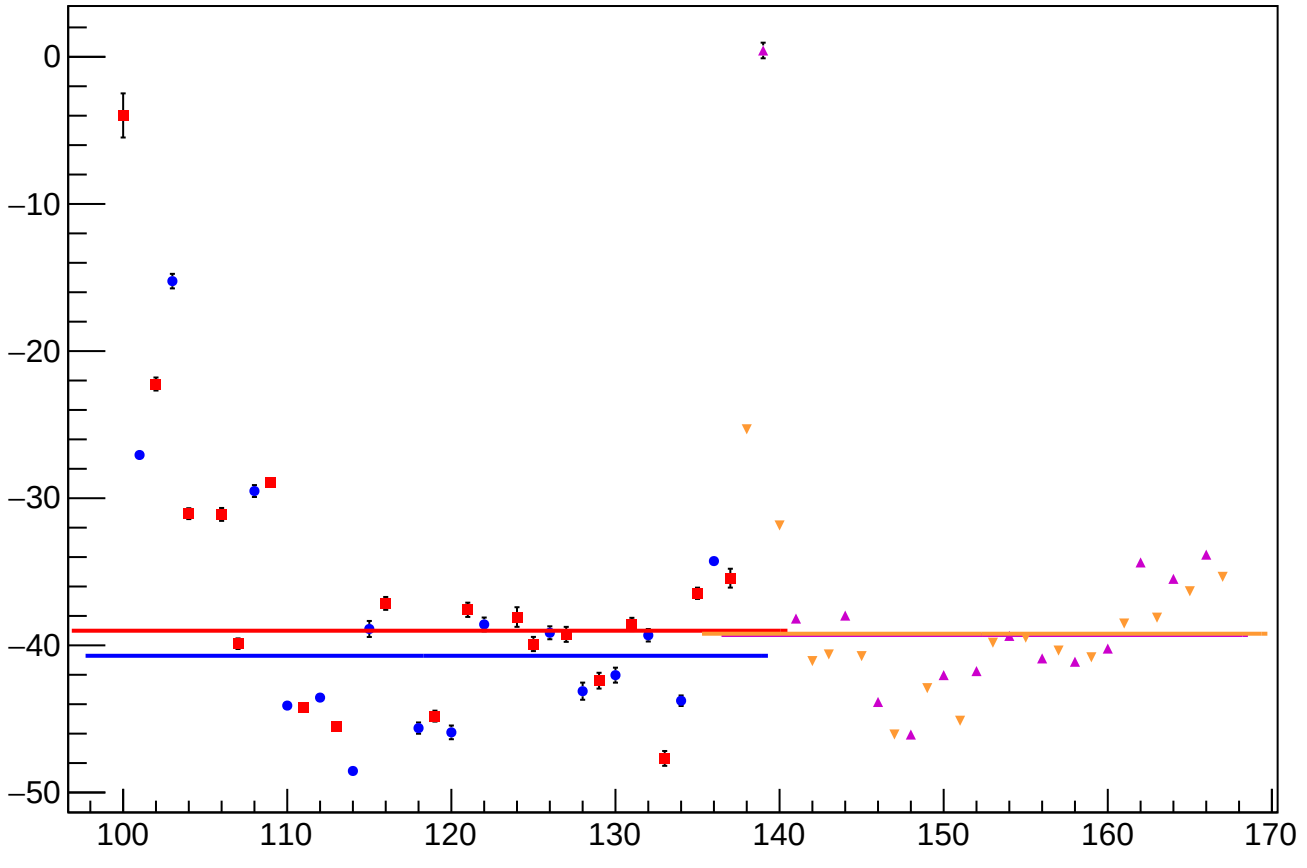
Left: 3.486+/-0.055 χ^2/NDF: 16480.3/29

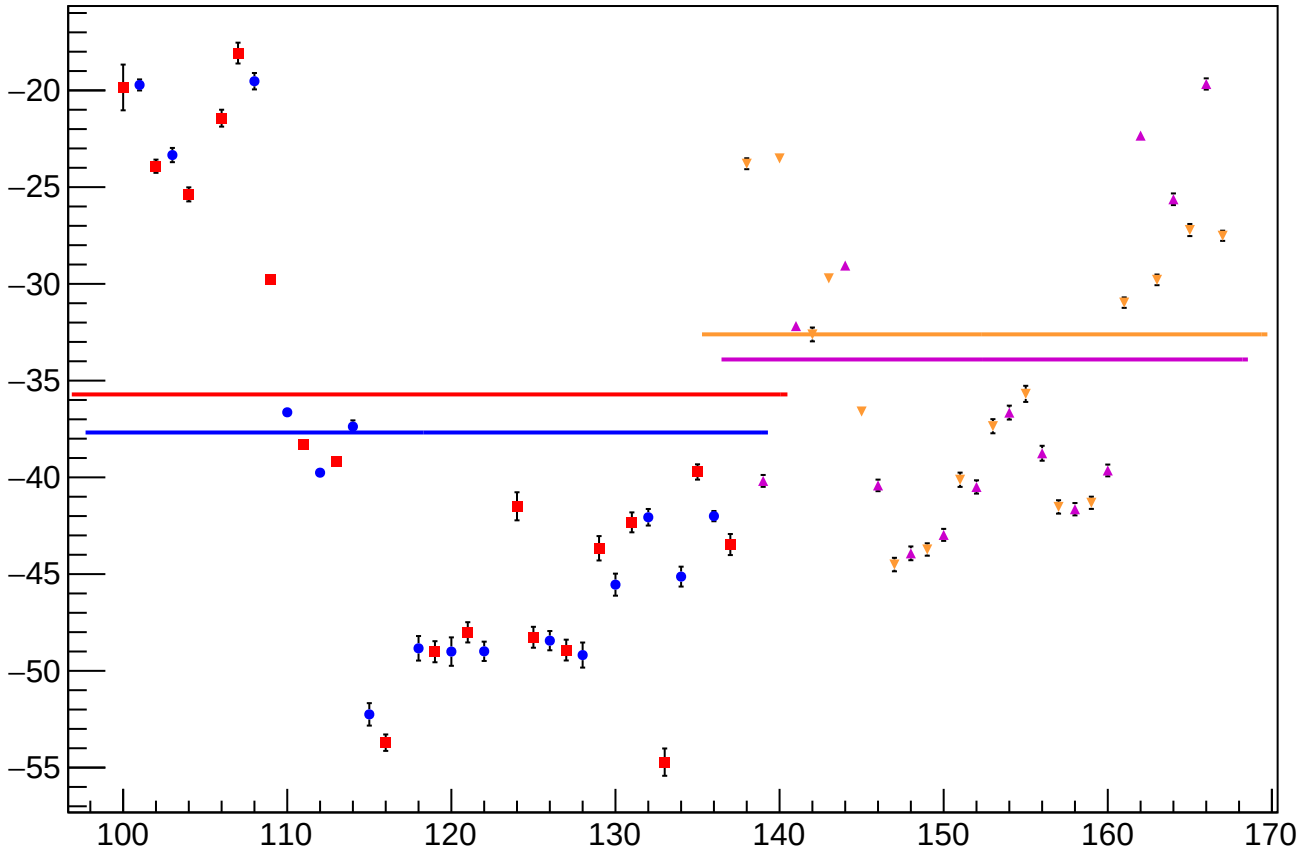
Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 16.391+/-0.047 χ^2/NDF:55936.4/29

Out: 16.703+/-0.039 χ^2/NDF:62952.8/34

All: 16.573+/-0.030 χ^2/NDF: 118915.4/64


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: -40.709+/-0.076 χ²/NDF: 7780.4/15
Left Out: -39.209+/-0.053 χ²/NDF:7985.1/15
Right Out: -39.005+/-0.071 χ²/NDF: 10101.3/18
Left In: -39.297+/-0.058 χ²/NDF:9445.0/13
Left: -39.249+/-0.039 χ²/NDF: 17431.4/29
Right: -39.794+/-0.052 χ²/NDF: 18148.1/34
In: -39.817+/-0.046 χ²/NDF:17440.8/29
Out: -39.135+/-0.043 χ²/NDF:18091.7/34
All: -39.447+/-0.031 χ²/NDF: 35649.2/64



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -32.609+/-0.074 χ^2/NDF:8302.8/15

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -33.907+/-0.080 χ^2/NDF:9838.5/13

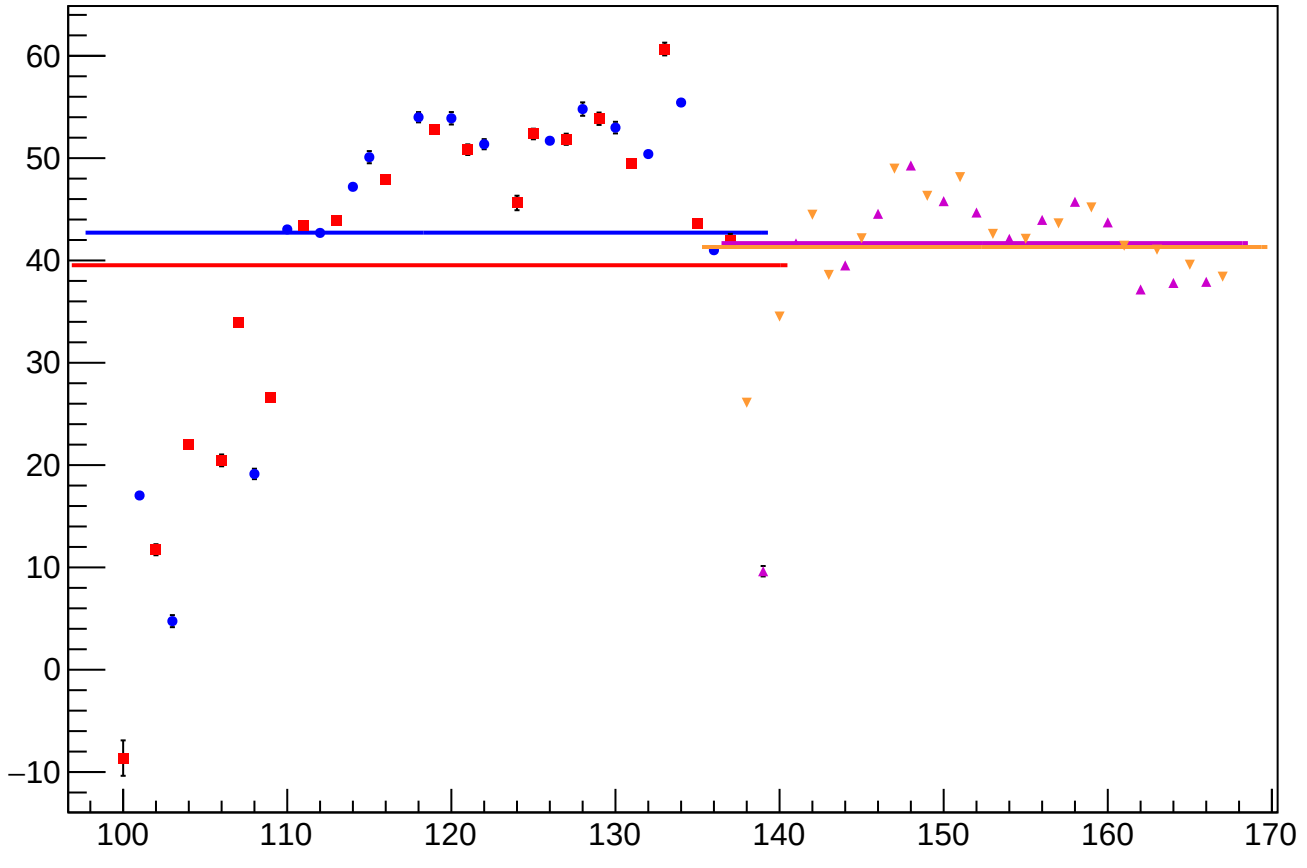
Left: -33.208+/-0.054 χ^2/NDF: 18282.9/29

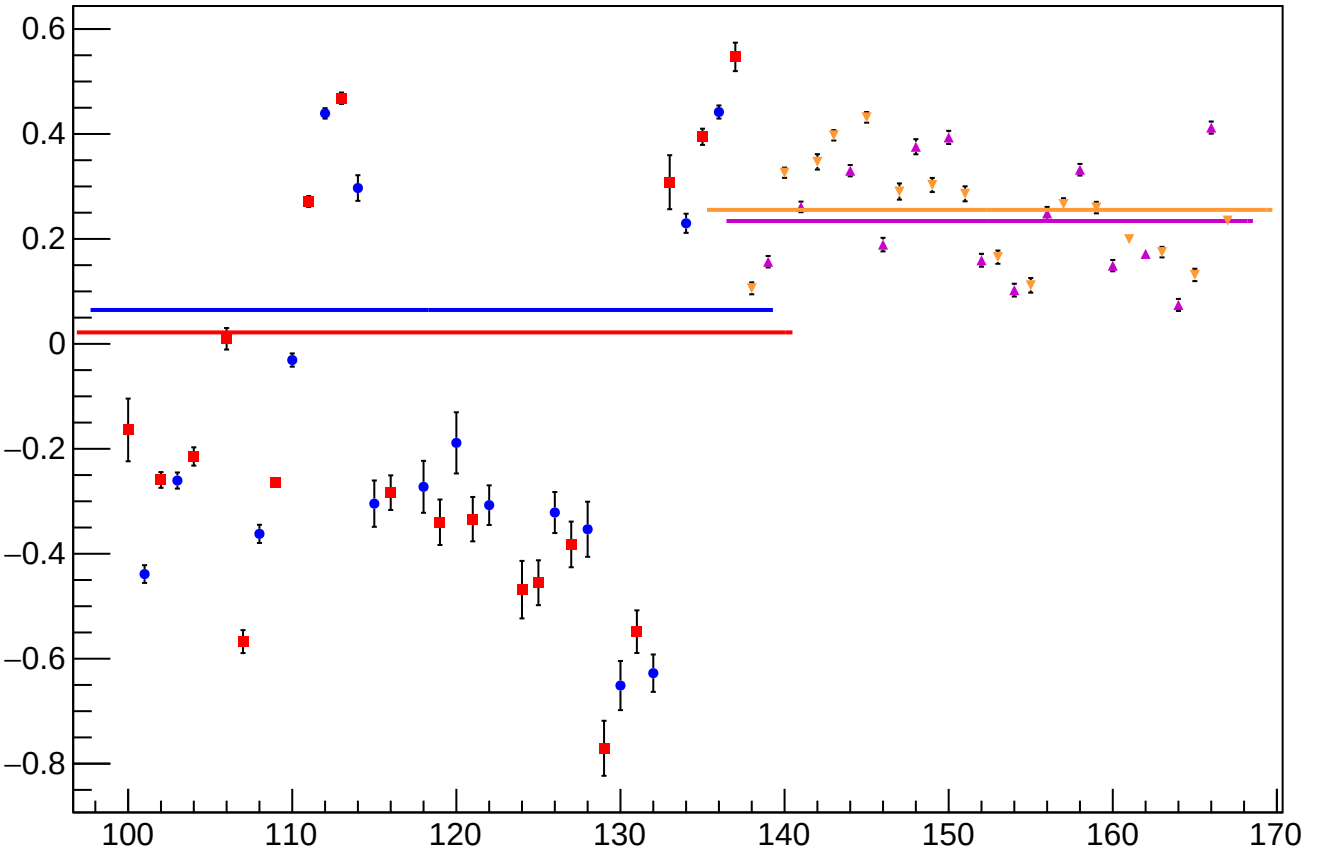
Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -35.947+/-0.054 χ^2/NDF:21895.5/29

Out: -34.380+/-0.049 χ^2/NDF:22578.3/34

All: -35.078+/-0.036 χ^2/NDF: 44937.4/64


reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: 42.718+/-0.085 χ²/NDF: 14765.0/15
Left Out: 41.314+/-0.062 χ²/NDF:6502.0/15
Right Out: 39.533+/-0.078 χ²/NDF: 17978.2/18
Left In: 41.696+/-0.067 χ²/NDF:6841.5/13
Left: 41.489+/-0.045 χ²/NDF: 13361.1/29
Right: 40.991+/-0.058 χ²/NDF: 33503.2/34
In: 42.088+/-0.053 χ²/NDF:21695.5/29
Out: 40.631+/-0.048 χ²/NDF:24800.2/34
All: 41.298+/-0.036 χ²/NDF: 46910.4/64



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.255+/-0.003 χ^2/NDF:1168.4/15

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.234+/-0.003 χ^2/NDF:1176.4/13

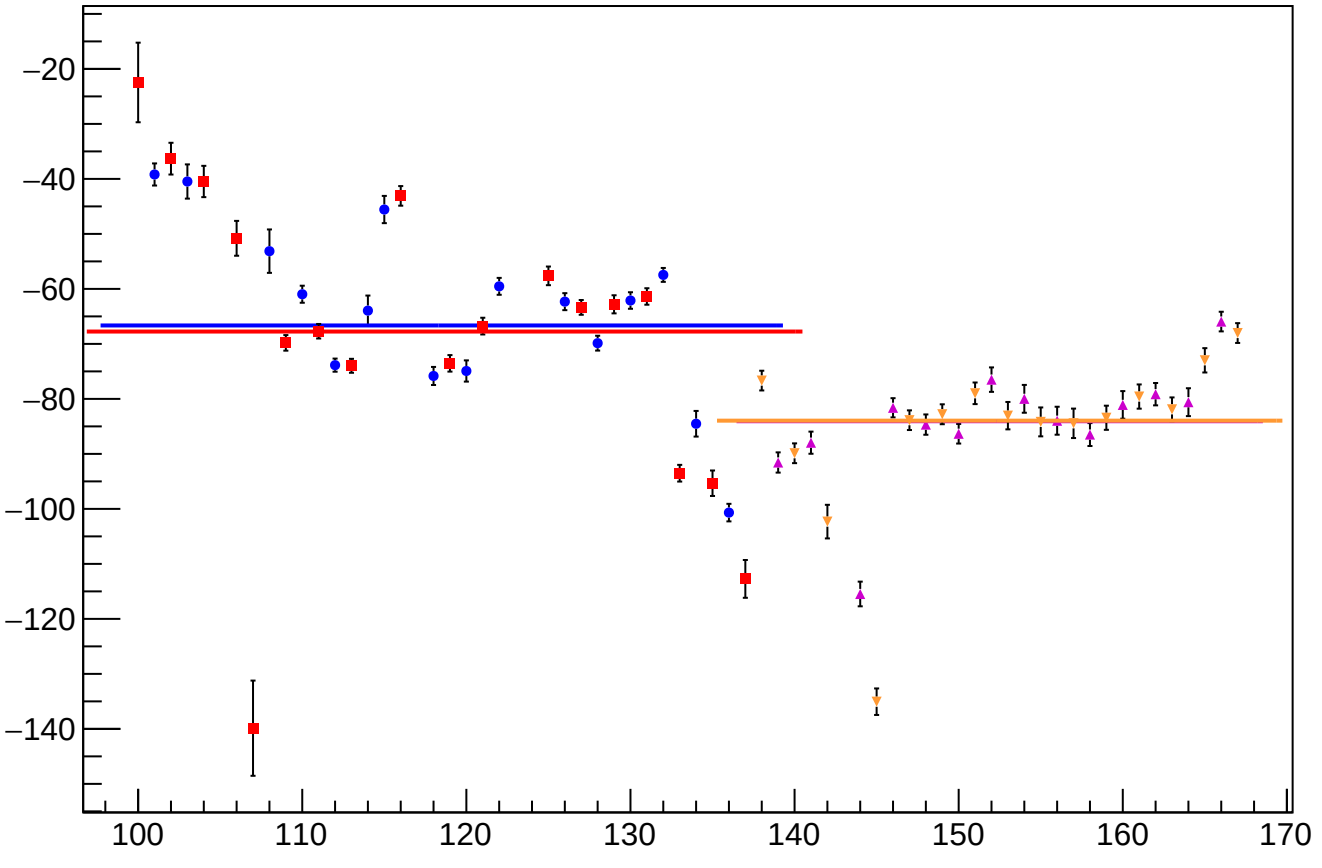
Left: 0.246+/-0.002 χ^2/NDF: 2370.7/29

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.186+/-0.003 χ^2/NDF:7551.8/29

Out: 0.186+/-0.002 χ^2/NDF:9571.2/34

All: 0.186+/-0.002 χ^2/NDF: 17123.0/64



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -83.958+/-0.545 χ^2/NDF:627.5/14

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -84.064+/-0.551 χ^2/NDF:347.8/13

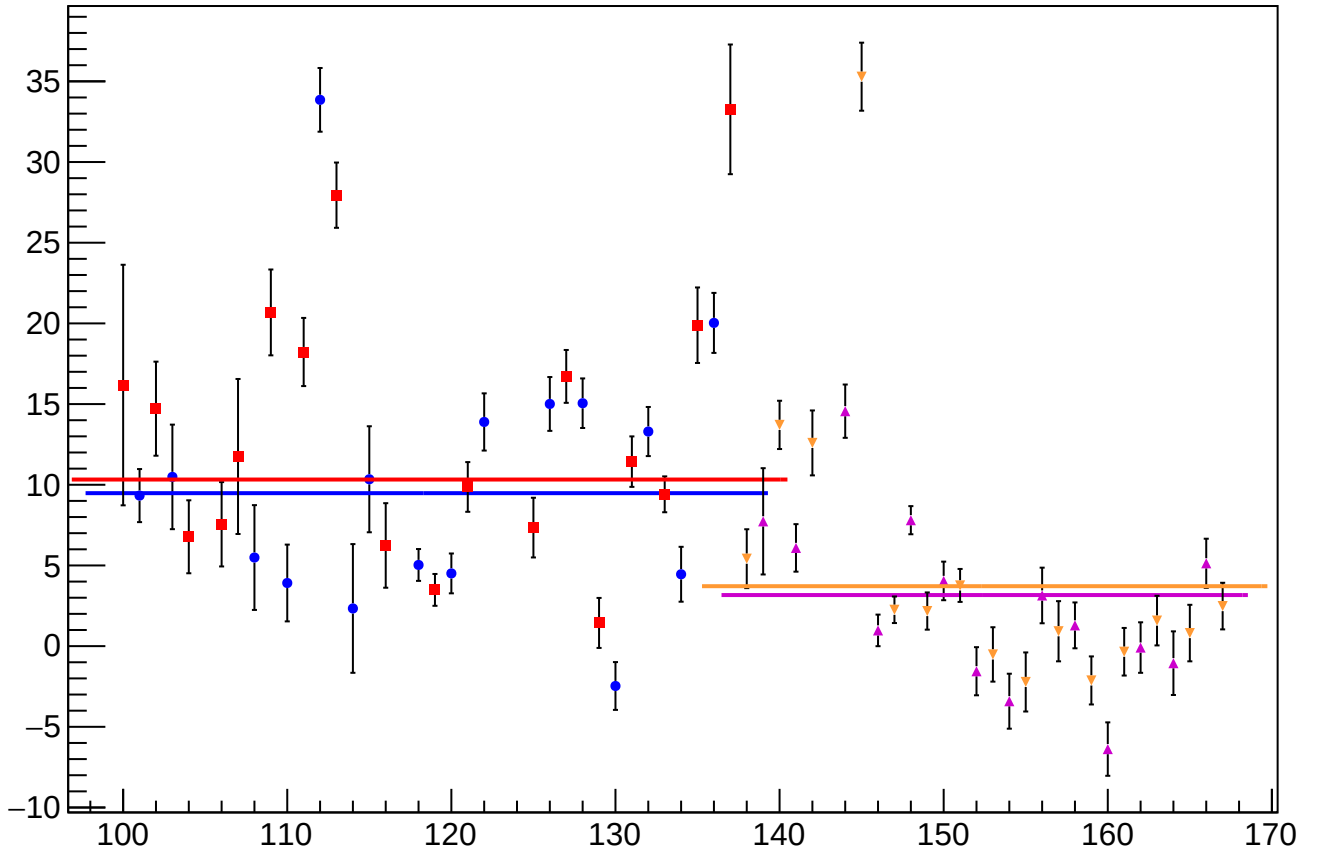
Left: -84.010+/-0.388 χ^2/NDF: 975.3/28

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.163+/-0.337 χ^2/NDF:2025.2/29

Out: -73.777+/-0.333 χ^2/NDF:2437.4/32

All: -73.474+/-0.237 χ^2/NDF: 4464.2/62



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.714+/-0.365 χ^2/NDF:341.6/14

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.166+/-0.376 χ^2/NDF:157.9/13

Left: 3.448+/-0.262 χ^2/NDF: 500.6/28

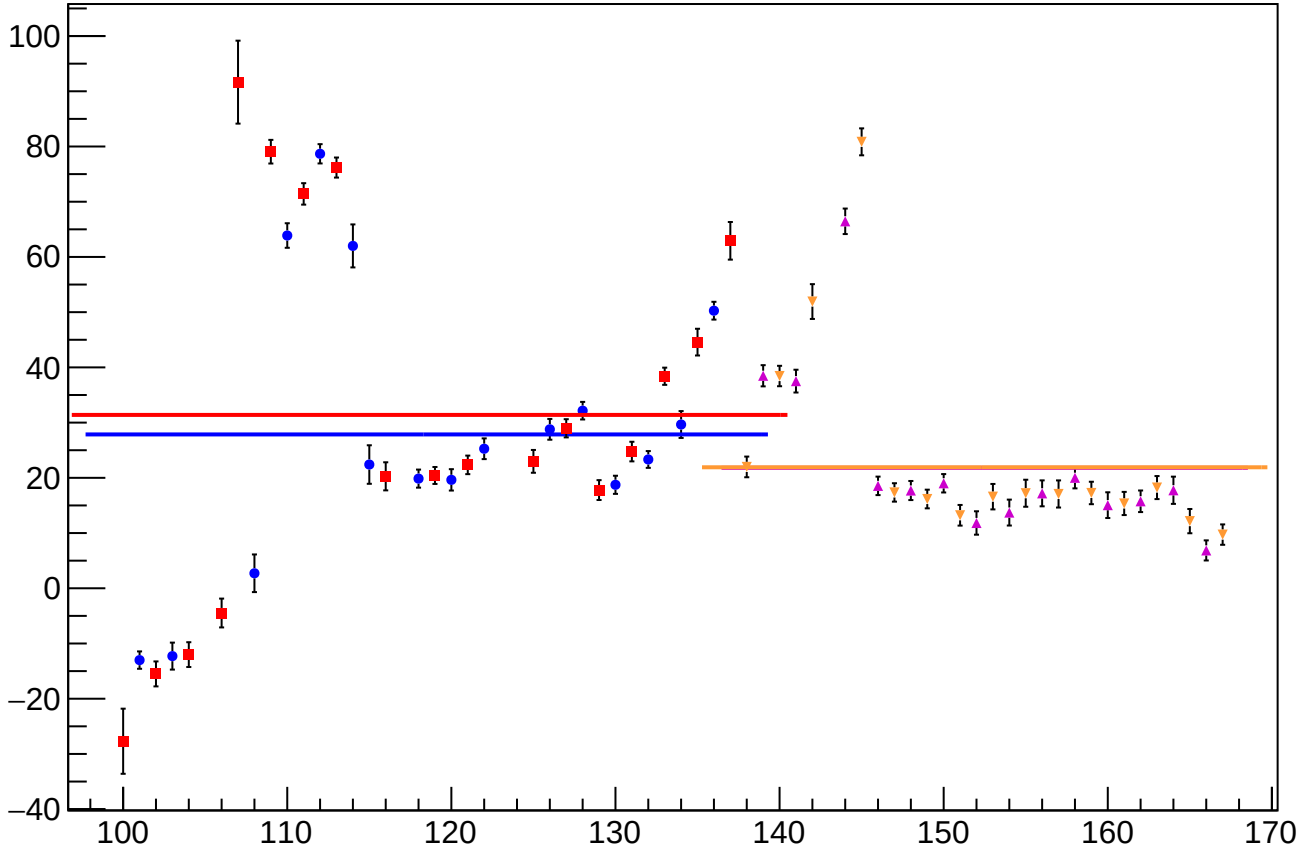
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.916+/-0.283 χ^2/NDF:622.6/29

Out: 6.445+/-0.280 χ^2/NDF:740.2/32

All: 6.183+/-0.199 χ^2/NDF: 1364.5/62

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 21.910+/-0.530 χ^2/NDF:888.8/14

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 21.811+/-0.533 χ^2/NDF:646.6/13

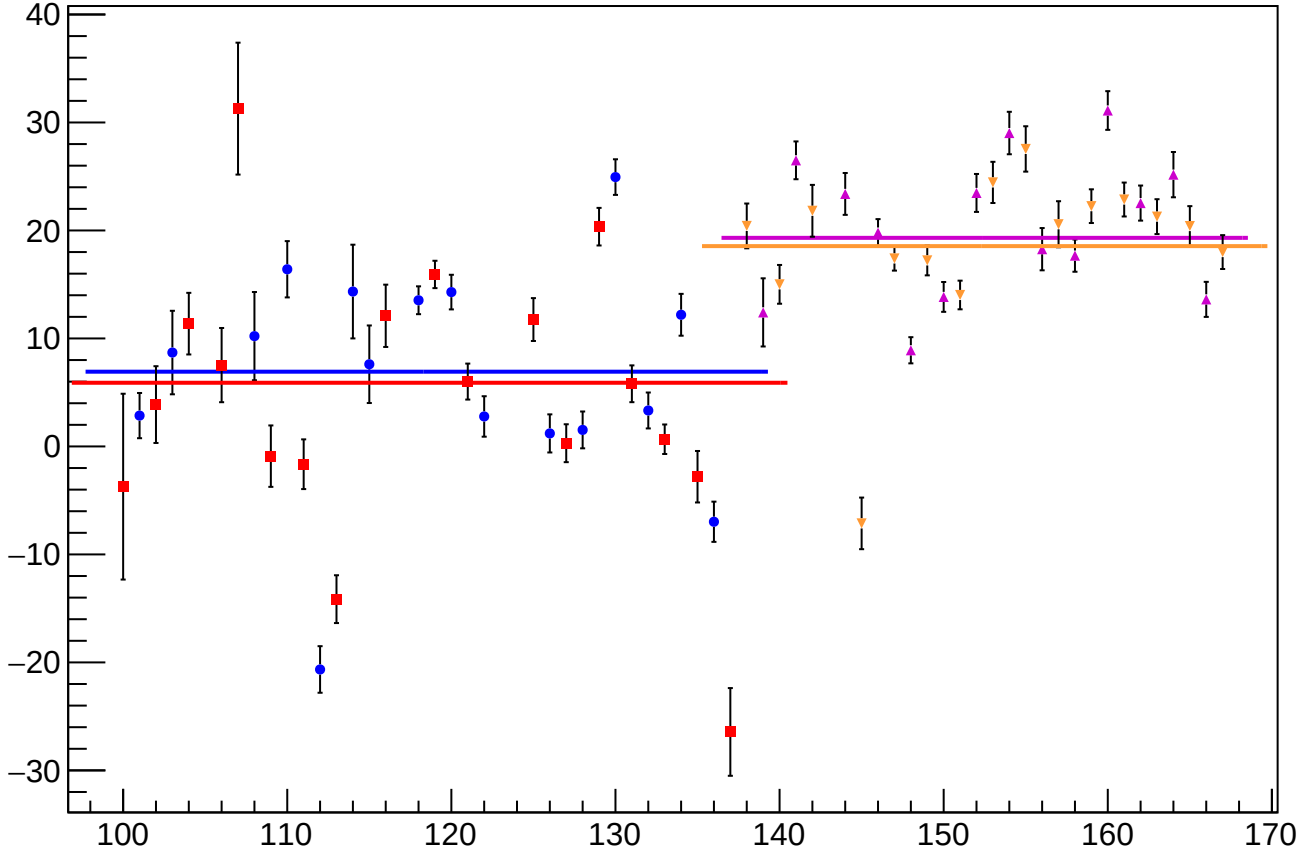
Left: 21.861+/-0.376 χ^2/NDF: 1535.4/28

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 25.138+/-0.358 χ^2/NDF:3191.3/29

Out: 27.045+/-0.359 χ^2/NDF:4073.7/32

All: 26.089+/-0.253 χ^2/NDF: 7279.2/62



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.550+/-0.431 χ^2/NDF:181.5/14

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 19.316+/-0.442 χ^2/NDF:214.5/13

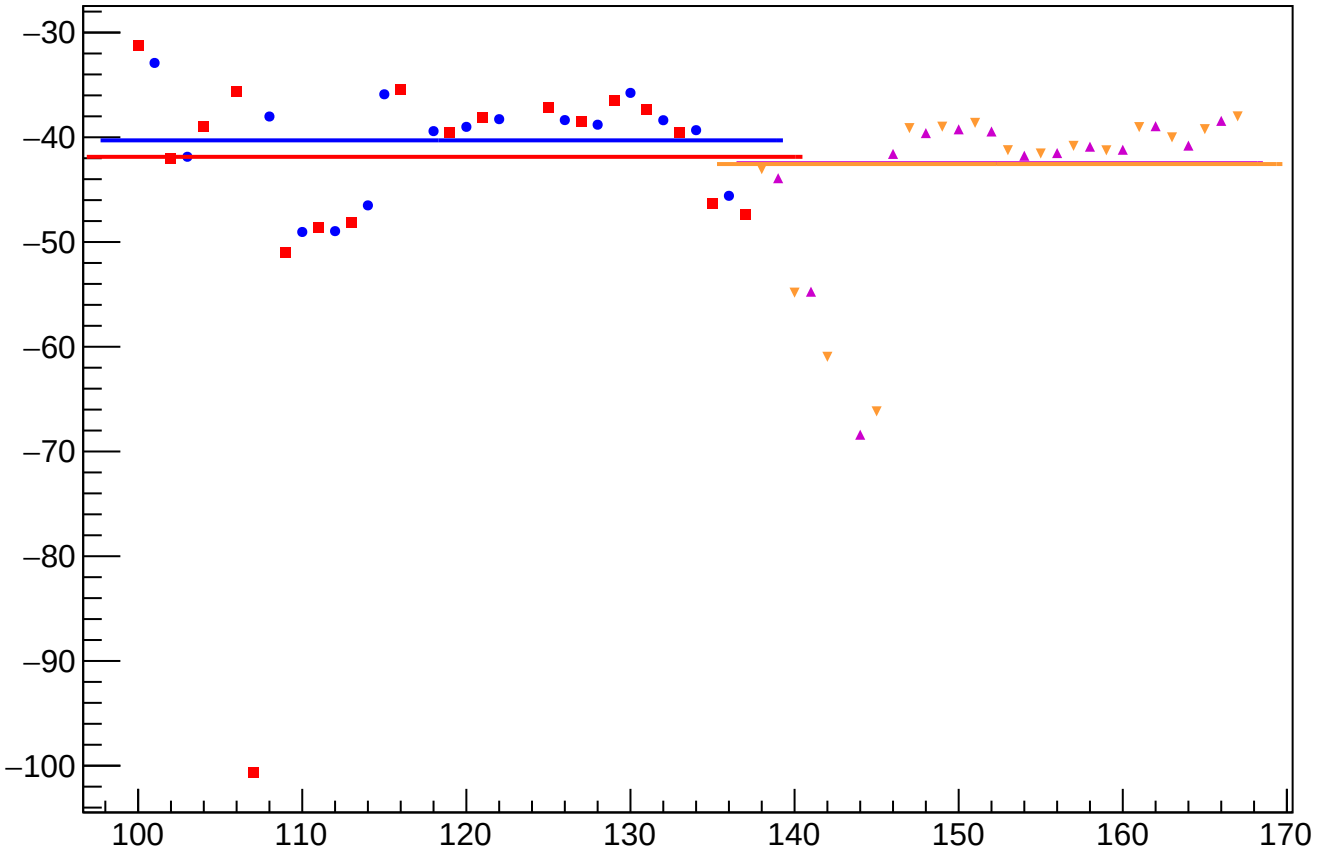
Left: 18.924+/-0.308 χ^2/NDF: 397.5/28

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 13.831+/-0.330 χ^2/NDF:1007.5/29

Out: 13.180+/-0.327 χ^2/NDF:915.3/32

All: 13.503+/-0.232 χ^2/NDF: 1924.8/62



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -42.556+/-0.020 χ^2/NDF:121034.1/14

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -42.474+/-0.020 χ^2/NDF:96479.4/13

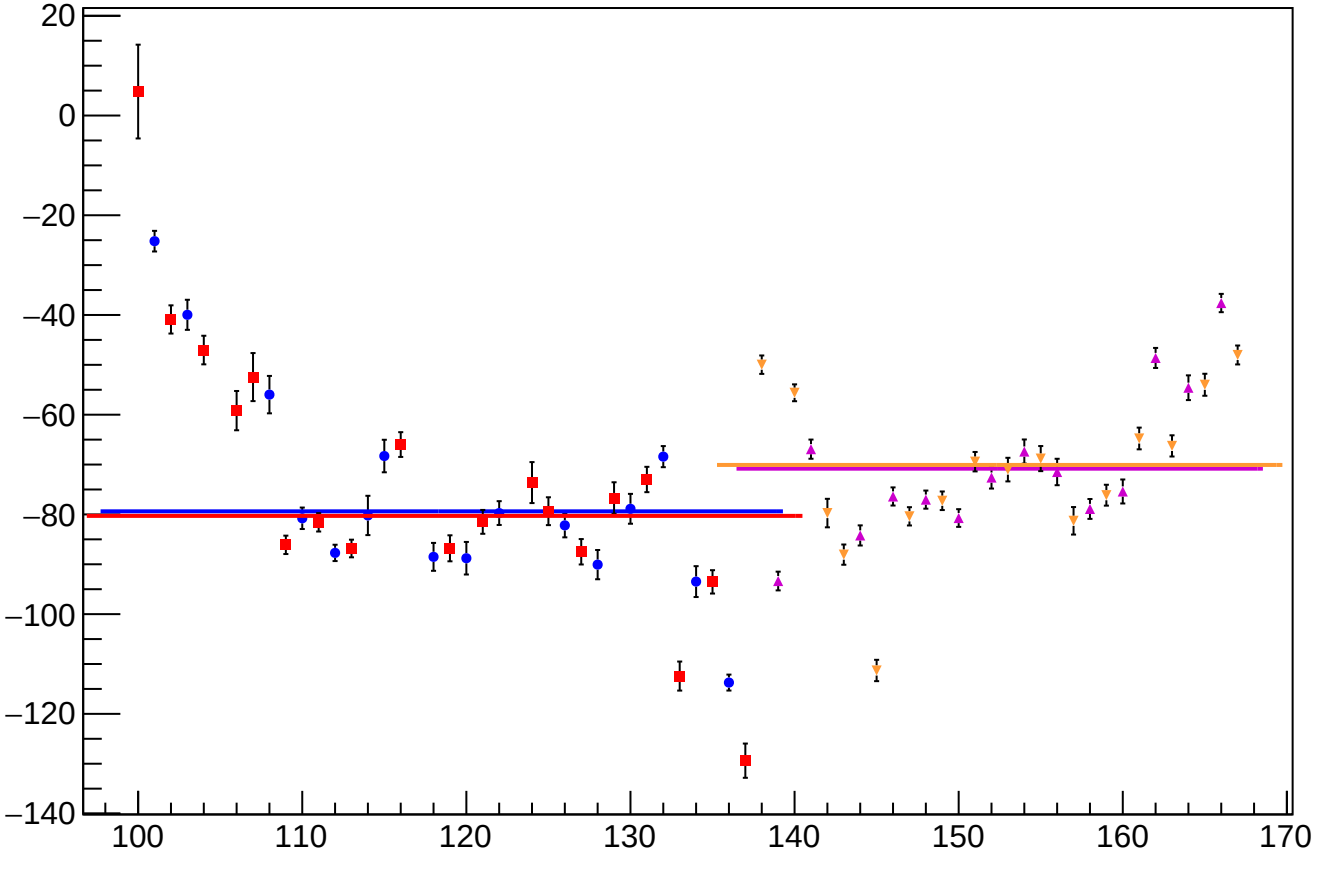
Left: -42.515+/-0.014 χ^2/NDF: 217521.6/28

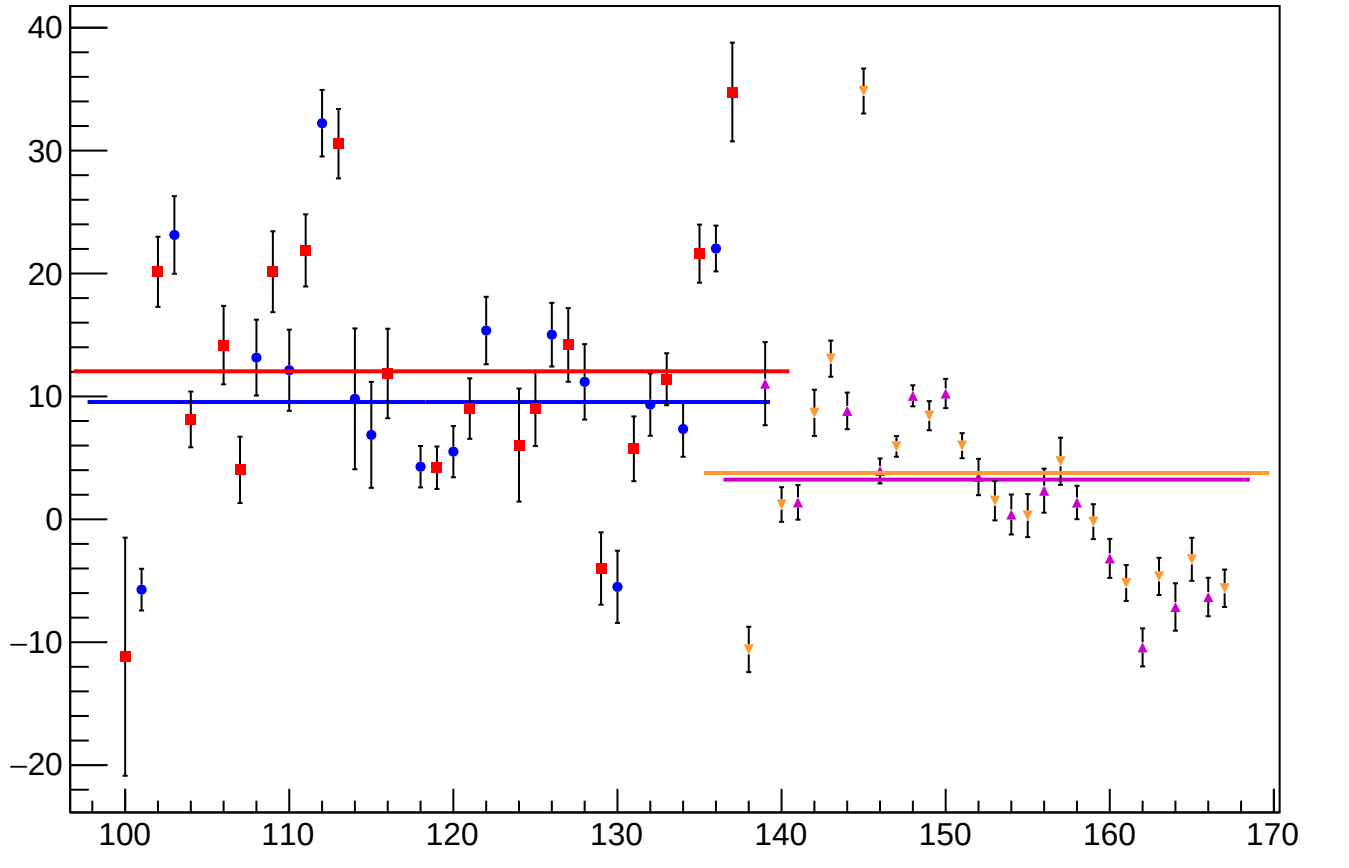
Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

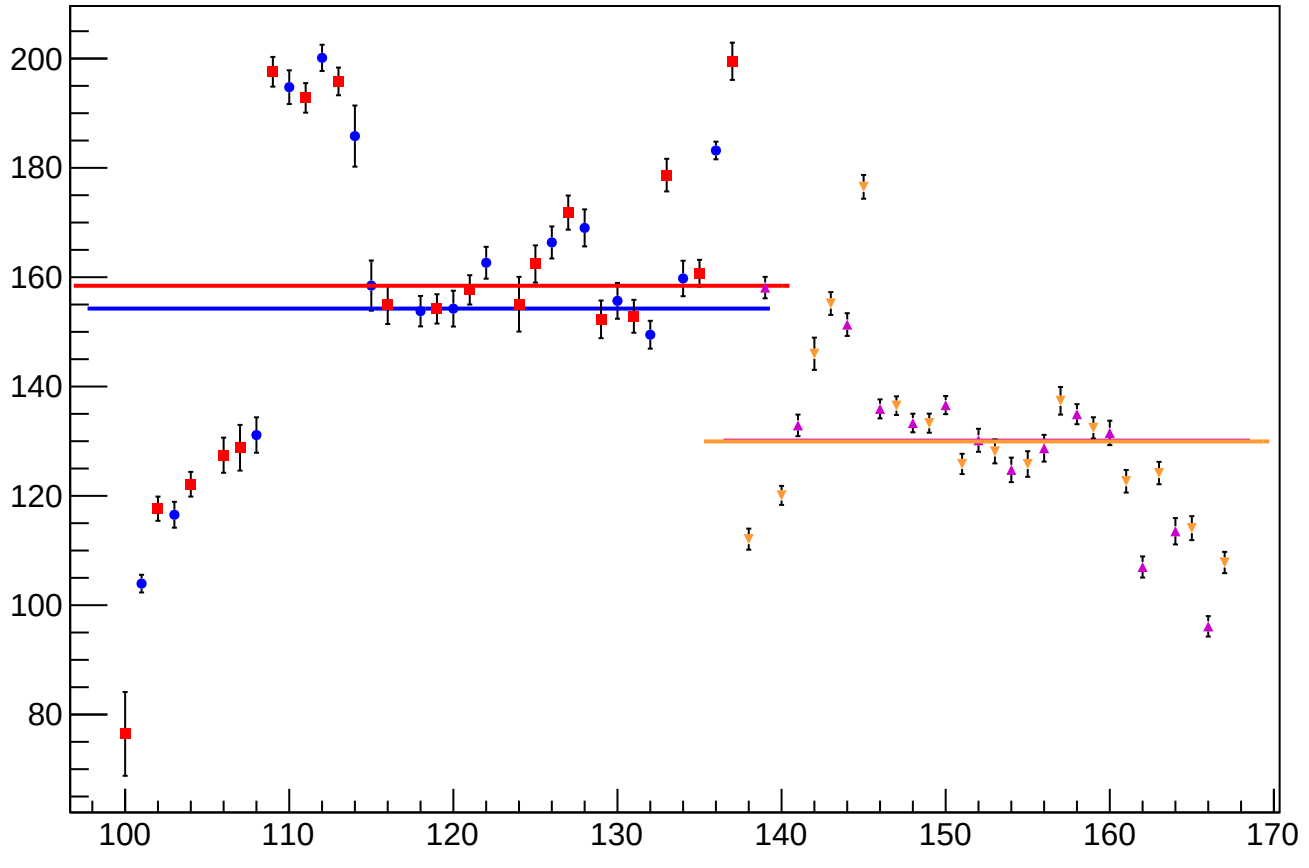
In: -41.833+/-0.017 χ^2/NDF:120548.6/29

Out: -42.361+/-0.017 χ^2/NDF:180098.8/32

All: -42.096+/-0.012 χ^2/NDF: 301126.8/62


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -79.382+/-0.611 χ²/NDF: 1475.9/15
Left Out: -70.077+/-0.521 χ²/NDF:921.7/15
Right Out: -80.294+/-0.604 χ²/NDF: 914.7/18
Left In: -70.827+/-0.545 χ²/NDF:759.5/13
Left: -70.435+/-0.376 χ²/NDF: 1682.2/29
Right: -79.844+/-0.430 χ²/NDF: 2391.7/34
In: -74.614+/-0.407 χ²/NDF:2344.6/29
Out: -74.435+/-0.395 χ²/NDF:2000.5/34
All: -74.522+/-0.283 χ²/NDF: 4345.2/64


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 3.768+/-0.352 χ²/NDF:562.1/15
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 3.230+/-0.371 χ²/NDF:285.1/13
Left: 3.514+/-0.255 χ²/NDF: 848.3/29
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 4.891+/-0.319 χ²/NDF:628.3/29
Out: 5.704+/-0.308 χ²/NDF:887.3/34
All: 5.311+/-0.221 χ²/NDF: 1518.9/64



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 129.956+/-0.508 χ^2/NDF:990.7/15

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 130.104+/-0.527 χ^2/NDF:874.1/13

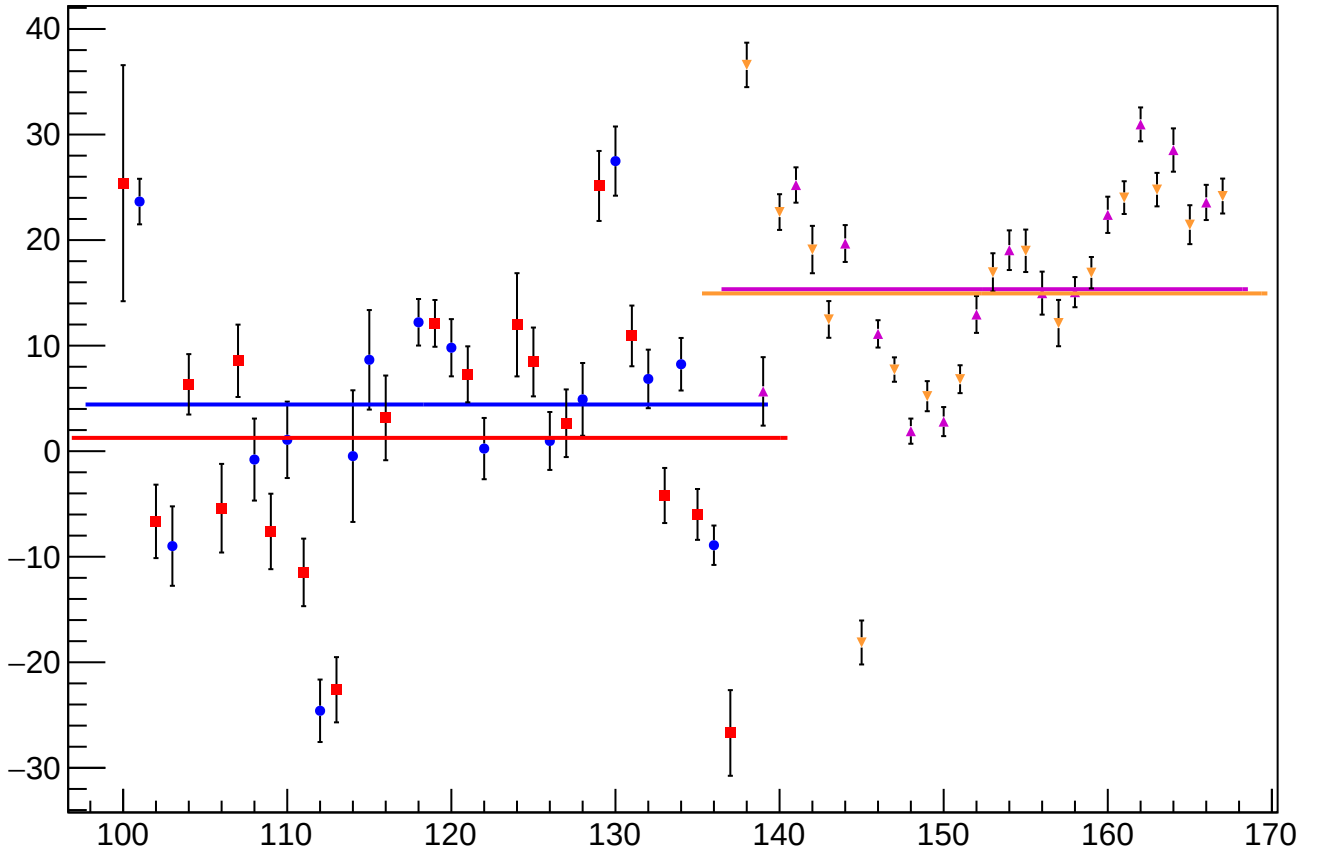
Left: 130.028+/-0.366 χ^2/NDF: 1864.9/29

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 139.477+/-0.412 χ^2/NDF:3903.3/29

Out: 140.111+/-0.408 χ^2/NDF:3775.0/34

All: 139.798+/-0.290 χ^2/NDF: 7679.5/64



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 14.946+/-0.414 χ^2/NDF:632.3/15

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 15.345+/-0.435 χ^2/NDF:453.6/13

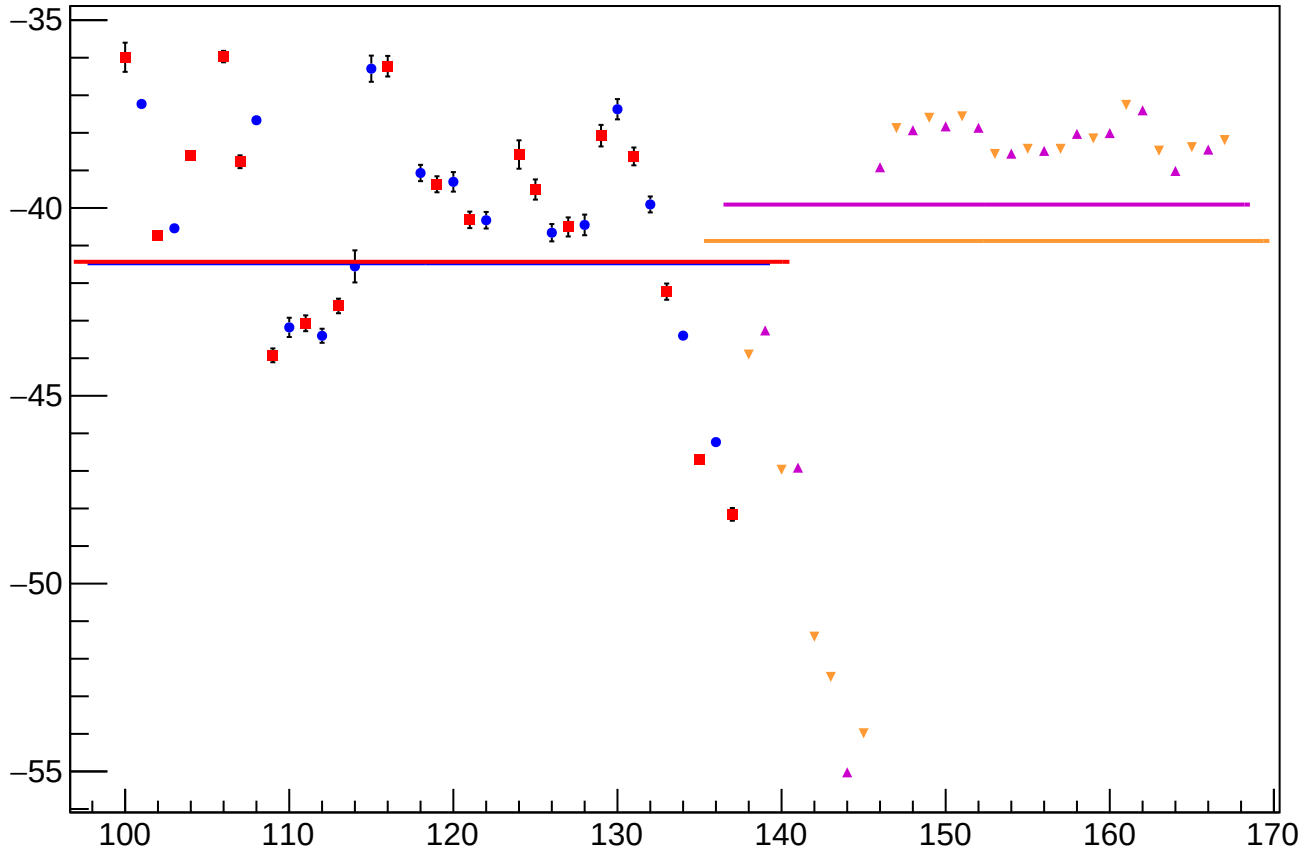
Left: 15.135+/-0.300 χ^2/NDF: 1086.3/29

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 12.384+/-0.372 χ^2/NDF:940.2/29

Out: 11.624+/-0.360 χ^2/NDF:1162.1/34

All: 11.992+/-0.259 χ^2/NDF: 2104.5/64



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.878+/-0.019 χ^2/NDF:72281.4/15

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.909+/-0.020 χ^2/NDF:42634.2/13

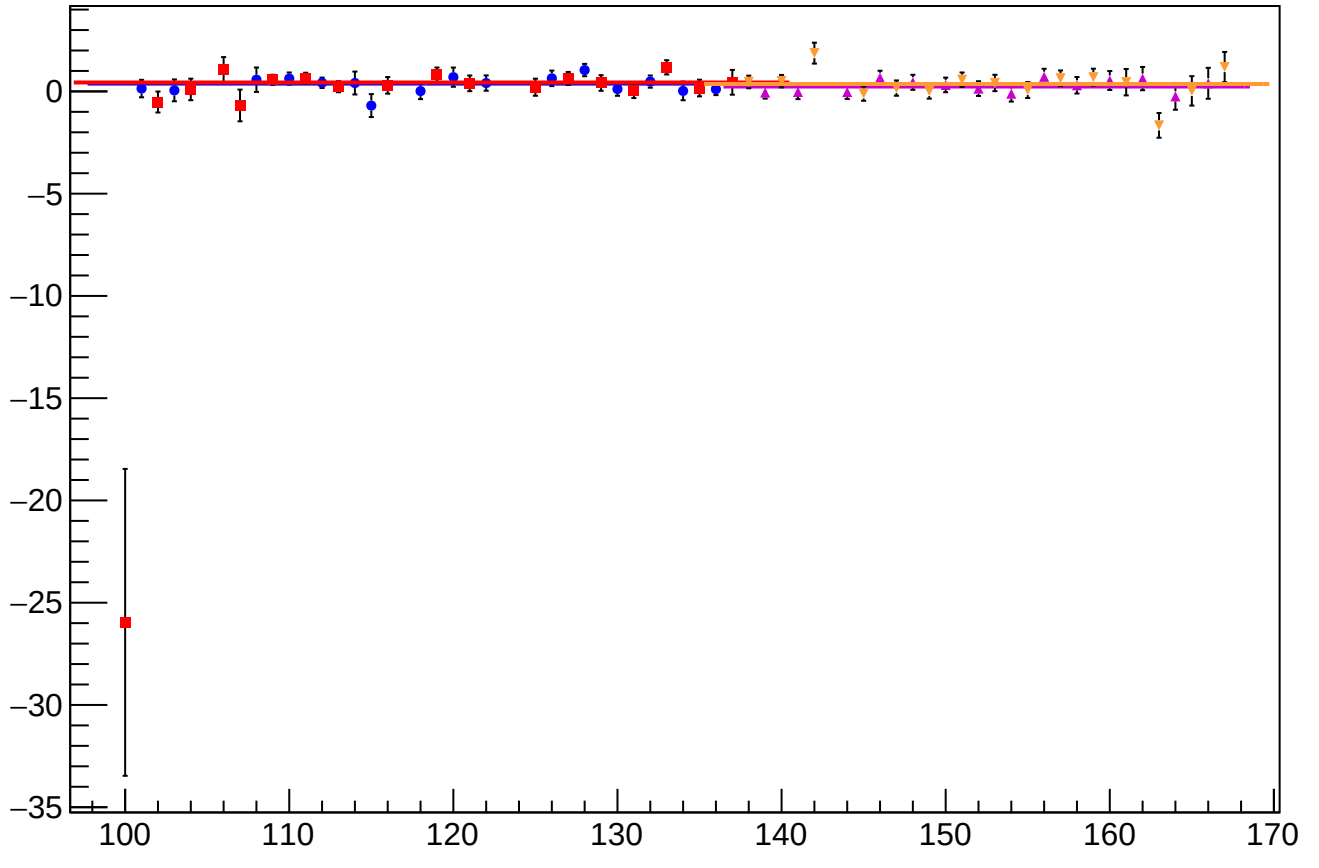
Left: -40.408+/-0.014 χ^2/NDF: 116116.6/29

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.248+/-0.018 χ^2/NDF:51862.7/29

Out: -40.986+/-0.017 χ^2/NDF:80665.7/34

All: -40.623+/-0.012 χ^2/NDF: 133407.1/64



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.362+/-0.106 χ^2/NDF:26.7/14

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.239+/-0.105 χ^2/NDF:8.0/13

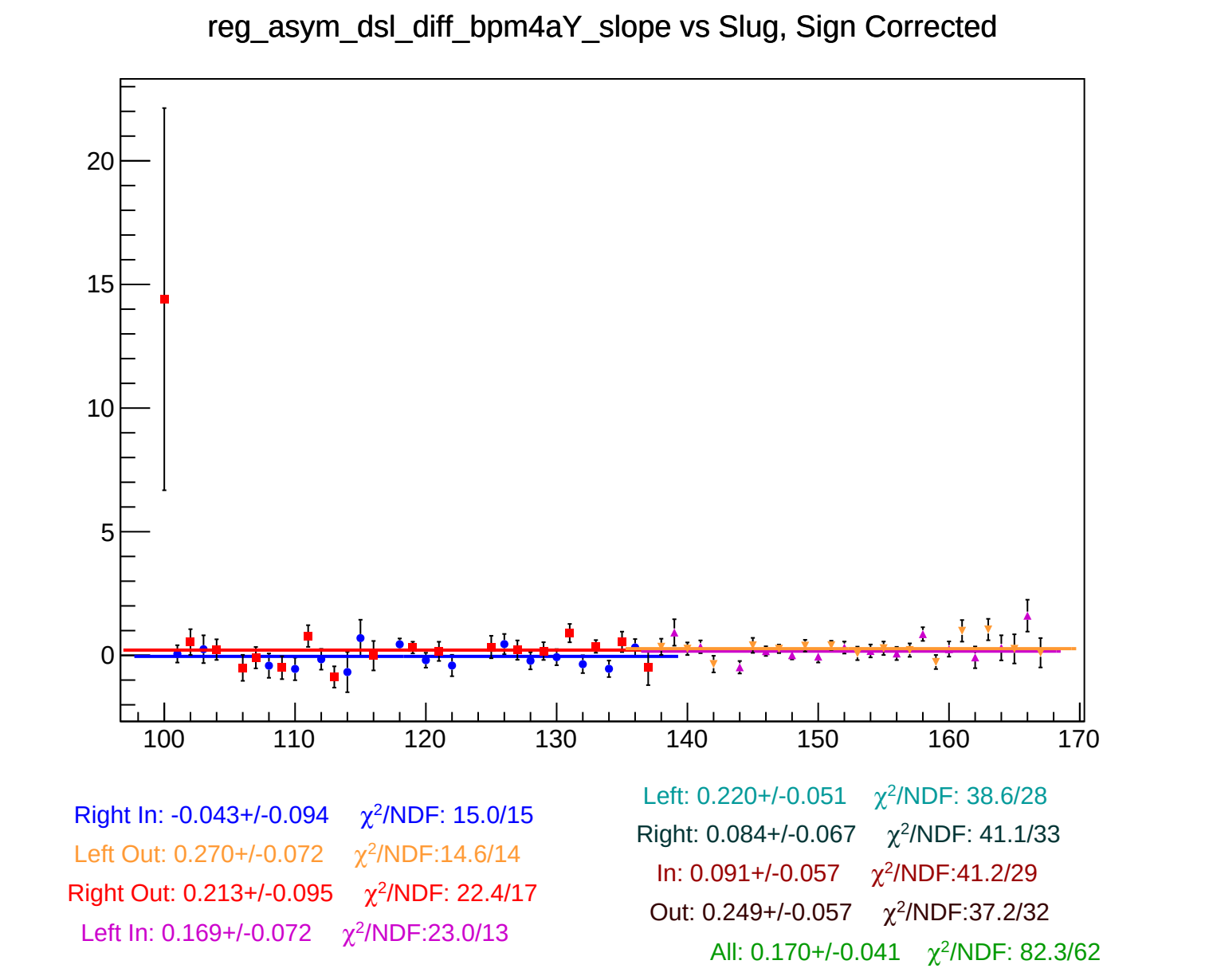
Left: 0.300+/-0.074 χ^2/NDF: 35.4/28

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.320+/-0.069 χ^2/NDF:23.1/29

Out: 0.405+/-0.069 χ^2/NDF:56.0/32

All: 0.363+/-0.049 χ^2/NDF: 79.8/62


reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
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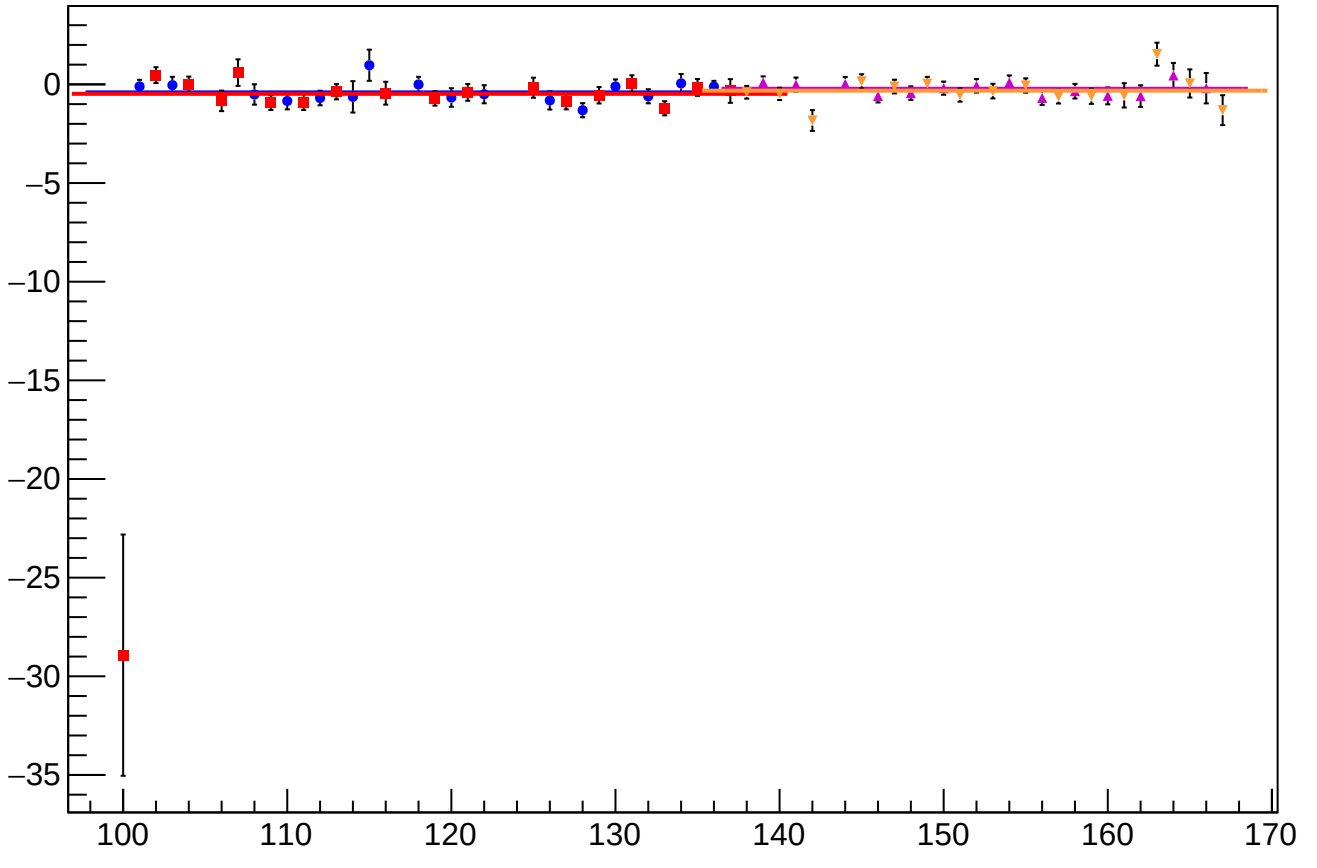
100
110
120
130
140
150
160
170
Right In: -0.043+/-0.094 χ2/NDF: 15.0/15
Left Out: 0.270+/-0.072 χ2/NDF:14.6/14
Right Out: 0.213+/-0.095 χ2/NDF: 22.4/17
Left In: 0.169+/-0.072 χ2/NDF:23.0/13
Left: 0.220+/-0.051 χ2/NDF: 38.6/28
Right: 0.084+/-0.067 χ2/NDF: 41.1/33
In: 0.091+/-0.057 χ2/NDF:41.2/29
Out: 0.249+/-0.057 χ2/NDF:37.2/32
All: 0.170+/-0.041 χ2/NDF: 82.3/62



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.320+/-0.102 χ^2/NDF:26.1/14

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.224+/-0.101 χ^2/NDF:8.6/13

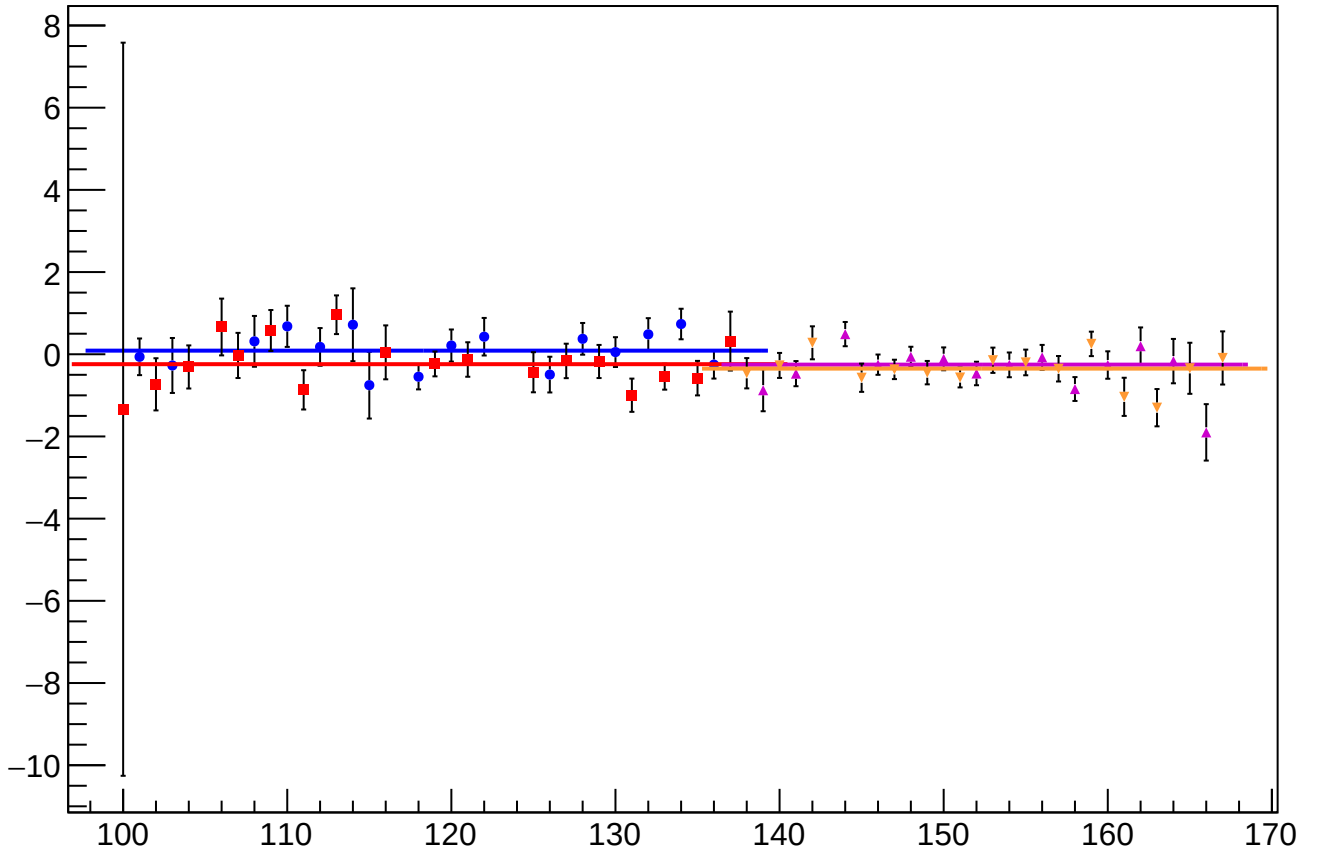
Left: -0.271+/-0.072 χ^2/NDF: 35.1/28

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.313+/-0.072 χ^2/NDF:27.9/29

Out: -0.397+/-0.073 χ^2/NDF:69.5/32

All: -0.355+/-0.051 χ^2/NDF: 98.1/62



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.349+/-0.085 χ^2/NDF:15.5/14

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.252+/-0.085 χ^2/NDF:21.1/13

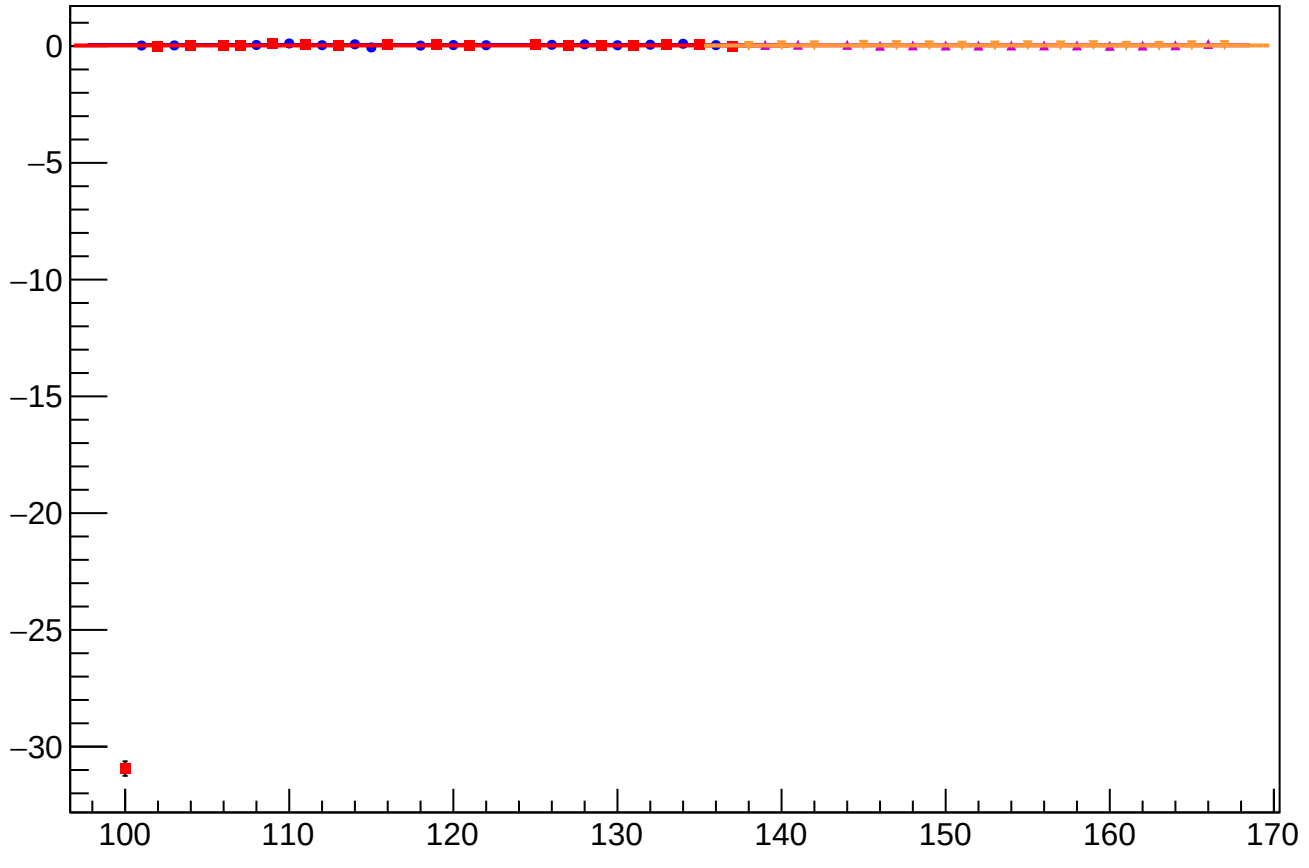
Left: -0.301+/-0.060 χ^2/NDF: 37.2/28

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.122+/-0.067 χ^2/NDF:43.0/29

Out: -0.309+/-0.067 χ^2/NDF:35.7/32

All: -0.215+/-0.047 χ^2/NDF: 82.6/62



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.004 χ^2/NDF:10.6/14

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.036+/-0.004 χ^2/NDF:15.9/13

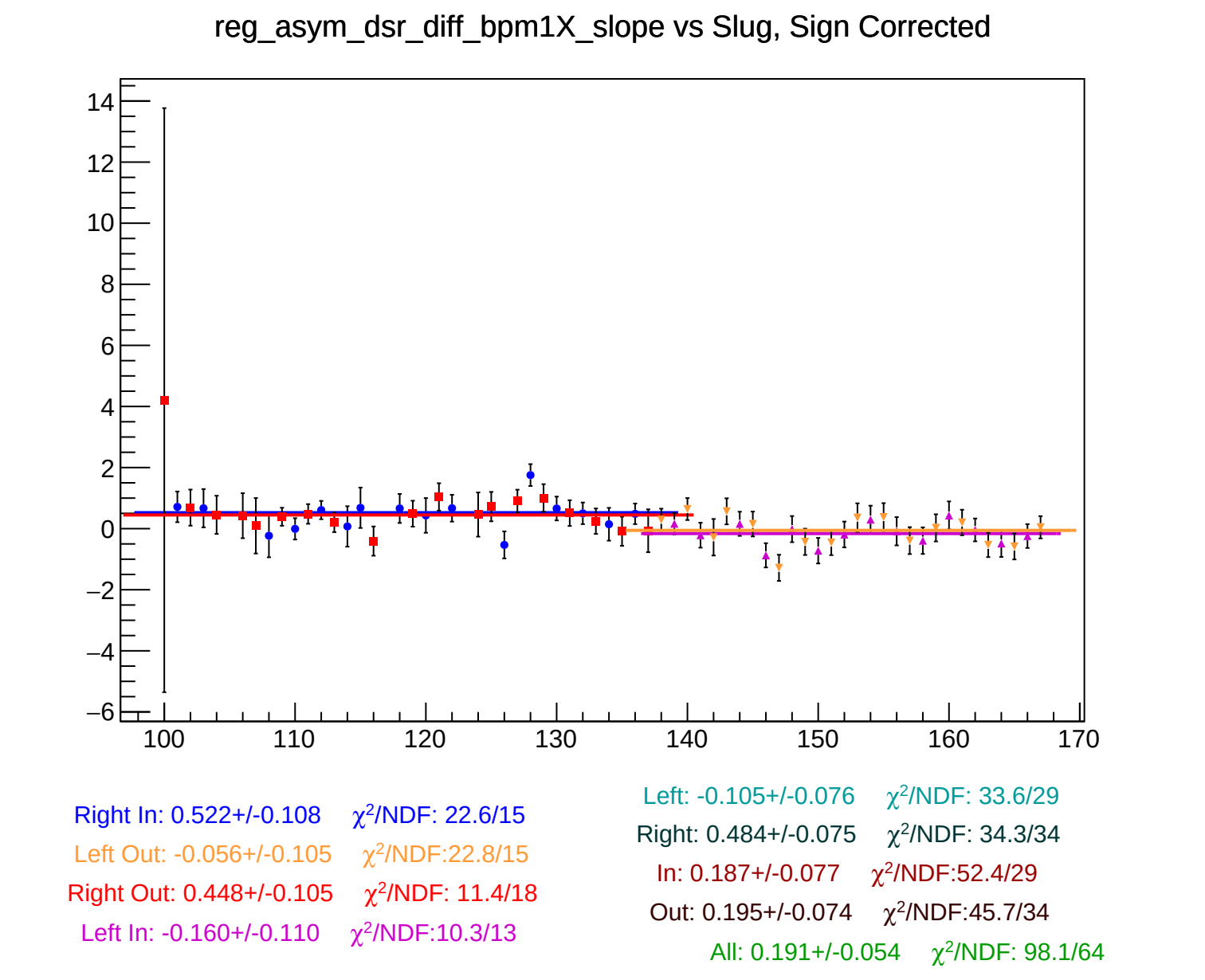
Left: 0.032+/-0.003 χ^2/NDF: 29.0/28

Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.039+/-0.003 χ^2/NDF:38.1/29

Out: 0.027+/-0.003 χ^2/NDF:10031.6/32

All: 0.033+/-0.002 χ^2/NDF: 10076.2/62


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
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8
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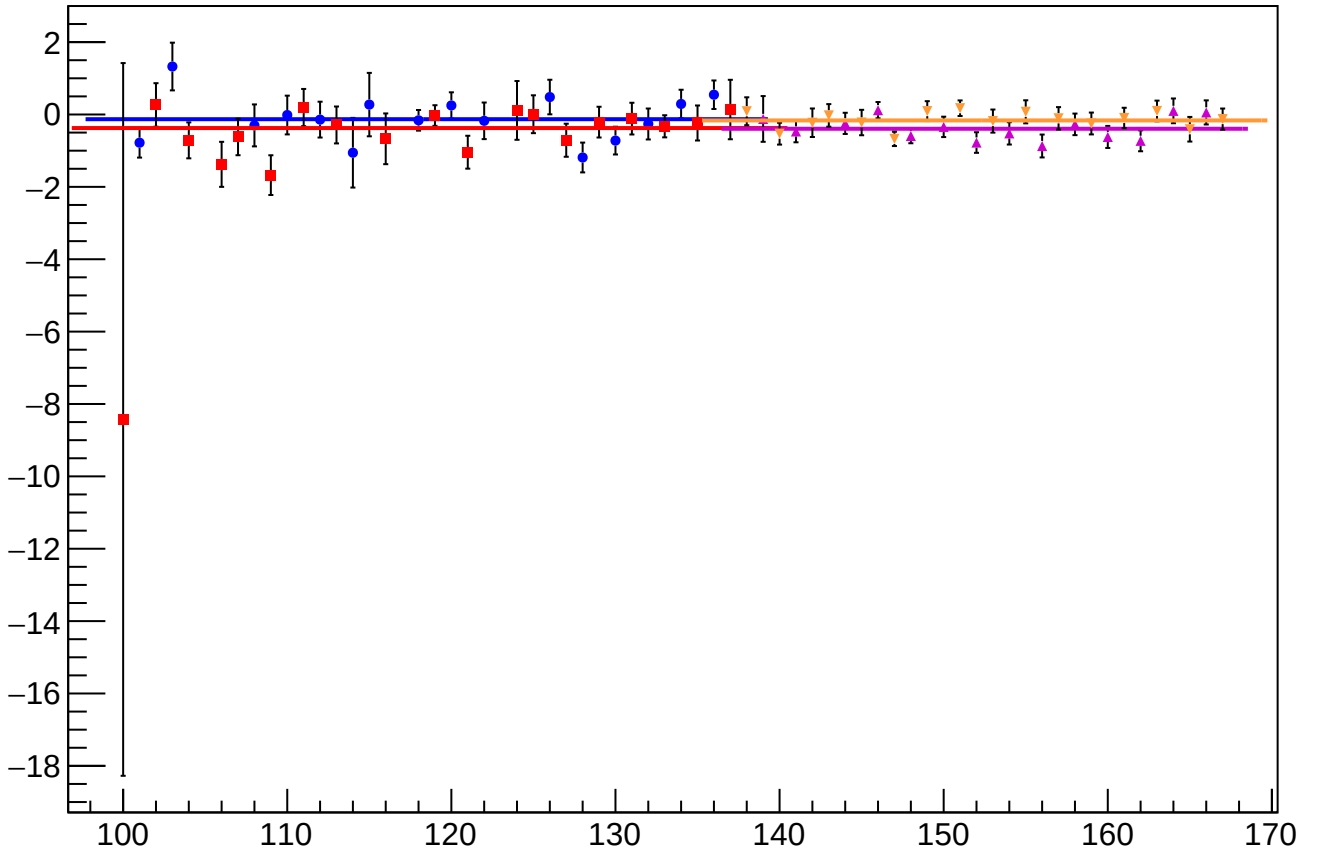
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: 0.522+/-0.108 χ²/NDF: 22.6/15
Left Out: -0.056+/-0.105 χ²/NDF:22.8/15
Right Out: 0.448+/-0.105 χ²/NDF: 11.4/18
Left In: -0.160+/-0.110 χ²/NDF:10.3/13
Left: -0.105+/-0.076 χ²/NDF: 33.6/29
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.187+/-0.077 χ²/NDF:52.4/29
Out: 0.195+/-0.074 χ²/NDF:45.7/34
All: 0.191+/-0.054 χ²/NDF: 98.1/64



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.164+/-0.073 χ^2/NDF:14.2/15

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.394+/-0.077 χ^2/NDF:16.9/13

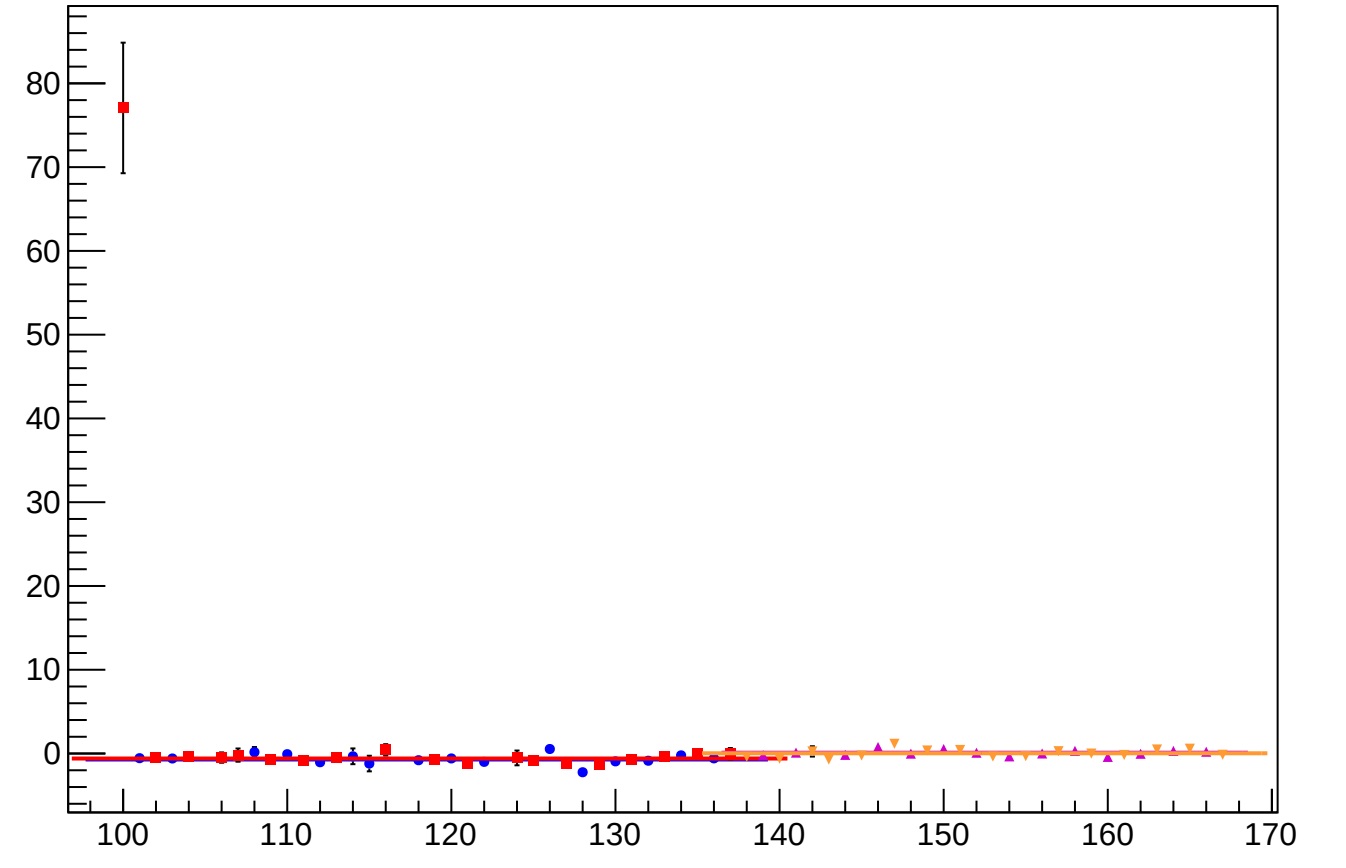
Left: -0.272+/-0.053 χ^2/NDF: 35.9/29

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.308+/-0.064 χ^2/NDF:45.3/29

Out: -0.227+/-0.061 χ^2/NDF:35.0/34

All: -0.266+/-0.044 χ^2/NDF: 81.1/64



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.029+/-0.102 χ^2/NDF:22.9/15

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.095+/-0.107 χ^2/NDF:8.8/13

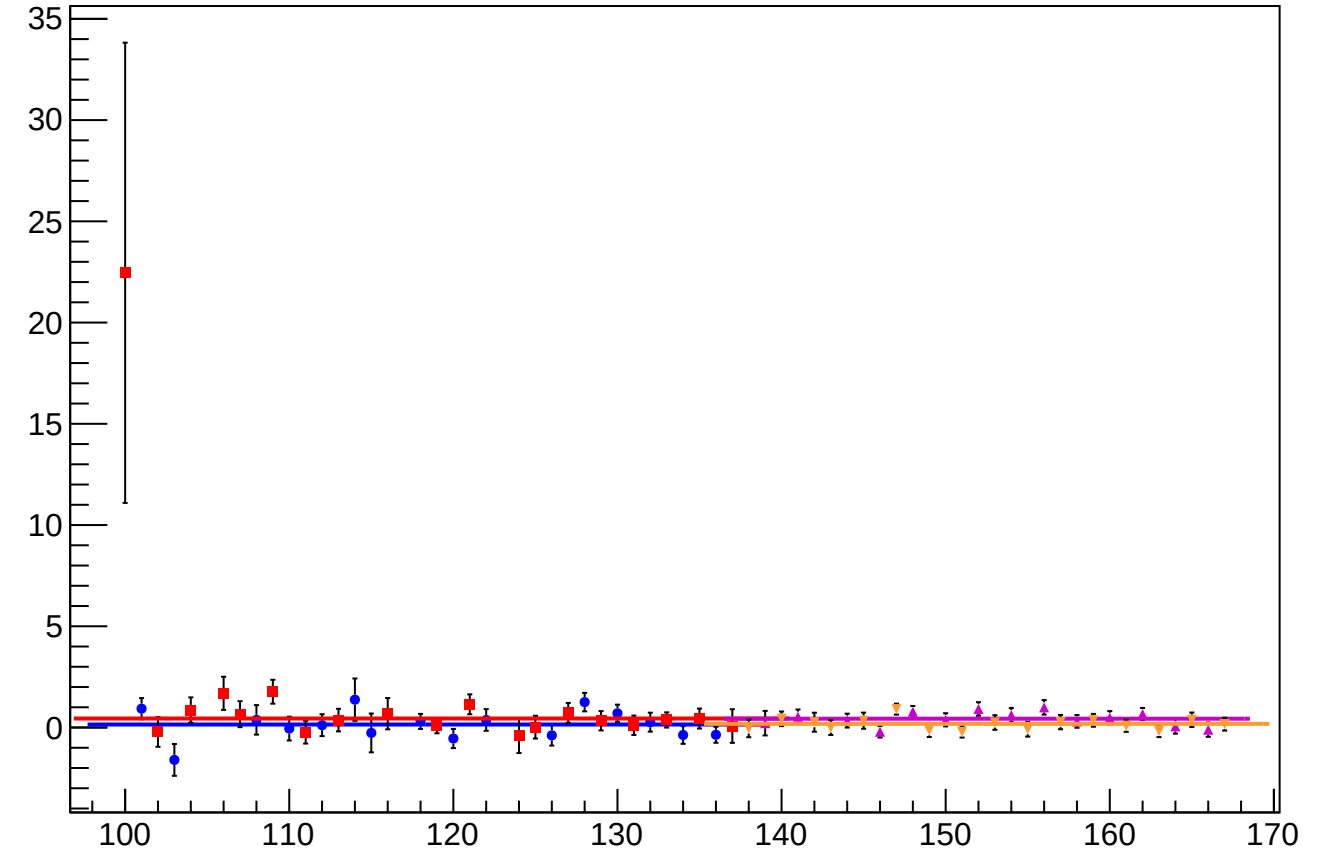
Left: 0.061+/-0.074 χ^2/NDF: 31.9/29

Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.257+/-0.080 χ^2/NDF:58.6/29

Out: -0.231+/-0.078 χ^2/NDF:149.3/34

All: -0.244+/-0.056 χ^2/NDF: 208.0/64



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.181+/-0.085 χ^2/NDF:14.1/15

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.435+/-0.090 χ^2/NDF:15.9/13

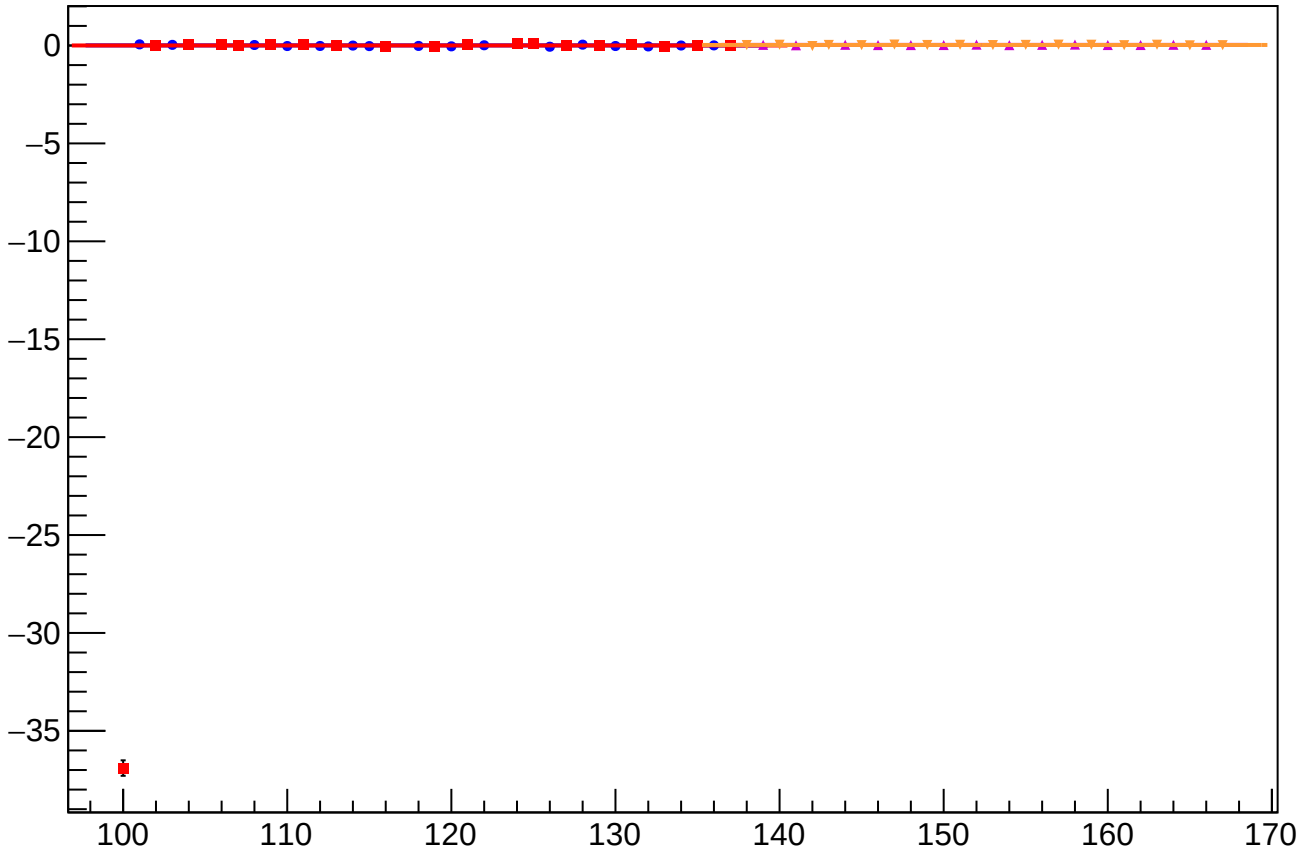
Left: 0.301+/-0.062 χ^2/NDF: 34.2/29

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.340+/-0.073 χ^2/NDF:42.5/29

Out: 0.261+/-0.071 χ^2/NDF:36.8/34

All: 0.299+/-0.051 χ^2/NDF: 79.8/64



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.028+/-0.004 χ^2/NDF:13.3/15

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.031+/-0.004 χ^2/NDF:5.5/13

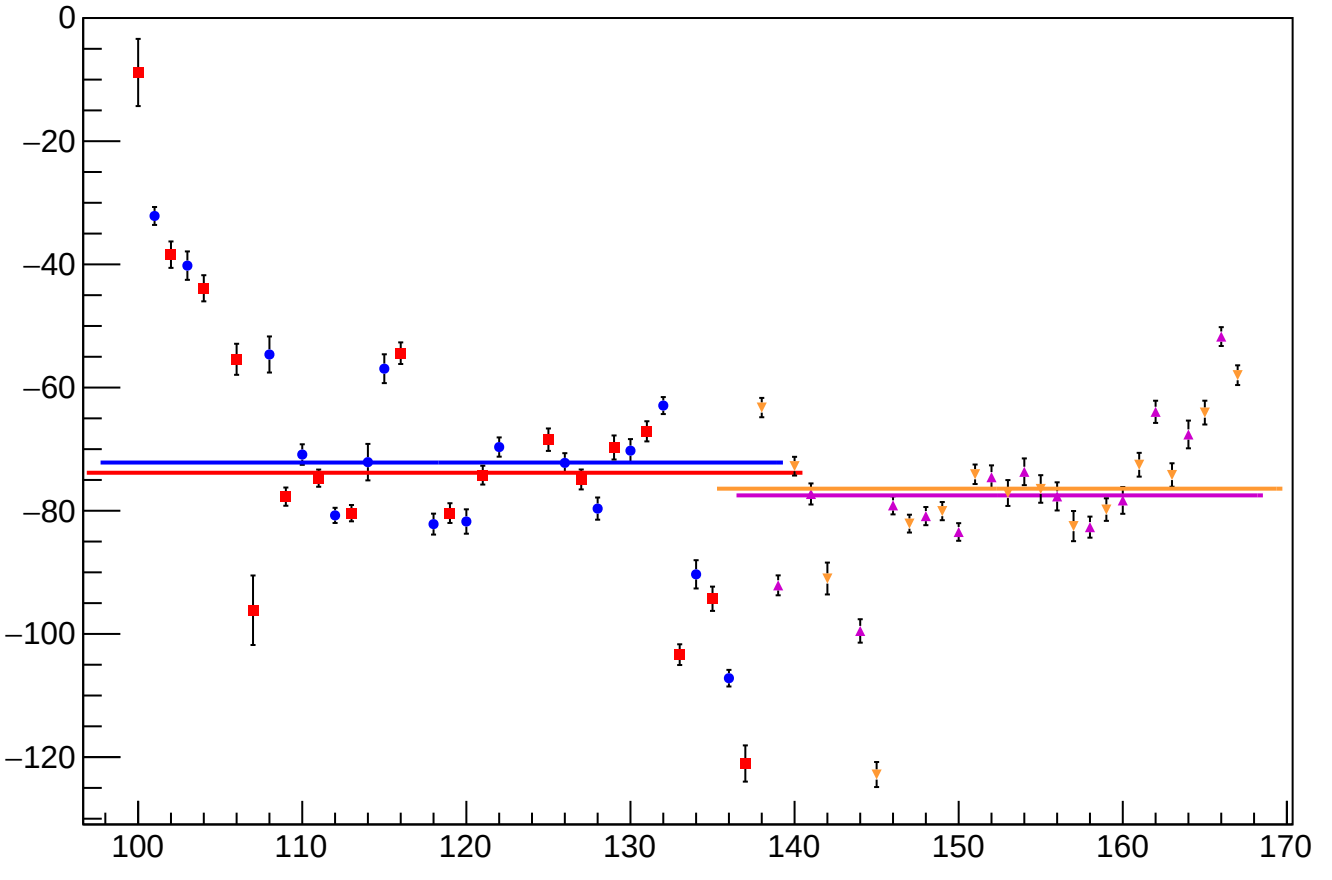
Left: 0.029+/-0.003 χ^2/NDF: 19.1/29

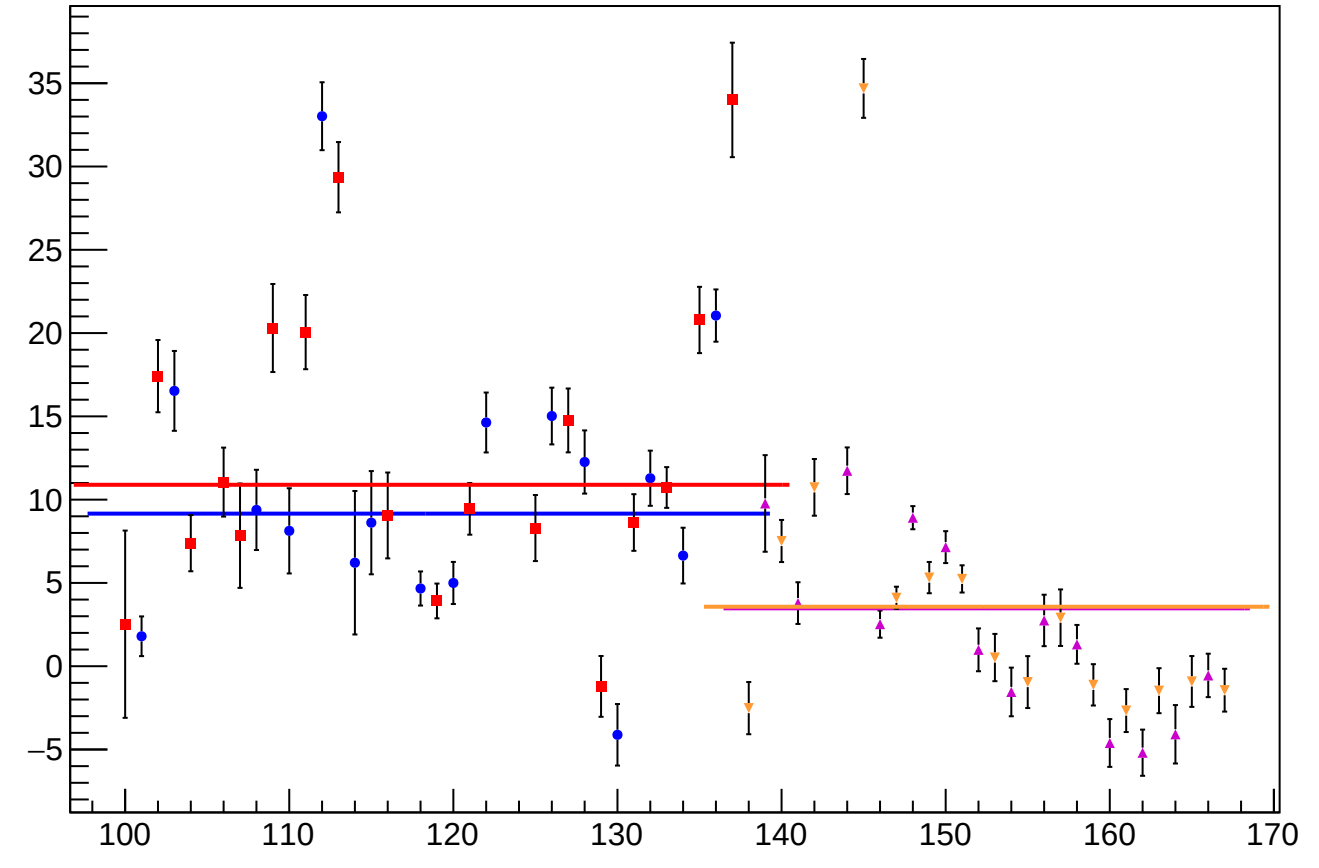
Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

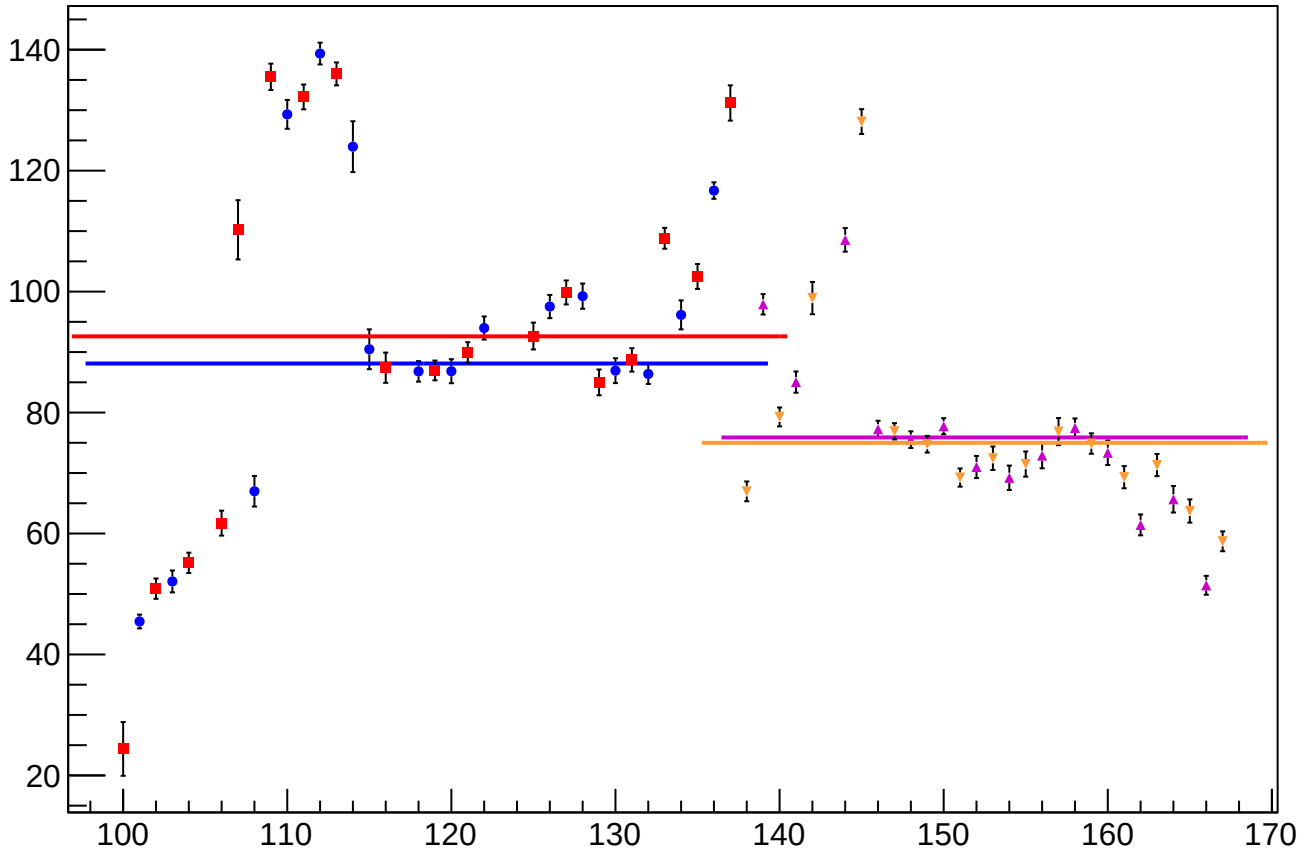
In: 0.025+/-0.004 χ^2/NDF:31.6/29

Out: 0.022+/-0.003 χ^2/NDF:8775.8/34

All: 0.024+/-0.002 χ^2/NDF: 8807.6/64


reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -72.173+/-0.432 χ²/NDF: 1936.0/15
Left Out: -76.415+/-0.463 χ²/NDF:841.4/14
Right Out: -73.831+/-0.431 χ²/NDF: 1557.7/17
Left In: -77.506+/-0.467 χ²/NDF:613.8/13
Left: -76.956+/-0.329 χ²/NDF: 1458.0/28
Right: -73.004+/-0.305 χ²/NDF: 3501.0/33
In: -74.629+/-0.317 χ²/NDF:2620.0/29
Out: -75.028+/-0.315 χ²/NDF:2415.8/32
All: -74.830+/-0.224 χ²/NDF: 5036.6/62


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 3.571+/-0.306 χ²/NDF:449.4/14
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 3.474+/-0.315 χ²/NDF:235.2/13
Left: 3.524+/-0.219 χ²/NDF: 684.7/28
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 5.490+/-0.253 χ²/NDF:702.8/29
Out: 5.957+/-0.251 χ²/NDF:926.1/32
All: 5.725+/-0.178 χ²/NDF: 1630.7/62



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 75.000+/-0.449 χ^2/NDF:946.1/14

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 75.883+/-0.452 χ^2/NDF:838.4/13

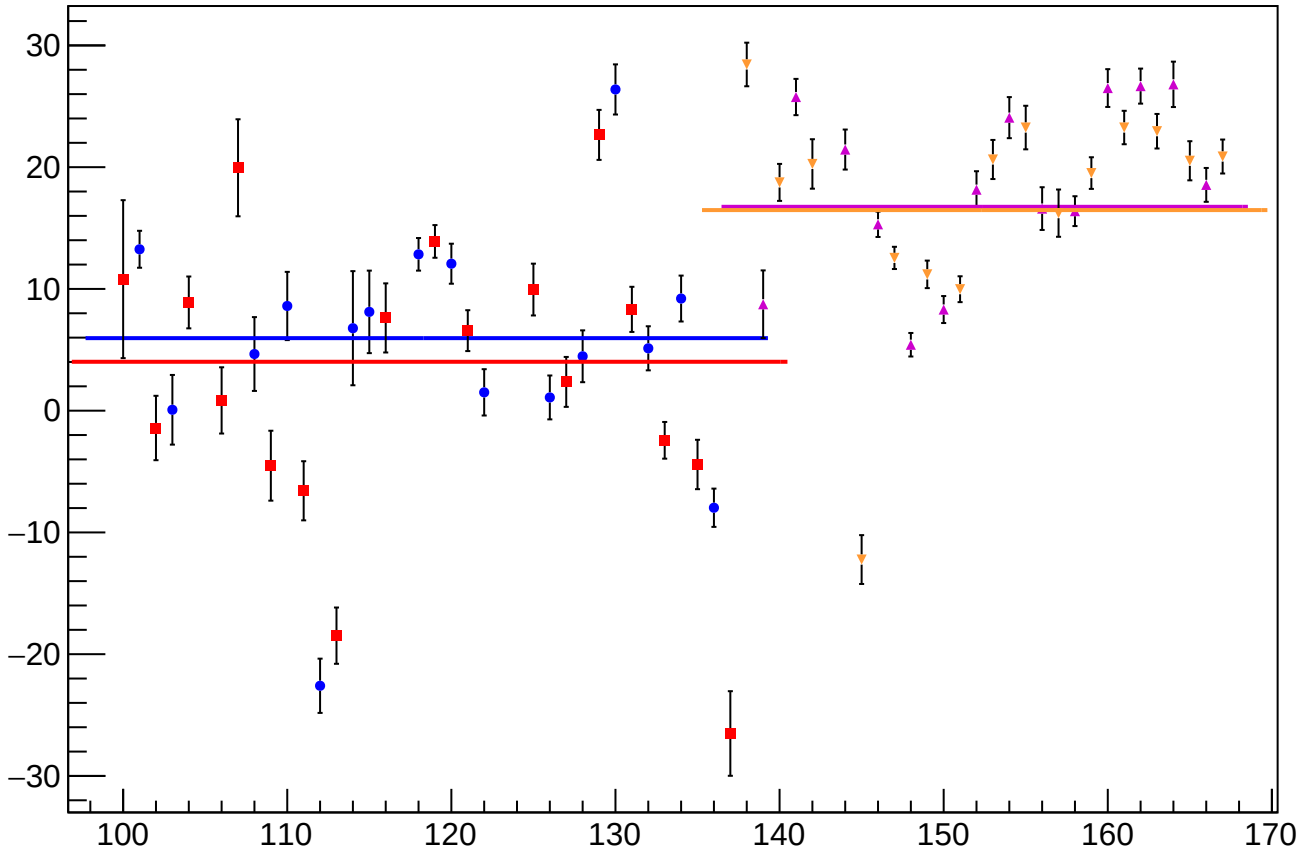
Left: 75.439+/-0.319 χ^2/NDF: 1786.5/28

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 81.772+/-0.325 χ^2/NDF:4753.0/29

Out: 83.163+/-0.329 χ^2/NDF:4868.3/32

All: 82.459+/-0.231 χ^2/NDF: 9630.3/62



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.475+/-0.363 χ^2/NDF:420.9/14

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.745+/-0.372 χ^2/NDF:388.0/13

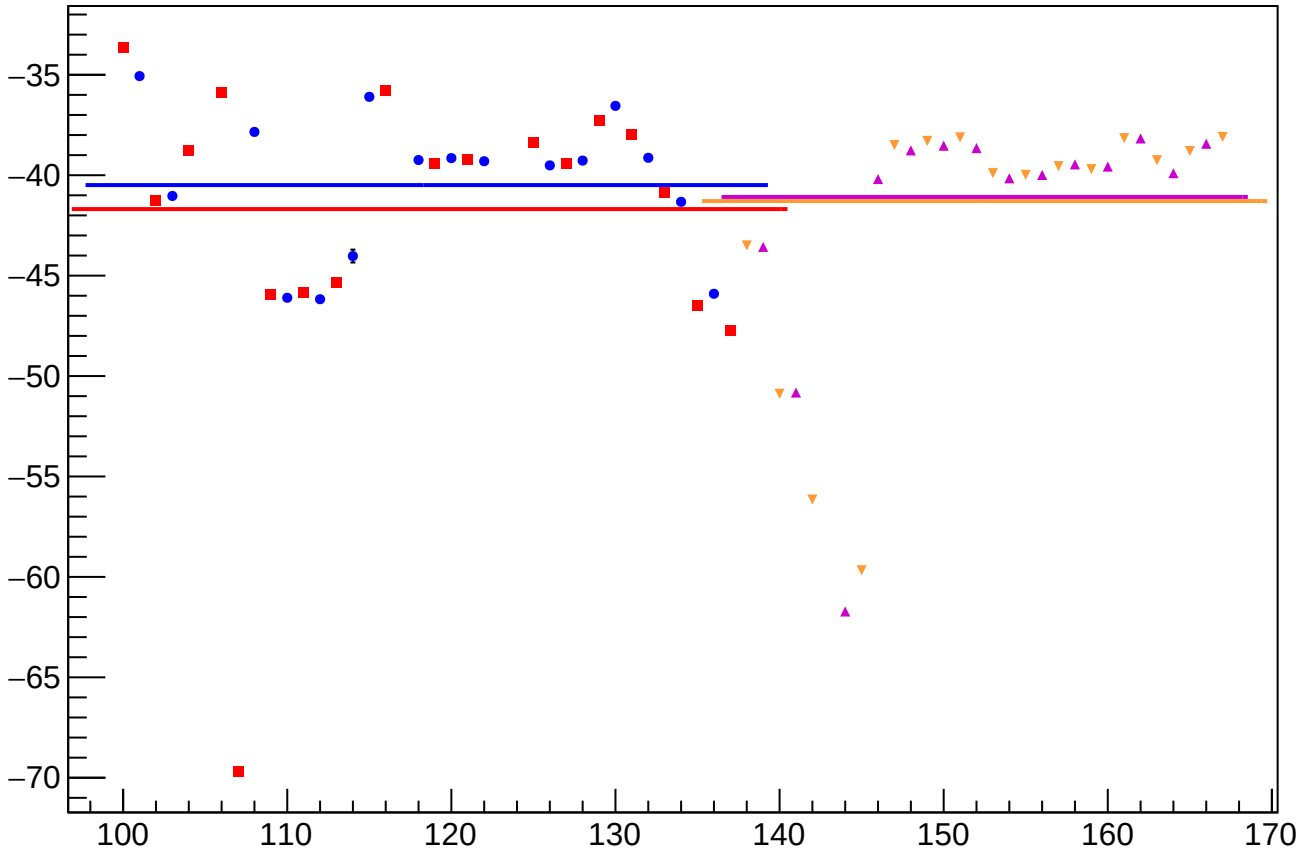
Left: 16.607+/-0.260 χ^2/NDF: 809.1/28

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 12.853+/-0.297 χ^2/NDF:1118.7/29

Out: 12.283+/-0.296 χ^2/NDF:1235.1/32

All: 12.566+/-0.210 χ^2/NDF: 2355.7/62



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.288+/-0.017 χ^2/NDF:106671.6/14

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -41.081+/-0.017 χ^2/NDF:86448.7/13

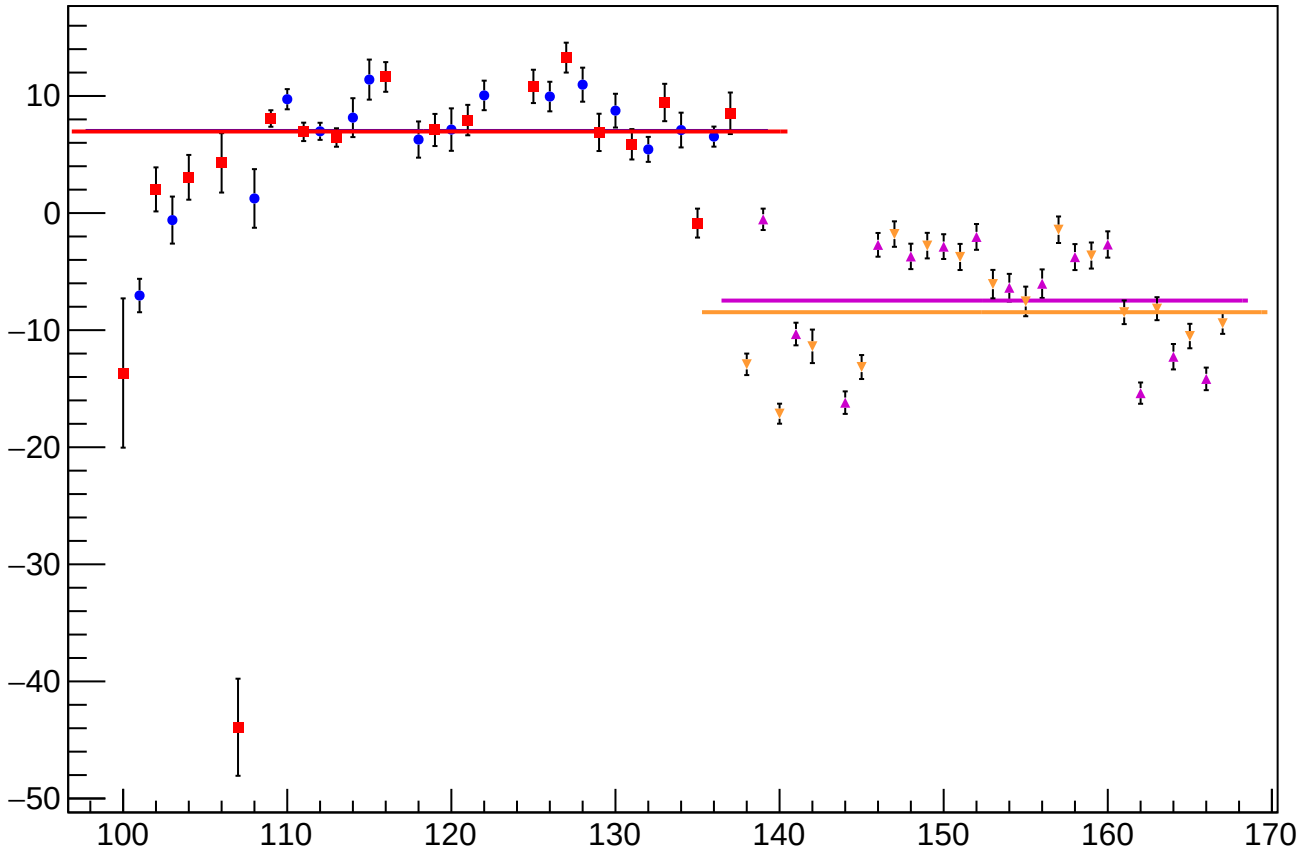
Left: -41.185+/-0.012 χ^2/NDF: 193192.1/28

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.922+/-0.015 χ^2/NDF:104891.6/29

Out: -41.390+/-0.015 χ^2/NDF:143647.5/32

All: -41.154+/-0.010 χ^2/NDF: 249041.3/62



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.466+/-0.272 χ^2/NDF:301.1/14

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -7.474+/-0.277 χ^2/NDF:401.0/13

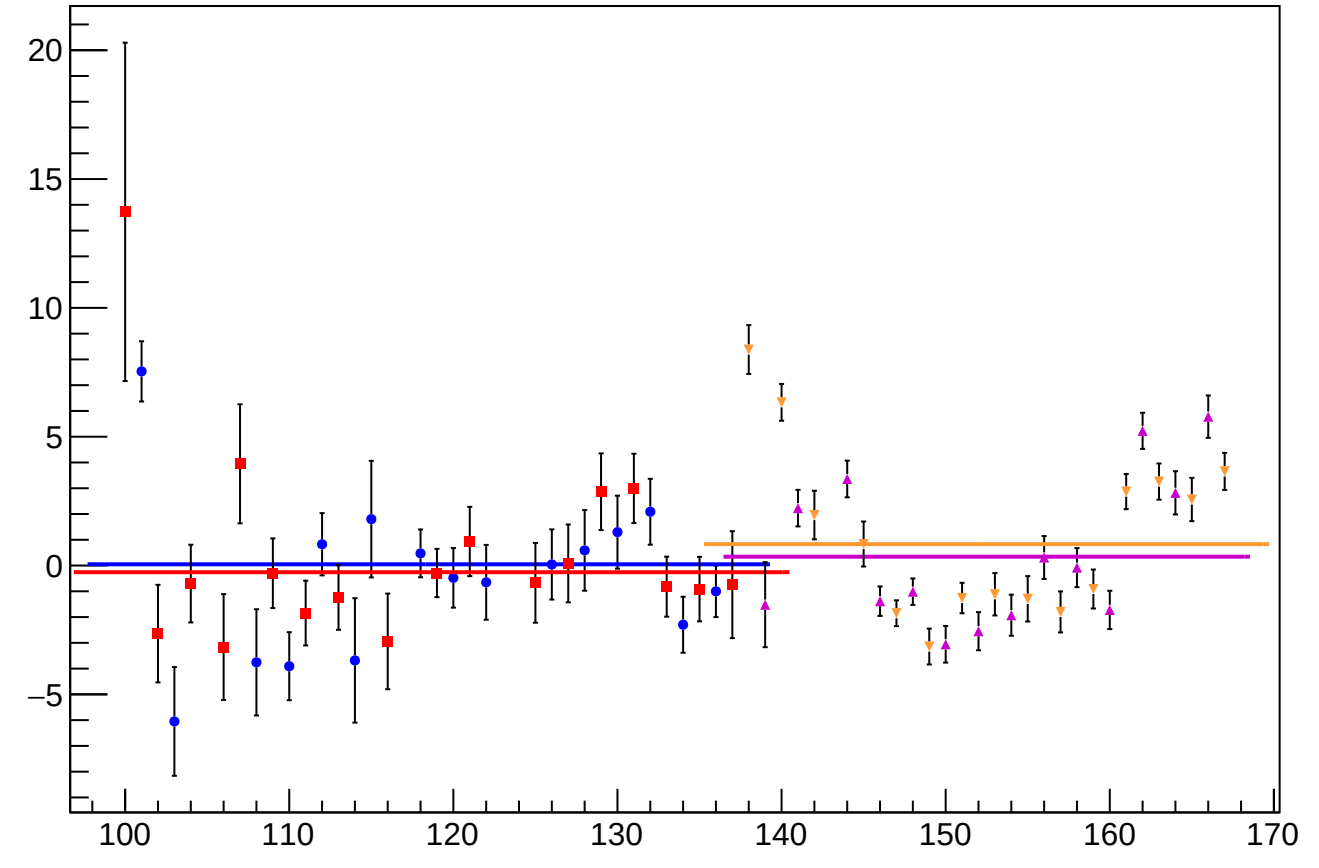
Left: -7.980+/-0.194 χ^2/NDF: 708.6/28

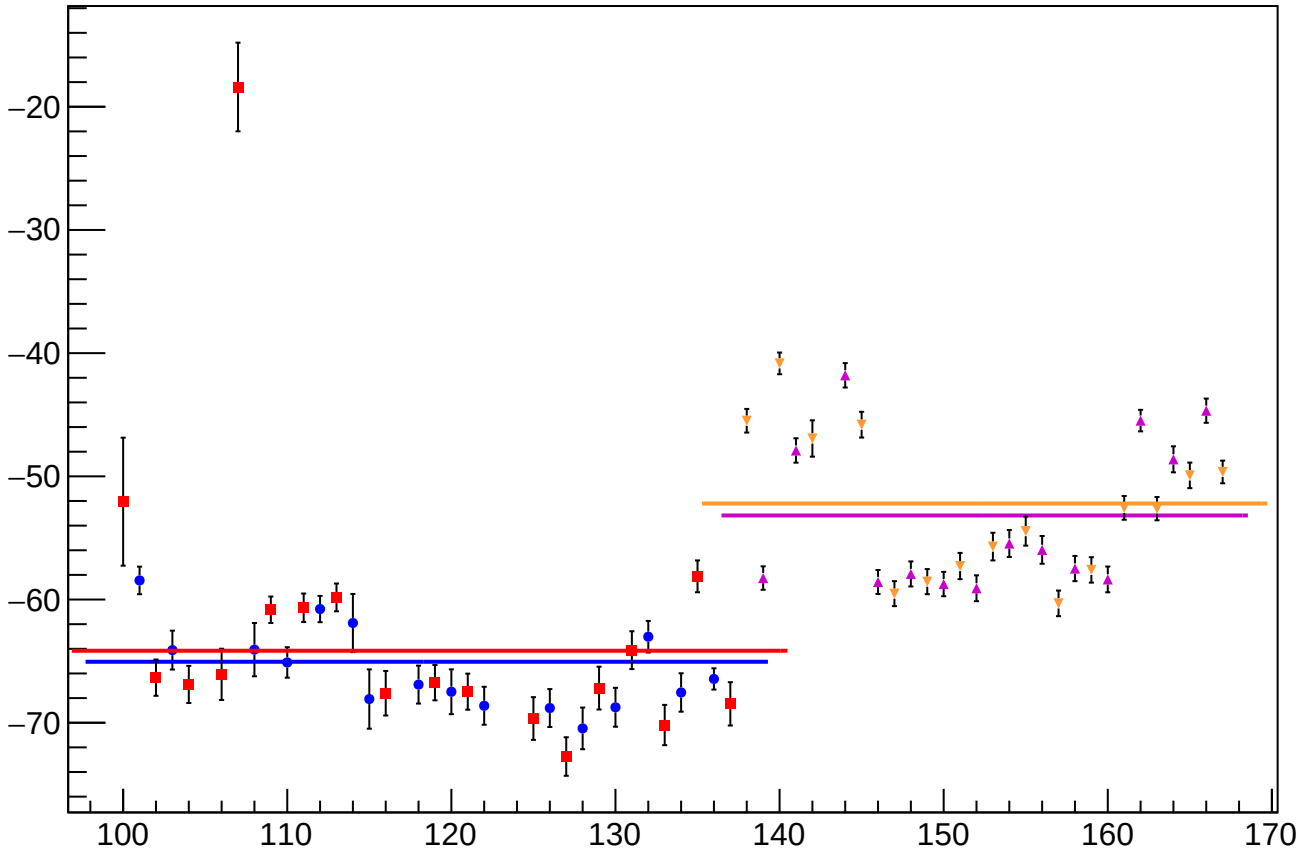
Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

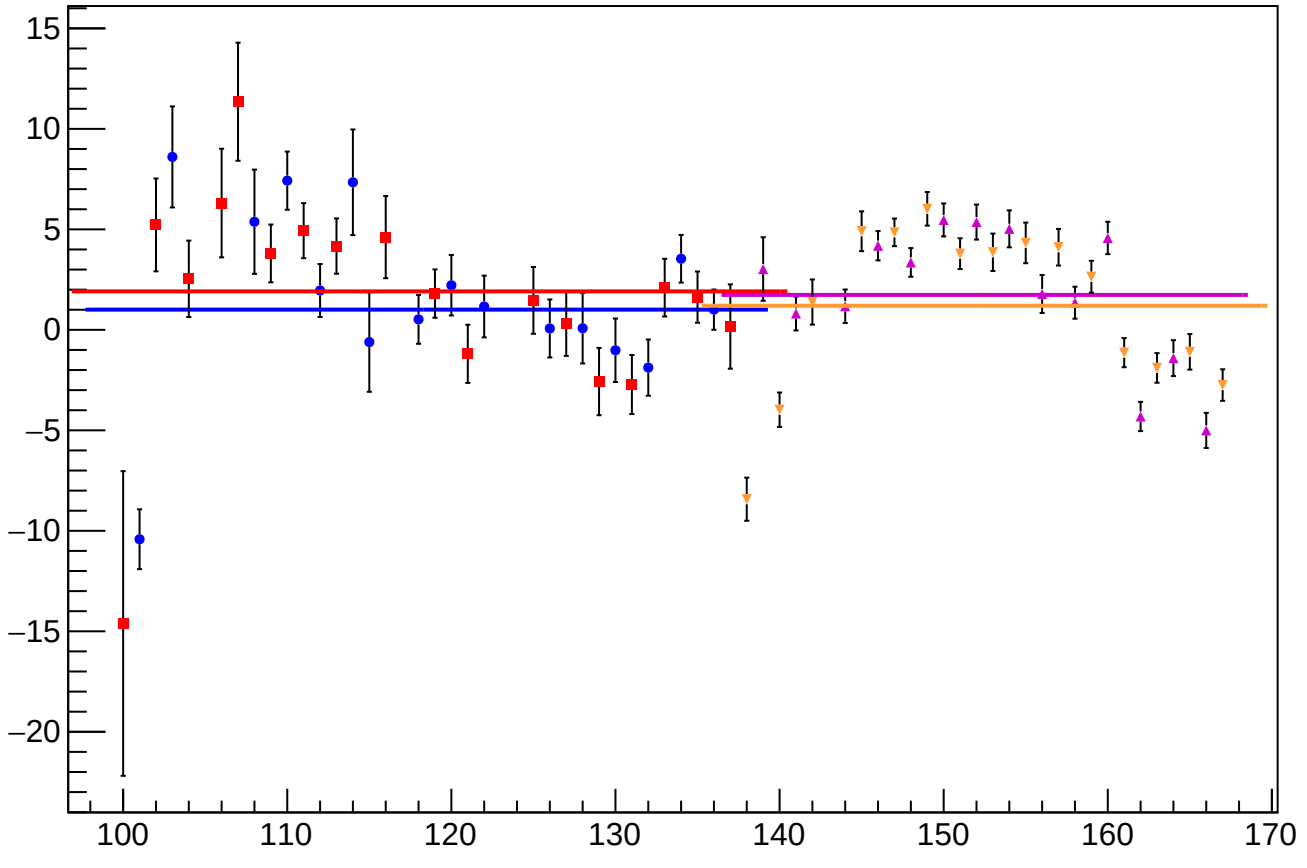
In: -1.022+/-0.206 χ^2/NDF:1773.9/29

Out: -1.465+/-0.201 χ^2/NDF:2030.5/32

All: -1.249+/-0.144 χ^2/NDF: 3806.8/62


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.048+/-0.331 χ²/NDF: 75.0/15
Left Out: 0.832+/-0.189 χ²/NDF:266.4/14
Right Out: -0.259+/-0.344 χ²/NDF: 27.5/17
Left In: 0.343+/-0.194 χ²/NDF:197.7/13
Left: 0.594+/-0.135 χ²/NDF: 467.3/28
Right: -0.099+/-0.239 χ²/NDF: 102.9/33
In: 0.268+/-0.168 χ²/NDF:273.3/29
Out: 0.580+/-0.166 χ²/NDF:301.6/32
All: 0.426+/-0.118 χ²/NDF: 576.6/62


reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -65.051+/-0.354 χ²/NDF: 92.8/15
Left Out: -52.206+/-0.265 χ²/NDF:494.5/14
Right Out: -64.156+/-0.360 χ²/NDF: 303.7/17
Left In: -53.176+/-0.269 χ²/NDF:529.0/13
Left: -52.684+/-0.189 χ²/NDF: 1030.1/28
Right: -64.611+/-0.253 χ²/NDF: 399.6/33
In: -57.520+/-0.214 χ²/NDF:1335.5/29
Out: -56.397+/-0.213 χ²/NDF:1511.7/32
All: -56.957+/-0.151 χ²/NDF: 2861.0/62



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 1.199+/-0.219 χ^2/NDF:295.5/14

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 1.739+/-0.225 χ^2/NDF:222.9/13

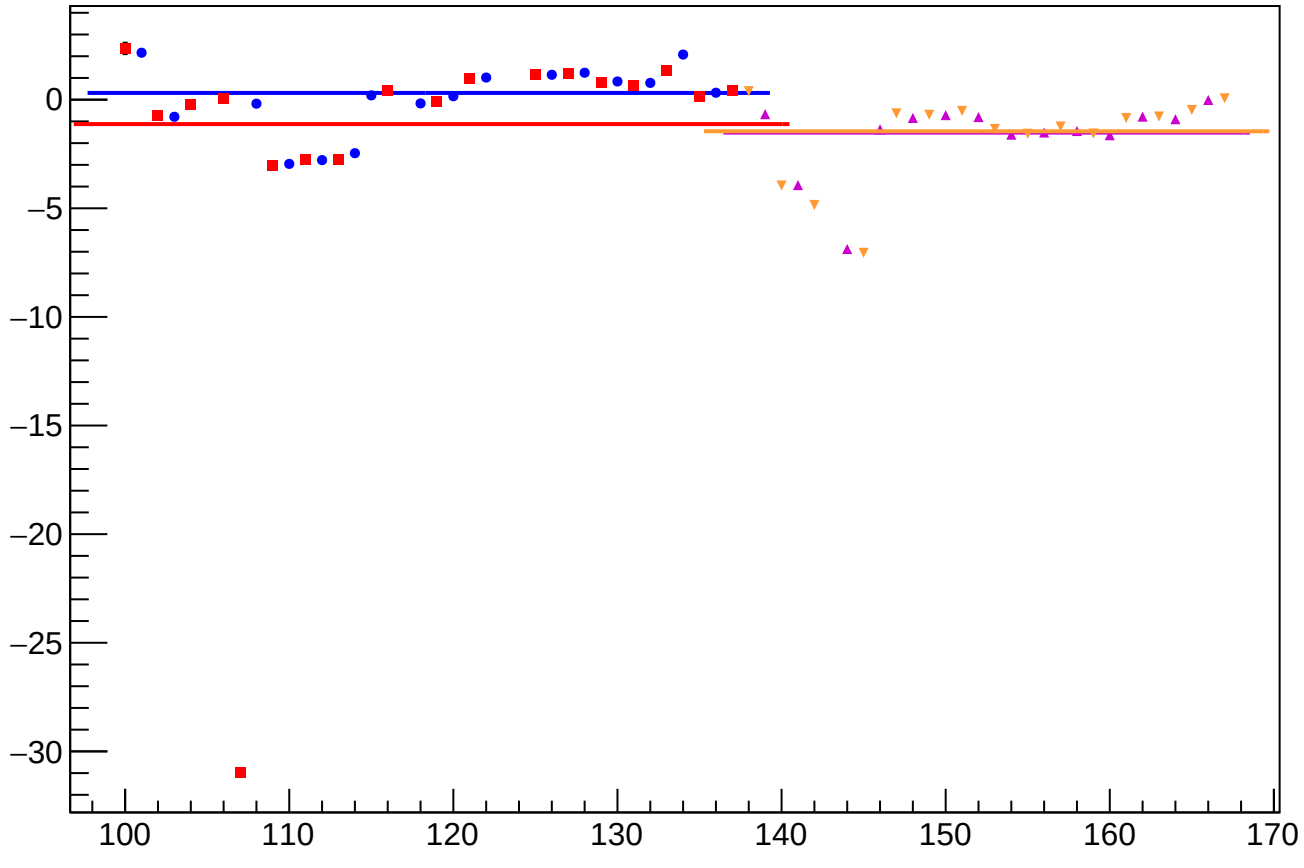
Left: 1.461+/-0.157 χ^2/NDF: 521.4/28

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.546+/-0.193 χ^2/NDF:335.0/29

Out: 1.370+/-0.191 χ^2/NDF:352.5/32

All: 1.457+/-0.136 χ^2/NDF: 687.9/62



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.454+/-0.010 χ^2/NDF:32632.3/14

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.517+/-0.010 χ^2/NDF:22103.2/13

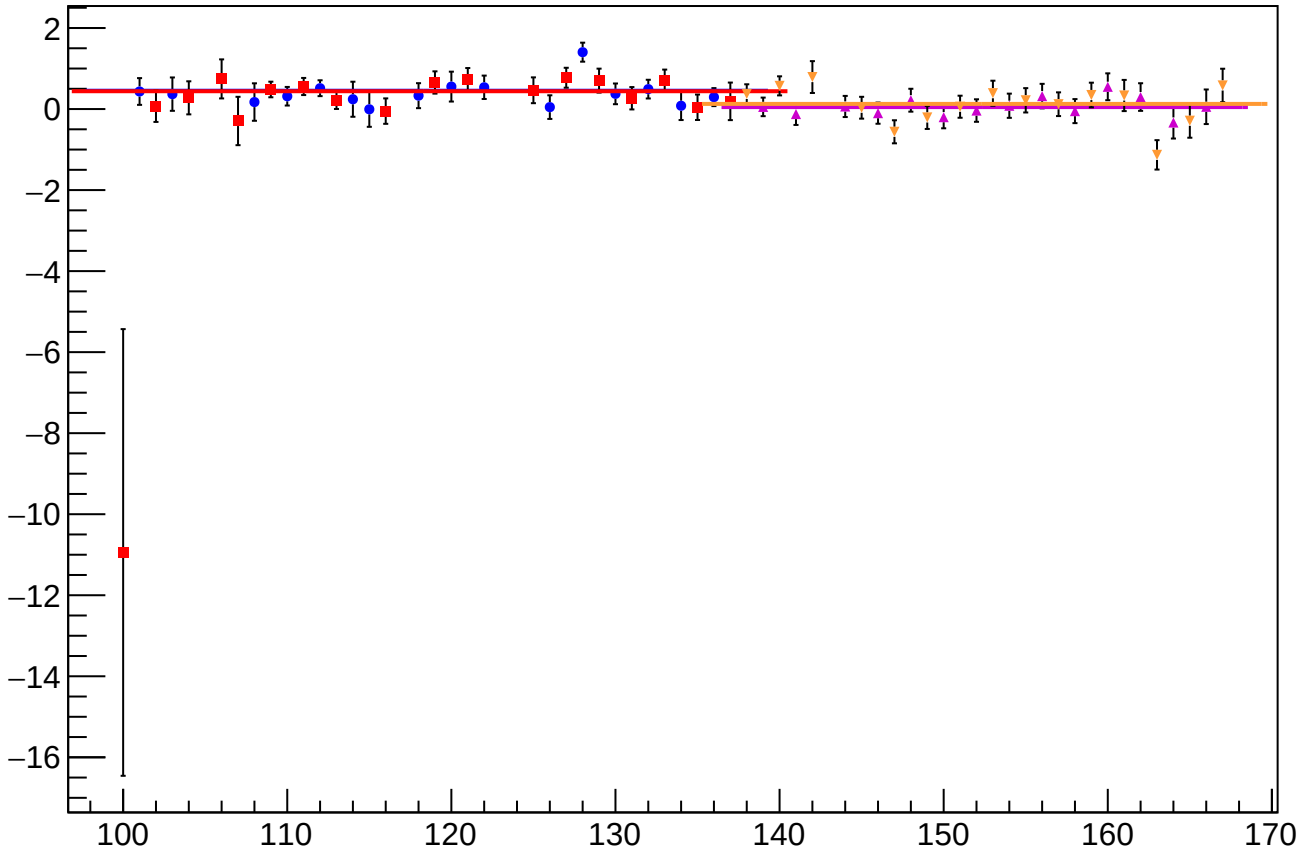
Left: -1.485+/-0.007 χ^2/NDF: 54754.8/28

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.173+/-0.009 χ^2/NDF:33059.6/29

Out: -1.399+/-0.009 χ^2/NDF:79164.5/32

All: -1.287+/-0.006 χ^2/NDF: 112531.6/62



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.127+/-0.078 χ^2/NDF:30.7/14

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.048+/-0.078 χ^2/NDF:6.7/13

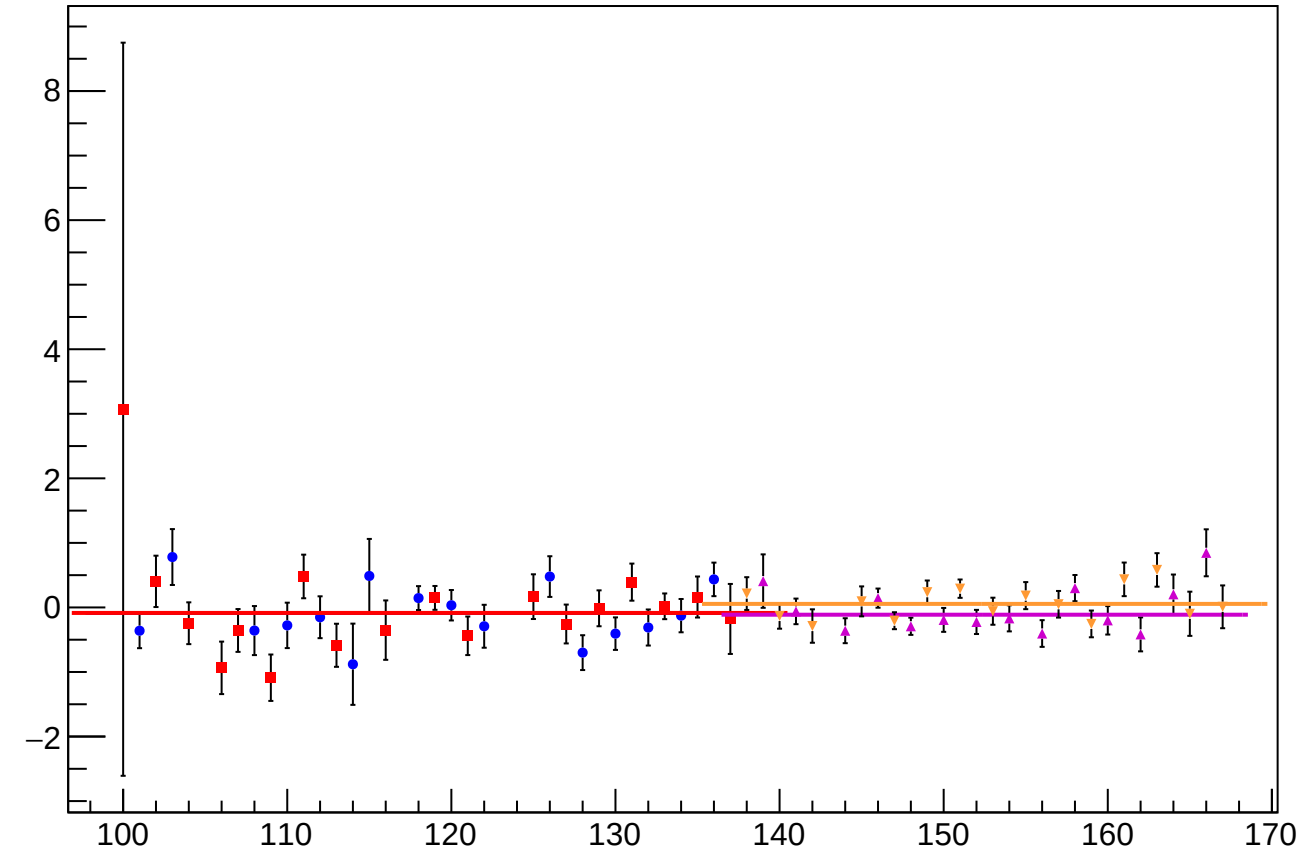
Left: 0.088+/-0.055 χ^2/NDF: 37.9/28

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.269+/-0.053 χ^2/NDF:43.9/29

Out: 0.301+/-0.052 χ^2/NDF:58.3/32

All: 0.285+/-0.037 χ^2/NDF: 102.3/62



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.055+/-0.053 χ^2/NDF:20.1/14

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.113+/-0.054 χ^2/NDF:24.3/13

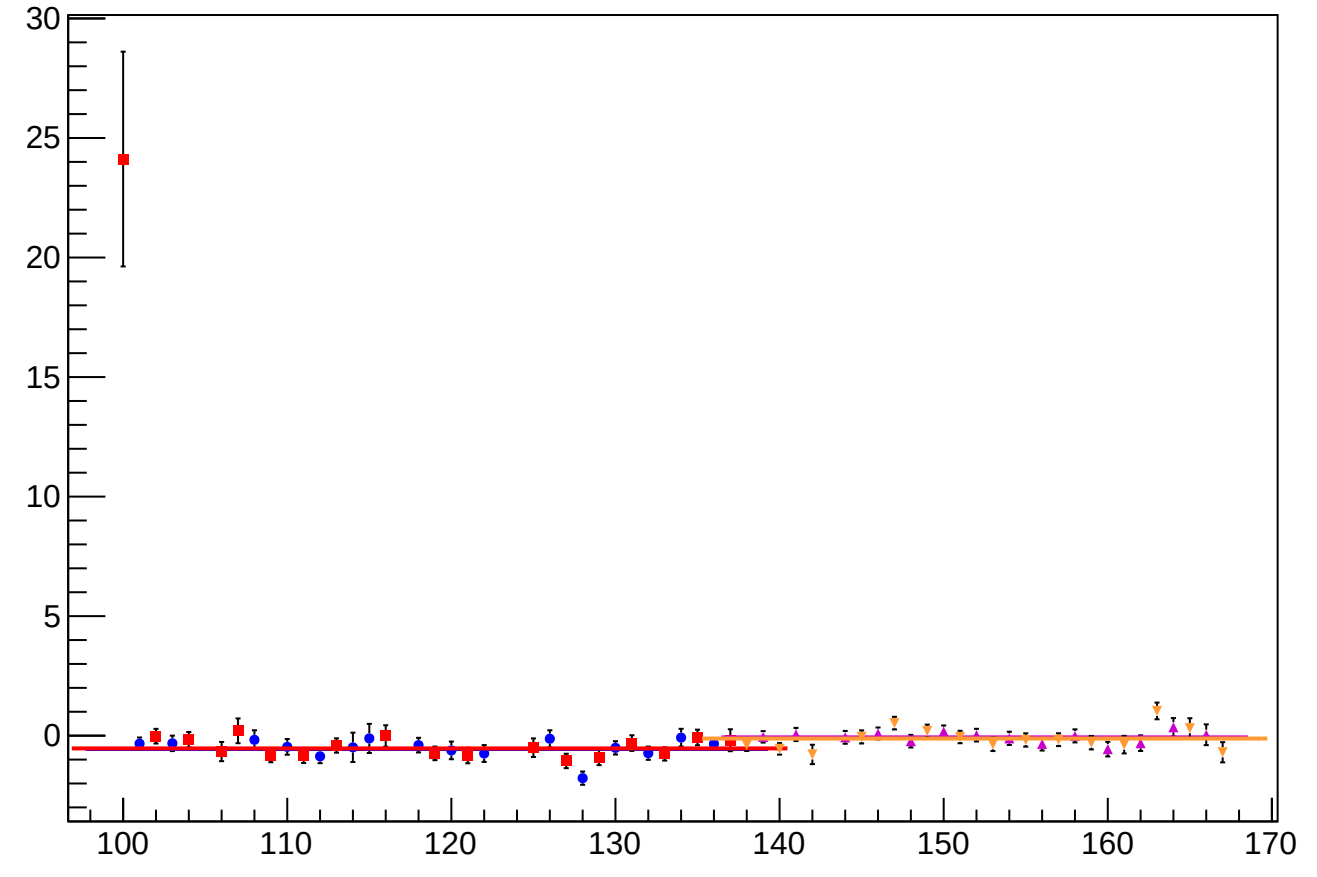
Left: -0.028+/-0.038 χ^2/NDF: 49.4/28

Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.103+/-0.043 χ^2/NDF:49.8/29

Out: 0.007+/-0.043 χ^2/NDF:50.4/32

All: -0.048+/-0.031 χ^2/NDF: 103.4/62



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.120+/-0.076 χ^2/NDF:29.9/14

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.071+/-0.076 χ^2/NDF:7.4/13

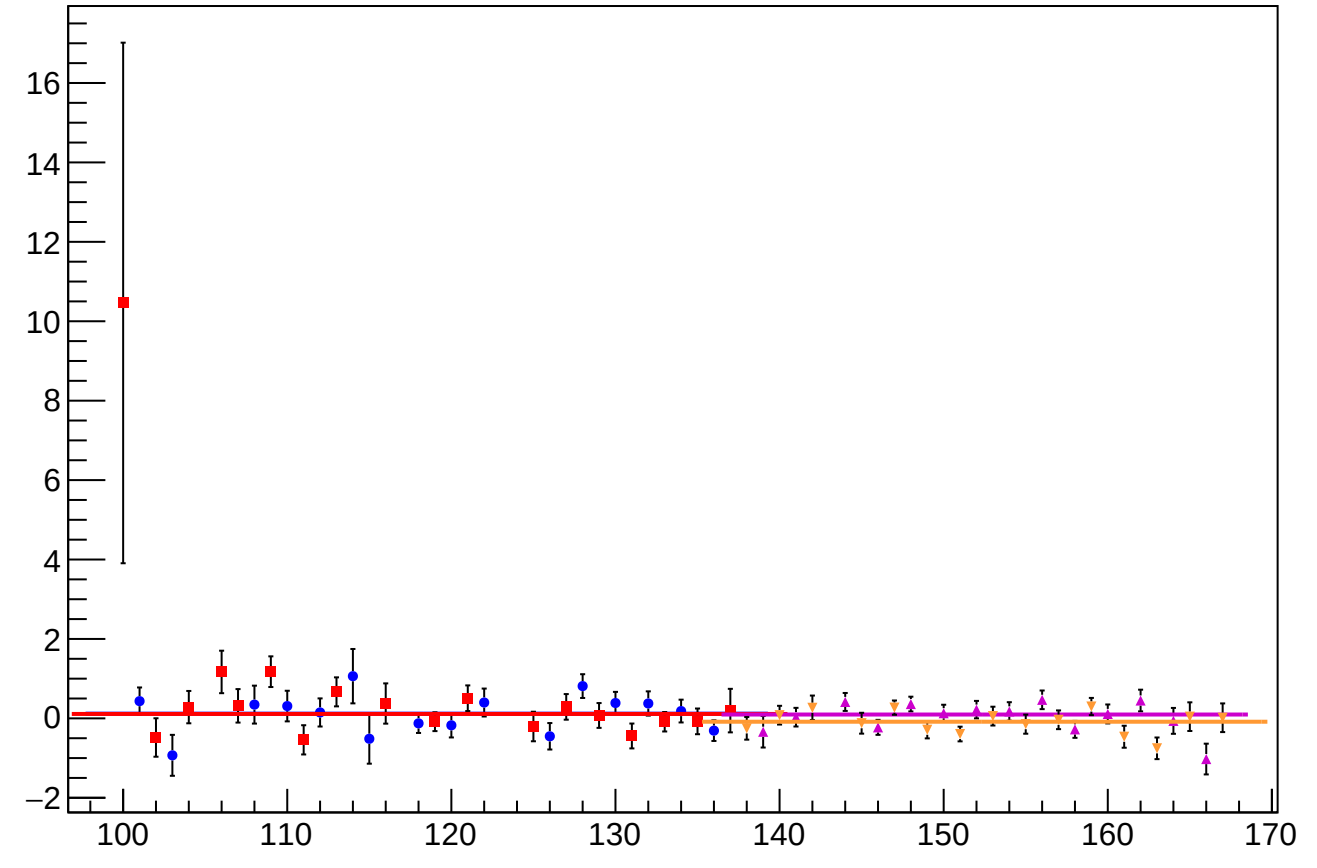
Left: -0.095+/-0.054 χ^2/NDF: 37.5/28

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.301+/-0.055 χ^2/NDF:55.4/29

Out: -0.314+/-0.055 χ^2/NDF:93.1/32

All: -0.308+/-0.039 χ^2/NDF: 148.6/62



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.085+/-0.063 χ^2/NDF:21.4/14

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.097+/-0.063 χ^2/NDF:24.5/13

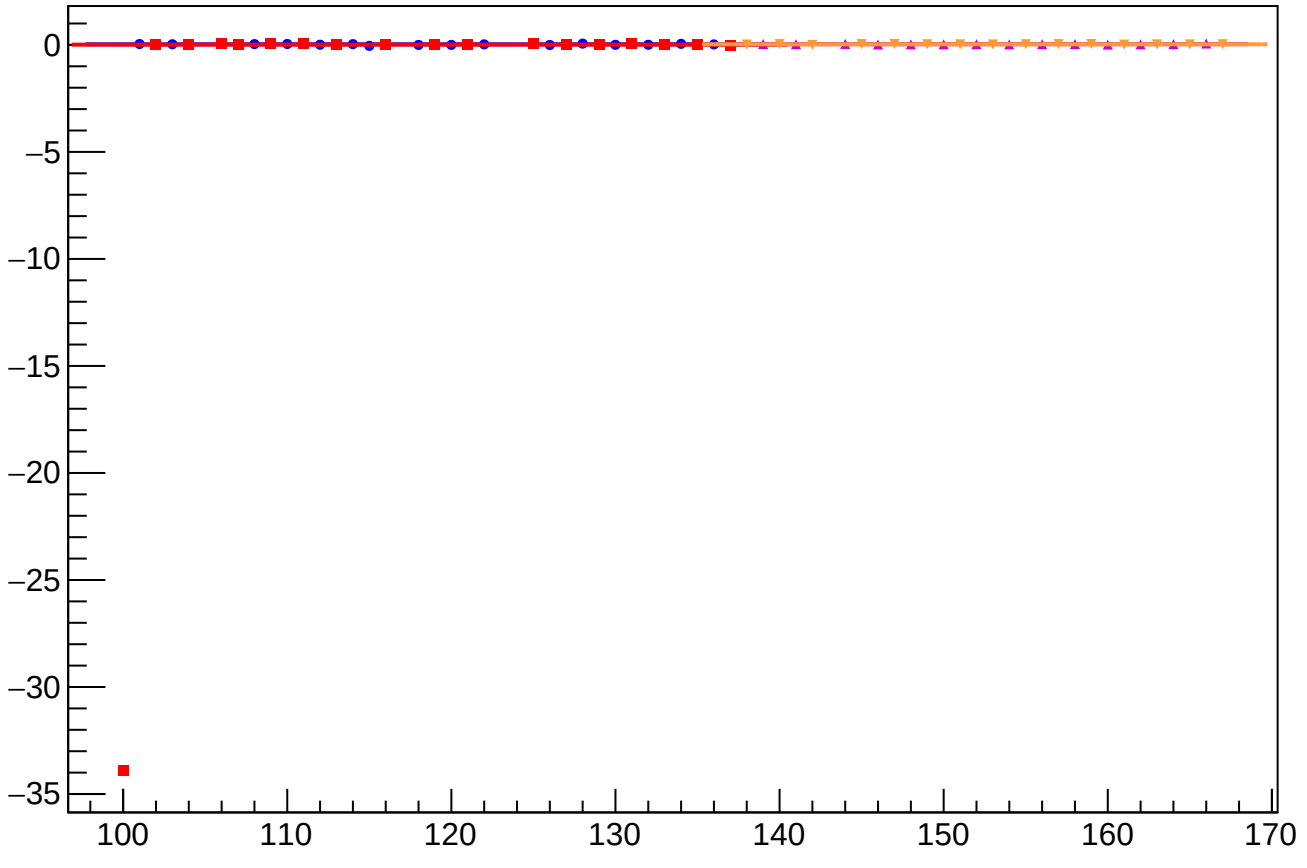
Left: 0.005+/-0.045 χ^2/NDF: 50.0/28

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.104+/-0.051 χ^2/NDF:48.2/29

Out: -0.015+/-0.051 χ^2/NDF:53.8/32

All: 0.045+/-0.036 χ^2/NDF: 104.8/62



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:11.6/14

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.033+/-0.003 χ^2/NDF:12.5/13

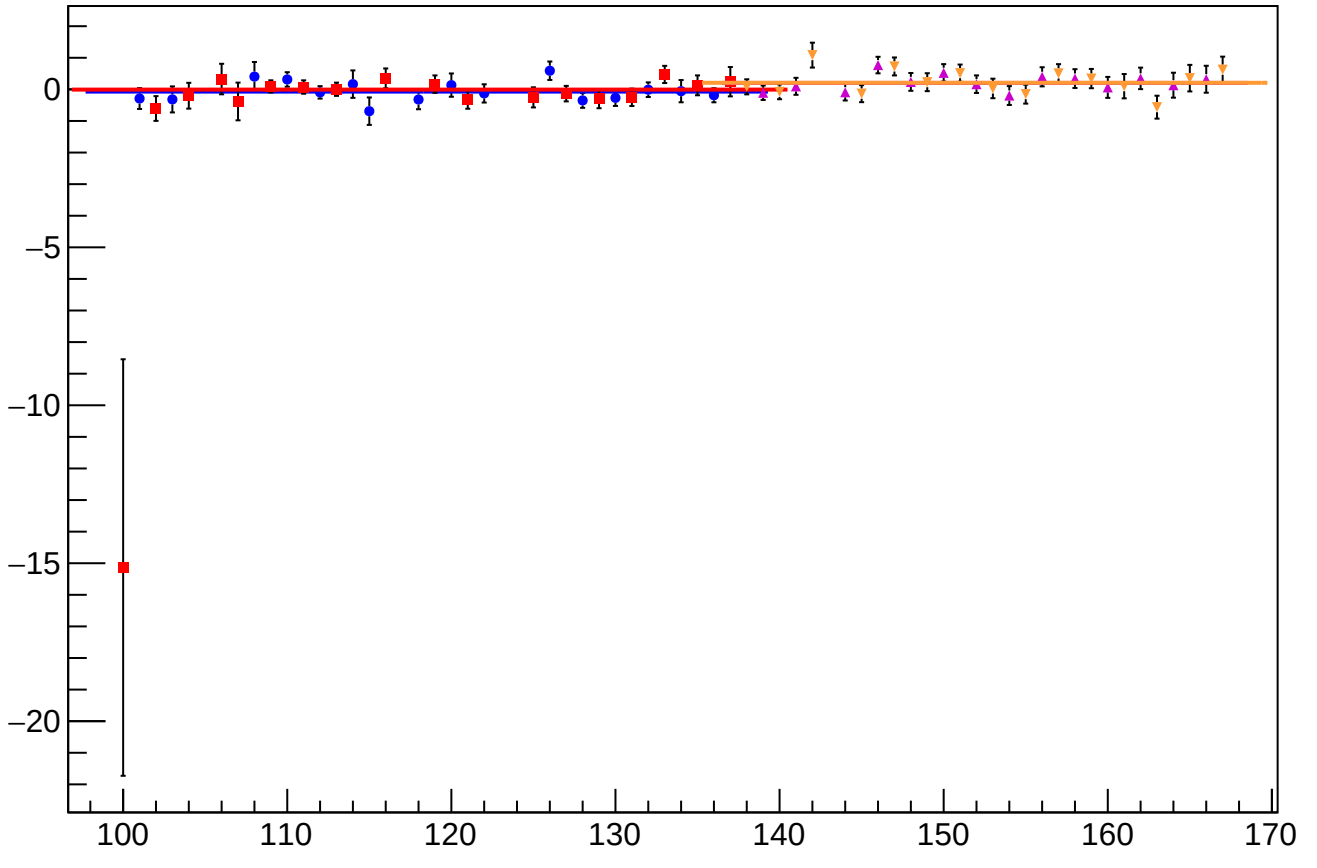
Left: 0.031+/-0.002 χ^2/NDF: 25.7/28

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.032+/-0.002 χ^2/NDF:28.2/29

Out: 0.024+/-0.002 χ^2/NDF:22281.9/32

All: 0.028+/-0.002 χ^2/NDF: 22315.0/62



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.208+/-0.078 χ^2/NDF:21.6/14

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.204+/-0.078 χ^2/NDF:12.2/13

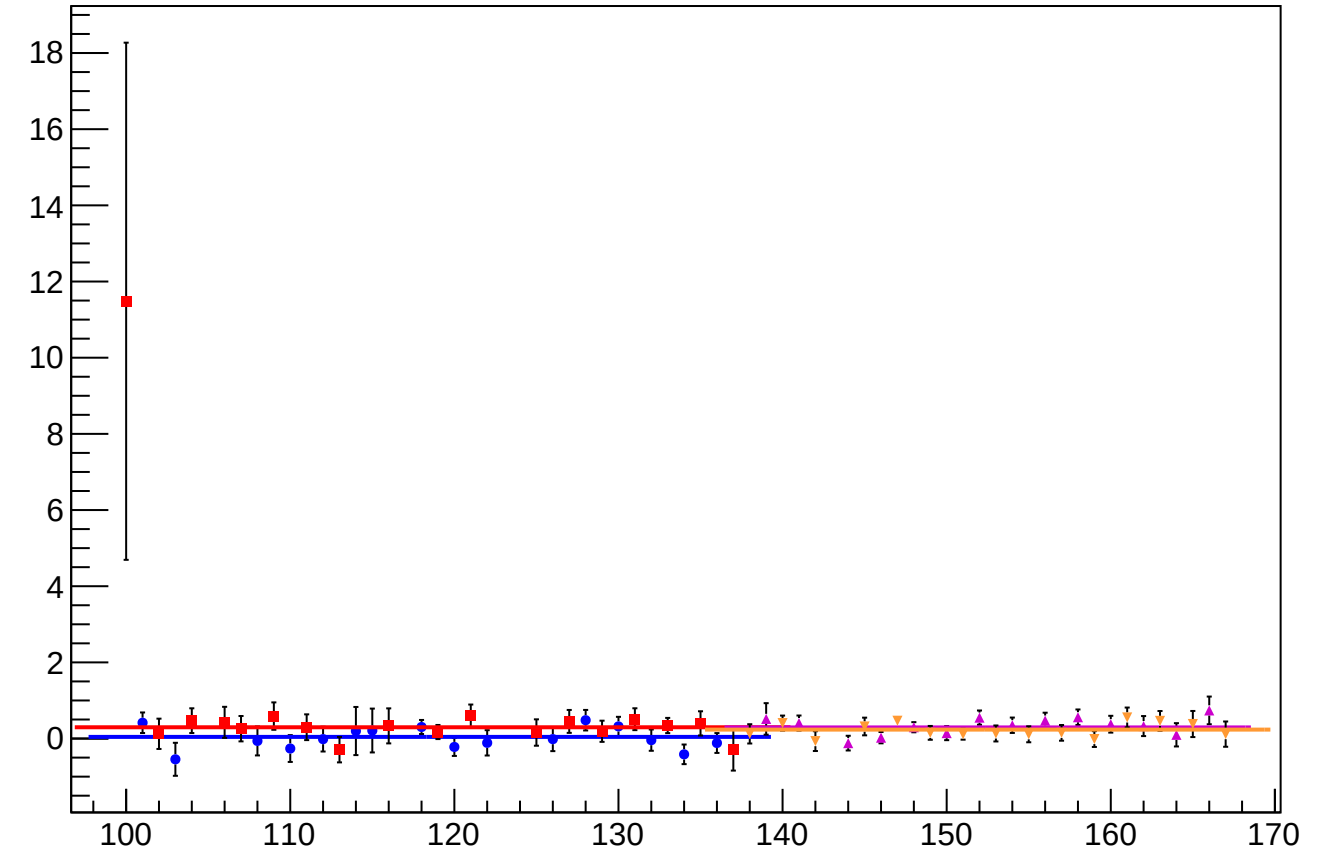
Left: 0.206+/-0.055 χ^2/NDF: 33.8/28

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.054+/-0.053 χ^2/NDF:34.4/29

Out: 0.088+/-0.052 χ^2/NDF:44.0/32

All: 0.072+/-0.037 χ^2/NDF: 78.7/62



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.235+/-0.053 χ^2/NDF:11.3/14

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.292+/-0.054 χ^2/NDF:15.6/13

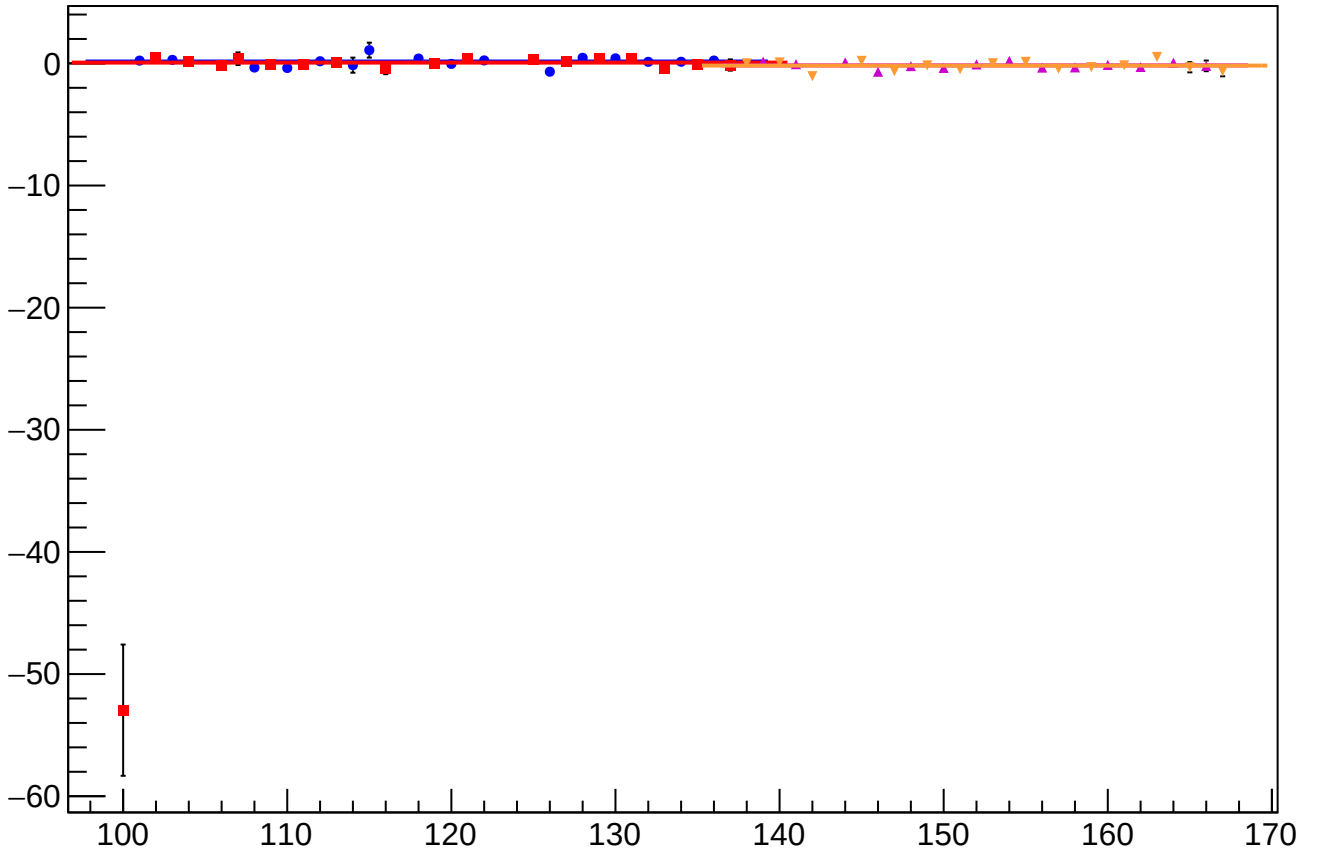
Left: 0.263+/-0.038 χ^2/NDF: 27.5/28

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.204+/-0.043 χ^2/NDF:38.8/29

Out: 0.256+/-0.043 χ^2/NDF:22.7/32

All: 0.230+/-0.031 χ^2/NDF: 62.3/62



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.180+/-0.076 χ^2/NDF:20.7/14

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.163+/-0.076 χ^2/NDF:10.7/13

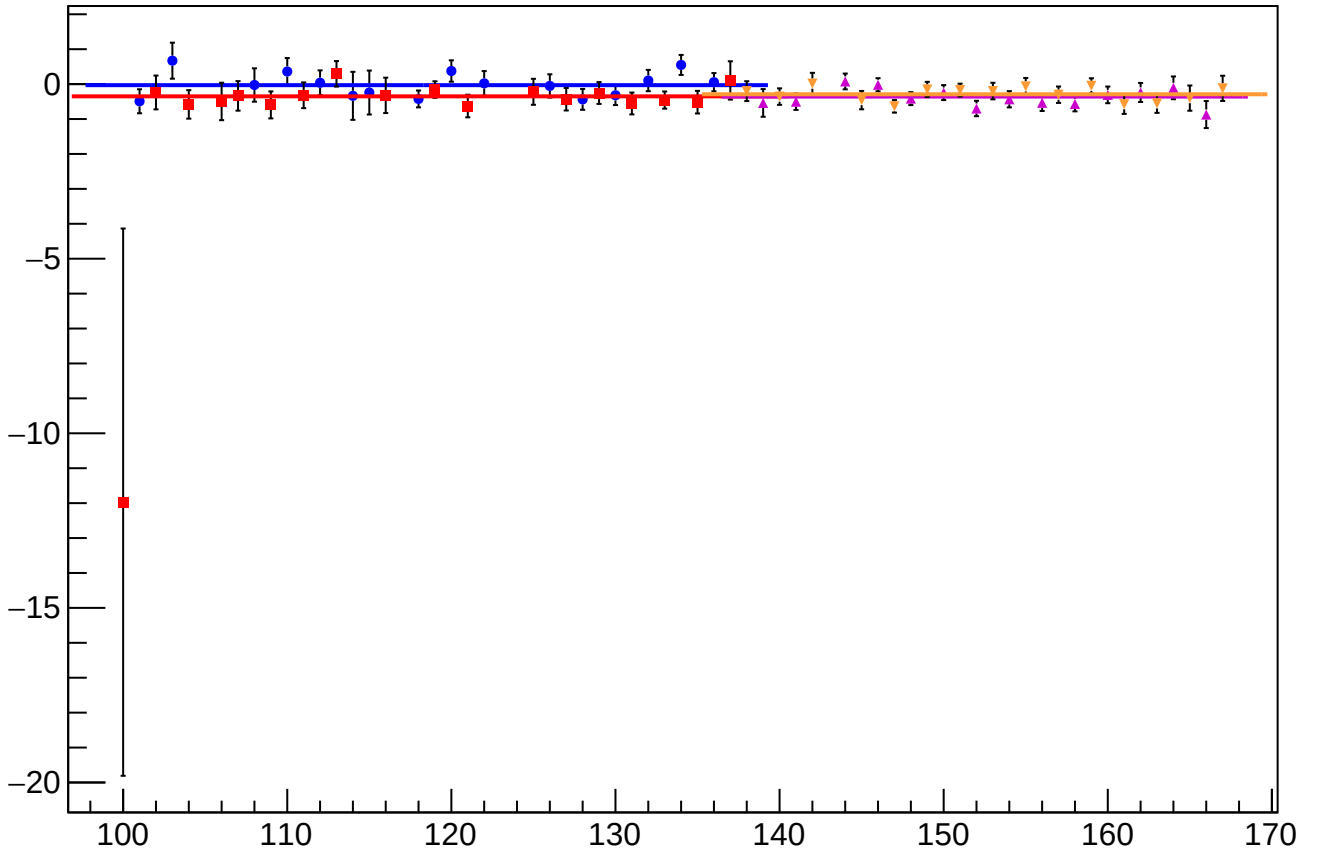
Left: -0.171+/-0.054 χ^2/NDF: 31.4/28

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: -0.013+/-0.055 χ^2/NDF:34.6/29

Out: -0.065+/-0.055 χ^2/NDF:134.9/32

All: -0.039+/-0.039 χ^2/NDF: 169.9/62



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.291+/-0.063 χ^2/NDF:10.7/14

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.357+/-0.063 χ^2/NDF:14.5/13

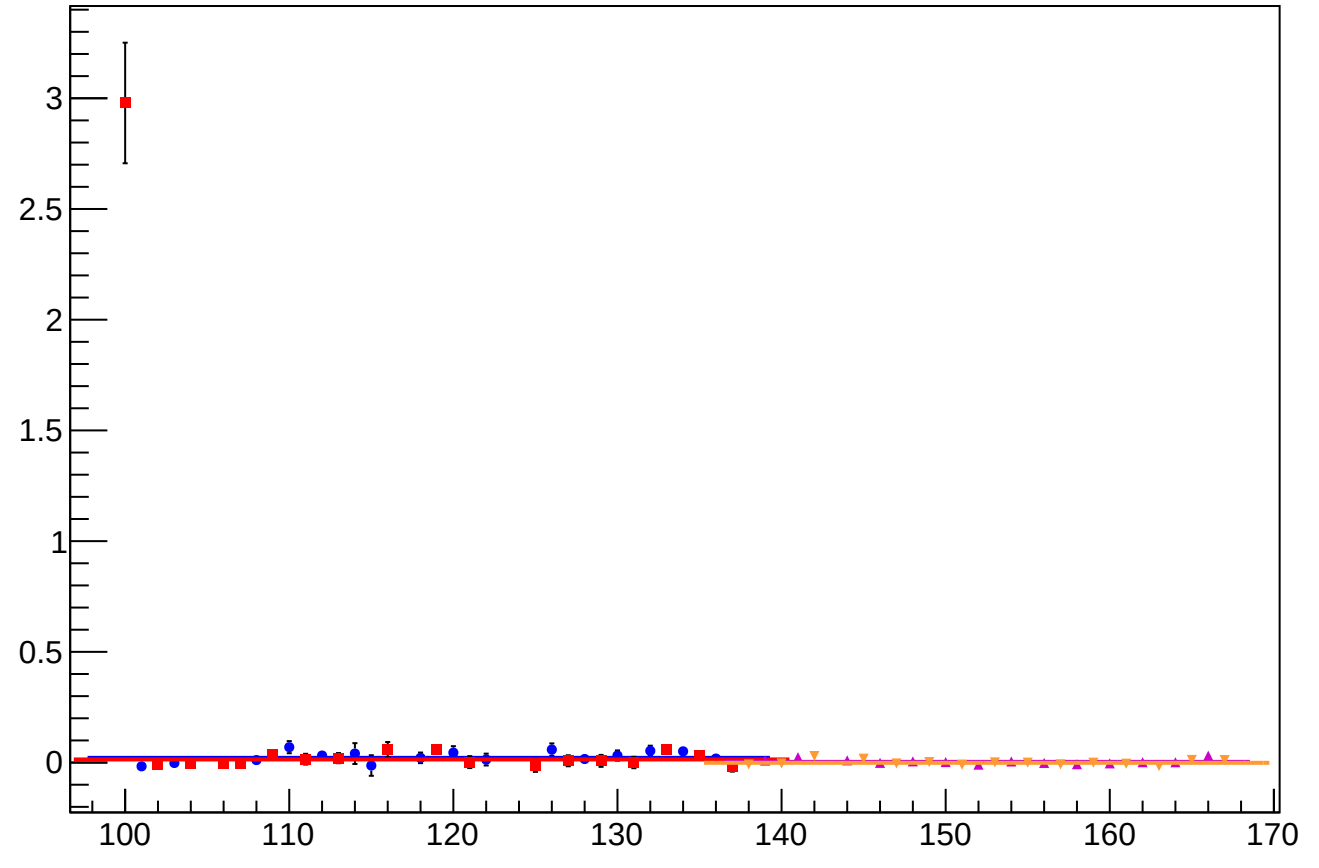
Left: -0.324+/-0.045 χ^2/NDF: 25.7/28

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.238+/-0.051 χ^2/NDF:40.9/29

Out: -0.312+/-0.051 χ^2/NDF:20.4/32

All: -0.275+/-0.036 χ^2/NDF: 62.4/62



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:11.3/14

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.003+/-0.003 χ^2/NDF:10.9/13

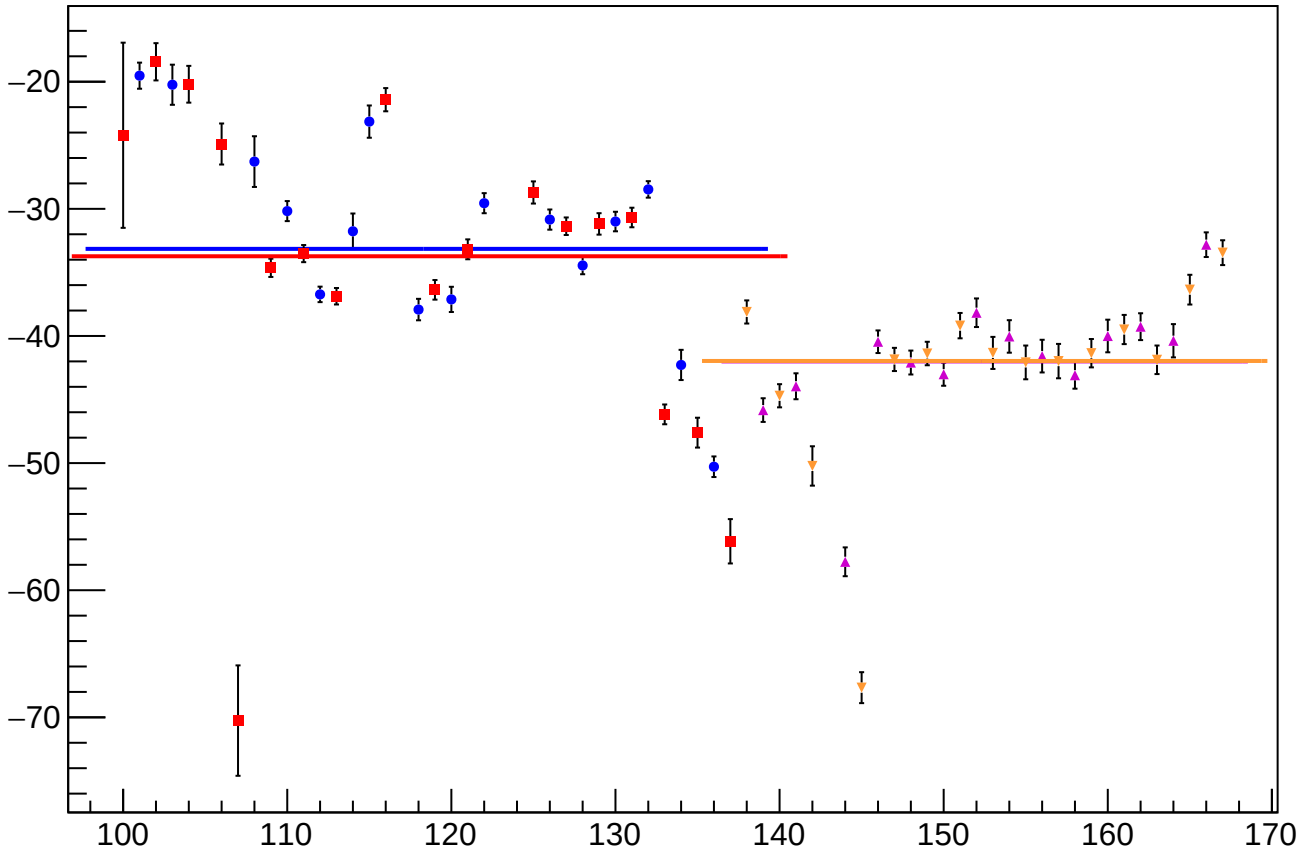
Left: 0.001+/-0.002 χ^2/NDF: 23.3/28

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.008+/-0.002 χ^2/NDF:43.9/29

Out: 0.003+/-0.002 χ^2/NDF:159.3/32

All: 0.005+/-0.002 χ^2/NDF: 205.3/62



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -41.966+/-0.280 χ^2/NDF:613.4/14

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -42.003+/-0.282 χ^2/NDF:333.5/13

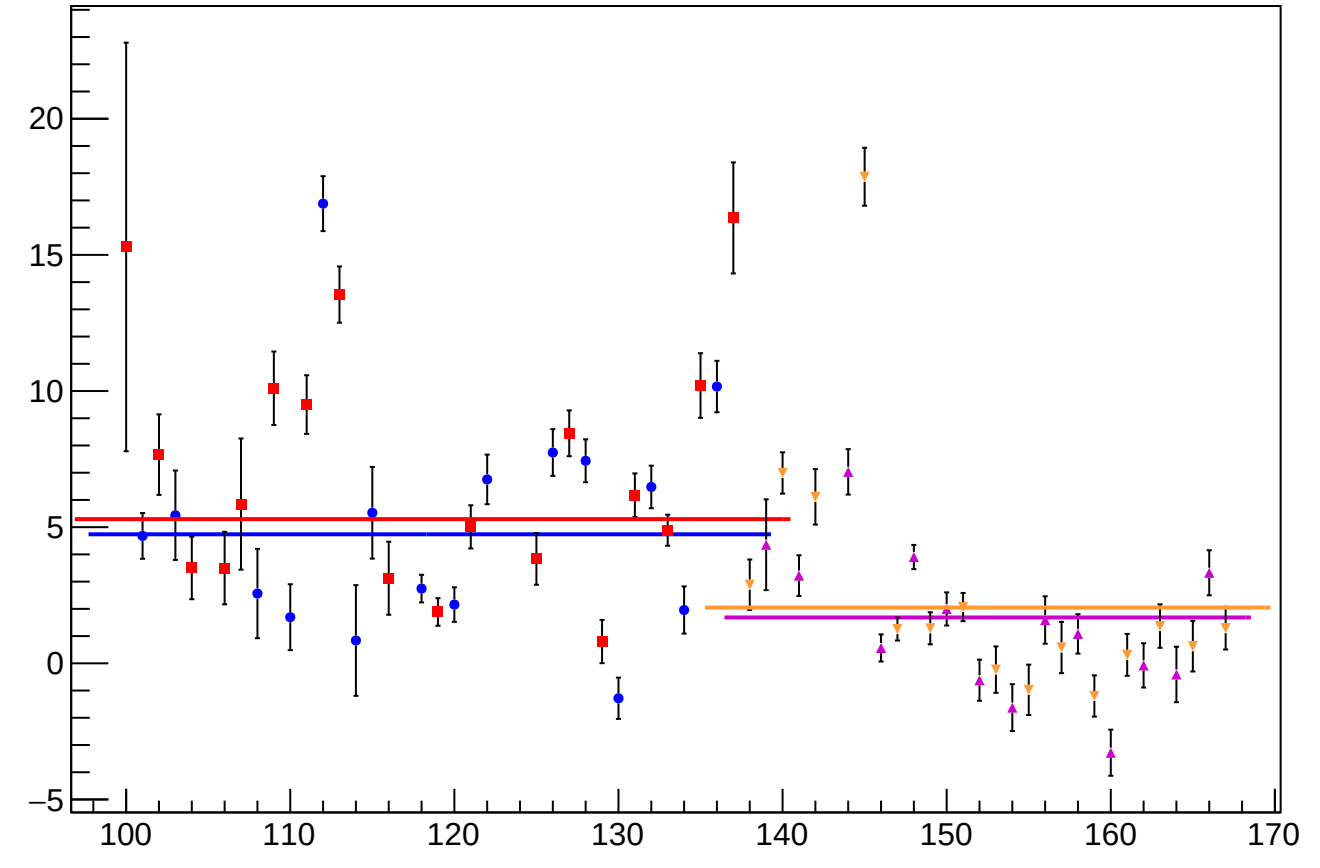
Left: -41.985+/-0.199 χ^2/NDF: 947.0/28

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.456+/-0.173 χ^2/NDF:1964.0/29

Out: -36.783+/-0.170 χ^2/NDF:2306.5/32

All: -36.621+/-0.121 χ^2/NDF: 4272.3/62



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.047+/-0.187 χ^2/NDF:333.3/14

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.684+/-0.192 χ^2/NDF:150.1/13

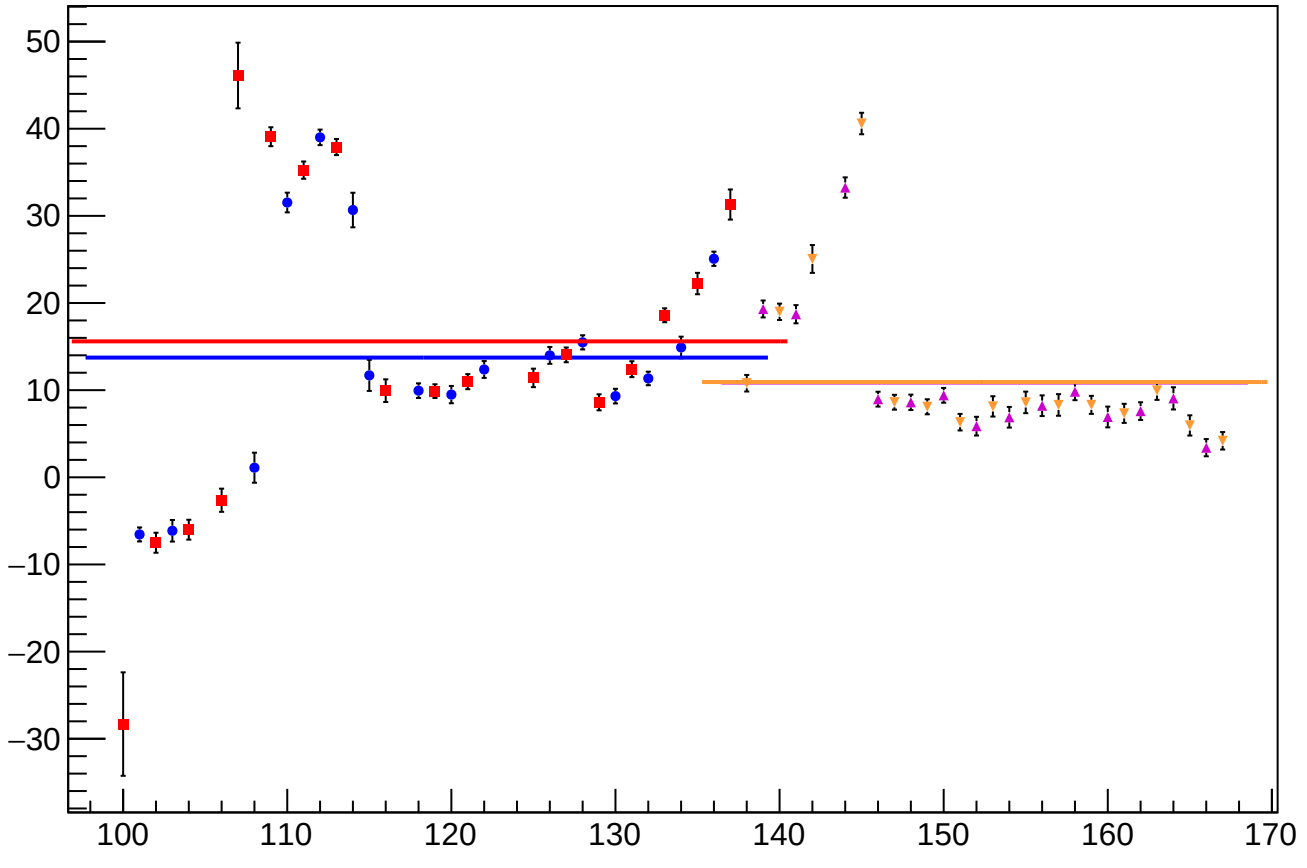
Left: 1.870+/-0.134 χ^2/NDF: 485.2/28

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.012+/-0.145 χ^2/NDF:589.5/29

Out: 3.389+/-0.144 χ^2/NDF:702.4/32

All: 3.202+/-0.102 χ^2/NDF: 1295.3/62



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 10.932+/-0.272 χ^2/NDF:868.9/14

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 10.877+/-0.273 χ^2/NDF:633.7/13

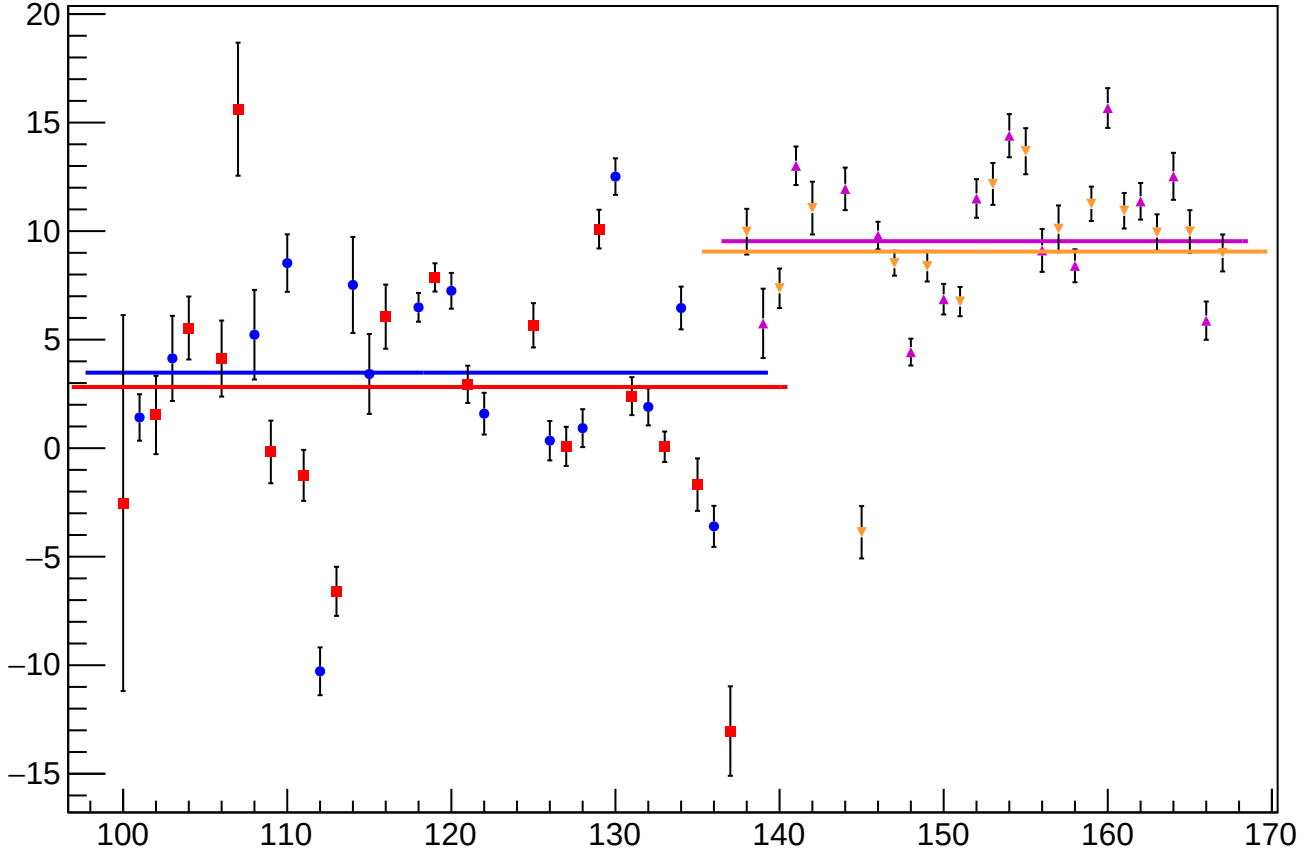
Left: 10.905+/-0.193 χ^2/NDF: 1502.6/28

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 12.452+/-0.183 χ^2/NDF:3044.0/29

Out: 13.460+/-0.184 χ^2/NDF:3854.9/32

All: 12.953+/-0.130 χ^2/NDF: 6914.0/62



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.058+/-0.221 χ^2/NDF:180.6/14

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.536+/-0.226 χ^2/NDF:215.6/13

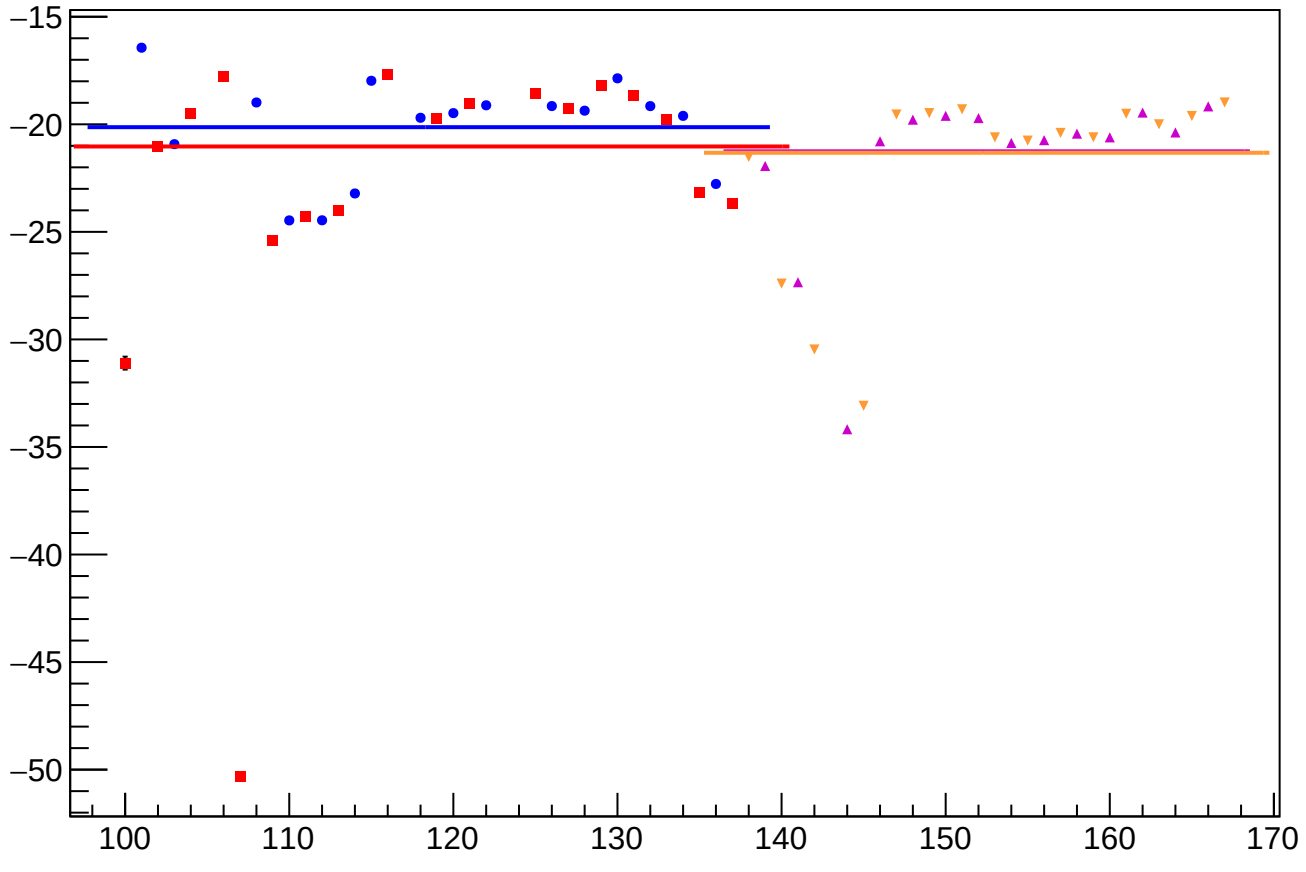
Left: 9.292+/-0.158 χ^2/NDF: 398.5/28

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.856+/-0.169 χ^2/NDF:961.1/29

Out: 6.405+/-0.168 χ^2/NDF:864.3/32

All: 6.629+/-0.119 χ^2/NDF: 1829.0/62



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -21.322+/-0.010 χ^2/NDF:117415.9/14

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -21.255+/-0.010 χ^2/NDF:93558.0/13

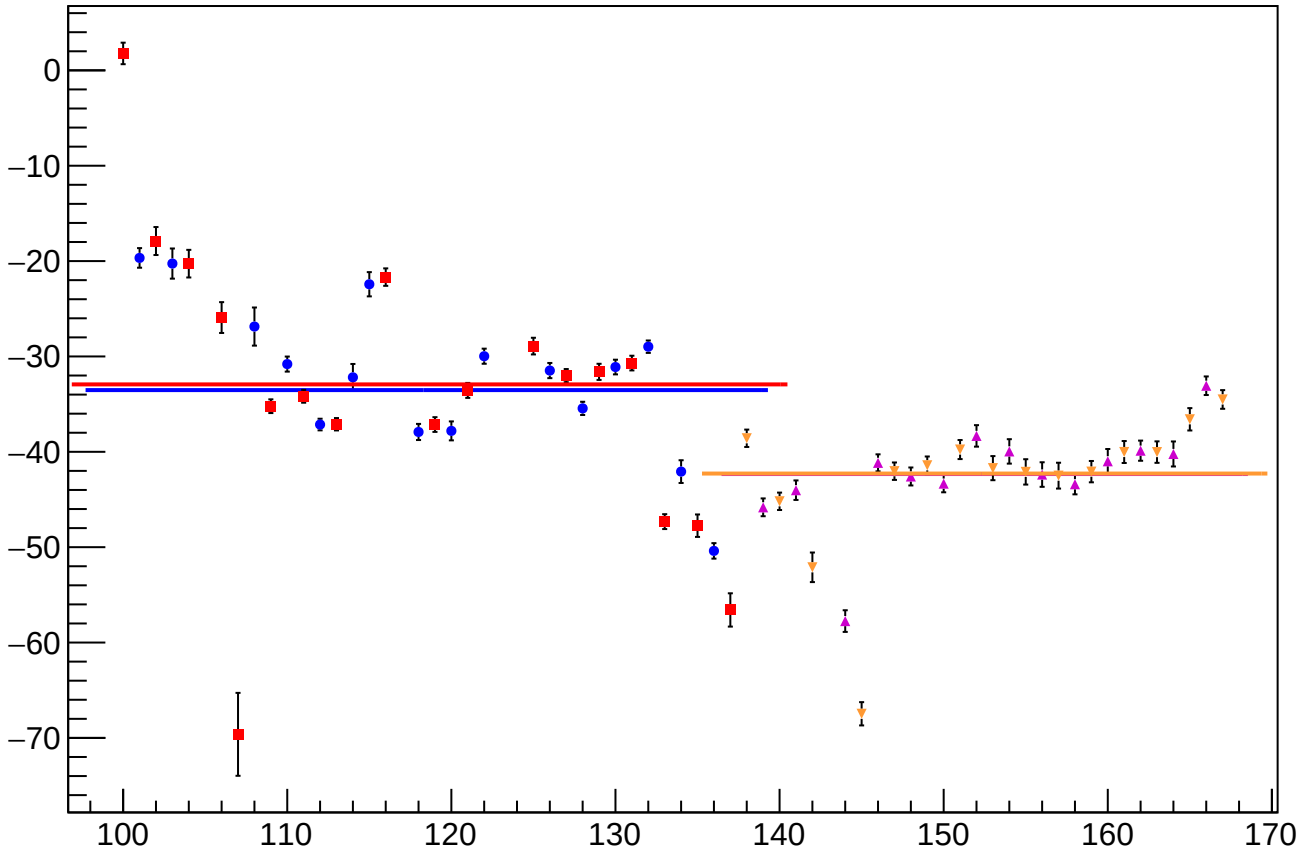
Left: -21.289+/-0.007 χ^2/NDF: 210994.4/28

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.924+/-0.009 χ^2/NDF:116850.4/29

Out: -21.239+/-0.009 χ^2/NDF:175164.2/32

All: -21.080+/-0.006 χ^2/NDF: 292666.0/62


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
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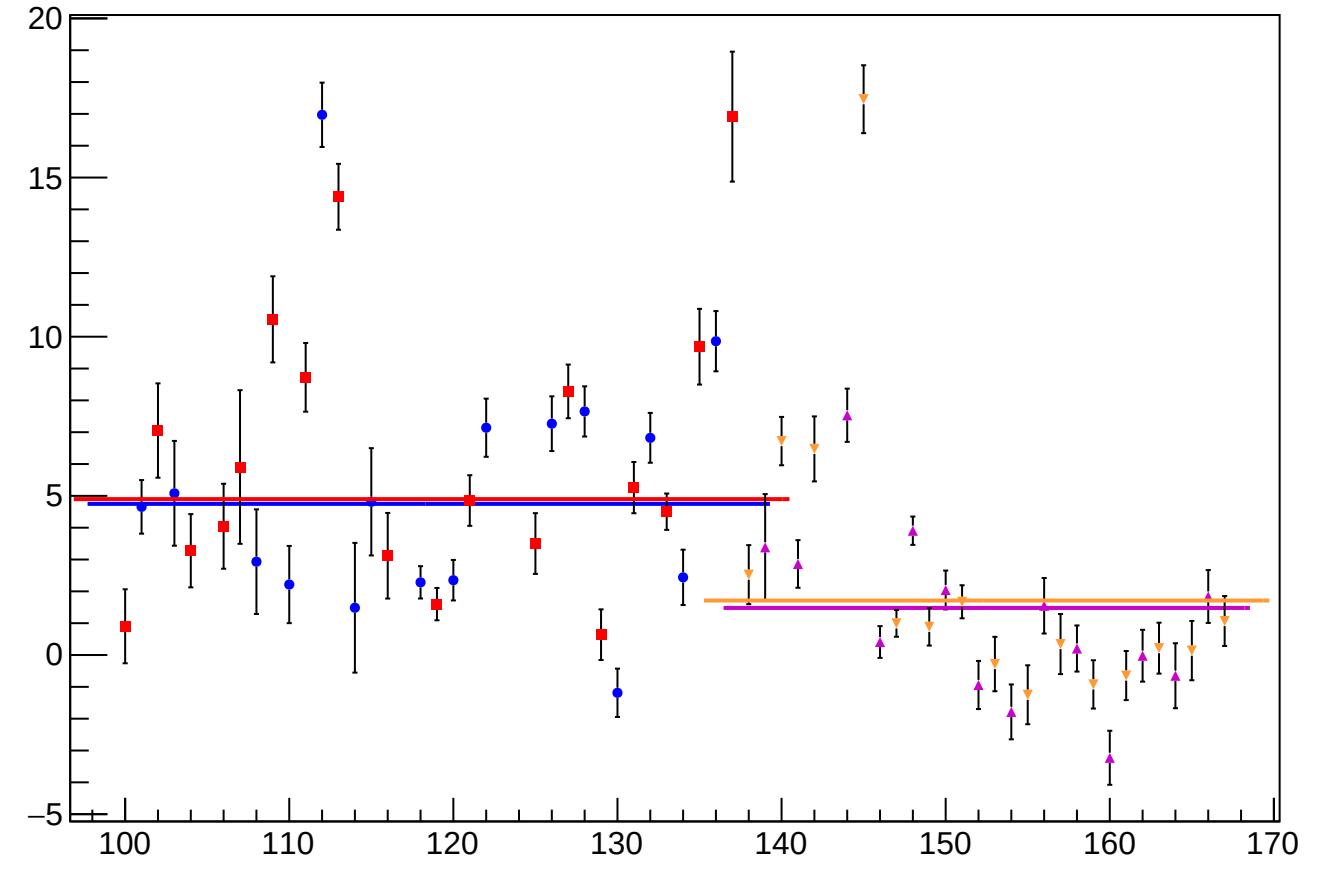
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -42.279+/-0.280 χ²/NDF:595.1/14
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -42.330+/-0.283 χ²/NDF:320.6/13
Left: -42.304+/-0.199 χ²/NDF: 915.7/28
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.816+/-0.173 χ²/NDF:1935.7/29
Out: -36.322+/-0.169 χ²/NDF:3473.0/32
All: -36.563+/-0.121 χ²/NDF: 5413.0/62



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.712+/-0.188 χ^2/NDF:335.1/14

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.479+/-0.193 χ^2/NDF:158.7/13

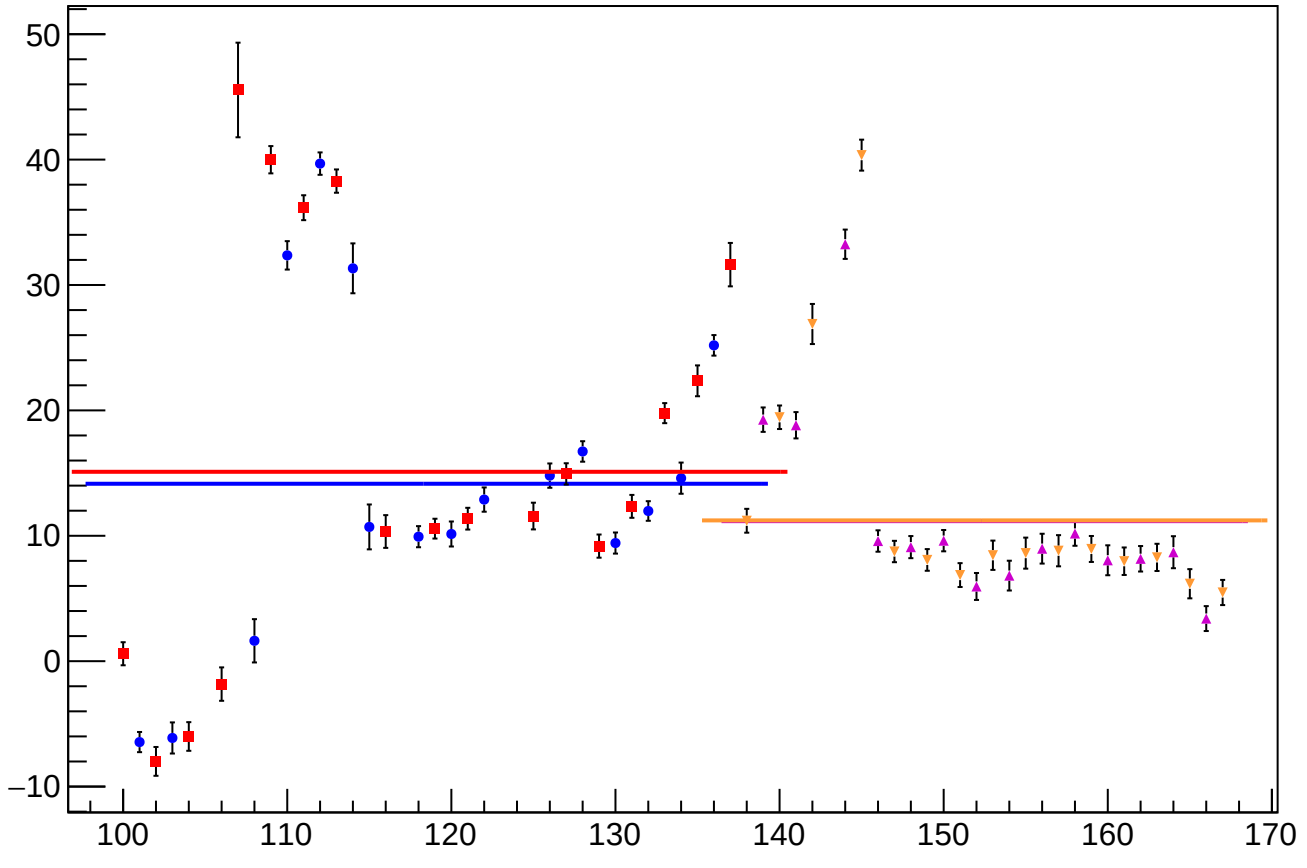
Left: 1.599+/-0.134 χ^2/NDF: 494.5/28

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.900+/-0.145 χ^2/NDF:609.6/29

Out: 3.055+/-0.143 χ^2/NDF:729.6/32

All: 2.979+/-0.102 χ^2/NDF: 1339.8/62



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 11.227+/-0.272 χ^2/NDF:858.4/14

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 11.167+/-0.274 χ^2/NDF:613.3/13

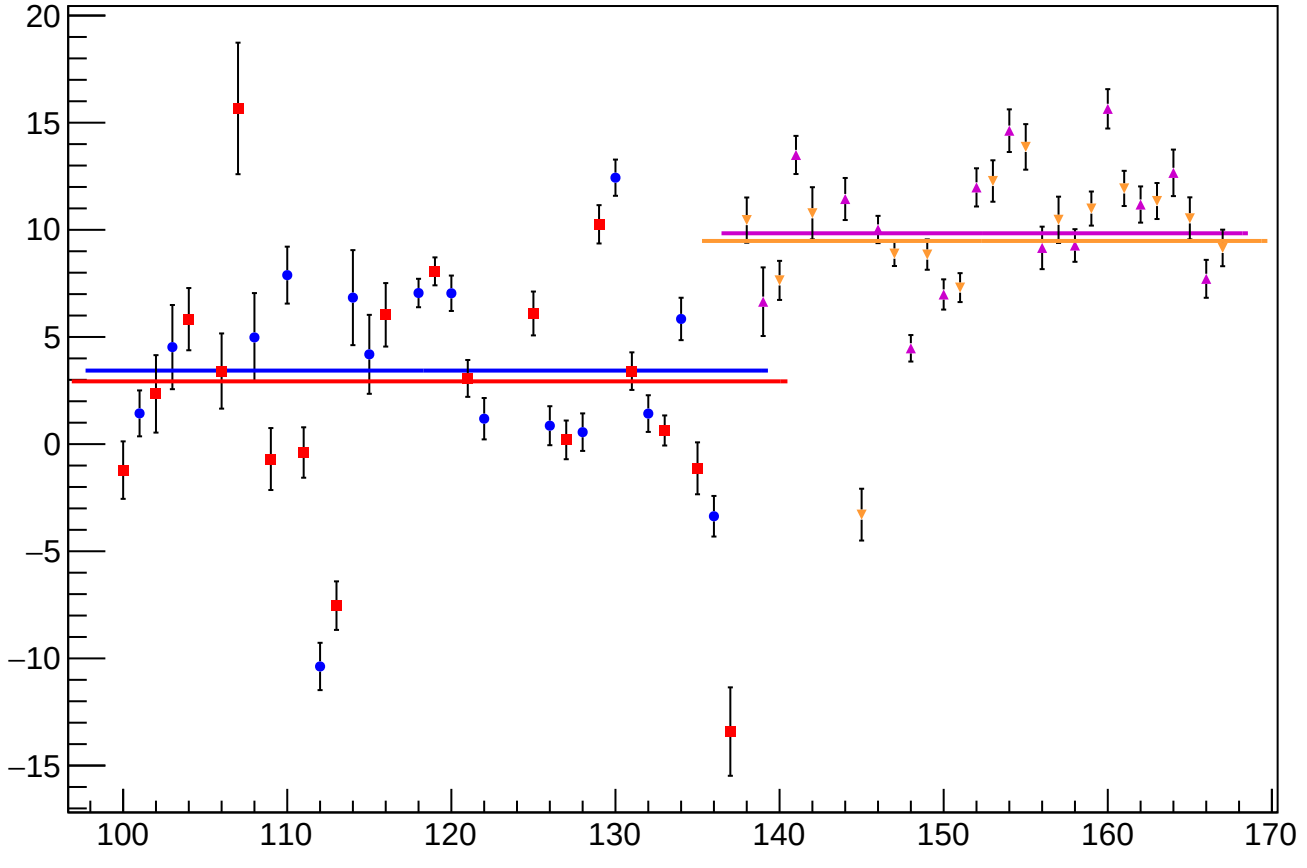
Left: 11.197+/-0.193 χ^2/NDF: 1471.7/28

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 12.808+/-0.183 χ^2/NDF:3081.1/29

Out: 13.393+/-0.181 χ^2/NDF:4073.9/32

All: 13.105+/-0.129 χ^2/NDF: 7160.1/62



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.481+/-0.222 χ^2/NDF:174.9/14

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.839+/-0.226 χ^2/NDF:200.2/13

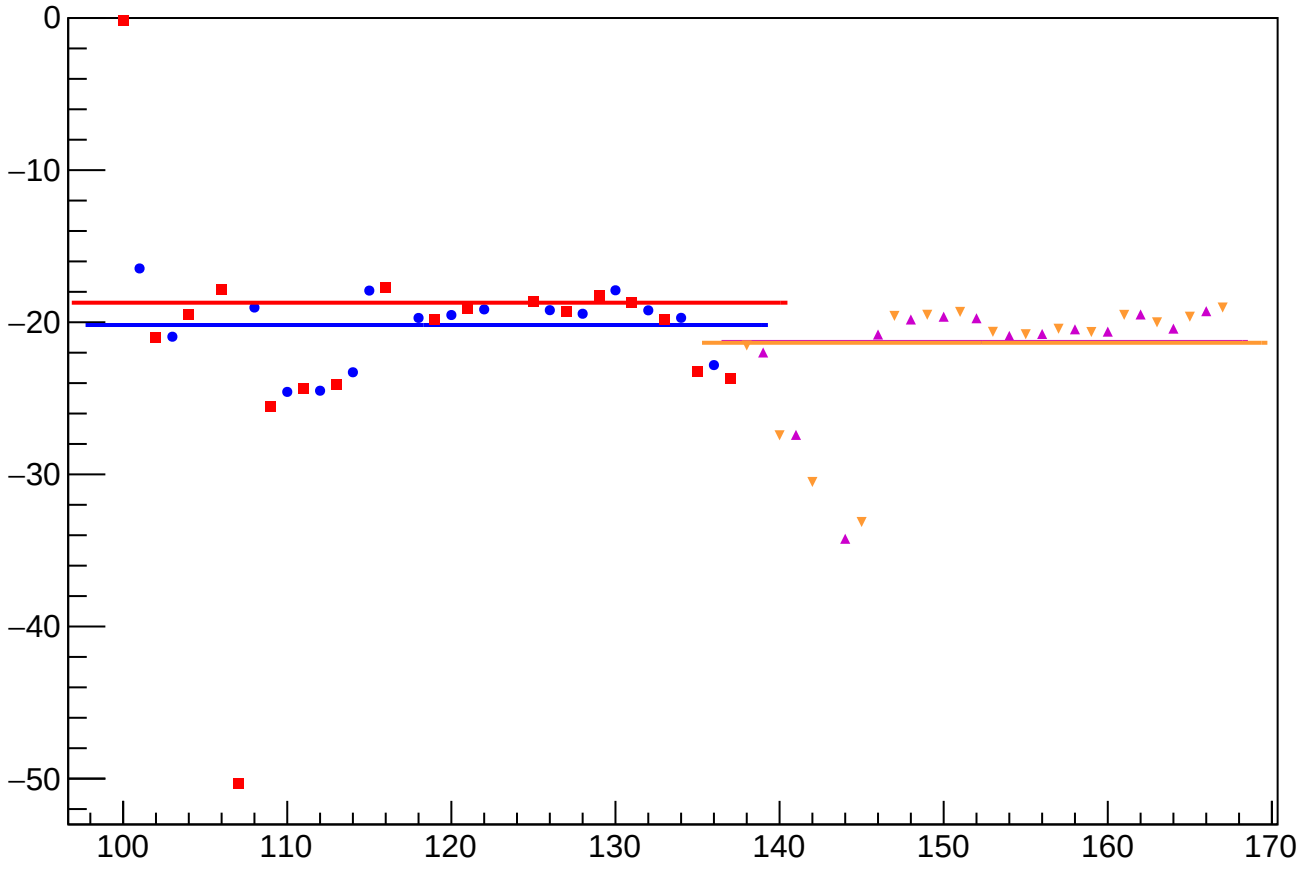
Left: 9.656+/-0.158 χ^2/NDF: 376.4/28

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.005+/-0.169 χ^2/NDF:978.4/29

Out: 6.641+/-0.167 χ^2/NDF:921.6/32

All: 6.820+/-0.119 χ^2/NDF: 1902.4/62



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.348+/-0.010 χ^2/NDF:117151.4/14

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.294+/-0.010 χ^2/NDF:93520.5/13

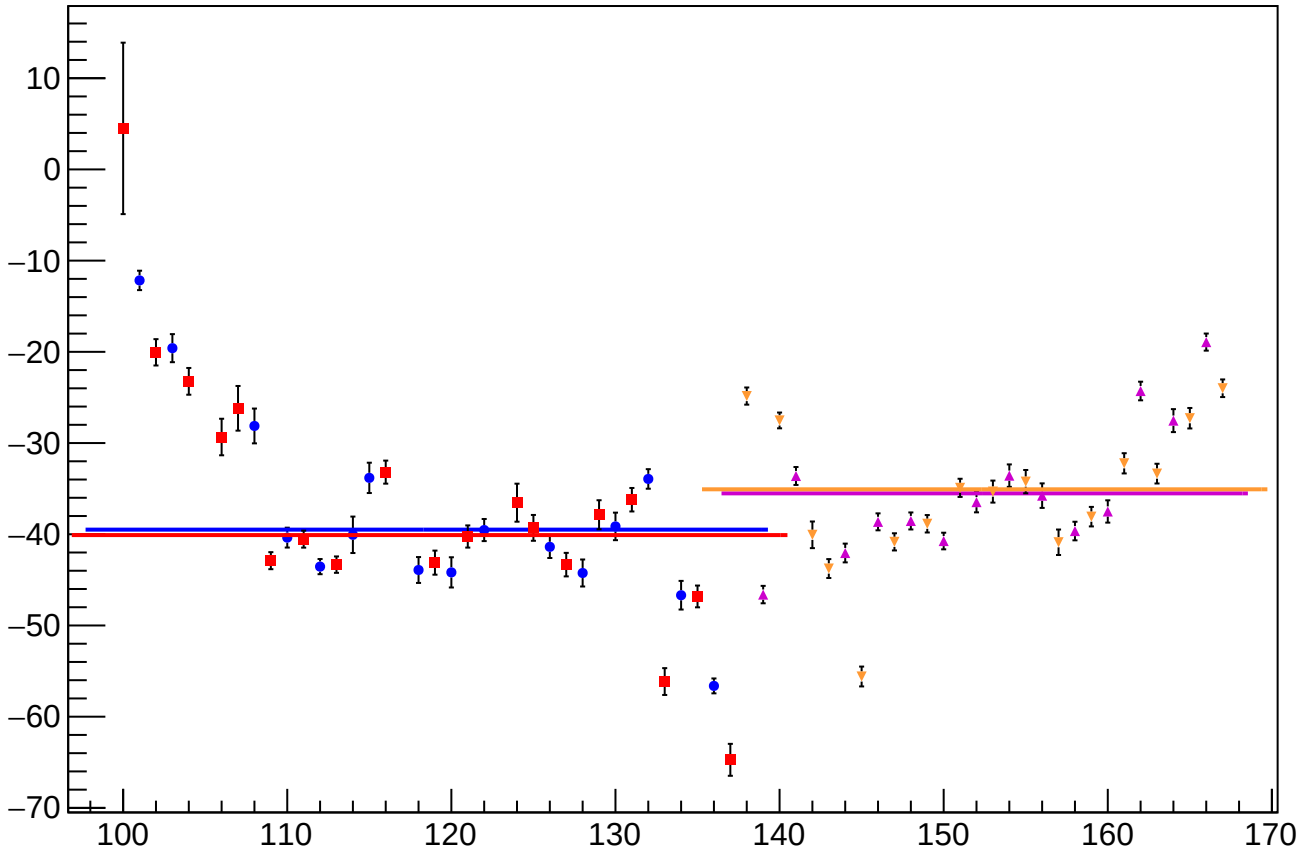
Left: -21.321+/-0.007 χ^2/NDF: 210685.4/28

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.965+/-0.009 χ^2/NDF:116770.1/29

Out: -20.537+/-0.009 χ^2/NDF:371639.7/32

All: -20.749+/-0.006 χ^2/NDF: 489625.5/62


reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected
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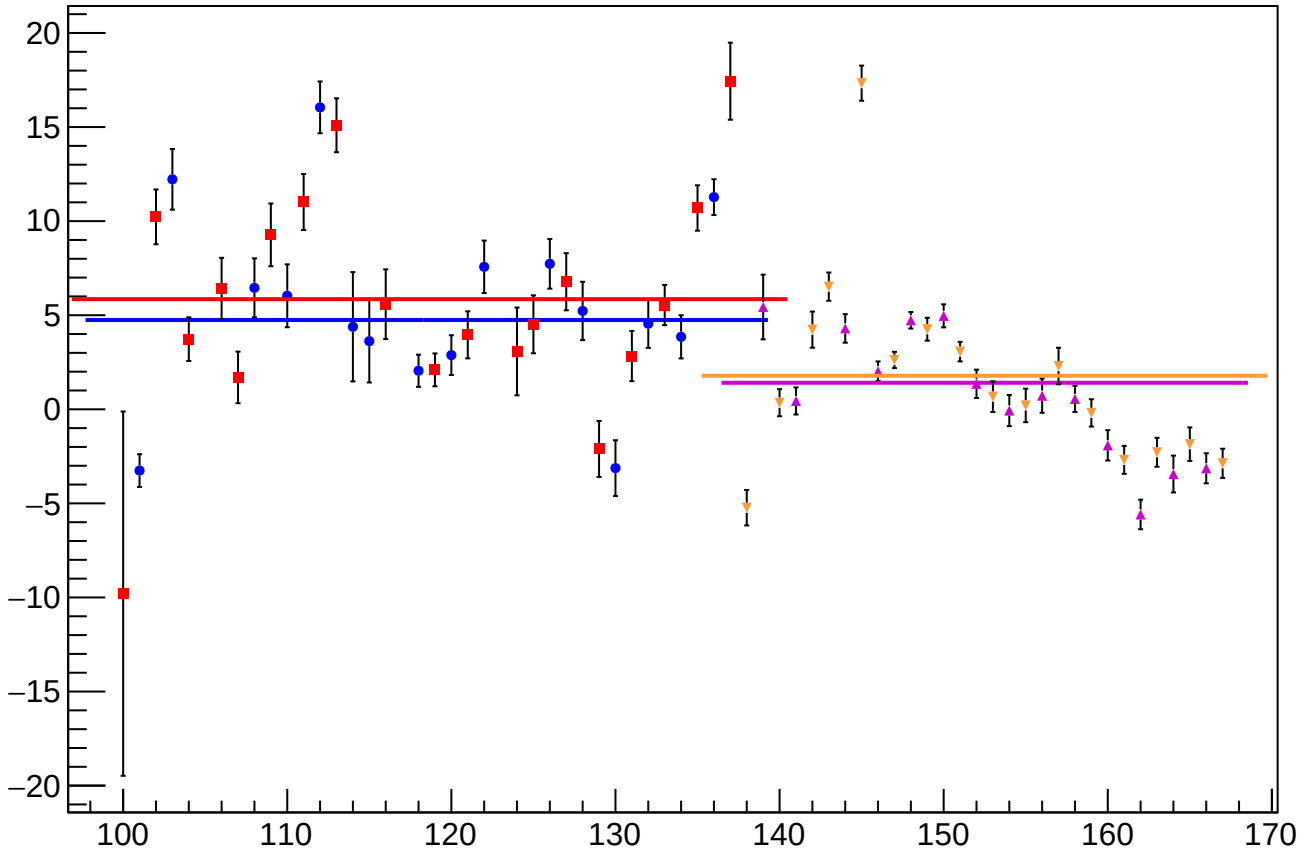
Right In: -39.493+/-0.311 χ²/NDF: 1417.1/15
Left Out: -35.071+/-0.266 χ²/NDF:899.0/15
Right Out: -40.090+/-0.307 χ²/NDF: 834.9/18
Left In: -35.515+/-0.278 χ²/NDF:730.3/13
Left: -35.283+/-0.192 χ²/NDF: 1630.6/29
Right: -39.795+/-0.218 χ²/NDF: 2253.9/34
In: -37.283+/-0.207 χ²/NDF:2238.4/29
Out: -37.220+/-0.201 χ²/NDF:1886.6/34
All: -37.251+/-0.144 χ²/NDF: 4125.1/64



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.783+/-0.180 χ^2/NDF:539.9/15

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.411+/-0.190 χ^2/NDF:272.4/13

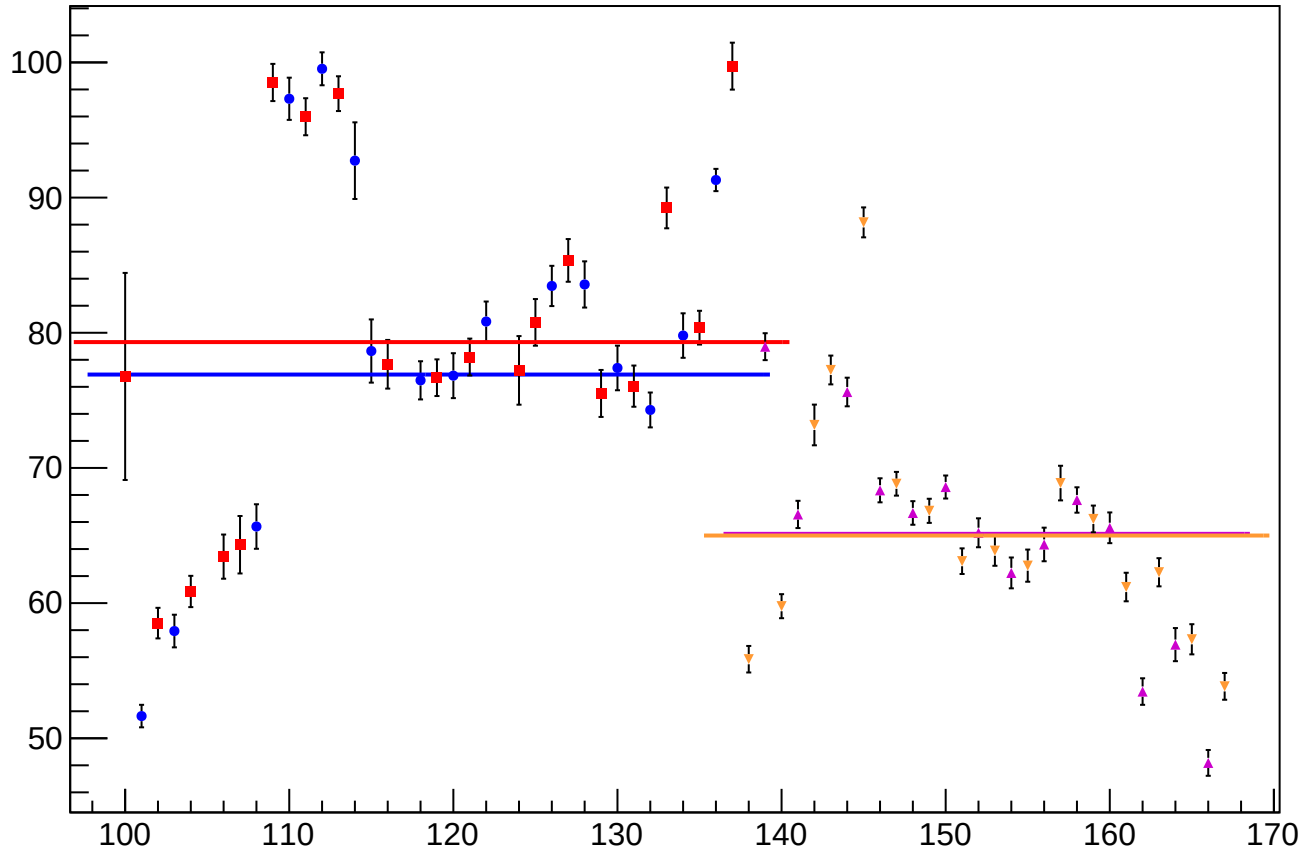
Left: 1.607+/-0.130 χ^2/NDF: 814.4/29

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.294+/-0.163 χ^2/NDF:628.3/29

Out: 2.741+/-0.157 χ^2/NDF:848.3/34

All: 2.525+/-0.113 χ^2/NDF: 1480.5/64



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 65.000+/-0.259 χ^2/NDF:956.5/15

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 65.124+/-0.269 χ^2/NDF:841.3/13

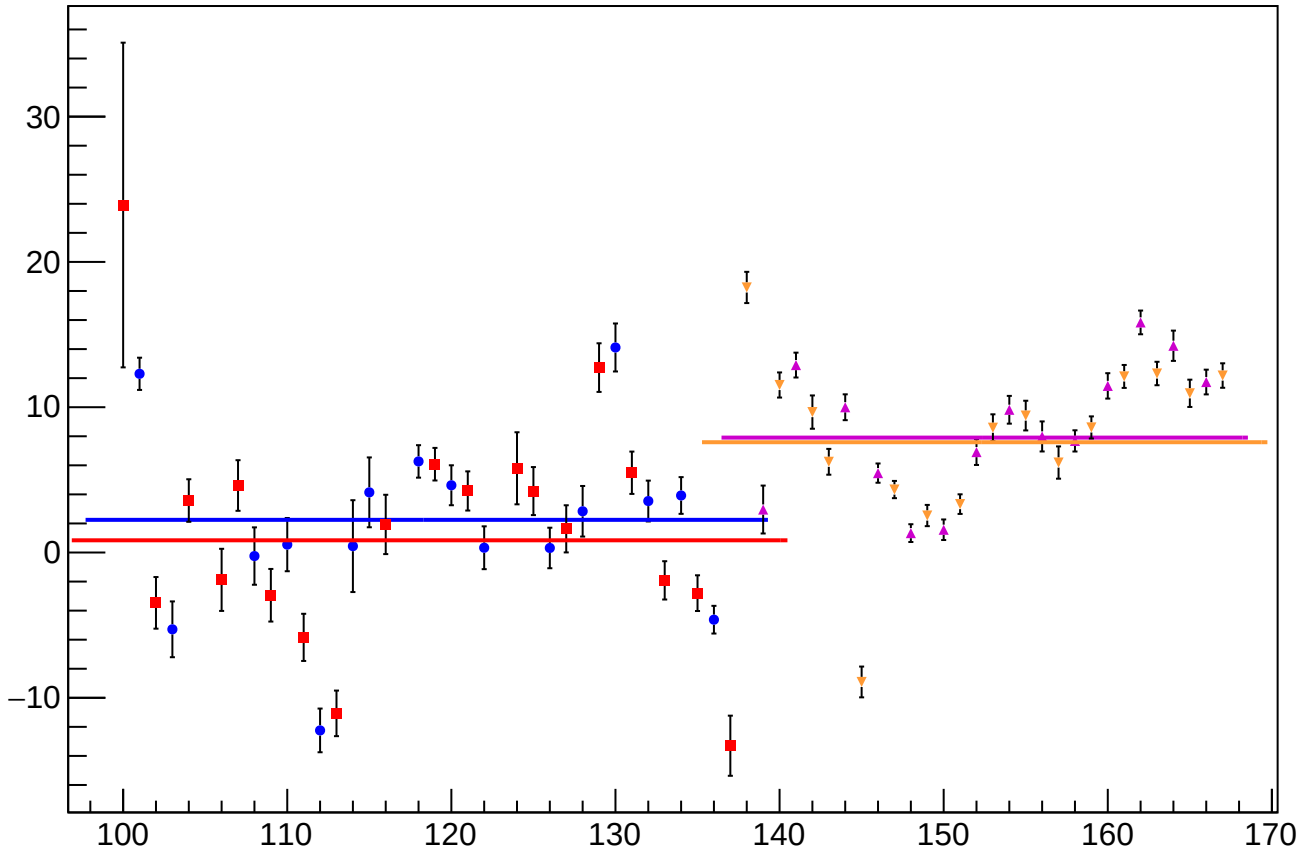
Left: 65.060+/-0.187 χ^2/NDF: 1798.0/29

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 69.710+/-0.210 χ^2/NDF:3705.0/29

Out: 70.109+/-0.208 χ^2/NDF:3541.1/34

All: 69.912+/-0.148 χ^2/NDF: 7248.0/64


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
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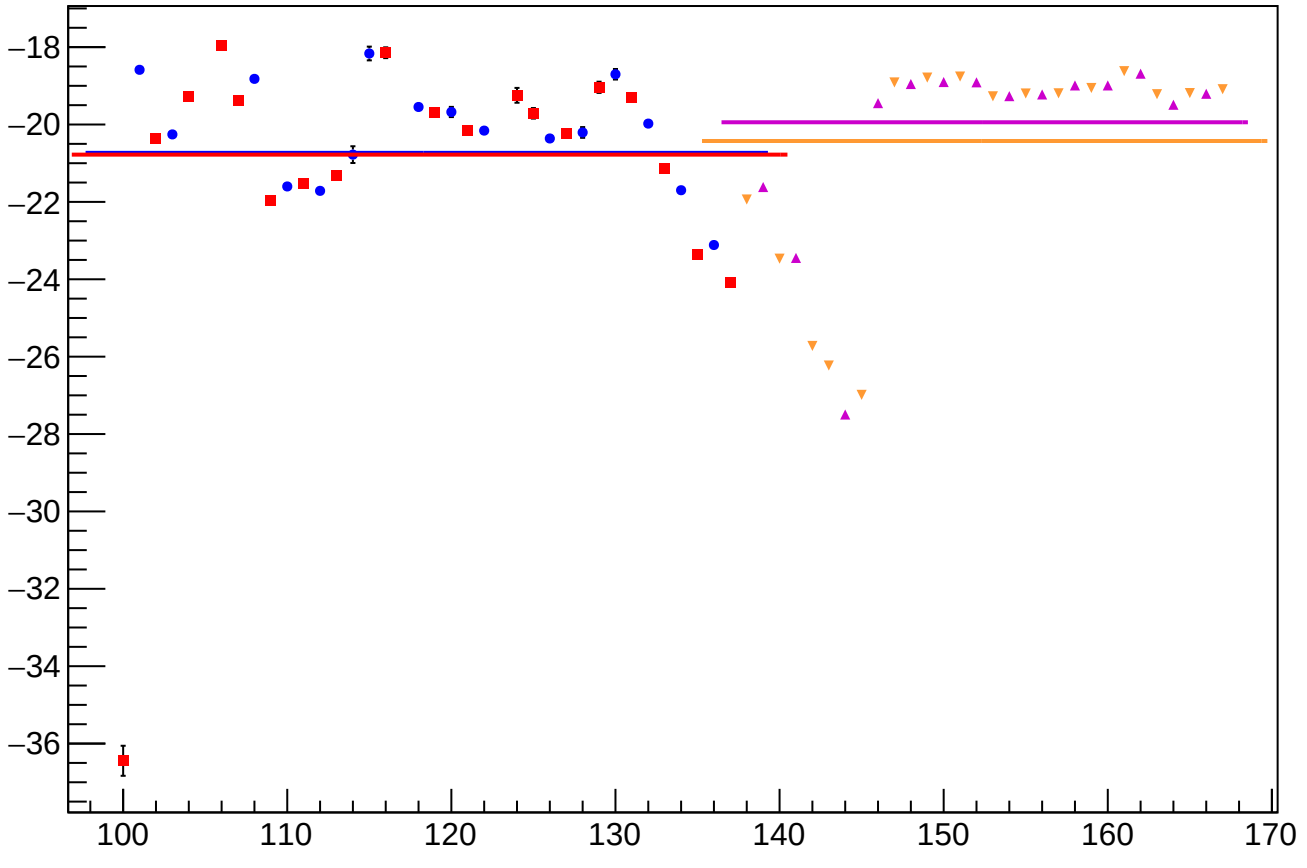
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 7.591+/-0.211 χ²/NDF:602.1/15
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 7.908+/-0.222 χ²/NDF:431.4/13
Left: 7.742+/-0.153 χ²/NDF: 1034.5/29
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 6.365+/-0.190 χ²/NDF:927.8/29
Out: 5.943+/-0.184 χ²/NDF:1107.1/34
All: 6.148+/-0.132 χ²/NDF: 2037.5/64



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.426+/-0.010 χ^2/NDF:69662.2/15

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.942+/-0.010 χ^2/NDF:41079.7/13

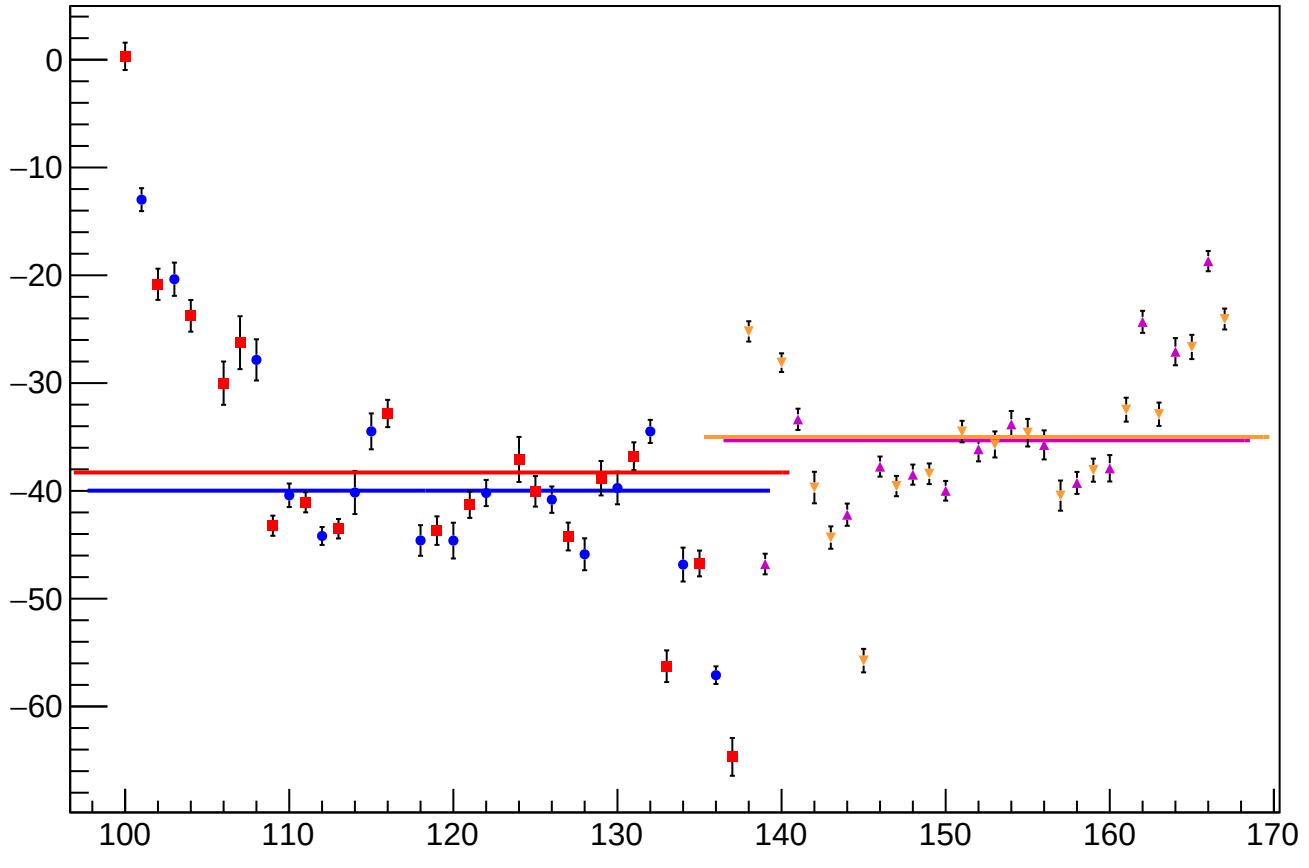
Left: -20.191+/-0.007 χ^2/NDF: 111895.5/29

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -20.114+/-0.009 χ^2/NDF:50010.8/29

Out: -20.494+/-0.009 χ^2/NDF:79334.5/34

All: -20.307+/-0.006 χ^2/NDF: 130245.5/64


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
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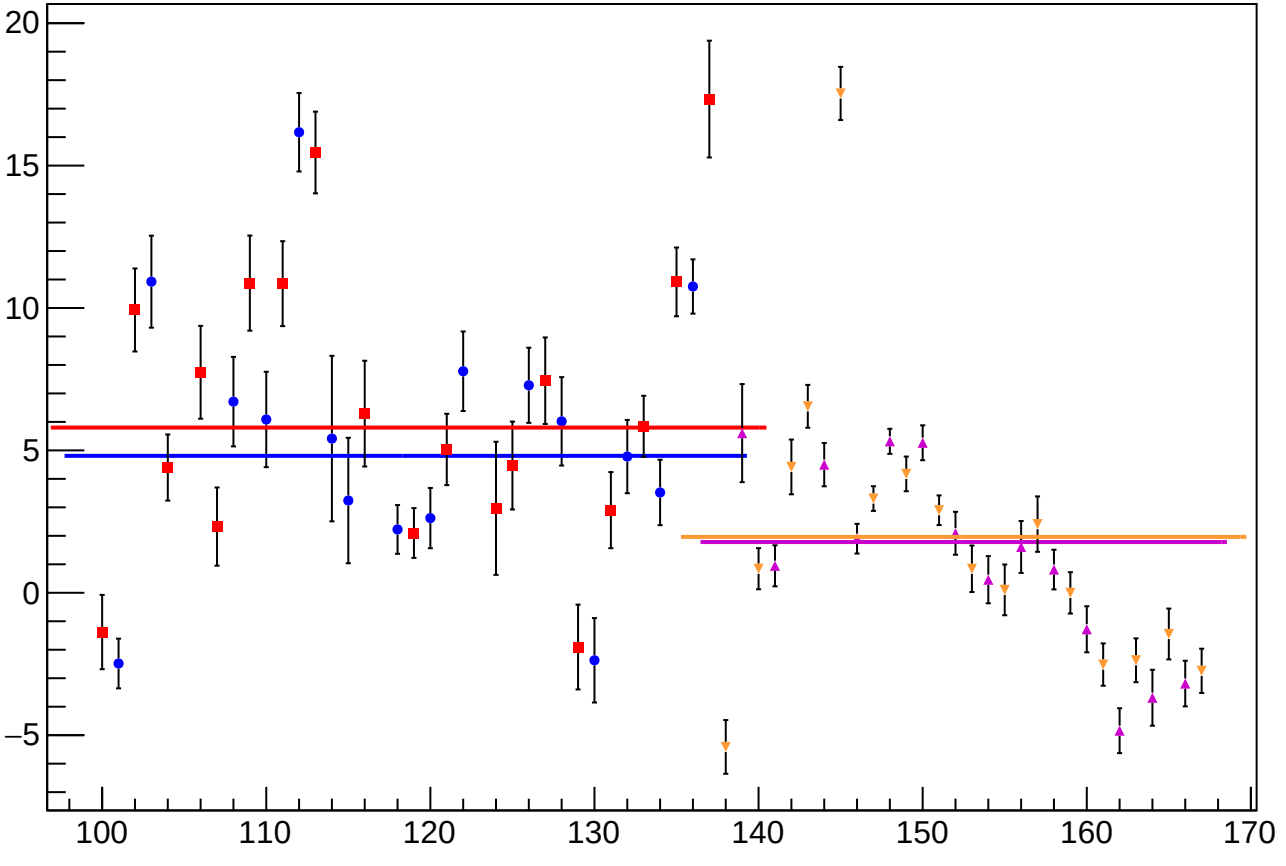
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -35.001+/-0.266 χ²/NDF:876.5/15
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -35.309+/-0.278 χ²/NDF:730.1/13
Left: -35.148+/-0.192 χ²/NDF: 1607.2/29
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -37.386+/-0.207 χ²/NDF:2253.6/29
Out: -36.457+/-0.199 χ²/NDF:2717.9/34
All: -36.902+/-0.144 χ²/NDF: 4982.0/64

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.962+/-0.180 χ^2/NDF:544.5/15

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 1.781+/-0.190 χ^2/NDF:275.3/13

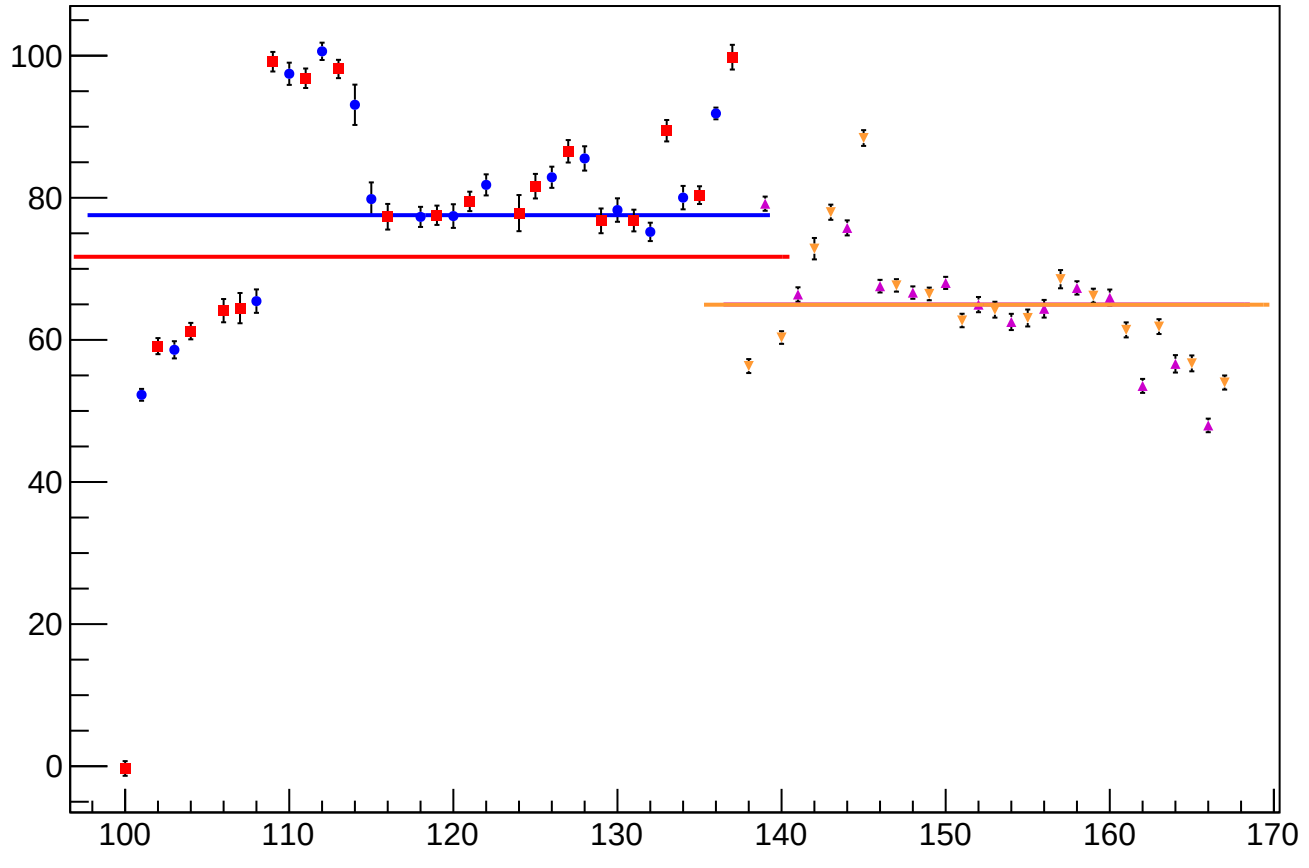
Left: 1.877+/-0.131 χ^2/NDF: 820.3/29

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 2.583+/-0.163 χ^2/NDF:583.1/29

Out: 2.907+/-0.156 χ^2/NDF:872.9/34

All: 2.752+/-0.113 χ^2/NDF: 1458.1/64



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 64.953+/-0.260 χ^2/NDF:953.4/15

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 64.981+/-0.269 χ^2/NDF:842.1/13

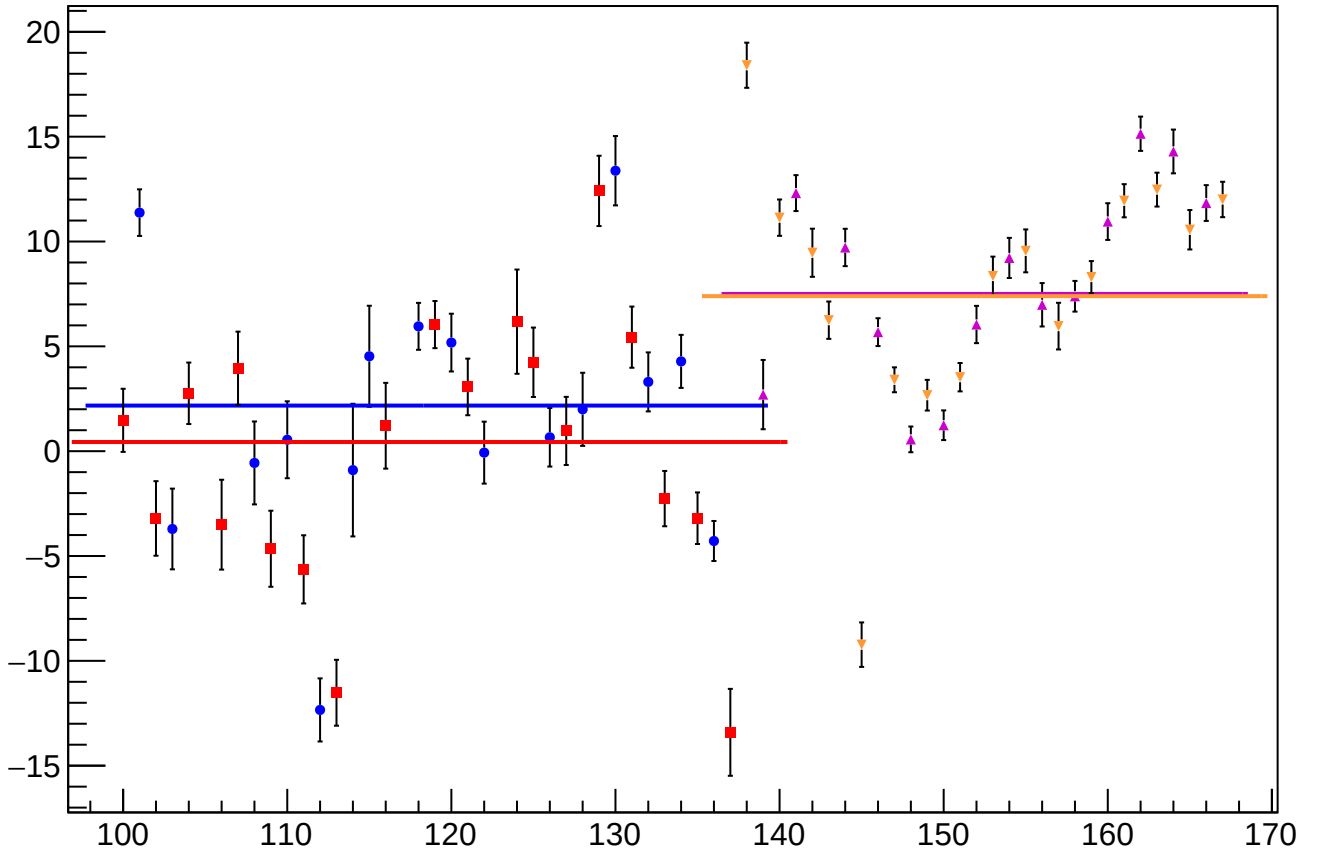
Left: 64.966+/-0.187 χ^2/NDF: 1795.5/29

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 69.875+/-0.210 χ^2/NDF:3808.5/29

Out: 67.528+/-0.204 χ^2/NDF:8114.6/34

All: 68.666+/-0.147 χ^2/NDF: 11987.2/64


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
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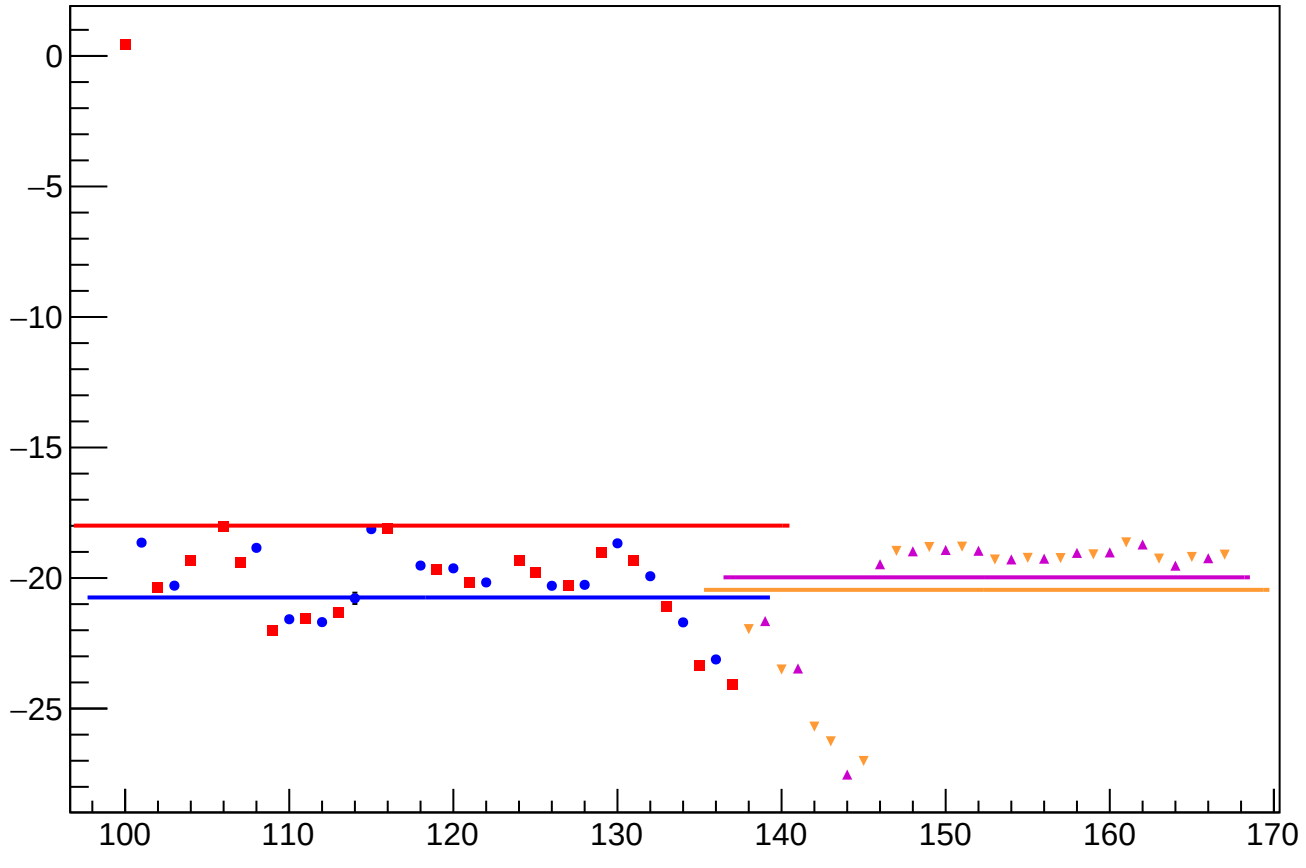
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 7.394+/-0.212 χ²/NDF:615.4/15
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.498+/-0.223 χ²/NDF:437.3/13
Left: 7.444+/-0.153 χ²/NDF: 1052.8/29
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 6.046+/-0.190 χ²/NDF:883.4/29
Out: 5.621+/-0.183 χ²/NDF:1144.8/34
All: 5.825+/-0.132 χ²/NDF: 2030.9/64


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
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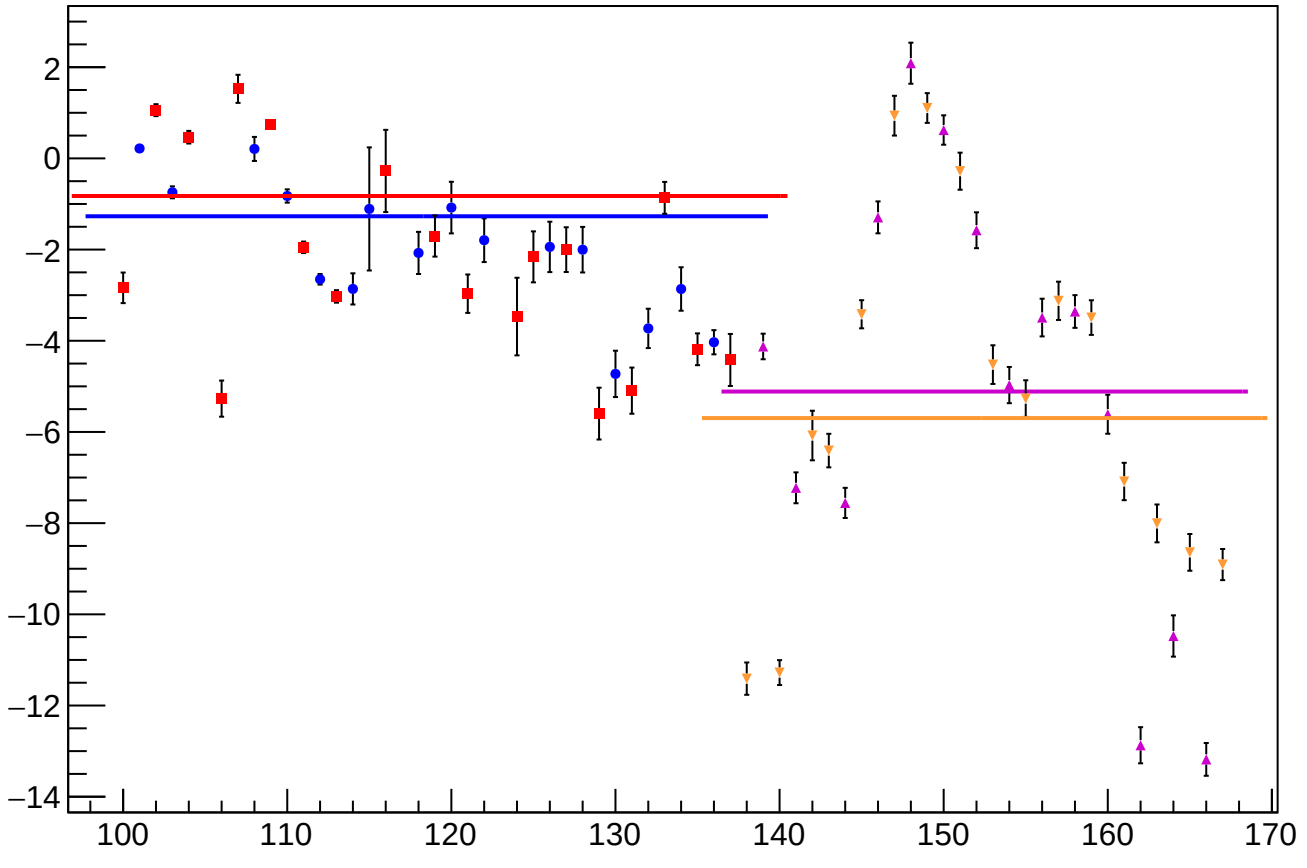
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -20.453+/-0.010 χ²/NDF:69236.5/15
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -19.973+/-0.010 χ²/NDF:40897.7/13
Left: -20.220+/-0.007 χ²/NDF: 111264.6/29
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -20.140+/-0.009 χ²/NDF:49643.5/29
Out: -19.919+/-0.009 χ²/NDF:233109.8/34
All: -20.026+/-0.006 χ²/NDF: 283060.4/64



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.696+/-0.094 χ^2/NDF:1845.0/15

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.114+/-0.098 χ^2/NDF:1945.7/13

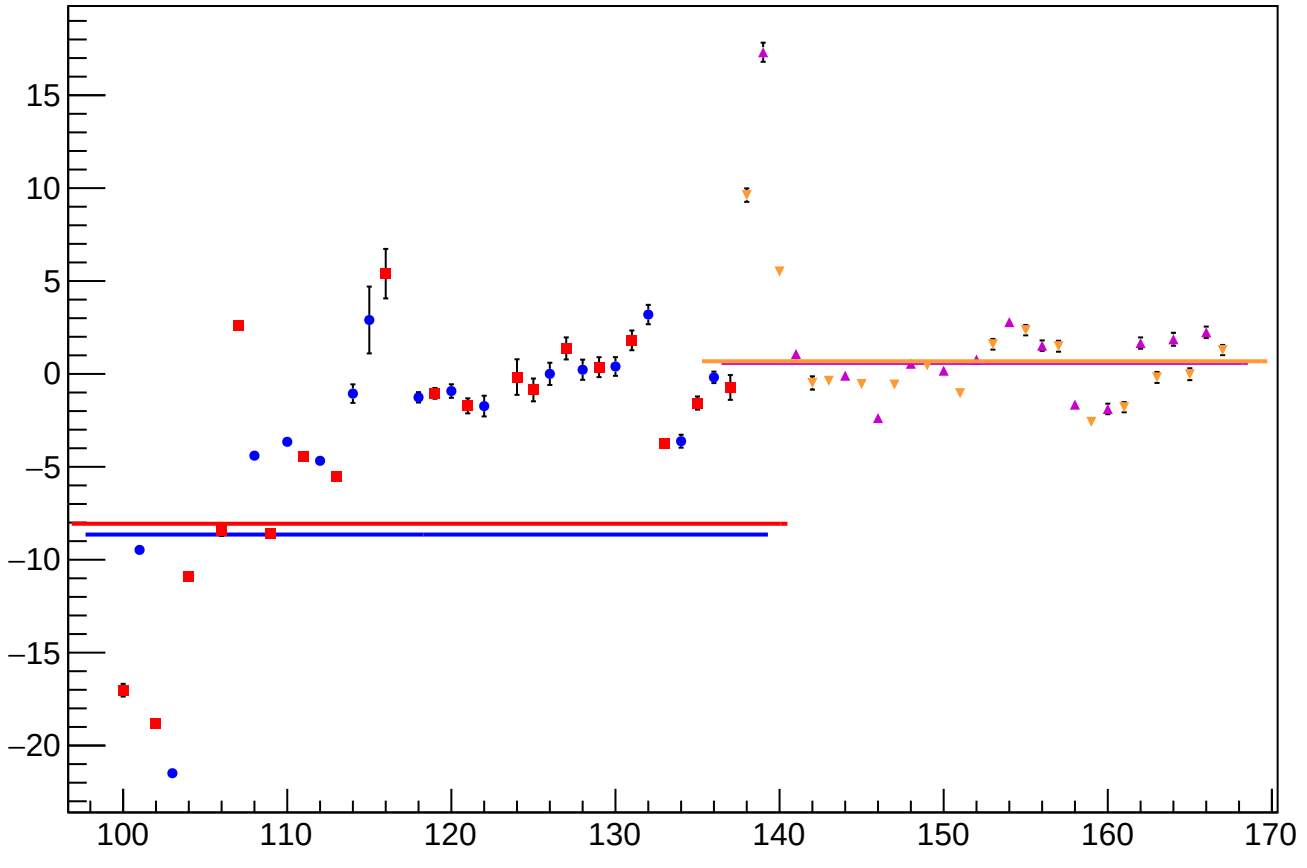
Left: -5.418+/-0.068 χ^2/NDF: 3809.1/29

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.179+/-0.048 χ^2/NDF:3737.6/29

Out: -1.942+/-0.045 χ^2/NDF:5317.9/34

All: -2.053+/-0.033 χ^2/NDF: 9068.6/64



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.681+/-0.066 χ^2/NDF:1504.4/15

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.594+/-0.071 χ^2/NDF:1556.8/13

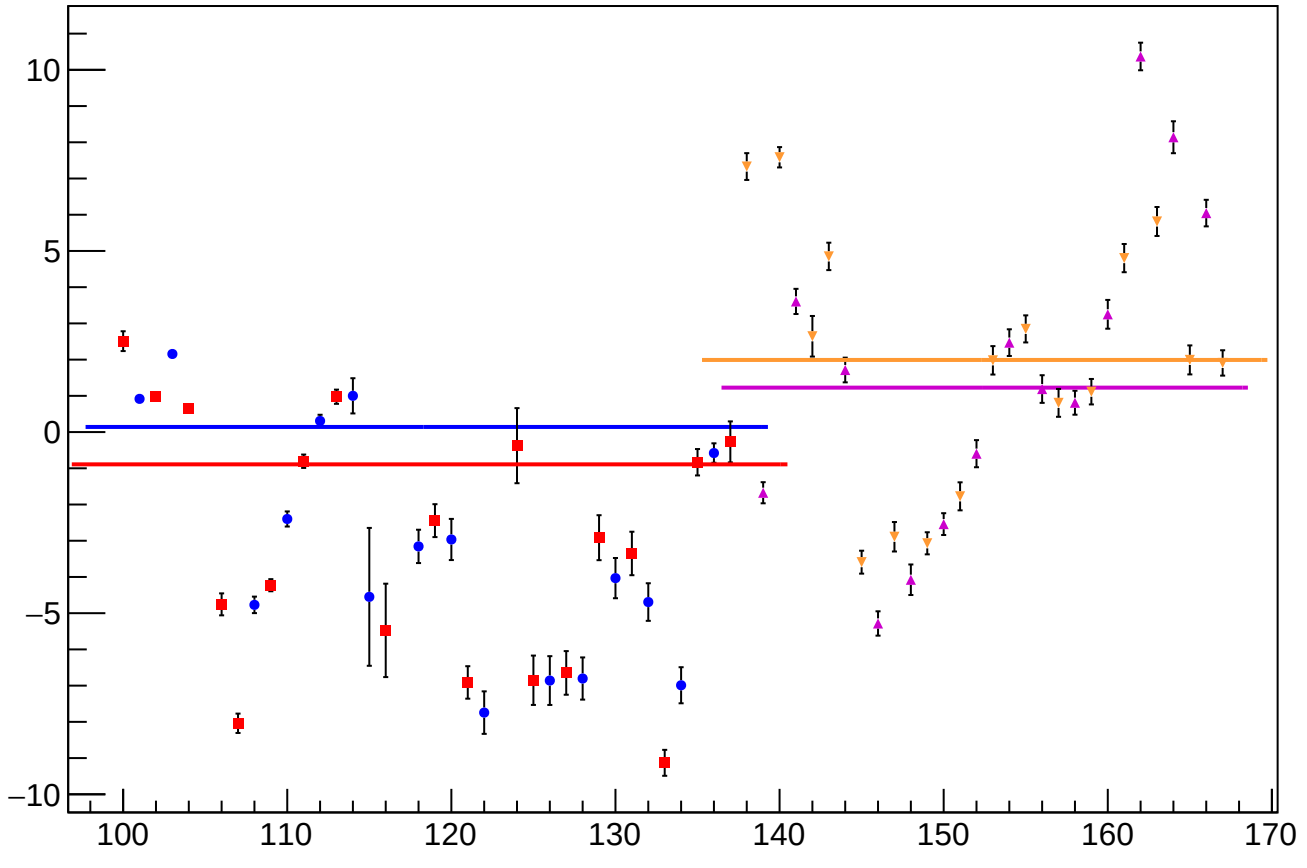
Left: 0.640+/-0.048 χ^2/NDF: 3061.9/29

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.005+/-0.044 χ^2/NDF:25757.3/29

Out: -4.297+/-0.043 χ^2/NDF:25889.9/34

All: -4.644+/-0.031 χ^2/NDF: 51777.4/64


reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
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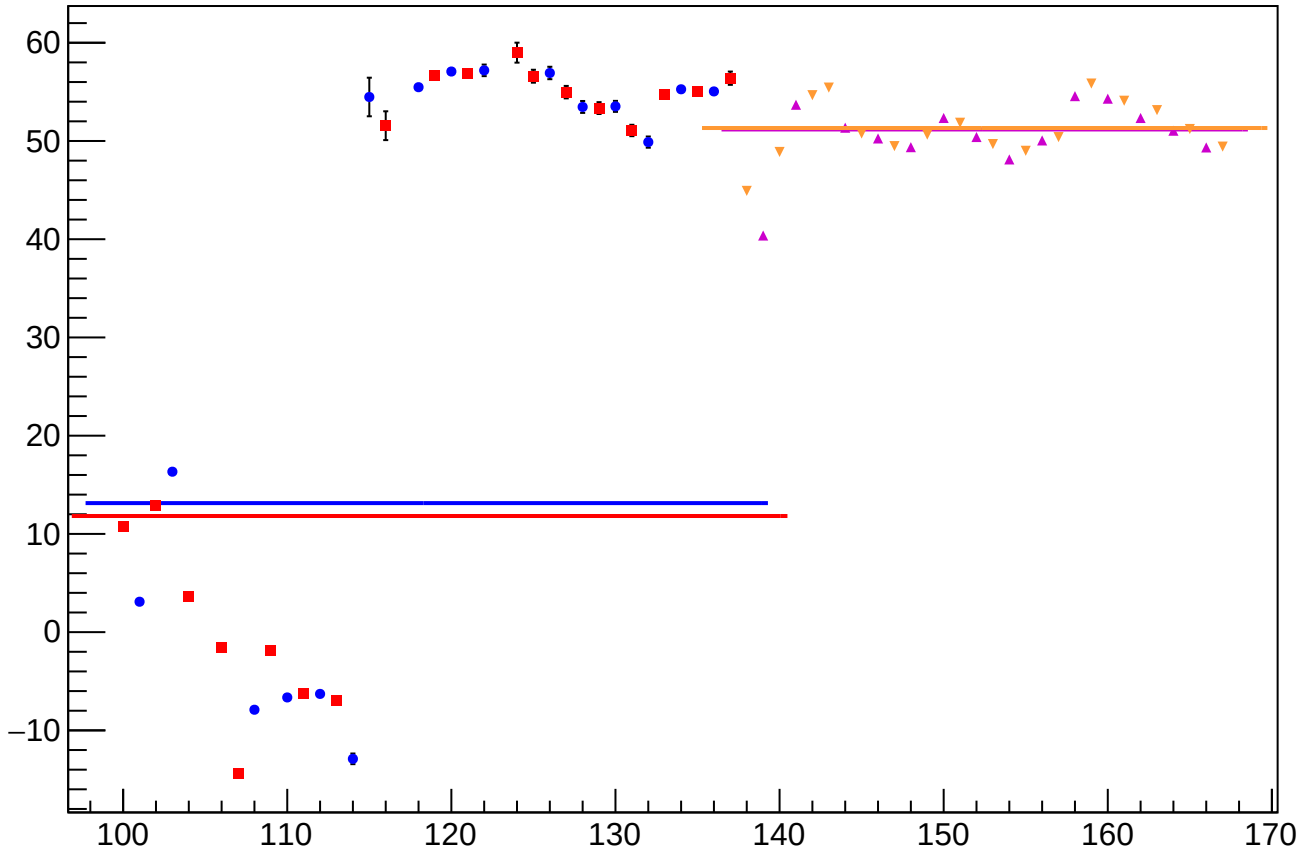
170
Right In: 0.141+/-0.053 χ²/NDF: 1959.8/15
Left Out: 1.991+/-0.092 χ²/NDF:1654.2/15
Right Out: -0.891+/-0.054 χ²/NDF: 2985.7/18
Left In: 1.227+/-0.095 χ²/NDF:1895.0/13
Left: 1.624+/-0.066 χ²/NDF: 3582.7/29
Right: -0.368+/-0.038 χ²/NDF: 5133.2/34
In: 0.398+/-0.046 χ²/NDF:3954.1/29
Out: -0.155+/-0.046 χ²/NDF:5378.1/34
All: 0.122+/-0.033 χ²/NDF: 9403.5/64



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.320+/-0.077 χ^2/NDF:1139.9/15

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 51.171+/-0.081 χ^2/NDF:1058.5/13

Left: 51.250+/-0.056 χ^2/NDF: 2200.2/29

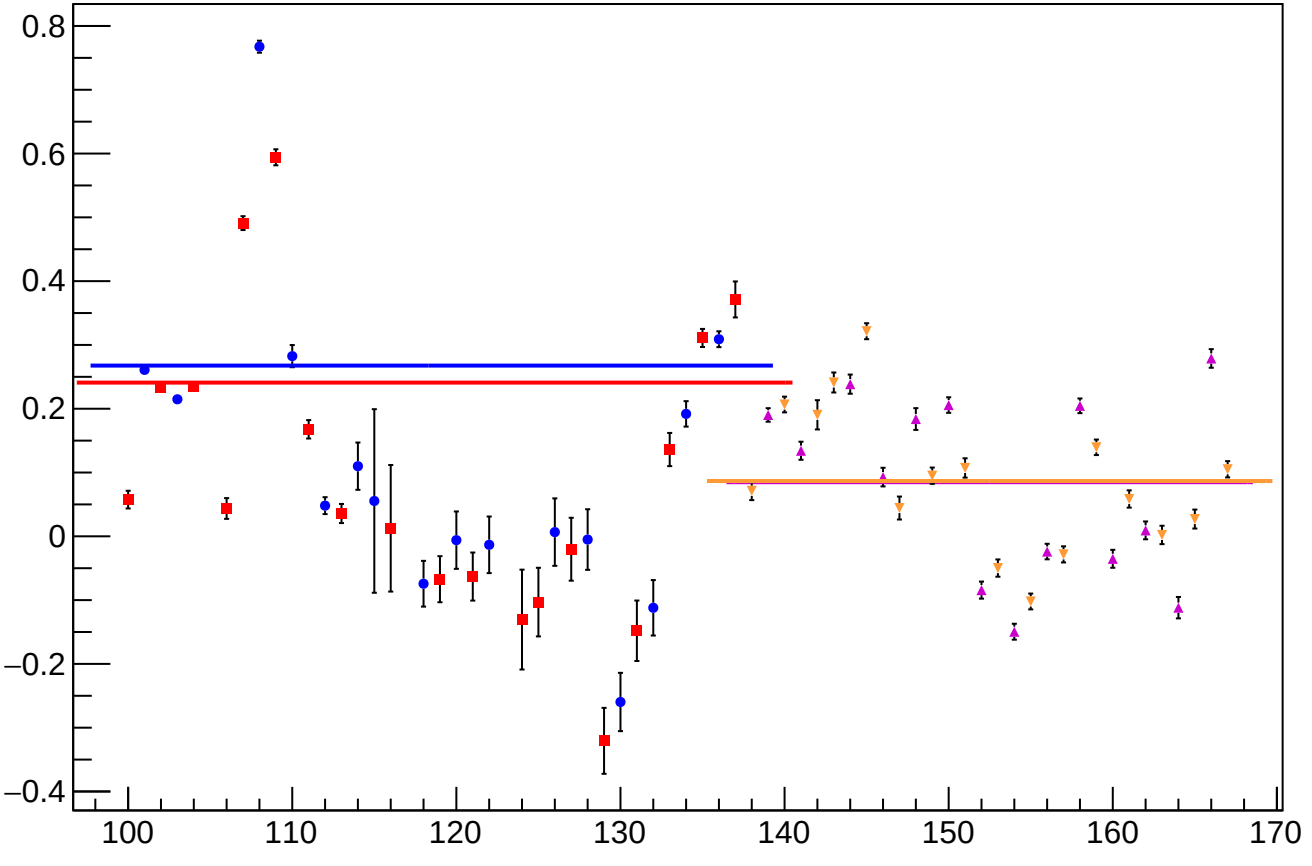
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 28.832+/-0.052 χ^2/NDF:238960.1/29

Out: 29.212+/-0.051 χ^2/NDF:268519.5/34

All: 29.027+/-0.036 χ^2/NDF: 507506.9/64

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.087+/-0.003 χ^2/NDF:1065.8/15

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.085+/-0.004 χ^2/NDF:1465.3/13

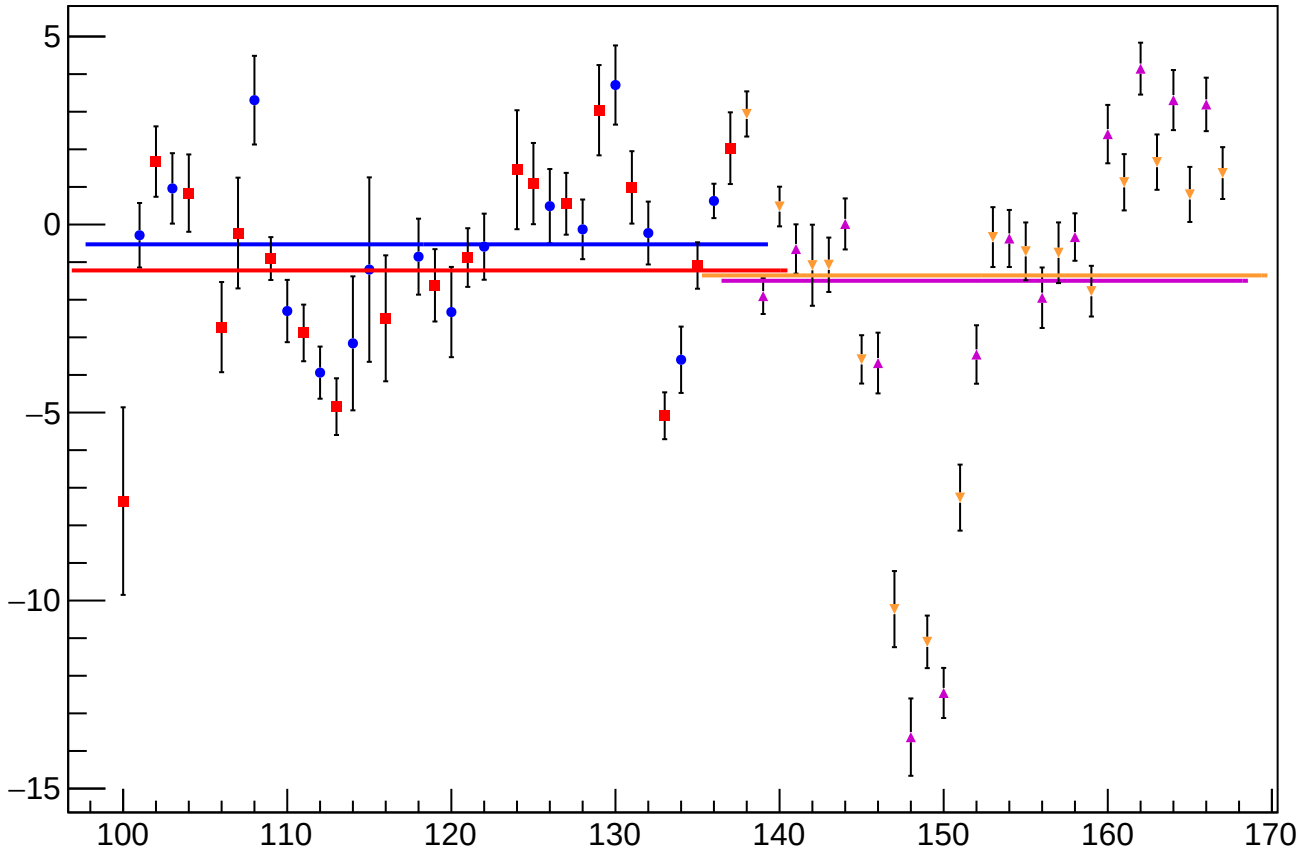
Left: 0.086+/-0.002 χ^2/NDF: 2531.3/29

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.199+/-0.002 χ^2/NDF:6805.7/29

Out: 0.182+/-0.002 χ^2/NDF:4621.1/34

All: 0.190+/-0.002 χ^2/NDF: 11457.2/64



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.353+/-0.181 χ^2/NDF:447.2/15

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.496+/-0.188 χ^2/NDF:608.5/13

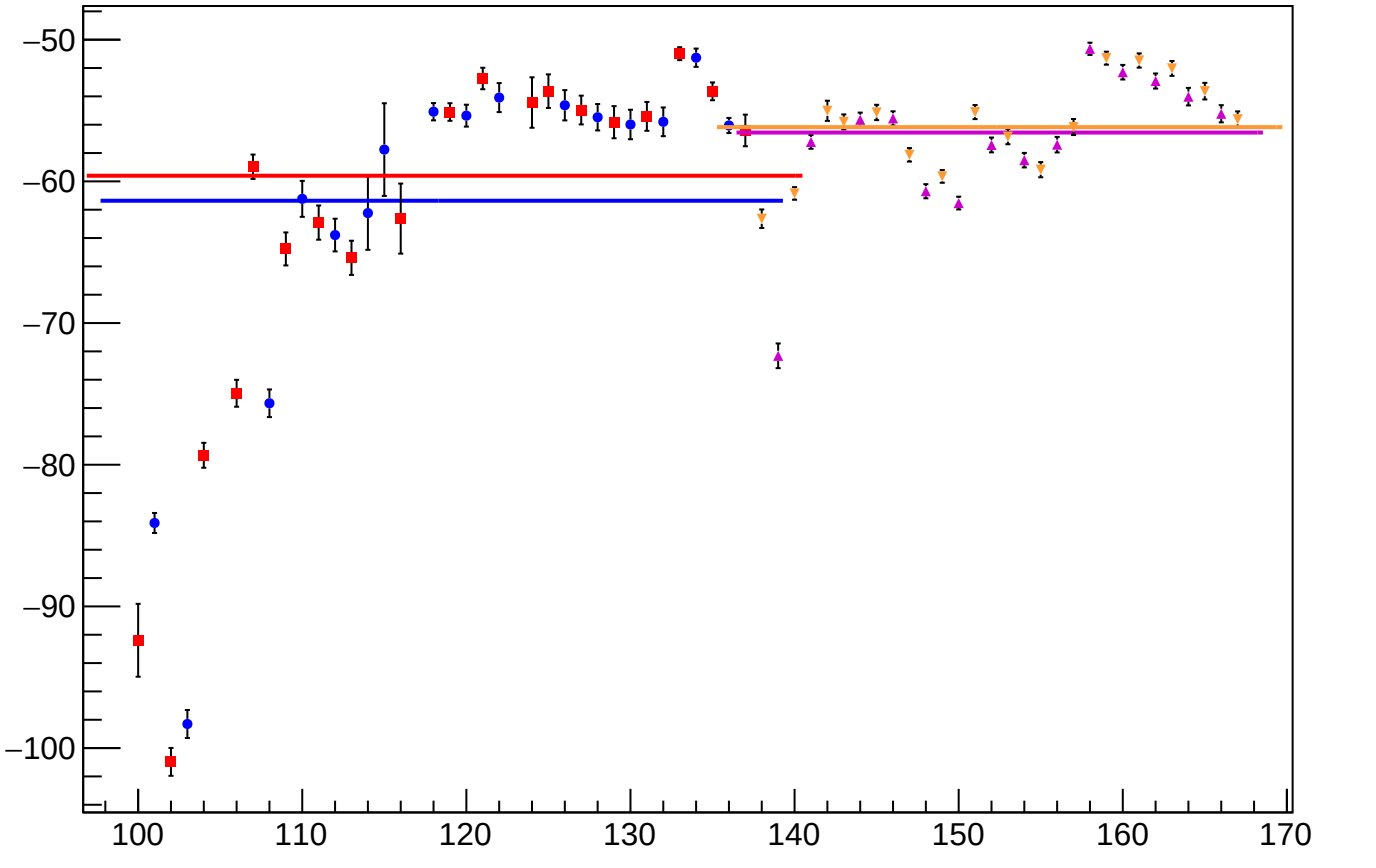
Left: -1.422+/-0.130 χ^2/NDF: 1056.0/29

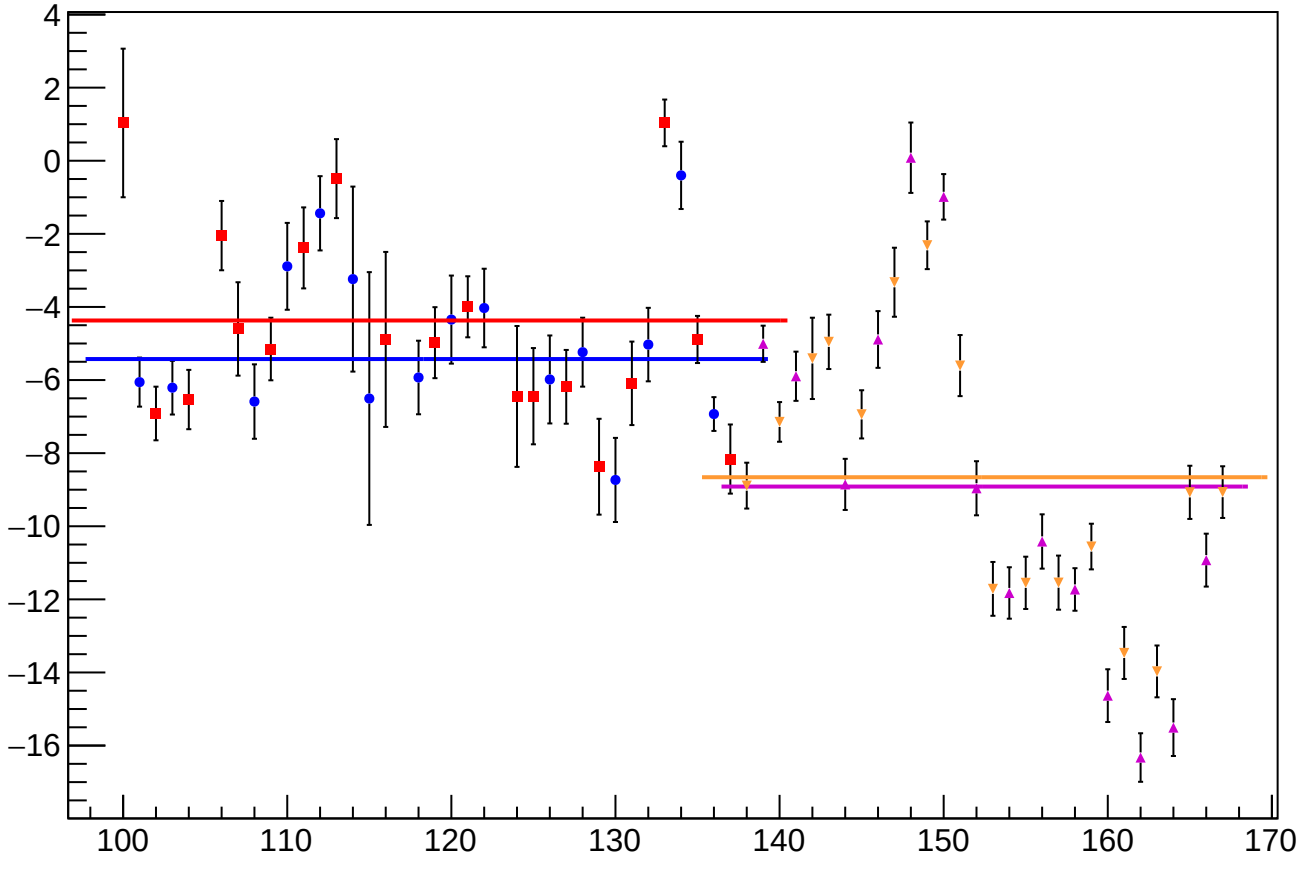
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.081+/-0.142 χ^2/NDF:702.6/29

Out: -1.295+/-0.136 χ^2/NDF:578.4/34

All: -1.193+/-0.098 χ^2/NDF: 1282.2/64


reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
170
Right In: -61.367+/-0.219 χ²/NDF: 3351.2/15
Left Out: -56.171+/-0.131 χ²/NDF:609.7/15
Right Out: -59.601+/-0.207 χ²/NDF: 3421.3/18
Left In: -56.553+/-0.140 χ²/NDF:869.6/13
Left: -56.350+/-0.096 χ²/NDF: 1483.4/29
Right: -60.433+/-0.150 χ²/NDF: 6806.9/34
In: -57.947+/-0.118 χ²/NDF:4564.0/29
Out: -57.155+/-0.111 χ²/NDF:4227.6/34
All: -57.526+/-0.081 χ²/NDF: 8815.6/64



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.659+/-0.177 χ^2/NDF:348.1/15

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -8.914+/-0.183 χ^2/NDF:670.3/13

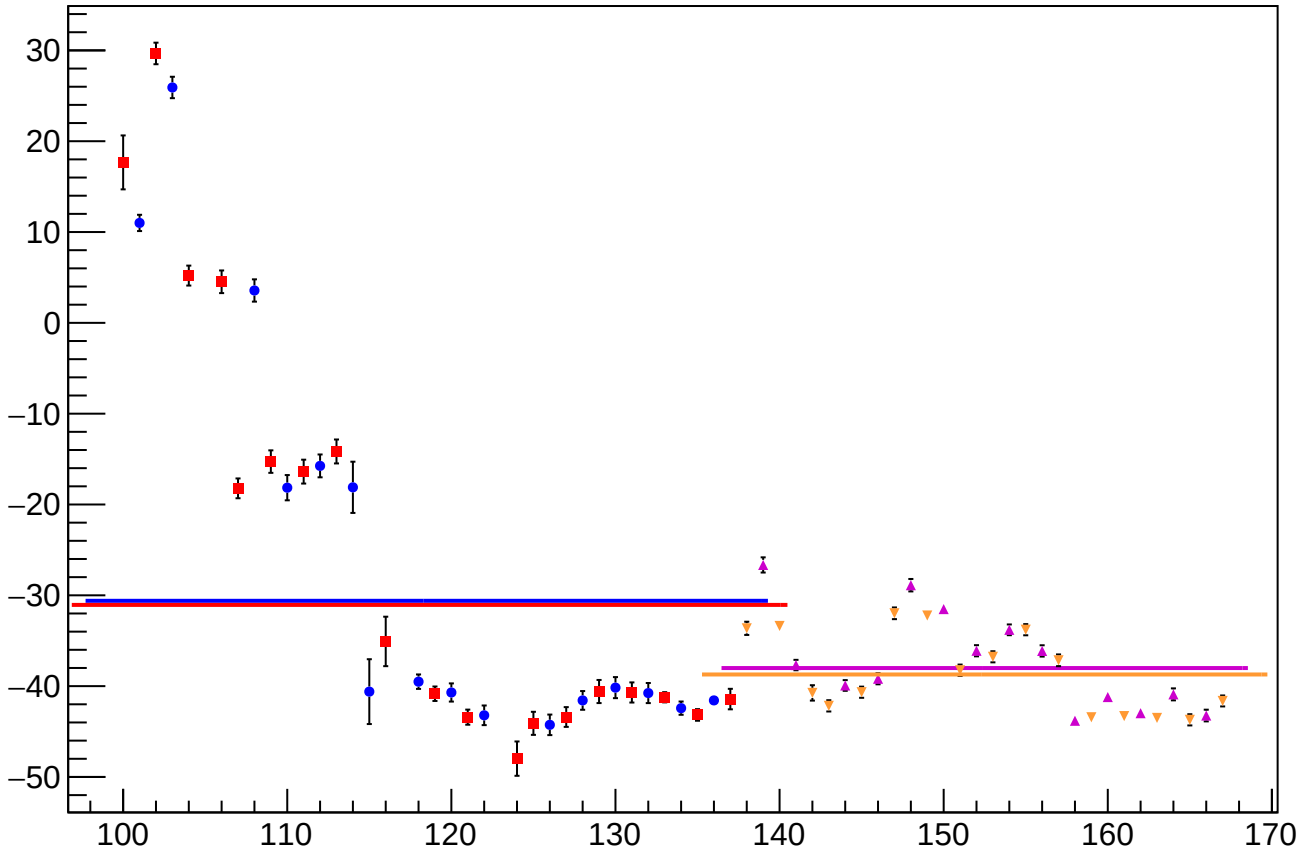
Left: -8.783+/-0.127 χ^2/NDF: 1019.4/29

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.565+/-0.143 χ^2/NDF:887.5/29

Out: -6.993+/-0.139 χ^2/NDF:731.8/34

All: -7.270+/-0.100 χ^2/NDF: 1627.5/64



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -38.717+/-0.150 χ^2/NDF:863.5/15

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.009+/-0.158 χ^2/NDF:963.6/13

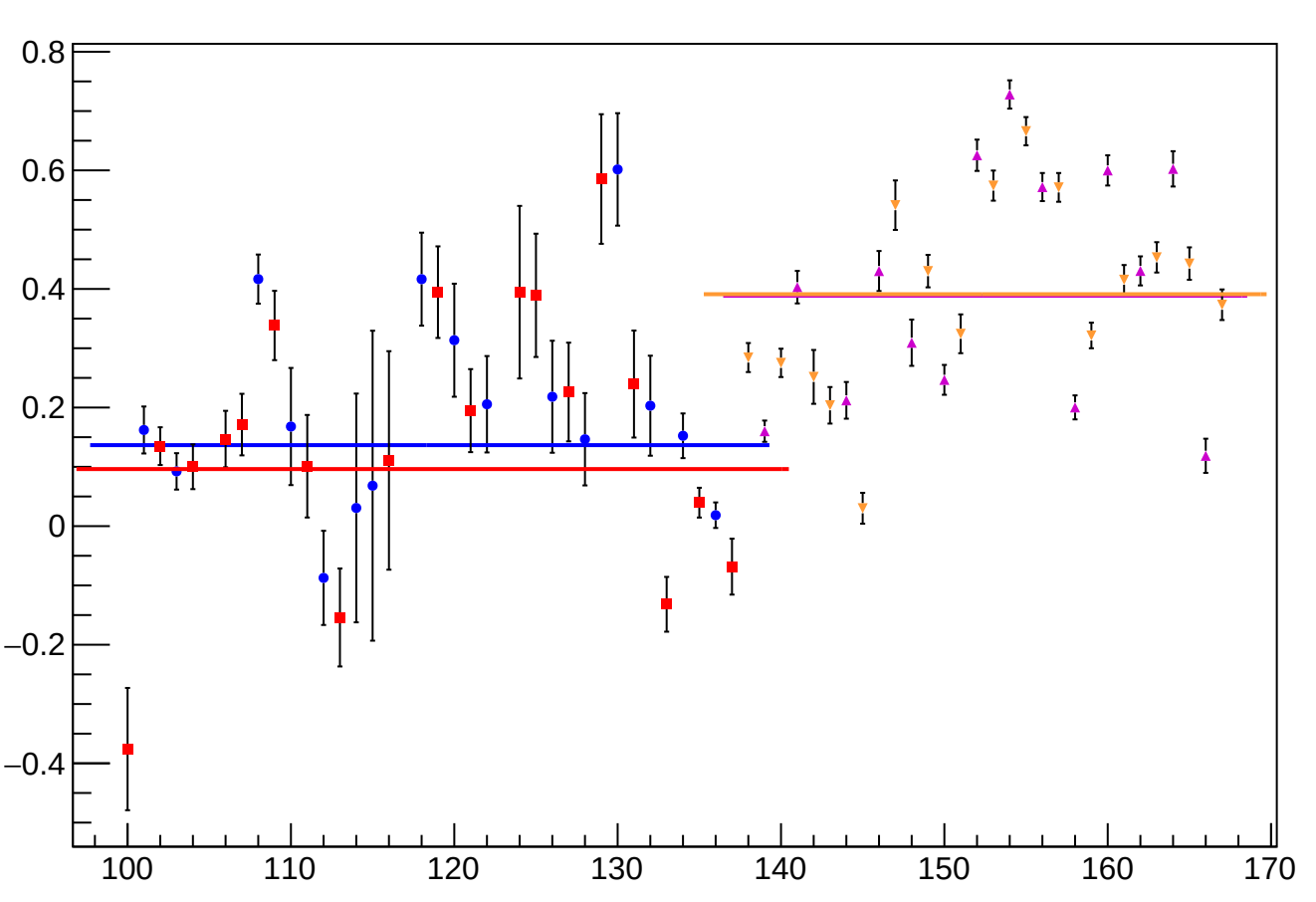
Left: -38.382+/-0.109 χ^2/NDF: 1837.7/29

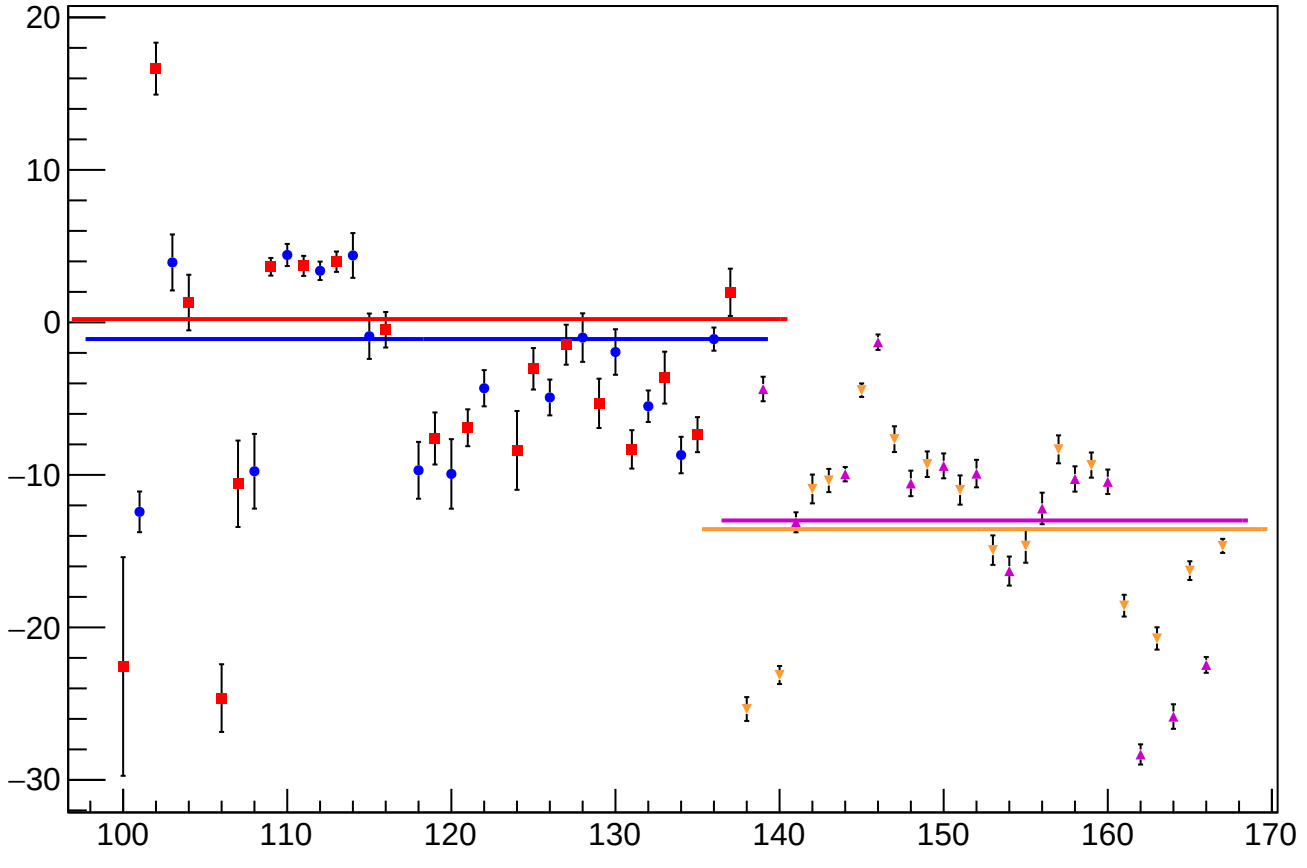
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -35.885+/-0.134 χ^2/NDF:8530.2/29

Out: -36.540+/-0.127 χ^2/NDF:8583.1/34

All: -36.230+/-0.092 χ^2/NDF: 17126.0/64


reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.137+/-0.013 χ²/NDF: 129.2/15
Left Out: 0.391+/-0.007 χ²/NDF:562.6/15
Right Out: 0.096+/-0.012 χ²/NDF: 147.7/18
Left In: 0.388+/-0.007 χ²/NDF:872.5/13
Left: 0.390+/-0.005 χ²/NDF: 1435.3/29
Right: 0.116+/-0.009 χ²/NDF: 282.3/34
In: 0.331+/-0.006 χ²/NDF:1314.7/29
Out: 0.324+/-0.006 χ²/NDF:1152.0/34
All: 0.328+/-0.004 χ²/NDF: 2467.3/64



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.555+/-0.177 χ^2/NDF:1253.2/15

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -12.989+/-0.186 χ^2/NDF:1884.7/13

Left: -13.286+/-0.128 χ^2/NDF: 3142.8/29

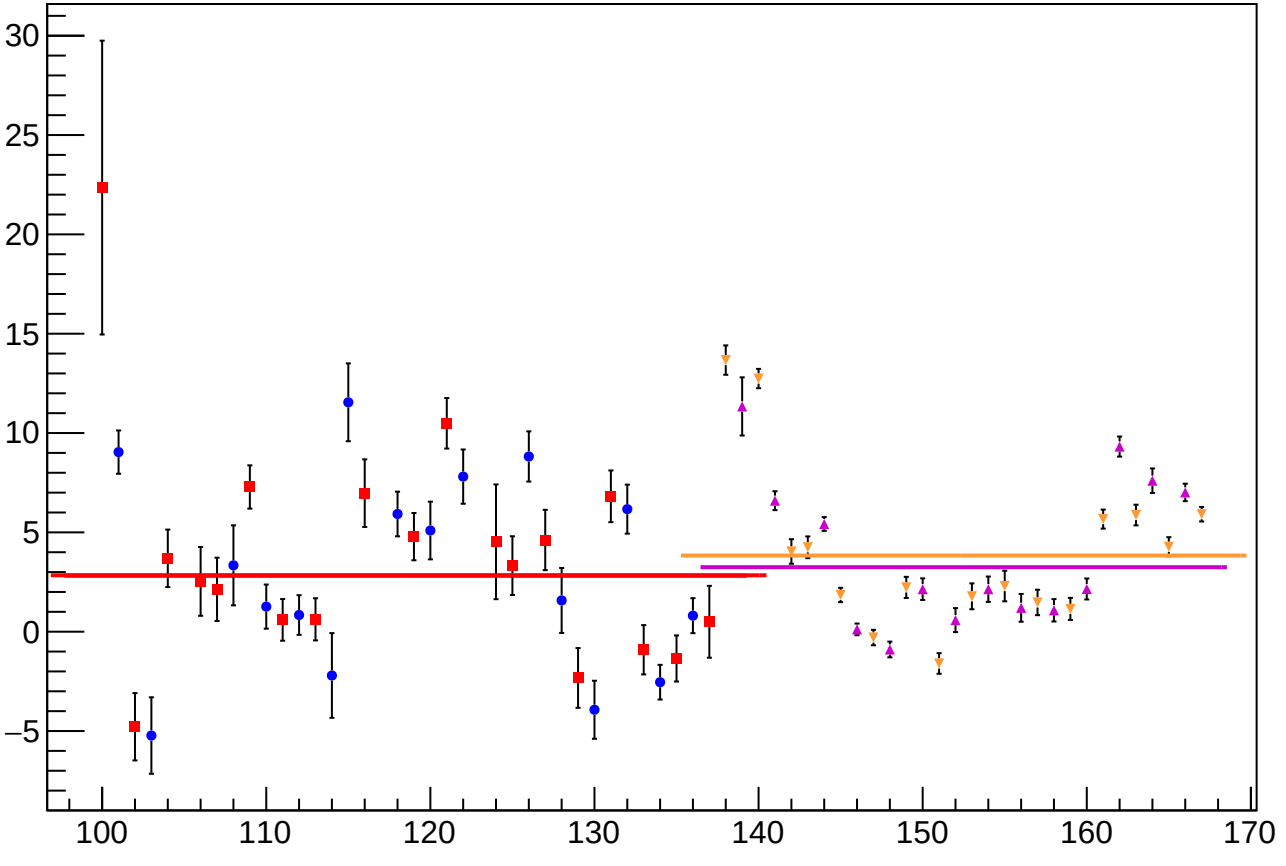
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -9.365+/-0.155 χ^2/NDF:3466.9/29

Out: -9.346+/-0.147 χ^2/NDF:3632.7/34

All: -9.355+/-0.107 χ^2/NDF: 7099.6/64

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.835+/-0.126 χ^2/NDF:889.2/15

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 3.247+/-0.129 χ^2/NDF:664.2/13

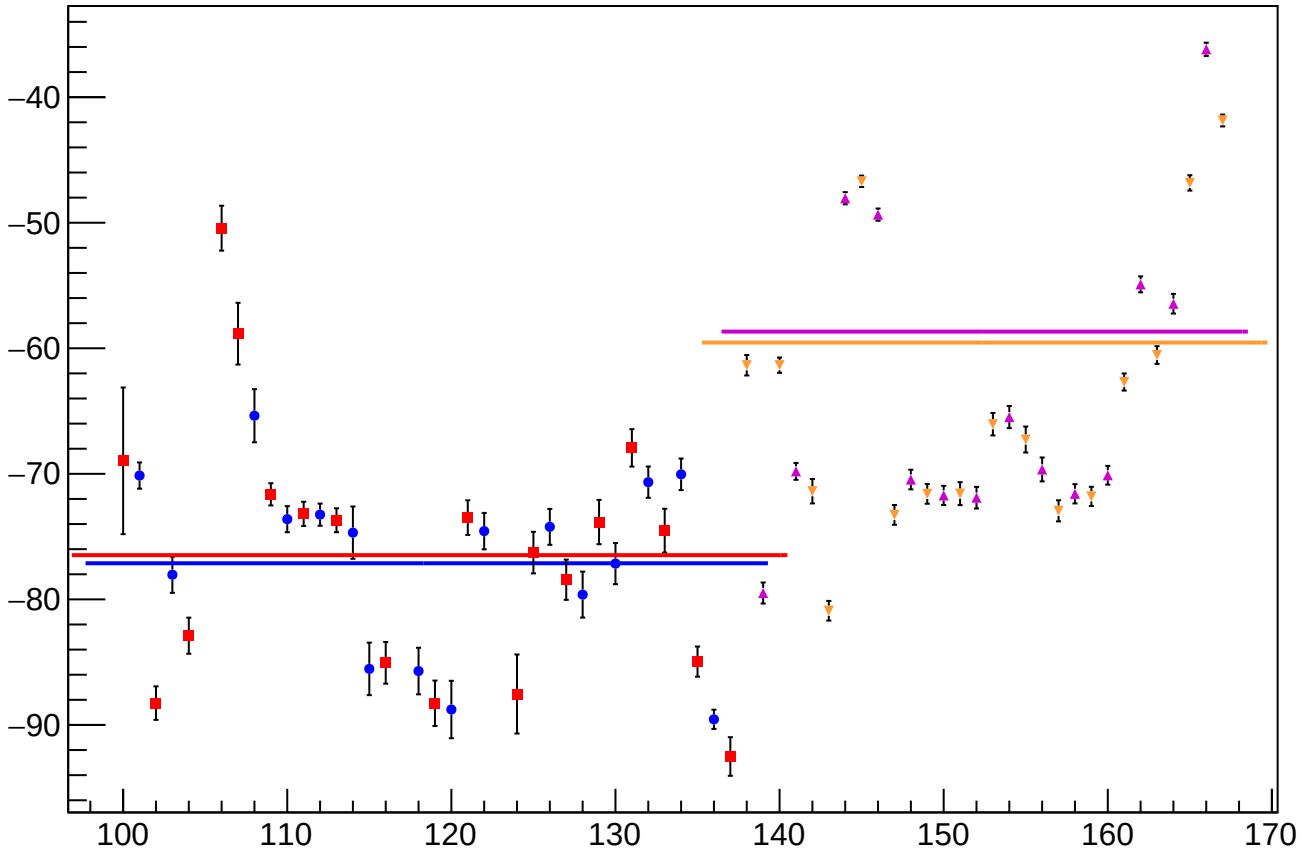
Left: 3.548+/-0.090 χ^2/NDF: 1563.9/29

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 3.186+/-0.119 χ^2/NDF:865.3/29

Out: 3.703+/-0.117 χ^2/NDF:1042.4/34

All: 3.449+/-0.084 χ^2/NDF: 1917.2/64



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -59.543+/-0.175 χ^2/NDF:4886.9/15

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -58.670+/-0.182 χ^2/NDF:5051.2/13

Left: -59.124+/-0.126 χ^2/NDF: 9950.1/29

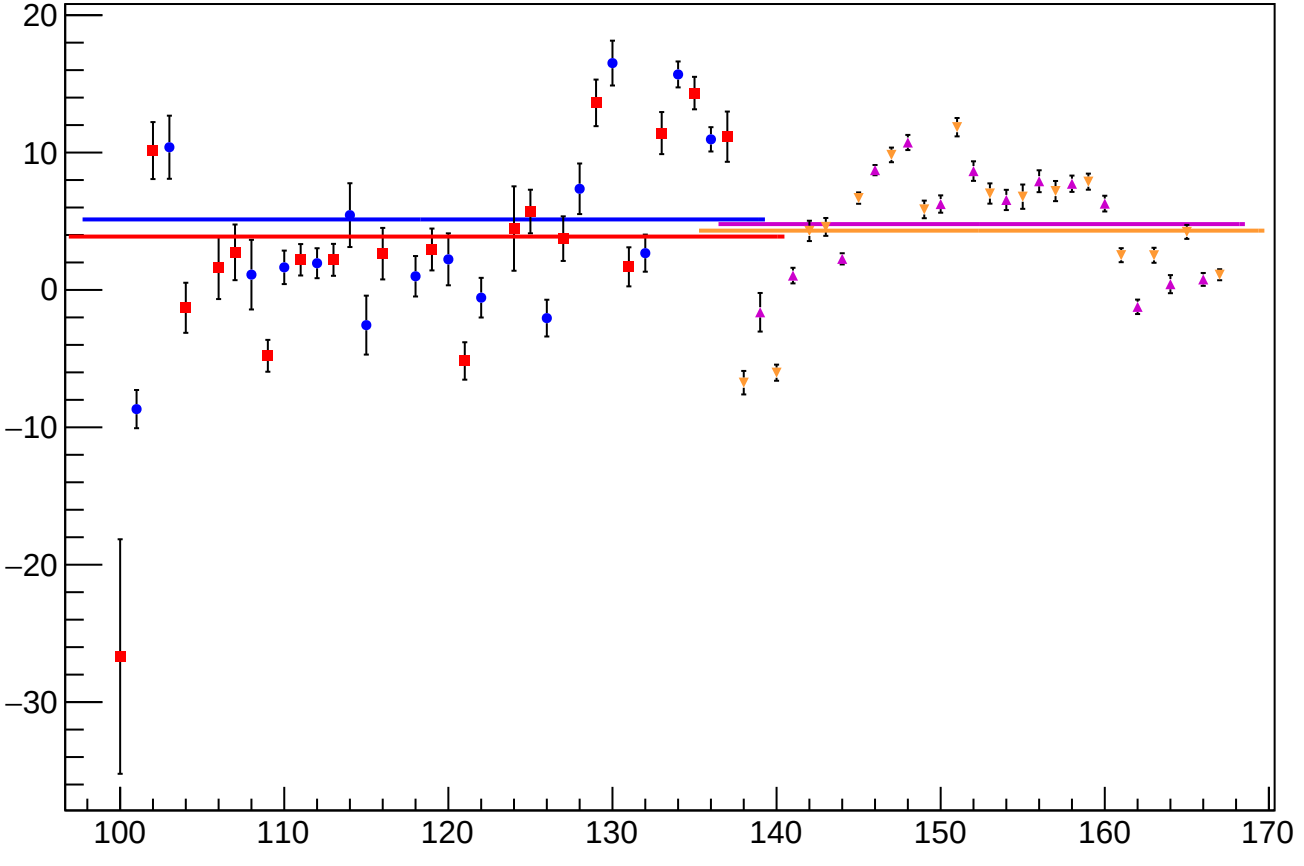
Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -63.033+/-0.159 χ^2/NDF:7996.7/29

Out: -63.277+/-0.154 χ^2/NDF:7653.6/34

All: -63.159+/-0.111 χ^2/NDF: 15651.5/64

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.317+/-0.145 χ^2/NDF:911.7/15

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 4.792+/-0.150 χ^2/NDF:666.8/13

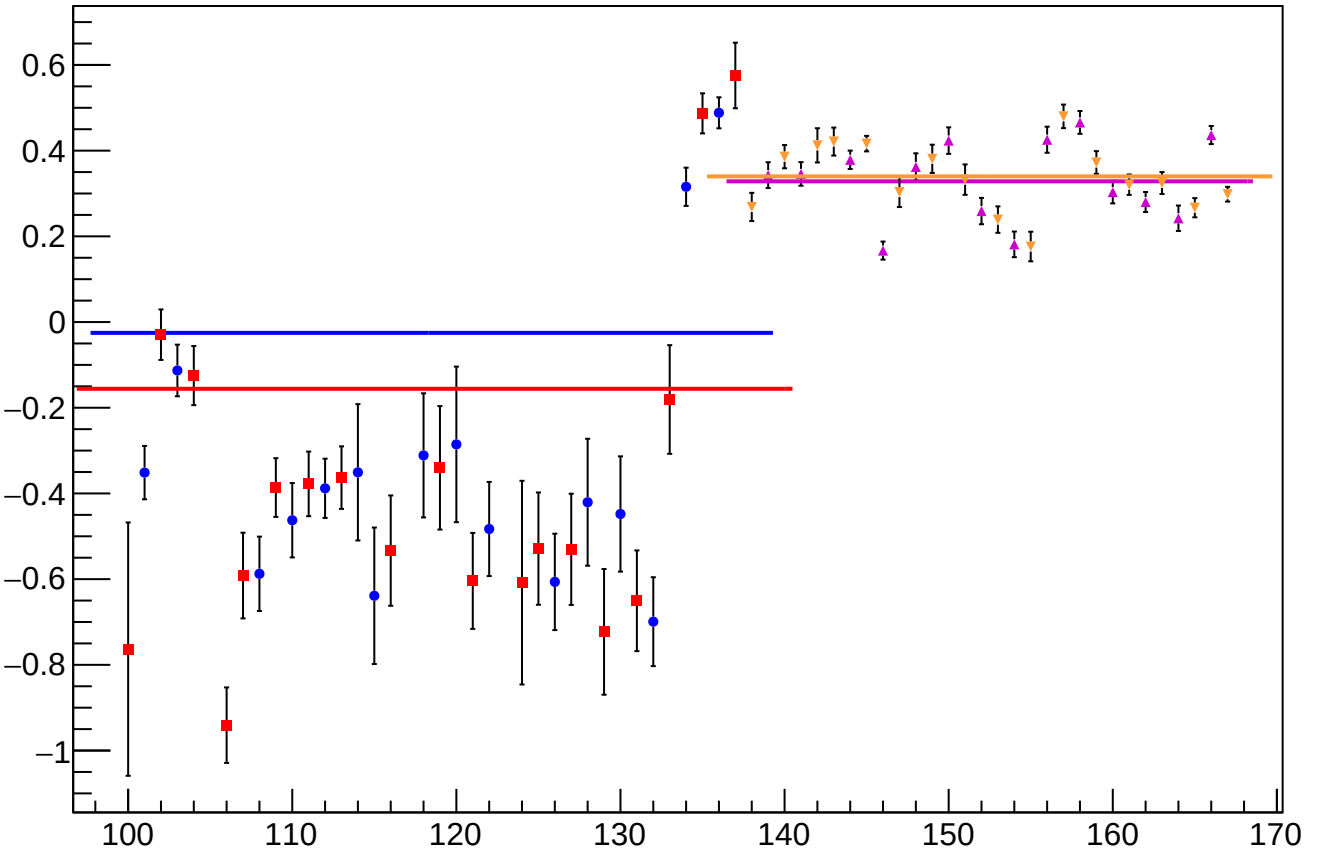
Left: 4.546+/-0.104 χ^2/NDF: 1583.7/29

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 4.845+/-0.138 χ^2/NDF:1079.9/29

Out: 4.257+/-0.134 χ^2/NDF:1204.4/34

All: 4.544+/-0.096 χ^2/NDF: 2293.6/64



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.340+/-0.007 χ^2/NDF:115.8/15

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.328+/-0.007 χ^2/NDF:181.2/13

Left: 0.334+/-0.005 χ^2/NDF: 298.4/29

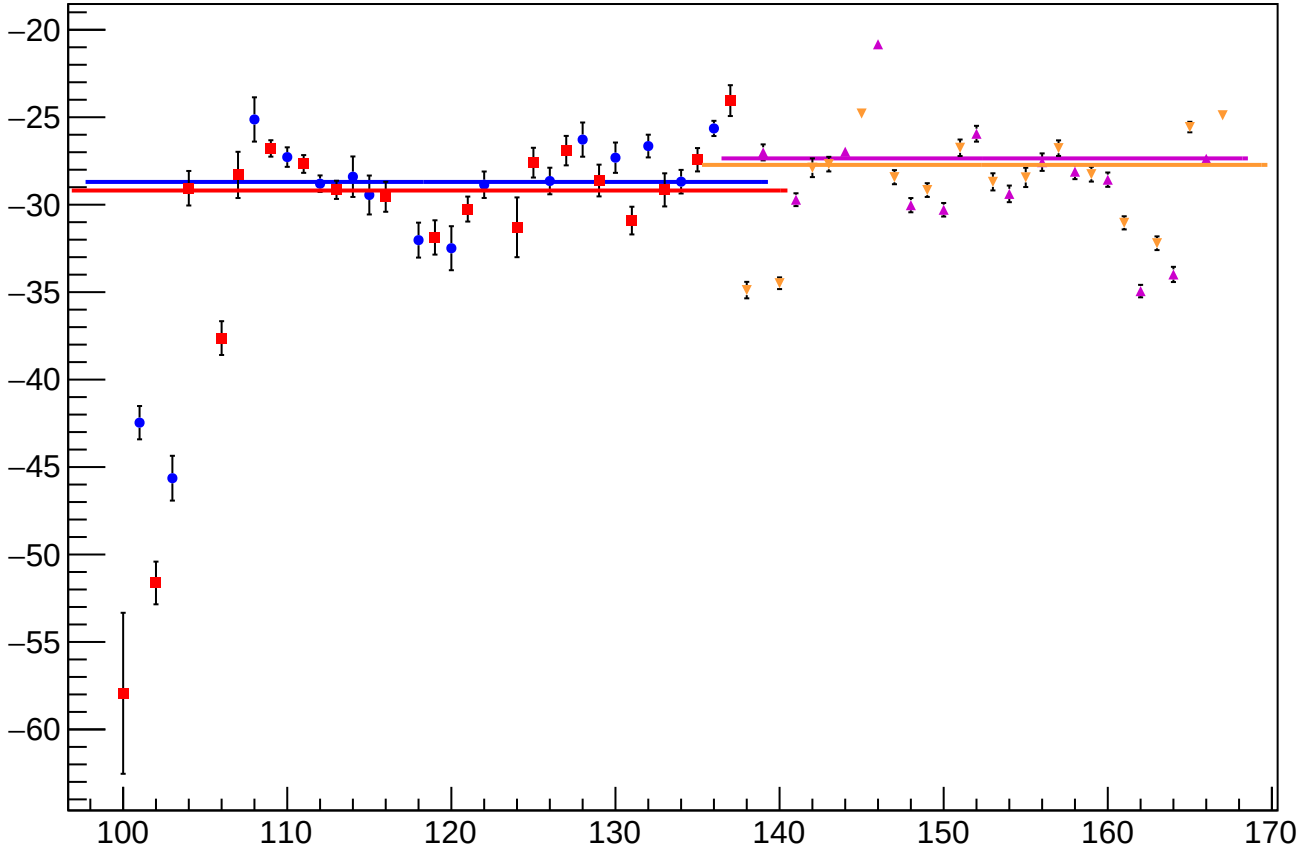
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.285+/-0.007 χ^2/NDF:999.9/29

Out: 0.292+/-0.006 χ^2/NDF:1153.6/34

All: 0.289+/-0.005 χ^2/NDF: 2153.9/64

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.724+/-0.088 χ^2/NDF:1322.0/15

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -27.353+/-0.090 χ^2/NDF:1872.3/13

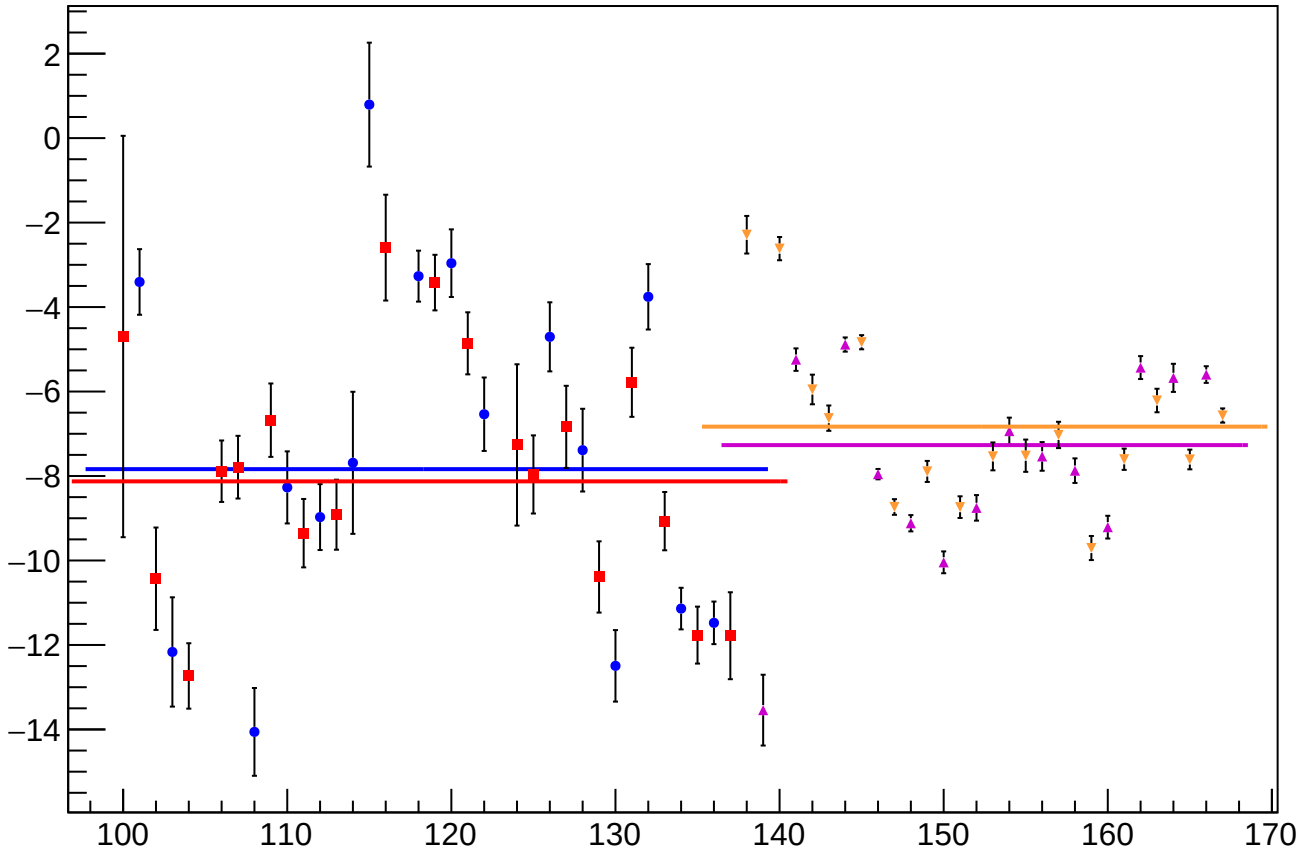
Left: -27.543+/-0.063 χ^2/NDF: 3203.0/29

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.608+/-0.081 χ^2/NDF:2402.0/29

Out: -28.004+/-0.079 χ^2/NDF:1932.1/34

All: -27.810+/-0.057 χ^2/NDF: 4346.4/64



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.831+/-0.063 χ^2/NDF:804.5/15

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.268+/-0.062 χ^2/NDF:775.4/13

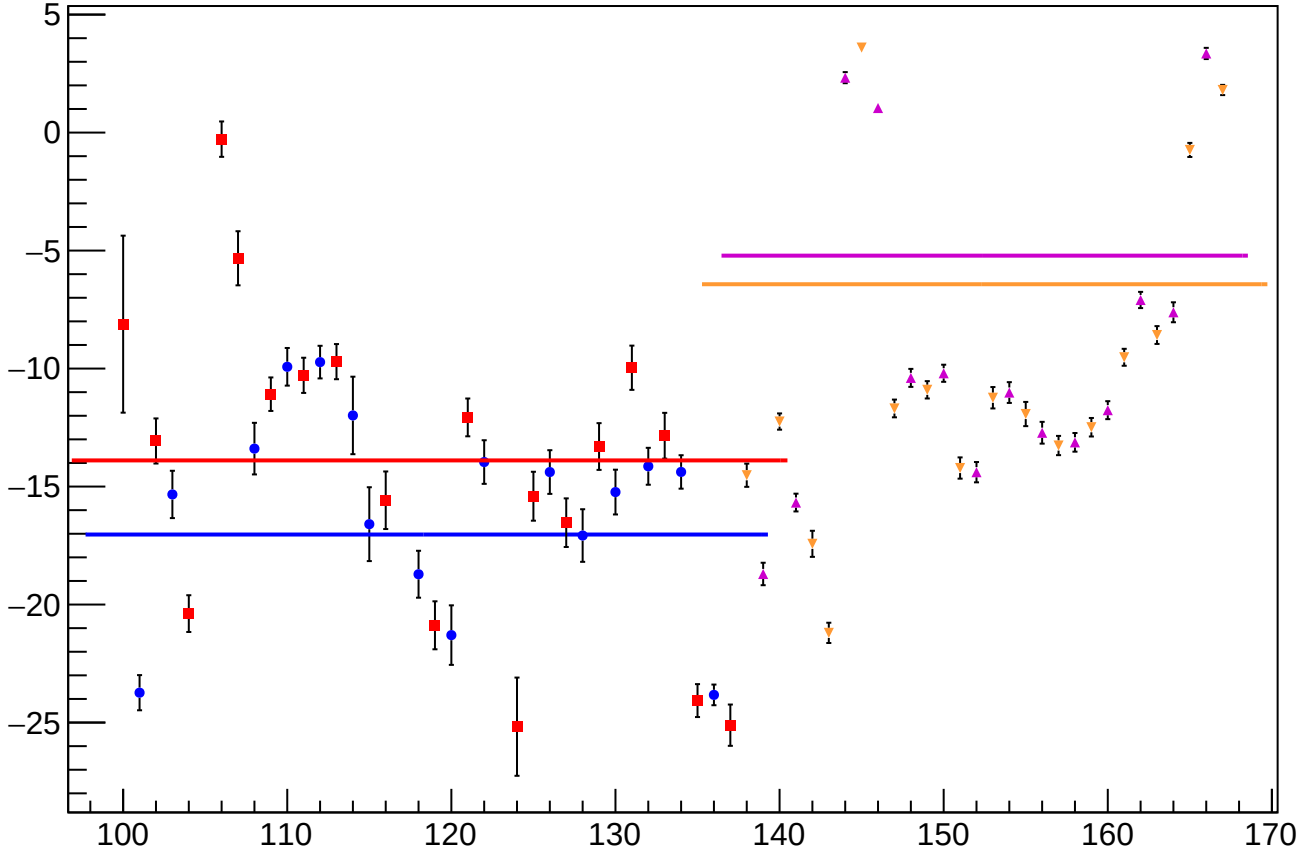
Left: -7.053+/-0.044 χ^2/NDF: 1604.7/29

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.320+/-0.059 χ^2/NDF:1166.4/29

Out: -6.950+/-0.060 χ^2/NDF:1041.3/34

All: -7.138+/-0.042 χ^2/NDF: 2227.1/64



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -6.426+/-0.087 χ^2/NDF:7766.5/15

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -5.215+/-0.088 χ^2/NDF:6923.1/13

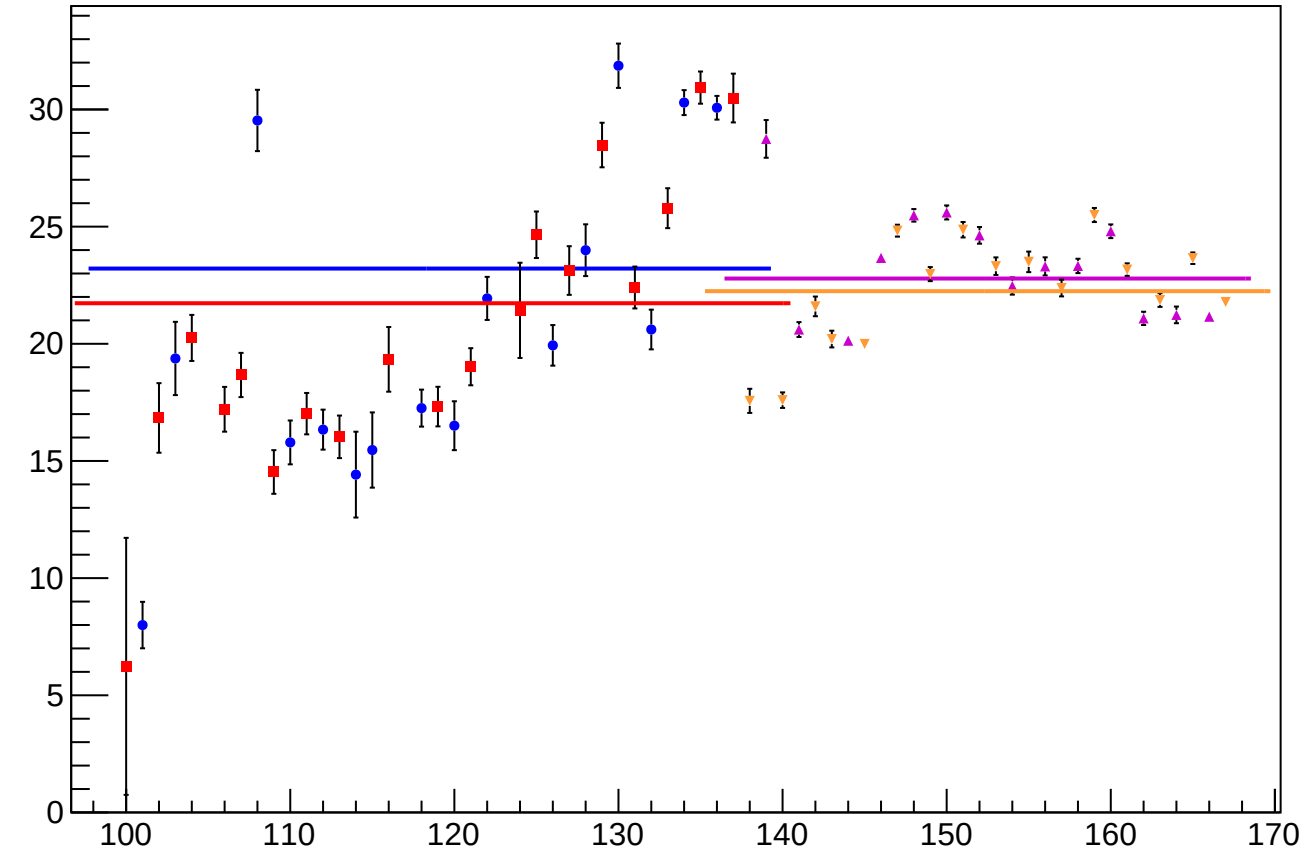
Left: -5.826+/-0.062 χ^2/NDF: 14785.7/29

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -6.982+/-0.081 χ^2/NDF:10233.8/29

Out: -7.525+/-0.080 χ^2/NDF:9868.7/34

All: -7.256+/-0.057 χ^2/NDF: 20125.3/64



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.246+/-0.072 χ^2/NDF:810.8/15

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.785+/-0.072 χ^2/NDF:700.5/13

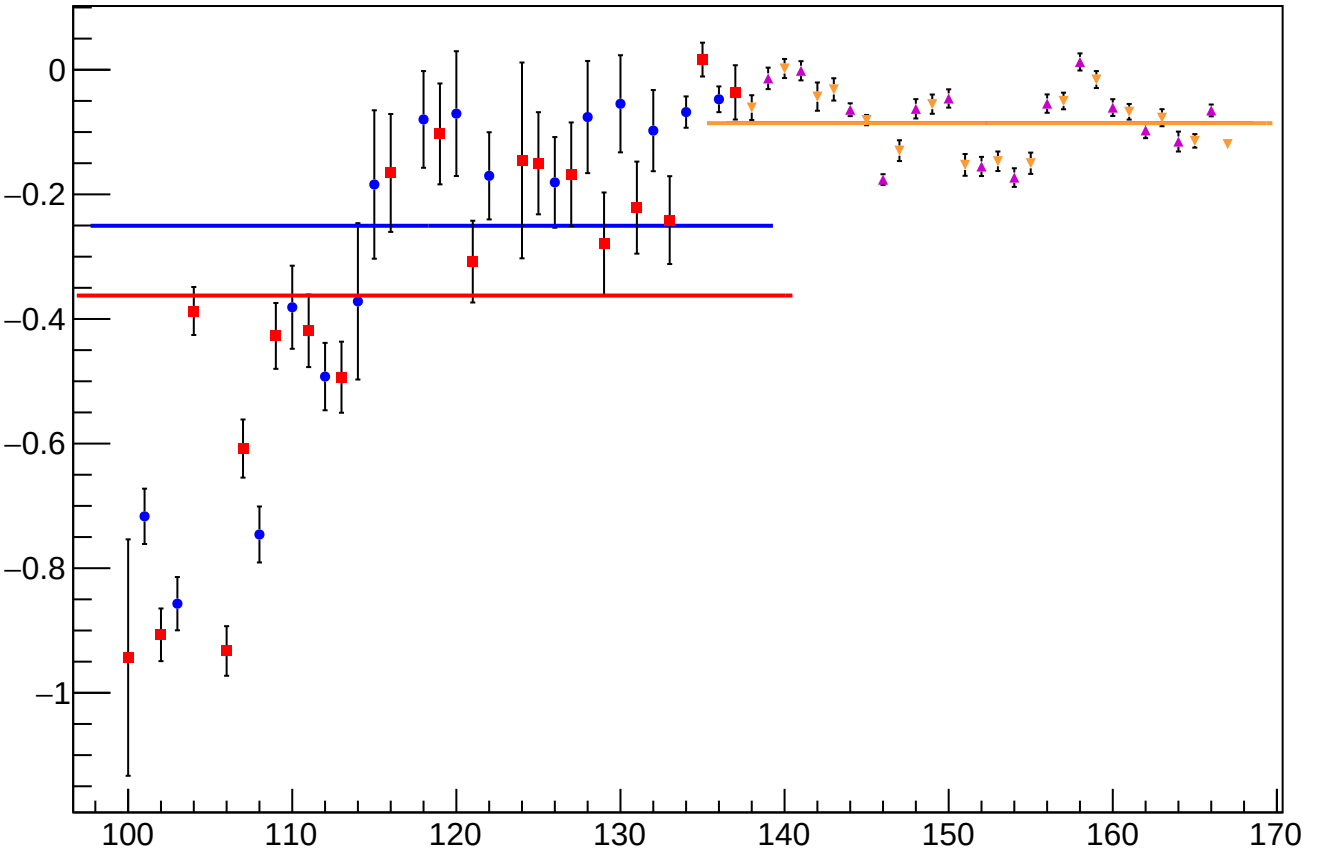
Left: 22.515+/-0.051 χ^2/NDF: 1539.2/29

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.827+/-0.069 χ^2/NDF:1712.1/29

Out: 22.198+/-0.069 χ^2/NDF:1373.8/34

All: 22.513+/-0.049 χ^2/NDF: 3128.0/64



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.086+/-0.003 χ^2/NDF:163.5/15

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.085+/-0.003 χ^2/NDF:293.5/13

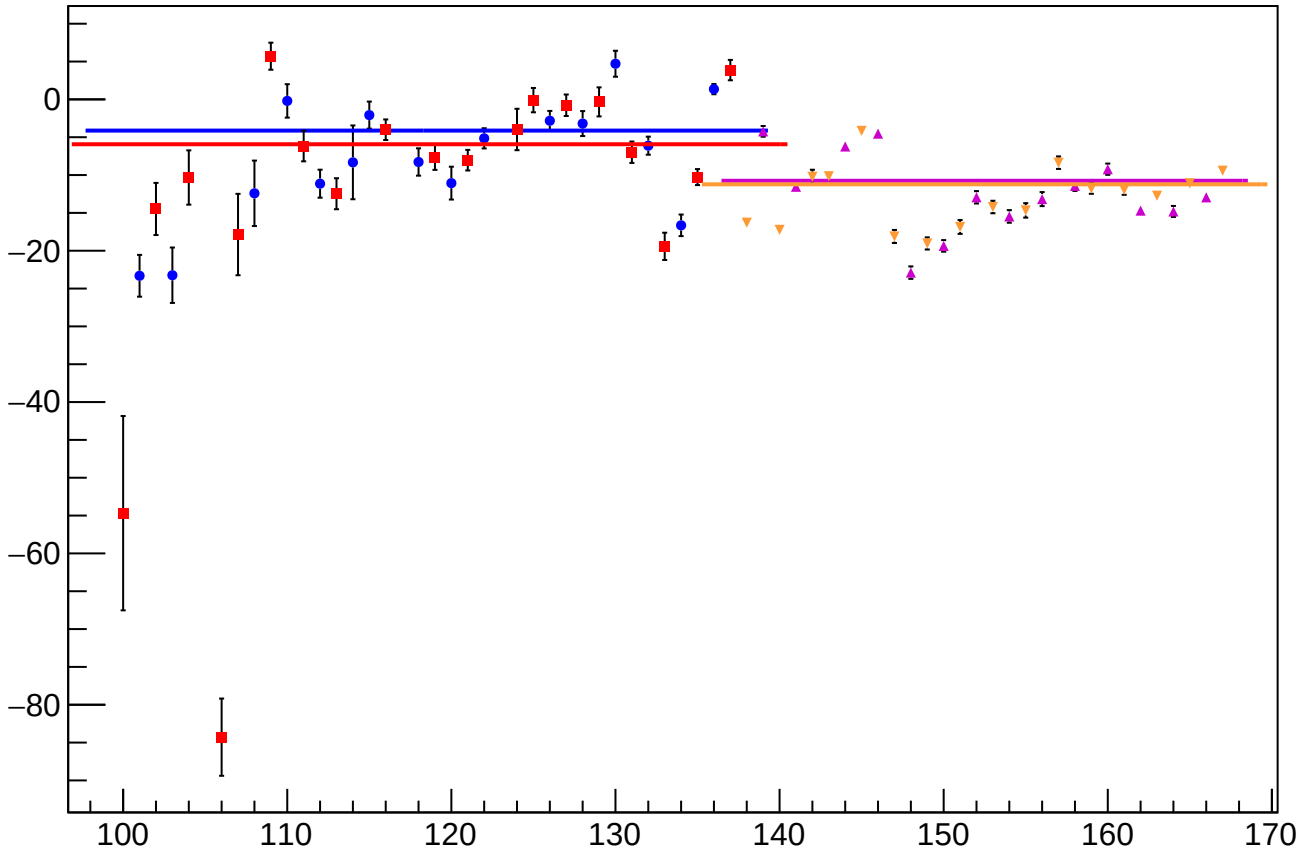
Left: -0.086+/-0.002 χ^2/NDF: 456.9/29

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

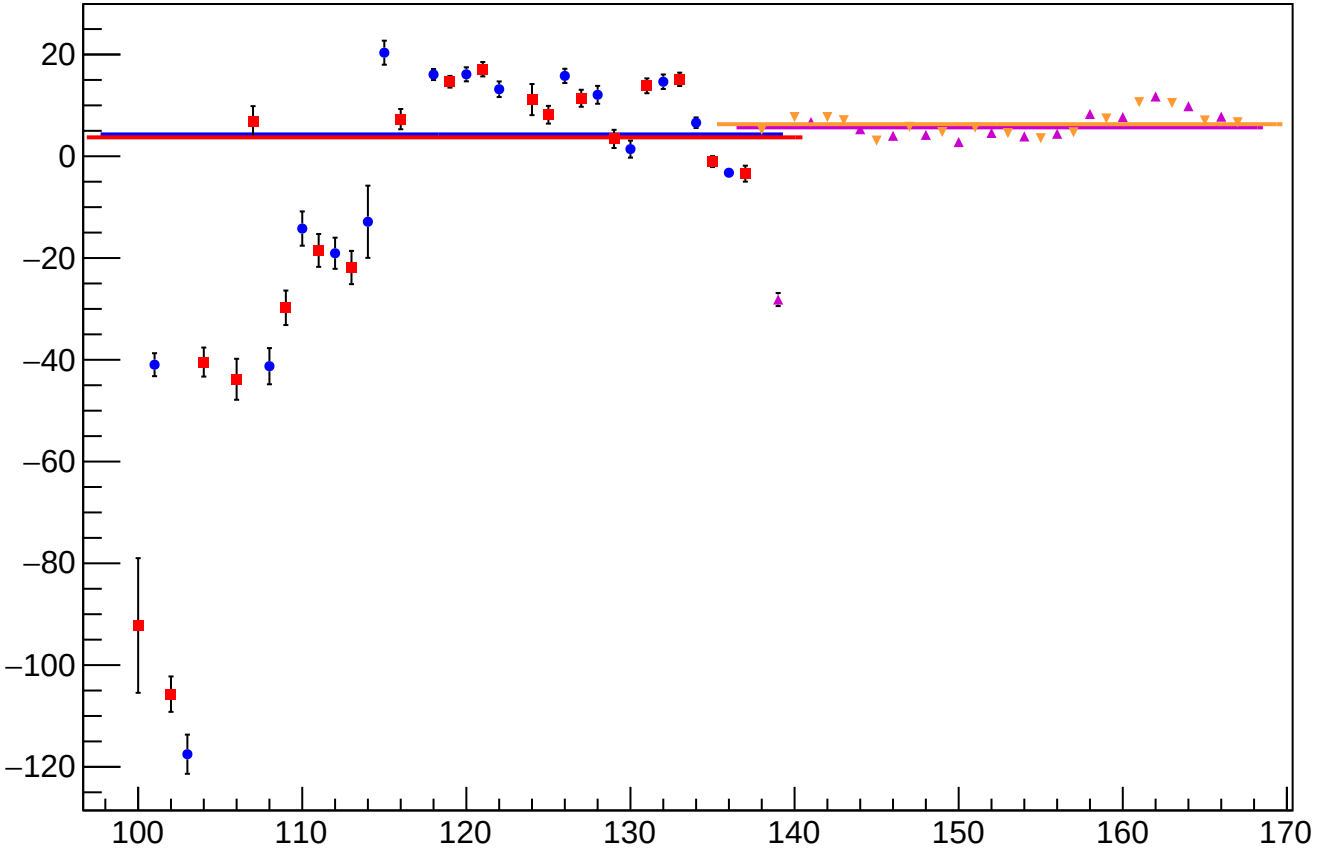
In: -0.099+/-0.003 χ^2/NDF:1111.2/29

Out: -0.104+/-0.003 χ^2/NDF:1336.6/34

All: -0.101+/-0.002 χ^2/NDF: 2449.2/64


reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -4.124+/-0.382 χ²/NDF: 287.9/15
Left Out: -11.225+/-0.155 χ²/NDF:814.5/15
Right Out: -5.930+/-0.408 χ²/NDF: 482.6/18
Left In: -10.755+/-0.163 χ²/NDF:931.3/13
Left: -11.002+/-0.112 χ²/NDF: 1750.2/29
Right: -4.968+/-0.279 χ²/NDF: 781.0/34
In: -9.732+/-0.150 χ²/NDF:1474.4/29
Out: -10.560+/-0.144 χ²/NDF:1444.6/34
All: -10.161+/-0.104 χ²/NDF: 2934.8/64

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.301+/-0.112 χ^2/NDF:367.6/15

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.679+/-0.115 χ^2/NDF:1121.8/13

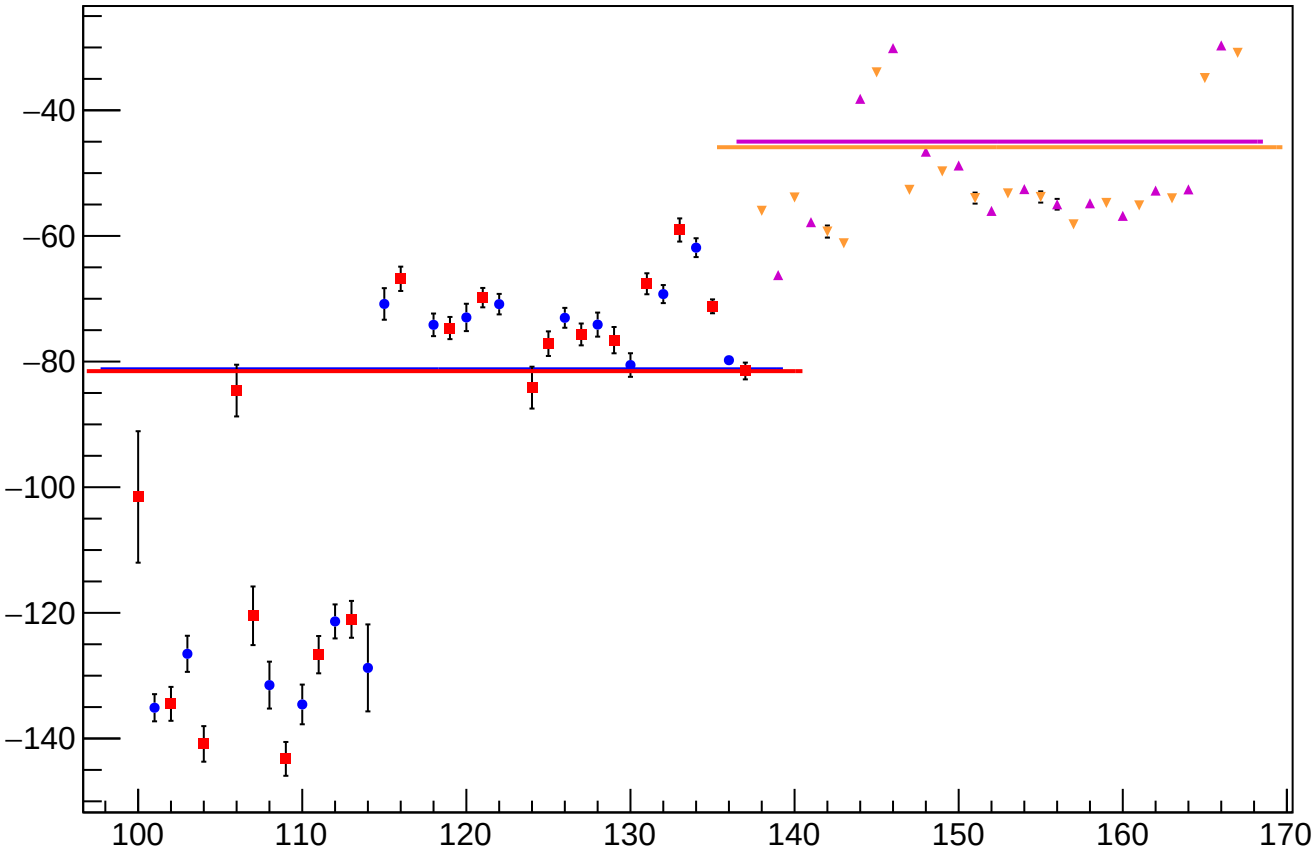
Left: 5.998+/-0.080 χ^2/NDF: 1504.4/29

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

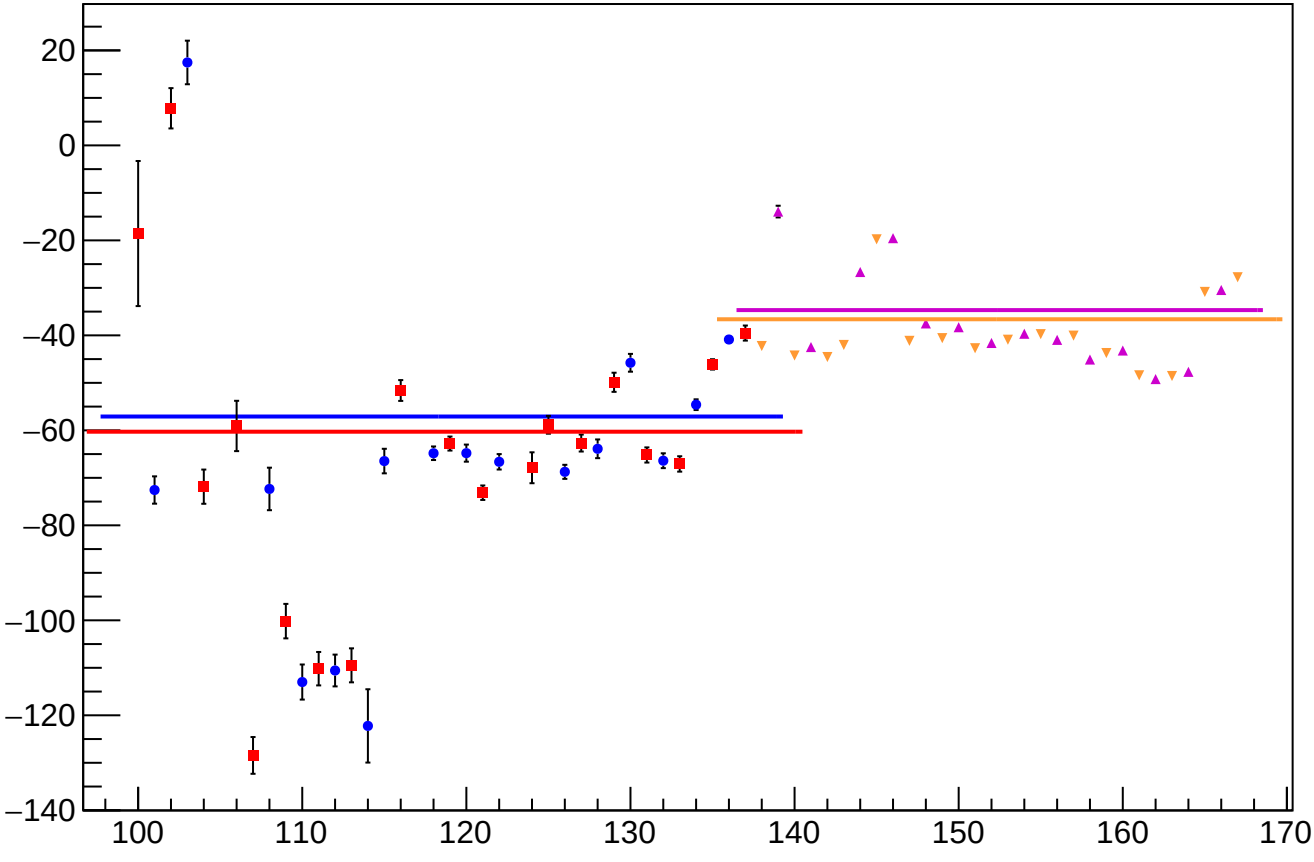
In: 5.567+/-0.110 χ^2/NDF:3302.8/29

Out: 6.132+/-0.108 χ^2/NDF:2409.8/34

All: 5.854+/-0.077 χ^2/NDF: 5726.0/64


reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -81.231+/-0.417 χ²/NDF: 1971.1/15
Left Out: -45.879+/-0.153 χ²/NDF:5220.3/15
Right Out: -81.523+/-0.462 χ²/NDF: 2293.2/18
Left In: -44.986+/-0.159 χ²/NDF:5435.9/13
Left: -45.450+/-0.110 χ²/NDF: 10672.5/29
Right: -81.362+/-0.309 χ²/NDF: 4264.5/34
In: -49.612+/-0.149 χ²/NDF:14002.9/29
Out: -49.417+/-0.145 χ²/NDF:12884.3/34
All: -49.512+/-0.104 χ²/NDF: 26888.0/64

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -36.612+/-0.128 χ^2/NDF:5489.1/15

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -34.681+/-0.133 χ^2/NDF:5938.2/13

Left: -35.682+/-0.092 χ^2/NDF: 11537.3/29

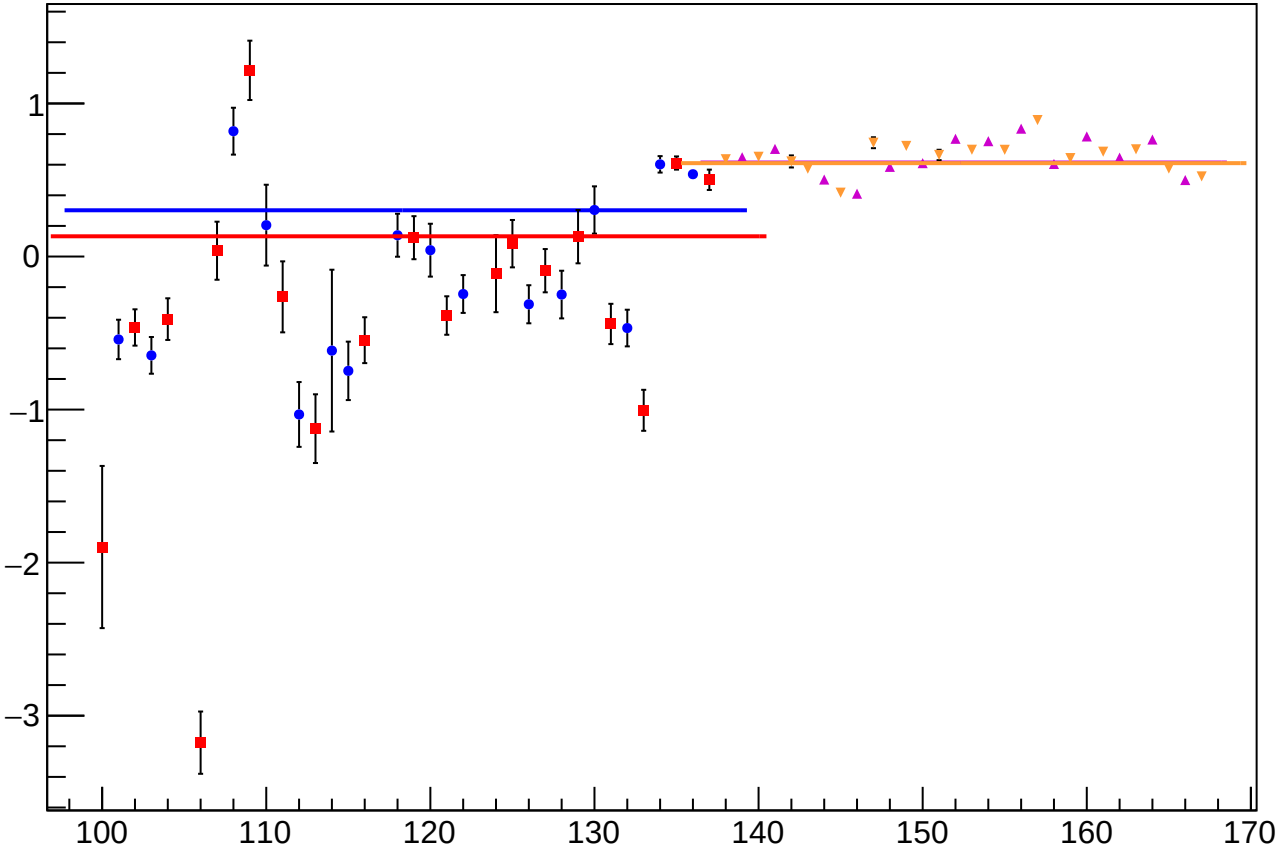
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -36.660+/-0.127 χ^2/NDF:9990.6/29

Out: -38.240+/-0.123 χ^2/NDF:9439.7/34

All: -37.470+/-0.088 χ^2/NDF: 19510.3/64

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.610+/-0.006 χ^2/NDF:415.7/15

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.614+/-0.006 χ^2/NDF:439.3/13

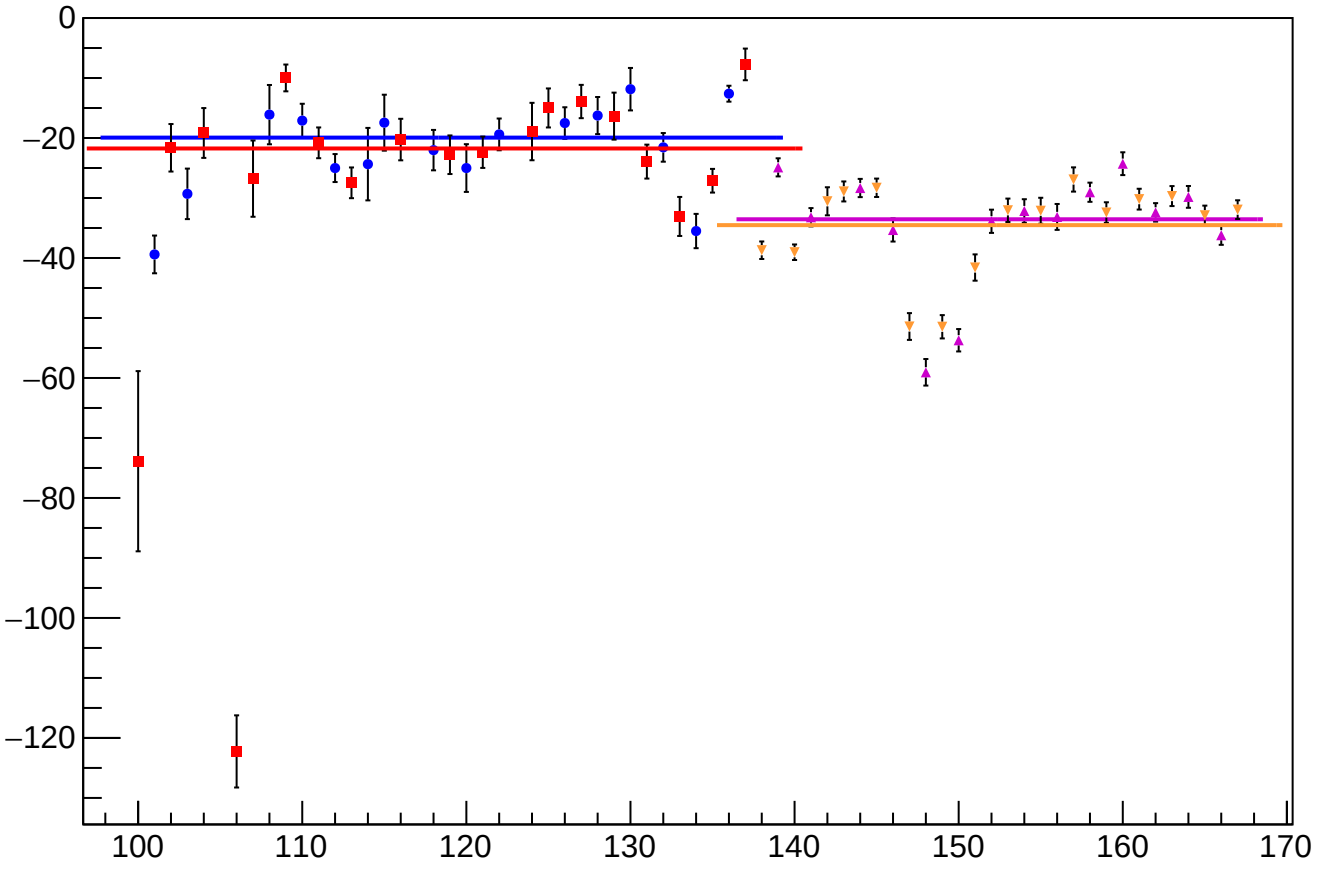
Left: 0.612+/-0.004 χ^2/NDF: 855.2/29

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.593+/-0.006 χ^2/NDF:986.5/29

Out: 0.588+/-0.006 χ^2/NDF:1398.6/34

All: 0.591+/-0.004 χ^2/NDF: 2385.4/64



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.523+/-0.436 χ^2/NDF:231.8/15

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -33.547+/-0.467 χ^2/NDF:334.8/13

Left: -34.068+/-0.319 χ^2/NDF: 568.9/29

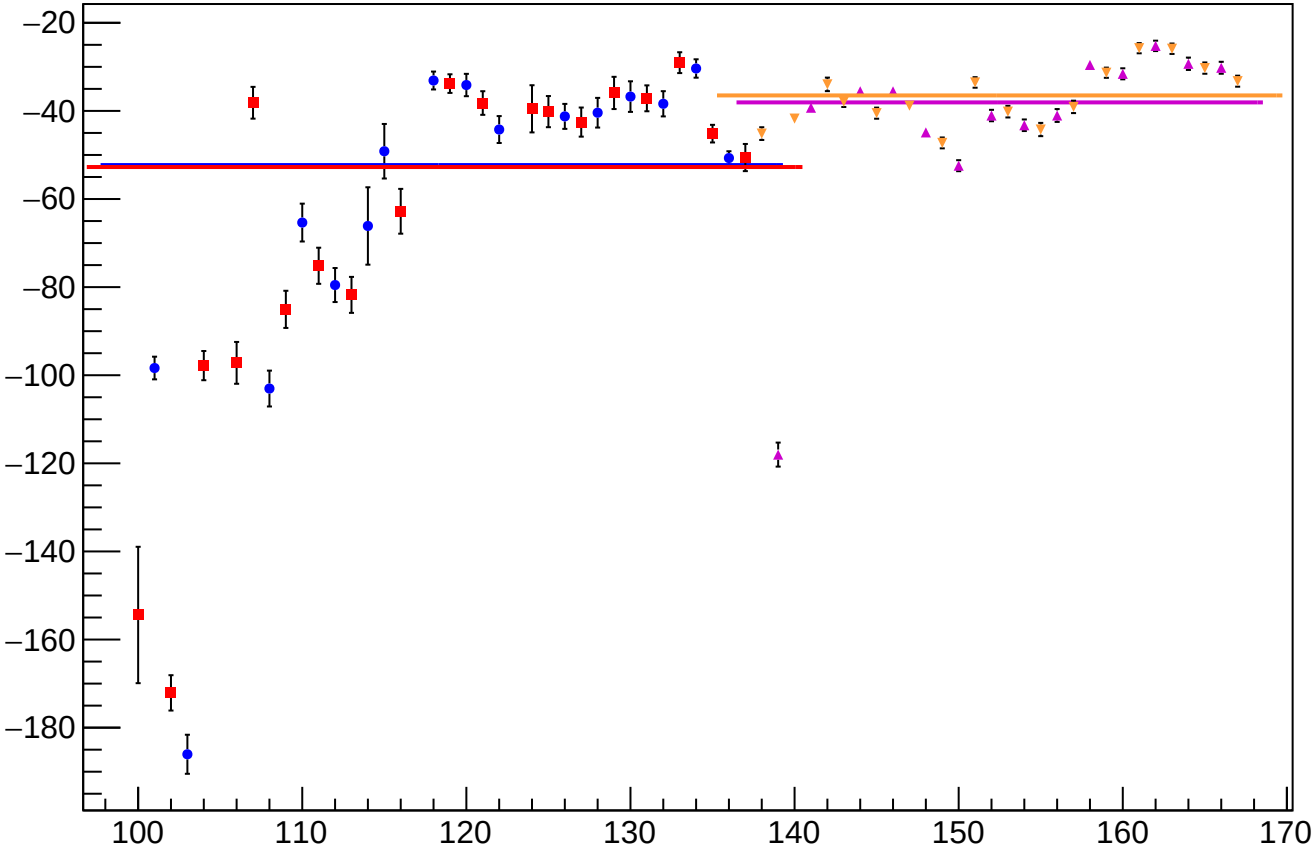
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -29.311+/-0.388 χ^2/NDF:719.8/29

Out: -31.048+/-0.372 χ^2/NDF:853.4/34

All: -30.215+/-0.268 χ^2/NDF: 1583.6/64

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -36.483+/-0.311 χ^2/NDF:413.9/15

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -38.068+/-0.335 χ^2/NDF:1348.1/13

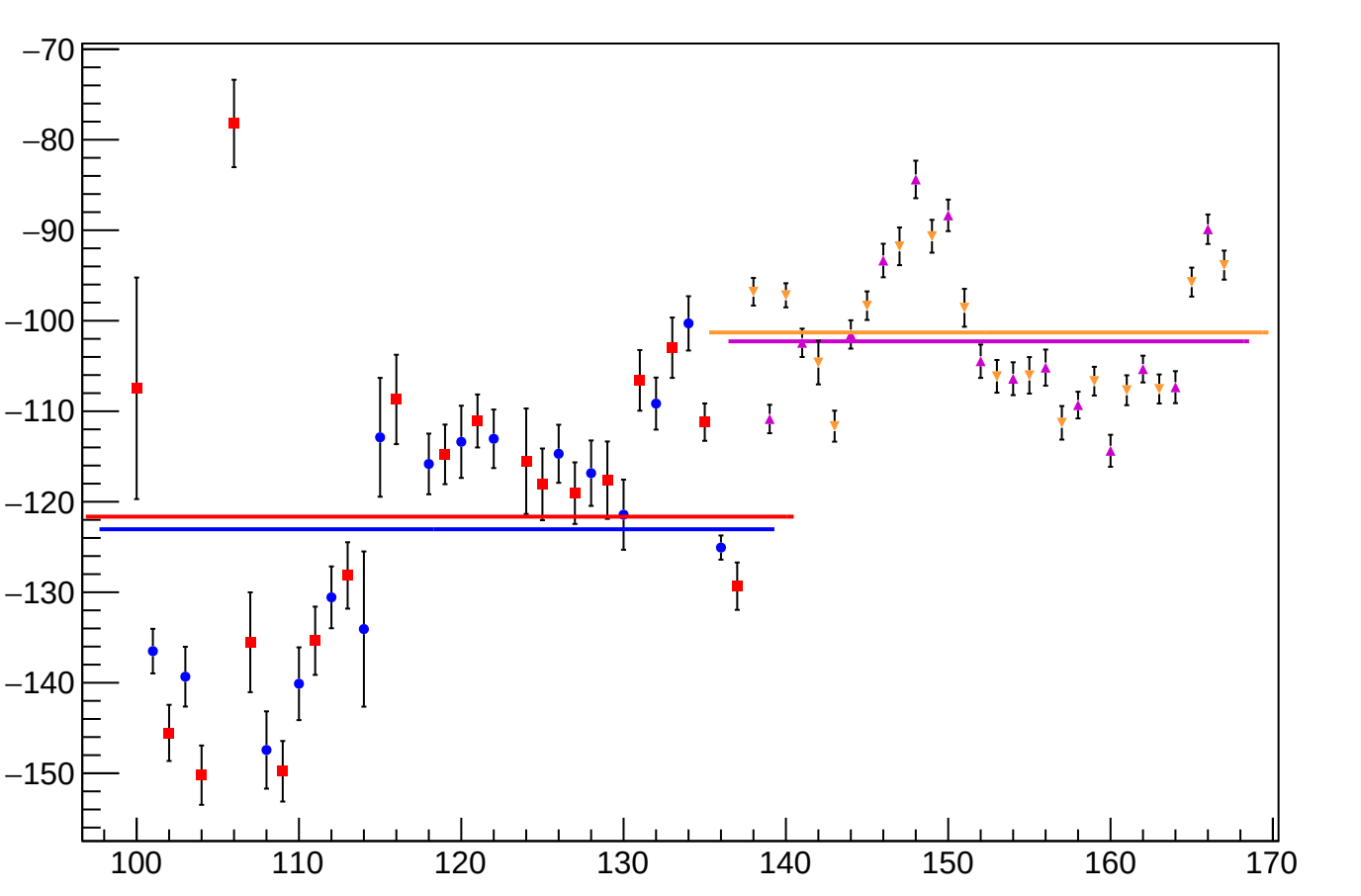
Left: -37.218+/-0.228 χ^2/NDF: 1774.0/29

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -40.665+/-0.303 χ^2/NDF:3456.4/29

Out: -38.878+/-0.287 χ^2/NDF:2478.8/34

All: -39.725+/-0.208 χ^2/NDF: 5953.5/64



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.296+/-0.429 χ^2/NDF:234.0/15

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -102.274+/-0.454 χ^2/NDF:340.2/13

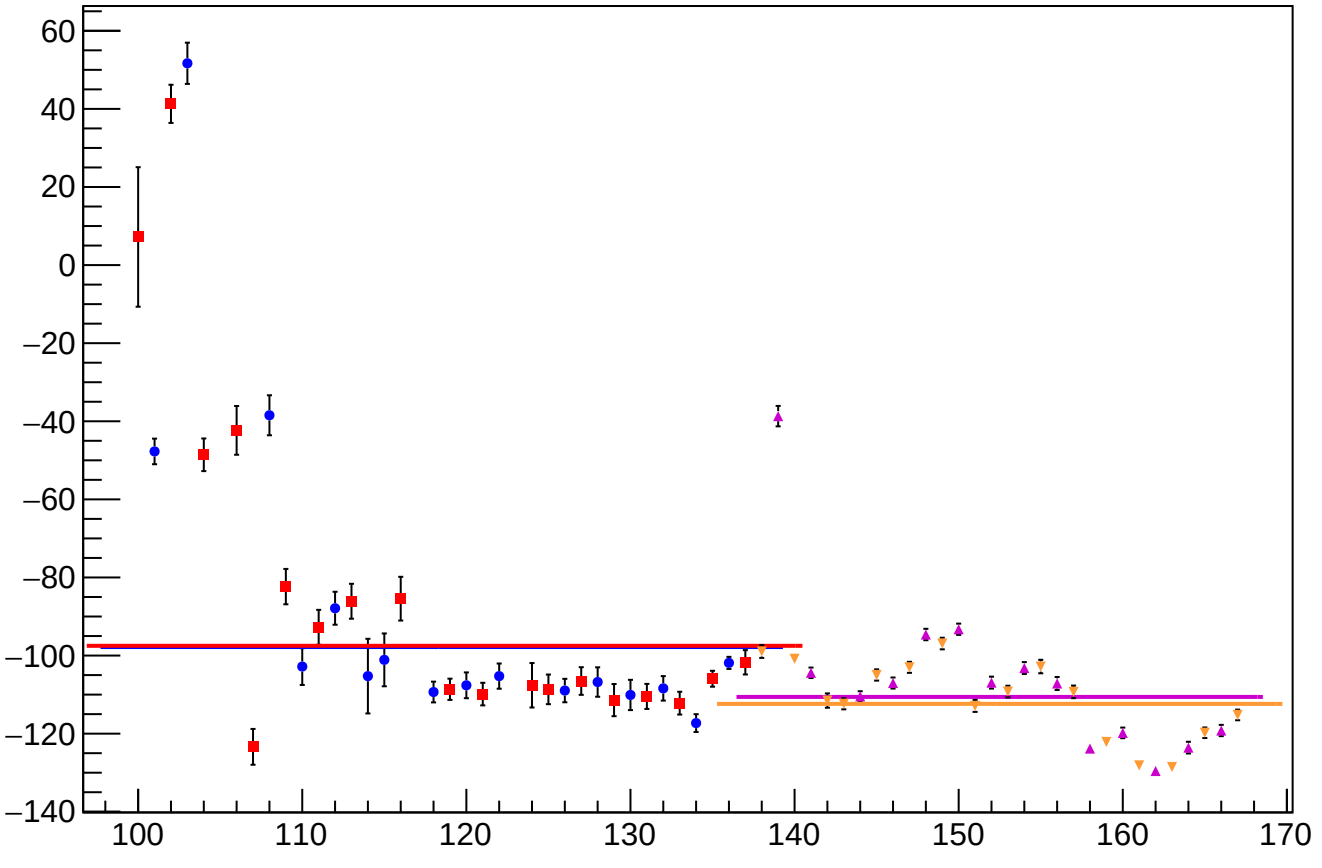
Left: -101.757+/-0.312 χ^2/NDF: 576.6/29

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -107.837+/-0.388 χ^2/NDF:1128.2/29

Out: -105.823+/-0.378 χ^2/NDF:1160.1/34

All: -106.803+/-0.271 χ^2/NDF: 2302.1/64



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -112.371+/-0.357 χ^2/NDF:791.5/15

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -110.591+/-0.382 χ^2/NDF:1610.3/13

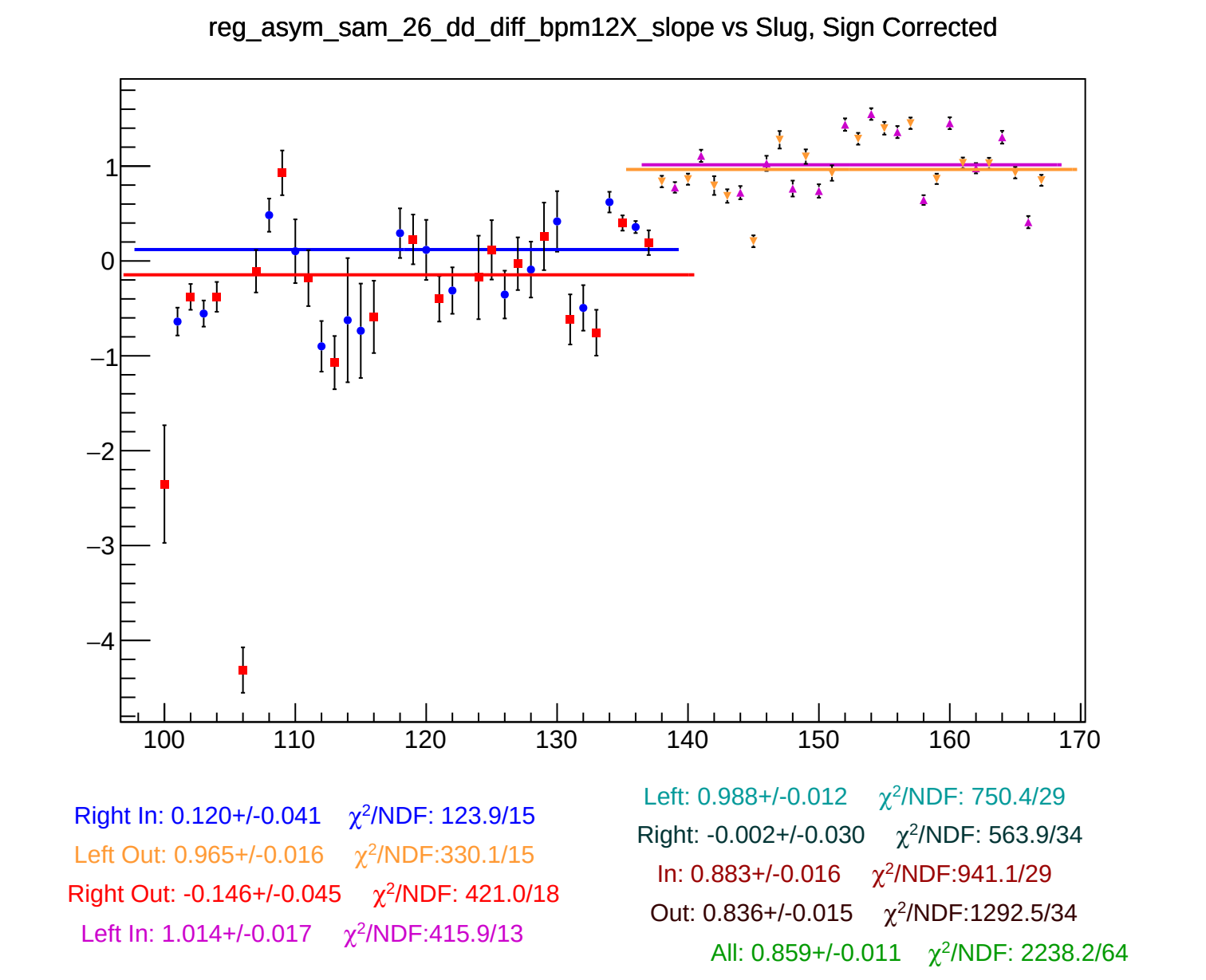
Left: -111.541+/-0.261 χ^2/NDF: 2413.4/29

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

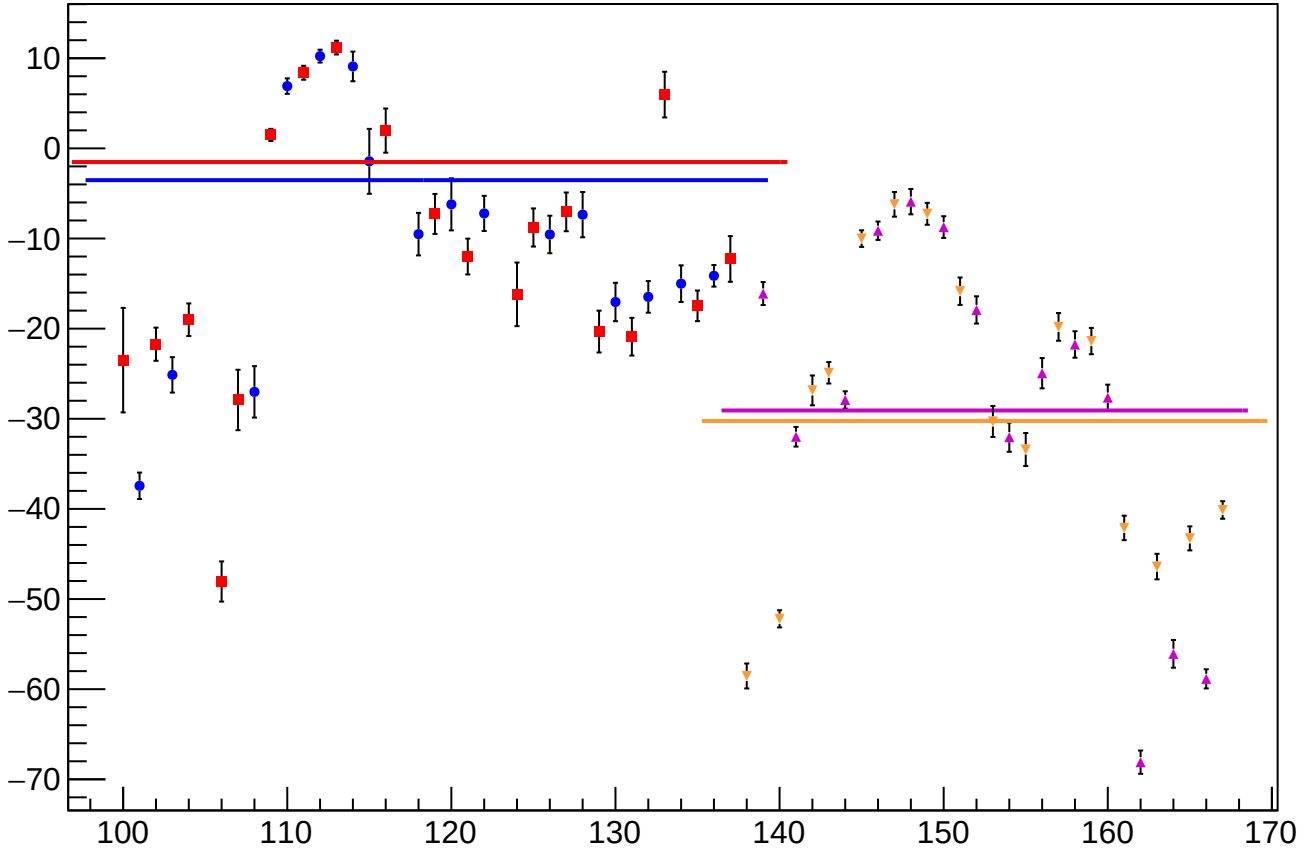
In: -108.184+/-0.344 χ^2/NDF:3151.8/29

Out: -110.105+/-0.329 χ^2/NDF:2291.8/34

All: -109.188+/-0.238 χ^2/NDF: 5459.9/64


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: 0.120+/-0.041 χ²/NDF: 123.9/15
Left Out: 0.965+/-0.016 χ²/NDF:330.1/15
Right Out: -0.146+/-0.045 χ²/NDF: 421.0/18
Left In: 1.014+/-0.017 χ²/NDF:415.9/13
Left: 0.988+/-0.012 χ²/NDF: 750.4/29
Right: -0.002+/-0.030 χ²/NDF: 563.9/34
In: 0.883+/-0.016 χ²/NDF:941.1/29
Out: 0.836+/-0.015 χ²/NDF:1292.5/34
All: 0.859+/-0.011 χ²/NDF: 2238.2/64

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -30.244+/-0.321 χ^2/NDF:2701.3/15

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -29.079+/-0.339 χ^2/NDF:3144.8/13

Left: -29.693+/-0.233 χ^2/NDF: 5852.4/29

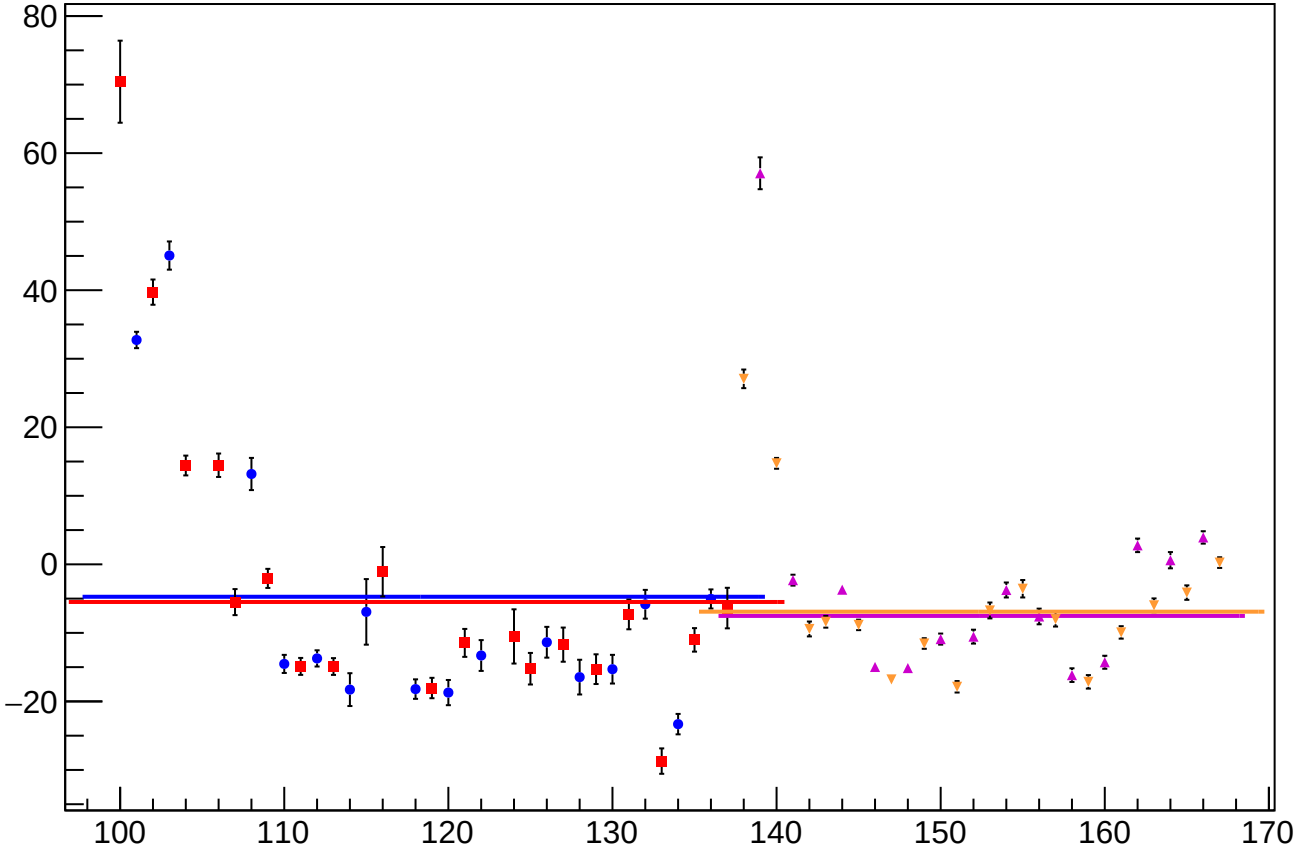
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -17.659+/-0.252 χ^2/NDF:7217.7/29

Out: -16.636+/-0.233 χ^2/NDF:8019.2/34

All: -17.108+/-0.171 χ^2/NDF: 15245.8/64

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -6.907+/-0.226 χ^2/NDF:2059.6/15

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -7.524+/-0.237 χ^2/NDF:1600.4/13

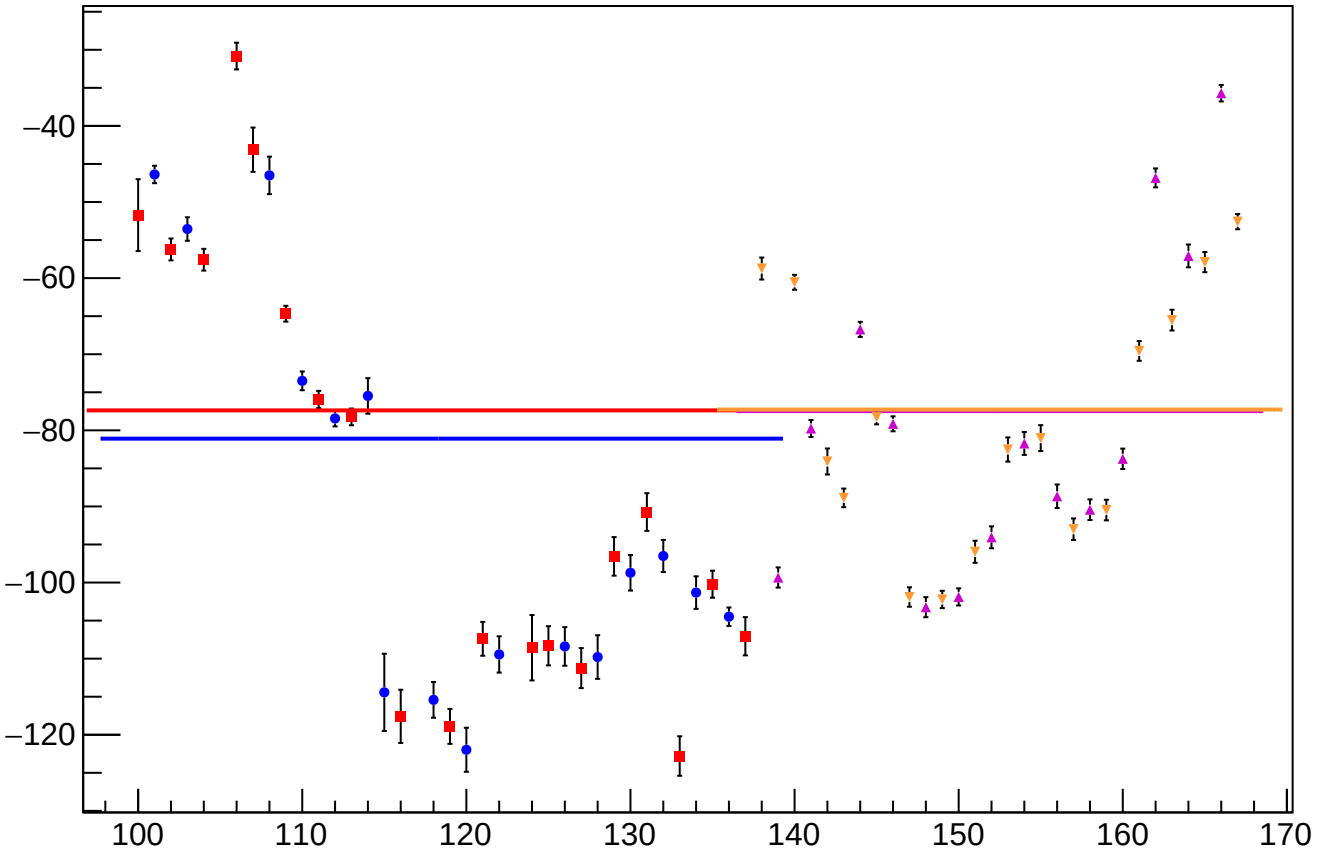
Left: -7.201+/-0.163 χ^2/NDF: 3663.6/29

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -6.875+/-0.208 χ^2/NDF:3780.7/29

Out: -6.592+/-0.199 χ^2/NDF:3576.9/34

All: -6.728+/-0.144 χ^2/NDF: 7358.6/64



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -77.272+/-0.316 χ^2/NDF:2752.5/15

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -77.475+/-0.330 χ^2/NDF:3832.2/13

Left: -77.369+/-0.228 χ^2/NDF: 6585.0/29

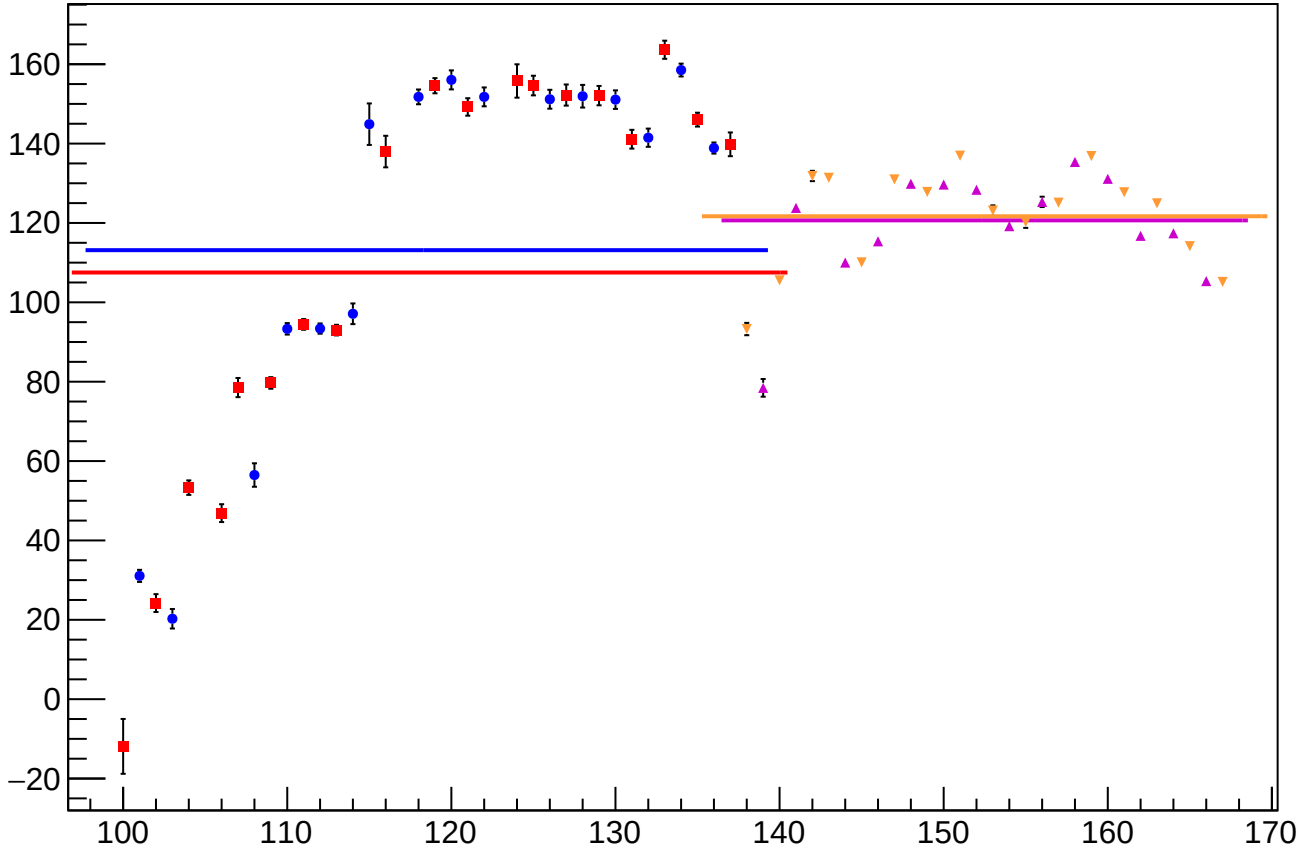
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -78.784+/-0.264 χ^2/NDF:6746.0/29

Out: -77.311+/-0.252 χ^2/NDF:5882.2/34

All: -78.013+/-0.182 χ^2/NDF: 12644.5/64

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 121.686+/-0.262 χ^2/NDF:2011.8/15

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 120.657+/-0.275 χ^2/NDF:1399.3/13

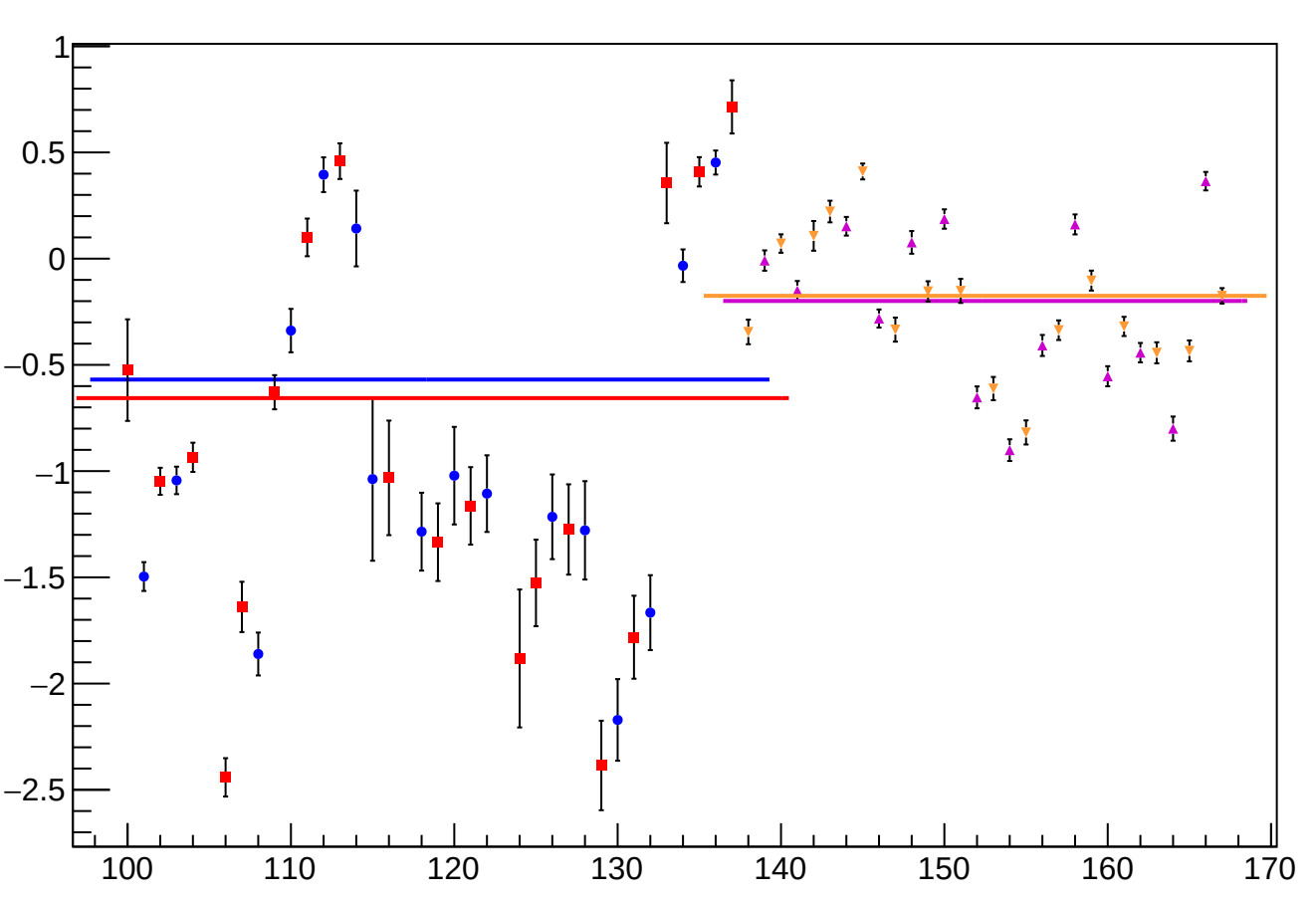
Left: 121.196+/-0.190 χ^2/NDF: 3418.5/29

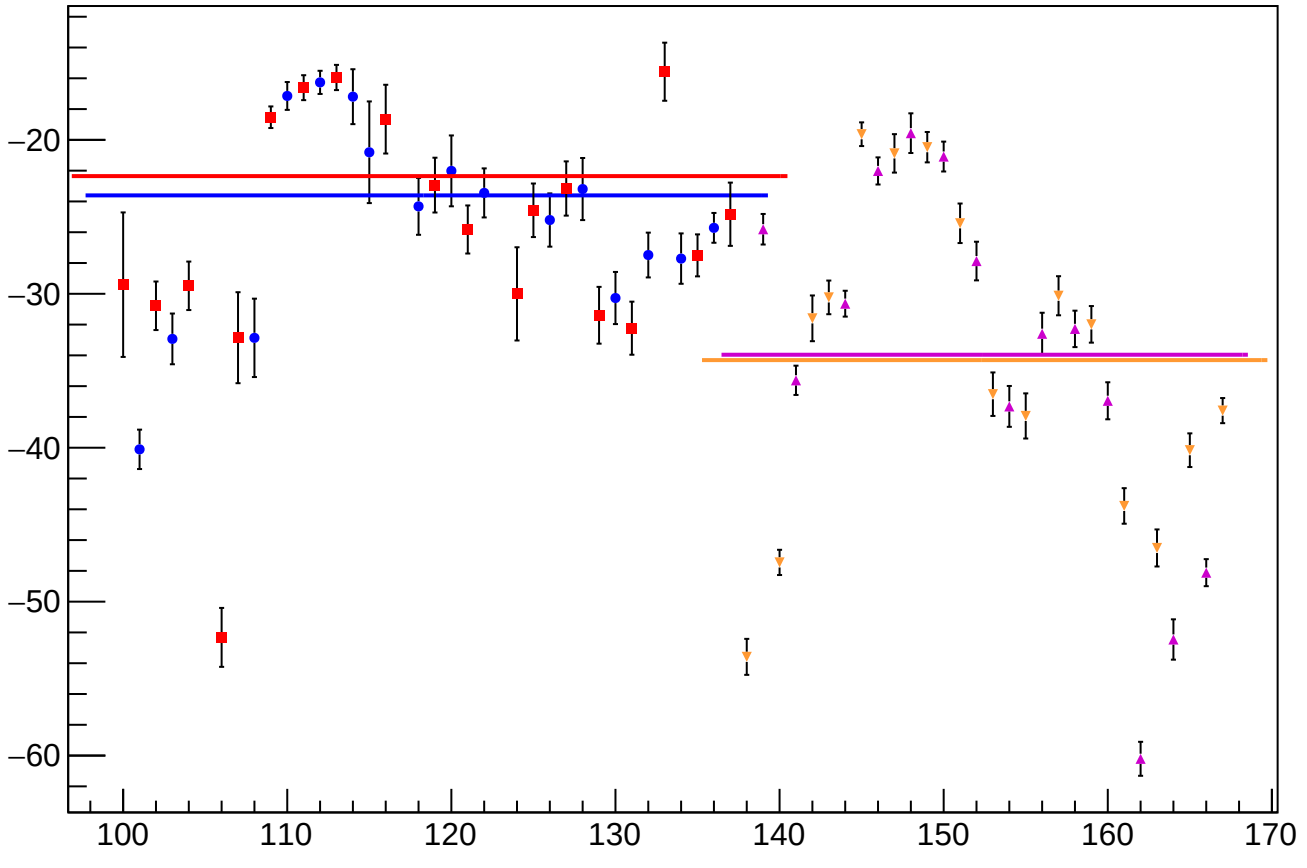
Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 118.849+/-0.240 χ^2/NDF:9782.7/29

Out: 118.420+/-0.230 χ^2/NDF:10228.3/34

All: 118.625+/-0.166 χ^2/NDF: 20012.7/64


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
Right In: -0.569+/-0.026 χ²/NDF: 1097.4/15
Left Out: -0.175+/-0.012 χ²/NDF:644.8/15
Right Out: -0.656+/-0.025 χ²/NDF: 1315.2/18
Left In: -0.199+/-0.013 χ²/NDF:890.3/13
Left: -0.187+/-0.009 χ²/NDF: 1537.1/29
Right: -0.614+/-0.018 χ²/NDF: 2418.5/34
In: -0.271+/-0.011 χ²/NDF:2153.4/29
Out: -0.265+/-0.011 χ²/NDF:2256.4/34
All: -0.268+/-0.008 χ²/NDF: 4409.9/64



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -34.308+/-0.272 χ^2/NDF:1507.6/15

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -33.959+/-0.285 χ^2/NDF:1634.0/13

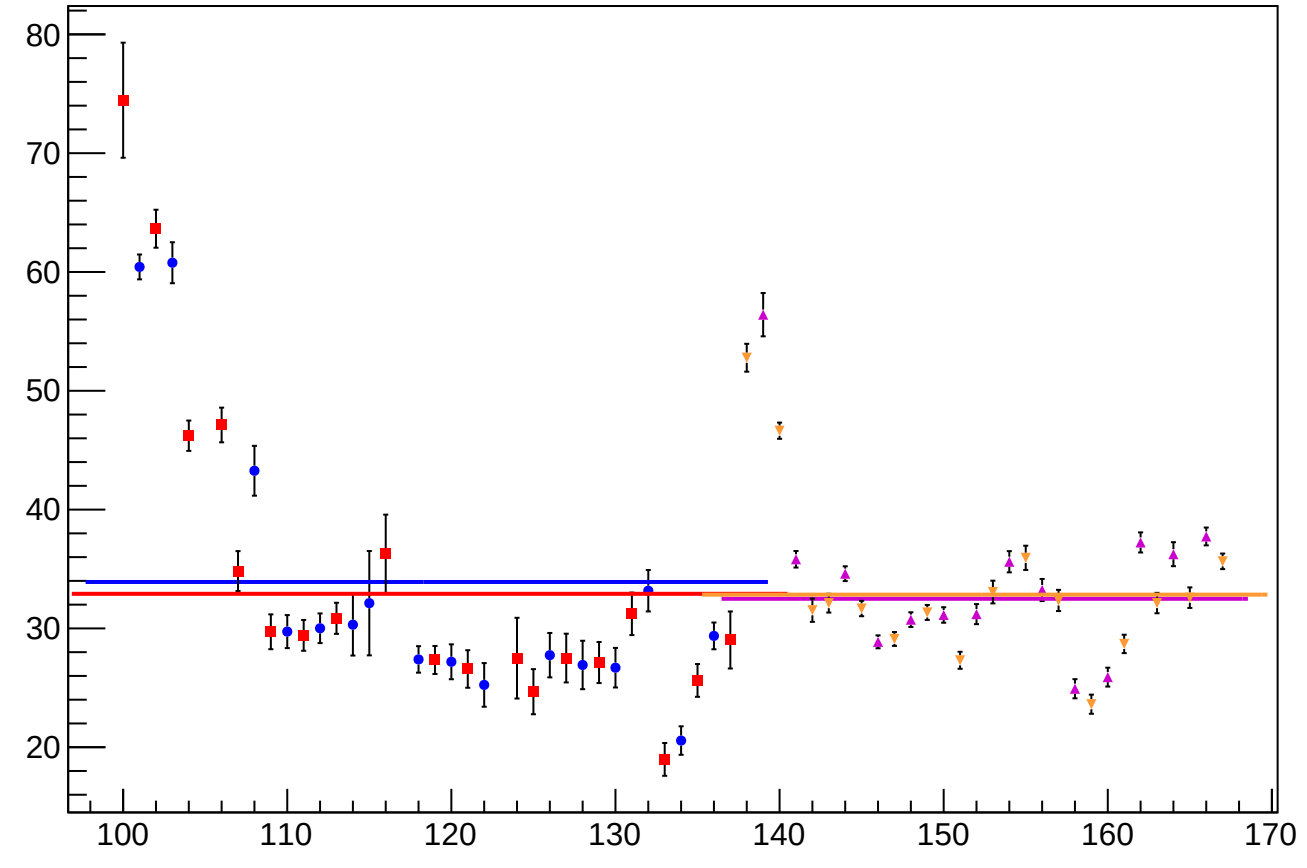
Left: -34.142+/-0.197 χ^2/NDF: 3142.4/29

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -29.811+/-0.220 χ^2/NDF:2569.8/29

Out: -29.331+/-0.208 χ^2/NDF:2865.0/34

All: -29.557+/-0.151 χ^2/NDF: 5437.3/64



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.843+/-0.193 χ^2/NDF:998.5/15

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.493+/-0.203 χ^2/NDF:529.7/13

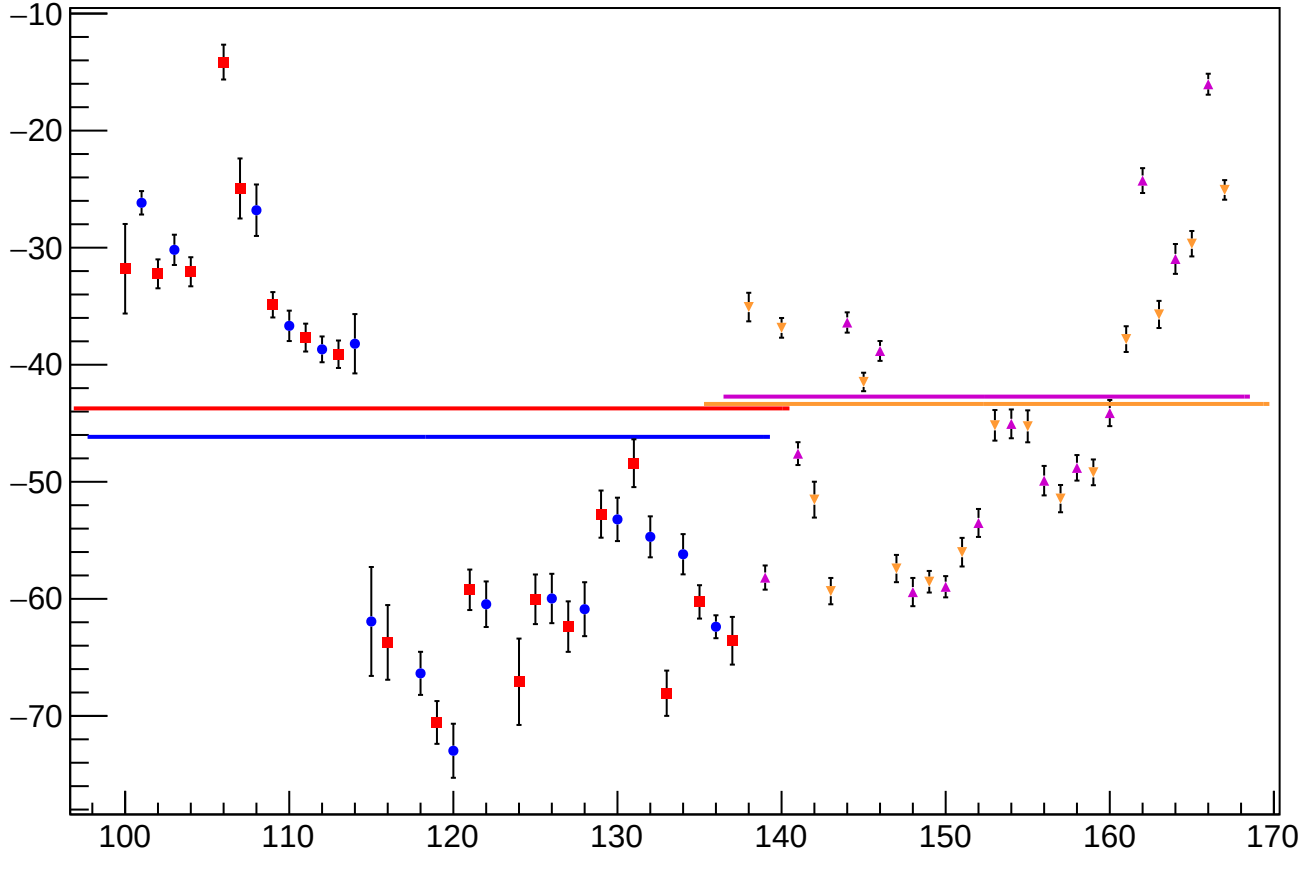
Left: 32.676+/-0.140 χ^2/NDF: 1529.7/29

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.813+/-0.178 χ^2/NDF:1725.1/29

Out: 32.857+/-0.171 χ^2/NDF:1873.5/34

All: 32.836+/-0.124 χ^2/NDF: 3598.7/64



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -43.349+/-0.267 χ^2/NDF:1651.4/15

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -42.723+/-0.277 χ^2/NDF:2260.3/13

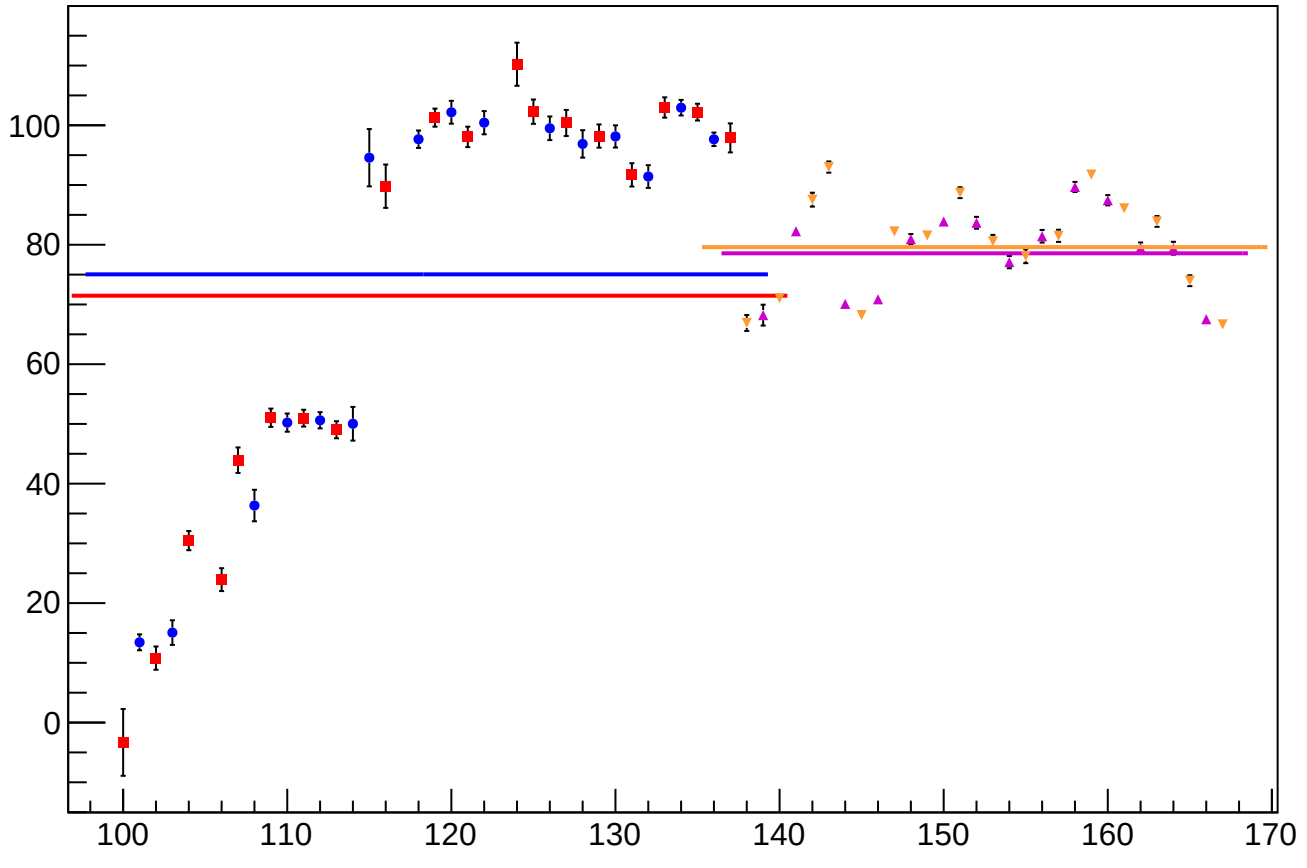
Left: -43.048+/-0.192 χ^2/NDF: 3914.3/29

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -43.879+/-0.226 χ^2/NDF:3801.6/29

Out: -43.476+/-0.218 χ^2/NDF:3315.4/34

All: -43.670+/-0.157 χ^2/NDF: 7118.6/64



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.599+/-0.223 χ^2/NDF:1472.0/15

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 78.564+/-0.234 χ^2/NDF:886.2/13

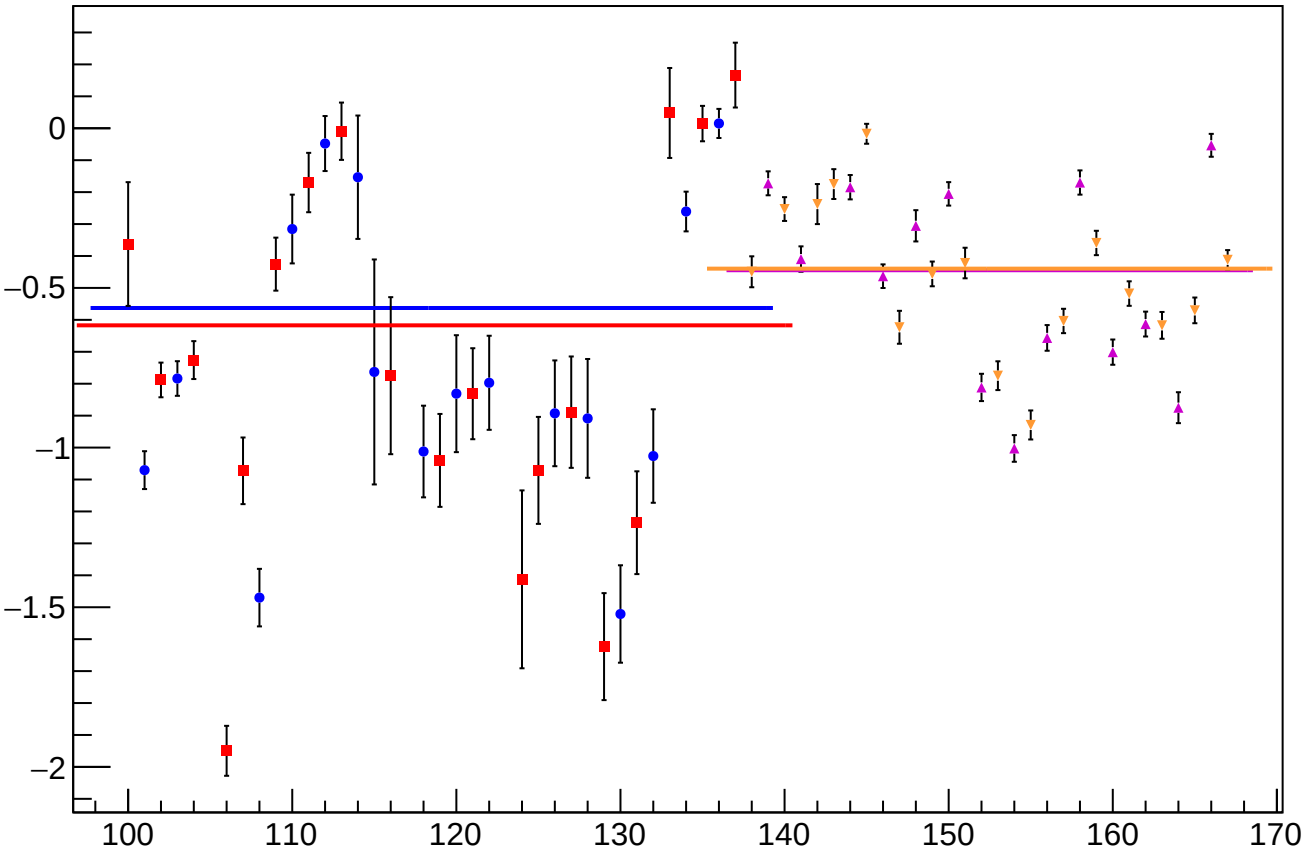
Left: 79.105+/-0.161 χ^2/NDF: 2368.4/29

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

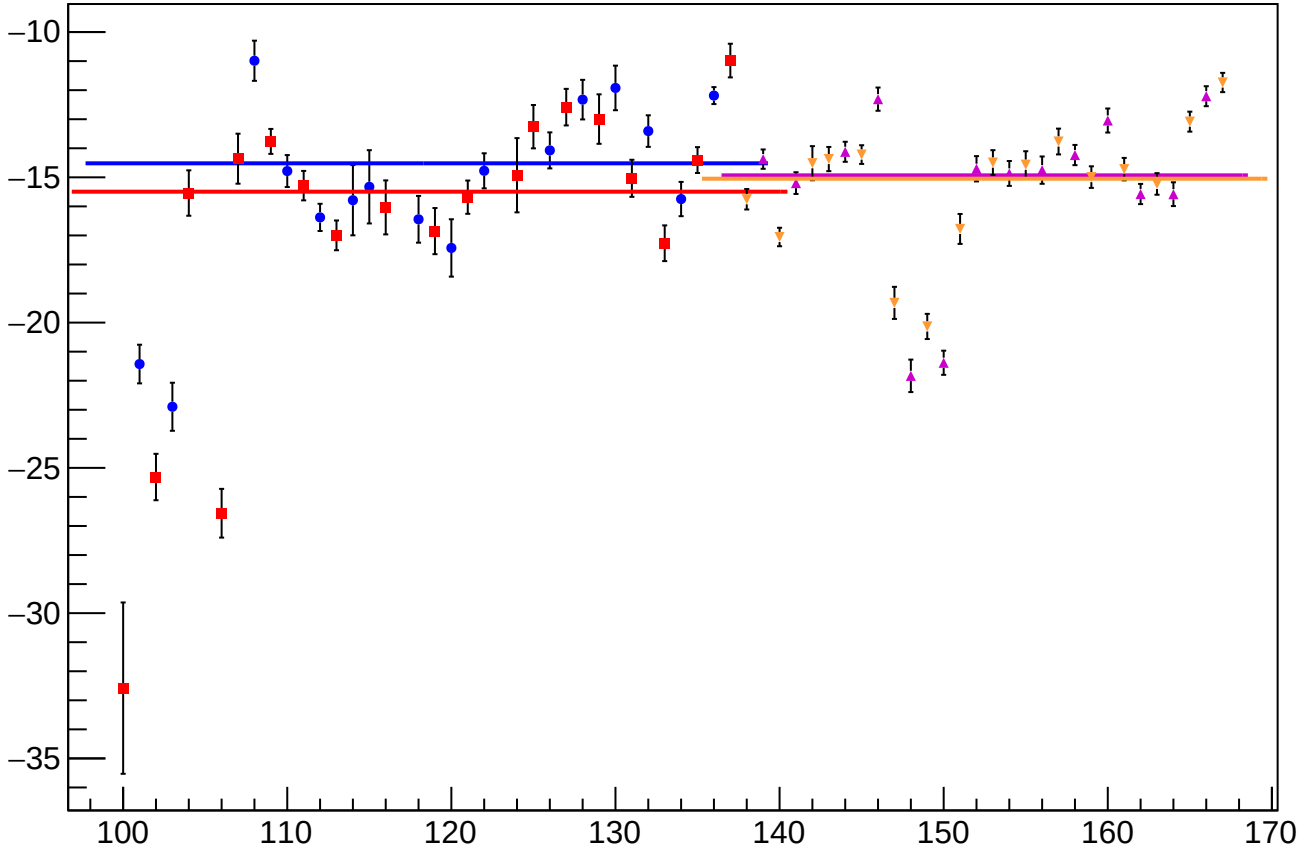
In: 77.754+/-0.205 χ^2/NDF:6766.7/29

Out: 77.849+/-0.197 χ^2/NDF:7386.5/34

All: 77.803+/-0.142 χ^2/NDF: 14153.3/64


reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -0.563+/-0.022 χ²/NDF: 493.0/15
Left Out: -0.440+/-0.010 χ²/NDF:491.6/15
Right Out: -0.617+/-0.022 χ²/NDF: 690.0/18
Left In: -0.445+/-0.011 χ²/NDF:742.0/13
Left: -0.442+/-0.007 χ²/NDF: 1233.7/29
Right: -0.590+/-0.016 χ²/NDF: 1186.0/34
In: -0.467+/-0.010 χ²/NDF:1258.0/29
Out: -0.470+/-0.009 χ²/NDF:1234.5/34
All: -0.469+/-0.007 χ²/NDF: 2492.7/64

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.047+/-0.099 χ^2/NDF:407.3/15

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.932+/-0.104 χ^2/NDF:538.9/13

Left: -14.992+/-0.072 χ^2/NDF: 946.8/29

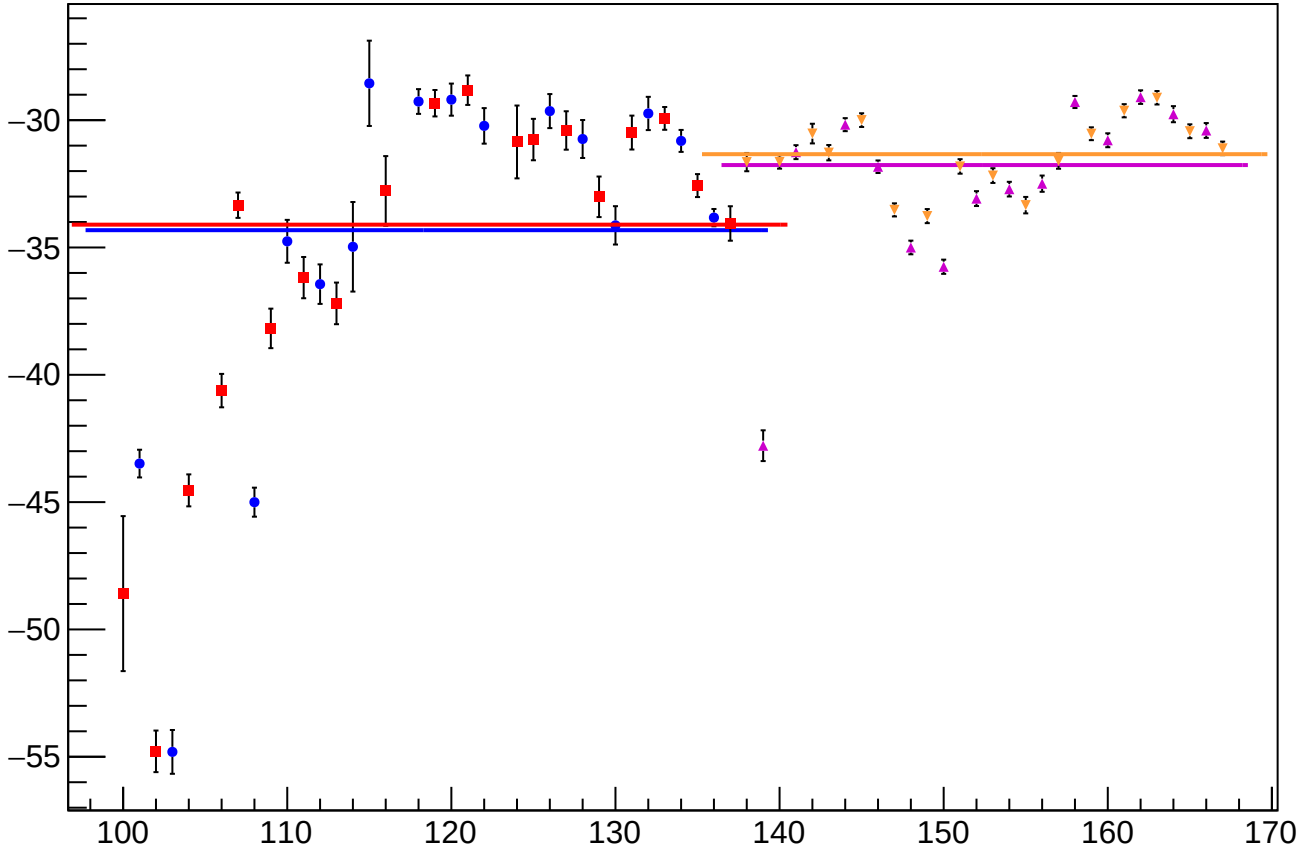
Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.796+/-0.086 χ^2/NDF:907.4/29

Out: -15.182+/-0.082 χ^2/NDF:917.3/34

All: -14.996+/-0.059 χ^2/NDF: 1835.3/64

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.336+/-0.071 χ^2/NDF:366.0/15

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.763+/-0.076 χ^2/NDF:1043.0/13

Left: -31.536+/-0.052 χ^2/NDF: 1426.0/29

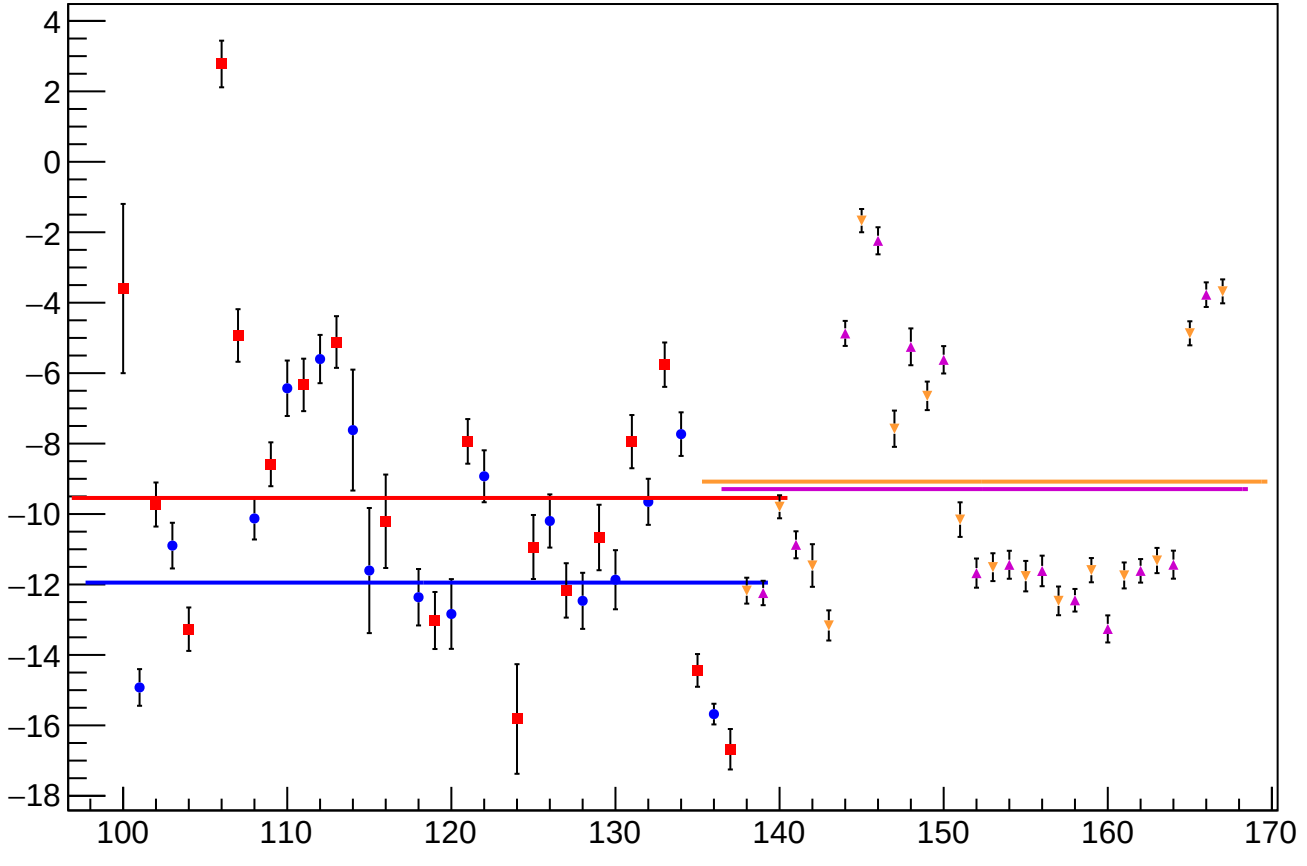
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.264+/-0.068 χ^2/NDF:2887.5/29

Out: -31.821+/-0.065 χ^2/NDF:2066.8/34

All: -32.031+/-0.047 χ^2/NDF: 4976.7/64

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -9.079+/-0.097 χ^2/NDF:1429.9/15

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.292+/-0.101 χ^2/NDF:1350.1/13

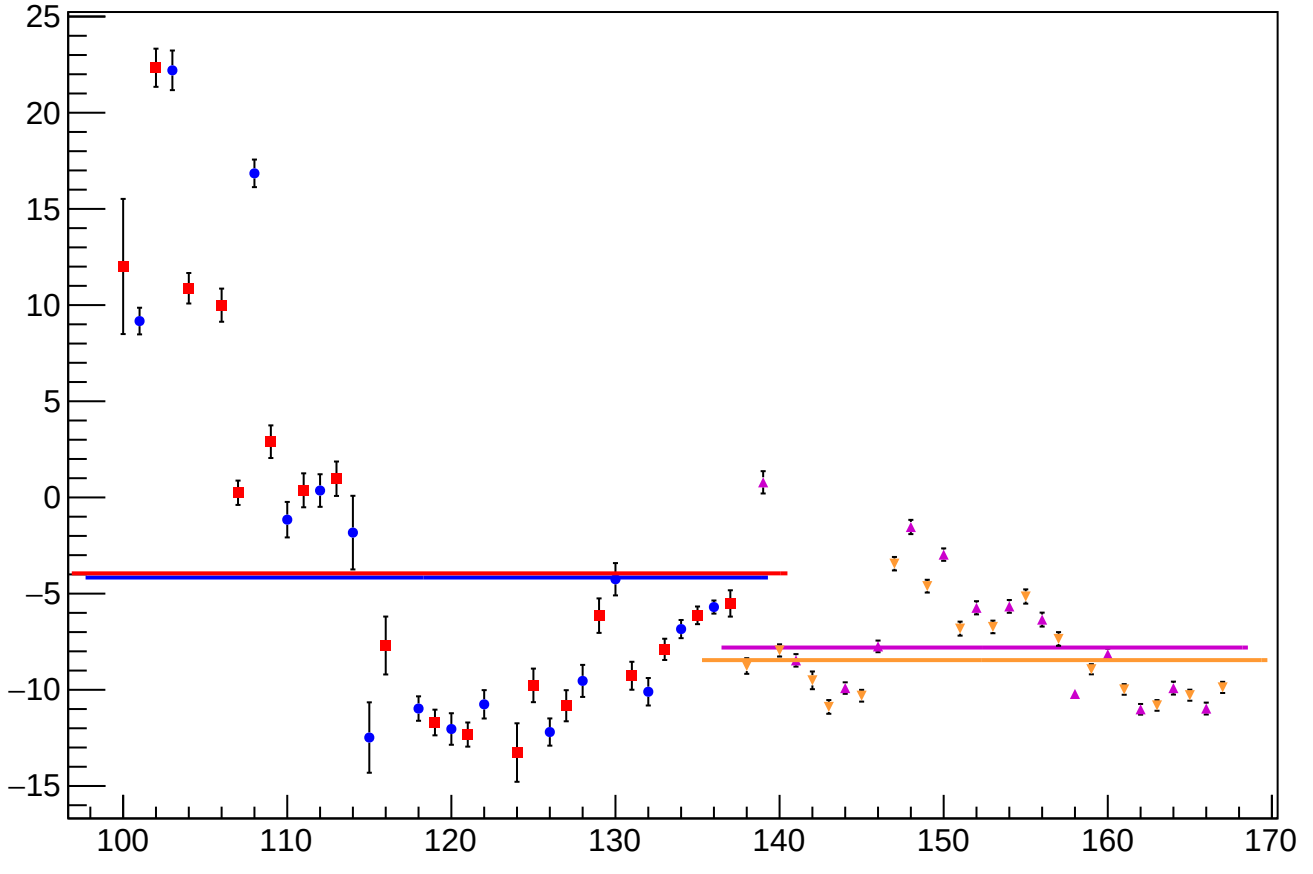
Left: -9.181+/-0.070 χ^2/NDF: 2782.3/29

Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.051+/-0.086 χ^2/NDF:1976.3/29

Out: -9.198+/-0.084 χ^2/NDF:2282.9/34

All: -9.614+/-0.060 χ^2/NDF: 4310.1/64



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.457+/-0.081 χ^2/NDF:736.1/15

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -7.803+/-0.086 χ^2/NDF:1249.5/13

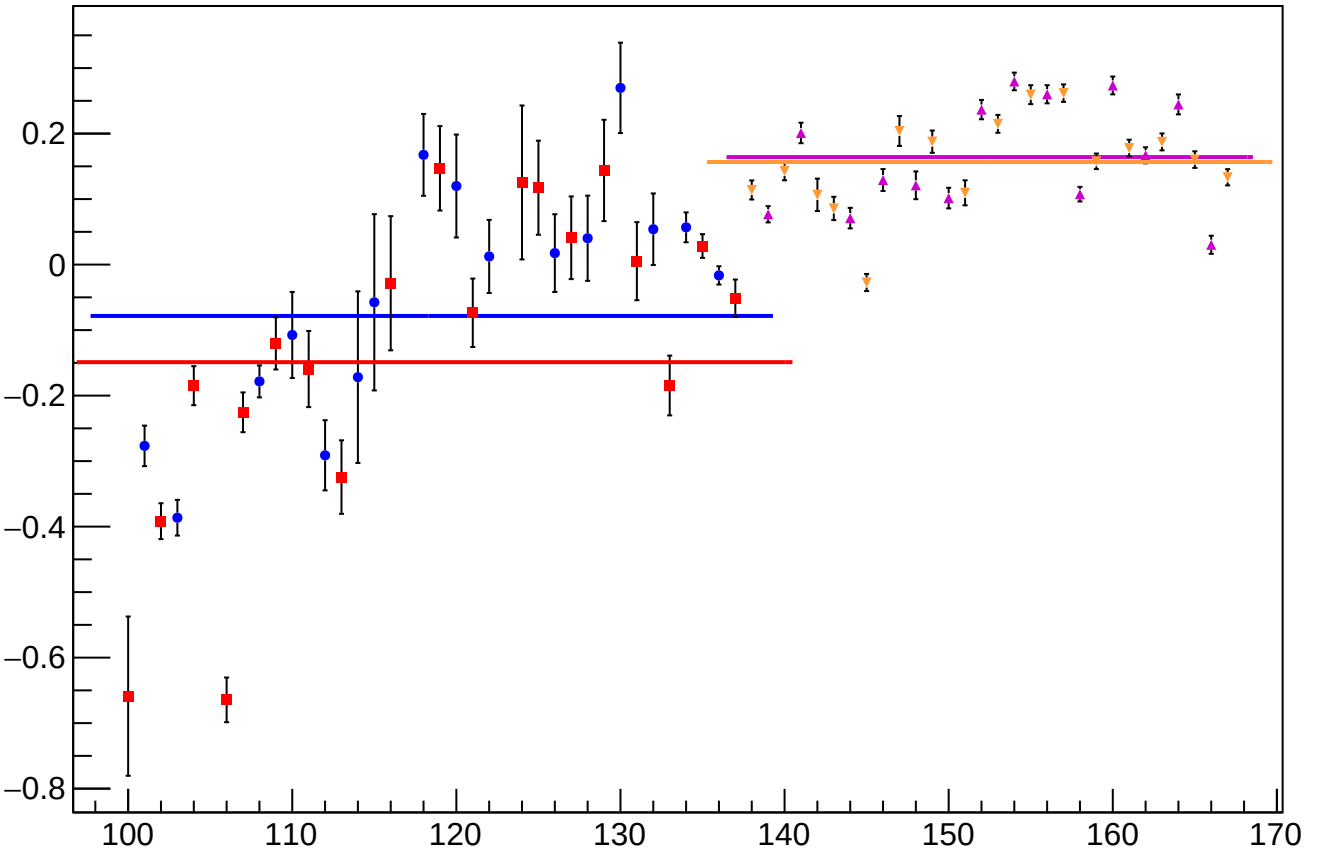
Left: -8.149+/-0.059 χ^2/NDF: 2016.5/29

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.078+/-0.077 χ^2/NDF:4133.5/29

Out: -7.670+/-0.074 χ^2/NDF:3388.3/34

All: -7.387+/-0.053 χ^2/NDF: 7552.8/64



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.157+/-0.004 χ^2/NDF:385.6/15

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.164+/-0.004 χ^2/NDF:472.2/13

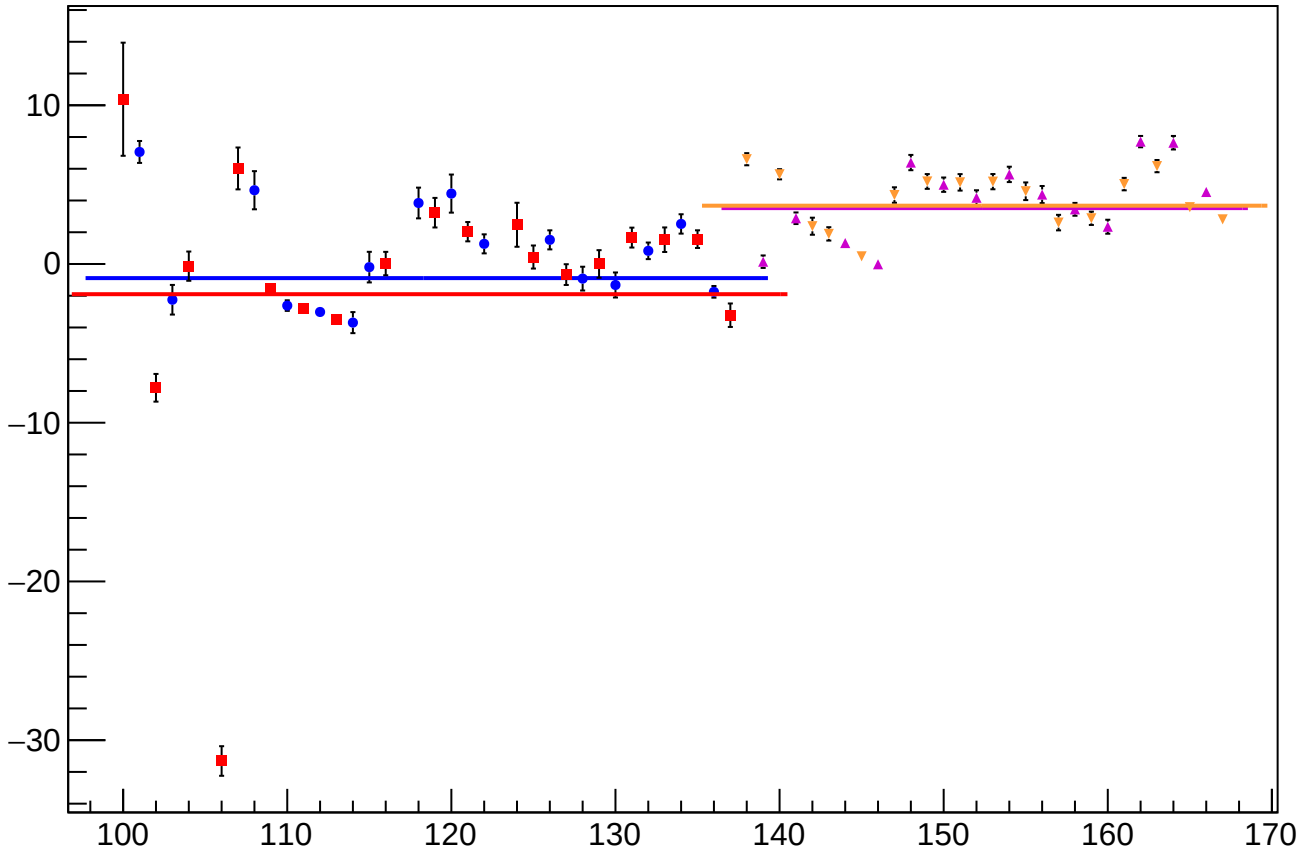
Left: 0.160+/-0.003 χ^2/NDF: 859.7/29

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.124+/-0.003 χ^2/NDF:1460.4/29

Out: 0.115+/-0.003 χ^2/NDF:1888.6/34

All: 0.119+/-0.002 χ^2/NDF: 3353.1/64



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.673+/-0.095 χ^2/NDF:395.6/15

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.520+/-0.102 χ^2/NDF:601.0/13

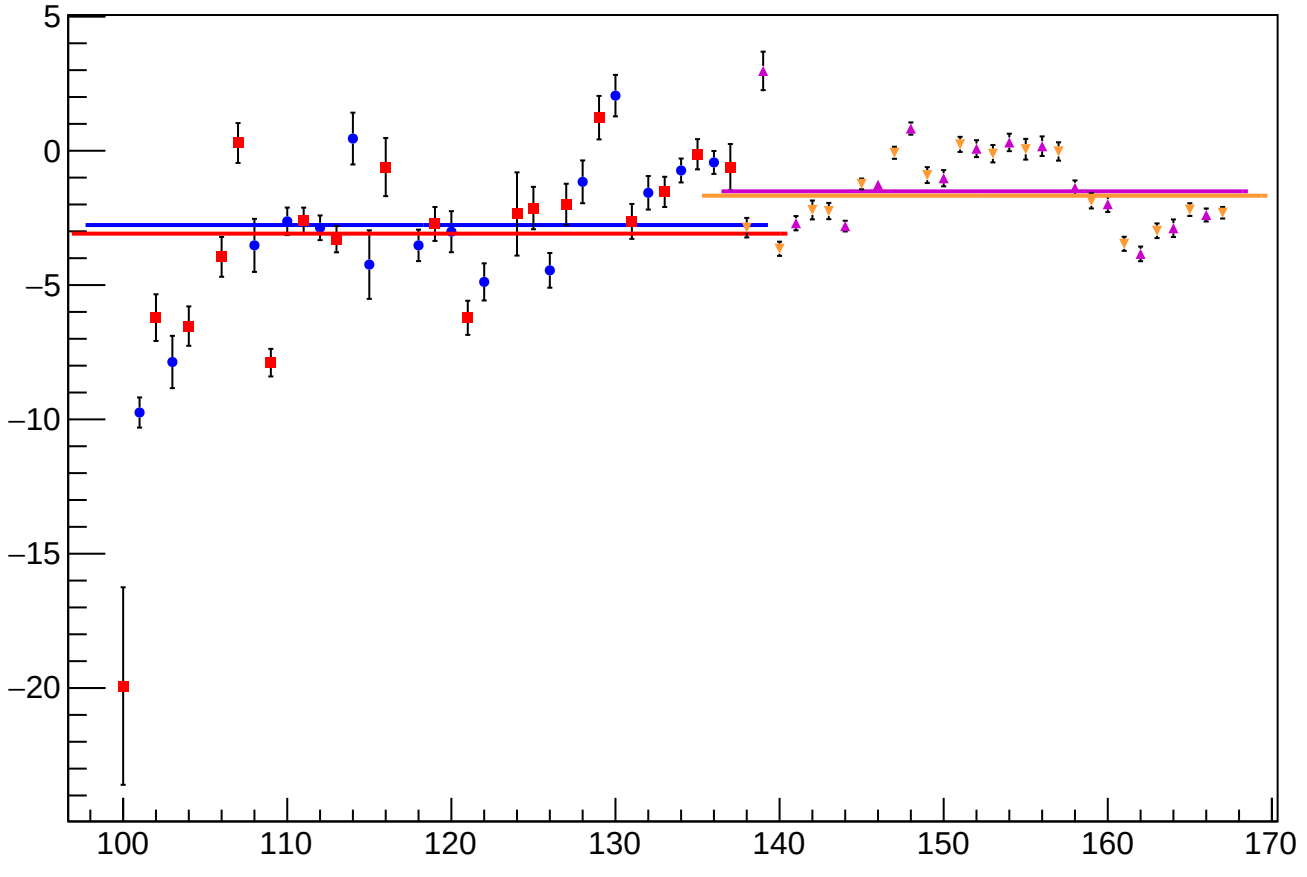
Left: 3.602+/-0.070 χ^2/NDF: 997.8/29

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.949+/-0.082 χ^2/NDF:1652.0/29

Out: 1.689+/-0.077 χ^2/NDF:2943.0/34

All: 1.811+/-0.056 χ^2/NDF: 4600.4/64



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.673+/-0.068 χ^2/NDF:330.6/15

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.511+/-0.072 χ^2/NDF:395.6/13

Left: -1.596+/-0.049 χ^2/NDF: 728.9/29

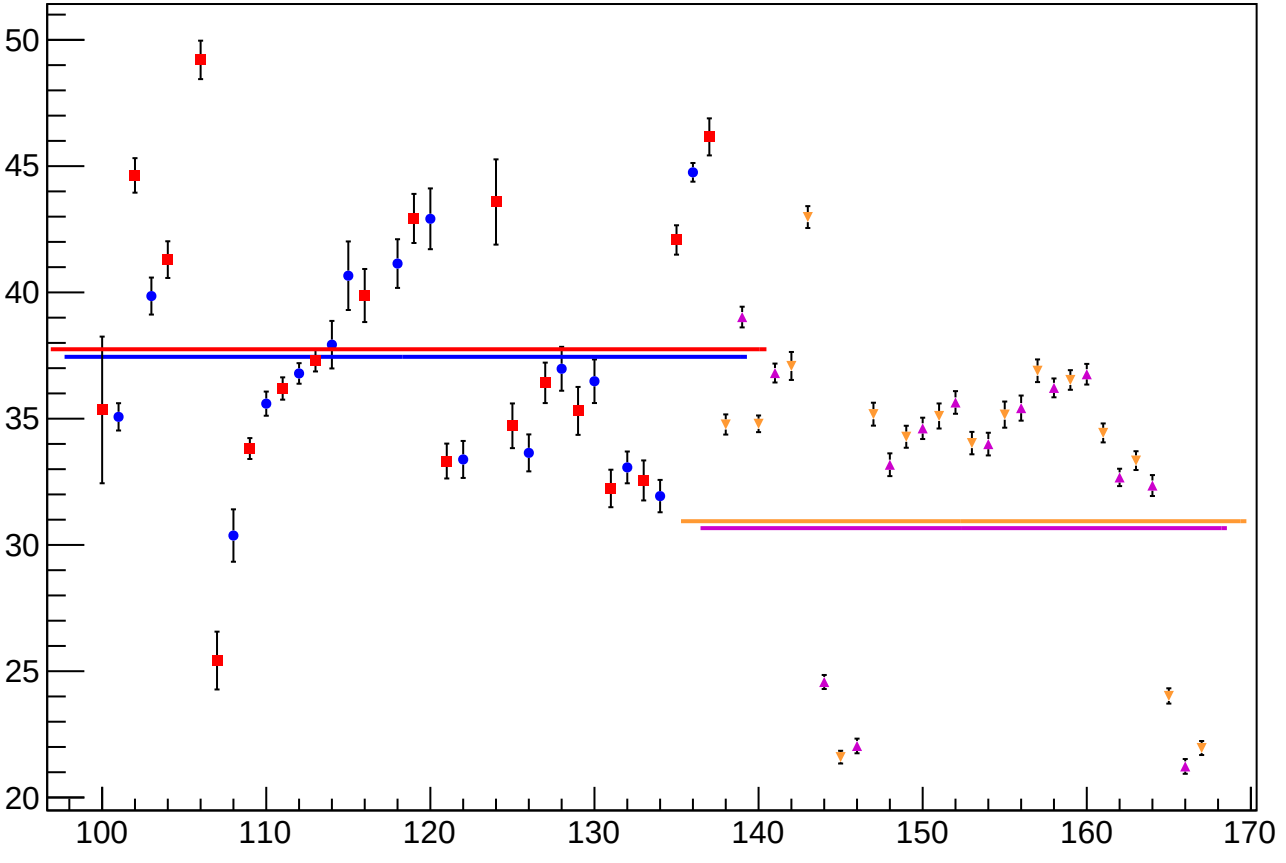
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.729+/-0.065 χ^2/NDF:759.0/29

Out: -1.897+/-0.063 χ^2/NDF:670.7/34

All: -1.816+/-0.045 χ^2/NDF: 1433.2/64

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 30.940+/-0.094 χ^2/NDF:4908.9/15

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 30.665+/-0.099 χ^2/NDF:3971.7/13

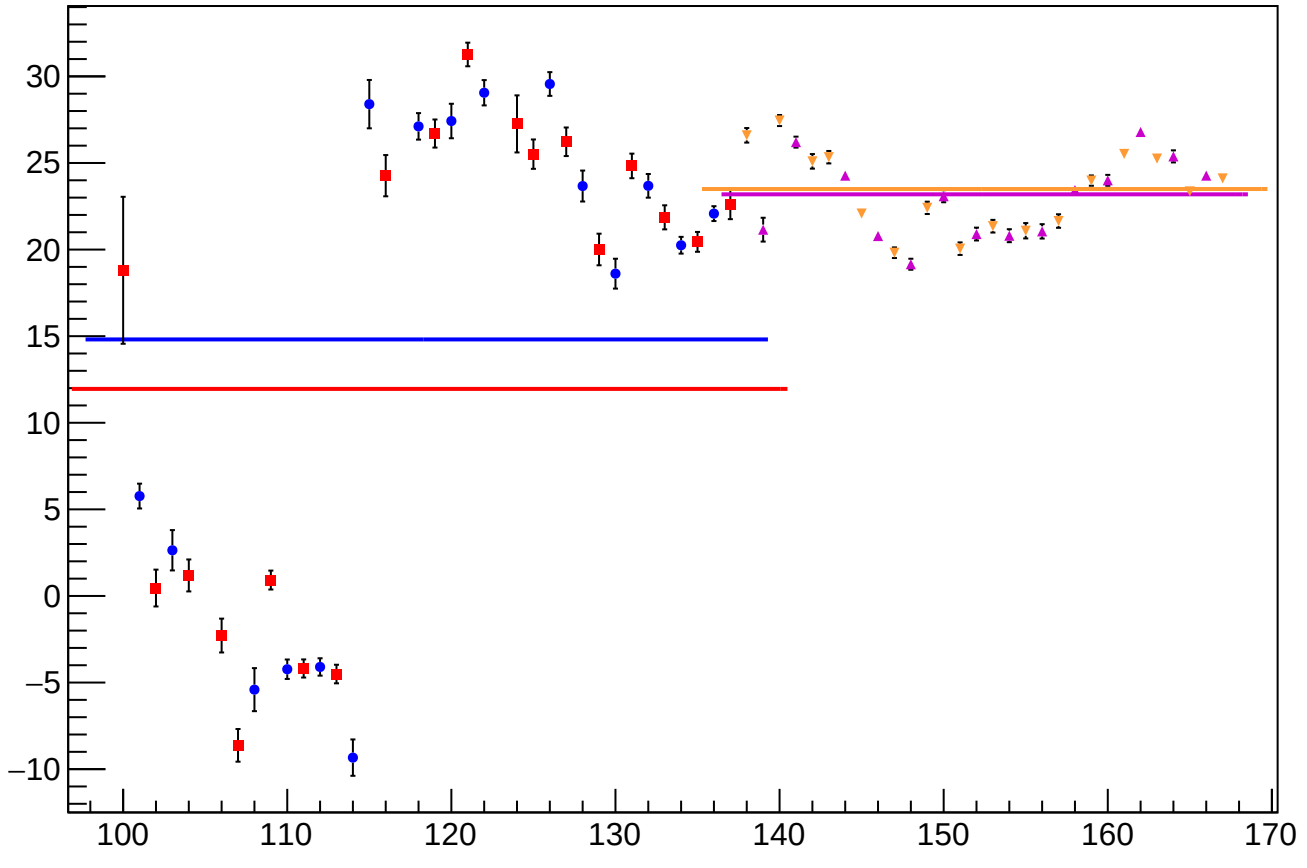
Left: 30.810+/-0.068 χ^2/NDF: 8884.6/29

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 32.538+/-0.084 χ^2/NDF:5968.3/29

Out: 32.704+/-0.081 χ^2/NDF:7224.2/34

All: 32.624+/-0.059 χ^2/NDF: 13194.6/64



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.497+/-0.078 χ^2/NDF:715.1/15

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.190+/-0.083 χ^2/NDF:730.4/13

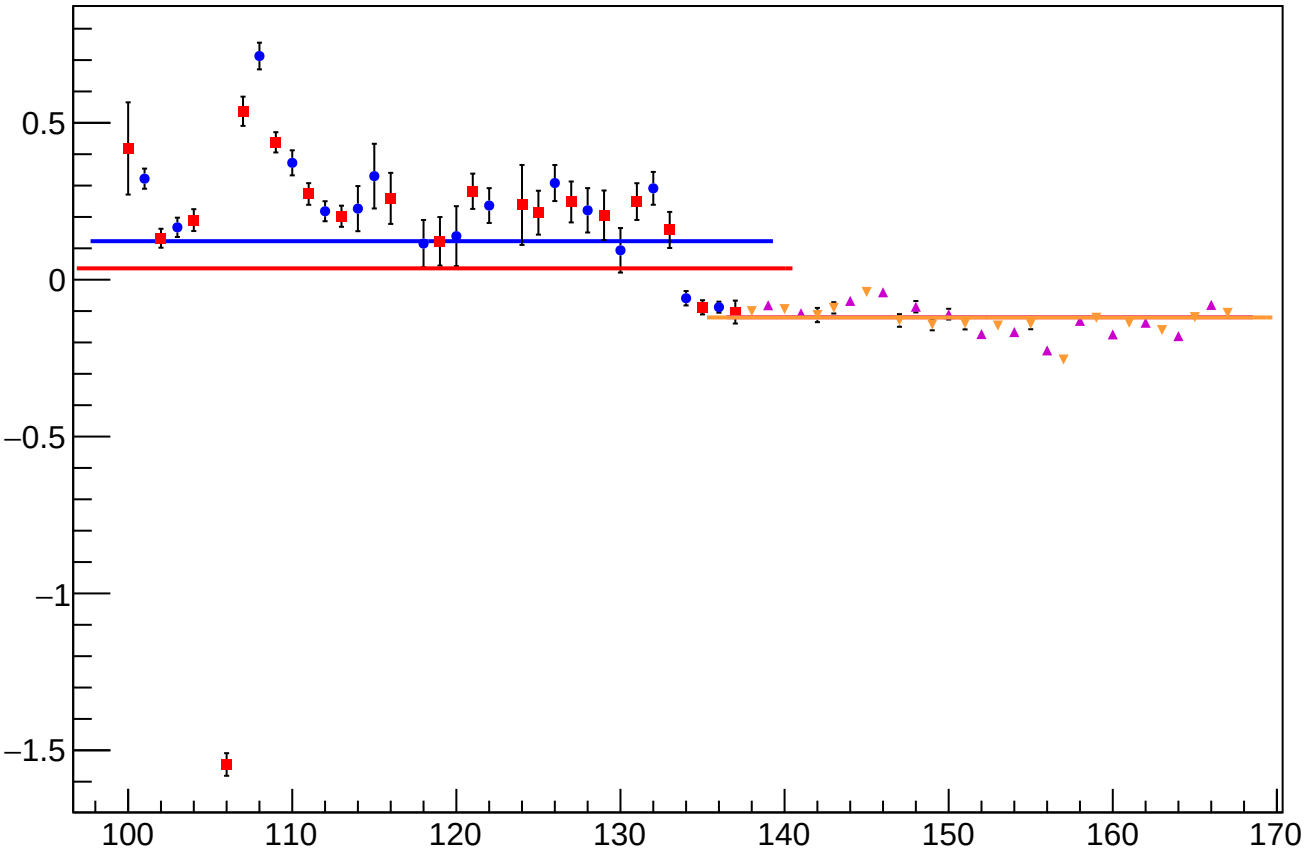
Left: 23.352+/-0.057 χ^2/NDF: 1452.8/29

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 21.649+/-0.075 χ^2/NDF:8311.3/29

Out: 21.605+/-0.072 χ^2/NDF:10382.8/34

All: 21.626+/-0.052 χ^2/NDF: 18694.3/64



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.120+/-0.004 χ^2/NDF:177.0/15

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.120+/-0.004 χ^2/NDF:177.7/13

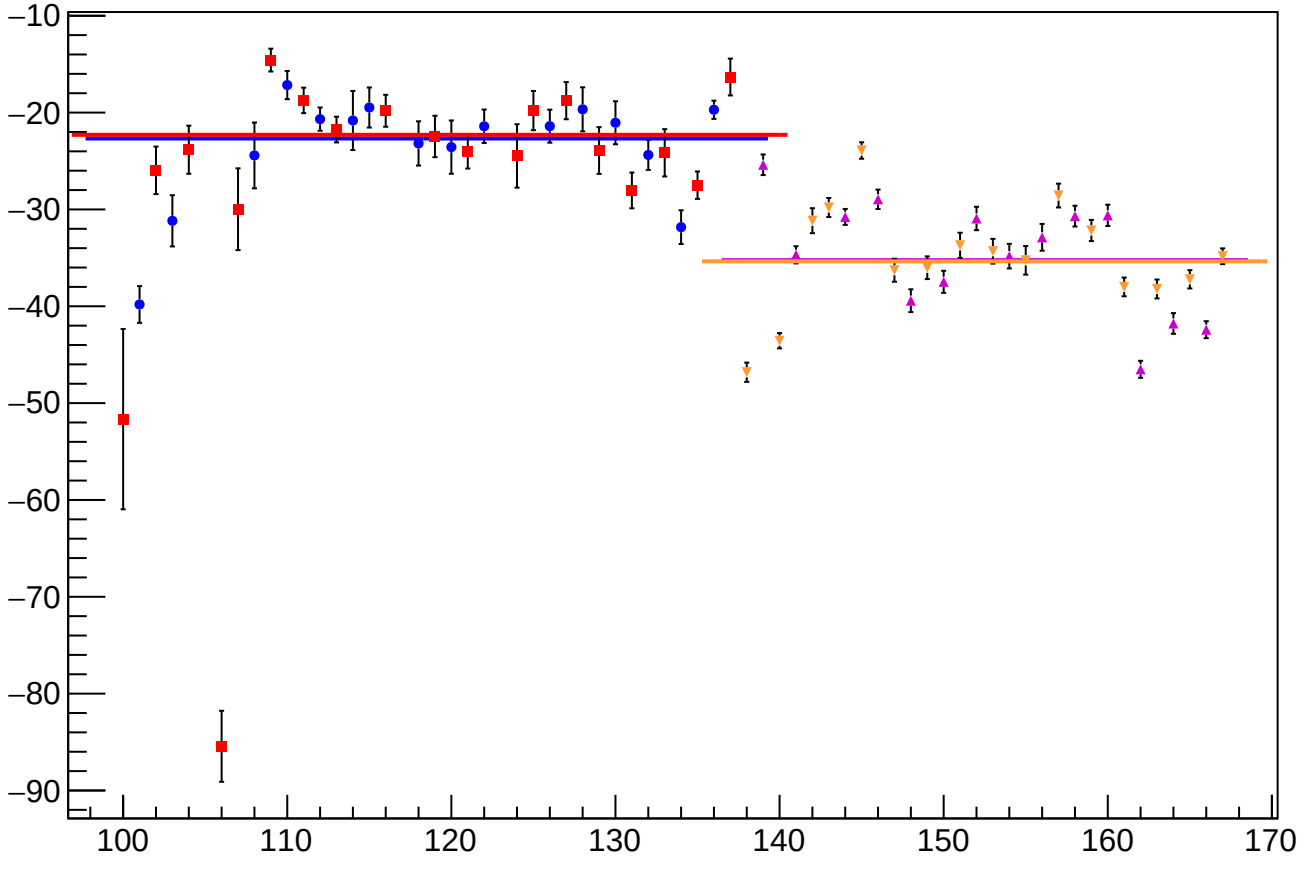
Left: -0.120+/-0.003 χ^2/NDF: 354.7/29

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.085+/-0.004 χ^2/NDF:1267.5/29

Out: -0.102+/-0.003 χ^2/NDF:2817.9/34

All: -0.094+/-0.002 χ^2/NDF: 4096.9/64



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.363+/-0.258 χ^2/NDF:527.7/15

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -35.235+/-0.276 χ^2/NDF:492.4/13

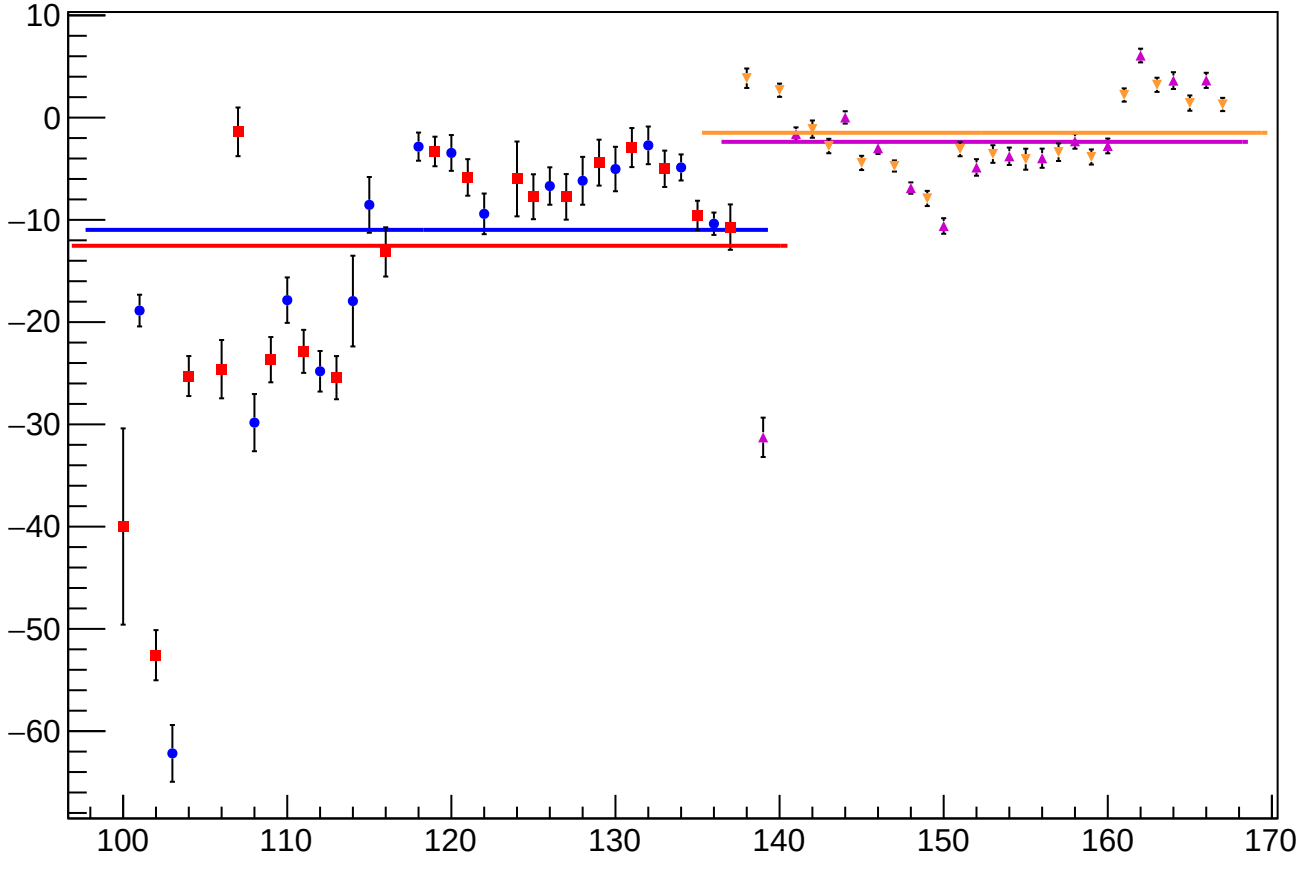
Left: -35.303+/-0.189 χ^2/NDF: 1020.3/29

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -31.626+/-0.233 χ^2/NDF:1242.3/29

Out: -31.960+/-0.222 χ^2/NDF:1600.2/34

All: -31.801+/-0.161 χ^2/NDF: 2843.5/64



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.483+/-0.182 χ^2/NDF:348.1/15

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.370+/-0.193 χ^2/NDF:719.2/13

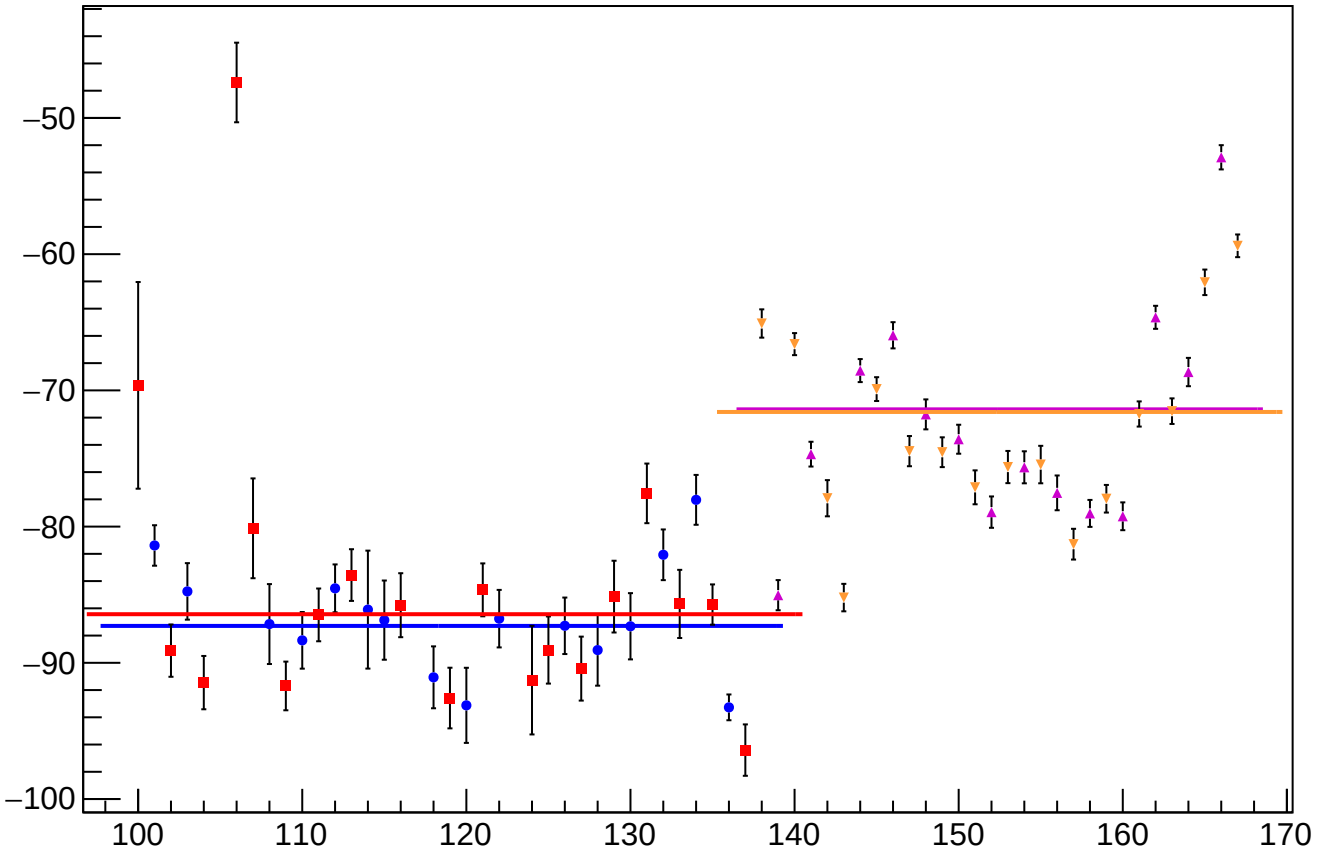
Left: -1.900+/-0.132 χ^2/NDF: 1078.5/29

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -3.690+/-0.178 χ^2/NDF:1611.7/29

Out: -2.864+/-0.170 χ^2/NDF:1382.0/34

All: -3.259+/-0.123 χ^2/NDF: 3005.0/64



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -71.584+/-0.254 χ^2/NDF:770.4/15

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -71.393+/-0.268 χ^2/NDF:913.2/13

Left: -71.494+/-0.185 χ^2/NDF: 1683.9/29

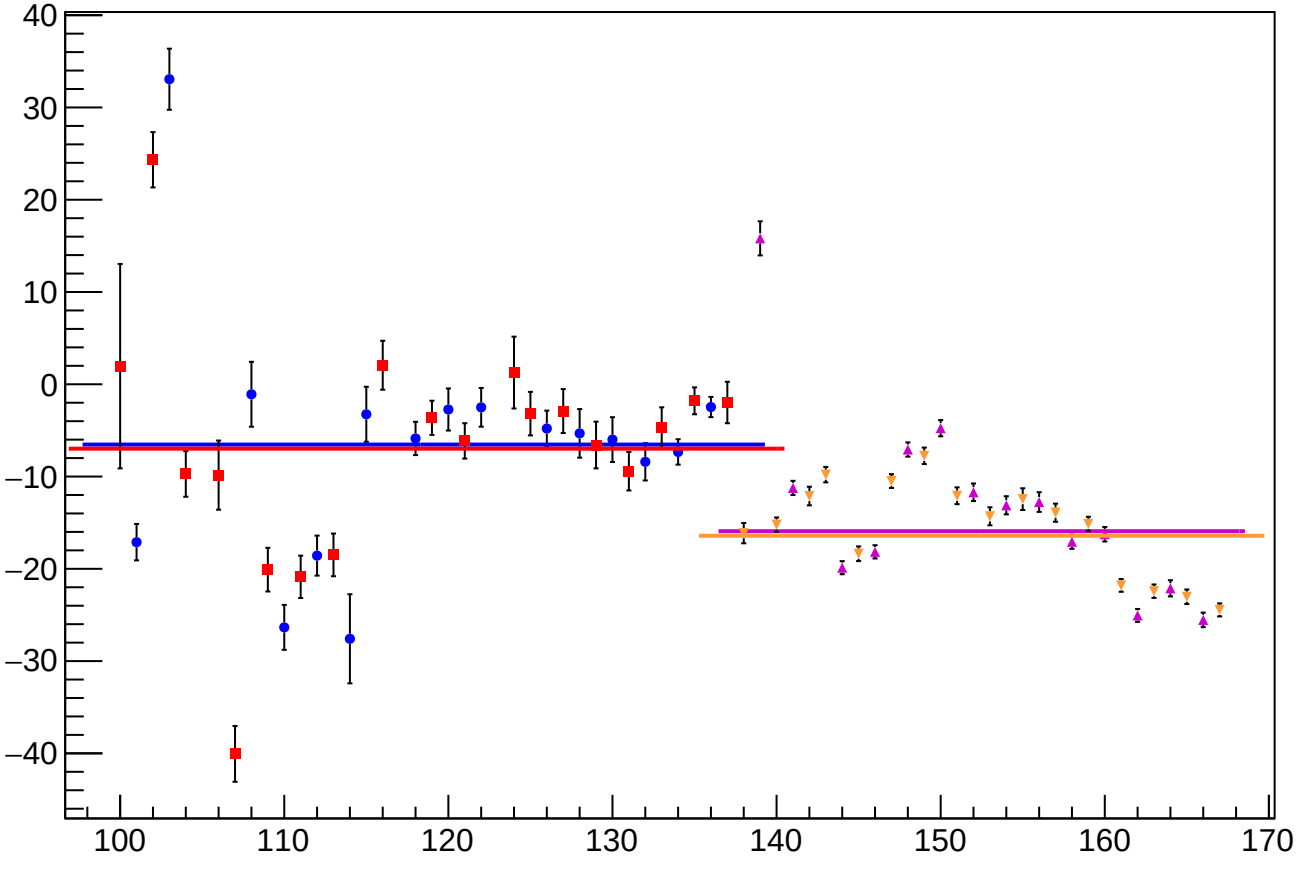
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -75.174+/-0.234 χ^2/NDF:1848.4/29

Out: -74.574+/-0.227 χ^2/NDF:1723.0/34

All: -74.864+/-0.163 χ^2/NDF: 3574.9/64

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -16.417+/-0.210 χ^2/NDF:620.6/15

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -15.924+/-0.223 χ^2/NDF:1072.3/13

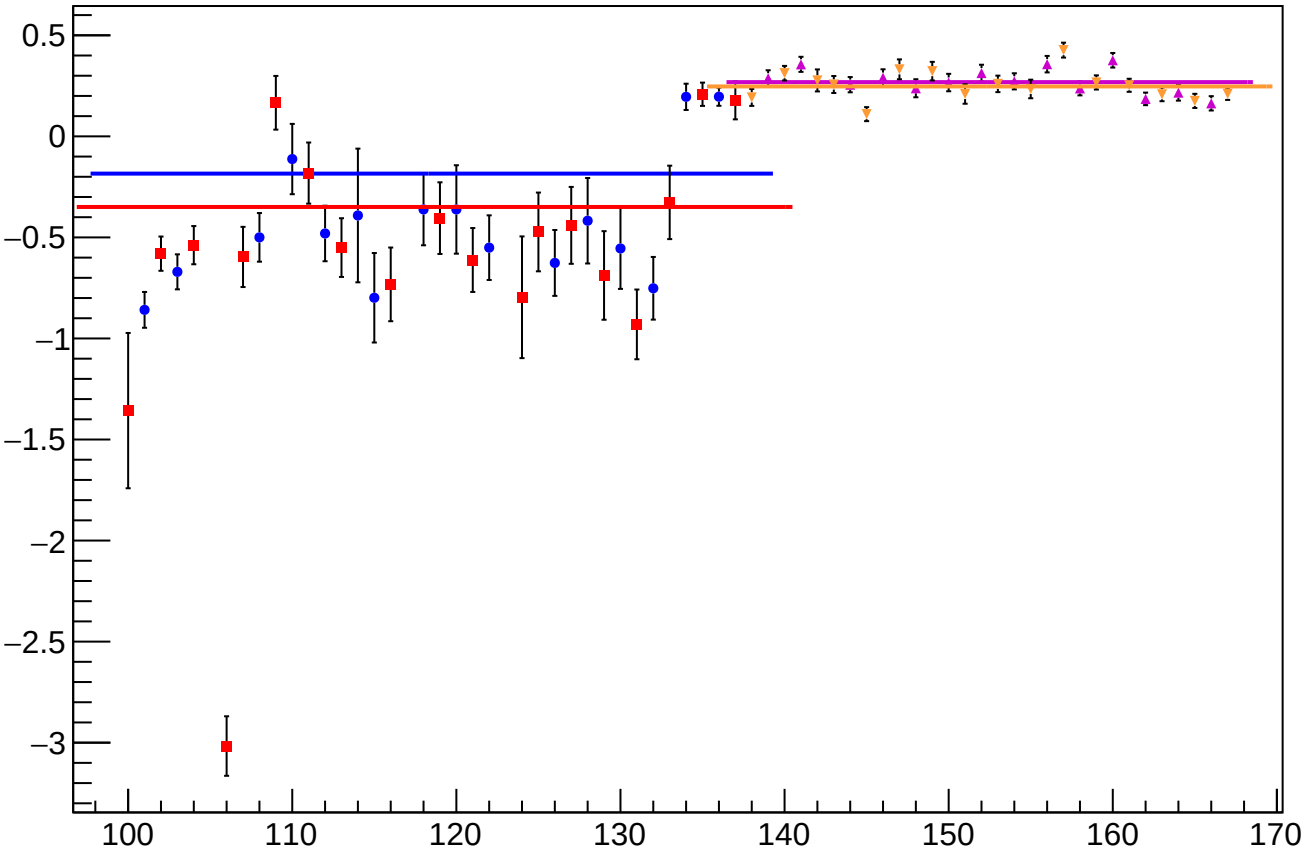
Left: -16.185+/-0.153 χ^2/NDF: 1695.5/29

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -14.409+/-0.204 χ^2/NDF:1672.8/29

Out: -15.186+/-0.196 χ^2/NDF:1252.9/34

All: -14.814+/-0.141 χ^2/NDF: 2933.3/64



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.247+/-0.010 χ^2/NDF:58.4/15

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.268+/-0.010 χ^2/NDF:40.0/13

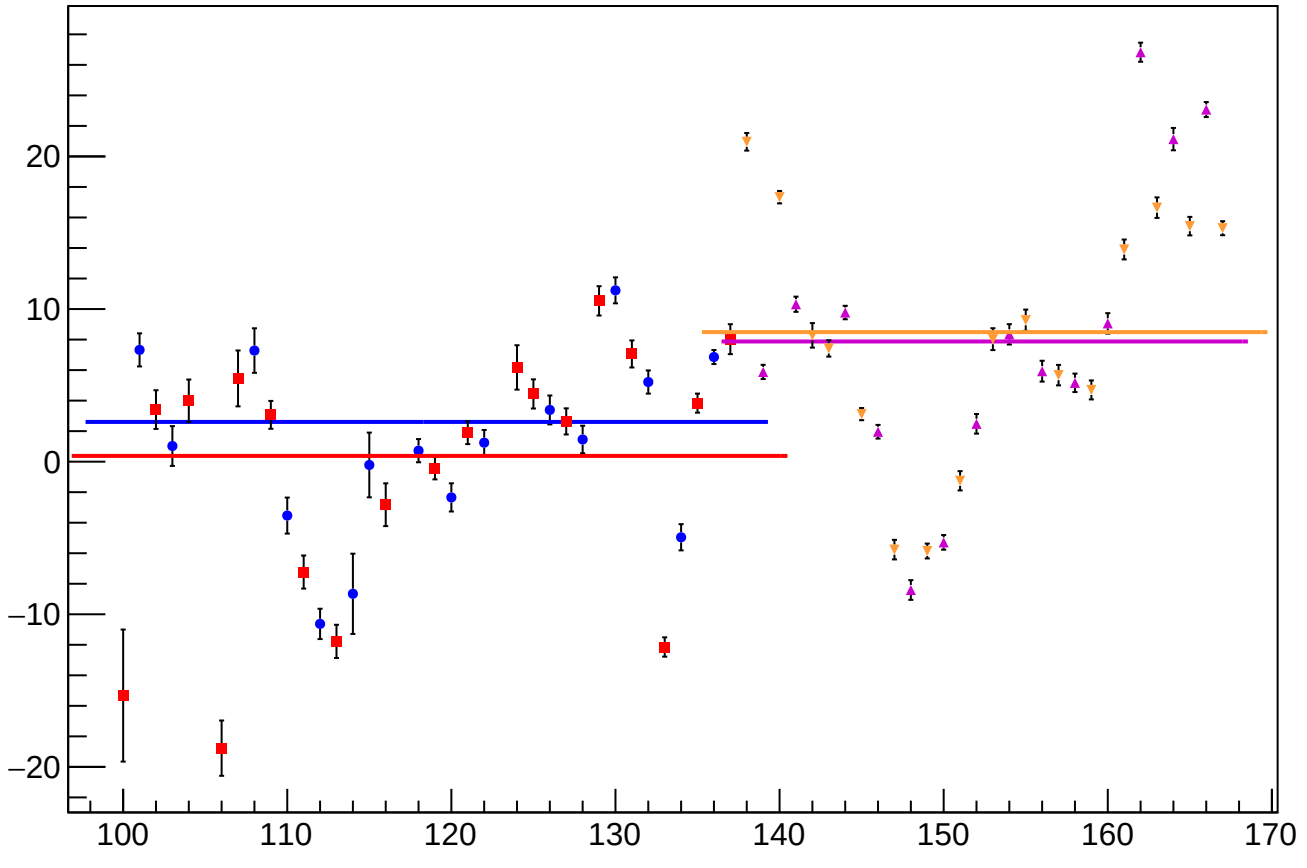
Left: 0.257+/-0.007 χ^2/NDF: 100.7/29

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.211+/-0.010 χ^2/NDF:536.9/29

Out: 0.189+/-0.009 χ^2/NDF:948.1/34

All: 0.199+/-0.007 χ^2/NDF: 1487.8/64



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 8.489+/-0.141 χ^2/NDF:3341.7/15

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 7.875+/-0.148 χ^2/NDF:3924.6/13

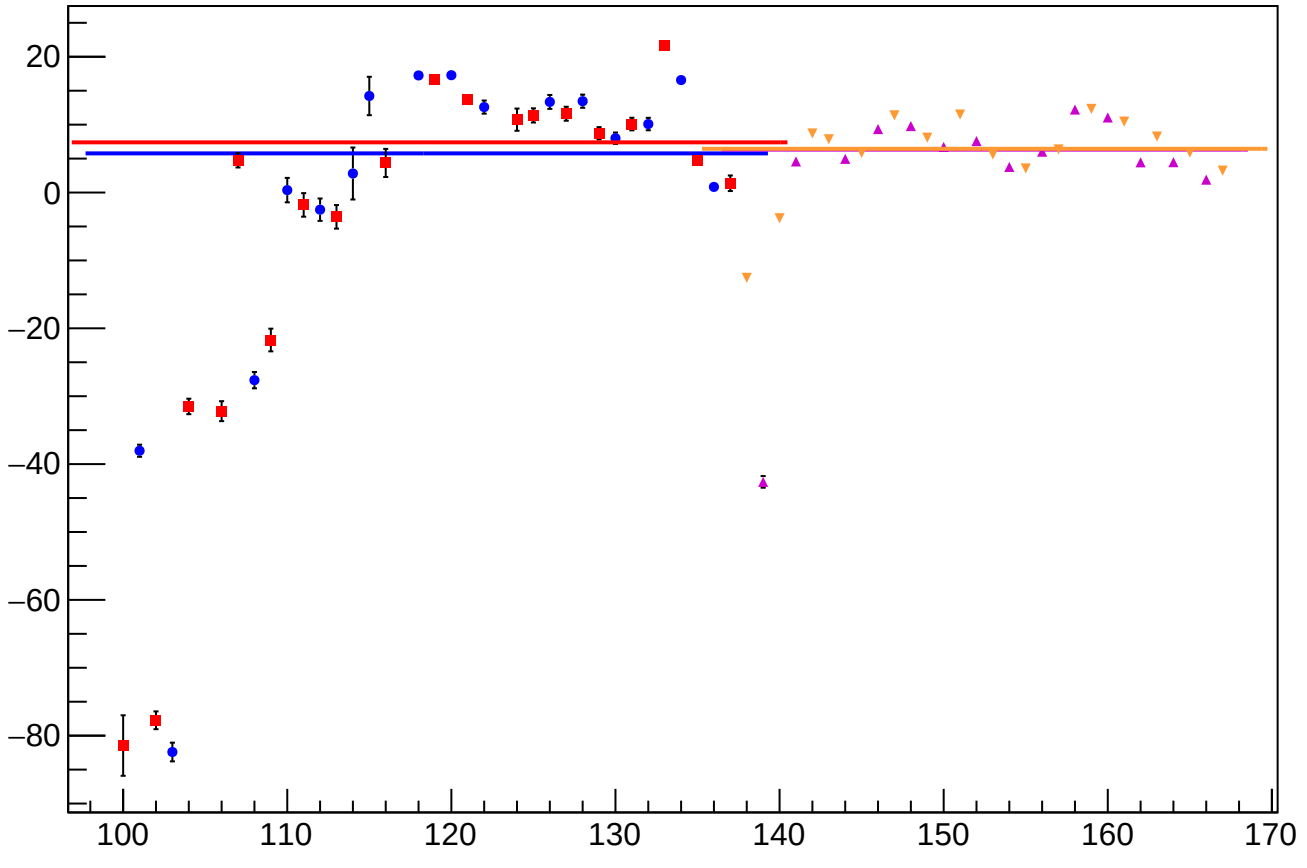
Left: 8.197+/-0.102 χ^2/NDF: 7275.3/29

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 6.278+/-0.123 χ^2/NDF:4883.3/29

Out: 6.162+/-0.119 χ^2/NDF:5322.7/34

All: 6.218+/-0.086 χ^2/NDF: 10206.5/64



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.445+/-0.100 χ^2/NDF:2906.0/15

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.323+/-0.105 χ^2/NDF:4034.9/13

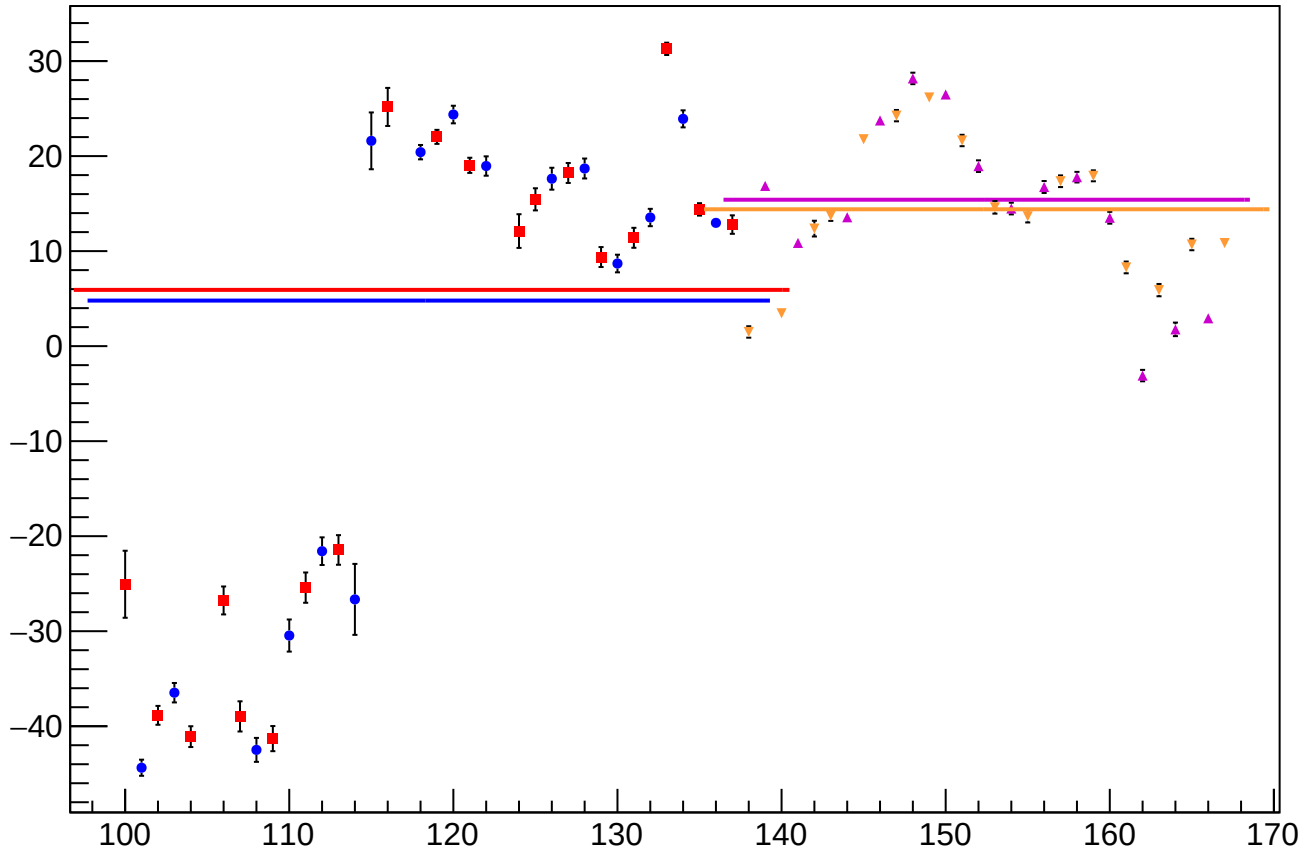
Left: 6.387+/-0.072 χ^2/NDF: 6941.5/29

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 6.211+/-0.094 χ^2/NDF:12974.3/29

Out: 6.622+/-0.090 χ^2/NDF:11313.3/34

All: 6.425+/-0.065 χ^2/NDF: 24297.5/64



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.403+/-0.139 χ^2/NDF:2980.4/15

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 15.409+/-0.144 χ^2/NDF:3531.8/13

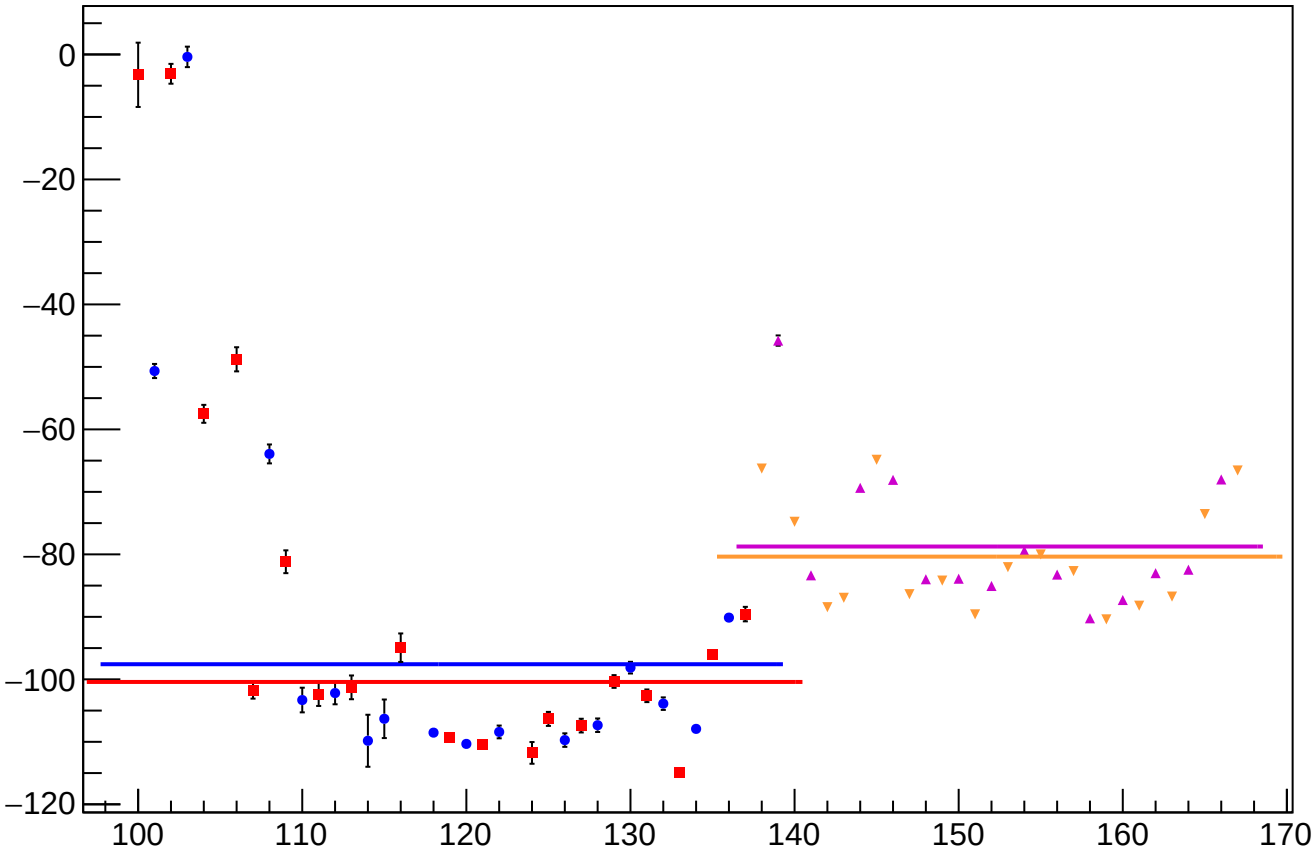
Left: 14.887+/-0.100 χ^2/NDF: 6537.5/29

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 12.557+/-0.123 χ^2/NDF:14490.7/29

Out: 12.281+/-0.120 χ^2/NDF:13977.2/34

All: 12.415+/-0.086 χ^2/NDF: 28470.4/64



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.363+/-0.116 χ^2/NDF:5793.4/15

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -78.745+/-0.122 χ^2/NDF:5574.2/13

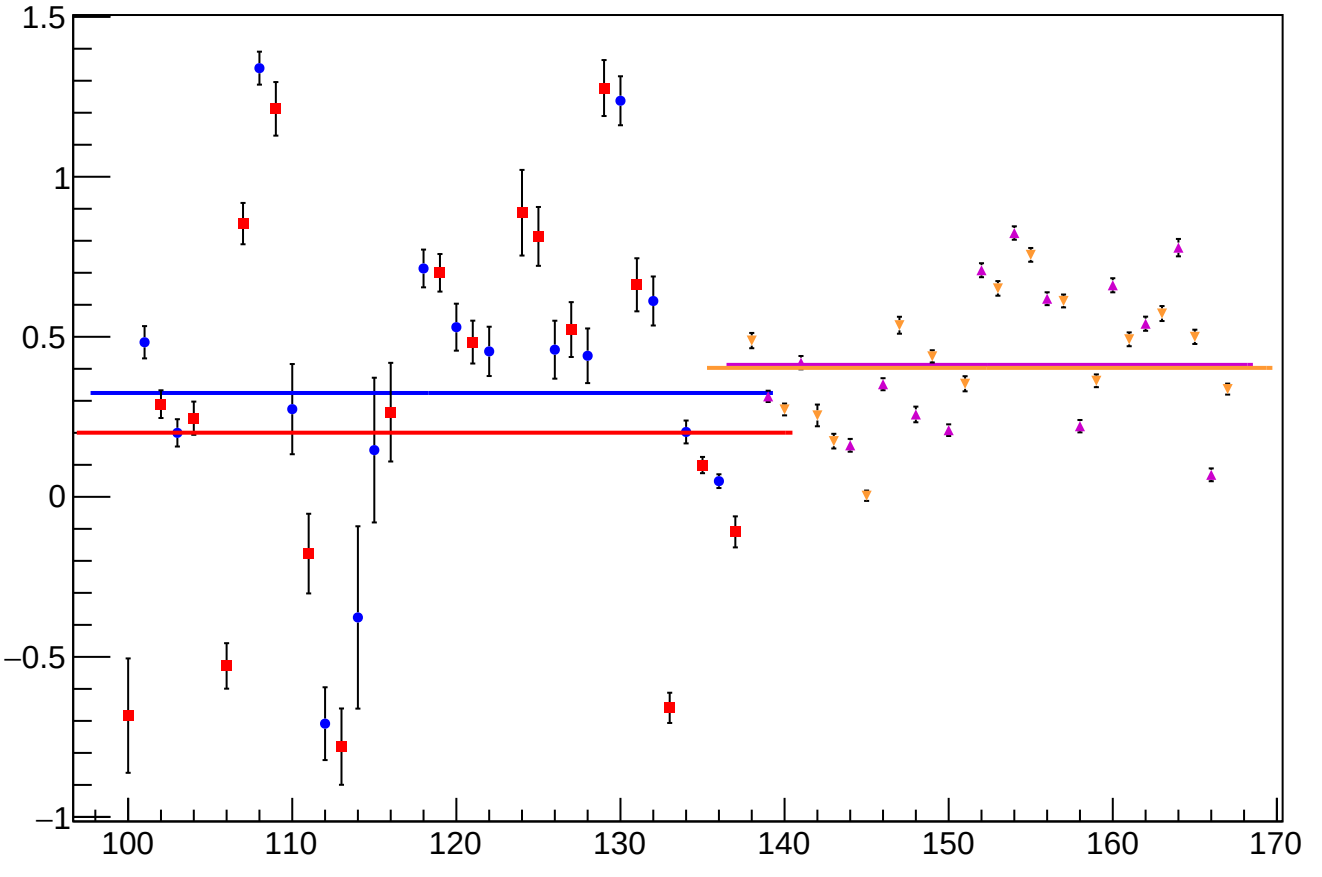
Left: -79.593+/-0.084 χ^2/NDF: 11460.2/29

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -82.556+/-0.109 χ^2/NDF:17563.4/29

Out: -84.132+/-0.104 χ^2/NDF:18533.6/34

All: -83.375+/-0.075 χ^2/NDF: 36206.3/64



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.403+/-0.005 χ^2/NDF:1425.3/15

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.412+/-0.006 χ^2/NDF:1772.9/13

Left: 0.407+/-0.004 χ^2/NDF: 3199.7/29

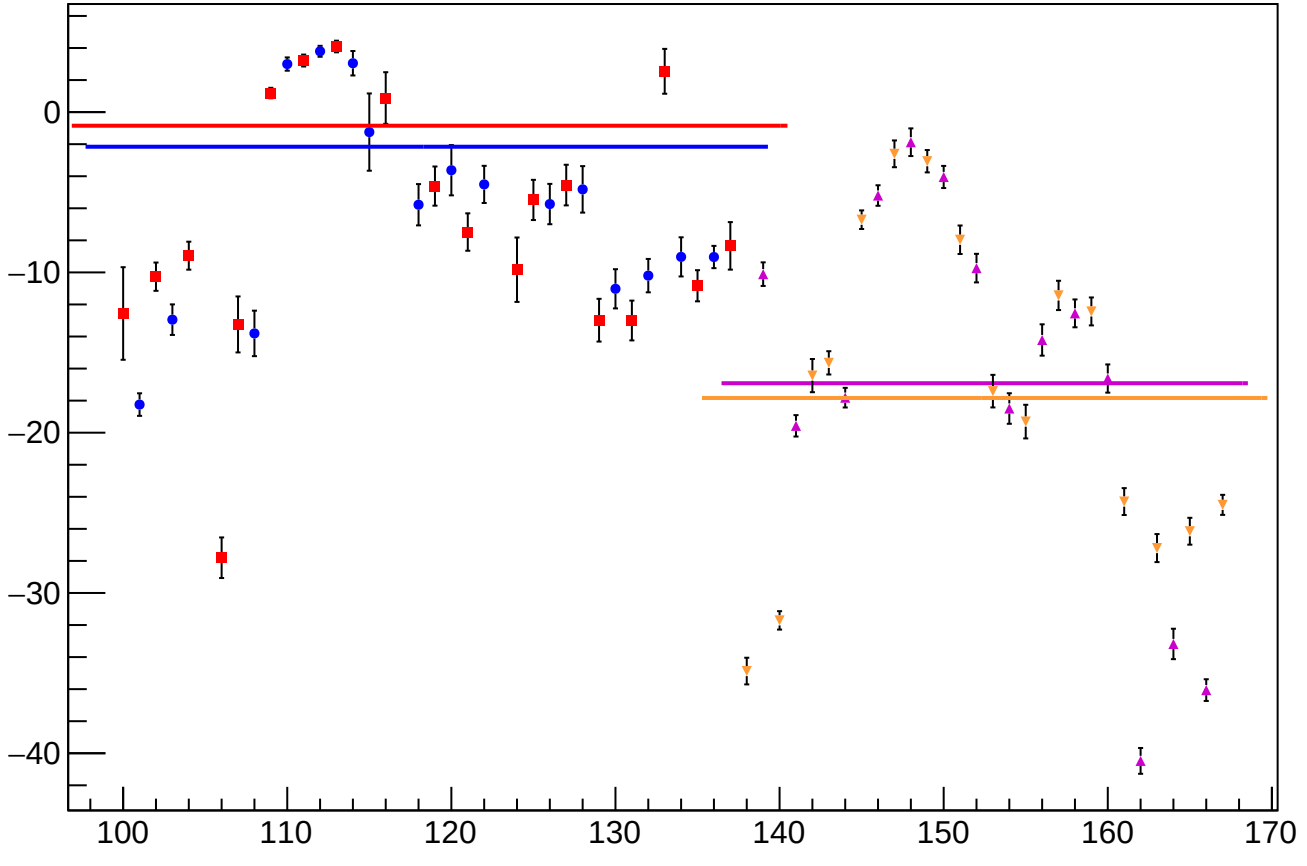
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.399+/-0.005 χ^2/NDF:2696.7/29

Out: 0.377+/-0.005 χ^2/NDF:2818.2/34

All: 0.388+/-0.004 χ^2/NDF: 5524.8/64

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -17.835+/-0.196 χ^2/NDF:2761.9/15

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -16.914+/-0.206 χ^2/NDF:3137.8/13

Left: -17.399+/-0.142 χ^2/NDF: 5910.2/29

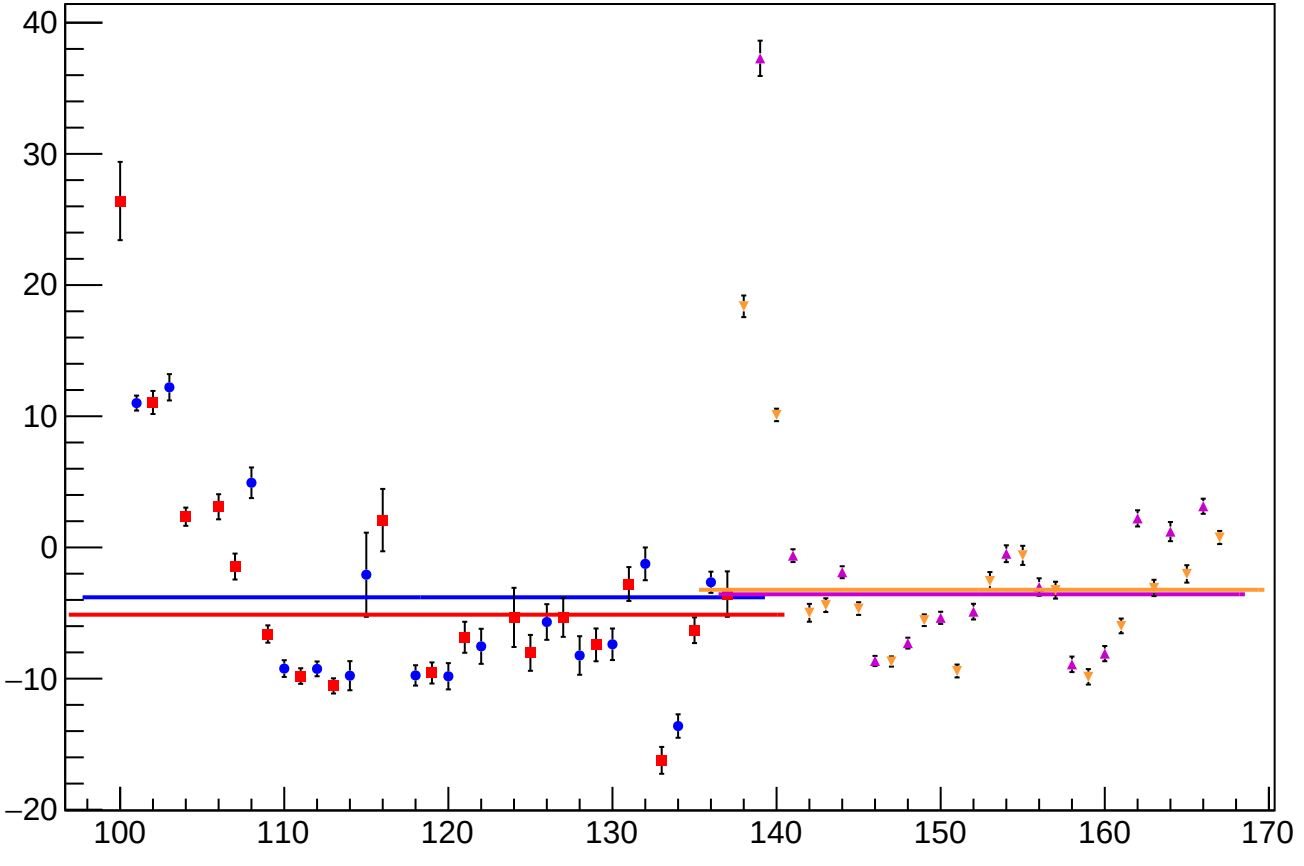
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -9.003+/-0.141 χ^2/NDF:7368.5/29

Out: -8.176+/-0.128 χ^2/NDF:8514.5/34

All: -8.553+/-0.095 χ^2/NDF: 15901.8/64

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.226+/-0.137 χ^2/NDF:2098.5/15

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -3.572+/-0.145 χ^2/NDF:1675.7/13

Left: -3.389+/-0.100 χ^2/NDF: 3777.2/29

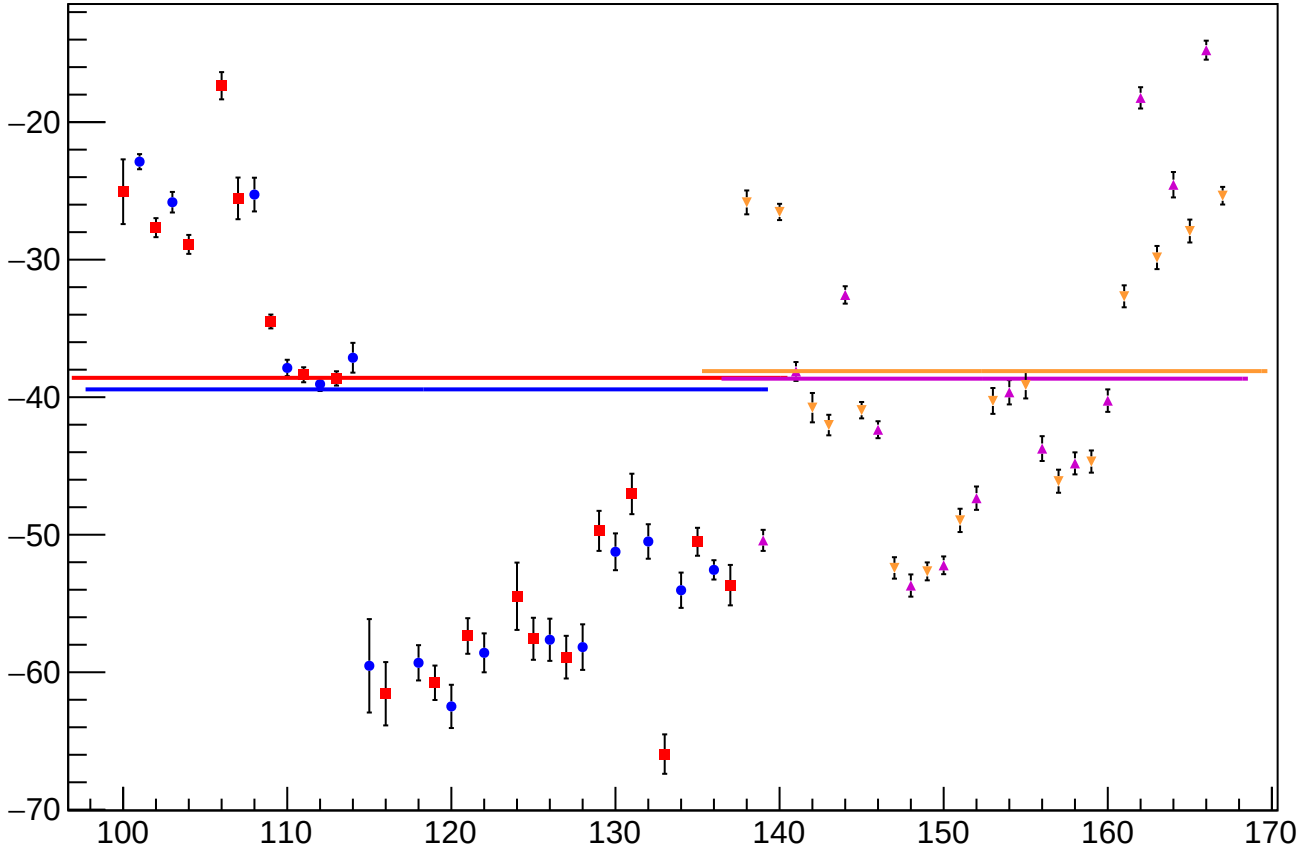
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.639+/-0.122 χ^2/NDF:3101.9/29

Out: -3.763+/-0.116 χ^2/NDF:3133.2/34

All: -3.704+/-0.084 χ^2/NDF: 6235.7/64

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -38.104+/-0.192 χ^2/NDF:2493.0/15

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -38.653+/-0.201 χ^2/NDF:3478.1/13

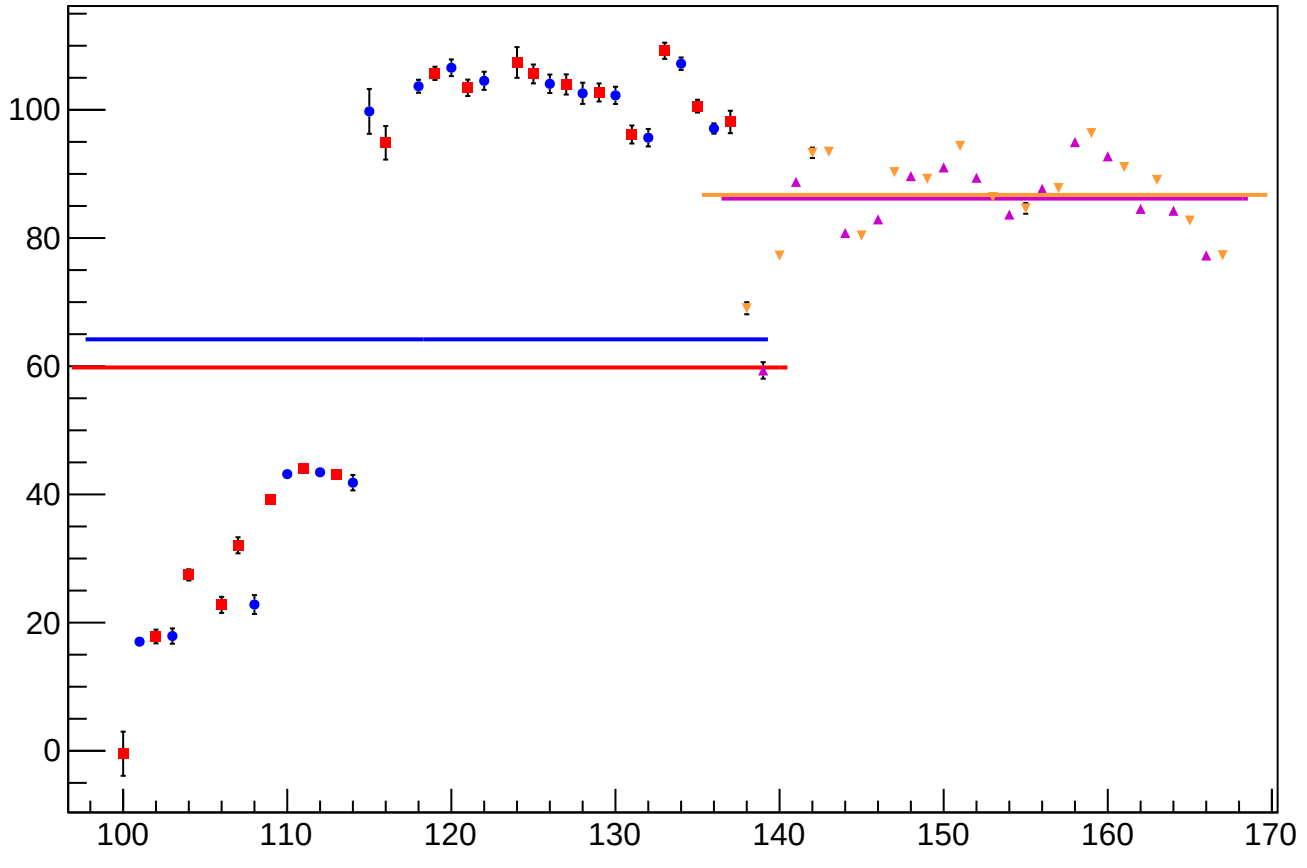
Left: -38.366+/-0.139 χ^2/NDF: 5975.0/29

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -38.998+/-0.150 χ^2/NDF:6442.9/29

Out: -38.324+/-0.143 χ^2/NDF:5268.0/34

All: -38.644+/-0.103 χ^2/NDF: 11721.5/64



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.729+/-0.160 χ^2/NDF:1799.9/15

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 86.153+/-0.168 χ^2/NDF:1285.3/13

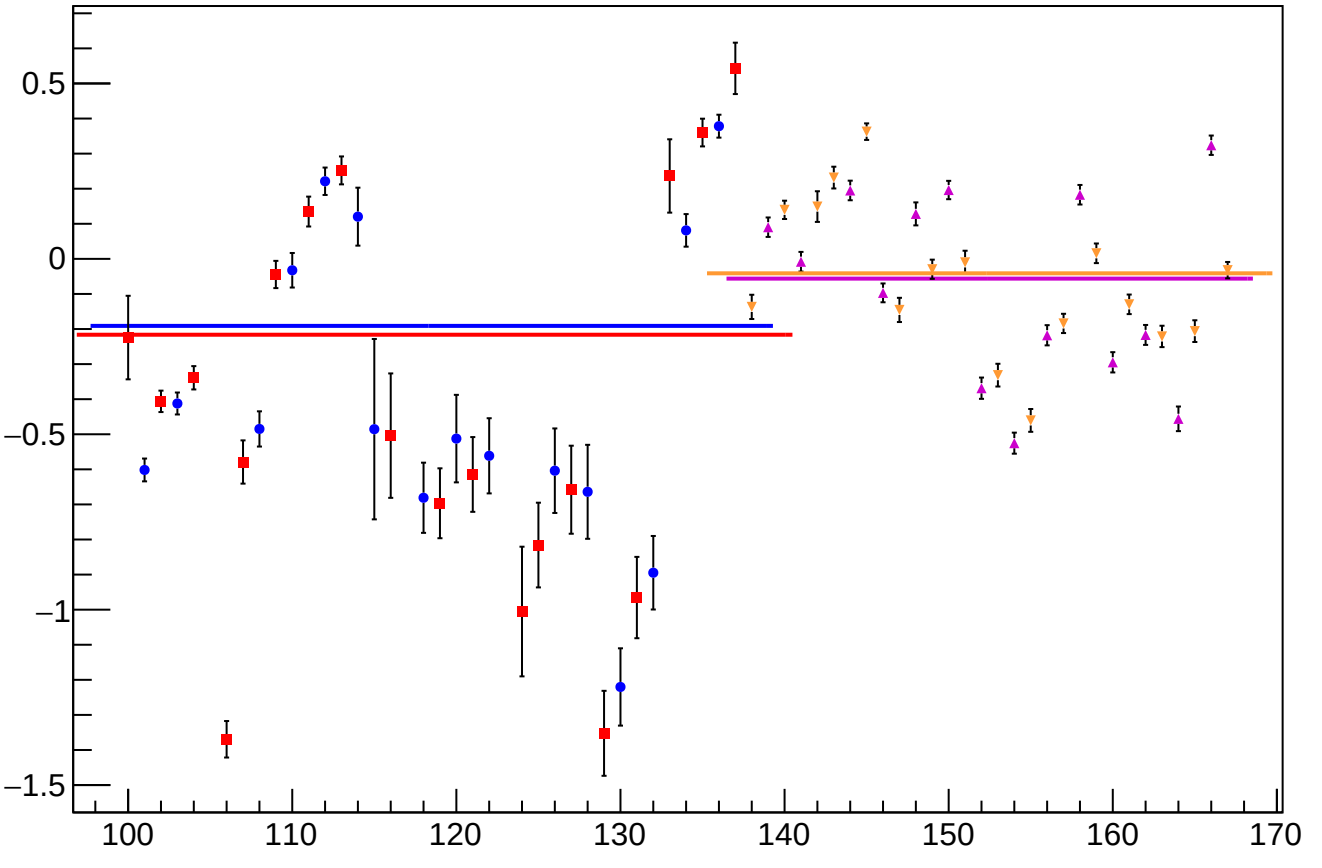
Left: 86.456+/-0.116 χ^2/NDF: 3091.4/29

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

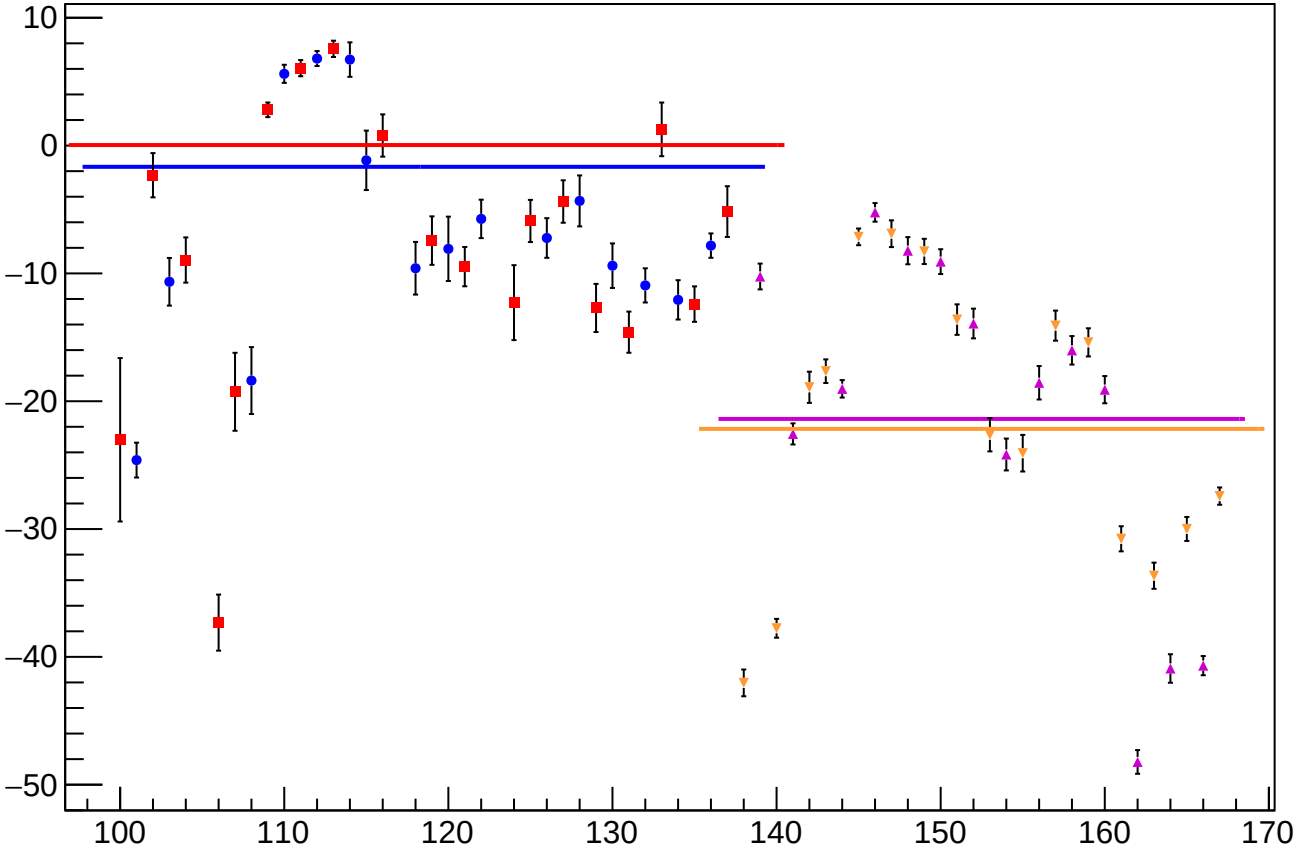
In: 79.588+/-0.141 χ^2/NDF:24978.8/29

Out: 78.868+/-0.134 χ^2/NDF:27526.8/34

All: 79.212+/-0.097 χ^2/NDF: 52519.3/64


reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.191+/-0.013 χ²/NDF: 918.3/15
Left Out: -0.041+/-0.007 χ²/NDF:807.2/15
Right Out: -0.216+/-0.013 χ²/NDF: 1368.1/18
Left In: -0.056+/-0.008 χ²/NDF:1113.6/13
Left: -0.048+/-0.005 χ²/NDF: 1922.9/29
Right: -0.204+/-0.009 χ²/NDF: 2288.3/34
In: -0.090+/-0.007 χ²/NDF:2107.7/29
Out: -0.084+/-0.006 χ²/NDF:2313.7/34
All: -0.087+/-0.005 χ²/NDF: 4421.8/64

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -22.163+/-0.239 χ^2/NDF:2250.8/15

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -21.385+/-0.251 χ^2/NDF:2827.8/13

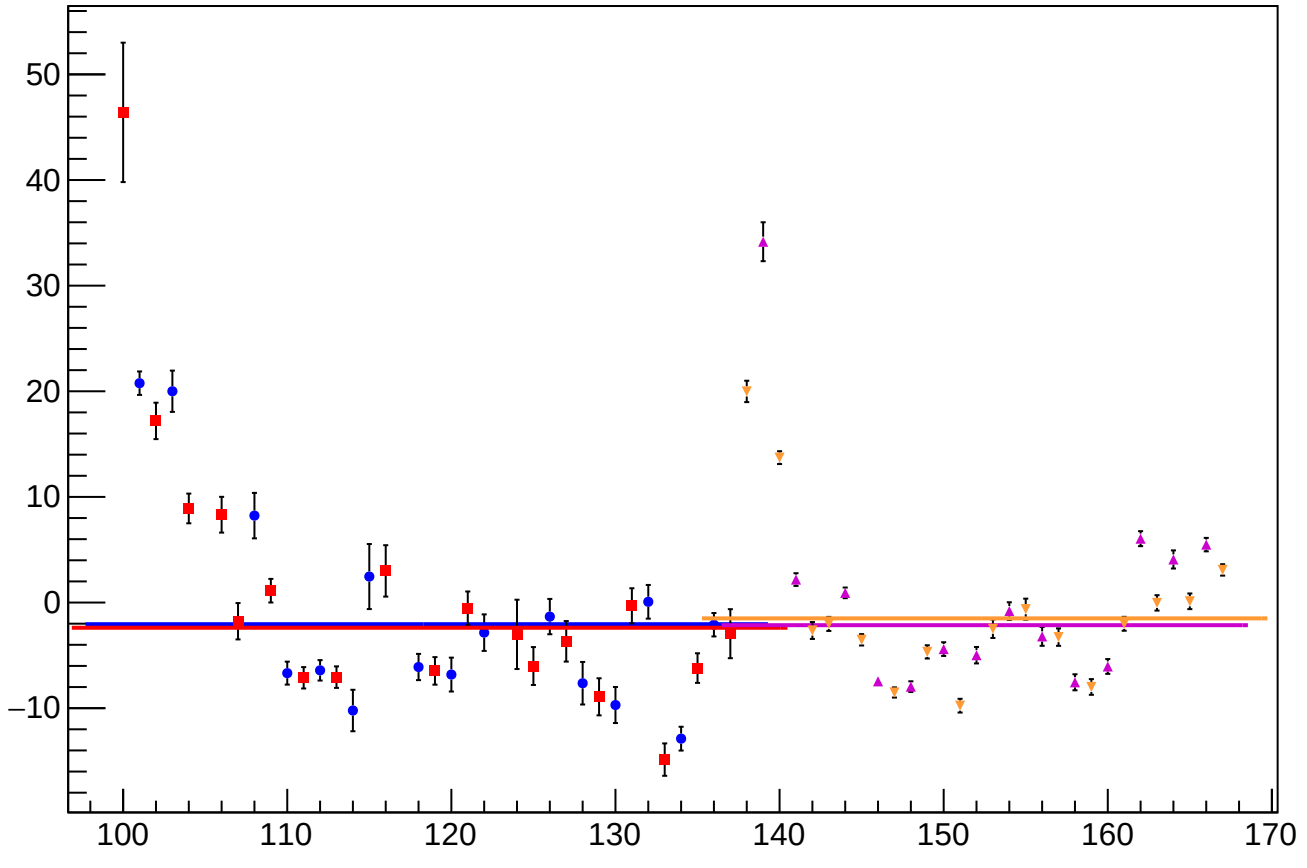
Left: -21.793+/-0.173 χ^2/NDF: 5083.6/29

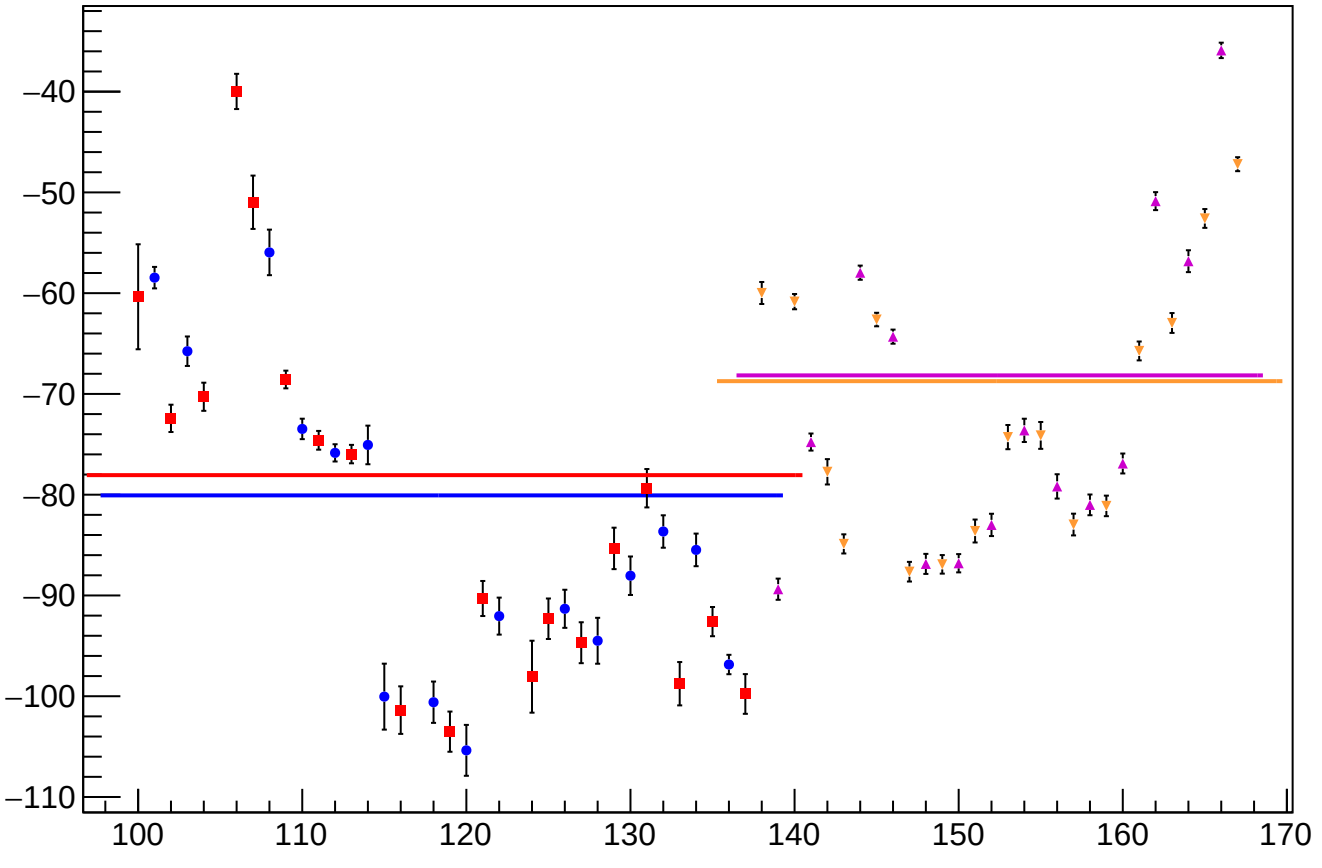
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -13.502+/-0.195 χ^2/NDF:6189.0/29

Out: -12.882+/-0.182 χ^2/NDF:6793.1/34

All: -13.172+/-0.133 χ^2/NDF: 12987.5/64


reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: -2.050+/-0.356 χ²/NDF: 771.9/15
Left Out: -1.498+/-0.169 χ²/NDF:1657.0/15
Right Out: -2.386+/-0.355 χ²/NDF: 450.9/18
Left In: -2.143+/-0.175 χ²/NDF:1202.4/13
Left: -1.808+/-0.121 χ²/NDF: 2866.4/29
Right: -2.218+/-0.252 χ²/NDF: 1223.3/34
In: -2.125+/-0.157 χ²/NDF:1974.3/29
Out: -1.661+/-0.152 χ²/NDF:2113.0/34
All: -1.886+/-0.109 χ²/NDF: 4091.8/64



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -68.733+/-0.236 χ^2/NDF:3198.4/15

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -68.159+/-0.245 χ^2/NDF:4266.3/13

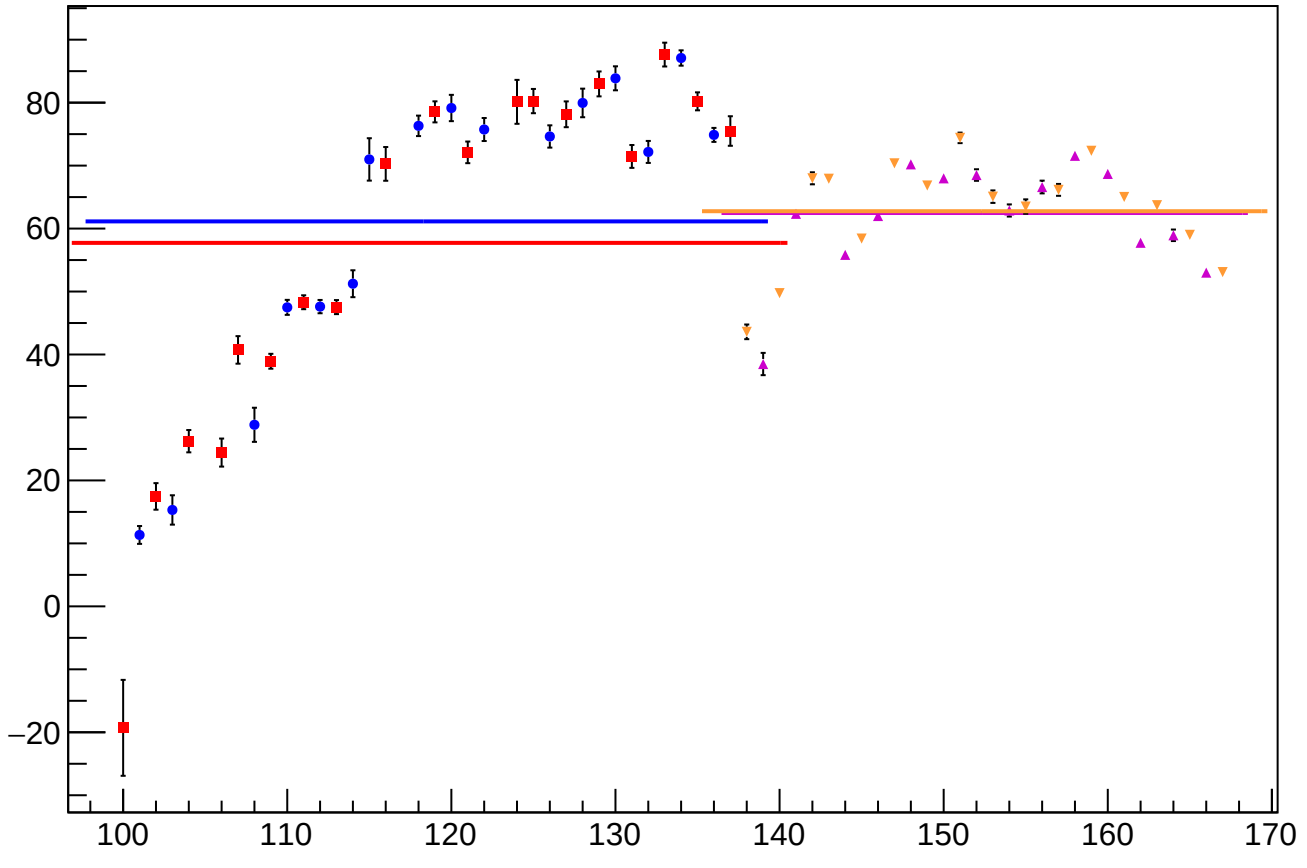
Left: -68.458+/-0.170 χ^2/NDF: 7467.5/29

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -71.873+/-0.203 χ^2/NDF:6388.5/29

Out: -71.602+/-0.196 χ^2/NDF:5241.4/34

All: -71.732+/-0.141 χ^2/NDF: 11630.9/64



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 62.757+/-0.195 χ^2/NDF:1539.1/15

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 62.478+/-0.204 χ^2/NDF:993.1/13

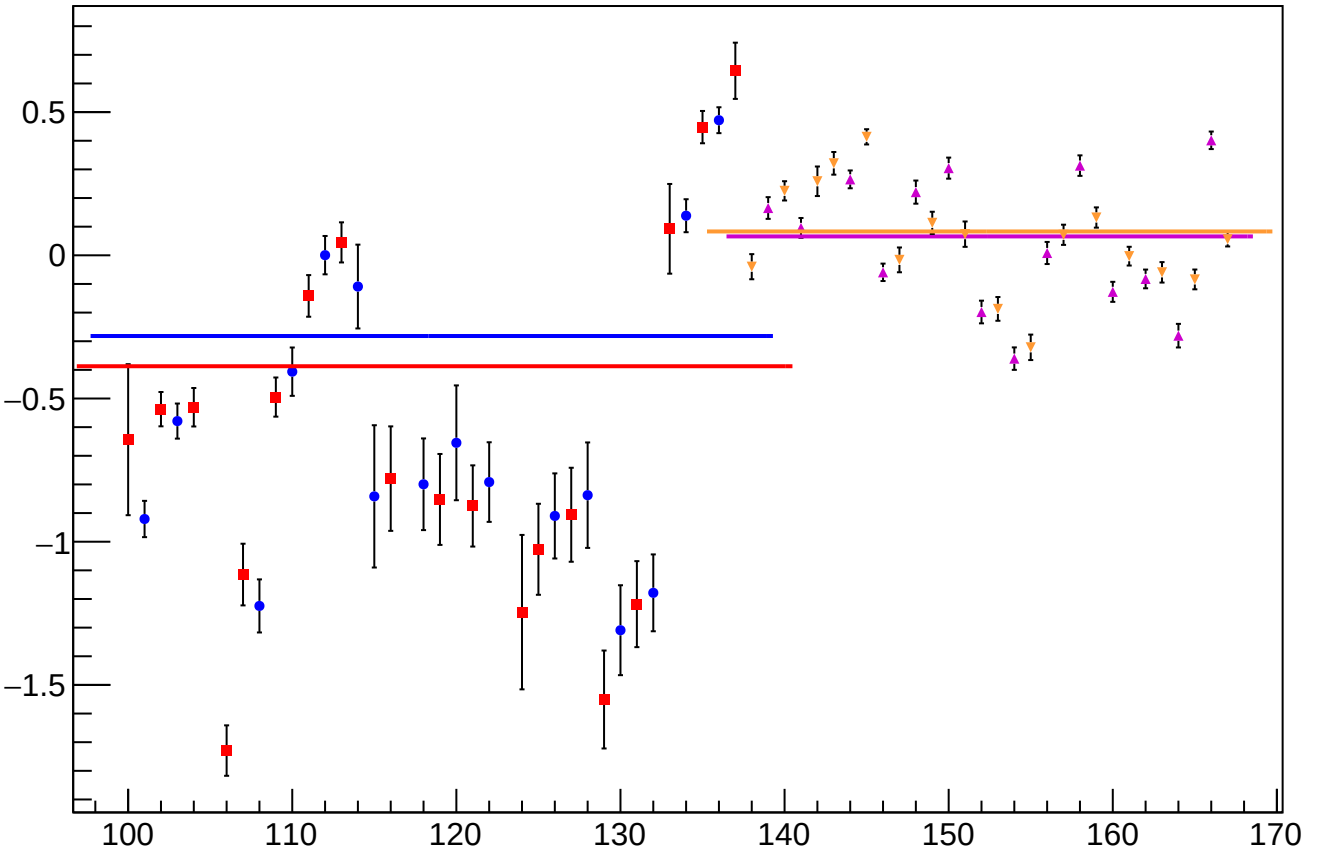
Left: 62.623+/-0.141 χ^2/NDF: 2533.1/29

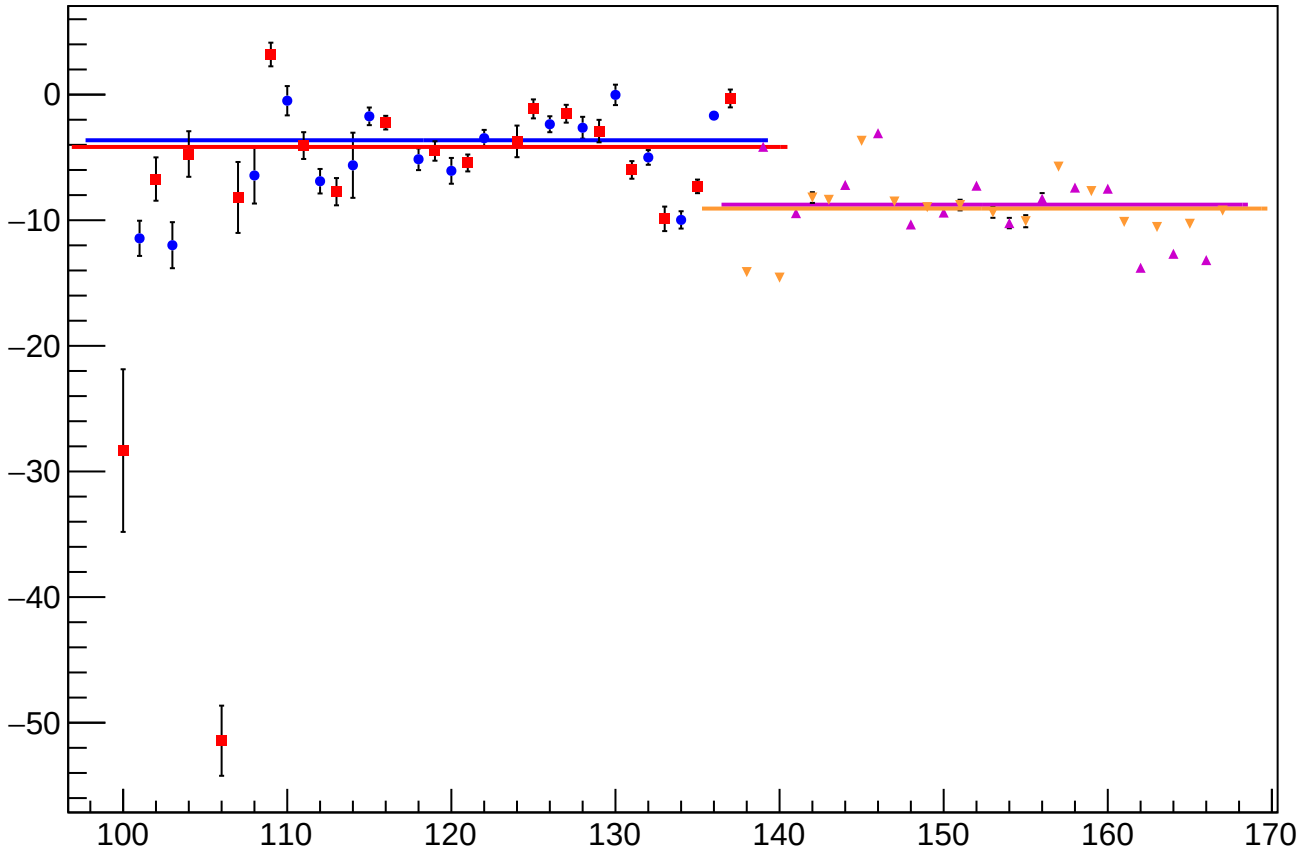
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 62.203+/-0.182 χ^2/NDF:4231.2/29

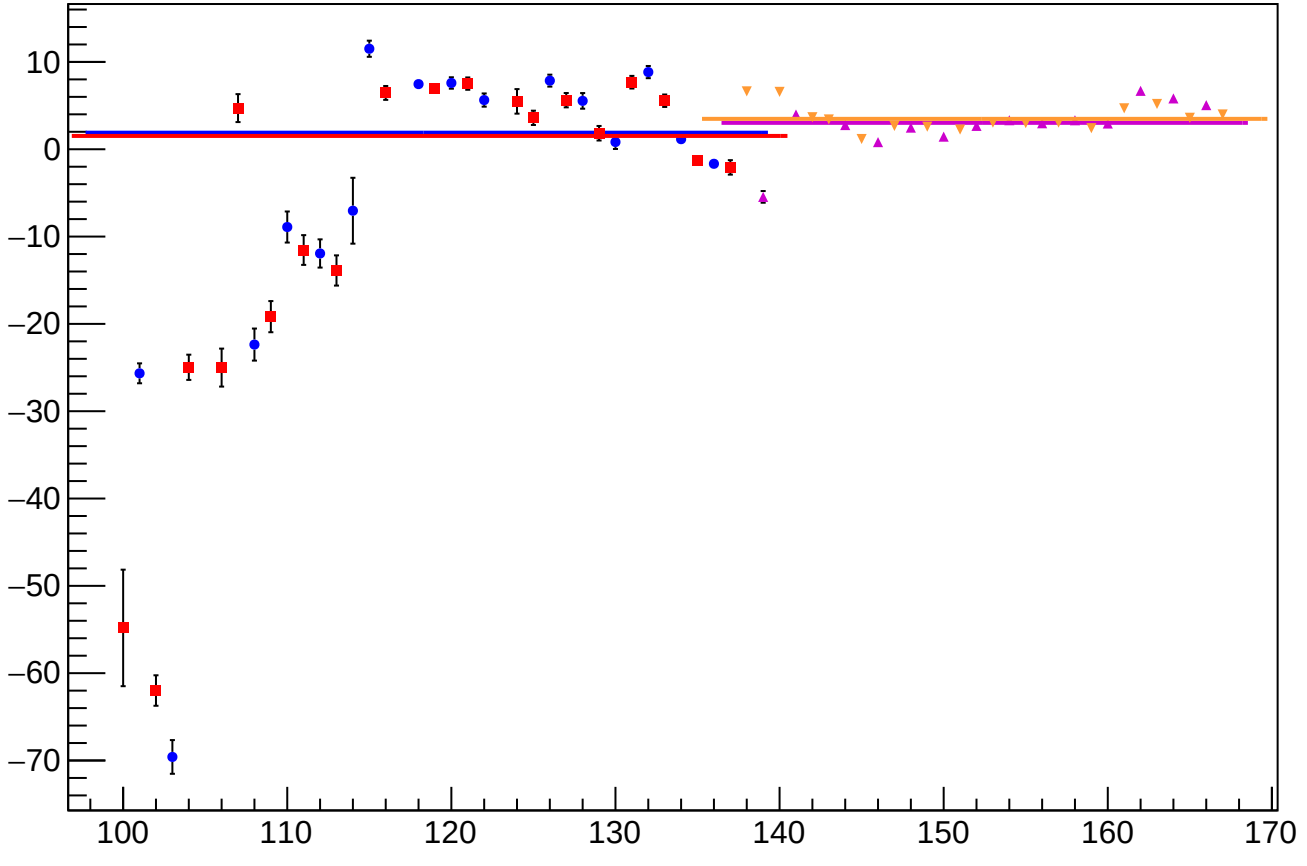
Out: 61.789+/-0.176 χ^2/NDF:4442.3/34

All: 61.989+/-0.126 χ^2/NDF: 8676.2/64


reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.282+/-0.022 χ²/NDF: 728.2/15
Left Out: 0.083+/-0.009 χ²/NDF:408.3/15
Right Out: -0.387+/-0.022 χ²/NDF: 818.7/18
Left In: 0.066+/-0.009 χ²/NDF:577.3/13
Left: 0.075+/-0.007 χ²/NDF: 987.3/29
Right: -0.334+/-0.015 χ²/NDF: 1558.7/34
In: 0.010+/-0.009 χ²/NDF:1522.3/29
Out: 0.015+/-0.008 χ²/NDF:1621.9/34
All: 0.013+/-0.006 χ²/NDF: 3144.5/64


reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: -3.634+/-0.189 χ²/NDF: 234.8/15
Left Out: -9.072+/-0.079 χ²/NDF:1413.6/15
Right Out: -4.167+/-0.199 χ²/NDF: 529.7/18
Left In: -8.762+/-0.083 χ²/NDF:1682.3/13
Left: -8.924+/-0.057 χ²/NDF: 3103.2/29
Right: -3.886+/-0.137 χ²/NDF: 768.2/34
In: -7.929+/-0.076 χ²/NDF:2533.5/29
Out: -8.401+/-0.074 χ²/NDF:2465.4/34
All: -8.173+/-0.053 χ²/NDF: 5018.7/64

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.482+/-0.056 χ^2/NDF:647.1/15

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.024+/-0.058 χ^2/NDF:990.6/13

Left: 3.260+/-0.040 χ^2/NDF: 1669.8/29

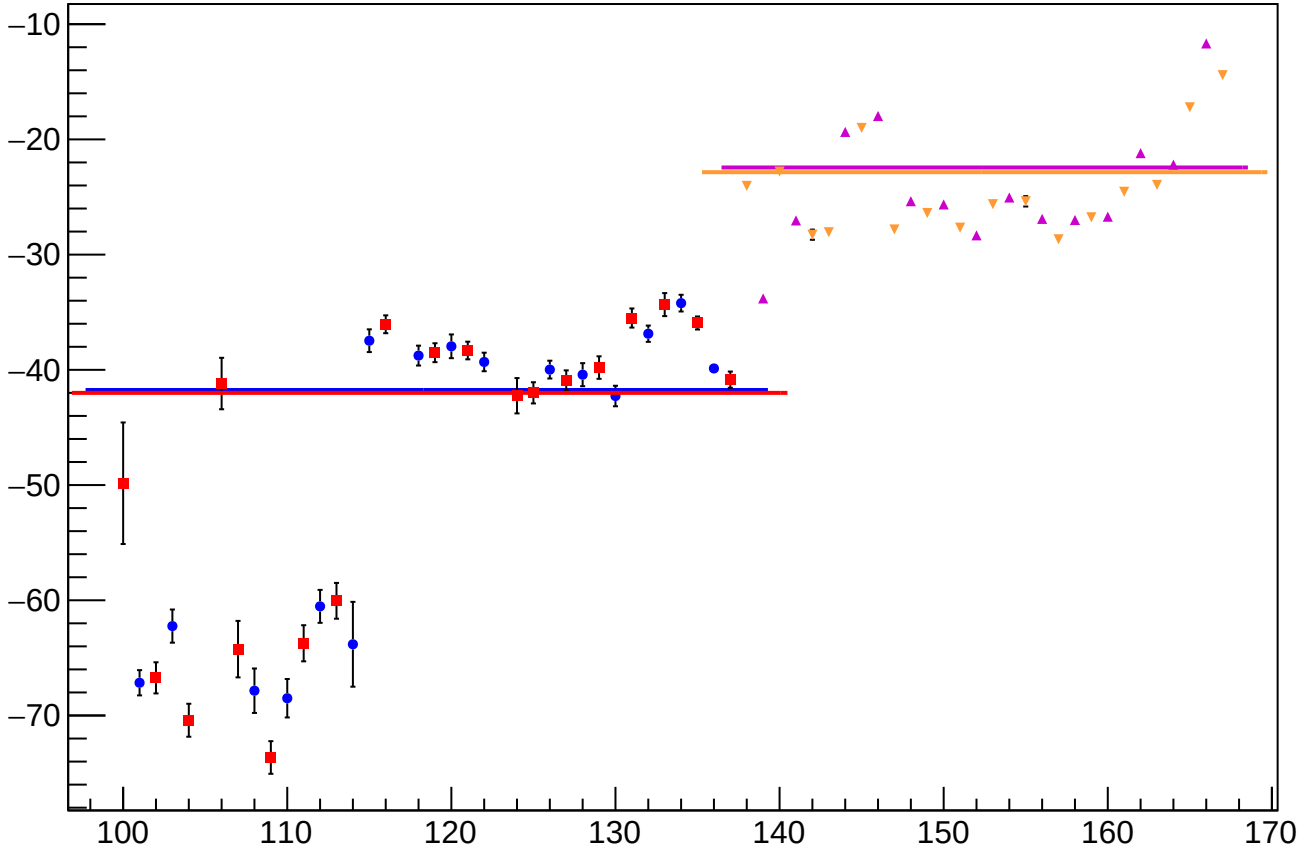
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.927+/-0.055 χ^2/NDF:3861.2/29

Out: 3.349+/-0.054 χ^2/NDF:3289.2/34

All: 3.142+/-0.039 χ^2/NDF: 7179.8/64

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -22.846+/-0.078 χ^2/NDF:3626.3/15

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -22.438+/-0.081 χ^2/NDF:4657.7/13

Left: -22.649+/-0.056 χ^2/NDF: 8297.1/29

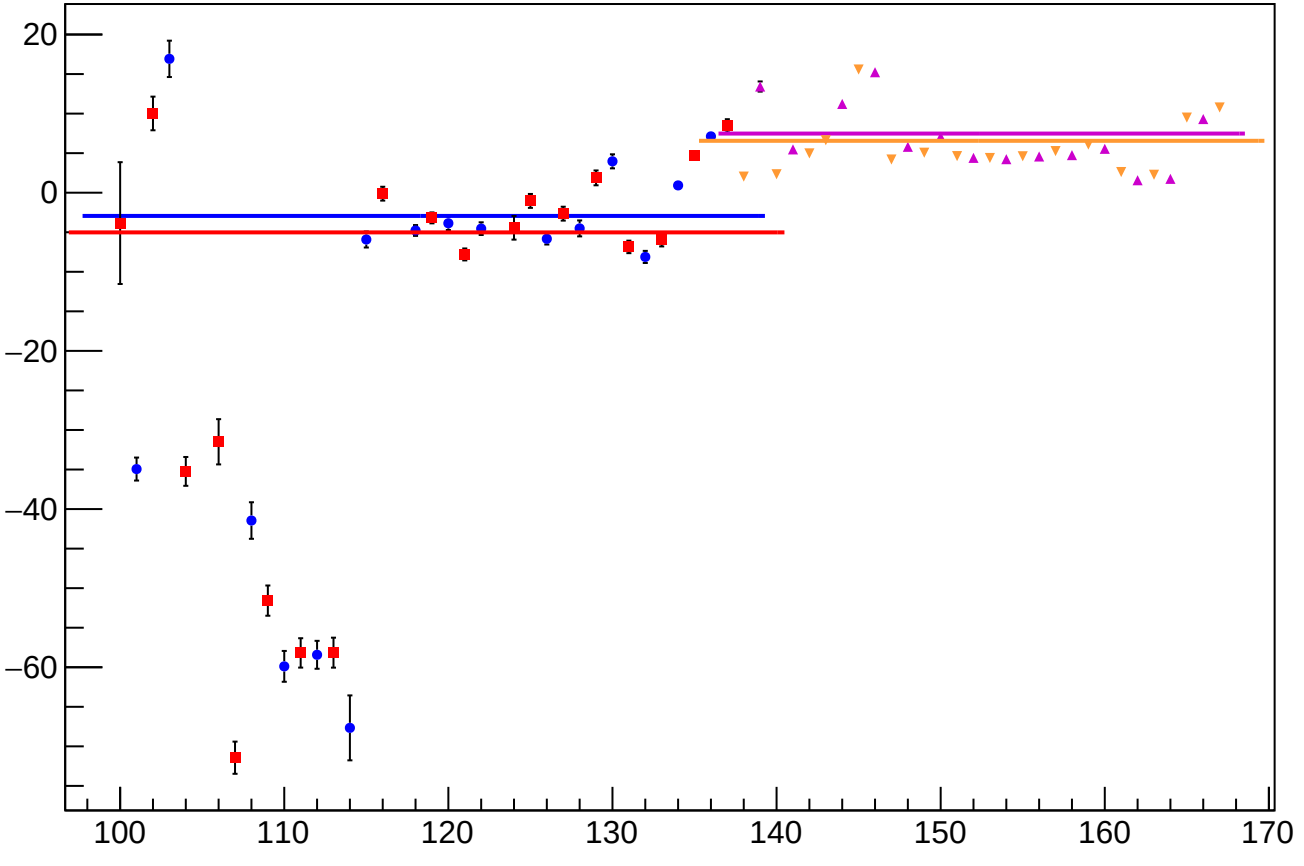
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -25.000+/-0.076 χ^2/NDF:13796.0/29

Out: -24.866+/-0.074 χ^2/NDF:11909.1/34

All: -24.932+/-0.053 χ^2/NDF: 25706.7/64

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.561+/-0.065 χ^2/NDF:3977.1/15

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 7.476+/-0.067 χ^2/NDF:4159.0/13

Left: 7.002+/-0.047 χ^2/NDF: 8232.1/29

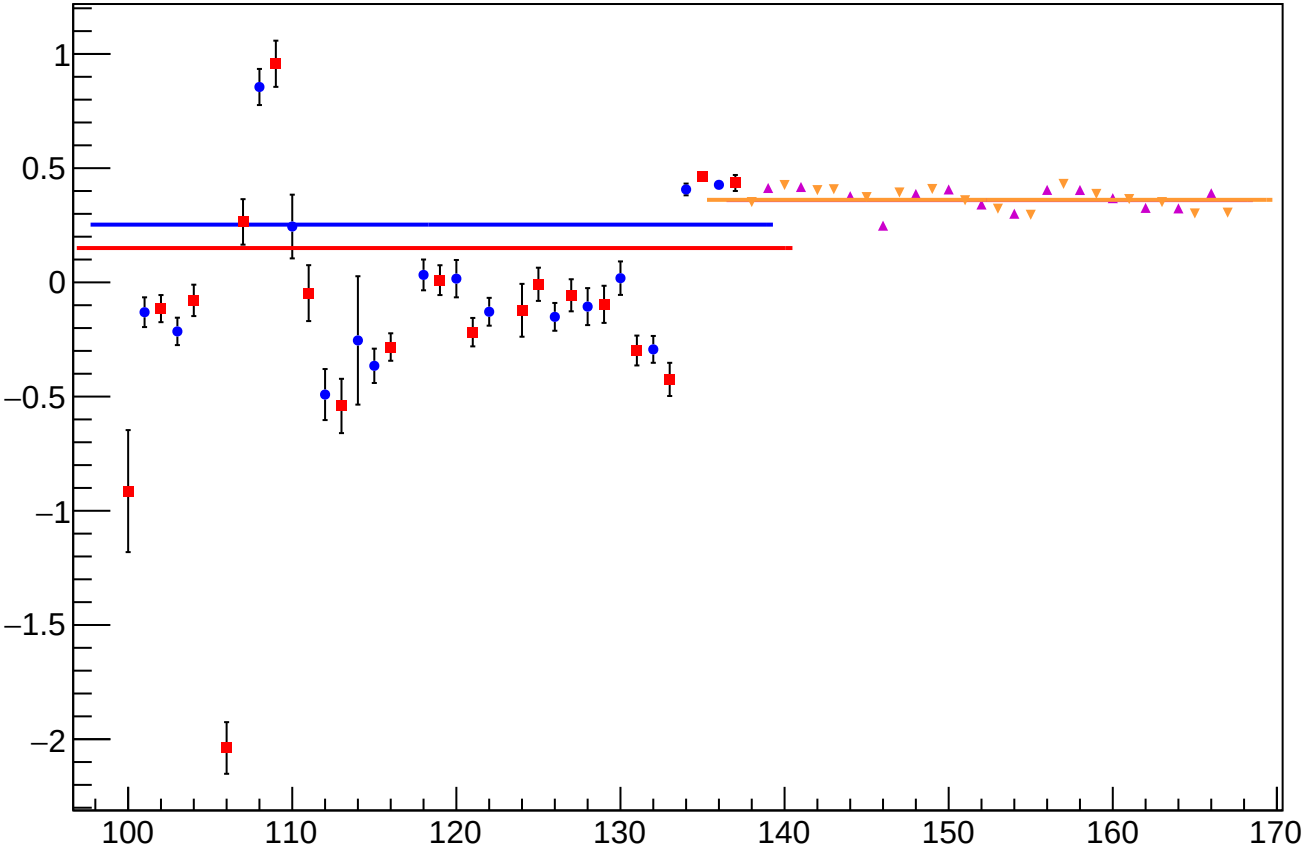
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 6.505+/-0.064 χ^2/NDF:10121.1/29

Out: 5.719+/-0.062 χ^2/NDF:10668.1/34

All: 6.102+/-0.045 χ^2/NDF: 20866.3/64

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.361+/-0.003 χ^2/NDF:214.5/15

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.360+/-0.003 χ^2/NDF:269.0/13

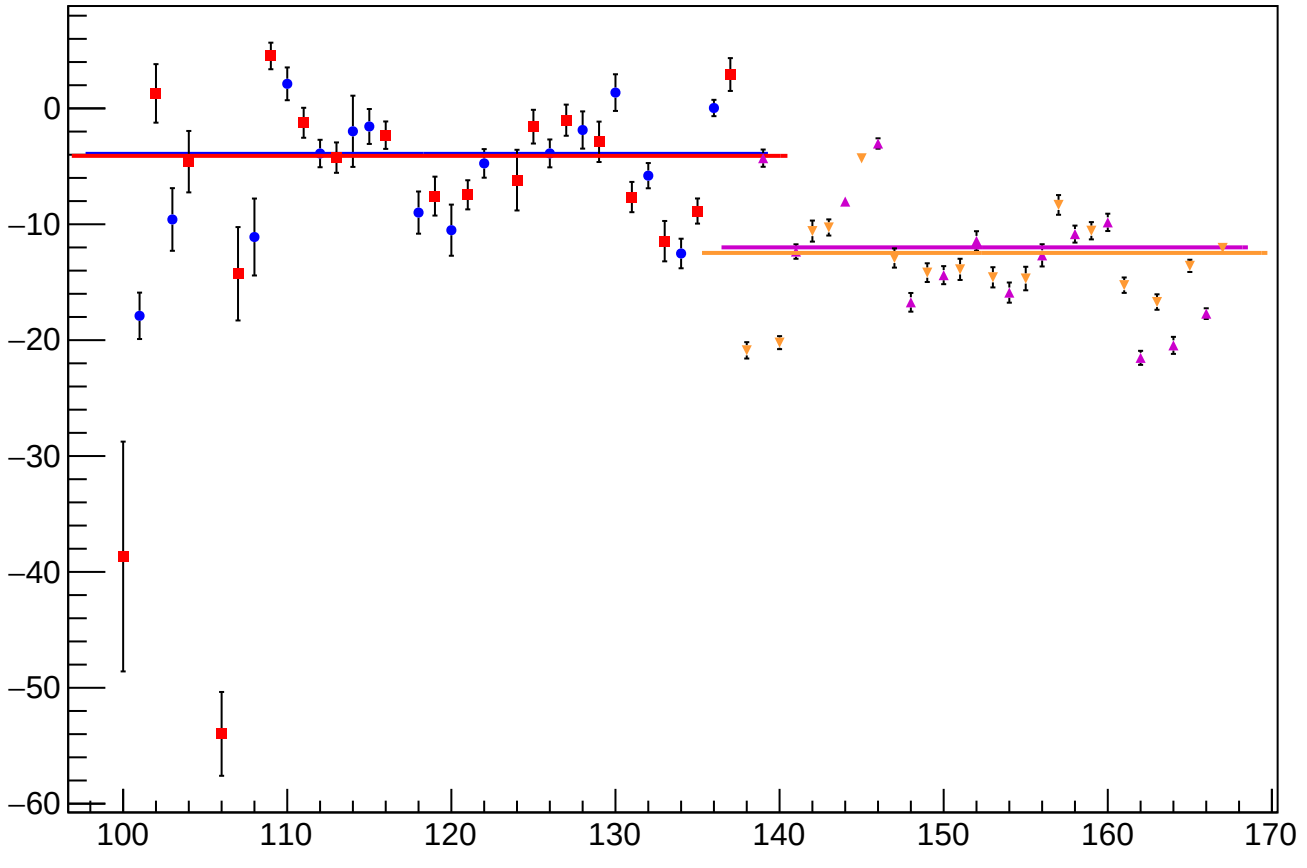
Left: 0.361+/-0.002 χ^2/NDF: 483.5/29

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

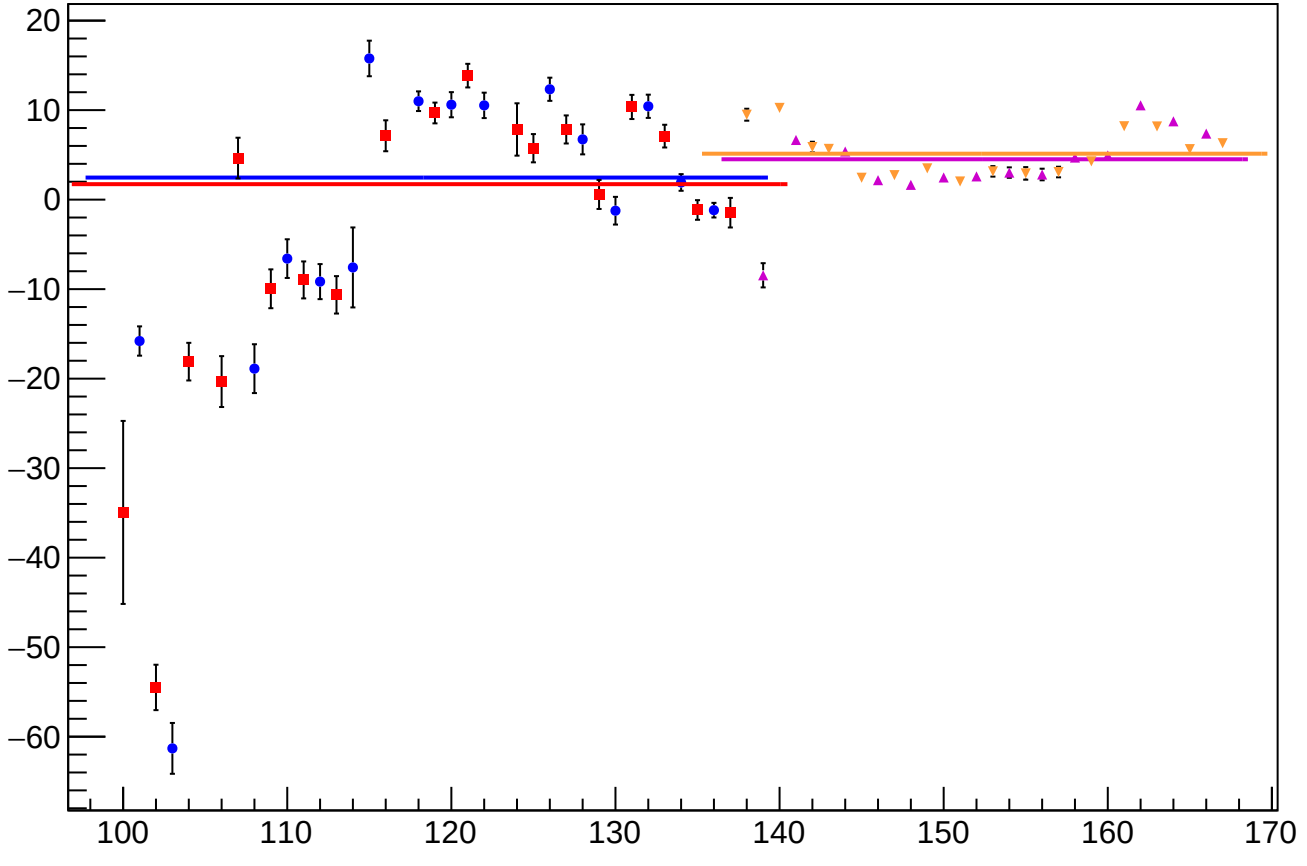
In: 0.353+/-0.003 χ^2/NDF:981.4/29

Out: 0.351+/-0.003 χ^2/NDF:1470.4/34

All: 0.352+/-0.002 χ^2/NDF: 2452.0/64


reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
Right In: -3.924+/-0.346 χ²/NDF: 188.8/15
Left Out: -12.472+/-0.161 χ²/NDF:887.6/15
Right Out: -4.096+/-0.357 χ²/NDF: 366.9/18
Left In: -11.992+/-0.170 χ²/NDF:1202.9/13
Left: -12.245+/-0.117 χ²/NDF: 2094.8/29
Right: -4.007+/-0.248 χ²/NDF: 555.8/34
In: -10.427+/-0.152 χ²/NDF:1829.9/29
Out: -11.055+/-0.147 χ²/NDF:1712.3/34
All: -10.752+/-0.106 χ²/NDF: 3551.0/64

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.132+/-0.116 χ^2/NDF:466.9/15

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.509+/-0.118 χ^2/NDF:579.4/13

Left: 4.828+/-0.083 χ^2/NDF: 1060.6/29

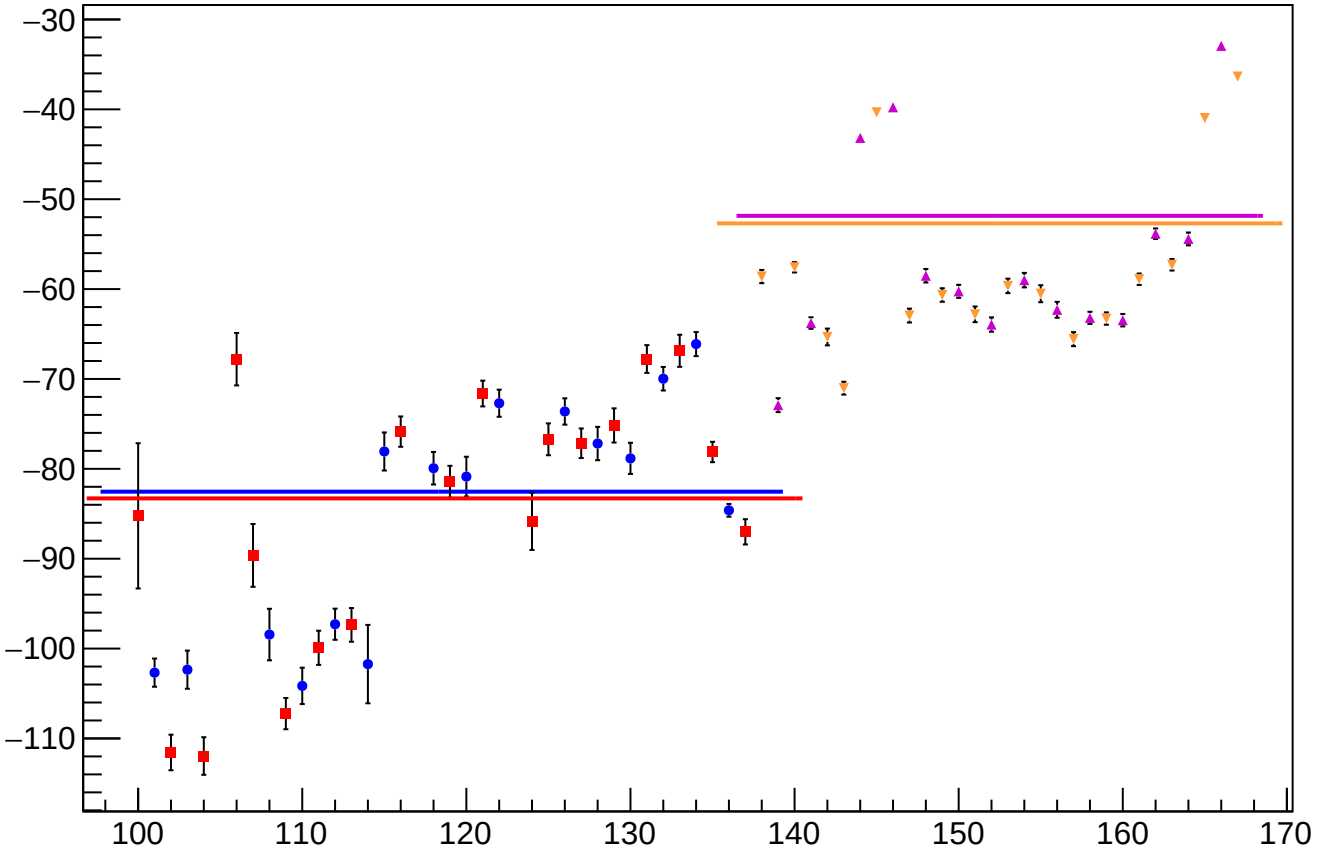
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 4.306+/-0.112 χ^2/NDF:1655.8/29

Out: 4.852+/-0.111 χ^2/NDF:1521.4/34

All: 4.583+/-0.079 χ^2/NDF: 3189.1/64

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -52.691+/-0.160 χ^2/NDF:5120.7/15

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -51.848+/-0.166 χ^2/NDF:5119.0/13

Left: -52.287+/-0.115 χ^2/NDF: 10253.1/29

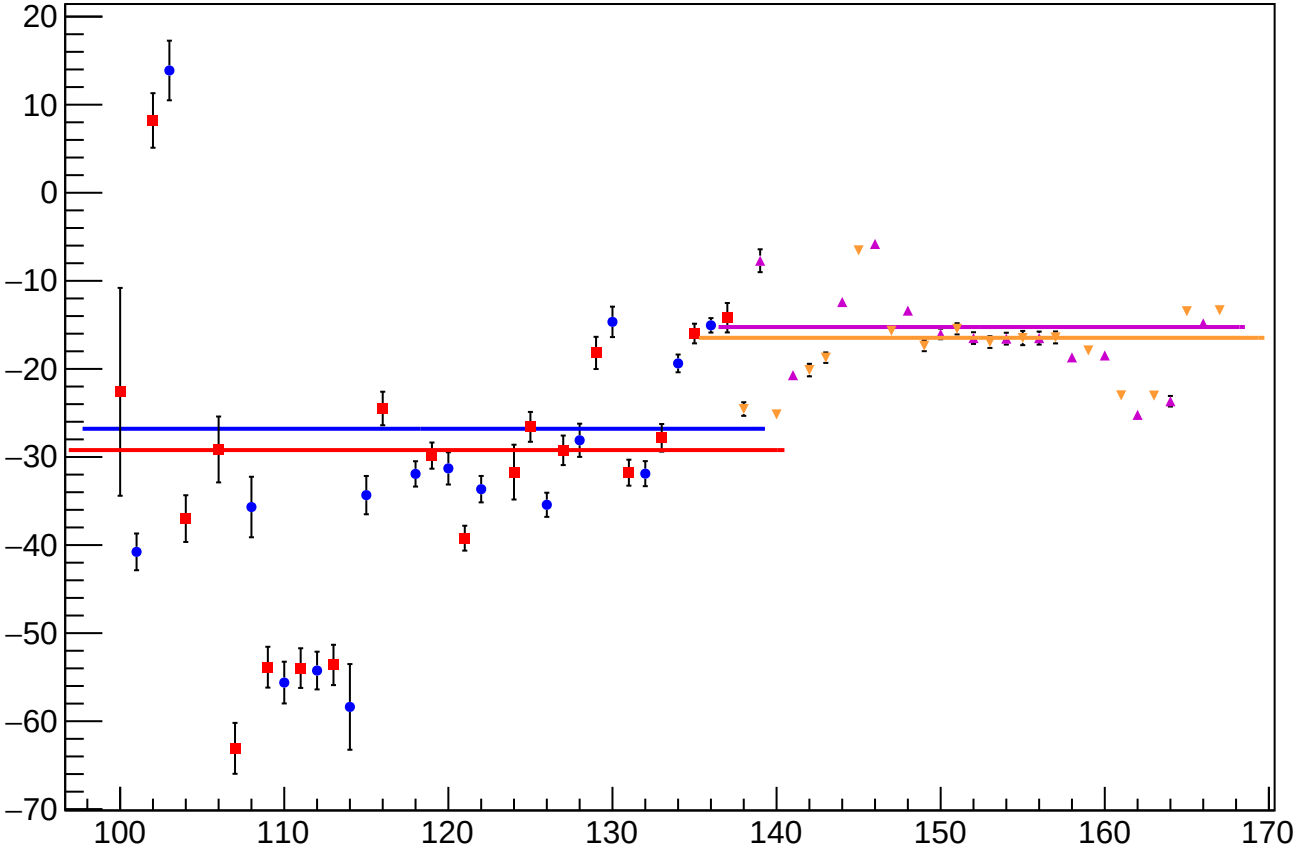
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -56.675+/-0.152 χ^2/NDF:11333.3/29

Out: -56.643+/-0.149 χ^2/NDF:10964.6/34

All: -56.659+/-0.106 χ^2/NDF: 22297.9/64

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -16.468+/-0.132 χ^2/NDF:1628.1/15

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -15.243+/-0.137 χ^2/NDF:1733.1/13

Left: -15.878+/-0.095 χ^2/NDF: 3402.4/29

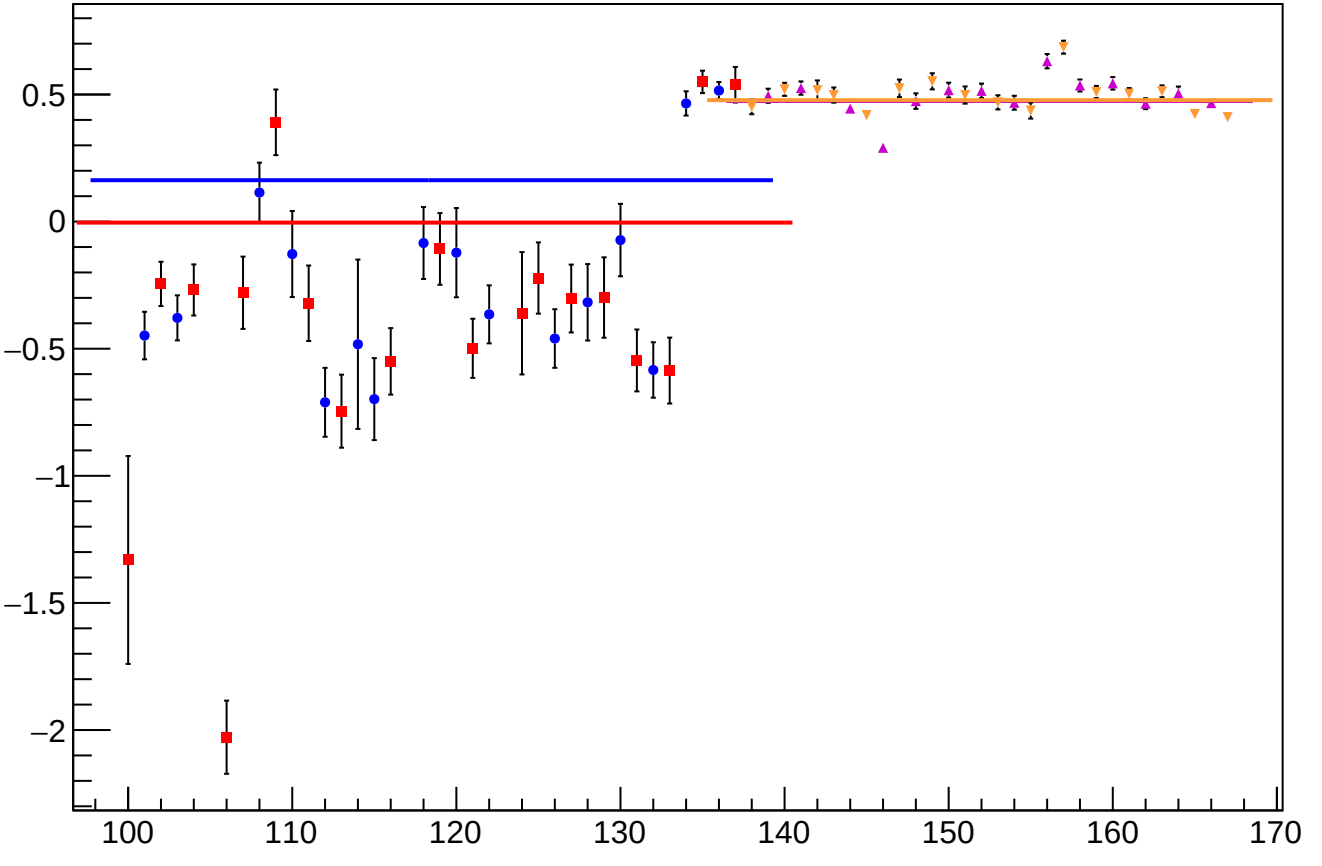
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -16.486+/-0.130 χ^2/NDF:3457.7/29

Out: -17.568+/-0.127 χ^2/NDF:3387.7/34

All: -17.041+/-0.091 χ^2/NDF: 6881.0/64

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.478+/-0.006 χ^2/NDF:127.1/15

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.474+/-0.006 χ^2/NDF:154.5/13

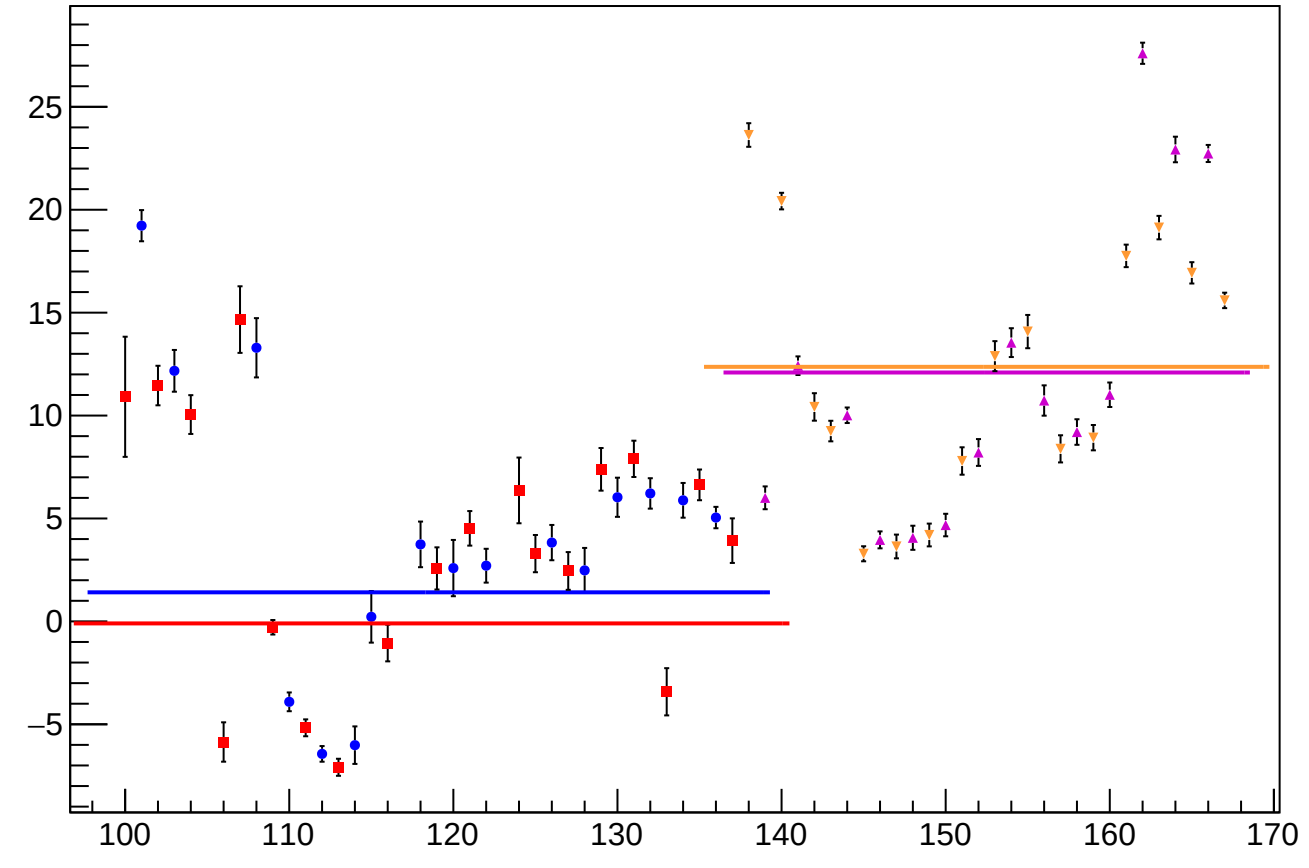
Left: 0.476+/-0.004 χ^2/NDF: 281.7/29

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

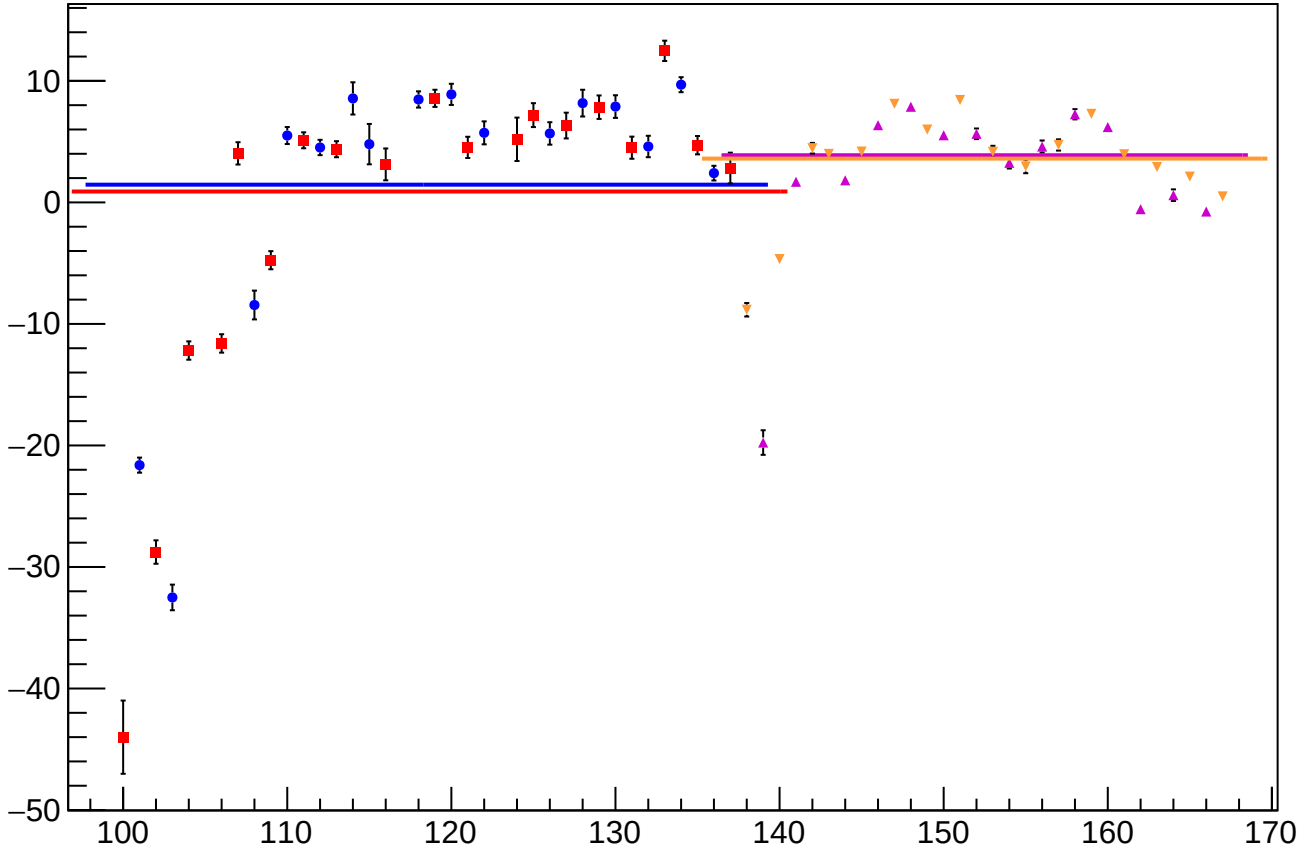
In: 0.449+/-0.006 χ^2/NDF:771.5/29

Out: 0.450+/-0.006 χ^2/NDF:1067.3/34

All: 0.449+/-0.004 χ^2/NDF: 1838.9/64


reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 1.412+/-0.183 χ²/NDF: 1522.1/15
Left Out: 12.368+/-0.132 χ²/NDF:2406.5/15
Right Out: -0.098+/-0.167 χ²/NDF: 1147.2/18
Left In: 12.092+/-0.140 χ²/NDF:2850.4/13
Left: 12.237+/-0.096 χ²/NDF: 5259.0/29
Right: 0.589+/-0.124 χ²/NDF: 2706.4/34
In: 8.159+/-0.111 χ²/NDF:6522.1/29
Out: 7.571+/-0.104 χ²/NDF:6965.6/34
All: 7.845+/-0.076 χ²/NDF: 13502.6/64

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.604+/-0.093 χ^2/NDF:1853.4/15

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 3.881+/-0.097 χ^2/NDF:1444.5/13

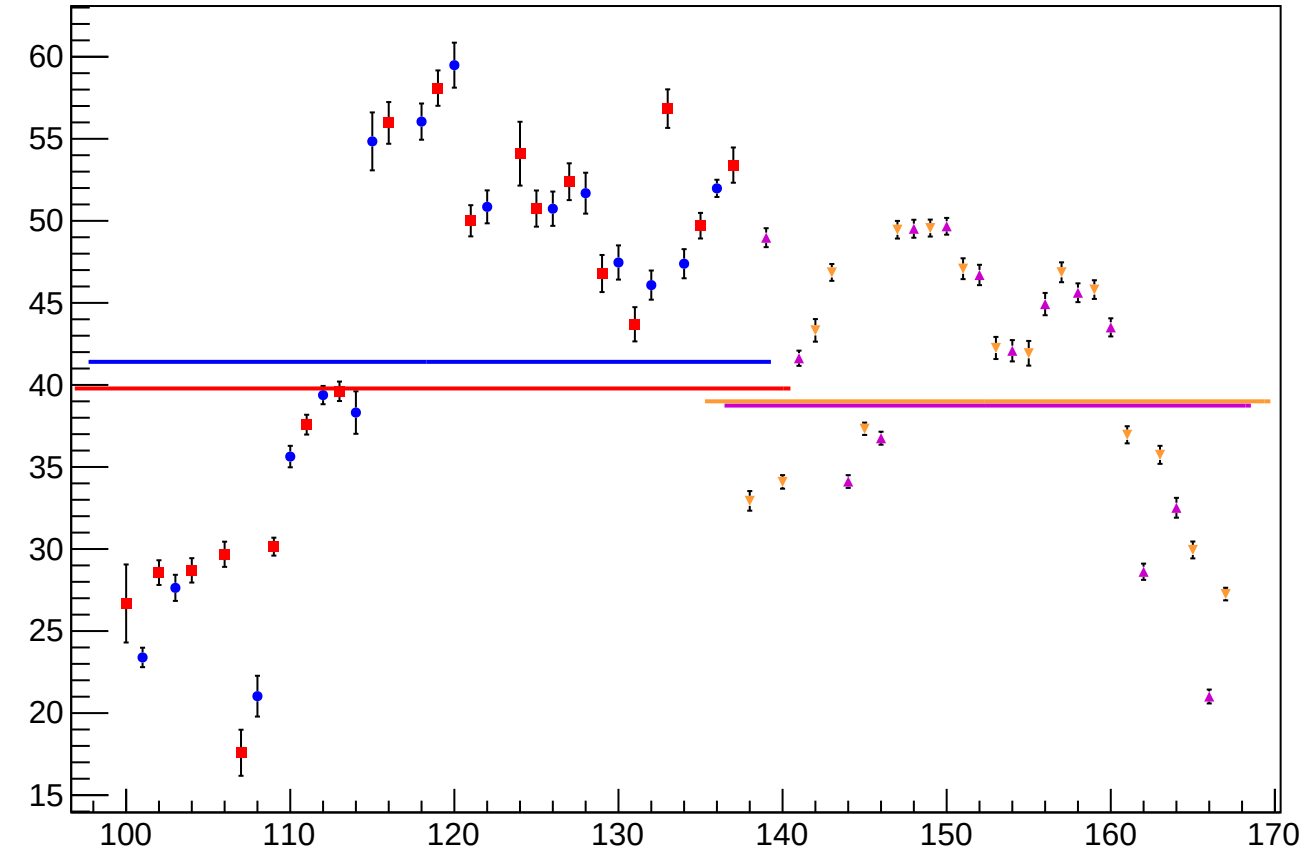
Left: 3.737+/-0.067 χ^2/NDF: 3302.1/29

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.431+/-0.088 χ^2/NDF:4640.2/29

Out: 3.127+/-0.085 χ^2/NDF:4378.5/34

All: 3.274+/-0.061 χ^2/NDF: 9024.9/64



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 39.001+/-0.131 χ^2/NDF:3136.4/15

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 38.742+/-0.136 χ^2/NDF:4134.9/13

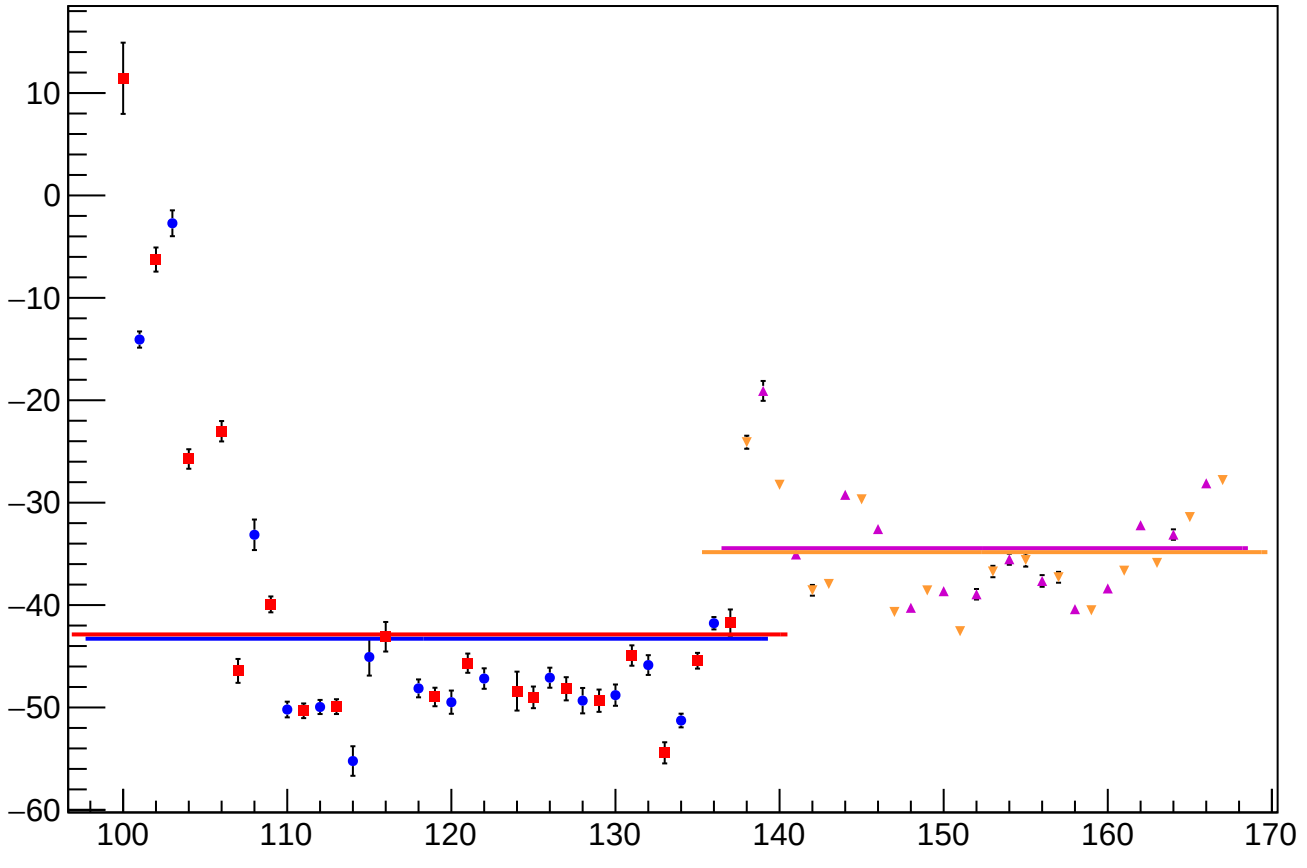
Left: 38.877+/-0.094 χ^2/NDF: 7273.2/29

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 39.530+/-0.115 χ^2/NDF:6993.6/29

Out: 39.230+/-0.110 χ^2/NDF:5800.8/34

All: 39.374+/-0.079 χ^2/NDF: 12798.0/64



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -34.832+/-0.108 χ^2/NDF:2248.1/15

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -34.447+/-0.113 χ^2/NDF:1570.0/13

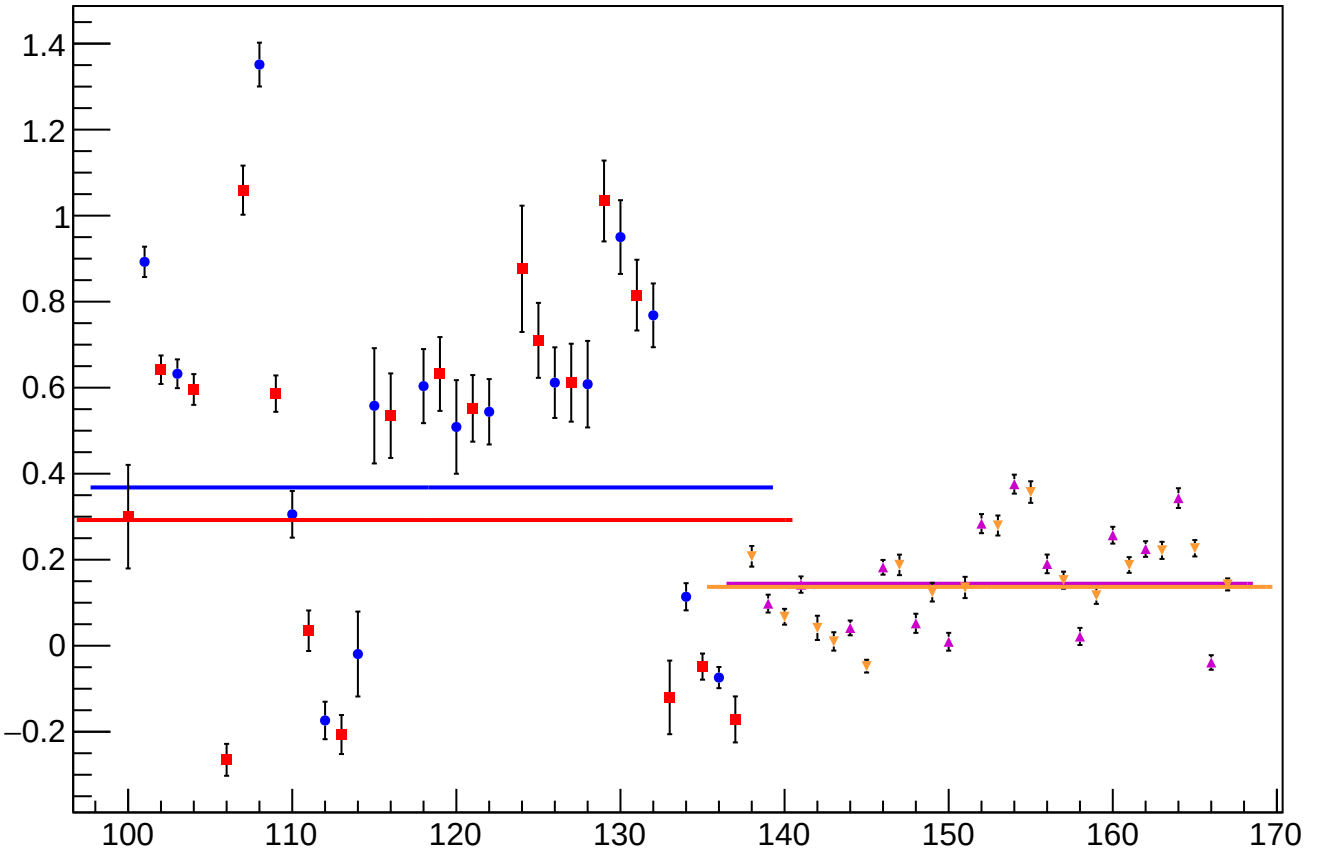
Left: -34.648+/-0.078 χ^2/NDF: 3824.2/29

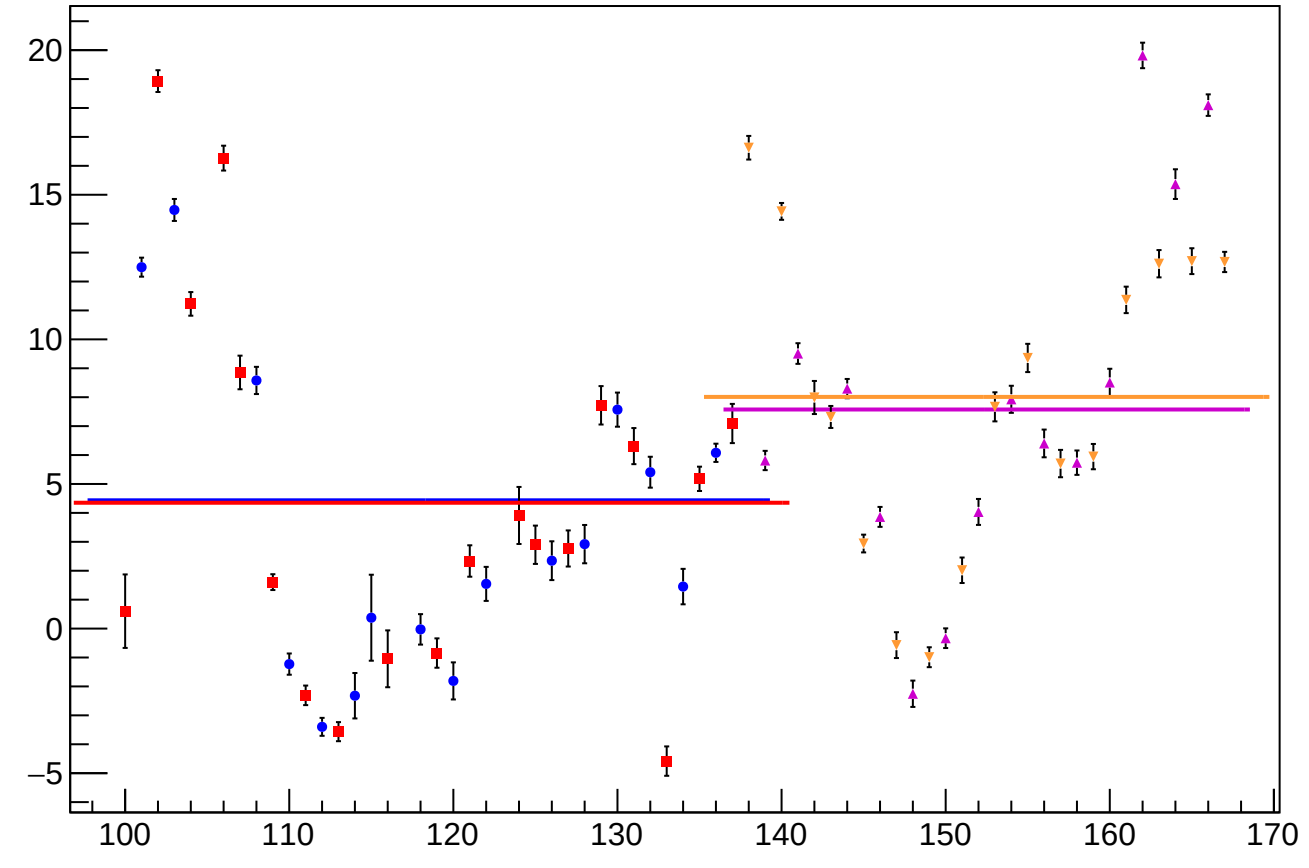
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -36.180+/-0.102 χ^2/NDF:5749.2/29

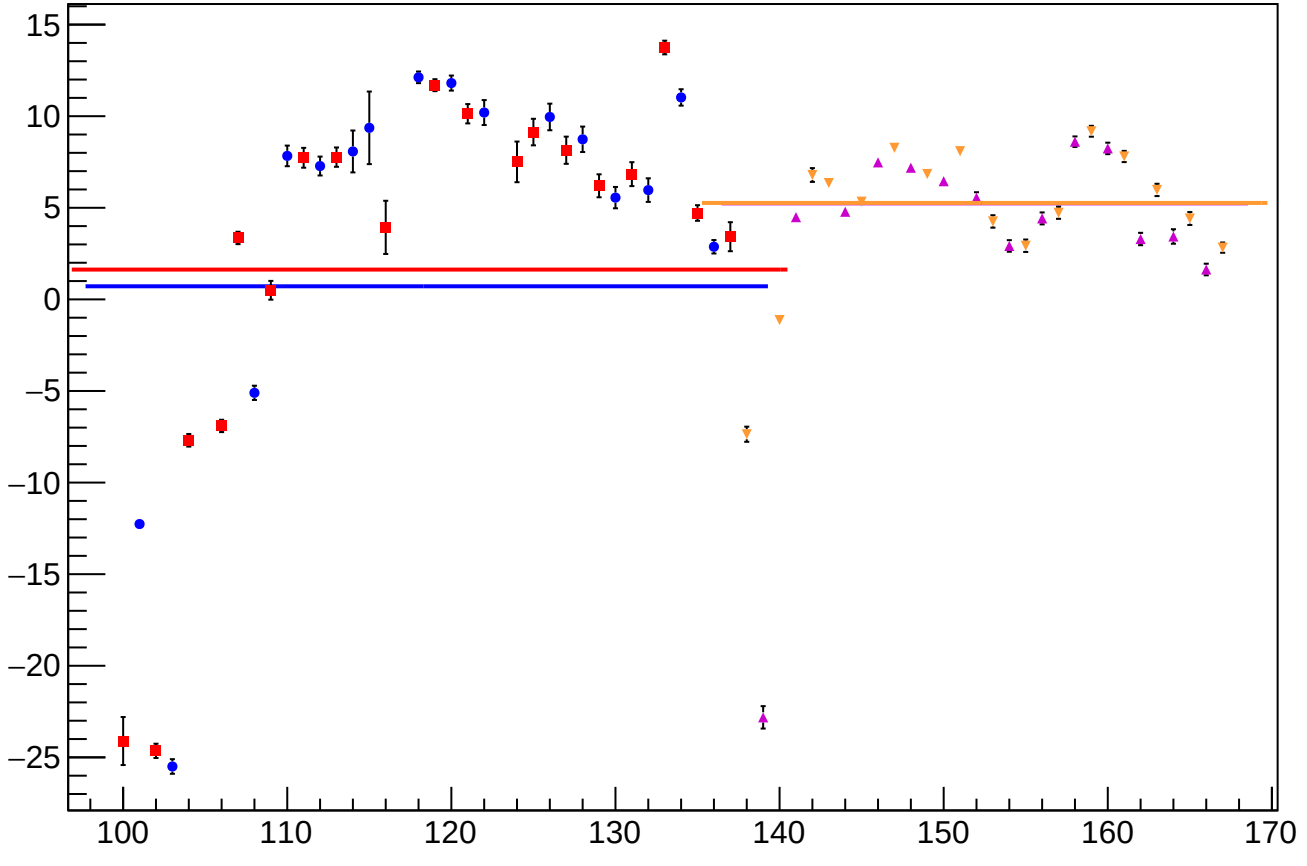
Out: -36.302+/-0.098 χ^2/NDF:5708.1/34

All: -36.243+/-0.070 χ^2/NDF: 11458.0/64


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
Right In: 0.368+/-0.012 χ²/NDF: 1320.9/15
Left Out: 0.137+/-0.005 χ²/NDF:392.3/15
Right Out: 0.292+/-0.012 χ²/NDF: 1199.2/18
Left In: 0.144+/-0.005 χ²/NDF:542.5/13
Left: 0.140+/-0.004 χ²/NDF: 935.8/29
Right: 0.330+/-0.009 χ²/NDF: 2539.6/34
In: 0.179+/-0.005 χ²/NDF:2147.2/29
Out: 0.159+/-0.005 χ²/NDF:1732.5/34
All: 0.169+/-0.003 χ²/NDF: 3888.5/64


reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 4.435+/-0.117 χ²/NDF: 2622.0/15
Left Out: 8.010+/-0.101 χ²/NDF:2933.9/15
Right Out: 4.351+/-0.109 χ²/NDF: 4205.3/18
Left In: 7.575+/-0.107 χ²/NDF:3077.0/13
Left: 7.804+/-0.074 χ²/NDF: 6019.6/29
Right: 4.390+/-0.080 χ²/NDF: 6827.6/34
In: 6.149+/-0.079 χ²/NDF:6092.4/29
Out: 6.314+/-0.074 χ²/NDF:7742.7/34
All: 6.236+/-0.054 χ²/NDF: 13837.4/64

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.265+/-0.071 χ^2/NDF:2424.0/15

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.241+/-0.076 χ^2/NDF:2808.4/13

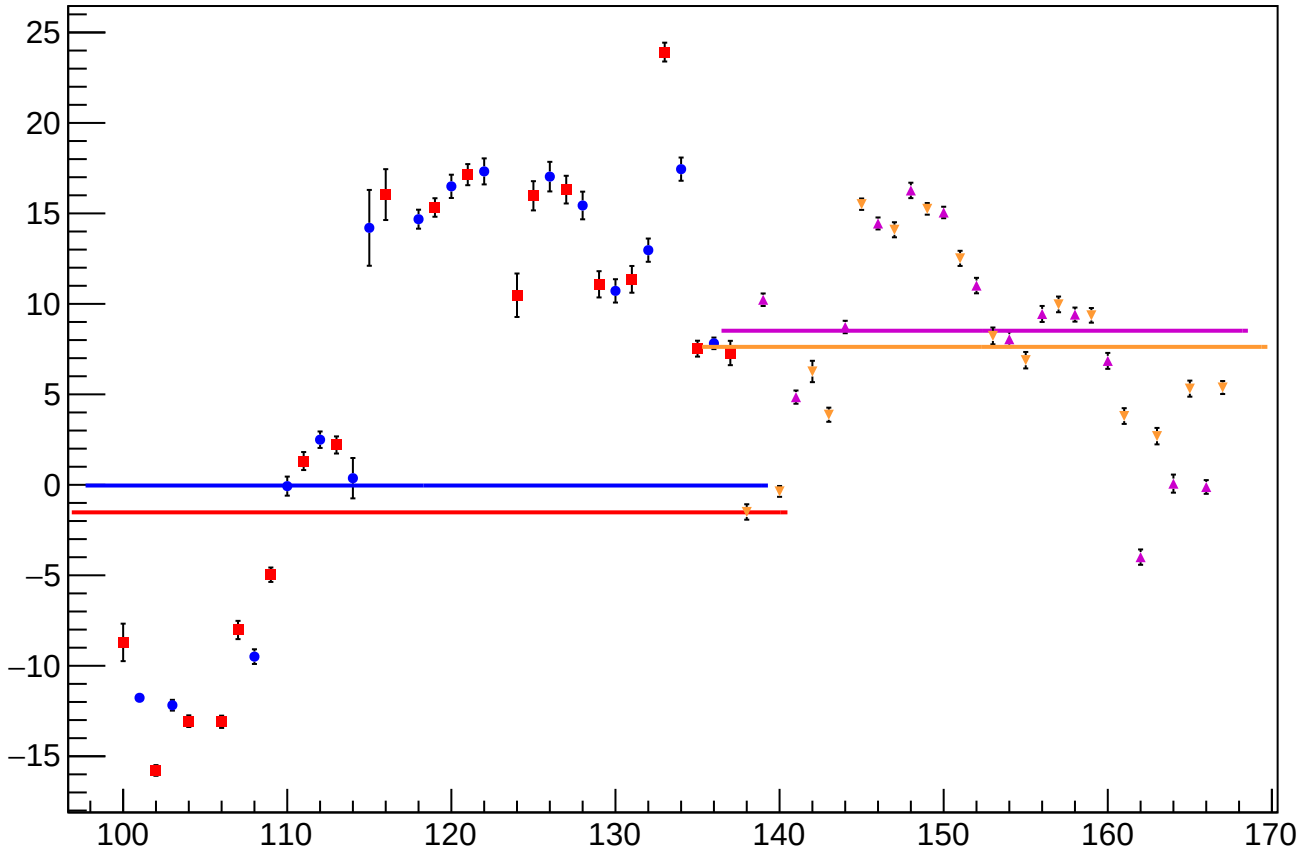
Left: 5.254+/-0.052 χ^2/NDF: 5232.4/29

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.884+/-0.063 χ^2/NDF:14330.0/29

Out: 4.200+/-0.060 χ^2/NDF:12438.9/34

All: 4.051+/-0.044 χ^2/NDF: 26781.9/64



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 7.624+/-0.099 χ^2/NDF:3143.8/15

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 8.516+/-0.104 χ^2/NDF:2931.6/13

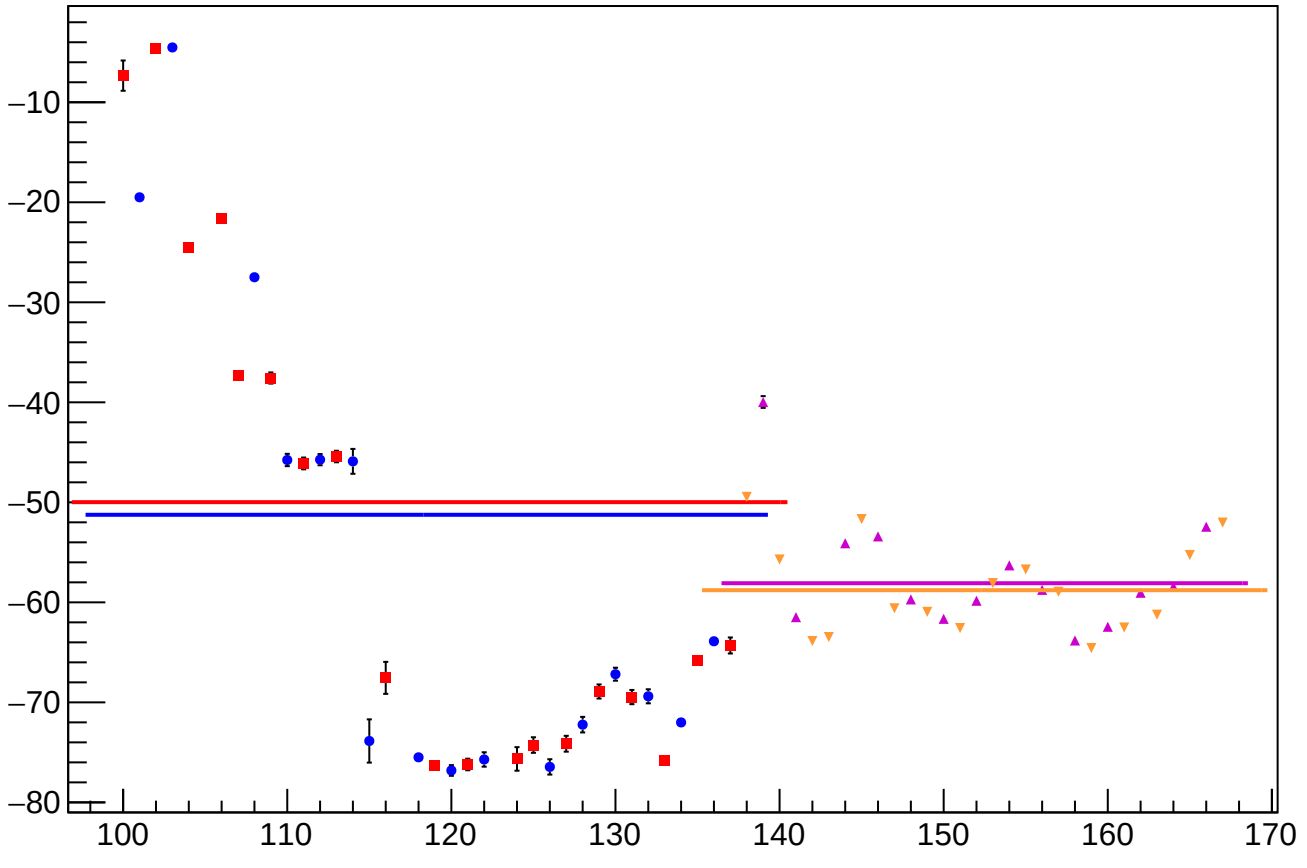
Left: 8.052+/-0.072 χ^2/NDF: 6113.9/29

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 4.836+/-0.078 χ^2/NDF:15132.1/29

Out: 3.714+/-0.075 χ^2/NDF:18888.5/34

All: 4.252+/-0.054 χ^2/NDF: 34127.4/64



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.785+/-0.083 χ^2/NDF:2817.6/15

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -58.087+/-0.088 χ^2/NDF:2657.6/13

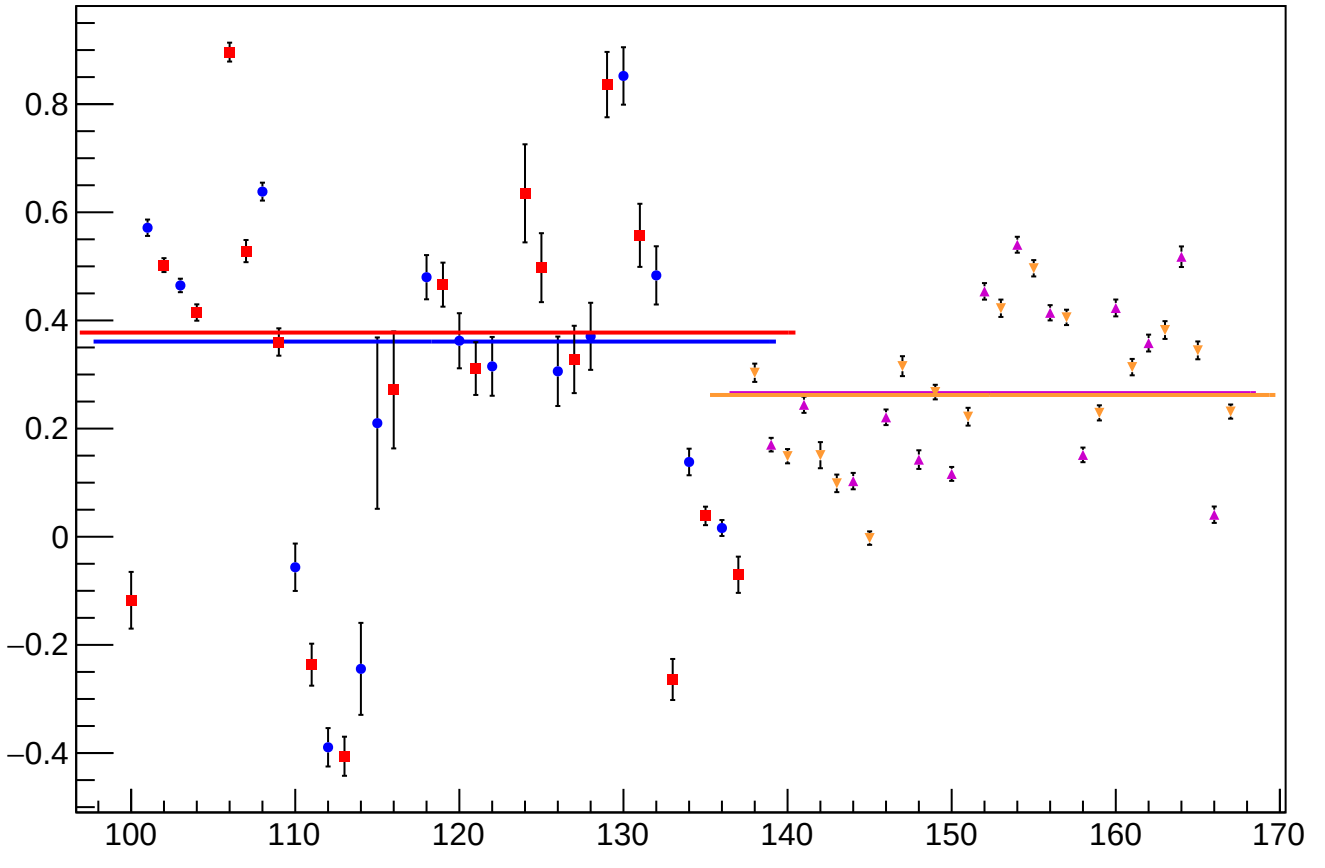
Left: -58.455+/-0.060 χ^2/NDF: 5508.6/29

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -56.073+/-0.074 χ^2/NDF:38214.6/29

Out: -56.254+/-0.070 χ^2/NDF:39942.3/34

All: -56.168+/-0.051 χ^2/NDF: 78160.1/64



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.262+/-0.004 χ^2/NDF:1210.6/15

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.266+/-0.004 χ^2/NDF:1583.5/13

Left: 0.264+/-0.003 χ^2/NDF: 2794.5/29

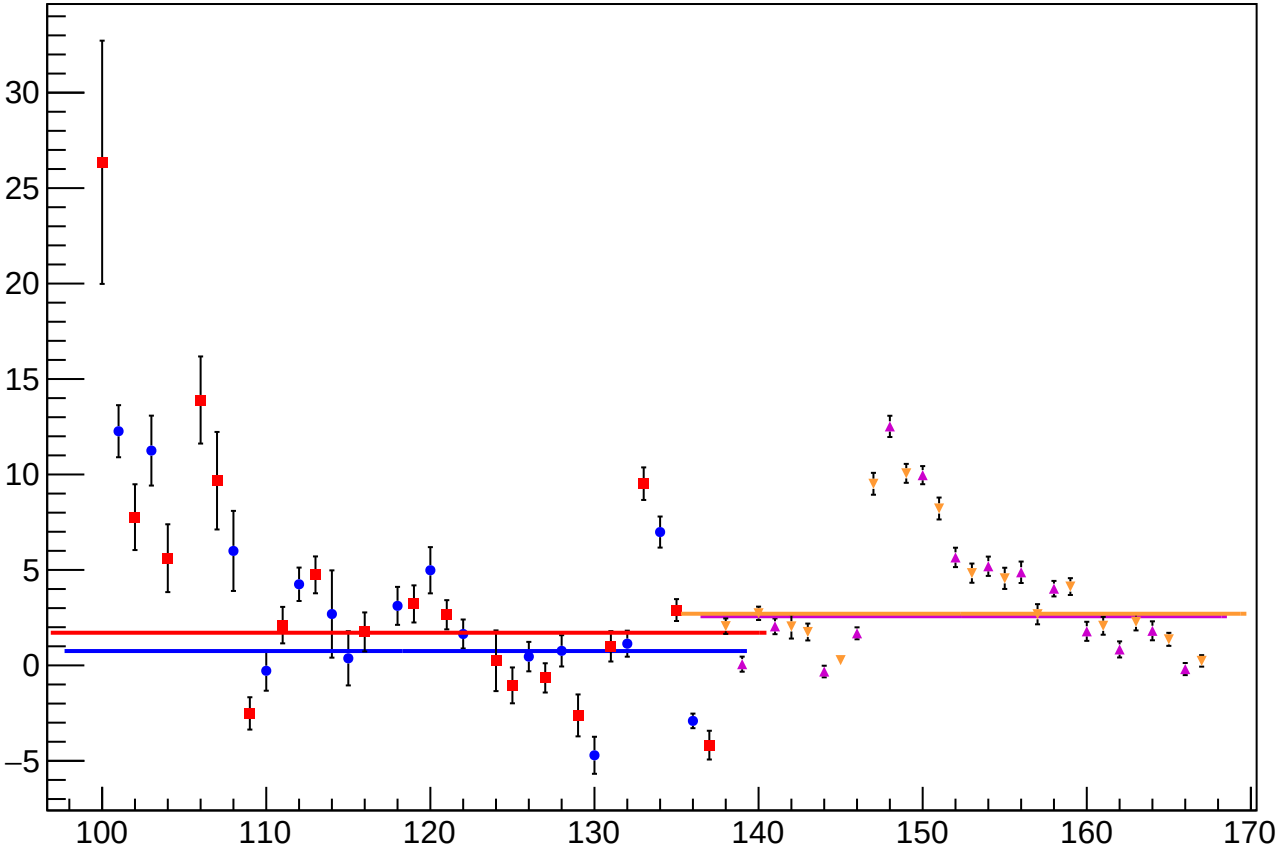
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.292+/-0.003 χ^2/NDF:3605.5/29

Out: 0.294+/-0.003 χ^2/NDF:4257.9/34

All: 0.293+/-0.002 χ^2/NDF: 7863.6/64

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.705+/-0.105 χ^2/NDF:671.9/15

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 2.574+/-0.111 χ^2/NDF:893.6/13

Left: 2.644+/-0.076 χ^2/NDF: 1566.2/29

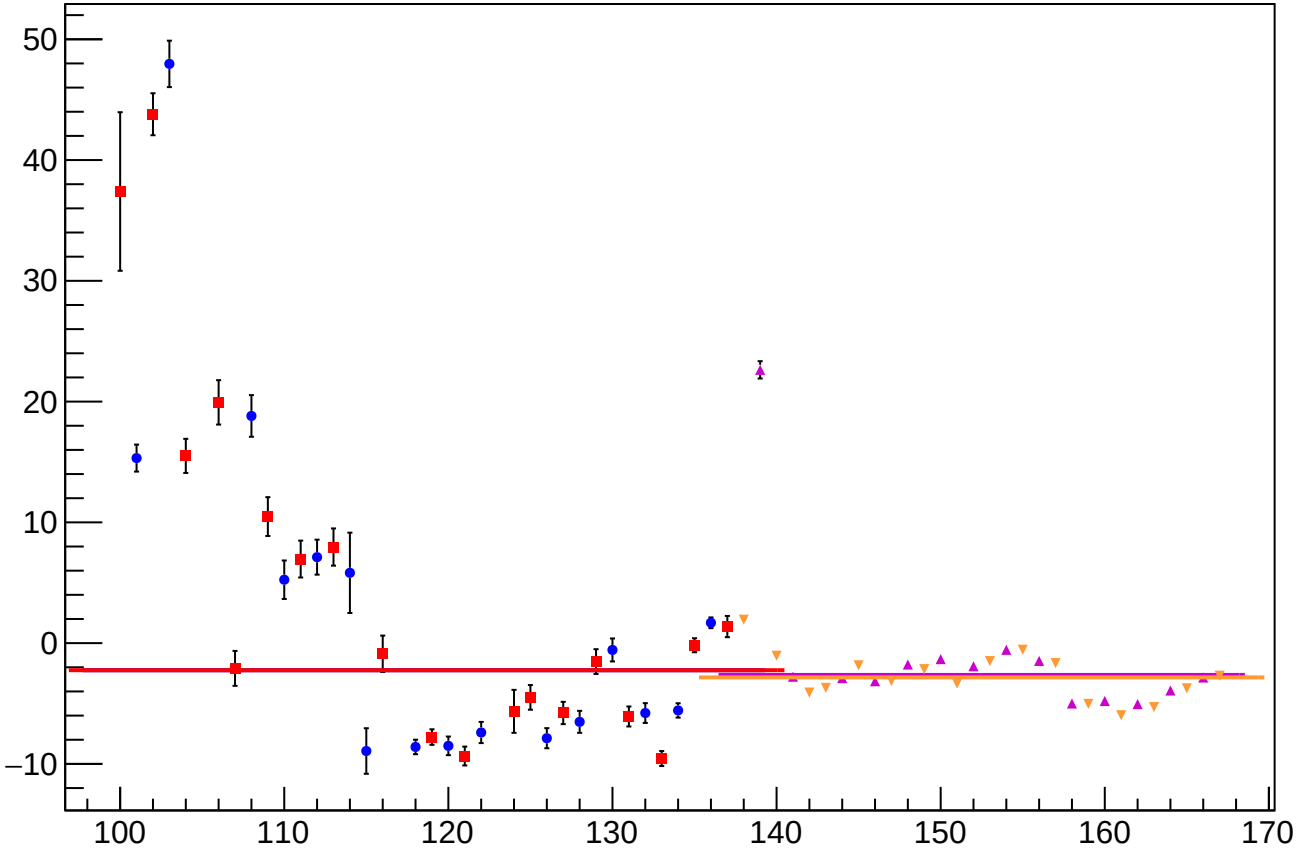
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.185+/-0.098 χ^2/NDF:1281.6/29

Out: 2.526+/-0.095 χ^2/NDF:982.1/34

All: 2.362+/-0.068 χ^2/NDF: 2269.9/64

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.839+/-0.076 χ^2/NDF:517.4/15

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.634+/-0.079 χ^2/NDF:1510.2/13

Left: -2.741+/-0.055 χ^2/NDF: 2031.2/29

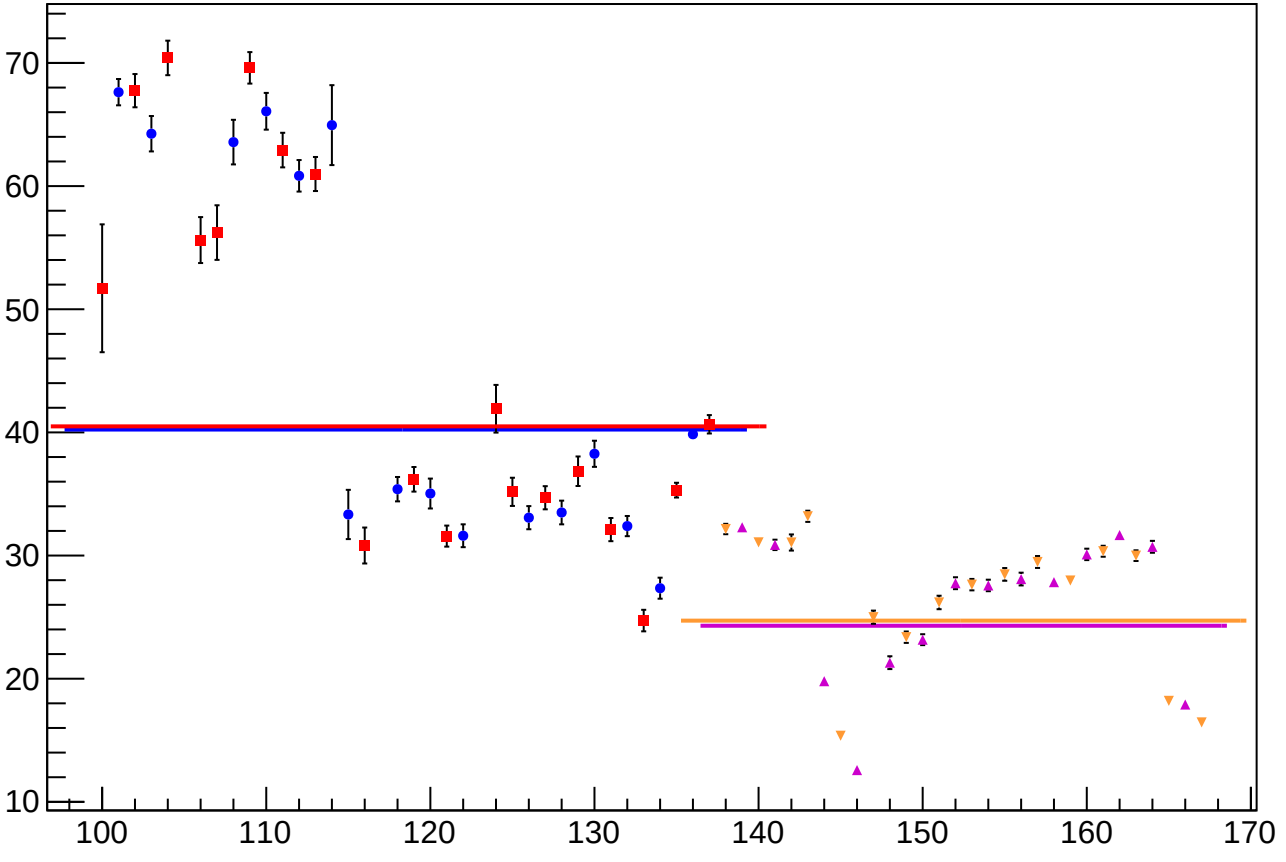
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.588+/-0.074 χ^2/NDF:3085.6/29

Out: -2.780+/-0.072 χ^2/NDF:2079.2/34

All: -2.687+/-0.052 χ^2/NDF: 5168.3/64

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 24.715+/-0.103 χ^2/NDF:3908.9/15

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 24.301+/-0.108 χ^2/NDF:3672.7/13

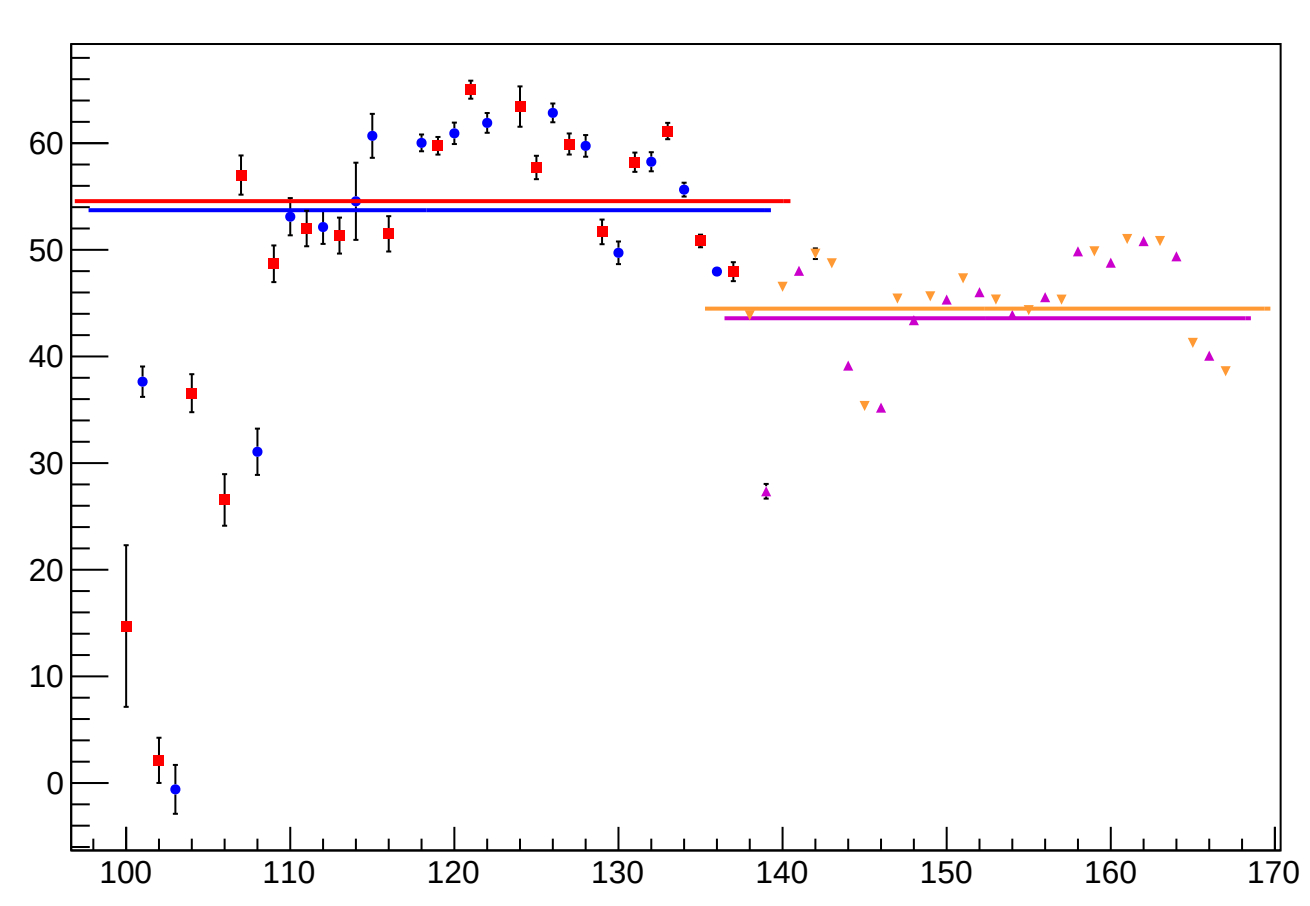
Left: 24.517+/-0.075 χ^2/NDF: 7589.2/29

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.149+/-0.098 χ^2/NDF:9855.0/29

Out: 27.009+/-0.095 χ^2/NDF:9997.9/34

All: 27.077+/-0.068 χ^2/NDF: 19853.9/64



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 44.486+/-0.086 χ^2/NDF:3382.5/15

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 43.583+/-0.091 χ^2/NDF:3815.2/13

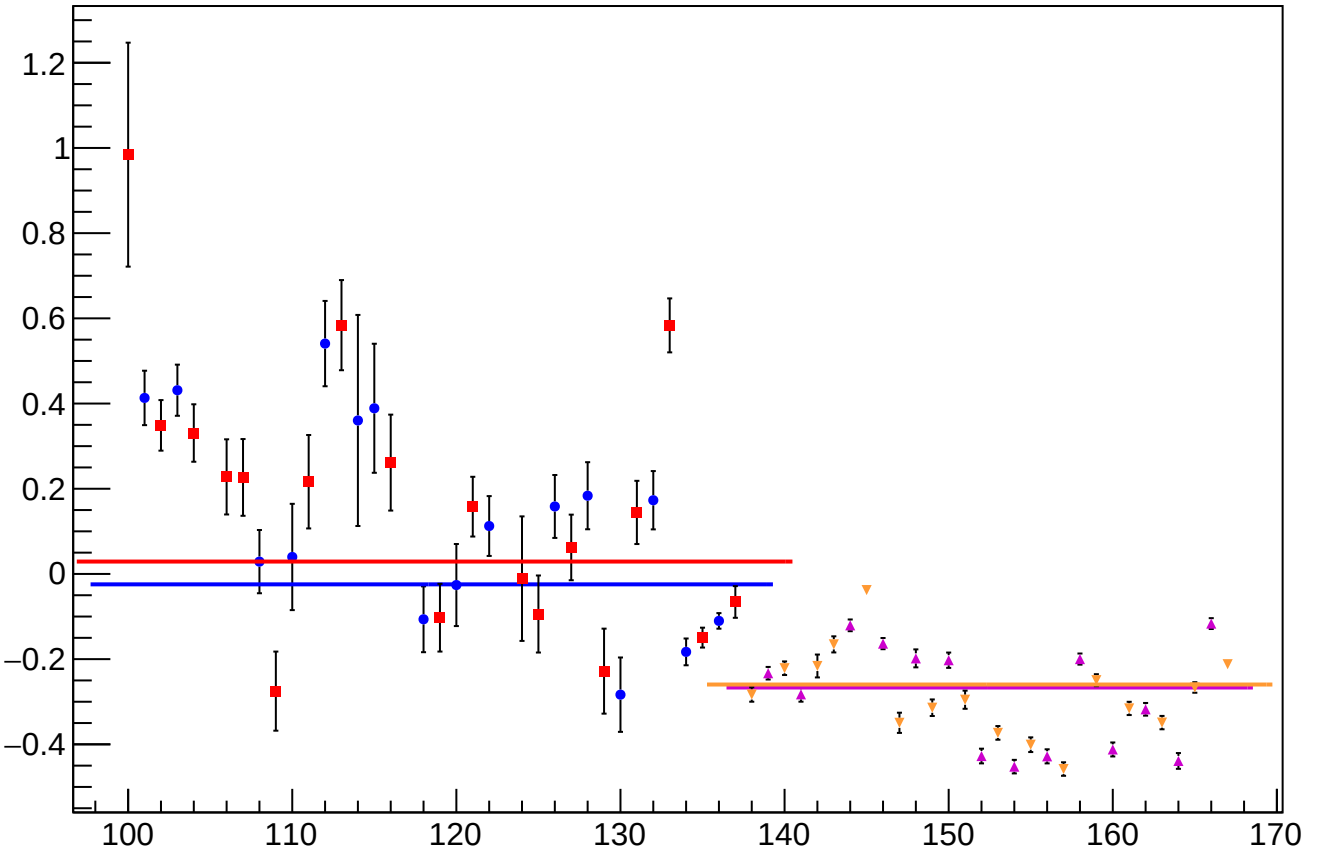
Left: 44.056+/-0.063 χ^2/NDF: 7249.8/29

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 44.856+/-0.085 χ^2/NDF:6749.2/29

Out: 45.515+/-0.082 χ^2/NDF:6115.4/34

All: 45.197+/-0.059 χ^2/NDF: 12895.9/64



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.260+/-0.004 χ^2/NDF:821.2/15

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.267+/-0.004 χ^2/NDF:863.2/13

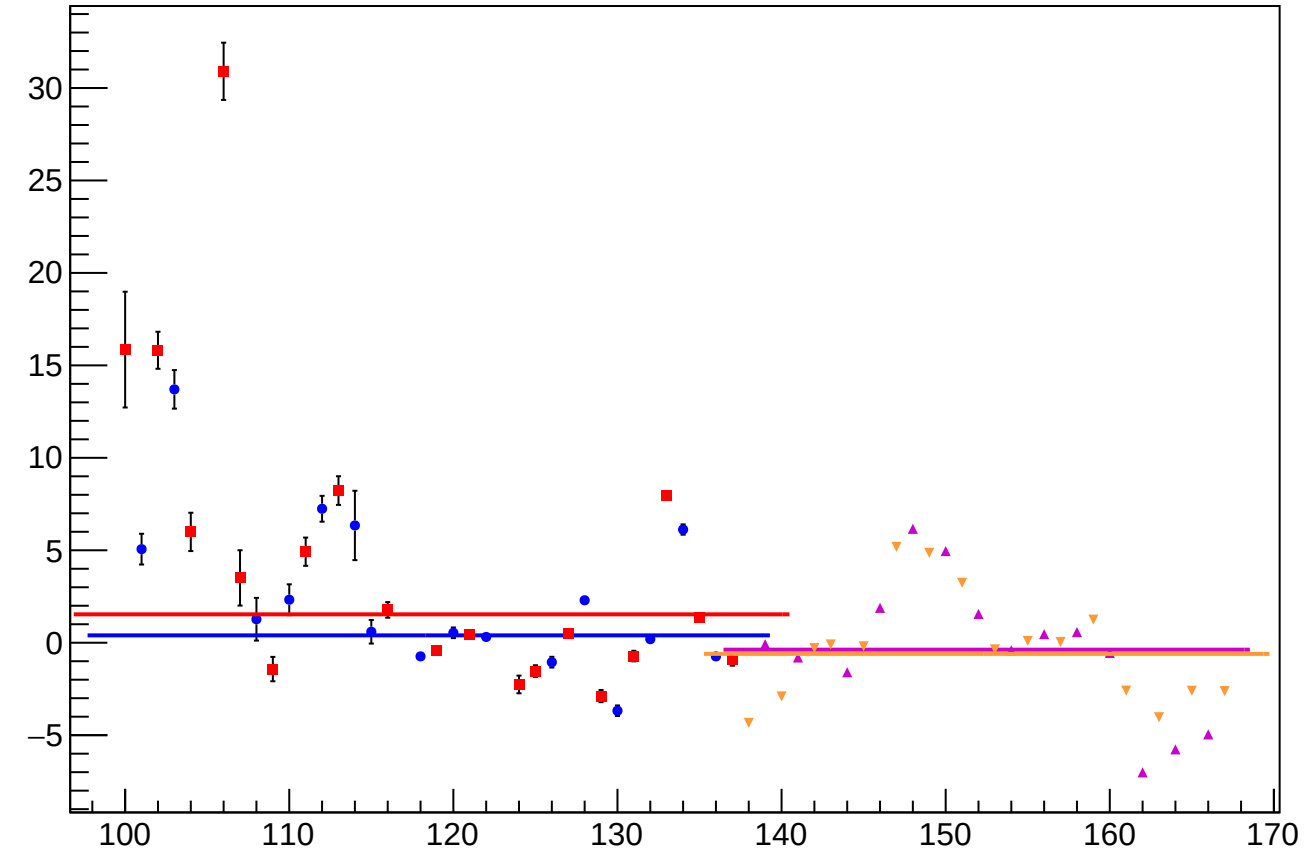
Left: -0.263+/-0.003 χ^2/NDF: 1685.9/29

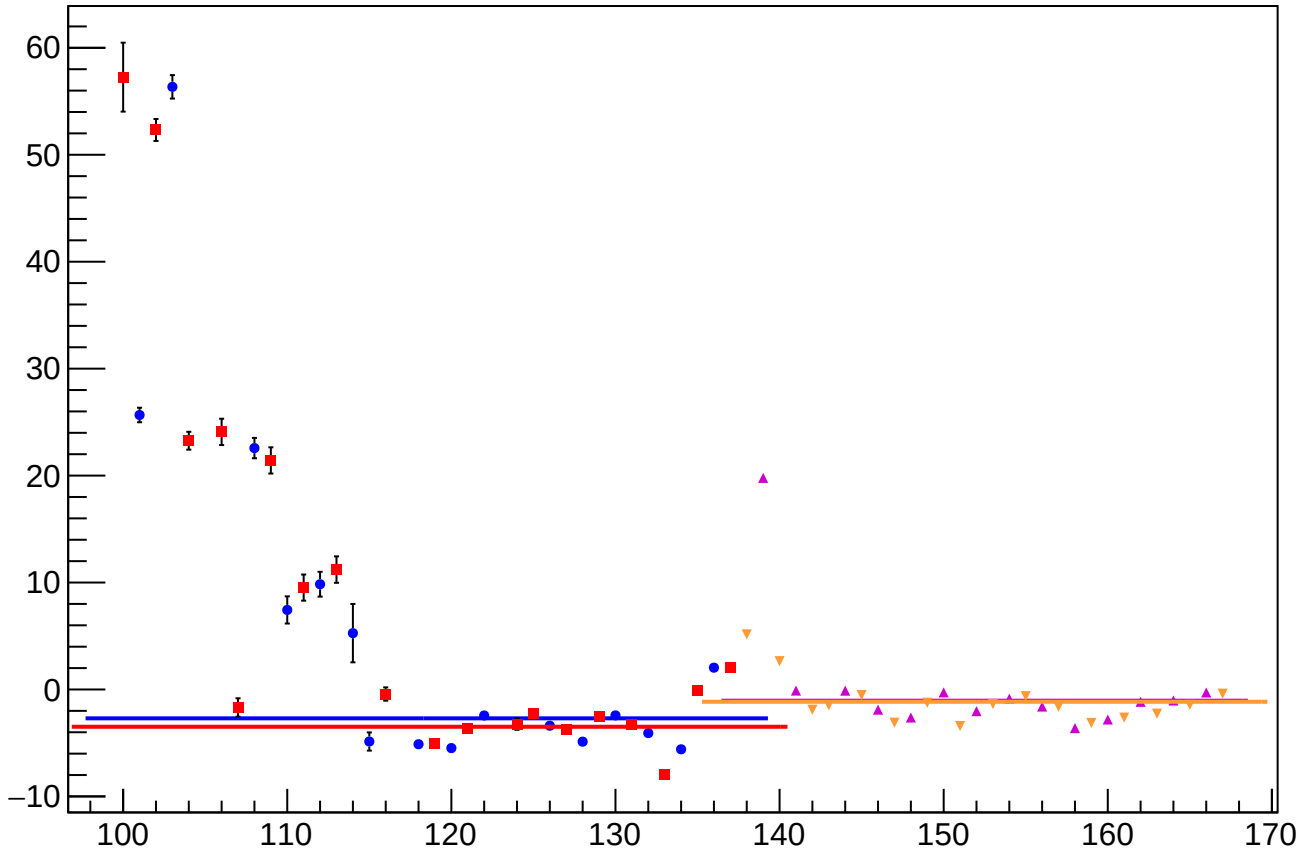
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.244+/-0.004 χ^2/NDF:1416.8/29

Out: -0.239+/-0.004 χ^2/NDF:1479.5/34

All: -0.241+/-0.003 χ^2/NDF: 2896.9/64


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.398+/-0.077 χ²/NDF: 1097.4/15
Left Out: -0.603+/-0.040 χ²/NDF:4424.5/15
Right Out: 1.536+/-0.078 χ²/NDF: 2411.2/18
Left In: -0.375+/-0.042 χ²/NDF:6368.1/13
Left: -0.494+/-0.029 χ²/NDF: 10808.1/29
Right: 0.959+/-0.055 χ²/NDF: 3615.8/34
In: -0.200+/-0.037 χ²/NDF:7543.4/29
Out: -0.158+/-0.036 χ²/NDF:7428.2/34
All: -0.178+/-0.026 χ²/NDF: 14972.3/64



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.149+/-0.029 χ^2/NDF:4251.3/15

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.047+/-0.030 χ^2/NDF:8121.3/13

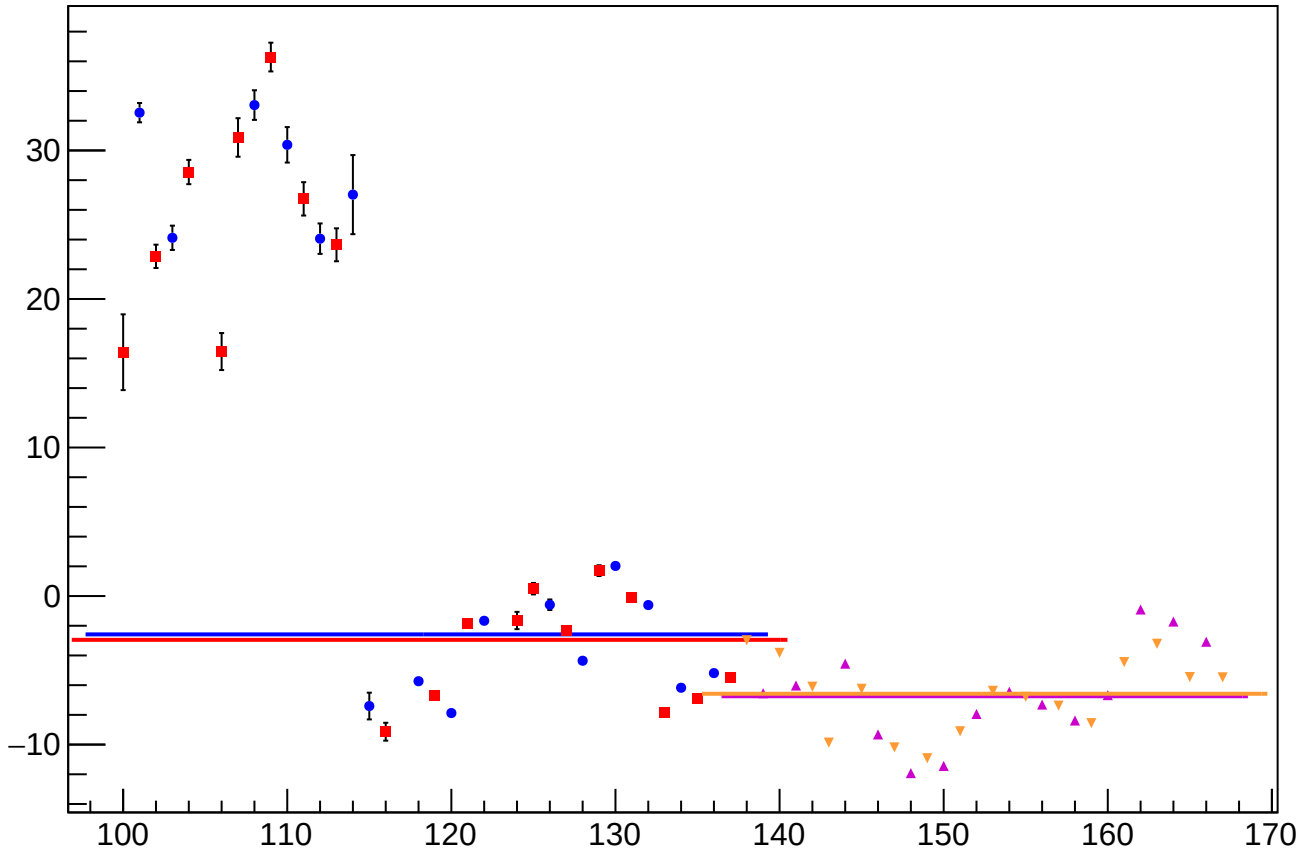
Left: -1.100+/-0.021 χ^2/NDF: 12378.6/29

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.295+/-0.027 χ^2/NDF:15688.6/29

Out: -1.481+/-0.027 χ^2/NDF:12344.3/34

All: -1.390+/-0.019 χ^2/NDF: 28056.4/64



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.579+/-0.040 χ^2/NDF:3537.4/15

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.747+/-0.041 χ^2/NDF:5541.7/13

Left: -6.660+/-0.028 χ^2/NDF: 9087.8/29

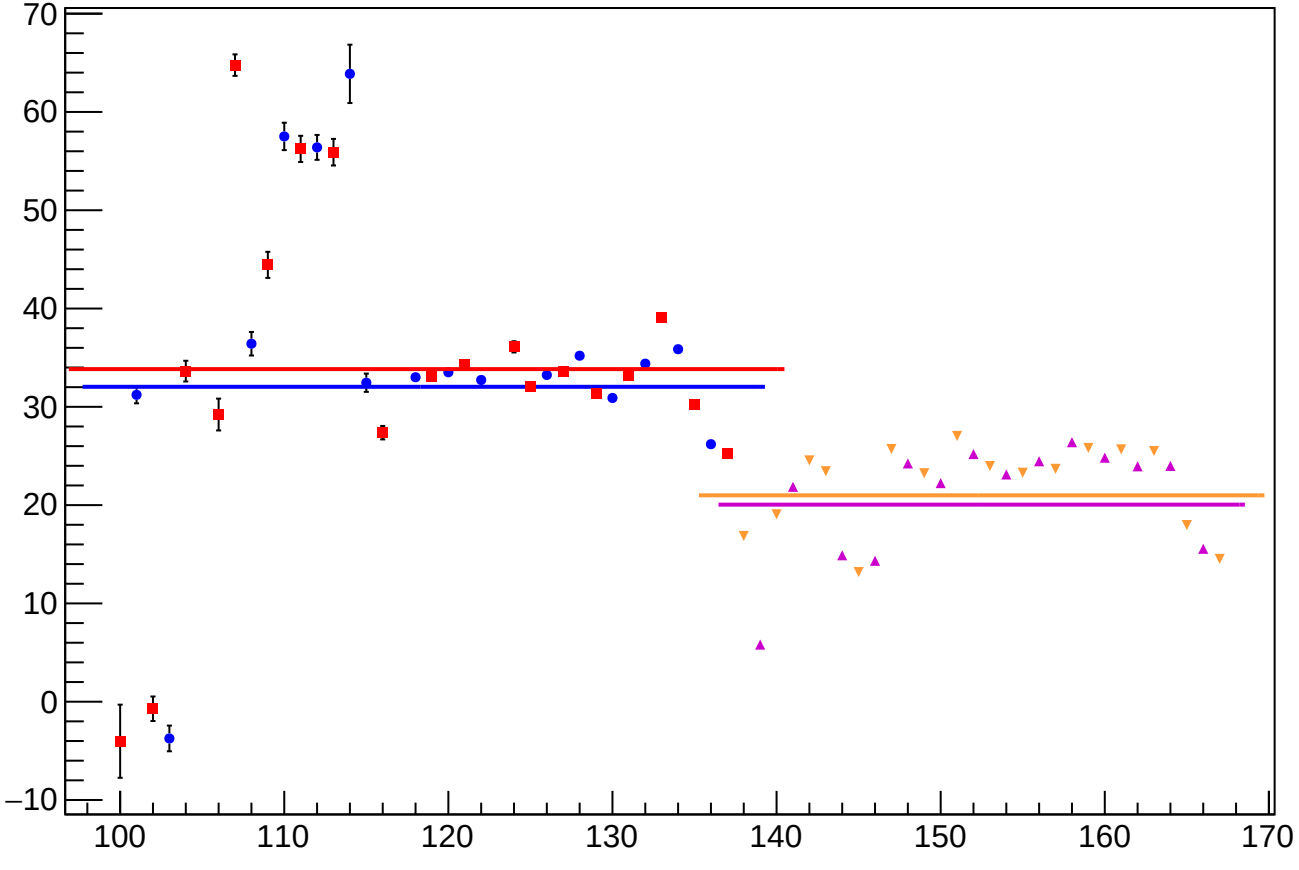
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.939+/-0.037 χ^2/NDF:15726.9/29

Out: -5.931+/-0.036 χ^2/NDF:13235.0/34

All: -5.935+/-0.026 χ^2/NDF: 28961.9/64

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 20.996+/-0.033 χ^2/NDF:21189.5/15

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 20.048+/-0.034 χ^2/NDF:20721.5/13

Left: 20.538+/-0.024 χ^2/NDF: 42302.2/29

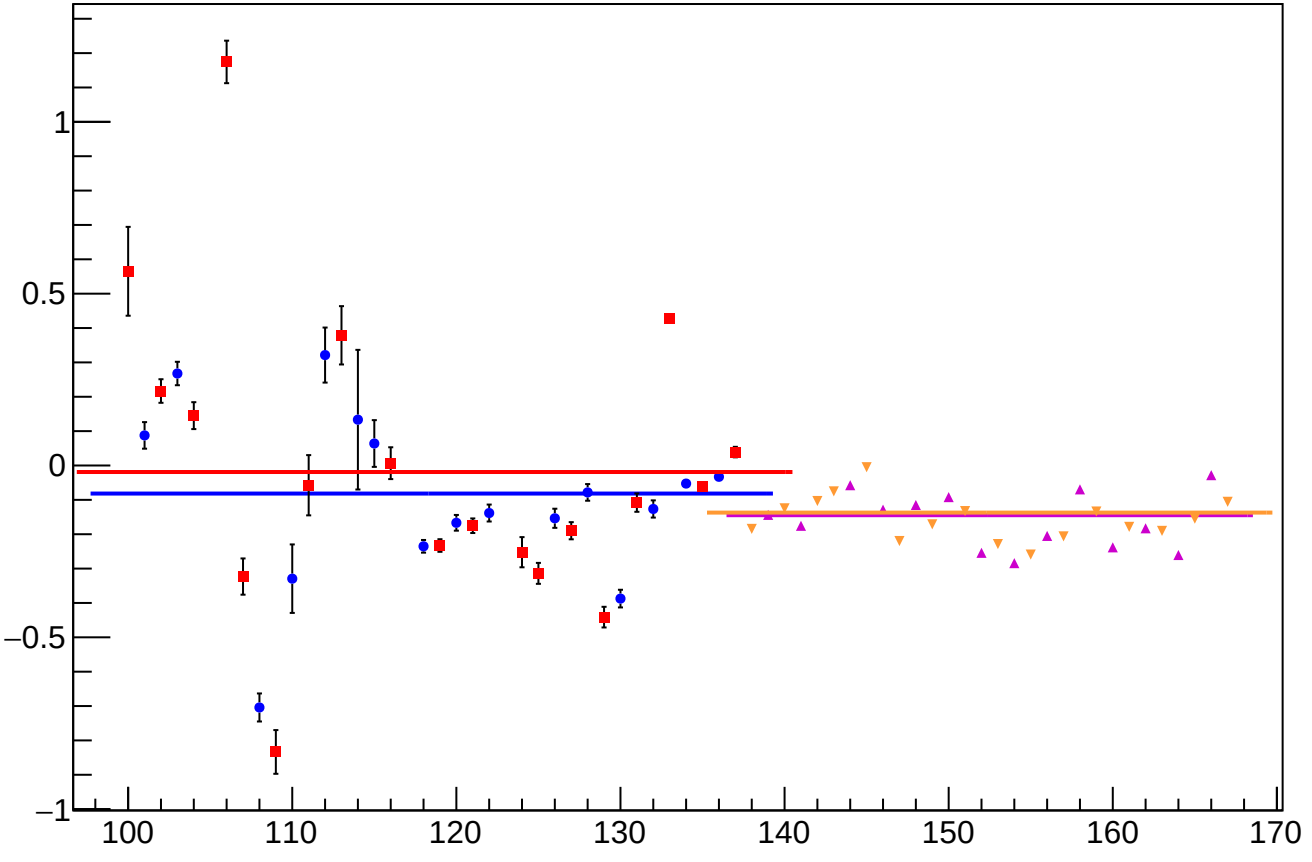
Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 21.875+/-0.032 χ^2/NDF:42418.9/29

Out: 22.830+/-0.031 χ^2/NDF:46646.3/34

All: 22.366+/-0.022 χ^2/NDF: 89530.5/64

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.137+/-0.002 χ^2/NDF:2211.8/15

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.145+/-0.002 χ^2/NDF:2408.3/13

Left: -0.141+/-0.001 χ^2/NDF: 4632.2/29

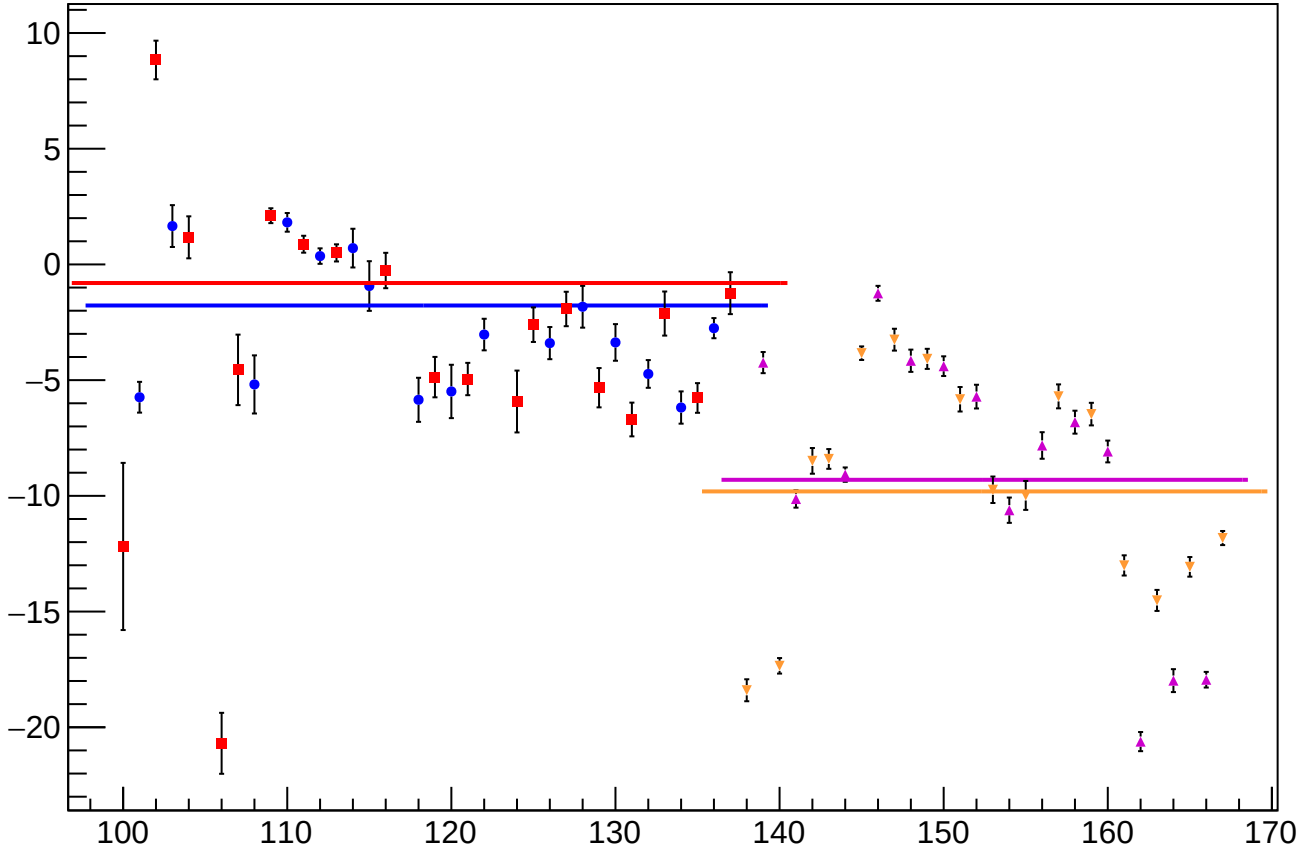
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.139+/-0.002 χ^2/NDF:3251.2/29

Out: -0.128+/-0.001 χ^2/NDF:4961.0/34

All: -0.133+/-0.001 χ^2/NDF: 8238.6/64

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.808+/-0.107 χ^2/NDF:2061.4/15

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -9.307+/-0.112 χ^2/NDF:2800.1/13

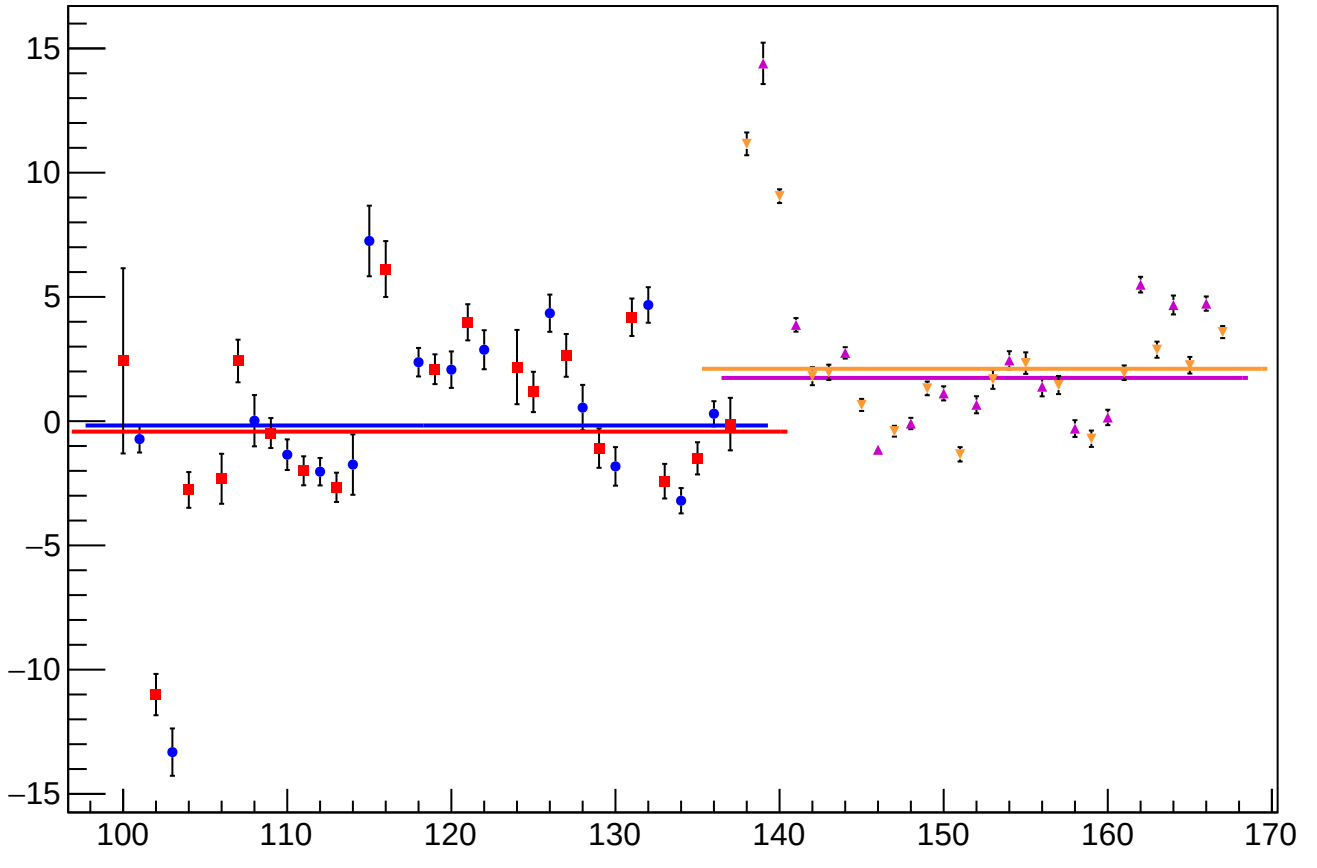
Left: -9.569+/-0.078 χ^2/NDF: 4872.0/29

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -6.757+/-0.091 χ^2/NDF:4617.8/29

Out: -6.719+/-0.087 χ^2/NDF:5217.0/34

All: -6.737+/-0.063 χ^2/NDF: 9834.9/64



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.108+/-0.076 χ^2/NDF:1459.9/15

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.740+/-0.078 χ^2/NDF:988.2/13

Left: 1.931+/-0.054 χ^2/NDF: 2459.5/29

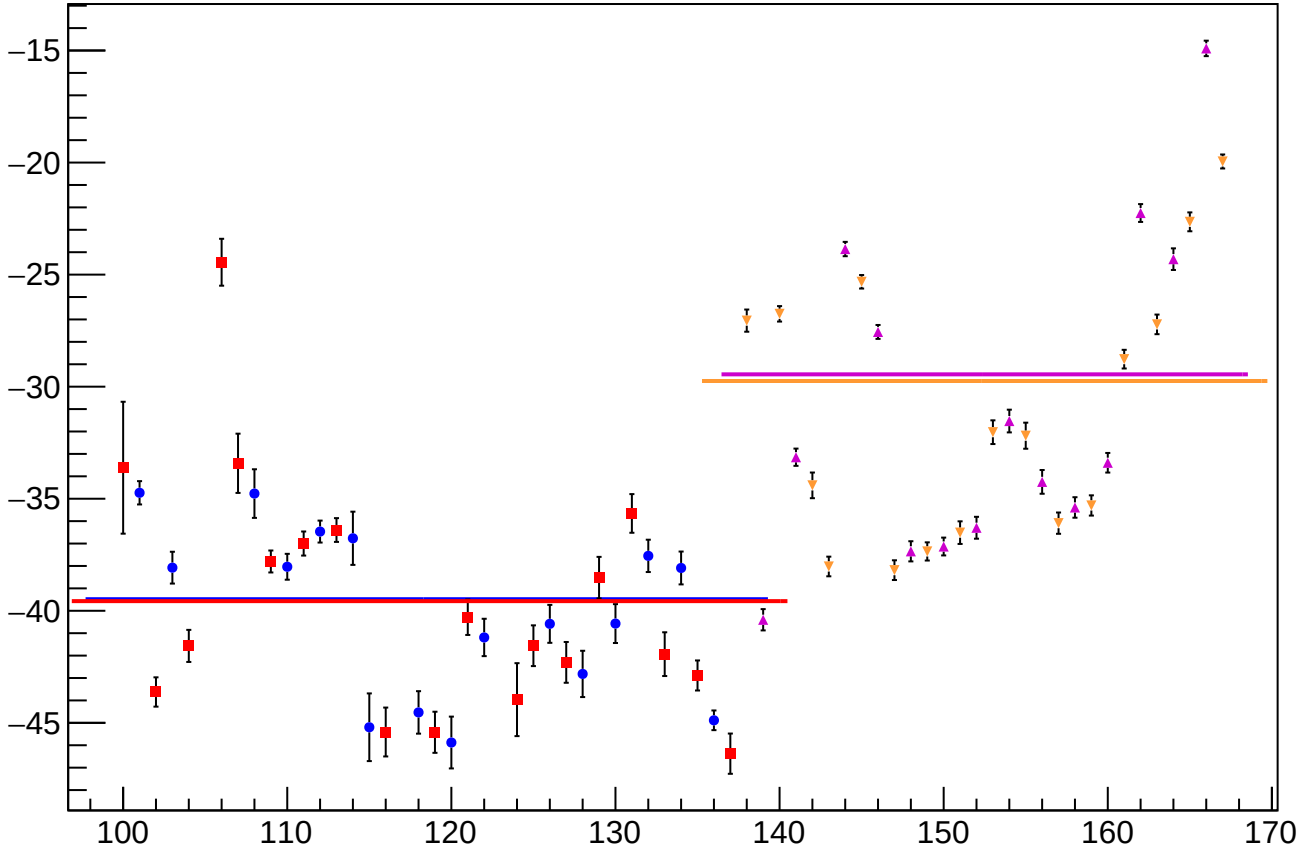
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.414+/-0.071 χ^2/NDF:1492.9/29

Out: 1.719+/-0.070 χ^2/NDF:1998.6/34

All: 1.571+/-0.050 χ^2/NDF: 3500.9/64

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -29.747+/-0.106 χ^2/NDF:3315.8/15

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -29.450+/-0.110 χ^2/NDF:4411.0/13

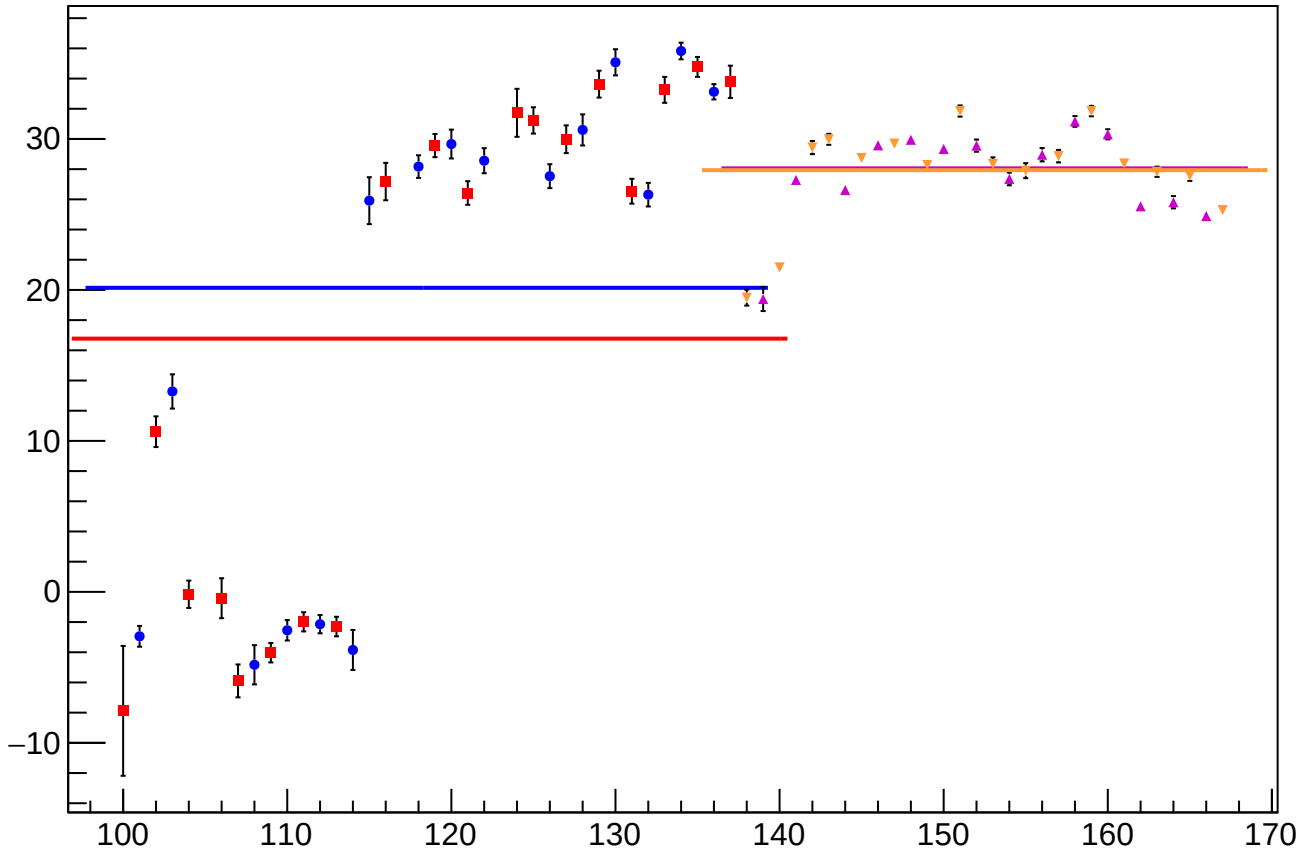
Left: -29.604+/-0.076 χ^2/NDF: 7730.7/29

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -32.159+/-0.094 χ^2/NDF:7083.2/29

Out: -32.242+/-0.091 χ^2/NDF:6067.0/34

All: -32.201+/-0.065 χ^2/NDF: 13150.5/64



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.932+/-0.088 χ^2/NDF:1065.5/15

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.054+/-0.091 χ^2/NDF:579.7/13

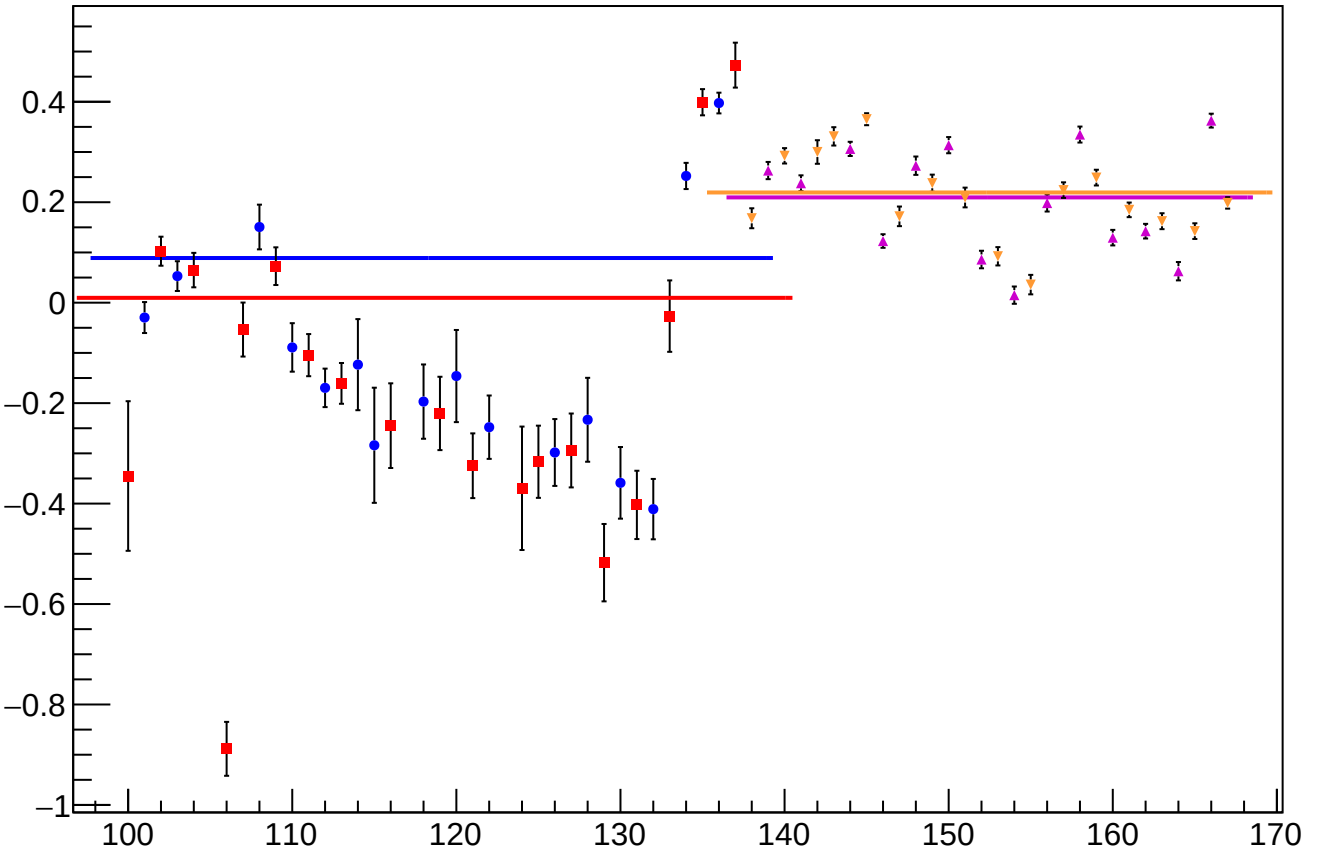
Left: 27.991+/-0.063 χ^2/NDF: 1646.1/29

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.634+/-0.082 χ^2/NDF:8619.8/29

Out: 26.135+/-0.080 χ^2/NDF:10423.1/34

All: 26.377+/-0.057 χ^2/NDF: 19061.7/64



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.219+/-0.004 χ^2/NDF:423.2/15

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.210+/-0.004 χ^2/NDF:630.1/13

Left: 0.215+/-0.003 χ^2/NDF: 1056.2/29

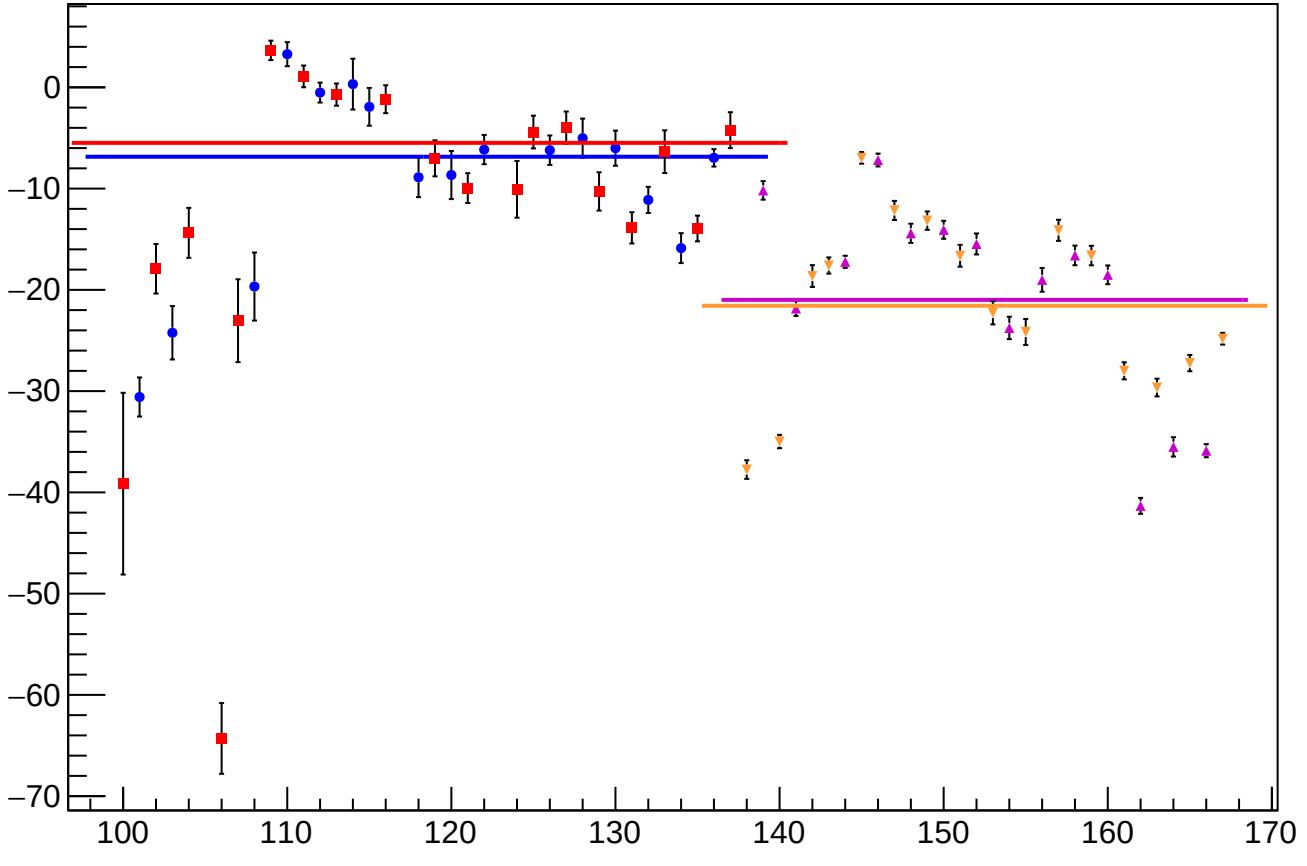
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.193+/-0.004 χ^2/NDF:1309.3/29

Out: 0.195+/-0.004 χ^2/NDF:1577.8/34

All: 0.194+/-0.003 χ^2/NDF: 2887.3/64

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -21.570+/-0.210 χ^2/NDF:1909.5/15

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -20.988+/-0.221 χ^2/NDF:2250.7/13

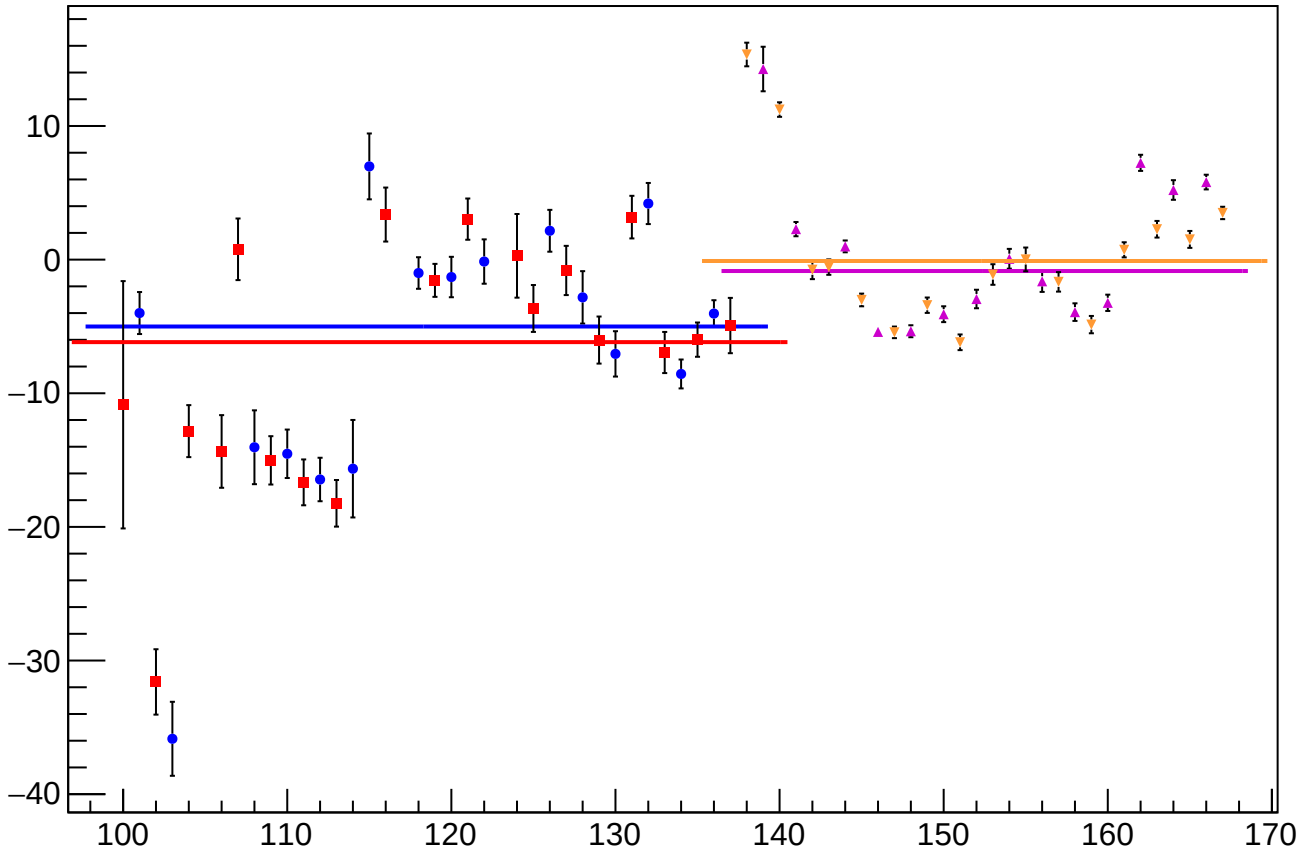
Left: -21.294+/-0.152 χ^2/NDF: 4163.8/29

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -17.354+/-0.190 χ^2/NDF:3693.0/29

Out: -17.638+/-0.182 χ^2/NDF:3952.2/34

All: -17.502+/-0.132 χ^2/NDF: 7646.3/64



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.102+/-0.148 χ^2/NDF:1213.2/15

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -0.853+/-0.154 χ^2/NDF:855.6/13

Left: -0.464+/-0.107 χ^2/NDF: 2081.1/29

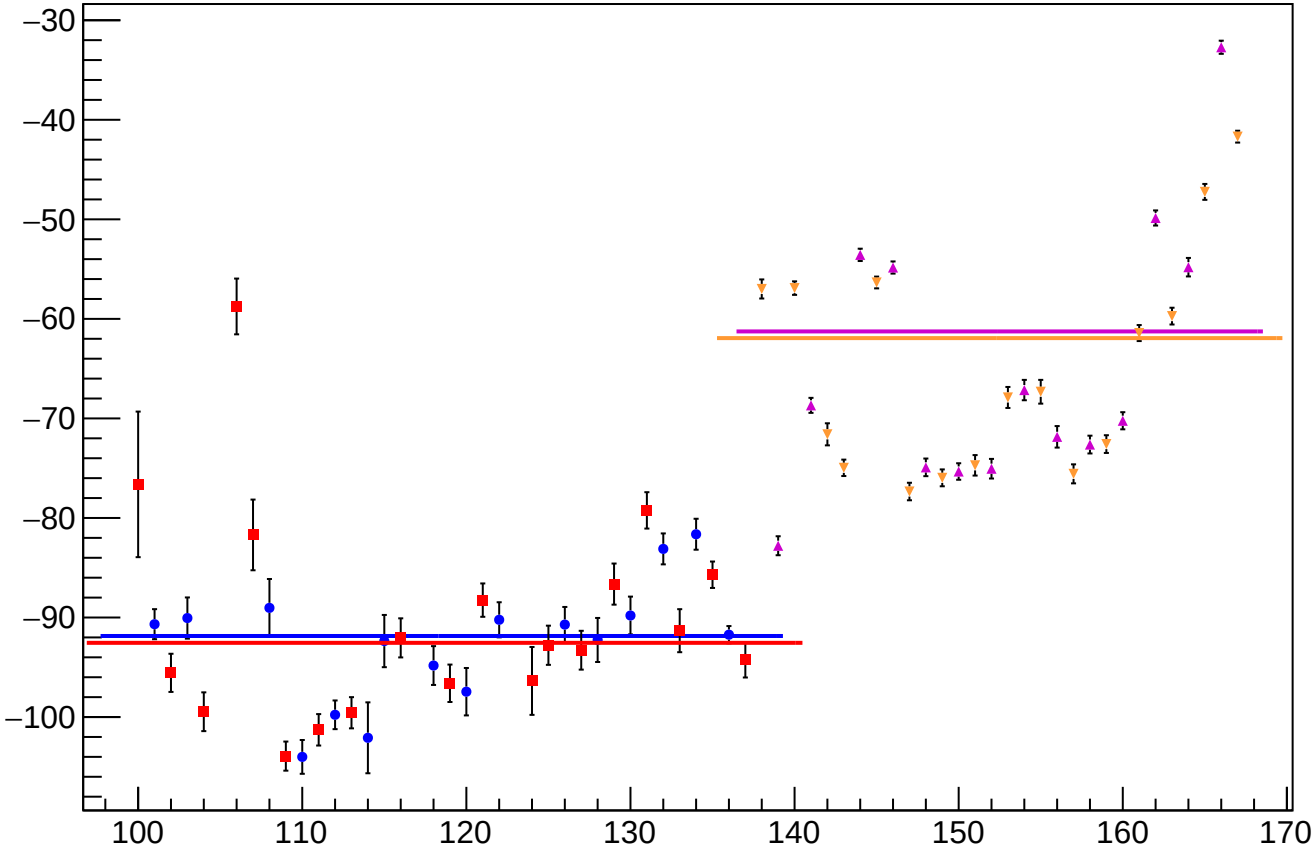
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -1.398+/-0.143 χ^2/NDF:1293.1/29

Out: -0.786+/-0.140 χ^2/NDF:1770.8/34

All: -1.085+/-0.100 χ^2/NDF: 3073.3/64

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -61.932+/-0.207 χ^2/NDF:3129.1/15

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -61.260+/-0.216 χ^2/NDF:4134.8/13

Left: -61.609+/-0.149 χ^2/NDF: 7269.0/29

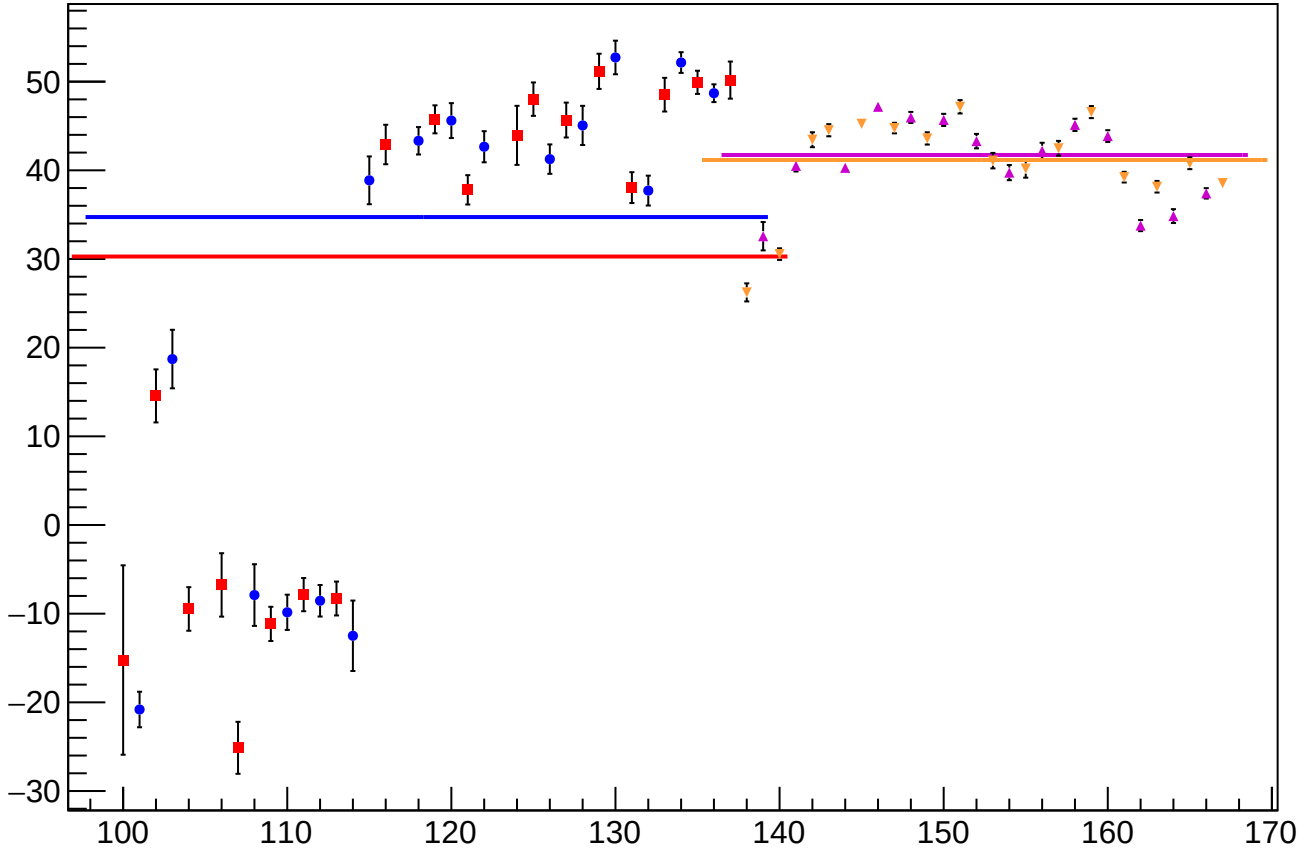
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -67.547+/-0.192 χ^2/NDF:8448.4/29

Out: -67.501+/-0.187 χ^2/NDF:7490.4/34

All: -67.523+/-0.134 χ^2/NDF: 15938.8/64

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.164+/-0.172 χ^2/NDF:801.5/15

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 41.729+/-0.179 χ^2/NDF:593.3/13

Left: 41.435+/-0.124 χ^2/NDF: 1400.0/29

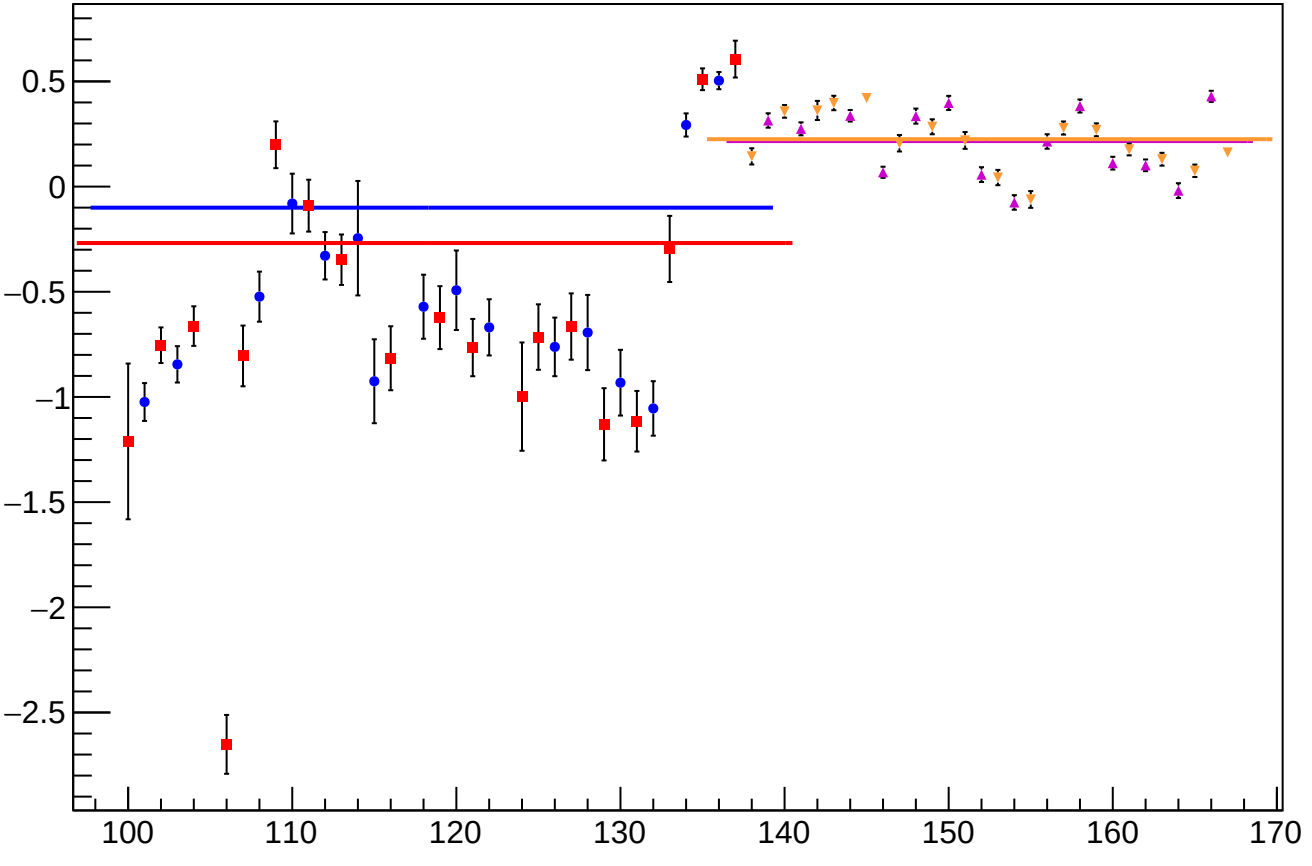
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.745+/-0.166 χ^2/NDF:3618.1/29

Out: 39.870+/-0.161 χ^2/NDF:4191.2/34

All: 40.295+/-0.116 χ^2/NDF: 7823.6/64

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.225+/-0.008 χ^2/NDF:259.0/15

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.216+/-0.008 χ^2/NDF:360.3/13

Left: 0.221+/-0.006 χ^2/NDF: 619.9/29

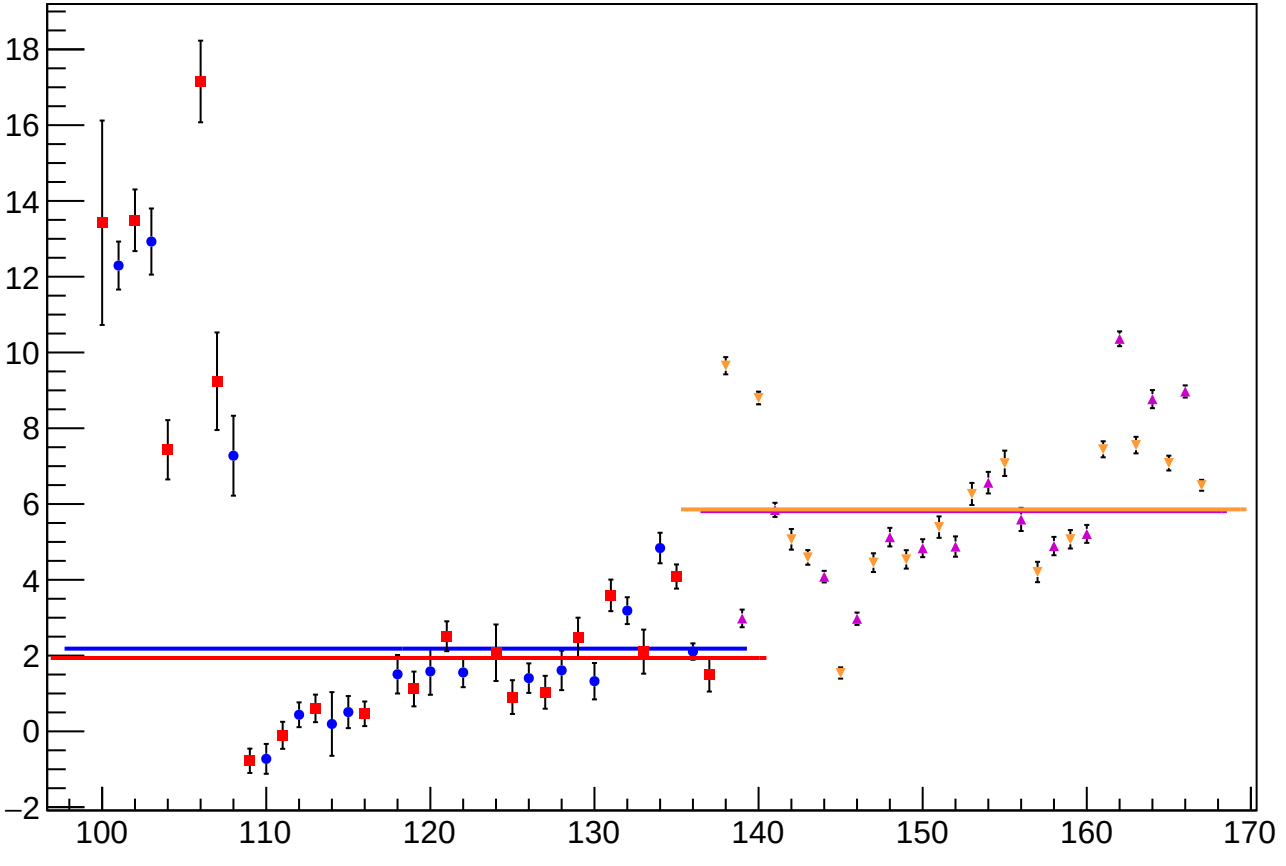
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.182+/-0.008 χ^2/NDF:1146.8/29

Out: 0.185+/-0.008 χ^2/NDF:1403.6/34

All: 0.184+/-0.005 χ^2/NDF: 2550.5/64

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.859+/-0.053 χ^2/NDF:1782.9/15

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.812+/-0.056 χ^2/NDF:1723.7/13

Left: 5.837+/-0.039 χ^2/NDF: 3507.0/29

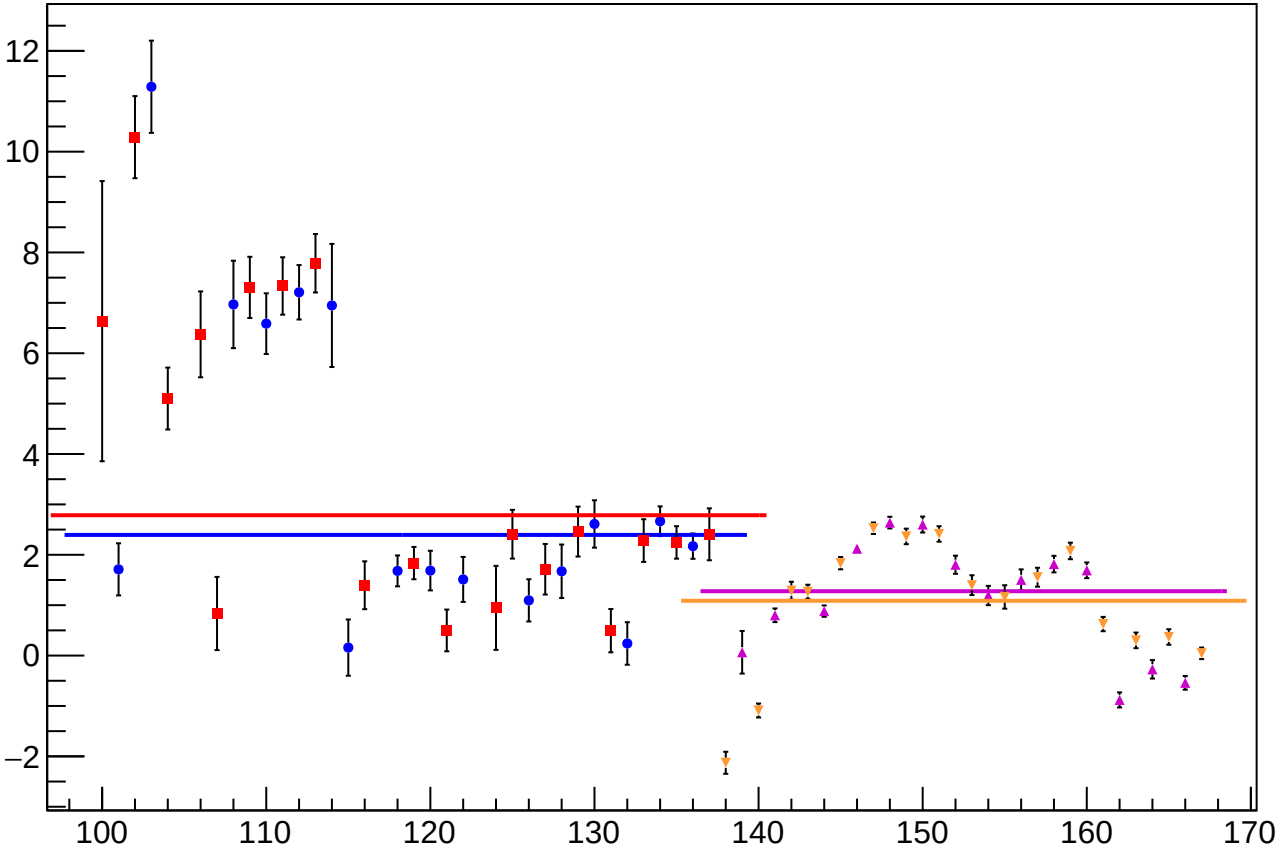
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 5.003+/-0.050 χ^2/NDF:3251.2/29

Out: 5.066+/-0.047 χ^2/NDF:3603.5/34

All: 5.036+/-0.034 χ^2/NDF: 6855.6/64

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.087+/-0.038 χ^2/NDF:993.6/15

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.277+/-0.039 χ^2/NDF:805.3/13

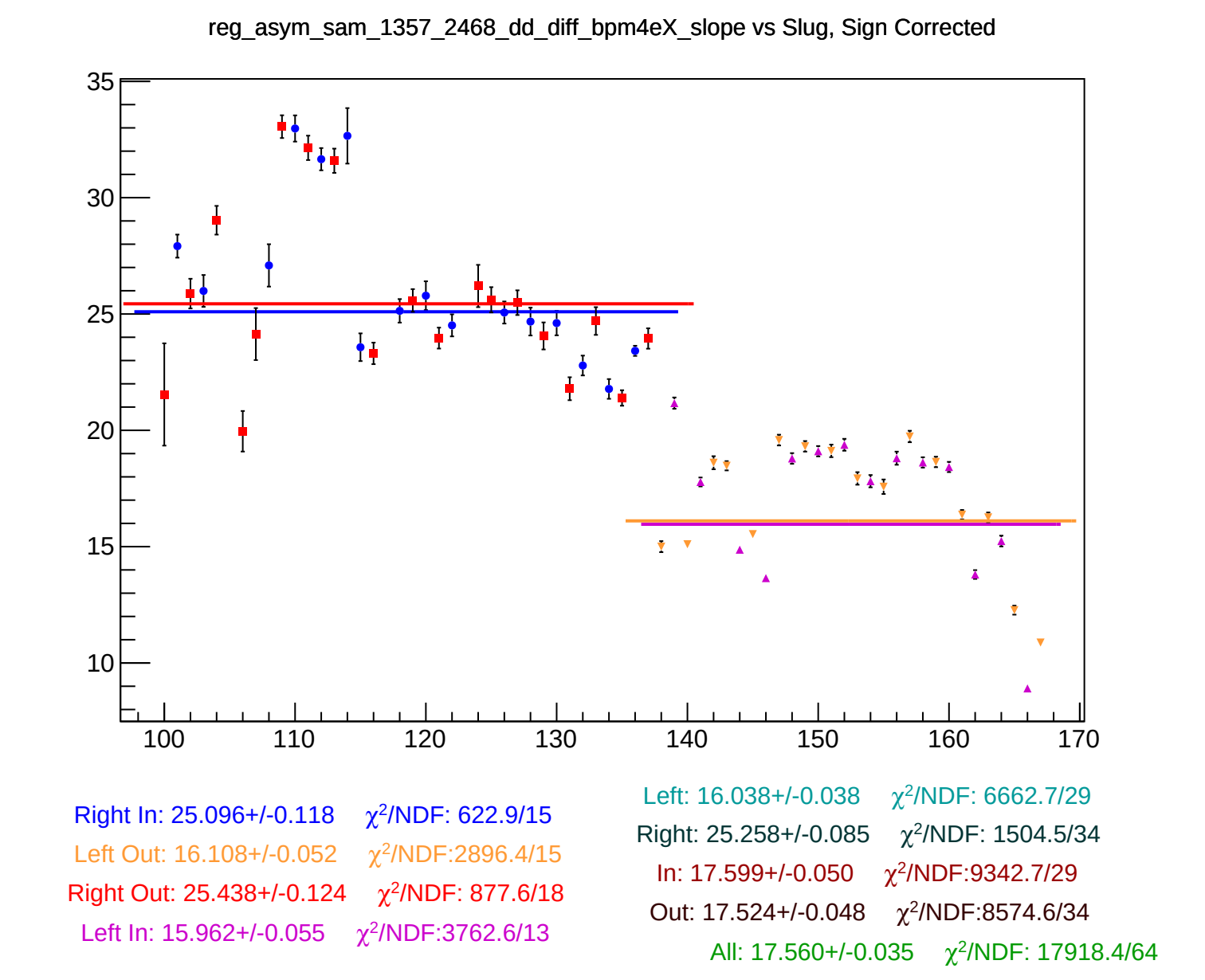
Left: 1.179+/-0.027 χ^2/NDF: 1811.1/29

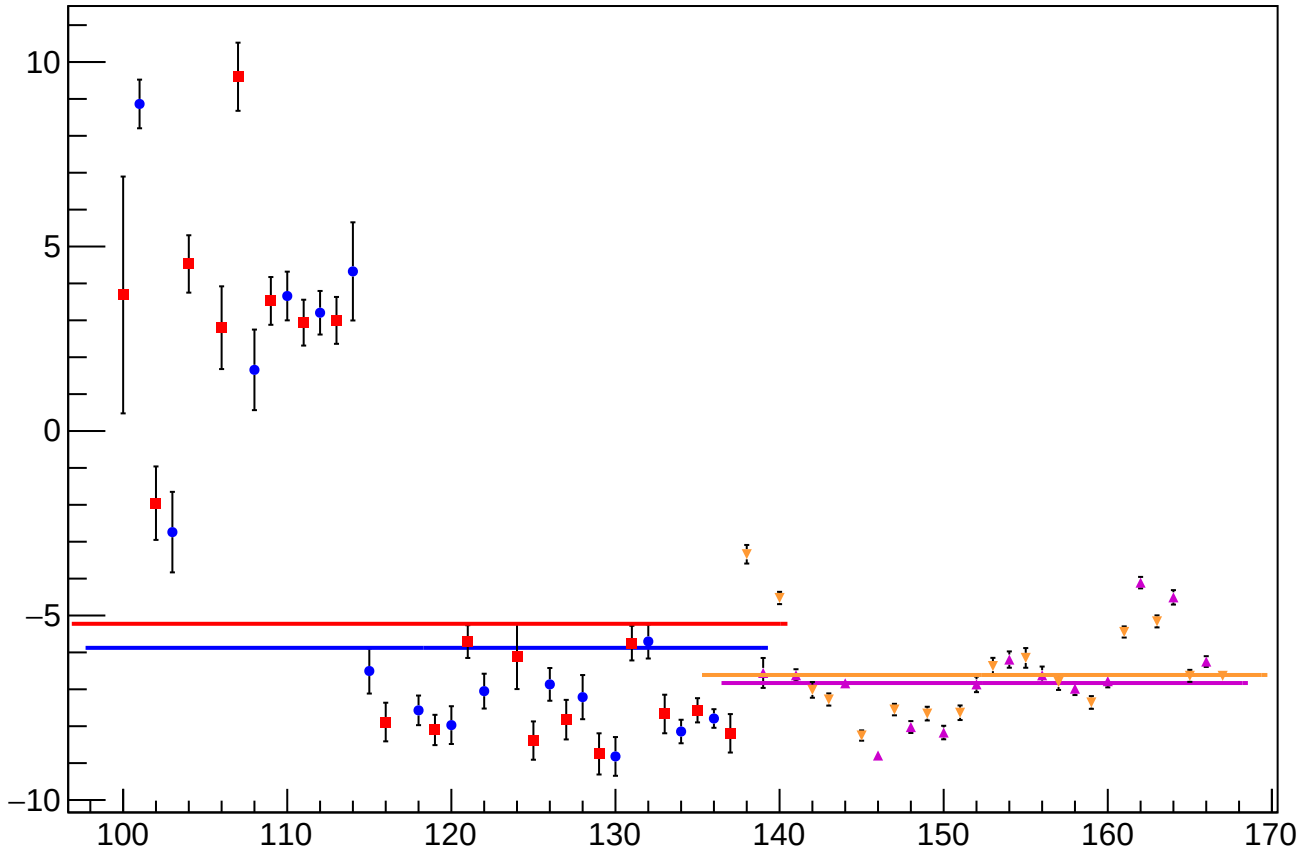
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.406+/-0.037 χ^2/NDF:1233.2/29

Out: 1.250+/-0.036 χ^2/NDF:1598.5/34

All: 1.326+/-0.026 χ^2/NDF: 2841.0/64


reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
35
30
25
20
15
10
100
110
120
130
140
150
160
170
Right In: 25.096+/-0.118 χ²/NDF: 622.9/15
Left Out: 16.108+/-0.052 χ²/NDF:2896.4/15
Right Out: 25.438+/-0.124 χ²/NDF: 877.6/18
Left In: 15.962+/-0.055 χ²/NDF:3762.6/13
Left: 16.038+/-0.038 χ²/NDF: 6662.7/29
Right: 25.258+/-0.085 χ²/NDF: 1504.5/34
In: 17.599+/-0.050 χ²/NDF:9342.7/29
Out: 17.524+/-0.048 χ²/NDF:8574.6/34
All: 17.560+/-0.035 χ²/NDF: 17918.4/64



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.612+/-0.043 χ^2/NDF:740.1/15

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.830+/-0.045 χ^2/NDF:851.6/13

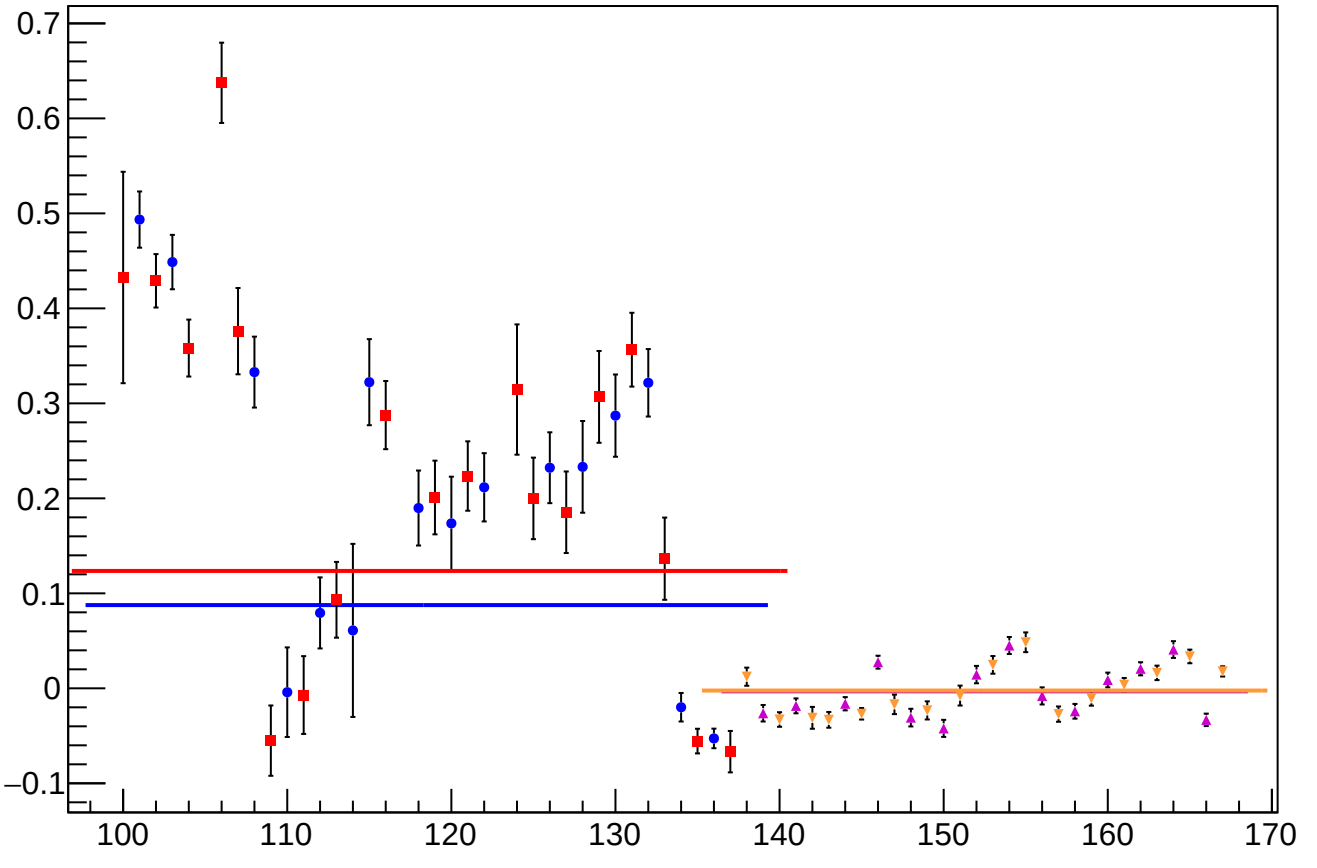
Left: -6.716+/-0.031 χ^2/NDF: 1603.7/29

Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.711+/-0.043 χ^2/NDF:2157.7/29

Out: -6.471+/-0.041 χ^2/NDF:2135.2/34

All: -6.587+/-0.030 χ^2/NDF: 4309.4/64



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.002+/-0.002 χ^2/NDF:150.0/15

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.003+/-0.002 χ^2/NDF:162.6/13

Left: -0.003+/-0.001 χ^2/NDF: 312.7/29

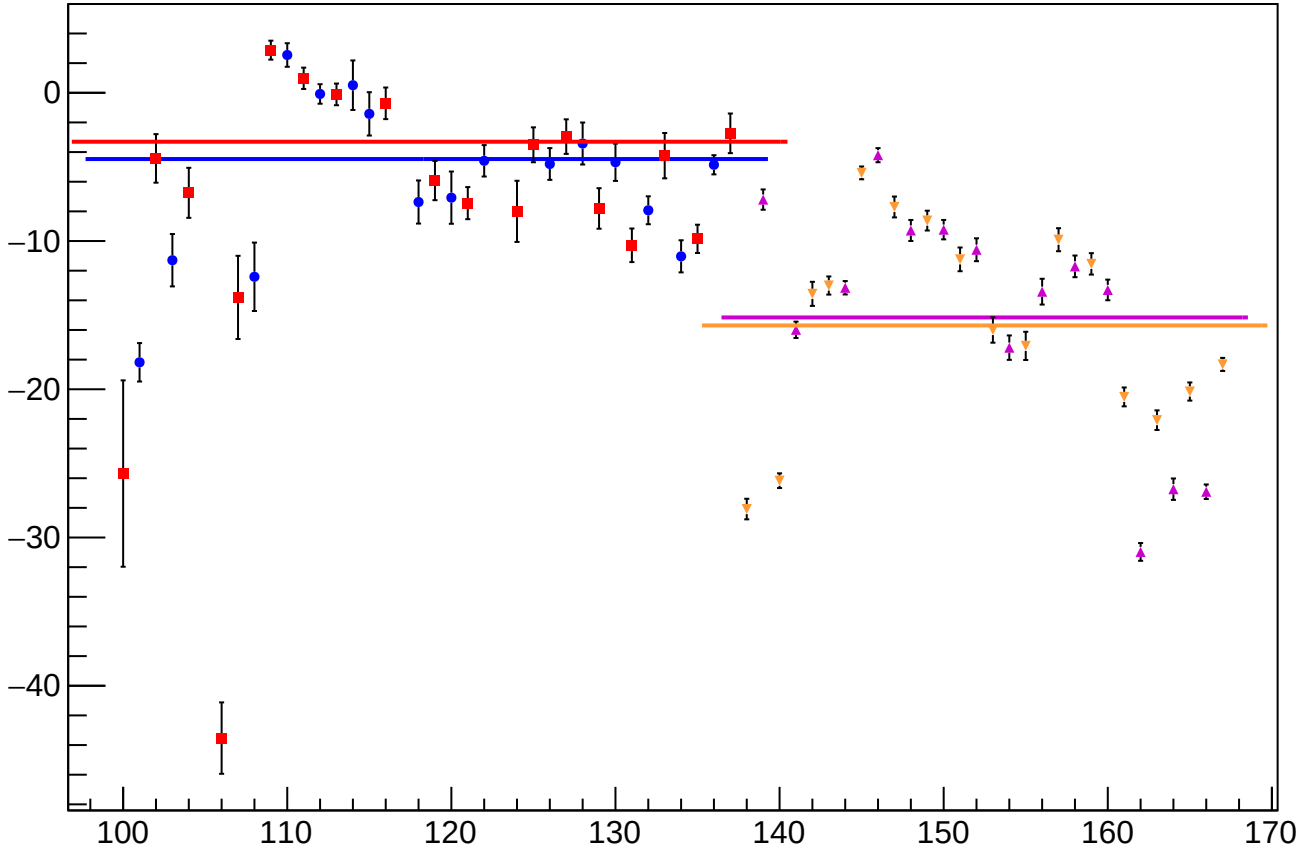
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.005+/-0.002 χ^2/NDF:1102.5/29

Out: 0.006+/-0.002 χ^2/NDF:1187.0/34

All: 0.006+/-0.001 χ^2/NDF: 2289.7/64

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -15.696+/-0.158 χ^2/NDF:1956.8/15

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -15.155+/-0.166 χ^2/NDF:2436.2/13

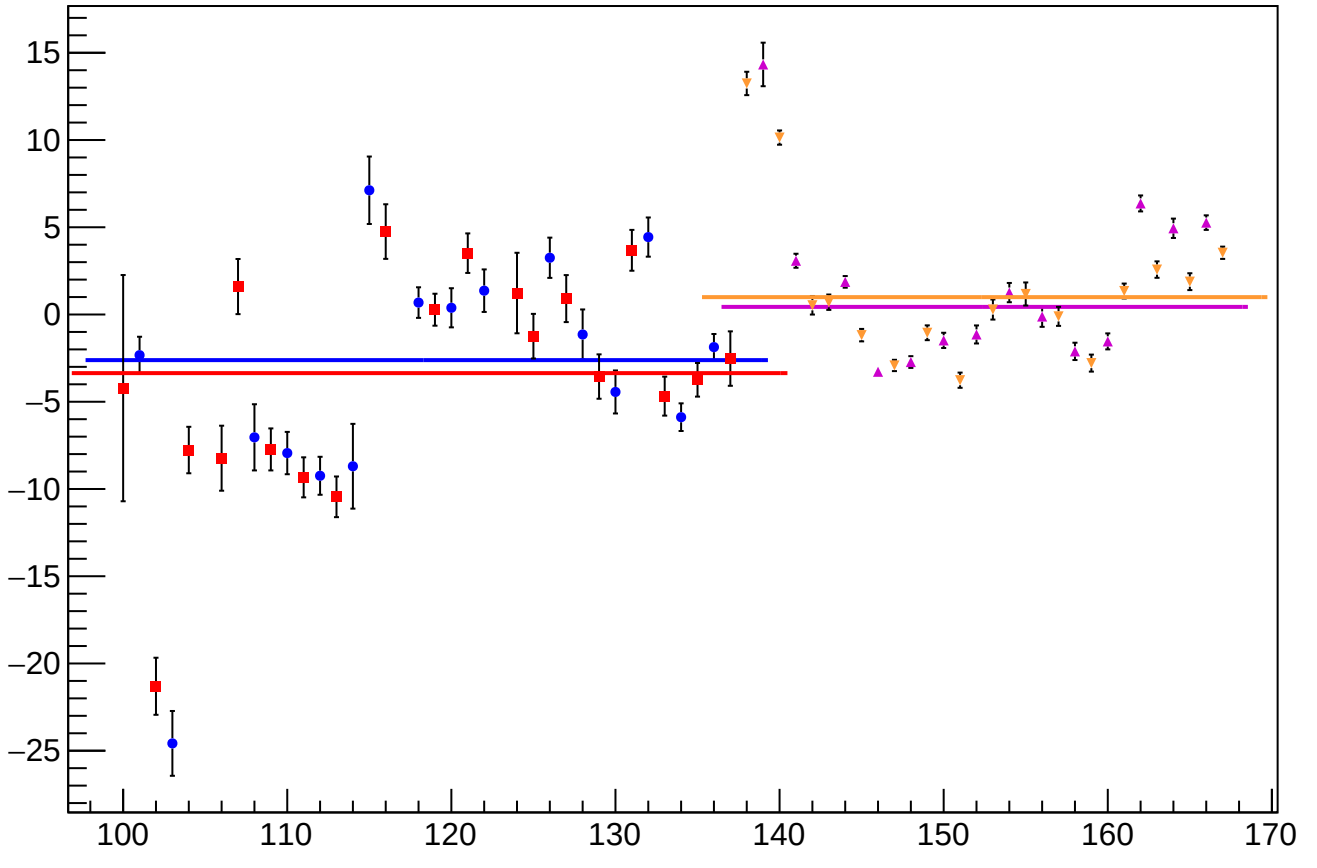
Left: -15.439+/-0.114 χ^2/NDF: 4398.5/29

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -12.198+/-0.141 χ^2/NDF:3913.9/29

Out: -12.370+/-0.135 χ^2/NDF:4193.5/34

All: -12.288+/-0.098 χ^2/NDF: 8108.2/64



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.996+/-0.112 χ^2/NDF:1294.0/15

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.437+/-0.116 χ^2/NDF:890.4/13

Left: 0.726+/-0.080 χ^2/NDF: 2196.5/29

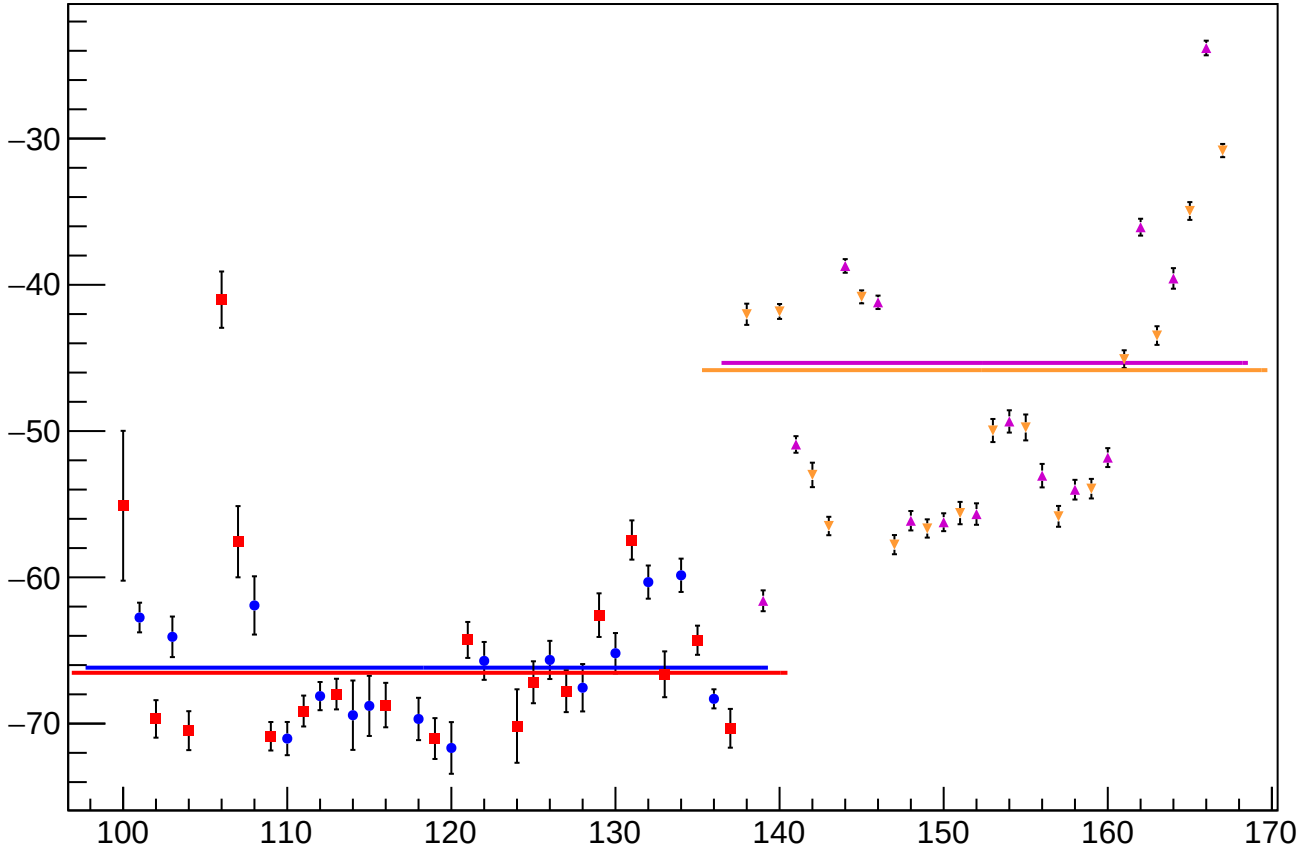
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 0.007+/-0.107 χ^2/NDF:1340.3/29

Out: 0.462+/-0.105 χ^2/NDF:1840.1/34

All: 0.241+/-0.075 χ^2/NDF: 3189.6/64

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -45.834+/-0.156 χ^2/NDF:3198.9/15

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -45.339+/-0.162 χ^2/NDF:4240.3/13

Left: -45.596+/-0.112 χ^2/NDF: 7444.1/29

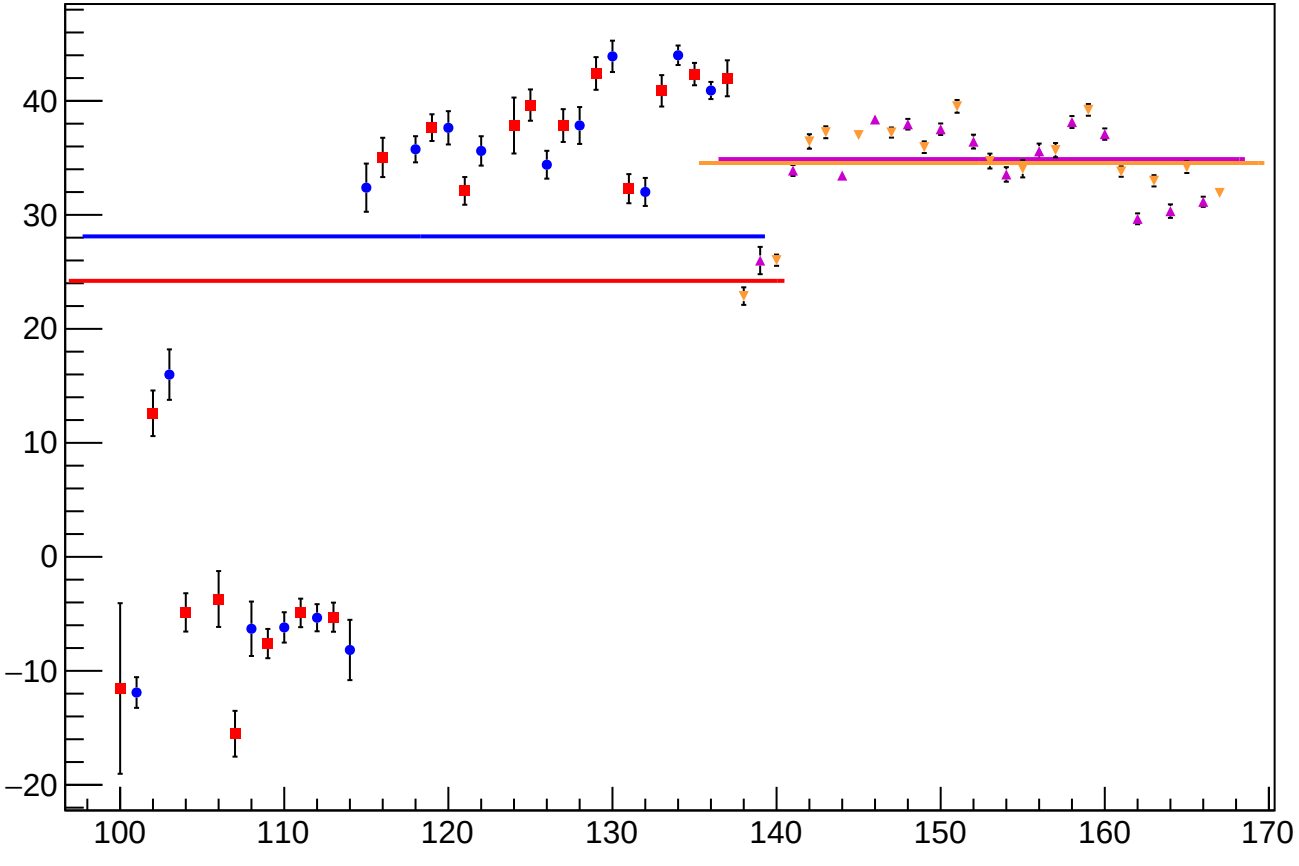
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -49.940+/-0.143 χ^2/NDF:8022.5/29

Out: -49.955+/-0.139 χ^2/NDF:7032.4/34

All: -49.948+/-0.100 χ^2/NDF: 15054.9/64

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.550+/-0.129 χ^2/NDF:868.5/15

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 34.893+/-0.134 χ^2/NDF:560.1/13

Left: 34.715+/-0.093 χ^2/NDF: 1432.0/29

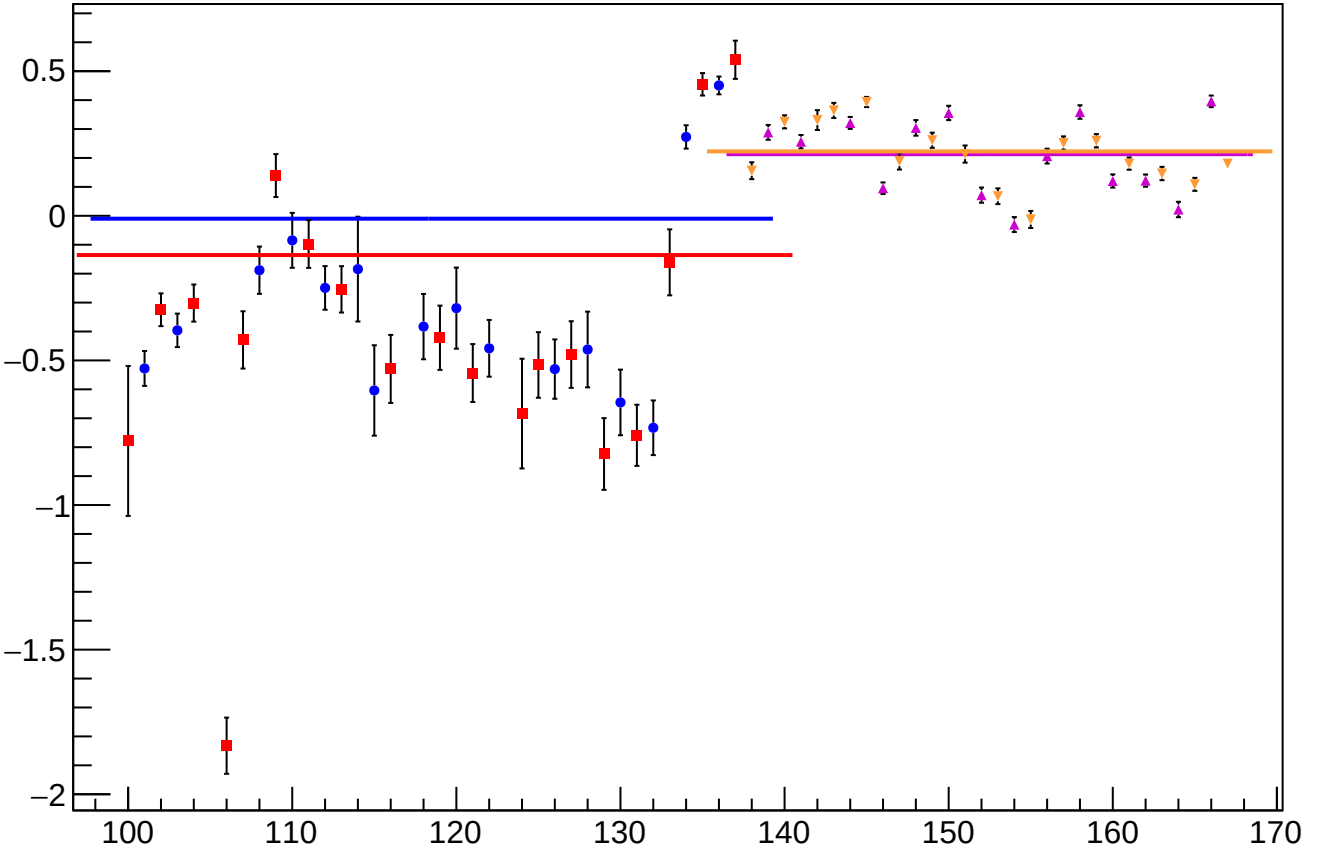
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.876+/-0.124 χ^2/NDF:4669.5/29

Out: 33.218+/-0.120 χ^2/NDF:5536.9/34

All: 33.538+/-0.086 χ^2/NDF: 10220.9/64

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.223+/-0.006 χ^2/NDF:309.1/15

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.213+/-0.006 χ^2/NDF:444.6/13

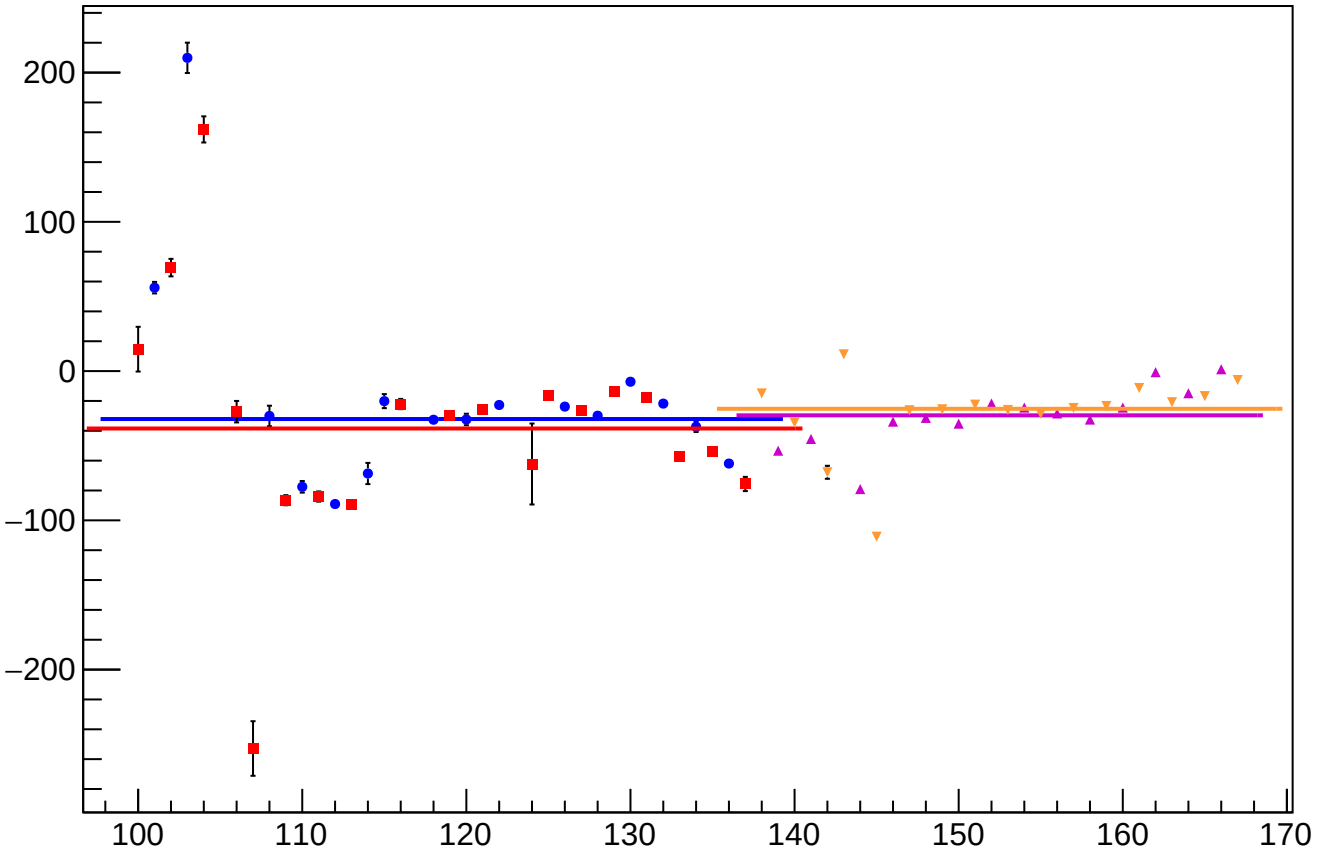
Left: 0.218+/-0.004 χ^2/NDF: 754.9/29

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.187+/-0.006 χ^2/NDF:1178.6/29

Out: 0.190+/-0.006 χ^2/NDF:1457.2/34

All: 0.189+/-0.004 χ^2/NDF: 2635.9/64



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -25.253+/-0.718 χ^2/NDF:1064.9/15

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -29.633+/-0.750 χ^2/NDF:716.9/13

Left: -27.347+/-0.519 χ^2/NDF: 1799.6/29

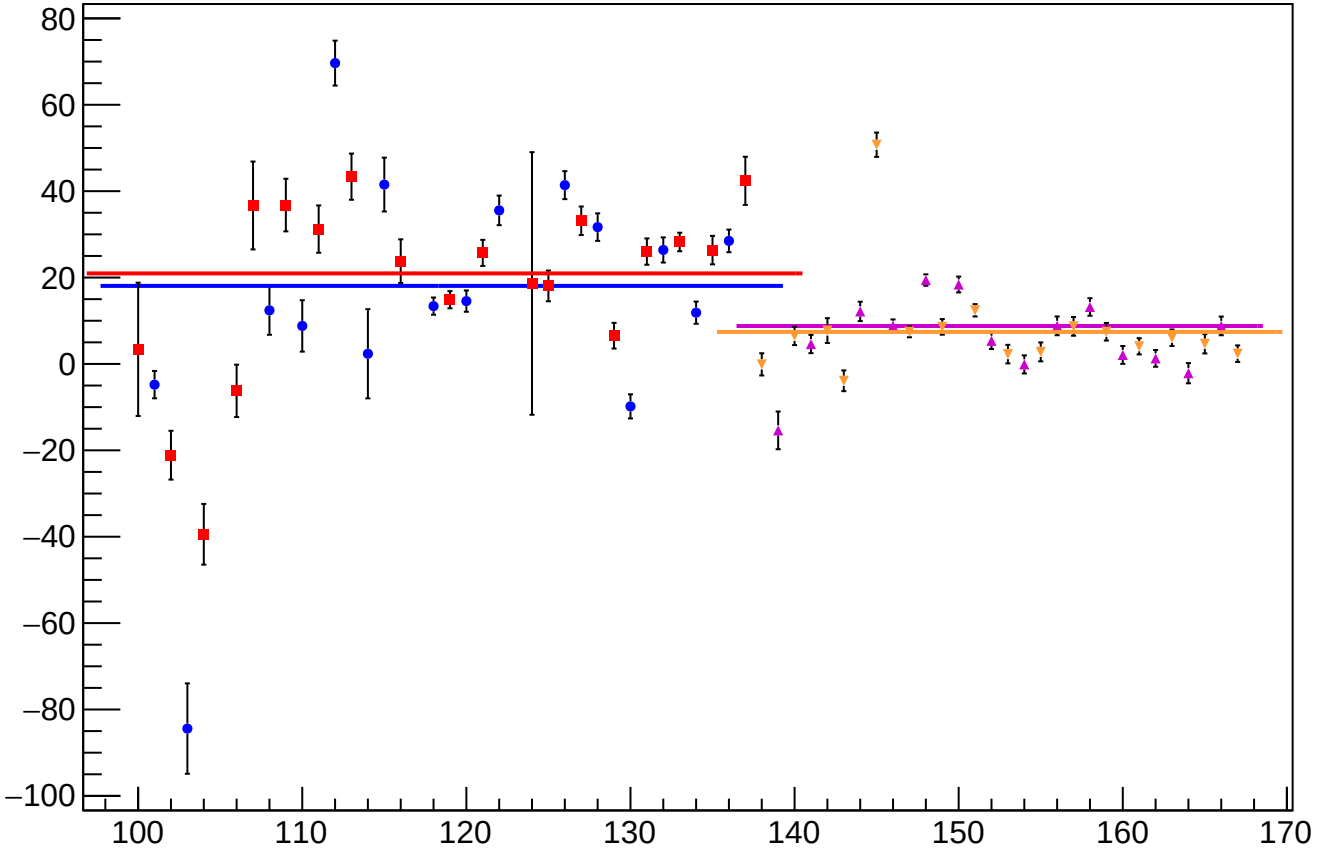
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -30.731+/-0.560 χ^2/NDF:2599.2/29

Out: -30.644+/-0.552 χ^2/NDF:3175.6/34

All: -30.687+/-0.393 χ^2/NDF: 5774.8/64

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.416+/-0.494 χ^2/NDF:303.0/15

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 8.787+/-0.522 χ^2/NDF:202.4/13

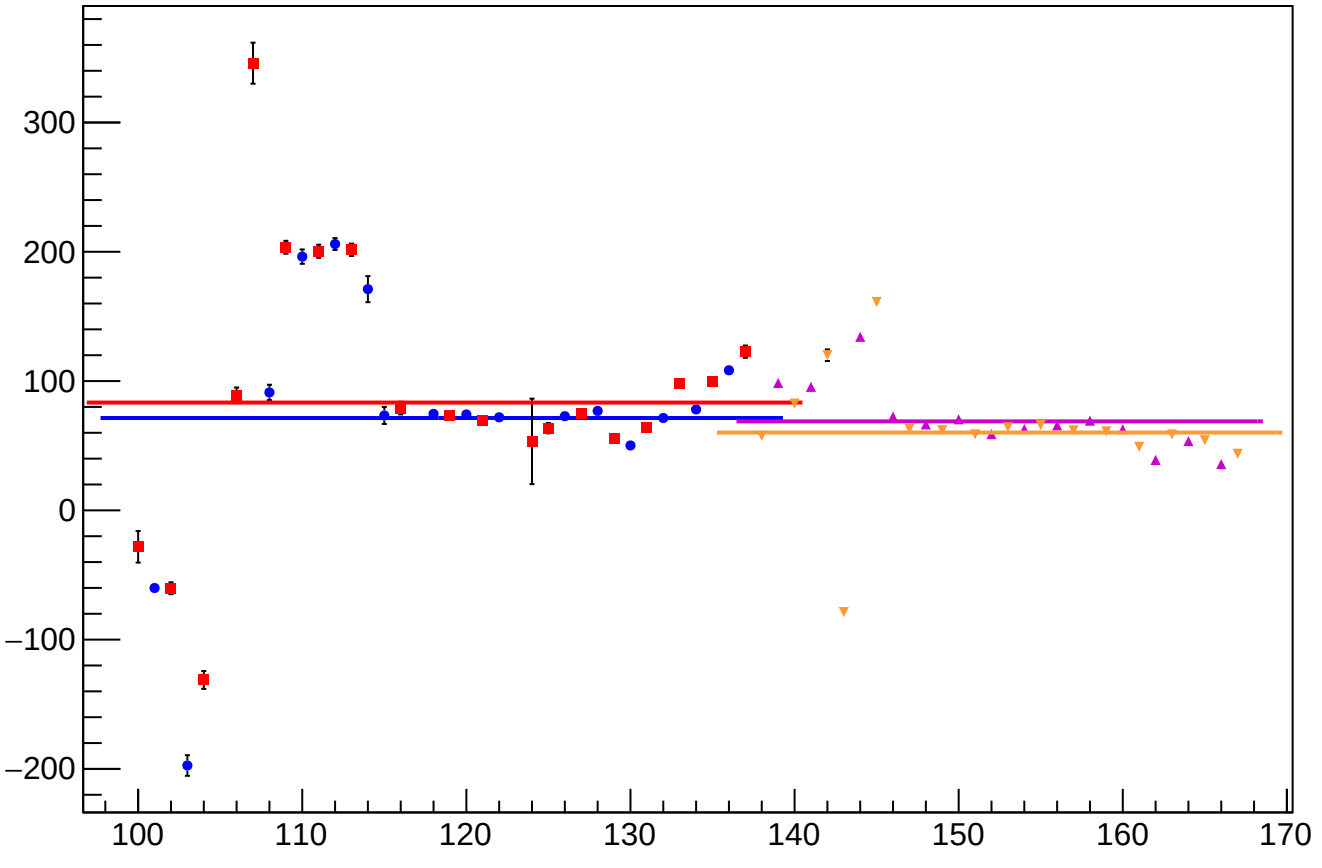
Left: 8.063+/-0.359 χ^2/NDF: 509.0/29

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 11.450+/-0.441 χ^2/NDF:792.7/29

Out: 10.726+/-0.429 χ^2/NDF:749.4/34

All: 11.079+/-0.308 χ^2/NDF: 1543.4/64



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 60.190+/-0.699 χ^2/NDF:2964.7/15

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 68.816+/-0.726 χ^2/NDF:1027.1/13

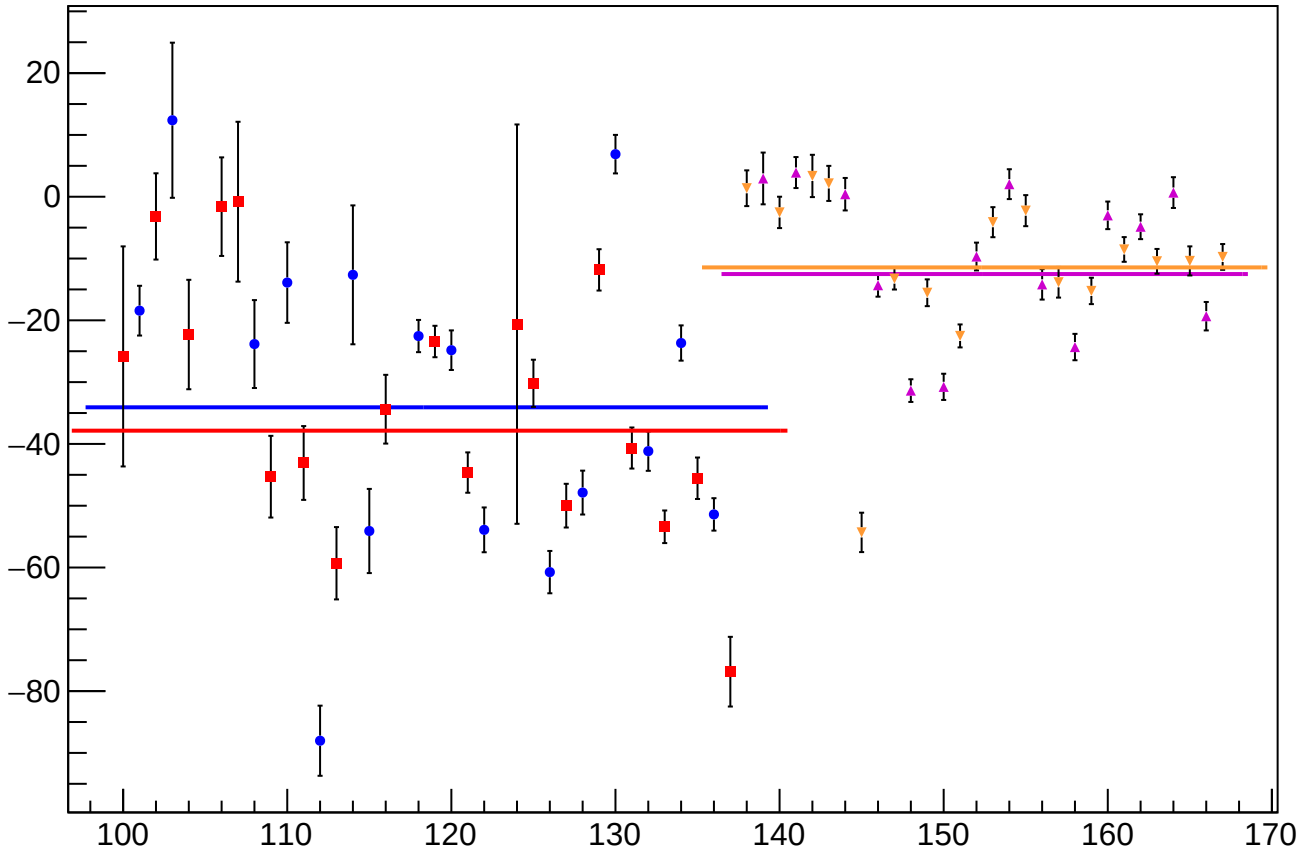
Left: 64.342+/-0.504 χ^2/NDF: 4065.0/29

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 69.801+/-0.572 χ^2/NDF:5851.5/29

Out: 67.959+/-0.570 χ^2/NDF:7630.7/34

All: 68.876+/-0.404 χ^2/NDF: 13487.4/64



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.436+/-0.575 χ^2/NDF:324.5/15

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.511+/-0.606 χ^2/NDF:399.6/13

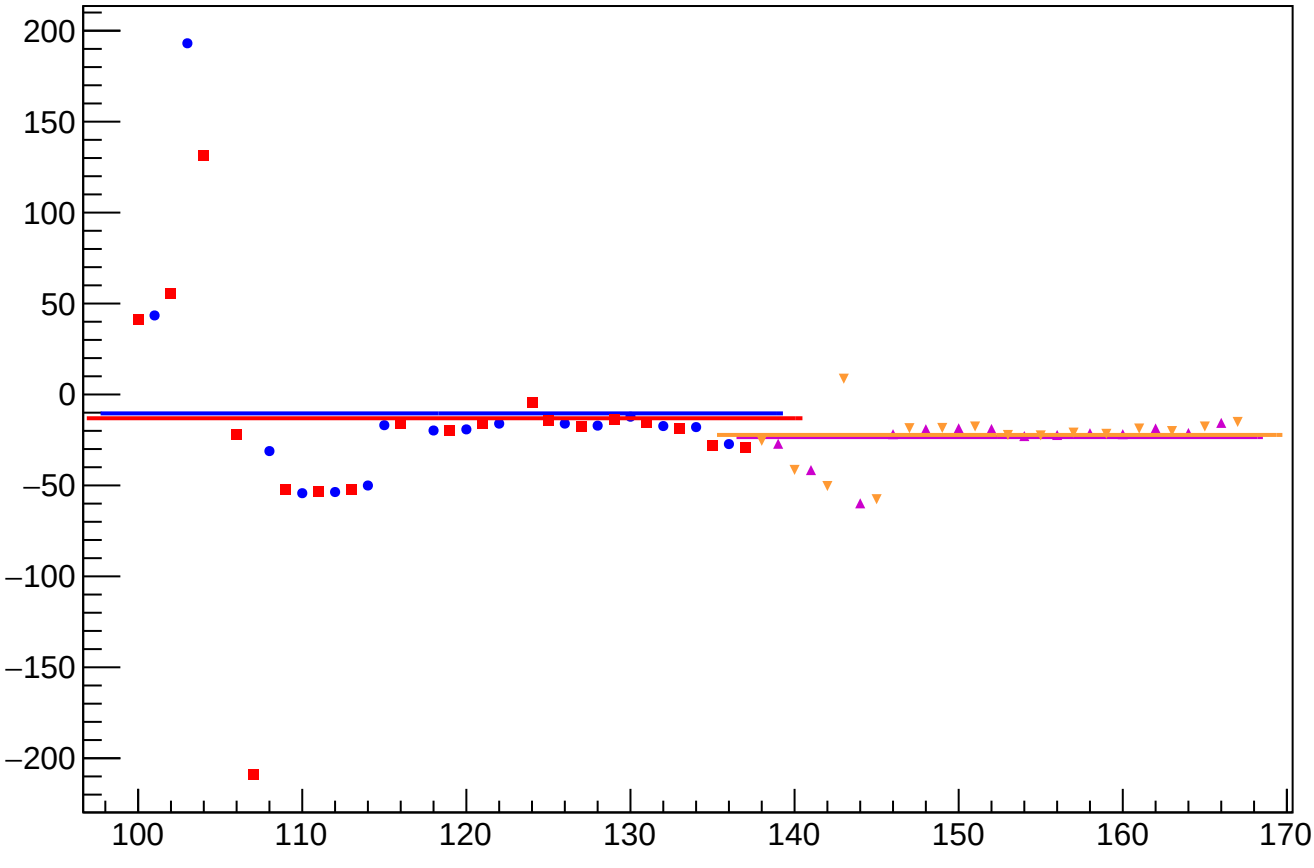
Left: -11.945+/-0.417 χ^2/NDF: 725.8/29

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -18.824+/-0.510 χ^2/NDF:1281.4/29

Out: -18.063+/-0.498 χ^2/NDF:1128.6/34

All: -18.434+/-0.356 χ^2/NDF: 2411.1/64



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -22.240+/-0.026 χ^2/NDF:190952.2/15

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -23.428+/-0.027 χ^2/NDF:107898.3/13

Left: -22.812+/-0.019 χ^2/NDF: 299832.1/29

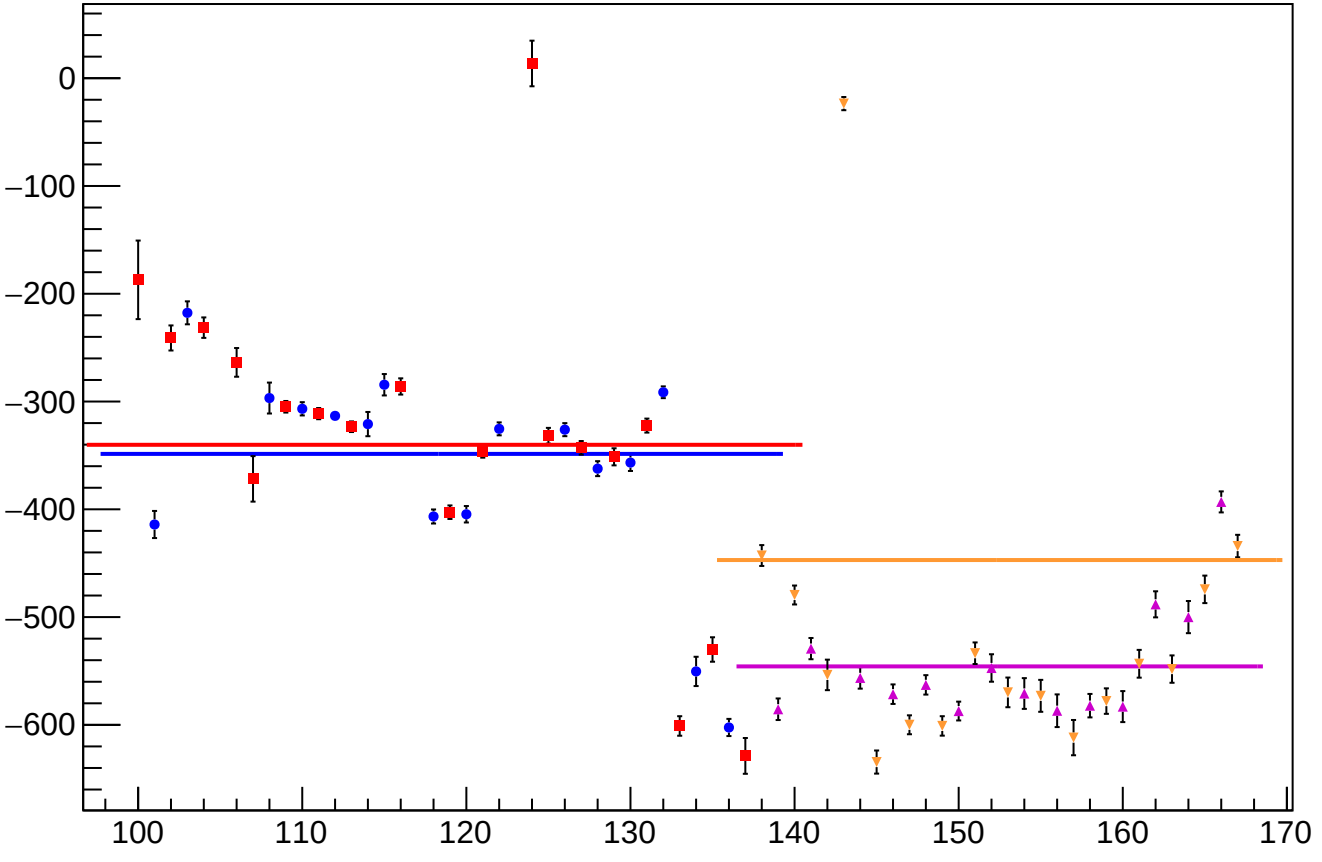
Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -20.986+/-0.025 χ^2/NDF:672948.0/29

Out: -20.864+/-0.024 χ^2/NDF:658772.9/34

All: -20.924+/-0.017 χ^2/NDF: 1331733.3/64

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -447.068+/-2.604 χ^2/NDF:6332.3/15

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -545.754+/-2.906 χ^2/NDF:359.1/13

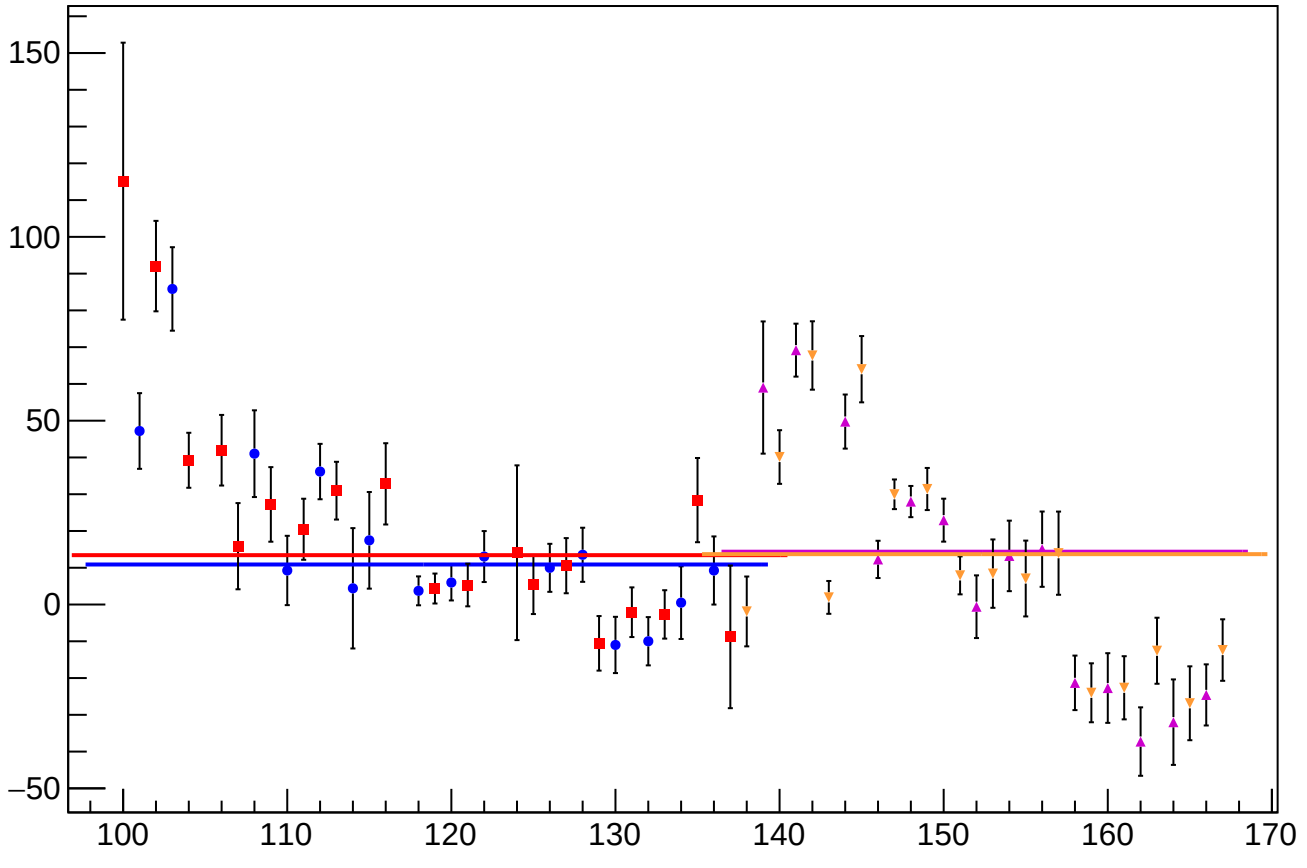
Left: -491.018+/-1.939 χ^2/NDF: 7331.2/29

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -404.351+/-1.545 χ^2/NDF:5519.8/29

Out: -373.664+/-1.458 χ^2/NDF:9687.3/34

All: -388.114+/-1.060 χ^2/NDF: 15415.7/64



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 13.699+/-1.747 χ^2/NDF:190.1/15

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 14.366+/-1.956 χ^2/NDF:210.1/13

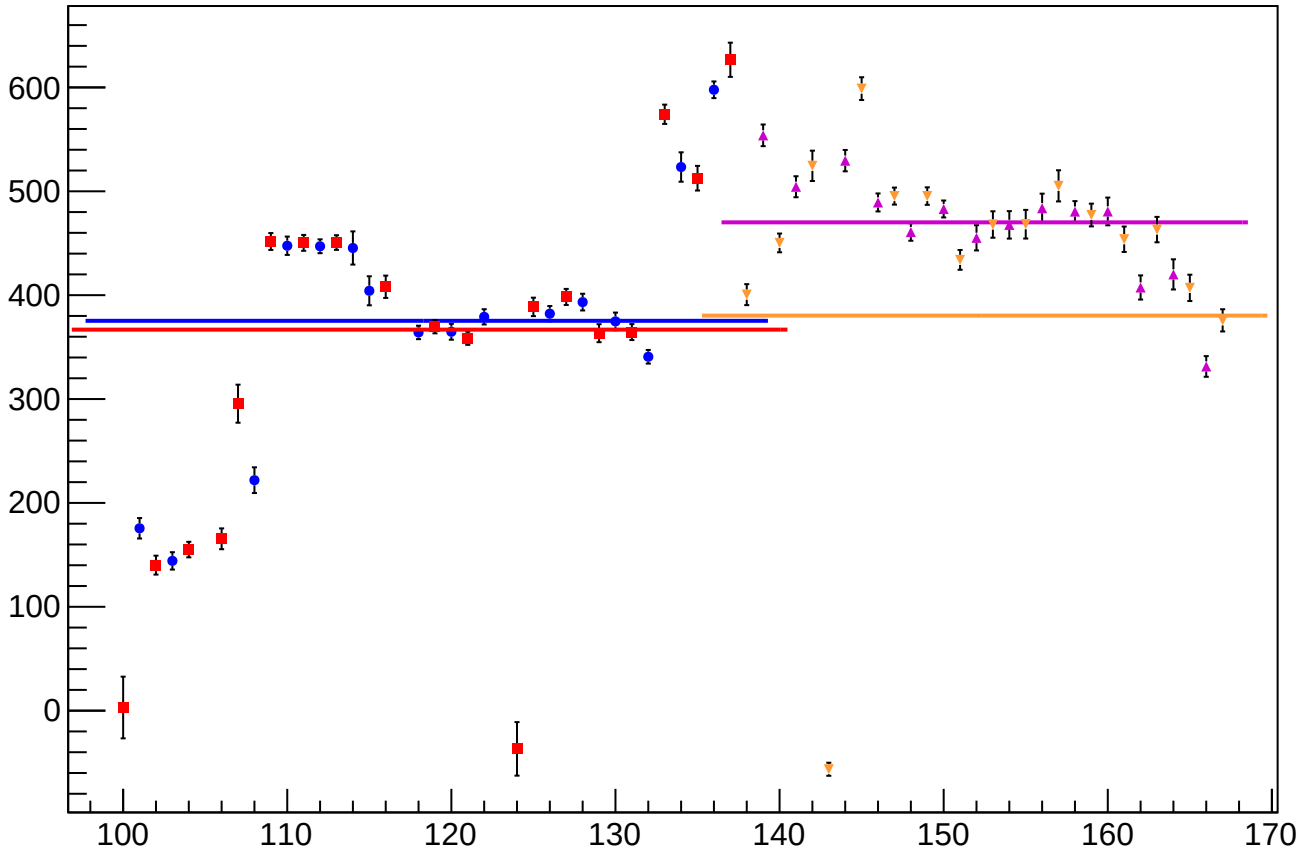
Left: 13.995+/-1.303 χ^2/NDF: 400.2/29

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 12.524+/-1.341 χ^2/NDF:310.0/29

Out: 13.571+/-1.271 χ^2/NDF:302.5/34

All: 13.075+/-0.923 χ^2/NDF: 612.8/64



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 380.327+/-2.558 χ^2/NDF:6107.6/15

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 470.108+/-2.815 χ^2/NDF:357.5/13

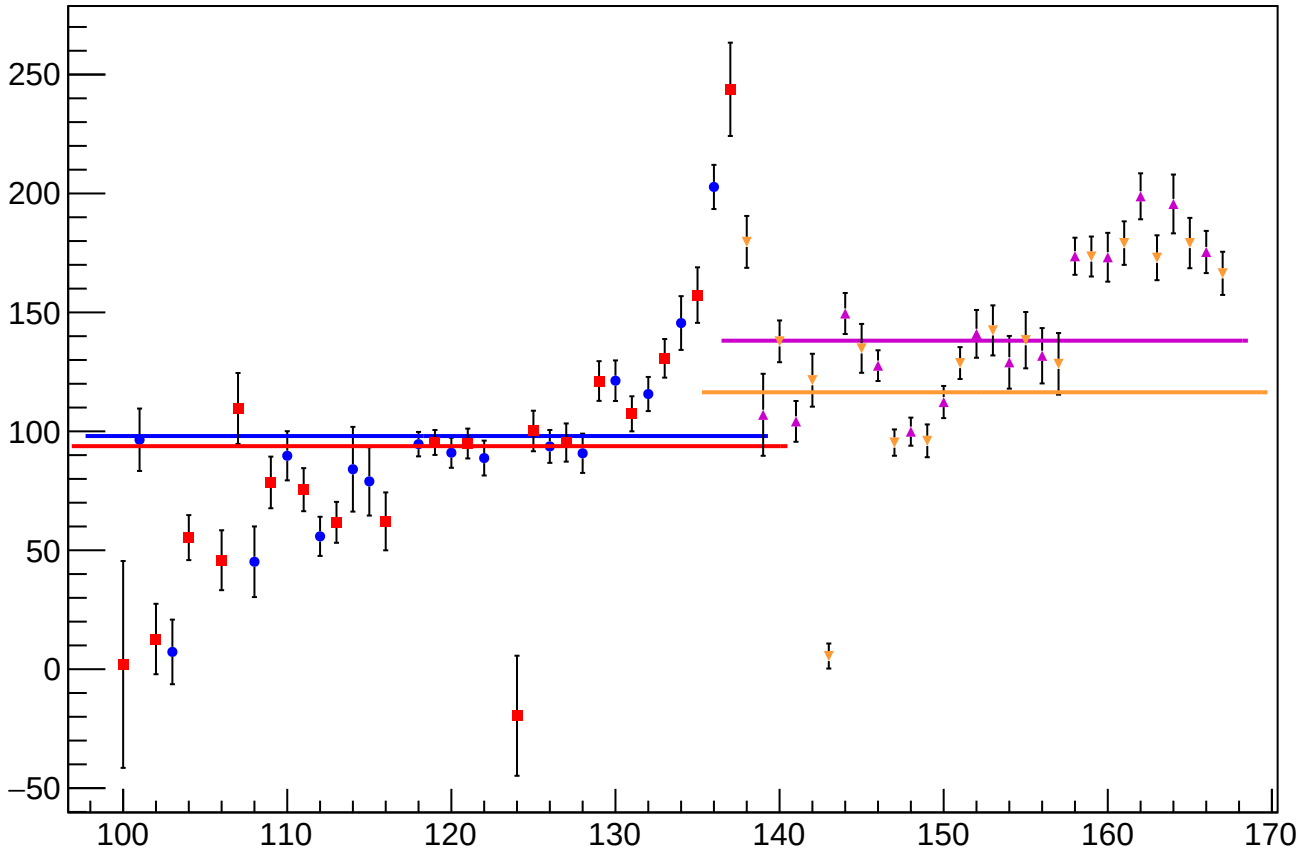
Left: 420.925+/-1.893 χ^2/NDF: 7022.3/29

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 409.268+/-1.685 χ^2/NDF:3534.7/29

Out: 372.107+/-1.599 χ^2/NDF:9665.7/34

All: 389.723+/-1.160 χ^2/NDF: 13456.3/64



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 116.419+/-2.078 χ^2/NDF:718.6/15

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 138.111+/-2.317 χ^2/NDF:192.0/13

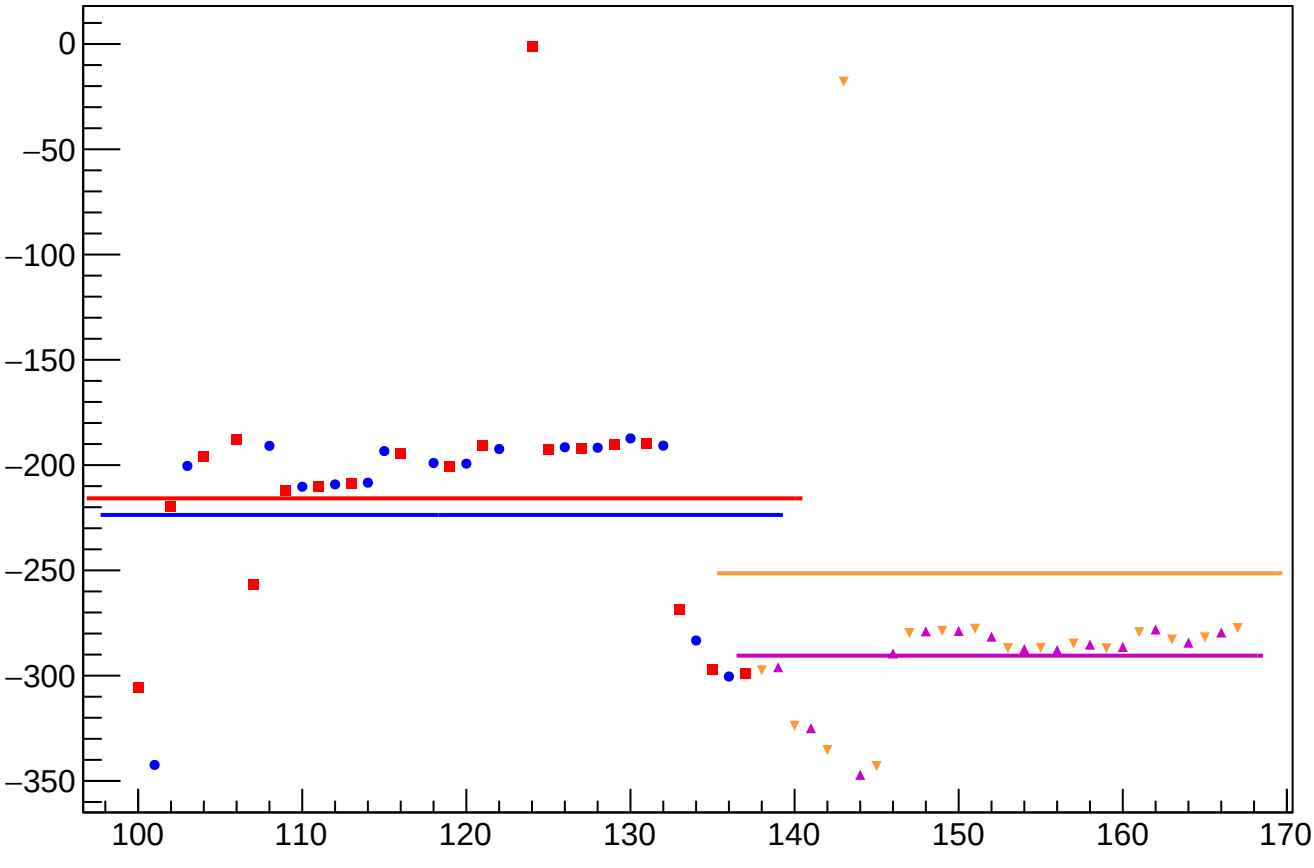
Left: 126.091+/-1.547 χ^2/NDF: 959.2/29

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 116.516+/-1.574 χ^2/NDF:602.8/29

Out: 105.418+/-1.490 χ^2/NDF:1013.5/34

All: 110.666+/-1.082 χ^2/NDF: 1642.5/64



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -251.352+/-0.100 χ^2/NDF:968307.8/15

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -290.505+/-0.108 χ^2/NDF:27156.1/13

Left: -269.374+/-0.073 χ^2/NDF: 1065998.2/29

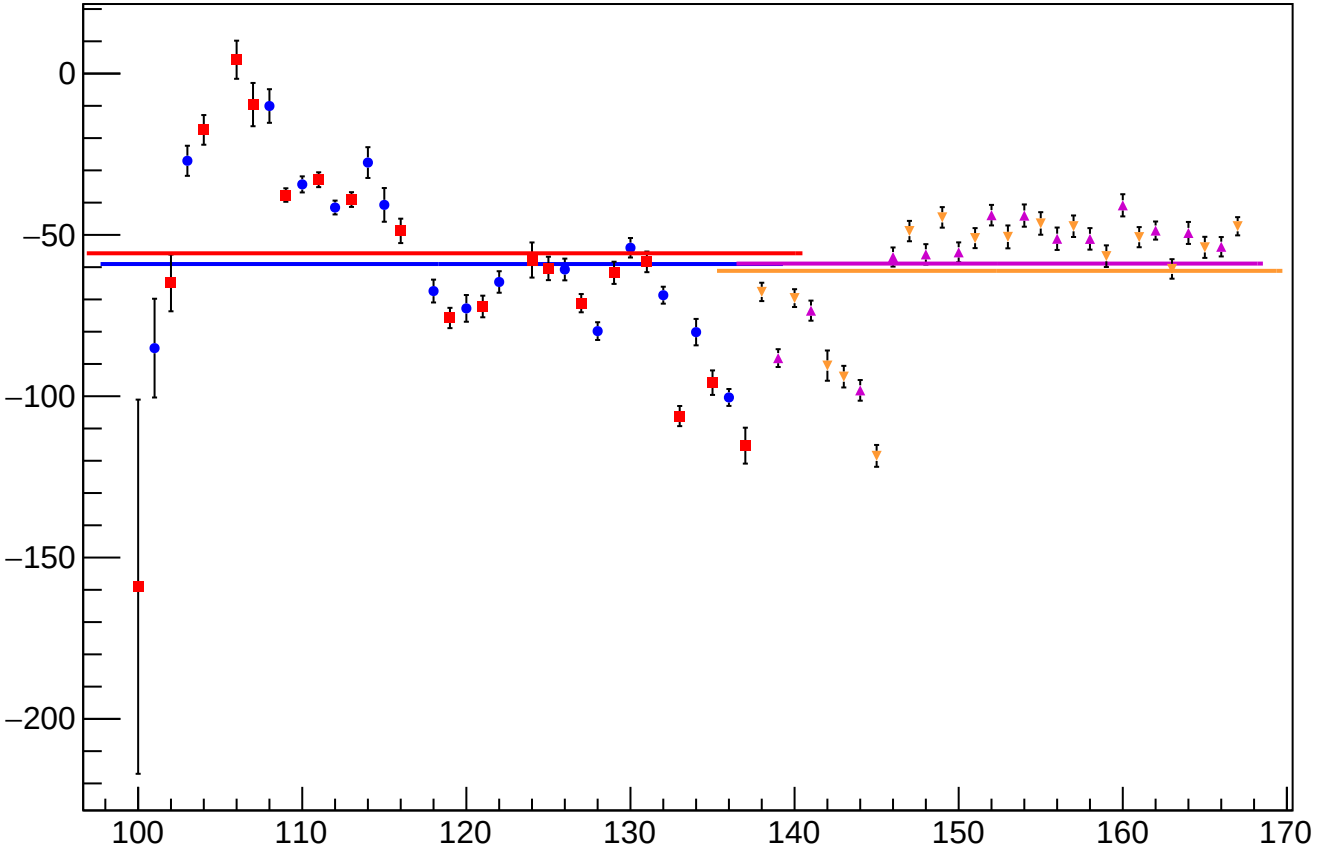
Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -265.094+/-0.085 χ^2/NDF:293482.2/29

Out: -238.667+/-0.080 χ^2/NDF:1094907.3/34

All: -251.075+/-0.058 χ^2/NDF: 1439348.4/64

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -61.143+/-0.803 χ^2/NDF:574.8/15

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -58.888+/-0.841 χ^2/NDF:390.1/13

Left: -60.067+/-0.581 χ^2/NDF: 968.7/29

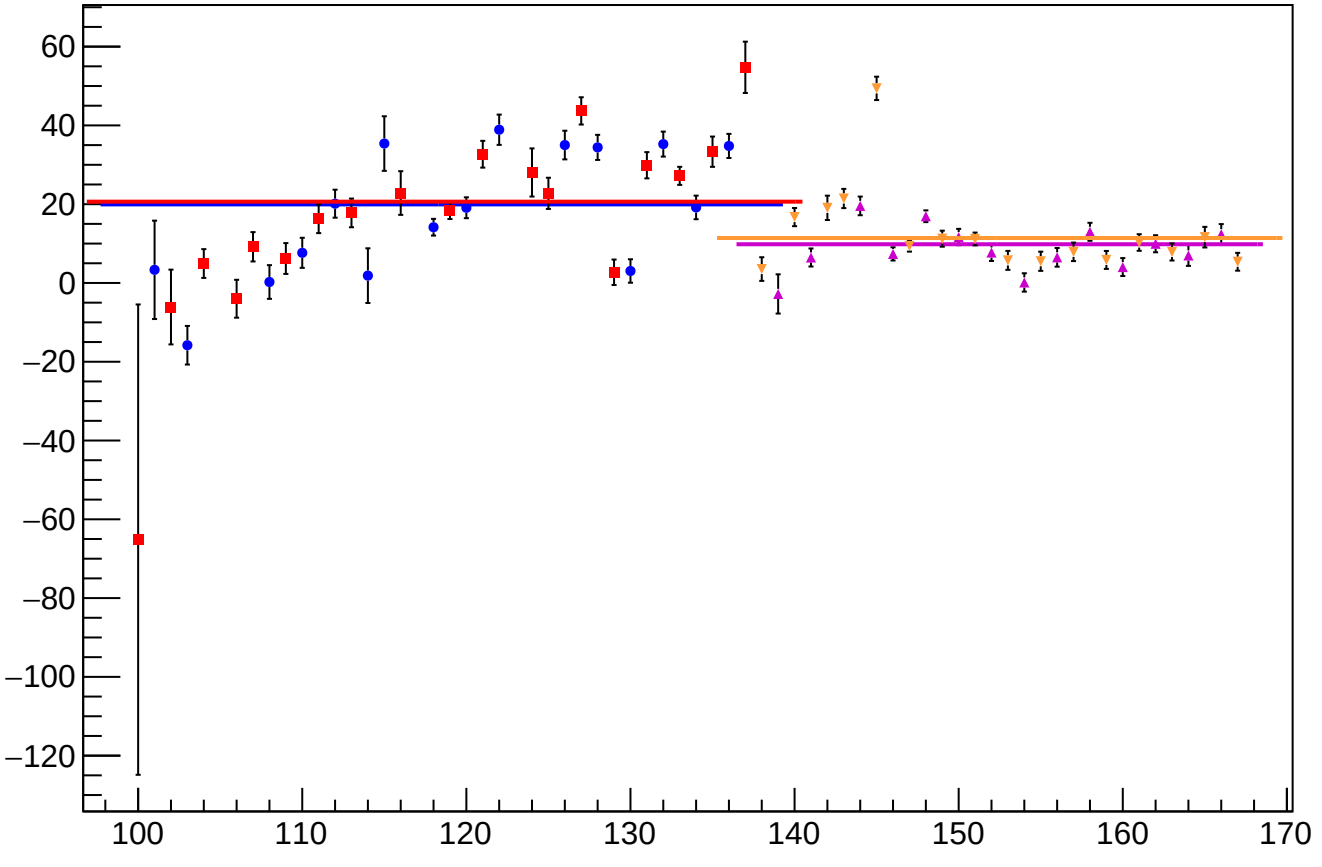
Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -58.960+/-0.590 χ^2/NDF:1117.4/29

Out: -58.377+/-0.563 χ^2/NDF:1639.3/34

All: -58.655+/-0.407 χ^2/NDF: 2757.2/64

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 11.415+/-0.553 χ^2/NDF:231.1/15

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.829+/-0.585 χ^2/NDF:81.9/13

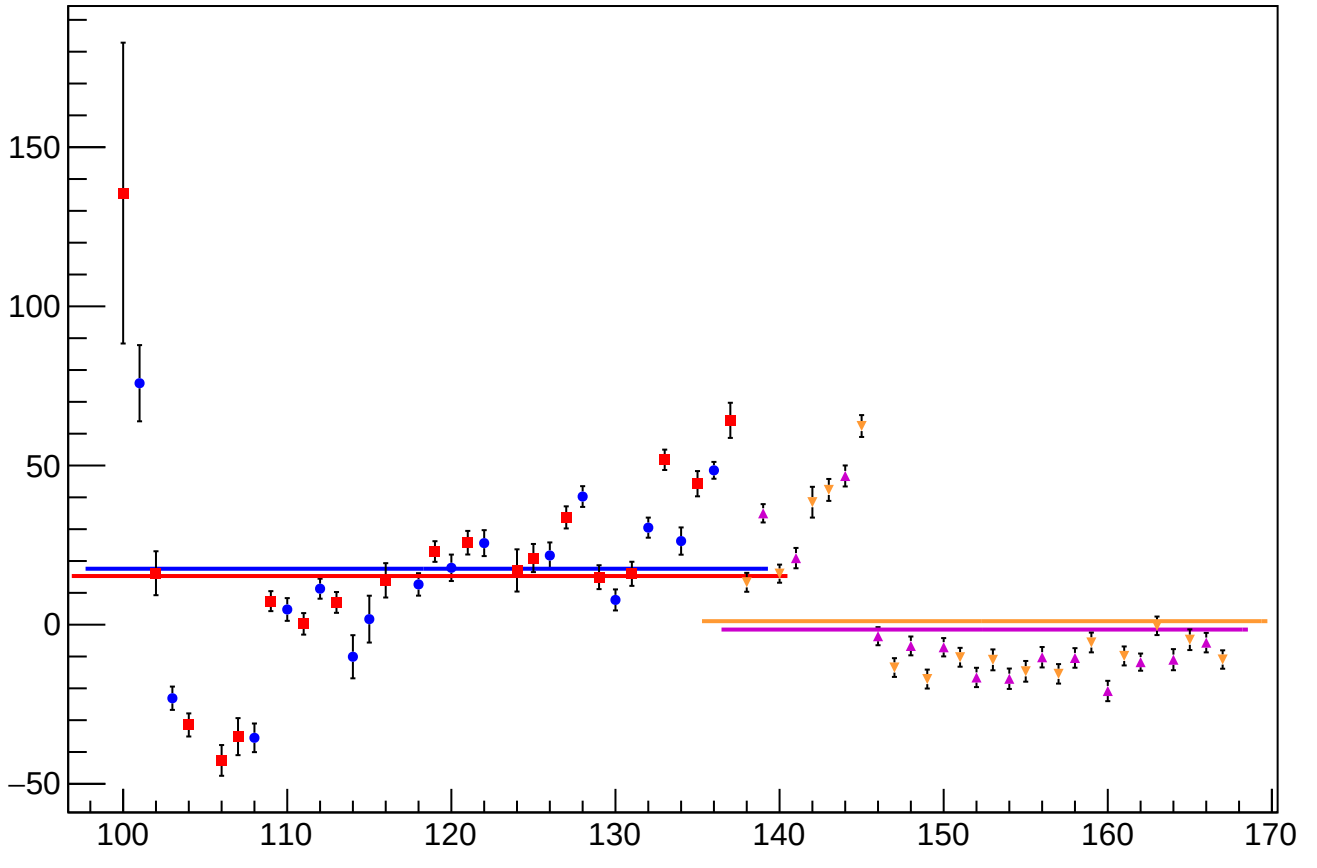
Left: 10.667+/-0.402 χ^2/NDF: 316.8/29

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.994+/-0.485 χ^2/NDF:422.5/29

Out: 14.185+/-0.462 χ^2/NDF:539.5/34

All: 13.618+/-0.335 χ^2/NDF: 965.2/64



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 1.101+/-0.782 χ^2/NDF:747.8/15

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -1.535+/-0.813 χ^2/NDF:556.0/13

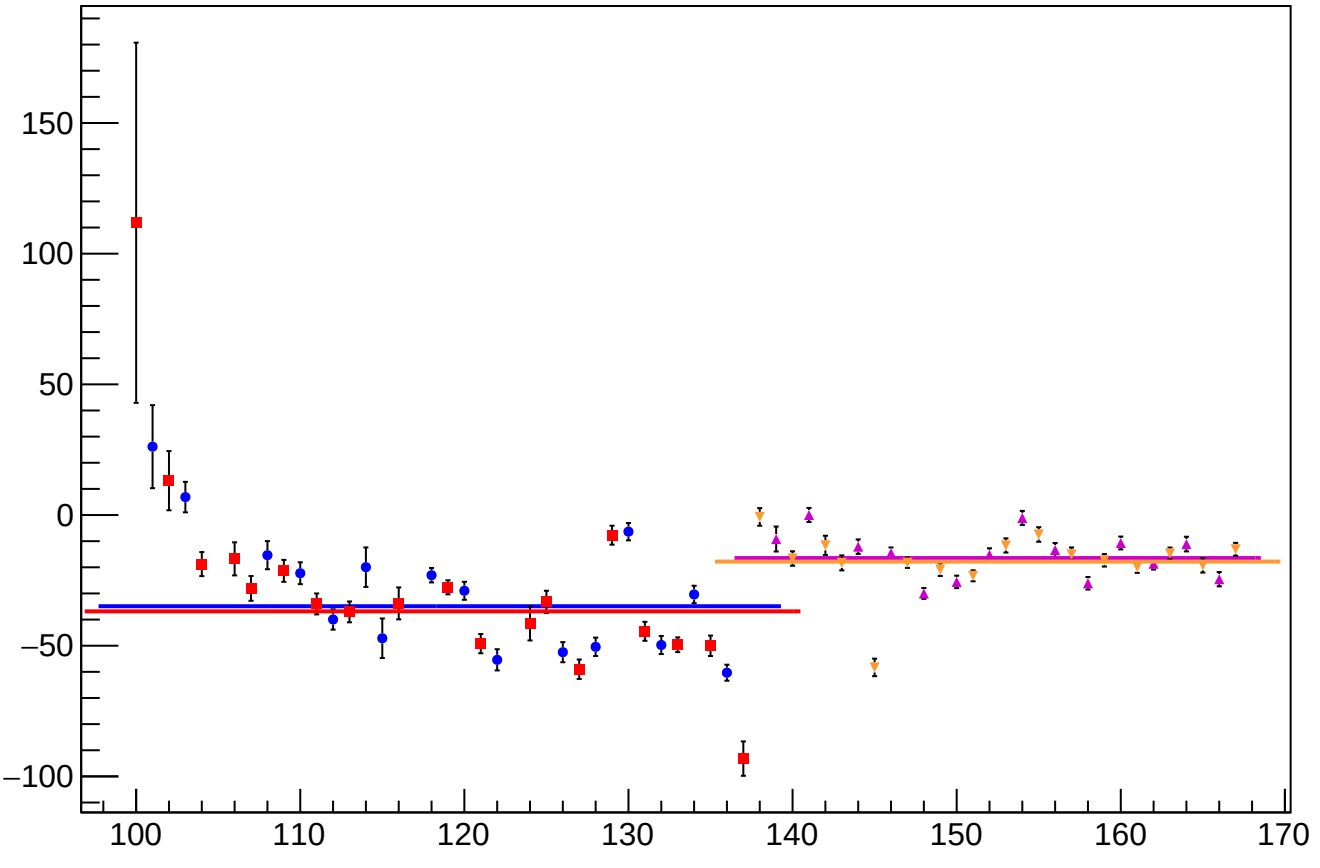
Left: -0.166+/-0.564 χ^2/NDF: 1309.3/29

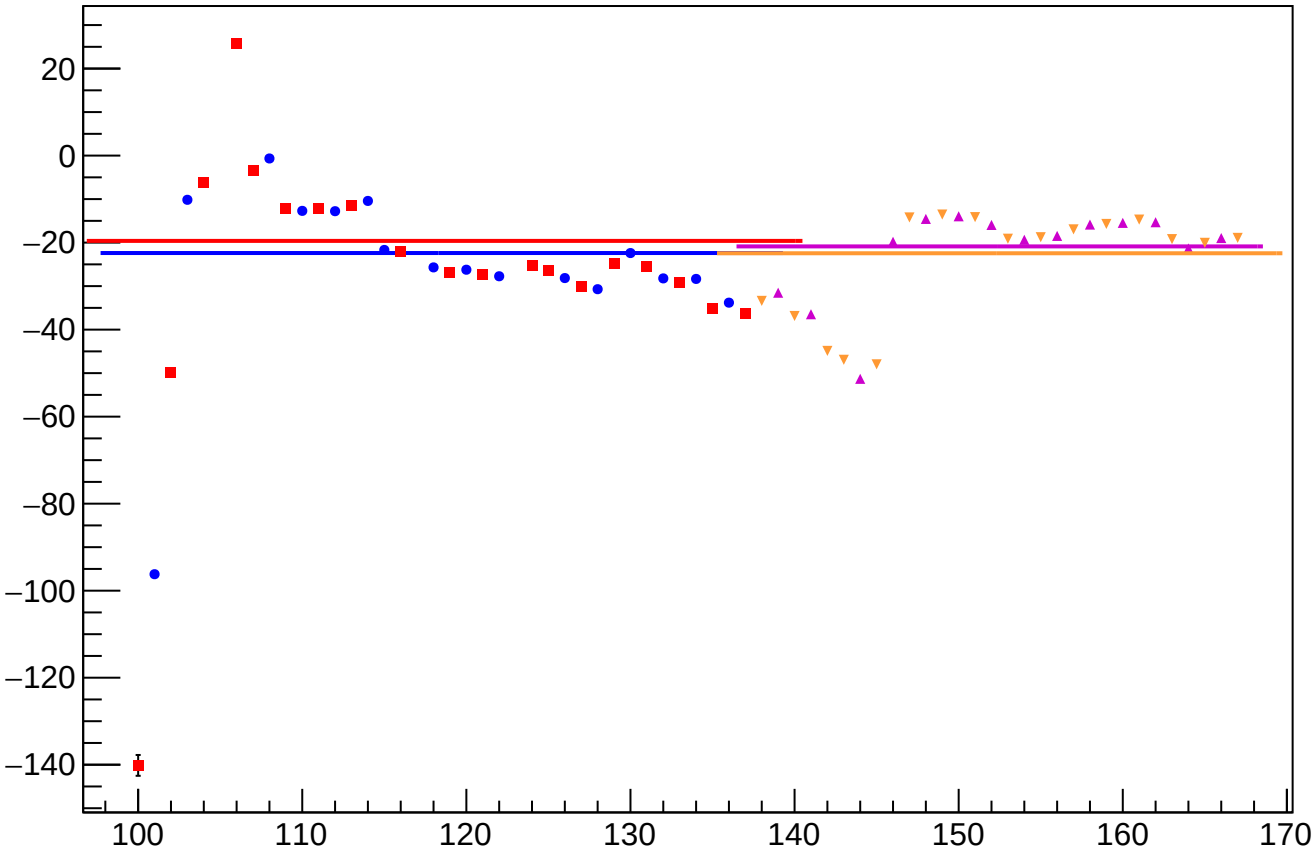
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 6.482+/-0.620 χ^2/NDF:1333.9/29

Out: 6.948+/-0.600 χ^2/NDF:1613.4/34

All: 6.723+/-0.431 χ^2/NDF: 2947.5/64


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -17.808+/-0.644 χ²/NDF:209.3/15
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -16.463+/-0.679 χ²/NDF:168.7/13
Left: -17.172+/-0.467 χ²/NDF: 380.1/29
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -22.361+/-0.560 χ²/NDF:751.0/29
Out: -23.636+/-0.536 χ²/NDF:778.6/34
All: -23.026+/-0.387 χ²/NDF: 1532.3/64



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -22.449+/-0.029 χ^2/NDF:130796.4/15

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.872+/-0.031 χ^2/NDF:84625.9/13

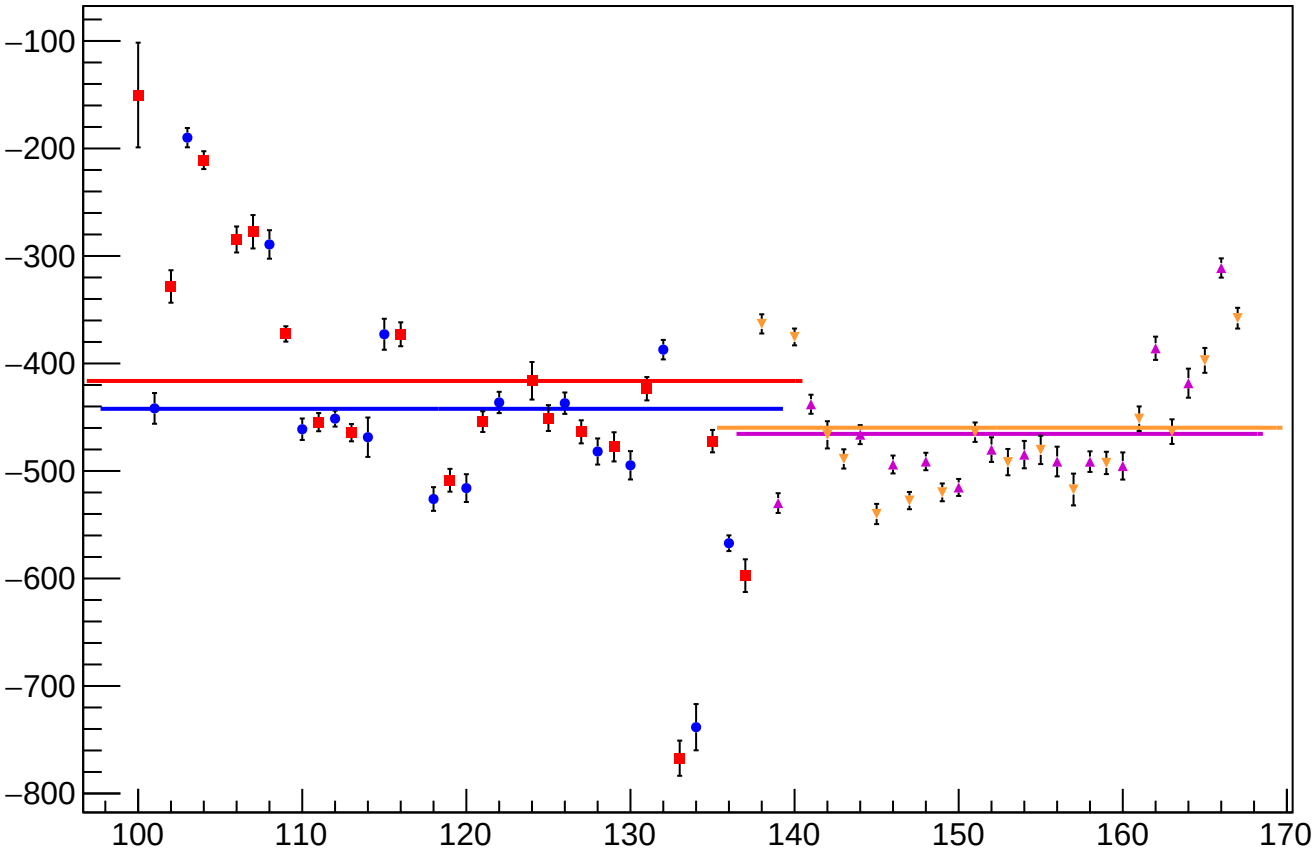
Left: -21.689+/-0.021 χ^2/NDF: 216801.6/29

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -21.200+/-0.027 χ^2/NDF:131680.1/29

Out: -21.888+/-0.026 χ^2/NDF:216498.6/34

All: -21.553+/-0.019 χ^2/NDF: 348509.8/64



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -459.774+/-2.493 χ^2/NDF:616.9/15

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -465.503+/-2.619 χ^2/NDF:502.6/13

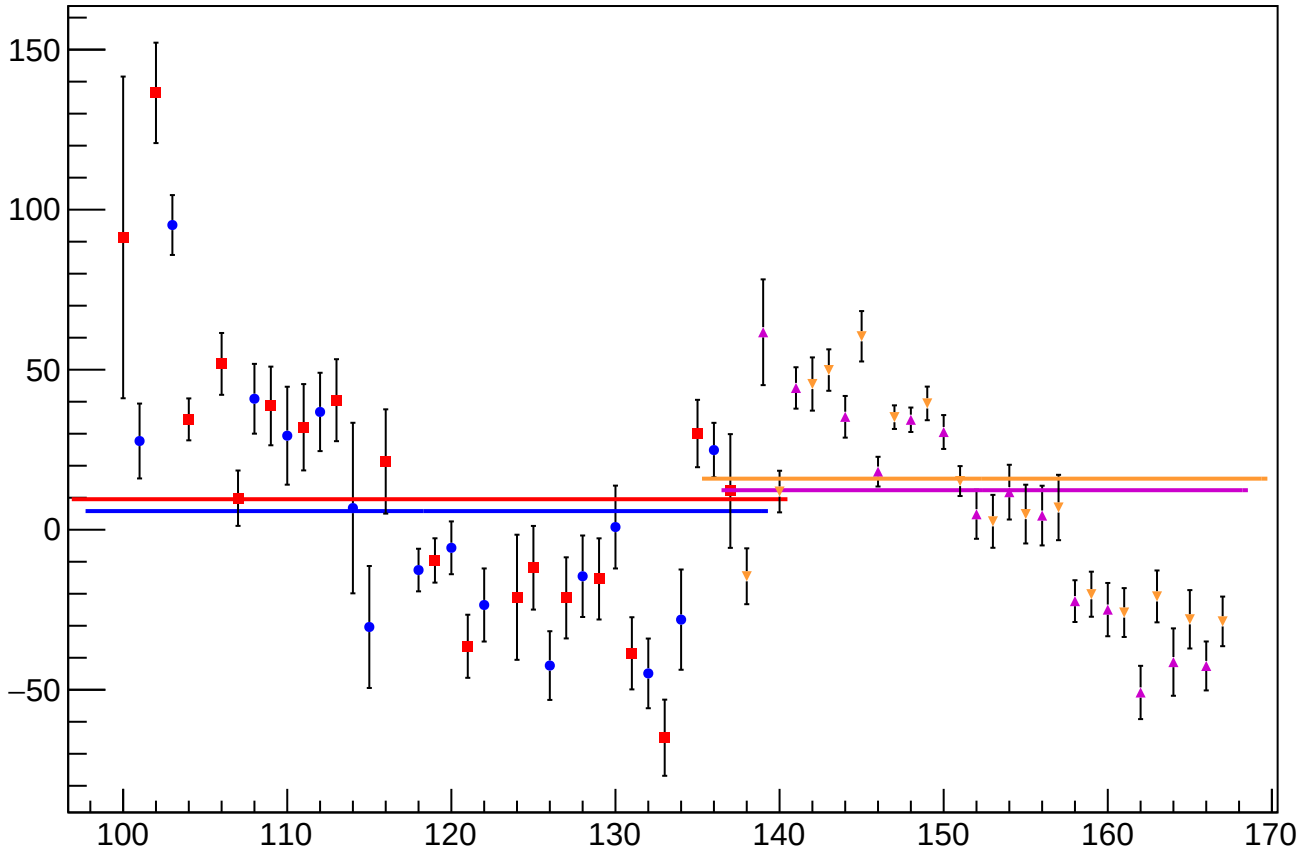
Left: -462.497+/-1.806 χ^2/NDF: 1122.0/29

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -454.117+/-1.874 χ^2/NDF:2130.4/29

Out: -438.273+/-1.773 χ^2/NDF:2521.3/34

All: -445.758+/-1.288 χ^2/NDF: 4689.4/64



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 15.957+/-1.657 χ^2/NDF:269.9/15

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 12.351+/-1.761 χ^2/NDF:277.6/13

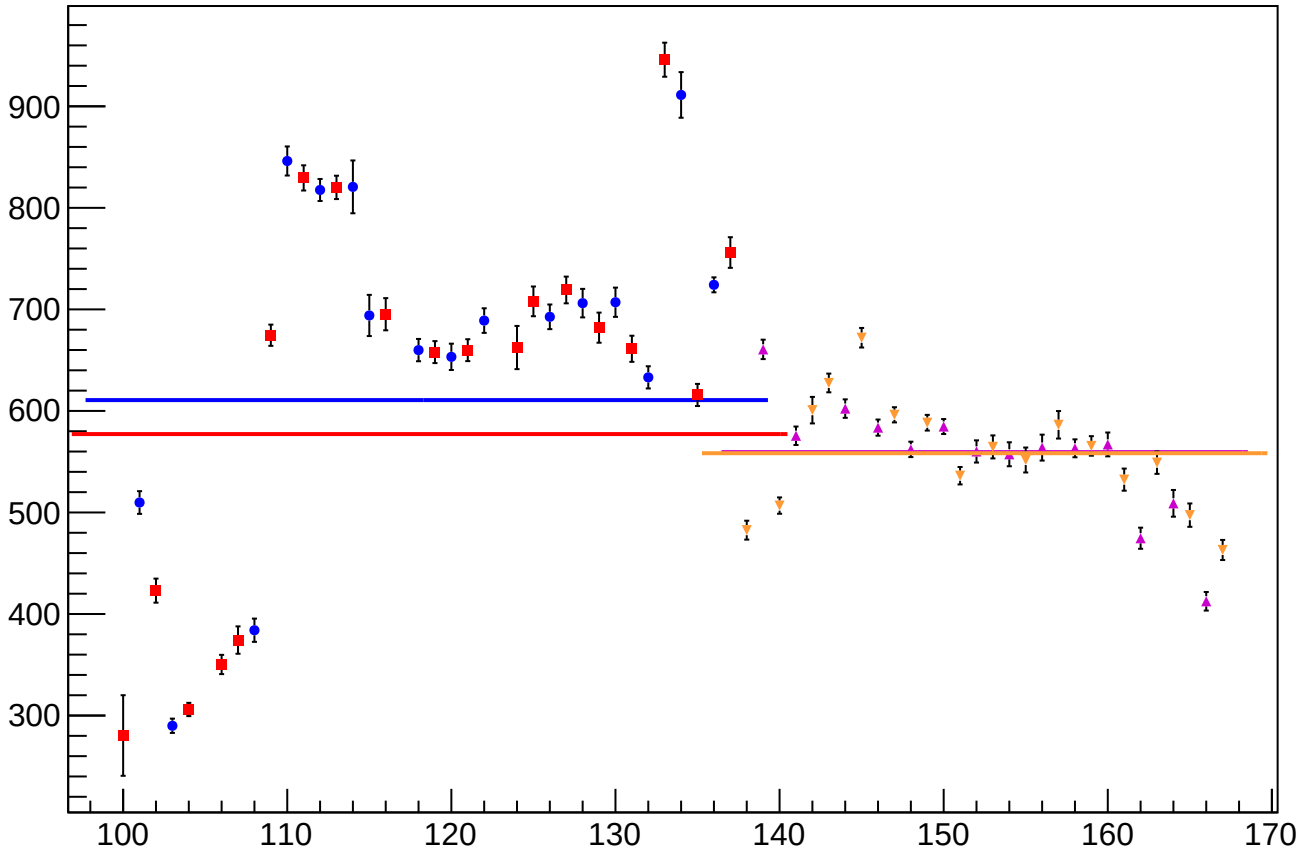
Left: 14.263+/-1.207 χ^2/NDF: 549.7/29

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 10.432+/-1.479 χ^2/NDF:469.7/29

Out: 14.057+/-1.391 χ^2/NDF:496.5/34

All: 12.356+/-1.013 χ^2/NDF: 969.4/64



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 558.360+/-2.435 χ^2/NDF:493.4/15

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 559.451+/-2.537 χ^2/NDF:497.8/13

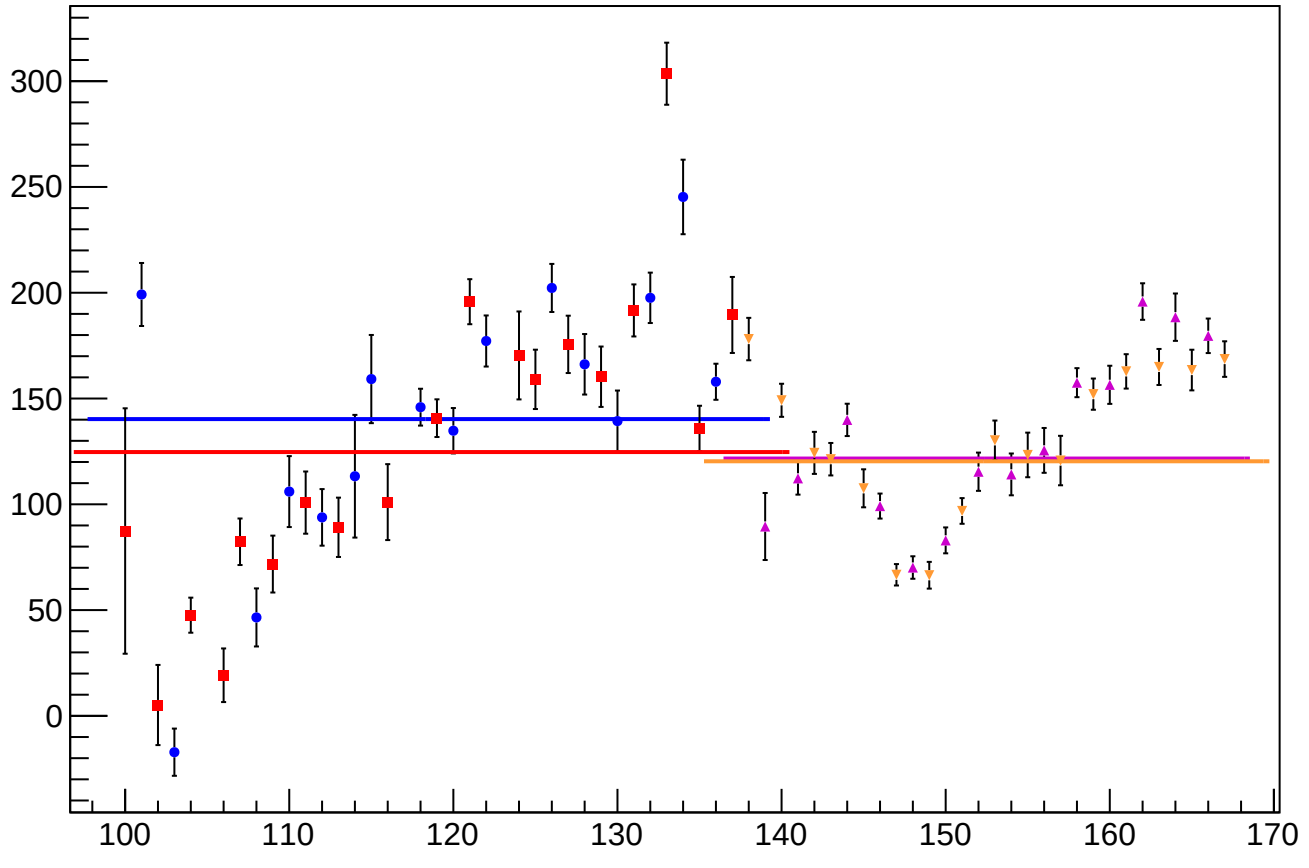
Left: 558.883+/-1.757 χ^2/NDF: 991.3/29

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 581.717+/-1.907 χ^2/NDF:4567.6/29

Out: 566.625+/-1.825 χ^2/NDF:5320.0/34

All: 573.838+/-1.318 χ^2/NDF: 9920.3/64



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 120.331+/-1.972 χ^2/NDF:376.5/15

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 121.629+/-2.085 χ^2/NDF:363.1/13

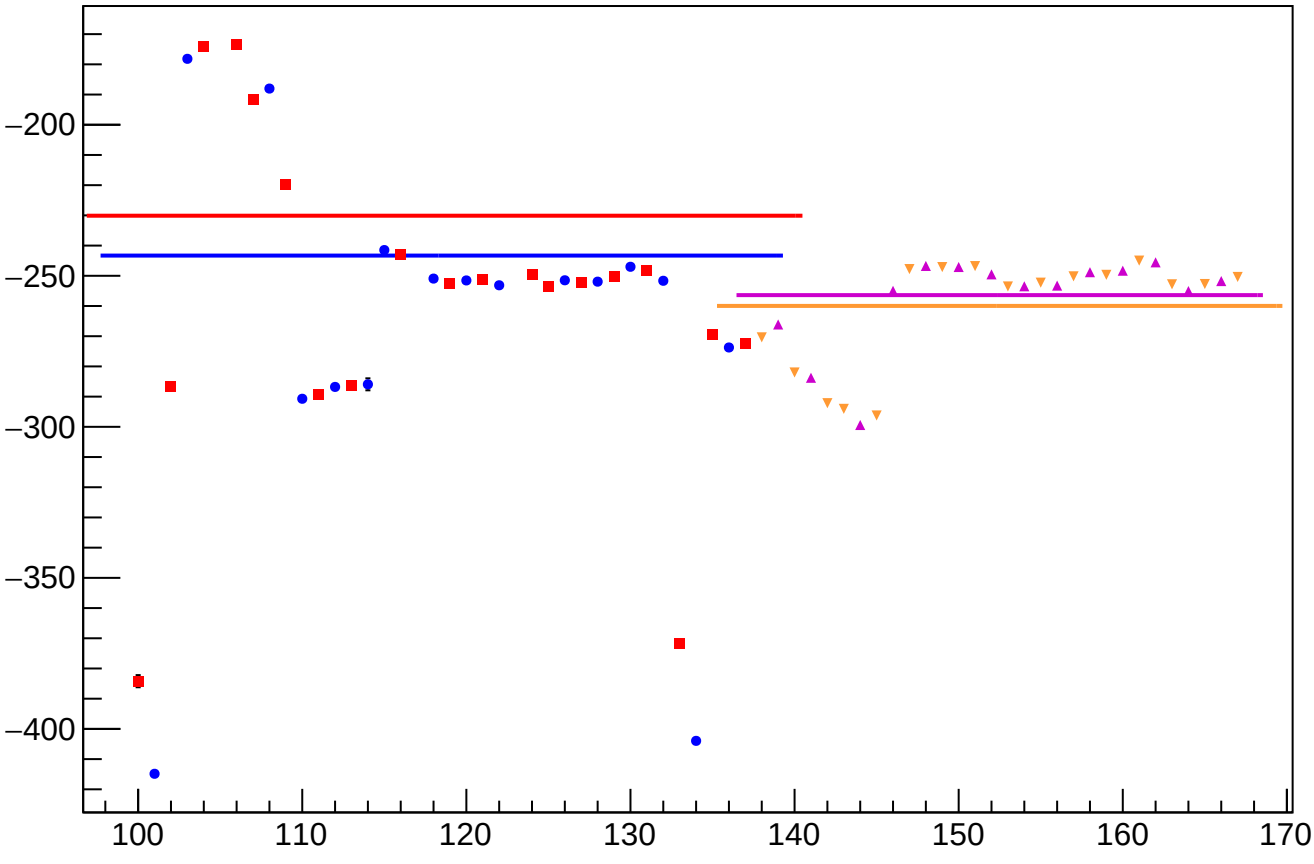
Left: 120.944+/-1.433 χ^2/NDF: 739.9/29

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 127.307+/-1.739 χ^2/NDF:772.9/29

Out: 121.662+/-1.645 χ^2/NDF:886.6/34

All: 124.327+/-1.195 χ^2/NDF: 1665.0/64



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -259.971+/-0.095 χ^2/NDF:34337.2/15

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -256.398+/-0.098 χ^2/NDF:21703.8/13

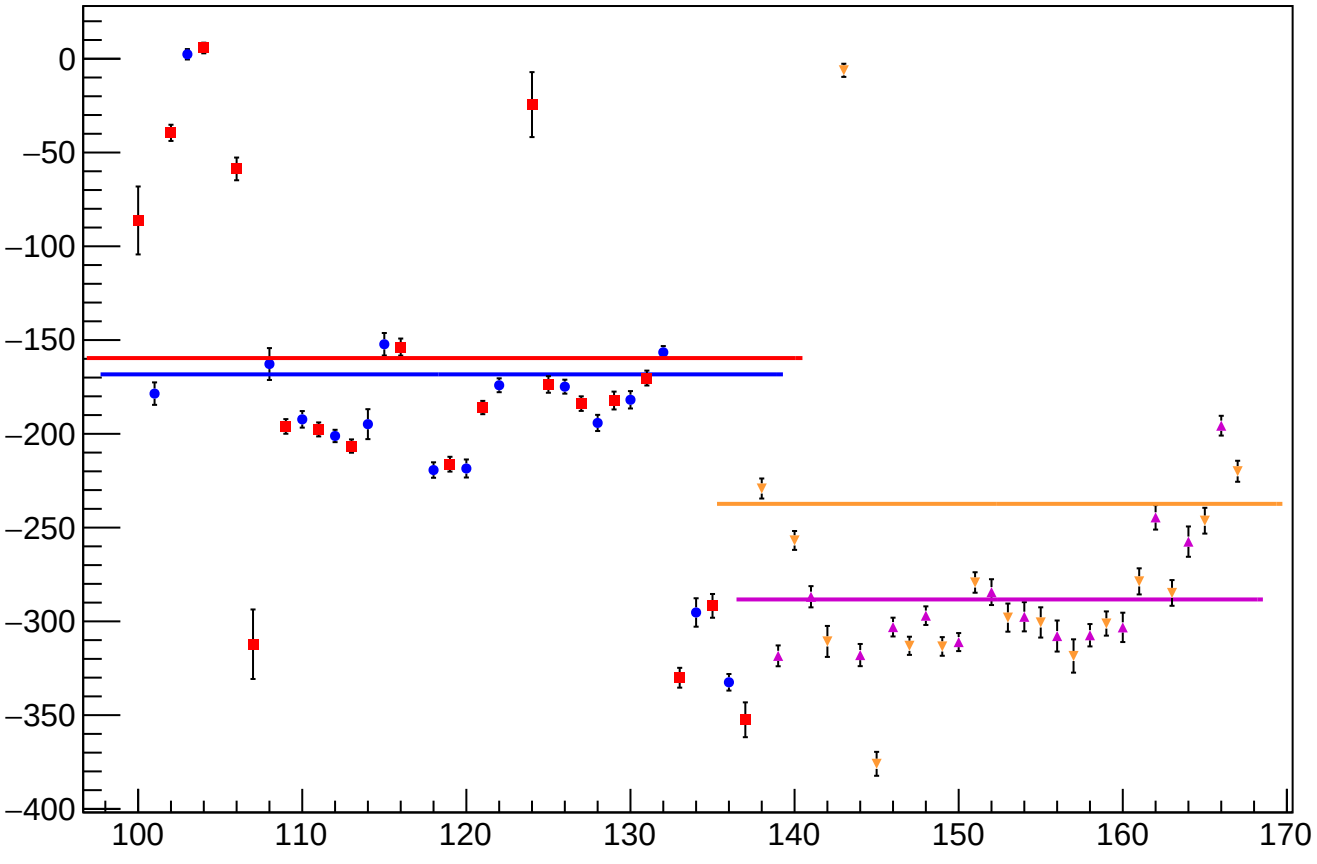
Left: -258.240+/-0.068 χ^2/NDF: 56732.4/29

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.931+/-0.084 χ^2/NDF:199961.5/29

Out: -252.046+/-0.081 χ^2/NDF:163240.7/34

All: -252.475+/-0.058 χ^2/NDF: 363260.0/64



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -237.339+/-1.449 χ^2/NDF:5845.8/15

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -288.314+/-1.607 χ^2/NDF:477.9/13

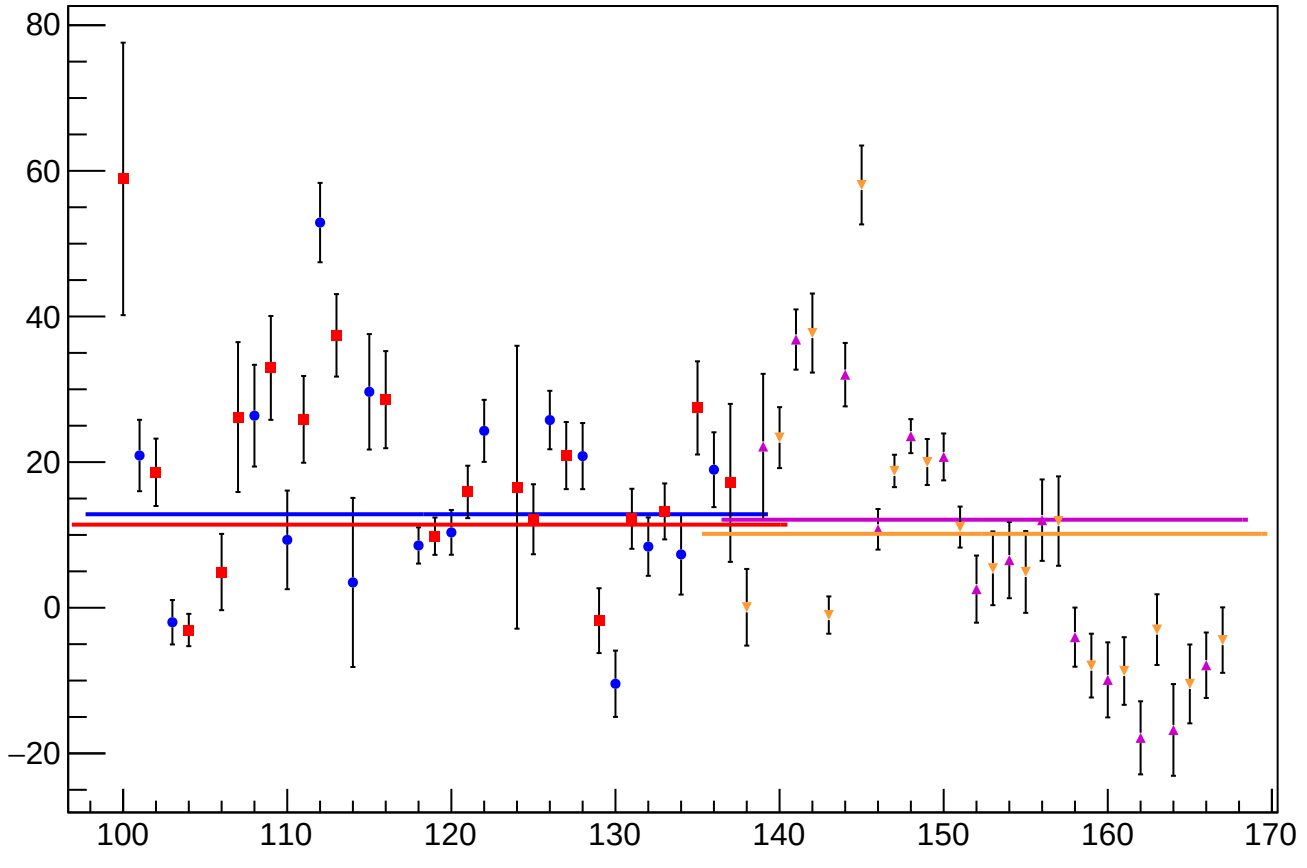
Left: -260.209+/-1.076 χ^2/NDF: 6878.6/29

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -205.440+/-0.894 χ^2/NDF:10238.4/29

Out: -186.101+/-0.846 χ^2/NDF:14939.7/34

All: -195.241+/-0.615 χ^2/NDF: 25425.0/64



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 10.150+/-0.970 χ^2/NDF:229.3/15

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 12.090+/-1.080 χ^2/NDF:205.1/13

Left: 11.016+/-0.721 χ^2/NDF: 436.1/29

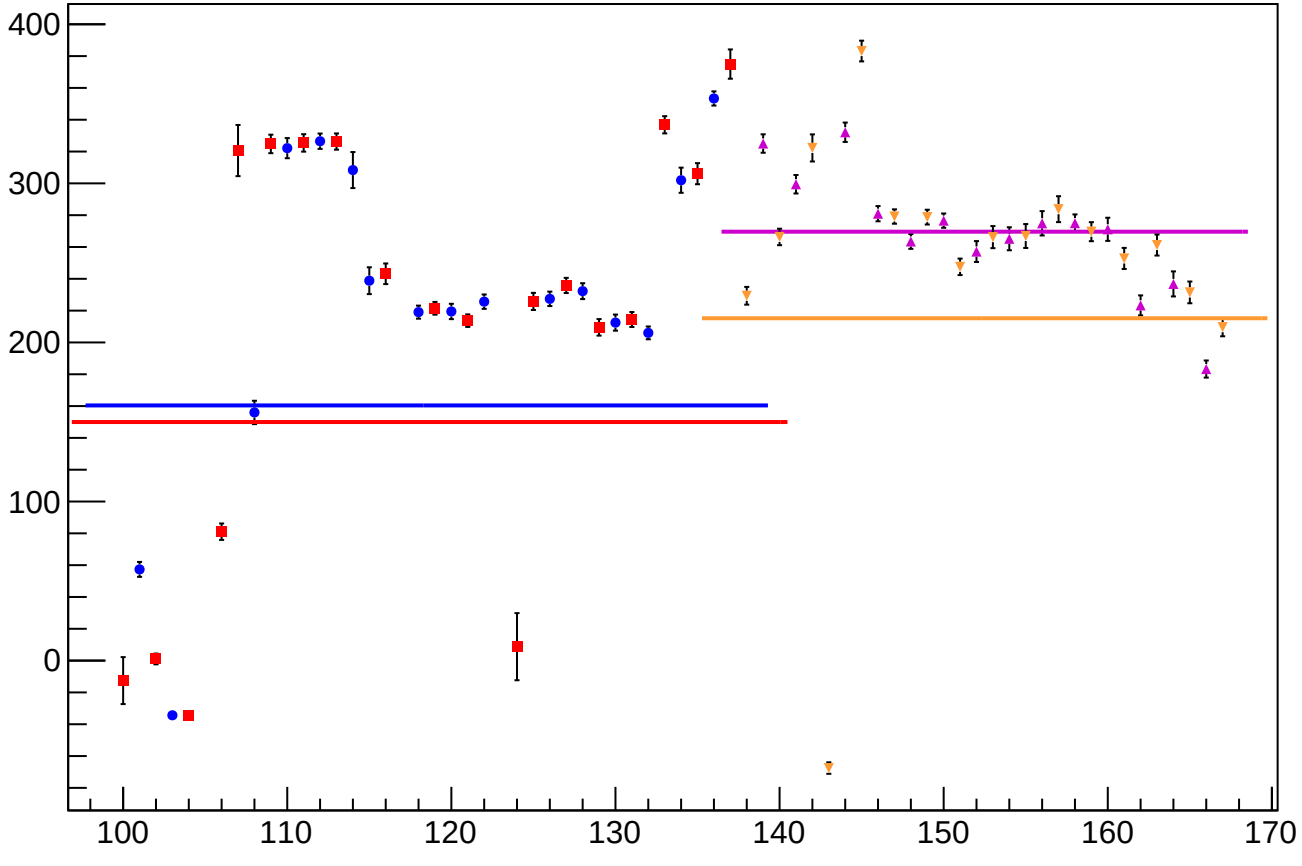
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 12.467+/-0.762 χ^2/NDF:349.0/29

Out: 10.740+/-0.708 χ^2/NDF:349.6/34

All: 11.540+/-0.519 χ^2/NDF: 701.4/64

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 215.212+/-1.421 χ^2/NDF:7831.9/15

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 269.621+/-1.555 χ^2/NDF:568.1/13

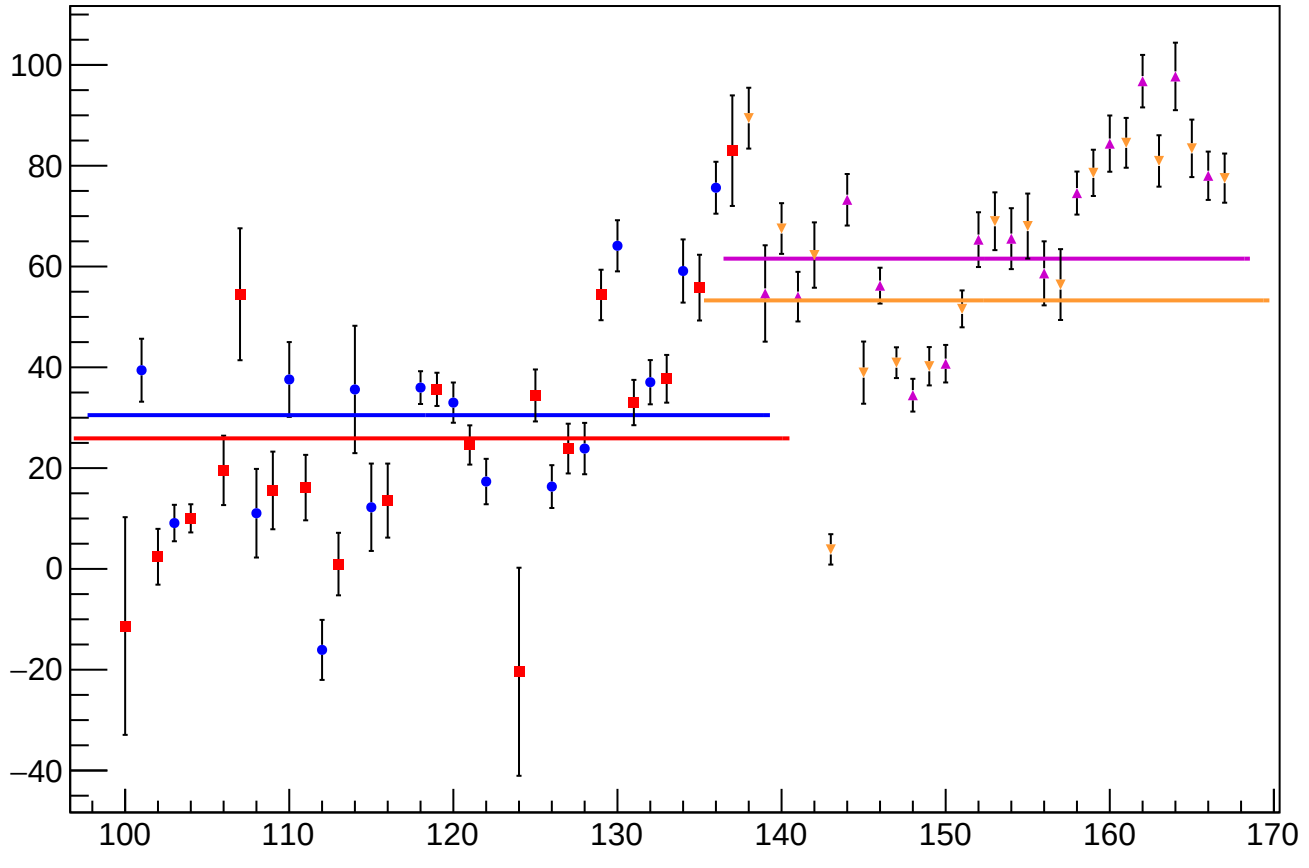
Left: 239.981+/-1.049 χ^2/NDF: 9067.2/29

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 198.548+/-0.919 χ^2/NDF:17728.8/29

Out: 174.599+/-0.873 χ^2/NDF:25408.6/34

All: 185.965+/-0.633 χ^2/NDF: 43494.4/64



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 53.276+/-1.153 χ^2/NDF:513.3/15

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 61.562+/-1.278 χ^2/NDF:224.9/13

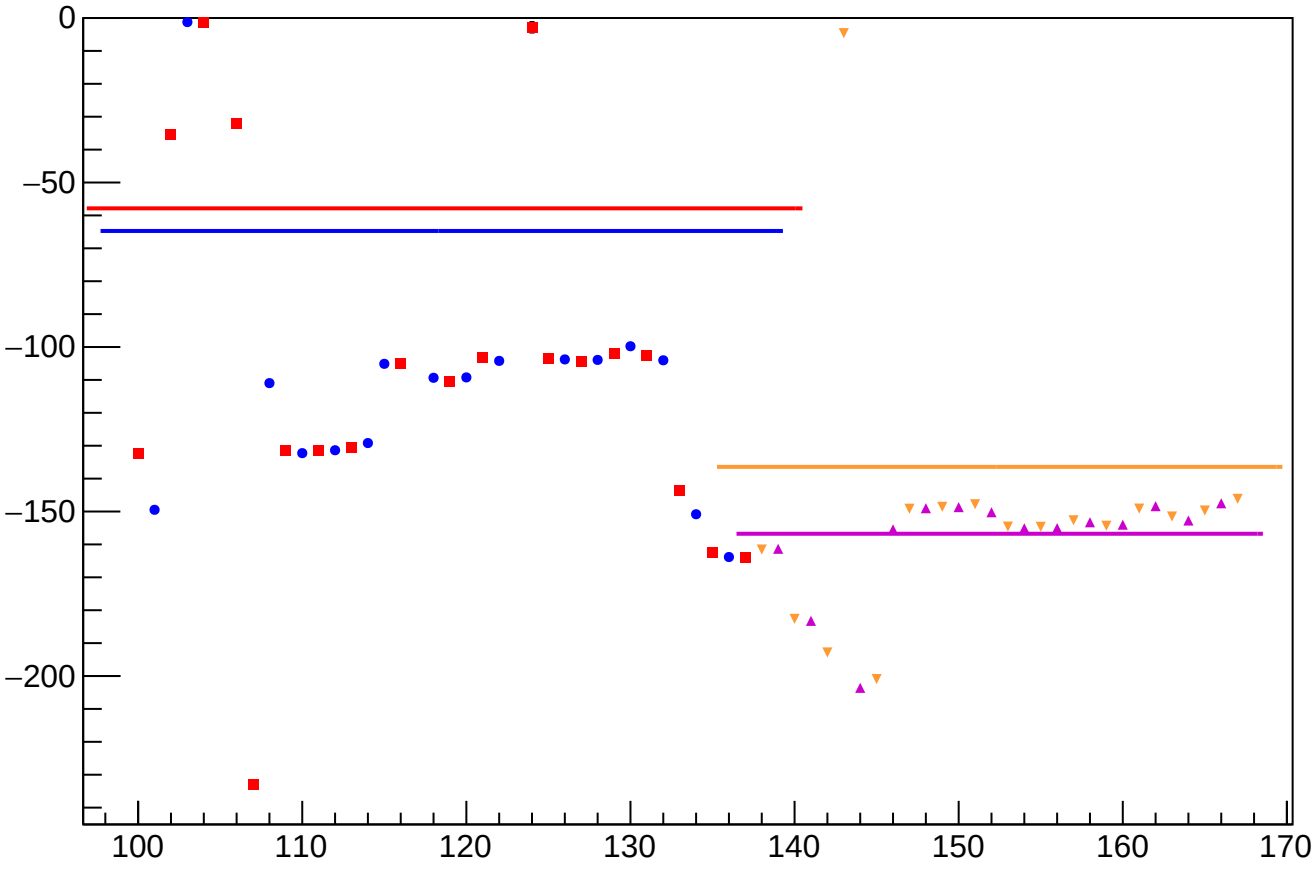
Left: 56.993+/-0.856 χ^2/NDF: 761.4/29

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 45.743+/-0.895 χ^2/NDF:802.4/29

Out: 40.285+/-0.836 χ^2/NDF:968.6/34

All: 42.826+/-0.611 χ^2/NDF: 1790.9/64



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -136.431+/-0.055 χ^2/NDF:960293.4/15

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -156.758+/-0.060 χ^2/NDF:50575.4/13

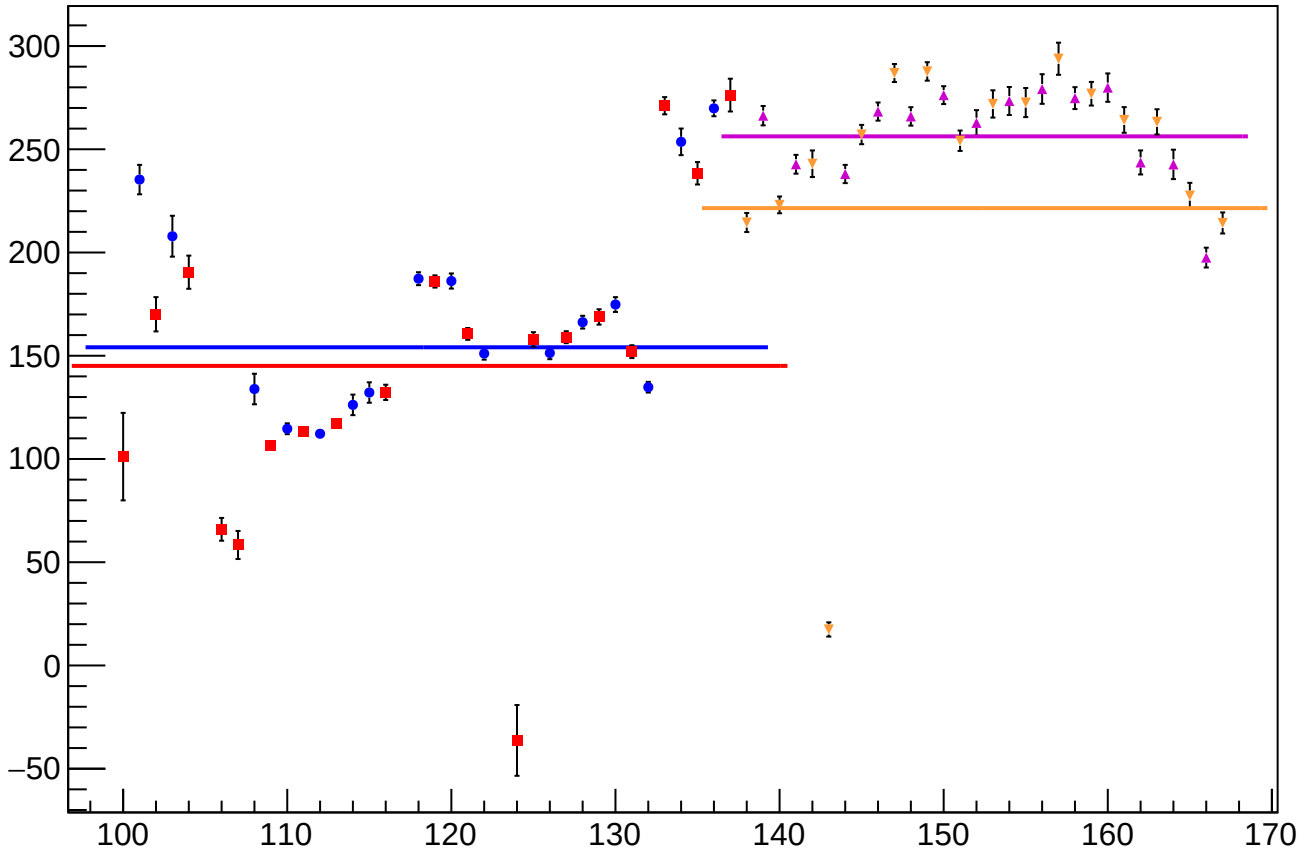
Left: -145.841+/-0.041 χ^2/NDF: 1073182.5/29

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -113.808+/-0.044 χ^2/NDF:2205020.4/29

Out: -101.636+/-0.041 χ^2/NDF:2726724.9/34

All: -107.403+/-0.030 χ^2/NDF: 4972790.8/64



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 221.492+/-1.278 χ^2/NDF:4457.1/15

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 256.253+/-1.391 χ^2/NDF:263.4/13

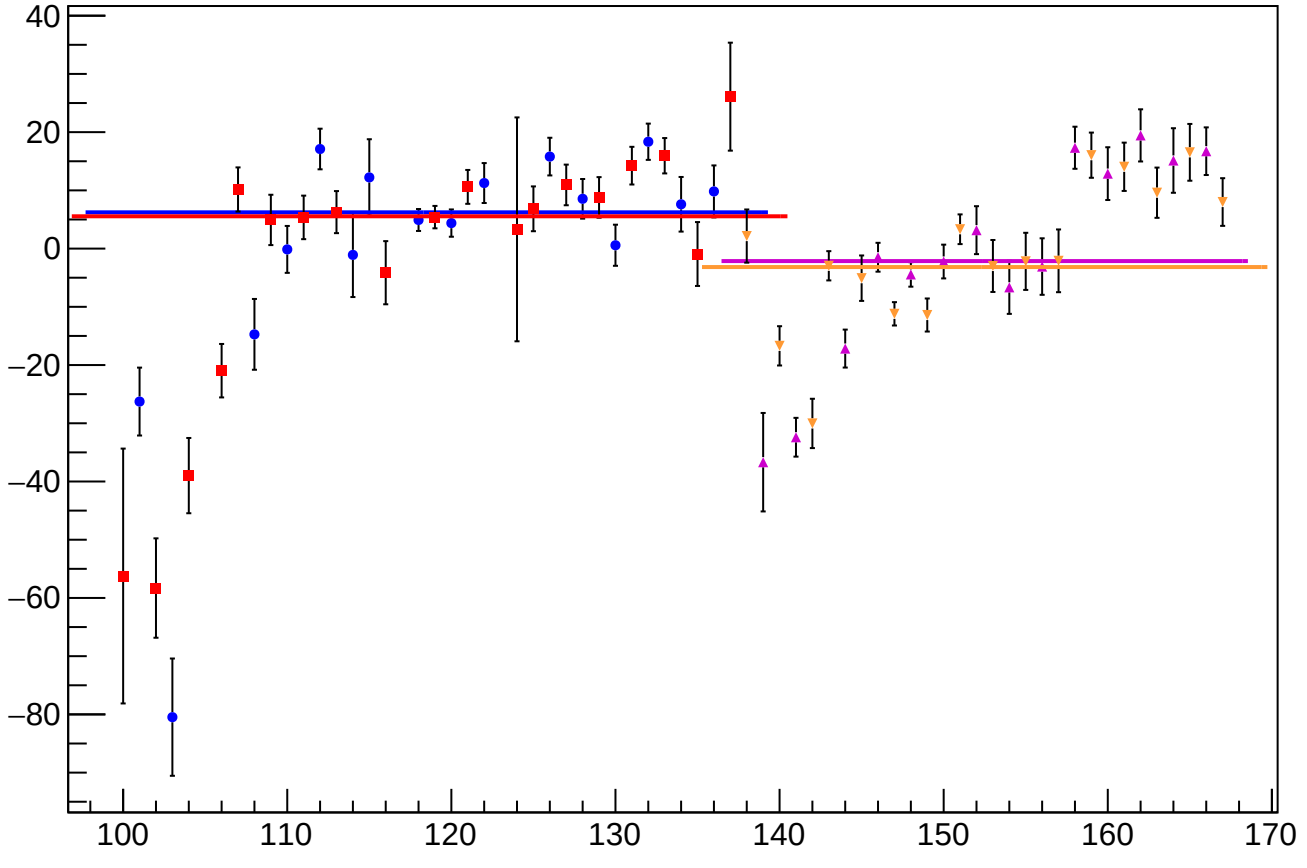
Left: 237.401+/-0.941 χ^2/NDF: 5059.3/29

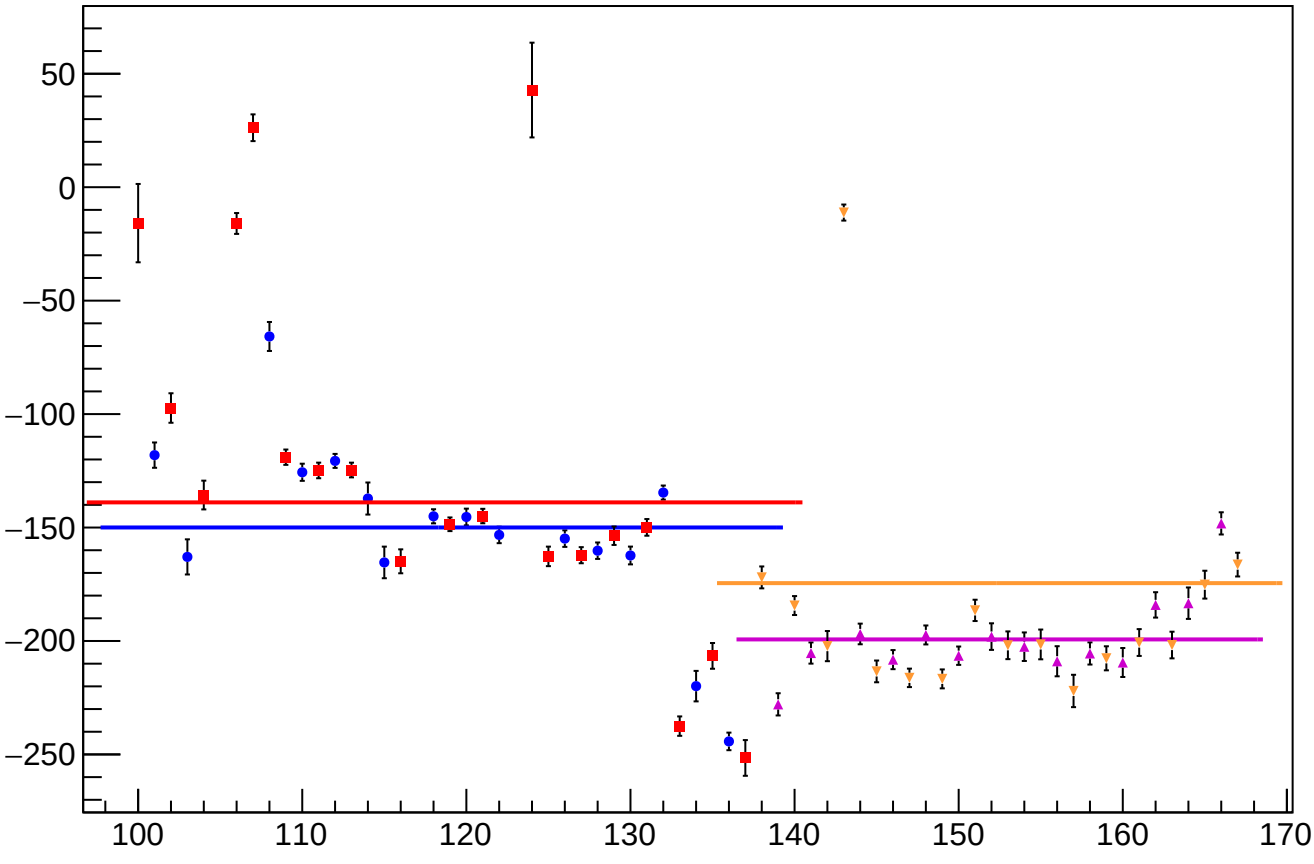
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 182.787+/-0.737 χ^2/NDF:6424.8/29

Out: 167.608+/-0.694 χ^2/NDF:9937.9/34

All: 174.738+/-0.505 χ^2/NDF: 16587.6/64


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -3.171+/-0.861 χ²/NDF:163.2/15
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -2.145+/-0.944 χ²/NDF:218.6/13
Left: -2.704+/-0.636 χ²/NDF: 382.5/29
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 2.287+/-0.647 χ²/NDF:422.3/29
Out: 1.048+/-0.619 χ²/NDF:393.9/34
All: 1.639+/-0.447 χ²/NDF: 818.2/64



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -174.501+/-1.255 χ^2/NDF:2591.9/15

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -199.310+/-1.350 χ^2/NDF:172.4/13

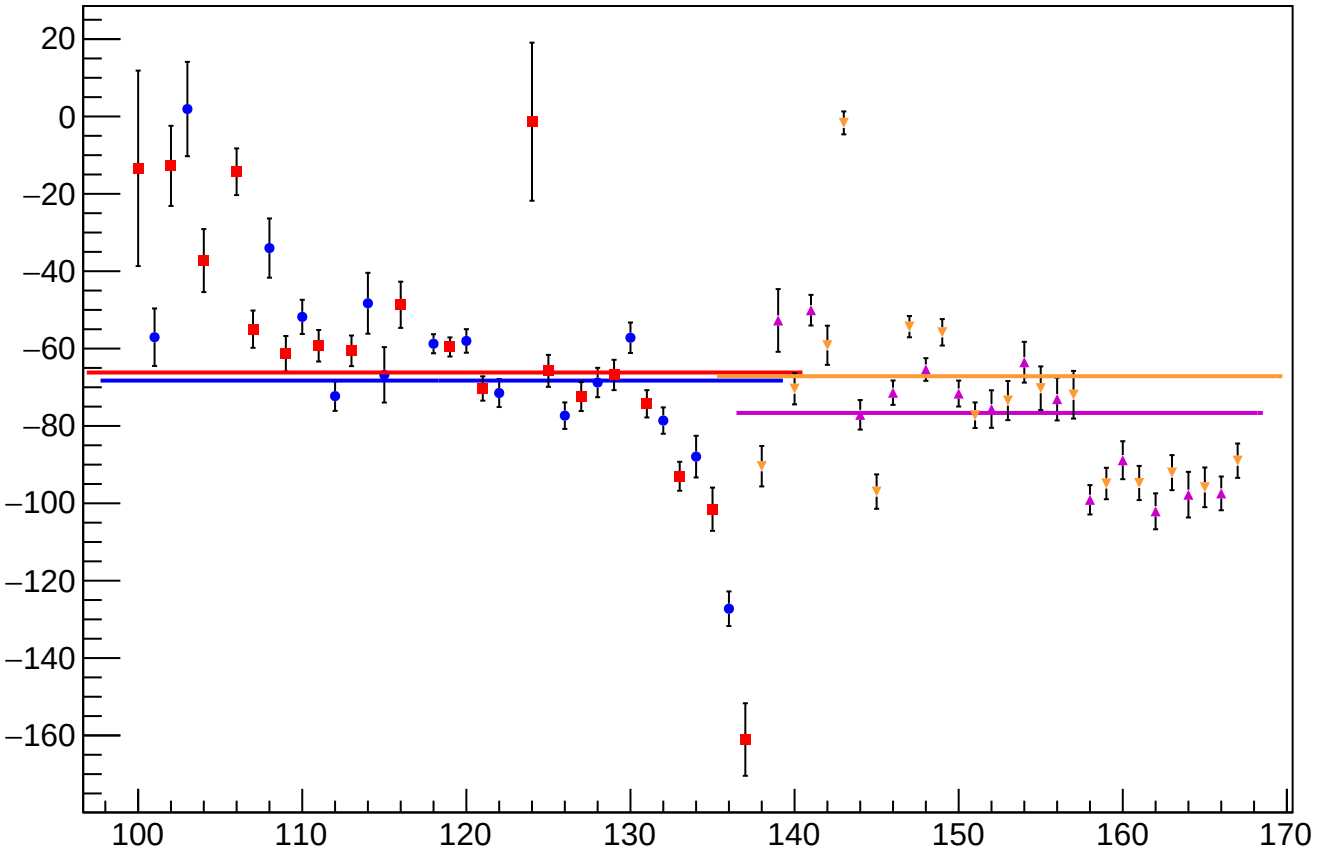
Left: -185.998+/-0.919 χ^2/NDF: 2945.5/29

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -168.027+/-0.817 χ^2/NDF:2118.8/29

Out: -152.628+/-0.779 χ^2/NDF:5837.4/34

All: -159.962+/-0.564 χ^2/NDF: 8142.4/64



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.143+/-1.023 χ^2/NDF:772.4/15

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -76.638+/-1.116 χ^2/NDF:186.6/13

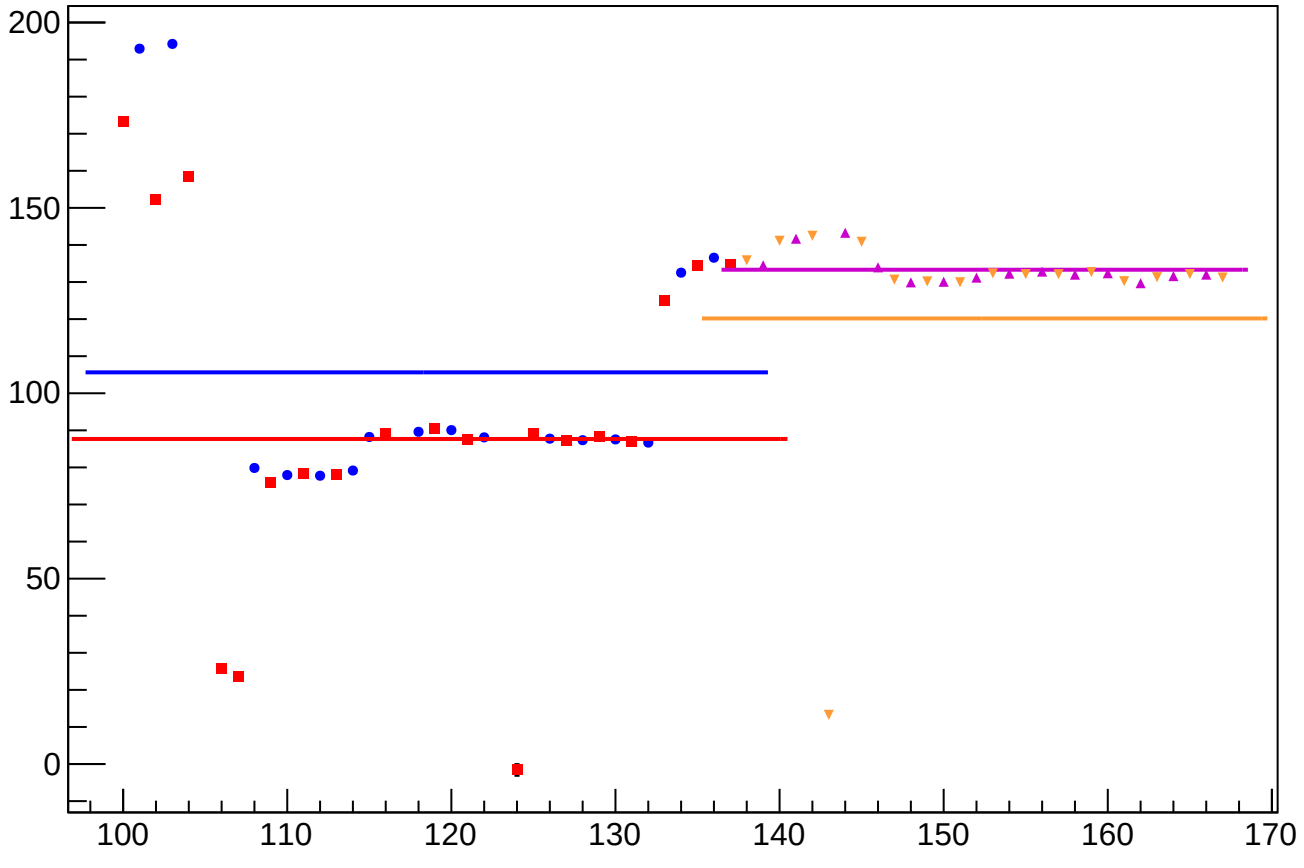
Left: -71.480+/-0.754 χ^2/NDF: 998.4/29

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.135+/-0.758 χ^2/NDF:532.3/29

Out: -66.665+/-0.724 χ^2/NDF:1131.2/34

All: -69.273+/-0.523 χ^2/NDF: 1690.7/64



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 120.180+/-0.049 χ^2/NDF:600198.2/15

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 133.320+/-0.052 χ^2/NDF:5771.4/13

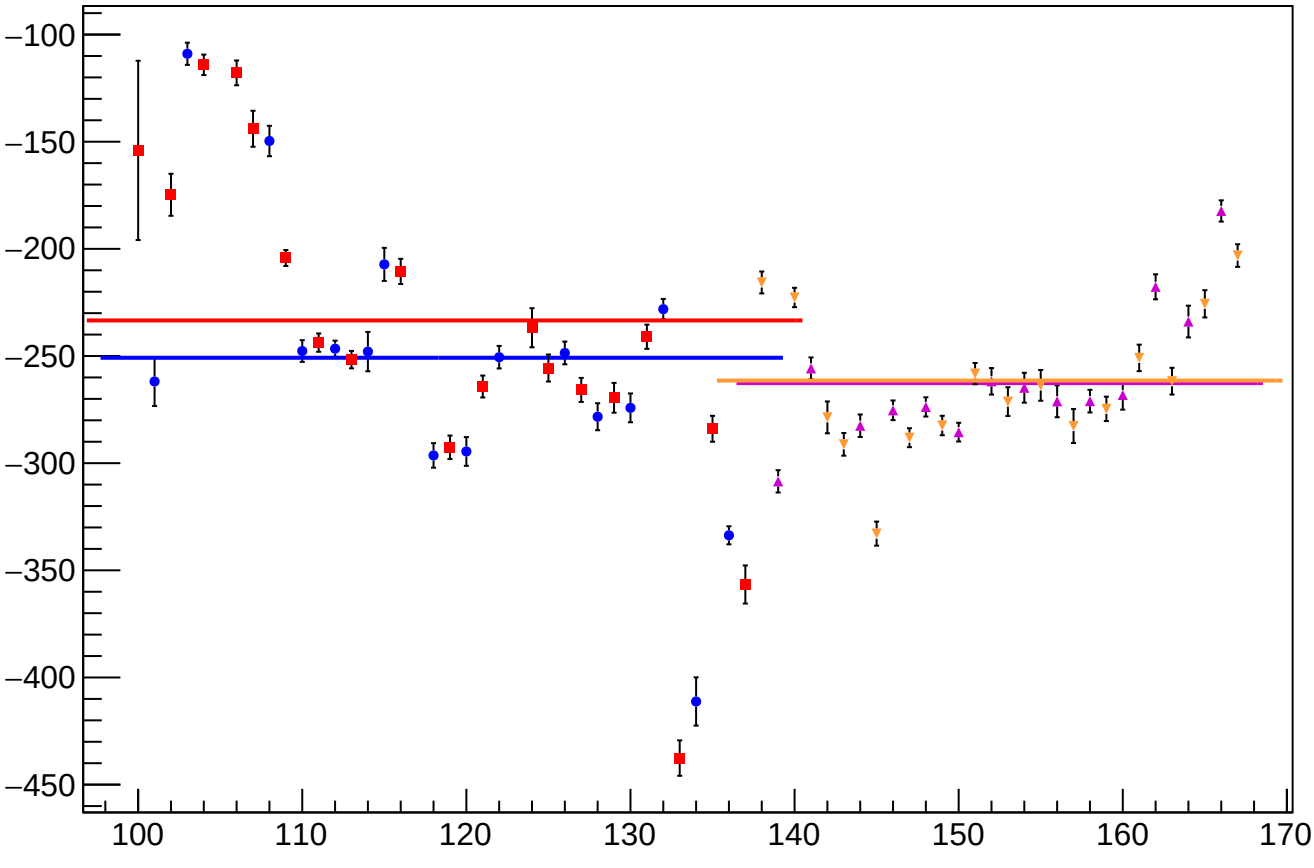
Left: 126.354+/-0.036 χ^2/NDF: 639872.3/29

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 123.636+/-0.042 χ^2/NDF:344671.3/29

Out: 108.570+/-0.039 χ^2/NDF:1132380.6/34

All: 115.607+/-0.029 χ^2/NDF: 1545967.0/64



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -261.457+/-1.395 χ^2/NDF:582.1/15

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -262.631+/-1.457 χ^2/NDF:475.6/13

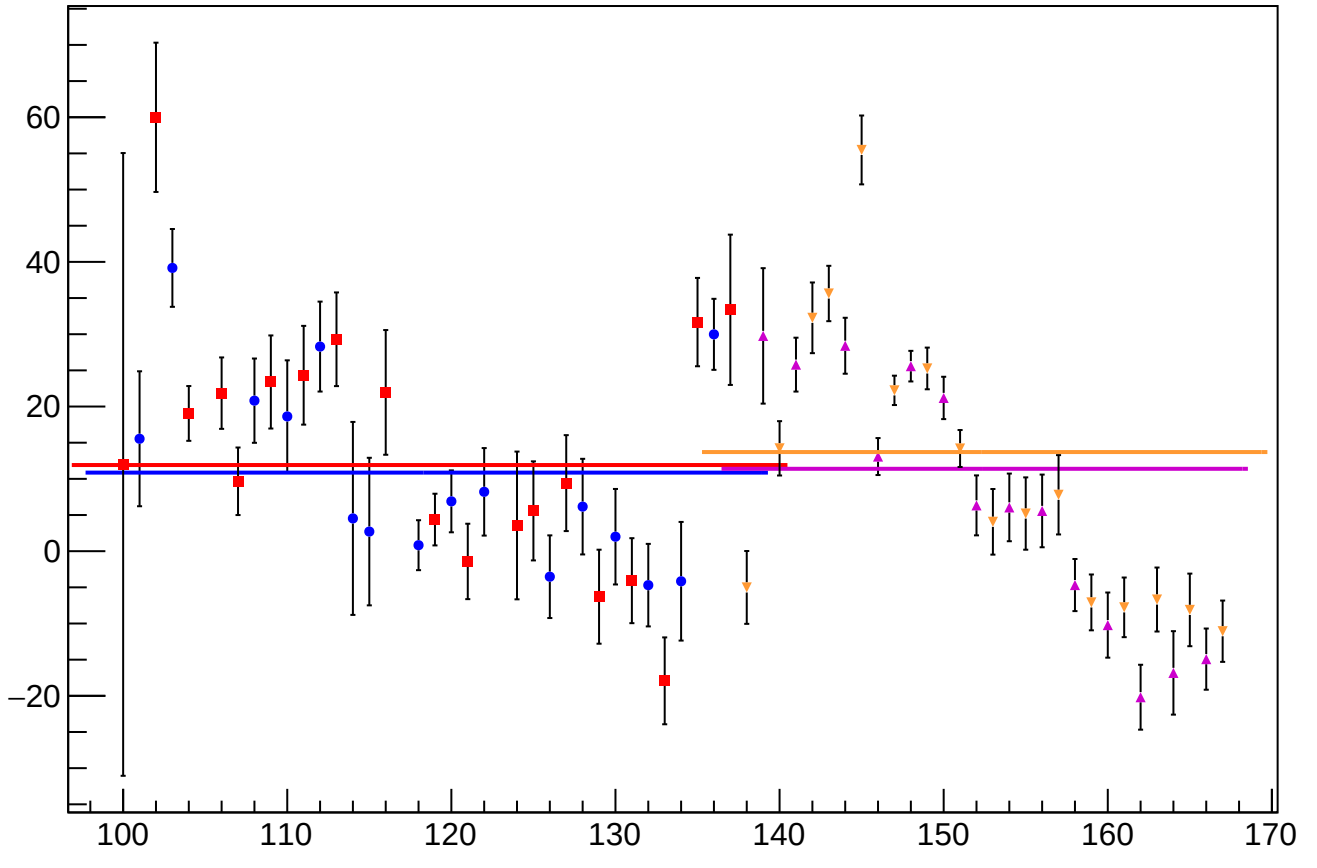
Left: -262.018+/-1.007 χ^2/NDF: 1058.0/29

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -256.646+/-1.023 χ^2/NDF:2244.7/29

Out: -246.793+/-0.964 χ^2/NDF:3172.0/34

All: -251.424+/-0.702 χ^2/NDF: 5465.8/64



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 13.707+/-0.923 χ^2/NDF:310.9/15

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 11.391+/-0.976 χ^2/NDF:254.0/13

Left: 12.614+/-0.671 χ^2/NDF: 567.9/29

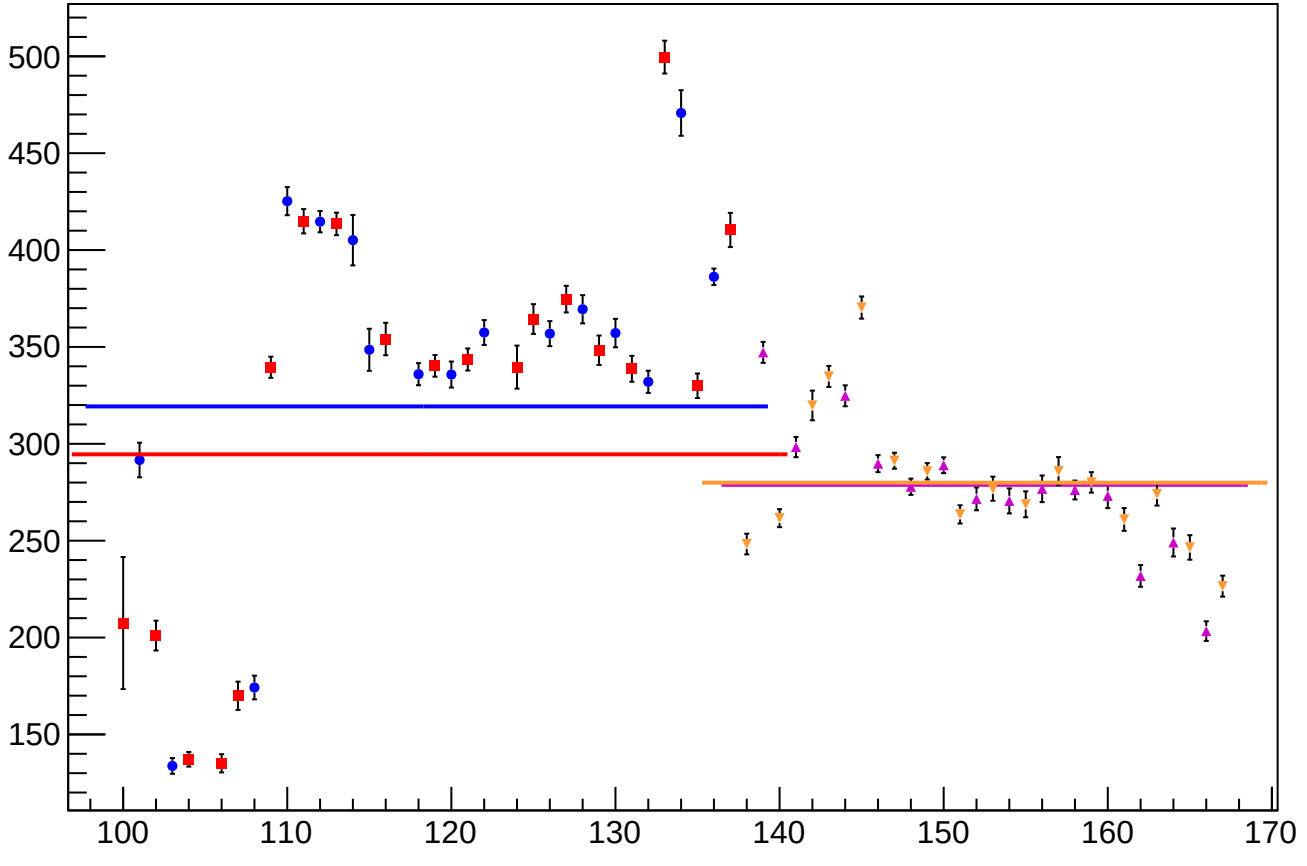
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 11.230+/-0.813 χ^2/NDF:338.8/29

Out: 13.146+/-0.765 χ^2/NDF:424.0/34

All: 12.247+/-0.557 χ^2/NDF: 765.7/64

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 279.935+/-1.359 χ^2/NDF:590.3/15

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 278.846+/-1.408 χ^2/NDF:571.5/13

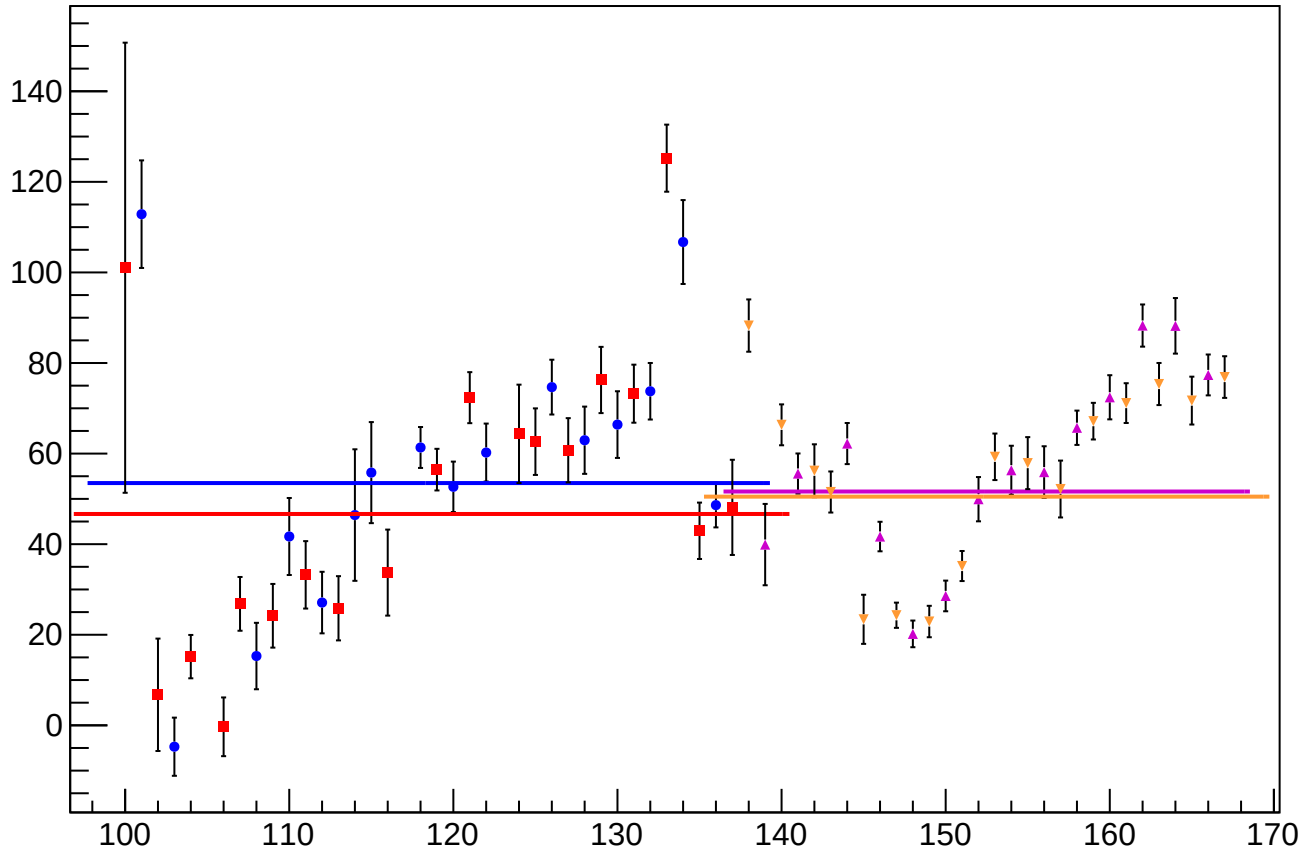
Left: 279.410+/-0.978 χ^2/NDF: 1162.2/29

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 296.677+/-1.053 χ^2/NDF:4728.1/29

Out: 286.622+/-1.001 χ^2/NDF:6146.5/34

All: 291.397+/-0.726 χ^2/NDF: 10922.5/64



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 50.494+/-1.098 χ^2/NDF:375.4/15

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 51.626+/-1.156 χ^2/NDF:341.1/13

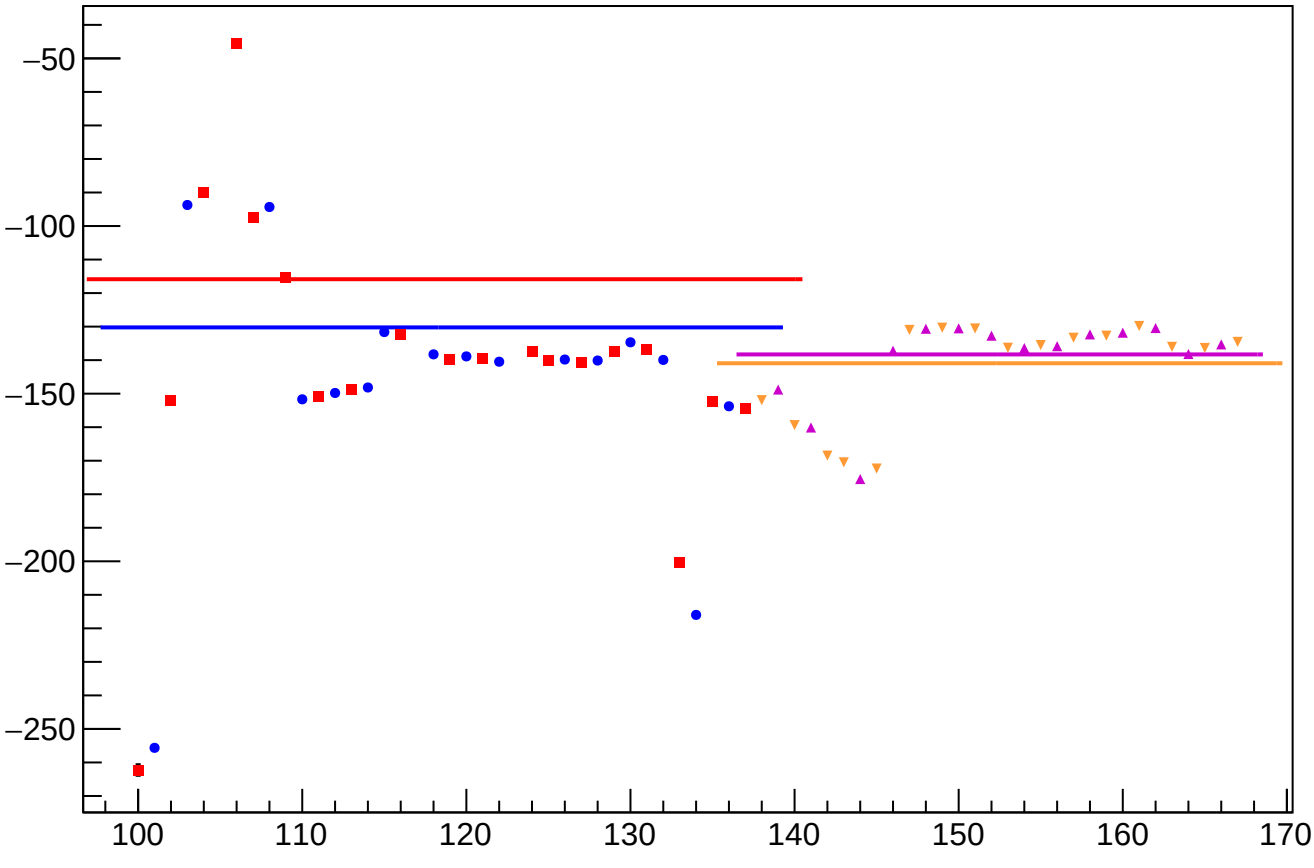
Left: 51.031+/-0.796 χ^2/NDF: 717.1/29

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 52.217+/-0.955 χ^2/NDF:559.2/29

Out: 49.262+/-0.904 χ^2/NDF:705.0/34

All: 50.658+/-0.657 χ^2/NDF: 1269.2/64



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -140.933+/-0.053 χ^2/NDF:72892.0/15

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -138.296+/-0.054 χ^2/NDF:45724.1/13

Left: -139.649+/-0.038 χ^2/NDF: 119839.1/29

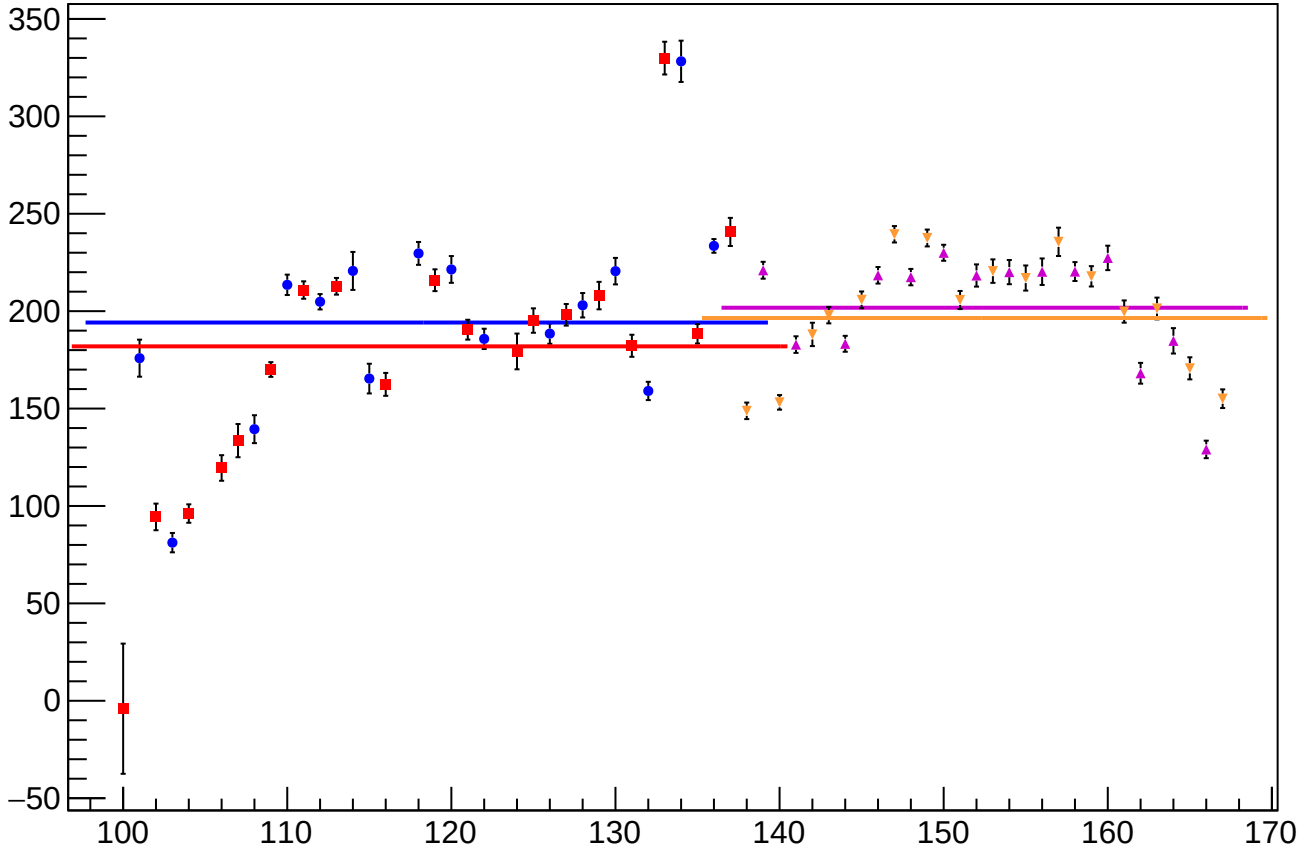
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.200+/-0.046 χ^2/NDF:225726.5/29

Out: -134.076+/-0.045 χ^2/NDF:340919.1/34

All: -135.100+/-0.032 χ^2/NDF: 567728.2/64

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 196.490+/-1.226 χ^2/NDF:633.1/15

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 201.759+/-1.298 χ^2/NDF:500.2/13

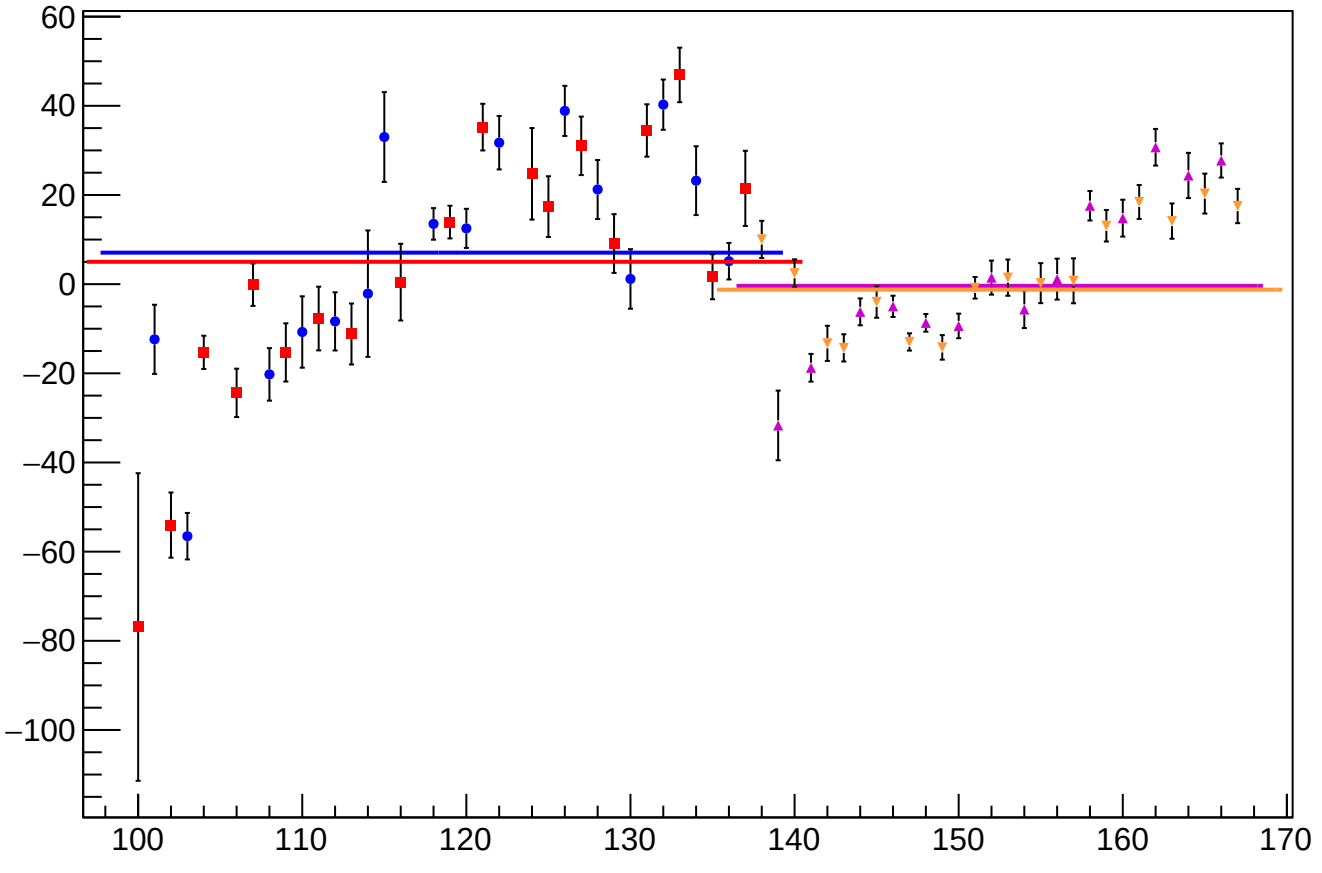
Left: 198.975+/-0.891 χ^2/NDF: 1142.0/29

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 198.267+/-0.954 χ^2/NDF:1551.1/29

Out: 189.757+/-0.899 χ^2/NDF:1903.2/34

All: 193.760+/-0.654 χ^2/NDF: 3496.4/64



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -1.238+/-0.827 χ^2/NDF:201.8/15

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -0.391+/-0.883 χ^2/NDF:266.4/13

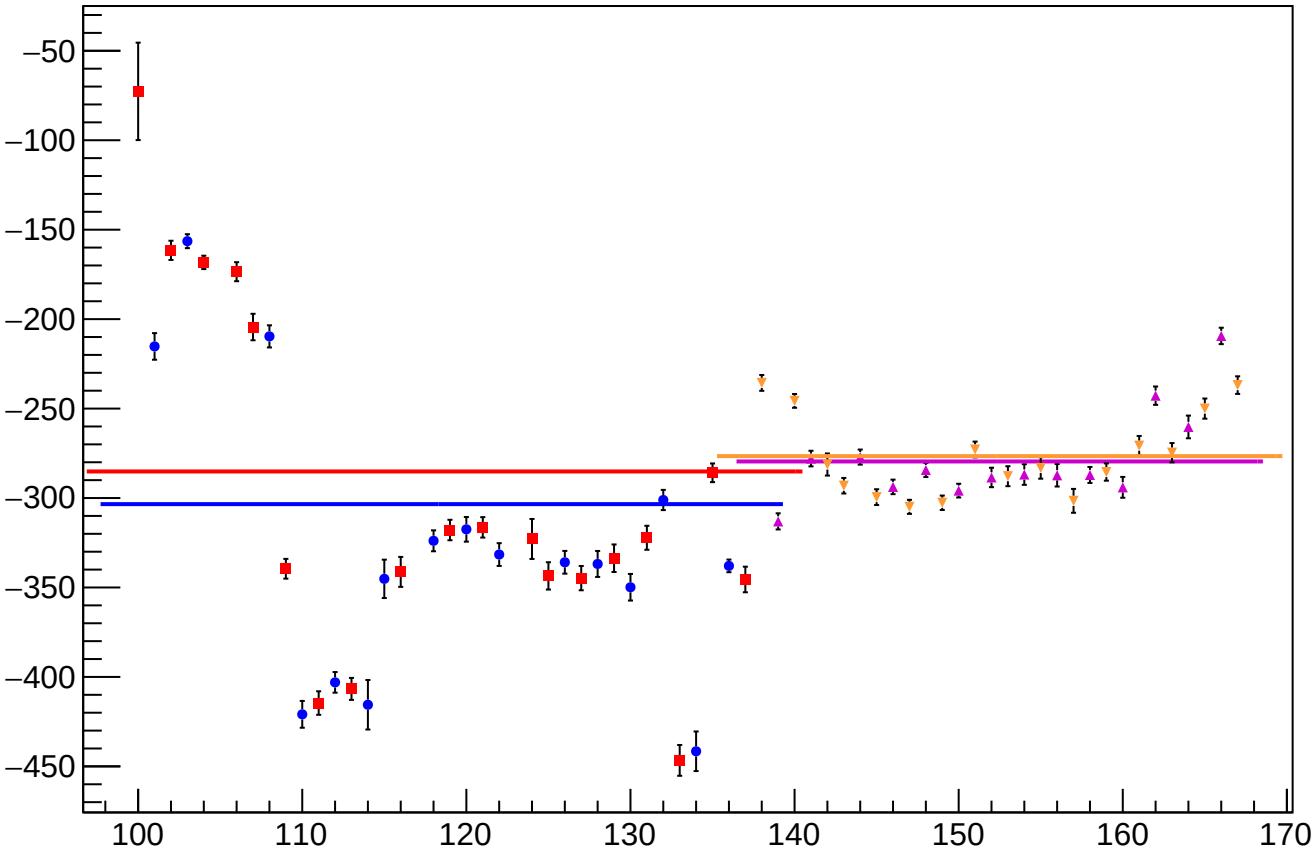
Left: -0.842+/-0.604 χ^2/NDF: 468.7/29

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 1.642+/-0.753 χ^2/NDF:578.4/29

Out: 0.460+/-0.706 χ^2/NDF:505.8/34

All: 1.013+/-0.515 χ^2/NDF: 1085.5/64



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -276.574+/-1.201 χ^2/NDF:397.7/15

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -279.557+/-1.260 χ^2/NDF:396.9/13

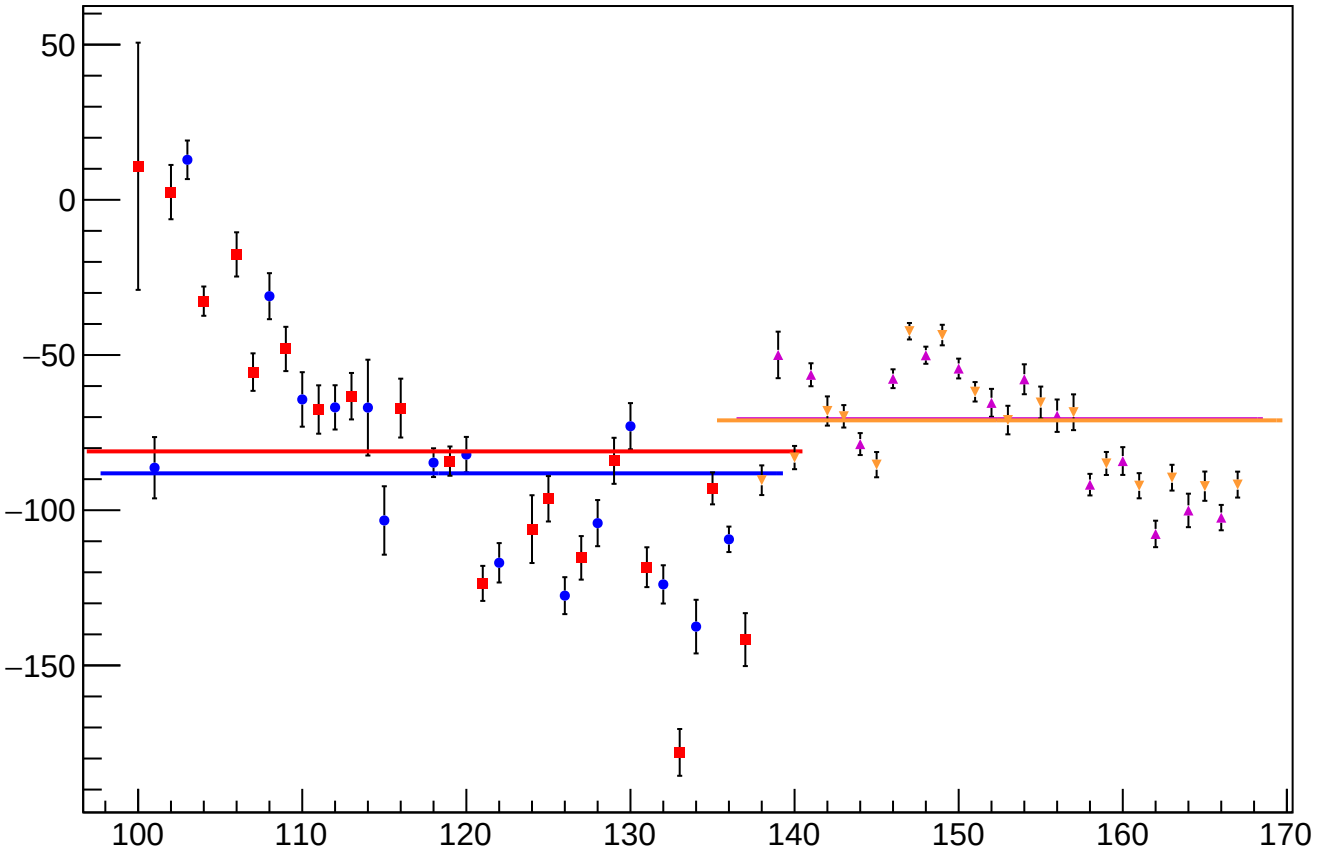
Left: -277.994+/-0.869 χ^2/NDF: 797.5/29

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -289.194+/-0.973 χ^2/NDF:3327.2/29

Out: -280.061+/-0.925 χ^2/NDF:4173.2/34

All: -284.401+/-0.670 χ^2/NDF: 7546.7/64



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -71.050+/-0.980 χ^2/NDF:341.1/15

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -70.672+/-1.042 χ^2/NDF:347.7/13

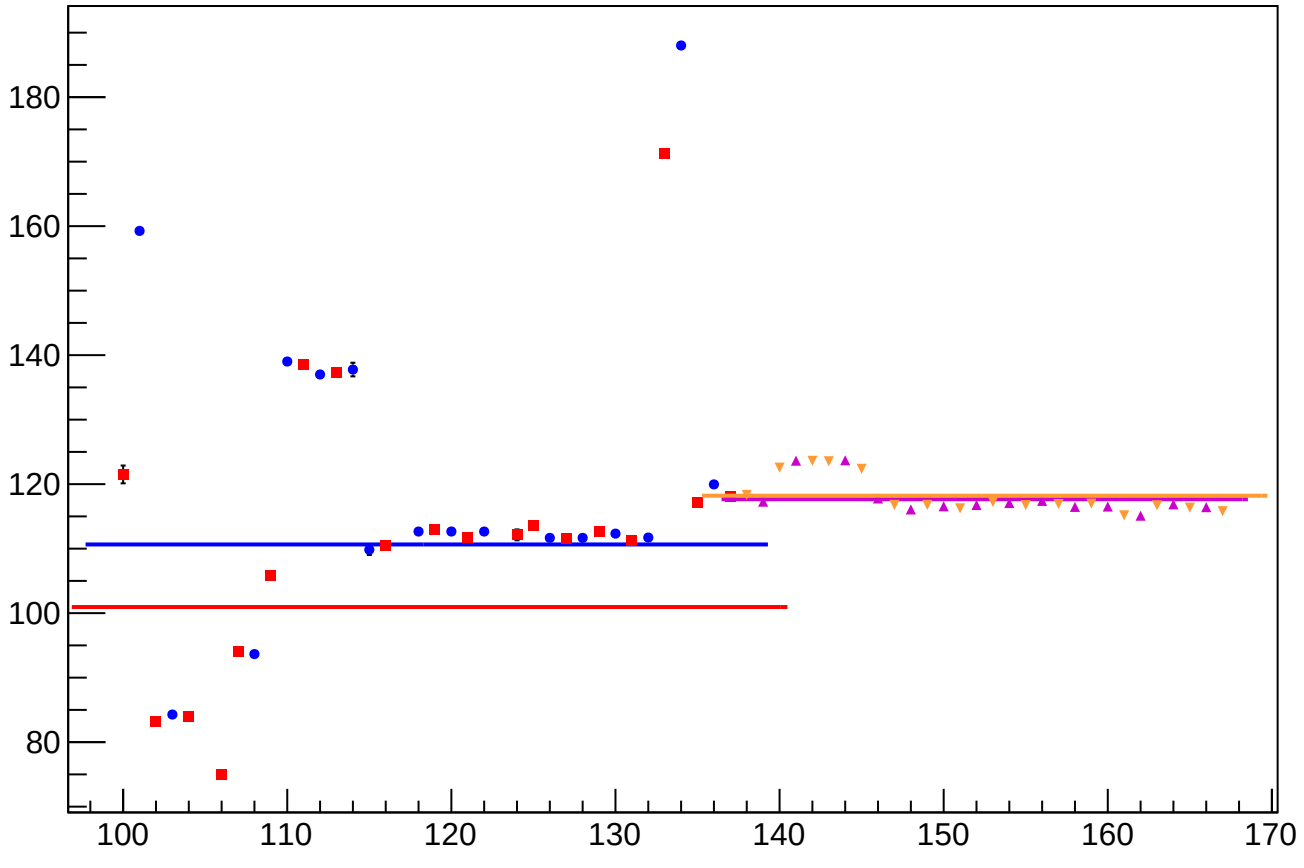
Left: -70.873+/-0.714 χ^2/NDF: 688.9/29

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -75.627+/-0.882 χ^2/NDF:939.2/29

Out: -73.856+/-0.831 χ^2/NDF:1047.8/34

All: -74.689+/-0.605 χ^2/NDF: 1989.2/64



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.210+/-0.047 χ^2/NDF:3533.1/15

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.661+/-0.048 χ^2/NDF:2656.8/13

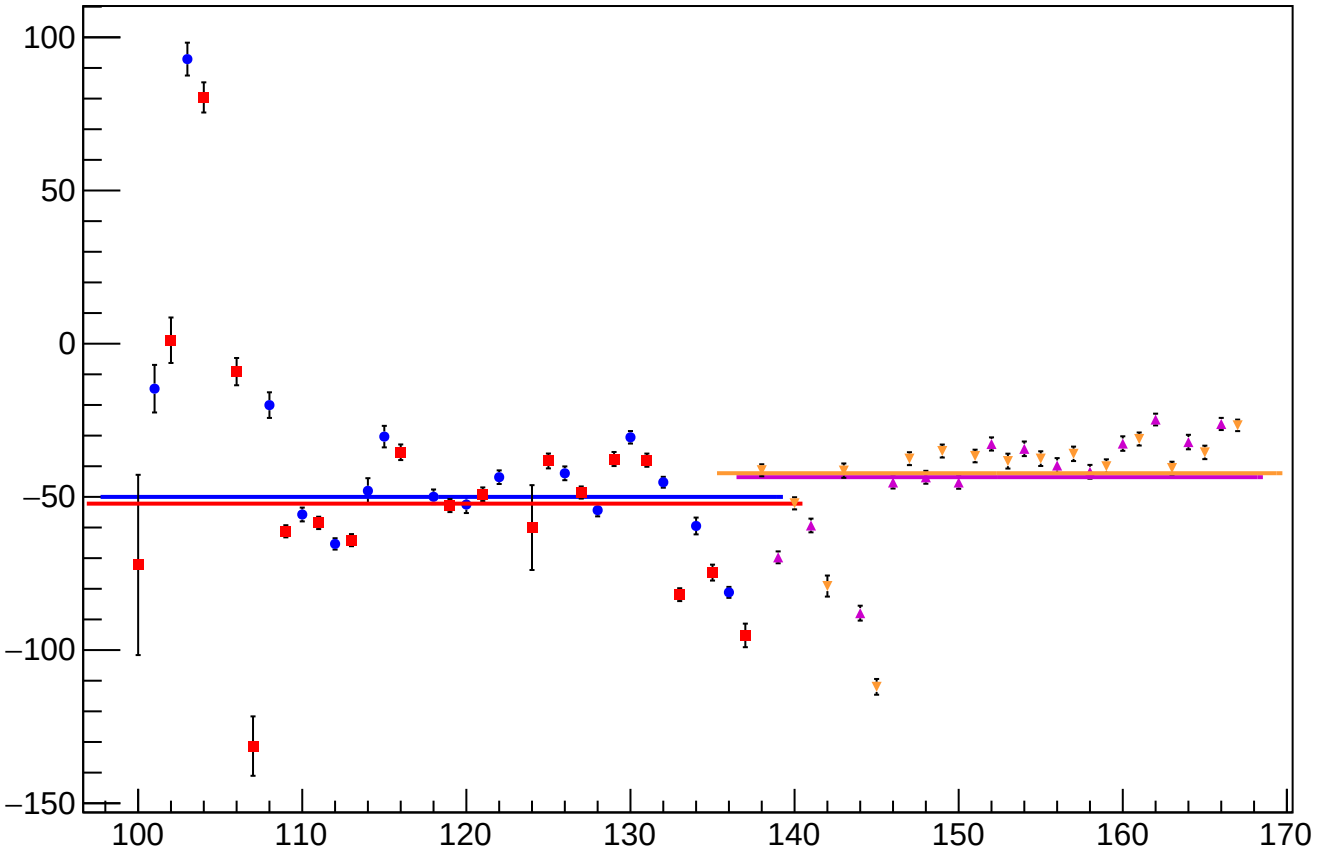
Left: 117.946+/-0.034 χ^2/NDF: 6256.6/29

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.969+/-0.042 χ^2/NDF:91240.8/29

Out: 113.914+/-0.040 χ^2/NDF:99669.1/34

All: 114.898+/-0.029 χ^2/NDF: 192148.2/64



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -42.274+/-0.553 χ^2/NDF:1019.8/15

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -43.560+/-0.578 χ^2/NDF:826.6/13

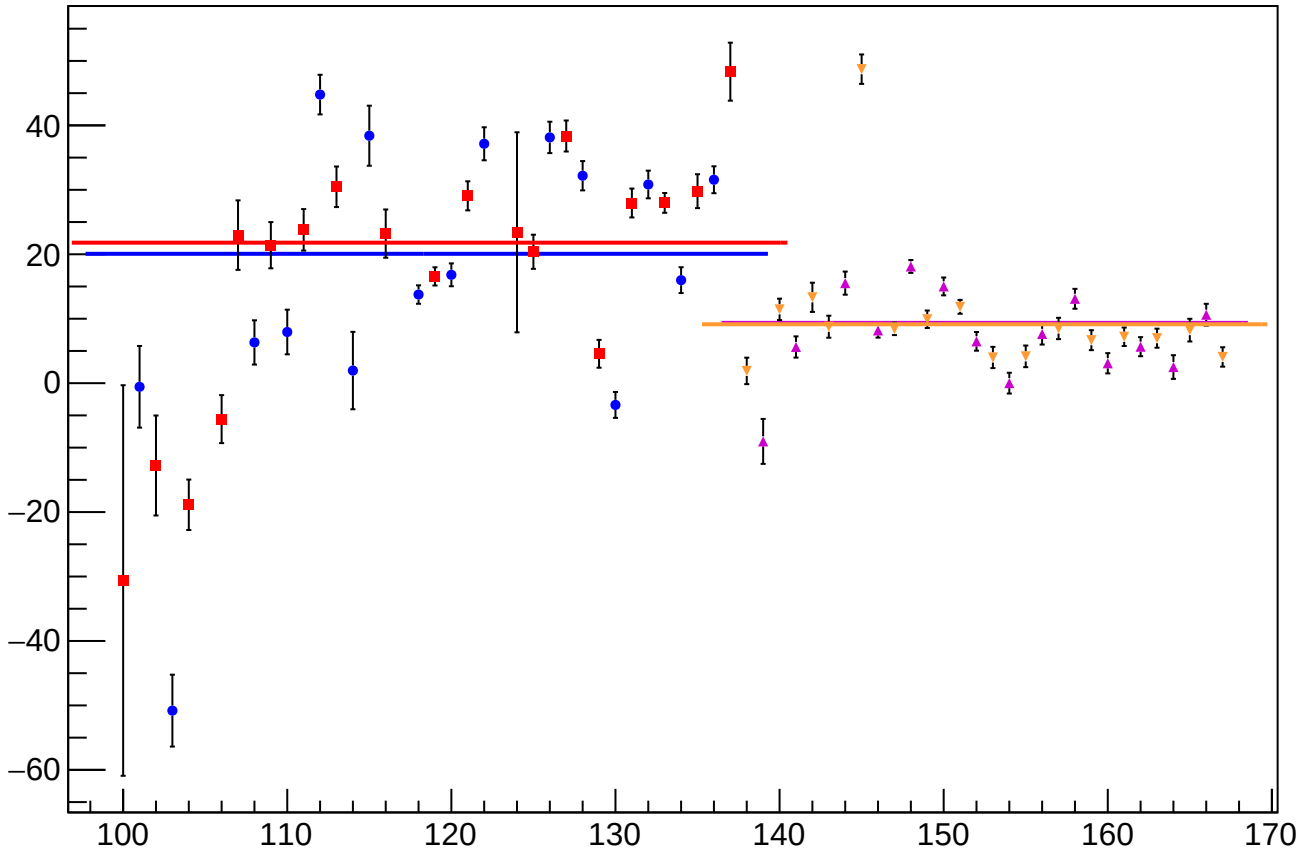
Left: -42.888+/-0.400 χ^2/NDF: 1849.0/29

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -46.613+/-0.420 χ^2/NDF:2212.8/29

Out: -46.793+/-0.408 χ^2/NDF:2737.1/34

All: -46.706+/-0.293 χ^2/NDF: 4950.0/64



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.140+/-0.378 χ^2/NDF:361.8/15

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 9.357+/-0.400 χ^2/NDF:220.8/13

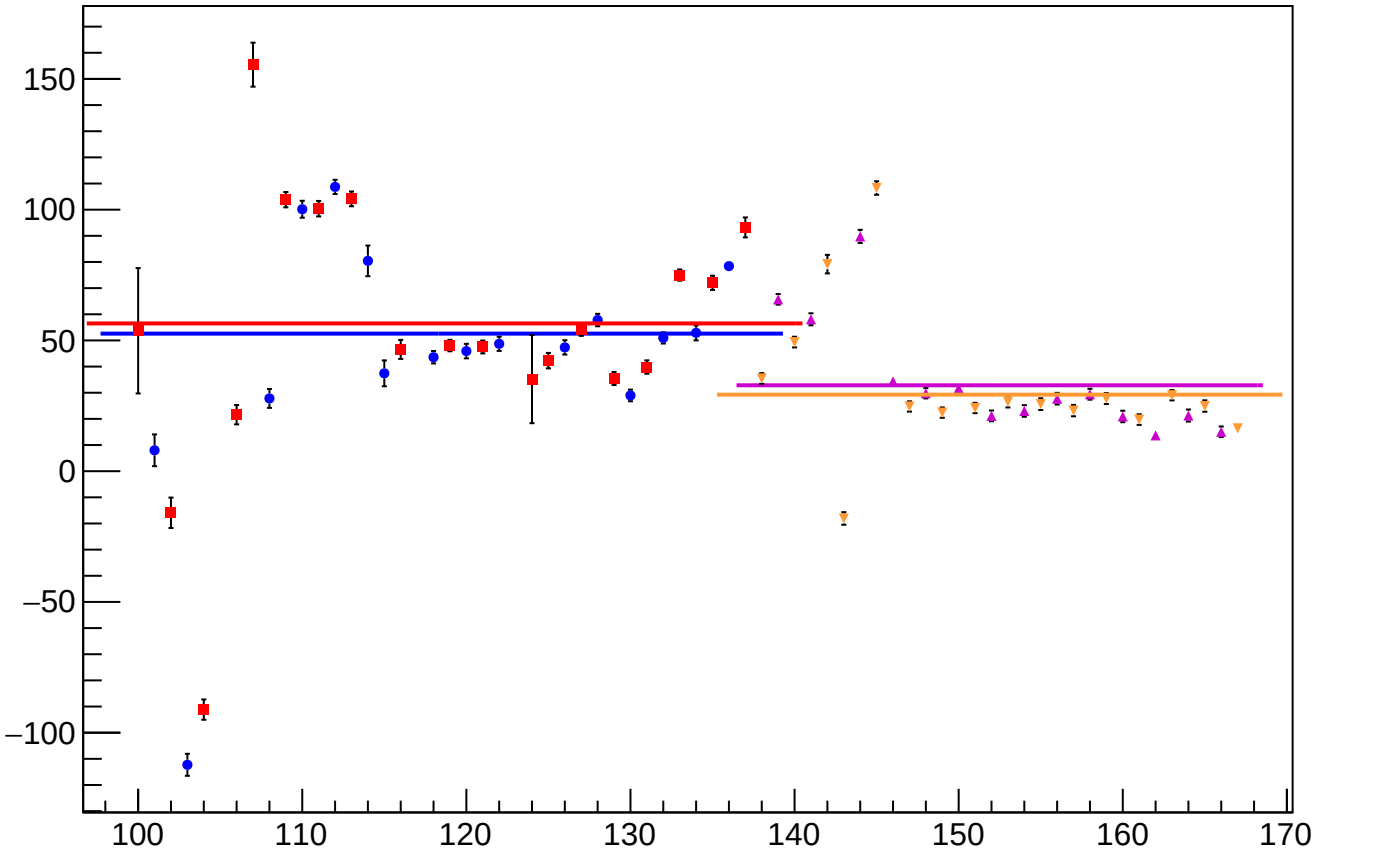
Left: 9.242+/-0.275 χ^2/NDF: 582.8/29

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 12.565+/-0.335 χ^2/NDF:1071.9/29

Out: 12.551+/-0.323 χ^2/NDF:1060.8/34

All: 12.557+/-0.232 χ^2/NDF: 2132.6/64



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 29.262+/-0.538 χ^2/NDF:1723.5/15

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 32.848+/-0.559 χ^2/NDF:1204.5/13

Left: 30.986+/-0.387 χ^2/NDF: 2949.4/29

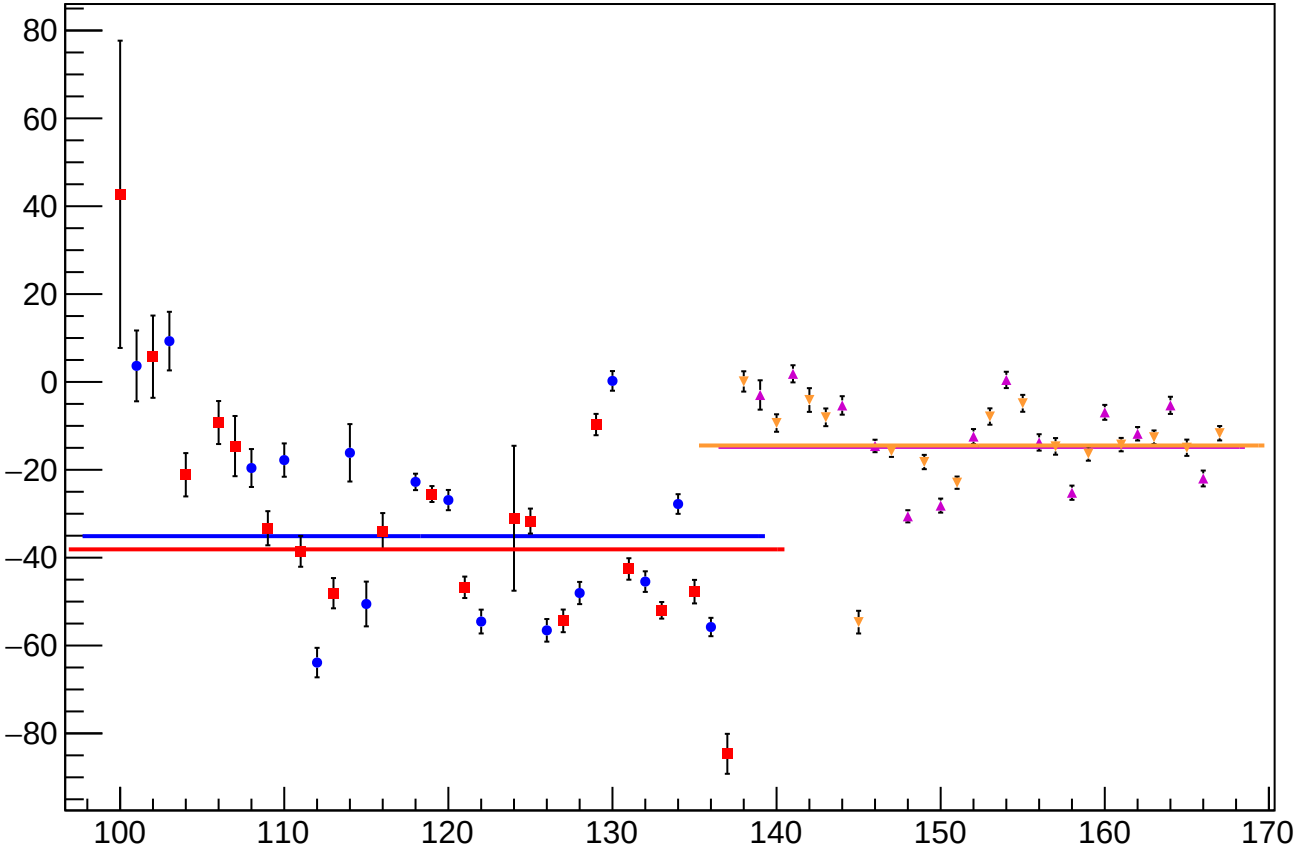
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 40.588+/-0.436 χ^2/NDF:4353.5/29

Out: 39.272+/-0.428 χ^2/NDF:5631.9/34

All: 39.918+/-0.305 χ^2/NDF: 9990.1/64

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.464+/-0.441 χ^2/NDF:399.4/15

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -14.783+/-0.465 χ^2/NDF:480.4/13

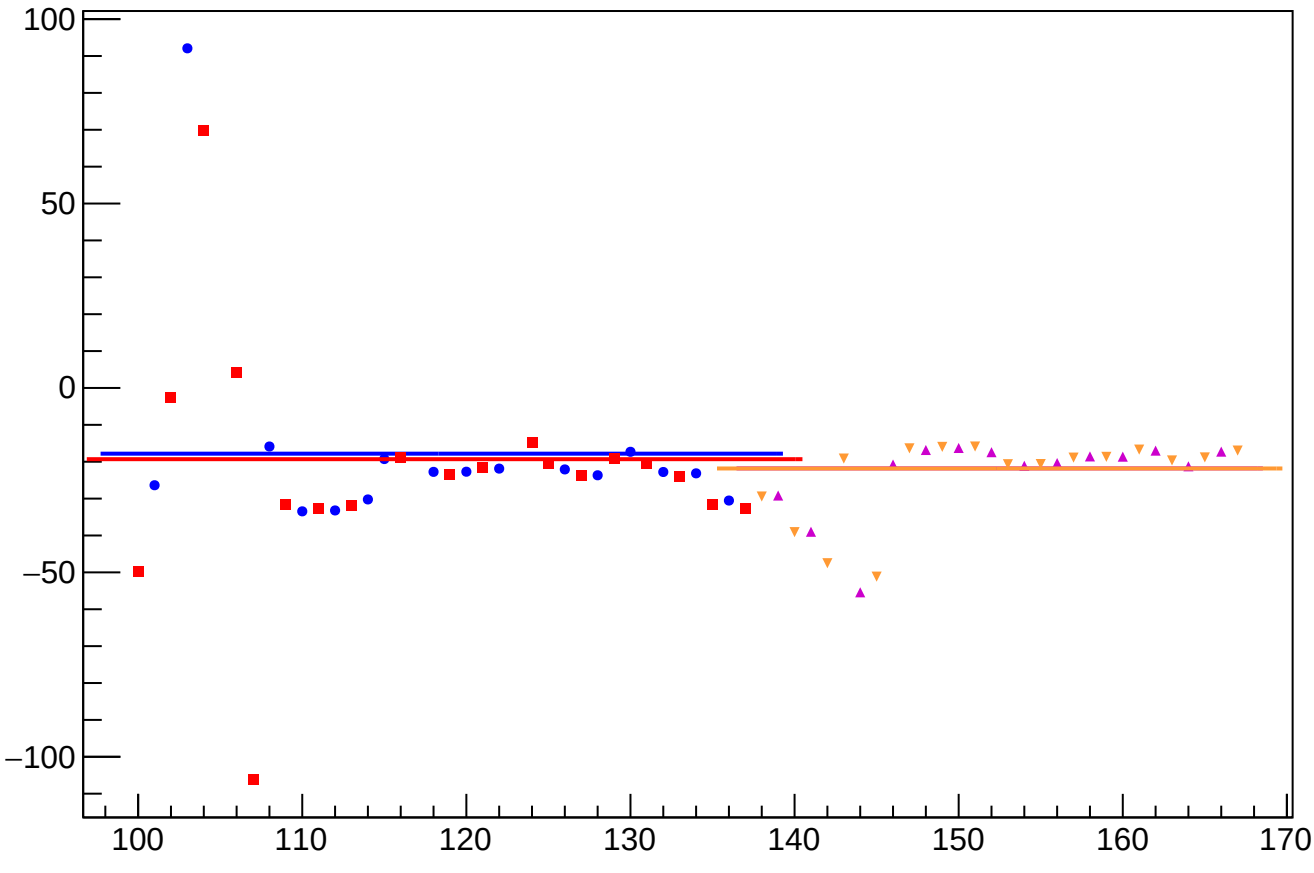
Left: -14.615+/-0.320 χ^2/NDF: 880.0/29

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -21.005+/-0.387 χ^2/NDF:1838.1/29

Out: -20.988+/-0.375 χ^2/NDF:1708.4/34

All: -20.997+/-0.269 χ^2/NDF: 3546.5/64



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -21.831+/-0.020 χ^2/NDF:190449.9/15

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -21.811+/-0.021 χ^2/NDF:158463.3/13

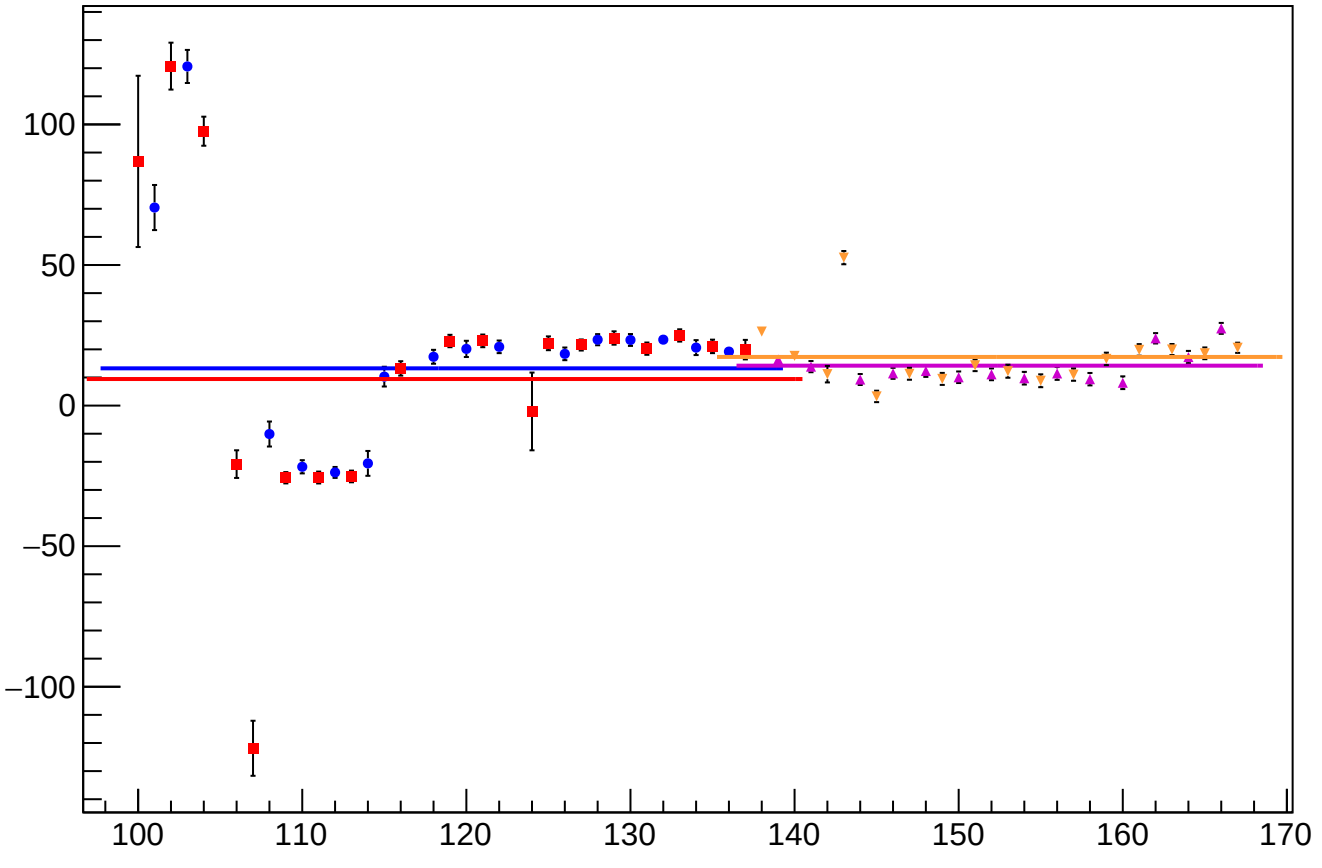
Left: -21.821+/-0.015 χ^2/NDF: 348913.6/29

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -21.049+/-0.019 χ^2/NDF:591475.7/29

Out: -21.423+/-0.019 χ^2/NDF:537583.1/34

All: -21.240+/-0.013 χ^2/NDF: 1129258.8/64



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.305+/-0.522 χ^2/NDF:358.7/15

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 14.200+/-0.546 χ^2/NDF:110.4/13

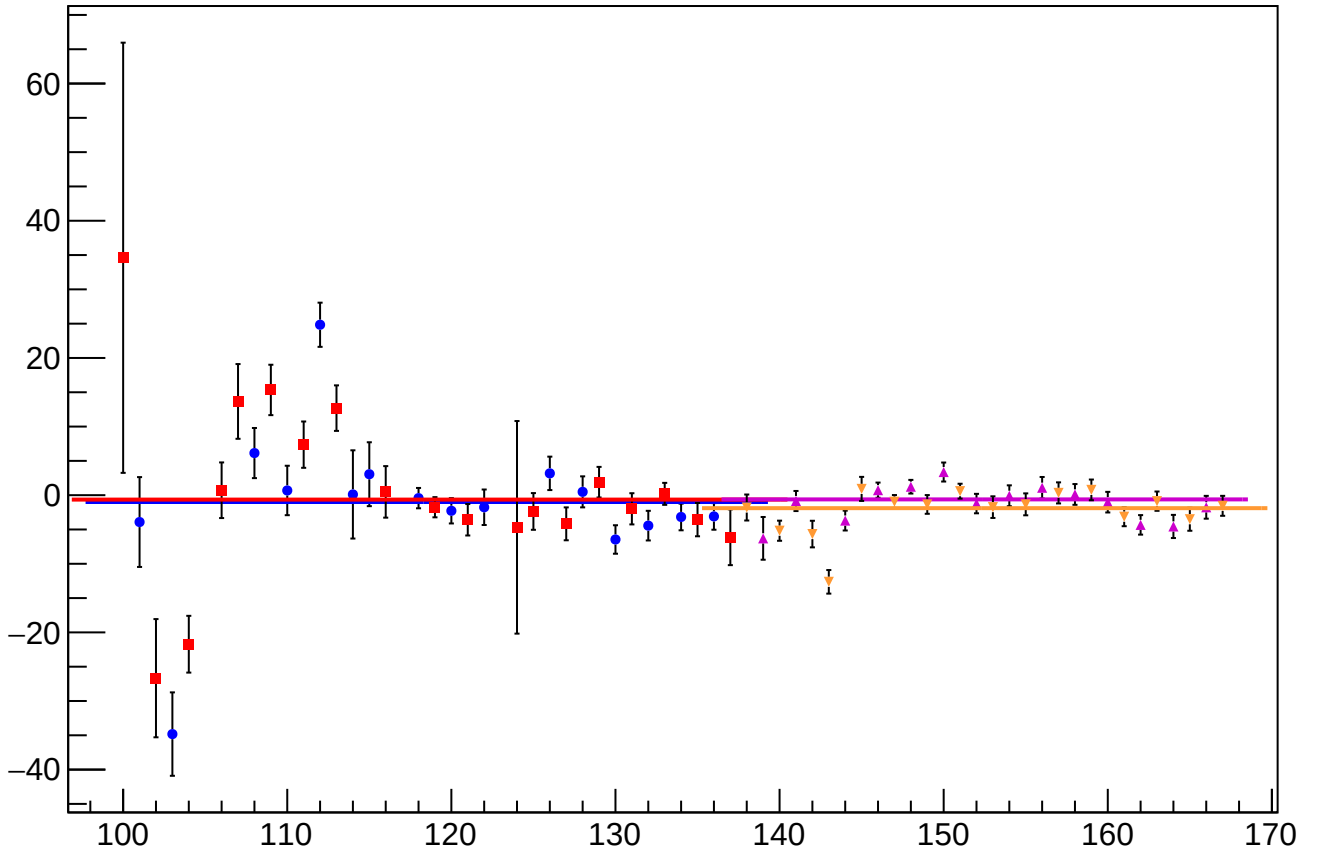
Left: 15.822+/-0.377 χ^2/NDF: 486.0/29

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.781+/-0.408 χ^2/NDF:1294.2/29

Out: 14.015+/-0.398 χ^2/NDF:2290.2/34

All: 13.901+/-0.285 χ^2/NDF: 3584.6/64



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.893+/-0.362 χ^2/NDF:64.3/15

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.616+/-0.383 χ^2/NDF:35.7/13

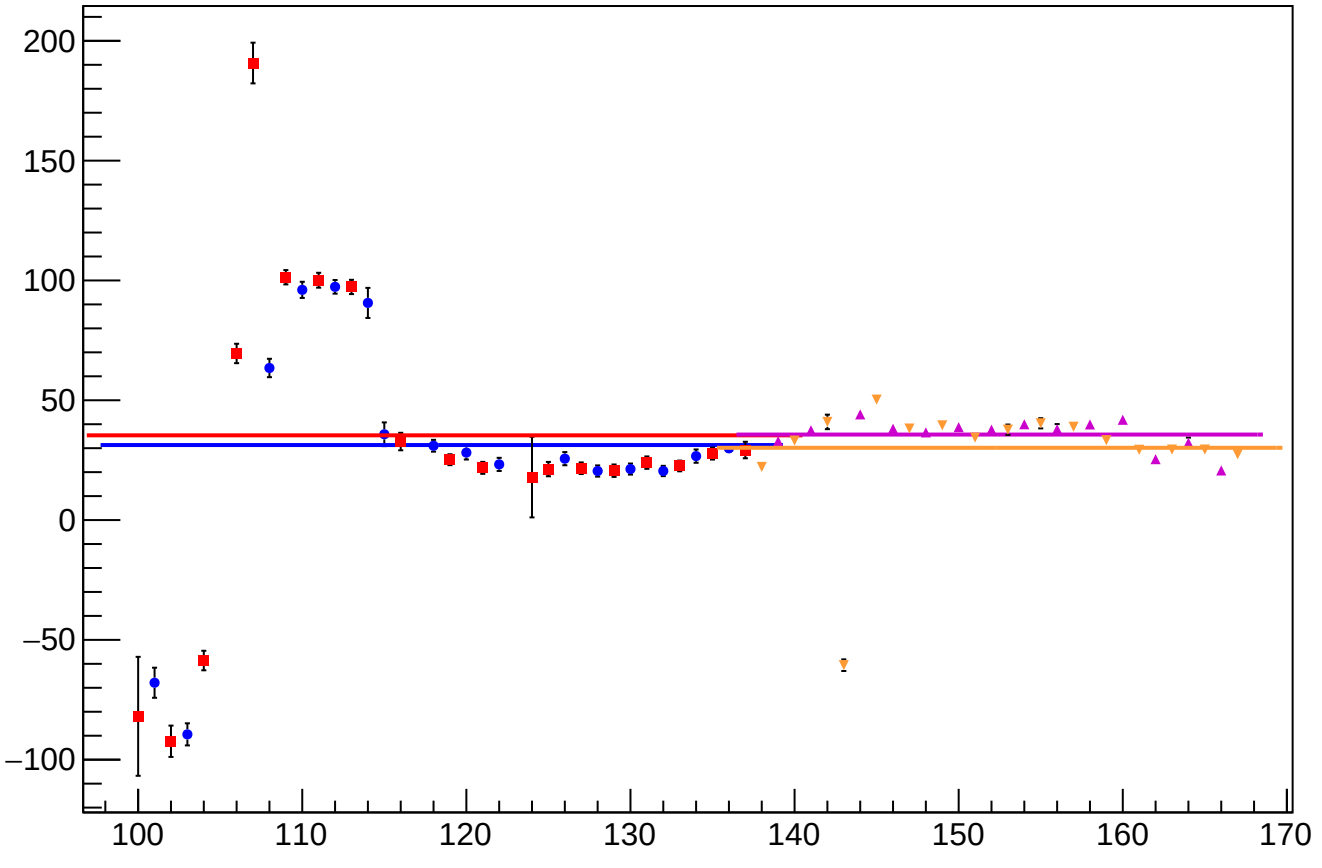
Left: -1.290+/-0.263 χ^2/NDF: 105.9/29

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.720+/-0.326 χ^2/NDF:152.3/29

Out: -1.587+/-0.315 χ^2/NDF:161.5/34

All: -1.169+/-0.226 χ^2/NDF: 317.4/64



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.168+/-0.509 χ^2/NDF:1628.1/15

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 35.688+/-0.529 χ^2/NDF:137.6/13

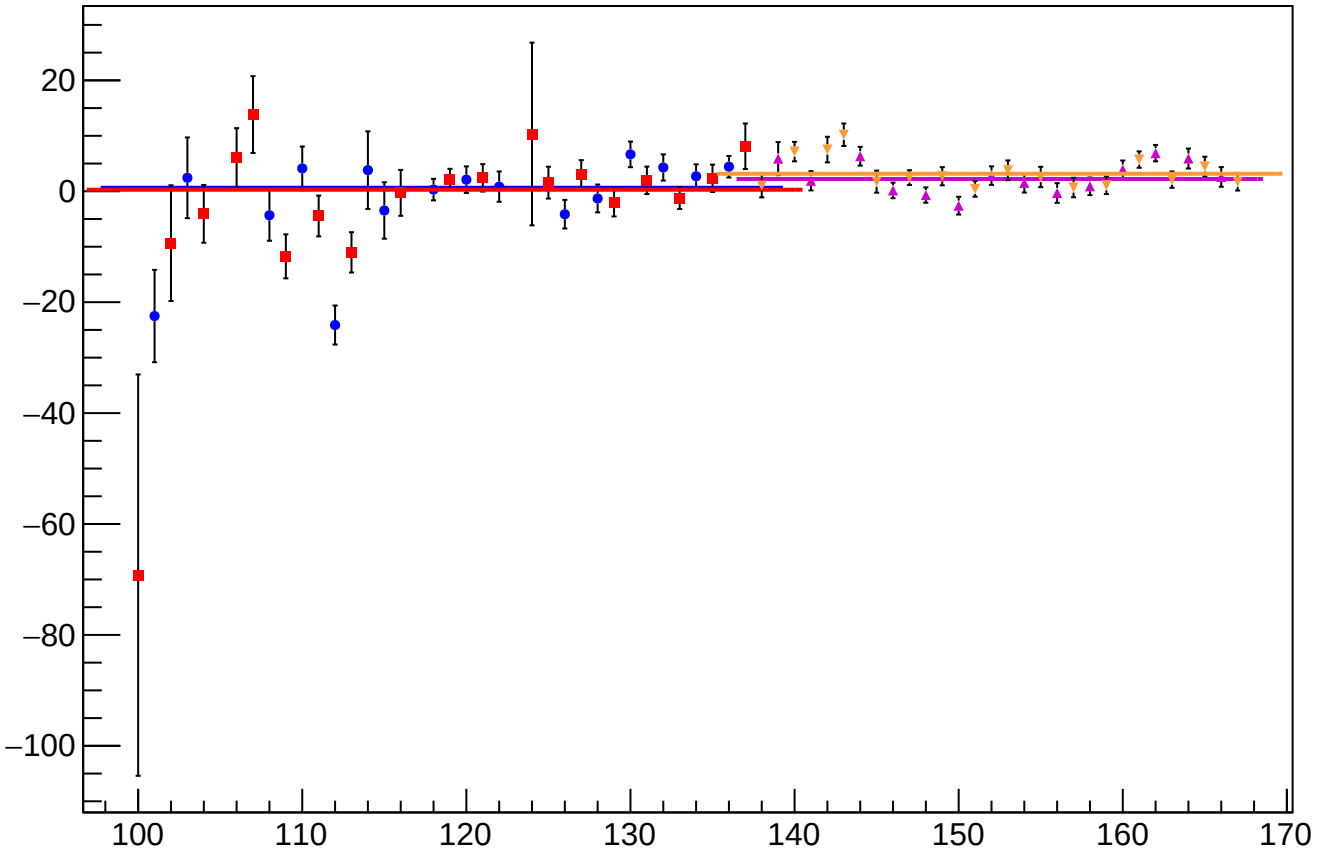
Left: 32.823+/-0.367 χ^2/NDF: 1822.2/29

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 34.096+/-0.422 χ^2/NDF:2248.3/29

Out: 31.911+/-0.415 χ^2/NDF:4560.7/34

All: 32.986+/-0.296 χ^2/NDF: 6822.7/64



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.156+/-0.421 χ^2/NDF:35.2/15

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.219+/-0.444 χ^2/NDF:41.3/13

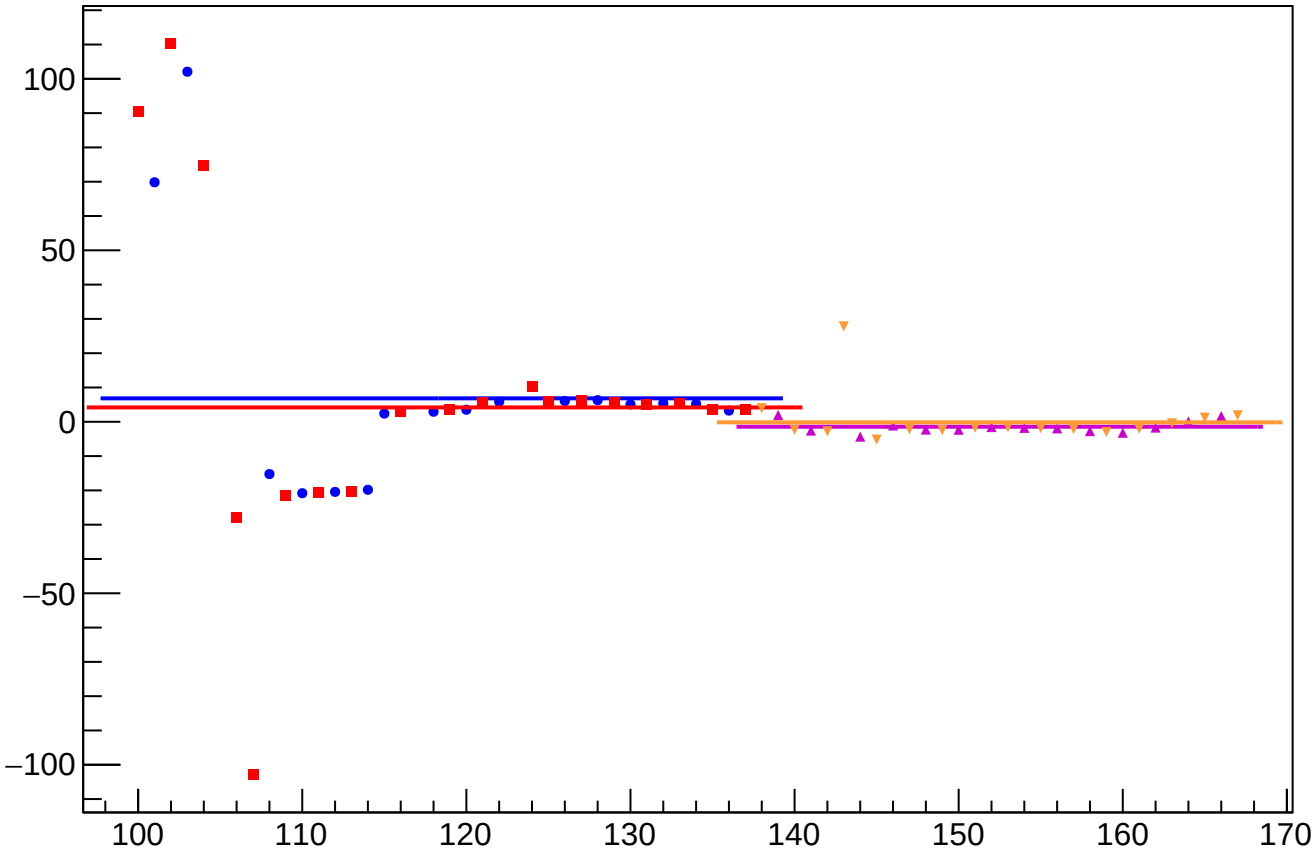
Left: 2.712+/-0.305 χ^2/NDF: 78.9/29

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.768+/-0.376 χ^2/NDF:123.4/29

Out: 2.431+/-0.364 χ^2/NDF:87.5/34

All: 2.109+/-0.261 χ^2/NDF: 212.5/64



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.152+/-0.019 χ^2/NDF:92191.2/15

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.435+/-0.020 χ^2/NDF:7189.1/13

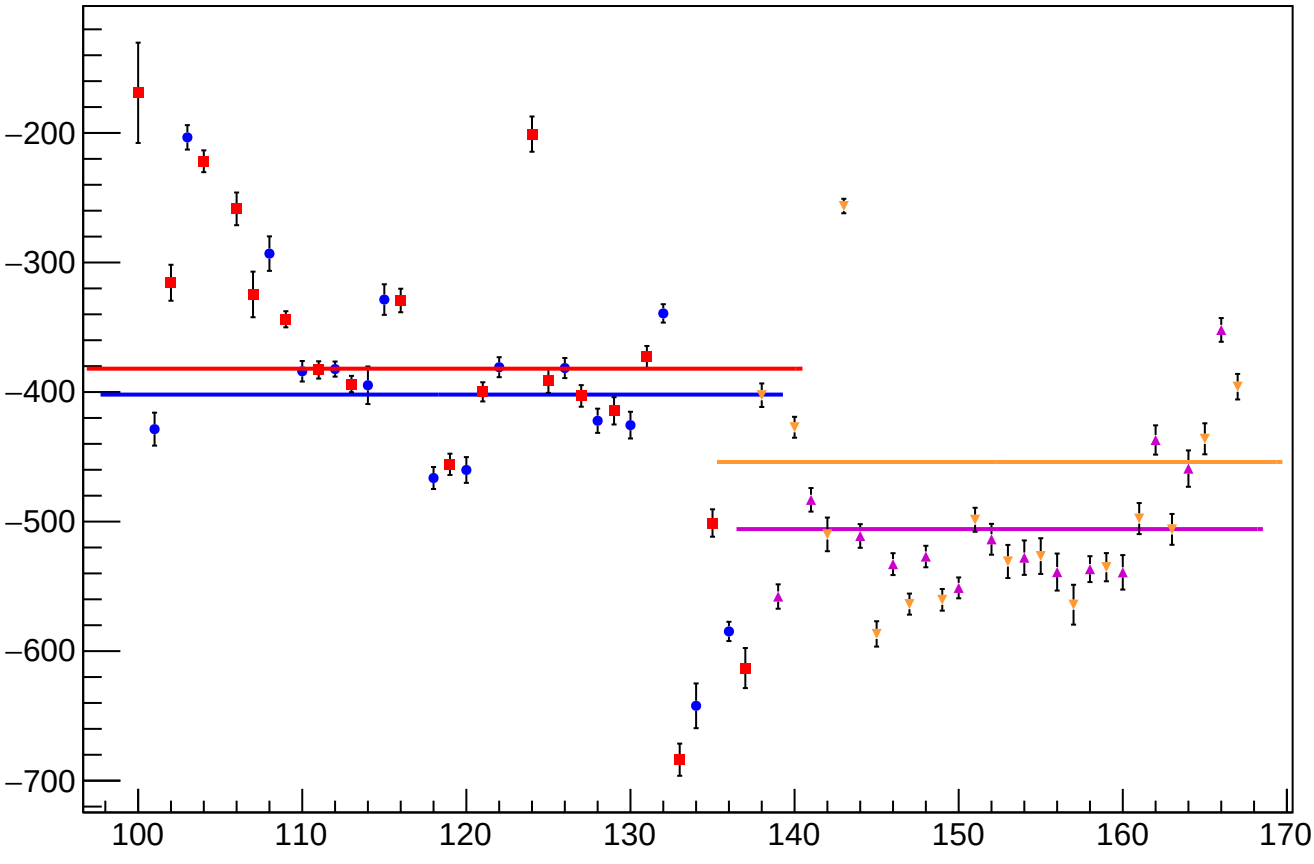
Left: -0.769+/-0.014 χ^2/NDF: 101534.7/29

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.034+/-0.018 χ^2/NDF:358805.1/29

Out: 0.484+/-0.018 χ^2/NDF:534245.2/34

All: 0.263+/-0.013 χ^2/NDF: 893366.8/64



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -453.979+/-2.410 χ^2/NDF:2103.1/15

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -505.788+/-2.698 χ^2/NDF:439.7/13

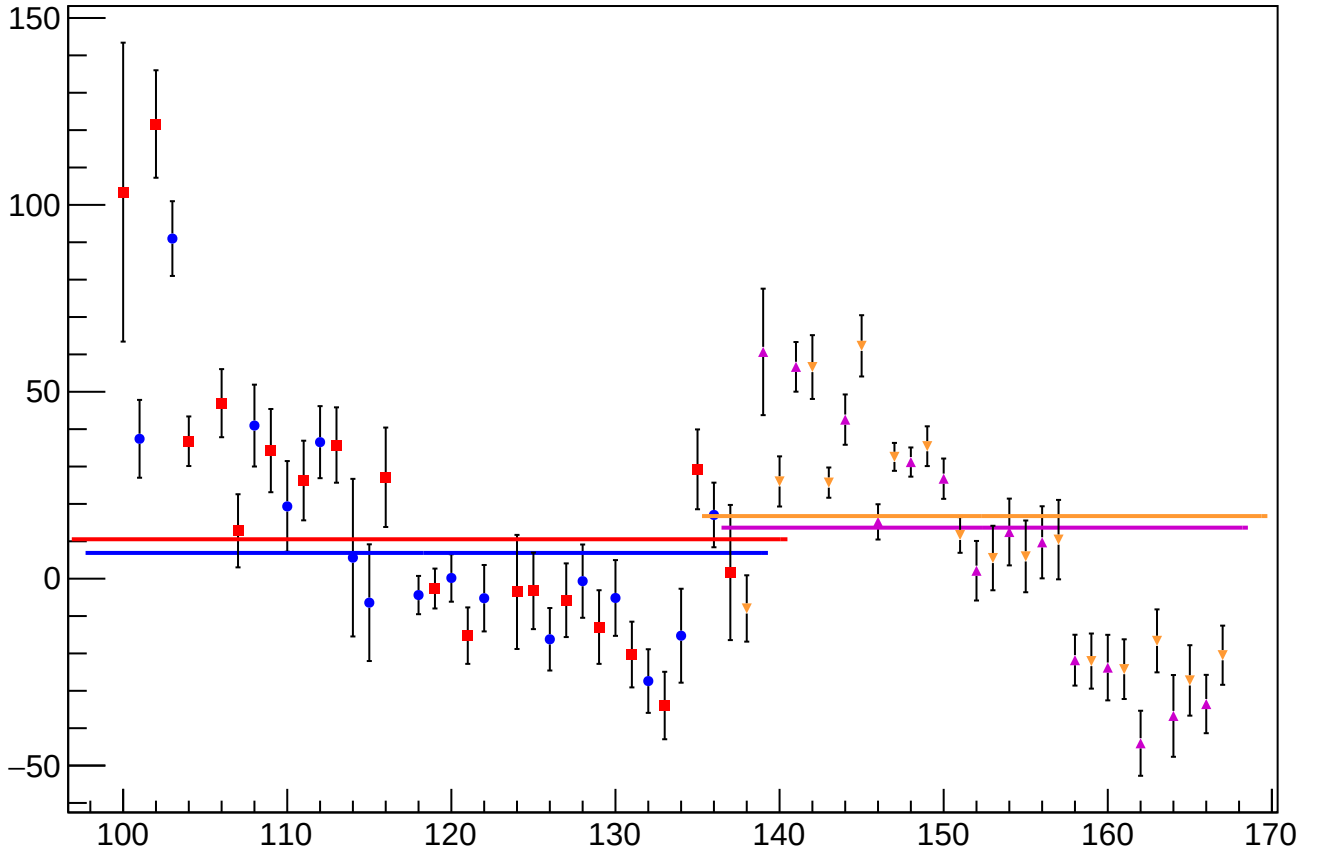
Left: -476.975+/-1.797 χ^2/NDF: 2747.9/29

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -444.243+/-1.722 χ^2/NDF:2881.0/29

Out: -413.443+/-1.594 χ^2/NDF:4423.2/34

All: -427.656+/-1.169 χ^2/NDF: 7476.6/64



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 16.746+/-1.614 χ^2/NDF:215.6/15

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 13.648+/-1.811 χ^2/NDF:243.7/13

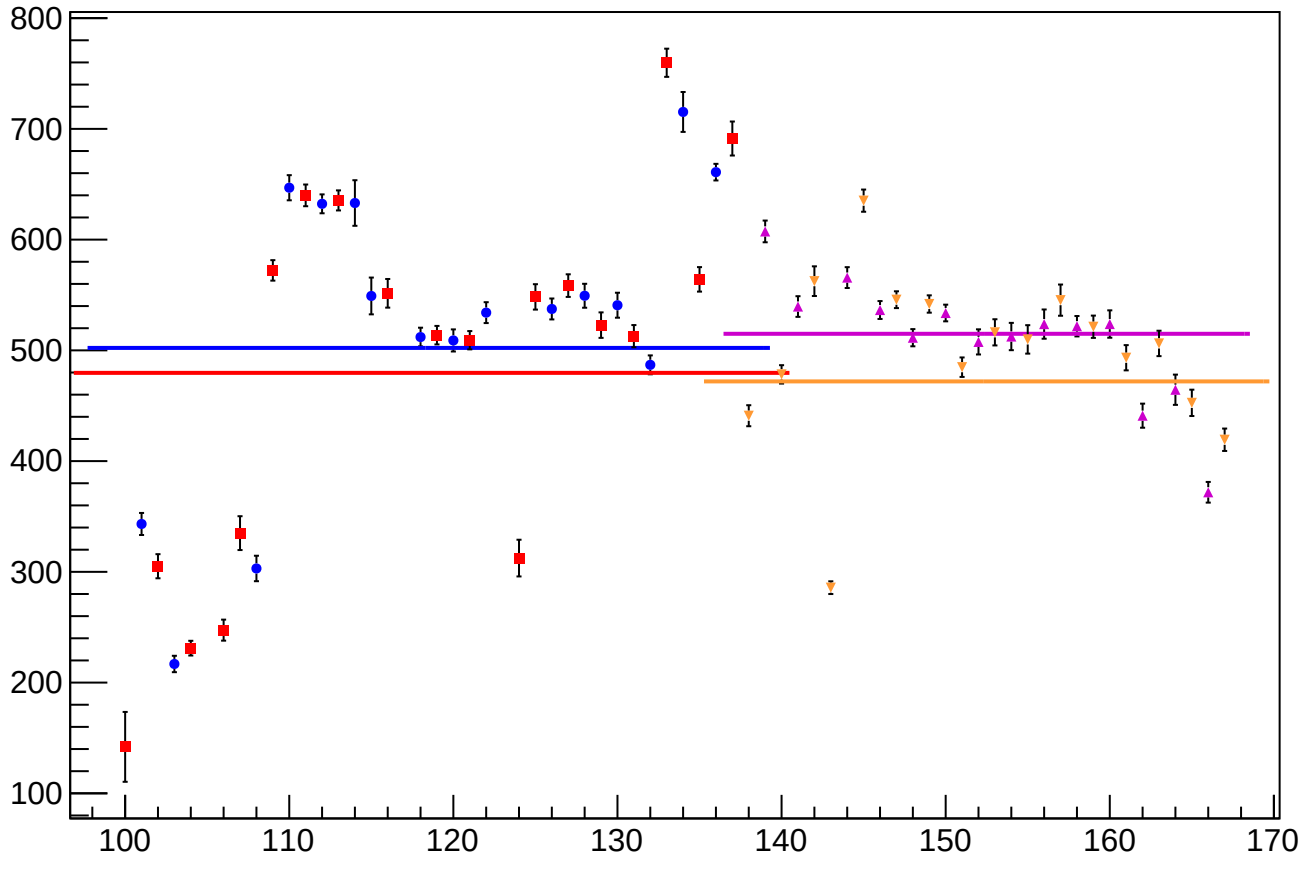
Left: 15.375+/-1.205 χ^2/NDF: 460.9/29

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 11.010+/-1.414 χ^2/NDF:387.6/29

Out: 14.572+/-1.301 χ^2/NDF:400.8/34

All: 12.940+/-0.957 χ^2/NDF: 791.8/64



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 471.966+/-2.368 χ^2/NDF:1666.3/15

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 514.959+/-2.613 χ^2/NDF:435.0/13

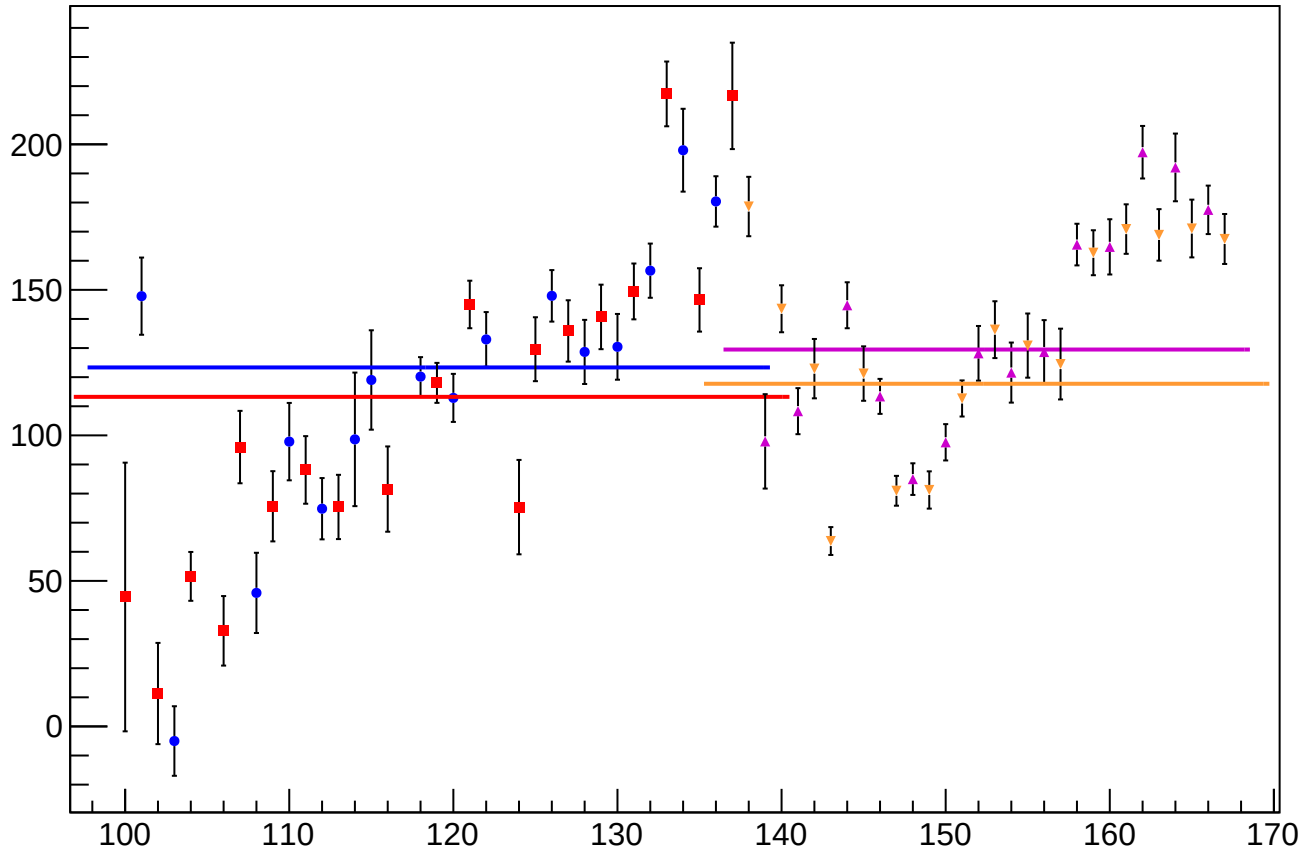
Left: 491.351+/-1.755 χ^2/NDF: 2249.9/29

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 508.286+/-1.804 χ^2/NDF:3582.6/29

Out: 475.771+/-1.685 χ^2/NDF:5810.0/34

All: 490.927+/-1.231 χ^2/NDF: 9566.1/64



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 117.731+/-1.922 χ^2/NDF:432.4/15

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 129.493+/-2.148 χ^2/NDF:273.4/13

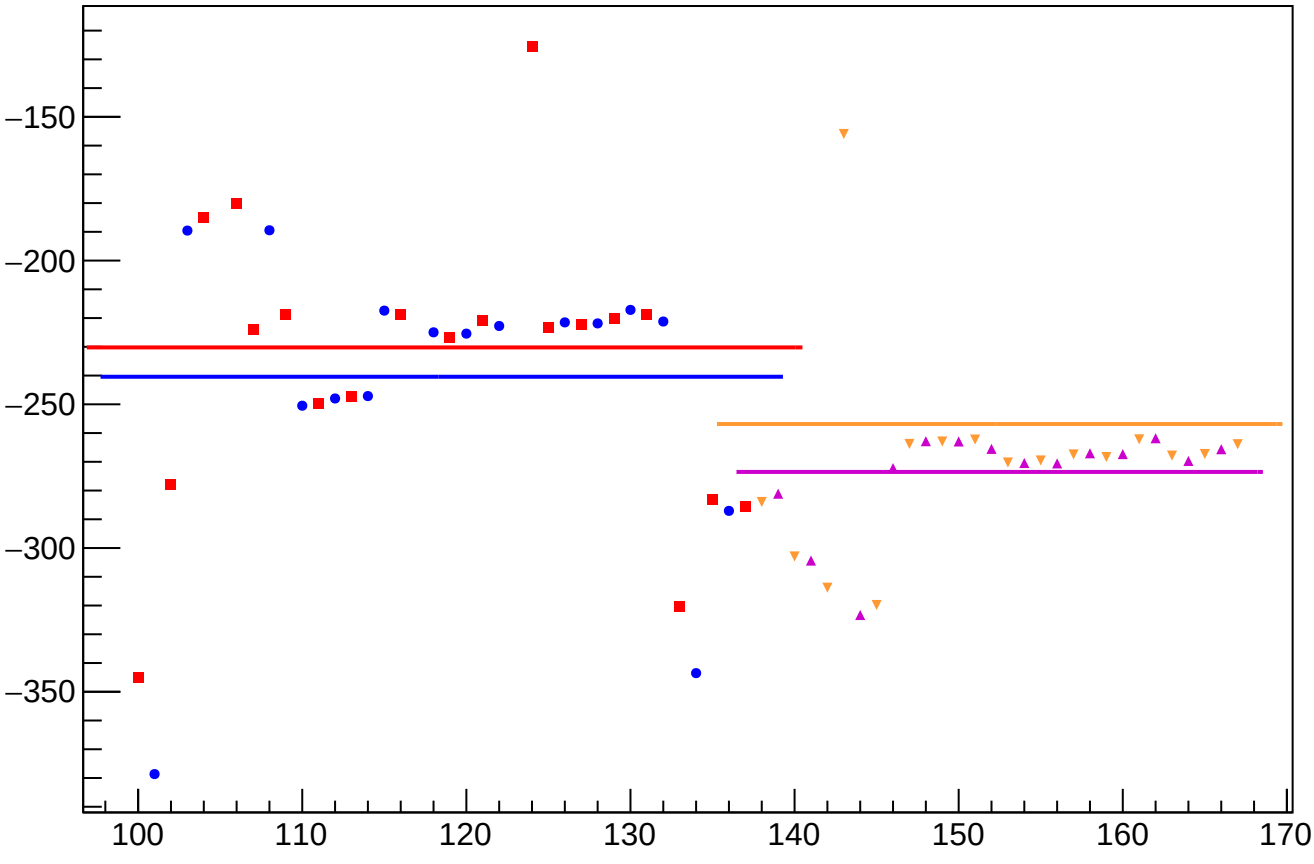
Left: 122.963+/-1.432 χ^2/NDF: 722.5/29

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 127.030+/-1.663 χ^2/NDF:548.0/29

Out: 116.098+/-1.534 χ^2/NDF:780.2/34

All: 121.124+/-1.127 χ^2/NDF: 1351.6/64



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -256.857+/-0.093 χ^2/NDF:240473.5/15

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -273.524+/-0.101 χ^2/NDF:25732.9/13

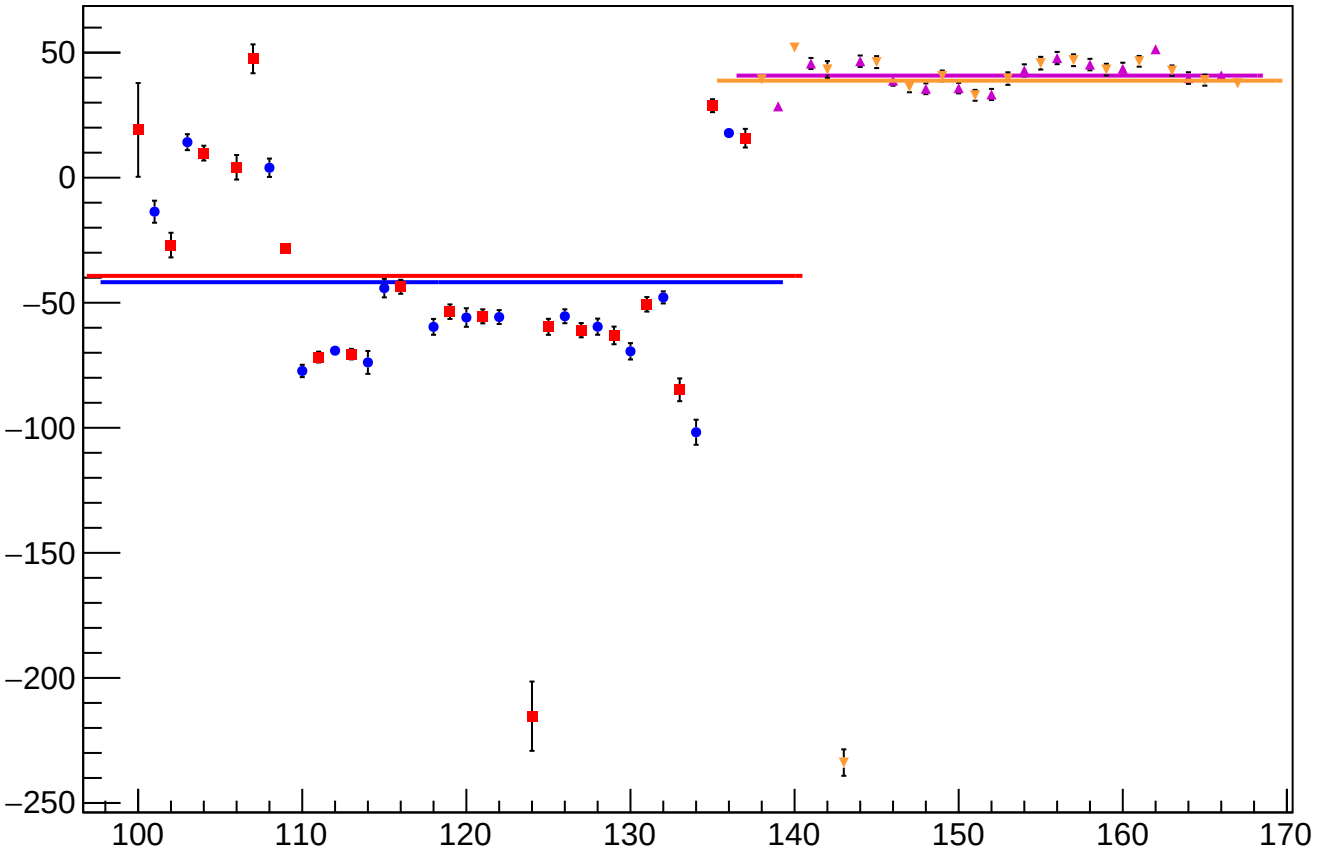
Left: -264.515+/-0.068 χ^2/NDF: 281037.2/29

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -263.306+/-0.084 χ^2/NDF:193303.8/29

Out: -249.229+/-0.078 χ^2/NDF:347526.2/34

All: -255.808+/-0.057 χ^2/NDF: 555908.0/64



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.788+/-0.569 χ^2/NDF:2763.1/15

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 40.813+/-0.582 χ^2/NDF:120.0/13

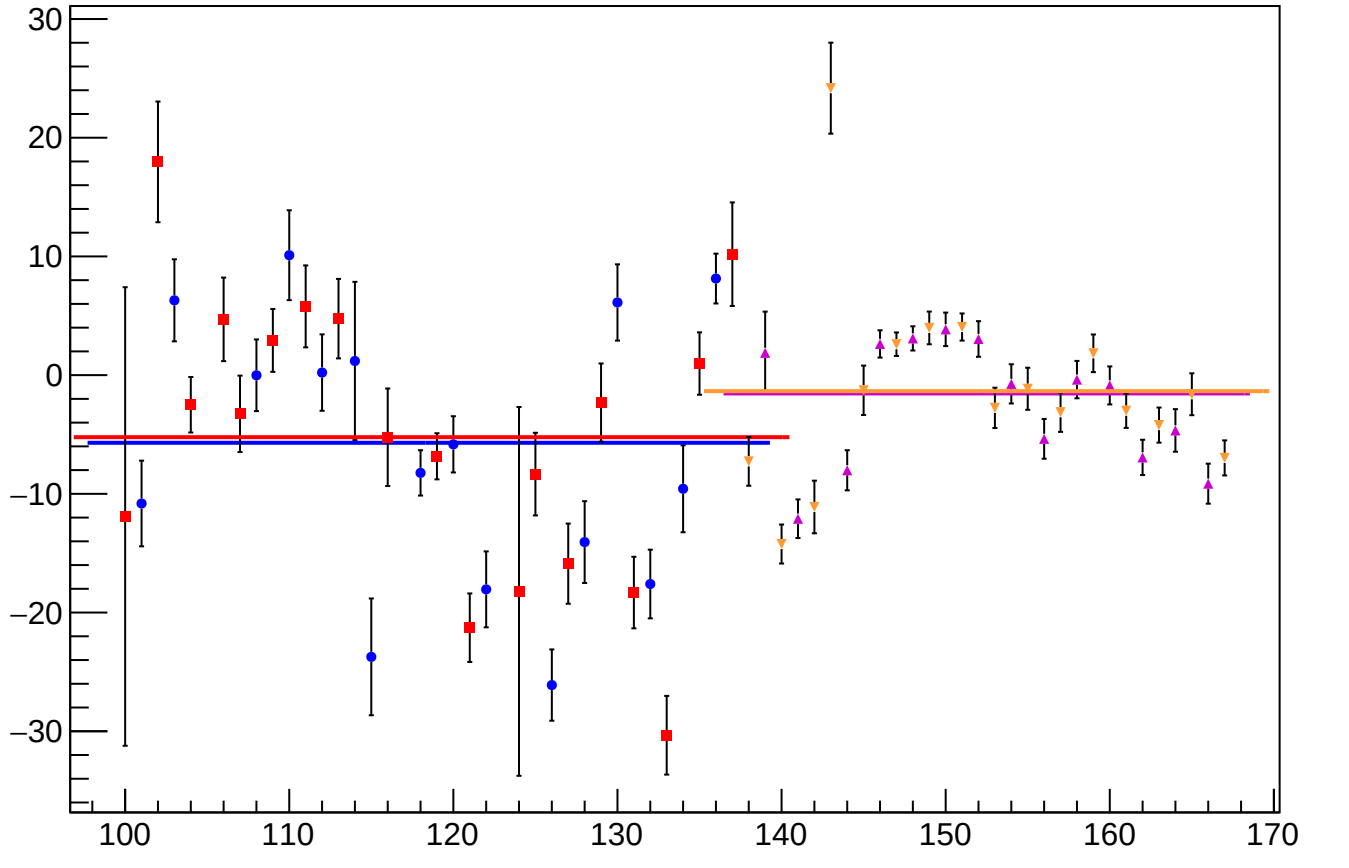
Left: 39.777+/-0.407 χ^2/NDF: 2889.3/29

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 8.338+/-0.453 χ^2/NDF:10443.4/29

Out: 6.649+/-0.436 χ^2/NDF:12999.4/34

All: 7.460+/-0.314 χ^2/NDF: 23450.0/64



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -1.349+/-0.390 χ^2/NDF:212.2/15

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -1.543+/-0.405 χ^2/NDF:158.2/13

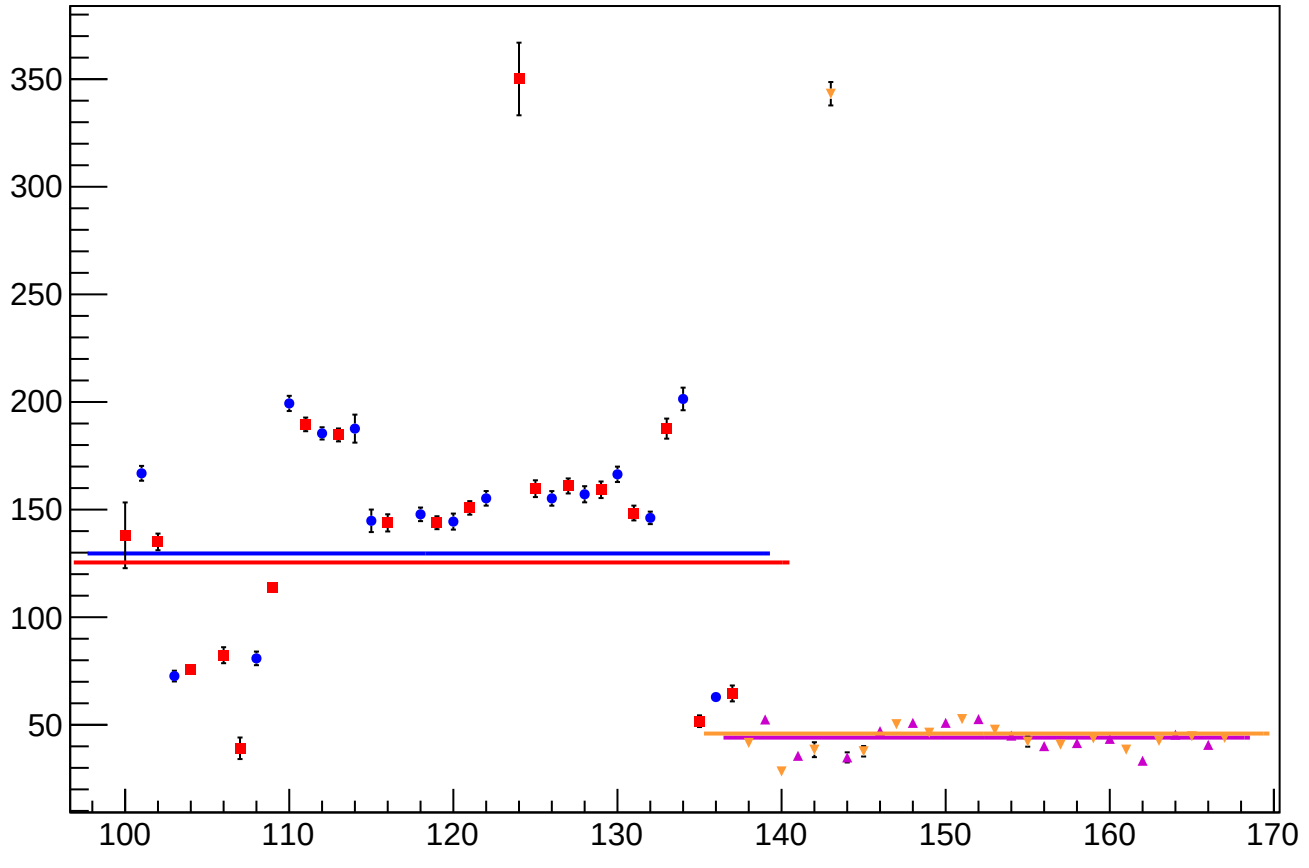
Left: -1.442+/-0.281 χ^2/NDF: 370.6/29

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.474+/-0.356 χ^2/NDF:378.6/29

Out: -2.193+/-0.345 χ^2/NDF:431.1/34

All: -2.329+/-0.248 χ^2/NDF: 810.0/64



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 45.947+/-0.553 χ^2/NDF:3126.7/15

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 44.061+/-0.563 χ^2/NDF:130.8/13

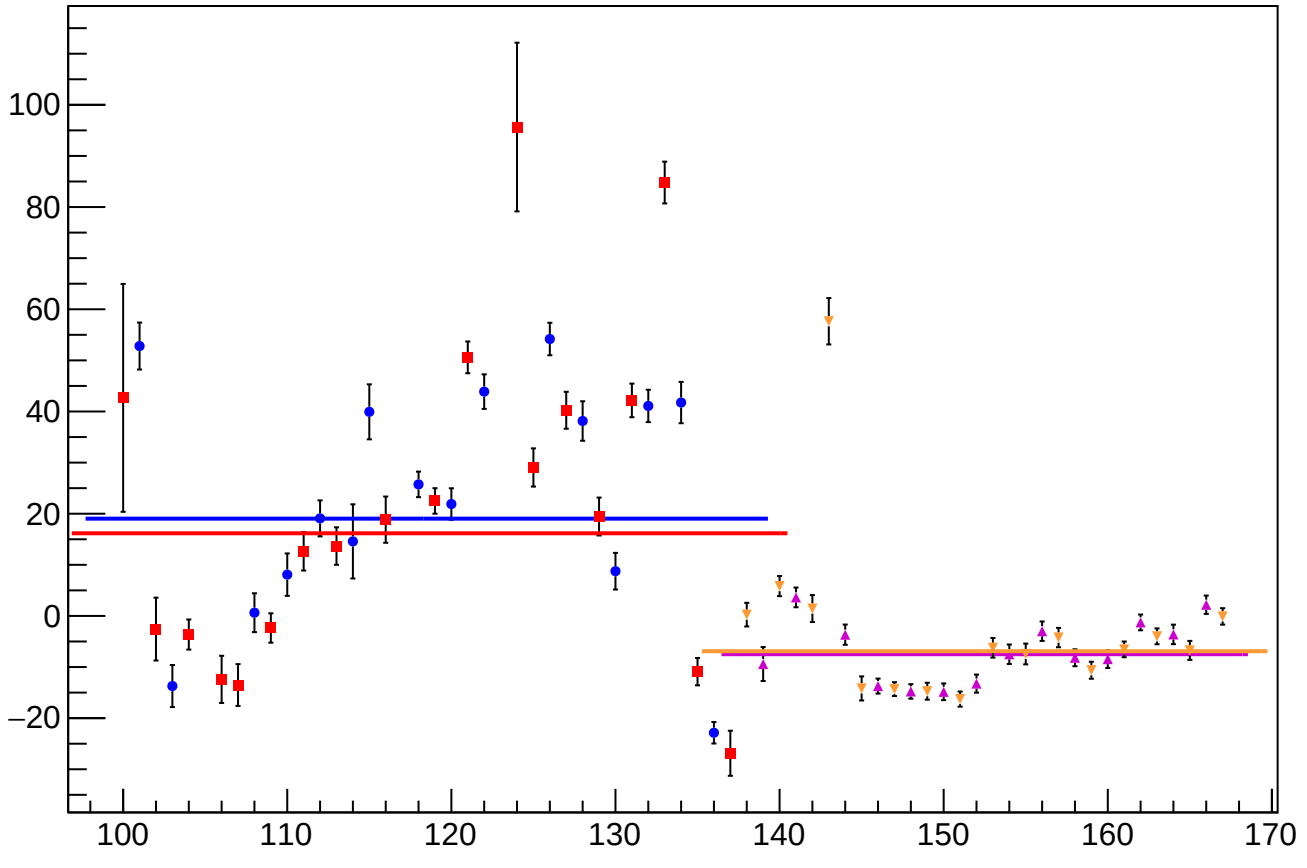
Left: 45.021+/-0.395 χ^2/NDF: 3263.2/29

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 72.381+/-0.461 χ^2/NDF:11395.5/29

Out: 72.089+/-0.453 χ^2/NDF:13427.6/34

All: 72.233+/-0.323 χ^2/NDF: 24823.3/64



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -6.902+/-0.454 χ^2/NDF:394.7/15

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -7.487+/-0.470 χ^2/NDF:168.2/13

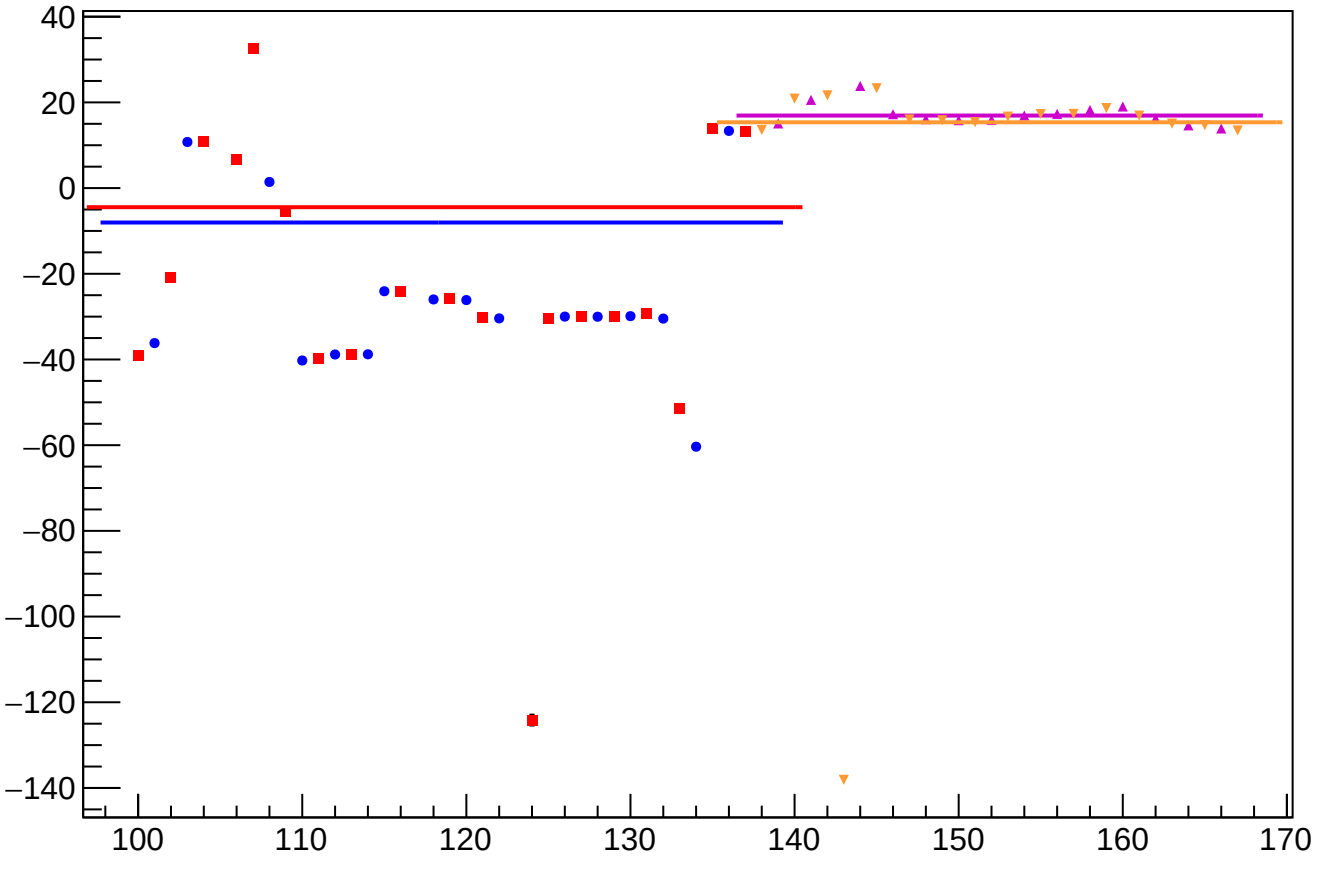
Left: -7.185+/-0.327 χ^2/NDF: 563.8/29

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.390+/-0.412 χ^2/NDF:1759.0/29

Out: -1.739+/-0.400 χ^2/NDF:1913.5/34

All: -1.570+/-0.287 χ^2/NDF: 3672.8/64



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.355+/-0.021 χ^2/NDF:477145.1/15

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 16.929+/-0.021 χ^2/NDF:10265.5/13

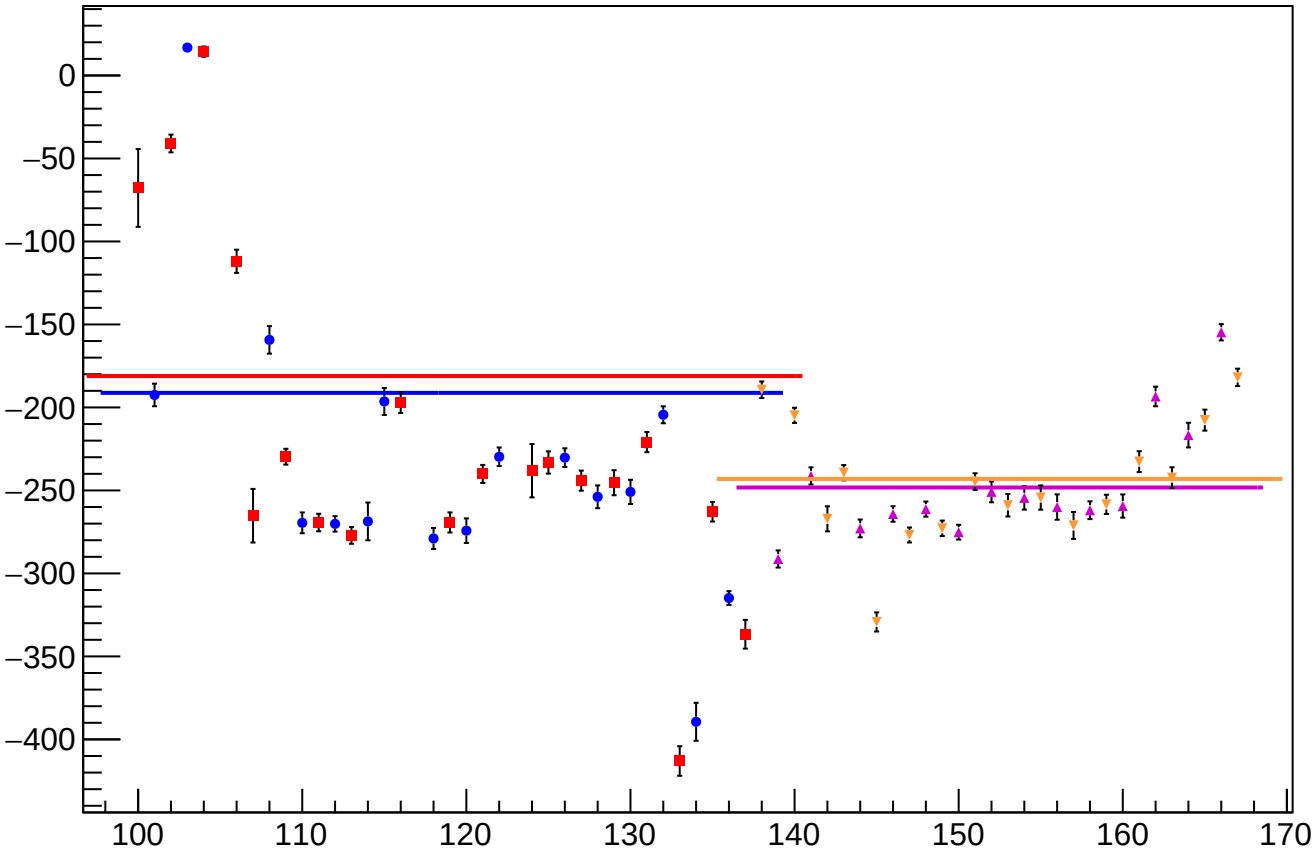
Left: 16.126+/-0.015 χ^2/NDF: 490225.8/29

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 12.531+/-0.019 χ^2/NDF:522672.8/29

Out: 12.097+/-0.019 χ^2/NDF:855383.6/34

All: 12.311+/-0.014 χ^2/NDF: 1378314.4/64



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -243.083+/-1.394 χ^2/NDF:713.4/15

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -248.238+/-1.475 χ^2/NDF:627.7/13

Left: -245.516+/-1.013 χ^2/NDF: 1347.6/29

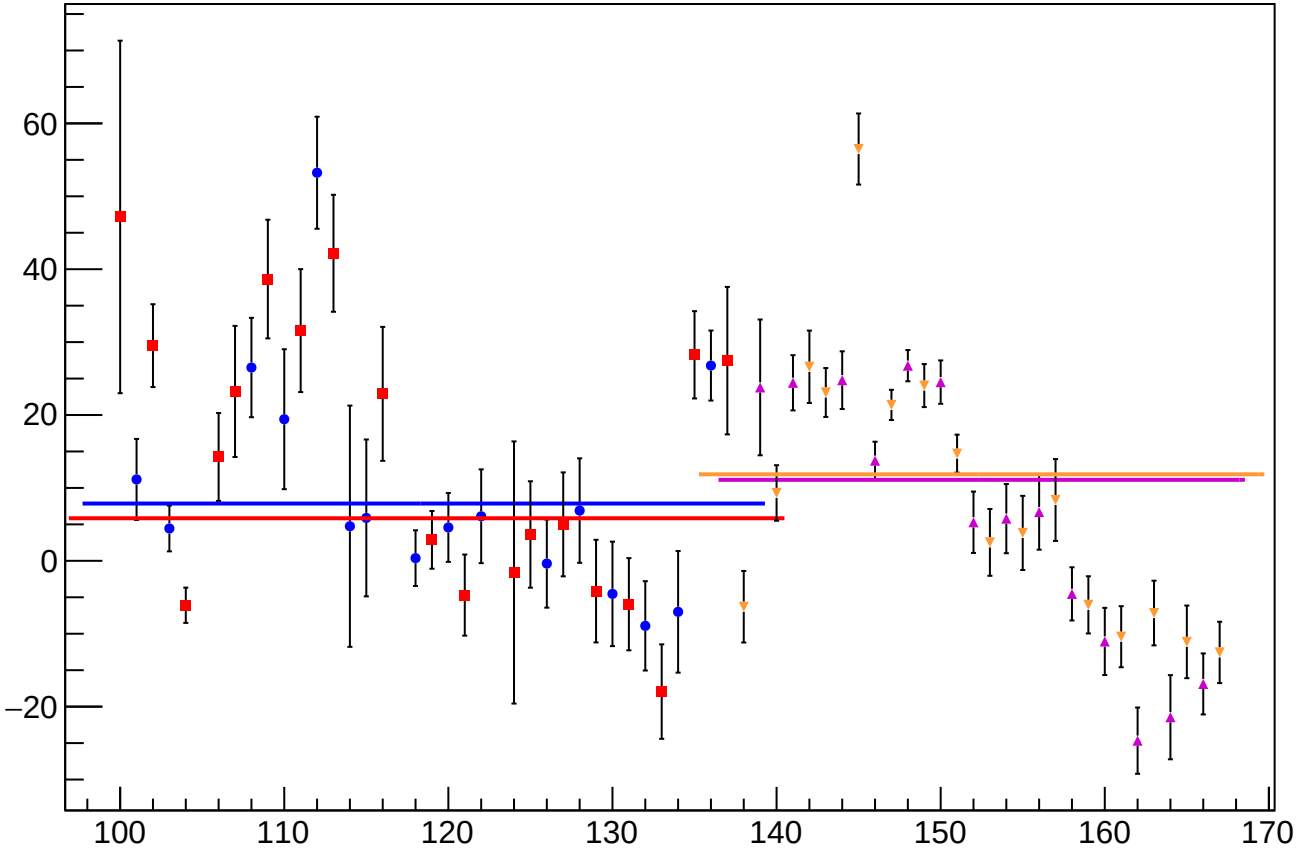
Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -218.629+/-1.022 χ^2/NDF:8628.8/29

Out: -211.819+/-0.982 χ^2/NDF:9084.5/34

All: -215.086+/-0.708 χ^2/NDF: 17736.4/64

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 11.865+/-0.927 χ^2/NDF:286.9/15

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 11.111+/-0.990 χ^2/NDF:284.8/13

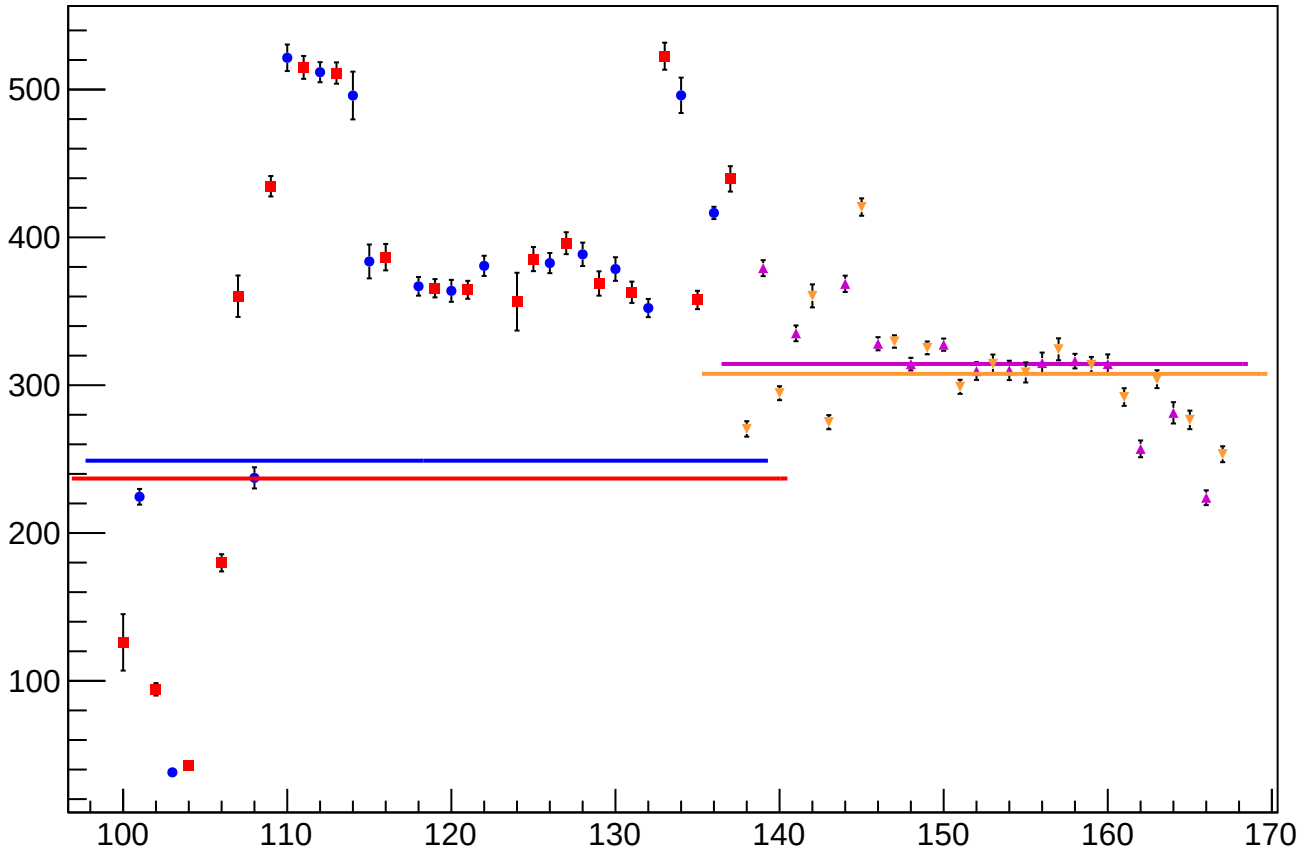
Left: 11.513+/-0.677 χ^2/NDF: 572.0/29

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 10.065+/-0.815 χ^2/NDF:369.2/29

Out: 9.946+/-0.765 χ^2/NDF:442.2/34

All: 10.002+/-0.558 χ^2/NDF: 811.4/64



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 307.686+/-1.361 χ^2/NDF:707.5/15

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 314.367+/-1.426 χ^2/NDF:725.6/13

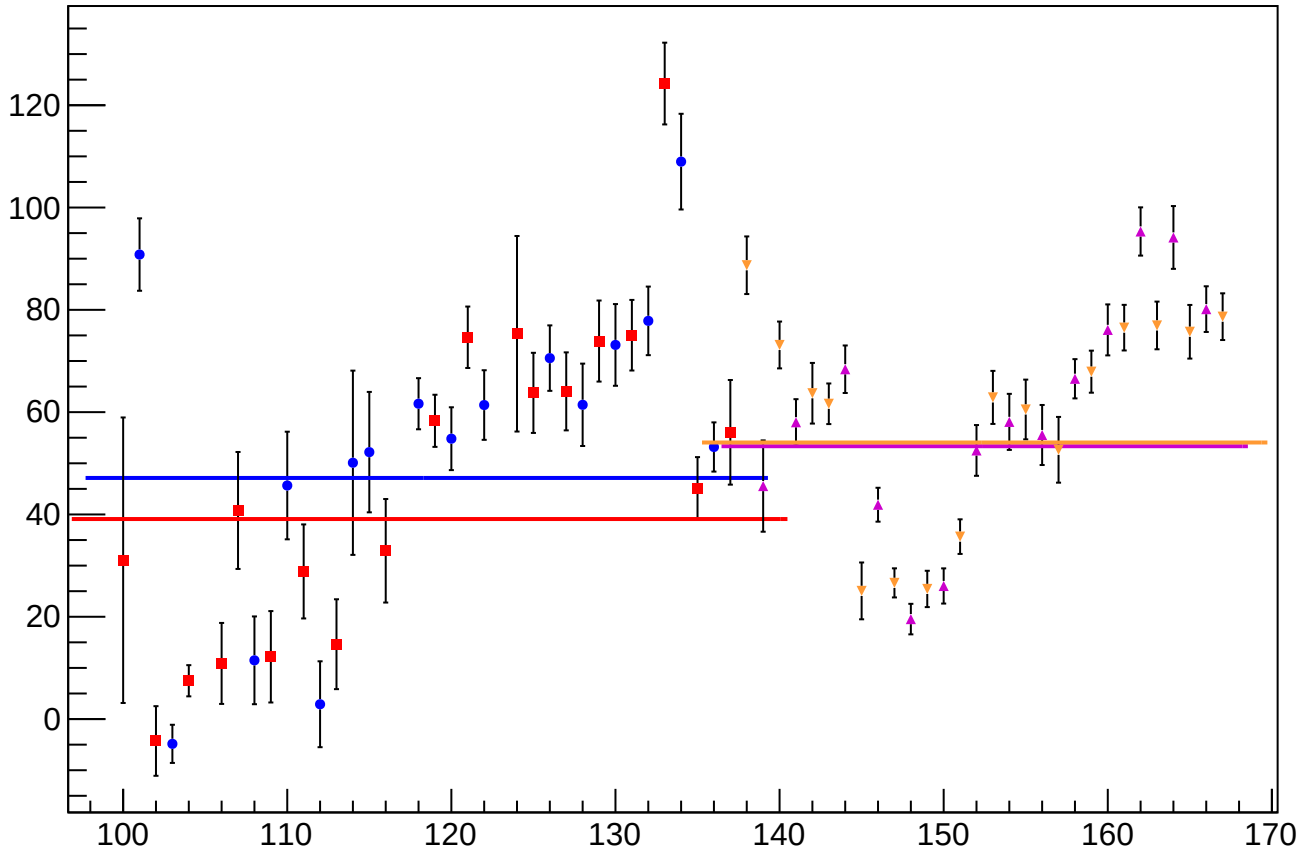
Left: 310.870+/-0.985 χ^2/NDF: 1444.6/29

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 281.545+/-1.007 χ^2/NDF:17083.6/29

Out: 273.446+/-0.978 χ^2/NDF:17673.8/34

All: 277.378+/-0.702 χ^2/NDF: 34790.6/64



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 54.067+/-1.101 χ^2/NDF:387.3/15

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 53.342+/-1.171 χ^2/NDF:408.5/13

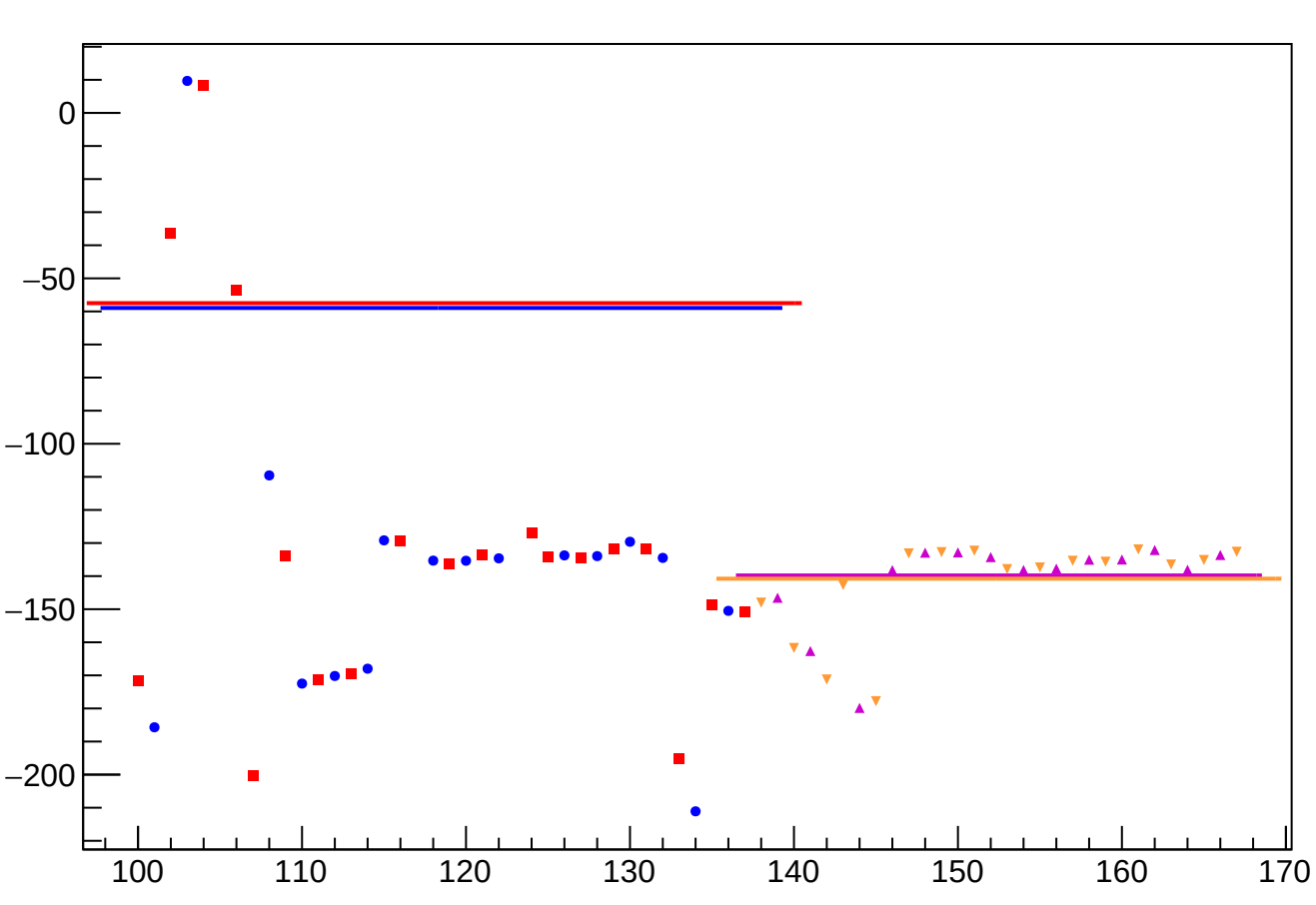
Left: 53.727+/-0.802 χ^2/NDF: 796.0/29

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 51.292+/-0.959 χ^2/NDF:803.1/29

Out: 49.240+/-0.906 χ^2/NDF:863.3/34

All: 50.209+/-0.659 χ^2/NDF: 1668.9/64



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -140.779+/-0.053 χ^2/NDF:57202.8/15

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -139.794+/-0.055 χ^2/NDF:45981.1/13

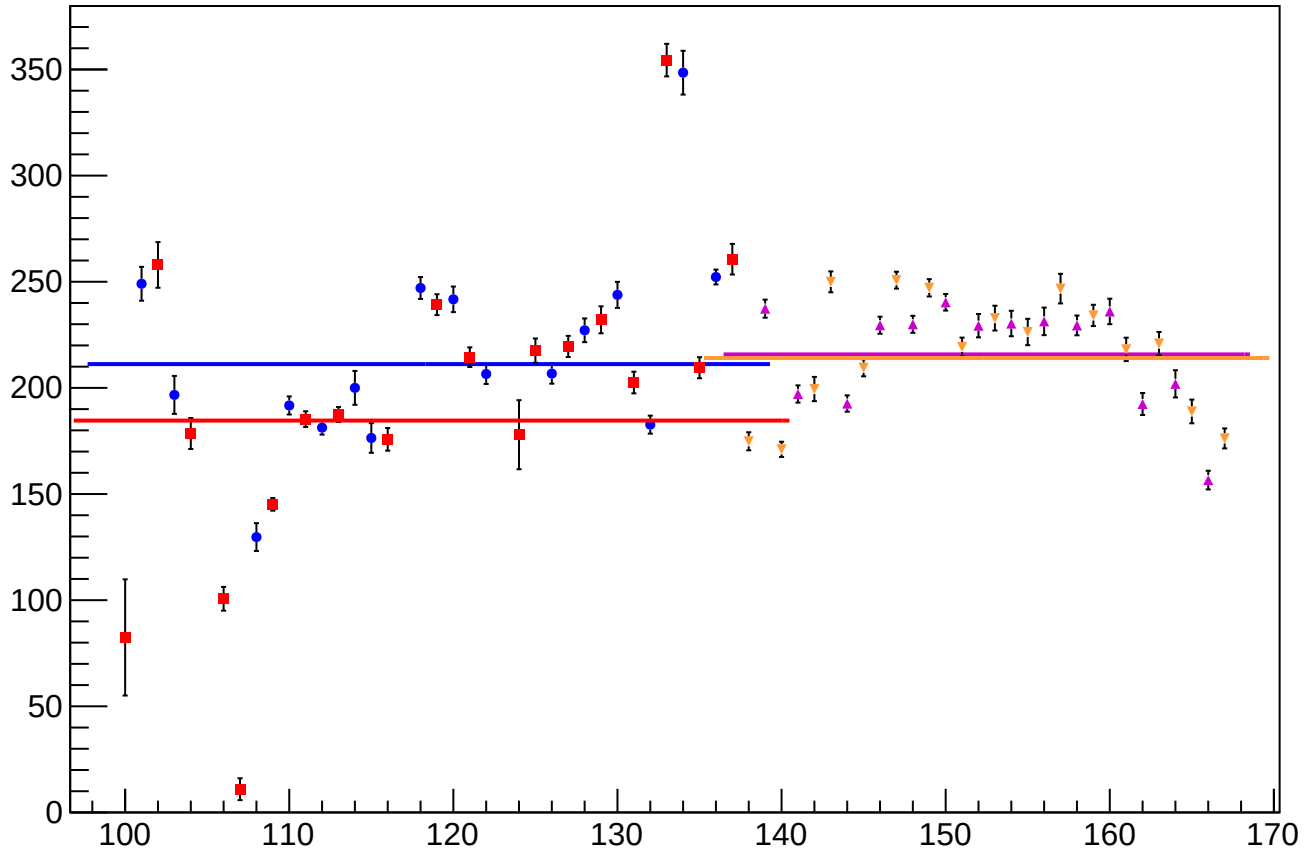
Left: -140.305+/-0.038 χ^2/NDF: 103352.1/29

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -110.531+/-0.044 χ^2/NDF:2063926.8/29

Out: -112.858+/-0.043 χ^2/NDF:1764559.4/34

All: -111.713+/-0.031 χ^2/NDF: 3829927.0/64



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 214.054+/-1.195 χ^2/NDF:582.0/15

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 215.769+/-1.245 χ^2/NDF:390.0/13

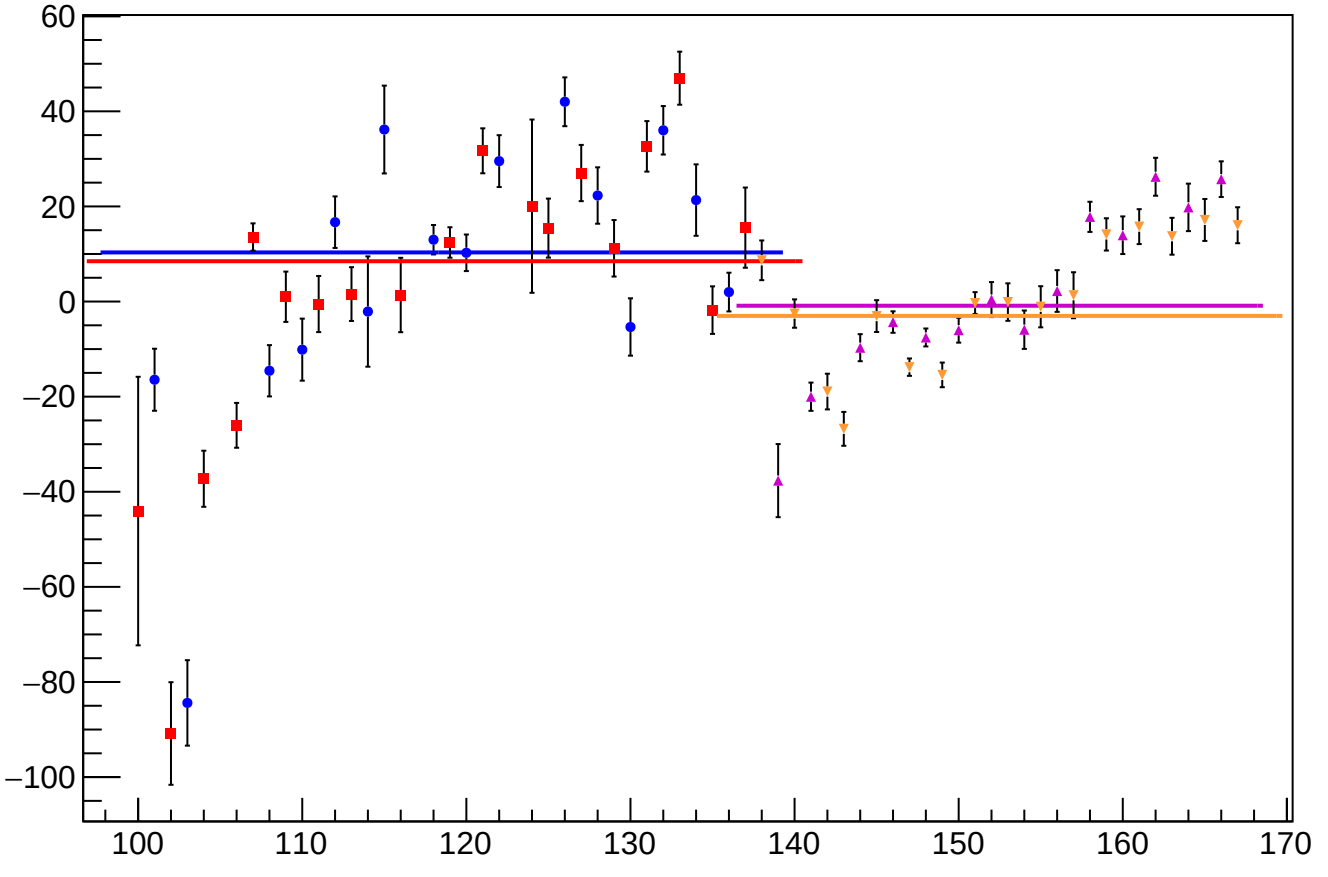
Left: 214.876+/-0.862 χ^2/NDF: 972.9/29

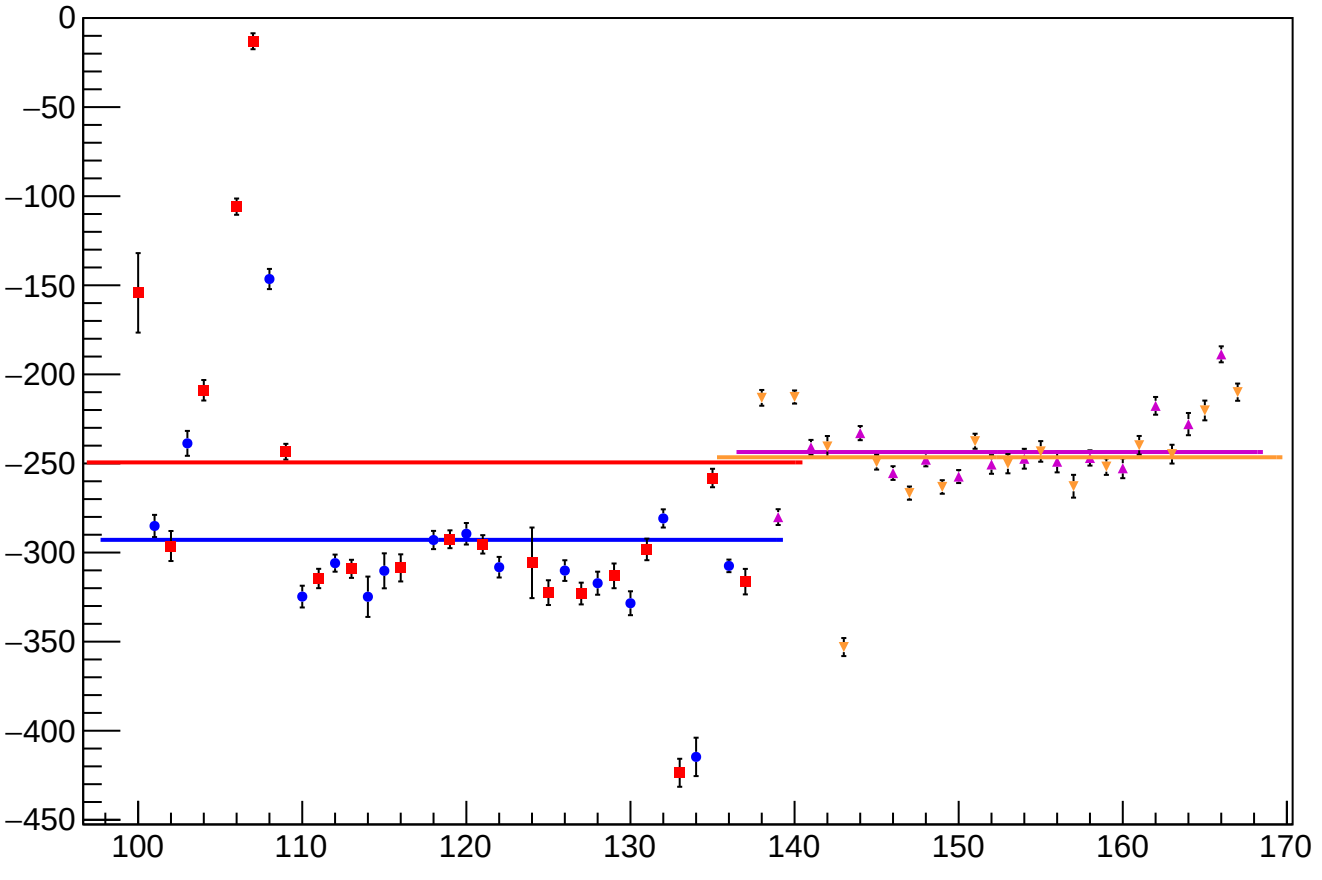
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 213.580+/-0.898 χ^2/NDF:1179.4/29

Out: 199.321+/-0.845 χ^2/NDF:3426.1/34

All: 206.015+/-0.615 χ^2/NDF: 4739.3/64


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 10.329+/-1.333 χ²/NDF: 263.3/15
Left Out: -3.021+/-0.801 χ²/NDF:247.7/15
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: -0.882+/-0.845 χ²/NDF:257.4/13
Left: -2.008+/-0.581 χ²/NDF: 508.5/29
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: 2.331+/-0.713 χ²/NDF:571.2/29
Out: 0.427+/-0.670 χ²/NDF:631.8/34
All: 1.320+/-0.489 χ²/NDF: 1206.7/64



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -246.524+/-1.169 χ^2/NDF:728.1/15

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -243.581+/-1.209 χ^2/NDF:289.1/13

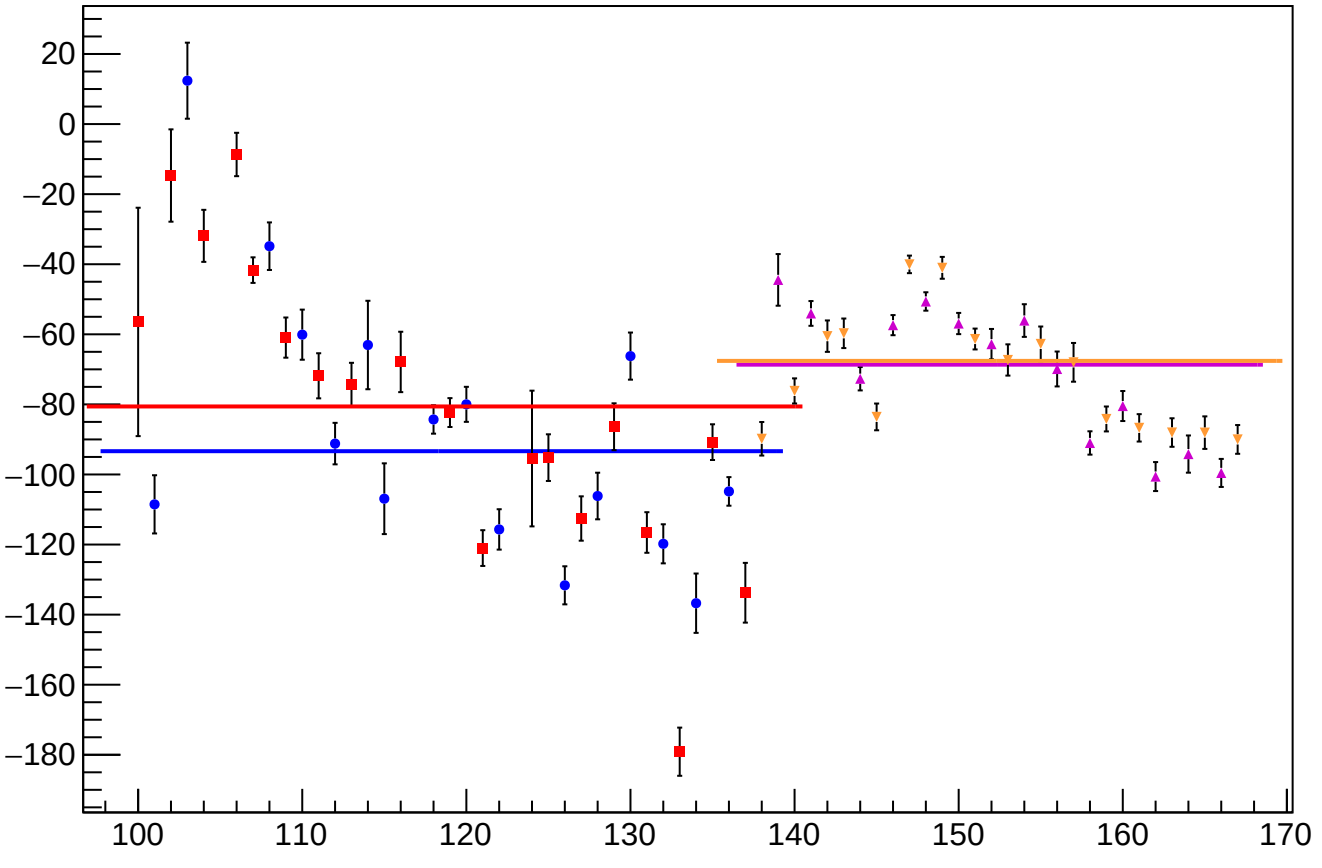
Left: -245.102+/-0.840 χ^2/NDF: 1020.2/29

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -263.502+/-0.933 χ^2/NDF:1944.8/29

Out: -247.740+/-0.889 χ^2/NDF:6099.1/34

All: -255.240+/-0.644 χ^2/NDF: 8193.5/64



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -67.585+/-0.951 χ^2/NDF:369.6/15

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -68.660+/-0.998 χ^2/NDF:311.0/13

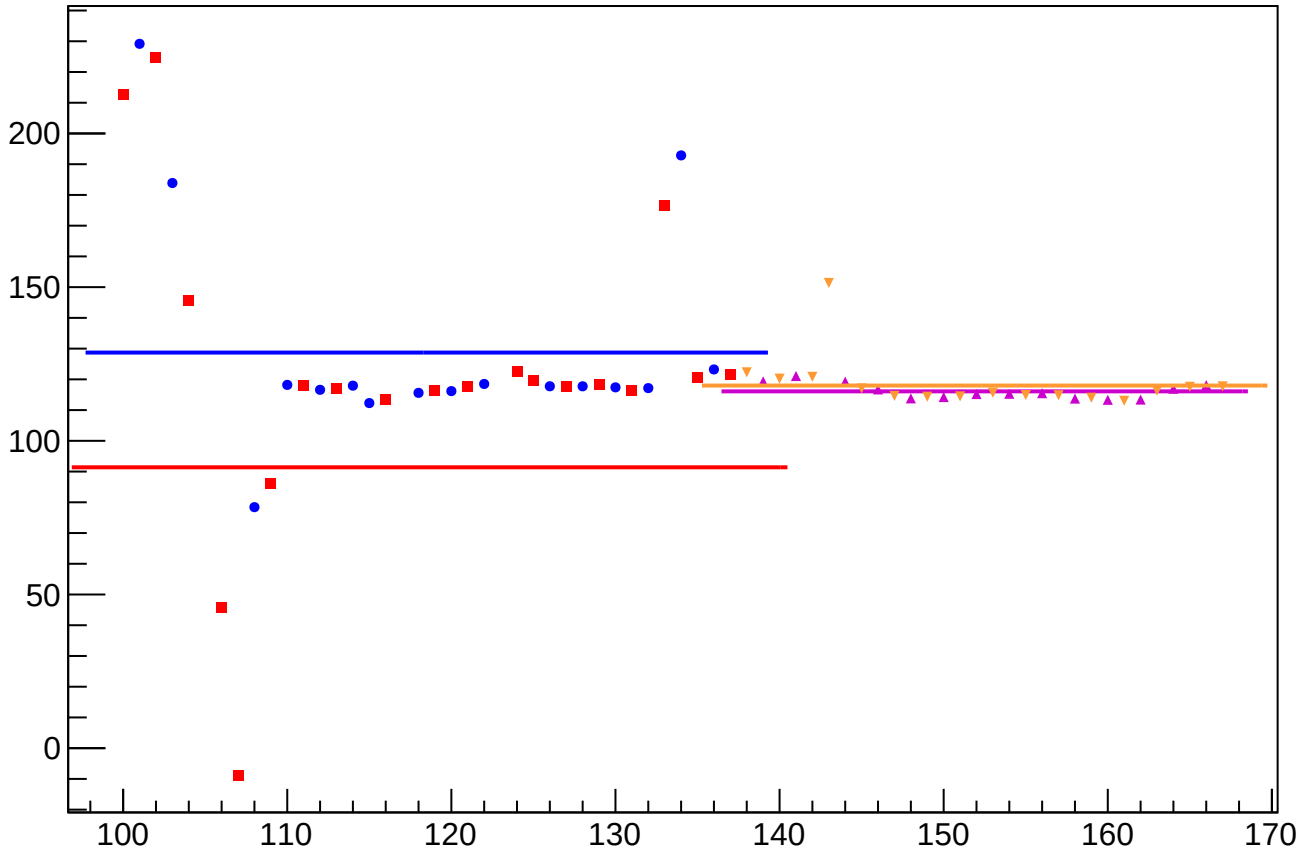
Left: -68.097+/-0.689 χ^2/NDF: 681.2/29

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -76.001+/-0.837 χ^2/NDF:848.4/29

Out: -71.598+/-0.791 χ^2/NDF:1142.7/34

All: -73.677+/-0.575 χ^2/NDF: 2005.7/64



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.985+/-0.045 χ^2/NDF:29406.0/15

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.097+/-0.046 χ^2/NDF:2822.9/13

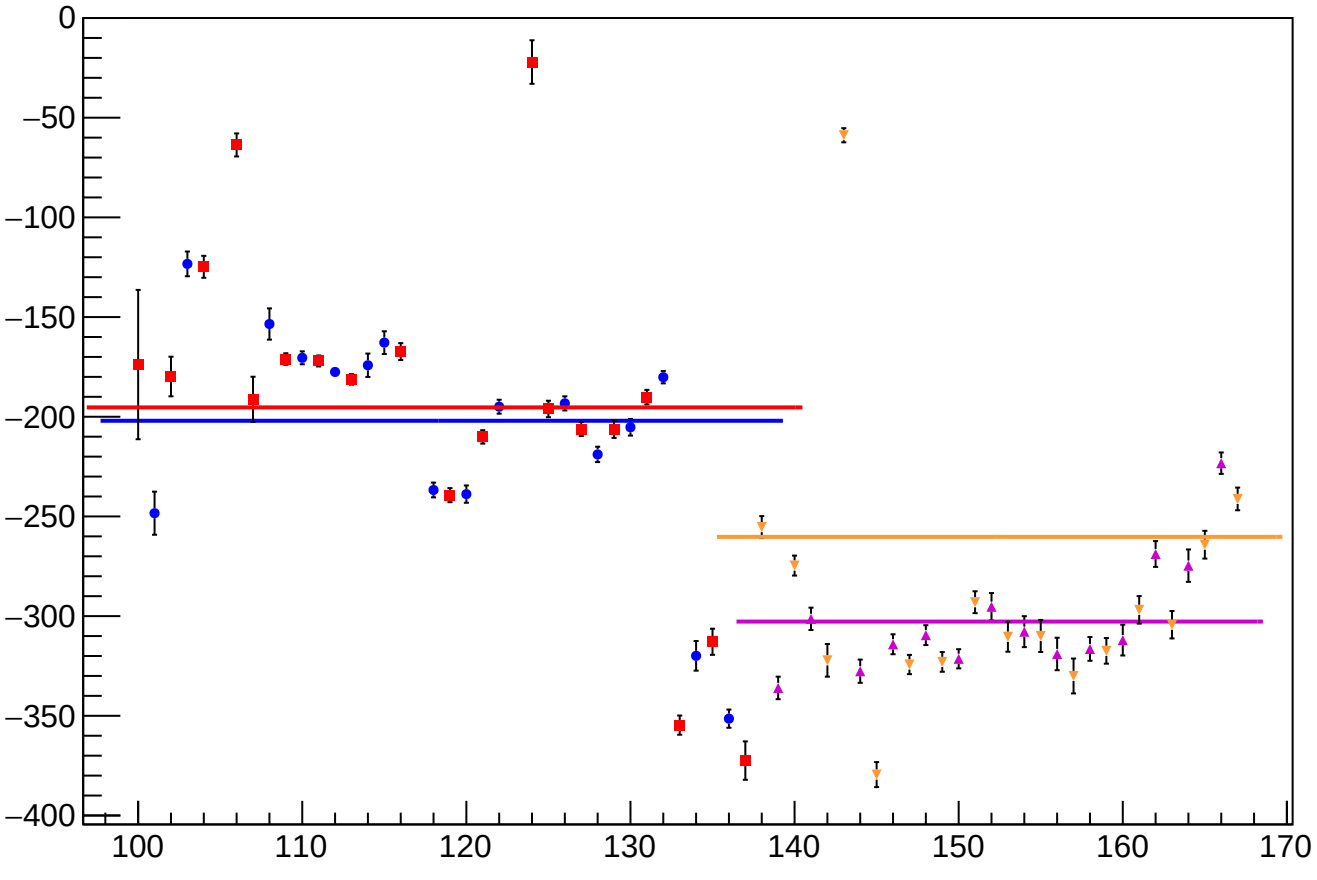
Left: 117.065+/-0.032 χ^2/NDF: 33074.6/29

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.796+/-0.041 χ^2/NDF:202098.5/29

Out: 111.404+/-0.039 χ^2/NDF:719515.2/34

All: 114.926+/-0.028 χ^2/NDF: 938446.5/64



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -260.246+/-1.454 χ^2/NDF:4310.8/15

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -302.738+/-1.606 χ^2/NDF:345.2/13

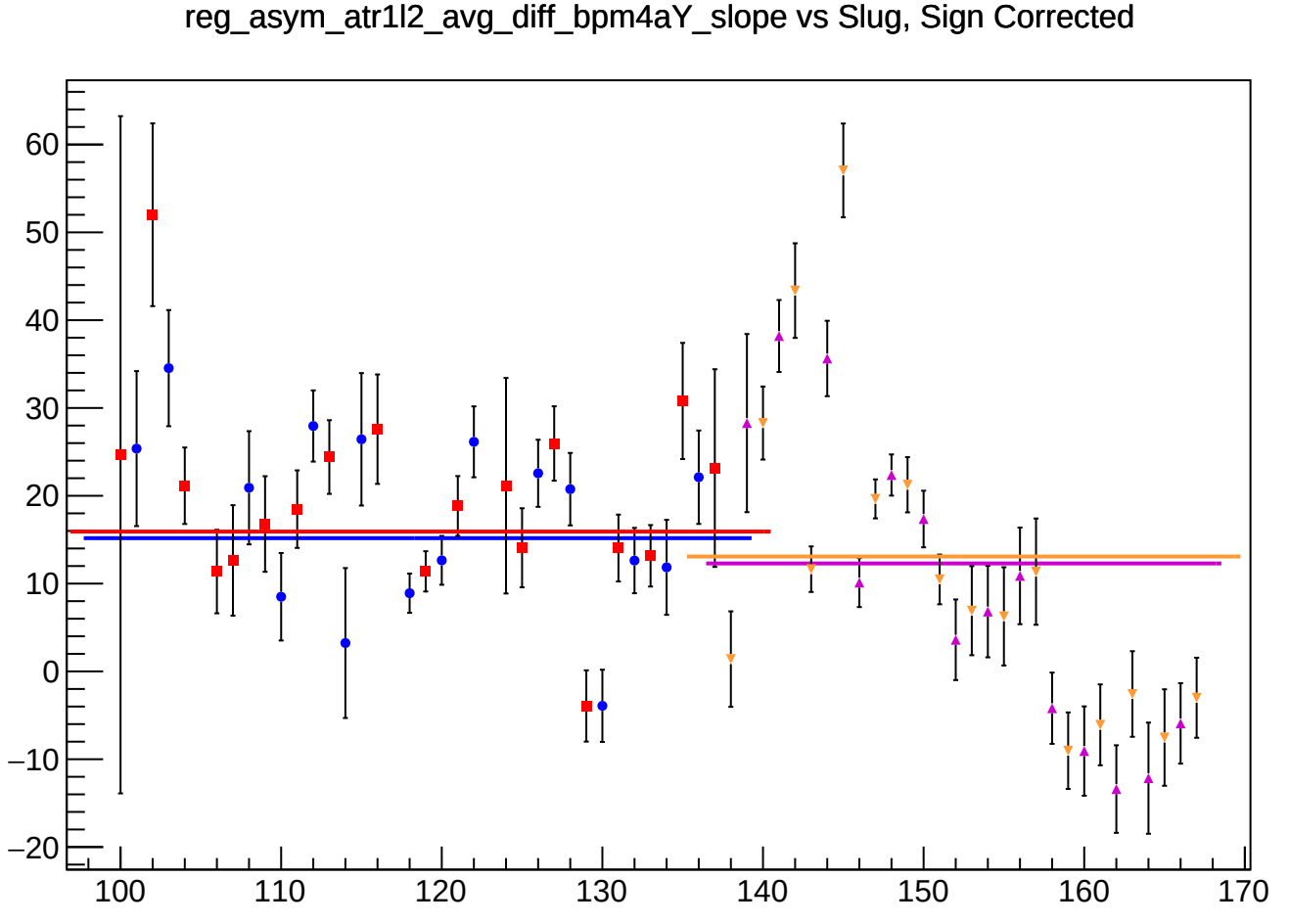
Left: -279.382+/-1.078 χ^2/NDF: 5040.8/29

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -231.136+/-0.863 χ^2/NDF:5181.9/29

Out: -215.434+/-0.809 χ^2/NDF:8788.6/34

All: -222.776+/-0.590 χ^2/NDF: 14146.5/64



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 13.086+/-0.971 χ^2/NDF:217.1/15

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 12.294+/-1.078 χ^2/NDF:189.7/13

Left: 12.731+/-0.722 χ^2/NDF: 407.1/29

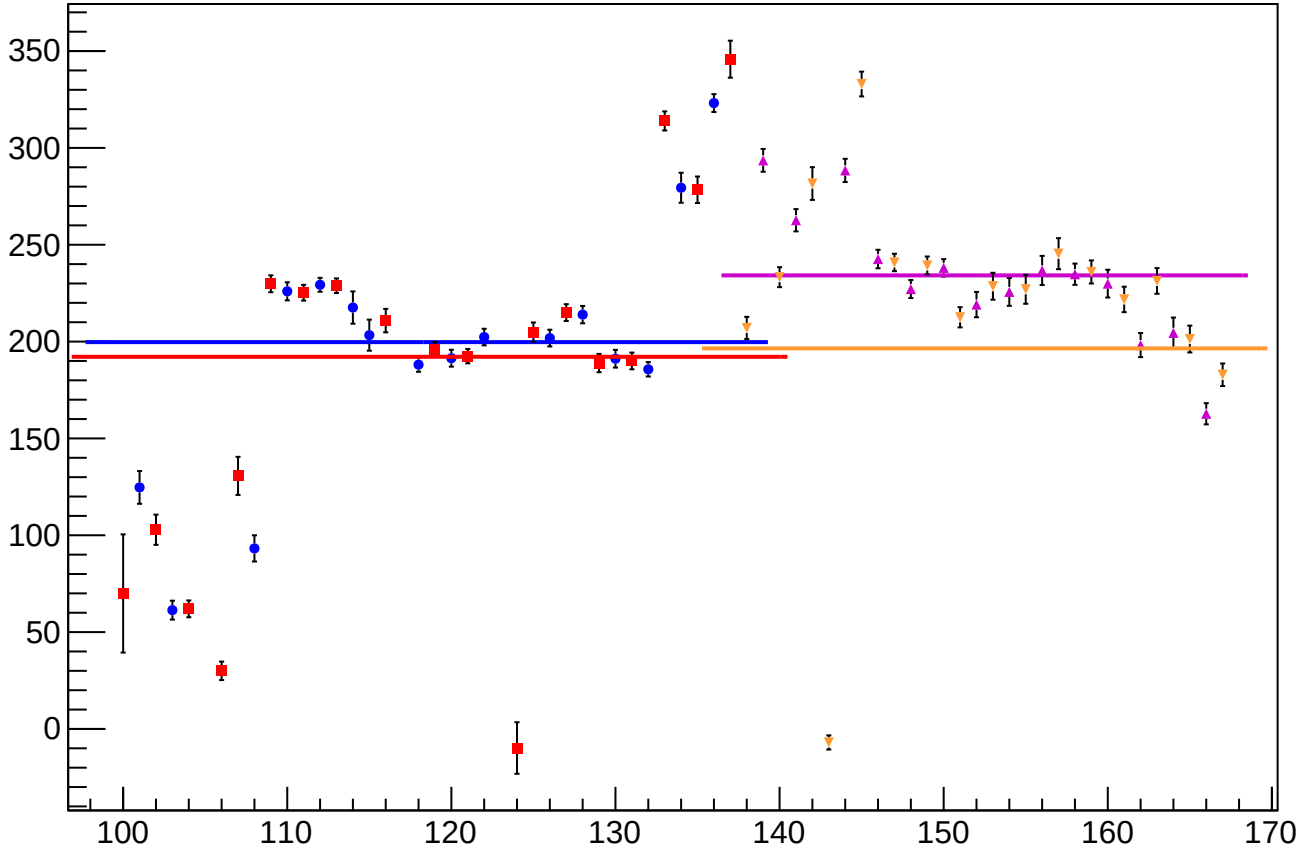
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 13.776+/-0.751 χ^2/NDF:265.7/29

Out: 14.413+/-0.709 χ^2/NDF:284.6/34

All: 14.113+/-0.516 χ^2/NDF: 550.7/64

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 196.483+/-1.425 χ^2/NDF:4061.7/15

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 234.178+/-1.554 χ^2/NDF:438.5/13

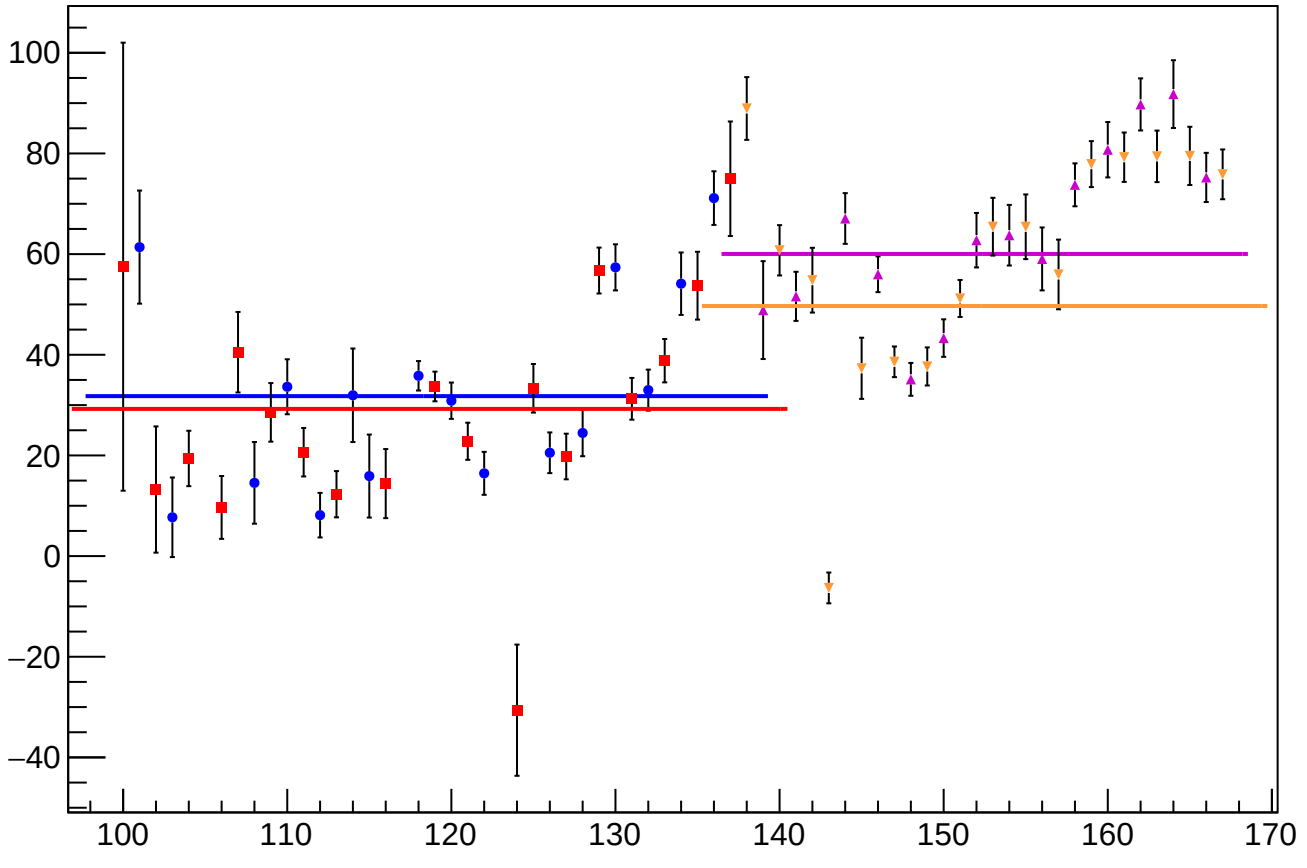
Left: 213.701+/-1.050 χ^2/NDF: 4819.9/29

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 212.539+/-0.948 χ^2/NDF:2849.0/29

Out: 193.864+/-0.895 χ^2/NDF:7844.4/34

All: 202.670+/-0.651 χ^2/NDF: 10898.7/64



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 49.682+/-1.155 χ^2/NDF:585.4/15

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 60.032+/-1.277 χ^2/NDF:176.1/13

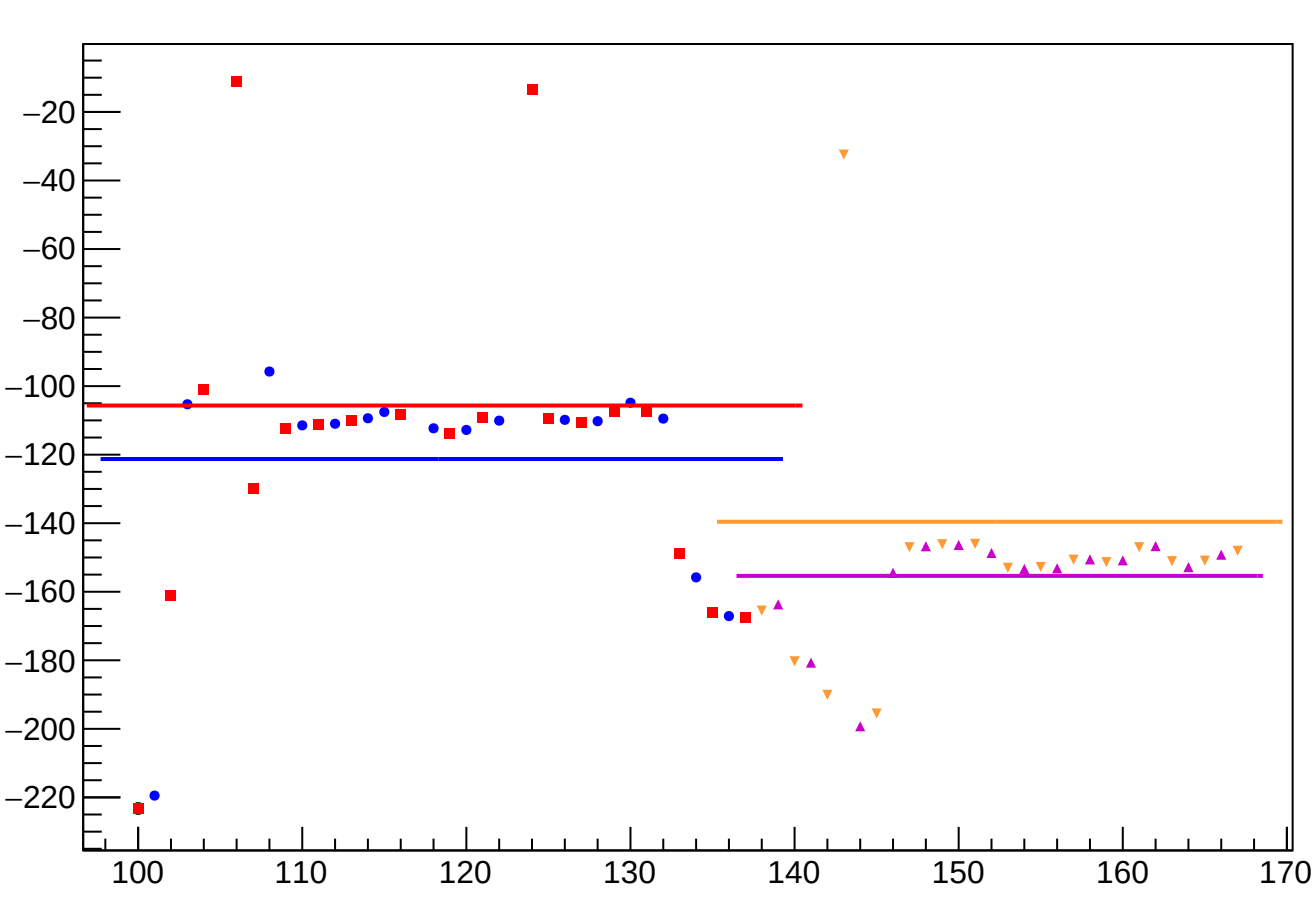
Left: 54.342+/-0.857 χ^2/NDF: 797.6/29

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 45.227+/-0.881 χ^2/NDF:609.7/29

Out: 39.824+/-0.831 χ^2/NDF:877.3/34

All: 42.369+/-0.604 χ^2/NDF: 1506.9/64



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -139.572+/-0.056 χ^2/NDF:632439.0/15

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -155.368+/-0.060 χ^2/NDF:48421.4/13

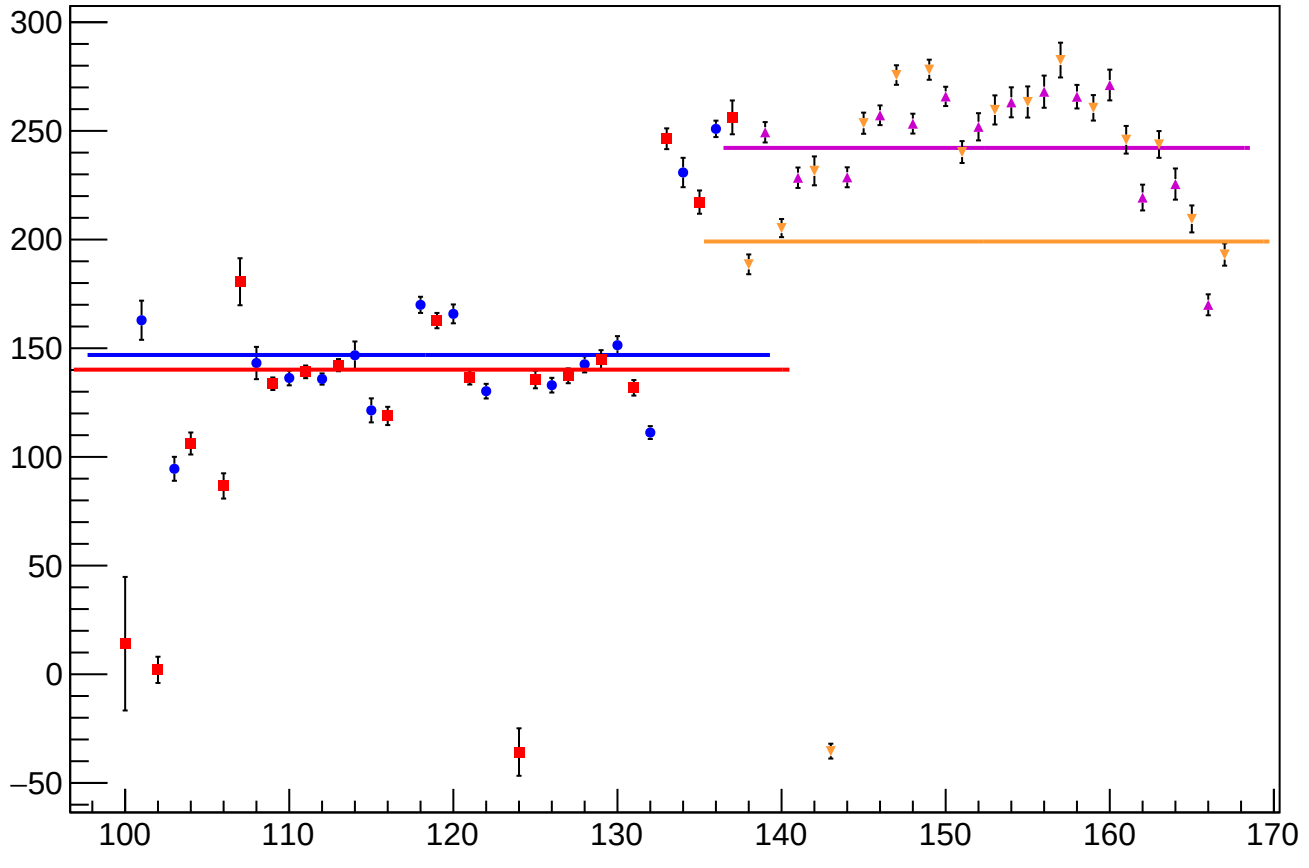
Left: -146.908+/-0.041 χ^2/NDF: 718457.2/29

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -143.039+/-0.048 χ^2/NDF:286104.6/29

Out: -127.508+/-0.045 χ^2/NDF:1120293.9/34

All: -134.755+/-0.033 χ^2/NDF: 1463092.8/64



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 199.114+/-1.298 χ^2/NDF:6001.2/15

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 242.173+/-1.421 χ^2/NDF:368.3/13

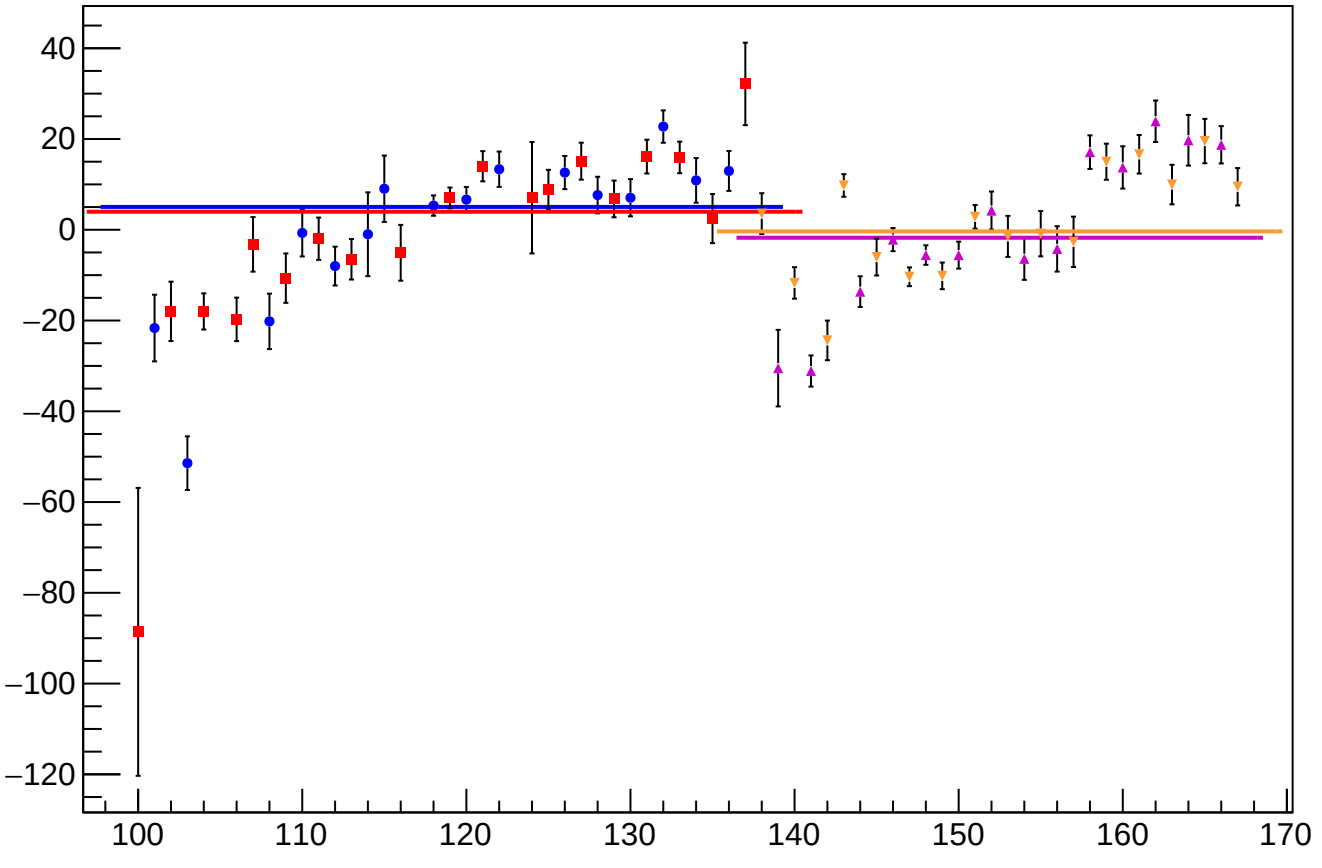
Left: 218.699+/-0.958 χ^2/NDF: 6870.0/29

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 178.592+/-0.820 χ^2/NDF:4669.2/29

Out: 160.999+/-0.772 χ^2/NDF:9285.4/34

All: 169.268+/-0.562 χ^2/NDF: 14198.7/64



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -0.365+/-0.877 χ^2/NDF:155.3/15

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -1.756+/-0.966 χ^2/NDF:213.4/13

Left: -0.994+/-0.650 χ^2/NDF: 369.8/29

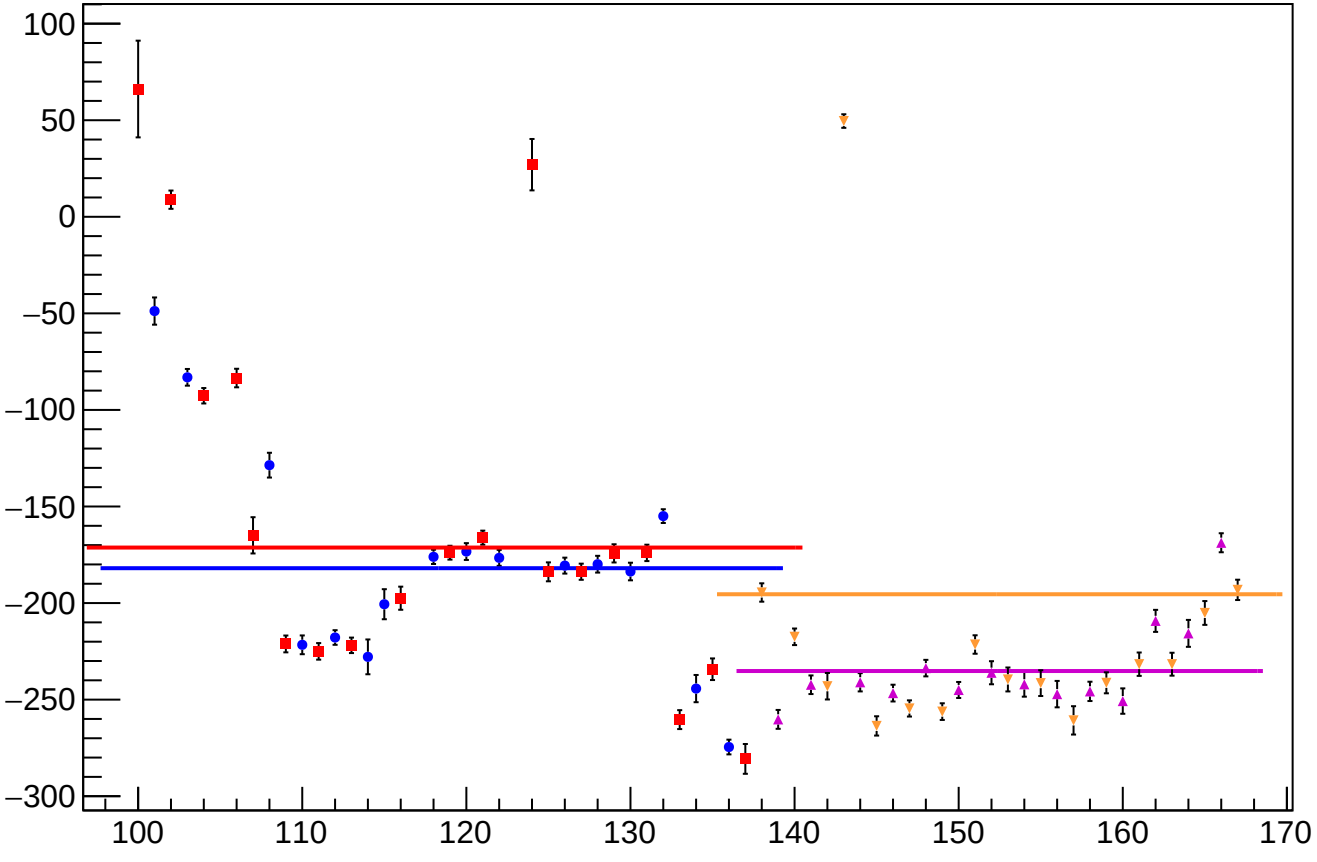
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 1.455+/-0.702 χ^2/NDF:408.6/29

Out: 1.497+/-0.663 χ^2/NDF:310.6/34

All: 1.477+/-0.482 χ^2/NDF: 719.3/64

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -195.437+/-1.276 χ^2/NDF:5866.7/15

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -235.189+/-1.380 χ^2/NDF:267.5/13

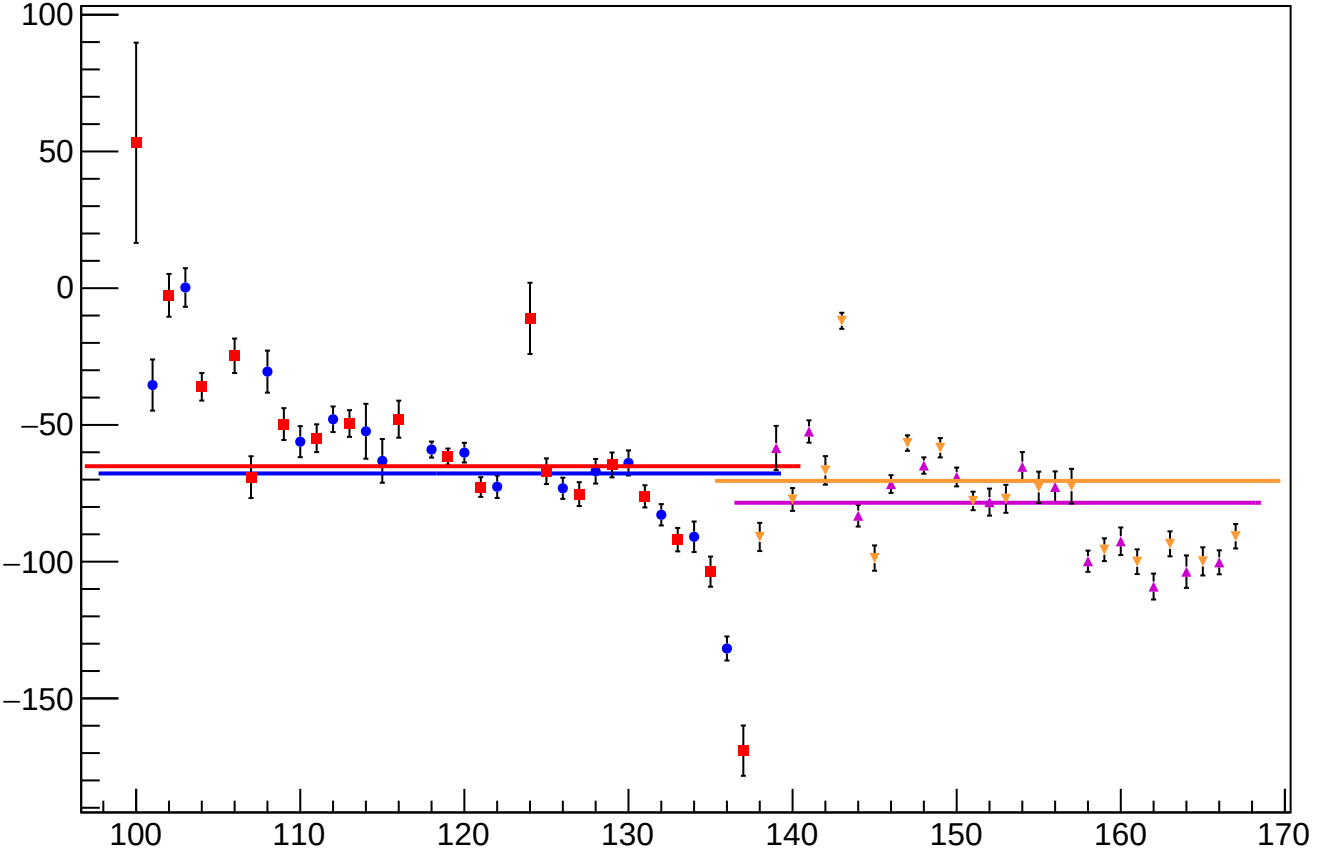
Left: -213.756+/-0.937 χ^2/NDF: 6581.6/29

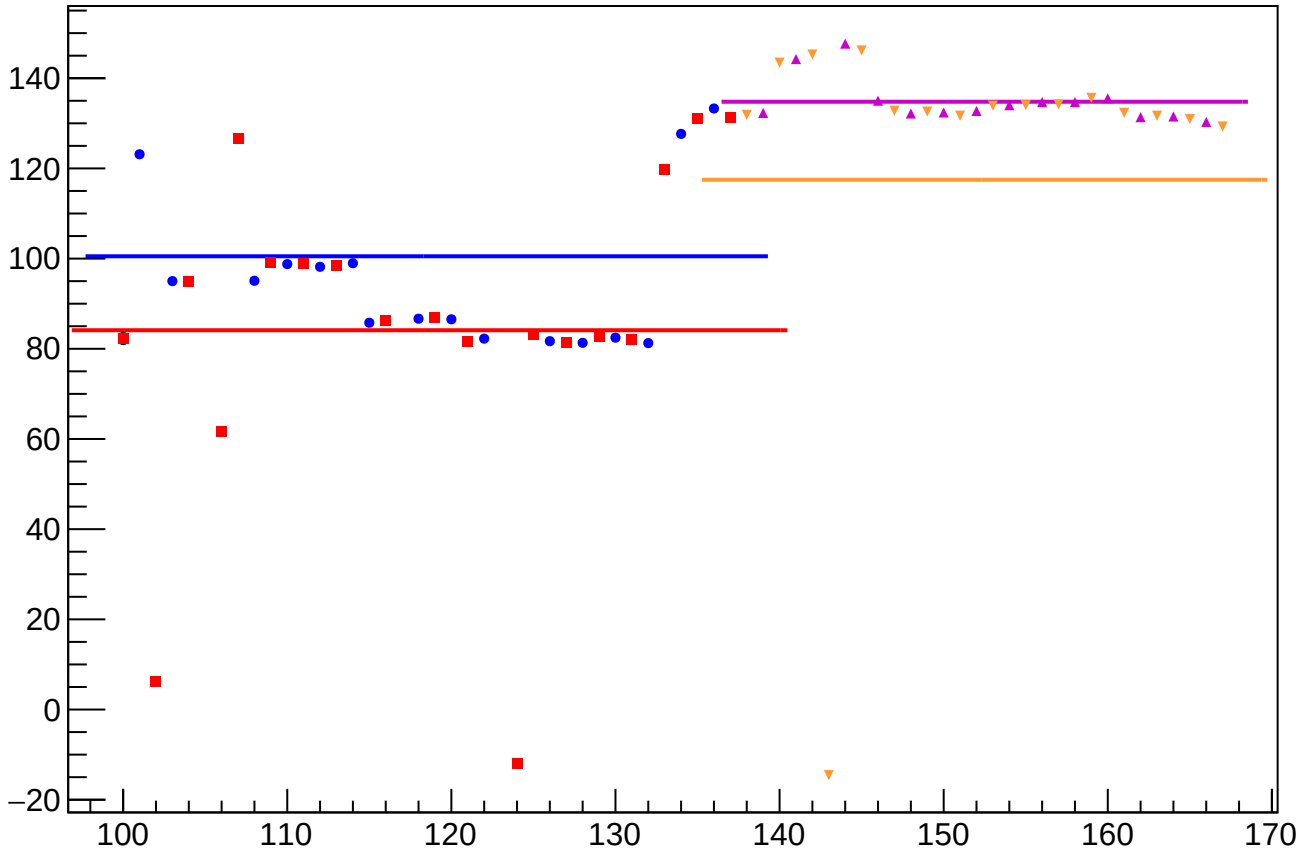
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -203.859+/-0.885 χ^2/NDF:3014.0/29

Out: -181.690+/-0.838 χ^2/NDF:9699.1/34

All: -192.165+/-0.609 χ^2/NDF: 13043.9/64


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: -67.745+/-1.181 χ²/NDF: 414.0/15
Left Out: -70.472+/-1.041 χ²/NDF:652.7/15
Right Out: -65.105+/-1.167 χ²/NDF: 429.0/18
Left In: -78.460+/-1.142 χ²/NDF:210.5/13
Left: -74.098+/-0.769 χ²/NDF: 889.8/29
Right: -66.409+/-0.830 χ²/NDF: 845.6/34
In: -73.283+/-0.821 χ²/NDF:667.0/29
Out: -68.092+/-0.777 χ²/NDF:1093.5/34
All: -70.544+/-0.564 χ²/NDF: 1781.6/64



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 117.480+/-0.050 χ^2/NDF:934460.6/15

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 134.786+/-0.053 χ^2/NDF:7669.9/13

Left: 125.571+/-0.036 χ^2/NDF: 998756.7/29

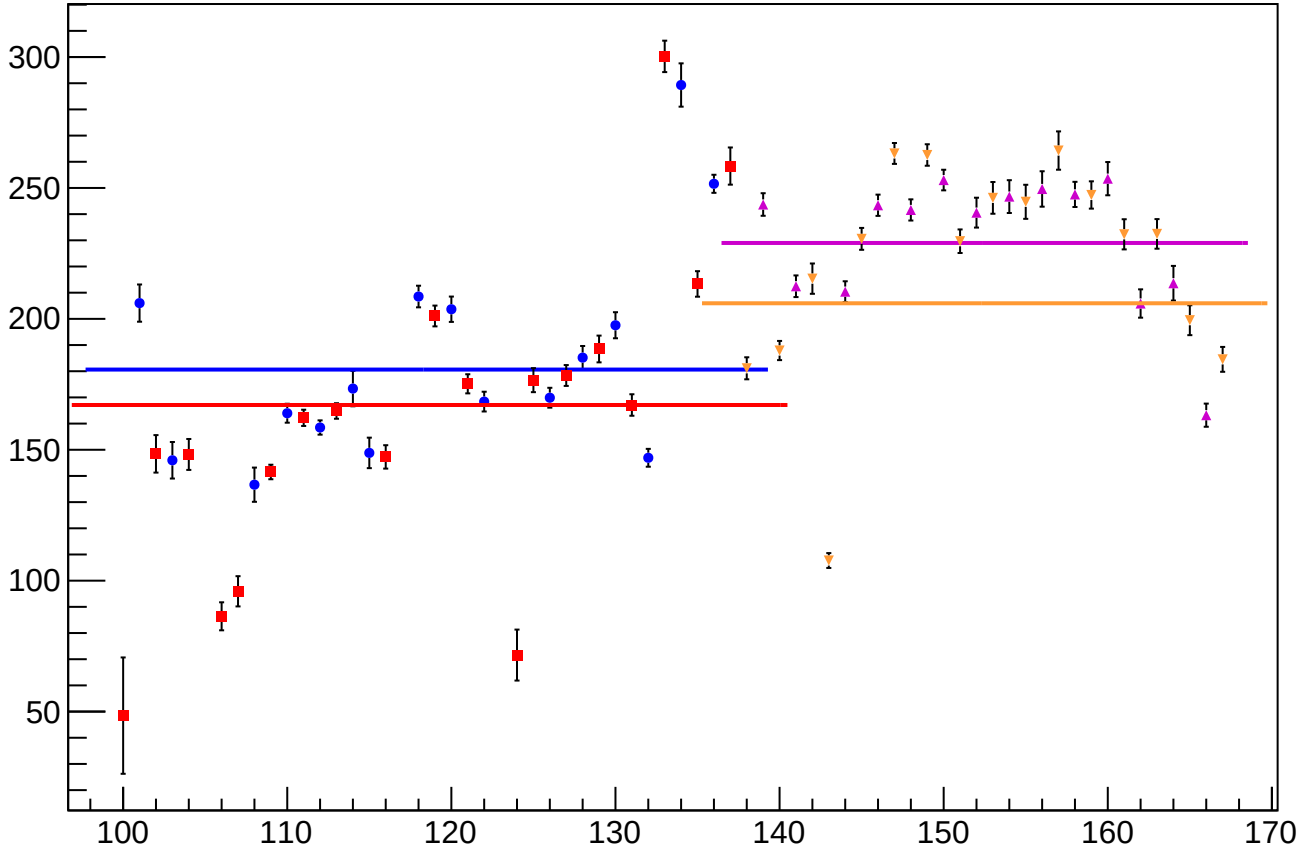
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 123.140+/-0.043 χ^2/NDF:216848.7/29

Out: 106.119+/-0.040 χ^2/NDF:1351524.3/34

All: 114.073+/-0.029 χ^2/NDF: 1651387.2/64

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.953+/-1.150 χ^2/NDF:1986.3/15

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.990+/-1.273 χ^2/NDF:405.5/13

Left: 216.302+/-0.853 χ^2/NDF: 2572.1/29

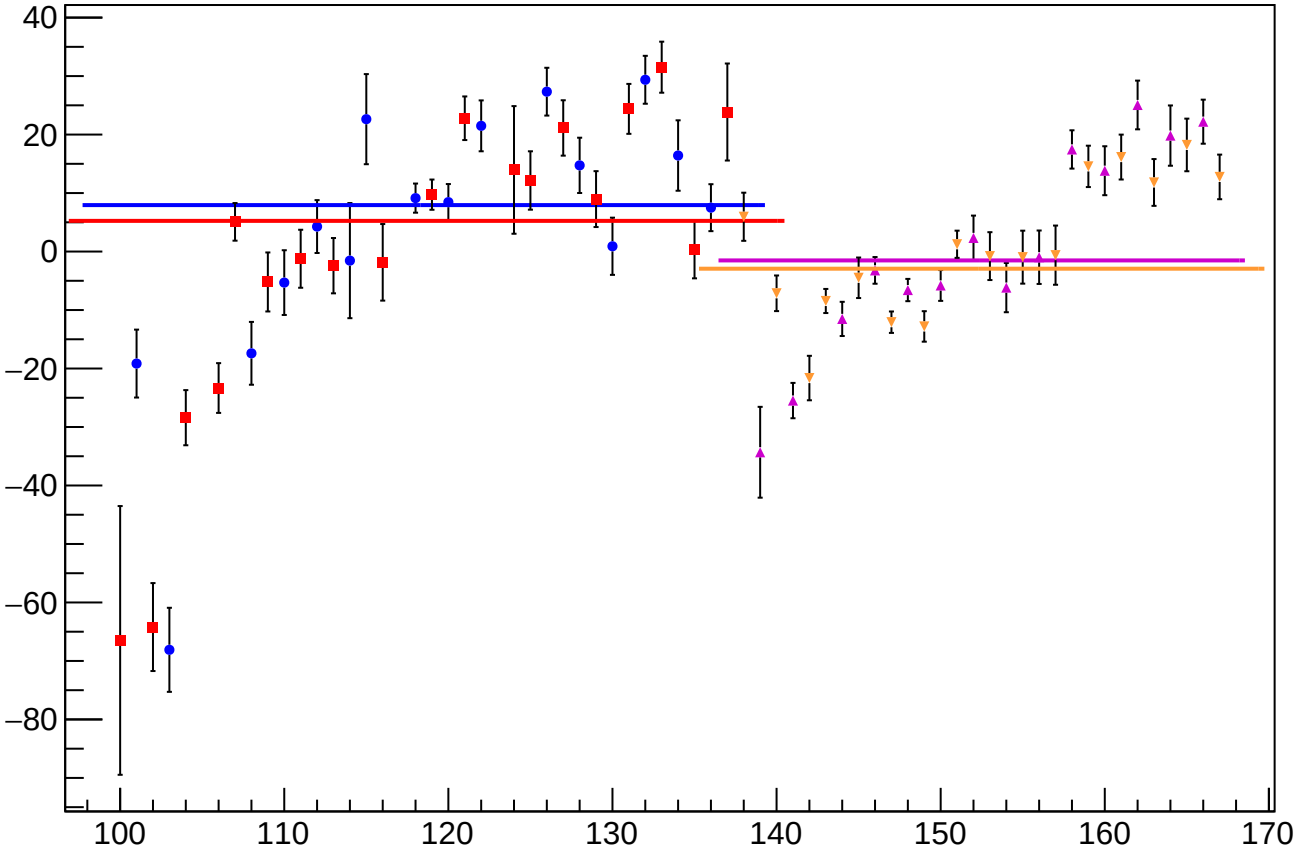
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.075+/-0.828 χ^2/NDF:2231.4/29

Out: 184.224+/-0.763 χ^2/NDF:4109.2/34

All: 191.968+/-0.561 χ^2/NDF: 6564.5/64

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.933+/-0.776 χ^2/NDF:183.2/15

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.517+/-0.863 χ^2/NDF:249.5/13

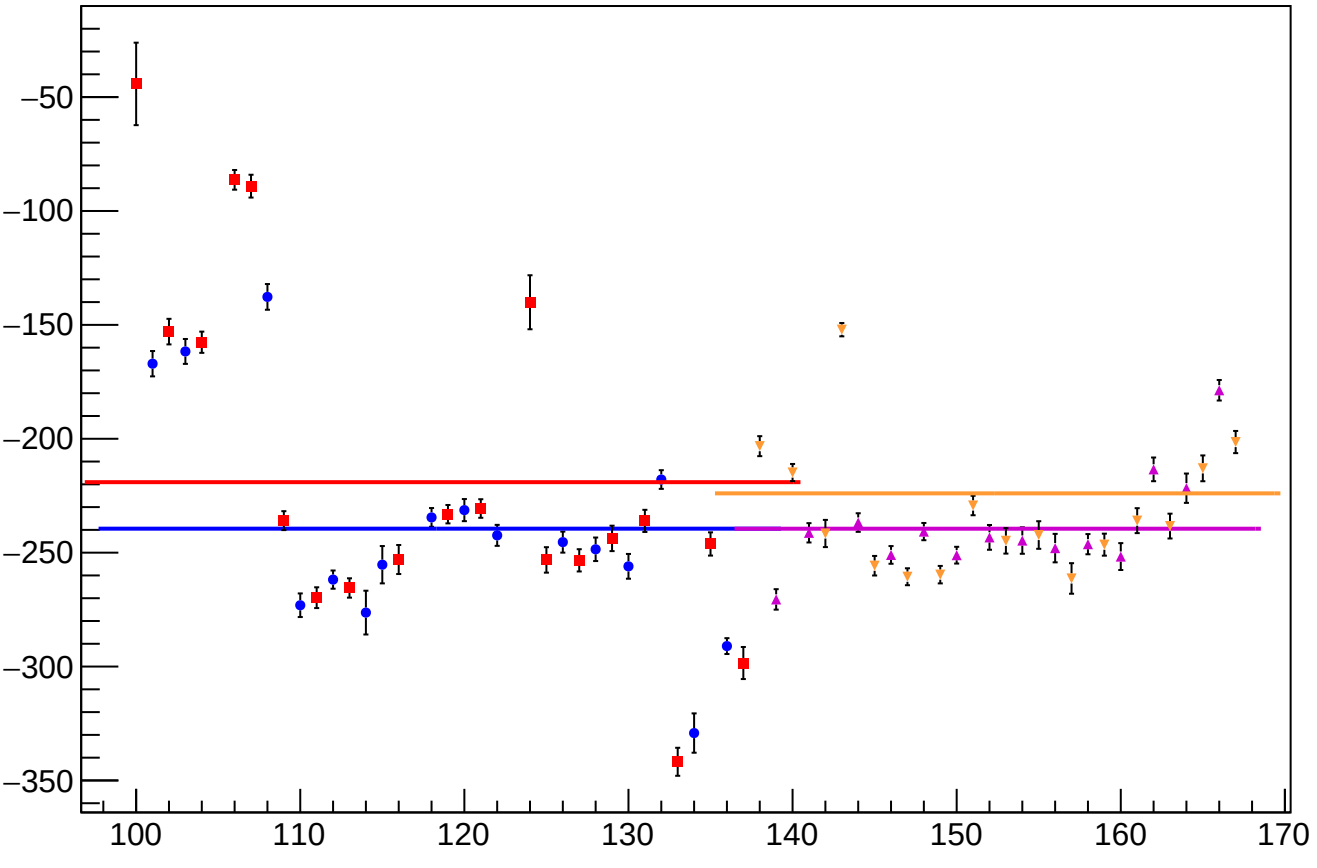
Left: -2.300+/-0.577 χ^2/NDF: 434.2/29

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.031+/-0.682 χ^2/NDF:527.5/29

Out: -0.088+/-0.627 χ^2/NDF:524.7/34

All: 0.882+/-0.461 χ^2/NDF: 1057.5/64



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.966+/-1.131 χ^2/NDF:993.8/15

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.487+/-1.236 χ^2/NDF:291.5/13

Left: -231.040+/-0.835 χ^2/NDF: 1371.1/29

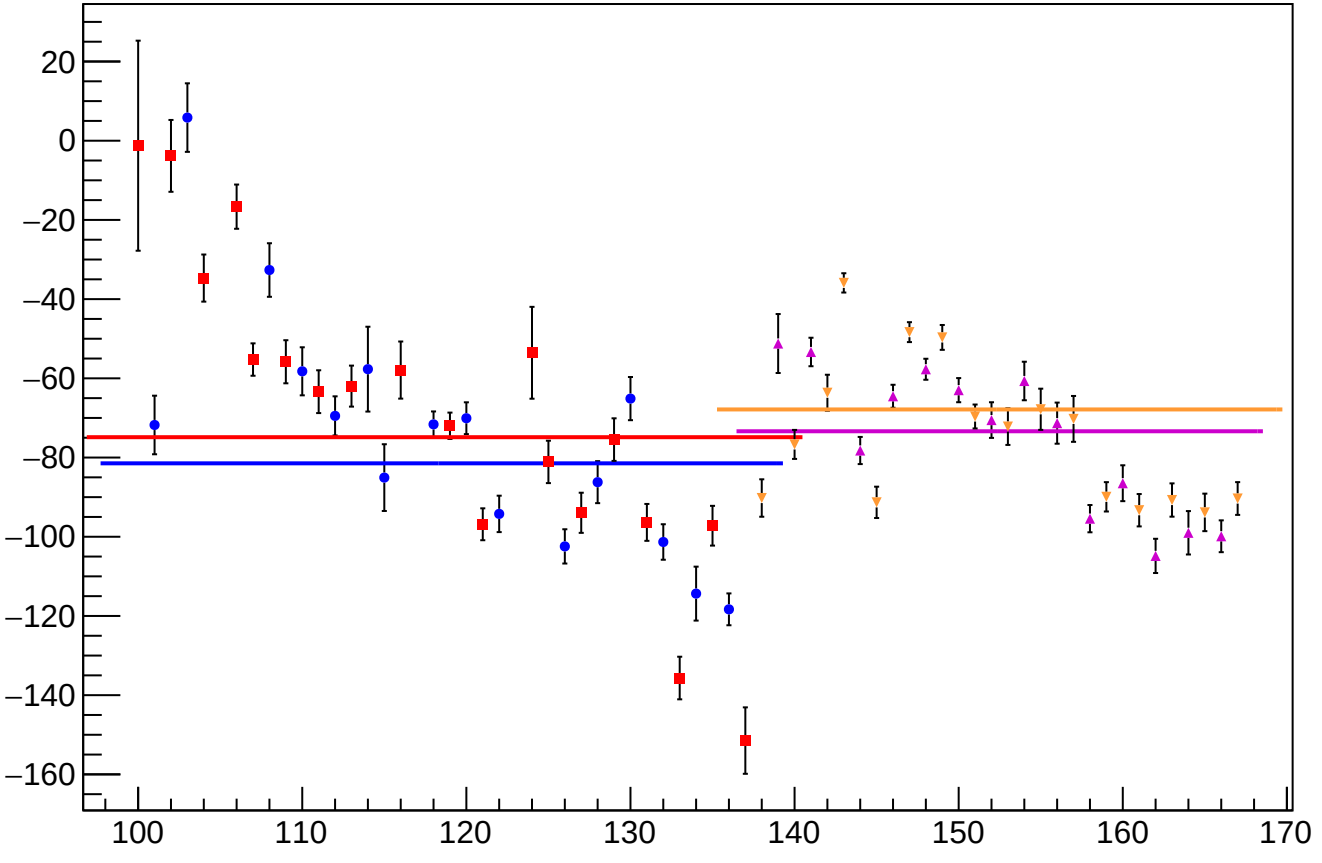
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.478+/-0.877 χ^2/NDF:1453.8/29

Out: -221.605+/-0.815 χ^2/NDF:4052.2/34

All: -229.888+/-0.597 χ^2/NDF: 5728.6/64

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -67.855+/-0.922 χ^2/NDF:495.0/15

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.365+/-1.021 χ^2/NDF:272.9/13

Left: -70.332+/-0.684 χ^2/NDF: 783.9/29

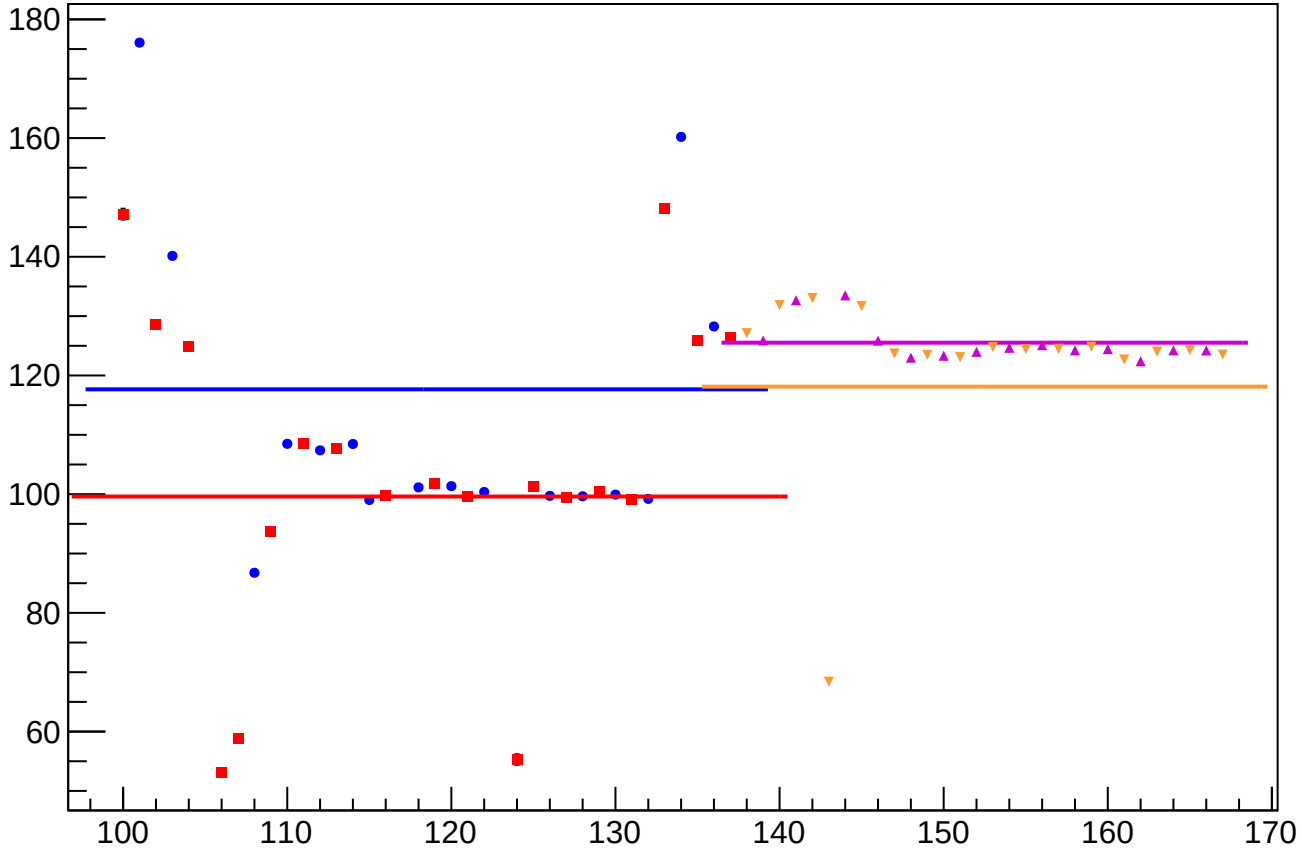
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.492+/-0.800 χ^2/NDF:663.7/29

Out: -70.377+/-0.738 χ^2/NDF:1092.4/34

All: -73.189+/-0.542 χ^2/NDF: 1787.6/64

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.118+/-0.044 χ^2/NDF:197406.9/15

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.527+/-0.048 χ^2/NDF:4621.7/13

Left: 121.551+/-0.032 χ^2/NDF: 215000.8/29

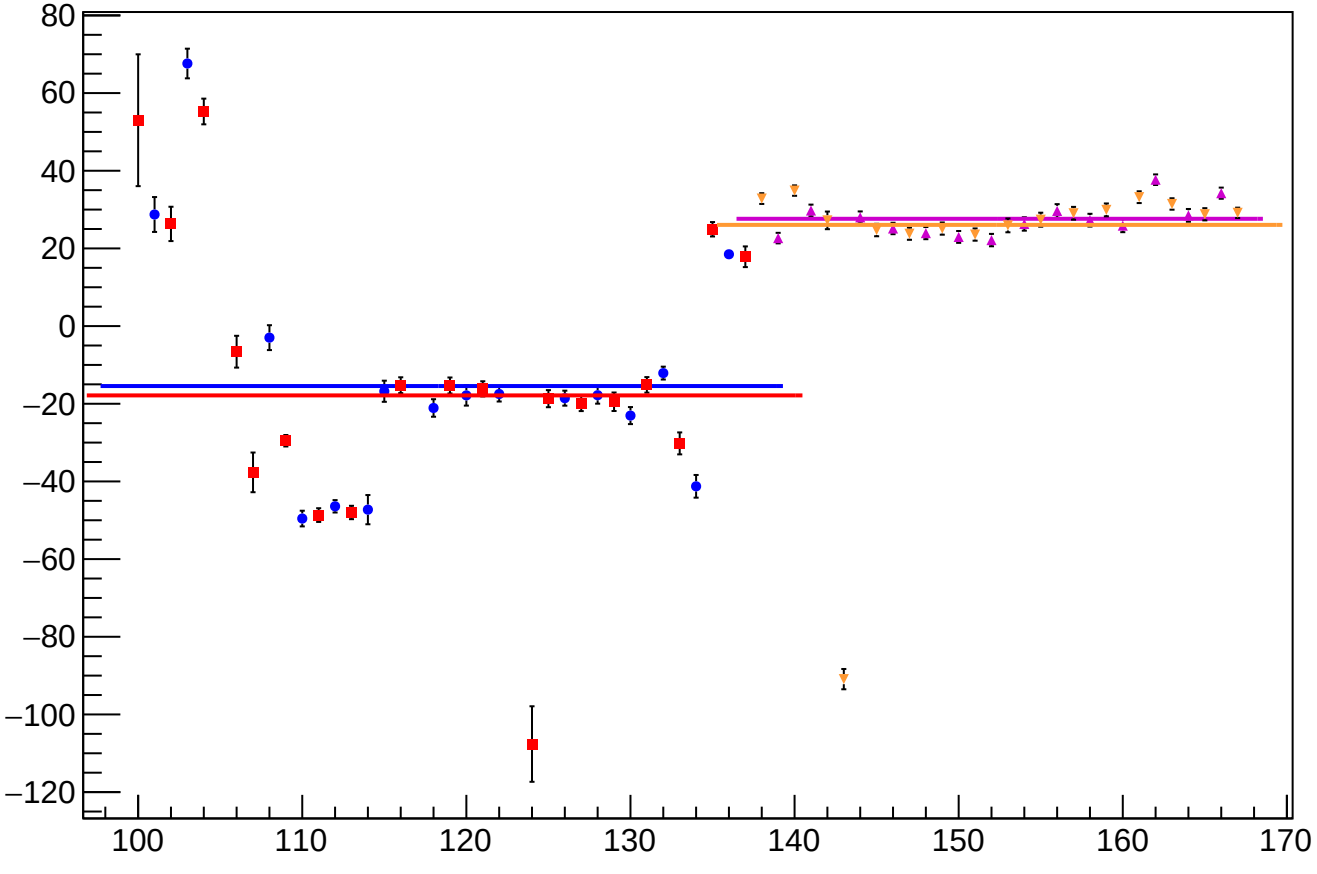
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.401+/-0.041 χ^2/NDF:107380.8/29

Out: 112.860+/-0.037 χ^2/NDF:413297.4/34

All: 117.695+/-0.028 χ^2/NDF: 556981.8/64

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 26.061+/-0.401 χ^2/NDF:2131.1/15

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.629+/-0.413 χ^2/NDF:124.1/13

Left: 26.822+/-0.287 χ^2/NDF: 2262.6/29

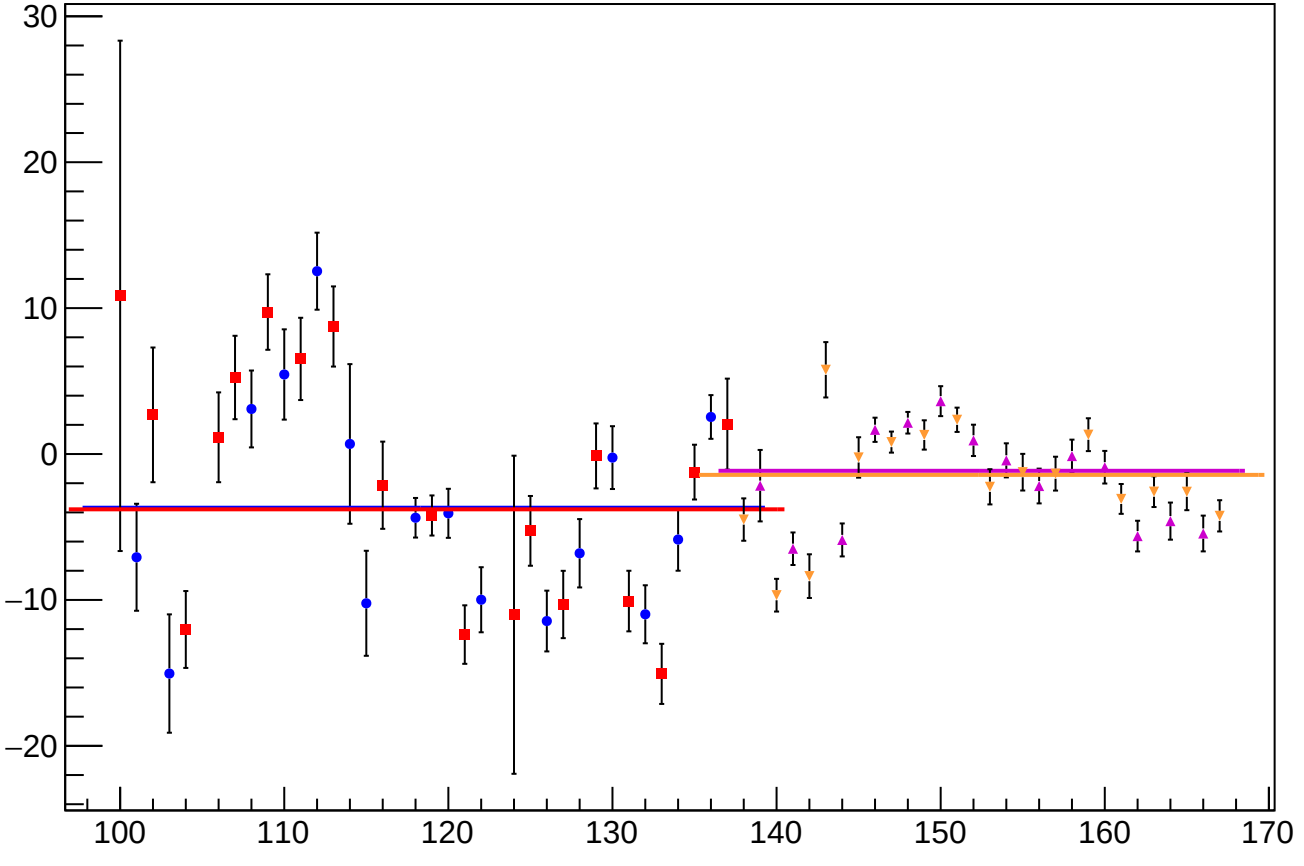
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 11.720+/-0.328 χ^2/NDF:6273.5/29

Out: 10.085+/-0.319 χ^2/NDF:8628.8/34

All: 10.882+/-0.229 χ^2/NDF: 14915.0/64

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.429+/-0.276 χ^2/NDF:150.9/15

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.150+/-0.288 χ^2/NDF:137.2/13

Left: -1.295+/-0.199 χ^2/NDF: 288.5/29

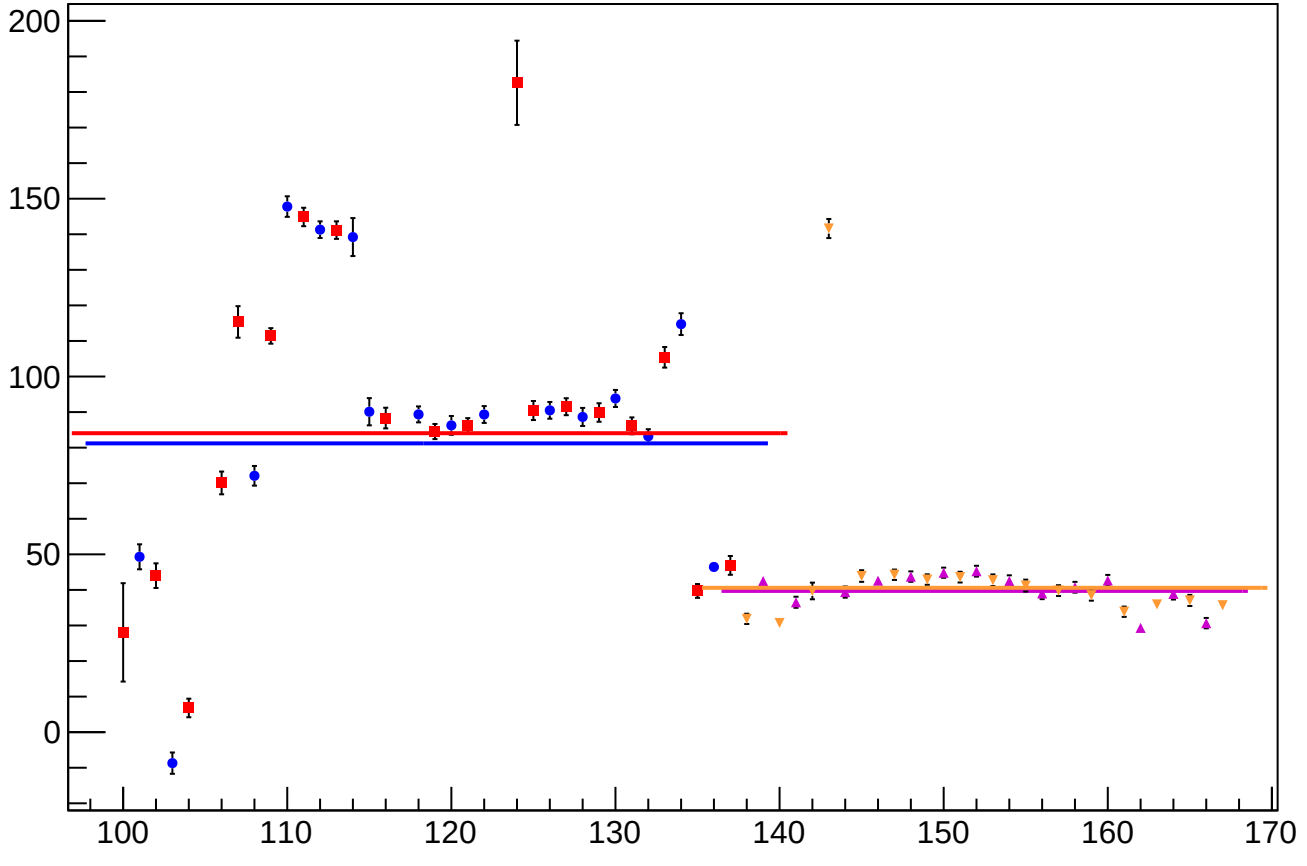
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.691+/-0.255 χ^2/NDF:277.7/29

Out: -1.887+/-0.248 χ^2/NDF:326.2/34

All: -1.792+/-0.178 χ^2/NDF: 604.2/64

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 40.593+/-0.390 χ^2/NDF:1573.0/15

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.720+/-0.400 χ^2/NDF:154.6/13

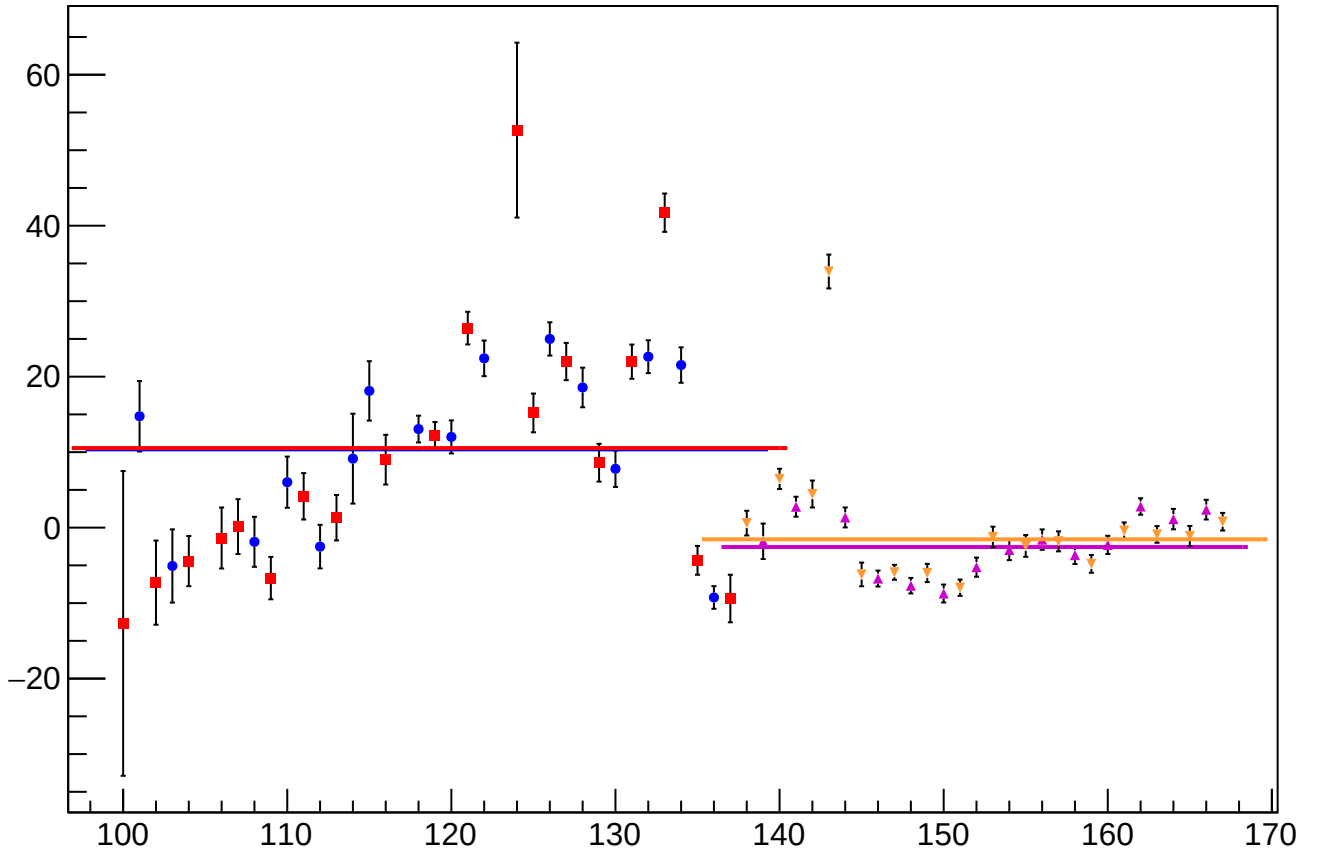
Left: 40.167+/-0.279 χ^2/NDF: 1730.1/29

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 52.258+/-0.334 χ^2/NDF:6643.5/29

Out: 53.028+/-0.330 χ^2/NDF:8332.2/34

All: 52.648+/-0.235 χ^2/NDF: 14978.3/64



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.549+/-0.321 χ^2/NDF:390.0/15

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -2.569+/-0.334 χ^2/NDF:144.6/13

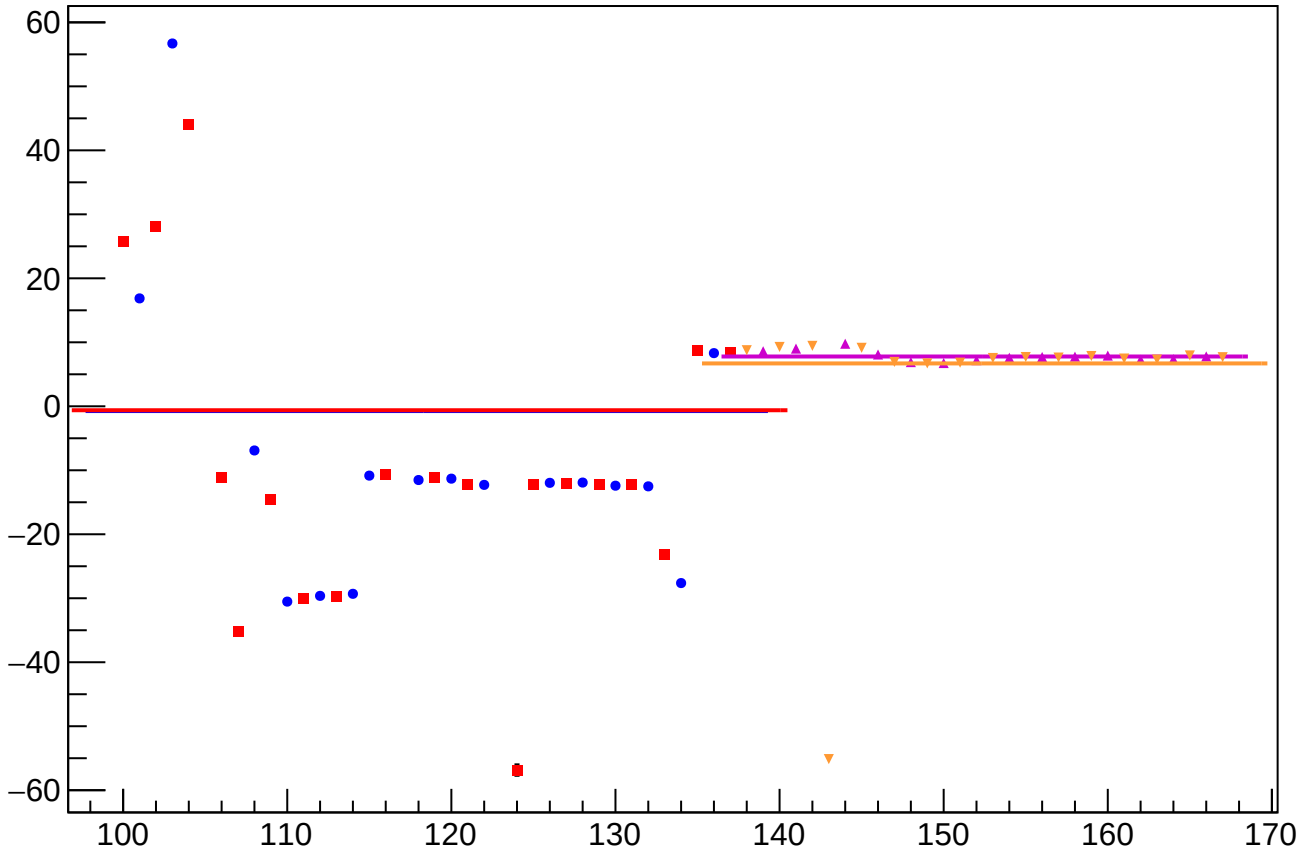
Left: -2.039+/-0.232 χ^2/NDF: 539.5/29

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.291+/-0.295 χ^2/NDF:836.4/29

Out: 0.884+/-0.287 χ^2/NDF:1145.5/34

All: 0.595+/-0.206 χ^2/NDF: 1984.0/64



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.698+/-0.015 χ^2/NDF:314074.9/15

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.781+/-0.015 χ^2/NDF:2291.7/13

Left: 7.226+/-0.010 χ^2/NDF: 319025.1/29

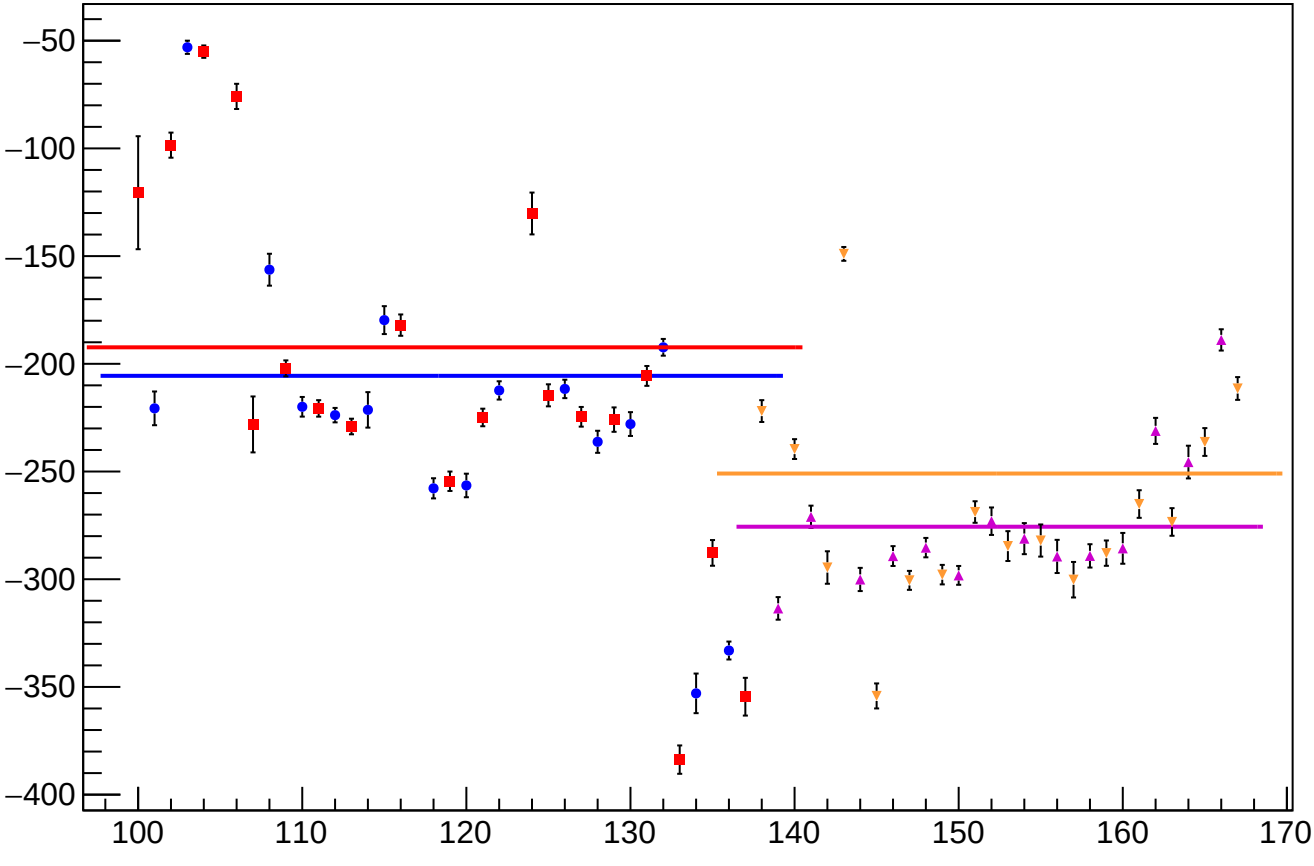
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.507+/-0.014 χ^2/NDF:418318.4/29

Out: 5.720+/-0.014 χ^2/NDF:663844.1/34

All: 6.107+/-0.010 χ^2/NDF: 1083797.9/64

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -250.934+/-1.334 χ^2/NDF:1840.1/15

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -275.624+/-1.479 χ^2/NDF:503.7/13

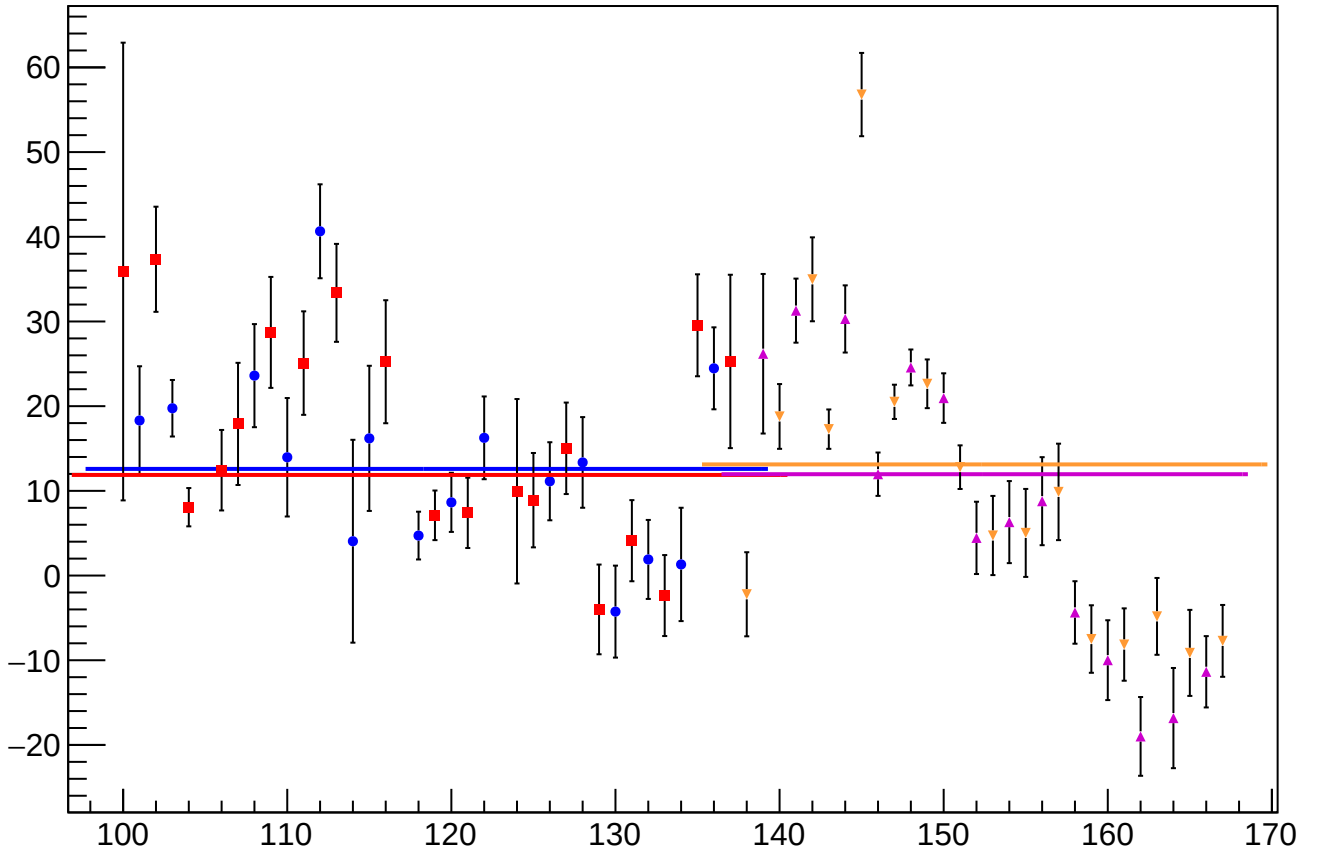
Left: -262.008+/-0.991 χ^2/NDF: 2497.4/29

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -232.947+/-0.925 χ^2/NDF:5925.7/29

Out: -216.629+/-0.859 χ^2/NDF:7939.1/34

All: -224.187+/-0.629 χ^2/NDF: 14031.9/64



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 13.123+/-0.889 χ^2/NDF:254.0/15

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 11.966+/-0.990 χ^2/NDF:239.3/13

Left: 12.607+/-0.661 χ^2/NDF: 494.1/29

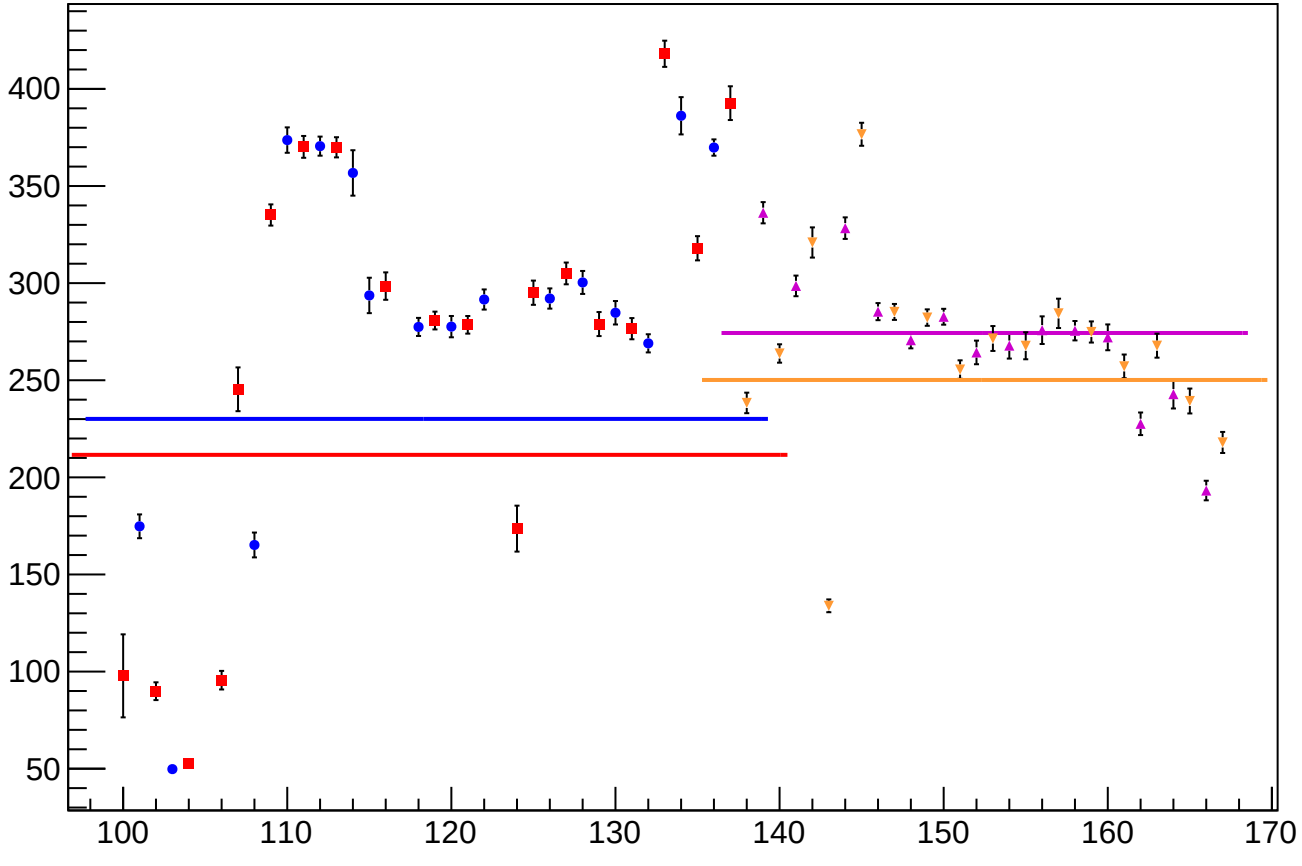
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 12.219+/-0.764 χ^2/NDF:308.0/29

Out: 12.644+/-0.697 χ^2/NDF:339.7/34

All: 12.451+/-0.515 χ^2/NDF: 647.9/64

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 250.143+/-1.308 χ^2/NDF:2032.9/15

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 274.332+/-1.431 χ^2/NDF:600.8/13

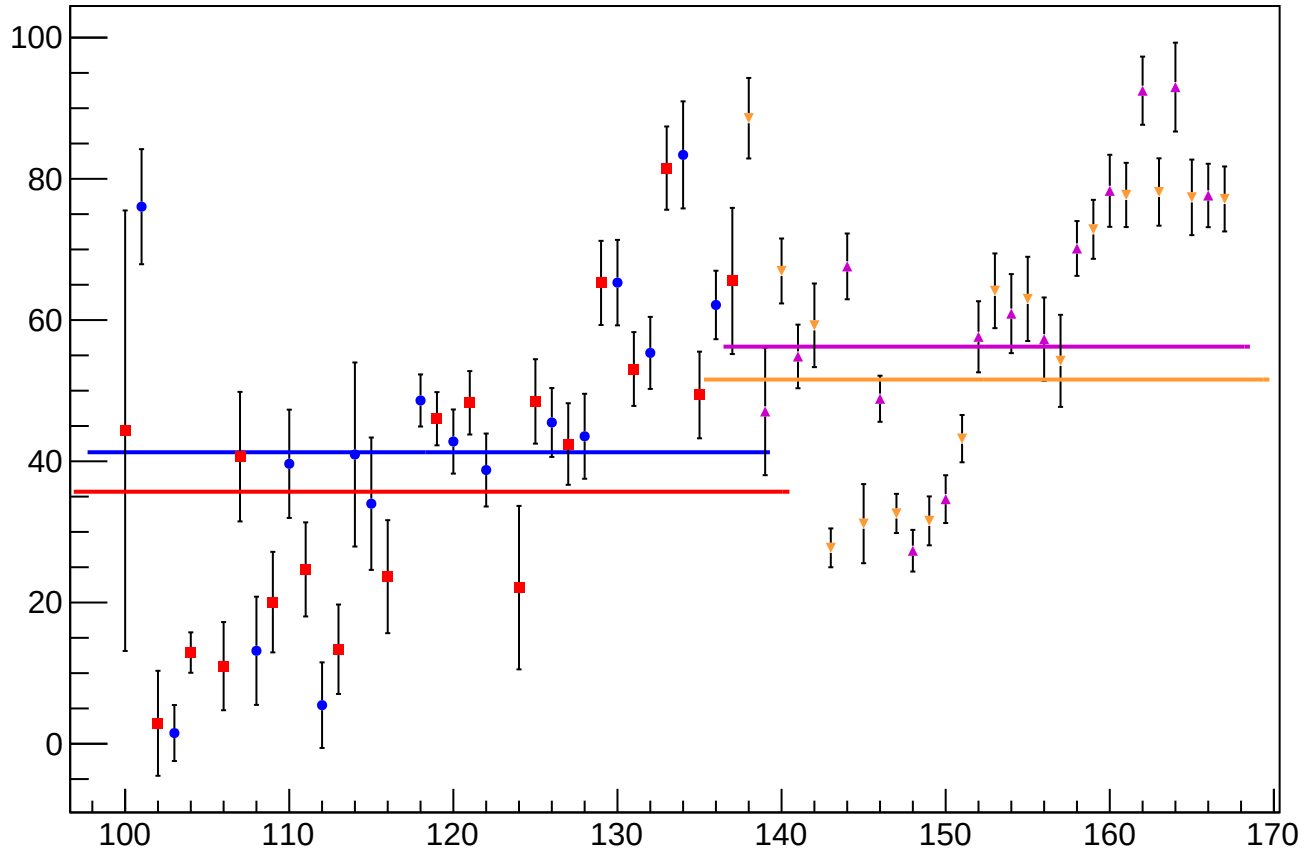
Left: 261.153+/-0.965 χ^2/NDF: 2789.5/29

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 249.411+/-0.945 χ^2/NDF:10515.0/29

Out: 229.137+/-0.882 χ^2/NDF:13978.6/34

All: 238.575+/-0.645 χ^2/NDF: 24739.5/64



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 51.575+/-1.059 χ^2/NDF:383.3/15

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 56.237+/-1.173 χ^2/NDF:294.4/13

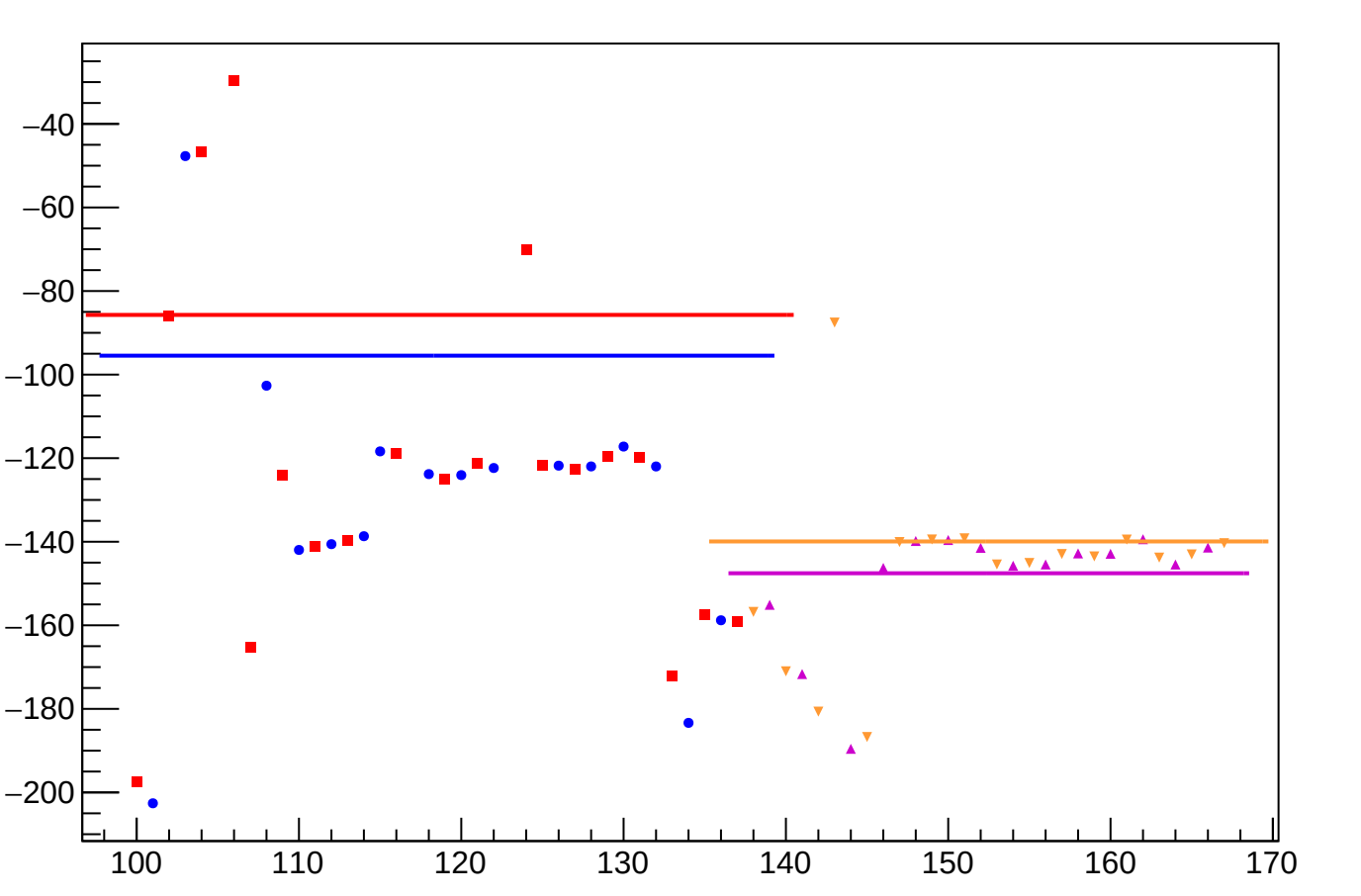
Left: 53.667+/-0.786 χ^2/NDF: 686.4/29

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 50.053+/-0.899 χ^2/NDF:607.3/29

Out: 45.340+/-0.825 χ^2/NDF:724.8/34

All: 47.496+/-0.608 χ^2/NDF: 1347.0/64



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.929+/-0.051 χ^2/NDF:231493.3/15

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -147.544+/-0.055 χ^2/NDF:51144.9/13

Left: -143.457+/-0.037 χ^2/NDF: 292939.2/29

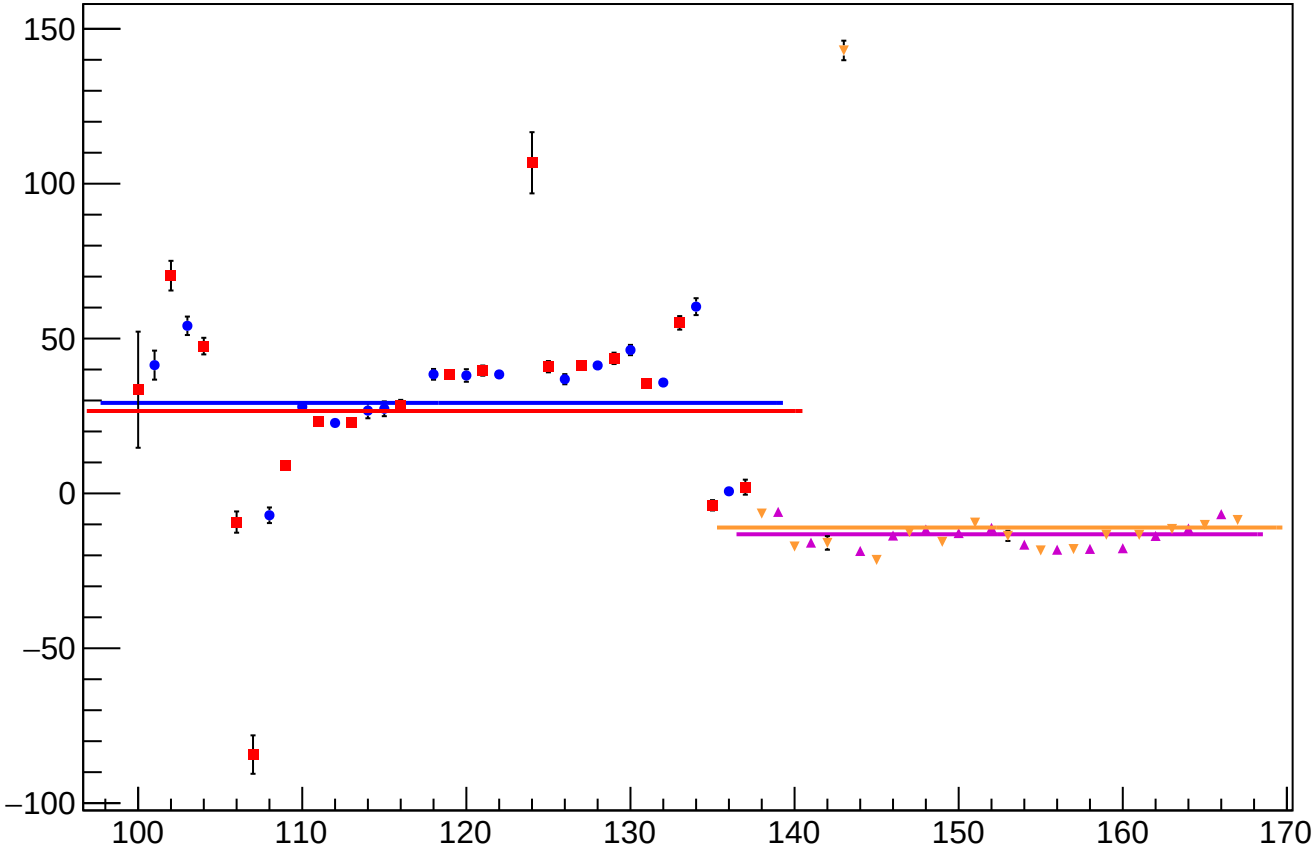
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -127.488+/-0.043 χ^2/NDF:916793.1/29

Out: -119.986+/-0.041 χ^2/NDF:1128584.8/34

All: -123.514+/-0.030 χ^2/NDF: 2061430.3/64

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.015+/-0.375 χ^2/NDF:2534.4/15

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.194+/-0.385 χ^2/NDF:111.0/13

Left: -12.076+/-0.269 χ^2/NDF: 2661.8/29

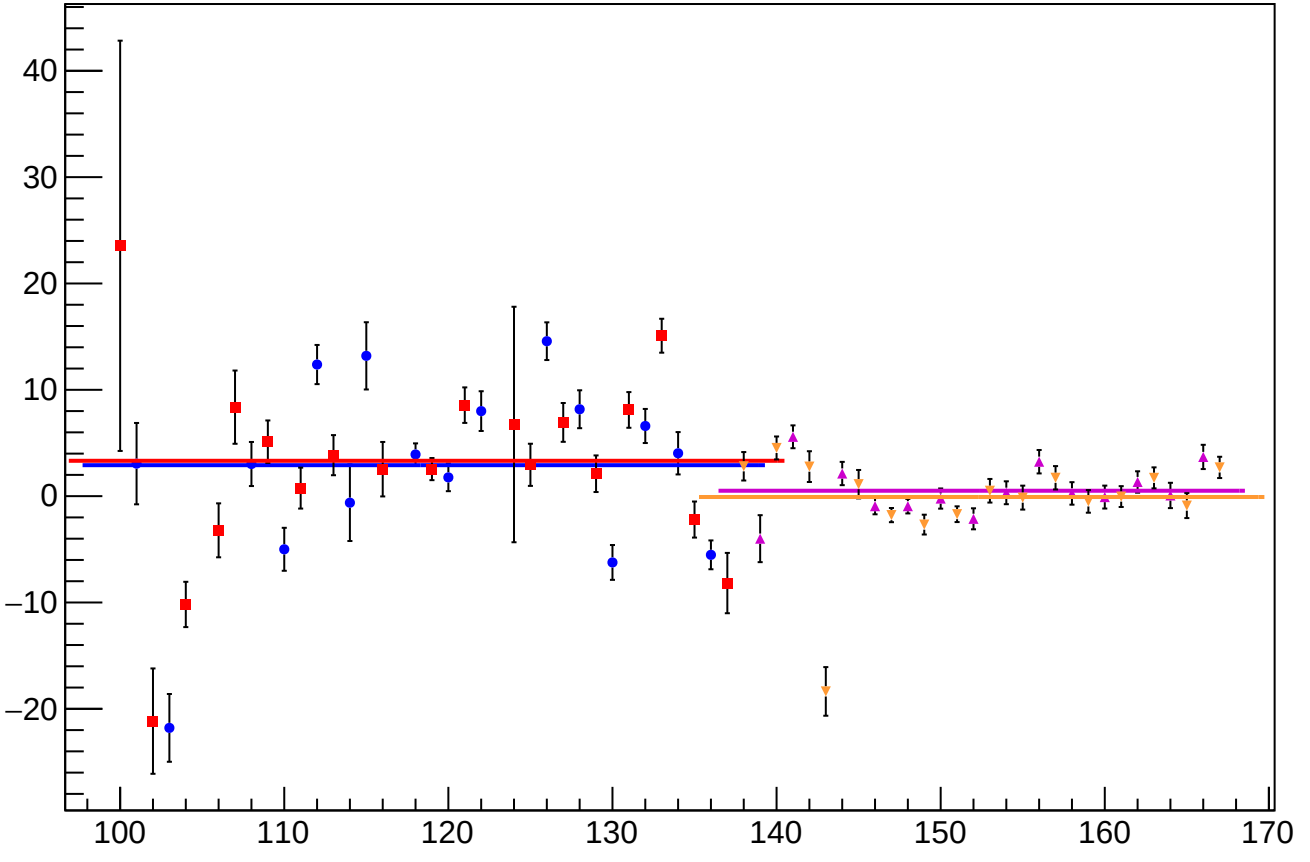
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.989+/-0.285 χ^2/NDF:6930.8/29

Out: 5.959+/-0.278 χ^2/NDF:8986.3/34

All: 5.974+/-0.199 χ^2/NDF: 15917.1/64

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.081+/-0.258 χ^2/NDF:125.3/15

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.509+/-0.269 χ^2/NDF:59.6/13

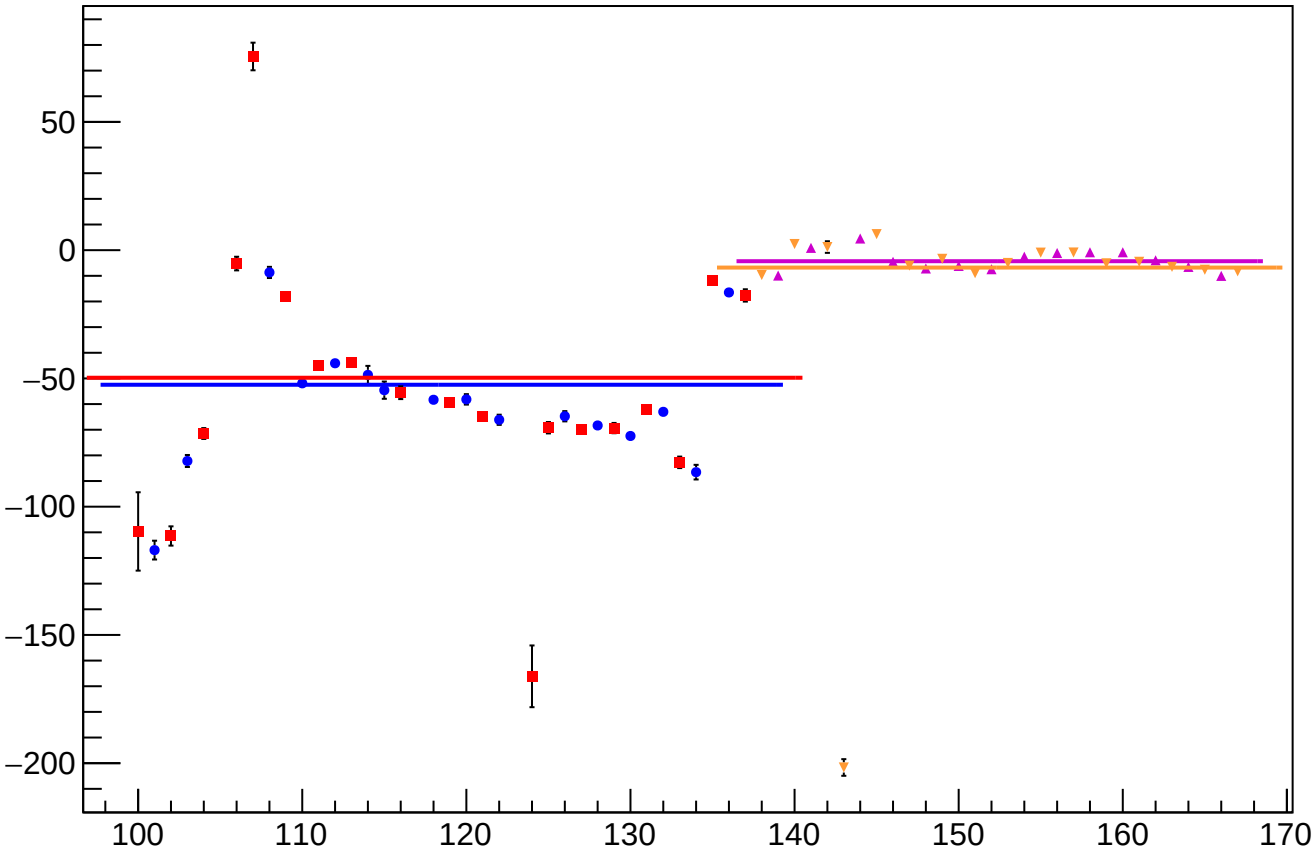
Left: 0.202+/-0.186 χ^2/NDF: 187.4/29

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.158+/-0.230 χ^2/NDF:331.1/29

Out: 0.754+/-0.224 χ^2/NDF:349.6/34

All: 0.951+/-0.161 χ^2/NDF: 682.3/64



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.784+/-0.365 χ^2/NDF:3789.6/15

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.302+/-0.373 χ^2/NDF:113.7/13

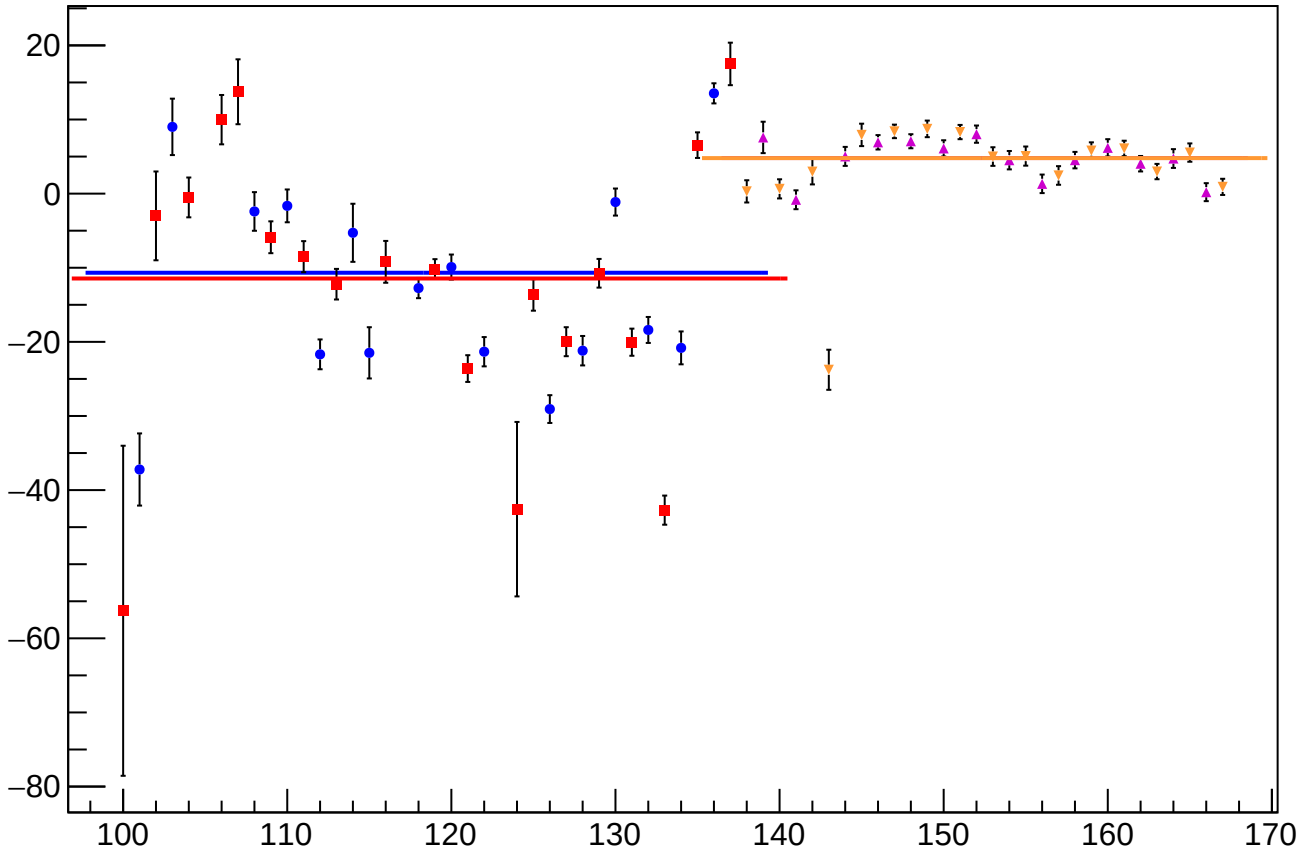
Left: -5.569+/-0.261 χ^2/NDF: 3925.9/29

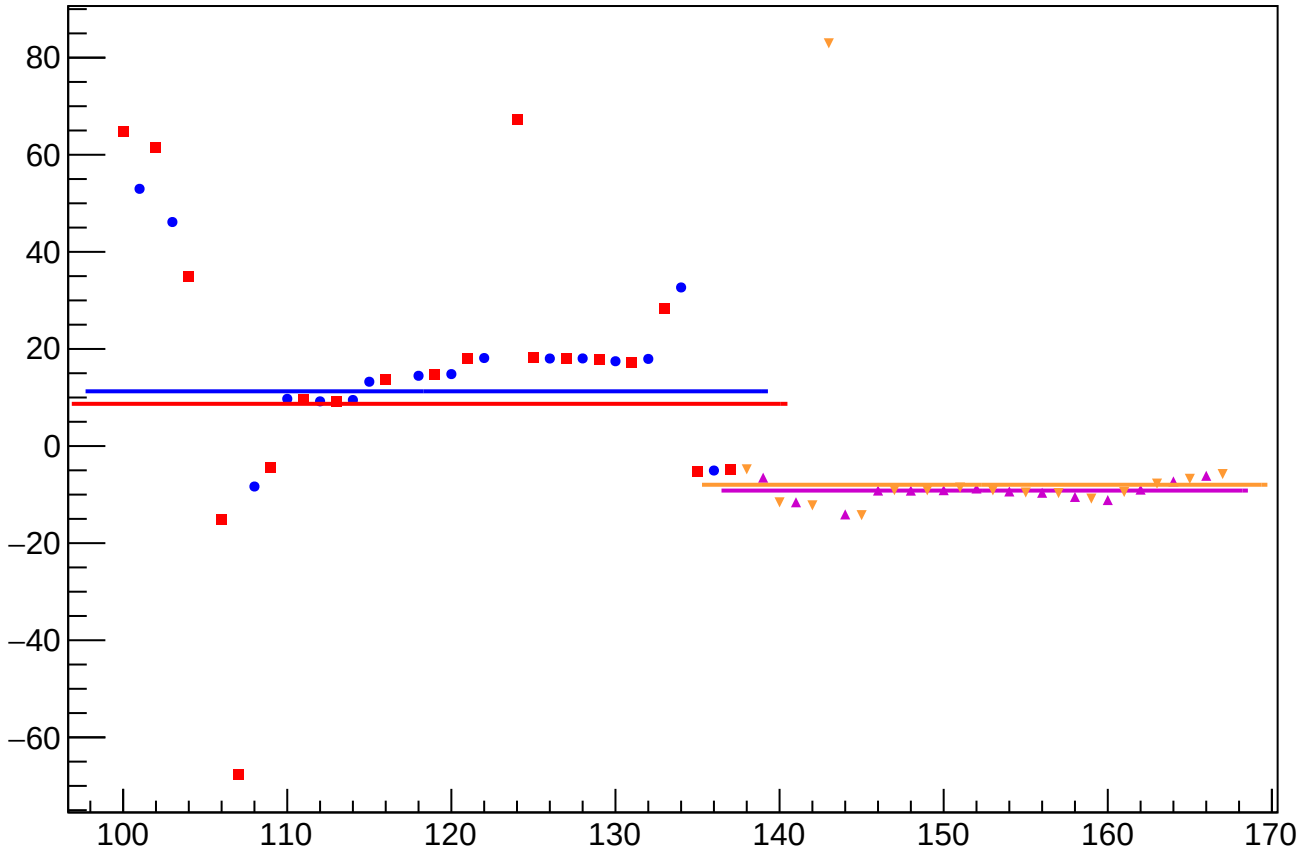
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -22.088+/-0.296 χ^2/NDF:8593.5/29

Out: -21.963+/-0.294 χ^2/NDF:11686.2/34

All: -22.025+/-0.209 χ^2/NDF: 20279.8/64


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 4.793+/-0.301 χ²/NDF:199.5/15
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 4.802+/-0.312 χ²/NDF:65.0/13
Left: 4.797+/-0.217 χ²/NDF: 264.6/29
Right: -11.054+/-0.361 χ²/NDF: 1333.3/34
In: 0.522+/-0.266 χ²/NDF:1409.8/29
Out: 0.675+/-0.260 χ²/NDF:1604.7/34
All: 0.600+/-0.186 χ²/NDF: 3014.7/64



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.971+/-0.014 χ^2/NDF:483436.6/15

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.171+/-0.014 χ^2/NDF:16594.2/13

Left: -8.557+/-0.010 χ^2/NDF: 503771.8/29

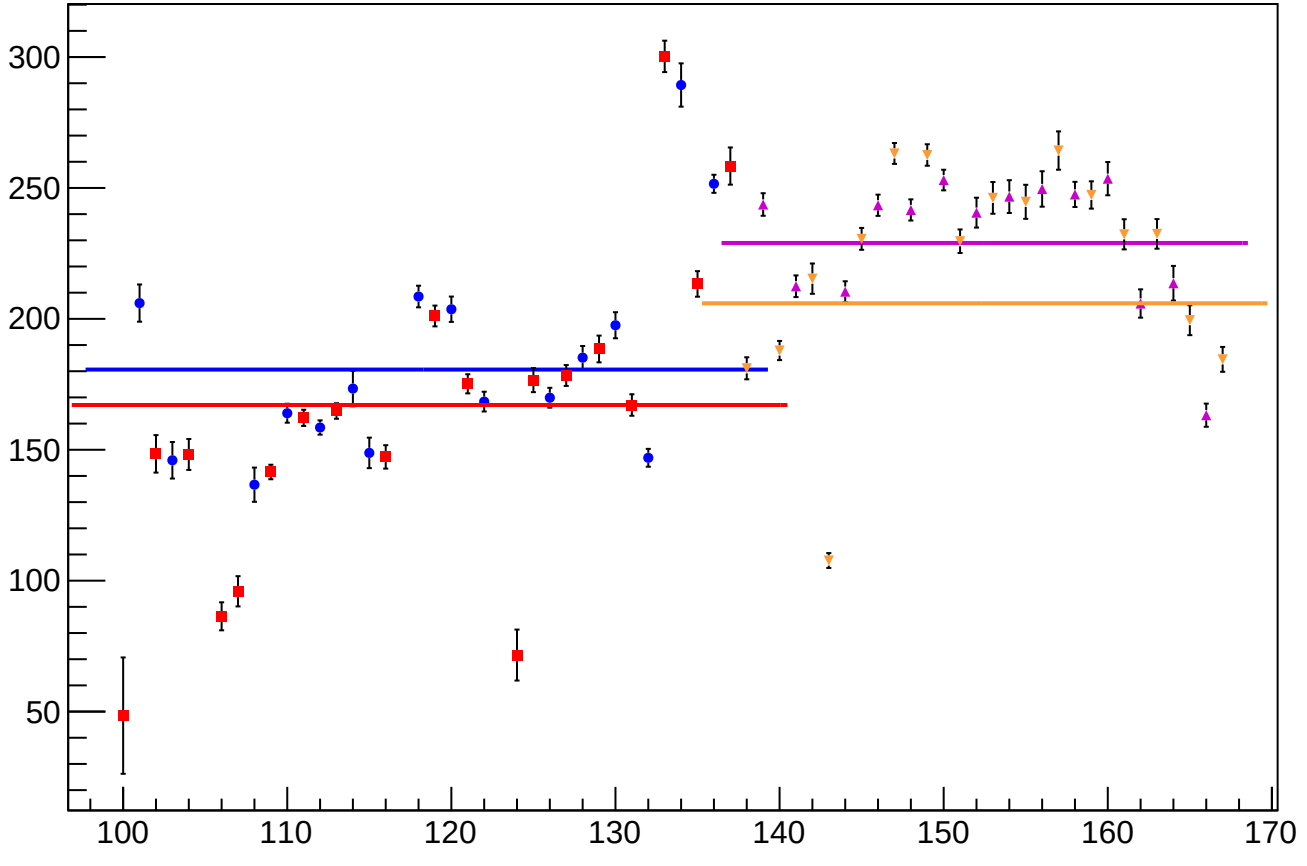
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.484+/-0.013 χ^2/NDF:748724.5/29

Out: -5.306+/-0.013 χ^2/NDF:1156034.7/34

All: -5.394+/-0.009 χ^2/NDF: 1904858.0/64

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.953+/-1.150 χ^2/NDF:1986.3/15

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.990+/-1.273 χ^2/NDF:405.5/13

Left: 216.302+/-0.853 χ^2/NDF: 2572.1/29

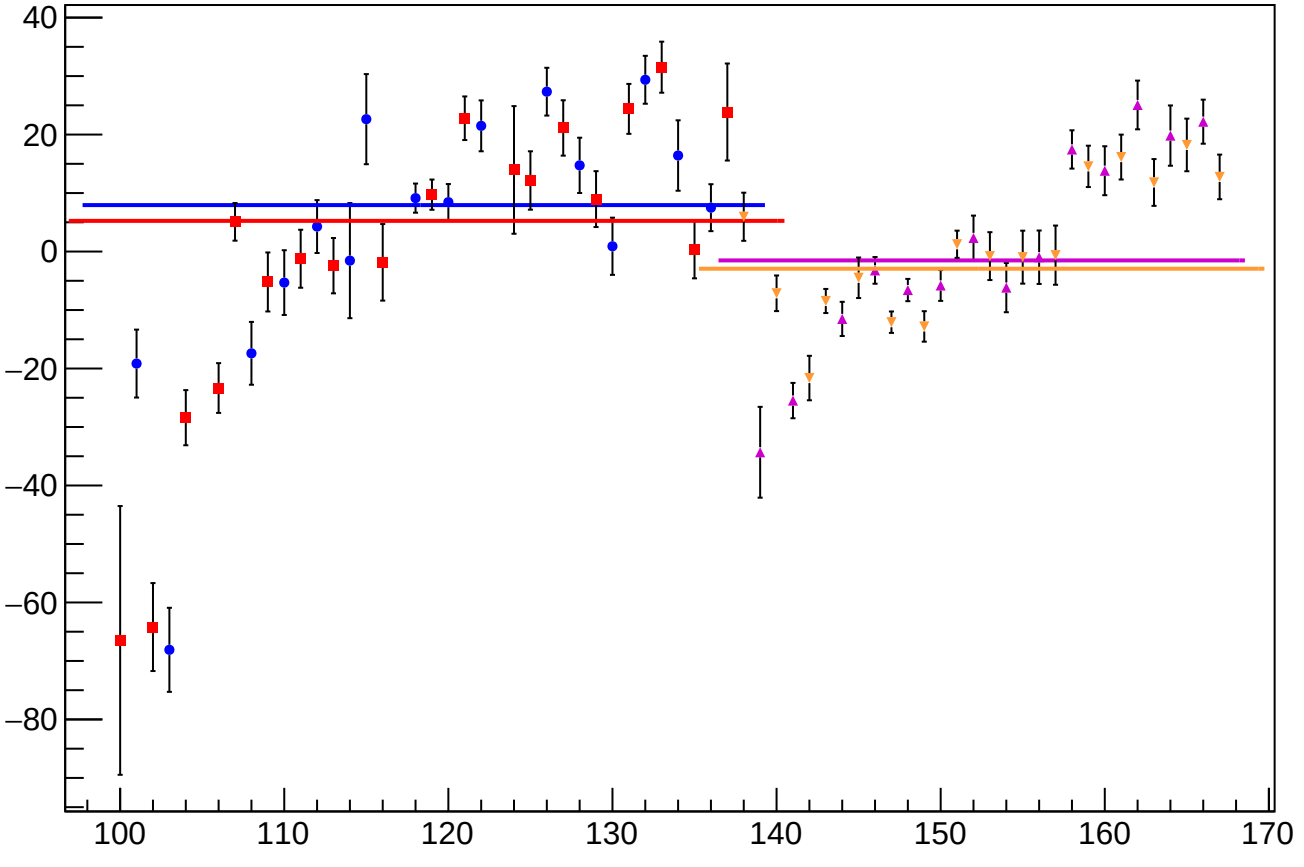
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.075+/-0.828 χ^2/NDF:2231.4/29

Out: 184.224+/-0.763 χ^2/NDF:4109.2/34

All: 191.968+/-0.561 χ^2/NDF: 6564.5/64

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.933+/-0.776 χ^2/NDF:183.2/15

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.517+/-0.863 χ^2/NDF:249.5/13

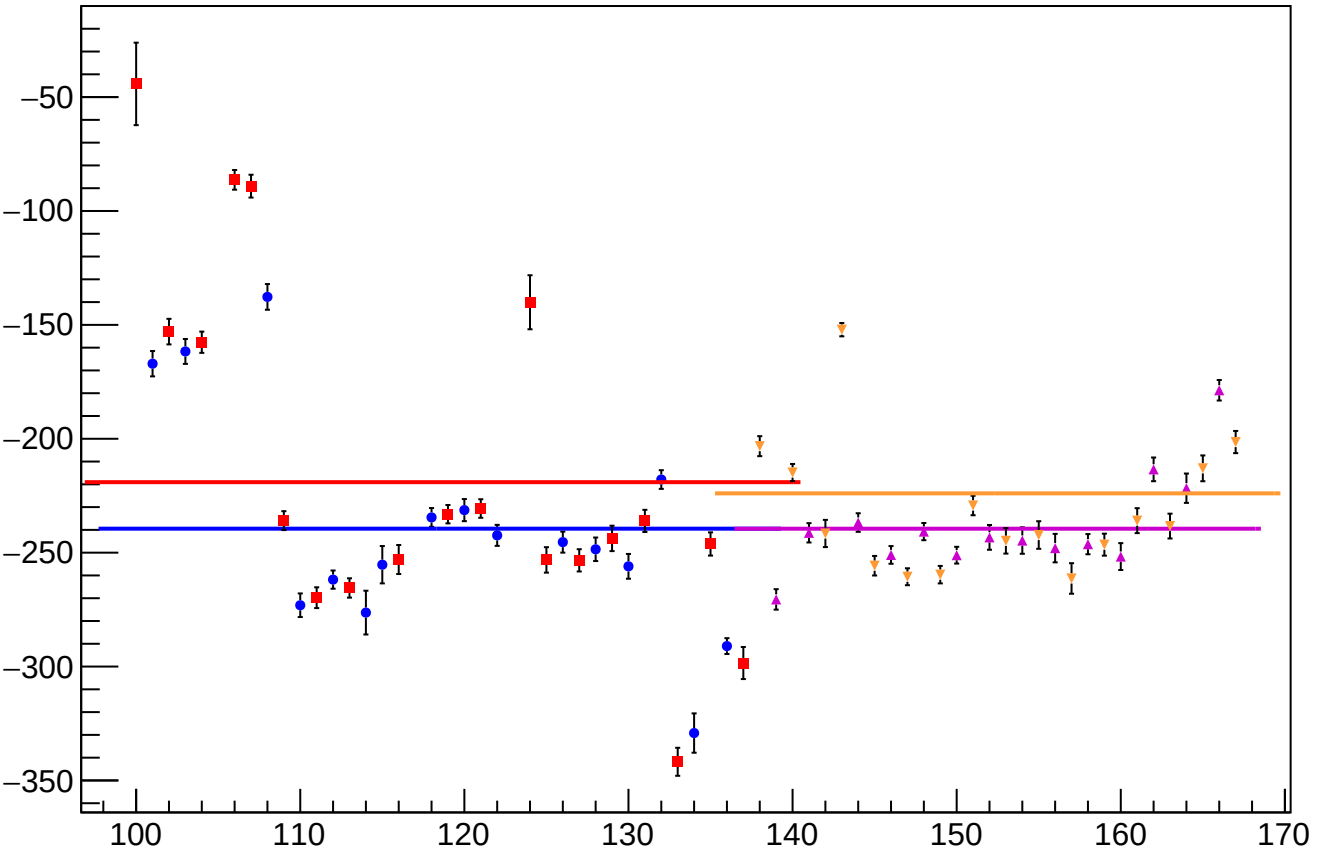
Left: -2.300+/-0.577 χ^2/NDF: 434.2/29

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.031+/-0.682 χ^2/NDF:527.5/29

Out: -0.088+/-0.627 χ^2/NDF:524.7/34

All: 0.882+/-0.461 χ^2/NDF: 1057.5/64



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.966+/-1.131 χ^2/NDF:993.8/15

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.487+/-1.236 χ^2/NDF:291.5/13

Left: -231.040+/-0.835 χ^2/NDF: 1371.1/29

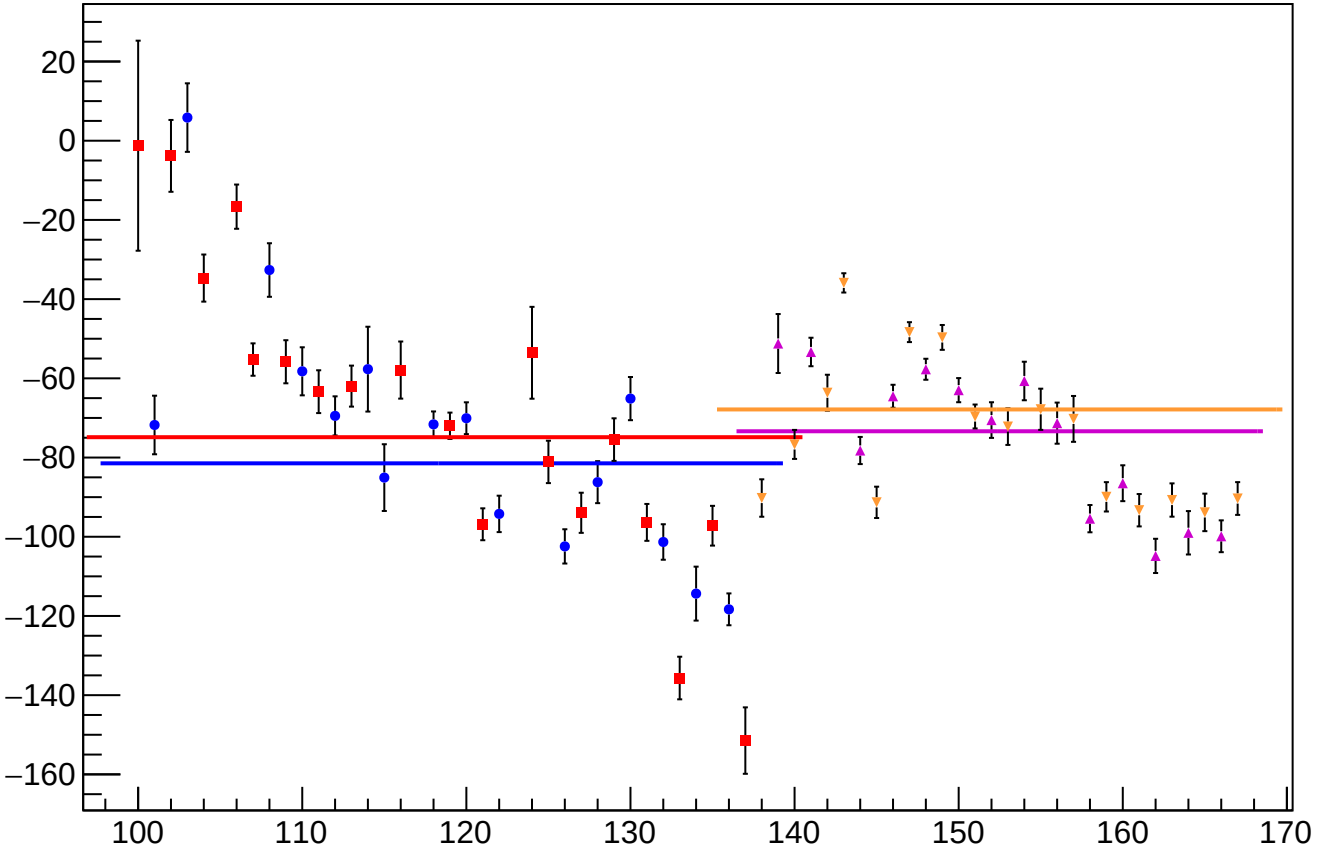
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.478+/-0.877 χ^2/NDF:1453.8/29

Out: -221.605+/-0.815 χ^2/NDF:4052.2/34

All: -229.888+/-0.597 χ^2/NDF: 5728.6/64

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -67.855+/-0.922 χ^2/NDF:495.0/15

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.365+/-1.021 χ^2/NDF:272.9/13

Left: -70.332+/-0.684 χ^2/NDF: 783.9/29

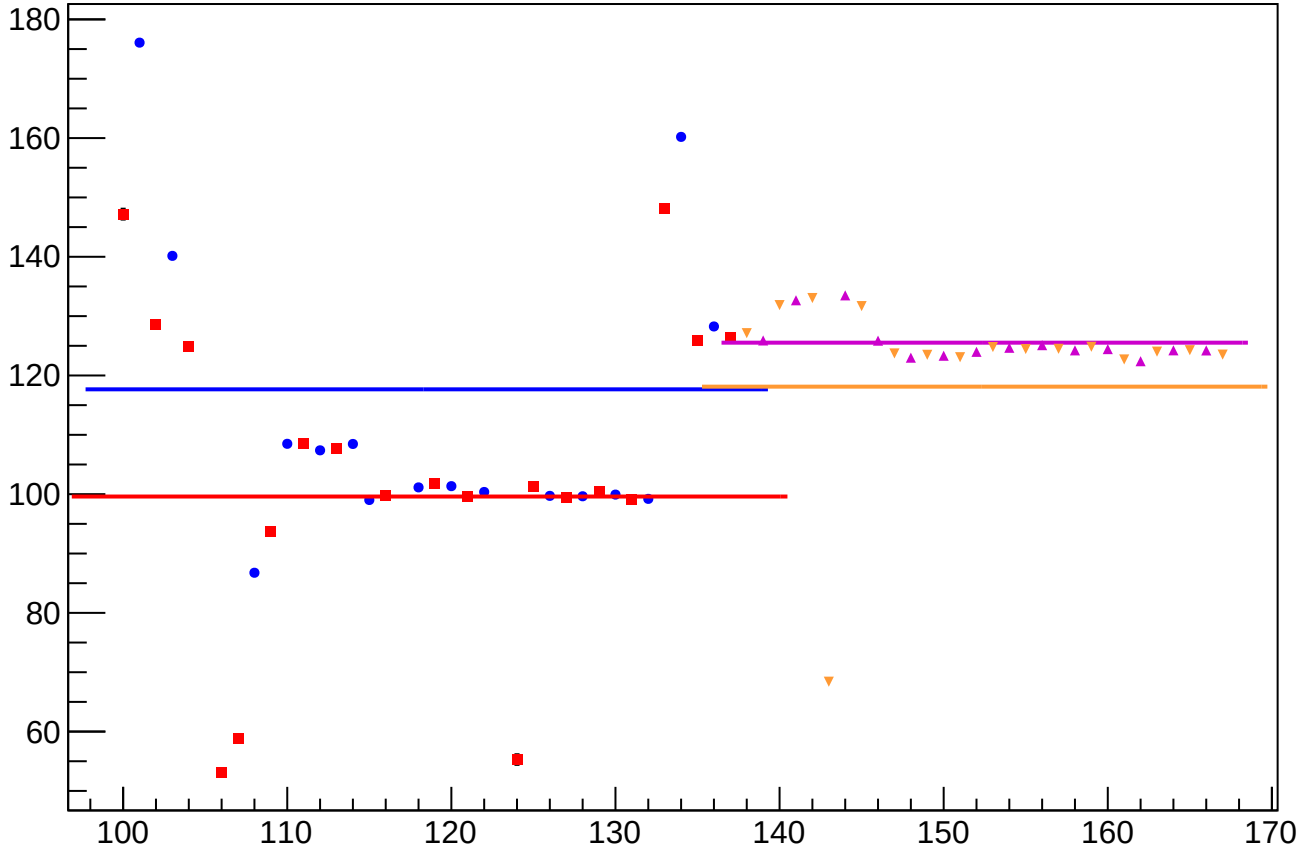
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.492+/-0.800 χ^2/NDF:663.7/29

Out: -70.377+/-0.738 χ^2/NDF:1092.4/34

All: -73.189+/-0.542 χ^2/NDF: 1787.6/64

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.118+/-0.044 χ^2/NDF:197406.9/15

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.527+/-0.048 χ^2/NDF:4621.7/13

Left: 121.551+/-0.032 χ^2/NDF: 215000.8/29

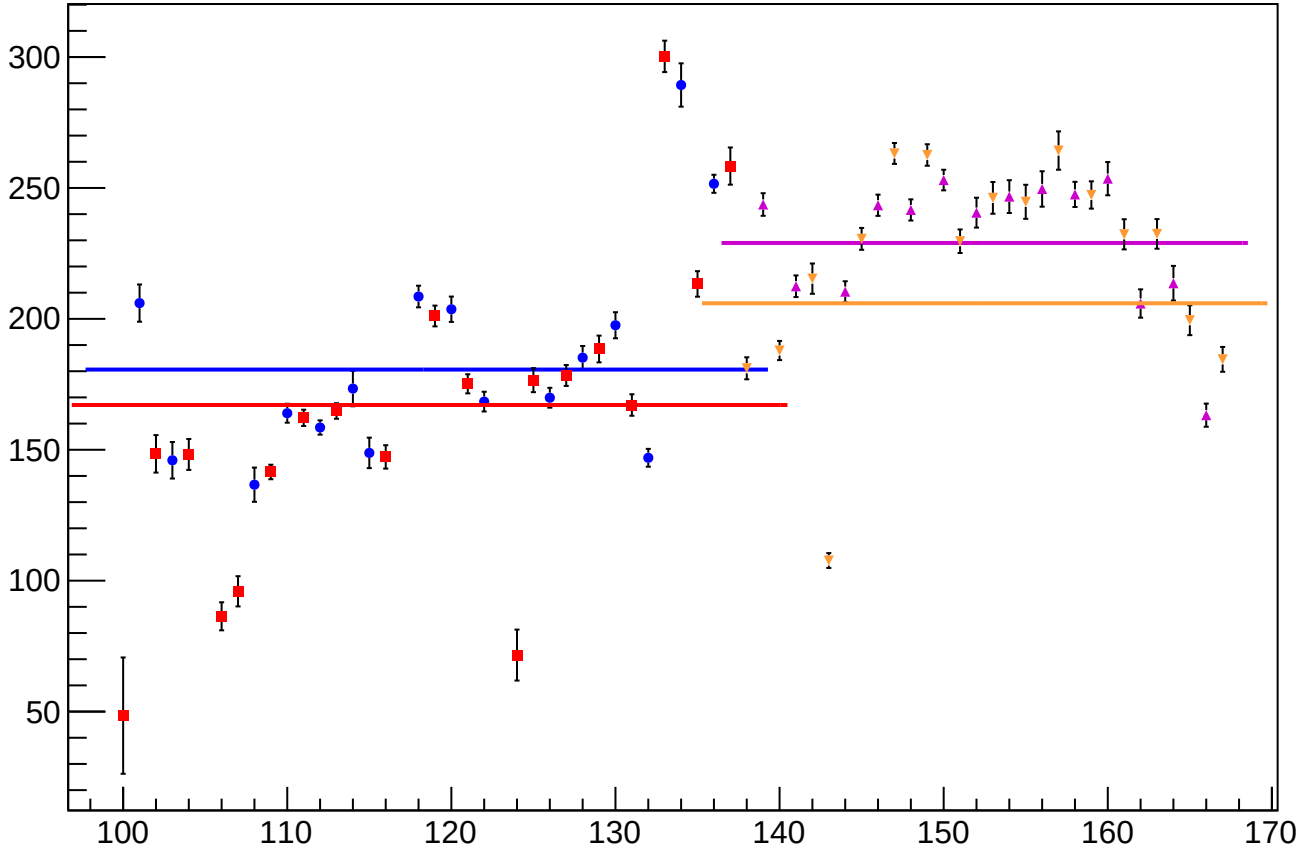
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.401+/-0.041 χ^2/NDF:107380.8/29

Out: 112.860+/-0.037 χ^2/NDF:413297.4/34

All: 117.695+/-0.028 χ^2/NDF: 556981.8/64

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.953+/-1.150 χ^2/NDF:1986.3/15

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.990+/-1.273 χ^2/NDF:405.5/13

Left: 216.302+/-0.853 χ^2/NDF: 2572.1/29

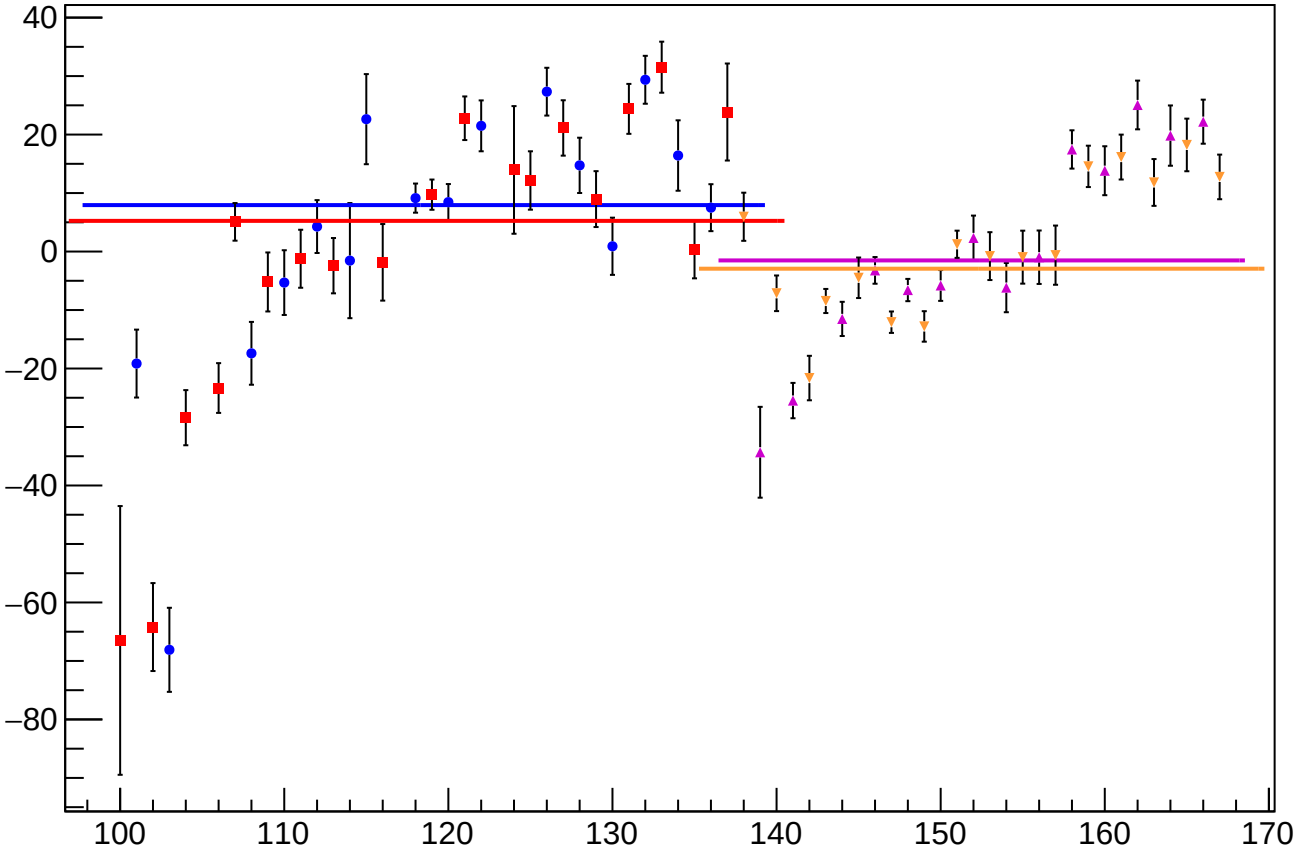
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.075+/-0.828 χ^2/NDF:2231.4/29

Out: 184.224+/-0.763 χ^2/NDF:4109.2/34

All: 191.968+/-0.561 χ^2/NDF: 6564.5/64

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.933+/-0.776 χ^2/NDF:183.2/15

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.517+/-0.863 χ^2/NDF:249.5/13

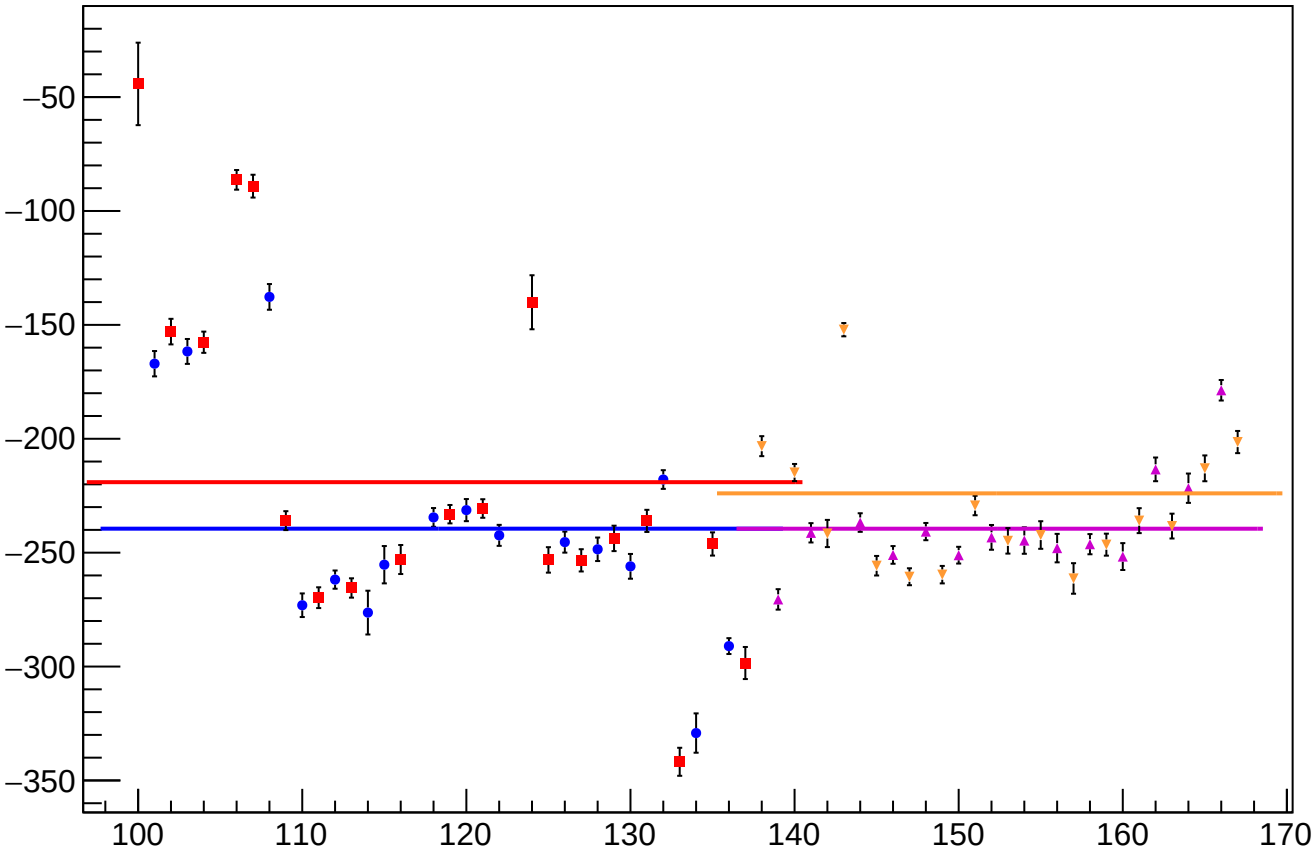
Left: -2.300+/-0.577 χ^2/NDF: 434.2/29

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.031+/-0.682 χ^2/NDF:527.5/29

Out: -0.088+/-0.627 χ^2/NDF:524.7/34

All: 0.882+/-0.461 χ^2/NDF: 1057.5/64



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.966+/-1.131 χ^2/NDF:993.8/15

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.487+/-1.236 χ^2/NDF:291.5/13

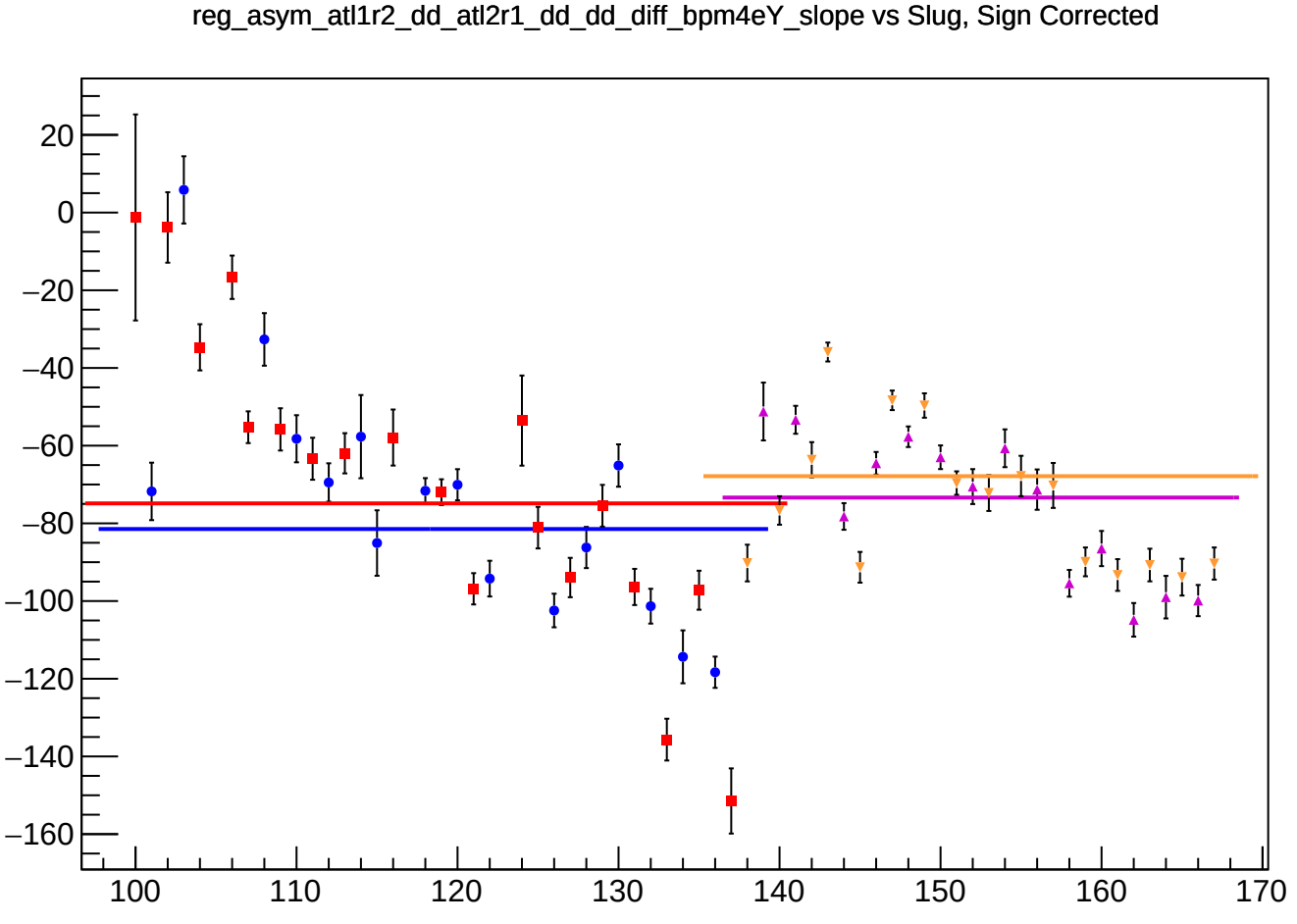
Left: -231.040+/-0.835 χ^2/NDF: 1371.1/29

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.478+/-0.877 χ^2/NDF:1453.8/29

Out: -221.605+/-0.815 χ^2/NDF:4052.2/34

All: -229.888+/-0.597 χ^2/NDF: 5728.6/64



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Left Out: -67.855+/-0.922 χ^2/NDF:495.0/15

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.365+/-1.021 χ^2/NDF:272.9/13

Left: -70.332+/-0.684 χ^2/NDF: 783.9/29

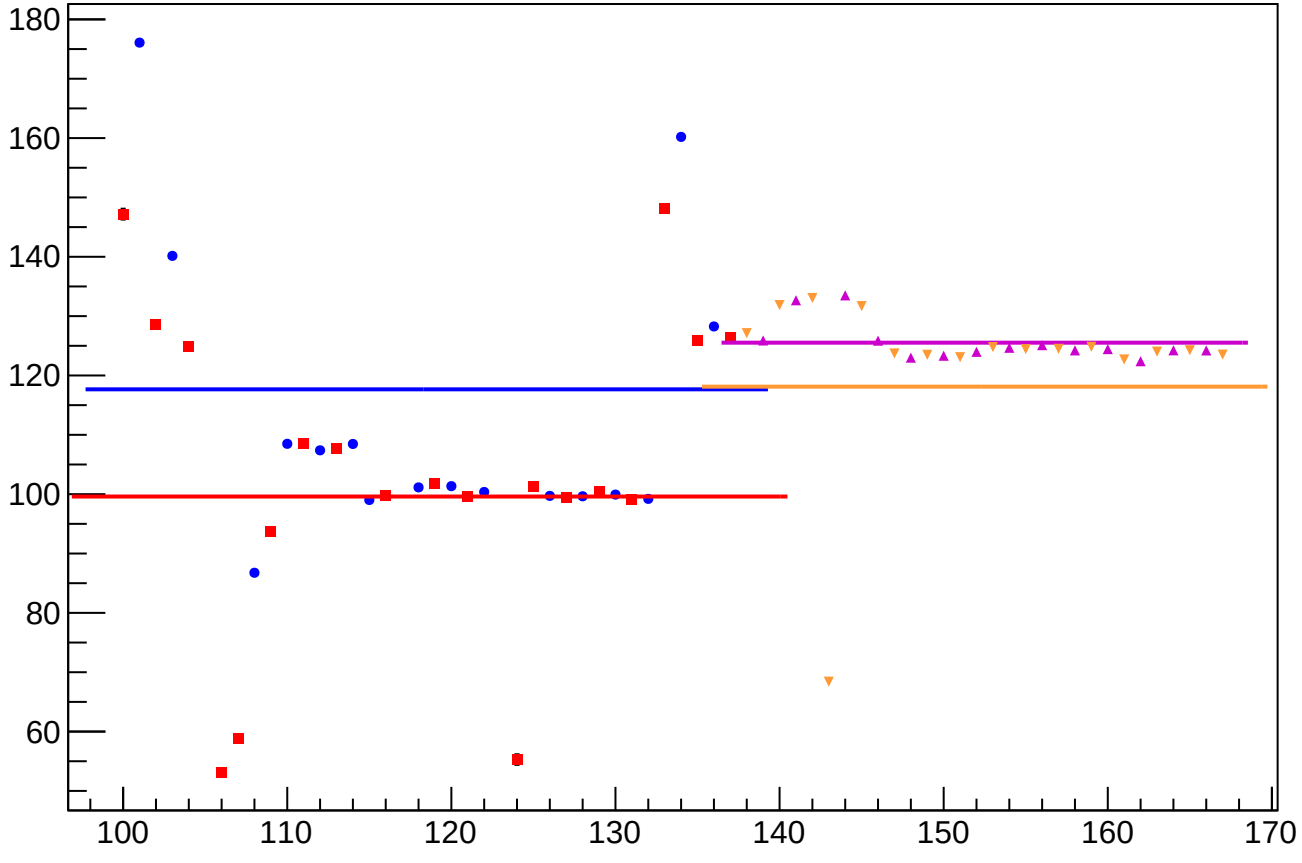
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.492+/-0.800 χ^2/NDF:663.7/29

Out: -70.377+/-0.738 χ^2/NDF:1092.4/34

All: -73.189+/-0.542 χ^2/NDF: 1787.6/64

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.118+/-0.044 χ^2/NDF:197406.9/15

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.527+/-0.048 χ^2/NDF:4621.7/13

Left: 121.551+/-0.032 χ^2/NDF: 215000.8/29

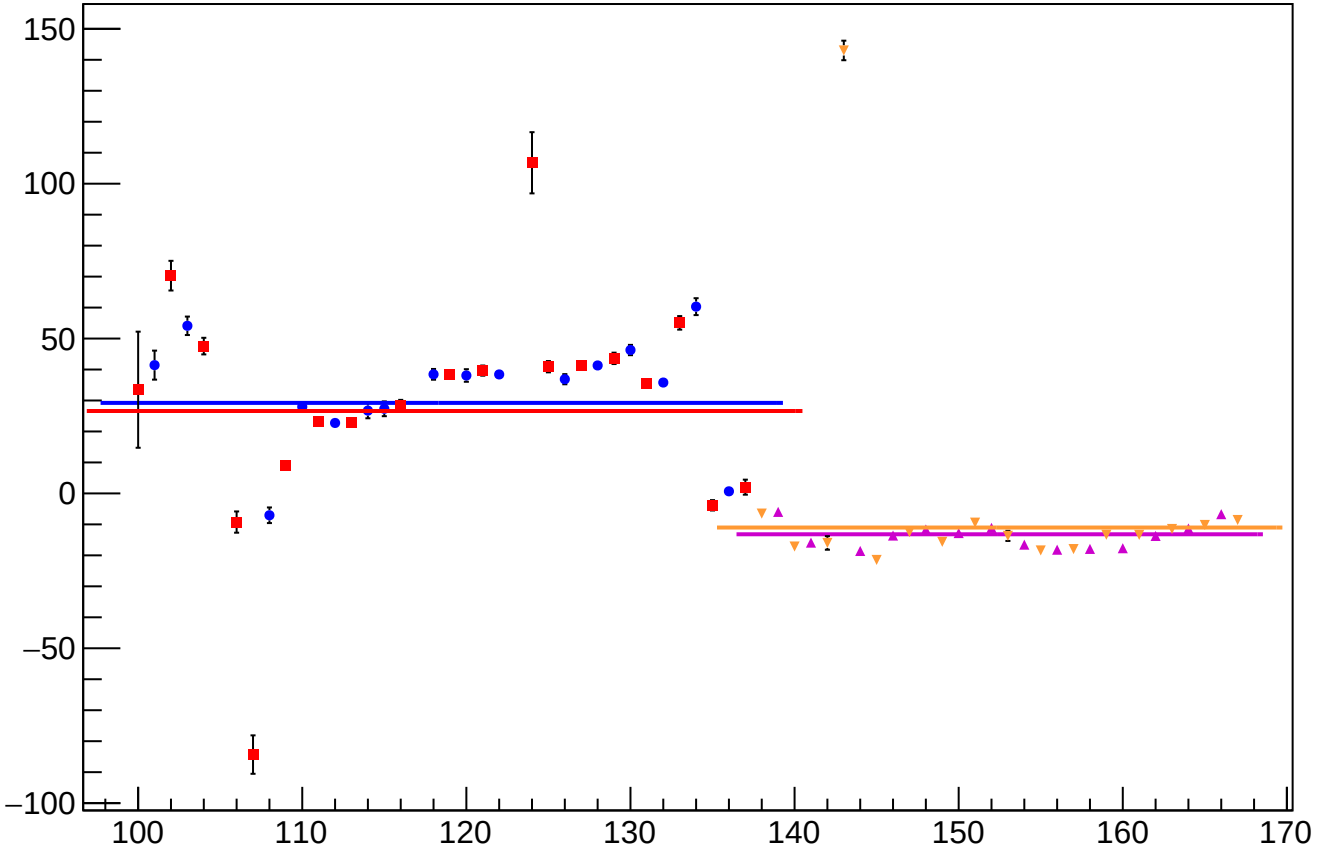
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.401+/-0.041 χ^2/NDF:107380.8/29

Out: 112.860+/-0.037 χ^2/NDF:413297.4/34

All: 117.695+/-0.028 χ^2/NDF: 556981.8/64

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.015+/-0.375 χ^2/NDF:2534.4/15

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.194+/-0.385 χ^2/NDF:111.0/13

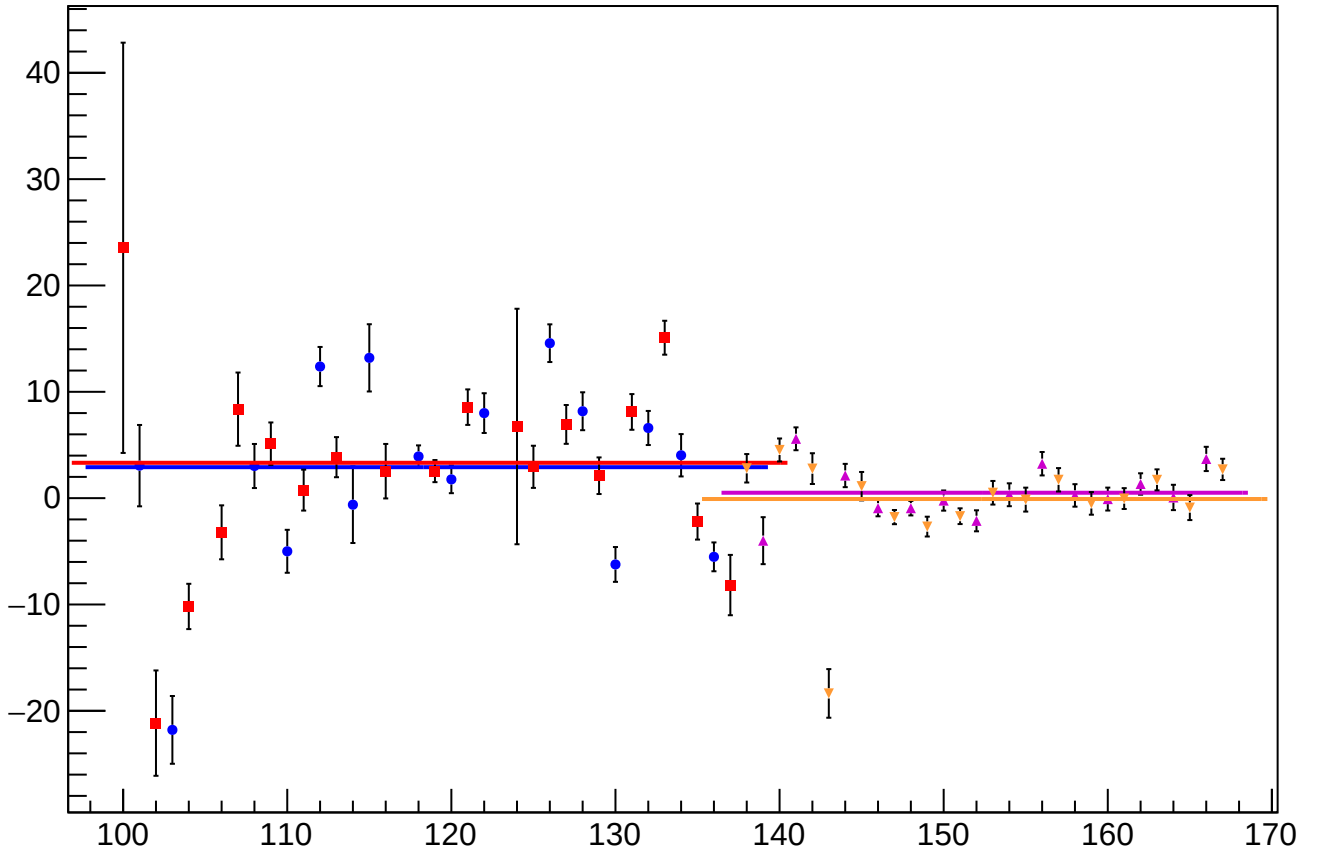
Left: -12.076+/-0.269 χ^2/NDF: 2661.8/29

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.989+/-0.285 χ^2/NDF:6930.8/29

Out: 5.959+/-0.278 χ^2/NDF:8986.3/34

All: 5.974+/-0.199 χ^2/NDF: 15917.1/64



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.081+/-0.258 χ^2/NDF:125.3/15

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.509+/-0.269 χ^2/NDF:59.6/13

Left: 0.202+/-0.186 χ^2/NDF: 187.4/29

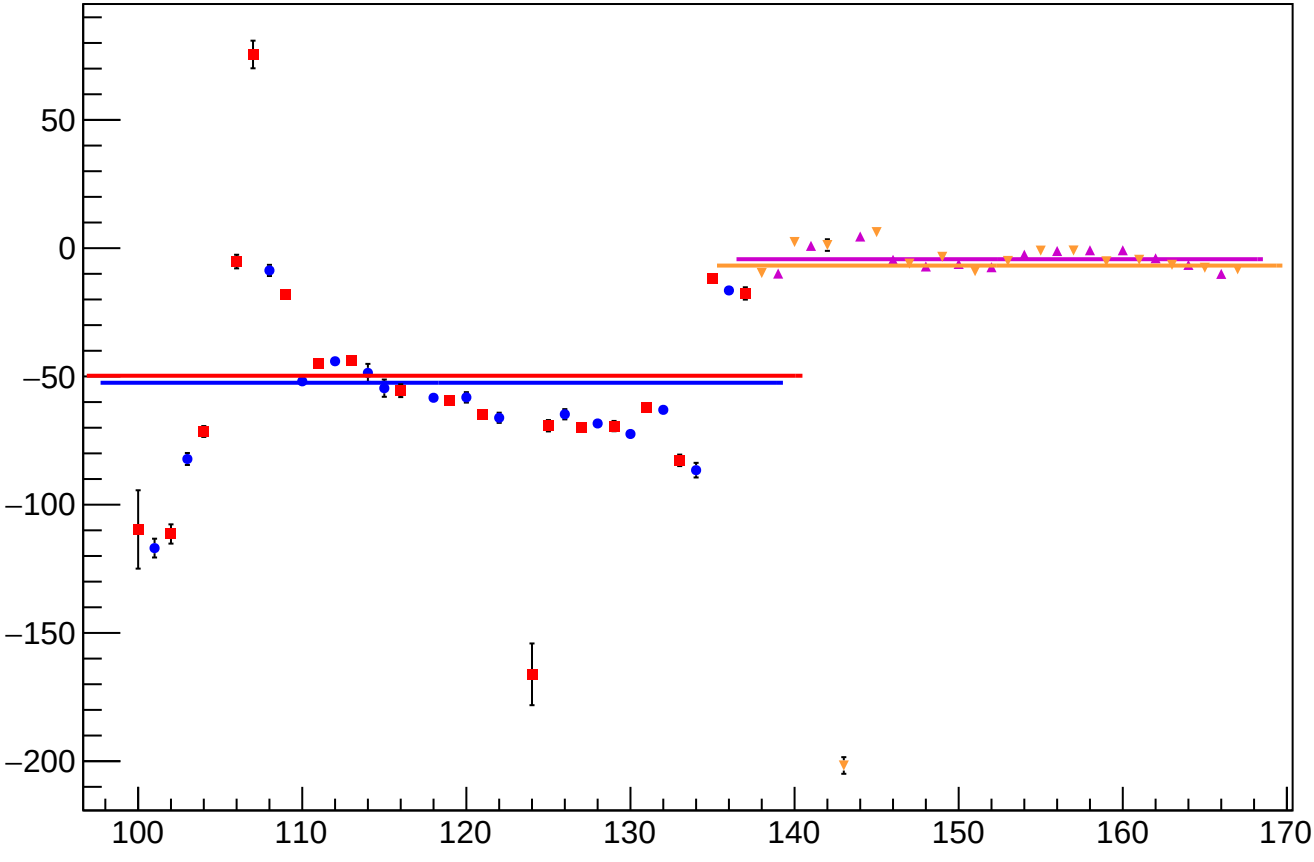
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.158+/-0.230 χ^2/NDF:331.1/29

Out: 0.754+/-0.224 χ^2/NDF:349.6/34

All: 0.951+/-0.161 χ^2/NDF: 682.3/64

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.784+/-0.365 χ^2/NDF:3789.6/15

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.302+/-0.373 χ^2/NDF:113.7/13

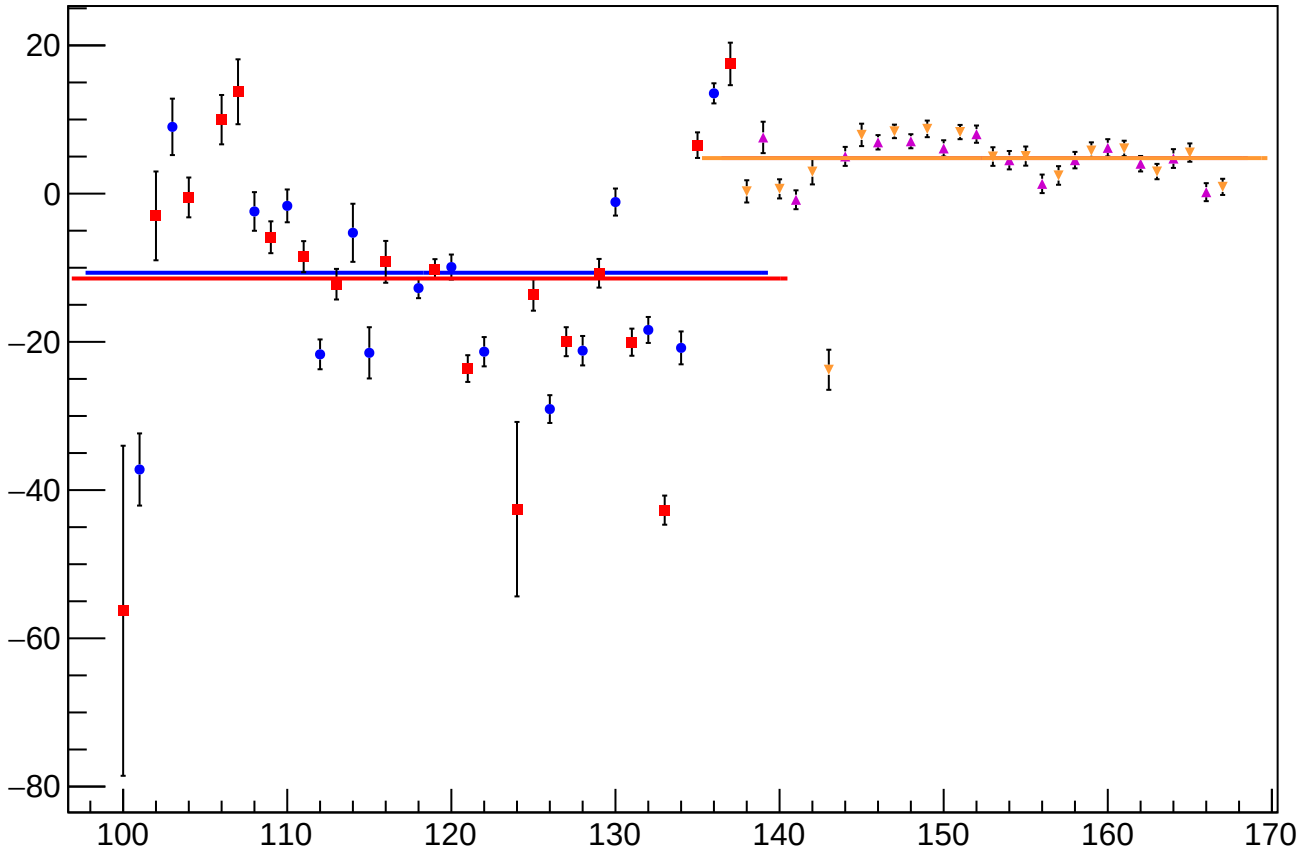
Left: -5.569+/-0.261 χ^2/NDF: 3925.9/29

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -22.088+/-0.296 χ^2/NDF:8593.5/29

Out: -21.963+/-0.294 χ^2/NDF:11686.2/34

All: -22.025+/-0.209 χ^2/NDF: 20279.8/64



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.793+/-0.301 χ^2/NDF:199.5/15

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.802+/-0.312 χ^2/NDF:65.0/13

Left: 4.797+/-0.217 χ^2/NDF: 264.6/29

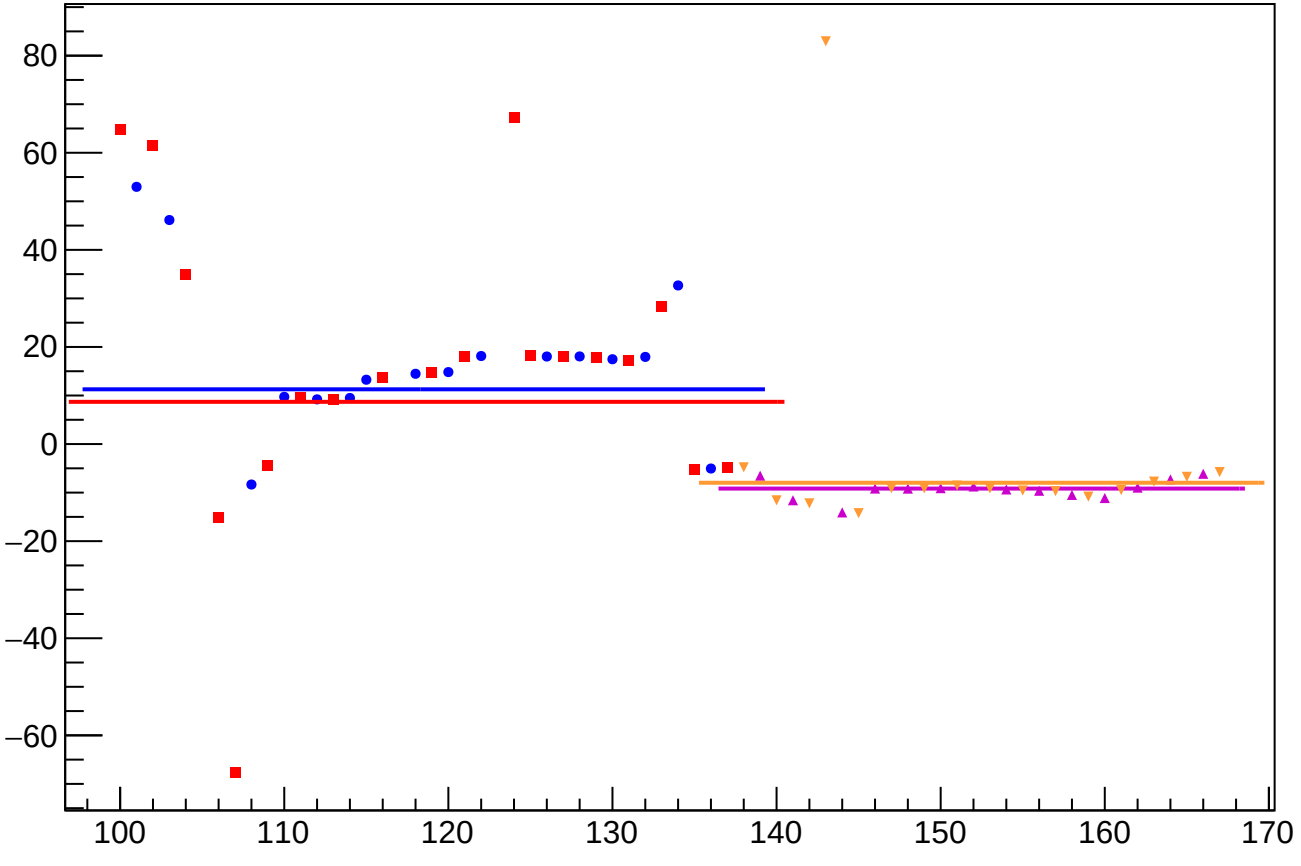
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.522+/-0.266 χ^2/NDF:1409.8/29

Out: 0.675+/-0.260 χ^2/NDF:1604.7/34

All: 0.600+/-0.186 χ^2/NDF: 3014.7/64

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.971+/-0.014 χ^2/NDF:483436.6/15

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.171+/-0.014 χ^2/NDF:16594.2/13

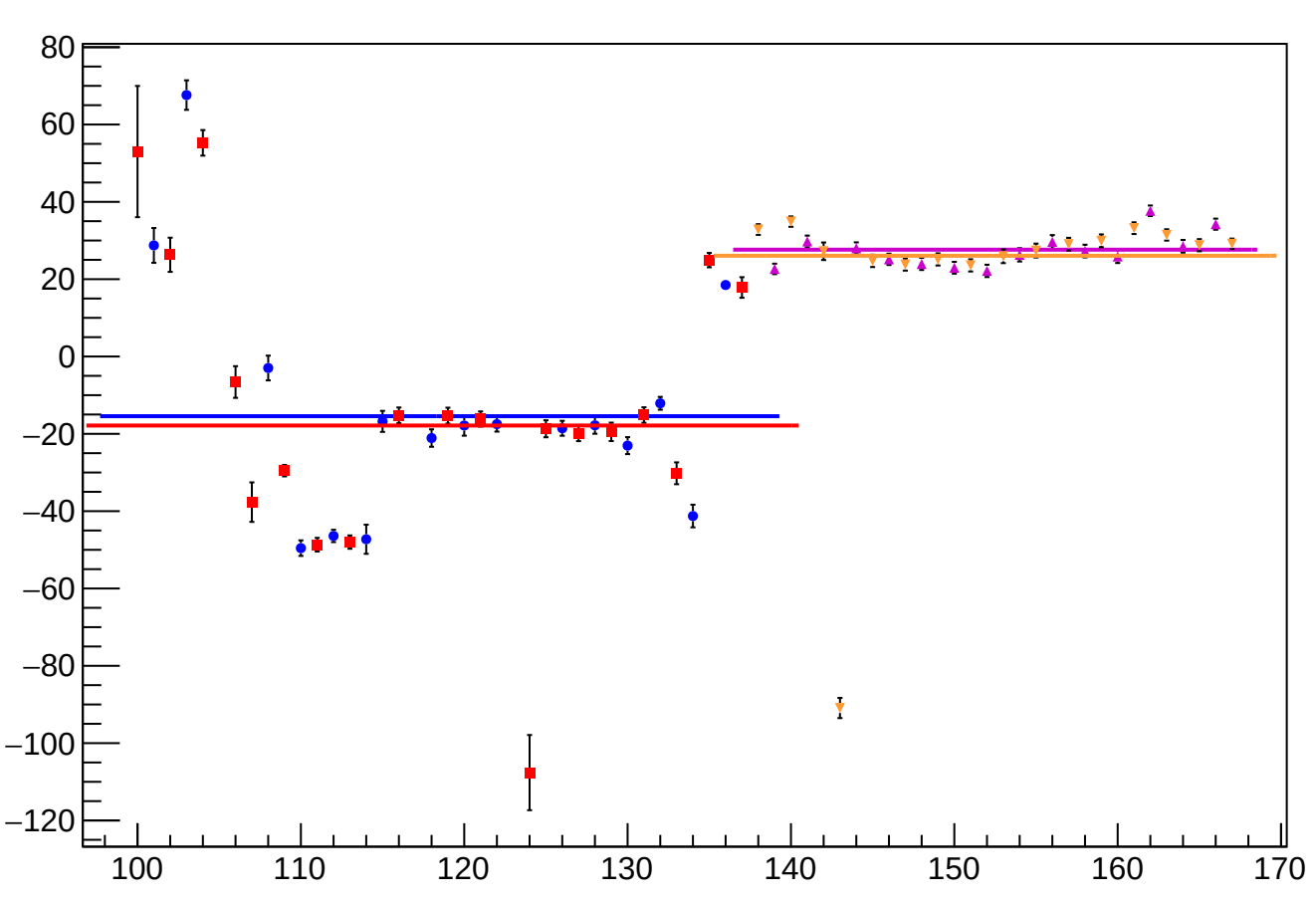
Left: -8.557+/-0.010 χ^2/NDF: 503771.8/29

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.484+/-0.013 χ^2/NDF:748724.5/29

Out: -5.306+/-0.013 χ^2/NDF:1156034.7/34

All: -5.394+/-0.009 χ^2/NDF: 1904858.0/64



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 26.061+/-0.401 χ^2/NDF:2131.1/15

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.629+/-0.413 χ^2/NDF:124.1/13

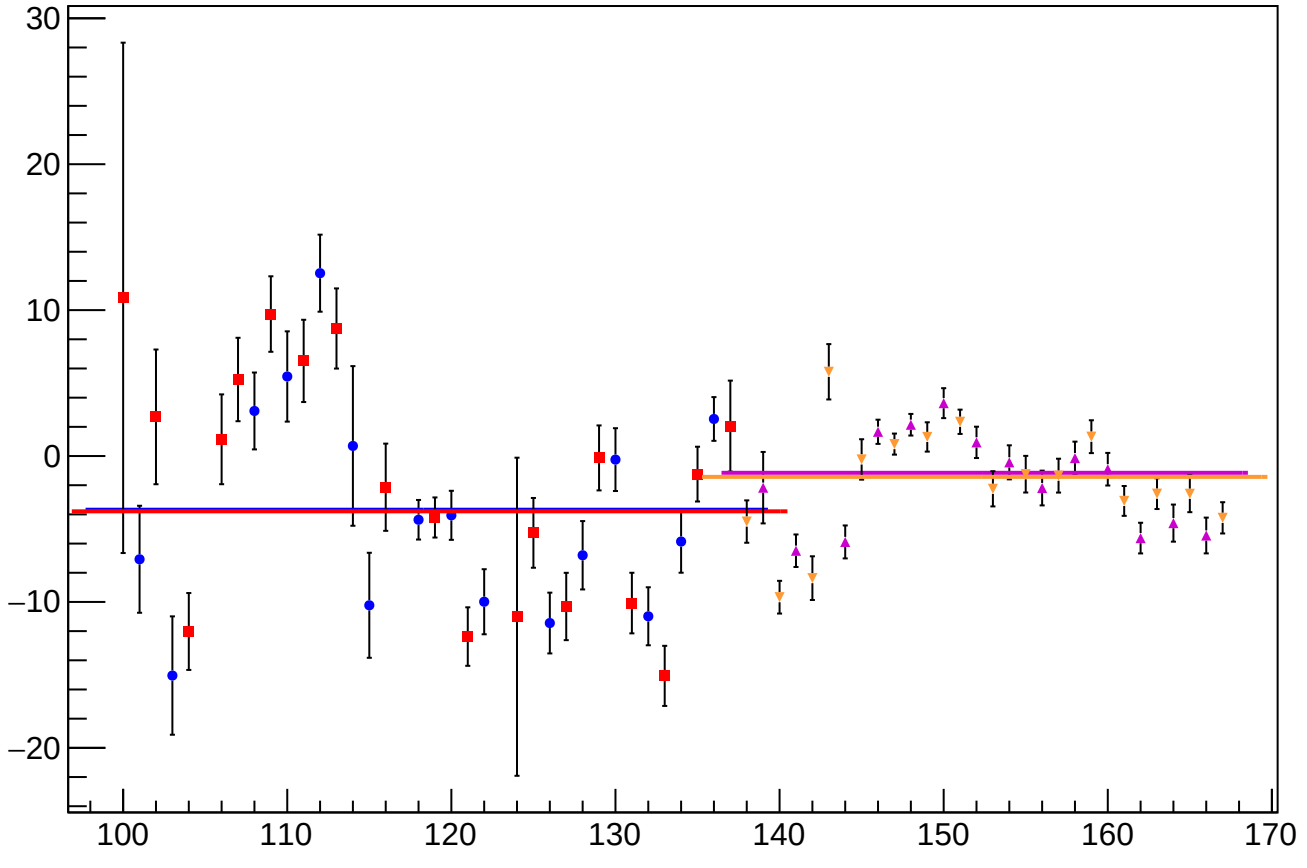
Left: 26.822+/-0.287 χ^2/NDF: 2262.6/29

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 11.720+/-0.328 χ^2/NDF:6273.5/29

Out: 10.085+/-0.319 χ^2/NDF:8628.8/34

All: 10.882+/-0.229 χ^2/NDF: 14915.0/64



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.429+/-0.276 χ^2/NDF:150.9/15

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.150+/-0.288 χ^2/NDF:137.2/13

Left: -1.295+/-0.199 χ^2/NDF: 288.5/29

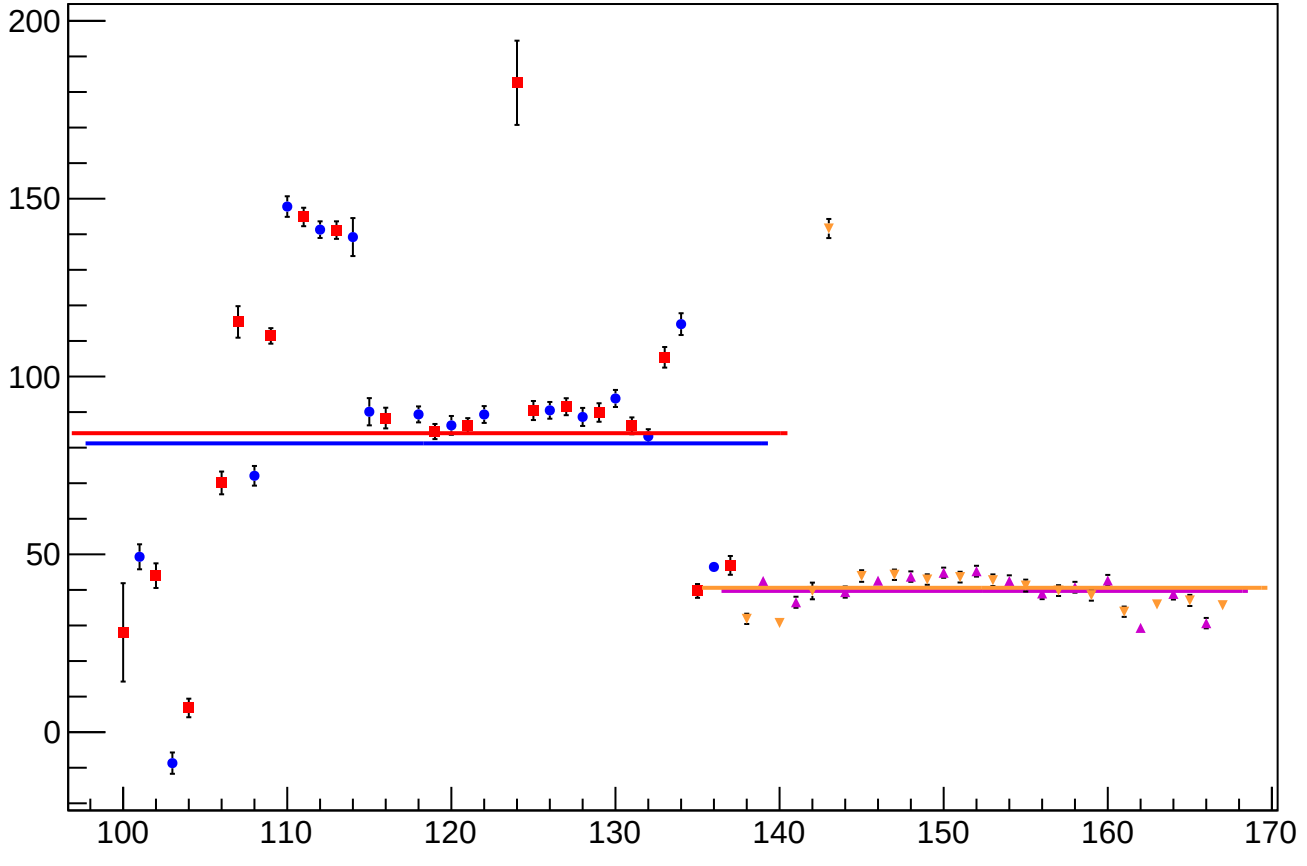
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.691+/-0.255 χ^2/NDF:277.7/29

Out: -1.887+/-0.248 χ^2/NDF:326.2/34

All: -1.792+/-0.178 χ^2/NDF: 604.2/64

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 40.593+/-0.390 χ^2/NDF:1573.0/15

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.720+/-0.400 χ^2/NDF:154.6/13

Left: 40.167+/-0.279 χ^2/NDF: 1730.1/29

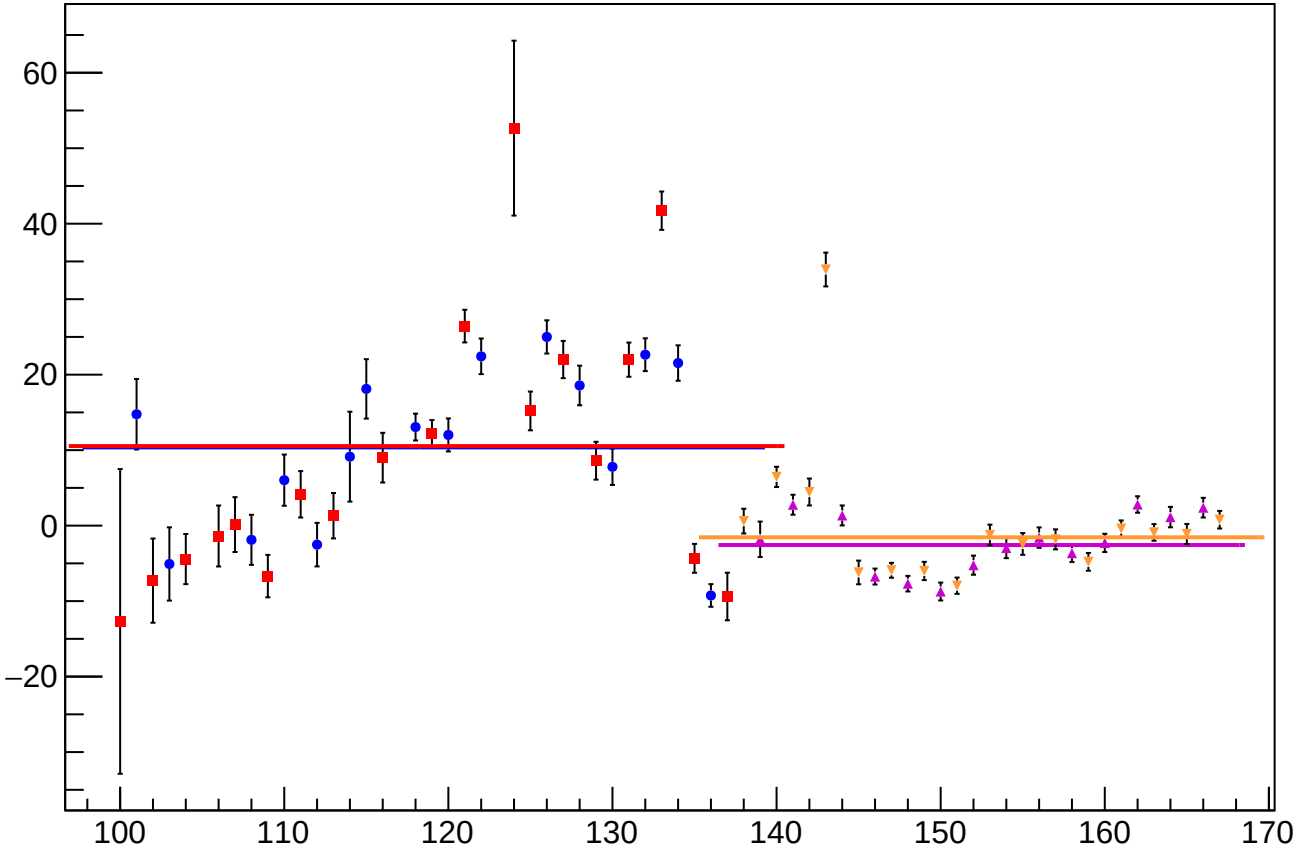
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 52.258+/-0.334 χ^2/NDF:6643.5/29

Out: 53.028+/-0.330 χ^2/NDF:8332.2/34

All: 52.648+/-0.235 χ^2/NDF: 14978.3/64

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.549+/-0.321 χ^2/NDF:390.0/15

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -2.569+/-0.334 χ^2/NDF:144.6/13

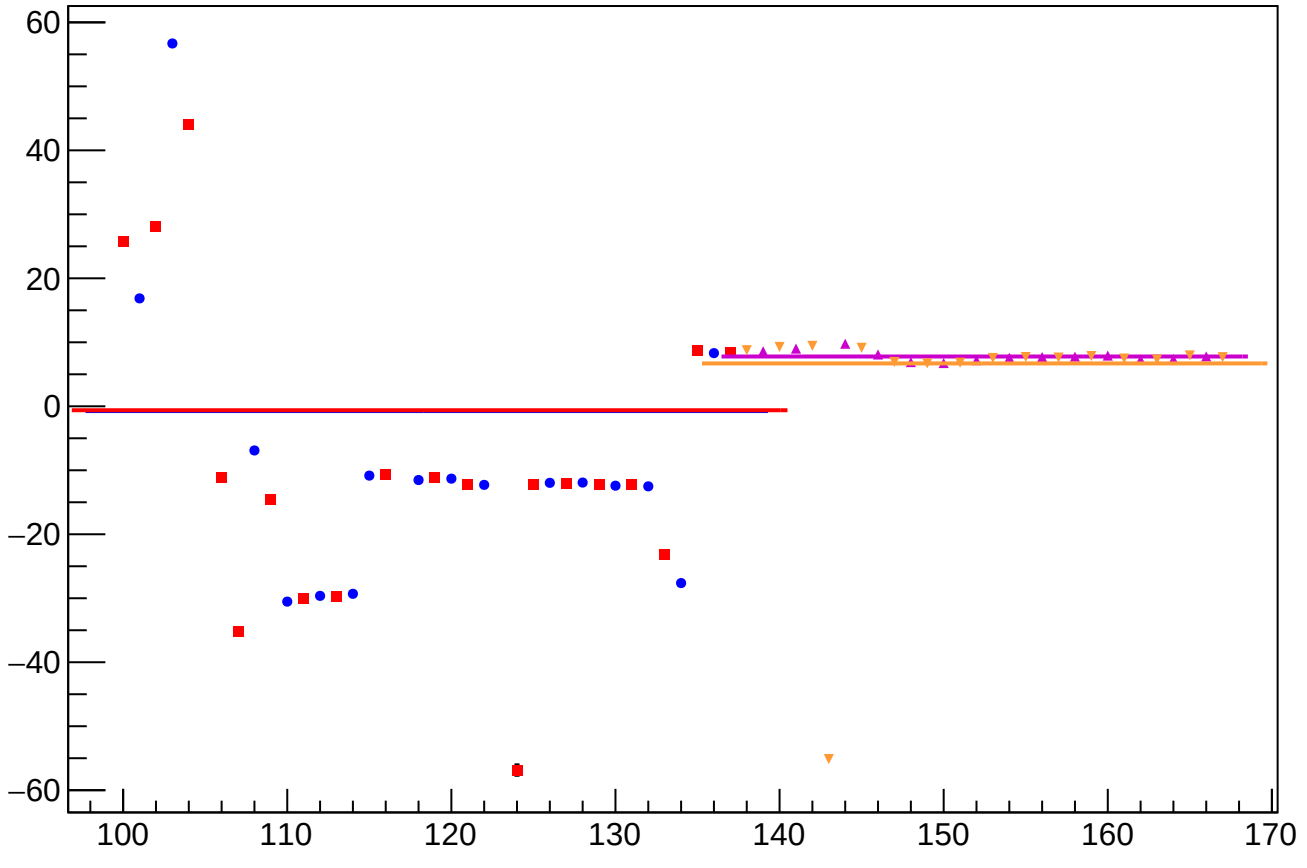
Left: -2.039+/-0.232 χ^2/NDF: 539.5/29

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.291+/-0.295 χ^2/NDF:836.4/29

Out: 0.884+/-0.287 χ^2/NDF:1145.5/34

All: 0.595+/-0.206 χ^2/NDF: 1984.0/64



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.698+/-0.015 χ^2/NDF:314074.9/15

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.781+/-0.015 χ^2/NDF:2291.7/13

Left: 7.226+/-0.010 χ^2/NDF: 319025.1/29

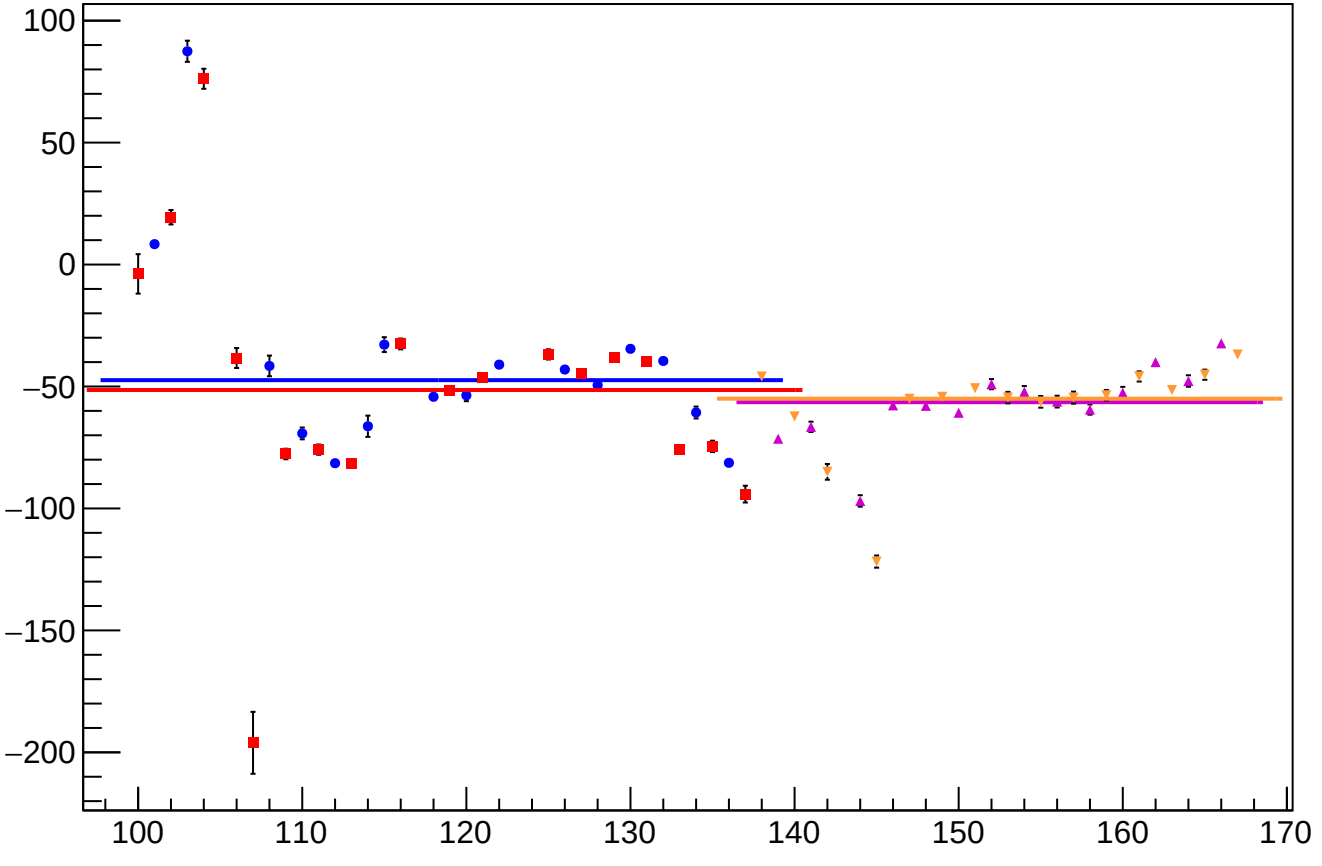
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.507+/-0.014 χ^2/NDF:418318.4/29

Out: 5.720+/-0.014 χ^2/NDF:663844.1/34

All: 6.107+/-0.010 χ^2/NDF: 1083797.9/64

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -54.988+/-0.537 χ^2/NDF:1004.1/14

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -56.435+/-0.546 χ^2/NDF:690.5/13

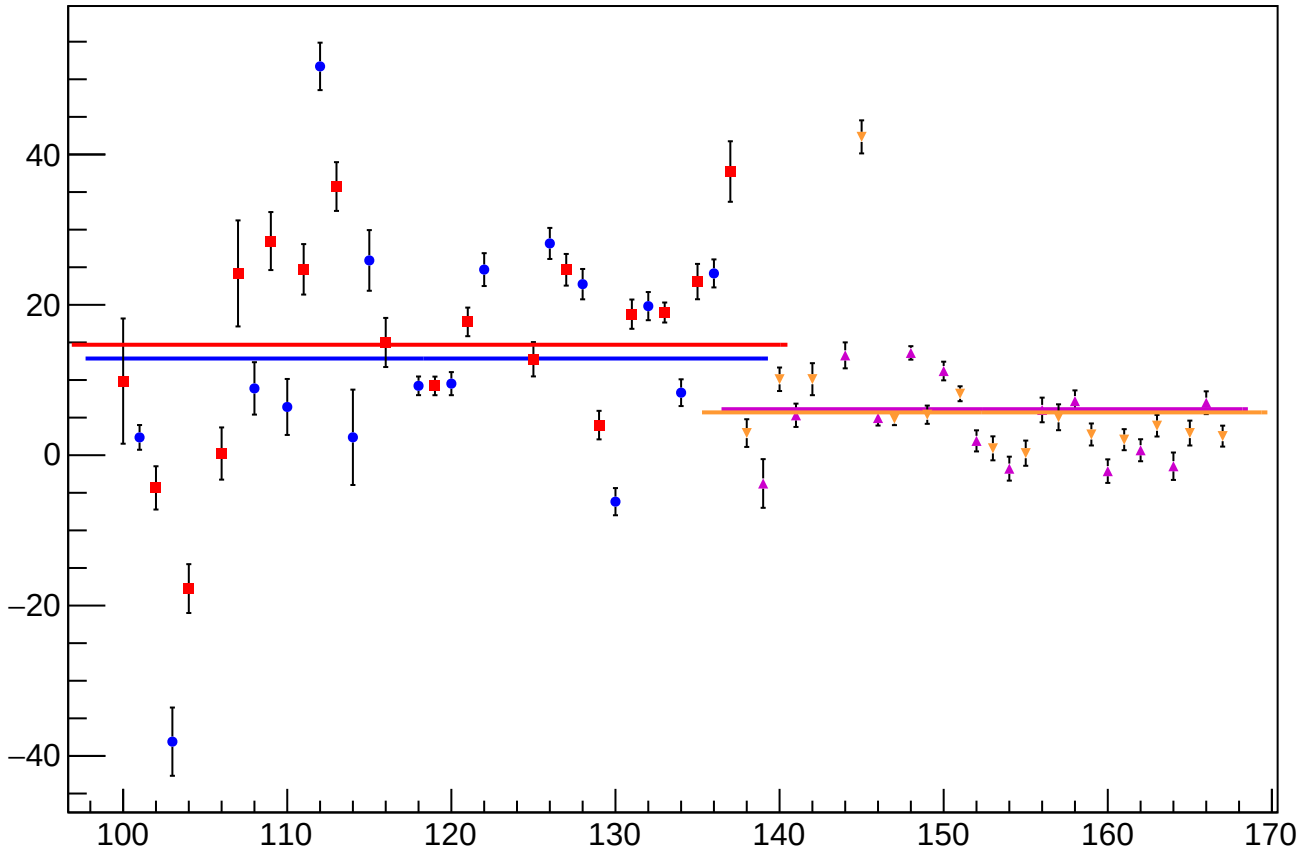
Left: -55.700+/-0.383 χ^2/NDF: 1698.1/28

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -51.826+/-0.382 χ^2/NDF:3599.3/29

Out: -53.241+/-0.383 χ^2/NDF:3898.3/32

All: -52.532+/-0.270 χ^2/NDF: 7504.4/62



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.694+/-0.363 χ^2/NDF:339.1/14

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.119+/-0.375 χ^2/NDF:208.0/13

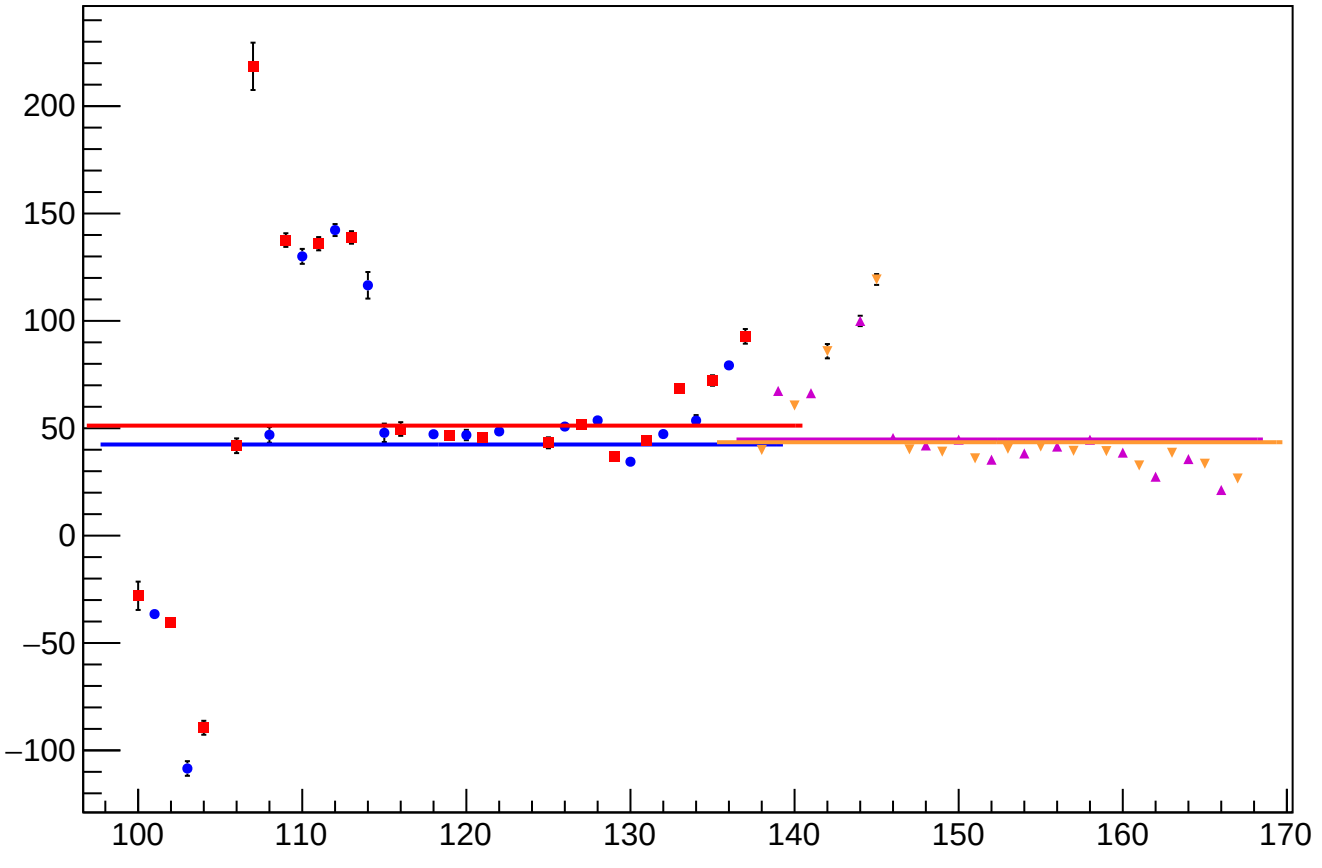
Left: 5.900+/-0.261 χ^2/NDF: 547.8/28

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 8.434+/-0.304 χ^2/NDF:944.4/29

Out: 8.464+/-0.302 χ^2/NDF:892.3/32

All: 8.449+/-0.214 χ^2/NDF: 1836.7/62



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 43.496+/-0.522 χ^2/NDF:1336.4/14

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 44.762+/-0.528 χ^2/NDF:1085.0/13

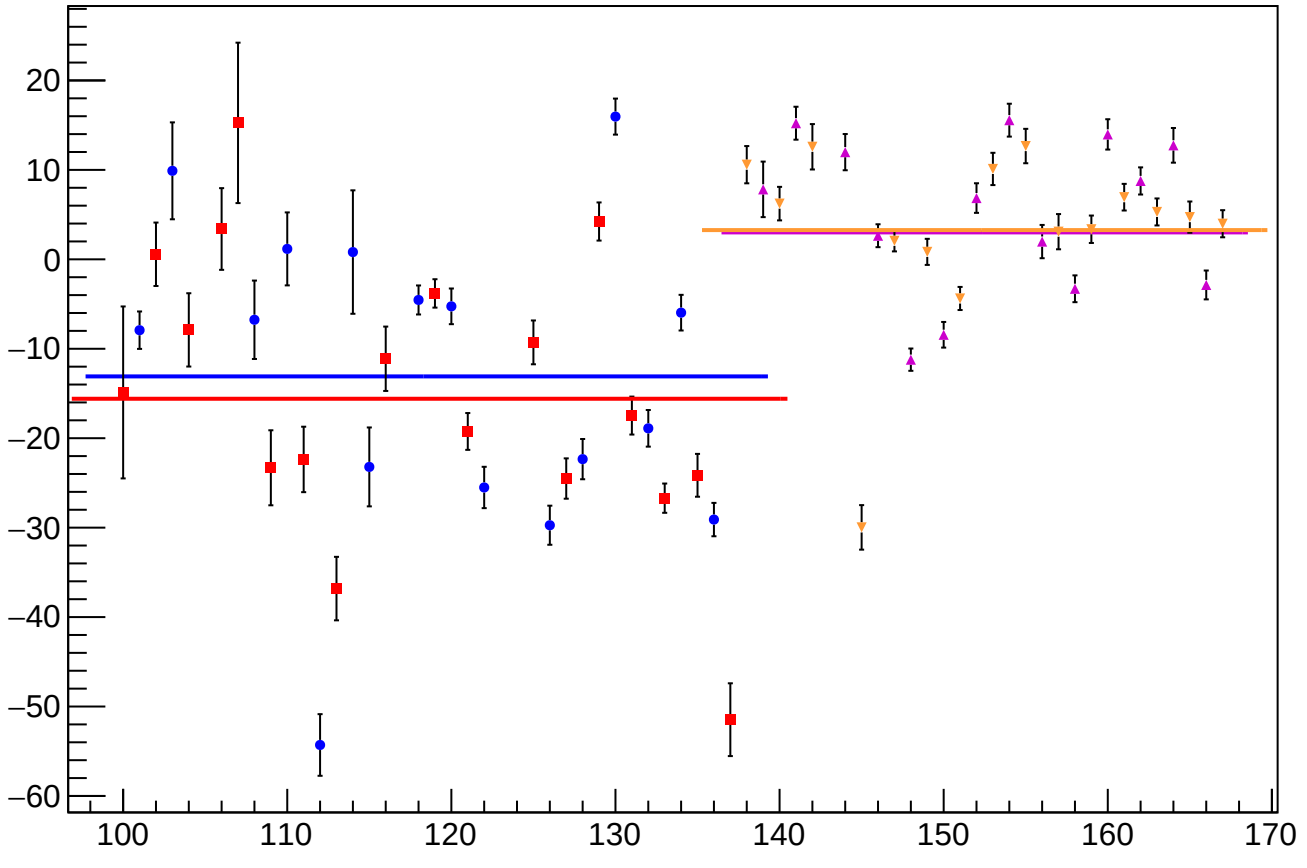
Left: 44.122+/-0.371 χ^2/NDF: 2424.3/28

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 43.718+/-0.392 χ^2/NDF:8262.6/29

Out: 46.731+/-0.398 χ^2/NDF:8039.6/32

All: 45.201+/-0.279 χ^2/NDF: 16331.4/62



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.268+/-0.425 χ^2/NDF:292.5/14

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 3.010+/-0.438 χ^2/NDF:424.5/13

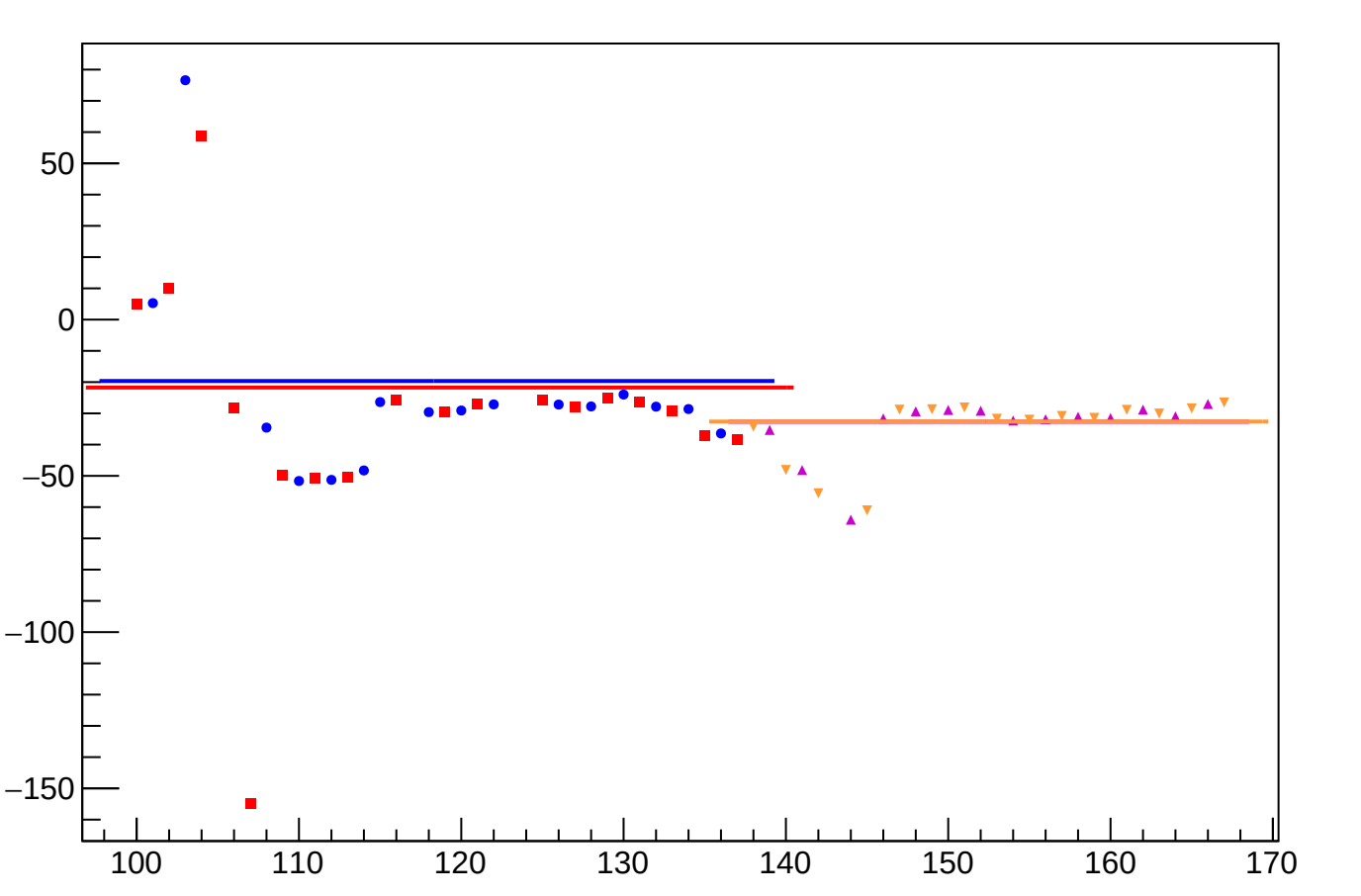
Left: 3.143+/-0.305 χ^2/NDF: 717.2/28

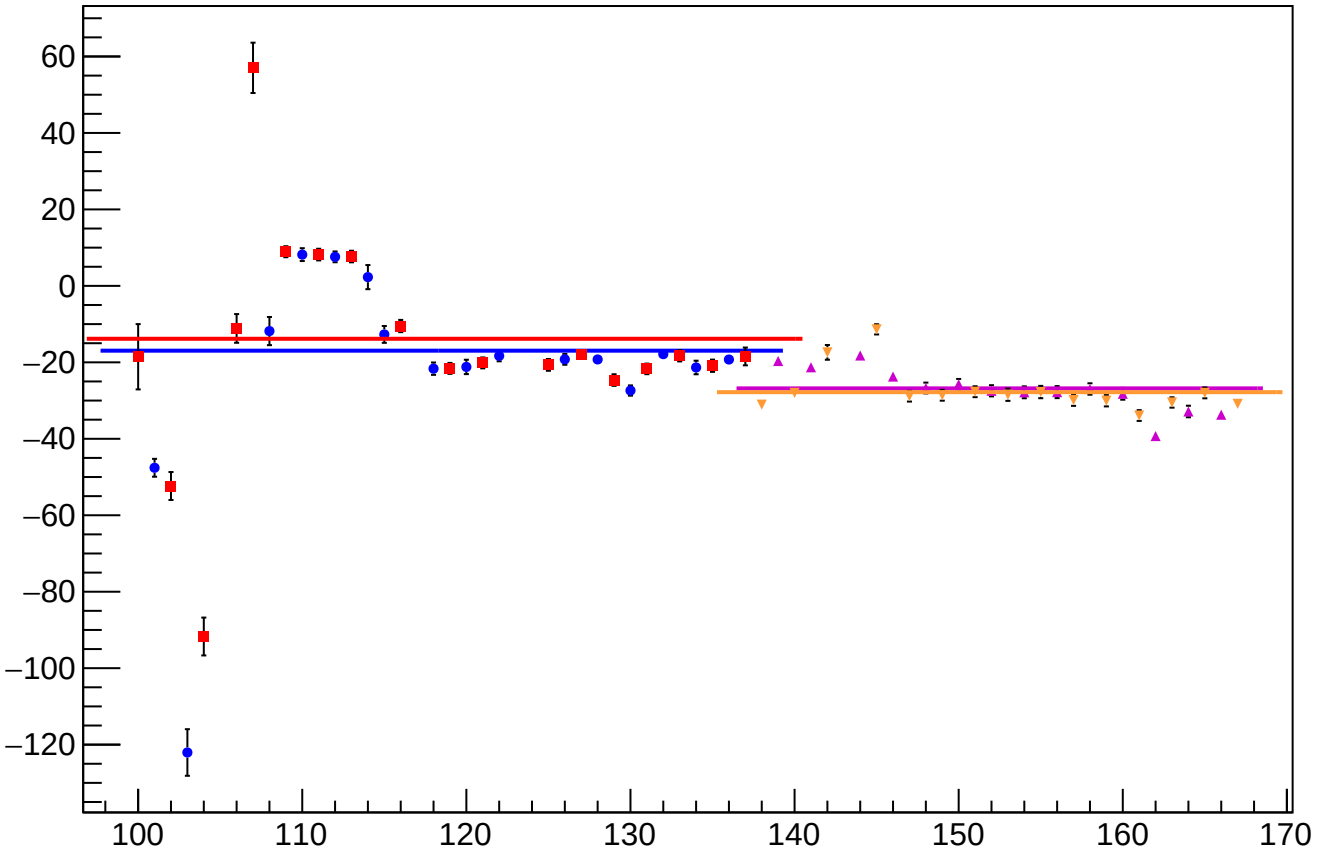
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

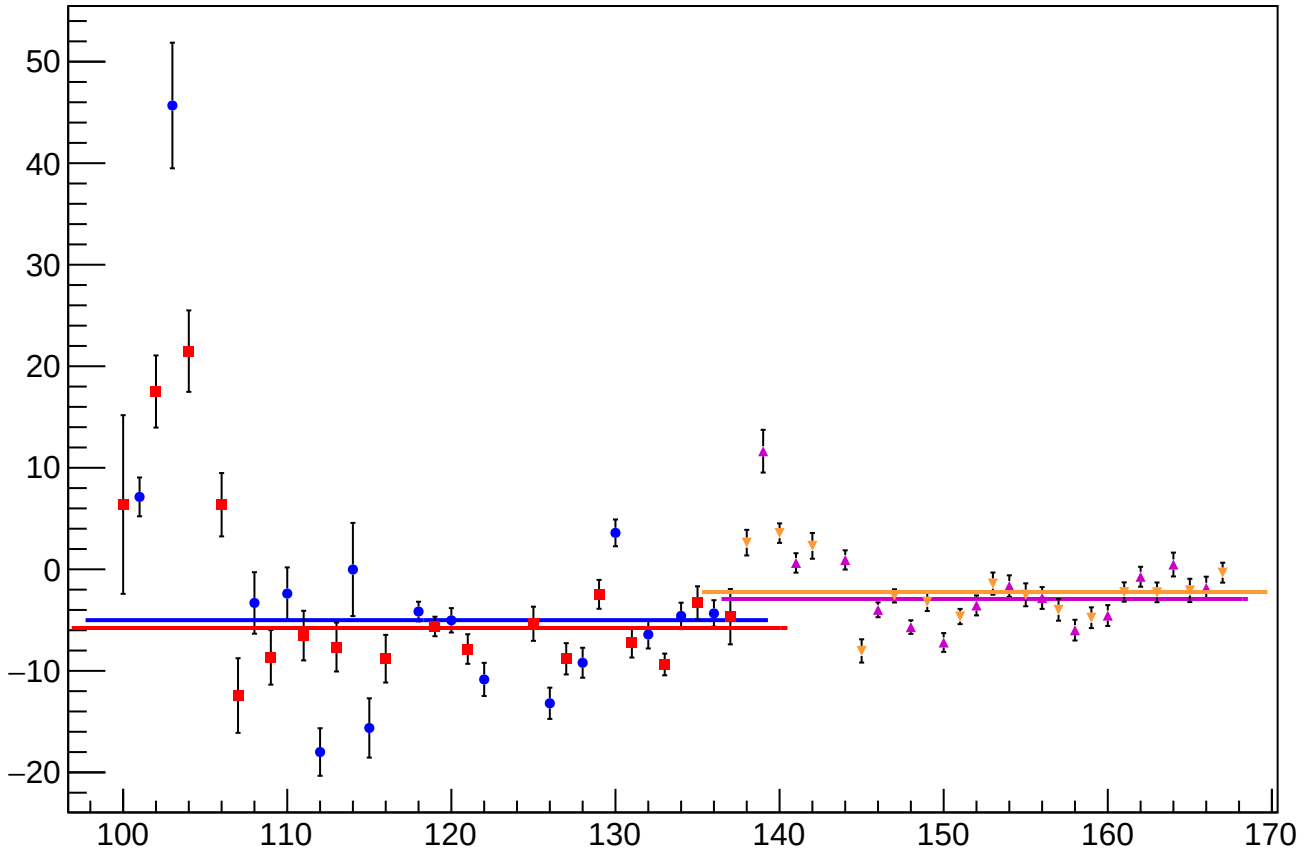
In: -2.593+/-0.354 χ^2/NDF:1534.3/29

Out: -2.676+/-0.352 χ^2/NDF:1314.1/32

All: -2.635+/-0.250 χ^2/NDF: 2848.4/62


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: -19.644+/-0.036 χ²/NDF: 646925.7/15
Left Out: -32.636+/-0.020 χ²/NDF:169477.3/14
Right Out: -21.730+/-0.039 χ²/NDF: 546659.9/17
Left In: -32.679+/-0.020 χ²/NDF:134048.1/13
Left: -32.657+/-0.014 χ²/NDF: 303527.7/28
Right: -20.610+/-0.026 χ²/NDF: 1195130.0/33
In: -29.635+/-0.017 χ²/NDF:880838.7/29
Out: -30.412+/-0.018 χ²/NDF:778750.0/32
All: -30.021+/-0.012 χ²/NDF: 1660573.5/62


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -16.949+/-0.404 χ²/NDF: 1128.2/15
Left Out: -27.804+/-0.362 χ²/NDF:221.9/14
Right Out: -13.837+/-0.409 χ²/NDF: 1333.2/17
Left In: -26.812+/-0.368 χ²/NDF:249.8/13
Left: -27.316+/-0.258 χ²/NDF: 475.4/28
Right: -15.414+/-0.287 χ²/NDF: 2490.7/33
In: -22.335+/-0.272 χ²/NDF:1703.7/29
Out: -21.663+/-0.271 χ²/NDF:2207.8/32
All: -21.998+/-0.192 χ²/NDF: 3914.6/62



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.236+/-0.251 χ^2/NDF:114.9/14

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.920+/-0.258 χ^2/NDF:146.5/13

Left: -2.569+/-0.180 χ^2/NDF: 265.0/28

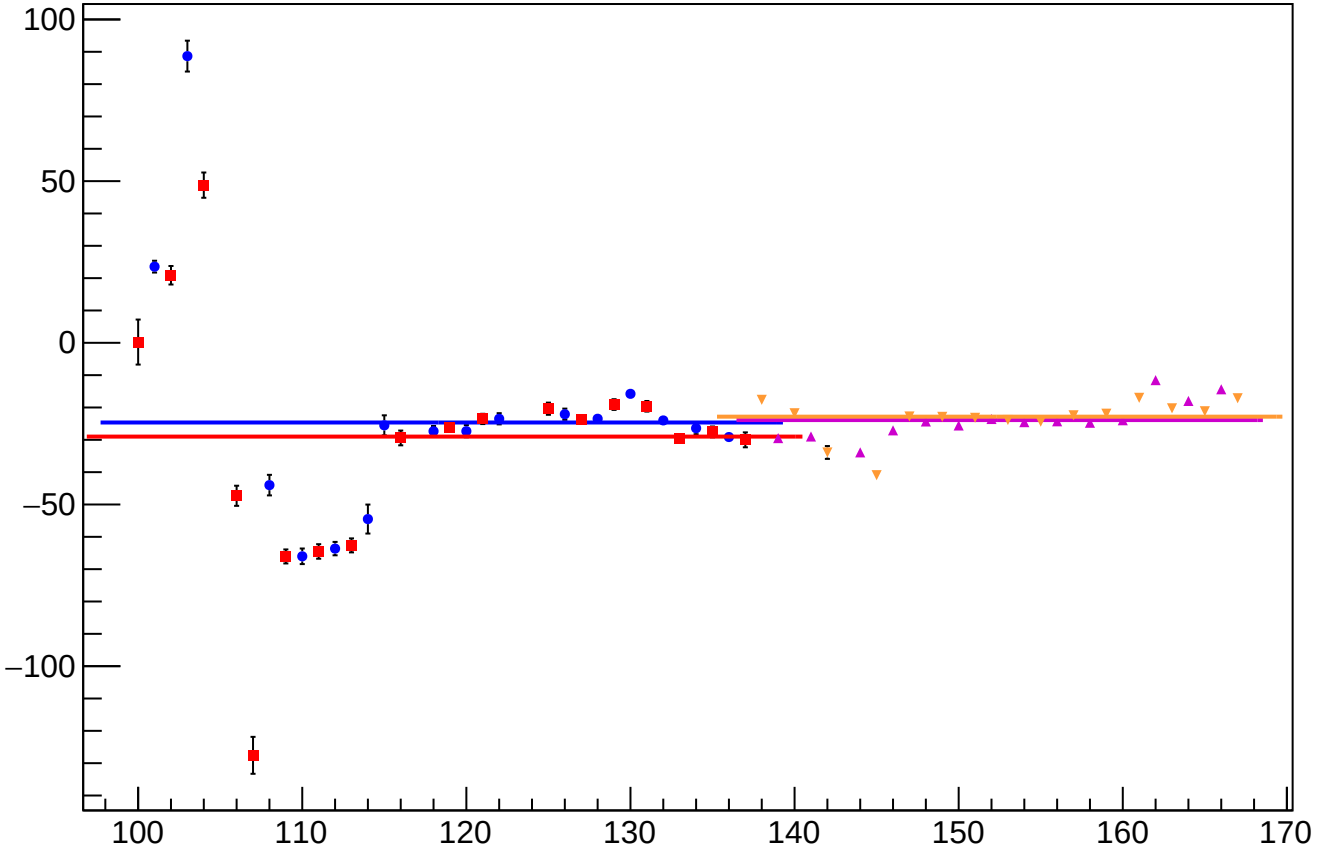
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.530+/-0.217 χ^2/NDF:413.3/29

Out: -3.171+/-0.215 χ^2/NDF:306.8/32

All: -3.349+/-0.153 χ^2/NDF: 721.5/62

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -22.838+/-0.353 χ^2/NDF:272.5/14

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -23.891+/-0.357 χ^2/NDF:273.0/13

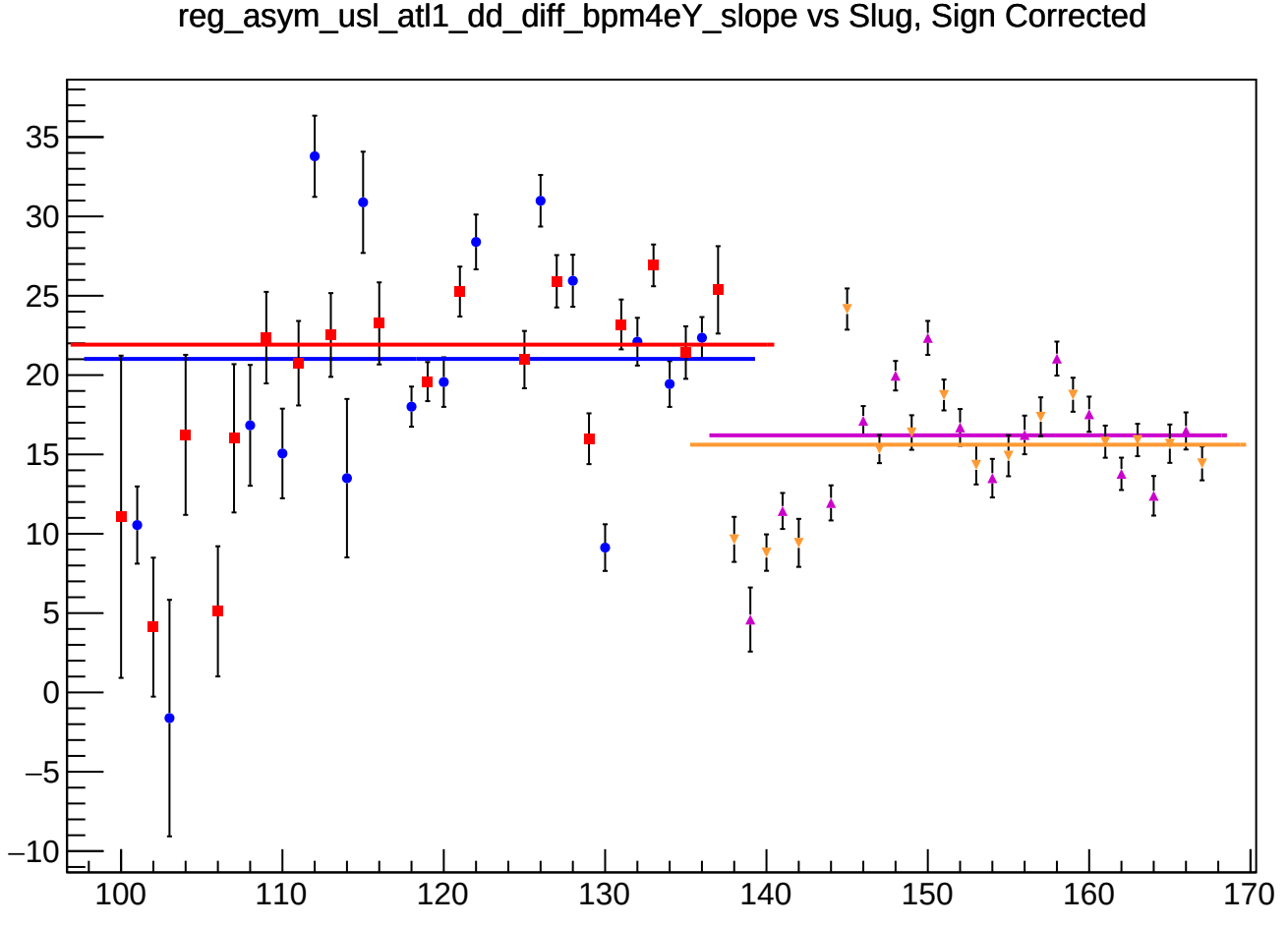
Left: -23.359+/-0.251 χ^2/NDF: 549.9/28

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -24.177+/-0.281 χ^2/NDF:2326.5/29

Out: -25.032+/-0.283 χ^2/NDF:2333.1/32

All: -24.601+/-0.200 χ^2/NDF: 4664.2/62



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.614+/-0.292 χ^2/NDF:137.1/14

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.204+/-0.300 χ^2/NDF:157.6/13

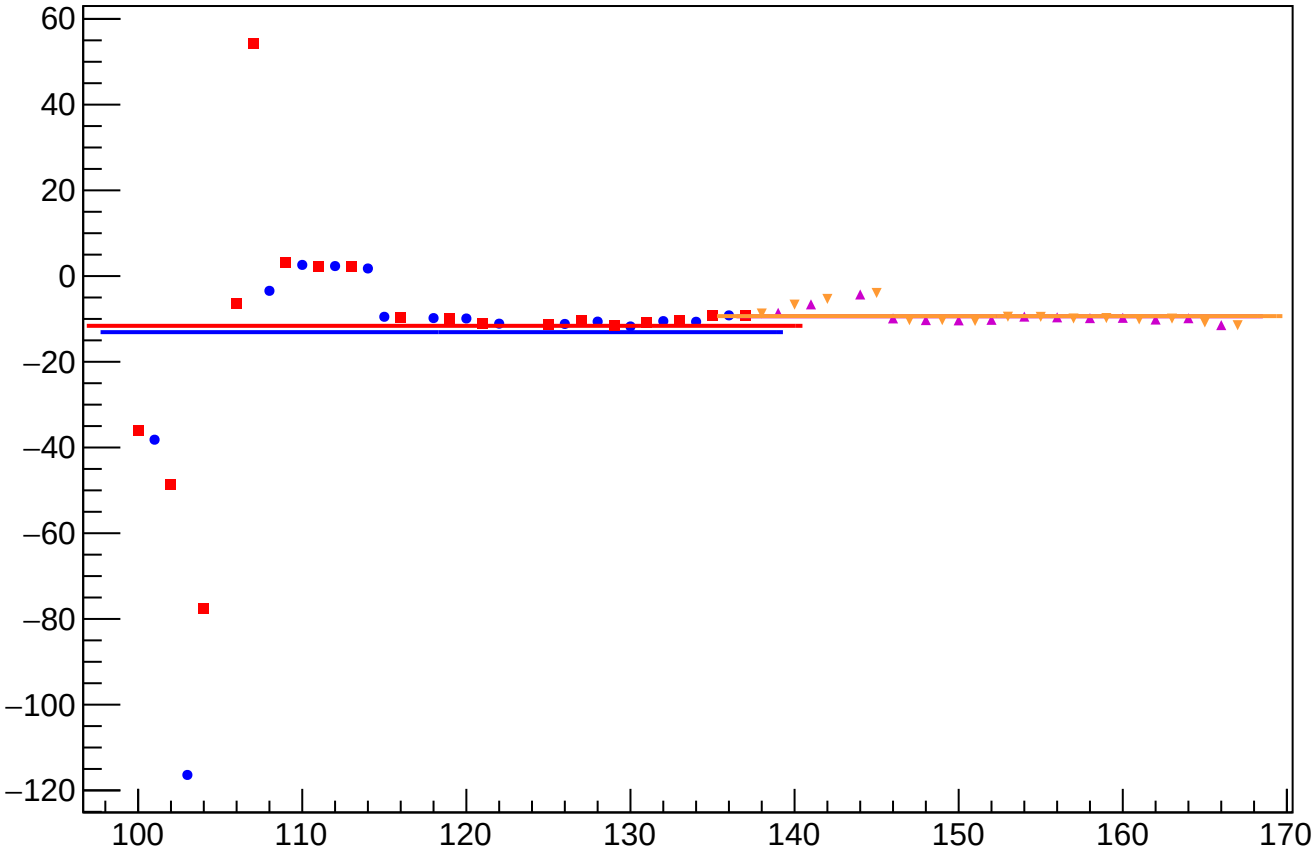
Left: 15.901+/-0.209 χ^2/NDF: 296.7/28

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 17.646+/-0.251 χ^2/NDF:444.6/29

Out: 17.324+/-0.249 χ^2/NDF:346.2/32

All: 17.484+/-0.177 χ^2/NDF: 791.6/62



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.345+/-0.013 χ^2/NDF:19943.1/14

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.387+/-0.013 χ^2/NDF:13465.5/13

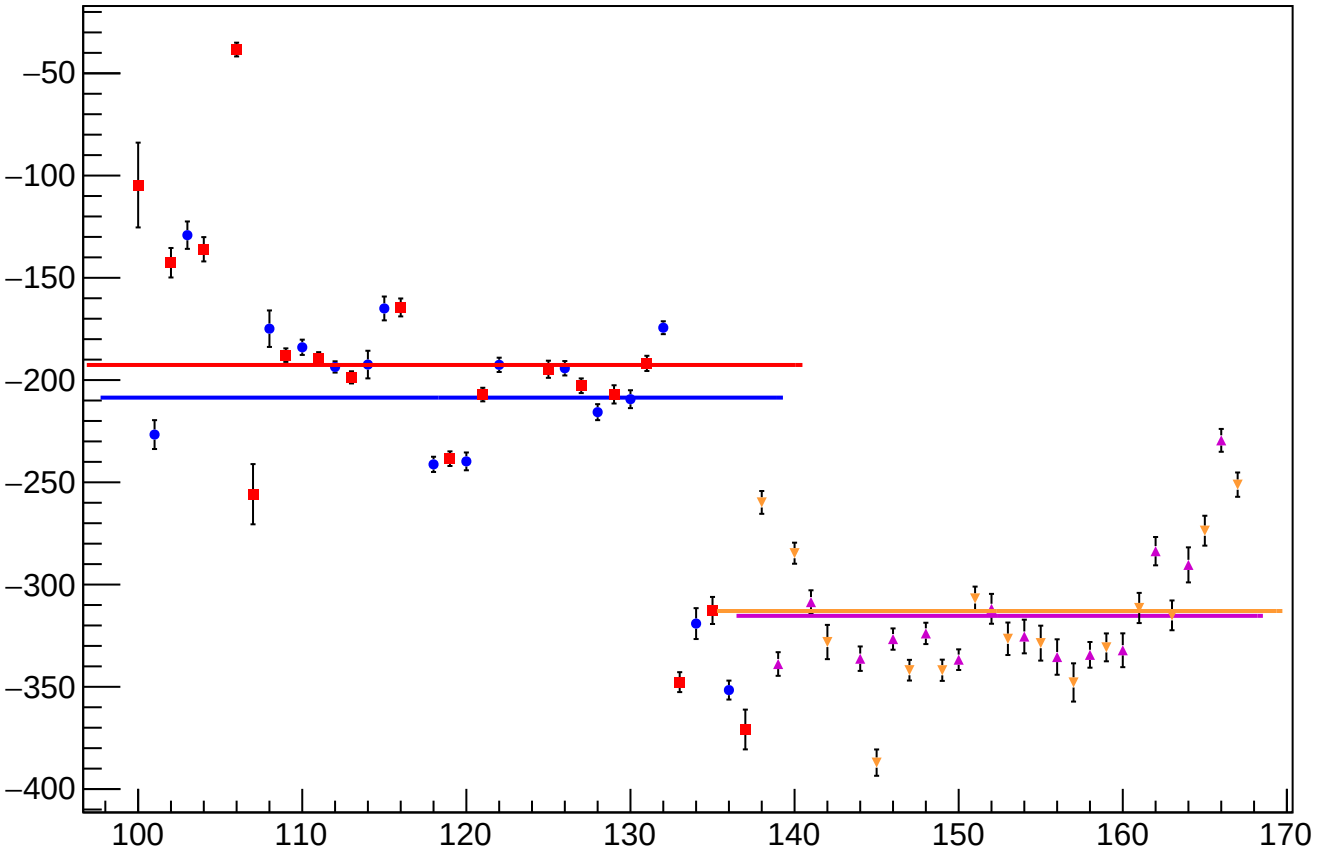
Left: -9.366+/-0.009 χ^2/NDF: 33413.6/28

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.068+/-0.012 χ^2/NDF:372238.4/29

Out: -9.699+/-0.012 χ^2/NDF:338662.6/32

All: -9.884+/-0.009 χ^2/NDF: 711357.4/62



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -312.927+/-1.664 χ^2/NDF:485.4/14

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -315.299+/-1.680 χ^2/NDF:341.4/13

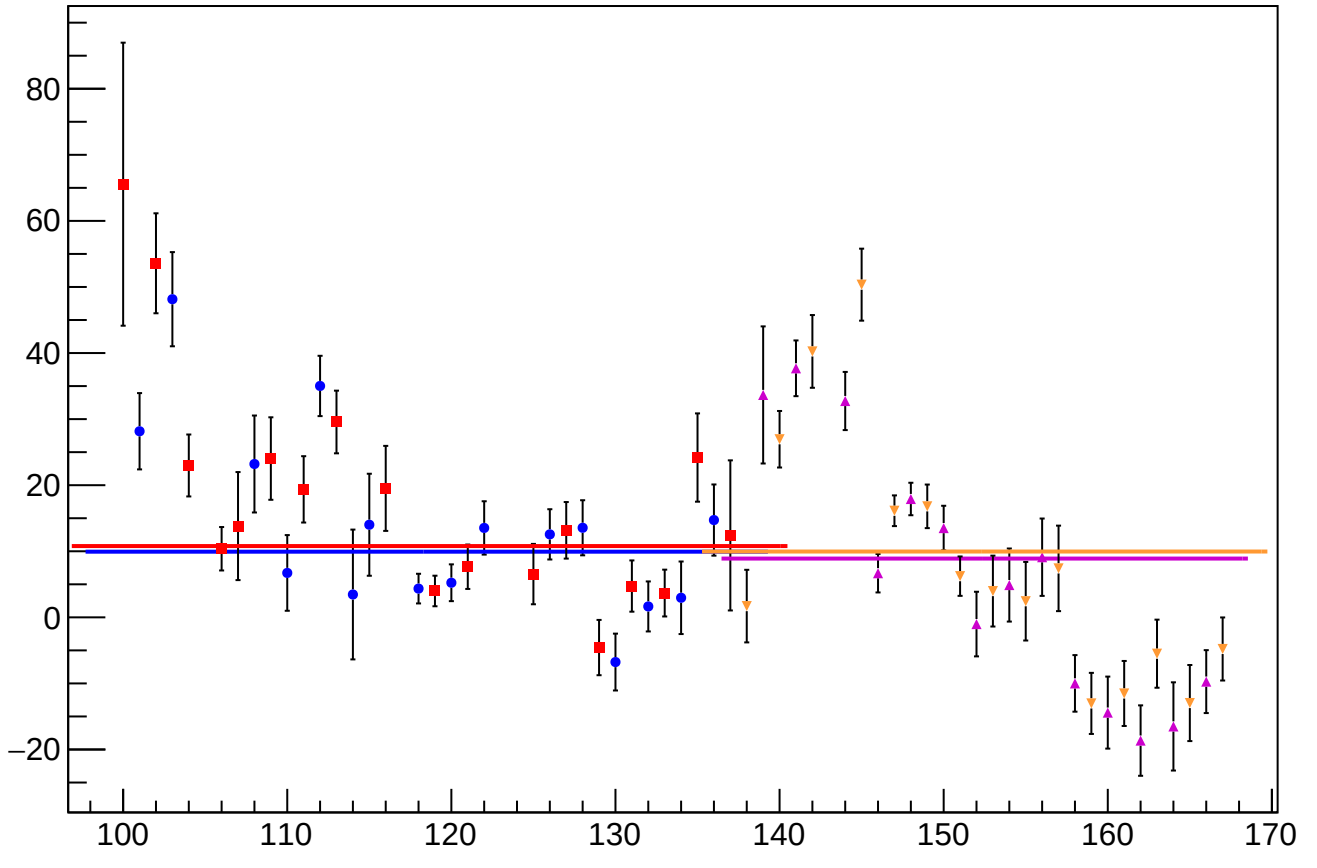
Left: -314.102+/-1.183 χ^2/NDF: 827.9/28

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -239.228+/-0.900 χ^2/NDF:4967.4/29

Out: -224.472+/-0.856 χ^2/NDF:8533.8/32

All: -231.481+/-0.621 χ^2/NDF: 13642.2/62



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 9.962+/-1.097 χ^2/NDF:197.4/14

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 8.896+/-1.131 χ^2/NDF:196.5/13

Left: 9.445+/-0.787 χ^2/NDF: 394.3/28

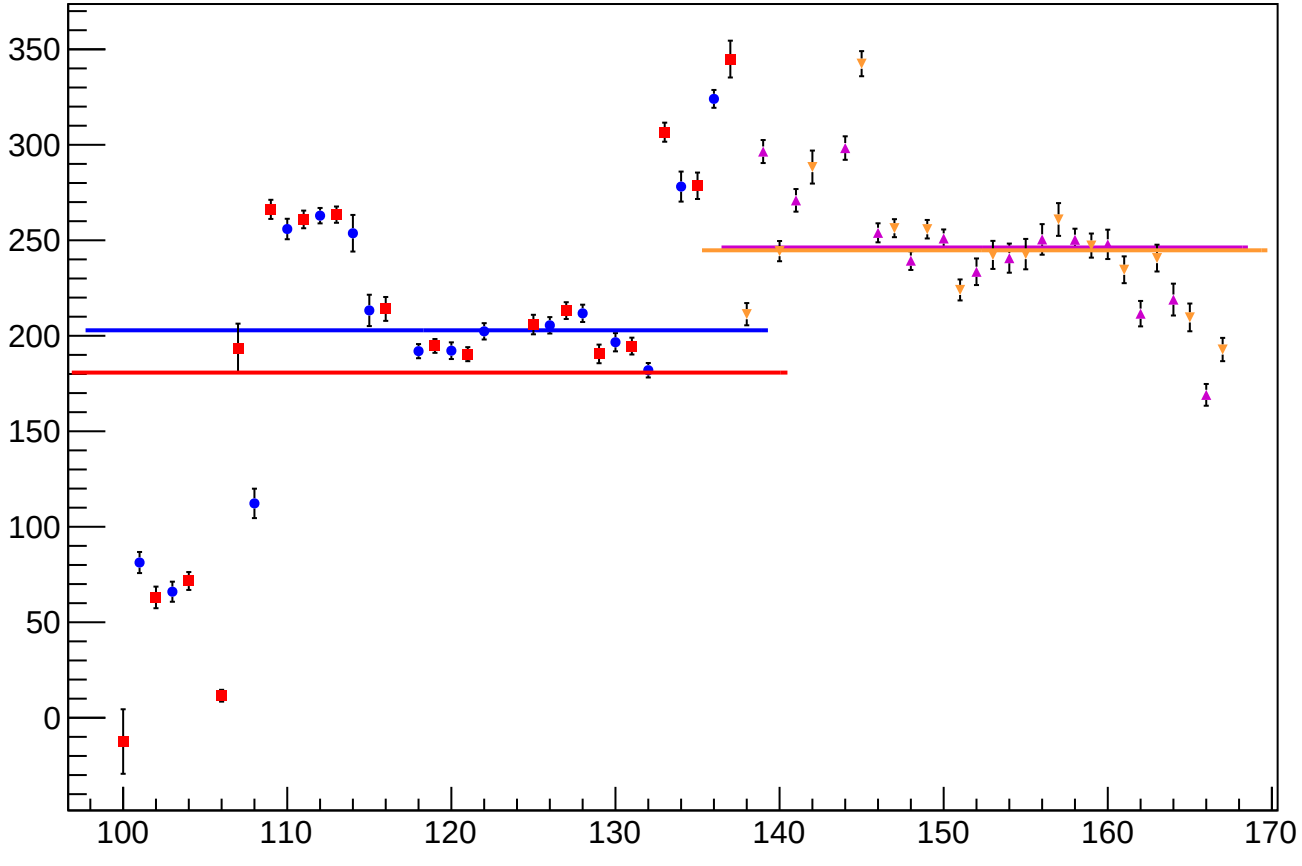
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 9.448+/-0.775 χ^2/NDF:303.5/29

Out: 10.396+/-0.756 χ^2/NDF:302.8/32

All: 9.934+/-0.541 χ^2/NDF: 607.0/62

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 244.758+/-1.618 χ^2/NDF:407.2/14

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 246.241+/-1.627 χ^2/NDF:389.7/13

Left: 245.495+/-1.148 χ^2/NDF: 797.3/28

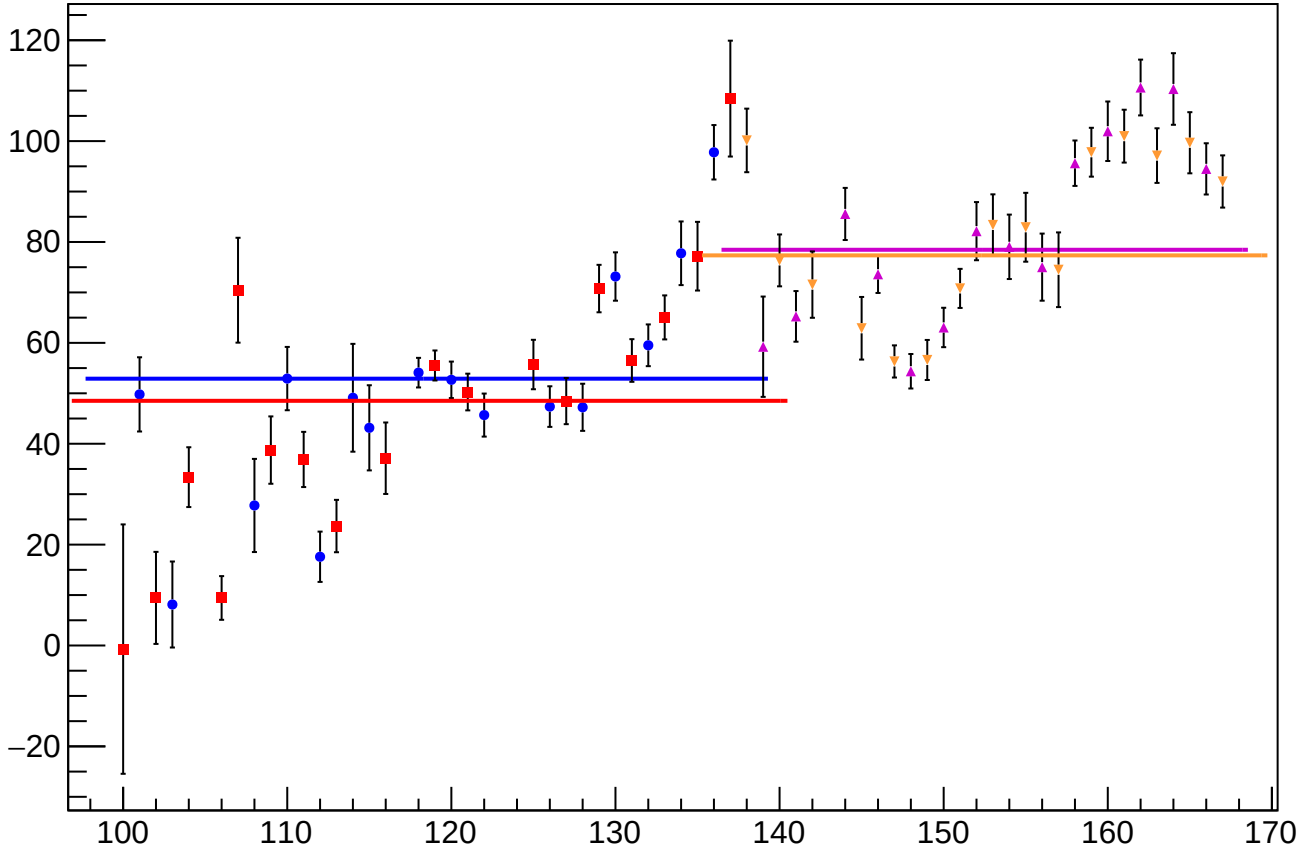
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 218.570+/-0.979 χ^2/NDF:3307.1/29

Out: 202.054+/-0.934 χ^2/NDF:7799.0/32

All: 209.924+/-0.676 χ^2/NDF: 11255.1/62

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 77.346+/-1.307 χ^2/NDF:167.9/14

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 78.457+/-1.339 χ^2/NDF:174.5/13

Left: 77.888+/-0.935 χ^2/NDF: 342.7/28

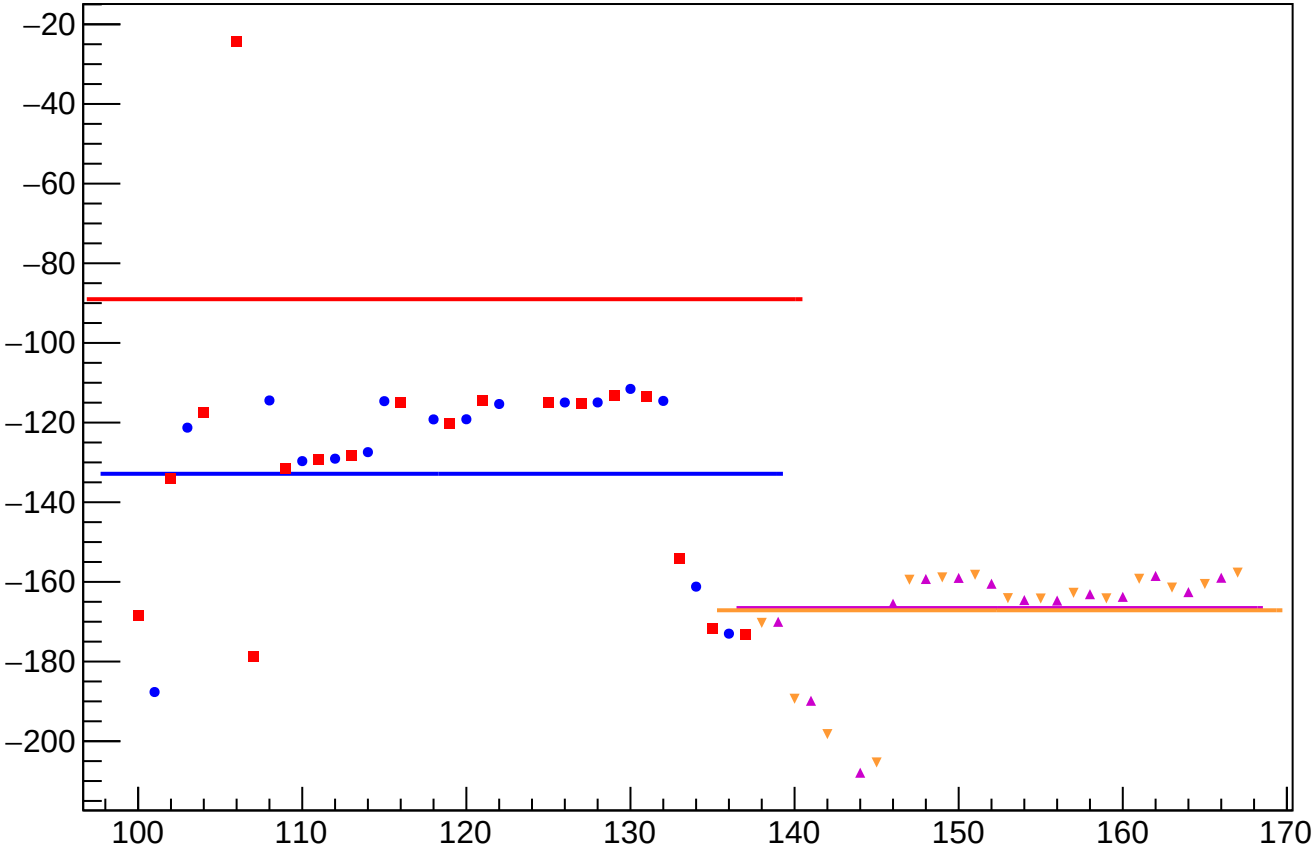
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 64.712+/-0.910 χ^2/NDF:568.7/29

Out: 61.865+/-0.890 χ^2/NDF:669.0/32

All: 63.256+/-0.636 χ^2/NDF: 1242.7/62

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -167.127+/-0.063 χ^2/NDF:47487.0/14

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -166.567+/-0.063 χ^2/NDF:38297.5/13

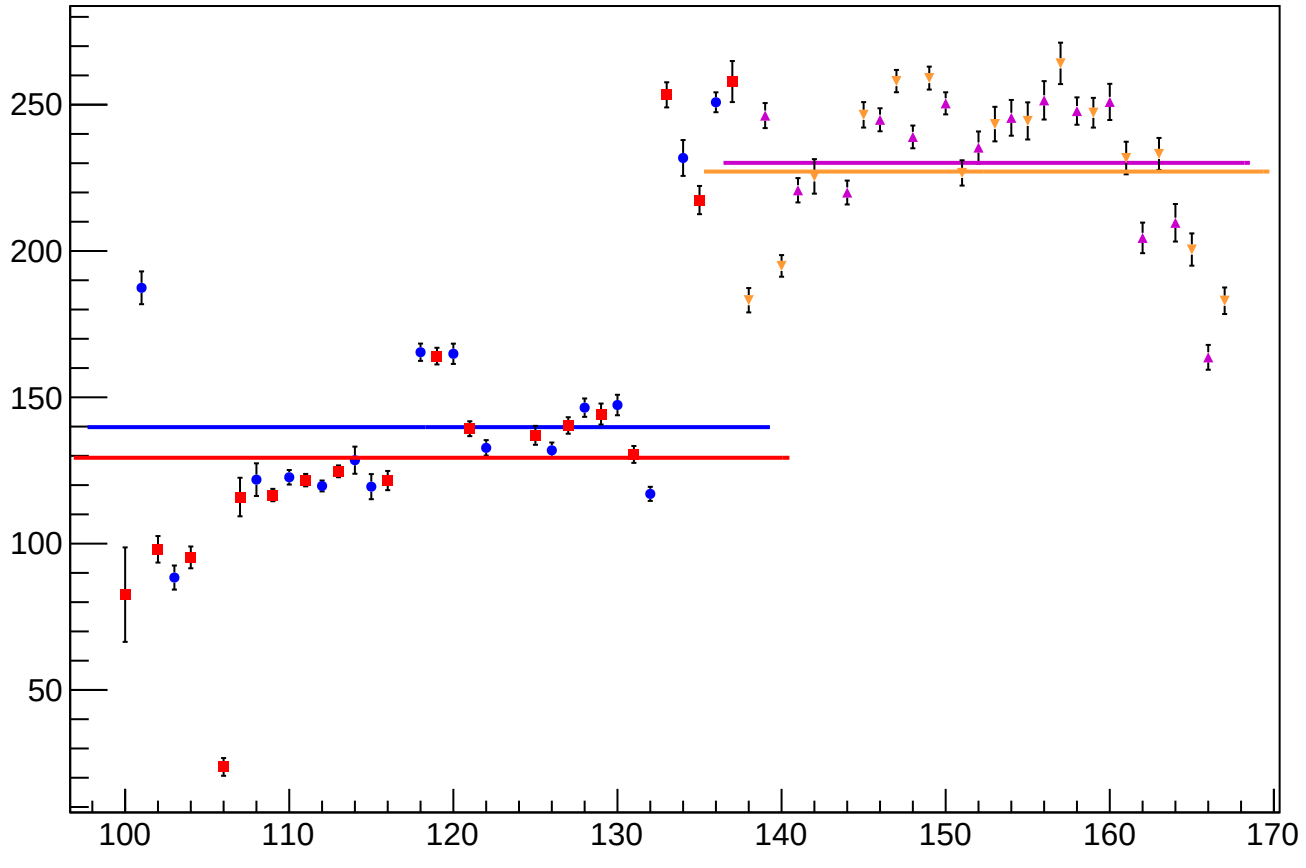
Left: -166.847+/-0.044 χ^2/NDF: 85824.5/28

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -154.045+/-0.050 χ^2/NDF:239724.9/29

Out: -129.081+/-0.045 χ^2/NDF:1535537.0/32

All: -140.297+/-0.033 χ^2/NDF: 1914862.2/62



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 227.146+/-1.232 χ^2/NDF:517.3/14

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 230.118+/-1.245 χ^2/NDF:397.1/13

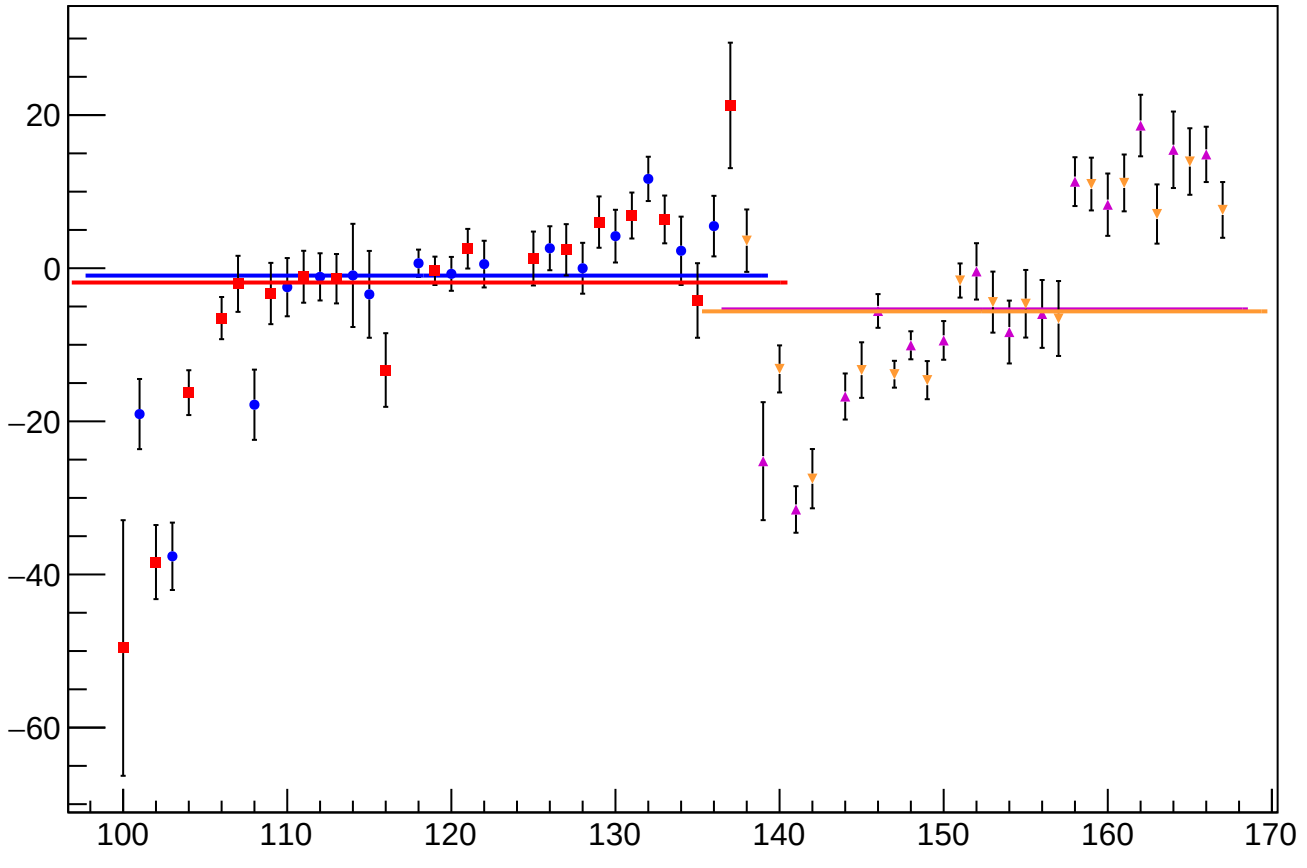
Left: 228.616+/-0.876 χ^2/NDF: 917.3/28

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 165.475+/-0.664 χ^2/NDF:6127.3/29

Out: 154.984+/-0.631 χ^2/NDF:8292.1/32

All: 159.961+/-0.457 χ^2/NDF: 14550.7/62



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -5.635+/-0.815 χ^2/NDF:173.9/14

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -5.377+/-0.840 χ^2/NDF:229.6/13

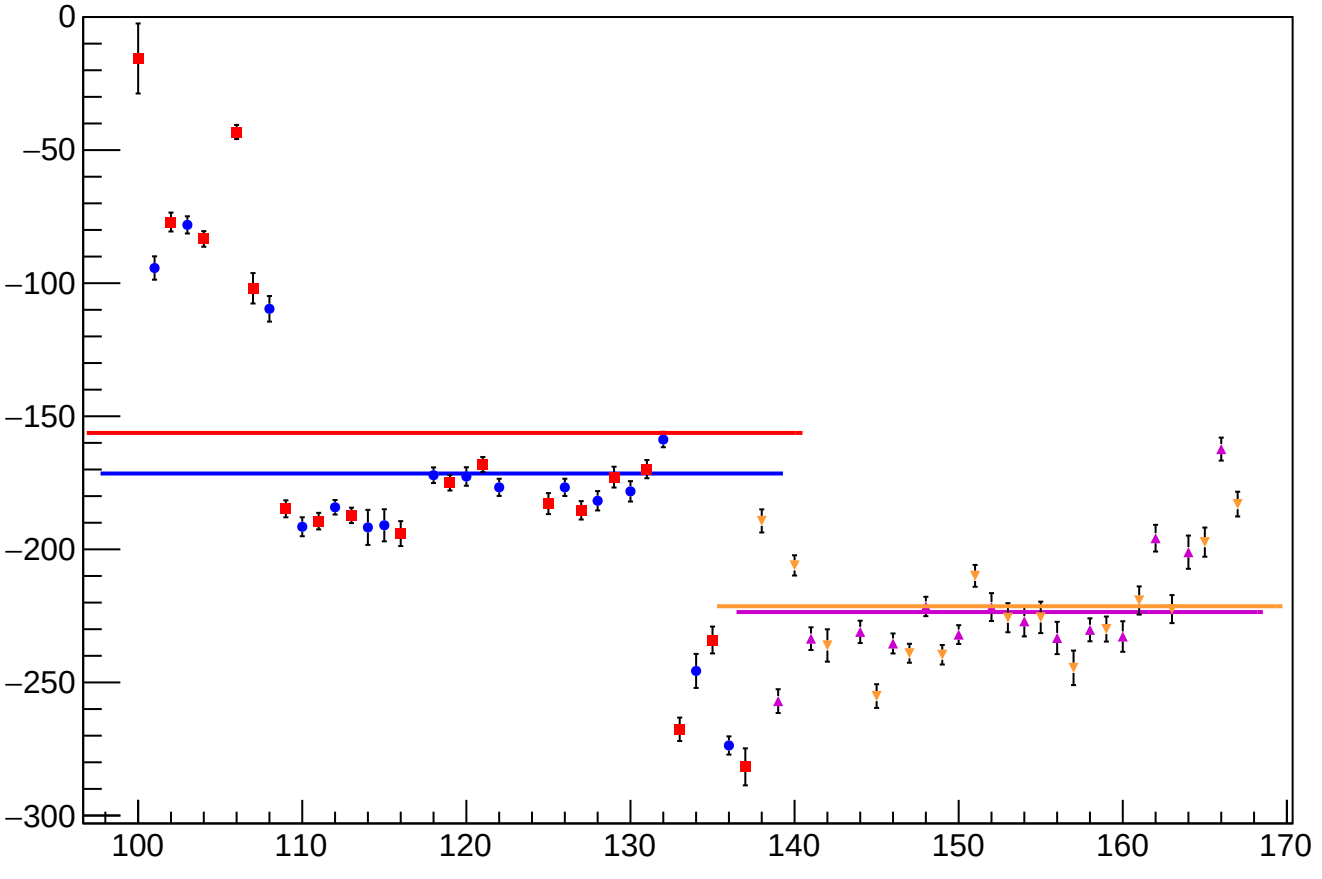
Left: -5.510+/-0.585 χ^2/NDF: 403.5/28

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -3.086+/-0.582 χ^2/NDF:370.0/29

Out: -3.677+/-0.565 χ^2/NDF:318.1/32

All: -3.390+/-0.405 χ^2/NDF: 688.7/62



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -221.378+/-1.200 χ^2/NDF:295.9/14

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -223.554+/-1.207 χ^2/NDF:332.8/13

Left: -222.459+/-0.851 χ^2/NDF: 630.3/28

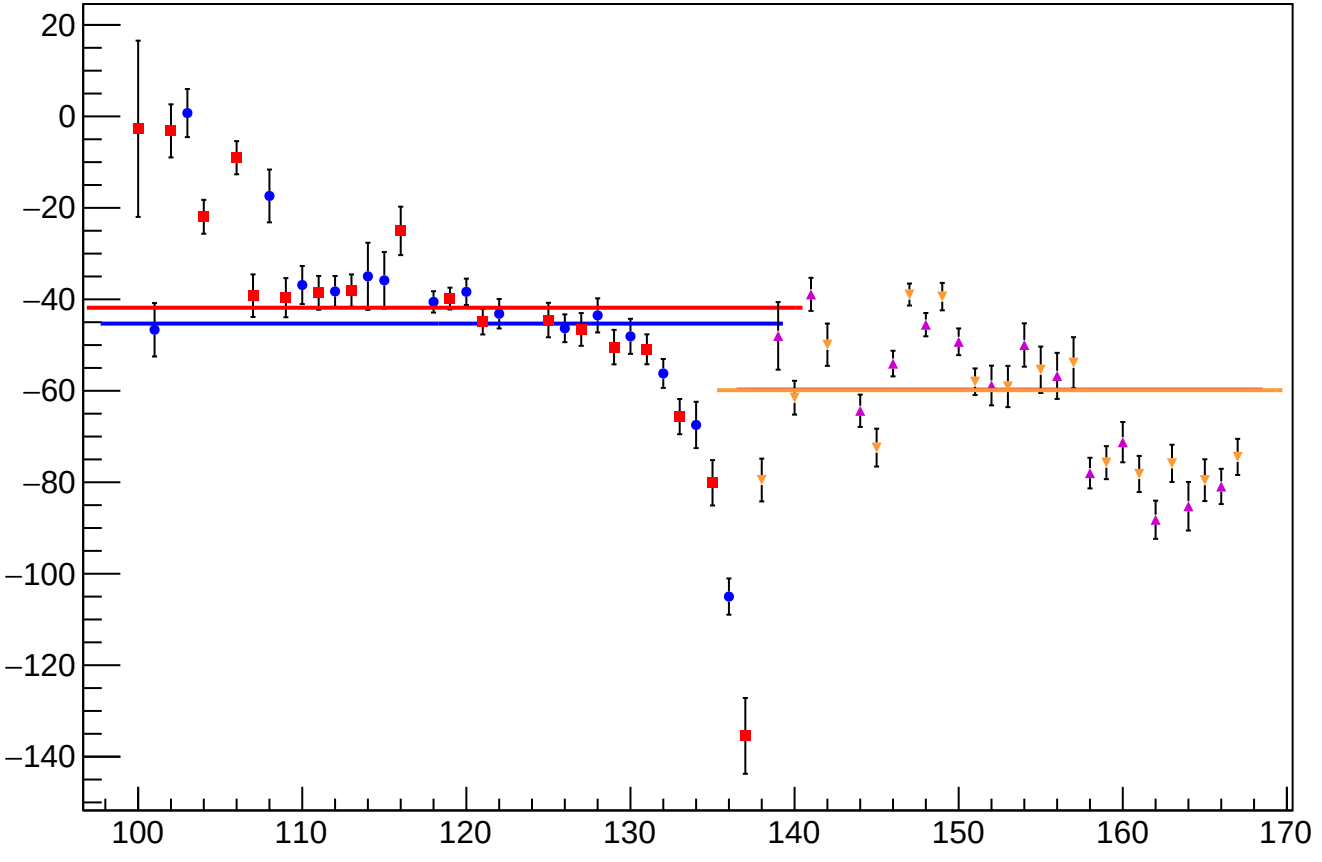
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -190.278+/-0.725 χ^2/NDF:3963.8/29

Out: -177.931+/-0.692 χ^2/NDF:7165.8/32

All: -183.818+/-0.501 χ^2/NDF: 11281.3/62

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.862+/-0.971 χ^2/NDF:244.5/14

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -59.745+/-0.995 χ^2/NDF:226.2/13

Left: -59.805+/-0.695 χ^2/NDF: 470.8/28

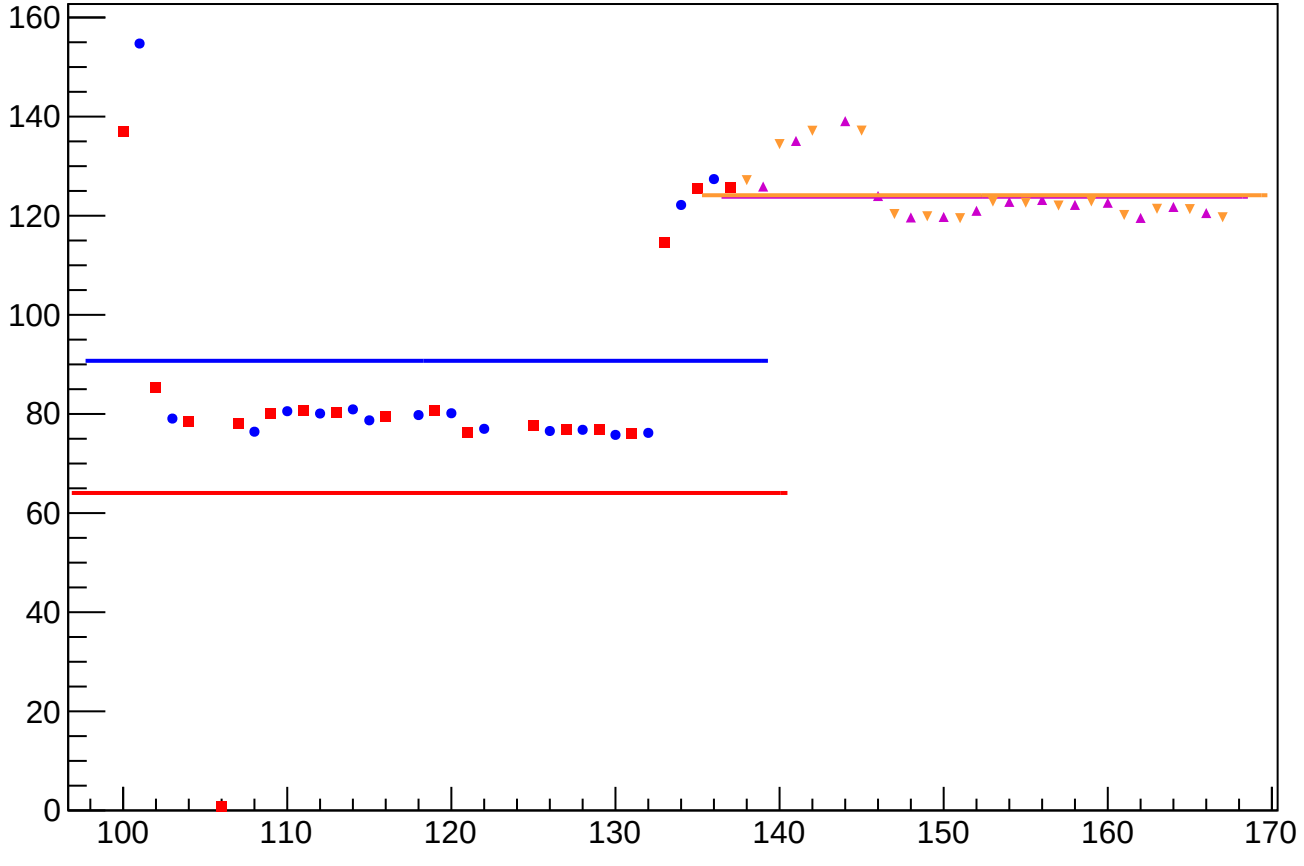
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -52.100+/-0.682 χ^2/NDF:719.9/29

Out: -50.254+/-0.664 χ^2/NDF:842.4/32

All: -51.152+/-0.476 χ^2/NDF: 1566.1/62

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 124.133+/-0.046 χ^2/NDF:16096.2/14

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 123.833+/-0.046 χ^2/NDF:13891.4/13

Left: 123.983+/-0.033 χ^2/NDF: 30008.5/28

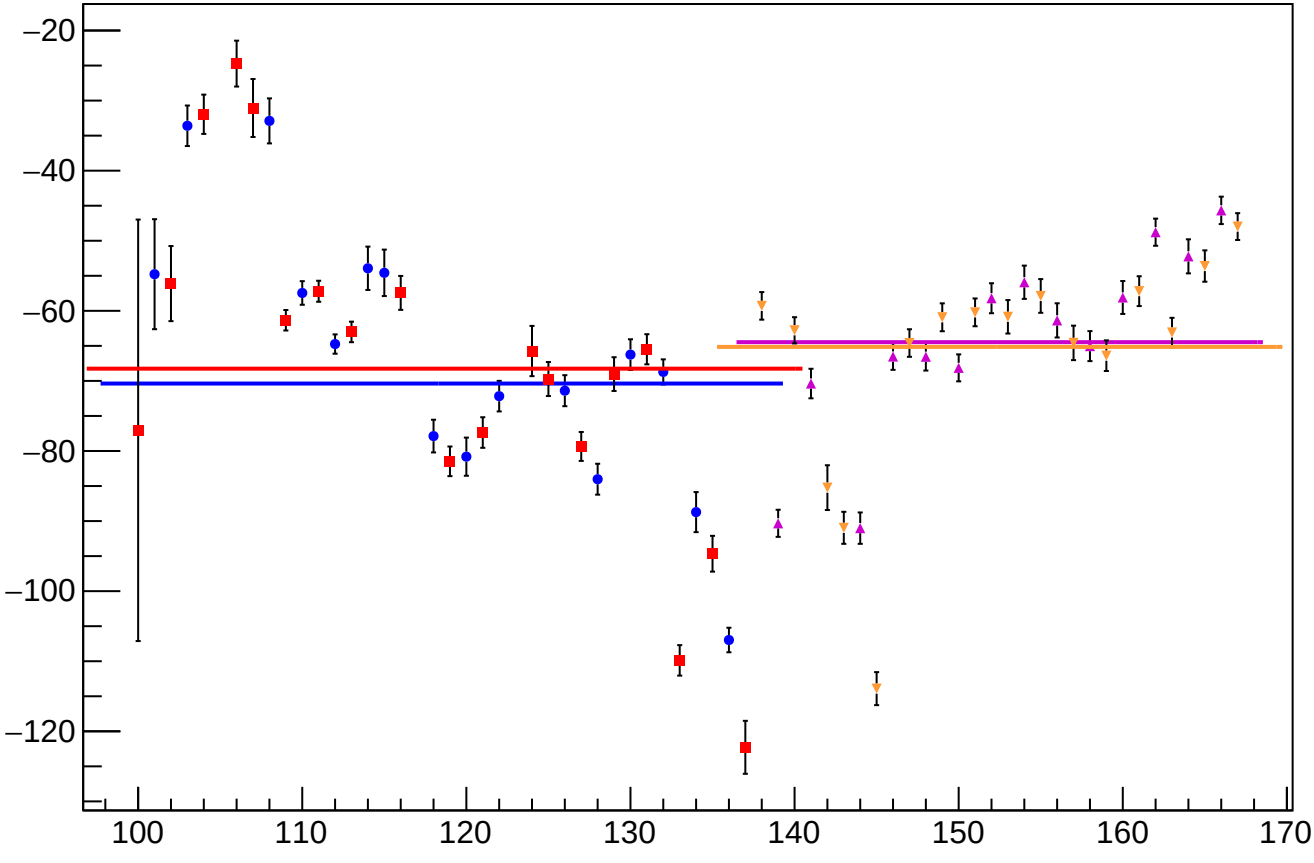
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 111.013+/-0.036 χ^2/NDF:371410.8/29

Out: 95.890+/-0.034 χ^2/NDF:1463921.6/32

All: 102.893+/-0.025 χ^2/NDF: 1928038.9/62

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -65.147+/-0.540 χ^2/NDF:751.6/15

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -64.470+/-0.563 χ^2/NDF:547.0/13

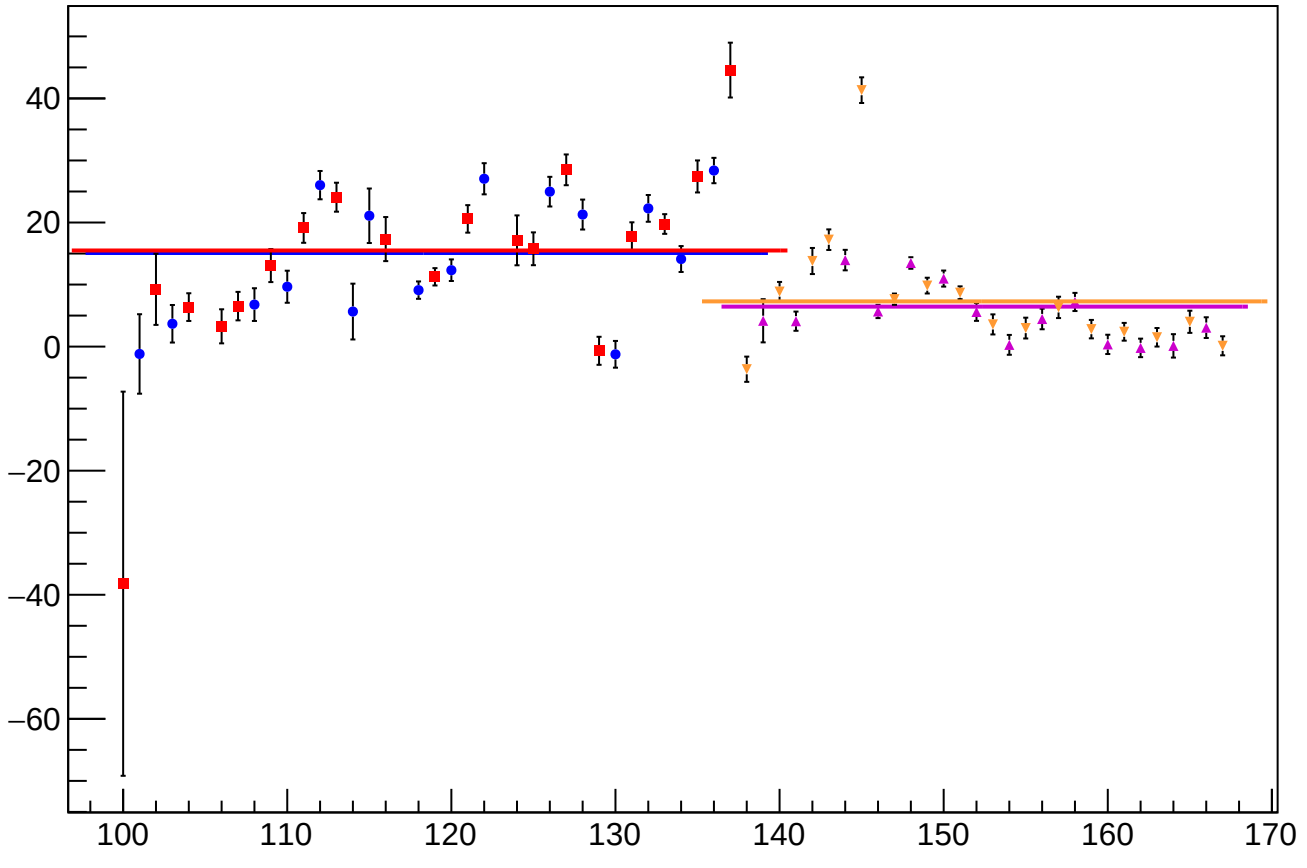
Left: -64.822+/-0.390 χ^2/NDF: 1299.3/29

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -67.449+/-0.396 χ^2/NDF:1577.4/29

Out: -66.739+/-0.377 χ^2/NDF:2074.5/34

All: -67.077+/-0.273 χ^2/NDF: 3653.6/64



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.289+/-0.366 χ^2/NDF:425.3/15

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.444+/-0.386 χ^2/NDF:160.4/13

Left: 6.889+/-0.266 χ^2/NDF: 588.2/29

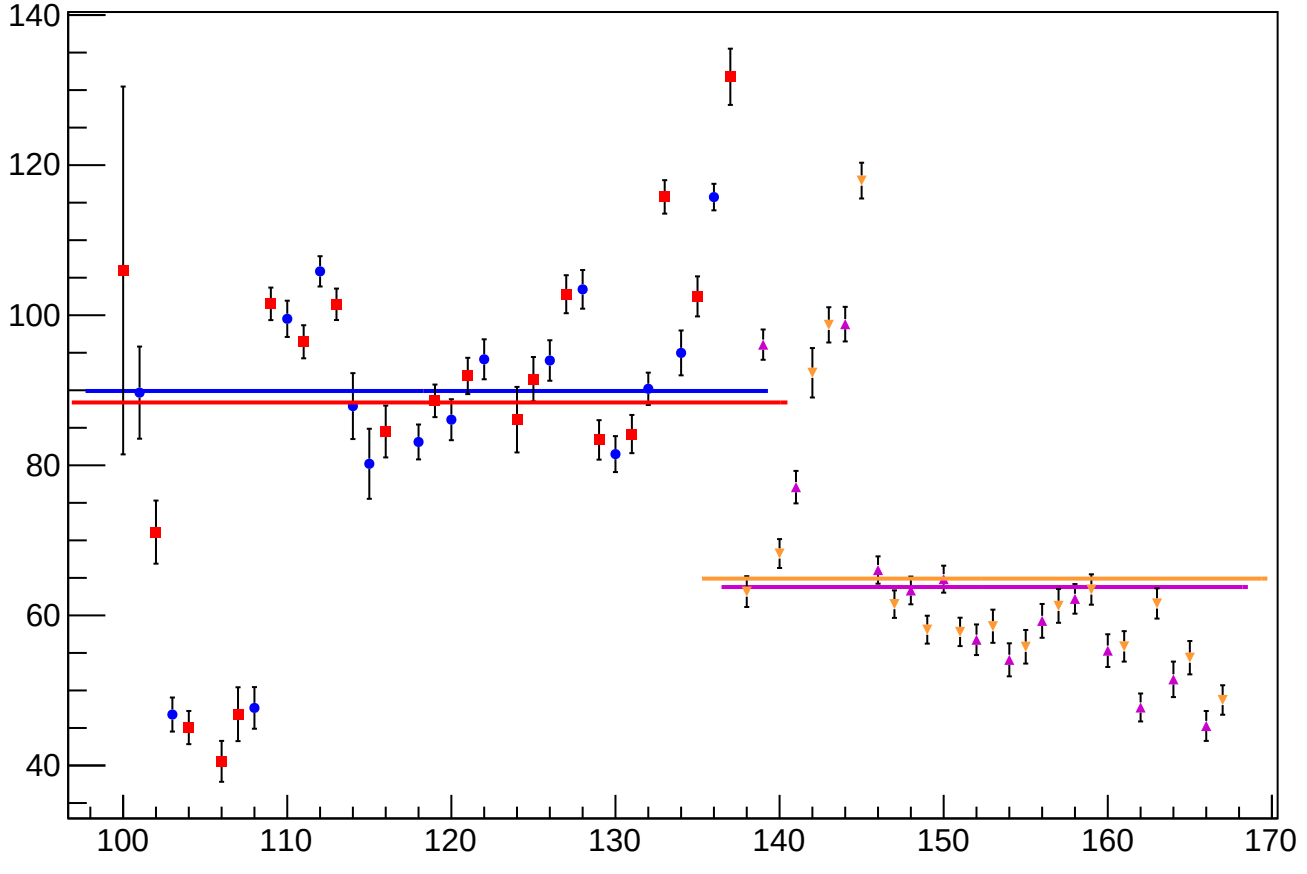
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 9.097+/-0.322 χ^2/NDF:556.5/29

Out: 9.757+/-0.306 χ^2/NDF:815.5/34

All: 9.443+/-0.222 χ^2/NDF: 1374.2/64

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 64.905+/-0.526 χ^2/NDF:947.0/15

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 63.782+/-0.544 χ^2/NDF:766.0/13

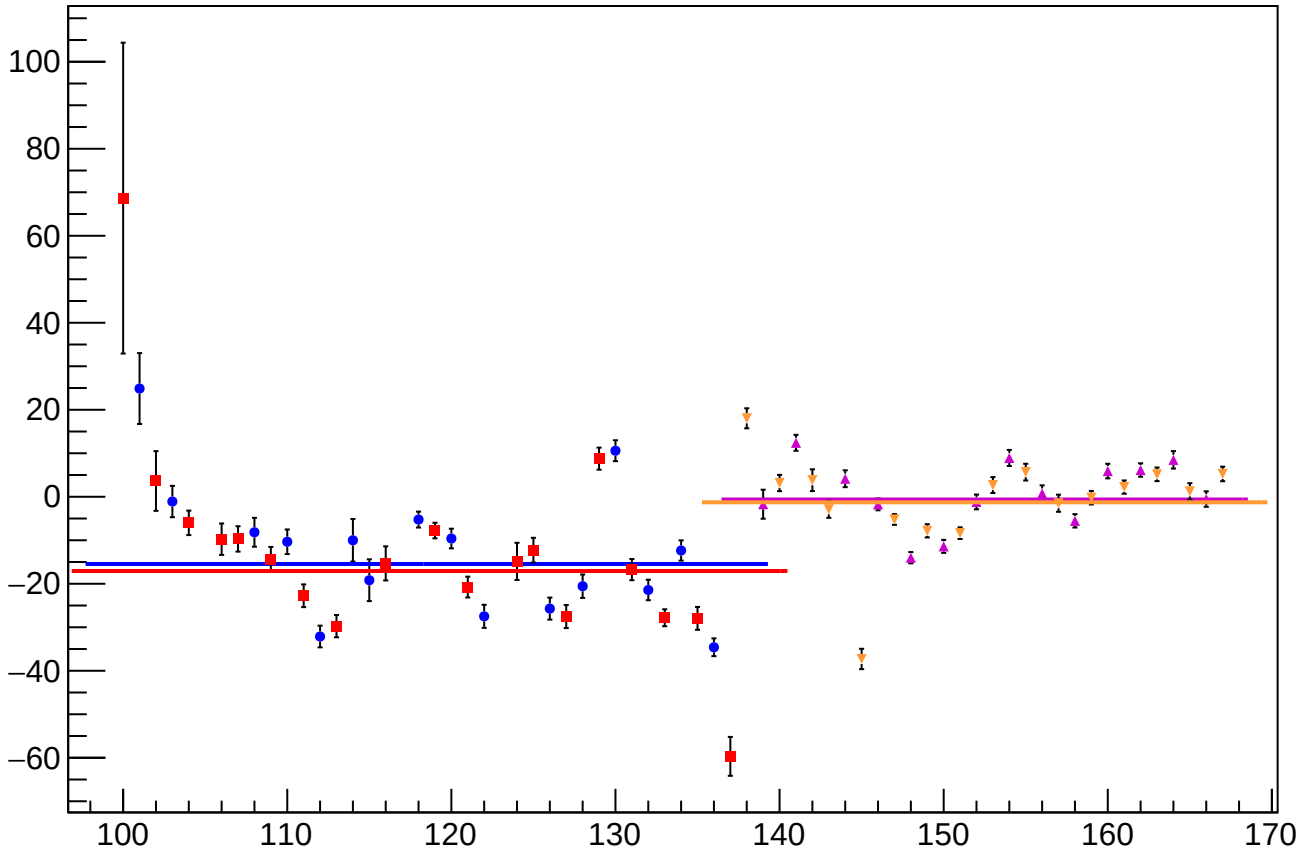
Left: 64.363+/-0.378 χ^2/NDF: 1715.1/29

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 74.723+/-0.415 χ^2/NDF:2680.1/29

Out: 74.769+/-0.400 χ^2/NDF:3073.5/34

All: 74.747+/-0.288 χ^2/NDF: 5753.6/64



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.269+/-0.429 χ^2/NDF:431.2/15

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.628+/-0.451 χ^2/NDF:308.1/13

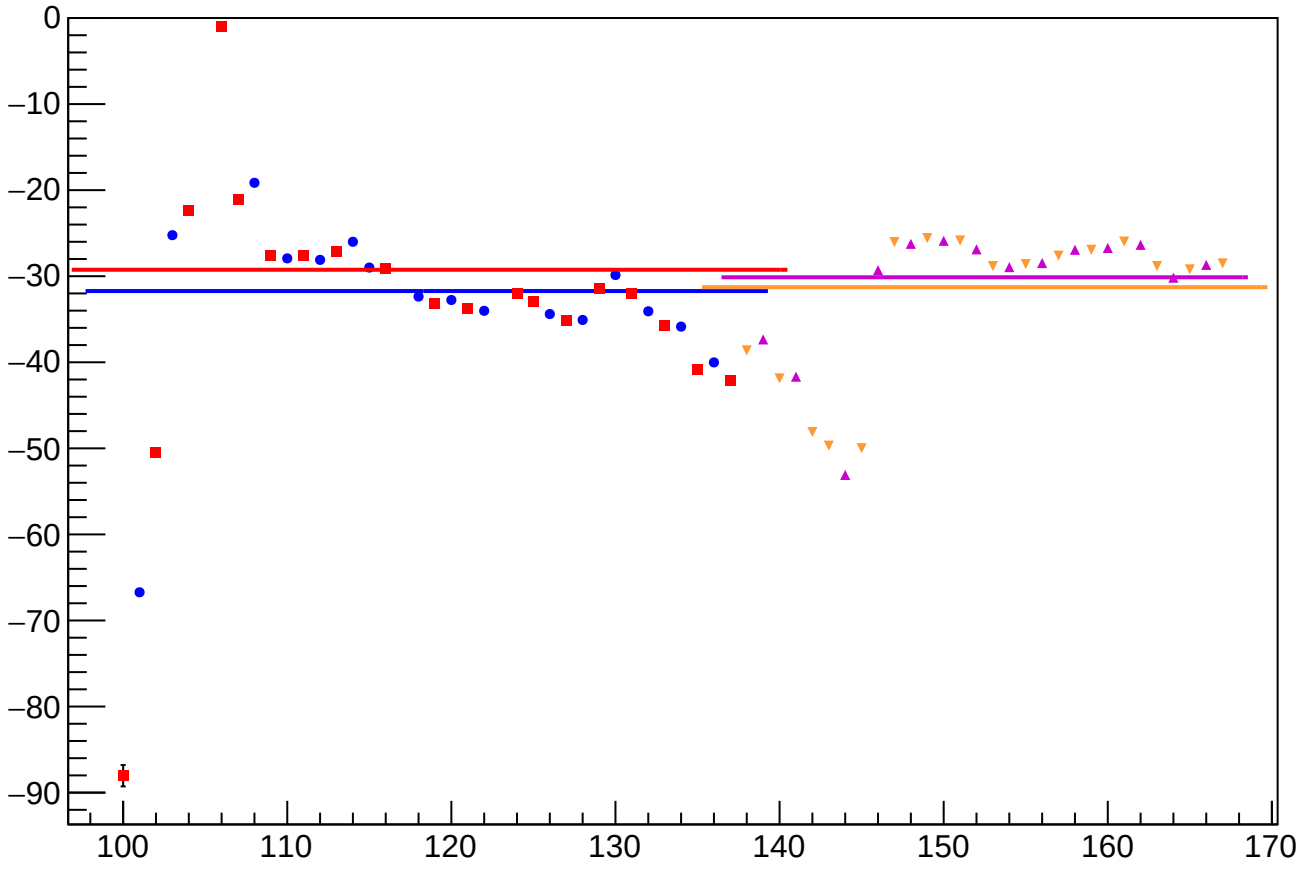
Left: -0.964+/-0.311 χ^2/NDF: 740.3/29

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -5.294+/-0.373 χ^2/NDF:1034.7/29

Out: -6.130+/-0.357 χ^2/NDF:1209.2/34

All: -5.731+/-0.258 χ^2/NDF: 2246.5/64



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.276+/-0.020 χ^2/NDF:146560.8/15

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -30.122+/-0.021 χ^2/NDF:93038.1/13

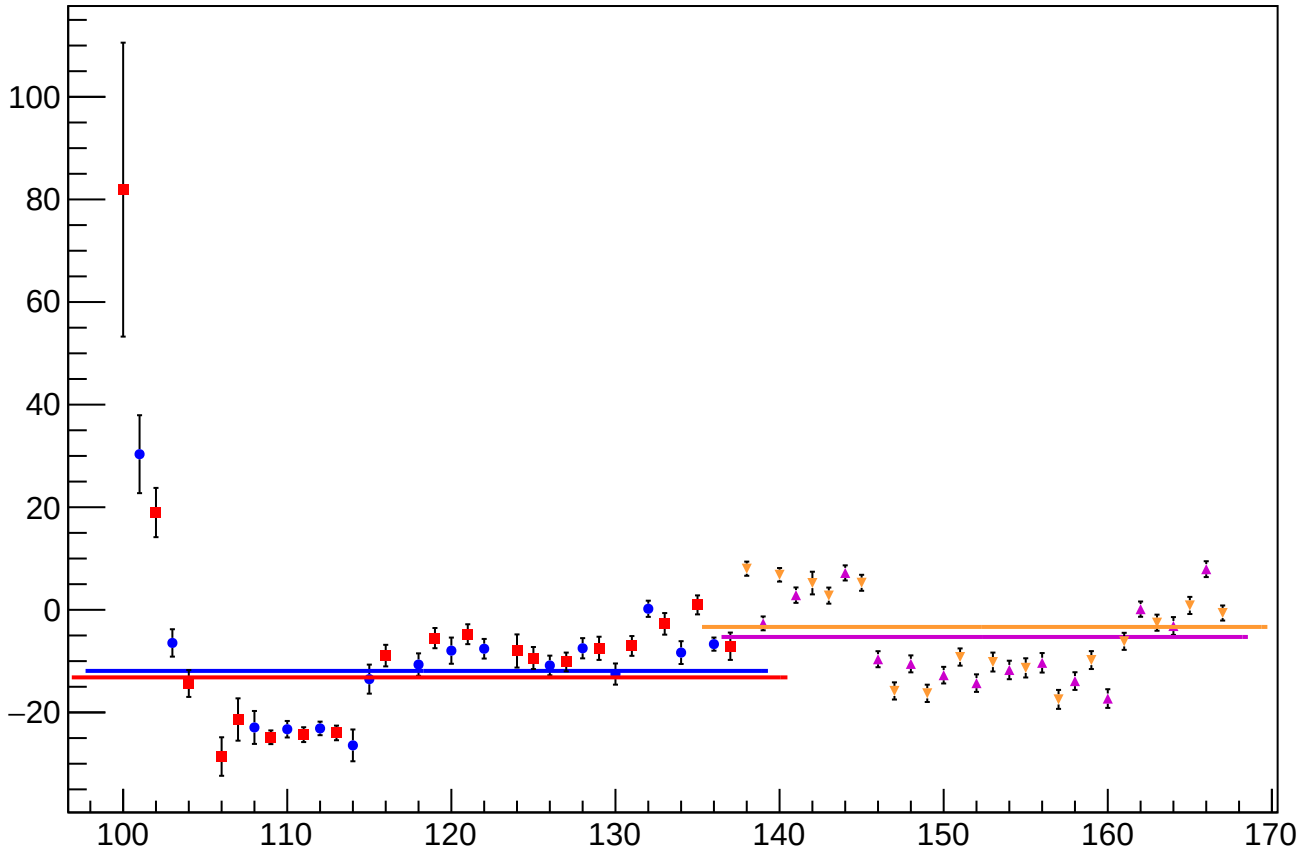
Left: -30.717+/-0.014 χ^2/NDF: 241226.9/29

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

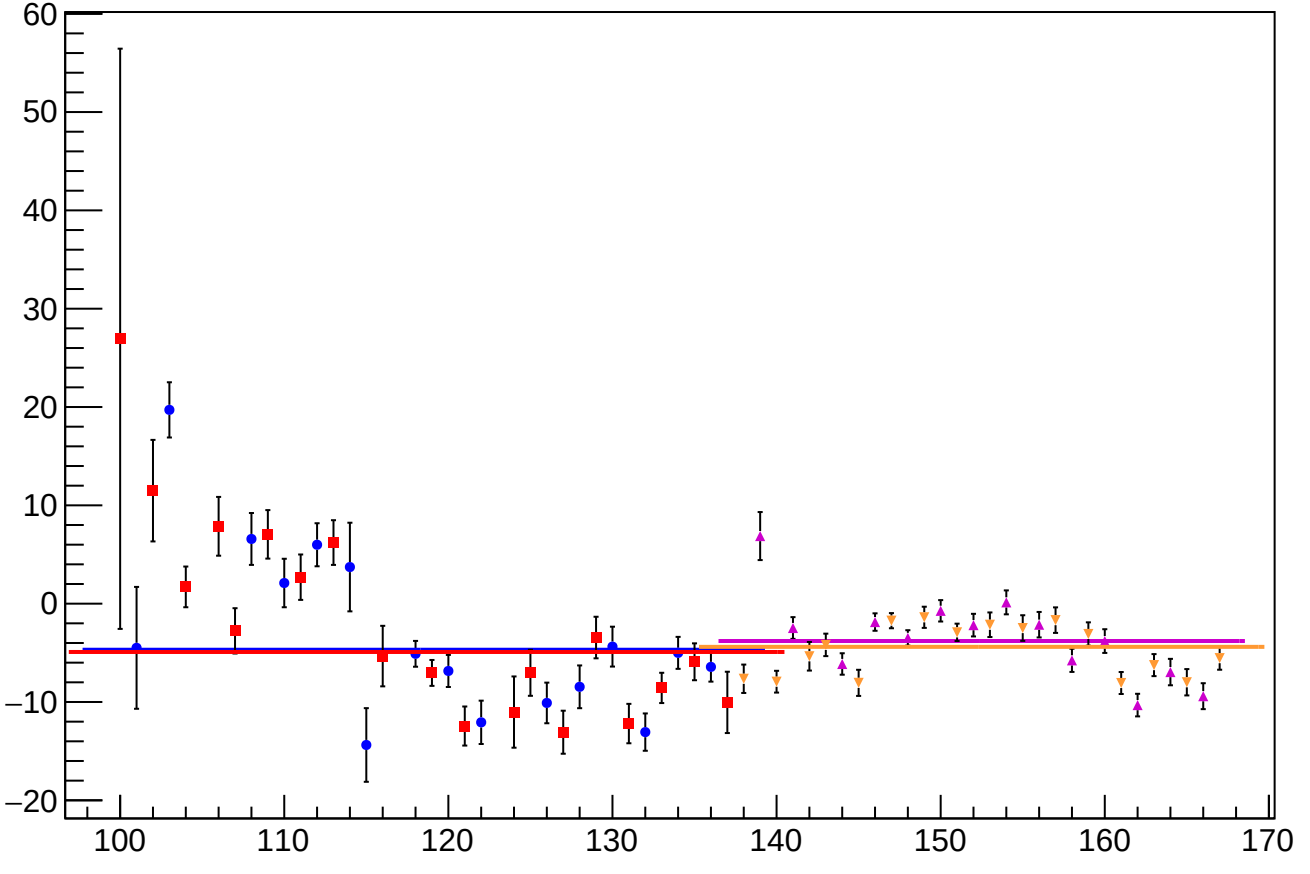
In: -30.477+/-0.018 χ^2/NDF:134022.6/29

Out: -30.847+/-0.018 χ^2/NDF:243988.2/34

All: -30.667+/-0.013 χ^2/NDF: 378225.1/64


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: -3.336+/-0.409 χ²/NDF:430.8/15
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -5.289+/-0.431 χ²/NDF:347.7/13
Left: -4.261+/-0.297 χ²/NDF: 789.2/29
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -8.135+/-0.326 χ²/NDF:730.9/29
Out: -7.473+/-0.311 χ²/NDF:1095.3/34
All: -7.789+/-0.225 χ²/NDF: 1828.3/64

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.393+/-0.285 χ^2/NDF:78.6/15

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -3.798+/-0.303 χ^2/NDF:110.6/13

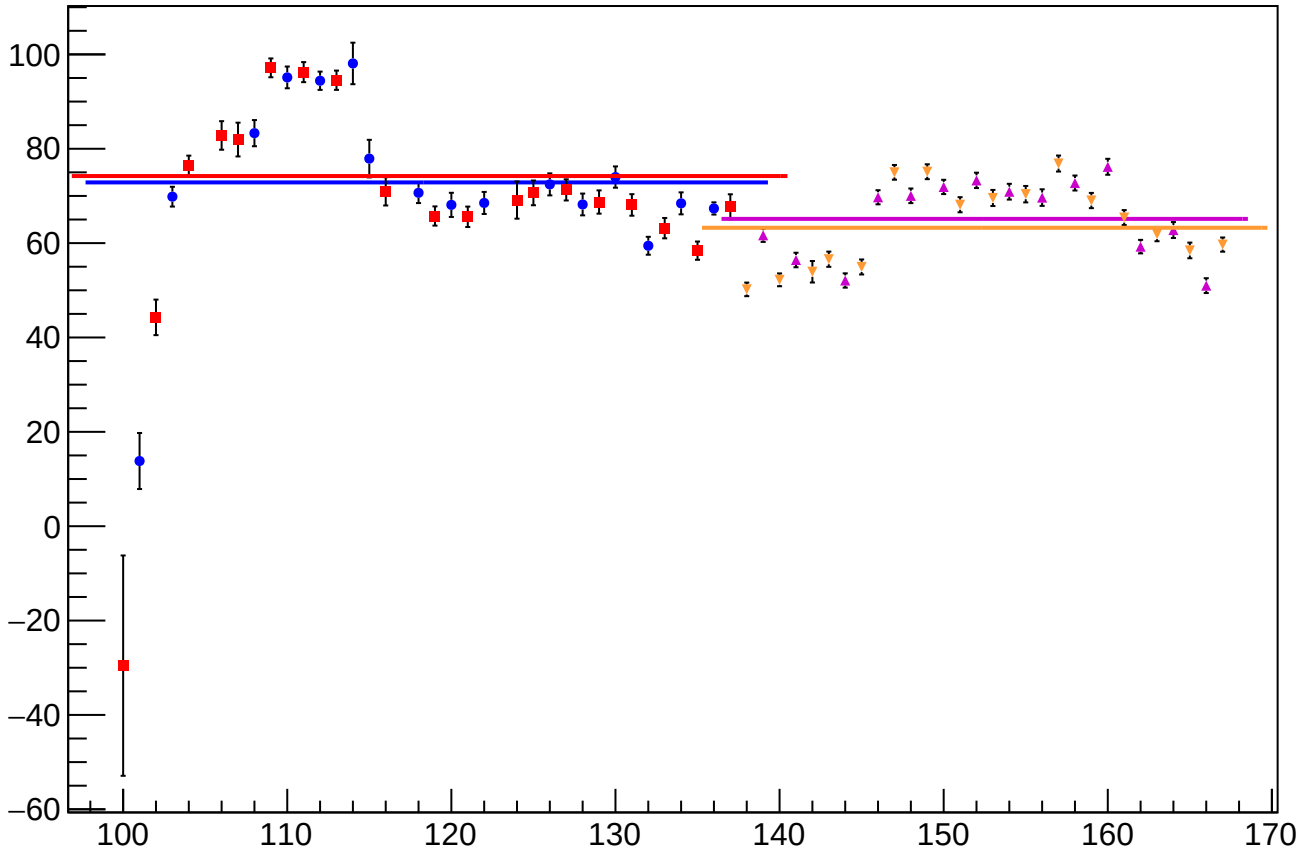
Left: -4.114+/-0.207 χ^2/NDF: 191.3/29

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.025+/-0.261 χ^2/NDF:291.8/29

Out: -4.516+/-0.249 χ^2/NDF:235.3/34

All: -4.282+/-0.180 χ^2/NDF: 528.9/64



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.257+/-0.400 χ^2/NDF:455.8/15

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 65.138+/-0.419 χ^2/NDF:360.0/13

Left: 64.155+/-0.289 χ^2/NDF: 826.4/29

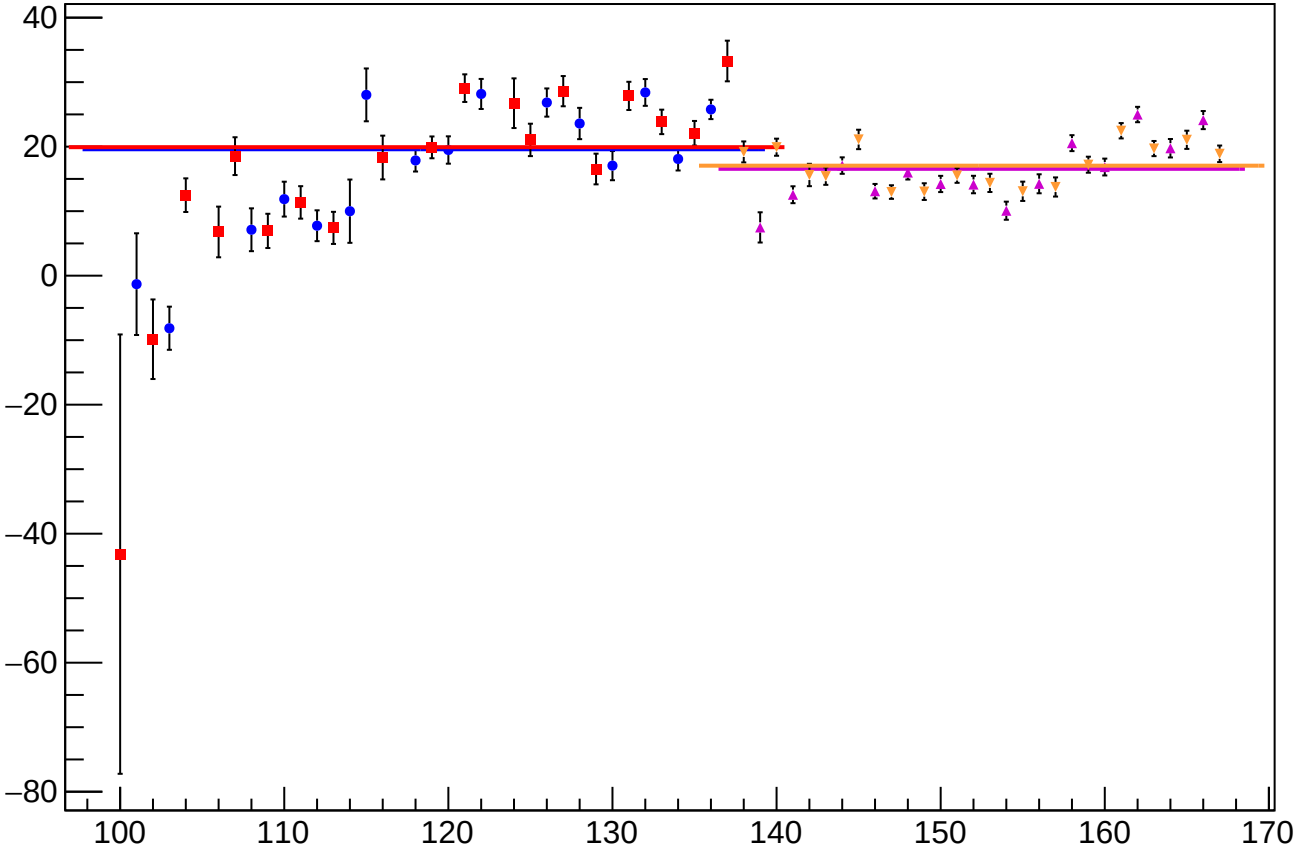
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 67.876+/-0.336 χ^2/NDF:931.4/29

Out: 66.944+/-0.326 χ^2/NDF:1294.1/34

All: 67.395+/-0.234 χ^2/NDF: 2229.5/64

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.051+/-0.331 χ^2/NDF:93.7/15

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 16.563+/-0.351 χ^2/NDF:159.2/13

Left: 16.822+/-0.241 χ^2/NDF: 253.9/29

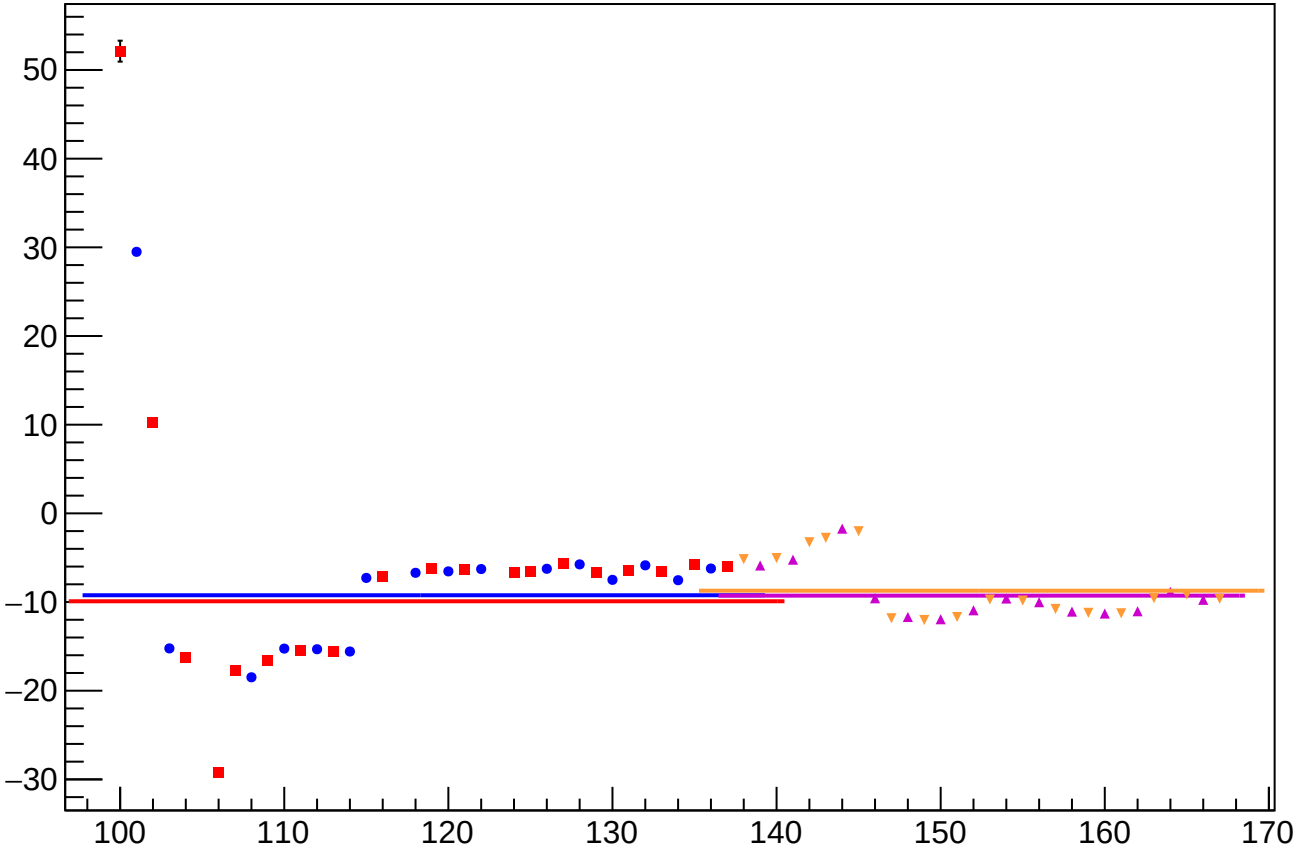
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.367+/-0.301 χ^2/NDF:374.9/29

Out: 17.747+/-0.288 χ^2/NDF:293.3/34

All: 17.565+/-0.208 χ^2/NDF: 669.0/64

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.721+/-0.015 χ^2/NDF:43910.7/15

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.278+/-0.016 χ^2/NDF:28930.7/13

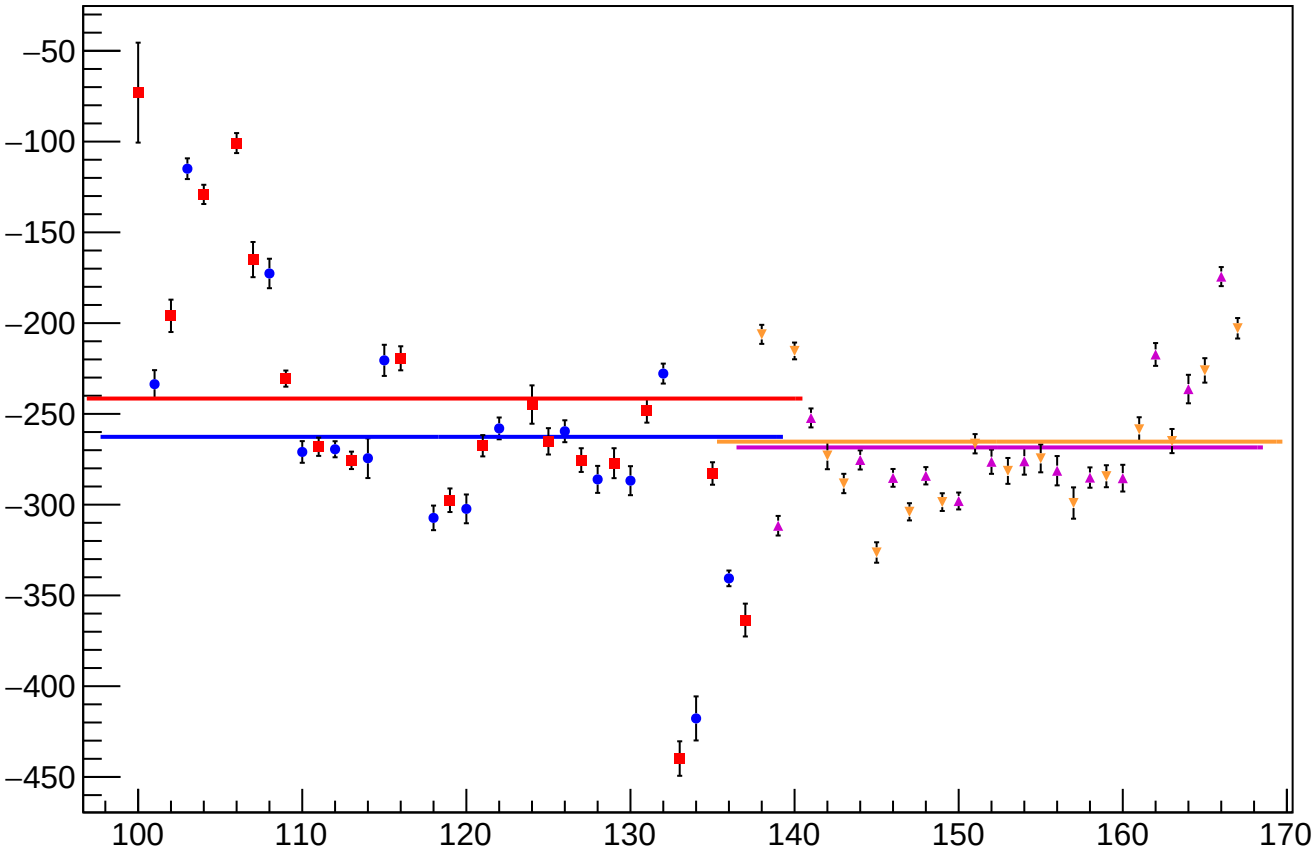
Left: -8.988+/-0.011 χ^2/NDF: 73489.4/29

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.270+/-0.014 χ^2/NDF:60091.3/29

Out: -8.914+/-0.014 χ^2/NDF:98777.9/34

All: -9.088+/-0.010 χ^2/NDF: 159189.3/64



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -265.288+/-1.466 χ^2/NDF:684.0/15

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -268.473+/-1.538 χ^2/NDF:561.2/13

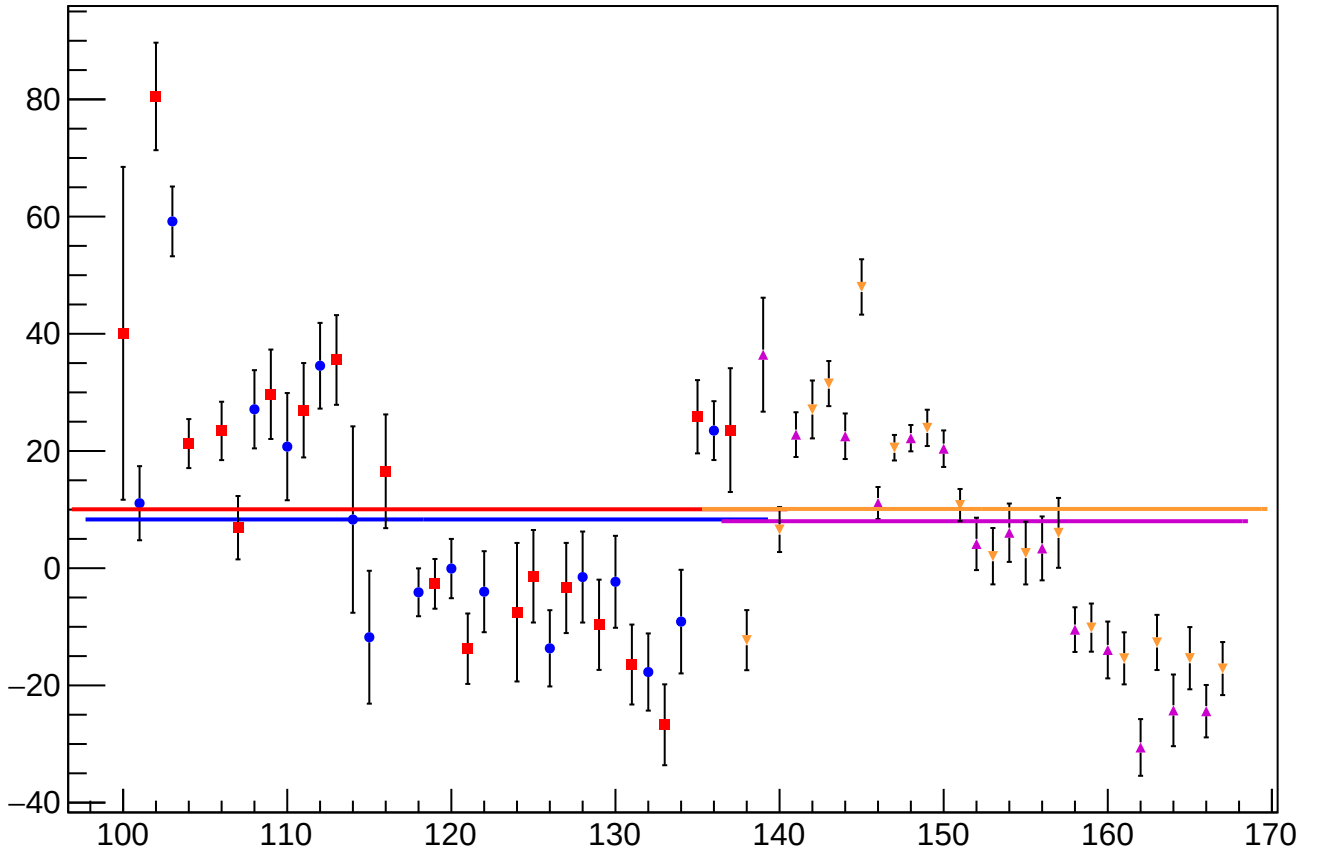
Left: -266.804+/-1.061 χ^2/NDF: 1247.4/29

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -265.698+/-1.113 χ^2/NDF:2022.3/29

Out: -253.741+/-1.050 χ^2/NDF:2950.1/34

All: -259.371+/-0.764 χ^2/NDF: 5033.4/64



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 10.111+/-0.975 χ^2/NDF:315.0/15

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 8.019+/-1.034 χ^2/NDF:284.1/13

Left: 9.127+/-0.709 χ^2/NDF: 601.3/29

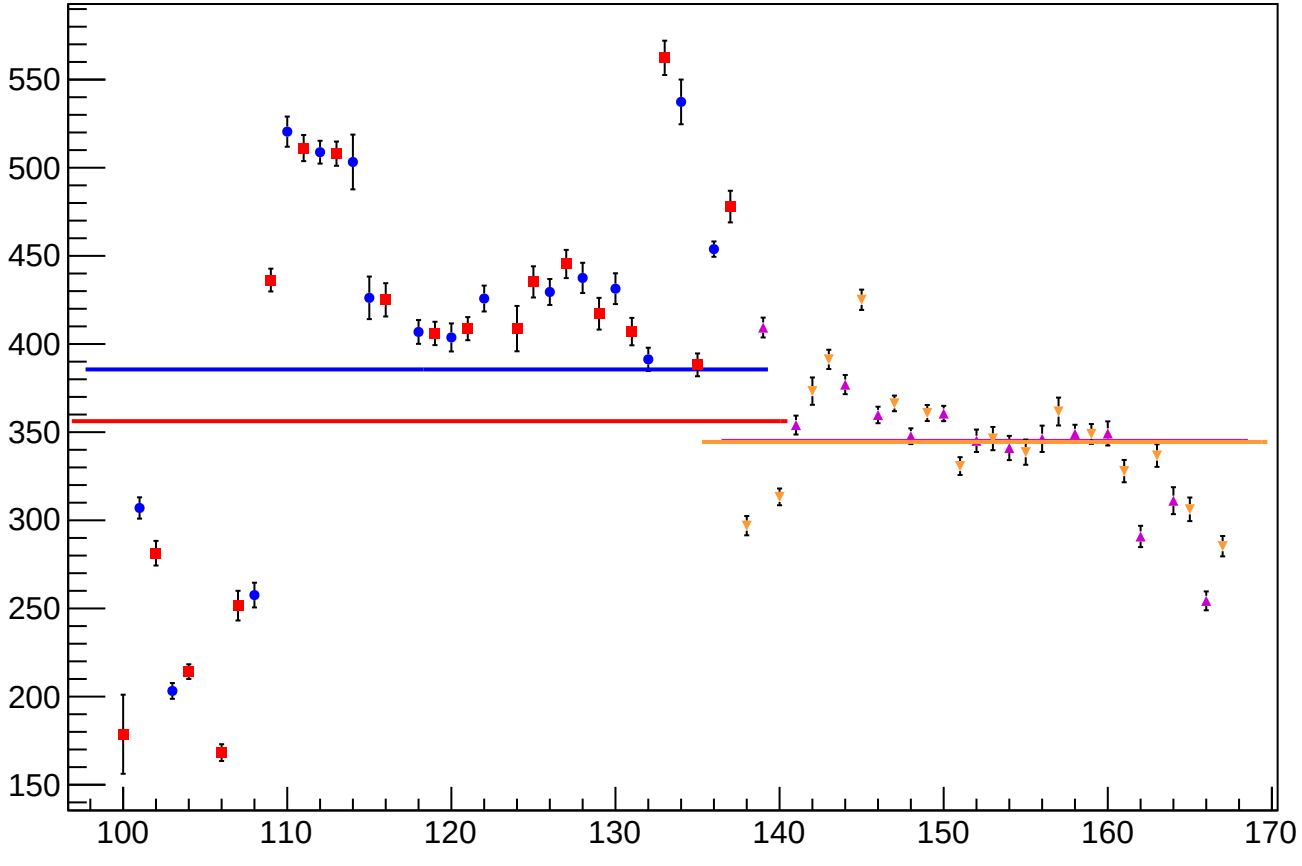
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 8.105+/-0.875 χ^2/NDF:441.8/29

Out: 10.094+/-0.824 χ^2/NDF:502.5/34

All: 9.160+/-0.600 χ^2/NDF: 946.9/64

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 344.462+/-1.431 χ^2/NDF:597.8/15

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 345.037+/-1.489 χ^2/NDF:579.6/13

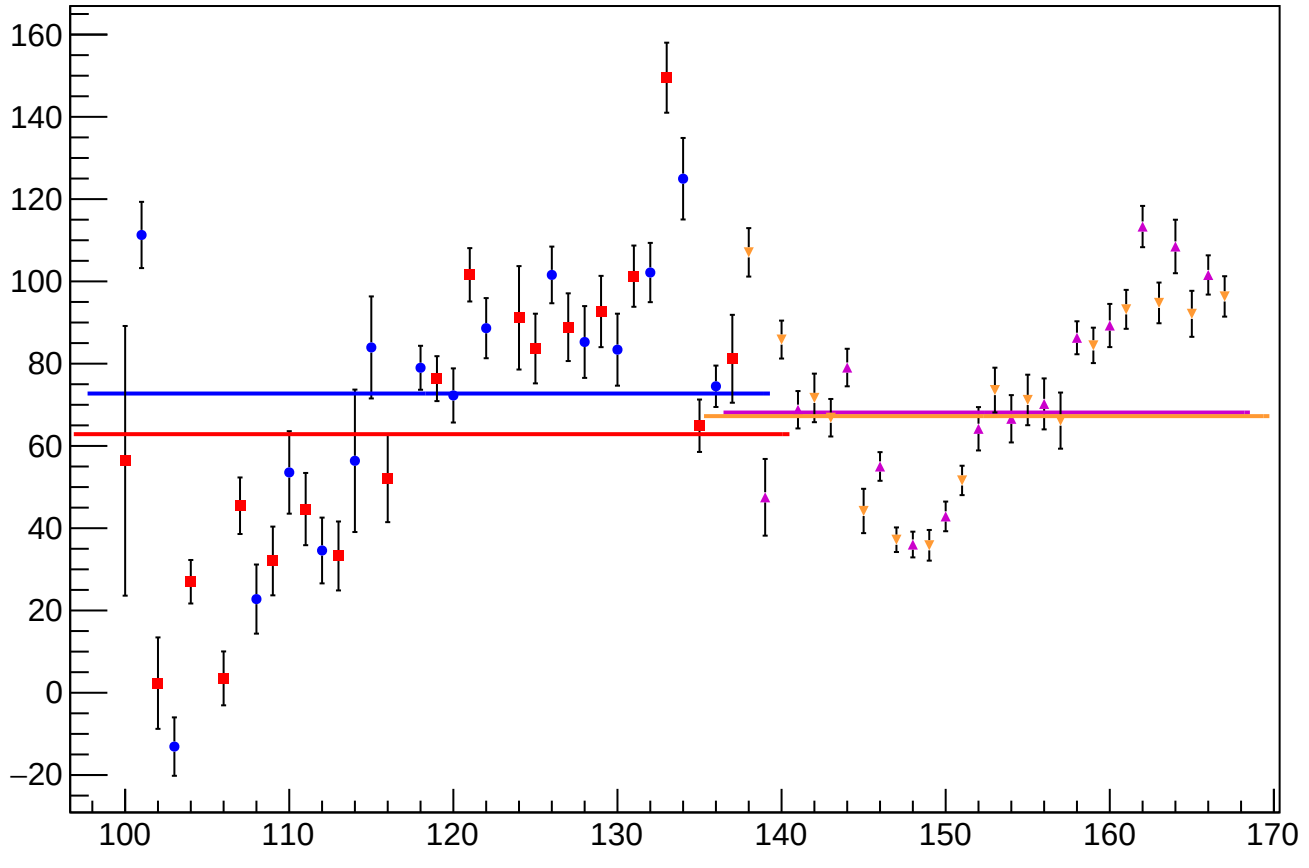
Left: 344.738+/-1.032 χ^2/NDF: 1177.4/29

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 362.157+/-1.132 χ^2/NDF:4265.7/29

Out: 349.533+/-1.080 χ^2/NDF:5897.2/34

All: 355.549+/-0.781 χ^2/NDF: 10228.0/64



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 67.245+/-1.159 χ^2/NDF:405.6/15

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 68.122+/-1.224 χ^2/NDF:385.5/13

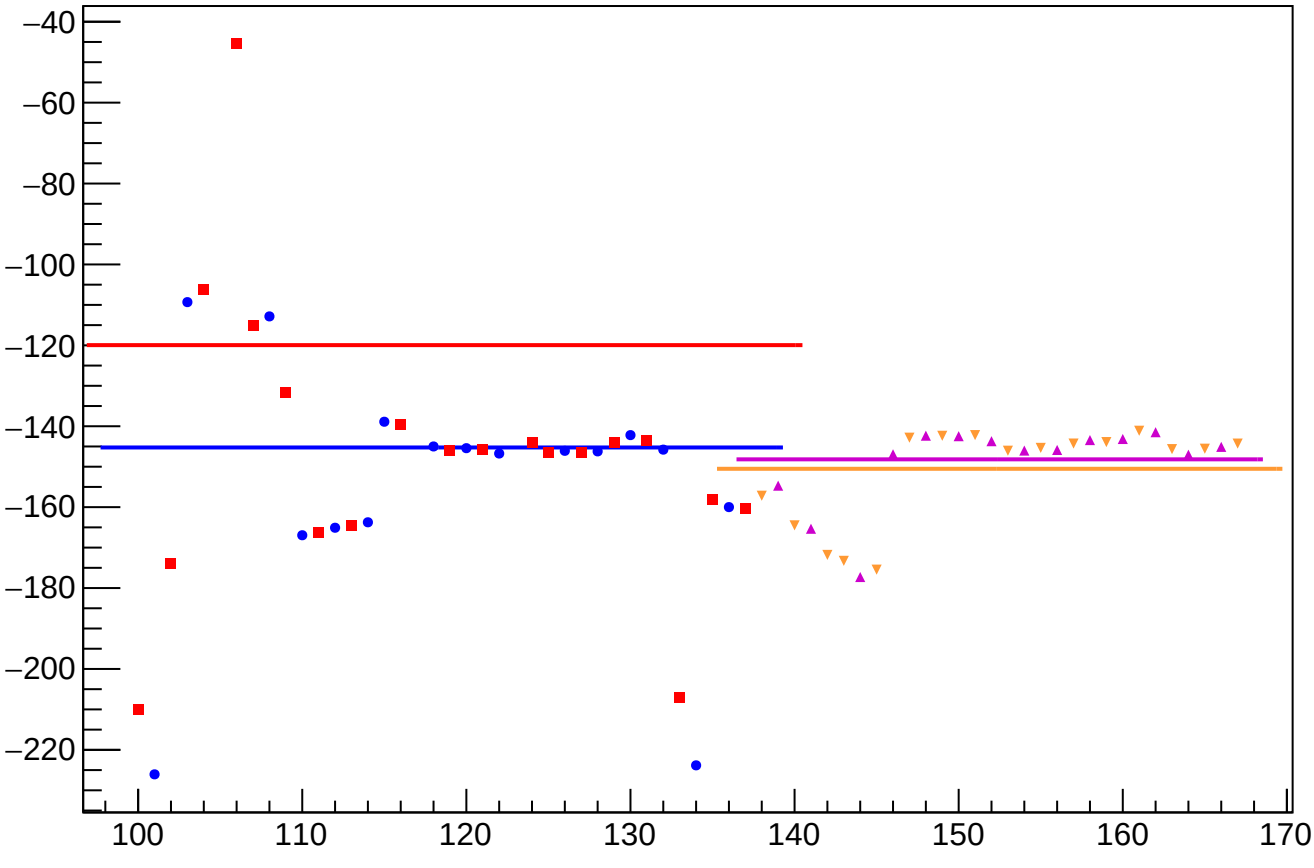
Left: 67.660+/-0.842 χ^2/NDF: 791.3/29

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 69.479+/-1.028 χ^2/NDF:694.0/29

Out: 65.955+/-0.974 χ^2/NDF:813.4/34

All: 67.621+/-0.707 χ^2/NDF: 1513.6/64



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -150.517+/-0.056 χ^2/NDF:42747.5/15

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -148.181+/-0.057 χ^2/NDF:26396.7/13

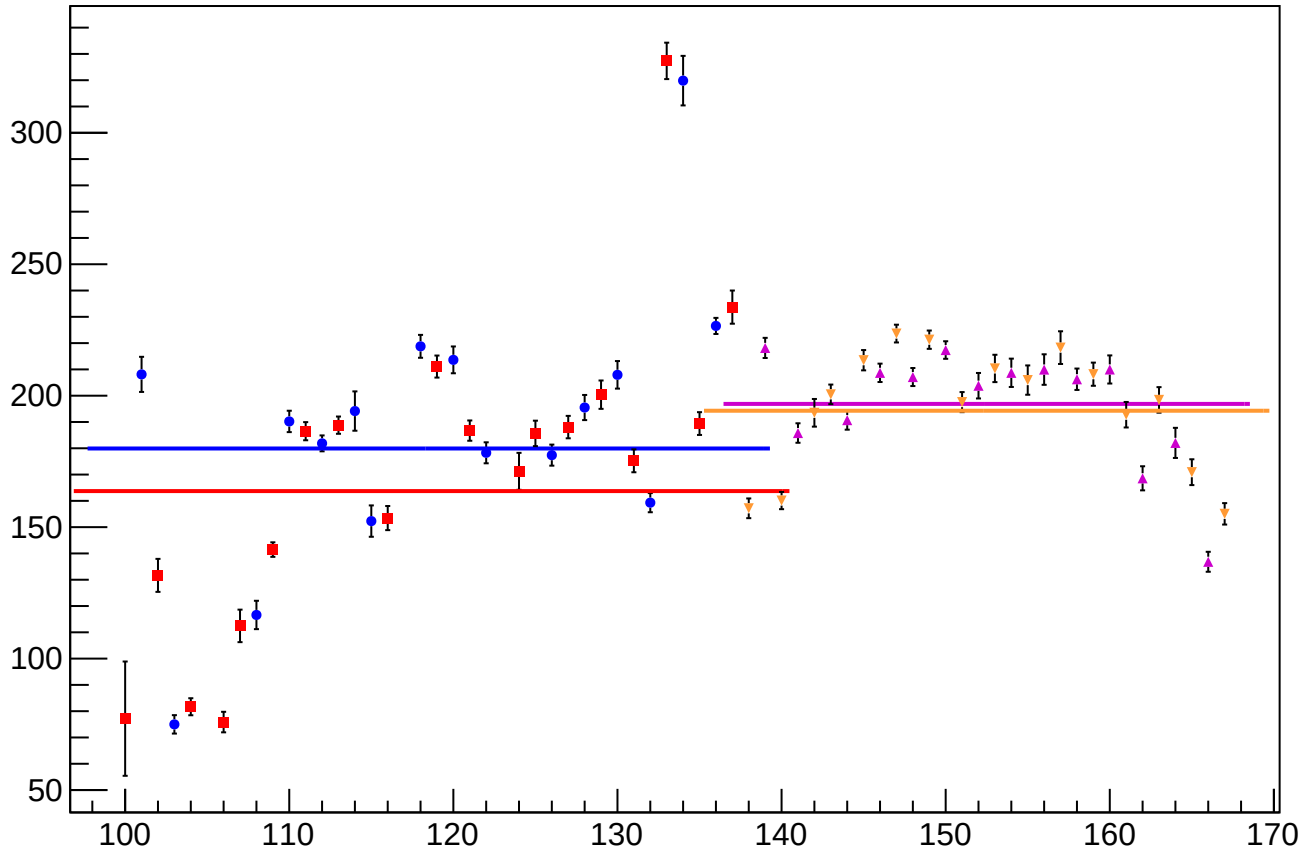
Left: -149.384+/-0.040 χ^2/NDF: 70002.9/29

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.439+/-0.049 χ^2/NDF:159119.5/29

Out: -141.949+/-0.047 χ^2/NDF:398073.1/34

All: -144.561+/-0.034 χ^2/NDF: 563655.6/64



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 194.280+/-1.048 χ^2/NDF:525.4/15

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 196.879+/-1.102 χ^2/NDF:418.9/13

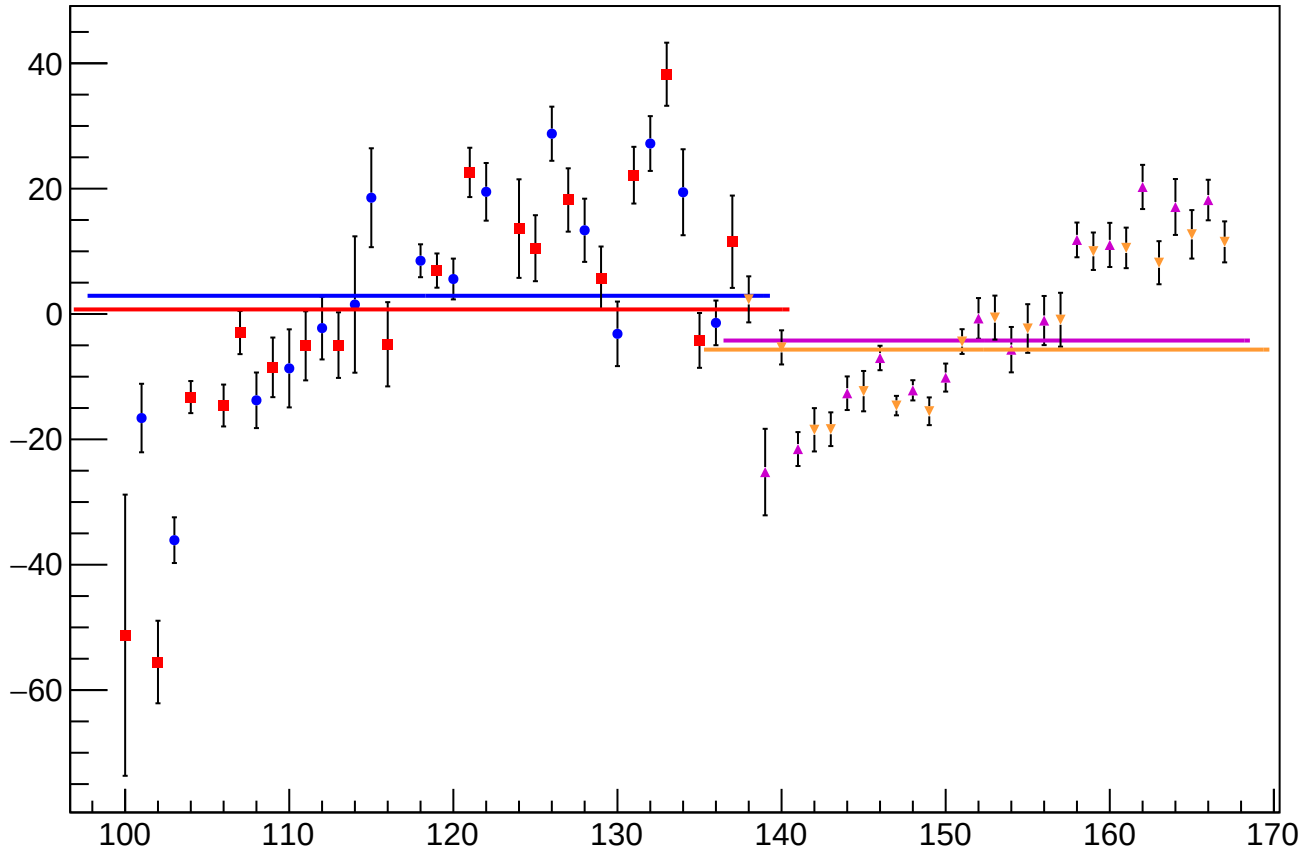
Left: 195.513+/-0.759 χ^2/NDF: 947.3/29

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 188.292+/-0.775 χ^2/NDF:2271.5/29

Out: 178.301+/-0.724 χ^2/NDF:3387.2/34

All: 182.957+/-0.529 χ^2/NDF: 5747.5/64



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -5.679+/-0.697 χ^2/NDF:221.7/15

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -4.232+/-0.742 χ^2/NDF:266.7/13

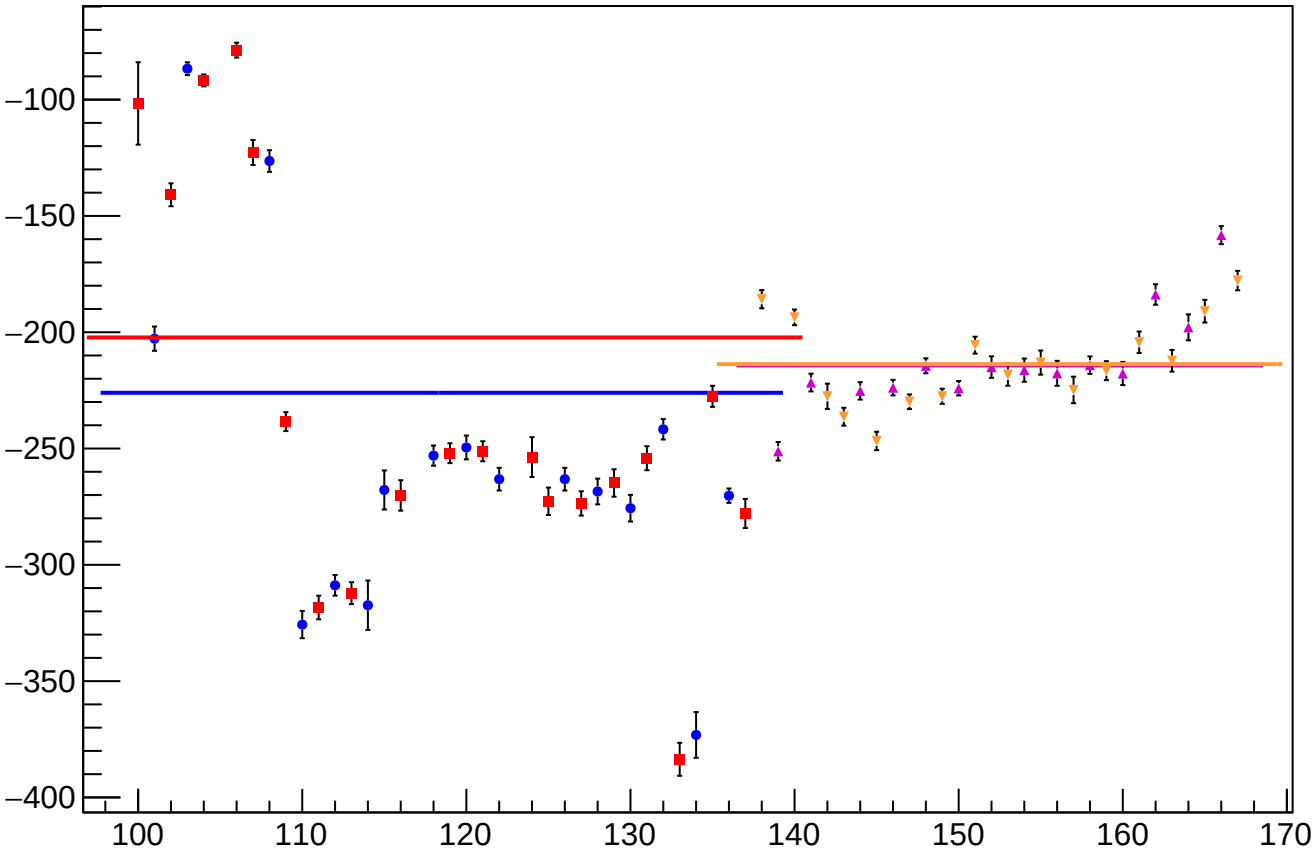
Left: -5.001+/-0.508 χ^2/NDF: 490.4/29

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -2.013+/-0.616 χ^2/NDF:543.0/29

Out: -3.617+/-0.574 χ^2/NDF:522.4/34

All: -2.871+/-0.420 χ^2/NDF: 1069.1/64



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -213.714+/-1.024 χ^2/NDF:352.0/15

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -214.286+/-1.068 χ^2/NDF:382.8/13

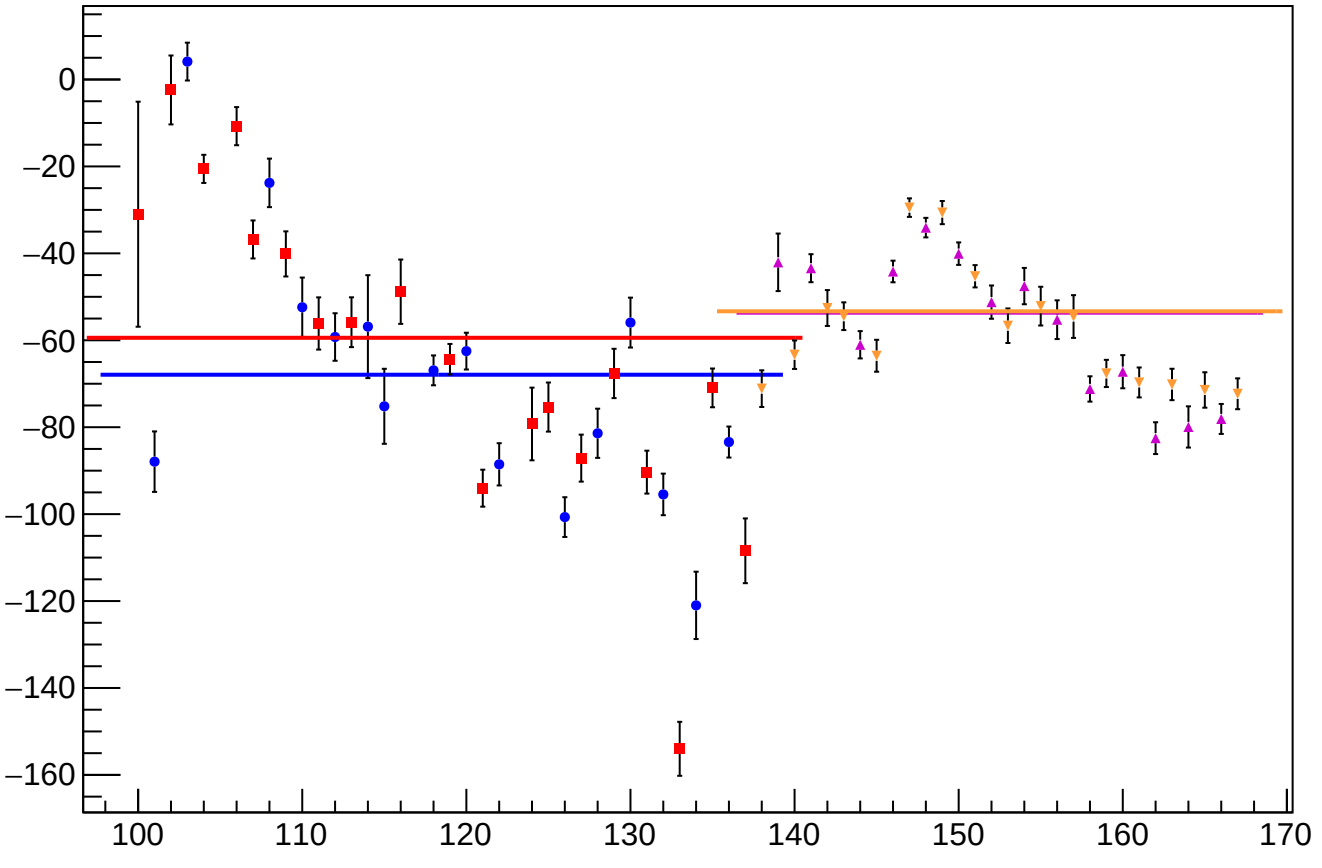
Left: -213.988+/-0.739 χ^2/NDF: 735.0/29

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -219.599+/-0.790 χ^2/NDF:4976.6/29

Out: -208.323+/-0.745 χ^2/NDF:7101.7/34

All: -213.631+/-0.542 χ^2/NDF: 12186.0/64



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -53.330+/-0.830 χ^2/NDF:357.4/15

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -53.653+/-0.879 χ^2/NDF:331.4/13

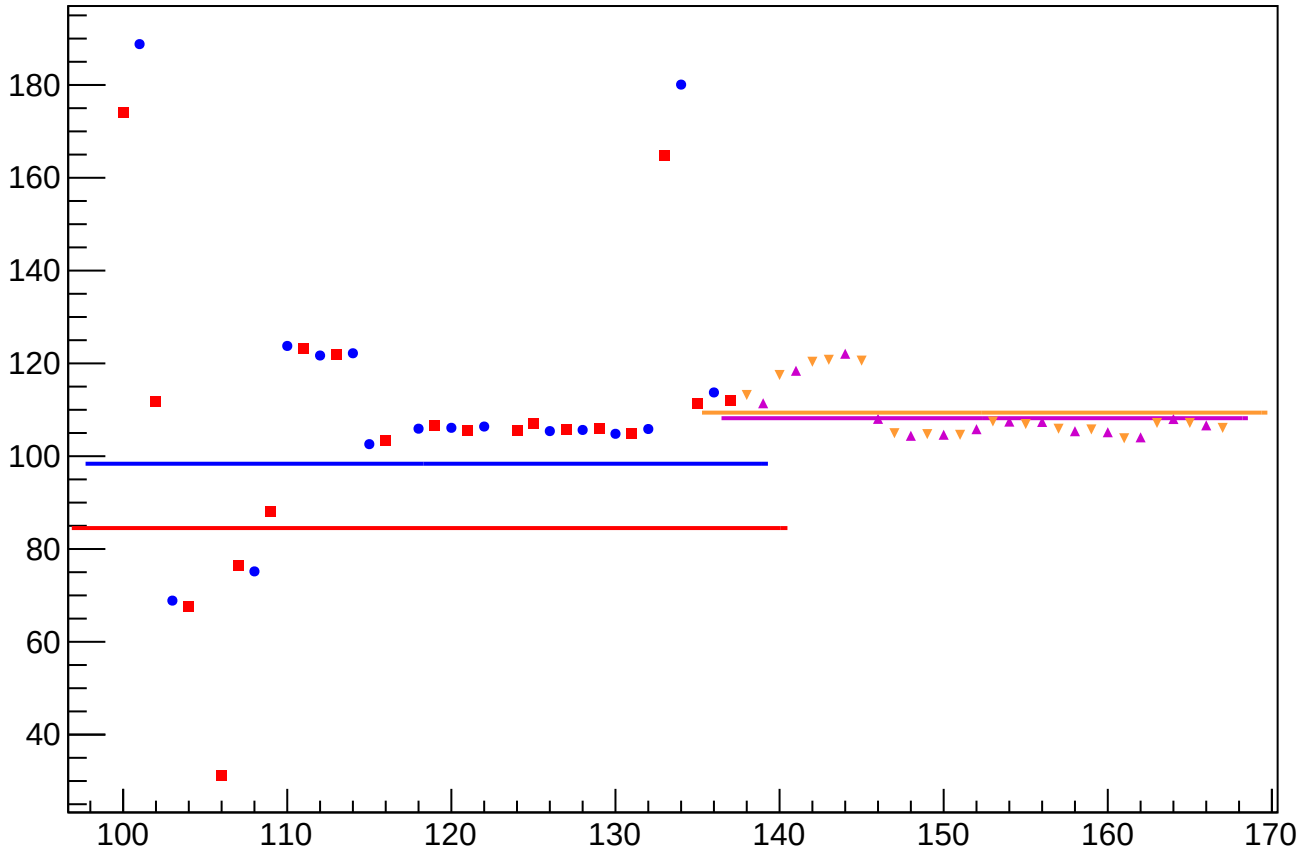
Left: -53.482+/-0.603 χ^2/NDF: 688.9/29

Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -58.234+/-0.724 χ^2/NDF:950.2/29

Out: -55.339+/-0.680 χ^2/NDF:1170.0/34

All: -56.695+/-0.496 χ^2/NDF: 2128.7/64



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 109.390+/-0.040 χ^2/NDF:22653.8/15

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.189+/-0.041 χ^2/NDF:15084.6/13

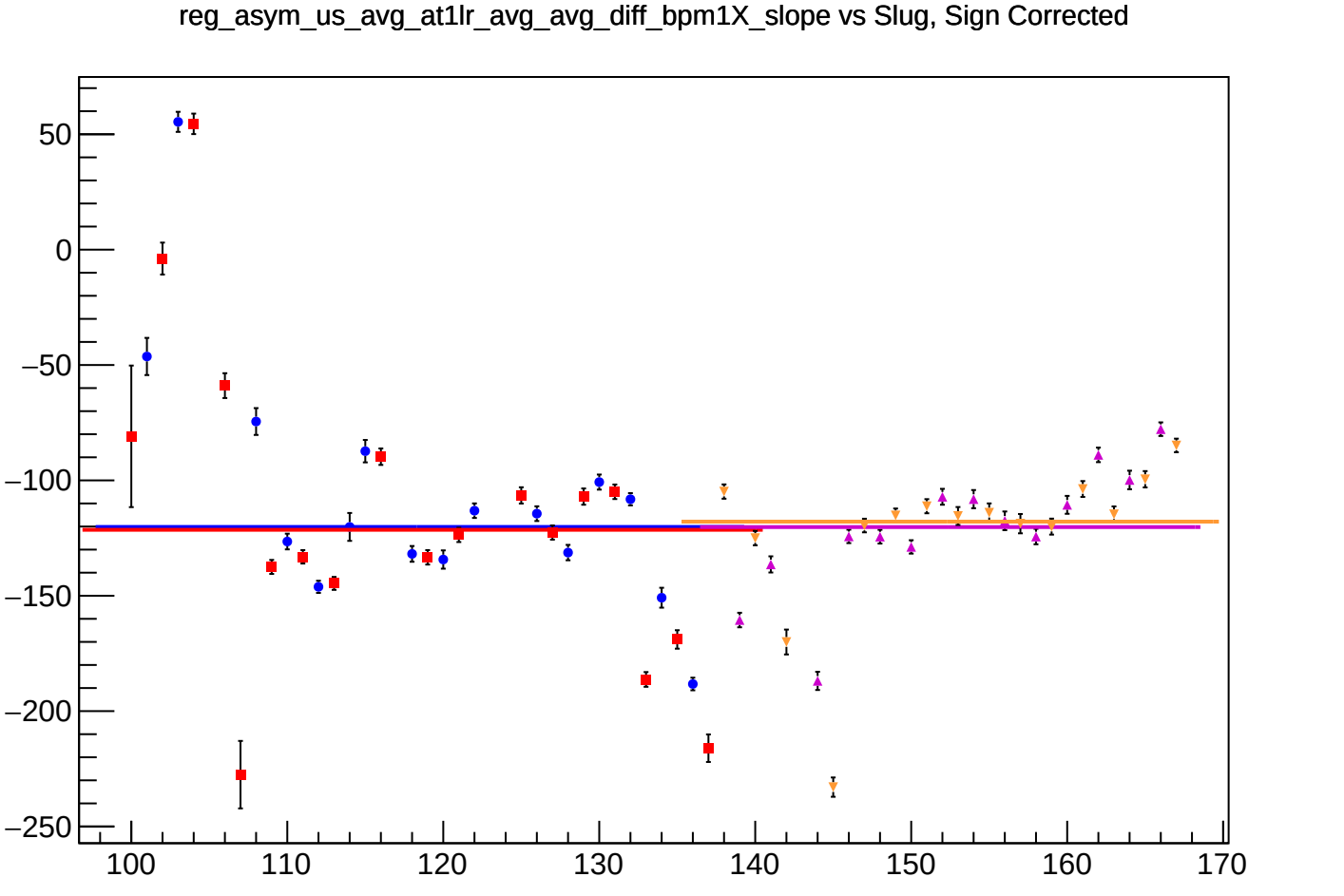
Left: 108.809+/-0.029 χ^2/NDF: 38178.9/29

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

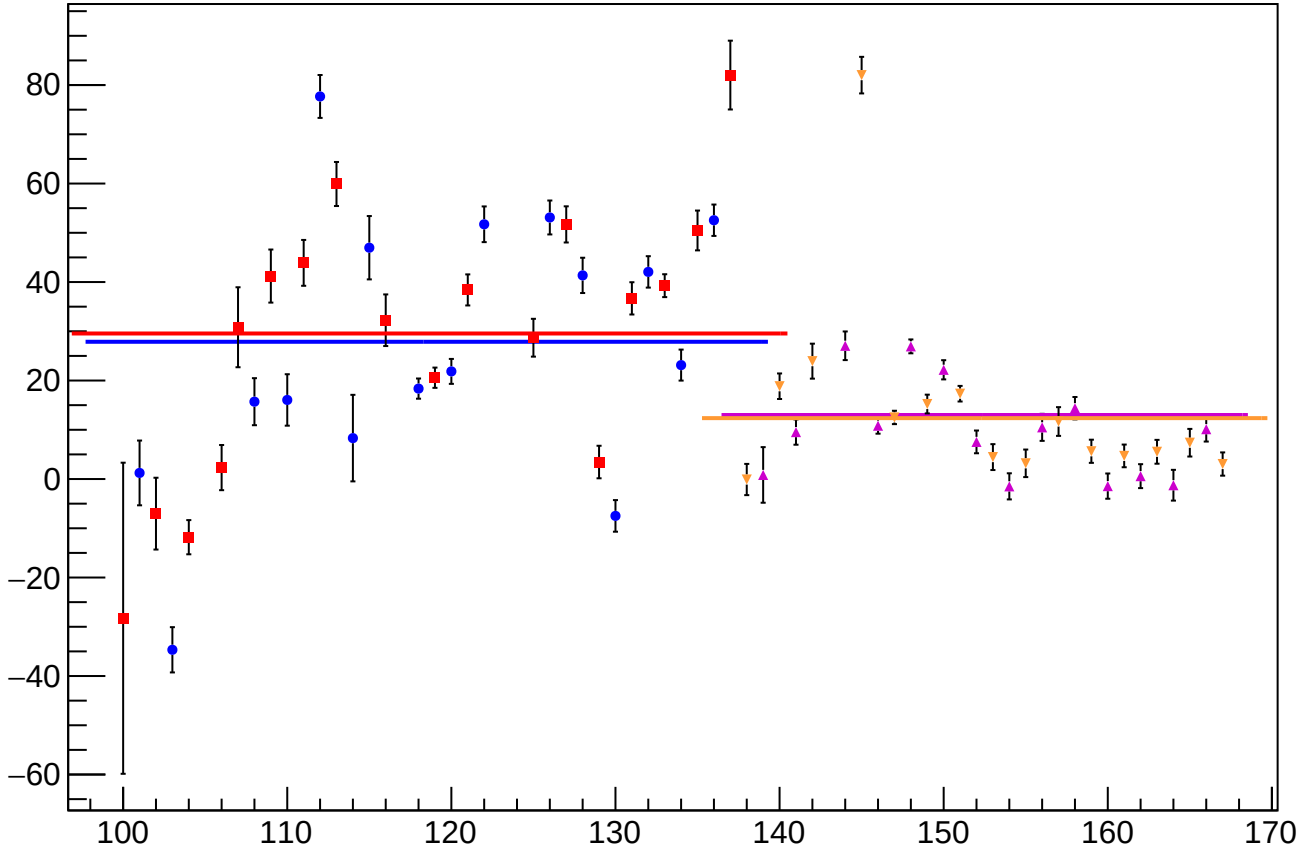
In: 105.450+/-0.035 χ^2/NDF:259417.6/29

Out: 101.899+/-0.033 χ^2/NDF:409231.9/34

All: 103.590+/-0.024 χ^2/NDF: 674076.1/64


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -120.177+/-0.891 χ²/NDF: 2691.2/15
Left Out: -117.874+/-0.888 χ²/NDF:1050.2/14
Right Out: -121.418+/-0.875 χ²/NDF: 3126.3/17
Left In: -120.235+/-0.898 χ²/NDF:846.1/13
Left: -119.041+/-0.631 χ²/NDF: 1899.7/28
Right: -120.808+/-0.624 χ²/NDF: 5818.5/33
In: -120.206+/-0.632 χ²/NDF:3537.3/29
Out: -119.672+/-0.623 χ²/NDF:4184.6/32
All: -119.935+/-0.444 χ²/NDF: 7722.2/62

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 12.366+/-0.592 χ^2/NDF:461.9/14

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.999+/-0.610 χ^2/NDF:268.2/13

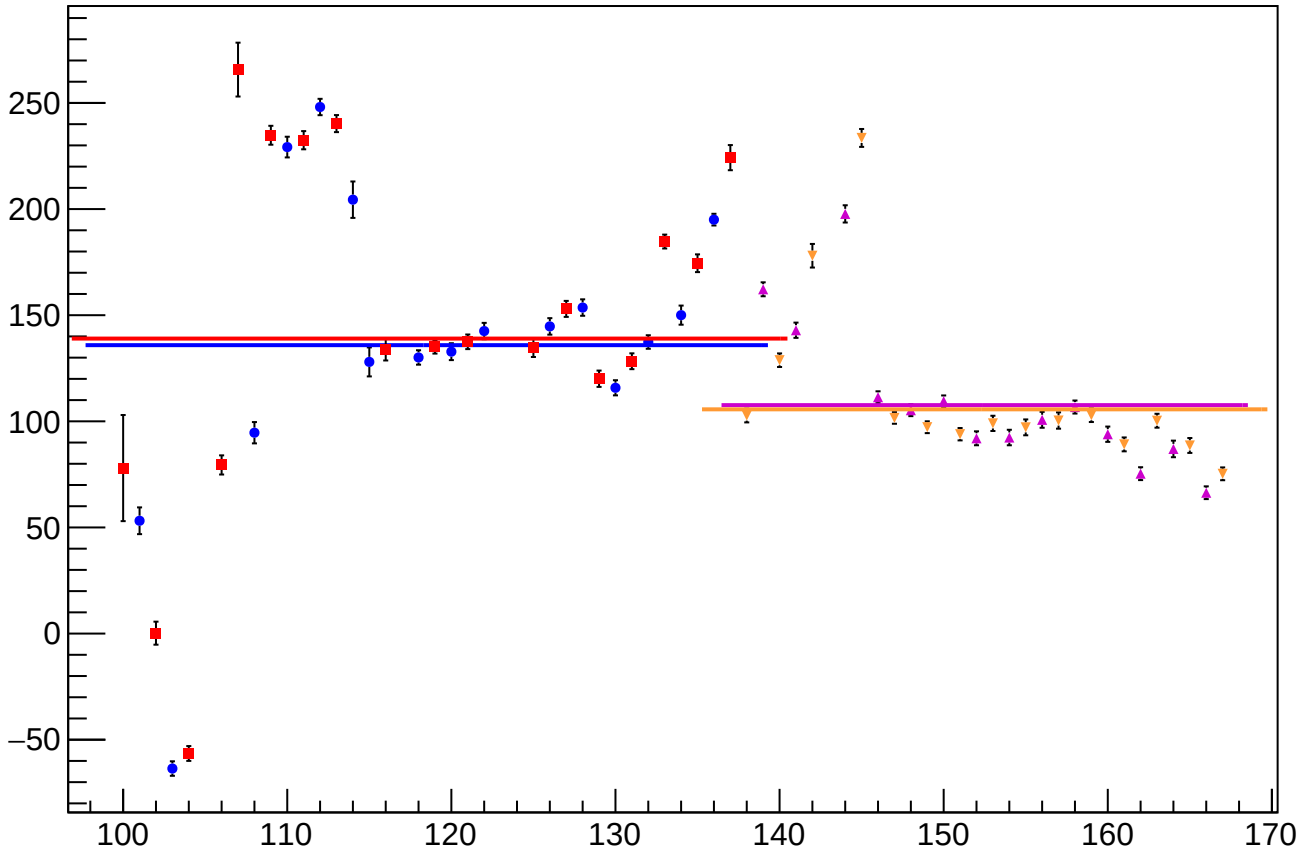
Left: 12.673+/-0.425 χ^2/NDF: 730.7/28

Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 17.766+/-0.503 χ^2/NDF:1158.4/29

Out: 17.638+/-0.493 χ^2/NDF:1218.1/32

All: 17.701+/-0.352 χ^2/NDF: 2376.5/62



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 105.646+/-0.860 χ^2/NDF:1332.0/14

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 107.629+/-0.867 χ^2/NDF:1254.6/13

Left: 106.630+/-0.611 χ^2/NDF: 2589.2/28

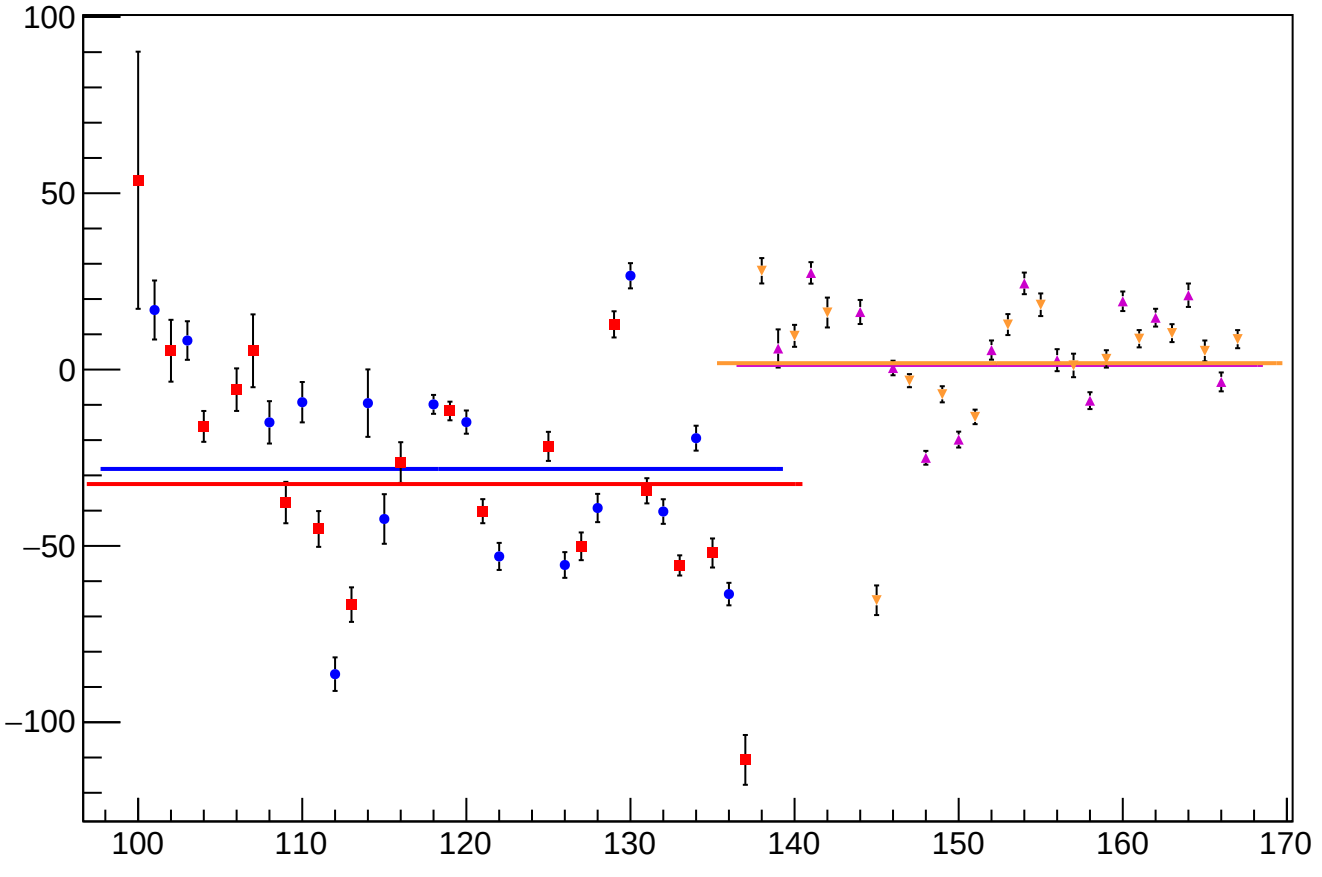
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 119.772+/-0.655 χ^2/NDF:7174.8/29

Out: 119.850+/-0.652 χ^2/NDF:8128.5/32

All: 119.811+/-0.462 χ^2/NDF: 15303.3/62

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.813+/-0.697 χ^2/NDF:471.3/14

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 1.318+/-0.715 χ^2/NDF:549.0/13

Left: 1.572+/-0.499 χ^2/NDF: 1020.5/28

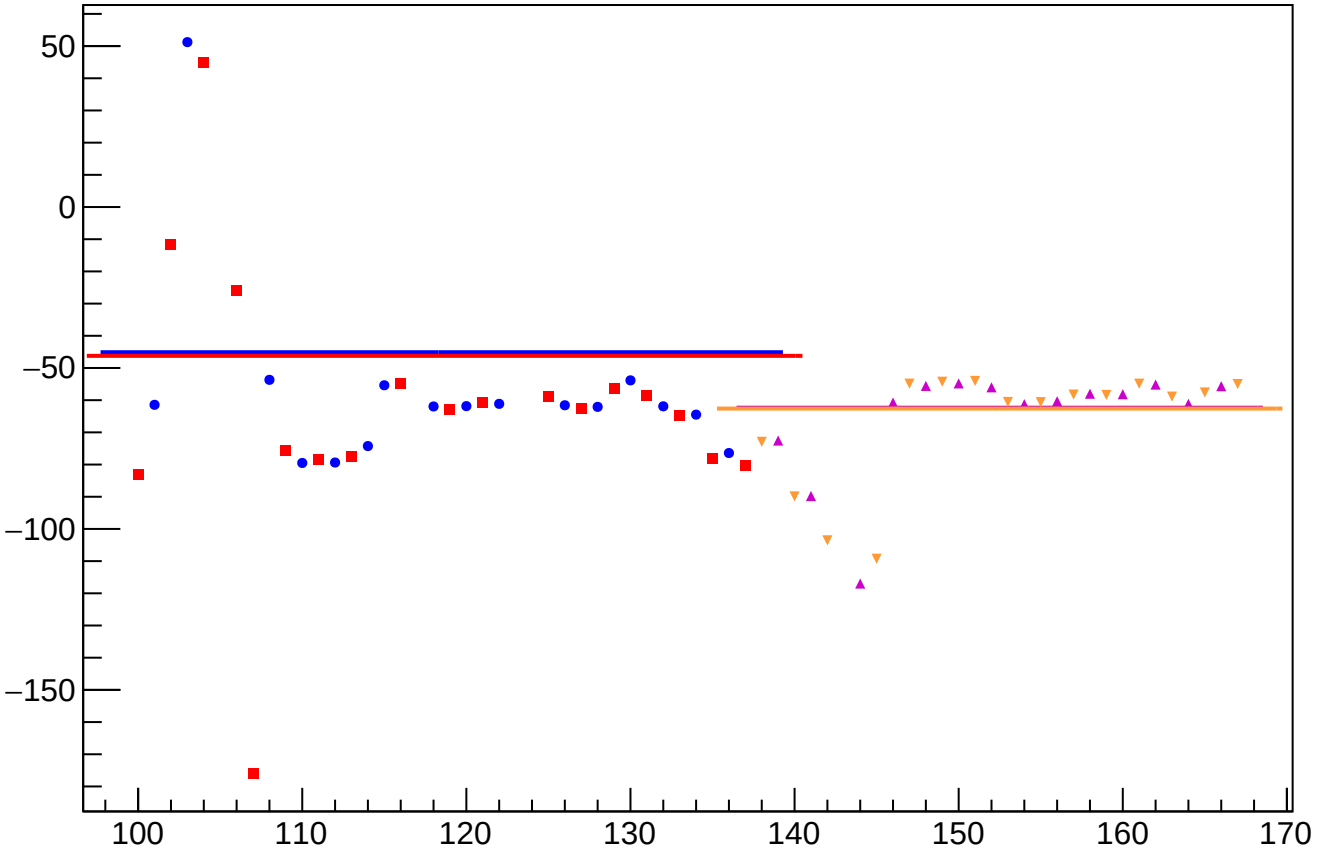
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -8.373+/-0.586 χ^2/NDF:1899.1/29

Out: -8.979+/-0.577 χ^2/NDF:1814.5/32

All: -8.681+/-0.411 χ^2/NDF: 3714.2/62

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -62.607+/-0.033 χ^2/NDF:183530.9/14

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -62.335+/-0.033 χ^2/NDF:153608.1/13

Left: -62.472+/-0.023 χ^2/NDF: 337173.7/28

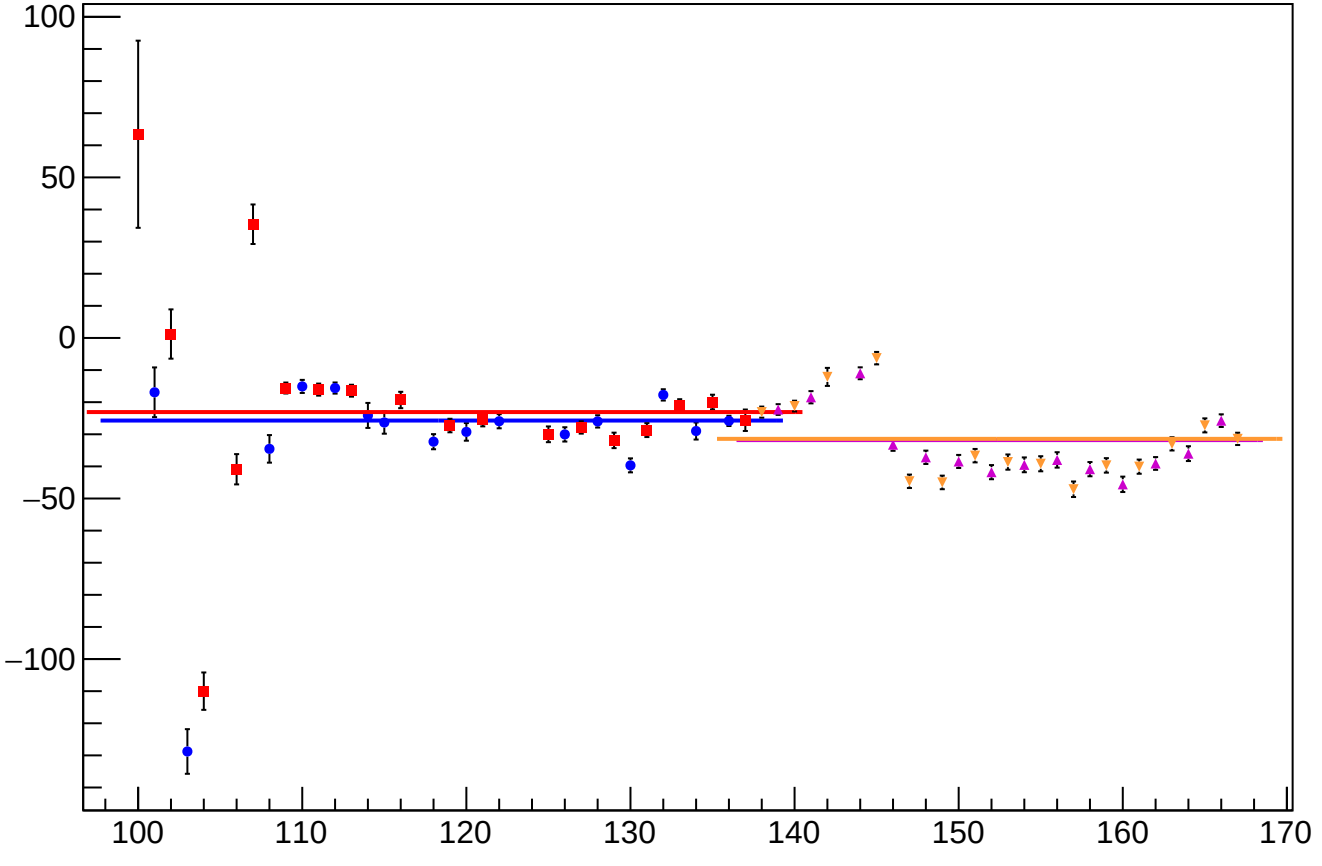
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.383+/-0.029 χ^2/NDF:792051.1/29

Out: -59.117+/-0.029 χ^2/NDF:731038.1/32

All: -58.749+/-0.020 χ^2/NDF: 1523413.7/62

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -31.423+/-0.542 χ^2/NDF:457.4/14

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -31.811+/-0.550 χ^2/NDF:338.7/13

Left: -31.614+/-0.386 χ^2/NDF: 796.3/28

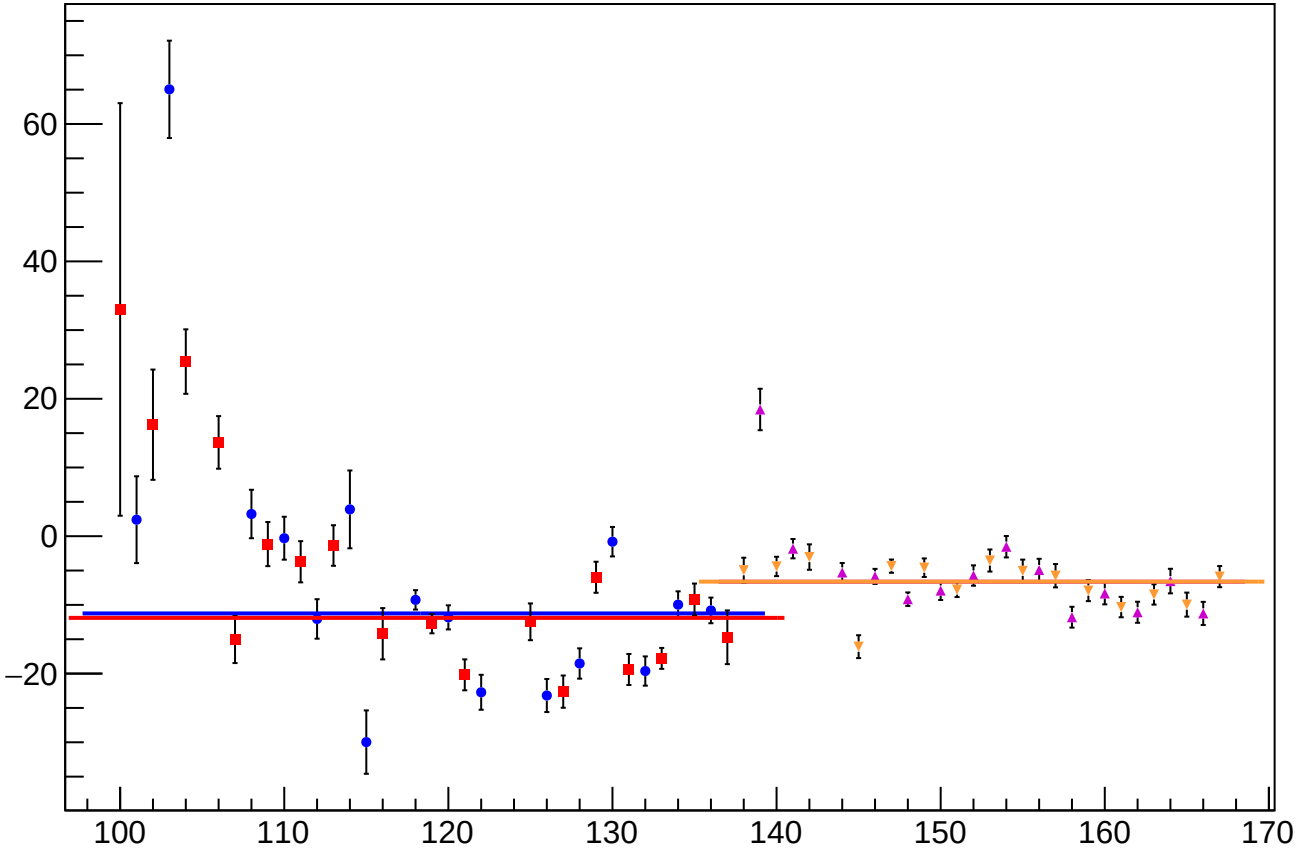
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -28.982+/-0.402 χ^2/NDF:758.7/29

Out: -27.547+/-0.397 χ^2/NDF:1004.6/32

All: -28.254+/-0.282 χ^2/NDF: 1769.8/62

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.615+/-0.375 χ^2/NDF:65.4/14

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.632+/-0.386 χ^2/NDF:130.6/13

Left: -6.623+/-0.269 χ^2/NDF: 196.0/28

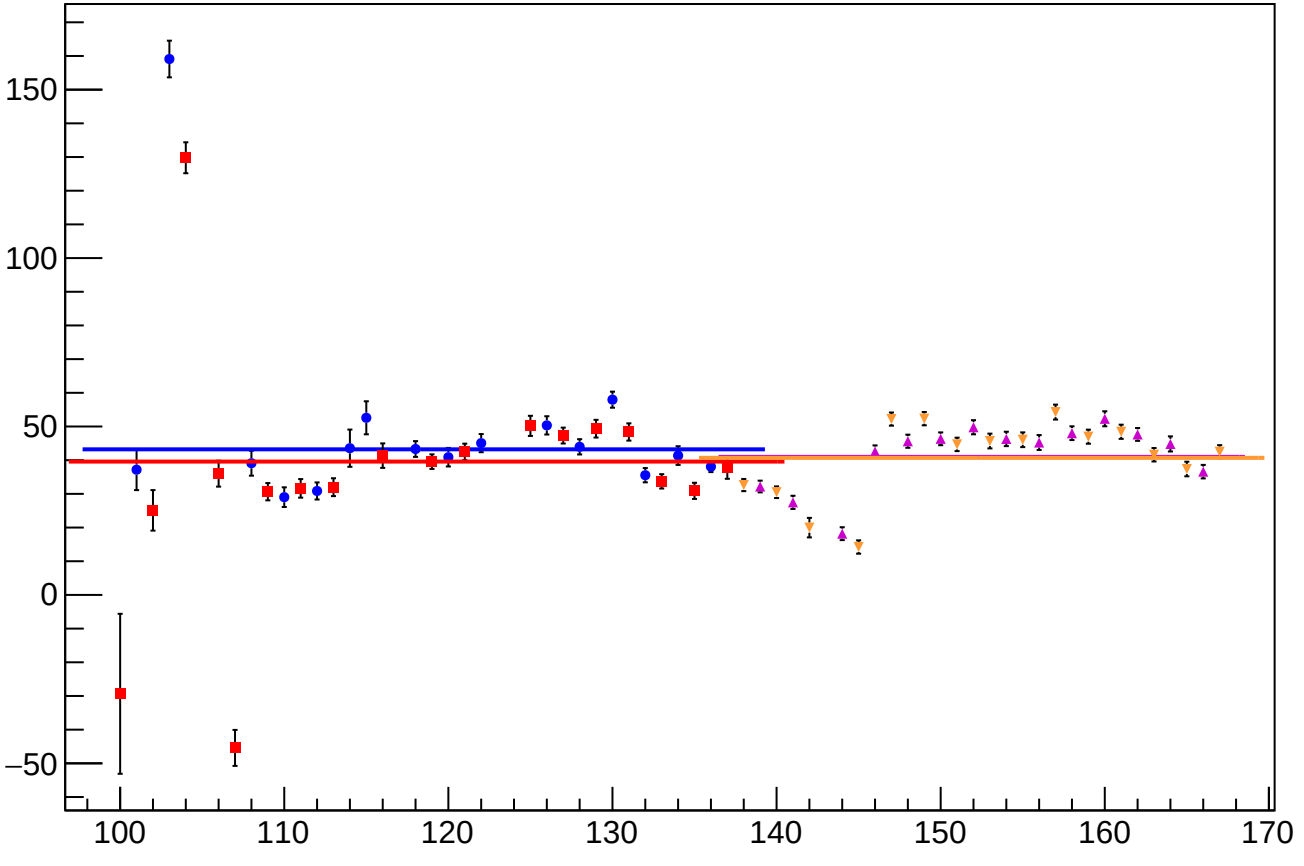
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.983+/-0.325 χ^2/NDF:443.5/29

Out: -8.072+/-0.319 χ^2/NDF:344.6/32

All: -8.029+/-0.228 χ^2/NDF: 788.1/62

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.692+/-0.528 χ^2/NDF:432.6/14

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 40.981+/-0.534 χ^2/NDF:314.4/13

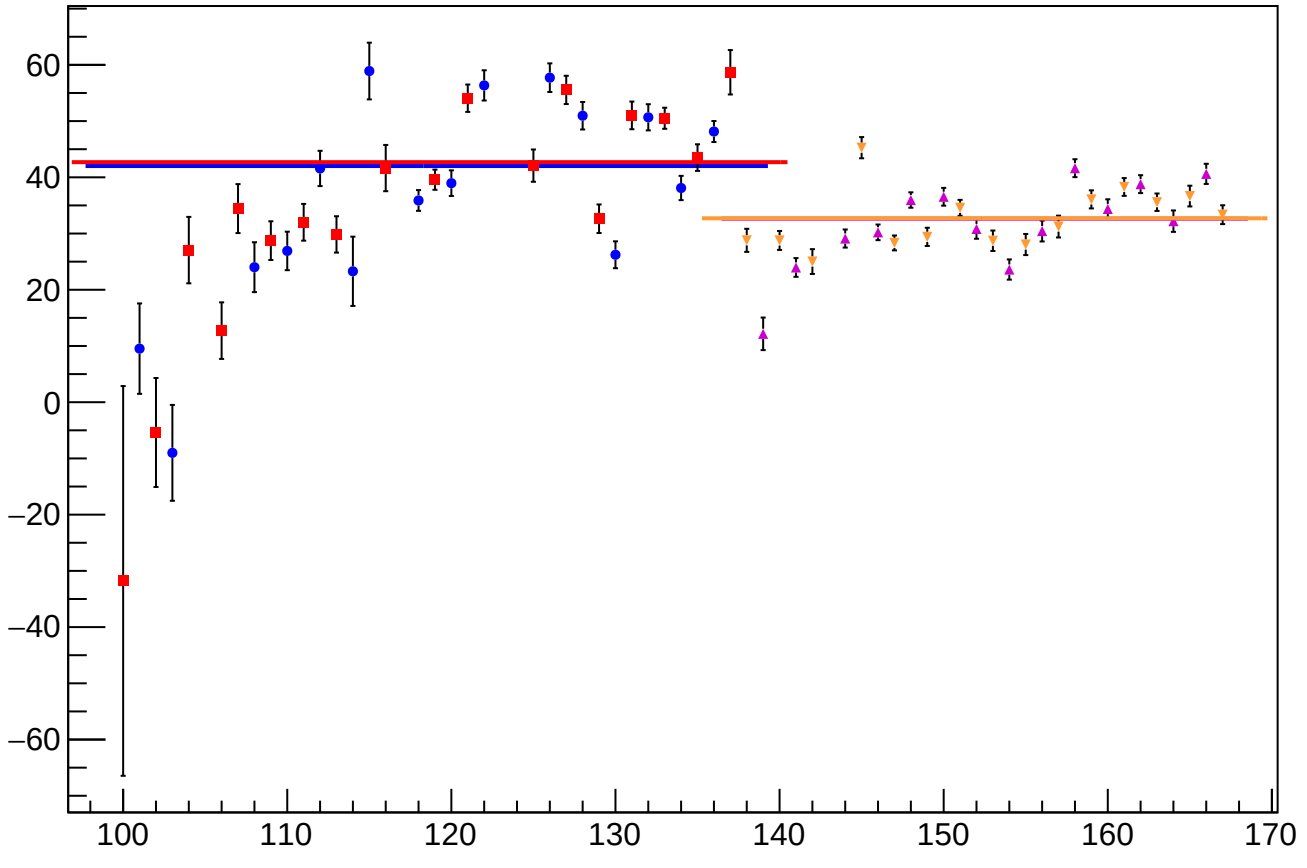
Left: 40.835+/-0.376 χ^2/NDF: 747.2/28

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 41.839+/-0.420 χ^2/NDF:897.1/29

Out: 40.280+/-0.418 χ^2/NDF:1188.3/32

All: 41.057+/-0.296 χ^2/NDF: 2092.3/62



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.710+/-0.437 χ^2/NDF:119.1/14

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.643+/-0.449 χ^2/NDF:192.5/13

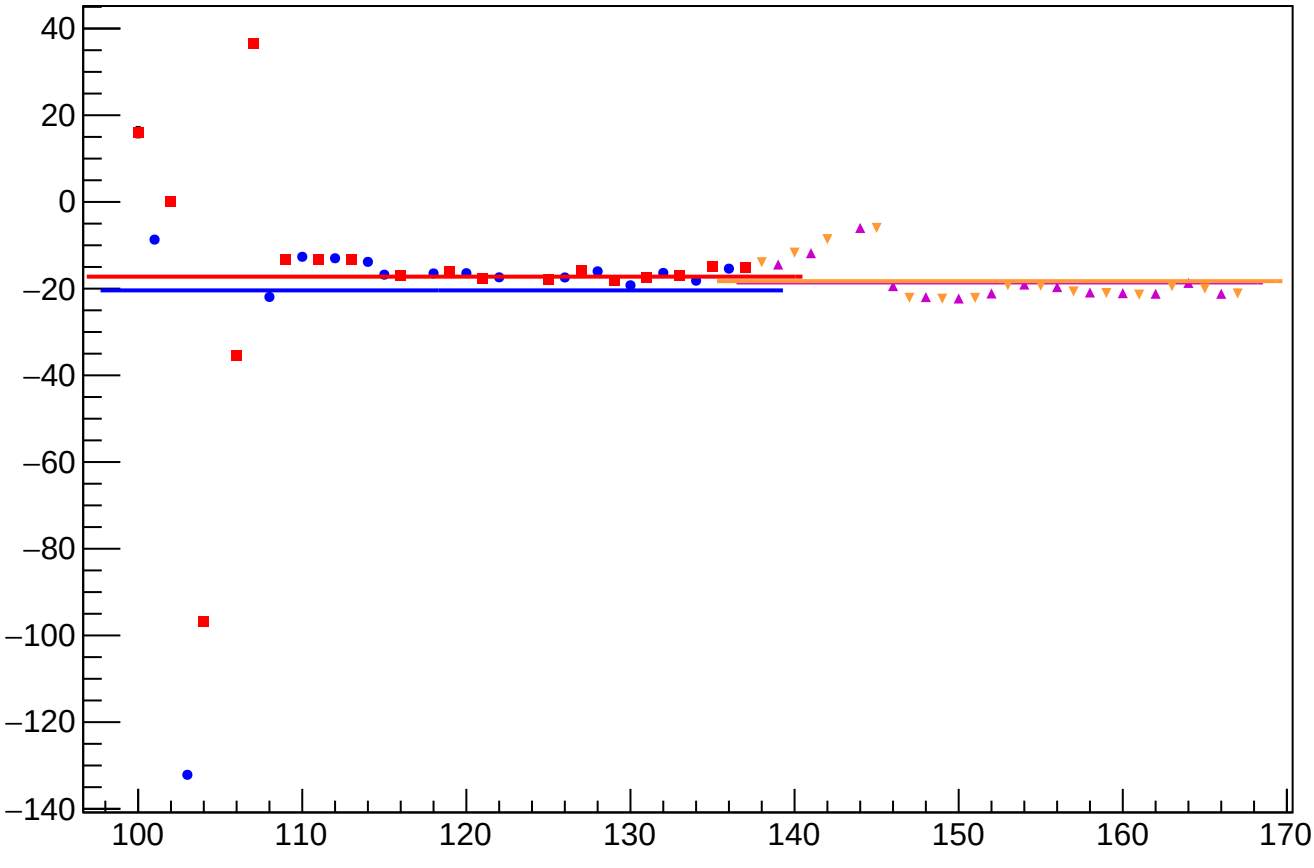
Left: 32.678+/-0.313 χ^2/NDF: 311.5/28

Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.464+/-0.375 χ^2/NDF:596.2/29

Out: 35.542+/-0.370 χ^2/NDF:497.4/32

All: 35.504+/-0.263 χ^2/NDF: 1093.6/62



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.273+/-0.020 χ^2/NDF:56315.4/14

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.568+/-0.020 χ^2/NDF:43361.0/13

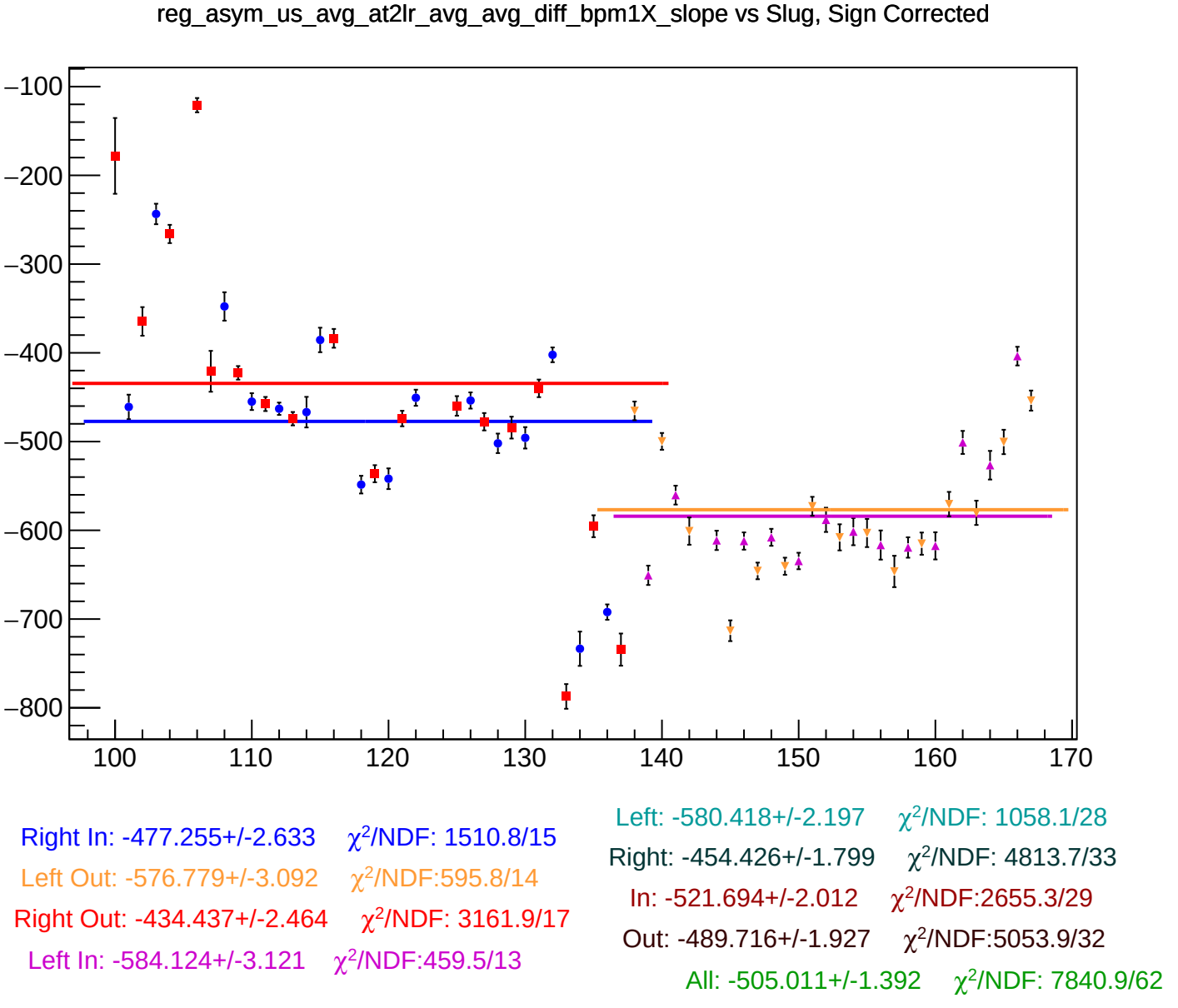
Left: -18.419+/-0.014 χ^2/NDF: 99784.3/28

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

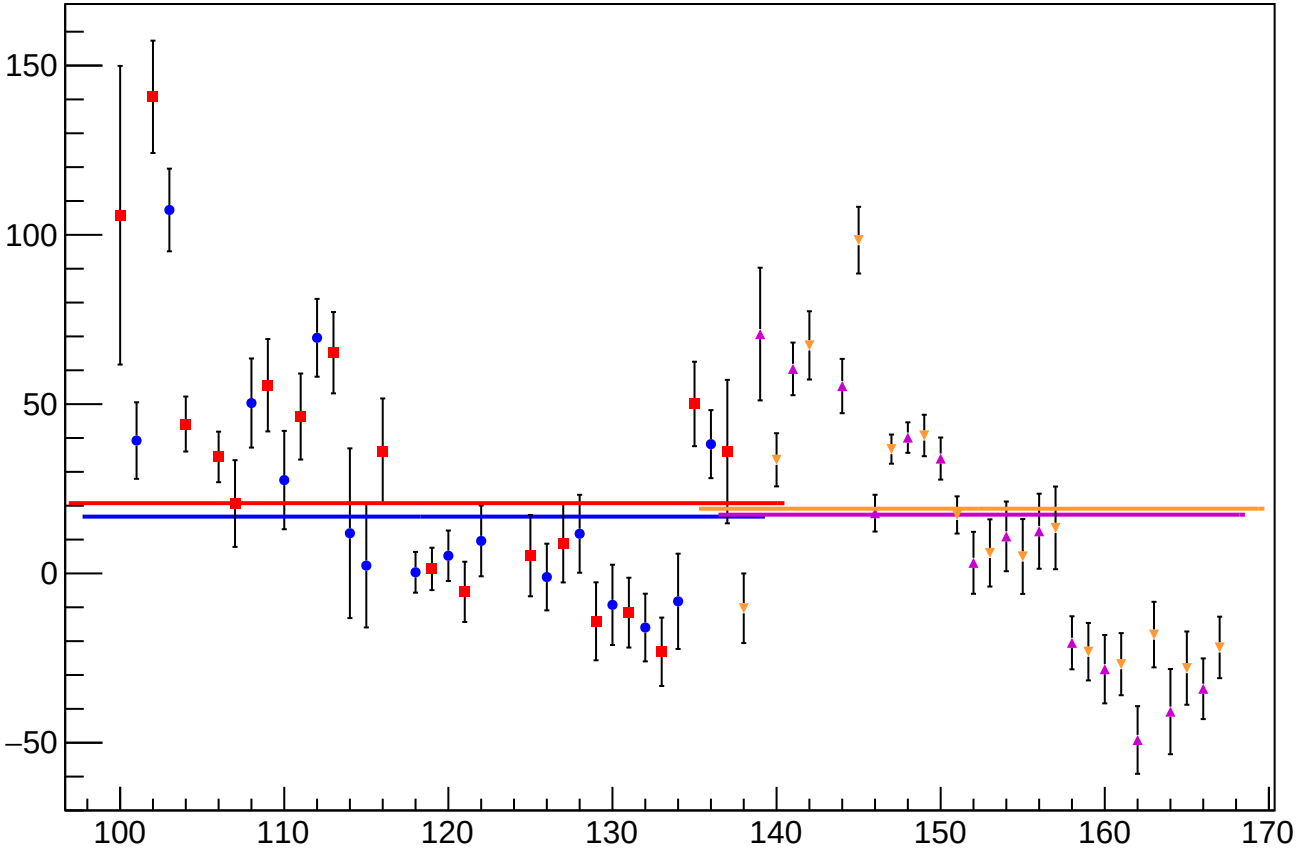
In: -18.914+/-0.018 χ^2/NDF:290533.0/29

Out: -18.097+/-0.018 χ^2/NDF:261431.5/32

All: -18.505+/-0.013 χ^2/NDF: 552974.1/62


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
160
170
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -576.779+/-3.092 χ²/NDF:595.8/14
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -584.124+/-3.121 χ²/NDF:459.5/13
Left: -580.418+/-2.197 χ²/NDF: 1058.1/28
Right: -454.426+/-1.799 χ²/NDF: 4813.7/33
In: -521.694+/-2.012 χ²/NDF:2655.3/29
Out: -489.716+/-1.927 χ²/NDF:5053.9/32
All: -505.011+/-1.392 χ²/NDF: 7840.9/62

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 19.112+/-2.034 χ^2/NDF:236.0/14

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 17.354+/-2.093 χ^2/NDF:238.6/13

Left: 18.258+/-1.459 χ^2/NDF: 475.0/28

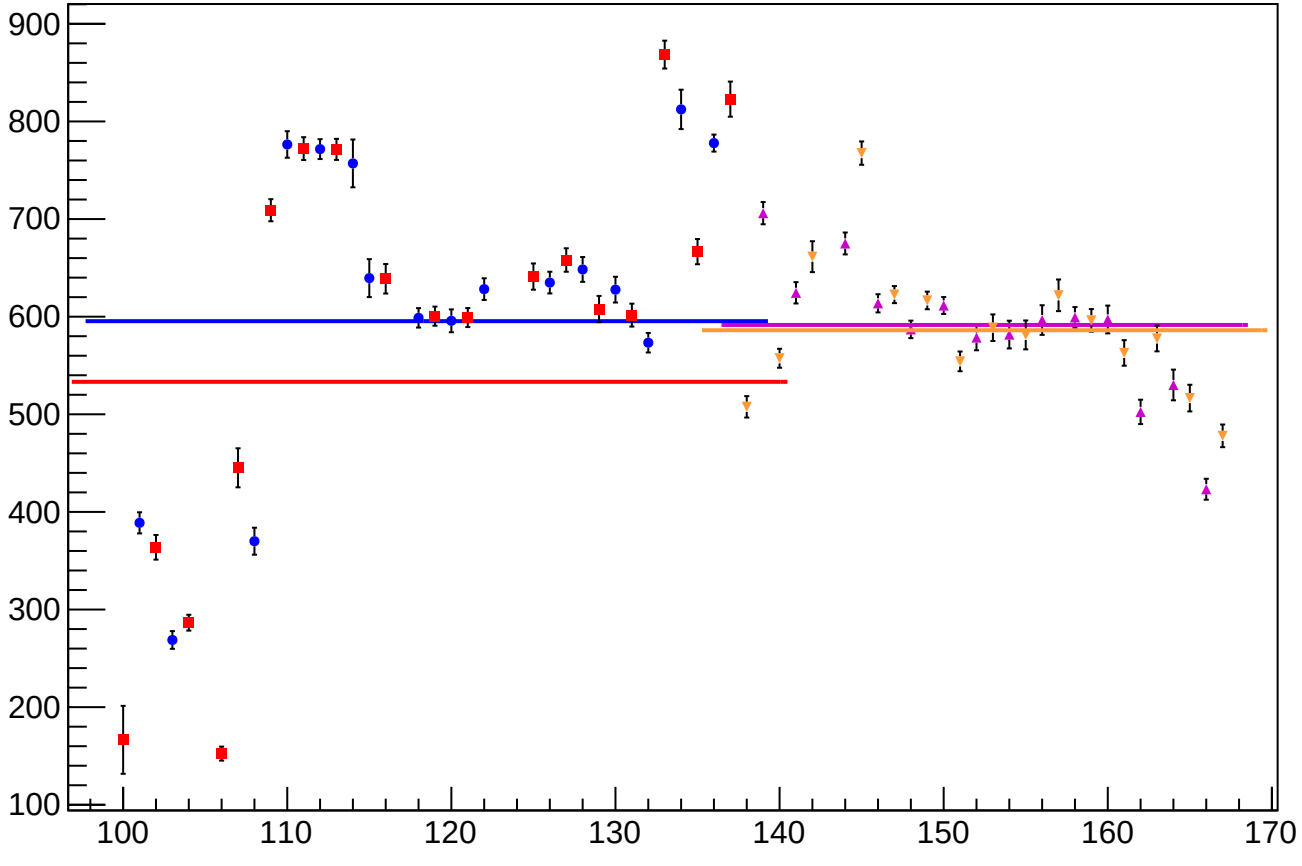
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 17.134+/-1.644 χ^2/NDF:363.6/29

Out: 19.749+/-1.590 χ^2/NDF:394.2/32

All: 18.485+/-1.143 χ^2/NDF: 759.1/62

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 586.100+/-3.006 χ^2/NDF:473.6/14

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 591.536+/-3.021 χ^2/NDF:491.7/13

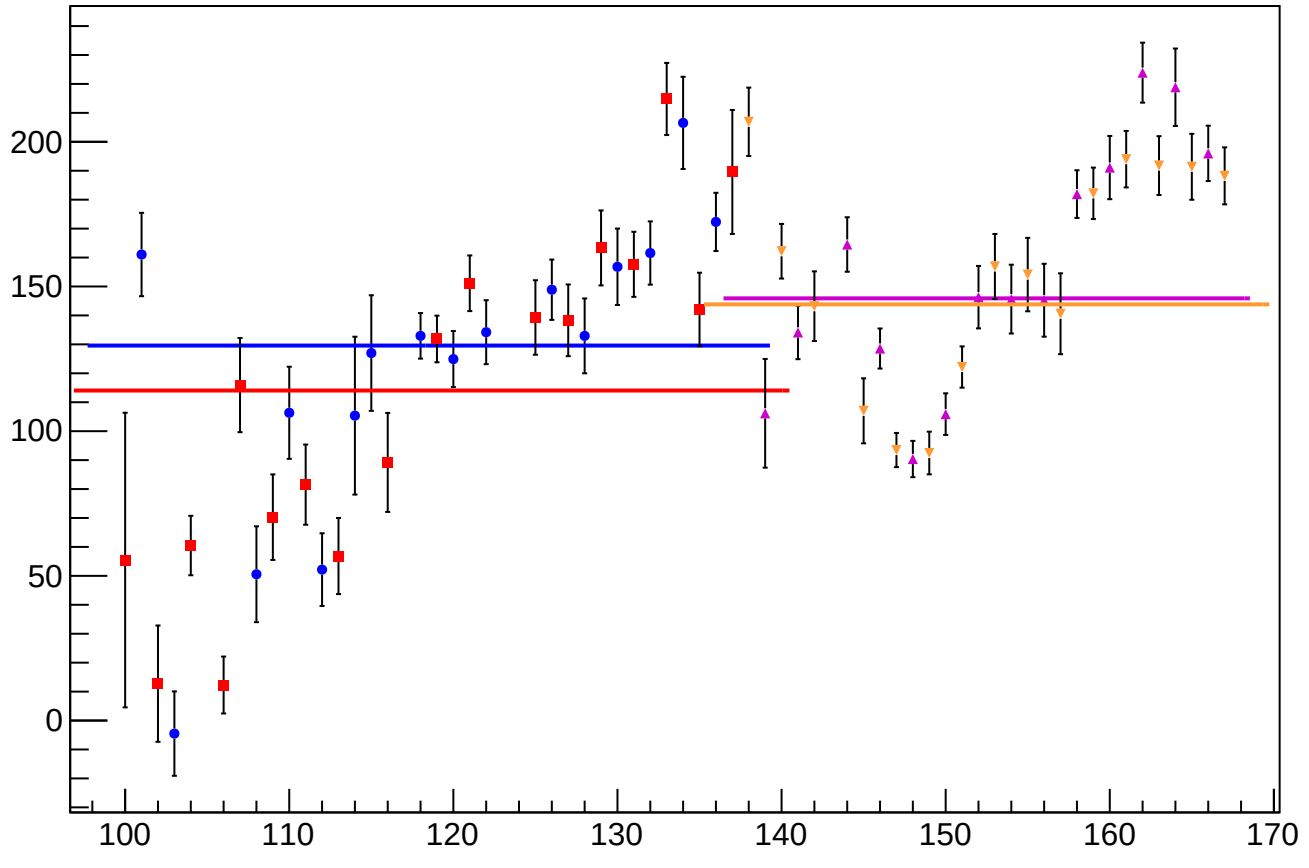
Left: 588.804+/-2.131 χ^2/NDF: 966.9/28

Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 593.531+/-2.103 χ^2/NDF:3552.3/29

Out: 557.308+/-2.027 χ^2/NDF:7144.7/32

All: 574.755+/-1.460 χ^2/NDF: 10850.7/62



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 143.819+/-2.426 χ^2/NDF:280.4/14

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 145.896+/-2.482 χ^2/NDF:275.7/13

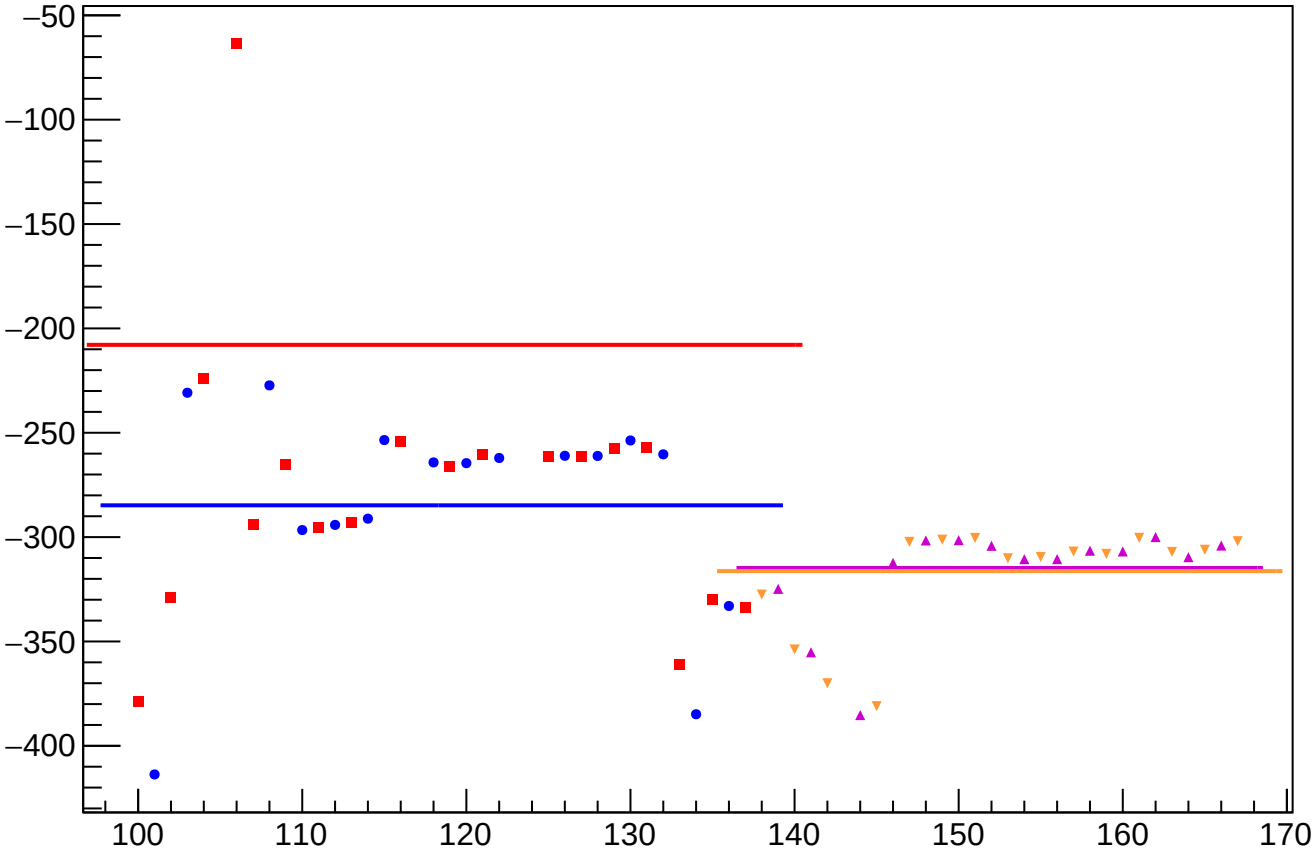
Left: 144.834+/-1.735 χ^2/NDF: 556.5/28

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 139.476+/-1.933 χ^2/NDF:503.9/29

Out: 131.935+/-1.880 χ^2/NDF:676.5/32

All: 135.602+/-1.348 χ^2/NDF: 1188.2/62



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -316.309+/-0.116 χ^2/NDF:42231.5/14

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -314.797+/-0.116 χ^2/NDF:34327.1/13

Left: -315.552+/-0.082 χ^2/NDF: 76643.2/28

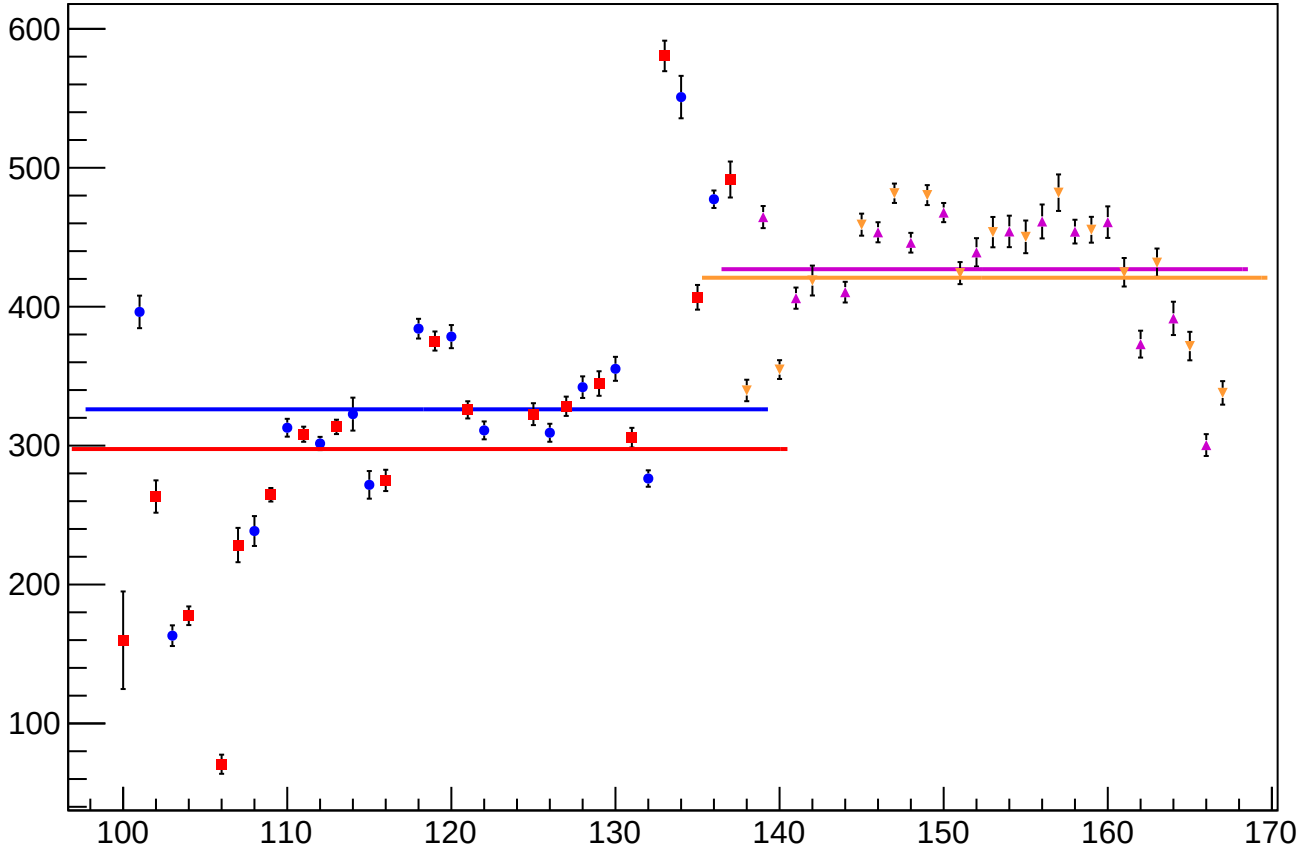
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.787+/-0.097 χ^2/NDF:158724.1/29

Out: -275.198+/-0.092 χ^2/NDF:908461.4/32

All: -289.586+/-0.067 χ^2/NDF: 1119585.1/62

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 420.854+/-2.268 χ^2/NDF:544.6/14

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 427.003+/-2.292 χ^2/NDF:423.1/13

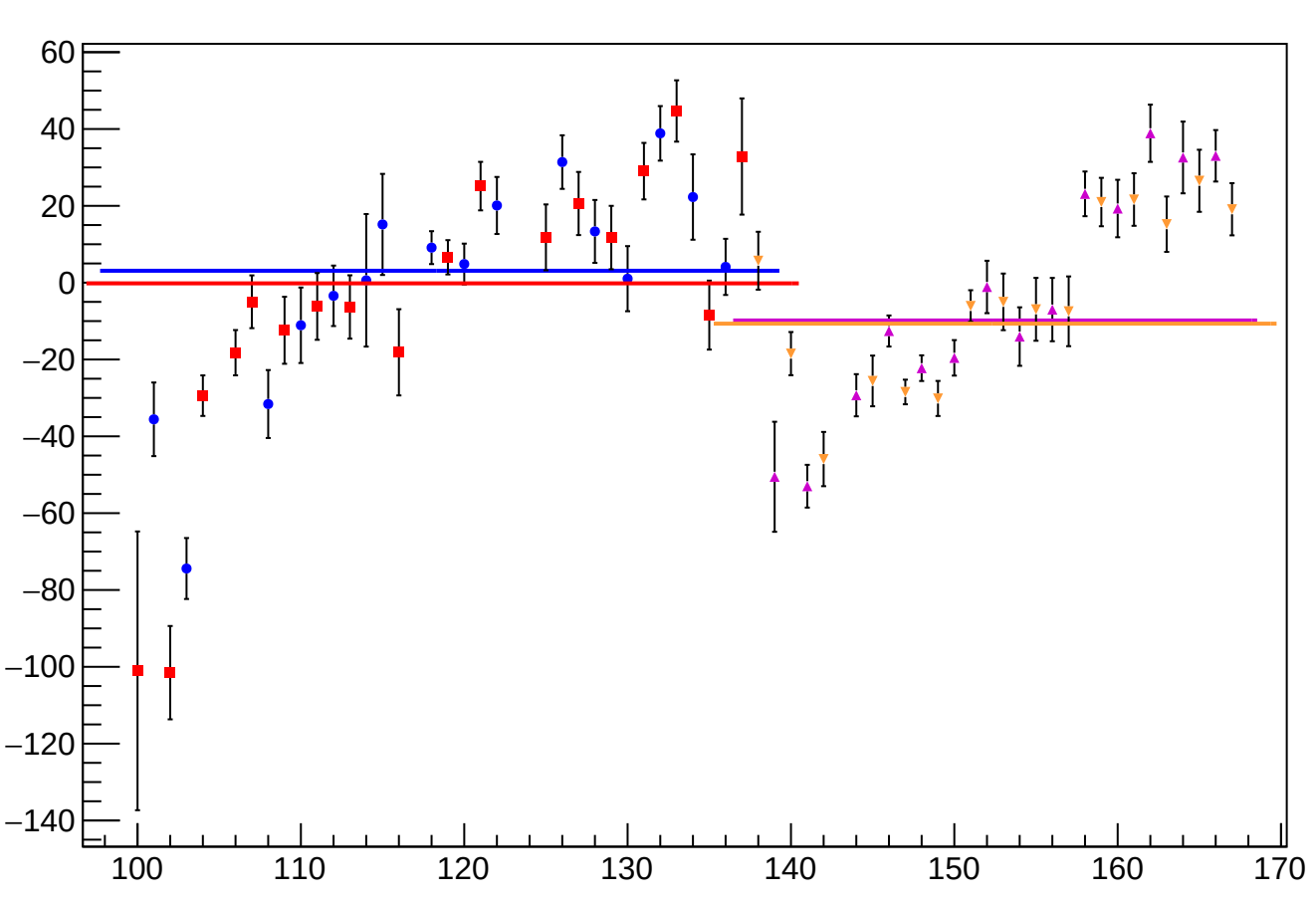
Left: 423.896+/-1.612 χ^2/NDF: 971.4/28

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 366.102+/-1.443 χ^2/NDF:3235.4/29

Out: 343.057+/-1.378 χ^2/NDF:5185.6/32

All: 354.049+/-0.996 χ^2/NDF: 8554.5/62



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -10.670+/-1.498 χ^2/NDF:188.7/14

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -9.841+/-1.542 χ^2/NDF:253.1/13

Left: -10.268+/-1.075 χ^2/NDF: 442.0/28

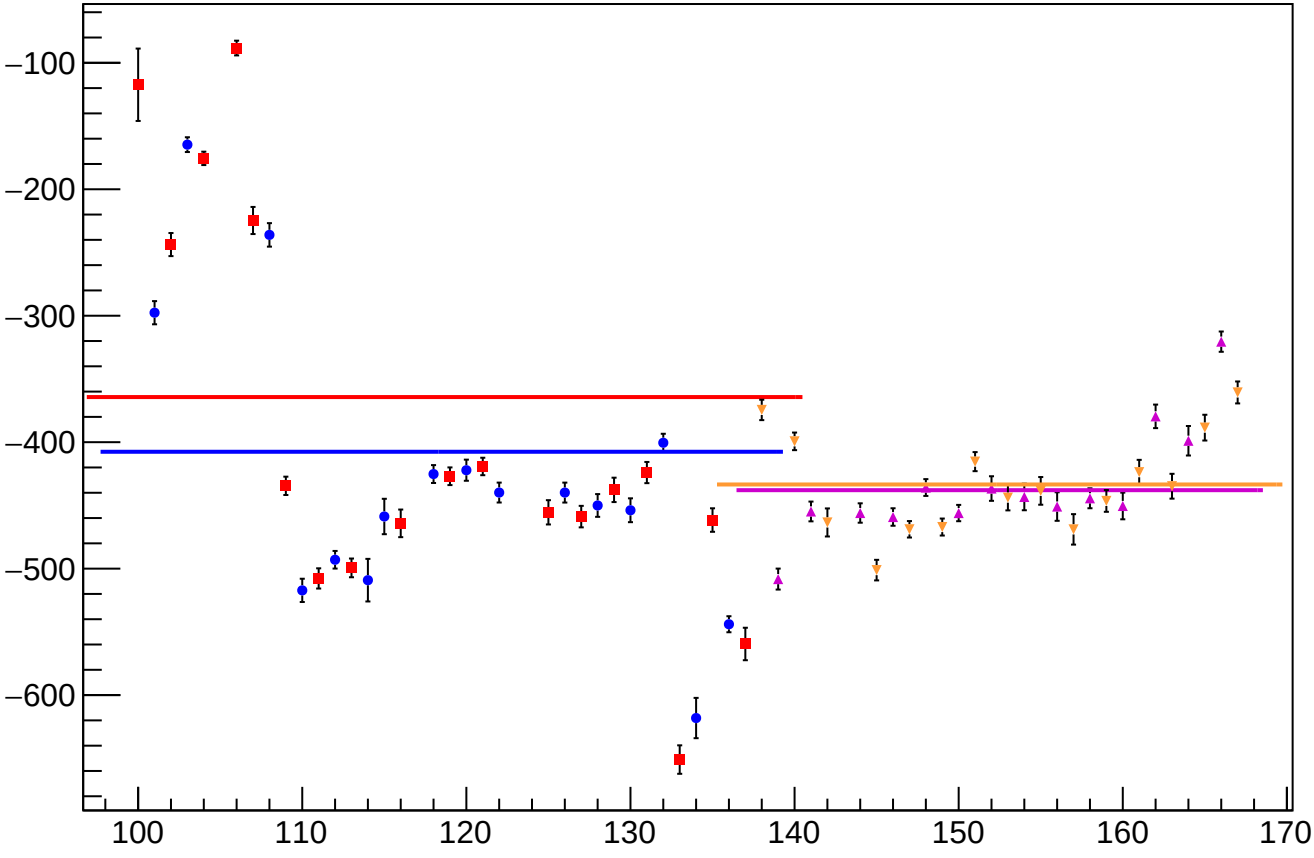
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -4.675+/-1.195 χ^2/NDF:465.7/29

Out: -6.352+/-1.149 χ^2/NDF:414.1/32

All: -5.547+/-0.828 χ^2/NDF: 880.9/62

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -433.447+/-2.208 χ^2/NDF:317.7/14

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -437.957+/-2.222 χ^2/NDF:368.2/13

Left: -435.688+/-1.566 χ^2/NDF: 688.0/28

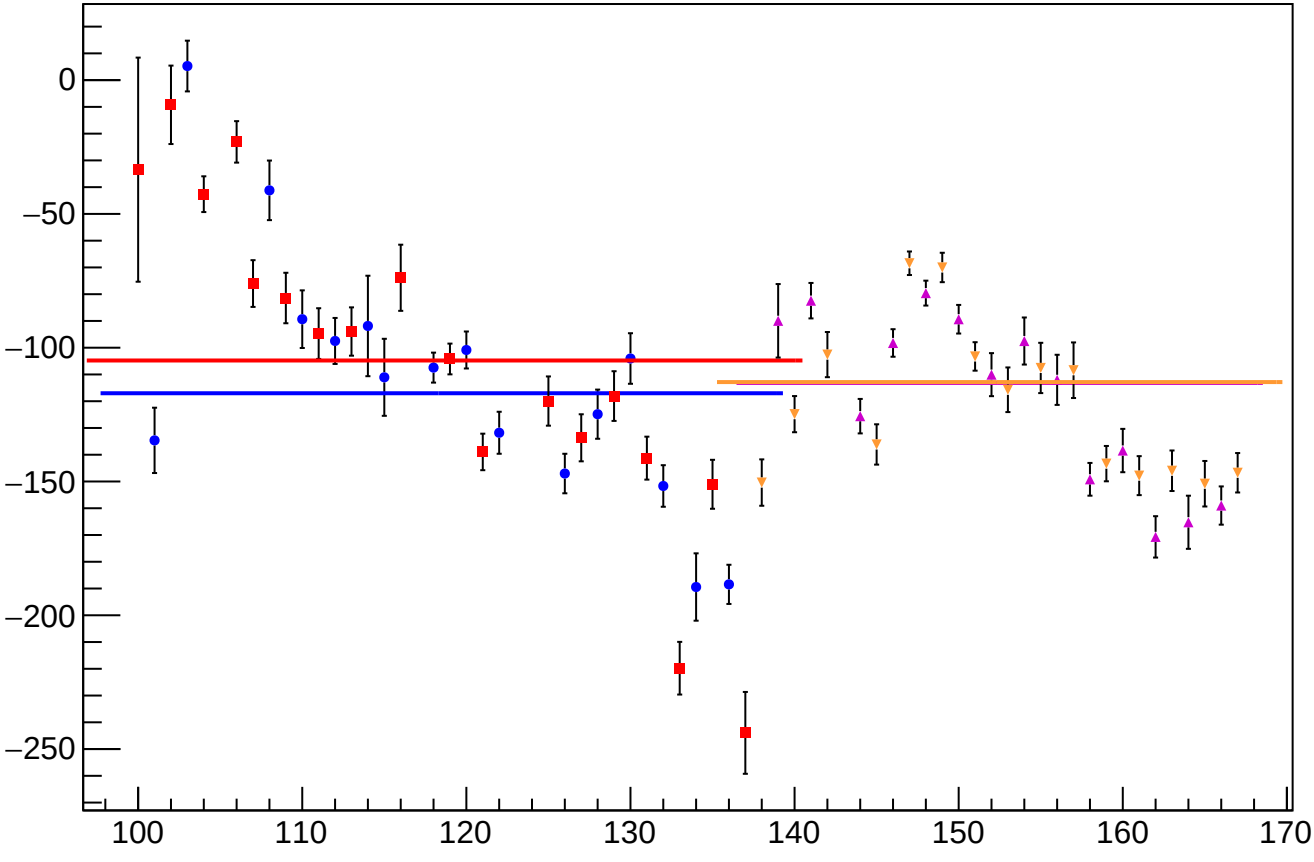
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -421.719+/-1.516 χ^2/NDF:3748.7/29

Out: -394.471+/-1.459 χ^2/NDF:7090.5/32

All: -407.569+/-1.051 χ^2/NDF: 11006.9/62

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -112.846+/-1.786 χ^2/NDF:304.2/14

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -113.170+/-1.828 χ^2/NDF:280.1/13

Left: -113.005+/-1.278 χ^2/NDF: 584.3/28

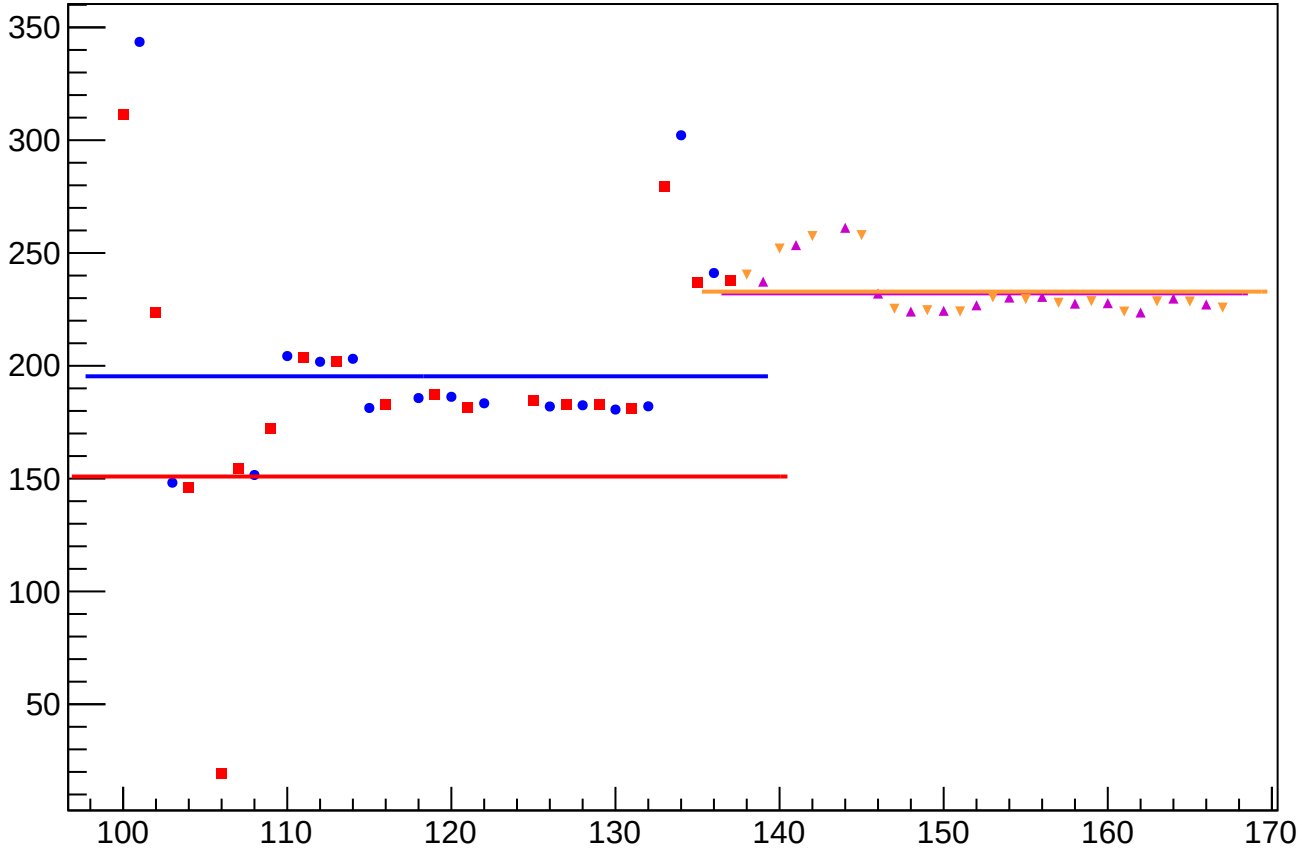
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -114.748+/-1.405 χ^2/NDF:689.7/29

Out: -109.443+/-1.358 χ^2/NDF:887.9/32

All: -112.006+/-0.976 χ^2/NDF: 1585.0/62

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 232.886+/-0.086 χ^2/NDF:17594.5/14

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 232.102+/-0.086 χ^2/NDF:15259.6/13

Left: 232.495+/-0.061 χ^2/NDF: 32896.0/28

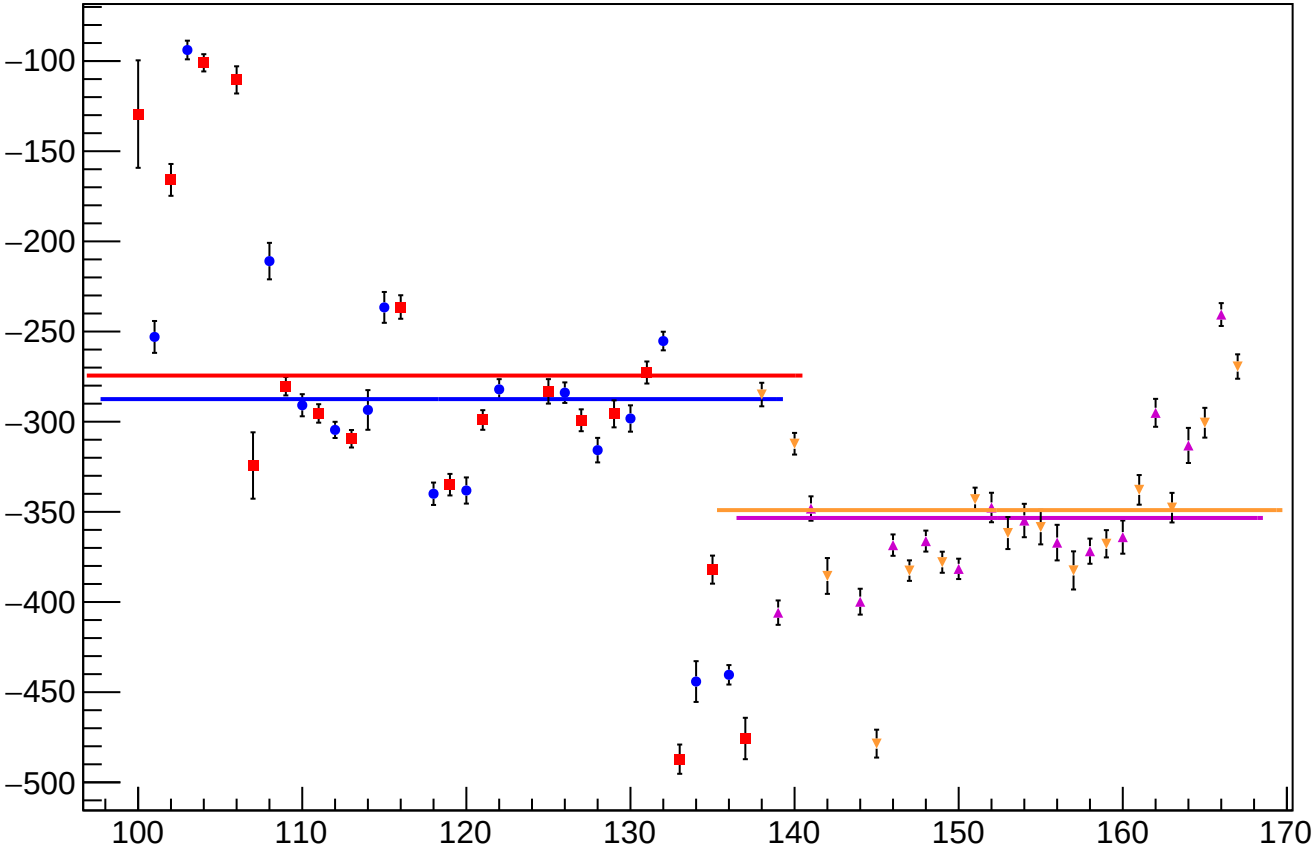
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 220.316+/-0.071 χ^2/NDF:251304.1/29

Out: 202.043+/-0.068 χ^2/NDF:861947.4/32

All: 210.784+/-0.049 χ^2/NDF: 1148216.6/62

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -349.035+/-1.895 χ^2/NDF:681.7/14

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -353.386+/-1.911 χ^2/NDF:540.3/13

Left: -351.192+/-1.346 χ^2/NDF: 1224.6/28

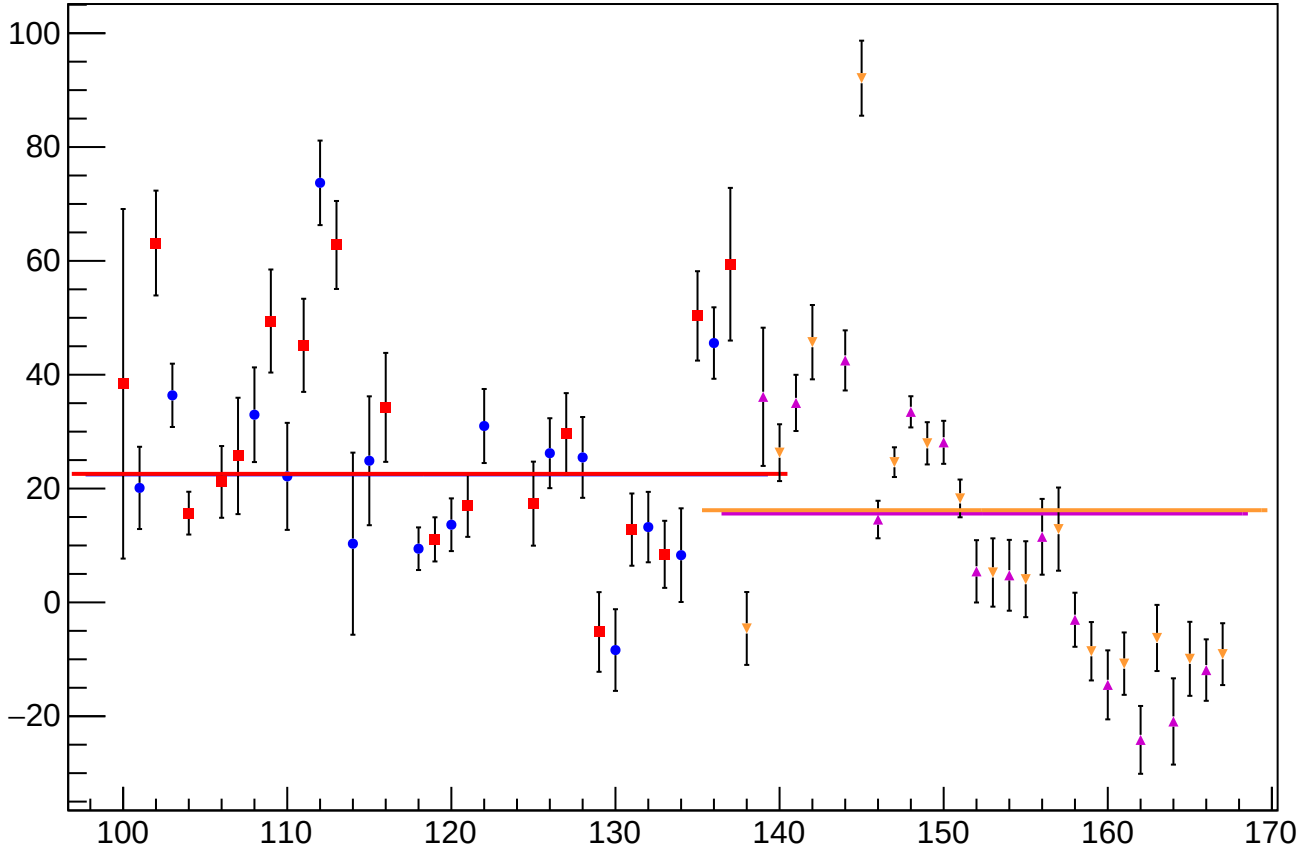
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -314.866+/-1.232 χ^2/NDF:3932.2/29

Out: -304.357+/-1.200 χ^2/NDF:5023.3/32

All: -309.476+/-0.860 χ^2/NDF: 8992.8/62

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 16.194+/-1.242 χ^2/NDF:295.6/14

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 15.617+/-1.278 χ^2/NDF:238.5/13

Left: 15.914+/-0.891 χ^2/NDF: 534.2/28

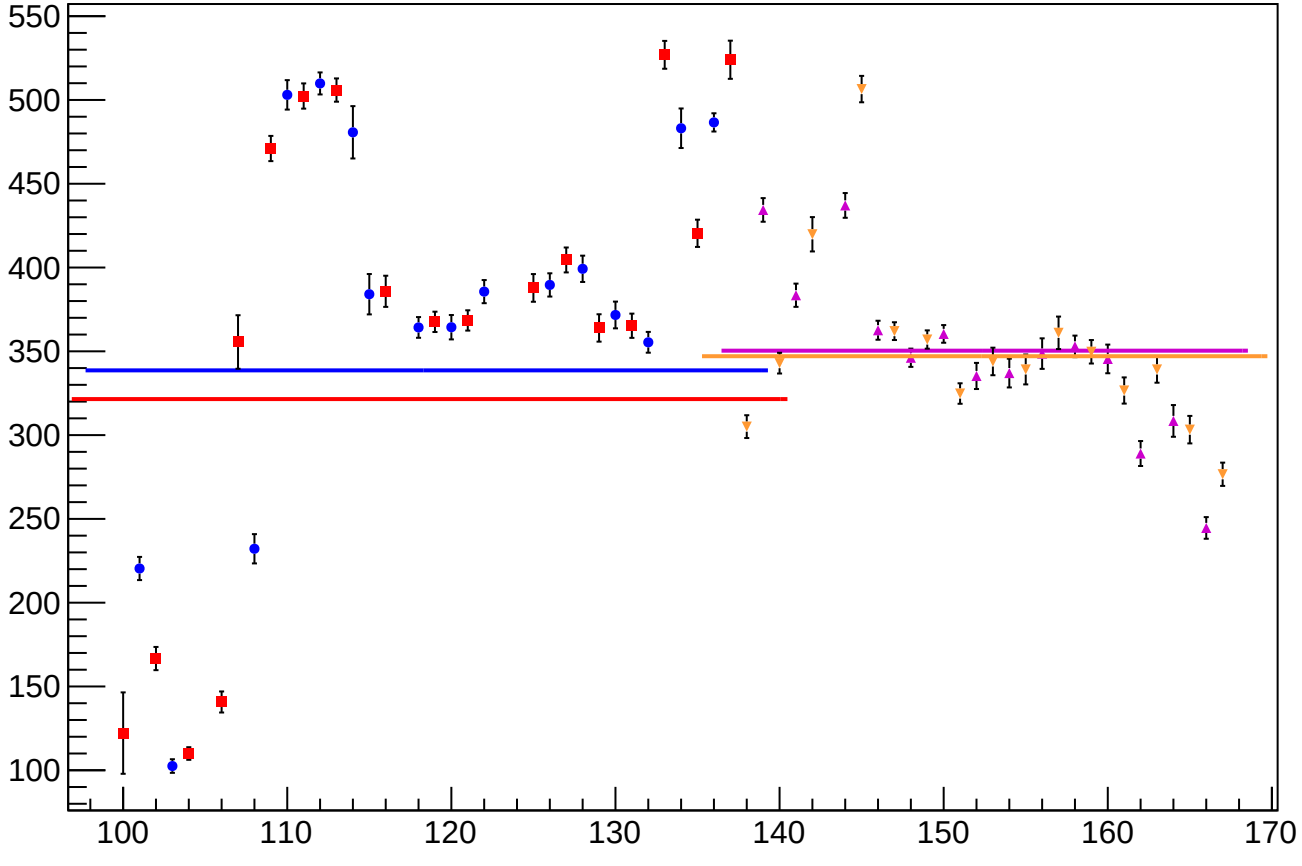
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 18.254+/-1.004 χ^2/NDF:361.0/29

Out: 18.652+/-0.974 χ^2/NDF:429.1/32

All: 18.459+/-0.699 χ^2/NDF: 790.2/62

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 347.079+/-1.839 χ^2/NDF:665.6/14

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 350.389+/-1.847 χ^2/NDF:673.2/13

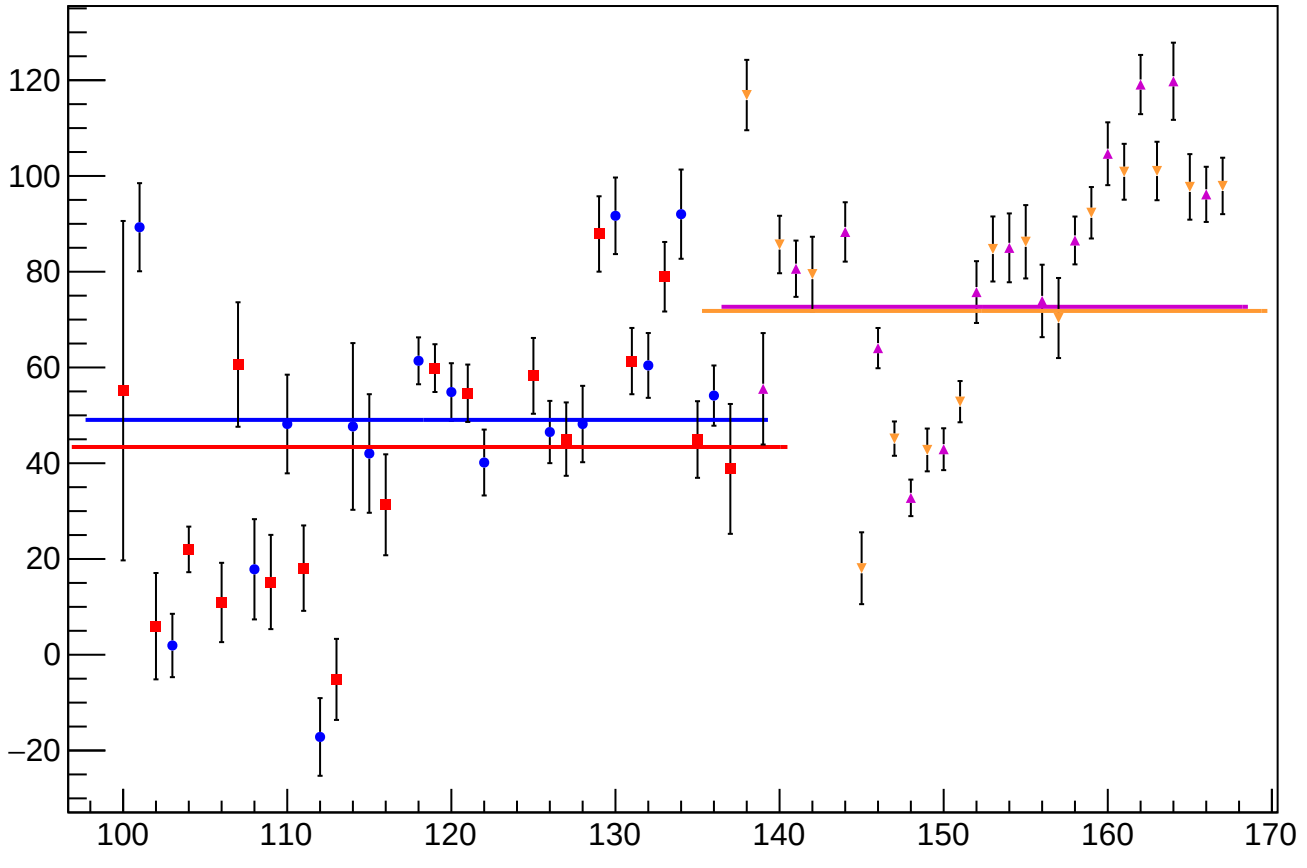
Left: 348.727+/-1.303 χ^2/NDF: 1340.3/28

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 344.188+/-1.270 χ^2/NDF:6737.2/29

Out: 333.242+/-1.246 χ^2/NDF:8491.0/32

All: 338.612+/-0.889 χ^2/NDF: 15266.0/62



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 71.808+/-1.481 χ^2/NDF:315.6/14

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.672+/-1.515 χ^2/NDF:312.1/13

Left: 72.230+/-1.059 χ^2/NDF: 627.8/28

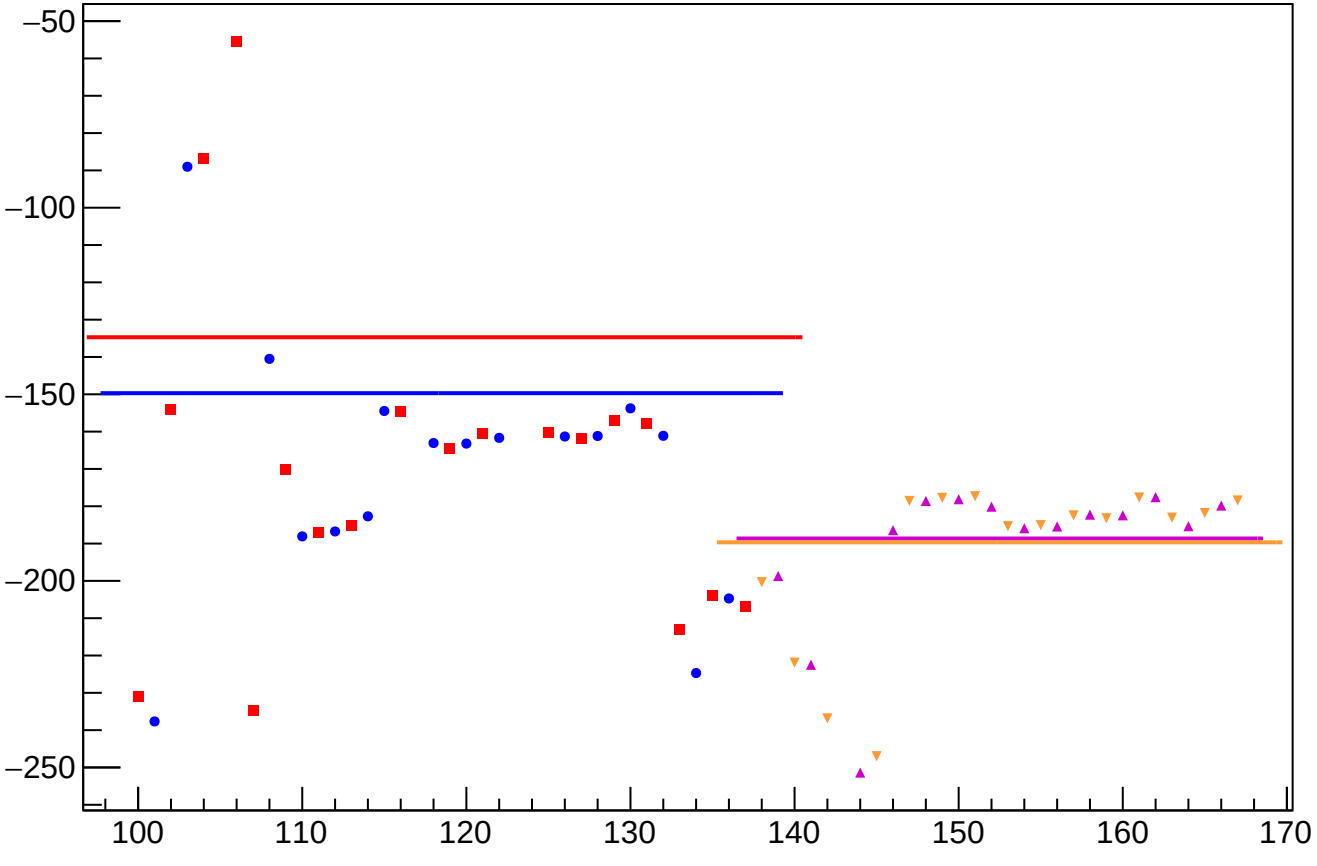
Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 63.388+/-1.180 χ^2/NDF:615.5/29

Out: 60.594+/-1.152 χ^2/NDF:640.9/32

All: 61.957+/-0.824 χ^2/NDF: 1259.3/62

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -189.670+/-0.071 χ^2/NDF:75758.5/14

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -188.644+/-0.071 χ^2/NDF:61370.7/13

Left: -189.157+/-0.050 χ^2/NDF: 137233.8/28

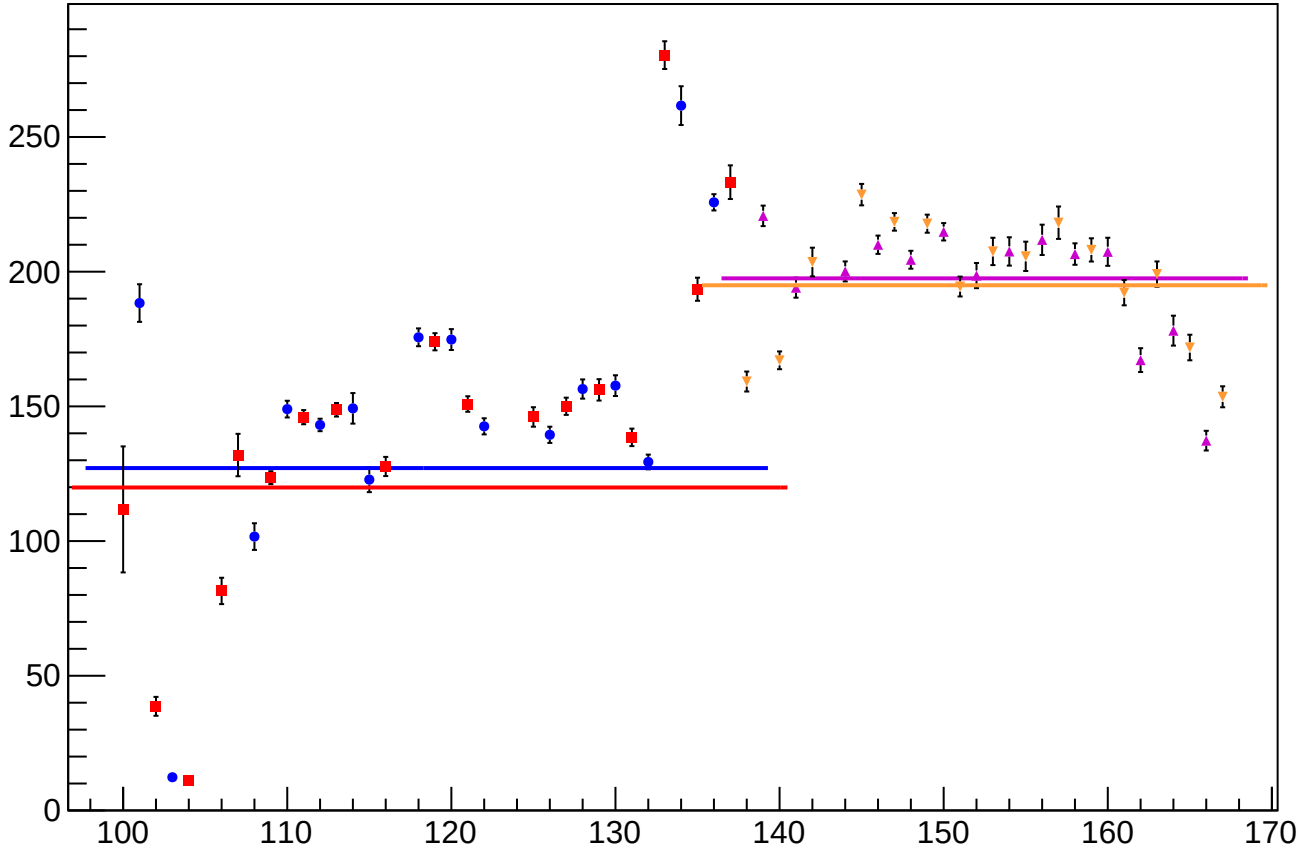
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.758+/-0.058 χ^2/NDF:417693.3/29

Out: -170.510+/-0.057 χ^2/NDF:597487.9/32

All: -173.102+/-0.041 χ^2/NDF: 1019327.0/62

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 194.958+/-1.069 χ^2/NDF:508.6/14

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 197.526+/-1.079 χ^2/NDF:435.0/13

Left: 196.230+/-0.760 χ^2/NDF: 946.5/28

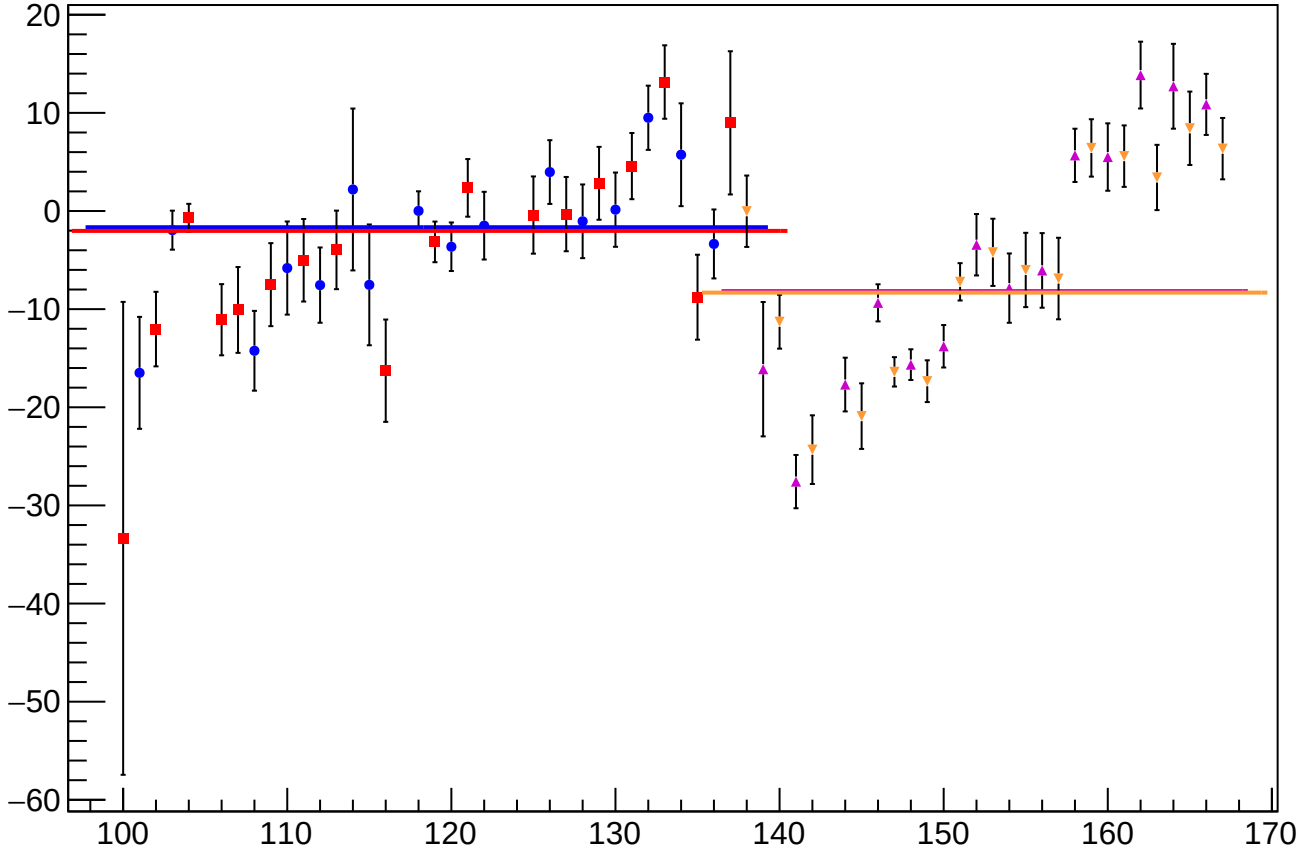
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 152.515+/-0.648 χ^2/NDF:9320.7/29

Out: 145.702+/-0.627 χ^2/NDF:10391.4/32

All: 148.996+/-0.451 χ^2/NDF: 19769.2/62

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -8.314+/-0.704 χ^2/NDF:190.4/14

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -8.162+/-0.724 χ^2/NDF:241.6/13

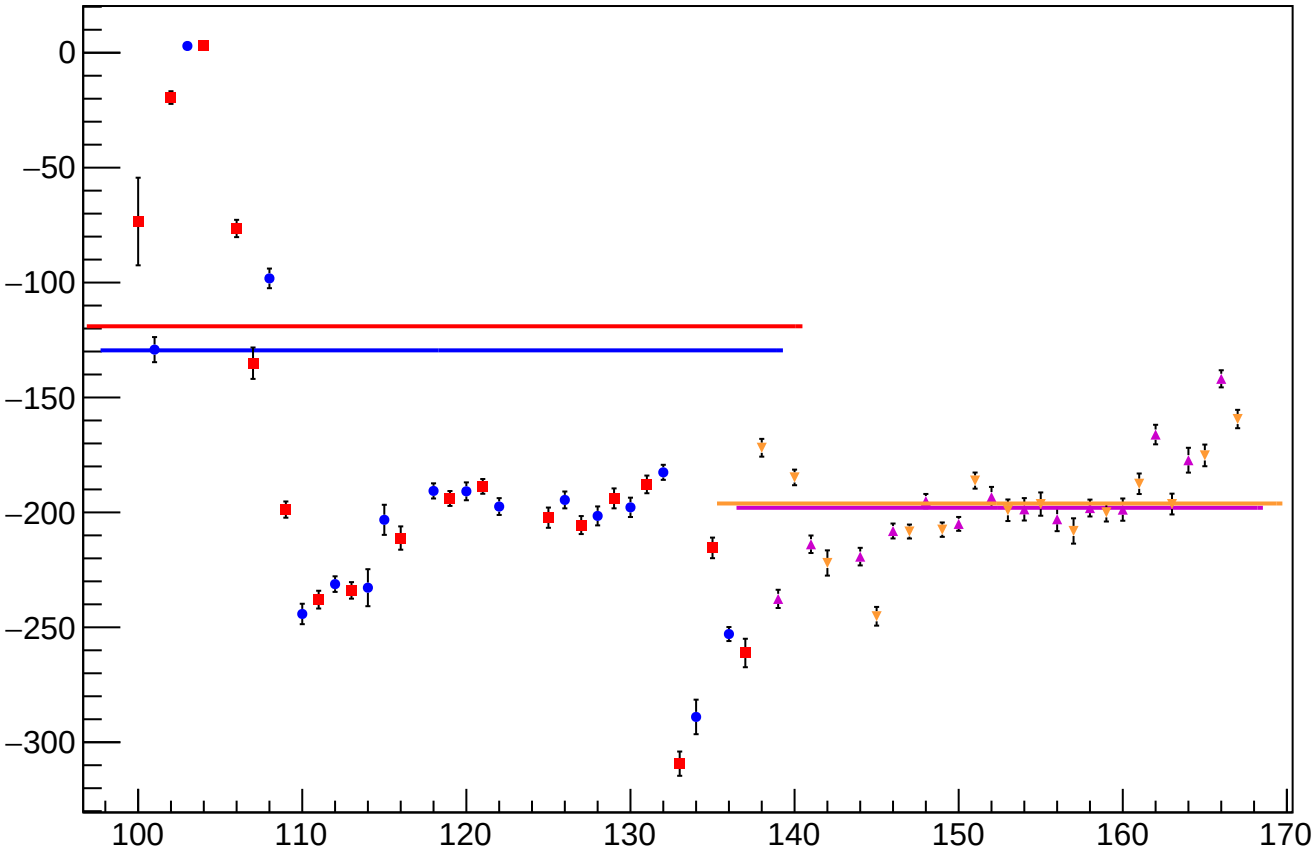
Left: -8.240+/-0.505 χ^2/NDF: 432.0/28

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.359+/-0.546 χ^2/NDF:315.4/29

Out: -5.453+/-0.520 χ^2/NDF:285.3/32

All: -5.408+/-0.377 χ^2/NDF: 600.8/62



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -196.124+/-1.040 χ^2/NDF:369.2/14

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -197.990+/-1.045 χ^2/NDF:463.8/13

Left: -197.053+/-0.737 χ^2/NDF: 834.6/28

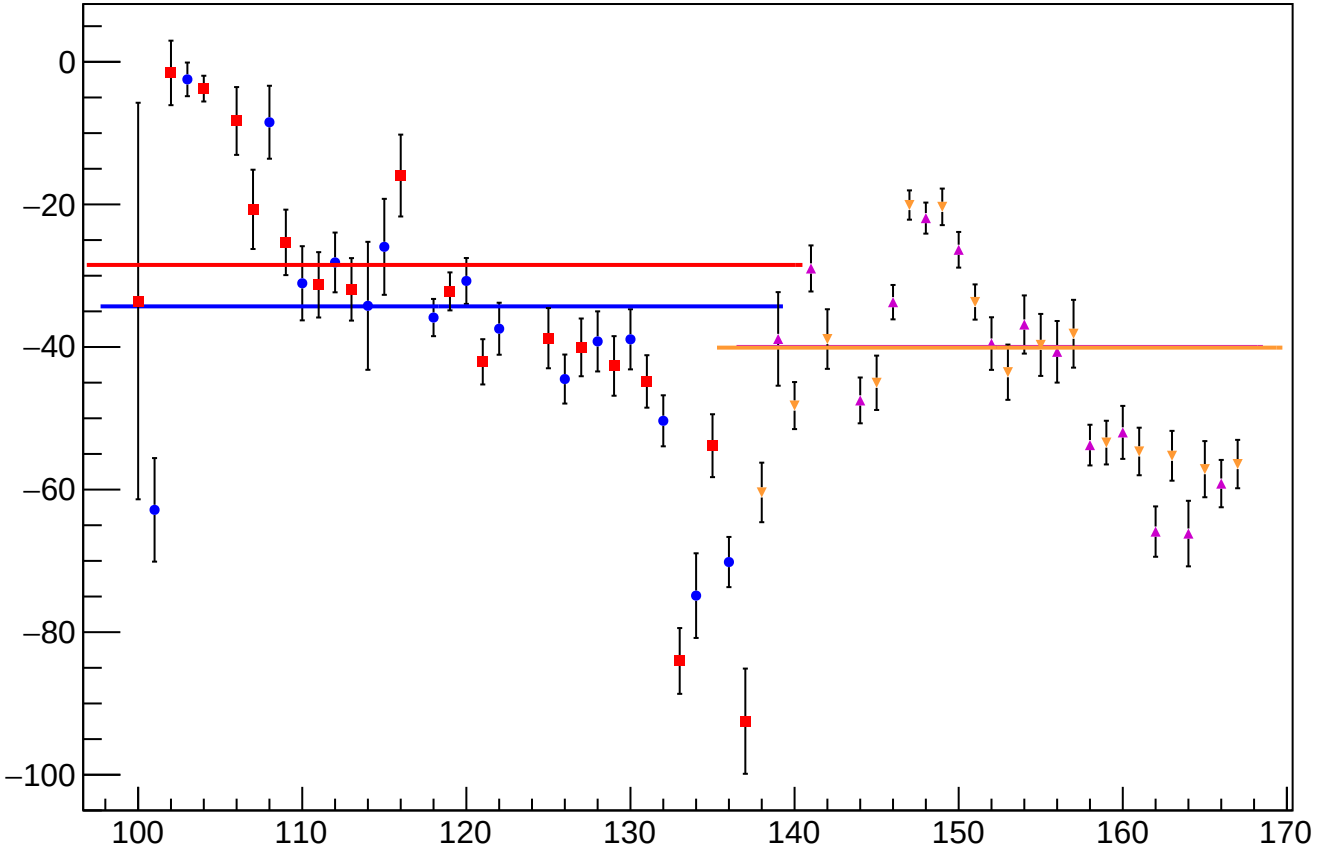
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -156.645+/-0.658 χ^2/NDF:17747.3/29

Out: -148.275+/-0.640 χ^2/NDF:19960.5/32

All: -152.348+/-0.459 χ^2/NDF: 37791.0/62

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -40.088+/-0.839 χ^2/NDF:292.1/14

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -39.992+/-0.858 χ^2/NDF:276.2/13

Left: -40.041+/-0.600 χ^2/NDF: 568.3/28

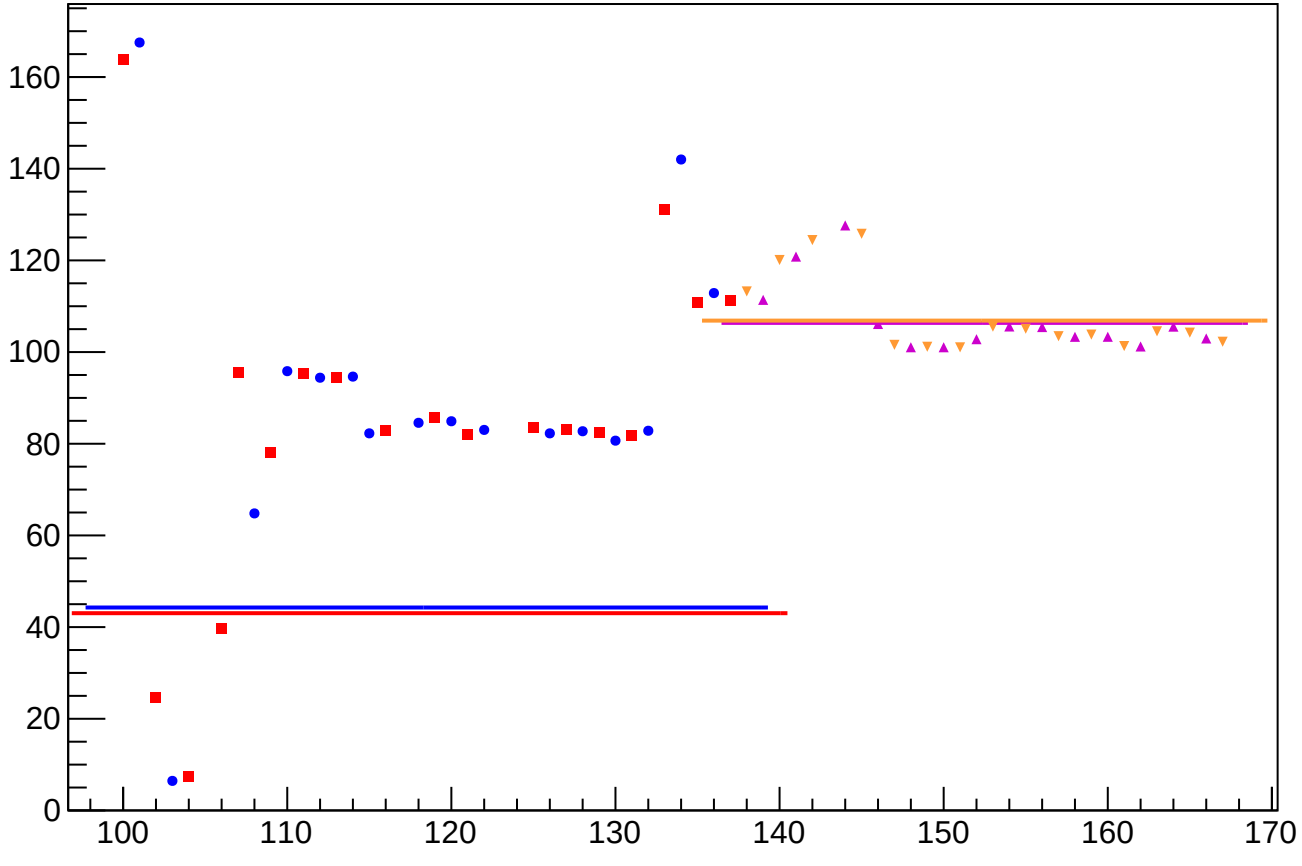
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -37.487+/-0.642 χ^2/NDF:706.9/29

Out: -34.740+/-0.616 χ^2/NDF:948.3/32

All: -36.056+/-0.444 χ^2/NDF: 1664.7/62

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 106.863+/-0.040 χ^2/NDF:37977.2/14

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 106.367+/-0.040 χ^2/NDF:31903.9/13

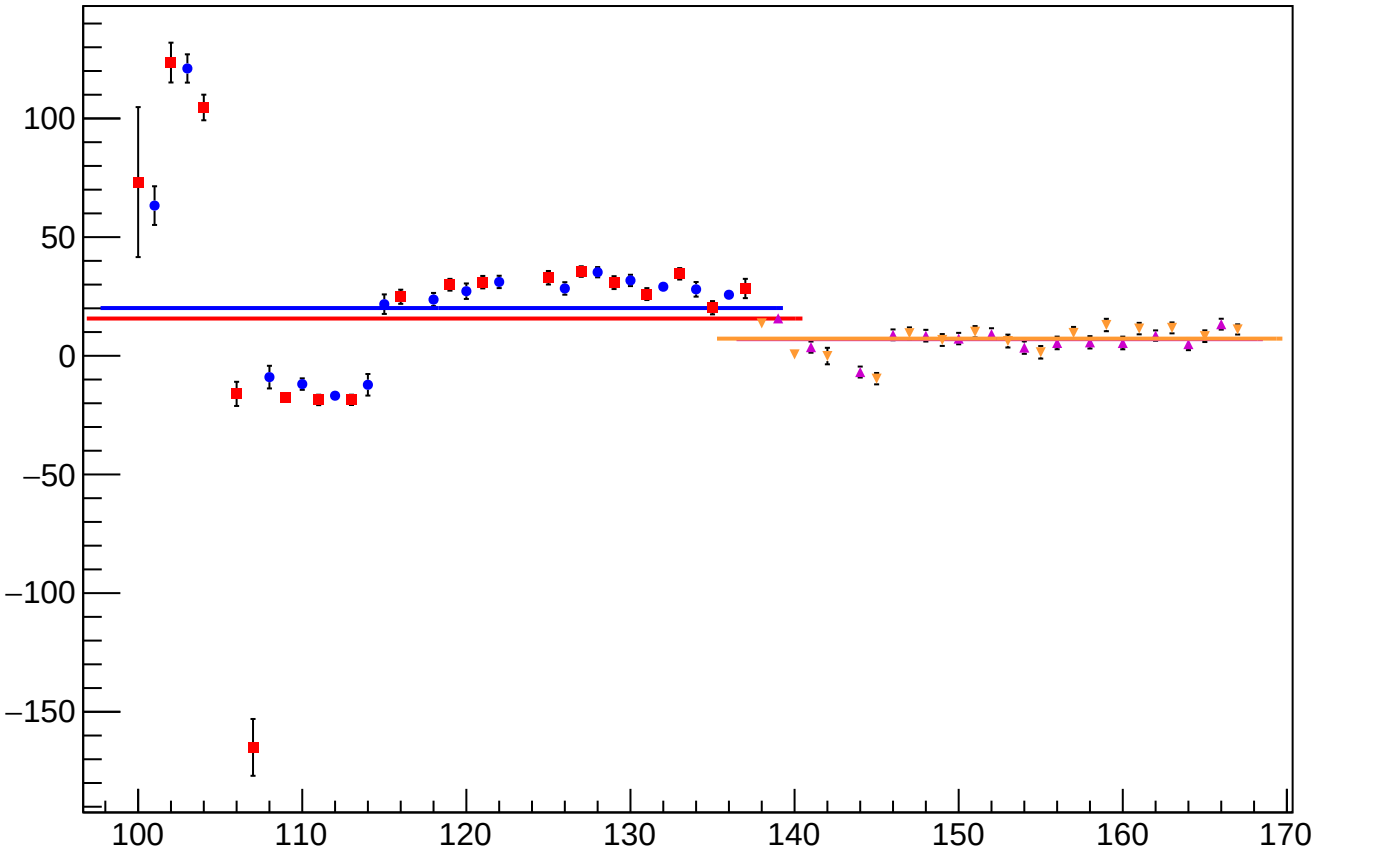
Left: 106.615+/-0.028 χ^2/NDF: 69957.3/28

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 78.802+/-0.030 χ^2/NDF:2178482.0/29

Out: 78.590+/-0.030 χ^2/NDF:1962018.3/32

All: 78.696+/-0.021 χ^2/NDF: 4140525.1/62



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 7.232+/-0.628 χ^2/NDF:97.0/14

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 7.010+/-0.640 χ^2/NDF:70.4/13

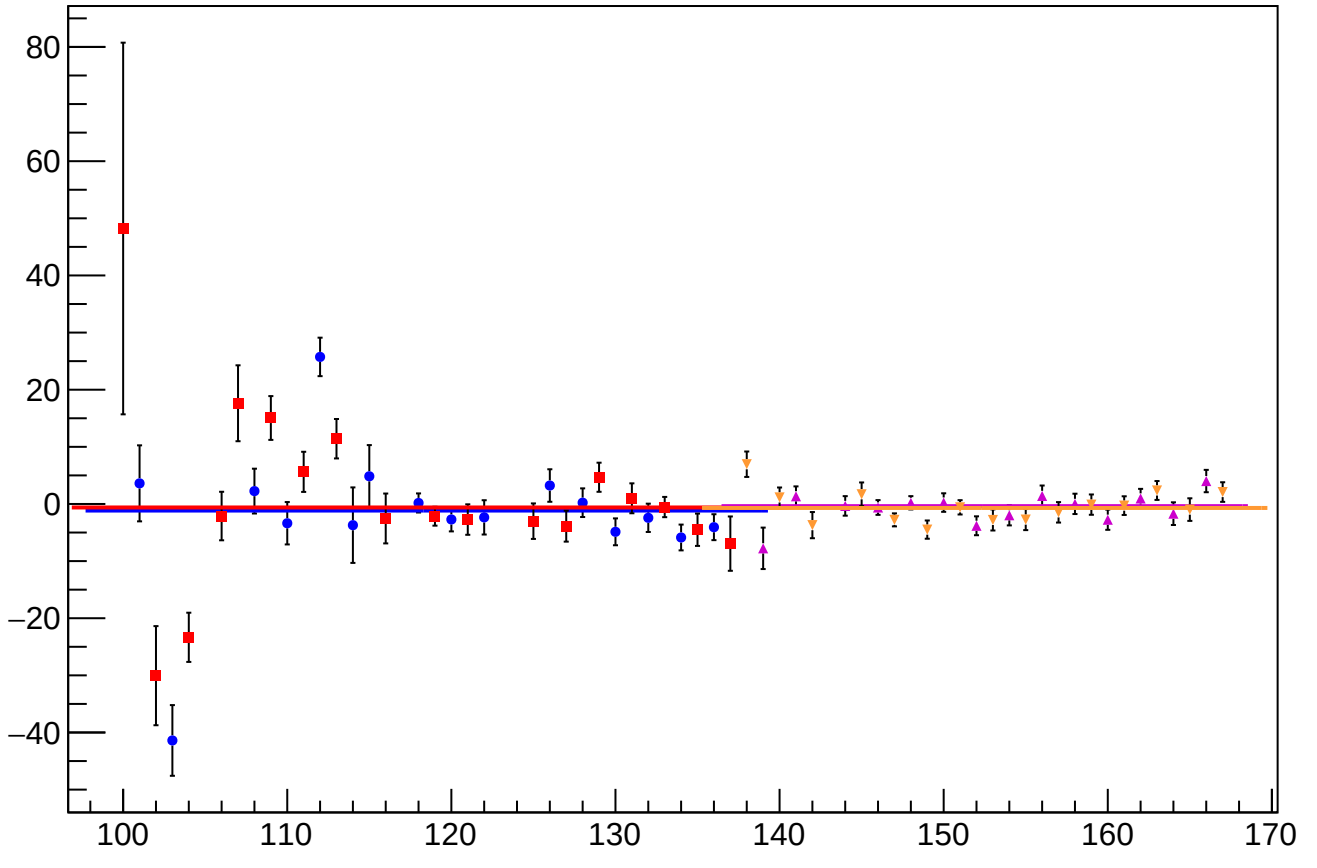
Left: 7.124+/-0.448 χ^2/NDF: 167.5/28

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.100+/-0.468 χ^2/NDF:1313.4/29

Out: 11.116+/-0.462 χ^2/NDF:1954.3/32

All: 12.094+/-0.329 χ^2/NDF: 3276.7/62



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.699+/-0.434 χ^2/NDF:34.0/14

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.381+/-0.449 χ^2/NDF:19.6/13

Left: -0.545+/-0.312 χ^2/NDF: 53.9/28

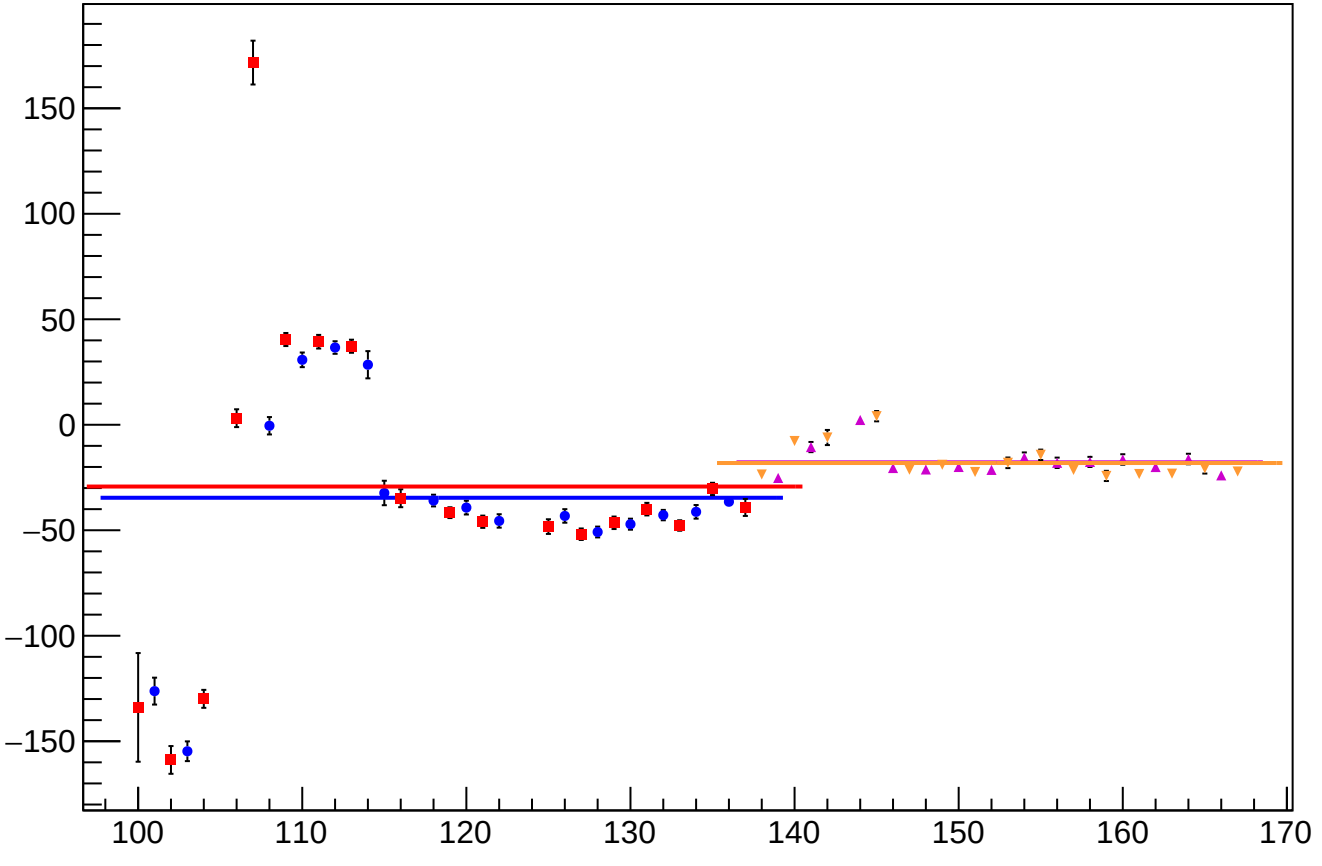
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.606+/-0.378 χ^2/NDF:142.3/29

Out: -0.676+/-0.371 χ^2/NDF:127.4/32

All: -0.642+/-0.265 χ^2/NDF: 269.7/62

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -18.128+/-0.611 χ^2/NDF:155.1/14

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.796+/-0.620 χ^2/NDF:109.6/13

Left: -17.965+/-0.435 χ^2/NDF: 264.8/28

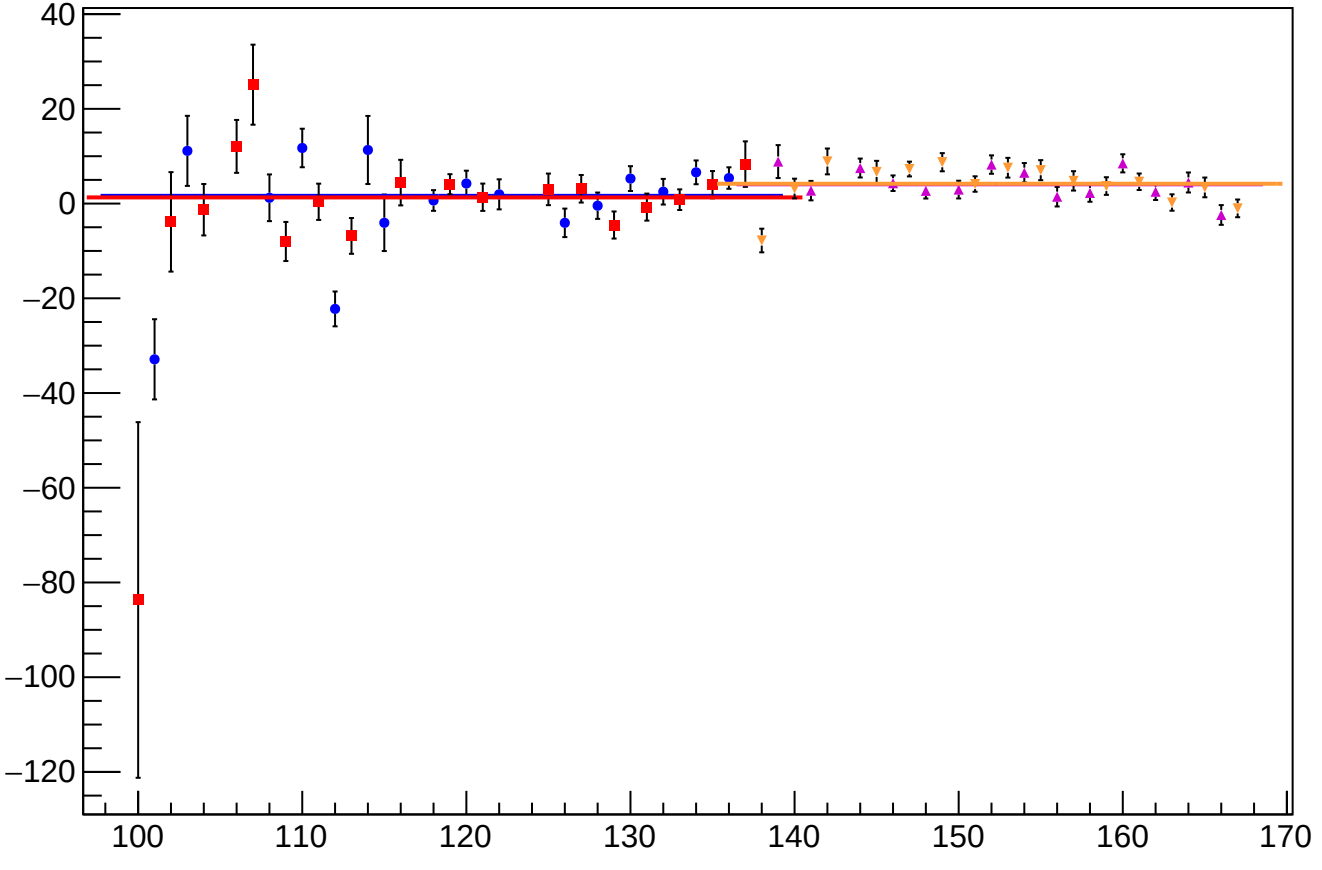
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.244+/-0.487 χ^2/NDF:2449.5/29

Out: -22.235+/-0.485 χ^2/NDF:3358.9/32

All: -23.236+/-0.344 χ^2/NDF: 5816.9/62

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.186+/-0.504 χ^2/NDF:54.8/14

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.071+/-0.521 χ^2/NDF:30.8/13

Left: 4.131+/-0.362 χ^2/NDF: 85.6/28

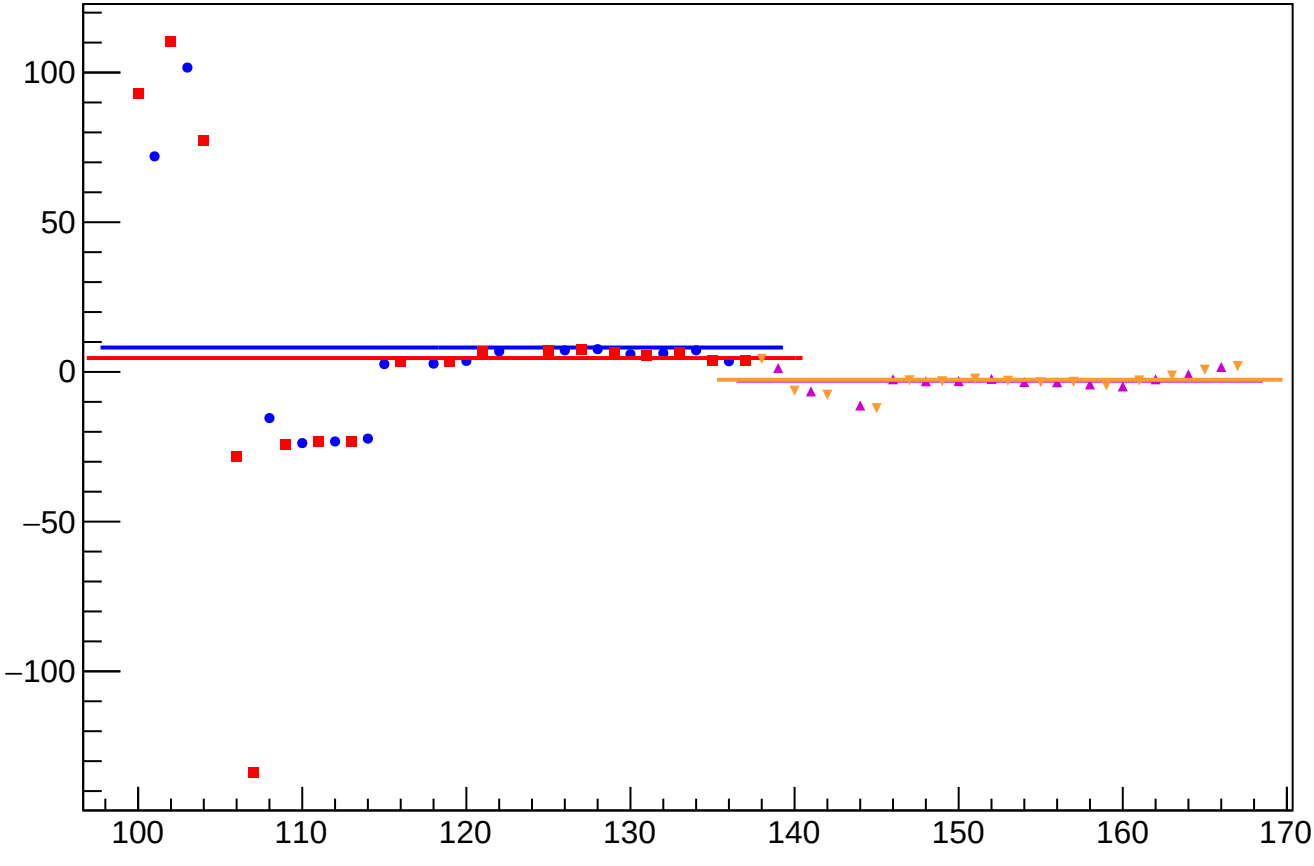
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.341+/-0.436 χ^2/NDF:120.7/29

Out: 3.388+/-0.429 χ^2/NDF:101.4/32

All: 3.365+/-0.306 χ^2/NDF: 222.0/62

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -2.622+/-0.023 χ^2/NDF:24693.4/14

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -2.914+/-0.023 χ^2/NDF:14412.1/13

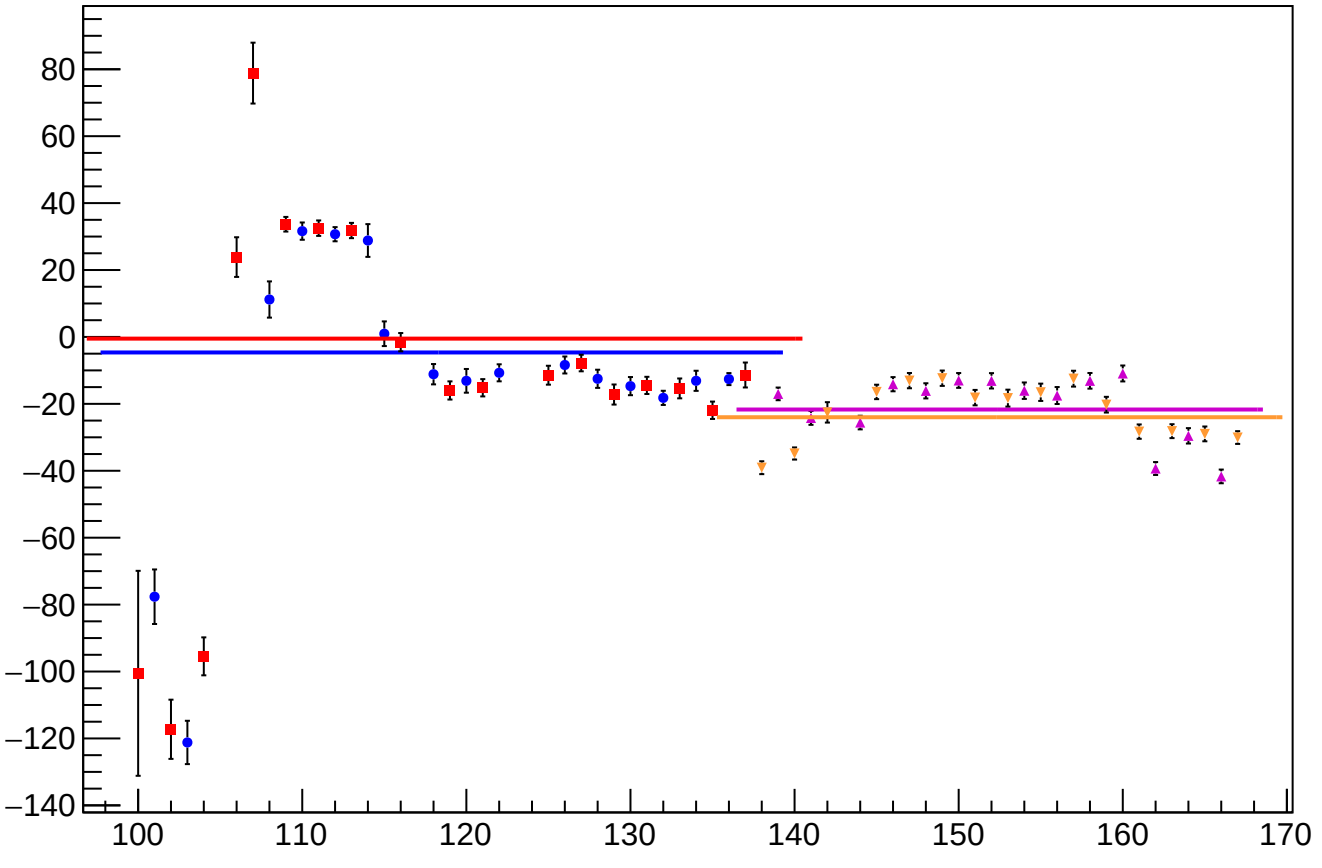
Left: -2.766+/-0.016 χ^2/NDF: 39185.4/28

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.827+/-0.021 χ^2/NDF:370179.3/29

Out: -1.432+/-0.021 χ^2/NDF:487997.0/32

All: -1.131+/-0.015 χ^2/NDF: 858592.3/62



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -24.000+/-0.572 χ^2/NDF:227.8/14

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -21.693+/-0.583 χ^2/NDF:291.8/13

Left: -22.869+/-0.408 χ^2/NDF: 527.7/28

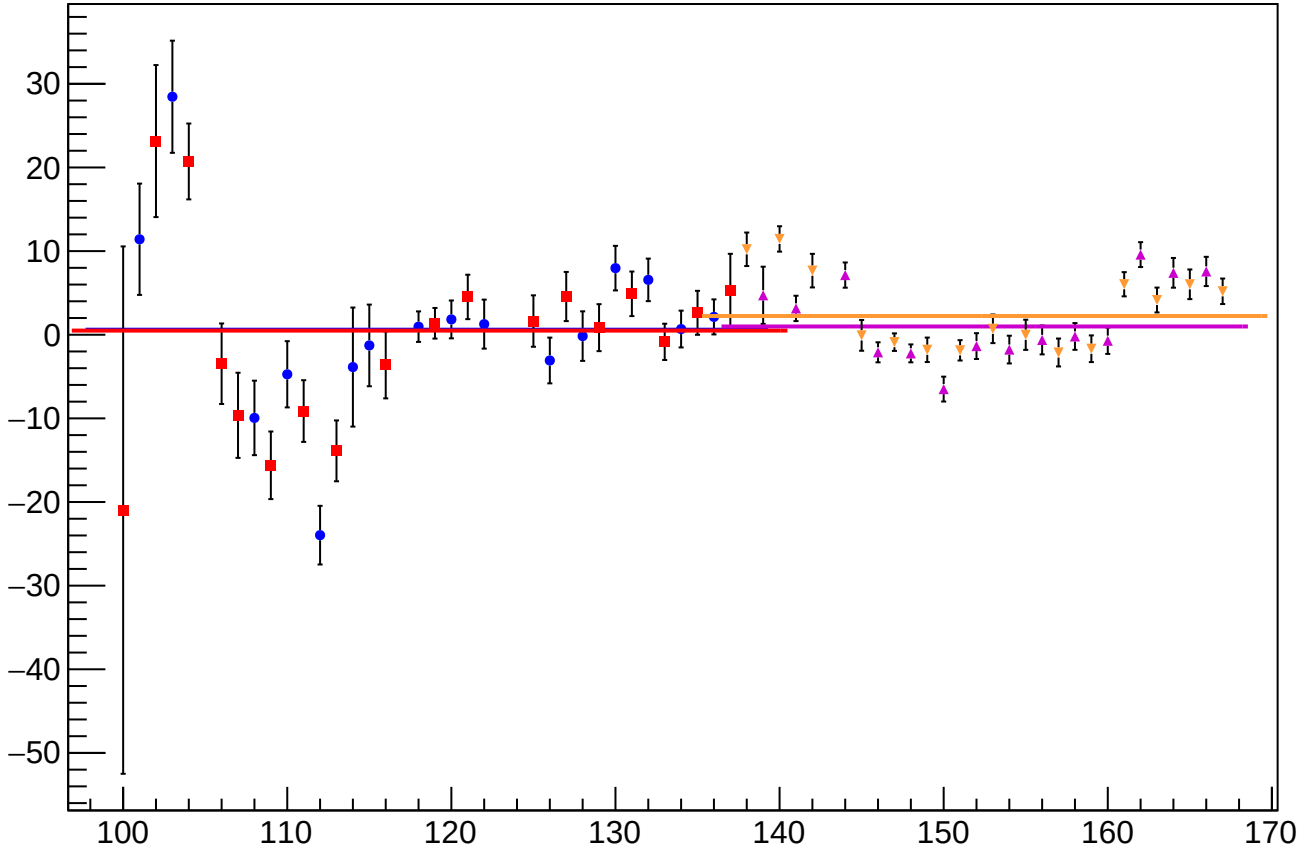
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -14.843+/-0.451 χ^2/NDF:1681.7/29

Out: -14.775+/-0.445 χ^2/NDF:2349.1/32

All: -14.808+/-0.317 χ^2/NDF: 4030.9/62

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 2.238+/-0.397 χ^2/NDF:121.5/14

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.989+/-0.409 χ^2/NDF:129.0/13

Left: 1.632+/-0.285 χ^2/NDF: 255.3/28

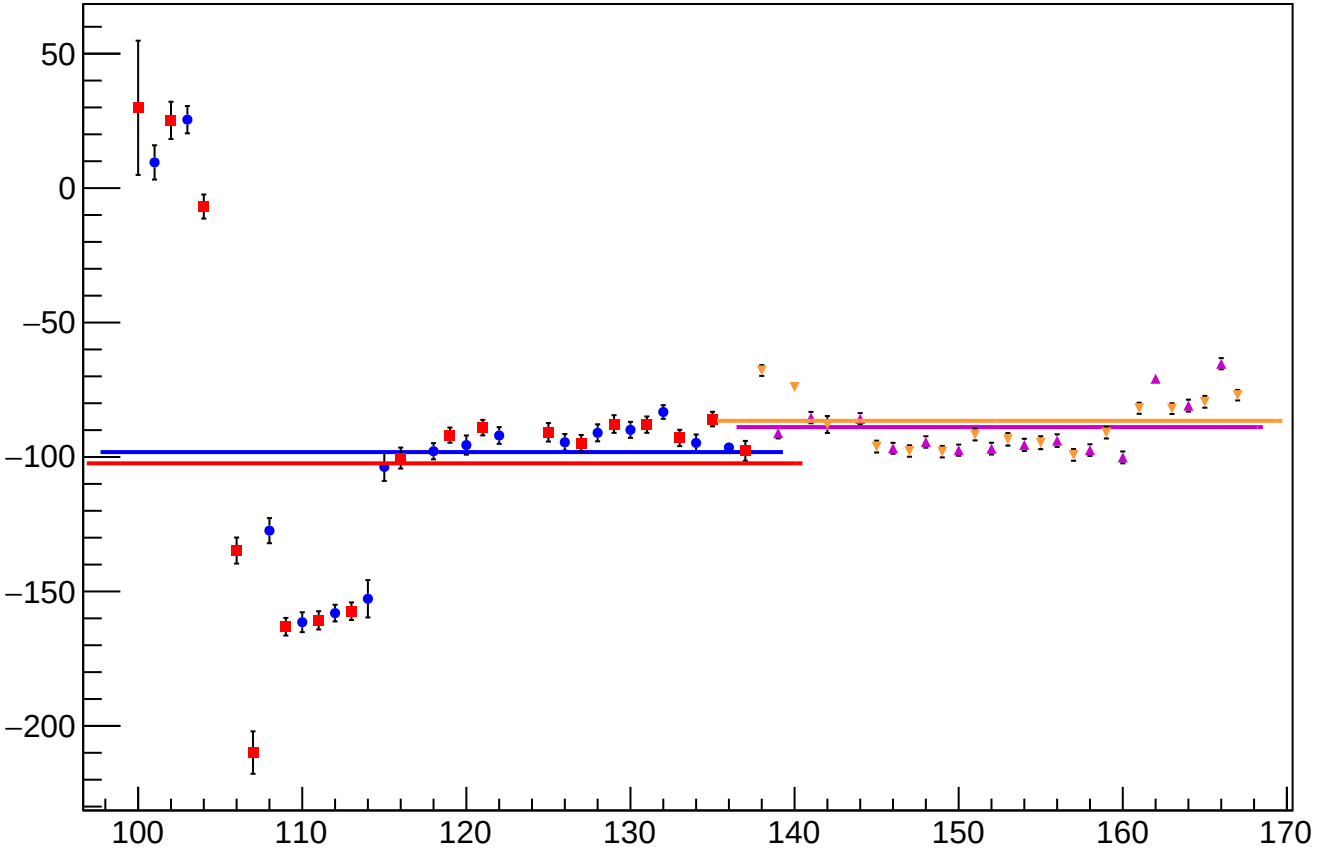
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 0.896+/-0.356 χ^2/NDF:222.1/29

Out: 1.861+/-0.351 χ^2/NDF:205.8/32

All: 1.385+/-0.250 χ^2/NDF: 431.6/62

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -86.529+/-0.557 χ^2/NDF:315.8/14

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -88.869+/-0.565 χ^2/NDF:347.8/13

Left: -87.682+/-0.397 χ^2/NDF: 672.4/28

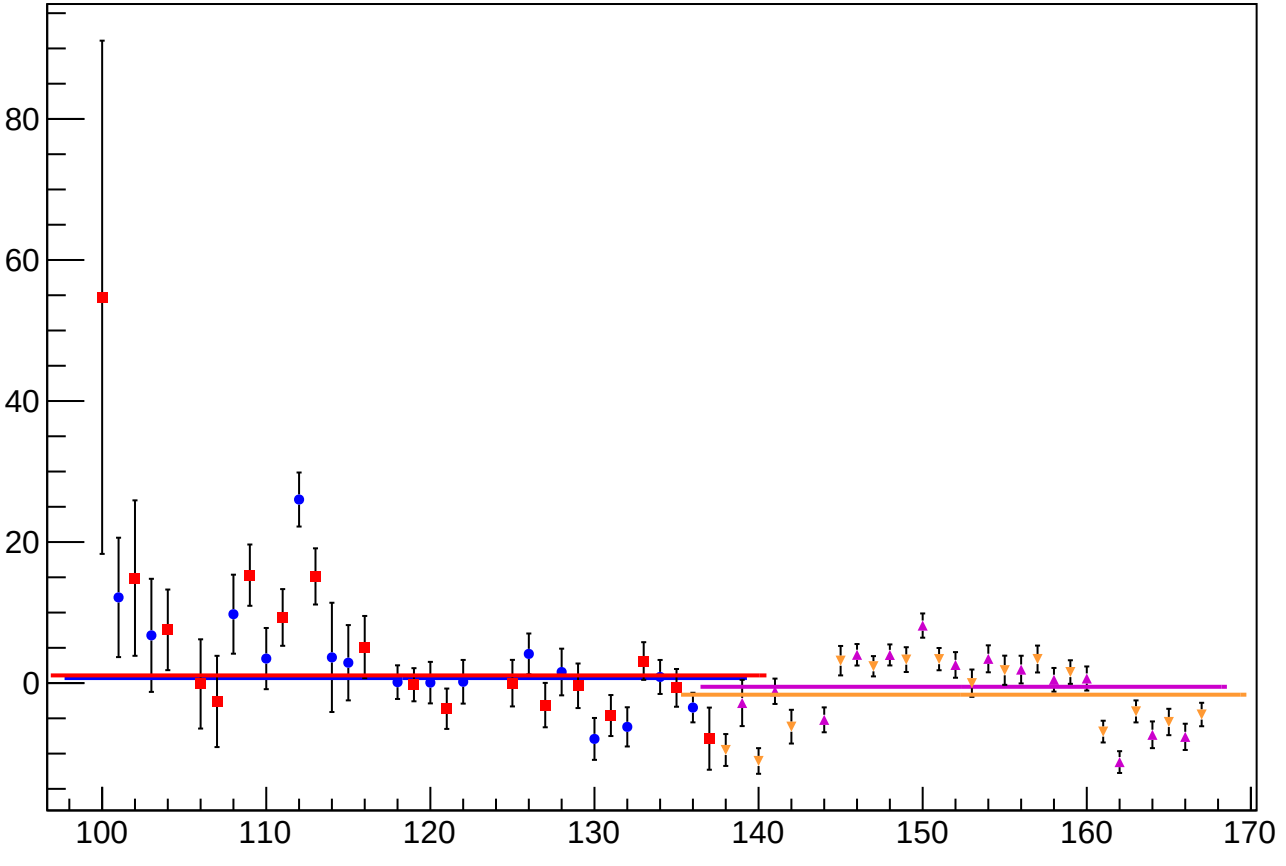
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -91.902+/-0.464 χ^2/NDF:2136.0/29

Out: -91.385+/-0.464 χ^2/NDF:2681.0/32

All: -91.643+/-0.328 χ^2/NDF: 4817.6/62

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.646+/-0.460 χ^2/NDF:109.0/14

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.525+/-0.473 χ^2/NDF:136.0/13

Left: -1.102+/-0.330 χ^2/NDF: 247.9/28

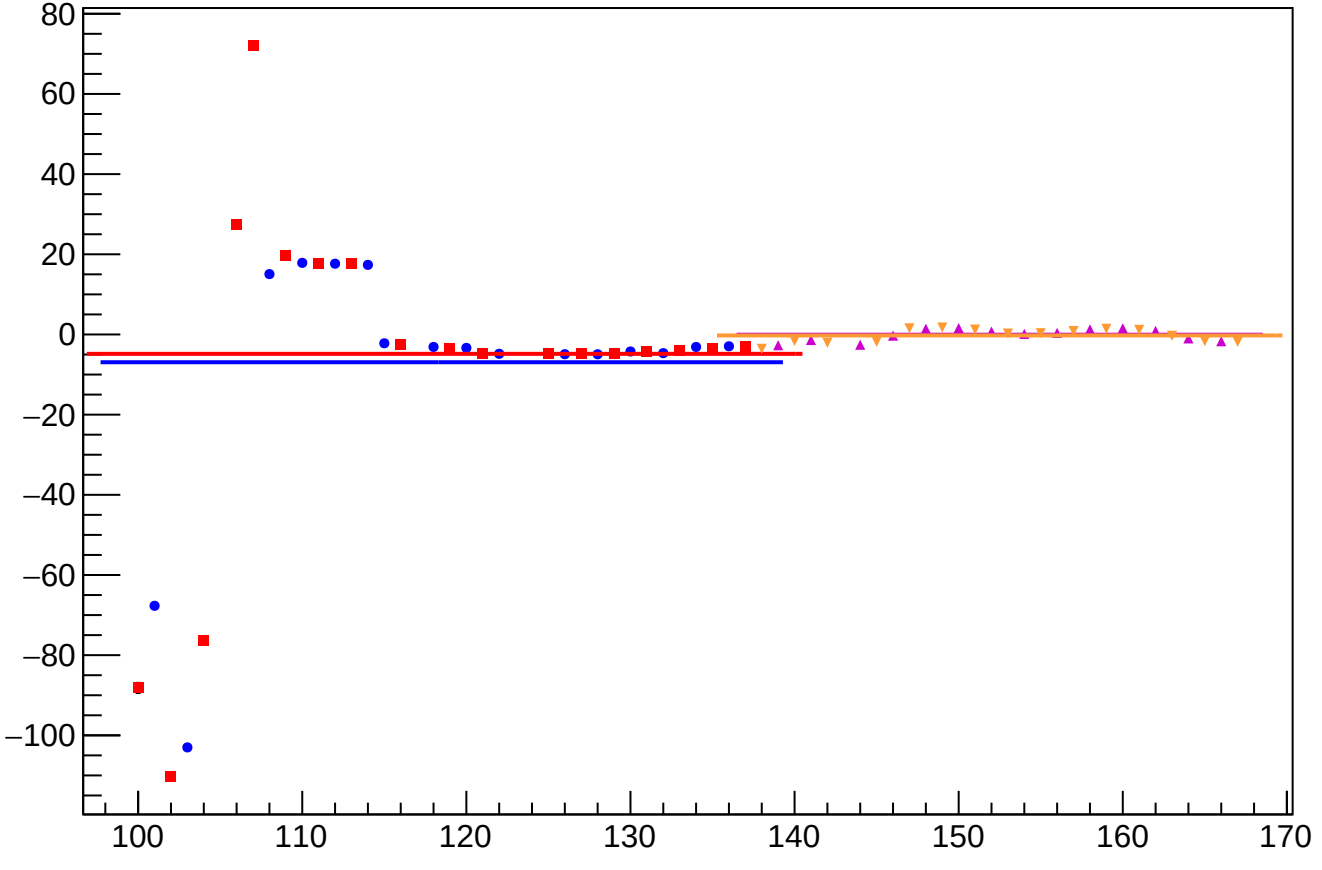
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -0.217+/-0.410 χ^2/NDF:207.3/29

Out: -1.034+/-0.405 χ^2/NDF:164.6/32

All: -0.630+/-0.288 χ^2/NDF: 373.9/62

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.246+/-0.021 χ^2/NDF:5686.5/14

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.055+/-0.021 χ^2/NDF:4623.7/13

Left: -0.152+/-0.015 χ^2/NDF: 10351.0/28

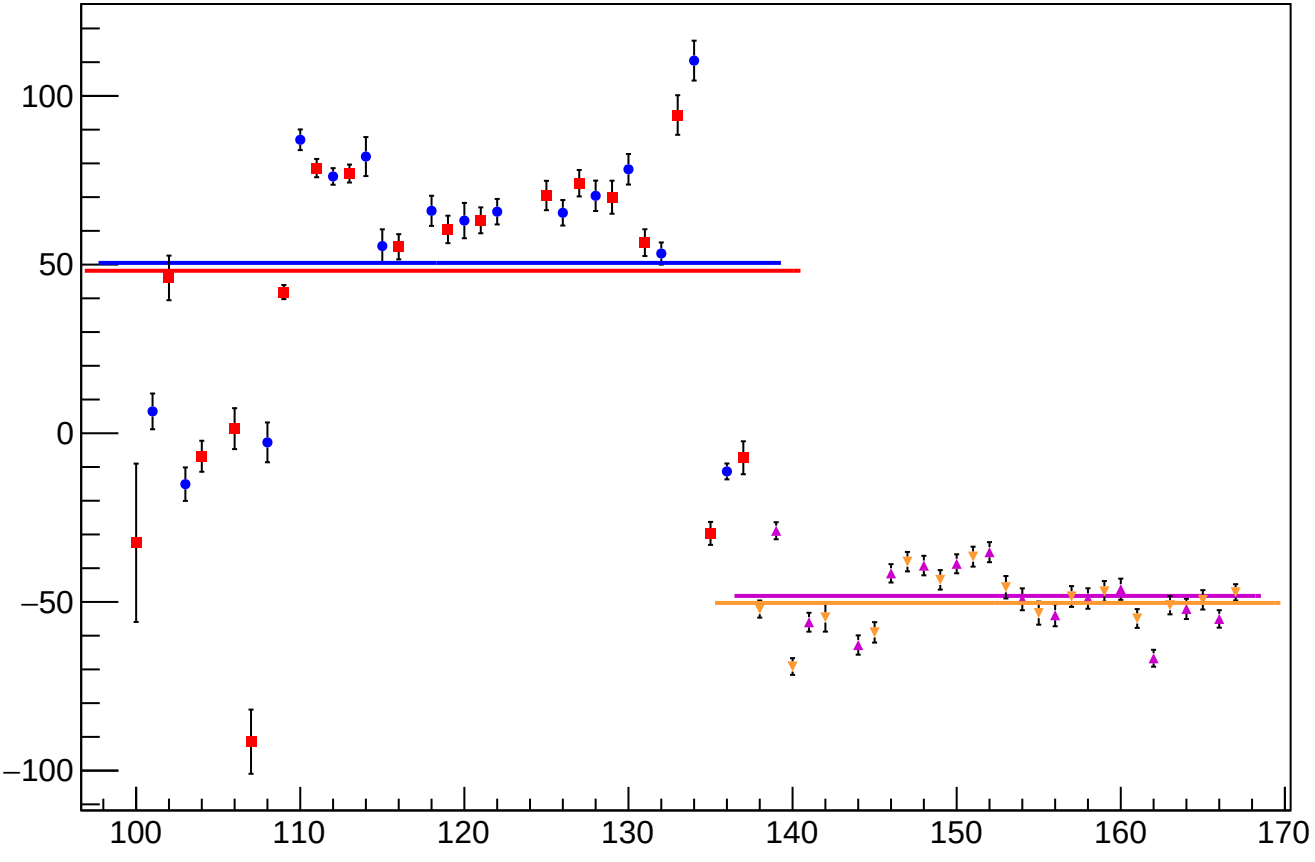
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.166+/-0.020 χ^2/NDF:286621.1/29

Out: -0.868+/-0.019 χ^2/NDF:351572.0/32

All: -1.017+/-0.014 χ^2/NDF: 638309.8/62

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.290+/-0.749 χ^2/NDF:121.6/14

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -48.211+/-0.763 χ^2/NDF:205.0/13

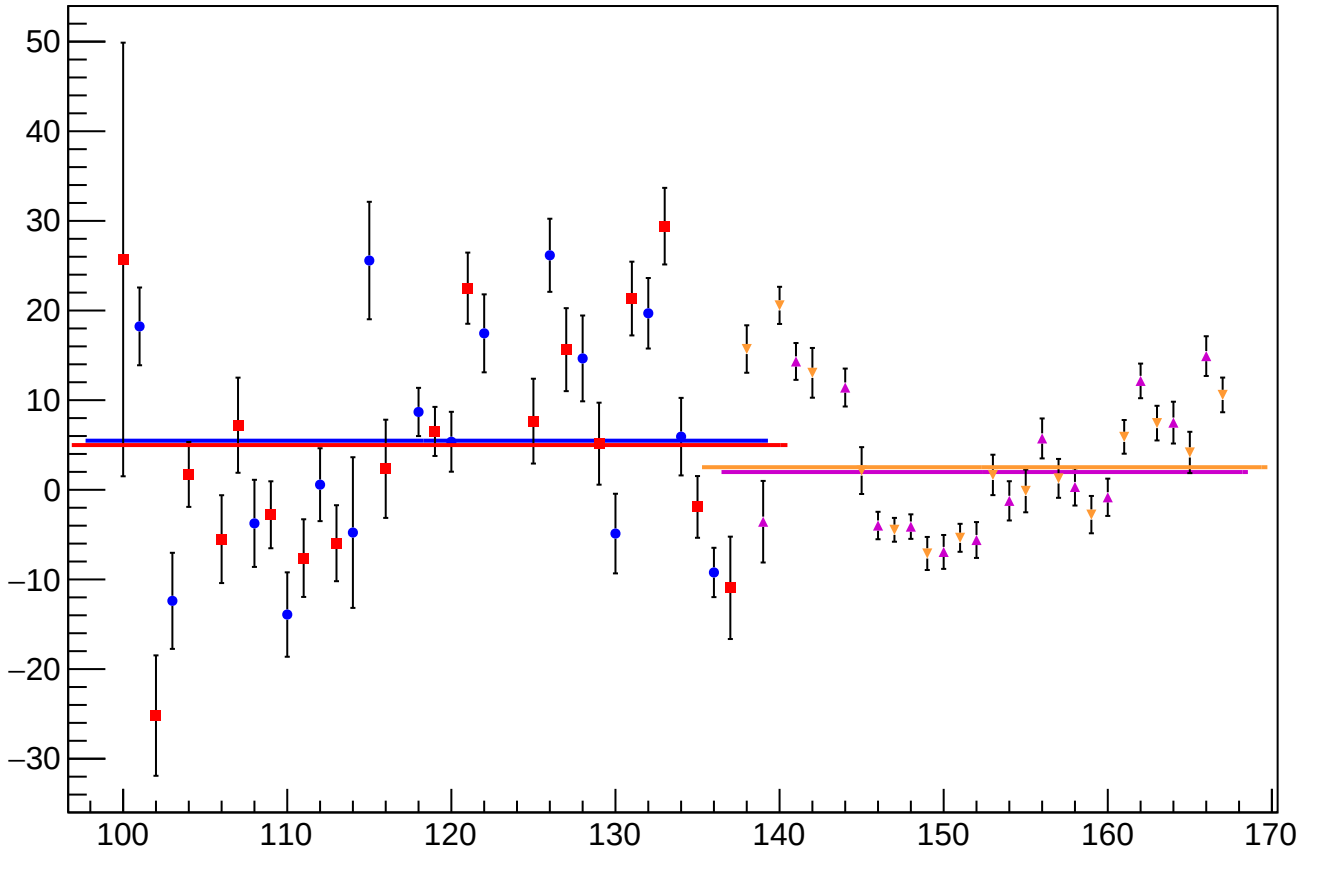
Left: -49.270+/-0.535 χ^2/NDF: 330.3/28

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -10.242+/-0.599 χ^2/NDF:8143.4/29

Out: -10.743+/-0.579 χ^2/NDF:8580.6/32

All: -10.501+/-0.416 χ^2/NDF: 16724.3/62



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 2.522+/-0.517 χ^2/NDF:231.2/14

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 1.981+/-0.532 χ^2/NDF:203.8/13

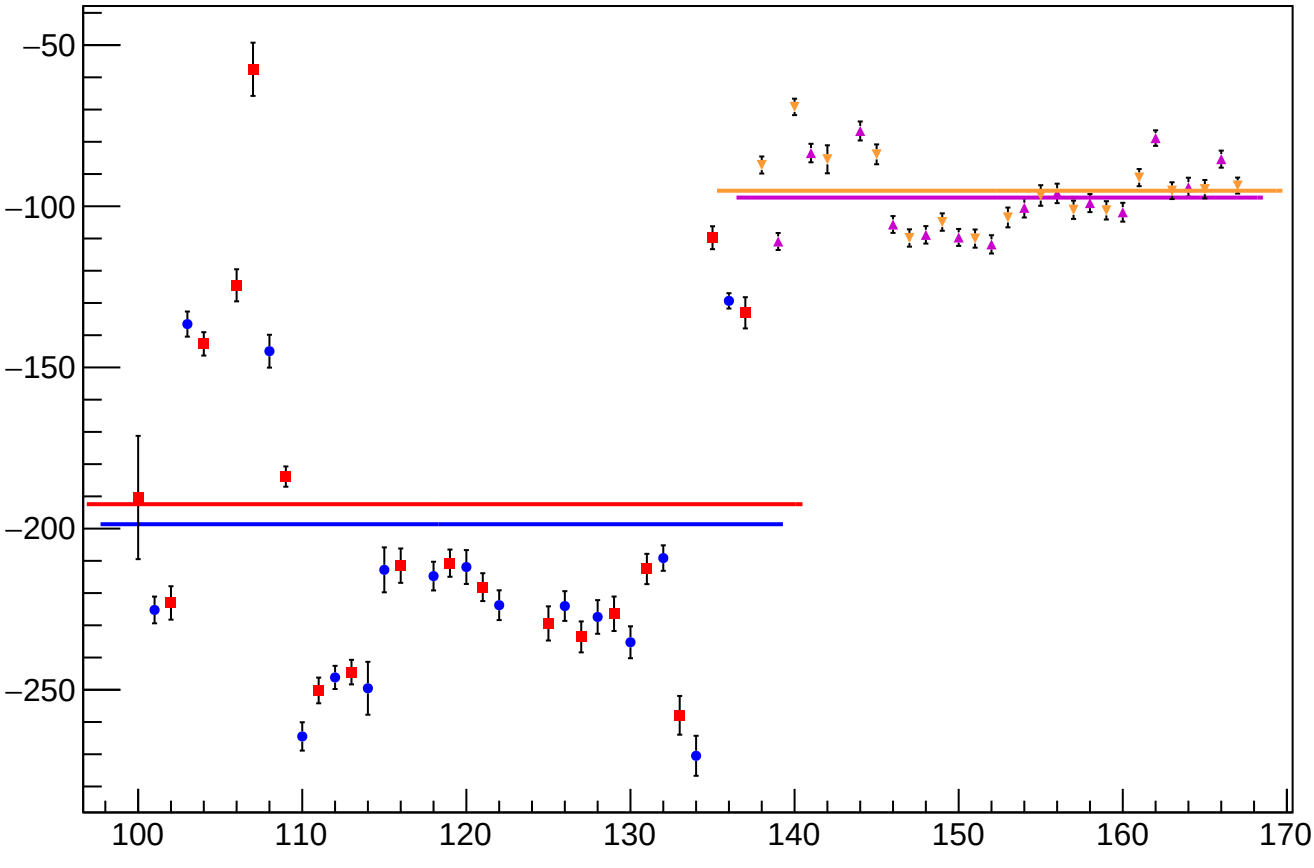
Left: 2.259+/-0.371 χ^2/NDF: 435.5/28

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

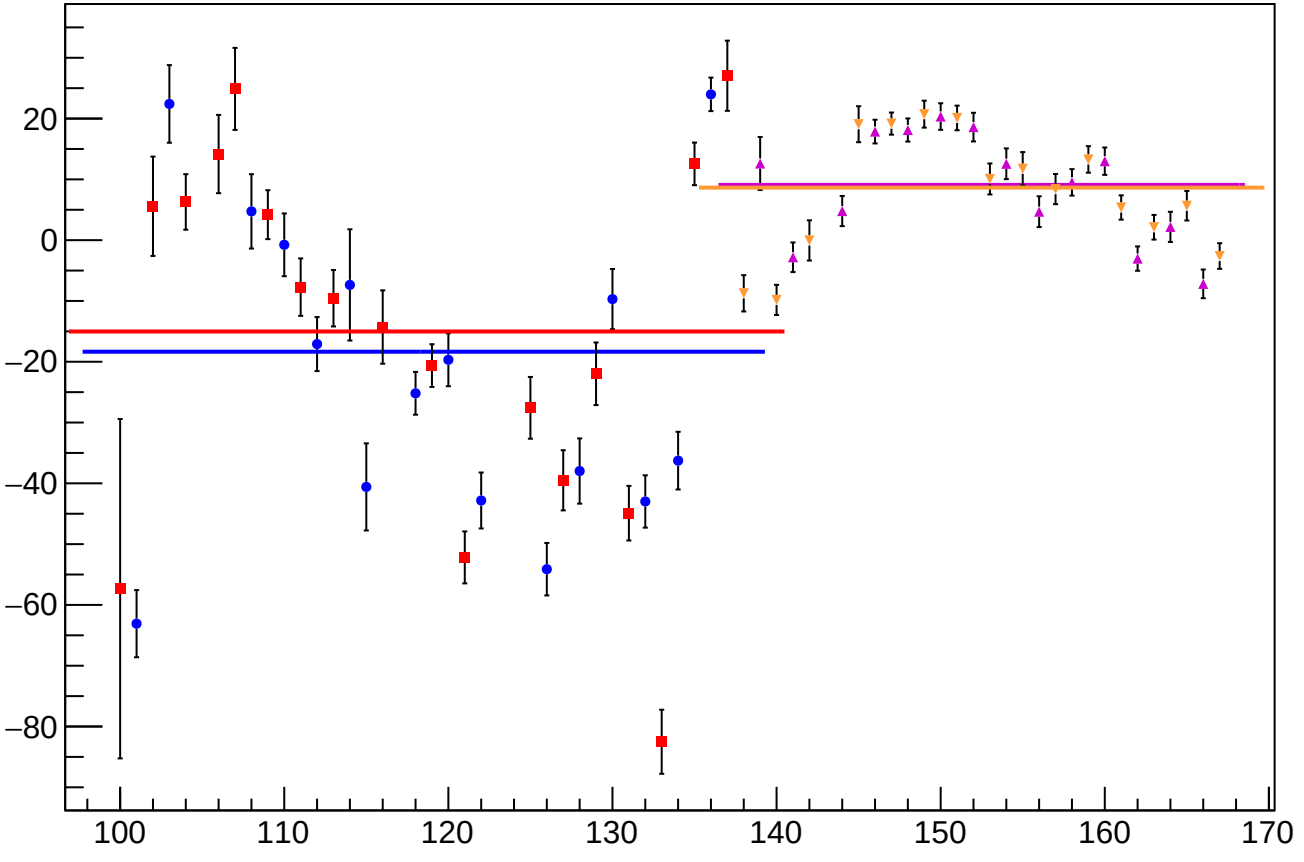
In: 2.729+/-0.472 χ^2/NDF:351.2/29

Out: 3.024+/-0.461 χ^2/NDF:367.7/32

All: 2.880+/-0.330 χ^2/NDF: 719.1/62


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -95.178+/-0.729 χ²/NDF:220.9/14
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -97.304+/-0.739 χ²/NDF:260.2/13
Left: -96.226+/-0.519 χ²/NDF: 485.3/28
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -129.494+/-0.611 χ²/NDF:8232.5/29
Out: -125.625+/-0.604 χ²/NDF:7932.2/32
All: -127.539+/-0.429 χ²/NDF: 16185.0/62

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 8.645+/-0.600 χ^2/NDF:253.0/14

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 9.089+/-0.617 χ^2/NDF:212.9/13

Left: 8.861+/-0.430 χ^2/NDF: 466.1/28

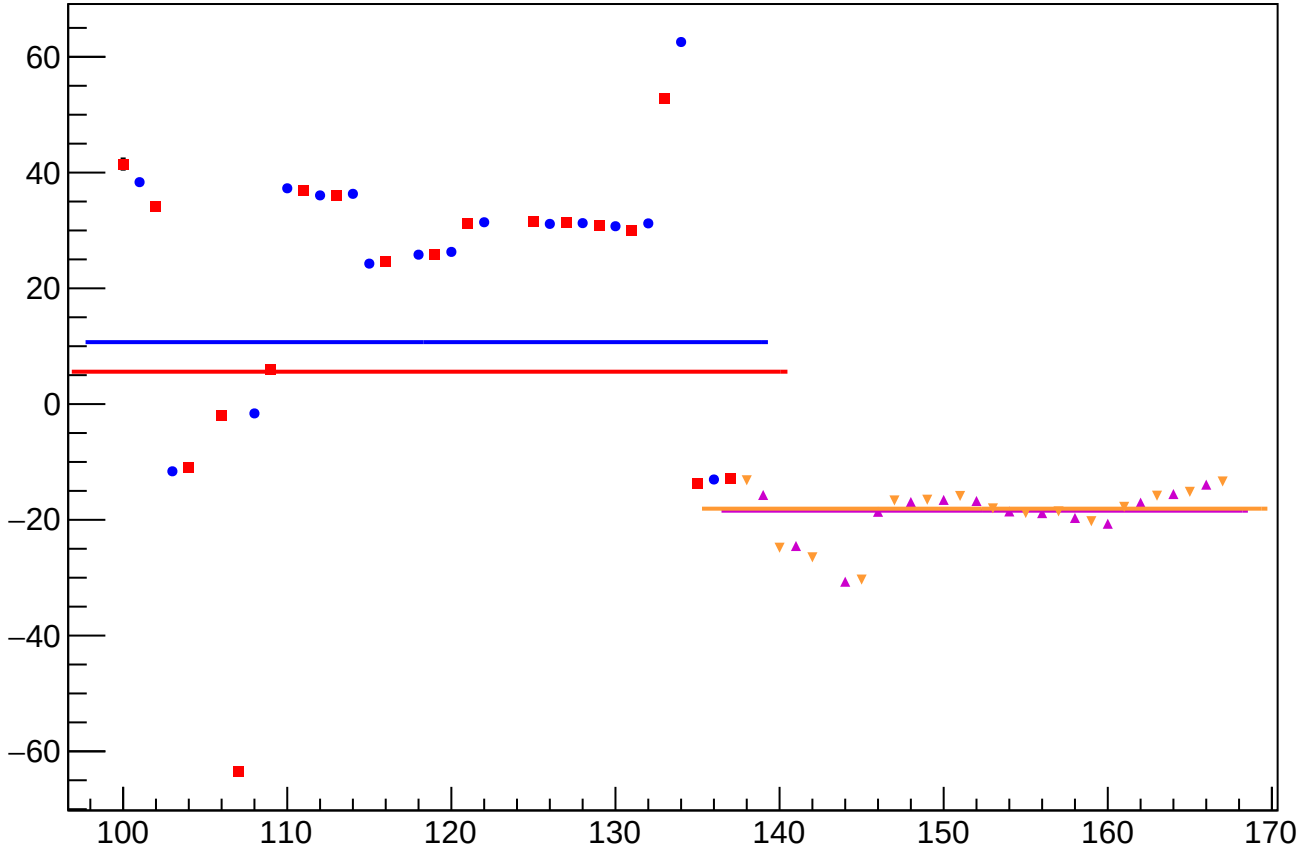
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 3.028+/-0.545 χ^2/NDF:1193.1/29

Out: 3.659+/-0.533 χ^2/NDF:1127.0/32

All: 3.351+/-0.381 χ^2/NDF: 2320.8/62

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -18.071+/-0.027 χ^2/NDF:23472.4/14

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -18.420+/-0.028 χ^2/NDF:16351.7/13

Left: -18.243+/-0.020 χ^2/NDF: 39903.9/28

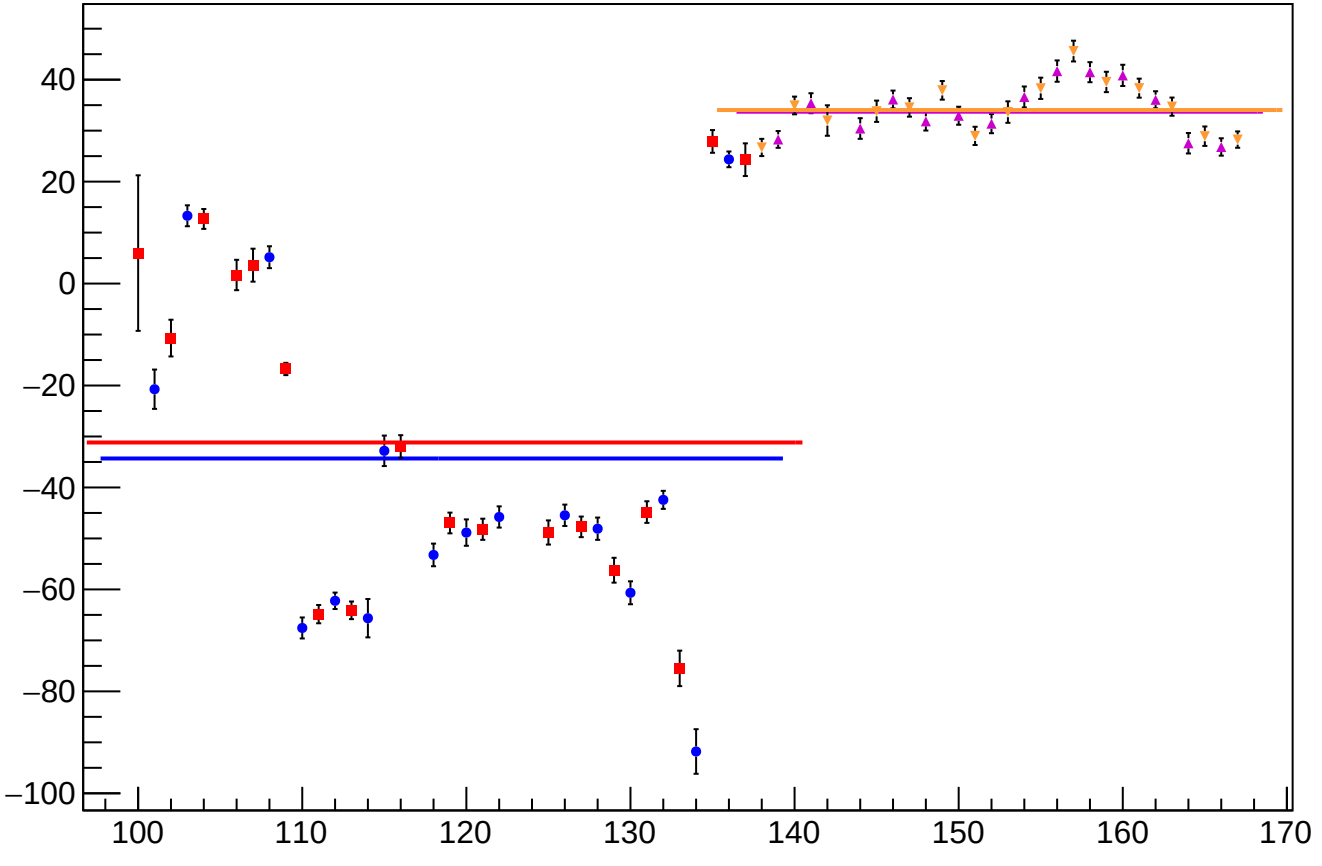
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -13.649+/-0.025 χ^2/NDF:360463.9/29

Out: -14.375+/-0.025 χ^2/NDF:295222.9/32

All: -14.017+/-0.018 χ^2/NDF: 656098.6/62

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 34.044+/-0.491 χ^2/NDF:102.0/14

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 33.714+/-0.499 χ^2/NDF:90.7/13

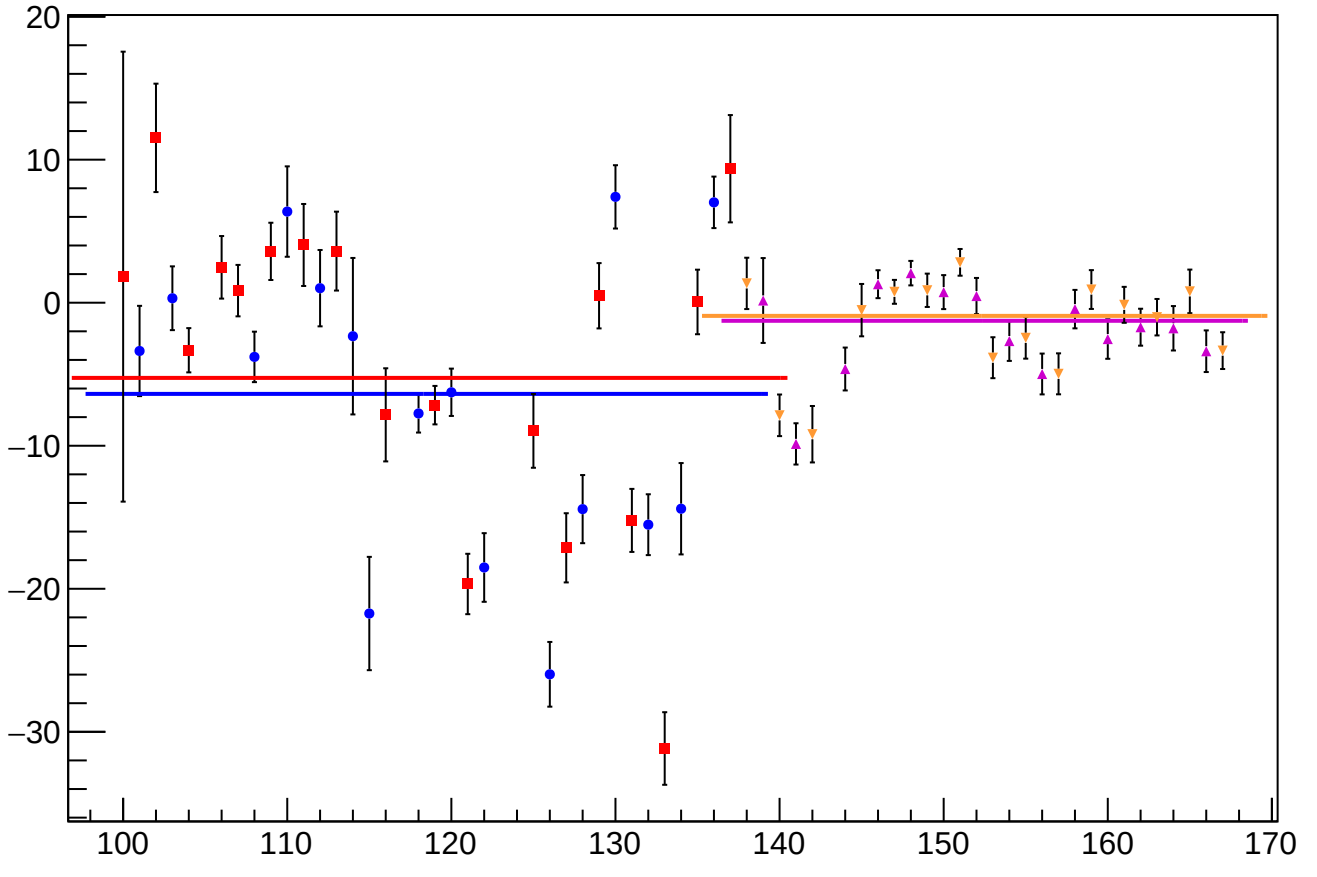
Left: 33.882+/-0.350 χ^2/NDF: 192.9/28

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 2.862+/-0.369 χ^2/NDF:12019.8/29

Out: 3.048+/-0.356 χ^2/NDF:11693.9/32

All: 2.959+/-0.256 χ^2/NDF: 23713.8/62



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.920+/-0.335 χ^2/NDF:84.9/14

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.264+/-0.346 χ^2/NDF:79.0/13

Left: -1.087+/-0.240 χ^2/NDF: 164.4/28

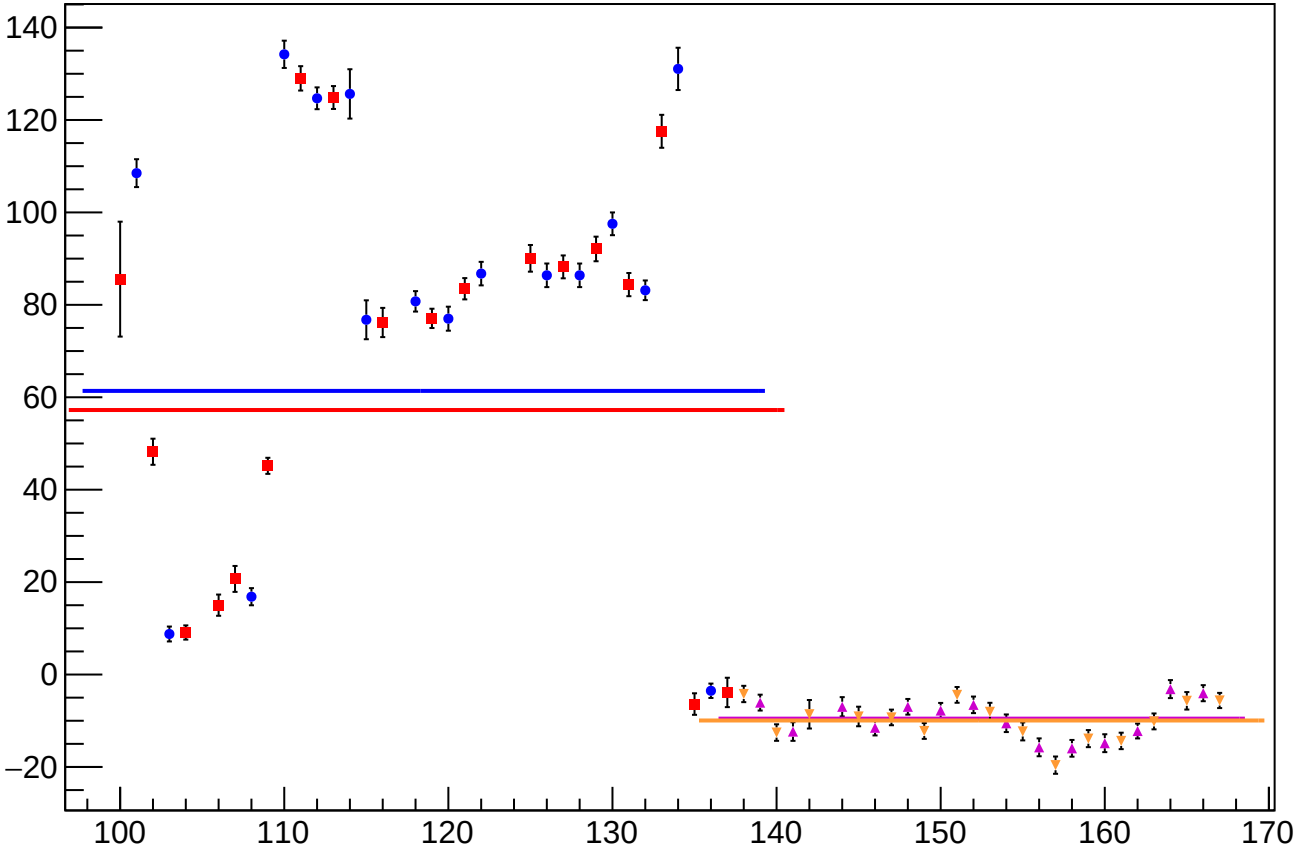
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.699+/-0.293 χ^2/NDF:424.0/29

Out: -2.148+/-0.283 χ^2/NDF:445.3/32

All: -2.414+/-0.204 χ^2/NDF: 871.1/62

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -9.943+/-0.476 χ^2/NDF:77.3/14

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.543+/-0.482 χ^2/NDF:69.3/13

Left: -9.745+/-0.339 χ^2/NDF: 147.0/28

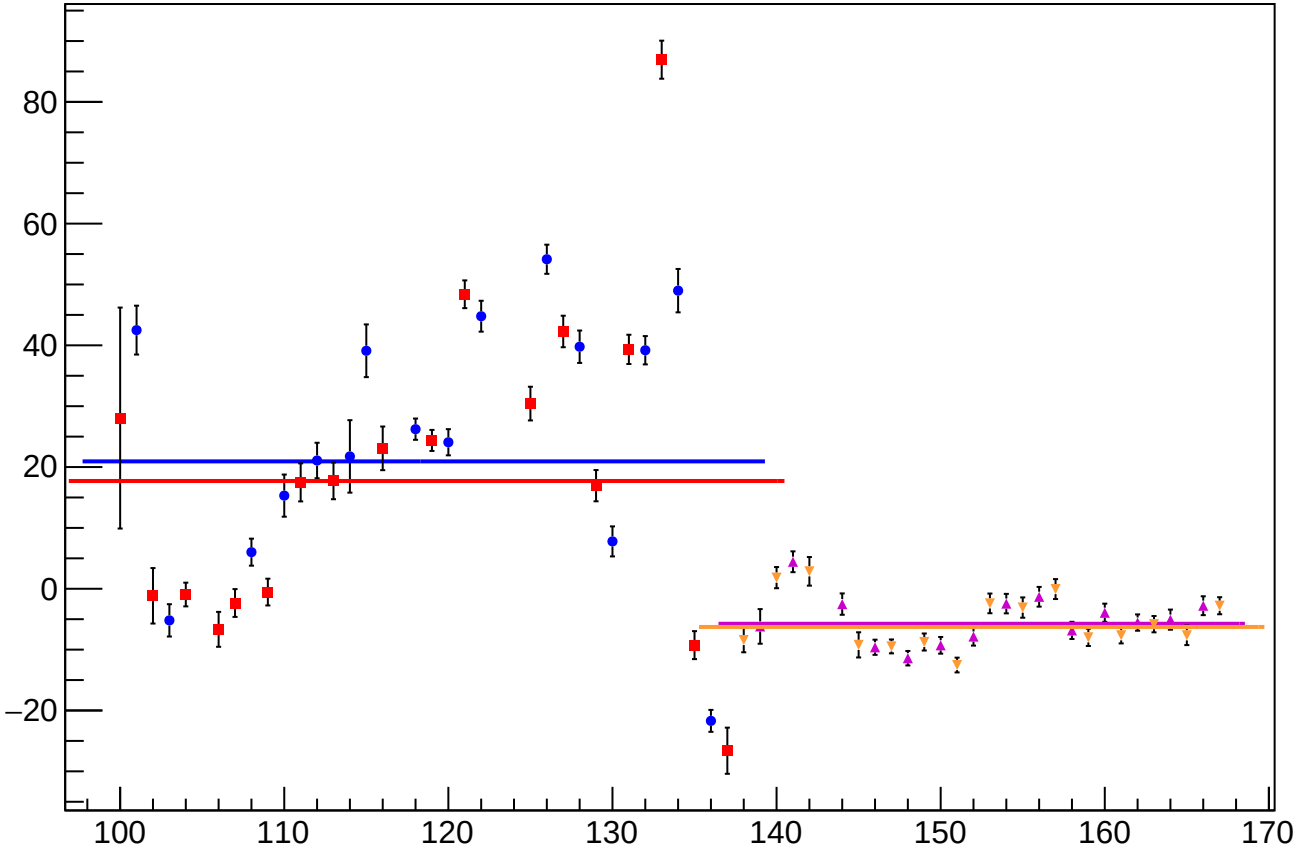
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 18.623+/-0.375 χ^2/NDF:14720.7/29

Out: 17.104+/-0.368 χ^2/NDF:13355.2/32

All: 17.850+/-0.263 χ^2/NDF: 28084.3/62

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.275+/-0.390 χ^2/NDF:110.8/14

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -5.750+/-0.402 χ^2/NDF:97.5/13

Left: -6.021+/-0.280 χ^2/NDF: 209.2/28

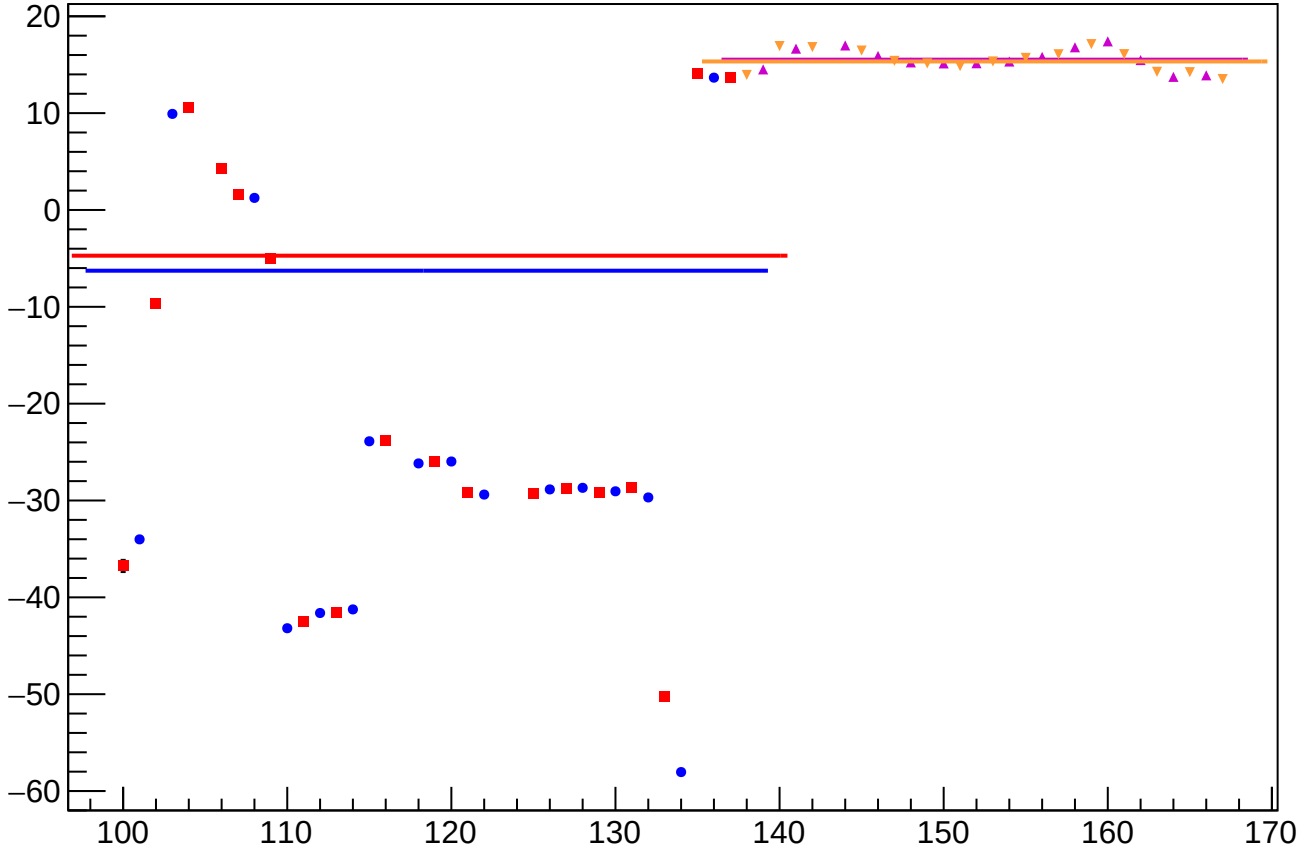
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 1.798+/-0.340 χ^2/NDF:2588.6/29

Out: 0.559+/-0.330 χ^2/NDF:2669.5/32

All: 1.159+/-0.237 χ^2/NDF: 5265.0/62

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.336+/-0.018 χ^2/NDF:3755.4/14

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.521+/-0.018 χ^2/NDF:3134.6/13

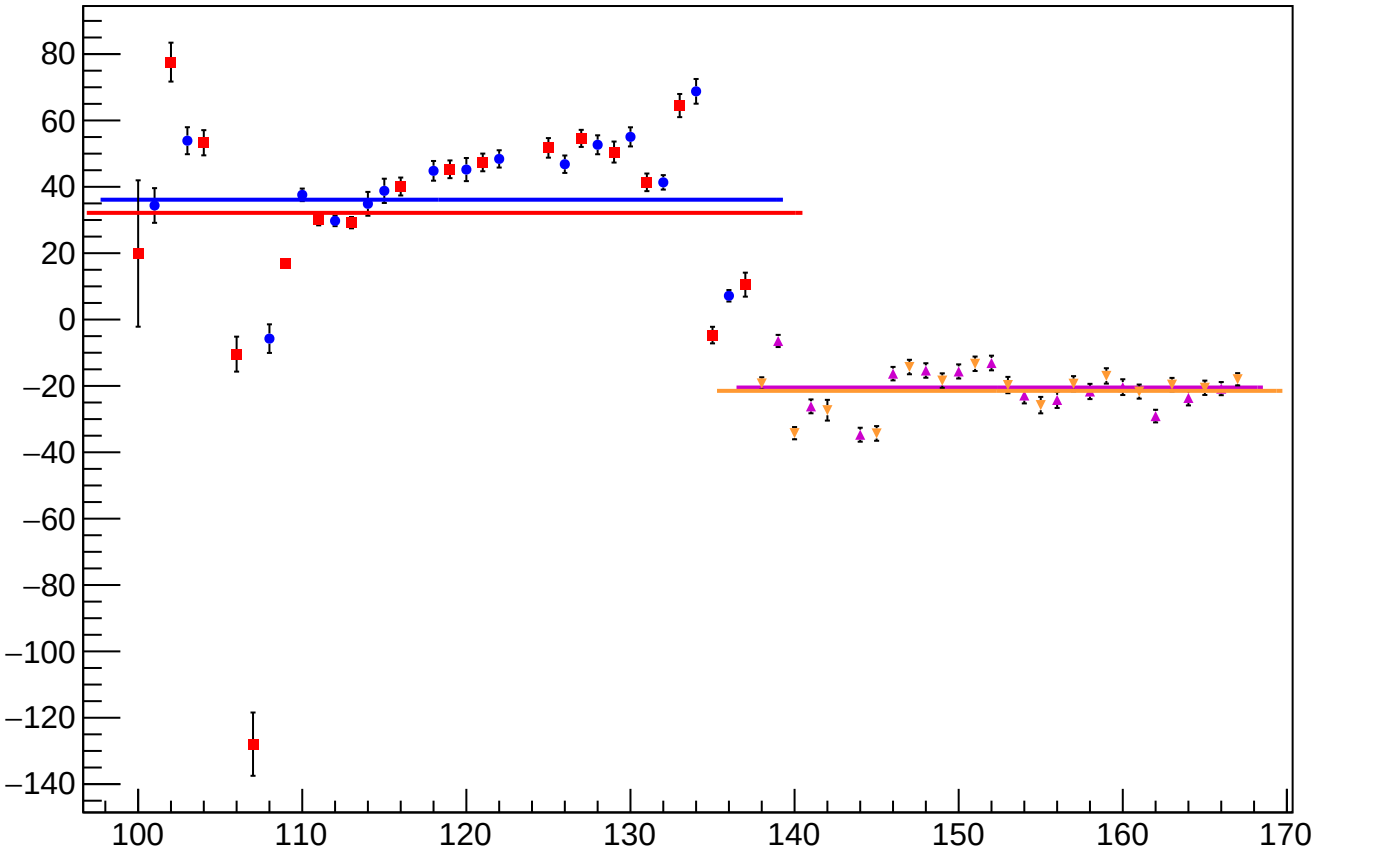
Left: 15.427+/-0.013 χ^2/NDF: 6942.8/28

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

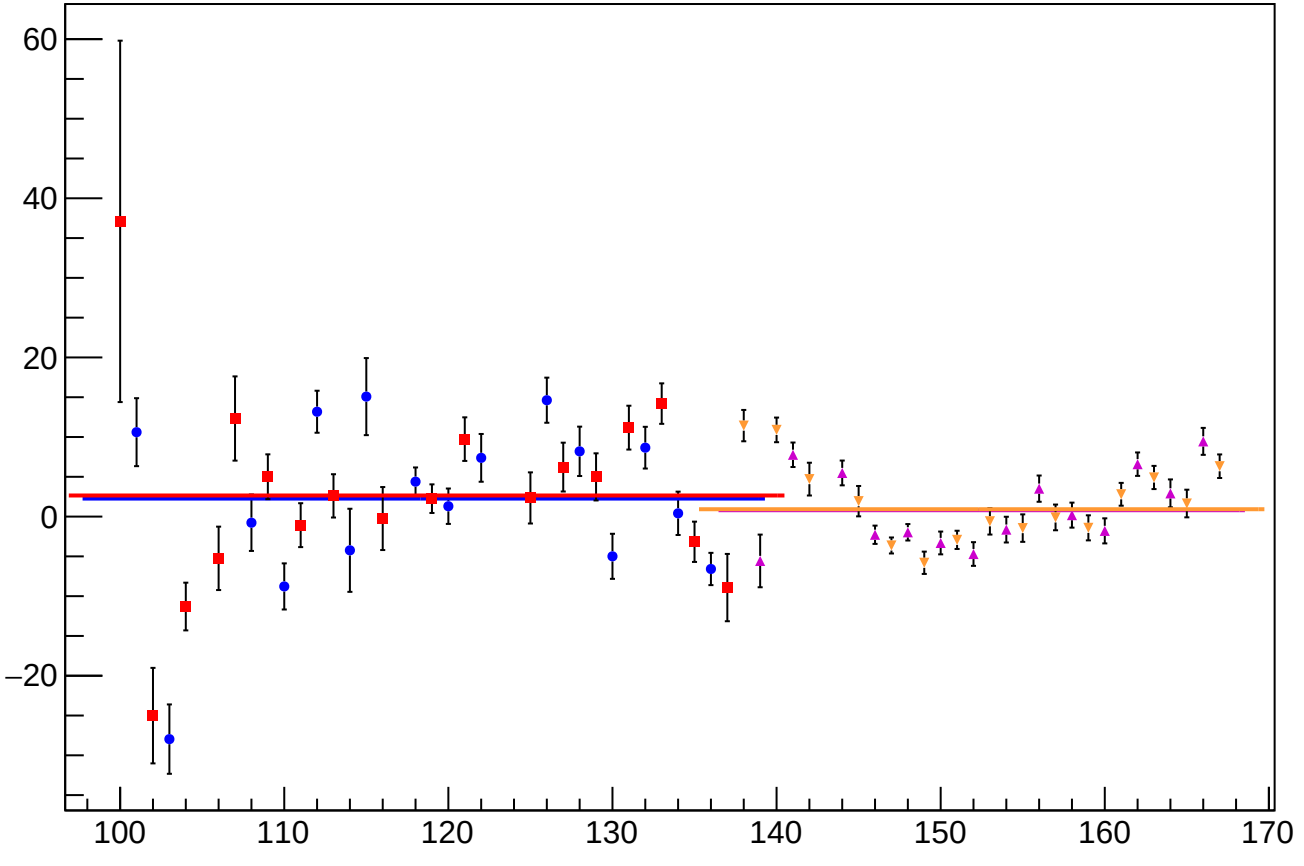
In: 10.564+/-0.016 χ^2/NDF:742138.3/29

Out: 10.941+/-0.016 χ^2/NDF:587160.7/32

All: 10.754+/-0.011 χ^2/NDF: 1329580.9/62


reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: 36.118+/-0.656 χ2/NDF: 622.8/15
Left Out: -21.485+/-0.560 χ2/NDF:125.5/14
Right Out: 32.150+/-0.631 χ2/NDF: 1114.6/17
Left In: -20.483+/-0.571 χ2/NDF:163.6/13
Left: -20.994+/-0.400 χ2/NDF: 290.7/28
Right: 34.055+/-0.455 χ2/NDF: 1756.4/33
In: 3.916+/-0.431 χ2/NDF:5016.3/29
Out: 2.180+/-0.419 χ2/NDF:5282.2/32
All: 3.023+/-0.300 χ2/NDF: 10306.9/62

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.925+/-0.387 χ^2/NDF:156.5/14

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.802+/-0.400 χ^2/NDF:120.4/13

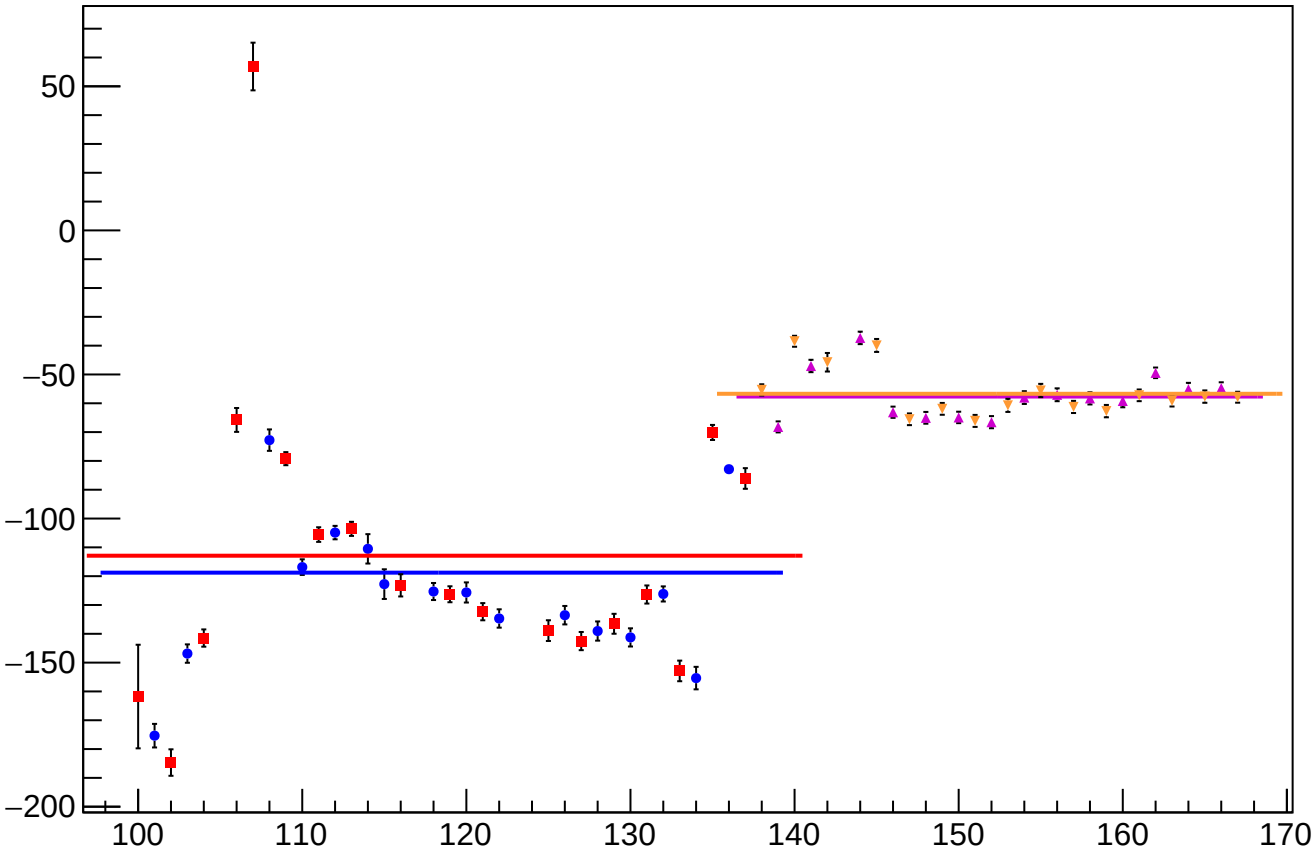
Left: 0.865+/-0.278 χ^2/NDF: 276.9/28

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.161+/-0.347 χ^2/NDF:275.7/29

Out: 1.316+/-0.341 χ^2/NDF:268.2/32

All: 1.240+/-0.243 χ^2/NDF: 544.0/62



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.706+/-0.545 χ^2/NDF:223.1/14

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -57.657+/-0.554 χ^2/NDF:219.1/13

Left: -57.174+/-0.389 χ^2/NDF: 443.7/28

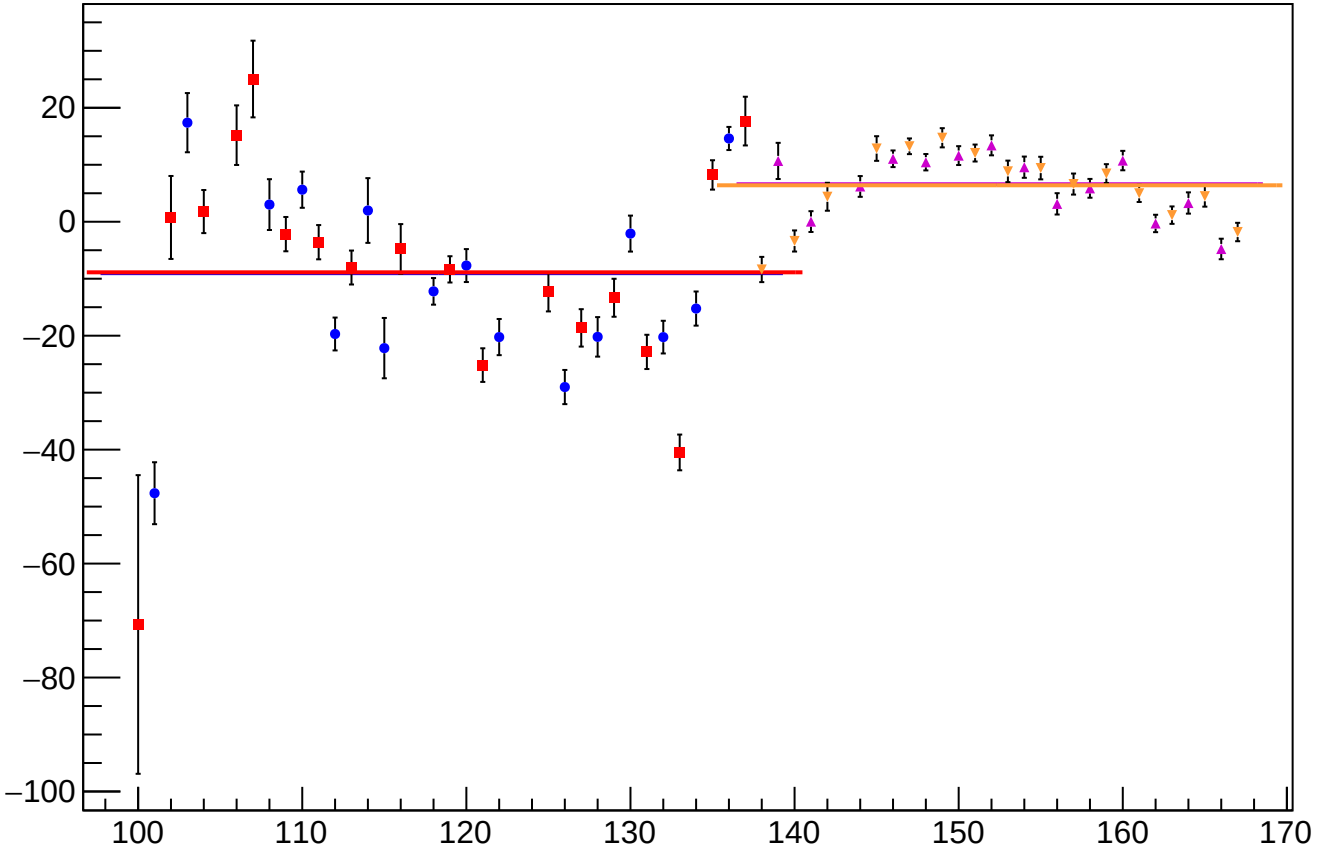
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -78.965+/-0.447 χ^2/NDF:5587.0/29

Out: -75.776+/-0.443 χ^2/NDF:5688.5/32

All: -77.358+/-0.315 χ^2/NDF: 11301.2/62

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 6.398+/-0.450 χ^2/NDF:190.7/14

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 6.582+/-0.464 χ^2/NDF:130.8/13

Left: 6.487+/-0.323 χ^2/NDF: 321.6/28

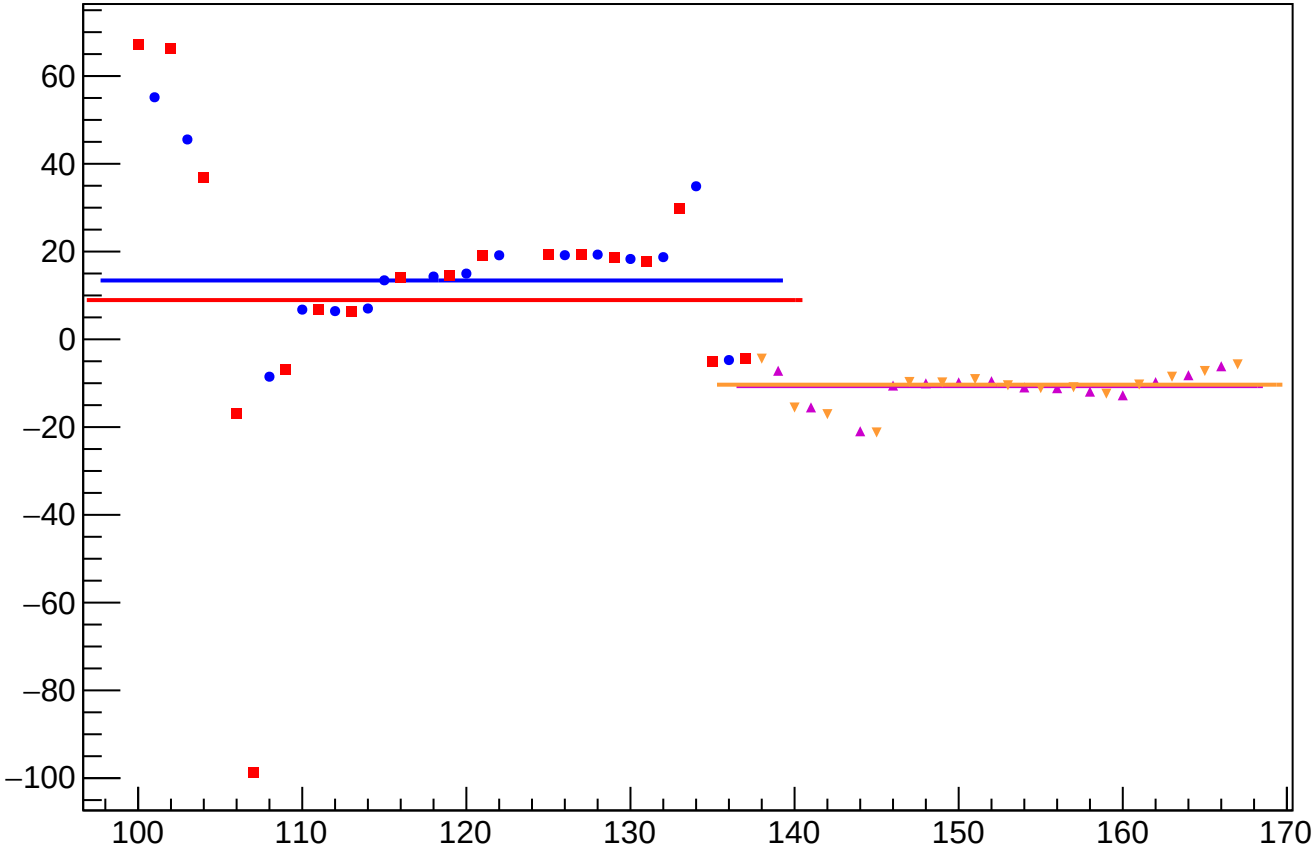
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.627+/-0.401 χ^2/NDF:776.0/29

Out: 2.799+/-0.393 χ^2/NDF:781.0/32

All: 2.715+/-0.281 χ^2/NDF: 1557.1/62

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -10.337+/-0.020 χ^2/NDF:35319.5/14

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.666+/-0.021 χ^2/NDF:22622.2/13

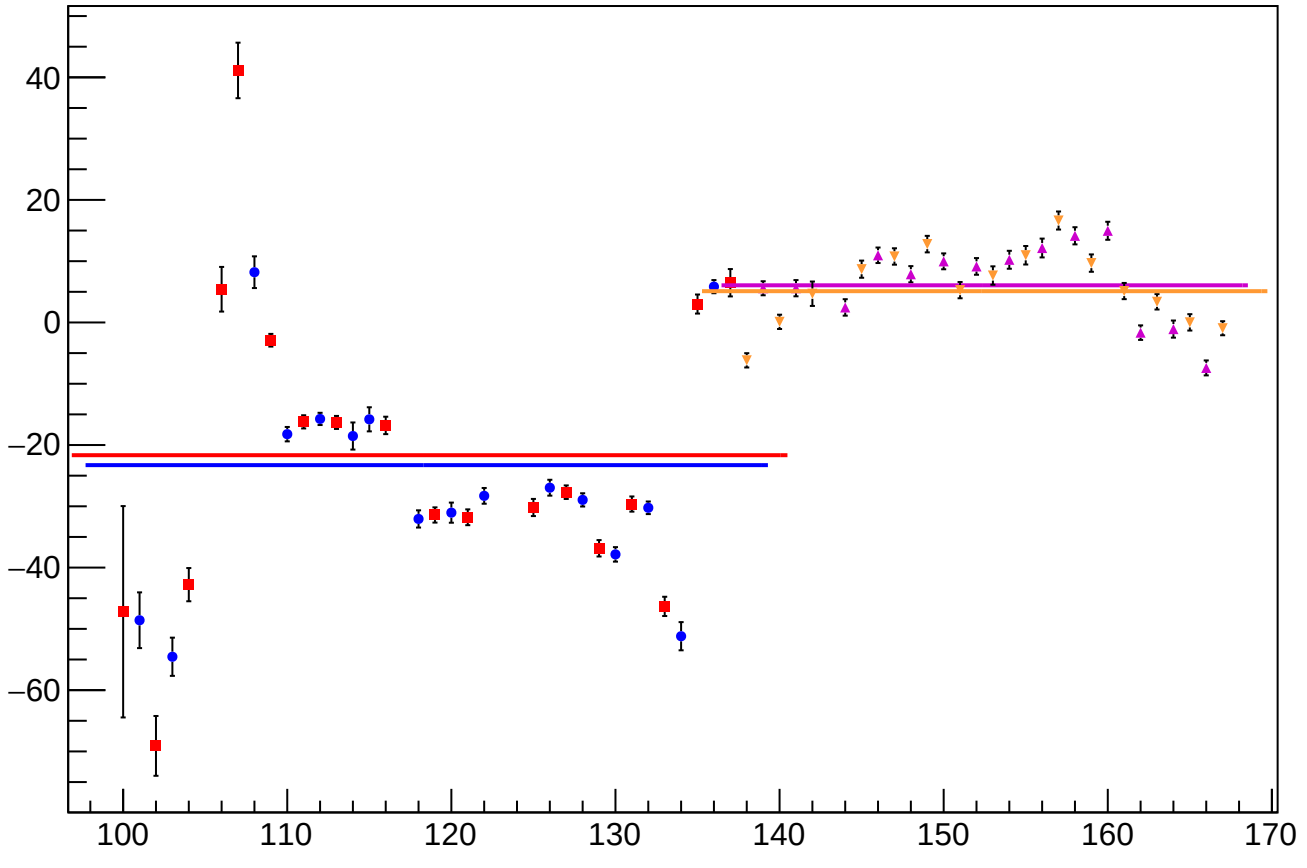
Left: -10.498+/-0.015 χ^2/NDF: 58068.6/28

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -6.457+/-0.019 χ^2/NDF:439644.9/29

Out: -7.308+/-0.019 χ^2/NDF:465900.7/32

All: -6.886+/-0.013 χ^2/NDF: 906563.2/62



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 5.106+/-0.348 χ^2/NDF:302.8/14

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 6.065+/-0.354 χ^2/NDF:322.9/13

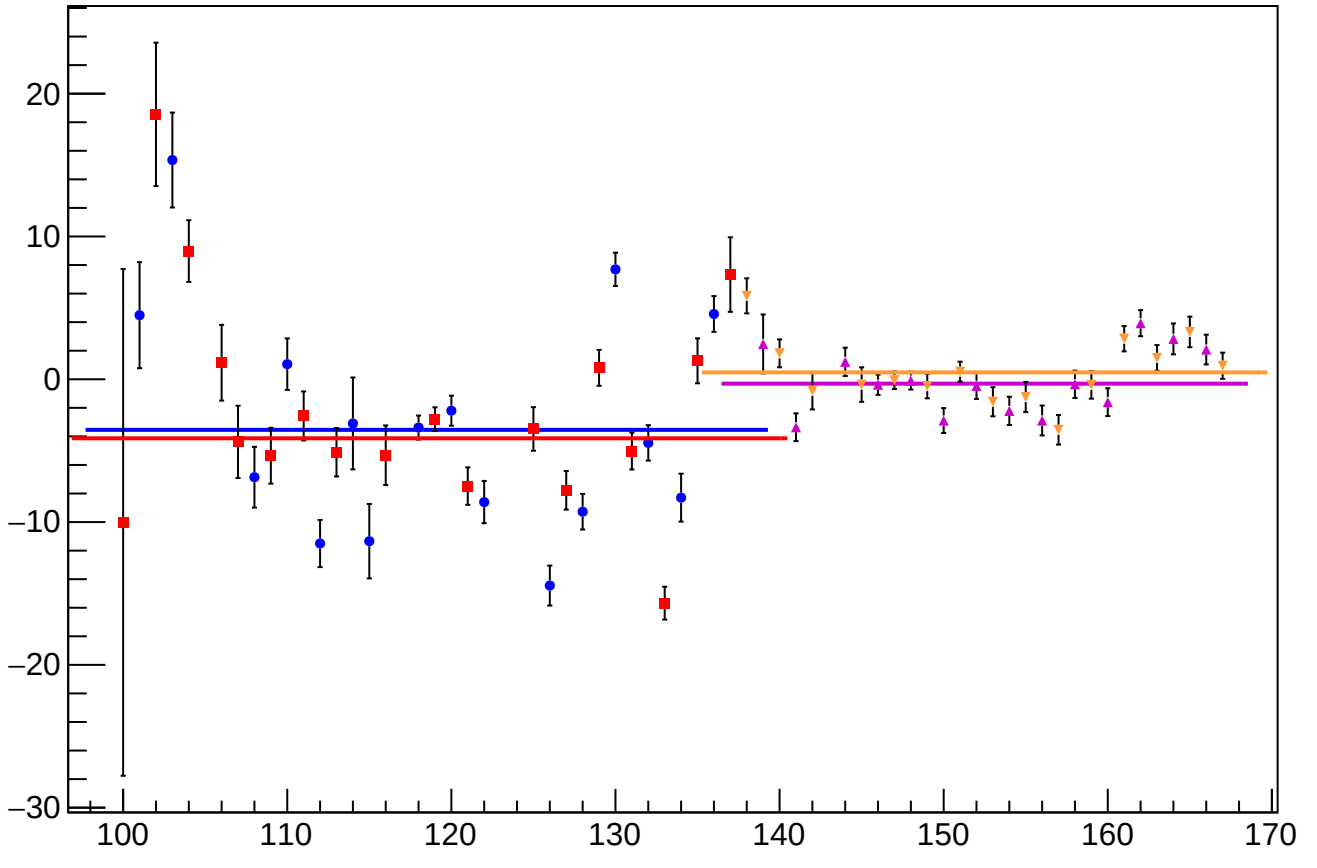
Left: 5.577+/-0.248 χ^2/NDF: 629.4/28

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -8.758+/-0.249 χ^2/NDF:5361.9/29

Out: -8.288+/-0.246 χ^2/NDF:5083.3/32

All: -8.520+/-0.175 χ^2/NDF: 10447.0/62



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.482+/-0.239 χ^2/NDF:62.7/14

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.307+/-0.247 χ^2/NDF:69.6/13

Left: 0.100+/-0.172 χ^2/NDF: 137.5/28

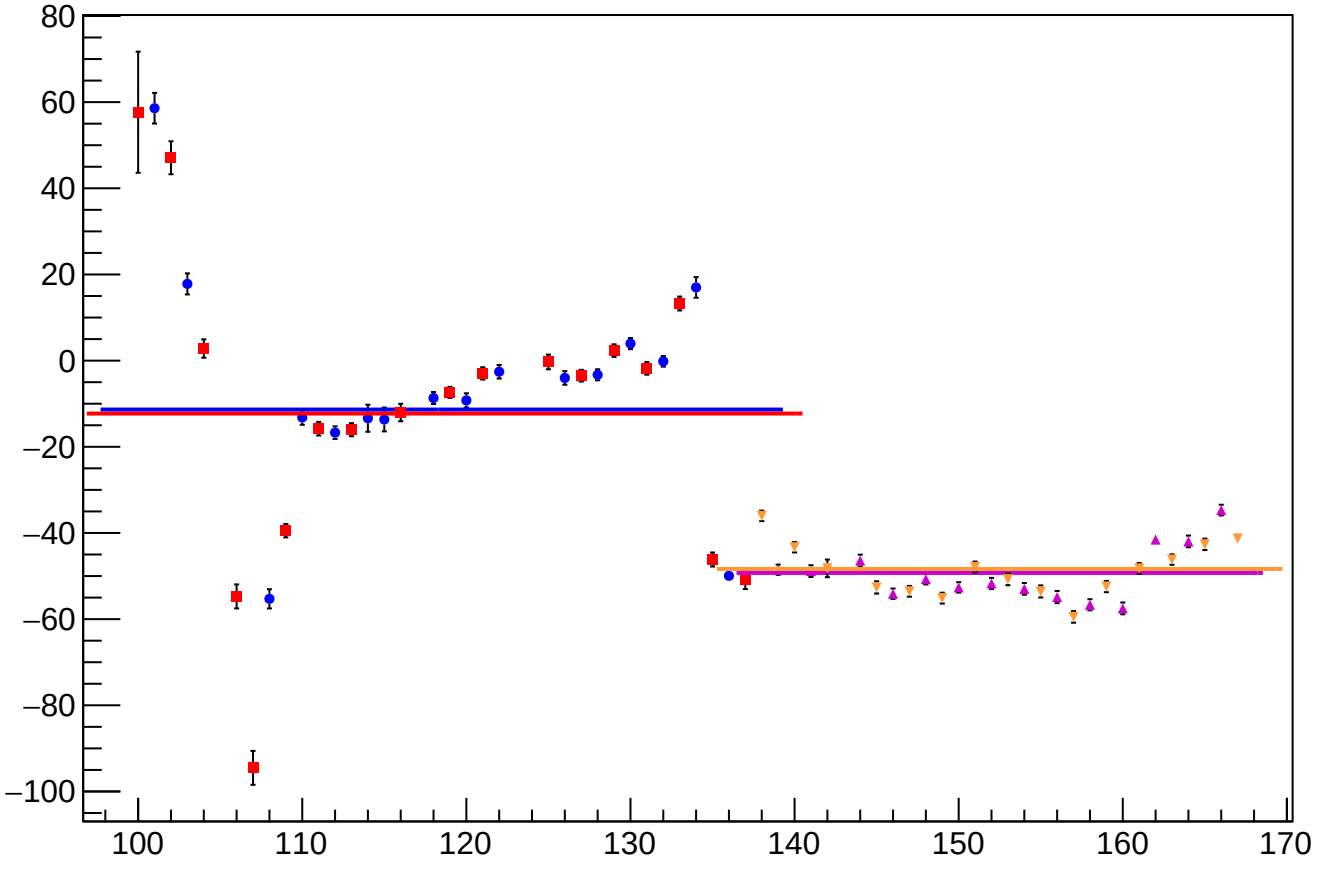
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.331+/-0.204 χ^2/NDF:440.7/29

Out: -0.875+/-0.201 χ^2/NDF:399.5/32

All: -1.100+/-0.143 χ^2/NDF: 842.7/62

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -48.349+/-0.338 χ^2/NDF:327.2/14

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -49.275+/-0.343 χ^2/NDF:338.1/13

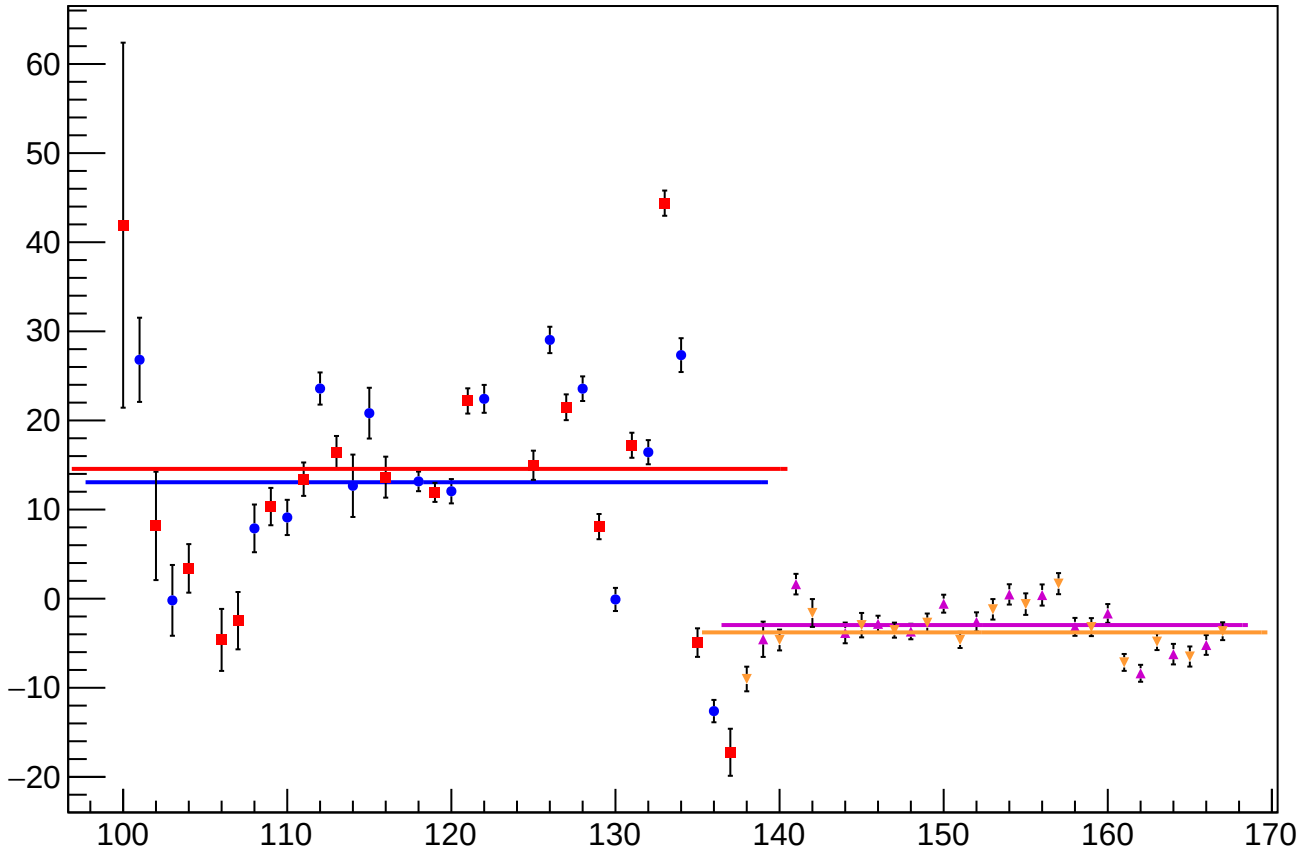
Left: -48.806+/-0.241 χ^2/NDF: 669.0/28

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -33.479+/-0.262 χ^2/NDF:8097.5/29

Out: -33.884+/-0.262 χ^2/NDF:7482.5/32

All: -33.682+/-0.185 χ^2/NDF: 15581.2/62



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.784+/-0.278 χ^2/NDF:72.5/14

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.961+/-0.287 χ^2/NDF:86.9/13

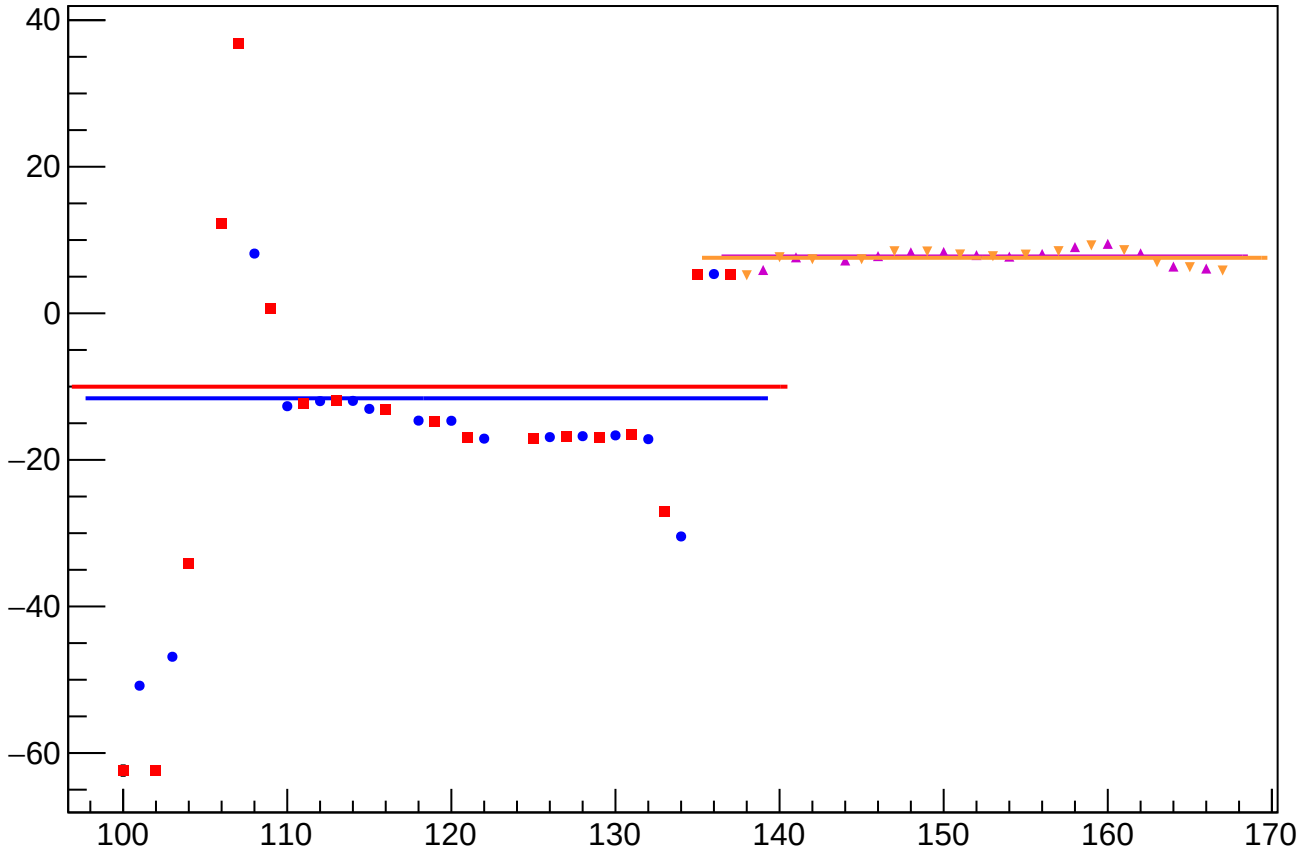
Left: -3.385+/-0.200 χ^2/NDF: 163.6/28

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 2.218+/-0.236 χ^2/NDF:1961.1/29

Out: 1.766+/-0.232 χ^2/NDF:2290.9/32

All: 1.989+/-0.165 χ^2/NDF: 4253.9/62



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.577+/-0.013 χ^2/NDF:8078.3/14

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.758+/-0.013 χ^2/NDF:6311.0/13

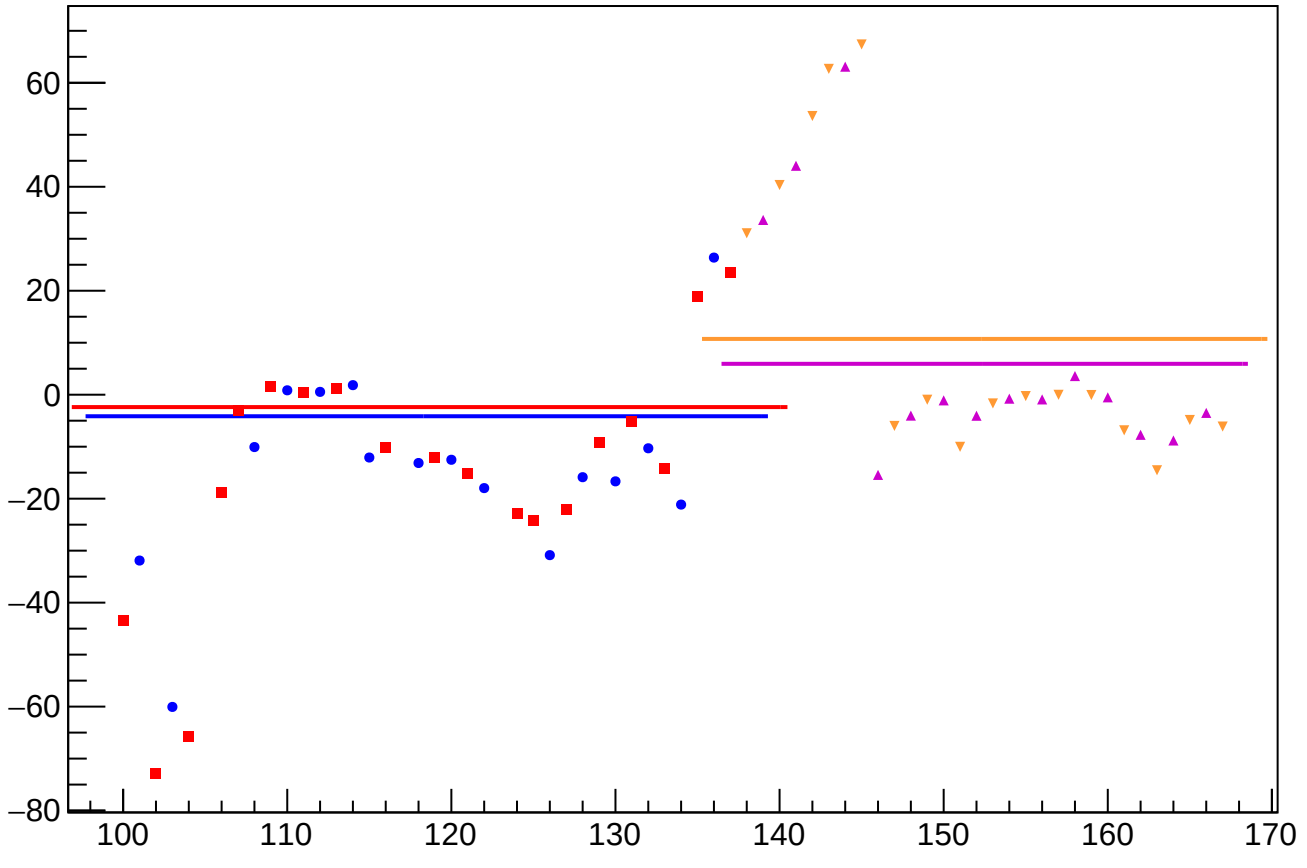
Left: 7.666+/-0.009 χ^2/NDF: 14489.1/28

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 4.006+/-0.012 χ^2/NDF:803036.1/29

Out: 4.481+/-0.012 χ^2/NDF:742783.2/32

All: 4.245+/-0.008 χ^2/NDF: 1546666.2/62



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 10.731+/-0.064 χ^2/NDF:145218.8/15

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 5.941+/-0.057 χ^2/NDF:116696.6/13

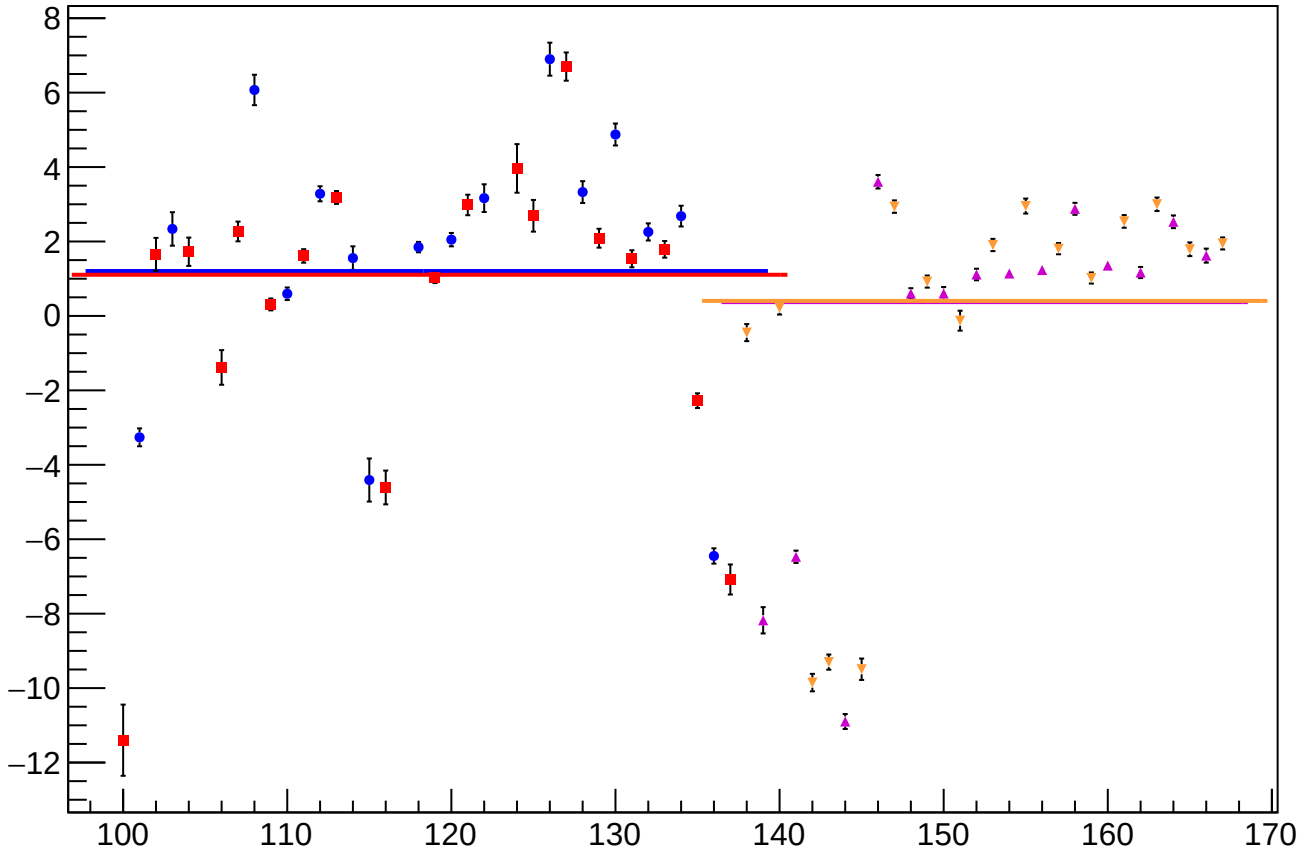
Left: 8.076+/-0.042 χ^2/NDF: 265064.7/29

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.690+/-0.039 χ^2/NDF:208270.0/29

Out: 2.144+/-0.037 χ^2/NDF:253849.8/34

All: 1.457+/-0.027 χ^2/NDF: 462836.1/64



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.404+/-0.046 χ^2/NDF:6477.3/15

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.371+/-0.041 χ^2/NDF:6425.9/13

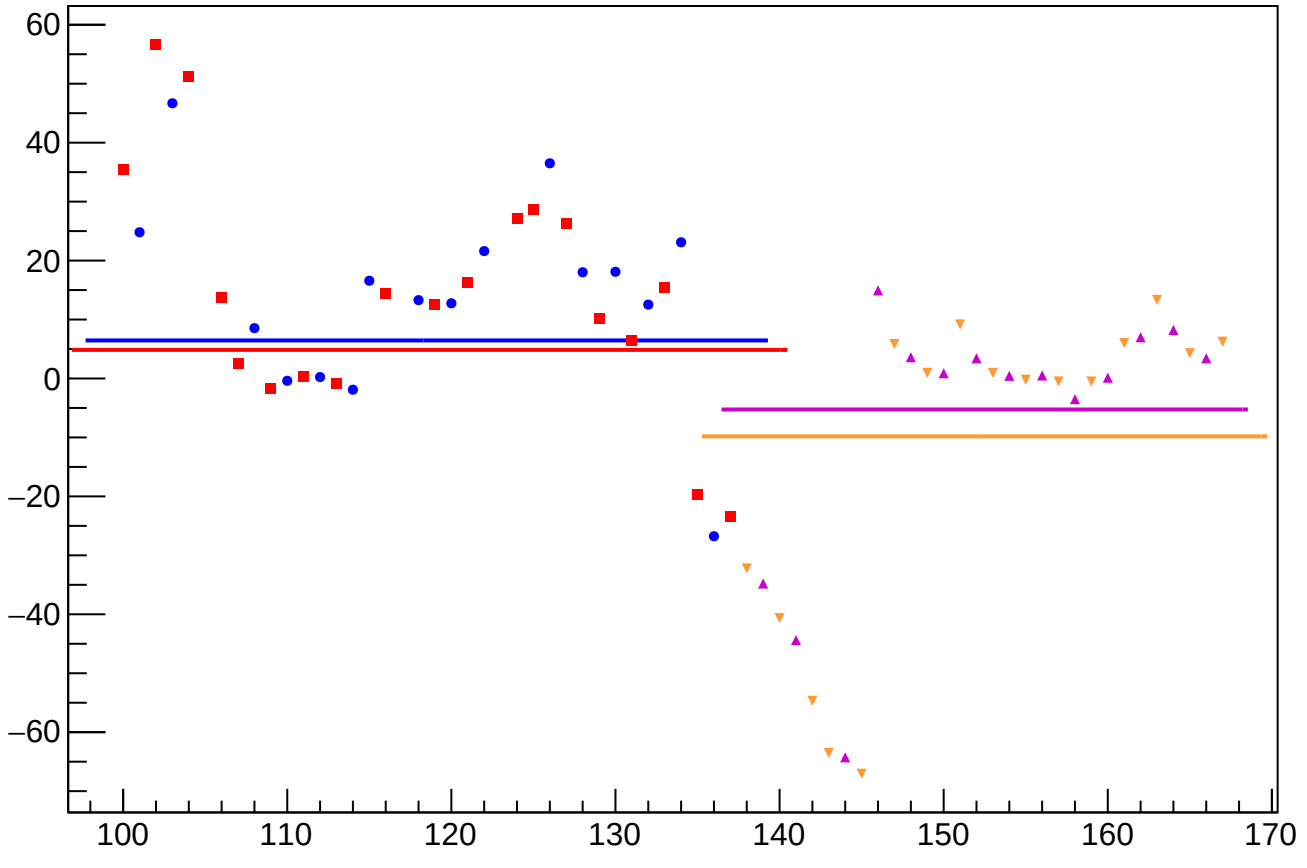
Left: 0.385+/-0.030 χ^2/NDF: 12903.5/29

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.630+/-0.034 χ^2/NDF:9142.1/29

Out: 0.679+/-0.036 χ^2/NDF:8155.9/34

All: 0.653+/-0.025 χ^2/NDF: 17299.0/64



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -9.813+/-0.062 χ^2/NDF:142296.5/15

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -5.257+/-0.055 χ^2/NDF:115086.1/13

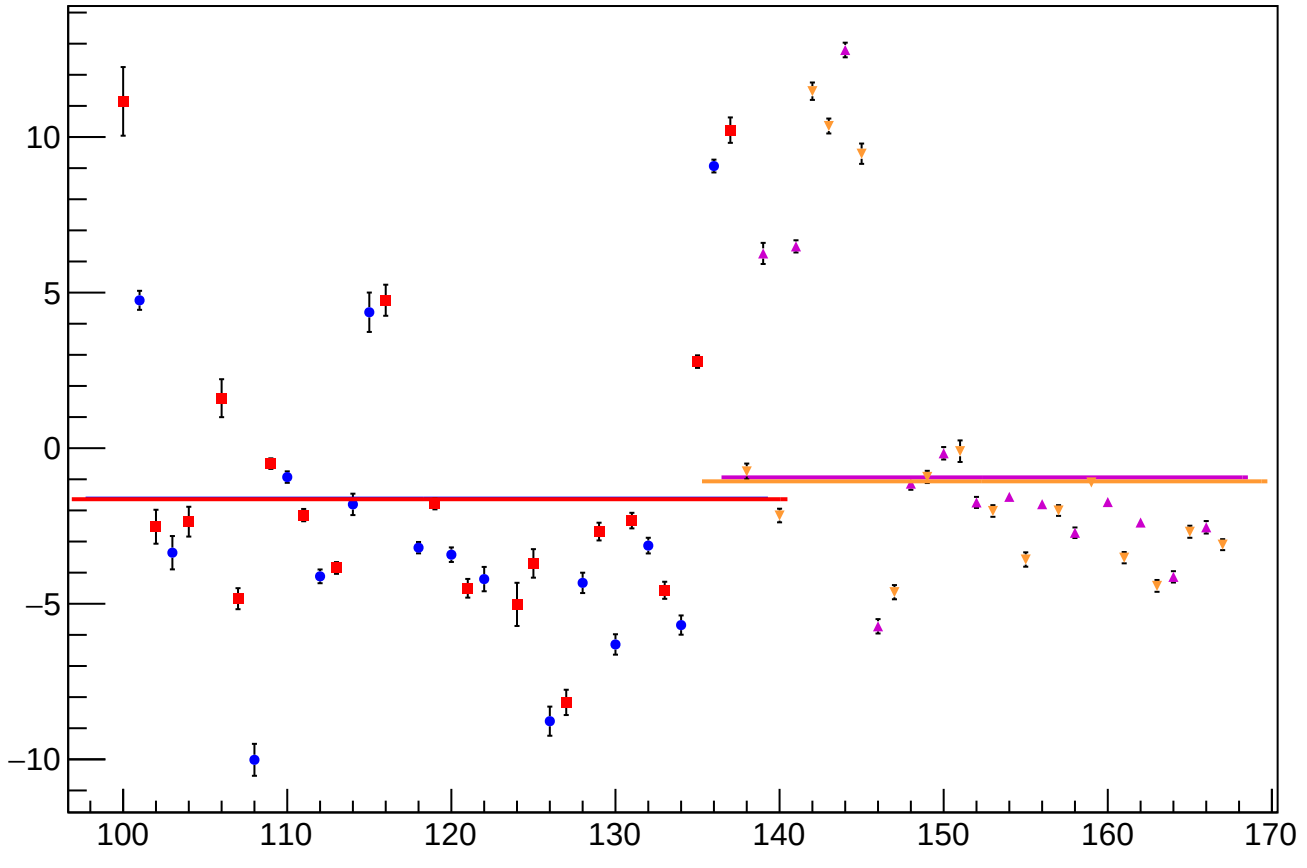
Left: -7.249+/-0.041 χ^2/NDF: 260426.1/29

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.431+/-0.042 χ^2/NDF:204713.8/29

Out: -2.141+/-0.043 χ^2/NDF:246882.7/34

All: -1.268+/-0.030 χ^2/NDF: 452412.7/64



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.065+/-0.052 χ^2/NDF:6466.9/15

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.939+/-0.046 χ^2/NDF:6426.6/13

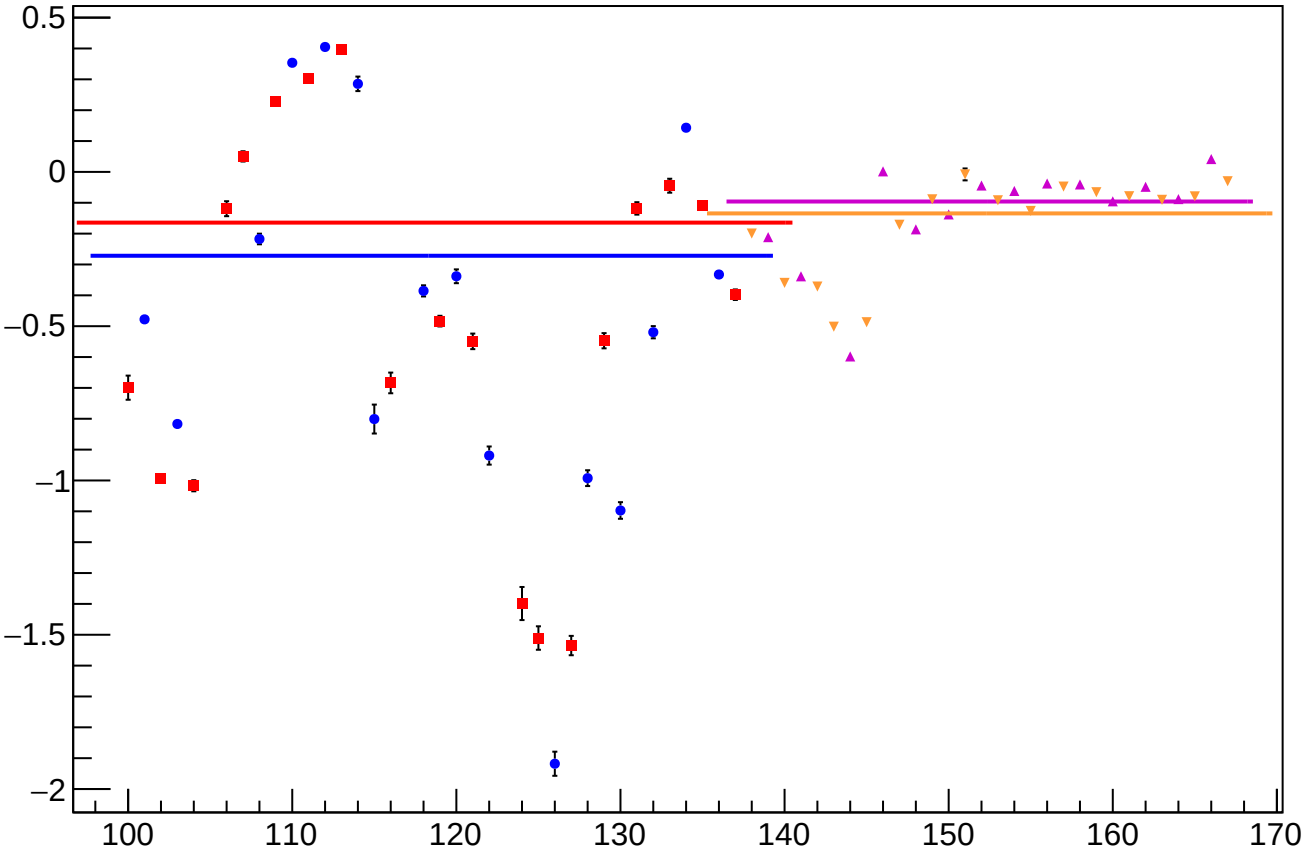
Left: -0.994+/-0.034 χ^2/NDF: 12896.8/29

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.146+/-0.038 χ^2/NDF:11019.0/29

Out: -1.293+/-0.041 χ^2/NDF:8976.9/34

All: -1.215+/-0.028 χ^2/NDF: 20002.9/64



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.135+/-0.002 χ^2/NDF:3124.5/15

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.096+/-0.002 χ^2/NDF:3234.0/13

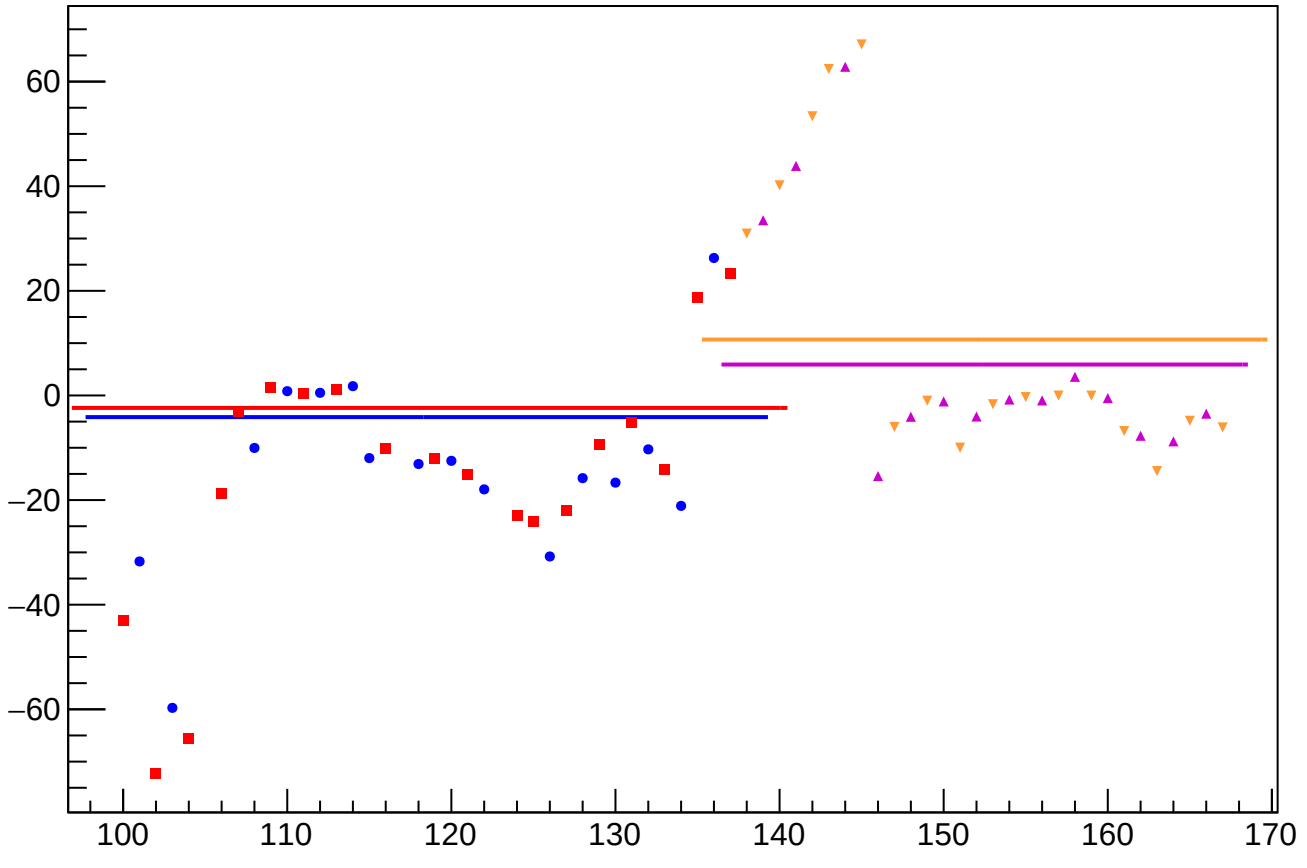
Left: -0.112+/-0.001 χ^2/NDF: 6521.3/29

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.128+/-0.002 χ^2/NDF:16744.4/29

Out: -0.142+/-0.002 χ^2/NDF:18666.7/34

All: -0.135+/-0.001 χ^2/NDF: 35440.3/64



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 10.687+/-0.063 χ^2/NDF:144957.5/15

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 5.909+/-0.057 χ^2/NDF:116579.5/13

Left: 8.039+/-0.042 χ^2/NDF: 264689.3/29

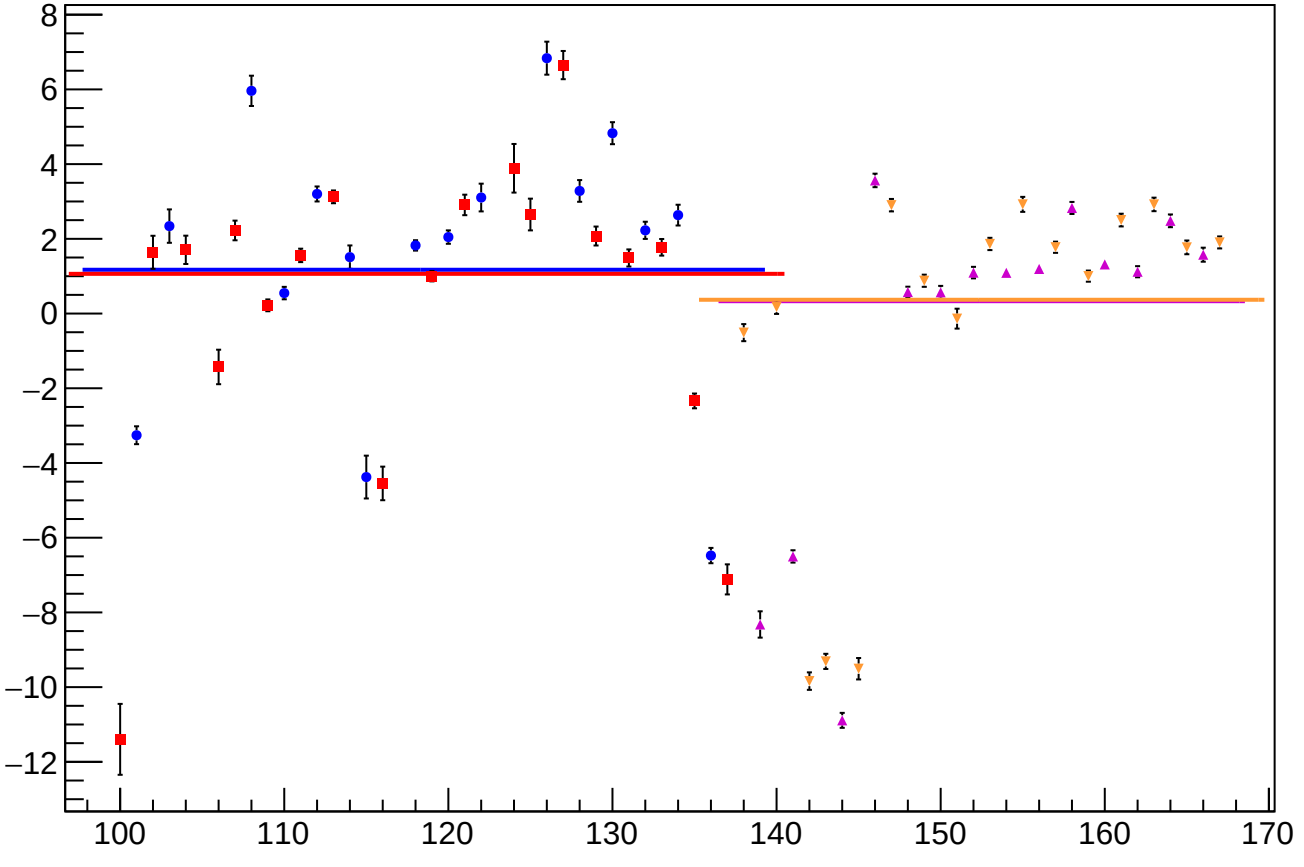
Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.660+/-0.039 χ^2/NDF:208146.2/29

Out: 2.111+/-0.037 χ^2/NDF:253550.9/34

All: 1.426+/-0.027 χ^2/NDF: 462417.3/64

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.369+/-0.046 χ^2/NDF:6480.4/15

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.331+/-0.040 χ^2/NDF:6443.3/13

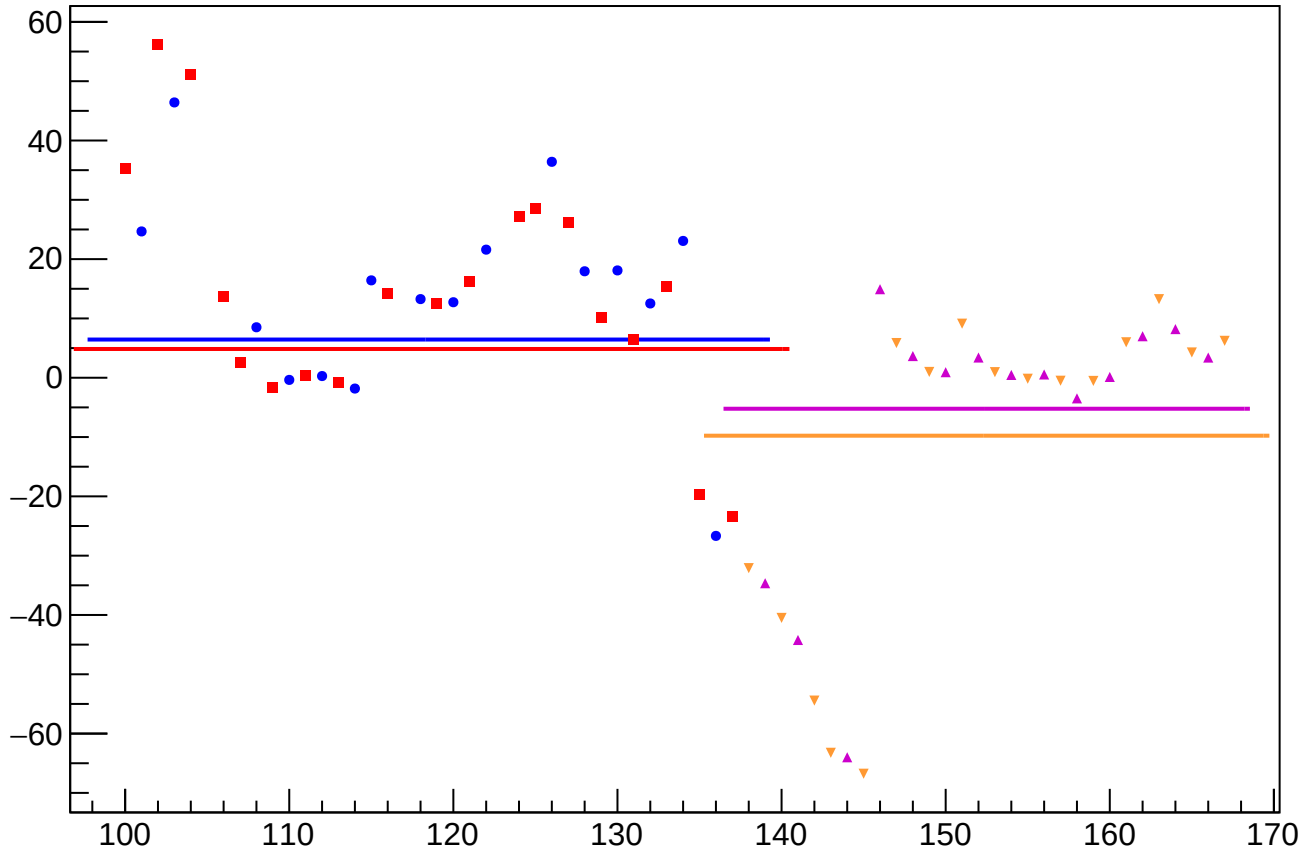
Left: 0.347+/-0.030 χ^2/NDF: 12924.1/29

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.593+/-0.034 χ^2/NDF:9162.8/29

Out: 0.642+/-0.036 χ^2/NDF:8167.0/34

All: 0.616+/-0.024 χ^2/NDF: 17330.8/64



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -9.771+/-0.062 χ^2/NDF:142042.5/15

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -5.227+/-0.054 χ^2/NDF:114967.2/13

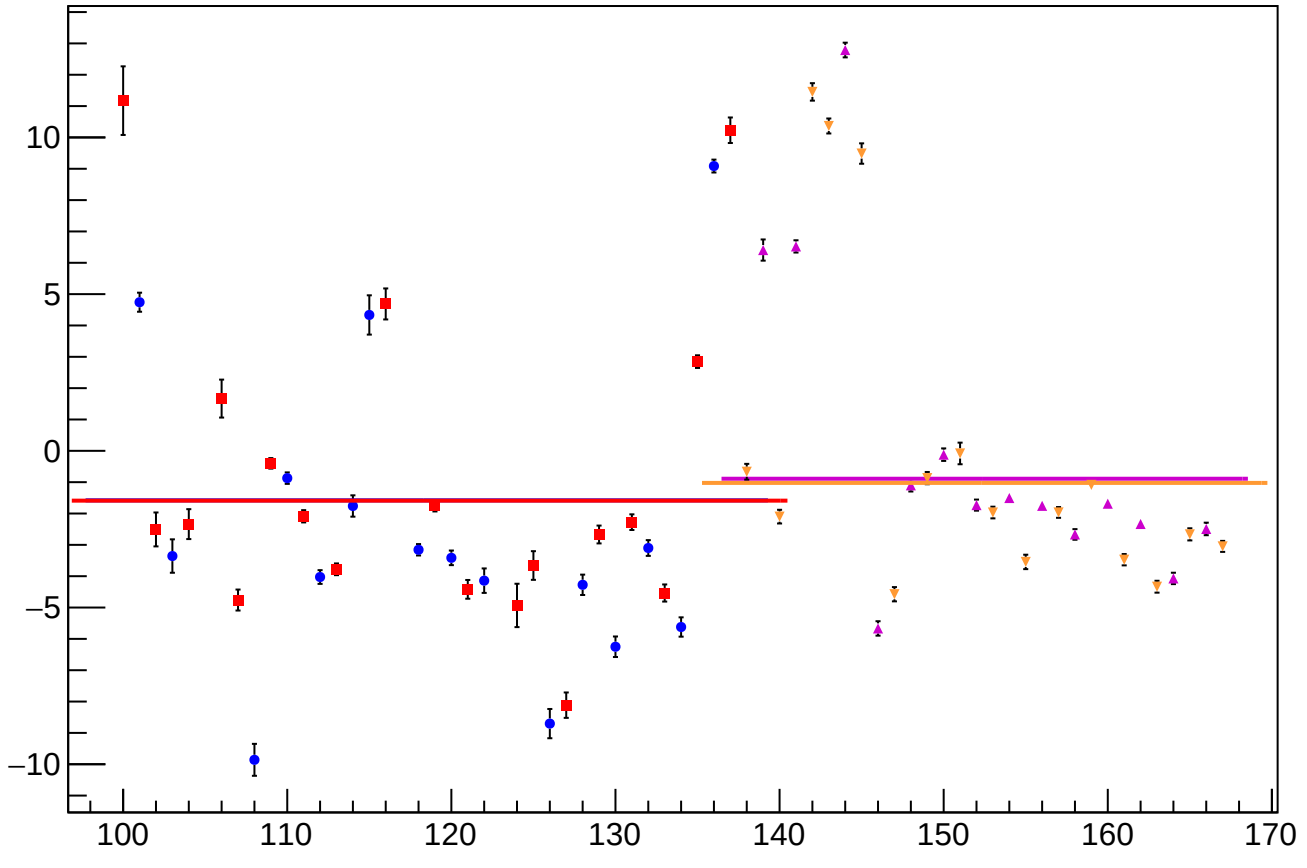
Left: -7.215+/-0.041 χ^2/NDF: 260056.4/29

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.401+/-0.042 χ^2/NDF:204581.4/29

Out: -2.106+/-0.043 χ^2/NDF:246587.9/34

All: -1.236+/-0.030 χ^2/NDF: 451987.8/64



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.023+/-0.052 χ^2/NDF:6464.0/15

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -0.890+/-0.046 χ^2/NDF:6442.0/13

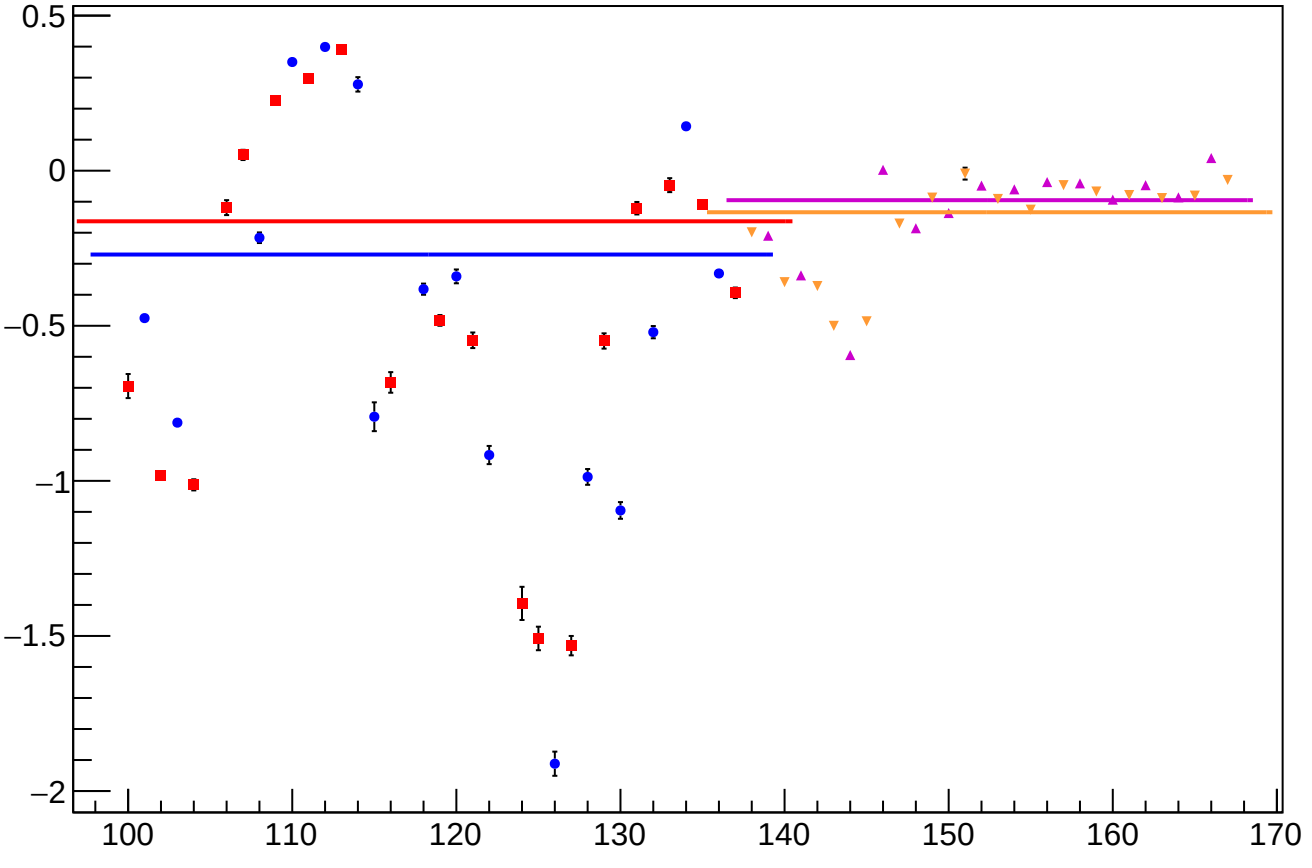
Left: -0.948+/-0.034 χ^2/NDF: 12909.7/29

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.100+/-0.038 χ^2/NDF:11035.2/29

Out: -1.248+/-0.040 χ^2/NDF:8983.1/34

All: -1.170+/-0.028 χ^2/NDF: 20025.3/64



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.134+/-0.002 χ^2/NDF:3135.8/15

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.095+/-0.002 χ^2/NDF:3220.0/13

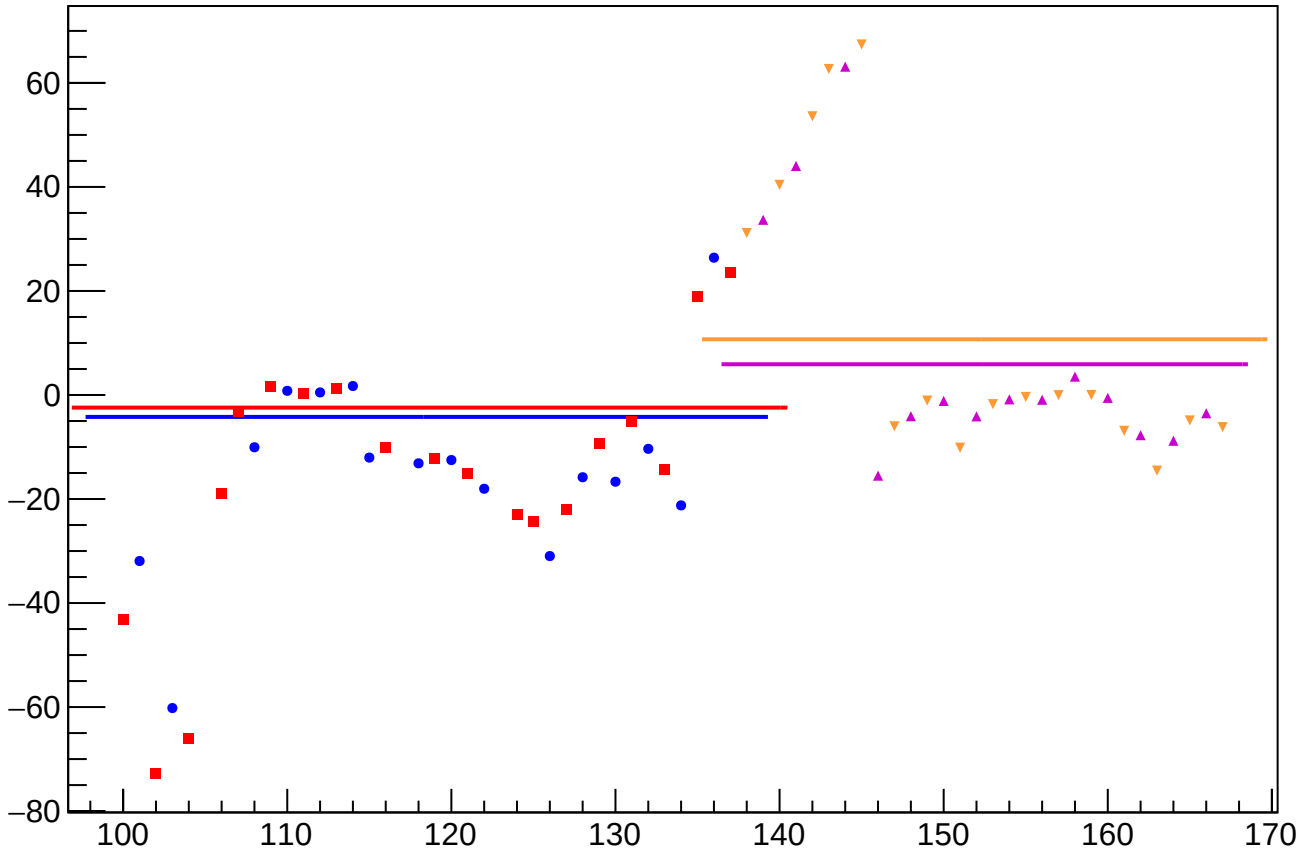
Left: -0.112+/-0.001 χ^2/NDF: 6522.4/29

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.127+/-0.002 χ^2/NDF:16722.6/29

Out: -0.142+/-0.002 χ^2/NDF:18689.5/34

All: -0.134+/-0.001 χ^2/NDF: 35442.1/64



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 10.710+/-0.064 χ^2/NDF:145322.7/15

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 5.908+/-0.057 χ^2/NDF:116713.5/13

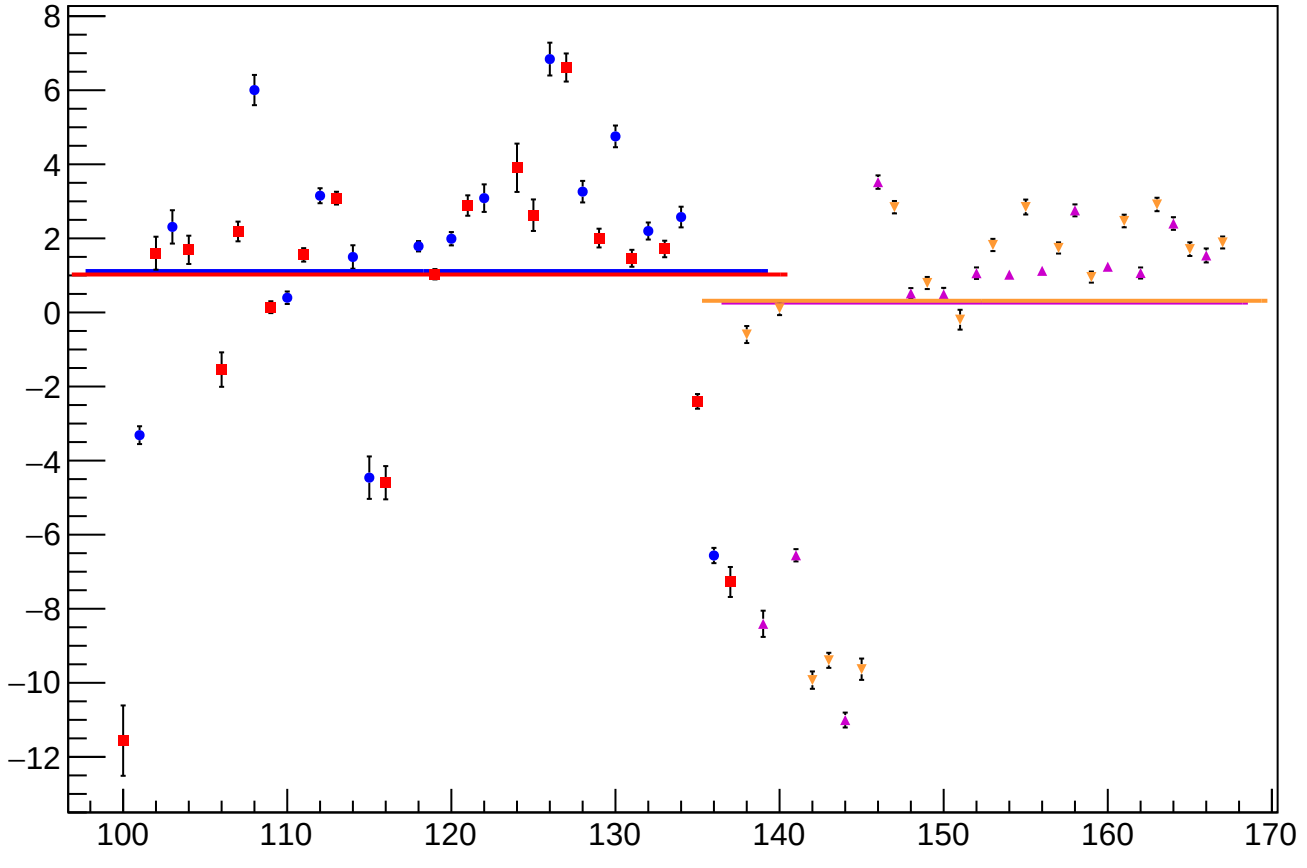
Left: 8.049+/-0.042 χ^2/NDF: 265195.0/29

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.636+/-0.039 χ^2/NDF:208333.8/29

Out: 2.107+/-0.037 χ^2/NDF:253981.9/34

All: 1.412+/-0.027 χ^2/NDF: 463047.7/64



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.315+/-0.046 χ^2/NDF:6489.3/15

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.266+/-0.041 χ^2/NDF:6418.3/13

Left: 0.288+/-0.030 χ^2/NDF: 12908.2/29

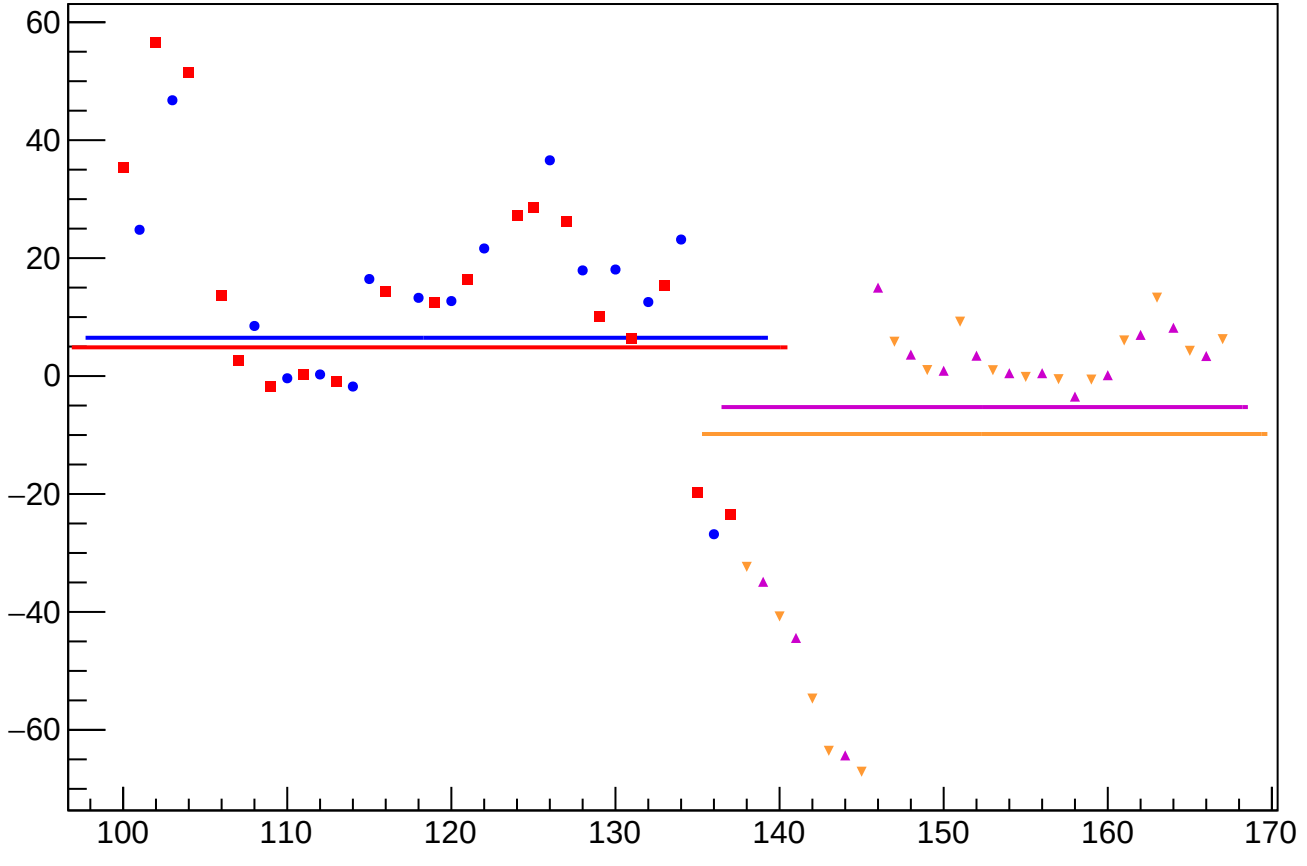
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.531+/-0.034 χ^2/NDF:9146.9/29

Out: 0.594+/-0.036 χ^2/NDF:8194.6/34

All: 0.560+/-0.025 χ^2/NDF: 17343.1/64

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -9.825+/-0.062 χ^2/NDF:142417.0/15

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -5.260+/-0.055 χ^2/NDF:115107.6/13

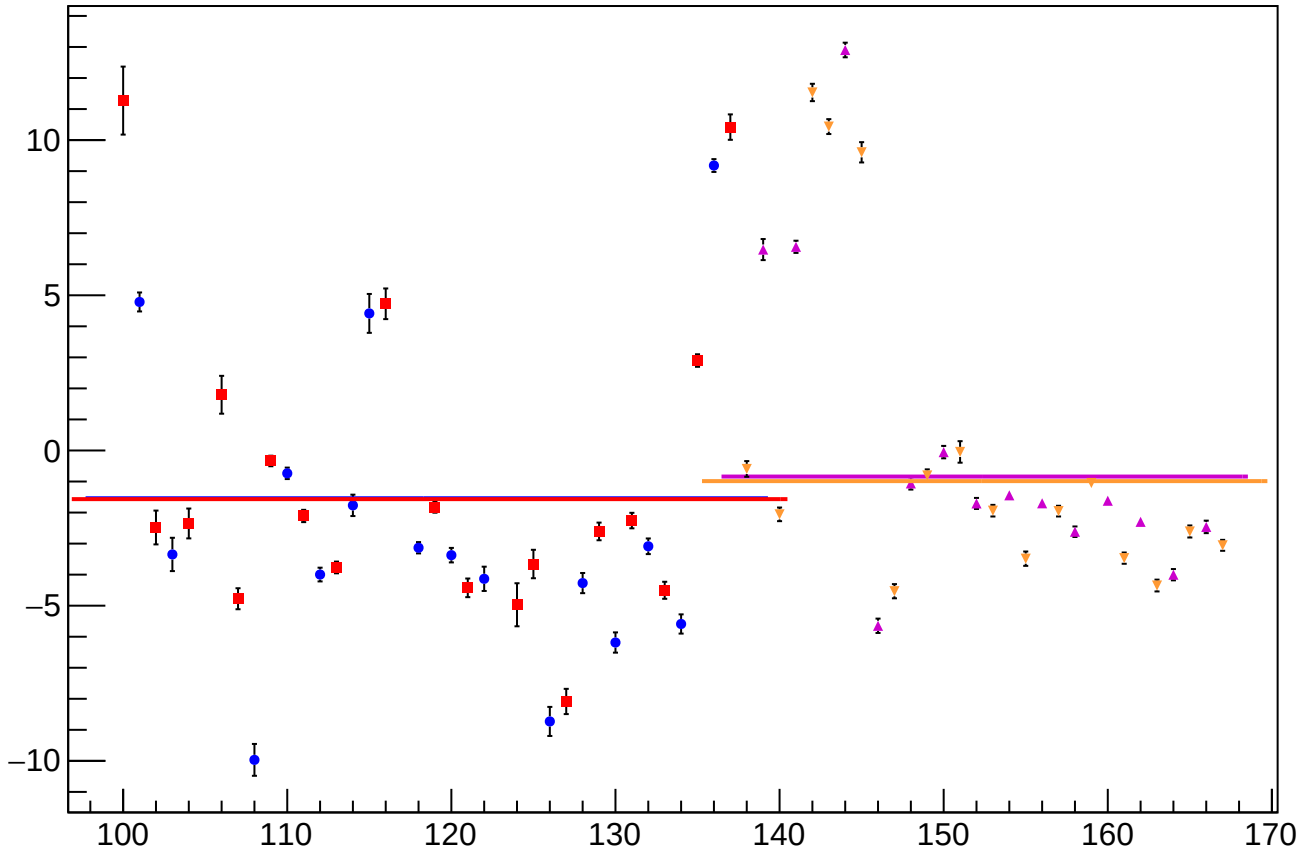
Left: -7.256+/-0.041 χ^2/NDF: 260574.3/29

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.412+/-0.042 χ^2/NDF:204804.1/29

Out: -2.137+/-0.043 χ^2/NDF:247060.3/34

All: -1.256+/-0.030 χ^2/NDF: 452693.9/64



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.987+/-0.052 χ^2/NDF:6477.7/15

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -0.840+/-0.046 χ^2/NDF:6422.9/13

Left: -0.904+/-0.034 χ^2/NDF: 12905.1/29

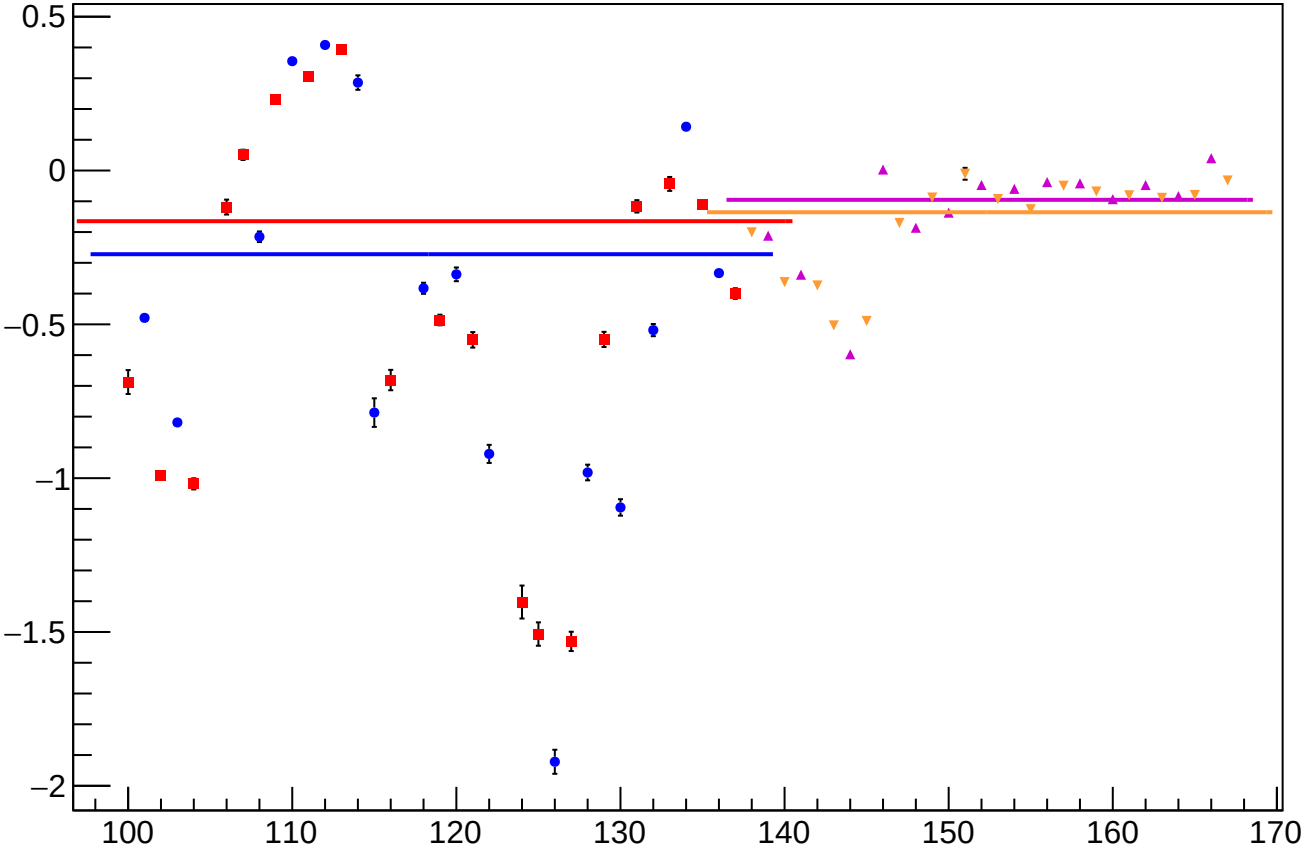
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.052+/-0.038 χ^2/NDF:11029.2/29

Out: -1.217+/-0.041 χ^2/NDF:9023.5/34

All: -1.130+/-0.028 χ^2/NDF: 20061.3/64

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.136+/-0.002 χ^2/NDF:3132.8/15

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.095+/-0.002 χ^2/NDF:3222.3/13

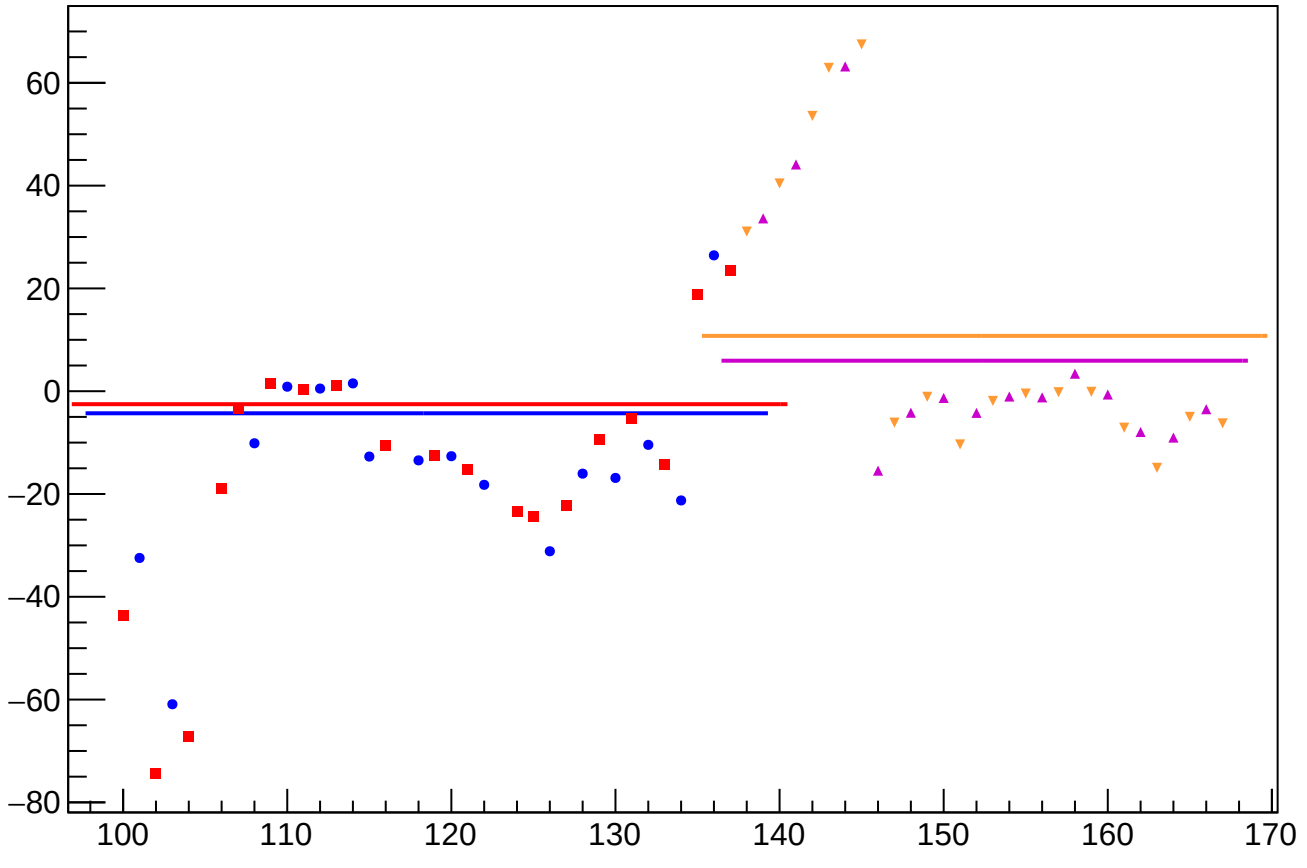
Left: -0.112+/-0.001 χ^2/NDF: 6532.8/29

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.128+/-0.002 χ^2/NDF:16763.1/29

Out: -0.143+/-0.002 χ^2/NDF:18666.3/34

All: -0.135+/-0.001 χ^2/NDF: 35464.4/64



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 10.768+/-0.065 χ^2/NDF:143290.8/15

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 5.934+/-0.058 χ^2/NDF:114848.8/13

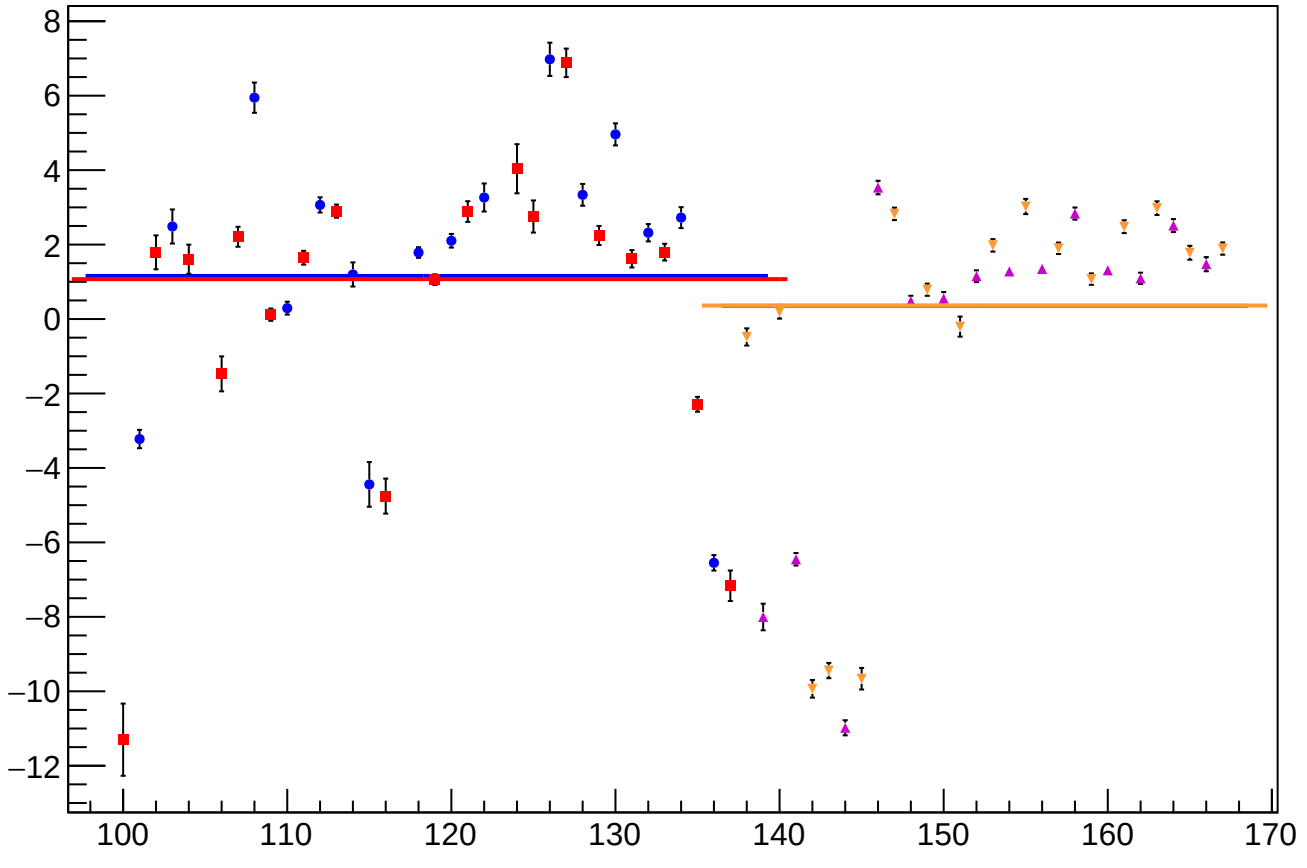
Left: 8.102+/-0.043 χ^2/NDF: 261234.9/29

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.600+/-0.040 χ^2/NDF:205190.3/29

Out: 2.113+/-0.038 χ^2/NDF:250810.4/34

All: 1.398+/-0.028 χ^2/NDF: 456746.0/64



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.363+/-0.047 χ^2/NDF:6463.4/15

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.354+/-0.041 χ^2/NDF:6283.5/13

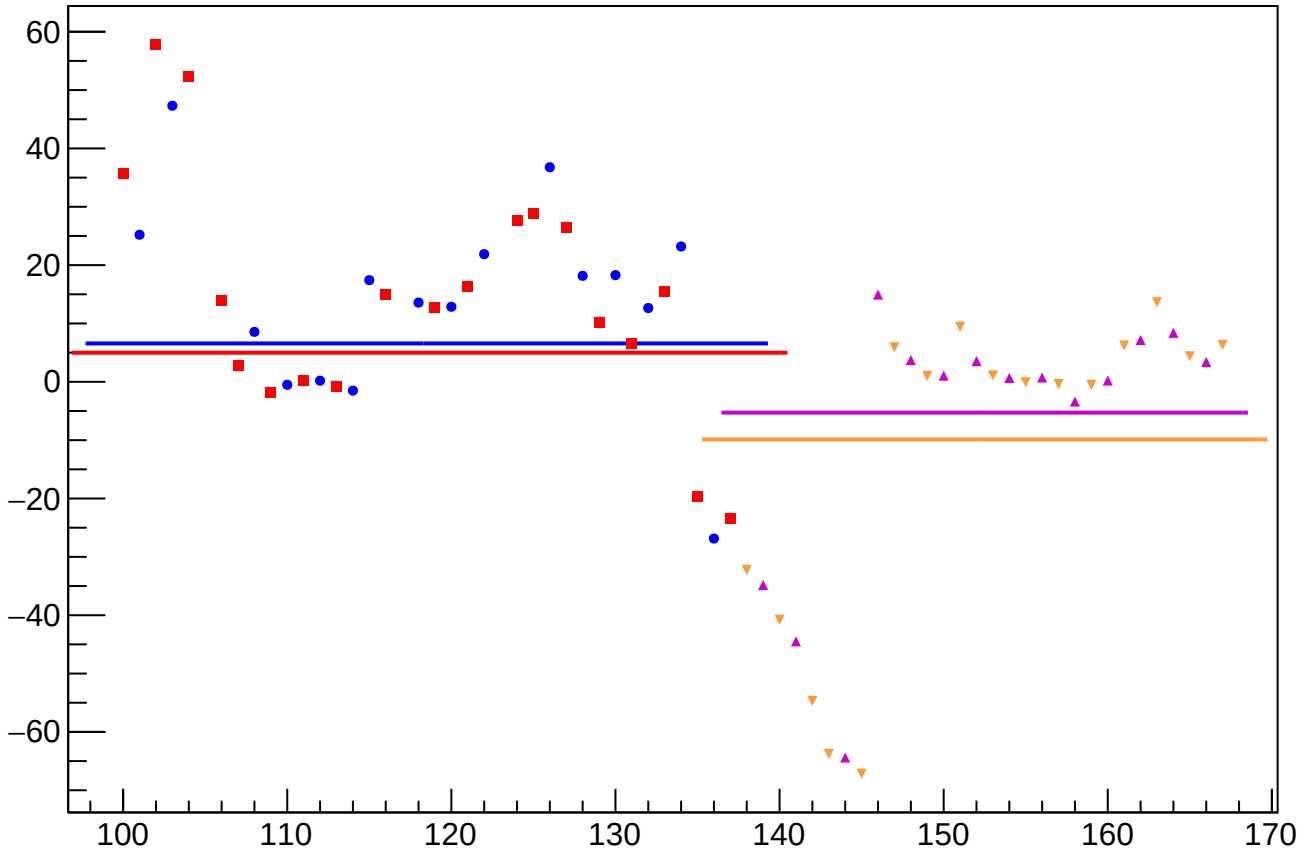
Left: 0.358+/-0.031 χ^2/NDF: 12747.0/29

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.605+/-0.034 χ^2/NDF:8950.8/29

Out: 0.640+/-0.036 χ^2/NDF:8104.9/34

All: 0.621+/-0.025 χ^2/NDF: 17056.2/64



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -9.875+/-0.063 χ^2/NDF:140420.5/15

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -5.278+/-0.056 χ^2/NDF:113258.7/13

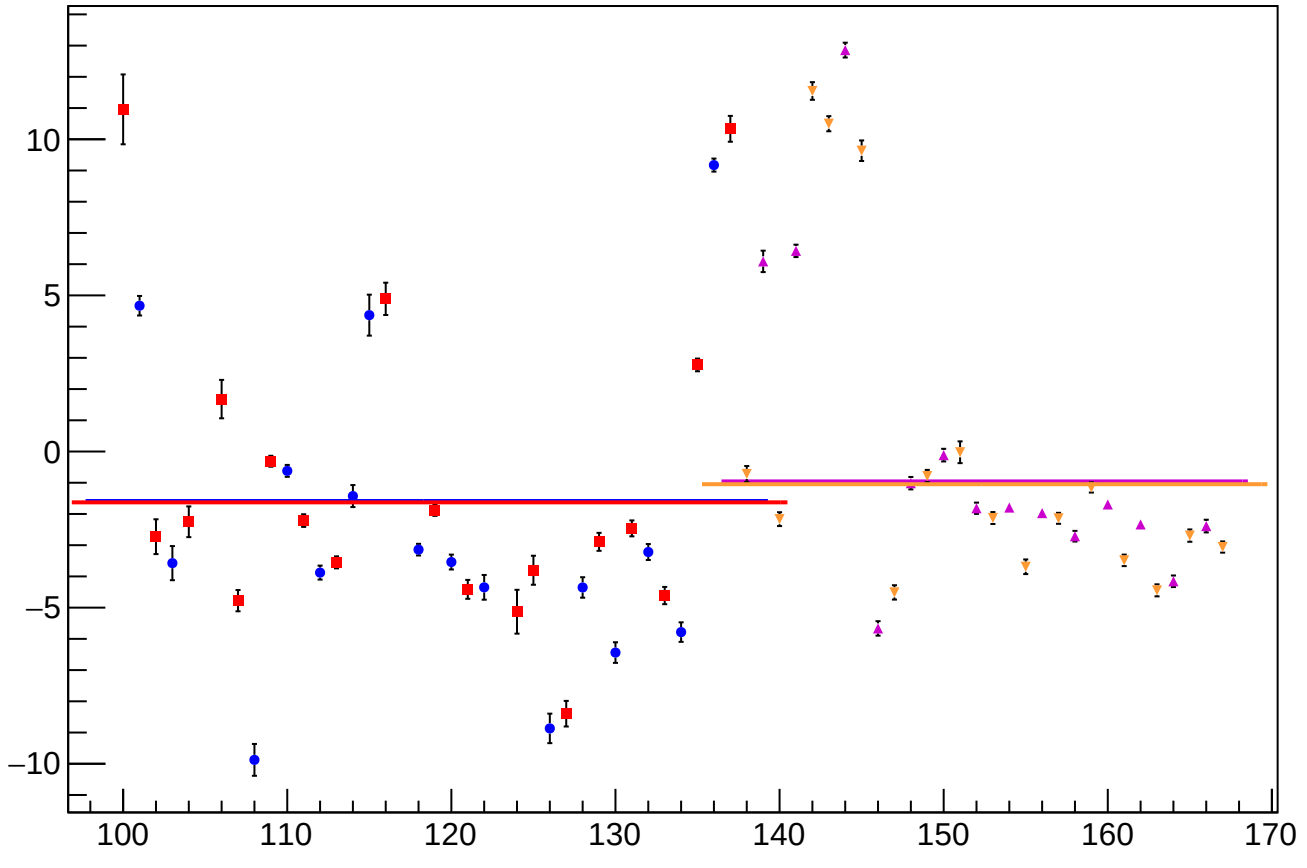
Left: -7.301+/-0.042 χ^2/NDF: 256668.8/29

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -0.372+/-0.043 χ^2/NDF:201680.9/29

Out: -2.141+/-0.044 χ^2/NDF:243932.7/34

All: -1.239+/-0.031 χ^2/NDF: 446454.5/64



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.047+/-0.053 χ^2/NDF:6449.2/15

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -0.957+/-0.047 χ^2/NDF:6287.3/13

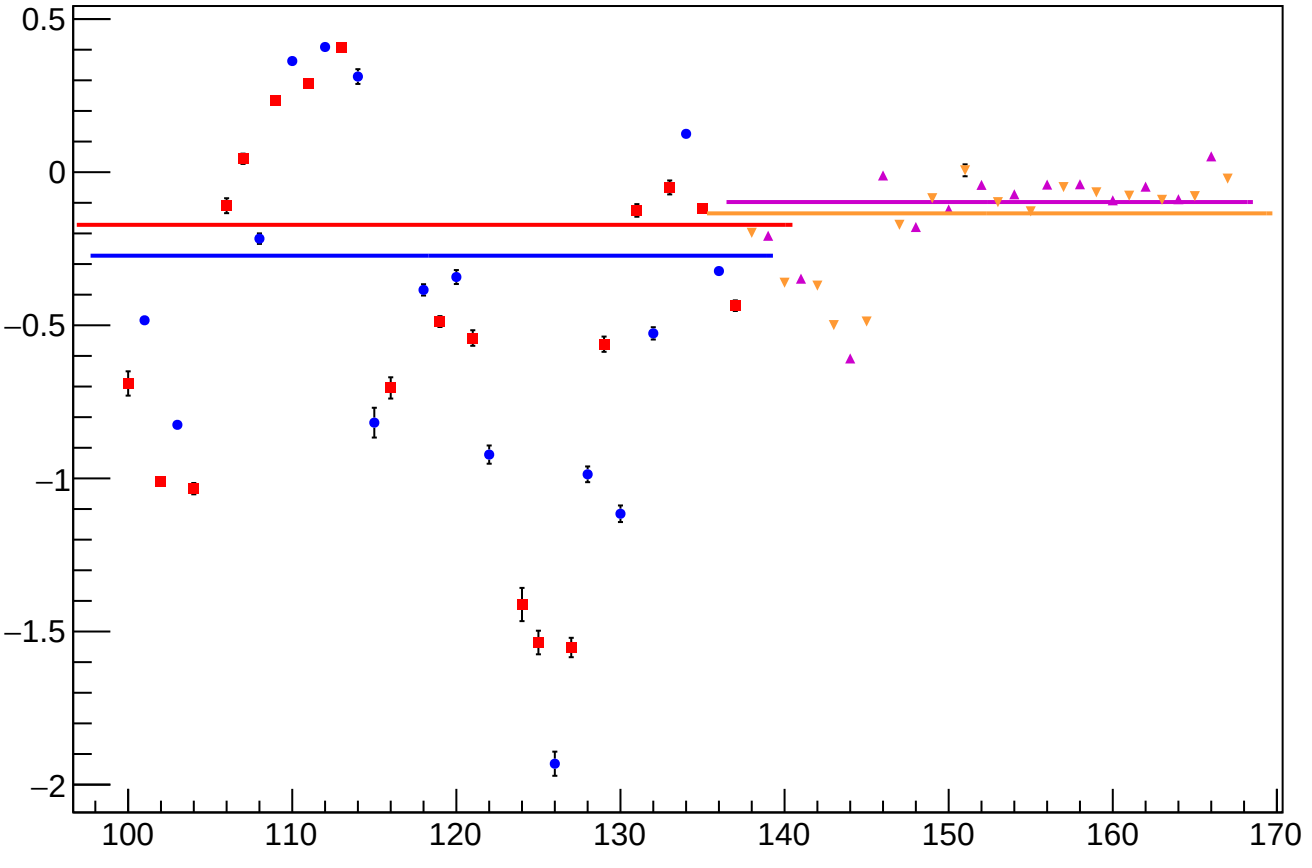
Left: -0.997+/-0.035 χ^2/NDF: 12738.1/29

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.149+/-0.039 χ^2/NDF:10814.7/29

Out: -1.276+/-0.041 χ^2/NDF:8918.7/34

All: -1.209+/-0.028 χ^2/NDF: 19738.3/64



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.134+/-0.002 χ^2/NDF:3081.2/15

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.098+/-0.002 χ^2/NDF:3226.4/13

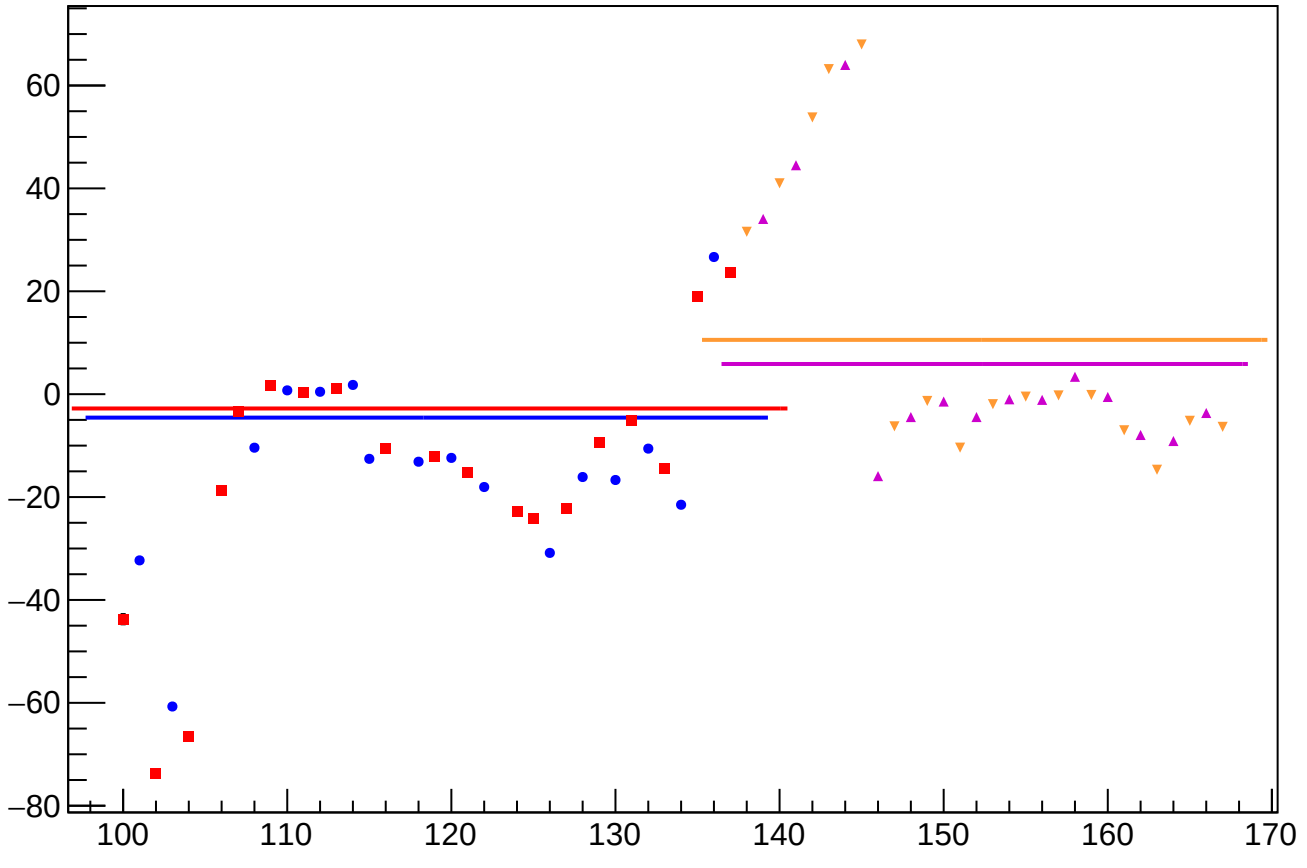
Left: -0.113+/-0.002 χ^2/NDF: 6451.8/29

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.130+/-0.002 χ^2/NDF:16485.3/29

Out: -0.144+/-0.002 χ^2/NDF:18472.3/34

All: -0.137+/-0.001 χ^2/NDF: 34986.5/64



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 10.557+/-0.065 χ^2/NDF:141859.0/15

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 5.866+/-0.059 χ^2/NDF:113660.4/13

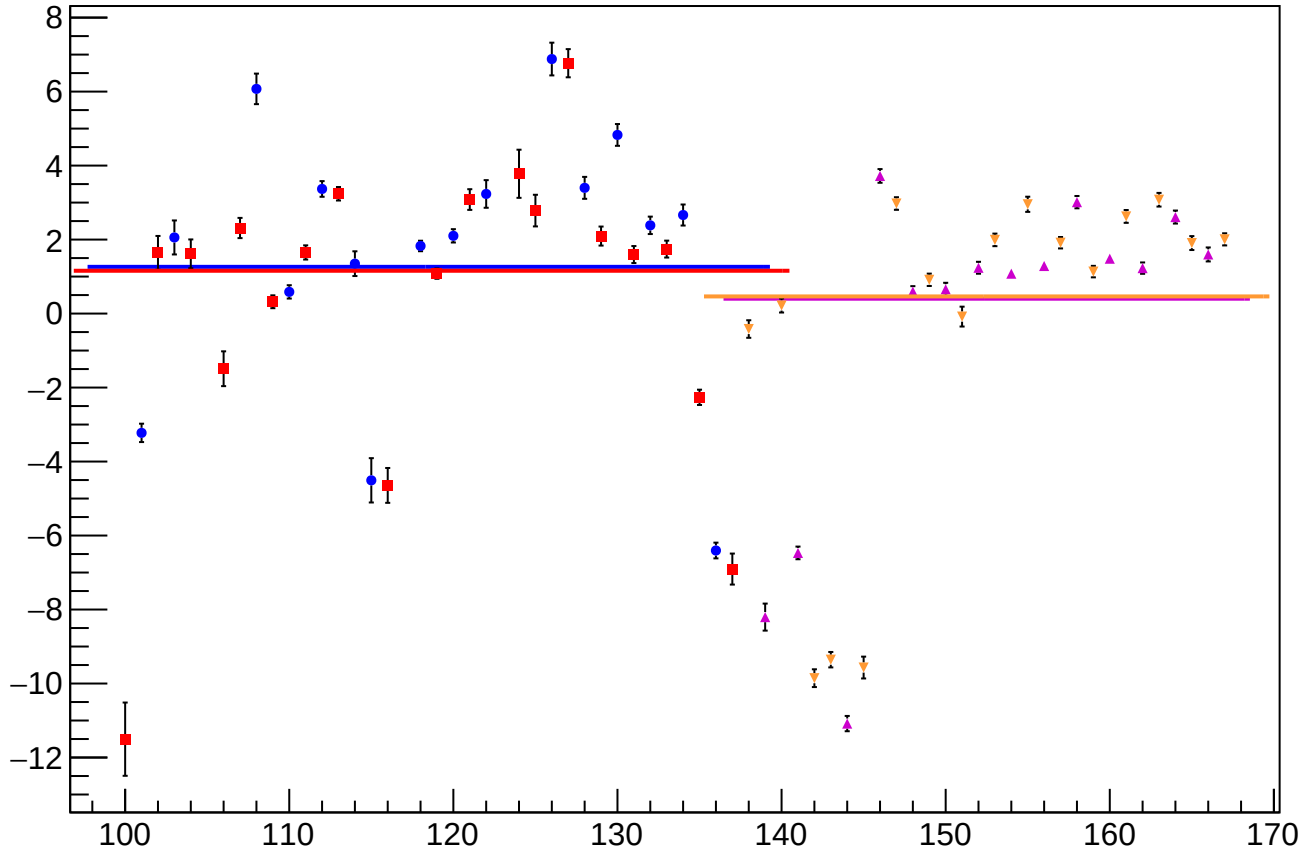
Left: 7.979+/-0.044 χ^2/NDF: 258369.6/29

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

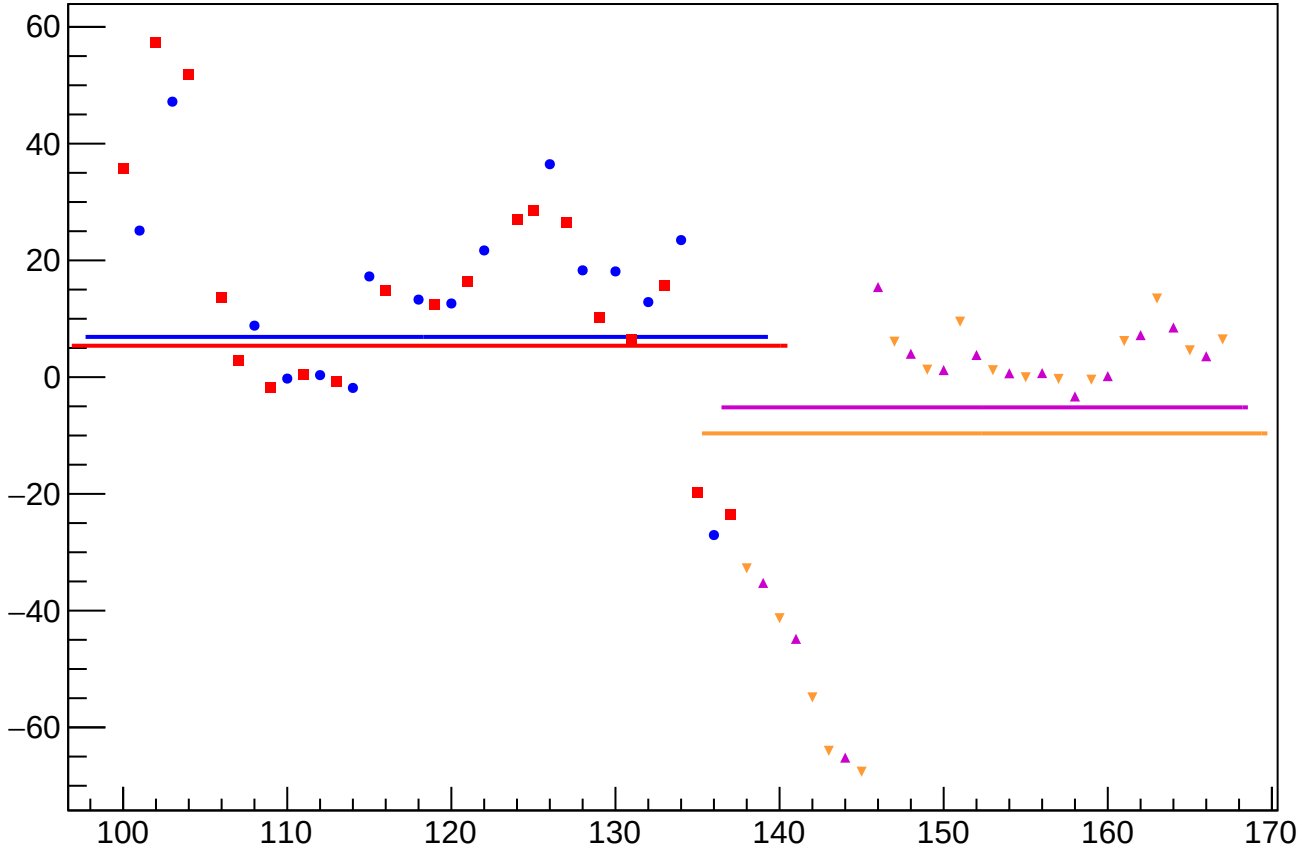
In: 0.460+/-0.041 χ^2/NDF:202502.7/29

Out: 1.979+/-0.039 χ^2/NDF:246733.6/34

All: 1.257+/-0.028 χ^2/NDF: 449960.4/64


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
−10
−12
100
110
120
130
140
150
160
170
Right In: 1.263+/-0.062 χ²/NDF: 2443.8/15
Left Out: 0.463+/-0.047 χ²/NDF:6300.1/15
Right Out: 1.157+/-0.059 χ²/NDF: 1490.5/18
Left In: 0.402+/-0.042 χ²/NDF:6244.6/13
Left: 0.429+/-0.031 χ²/NDF: 12545.7/29
Right: 1.208+/-0.043 χ²/NDF: 3935.9/34
In: 0.672+/-0.035 χ²/NDF:8820.7/29
Out: 0.733+/-0.037 χ²/NDF:7875.0/34
All: 0.701+/-0.025 χ²/NDF: 16697.1/64

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -9.637+/-0.063 χ^2/NDF:138842.6/15

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -5.179+/-0.057 χ^2/NDF:112025.0/13

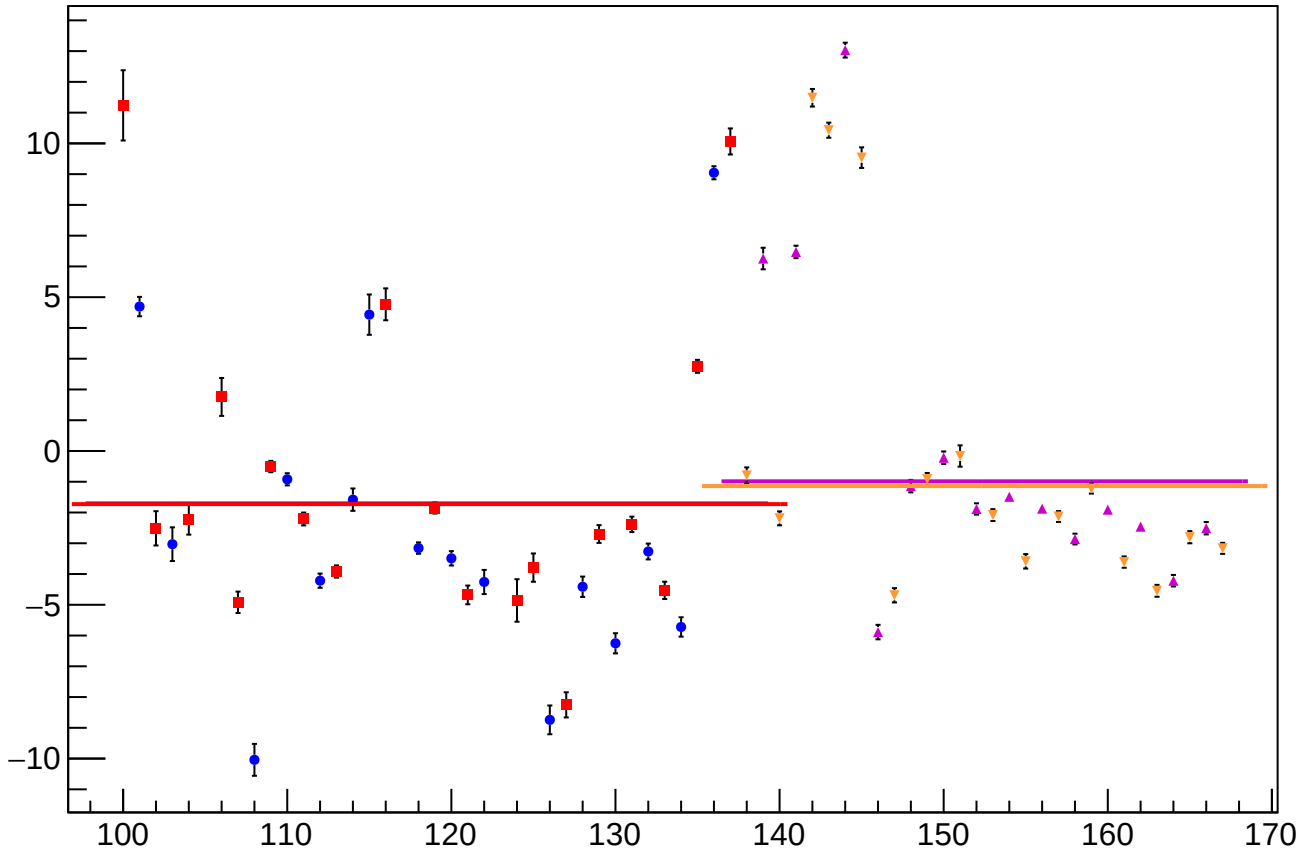
Left: -7.151+/-0.042 χ^2/NDF: 253616.5/29

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -0.188+/-0.043 χ^2/NDF:198918.5/29

Out: -1.912+/-0.044 χ^2/NDF:239856.5/34

All: -1.032+/-0.031 χ^2/NDF: 439550.5/64



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.141+/-0.053 χ^2/NDF:6297.3/15

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -0.987+/-0.048 χ^2/NDF:6267.1/13

Left: -1.055+/-0.036 χ^2/NDF: 12569.0/29

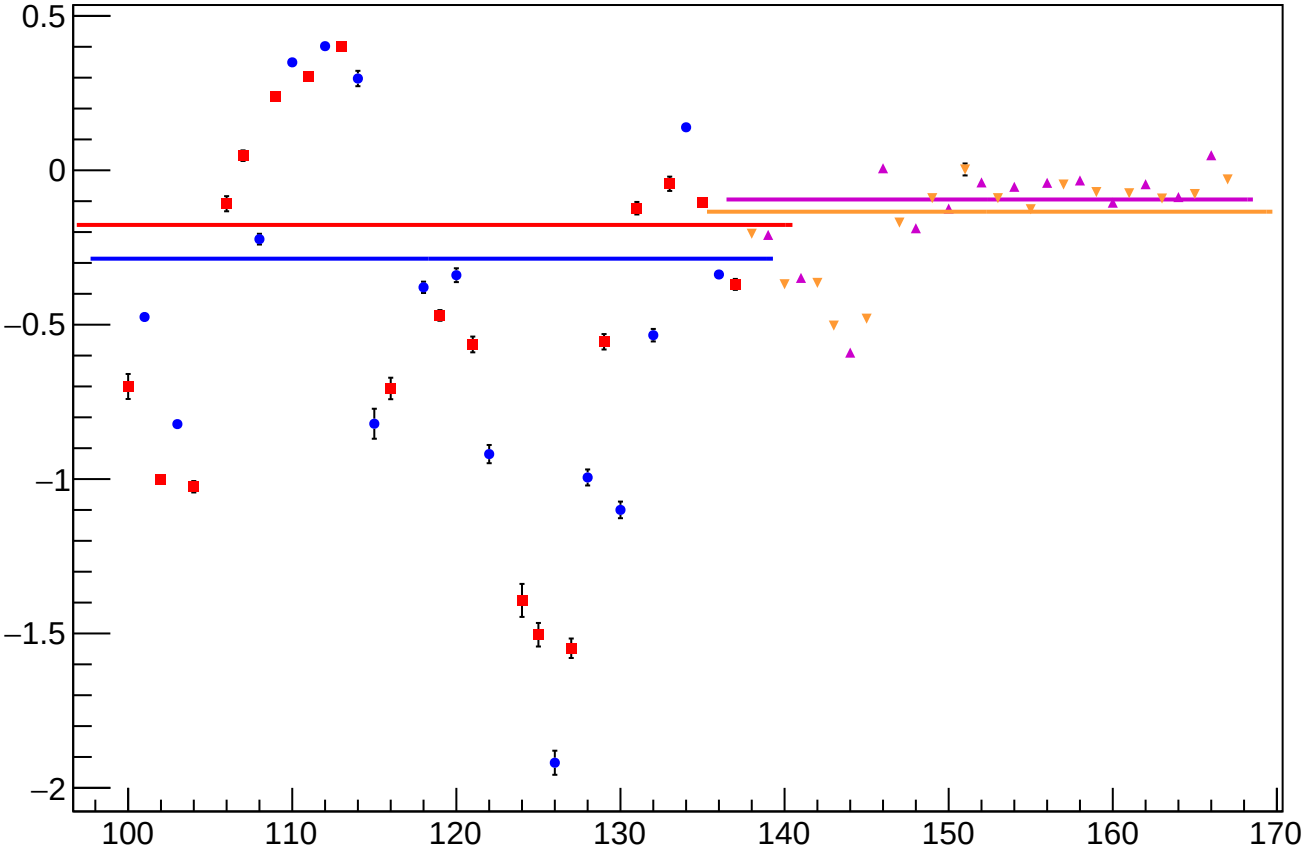
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.207+/-0.040 χ^2/NDF:10627.3/29

Out: -1.369+/-0.042 χ^2/NDF:8653.9/34

All: -1.284+/-0.029 χ^2/NDF: 19289.1/64

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.134+/-0.002 χ^2/NDF:3007.5/15

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.095+/-0.002 χ^2/NDF:3118.8/13

Left: -0.112+/-0.002 χ^2/NDF: 6287.7/29

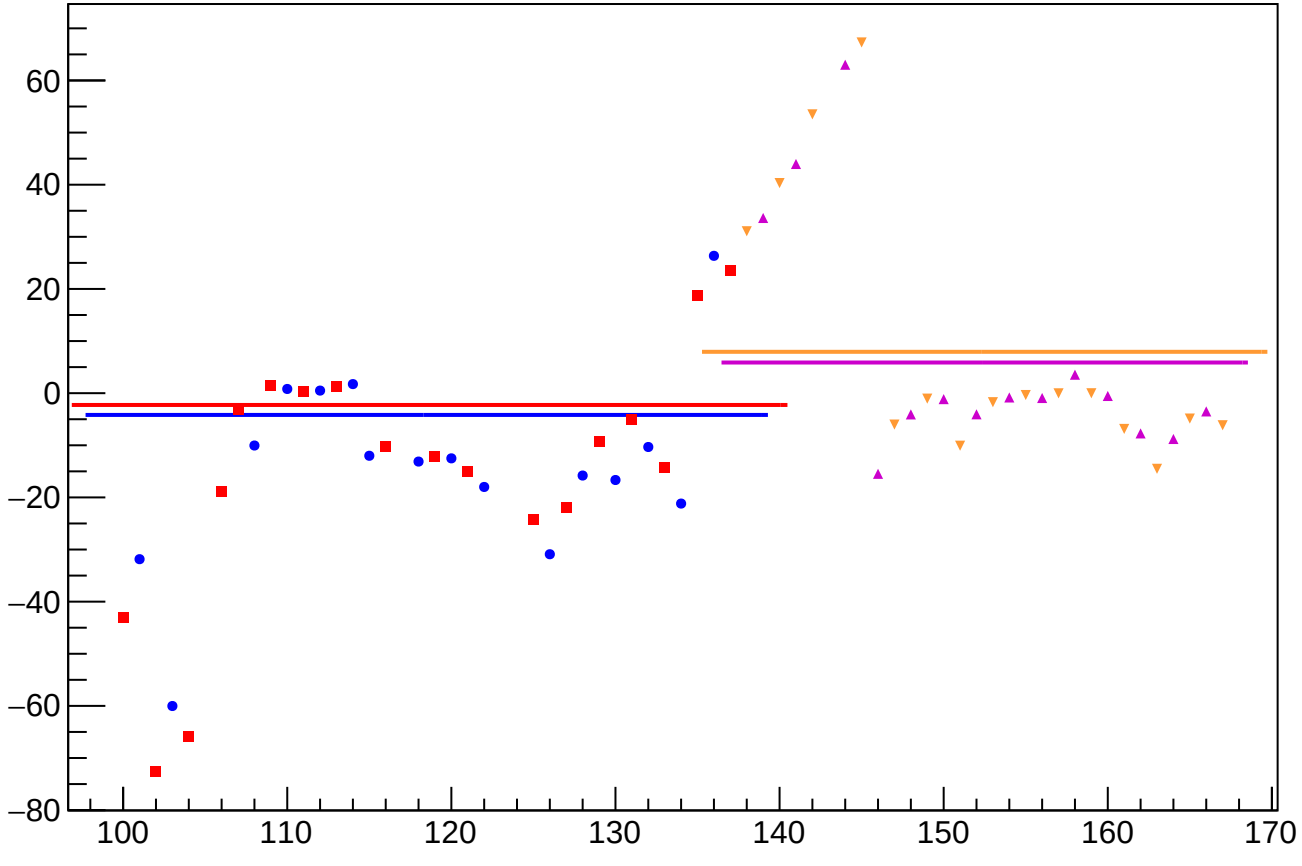
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.130+/-0.002 χ^2/NDF:16113.4/29

Out: -0.145+/-0.002 χ^2/NDF:17862.1/34

All: -0.137+/-0.001 χ^2/NDF: 34006.4/64

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 7.938+/-0.065 χ^2/NDF:110067.9/14

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 5.883+/-0.057 χ^2/NDF:116963.4/13

Left: 6.771+/-0.043 χ^2/NDF: 227597.4/28

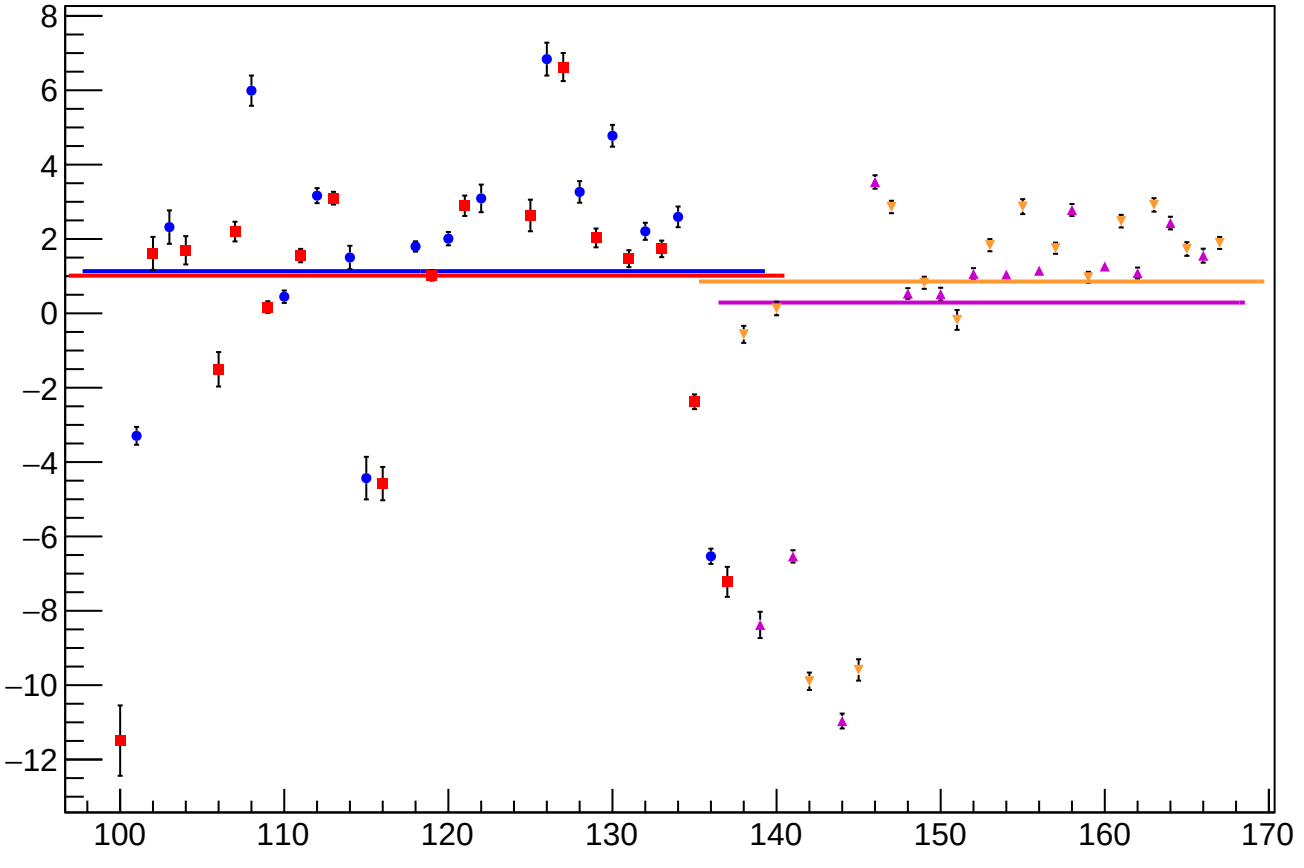
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.642+/-0.039 χ^2/NDF:208691.3/29

Out: 1.142+/-0.038 χ^2/NDF:206067.2/32

All: 0.903+/-0.027 χ^2/NDF: 414842.9/62

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.856+/-0.047 χ^2/NDF:4096.0/14

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.290+/-0.040 χ^2/NDF:6440.7/13

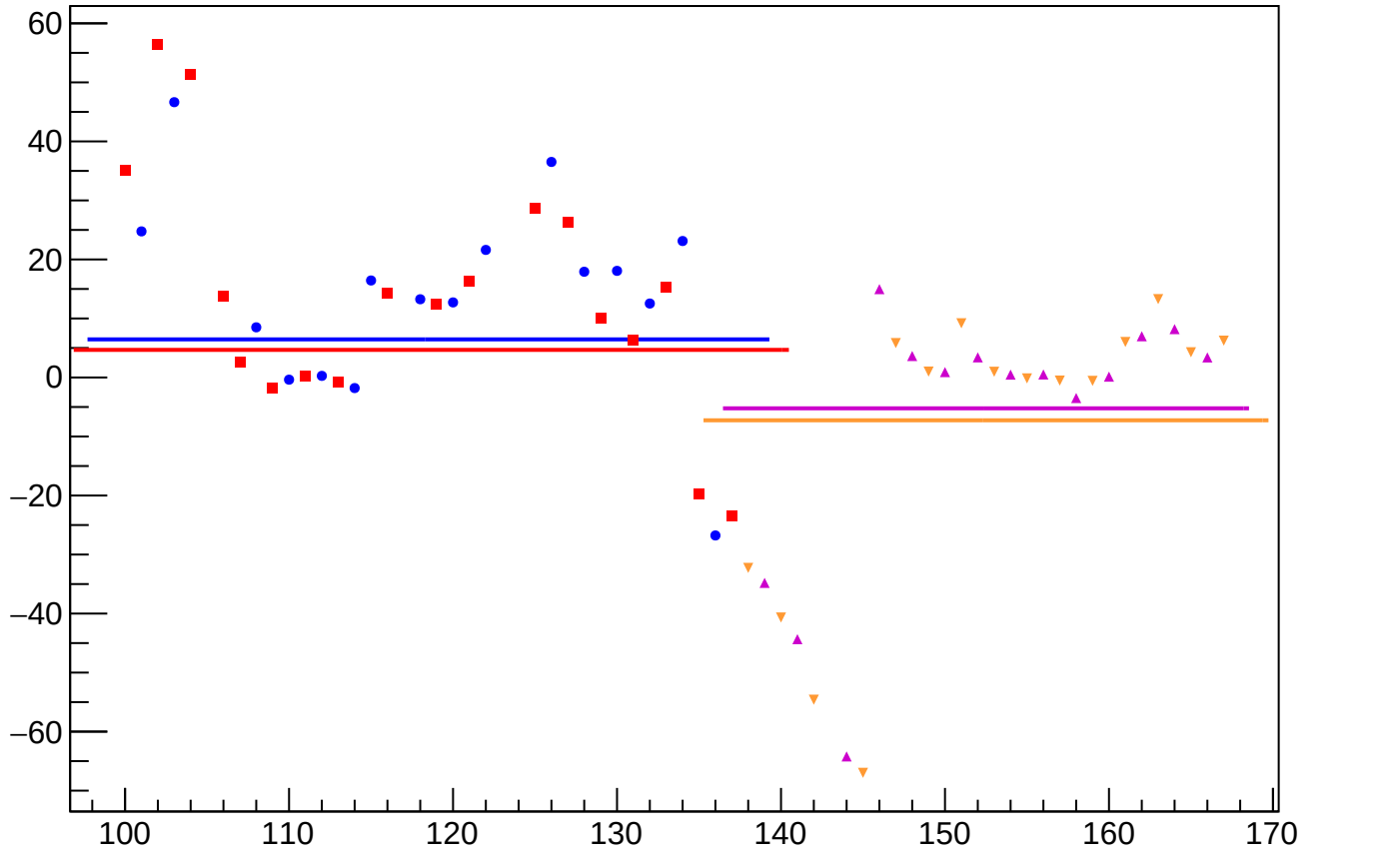
Left: 0.530+/-0.031 χ^2/NDF: 10619.8/28

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

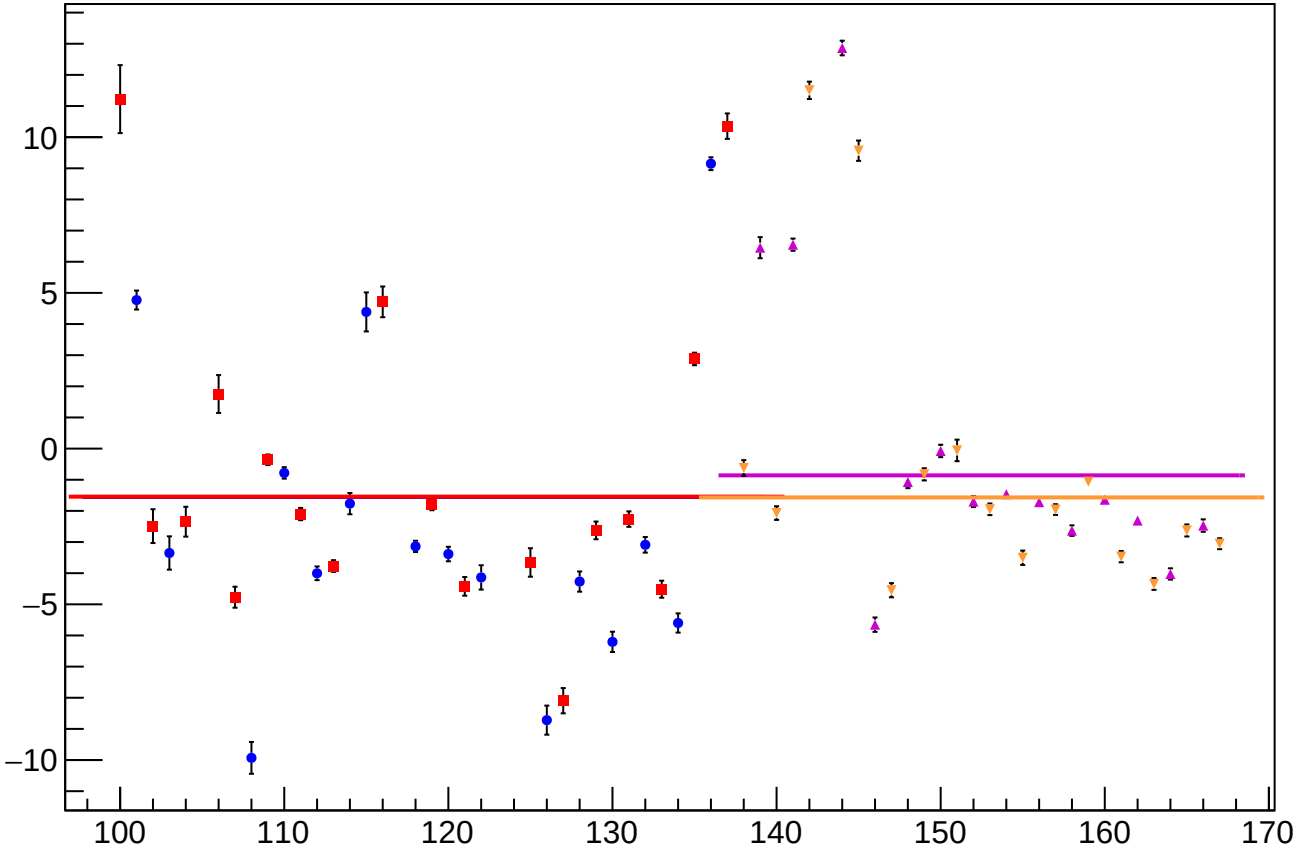
In: 0.553+/-0.034 χ^2/NDF:9172.2/29

Out: 0.920+/-0.036 χ^2/NDF:5693.5/32

All: 0.721+/-0.025 χ^2/NDF: 14920.9/62


reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
Right In: 6.458+/-0.065 χ²/NDF: 70792.7/15
Left Out: -7.253+/-0.063 χ²/NDF:106978.9/14
Right Out: 4.677+/-0.059 χ²/NDF: 74414.5/17
Left In: -5.226+/-0.054 χ²/NDF:115343.0/13
Left: -6.088+/-0.041 χ²/NDF: 222912.3/28
Right: 5.483+/-0.044 χ²/NDF: 145618.4/33
In: -0.407+/-0.042 χ²/NDF:205142.4/29
Out: -0.883+/-0.043 χ²/NDF:200390.7/32
All: -0.637+/-0.030 χ²/NDF: 405596.0/62

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.568+/-0.053 χ^2/NDF:4098.7/14

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.859+/-0.046 χ^2/NDF:6442.9/13

Left: -1.159+/-0.035 χ^2/NDF: 10643.3/28

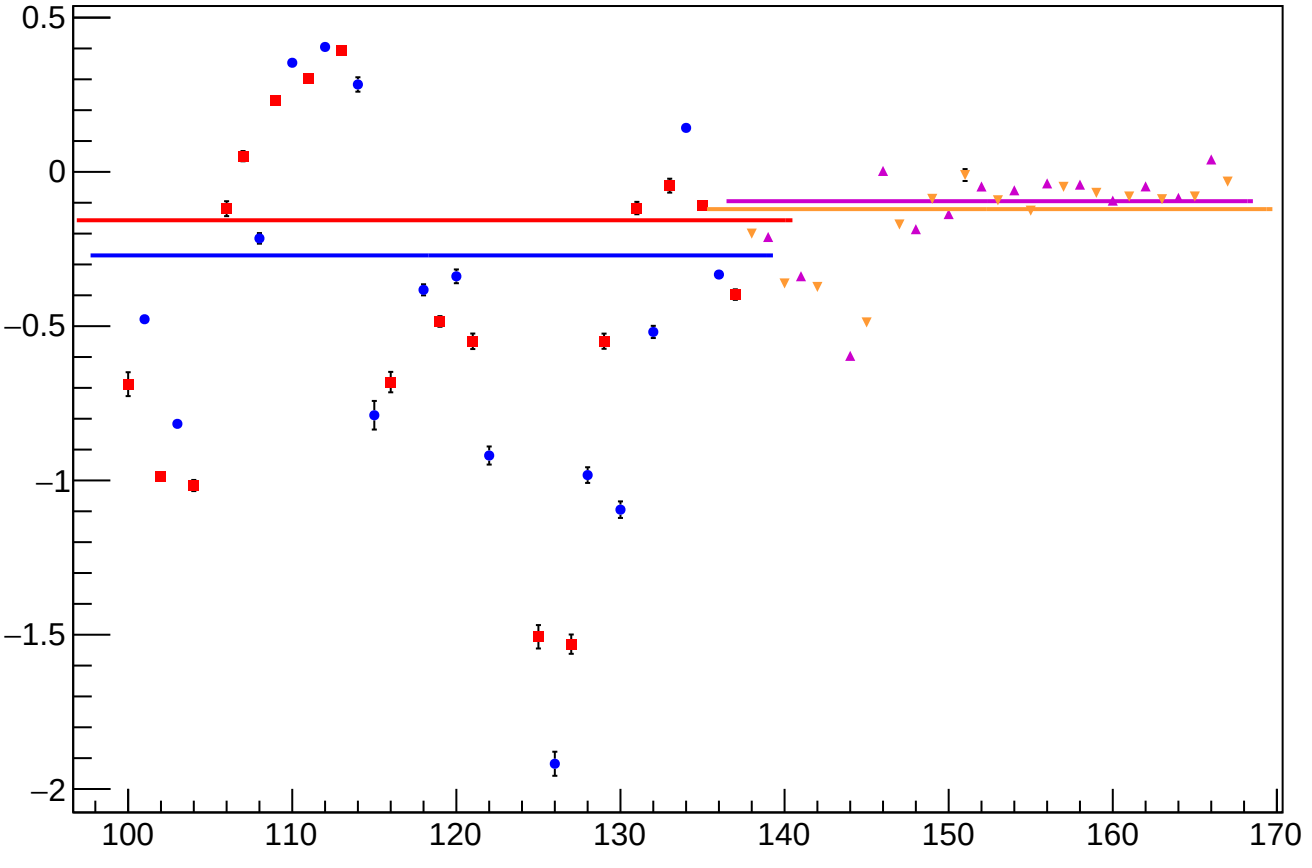
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.069+/-0.038 χ^2/NDF:11056.1/29

Out: -1.558+/-0.041 χ^2/NDF:6571.8/32

All: -1.295+/-0.028 χ^2/NDF: 17703.6/62

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.121+/-0.002 χ^2/NDF:2140.7/14

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.095+/-0.002 χ^2/NDF:3229.8/13

Left: -0.106+/-0.002 χ^2/NDF: 5441.7/28

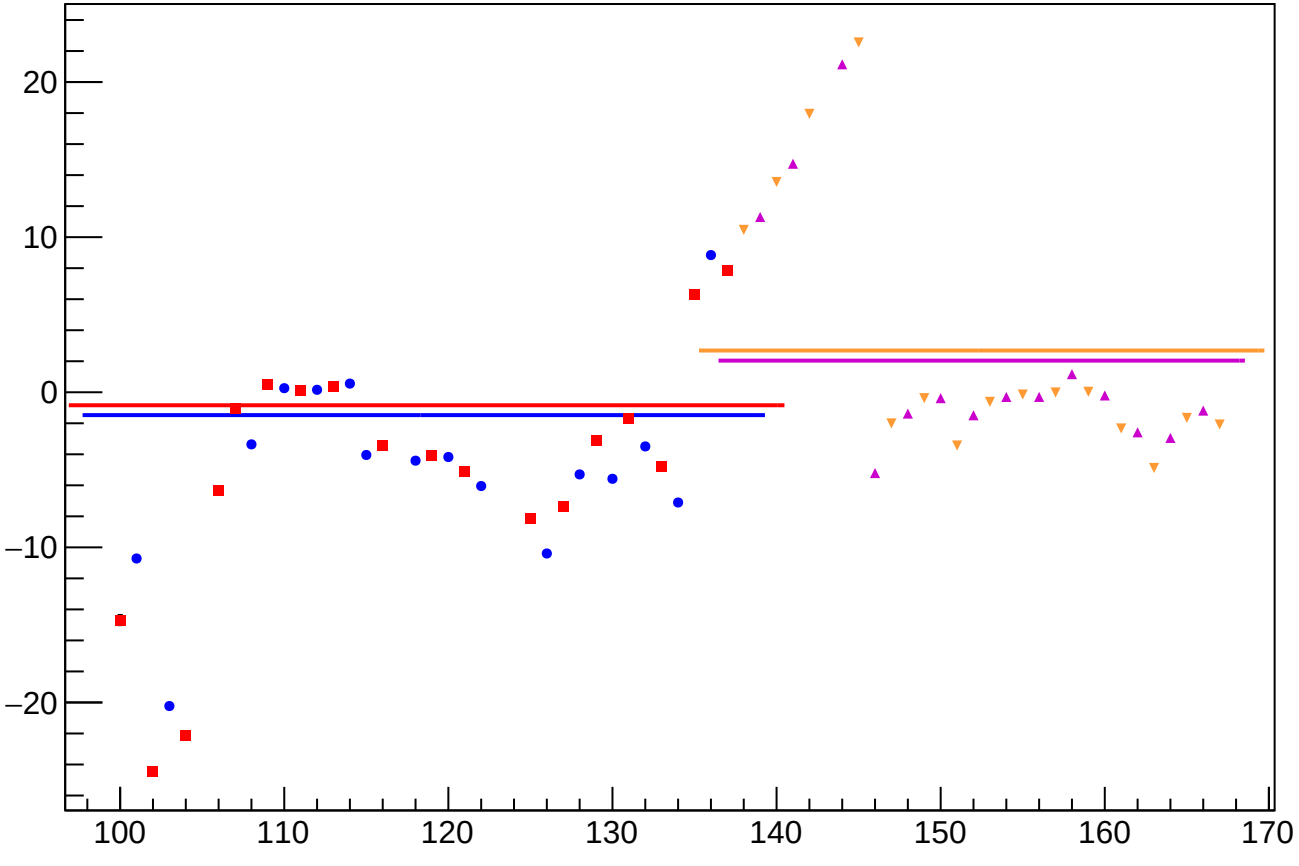
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.127+/-0.002 χ^2/NDF:16796.8/29

Out: -0.131+/-0.002 χ^2/NDF:17225.5/32

All: -0.129+/-0.001 χ^2/NDF: 34024.0/62

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 2.692+/-0.022 χ^2/NDF:108149.1/14

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 2.040+/-0.020 χ^2/NDF:114314.8/13

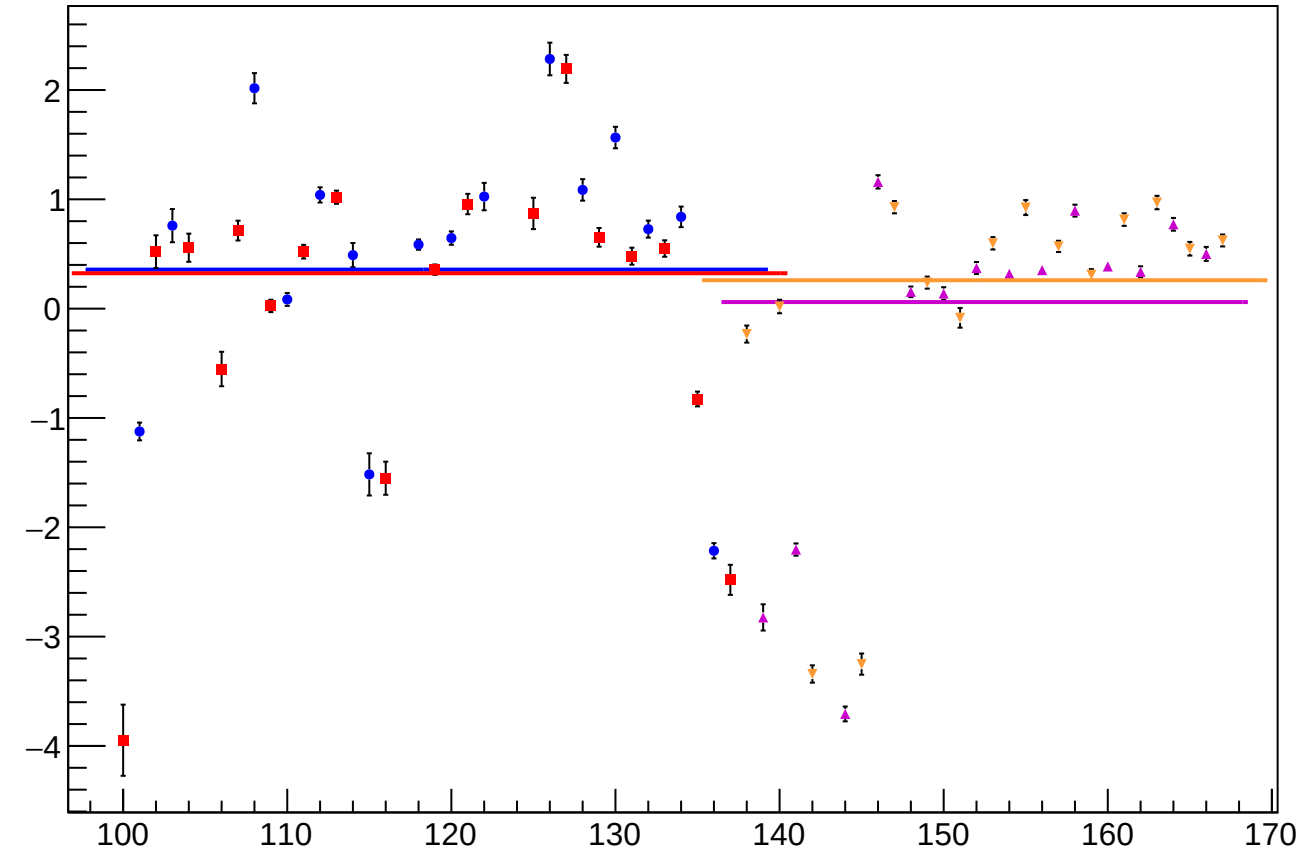
Left: 2.324+/-0.015 χ^2/NDF: 222950.0/28

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.209+/-0.014 χ^2/NDF:204872.9/29

Out: 0.372+/-0.013 χ^2/NDF:202790.9/32

All: 0.294+/-0.009 χ^2/NDF: 407739.7/62



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.260+/-0.016 χ^2/NDF:4045.5/14

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.060+/-0.014 χ^2/NDF:6272.5/13

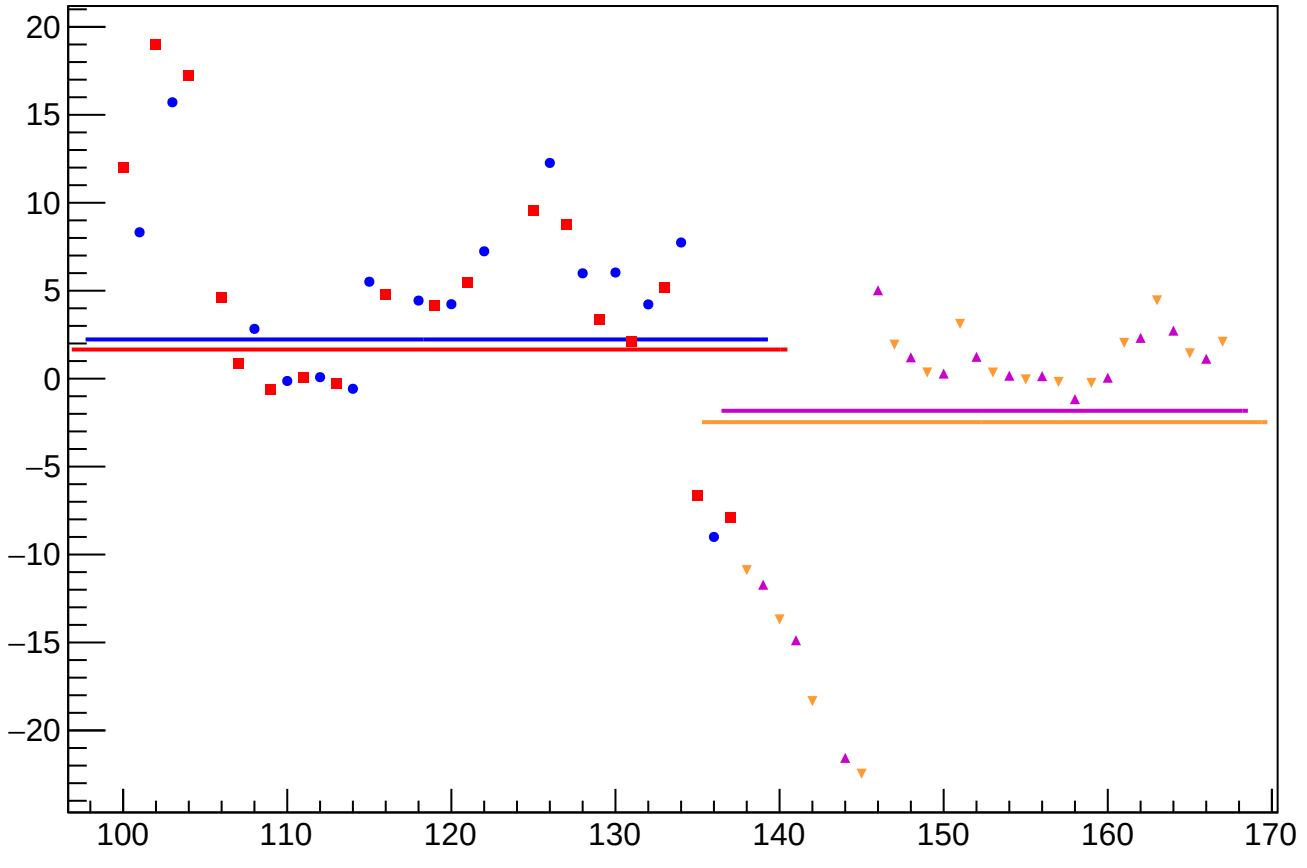
Left: 0.146+/-0.011 χ^2/NDF: 10406.1/28

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.153+/-0.012 χ^2/NDF:8958.5/29

Out: 0.285+/-0.012 χ^2/NDF:5610.8/32

All: 0.214+/-0.008 χ^2/NDF: 14629.7/62



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -2.474+/-0.022 χ^2/NDF:105137.4/14

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -1.828+/-0.019 χ^2/NDF:112817.7/13

Left: -2.106+/-0.014 χ^2/NDF: 218466.0/28

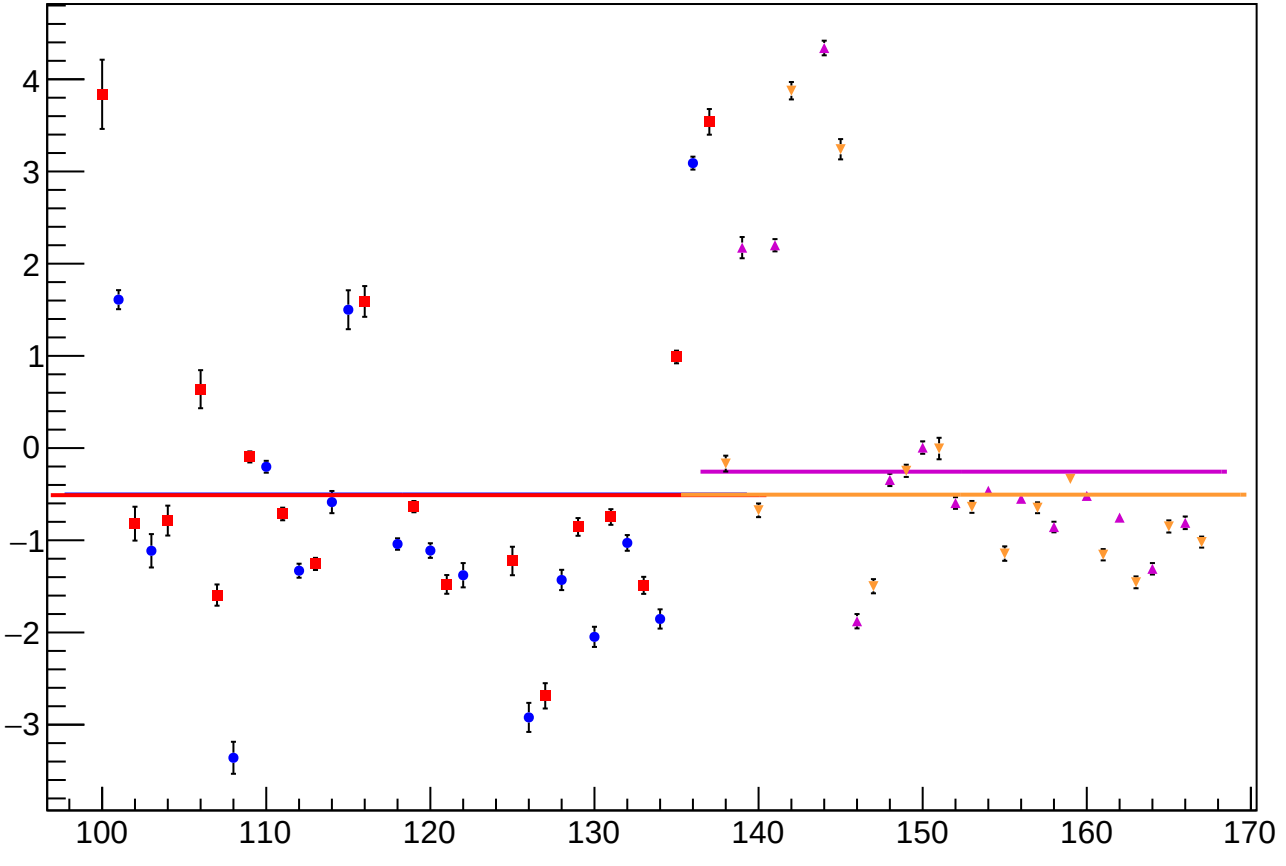
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.144+/-0.014 χ^2/NDF:201442.0/29

Out: -0.297+/-0.015 χ^2/NDF:197240.9/32

All: -0.218+/-0.010 χ^2/NDF: 398737.9/62

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.505+/-0.018 χ^2/NDF:4052.5/14

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.256+/-0.016 χ^2/NDF:6285.8/13

Left: -0.363+/-0.012 χ^2/NDF: 10445.4/28

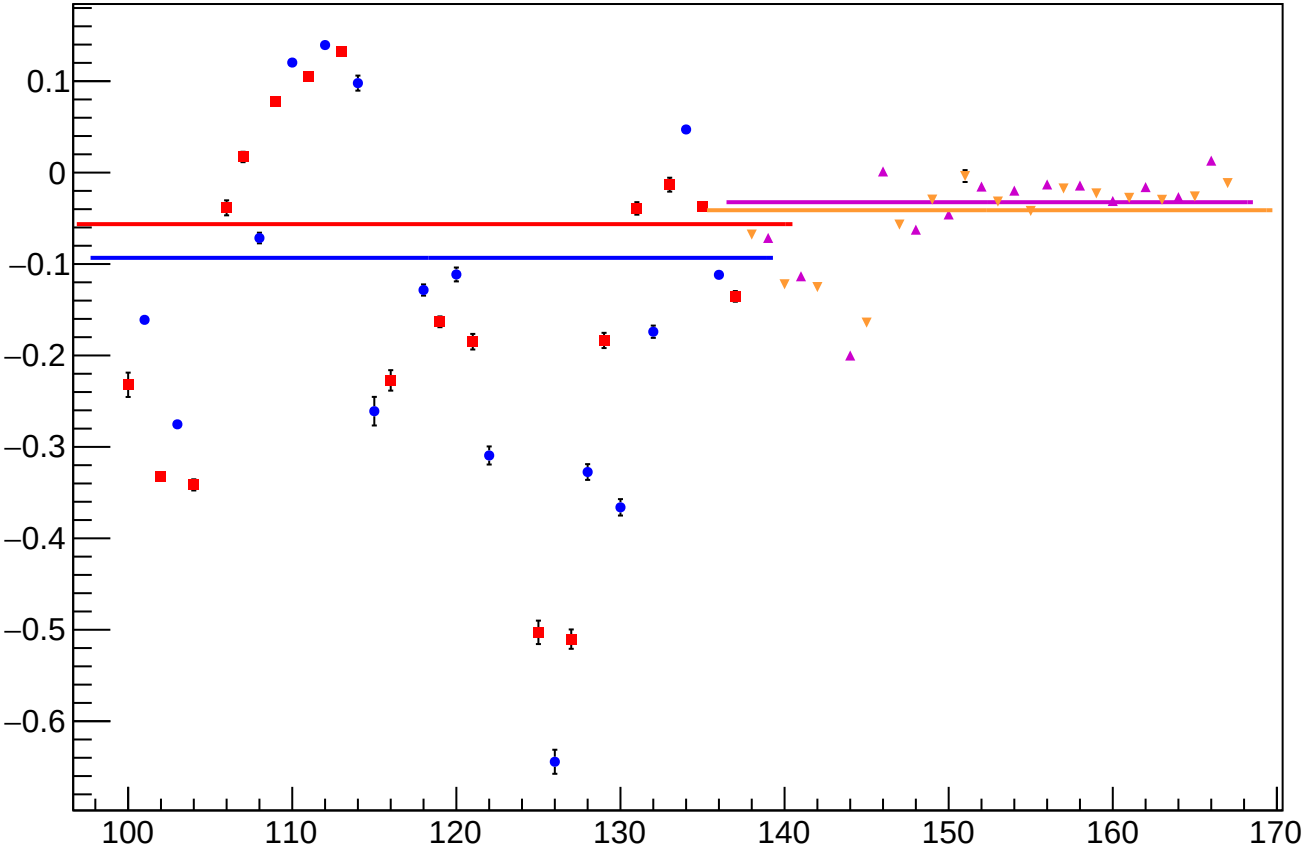
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.332+/-0.013 χ^2/NDF:10808.7/29

Out: -0.507+/-0.014 χ^2/NDF:6476.5/32

All: -0.413+/-0.010 χ^2/NDF: 17368.2/62

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.041+/-0.001 χ^2/NDF:2094.3/14

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.032+/-0.001 χ^2/NDF:3153.8/13

Left: -0.036+/-0.001 χ^2/NDF: 5318.8/28

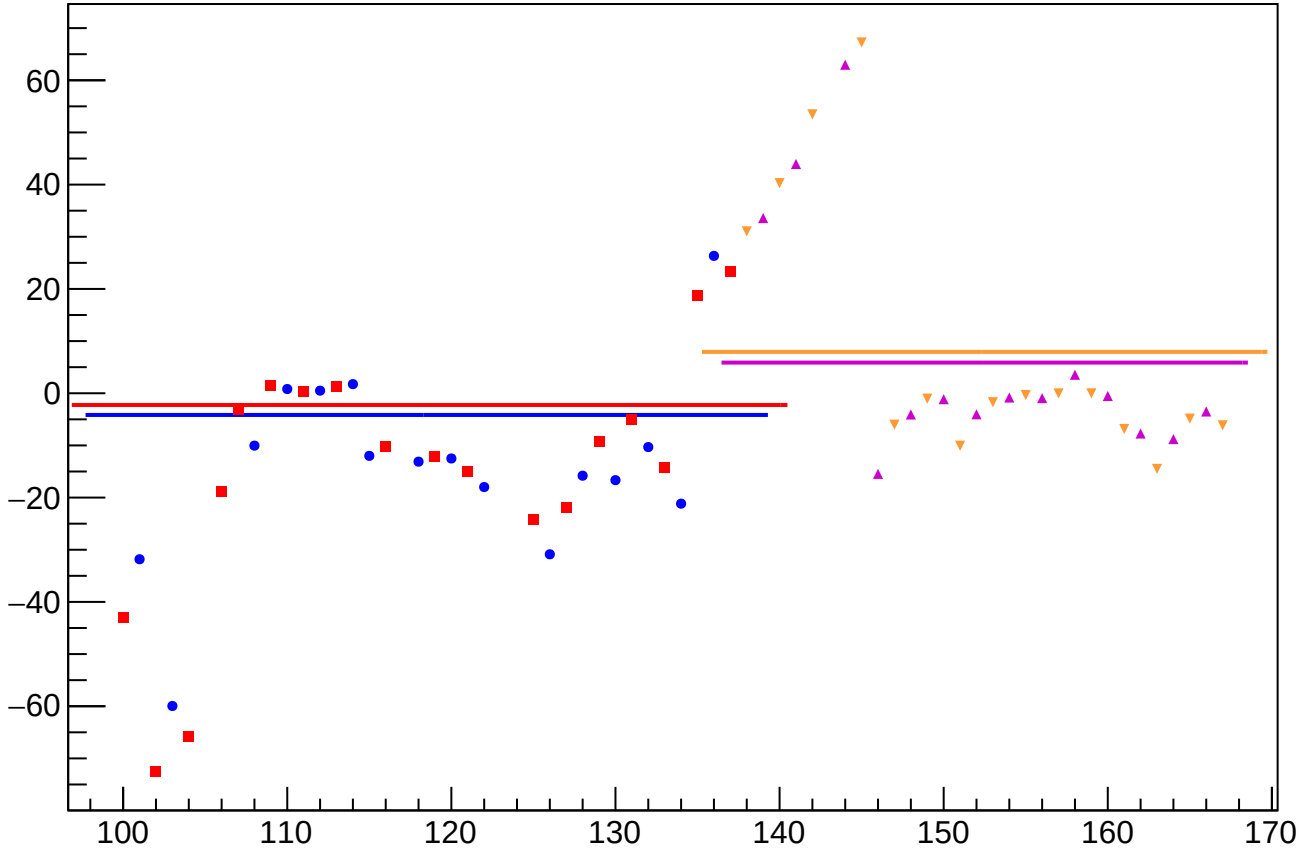
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.044+/-0.001 χ^2/NDF:16402.9/29

Out: -0.045+/-0.001 χ^2/NDF:16650.5/32

All: -0.044+/-0.000 χ^2/NDF: 33056.3/62

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 7.935+/-0.065 χ^2/NDF:110050.2/14

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 5.880+/-0.057 χ^2/NDF:116978.4/13

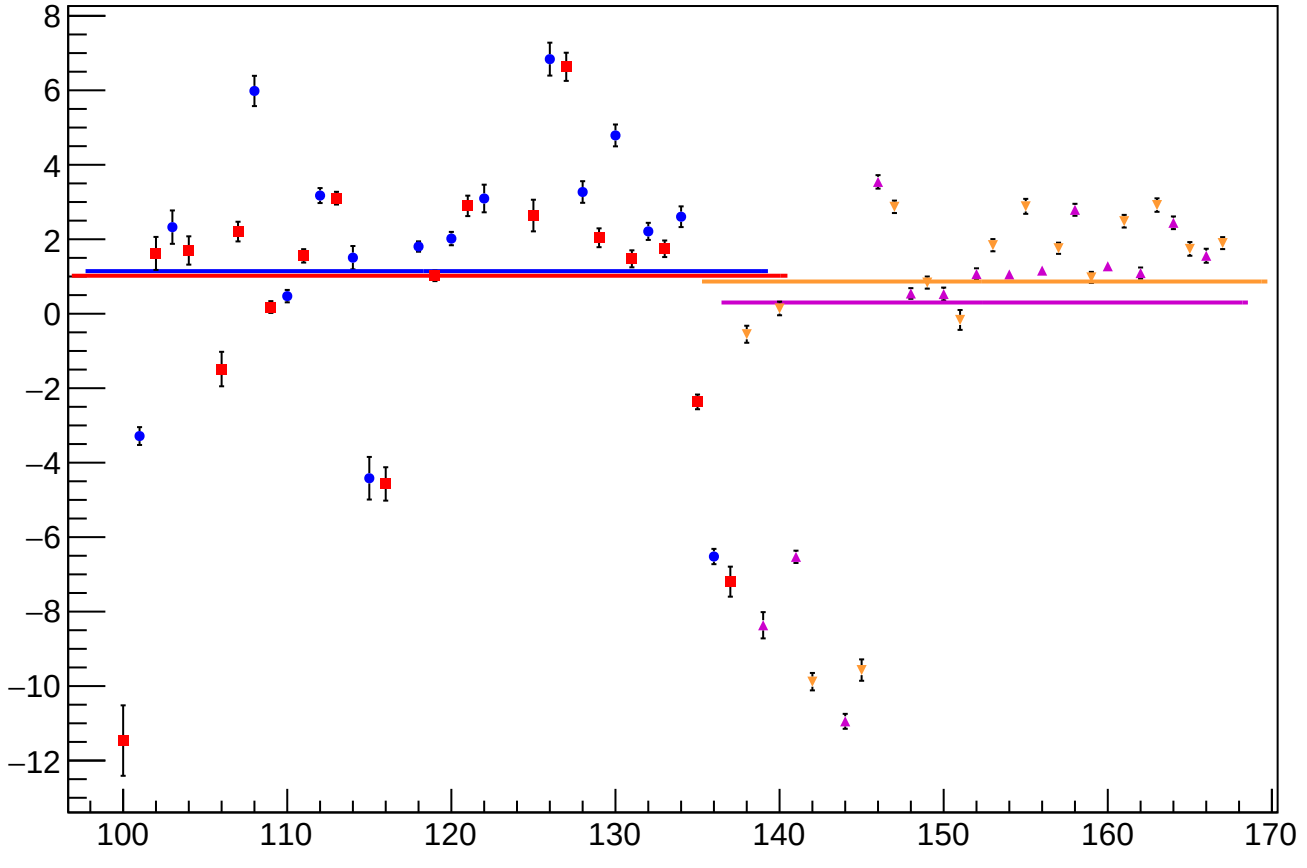
Left: 6.769+/-0.043 χ^2/NDF: 227595.8/28

Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.646+/-0.039 χ^2/NDF:208713.3/29

Out: 1.144+/-0.038 χ^2/NDF:206059.0/32

All: 0.907+/-0.027 χ^2/NDF: 414856.4/62



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.865+/-0.047 χ^2/NDF:4094.8/14

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.301+/-0.040 χ^2/NDF:6446.6/13

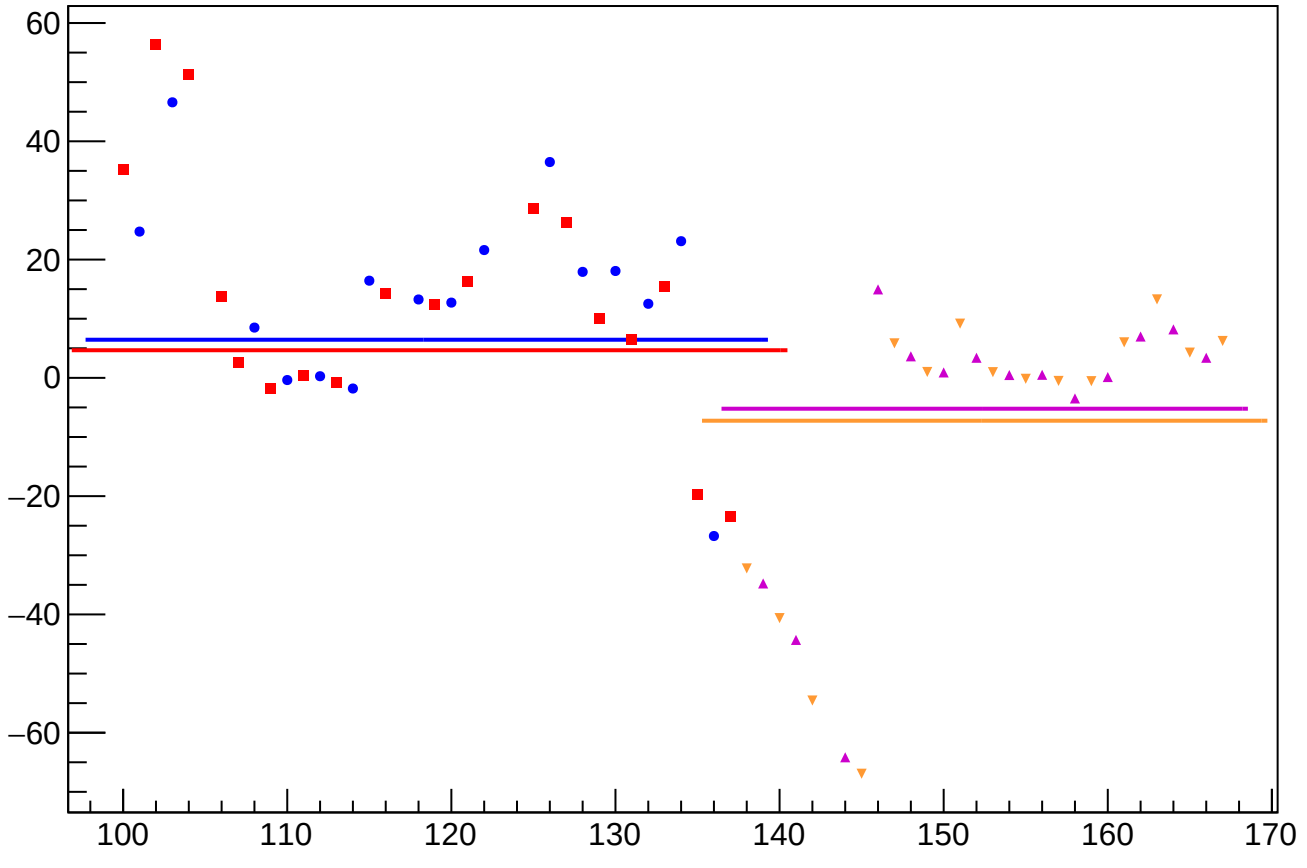
Left: 0.540+/-0.031 χ^2/NDF: 10624.1/28

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.563+/-0.034 χ^2/NDF:9177.4/29

Out: 0.928+/-0.036 χ^2/NDF:5690.4/32

All: 0.731+/-0.025 χ^2/NDF: 14922.4/62



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -7.246+/-0.063 χ^2/NDF:106960.2/14

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -5.218+/-0.054 χ^2/NDF:115355.3/13

Left: -6.080+/-0.041 χ^2/NDF: 222907.3/28

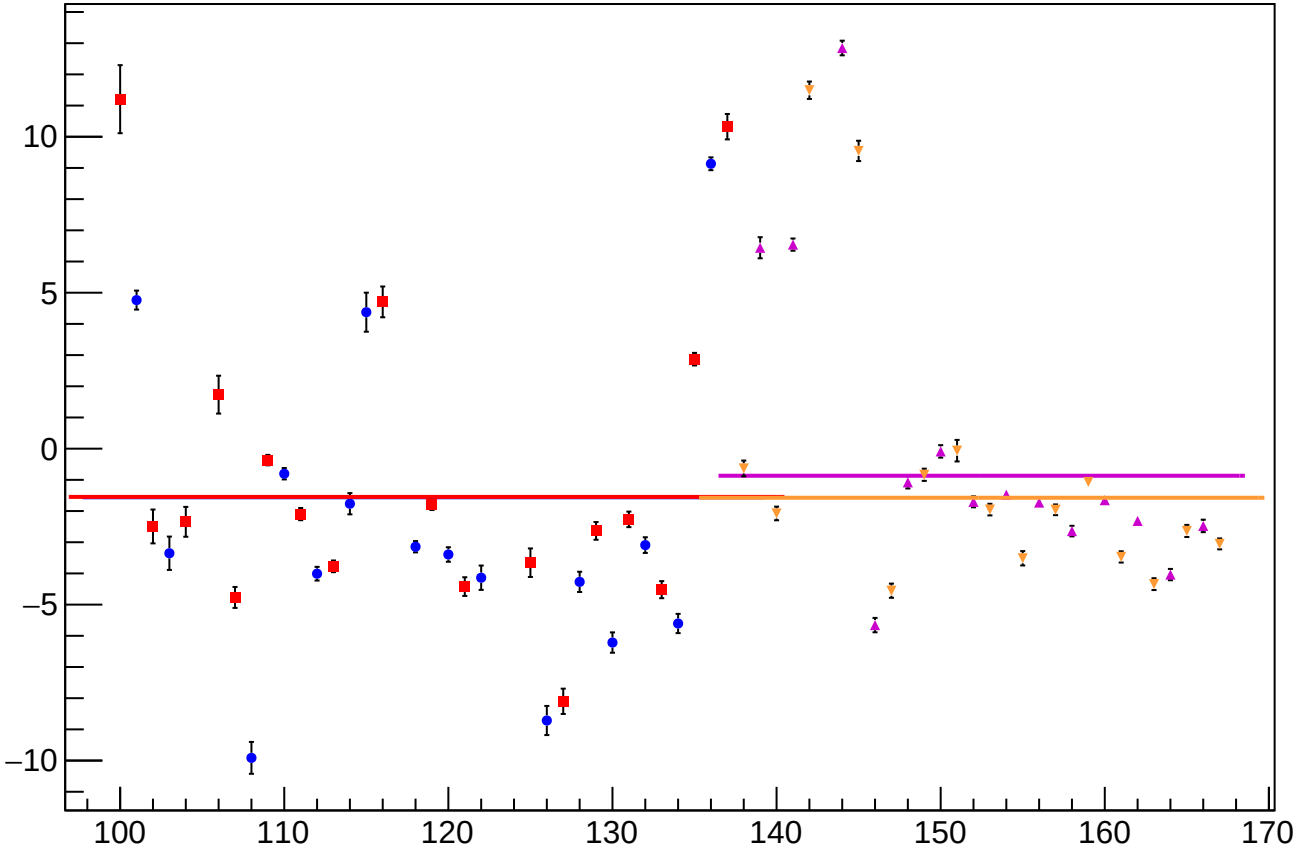
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.405+/-0.042 χ^2/NDF:205157.6/29

Out: -0.880+/-0.043 χ^2/NDF:200375.6/32

All: -0.634+/-0.030 χ^2/NDF: 405595.8/62

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.574+/-0.053 χ^2/NDF:4096.7/14

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.868+/-0.046 χ^2/NDF:6447.9/13

Left: -1.167+/-0.035 χ^2/NDF: 10645.6/28

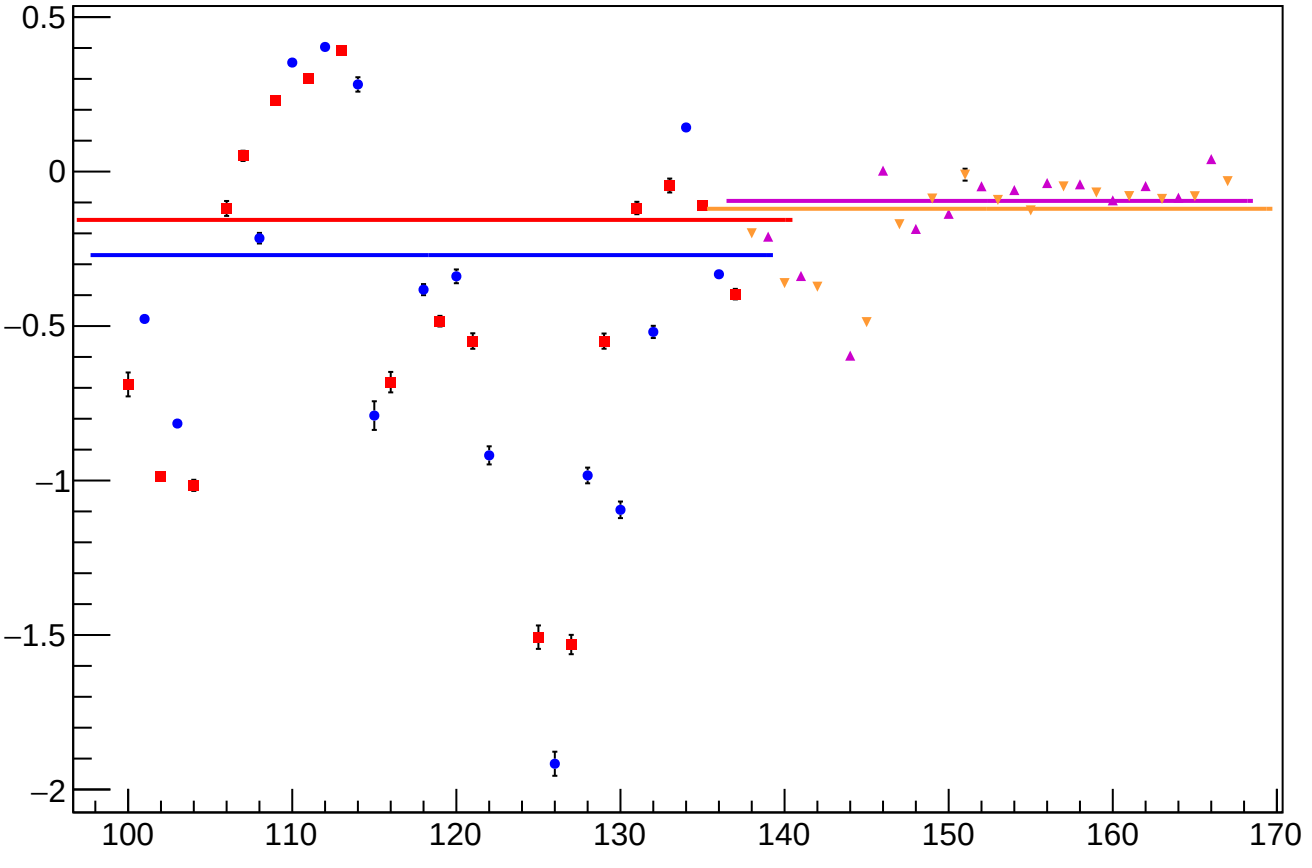
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.077+/-0.038 χ^2/NDF:11060.2/29

Out: -1.563+/-0.041 χ^2/NDF:6566.9/32

All: -1.302+/-0.028 χ^2/NDF: 17702.1/62

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.120+/-0.002 χ^2/NDF:2142.0/14

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.095+/-0.002 χ^2/NDF:3230.5/13

Left: -0.105+/-0.001 χ^2/NDF: 5442.7/28

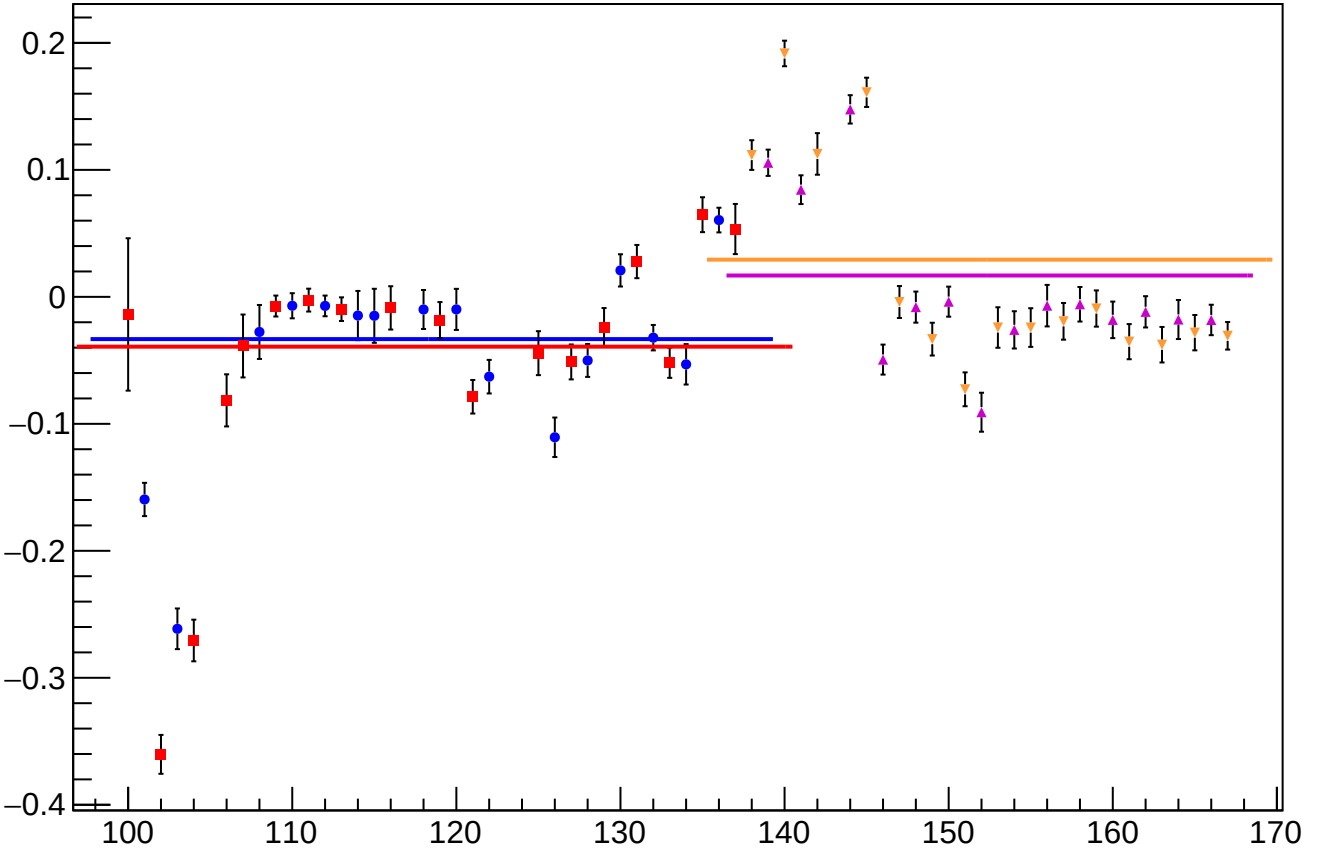
Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.127+/-0.002 χ^2/NDF:16796.0/29

Out: -0.130+/-0.002 χ^2/NDF:17237.6/32

All: -0.128+/-0.001 χ^2/NDF: 34035.1/62

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.029+/-0.003 χ^2/NDF:690.1/14

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.017+/-0.003 χ^2/NDF:372.4/13

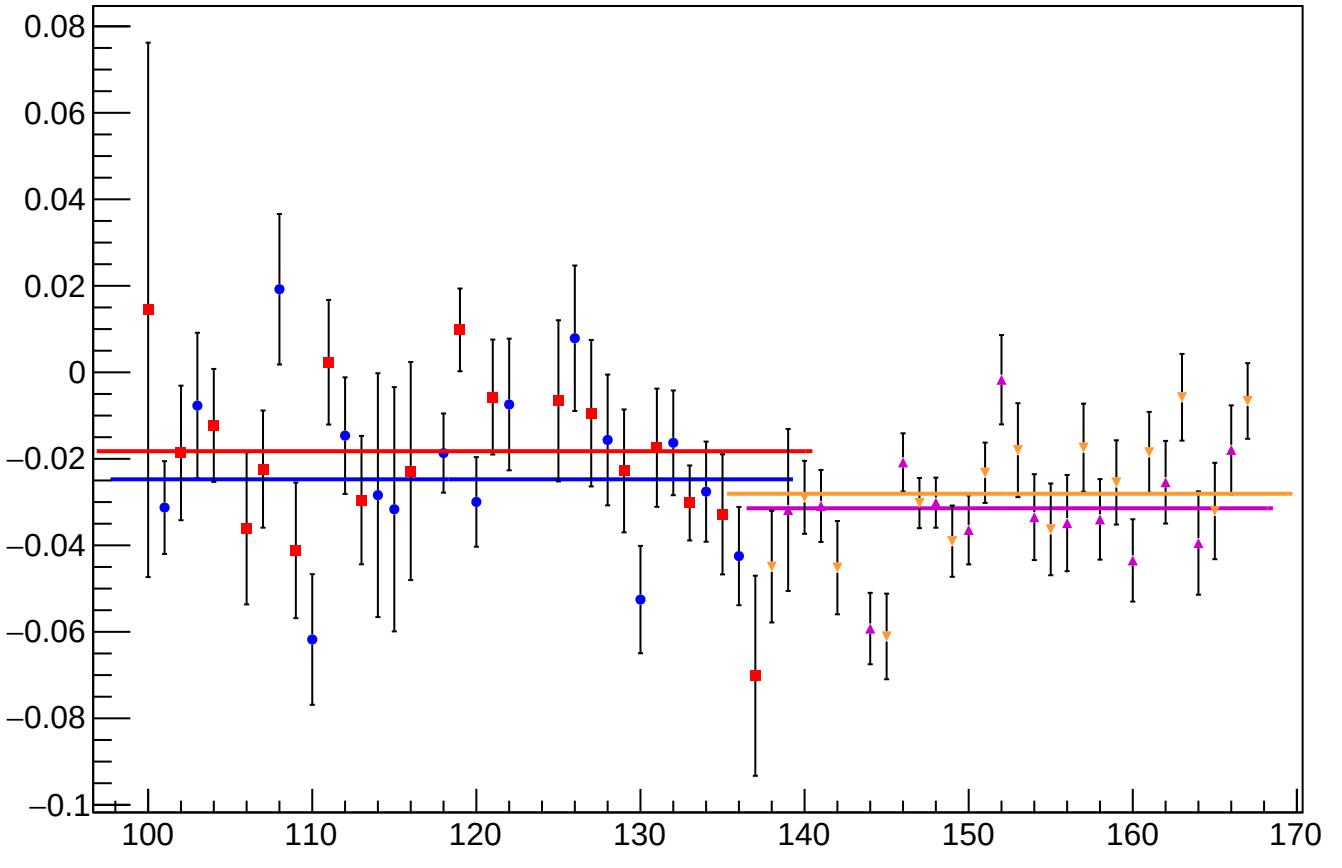
Left: 0.023+/-0.002 χ^2/NDF: 1069.3/28

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

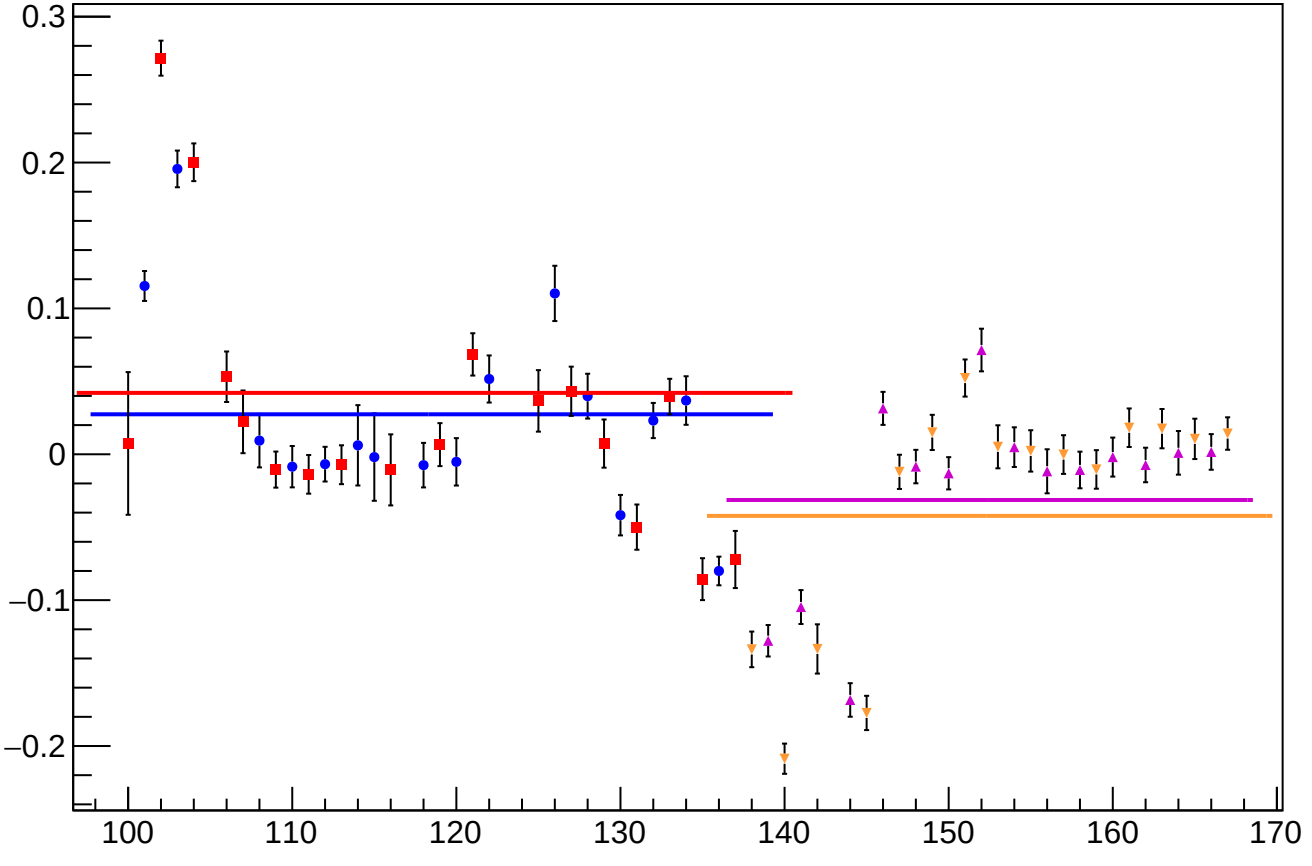
In: -0.010+/-0.002 χ^2/NDF:950.6/29

Out: -0.007+/-0.002 χ^2/NDF:1716.5/32

All: -0.008+/-0.002 χ^2/NDF: 2667.8/62


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
Right In: -0.025+/-0.003 χ²/NDF: 28.5/15
Left Out: -0.028+/-0.002 χ²/NDF:32.5/14
Right Out: -0.018+/-0.003 χ²/NDF: 24.7/17
Left In: -0.031+/-0.002 χ²/NDF:27.0/13
Left: -0.030+/-0.002 χ²/NDF: 60.5/28
Right: -0.022+/-0.002 χ²/NDF: 55.1/33
In: -0.029+/-0.002 χ²/NDF:58.2/29
Out: -0.025+/-0.002 χ²/NDF:62.9/32
All: -0.027+/-0.001 χ²/NDF: 123.6/62

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.042+/-0.003 χ^2/NDF:677.3/14

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.031+/-0.003 χ^2/NDF:381.3/13

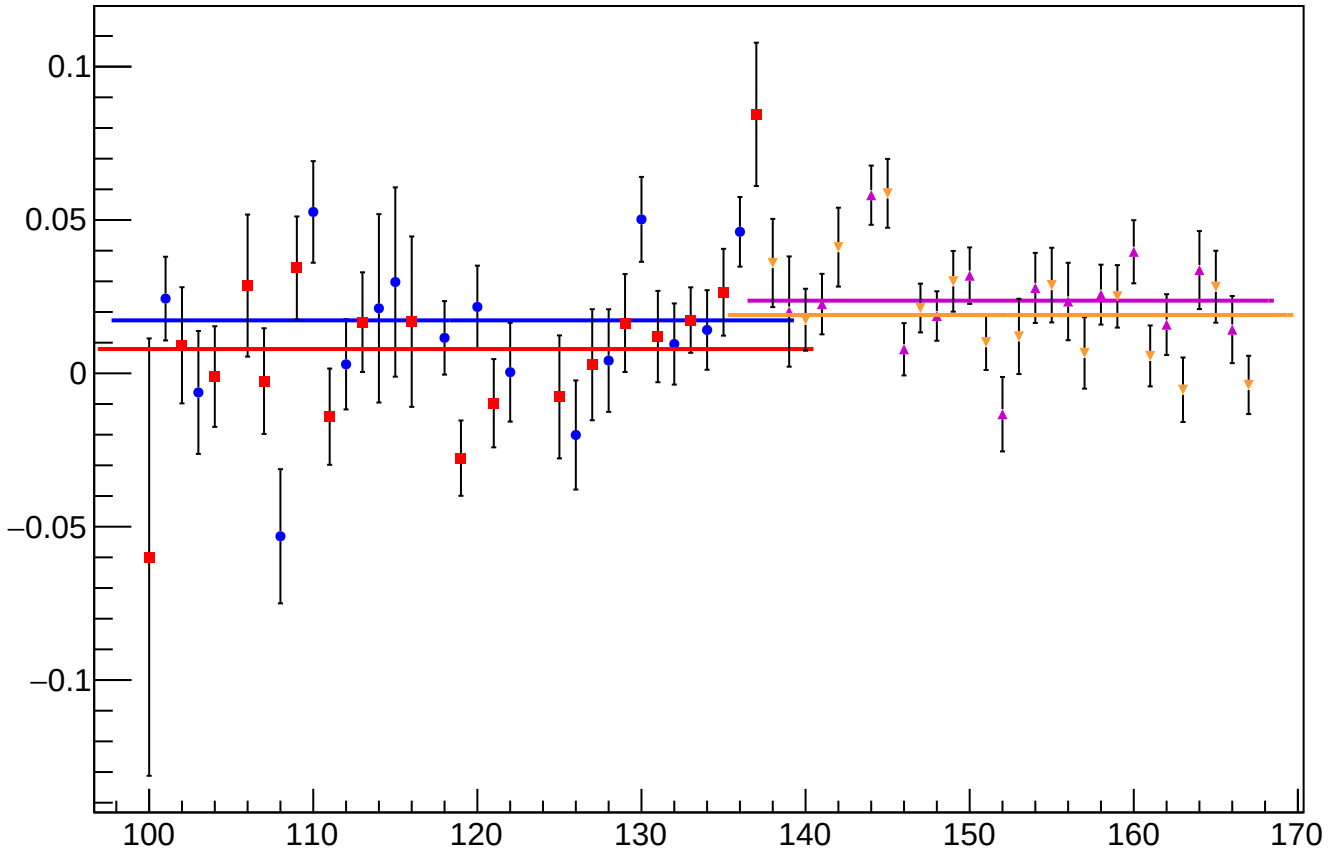
Left: -0.037+/-0.002 χ^2/NDF: 1064.1/28

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.004+/-0.002 χ^2/NDF:973.2/29

Out: -0.004+/-0.002 χ^2/NDF:1706.4/32

All: -0.004+/-0.002 χ^2/NDF: 2679.6/62



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.019+/-0.003 χ^2/NDF:35.1/14

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.024+/-0.003 χ^2/NDF:31.2/13

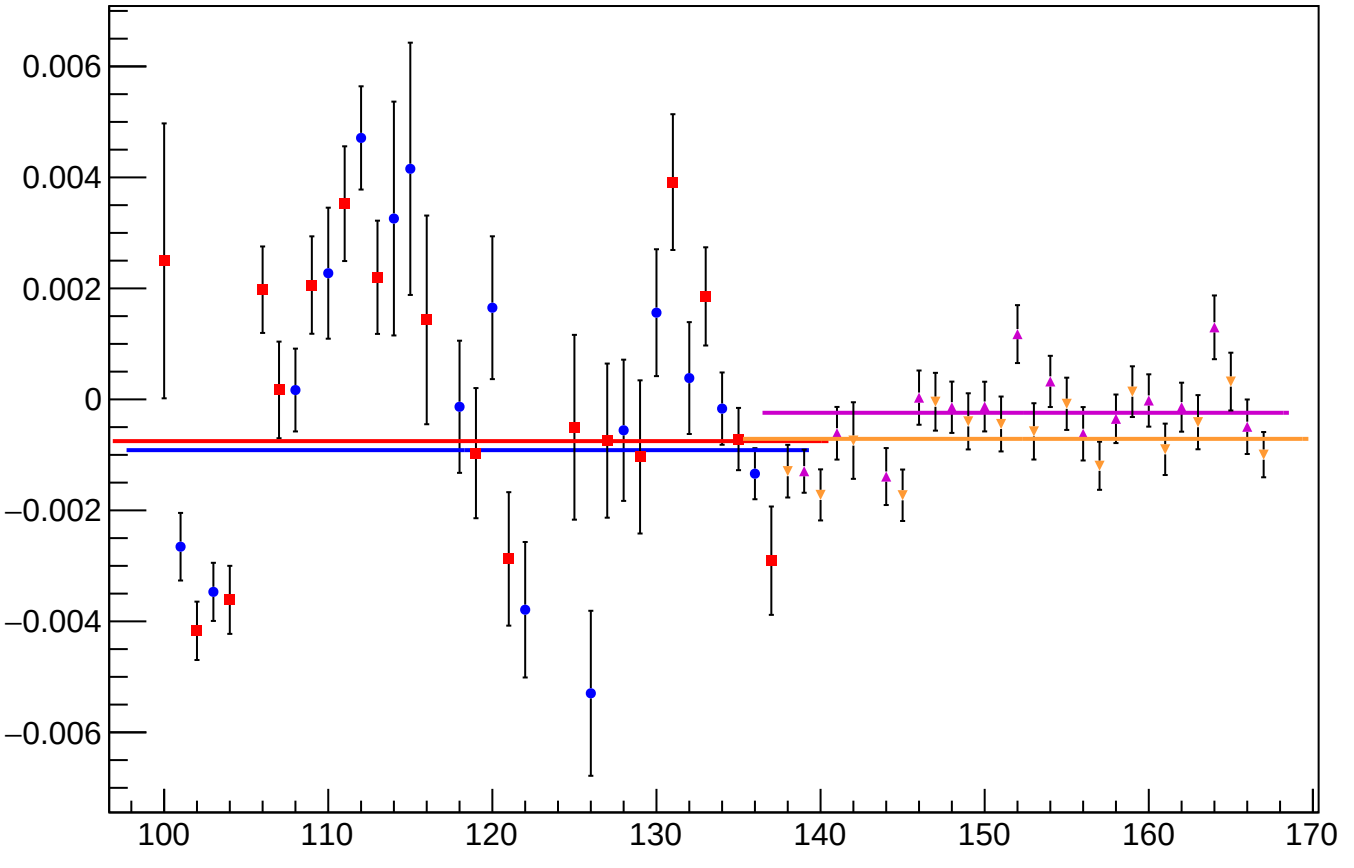
Left: 0.021+/-0.002 χ^2/NDF: 67.8/28

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.022+/-0.002 χ^2/NDF:69.7/29

Out: 0.015+/-0.002 χ^2/NDF:72.0/32

All: 0.018+/-0.002 χ^2/NDF: 145.4/62



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:25.0/14

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:30.7/13

Left: -0.000+/-0.000 χ^2/NDF: 62.7/28

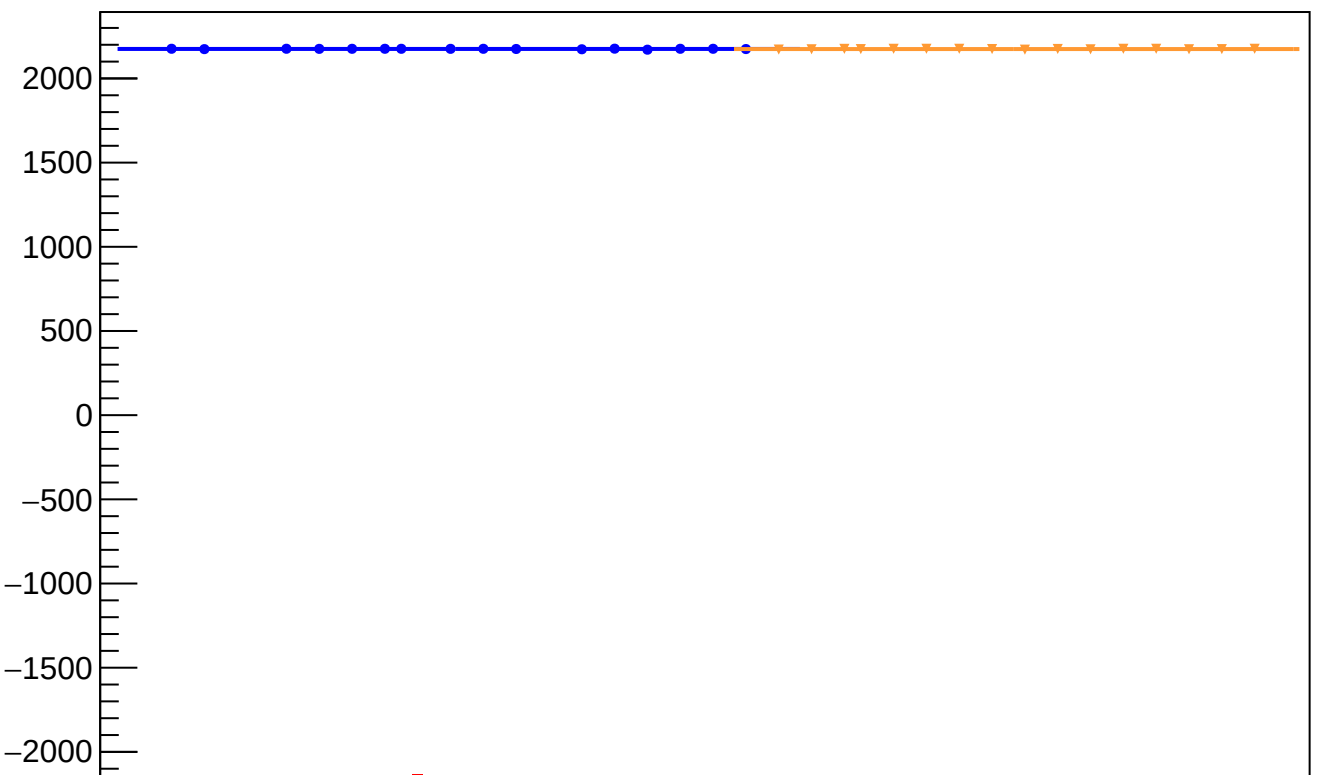
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:152.2/29

Out: -0.001+/-0.000 χ^2/NDF:172.6/32

All: -0.001+/-0.000 χ^2/NDF: 328.8/62

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.523+/-0.000 χ^2/NDF:372201116533141922704647512706252 8.0/15

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: -2174.598+/-0.000 χ^2/NDF:244925314252475262915959630436761 6.0/13

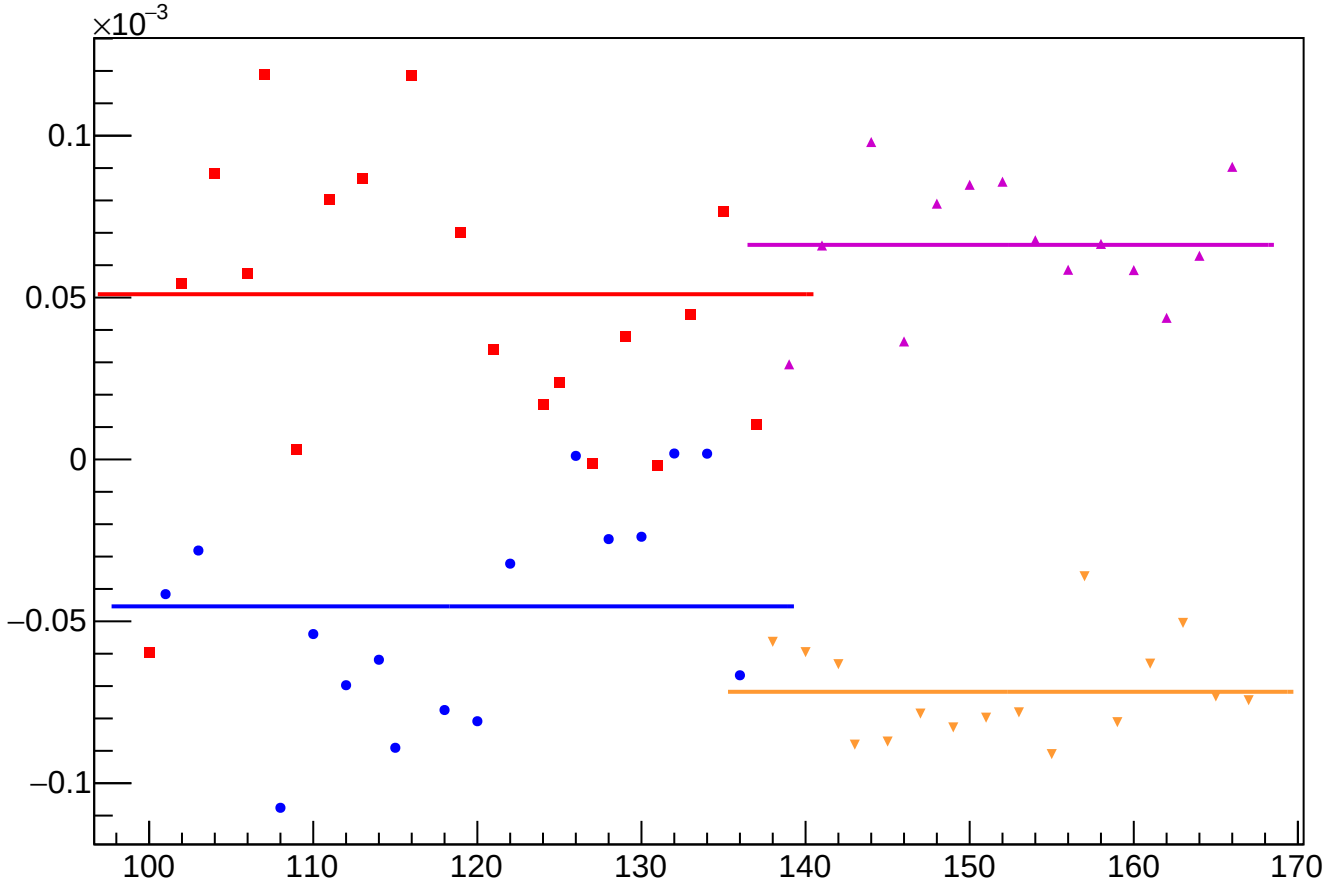
Left: 101.044+/-0.000 χ^2/NDF: 11876458650003 82

Right: -31.373+/-0.000 χ^2/NDF: 71117910490761 1

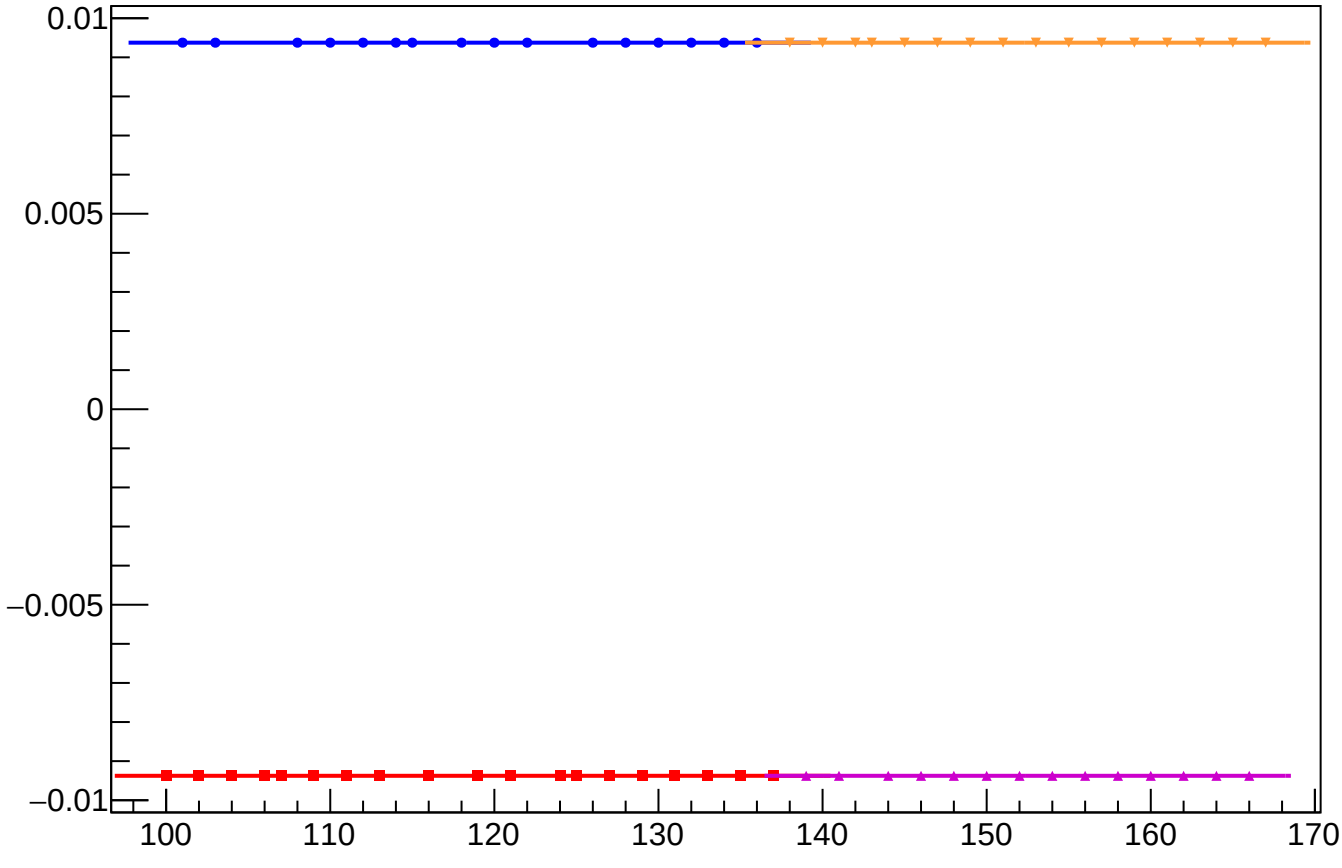
In: -514.010+/-0.000 χ^2/NDF:866787314479855 4

Out: 579.249+/-0.000 χ^2/NDF:91368302197792 6

All: 51.515+/-0.000 χ^2/NDF: 19004757407 11


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:2961487736479535270461440.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: 0.000+/-0.000 χ²/NDF:4613343740929099977195520.0/13
Left: -0.000+/-0.000 χ²/NDF: 12722382324193053
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:6885847077227649227
Out: -0.000+/-0.000 χ²/NDF:85930999643186739
All: -0.000+/-0.000 χ²/NDF: 1802642439535

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

Left: 0.000+/-0.000 χ^2/NDF: 220742699642430701

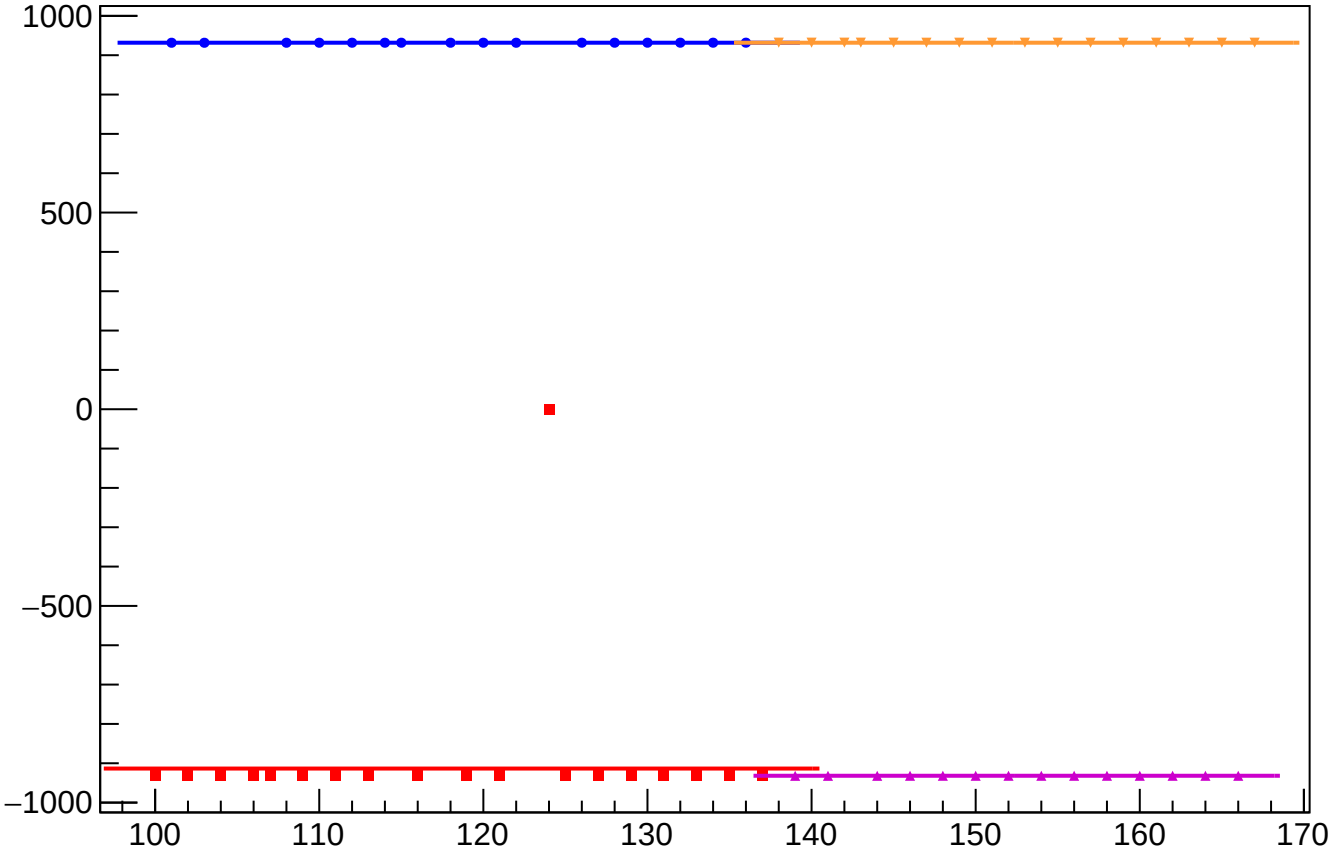
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 35321093555707

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:4152073808641527981143805132800.0/15

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.773+/-0.000 χ^2/NDF:364937569722832568856422960332 8.0/13

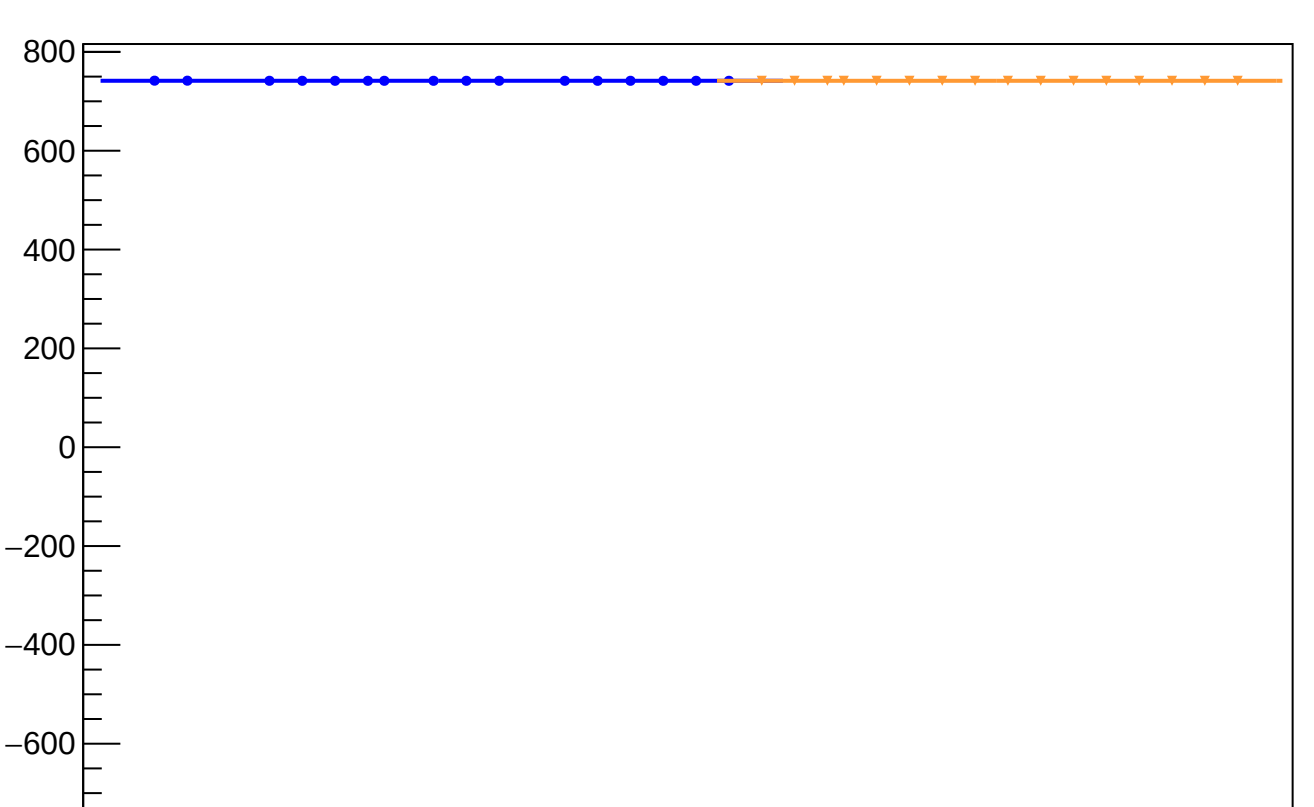
Left: 43.319+/-0.000 χ^2/NDF: 21805690050952200

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -220.344+/-0.000 χ^2/NDF:1590934915149617

Out: 254.904+/-0.000 χ^2/NDF:1657701980887045

All: 25.495+/-0.000 χ^2/NDF: 347541200420



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.515+/-0.000 χ^2/NDF:17029900982232569865116110028 8.0/15

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: -741.516+/-0.000 χ^2/NDF:14311688987519462908106060595 2.0/13

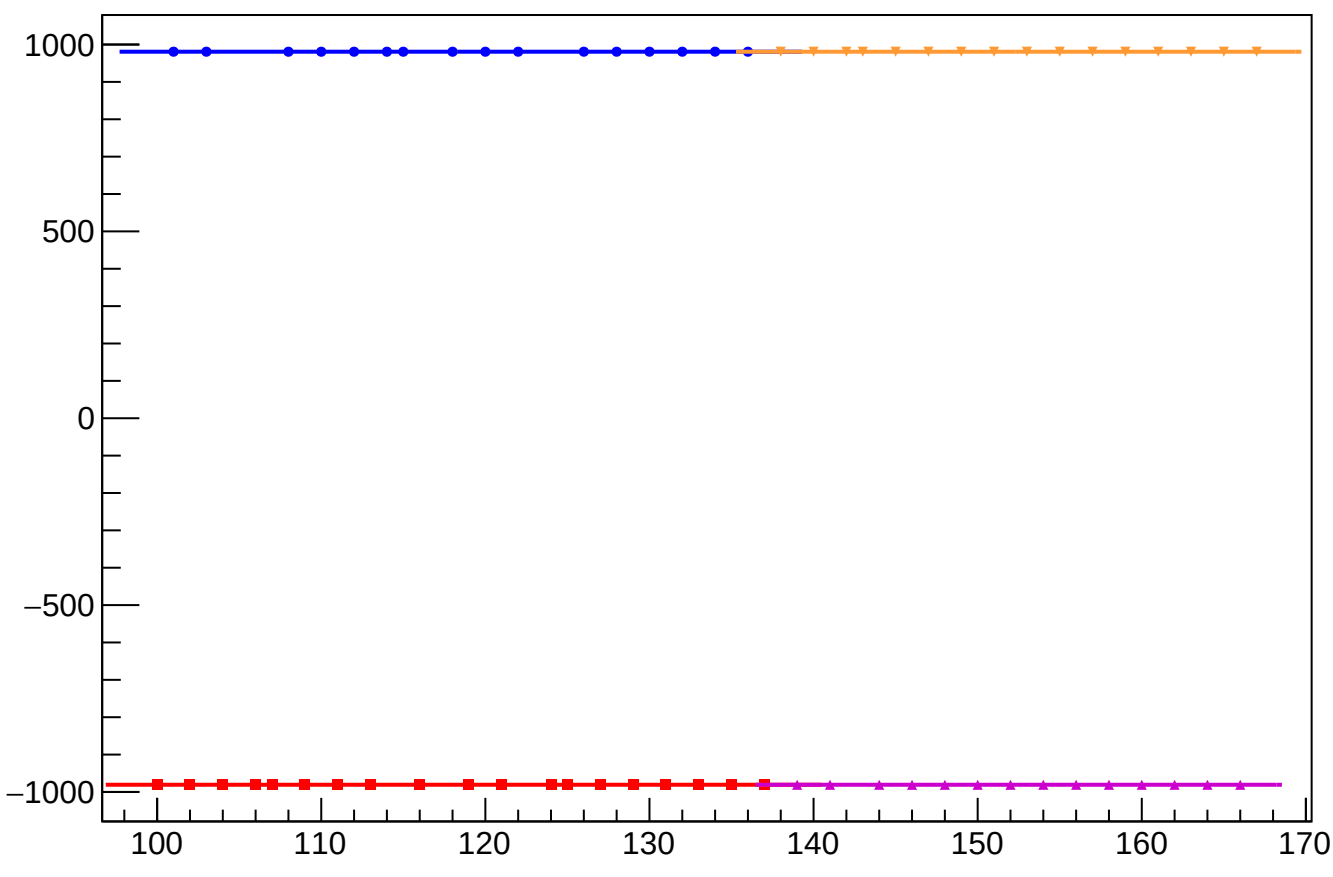
Left: 34.468+/-0.000 χ^2/NDF: 1380969710720949 2

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998 9

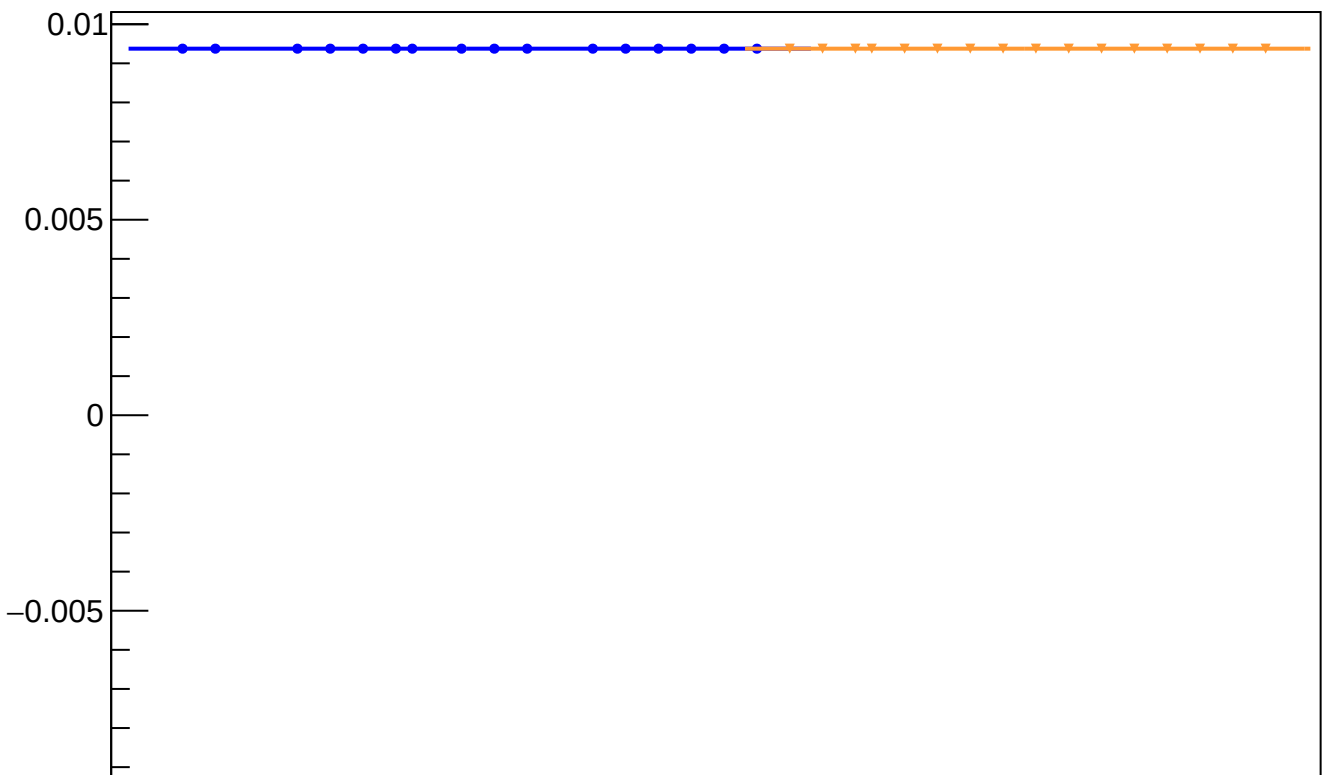
In: -175.330+/-0.000 χ^2/NDF:1007640837197506

Out: 197.477+/-0.000 χ^2/NDF:1062632451705486

All: 17.517+/-0.000 χ^2/NDF: 220982142958 2


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 980.804+/-0.000 χ²/NDF: 9333132768848077867742459330560/15
Left Out: 980.771+/-0.000 χ²/NDF:659705009563410284689970167808.0/15
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705920/18
Left In: -980.780+/-0.000 χ²/NDF:126472210328079534050960107110 4.0/13
Left: 45.585+/-0.000 χ²/NDF: 24159225111394353
Right: -14.307+/-0.000 χ²/NDF: 144638600880856
In: -231.922+/-0.000 χ²/NDF:1762738206187446
Out: 261.241+/-0.000 χ²/NDF:1858752528690713
All: 23.184+/-0.000 χ²/NDF: 3865685566692

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

Left: 0.000+/-0.000 χ^2/NDF: 220742699642430701

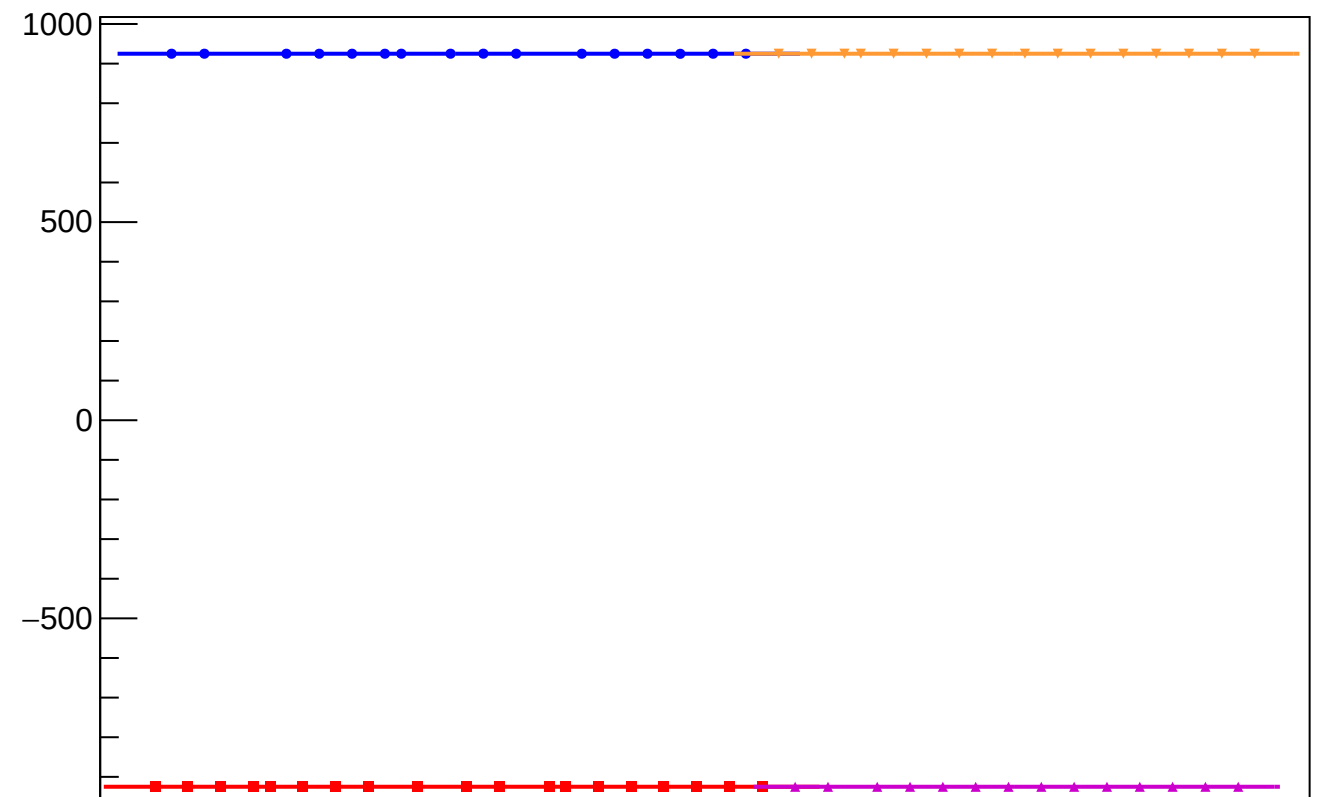
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 35321093555707

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.986+/-0.000 χ^2/NDF:8616575561949921722567858585 60.0/15

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183 2064.0/18

Left In: -924.989+/-0.000 χ^2/NDF:662107484946611518905218236416.0/13

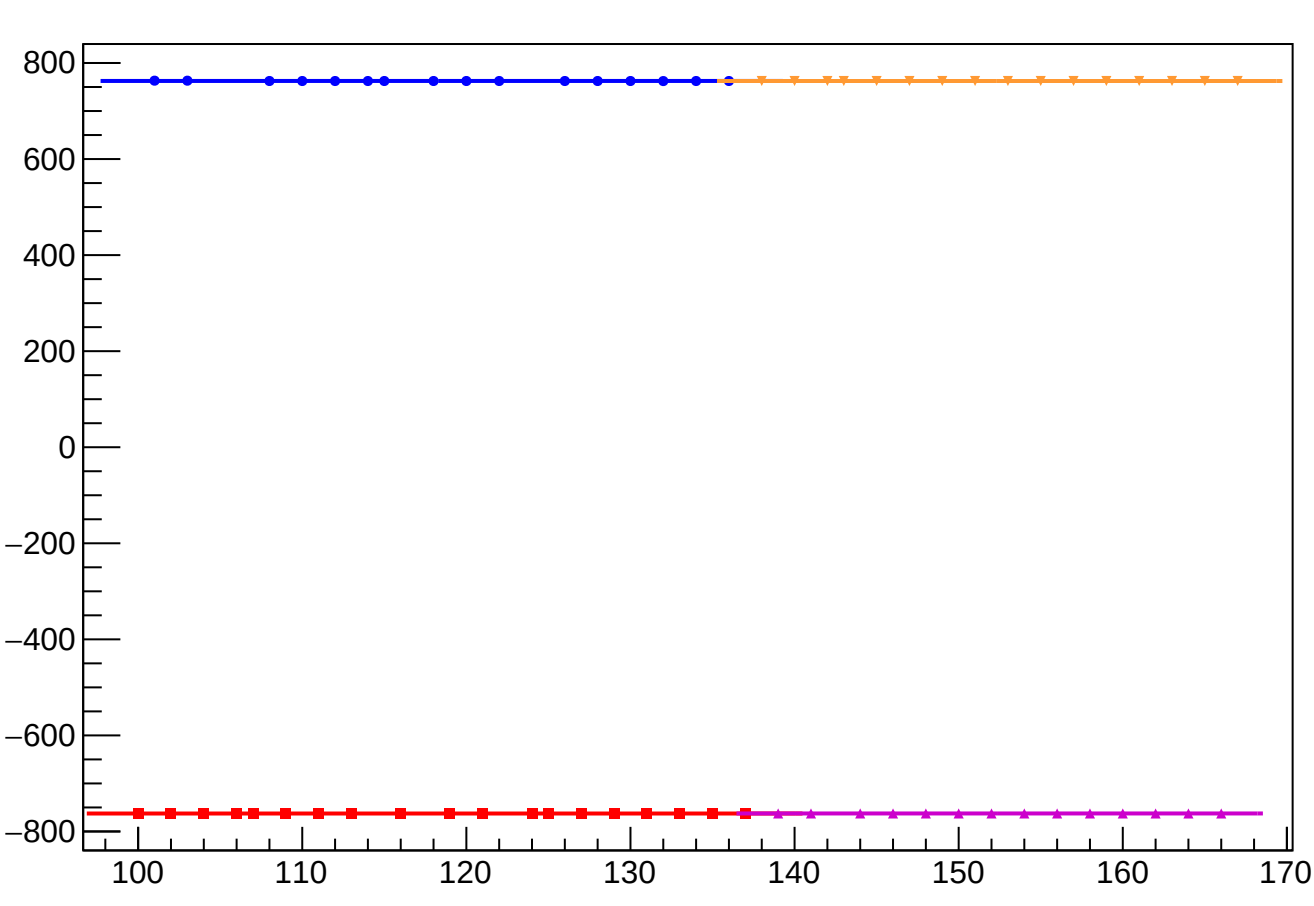
Left: 42.995+/-0.000 χ^2/NDF: 21488952458850766

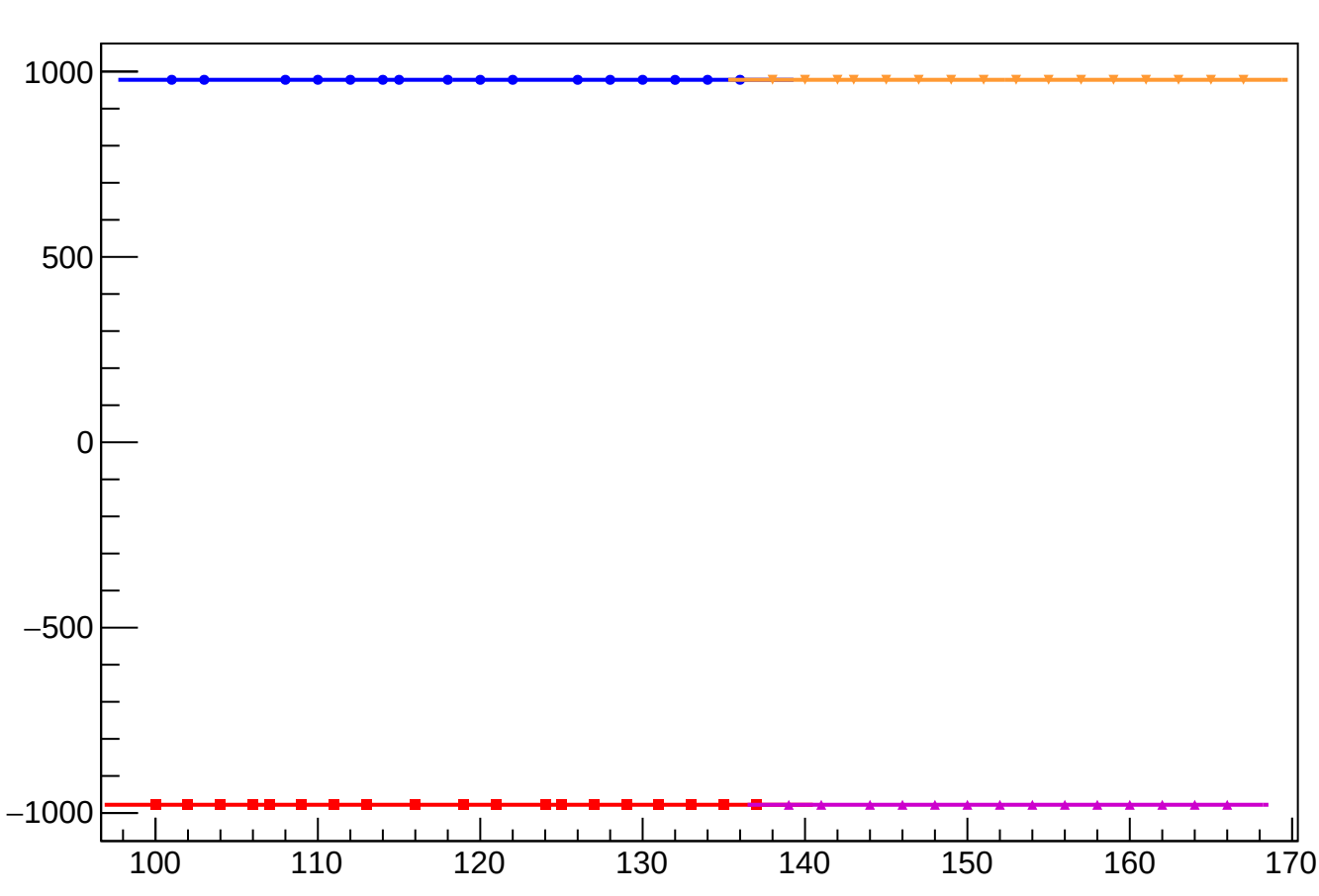
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -218.746+/-0.000 χ^2/NDF:156782010009958

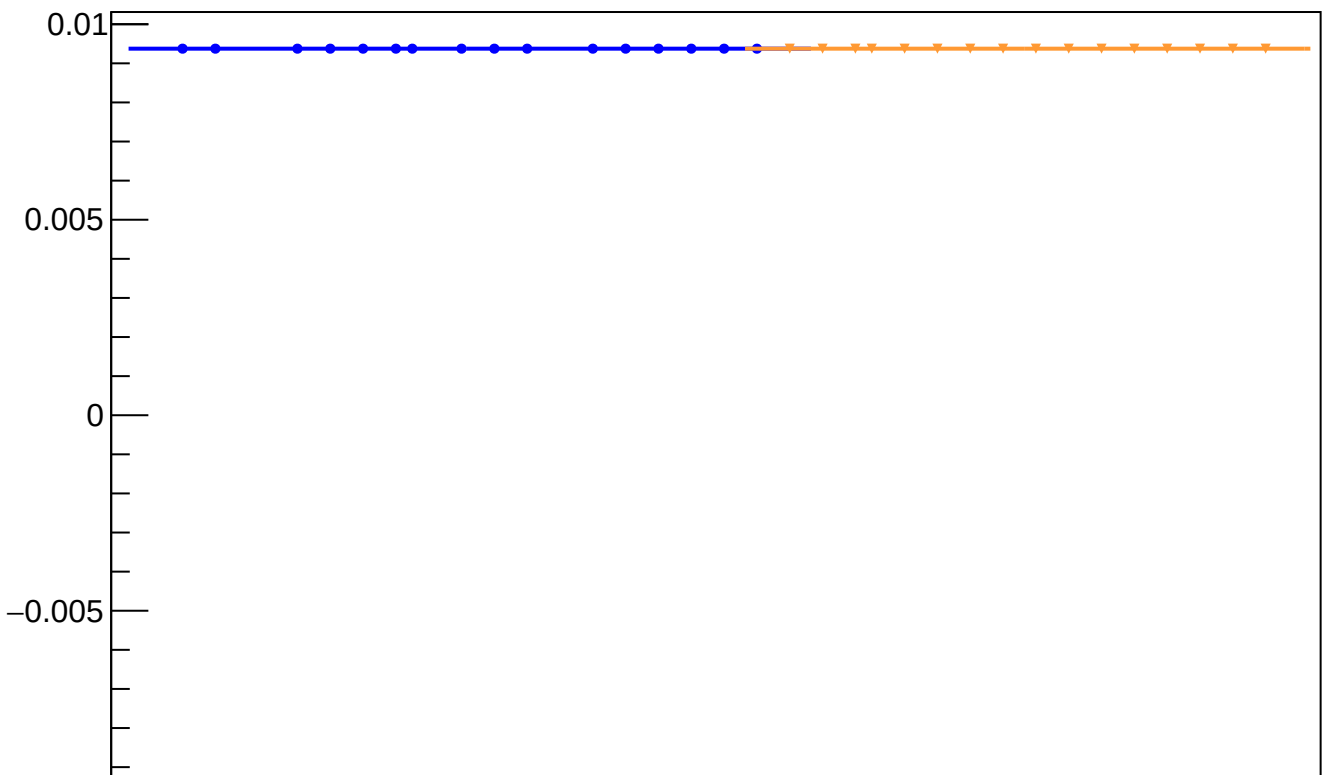
Out: 246.371+/-0.000 χ^2/NDF:165337556641511

All: 21.851+/-0.000 χ^2/NDF: 343840529048


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.508+/-0.000 χ²/NDF:396575401148271840222647418880.0/15
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.508+/-0.000 χ²/NDF:29316622778839631759362595225 6.0/13
Left: 35.445+/-0.000 χ²/NDF: 14602687856078295
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: -180.276+/-0.000 χ²/NDF:1065568055433008
Out: 203.051+/-0.000 χ²/NDF:112372152832844
All: 18.013+/-0.000 χ²/NDF: 233682378392


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440/15
Left Out: 977.742+/-0.000 χ²/NDF:10564508546091894234170827735040/15
Right Out: -977.747+/-0.000 χ²/NDF: 178222687781691472632796623672.0/18
Left In: -977.740+/-0.000 χ²/NDF:98774242083476485384190296064.0/13
Left: 45.450+/-0.000 χ²/NDF: 24009944670761989
Right: -14.301+/-0.000 χ²/NDF: 143750377983115
In: -231.208+/-0.000 χ²/NDF:1751800115881115
Out: 260.416+/-0.000 χ²/NDF:184738658320983
All: 23.101+/-0.000 χ²/NDF: 384185945721

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

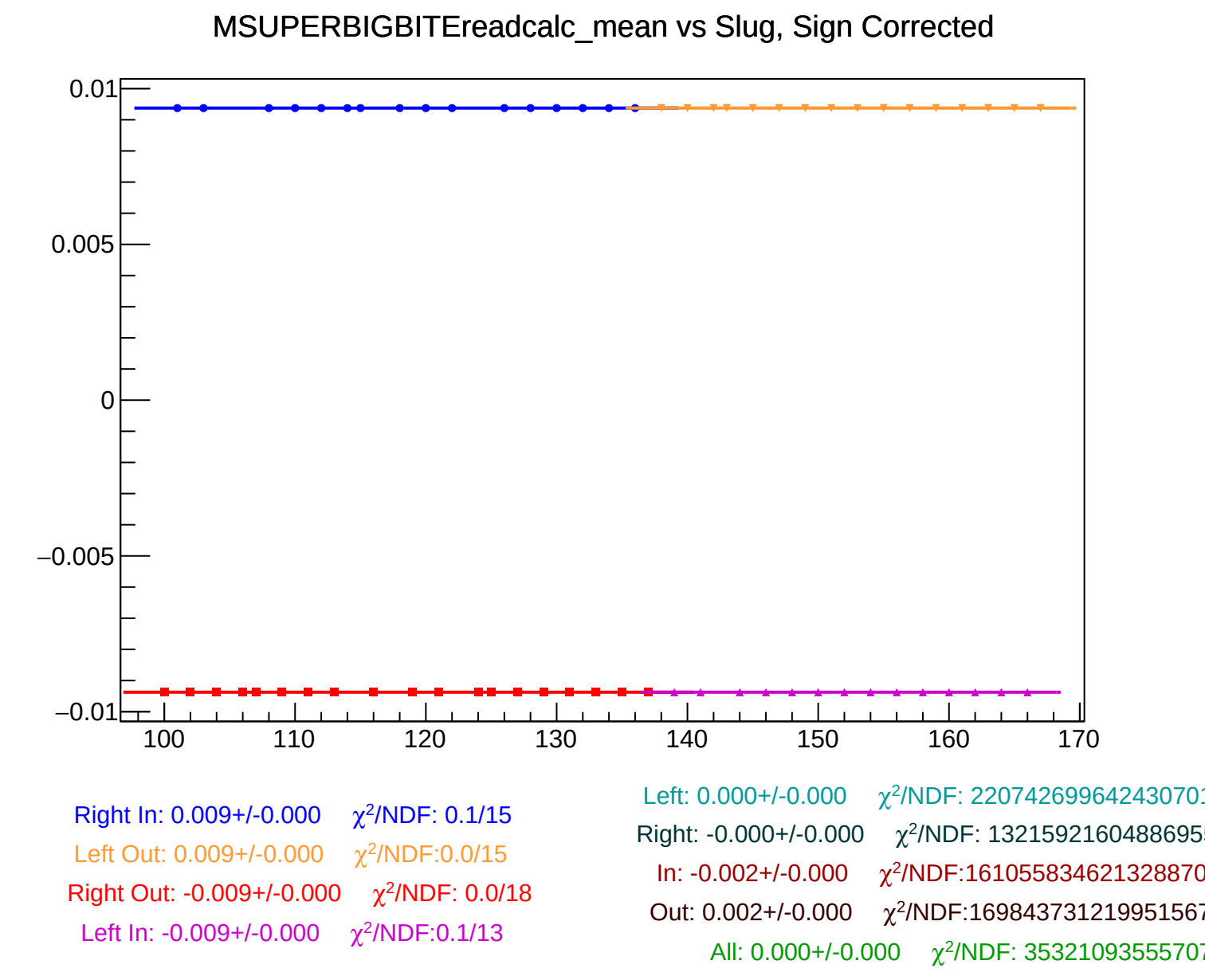
Left: 0.000+/-0.000 χ^2/NDF: 220742699642430701

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

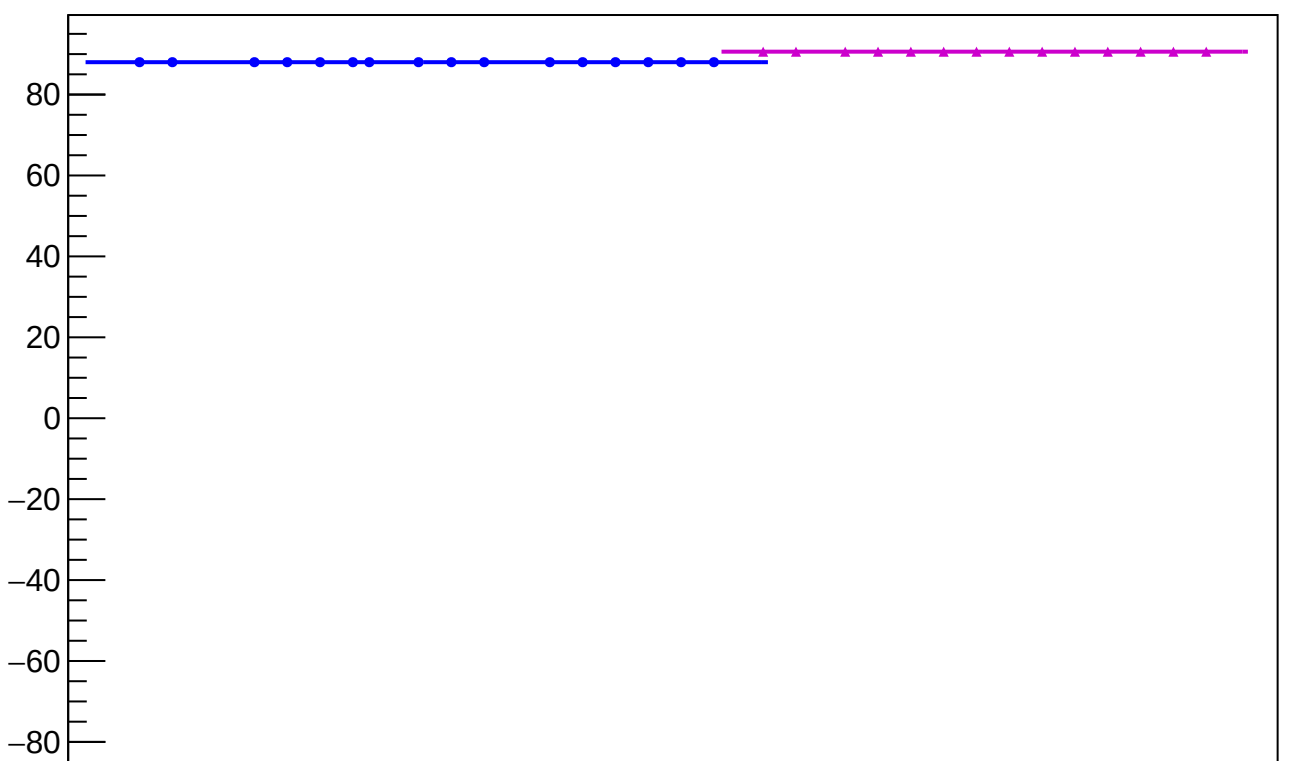
In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 35321093555707


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
170
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/15
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.1/13
Left: 0.000+/-0.000 χ²/NDF: 220742699642430701
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.002+/-0.000 χ²/NDF:161055834621328870
Out: 0.002+/-0.000 χ²/NDF:169843731219951567
All: 0.000+/-0.000 χ²/NDF: 35321093555707

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:4492342.0/15

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:4602201.9/13

Left: -4.211+/-0.000 χ^2/NDF: 20615480003089051

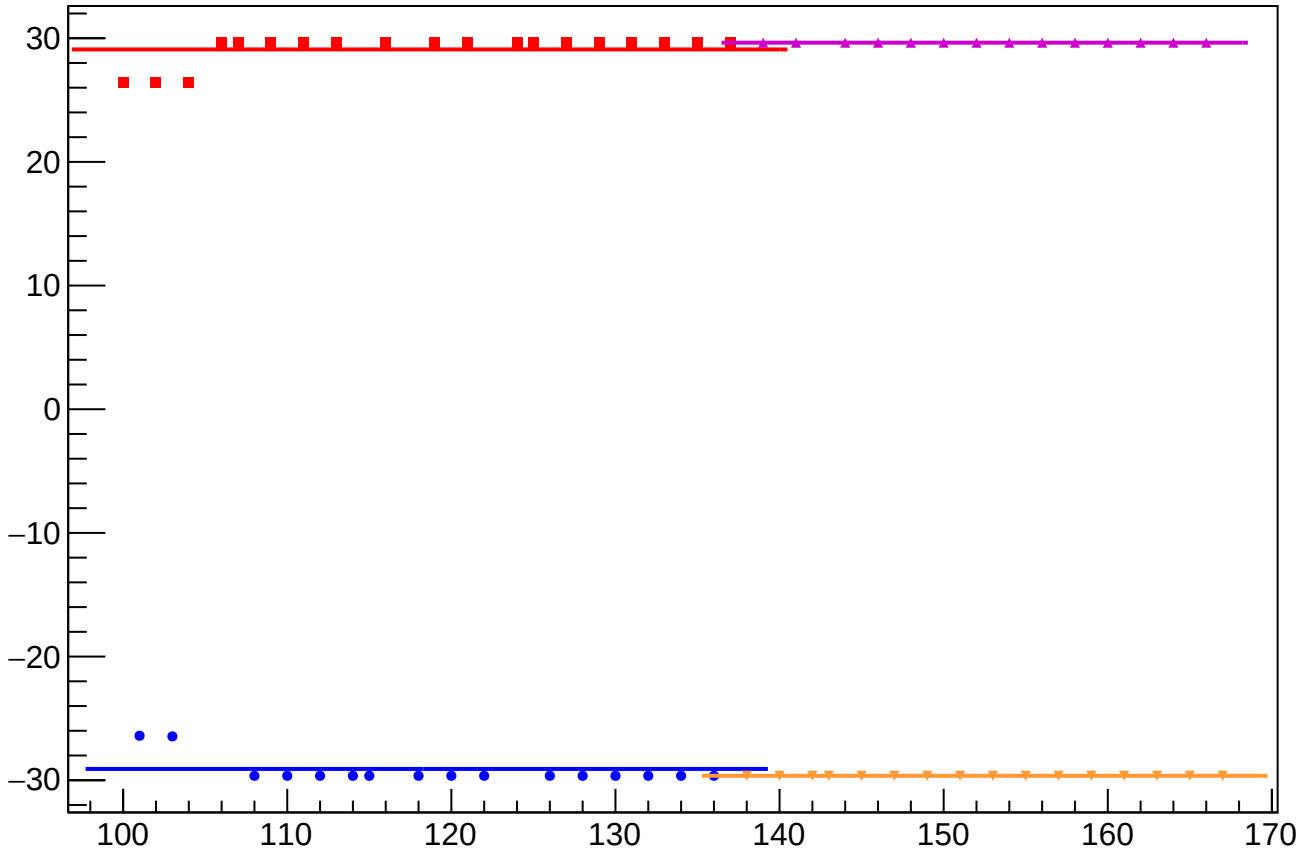
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.607+/-0.000 χ^2/NDF:309350411304832329

Out: -89.647+/-0.000 χ^2/NDF:3255587388773105

All: -3.118+/-0.000 χ^2/NDF: 3226855037281

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:191838.4/15

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:109014.3/13

Left: -1.378+/-0.000 χ^2/NDF: 22065857030891066

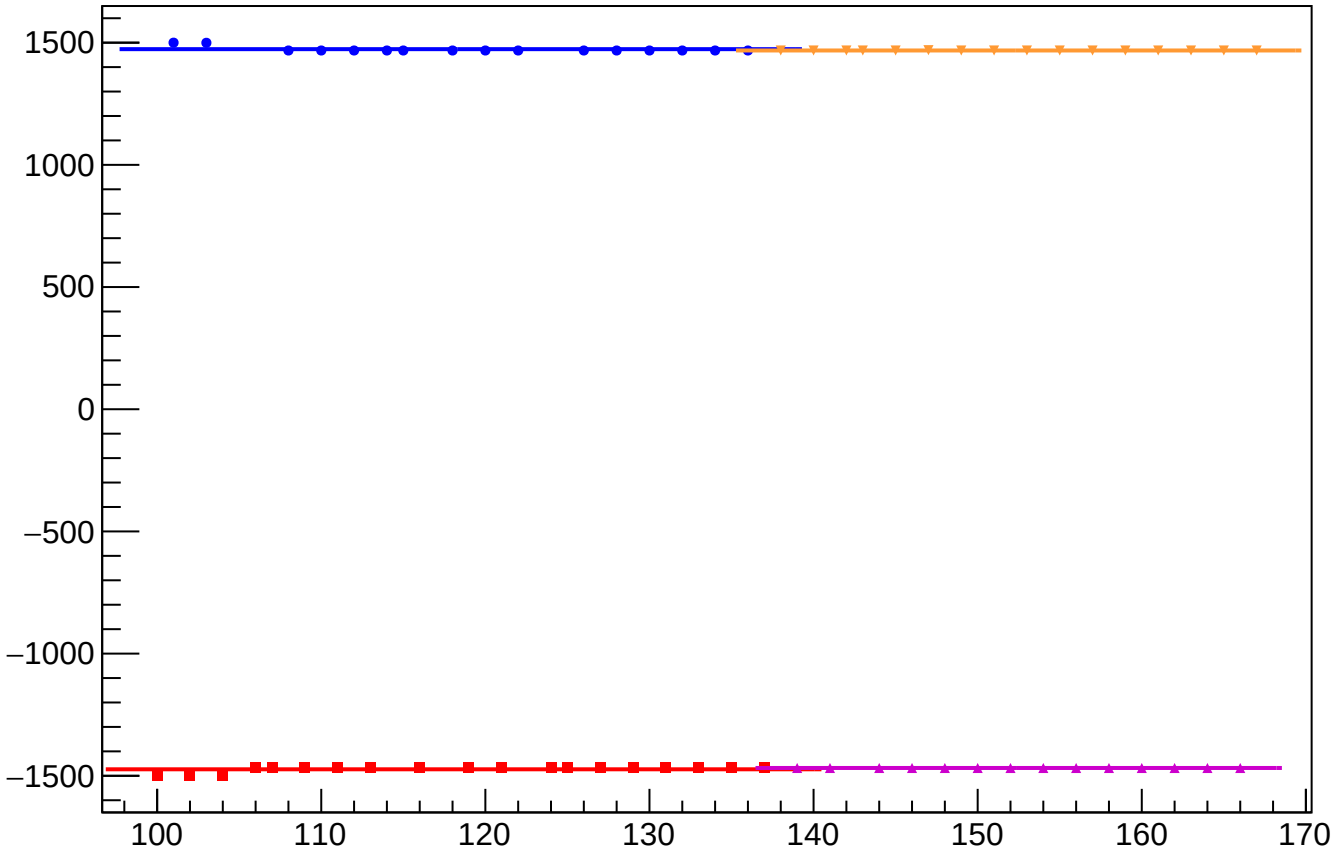
Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: 7.221+/-0.000 χ^2/NDF:158101866423527857

Out: -8.096+/-0.000 χ^2/NDF:16676836257366701

All: -0.702+/-0.000 χ^2/NDF: 3484260798865

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.078+/-0.000 χ^2/NDF:13673644781362404472618677908275 2.0/15

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.990+/-0.000 χ^2/NDF:11895466663732971779484601548 8.0/13

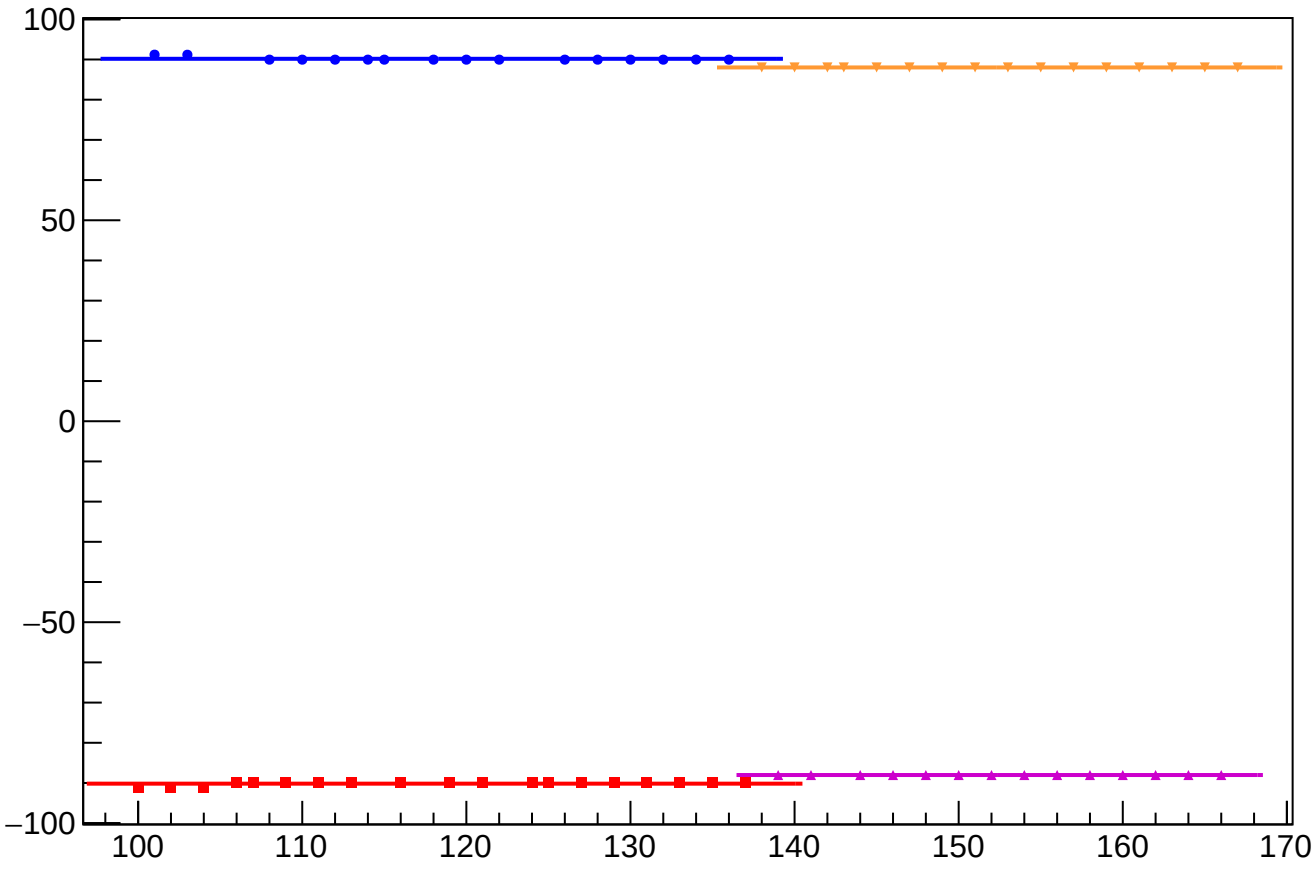
Left: 68.284+/-0.000 χ^2/NDF: 5412726144197688

Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

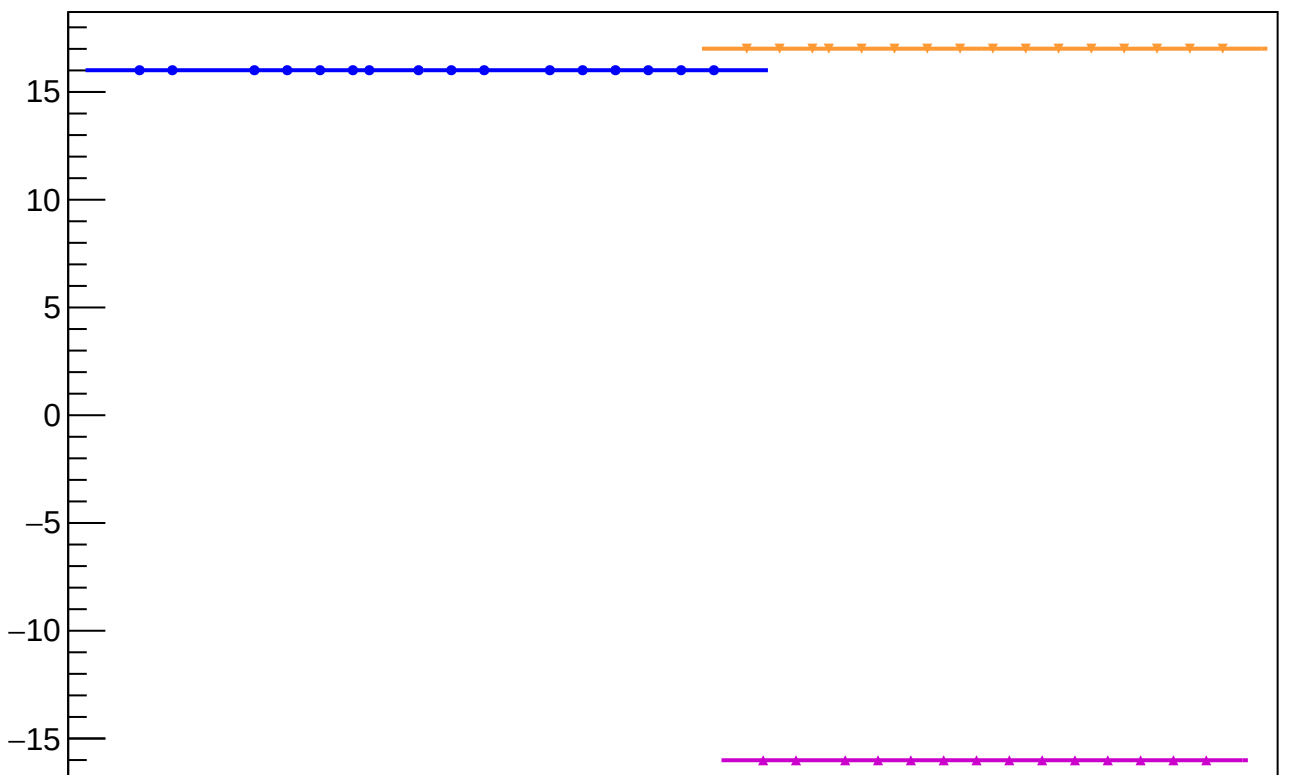
In: -345.054+/-0.000 χ^2/NDF:3963791832111238

Out: 389.067+/-0.000 χ^2/NDF:4180108409468953

All: 34.696+/-0.000 χ^2/NDF: 8685015321893


Phi_FG_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 90.173+/-0.000 χ²/NDF: 160010492173064584437589858058240.0/15
Left Out: 88.021+/-0.000 χ²/NDF:3850550.0/15
Right Out: -90.169+/-0.000 χ²/NDF: 164815404456112641329707295440896.0/18
Left In: -88.021+/-0.000 χ²/NDF:4323513.1/13
Left: 4.092+/-0.000 χ²/NDF: 194586839251331696
Right: -1.317+/-0.000 χ²/NDF: 1222640469973926
In: -19.993+/-0.000 χ²/NDF:14546624163891056
Out: 22.656+/-0.000 χ²/NDF:1533968971407977
All: 2.069+/-0.000 χ²/NDF: 31712629084081

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:19079472166697328214802432.0/15

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:160258.7/13

Left: 1.119+/-0.000 χ^2/NDF: 631716010269889734

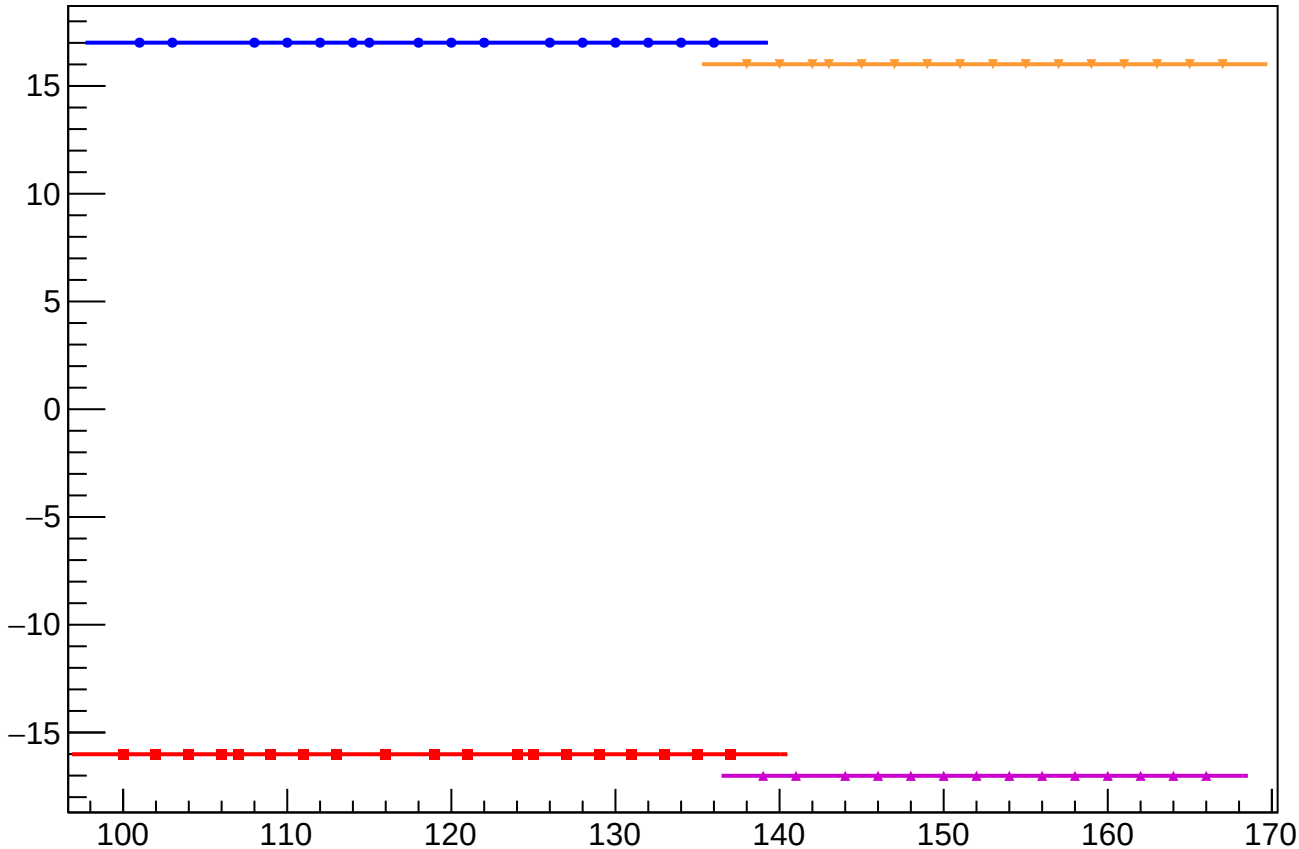
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -3.652+/-0.000 χ^2/NDF:441943074476146647

Out: 4.582+/-0.000 χ^2/NDF:509006131434024009

All: 0.551+/-0.000 χ^2/NDF: 10139110325701

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:113015.4/15

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:35845.8/13

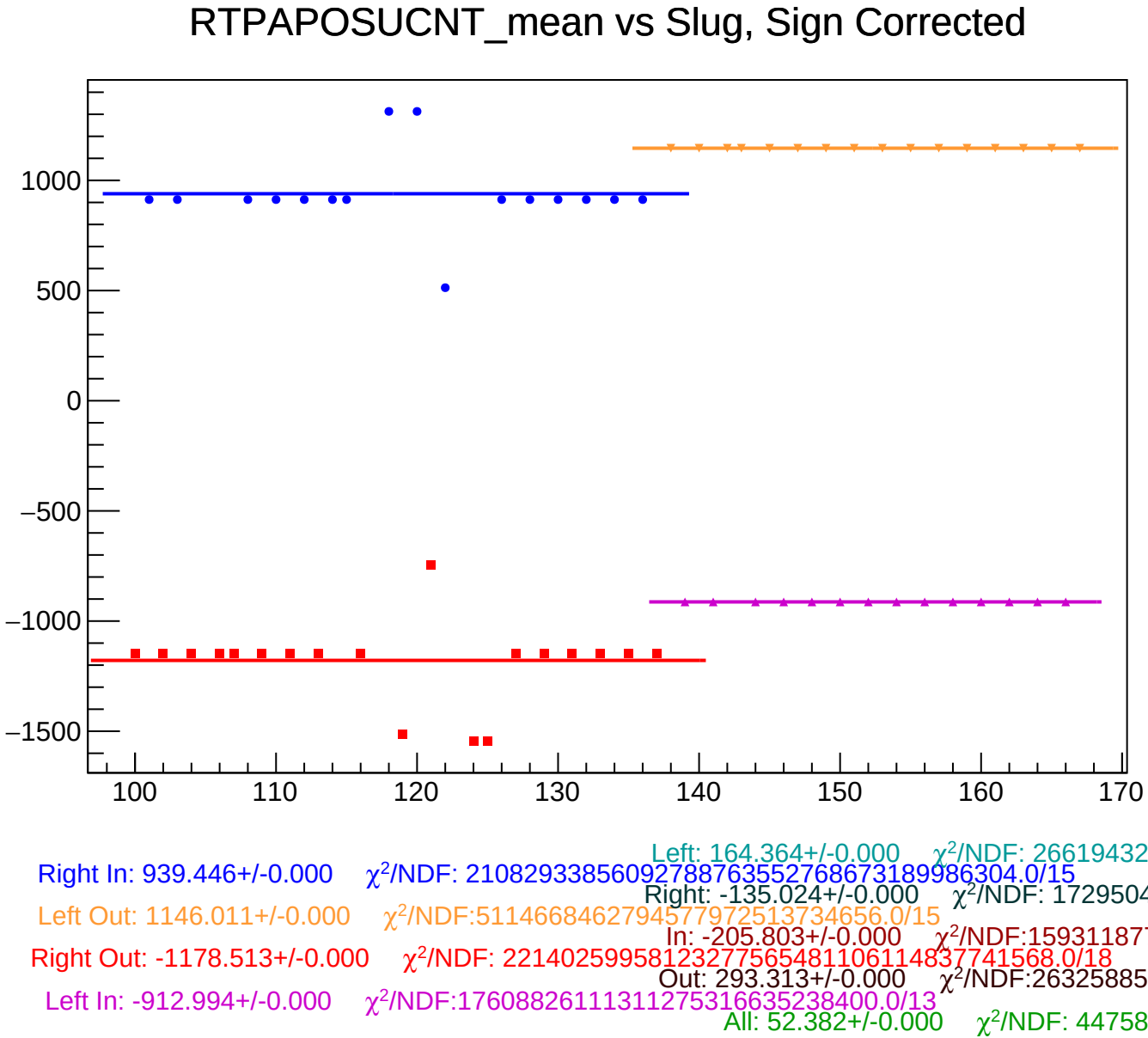
Left: 0.356+/-0.000 χ^2/NDF: 676031635909039262

Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

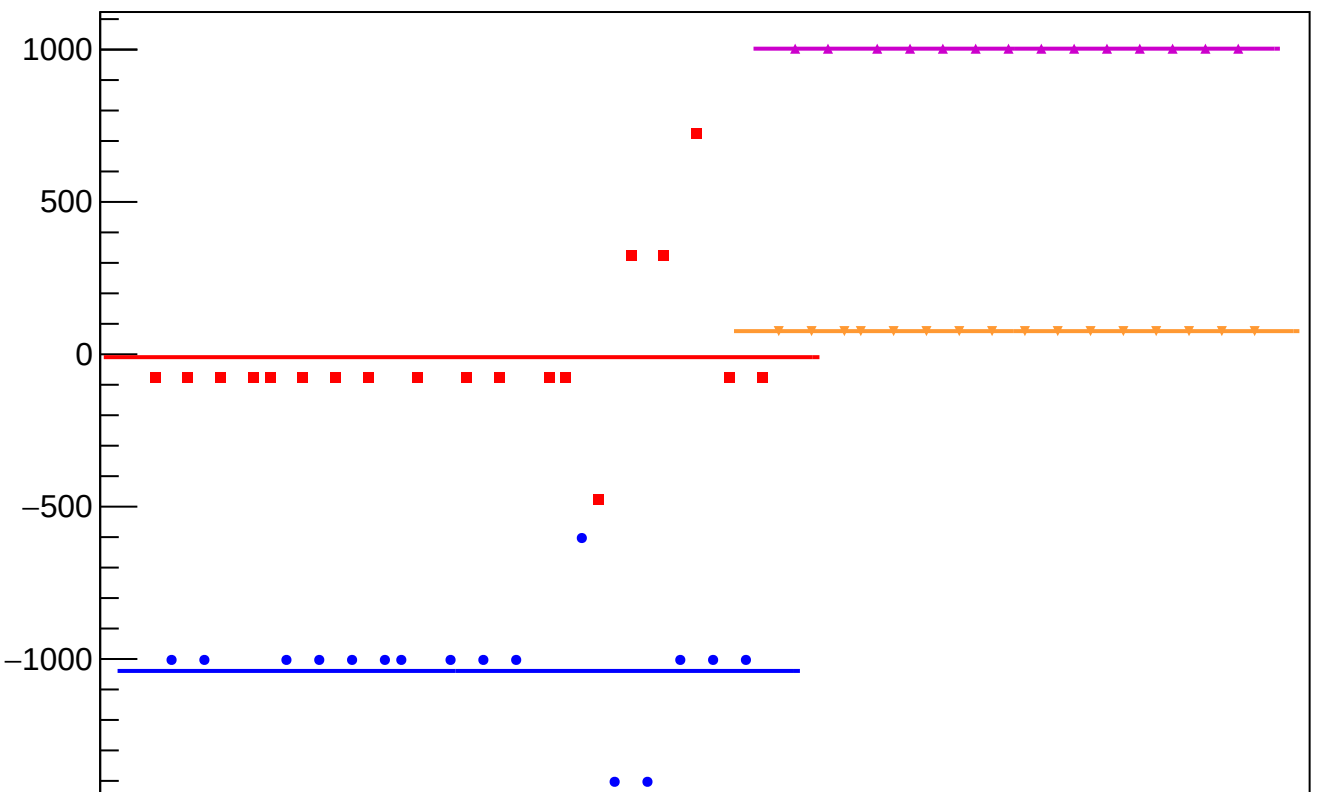
In: -4.257+/-0.000 χ^2/NDF:51147950218503472

Out: 4.252+/-0.000 χ^2/NDF:492399711379490795

All: 0.192+/-0.000 χ^2/NDF: 1075281215352


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
Left: 164.364+/-0.000 χ²/NDF: 2661943296098981
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
Left Out: 1146.011+/-0.000 χ²/NDF:5114668462794577972513734656.0/15
In: -205.803+/-0.000 χ²/NDF:1593118775012568
Right Out: -1178.513+/-0.000 χ²/NDF: 22140259958123277565481106114837741568.0/18
Out: 293.313+/-0.000 χ²/NDF:2632588566214586
Left In: -912.994+/-0.000 χ²/NDF:176088261113112753166352384000.0/13
All: 52.382+/-0.000 χ²/NDF: 447583281033

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

Left Out: 76.011+/-0.000 χ^2/NDF:95047251446883004346930298880.0/15

Right Out: -9.430+/-0.000 χ^2/NDF: 46057394734928766474893736526051540992.0/18

Left In: 1002.990+/-0.000 χ^2/NDF:209819730092567142664136294 4.0/13

Left: 517.956+/-0.000 χ^2/NDF: 5395391794544126

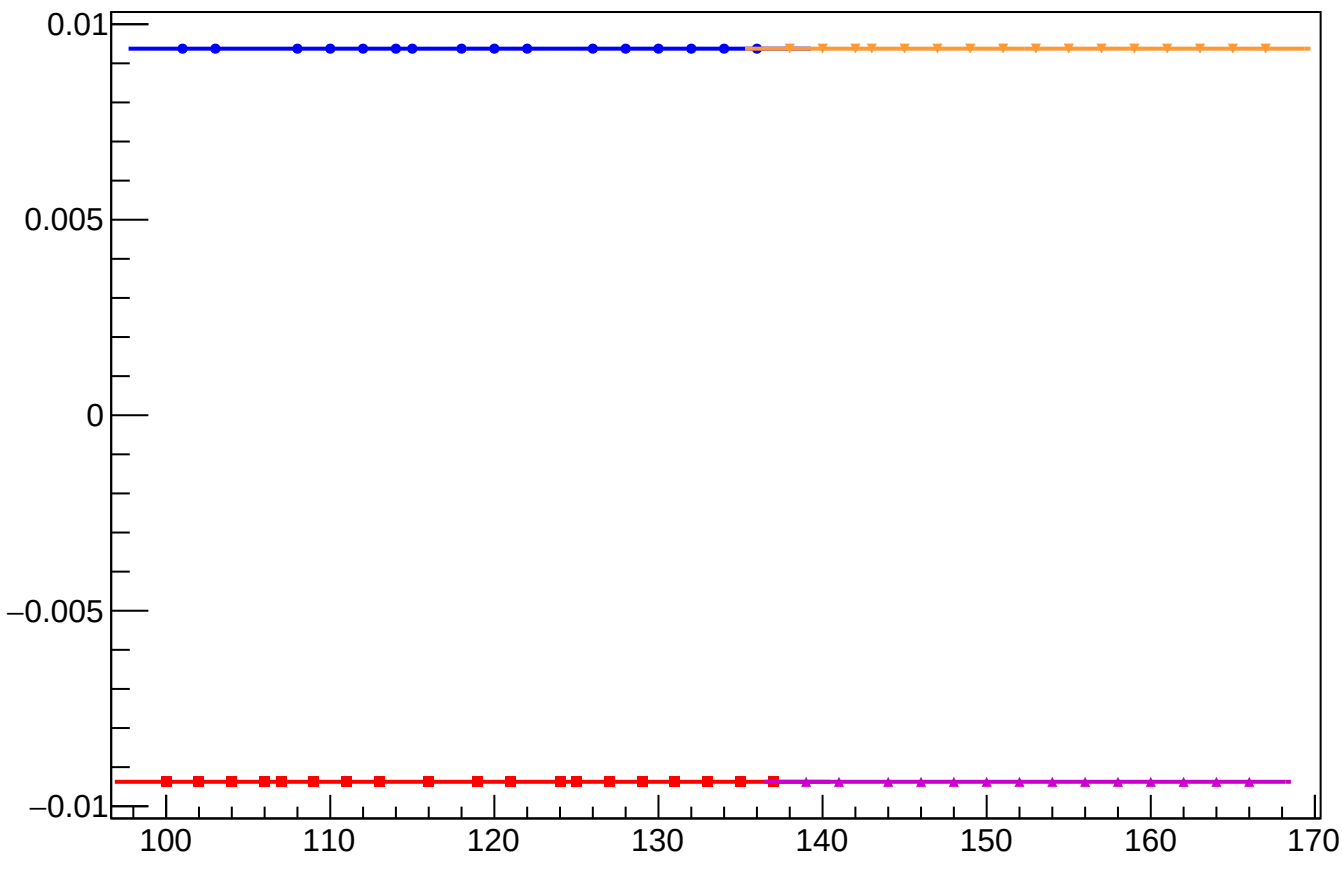
Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

In: 223.376+/-0.000 χ^2/NDF:19333728961970309

Out: 44.669+/-0.000 χ^2/NDF:49584195839825883

All: 130.934+/-0.000 χ^2/NDF: 201502246059

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

Left: 0.000+/-0.000 χ^2/NDF: 220742699642430701

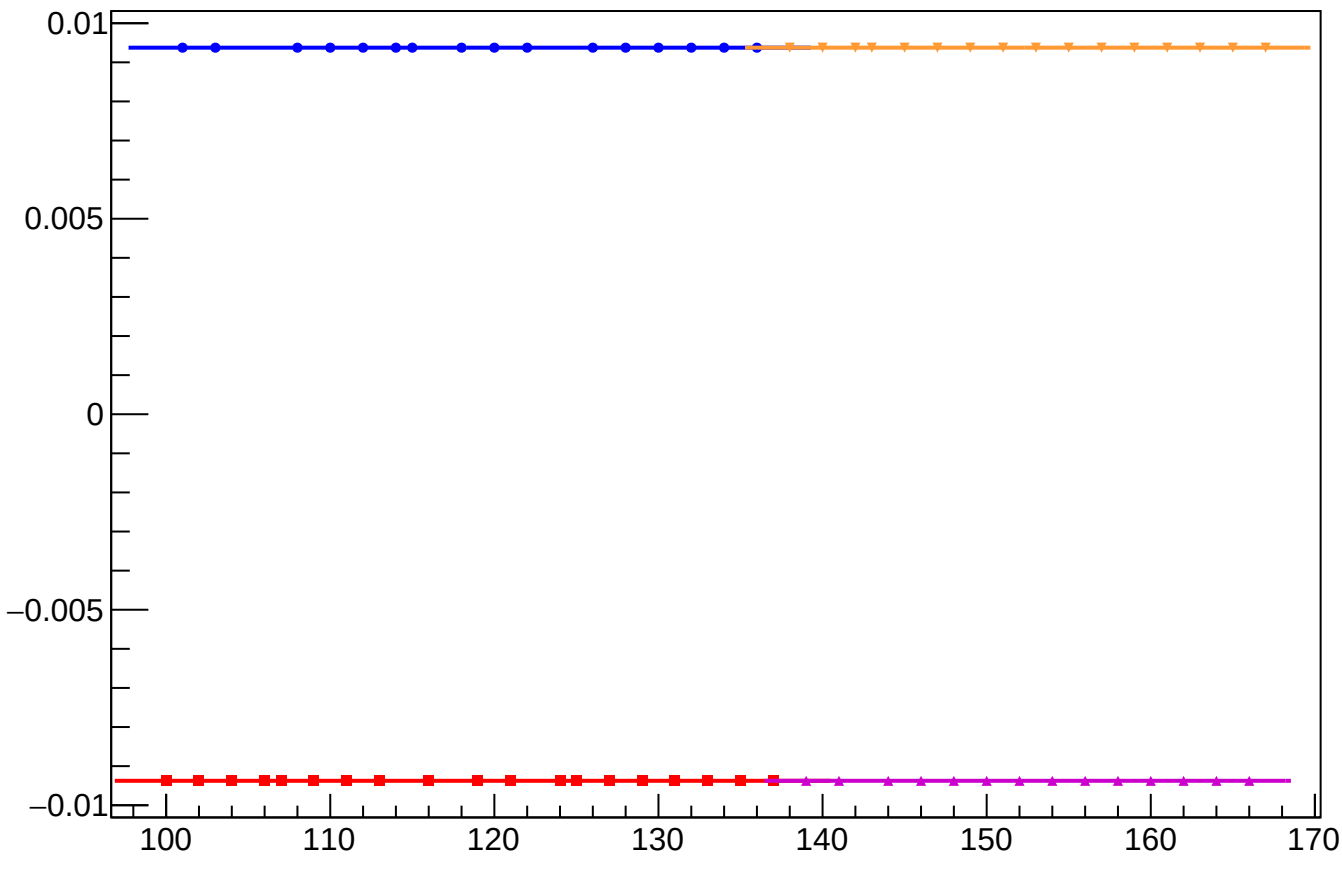
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 35321093555707

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

Left: 0.000+/-0.000 χ^2/NDF: 220742699642430701

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 35321093555707